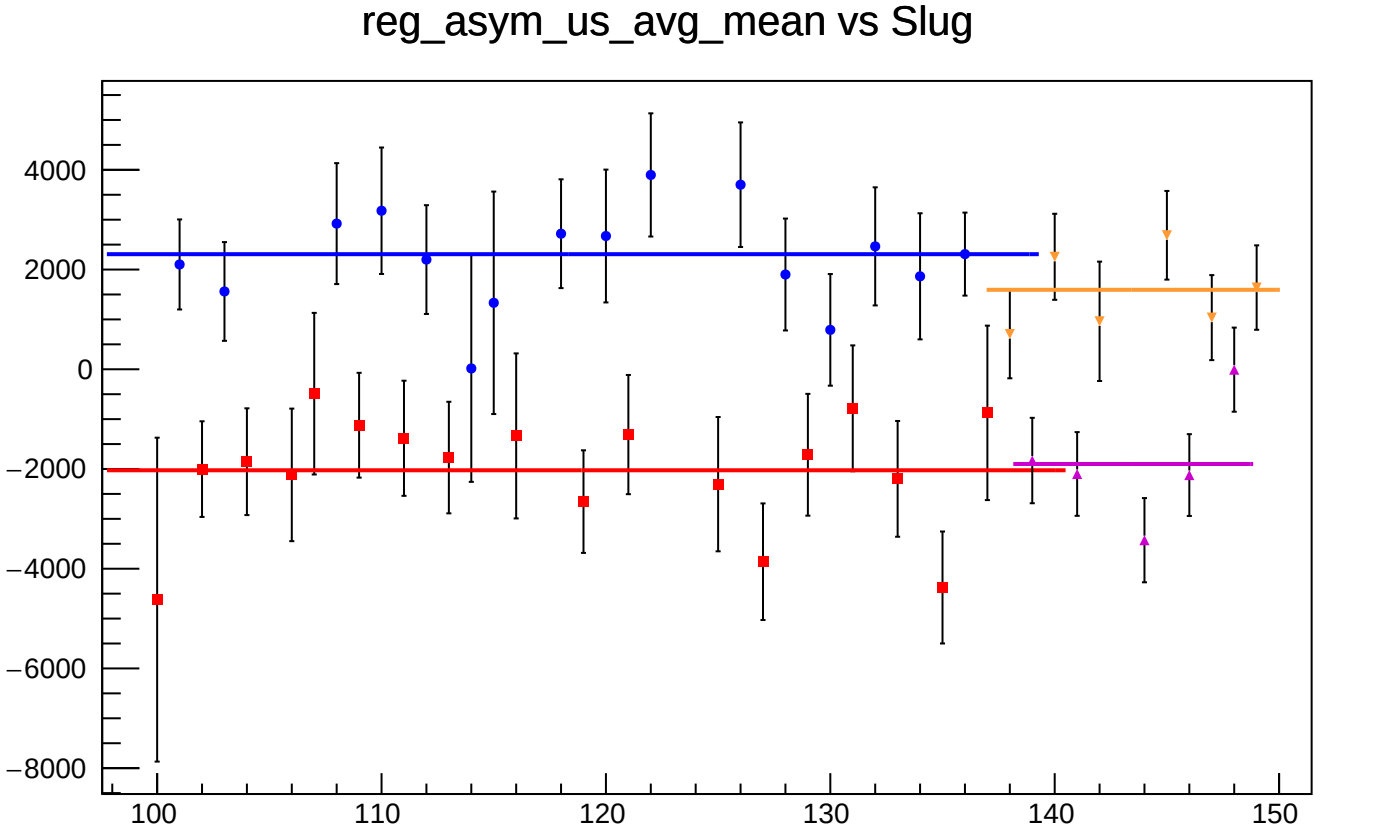


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1593.843+/-368.931 χ^2/NDF:3.8/5

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

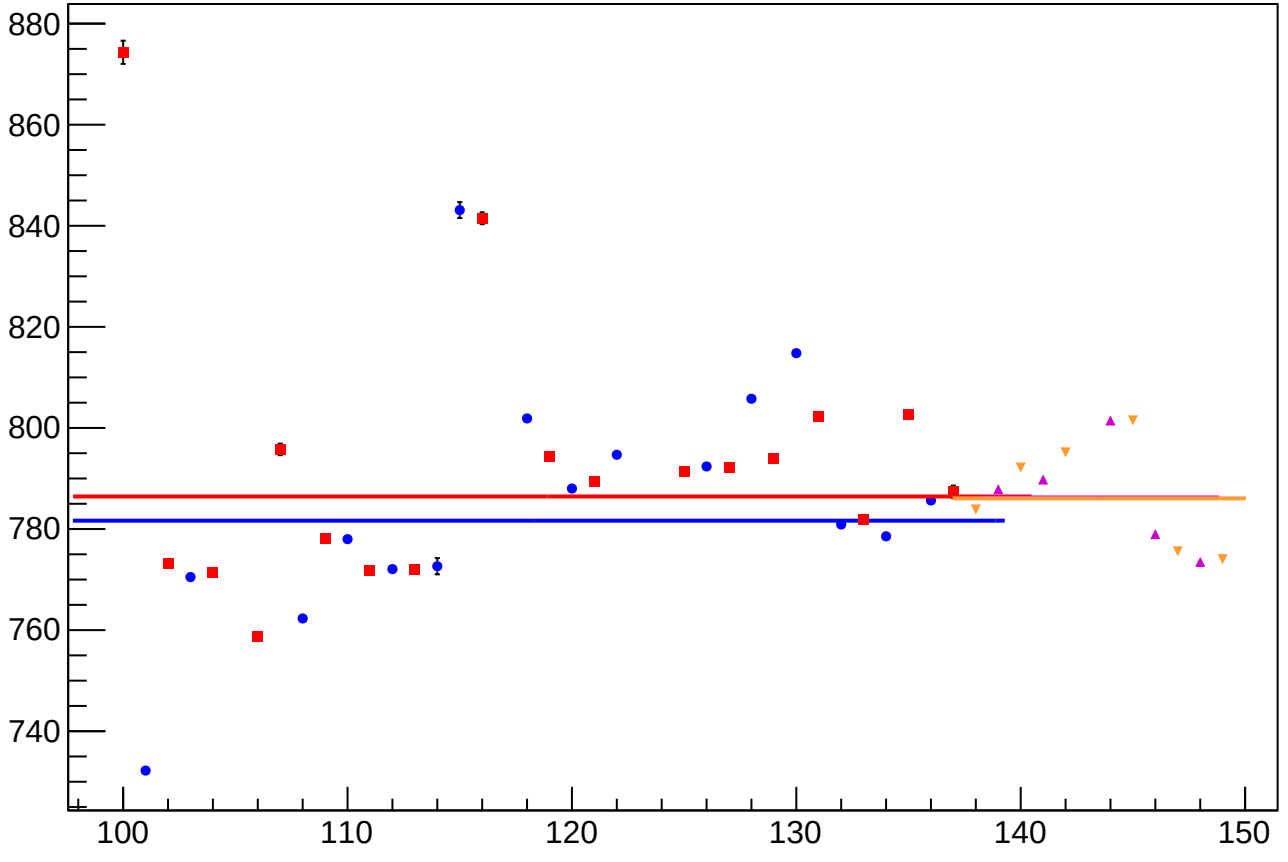
Left In: -1899.953+/-375.934 χ^2/NDF:8.4/4

+ sign 2034.852+/-228.204 χ^2/NDF: 13.9/21

All: 39.556+/-161.827 χ^2/NDF: 188.2/44

- 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: 786.068+/-0.261 χ^2/NDF:1536.1/5

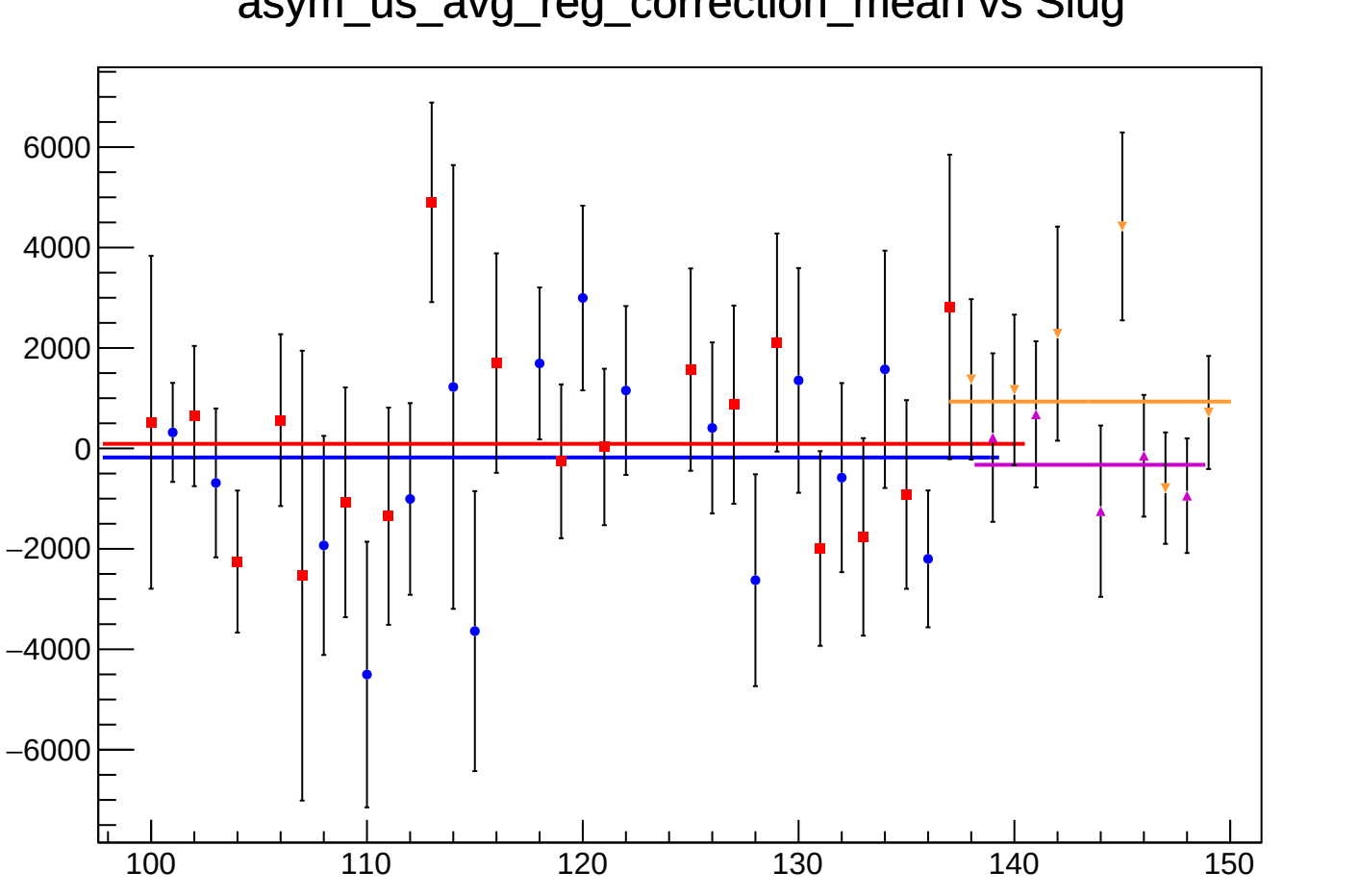
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

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

+ sign 783.343+/-0.161 χ^2/NDF: 14031.9/21

All: 784.847+/-0.114 χ^2/NDF: 22715.0/44

- 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: 933.038+/-582.679 χ^2/NDF:6.4/5

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

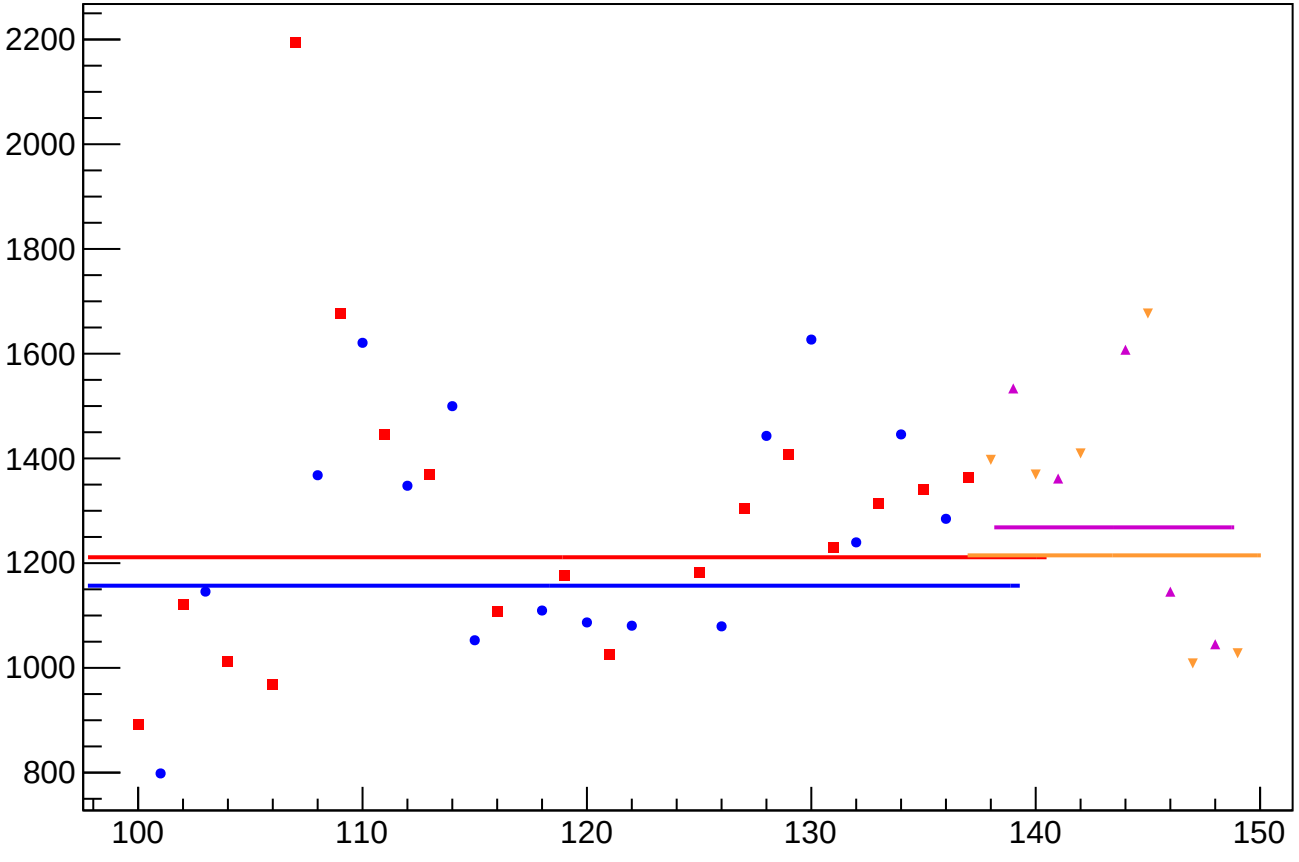
Left In: -326.067+/-617.702 χ^2/NDF:1.2/4

+ sign 225.146+/-351.525 χ^2/NDF: 24.1/21

All: 90.608+/-253.609 χ^2/NDF: 41.1/44

- 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: 1214.879+/-0.412 χ^2/NDF:310283.4/5

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

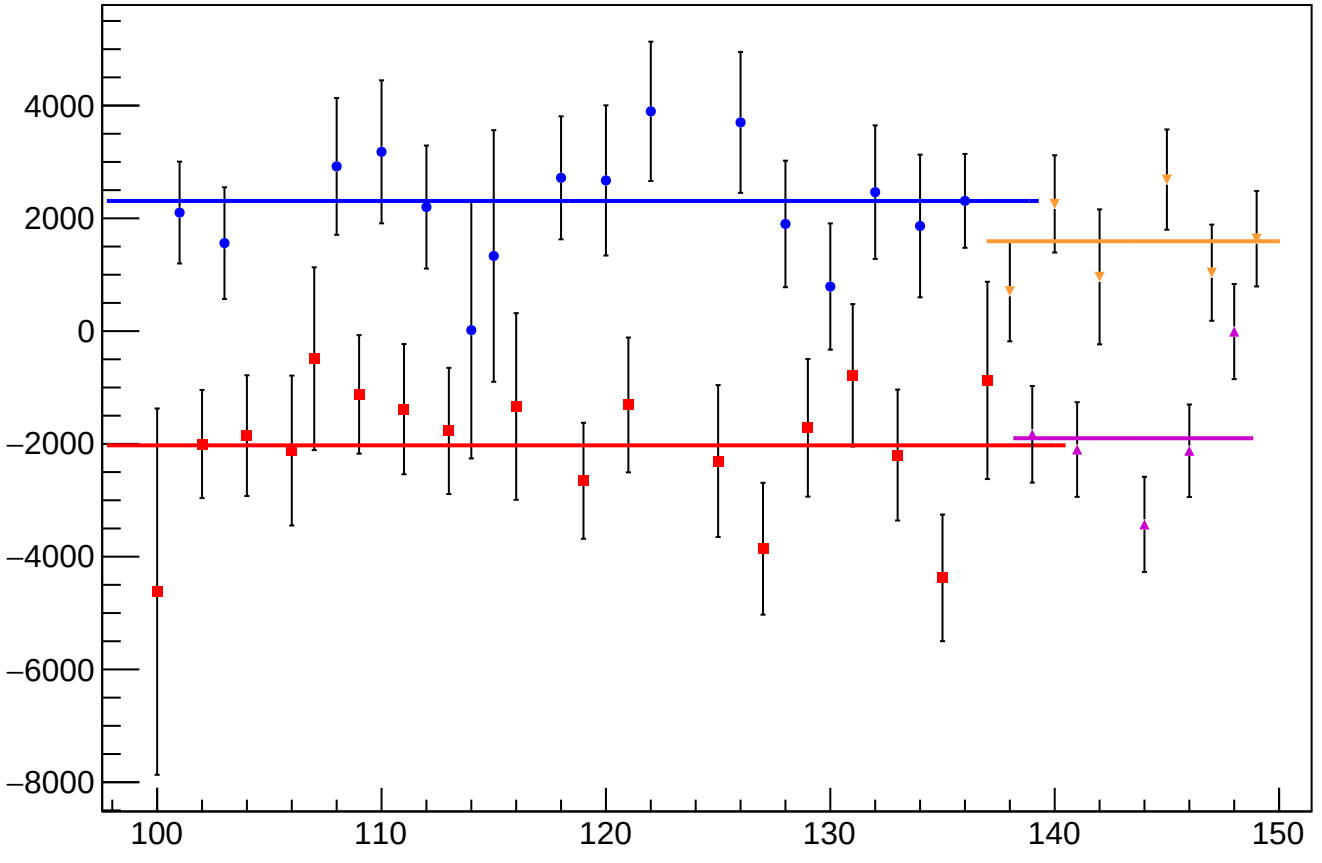
Left In: 1268.345+/-0.437 χ^2/NDF:234425.5/4

+ sign 1178.033+/-0.249 χ^2/NDF: 891977.4/21

All: 1203.589+/-0.179 χ^2/NDF: 1557238.3/44

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

cor_asym_us_avg_mean vs Slug



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

Left Out: 1593.843+/-368.931 χ^2/NDF:3.8/5

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

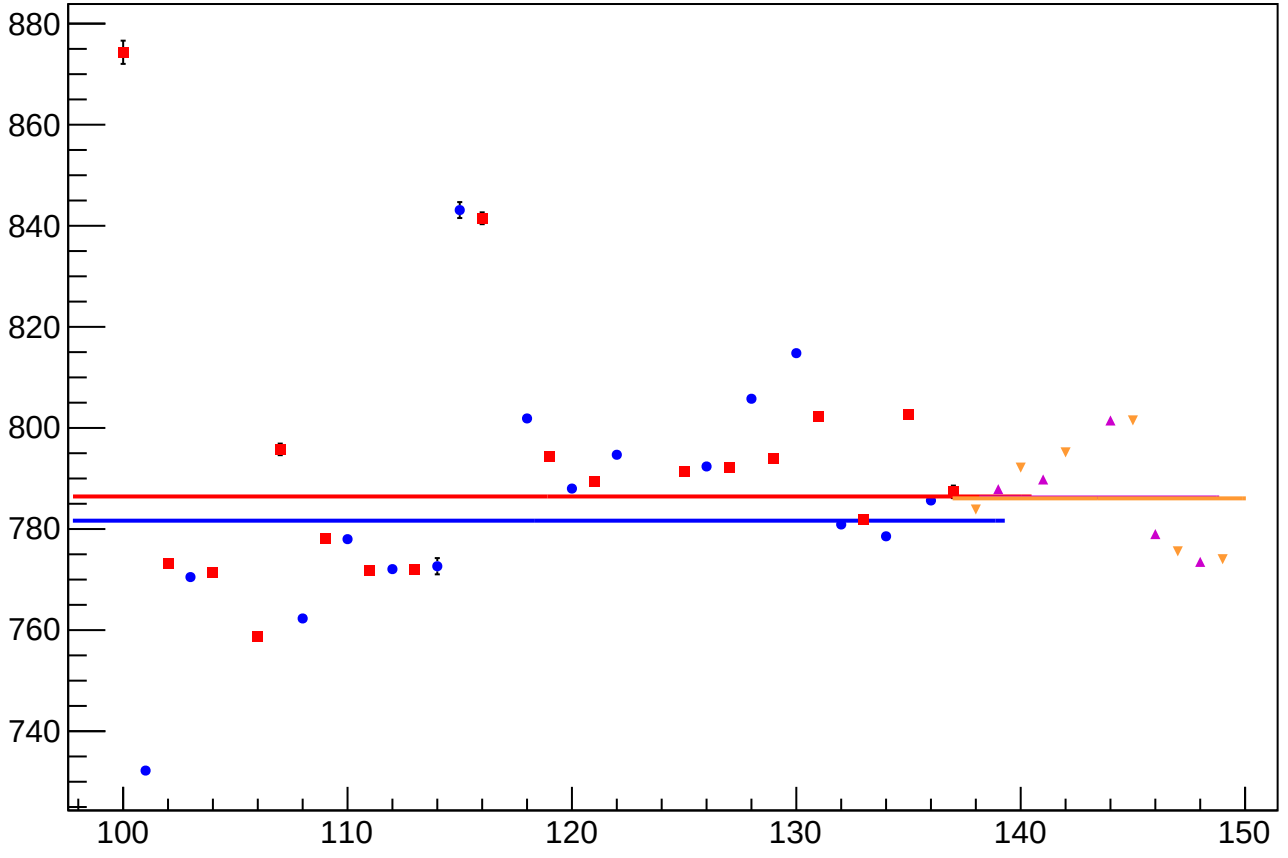
Left In: -1899.953+/-375.934 χ^2/NDF:8.4/4

+ sign 2034.852+/-228.204 χ^2/NDF: 13.9/21

All: 39.556+/-161.827 χ^2/NDF: 188.2/44

- 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: 786.068+/-0.261 χ^2/NDF:1536.1/5

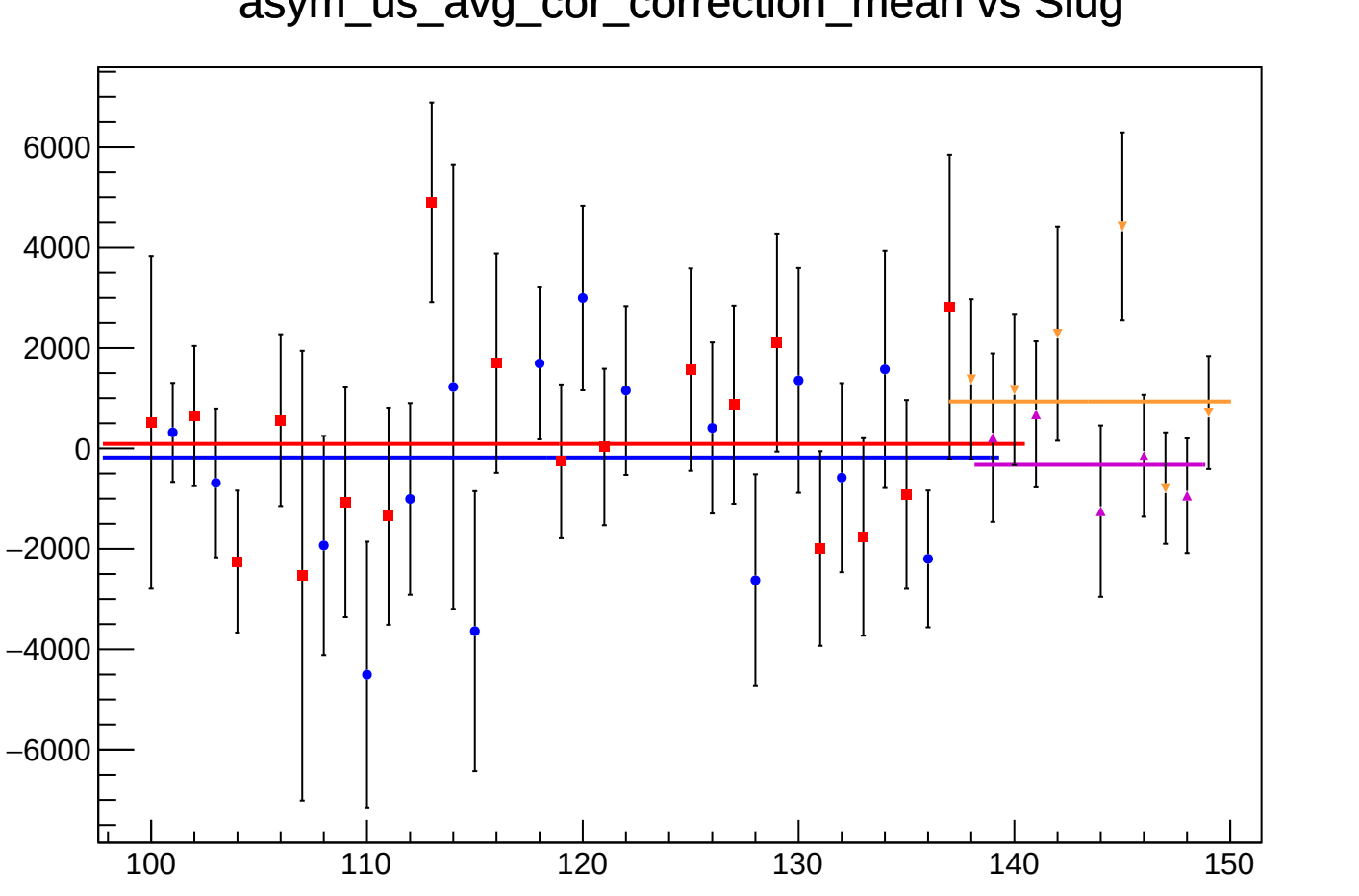
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

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

+ sign 783.343+/-0.161 χ^2/NDF: 14031.9/21

All: 784.847+/-0.114 χ^2/NDF: 22715.0/44

- 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: 933.038+/-582.679 χ^2/NDF:6.4/5

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

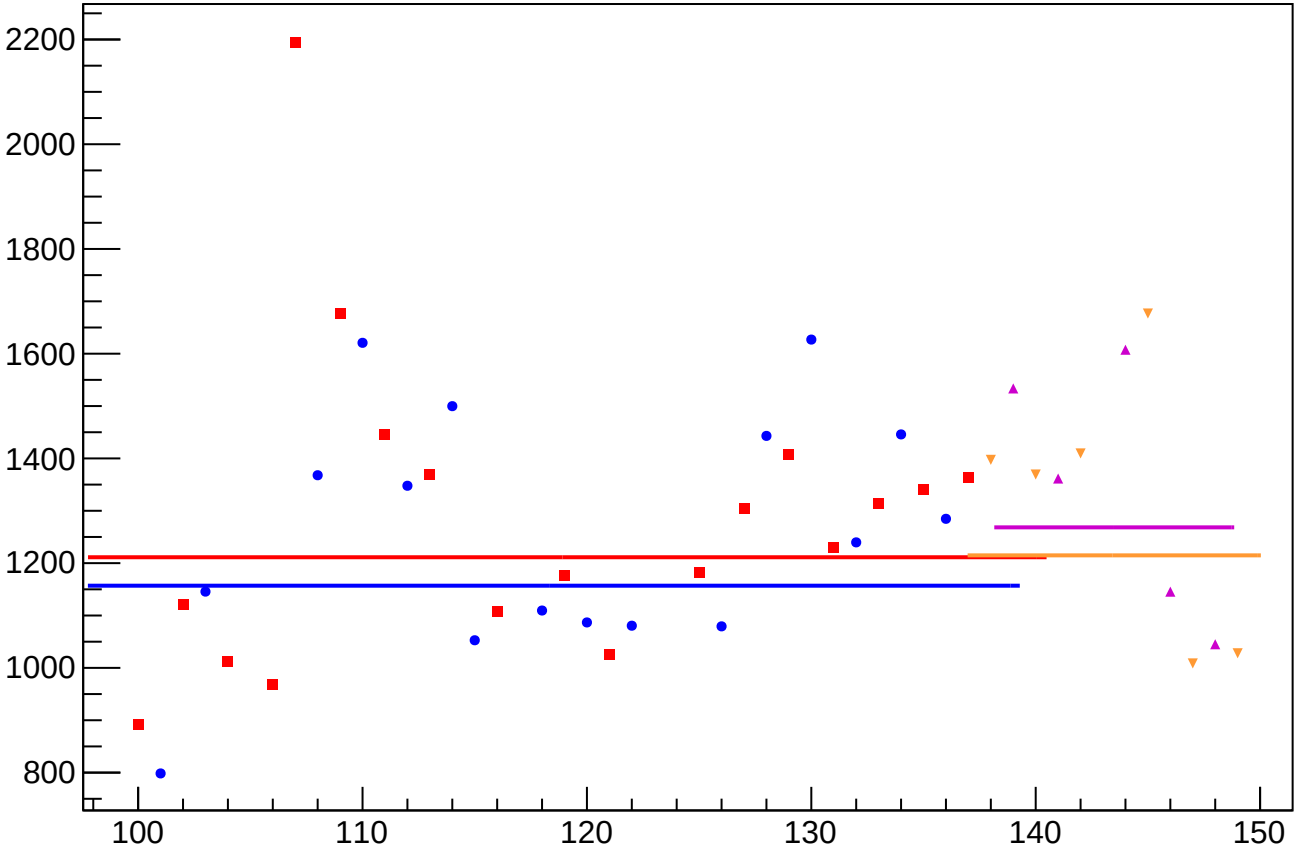
Left In: -326.067+/-617.702 χ^2/NDF:1.2/4

+ sign 225.146+/-351.525 χ^2/NDF: 24.1/21

All: 90.608+/-253.609 χ^2/NDF: 41.1/44

- 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: 1214.879+/-0.412 χ^2/NDF:310283.4/5

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

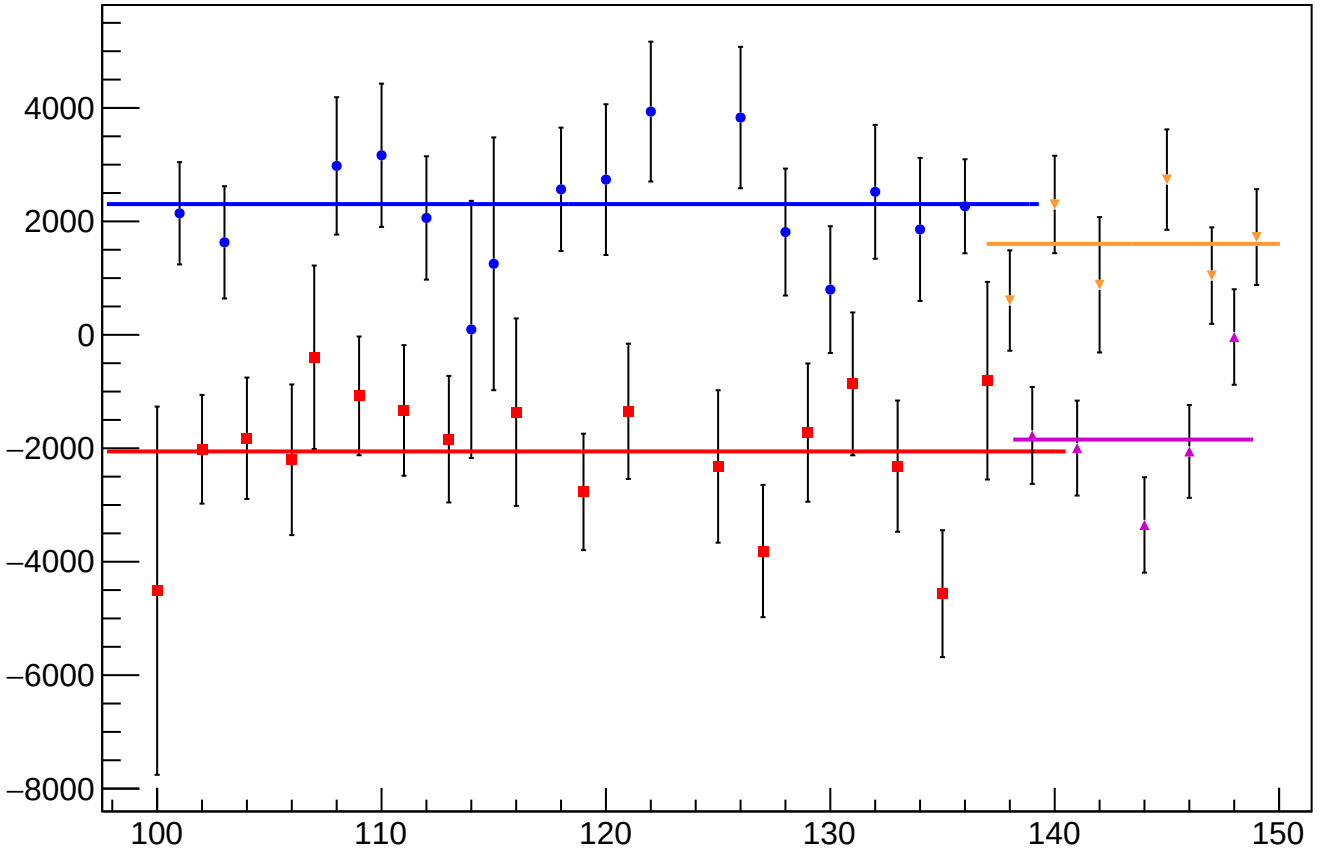
Left In: 1268.345+/-0.437 χ^2/NDF:234425.5/4

+ sign 1178.033+/-0.249 χ^2/NDF: 891977.4/21

All: 1203.589+/-0.179 χ^2/NDF: 1557238.3/44

- 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: 1603.621+/-367.769 χ^2/NDF:4.4/5

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

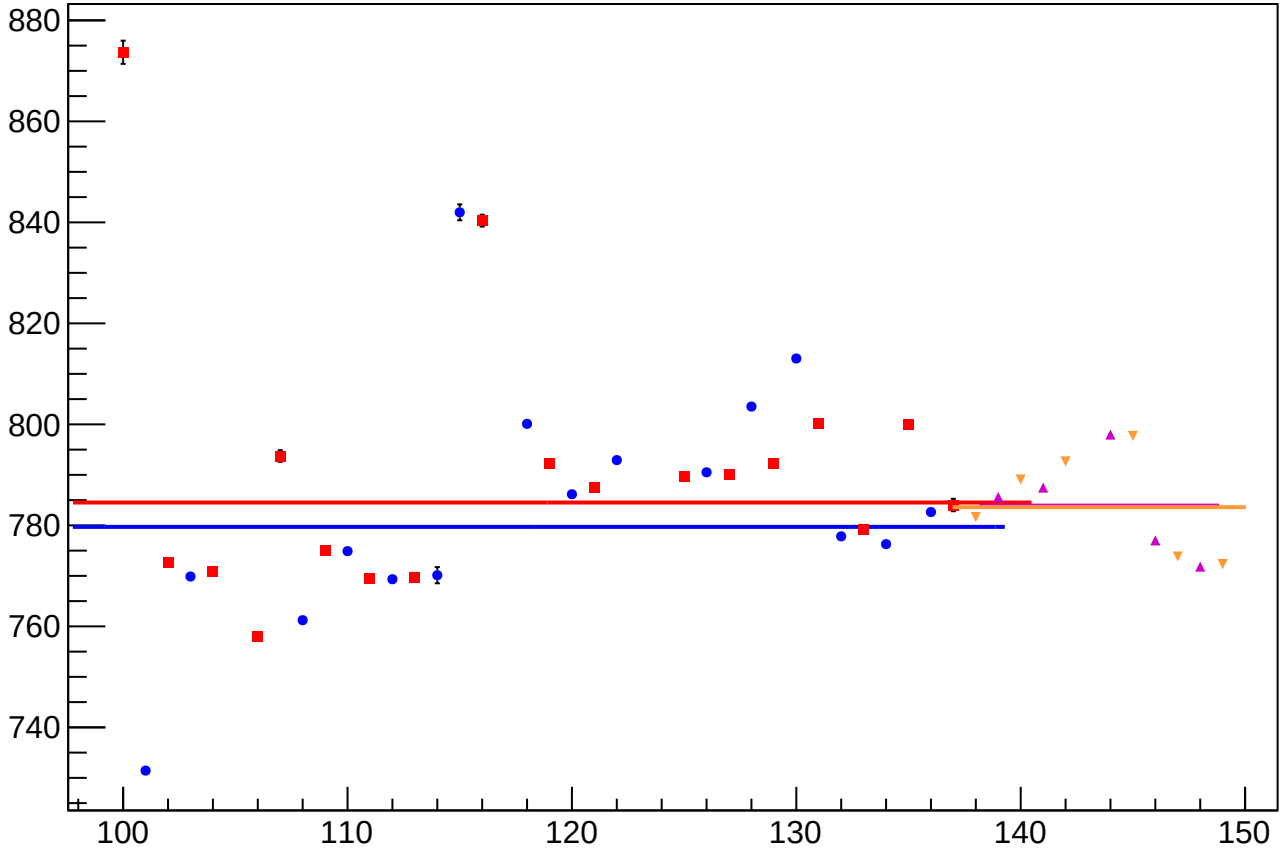
Left In: -1846.723+/-374.815 χ^2/NDF:7.9/4

+ sign 2036.340+/-227.576 χ^2/NDF: 14.7/21

All: 41.051+/-161.391 χ^2/NDF: 190.3/44

- 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: 783.603+/-0.260 χ^2/NDF:1334.2/5

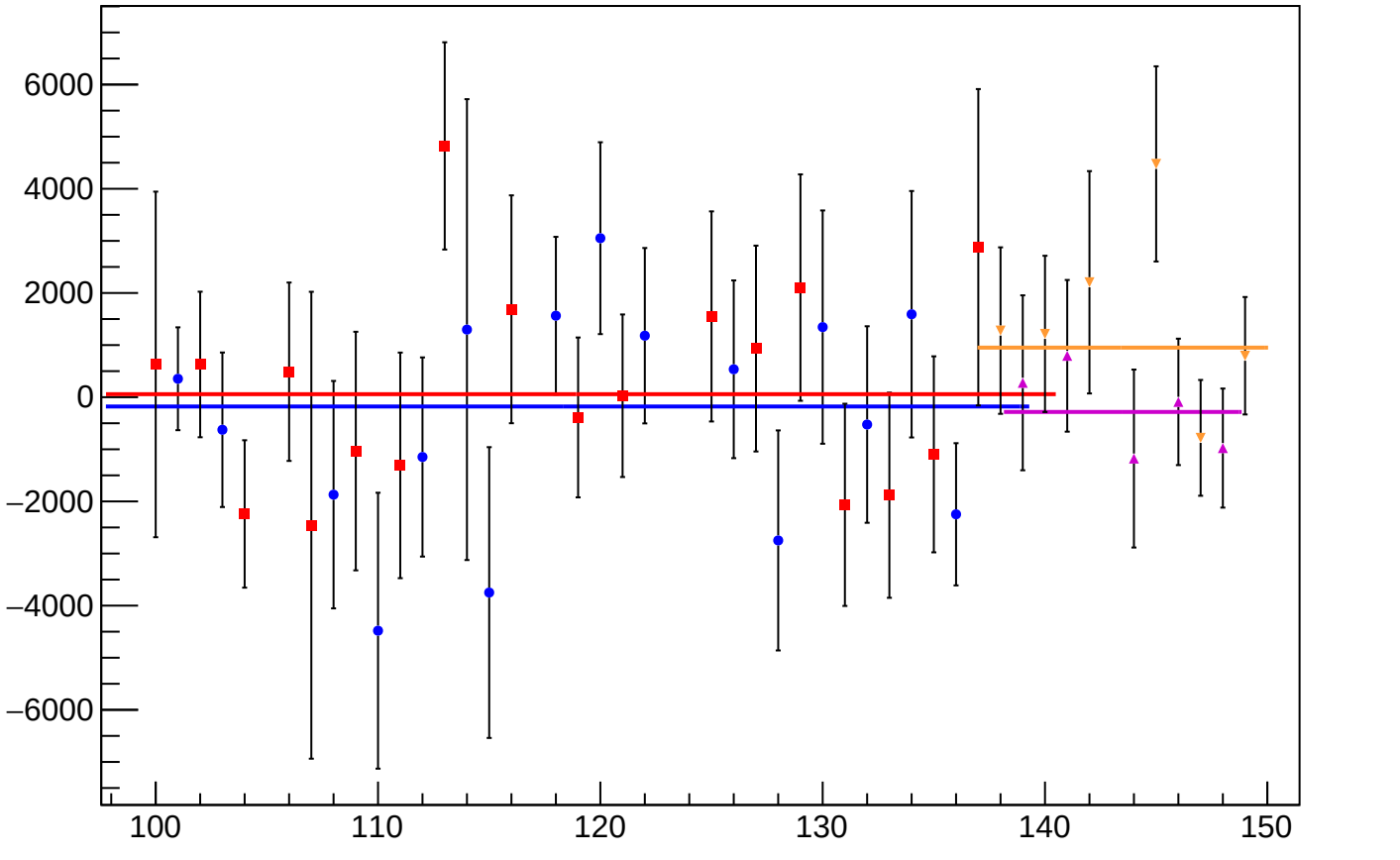
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

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

\+ sign 781.196+/-0.161 χ^2/NDF: 13533.3/21

All: 782.737+/-0.114 χ^2/NDF: 22039.5/44

\- 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: 951.662+/-583.373 χ^2/NDF:6.4/5

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

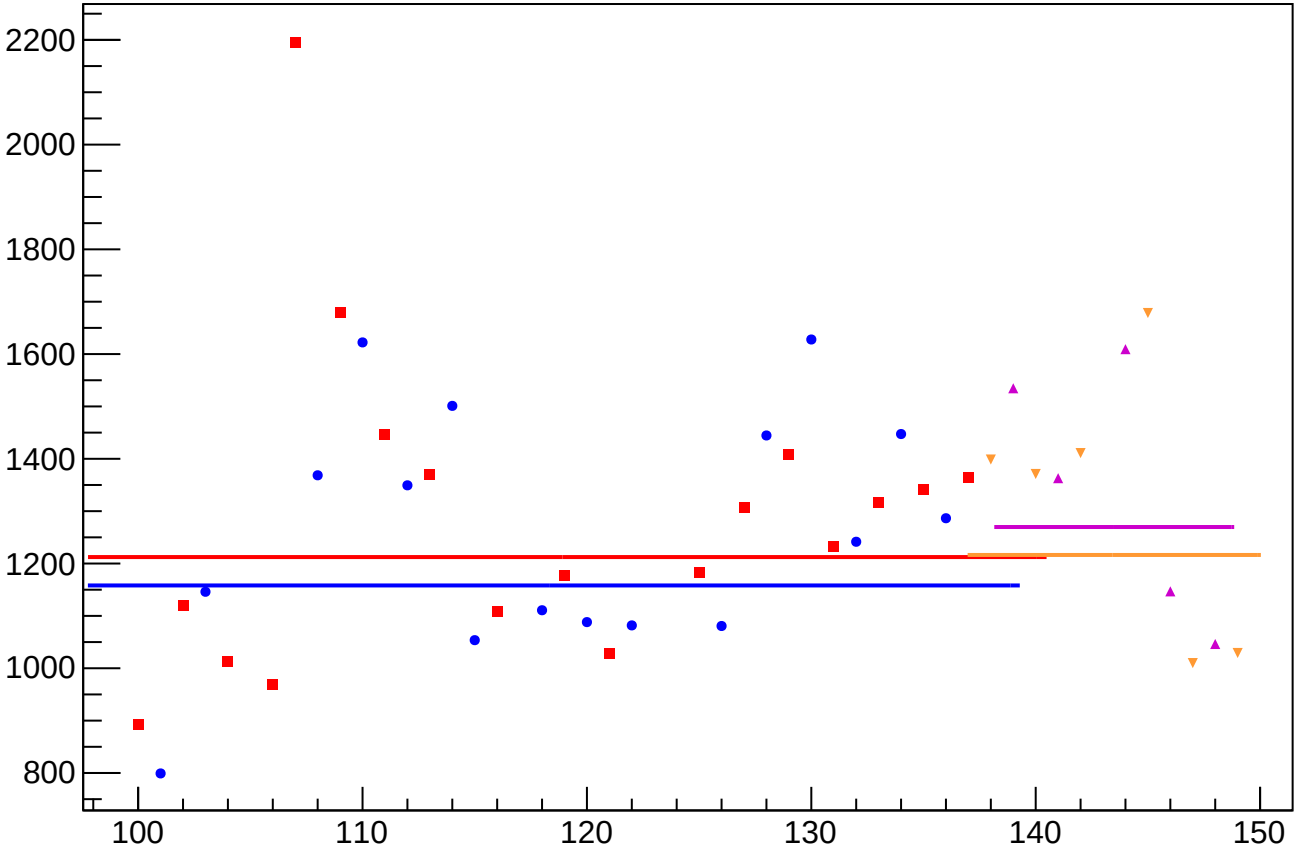
Left In: -283.017+/-618.358 χ^2/NDF:1.3/4

\+ sign 232.768+/-351.903 χ^2/NDF: 24.5/21

All: 91.488+/-253.867 χ^2/NDF: 41.6/44

\- 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: 1216.363+/-0.413 χ^2/NDF:309904.7/5

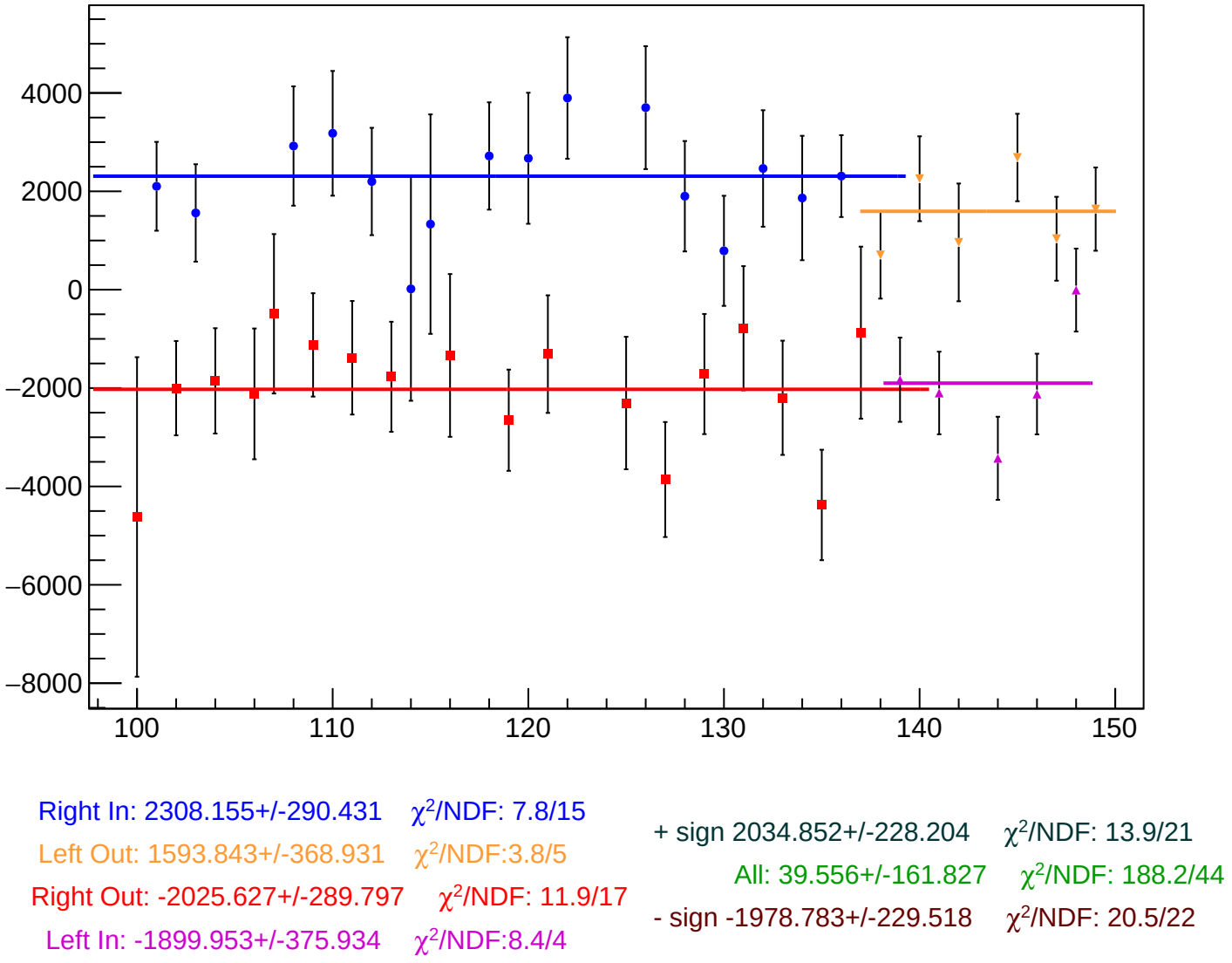
Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

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

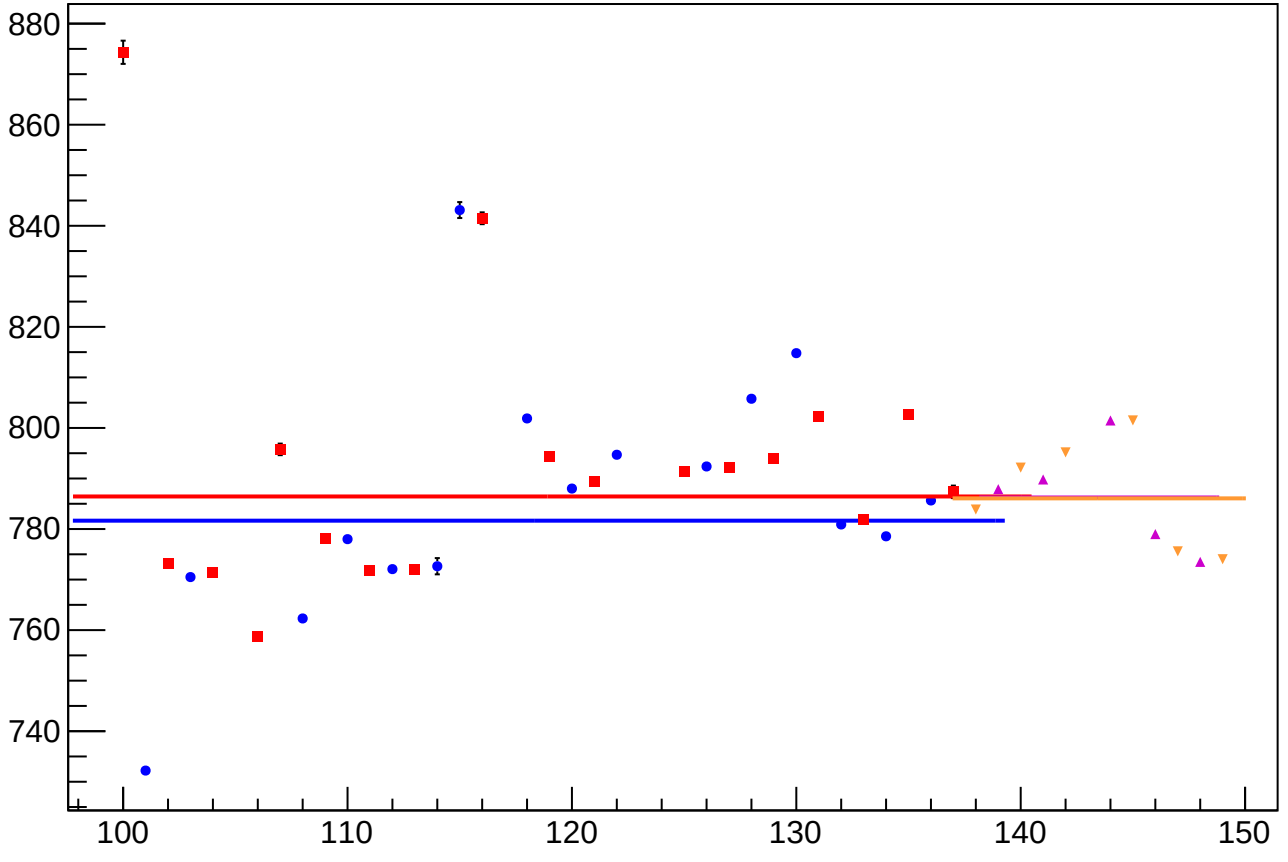
+ sign 1179.322+/-0.249 χ^2/NDF: 891725.1/21

All: 1204.831+/-0.180 χ^2/NDF: 1556875.7/44

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


eigen_cor_asym_us_avg_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: 2308.155+/-290.431 χ²/NDF: 7.8/15
Left Out: 1593.843+/-368.931 χ²/NDF:3.8/5
Right Out: -2025.627+/-289.797 χ²/NDF: 11.9/17
Left In: -1899.953+/-375.934 χ²/NDF:8.4/4
+ sign 2034.852+/-228.204 χ²/NDF: 13.9/21
All: 39.556+/-161.827 χ²/NDF: 188.2/44
- sign -1978.783+/-229.518 χ²/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: 786.068+/-0.261 χ^2/NDF:1536.1/5

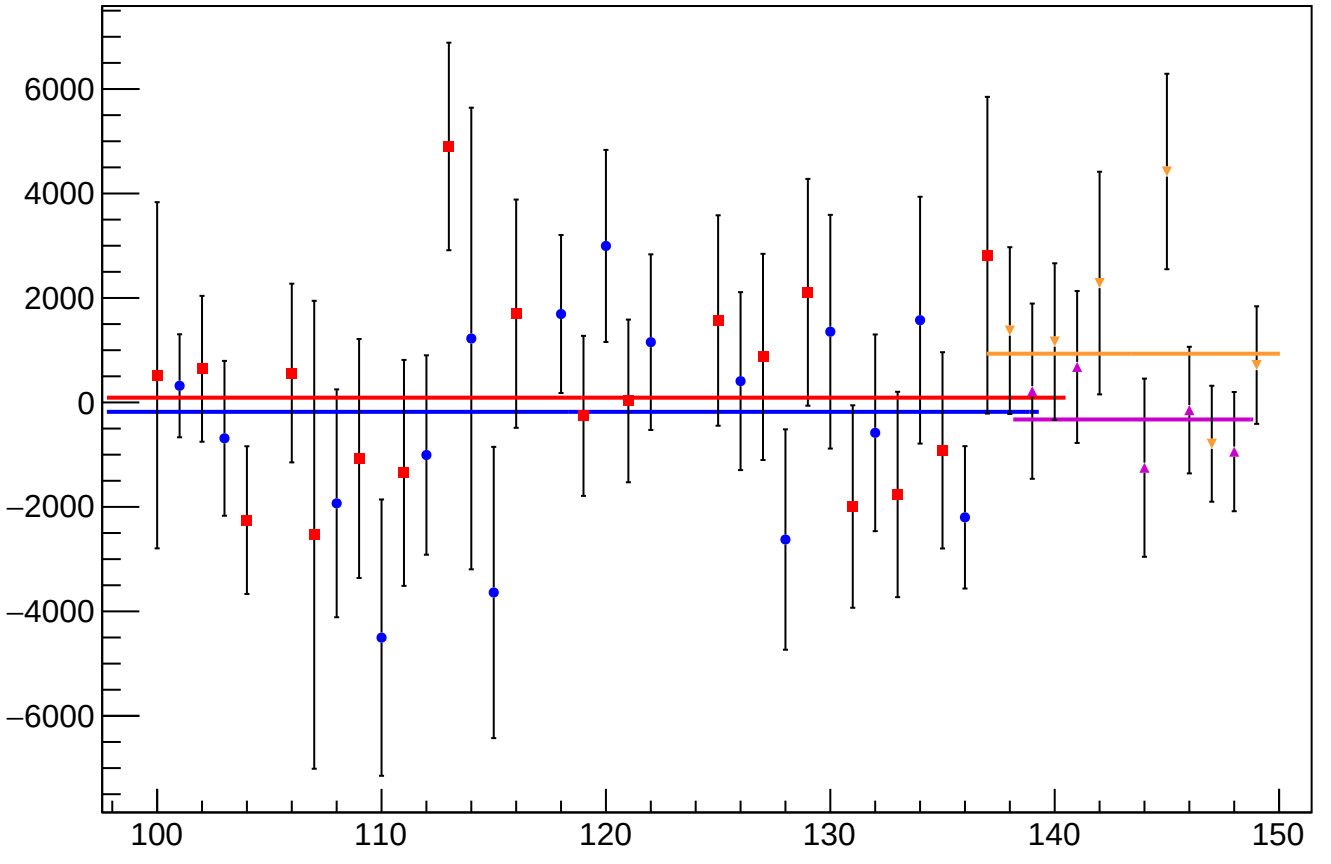
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

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

+ sign 783.343+/-0.161 χ^2/NDF: 14031.9/21

All: 784.847+/-0.114 χ^2/NDF: 22715.0/44

- 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: 933.038+/-582.679 χ^2/NDF:6.4/5

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

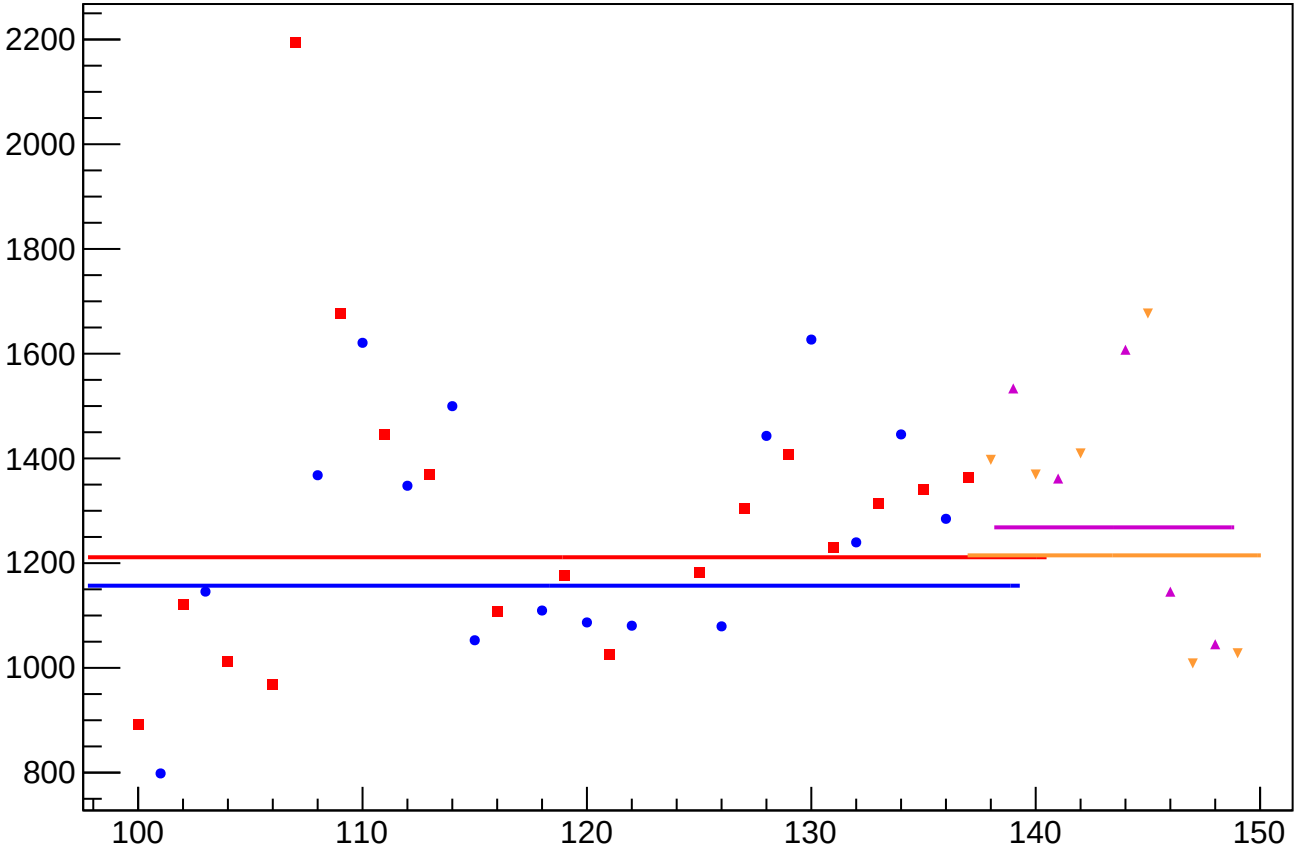
Left In: -326.067+/-617.702 χ^2/NDF:1.2/4

+ sign 225.146+/-351.525 χ^2/NDF: 24.1/21

All: 90.608+/-253.609 χ^2/NDF: 41.1/44

- 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: 1214.879+/-0.412 χ^2/NDF:310283.4/5

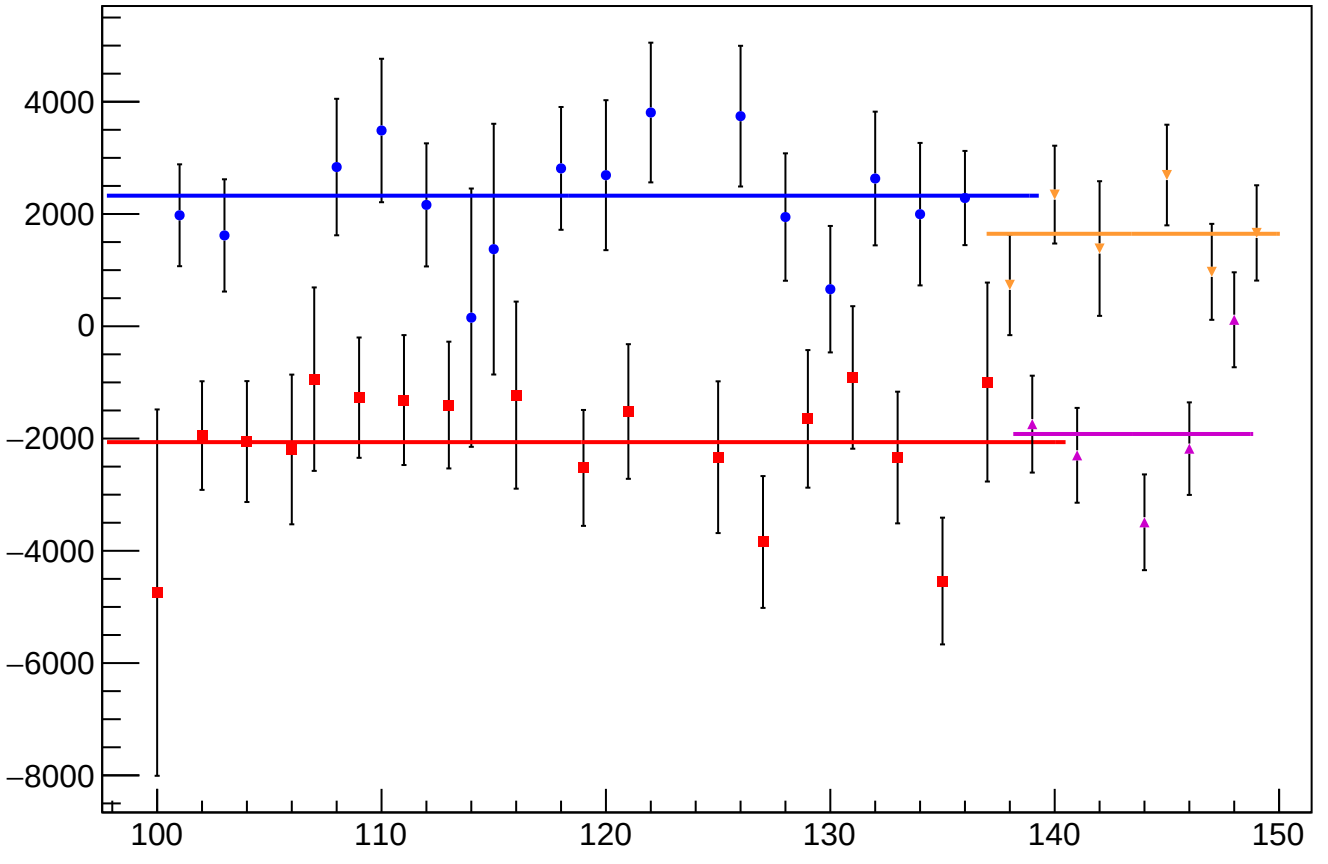
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

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

+ sign 1178.033+/-0.249 χ^2/NDF: 891977.4/21

All: 1203.589+/-0.179 χ^2/NDF: 1557238.3/44

- 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: 1647.637+/-371.207 χ^2/NDF:3.7/5

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

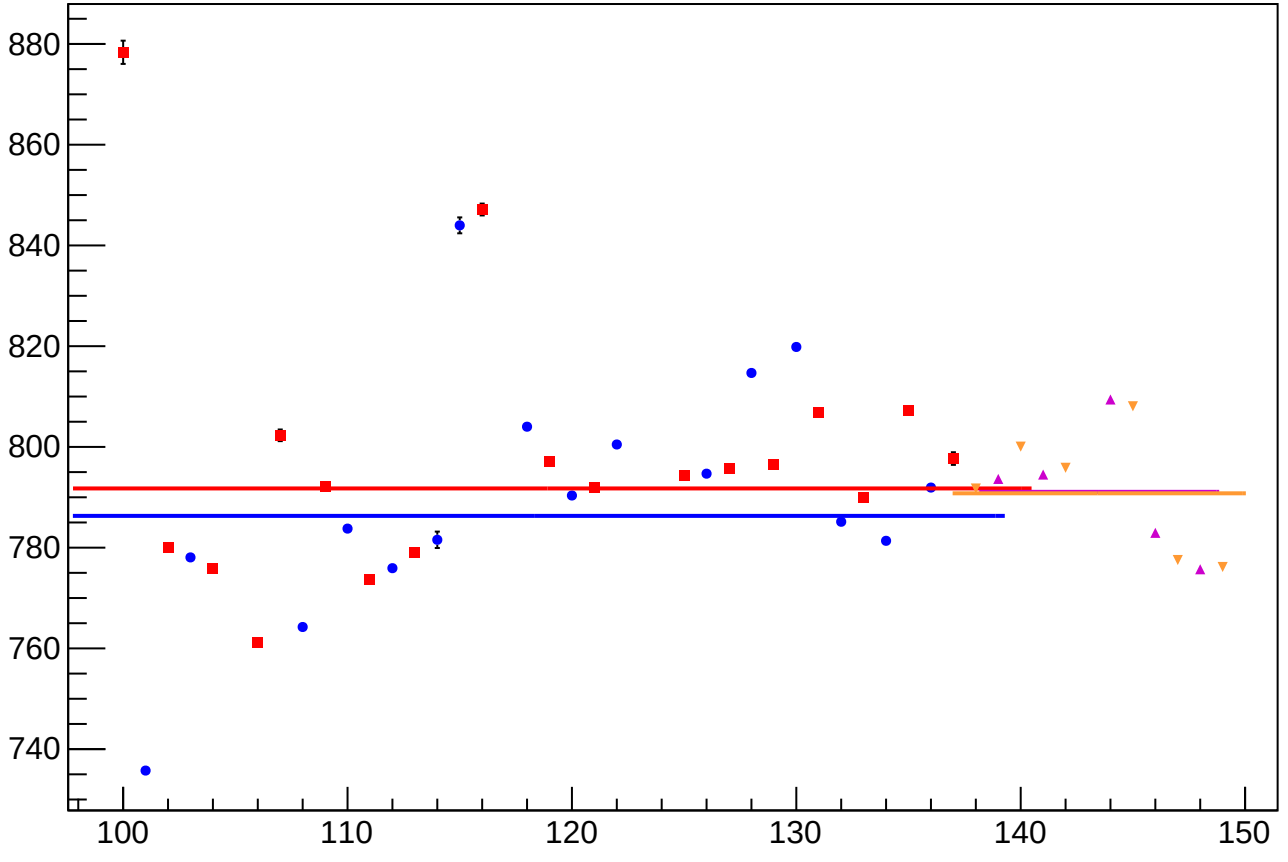
Left In: -1918.793+/-378.291 χ^2/NDF:9.5/4

+ sign 2066.769+/-229.589 χ^2/NDF: 13.9/21

All: 41.357+/-162.856 χ^2/NDF: 191.8/44

- 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: 790.788+/-0.262 χ^2/NDF:2080.4/5

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

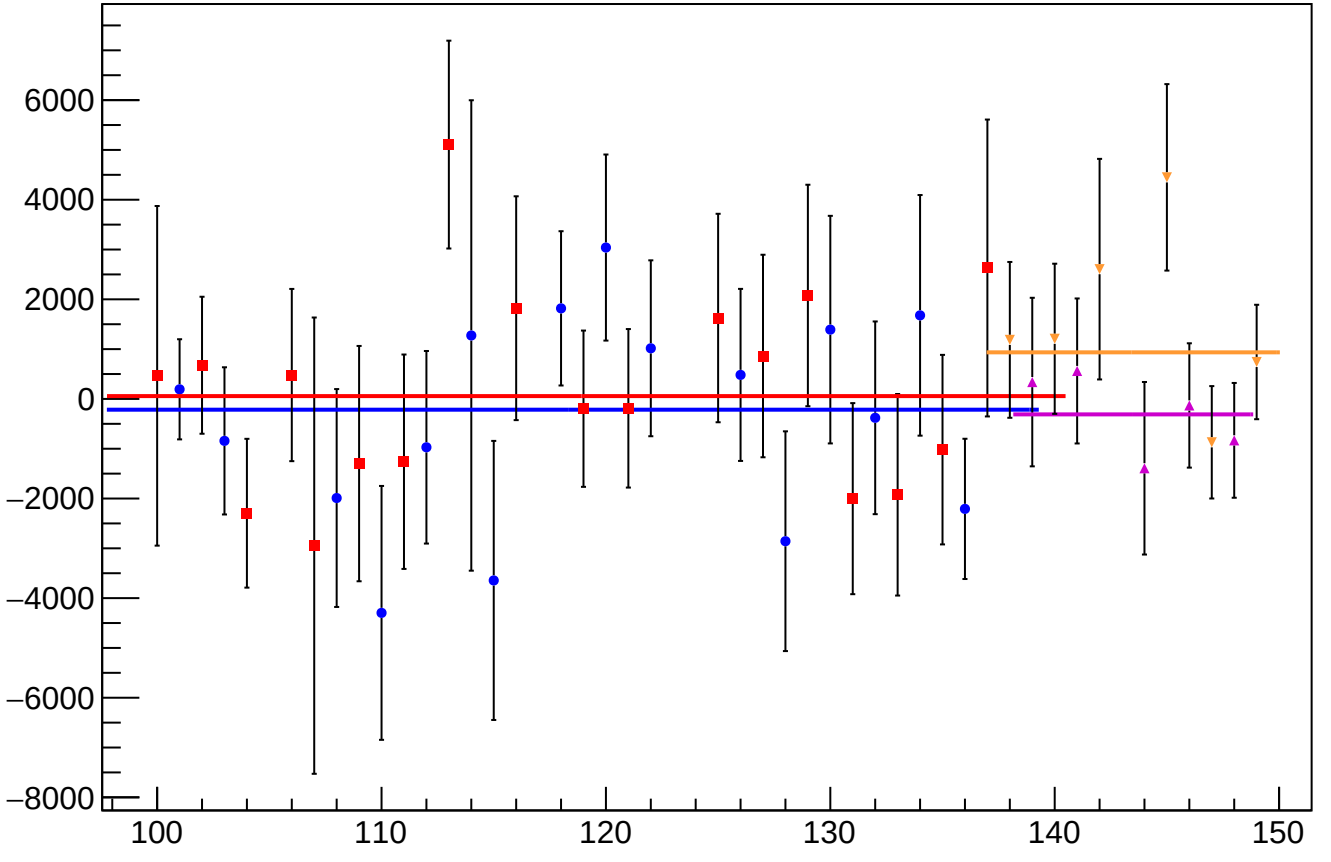
Left In: 791.082+/-0.267 χ^2/NDF:1830.0/4

+ sign 788.023+/-0.162 χ^2/NDF: 14831.3/21

All: 789.753+/-0.115 χ^2/NDF: 23909.0/44

- 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: 935.414+/-589.191 χ^2/NDF:6.7/5

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

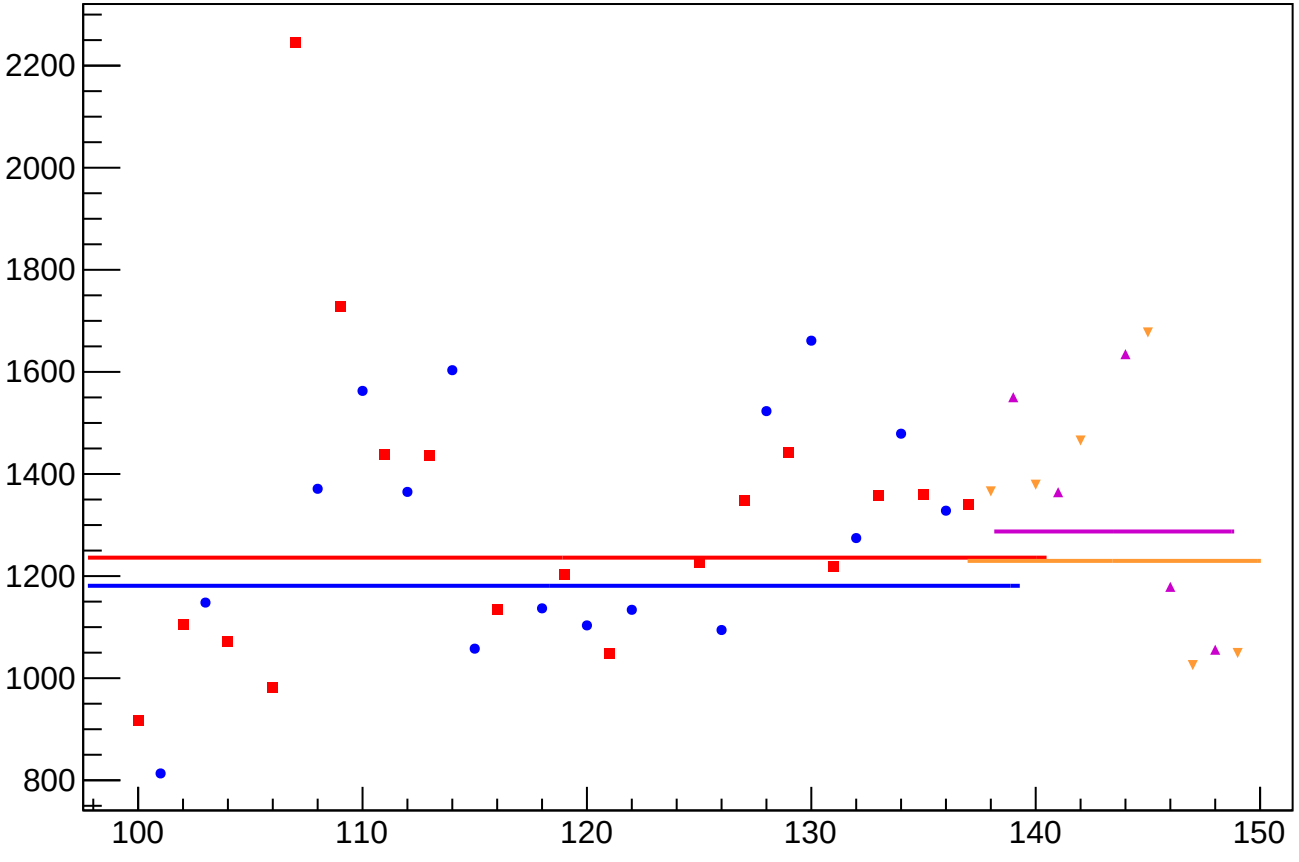
Left In: -310.359+/-626.389 χ^2/NDF:1.1/4

+ sign 207.535+/-357.392 χ^2/NDF: 24.4/21

All: 73.061+/-258.002 χ^2/NDF: 41.2/44

- 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: 1229.792+/-0.417 χ^2/NDF:286486.5/5

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

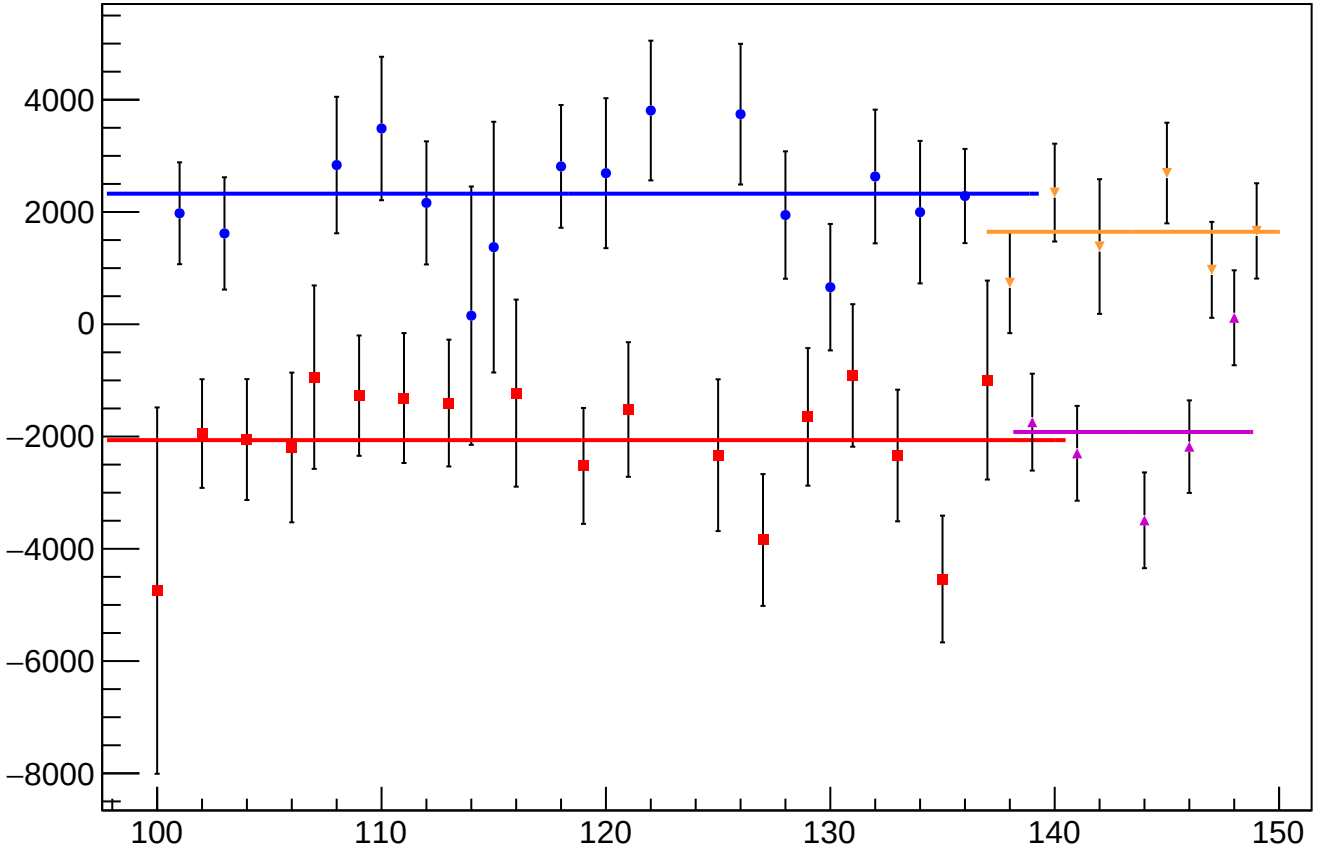
Left In: 1287.386+/-0.443 χ^2/NDF:230171.5/4

+ sign 1198.951+/-0.253 χ^2/NDF: 866264.1/21

All: 1225.452+/-0.182 χ^2/NDF: 1525287.2/44

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

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1647.638+/-371.207 χ^2/NDF:3.7/5

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

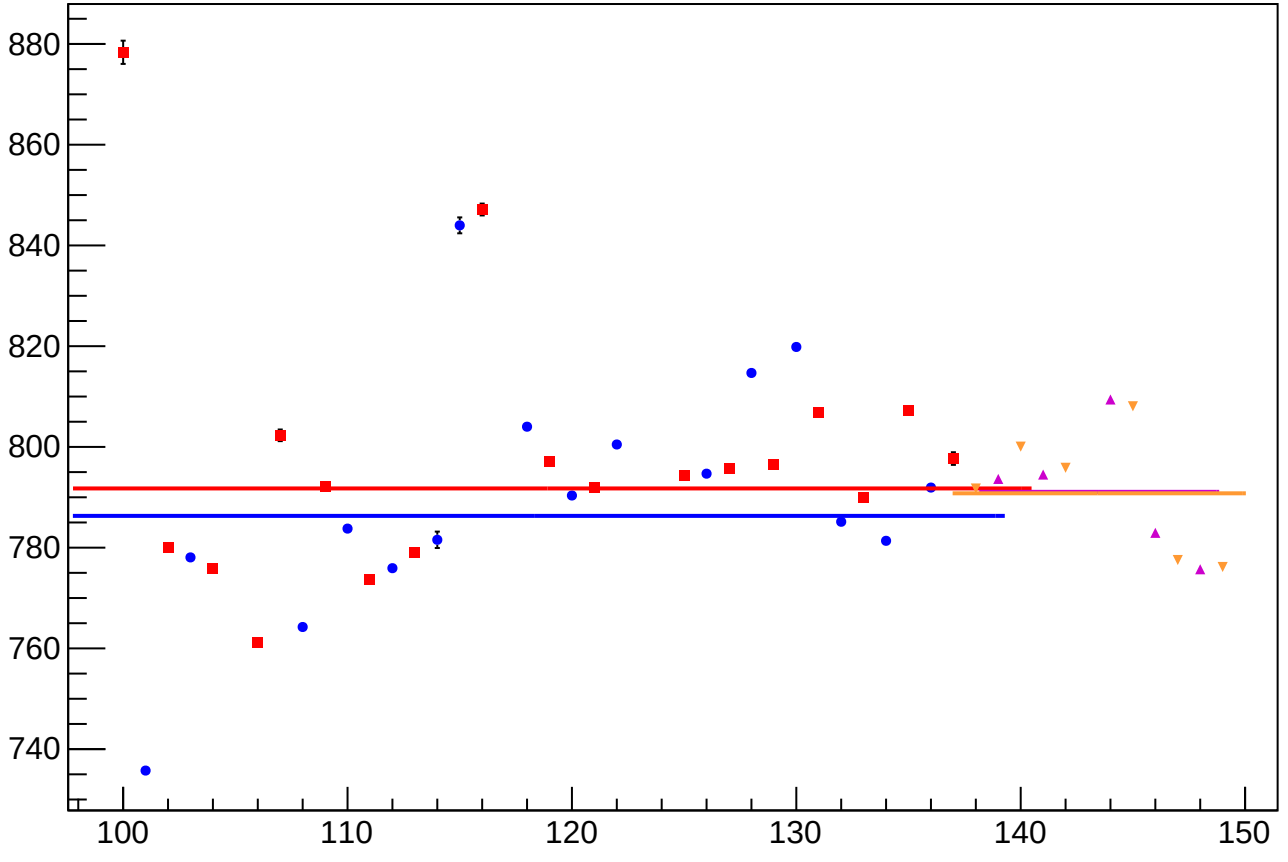
Left In: -1918.793+/-378.291 χ^2/NDF:9.5/4

+ sign 2066.769+/-229.589 χ^2/NDF: 13.9/21

All: 41.357+/-162.856 χ^2/NDF: 191.8/44

- 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: 790.788+/-0.262 χ^2/NDF:2080.4/5

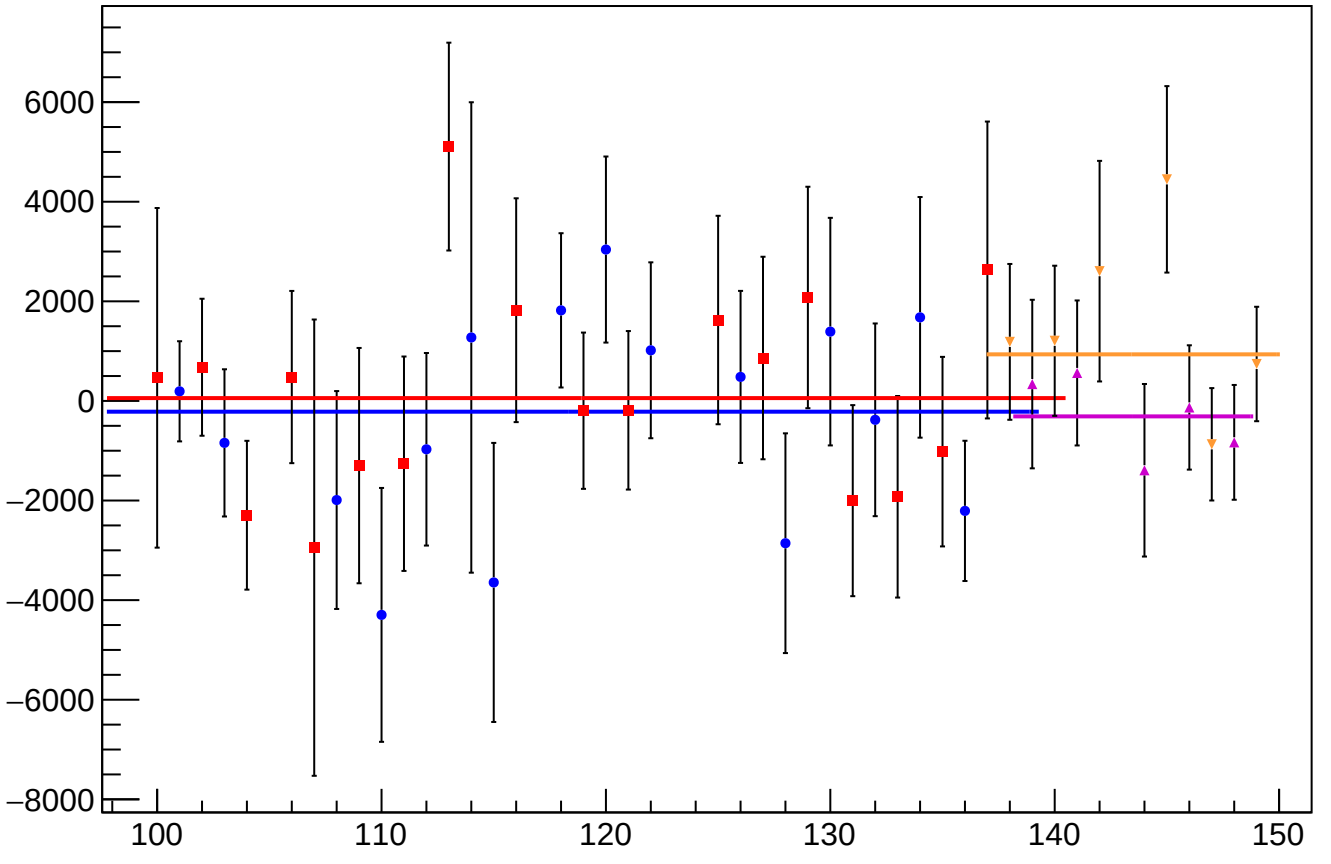
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

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

+ sign 788.023+/-0.162 χ^2/NDF: 14831.2/21

All: 789.753+/-0.115 χ^2/NDF: 23908.9/44

- 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: 935.412+/-589.192 χ^2/NDF:6.7/5

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

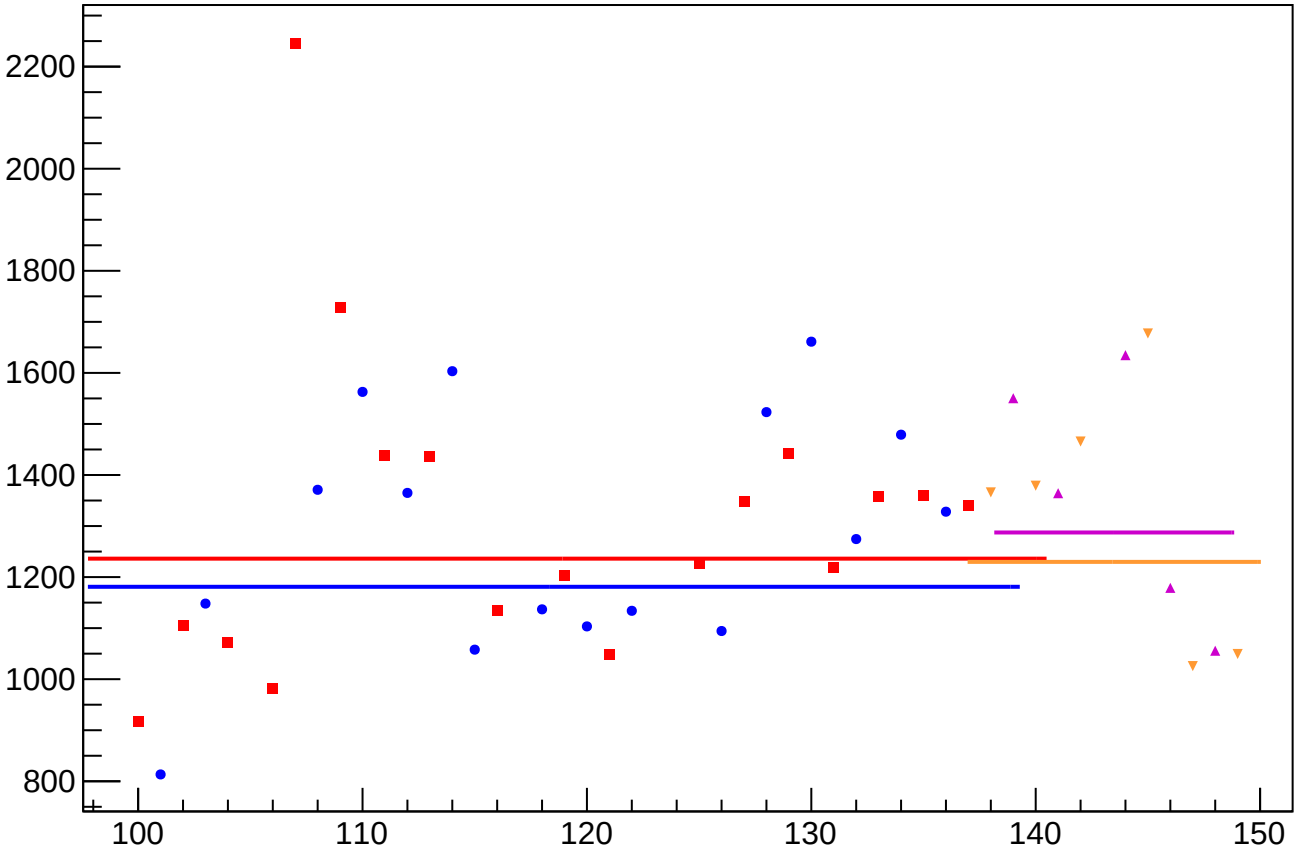
Left In: -310.359+/-626.390 χ^2/NDF:1.1/4

+ sign 207.533+/-357.391 χ^2/NDF: 24.4/21

All: 73.060+/-258.001 χ^2/NDF: 41.2/44

- 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: 1229.794+/-0.417 χ^2/NDF:286487.8/5

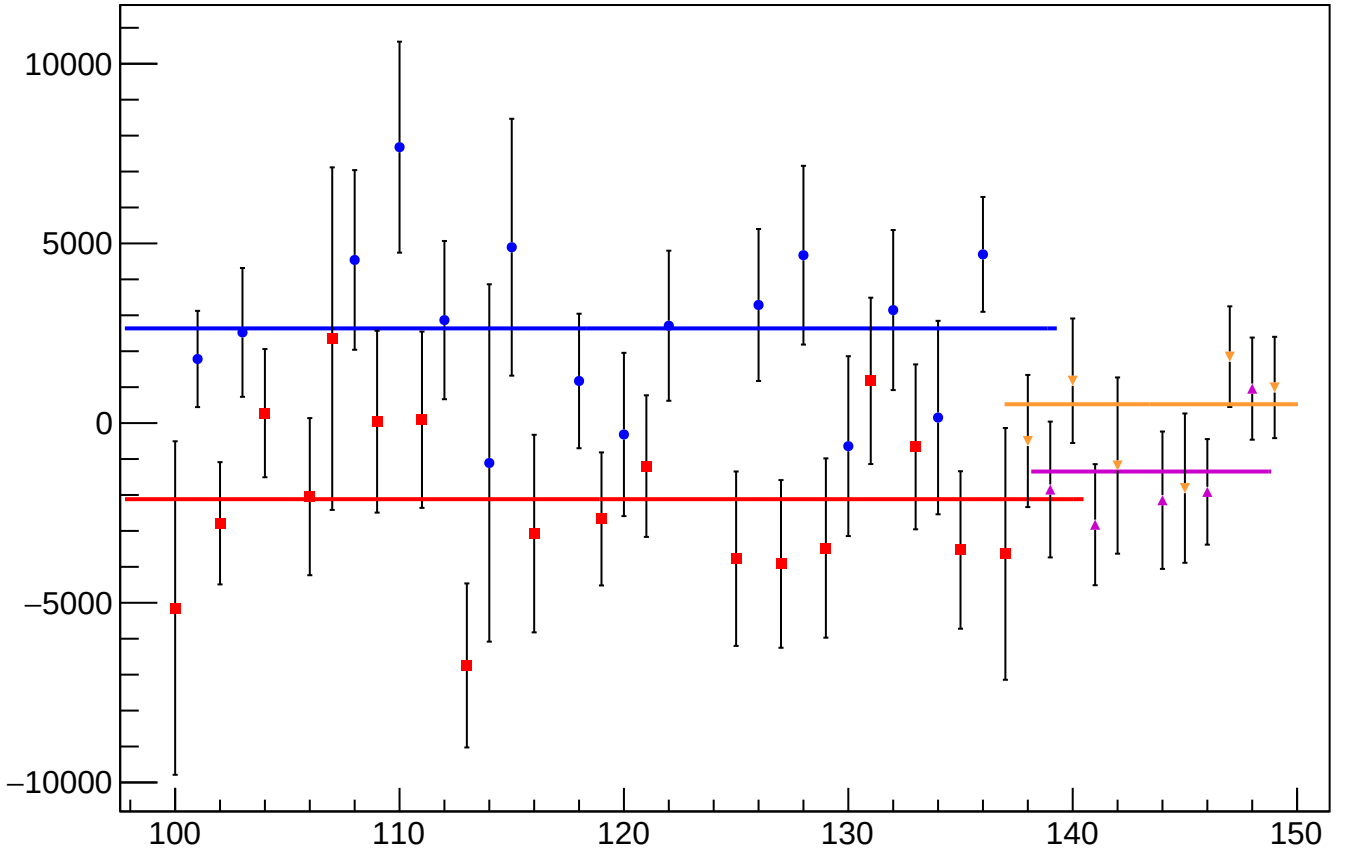
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

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

+ sign 1198.950+/-0.253 χ^2/NDF: 866265.2/21

All: 1225.450+/-0.182 χ^2/NDF: 1525289.2/44

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



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

Left Out: 524.699+/-700.241 χ^2/NDF:3.2/5

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

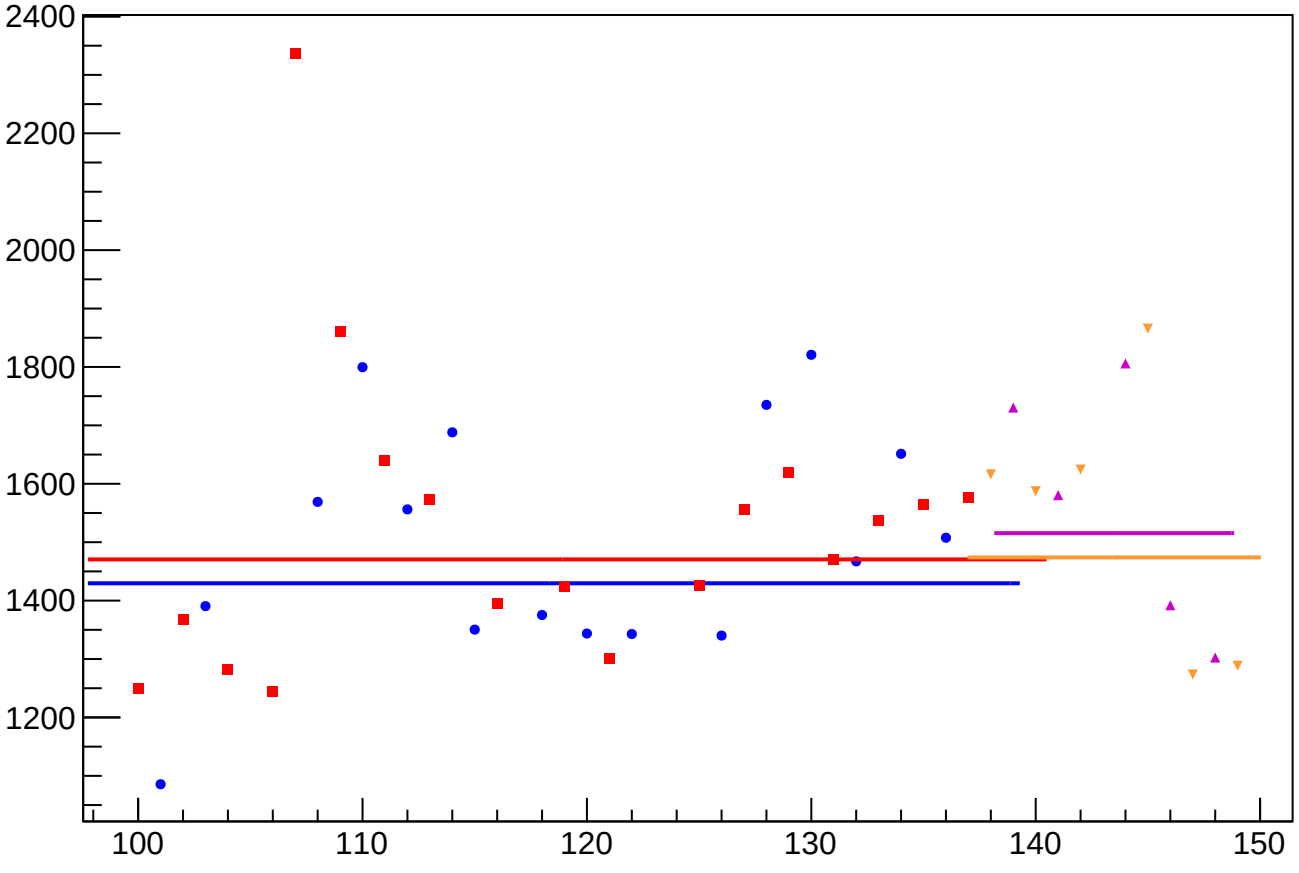
Left In: -1347.656+/-732.286 χ^2/NDF:3.8/4

+ sign 1851.872+/-426.639 χ^2/NDF: 21.2/21

All: 55.861+/-305.781 χ^2/NDF: 75.8/44

- 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: 1473.925+/-0.495 χ^2/NDF:174630.1/5

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

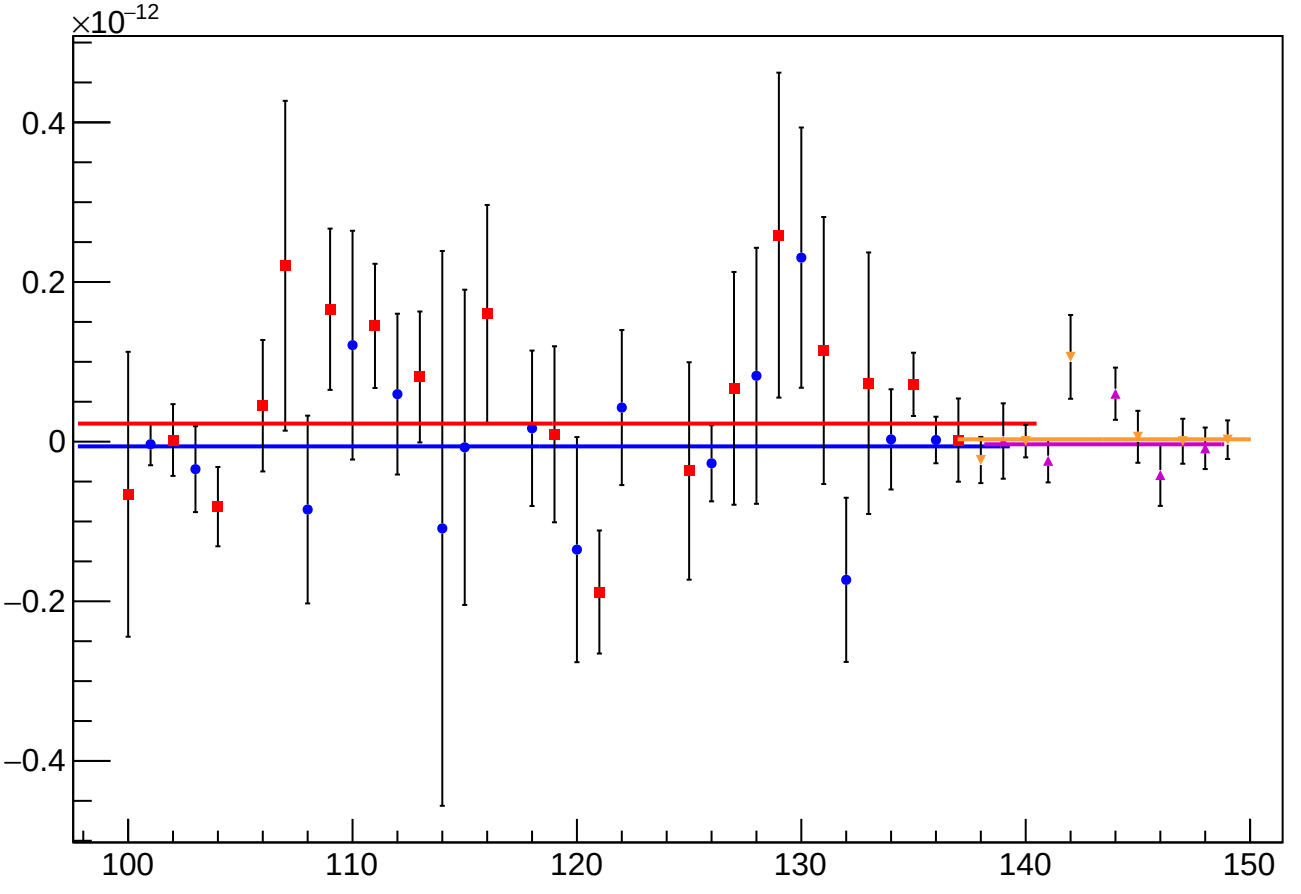
Left In: 1515.529+/-0.518 χ^2/NDF:134161.9/4

+ sign 1446.088+/-0.302 χ^2/NDF: 473045.3/21

All: 1465.832+/-0.216 χ^2/NDF: 838918.7/44

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

asym_us_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/5

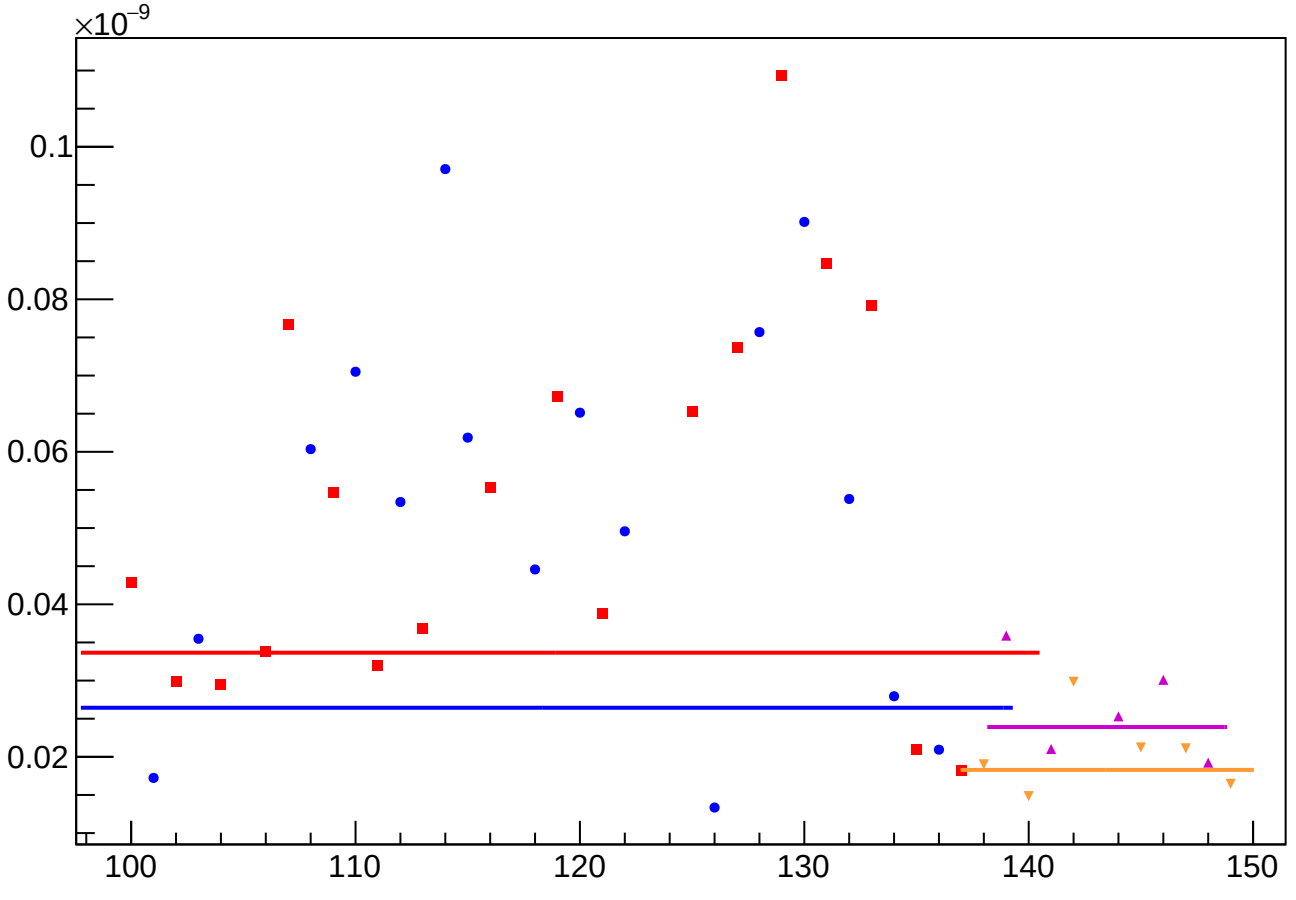
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 13.5/21

All: 0.000+/-0.000 χ^2/NDF: 43.4/44

- sign 0.000+/-0.000 χ^2/NDF: 29.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 2138464.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:203193.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1711887.8/17

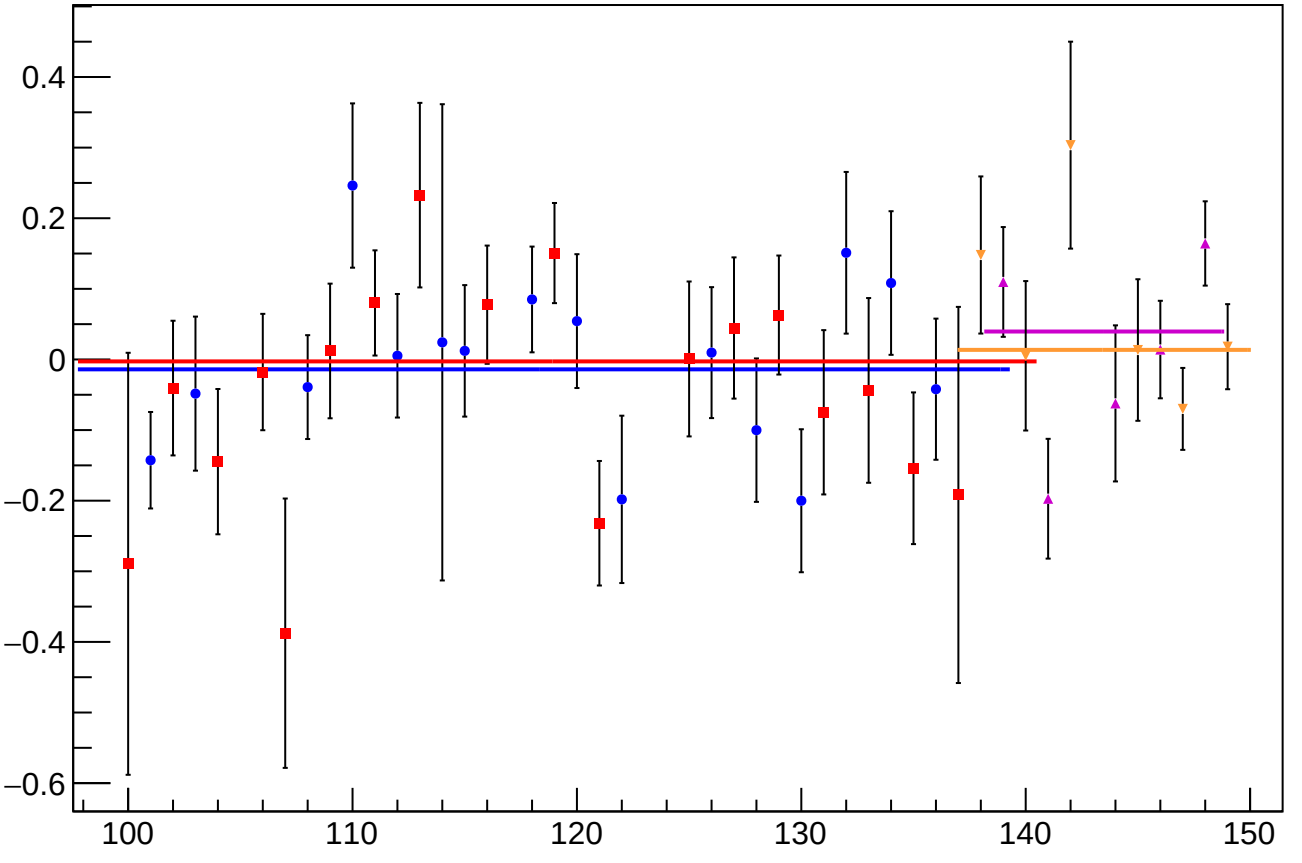
Left In: 0.000+/-0.000 χ^2/NDF:270908.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 2713572.2/21

All: 0.000+/-0.000 χ^2/NDF: 5450596.8/44

- sign 0.000+/-0.000 χ^2/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: 0.014+/-0.034 χ^2/NDF:7.5/5

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

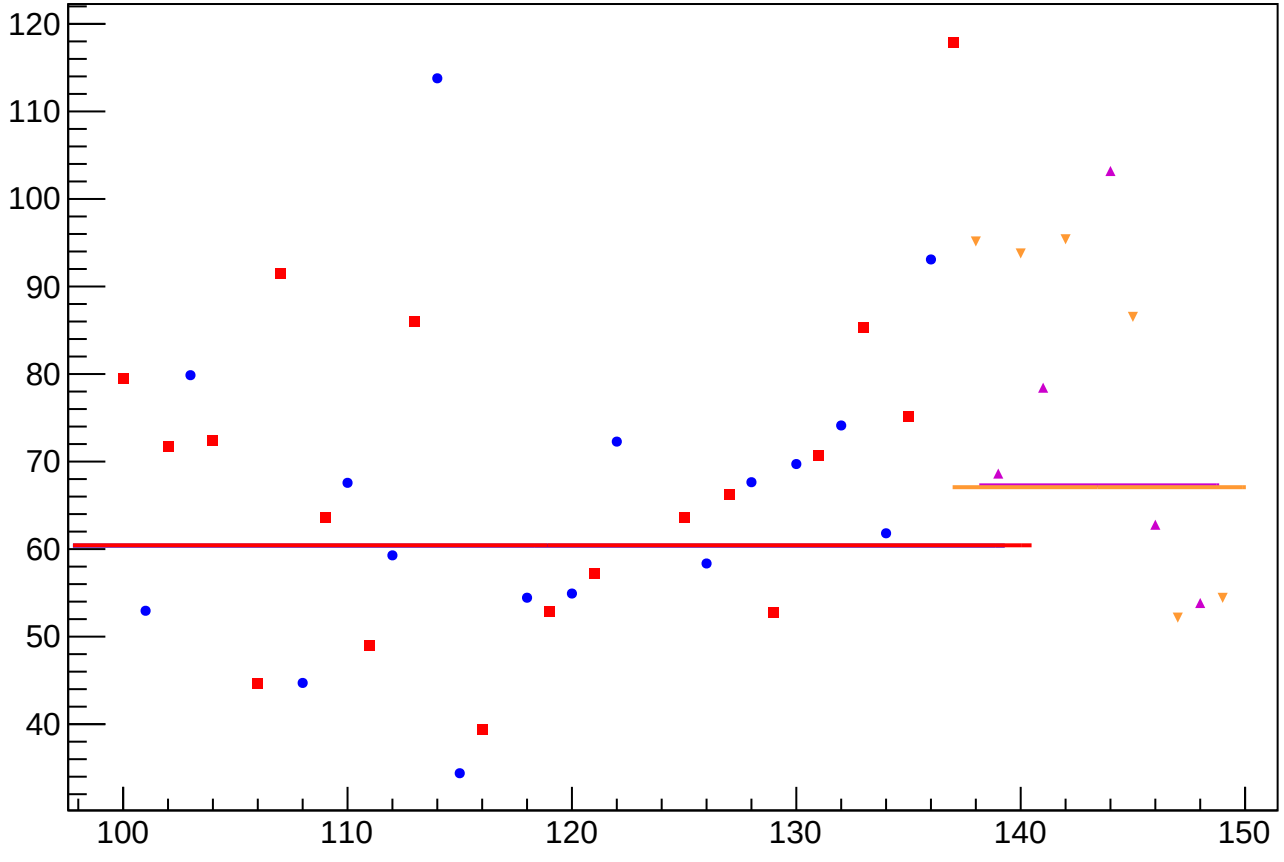
Left In: 0.040+/-0.034 χ^2/NDF:14.0/4

\+ sign -0.005+/-0.019 χ^2/NDF: 29.3/21

All: 0.003+/-0.014 χ^2/NDF: 72.4/44

\- 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: 67.072+/-0.024 χ^2/NDF:624725.9/5

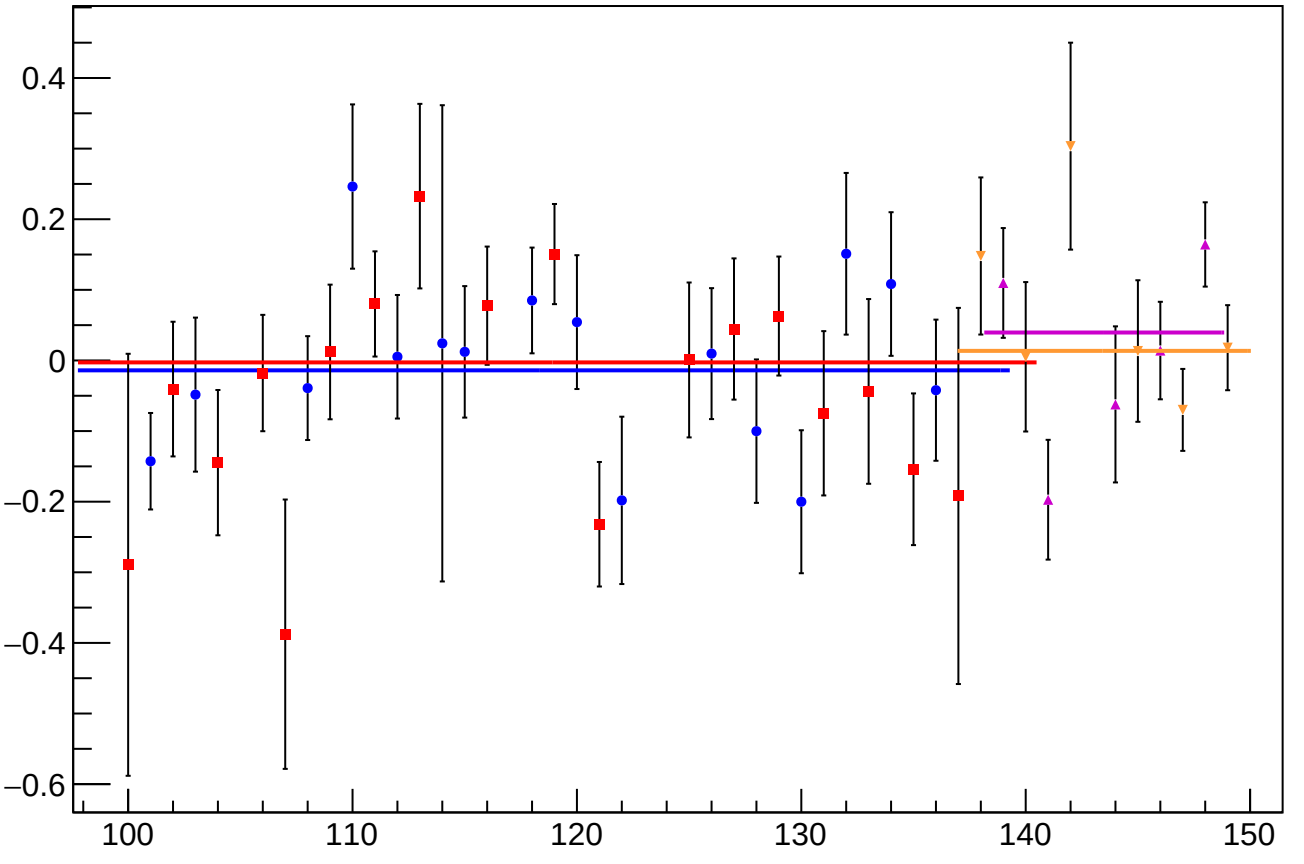
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

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

+ sign 62.641+/-0.014 χ^2/NDF: 1380432.1/21

All: 62.673+/-0.010 χ^2/NDF: 2502678.8/44

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



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

Left Out: 0.014+/-0.034 χ^2/NDF:7.5/5

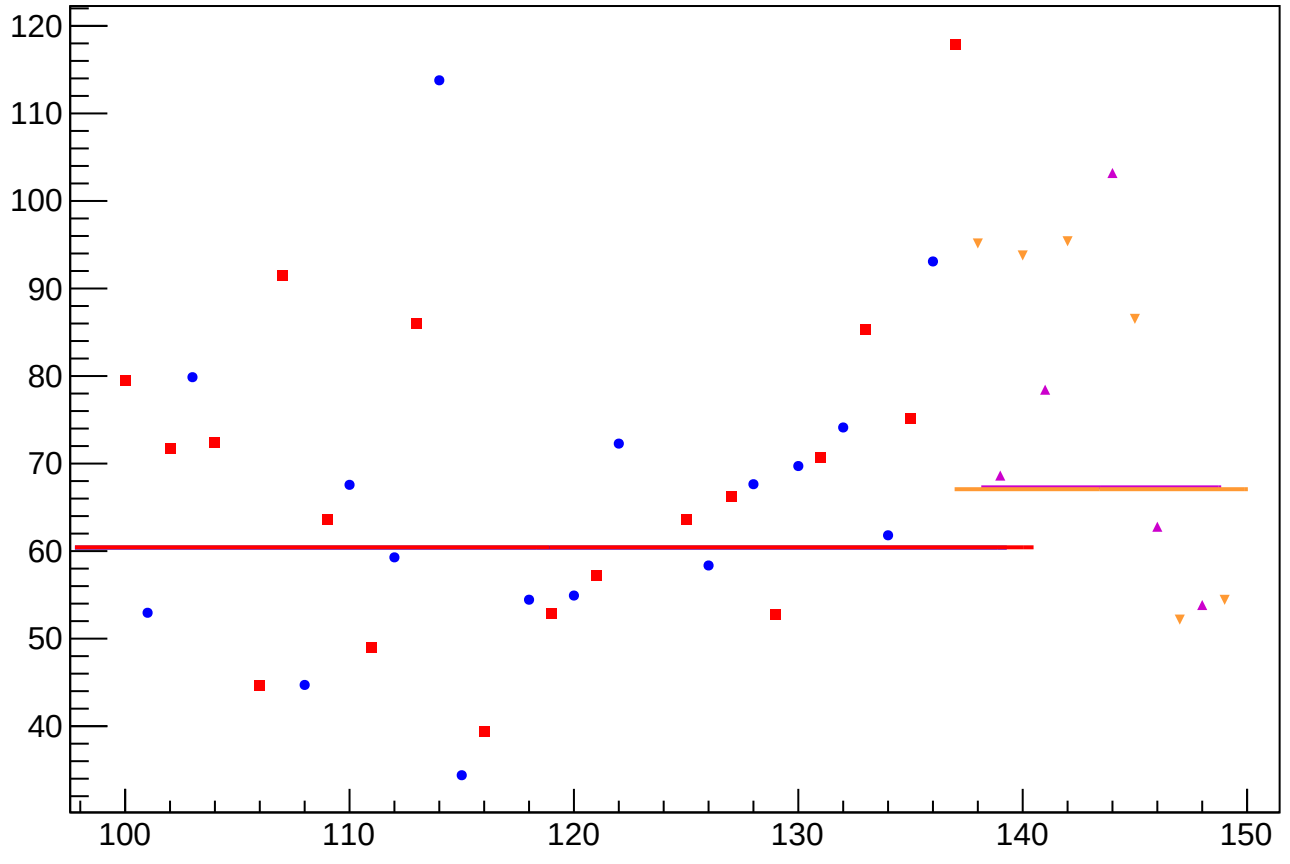
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.040+/-0.034 χ^2/NDF:14.0/4

\+ sign -0.005+/-0.019 χ^2/NDF: 29.3/21

All: 0.003+/-0.014 χ^2/NDF: 72.4/44

\- sign 0.011+/-0.019 χ^2/NDF: 42.8/22



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

Left Out: 67.072+/-0.024 χ^2/NDF:624725.9/5

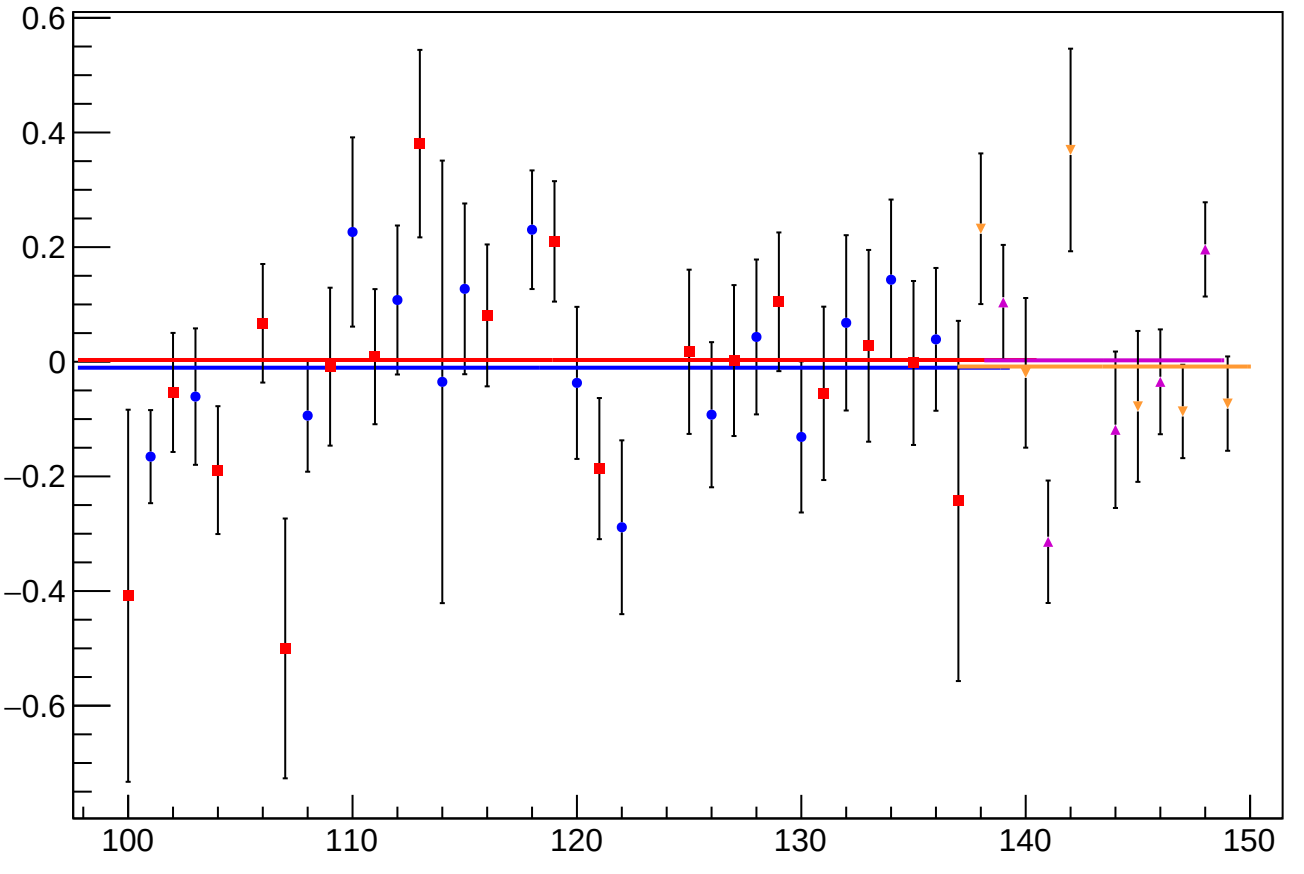
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

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

+ sign 62.641+/-0.014 χ^2/NDF: 1380432.1/21

All: 62.673+/-0.010 χ^2/NDF: 2502678.8/44

- 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: -0.008+/-0.045 χ^2/NDF:9.7/5

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

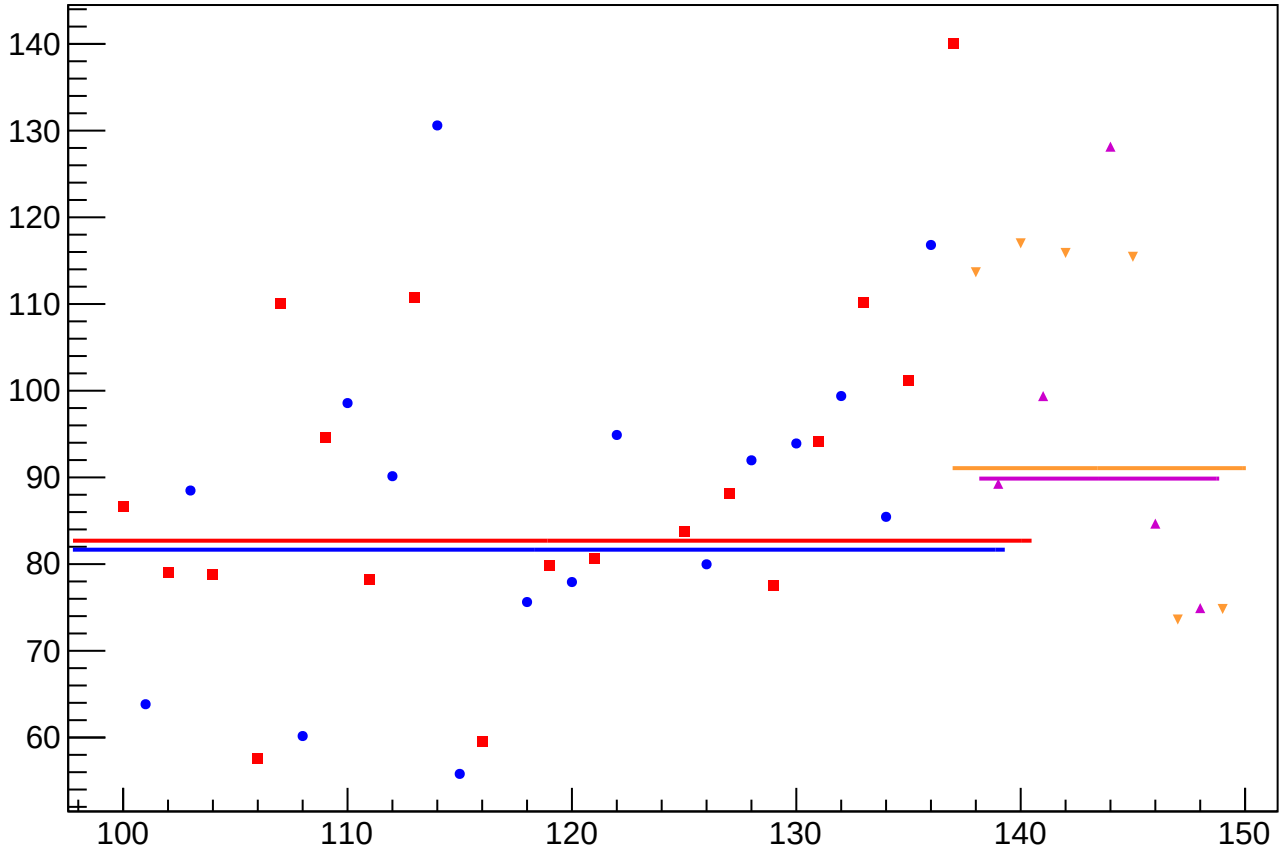
Left In: 0.002+/-0.044 χ^2/NDF:16.3/4

+ sign -0.010+/-0.026 χ^2/NDF: 29.9/21

All: -0.003+/-0.018 χ^2/NDF: 70.0/44

- 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: 91.068+/-0.031 χ^2/NDF:415894.0/5

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

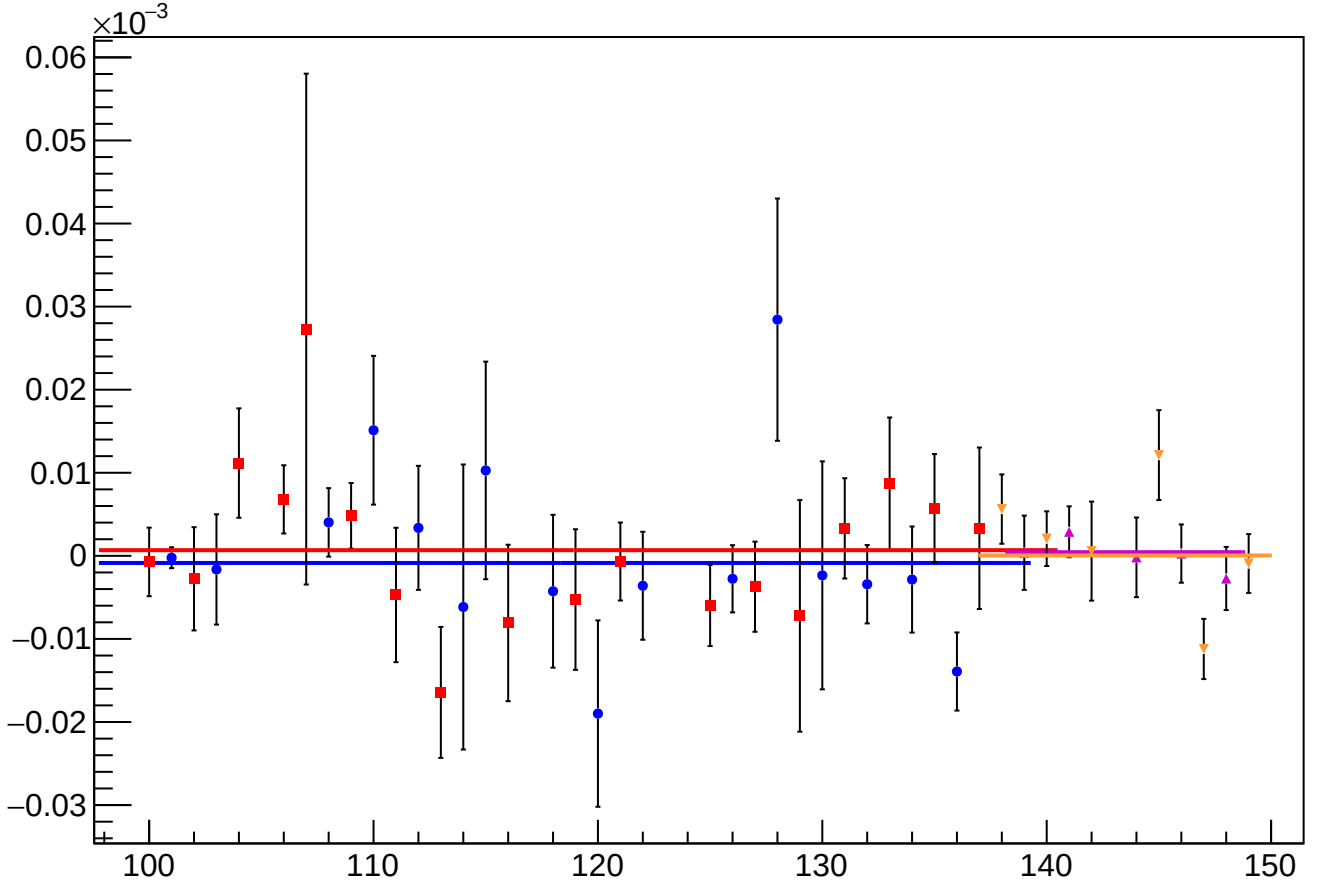
Left In: 89.864+/-0.031 χ^2/NDF:245835.2/4

+ sign 84.816+/-0.018 χ^2/NDF: 1037093.6/21

All: 84.972+/-0.013 χ^2/NDF: 1790645.6/44

- 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:16.9/5

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

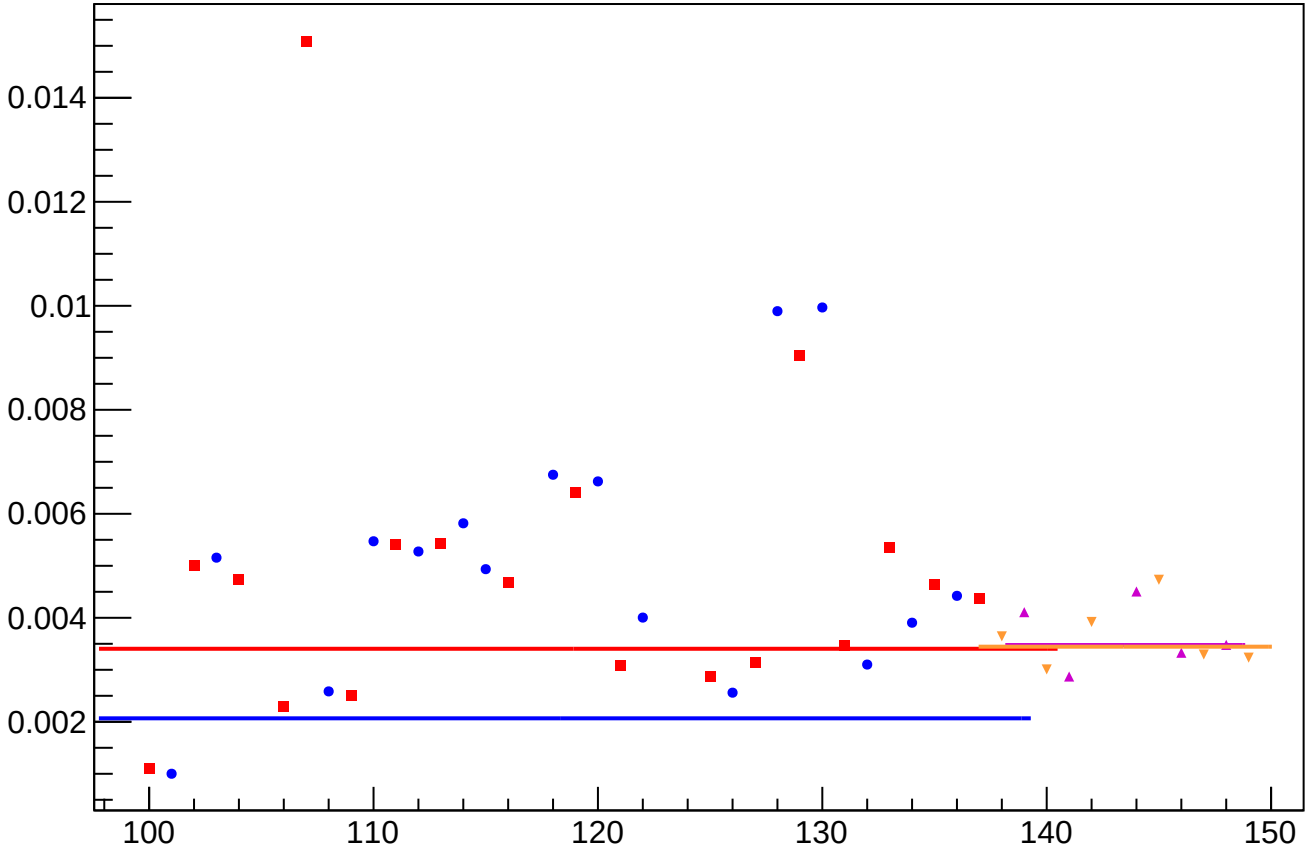
Left In: 0.000+/-0.000 χ^2/NDF:1.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 38.4/21

All: -0.000+/-0.000 χ^2/NDF: 58.9/44

- sign 0.000+/-0.000 χ^2/NDF: 19.7/22

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5813338.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:176257.3/5

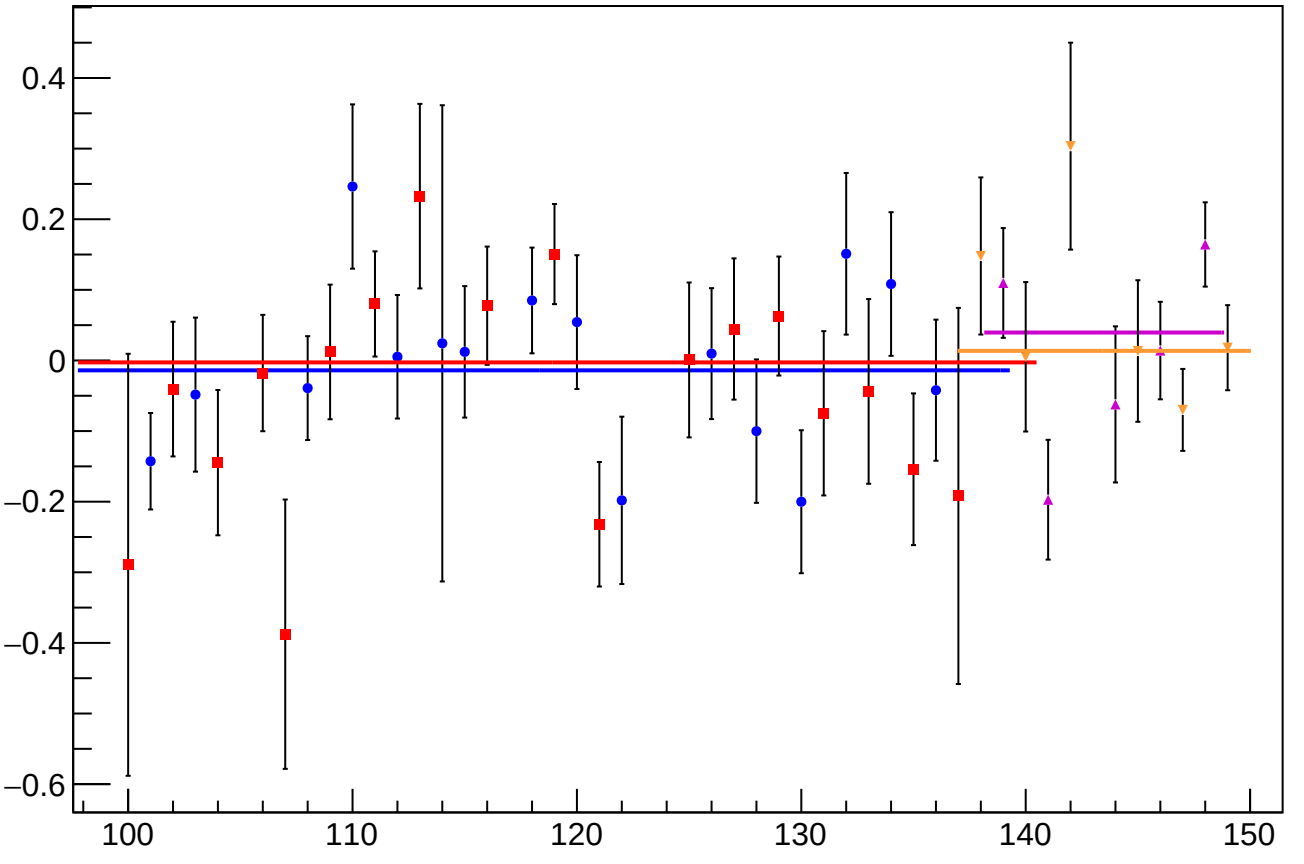
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:214169.3/4

+ sign 0.002+/-0.000 χ^2/NDF: 7006611.8/21

All: 0.003+/-0.000 χ^2/NDF: 10736698.6/44

- sign 0.003+/-0.000 χ^2/NDF: 2707589.7/22



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

Left Out: 0.014+/-0.034 χ^2/NDF:7.5/5

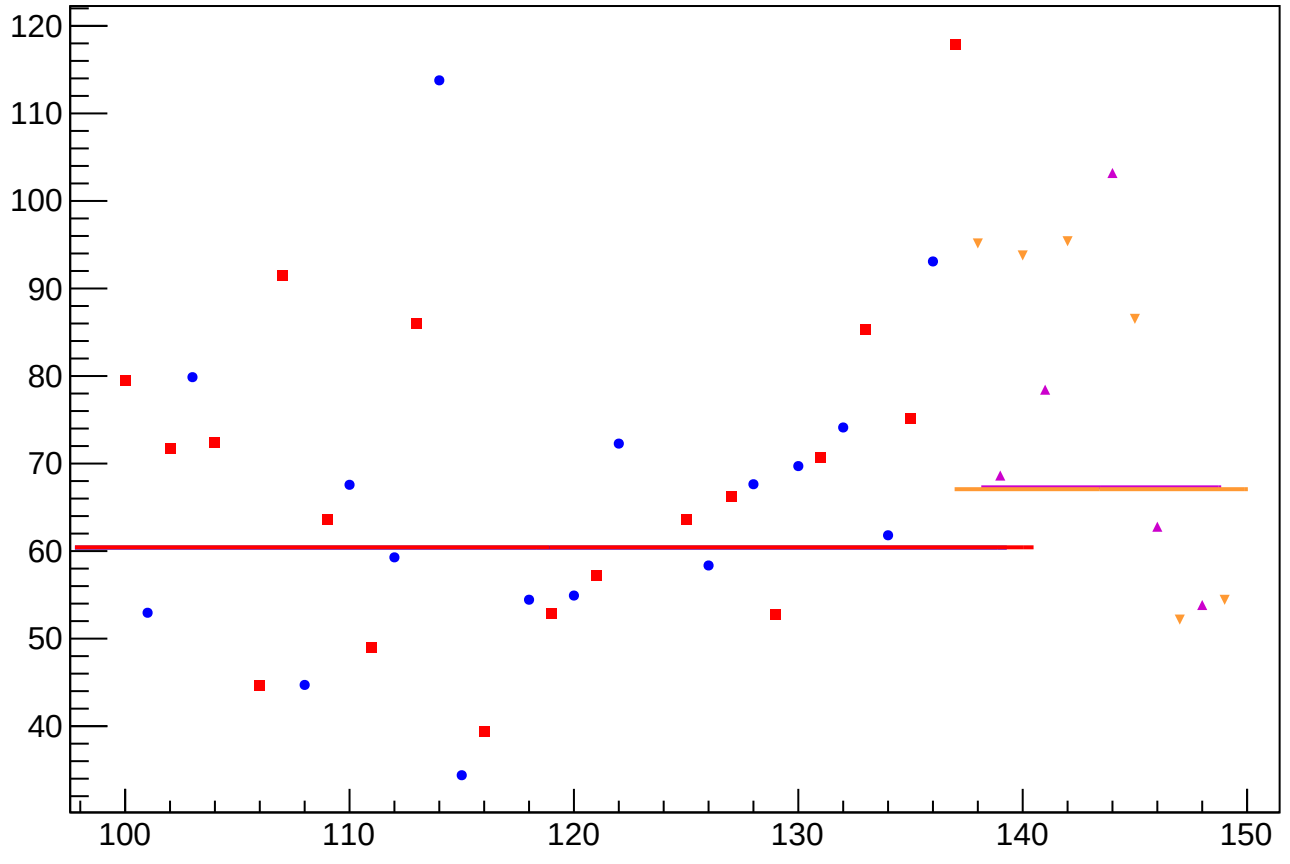
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.040+/-0.034 χ^2/NDF:14.0/4

\+ sign -0.005+/-0.019 χ^2/NDF: 29.3/21

All: 0.003+/-0.014 χ^2/NDF: 72.4/44

\- 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: 67.072+/-0.024 χ^2/NDF:624717.2/5

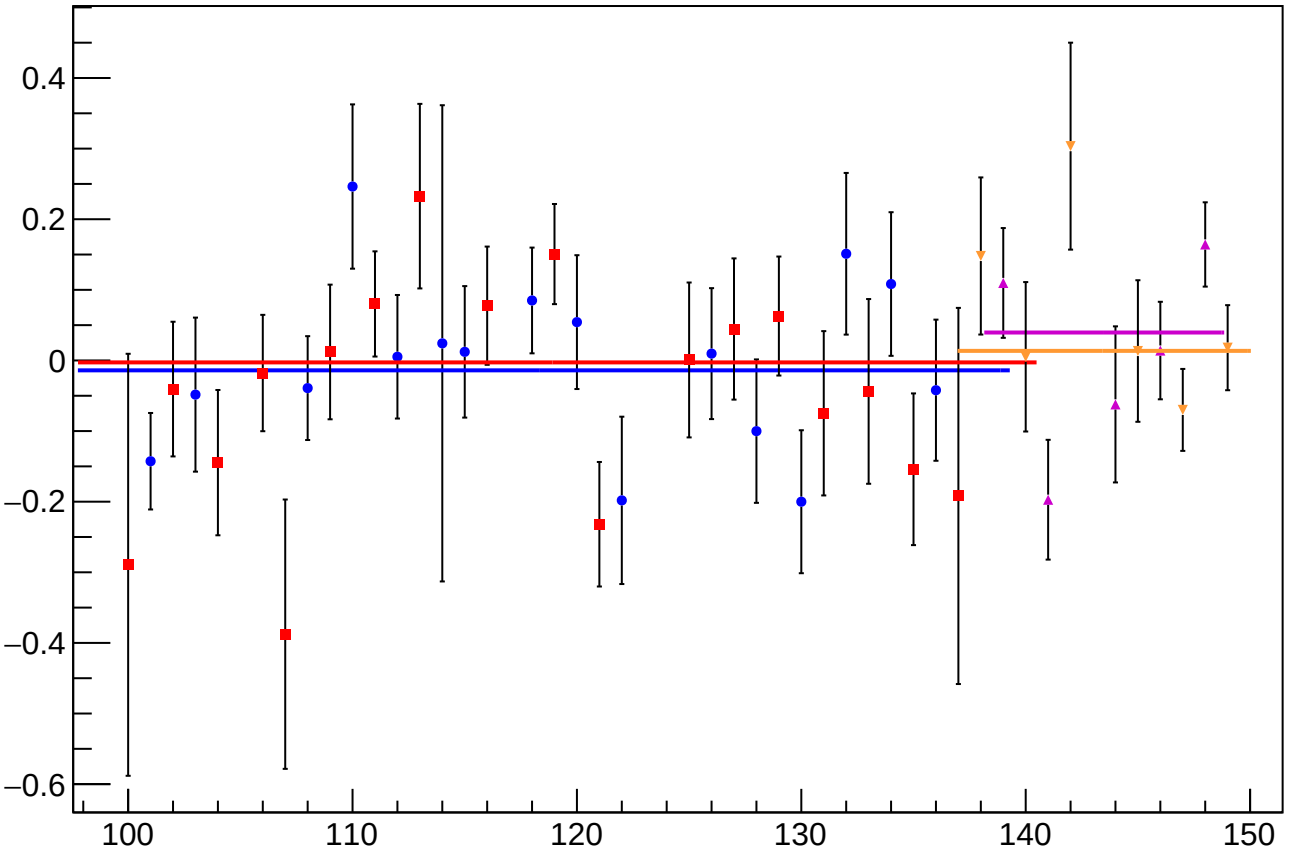
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

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

+ sign 62.640+/-0.014 χ^2/NDF: 1380462.9/21

All: 62.672+/-0.010 χ^2/NDF: 2502766.6/44

- 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: 0.014+/-0.034 χ^2/NDF:7.5/5

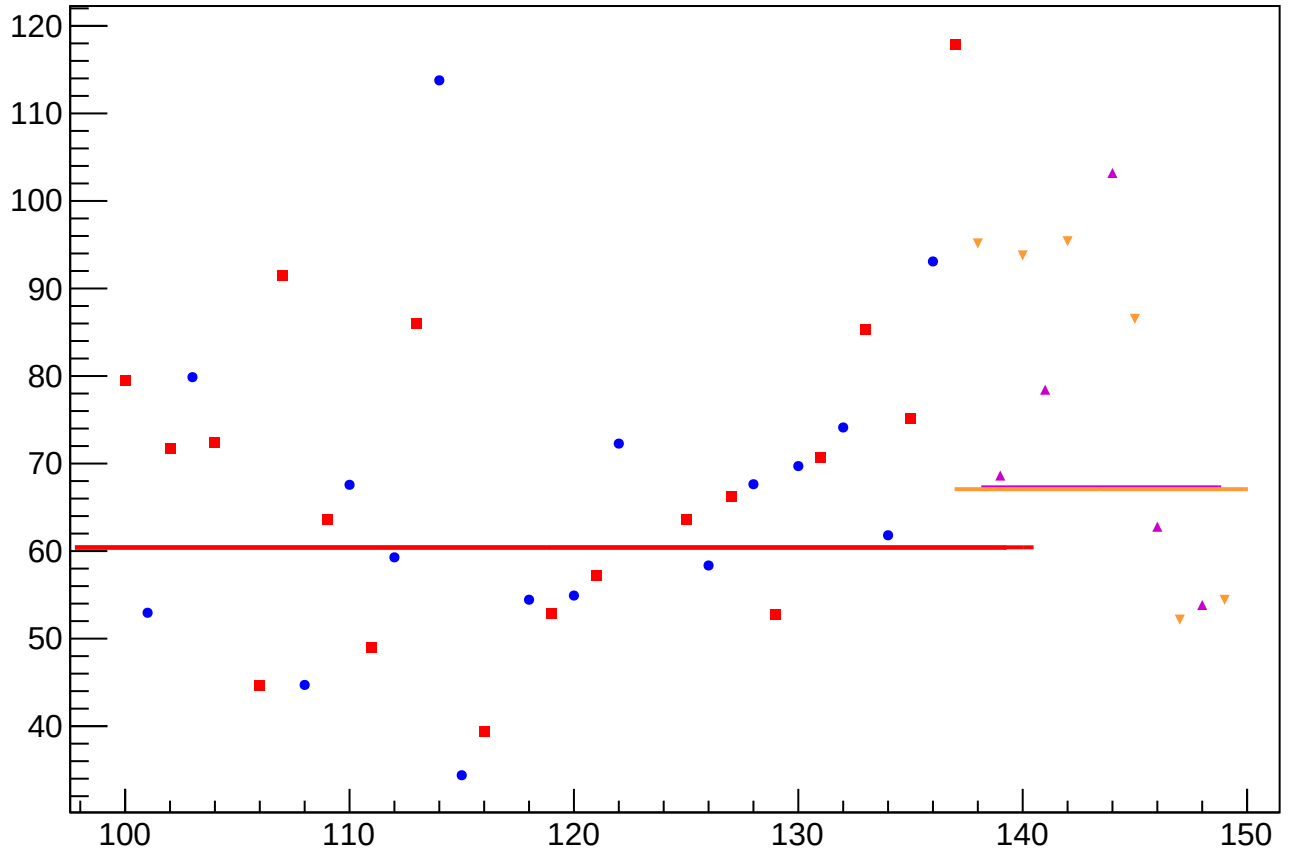
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.040+/-0.034 χ^2/NDF:14.0/4

\+ sign -0.005+/-0.019 χ^2/NDF: 29.3/21

All: 0.003+/-0.014 χ^2/NDF: 72.4/44

\- 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: 67.072+/-0.024 χ^2/NDF:624717.2/5

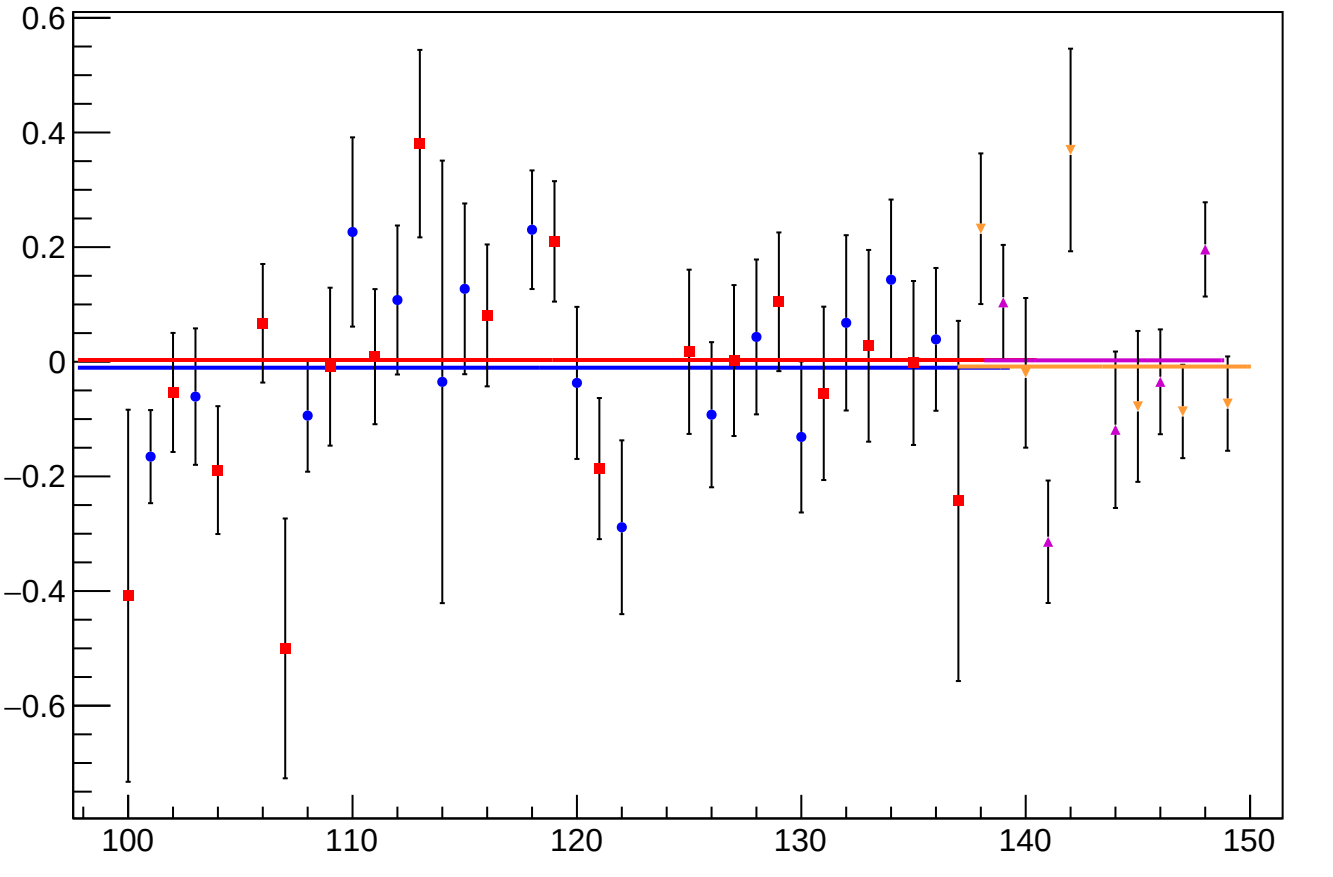
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

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

+ sign 62.640+/-0.014 χ^2/NDF: 1380462.9/21

All: 62.672+/-0.010 χ^2/NDF: 2502766.6/44

- 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: -0.008+/-0.045 χ^2/NDF:9.7/5

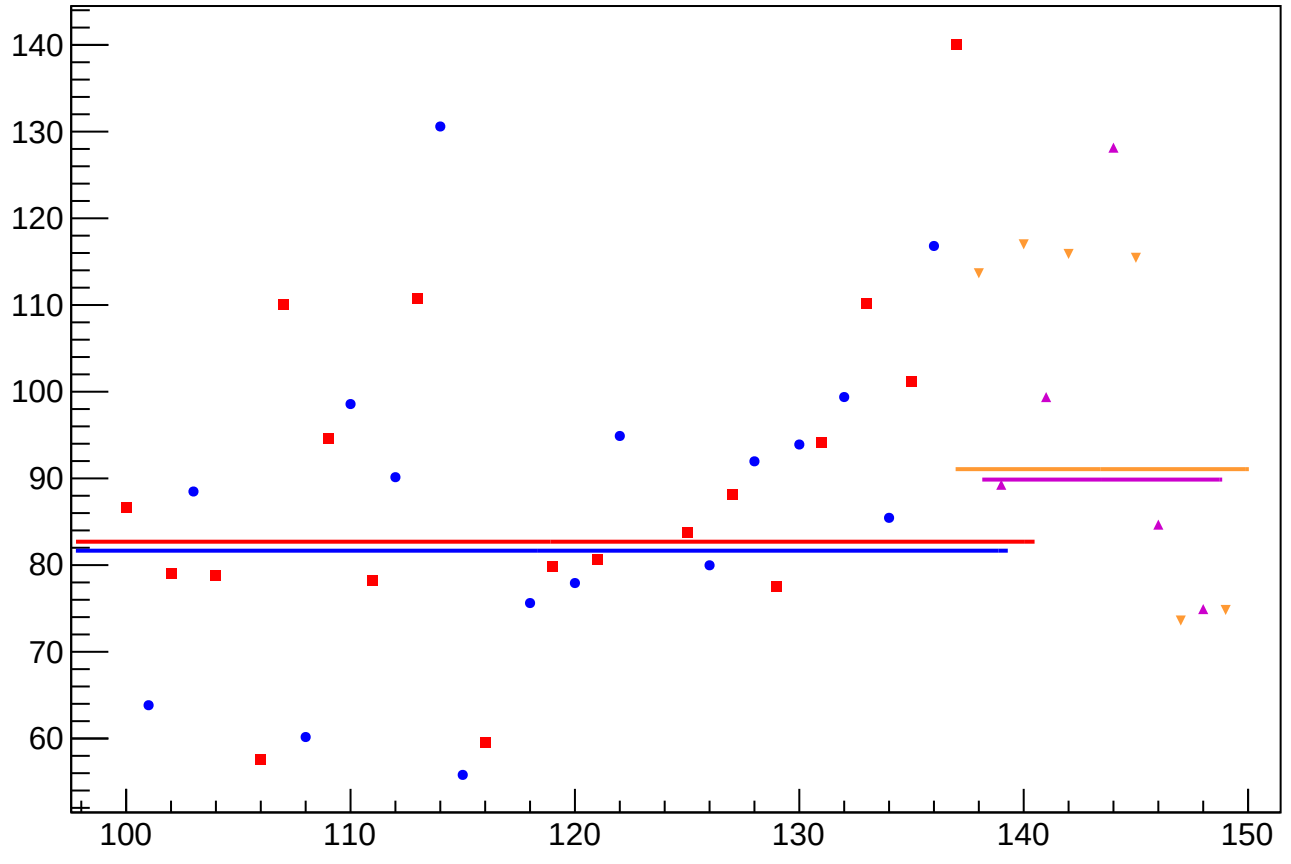
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: 0.002+/-0.044 χ^2/NDF:16.3/4

+ sign -0.010+/-0.026 χ^2/NDF: 29.9/21

All: -0.003+/-0.018 χ^2/NDF: 70.0/44

- 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: 91.068+/-0.031 χ^2/NDF:415888.9/5

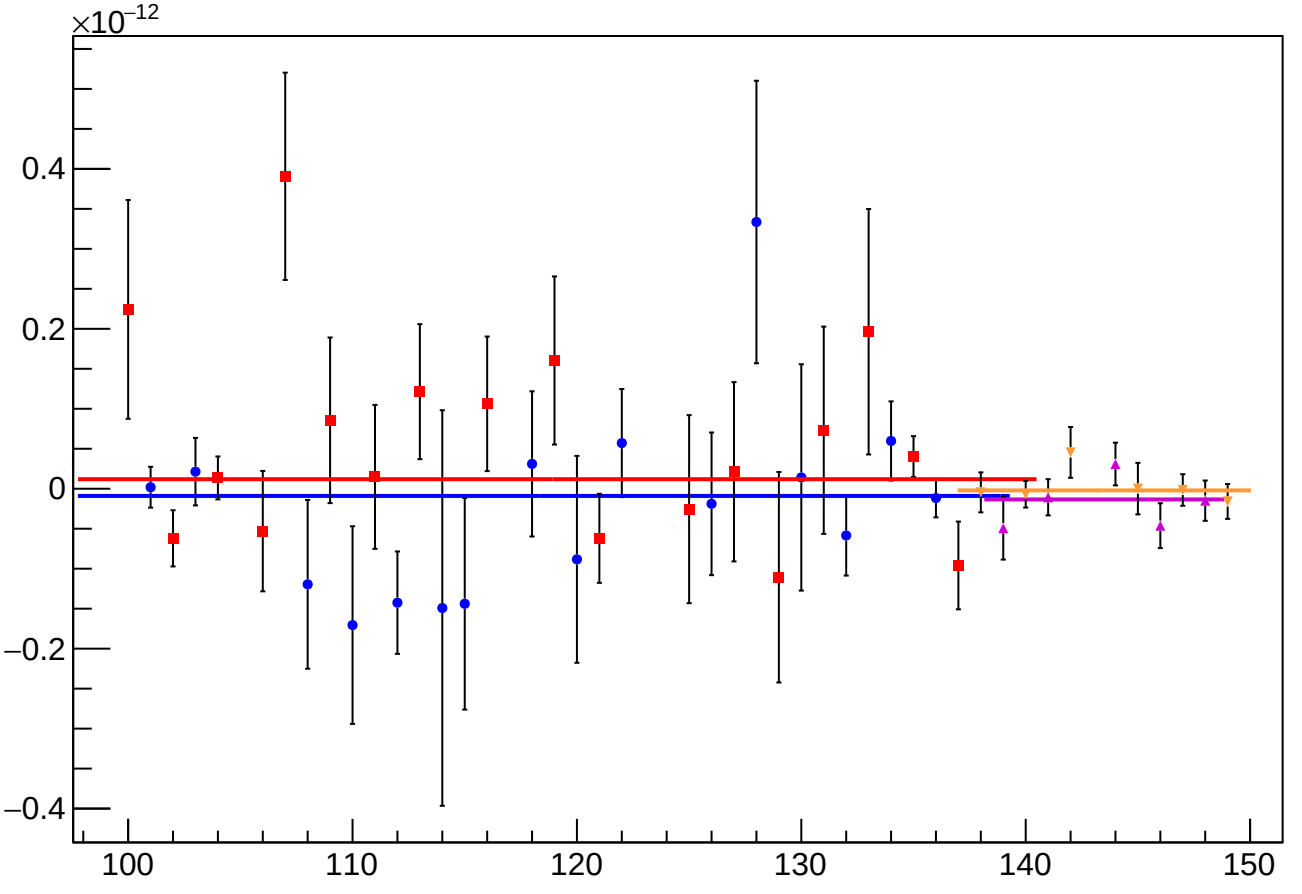
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

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

+ sign 84.815+/-0.018 χ^2/NDF: 1037089.9/21

All: 84.971+/-0.013 χ^2/NDF: 1790649.3/44

- 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:2.7/5

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

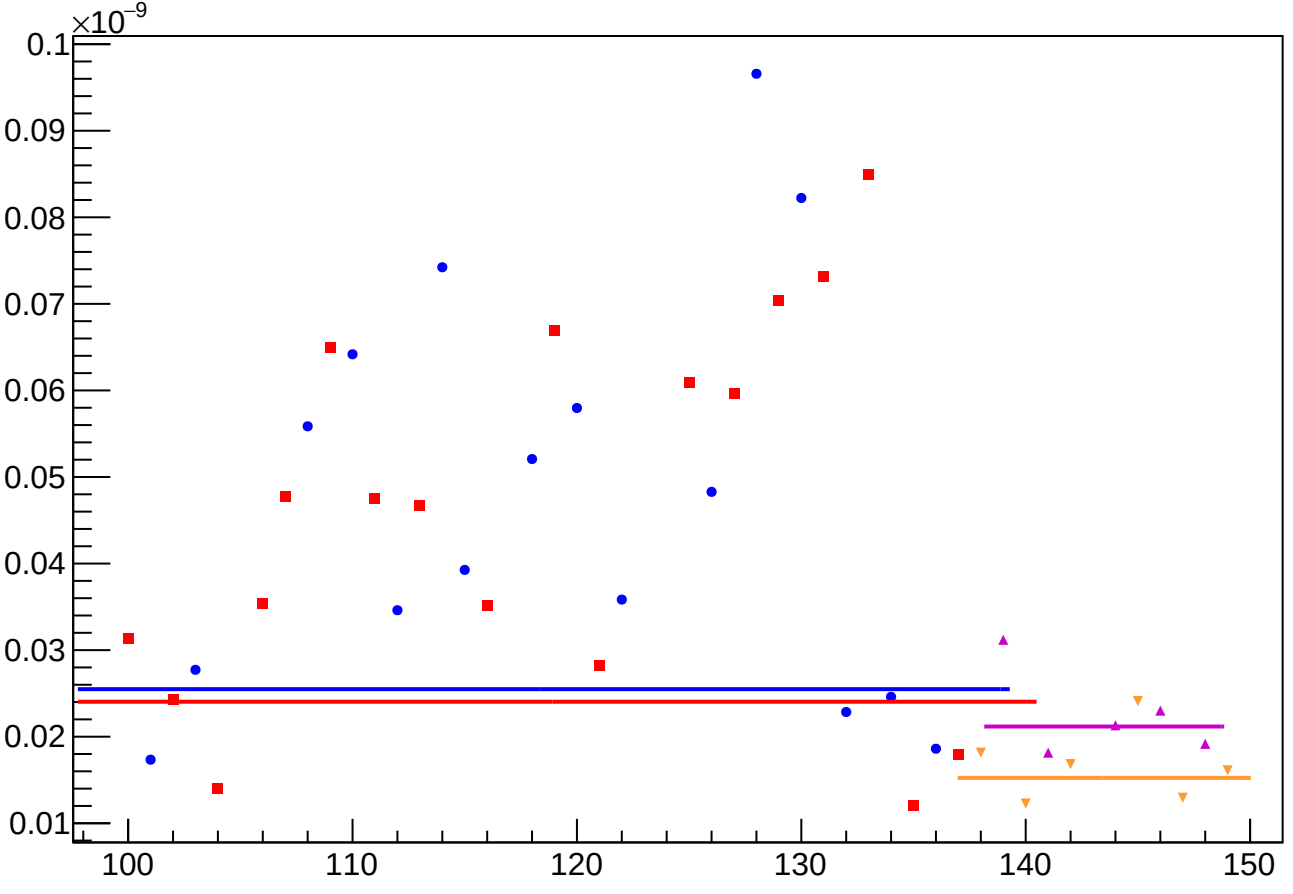
Left In: -0.000+/-0.000 χ^2/NDF:5.0/4

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

All: -0.000+/-0.000 χ^2/NDF: 58.4/44

- 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:277568.1/5

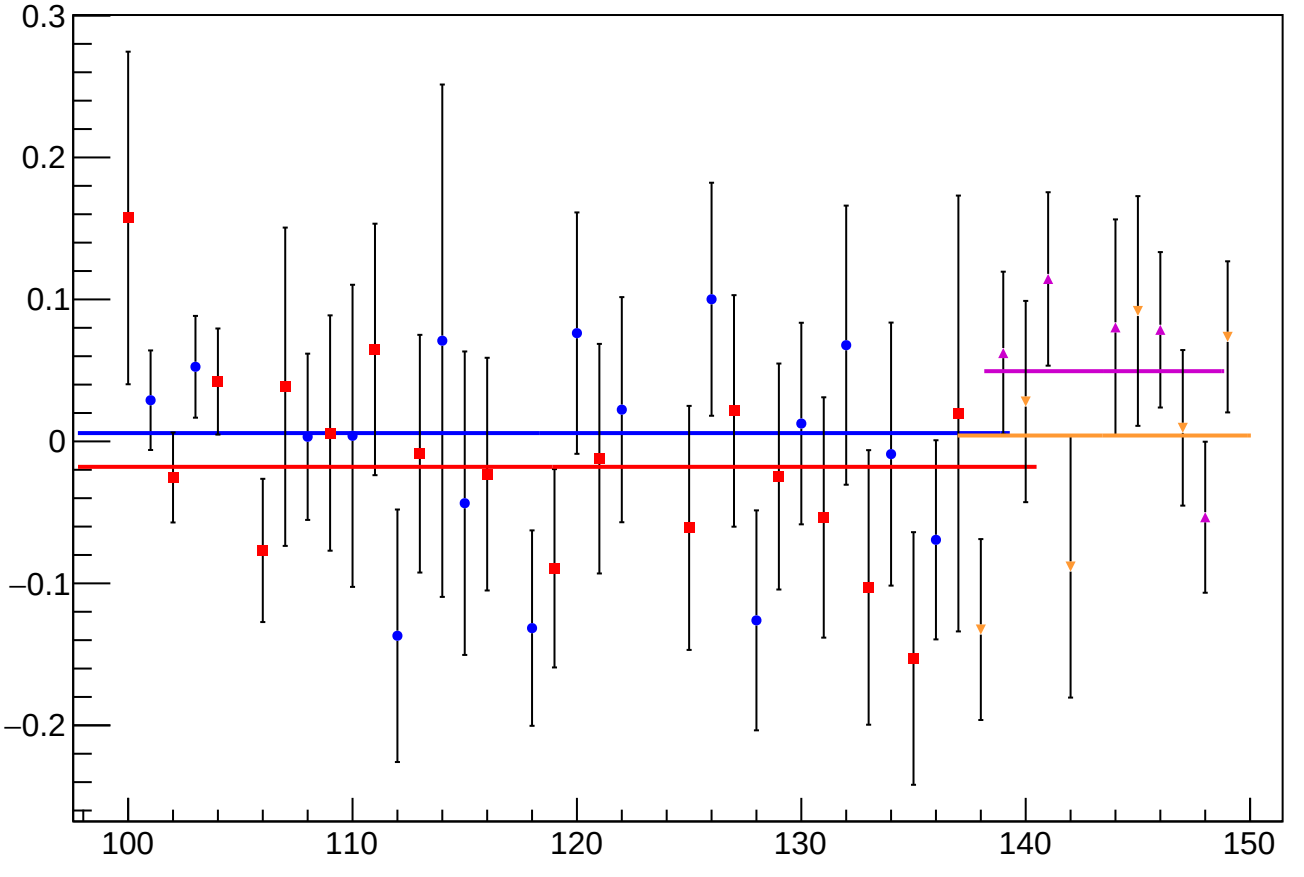
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

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

+ sign 0.000+/-0.000 χ^2/NDF: 3084998.8/21

All: 0.000+/-0.000 χ^2/NDF: 6626609.9/44

- 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: 0.004+/-0.027 χ^2/NDF:8.6/5

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

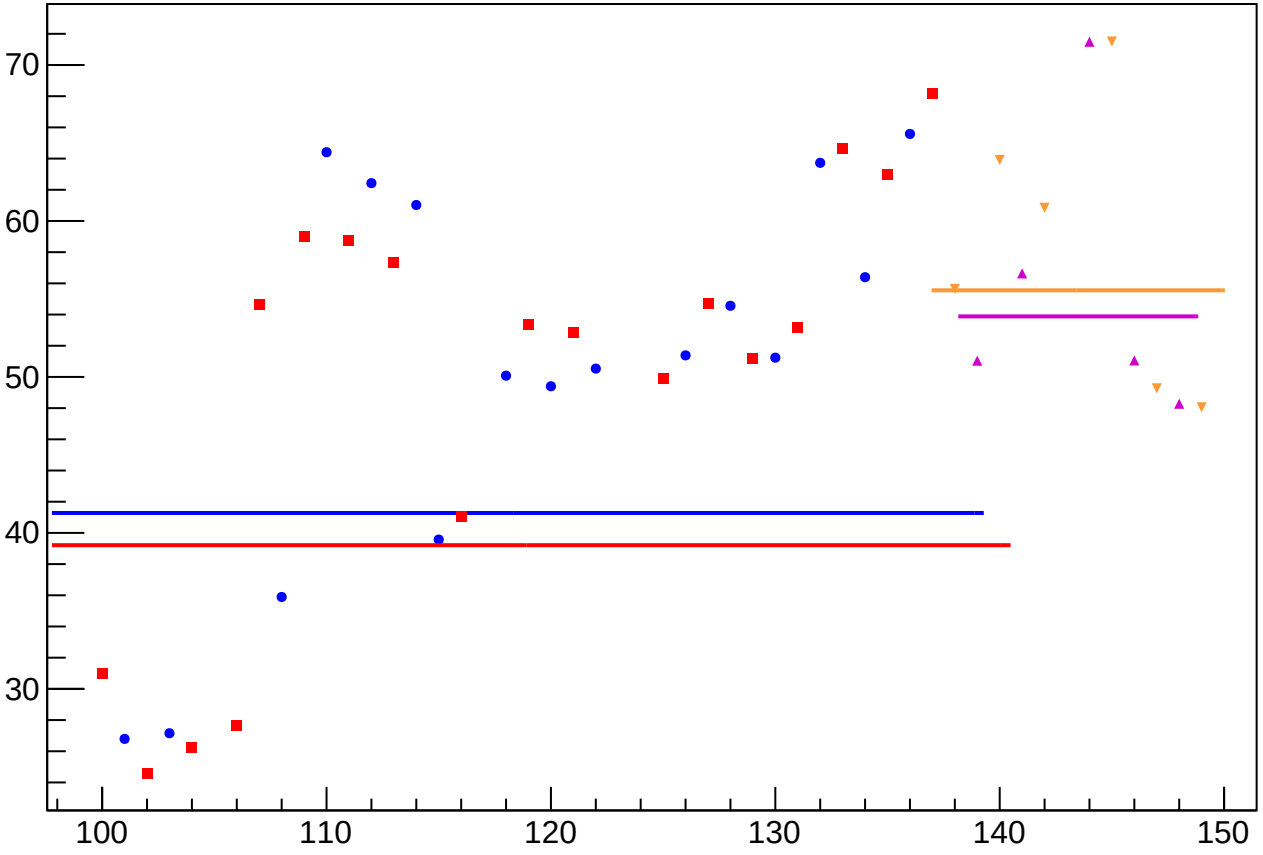
Left In: 0.049+/-0.026 χ^2/NDF:5.4/4

+ sign 0.005+/-0.014 χ^2/NDF: 24.2/21

All: 0.002+/-0.010 χ^2/NDF: 46.8/44

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

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 55.555+/-0.019 χ^2/NDF:178217.5/5

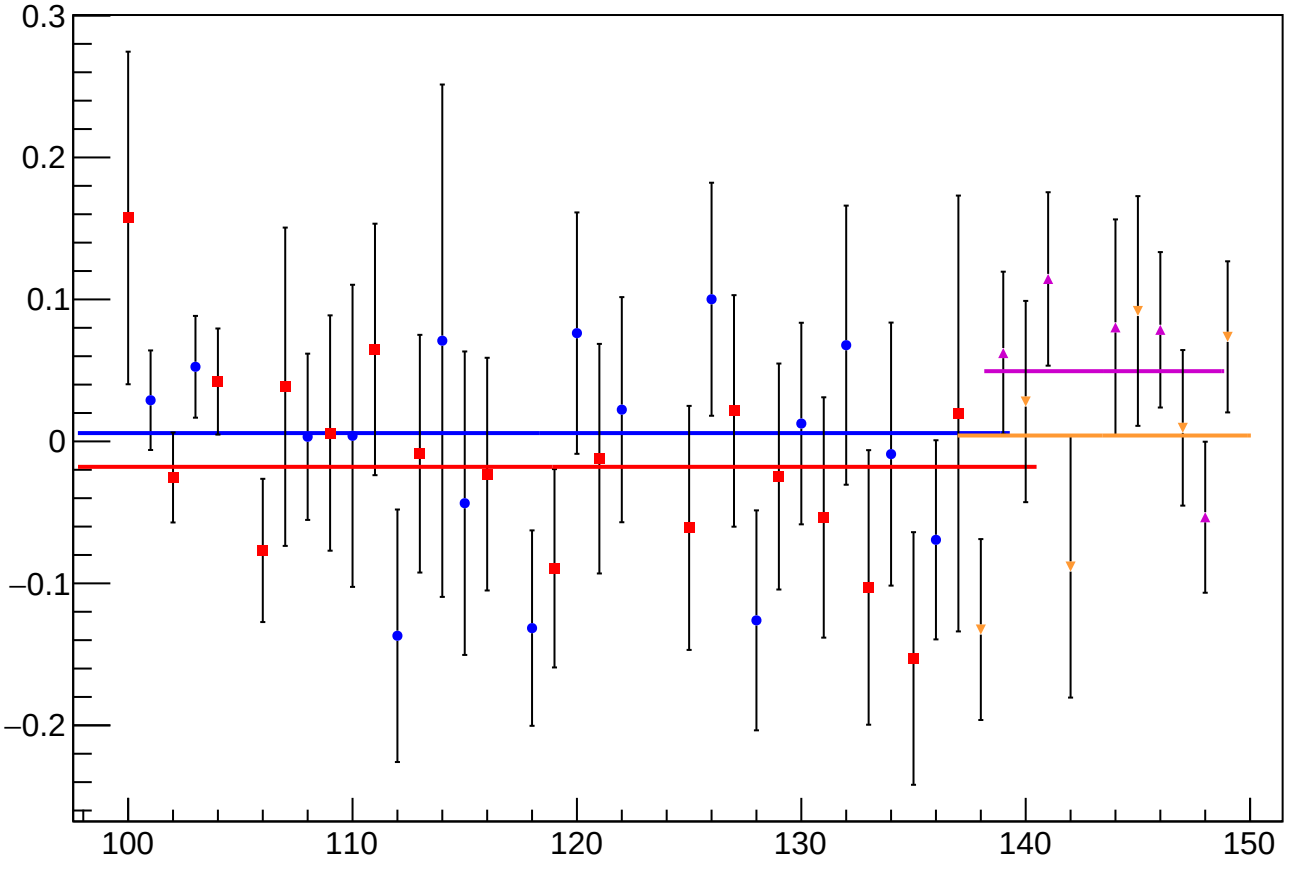
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

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

+ sign 45.229+/-0.010 χ^2/NDF: 2096775.8/21

All: 44.099+/-0.007 χ^2/NDF: 4540561.9/44

- 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: 0.004+/-0.027 χ^2/NDF:8.6/5

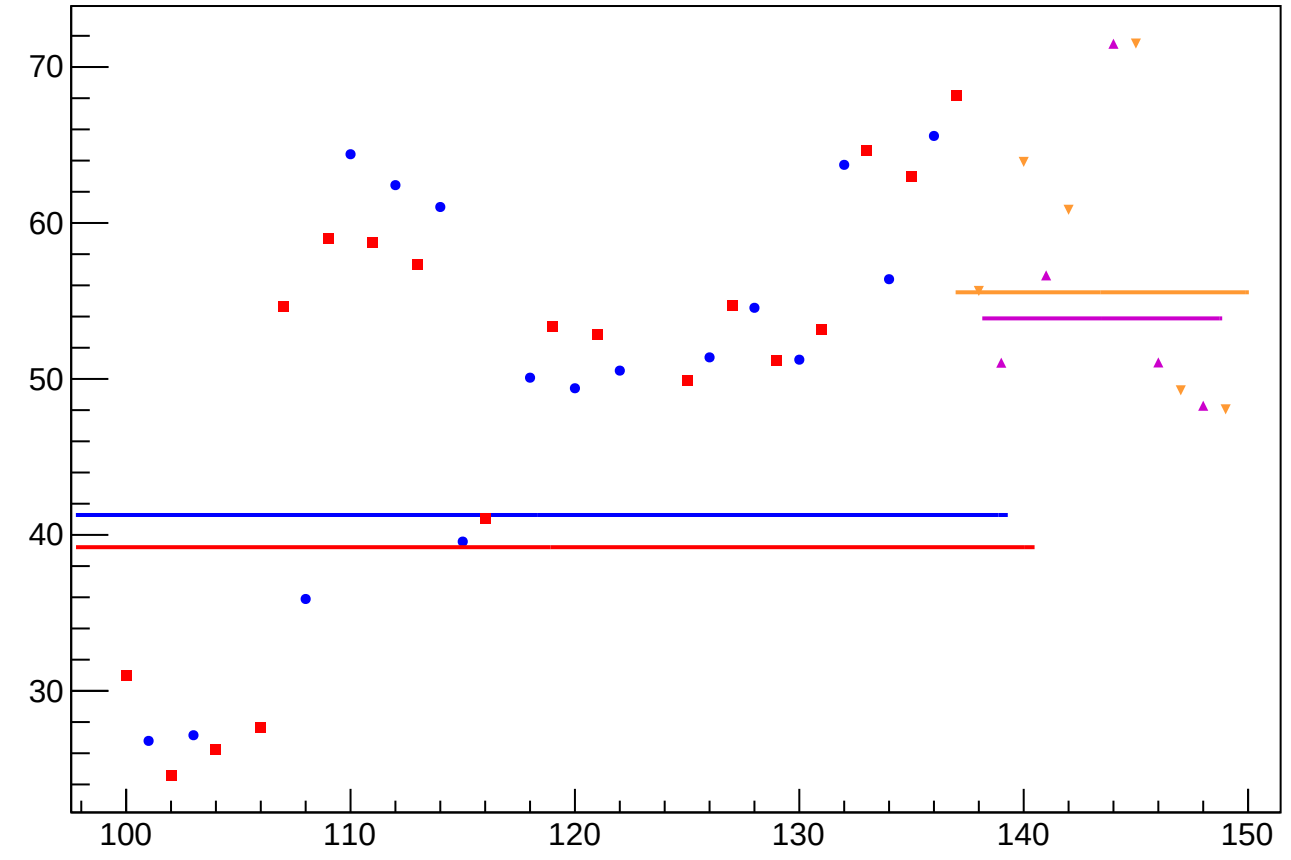
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.049+/-0.026 χ^2/NDF:5.4/4

+ sign 0.005+/-0.014 χ^2/NDF: 24.2/21

All: 0.002+/-0.010 χ^2/NDF: 46.8/44

- 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: 55.555+/-0.019 χ^2/NDF:178217.5/5

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

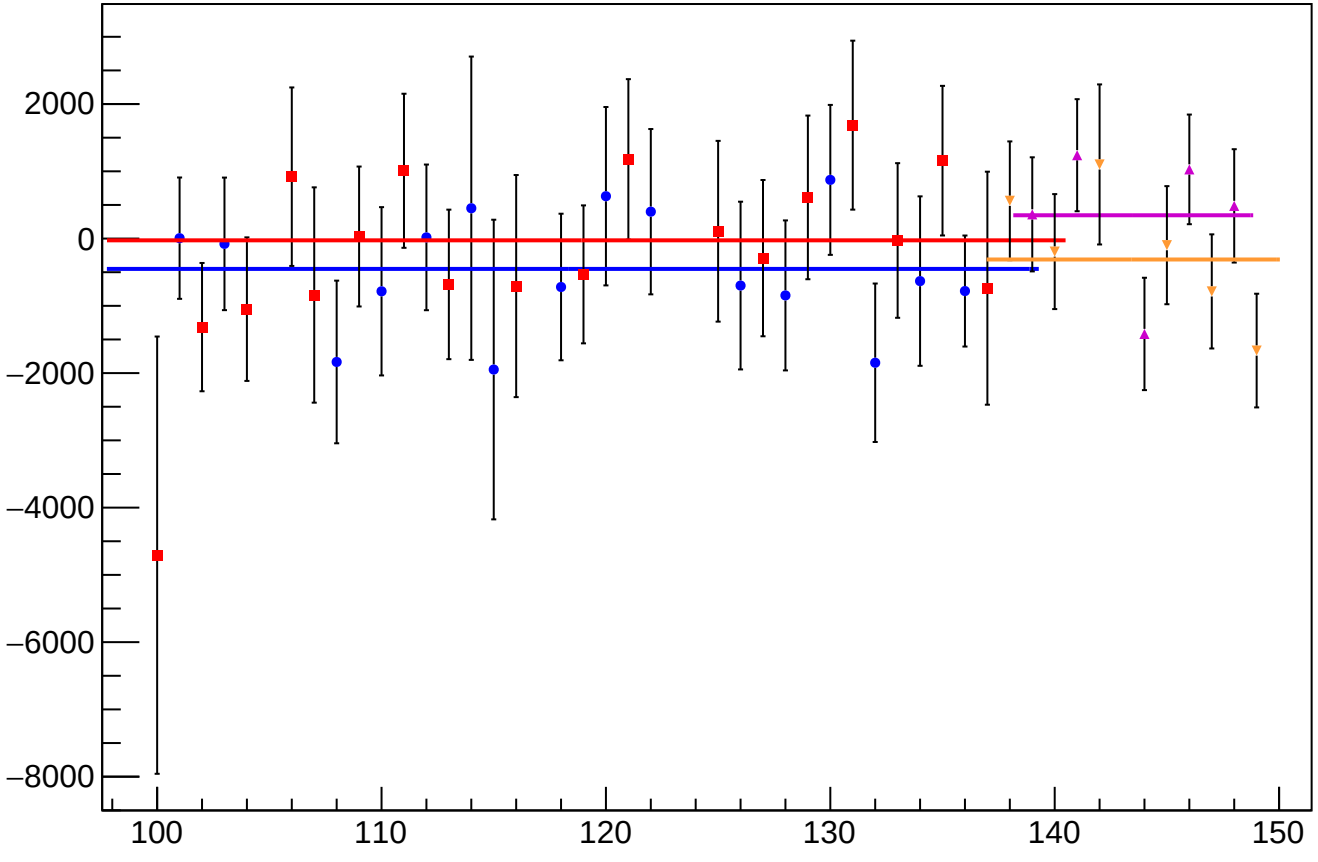
Left In: 53.882+/-0.019 χ^2/NDF:143757.2/4

+ sign 45.229+/-0.010 χ^2/NDF: 2096775.8/21

All: 44.099+/-0.007 χ^2/NDF: 4540561.9/44

- 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: -310.978+/-366.481 χ^2/NDF:5.3/5

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

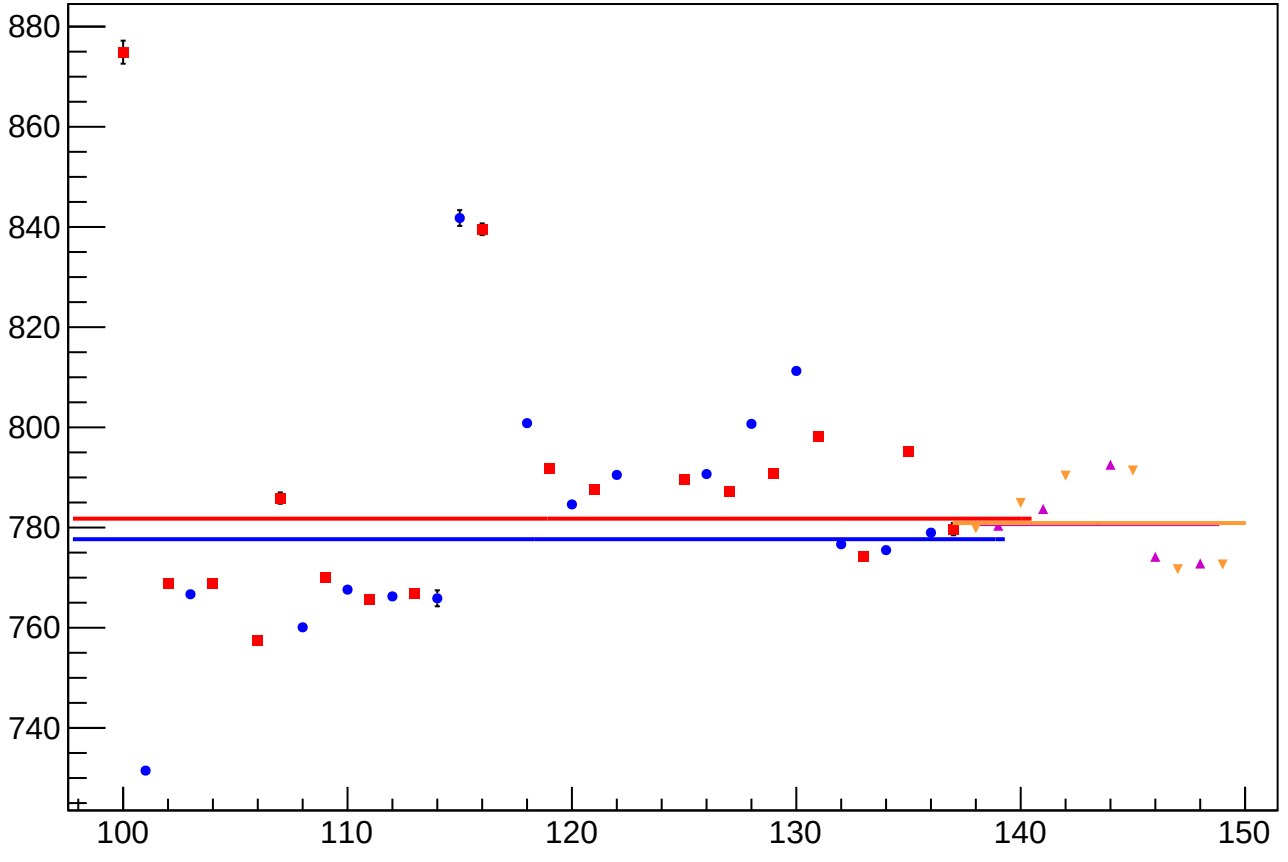
Left In: 346.589+/-373.241 χ^2/NDF:6.3/4

+ sign -397.294+/-226.906 χ^2/NDF: 12.4/21

All: -143.415+/-160.850 χ^2/NDF: 33.5/44

- 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: 780.897+/-0.259 χ^2/NDF:886.7/5

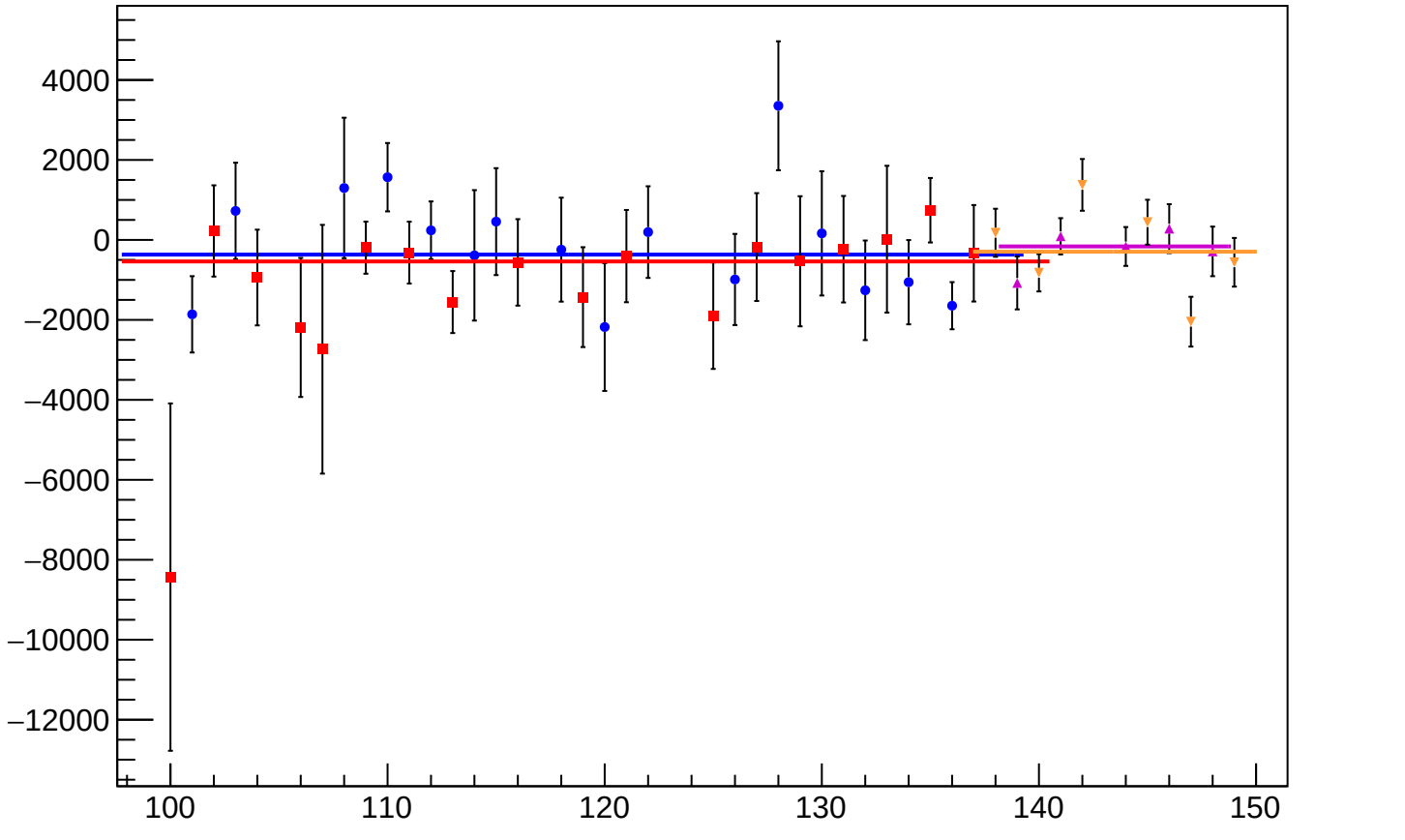
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

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

+ sign 778.910+/-0.160 χ^2/NDF: 13037.5/21

All: 780.134+/-0.114 χ^2/NDF: 21522.7/44

- 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: -294.503+/-234.483 χ^2/NDF:18.4/5

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

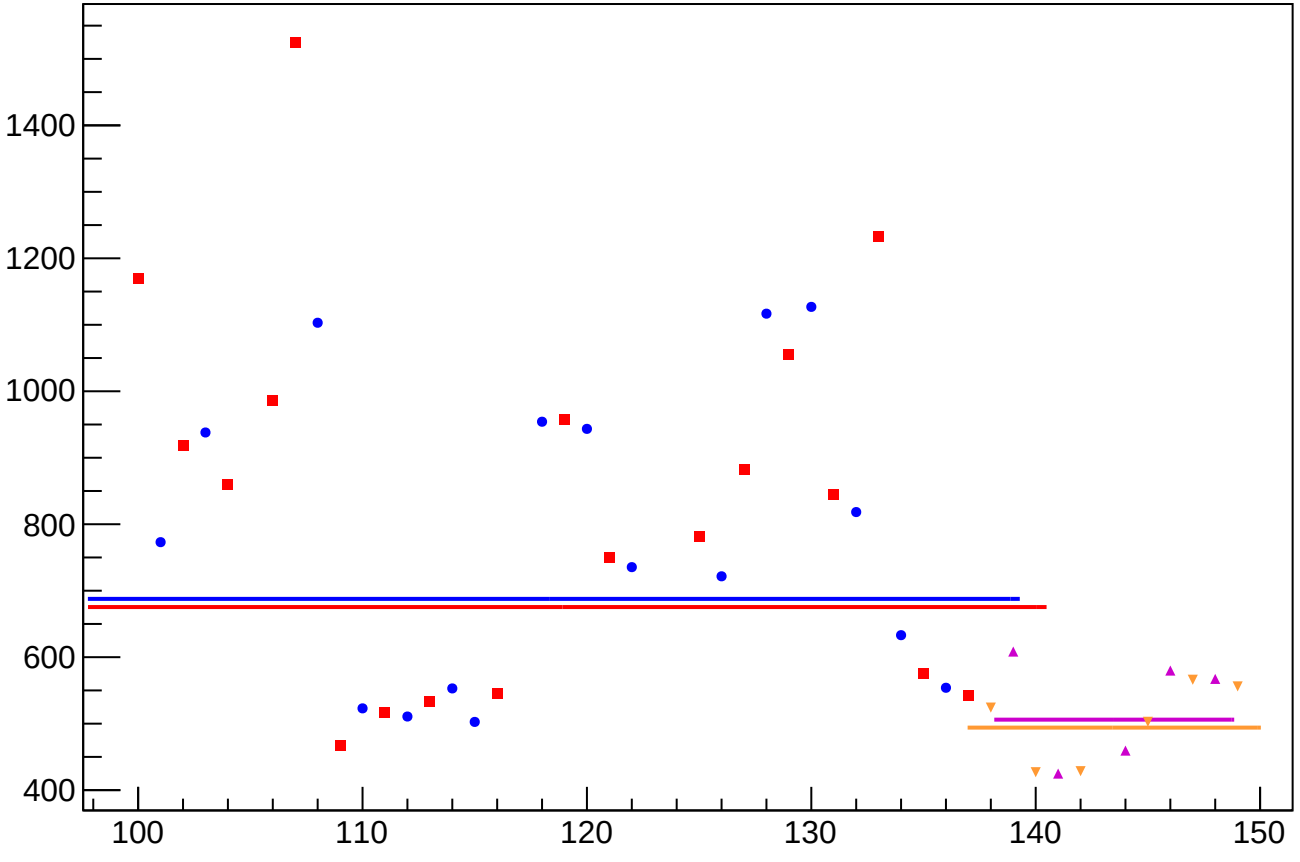
Left In: -162.606+/-245.126 χ^2/NDF:2.8/4

\+ sign -326.115+/-176.099 χ^2/NDF: 41.7/21

All: -331.751+/-125.633 χ^2/NDF: 57.3/44

\- 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: 494.062+/-0.166 χ^2/NDF:114736.4/5

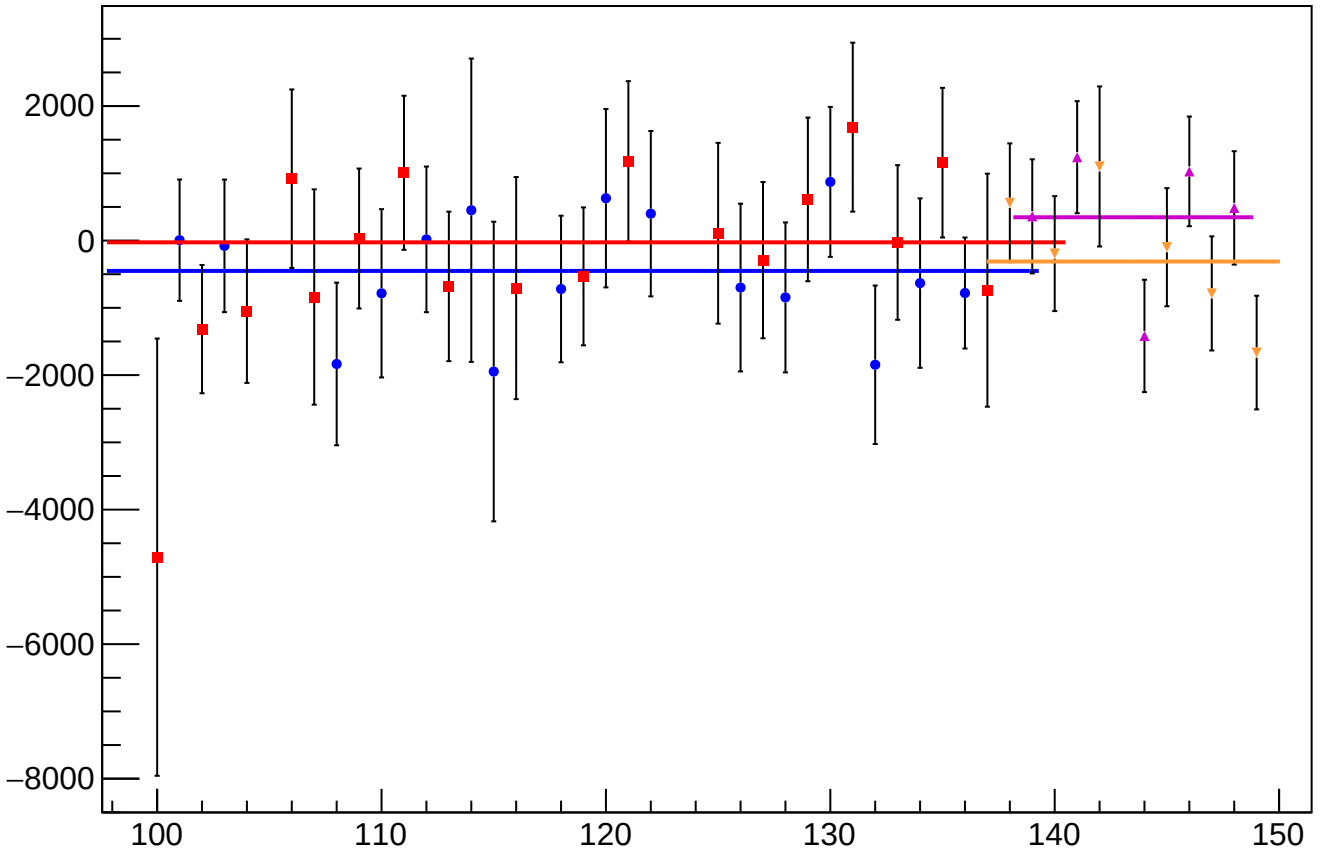
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

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

+ sign 578.493+/-0.125 χ^2/NDF: 1741397.2/21

All: 581.591+/-0.089 χ^2/NDF: 3678600.5/44

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



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

Left Out: -310.978+/-366.481 χ^2/NDF:5.3/5

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

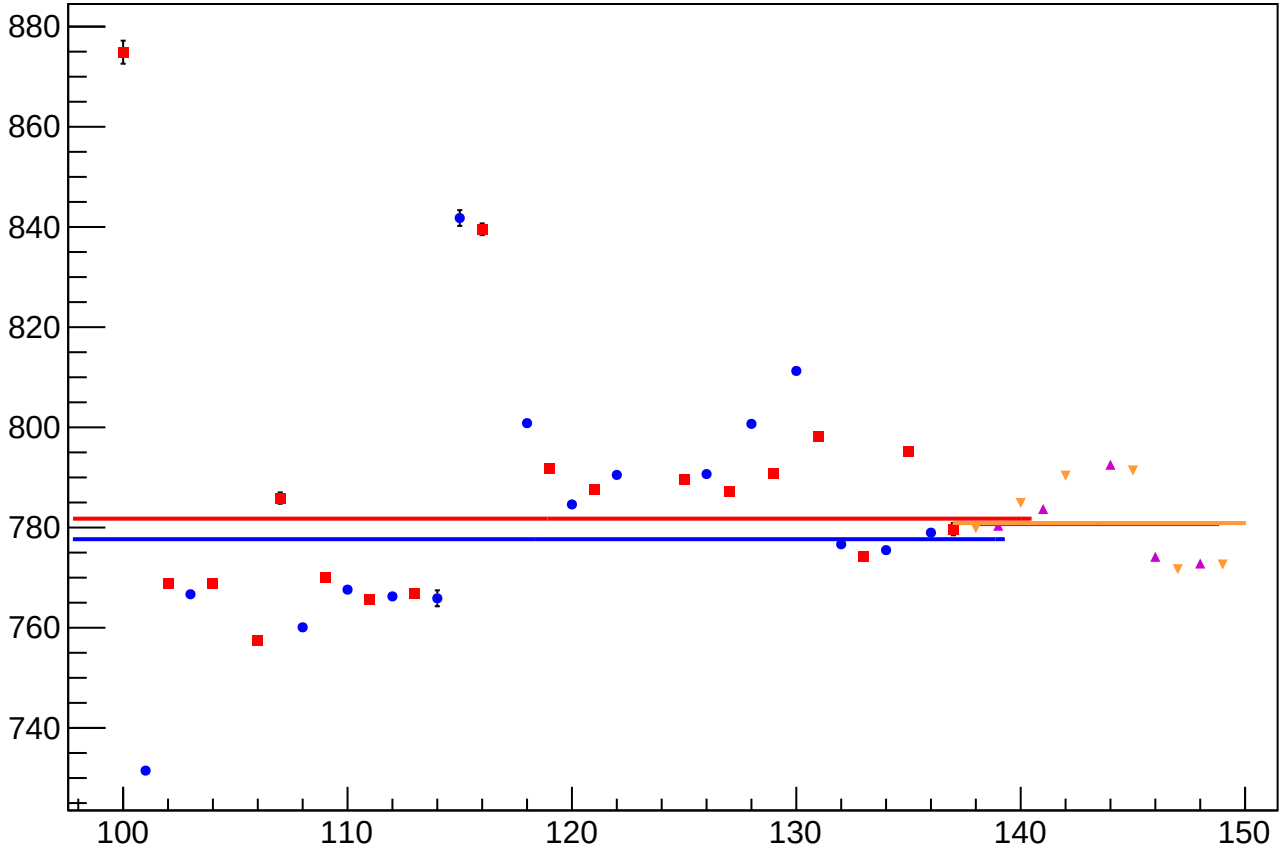
Left In: 346.589+/-373.241 χ^2/NDF:6.3/4

+ sign -397.294+/-226.906 χ^2/NDF: 12.4/21

All: -143.415+/-160.850 χ^2/NDF: 33.5/44

- 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: 780.897+/-0.259 χ^2/NDF:886.7/5

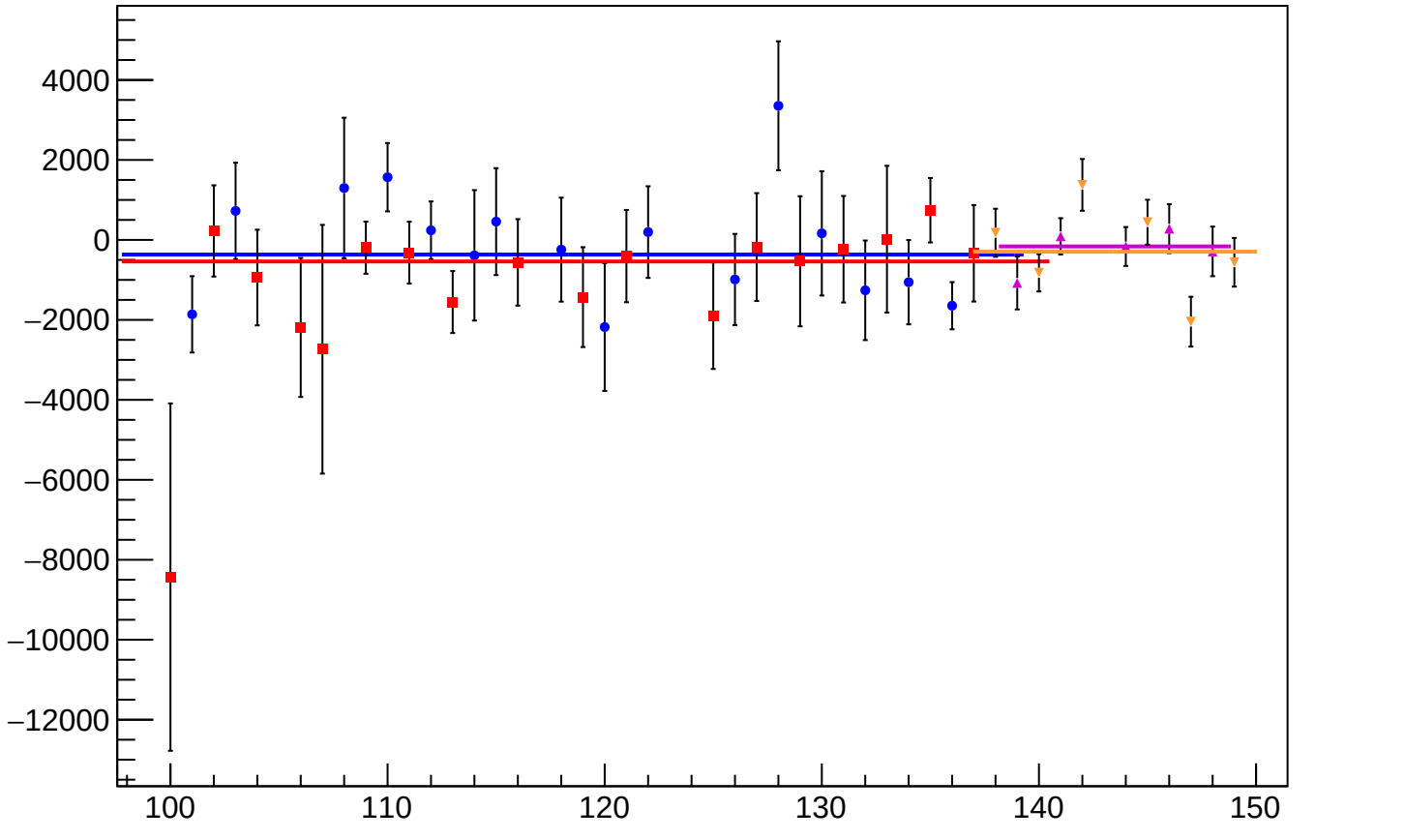
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

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

+ sign 778.910+/-0.160 χ^2/NDF: 13037.5/21

All: 780.134+/-0.114 χ^2/NDF: 21522.7/44

- 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: -294.503+/-234.483 χ^2/NDF:18.4/5

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

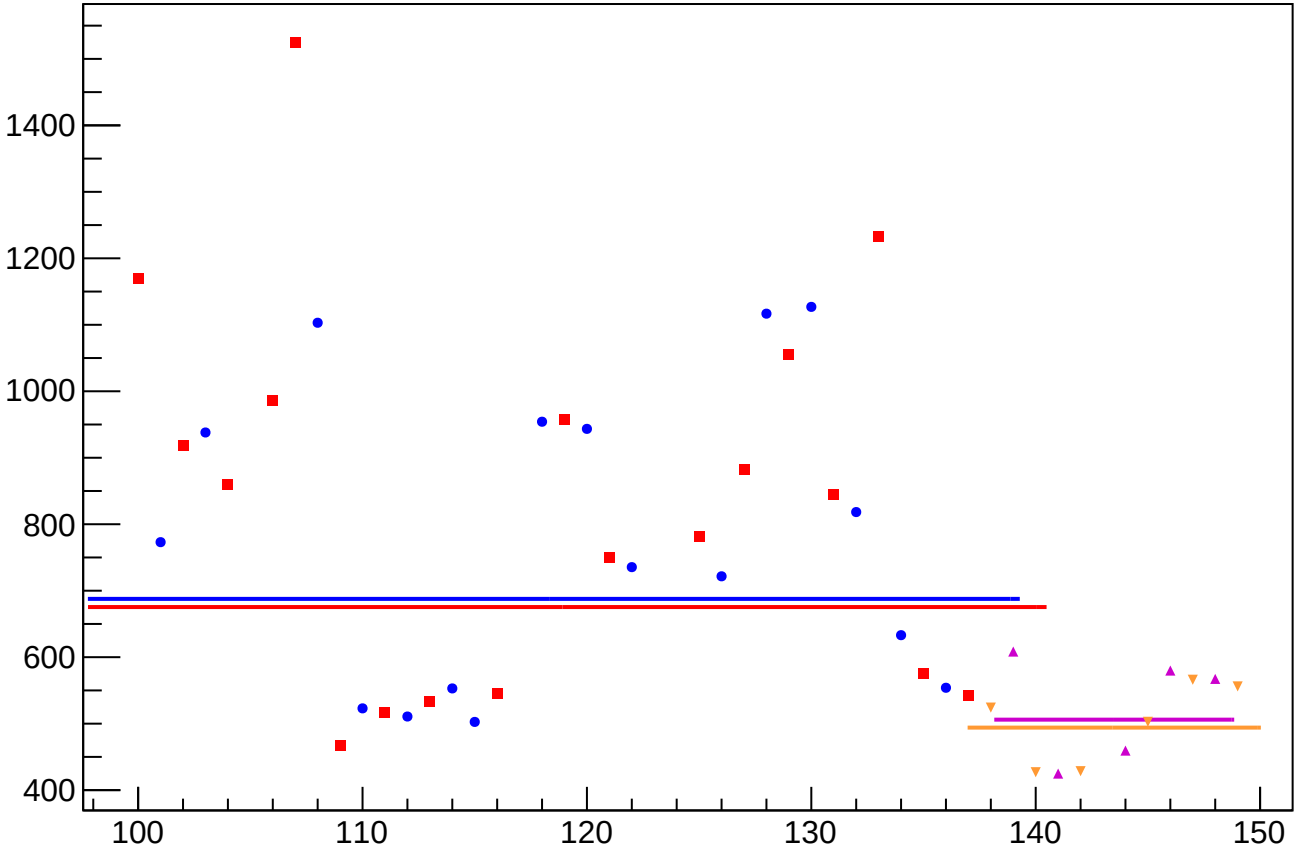
Left In: -162.606+/-245.126 χ^2/NDF:2.8/4

\+ sign -326.115+/-176.099 χ^2/NDF: 41.7/21

All: -331.751+/-125.633 χ^2/NDF: 57.3/44

\- 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: 494.062+/-0.166 χ^2/NDF:114736.4/5

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

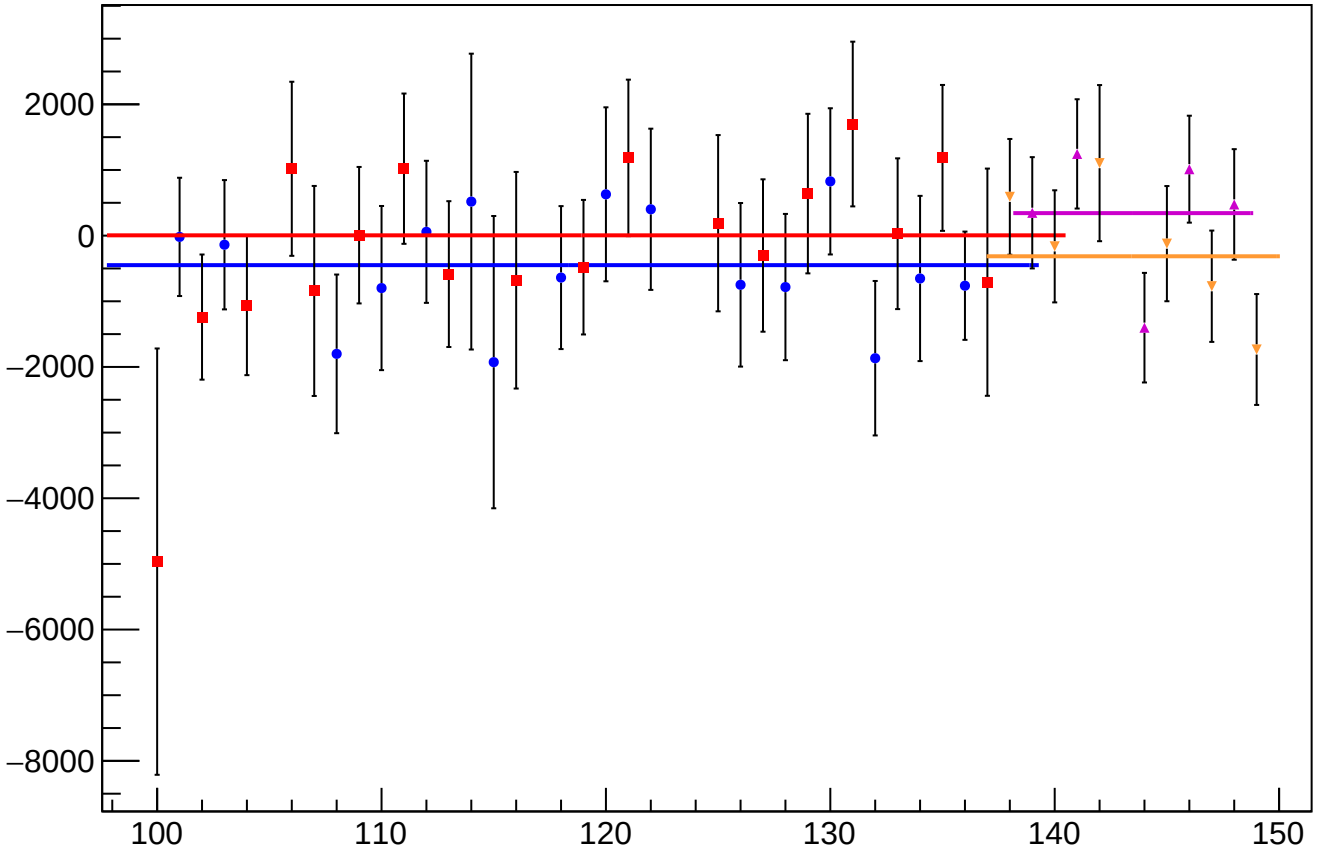
Left In: 506.037+/-0.173 χ^2/NDF:178890.6/4

+ sign 578.493+/-0.125 χ^2/NDF: 1741397.2/21

All: 581.591+/-0.089 χ^2/NDF: 3678600.5/44

- 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: -314.510+/-366.155 χ^2/NDF:5.7/5

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

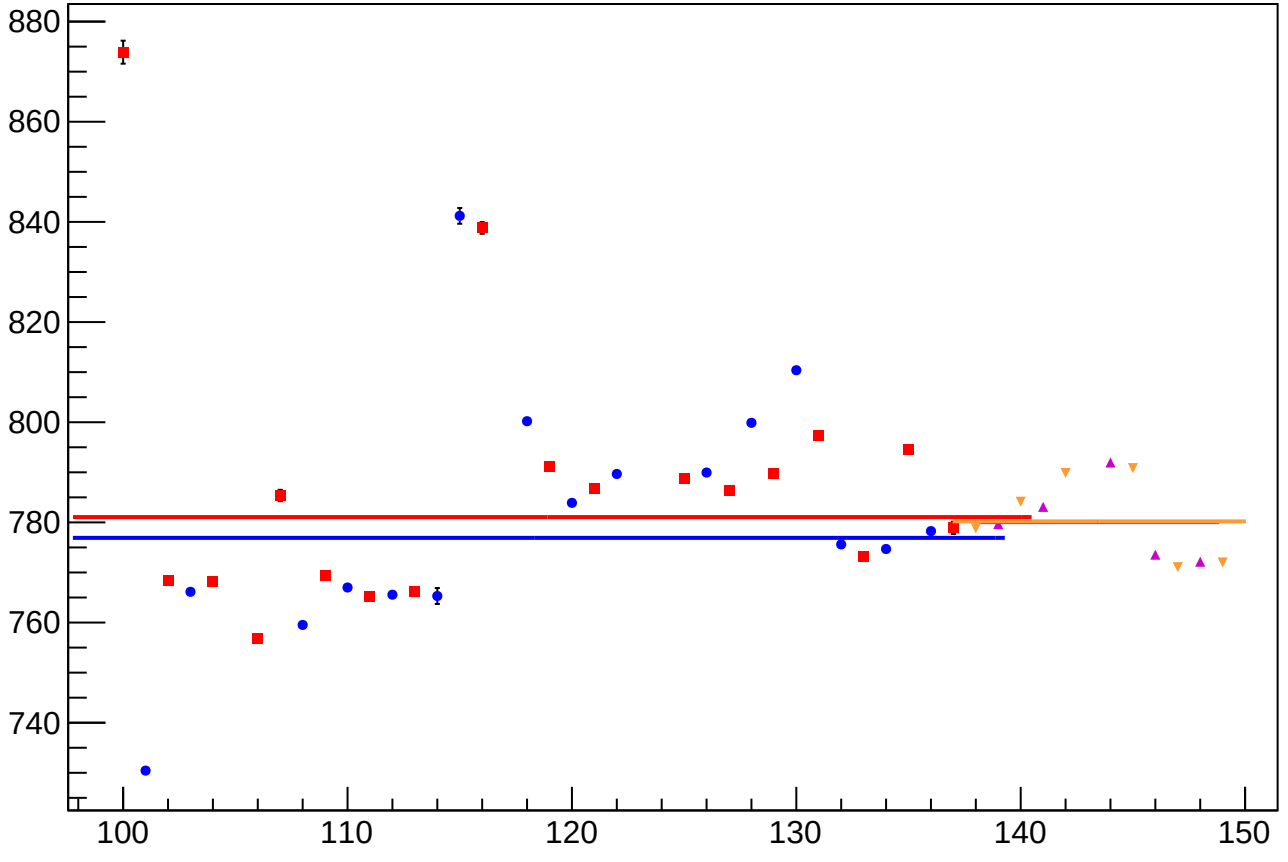
Left In: 342.874+/-372.939 χ^2/NDF:6.2/4

+ sign -397.715+/-226.691 χ^2/NDF: 12.5/21

All: -134.758+/-160.704 χ^2/NDF: 33.8/44

- 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: 780.202+/-0.259 χ^2/NDF:894.1/5

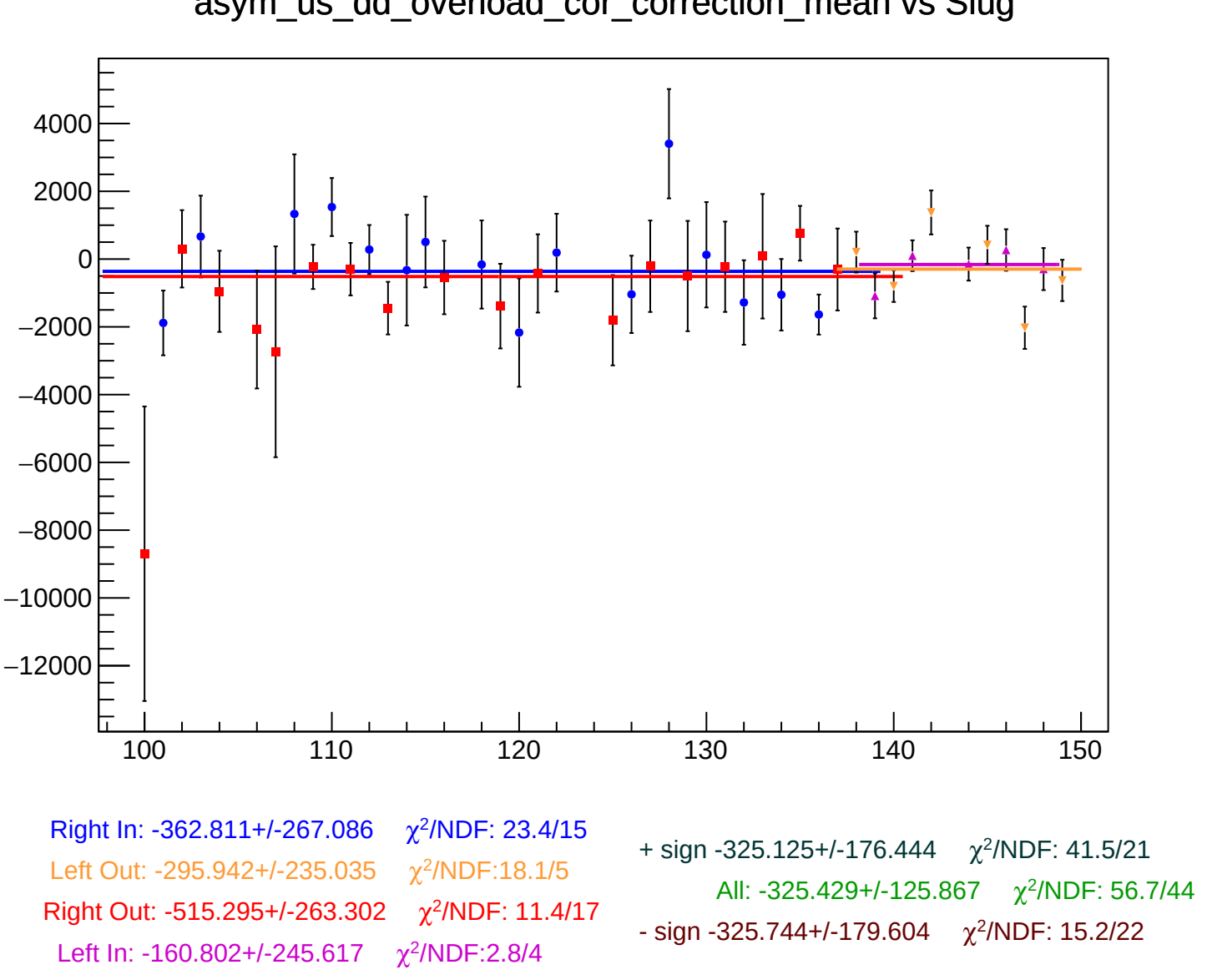
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

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

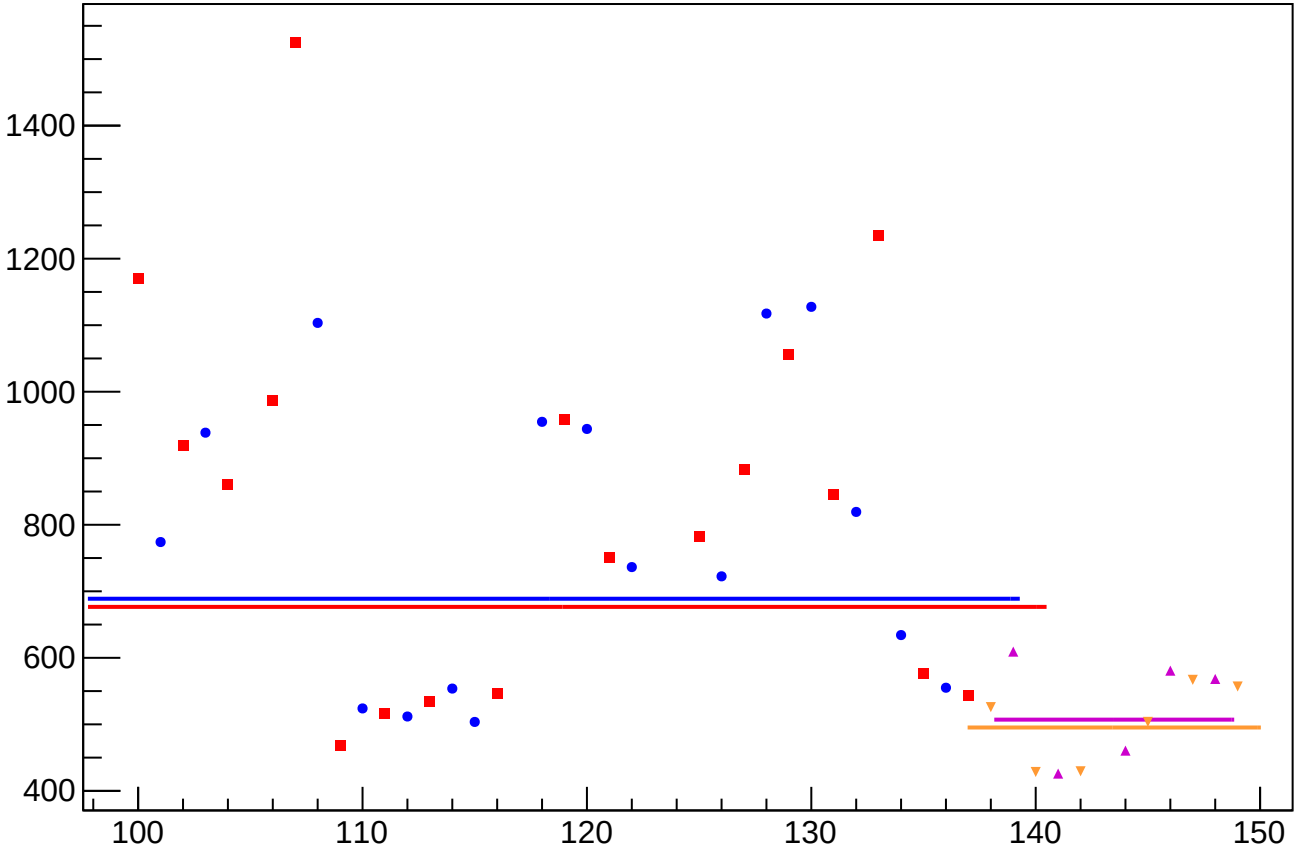
+ sign 778.174+/-0.160 χ^2/NDF: 13117.2/21

All: 779.424+/-0.114 χ^2/NDF: 21572.0/44

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


asym_us_dd_overload_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: -362.811+/-267.086 χ²/NDF: 23.4/15
Left Out: -295.942+/-235.035 χ²/NDF:18.1/5
Right Out: -515.295+/-263.302 χ²/NDF: 11.4/17
Left In: -160.802+/-245.617 χ²/NDF:2.8/4
+ sign -325.125+/-176.444 χ²/NDF: 41.5/21
All: -325.429+/-125.867 χ²/NDF: 56.7/44
- sign -325.744+/-179.604 χ²/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: 495.276+/-0.166 χ^2/NDF:113699.2/5

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

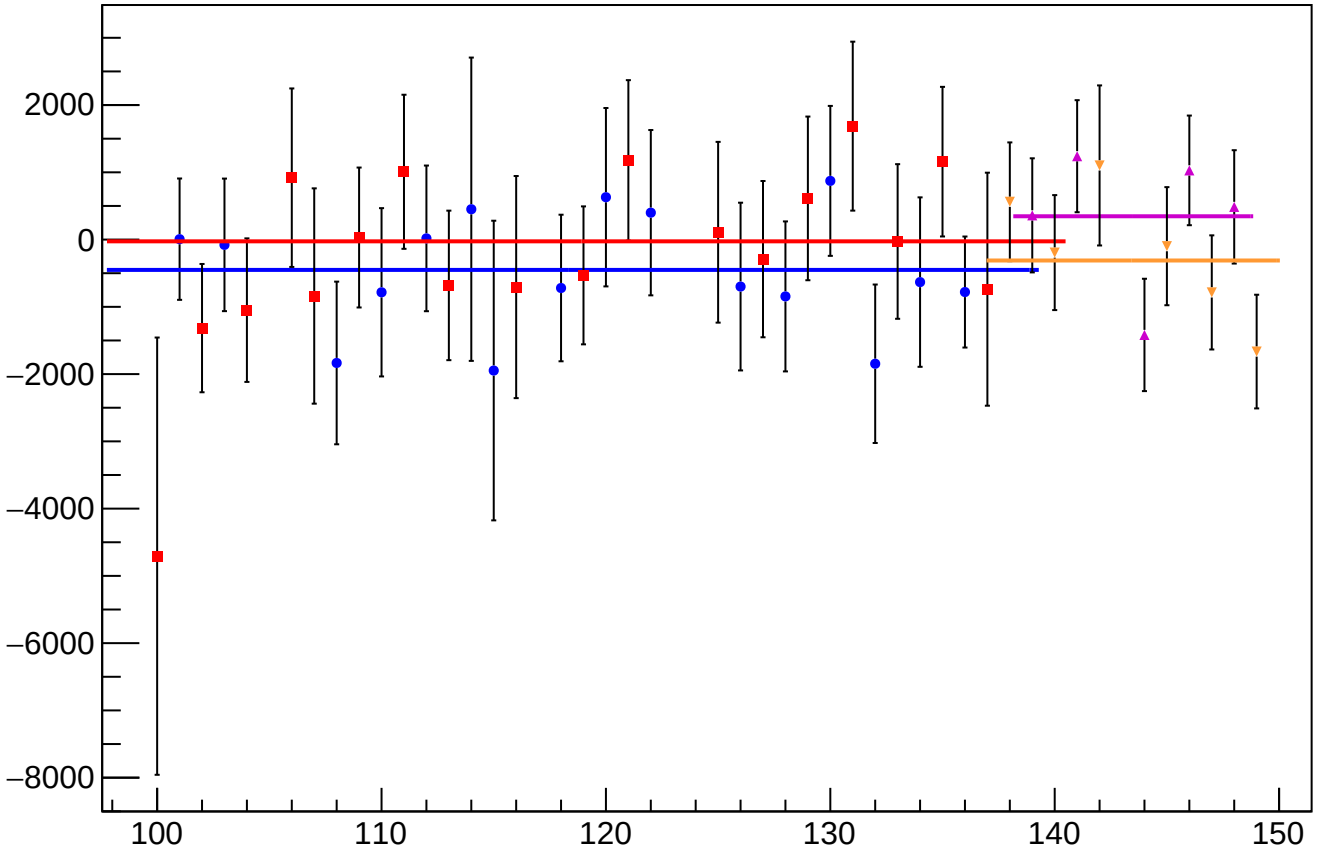
Left In: 507.094+/-0.174 χ^2/NDF:177734.2/4

+ sign 579.748+/-0.125 χ^2/NDF: 1733756.5/21

All: 582.794+/-0.089 χ^2/NDF: 3663804.8/44

- 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: -310.978+/-366.481 χ^2/NDF:5.3/5

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

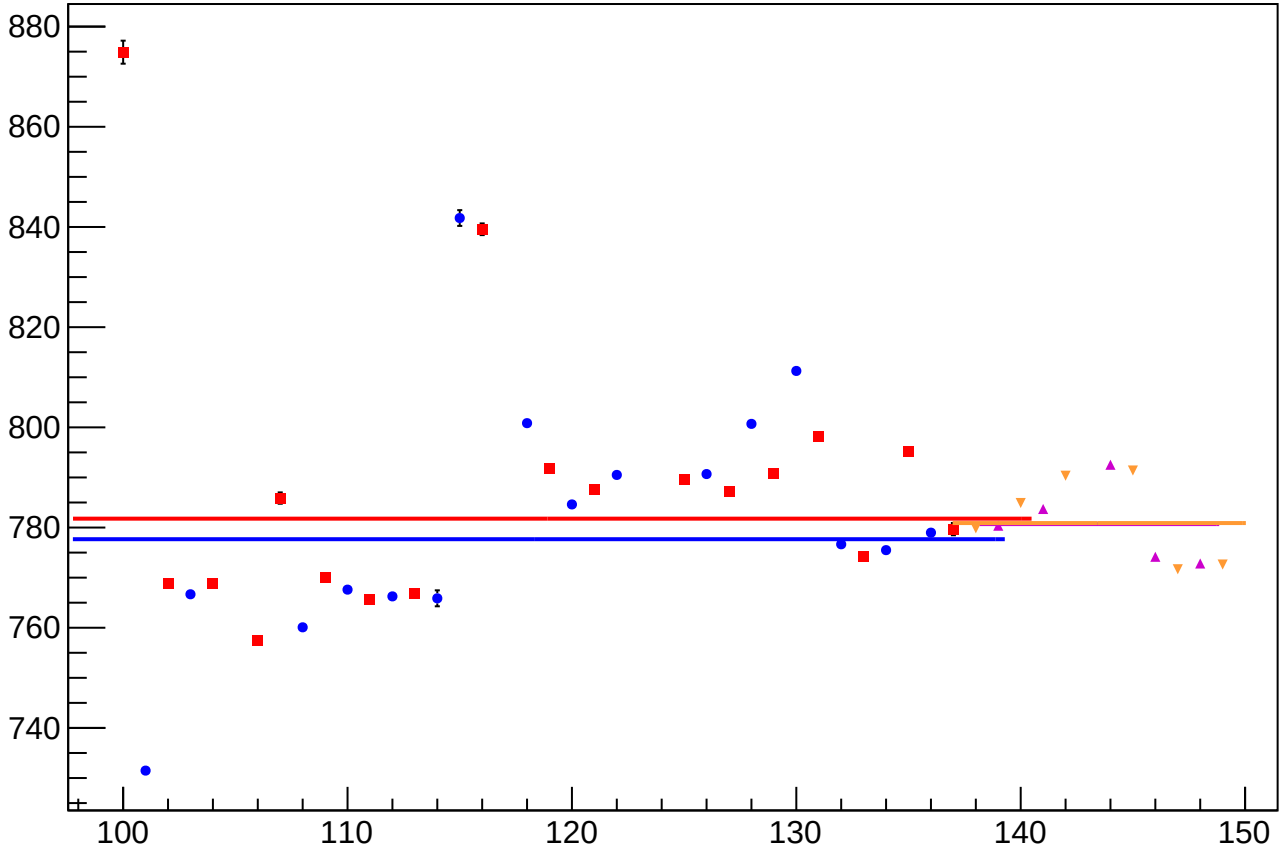
Left In: 346.589+/-373.241 χ^2/NDF:6.3/4

+ sign -397.294+/-226.906 χ^2/NDF: 12.4/21

All: -143.415+/-160.850 χ^2/NDF: 33.5/44

- 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: 780.897+/-0.259 χ^2/NDF:886.7/5

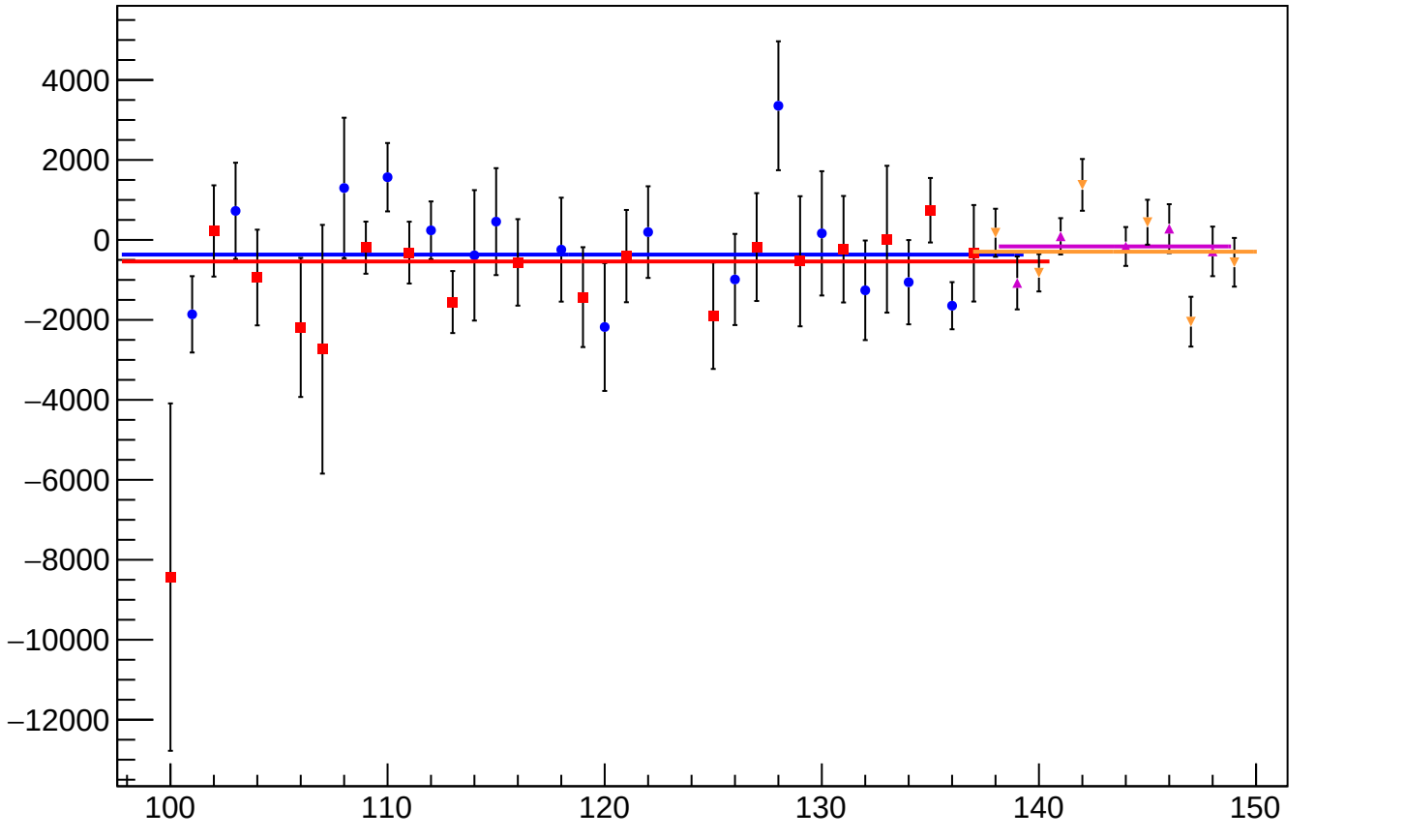
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

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

+ sign 778.910+/-0.160 χ^2/NDF: 13037.5/21

All: 780.134+/-0.114 χ^2/NDF: 21522.7/44

- 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: -294.503+/-234.483 χ^2/NDF:18.4/5

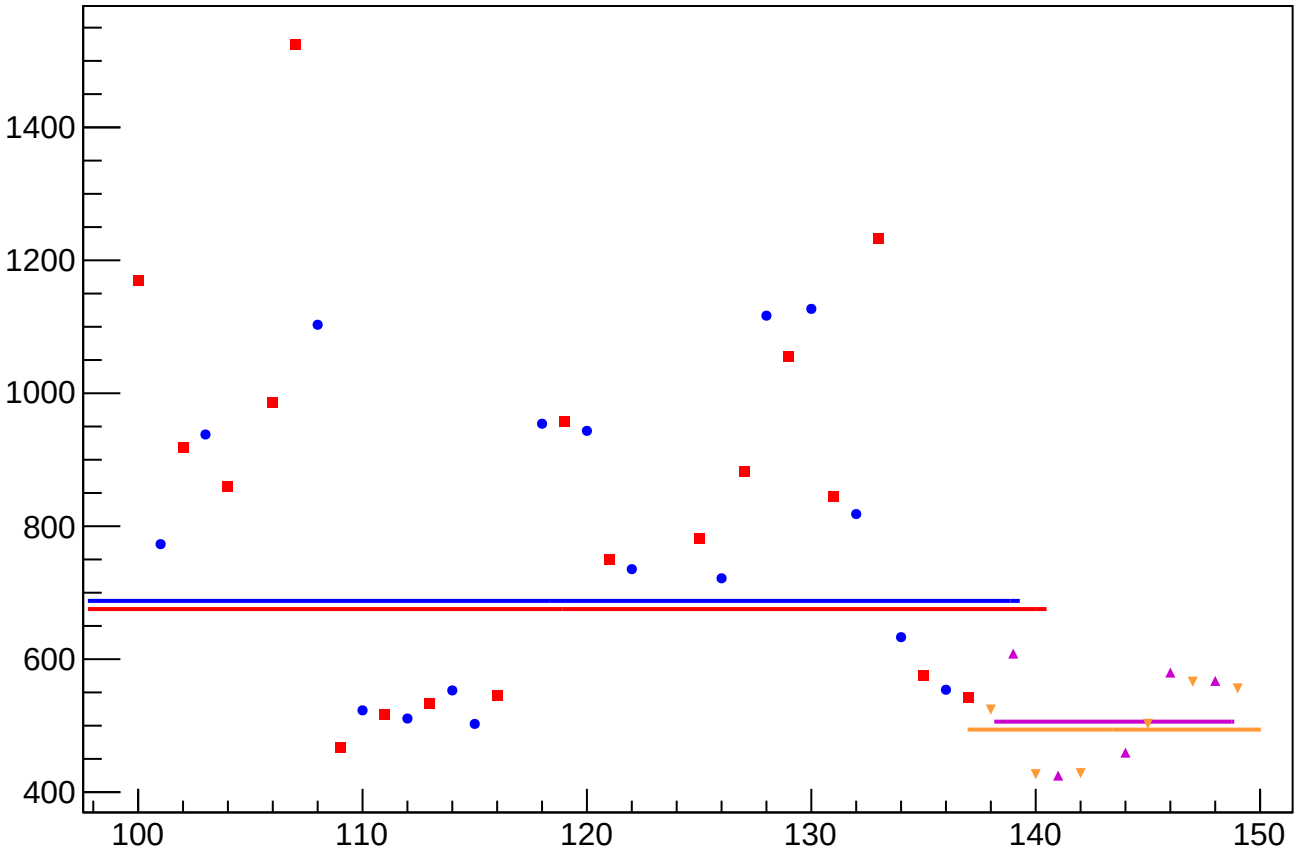
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

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

+ sign -326.115+/-176.099 χ^2/NDF: 41.7/21

All: -331.751+/-125.633 χ^2/NDF: 57.3/44

- 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: 494.062+/-0.166 χ^2/NDF:114736.4/5

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

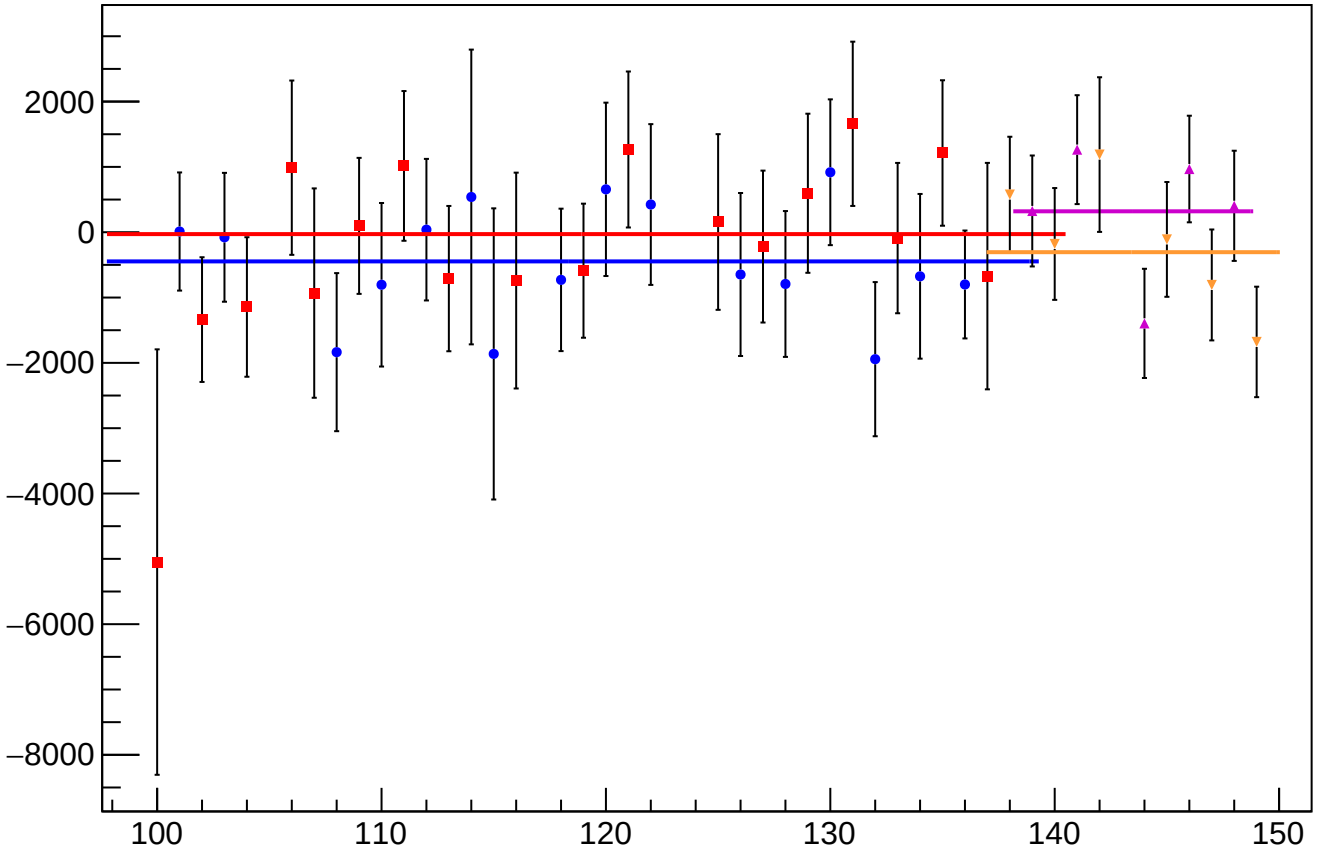
Left In: 506.037+/-0.173 χ^2/NDF:178890.6/4

+ sign 578.493+/-0.125 χ^2/NDF: 1741397.2/21

All: 581.591+/-0.089 χ^2/NDF: 3678600.5/44

- 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: -305.477+/-366.693 χ^2/NDF:5.6/5

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

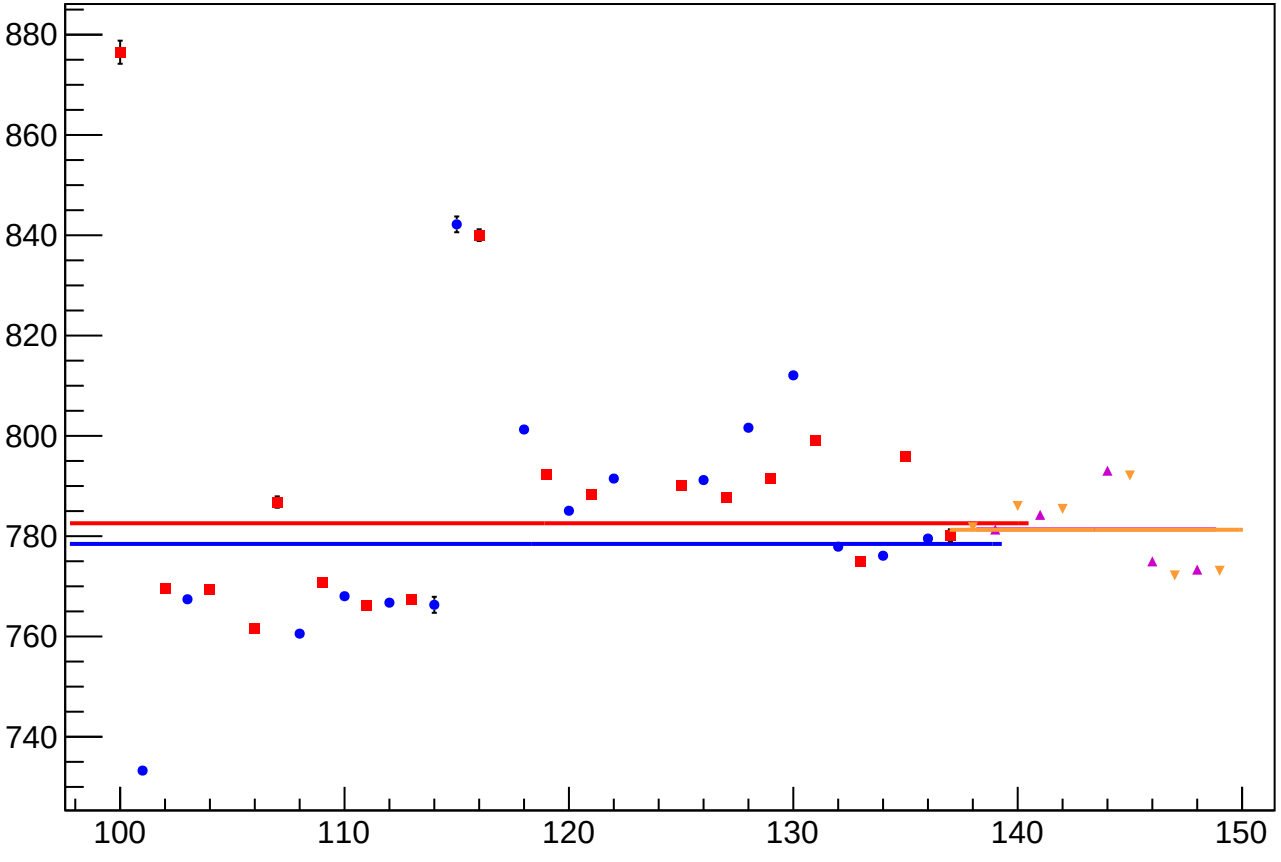
Left In: 320.093+/-373.562 χ^2/NDF:6.1/4

+ sign -392.510+/-227.095 χ^2/NDF: 13.0/21

All: -146.787+/-160.994 χ^2/NDF: 34.7/44

- 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: 781.279+/-0.259 χ^2/NDF:807.4/5

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

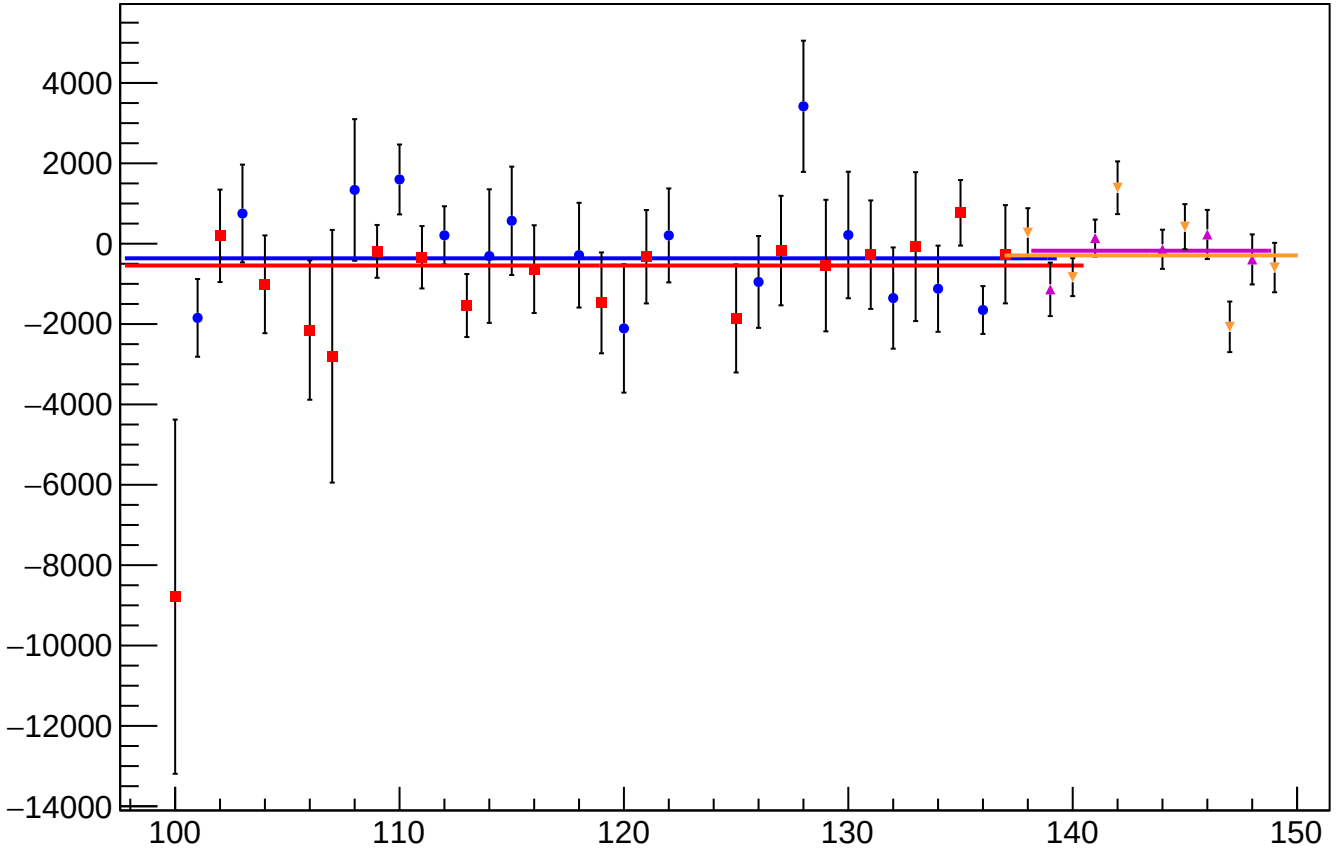
Left In: 781.361+/-0.264 χ^2/NDF:719.6/4

+ sign 779.538+/-0.161 χ^2/NDF: 12675.7/21

All: 780.824+/-0.114 χ^2/NDF: 21018.7/44

- 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: -291.923+/-236.771 χ^2/NDF:18.6/5

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

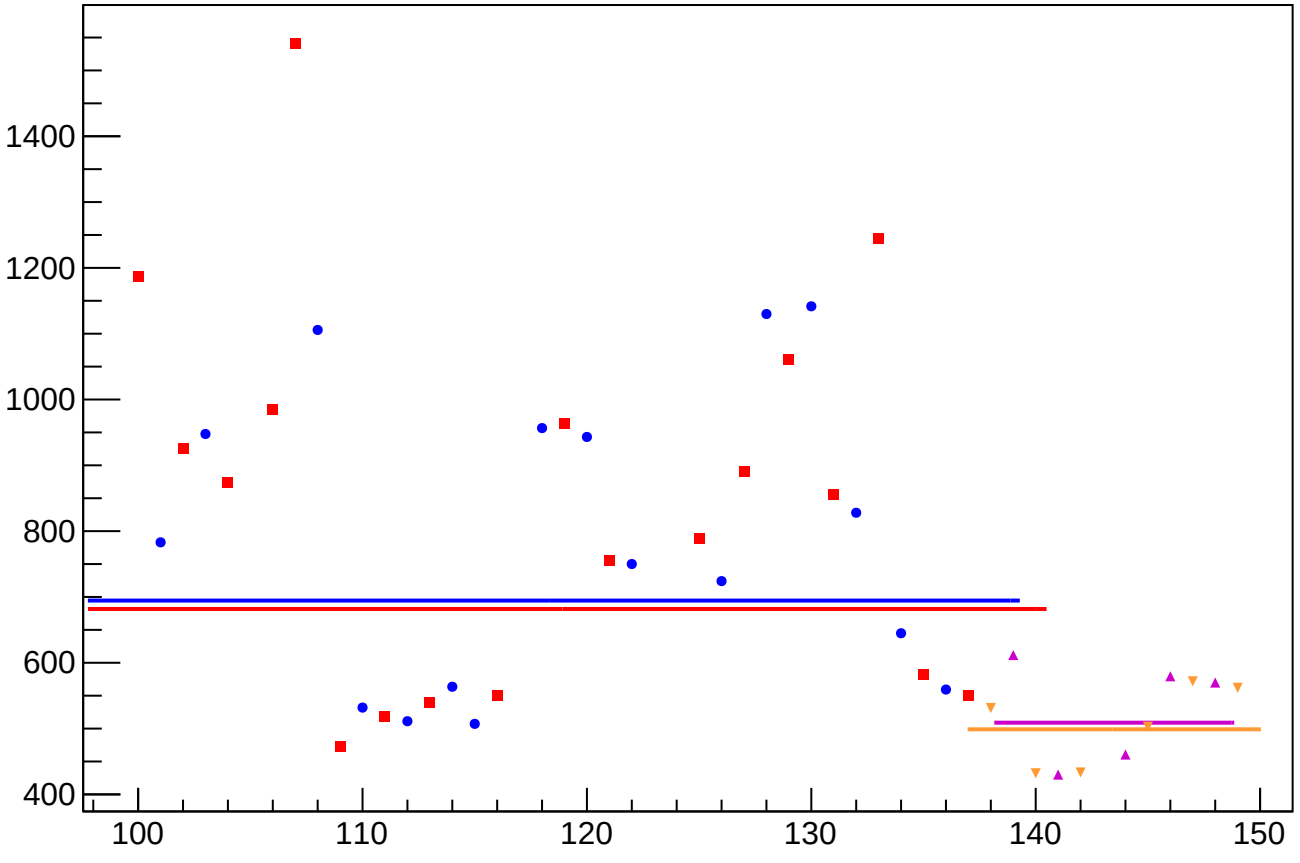
Left In: -175.004+/-246.411 χ^2/NDF:3.1/4

+ sign -323.336+/-177.822 χ^2/NDF: 41.9/21

All: -334.200+/-126.689 χ^2/NDF: 57.9/44

- 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: 498.895+/-0.167 χ^2/NDF:113583.3/5

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

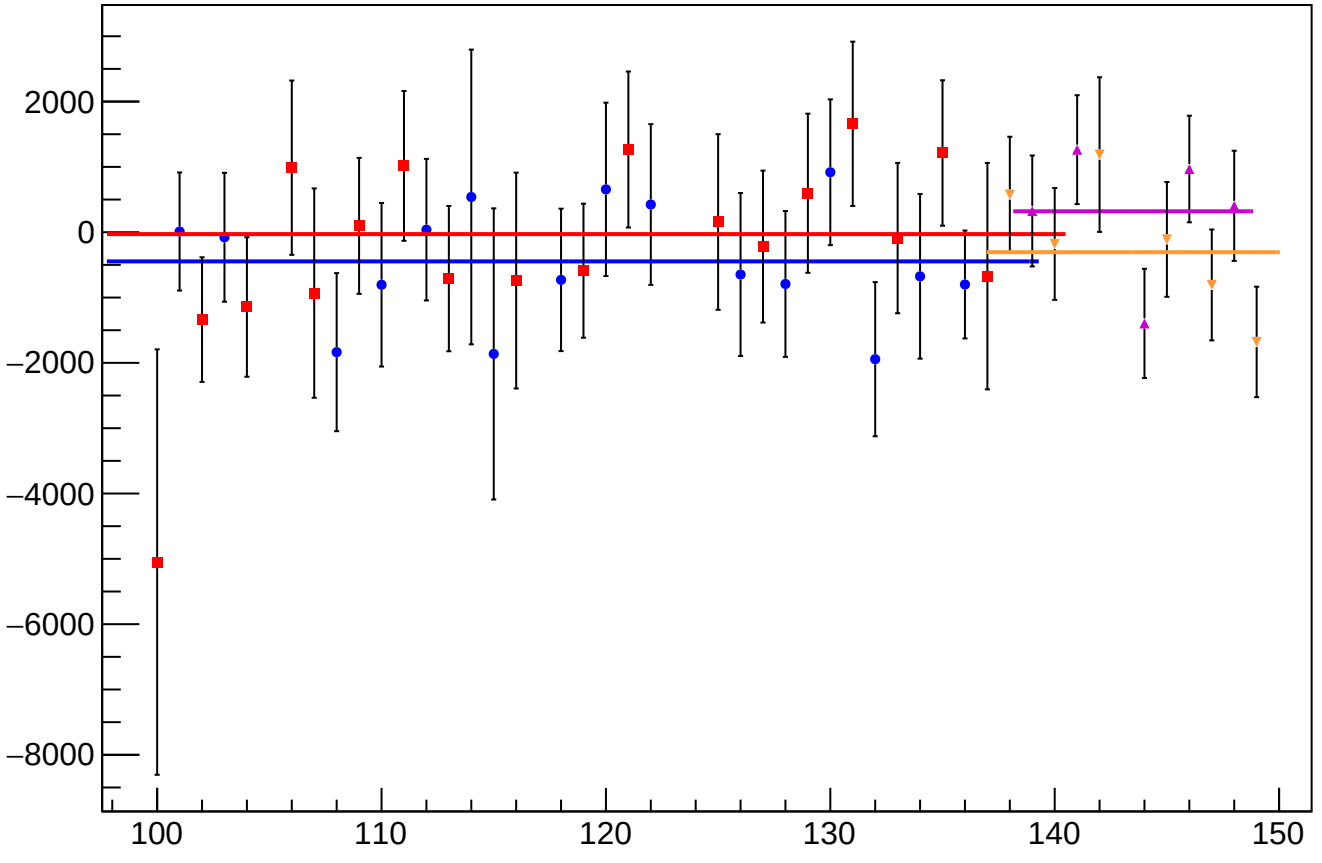
Left In: 508.984+/-0.174 χ^2/NDF:172227.3/4

+ sign 584.180+/-0.126 χ^2/NDF: 1738689.8/21

All: 586.556+/-0.090 χ^2/NDF: 3678316.9/44

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

eigen_dit_asym_us_dd_mean vs Slug



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

Left Out: -305.479+/-366.693 χ^2/NDF:5.6/5

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

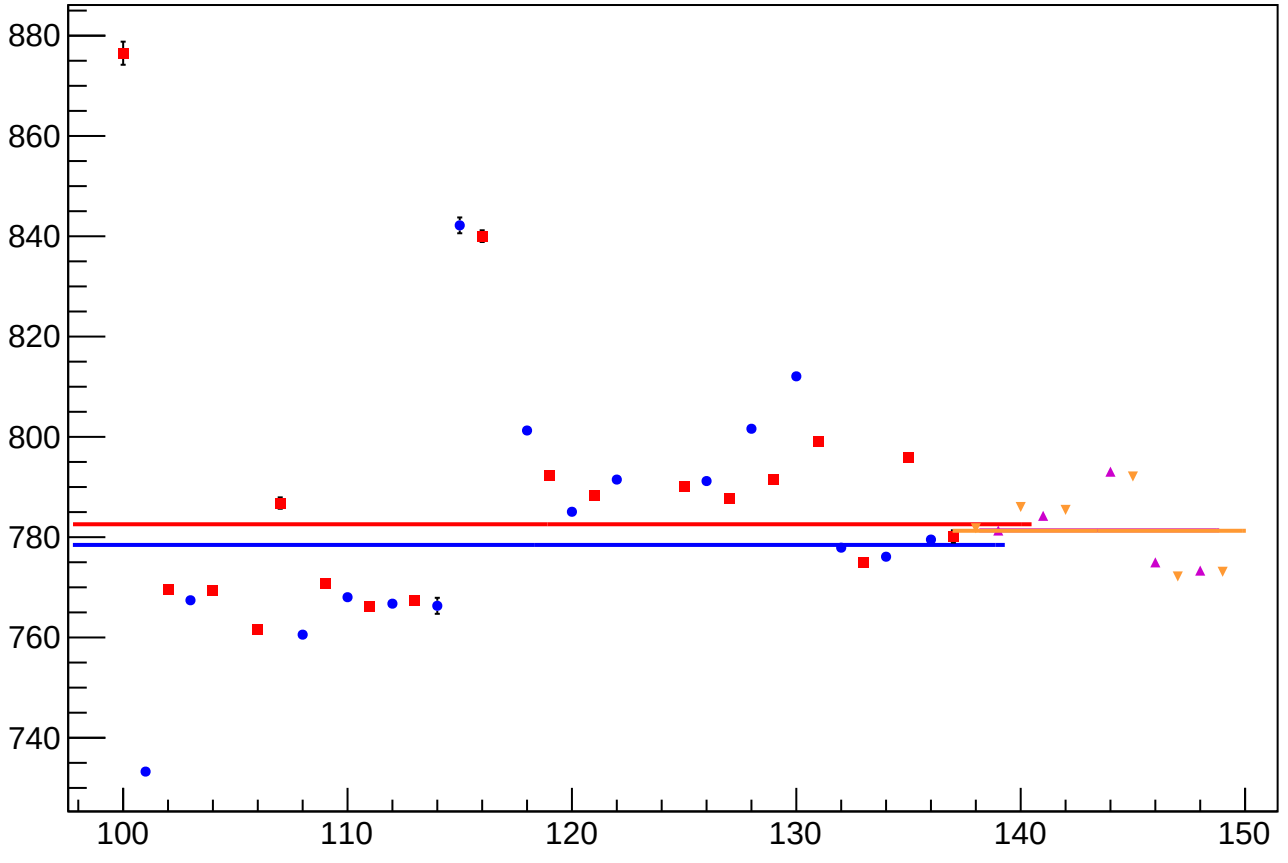
Left In: 320.092+/-373.562 χ^2/NDF:6.1/4

+ sign -392.511+/-227.095 χ^2/NDF: 13.0/21

All: -146.787+/-160.994 χ^2/NDF: 34.7/44

- 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: 781.279+/-0.259 χ^2/NDF:807.4/5

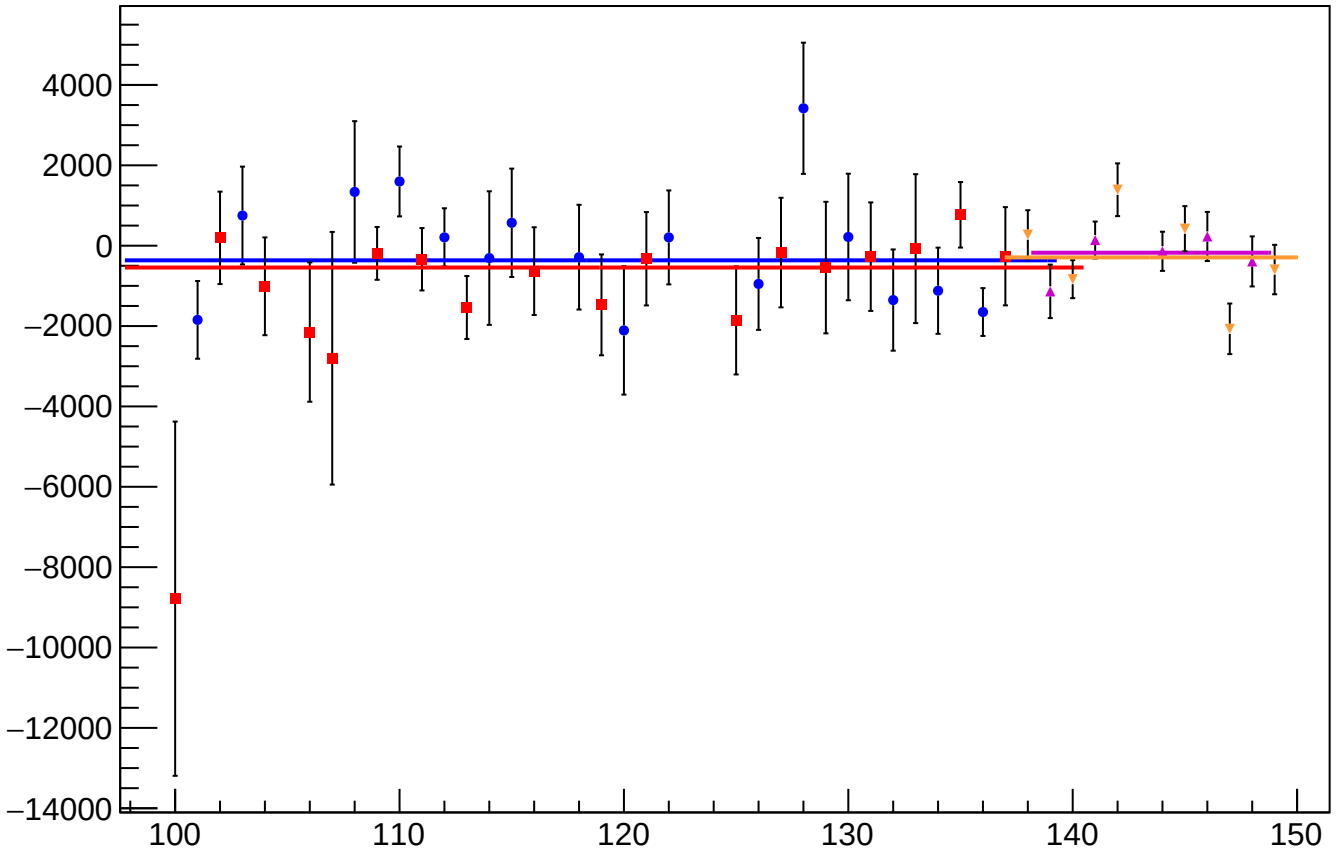
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

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

+ sign 779.538+/-0.161 χ^2/NDF: 12675.6/21

All: 780.824+/-0.114 χ^2/NDF: 21018.7/44

- 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: -291.924+/-236.771 χ^2/NDF:18.6/5

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

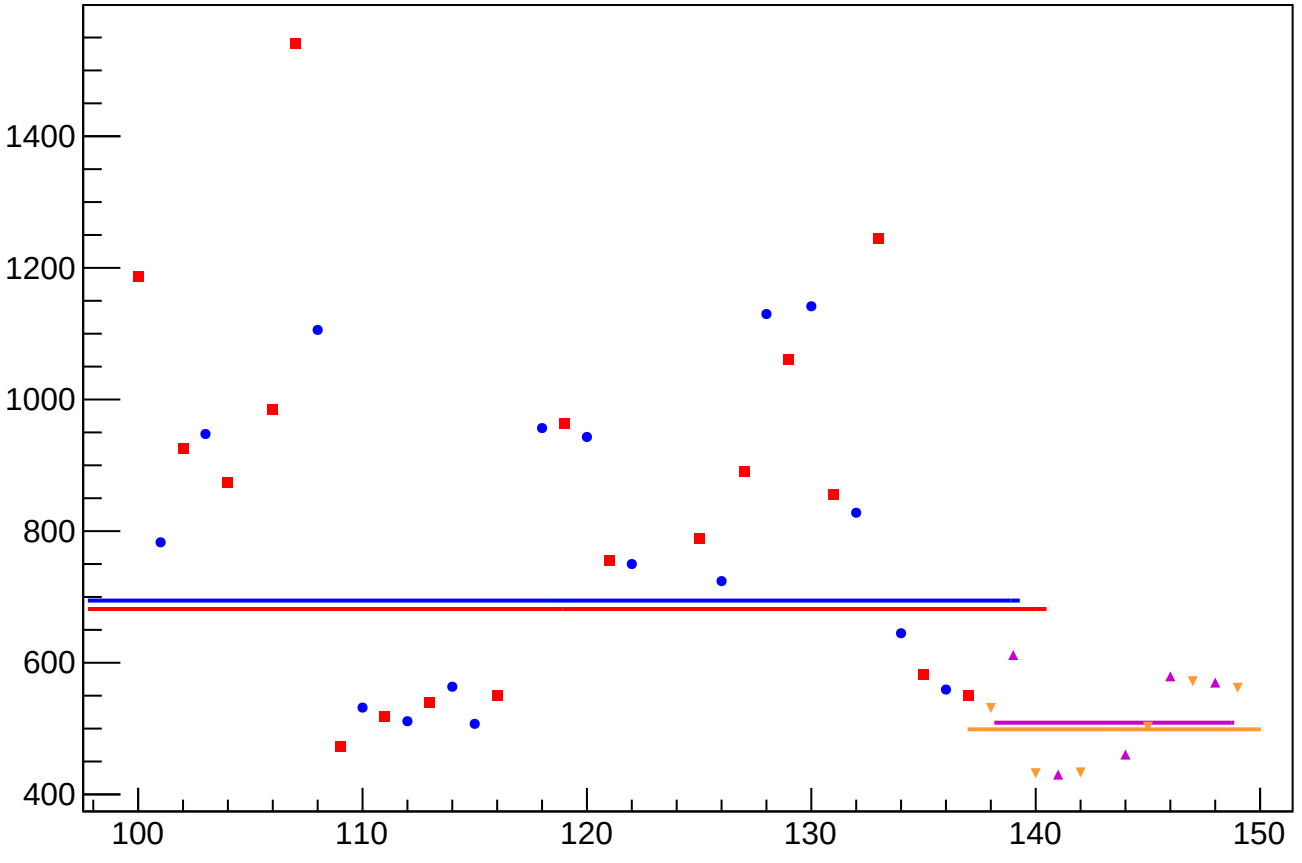
Left In: -175.002+/-246.411 χ^2/NDF:3.1/4

\+ sign -323.335+/-177.821 χ^2/NDF: 41.9/21

All: -334.199+/-126.689 χ^2/NDF: 57.9/44

\- 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: 498.894+/-0.167 χ^2/NDF:113590.2/5

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

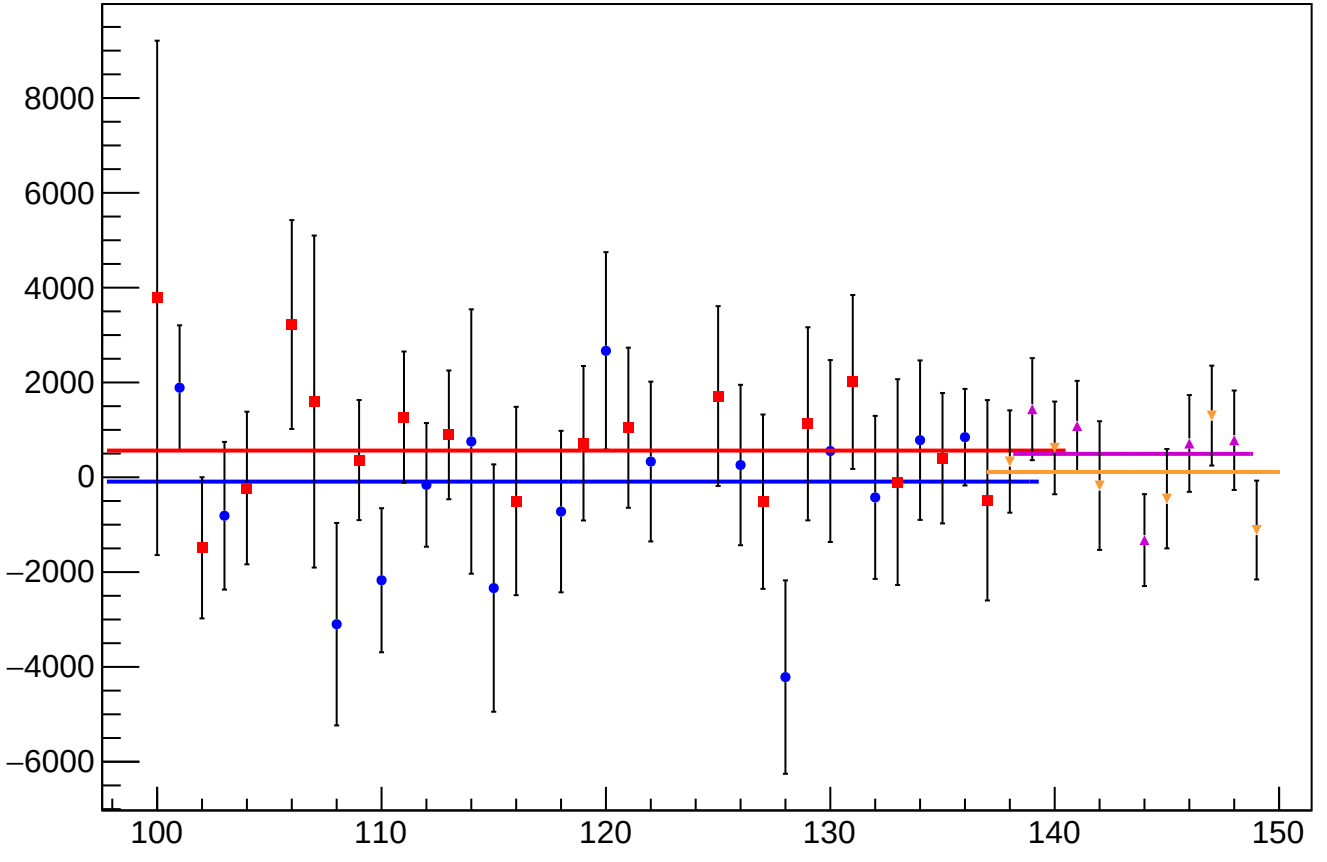
Left In: 508.984+/-0.174 χ^2/NDF:172235.1/4

+ sign 584.179+/-0.126 χ^2/NDF: 1738692.8/21

All: 586.554+/-0.090 χ^2/NDF: 3678334.5/44

- 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: 111.340+/-439.434 χ^2/NDF:3.3/5

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

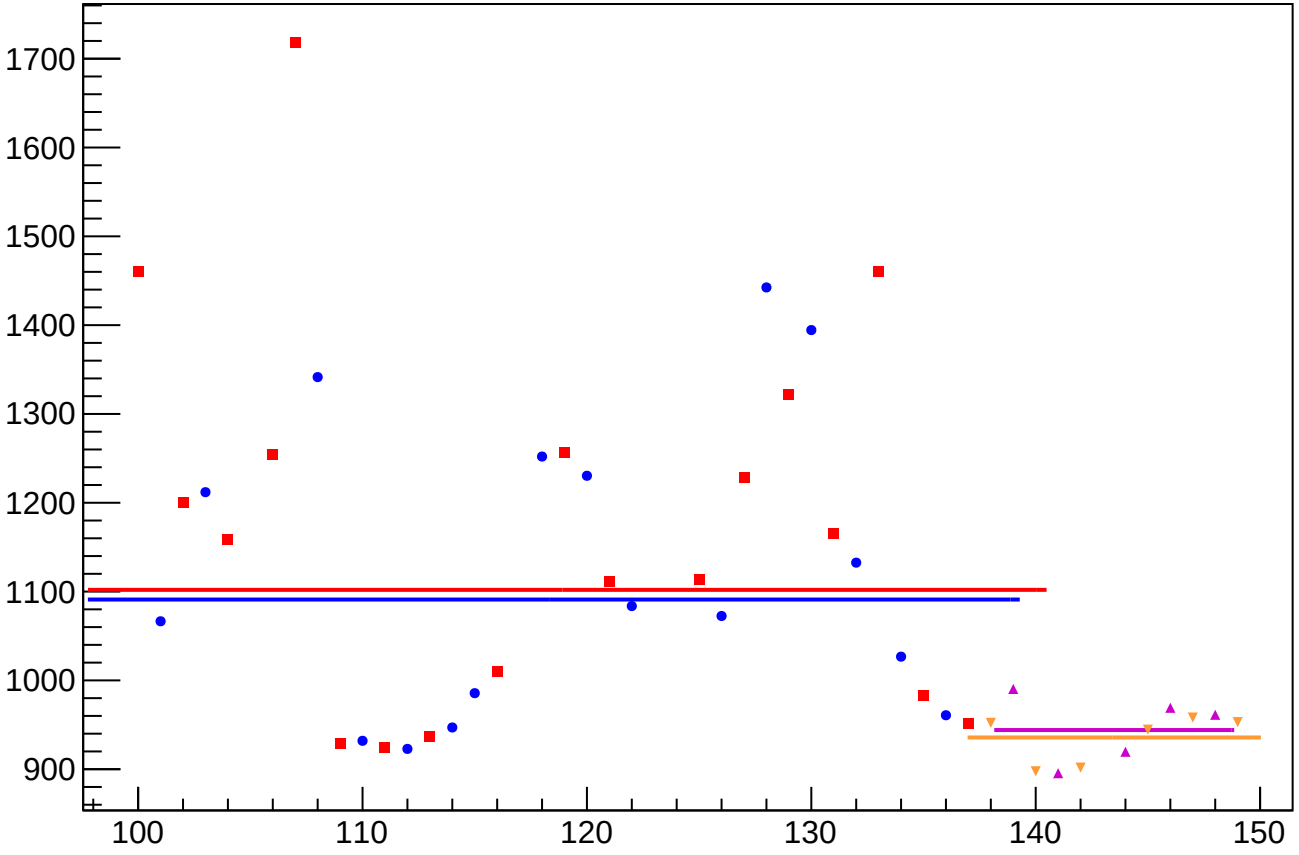
Left In: 494.114+/-451.761 χ^2/NDF:4.8/4

+ sign 2.993+/-299.763 χ^2/NDF: 17.9/21

All: 263.534+/-213.530 χ^2/NDF: 30.8/44

- 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: 935.726+/-0.311 χ^2/NDF:6350.3/5

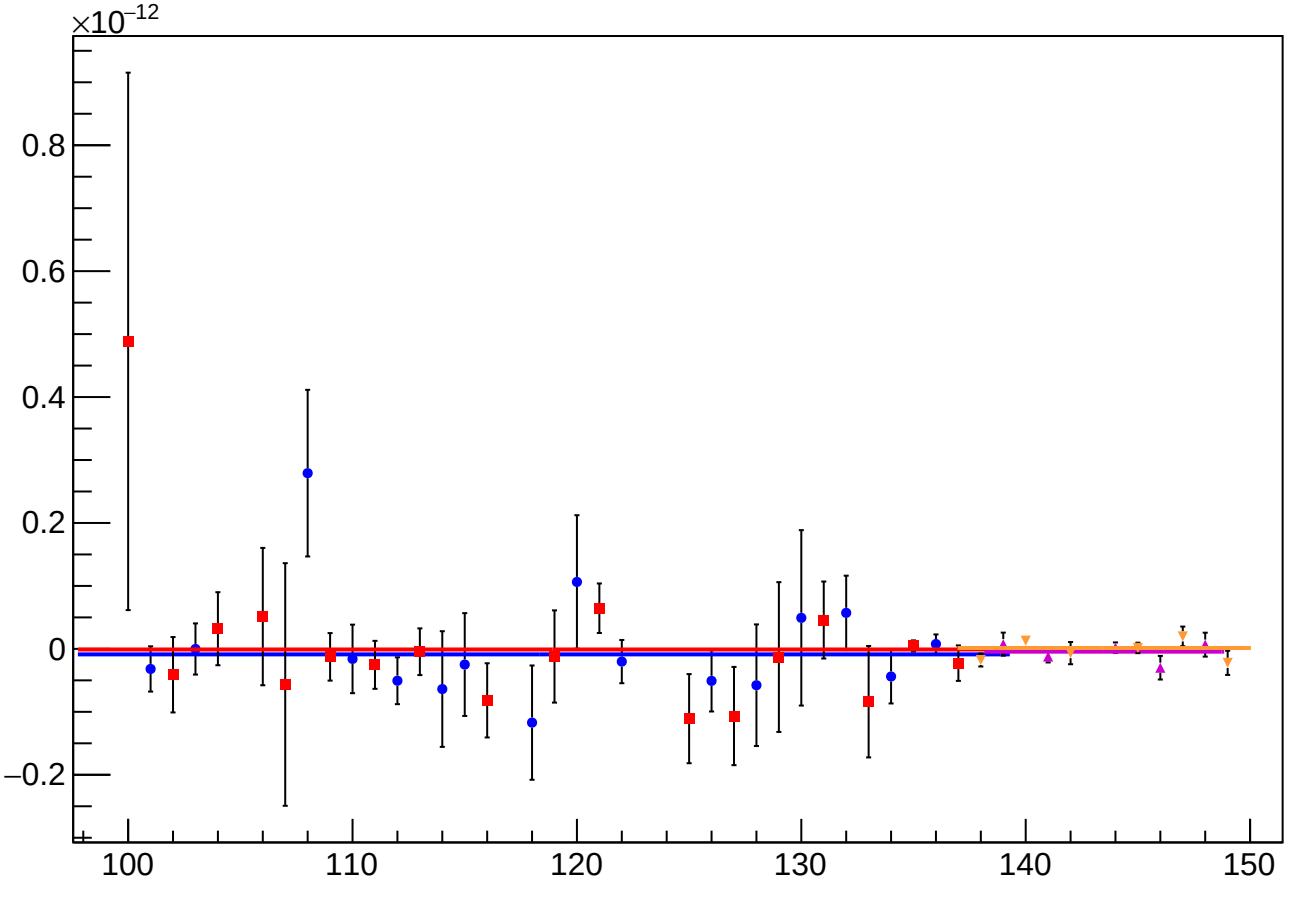
Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

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

+ sign 1018.767+/-0.212 χ^2/NDF: 417237.9/21

All: 1024.479+/-0.151 χ^2/NDF: 892169.0/44

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



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

Left Out: 0.000+/-0.000 χ^2/NDF:8.8/5

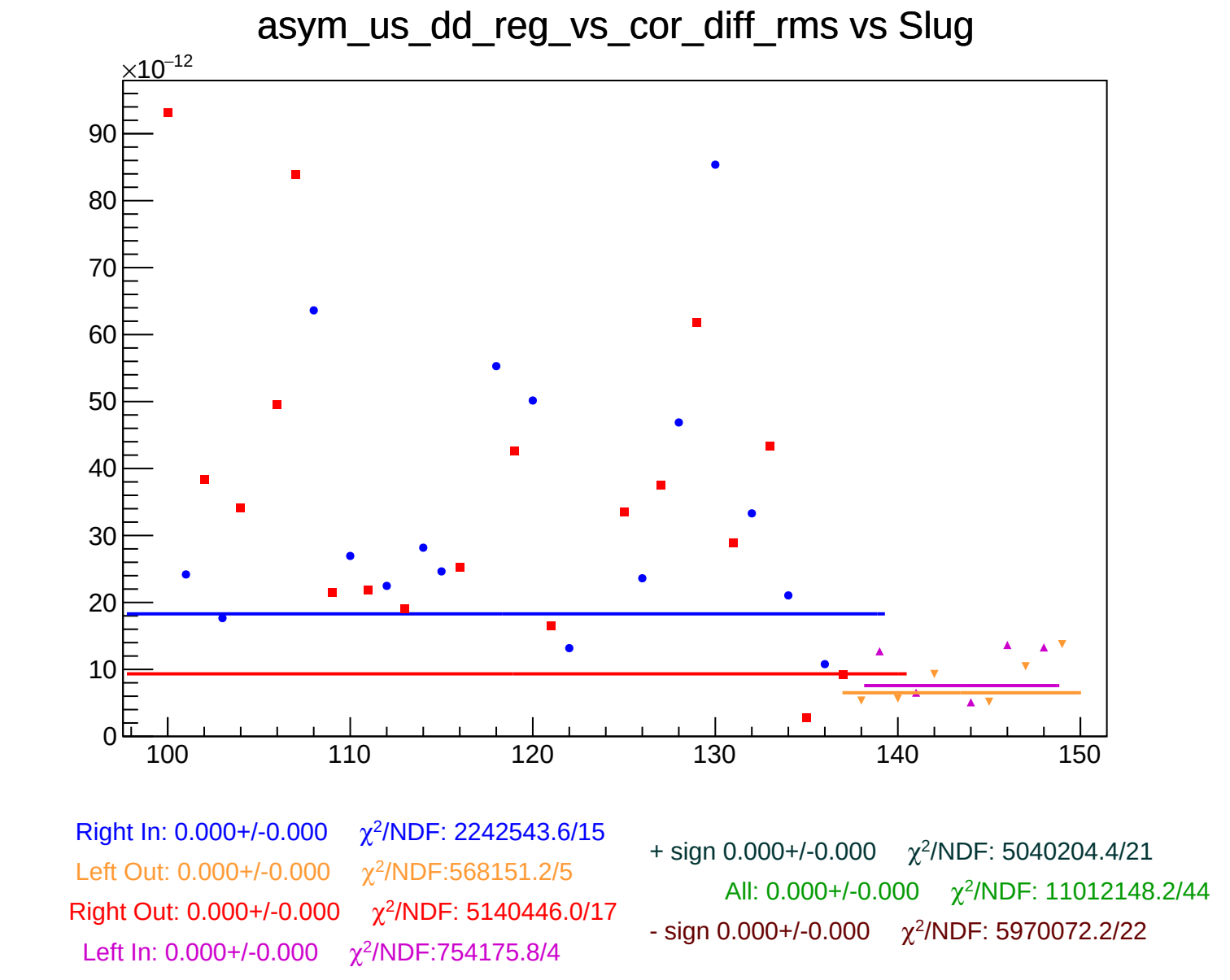
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: -0.000+/-0.000 χ^2/NDF:3.9/4

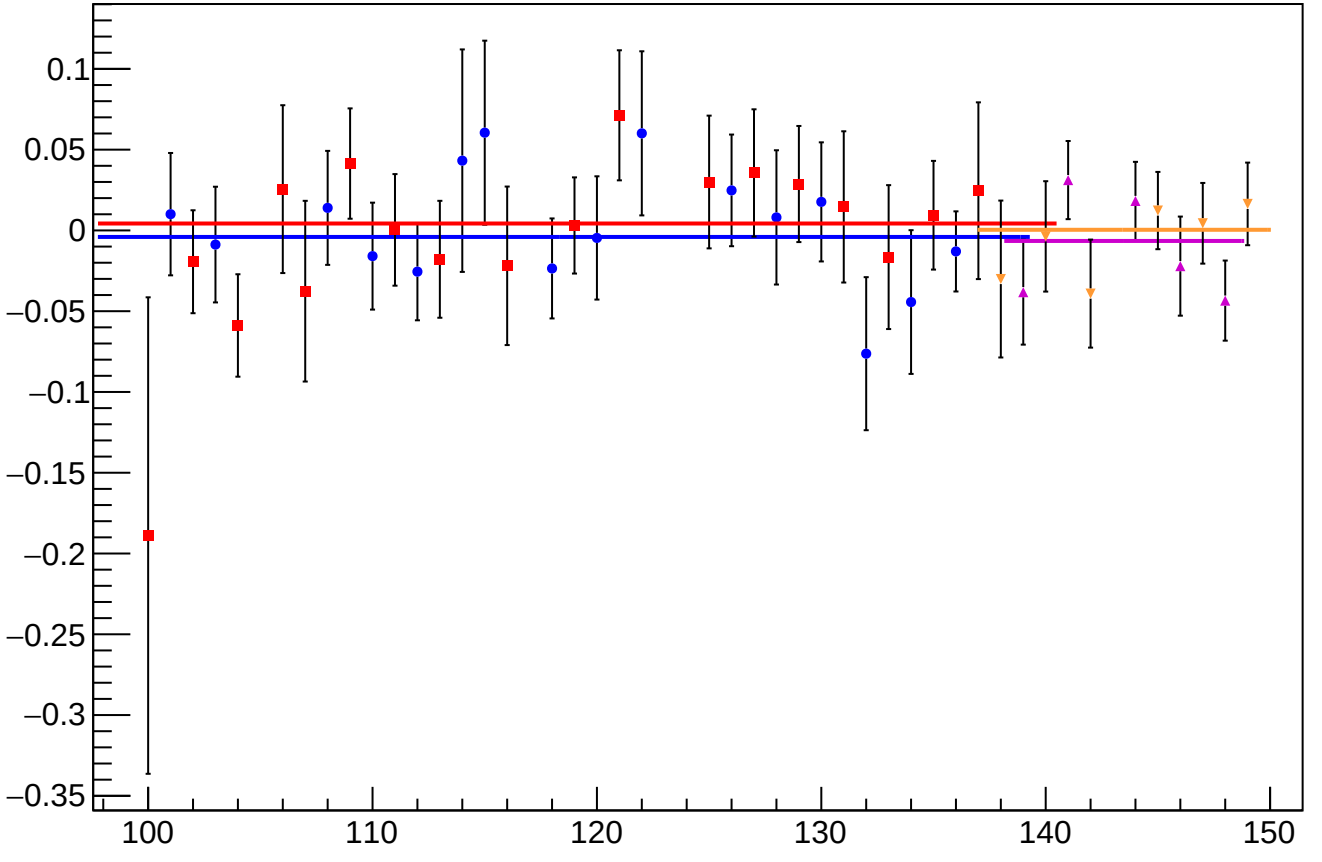
+ sign -0.000+/-0.000 χ^2/NDF: 23.5/21

All: -0.000+/-0.000 χ^2/NDF: 42.1/44

- 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:568151.2/5
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: 5040204.4/21
All: 0.000+/-0.000 χ²/NDF: 11012148.2/44
- 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: 0.000+/-0.012 χ^2/NDF:2.5/5

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

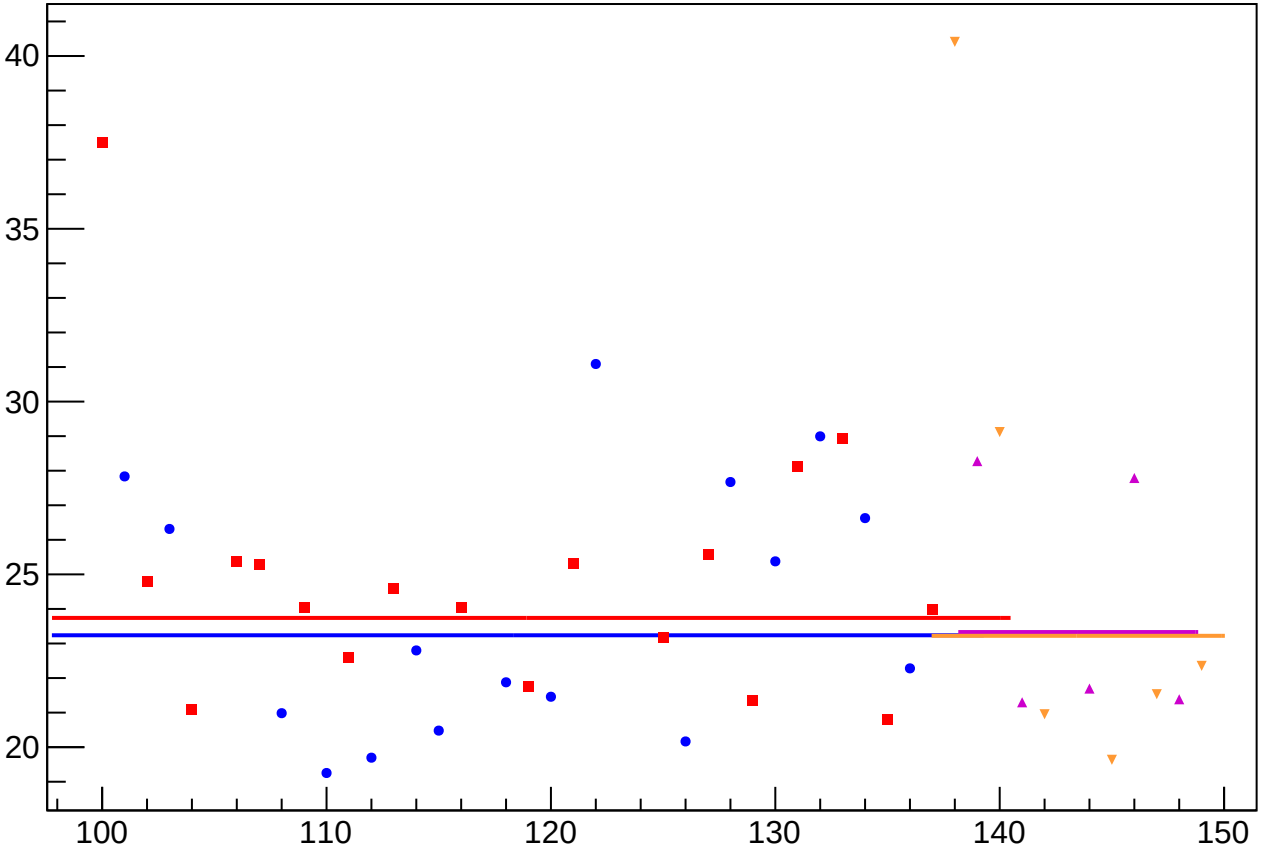
Left In: -0.007+/-0.012 χ^2/NDF:6.9/4

+ sign -0.002+/-0.007 χ^2/NDF: 11.8/21

All: -0.001+/-0.005 χ^2/NDF: 32.7/44

- 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: 23.222+/-0.008 χ^2/NDF:375752.0/5

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

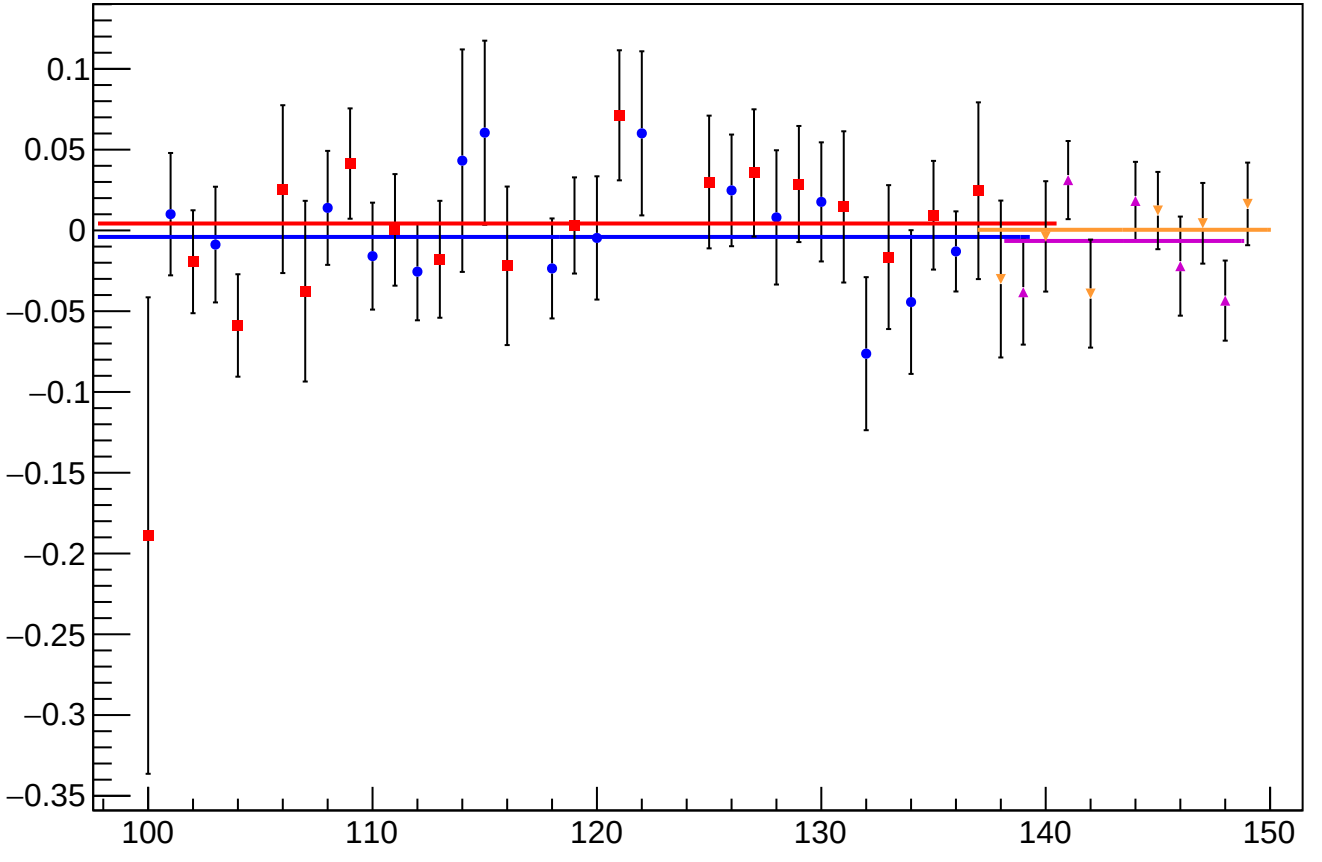
Left In: 23.331+/-0.008 χ^2/NDF:124192.1/4

+ sign 23.232+/-0.005 χ^2/NDF: 634989.6/21

All: 23.408+/-0.004 χ^2/NDF: 889151.4/44

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

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.012 χ^2/NDF:2.5/5

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

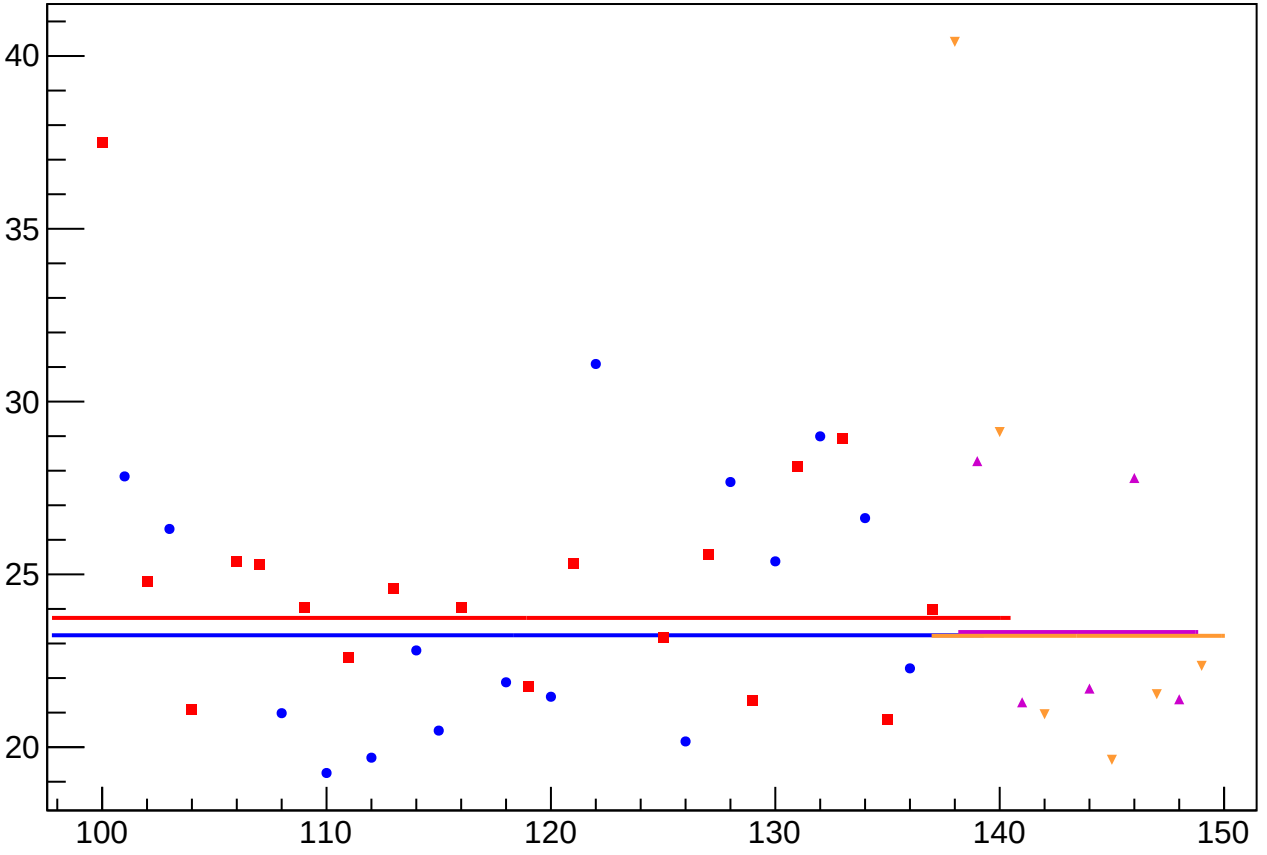
Left In: -0.007+/-0.012 χ^2/NDF:6.9/4

+ sign -0.002+/-0.007 χ^2/NDF: 11.8/21

All: -0.001+/-0.005 χ^2/NDF: 32.7/44

- 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: 23.222+/-0.008 χ^2/NDF:375752.0/5

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

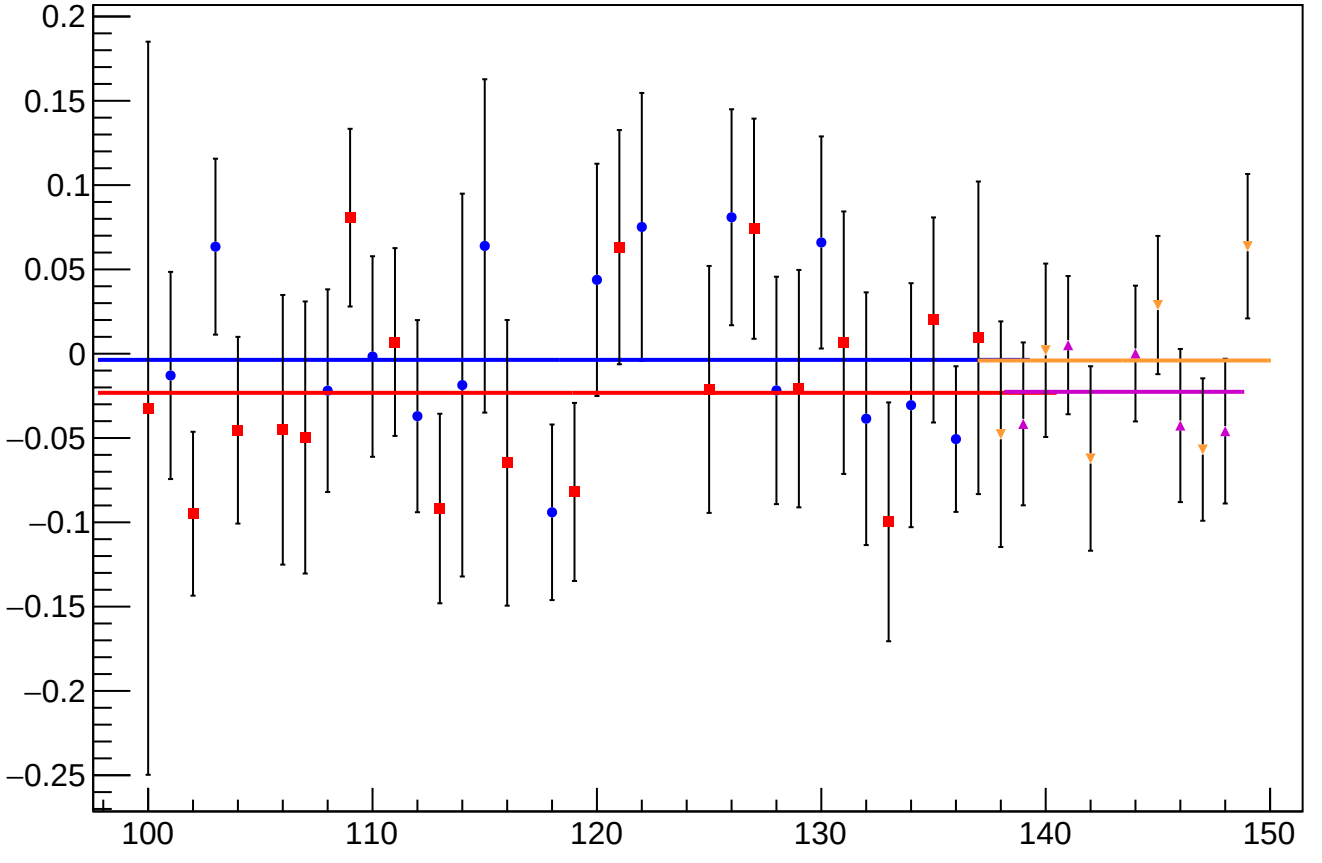
Left In: 23.331+/-0.008 χ^2/NDF:124192.1/4

\+ sign 23.232+/-0.005 χ^2/NDF: 634989.6/21

All: 23.408+/-0.004 χ^2/NDF: 889151.4/44

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

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.004+/-0.019 χ^2/NDF:6.3/5

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

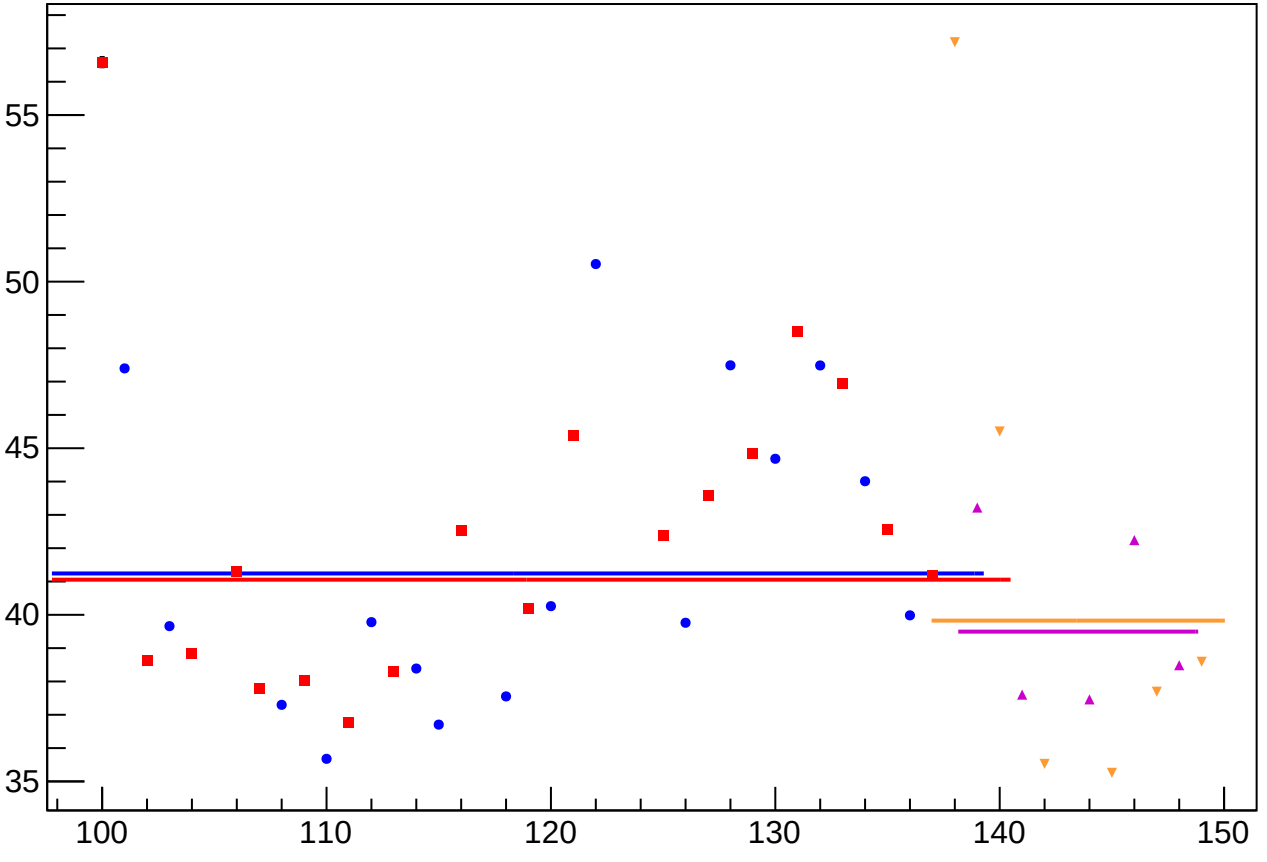
Left In: -0.023+/-0.019 χ^2/NDF:1.4/4

+ sign -0.004+/-0.012 χ^2/NDF: 17.9/21

All: -0.013+/-0.009 χ^2/NDF: 36.0/44

- 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: 39.826+/-0.014 χ^2/NDF:202956.4/5

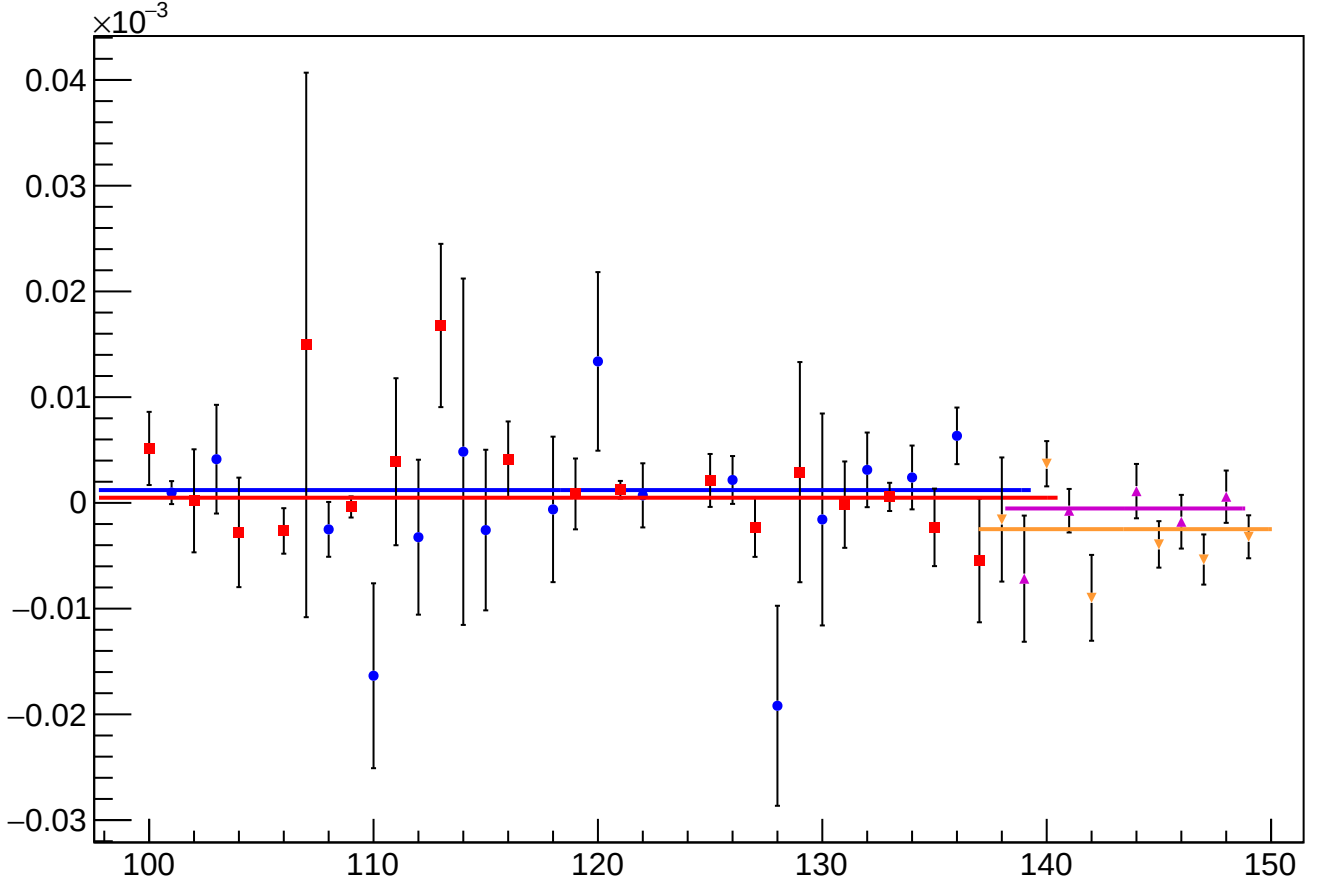
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

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

+ sign 40.683+/-0.009 χ^2/NDF: 344627.7/21

All: 40.563+/-0.006 χ^2/NDF: 479133.6/44

- 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:13.0/5

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

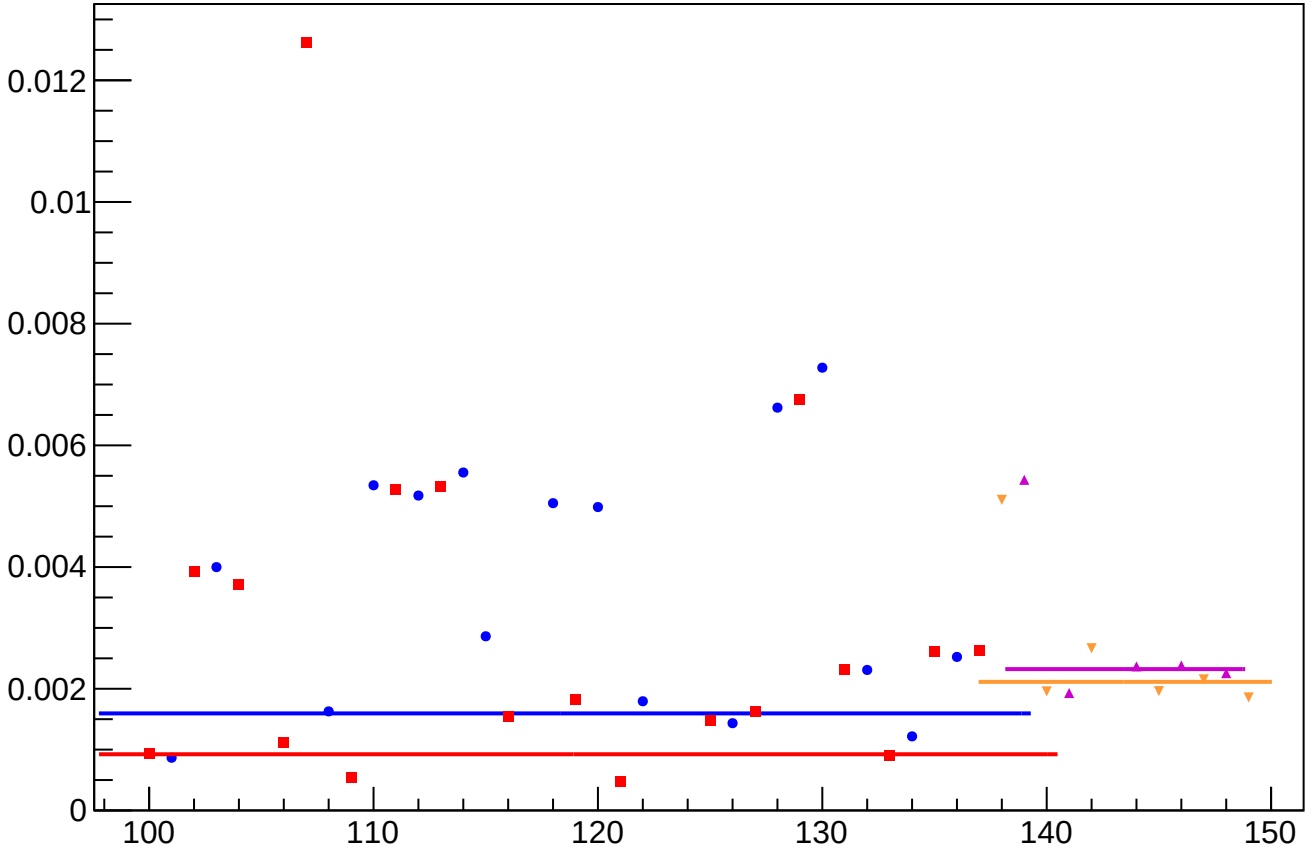
Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 39.7/21

All: 0.000+/-0.000 χ^2/NDF: 57.7/44

- 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:608837.1/5

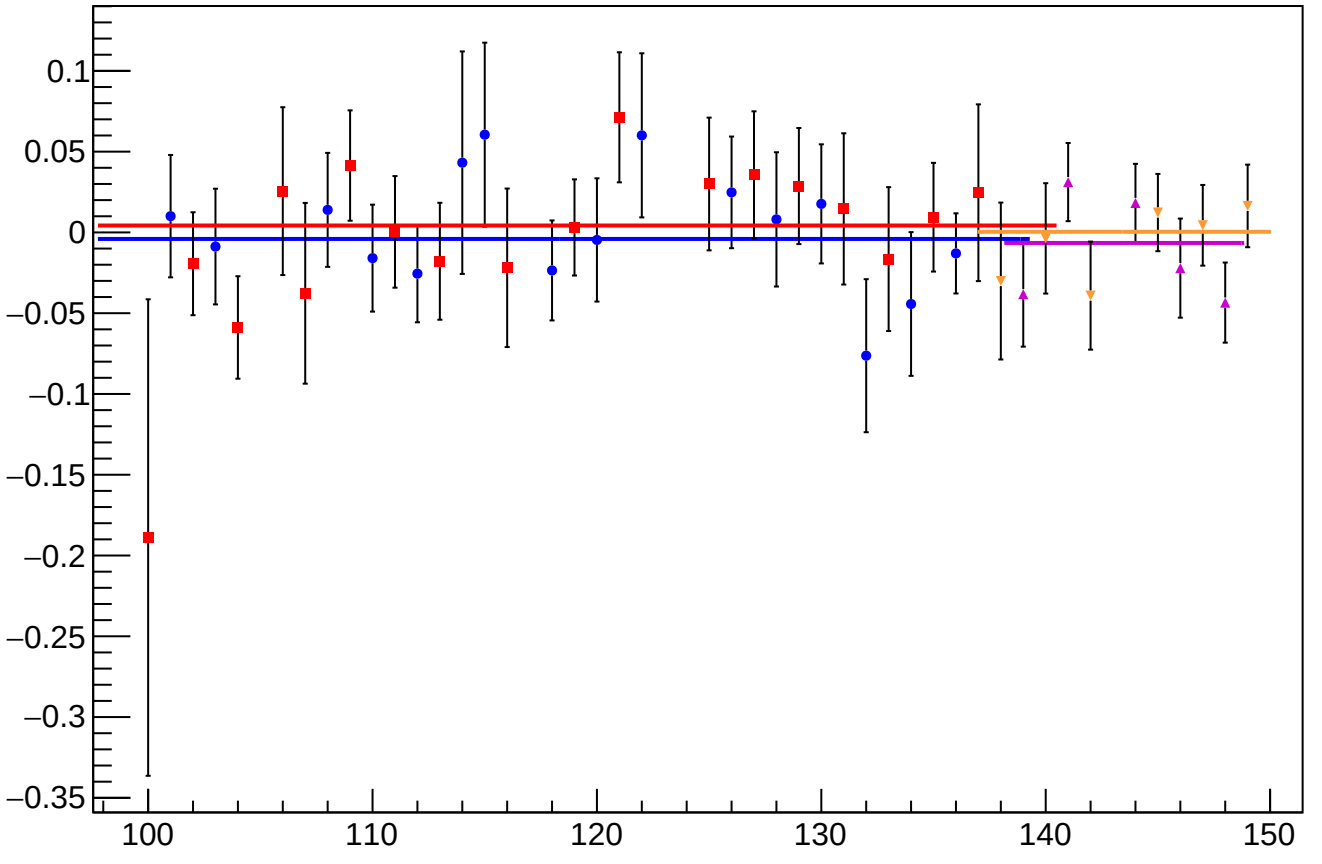
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

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

+ sign 0.002+/-0.000 χ^2/NDF: 5700193.2/21

All: 0.001+/-0.000 χ^2/NDF: 15929742.2/44

- 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: 0.000+/-0.012 χ^2/NDF:2.5/5

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

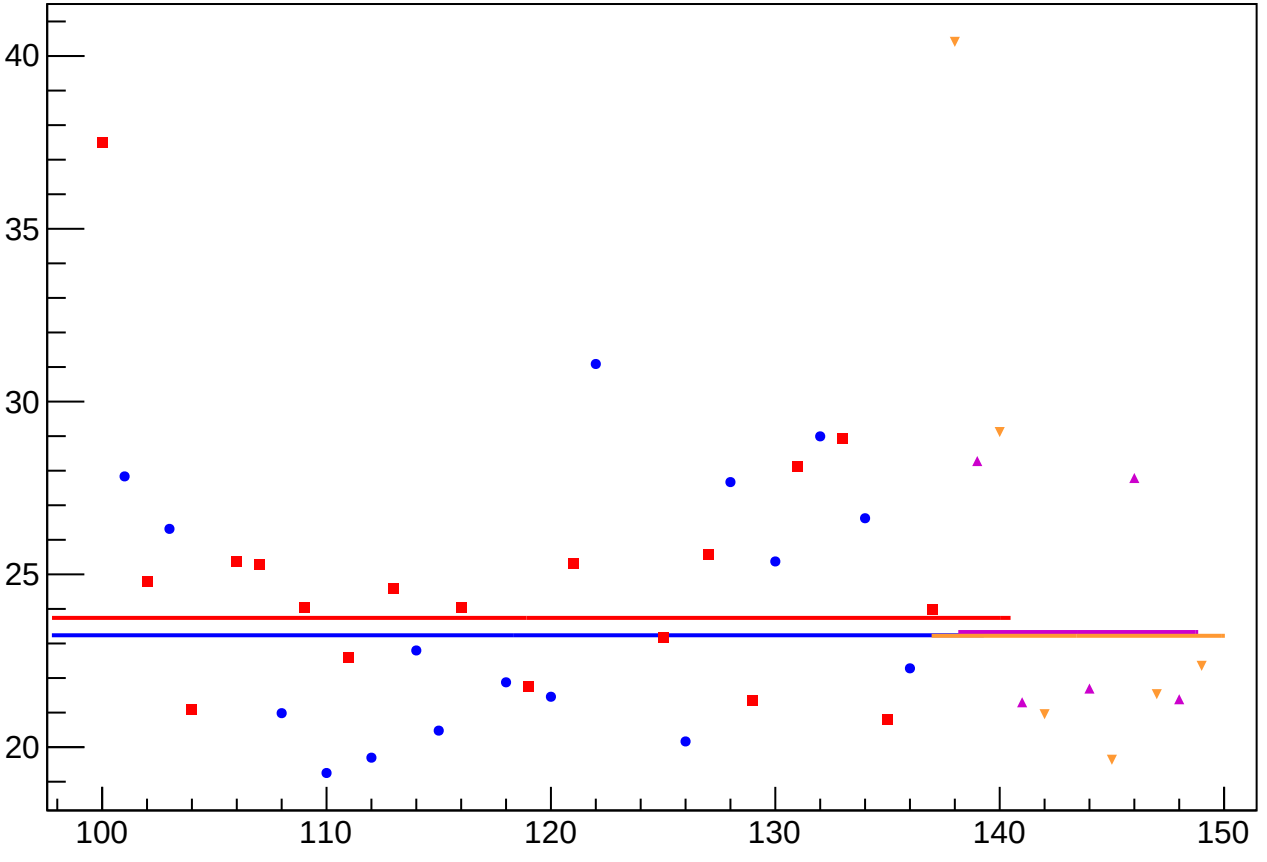
Left In: -0.007+/-0.012 χ^2/NDF:6.9/4

+ sign -0.002+/-0.007 χ^2/NDF: 11.8/21

All: -0.001+/-0.005 χ^2/NDF: 32.7/44

- 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: 23.222+/-0.008 χ^2/NDF:375745.1/5

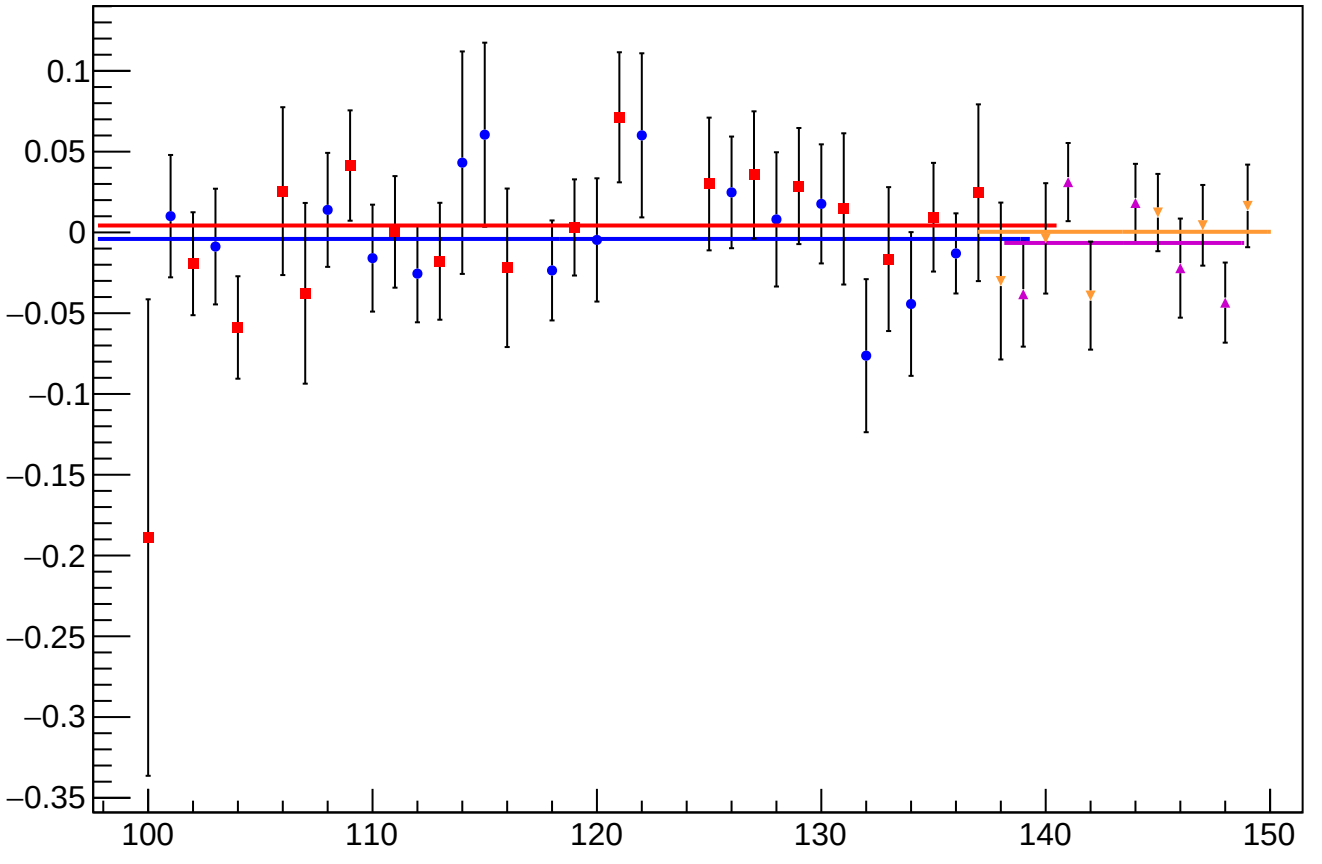
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

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

+ sign 23.232+/-0.005 χ^2/NDF: 634971.2/21

All: 23.408+/-0.004 χ^2/NDF: 889100.5/44

- 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: 0.000+/-0.012 χ^2/NDF:2.5/5

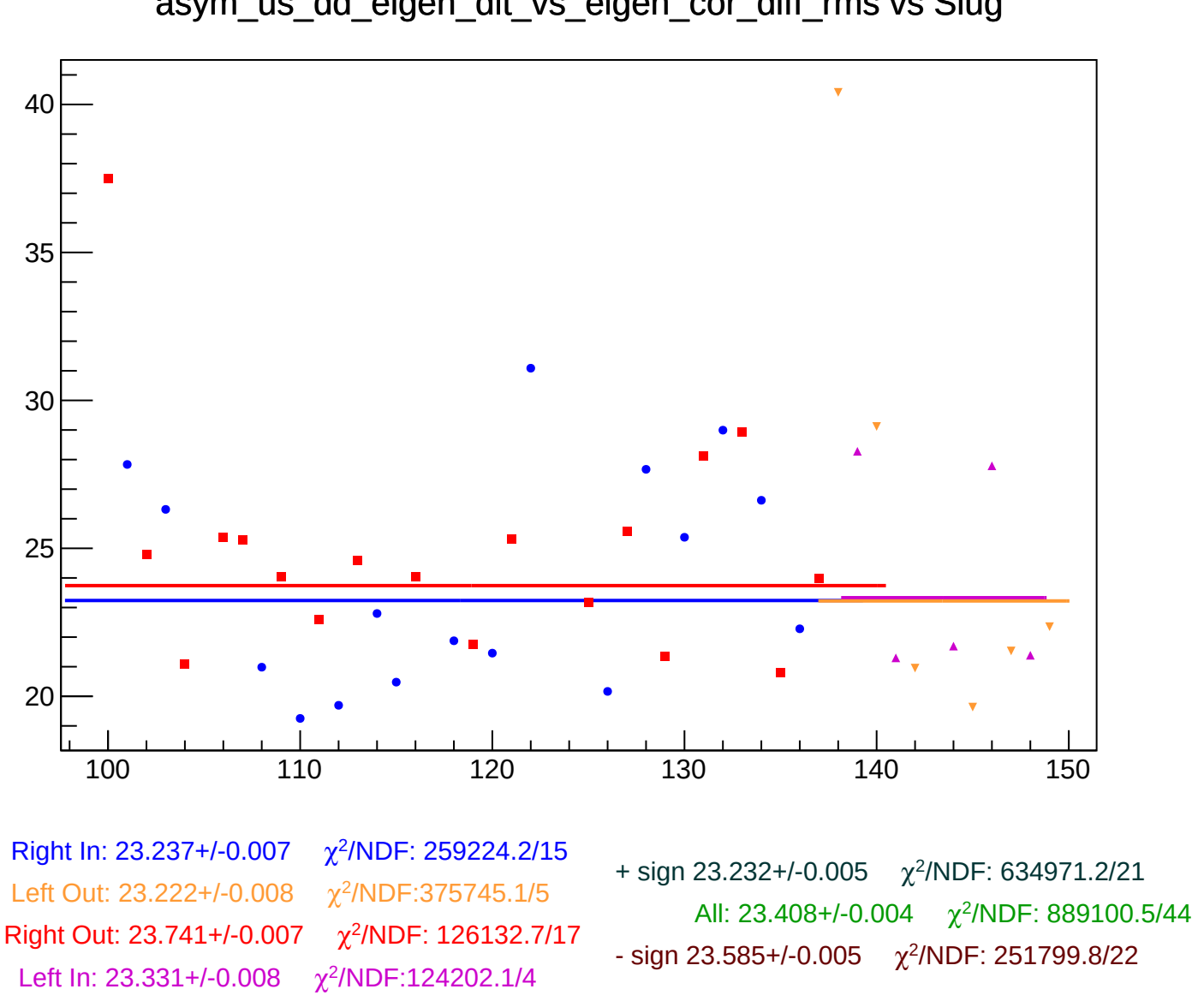
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.007+/-0.012 χ^2/NDF:6.9/4

+ sign -0.002+/-0.007 χ^2/NDF: 11.8/21

All: -0.001+/-0.005 χ^2/NDF: 32.7/44

- sign 0.000+/-0.007 χ^2/NDF: 20.9/22


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
40
35
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25
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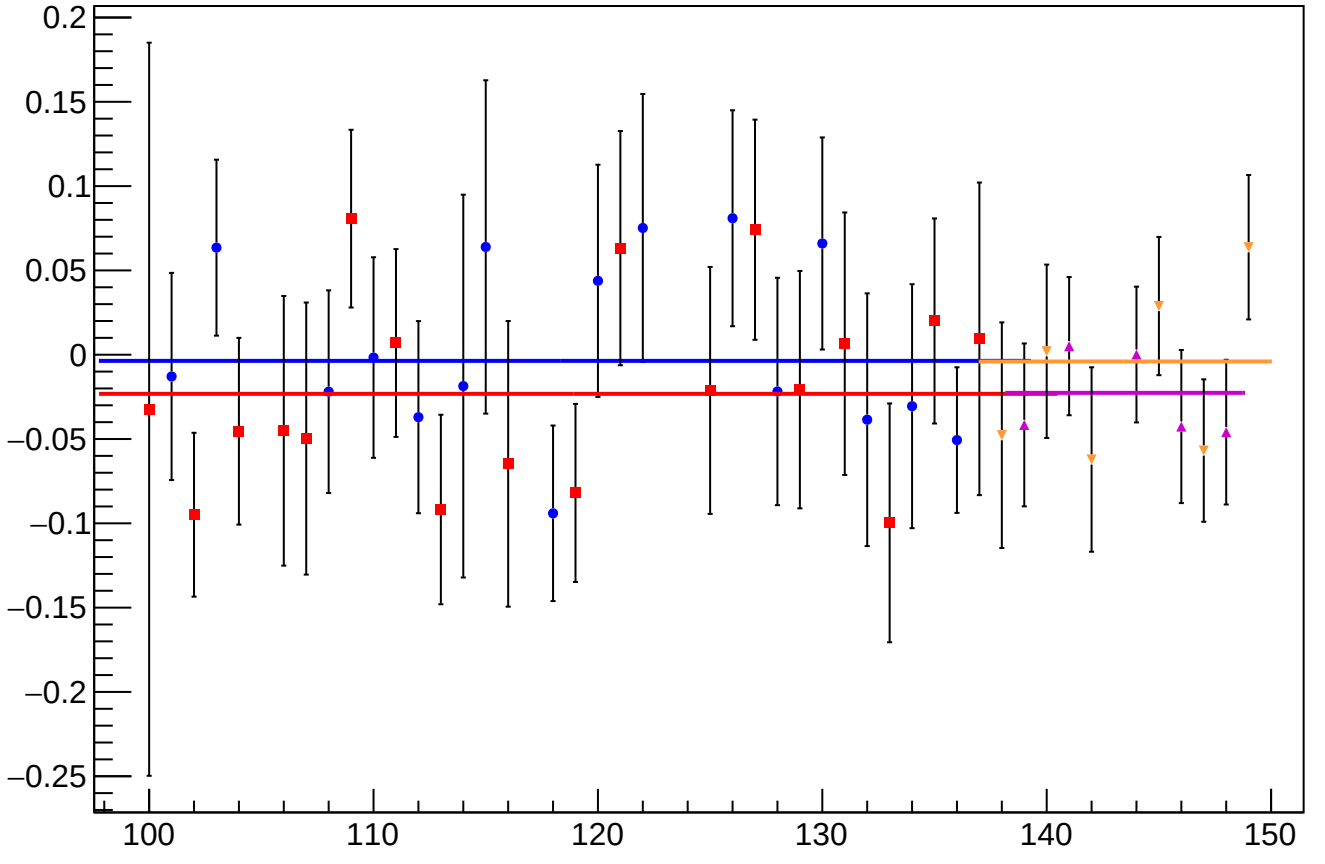
100
110
120
130
140
150
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 23.222+/-0.008 χ²/NDF:375745.1/5
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 23.331+/-0.008 χ²/NDF:124202.1/4
+ sign 23.232+/-0.005 χ²/NDF: 634971.2/21
All: 23.408+/-0.004 χ²/NDF: 889100.5/44
- sign 23.585+/-0.005 χ²/NDF: 251799.8/22



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

Left Out: -0.004+/-0.019 χ^2/NDF:6.3/5

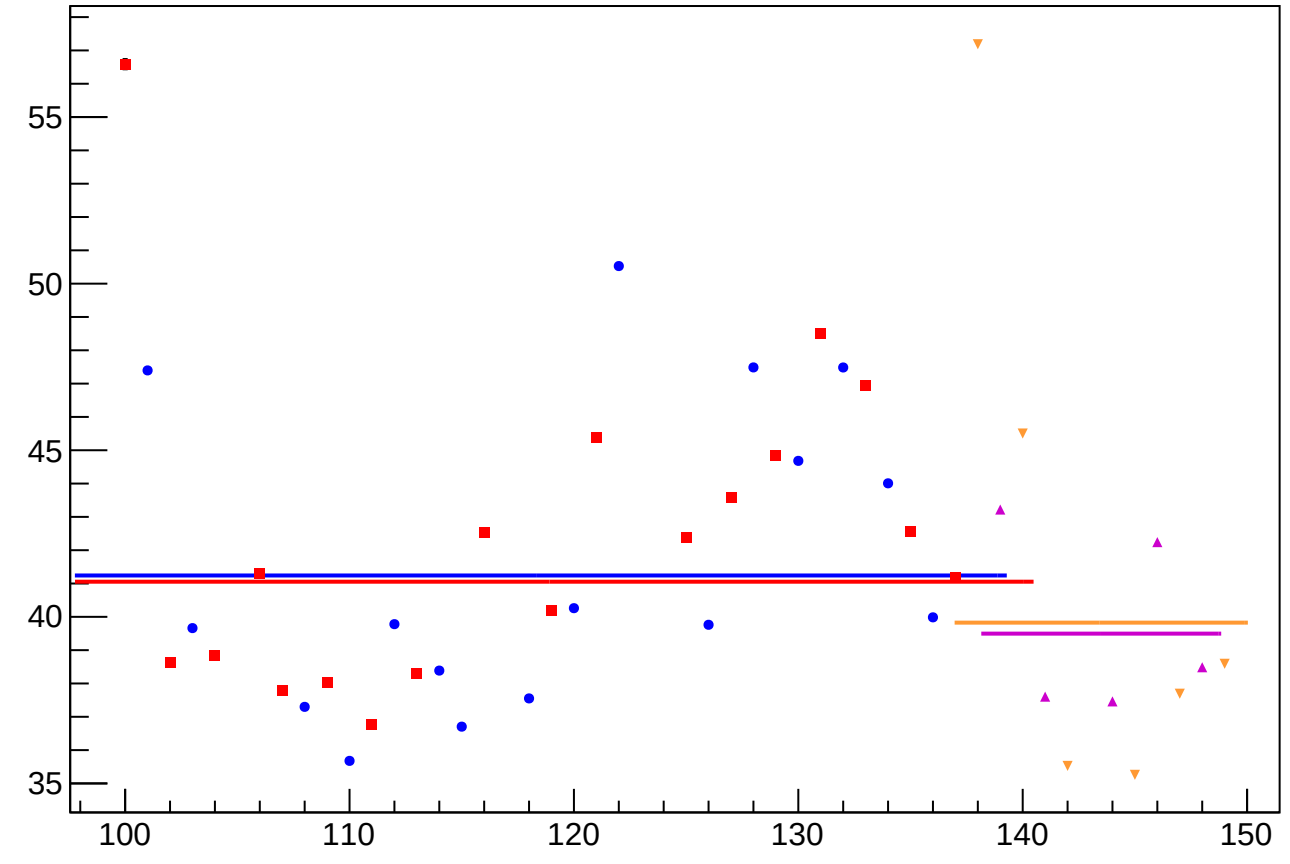
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.023+/-0.019 χ^2/NDF:1.4/4

+ sign -0.004+/-0.012 χ^2/NDF: 17.9/21

All: -0.013+/-0.009 χ^2/NDF: 36.0/44

- 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: 39.826+/-0.014 χ^2/NDF:202956.1/5

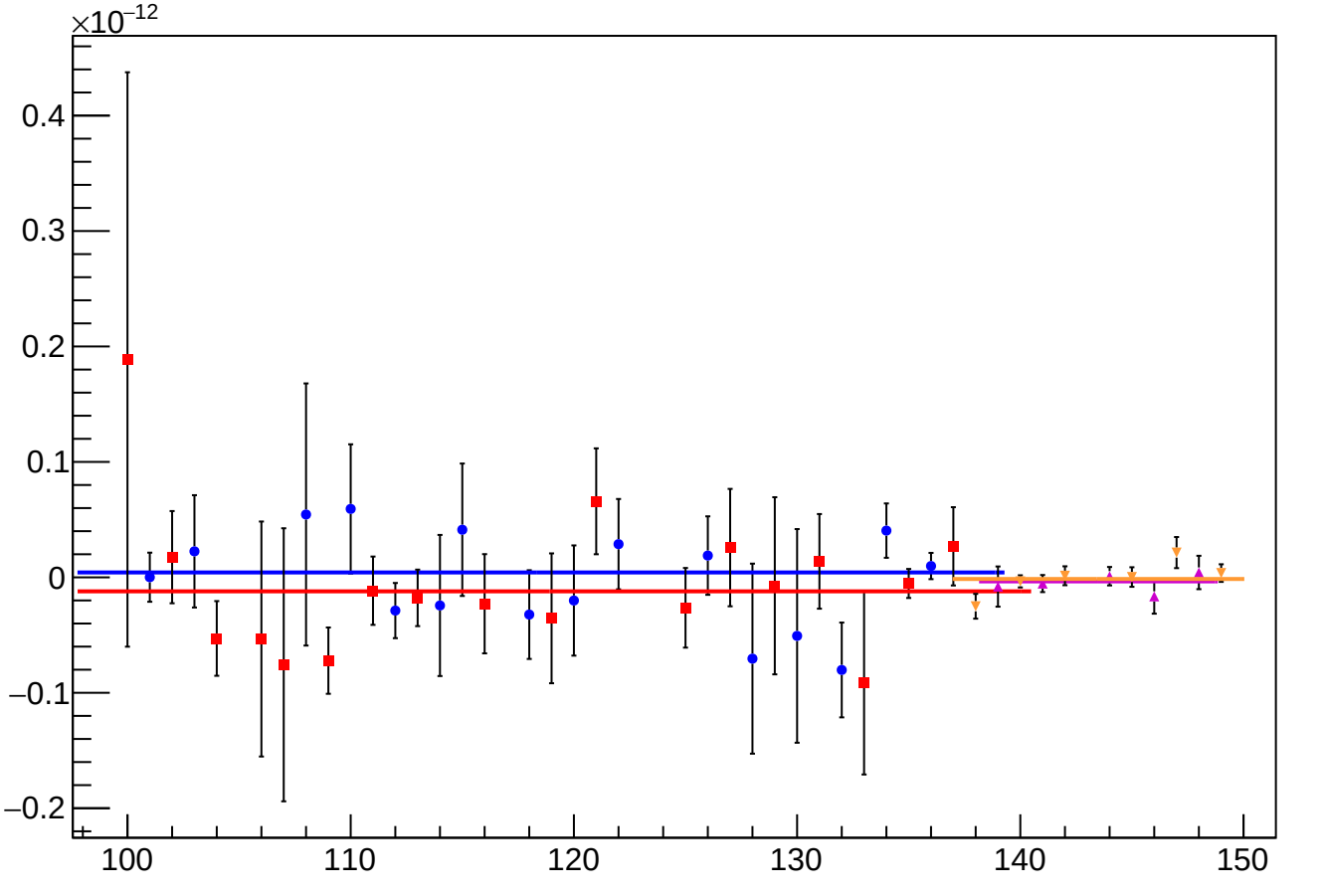
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

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

+ sign 40.682+/-0.009 χ^2/NDF: 344602.9/21

All: 40.563+/-0.006 χ^2/NDF: 479100.5/44

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



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.5/5

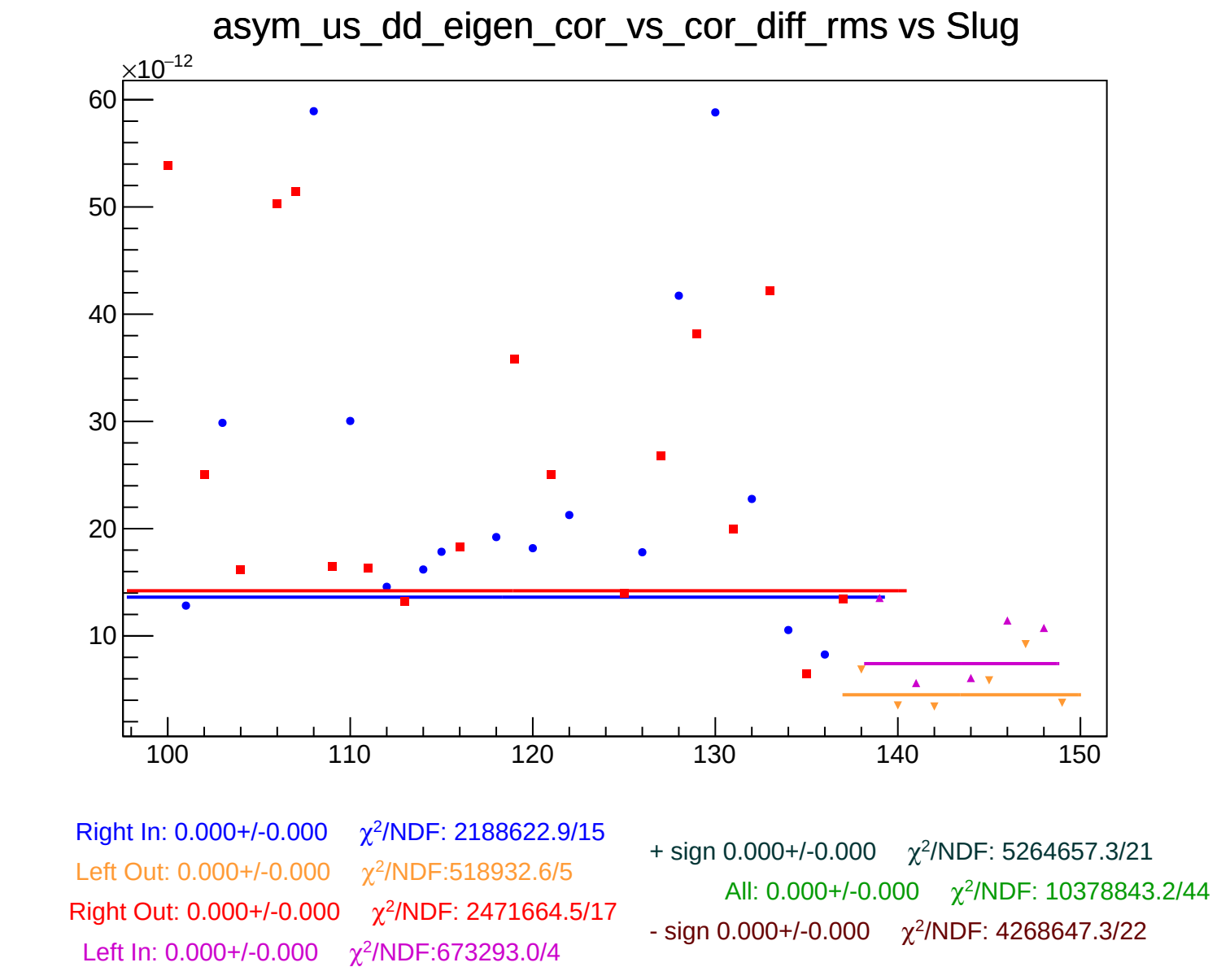
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 22.6/21

All: -0.000+/-0.000 χ^2/NDF: 40.7/44

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


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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20
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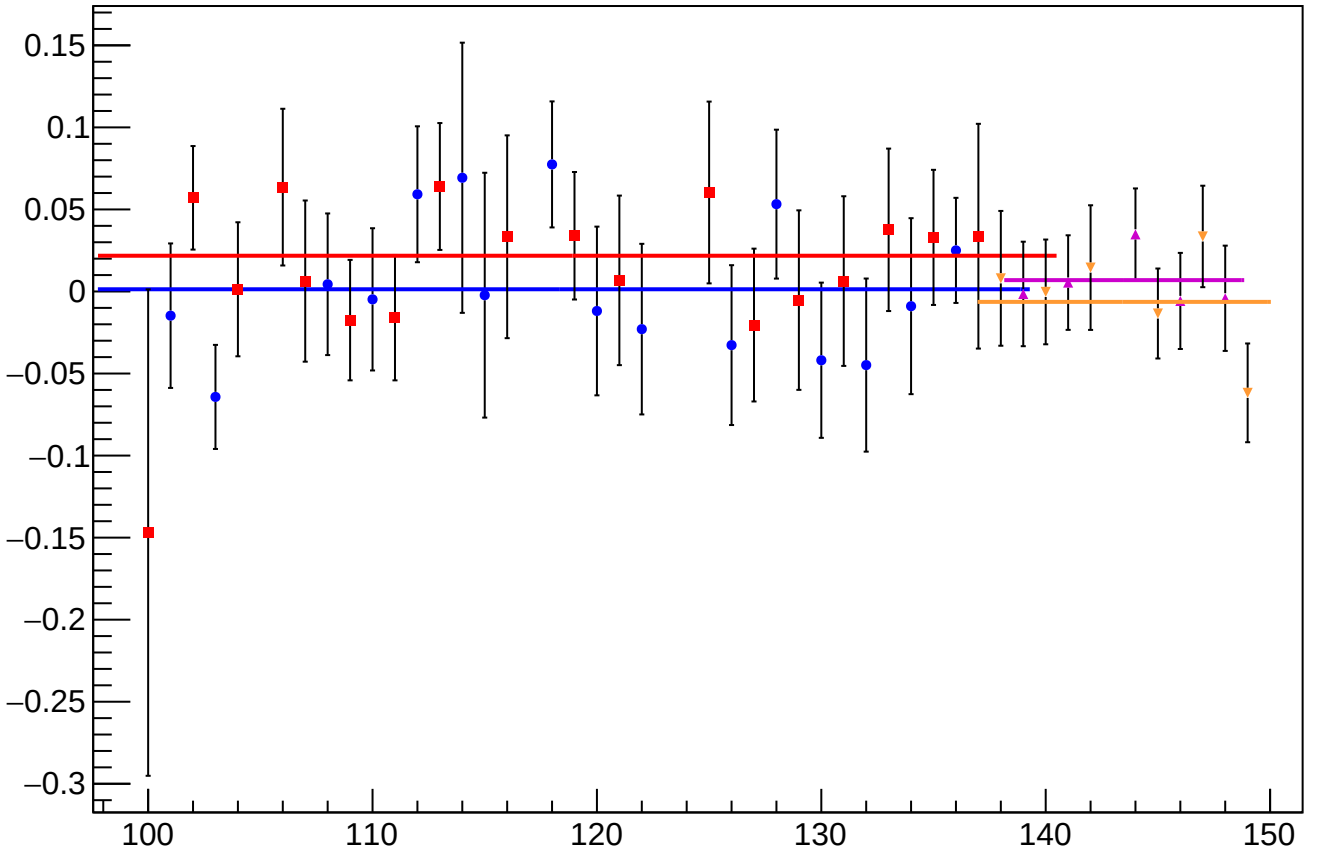
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:518932.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:673293.0/4
+ sign 0.000+/-0.000 χ²/NDF: 5264657.3/21
All: 0.000+/-0.000 χ²/NDF: 10378843.2/44
- sign 0.000+/-0.000 χ²/NDF: 4268647.3/22



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

Left Out: -0.006+/-0.013 χ^2/NDF:5.6/5

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

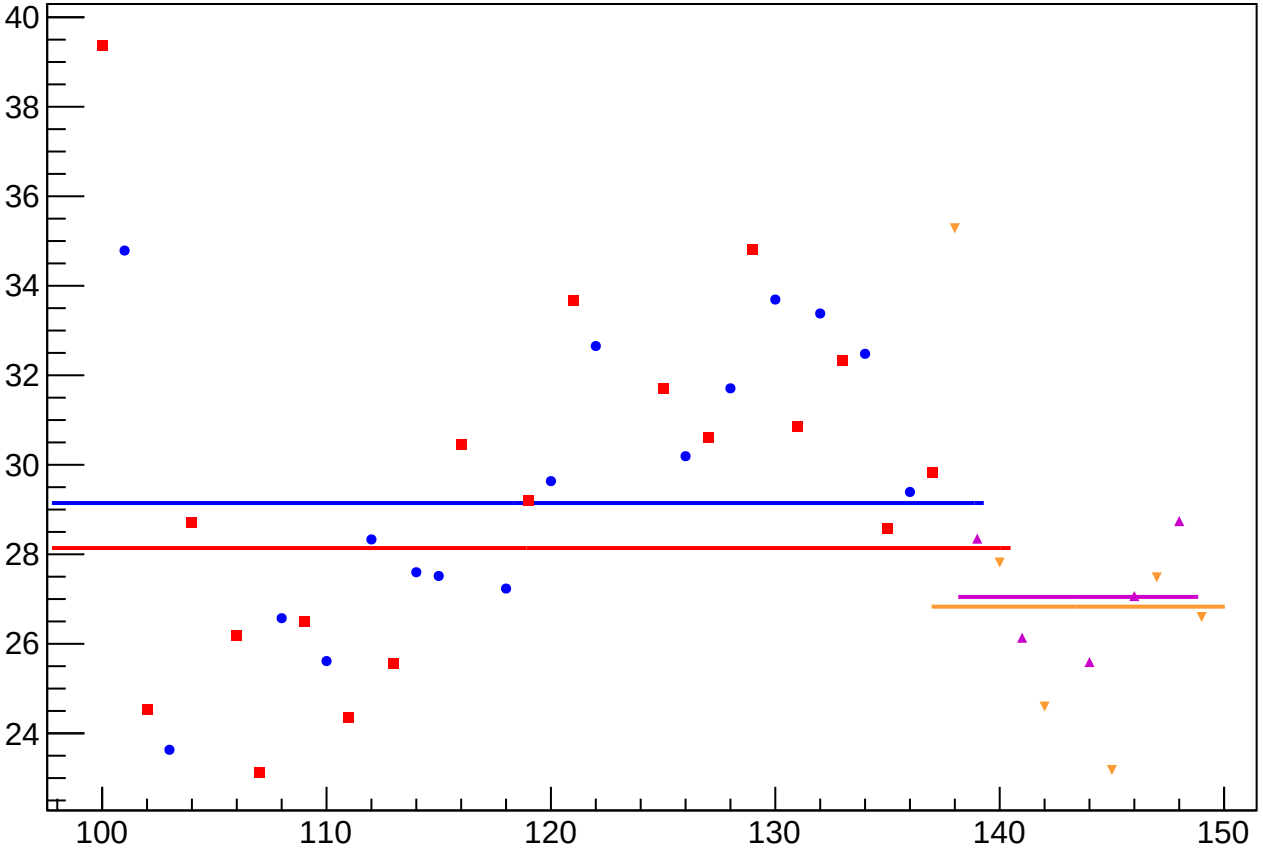
Left In: 0.007+/-0.013 χ^2/NDF:1.4/4

+ sign -0.002+/-0.009 χ^2/NDF: 21.1/21

All: 0.007+/-0.006 χ^2/NDF: 34.4/44

- 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: 26.830+/-0.009 χ^2/NDF:130034.1/5

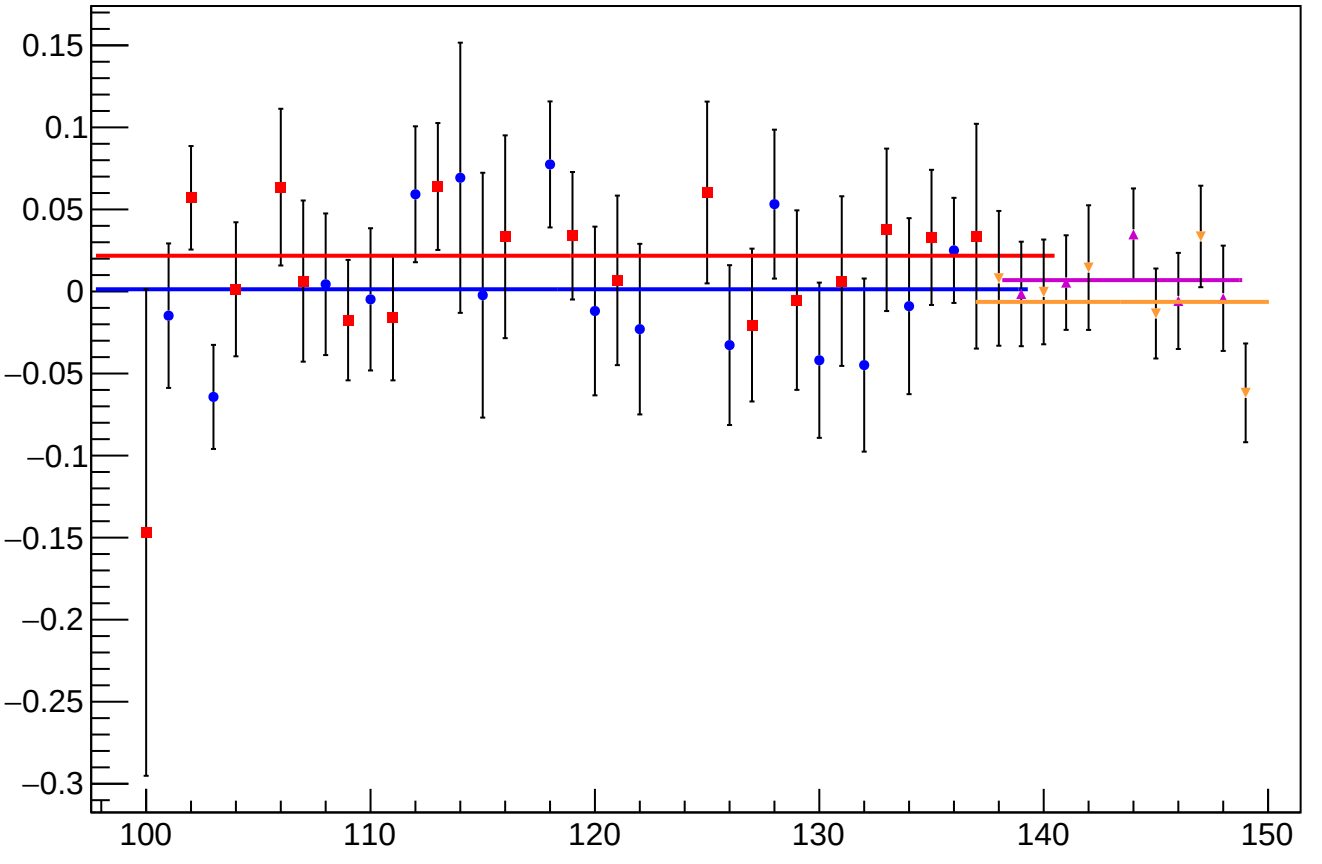
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

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

+ sign 28.174+/-0.006 χ^2/NDF: 342695.1/21

All: 27.938+/-0.004 χ^2/NDF: 557243.8/44

- 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: -0.006+/-0.013 χ^2/NDF:5.6/5

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

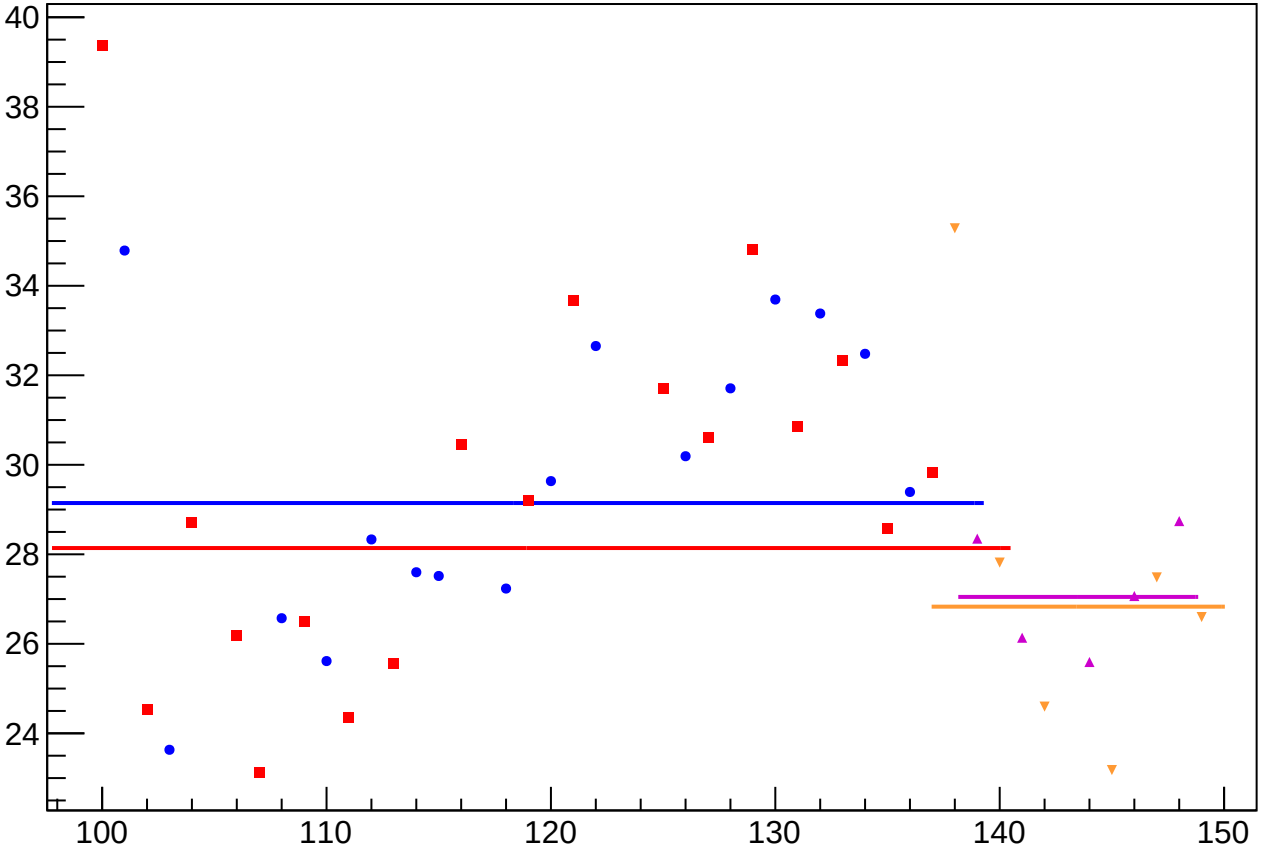
Left In: 0.007+/-0.013 χ^2/NDF:1.4/4

+ sign -0.002+/-0.009 χ^2/NDF: 21.1/21

All: 0.007+/-0.006 χ^2/NDF: 34.4/44

- sign 0.016+/-0.008 χ^2/NDF: 11.2/22

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 26.830+/-0.009 χ^2/NDF:130034.1/5

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

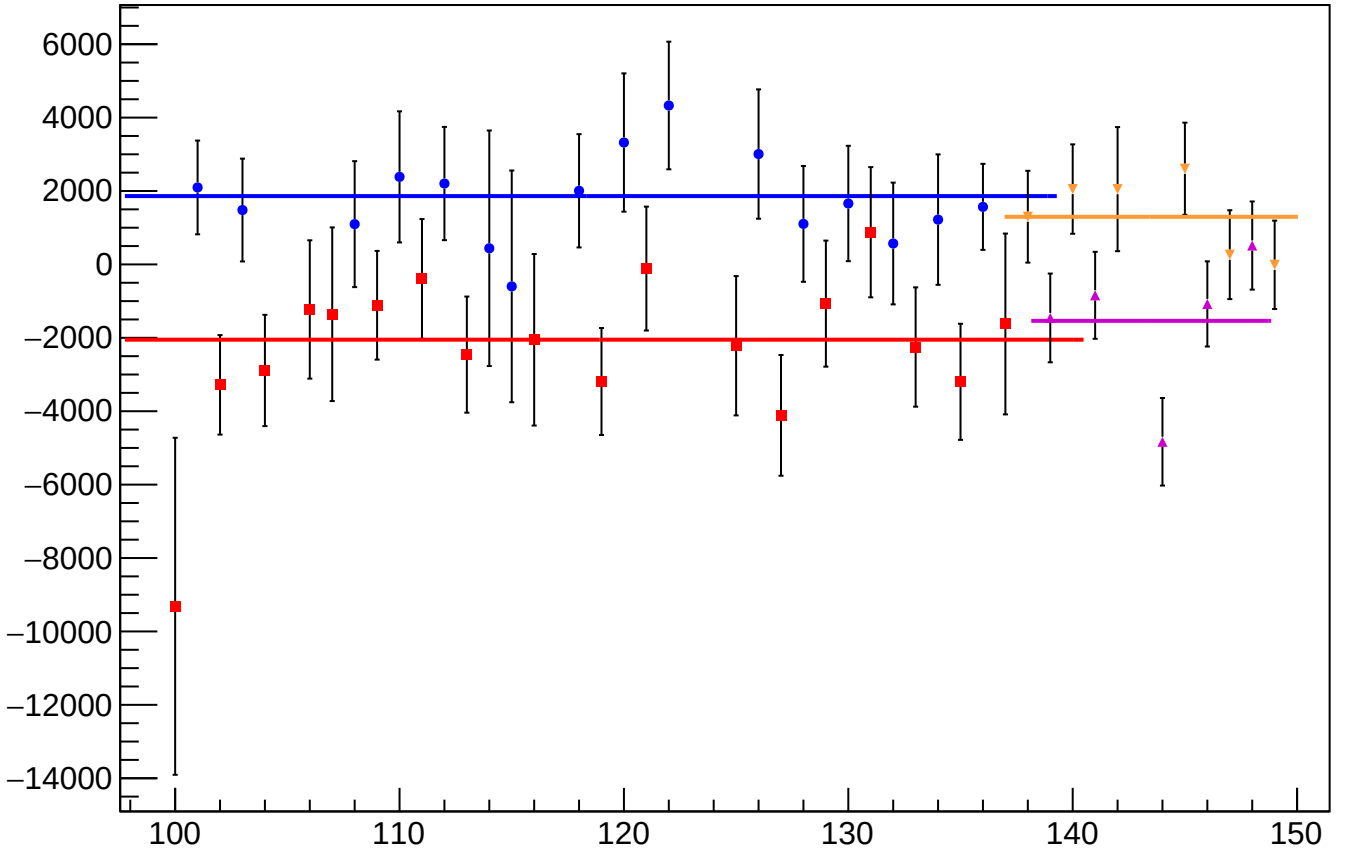
Left In: 27.048+/-0.009 χ^2/NDF:16331.6/4

+ sign 28.174+/-0.006 χ^2/NDF: 342695.1/21

All: 27.938+/-0.004 χ^2/NDF: 557243.8/44

- 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: 1297.203+/-521.992 χ^2/NDF:3.6/5

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

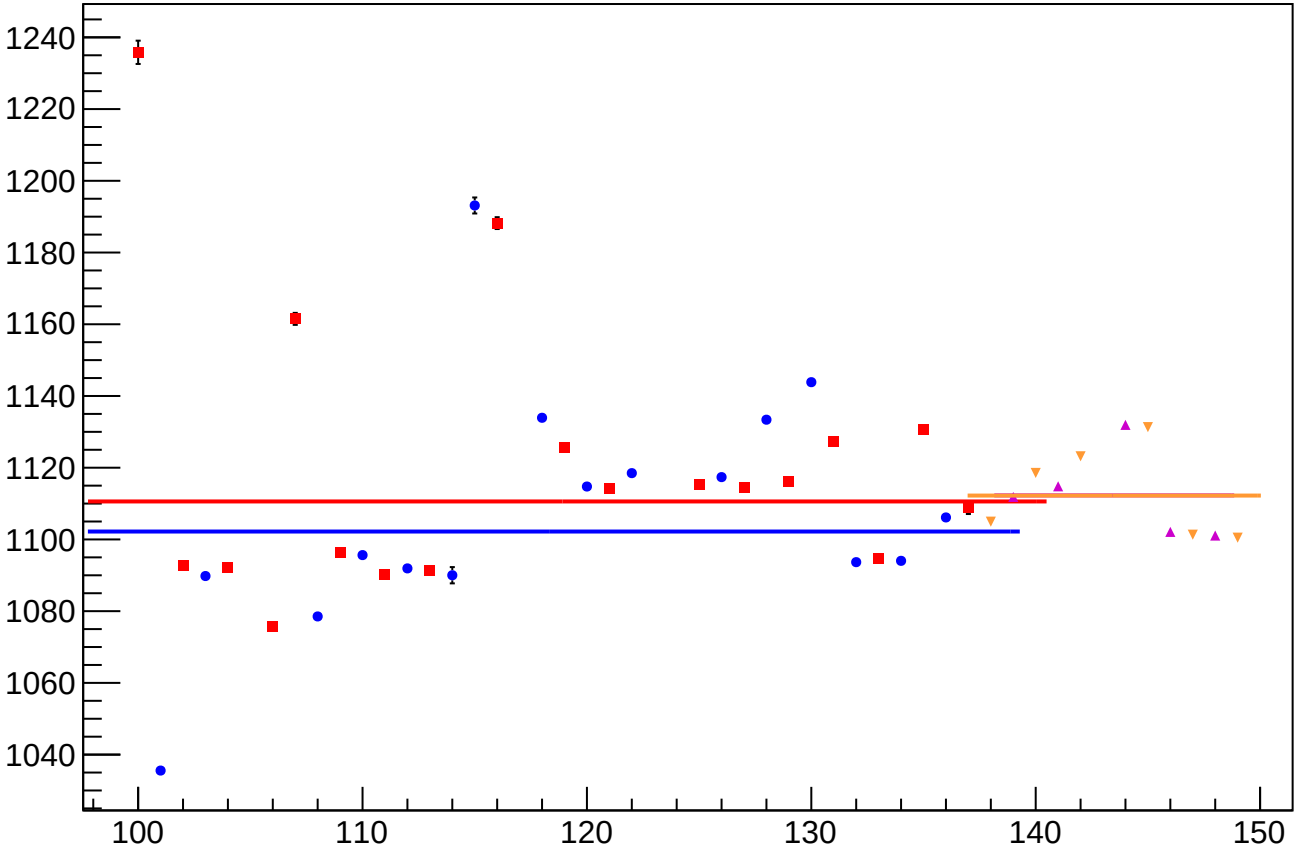
Left In: -1537.436+/-531.808 χ^2/NDF:11.1/4

+ sign 1646.519+/-322.200 χ^2/NDF: 9.6/21

All: -95.122+/-228.580 χ^2/NDF: 92.6/44

- 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: 1112.233+/-0.369 χ^2/NDF:1020.1/5

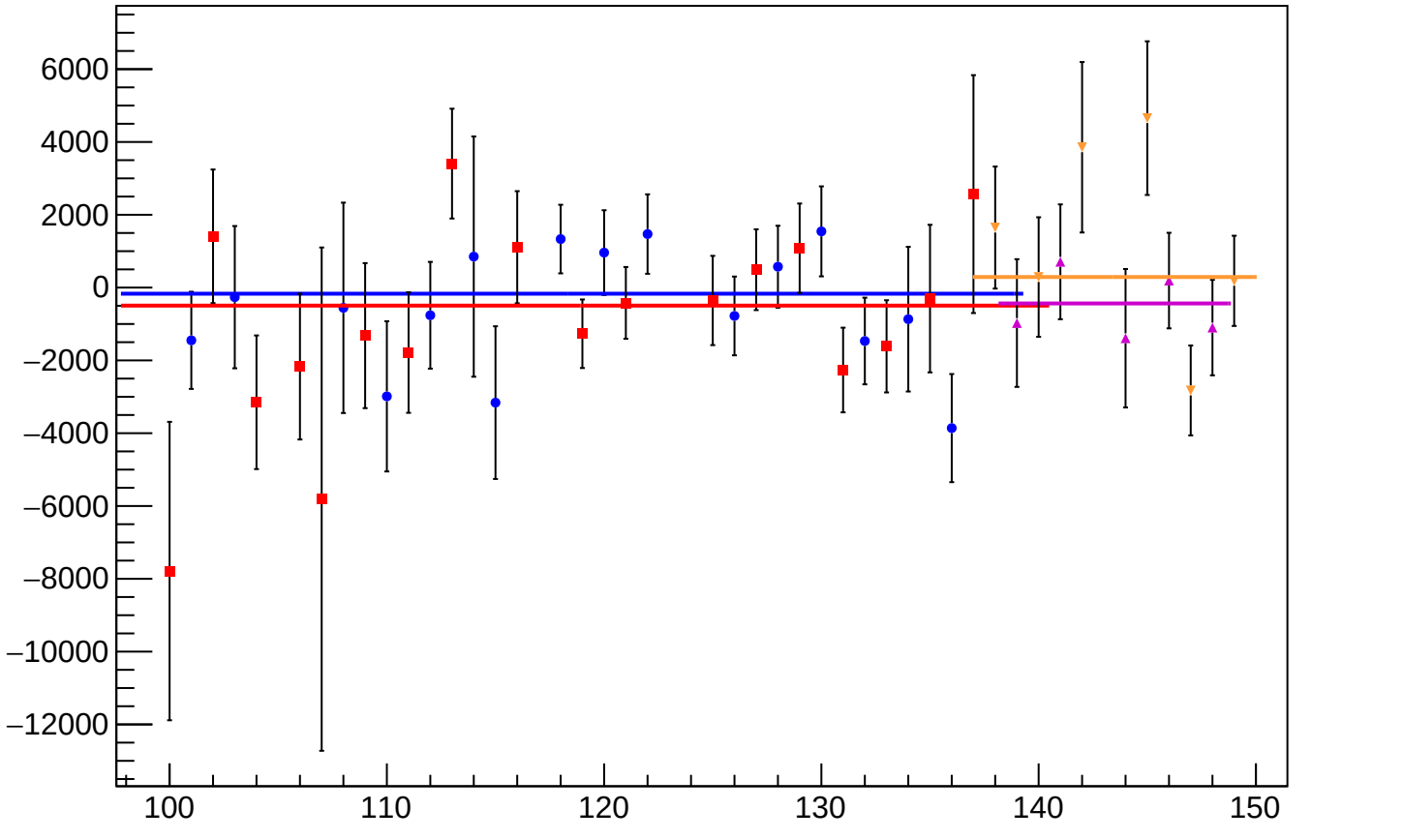
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

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

+ sign 1106.026+/-0.228 χ^2/NDF: 12825.9/21

All: 1108.606+/-0.162 χ^2/NDF: 21673.5/44

- 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: 290.404+/-640.015 χ^2/NDF:13.6/5

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

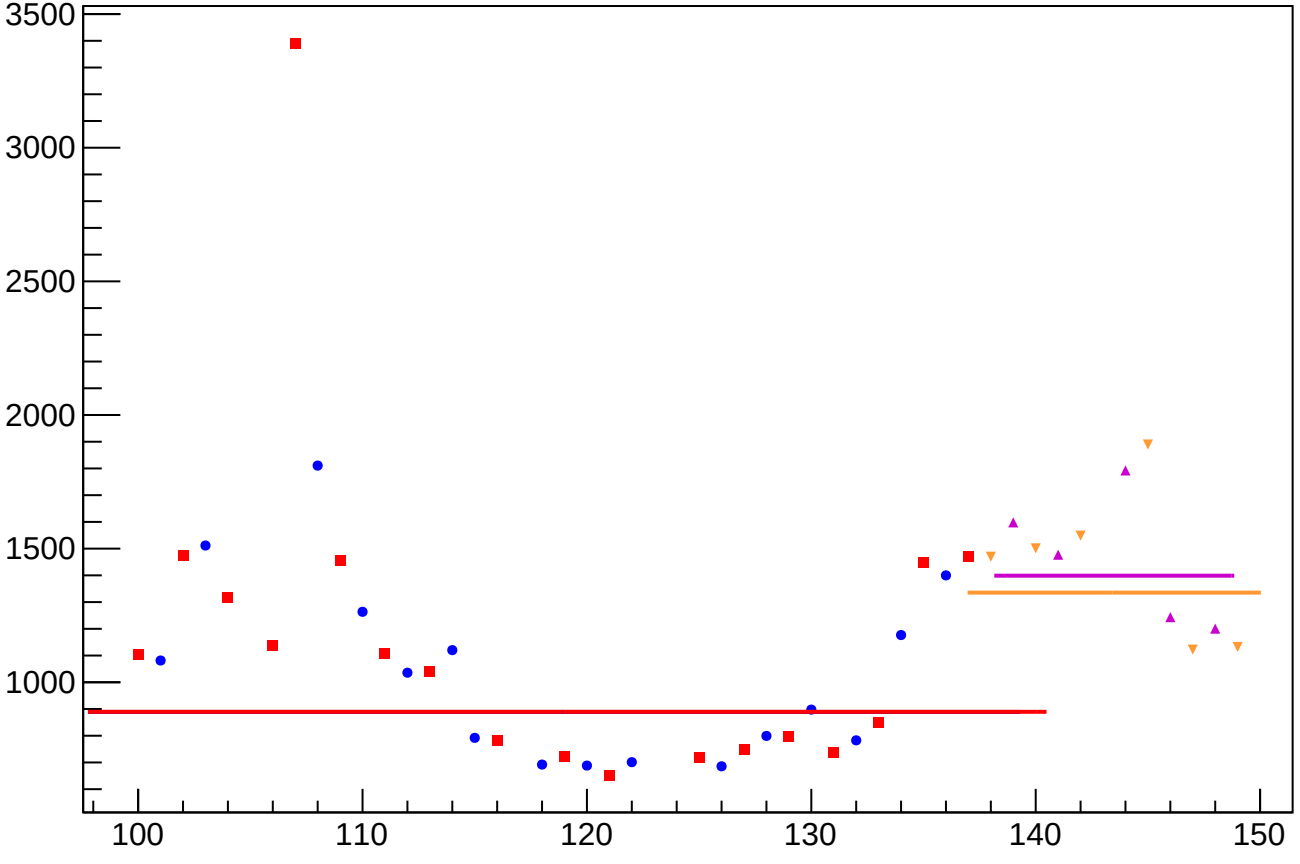
Left In: -435.793+/-679.565 χ^2/NDF:1.4/4

+ sign -64.501+/-303.989 χ^2/NDF: 35.0/21

All: -271.236+/-216.241 χ^2/NDF: 60.6/44

- 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: 1335.483+/-0.453 χ^2/NDF:301200.9/5

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

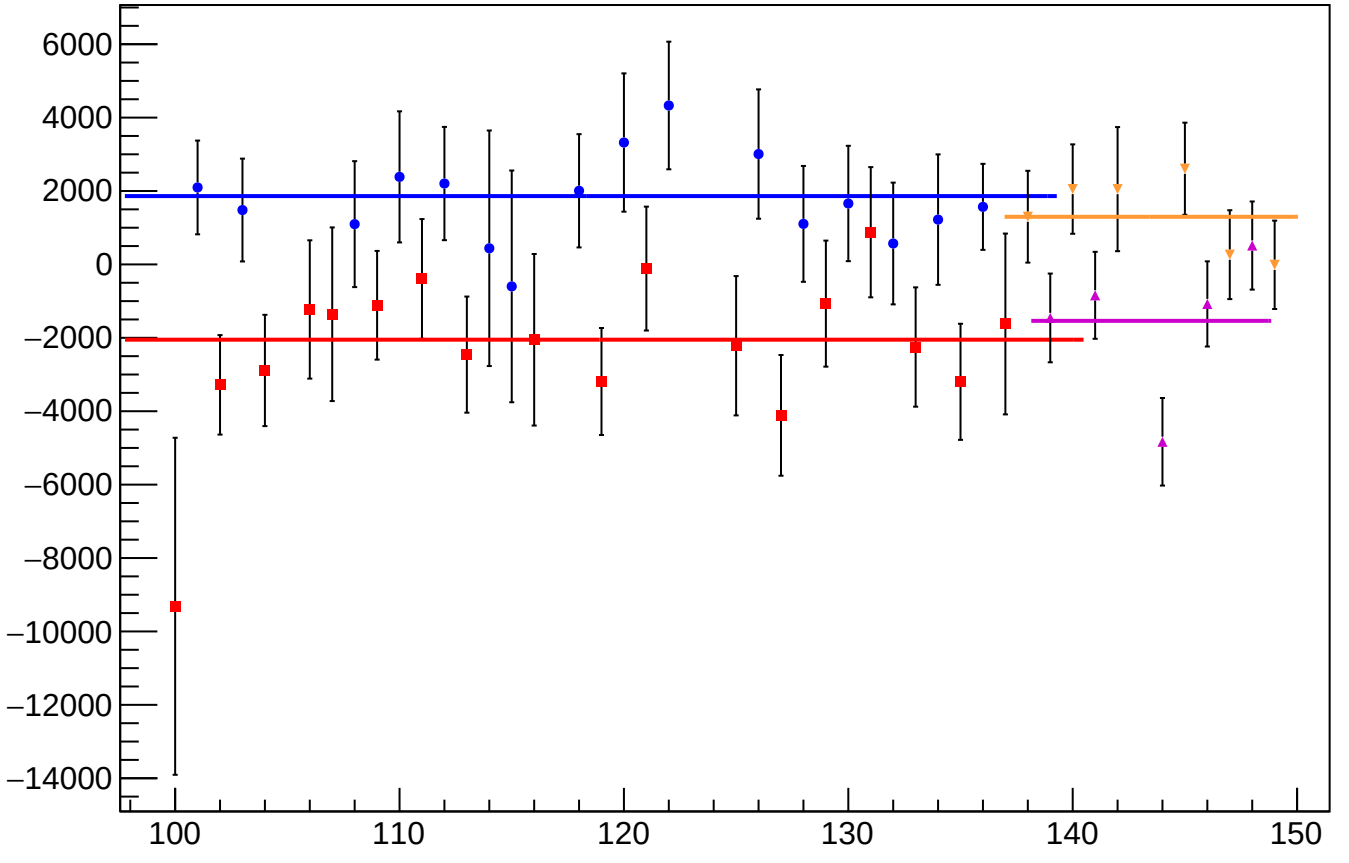
Left In: 1398.819+/-0.481 χ^2/NDF:190127.0/4

+ sign 989.691+/-0.215 χ^2/NDF: 2187863.4/21

All: 991.760+/-0.153 χ^2/NDF: 4617166.5/44

- 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: 1297.203+/-521.992 χ^2/NDF:3.6/5

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

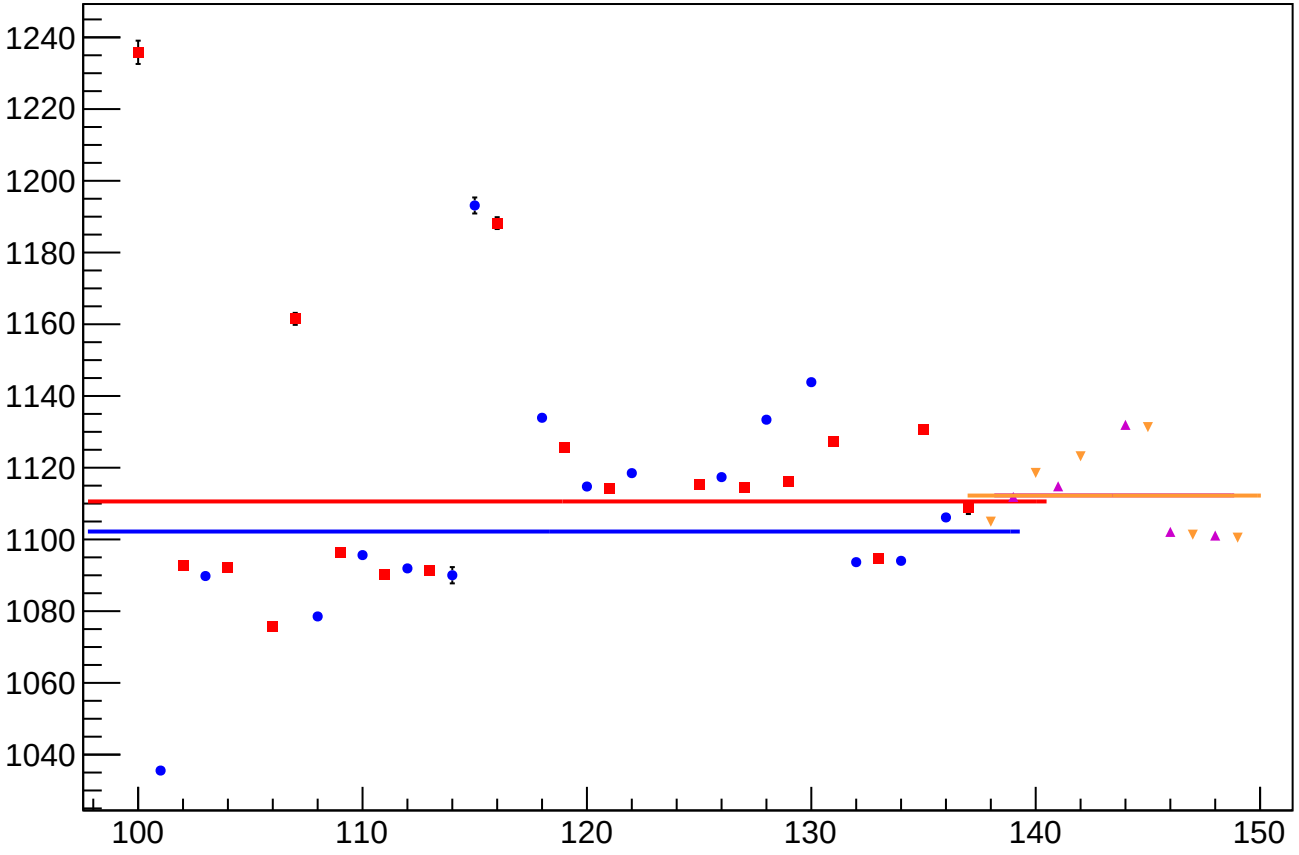
Left In: -1537.436+/-531.808 χ^2/NDF:11.1/4

+ sign 1646.519+/-322.200 χ^2/NDF: 9.6/21

All: -95.122+/-228.580 χ^2/NDF: 92.6/44

- 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: 1112.233+/-0.369 χ^2/NDF:1020.1/5

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

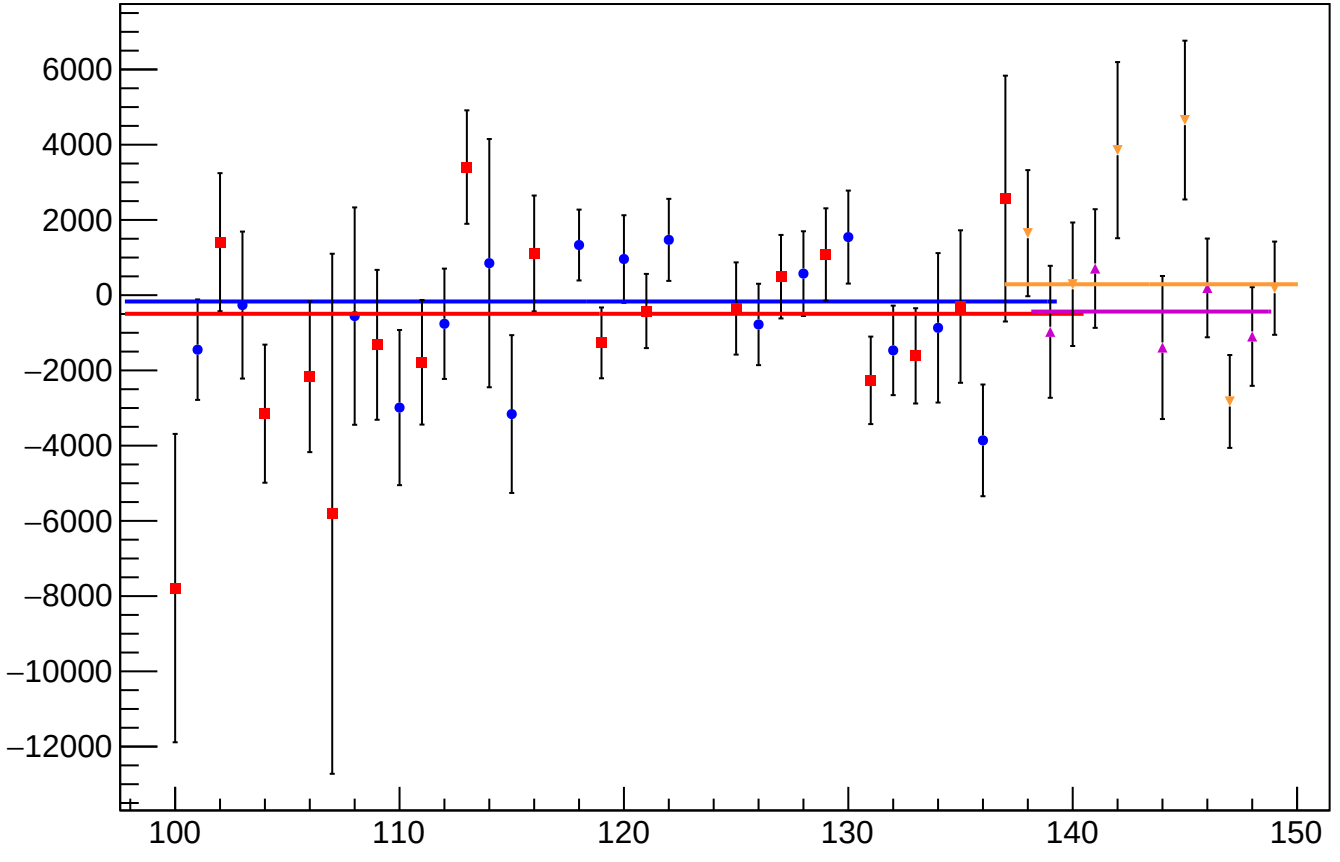
Left In: 1112.282+/-0.376 χ^2/NDF:880.7/4

+ sign 1106.026+/-0.228 χ^2/NDF: 12825.9/21

All: 1108.606+/-0.162 χ^2/NDF: 21673.5/44

- 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: 290.404+/-640.015 χ^2/NDF:13.6/5

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

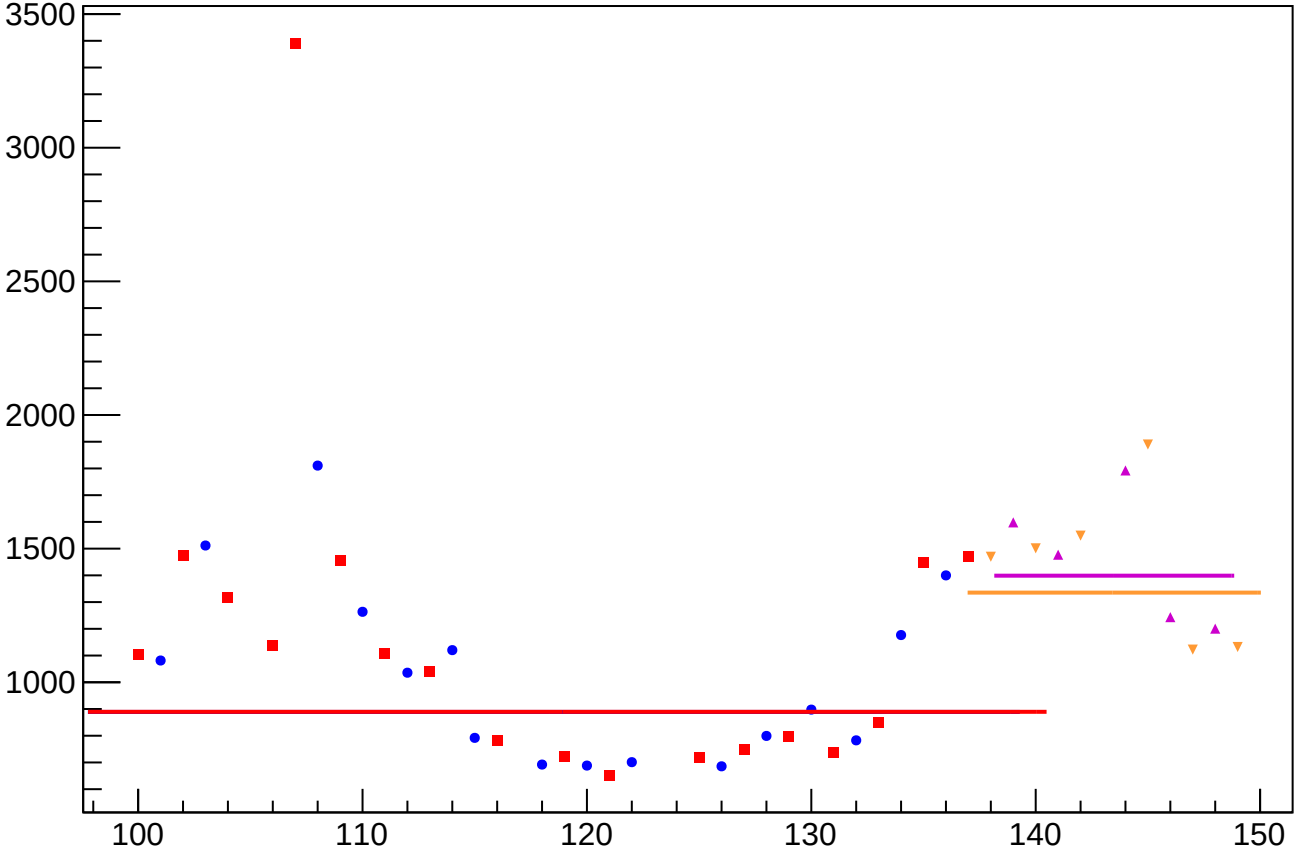
Left In: -435.793+/-679.565 χ^2/NDF:1.4/4

+ sign -64.501+/-303.989 χ^2/NDF: 35.0/21

All: -271.236+/-216.241 χ^2/NDF: 60.6/44

- 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: 1335.483+/-0.453 χ^2/NDF:301200.9/5

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

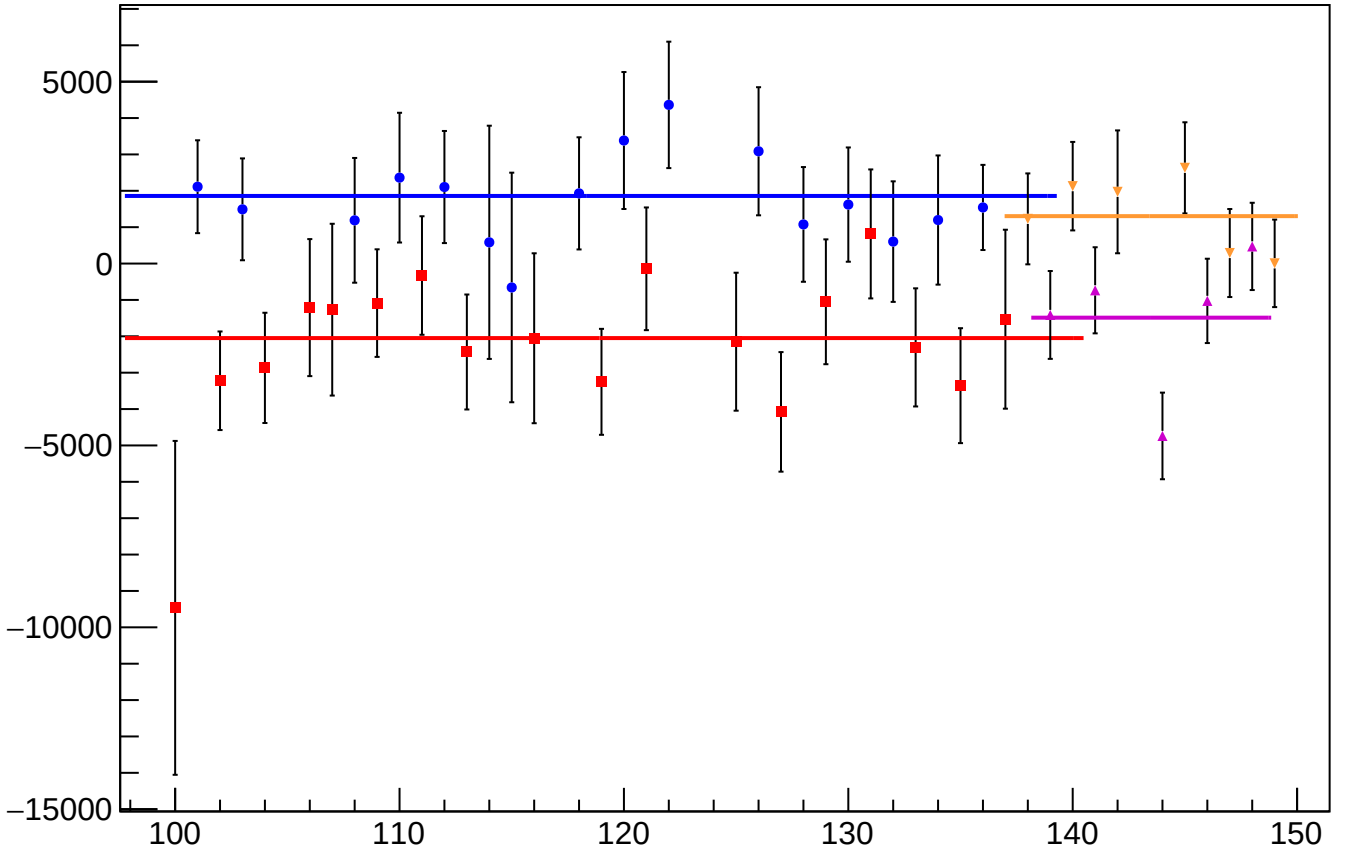
Left In: 1398.819+/-0.481 χ^2/NDF:190127.0/4

+ sign 989.691+/-0.215 χ^2/NDF: 2187863.4/21

All: 991.760+/-0.153 χ^2/NDF: 4617166.5/44

- 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: 1303.382+/-521.360 χ^2/NDF:3.6/5

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

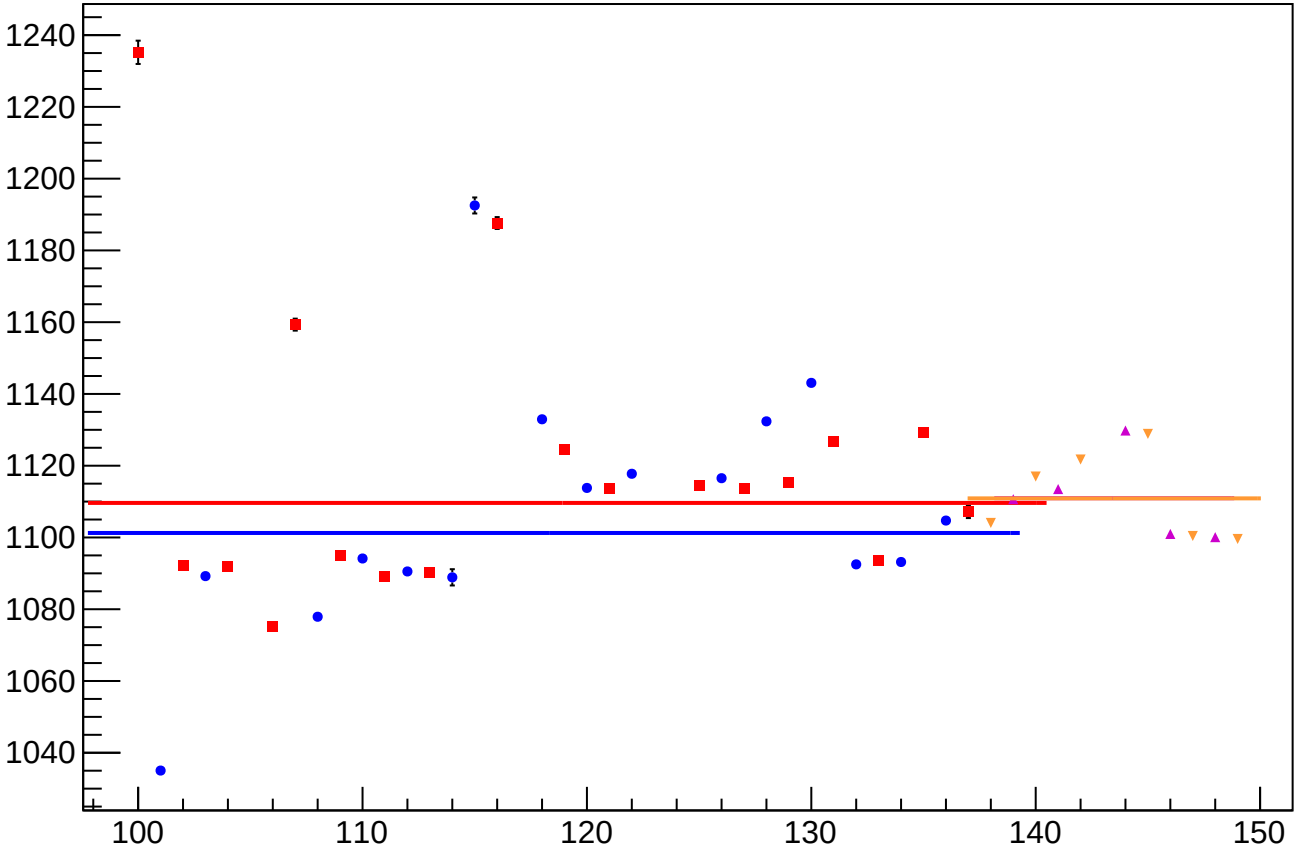
Left In: -1487.576+/-531.164 χ^2/NDF:10.7/4

+ sign 1647.023+/-321.879 χ^2/NDF: 9.7/21

All: -84.936+/-228.352 χ^2/NDF: 92.2/44

- 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: 1110.895+/-0.369 χ^2/NDF:931.1/5

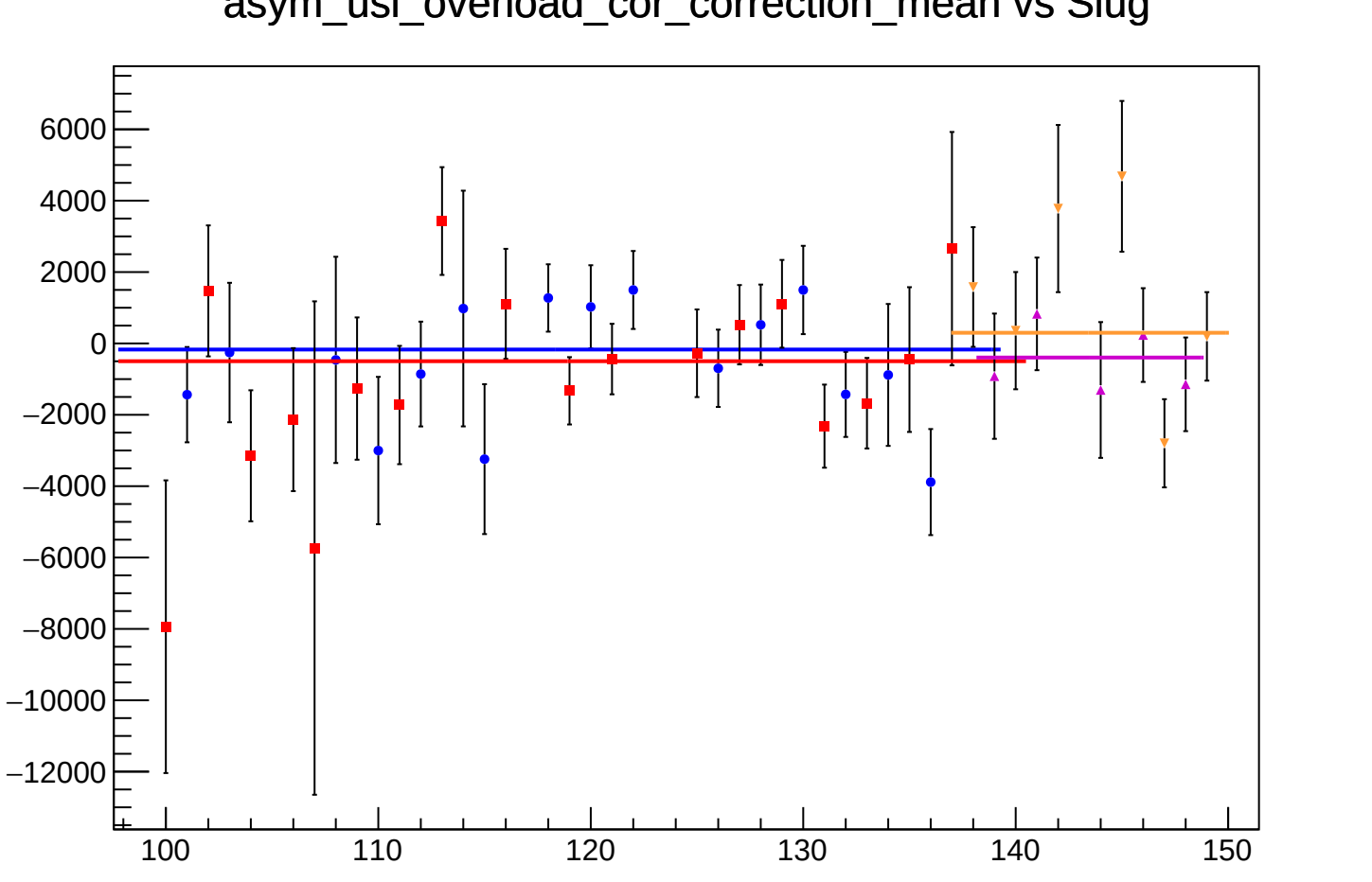
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

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

+ sign 1104.929+/-0.228 χ^2/NDF: 12662.6/21

All: 1107.506+/-0.161 χ^2/NDF: 21423.9/44

- 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: 298.885+/-640.487 χ^2/NDF:13.4/5

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

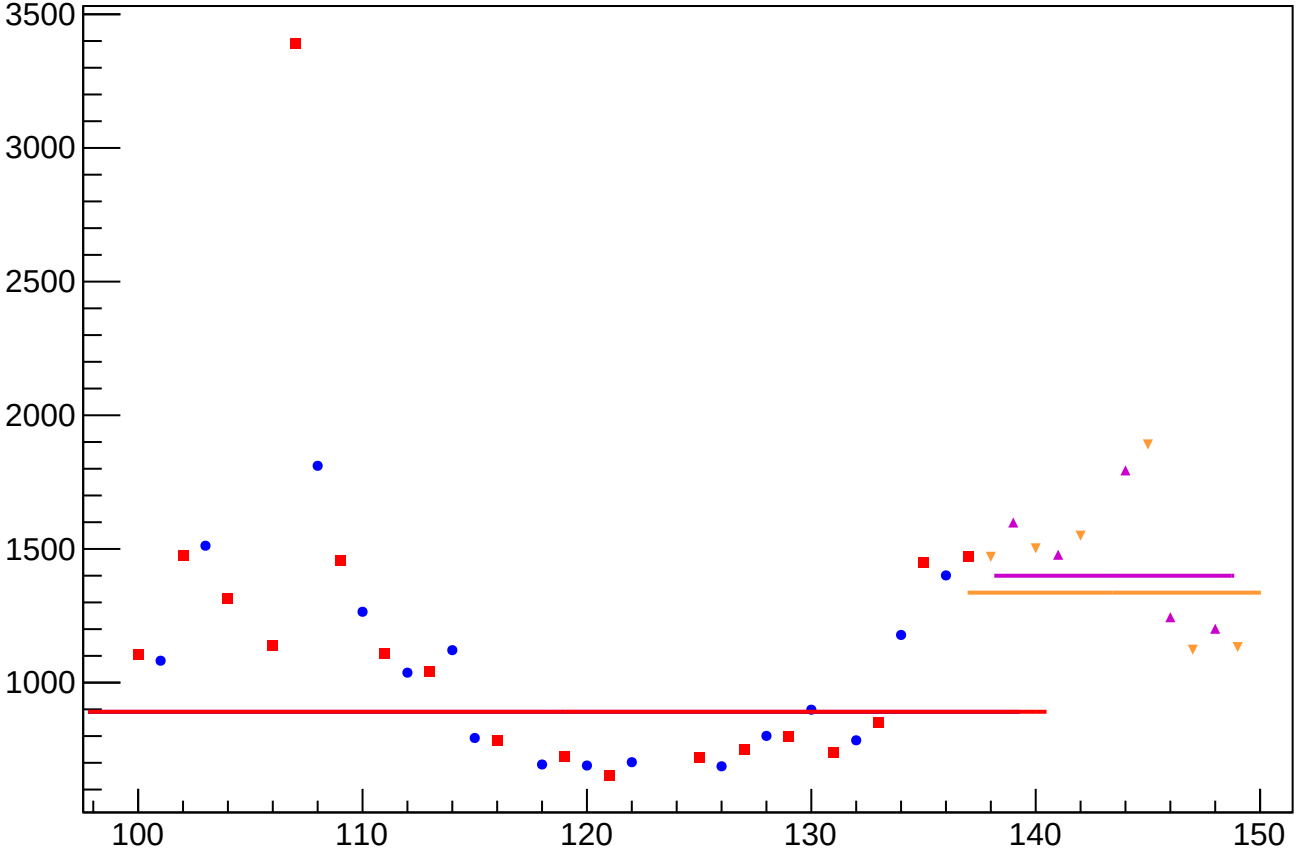
Left In: -395.250+/-680.042 χ^2/NDF:1.5/4

+ sign -64.806+/-304.407 χ^2/NDF: 34.7/21

All: -268.377+/-216.532 χ^2/NDF: 61.0/44

- 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: 1336.491+/-0.453 χ^2/NDF:301040.4/5

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

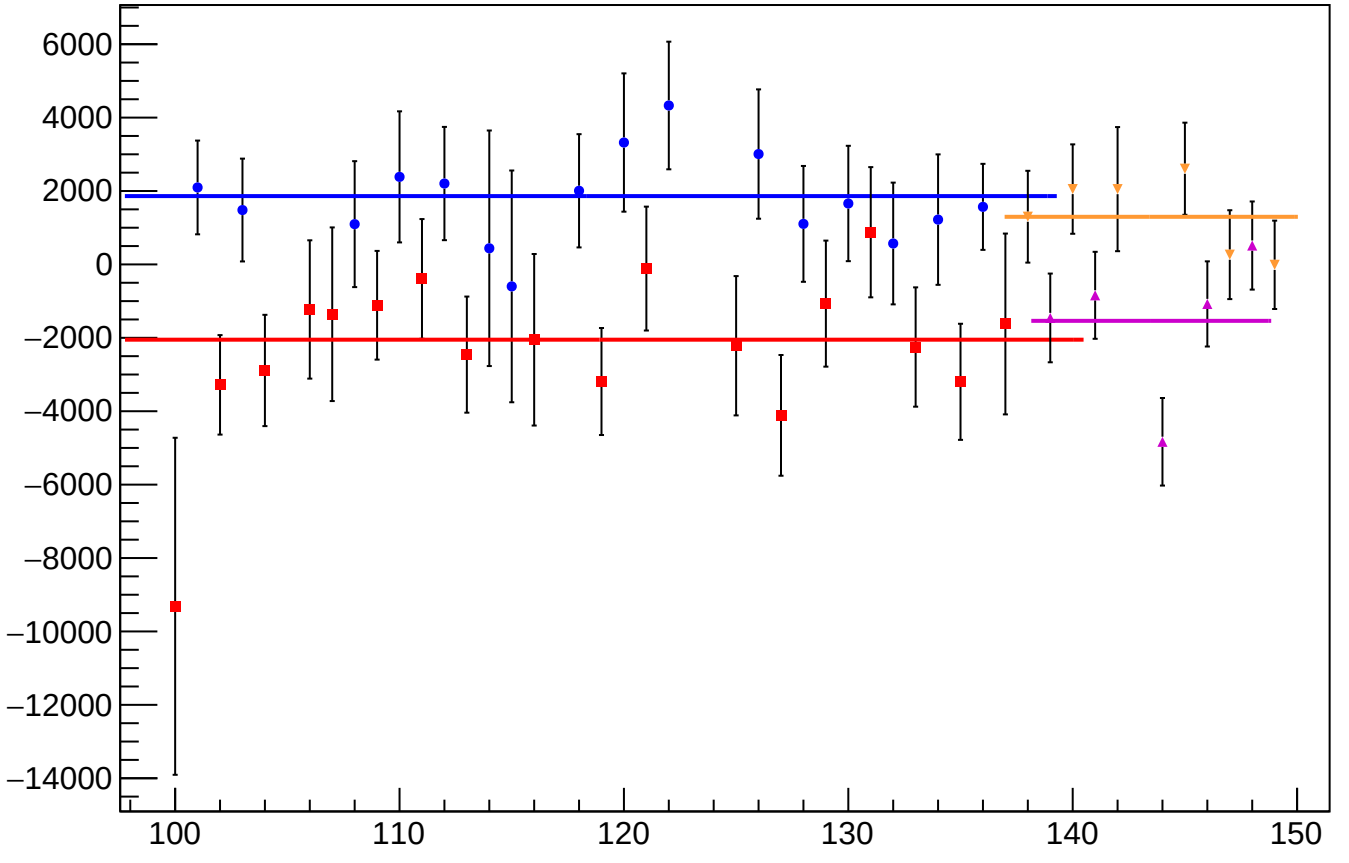
Left In: 1399.819+/-0.481 χ^2/NDF:190012.3/4

+ sign 991.238+/-0.215 χ^2/NDF: 2180496.6/21

All: 993.281+/-0.153 χ^2/NDF: 4602583.6/44

- 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: 1297.203+/-521.992 χ^2/NDF:3.6/5

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

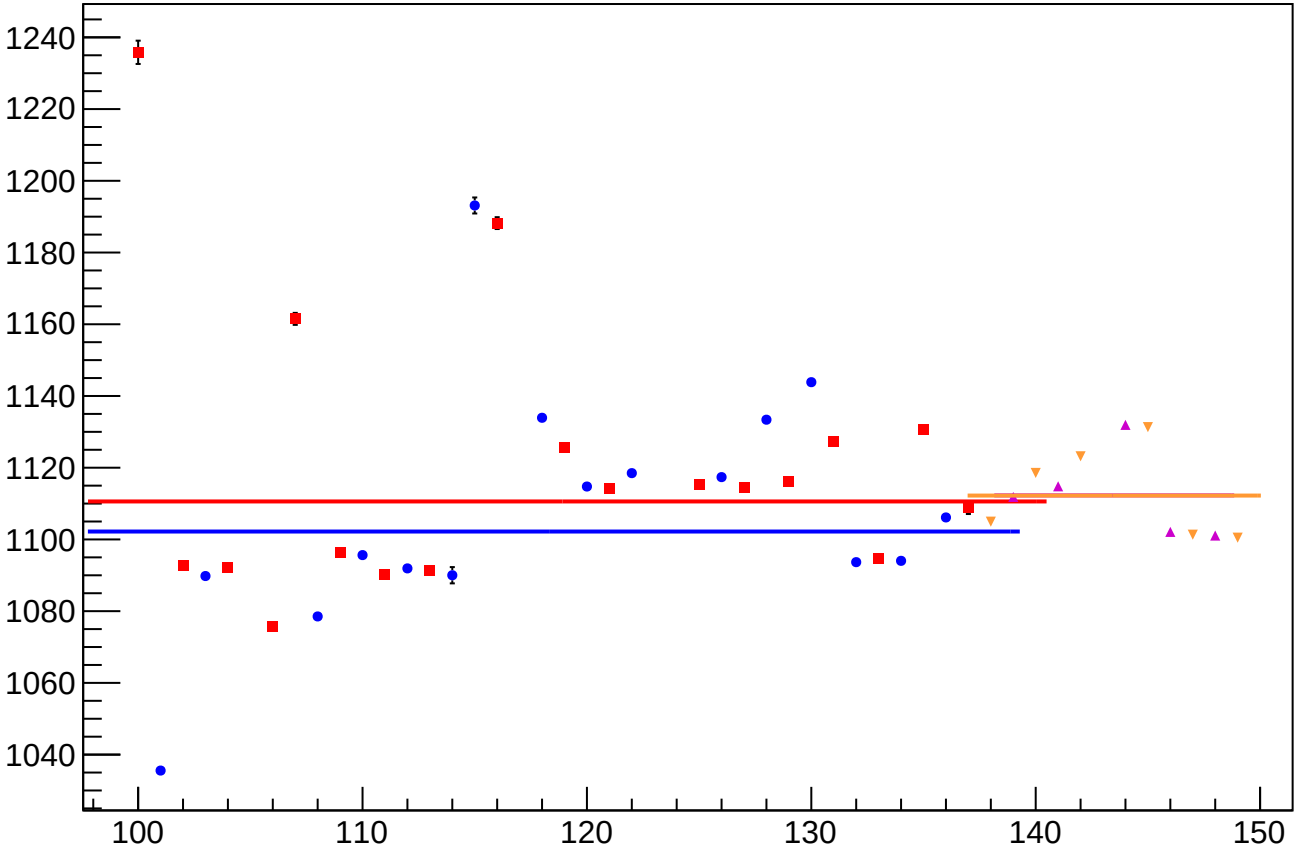
Left In: -1537.436+/-531.808 χ^2/NDF:11.1/4

+ sign 1646.519+/-322.200 χ^2/NDF: 9.6/21

All: -95.122+/-228.580 χ^2/NDF: 92.6/44

- 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: 1112.233+/-0.369 χ^2/NDF:1020.1/5

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

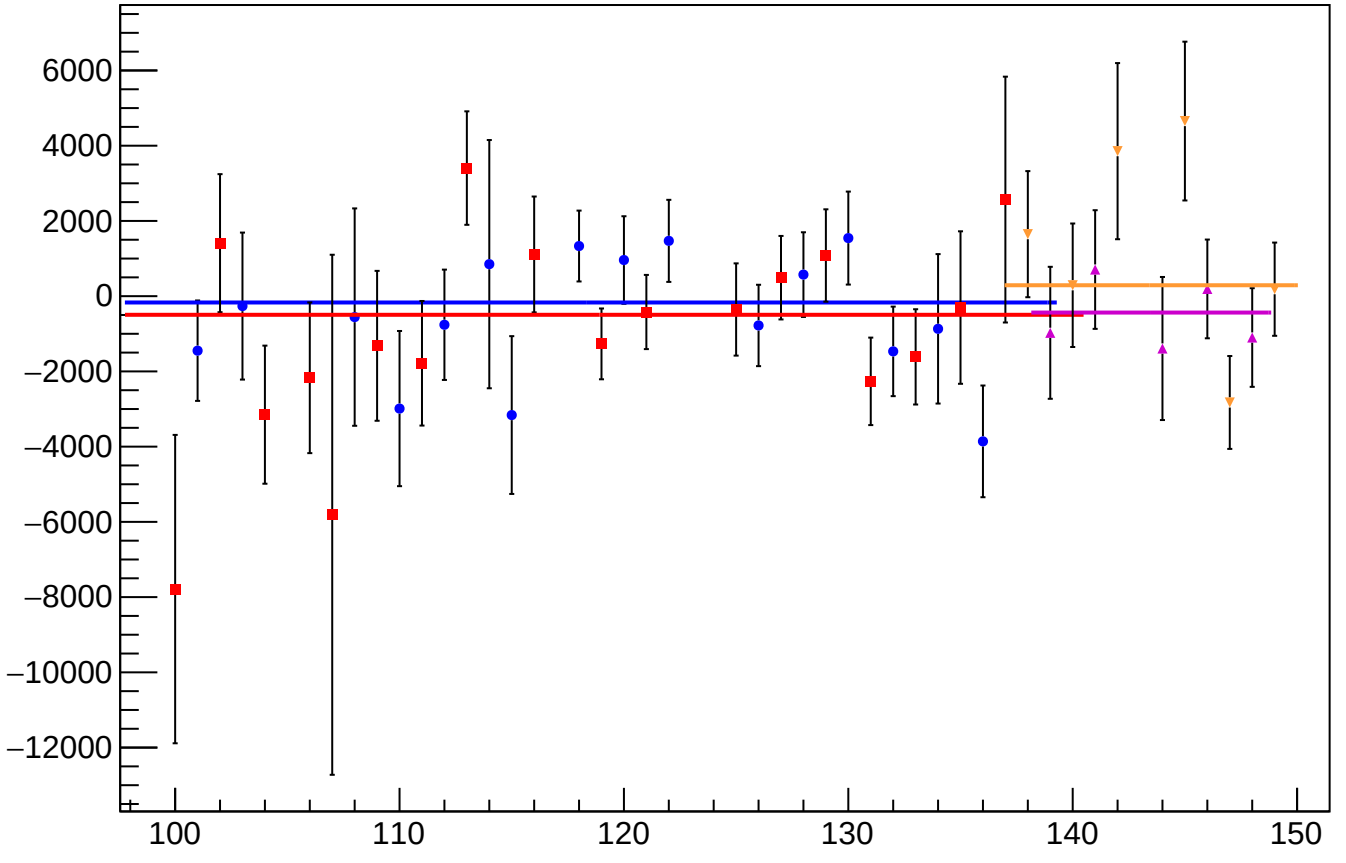
Left In: 1112.282+/-0.376 χ^2/NDF:880.7/4

+ sign 1106.026+/-0.228 χ^2/NDF: 12825.9/21

All: 1108.606+/-0.162 χ^2/NDF: 21673.5/44

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

asym_usl_eigen_cor_correction_mean vs Slug



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

Left Out: 290.404+/-640.015 χ^2/NDF:13.6/5

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

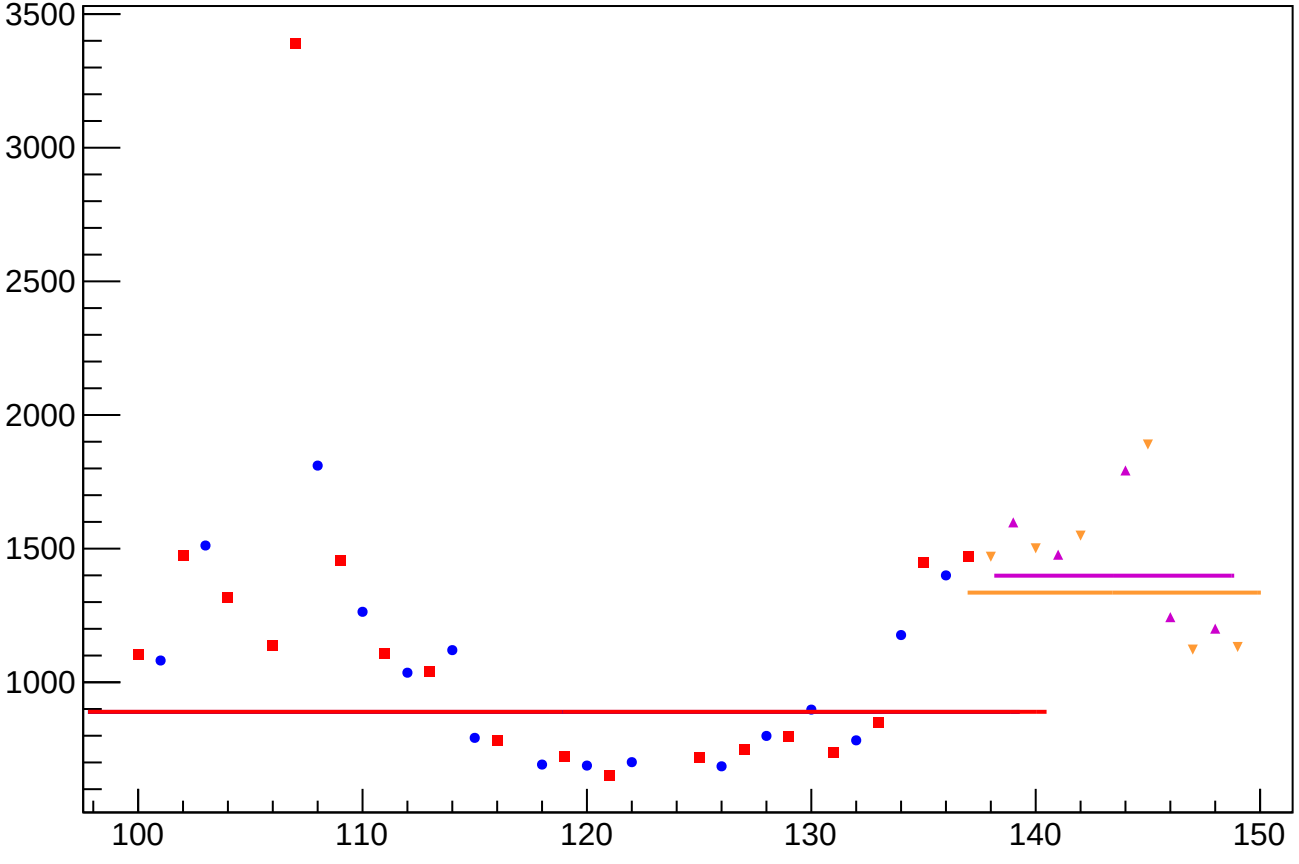
Left In: -435.793+/-679.565 χ^2/NDF:1.4/4

+ sign -64.501+/-303.989 χ^2/NDF: 35.0/21

All: -271.236+/-216.241 χ^2/NDF: 60.6/44

- 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: 1335.483+/-0.453 χ^2/NDF:301200.9/5

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

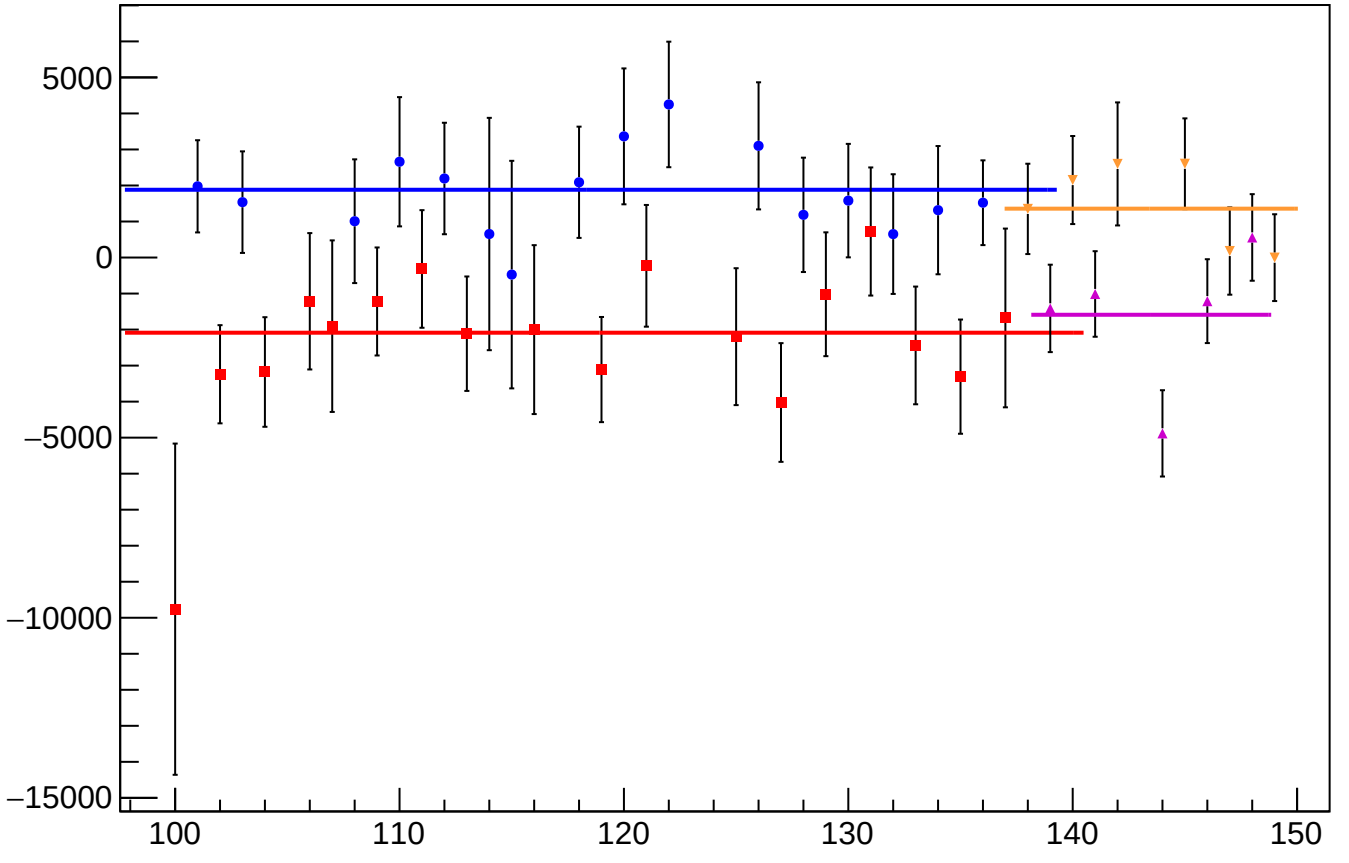
Left In: 1398.819+/-0.481 χ^2/NDF:190127.0/4

+ sign 989.691+/-0.215 χ^2/NDF: 2187863.4/21

All: 991.760+/-0.153 χ^2/NDF: 4617166.5/44

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

dit_asym_usl_mean vs Slug



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

Left Out: 1356.765+/-523.580 χ^2/NDF:4.1/5

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

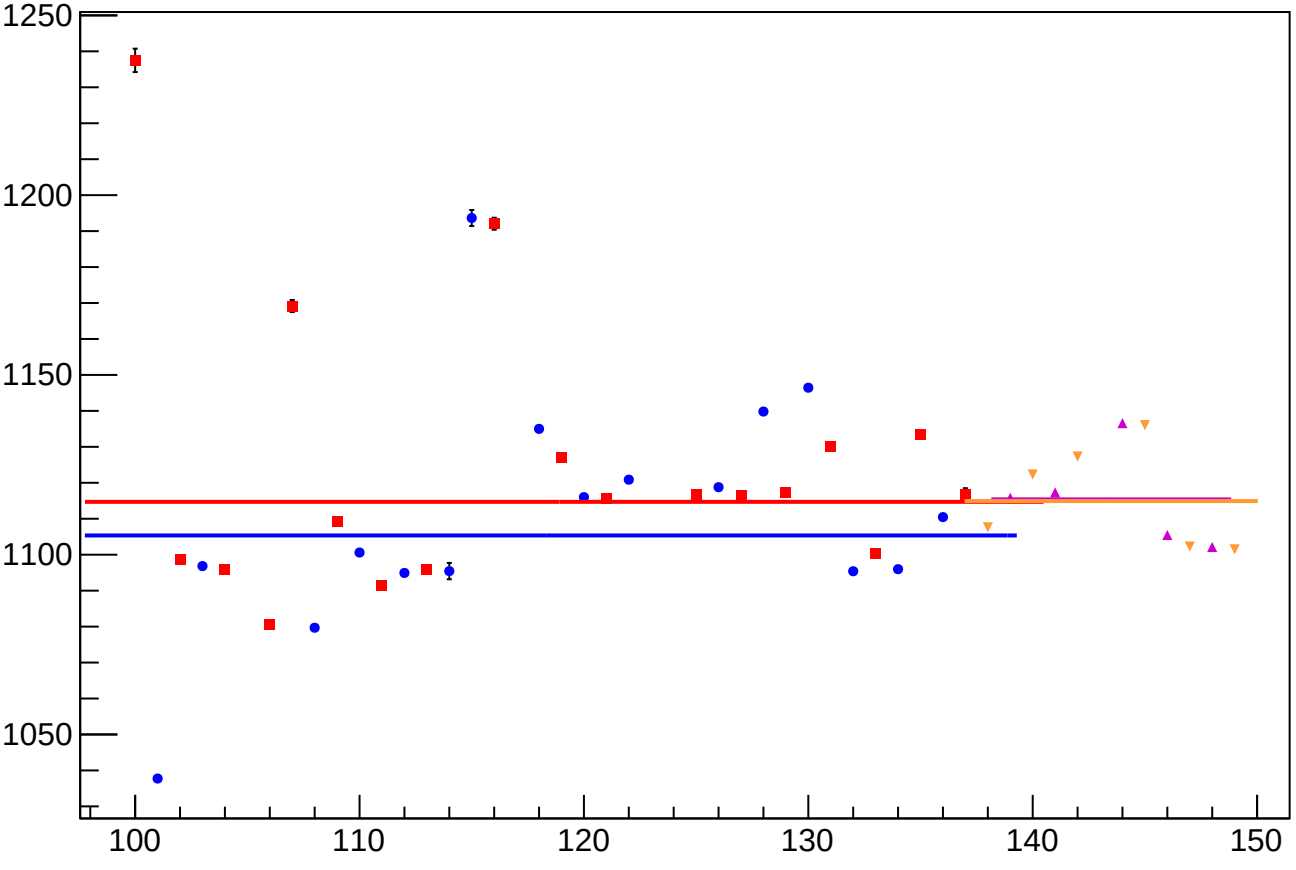
Left In: -1588.926+/-533.324 χ^2/NDF:11.1/4

+ sign 1681.634+/-323.146 χ^2/NDF: 10.0/21

All: -97.245+/-229.306 χ^2/NDF: 95.0/44

- 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: 1114.915+/-0.370 χ^2/NDF:1274.2/5

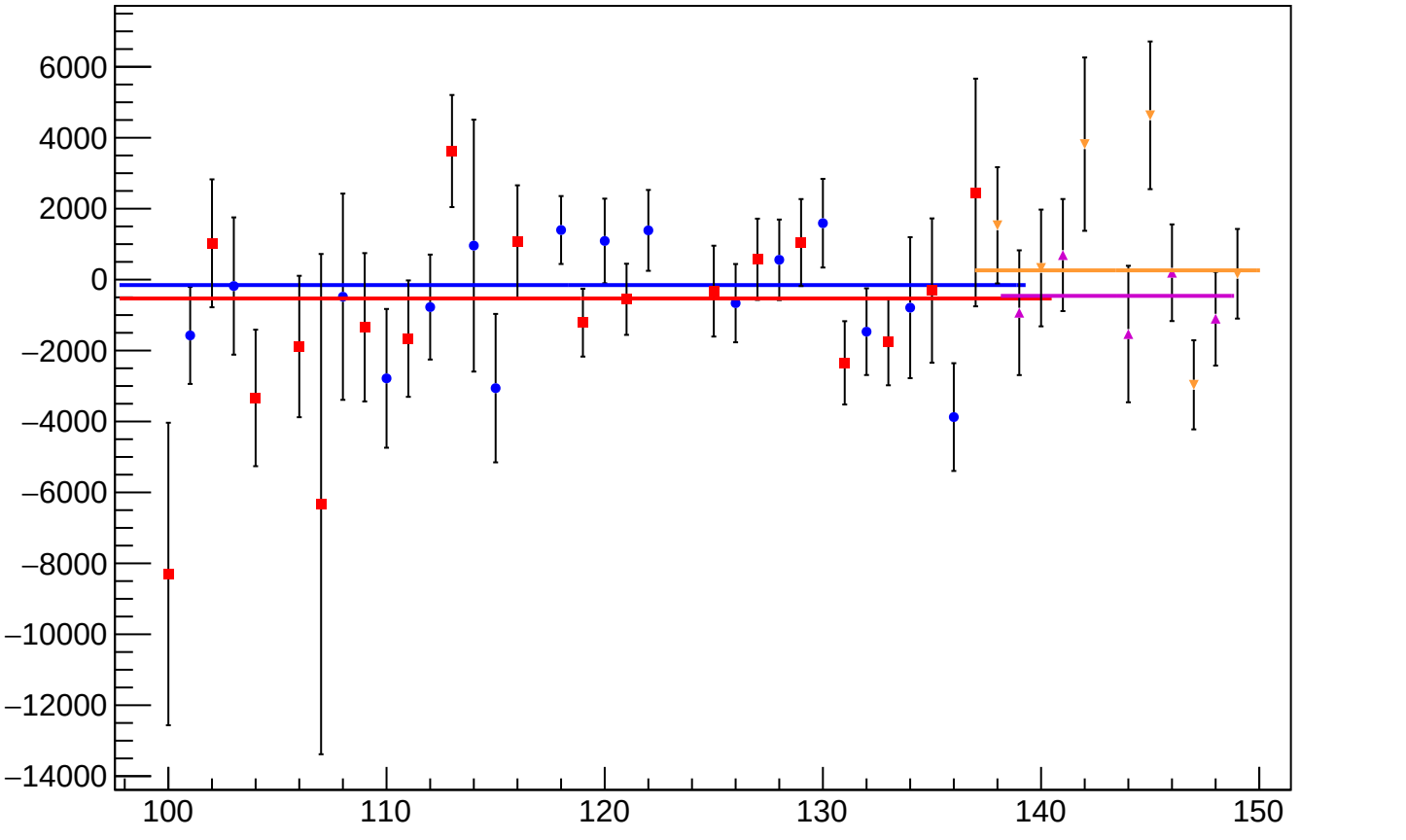
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

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

+ sign 1108.997+/-0.228 χ^2/NDF: 13017.9/21

All: 1111.957+/-0.162 χ^2/NDF: 21708.2/44

- 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: 260.534+/-645.676 χ^2/NDF:13.7/5

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

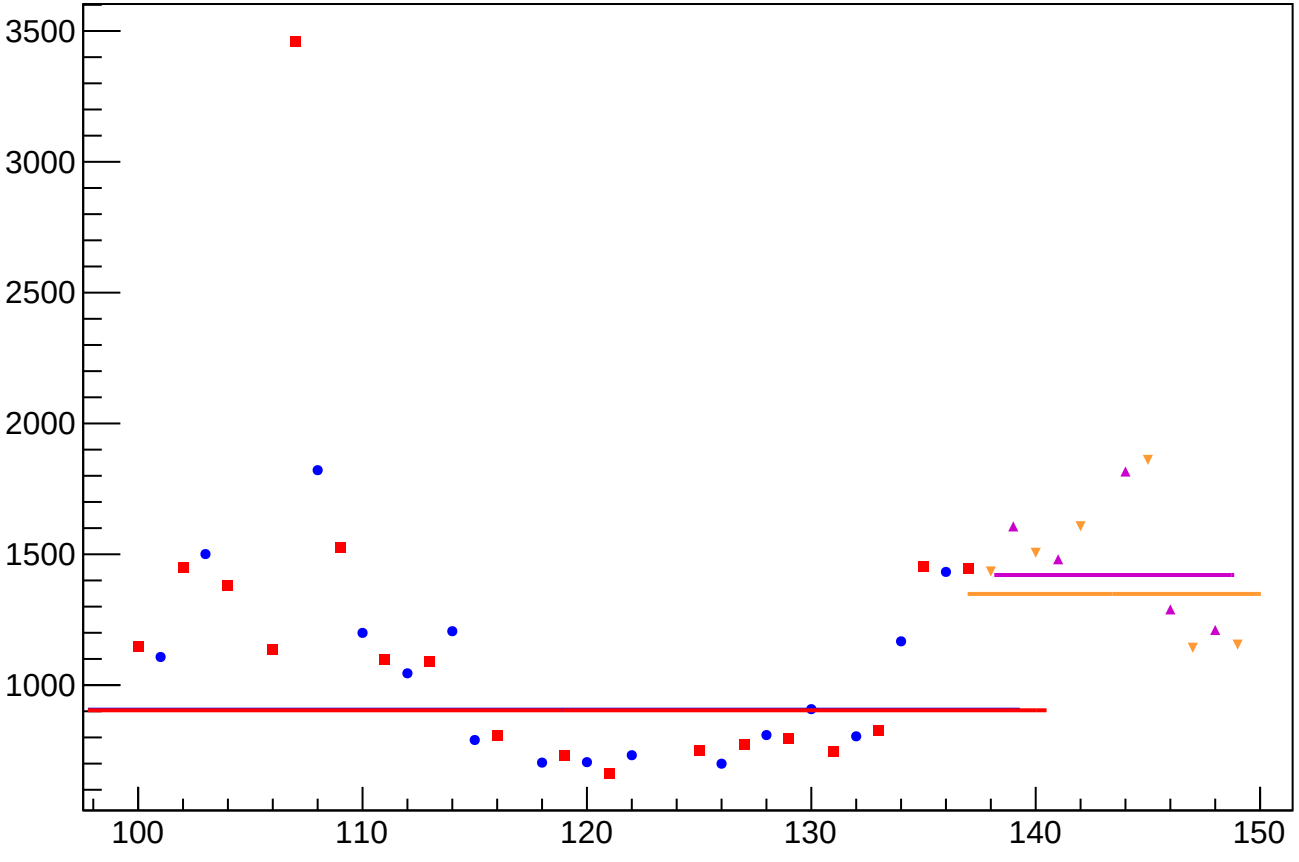
Left In: -458.549+/-689.303 χ^2/NDF:1.4/4

+ sign -59.309+/-308.595 χ^2/NDF: 34.5/21

All: -285.396+/-219.530 χ^2/NDF: 60.2/44

- 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: 1348.494+/-0.457 χ^2/NDF:267838.0/5

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

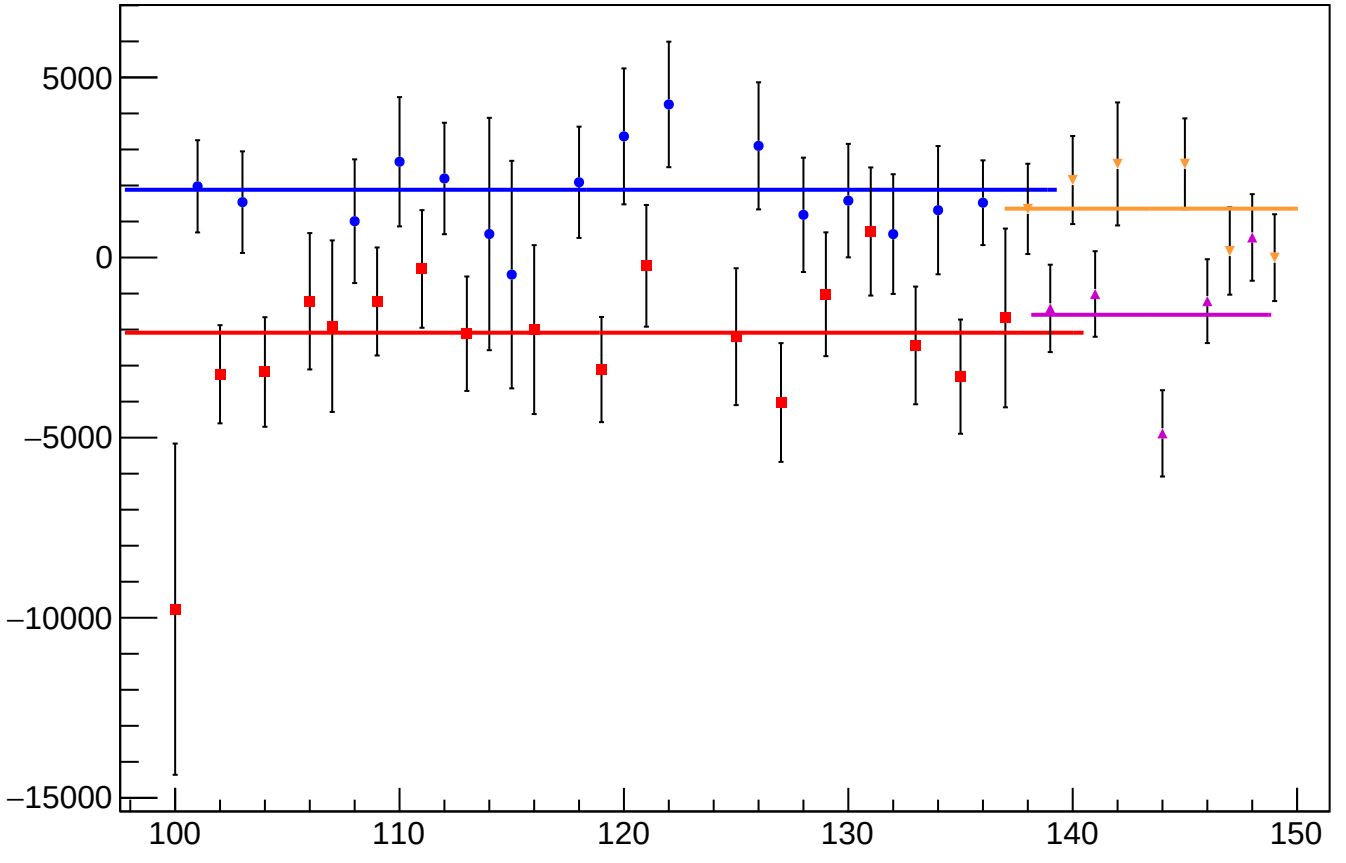
Left In: 1420.811+/-0.487 χ^2/NDF:178819.8/4

+ sign 1007.105+/-0.218 χ^2/NDF: 2071911.3/21

All: 1008.501+/-0.155 χ^2/NDF: 4485051.5/44

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

eigen_dit_asym_usl_mean vs Slug



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

Left Out: 1356.764+/-523.580 χ^2/NDF:4.1/5

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

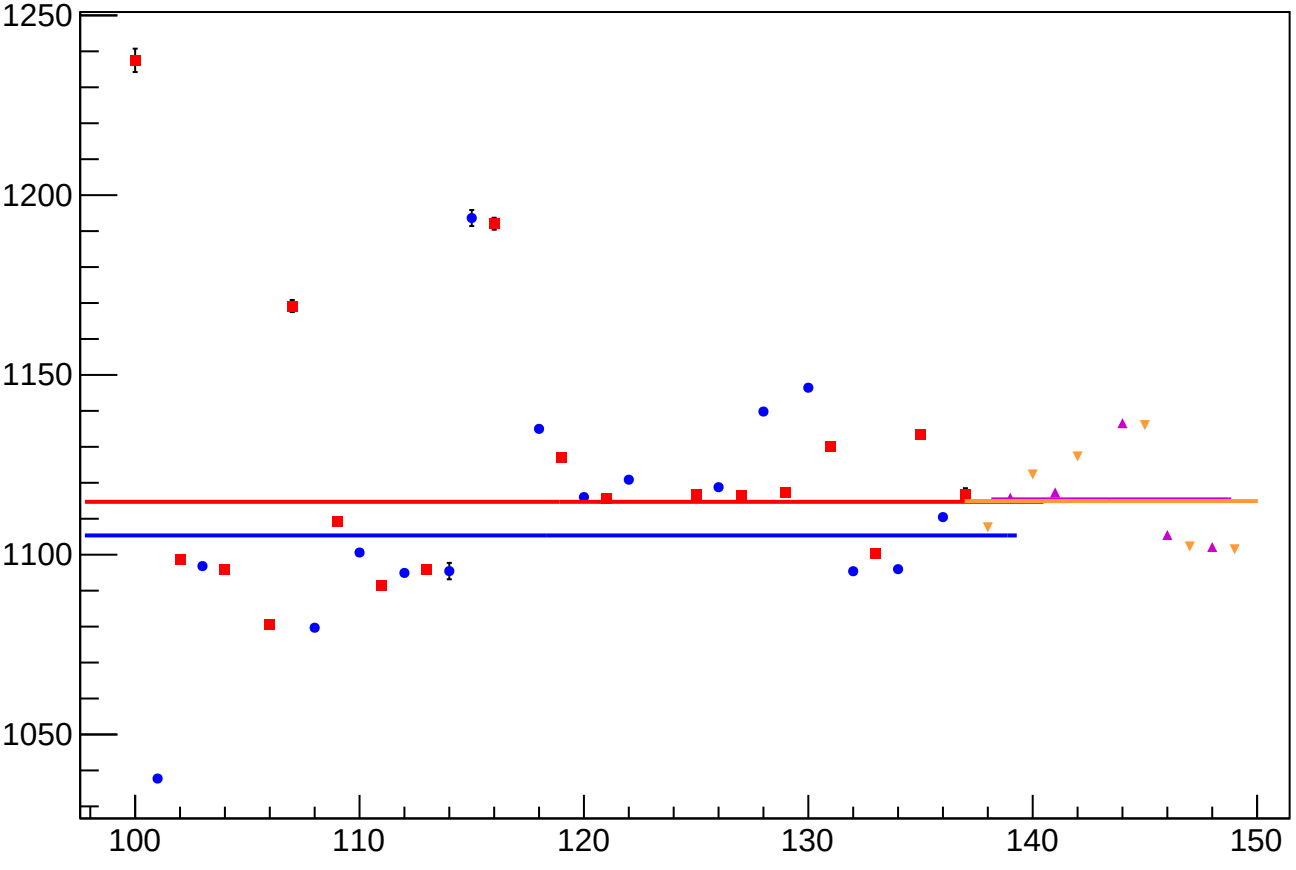
Left In: -1588.928+/-533.324 χ^2/NDF:11.1/4

+ sign 1681.633+/-323.146 χ^2/NDF: 10.0/21

All: -97.245+/-229.306 χ^2/NDF: 95.0/44

- 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: 1114.915+/-0.370 χ^2/NDF:1274.2/5

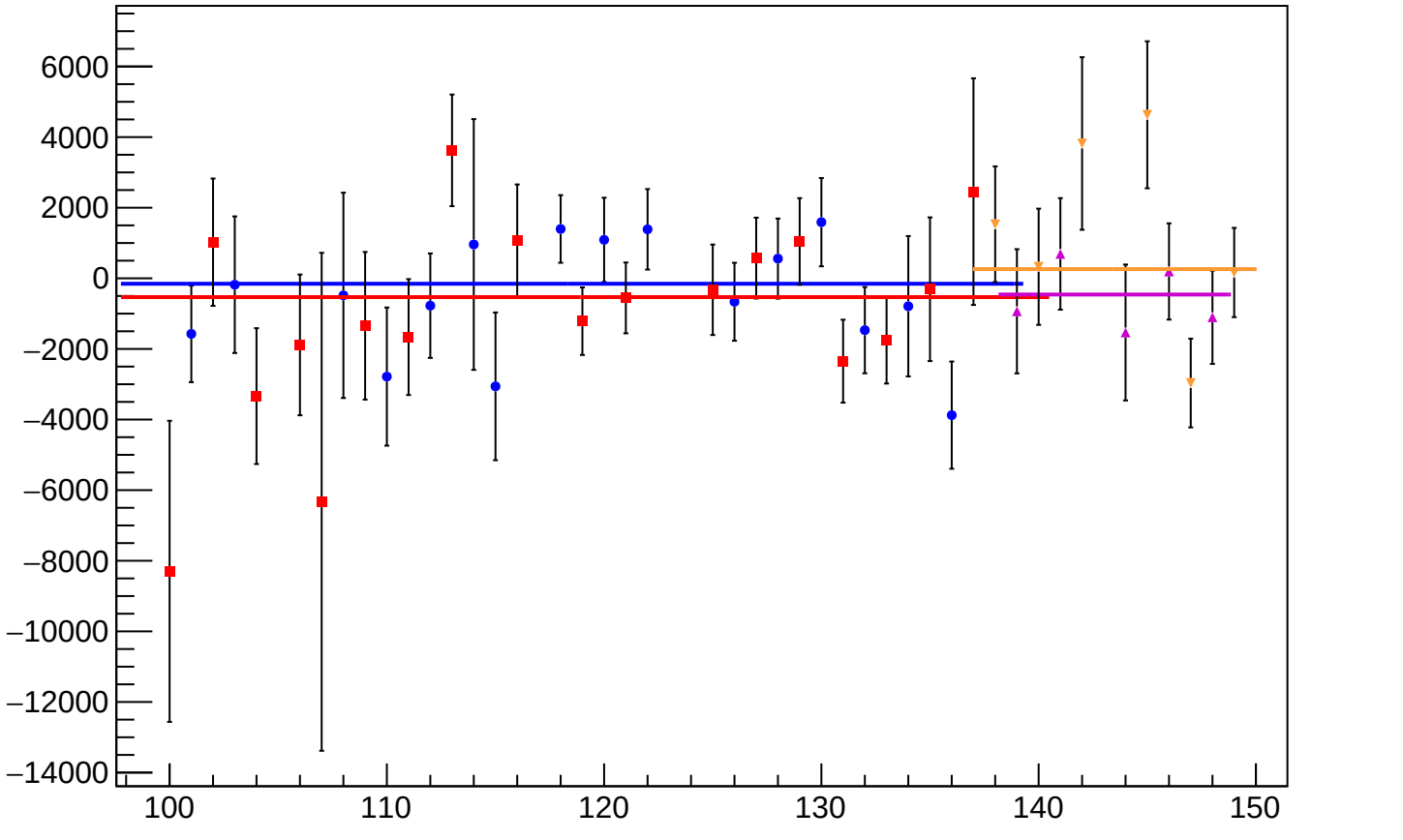
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

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

+ sign 1108.997+/-0.228 χ^2/NDF: 13017.9/21

All: 1111.957+/-0.162 χ^2/NDF: 21708.1/44

- 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: 260.532+/-645.677 χ^2/NDF:13.7/5

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

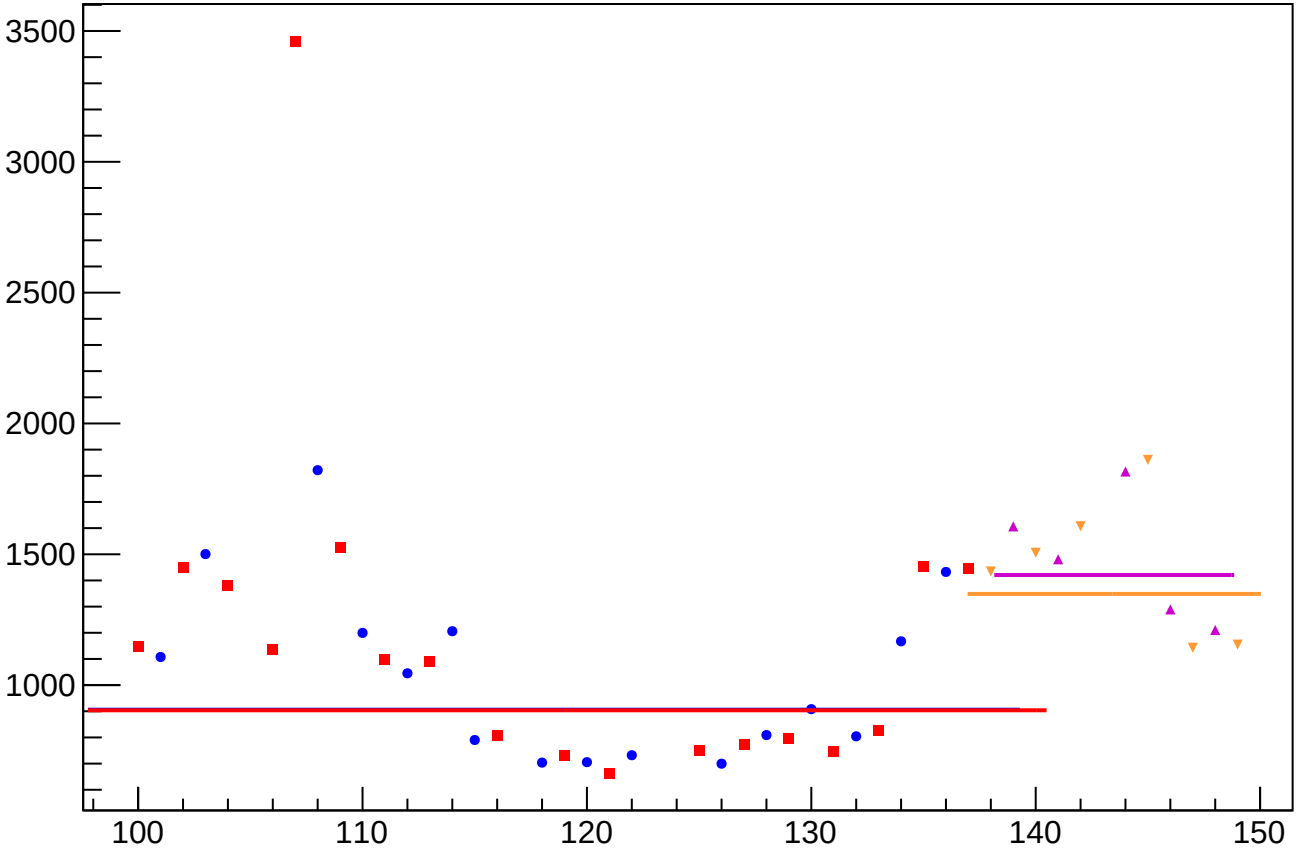
Left In: -458.550+/-689.304 χ^2/NDF:1.4/4

+ sign -59.309+/-308.594 χ^2/NDF: 34.5/21

All: -285.396+/-219.529 χ^2/NDF: 60.2/44

- 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: 1348.496+/-0.457 χ^2/NDF:267836.8/5

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

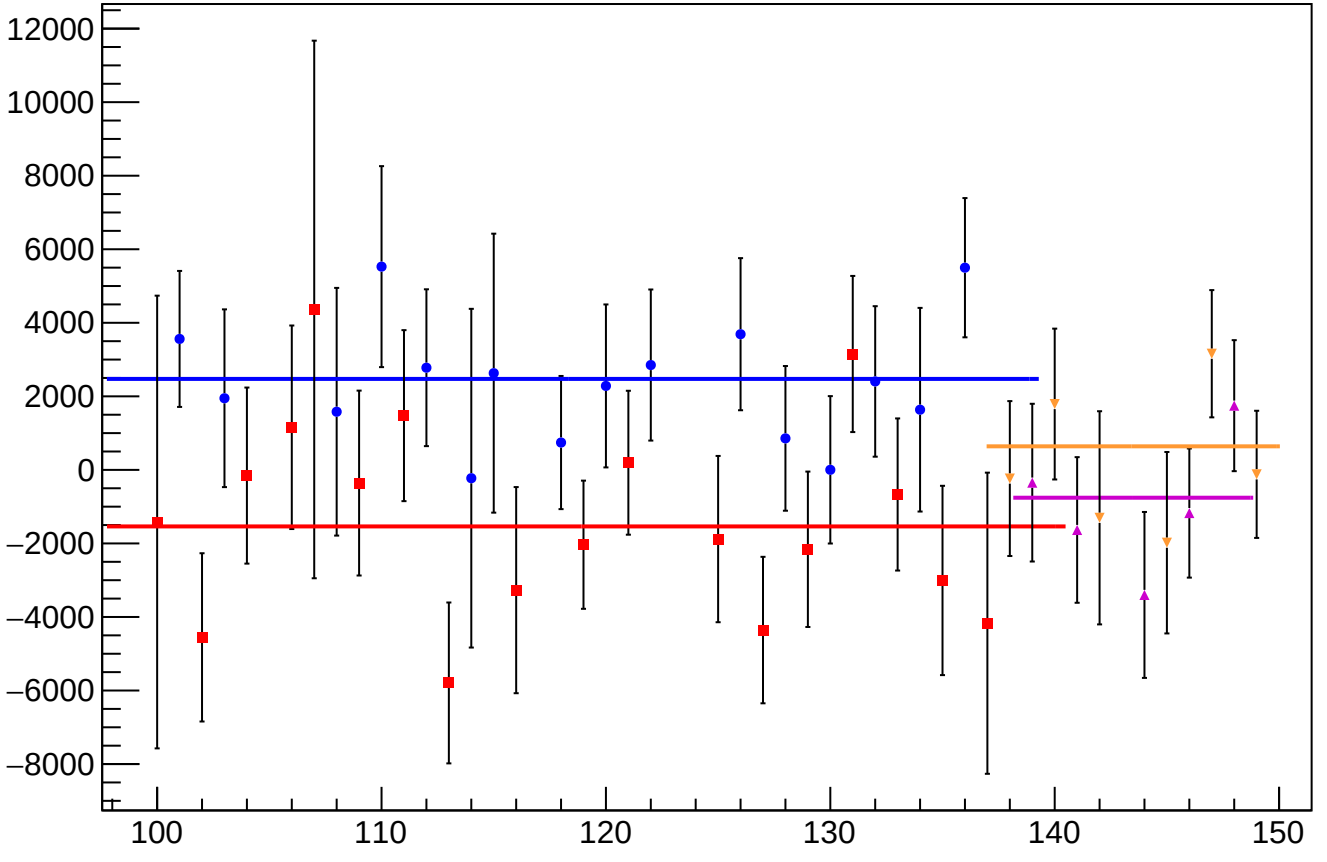
Left In: 1420.813+/-0.487 χ^2/NDF:178819.0/4

+ sign 1007.104+/-0.218 χ^2/NDF: 2071927.9/21

All: 1008.500+/-0.155 χ^2/NDF: 4485084.2/44

- 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: 640.585+/-840.663 χ^2/NDF:4.4/5

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

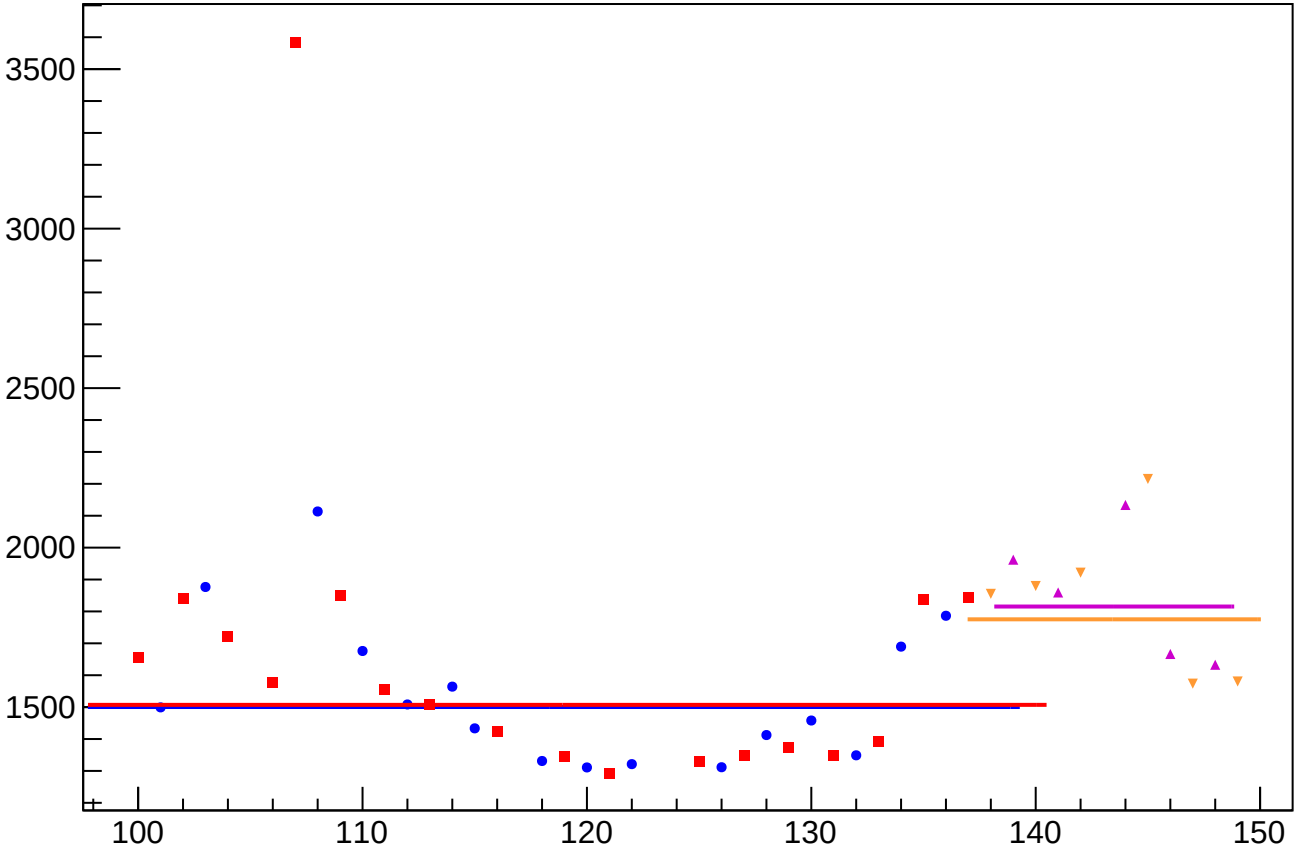
Left In: -756.903+/-874.269 χ^2/NDF:3.6/4

+ sign 1906.638+/-467.669 χ^2/NDF: 15.9/21

All: 319.671+/-332.795 χ^2/NDF: 61.9/44

- 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: 1775.232+/-0.594 χ^2/NDF:129347.2/5

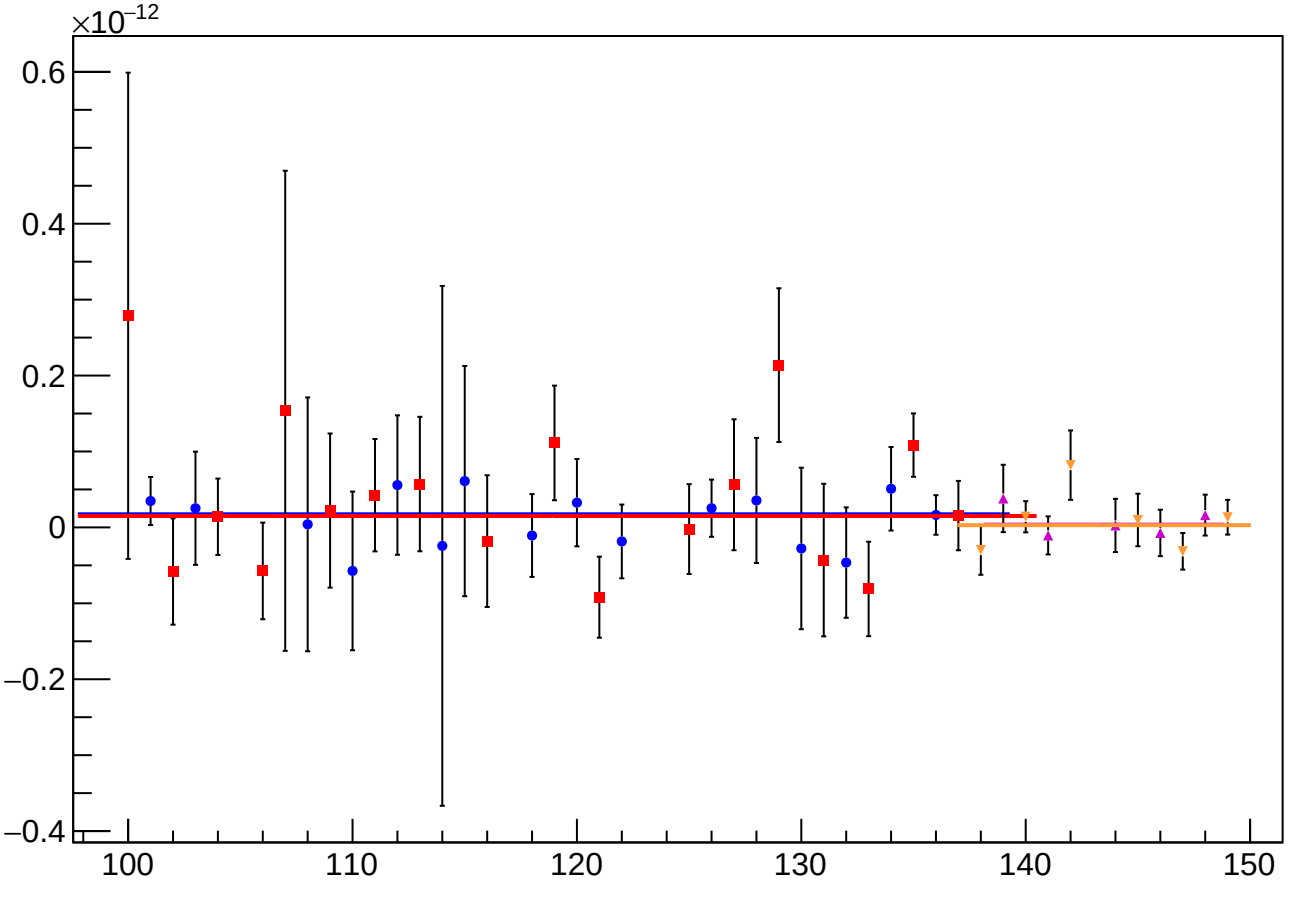
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

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

+ sign 1585.439+/-0.331 χ^2/NDF: 535767.8/21

All: 1591.434+/-0.235 χ^2/NDF: 1198853.3/44

- 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:6.6/5

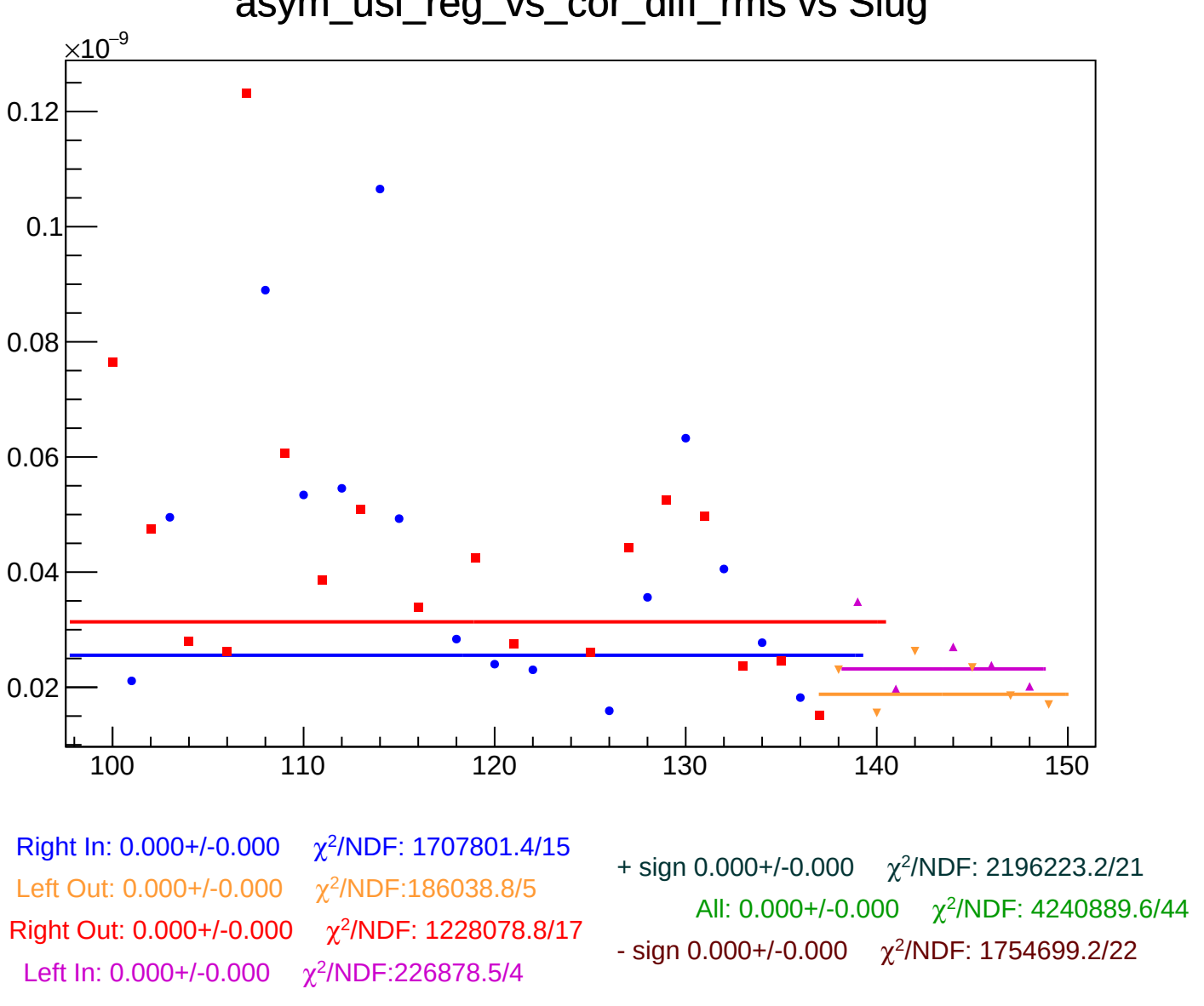
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

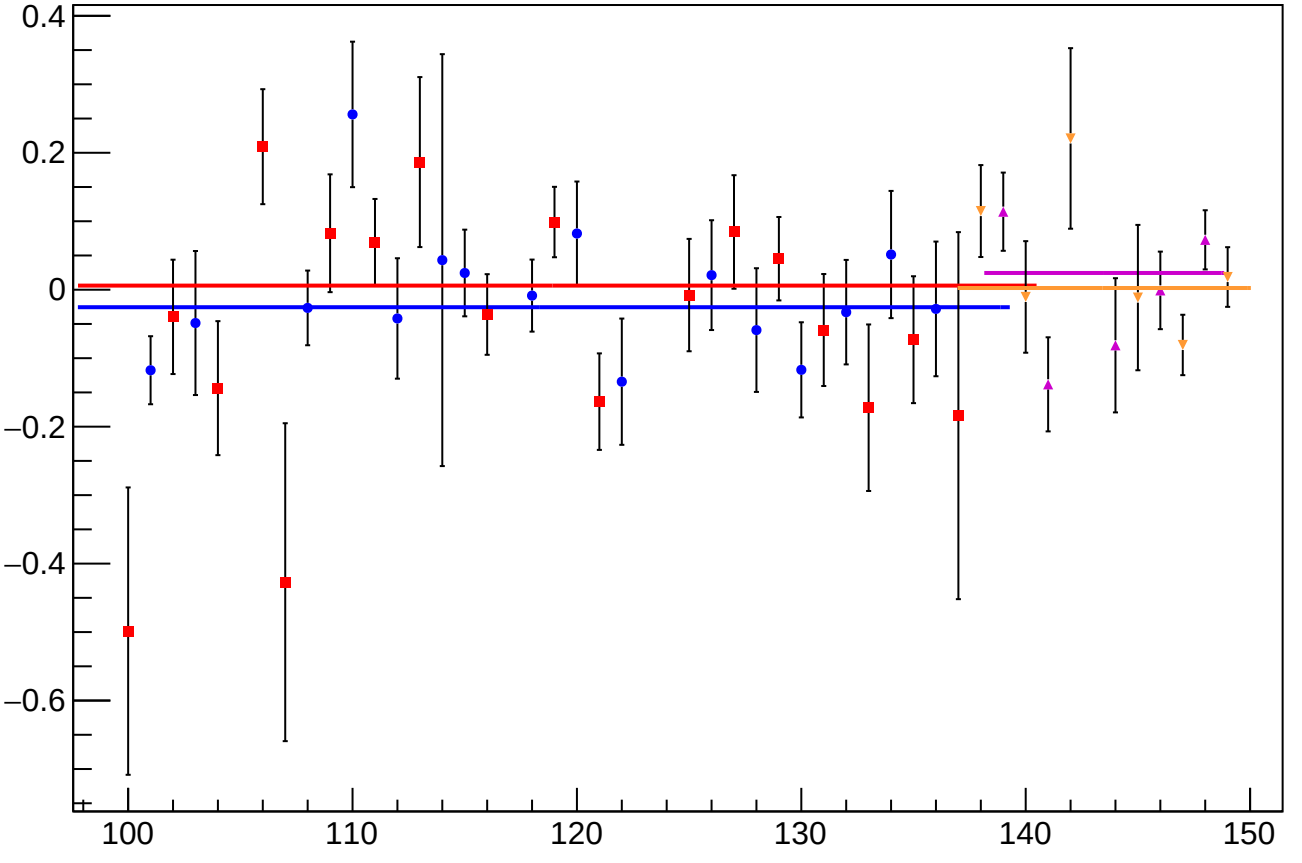
+ sign 0.000+/-0.000 χ^2/NDF: 10.6/21

All: 0.000+/-0.000 χ^2/NDF: 33.5/44

- sign 0.000+/-0.000 χ^2/NDF: 22.9/22


asym_usl_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1707801.4/15
Left Out: 0.000+/-0.000 χ²/NDF:186038.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 1228078.8/17
Left In: 0.000+/-0.000 χ²/NDF:226878.5/4
+ sign 0.000+/-0.000 χ²/NDF: 2196223.2/21
All: 0.000+/-0.000 χ²/NDF: 4240889.6/44
- sign 0.000+/-0.000 χ²/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: 0.002+/-0.025 χ^2/NDF:9.3/5

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

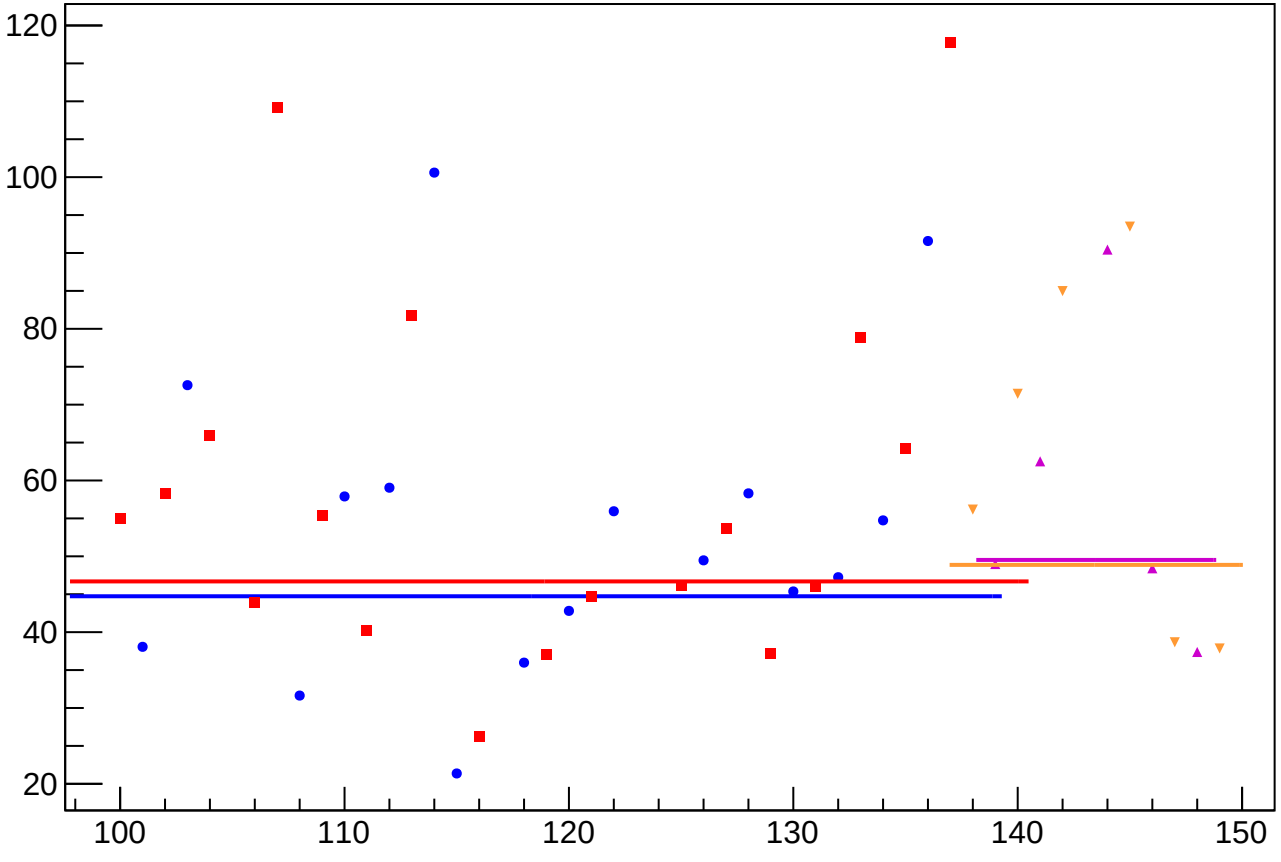
Left In: 0.024+/-0.026 χ^2/NDF:10.7/4

+ sign -0.016+/-0.015 χ^2/NDF: 27.7/21

All: -0.002+/-0.011 χ^2/NDF: 76.9/44

- 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: 48.871+/-0.018 χ^2/NDF:915099.1/5

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

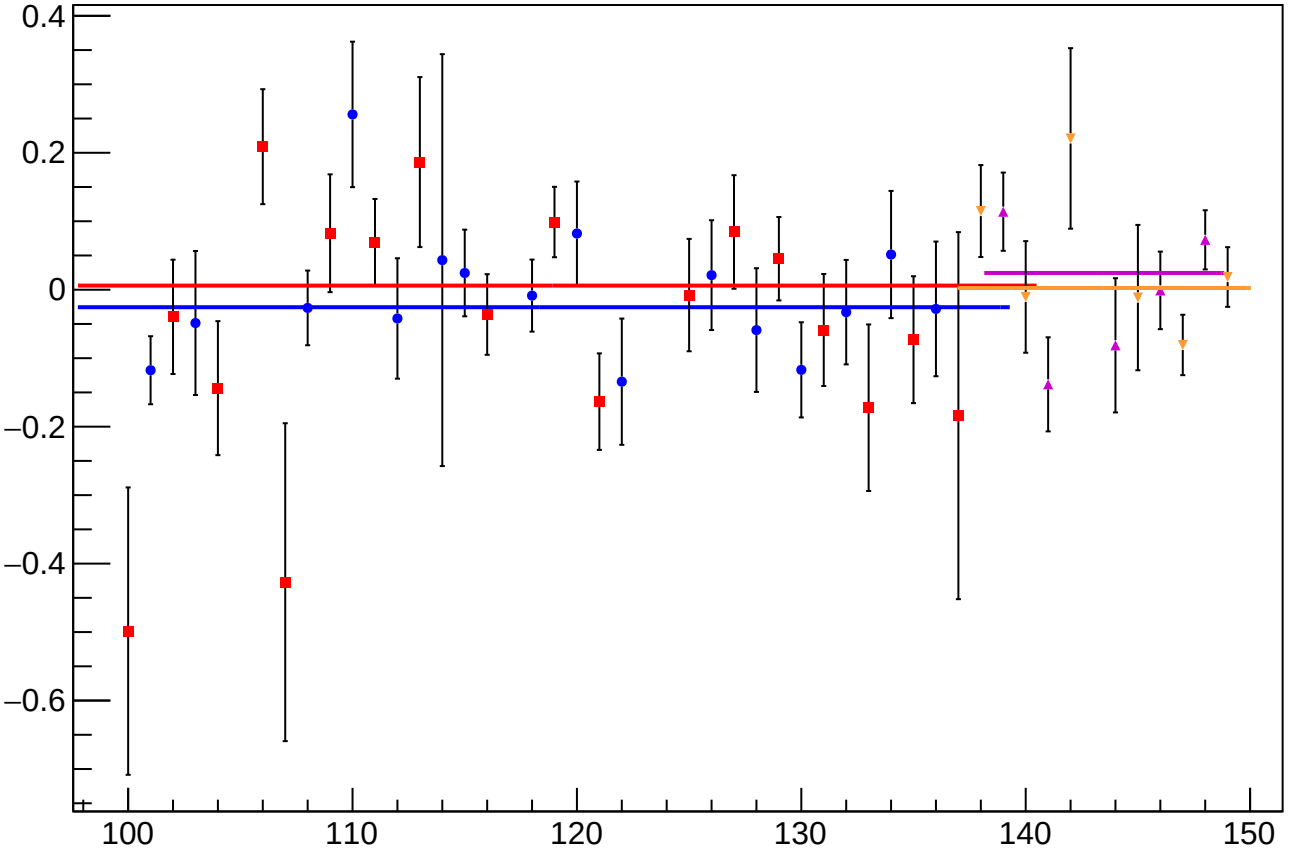
Left In: 49.524+/-0.018 χ^2/NDF:579225.5/4

+ sign 46.200+/-0.011 χ^2/NDF: 2284111.8/21

All: 46.926+/-0.008 χ^2/NDF: 4083585.3/44

- 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: 0.002+/-0.025 χ^2/NDF:9.3/5

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

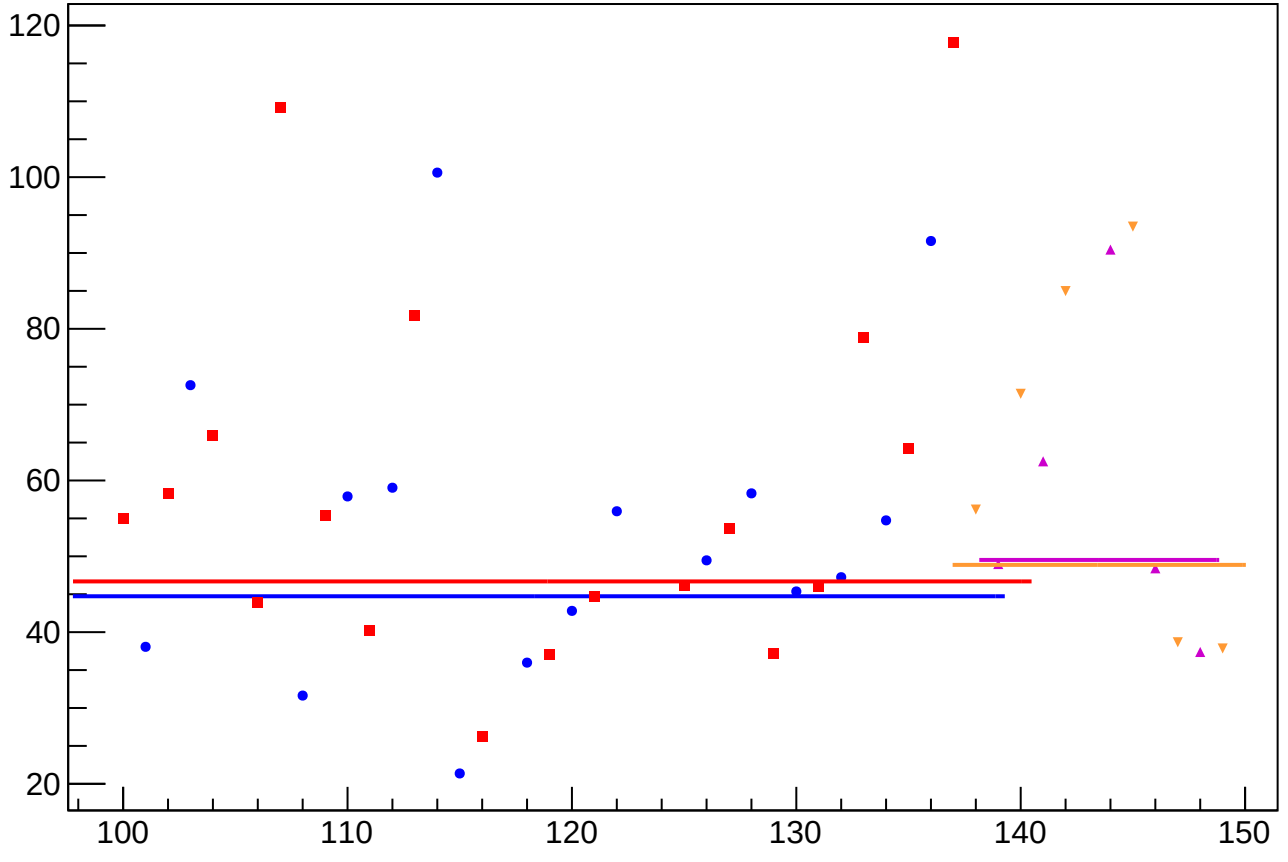
Left In: 0.024+/-0.026 χ^2/NDF:10.7/4

+ sign -0.016+/-0.015 χ^2/NDF: 27.7/21

All: -0.002+/-0.011 χ^2/NDF: 76.9/44

- 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: 48.871+/-0.018 χ^2/NDF:915099.1/5

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

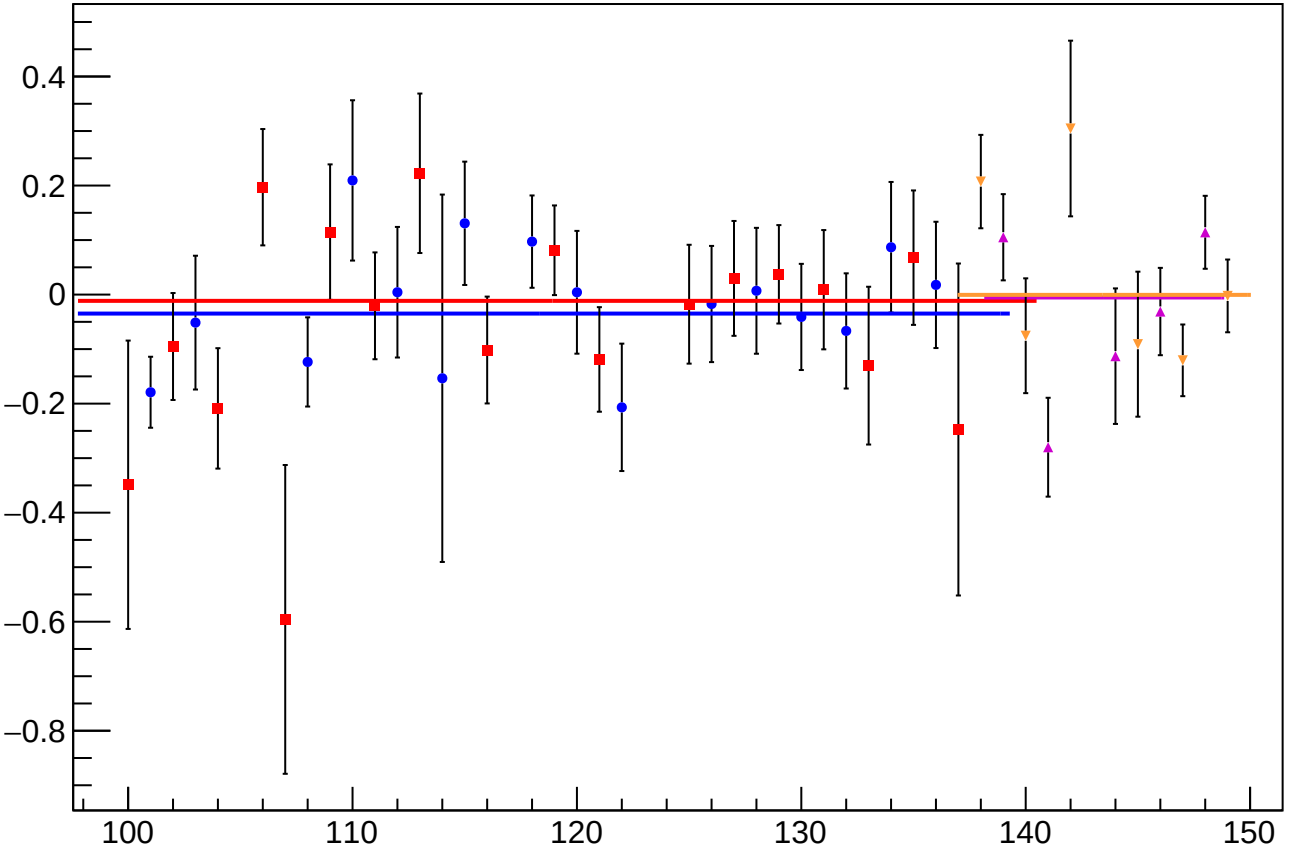
Left In: 49.524+/-0.018 χ^2/NDF:579225.5/4

+ sign 46.200+/-0.011 χ^2/NDF: 2284111.8/21

All: 46.926+/-0.008 χ^2/NDF: 4083585.3/44

- 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: -0.001+/-0.036 χ^2/NDF:13.8/5

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

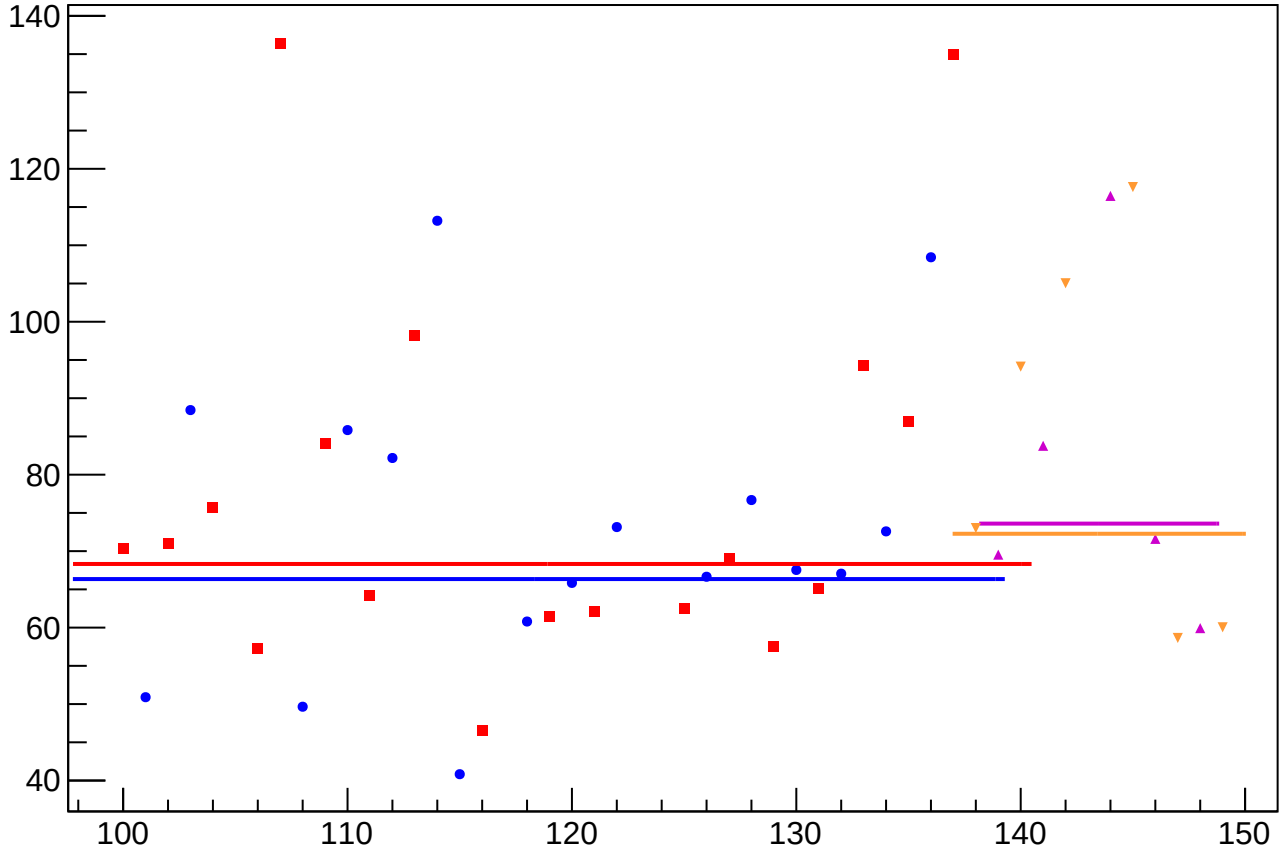
Left In: -0.005+/-0.037 χ^2/NDF:15.2/4

+ sign -0.023+/-0.021 χ^2/NDF: 31.8/21

All: -0.016+/-0.015 χ^2/NDF: 70.0/44

- 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: 72.272+/-0.025 χ^2/NDF:554536.1/5

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

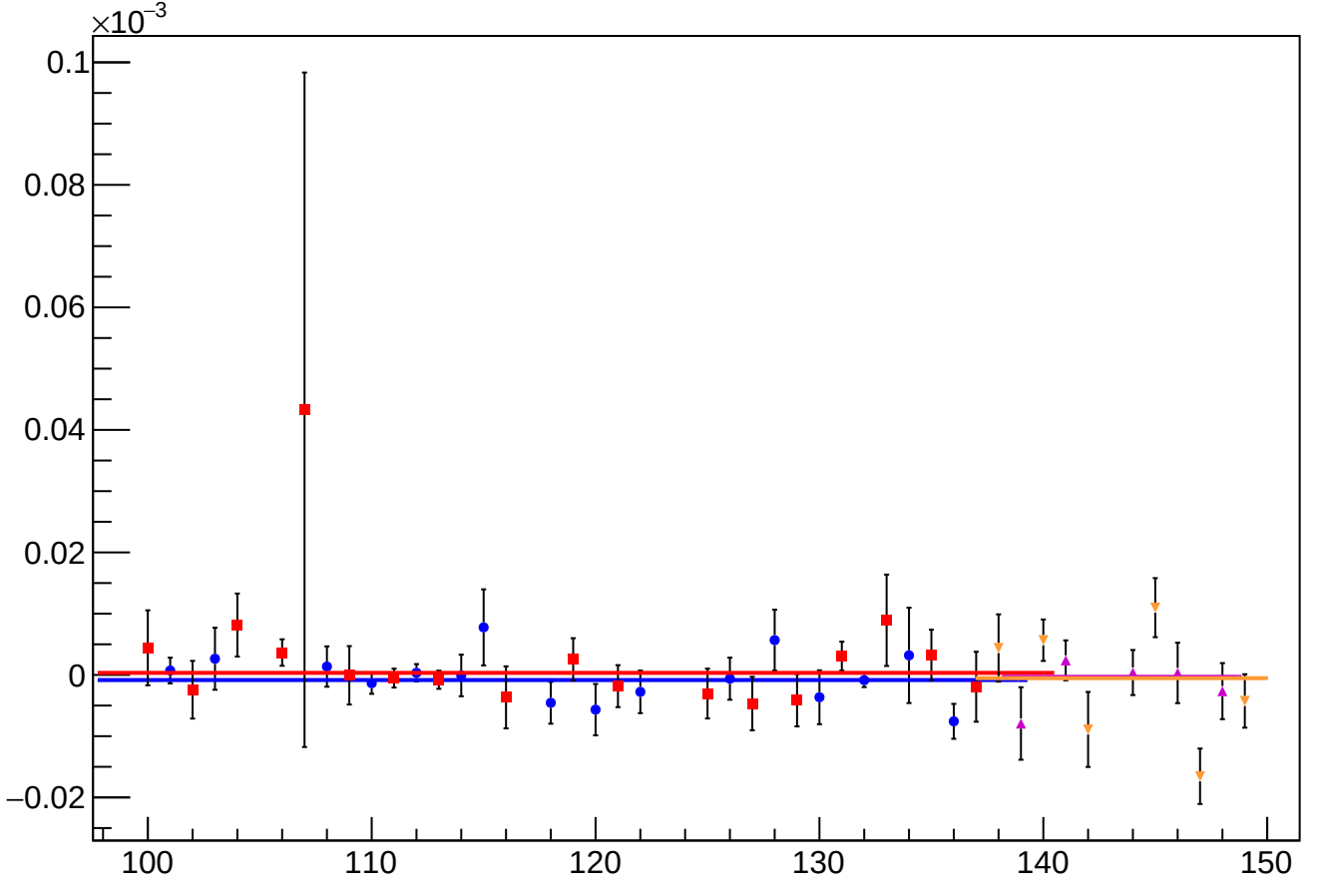
Left In: 73.600+/-0.026 χ^2/NDF:352874.9/4

+ sign 68.417+/-0.015 χ^2/NDF: 1362693.9/21

All: 69.255+/-0.011 χ^2/NDF: 2378170.7/44

- 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:25.0/5

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

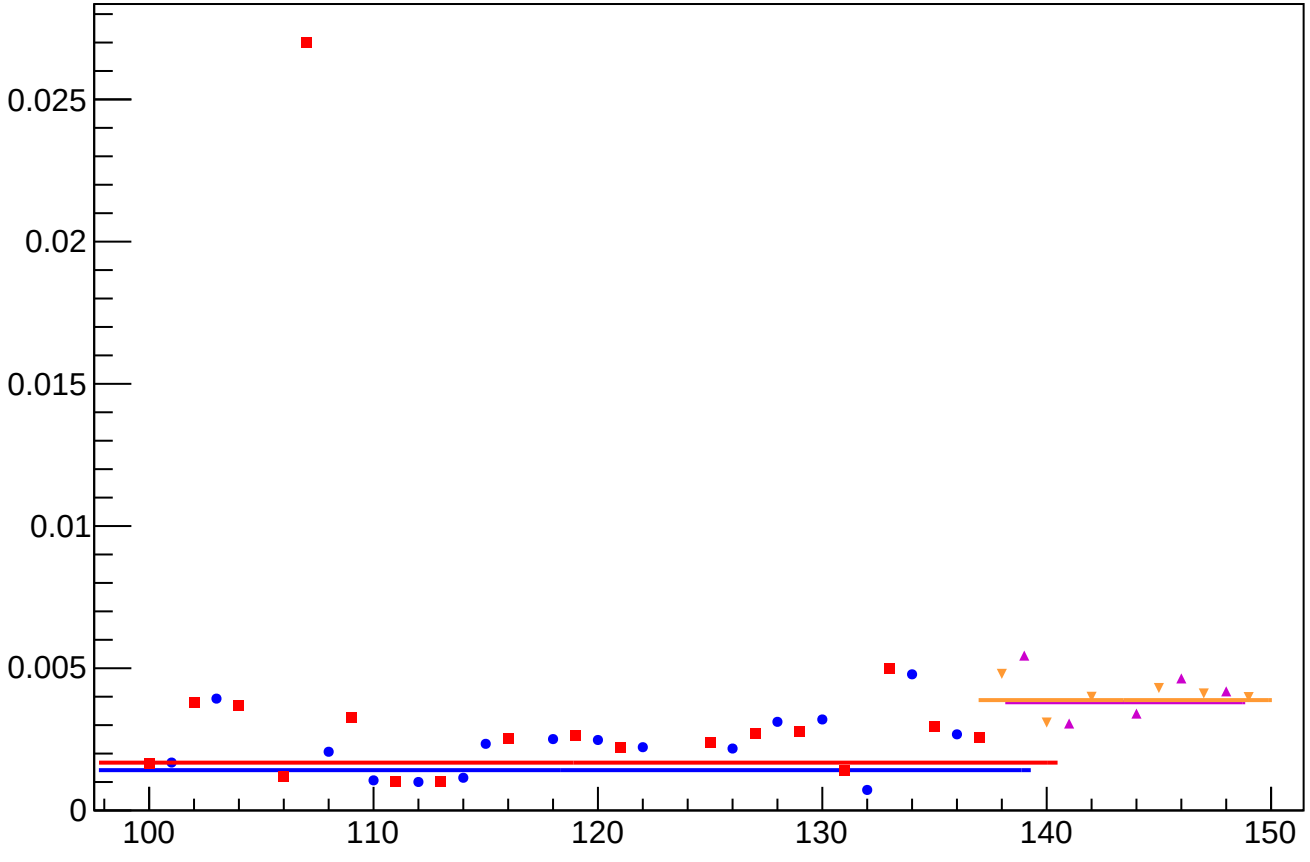
Left In: -0.000+/-0.000 χ^2/NDF:2.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 40.0/21

All: -0.000+/-0.000 χ^2/NDF: 59.0/44

- 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:188156.9/5

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

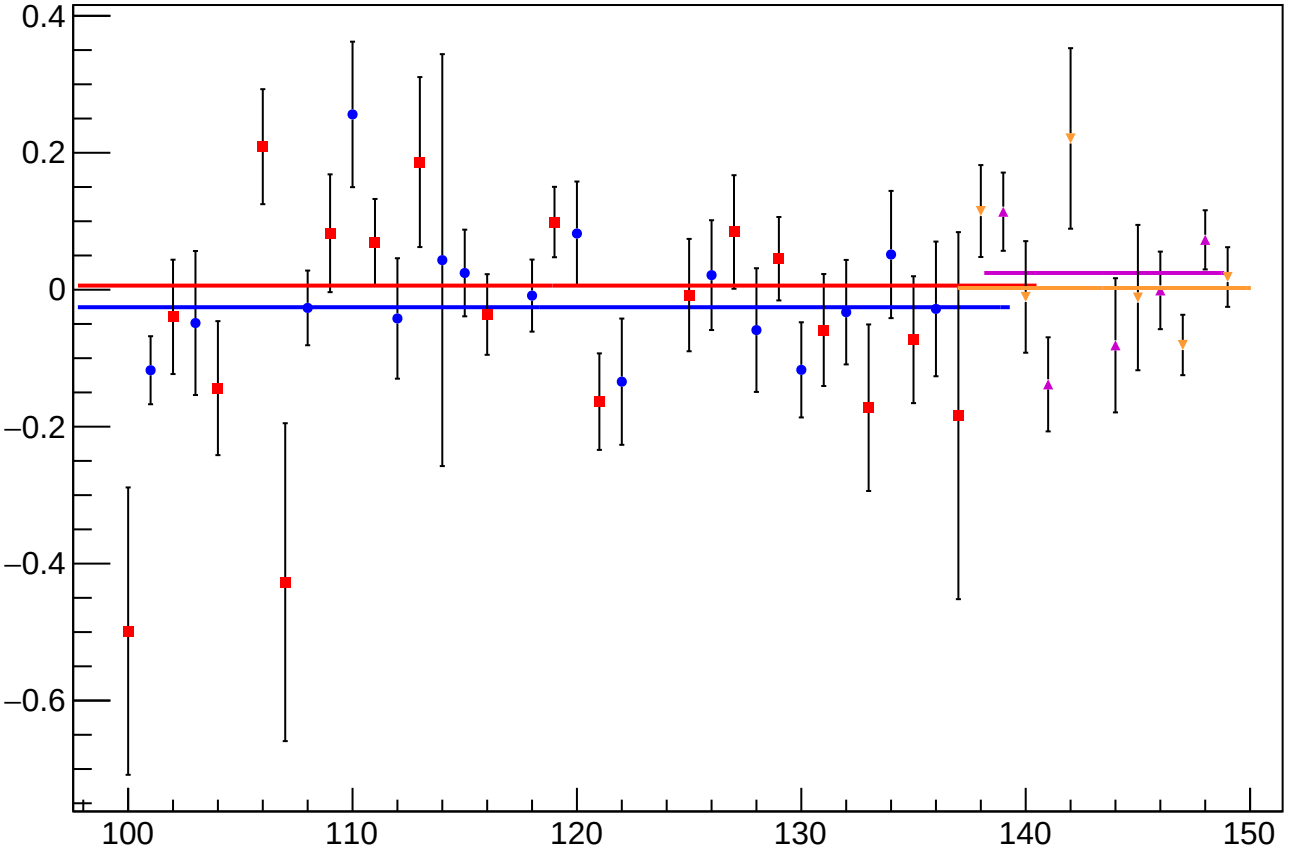
Left In: 0.004+/-0.000 χ^2/NDF:353546.2/4

+ sign 0.002+/-0.000 χ^2/NDF: 6921046.5/21

All: 0.002+/-0.000 χ^2/NDF: 13156096.4/44

- 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: 0.002+/-0.025 χ^2/NDF:9.3/5

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

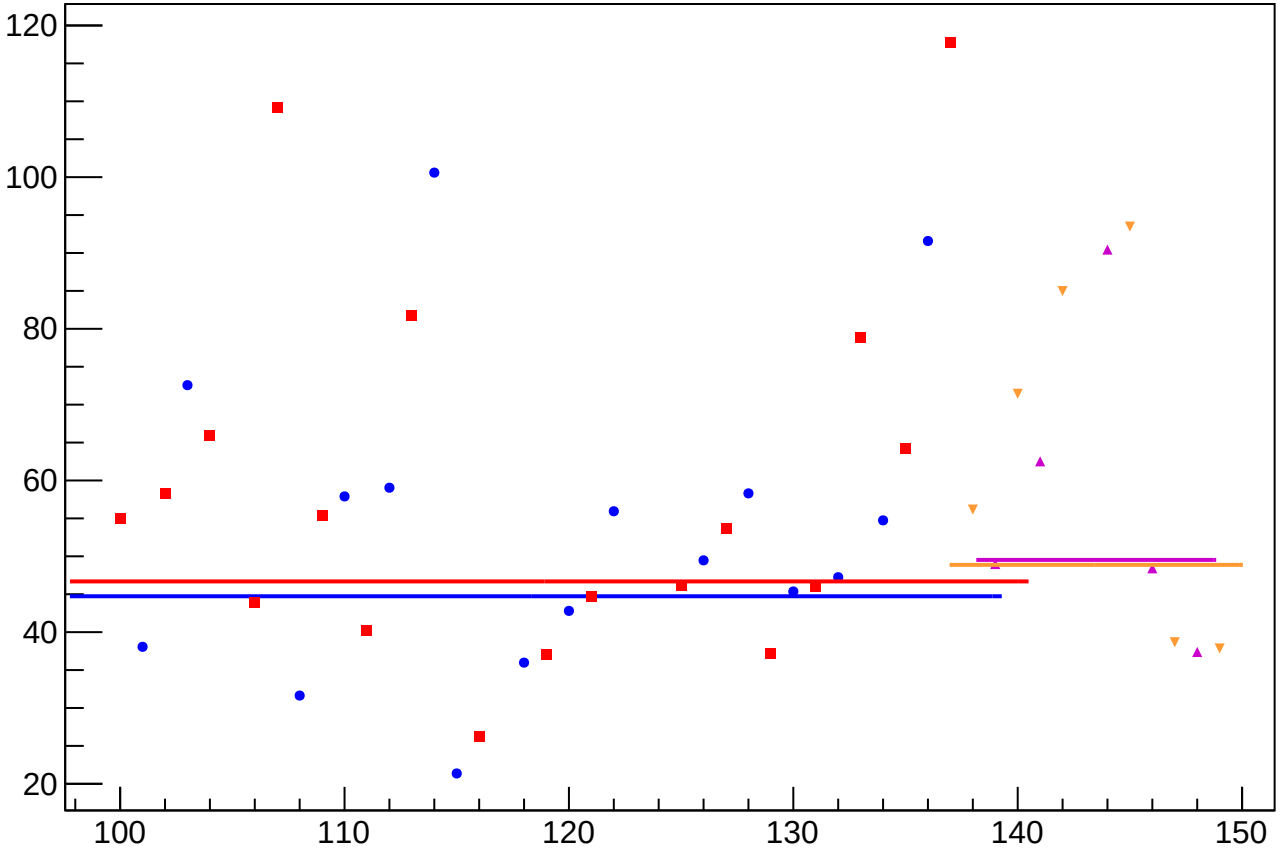
Left In: 0.024+/-0.026 χ^2/NDF:10.7/4

+ sign -0.016+/-0.015 χ^2/NDF: 27.7/21

All: -0.002+/-0.011 χ^2/NDF: 76.9/44

- 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: 48.872+/-0.018 χ^2/NDF:915030.5/5

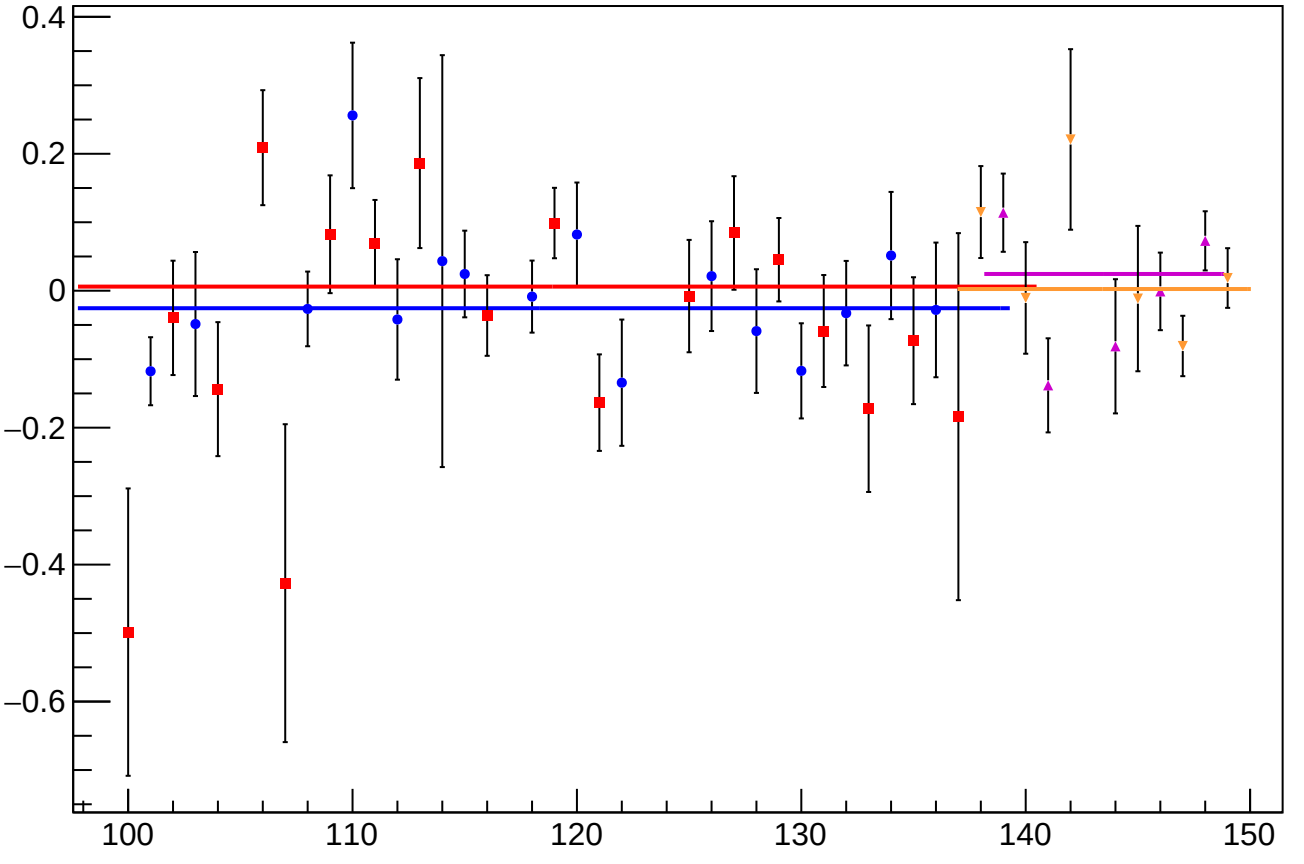
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

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

+ sign 46.200+/-0.011 χ^2/NDF: 2284136.0/21

All: 46.926+/-0.008 χ^2/NDF: 4083627.6/44

- 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: 0.002+/-0.025 χ^2/NDF:9.3/5

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

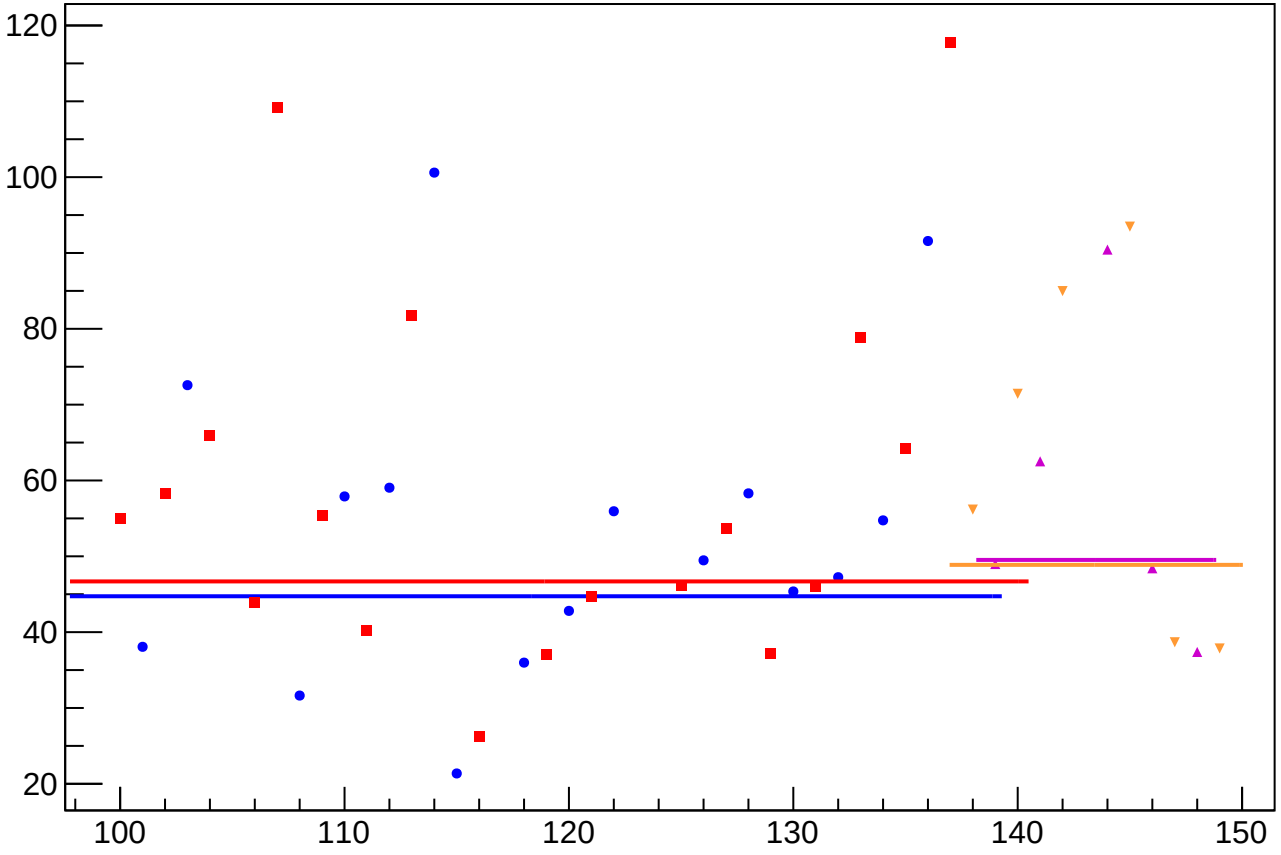
Left In: 0.024+/-0.026 χ^2/NDF:10.7/4

+ sign -0.016+/-0.015 χ^2/NDF: 27.7/21

All: -0.002+/-0.011 χ^2/NDF: 76.9/44

- 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: 48.872+/-0.018 χ^2/NDF:915030.5/5

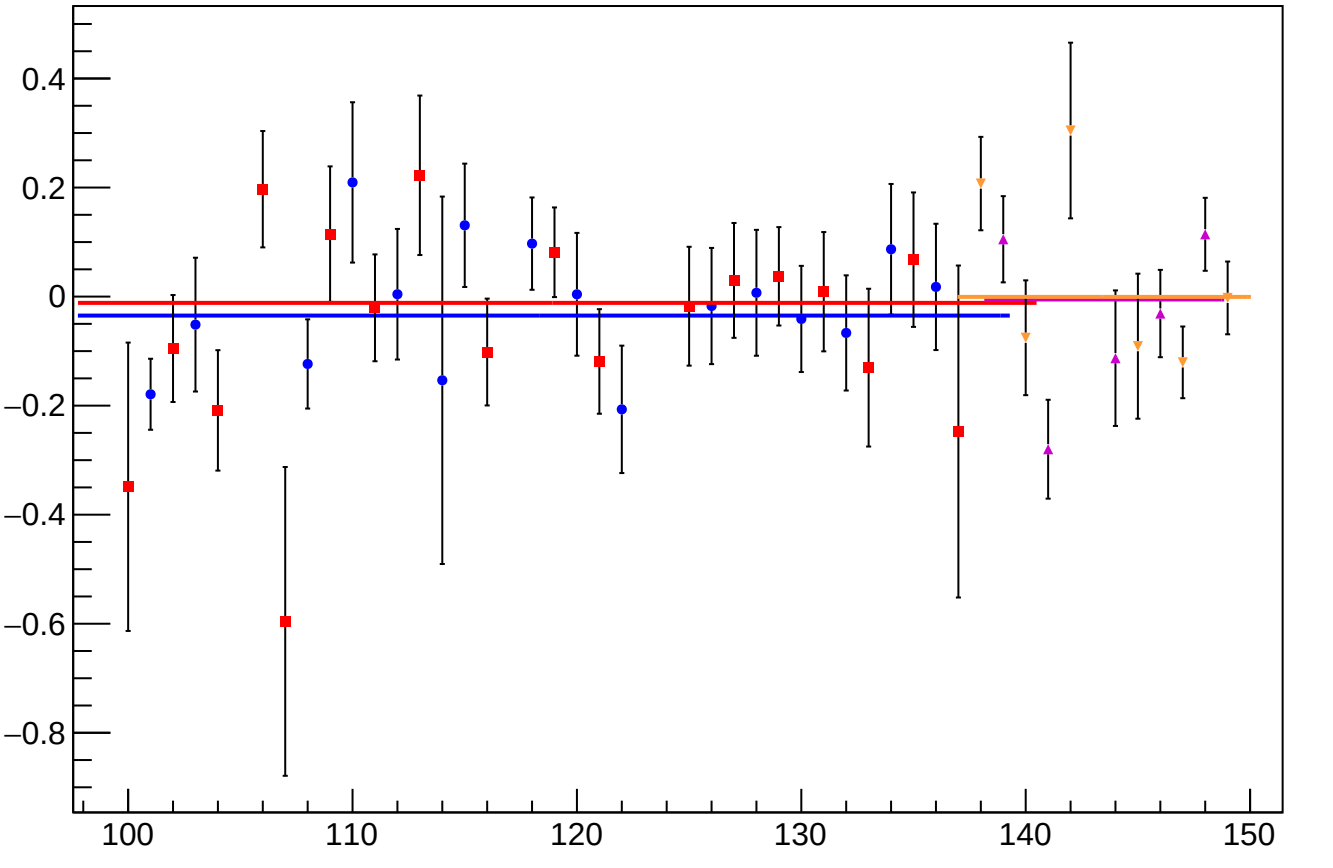
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

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

+ sign 46.200+/-0.011 χ^2/NDF: 2284136.0/21

All: 46.926+/-0.008 χ^2/NDF: 4083627.6/44

- 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: -0.001+/-0.036 χ^2/NDF:13.8/5

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

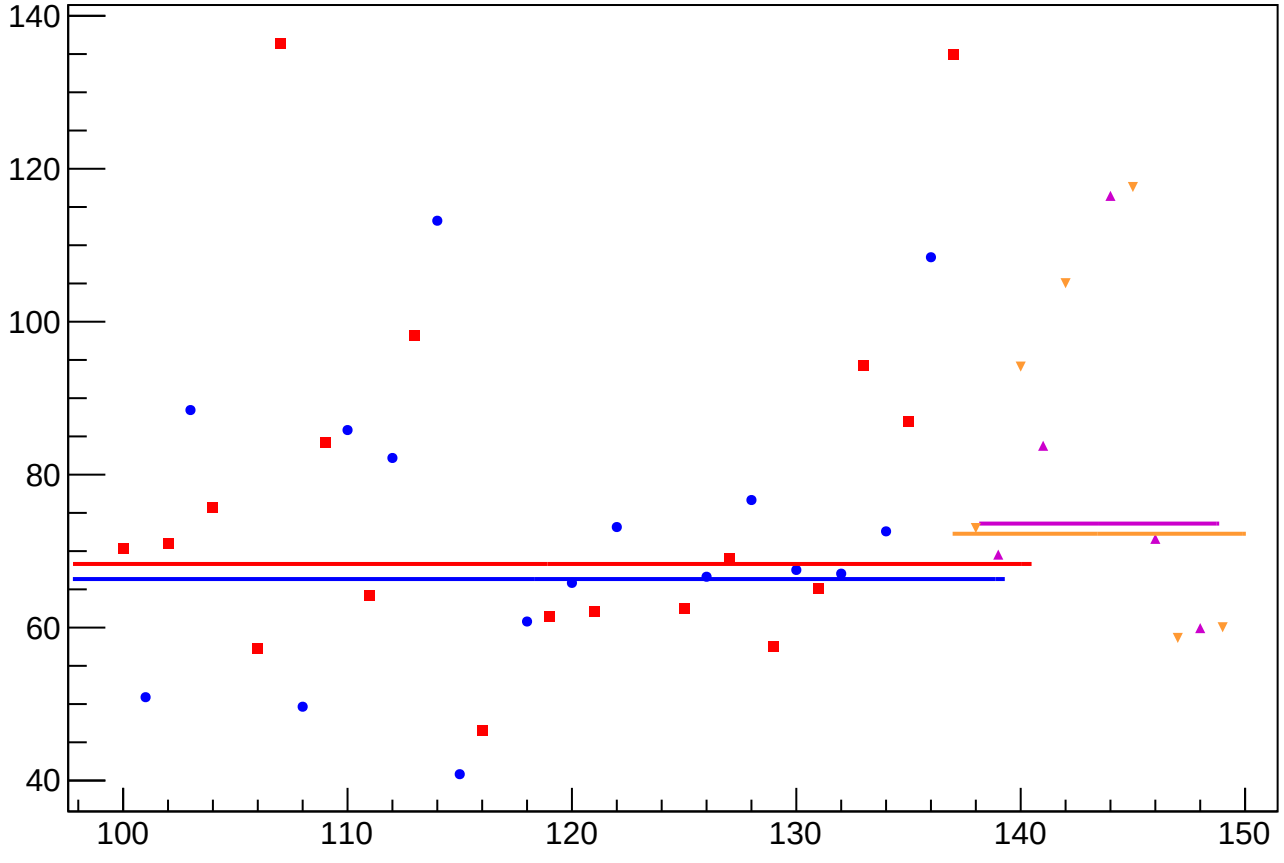
Left In: -0.005+/-0.037 χ^2/NDF:15.2/4

+ sign -0.023+/-0.021 χ^2/NDF: 31.8/21

All: -0.016+/-0.015 χ^2/NDF: 70.0/44

- 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: 72.272+/-0.025 χ^2/NDF:554513.6/5

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

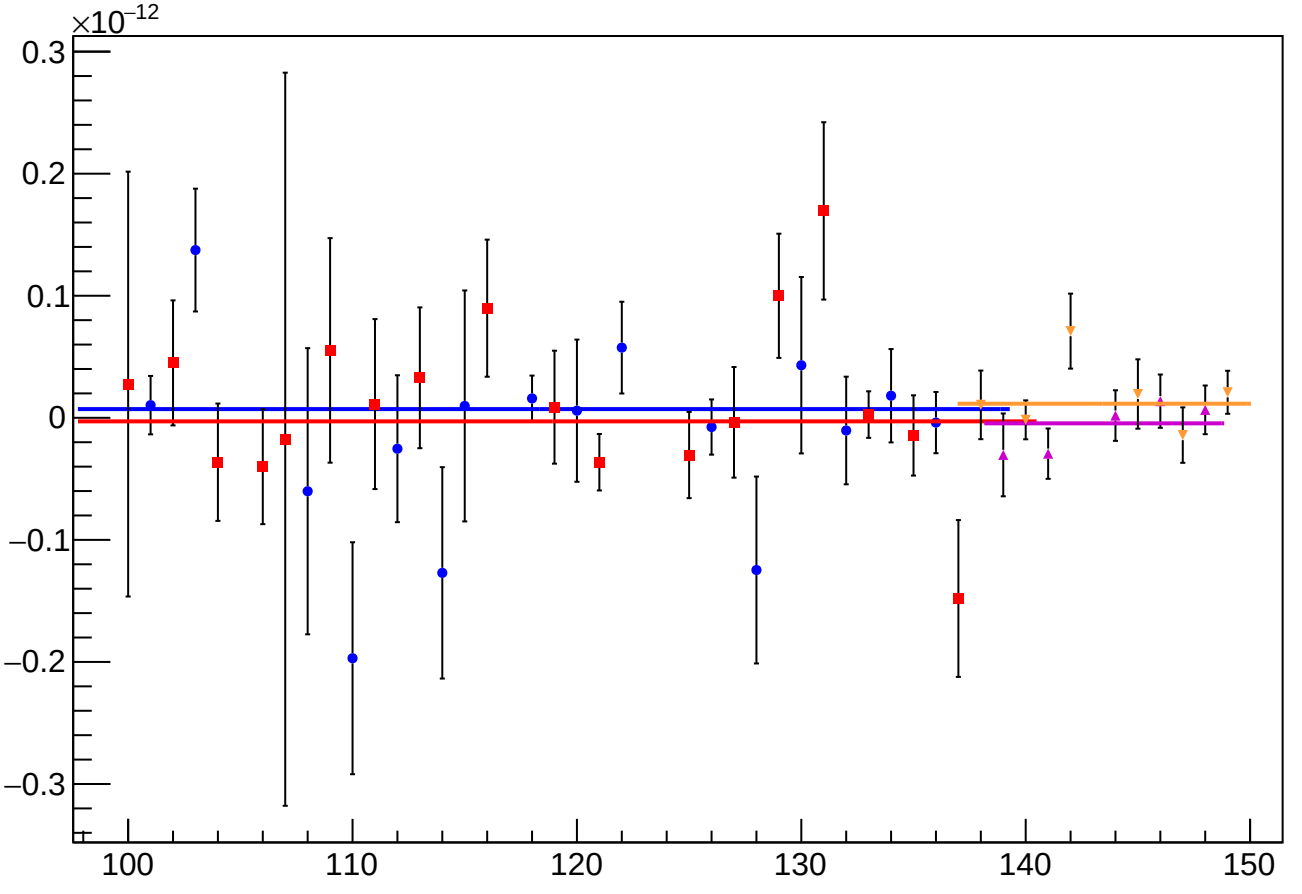
Left In: 73.601+/-0.026 χ^2/NDF:352862.9/4

+ sign 68.417+/-0.015 χ^2/NDF: 1362689.8/21

All: 69.254+/-0.011 χ^2/NDF: 2378159.9/44

- 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:6.1/5

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

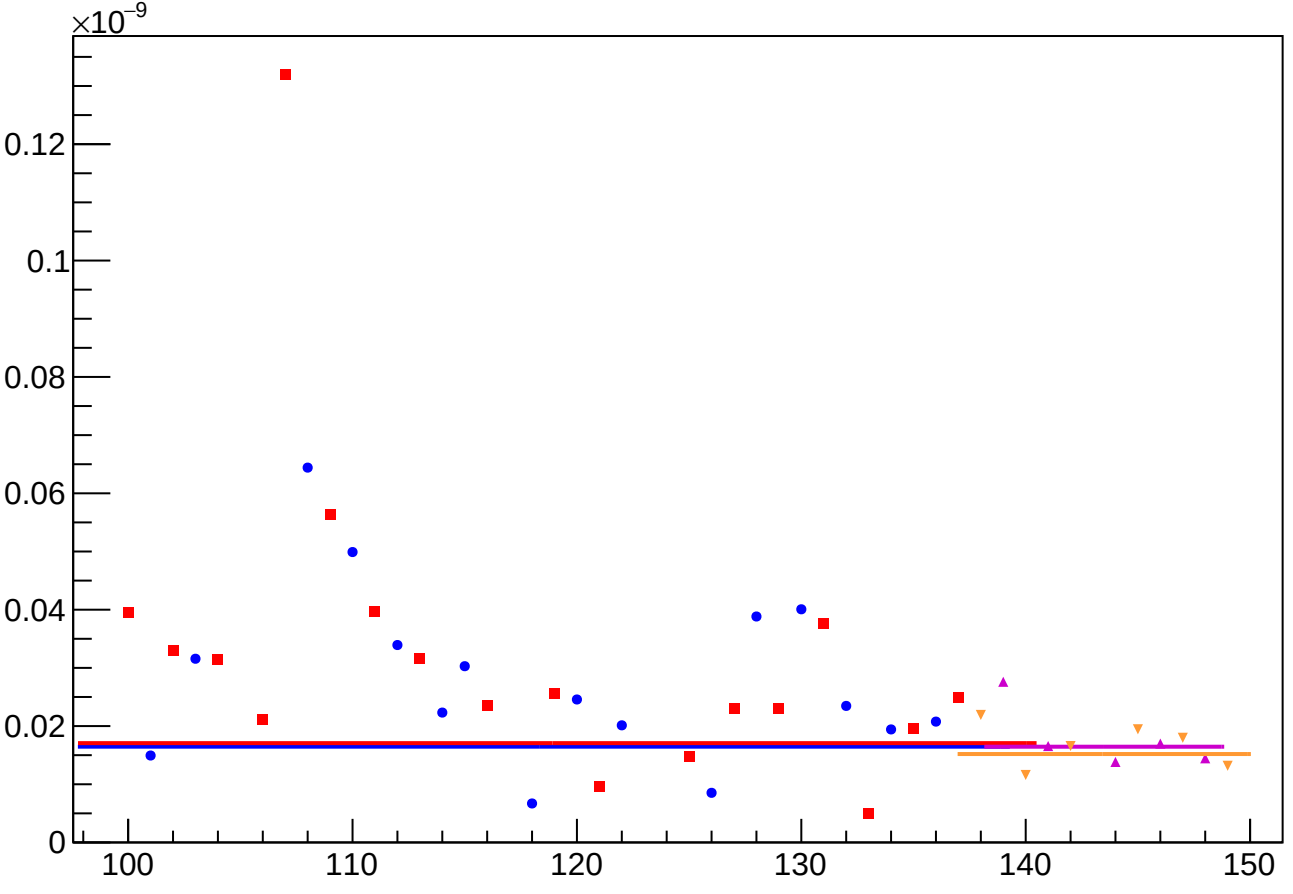
Left In: -0.000+/-0.000 χ^2/NDF:3.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 26.6/21

All: 0.000+/-0.000 χ^2/NDF: 55.1/44

- 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:321441.1/5

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

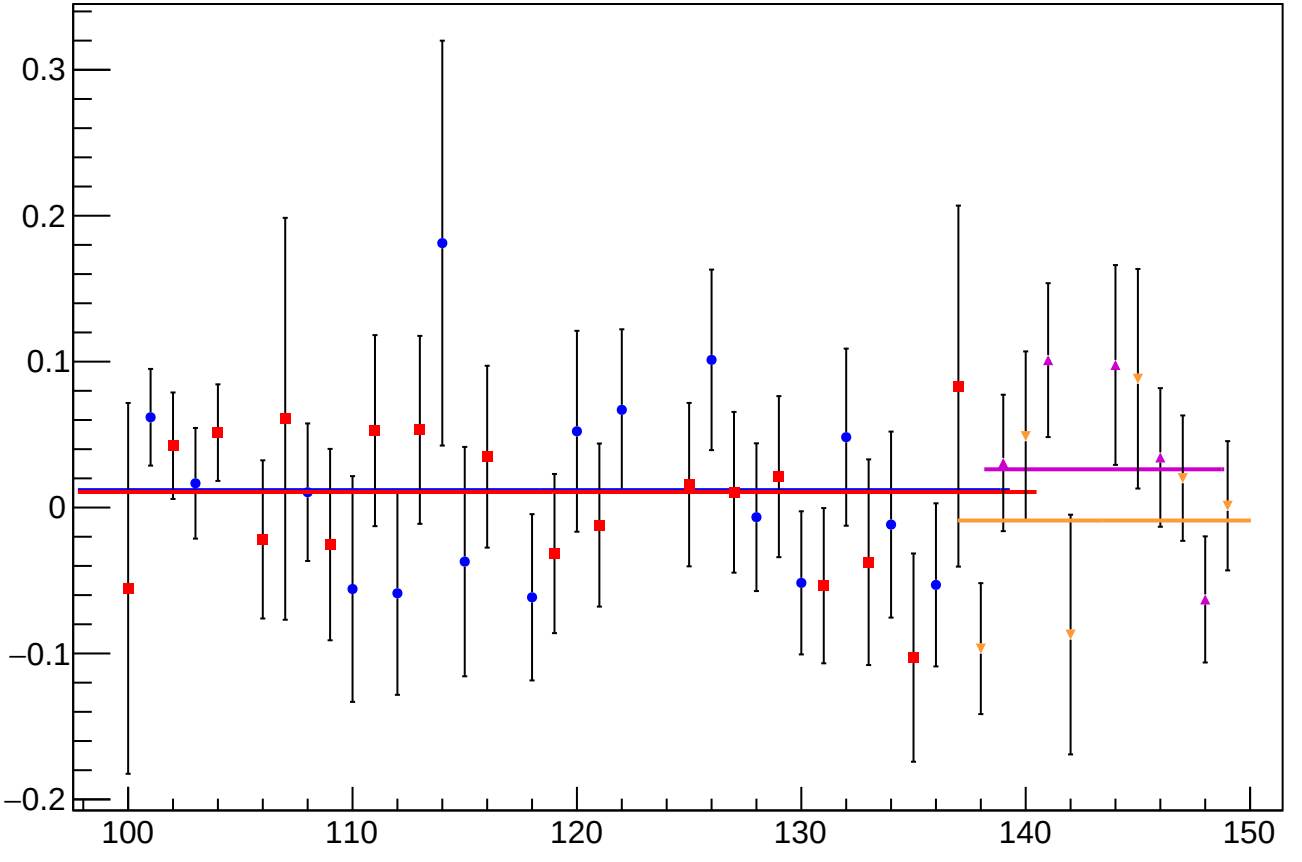
Left In: 0.000+/-0.000 χ^2/NDF:269439.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 2686942.1/21

All: 0.000+/-0.000 χ^2/NDF: 5772097.9/44

- 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: -0.009+/-0.021 χ^2/NDF:7.9/5

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

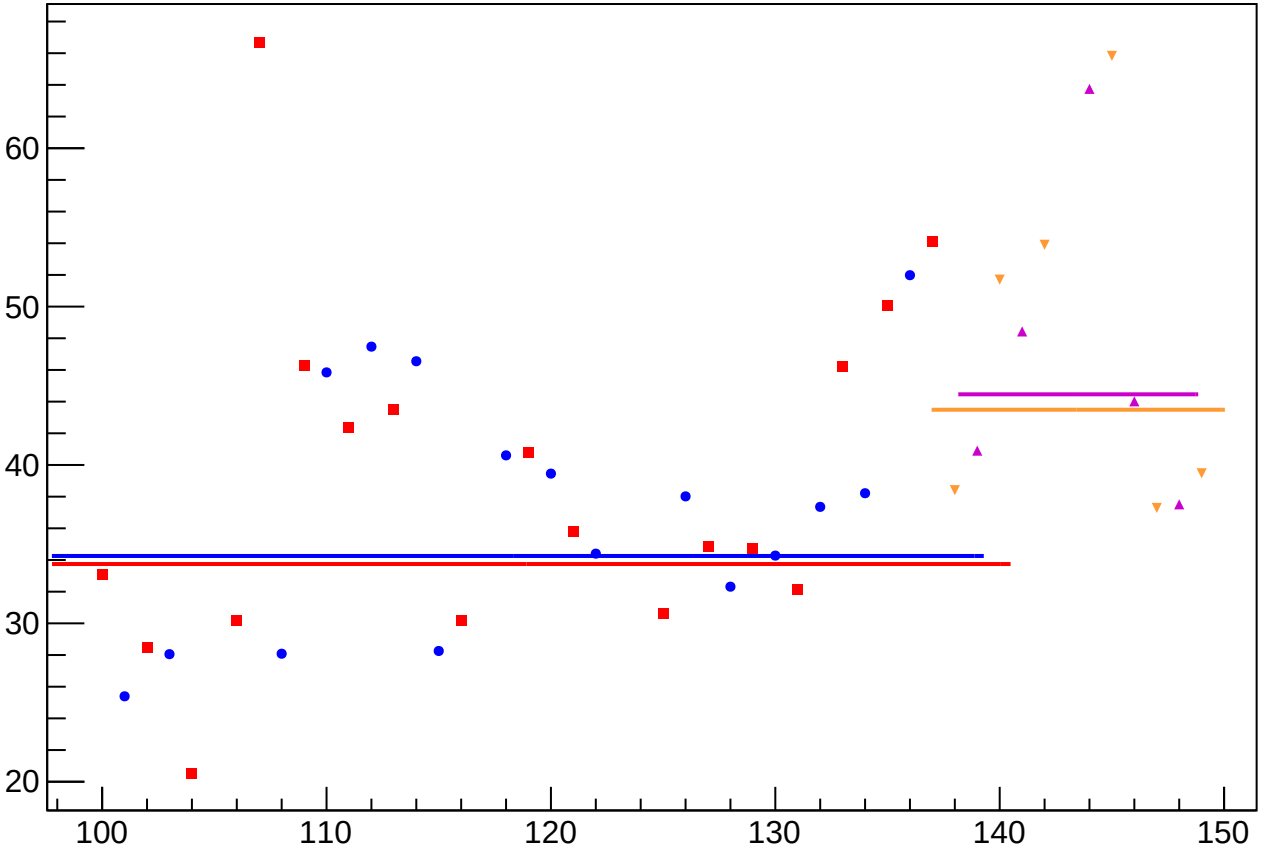
Left In: 0.026+/-0.022 χ^2/NDF:7.4/4

+ sign 0.006+/-0.011 χ^2/NDF: 23.3/21

All: 0.010+/-0.008 χ^2/NDF: 41.3/44

- 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: 43.488+/-0.015 χ^2/NDF:332291.4/5

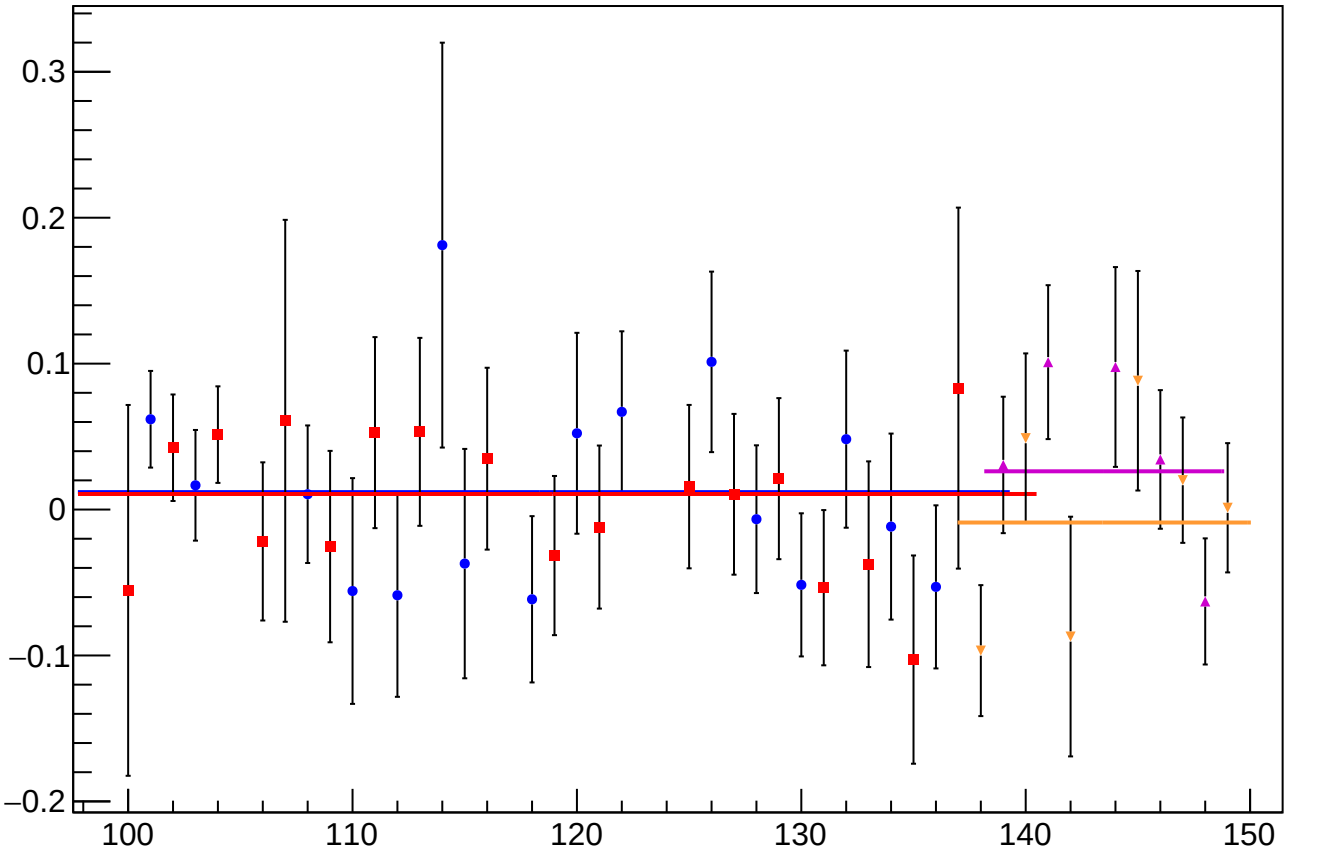
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

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

+ sign 36.902+/-0.008 χ^2/NDF: 1232143.3/21

All: 36.751+/-0.006 χ^2/NDF: 2716646.9/44

- 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: -0.009+/-0.021 χ^2/NDF:7.9/5

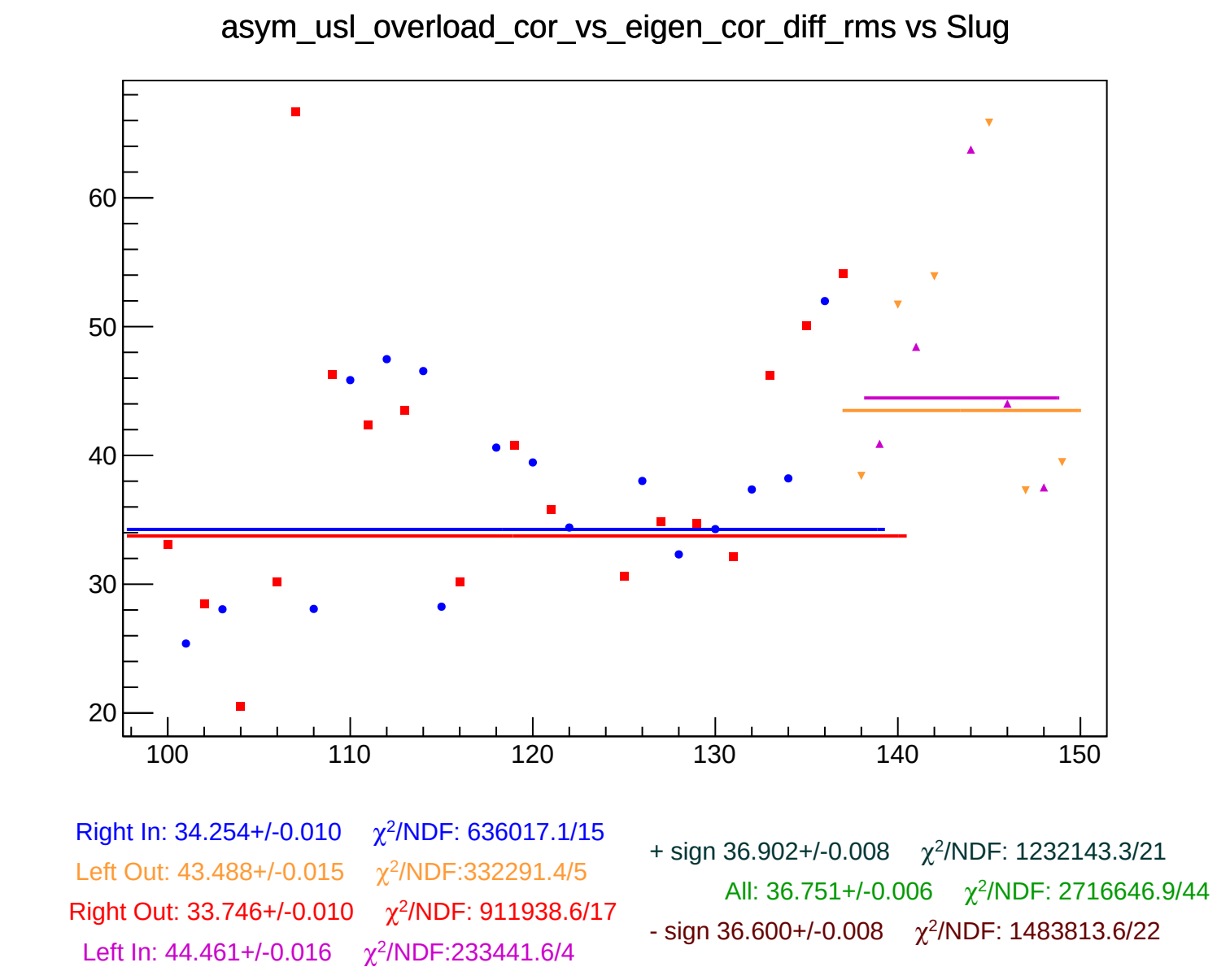
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.026+/-0.022 χ^2/NDF:7.4/4

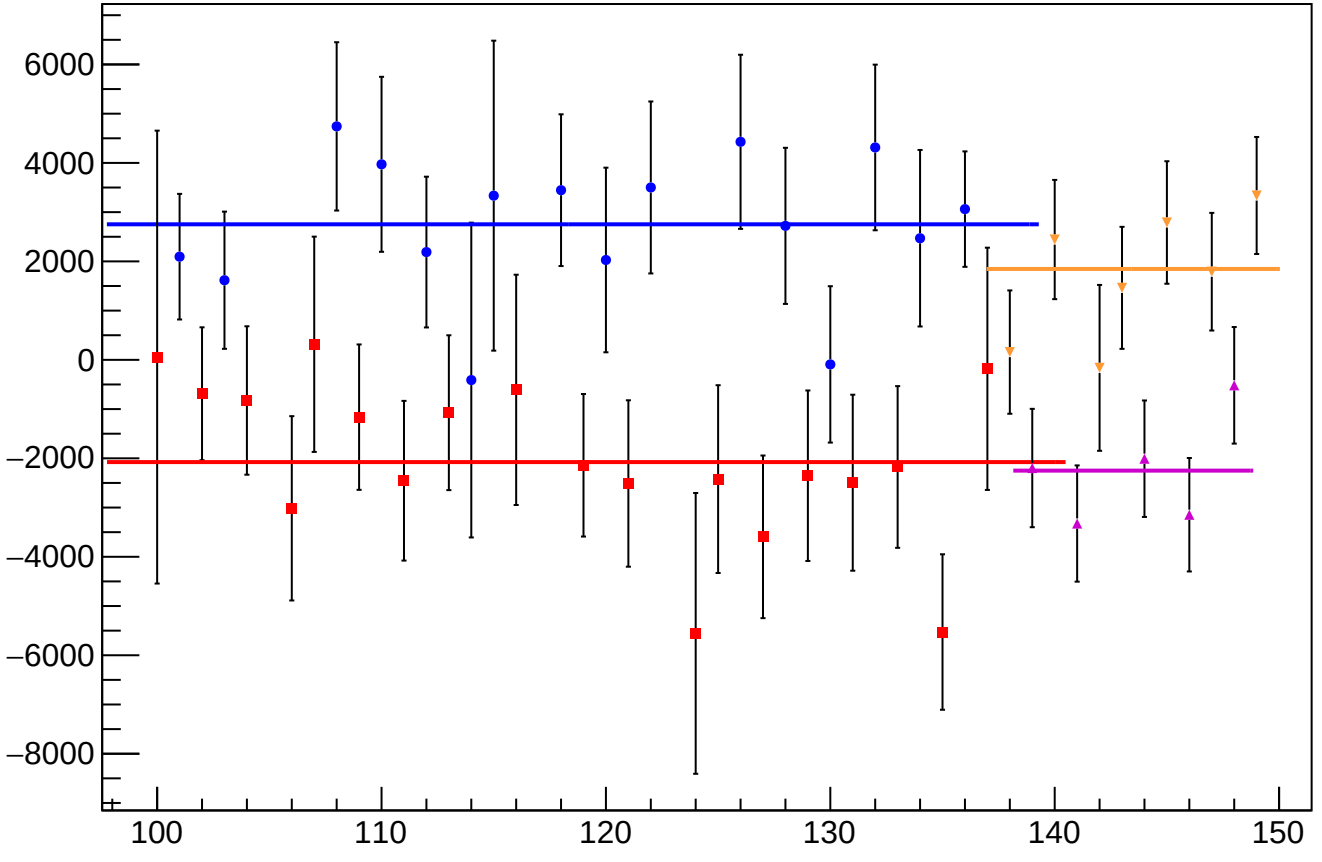
+ sign 0.006+/-0.011 χ^2/NDF: 23.3/21

All: 0.010+/-0.008 χ^2/NDF: 41.3/44

- 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: 43.488+/-0.015 χ²/NDF:332291.4/5
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 44.461+/-0.016 χ²/NDF:233441.6/4
+ sign 36.902+/-0.008 χ²/NDF: 1232143.3/21
All: 36.751+/-0.006 χ²/NDF: 2716646.9/44
- sign 36.600+/-0.008 χ²/NDF: 1483813.6/22

reg_asym_usr_mean vs Slug



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

Left Out: 1846.204+/-477.951 χ^2/NDF:5.7/6

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

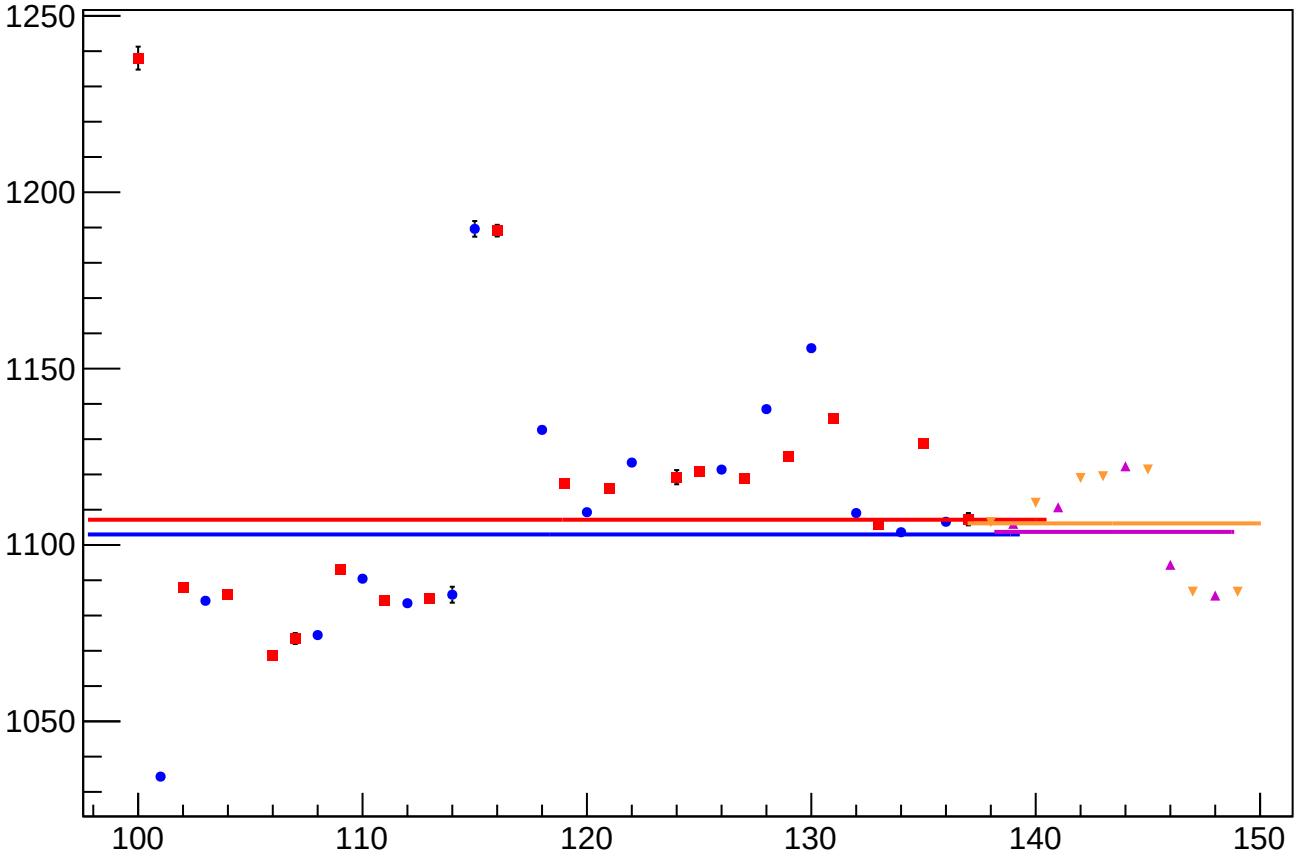
Left In: -2249.871+/-527.692 χ^2/NDF:3.6/4

+ sign 2368.837+/-311.119 χ^2/NDF: 17.3/22

All: 182.393+/-223.298 χ^2/NDF: 135.4/46

- 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: 1106.127+/-0.338 χ^2/NDF:1754.6/6

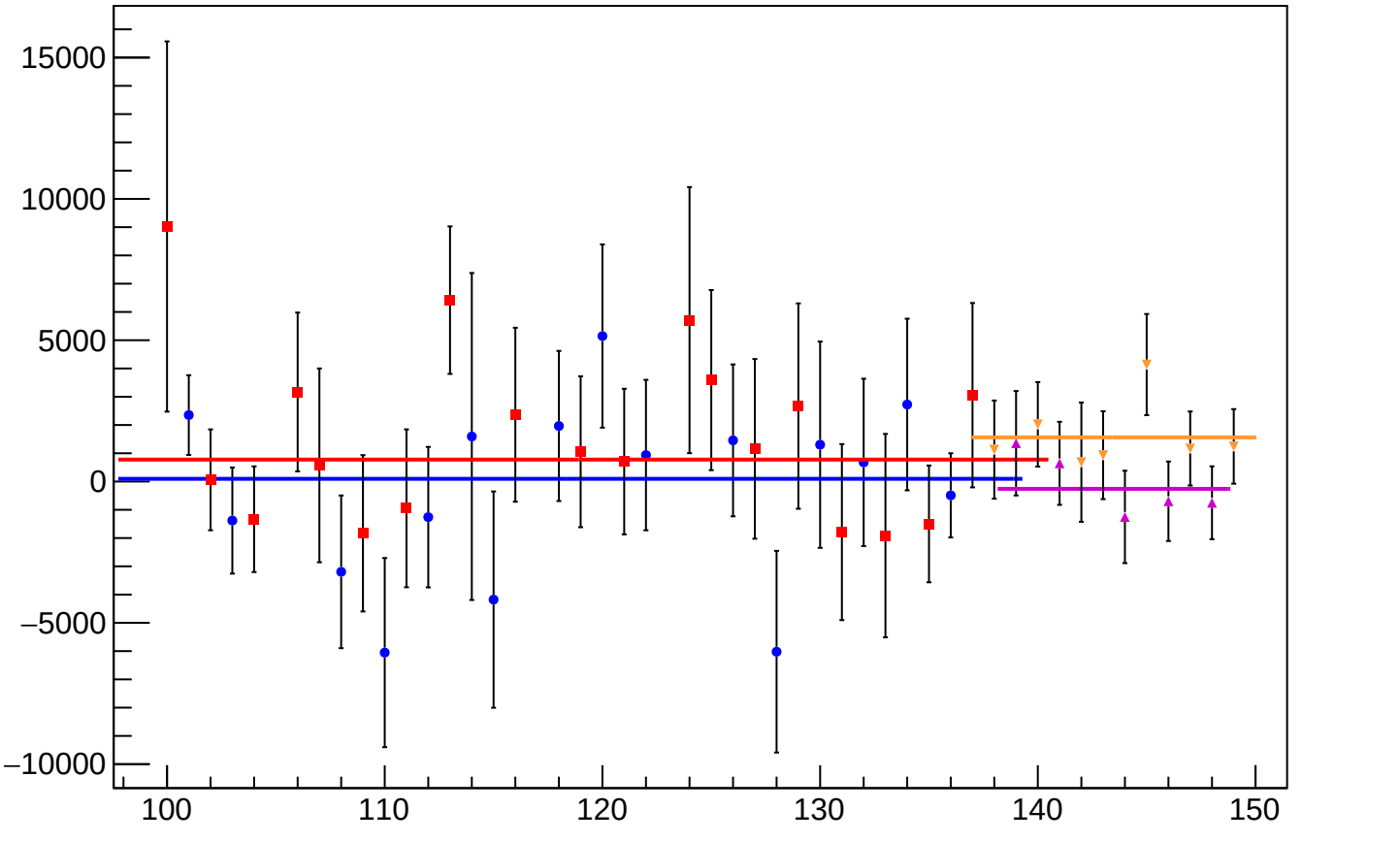
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

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

+ sign 1104.318+/-0.220 χ^2/NDF: 15028.1/22

All: 1105.078+/-0.158 χ^2/NDF: 24958.0/46

- 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: 1561.199+/-588.514 χ^2/NDF:2.7/6

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

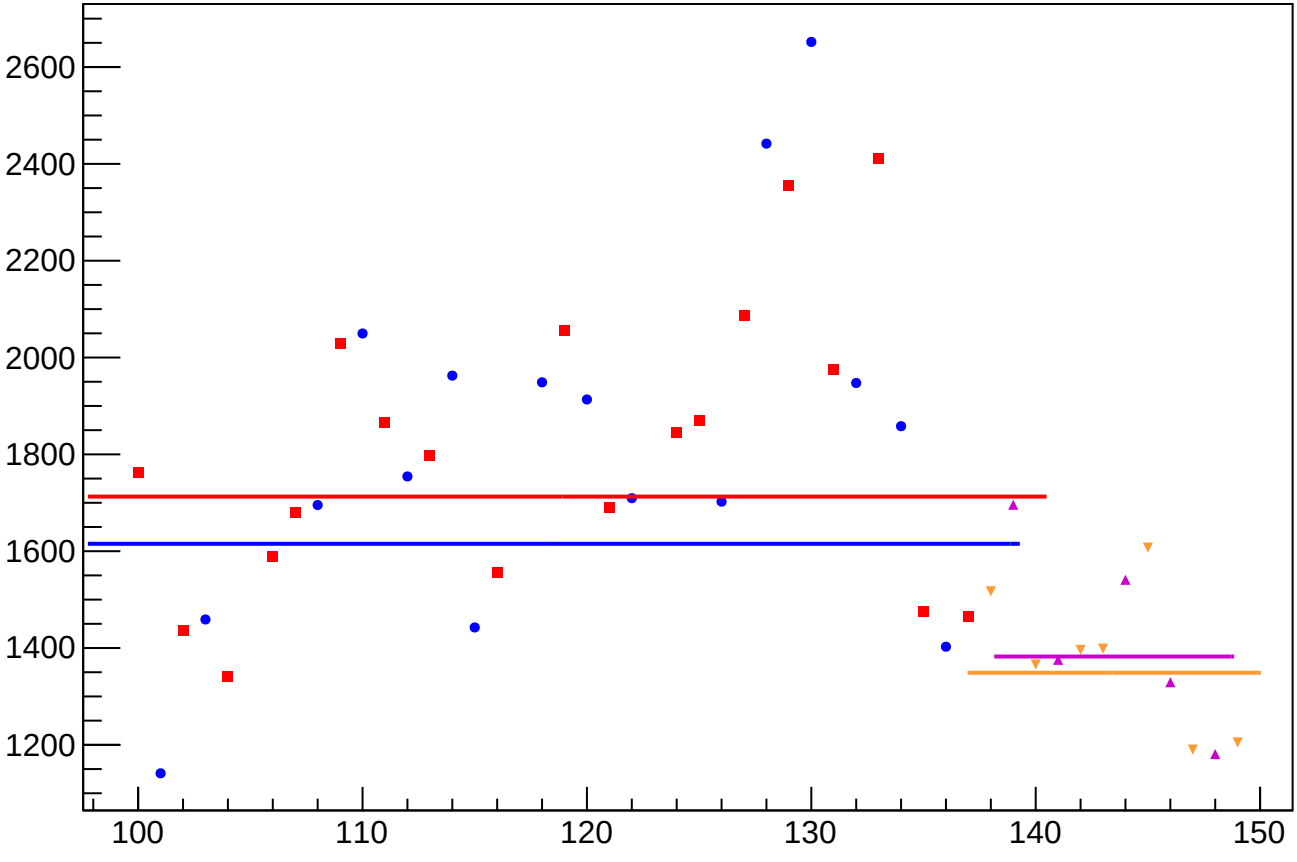
Left In: -258.003+/-668.430 χ^2/NDF:1.8/4

+ sign 864.476+/-426.216 χ^2/NDF: 22.6/22

All: 597.237+/-312.995 χ^2/NDF: 41.5/46

- 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: 1348.970+/-0.416 χ^2/NDF:117038.4/6

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

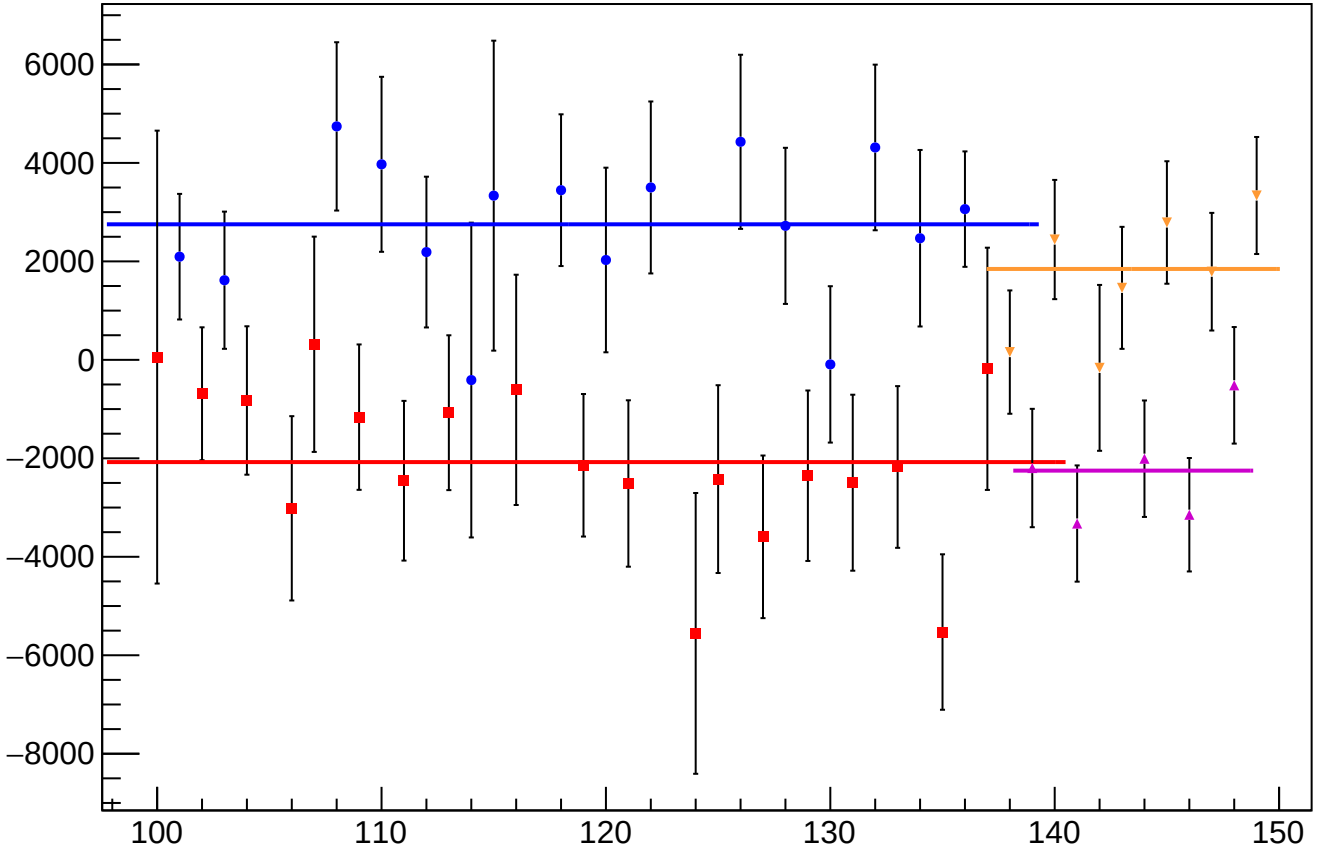
Left In: 1382.467+/-0.473 χ^2/NDF:128143.2/4

+ sign 1475.617+/-0.301 χ^2/NDF: 1005454.1/22

All: 1512.462+/-0.221 χ^2/NDF: 1850092.1/46

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

cor_asym_usr_mean vs Slug



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

Left Out: 1846.204+/-477.951 χ^2/NDF:5.7/6

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

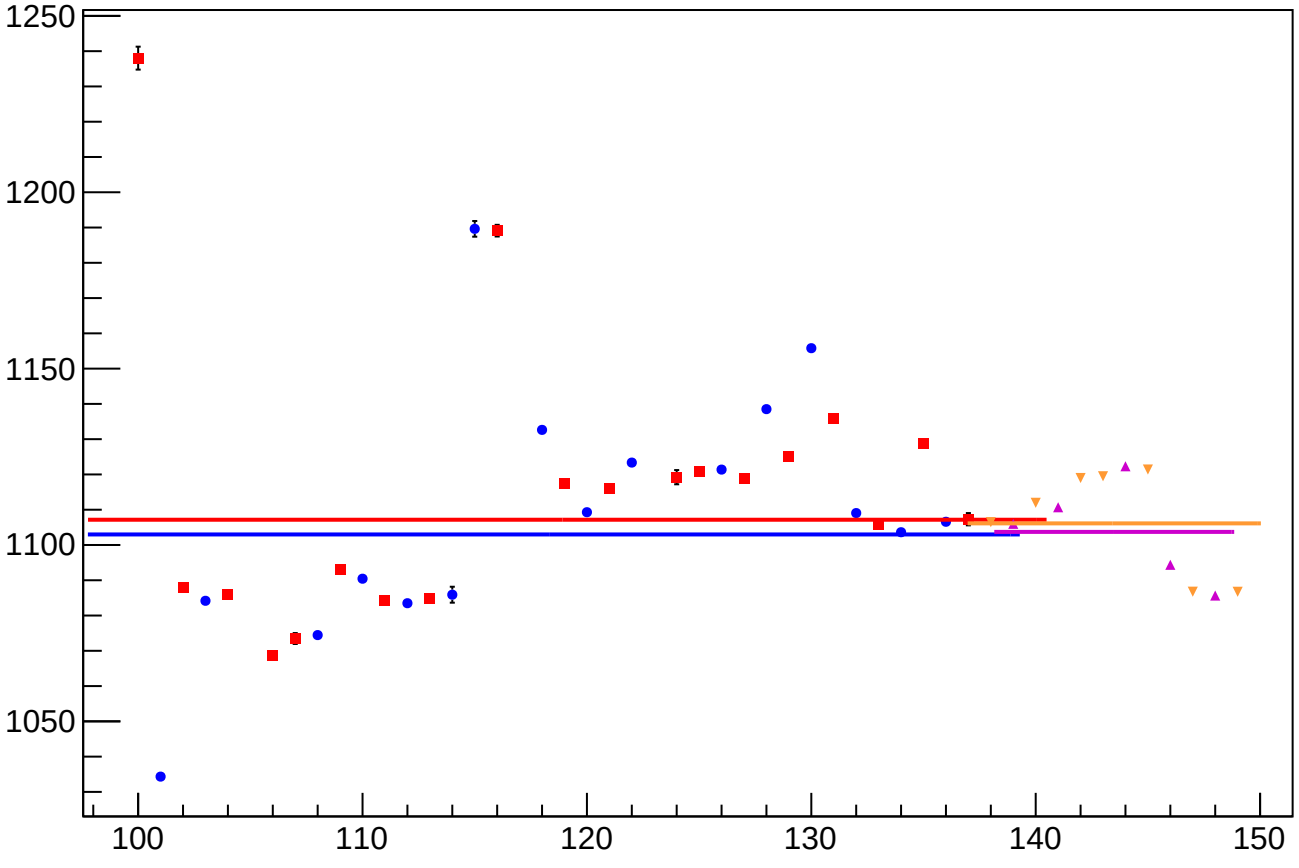
Left In: -2249.871+/-527.692 χ^2/NDF:3.6/4

+ sign 2368.837+/-311.119 χ^2/NDF: 17.3/22

All: 182.393+/-223.298 χ^2/NDF: 135.4/46

- 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: 1106.127+/-0.338 χ^2/NDF:1754.6/6

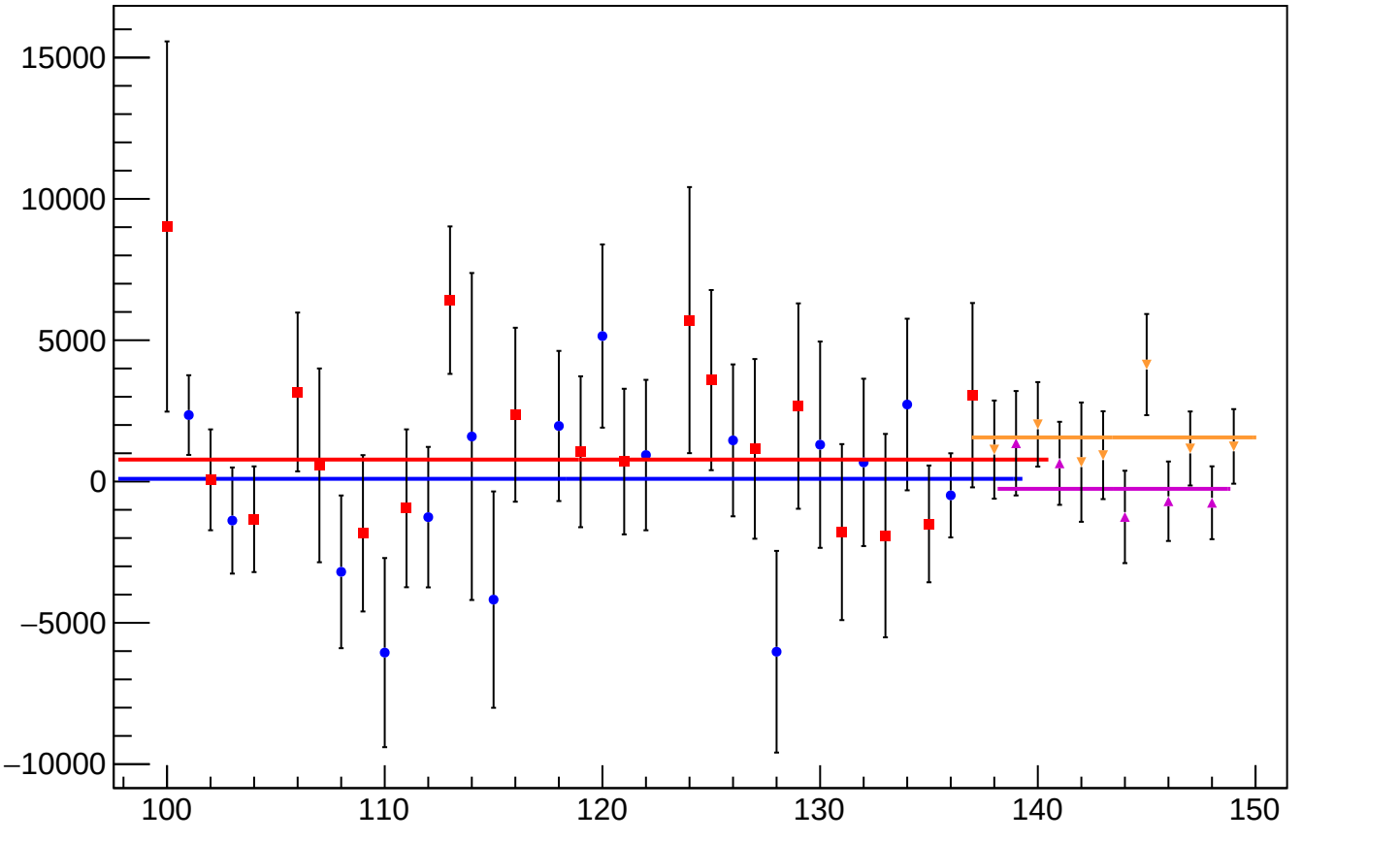
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

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

+ sign 1104.318+/-0.220 χ^2/NDF: 15028.1/22

All: 1105.078+/-0.158 χ^2/NDF: 24958.0/46

- 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: 1561.199+/-588.514 χ^2/NDF:2.7/6

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

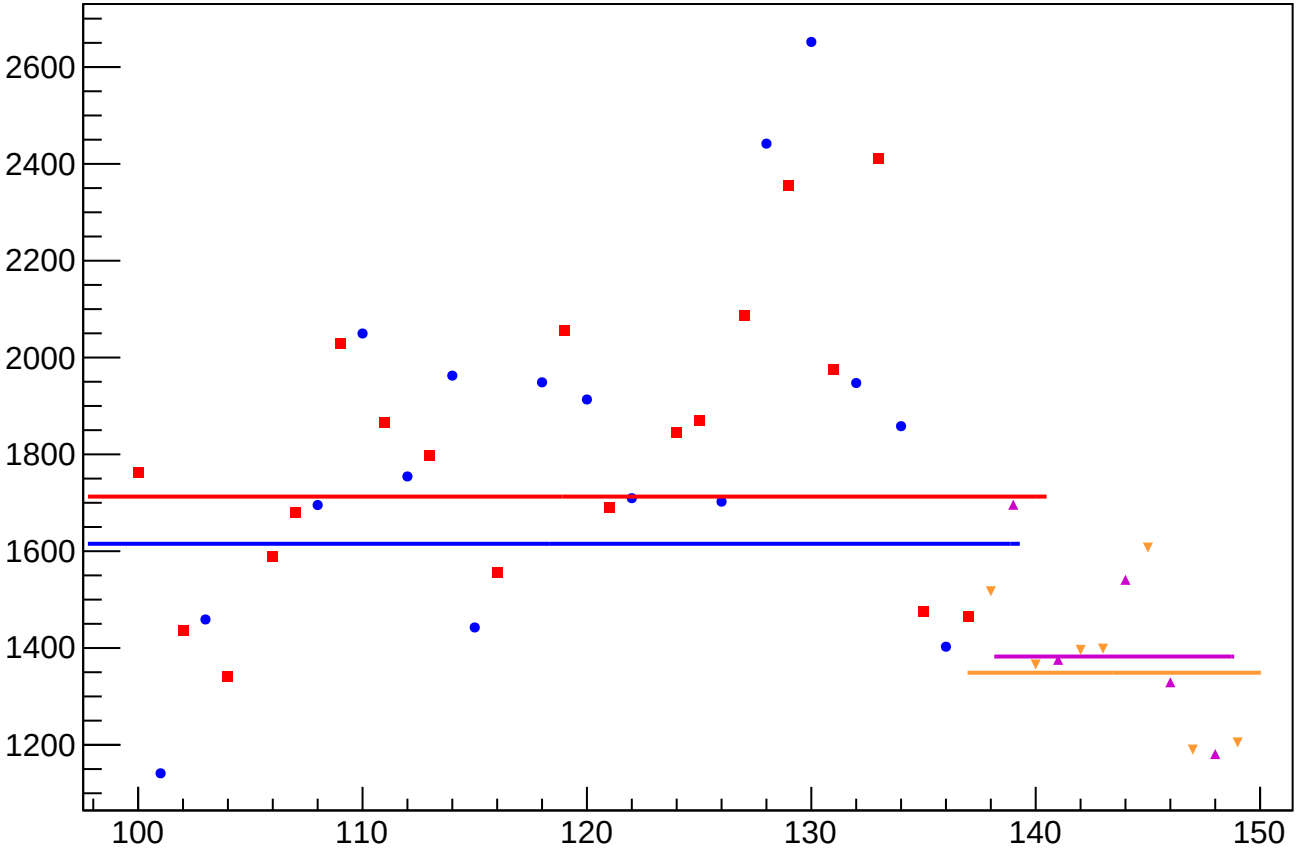
Left In: -258.003+/-668.430 χ^2/NDF:1.8/4

+ sign 864.476+/-426.216 χ^2/NDF: 22.6/22

All: 597.237+/-312.995 χ^2/NDF: 41.5/46

- 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: 1348.970+/-0.416 χ^2/NDF:117038.4/6

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

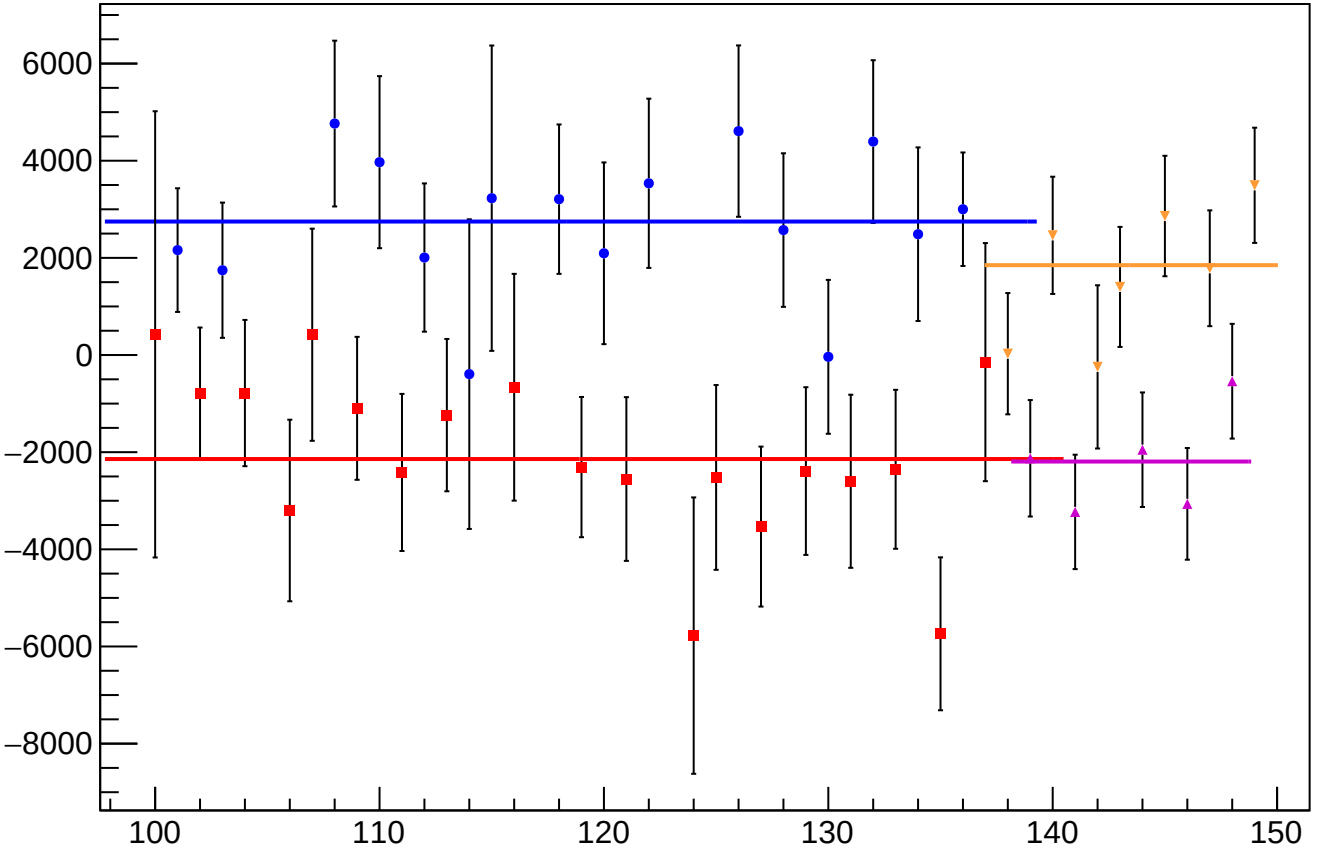
Left In: 1382.467+/-0.473 χ^2/NDF:128143.2/4

+ sign 1475.617+/-0.301 χ^2/NDF: 1005454.1/22

All: 1512.462+/-0.221 χ^2/NDF: 1850092.1/46

- 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: 1849.756+/-476.593 χ^2/NDF:6.7/6

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

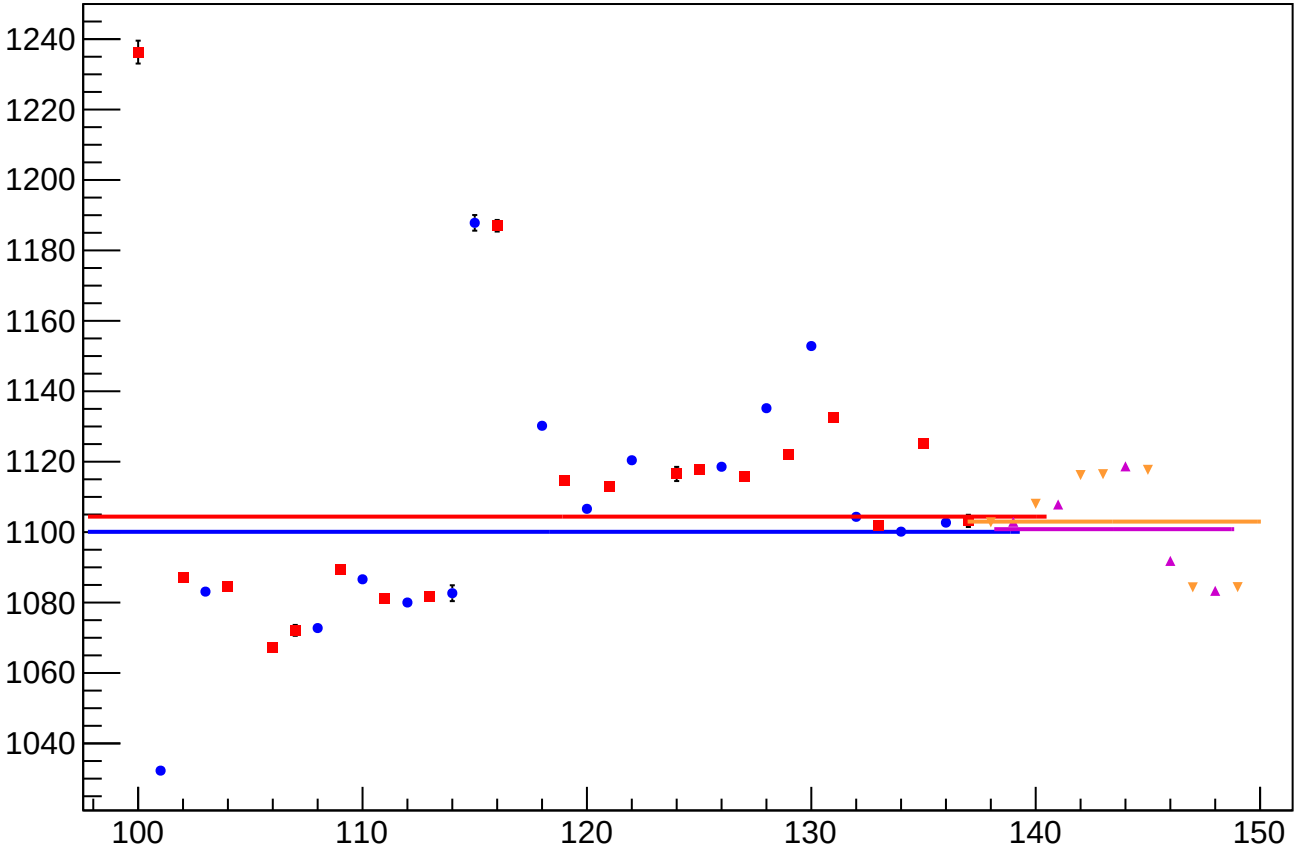
Left In: -2192.786+/-526.317 χ^2/NDF:3.4/4

+ sign 2367.263+/-310.272 χ^2/NDF: 18.2/22

All: 172.434+/-222.710 χ^2/NDF: 138.4/46

- 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: 1102.991+/-0.337 χ^2/NDF:1660.4/6

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

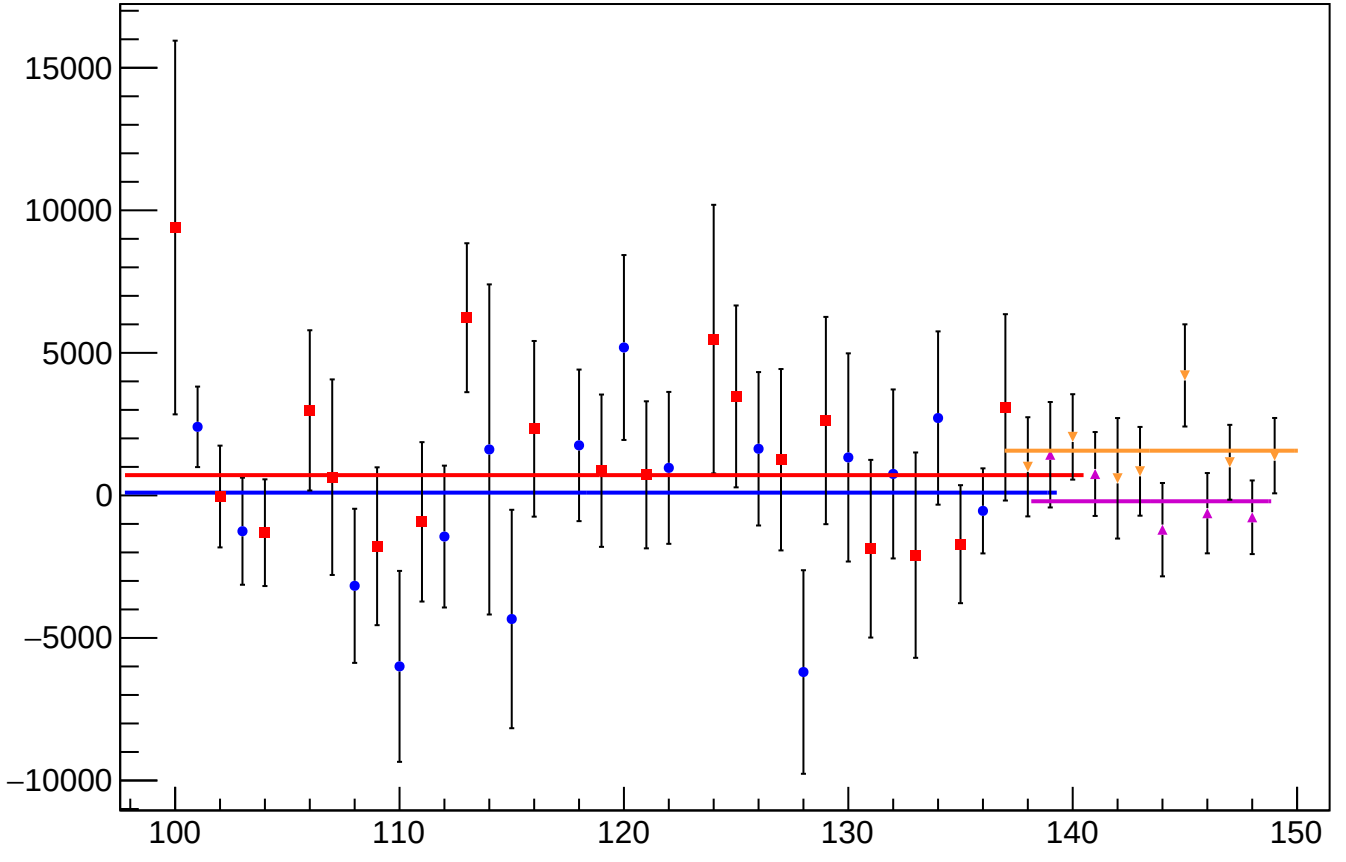
Left In: 1100.839+/-0.372 χ^2/NDF:1097.2/4

+ sign 1101.320+/-0.219 χ^2/NDF: 14780.2/22

All: 1102.176+/-0.157 χ^2/NDF: 24510.1/46

- 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: 1568.492+/-589.598 χ^2/NDF:2.9/6

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

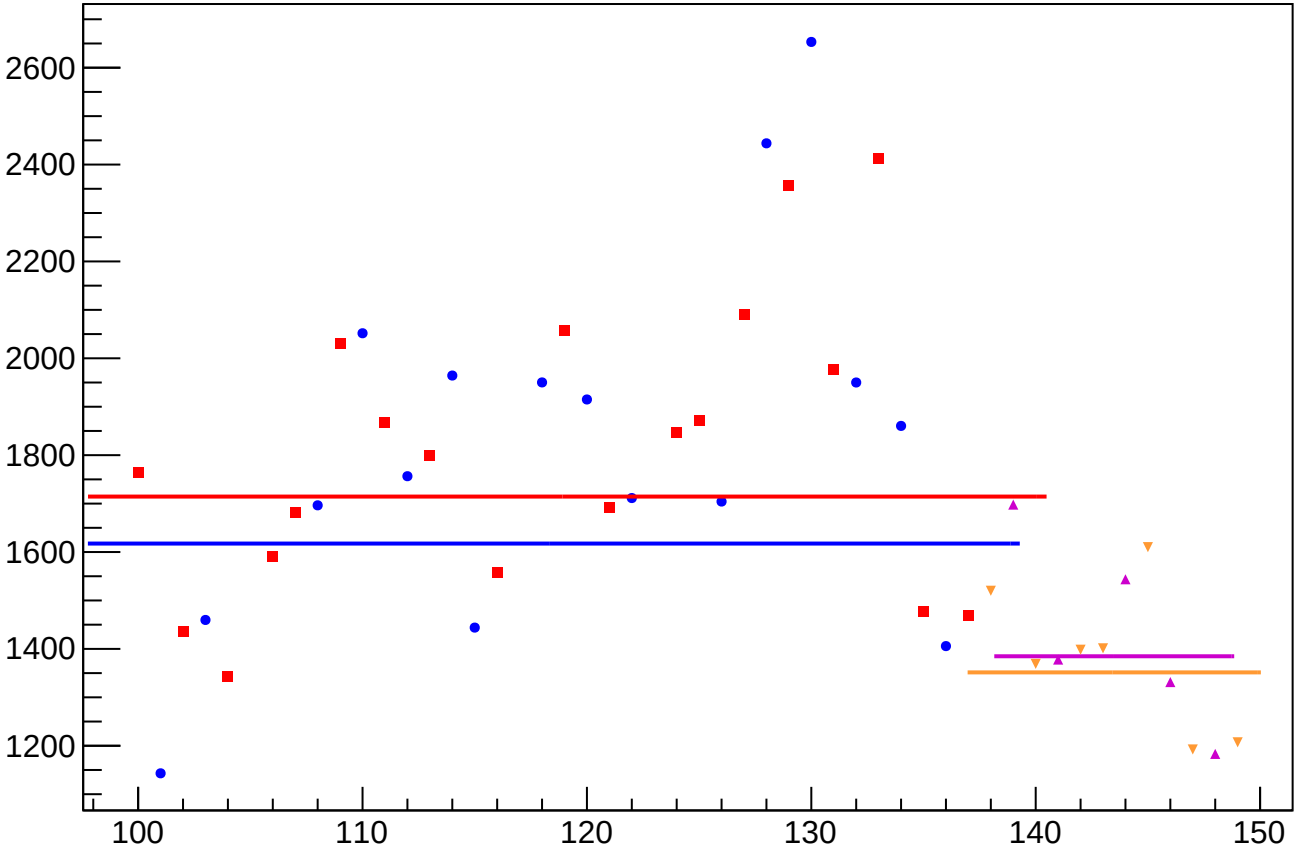
Left In: -205.570+/-669.524 χ^2/NDF:1.8/4

\+ sign 868.582+/-426.884 χ^2/NDF: 23.1/22

All: 595.140+/-313.445 χ^2/NDF: 41.8/46

\- 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: 1351.487+/-0.417 χ^2/NDF:116950.4/6

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

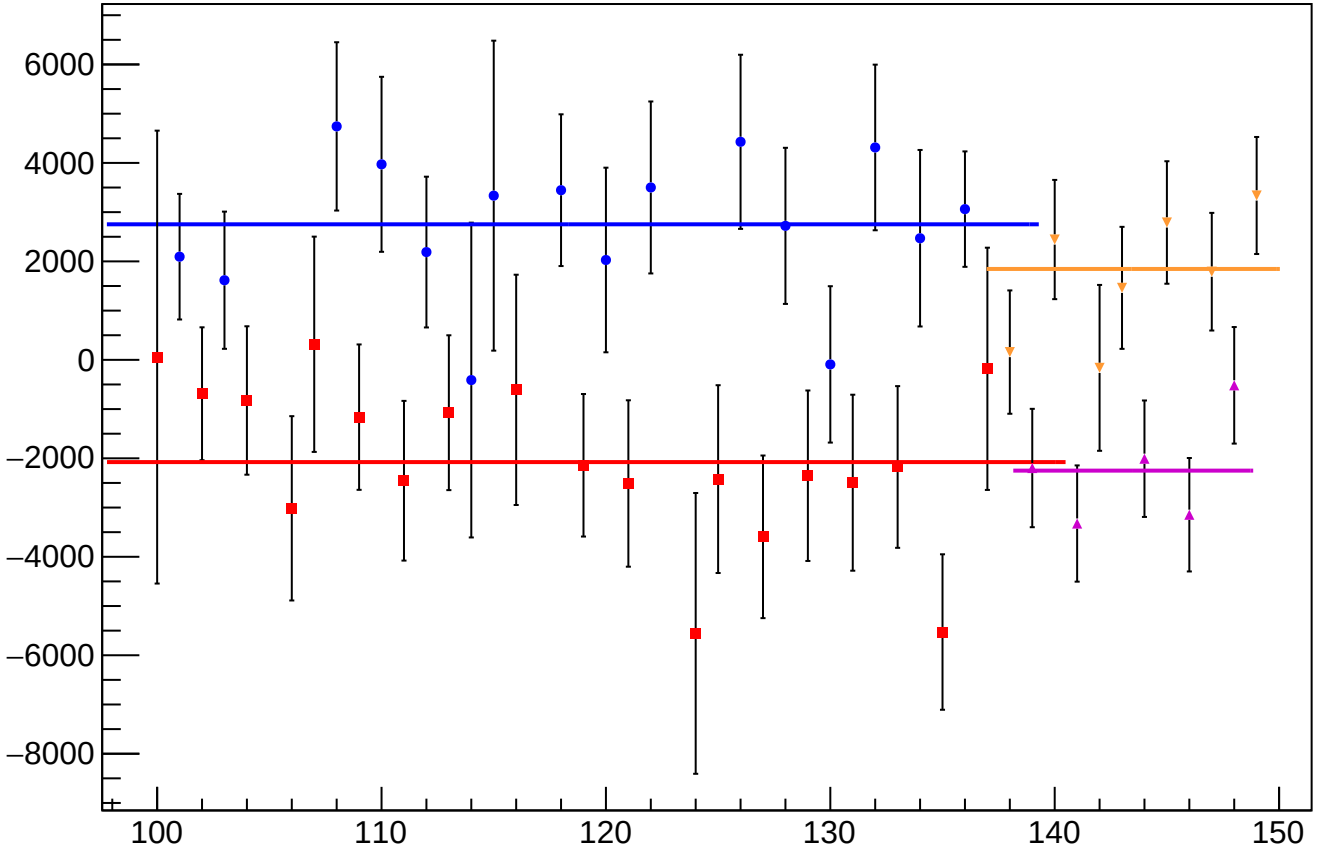
Left In: 1384.781+/-0.473 χ^2/NDF:127826.4/4

+ sign 1478.048+/-0.302 χ^2/NDF: 1002365.9/22

All: 1514.754+/-0.222 χ^2/NDF: 1844369.6/46

- 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: 1846.204+/-477.951 χ^2/NDF:5.7/6

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

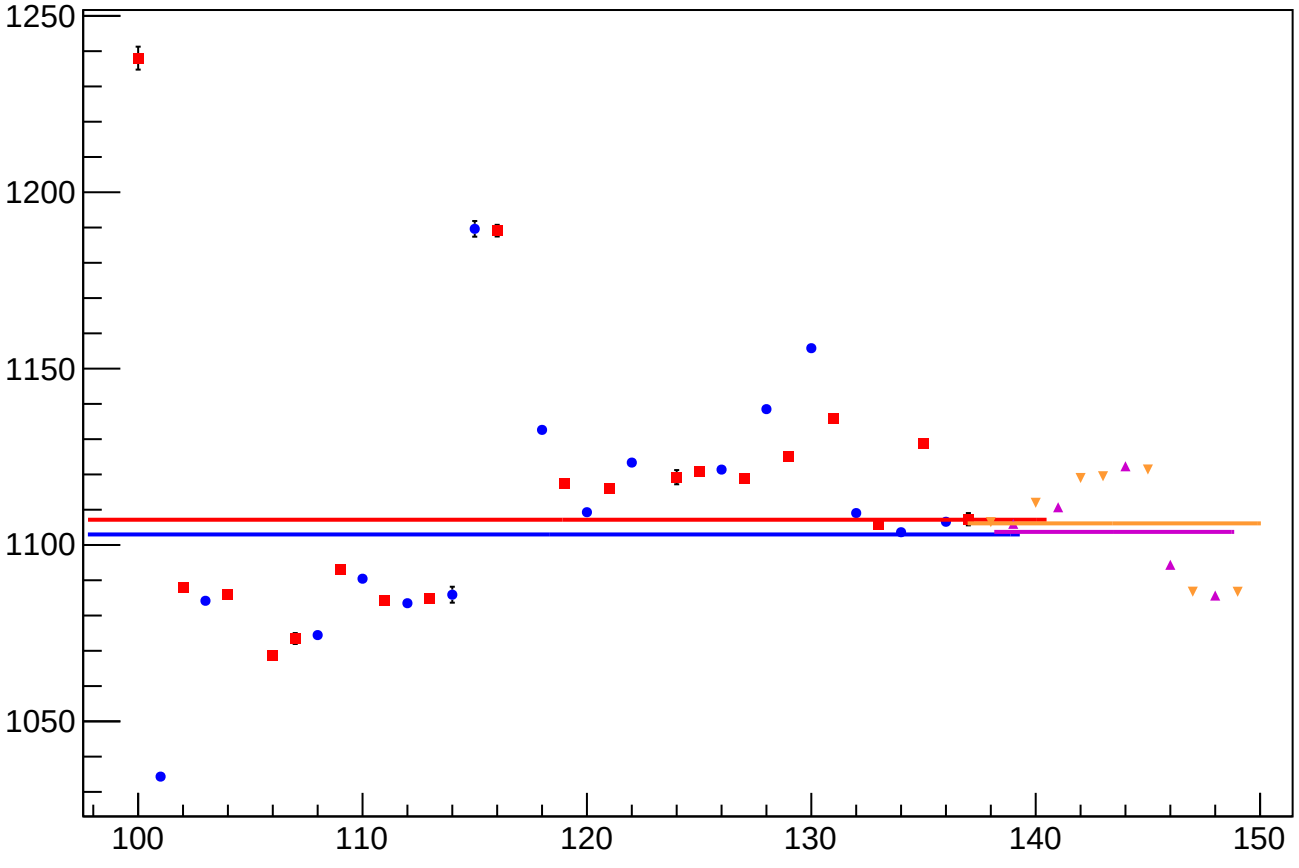
Left In: -2249.871+/-527.692 χ^2/NDF:3.6/4

+ sign 2368.837+/-311.119 χ^2/NDF: 17.3/22

All: 182.393+/-223.298 χ^2/NDF: 135.4/46

- 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: 1106.127+/-0.338 χ^2/NDF:1754.6/6

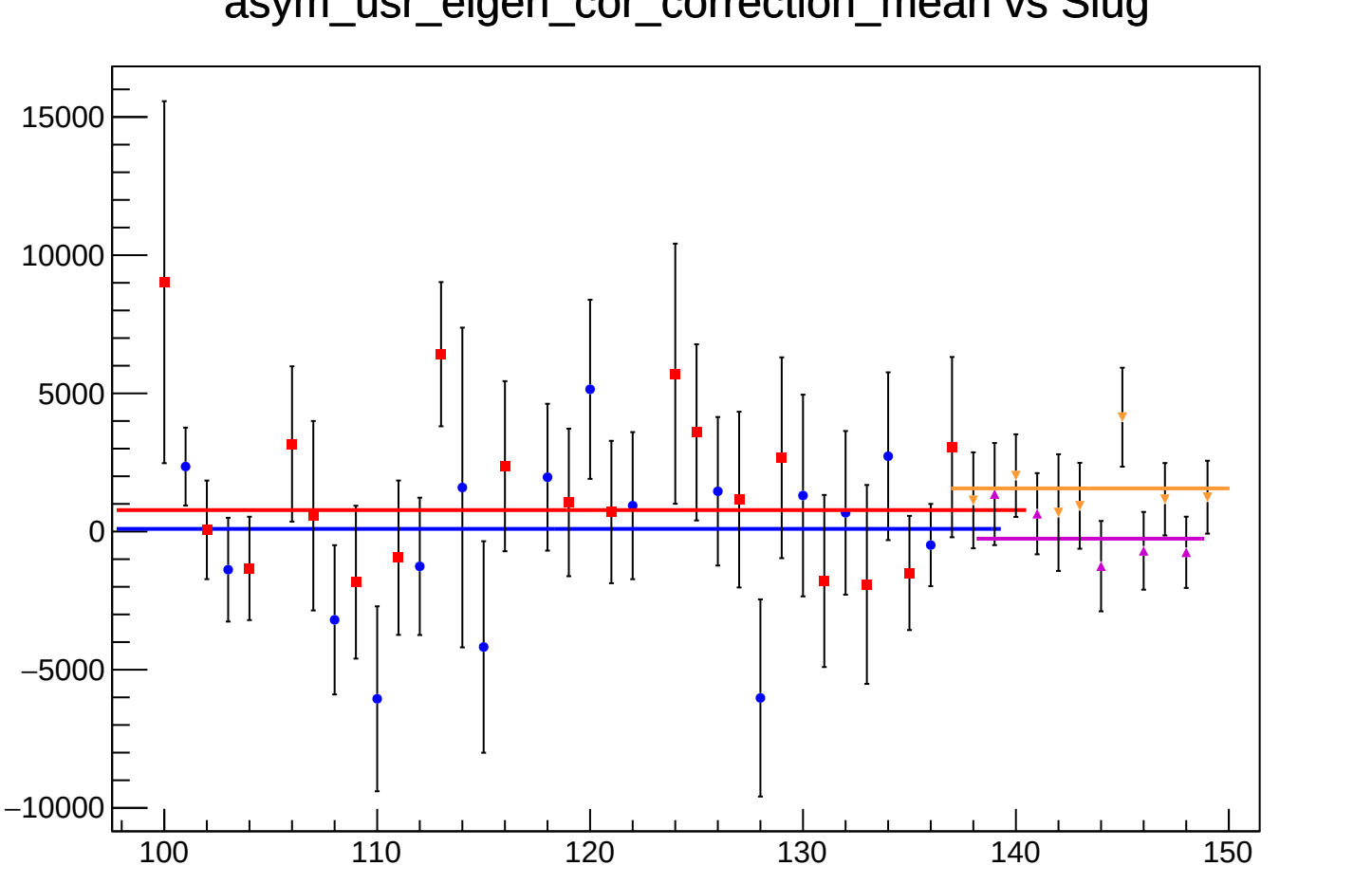
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

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

+ sign 1104.318+/-0.220 χ^2/NDF: 15028.1/22

All: 1105.078+/-0.158 χ^2/NDF: 24958.0/46

- 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: 1561.199+/-588.514 χ^2/NDF:2.7/6

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

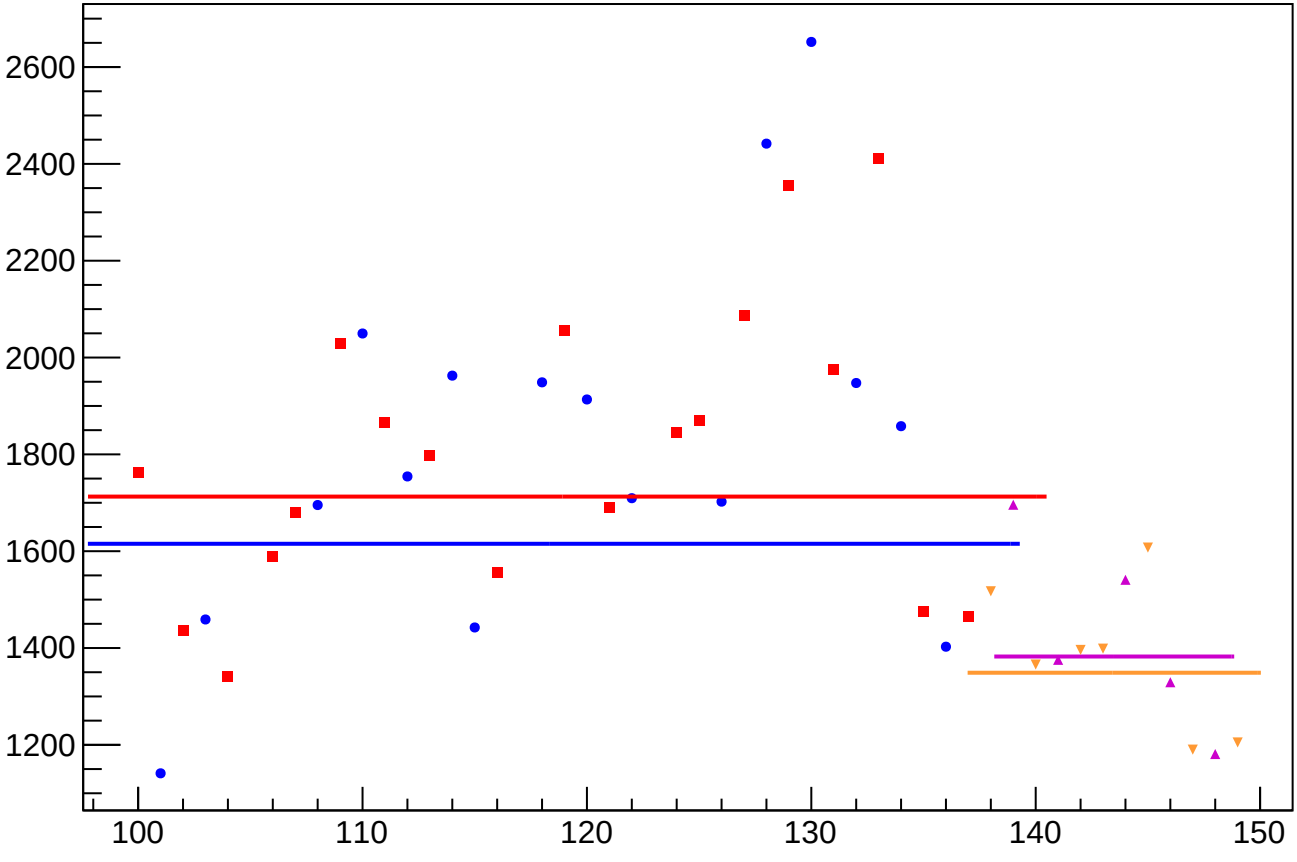
Left In: -258.003+/-668.430 χ^2/NDF:1.8/4

+ sign 864.476+/-426.216 χ^2/NDF: 22.6/22

All: 597.237+/-312.995 χ^2/NDF: 41.5/46

- 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: 1348.970+/-0.416 χ^2/NDF:117038.4/6

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

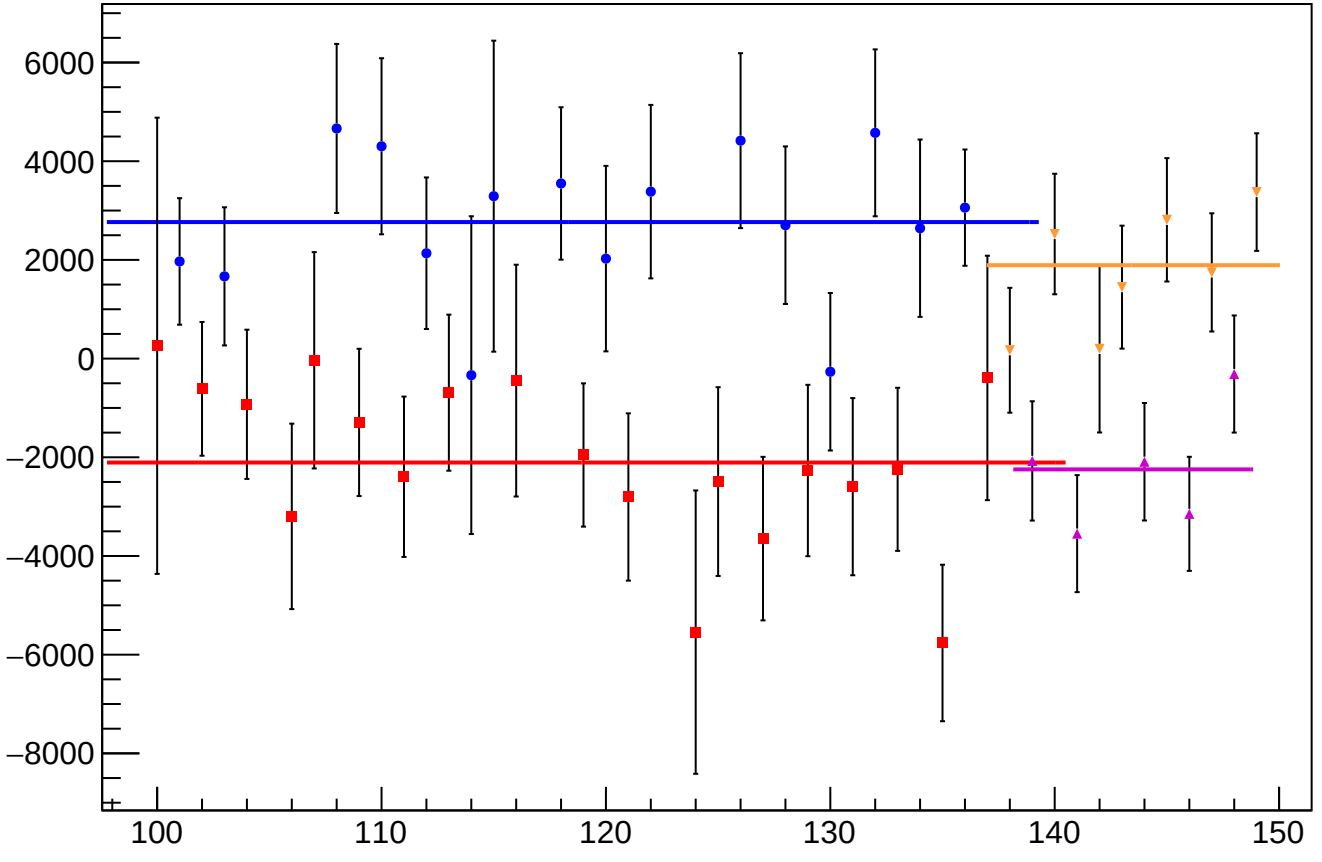
Left In: 1382.467+/-0.473 χ^2/NDF:128143.2/4

+ sign 1475.617+/-0.301 χ^2/NDF: 1005454.1/22

All: 1512.462+/-0.221 χ^2/NDF: 1850092.1/46

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

dit_asym_usr_mean vs Slug



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

Left Out: 1892.496+/-480.610 χ^2/NDF:5.4/6

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

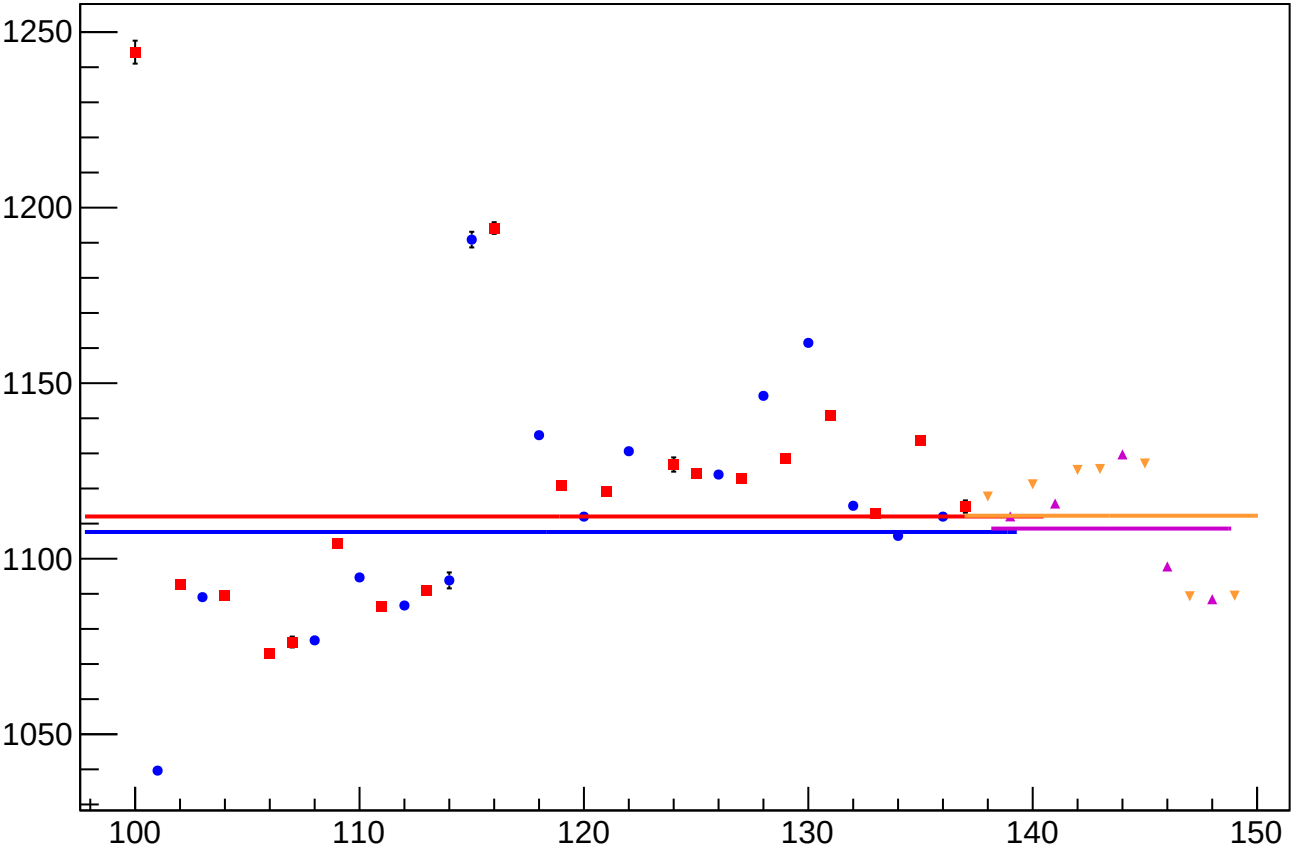
Left In: -2245.465+/-530.043 χ^2/NDF:4.5/4

+ sign 2396.826+/-312.607 χ^2/NDF: 17.6/22

All: 187.688+/-224.329 χ^2/NDF: 138.4/46

- 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: 1112.242+/-0.340 χ^2/NDF:2239.4/6

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

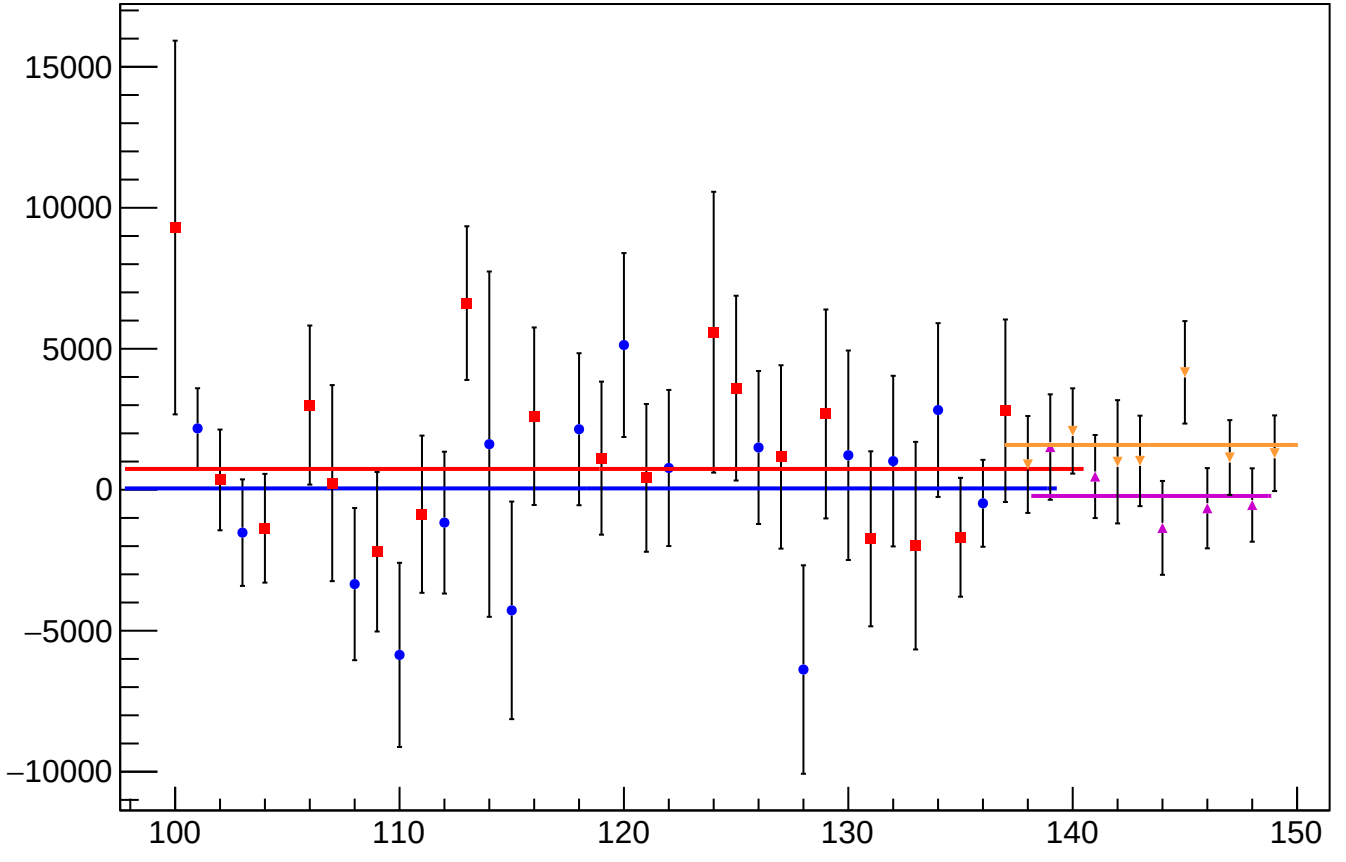
Left In: 1108.586+/-0.375 χ^2/NDF:1468.3/4

+ sign 1109.572+/-0.221 χ^2/NDF: 15567.3/22

All: 1110.147+/-0.159 χ^2/NDF: 25756.3/46

- 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: 1588.950+/-597.597 χ^2/NDF:2.6/6

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

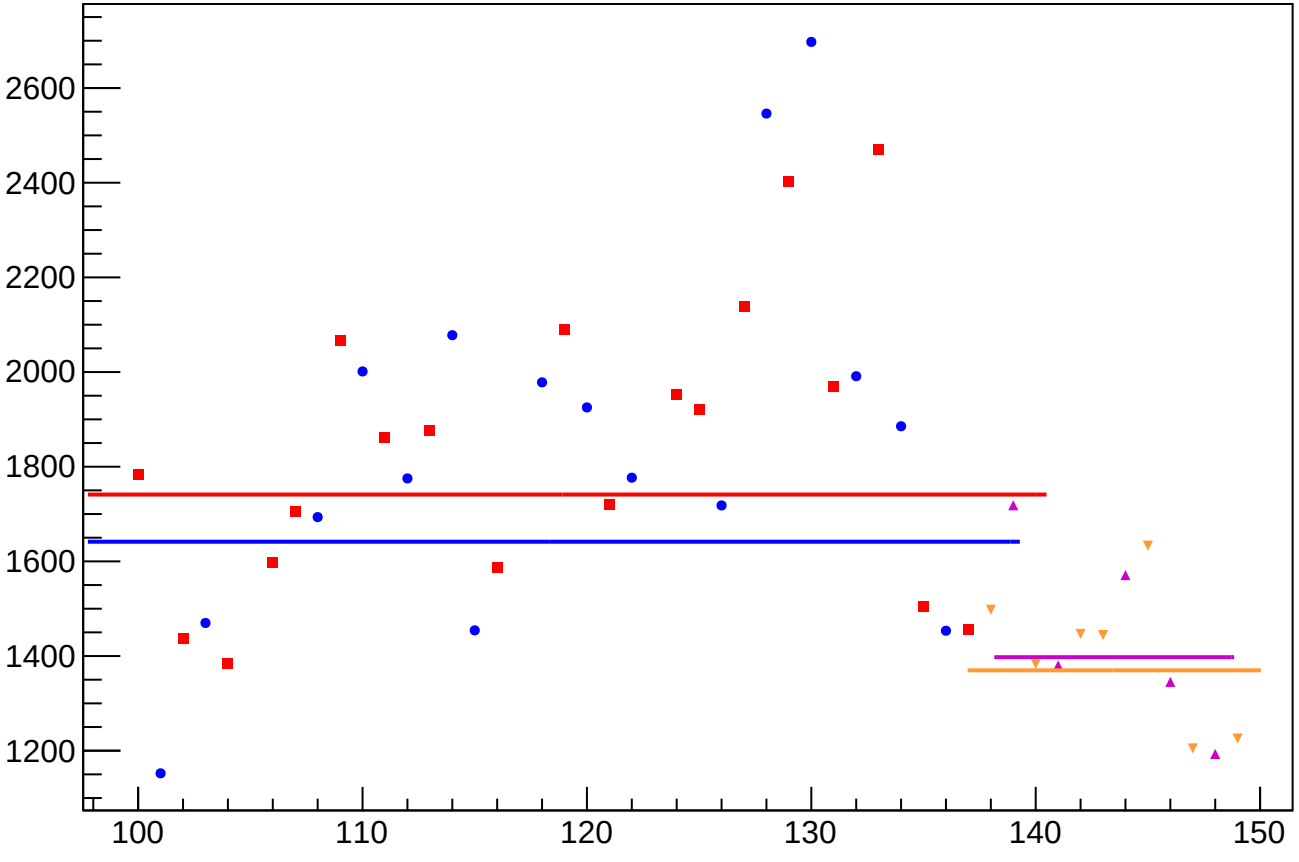
Left In: -219.815+/-675.565 χ^2/NDF:1.7/4

\+ sign 856.665+/-432.934 χ^2/NDF: 22.7/22

All: 590.147+/-317.670 χ^2/NDF: 41.2/46

\- 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: 1369.837+/-0.423 χ^2/NDF:114029.3/6

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

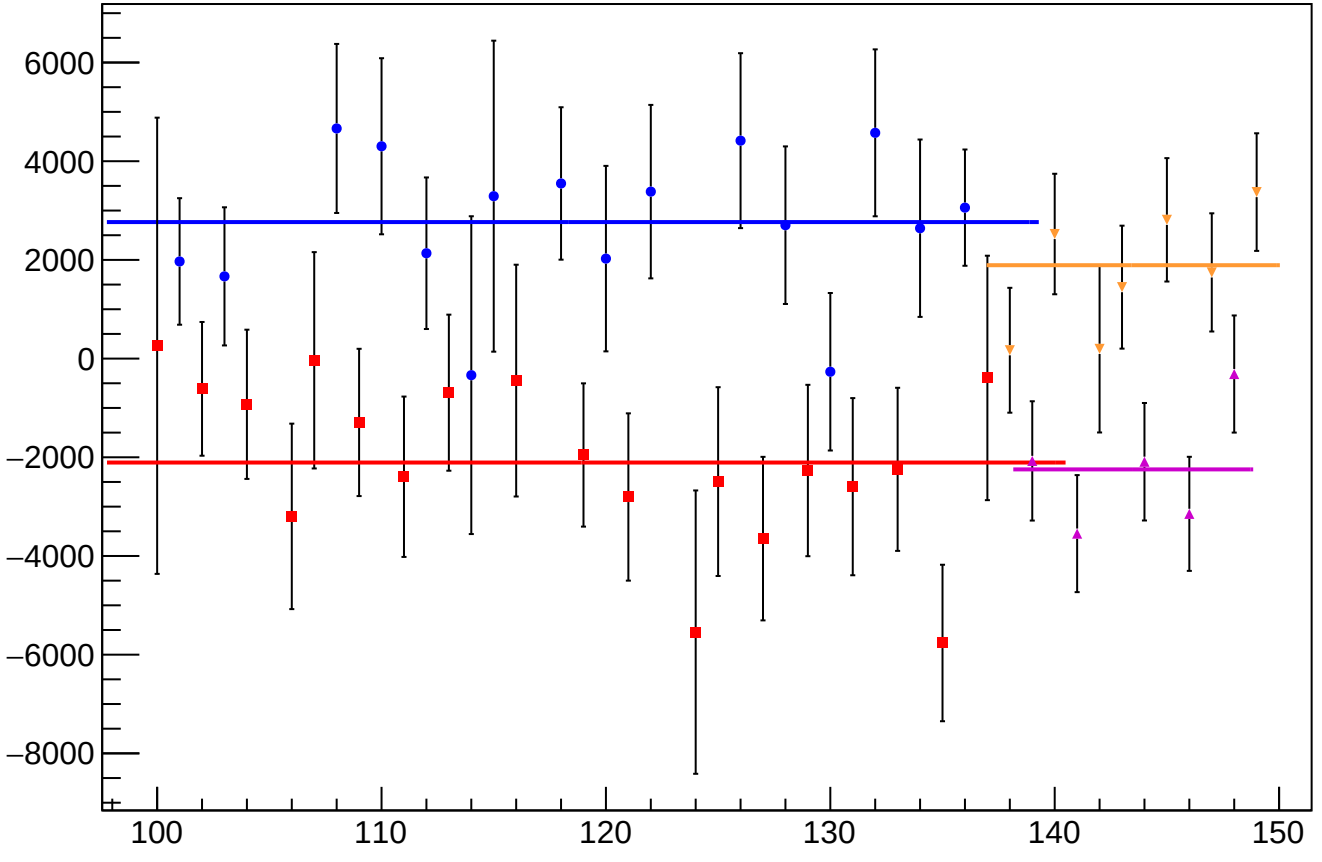
Left In: 1397.603+/-0.478 χ^2/NDF:132904.0/4

+ sign 1498.939+/-0.306 χ^2/NDF: 1011782.6/22

All: 1534.791+/-0.225 χ^2/NDF: 1882269.2/46

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

eigen_dit_asym_usr_mean vs Slug



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1892.498+/-480.610 χ^2/NDF:5.4/6

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

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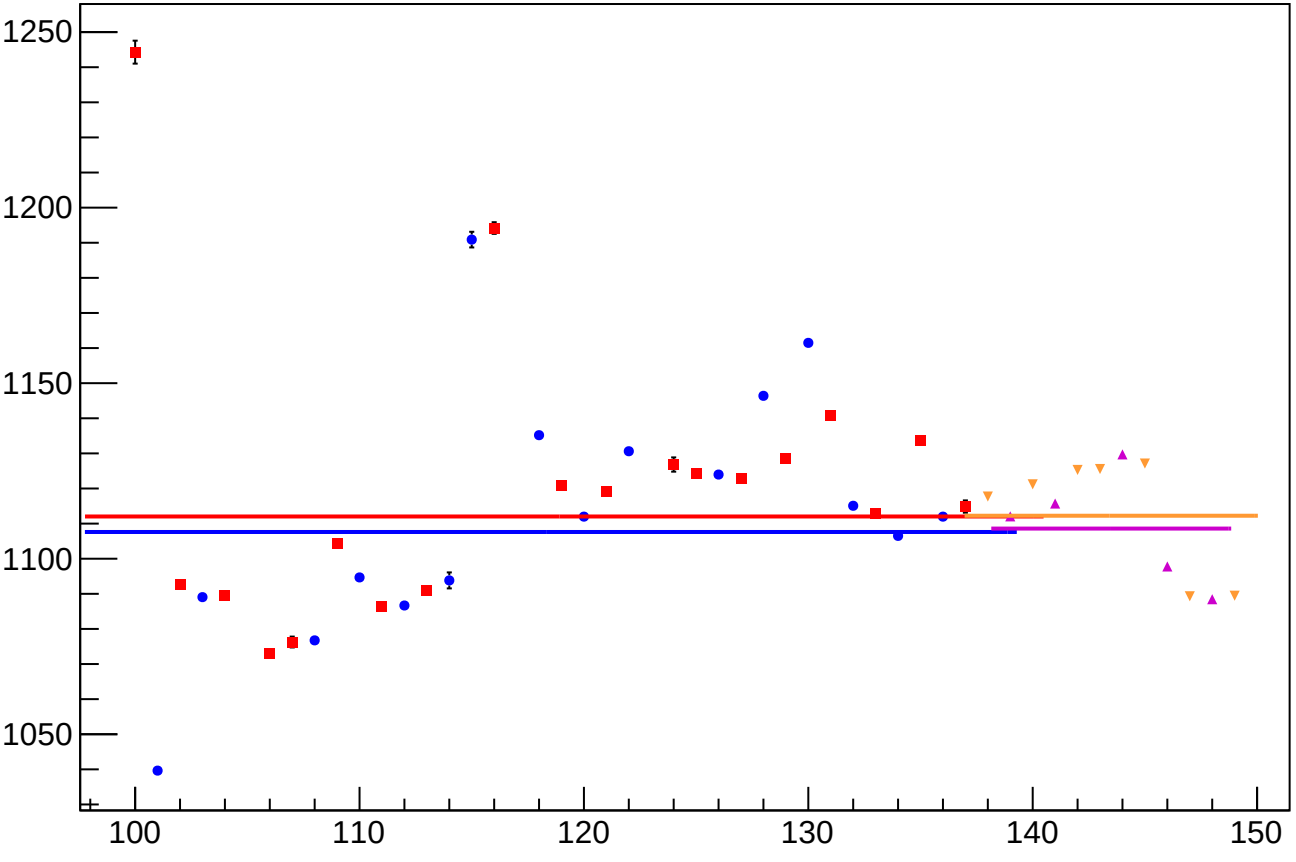
+ sign 2396.827+/-312.607 χ^2/NDF: 17.6/22

All: 187.688+/-224.329 χ^2/NDF: 138.4/46

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

eigen_dit_asym_usr_rms vs Slug



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Left Out: 1112.242+/-0.340 χ^2/NDF:2239.4/6

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

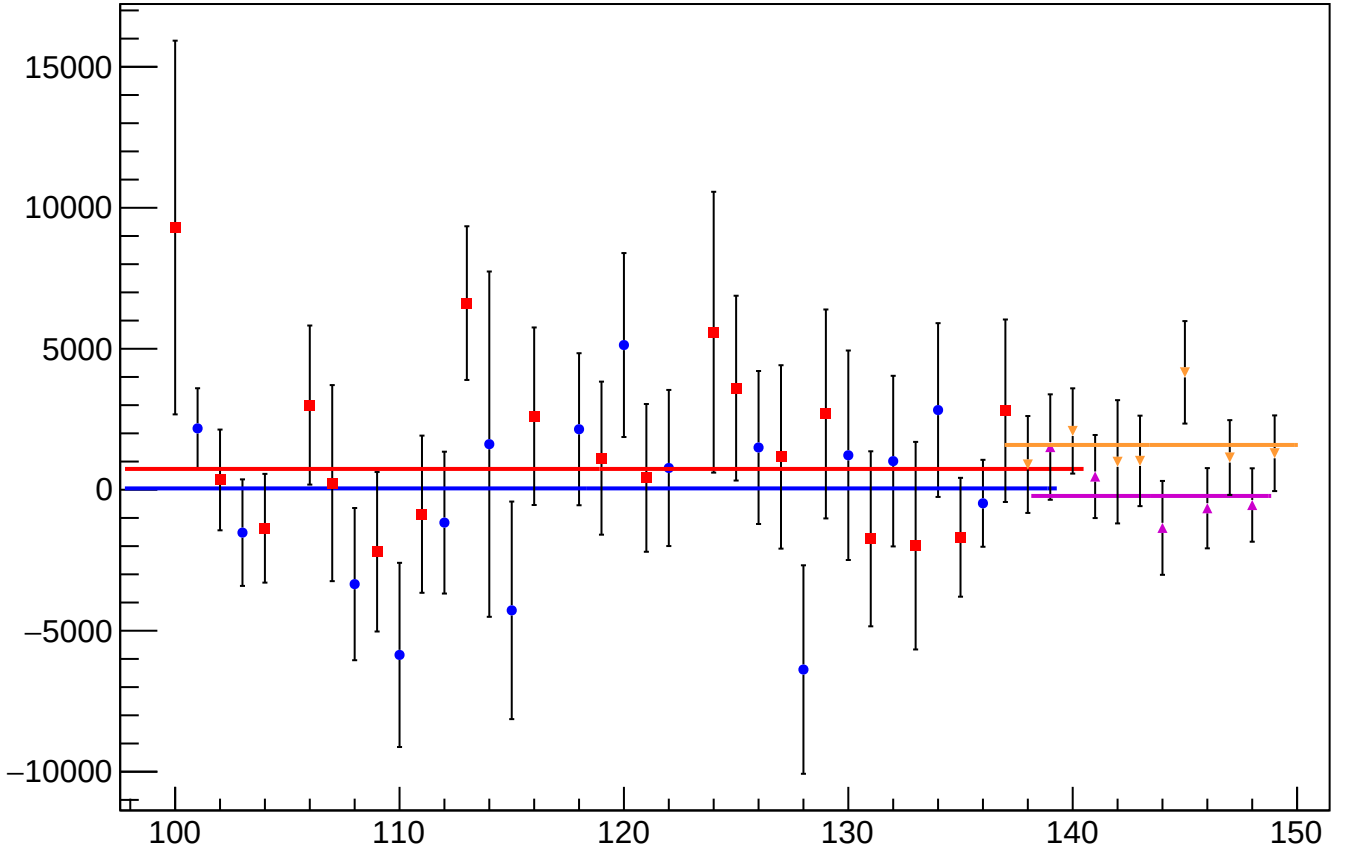
Left In: 1108.586+/-0.375 χ^2/NDF:1468.3/4

+ sign 1109.572+/-0.221 χ^2/NDF: 15567.2/22

All: 1110.147+/-0.159 χ^2/NDF: 25756.2/46

- 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: 1588.951+/-597.598 χ^2/NDF:2.6/6

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

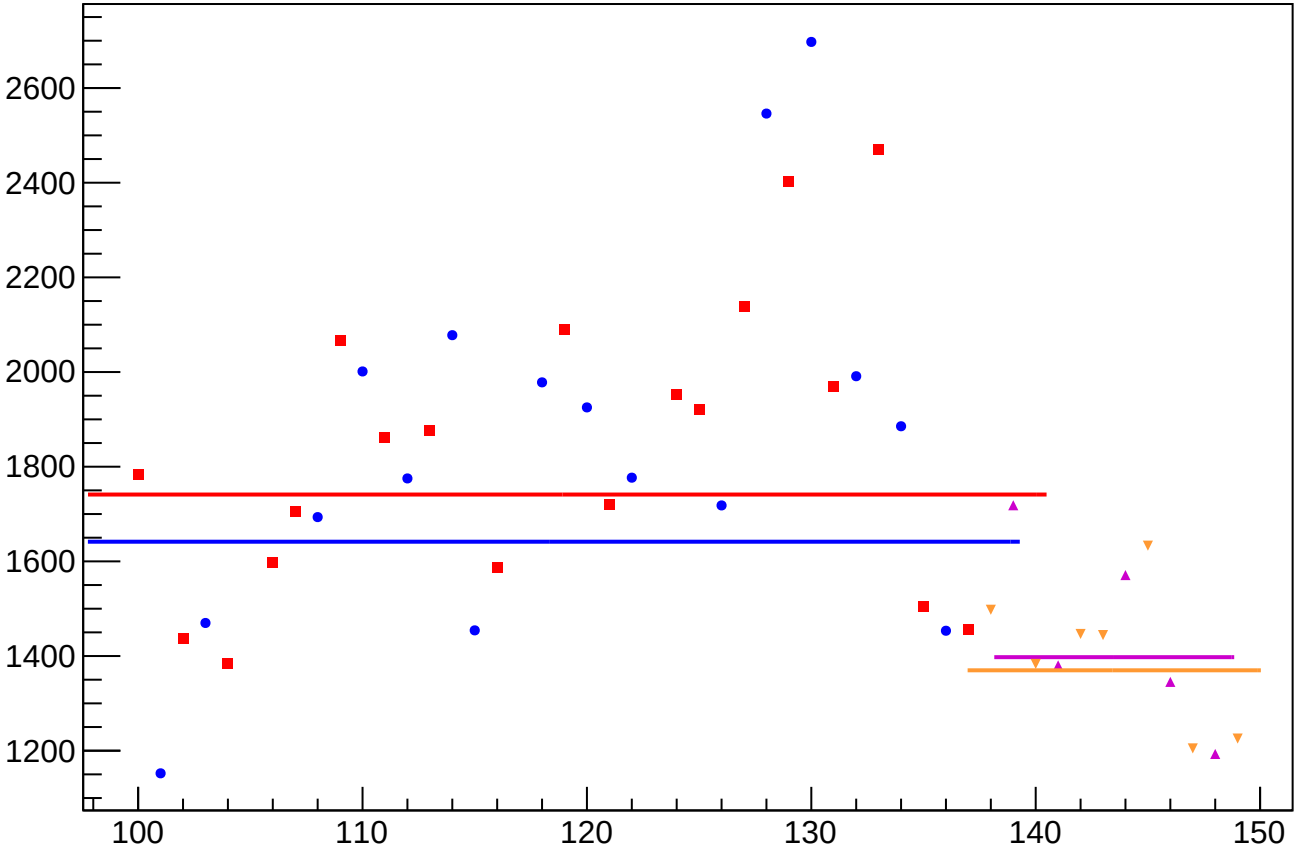
Left In: -219.815+/-675.567 χ^2/NDF:1.7/4

\+ sign 856.661+/-432.934 χ^2/NDF: 22.7/22

All: 590.146+/-317.670 χ^2/NDF: 41.2/46

\- 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: 1369.840+/-0.423 χ^2/NDF:114031.2/6

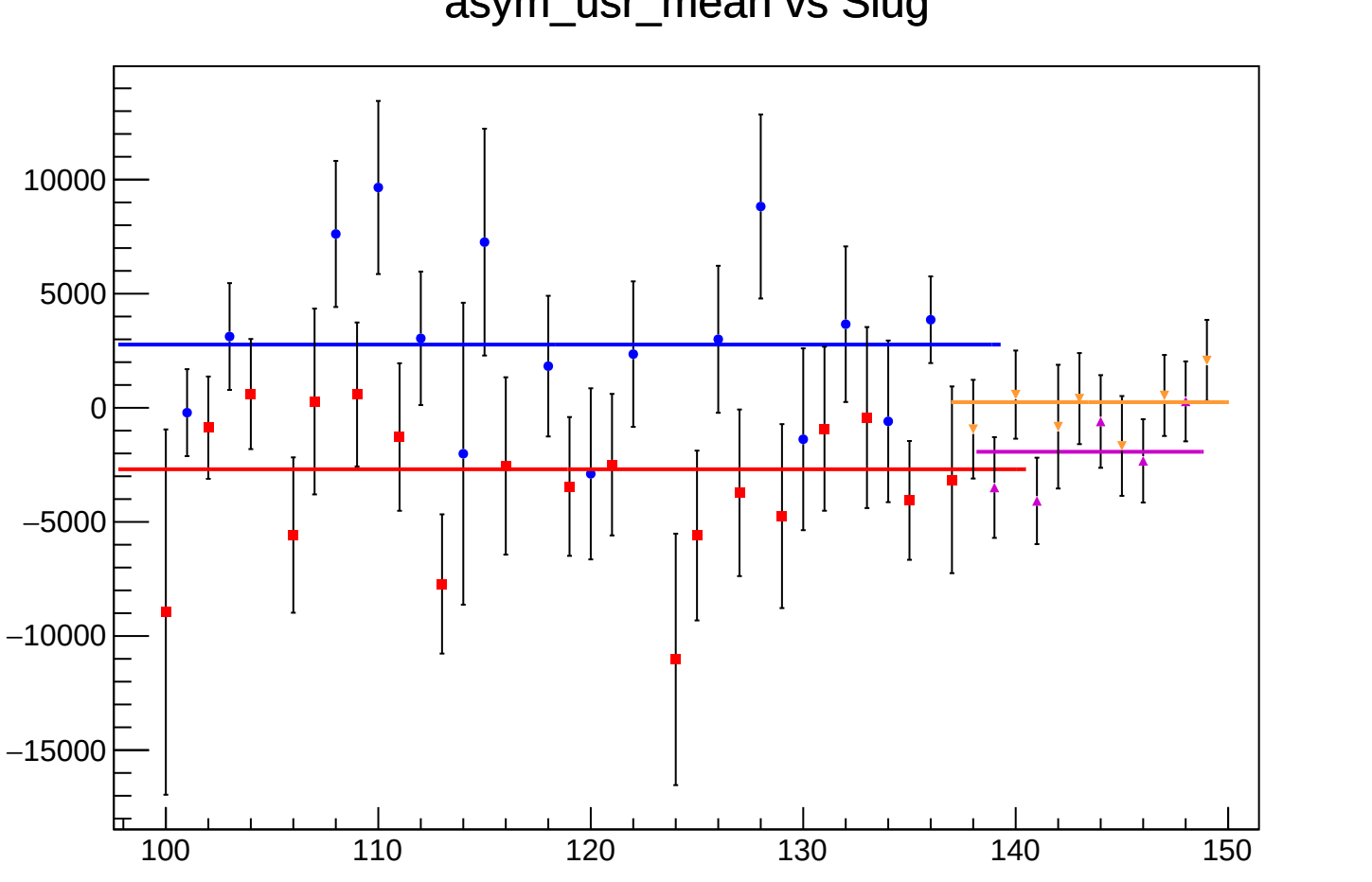
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

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

+ sign 1498.940+/-0.306 χ^2/NDF: 1011765.4/22

All: 1534.792+/-0.225 χ^2/NDF: 1882235.8/46

- 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: 246.198+/-764.262 χ^2/NDF:2.3/6

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

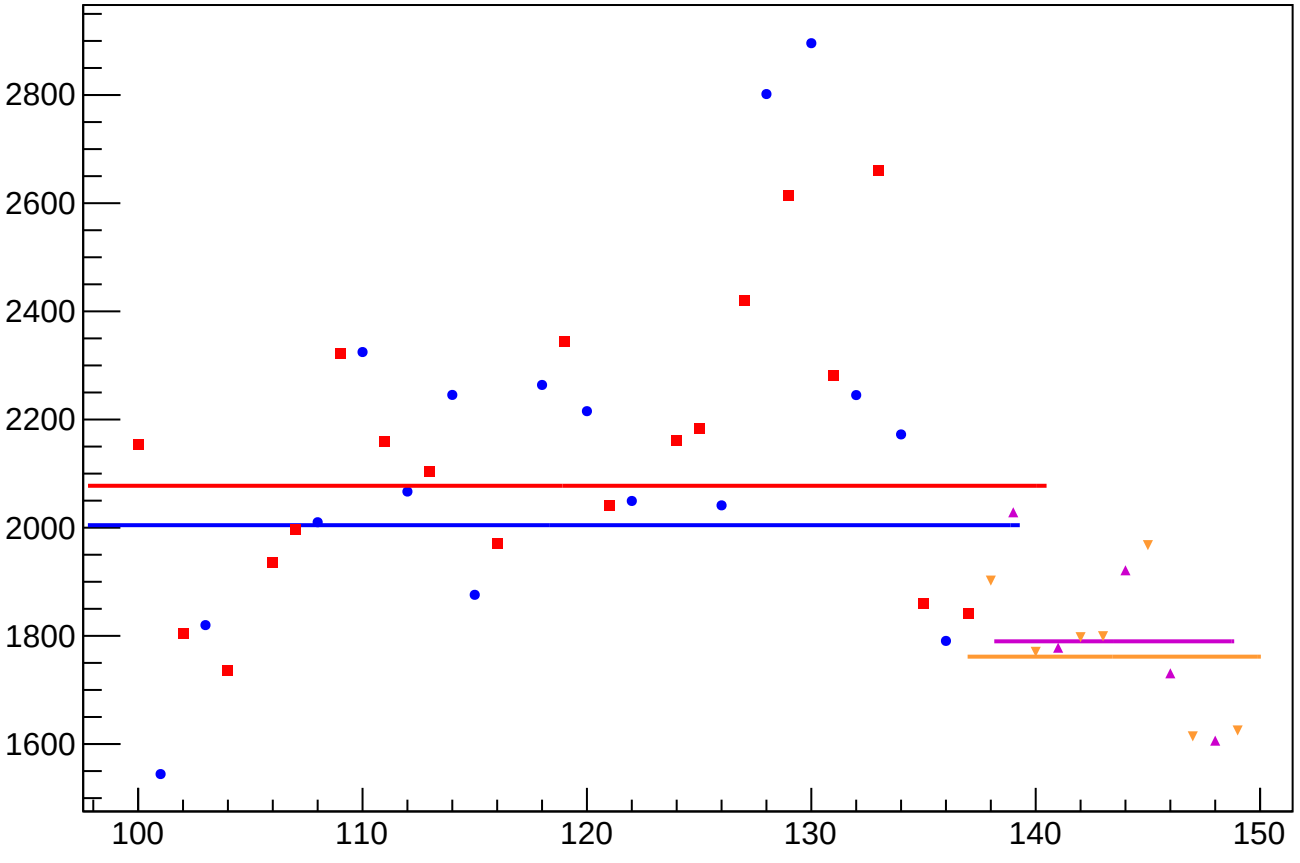
Left In: -1926.366+/-859.775 χ^2/NDF:3.9/4

+ sign 1519.940+/-537.868 χ^2/NDF: 24.3/22

All: -298.415+/-391.787 χ^2/NDF: 65.5/46

- 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: 1761.553+/-0.540 χ^2/NDF:52913.3/6

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

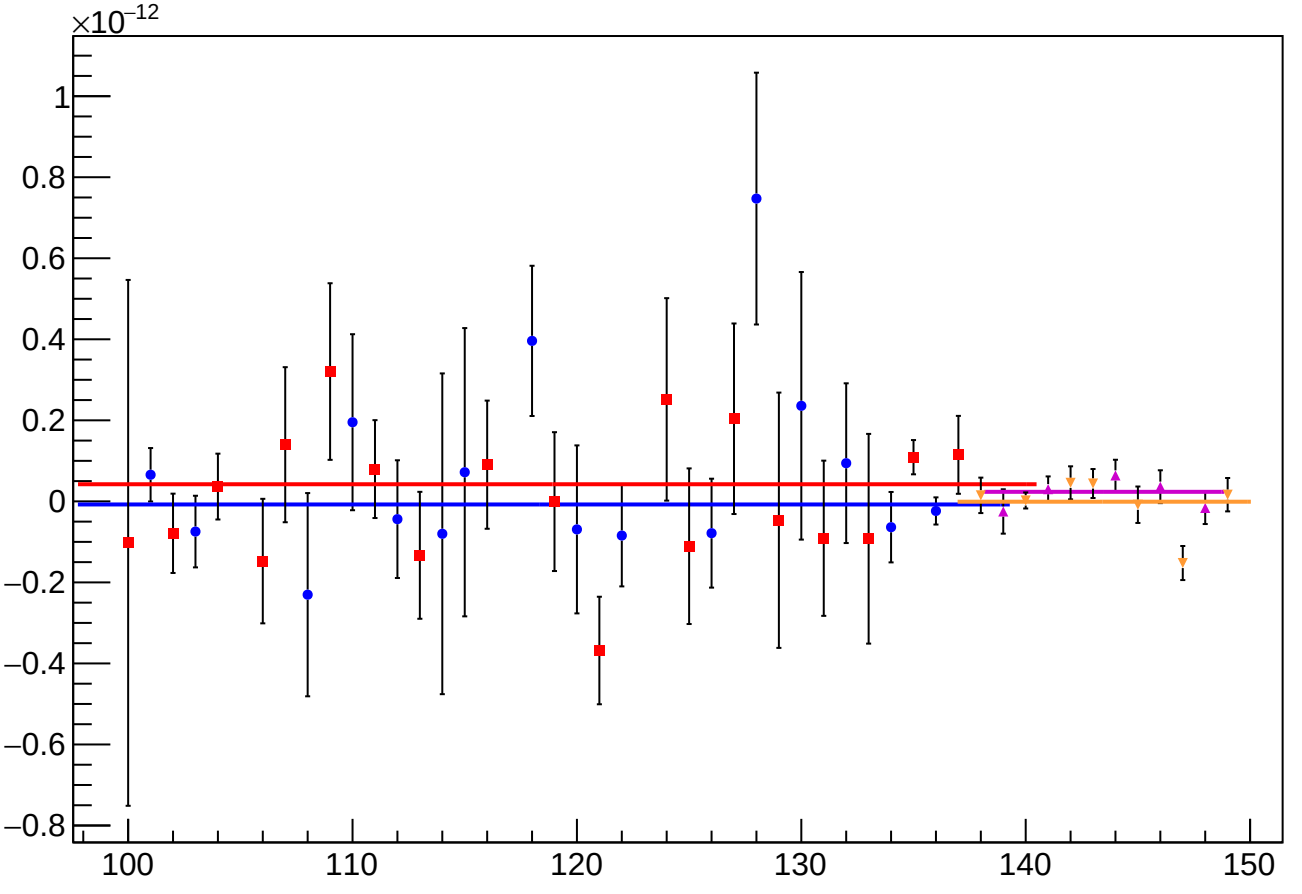
Left In: 1789.890+/-0.608 χ^2/NDF:55891.1/4

+ sign 1884.237+/-0.380 χ^2/NDF: 542594.8/22

All: 1915.237+/-0.277 χ^2/NDF: 967924.3/46

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

asym_usr_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/6

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

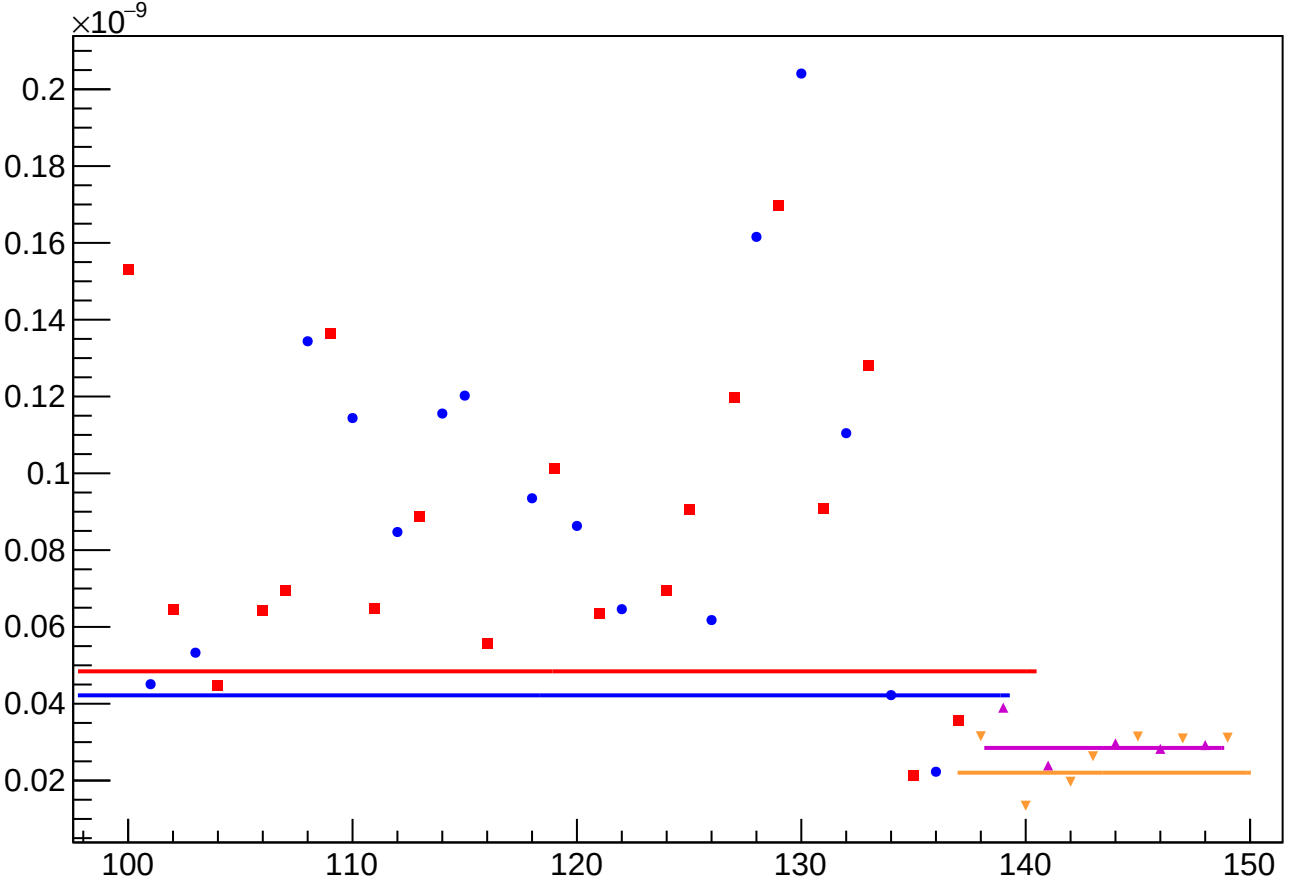
Left In: 0.000+/-0.000 χ^2/NDF:3.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/22

All: 0.000+/-0.000 χ^2/NDF: 60.7/46

- sign 0.000+/-0.000 χ^2/NDF: 25.1/23

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:782215.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

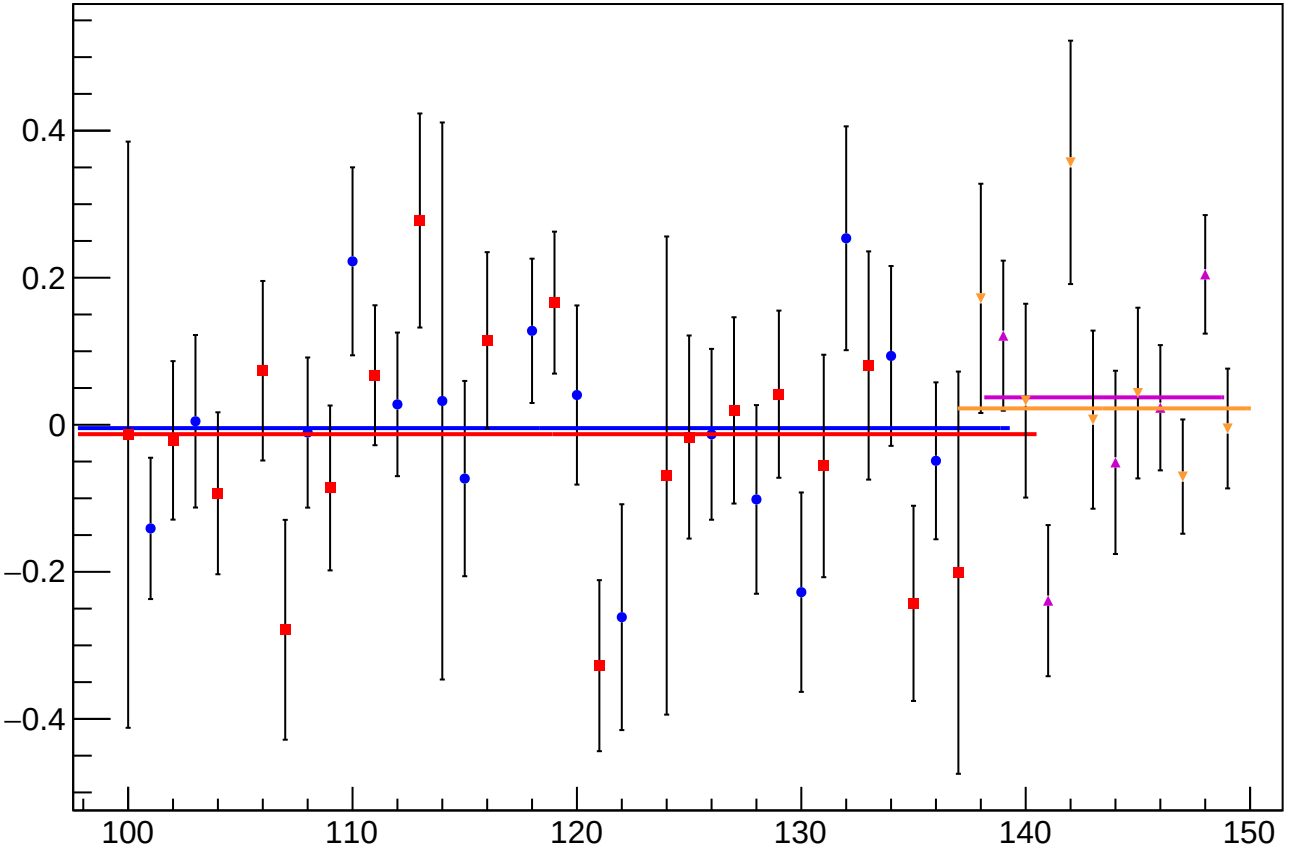
Left In: 0.000+/-0.000 χ^2/NDF:118390.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 4792254.7/22

All: 0.000+/-0.000 χ^2/NDF: 8652164.0/46

- sign 0.000+/-0.000 χ^2/NDF: 3489845.8/23

asym_usr_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.022+/-0.041 χ^2/NDF:6.6/6

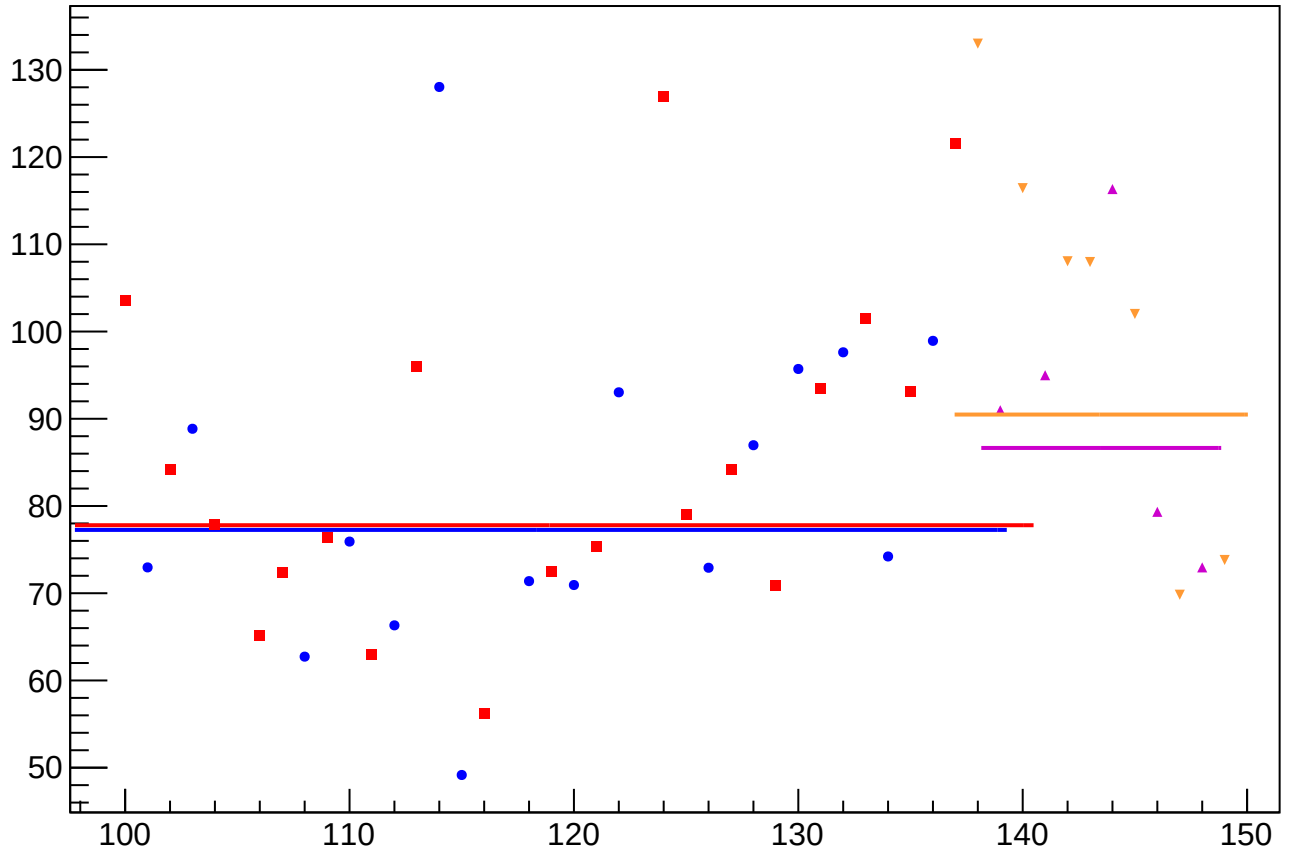
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.037+/-0.043 χ^2/NDF:12.7/4

+ sign 0.005+/-0.024 χ^2/NDF: 24.2/22

All: 0.004+/-0.017 χ^2/NDF: 63.3/46

- sign 0.004+/-0.024 χ^2/NDF: 39.1/23



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 90.484+/-0.029 χ^2/NDF:535327.4/6

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

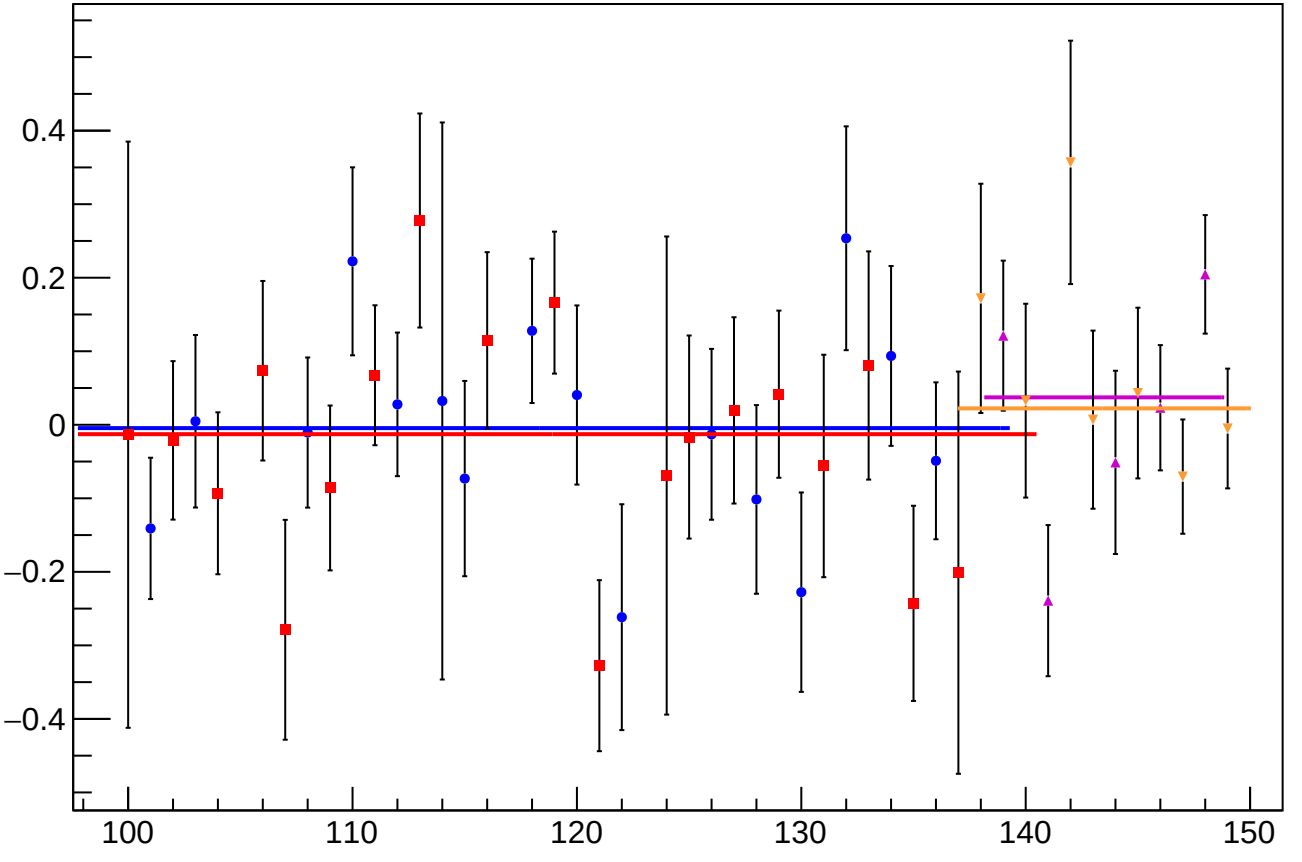
Left In: 86.655+/-0.030 χ^2/NDF:202664.8/4

+ sign 81.875+/-0.017 χ^2/NDF: 1089836.5/22

All: 81.283+/-0.012 χ^2/NDF: 1749252.2/46

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

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.022+/-0.041 χ^2/NDF:6.6/6

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

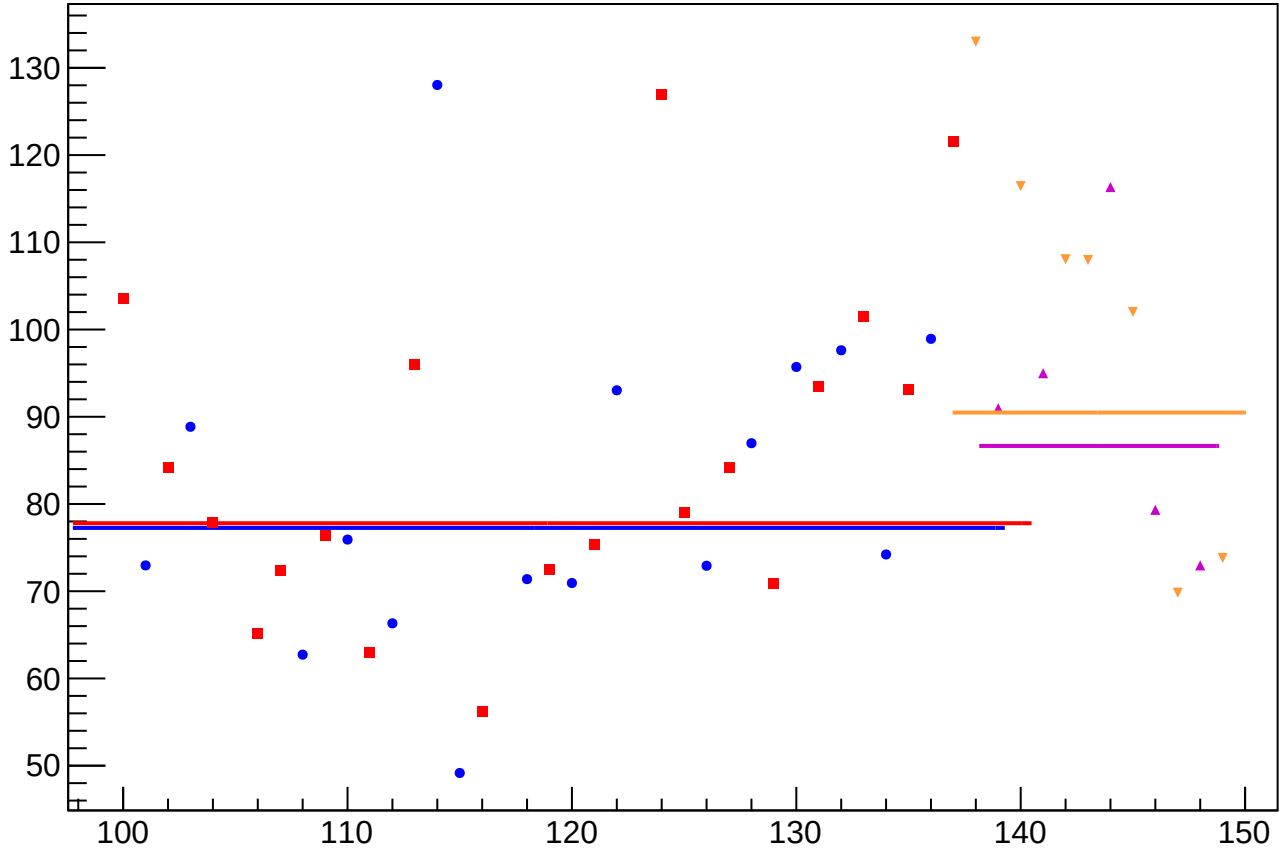
Left In: 0.037+/-0.043 χ^2/NDF:12.7/4

+ sign 0.005+/-0.024 χ^2/NDF: 24.2/22

All: 0.004+/-0.017 χ^2/NDF: 63.3/46

- 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: 90.484+/-0.029 χ^2/NDF:535327.4/6

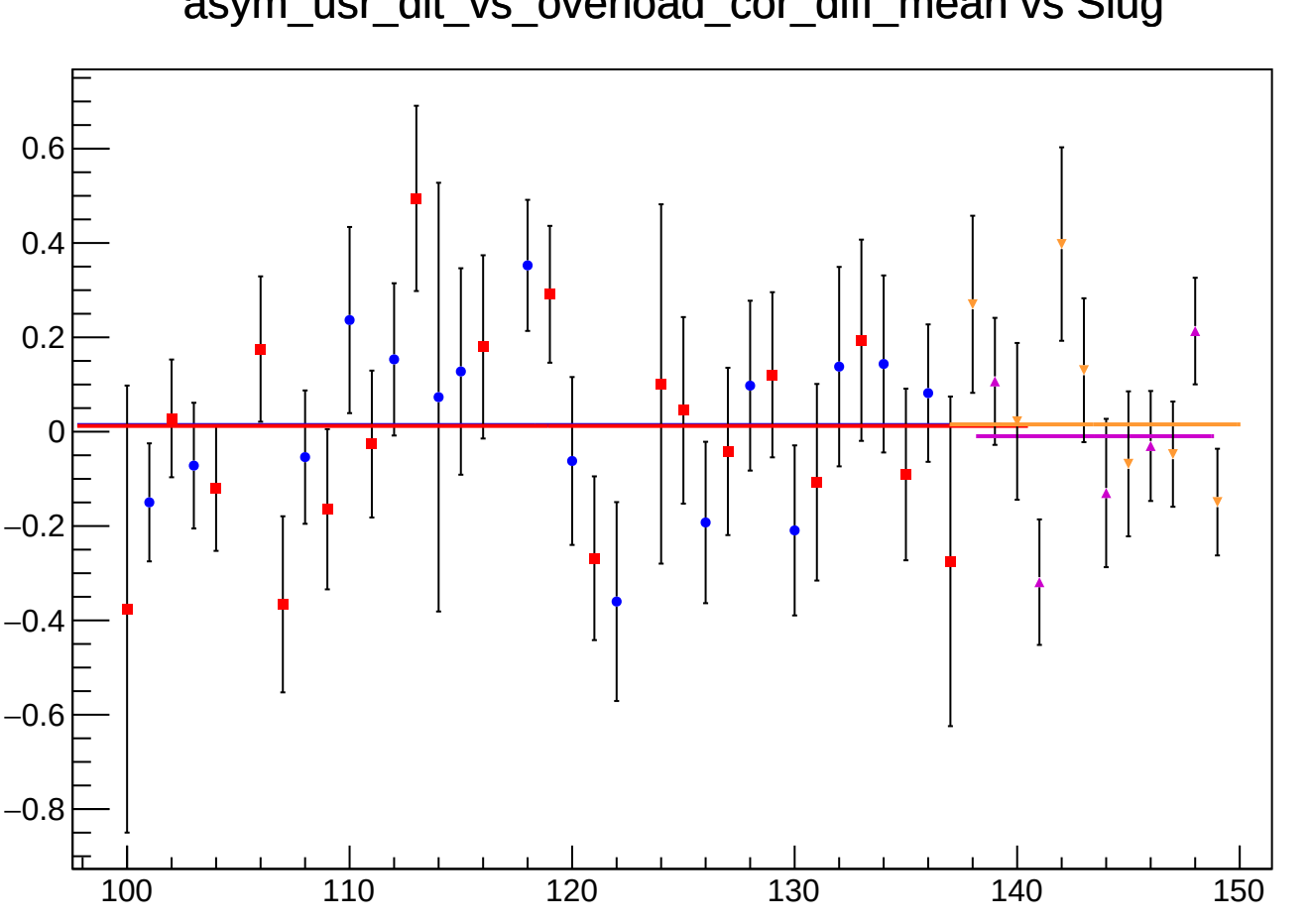
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

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

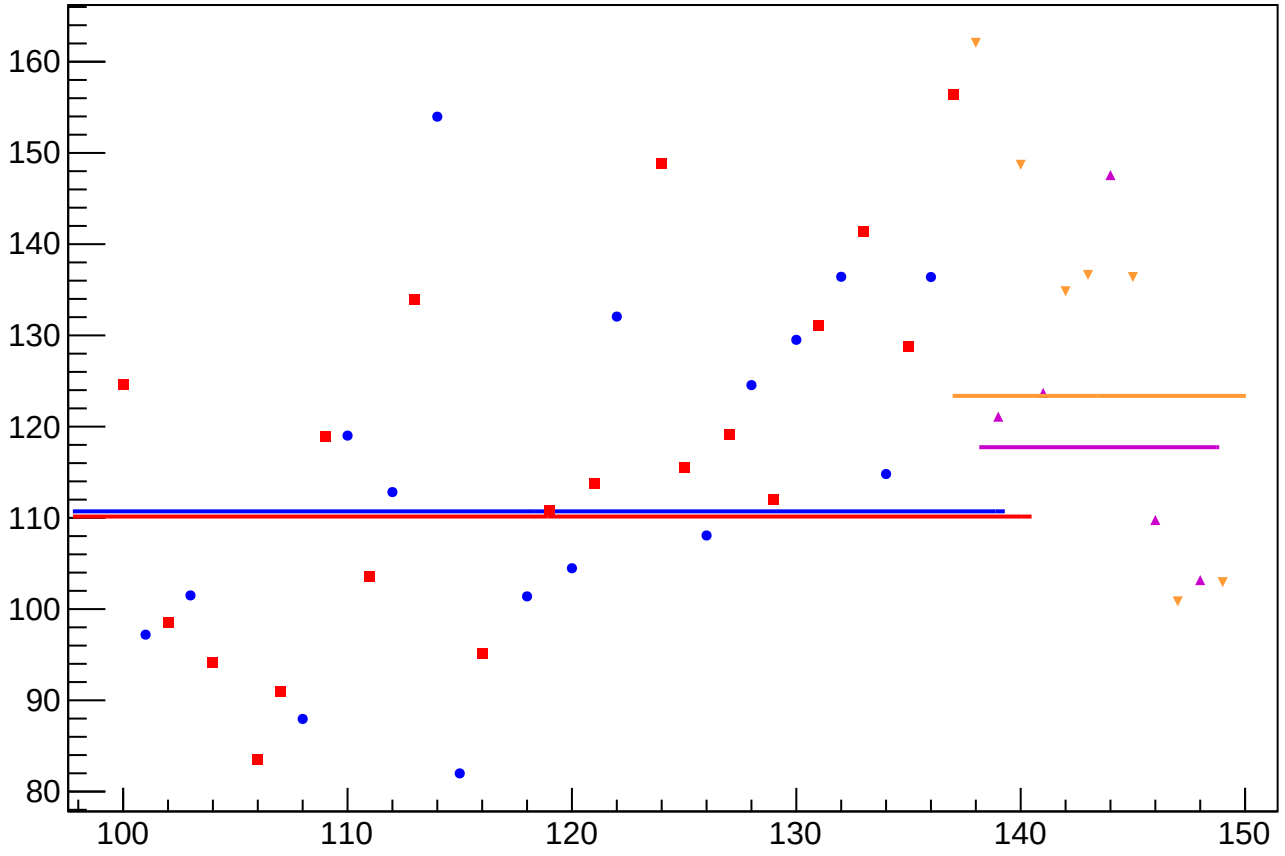
+ sign 81.875+/-0.017 χ^2/NDF: 1089836.5/22

All: 81.283+/-0.012 χ^2/NDF: 1749252.2/46

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


asym_usr_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.015+/-0.055 χ²/NDF:8.6/6
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.010+/-0.057 χ²/NDF:10.7/4
+ sign 0.015+/-0.033 χ²/NDF: 26.8/22
All: 0.010+/-0.024 χ²/NDF: 61.4/46
- sign 0.005+/-0.034 χ²/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: 123.372+/-0.039 χ^2/NDF:314000.3/6

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

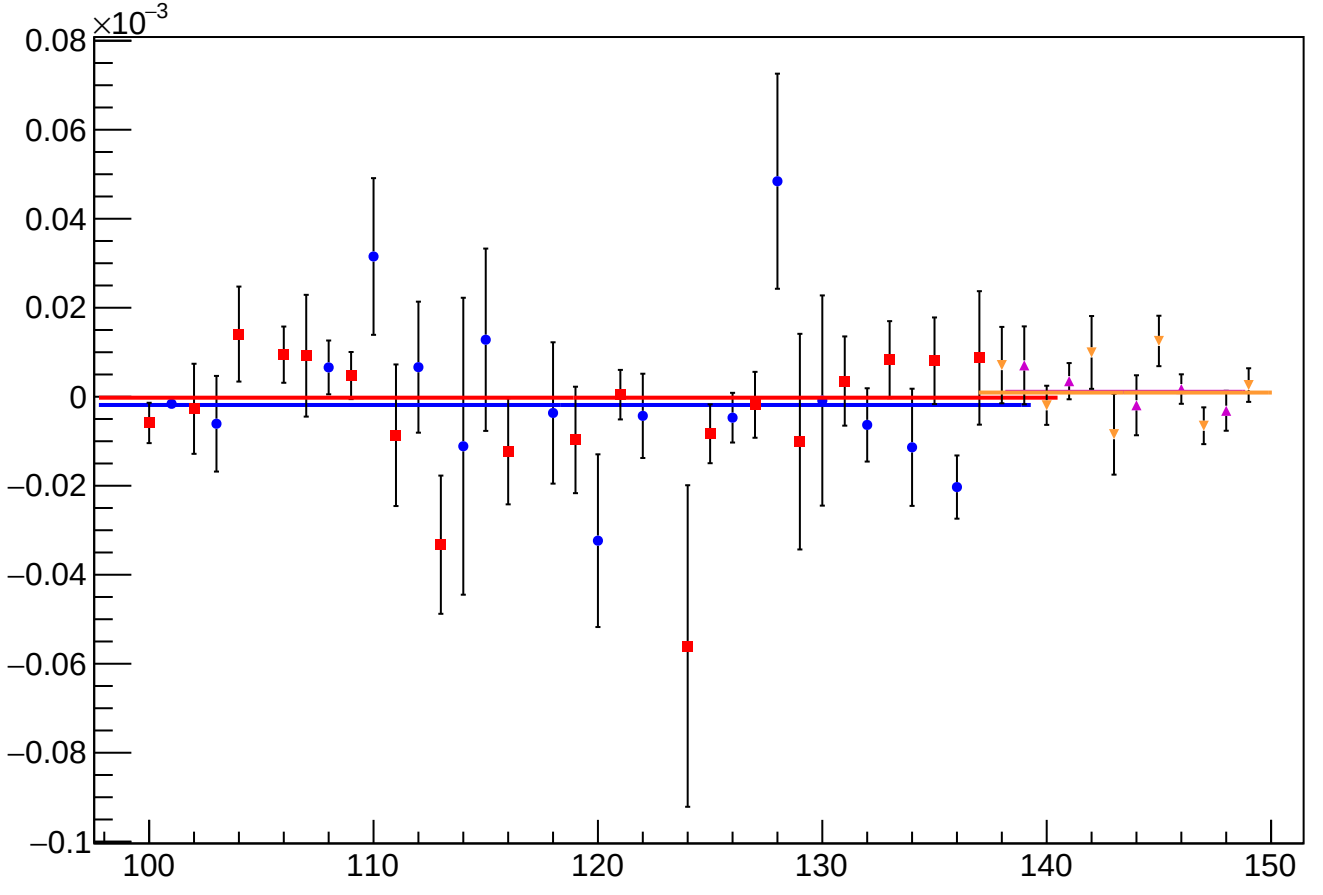
Left In: 117.746+/-0.041 χ^2/NDF:119828.2/4

+ sign 115.430+/-0.024 χ^2/NDF: 680781.1/22

All: 114.087+/-0.017 χ^2/NDF: 1156905.3/46

- 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:10.9/6

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

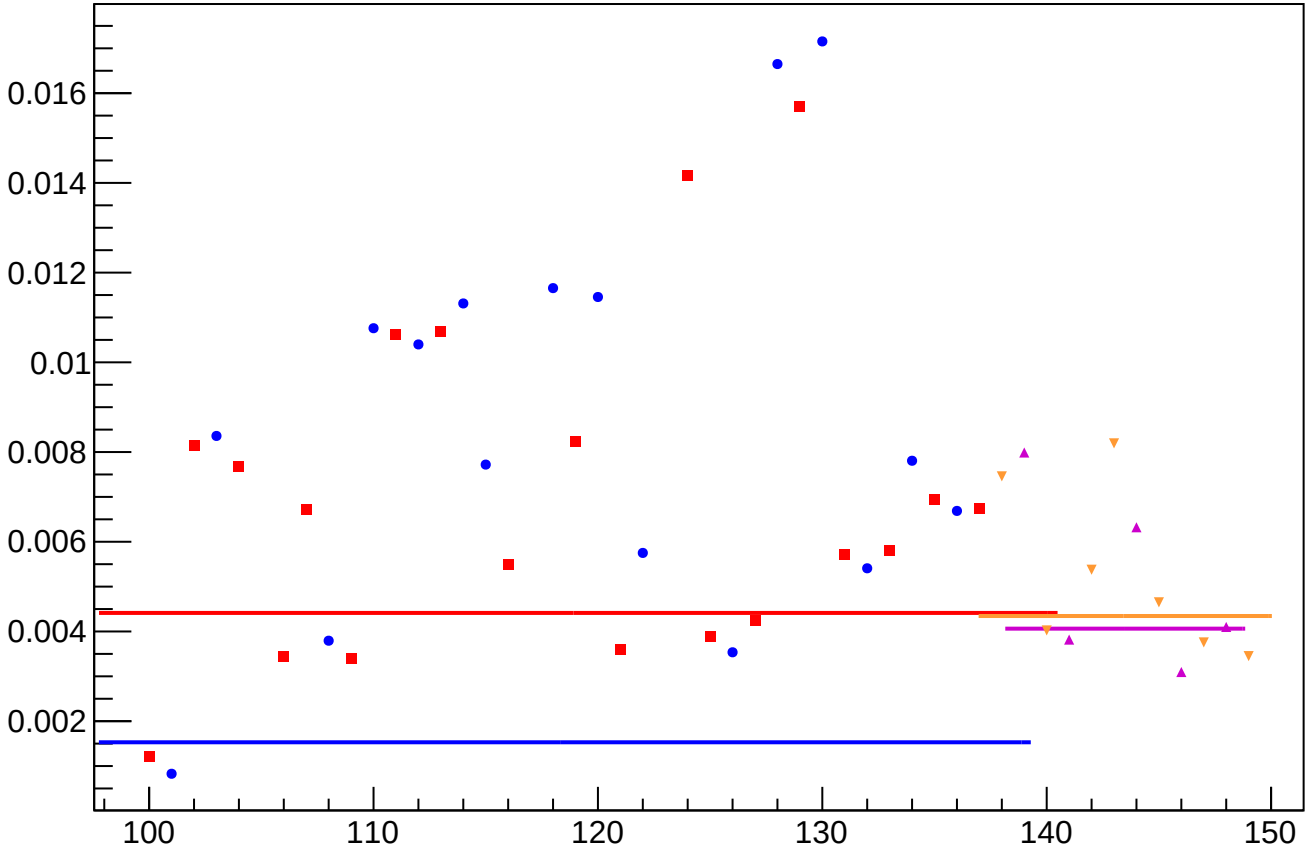
Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 33.8/22

All: -0.000+/-0.000 χ^2/NDF: 57.0/46

- 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: 0.004+/-0.000 χ^2/NDF:822663.6/6

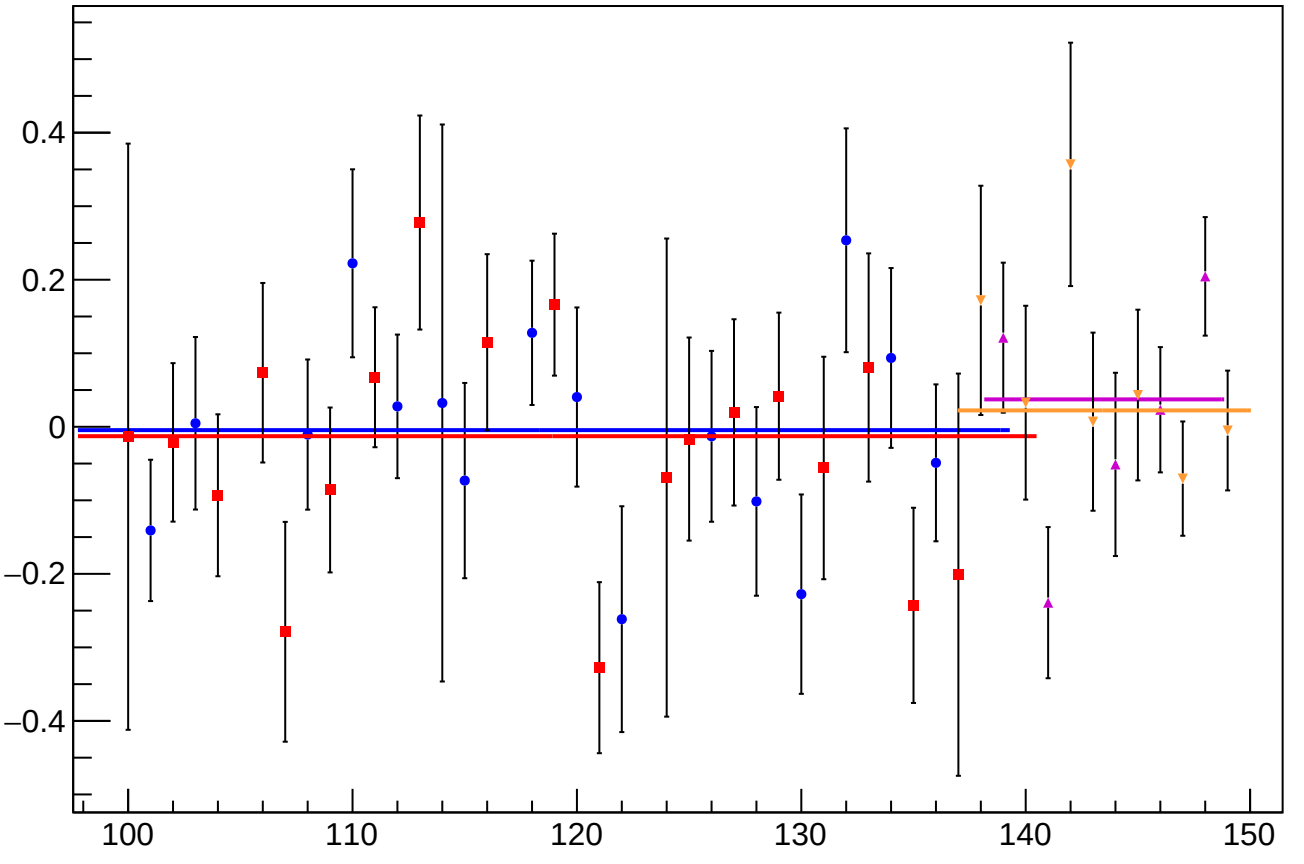
Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

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

+ sign 0.002+/-0.000 χ^2/NDF: 13272197.0/22

All: 0.003+/-0.000 χ^2/NDF: 20955718.8/46

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



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

Left Out: 0.022+/-0.041 χ^2/NDF:6.6/6

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

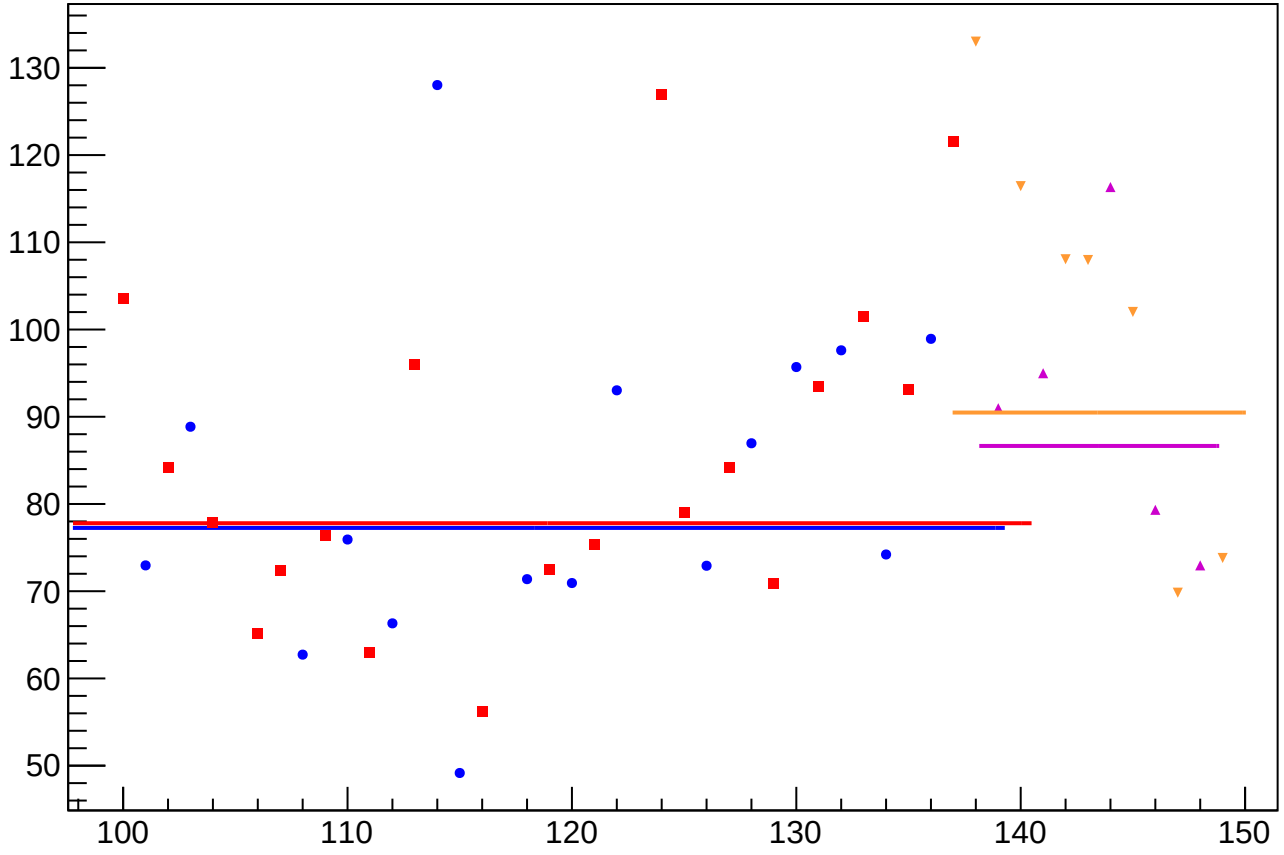
Left In: 0.037+/-0.043 χ^2/NDF:12.7/4

+ sign 0.005+/-0.024 χ^2/NDF: 24.2/22

All: 0.004+/-0.017 χ^2/NDF: 63.3/46

- 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: 90.484+/-0.029 χ^2/NDF:535341.8/6

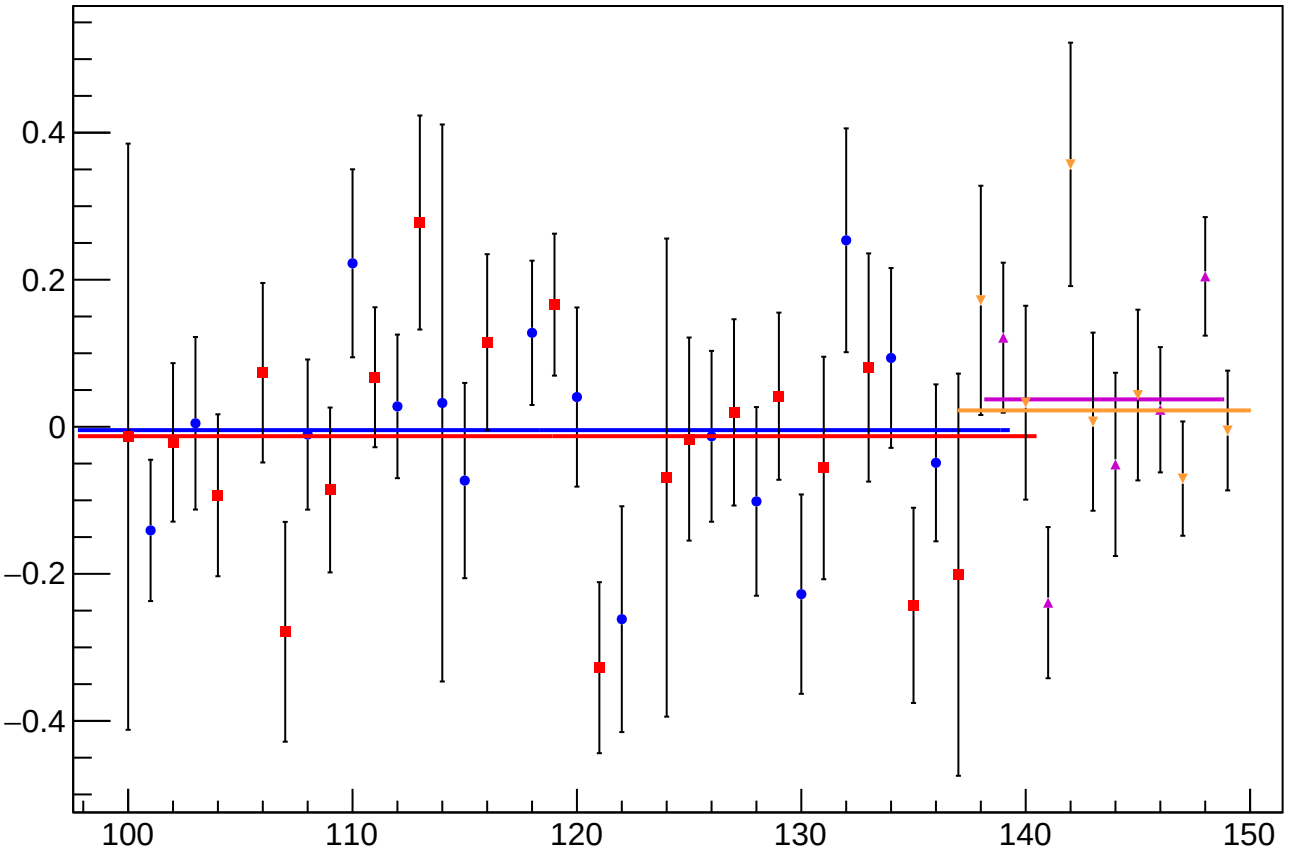
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

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

+ sign 81.874+/-0.017 χ^2/NDF: 1089870.5/22

All: 81.282+/-0.012 χ^2/NDF: 1749312.1/46

- 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: 0.022+/-0.041 χ^2/NDF:6.6/6

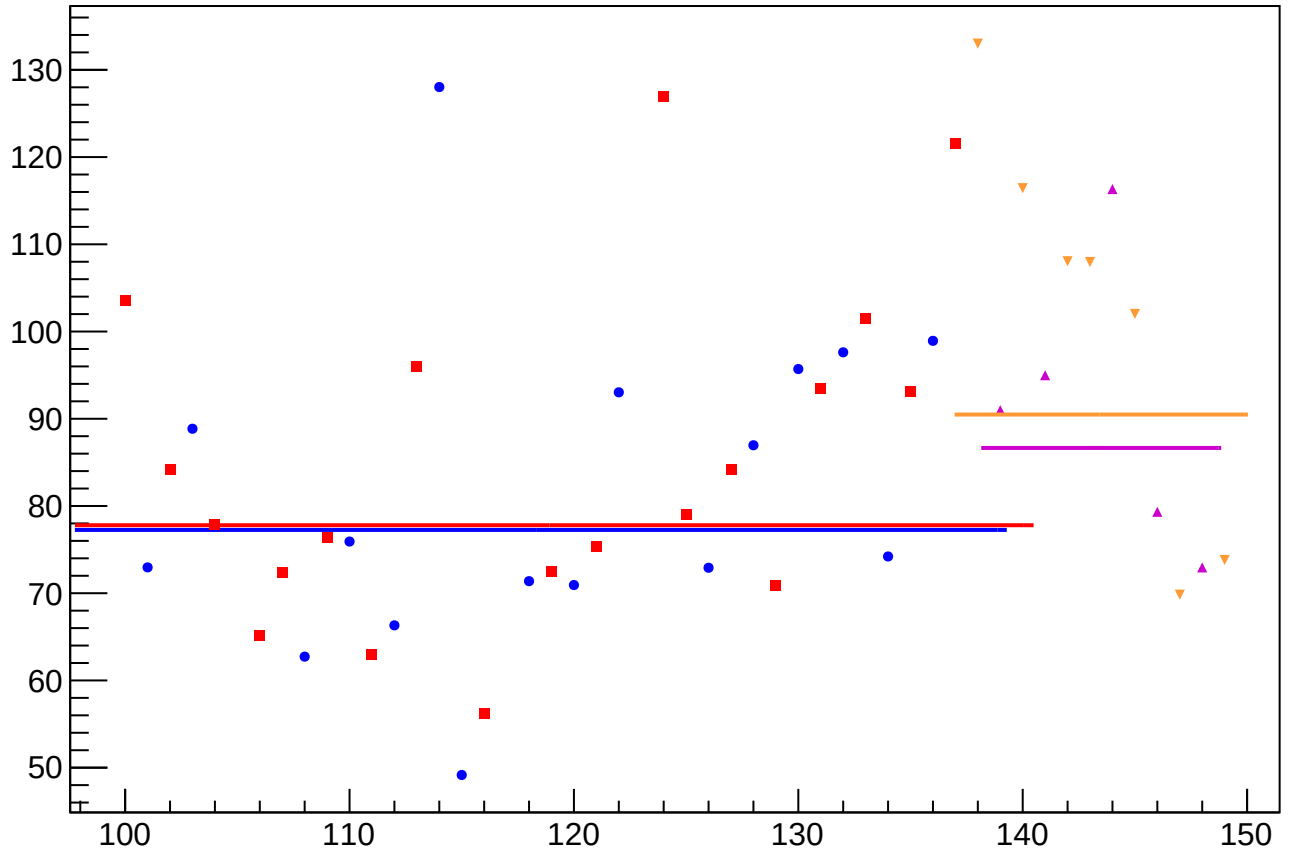
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.037+/-0.043 χ^2/NDF:12.7/4

+ sign 0.005+/-0.024 χ^2/NDF: 24.2/22

All: 0.004+/-0.017 χ^2/NDF: 63.3/46

- 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: 90.484+/-0.029 χ^2/NDF:535341.8/6

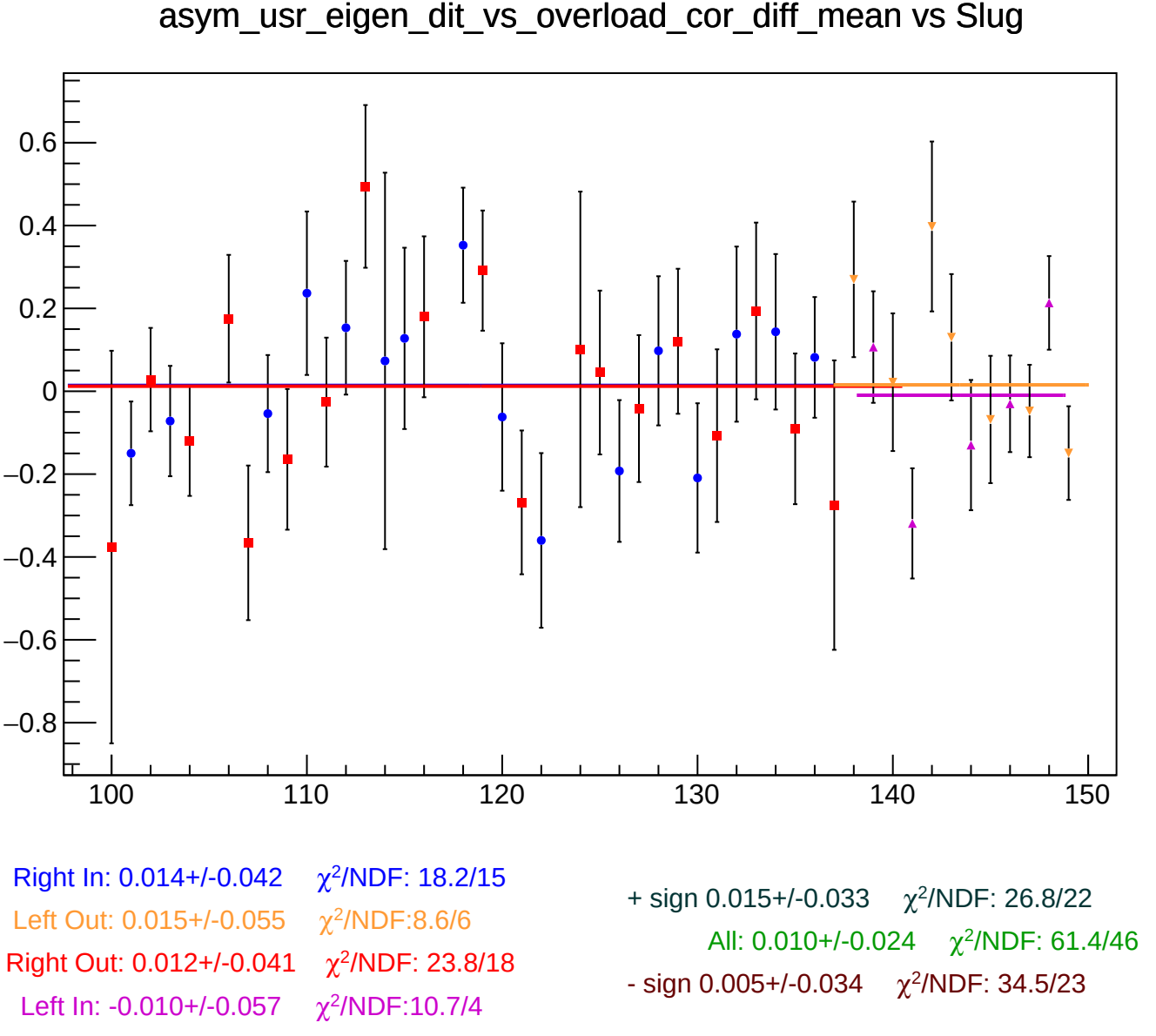
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

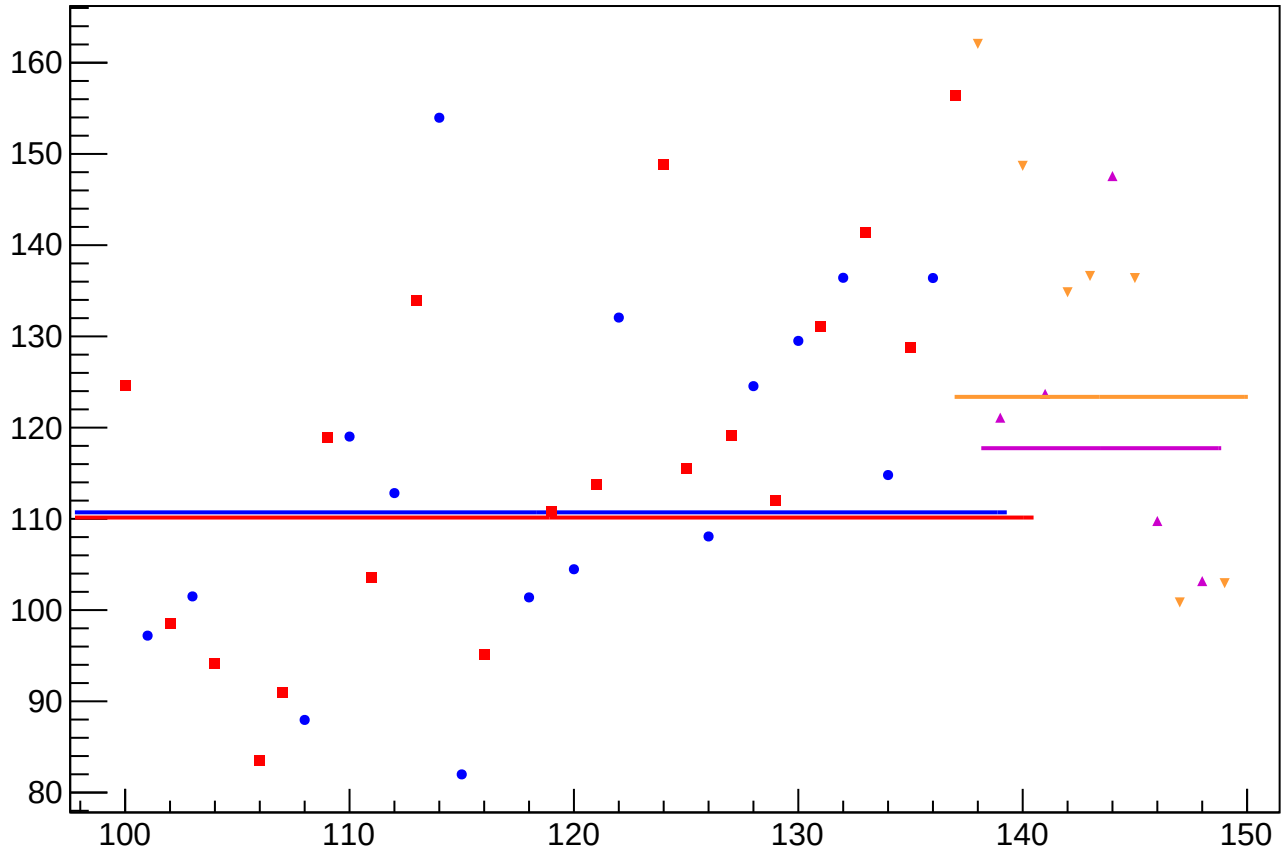
Left In: 86.655+/-0.030 χ^2/NDF:202671.4/4

+ sign 81.874+/-0.017 χ^2/NDF: 1089870.5/22

All: 81.282+/-0.012 χ^2/NDF: 1749312.1/46

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


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.015+/-0.055 χ²/NDF:8.6/6
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.010+/-0.057 χ²/NDF:10.7/4
+ sign 0.015+/-0.033 χ²/NDF: 26.8/22
All: 0.010+/-0.024 χ²/NDF: 61.4/46
- sign 0.005+/-0.034 χ²/NDF: 34.5/23



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

Left Out: 123.372+/-0.039 χ^2/NDF:314004.5/6

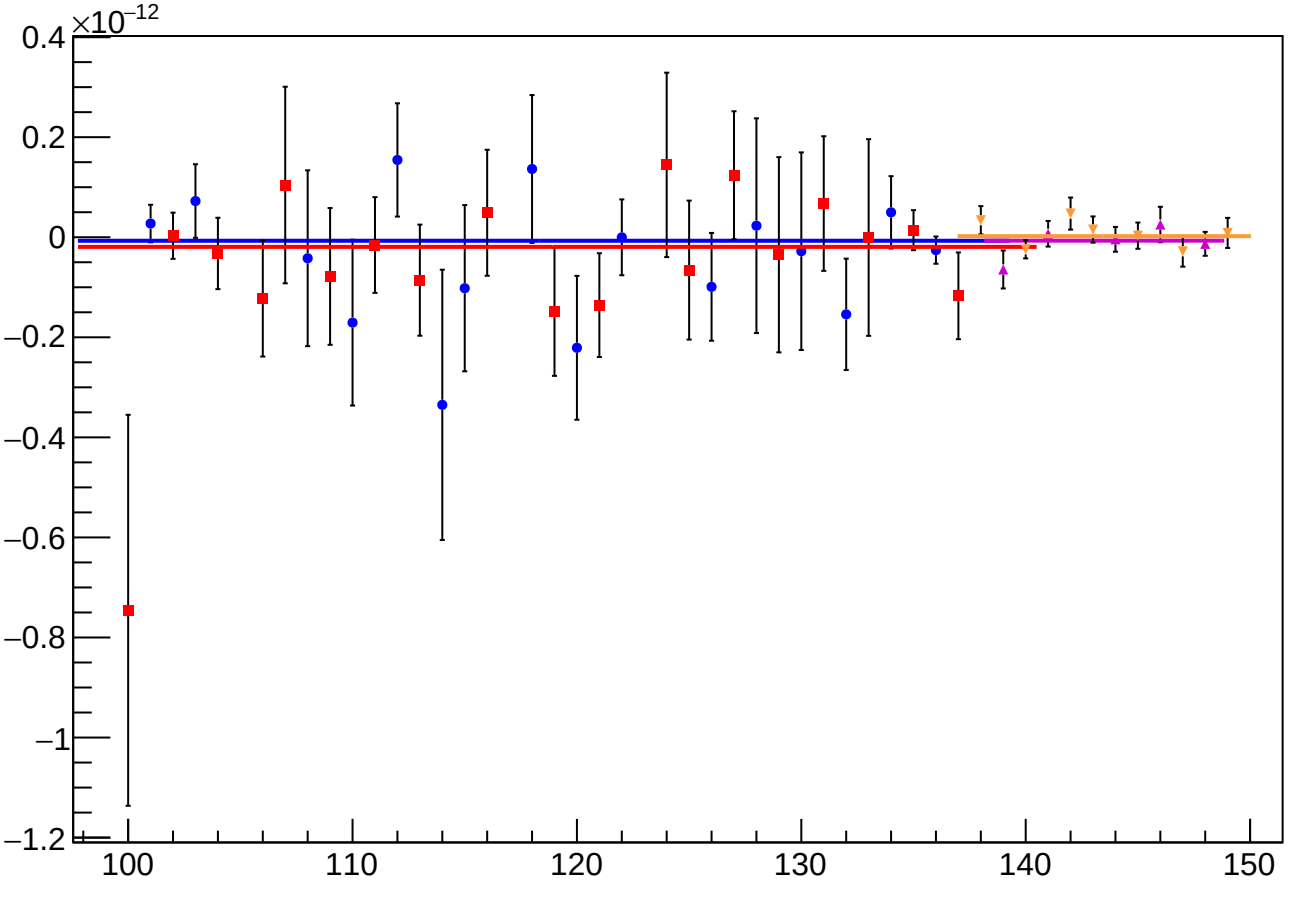
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

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

+ sign 115.429+/-0.024 χ^2/NDF: 680771.0/22

All: 114.087+/-0.017 χ^2/NDF: 1156873.8/46

- 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:6.6/6

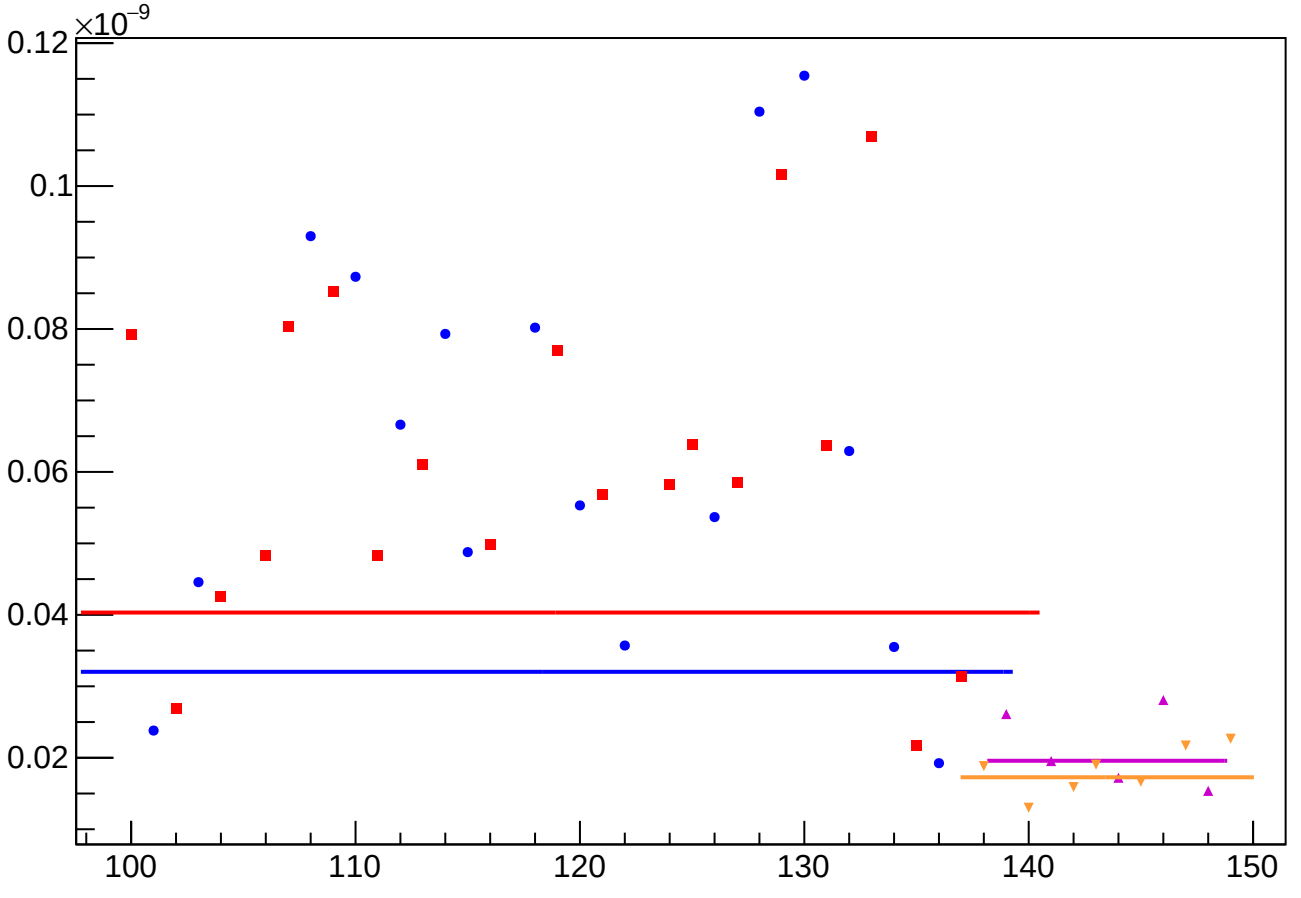
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 20.4/22

All: -0.000+/-0.000 χ^2/NDF: 37.3/46

- 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:236367.6/6

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

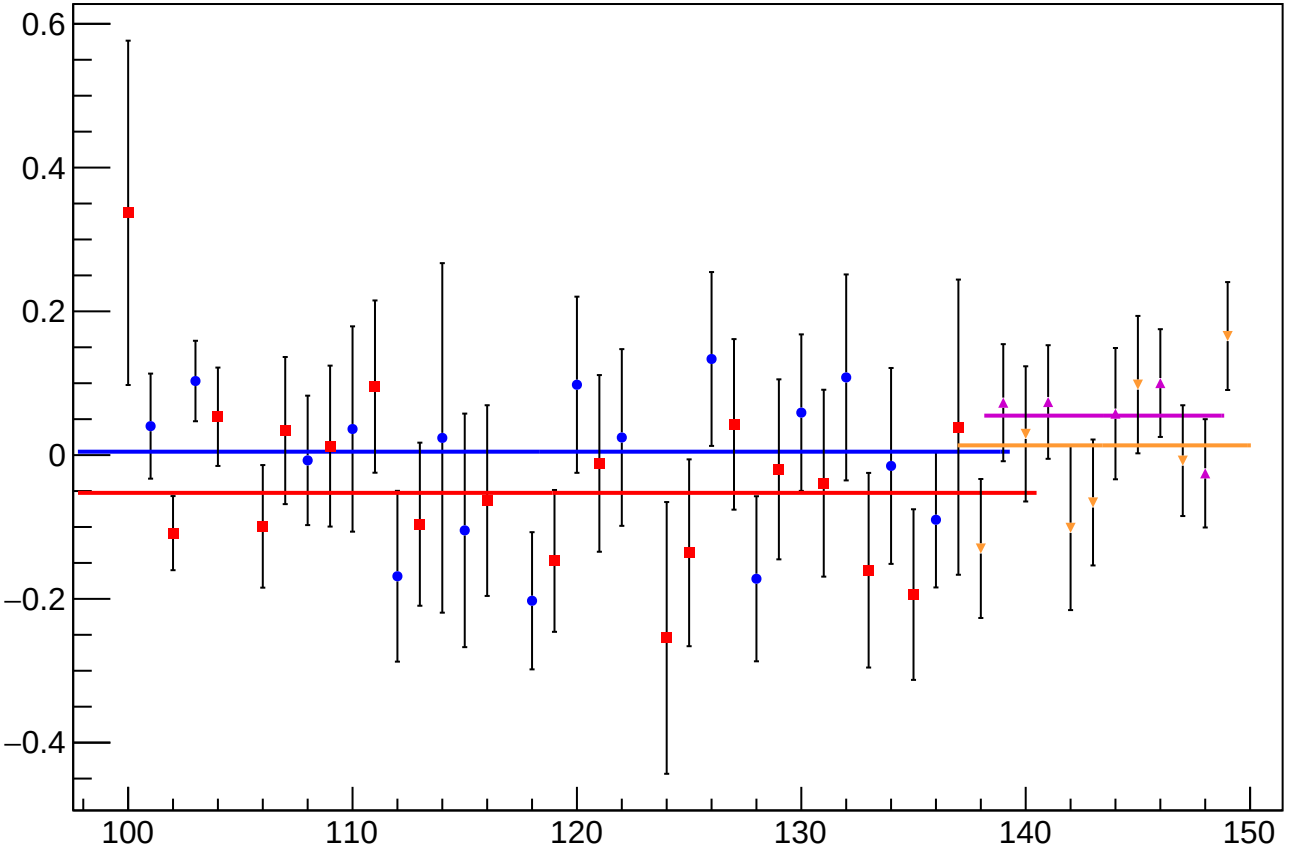
Left In: 0.000+/-0.000 χ^2/NDF:255194.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 3738438.8/22

All: 0.000+/-0.000 χ^2/NDF: 7480740.7/46

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

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: 0.014+/-0.034 χ^2/NDF:9.0/6

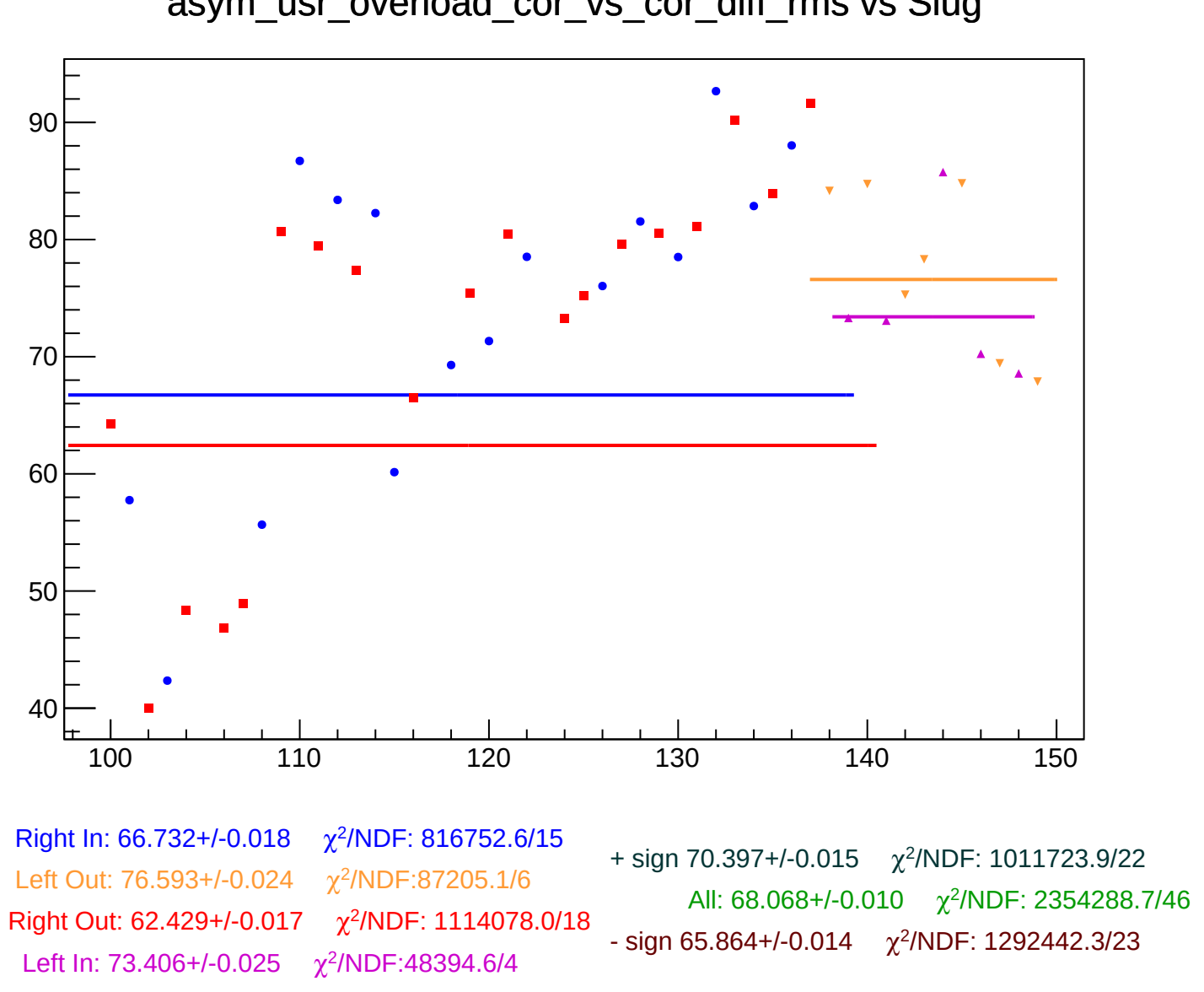
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

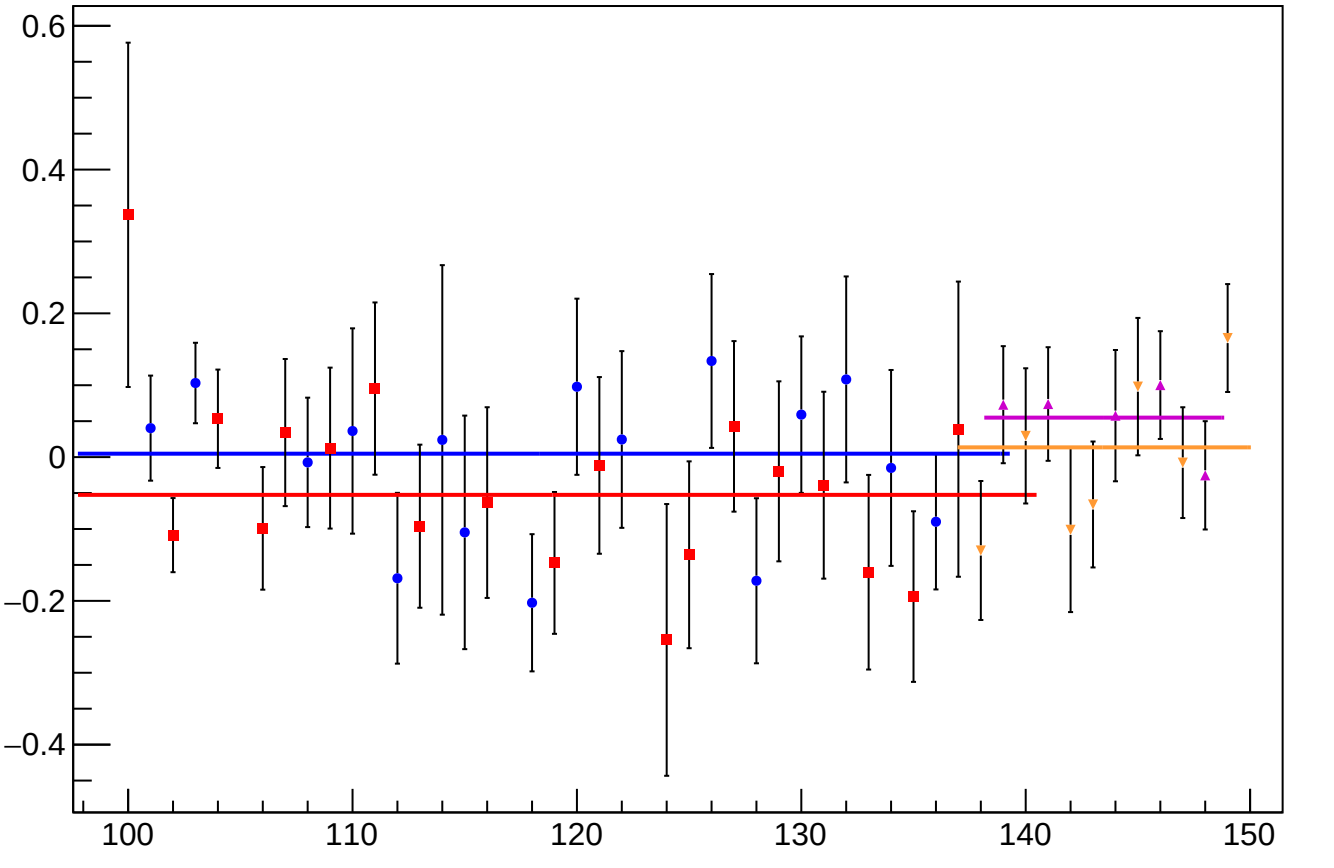
Left In: 0.055+/-0.036 χ^2/NDF:1.6/4

+ sign 0.008+/-0.021 χ^2/NDF: 25.7/22

All: -0.006+/-0.014 χ^2/NDF: 49.2/46

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


asym_usr_overload_cor_vs_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 76.593+/-0.024 χ²/NDF:87205.1/6
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 73.406+/-0.025 χ²/NDF:48394.6/4
+ sign 70.397+/-0.015 χ²/NDF: 1011723.9/22
All: 68.068+/-0.010 χ²/NDF: 2354288.7/46
- sign 65.864+/-0.014 χ²/NDF: 1292442.3/23



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

Left Out: 0.014+/-0.034 χ^2/NDF:9.0/6

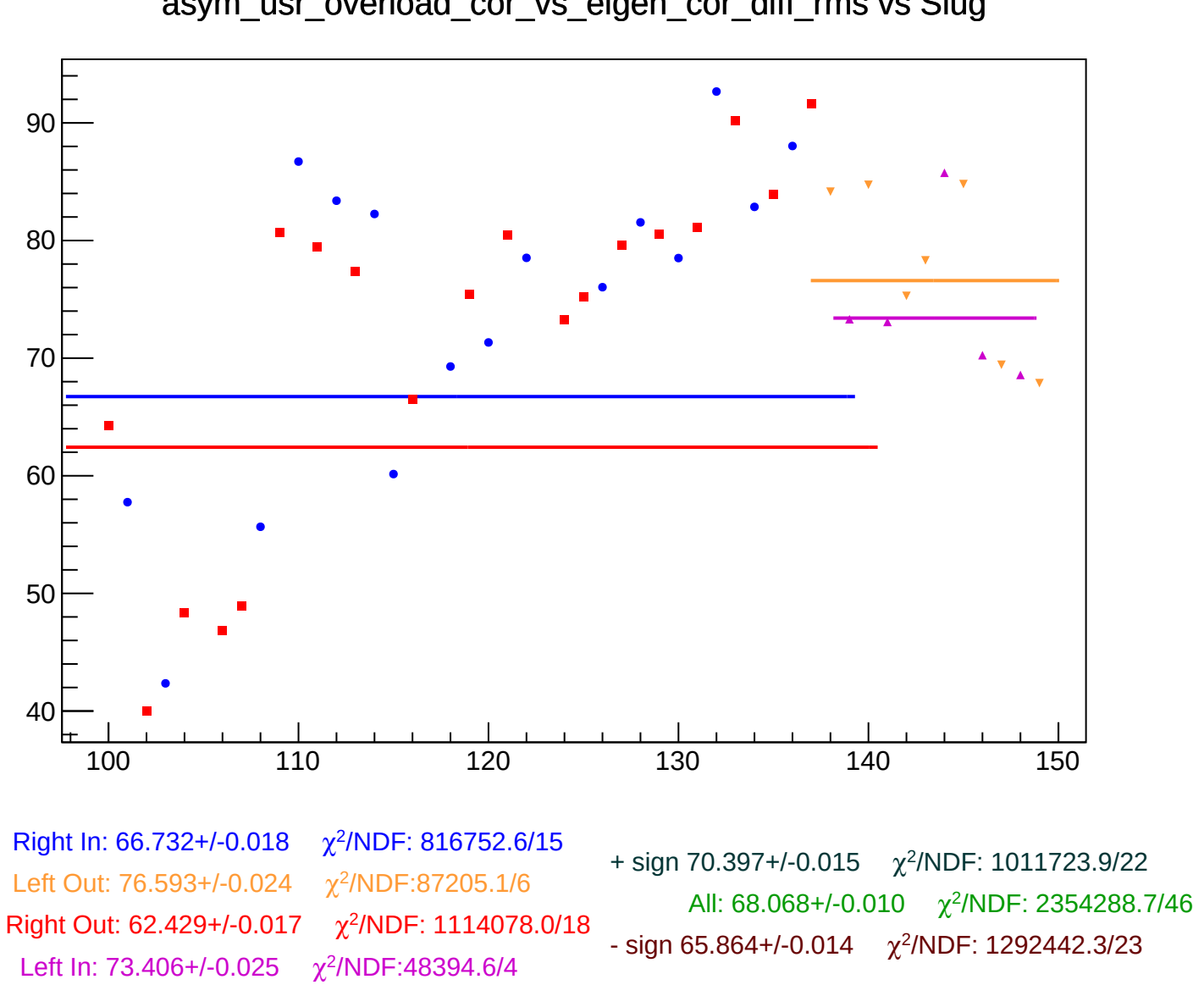
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.055+/-0.036 χ^2/NDF:1.6/4

+ sign 0.008+/-0.021 χ^2/NDF: 25.7/22

All: -0.006+/-0.014 χ^2/NDF: 49.2/46

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


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
80
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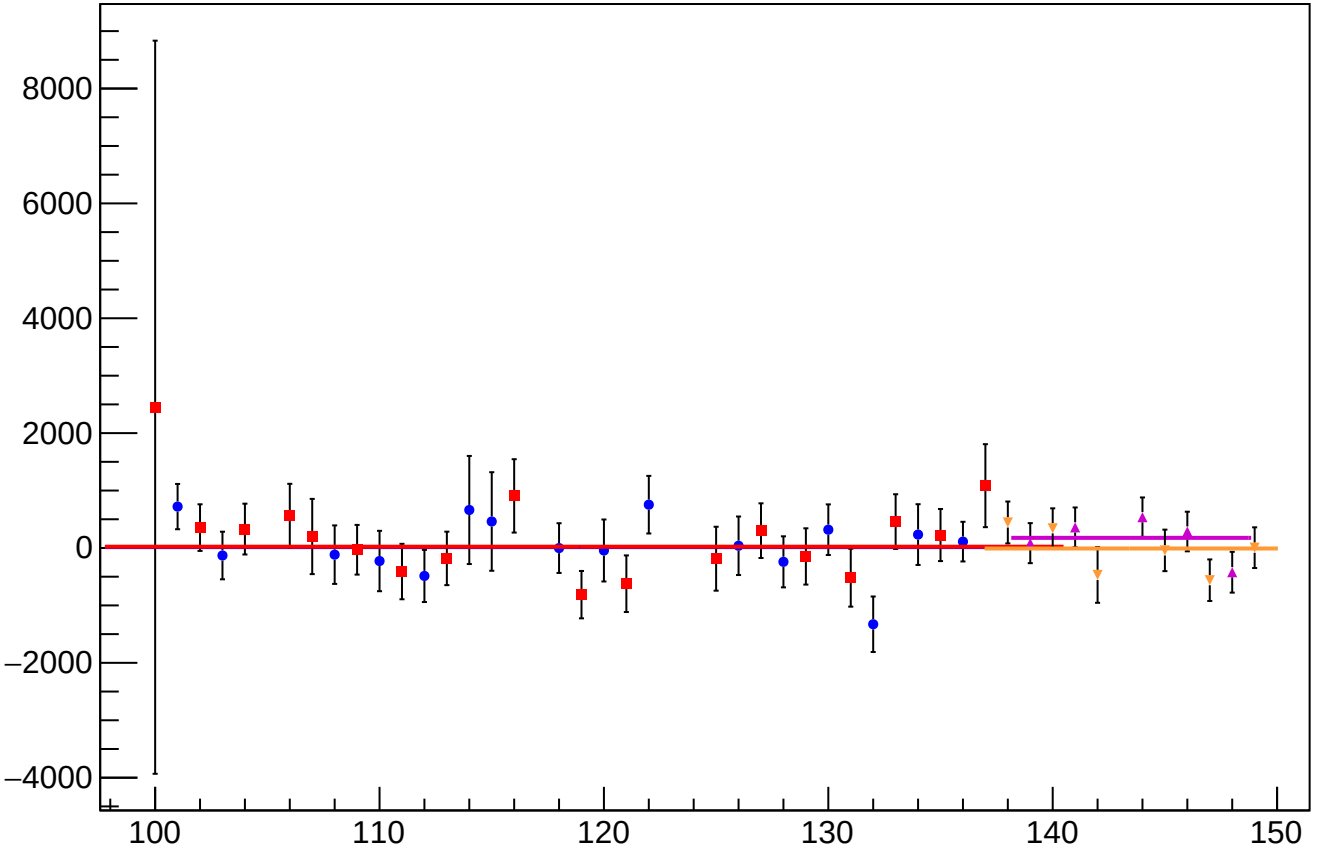
130
140
150
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 76.593+/-0.024 χ²/NDF:87205.1/6
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 73.406+/-0.025 χ²/NDF:48394.6/4
+ sign 70.397+/-0.015 χ²/NDF: 1011723.9/22
All: 68.068+/-0.010 χ²/NDF: 2354288.7/46
- sign 65.864+/-0.014 χ²/NDF: 1292442.3/23

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -8.990+/-152.029 χ^2/NDF:5.8/5

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

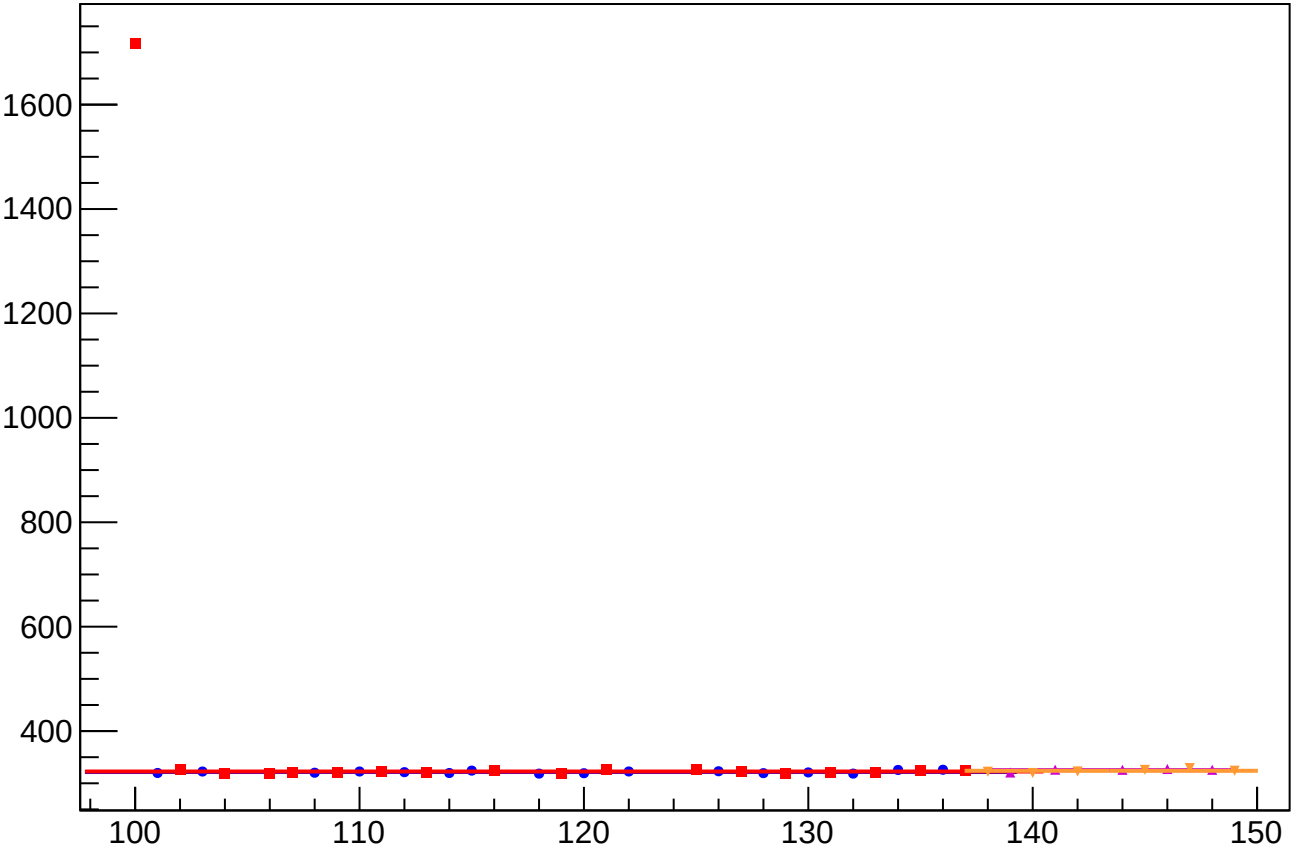
Left In: 176.312+/-155.481 χ^2/NDF:4.4/4

+ sign 6.165+/-93.917 χ^2/NDF: 22.3/21

All: 42.427+/-66.651 χ^2/NDF: 43.6/44

- 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: 323.944+/-0.108 χ^2/NDF:815.3/5

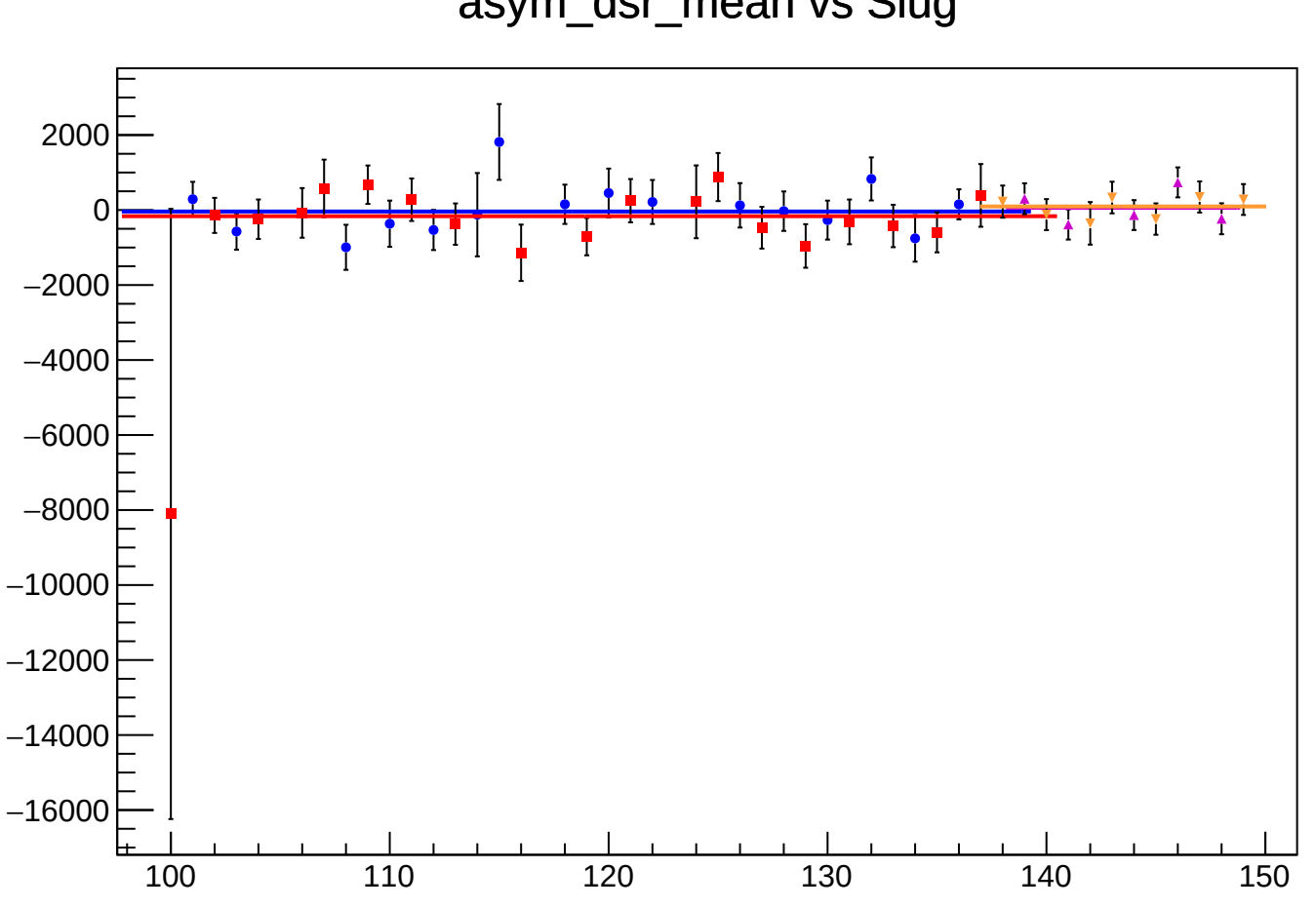
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

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

+ sign 322.497+/-0.066 χ^2/NDF: 1931.2/21

All: 323.014+/-0.047 χ^2/NDF: 99763.4/44

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



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 95.311+/-163.401 χ^2/NDF:2.5/6

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

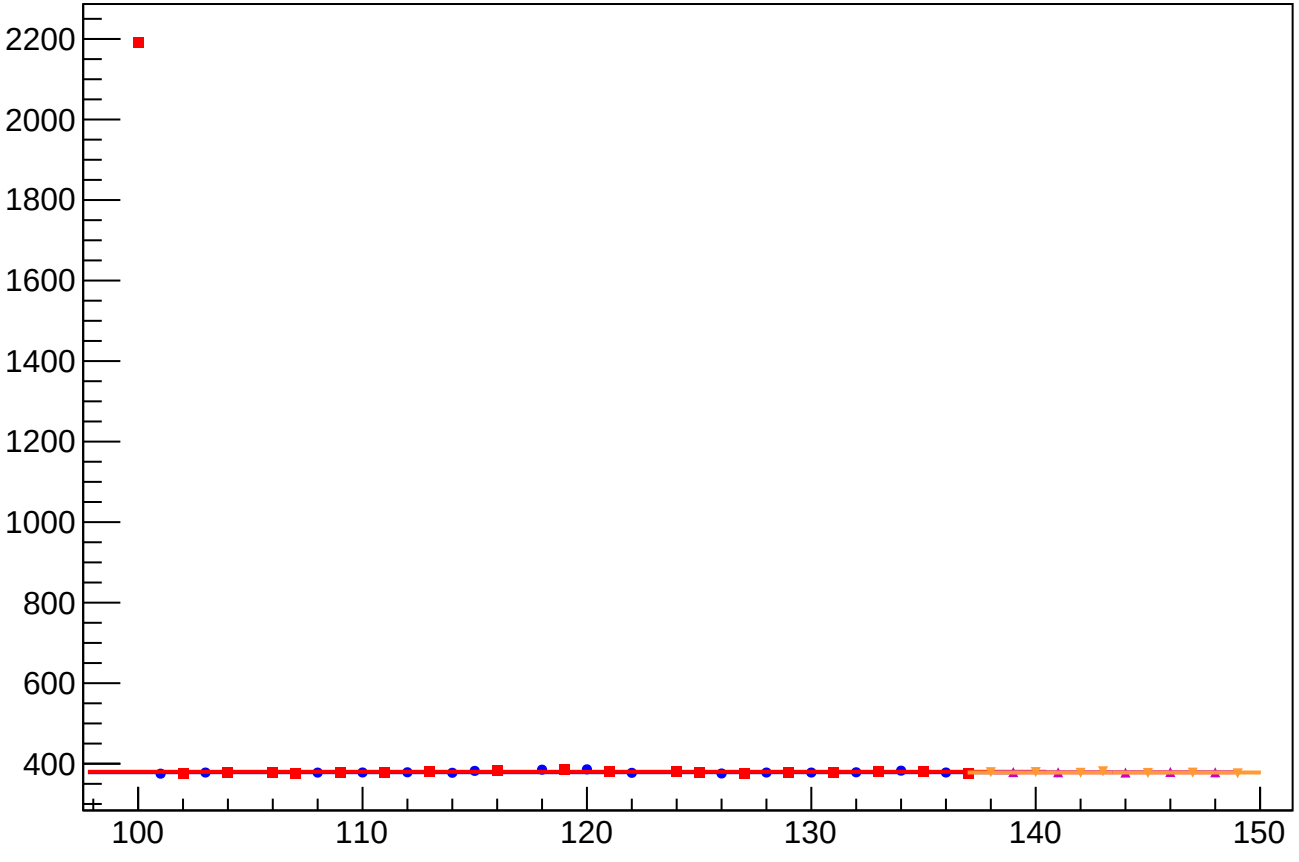
Left In: 59.227+/-181.136 χ^2/NDF:5.2/4

+ sign 18.244+/-106.629 χ^2/NDF: 16.6/22

All: -30.057+/-76.648 χ^2/NDF: 38.3/46

- 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: 378.172+/-0.116 χ^2/NDF:190.4/6

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

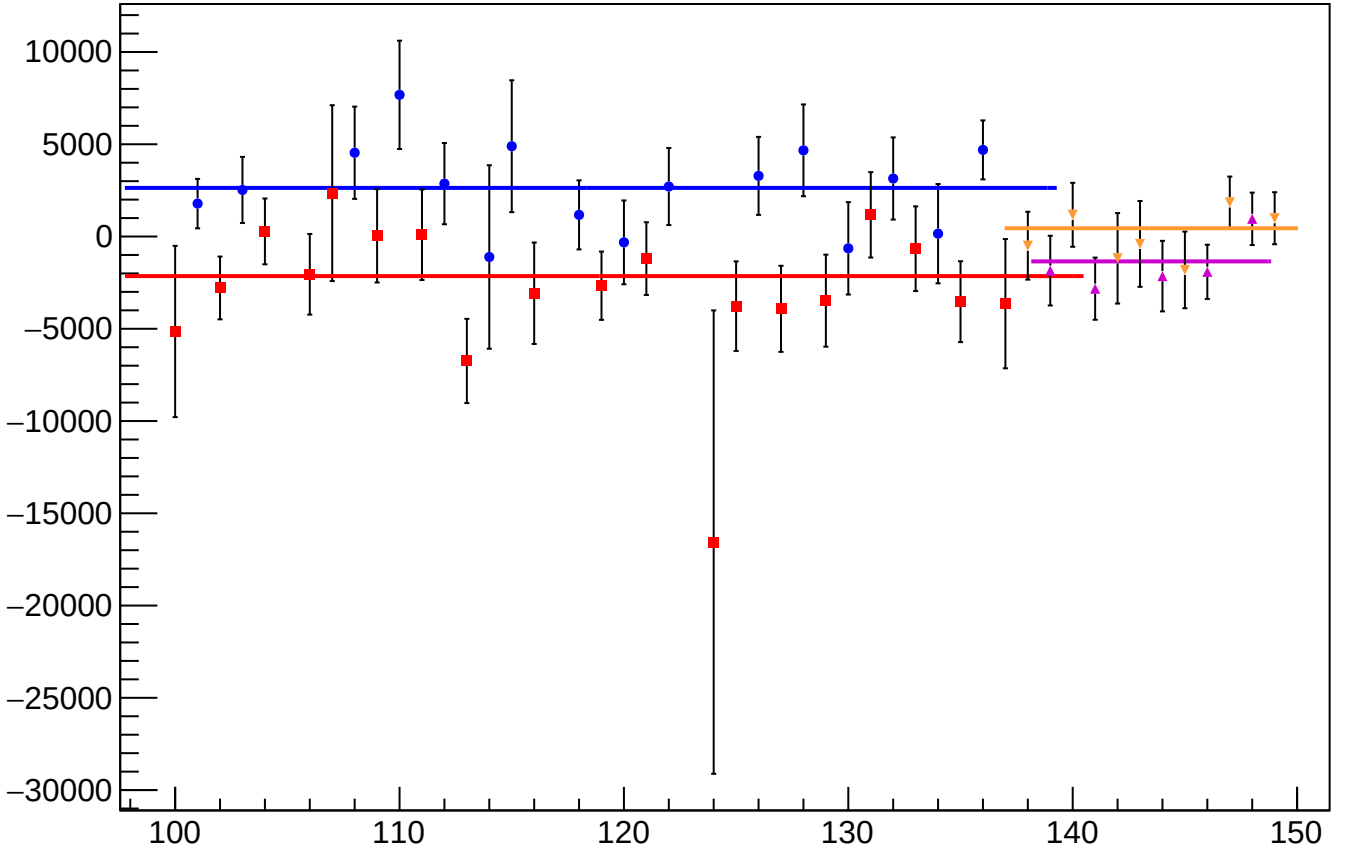
Left In: 378.868+/-0.128 χ^2/NDF:16.3/4

+ sign 378.596+/-0.075 χ^2/NDF: 1065.0/22

All: 379.034+/-0.054 χ^2/NDF: 100812.0/46

- 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: 447.885+/-670.533 χ^2/NDF:3.3/6

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

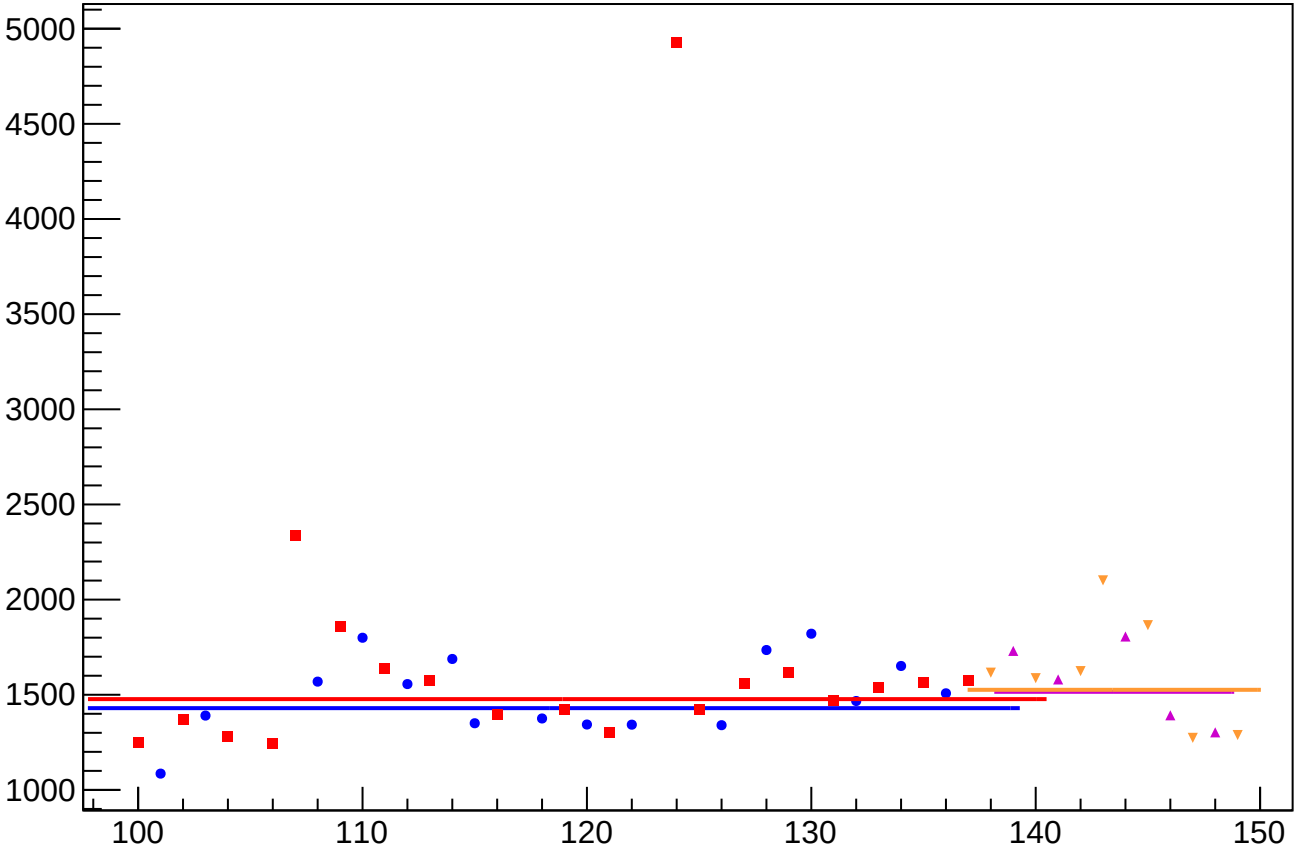
Left In: -1347.656+/-732.286 χ^2/NDF:3.8/4

+ sign 1778.616+/-419.643 χ^2/NDF: 22.1/22

All: 38.440+/-303.086 χ^2/NDF: 77.6/46

- 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: 1526.016+/-0.474 χ^2/NDF:307896.8/6

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

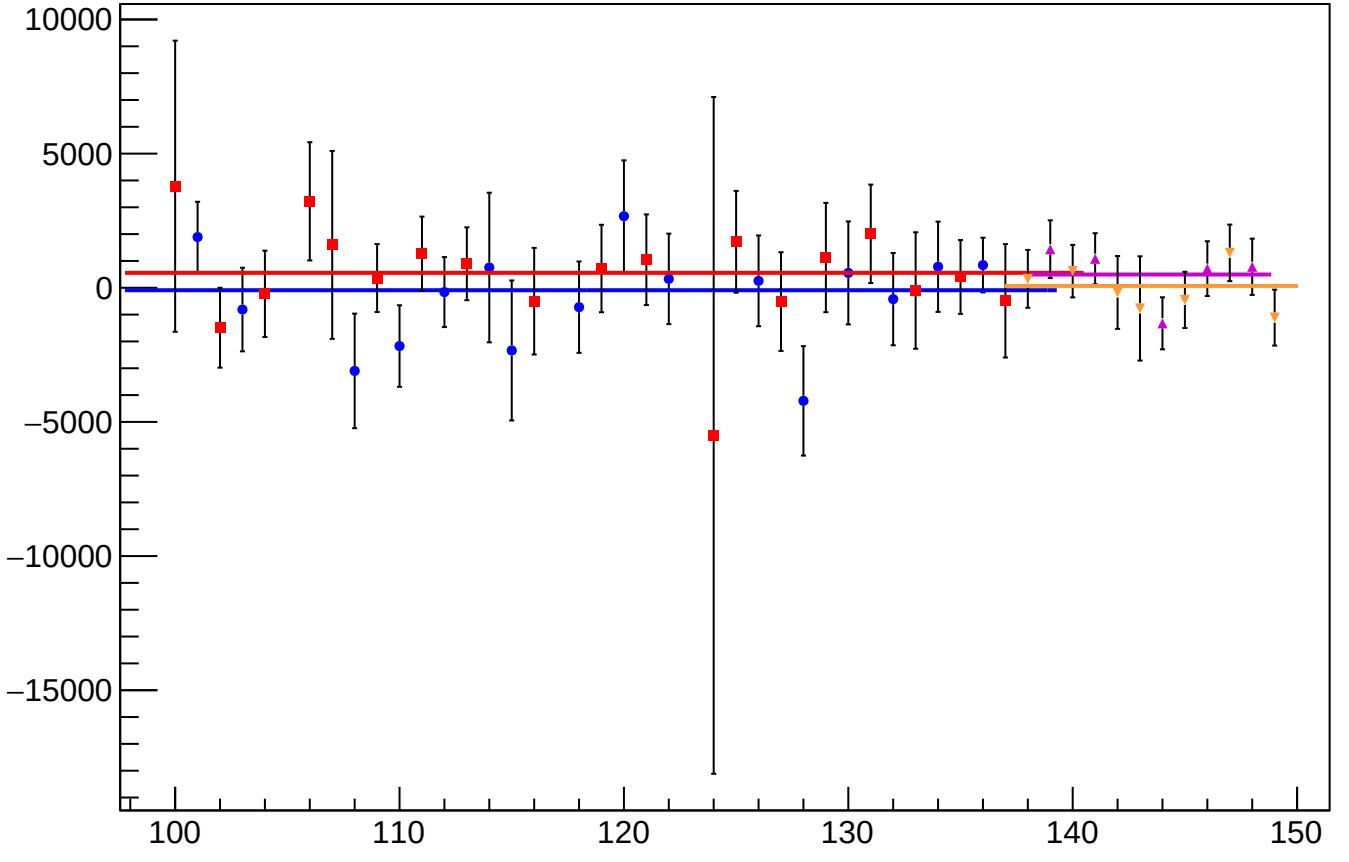
Left In: 1515.529+/-0.518 χ^2/NDF:134161.9/4

+ sign 1467.396+/-0.297 χ^2/NDF: 626412.6/22

All: 1478.629+/-0.214 χ^2/NDF: 1136531.4/46

- 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: 68.429+/-428.611 χ^2/NDF:3.5/6

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

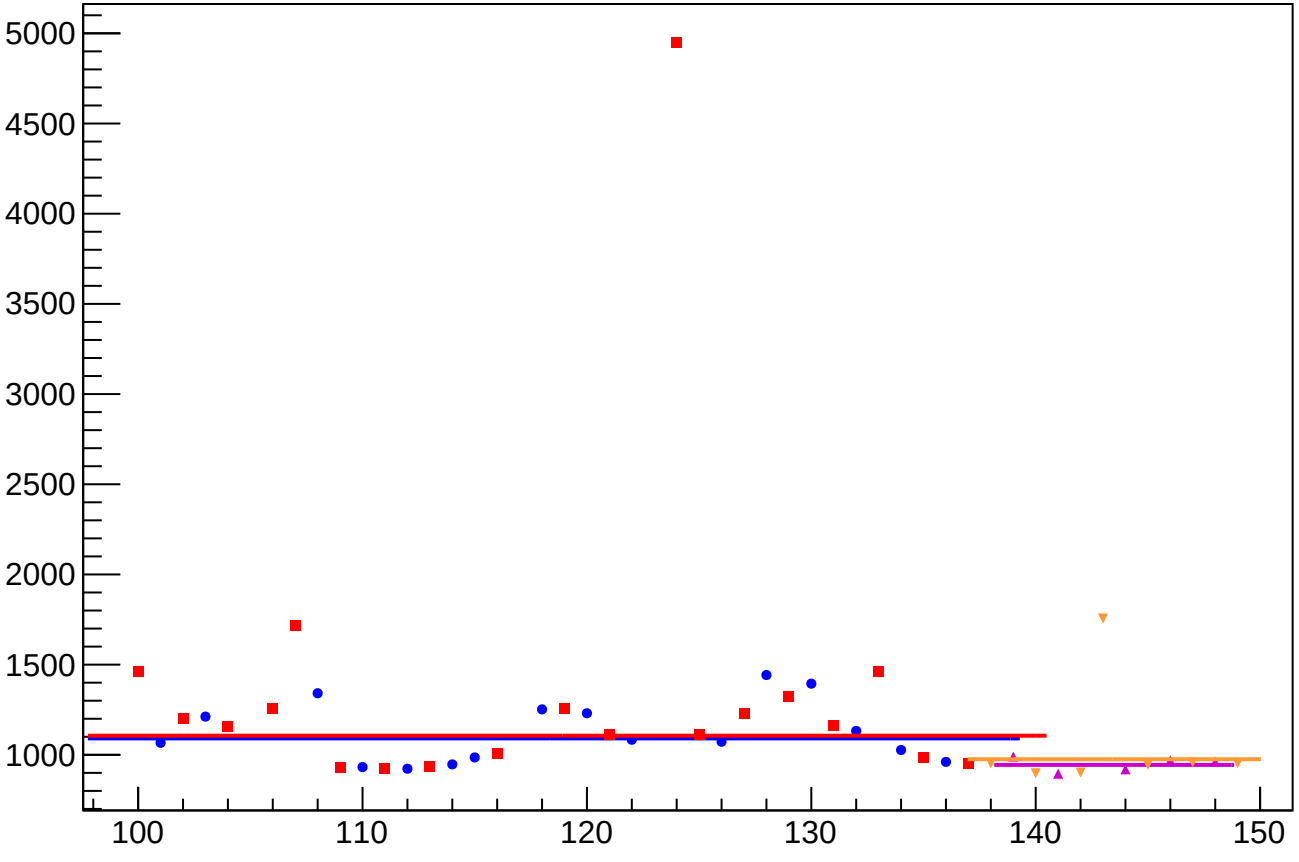
Left In: 494.114+/-451.761 χ^2/NDF:4.8/4

+ sign -14.989+/-296.258 χ^2/NDF: 18.1/22

All: 249.566+/-212.222 χ^2/NDF: 31.3/46

- 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: 975.611+/-0.303 χ^2/NDF:345012.1/6

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

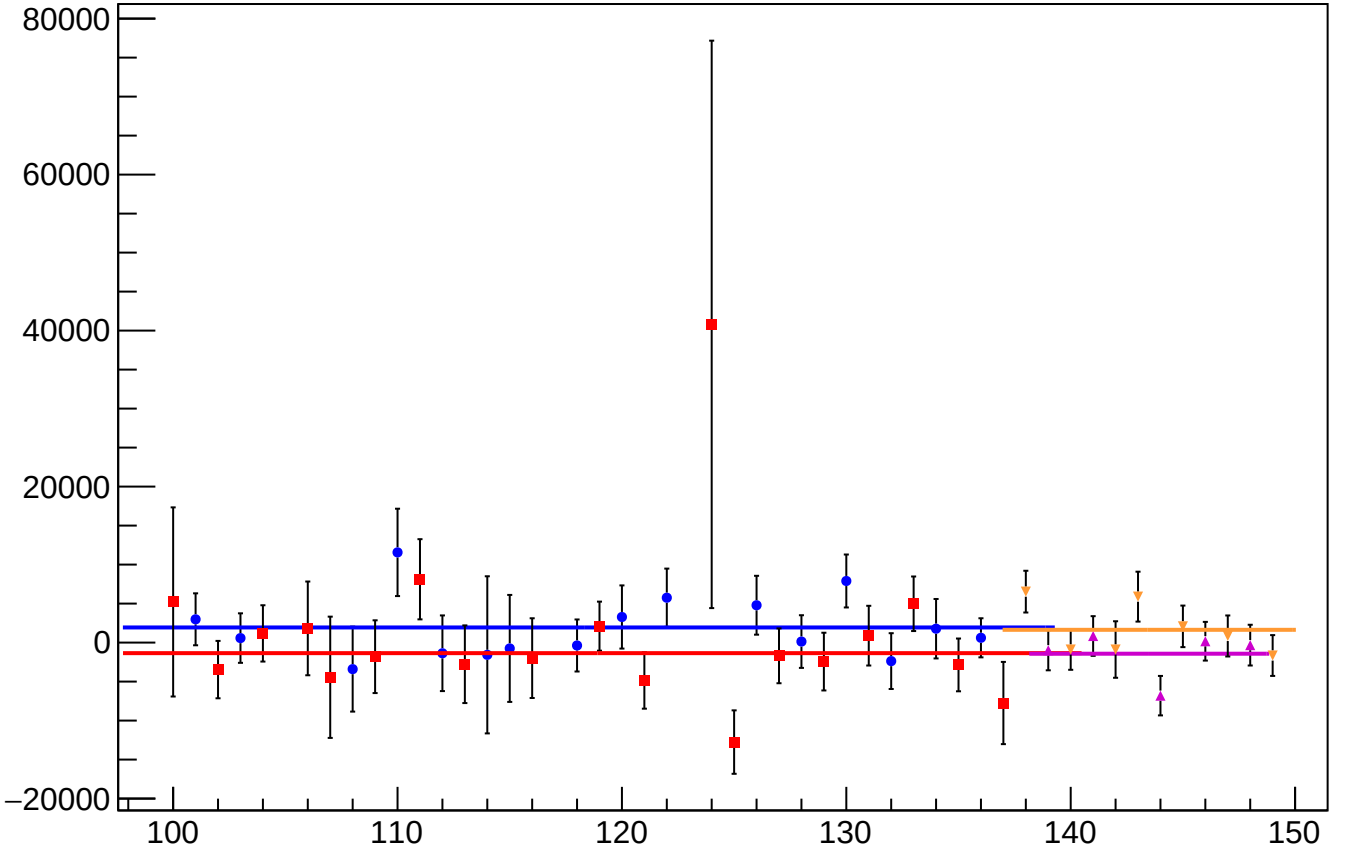
Left In: 944.107+/-0.319 χ^2/NDF:11924.3/4

+ sign 1035.892+/-0.209 χ^2/NDF: 698071.4/22

All: 1034.310+/-0.150 χ^2/NDF: 1364712.8/46

- 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: 1636.537+/-1058.077 χ^2/NDF:8.2/6

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

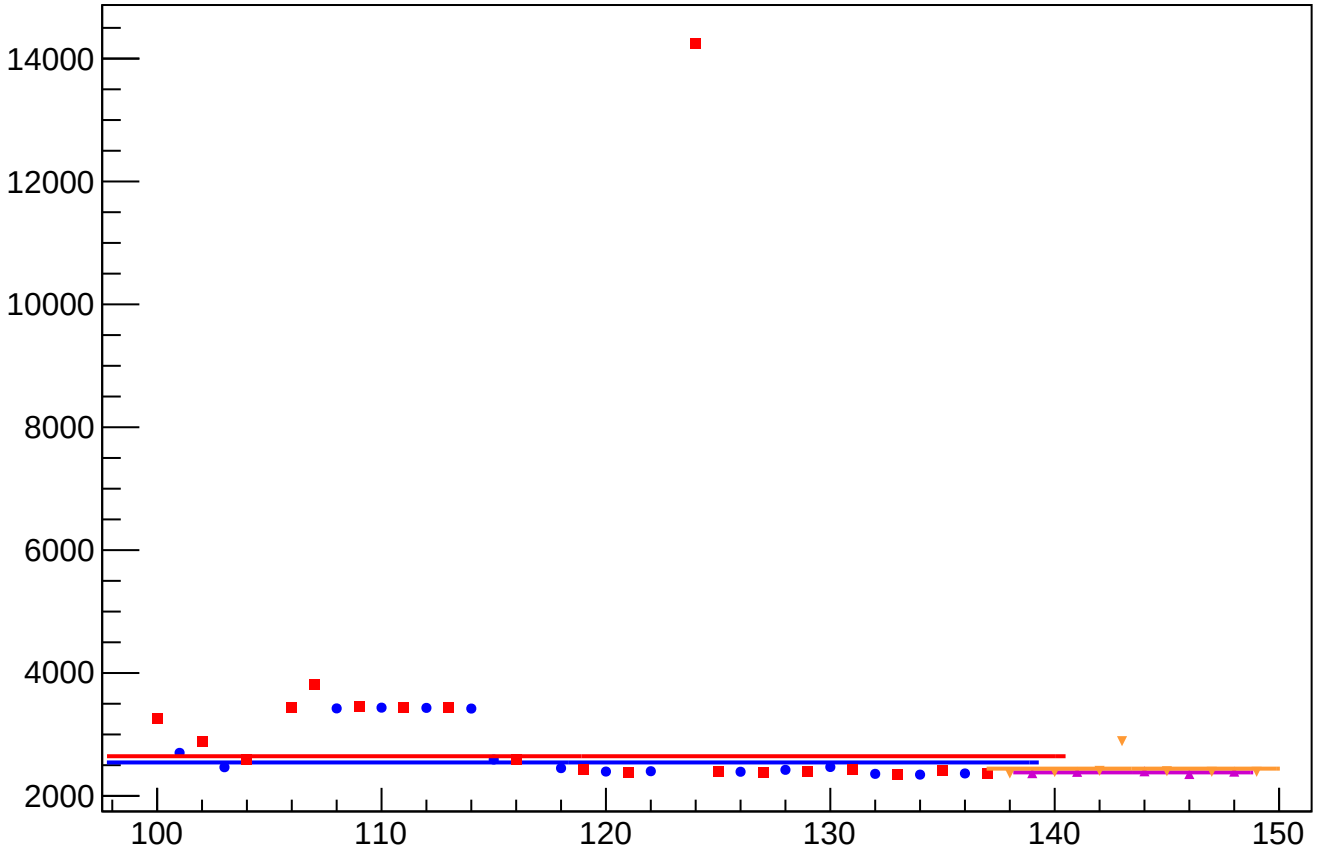
Left In: -1426.816+/-1139.140 χ^2/NDF:5.9/4

+ sign 1803.964+/-707.926 χ^2/NDF: 20.5/22

All: 291.169+/-513.230 χ^2/NDF: 57.9/46

- 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: 2443.906+/-0.748 χ^2/NDF:43990.9/6

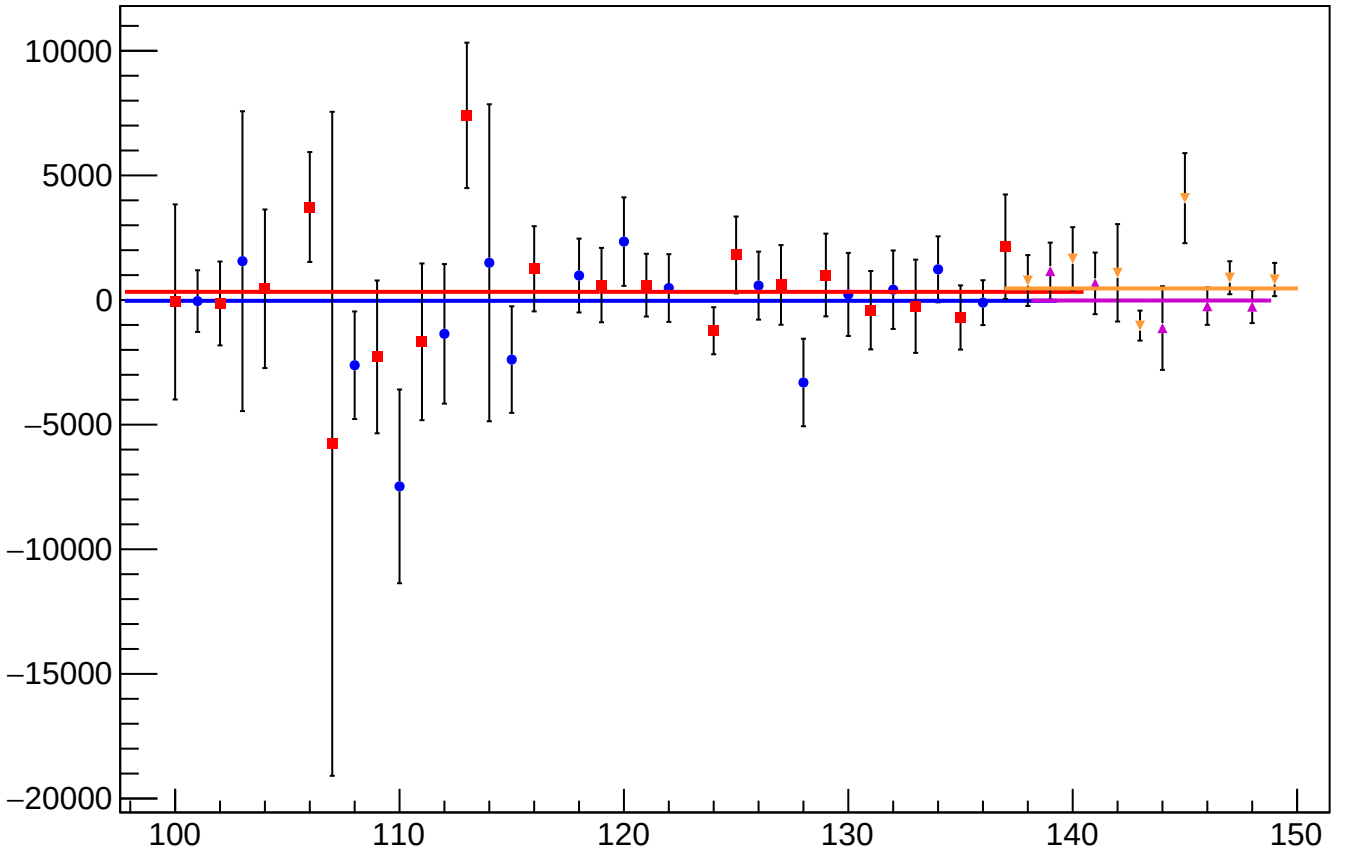
Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

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

+ sign 2499.422+/-0.501 χ^2/NDF: 279573.2/22

All: 2515.420+/-0.363 χ^2/NDF: 880096.3/46

- sign 2533.143+/-0.527 χ^2/NDF: 598370.3/23



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 464.197+/-325.306 χ^2/NDF:12.0/6

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

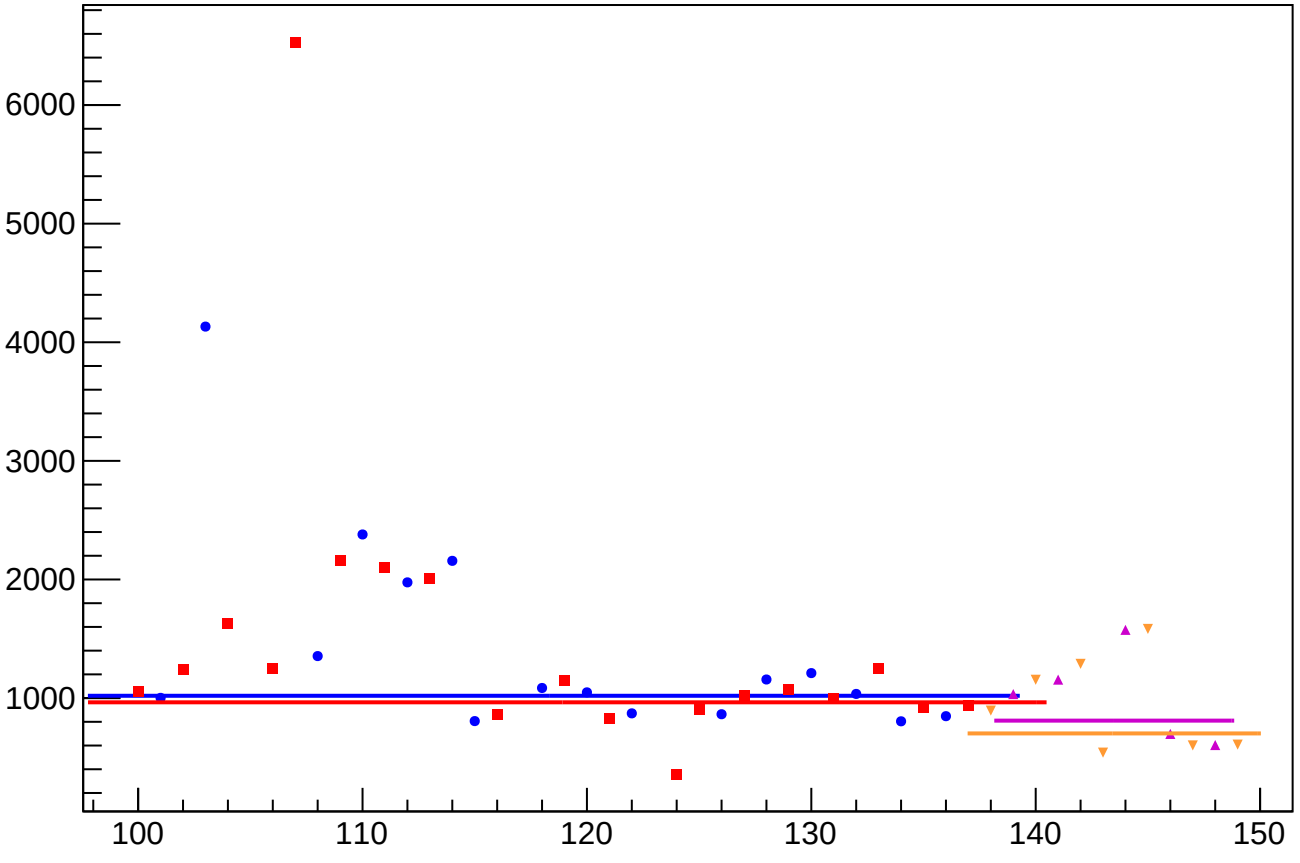
Left In: -19.150+/-413.865 χ^2/NDF:2.0/4

+ sign 270.348+/-253.800 χ^2/NDF: 26.7/22

All: 222.468+/-190.148 χ^2/NDF: 44.8/46

- 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: 702.075+/-0.230 χ^2/NDF:1214679.0/6

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

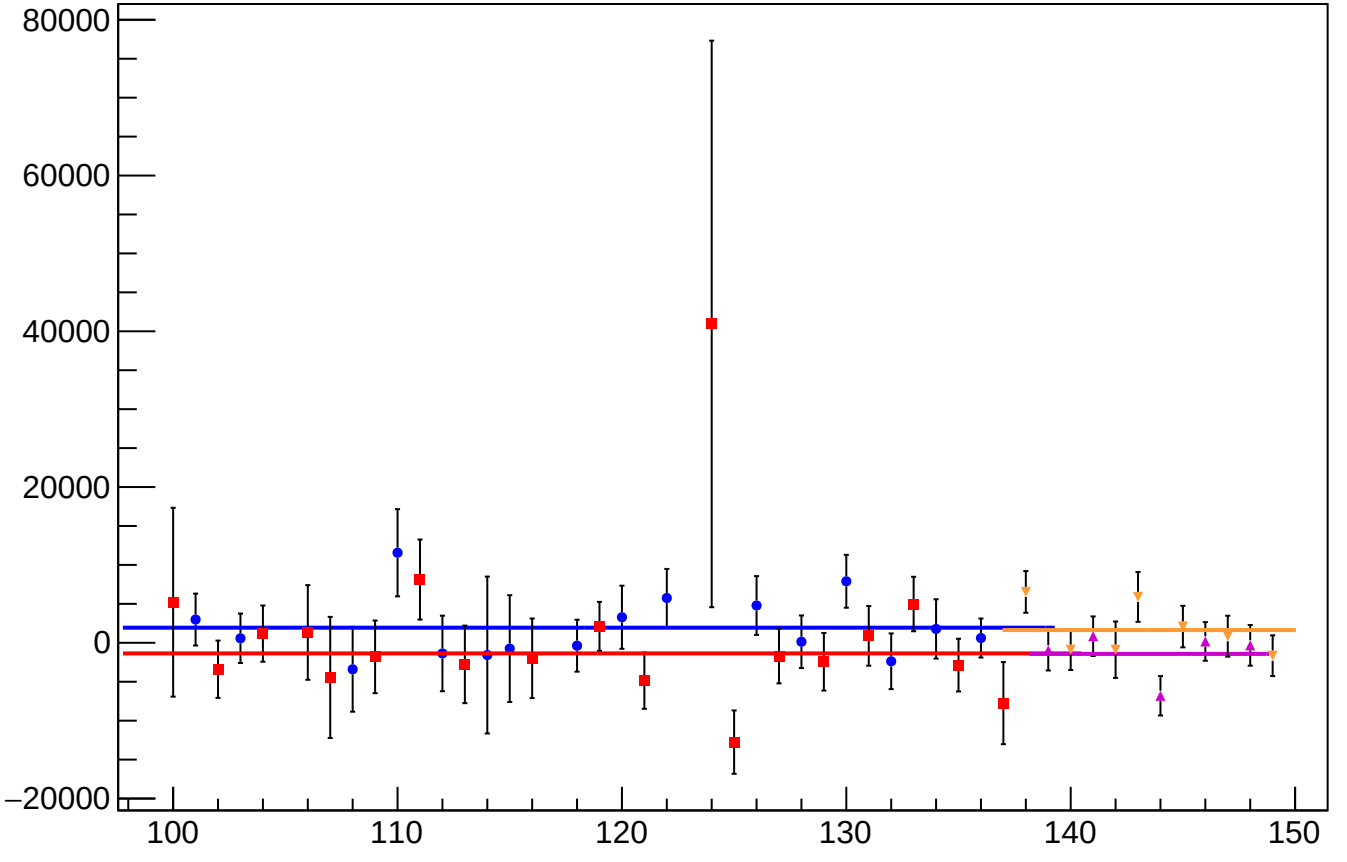
Left In: 810.011+/-0.293 χ^2/NDF:888168.8/4

\+ sign 826.294+/-0.179 χ^2/NDF: 3324684.5/22

All: 854.286+/-0.134 χ^2/NDF: 6722025.7/46

\- 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: 1636.357+/-1058.077 χ^2/NDF:8.2/6

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

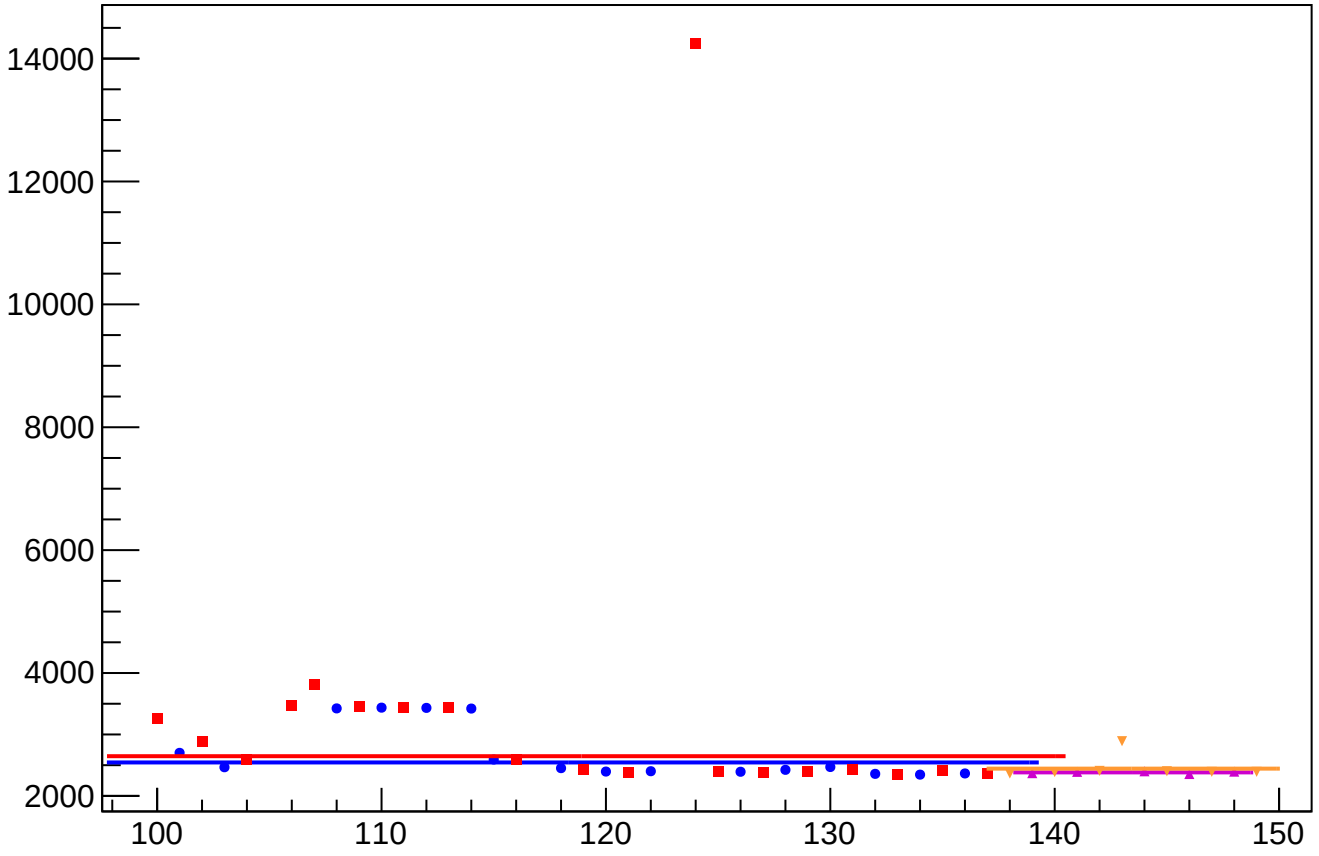
Left In: -1427.096+/-1139.140 χ^2/NDF:5.9/4

+ sign 1804.076+/-707.926 χ^2/NDF: 20.5/22

All: 288.823+/-513.272 χ^2/NDF: 57.8/46

- 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: 2443.906+/-0.748 χ^2/NDF:43990.9/6

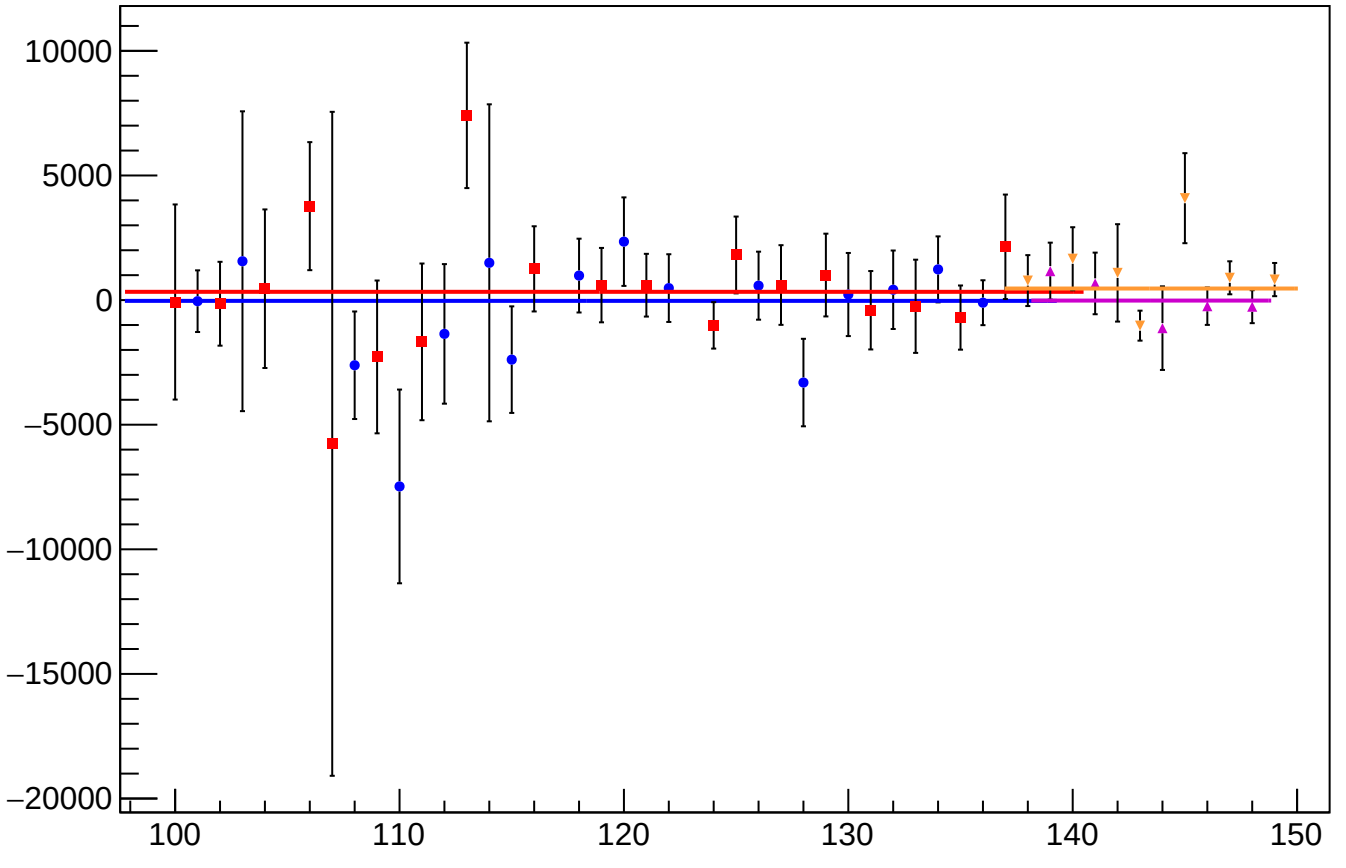
Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

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

+ sign 2499.423+/-0.501 χ^2/NDF: 279573.2/22

All: 2515.549+/-0.363 χ^2/NDF: 882955.4/46

- sign 2533.422+/-0.527 χ^2/NDF: 601194.2/23



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 464.072+/-325.313 χ^2/NDF:12.0/6

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

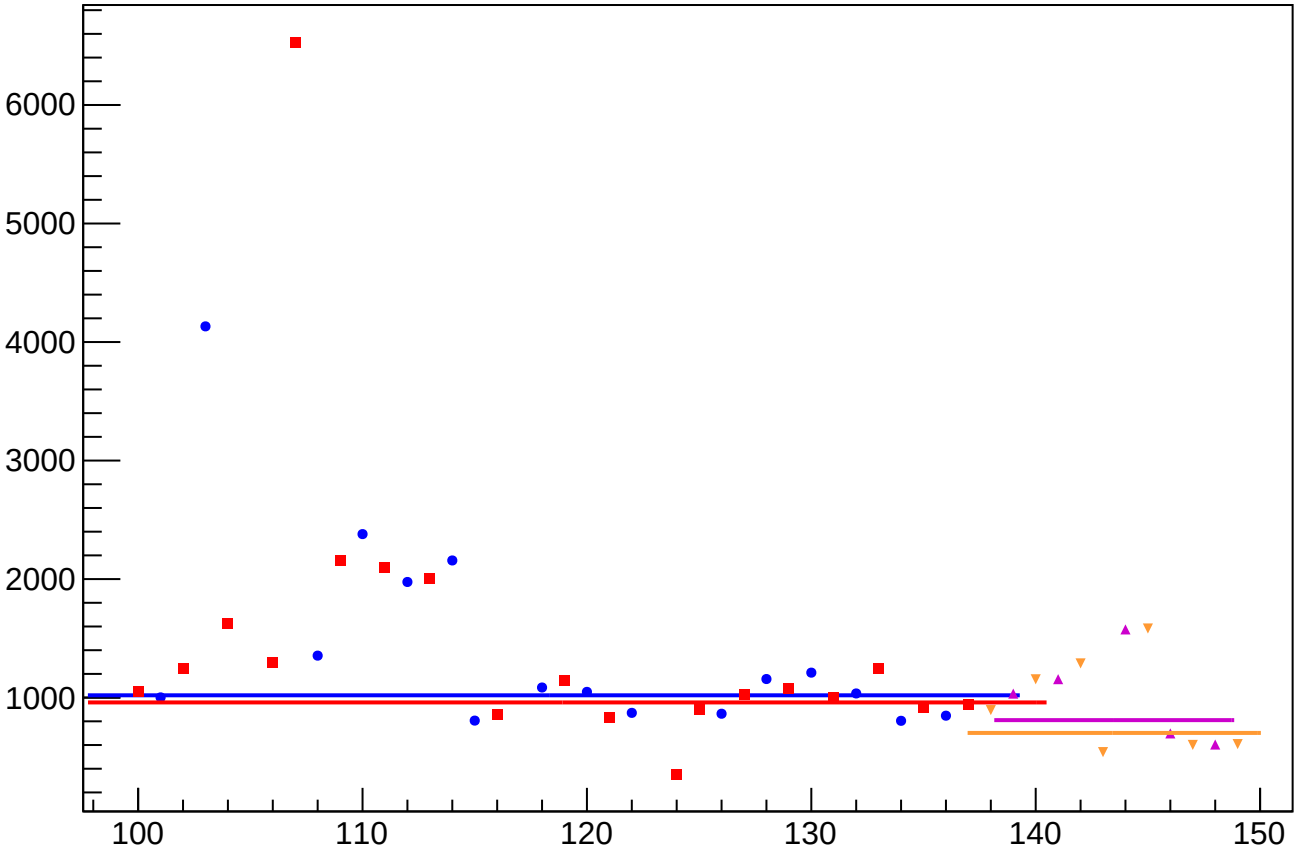
Left In: -19.333+/-413.860 χ^2/NDF:2.0/4

+ sign 270.241+/-253.803 χ^2/NDF: 26.7/22

All: 223.067+/-190.232 χ^2/NDF: 43.5/46

- 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: 702.092+/-0.230 χ^2/NDF:1214616.9/6

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

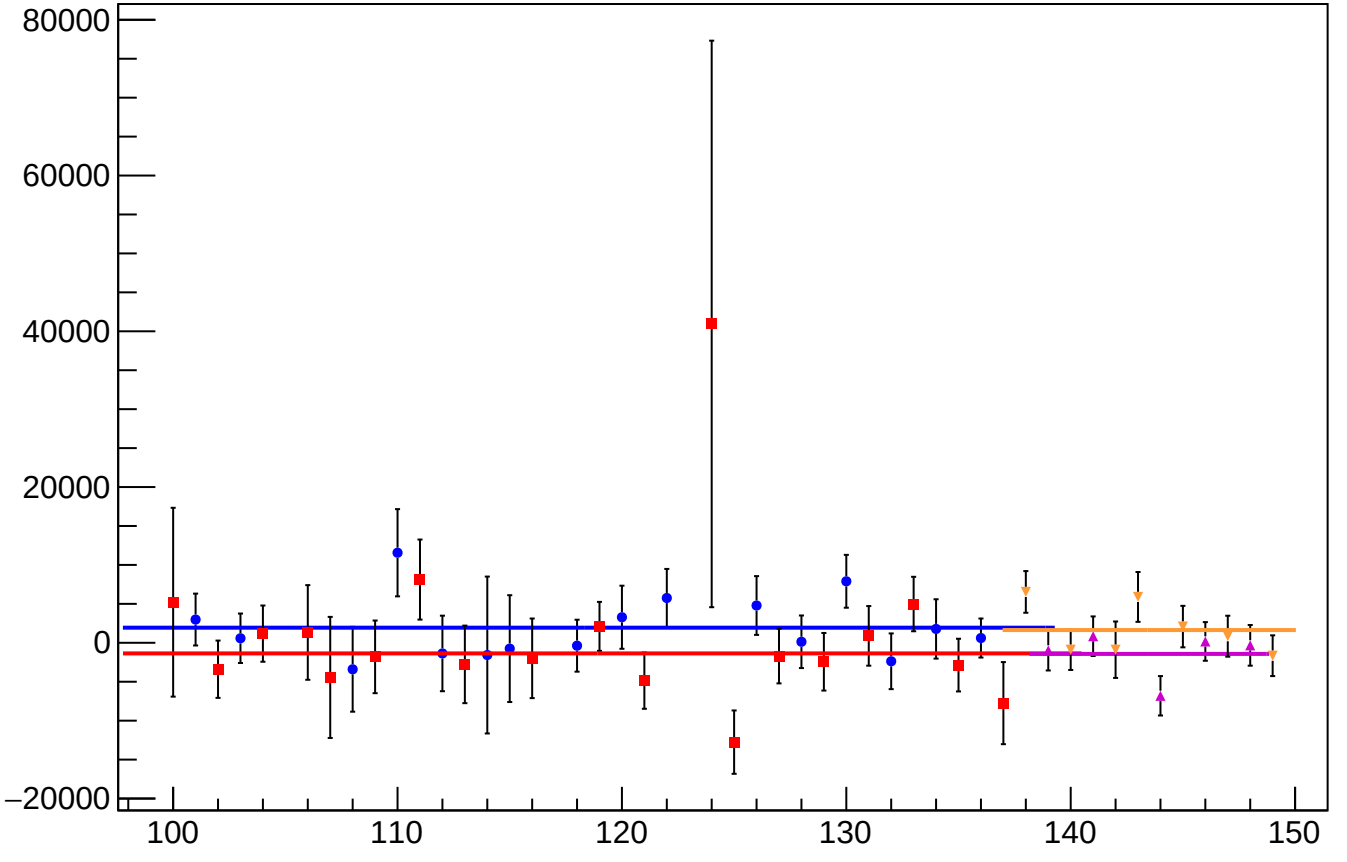
Left In: 809.998+/-0.293 χ^2/NDF:888211.9/4

\+ sign 826.306+/-0.179 χ^2/NDF: 3324489.2/22

All: 853.051+/-0.135 χ^2/NDF: 6742687.7/46

\- 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: 1636.357+/-1058.077 χ^2/NDF:8.2/6

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

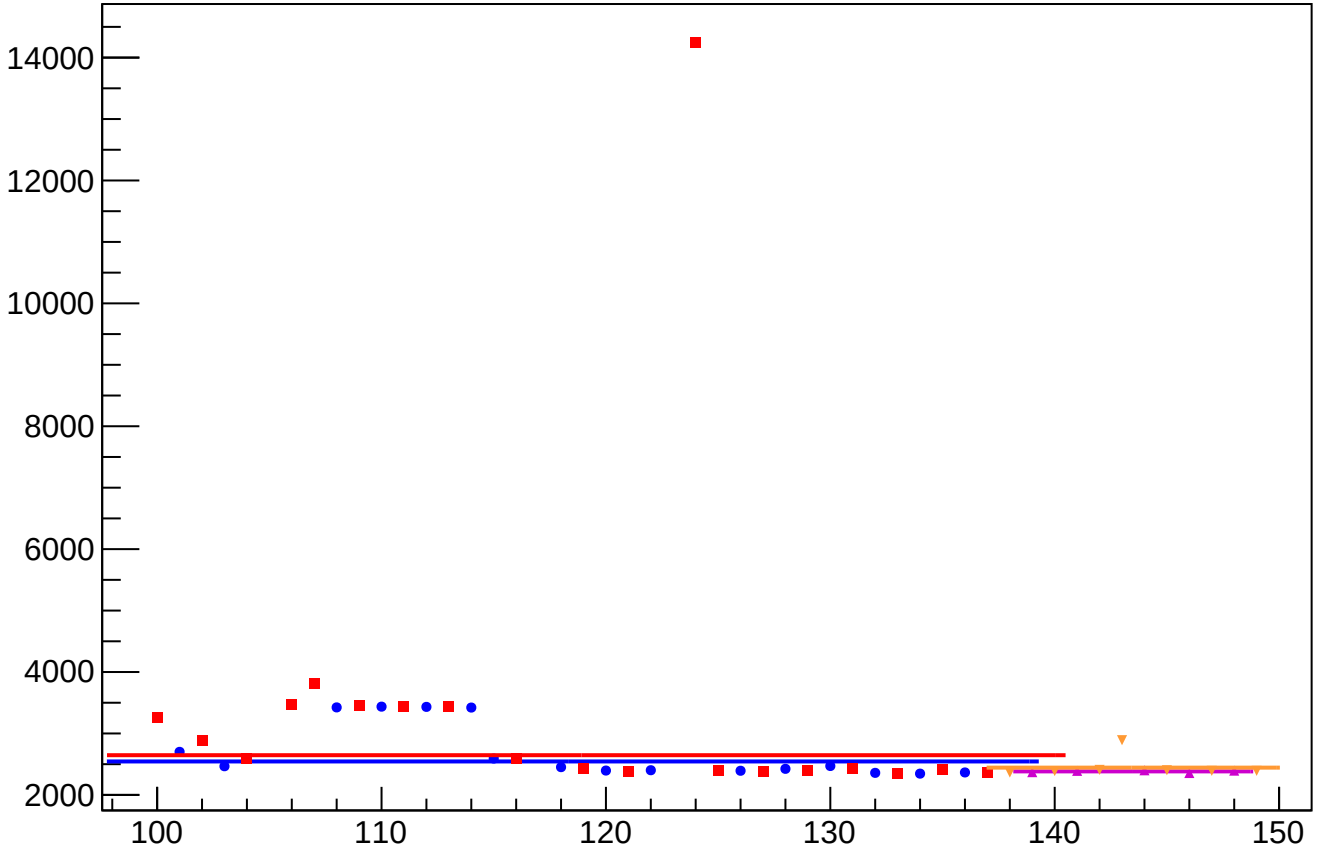
Left In: -1427.096+/-1139.140 χ^2/NDF:5.9/4

+ sign 1804.076+/-707.926 χ^2/NDF: 20.5/22

All: 288.823+/-513.272 χ^2/NDF: 57.8/46

- 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: 2443.906+/-0.748 χ^2/NDF:43990.9/6

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

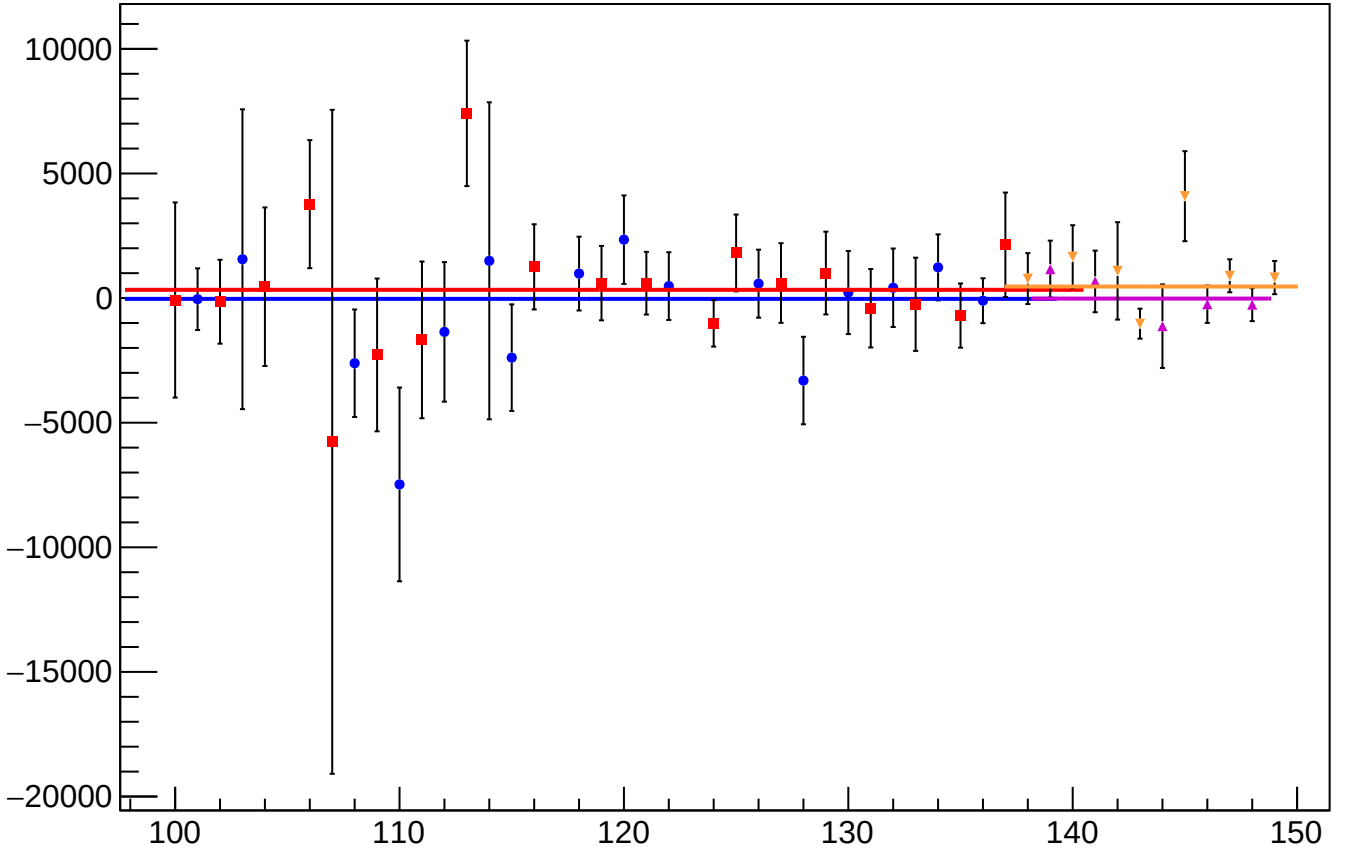
Left In: 2382.709+/-0.805 χ^2/NDF:441.3/4

+ sign 2499.423+/-0.501 χ^2/NDF: 279573.2/22

All: 2515.549+/-0.363 χ^2/NDF: 882955.4/46

- 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: 464.072+/-325.313 χ^2/NDF:12.0/6

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

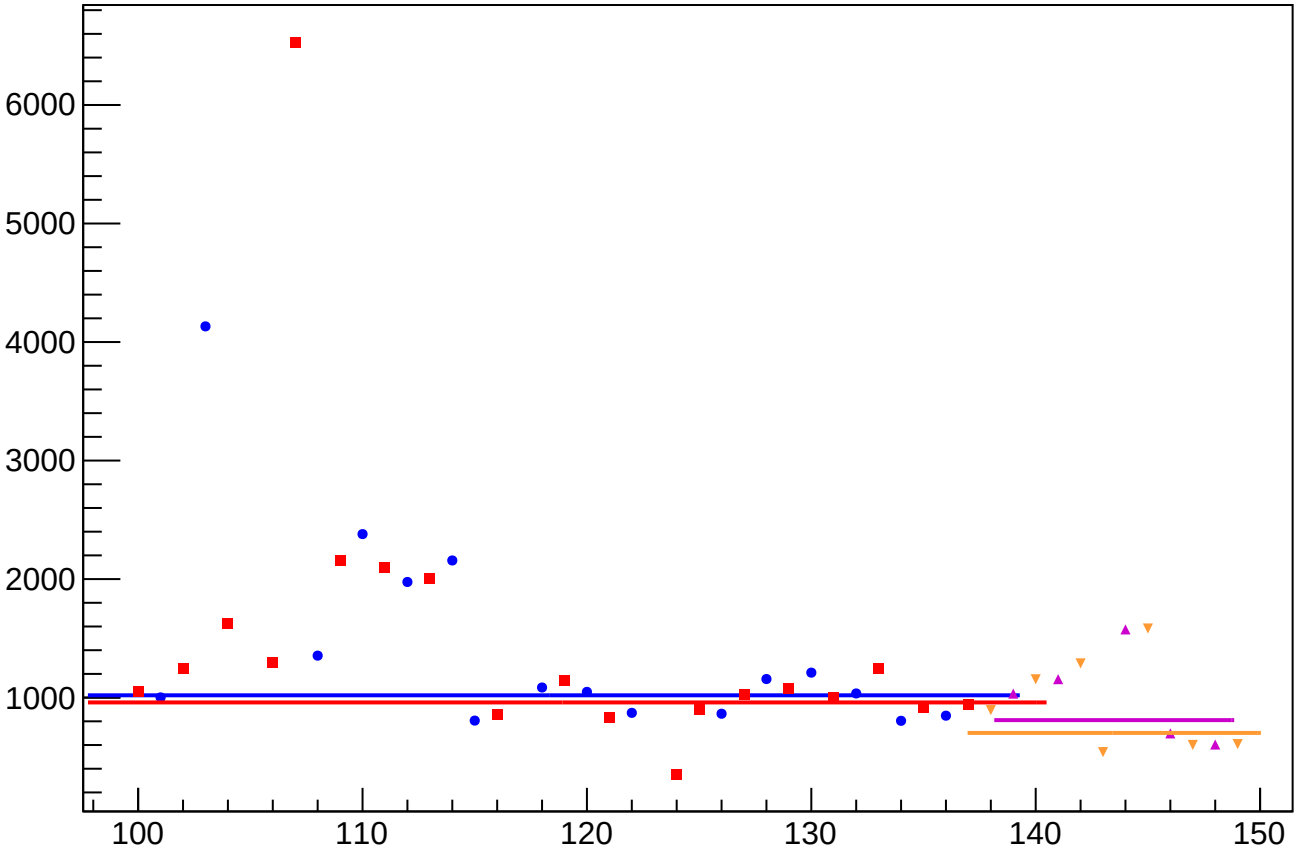
Left In: -19.333+/-413.860 χ^2/NDF:2.0/4

+ sign 270.241+/-253.803 χ^2/NDF: 26.7/22

All: 223.067+/-190.232 χ^2/NDF: 43.5/46

- 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: 702.092+/-0.230 χ^2/NDF:1214616.9/6

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

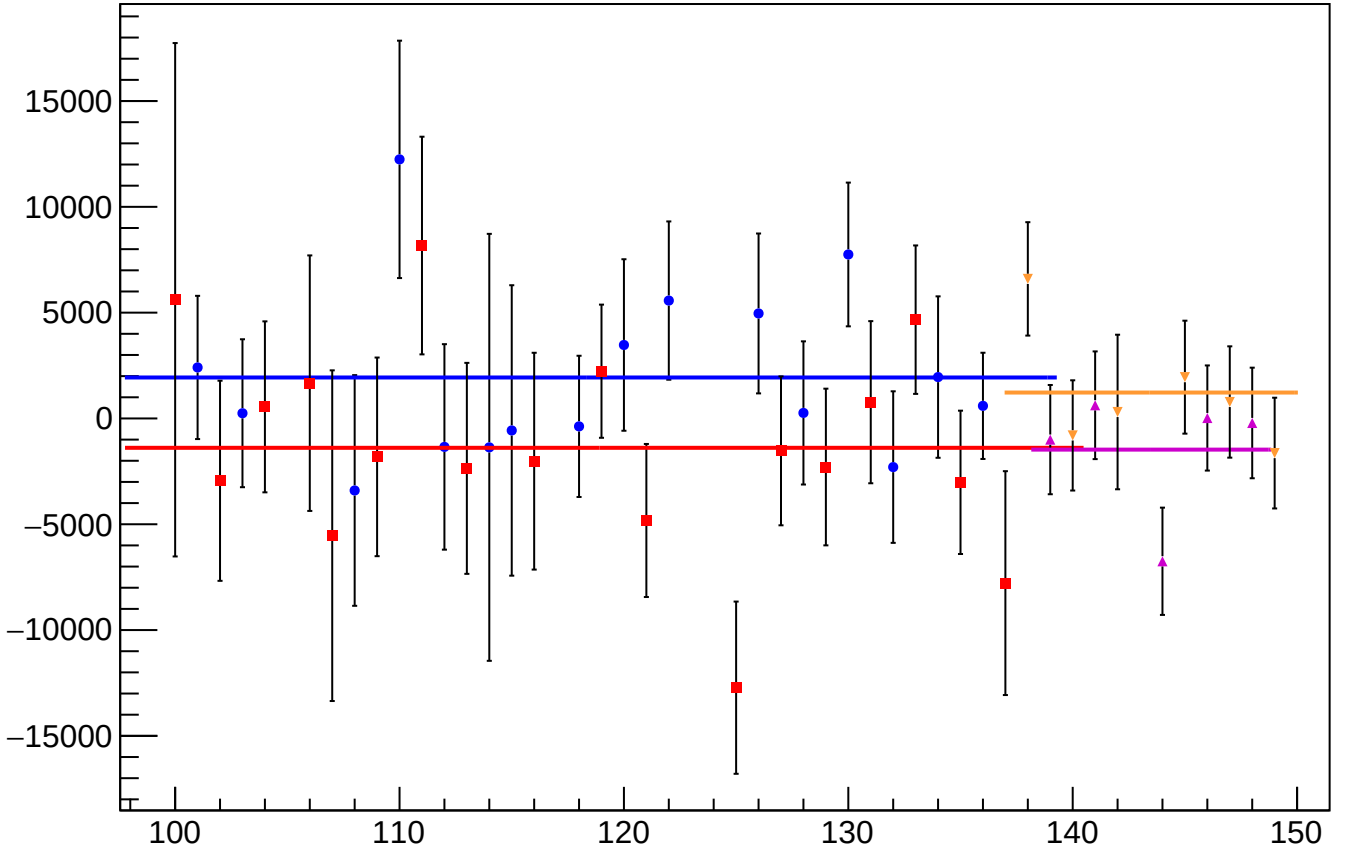
Left In: 809.998+/-0.293 χ^2/NDF:888211.9/4

\+ sign 826.306+/-0.179 χ^2/NDF: 3324489.2/22

All: 853.051+/-0.135 χ^2/NDF: 6742687.7/46

\- 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: 1224.318+/-1123.239 χ^2/NDF:6.0/5

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

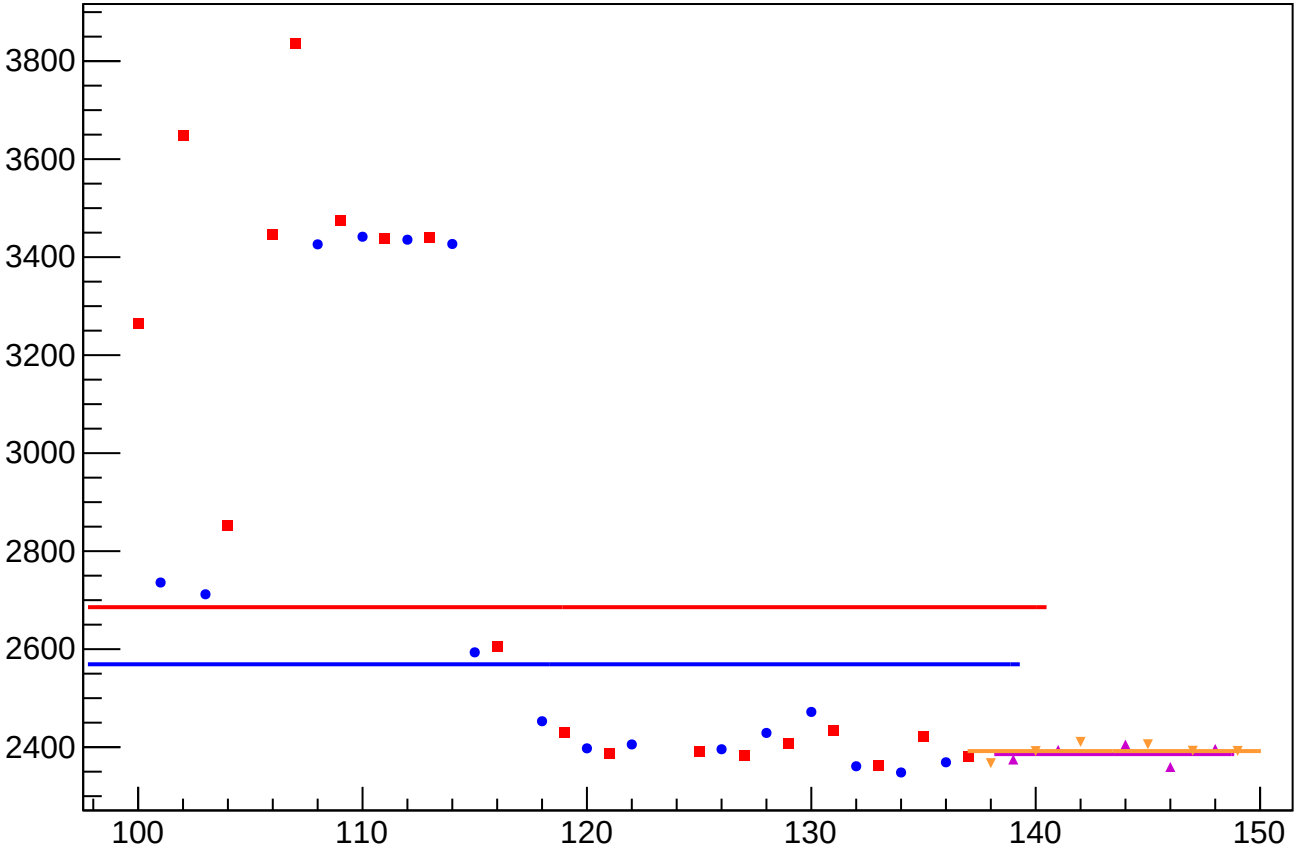
Left In: -1473.038+/-1140.645 χ^2/NDF:5.6/4

+ sign 1634.741+/-730.795 χ^2/NDF: 18.6/21

All: 156.266+/-525.365 χ^2/NDF: 52.4/44

- 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: 2392.011+/-0.794 χ^2/NDF:277.0/5

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

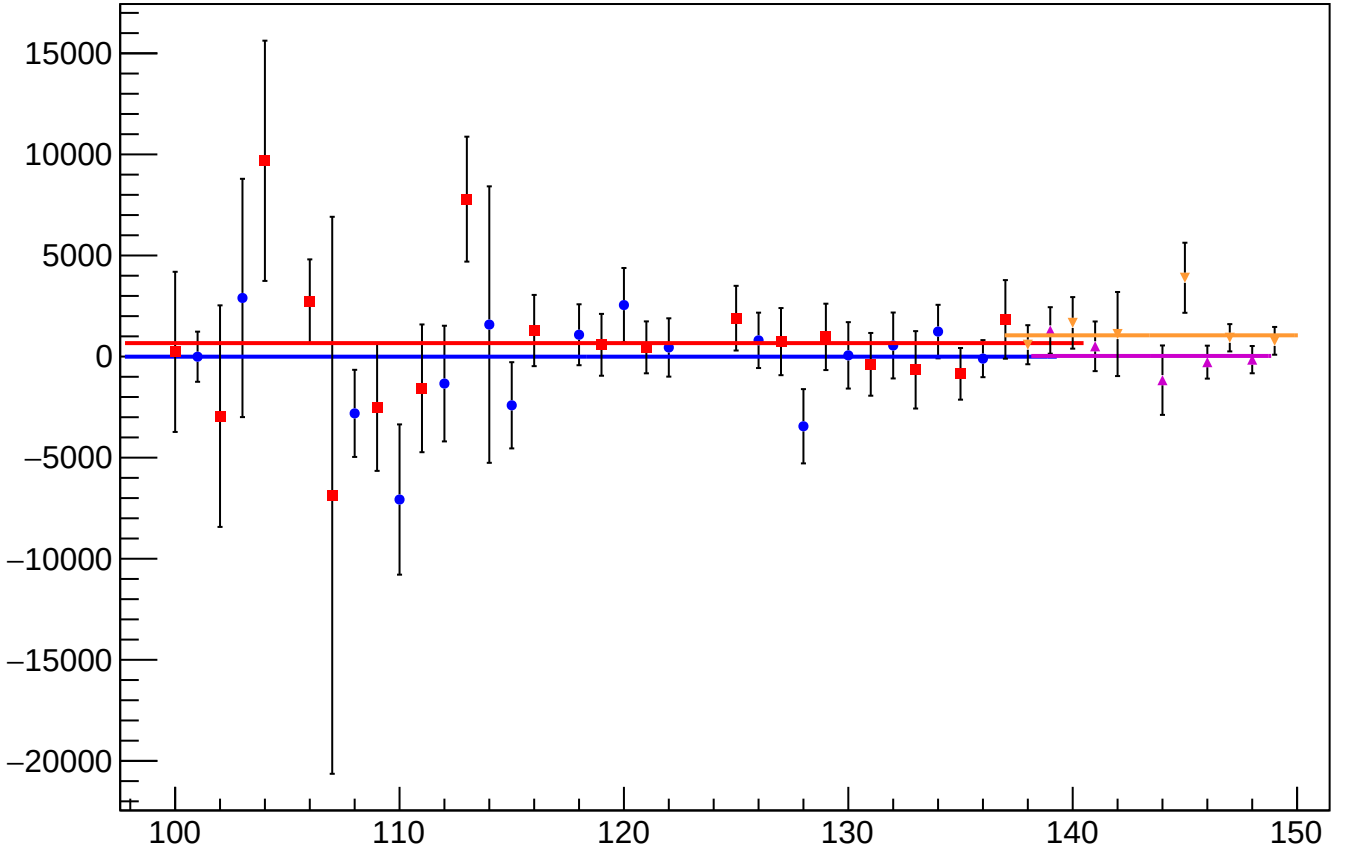
Left In: 2385.825+/-0.807 χ^2/NDF:432.6/4

+ sign 2494.156+/-0.517 χ^2/NDF: 258443.8/21

All: 2523.086+/-0.371 χ^2/NDF: 762157.4/44

- 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: 1051.295+/-390.362 χ^2/NDF:3.4/5

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

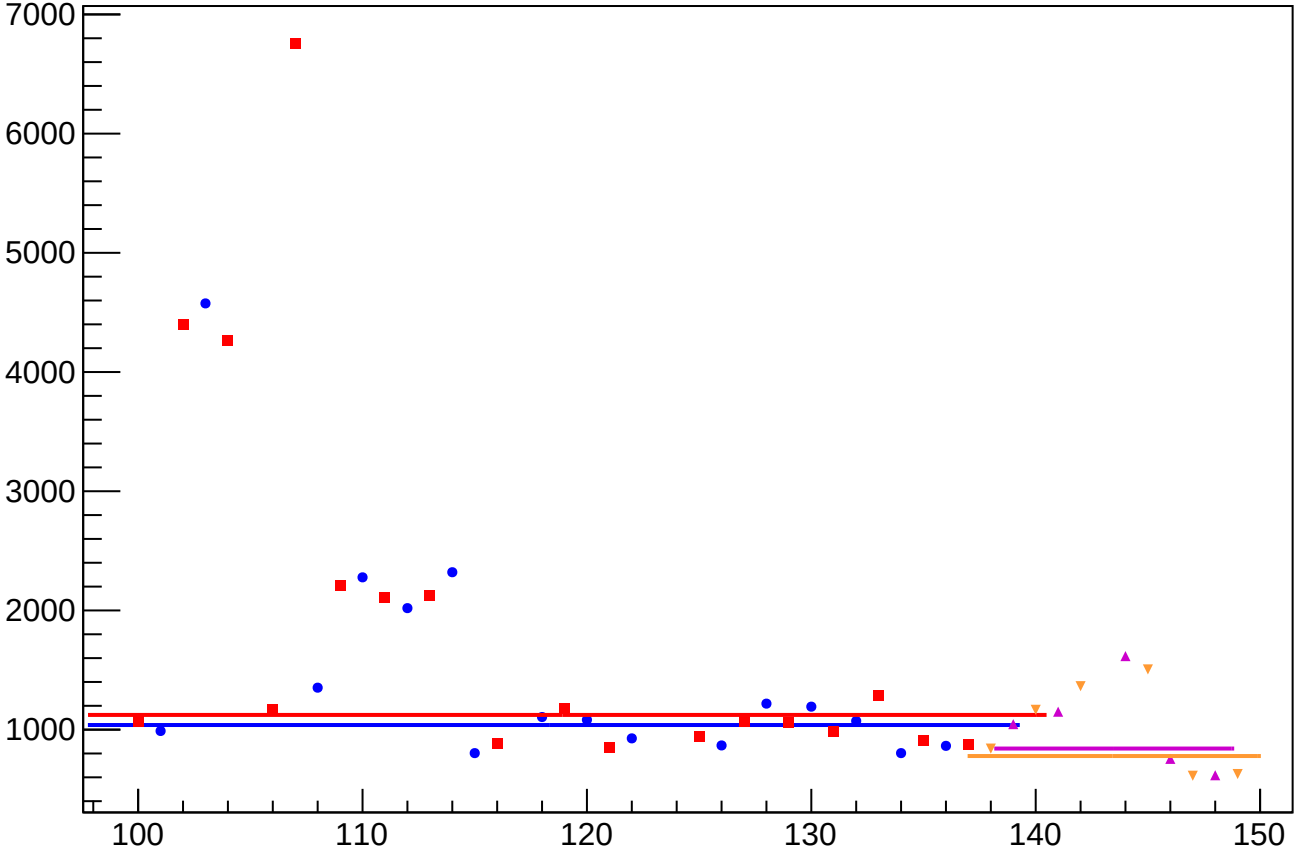
Left In: 30.899+/-427.802 χ^2/NDF:2.1/4

+ sign 551.849+/-283.449 χ^2/NDF: 21.3/21

All: 449.822+/-210.231 χ^2/NDF: 39.1/44

- 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: 778.599+/-0.276 χ^2/NDF:919946.5/5

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

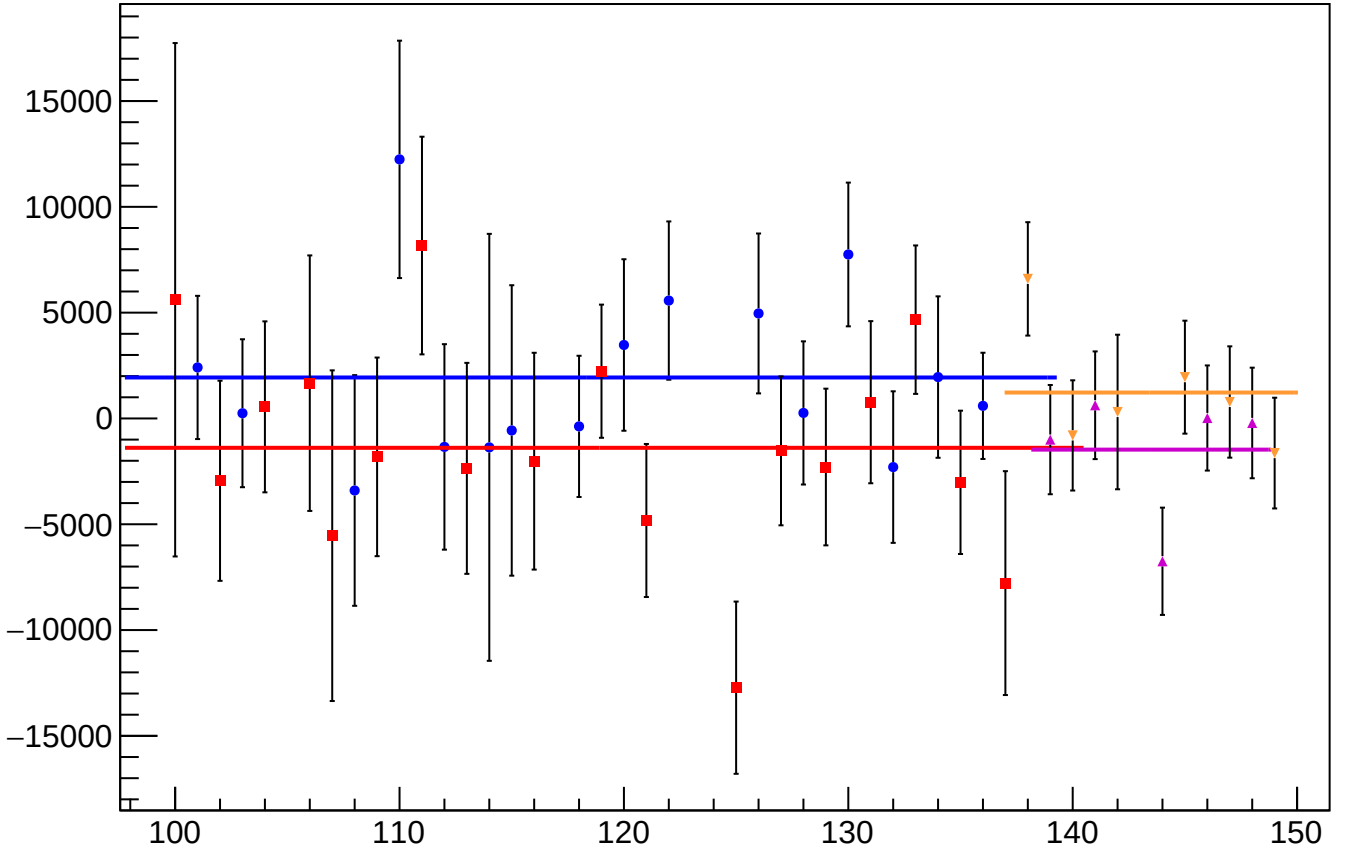
Left In: 841.439+/-0.303 χ^2/NDF:841360.8/4

+ sign 901.611+/-0.200 χ^2/NDF: 2879779.2/21

All: 933.317+/-0.149 χ^2/NDF: 6714941.1/44

- 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: 1224.322+/-1123.239 χ^2/NDF:6.0/5

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 1634.741+/-730.795 χ^2/NDF: 18.6/21

All: 156.267+/-525.365 χ^2/NDF: 52.4/44

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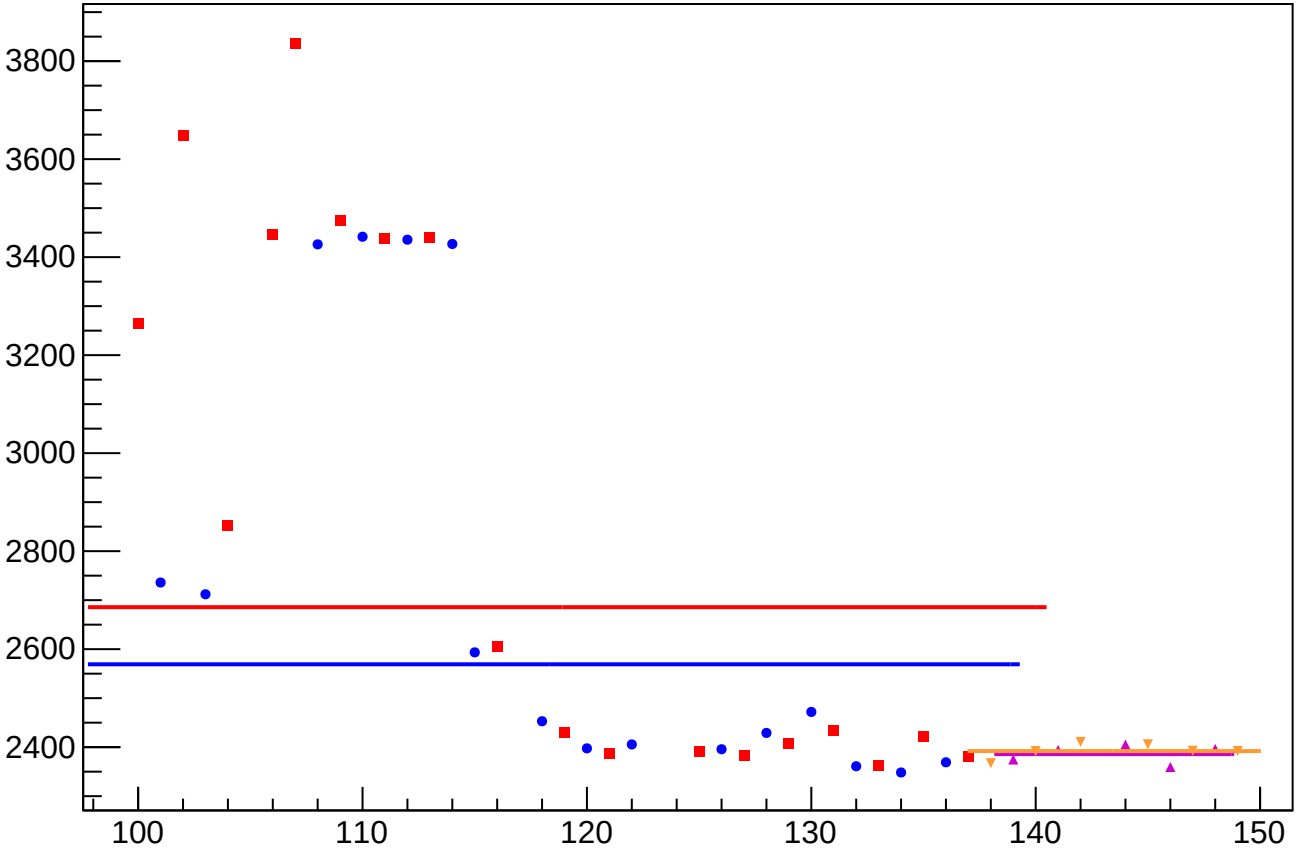
eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2392.011+/-0.794 χ^2/NDF:277.0/5

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

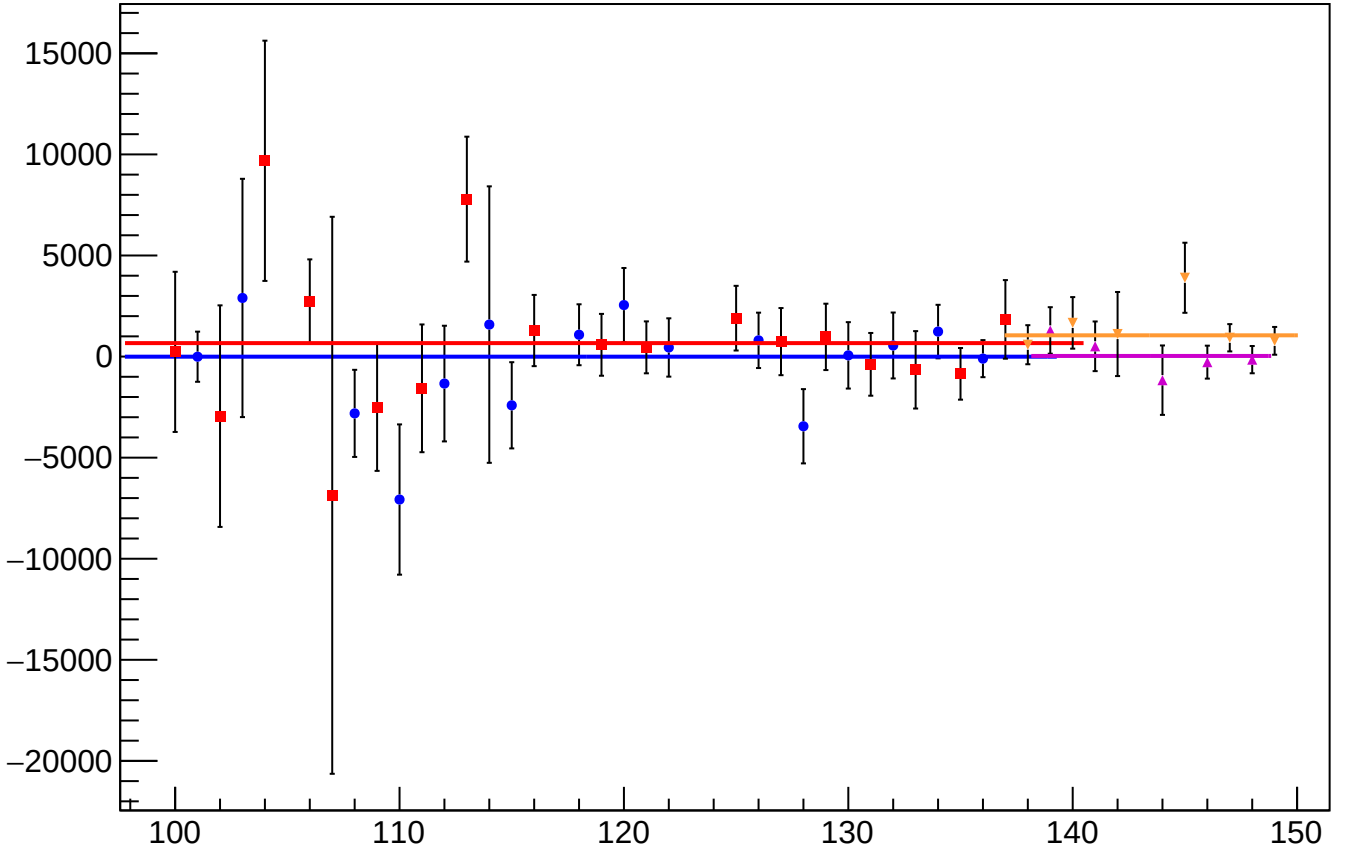
Left In: 2385.825+/-0.807 χ^2/NDF:432.6/4

+ sign 2494.155+/-0.517 χ^2/NDF: 258443.4/21

All: 2523.085+/-0.371 χ^2/NDF: 762156.3/44

- sign 2554.029+/-0.534 χ^2/NDF: 497226.2/22

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 1051.297+/-390.363 χ^2/NDF:3.4/5

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

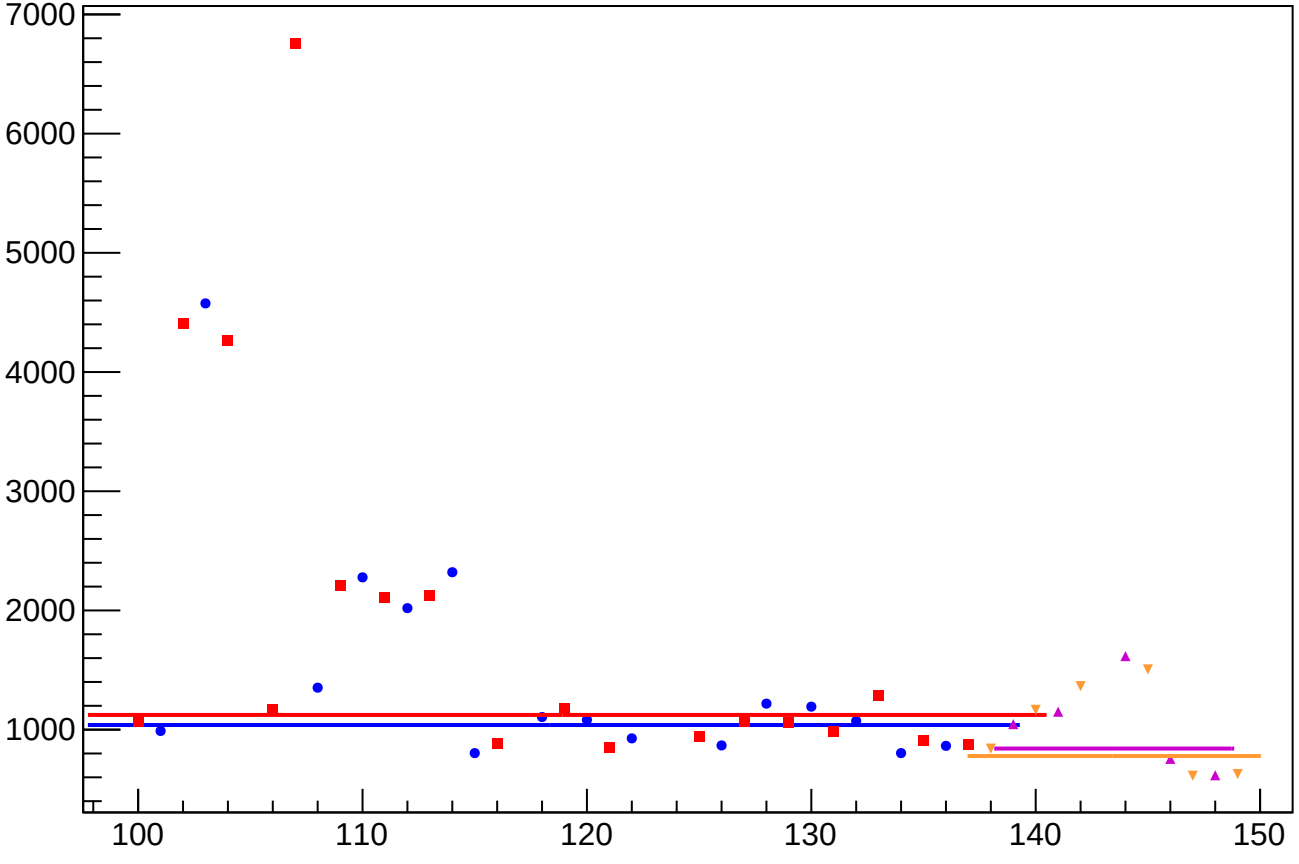
Left In: 30.900+/-427.803 χ^2/NDF:2.1/4

+ sign 551.848+/-283.449 χ^2/NDF: 21.3/21

All: 449.822+/-210.231 χ^2/NDF: 39.1/44

- 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: 778.601+/-0.276 χ^2/NDF:919943.8/5

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

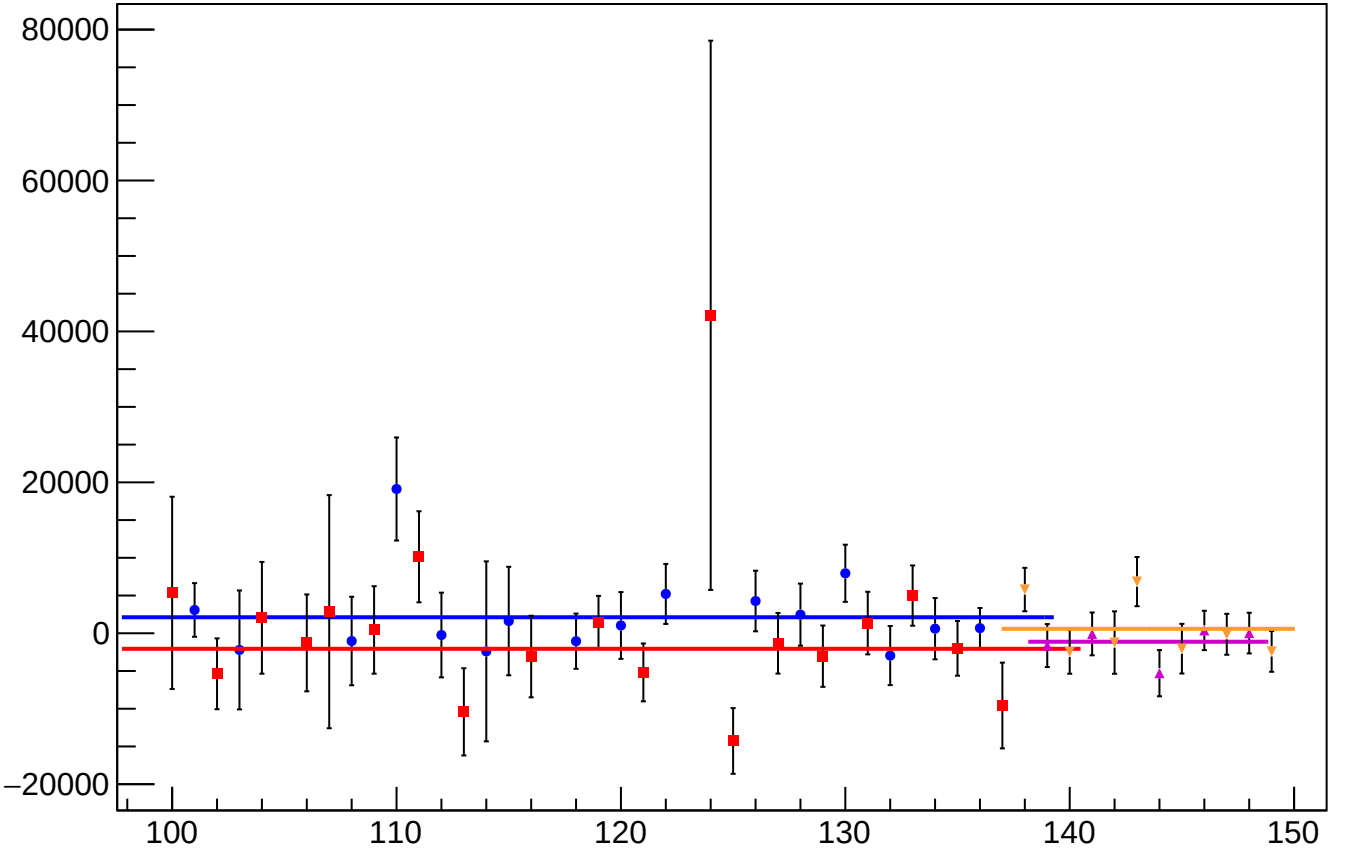
Left In: 841.440+/-0.303 χ^2/NDF:841359.0/4

+ sign 901.612+/-0.200 χ^2/NDF: 2879767.6/21

All: 933.318+/-0.149 χ^2/NDF: 6714921.0/44

- 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: 586.805+/-1148.885 χ^2/NDF:10.2/6

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

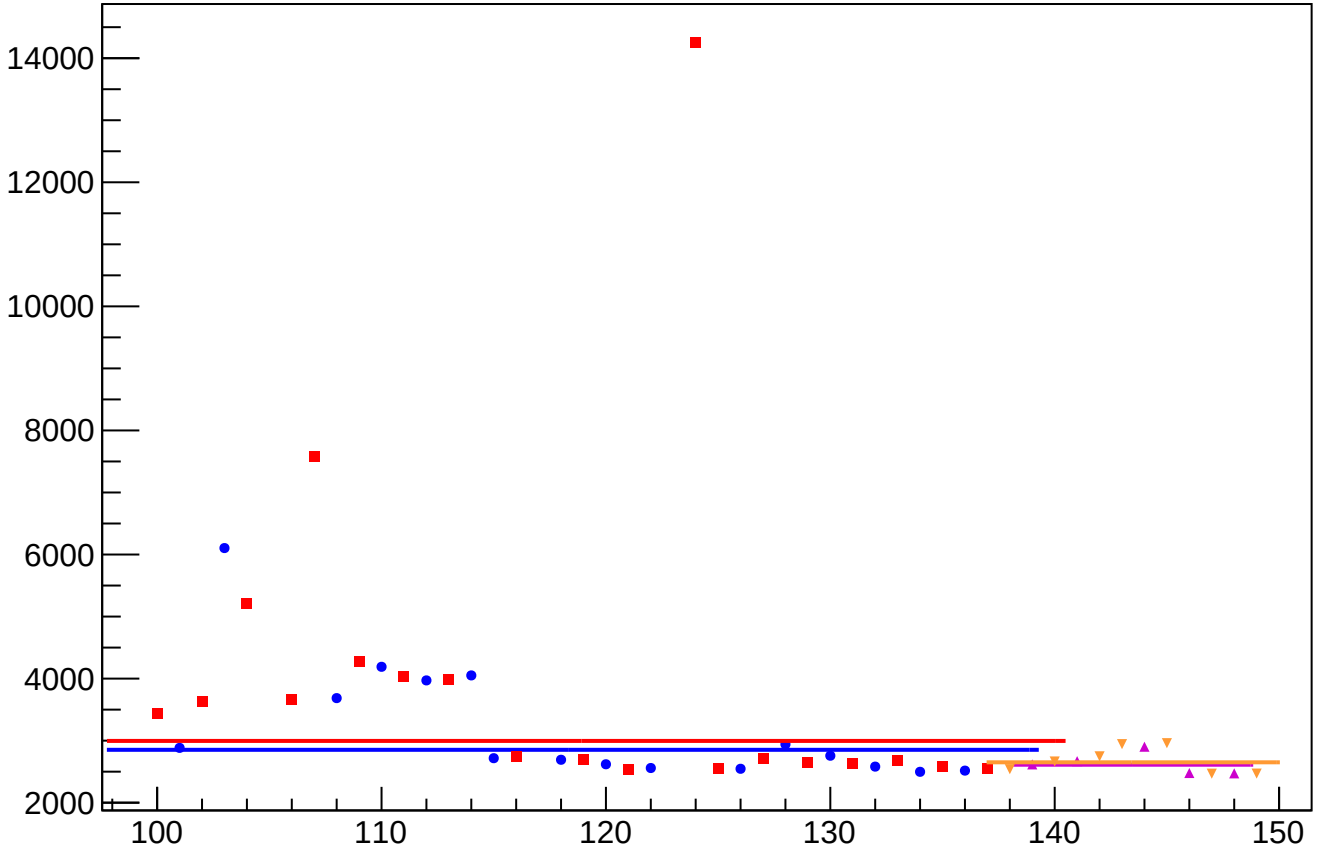
Left In: -1124.578+/-1251.501 χ^2/NDF:2.5/4

+ sign 1398.477+/-788.714 χ^2/NDF: 24.5/22

All: -21.100+/-575.454 χ^2/NDF: 58.6/46

- 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: 2650.779+/-0.812 χ^2/NDF:55968.7/6

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

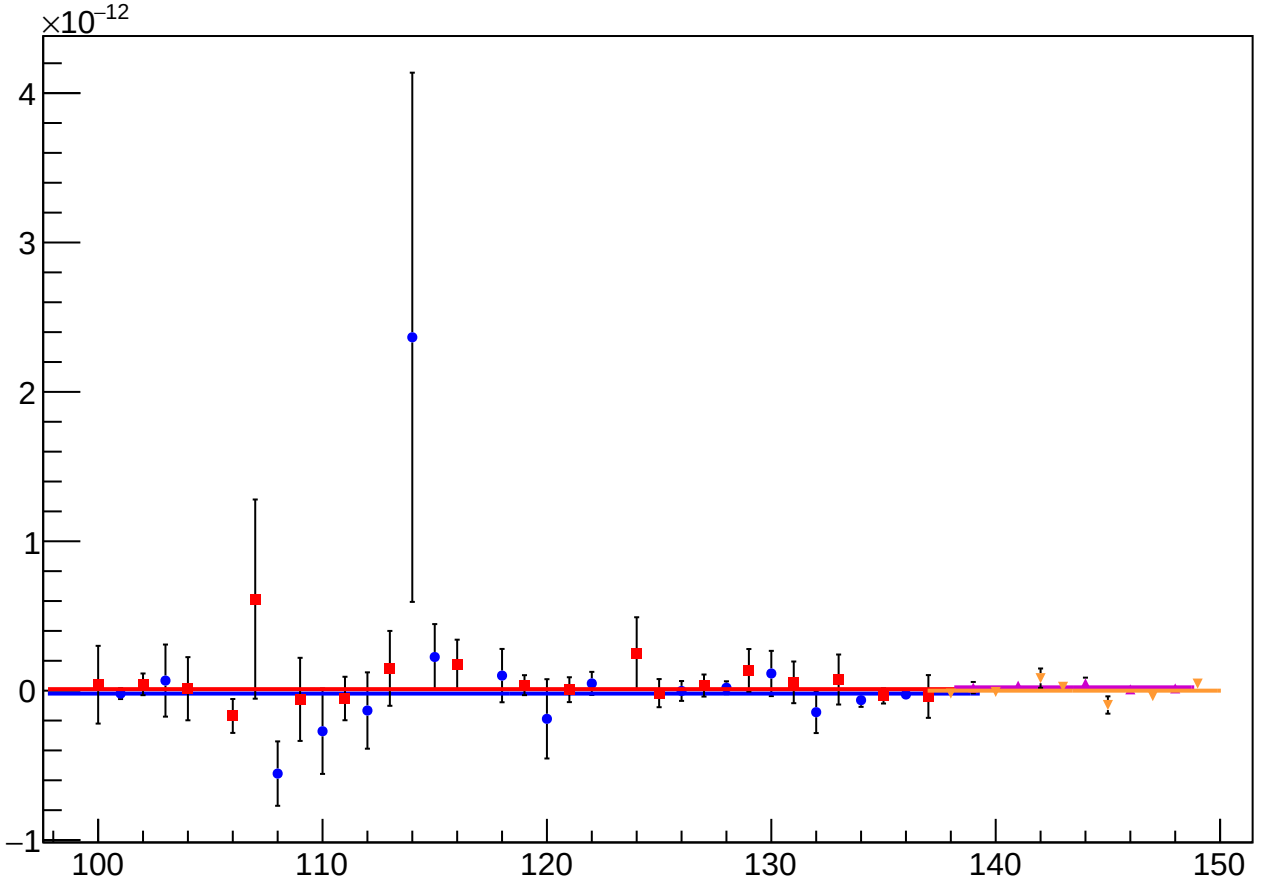
Left In: 2612.012+/-0.885 χ^2/NDF:29360.7/4

+ sign 2757.276+/-0.558 χ^2/NDF: 737187.4/22

All: 2787.612+/-0.407 χ^2/NDF: 1854949.5/46

- 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:12.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

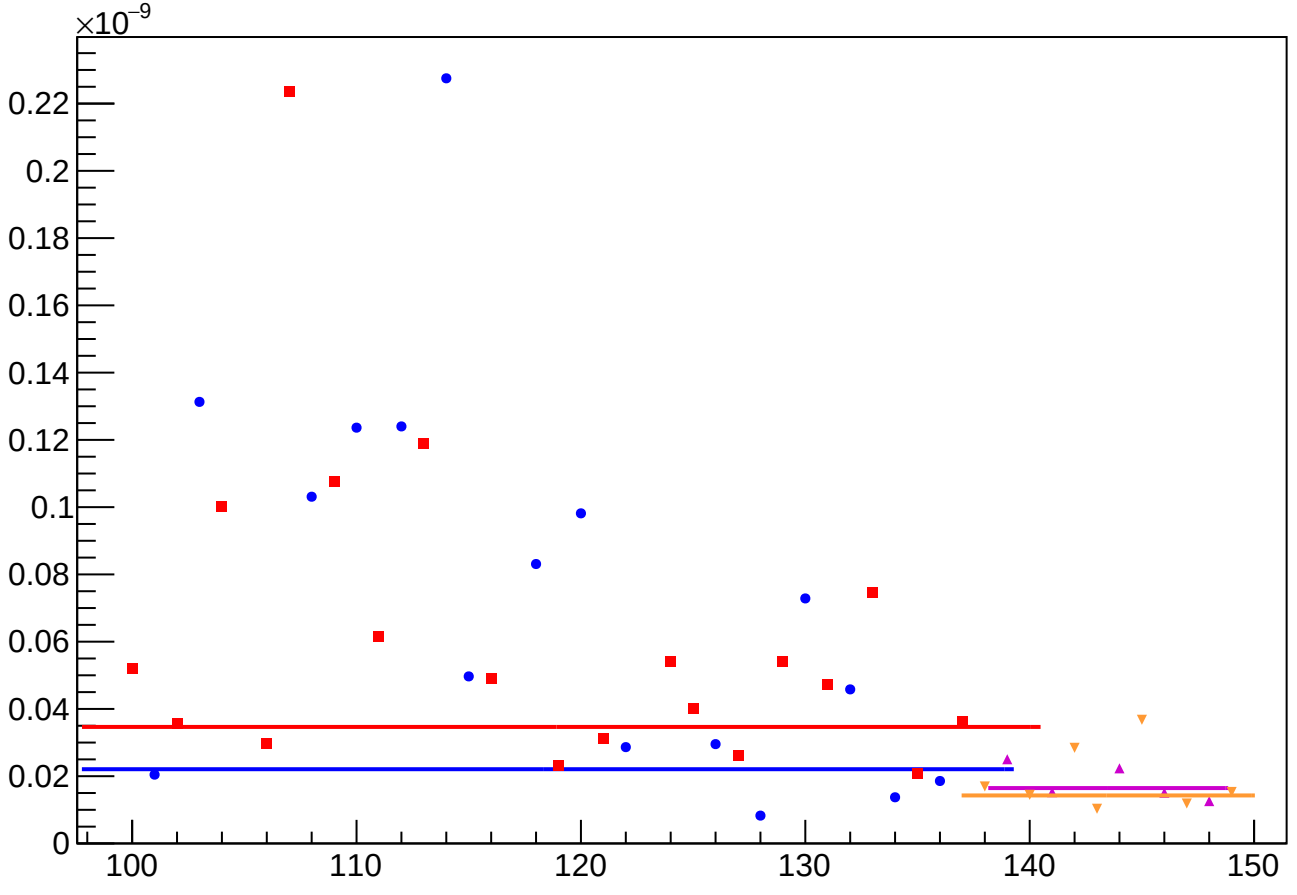
Left In: 0.000+/-0.000 χ^2/NDF:1.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 28.7/22

All: 0.000+/-0.000 χ^2/NDF: 41.0/46

- 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:526930.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

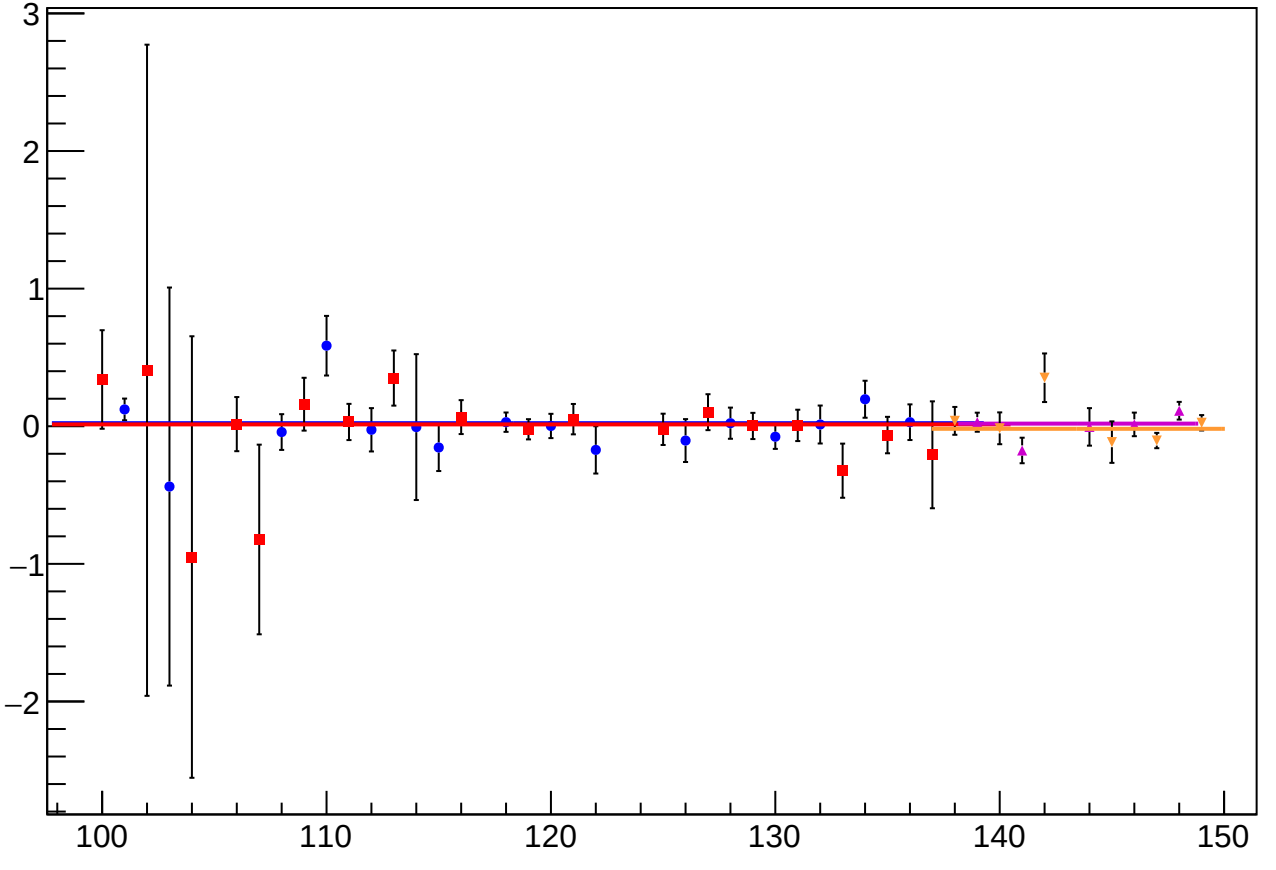
Left In: 0.000+/-0.000 χ^2/NDF:214221.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 3175121.9/22

All: 0.000+/-0.000 χ^2/NDF: 5656724.2/46

- 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: -0.019+/-0.034 χ^2/NDF:8.1/5

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

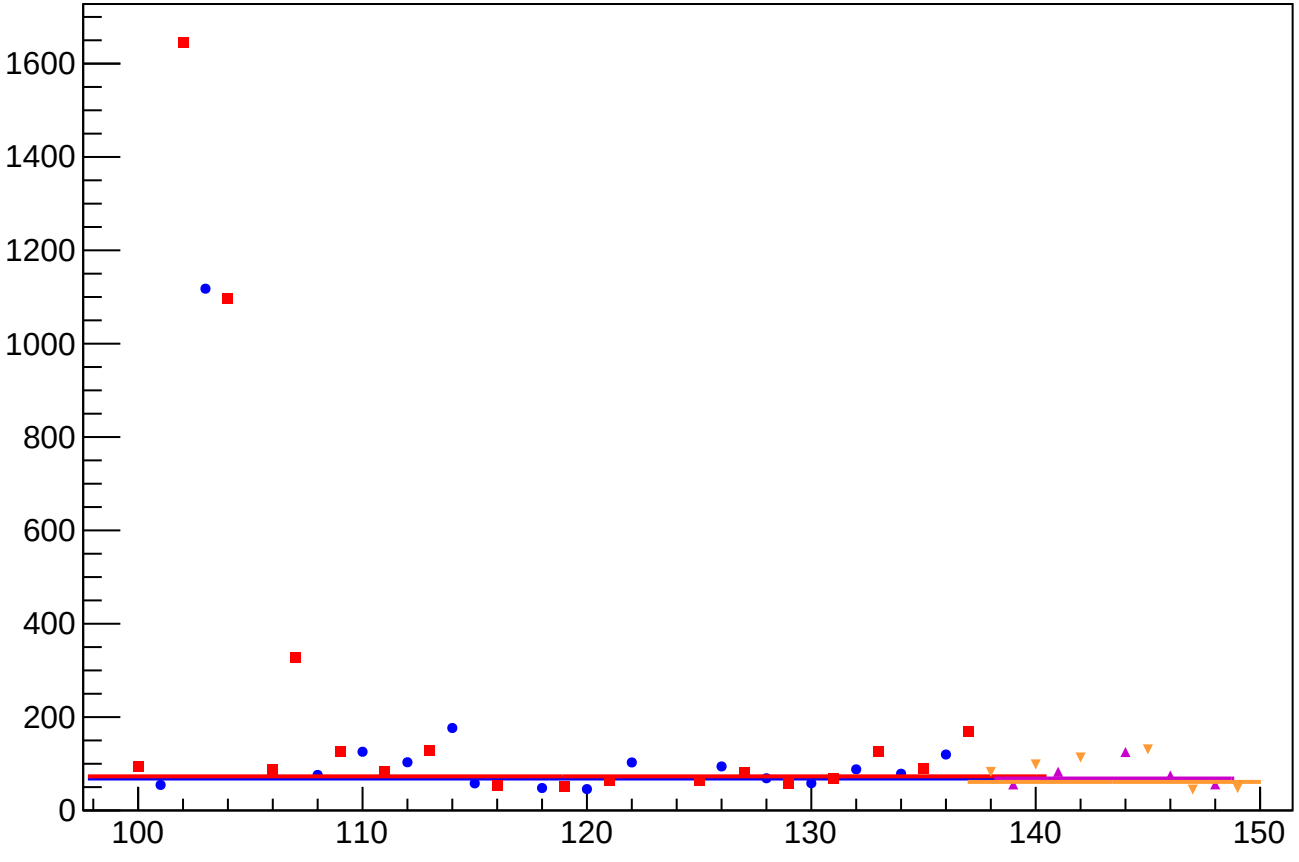
Left In: 0.019+/-0.036 χ^2/NDF:6.6/4

+ sign 0.004+/-0.022 χ^2/NDF: 23.7/21

All: 0.009+/-0.017 χ^2/NDF: 41.3/44

- 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: 61.188+/-0.024 χ^2/NDF:1190910.8/5

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

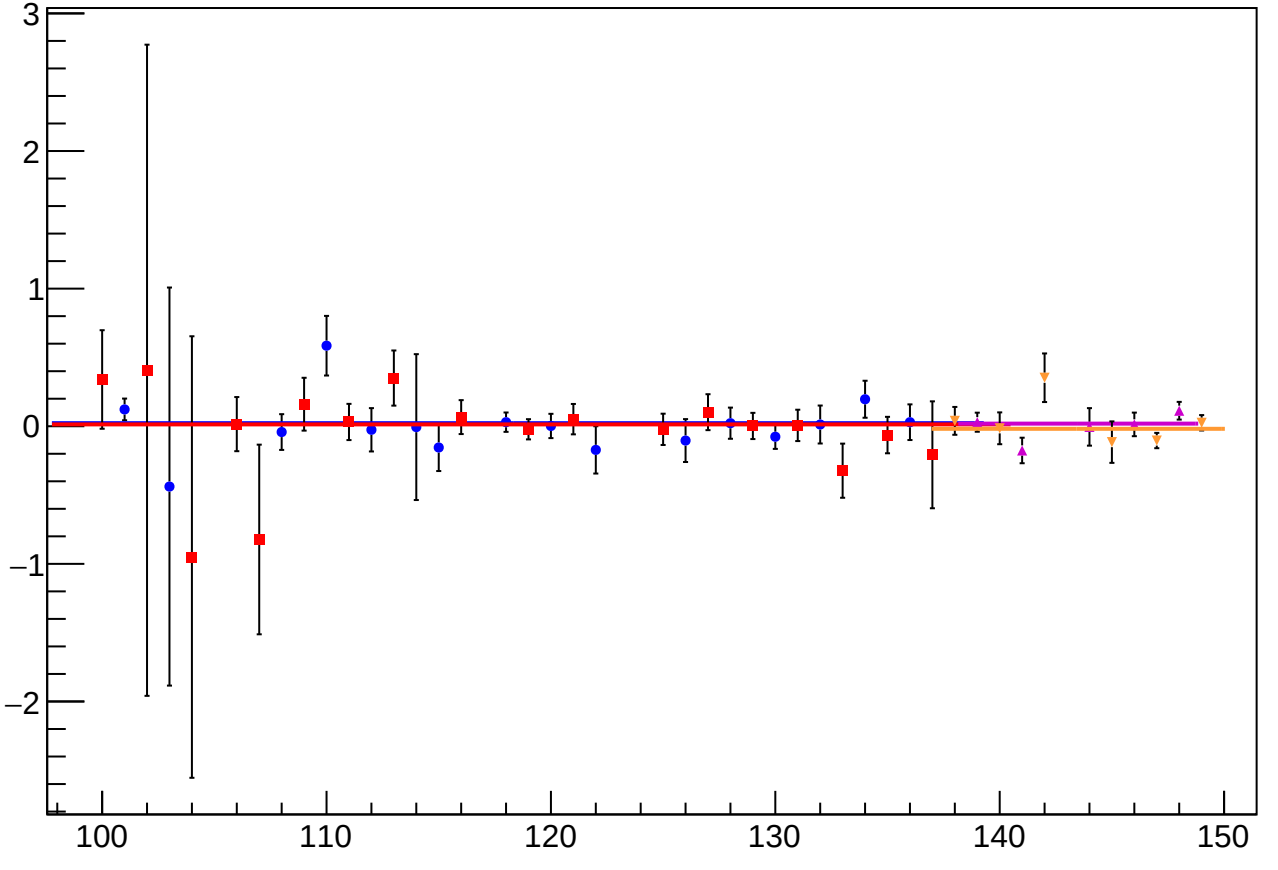
Left In: 68.393+/-0.026 χ^2/NDF:550384.2/4

+ sign 65.189+/-0.016 χ^2/NDF: 3520619.5/21

All: 67.787+/-0.012 χ^2/NDF: 7061429.9/44

- 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: -0.019+/-0.034 χ^2/NDF:8.1/5

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

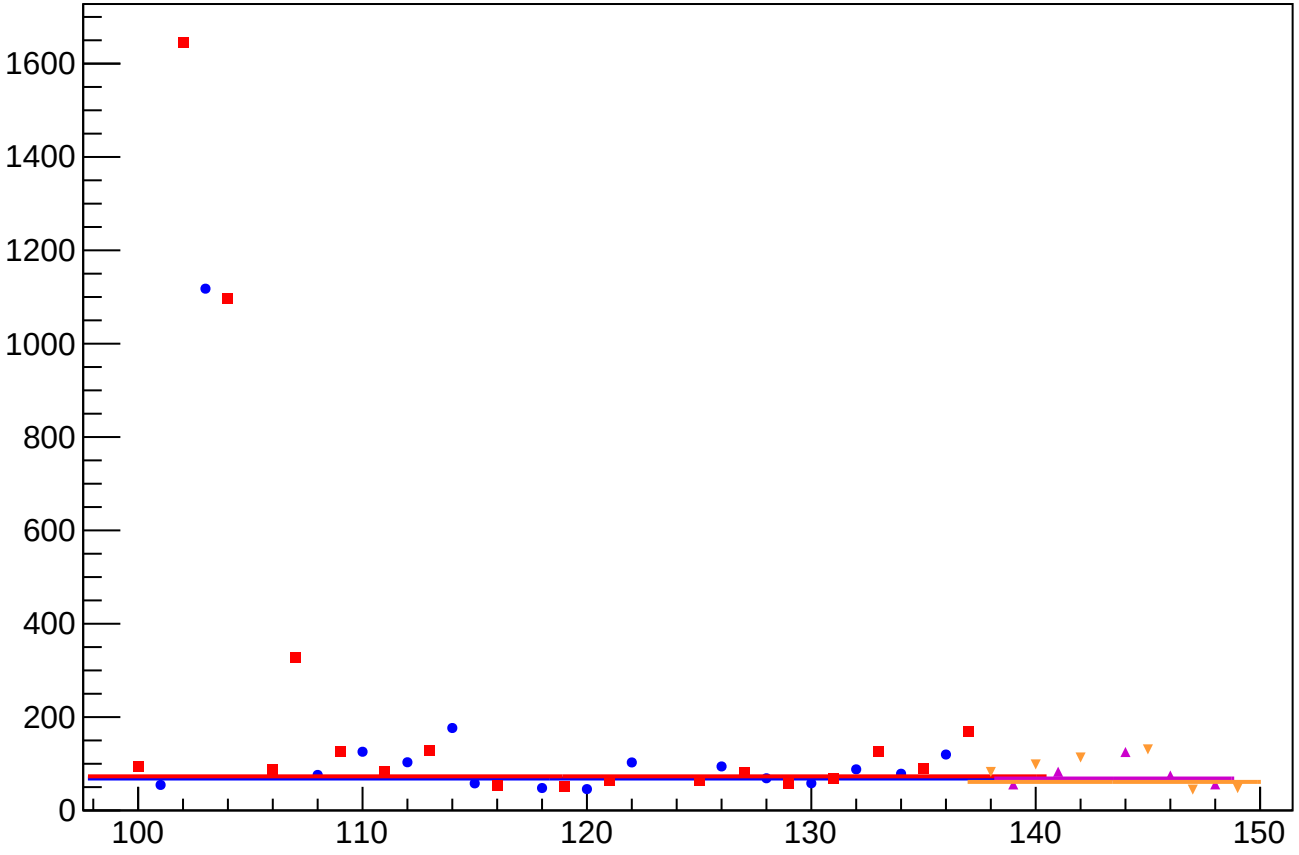
Left In: 0.019+/-0.036 χ^2/NDF:6.6/4

+ sign 0.004+/-0.022 χ^2/NDF: 23.7/21

All: 0.009+/-0.017 χ^2/NDF: 41.3/44

- 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: 61.188+/-0.024 χ^2/NDF:1190910.8/5

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

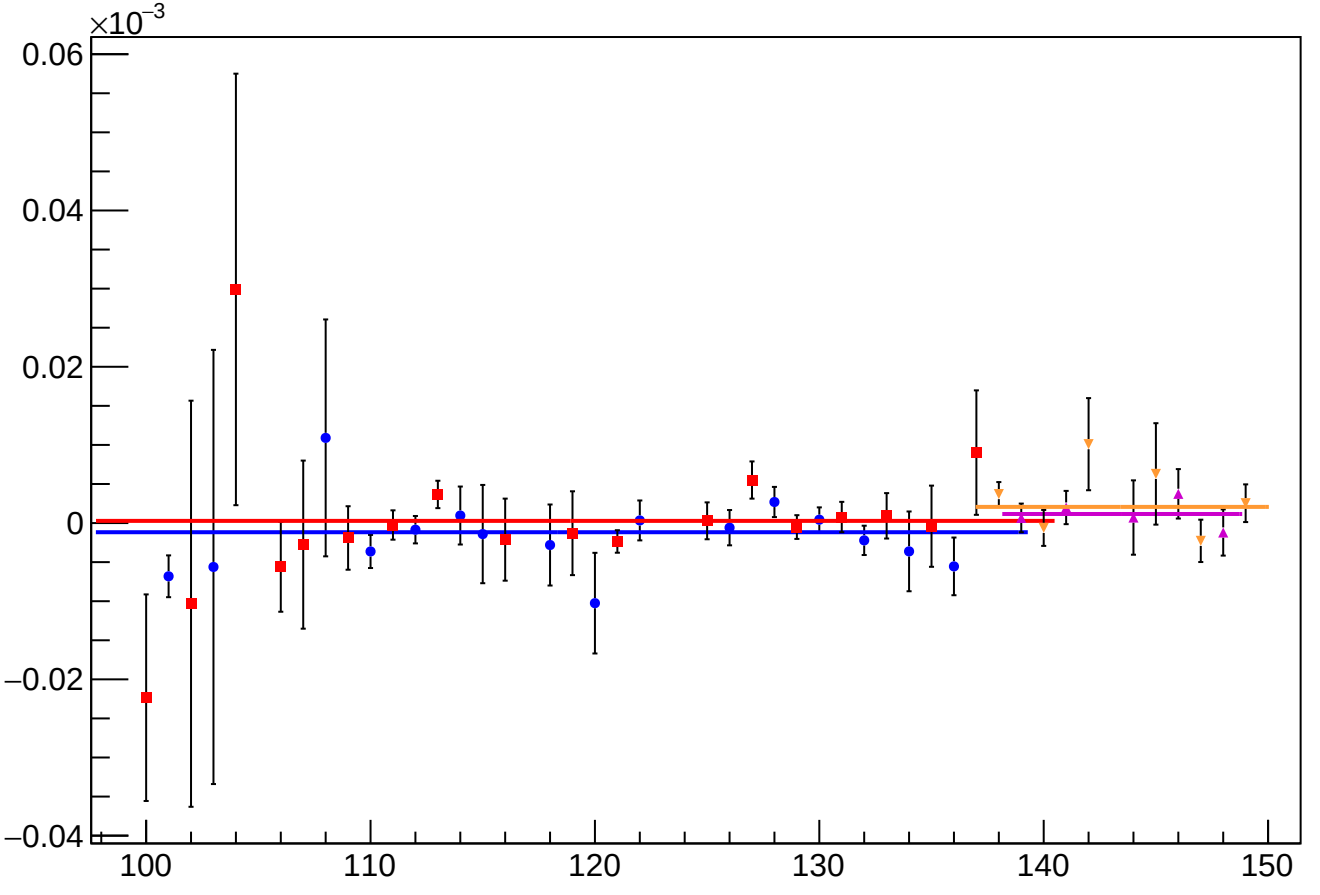
Left In: 68.393+/-0.026 χ^2/NDF:550384.2/4

+ sign 65.189+/-0.016 χ^2/NDF: 3520619.5/21

All: 67.787+/-0.012 χ^2/NDF: 7061429.9/44

- 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:7.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

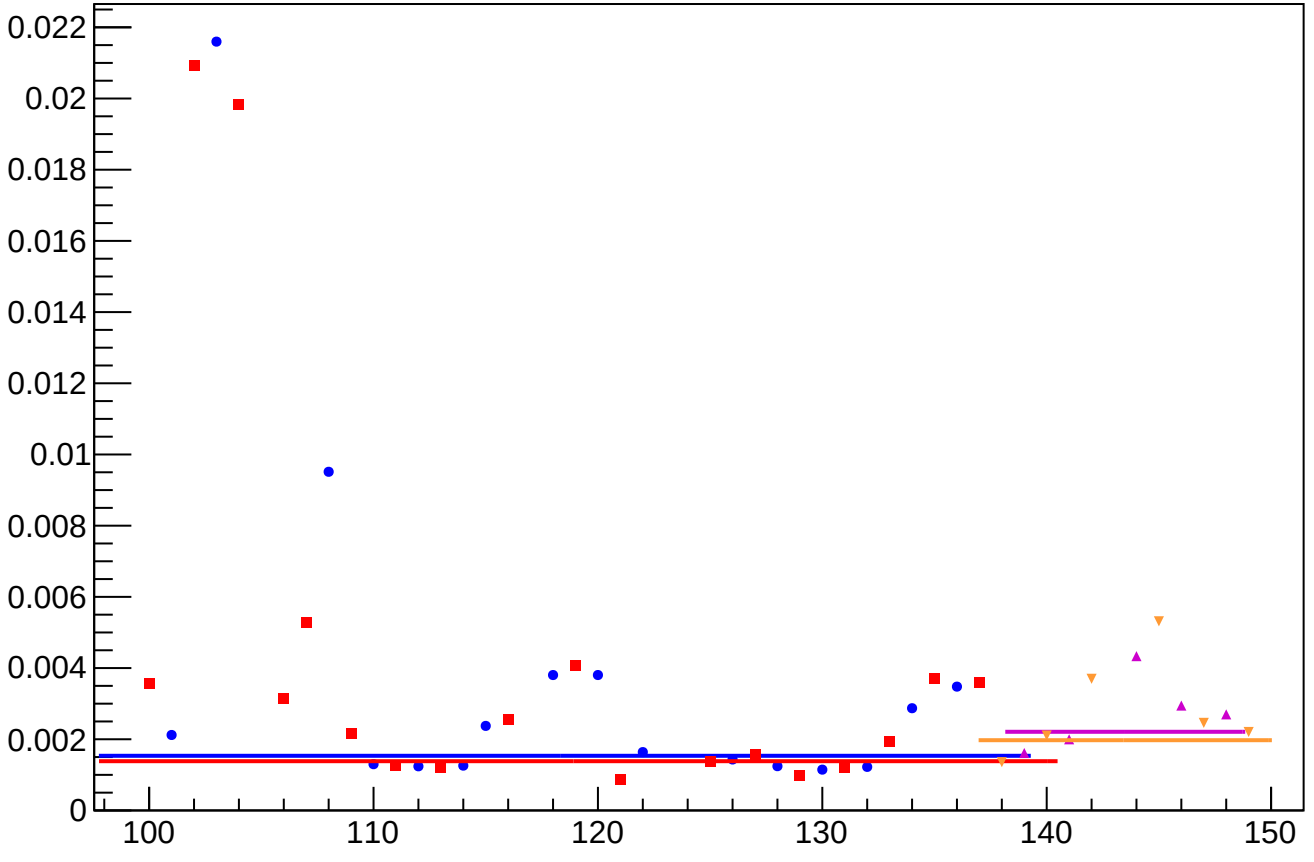
Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 30.8/21

All: 0.000+/-0.000 χ^2/NDF: 53.1/44

- 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:1111041.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

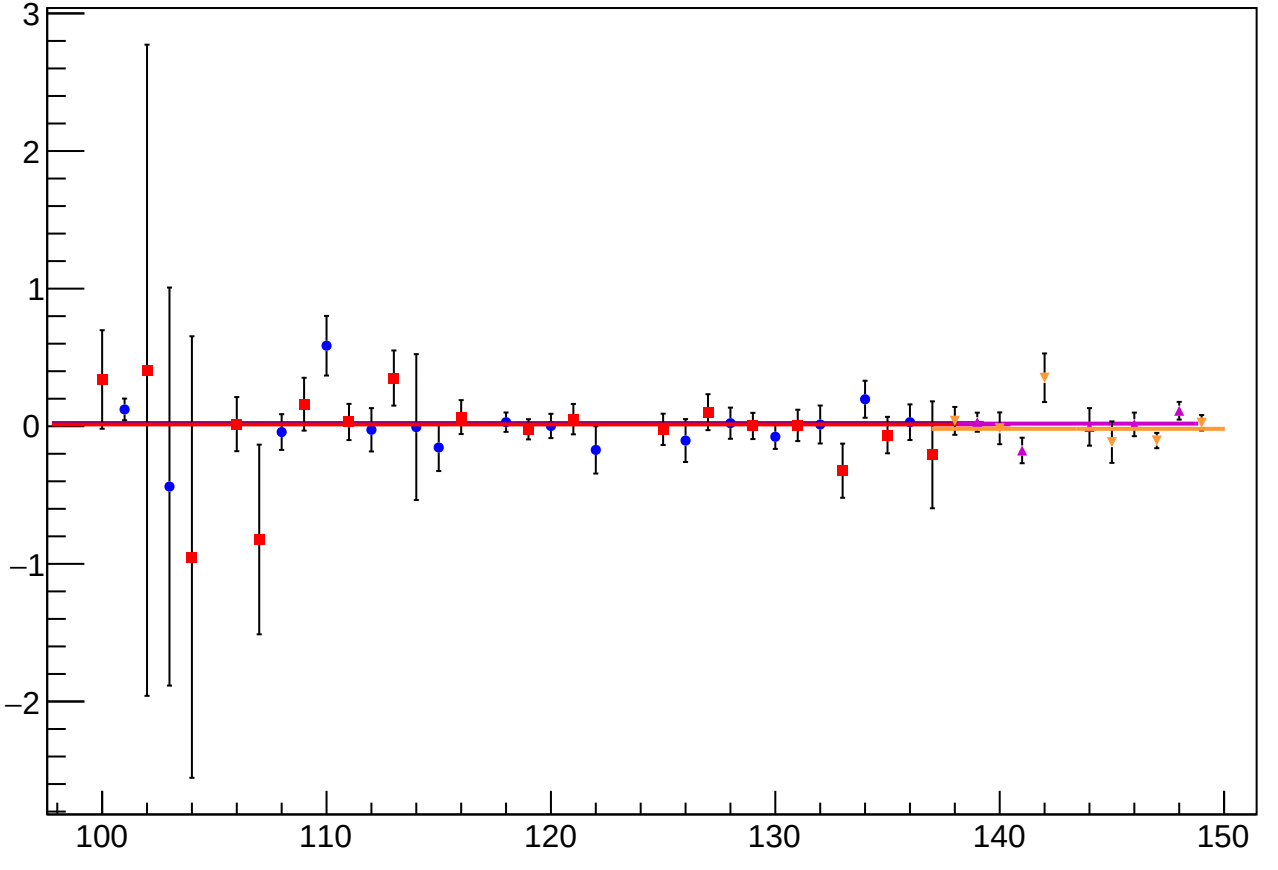
Left In: 0.002+/-0.000 χ^2/NDF:792720.0/4

+ sign 0.002+/-0.000 χ^2/NDF: 4745633.7/21

All: 0.002+/-0.000 χ^2/NDF: 10640225.5/44

- 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: -0.019+/-0.034 χ^2/NDF:8.1/5

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

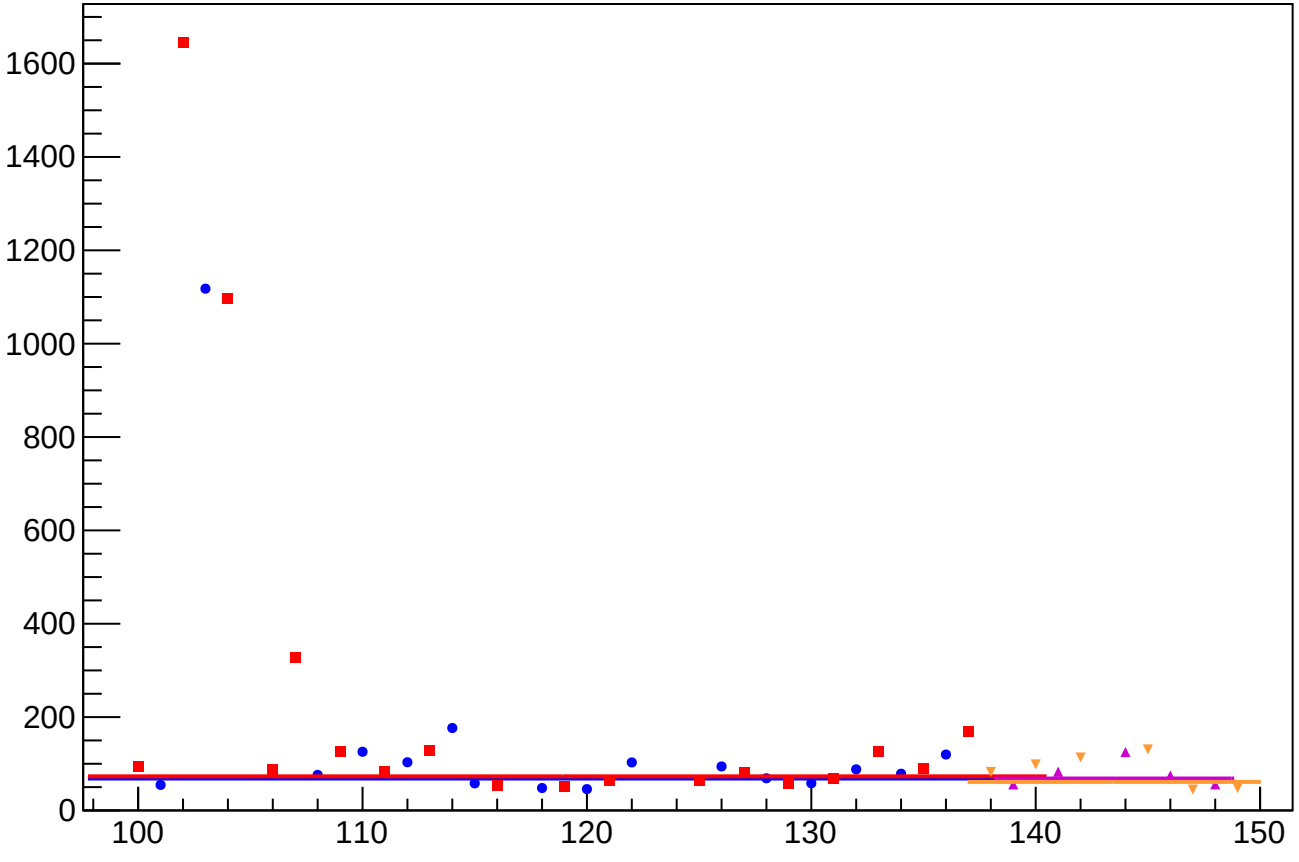
Left In: 0.019+/-0.036 χ^2/NDF:6.6/4

+ sign 0.004+/-0.022 χ^2/NDF: 23.7/21

All: 0.009+/-0.017 χ^2/NDF: 41.3/44

- 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: 61.190+/-0.024 χ^2/NDF:1190821.3/5

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

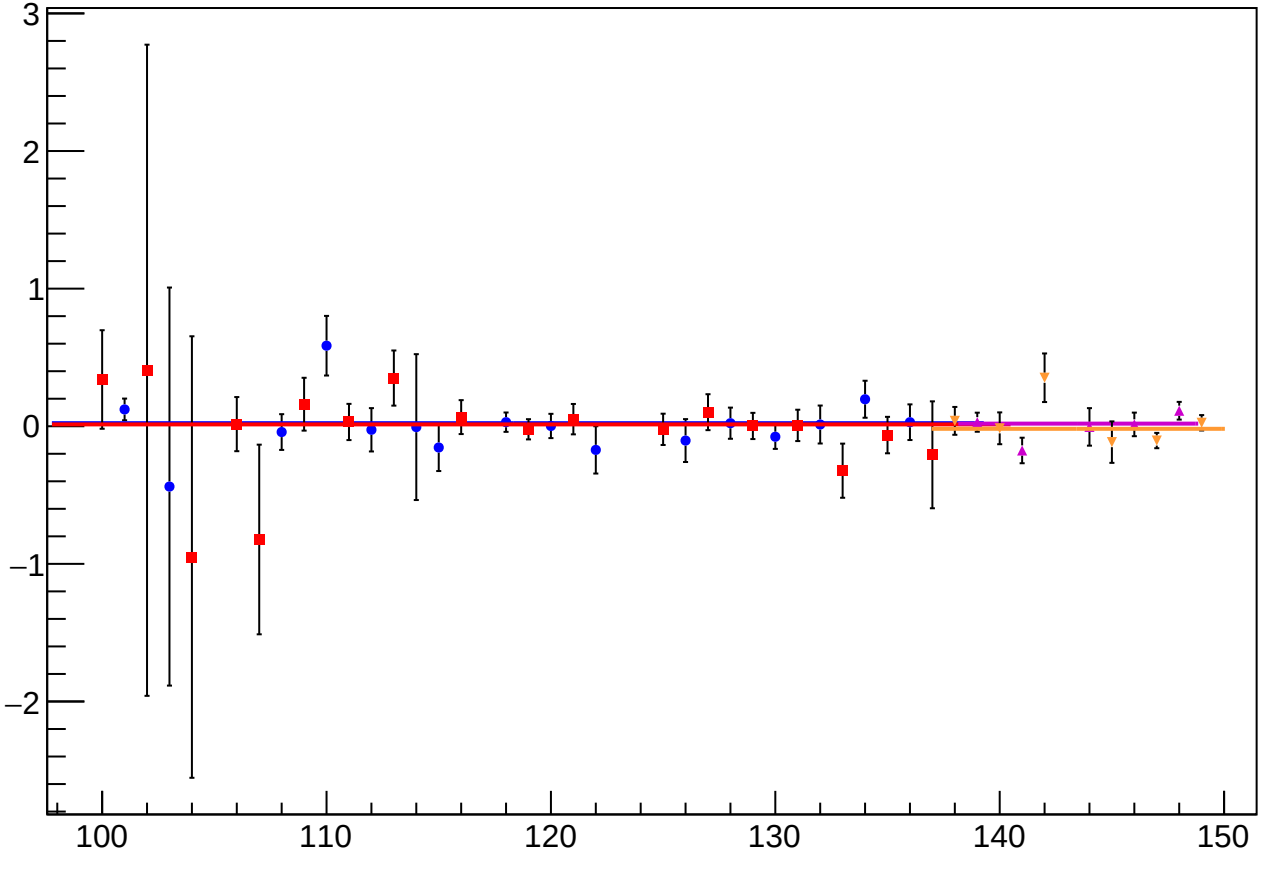
Left In: 68.393+/-0.026 χ^2/NDF:550391.7/4

+ sign 65.189+/-0.016 χ^2/NDF: 3520578.8/21

All: 67.787+/-0.012 χ^2/NDF: 7061396.0/44

- 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: -0.019+/-0.034 χ^2/NDF:8.1/5

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

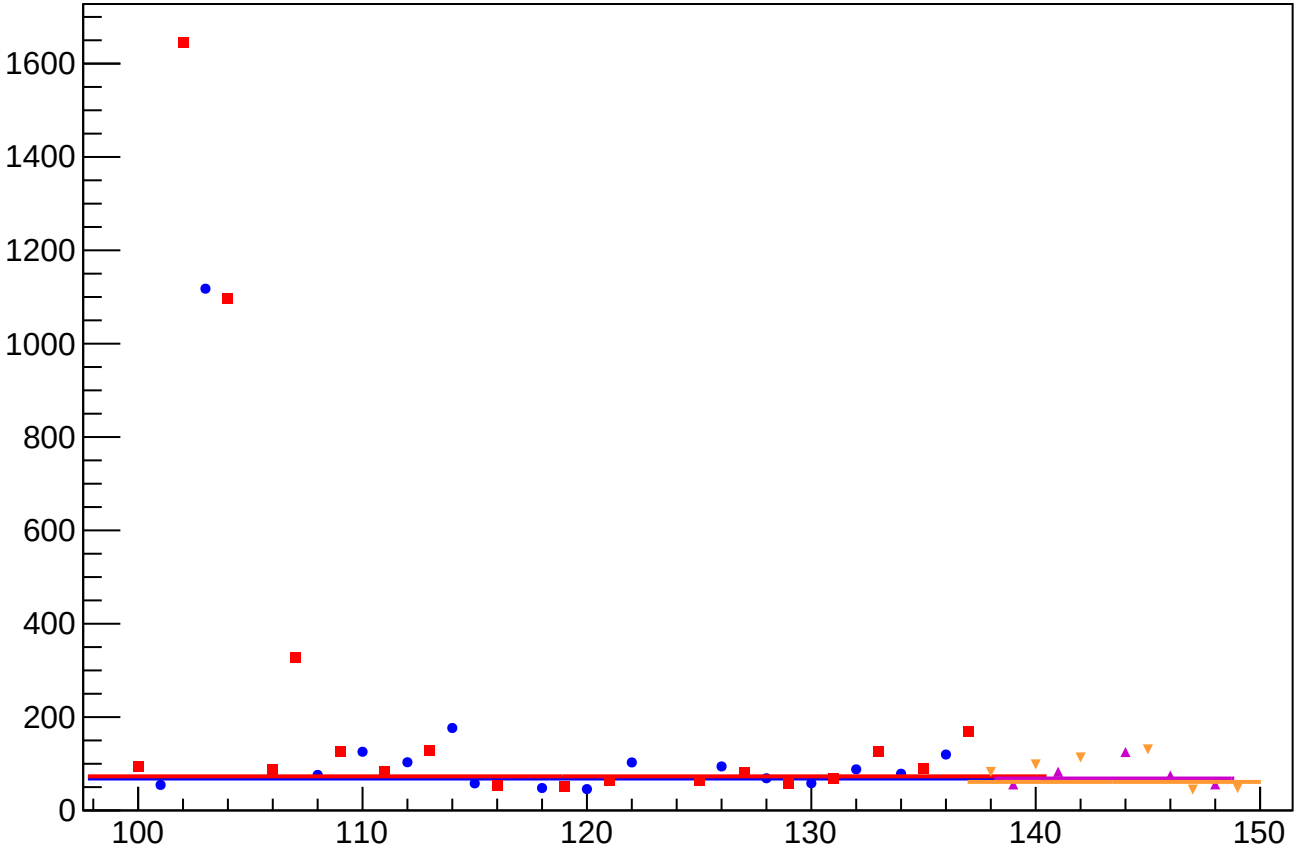
Left In: 0.019+/-0.036 χ^2/NDF:6.6/4

+ sign 0.004+/-0.022 χ^2/NDF: 23.7/21

All: 0.009+/-0.017 χ^2/NDF: 41.3/44

- 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: 61.190+/-0.024 χ^2/NDF:1190821.3/5

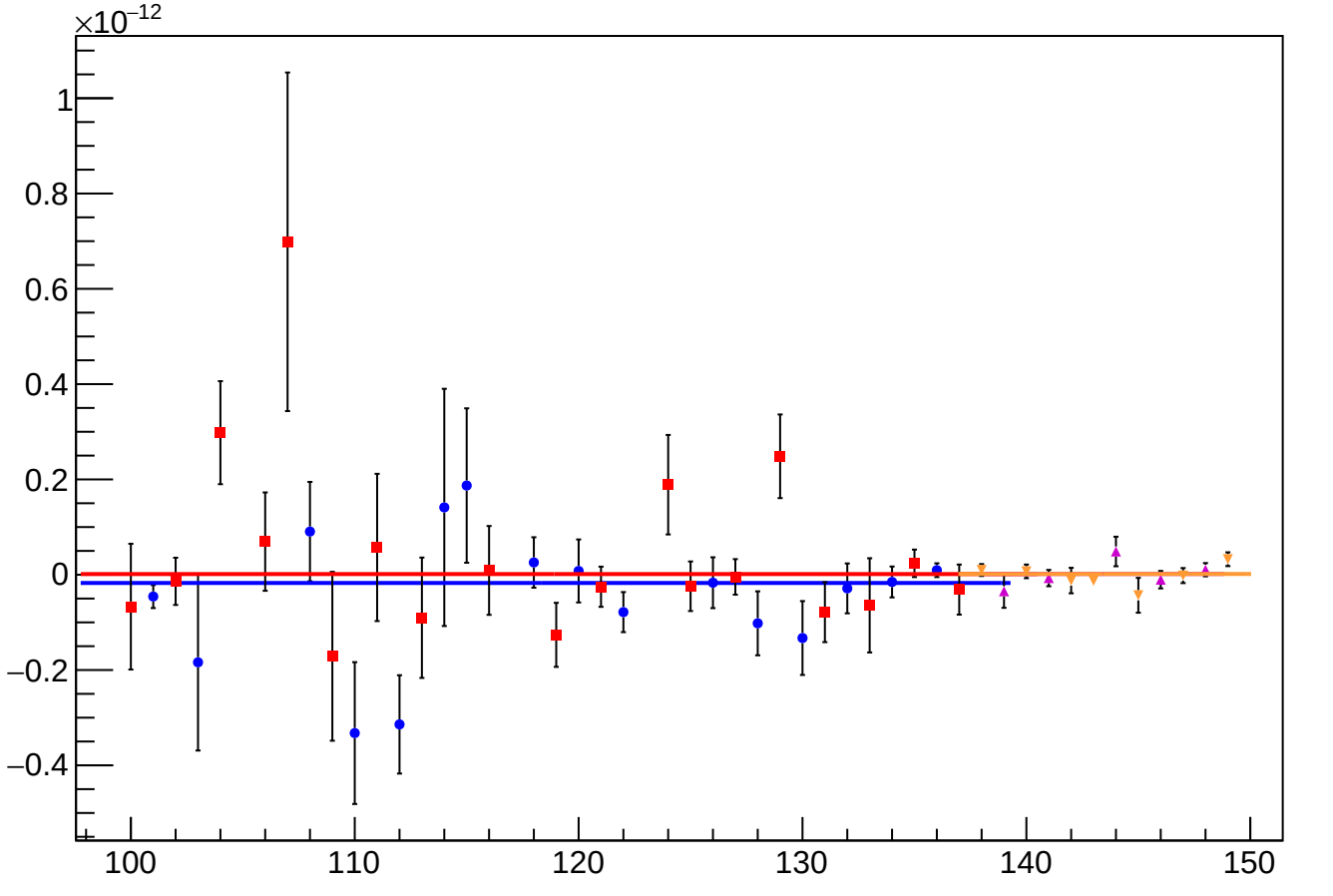
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 68.393+/-0.026 χ^2/NDF:550391.7/4

+ sign 65.189+/-0.016 χ^2/NDF: 3520578.8/21

All: 67.787+/-0.012 χ^2/NDF: 7061396.0/44

- sign 70.925+/-0.017 χ^2/NDF: 3481475.7/22



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/6

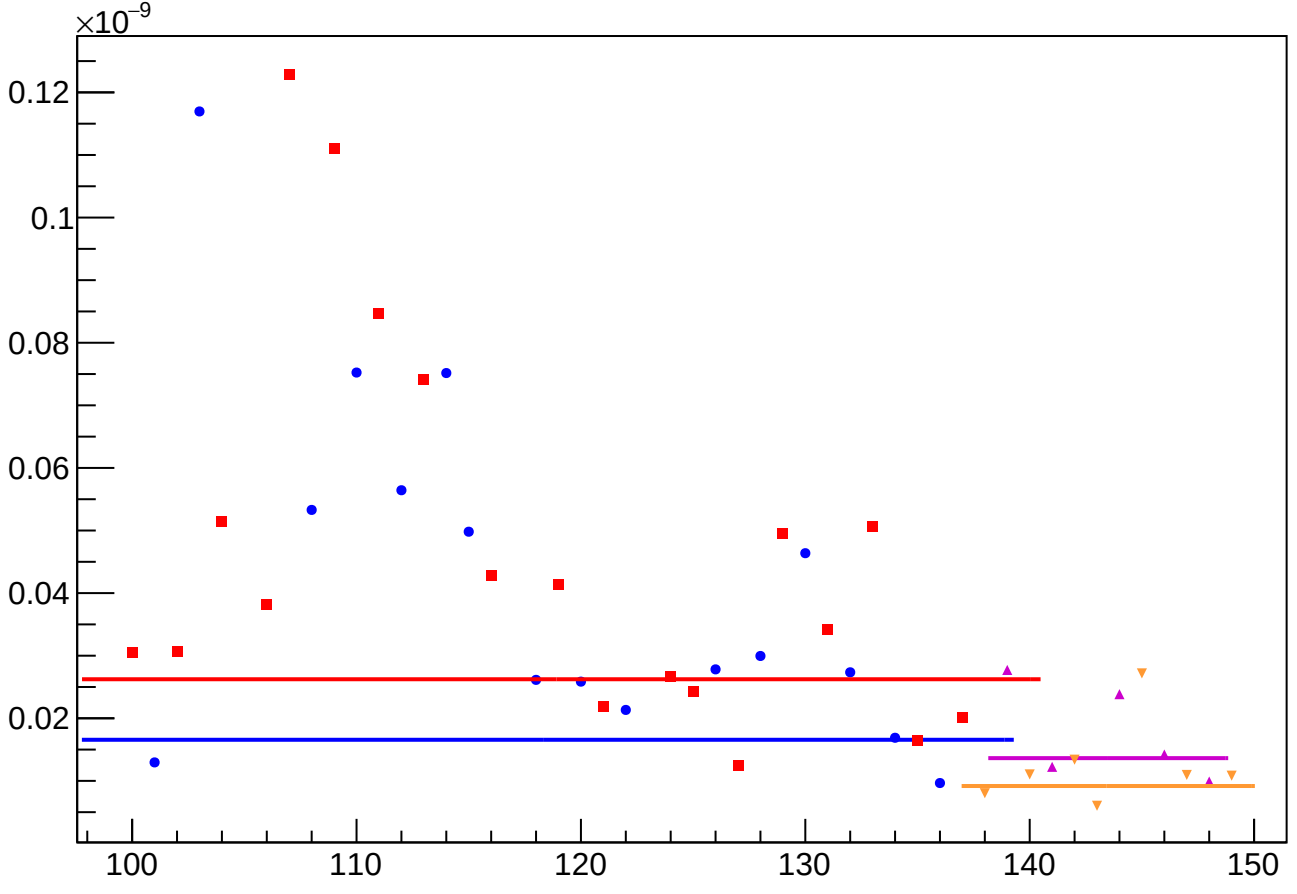
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 40.3/22

All: -0.000+/-0.000 χ^2/NDF: 77.3/46

- 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:863263.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

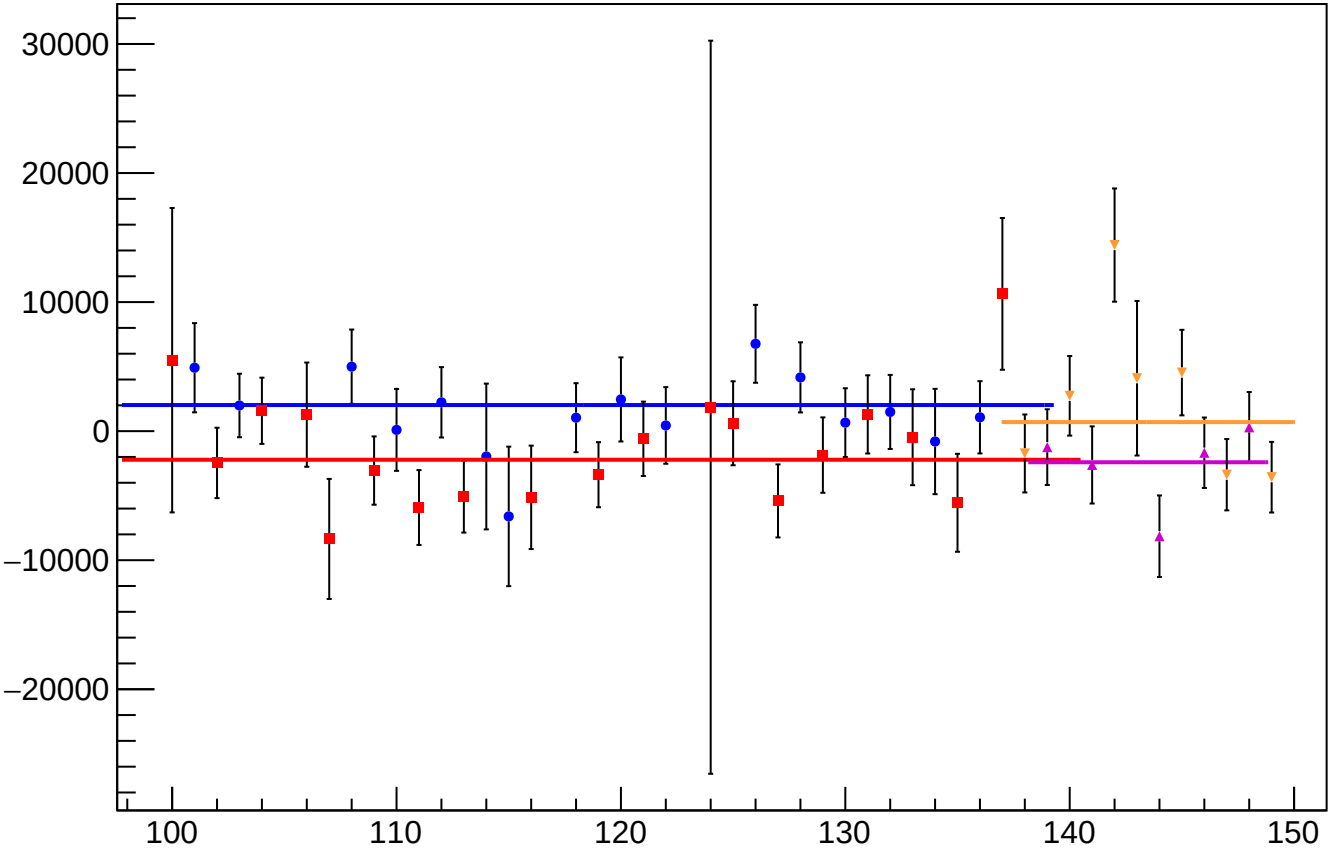
Left In: 0.000+/-0.000 χ^2/NDF:703551.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 4530077.3/22

All: 0.000+/-0.000 χ^2/NDF: 9698208.9/46

- 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: 702.148+/-1240.077 χ^2/NDF:17.1/6

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

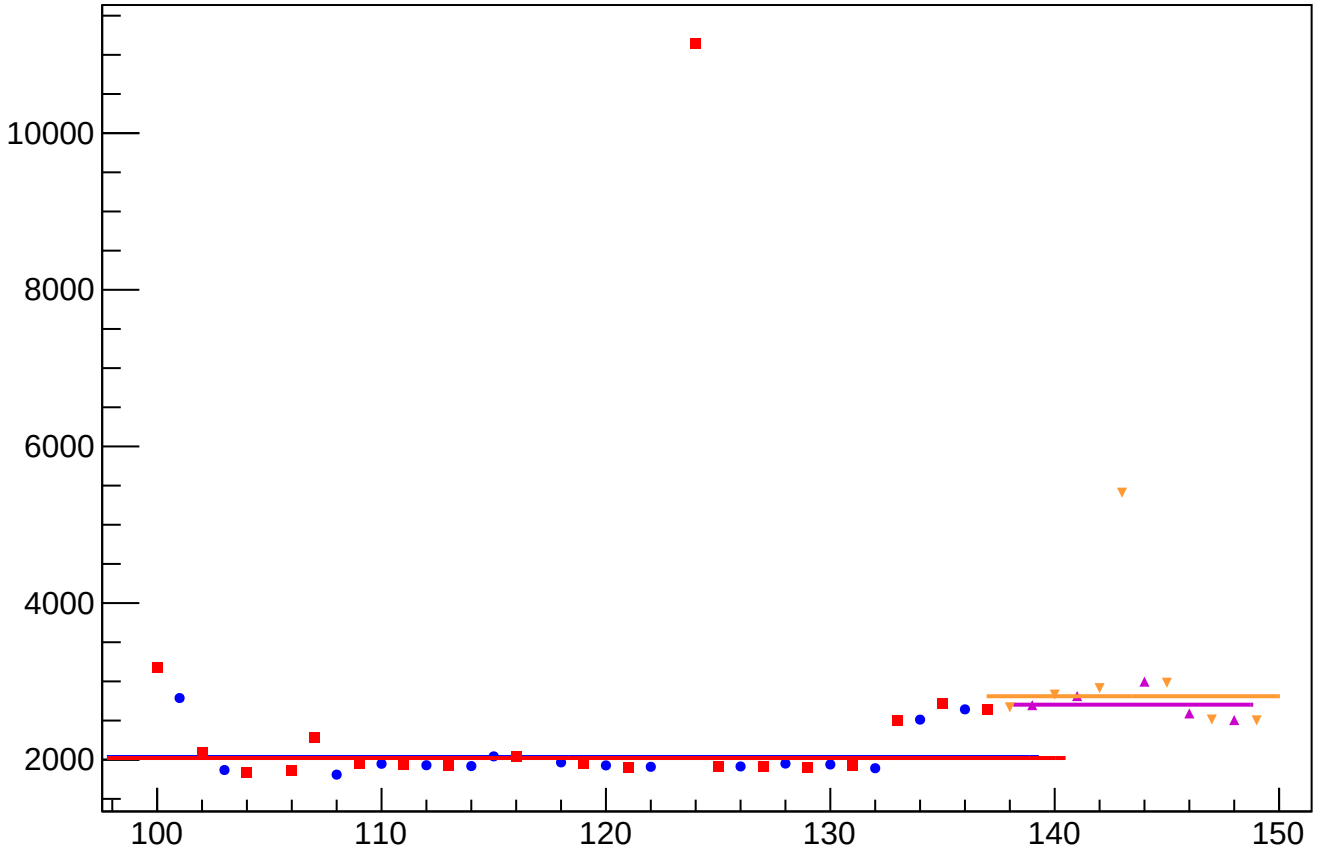
Left In: -2410.775+/-1295.050 χ^2/NDF:4.5/4

+ sign 1659.116+/-650.682 χ^2/NDF: 27.6/22

All: -296.736+/-460.914 χ^2/NDF: 68.4/46

- 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: 2810.457+/-0.877 χ^2/NDF:436421.7/6

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

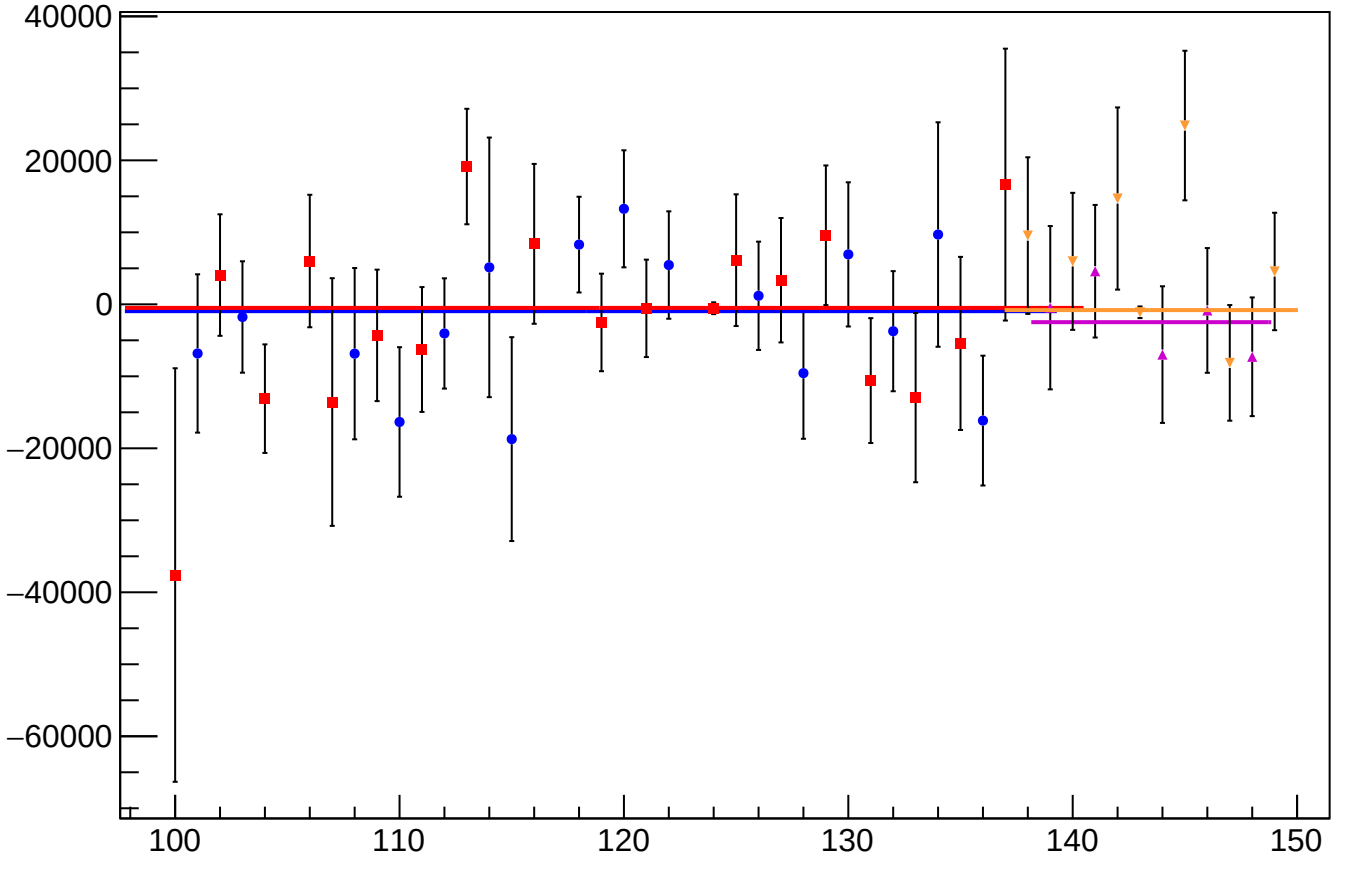
Left In: 2702.635+/-0.916 χ^2/NDF:33686.3/4

+ sign 2247.891+/-0.460 χ^2/NDF: 1267365.7/22

All: 2221.390+/-0.326 χ^2/NDF: 2110574.3/46

- 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: -801.352+/-790.454 χ^2/NDF:10.4/6

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

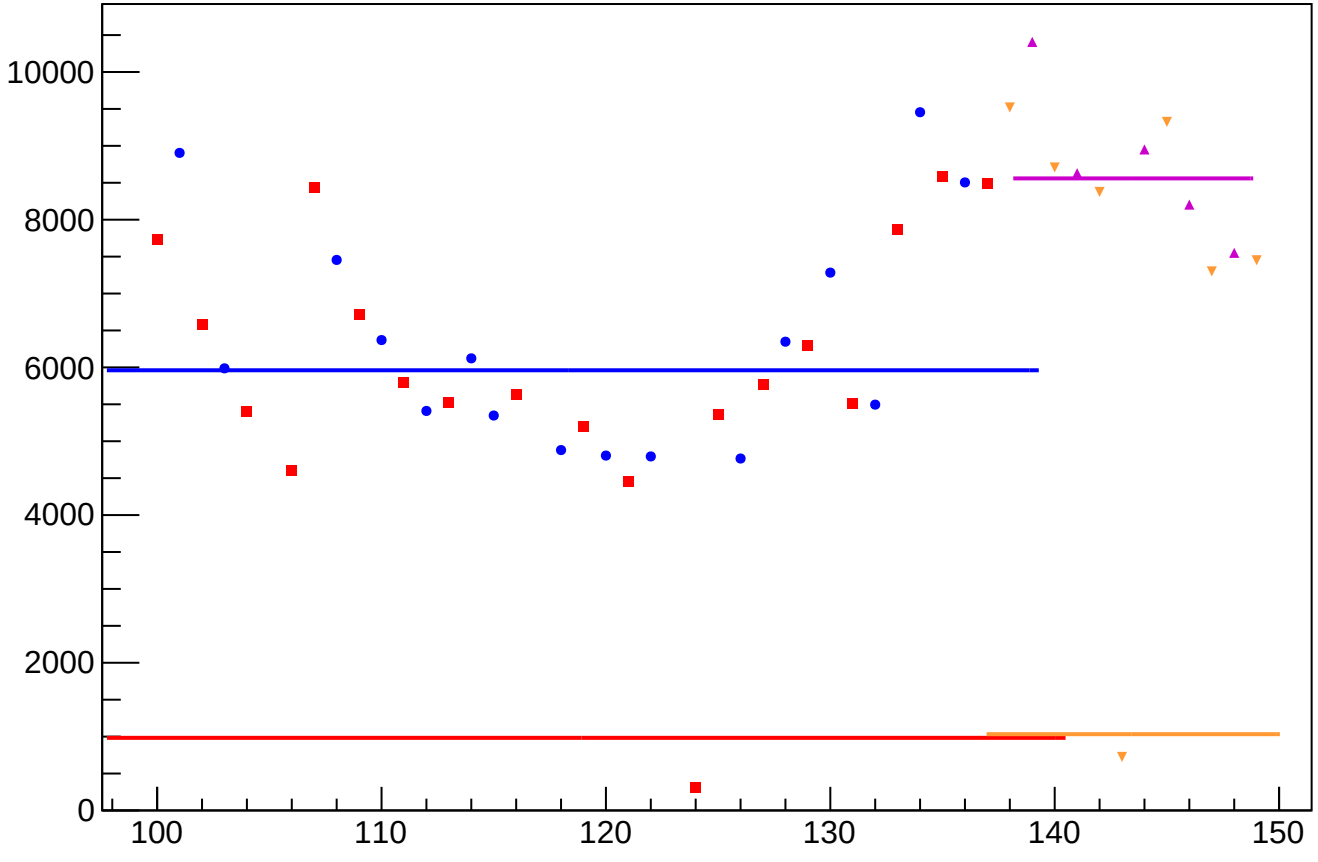
Left In: -2479.482+/-4127.034 χ^2/NDF:1.2/4

+ sign -817.376+/-746.792 χ^2/NDF: 25.7/22

All: -691.995+/-531.048 χ^2/NDF: 45.7/46

- 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: 1032.952+/-0.559 χ^2/NDF:7212286.4/6

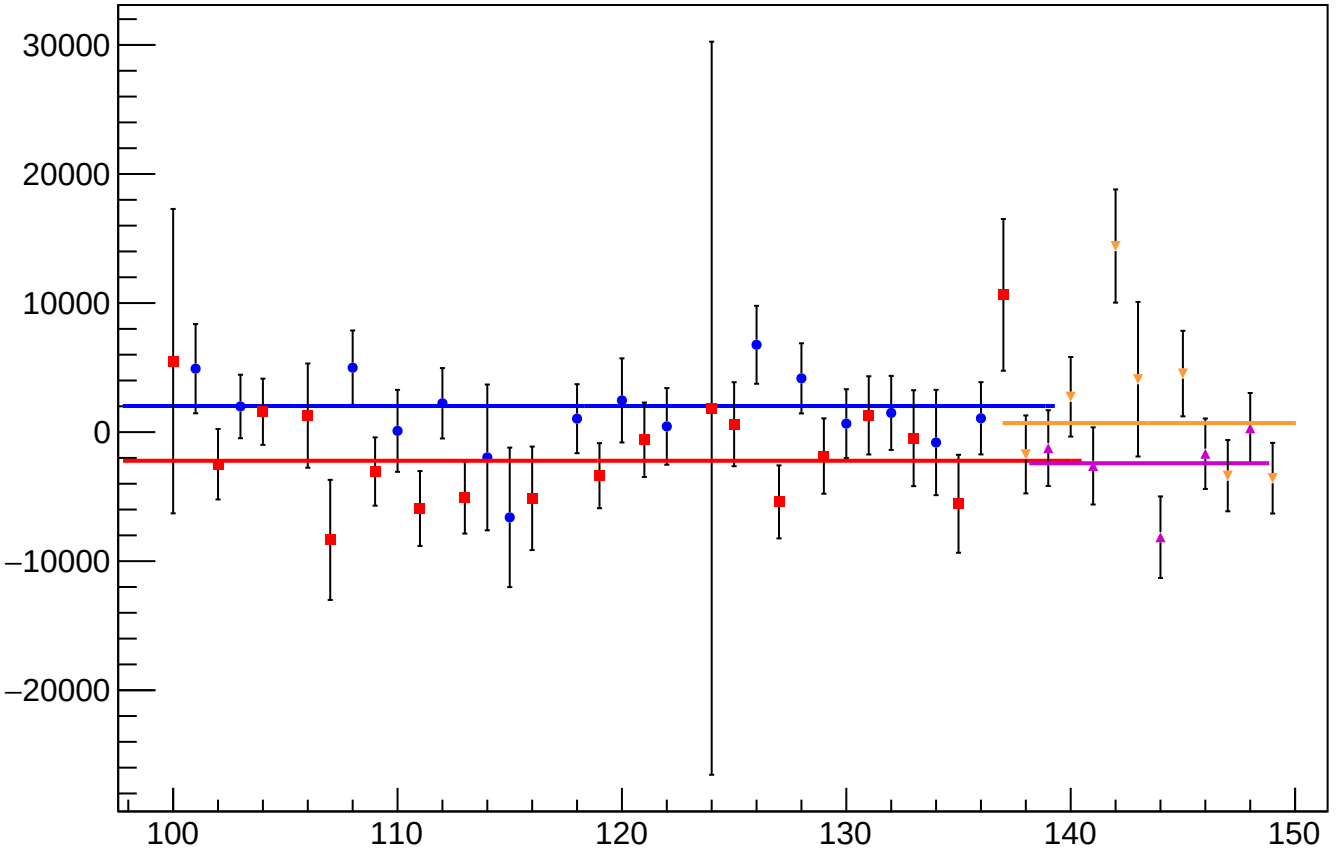
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 8559.095+/-2.918 χ^2/NDF:89896.4/4

+ sign 1562.307+/-0.528 χ^2/NDF: 16251456.4/22

All: 1401.530+/-0.376 χ^2/NDF: 34459043.5/4

- sign 1237.064+/-0.534 χ^2/NDF: 18020060.8/23



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 702.264+/-1240.077 χ^2/NDF:17.1/6

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

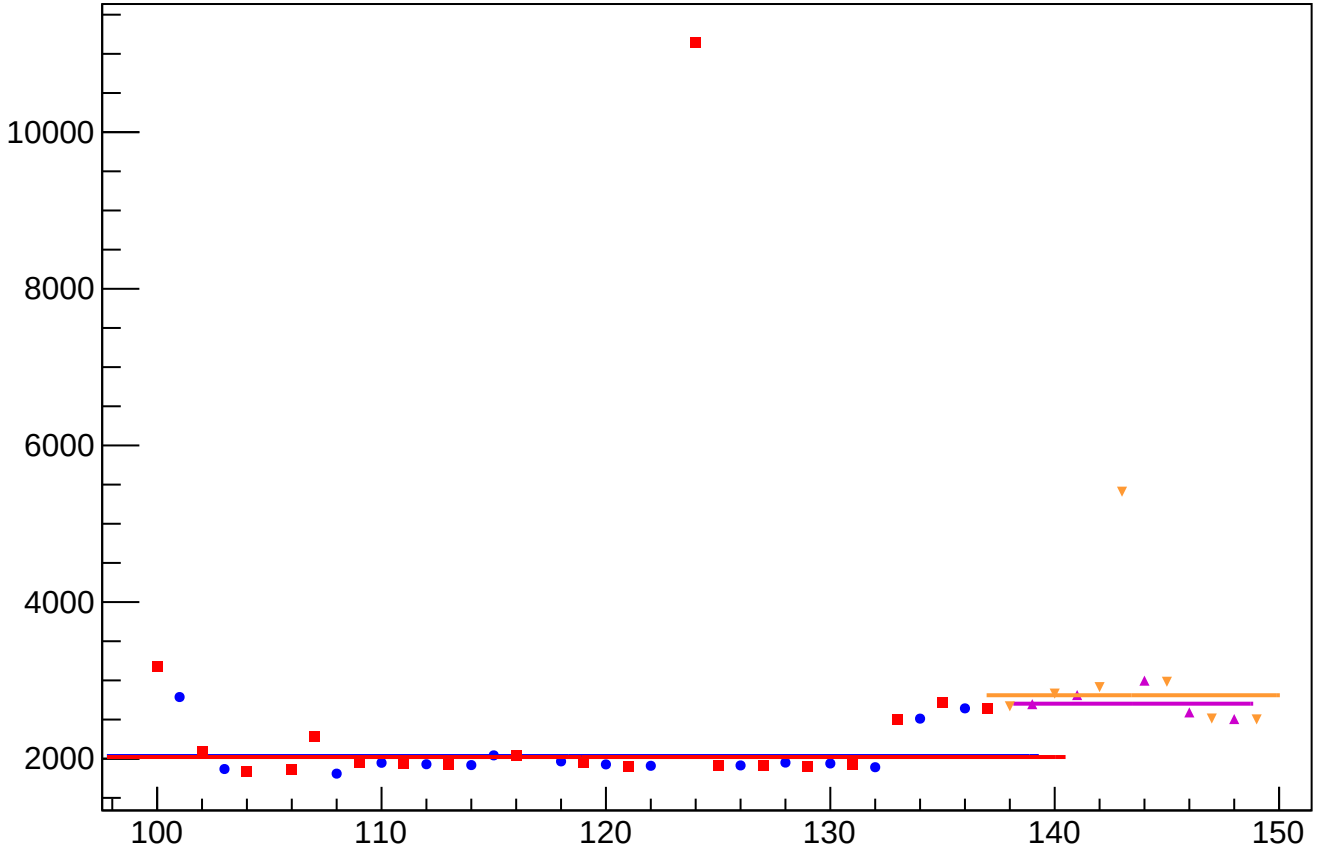
Left In: -2410.835+/-1295.050 χ^2/NDF:4.5/4

+ sign 1659.239+/-650.682 χ^2/NDF: 27.6/22

All: -297.351+/-460.915 χ^2/NDF: 68.4/46

- 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: 2810.457+/-0.877 χ^2/NDF:436421.7/6

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

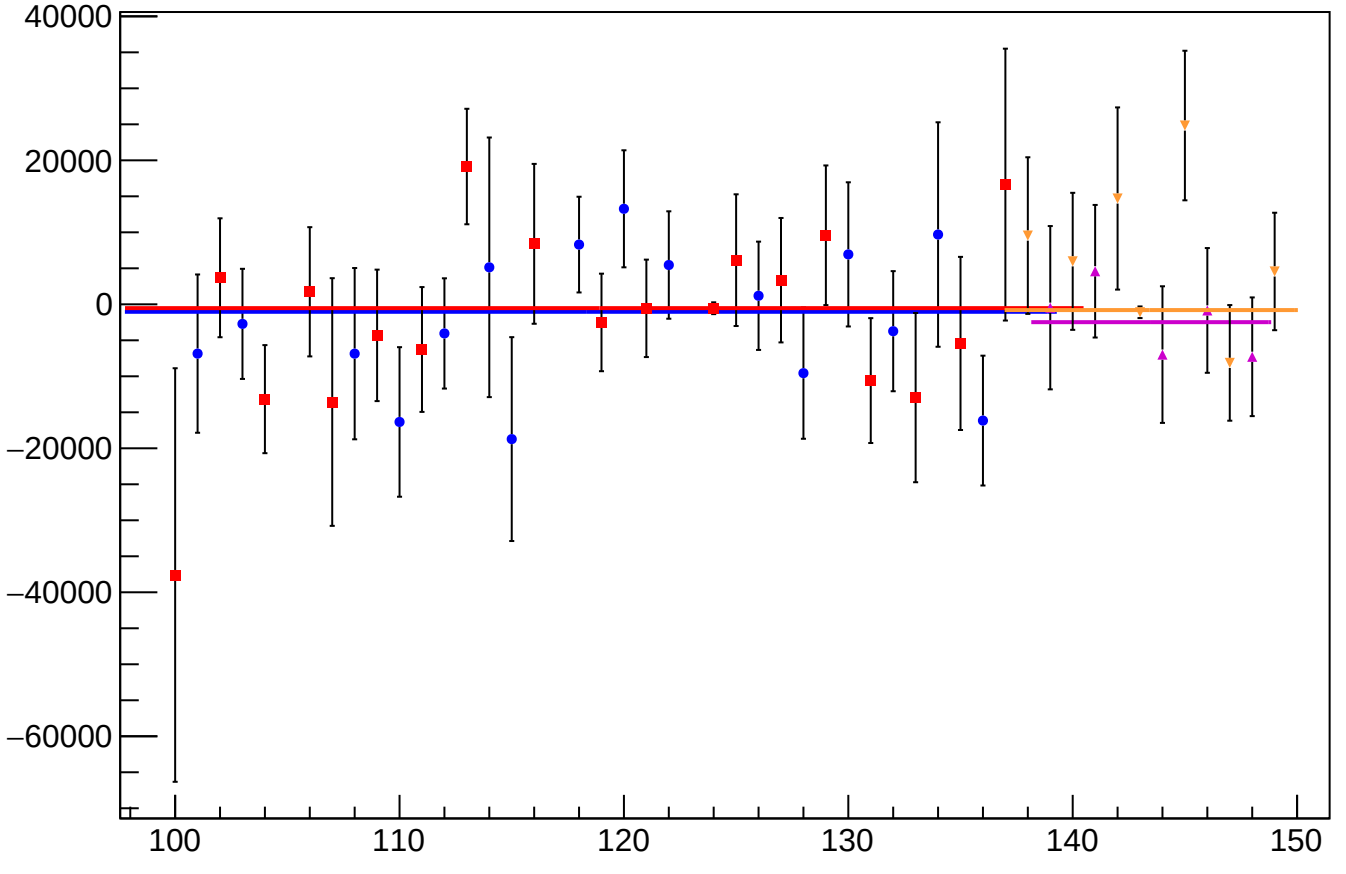
Left In: 2702.635+/-0.916 χ^2/NDF:33686.3/4

+ sign 2247.891+/-0.460 χ^2/NDF: 1267365.7/22

All: 2221.399+/-0.326 χ^2/NDF: 2110553.1/46

- 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: -801.156+/-790.380 χ^2/NDF:10.4/6

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

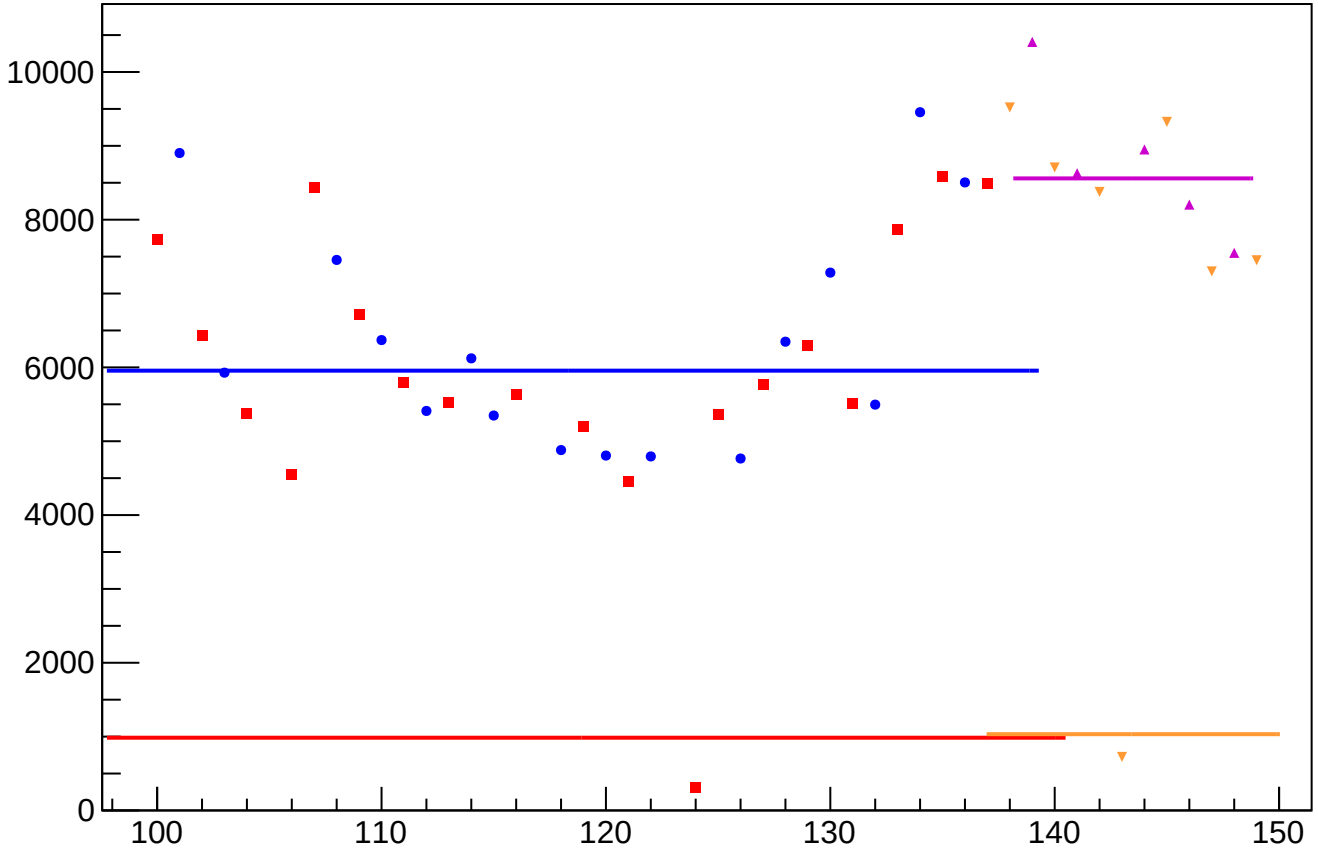
Left In: -2479.458+/-4127.030 χ^2/NDF:1.2/4

\+ sign -826.635+/-746.647 χ^2/NDF: 25.8/22

All: -712.539+/-530.883 χ^2/NDF: 45.3/46

\- 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: 1032.829+/-0.559 χ^2/NDF:7212471.3/6

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

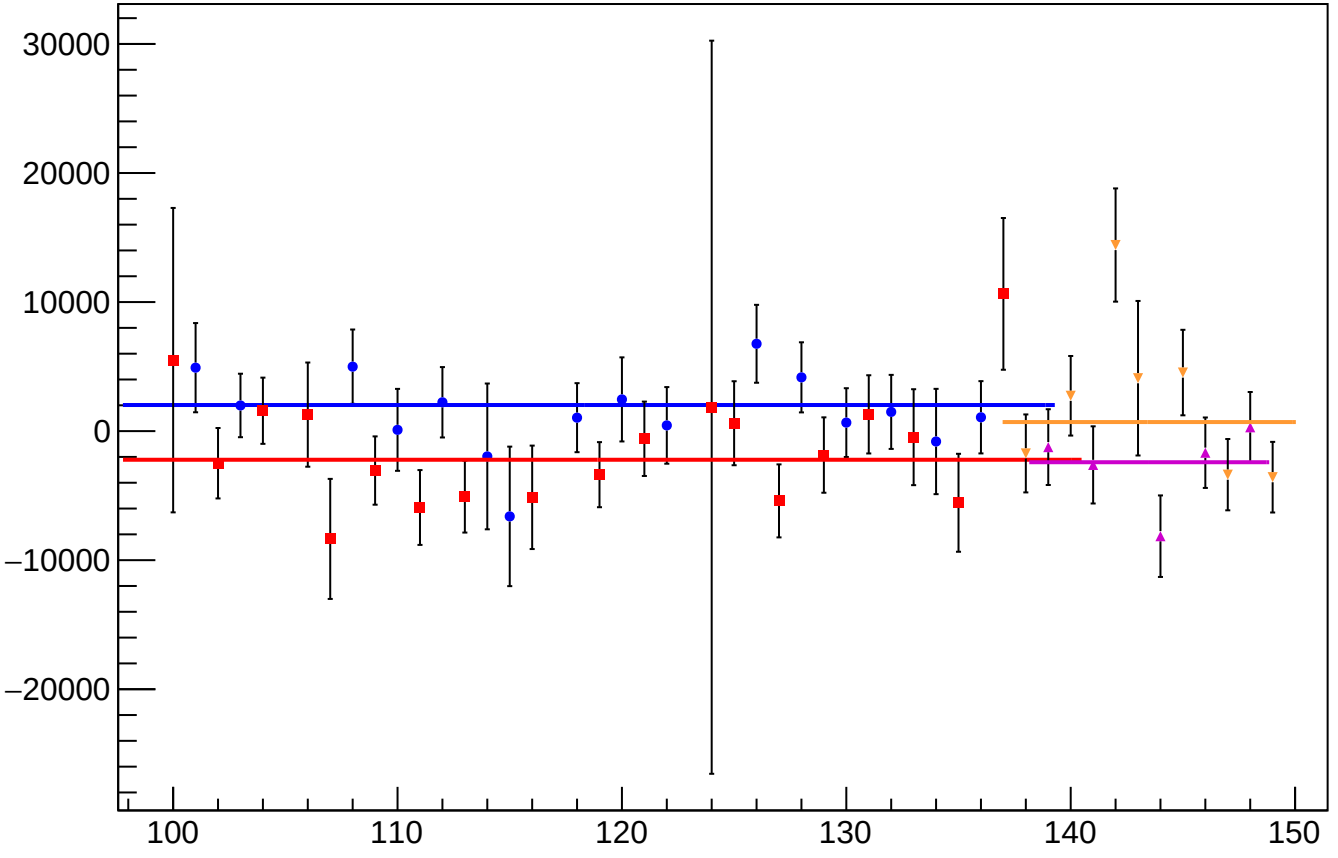
Left In: 8559.087+/-2.918 χ^2/NDF:89896.3/4

+ sign 1562.530+/-0.528 χ^2/NDF: 16249980.1/22

All: 1402.323+/-0.375 χ^2/NDF: 34449639.7/4

- 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: 702.264+/-1240.077 χ^2/NDF:17.1/6

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

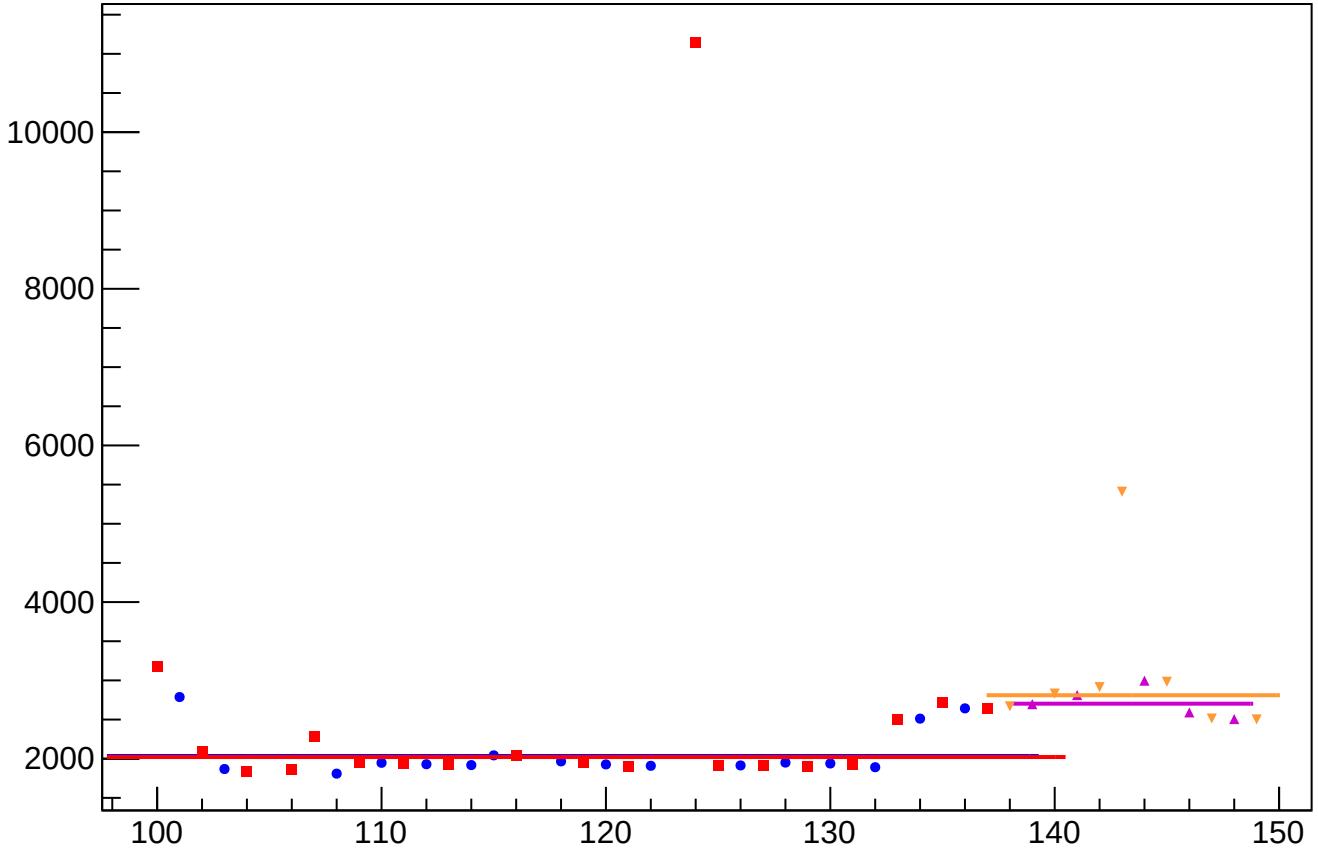
Left In: -2410.835+/-1295.050 χ^2/NDF:4.5/4

+ sign 1659.239+/-650.682 χ^2/NDF: 27.6/22

All: -297.351+/-460.915 χ^2/NDF: 68.4/46

- 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: 2810.457+/-0.877 χ^2/NDF:436421.7/6

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

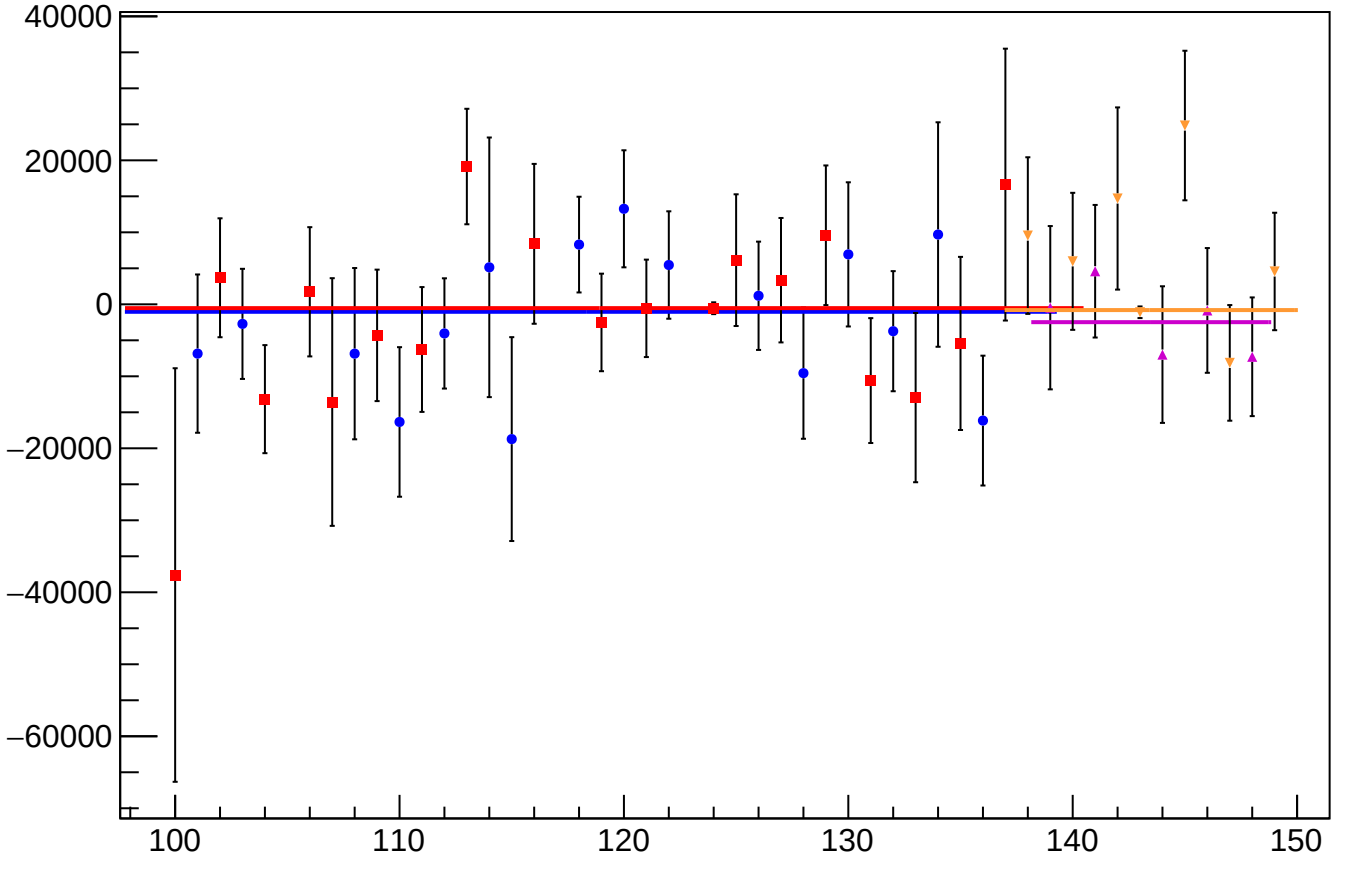
Left In: 2702.635+/-0.916 χ^2/NDF:33686.3/4

+ sign 2247.891+/-0.460 χ^2/NDF: 1267365.7/22

All: 2221.399+/-0.326 χ^2/NDF: 2110553.1/46

- sign 2194.719+/-0.462 χ^2/NDF: 836533.5/23

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -801.156+/-790.380 χ^2/NDF:10.4/6

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

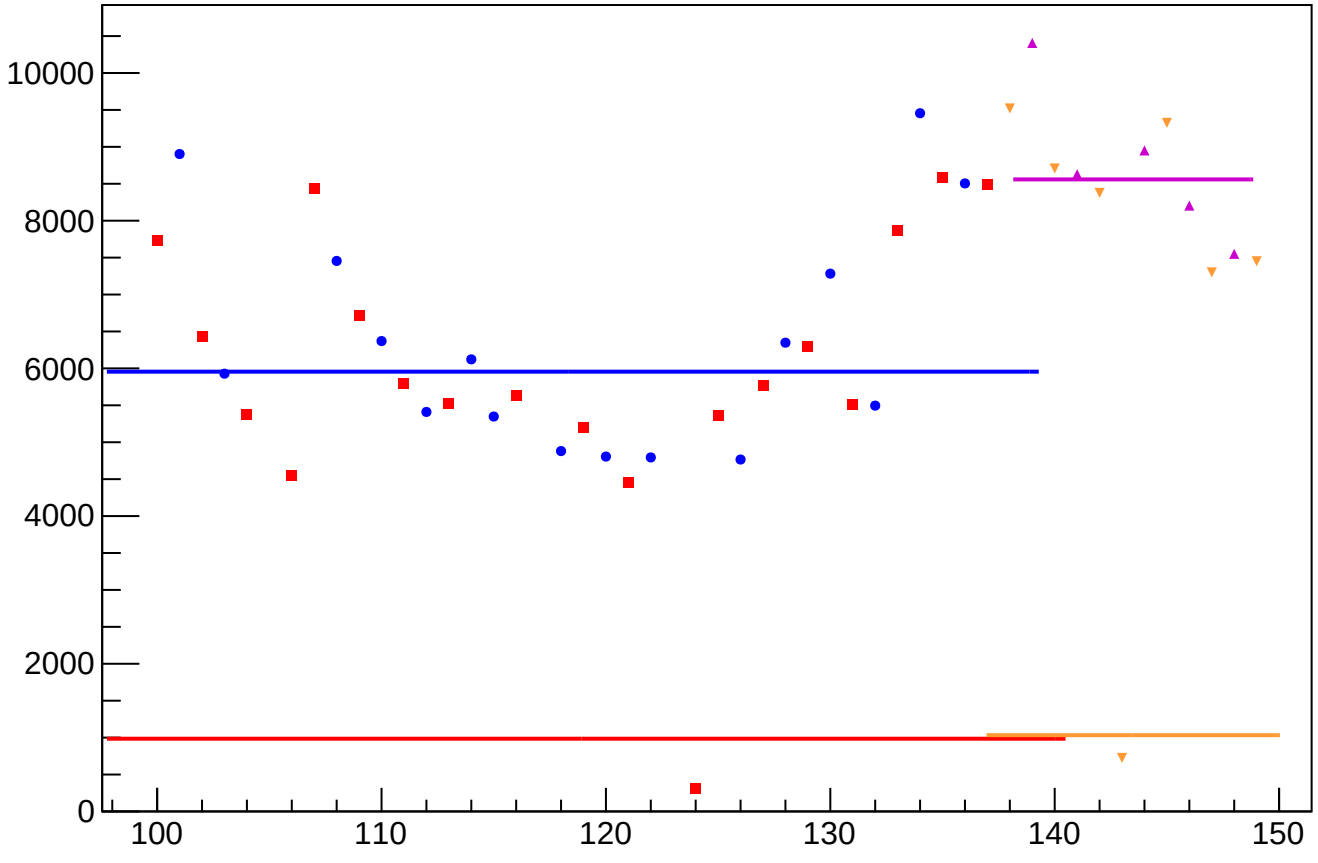
Left In: -2479.458+/-4127.030 χ^2/NDF:1.2/4

\+ sign -826.635+/-746.647 χ^2/NDF: 25.8/22

All: -712.539+/-530.883 χ^2/NDF: 45.3/46

\- 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: 1032.829+/-0.559 χ^2/NDF:7212471.3/6

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

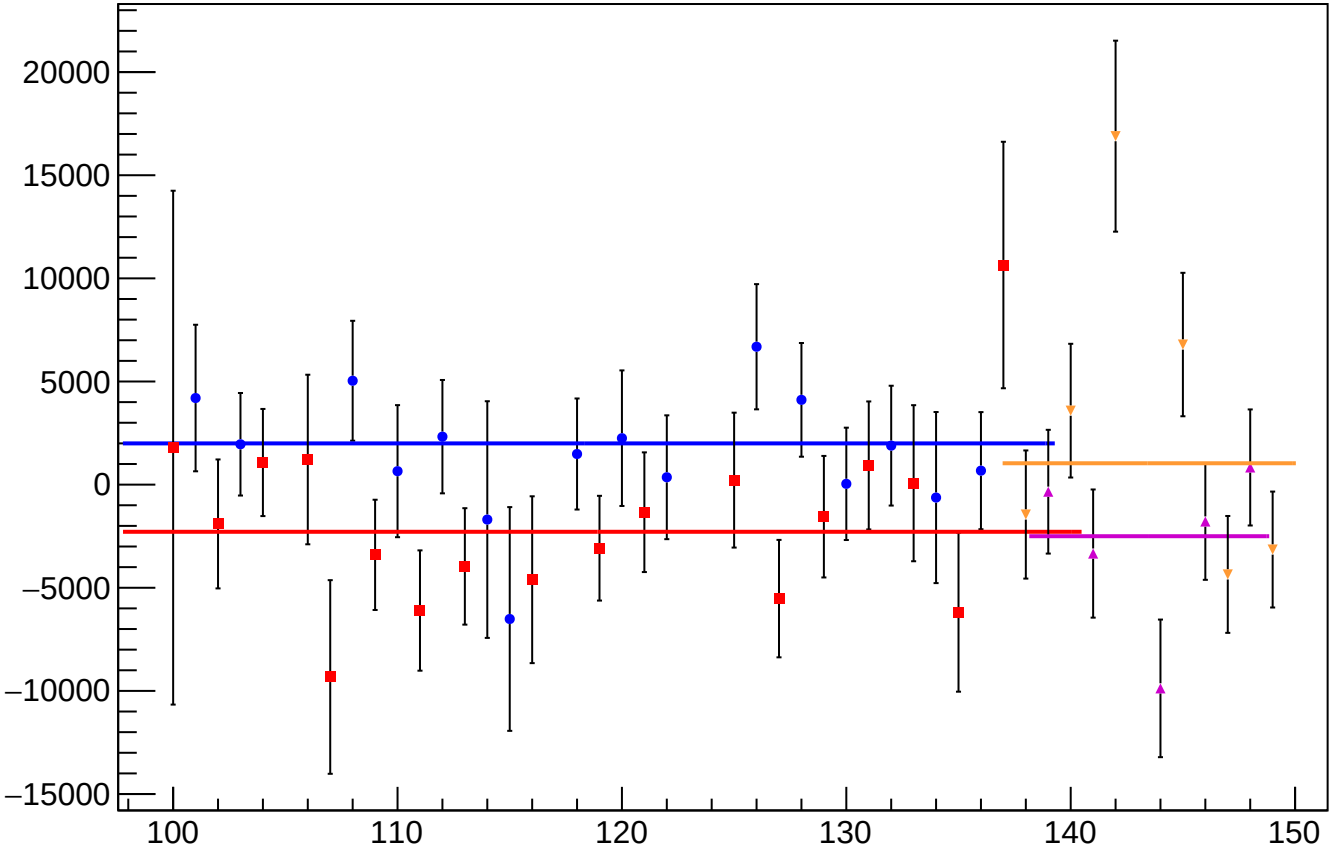
Left In: 8559.087+/-2.918 χ^2/NDF:89896.3/4

+ sign 1562.530+/-0.528 χ^2/NDF: 16249980.1/22

All: 1402.323+/-0.375 χ^2/NDF: 34449639.7/4

- sign 1238.518+/-0.534 χ^2/NDF: 18013433.8/23

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 1036.284+/-1313.788 χ^2/NDF:21.6/5

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

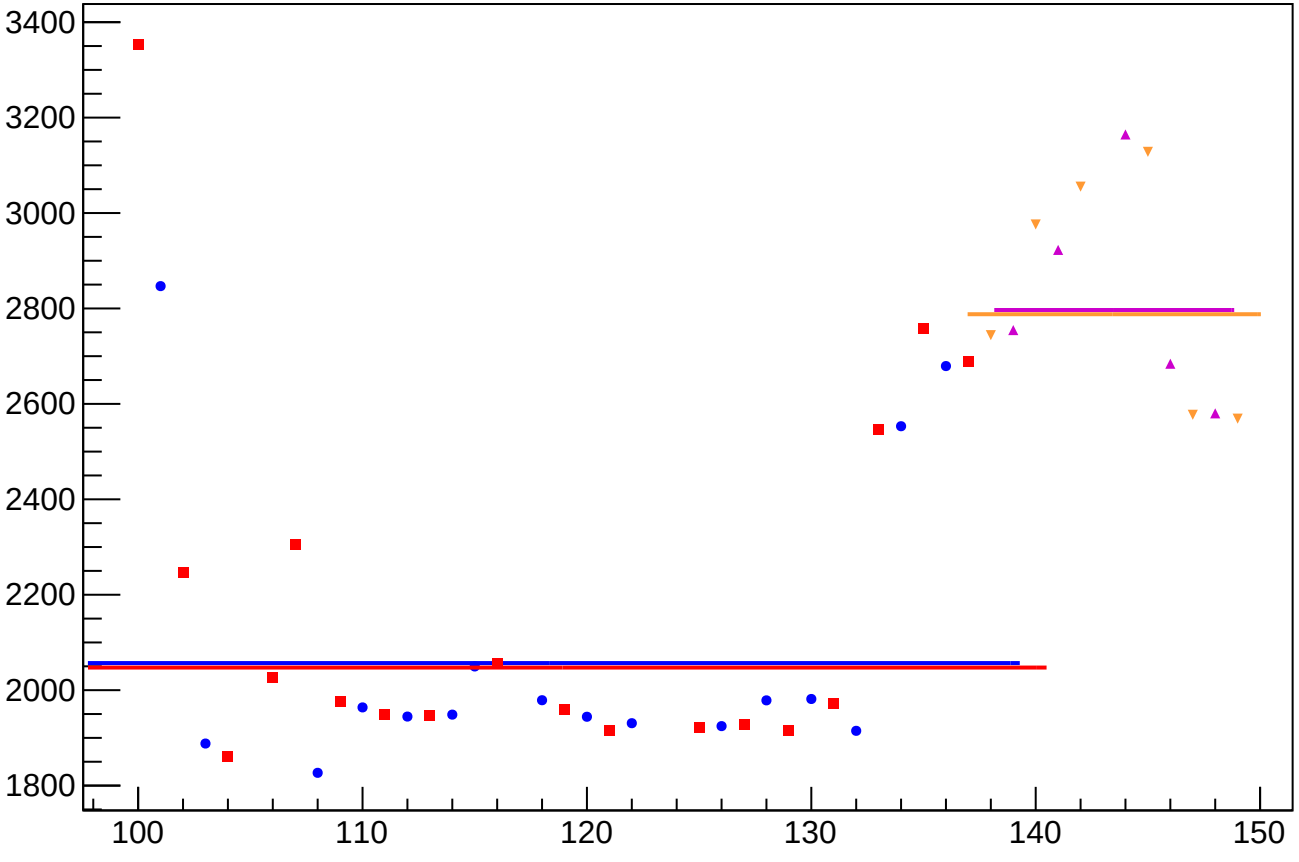
Left In: -2500.552+/-1341.132 χ^2/NDF:6.9/4

+ sign 1751.331+/-666.579 χ^2/NDF: 31.0/21

All: -287.731+/-472.059 χ^2/NDF: 73.4/44

- 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: 2787.926+/-0.929 χ^2/NDF:56164.8/5

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

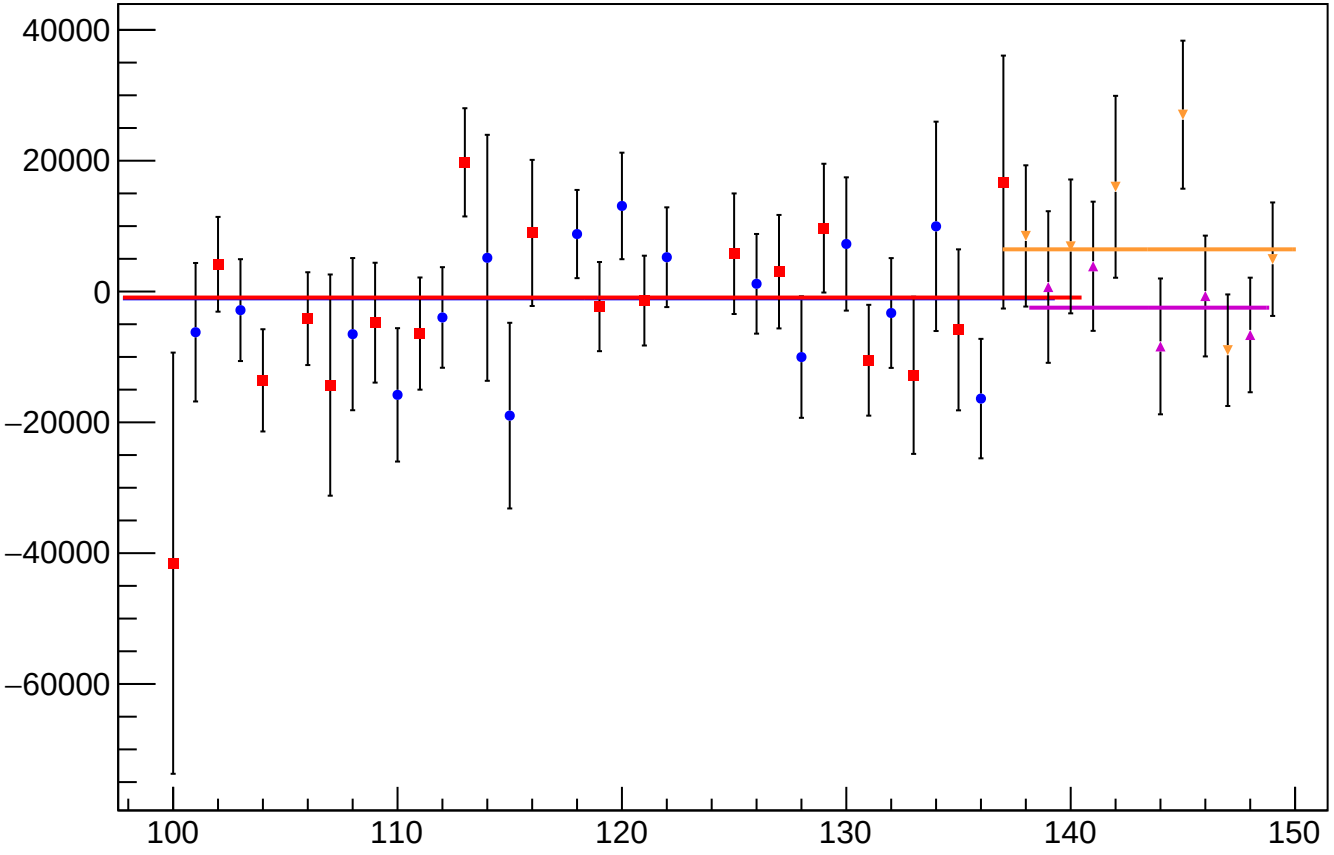
Left In: 2796.779+/-0.948 χ^2/NDF:43035.1/4

+ sign 2245.007+/-0.471 χ^2/NDF: 786567.8/21

All: 2239.131+/-0.334 χ^2/NDF: 1496026.1/44

- 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: 6450.714+/-4147.332 χ^2/NDF:7.1/5

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

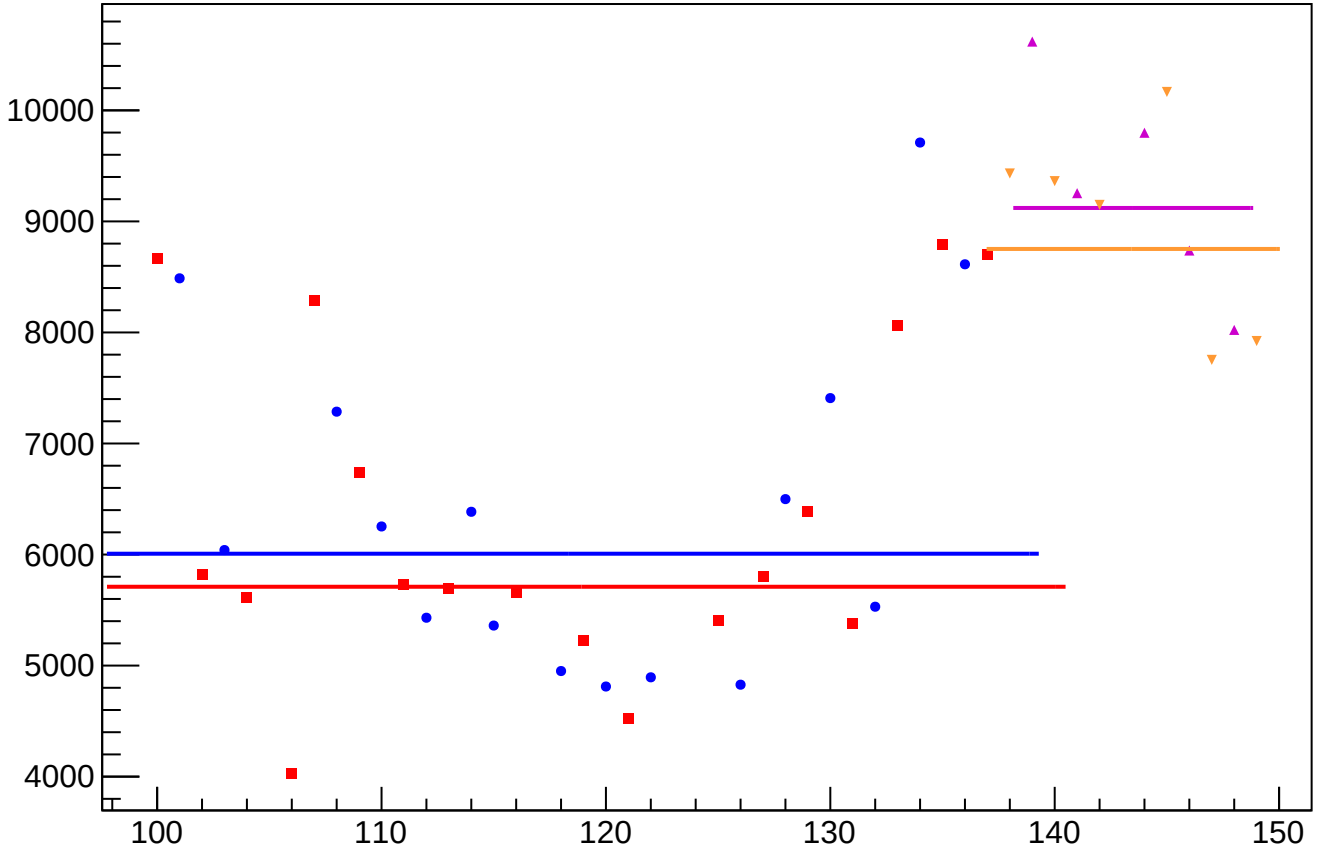
Left In: -2467.513+/-4396.416 χ^2/NDF:1.1/4

+ sign 713.660+/-2007.790 χ^2/NDF: 24.9/21

All: -289.593+/-1392.177 χ^2/NDF: 44.9/44

- 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: 8751.949+/-2.933 χ^2/NDF:93596.4/5

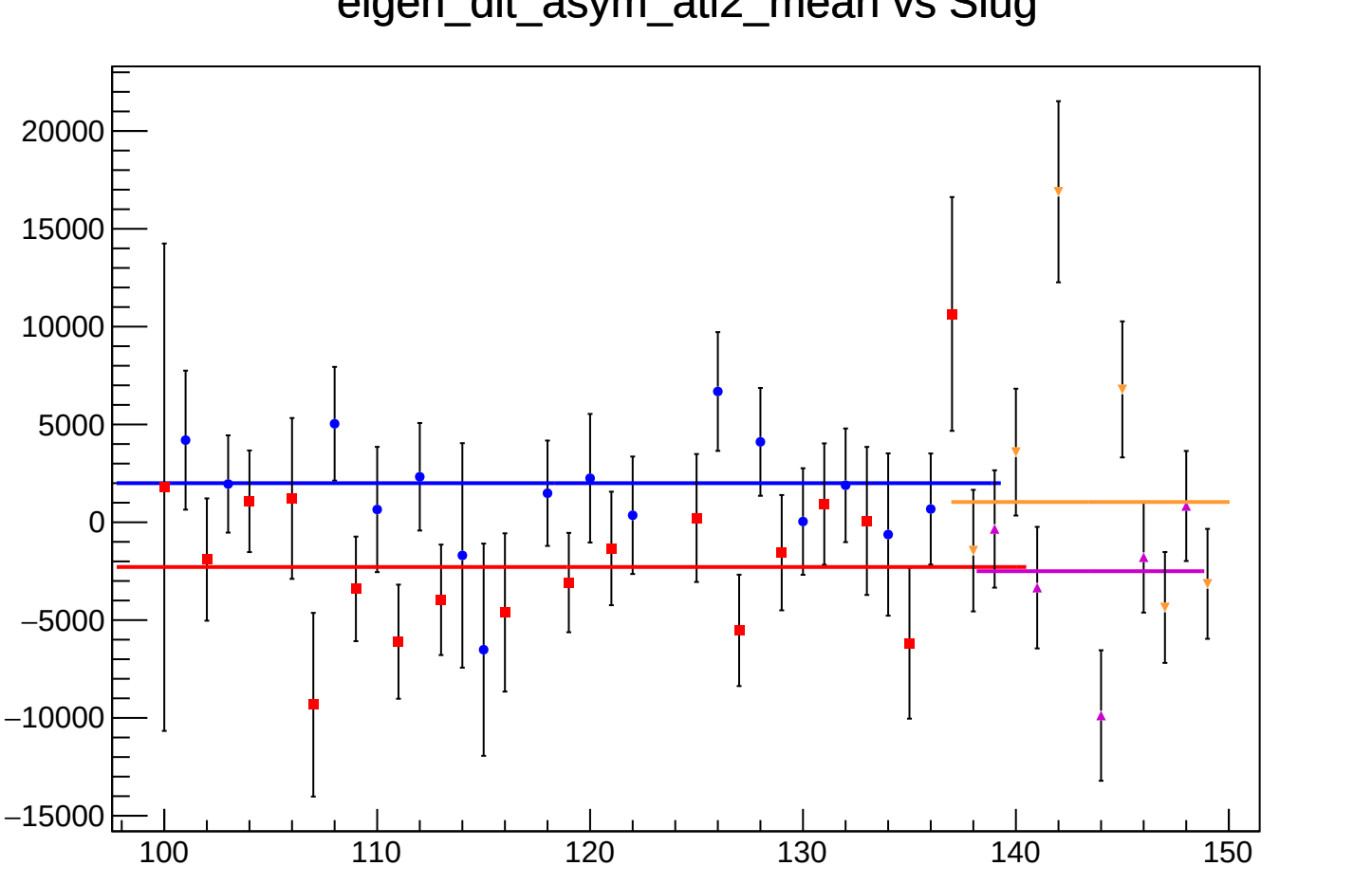
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9121.011+/-3.109 χ^2/NDF:77175.9/4

+ sign 6650.654+/-1.420 χ^2/NDF: 1418166.6/21

All: 6504.251+/-0.984 χ^2/NDF: 3023216.6/44

- sign 6368.683+/-1.366 χ^2/NDF: 1584569.1/22



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 1036.296+/-1313.789 χ^2/NDF:21.6/5

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

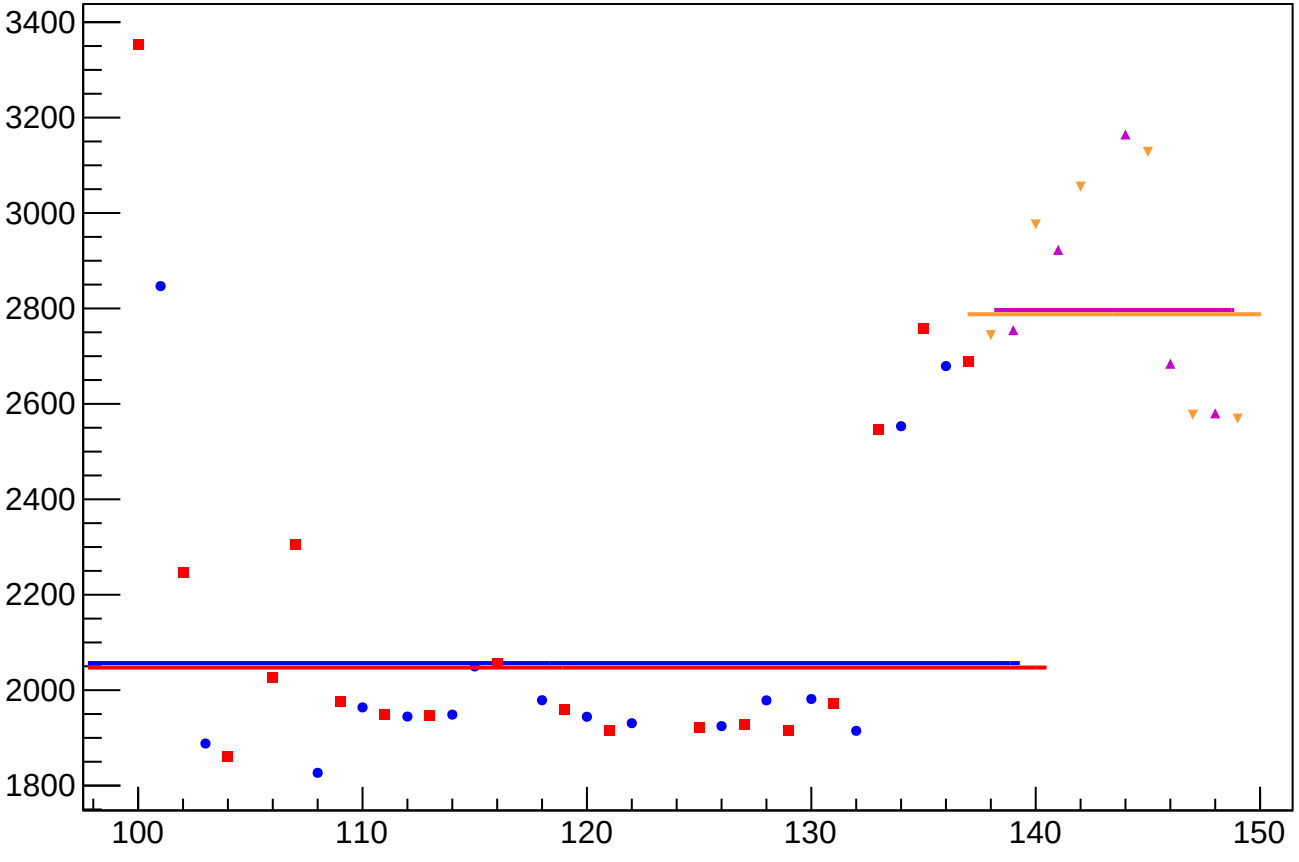
Left In: -2500.553+/-1341.134 χ^2/NDF:6.9/4

+ sign 1751.338+/-666.579 χ^2/NDF: 31.0/21

All: -287.729+/-472.060 χ^2/NDF: 73.4/44

- 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: 2787.928+/-0.929 χ^2/NDF:56166.1/5

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

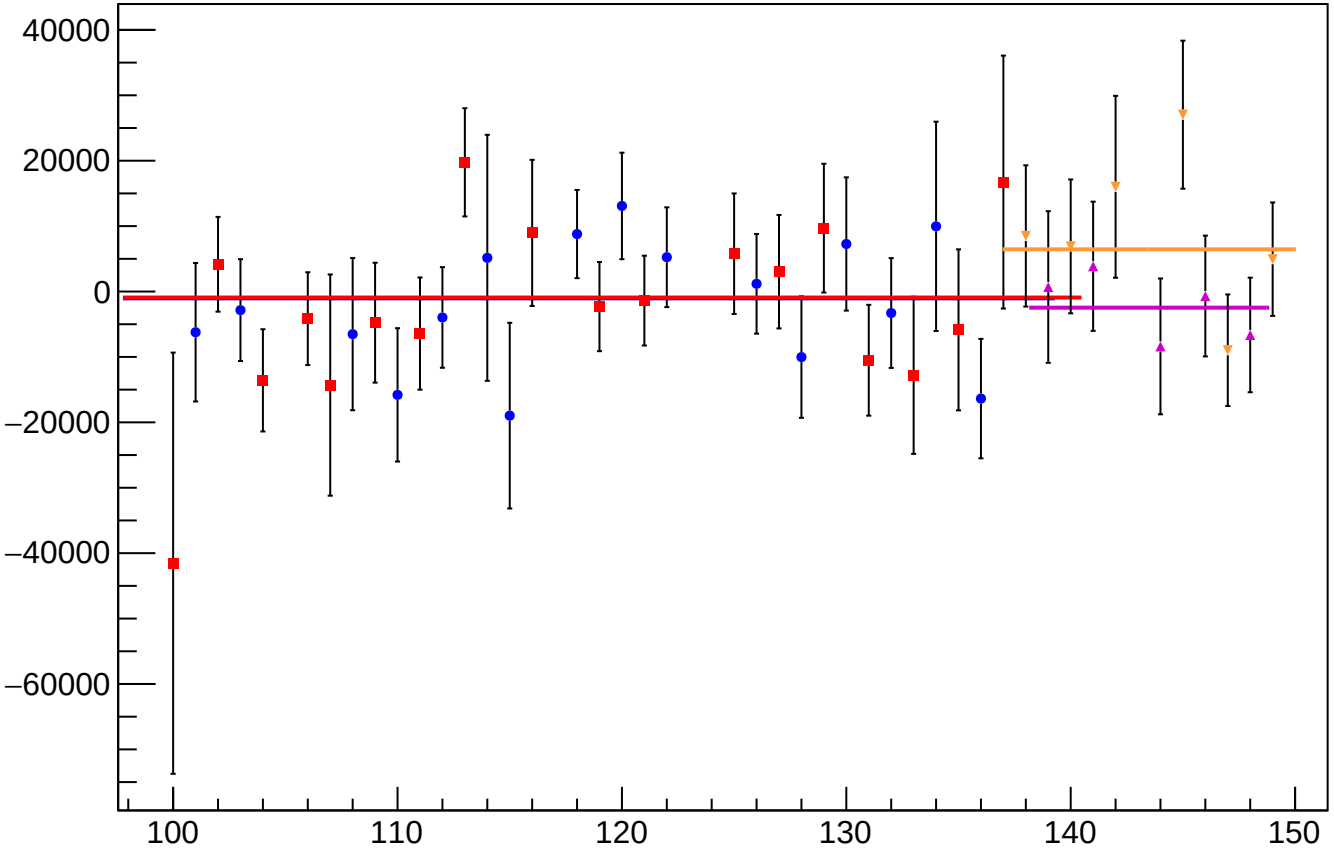
Left In: 2796.781+/-0.948 χ^2/NDF:43035.6/4

+ sign 2245.008+/-0.471 χ^2/NDF: 786570.5/21

All: 2239.131+/-0.334 χ^2/NDF: 1496032.2/44

- 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: 6450.715+/-4147.338 χ^2/NDF:7.1/5

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

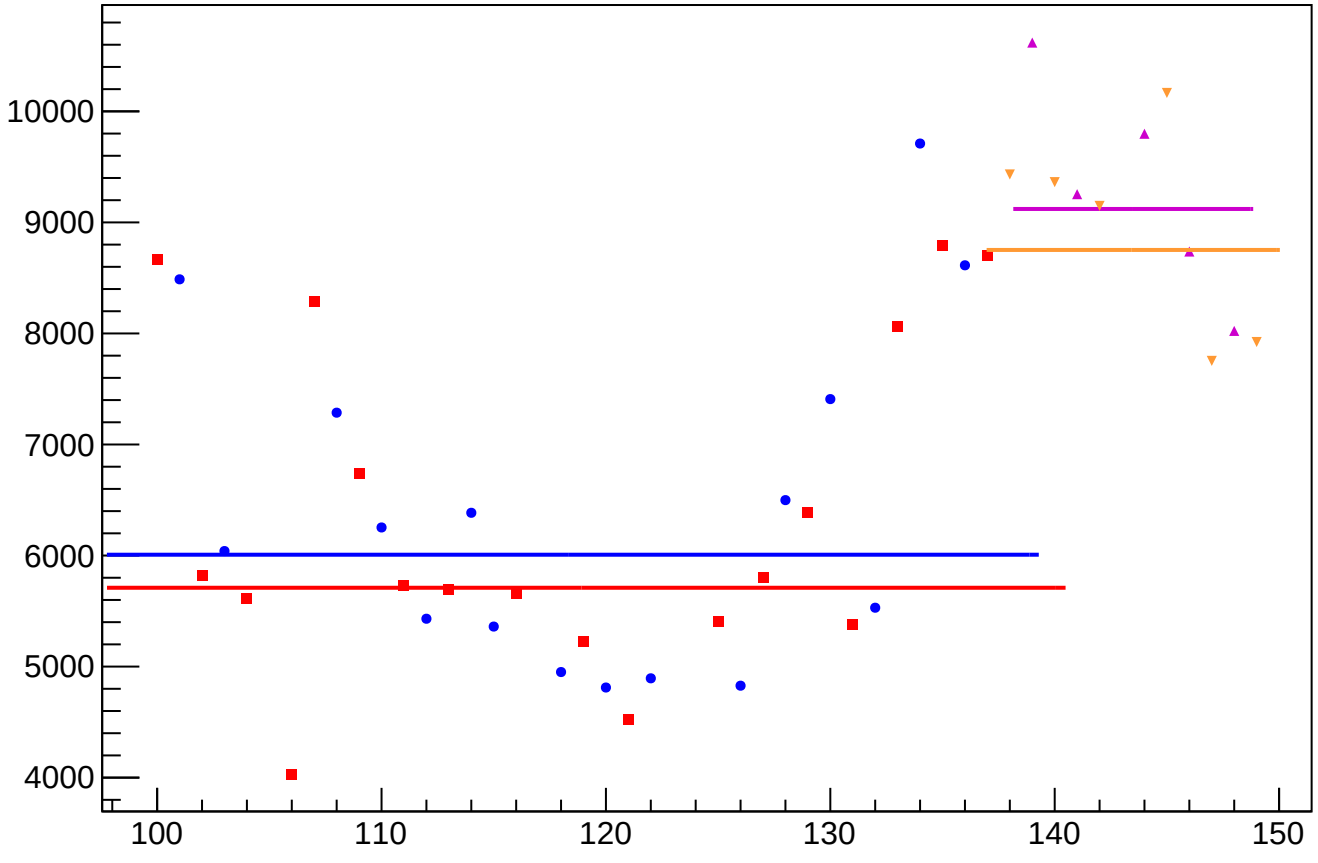
Left In: -2467.516+/-4396.423 χ^2/NDF:1.1/4

+ sign 713.658+/-2007.786 χ^2/NDF: 24.9/21

All: -289.595+/-1392.174 χ^2/NDF: 44.9/44

- 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: 8751.961+/-2.933 χ^2/NDF:93598.8/5

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

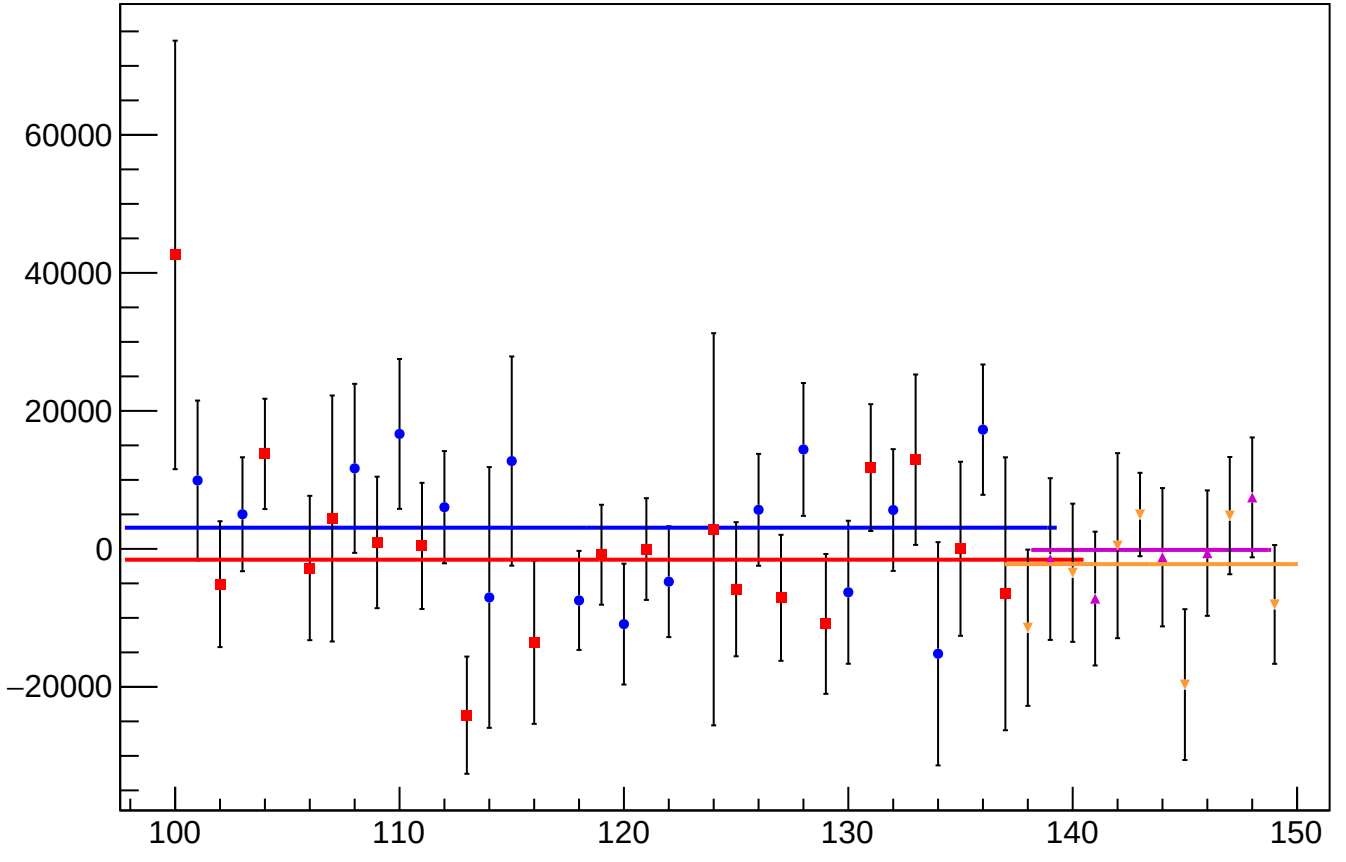
Left In: 9121.024+/-3.109 χ^2/NDF:77177.8/4

+ sign 6650.637+/-1.420 χ^2/NDF: 1418192.1/21

All: 6504.235+/-0.984 χ^2/NDF: 3023263.3/44

- 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: -2211.602+/-3401.508 χ^2/NDF:5.8/6

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

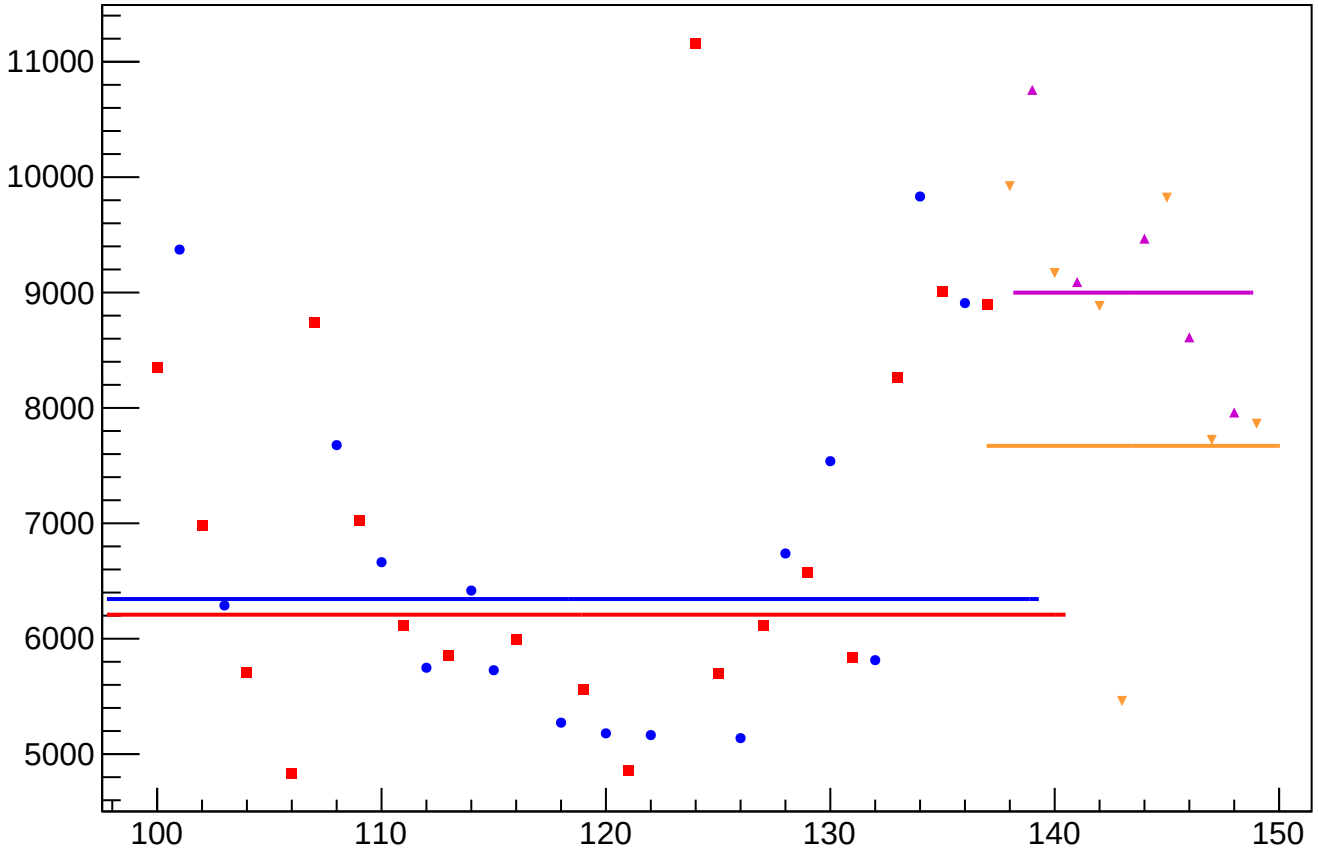
Left In: -150.115+/-4334.761 χ^2/NDF:1.3/4

+ sign 1294.558+/-1972.267 χ^2/NDF: 22.3/22

All: 76.203+/-1423.392 χ^2/NDF: 43.7/46

- 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: 7671.281+/-2.405 χ^2/NDF:486182.6/6

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

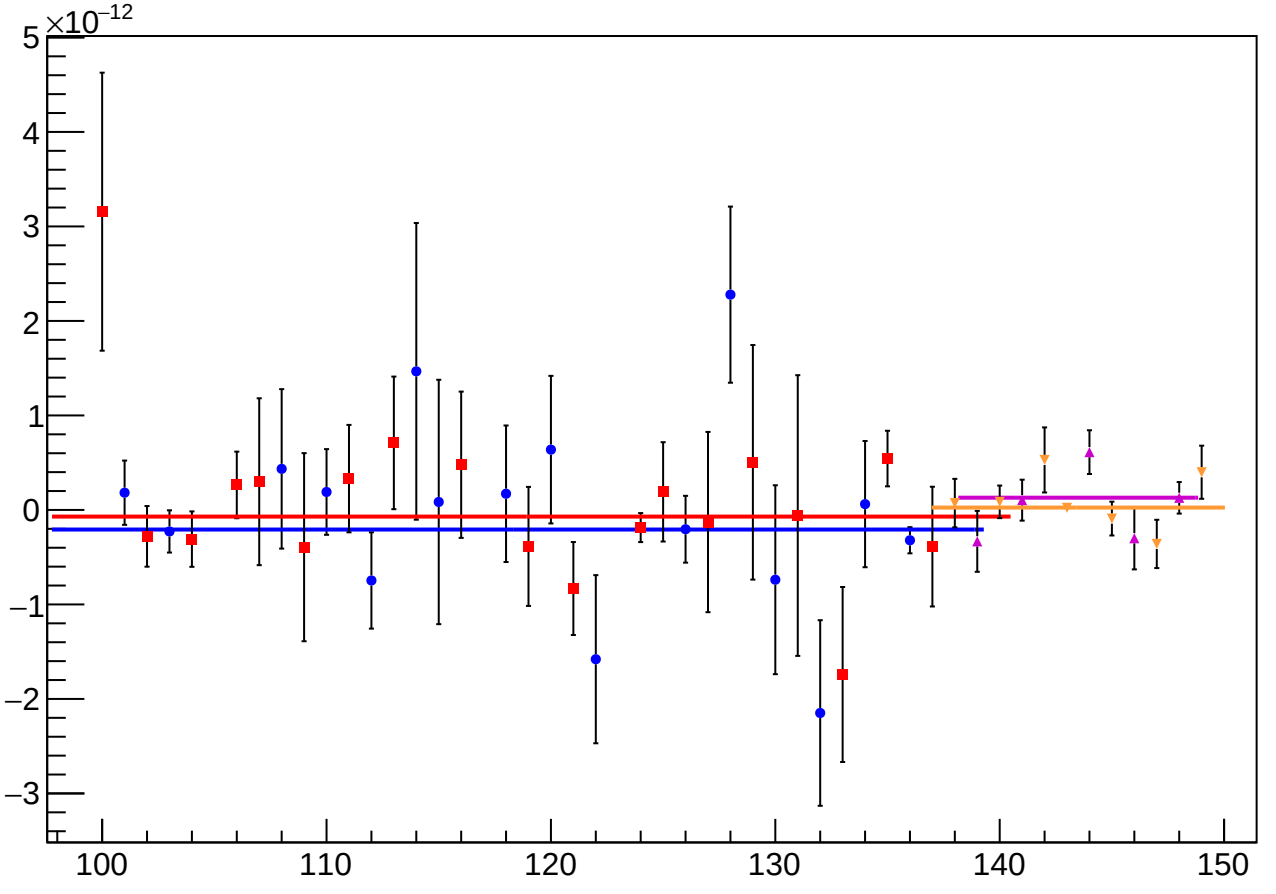
Left In: 8999.187+/-3.065 χ^2/NDF:81684.3/4

+ sign 6790.086+/-1.395 χ^2/NDF: 1309626.2/22

All: 6812.178+/-1.006 χ^2/NDF: 2506256.8/46

- 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:6.8/6

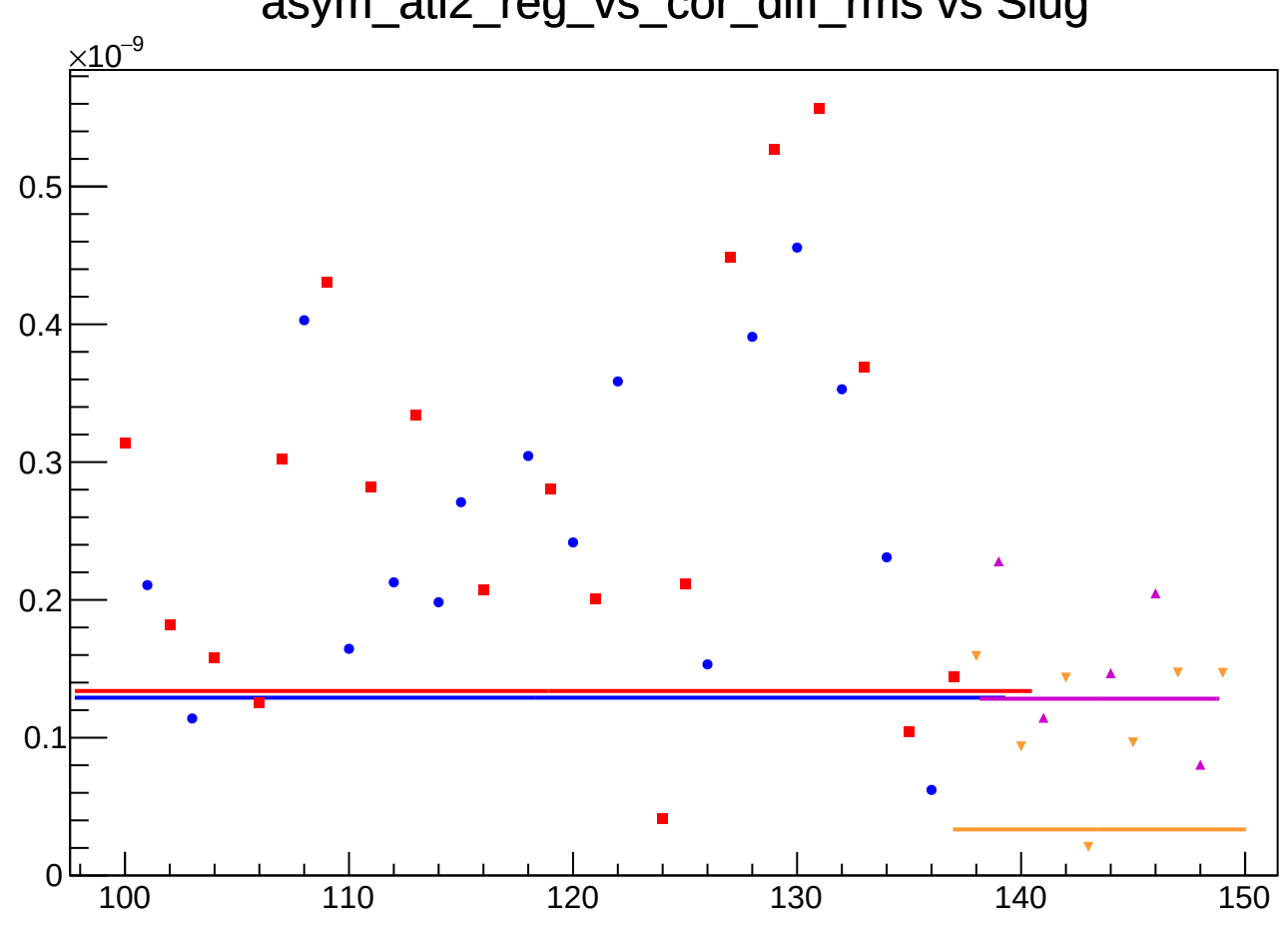
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 33.0/22

All: 0.000+/-0.000 χ^2/NDF: 64.1/46

- 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:2157942.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

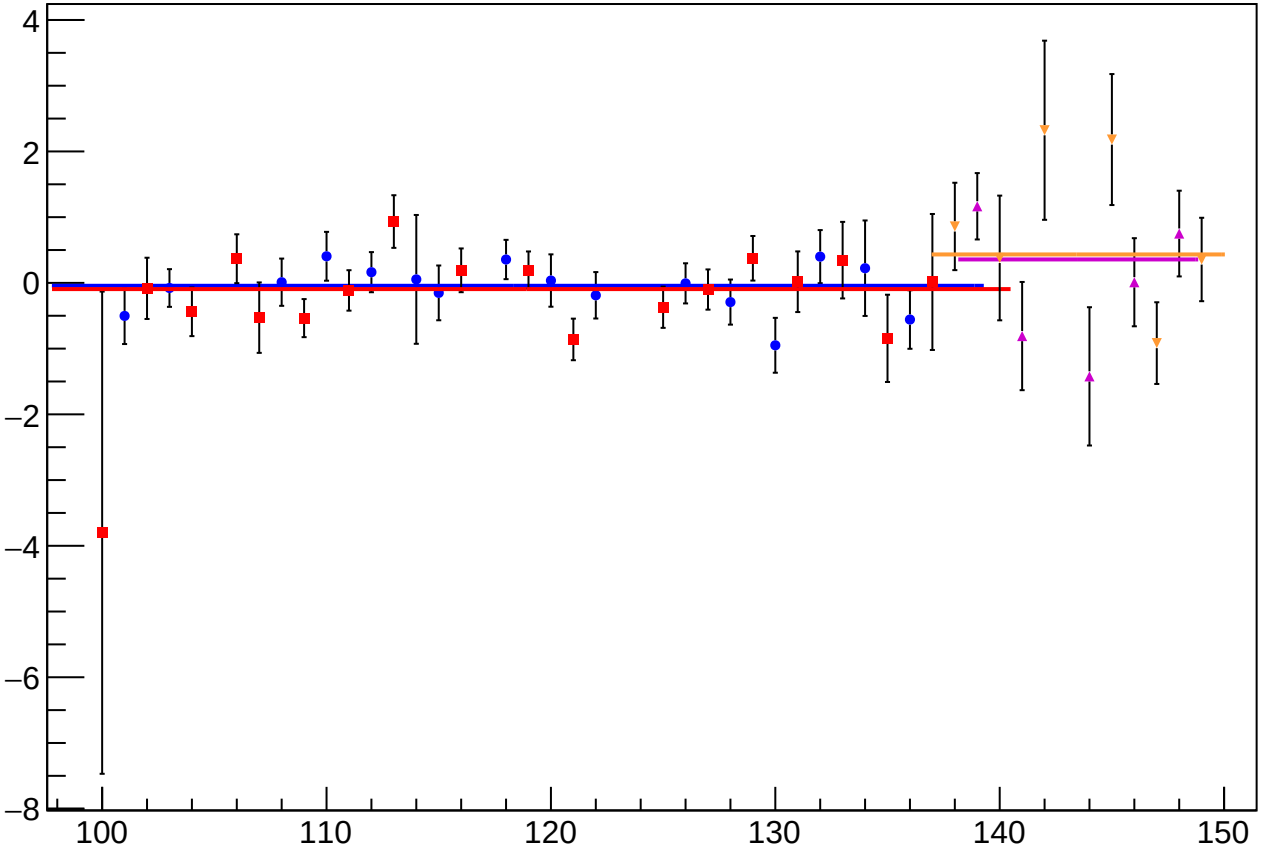
Left In: 0.000+/-0.000 χ^2/NDF:484630.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 5673976.7/22

All: 0.000+/-0.000 χ^2/NDF: 11065170.6/46

- 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: 0.433+/-0.316 χ^2/NDF:10.1/5

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

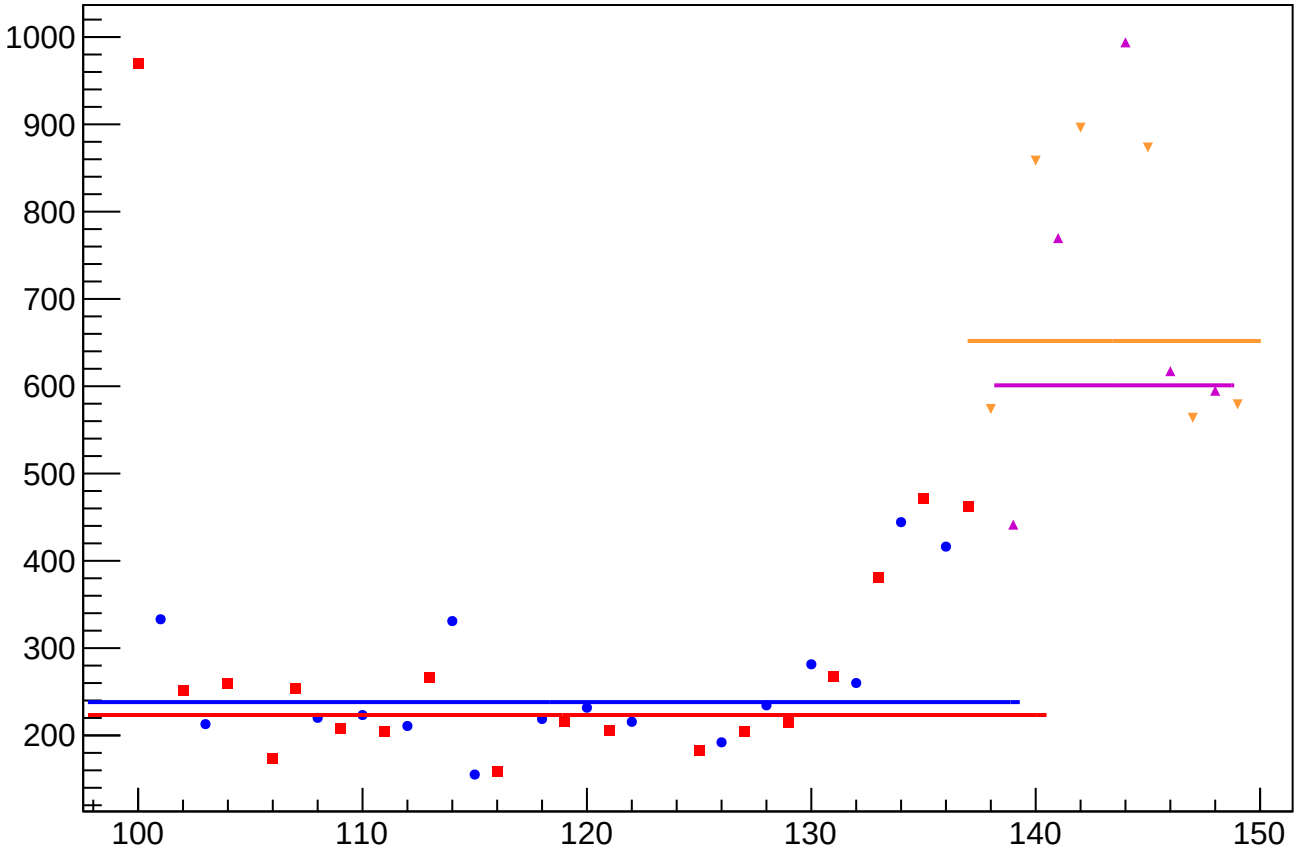
Left In: 0.357+/-0.303 χ^2/NDF:8.1/4

+ sign -0.006+/-0.090 χ^2/NDF: 25.3/21

All: -0.033+/-0.062 χ^2/NDF: 60.9/44

- 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: 651.833+/-0.224 χ^2/NDF:351687.4/5

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

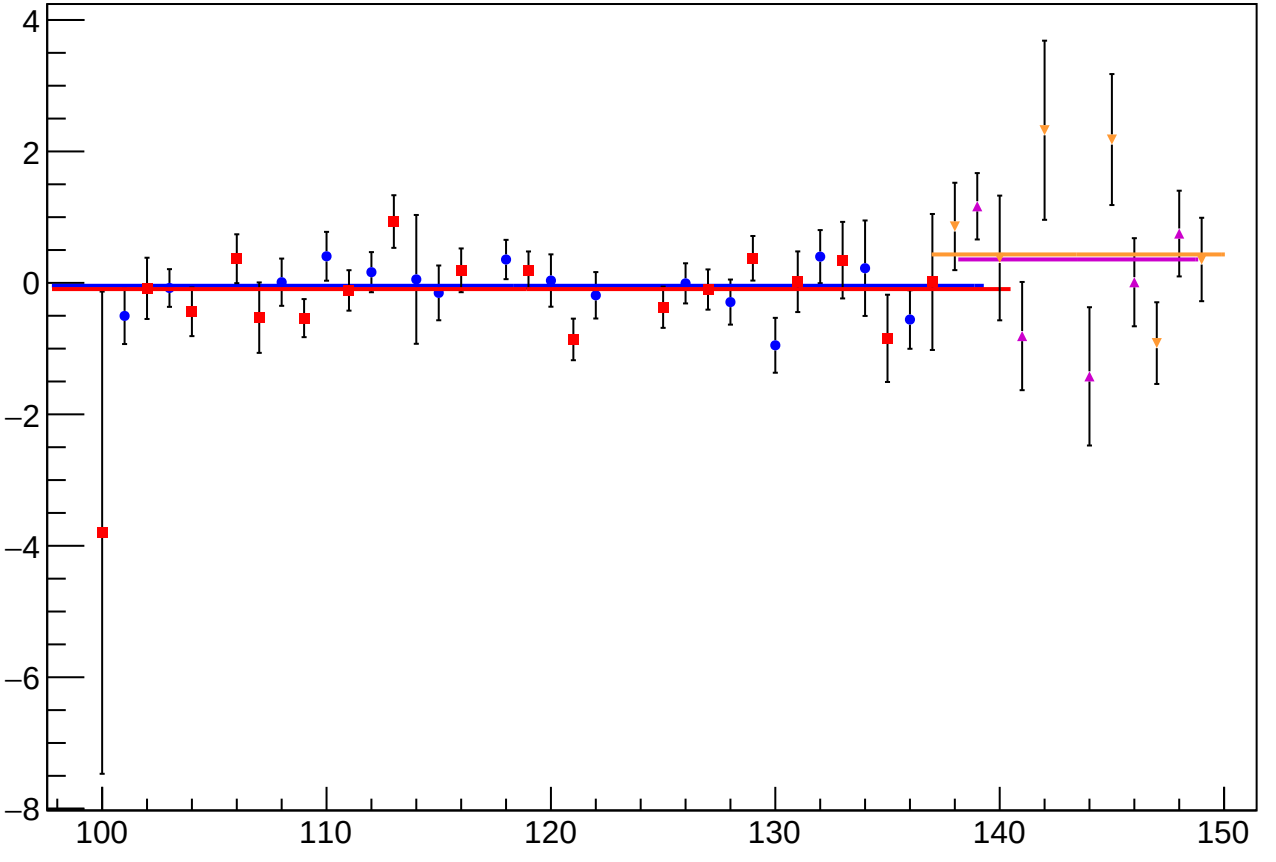
Left In: 601.039+/-0.214 χ^2/NDF:564043.0/4

+ sign 271.592+/-0.064 χ^2/NDF: 4302178.5/21

All: 262.431+/-0.044 χ^2/NDF: 8620089.7/44

- 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: 0.433+/-0.316 χ^2/NDF:10.1/5

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

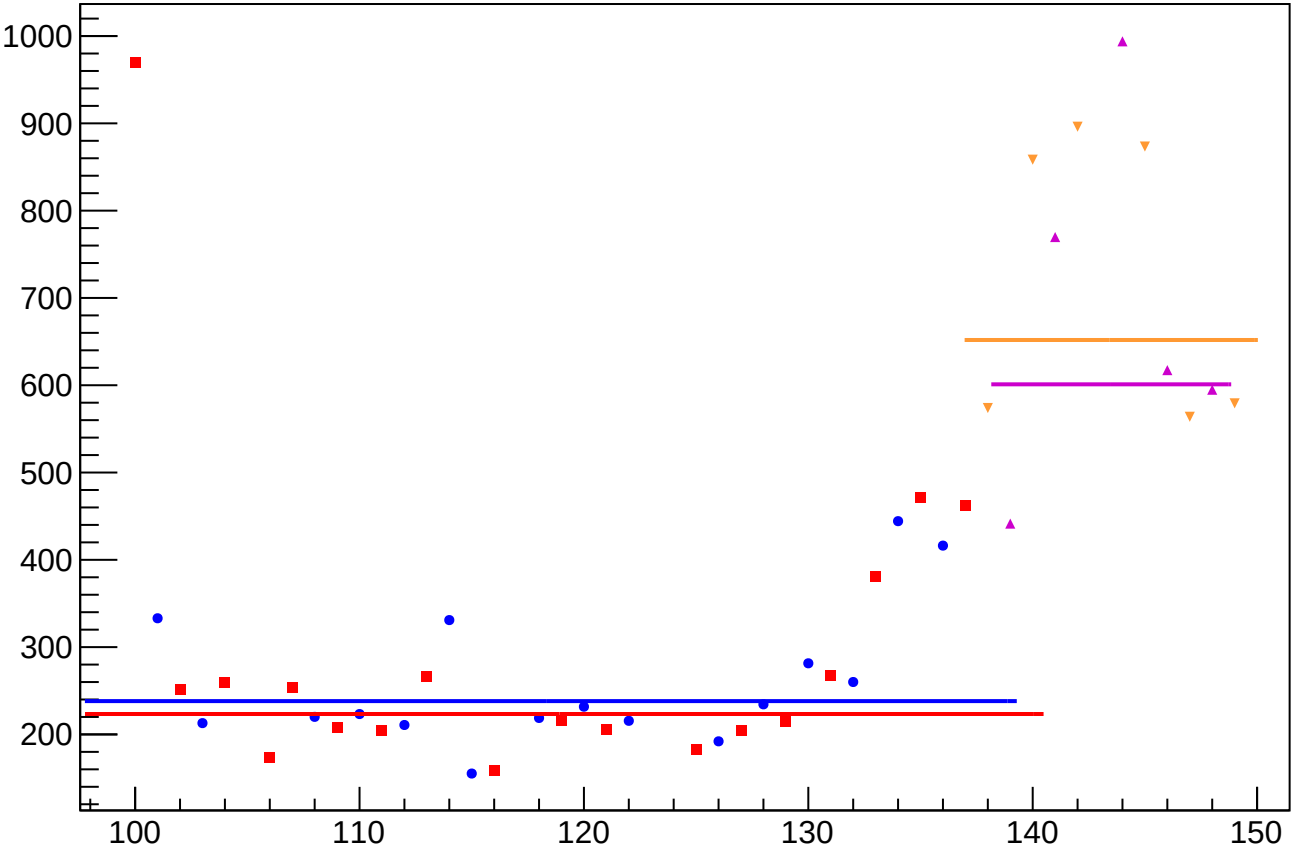
Left In: 0.357+/-0.303 χ^2/NDF:8.1/4

+ sign -0.006+/-0.090 χ^2/NDF: 25.3/21

All: -0.033+/-0.062 χ^2/NDF: 60.9/44

- 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: 651.833+/-0.224 χ^2/NDF:351687.4/5

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

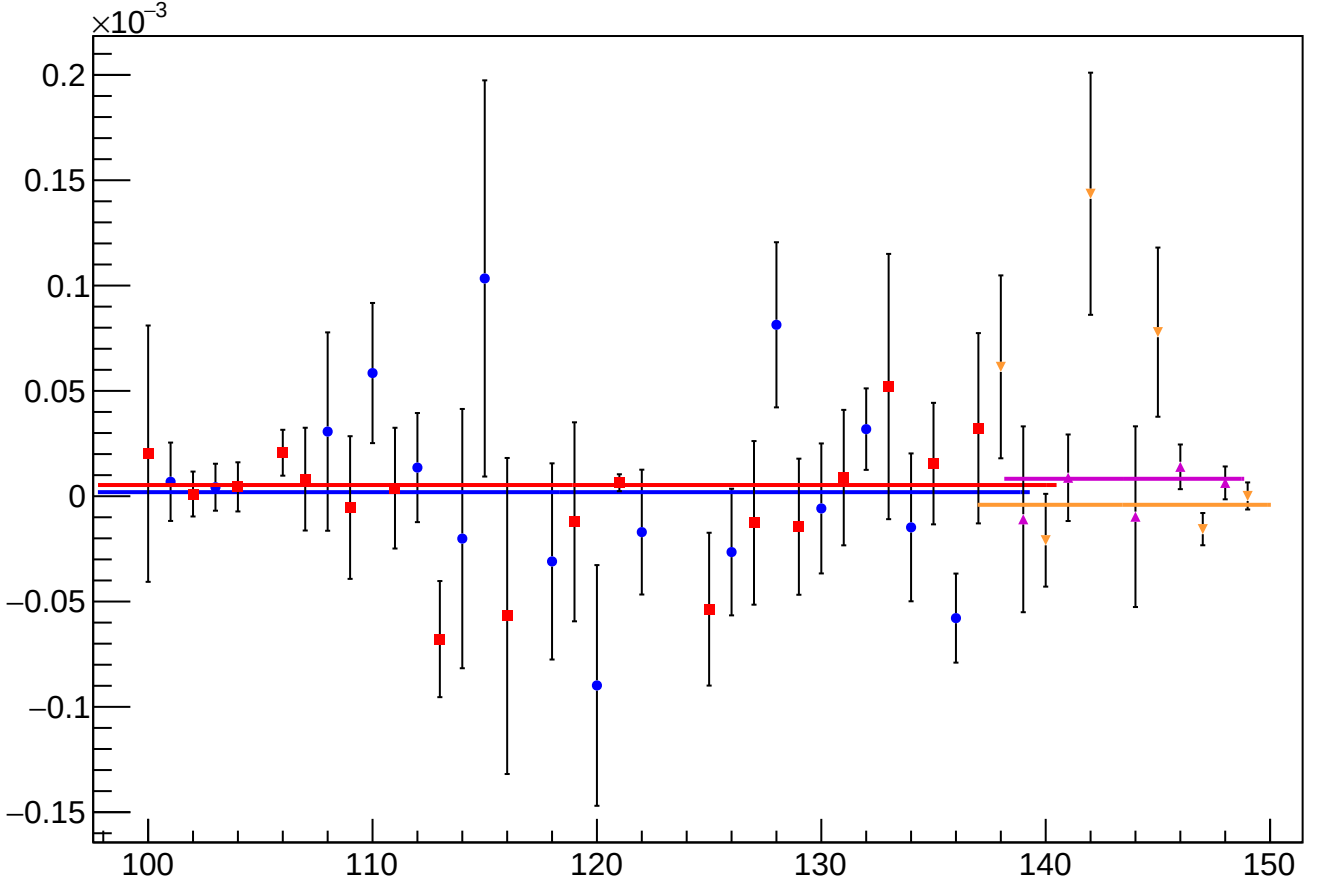
Left In: 601.039+/-0.214 χ^2/NDF:564043.0/4

+ sign 271.592+/-0.064 χ^2/NDF: 4302178.5/21

All: 262.431+/-0.044 χ^2/NDF: 8620089.7/44

- 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:16.3/5

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

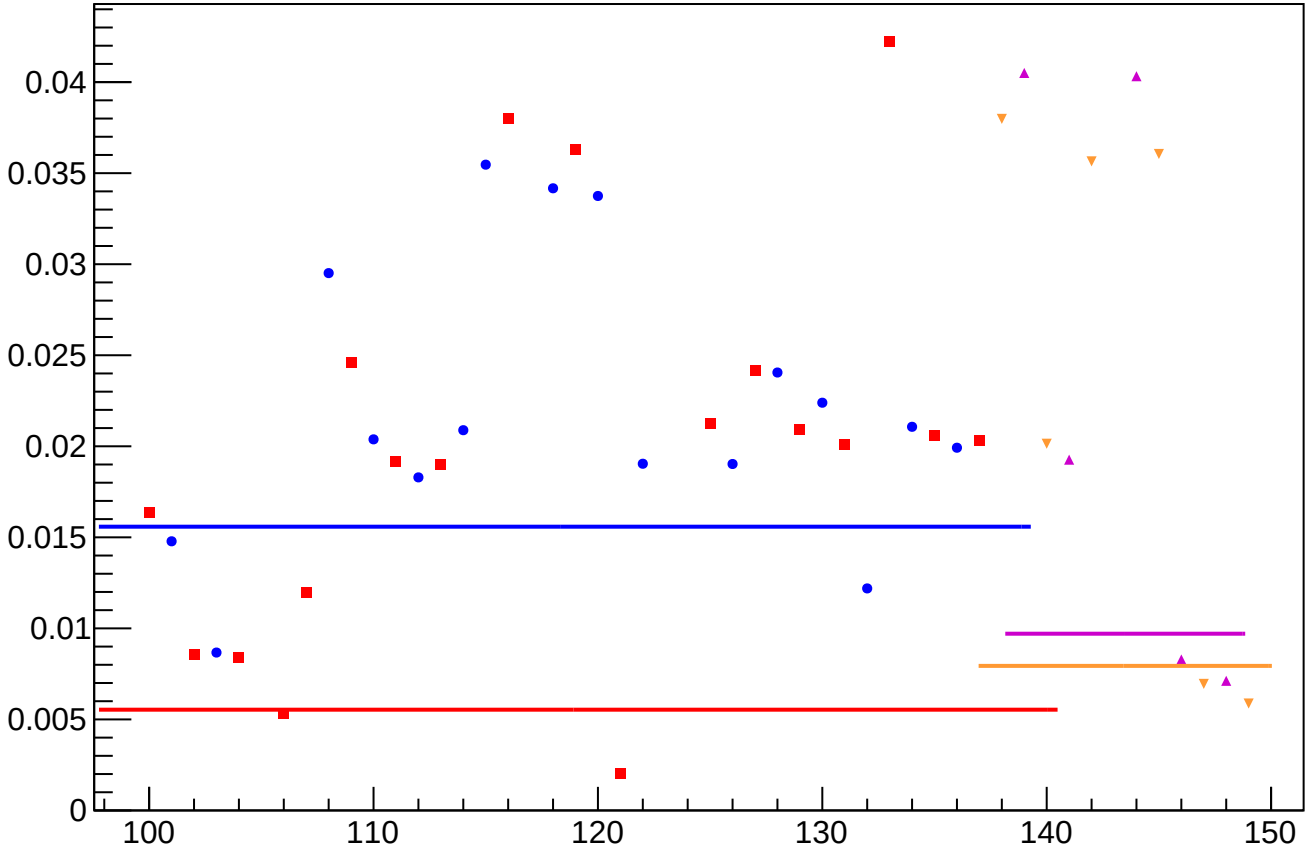
Left In: 0.000+/-0.000 χ^2/NDF:0.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/21

All: 0.000+/-0.000 χ^2/NDF: 59.2/44

- 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: 0.008+/-0.000 χ^2/NDF:3256628.2/5

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

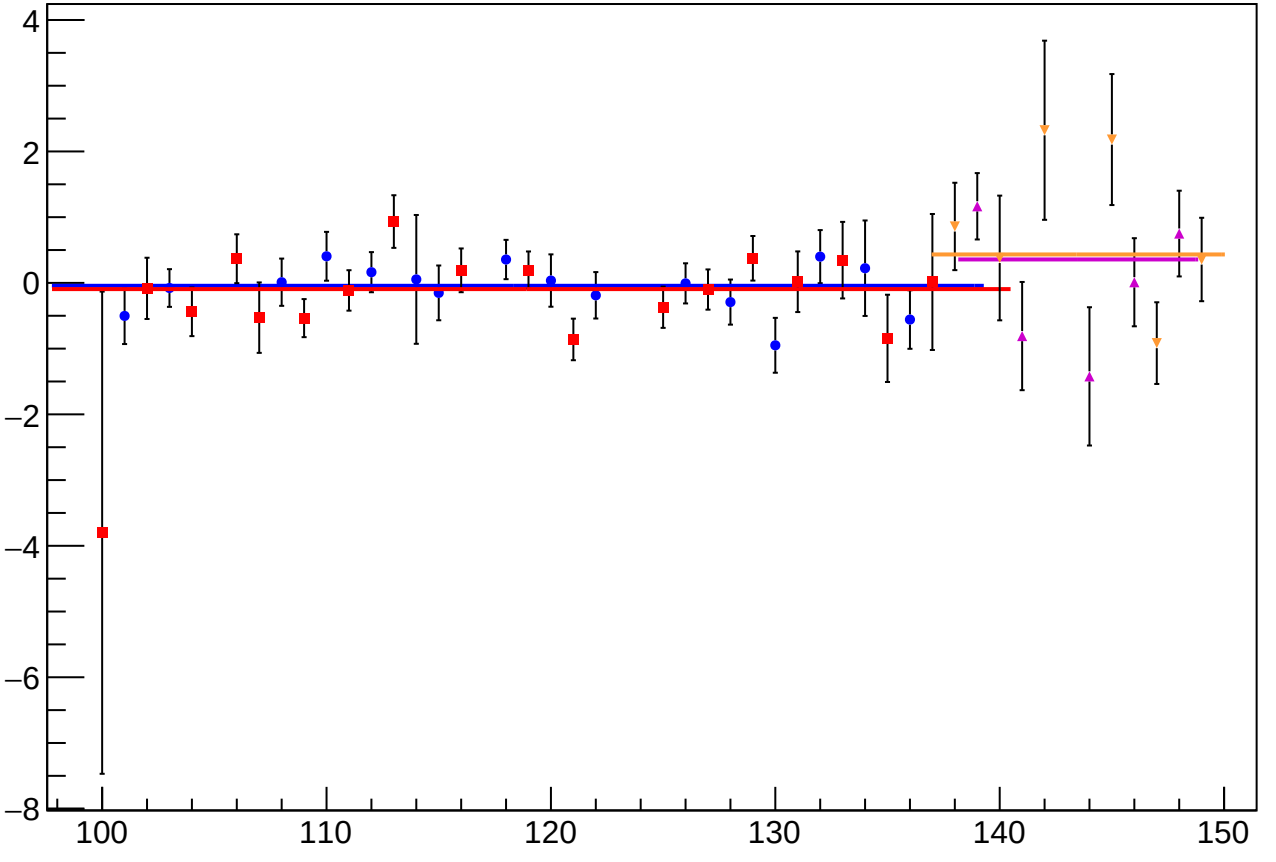
Left In: 0.010+/-0.000 χ^2/NDF:2682678.9/4

+ sign 0.011+/-0.000 χ^2/NDF: 7187203.0/21

All: 0.008+/-0.000 χ^2/NDF: 20154728.0/44

- 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: 0.433+/-0.316 χ^2/NDF:10.1/5

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

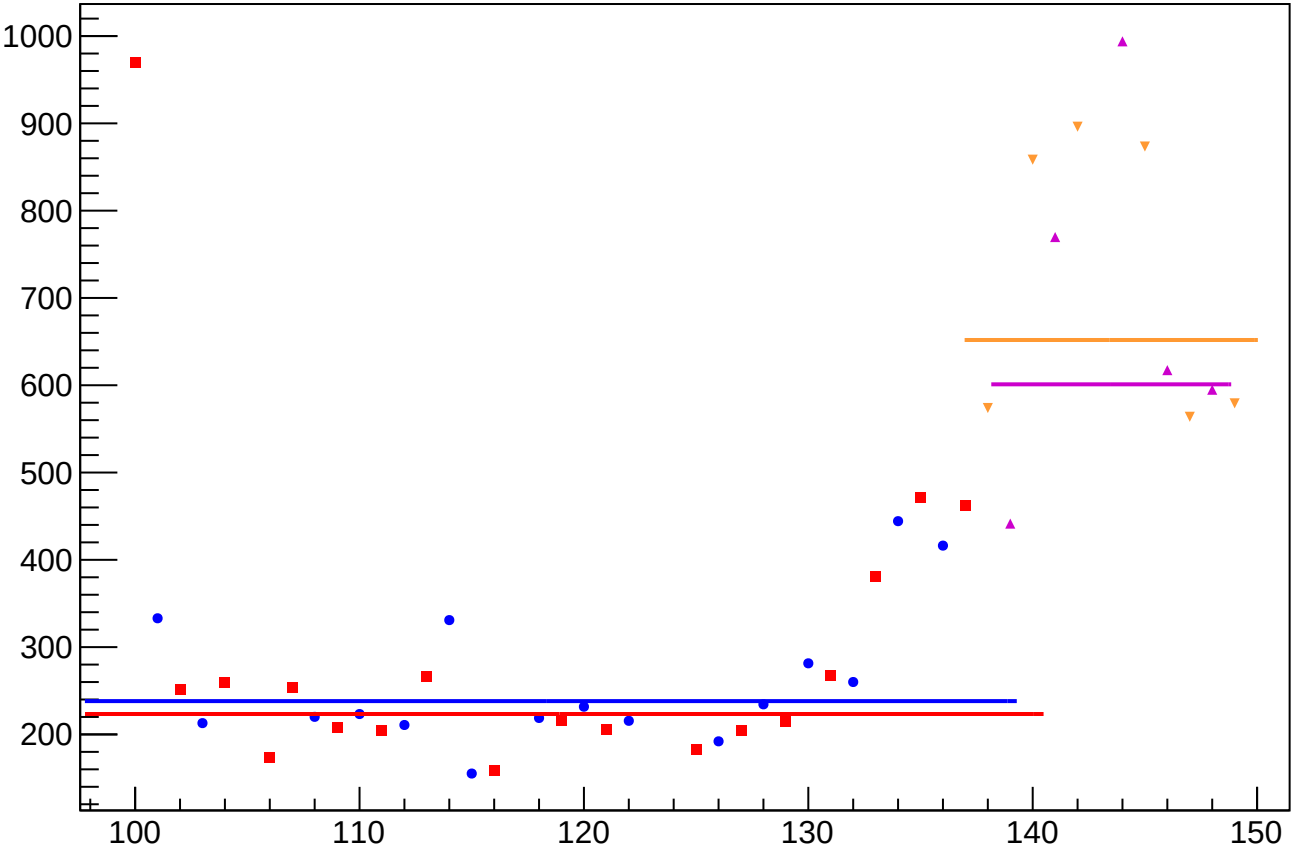
Left In: 0.357+/-0.303 χ^2/NDF:8.1/4

+ sign -0.006+/-0.090 χ^2/NDF: 25.3/21

All: -0.033+/-0.062 χ^2/NDF: 60.9/44

- 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: 651.836+/-0.224 χ^2/NDF:351716.3/5

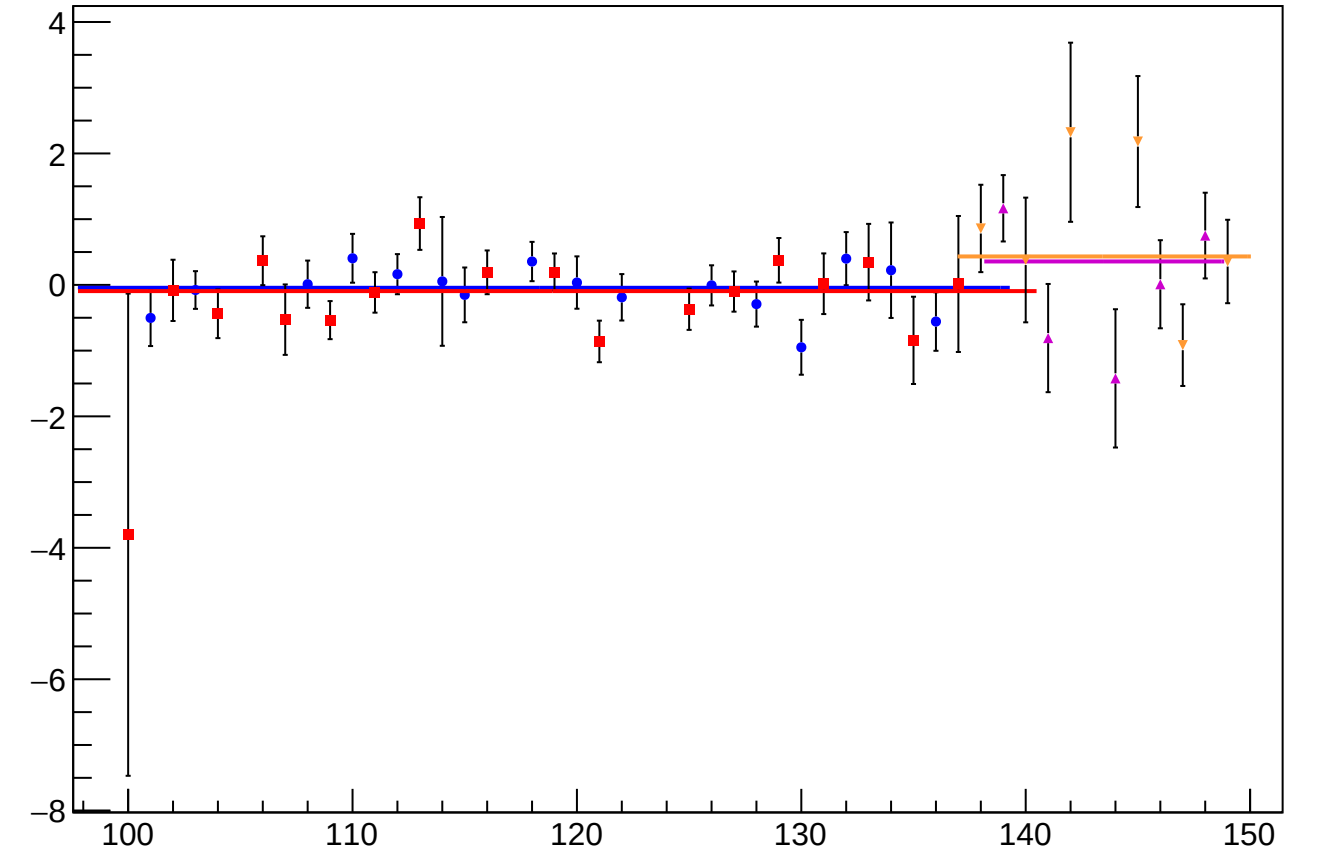
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 601.049+/-0.214 χ^2/NDF:564021.6/4

+ sign 271.593+/-0.064 χ^2/NDF: 4302177.5/21

All: 262.432+/-0.044 χ^2/NDF: 8620045.3/44

- 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: 0.433+/-0.316 χ^2/NDF:10.1/5

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

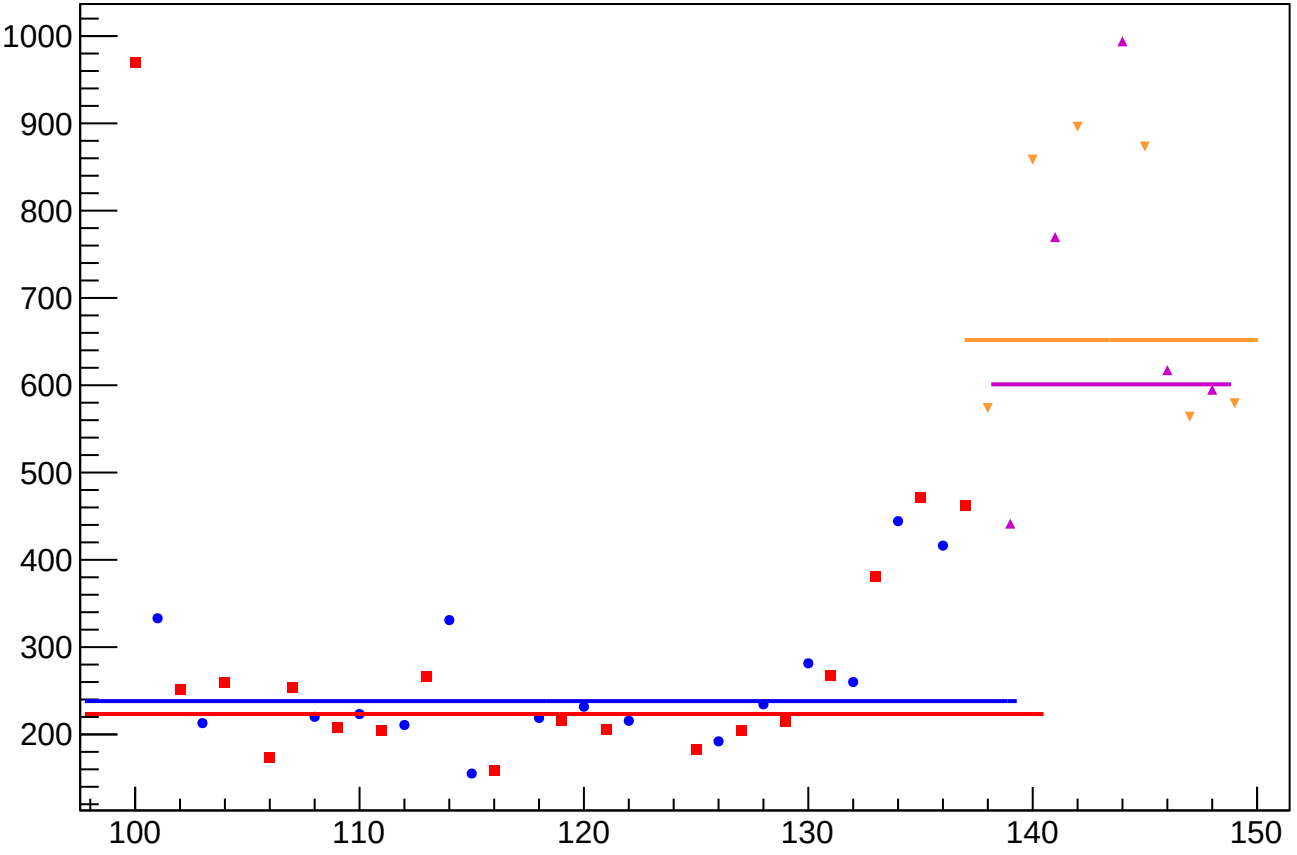
Left In: 0.357+/-0.303 χ^2/NDF:8.1/4

+ sign -0.006+/-0.090 χ^2/NDF: 25.3/21

All: -0.033+/-0.062 χ^2/NDF: 60.9/44

- sign -0.058+/-0.086 χ^2/NDF: 35.4/22

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 651.836+/-0.224 χ^2/NDF:351716.3/5

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

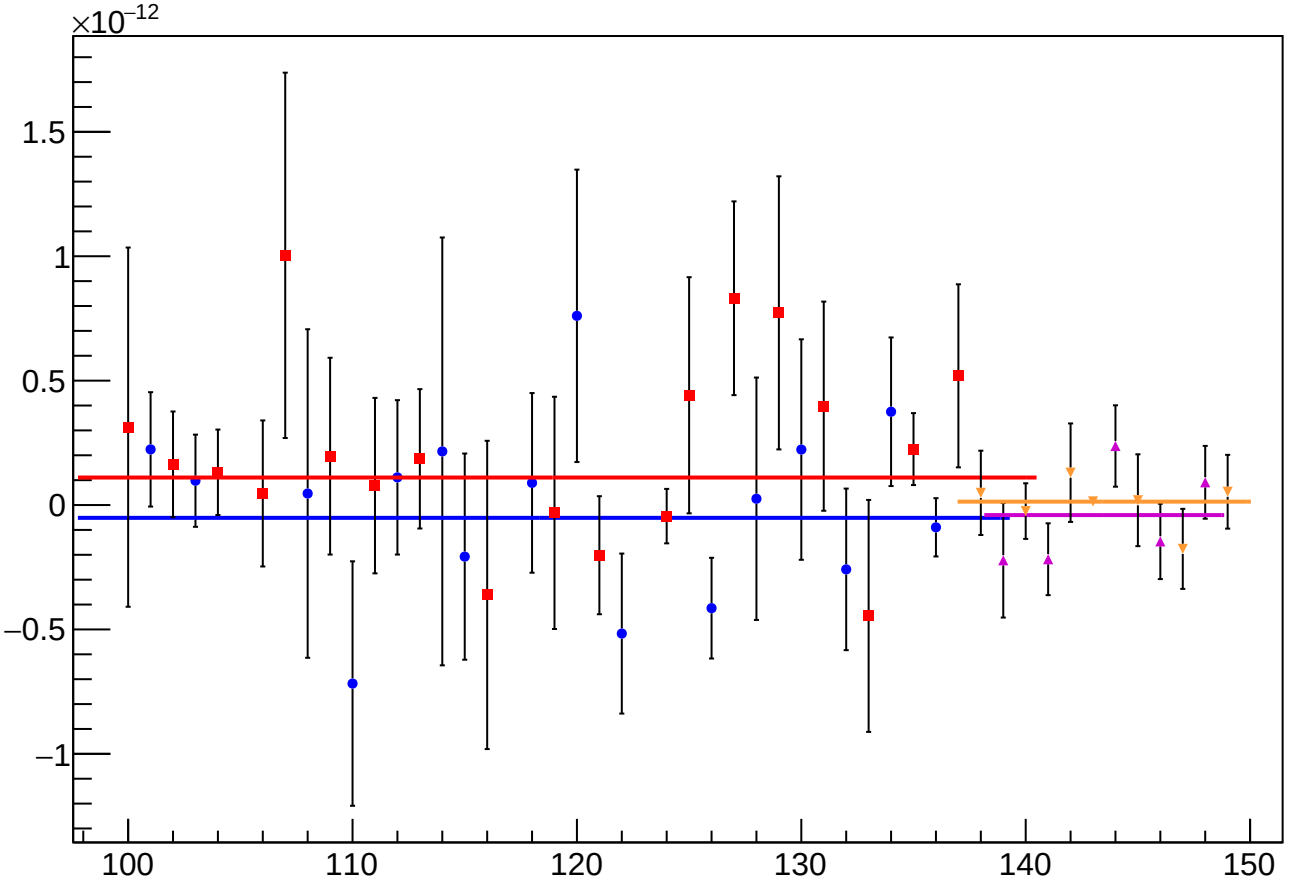
Left In: 601.049+/-0.214 χ^2/NDF:564021.6/4

+ sign 271.593+/-0.064 χ^2/NDF: 4302177.5/21

All: 262.432+/-0.044 χ^2/NDF: 8620045.3/44

- 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:2.0/6

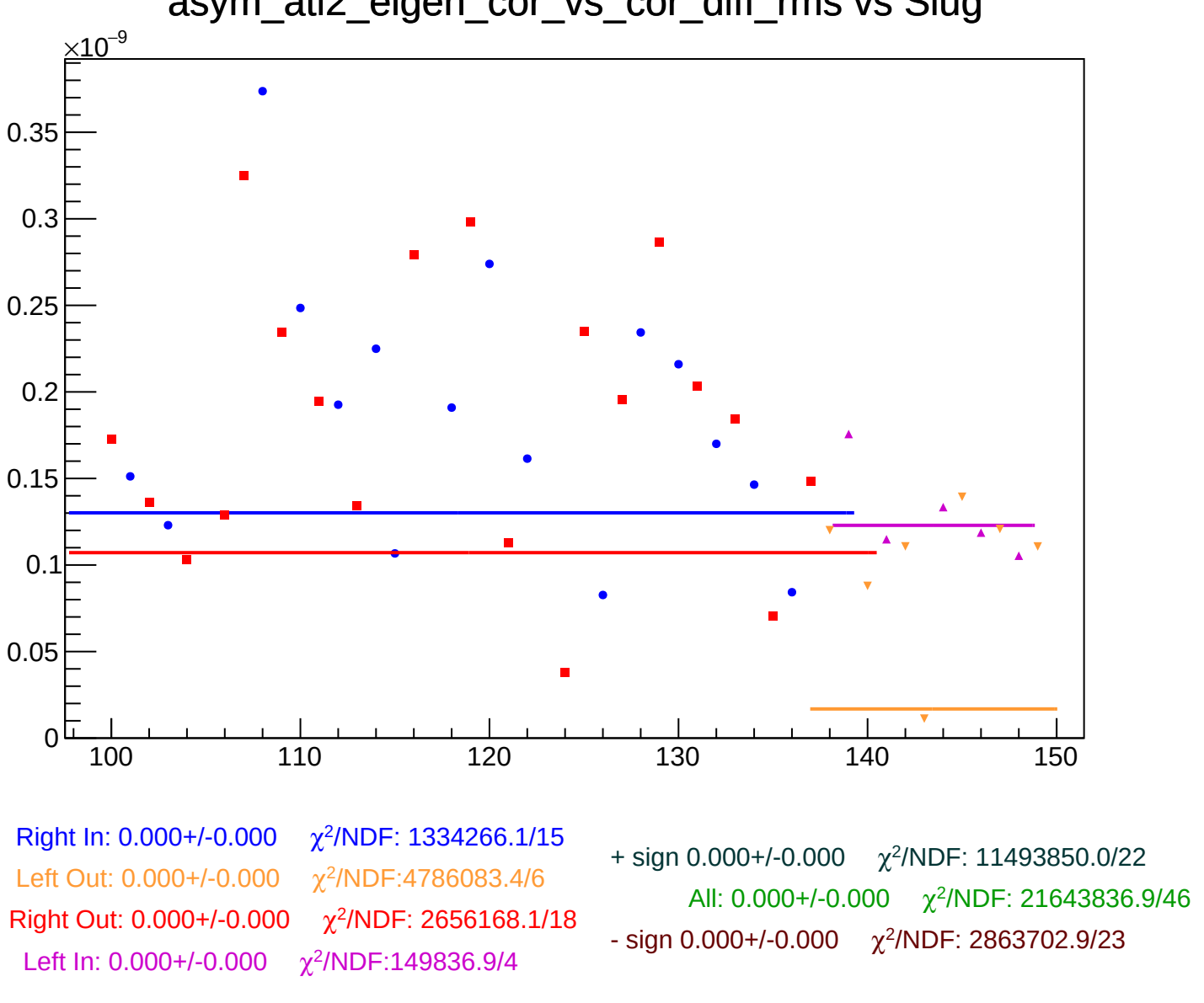
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

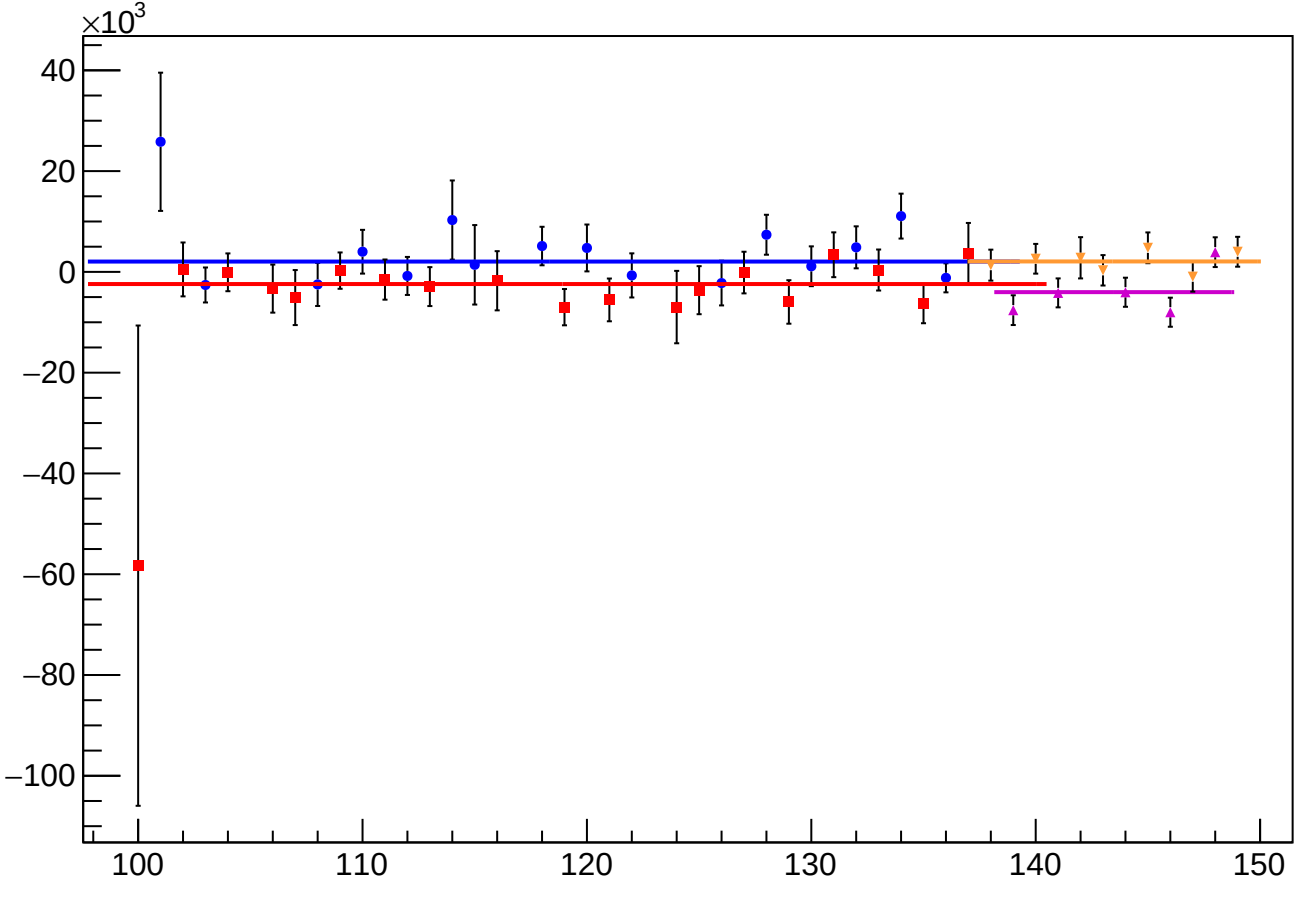
Left In: -0.000+/-0.000 χ^2/NDF:6.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 17.6/22

All: 0.000+/-0.000 χ^2/NDF: 42.6/46

- sign 0.000+/-0.000 χ^2/NDF: 24.3/23


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:4786083.4/6
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:149836.9/4
+ sign 0.000+/-0.000 χ²/NDF: 11493850.0/22
All: 0.000+/-0.000 χ²/NDF: 21643836.9/46
- sign 0.000+/-0.000 χ²/NDF: 2863702.9/23



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2071.791+/-1174.838 χ^2/NDF:2.7/6

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

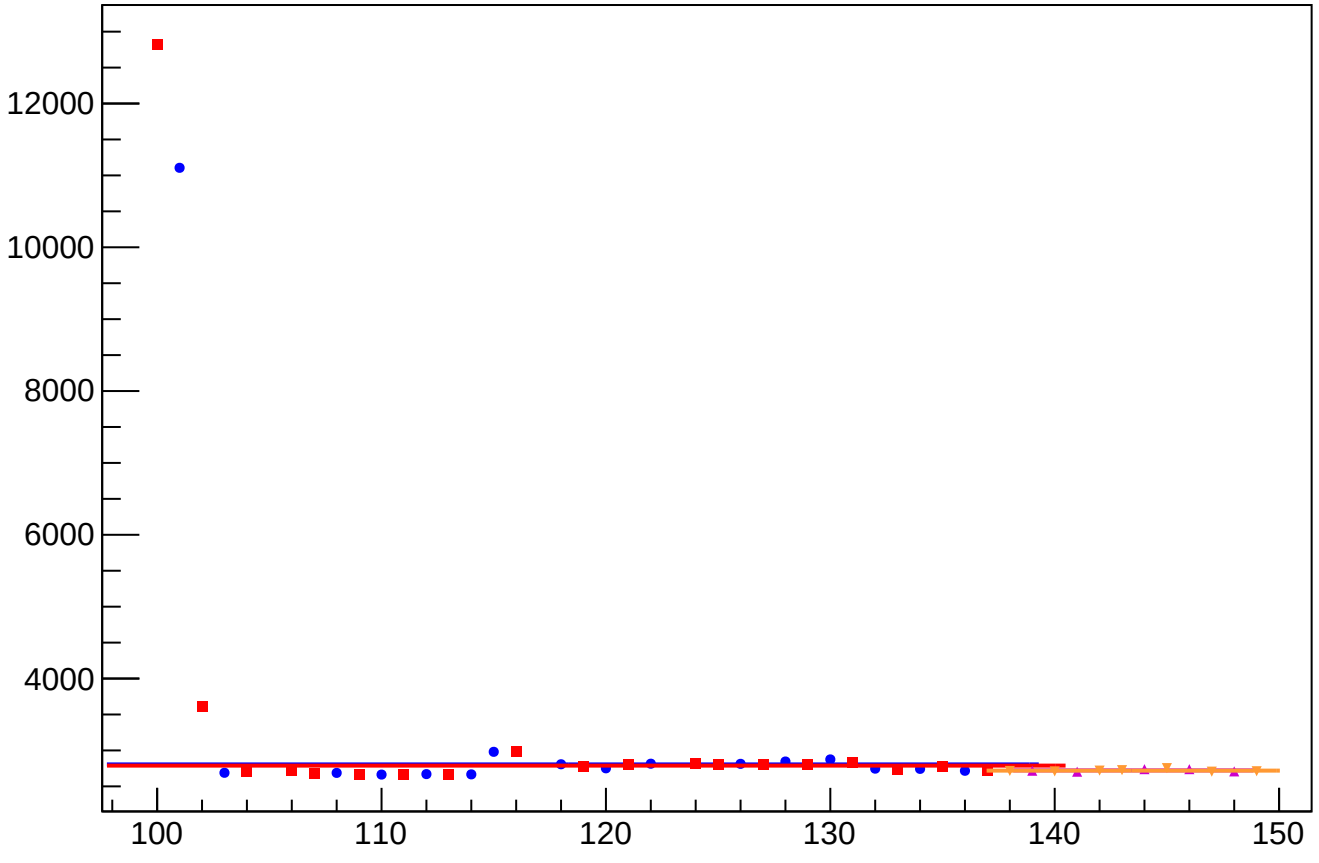
Left In: -4018.402+/-1301.395 χ^2/NDF:10.6/4

+ sign 2059.607+/-791.236 χ^2/NDF: 20.5/22

All: -426.959+/-566.101 χ^2/NDF: 63.0/46

- 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: 2719.138+/-0.831 χ^2/NDF:364.4/6

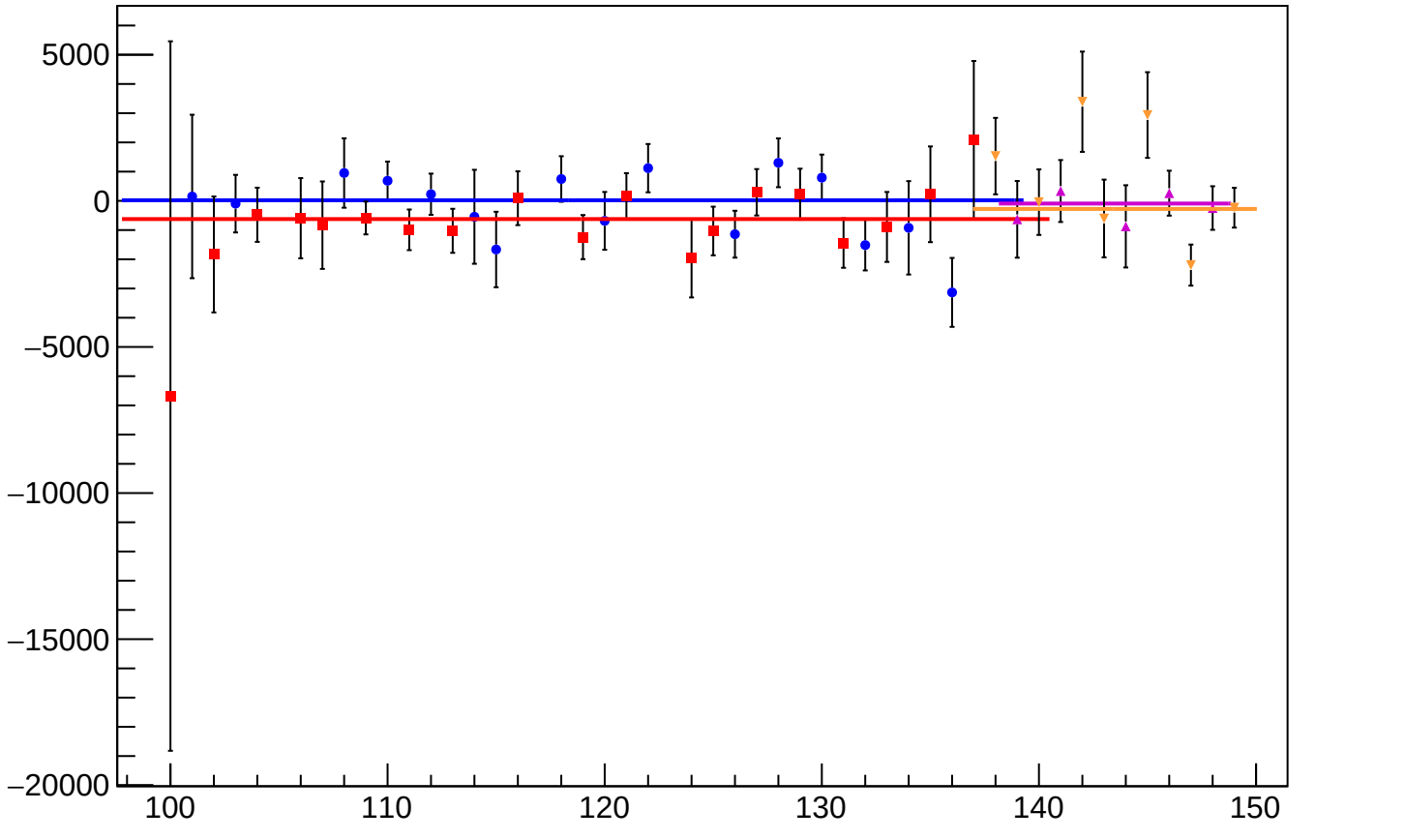
Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2722.144+/-0.920 χ^2/NDF:271.3/4

+ sign 2766.298+/-0.559 χ^2/NDF: 752502.9/22

All: 2764.675+/-0.400 χ^2/NDF: 903004.5/46

- sign 2762.973+/-0.573 χ^2/NDF: 150484.4/23



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -276.364+/-379.907 χ^2/NDF:18.9/6

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

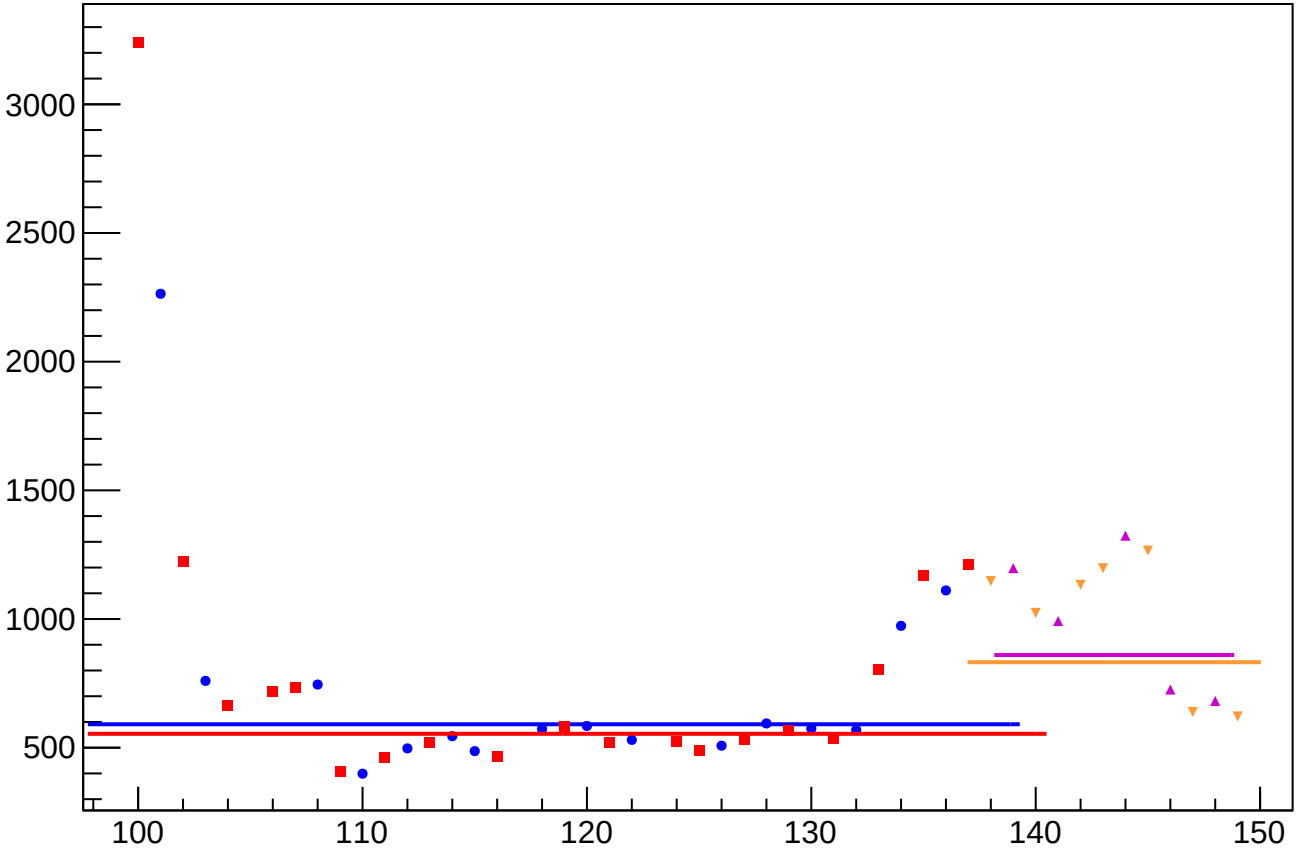
Left In: -92.388+/-427.842 χ^2/NDF:0.9/4

+ sign -61.990+/-198.919 χ^2/NDF: 42.1/22

All: -295.771+/-138.437 χ^2/NDF: 56.1/46

- 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: 832.319+/-0.269 χ^2/NDF:904529.0/6

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

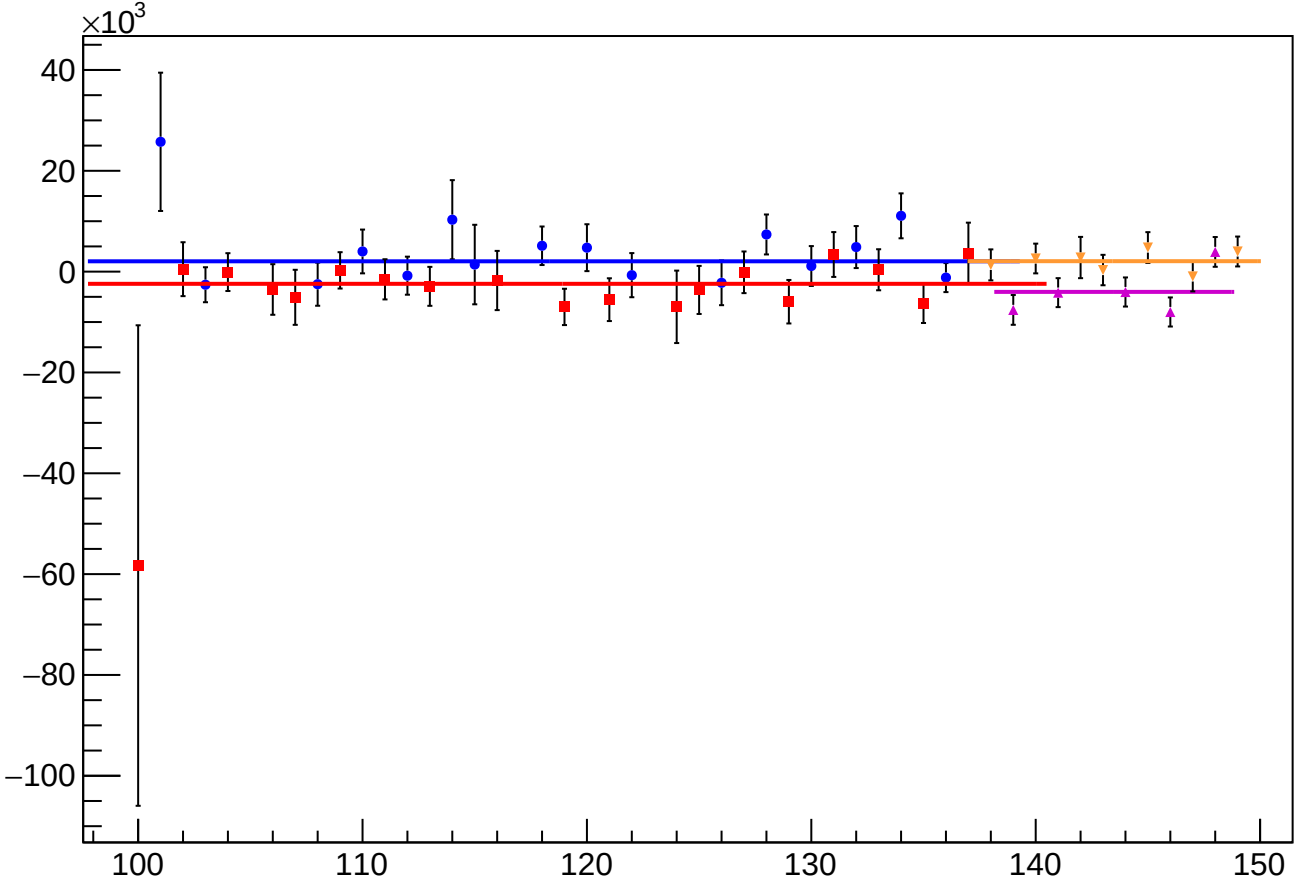
Left In: 860.285+/-0.303 χ^2/NDF:555365.2/4

+ sign 657.189+/-0.141 χ^2/NDF: 3057729.0/22

All: 636.038+/-0.098 χ^2/NDF: 5590829.7/46

- 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: 2071.746+/-1174.838 χ^2/NDF:2.7/6

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

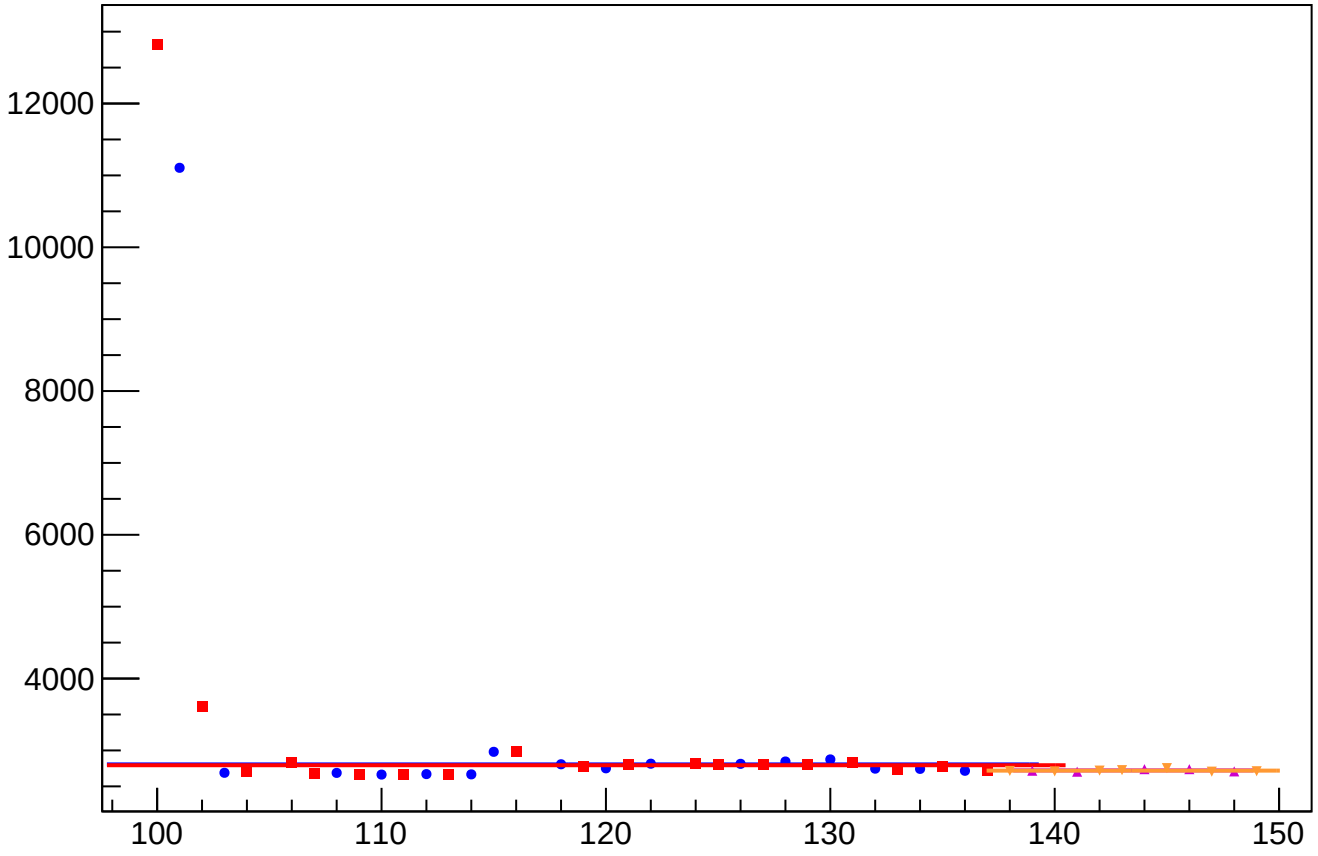
Left In: -4018.565+/-1301.395 χ^2/NDF:10.6/4

+ sign 2059.146+/-791.236 χ^2/NDF: 20.5/22

All: -426.302+/-566.490 χ^2/NDF: 63.0/46

- 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: 2719.138+/-0.831 χ^2/NDF:364.4/6

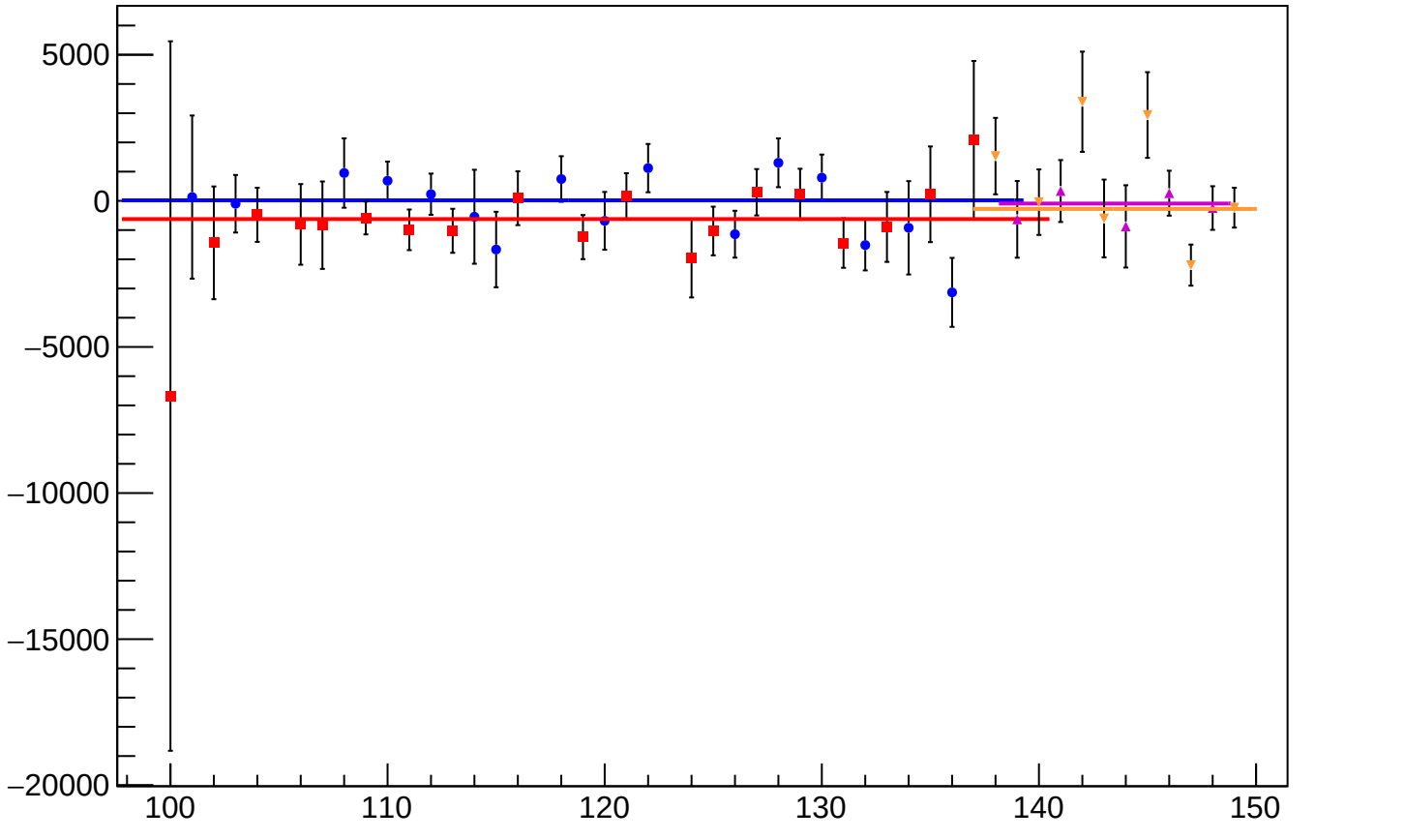
Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2722.144+/-0.920 χ^2/NDF:271.3/4

+ sign 2766.298+/-0.559 χ^2/NDF: 752502.0/22

All: 2766.232+/-0.401 χ^2/NDF: 903260.9/46

- sign 2766.162+/-0.574 χ^2/NDF: 150758.9/23



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -276.451+/-379.903 χ^2/NDF:18.9/6

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

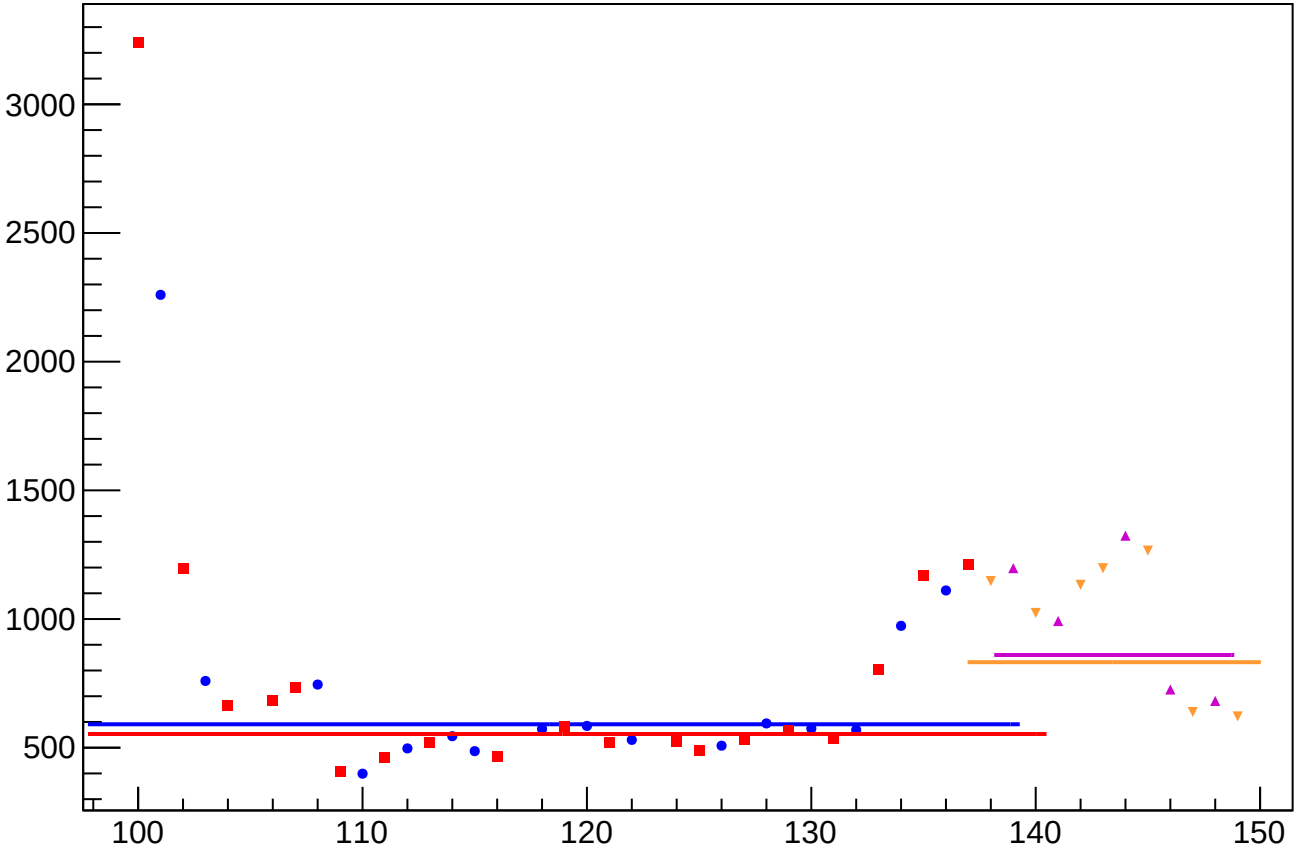
Left In: -92.458+/-427.834 χ^2/NDF:0.9/4

\+ sign -62.039+/-198.911 χ^2/NDF: 42.1/22

All: -296.307+/-138.422 χ^2/NDF: 56.0/46

\- 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: 832.308+/-0.269 χ^2/NDF:904542.6/6

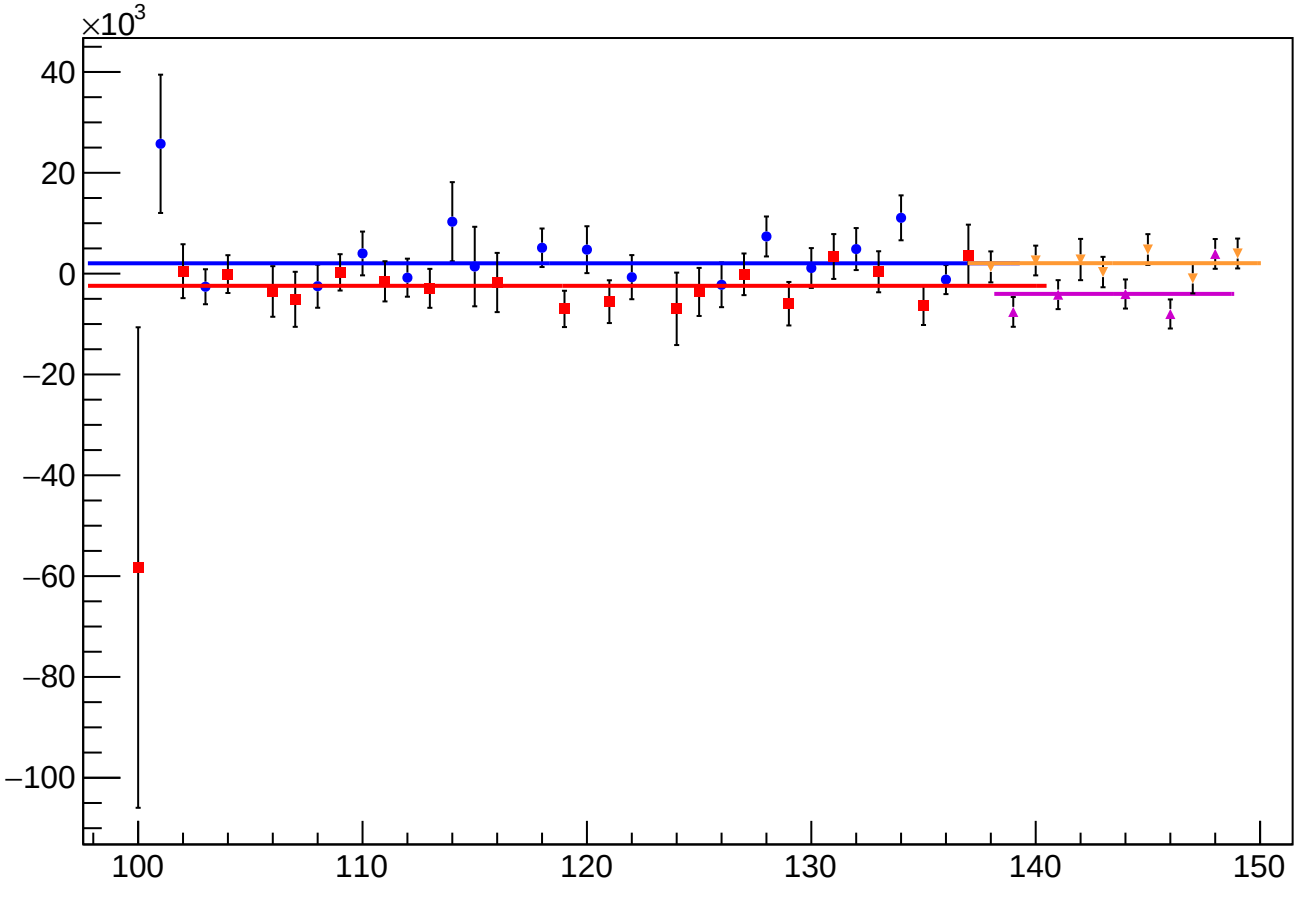
Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 860.263+/-0.303 χ^2/NDF:555437.8/4

+ sign 657.181+/-0.141 χ^2/NDF: 3056691.4/22

All: 635.711+/-0.098 χ^2/NDF: 5579908.1/46

- sign 615.551+/-0.136 χ^2/NDF: 2478037.9/23



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2071.746+/-1174.838 χ^2/NDF:2.7/6

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

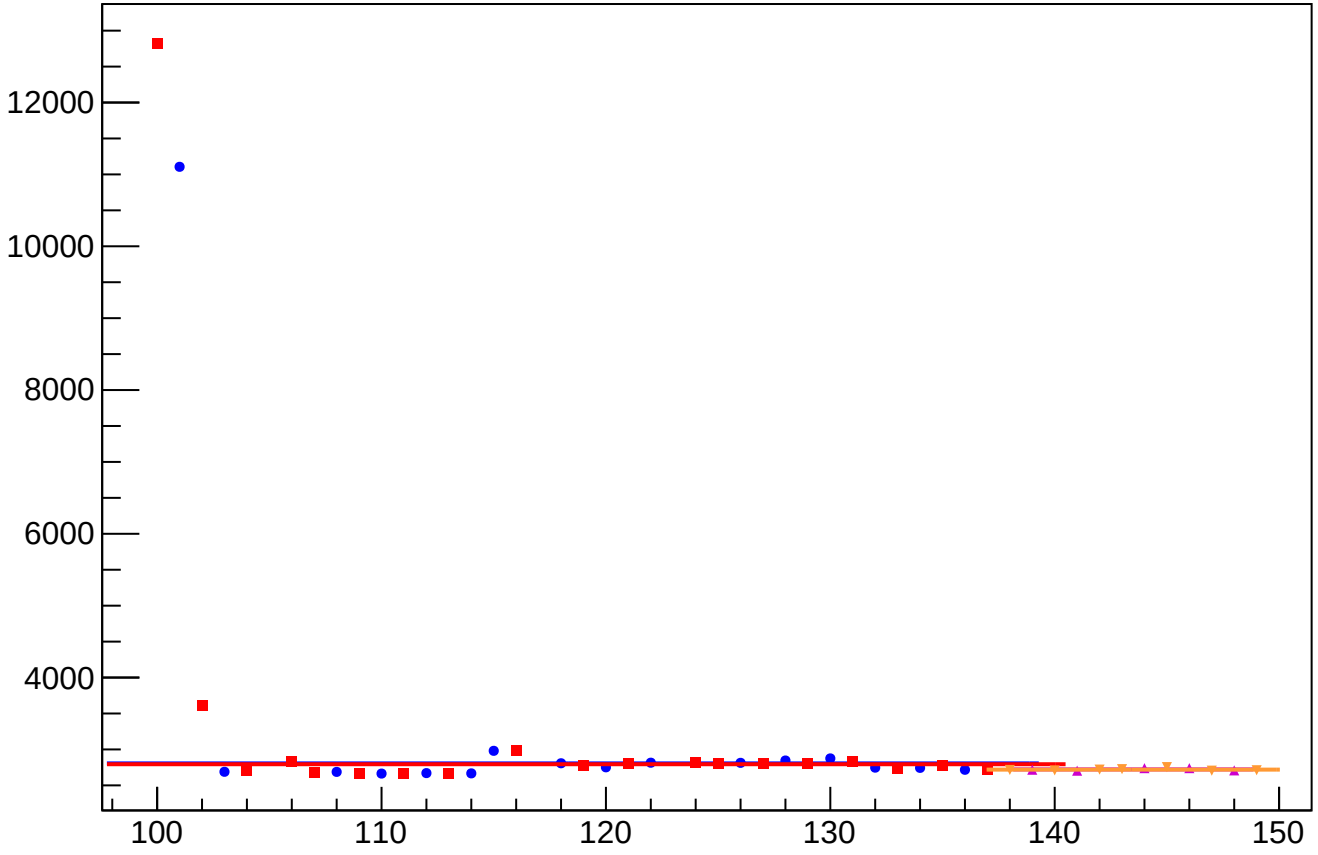
Left In: -4018.565+/-1301.395 χ^2/NDF:10.6/4

+ sign 2059.146+/-791.236 χ^2/NDF: 20.5/22

All: -426.302+/-566.490 χ^2/NDF: 63.0/46

- 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: 2719.138+/-0.831 χ^2/NDF:364.4/6

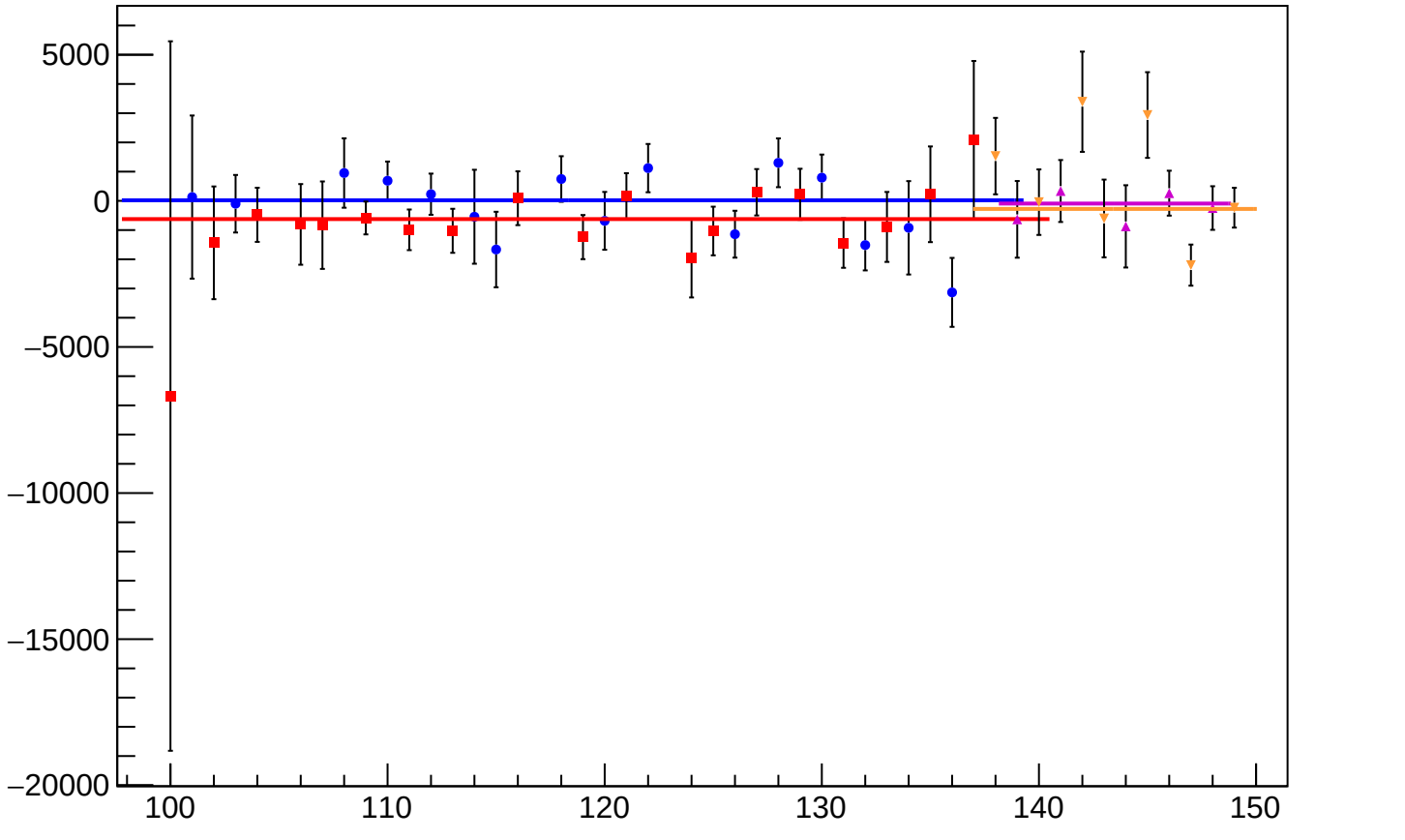
Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2722.144+/-0.920 χ^2/NDF:271.3/4

+ sign 2766.298+/-0.559 χ^2/NDF: 752502.0/22

All: 2766.232+/-0.401 χ^2/NDF: 903260.9/46

- sign 2766.162+/-0.574 χ^2/NDF: 150758.9/23



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -276.451+/-379.903 χ^2/NDF:18.9/6

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

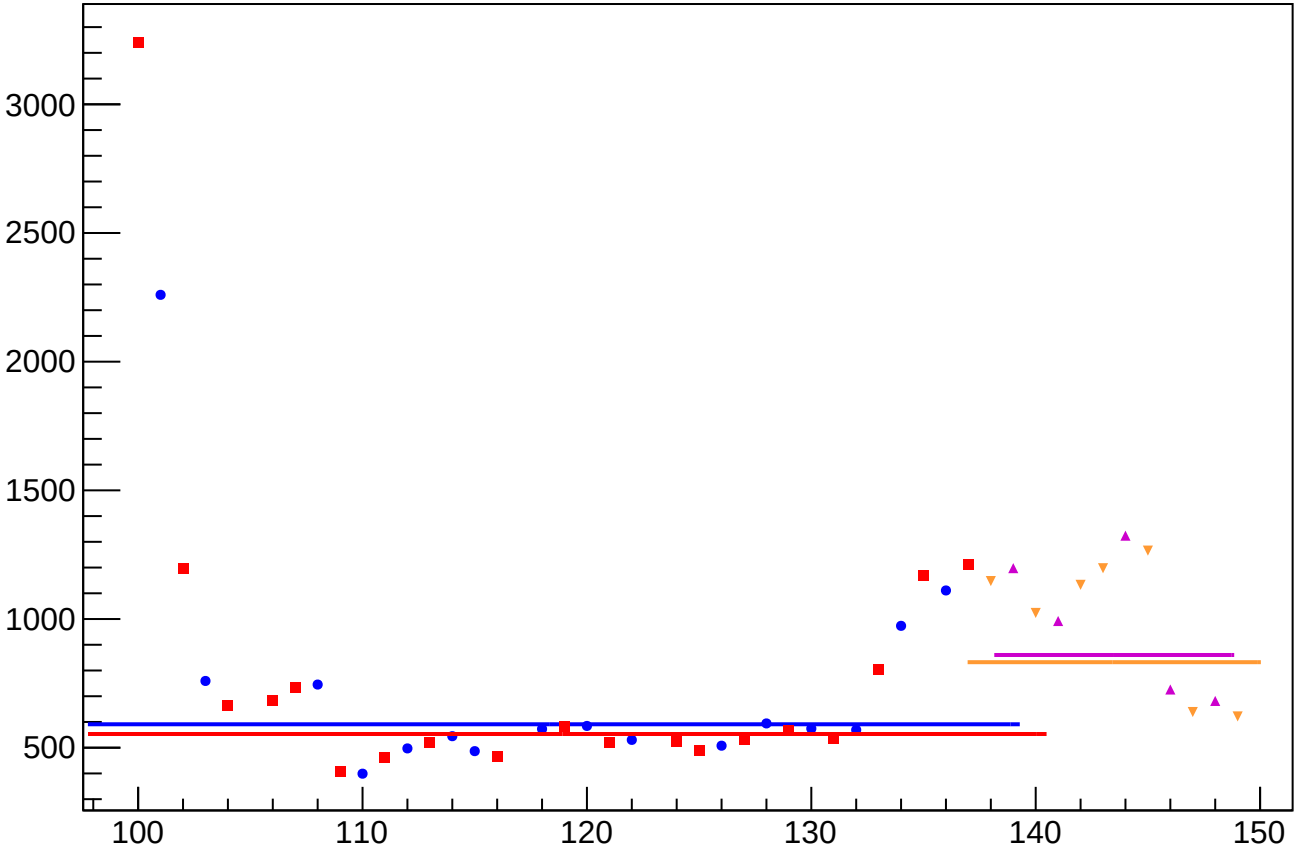
Left In: -92.458+/-427.834 χ^2/NDF:0.9/4

\+ sign -62.039+/-198.911 χ^2/NDF: 42.1/22

All: -296.307+/-138.422 χ^2/NDF: 56.0/46

\- 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: 832.308+/-0.269 χ^2/NDF:904542.6/6

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

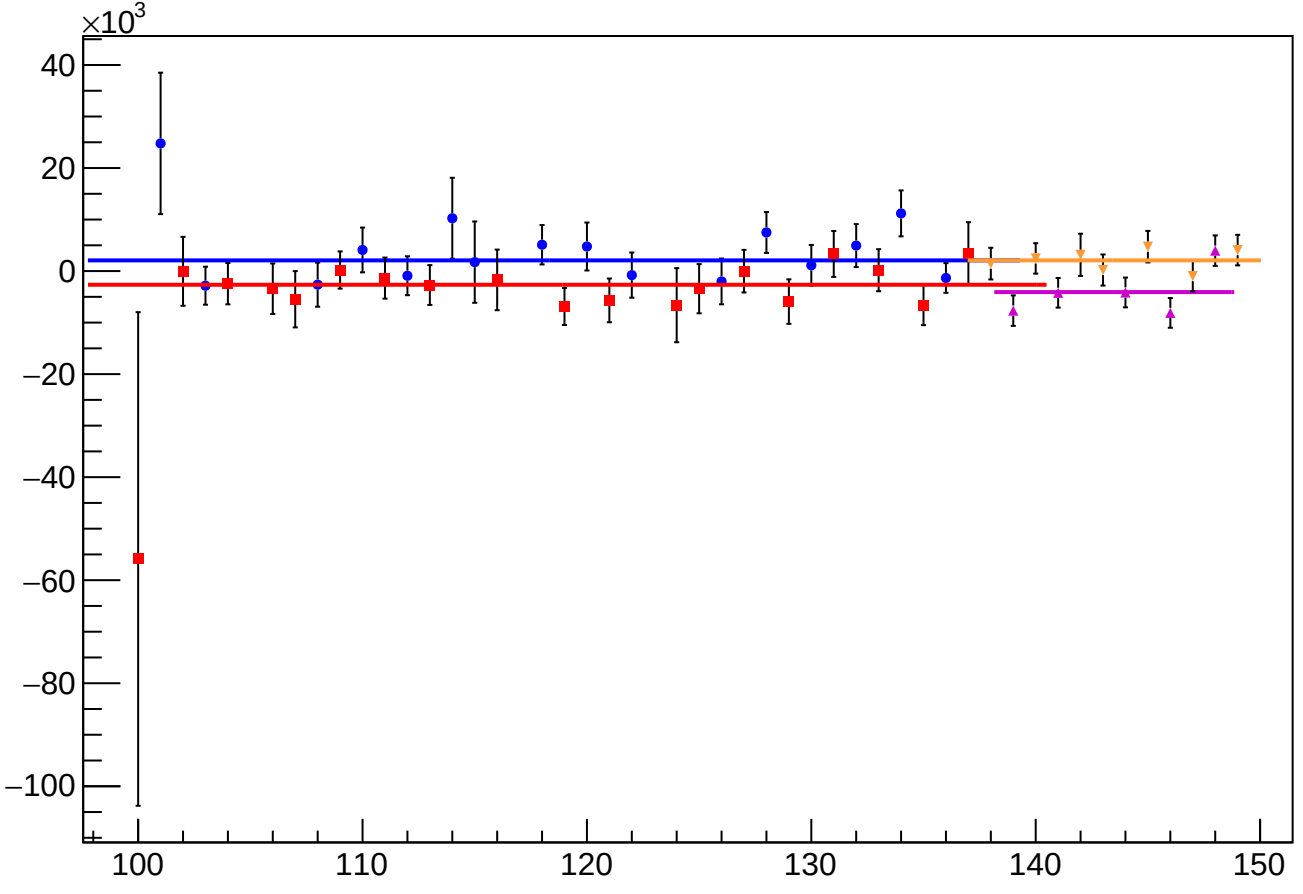
Left In: 860.263+/-0.303 χ^2/NDF:555437.8/4

+ sign 657.181+/-0.141 χ^2/NDF: 3056691.4/22

All: 635.711+/-0.098 χ^2/NDF: 5579908.1/46

- 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: 2081.026+/-1175.793 χ^2/NDF:2.8/6

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

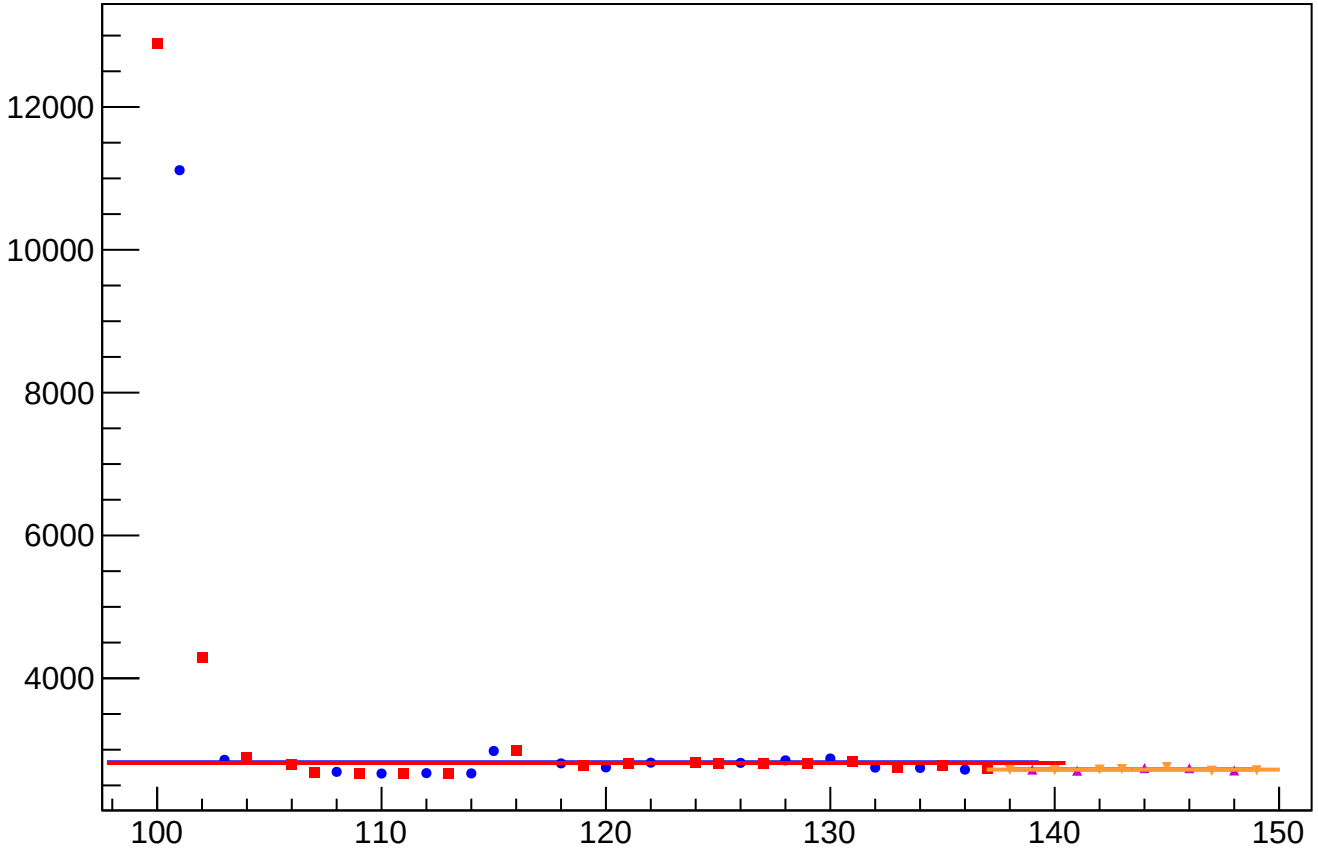
Left In: -4079.097+/-1302.457 χ^2/NDF:10.8/4

+ sign 2077.623+/-794.261 χ^2/NDF: 20.6/22

All: -493.868+/-569.627 χ^2/NDF: 63.7/46

- 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: 2721.343+/-0.831 χ^2/NDF:381.7/6

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

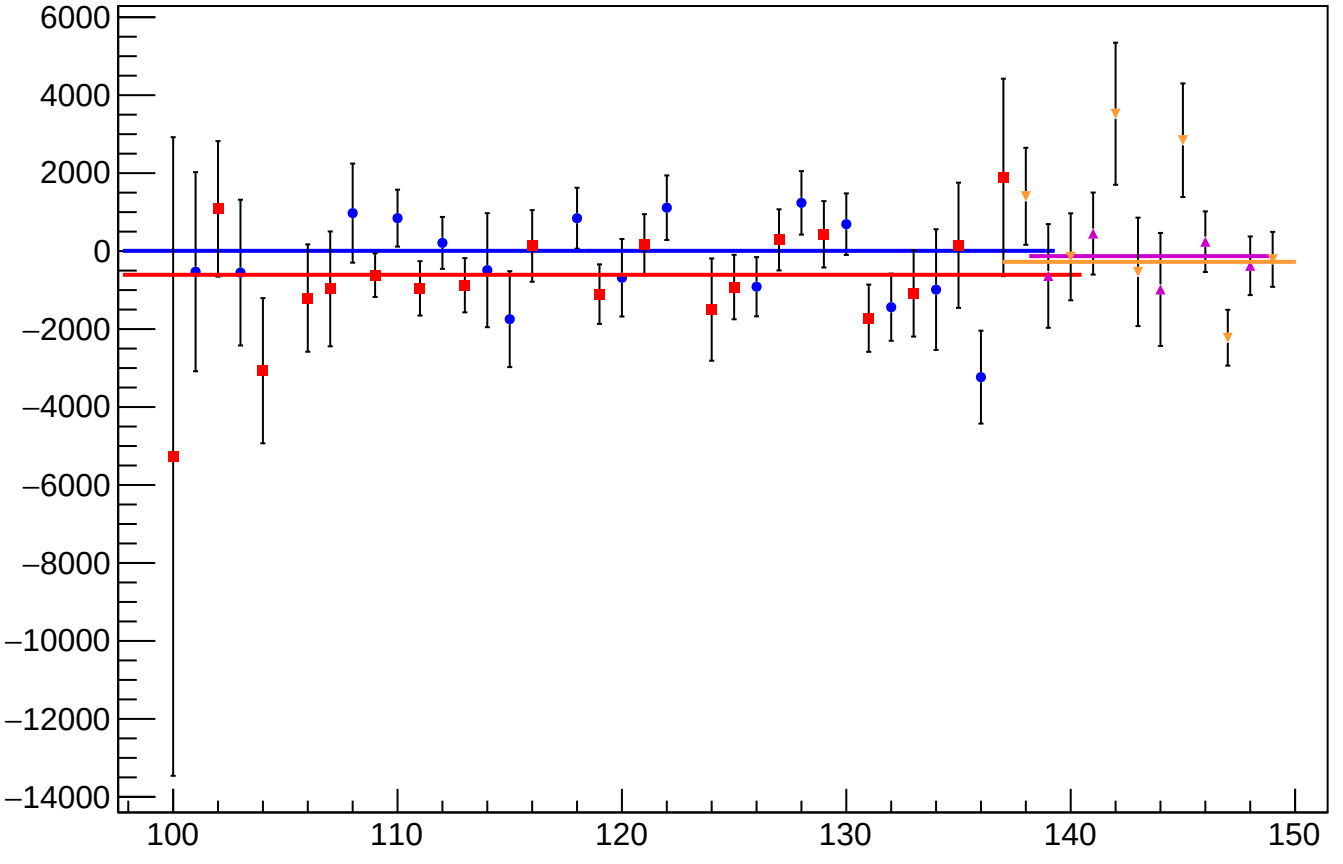
Left In: 2724.343+/-0.921 χ^2/NDF:279.5/4

+ sign 2776.856+/-0.562 χ^2/NDF: 752497.7/22

All: 2777.694+/-0.403 χ^2/NDF: 959015.3/46

- 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: -275.450+/-386.361 χ^2/NDF:18.2/6

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

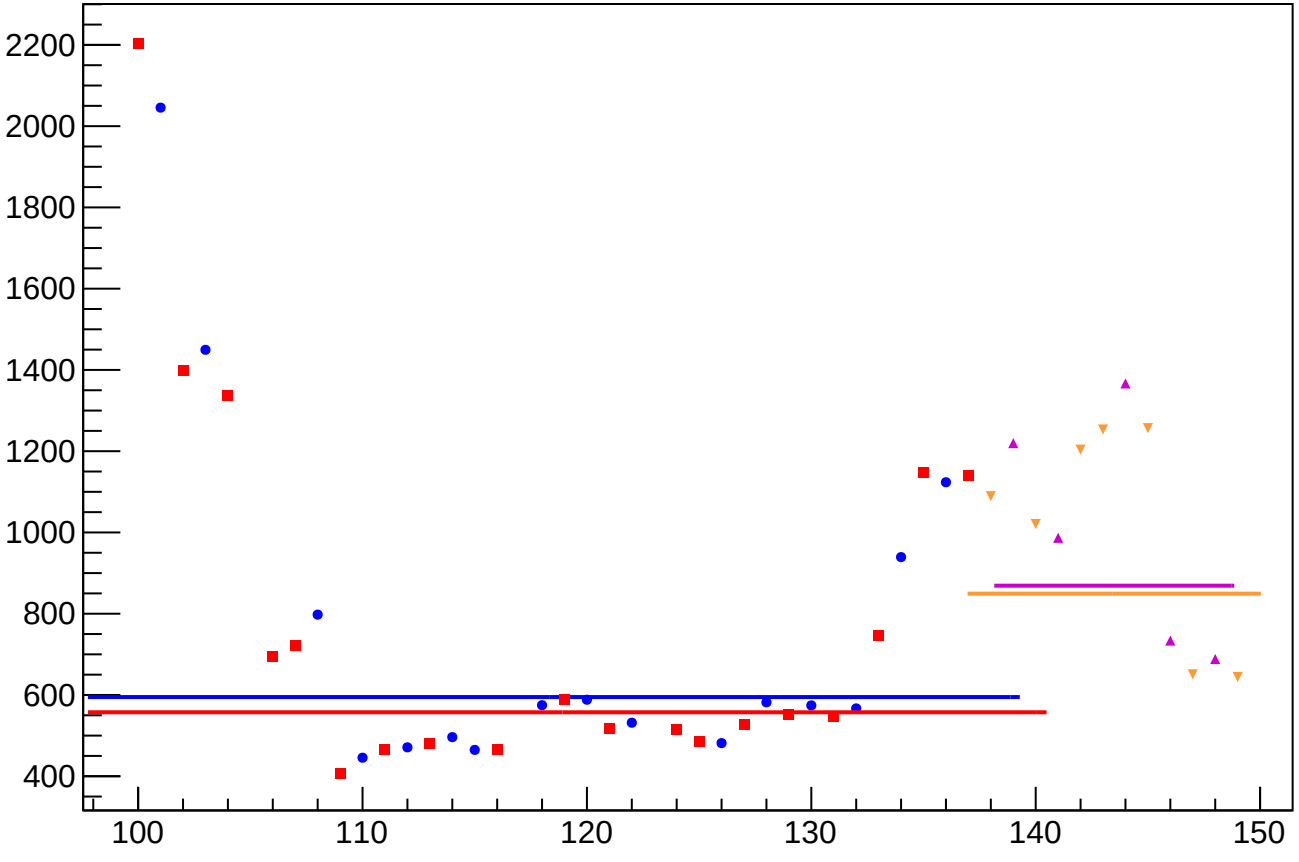
Left In: -128.554+/-431.928 χ^2/NDF:1.1/4

+ sign -70.403+/-202.302 χ^2/NDF: 41.4/22

All: -299.974+/-140.011 χ^2/NDF: 58.1/46

- 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: 849.370+/-0.273 χ^2/NDF:844983.0/6

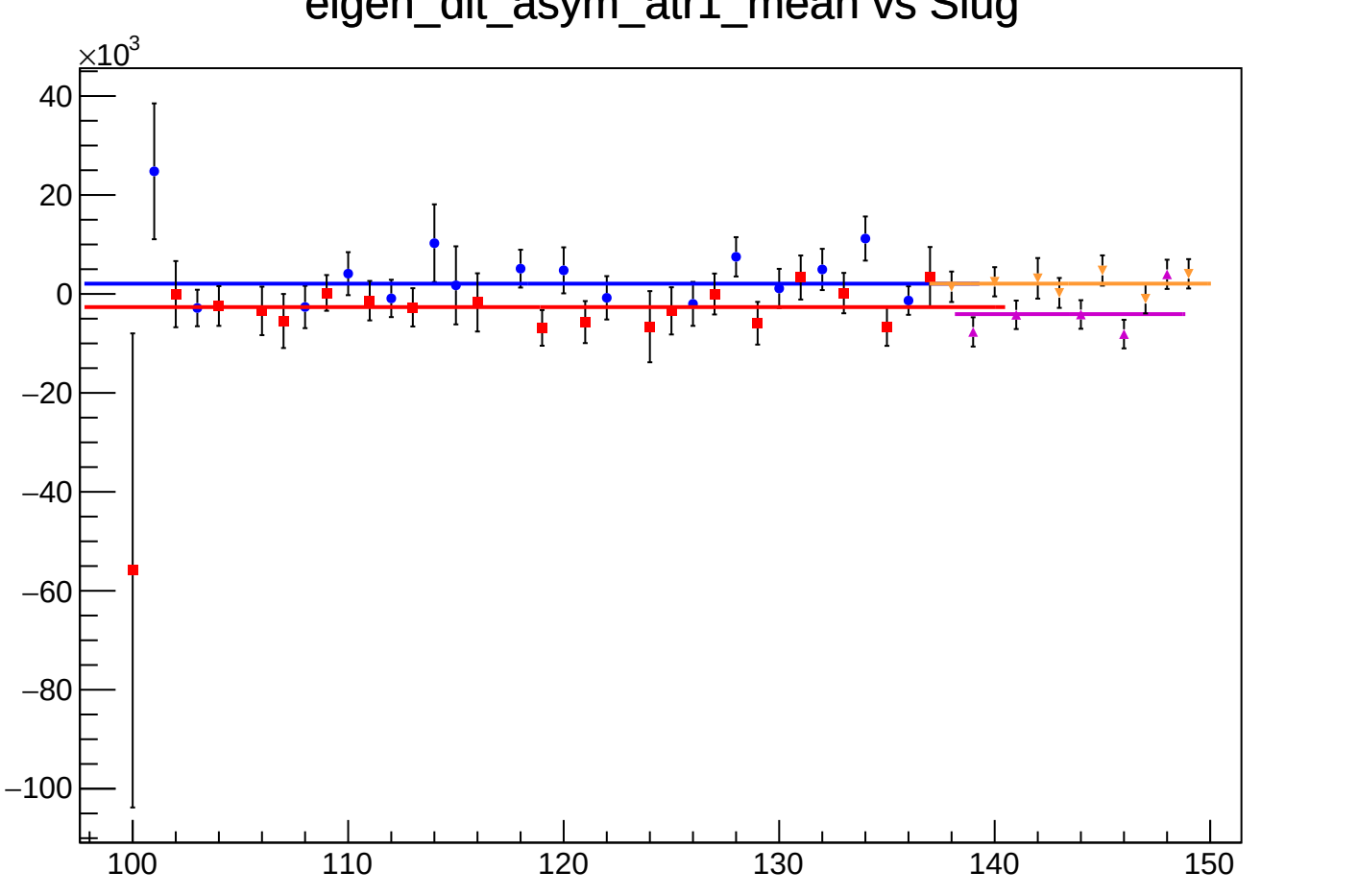
Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 868.989+/-0.305 χ^2/NDF:575217.9/4

+ sign 664.636+/-0.143 χ^2/NDF: 3327578.1/22

All: 641.504+/-0.099 χ^2/NDF: 6415219.3/46

- sign 620.237+/-0.137 χ^2/NDF: 3037449.9/23



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2081.027+/-1175.793 χ^2/NDF:2.8/6

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

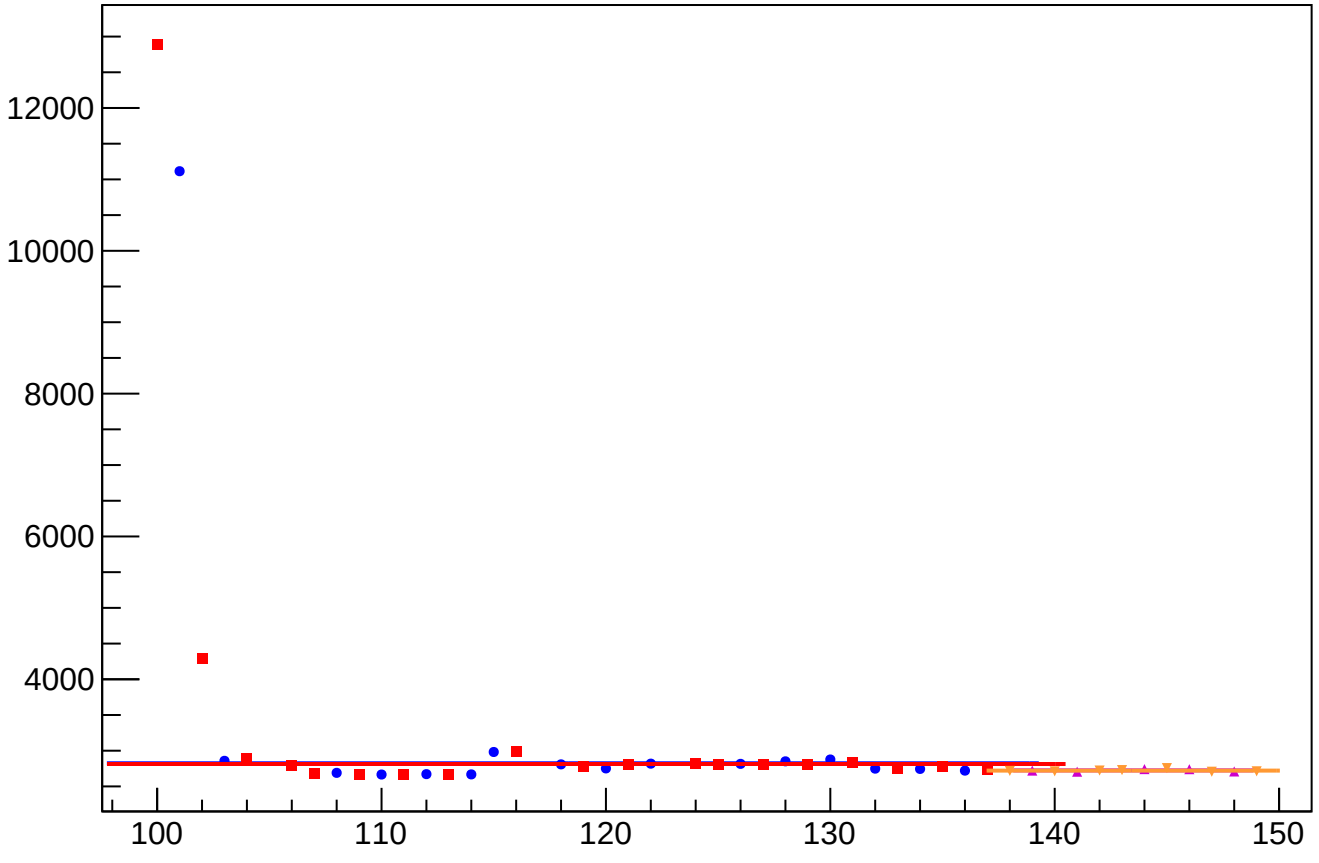
Left In: -4079.097+/-1302.457 χ^2/NDF:10.8/4

+ sign 2077.623+/-794.261 χ^2/NDF: 20.6/22

All: -493.867+/-569.627 χ^2/NDF: 63.7/46

- 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: 2721.343+/-0.831 χ^2/NDF:381.7/6

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

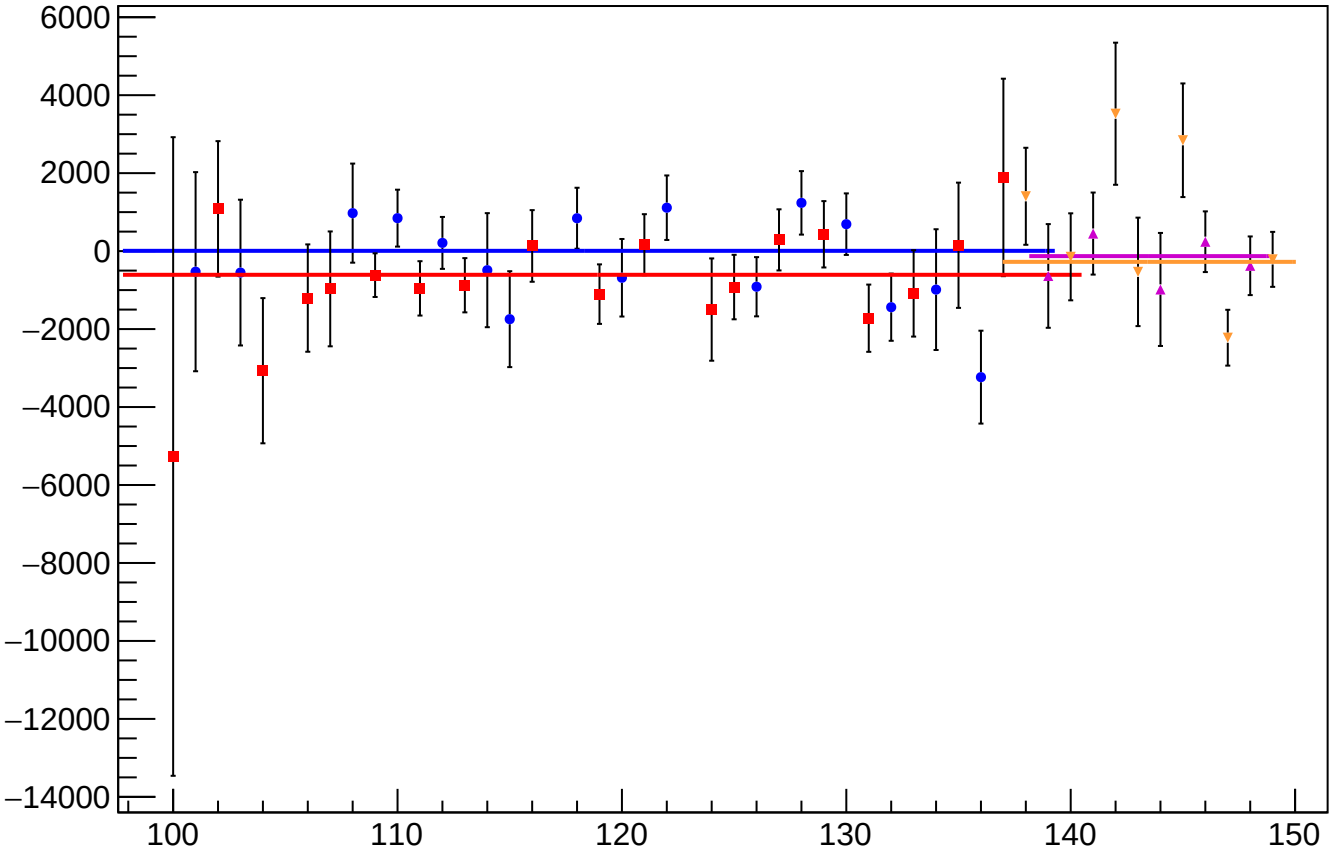
Left In: 2724.343+/-0.921 χ^2/NDF:279.5/4

+ sign 2776.856+/-0.562 χ^2/NDF: 752497.7/22

All: 2777.694+/-0.403 χ^2/NDF: 959015.0/46

- 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: -275.450+/-386.361 χ^2/NDF:18.2/6

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

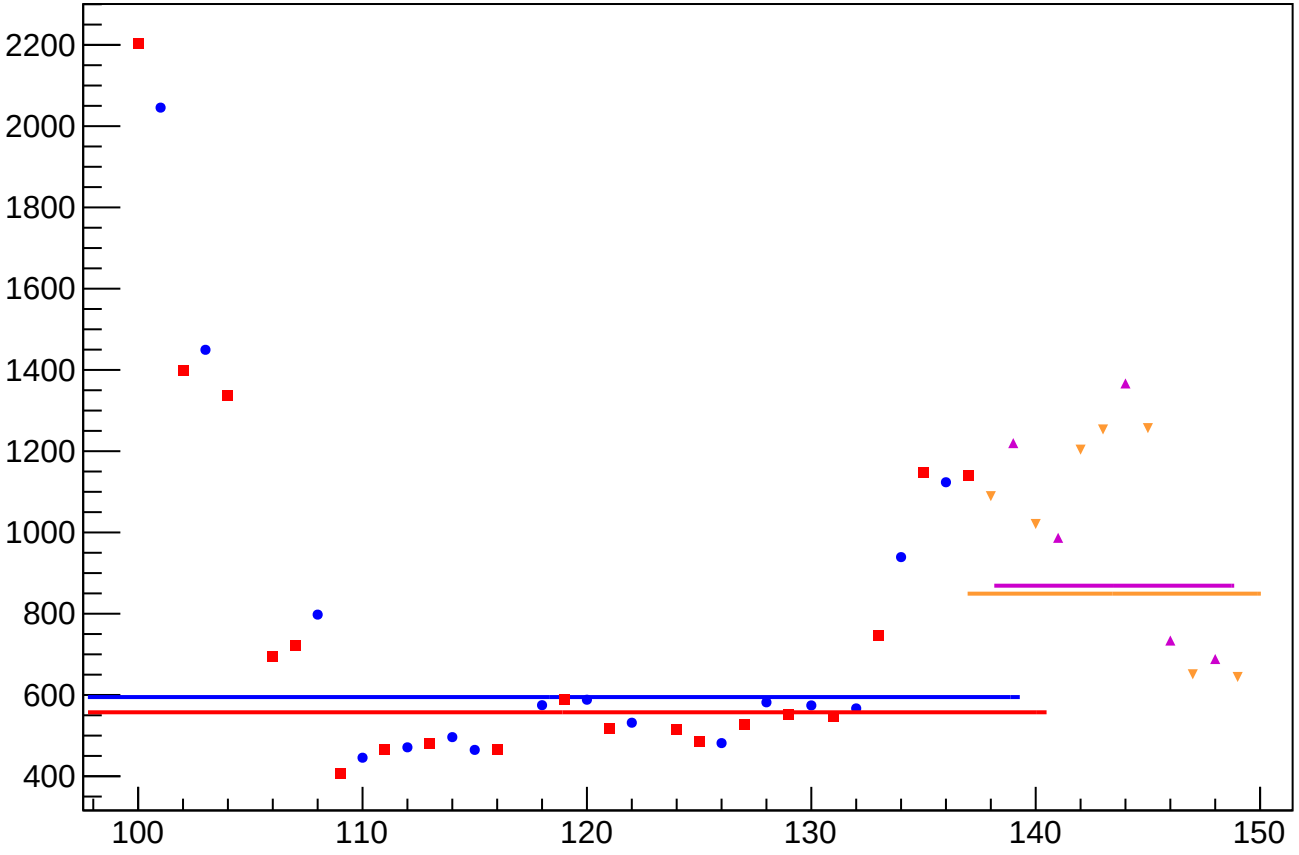
Left In: -128.554+/-431.928 χ^2/NDF:1.1/4

+ sign -70.403+/-202.302 χ^2/NDF: 41.4/22

All: -299.974+/-140.011 χ^2/NDF: 58.1/46

- sign -511.026+/-193.971 χ^2/NDF: 14.3/23

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 849.371+/-0.273 χ^2/NDF:844984.0/6

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

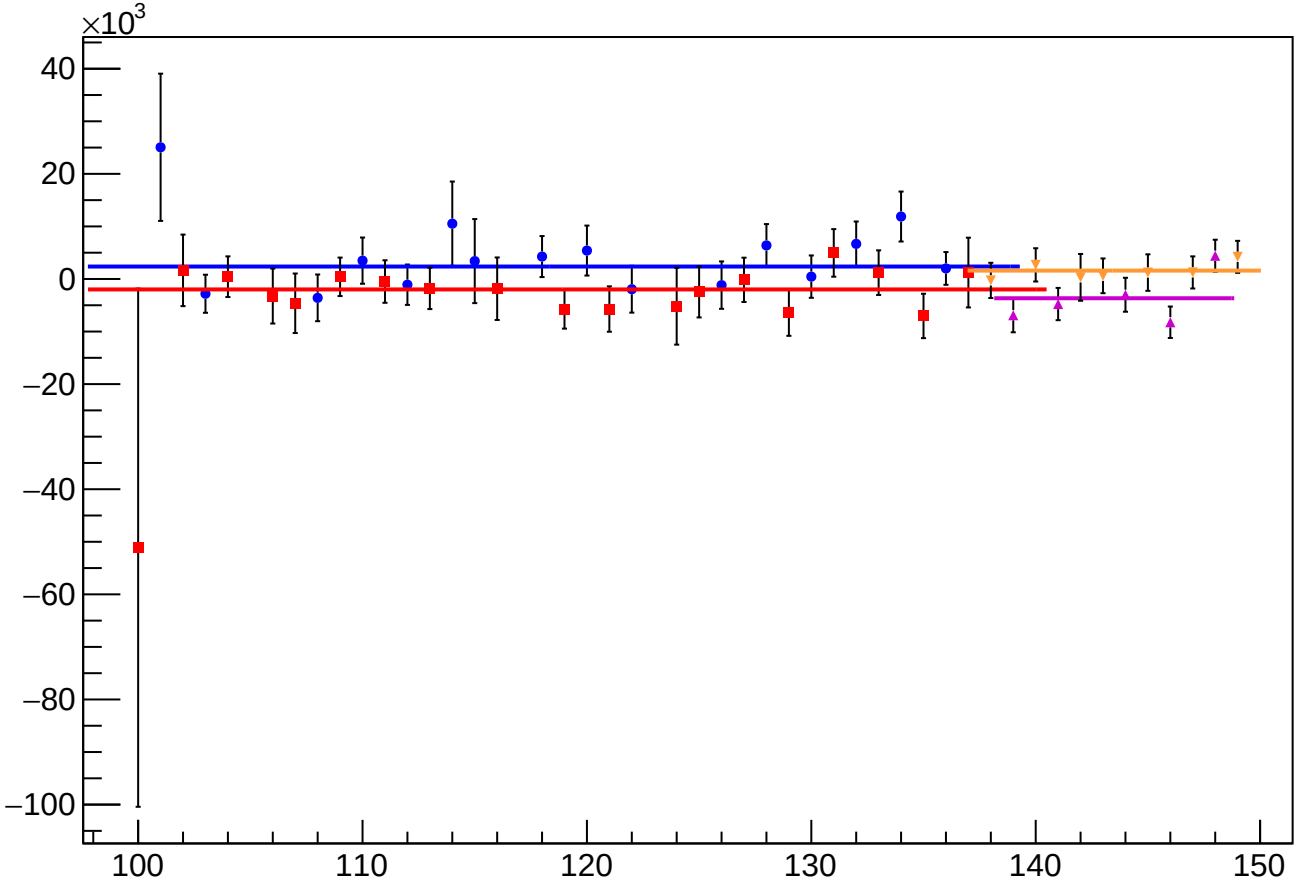
Left In: 868.990+/-0.305 χ^2/NDF:575217.9/4

+ sign 664.637+/-0.143 χ^2/NDF: 3327572.9/22

All: 641.504+/-0.099 χ^2/NDF: 6415213.2/46

- 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: 1596.214+/-1261.018 χ^2/NDF:1.4/6

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

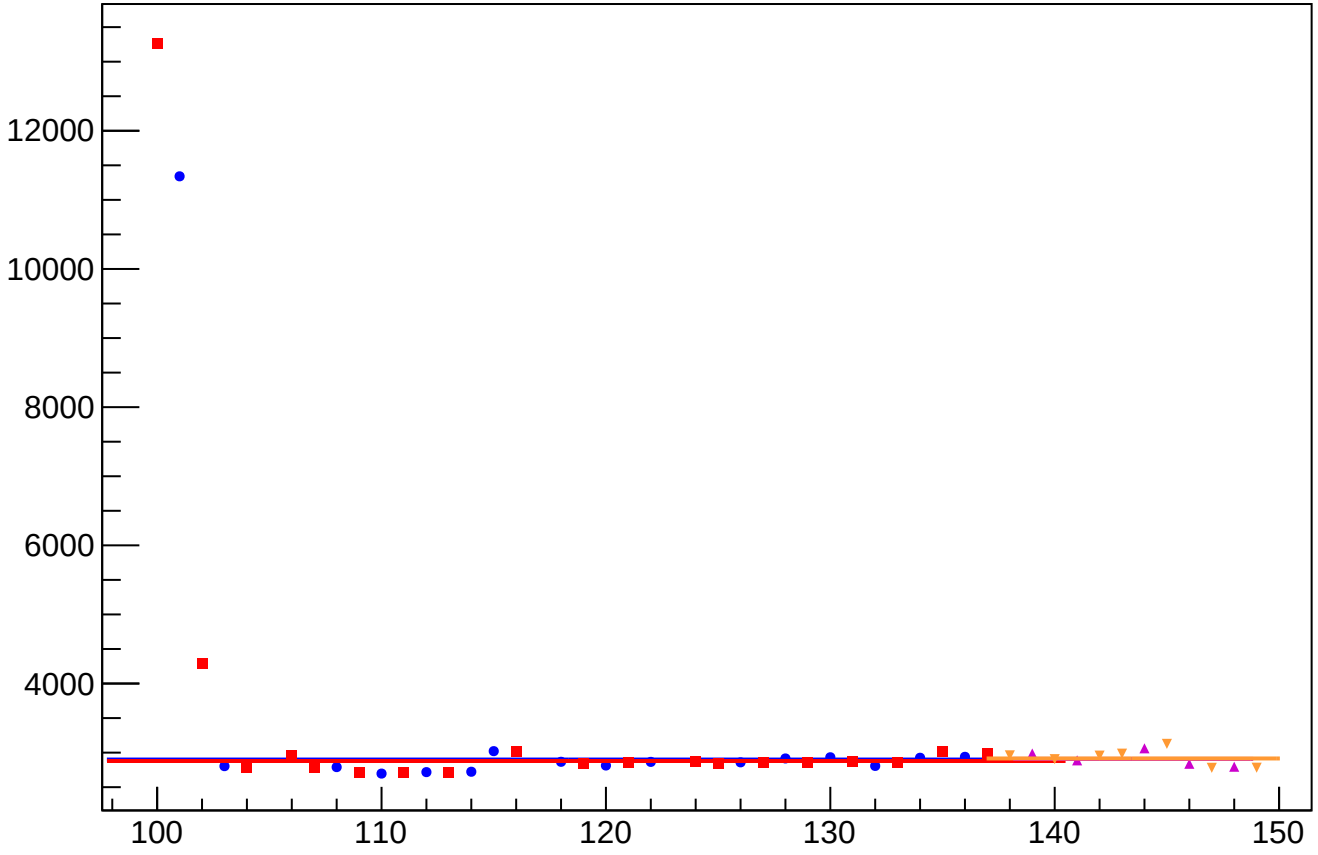
Left In: -3666.262+/-1391.755 χ^2/NDF:10.5/4

+ sign 2031.899+/-831.583 χ^2/NDF: 18.4/22

All: -238.034+/-594.736 χ^2/NDF: 55.4/46

- 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: 2915.438+/-0.892 χ^2/NDF:16624.0/6

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

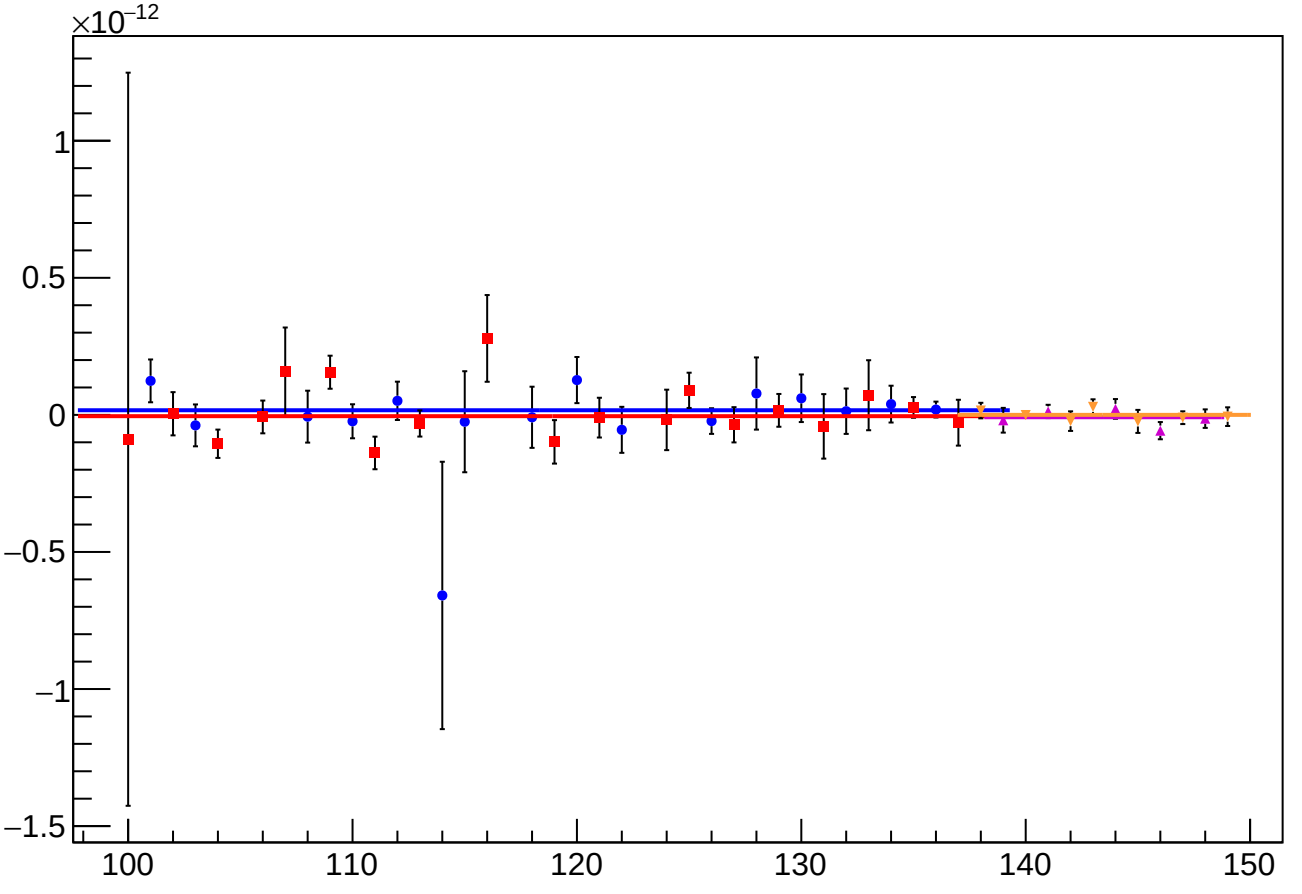
Left In: 2908.986+/-0.984 χ^2/NDF:9618.3/4

+ sign 2906.616+/-0.588 χ^2/NDF: 758615.4/22

All: 2898.588+/-0.421 χ^2/NDF: 962480.8/46

- 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:2.4/6

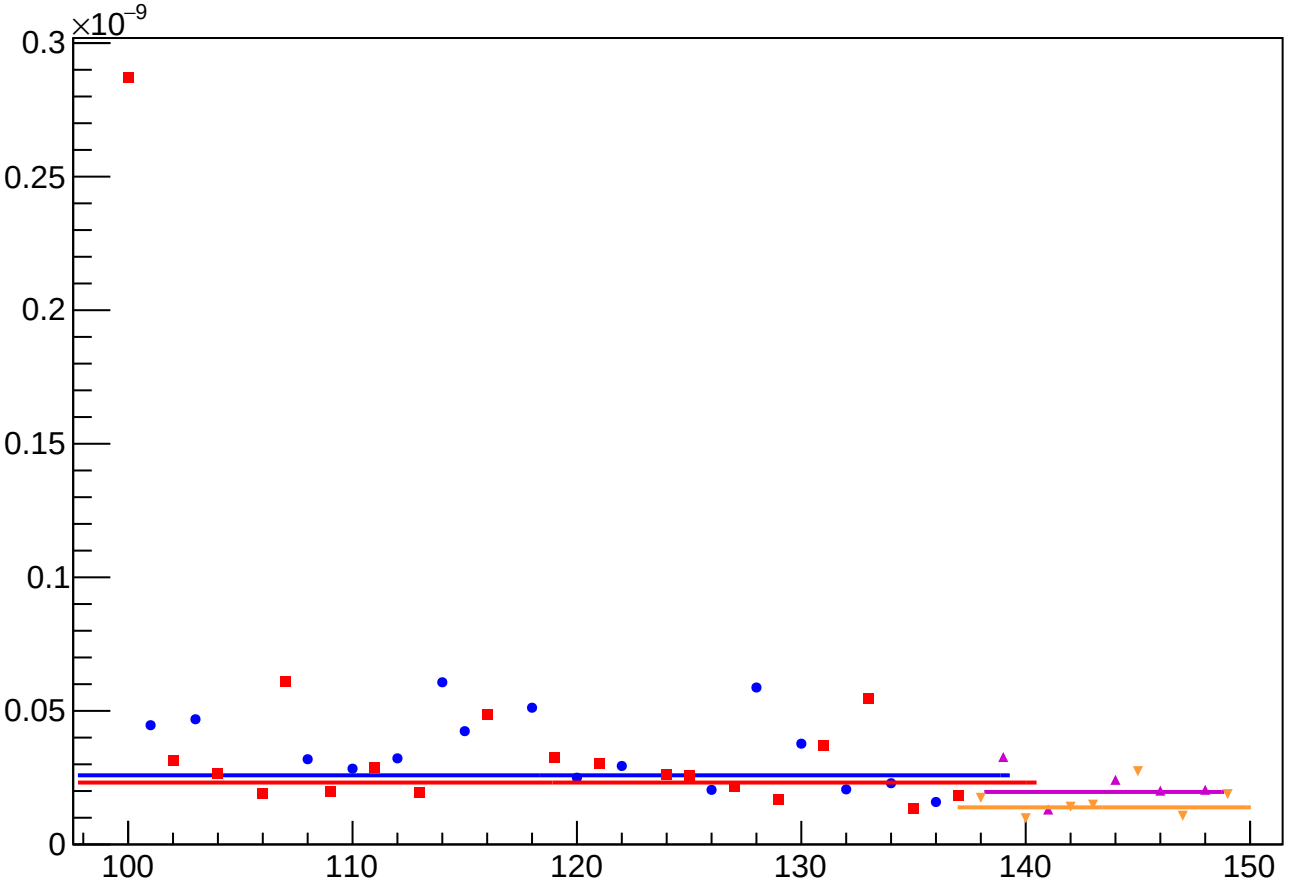
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 12.0/22

All: -0.000+/-0.000 χ^2/NDF: 42.4/46

- 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:419065.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

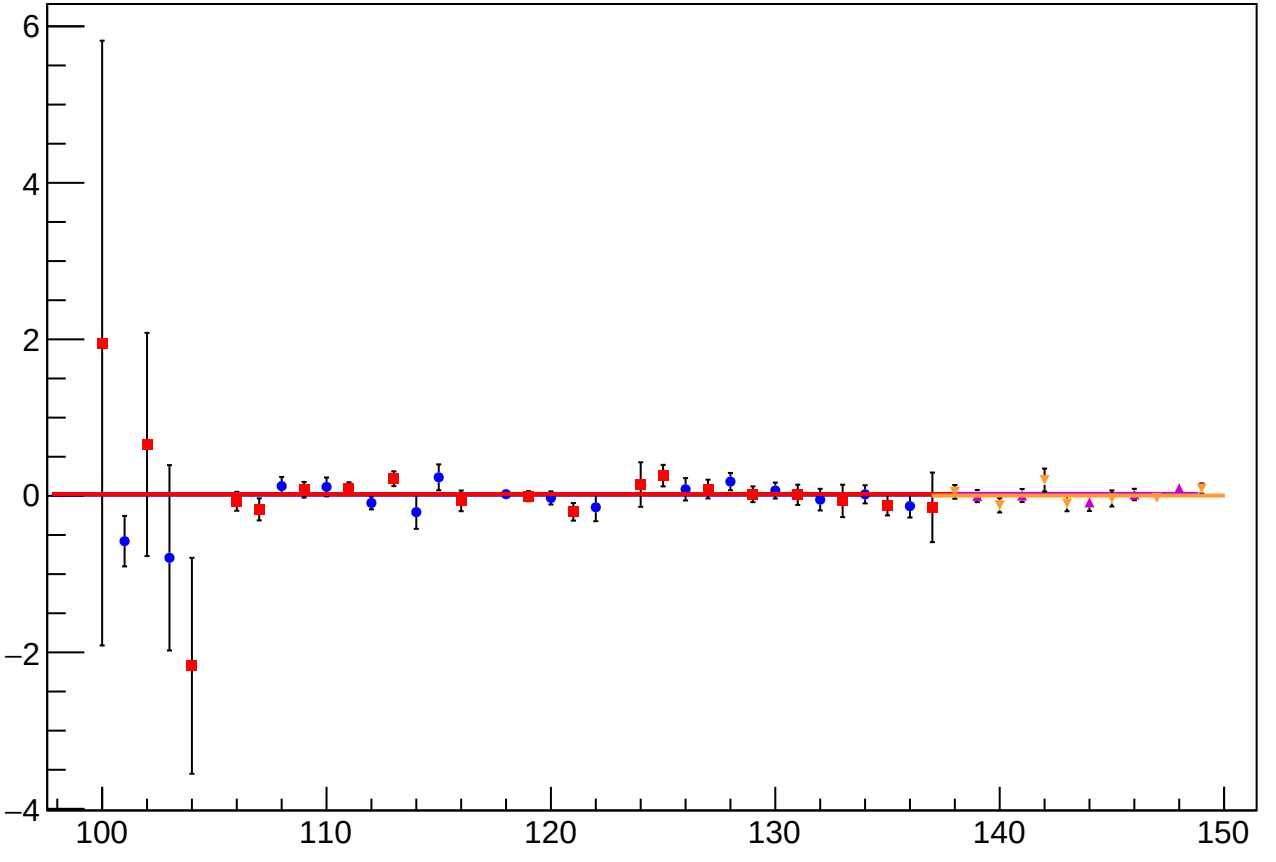
Left In: 0.000+/-0.000 χ^2/NDF:349047.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 2024610.8/22

All: 0.000+/-0.000 χ^2/NDF: 3300220.7/46

- 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: 0.004+/-0.031 χ^2/NDF:7.3/6

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

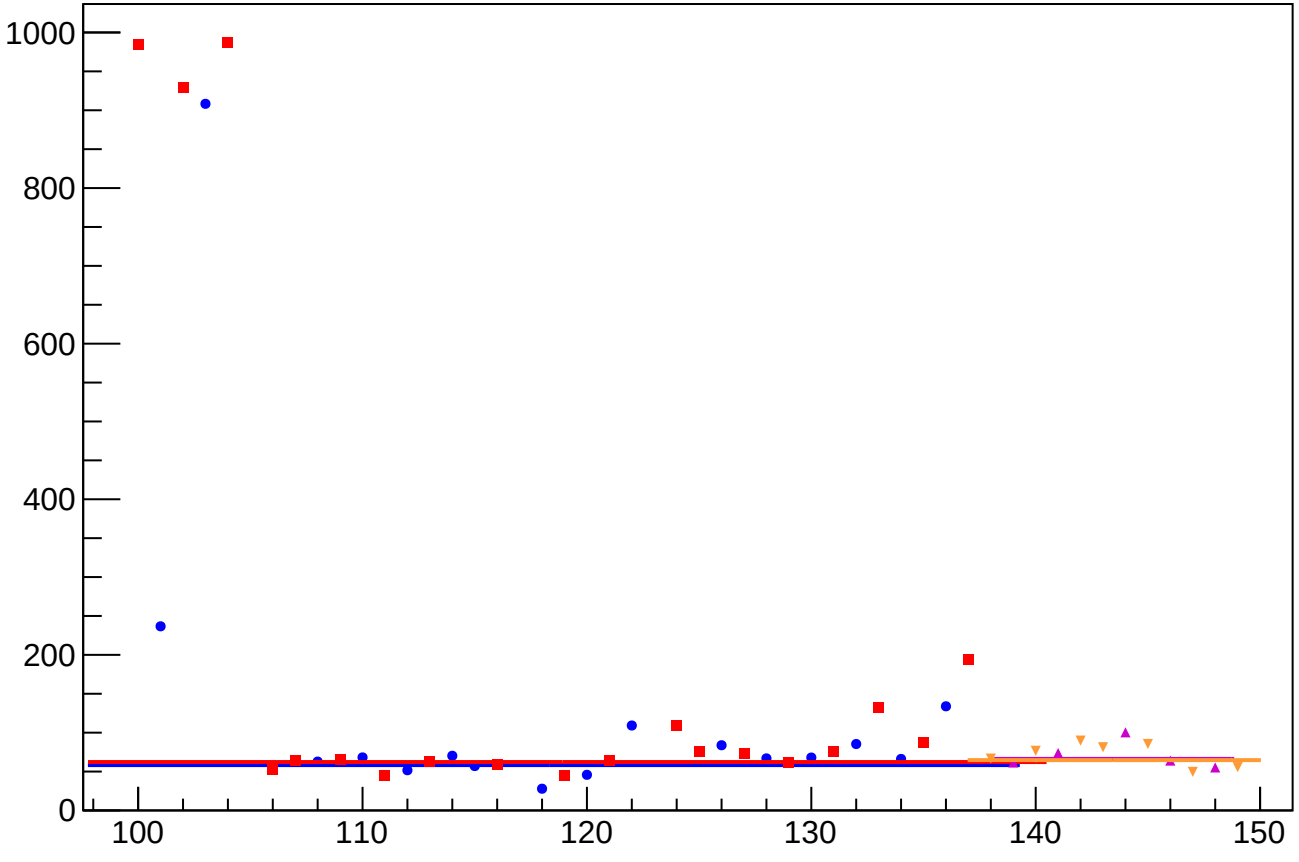
Left In: 0.026+/-0.035 χ^2/NDF:2.4/4

+ sign 0.010+/-0.021 χ^2/NDF: 22.4/22

All: 0.017+/-0.015 χ^2/NDF: 45.9/46

- 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: 64.692+/-0.022 χ^2/NDF:401735.7/6

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

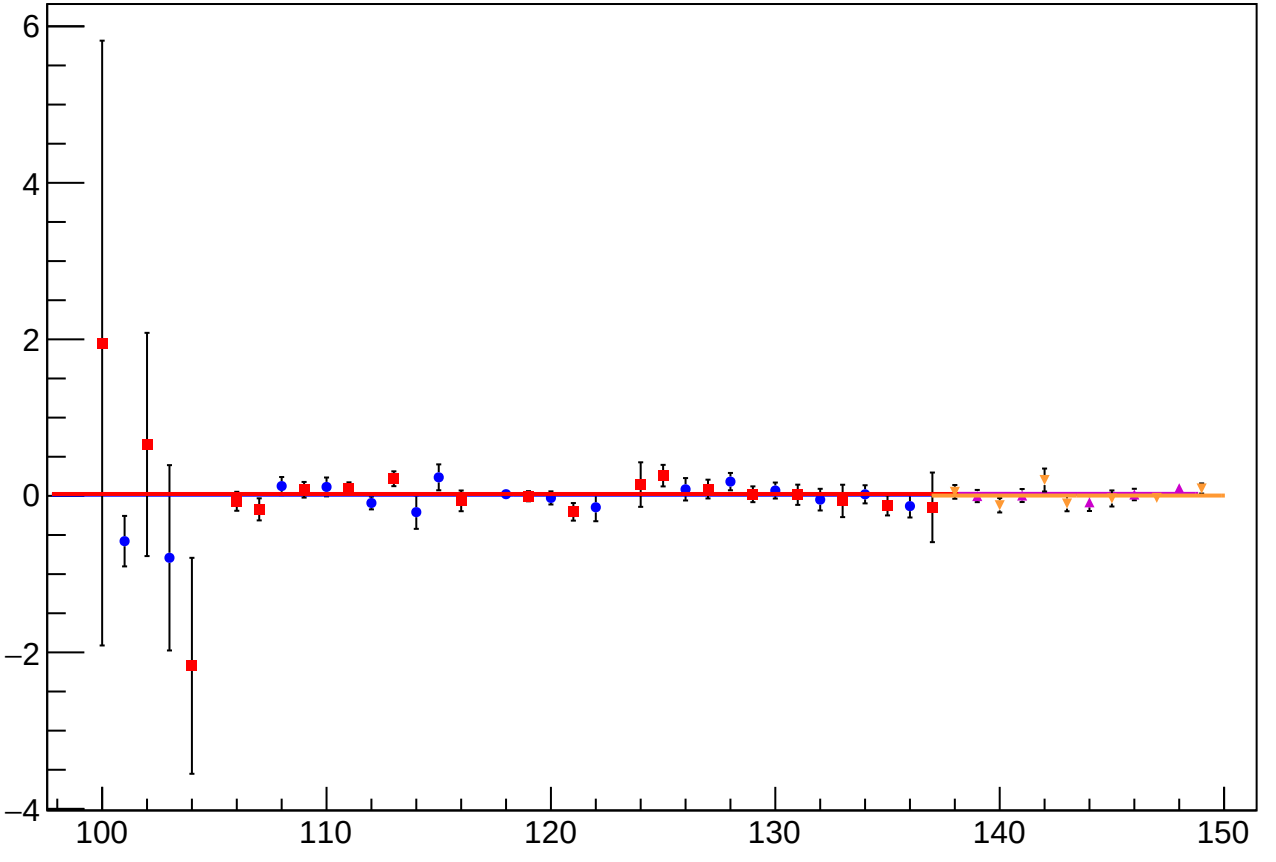
Left In: 66.237+/-0.025 χ^2/NDF:272809.0/4

+ sign 61.125+/-0.015 χ^2/NDF: 3708464.8/22

All: 62.400+/-0.011 χ^2/NDF: 6640093.4/46

- 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: 0.004+/-0.031 χ^2/NDF:7.3/6

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

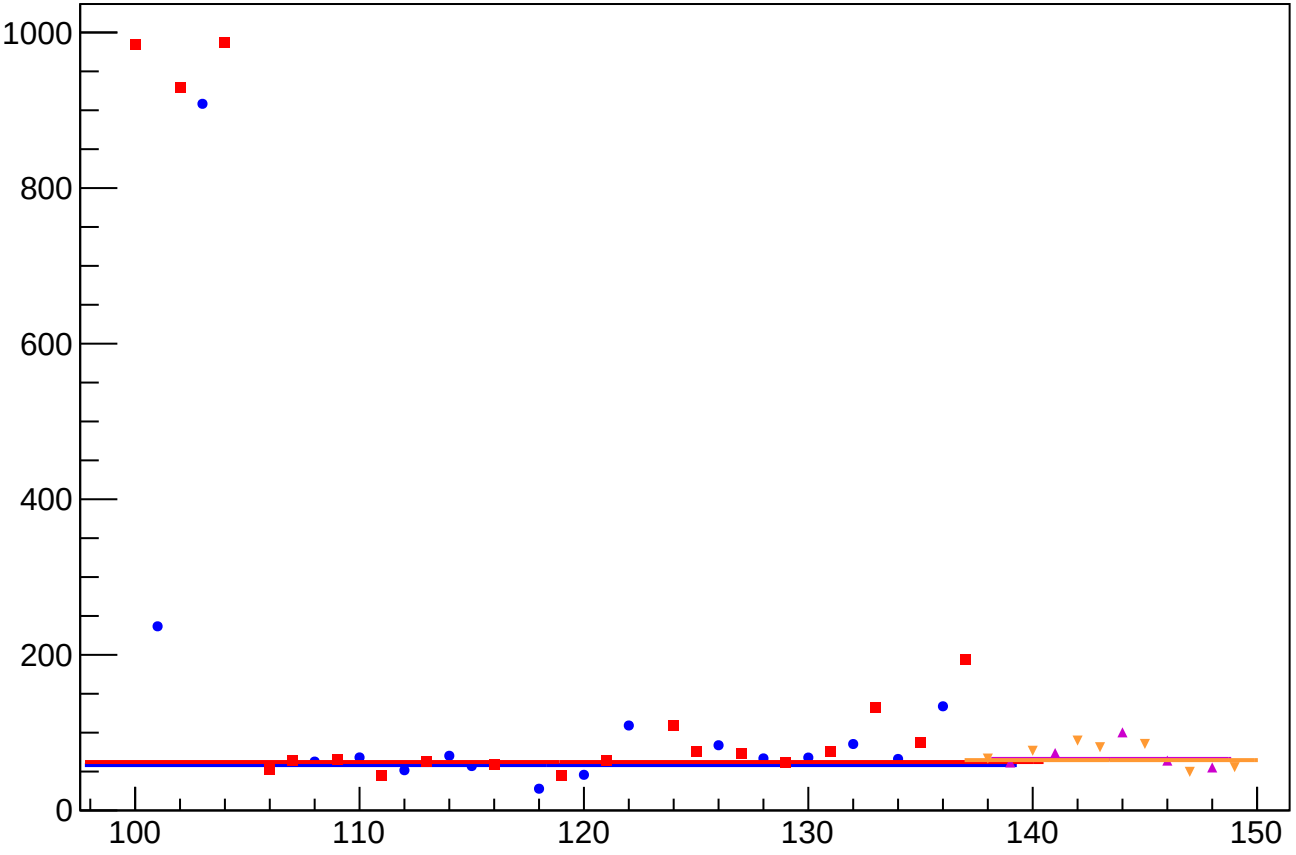
Left In: 0.026+/-0.035 χ^2/NDF:2.4/4

+ sign 0.010+/-0.021 χ^2/NDF: 22.4/22

All: 0.017+/-0.015 χ^2/NDF: 45.9/46

- 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: 64.692+/-0.022 χ^2/NDF:401735.7/6

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

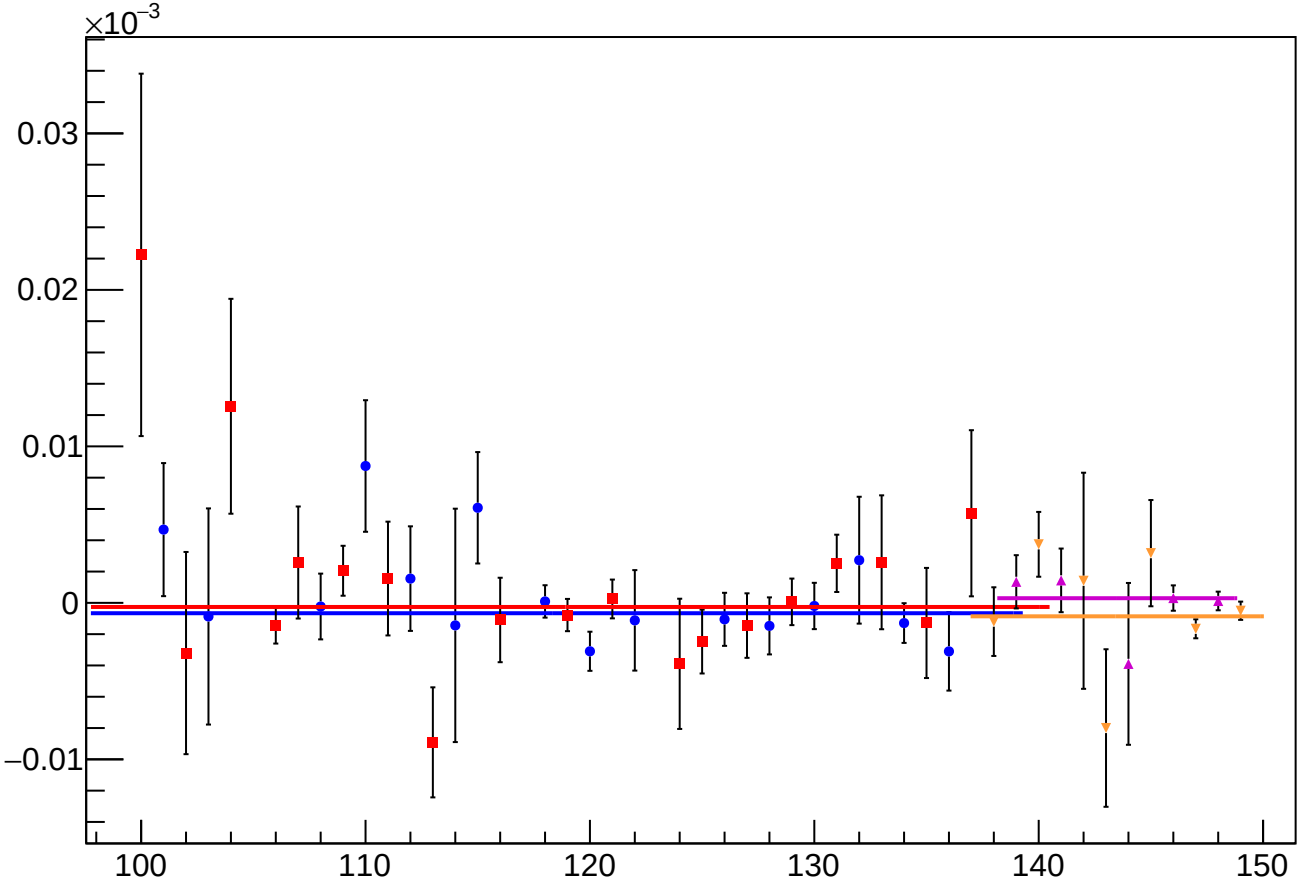
Left In: 66.237+/-0.025 χ^2/NDF:272809.0/4

+ sign 61.125+/-0.015 χ^2/NDF: 3708464.8/22

All: 62.400+/-0.011 χ^2/NDF: 6640093.4/46

- sign 63.806+/-0.015 χ^2/NDF: 2915840.7/23

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

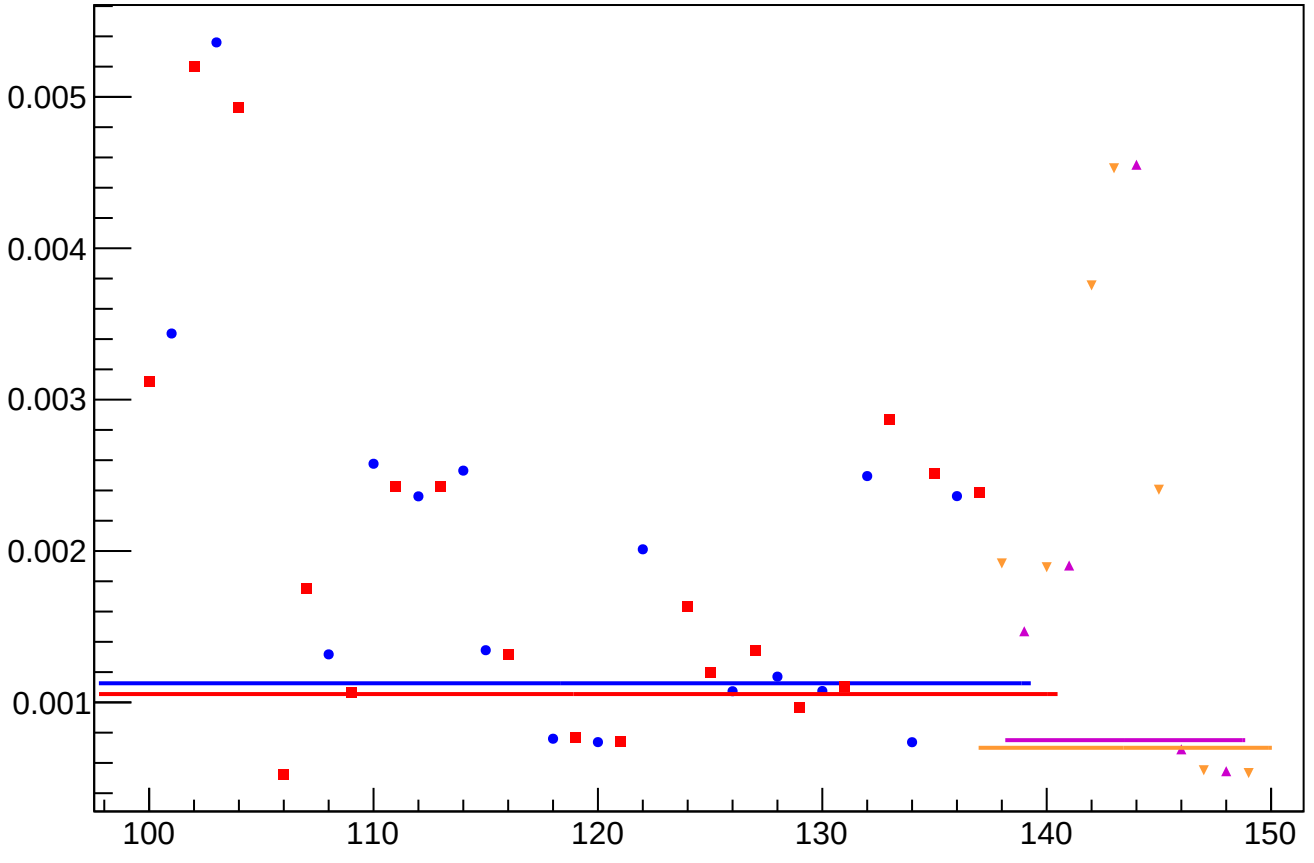
Left In: 0.000+/-0.000 χ^2/NDF:1.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/22

All: -0.000+/-0.000 χ^2/NDF: 57.9/46

- 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:3615507.8/6

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

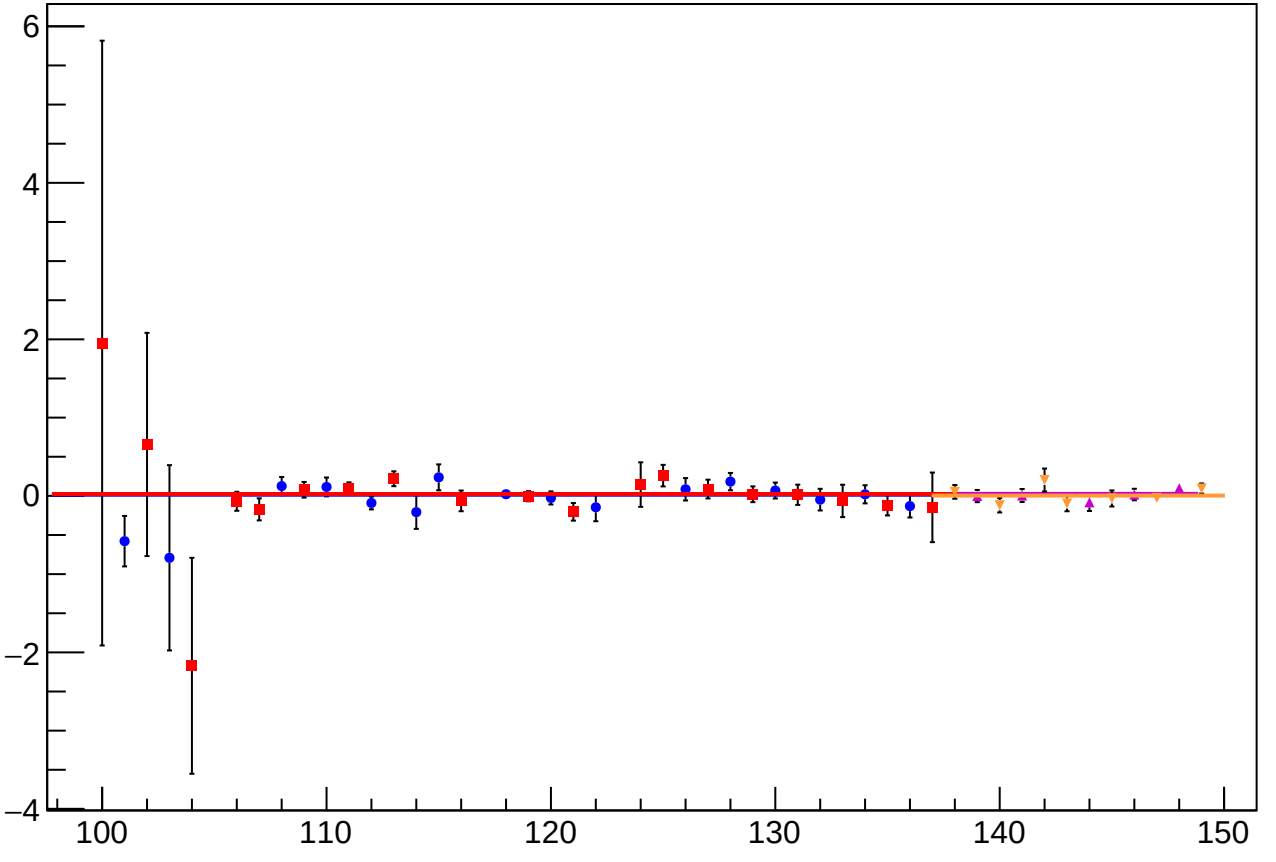
Left In: 0.001+/-0.000 χ^2/NDF:2330208.0/4

+ sign 0.001+/-0.000 χ^2/NDF: 7975914.9/22

All: 0.001+/-0.000 χ^2/NDF: 14606102.1/46

- 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: 0.004+/-0.031 χ^2/NDF:7.3/6

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

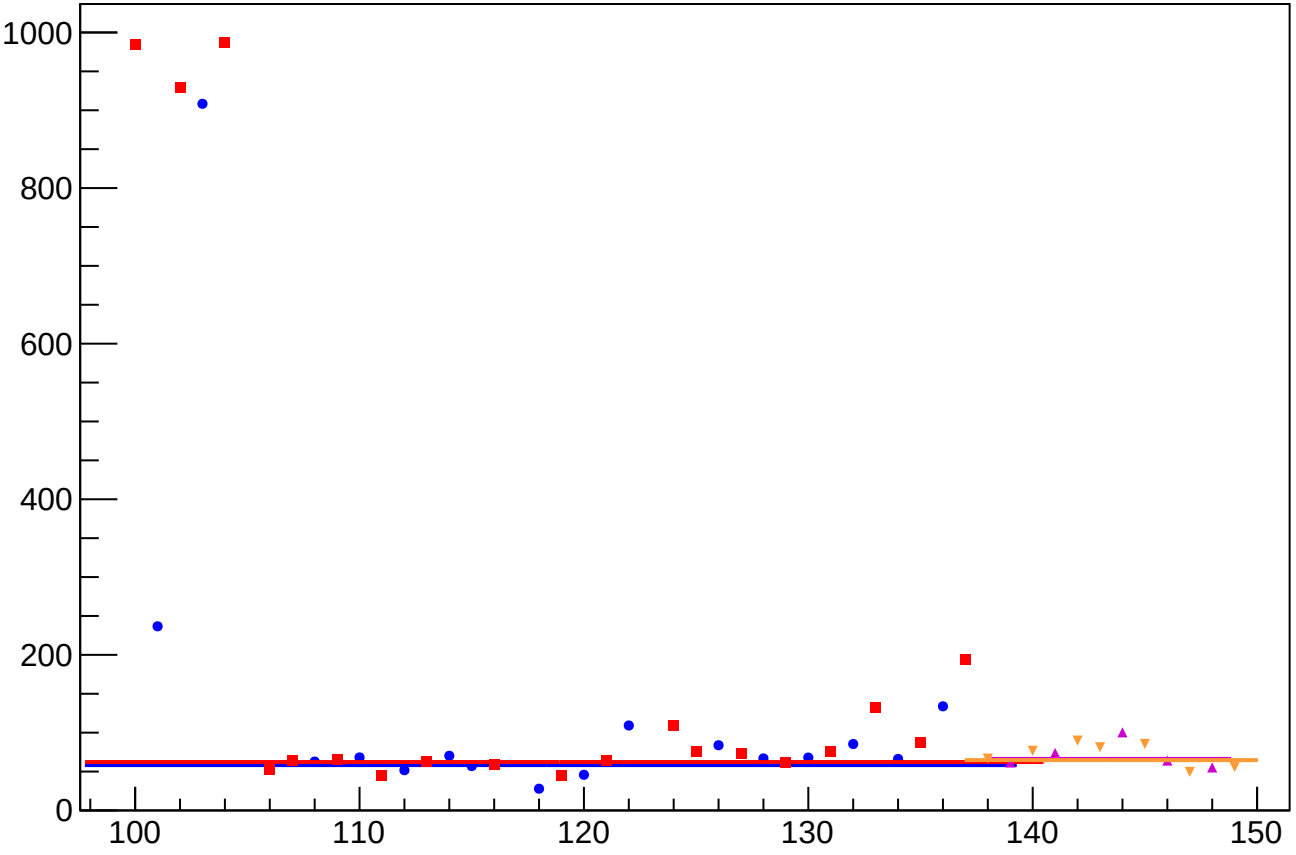
Left In: 0.026+/-0.035 χ^2/NDF:2.4/4

+ sign 0.010+/-0.021 χ^2/NDF: 22.4/22

All: 0.017+/-0.015 χ^2/NDF: 45.9/46

- 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: 64.692+/-0.022 χ^2/NDF:401723.9/6

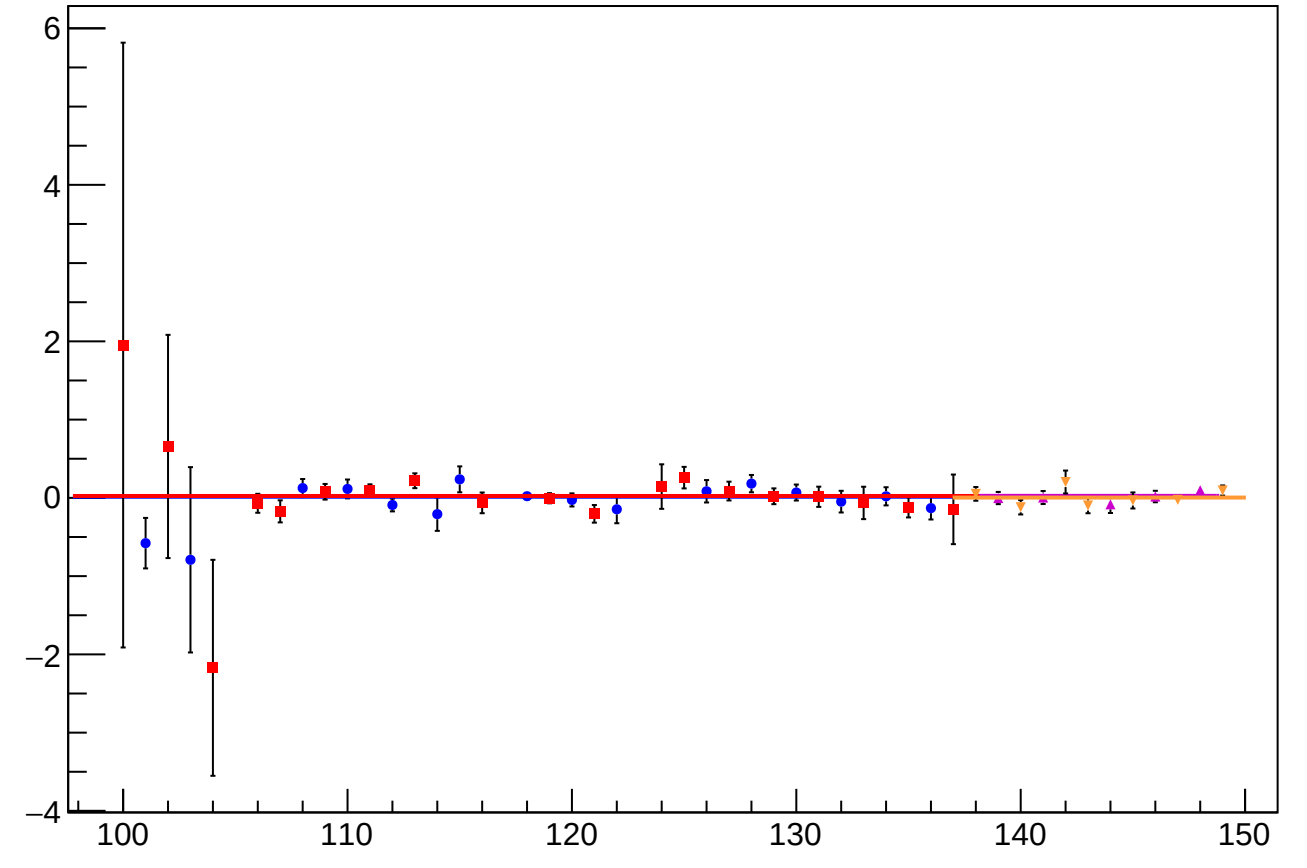
Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 66.238+/-0.025 χ^2/NDF:272814.2/4

+ sign 61.125+/-0.015 χ^2/NDF: 3708541.9/22

All: 62.400+/-0.011 χ^2/NDF: 6640179.3/46

- sign 63.806+/-0.015 χ^2/NDF: 2915842.3/23



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.004+/-0.031 χ^2/NDF:7.3/6

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

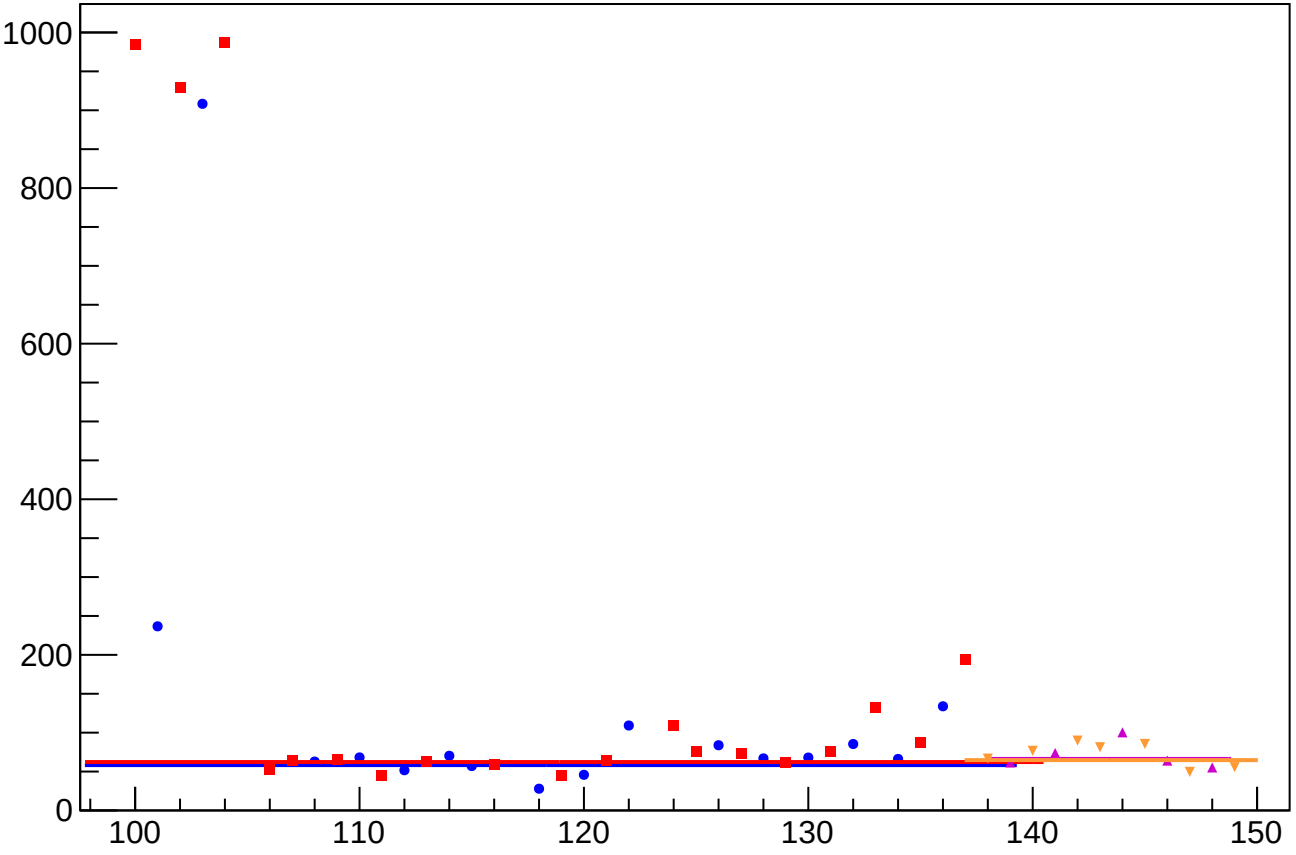
Left In: 0.026+/-0.035 χ^2/NDF:2.4/4

+ sign 0.010+/-0.021 χ^2/NDF: 22.4/22

All: 0.017+/-0.015 χ^2/NDF: 45.9/46

- 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: 64.692+/-0.022 χ^2/NDF:401723.9/6

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

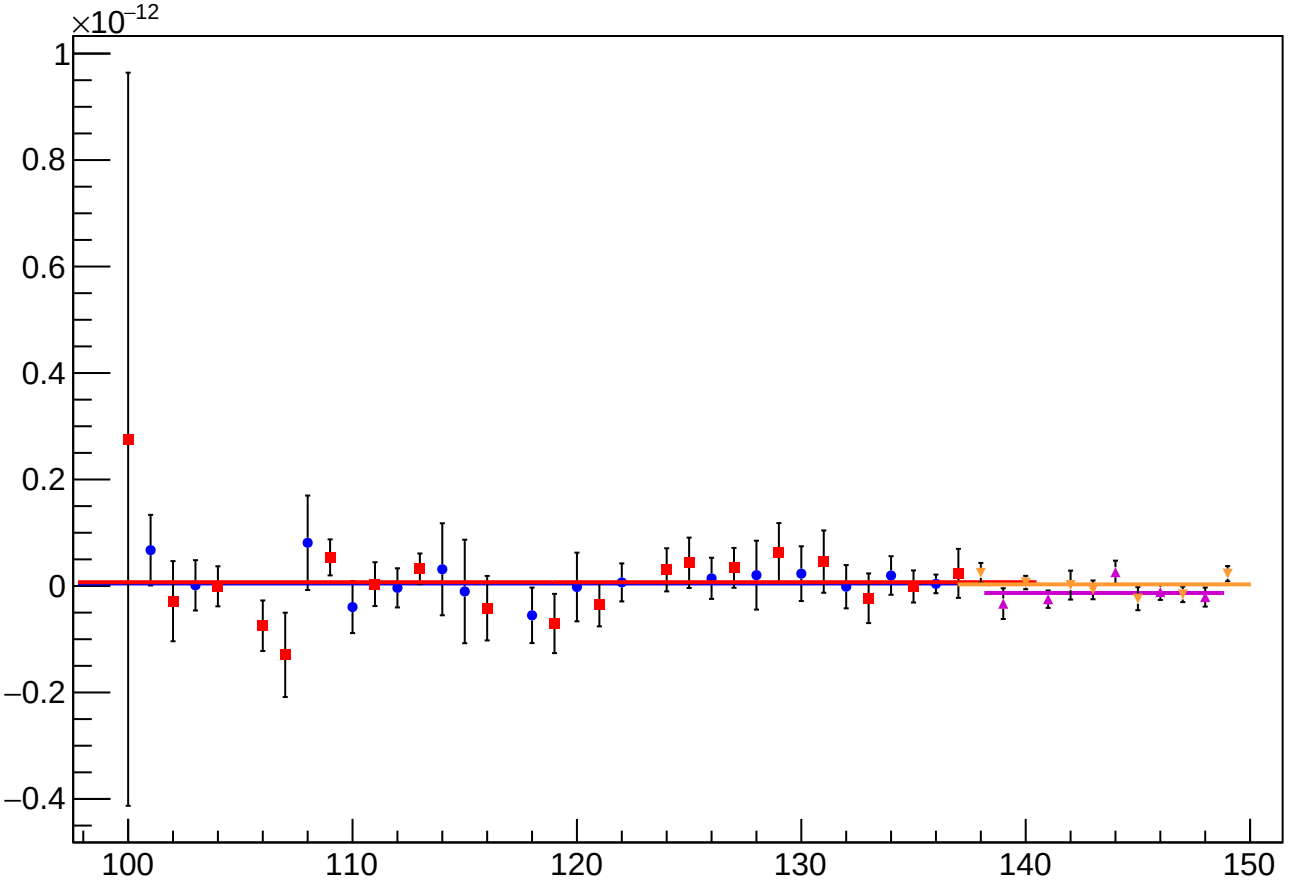
Left In: 66.238+/-0.025 χ^2/NDF:272814.2/4

+ sign 61.125+/-0.015 χ^2/NDF: 3708541.9/22

All: 62.400+/-0.011 χ^2/NDF: 6640179.3/46

- sign 63.806+/-0.015 χ^2/NDF: 2915842.3/23

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/6

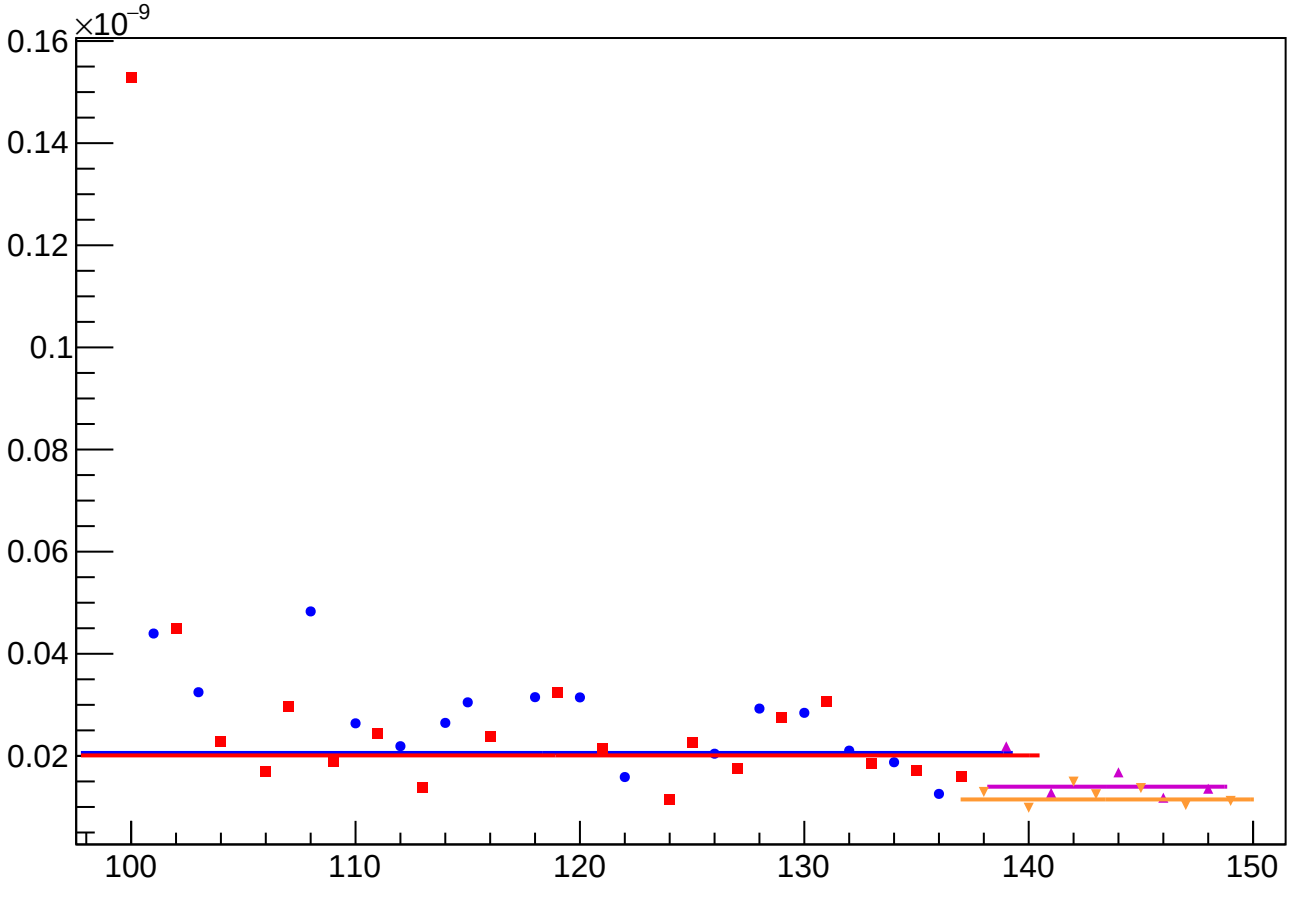
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 11.3/22

All: -0.000+/-0.000 χ^2/NDF: 35.4/46

- sign -0.000+/-0.000 χ^2/NDF: 23.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:118297.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

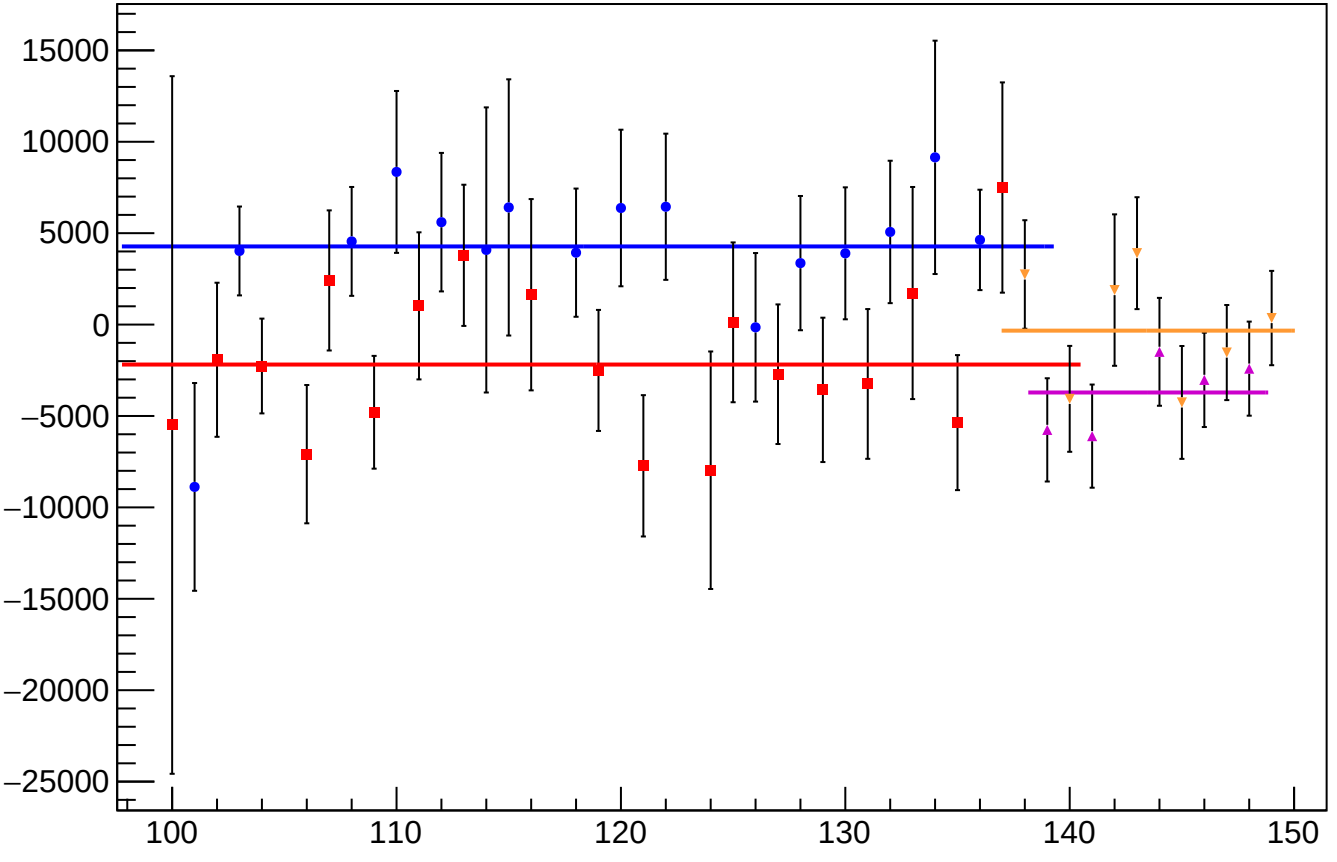
Left In: 0.000+/-0.000 χ^2/NDF:236705.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 2585926.2/22

All: 0.000+/-0.000 χ^2/NDF: 4250314.2/46

- sign 0.000+/-0.000 χ^2/NDF: 1489419.1/23

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -331.522+/-1117.537 χ^2/NDF:6.8/6

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

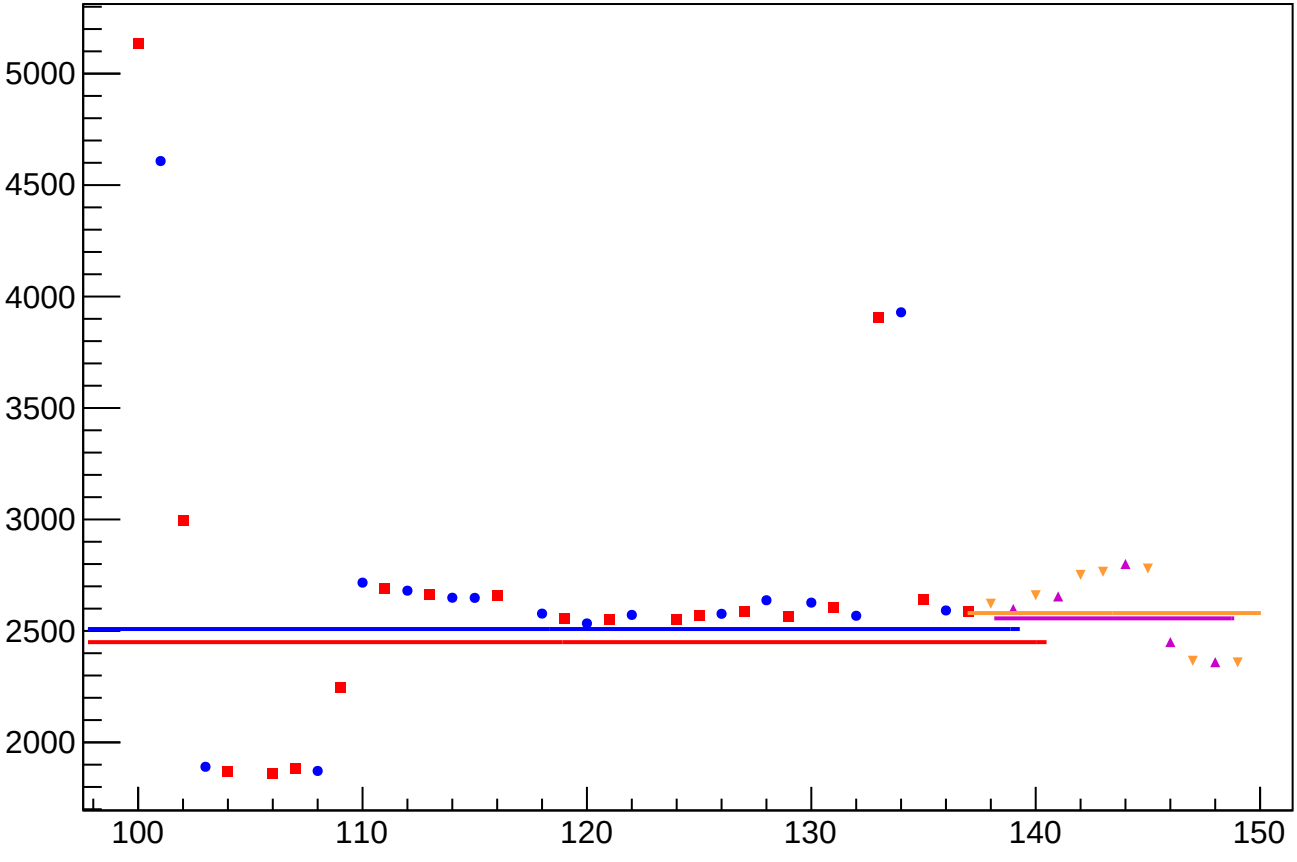
Left In: -3715.060+/-1224.440 χ^2/NDF:2.1/4

+ sign 2337.612+/-724.676 χ^2/NDF: 25.6/22

All: -159.558+/-516.585 χ^2/NDF: 67.6/46

- 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: 2580.090+/-0.790 χ^2/NDF:49304.8/6

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

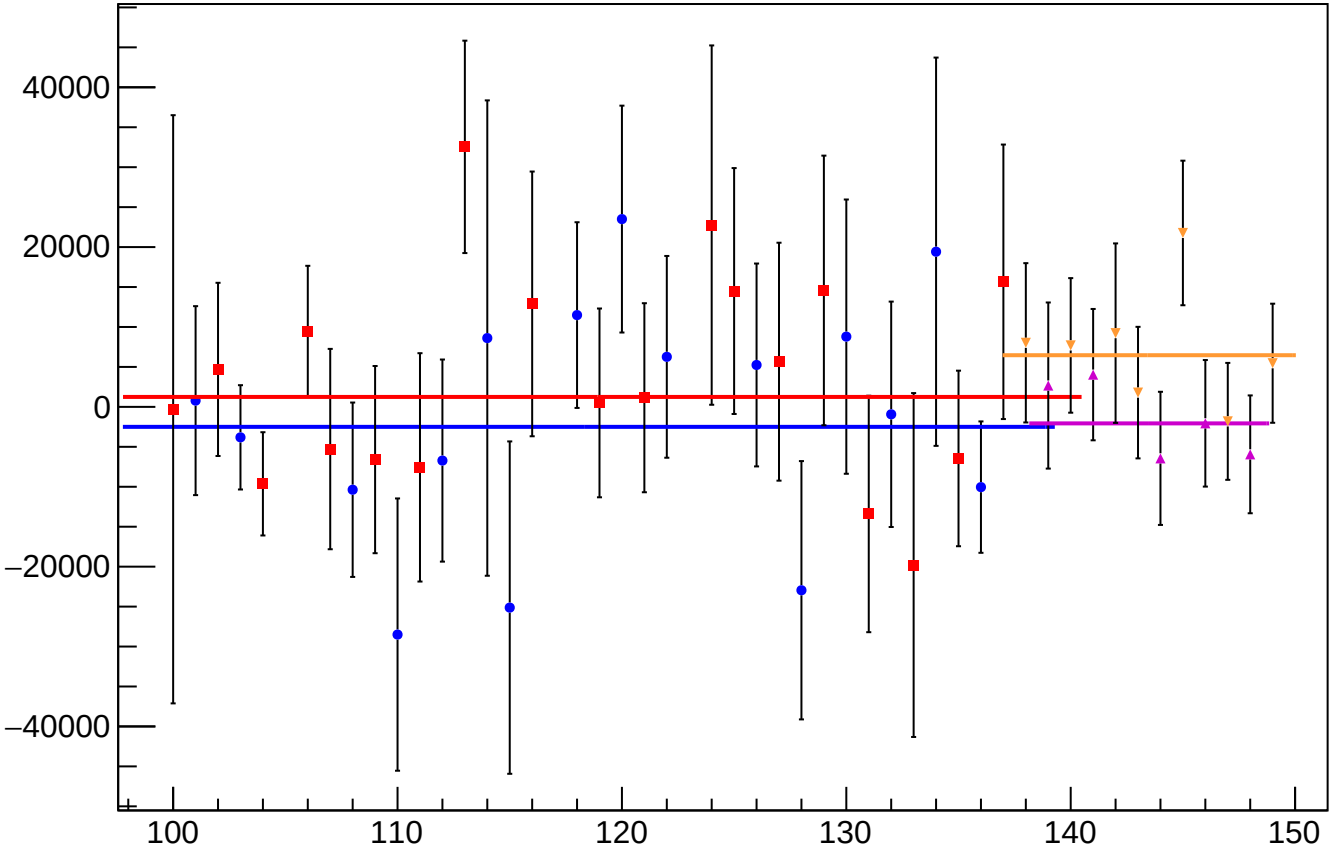
Left In: 2556.333+/-0.866 χ^2/NDF:31572.7/4

+ sign 2538.584+/-0.512 χ^2/NDF: 665655.2/22

All: 2513.823+/-0.365 χ^2/NDF: 1148569.6/46

- 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: 6465.634+/-3231.935 χ^2/NDF:4.6/6

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

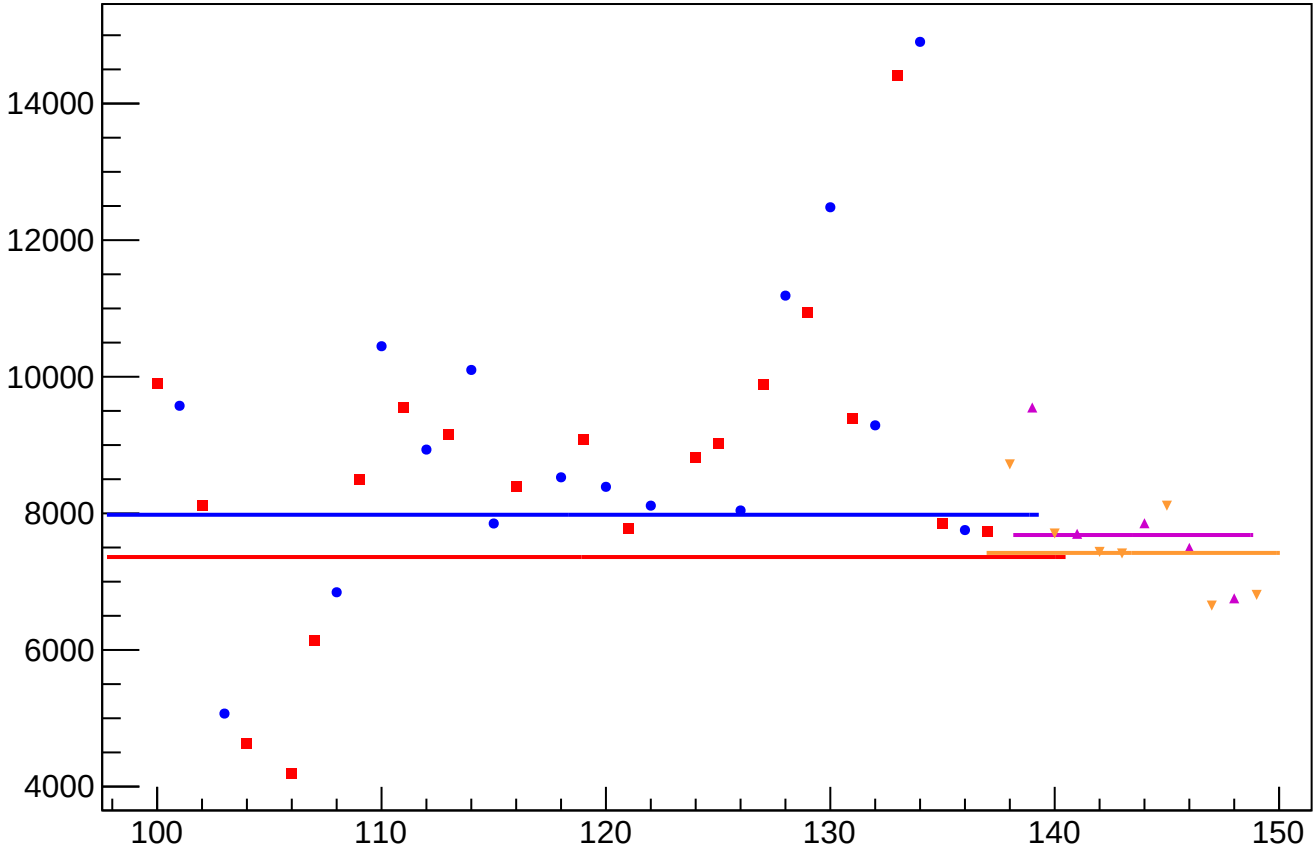
Left In: -2066.983+/-3706.782 χ^2/NDF:1.3/4

+ sign 1760.391+/-2227.988 χ^2/NDF: 22.4/22

All: 899.265+/-1586.881 χ^2/NDF: 41.1/46

- 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: 7421.055+/-2.285 χ^2/NDF:83580.0/6

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

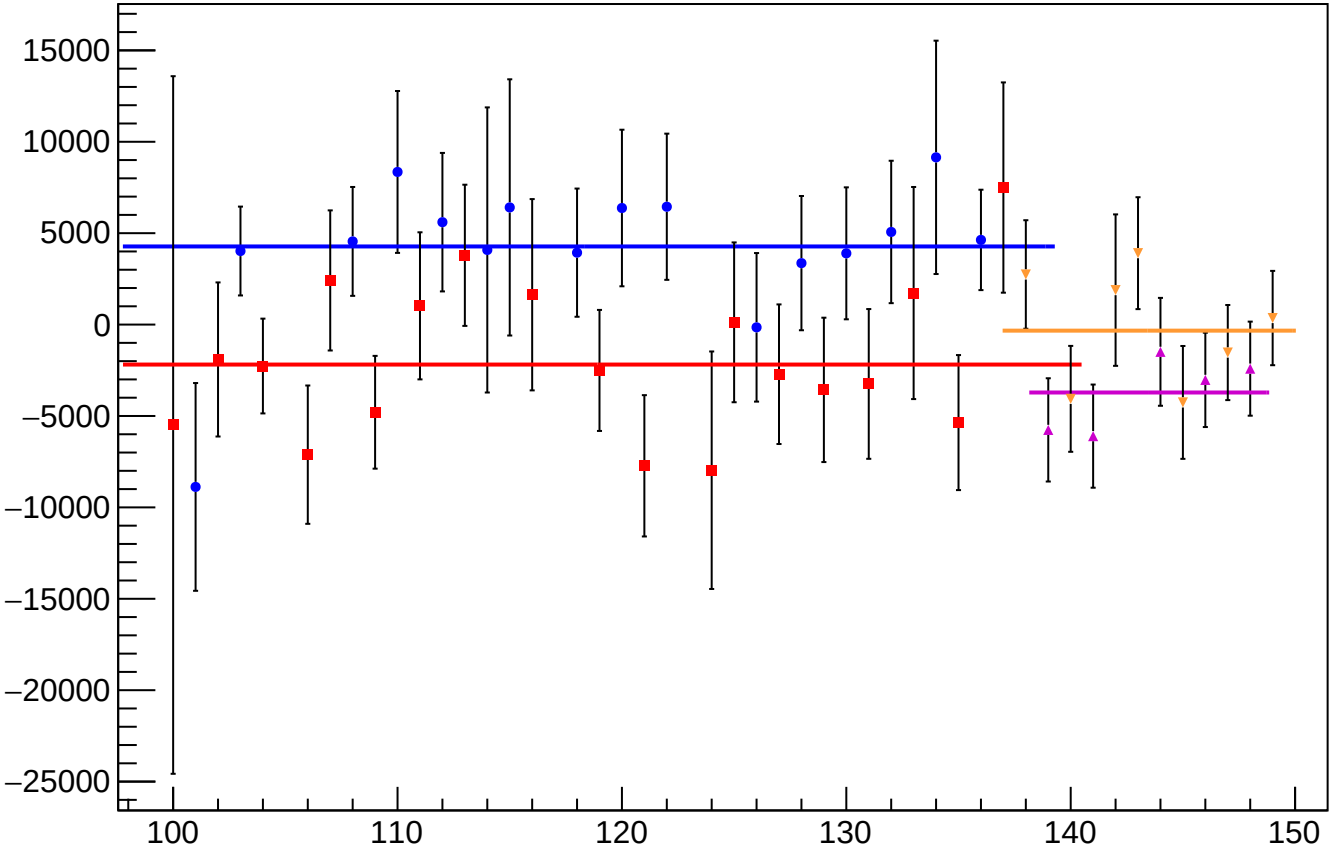
Left In: 7683.009+/-2.621 χ^2/NDF:98087.3/4

+ sign 7714.106+/-1.575 χ^2/NDF: 1037998.1/22

All: 7599.065+/-1.122 χ^2/NDF: 2442410.4/46

- 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: -331.555+/-1117.537 χ^2/NDF:6.8/6

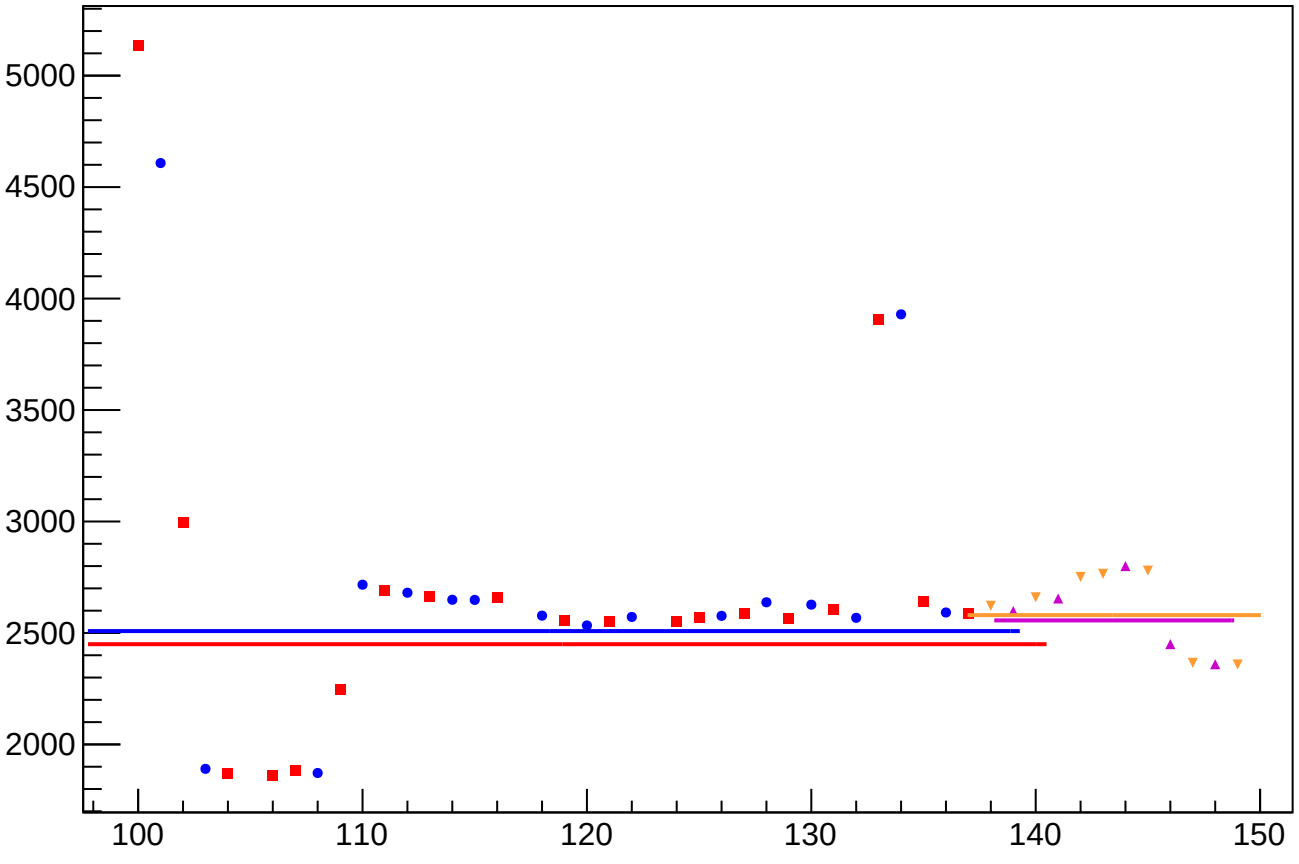
Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: -3715.500+/-1224.440 χ^2/NDF:2.1/4

+ sign 2337.313+/-724.676 χ^2/NDF: 25.6/22

All: -159.973+/-516.586 χ^2/NDF: 67.7/46

- sign -2740.085+/-736.596 χ^2/NDF: 18.0/23



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2580.090+/-0.790 χ^2/NDF:49304.8/6

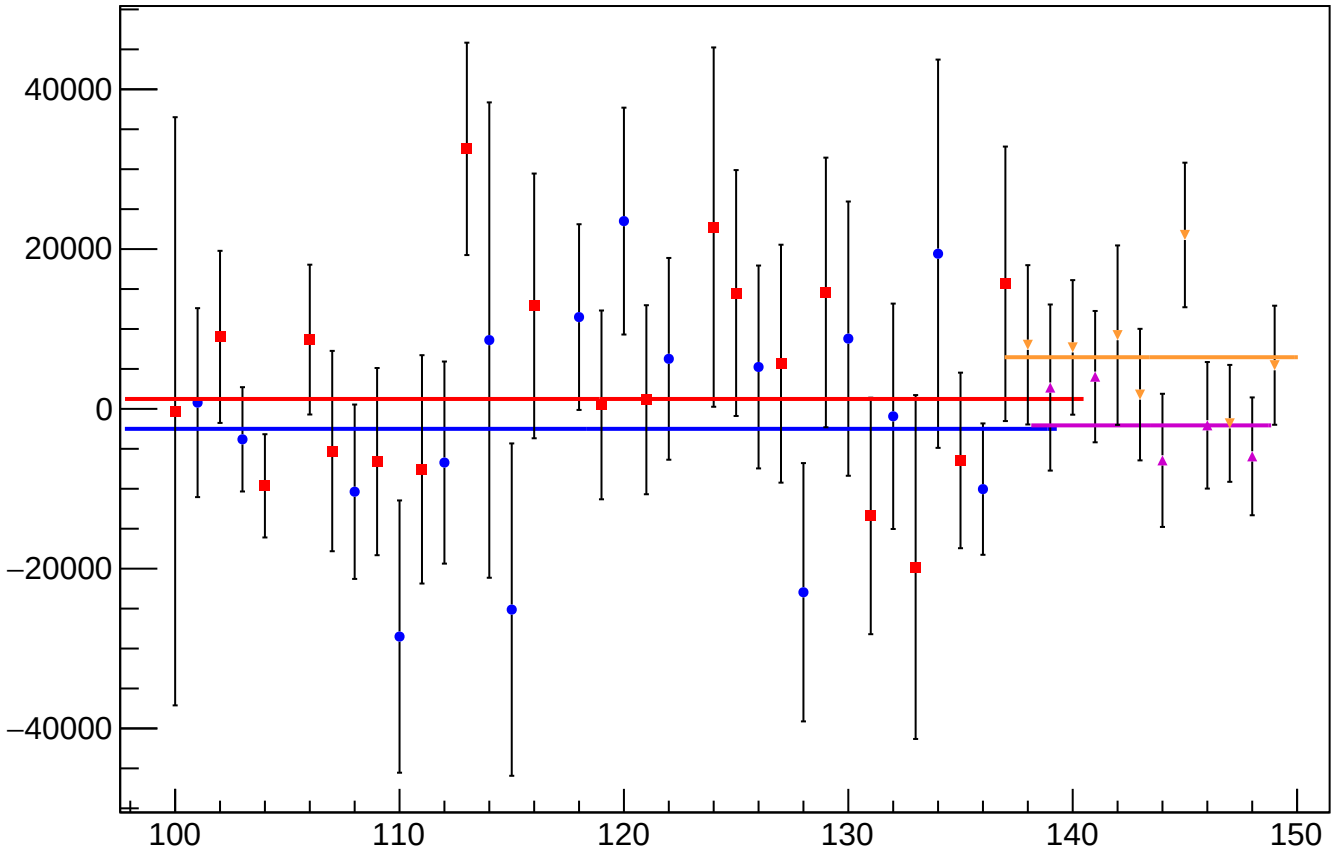
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2556.333+/-0.866 χ^2/NDF:31572.7/4

+ sign 2538.585+/-0.512 χ^2/NDF: 665652.9/22

All: 2513.831+/-0.365 χ^2/NDF: 1148505.4/46

- sign 2488.256+/-0.521 χ^2/NDF: 478107.9/23



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6465.614+/-3231.924 χ^2/NDF:4.6/6

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

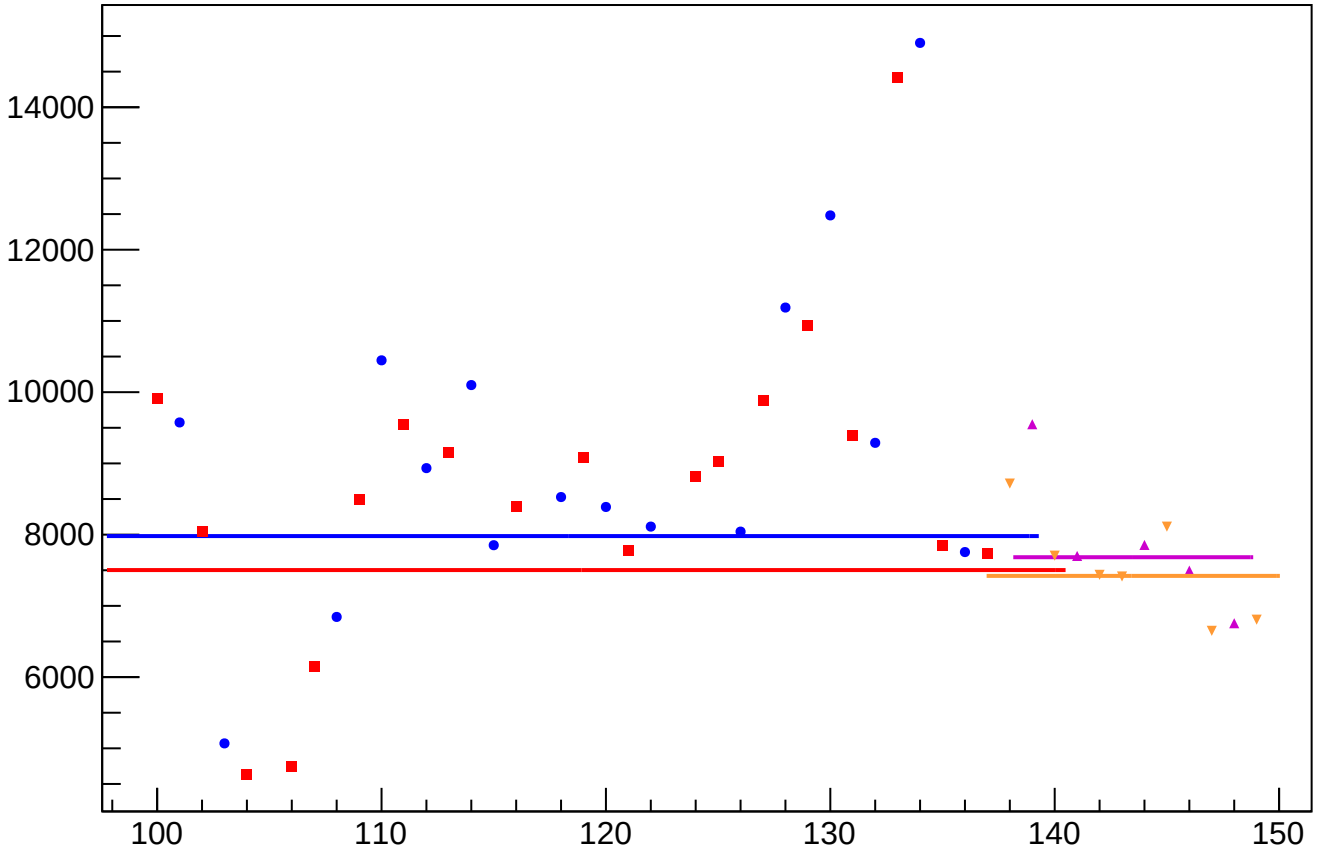
Left In: -2067.147+/-3706.781 χ^2/NDF:1.3/4

+ sign 1760.641+/-2228.018 χ^2/NDF: 22.4/22

All: 894.987+/-1593.799 χ^2/NDF: 41.1/46

- 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: 7421.031+/-2.285 χ^2/NDF:83580.2/6

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

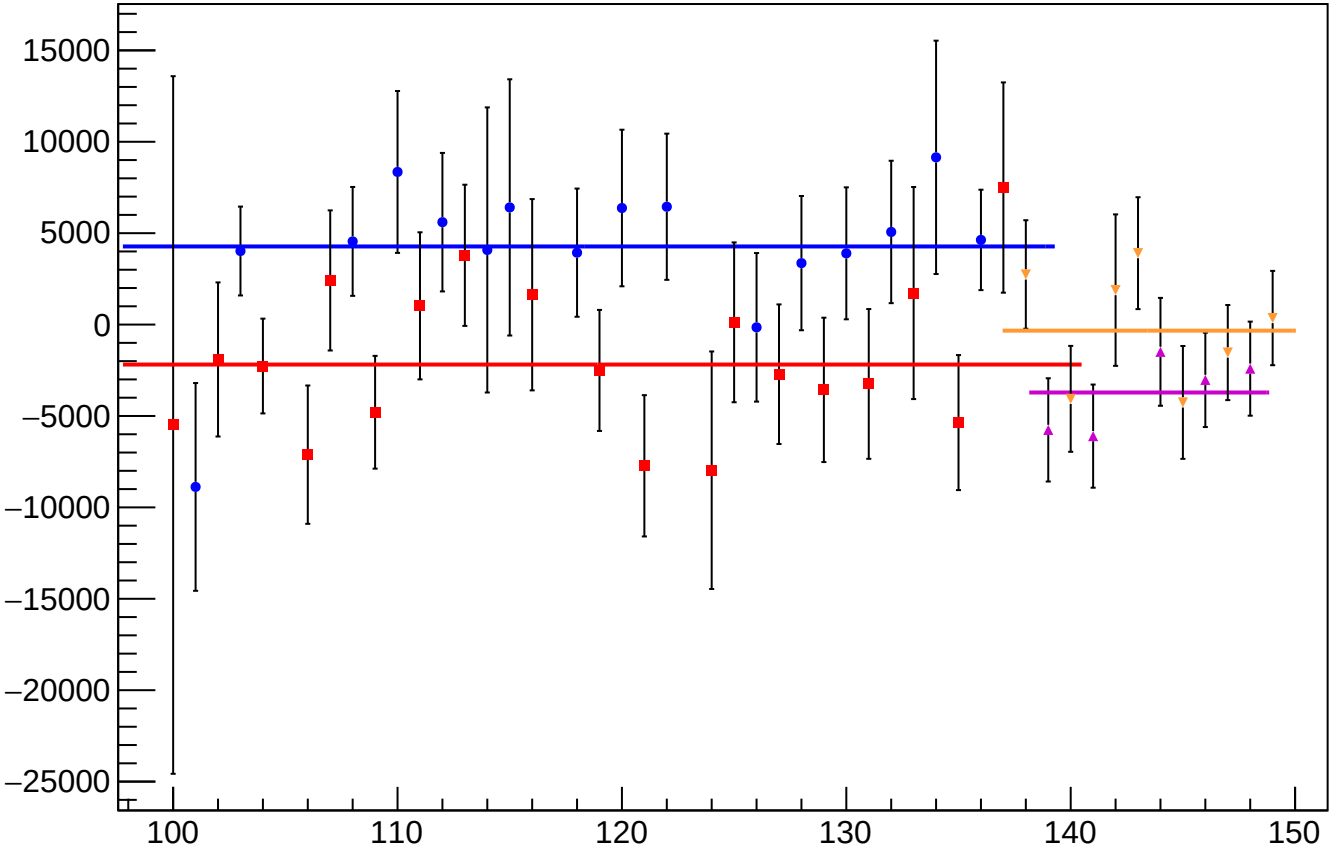
Left In: 7683.006+/-2.621 χ^2/NDF:98087.4/4

+ sign 7714.255+/-1.575 χ^2/NDF: 1037738.1/22

All: 7644.285+/-1.127 χ^2/NDF: 2278329.6/46

- 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: -331.555+/-1117.537 χ^2/NDF:6.8/6

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

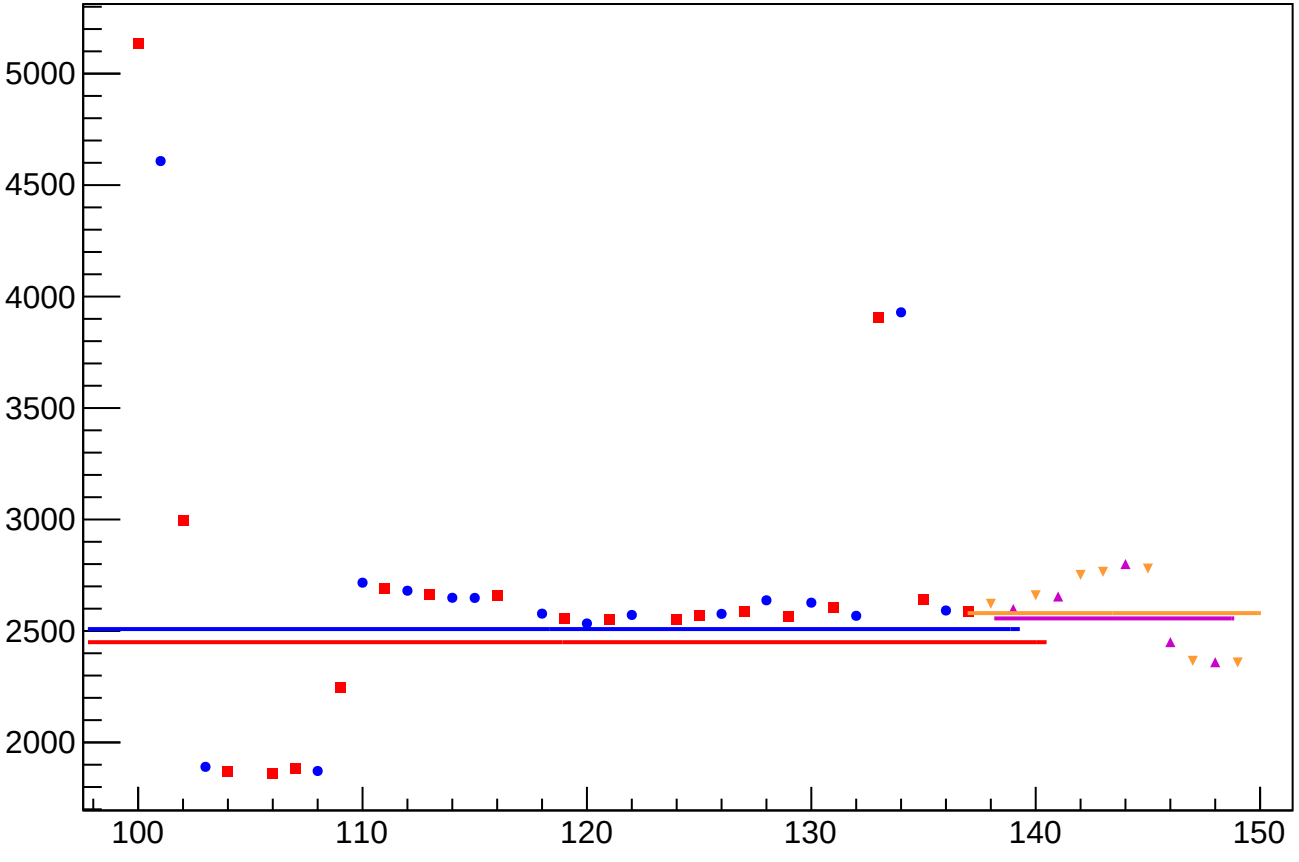
Left In: -3715.500+/-1224.440 χ^2/NDF:2.1/4

+ sign 2337.313+/-724.676 χ^2/NDF: 25.6/22

All: -159.973+/-516.586 χ^2/NDF: 67.7/46

- 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: 2580.090+/-0.790 χ^2/NDF:49304.8/6

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

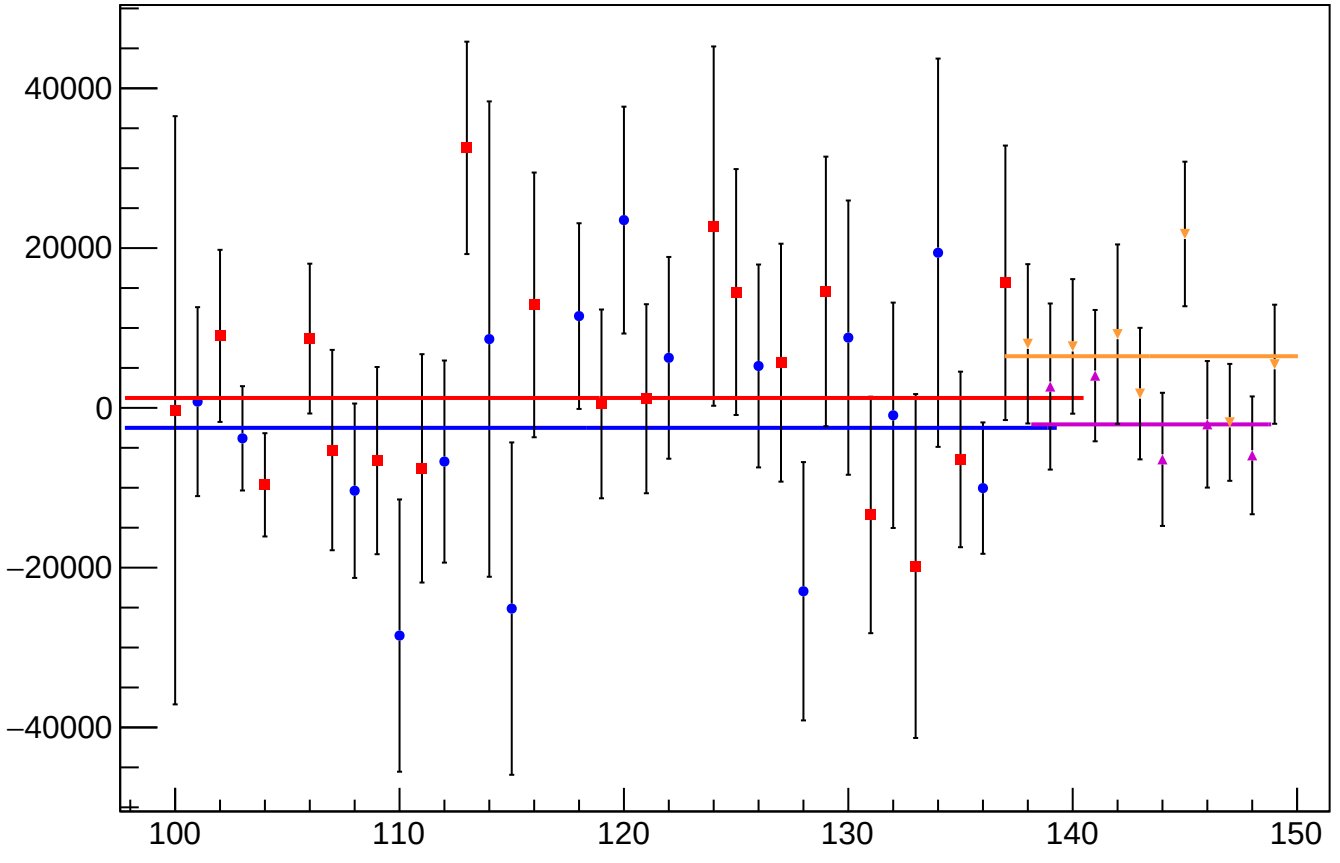
Left In: 2556.333+/-0.866 χ^2/NDF:31572.7/4

+ sign 2538.585+/-0.512 χ^2/NDF: 665652.9/22

All: 2513.831+/-0.365 χ^2/NDF: 1148505.4/46

- 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: 6465.614+/-3231.924 χ^2/NDF:4.6/6

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

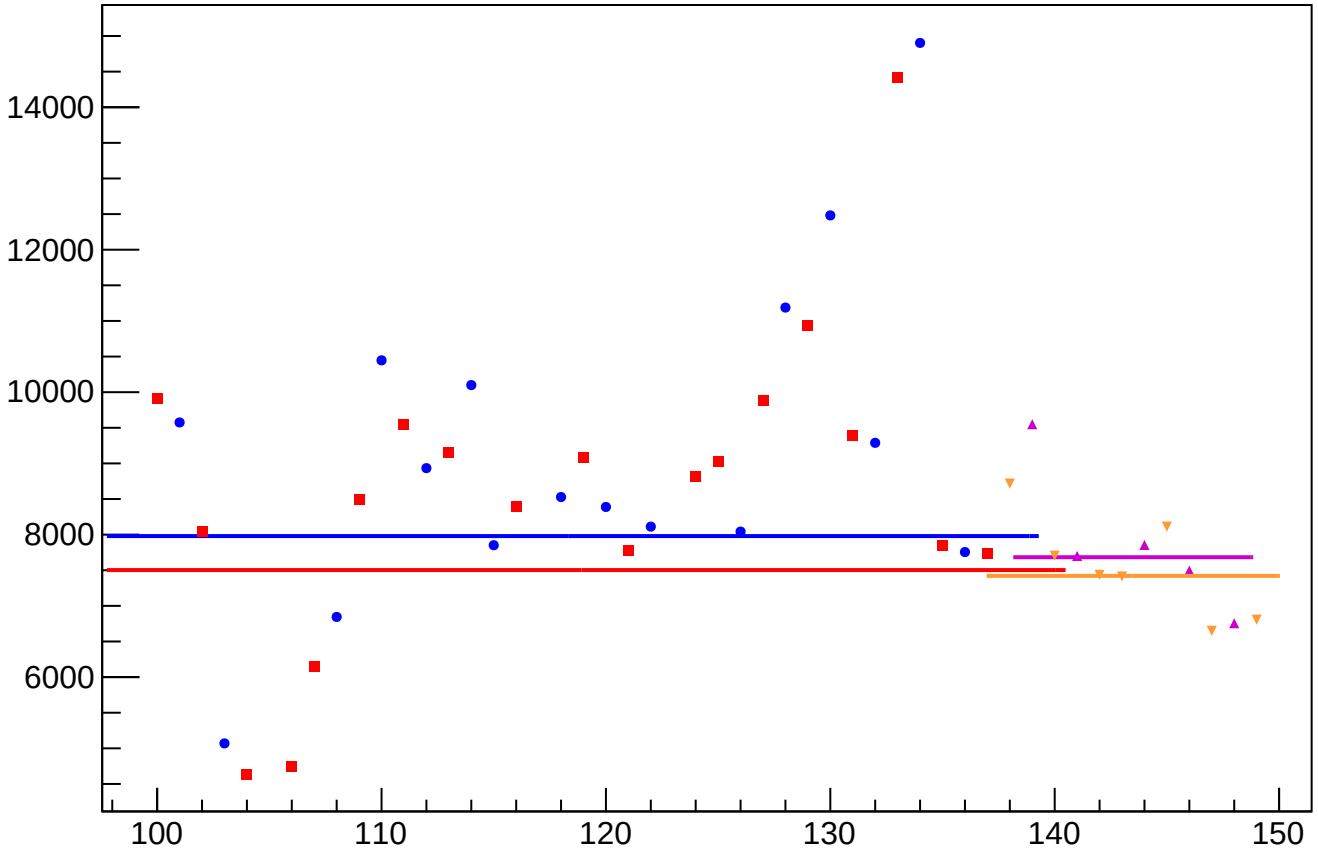
Left In: -2067.147+/-3706.781 χ^2/NDF:1.3/4

+ sign 1760.641+/-2228.018 χ^2/NDF: 22.4/22

All: 894.987+/-1593.799 χ^2/NDF: 41.1/46

- 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: 7421.031+/-2.285 χ^2/NDF:83580.2/6

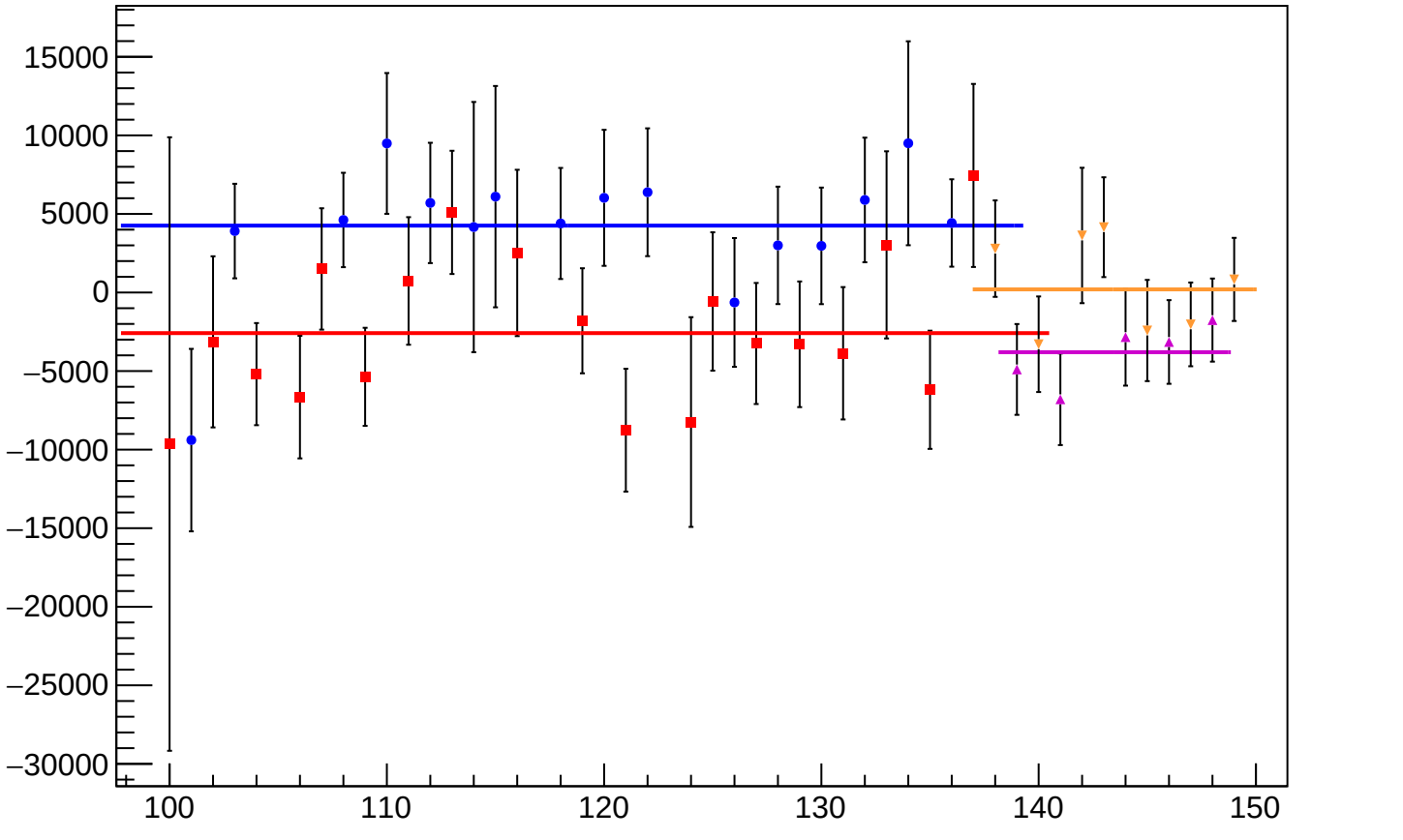
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7683.006+/-2.621 χ^2/NDF:98087.4/4

+ sign 7714.255+/-1.575 χ^2/NDF: 1037738.1/22

All: 7644.285+/-1.127 χ^2/NDF: 2278329.6/46

- sign 7570.958+/-1.613 χ^2/NDF: 1236551.9/23



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 198.176+/-1156.815 χ^2/NDF:5.6/6

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

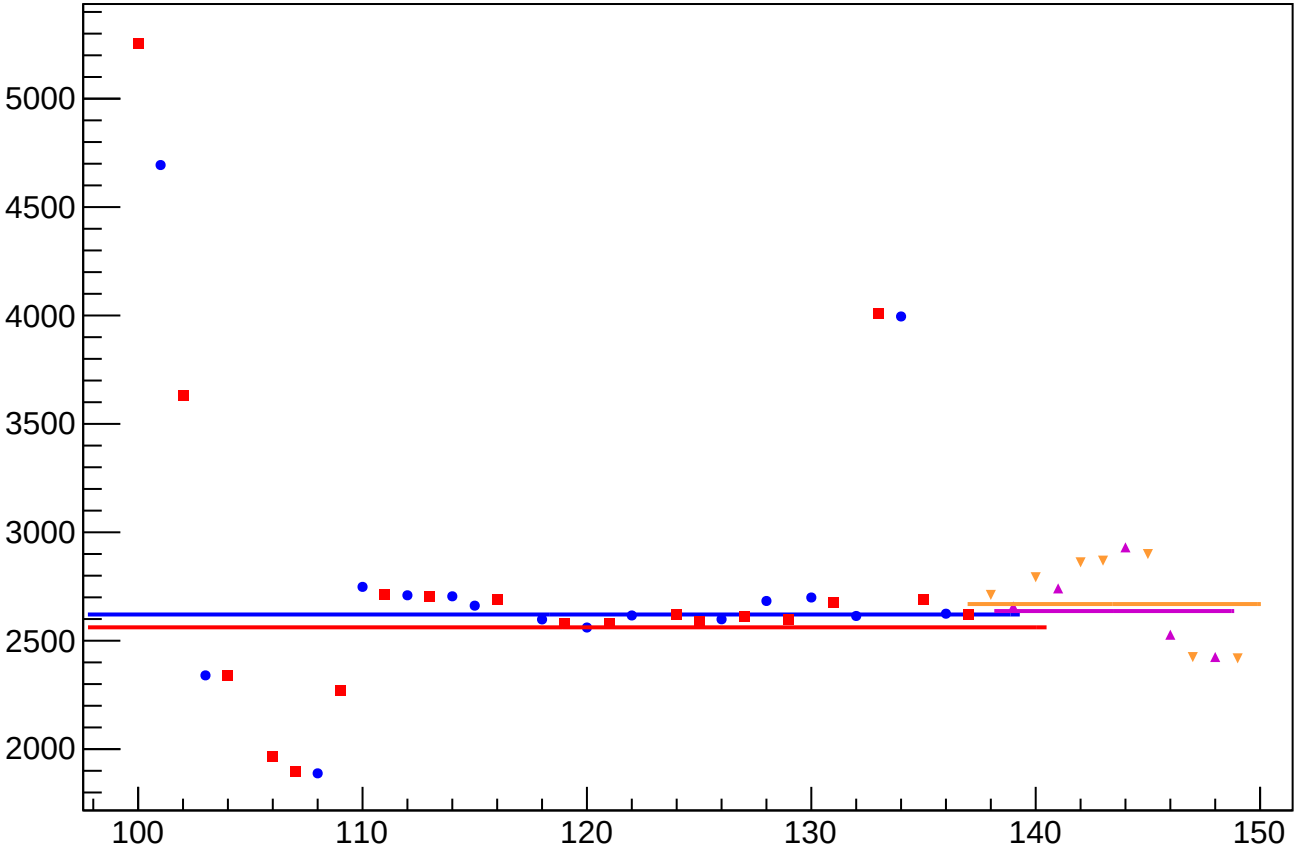
Left In: -3798.489+/-1263.485 χ^2/NDF:2.0/4

+ sign 2539.983+/-752.401 χ^2/NDF: 22.8/22

All: -191.152+/-537.263 χ^2/NDF: 69.8/46

- 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: 2669.101+/-0.818 χ^2/NDF:60644.6/6

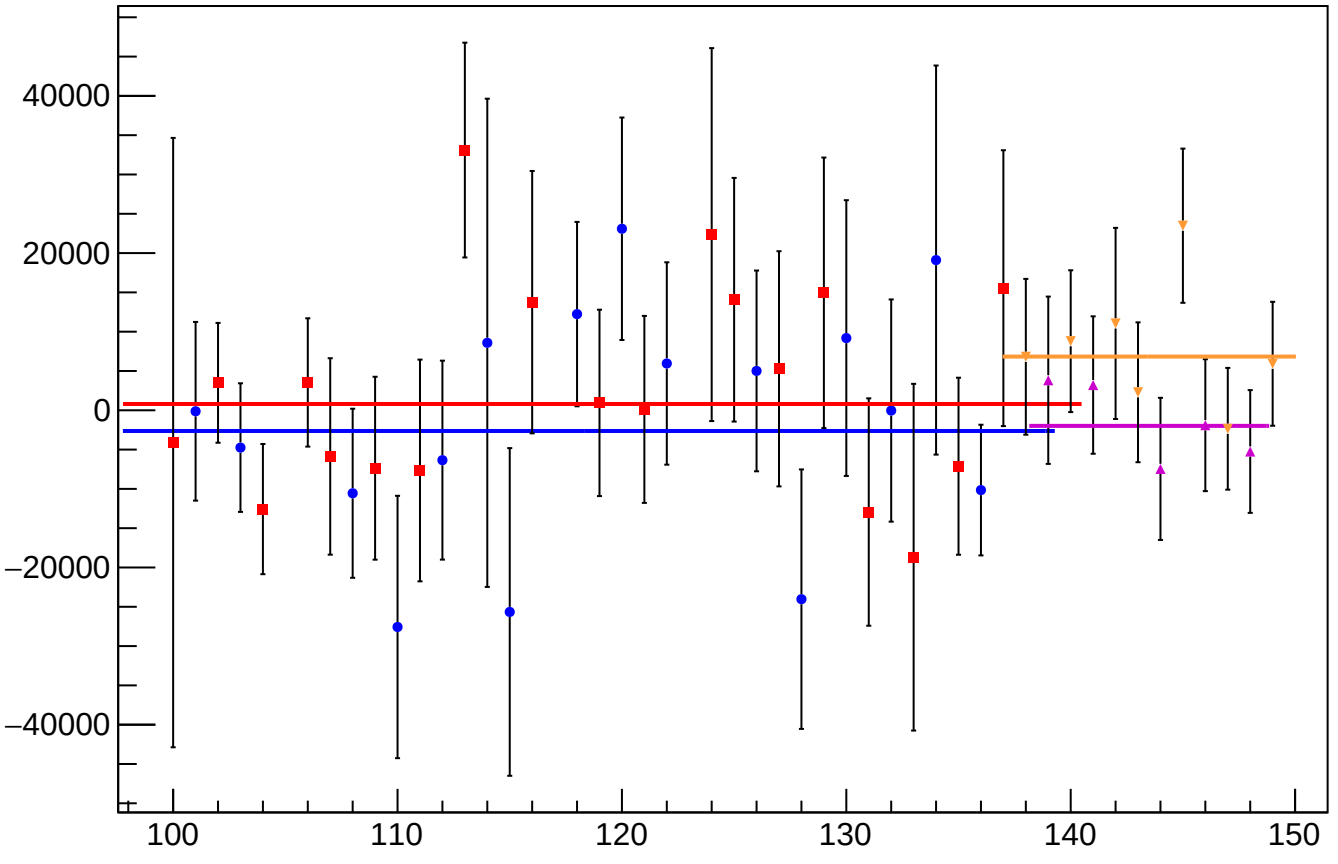
Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2636.787+/-0.893 χ^2/NDF:36987.7/4

+ sign 2641.327+/-0.532 χ^2/NDF: 548556.8/22

All: 2615.864+/-0.380 χ^2/NDF: 972933.3/46

- 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: 6834.294+/-3429.465 χ^2/NDF:4.7/6

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

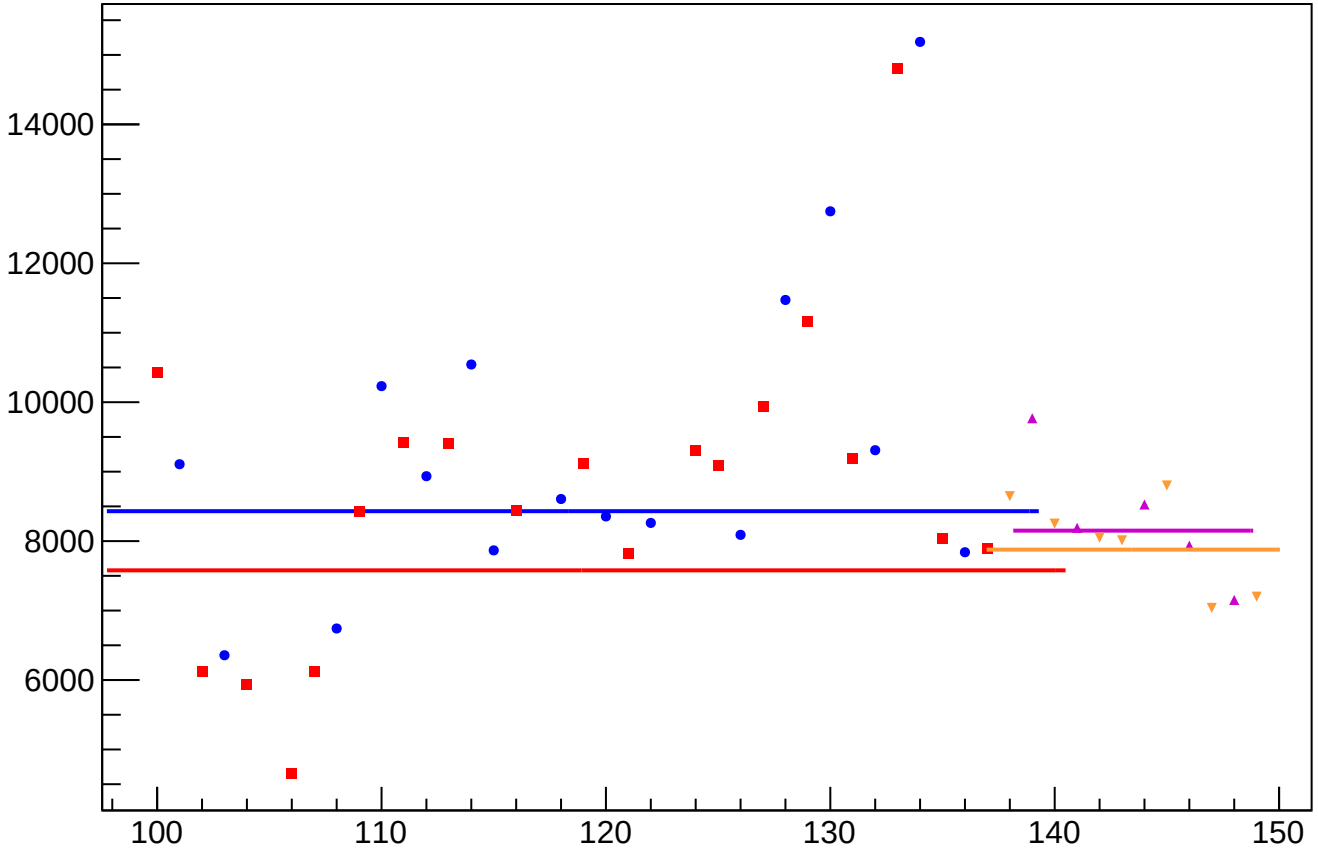
Left In: -1982.034+/-3929.828 χ^2/NDF:1.2/4

+ sign 1790.836+/-2344.147 χ^2/NDF: 22.6/22

All: 801.418+/-1648.693 χ^2/NDF: 39.9/46

- 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: 7877.426+/-2.425 χ^2/NDF:72316.0/6

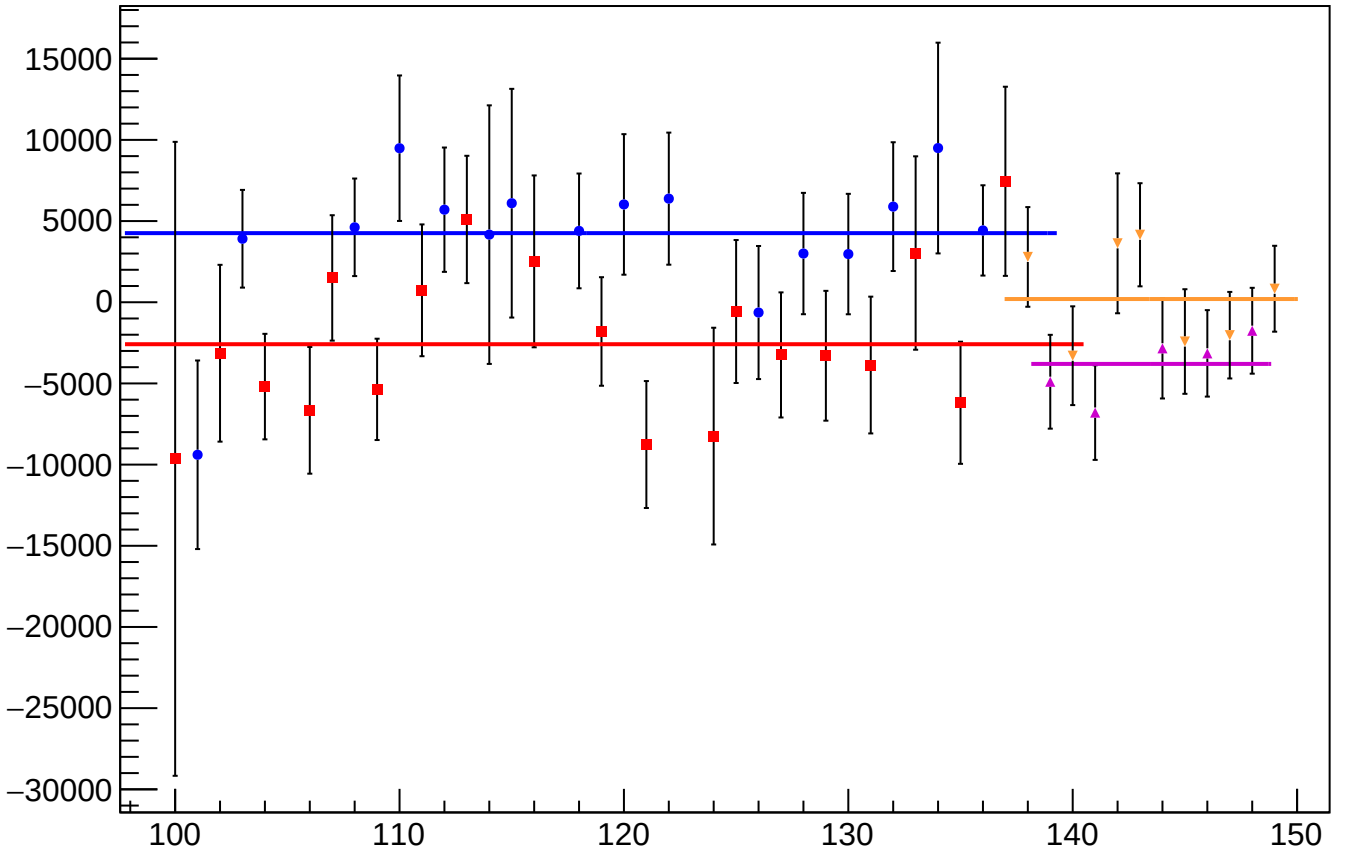
Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8150.786+/-2.779 χ^2/NDF:83731.4/4

+ sign 8172.239+/-1.658 χ^2/NDF: 680351.7/22

All: 7973.130+/-1.166 χ^2/NDF: 1794345.8/46

- sign 7778.226+/-1.640 χ^2/NDF: 1085440.5/23



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 198.178+/-1156.816 χ^2/NDF:5.6/6

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

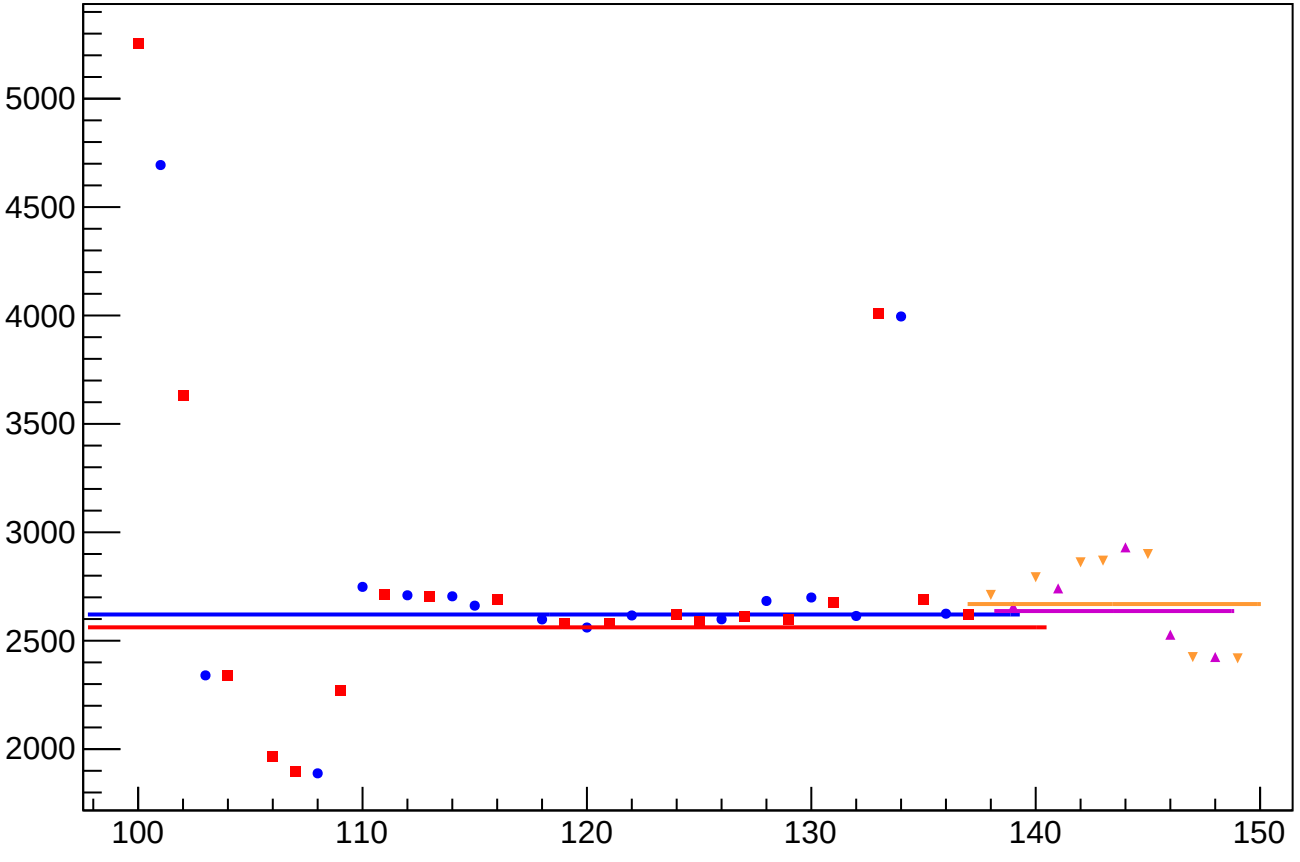
Left In: -3798.479+/-1263.486 χ^2/NDF:2.0/4

+ sign 2539.991+/-752.401 χ^2/NDF: 22.8/22

All: -191.150+/-537.263 χ^2/NDF: 69.8/46

- 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: 2669.103+/-0.818 χ^2/NDF:60644.6/6

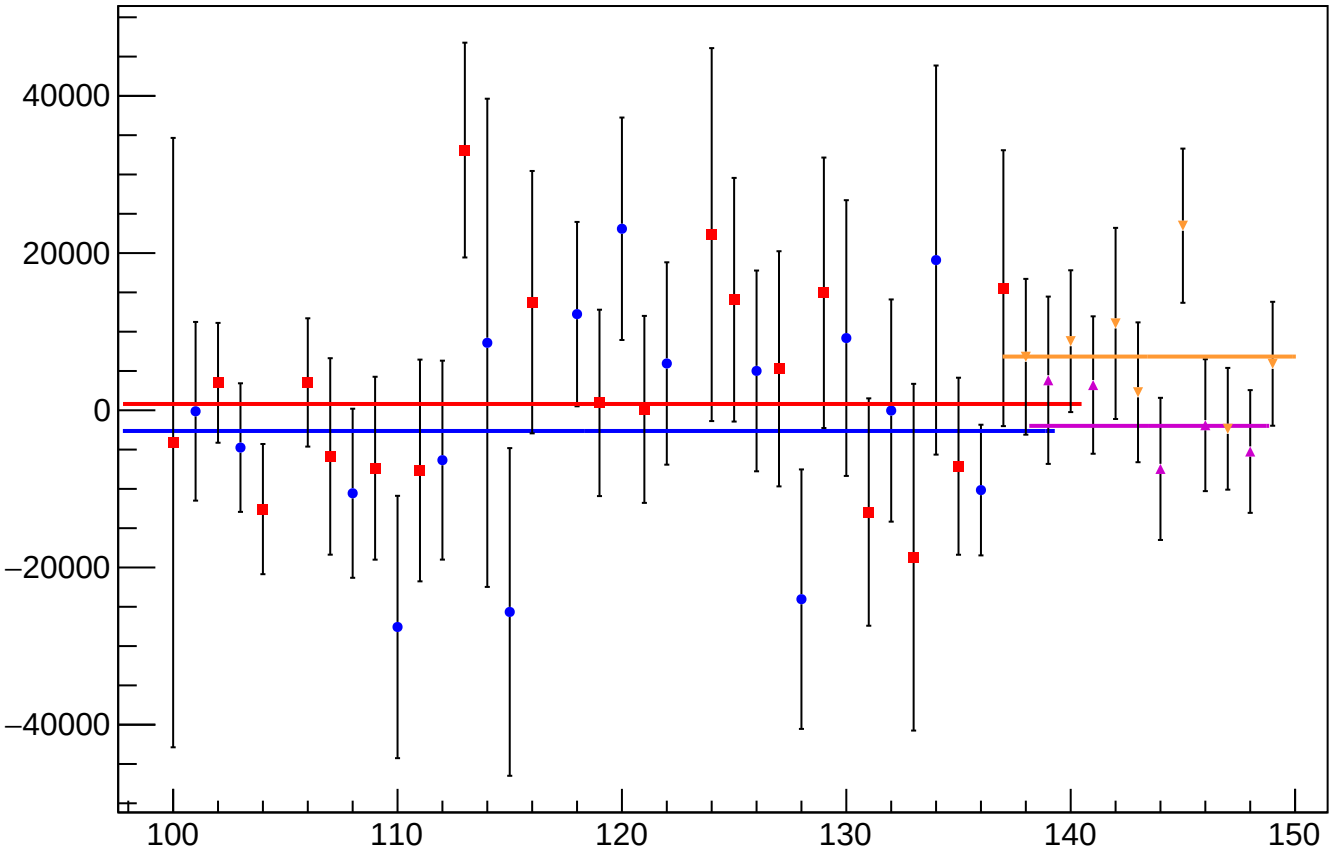
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2636.789+/-0.893 χ^2/NDF:36987.4/4

+ sign 2641.327+/-0.532 χ^2/NDF: 548557.3/22

All: 2615.864+/-0.380 χ^2/NDF: 972933.1/46

- sign 2589.393+/-0.542 χ^2/NDF: 419703.9/23



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 6834.300+/-3429.471 χ^2/NDF:4.7/6

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

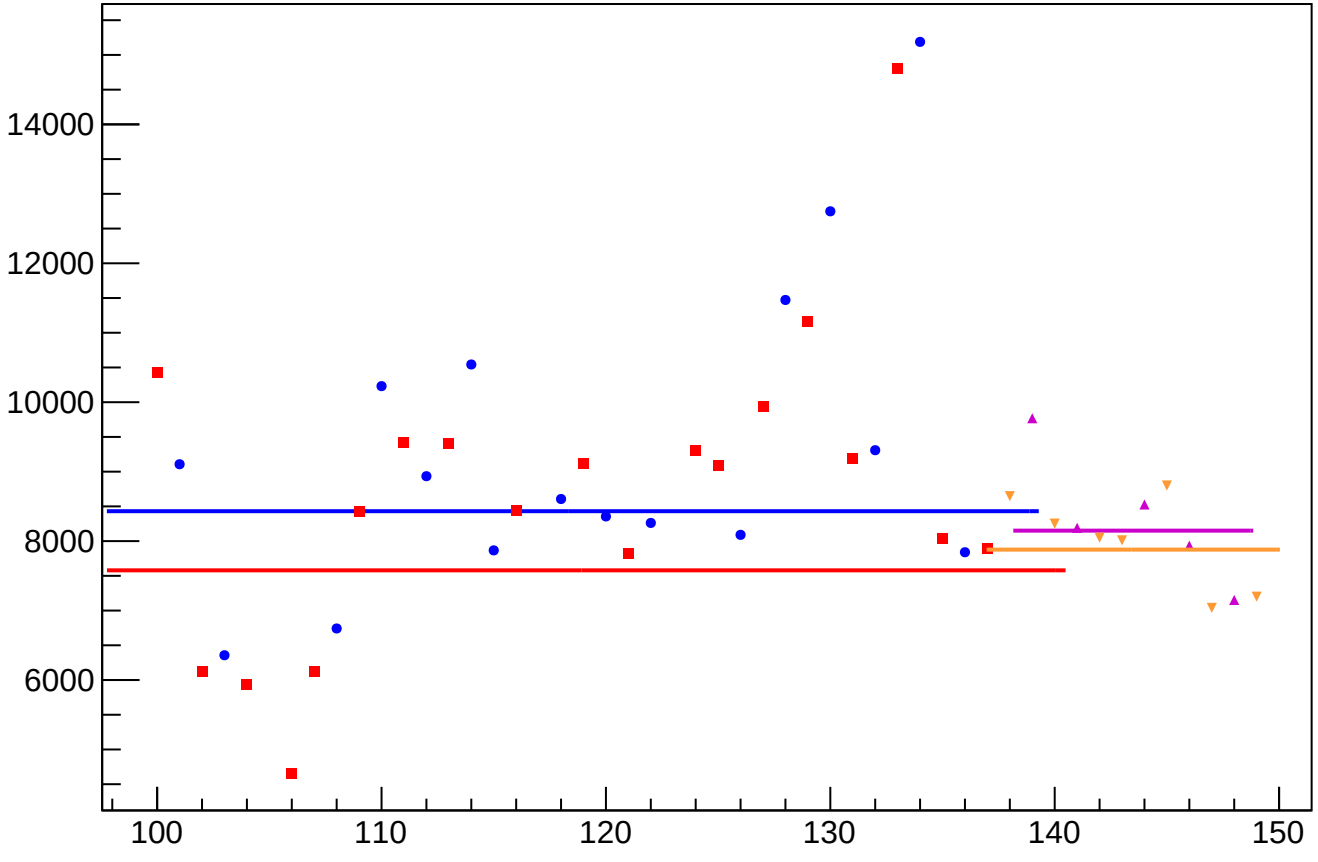
Left In: -1982.019+/-3929.833 χ^2/NDF:1.2/4

+ sign 1790.843+/-2344.146 χ^2/NDF: 22.6/22

All: 801.425+/-1648.693 χ^2/NDF: 39.9/46

- 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: 7877.438+/-2.425 χ^2/NDF:72315.9/6

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

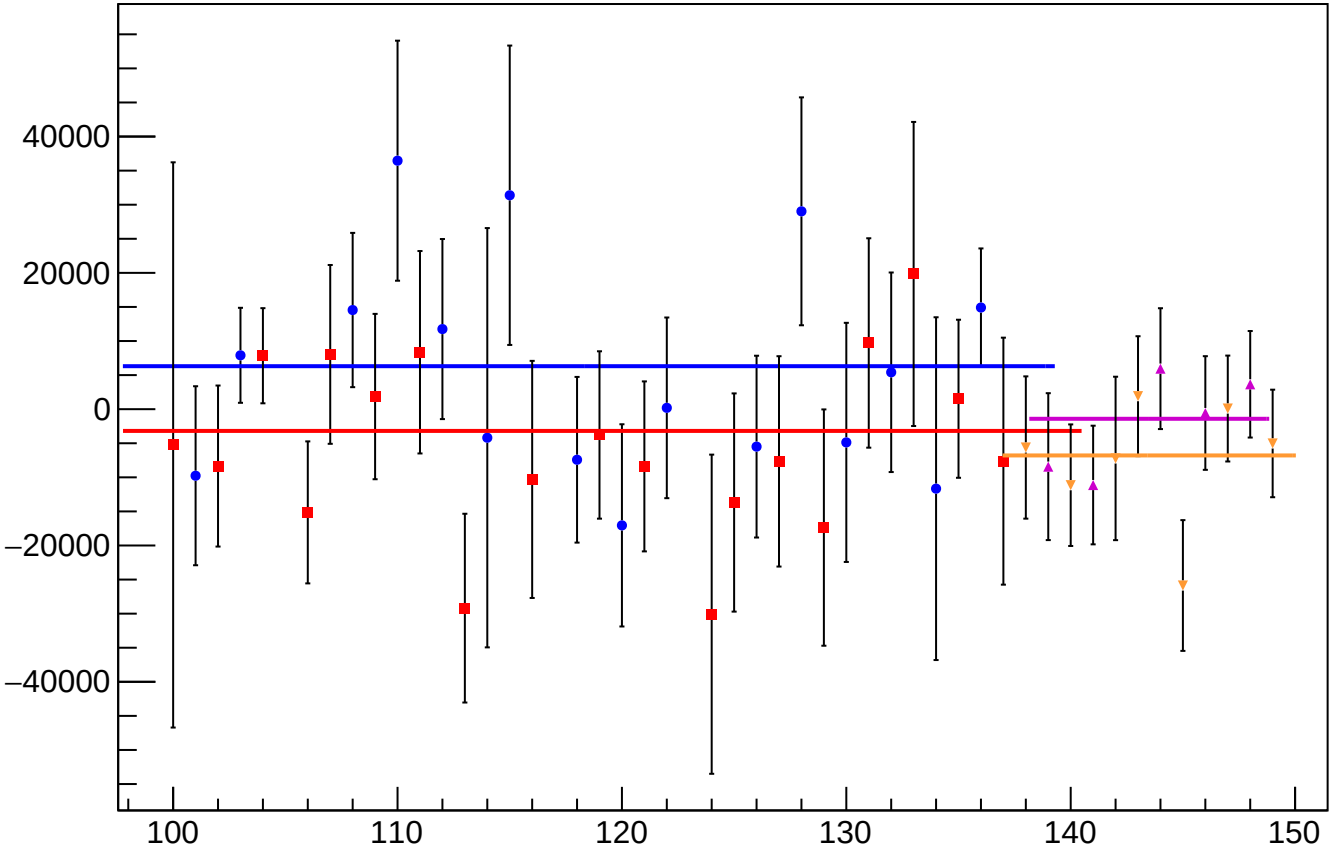
Left In: 8150.797+/-2.779 χ^2/NDF:83731.4/4

+ sign 8172.239+/-1.658 χ^2/NDF: 680343.7/22

All: 7973.128+/-1.166 χ^2/NDF: 1794337.0/46

- 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: -6787.153+/-3427.281 χ^2/NDF:6.0/6

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

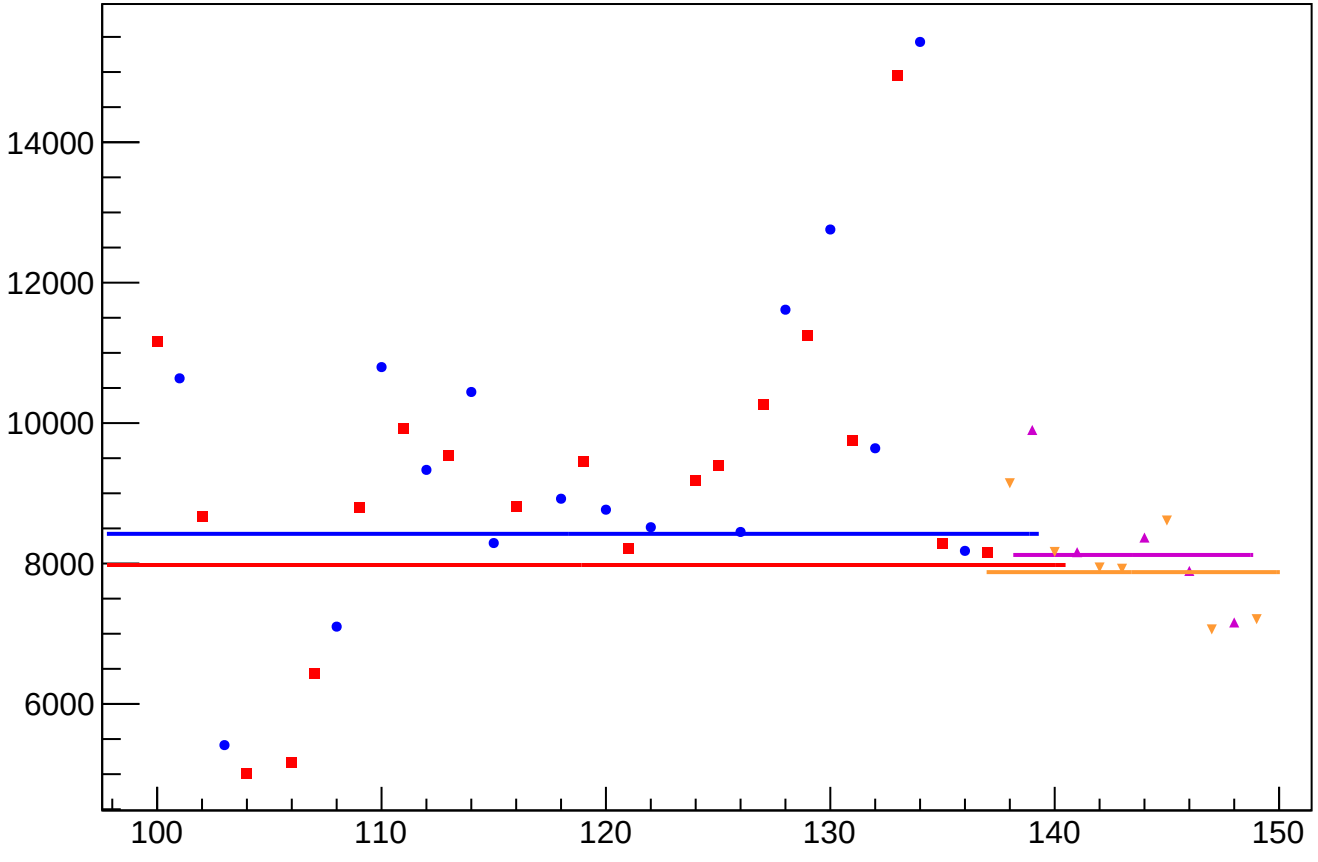
Left In: -1410.278+/-3913.606 χ^2/NDF:2.8/4

+ sign 128.058+/-2354.337 χ^2/NDF: 28.8/22

All: -1158.493+/-1685.748 χ^2/NDF: 46.3/46

- 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: 7877.422+/-2.423 χ^2/NDF:79826.8/6

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

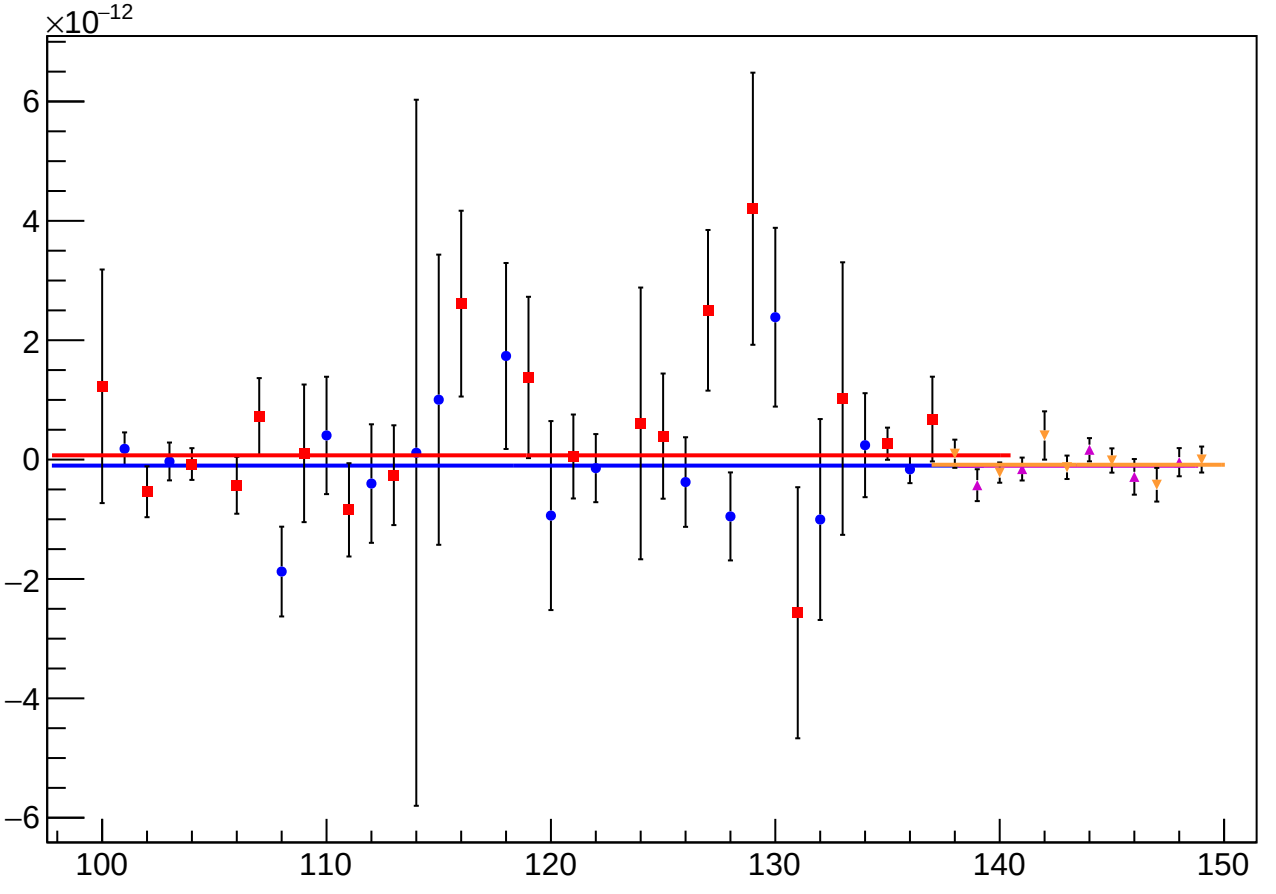
Left In: 8121.991+/-2.767 χ^2/NDF:87921.6/4

+ sign 8165.399+/-1.665 χ^2/NDF: 988398.3/22

All: 8101.091+/-1.192 χ^2/NDF: 2097054.4/46

- sign 8033.438+/-1.708 χ^2/NDF: 1105594.1/23

asym_atr2_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.4/6

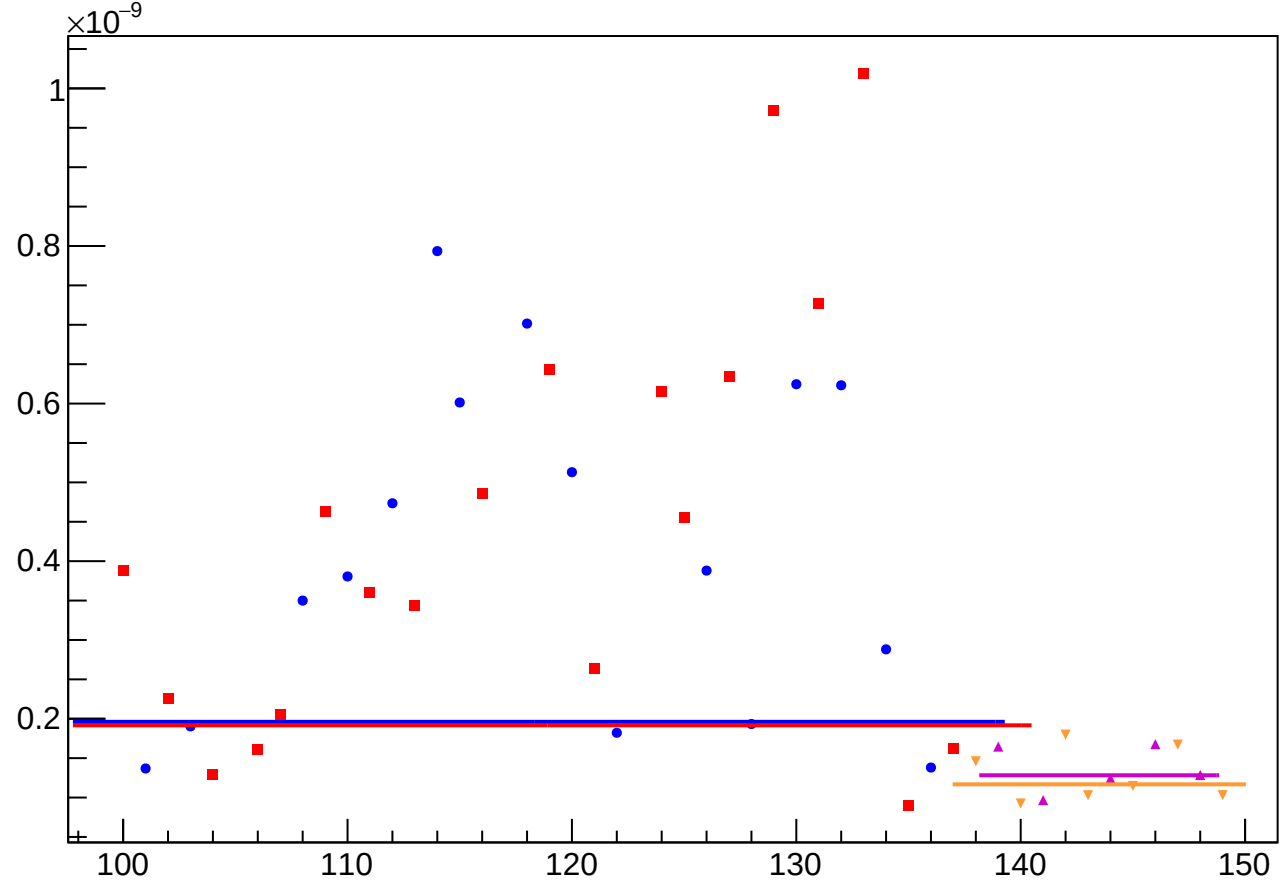
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 18.1/22

All: -0.000+/-0.000 χ^2/NDF: 42.8/46

- 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:202124.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

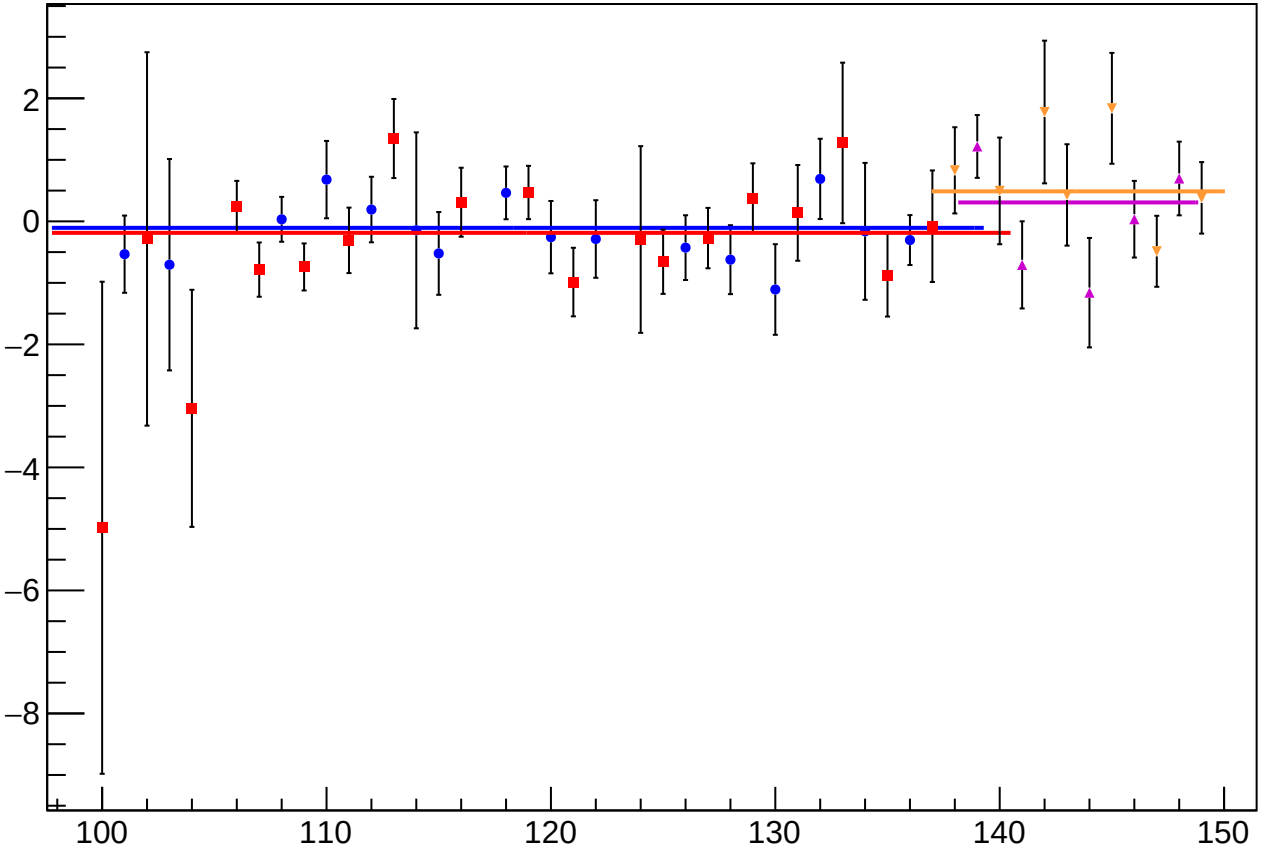
Left In: 0.000+/-0.000 χ^2/NDF:126970.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 2046463.0/22

All: 0.000+/-0.000 χ^2/NDF: 4531980.7/46

- 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: 0.488+/-0.280 χ^2/NDF:6.6/6

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

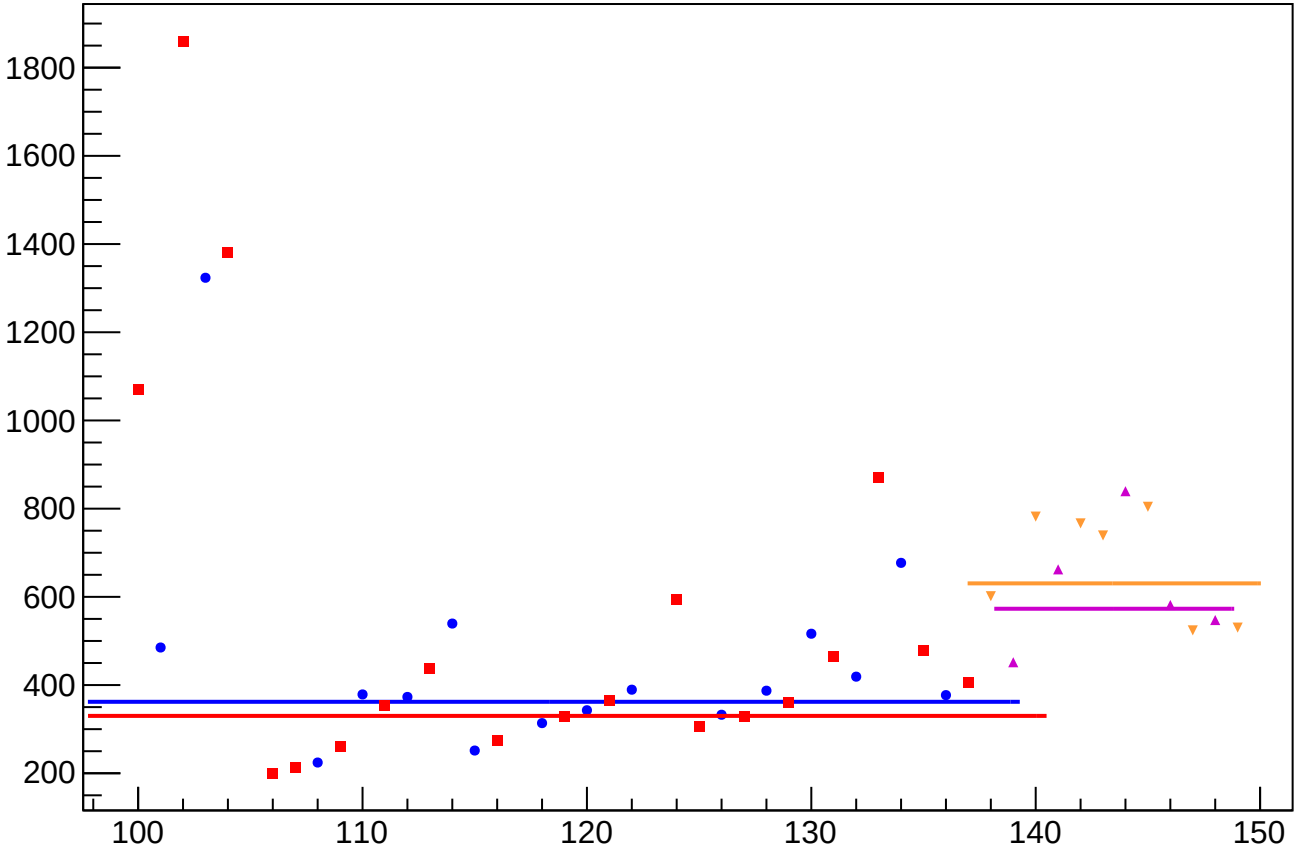
Left In: 0.307+/-0.283 χ^2/NDF:8.6/4

+ sign 0.020+/-0.129 χ^2/NDF: 19.8/22

All: -0.039+/-0.089 χ^2/NDF: 55.1/46

- 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: 630.565+/-0.198 χ^2/NDF:328749.6/6

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

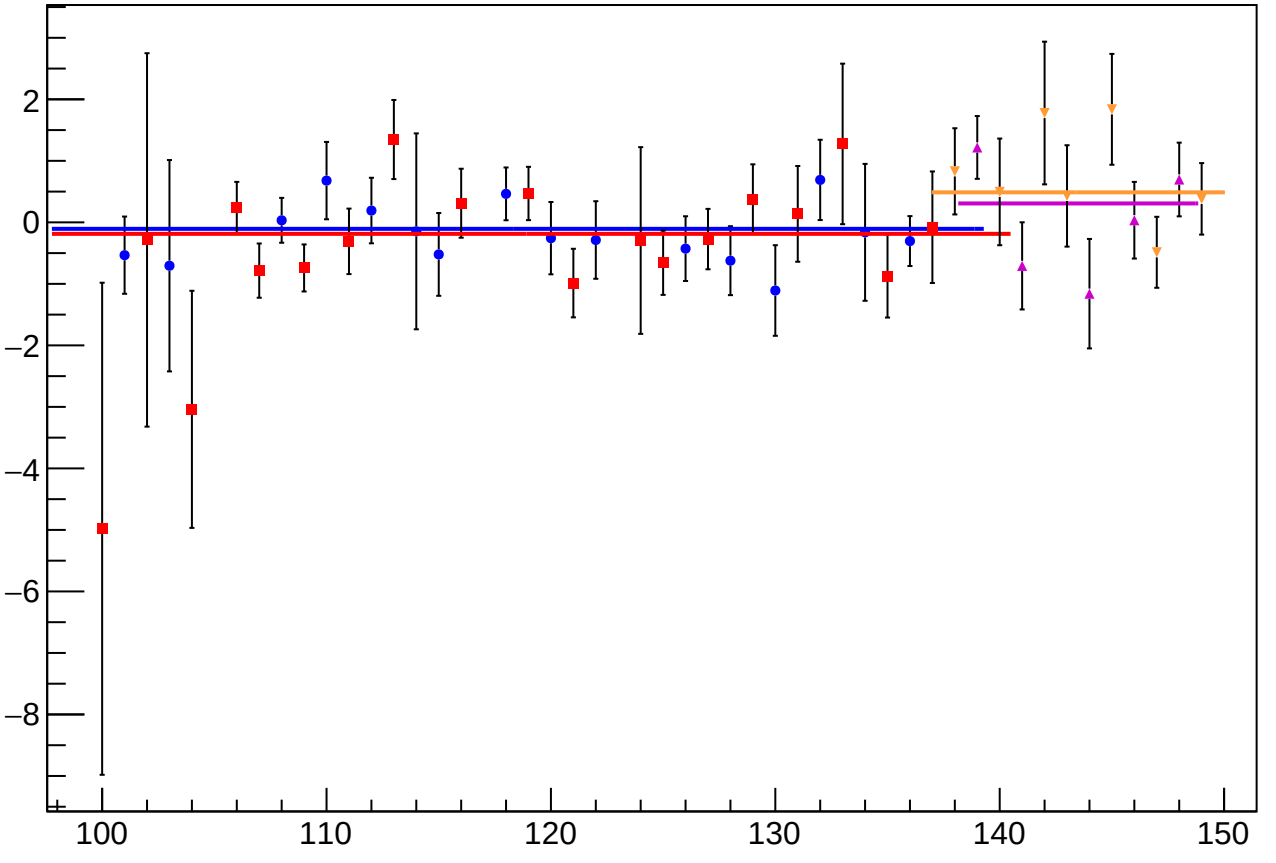
Left In: 573.026+/-0.200 χ^2/NDF:328202.3/4

+ sign 418.702+/-0.091 χ^2/NDF: 3159833.6/22

All: 396.704+/-0.063 χ^2/NDF: 7037756.1/46

- sign 376.343+/-0.087 χ^2/NDF: 3765083.2/23

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.488+/-0.280 χ^2/NDF:6.6/6

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

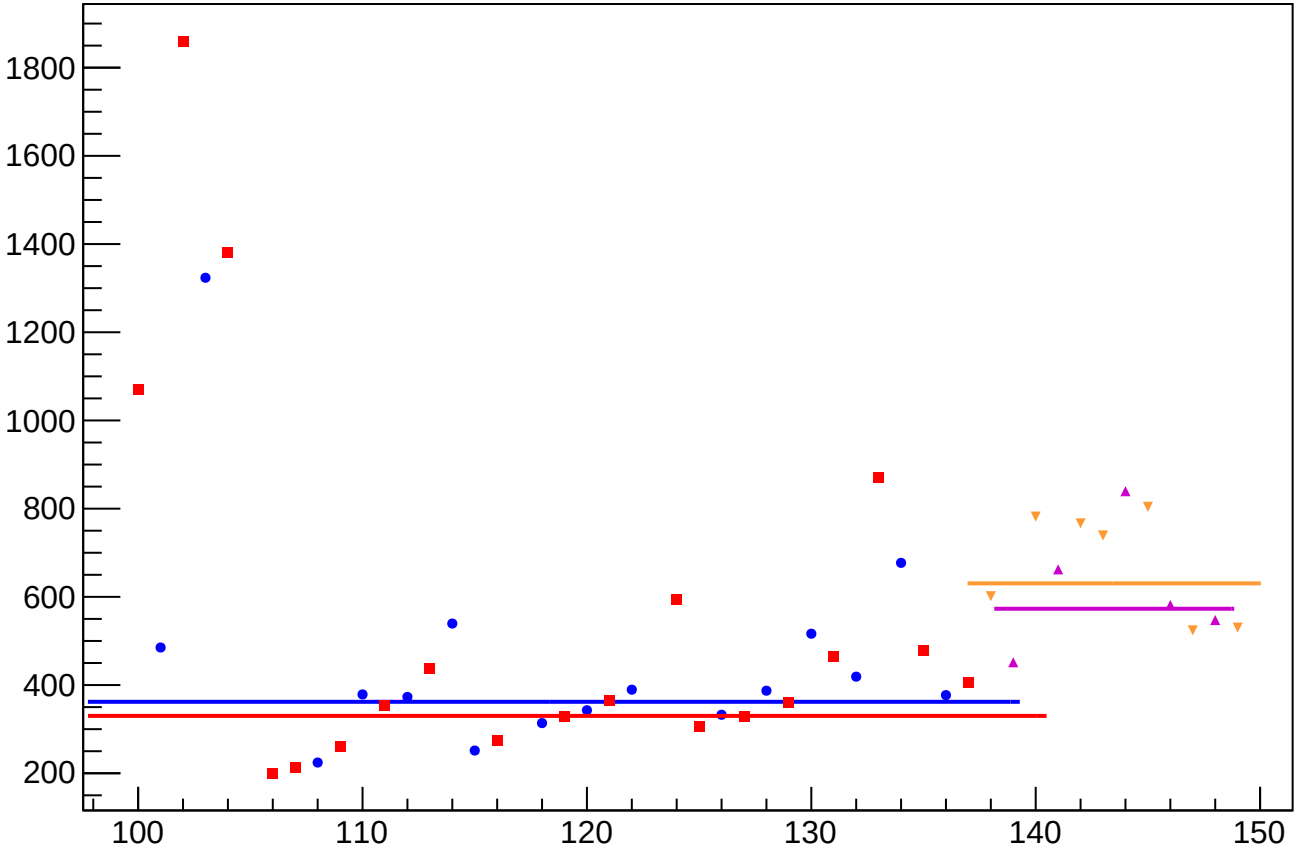
Left In: 0.307+/-0.283 χ^2/NDF:8.6/4

+ sign 0.020+/-0.129 χ^2/NDF: 19.8/22

All: -0.039+/-0.089 χ^2/NDF: 55.1/46

- 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: 630.565+/-0.198 χ^2/NDF:328749.6/6

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

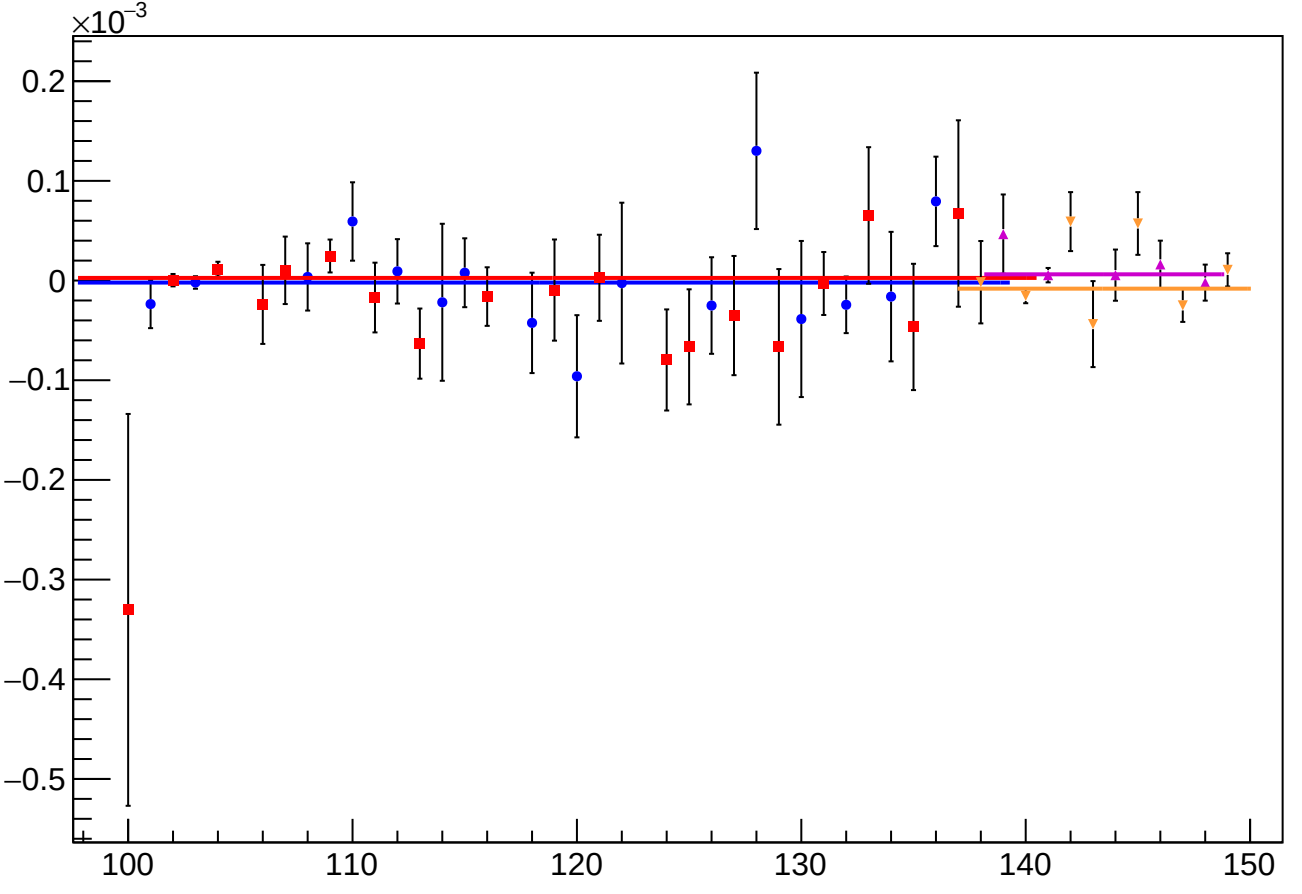
Left In: 573.026+/-0.200 χ^2/NDF:328202.3/4

+ sign 418.702+/-0.091 χ^2/NDF: 3159833.6/22

All: 396.704+/-0.063 χ^2/NDF: 7037756.1/46

- 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:13.5/6

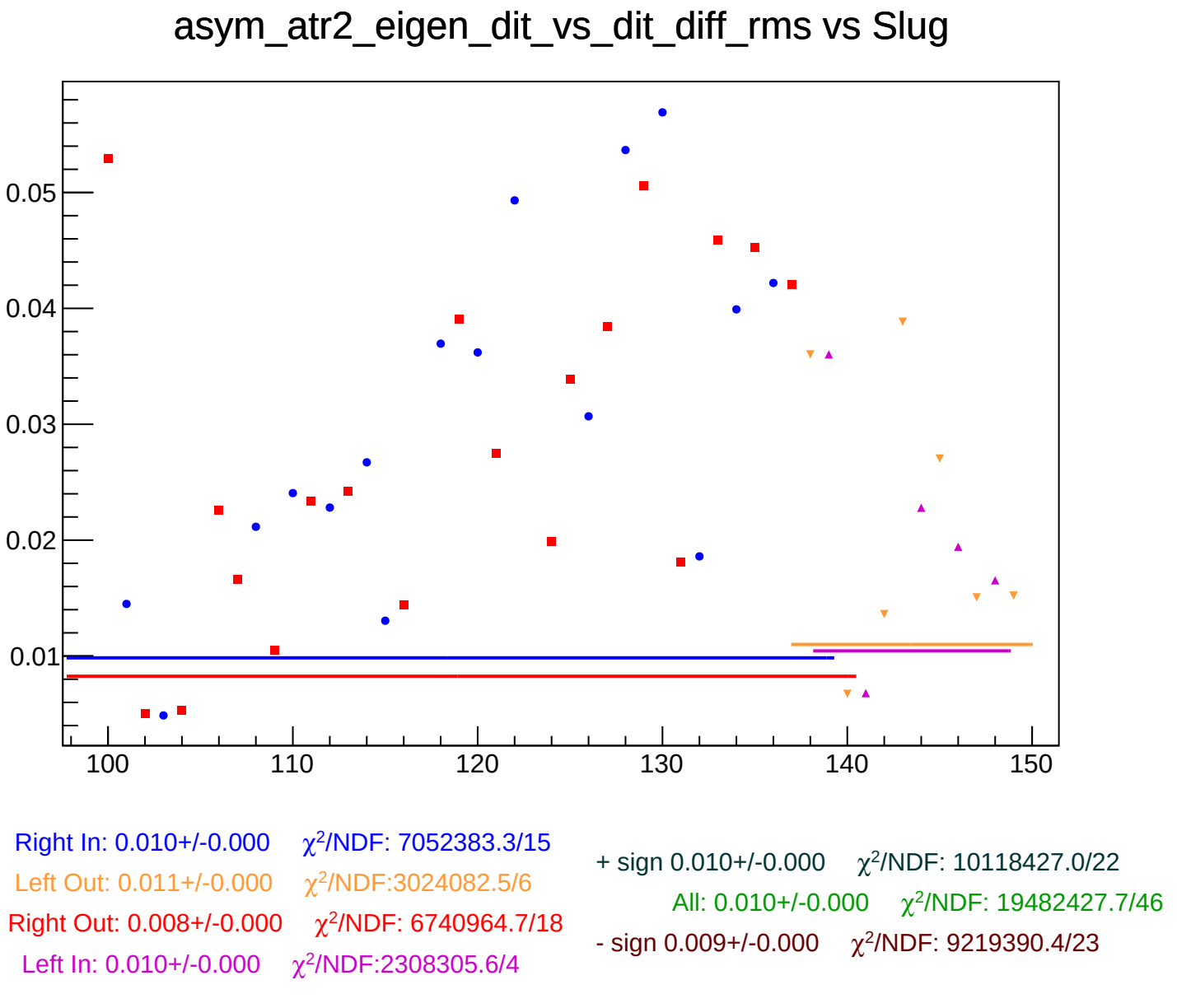
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

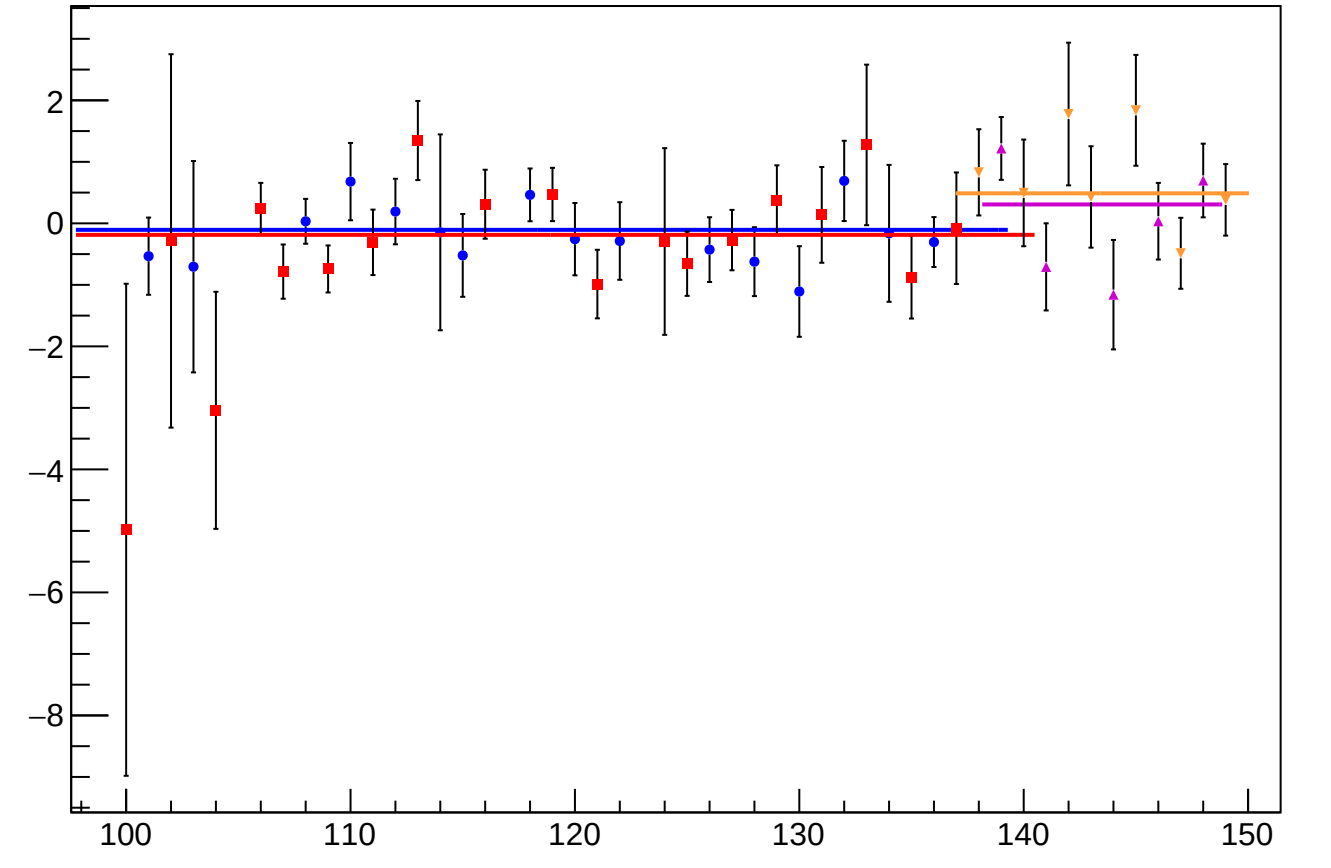
Left In: 0.000+/-0.000 χ^2/NDF:1.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 27.8/22

All: 0.000+/-0.000 χ^2/NDF: 50.4/46

- sign 0.000+/-0.000 χ^2/NDF: 19.9/23


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.011+/-0.000 χ²/NDF:3024082.5/6
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.010+/-0.000 χ²/NDF:2308305.6/4
+ sign 0.010+/-0.000 χ²/NDF: 10118427.0/22
All: 0.010+/-0.000 χ²/NDF: 19482427.7/46
- sign 0.009+/-0.000 χ²/NDF: 9219390.4/23



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.488+/-0.280 χ^2/NDF:6.6/6

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

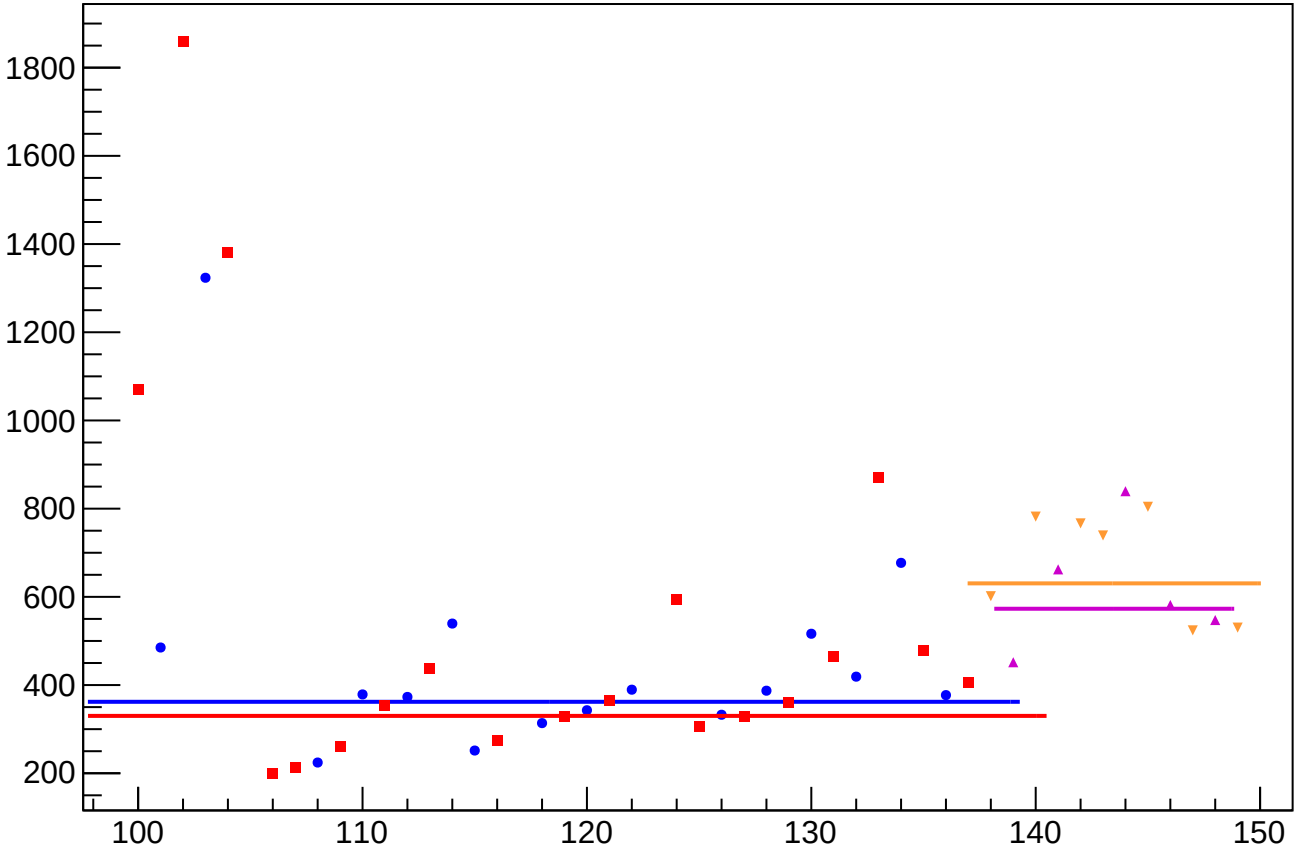
Left In: 0.307+/-0.283 χ^2/NDF:8.6/4

+ sign 0.020+/-0.129 χ^2/NDF: 19.8/22

All: -0.039+/-0.089 χ^2/NDF: 55.1/46

- 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: 630.575+/-0.198 χ^2/NDF:328734.6/6

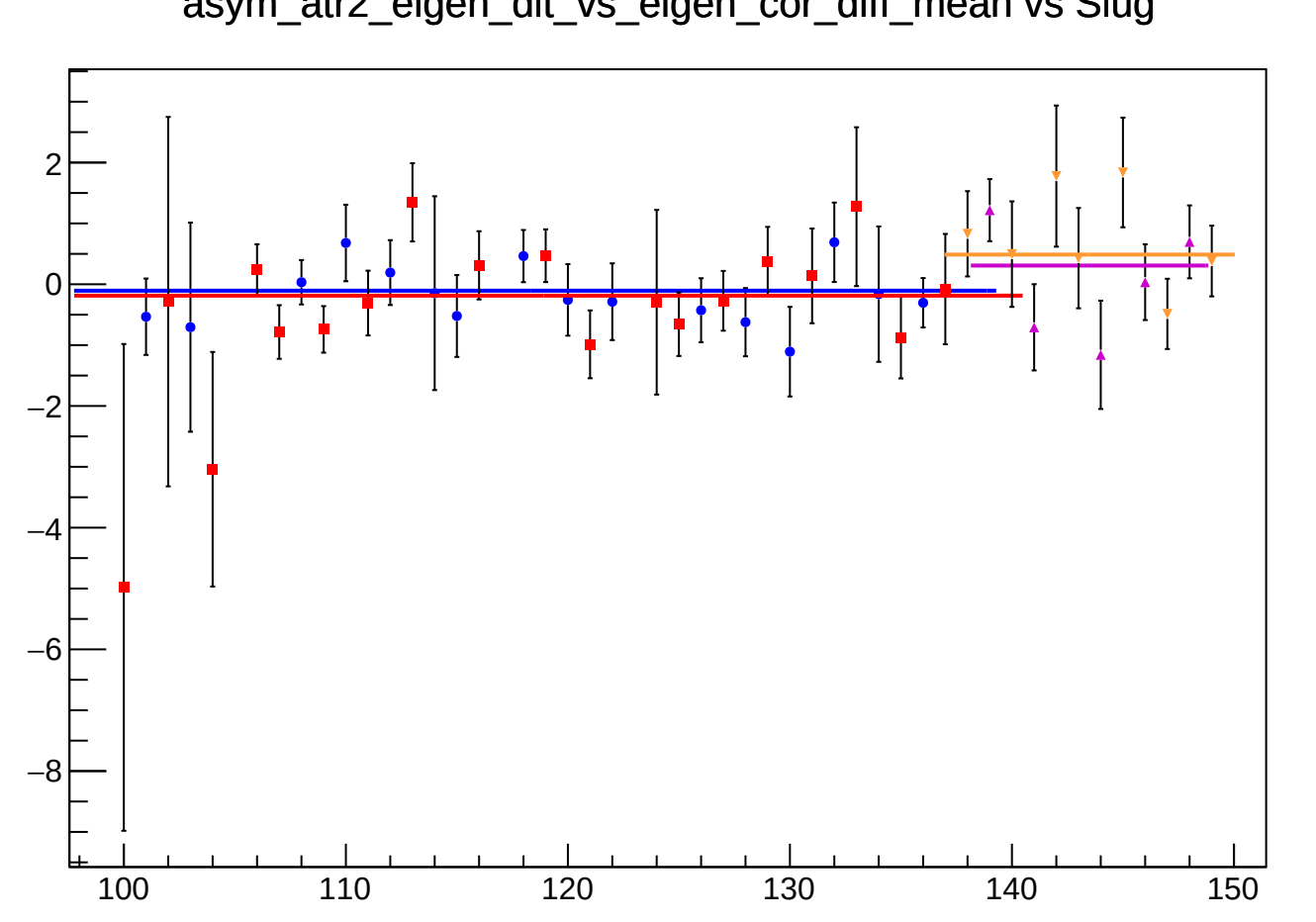
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 573.034+/-0.200 χ^2/NDF:328187.7/4

+ sign 418.700+/-0.091 χ^2/NDF: 3159926.6/22

All: 396.702+/-0.063 χ^2/NDF: 7037890.4/46

- 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: 0.488+/-0.280 χ^2/NDF:6.6/6

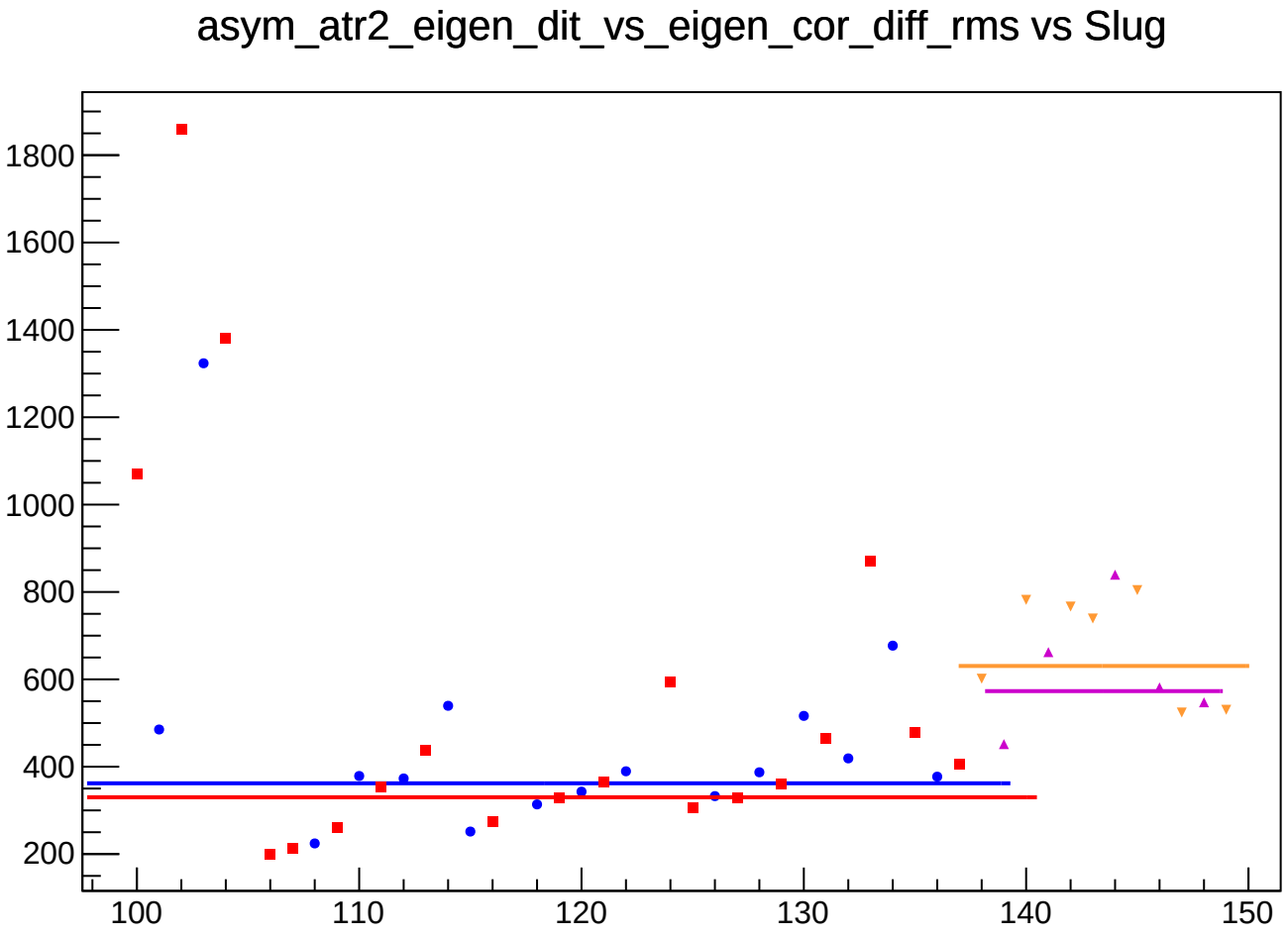
Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.307+/-0.283 χ^2/NDF:8.6/4

+ sign 0.020+/-0.129 χ^2/NDF: 19.8/22

All: -0.039+/-0.089 χ^2/NDF: 55.1/46

- 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: 630.575+/-0.198 χ^2/NDF:328734.6/6

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

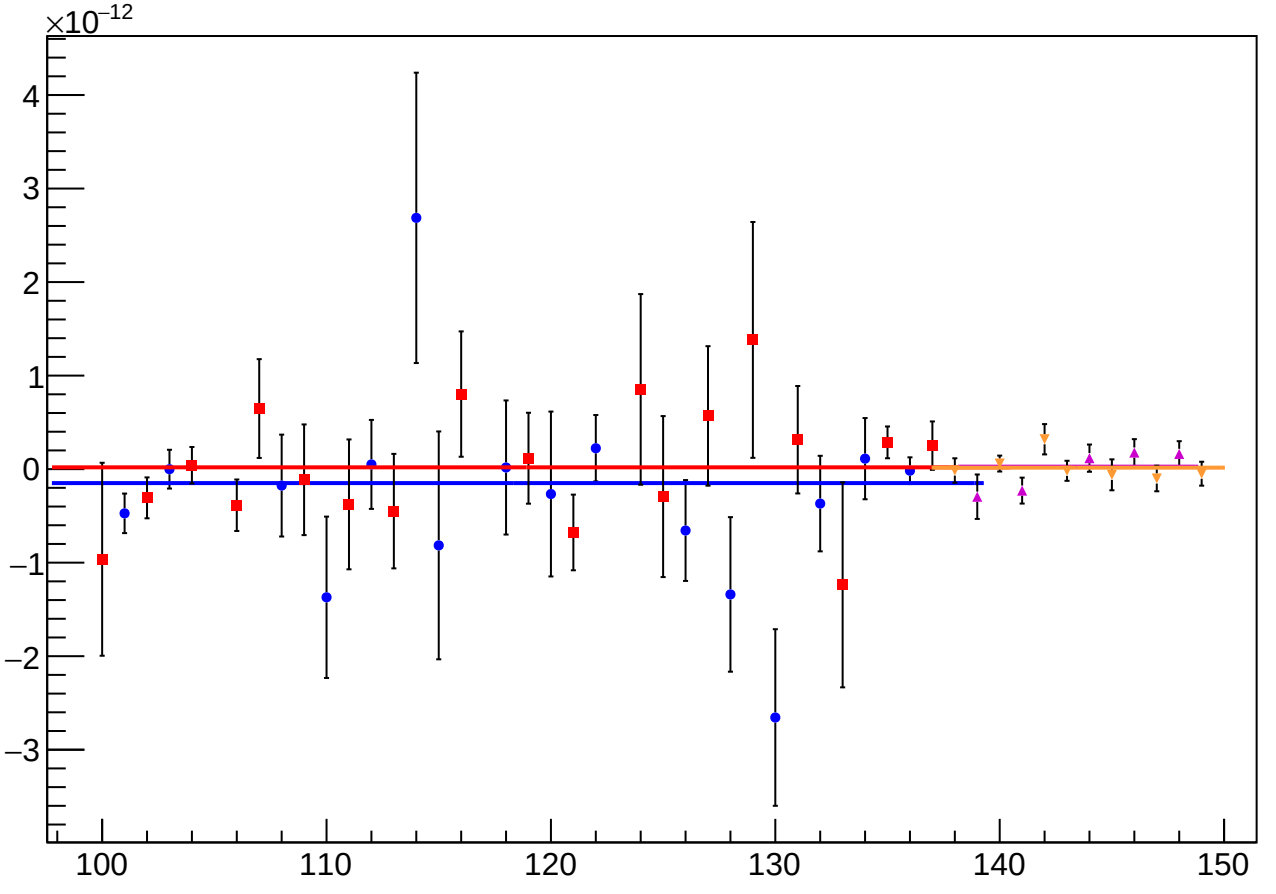
Left In: 573.034+/-0.200 χ^2/NDF:328187.7/4

+ sign 418.700+/-0.091 χ^2/NDF: 3159926.6/22

All: 396.702+/-0.063 χ^2/NDF: 7037890.4/46

- 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:5.1/6

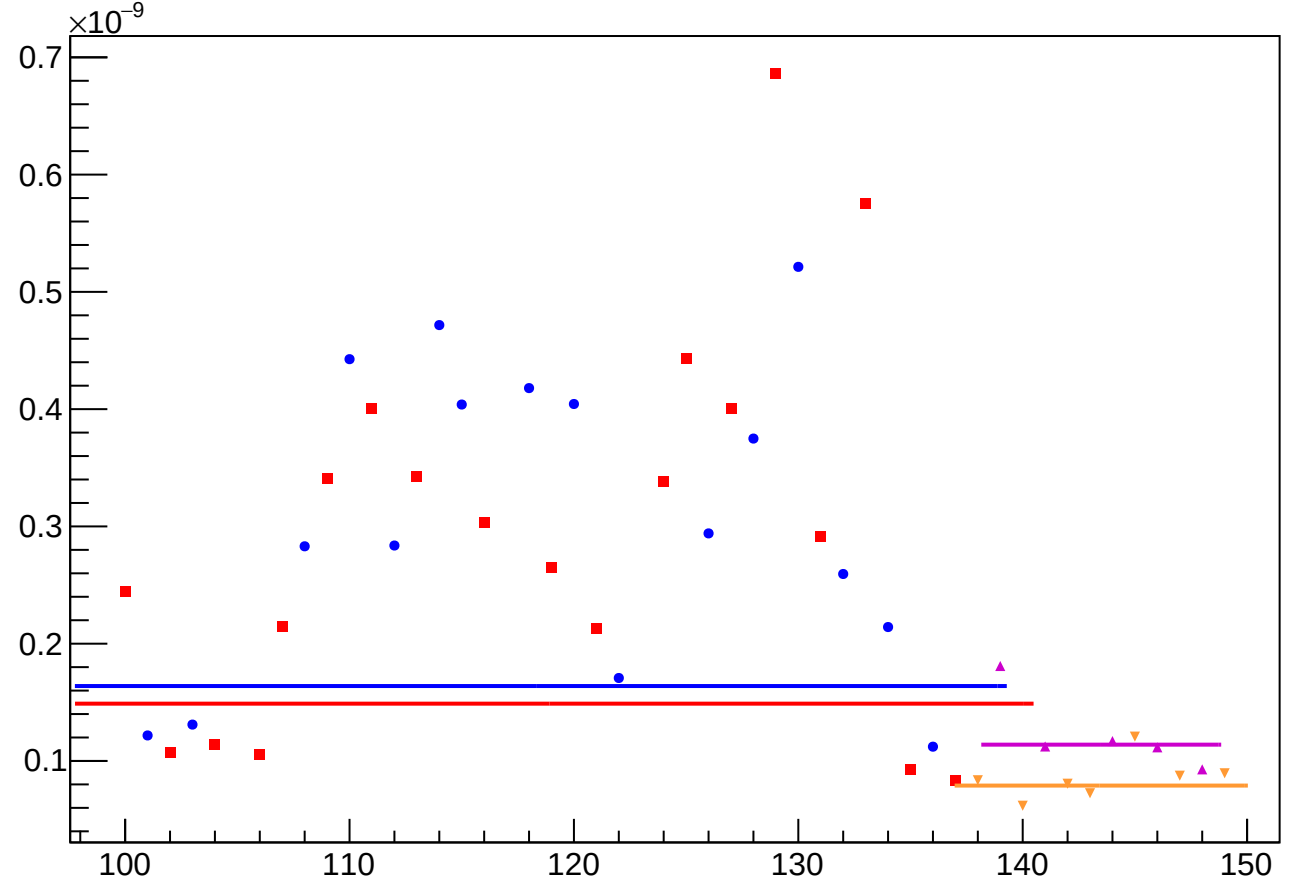
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 29.2/22

All: -0.000+/-0.000 χ^2/NDF: 56.8/46

- sign 0.000+/-0.000 χ^2/NDF: 27.2/23



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:239897.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

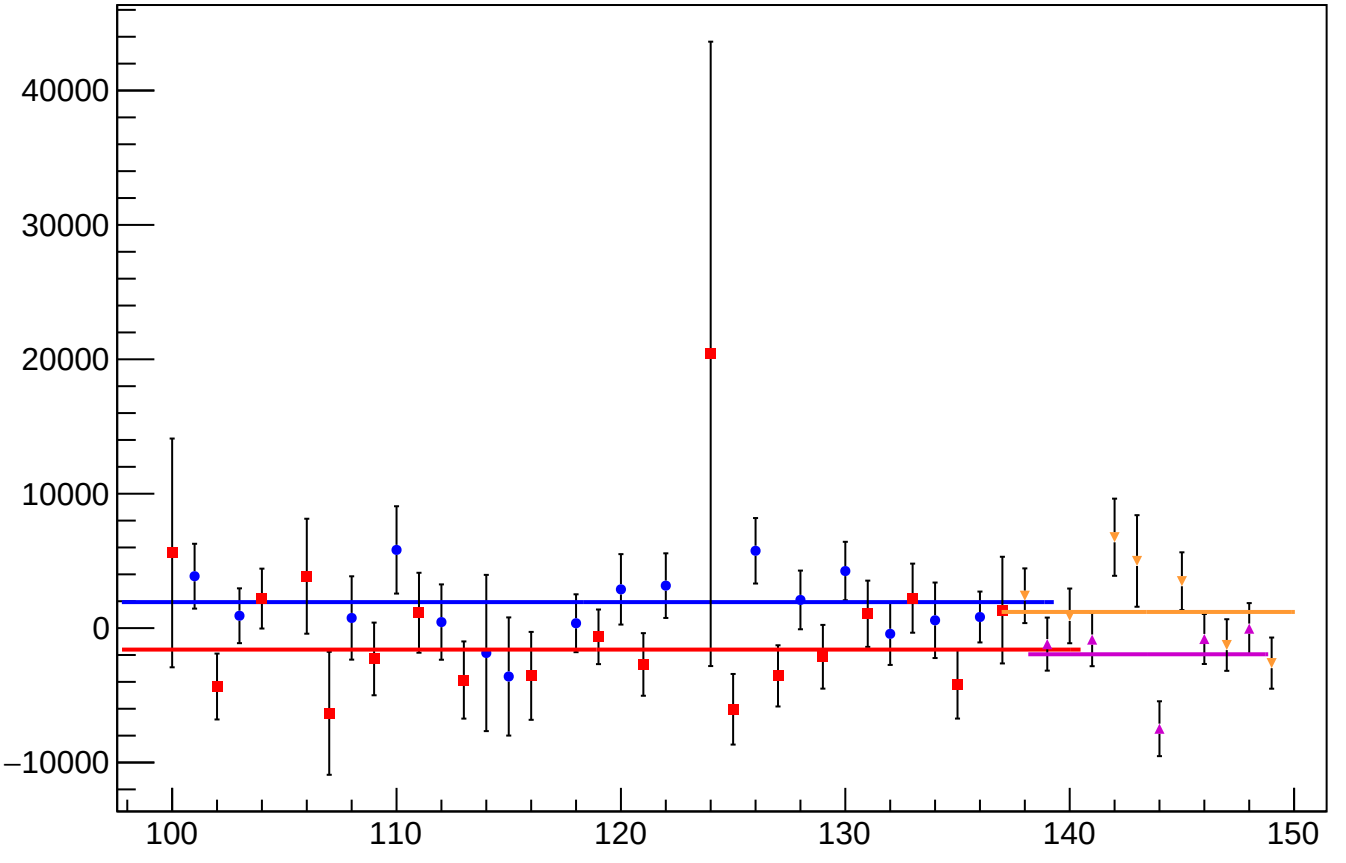
Left In: 0.000+/-0.000 χ^2/NDF:209146.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 3731262.1/22

All: 0.000+/-0.000 χ^2/NDF: 7413708.7/46

- 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: 1202.463+/-829.256 χ^2/NDF:12.1/6

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

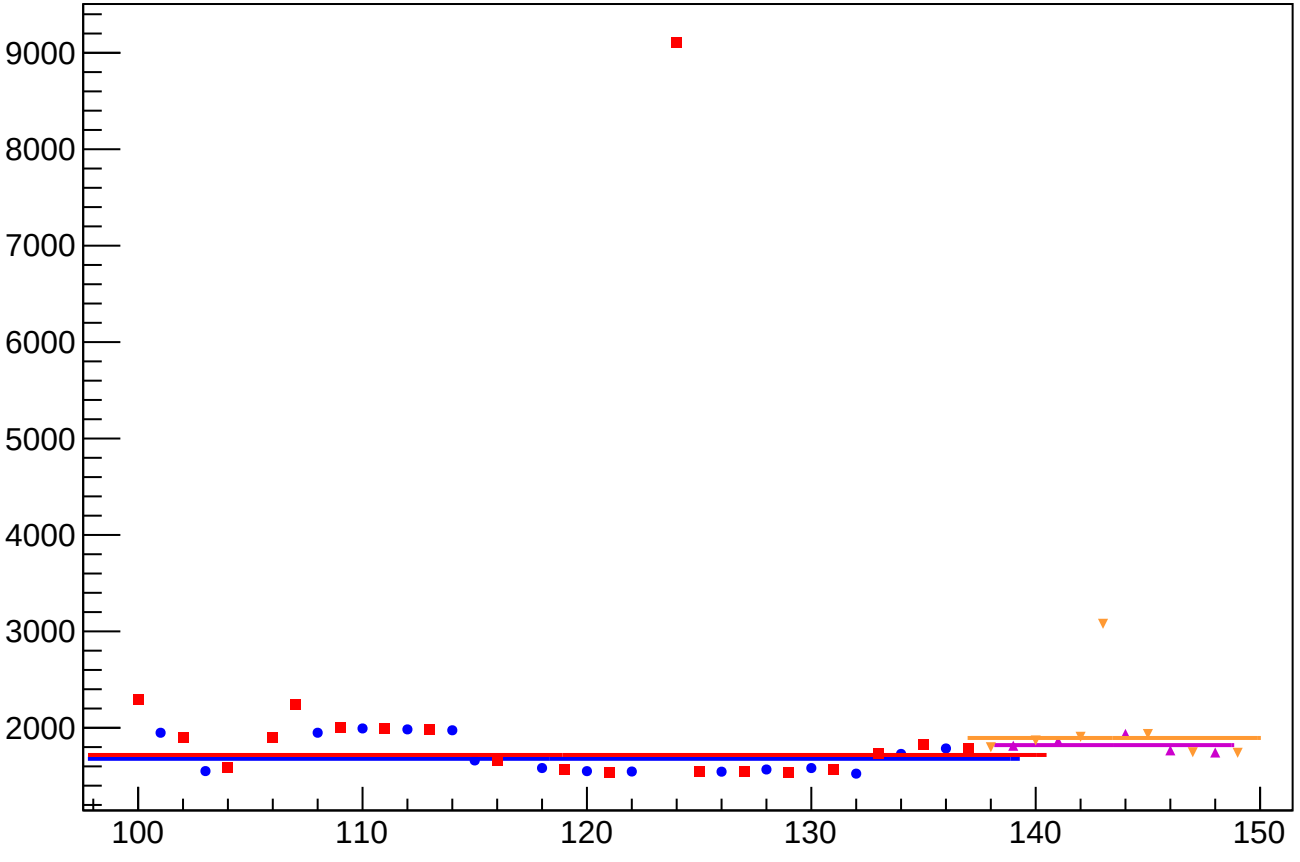
Left In: -1946.436+/-871.216 χ^2/NDF:9.2/4

+ sign 1667.918+/-500.575 χ^2/NDF: 23.5/22

All: 28.117+/-359.606 χ^2/NDF: 74.4/46

- 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: 1894.636+/-0.586 χ^2/NDF:271981.0/6

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

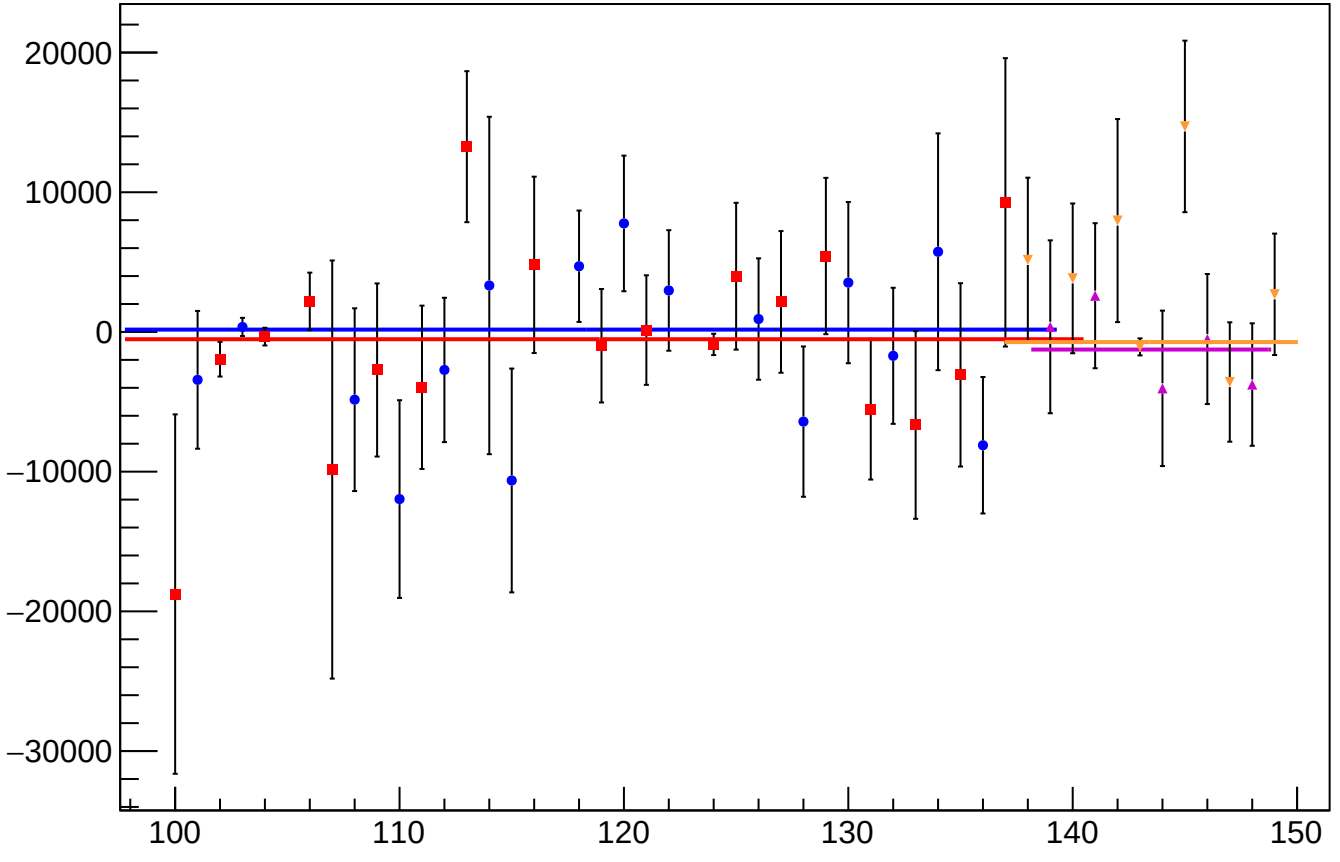
Left In: 1820.596+/-0.616 χ^2/NDF:12368.3/4

+ sign 1757.284+/-0.354 χ^2/NDF: 499786.7/22

All: 1755.739+/-0.254 χ^2/NDF: 913294.7/46

- 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: -724.241+/-587.133 χ^2/NDF:10.9/6

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

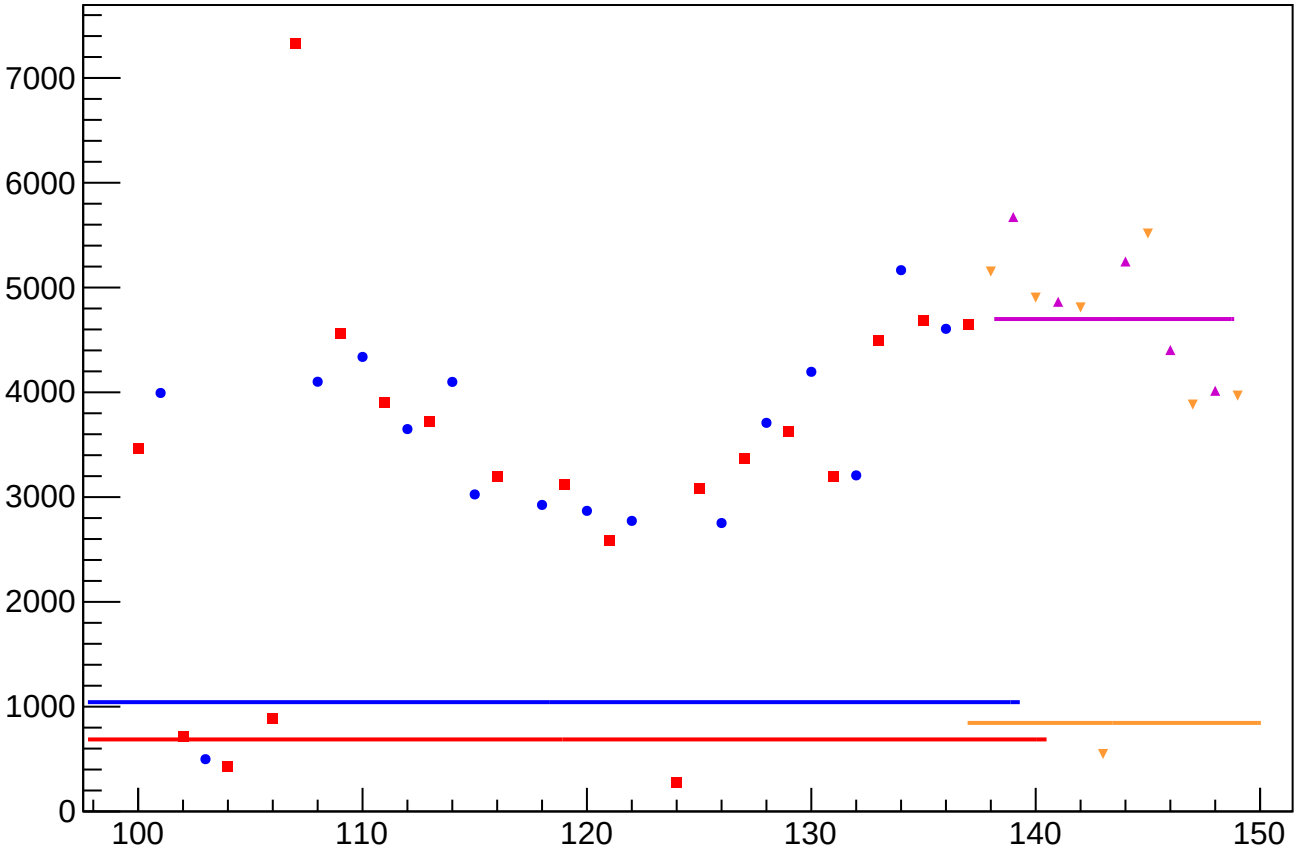
Left In: -1259.795+/-2271.984 χ^2/NDF:1.2/4

+ sign -281.367+/-416.738 χ^2/NDF: 27.8/22

All: -413.442+/-294.964 χ^2/NDF: 47.9/46

- 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: 844.890+/-0.415 χ^2/NDF:6487772.7/6

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

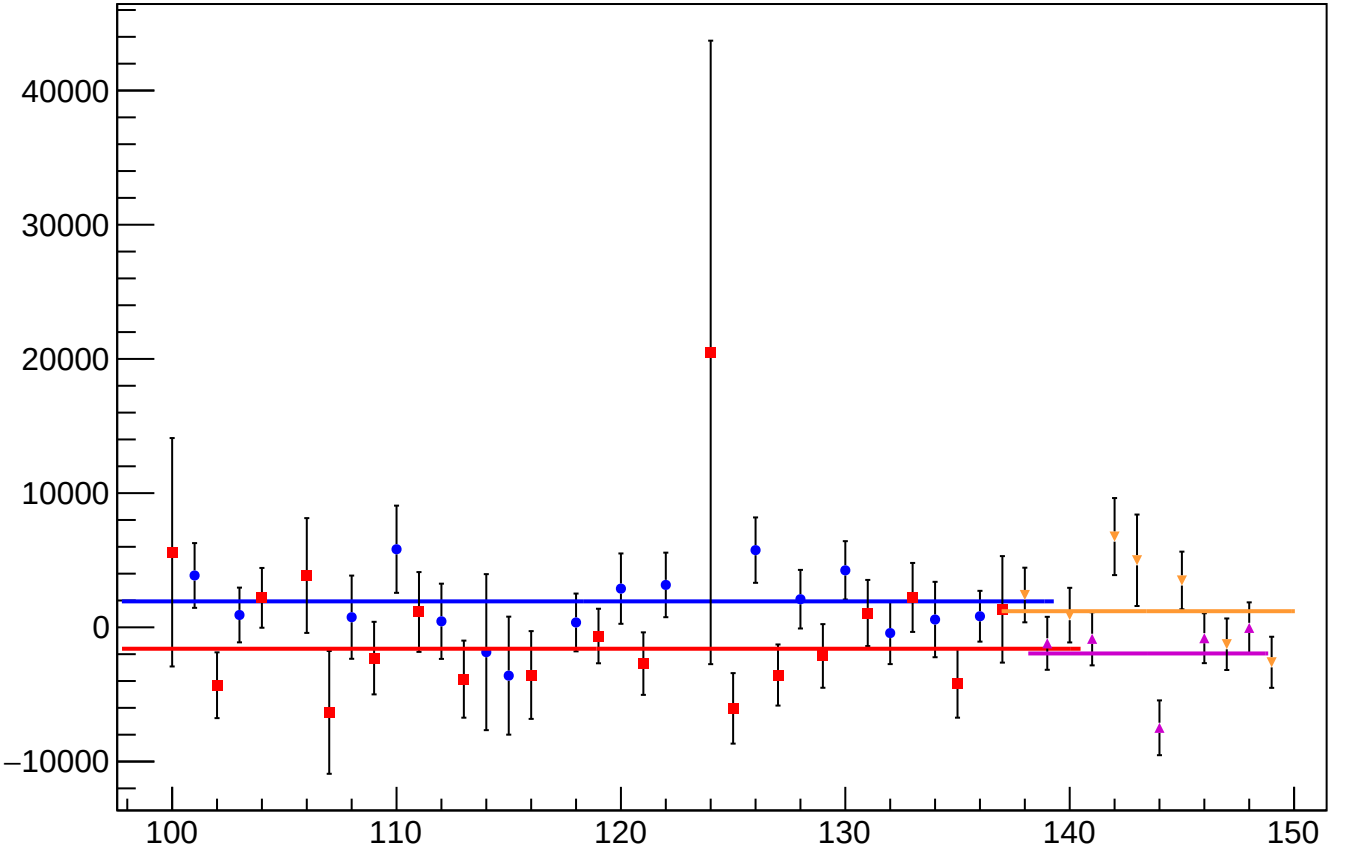
Left In: 4699.439+/-1.607 χ^2/NDF:127901.4/4

+ sign 943.251+/-0.295 χ^2/NDF: 14712791.2/22

All: 883.162+/-0.209 χ^2/NDF: 29581738.2/46

- 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: 1202.408+/-829.256 χ^2/NDF:12.1/6

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

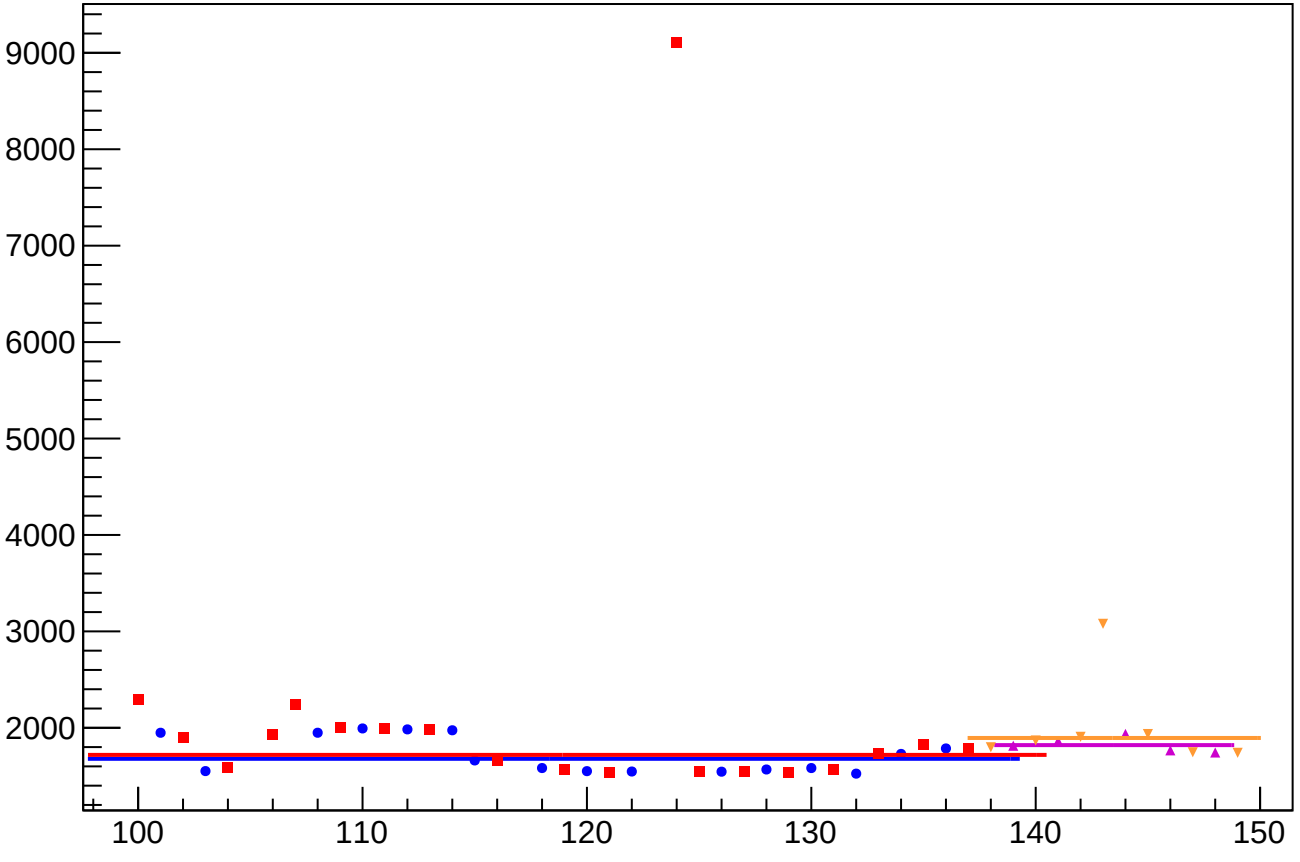
Left In: -1946.621+/-871.216 χ^2/NDF:9.2/4

+ sign 1667.972+/-500.575 χ^2/NDF: 23.5/22

All: 28.886+/-359.607 χ^2/NDF: 74.4/46

- 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: 1894.636+/-0.586 χ^2/NDF:271981.0/6

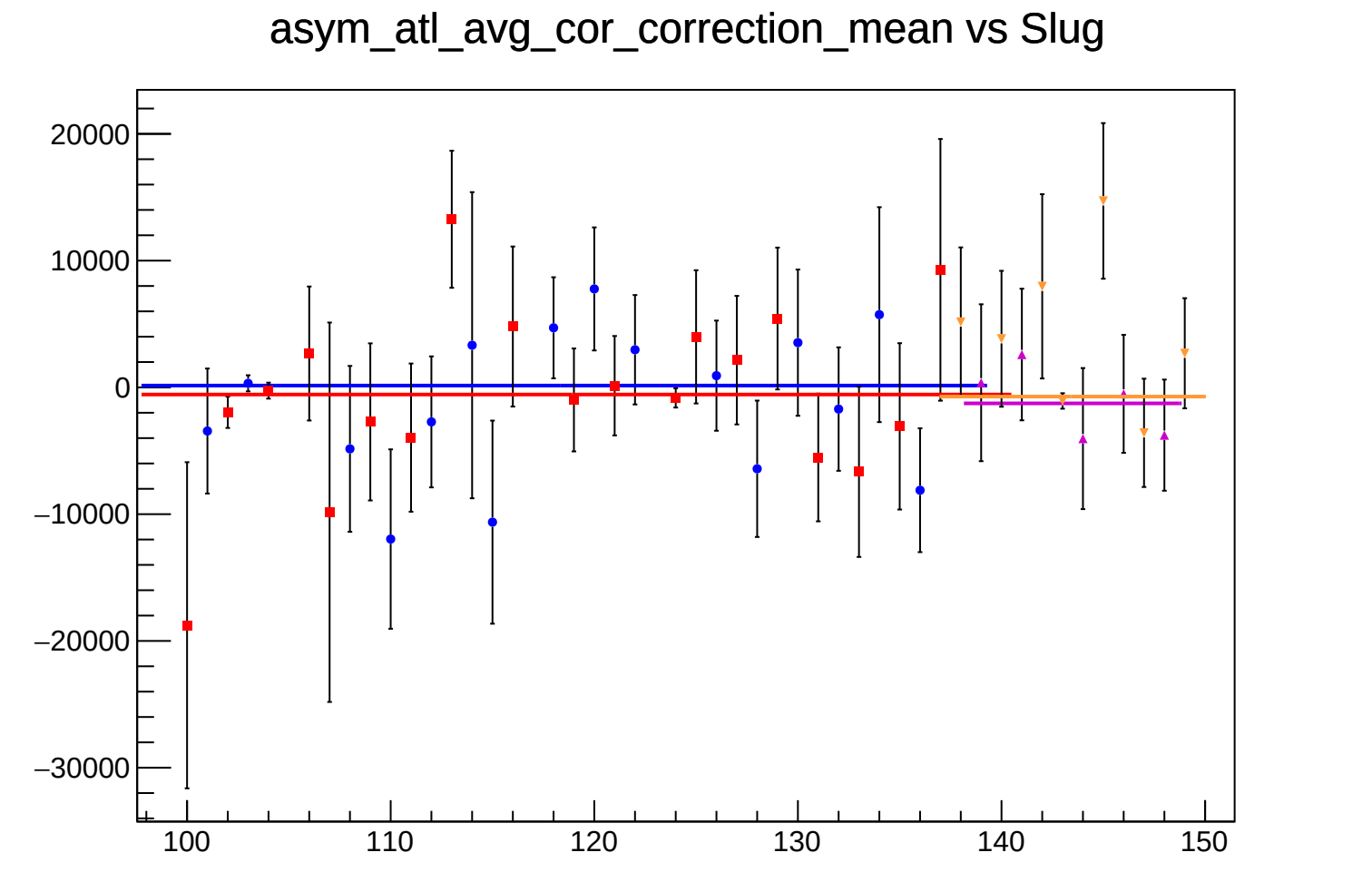
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1820.596+/-0.616 χ^2/NDF:12368.3/4

+ sign 1757.284+/-0.354 χ^2/NDF: 499786.9/22

All: 1756.014+/-0.254 χ^2/NDF: 914728.0/46

- 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: -723.893+/-587.110 χ^2/NDF:10.9/6

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

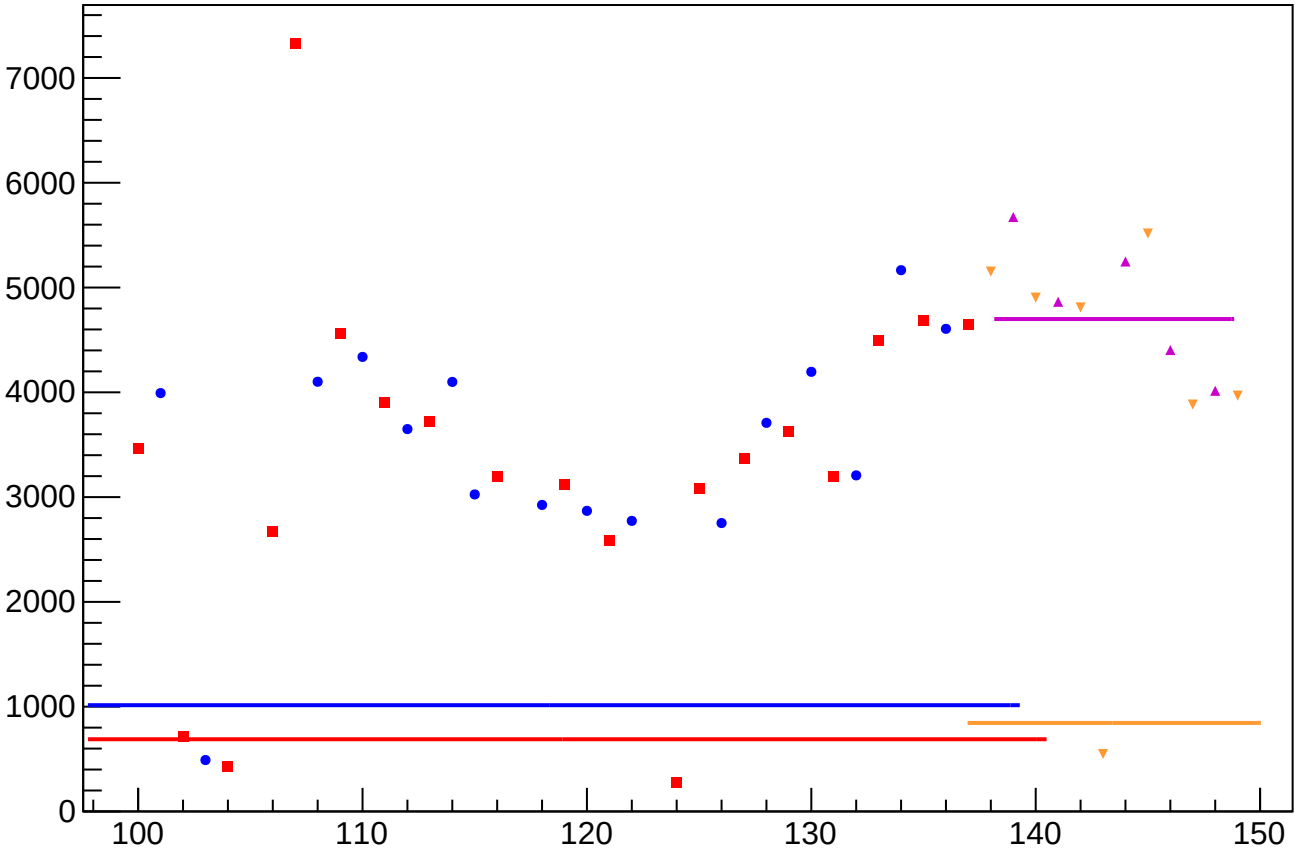
Left In: -1259.889+/-2271.979 χ^2/NDF:1.2/4

+ sign -282.887+/-412.381 χ^2/NDF: 27.8/22

All: -430.401+/-295.310 χ^2/NDF: 46.6/46

- 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: 844.847+/-0.415 χ^2/NDF:6487883.6/6

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

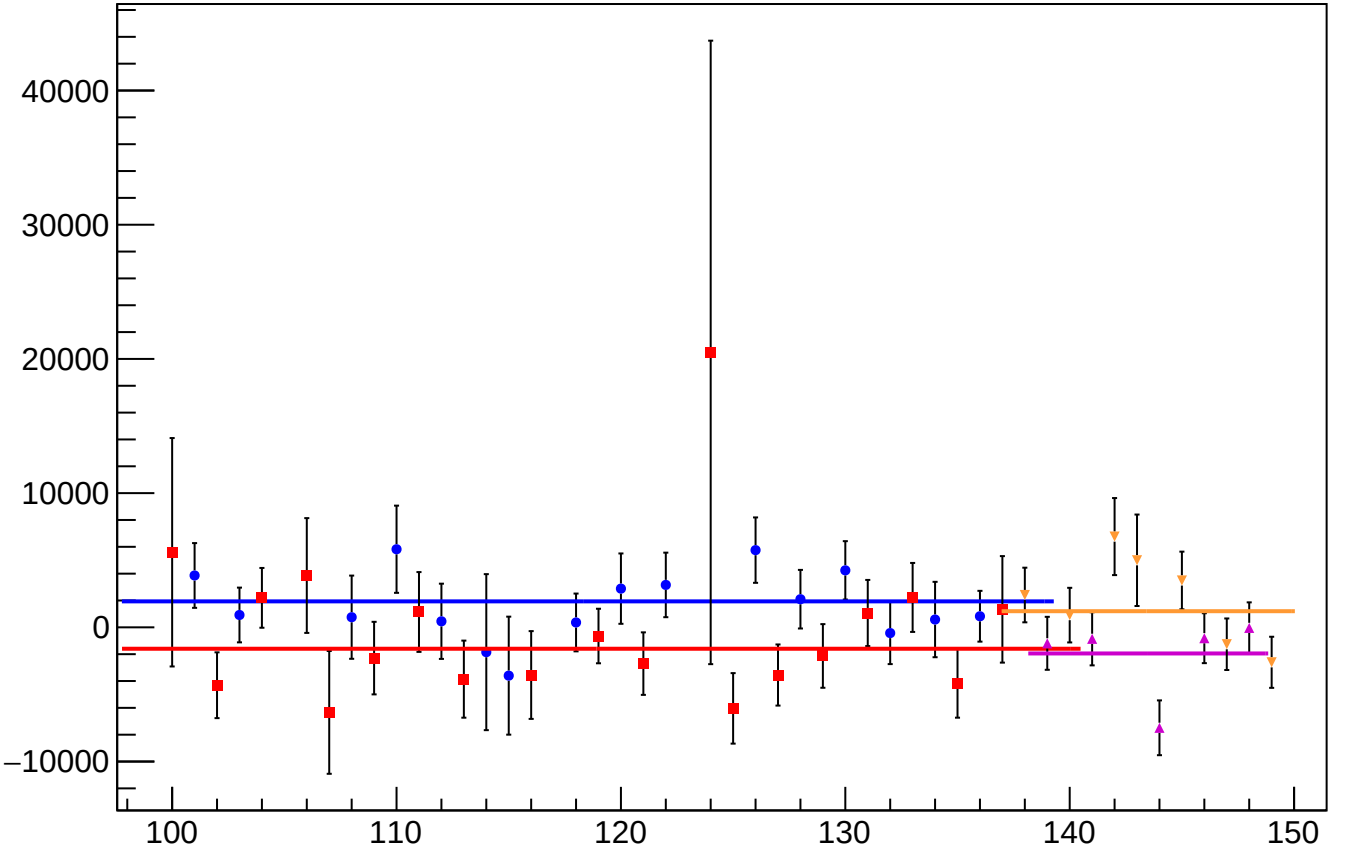
Left In: 4699.428+/-1.607 χ^2/NDF:127904.1/4

+ sign 930.596+/-0.292 χ^2/NDF: 14795106.4/22

All: 880.674+/-0.209 χ^2/NDF: 29908915.6/46

- 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: 1202.408+/-829.256 χ^2/NDF:12.1/6

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

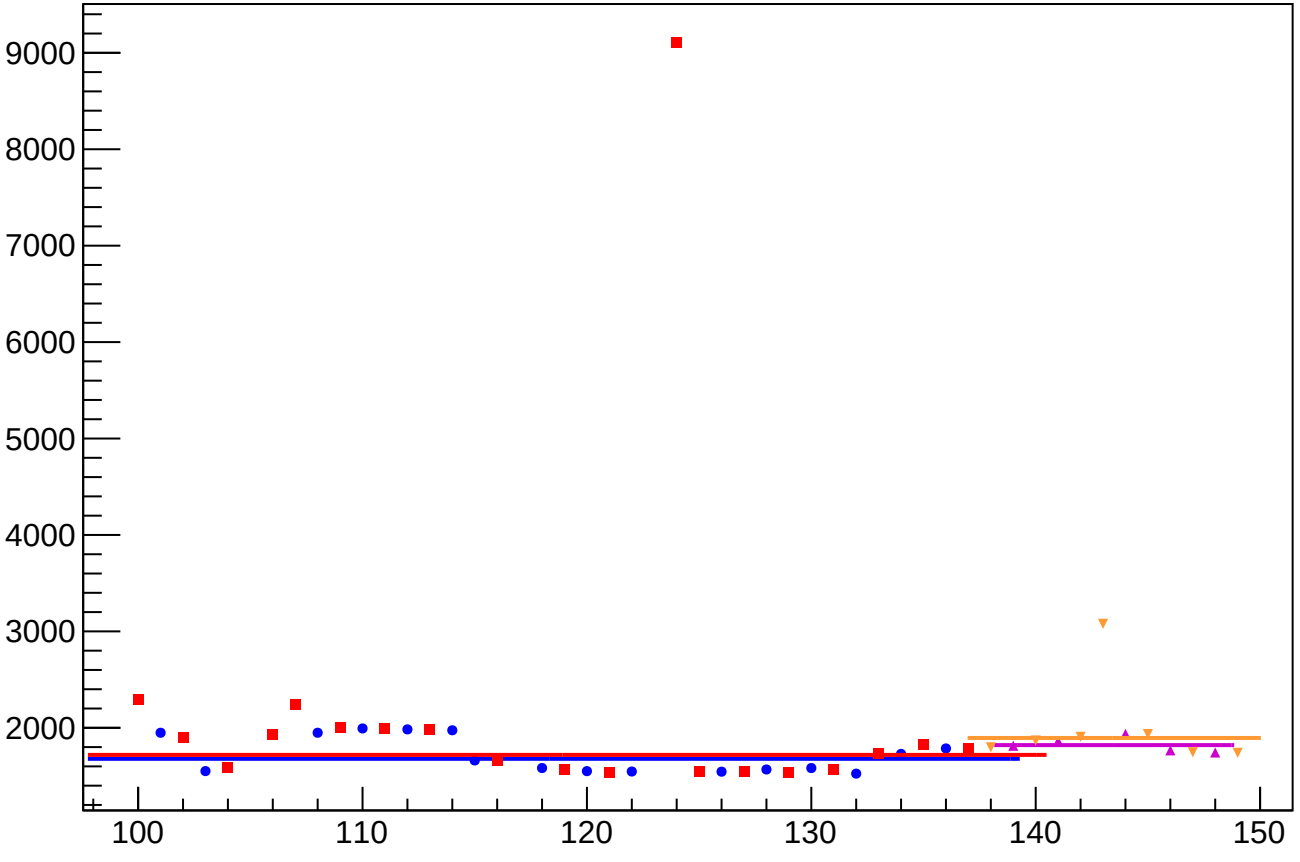
Left In: -1946.621+/-871.216 χ^2/NDF:9.2/4

+ sign 1667.972+/-500.575 χ^2/NDF: 23.5/22

All: 28.886+/-359.607 χ^2/NDF: 74.4/46

- 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: 1894.636+/-0.586 χ^2/NDF:271981.0/6

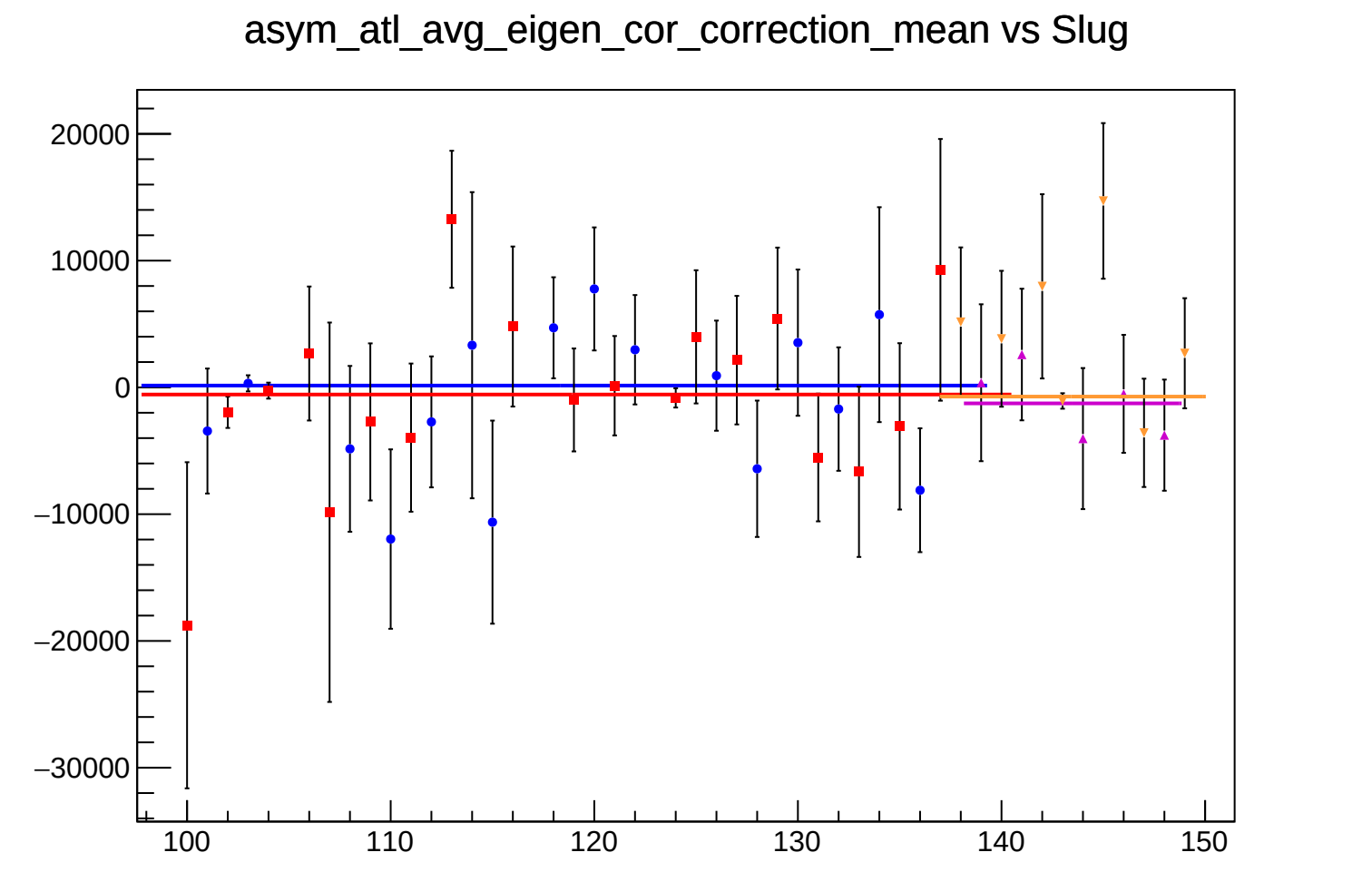
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1820.596+/-0.616 χ^2/NDF:12368.3/4

+ sign 1757.284+/-0.354 χ^2/NDF: 499786.9/22

All: 1756.014+/-0.254 χ^2/NDF: 914728.0/46

- 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: -723.893+/-587.110 χ^2/NDF:10.9/6

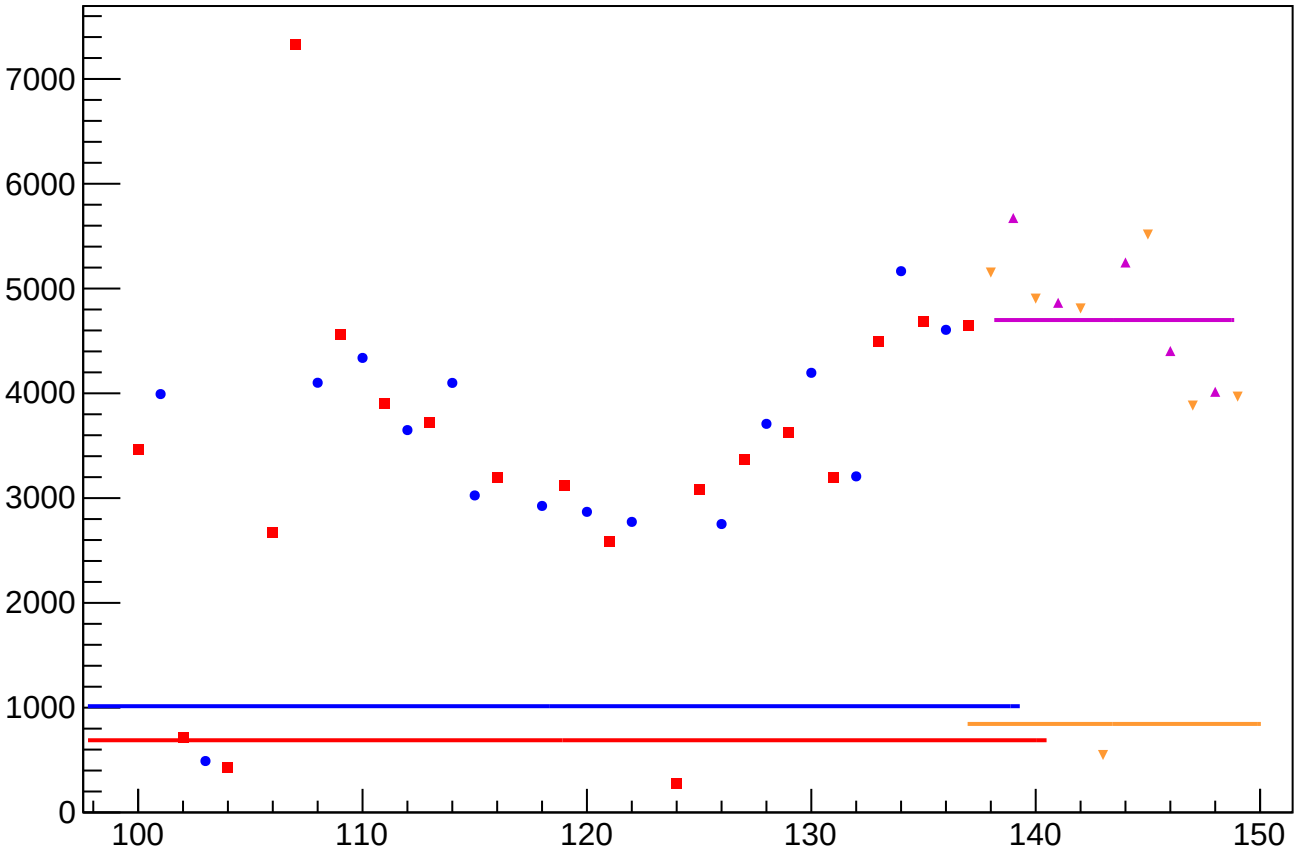
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1259.889+/-2271.979 χ^2/NDF:1.2/4

+ sign -282.887+/-412.381 χ^2/NDF: 27.8/22

All: -430.401+/-295.310 χ^2/NDF: 46.6/46

- sign -585.675+/-423.089 χ^2/NDF: 18.5/23



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 844.847+/-0.415 χ^2/NDF:6487883.6/6

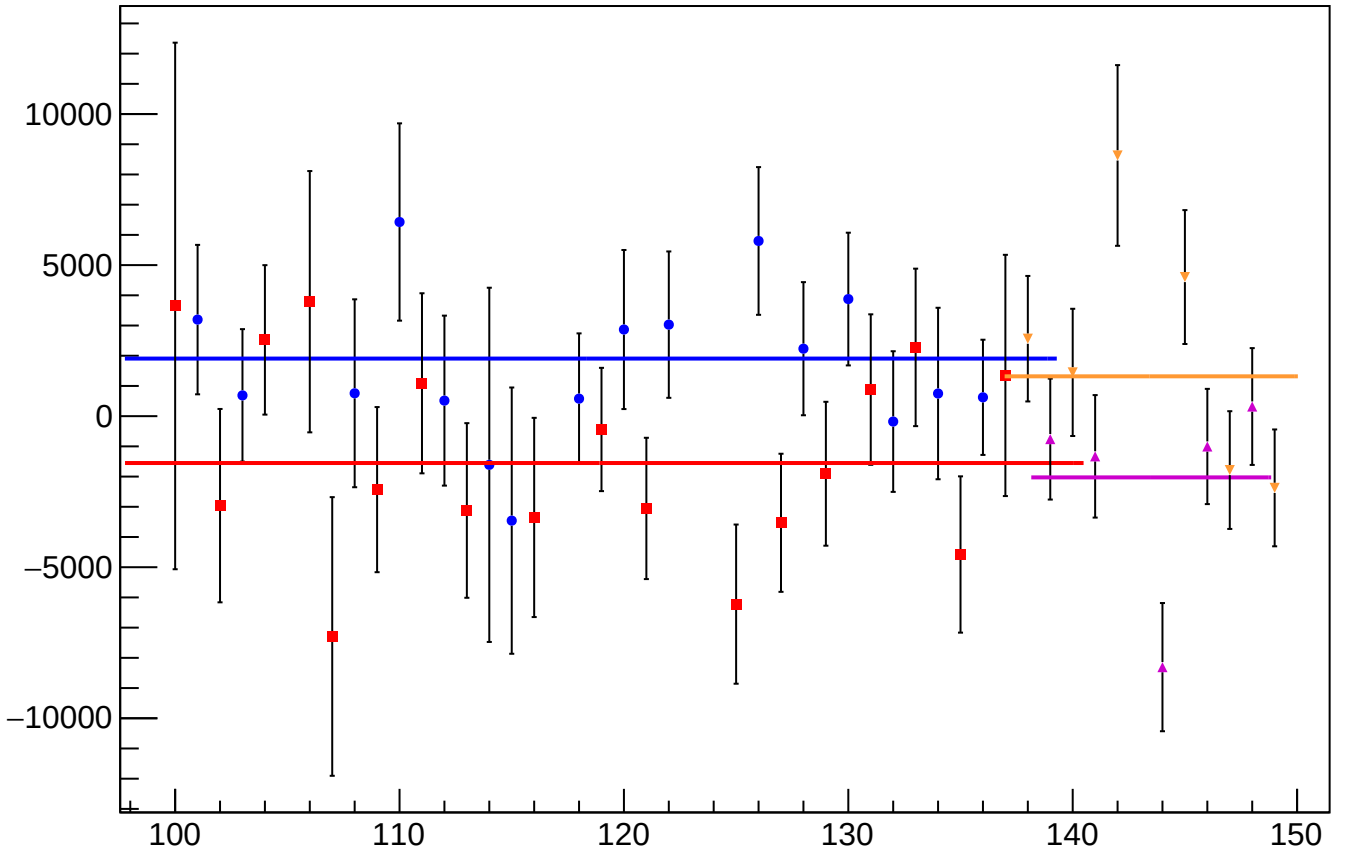
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4699.428+/-1.607 χ^2/NDF:127904.1/4

+ sign 930.596+/-0.292 χ^2/NDF: 14795106.4/22

All: 880.674+/-0.209 χ^2/NDF: 29908915.6/46

- 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: 1318.445+/-875.886 χ^2/NDF:14.7/5

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

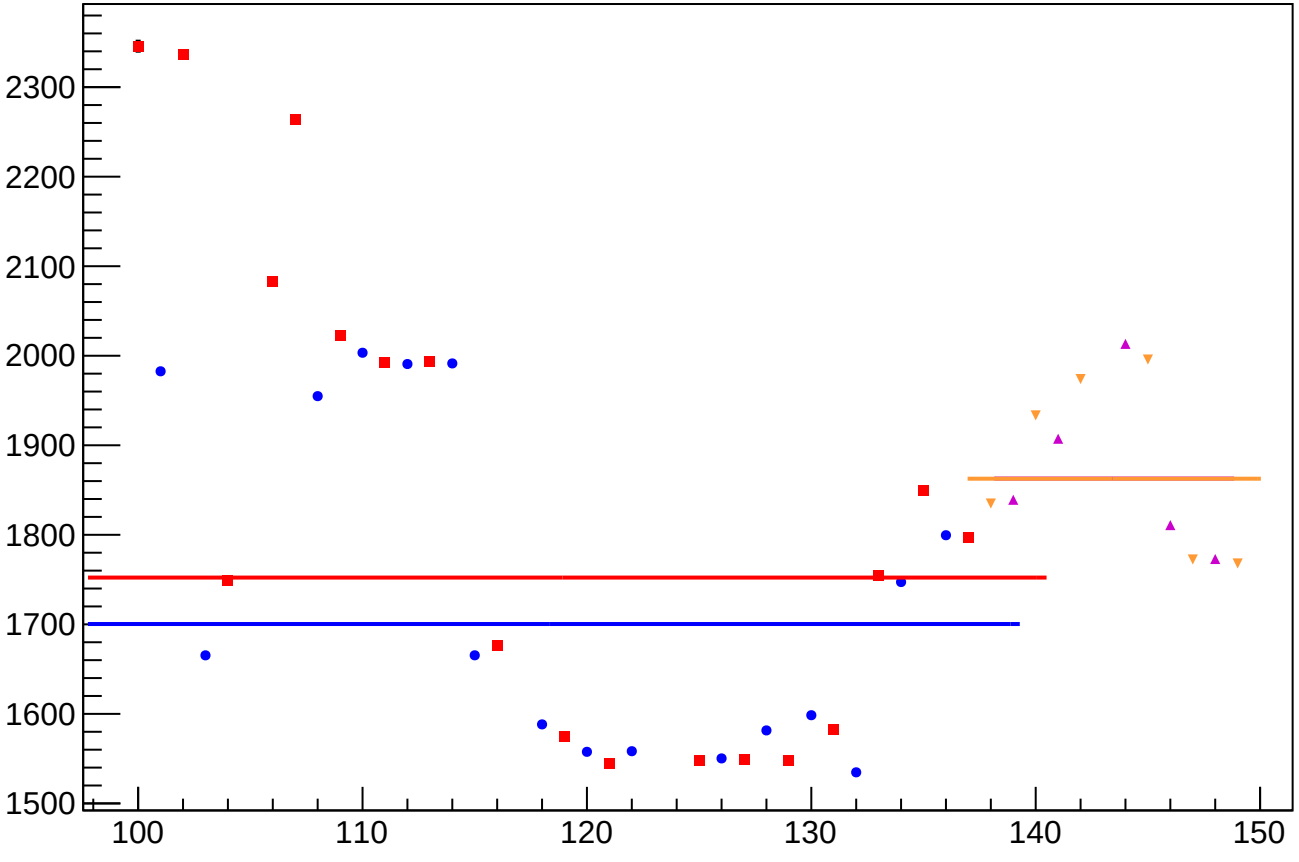
Left In: -2026.811+/-891.765 χ^2/NDF:11.0/4

+ sign 1703.112+/-514.867 χ^2/NDF: 25.2/21

All: 44.656+/-369.657 χ^2/NDF: 75.3/44

- 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: 1862.670+/-0.619 χ^2/NDF:21675.3/5

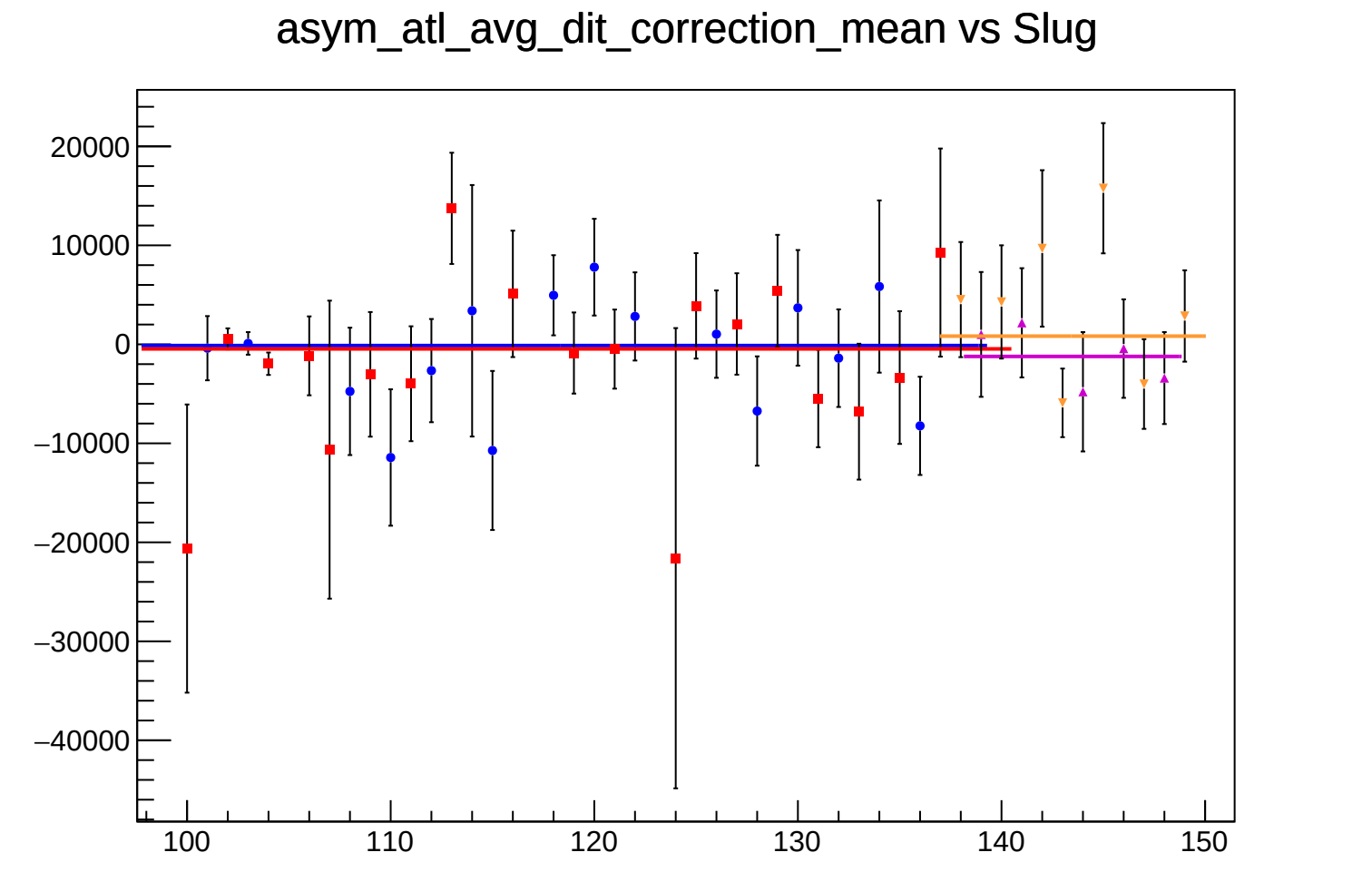
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1862.832+/-0.631 χ^2/NDF:17102.6/4

+ sign 1756.442+/-0.364 χ^2/NDF: 202044.4/21

All: 1773.378+/-0.261 χ^2/NDF: 491442.9/44

- 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: 829.416+/-1895.688 χ^2/NDF:12.3/6

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

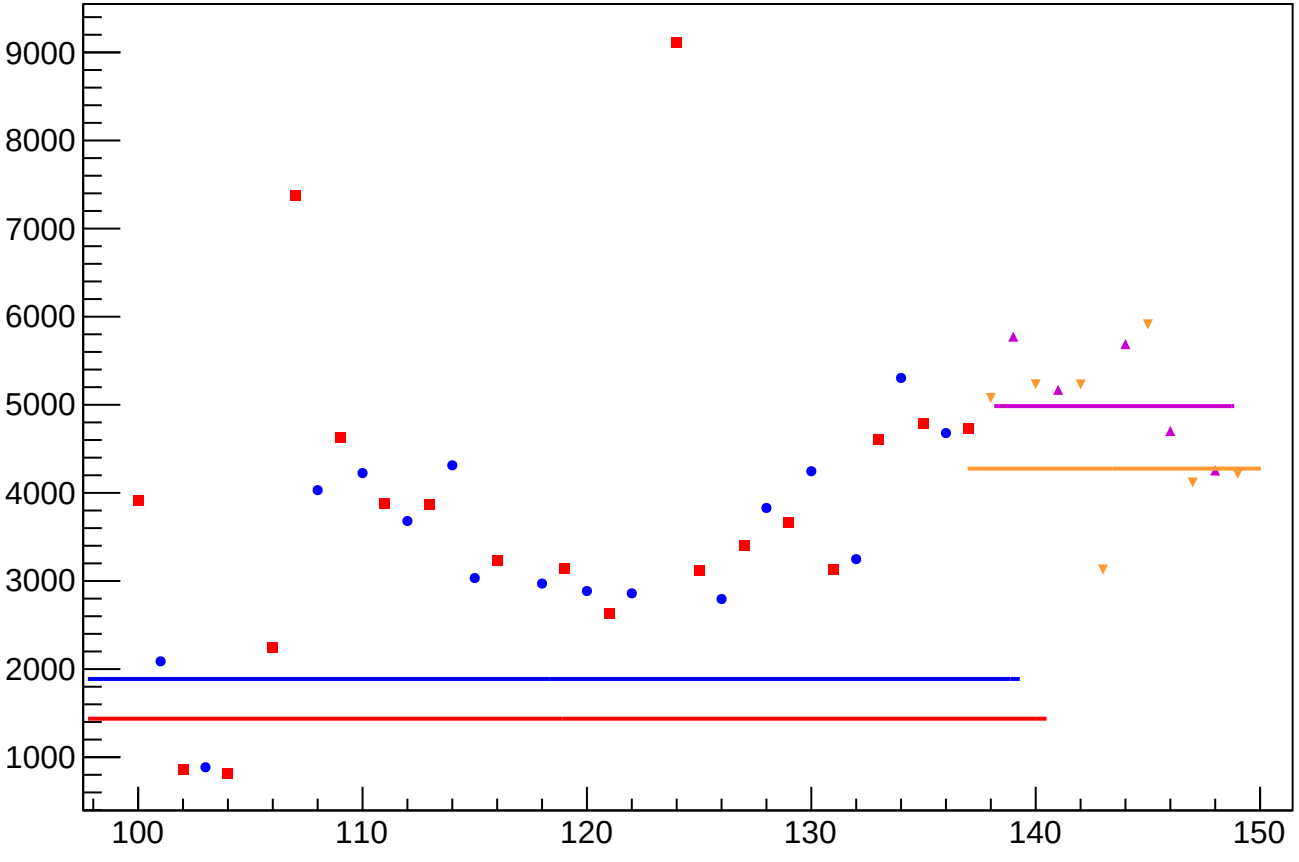
Left In: -1220.773+/-2409.255 χ^2/NDF:1.1/4

+ sign 39.919+/-788.937 χ^2/NDF: 27.6/22

All: -289.398+/-503.351 χ^2/NDF: 47.6/46

- 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: 4275.799+/-1.340 χ^2/NDF:468600.7/6

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

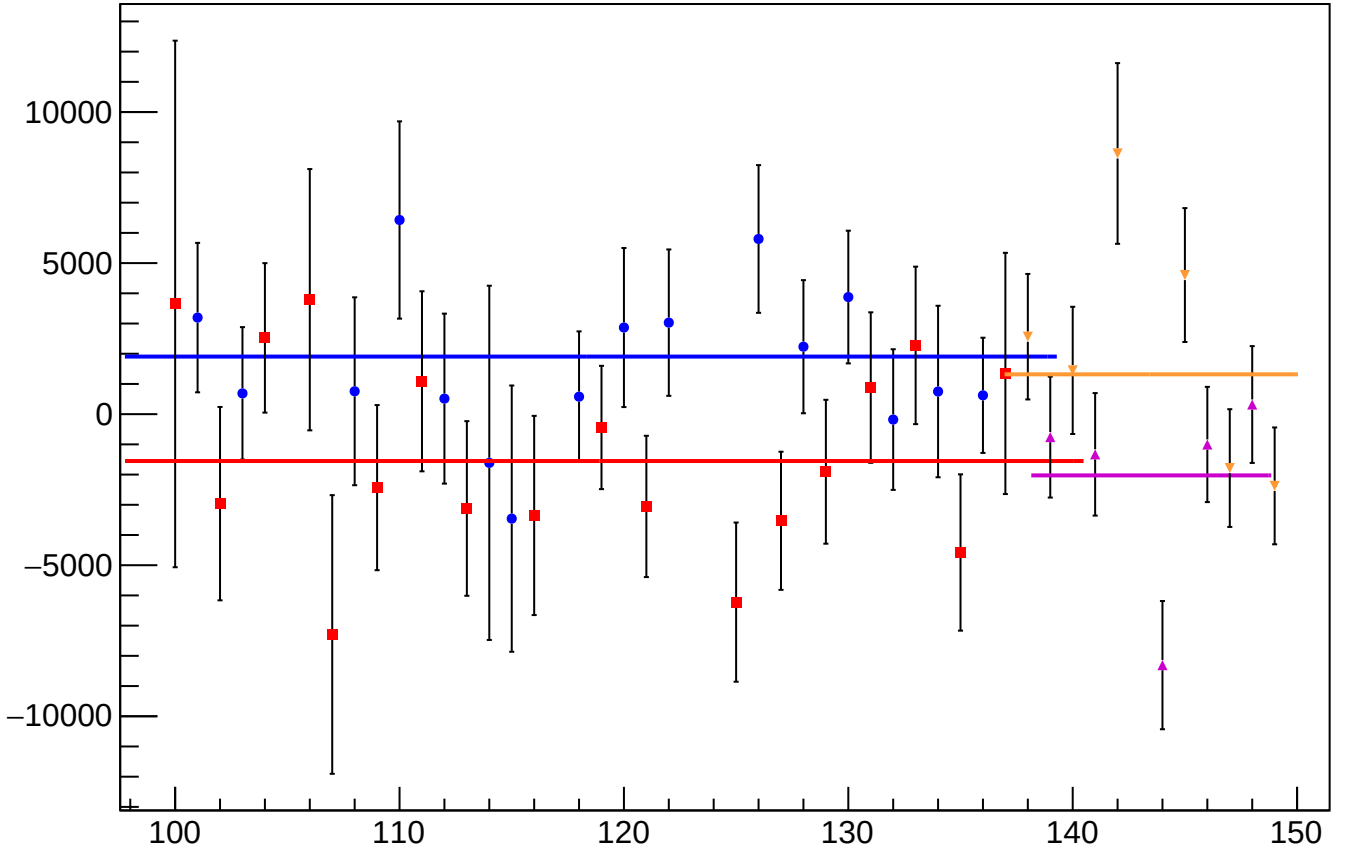
Left In: 4985.111+/-1.704 χ^2/NDF:116803.5/4

+ sign 2301.568+/-0.558 χ^2/NDF: 7517859.0/22

All: 1943.863+/-0.356 χ^2/NDF: 18310387.6/4

- 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: 1318.456+/-875.887 χ^2/NDF:14.7/5

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

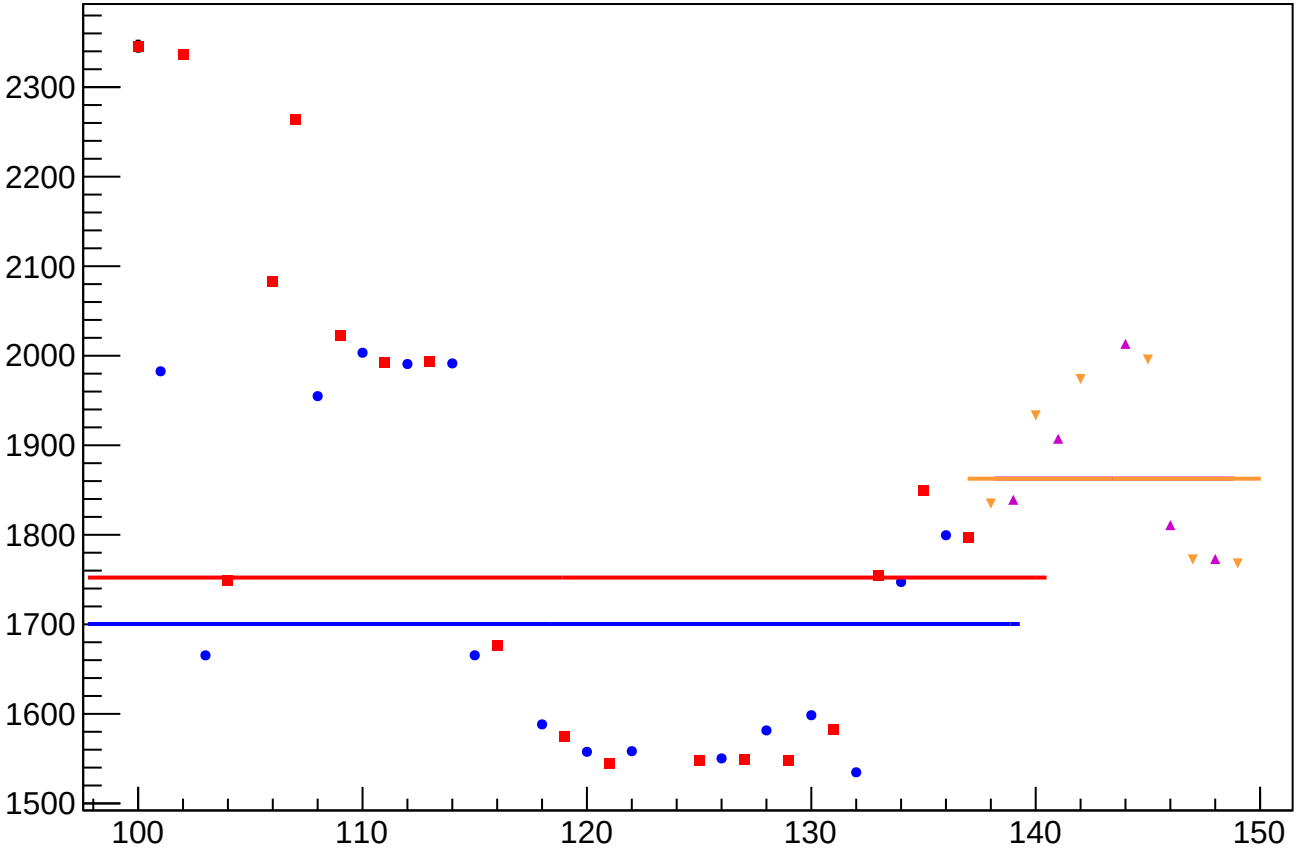
Left In: -2026.811+/-891.765 χ^2/NDF:11.0/4

+ sign 1703.115+/-514.867 χ^2/NDF: 25.2/21

All: 44.659+/-369.657 χ^2/NDF: 75.3/44

- 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: 1862.671+/-0.619 χ^2/NDF:21675.9/5

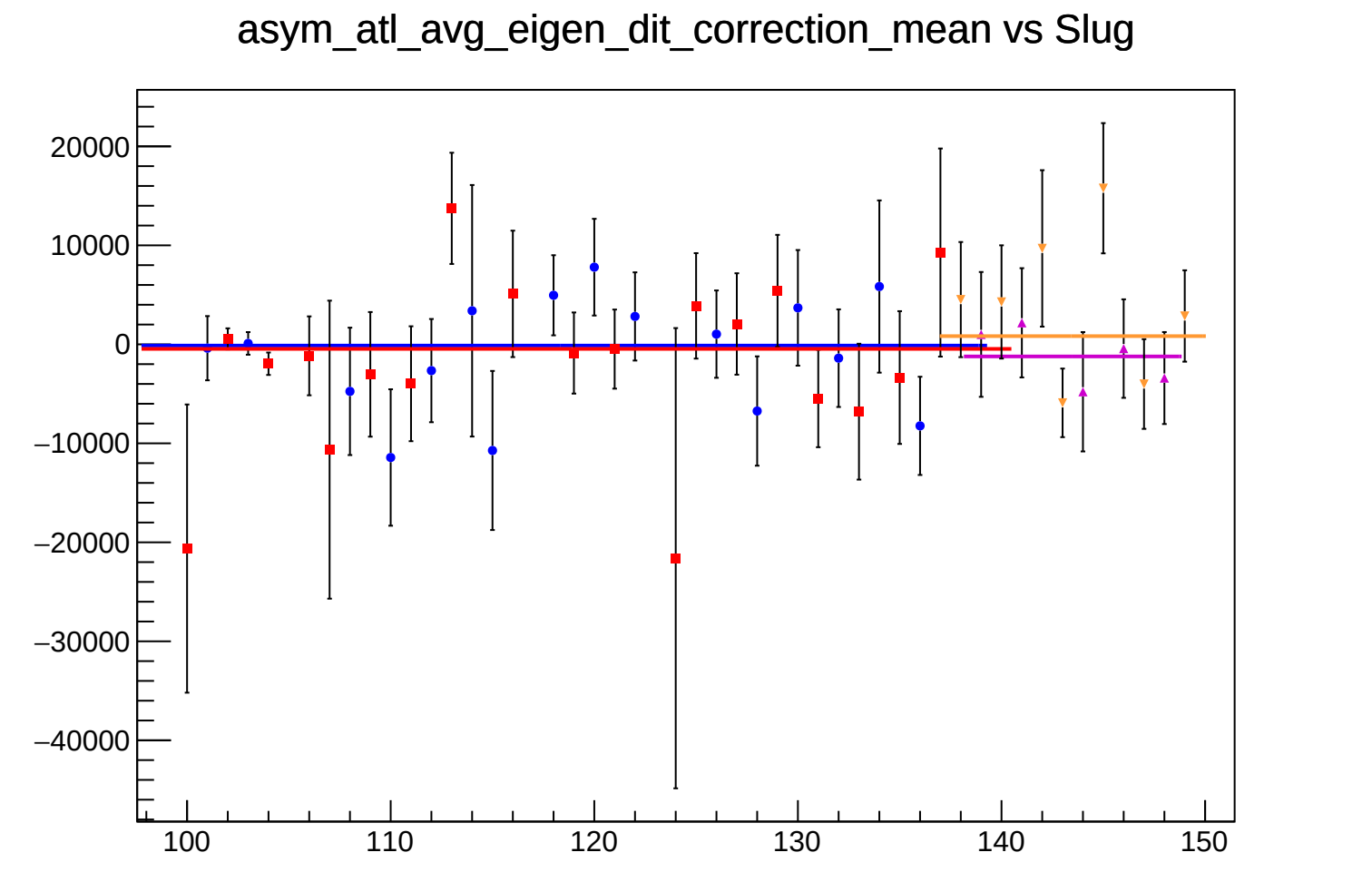
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1862.833+/-0.631 χ^2/NDF:17102.9/4

+ sign 1756.442+/-0.364 χ^2/NDF: 202045.7/21

All: 1773.379+/-0.261 χ^2/NDF: 491444.6/44

- 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: 829.411+/-1895.690 χ^2/NDF:12.3/6

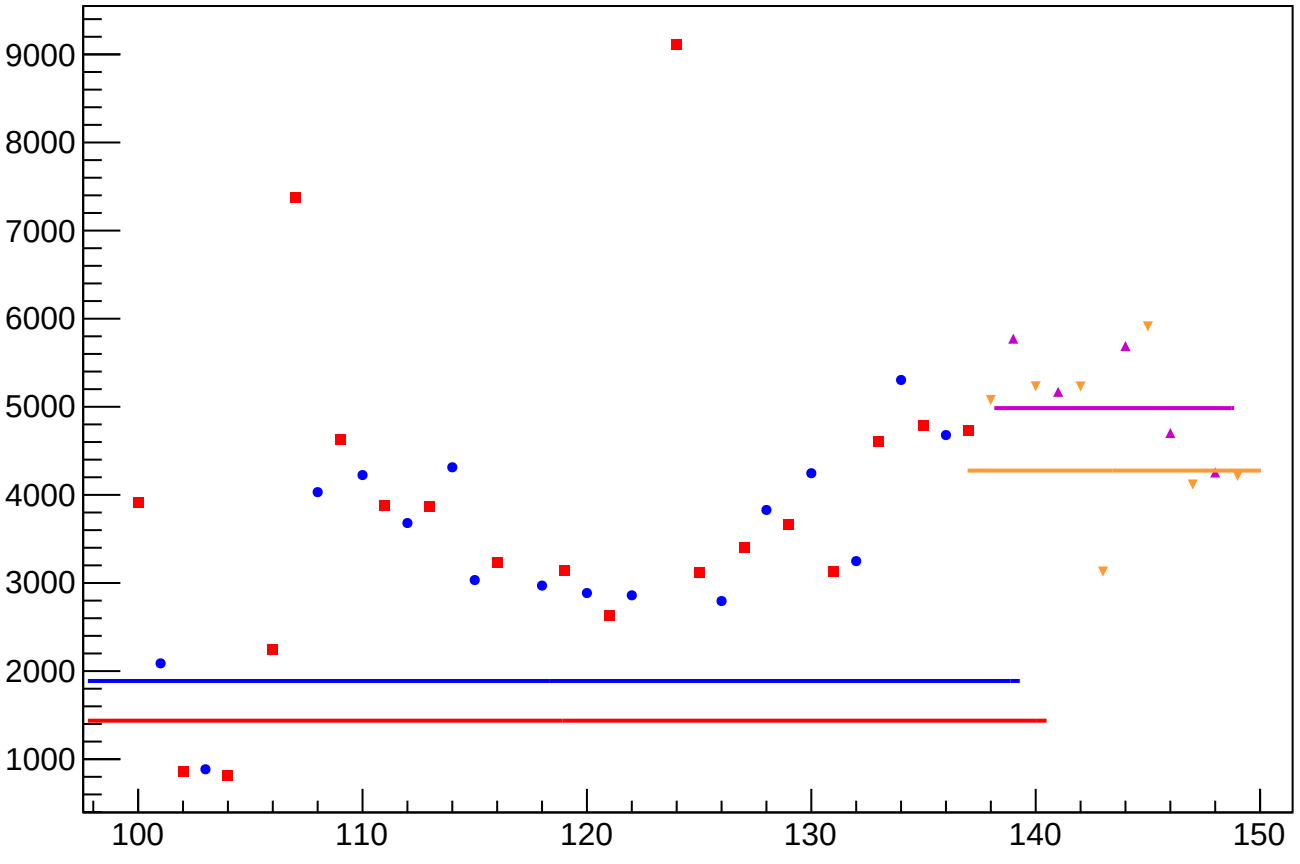
Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: -1220.773+/-2409.259 χ^2/NDF:1.1/4

+ sign 39.920+/-788.932 χ^2/NDF: 27.6/22

All: -289.397+/-503.348 χ^2/NDF: 47.6/46

- sign -515.475+/-653.676 χ^2/NDF: 19.7/23



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4275.802+/-1.340 χ^2/NDF:468605.3/6

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

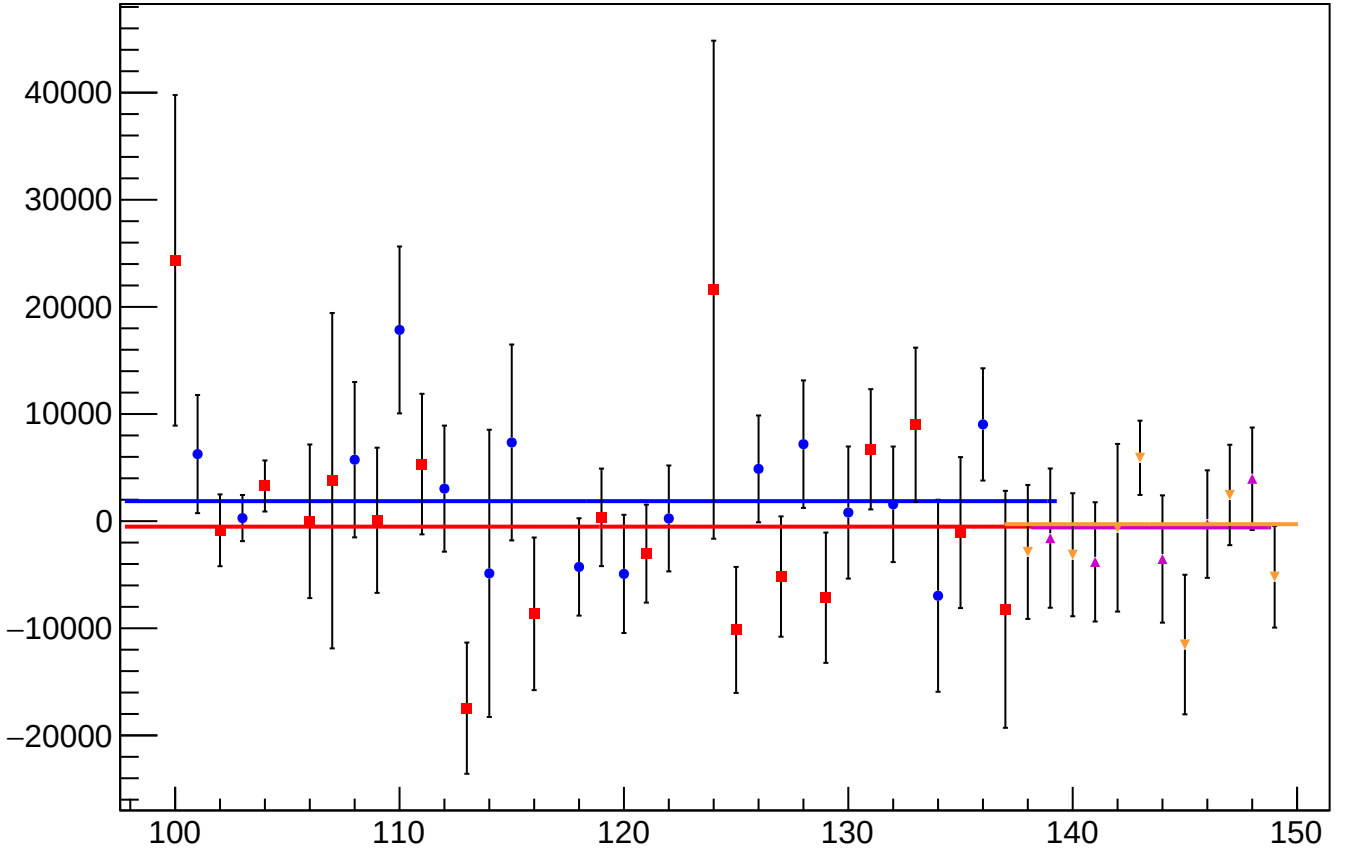
Left In: 4985.117+/-1.704 χ^2/NDF:116805.5/4

+ sign 2301.550+/-0.558 χ^2/NDF: 7517945.7/22

All: 1943.845+/-0.356 χ^2/NDF: 18310554.2/4

- 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: -284.199+/-1927.987 χ^2/NDF:8.0/6

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

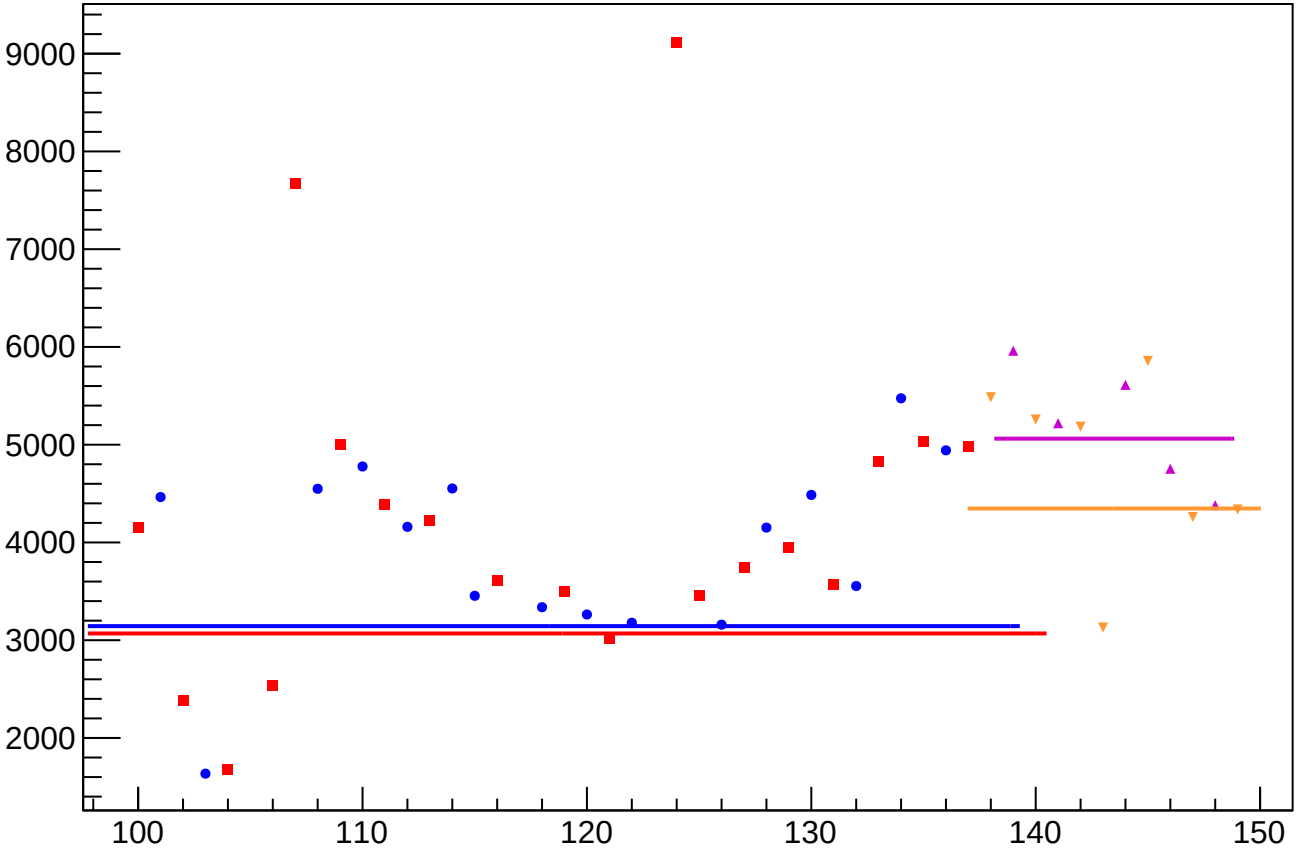
Left In: -585.441+/-2441.958 χ^2/NDF:1.5/4

+ sign 1223.504+/-1054.257 χ^2/NDF: 22.7/22

All: 390.466+/-763.338 χ^2/NDF: 50.2/46

- 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: 4347.443+/-1.363 χ^2/NDF:494490.9/6

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

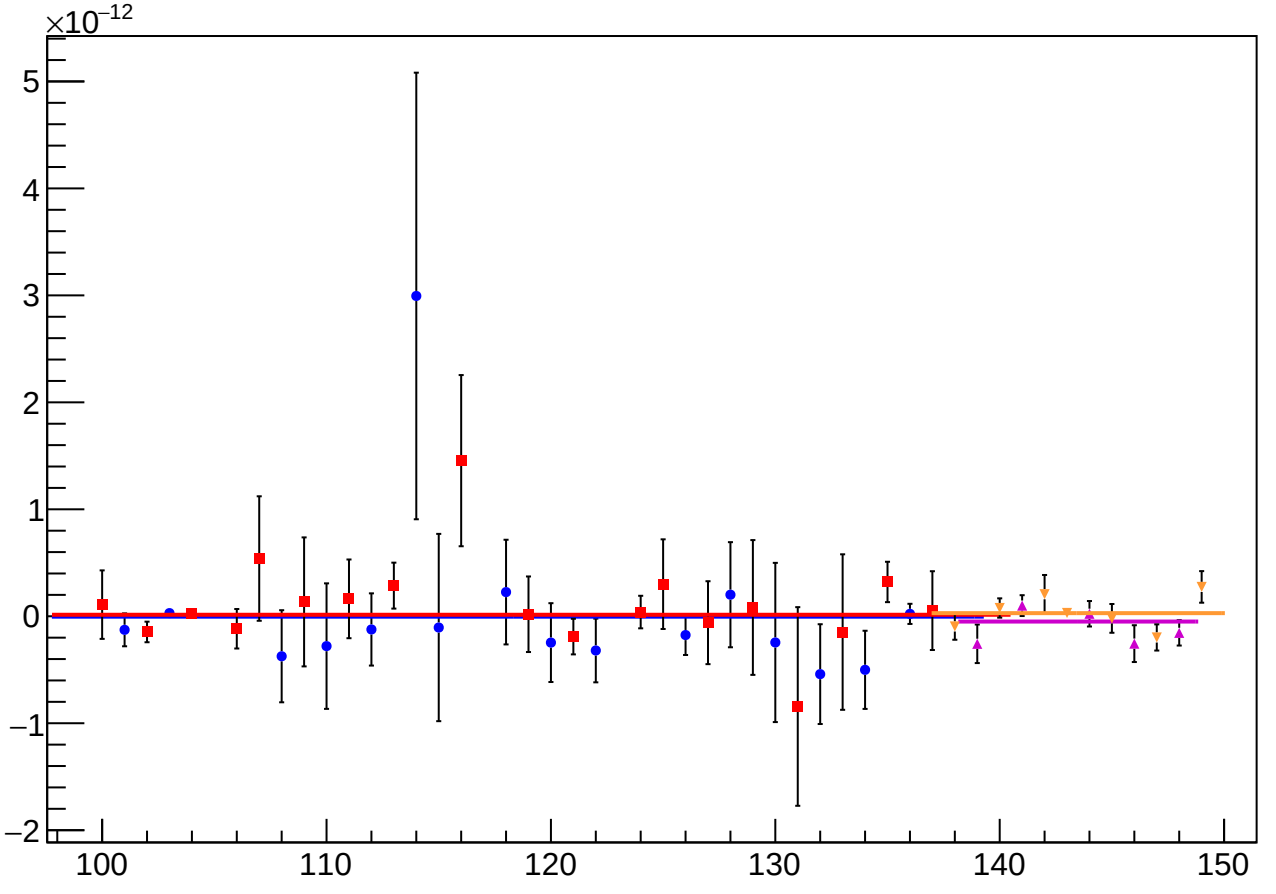
Left In: 5061.881+/-1.727 χ^2/NDF:105128.7/4

+ sign 3503.935+/-0.745 χ^2/NDF: 2923749.6/22

All: 3486.748+/-0.537 χ^2/NDF: 5976735.0/46

- 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:8.6/6

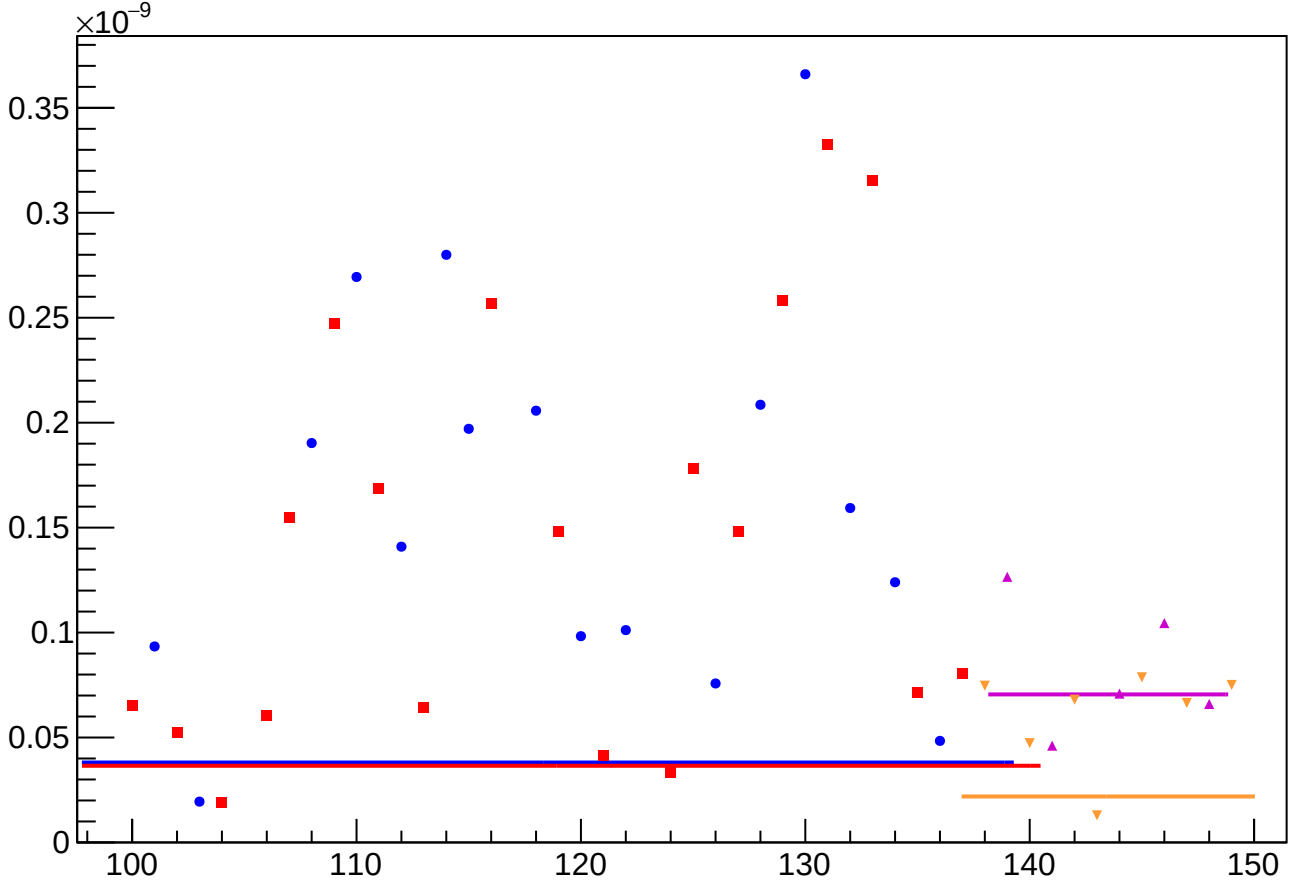
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 19.9/22

All: 0.000+/-0.000 χ^2/NDF: 42.5/46

- sign -0.000+/-0.000 χ^2/NDF: 22.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1827854.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

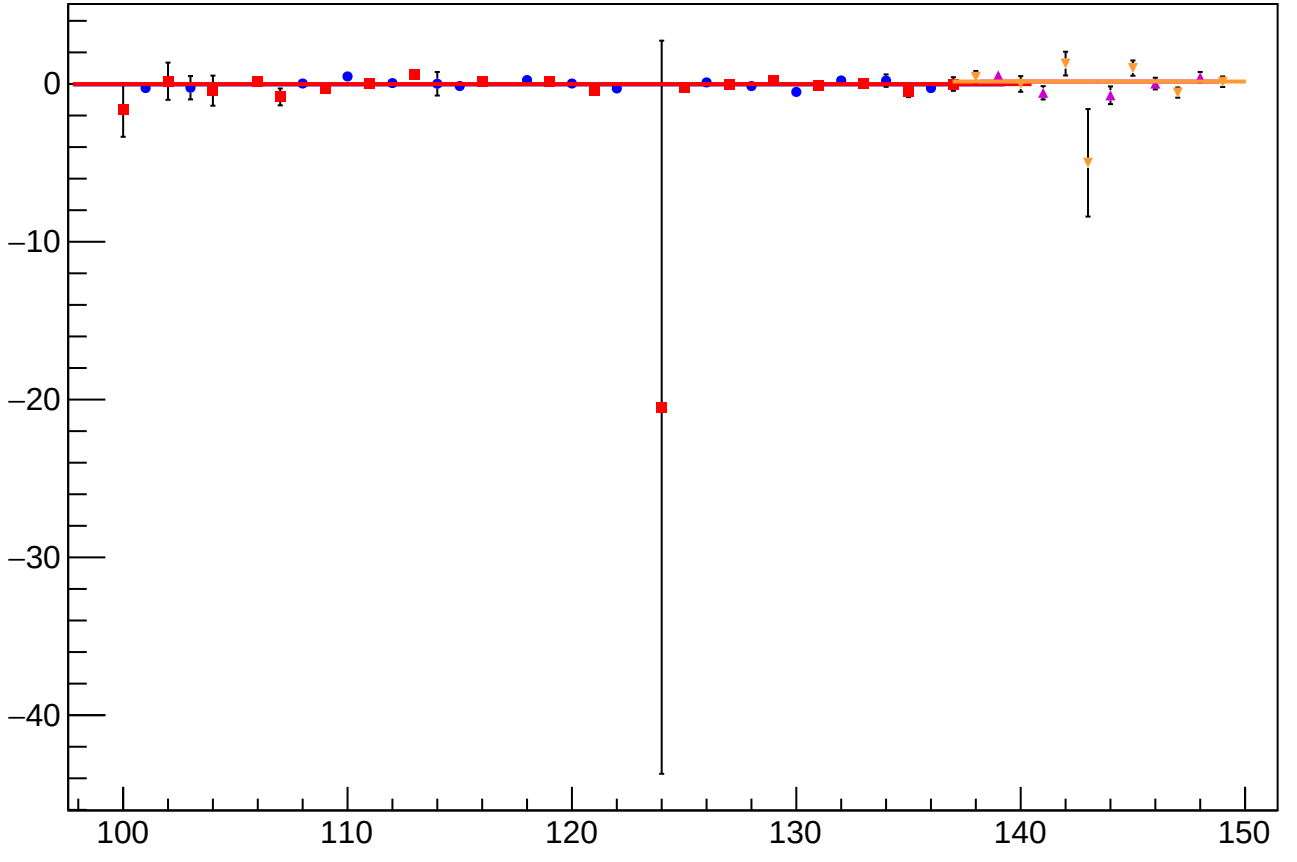
Left In: 0.000+/-0.000 χ^2/NDF:400259.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 5042549.5/22

All: 0.000+/-0.000 χ^2/NDF: 9281229.0/46

- sign 0.000+/-0.000 χ^2/NDF: 3625486.4/23

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.154+/-0.168 χ^2/NDF:13.0/6

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

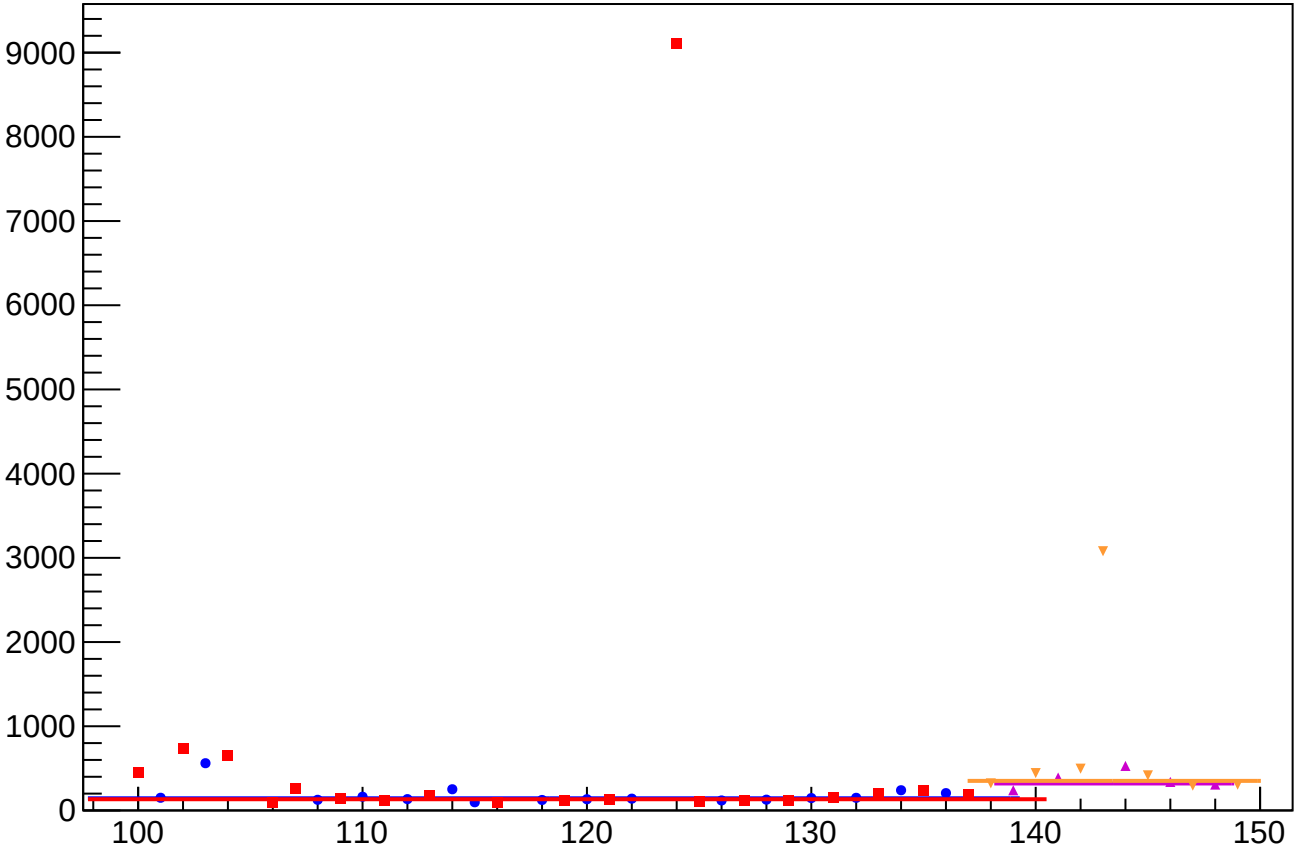
Left In: 0.151+/-0.162 χ^2/NDF:8.1/4

+ sign -0.009+/-0.055 χ^2/NDF: 31.3/22

All: -0.001+/-0.038 χ^2/NDF: 62.2/46

- 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: 351.258+/-0.118 χ^2/NDF:1570086.1/6

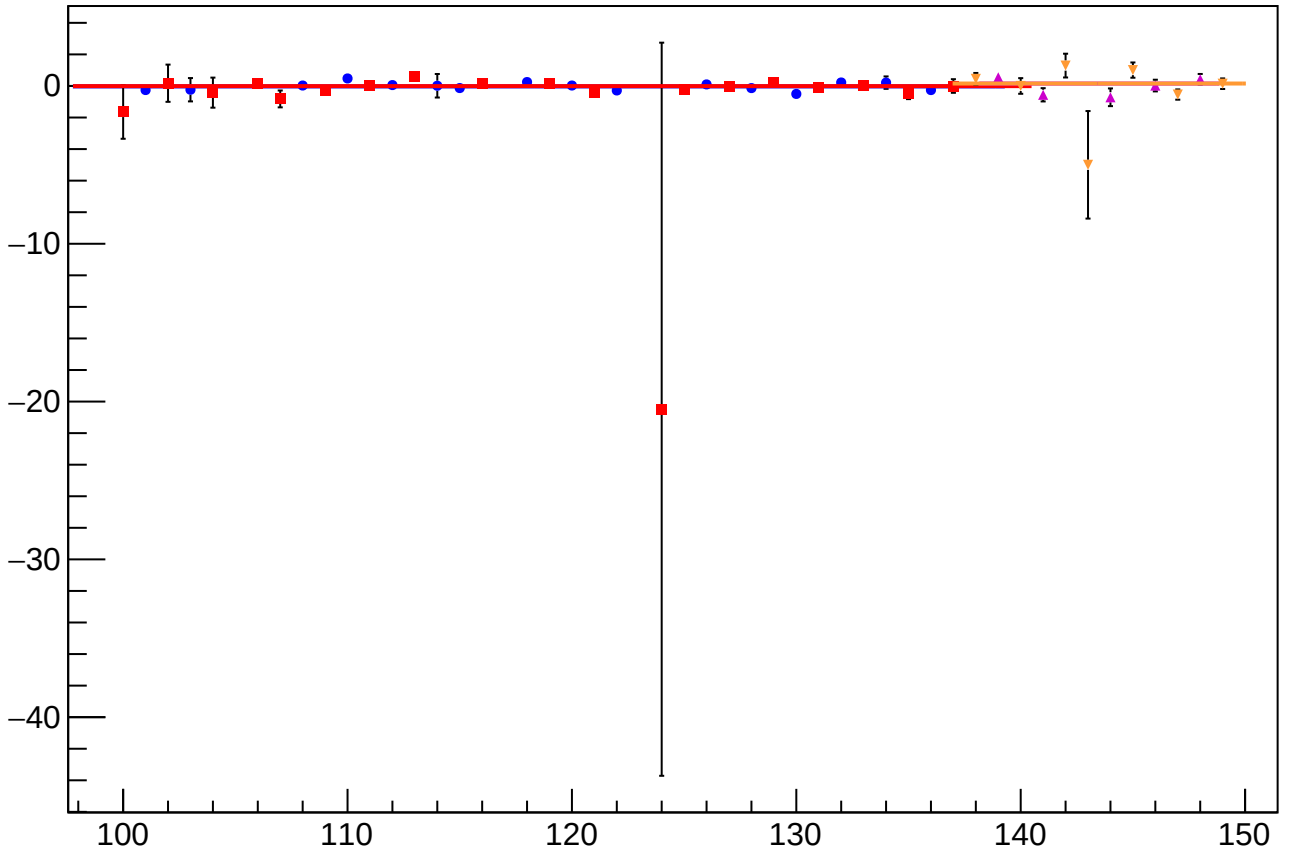
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 320.458+/-0.114 χ^2/NDF:515145.0/4

+ sign 166.324+/-0.039 χ^2/NDF: 5426286.6/22

All: 159.840+/-0.027 χ^2/NDF: 10609946.5/46

- 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: 0.154+/-0.168 χ^2/NDF:13.0/6

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

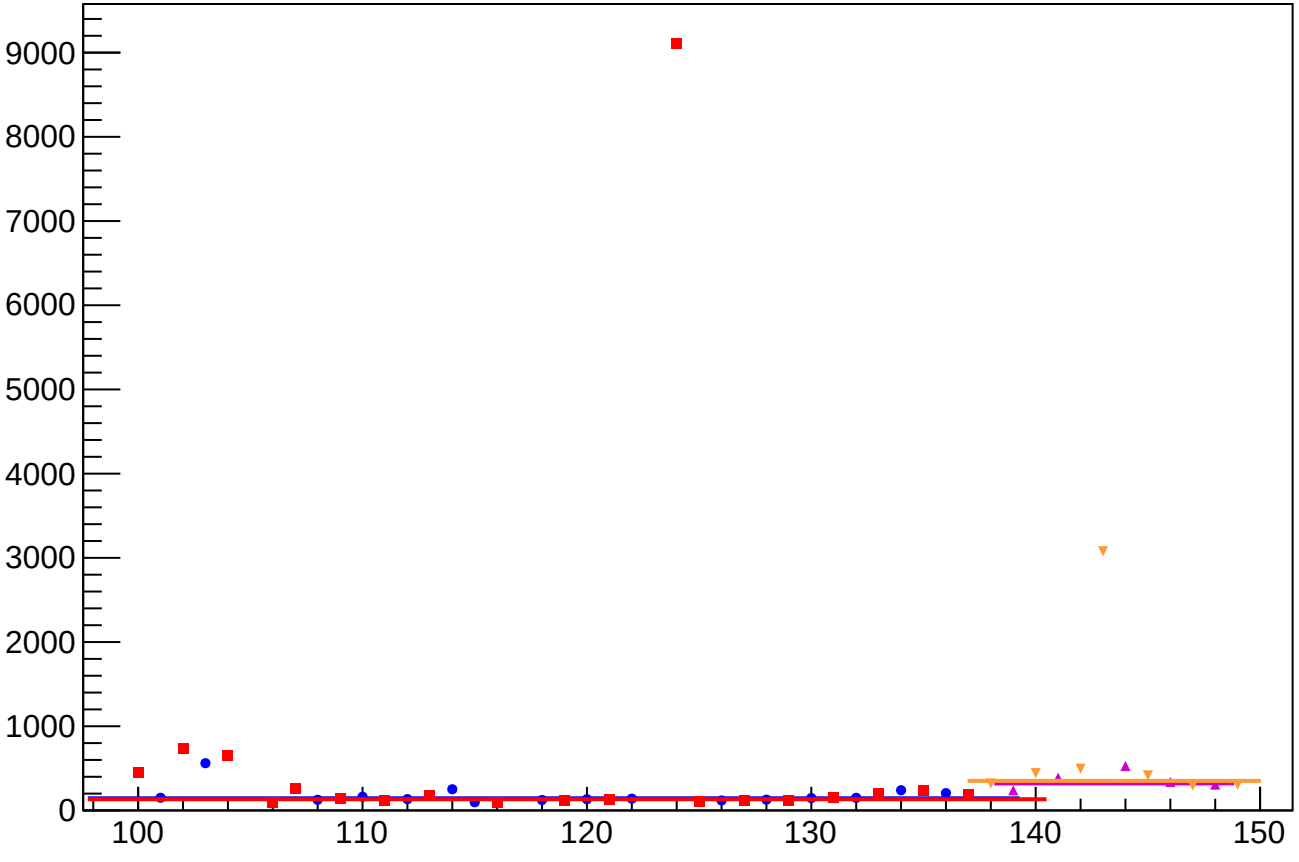
Left In: 0.151+/-0.162 χ^2/NDF:8.1/4

+ sign -0.009+/-0.055 χ^2/NDF: 31.3/22

All: -0.001+/-0.038 χ^2/NDF: 62.2/46

- 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: 351.258+/-0.118 χ^2/NDF:1570086.1/6

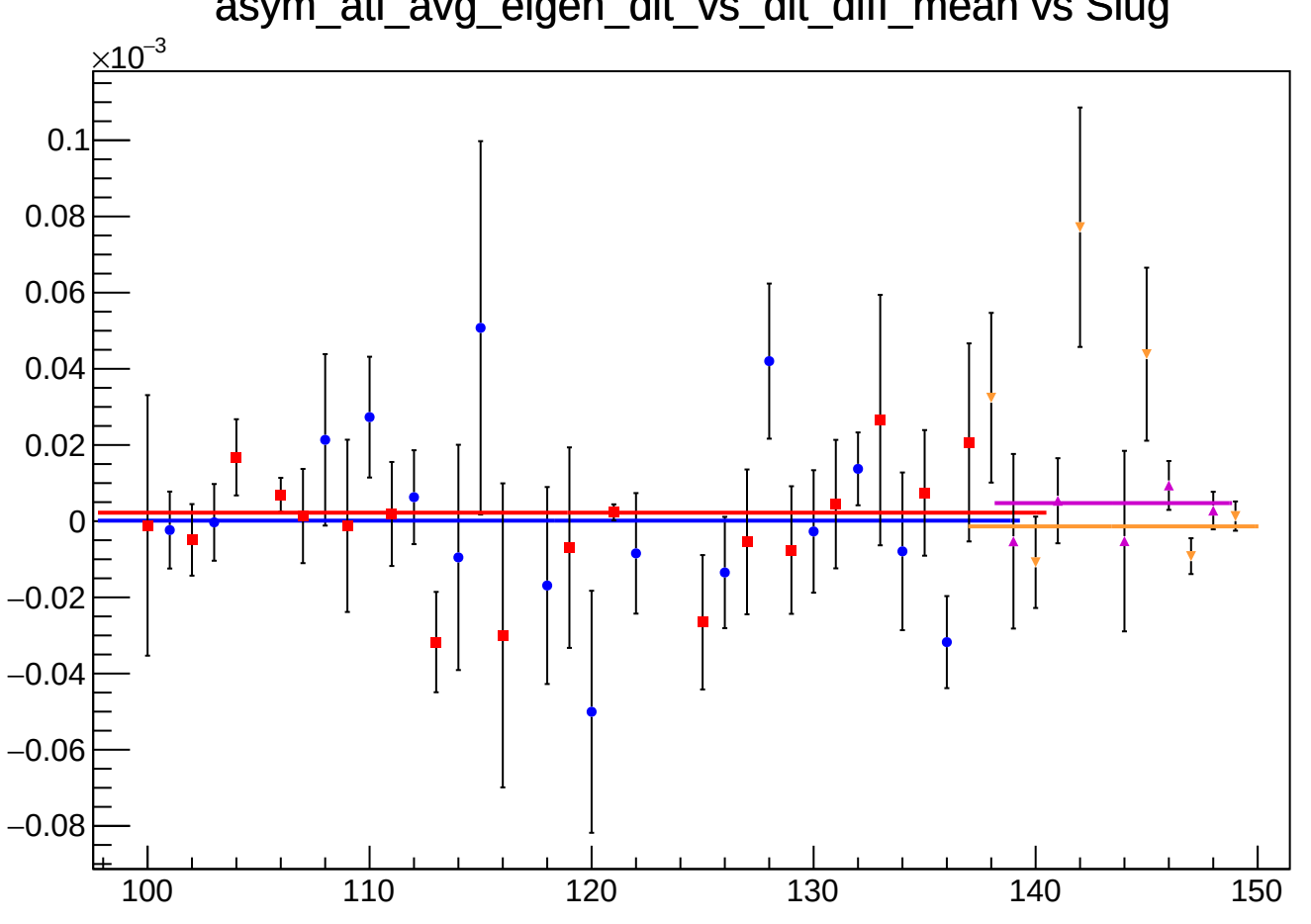
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 320.458+/-0.114 χ^2/NDF:515145.0/4

+ sign 166.324+/-0.039 χ^2/NDF: 5426286.6/22

All: 159.840+/-0.027 χ^2/NDF: 10609946.5/46

- sign 153.664+/-0.038 χ^2/NDF: 5128707.2/23



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

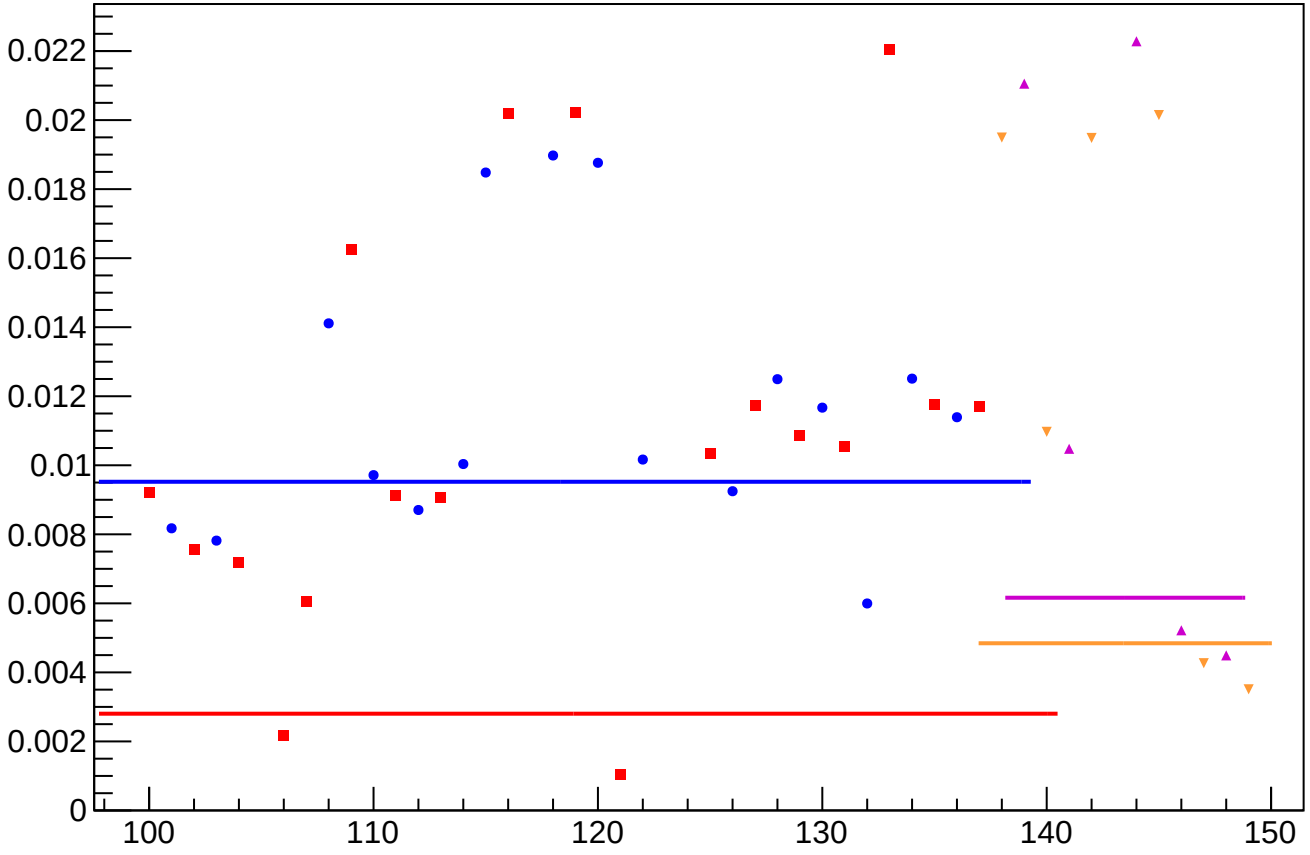
Left In: 0.000+/-0.000 χ^2/NDF:1.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 39.3/21

All: 0.000+/-0.000 χ^2/NDF: 58.0/44

- 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: 0.005+/-0.000 χ^2/NDF:2999884.7/5

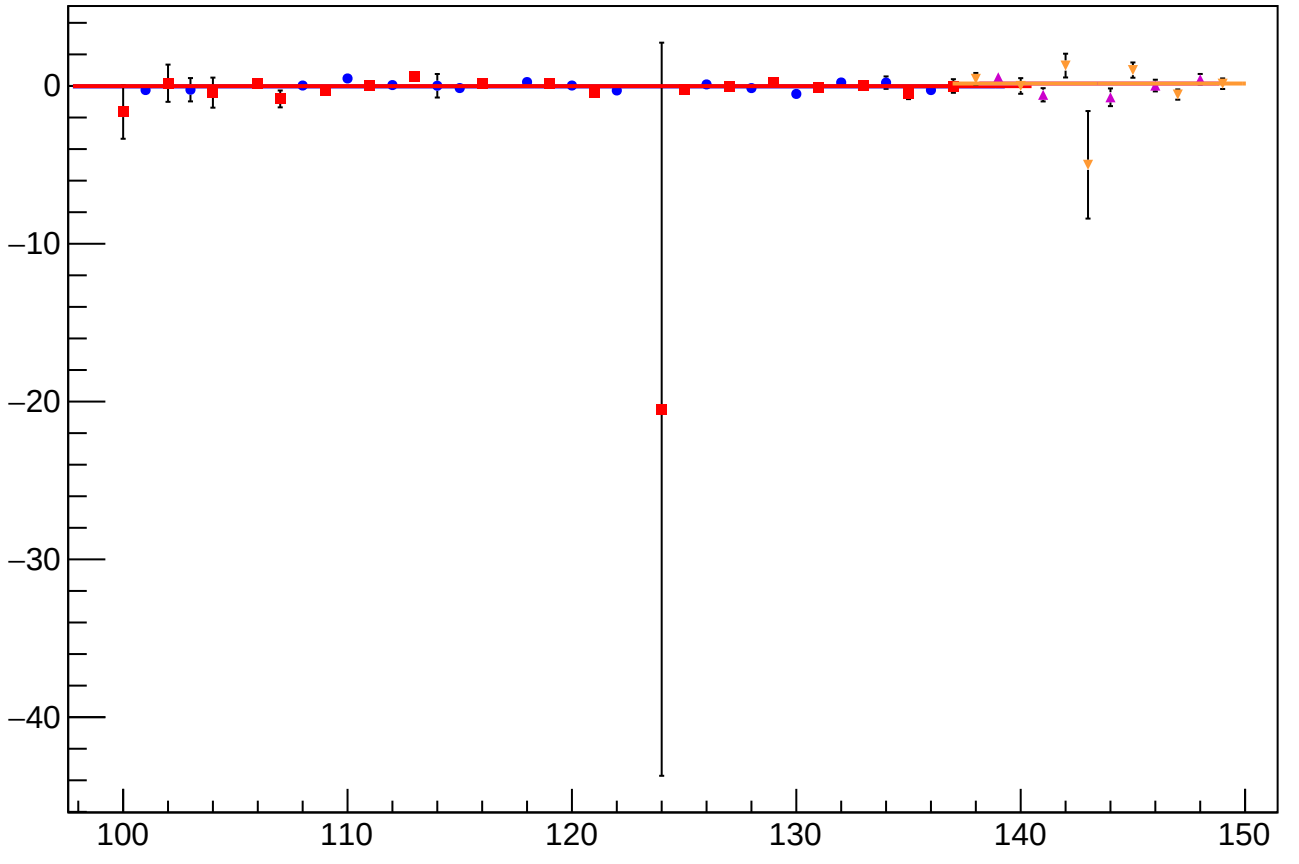
Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:2341605.8/4

+ sign 0.007+/-0.000 χ^2/NDF: 6120798.0/21

All: 0.004+/-0.000 χ^2/NDF: 21038079.4/44

- sign 0.003+/-0.000 χ^2/NDF: 12328491.7/22



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.154+/-0.168 χ^2/NDF:13.0/6

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

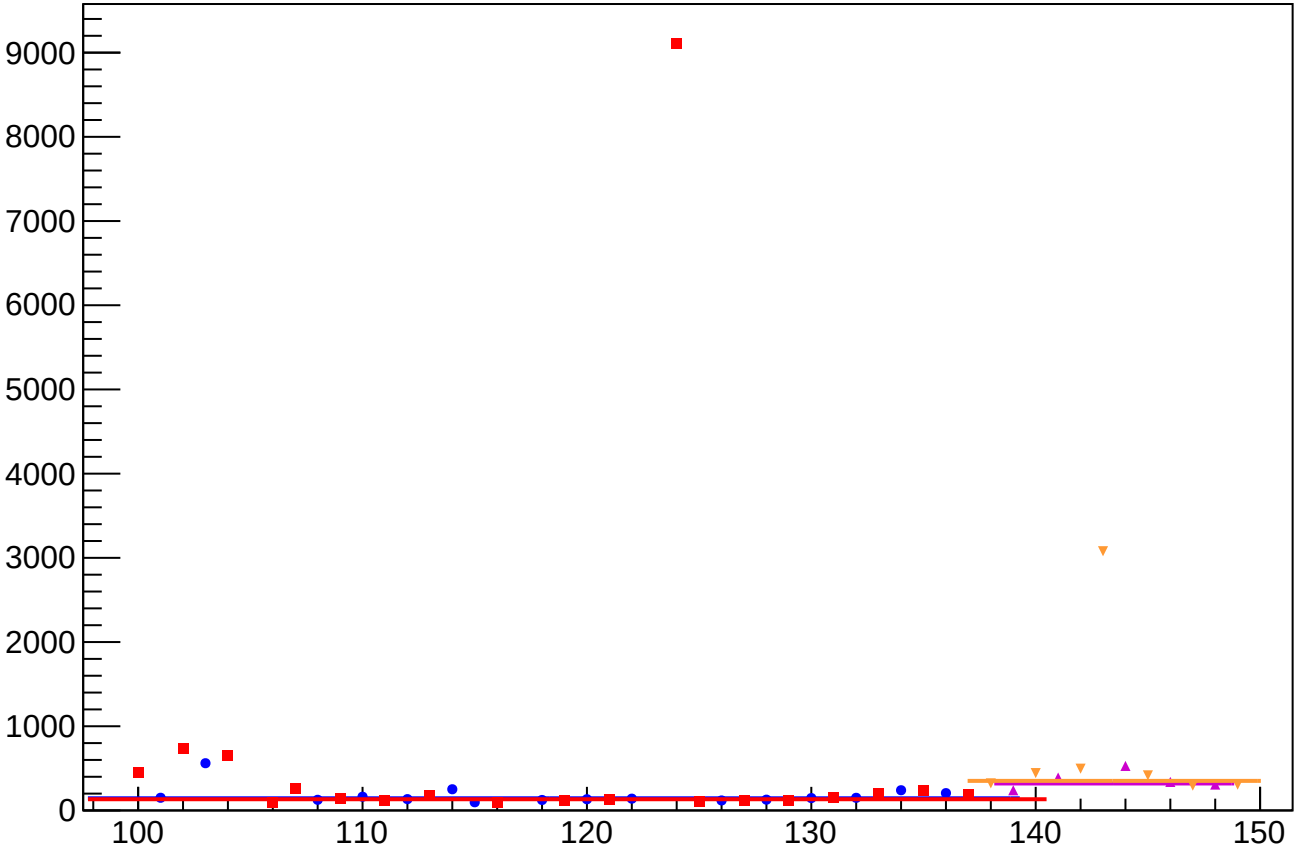
Left In: 0.151+/-0.162 χ^2/NDF:8.1/4

+ sign -0.009+/-0.055 χ^2/NDF: 31.3/22

All: -0.001+/-0.038 χ^2/NDF: 62.2/46

- 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: 351.260+/-0.118 χ^2/NDF:1570107.5/6

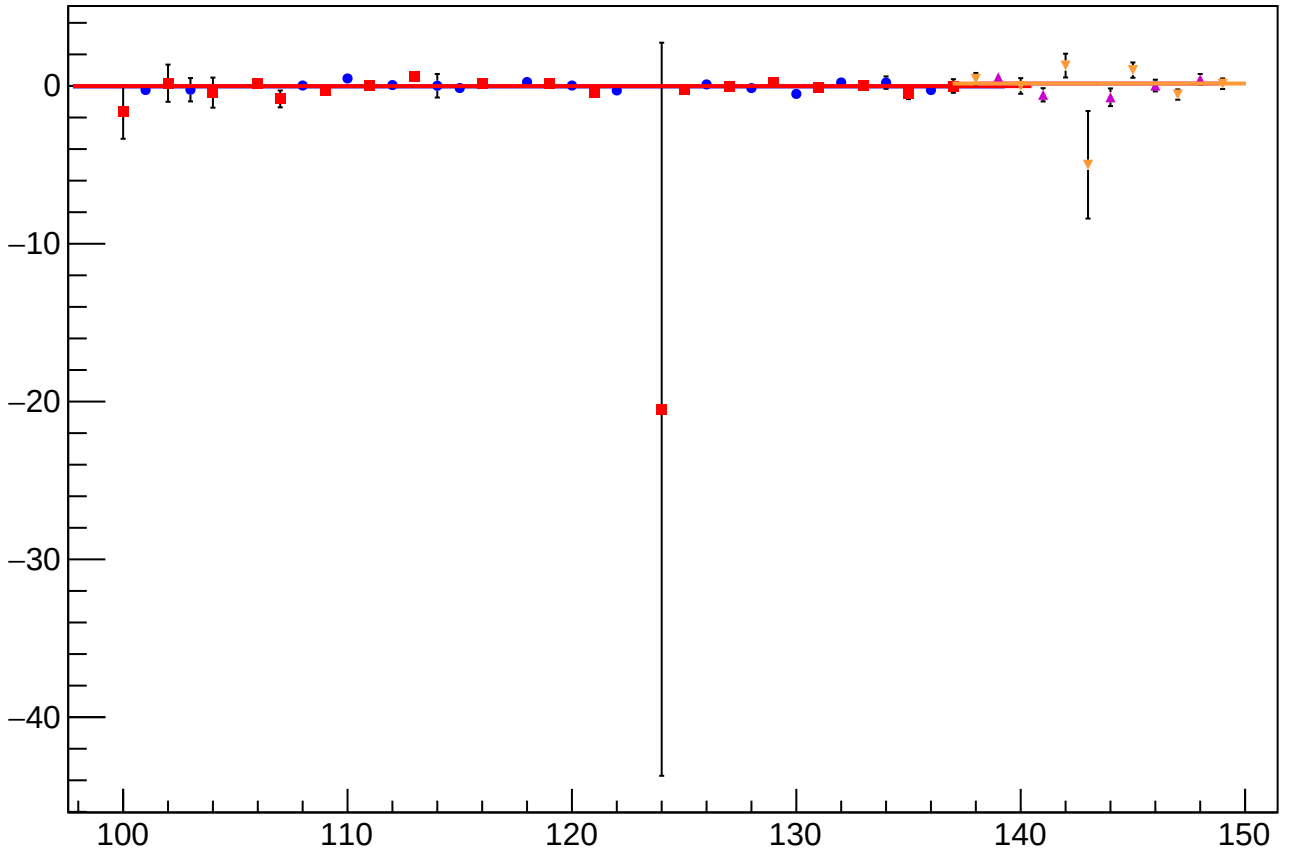
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 320.462+/-0.114 χ^2/NDF:515127.9/4

+ sign 166.323+/-0.039 χ^2/NDF: 5426404.5/22

All: 159.838+/-0.027 χ^2/NDF: 10610081.6/46

- 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: 0.154+/-0.168 χ^2/NDF:13.0/6

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

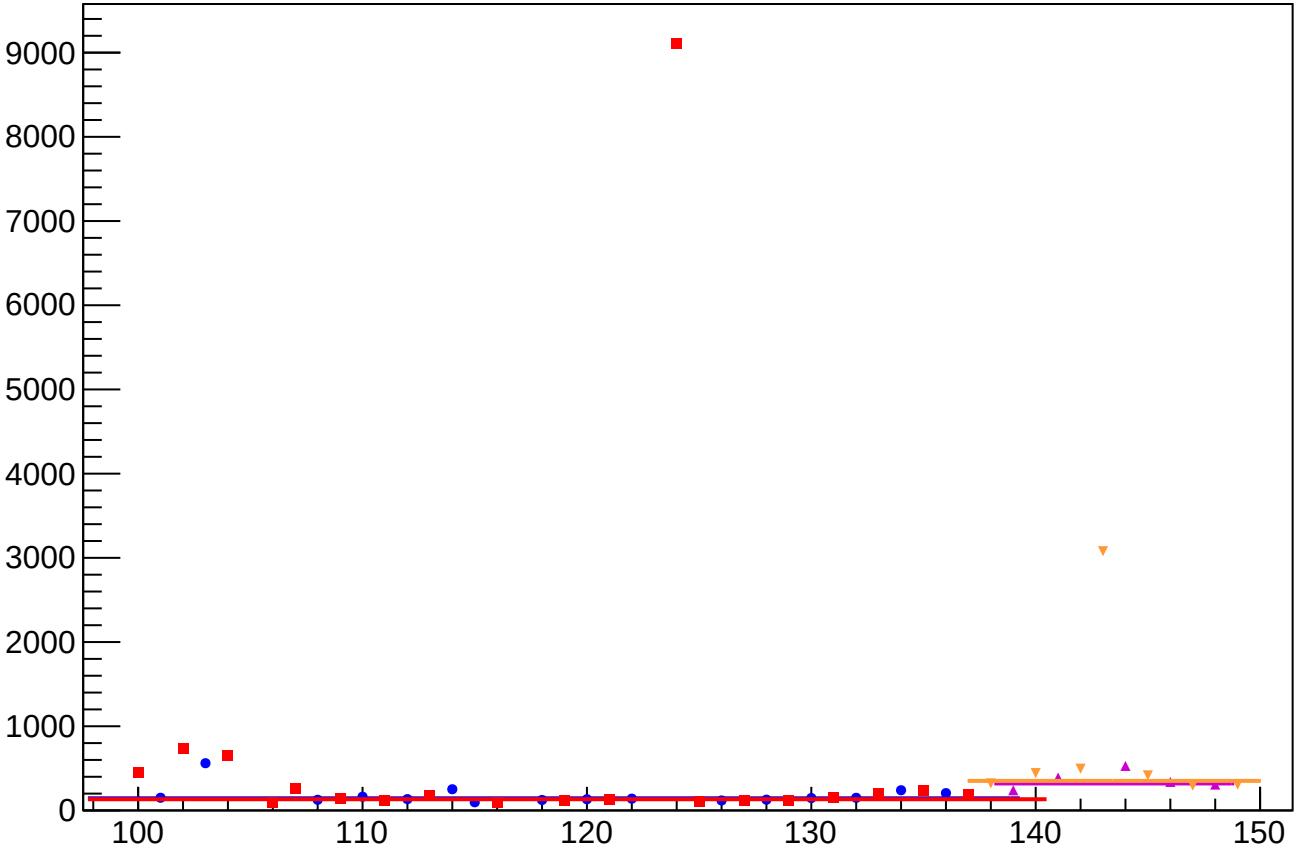
Left In: 0.151+/-0.162 χ^2/NDF:8.1/4

+ sign -0.009+/-0.055 χ^2/NDF: 31.3/22

All: -0.001+/-0.038 χ^2/NDF: 62.2/46

- 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: 351.260+/-0.118 χ^2/NDF:1570107.5/6

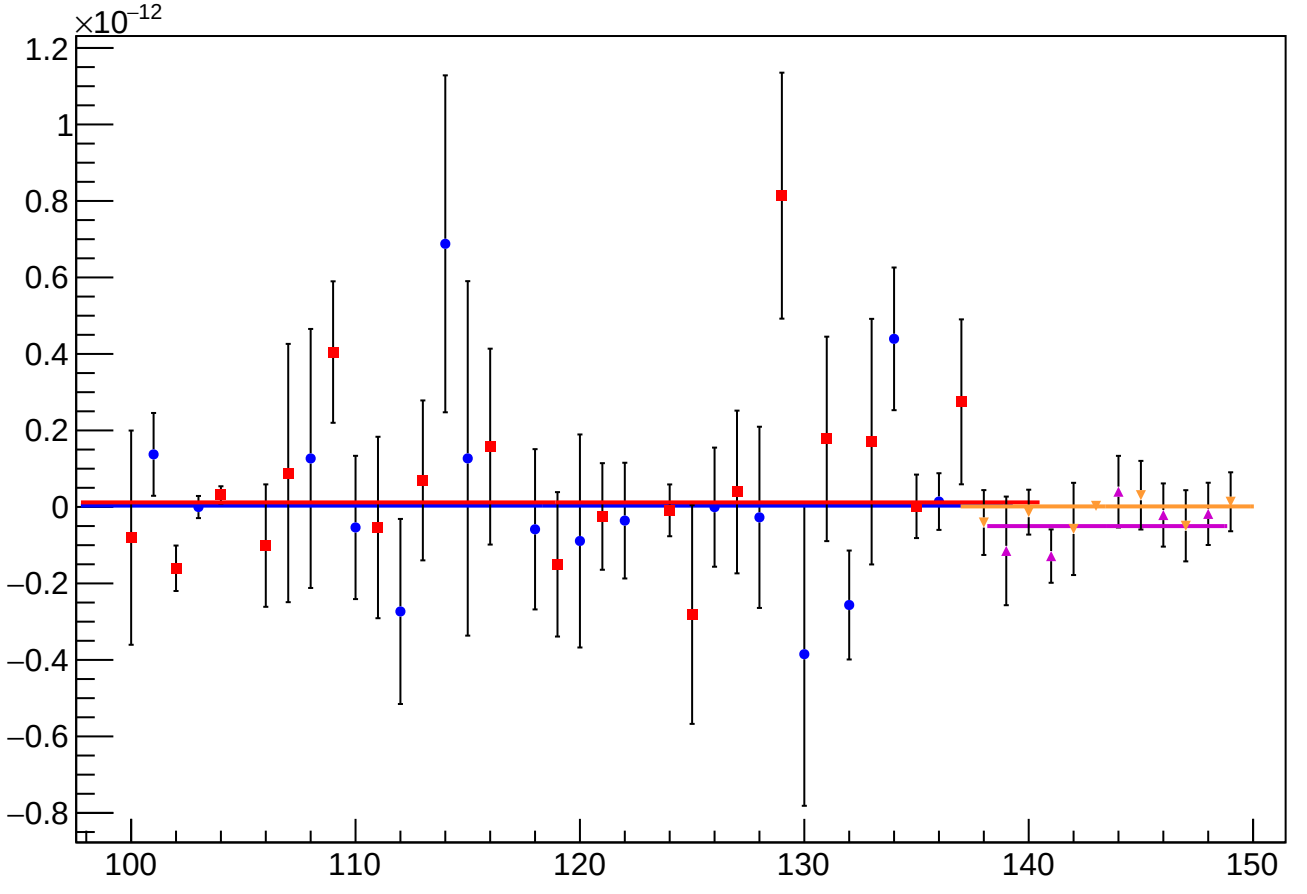
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 320.462+/-0.114 χ^2/NDF:515127.9/4

+ sign 166.323+/-0.039 χ^2/NDF: 5426404.5/22

All: 159.838+/-0.027 χ^2/NDF: 10610081.6/46

- sign 153.663+/-0.038 χ^2/NDF: 5128731.7/23



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/6

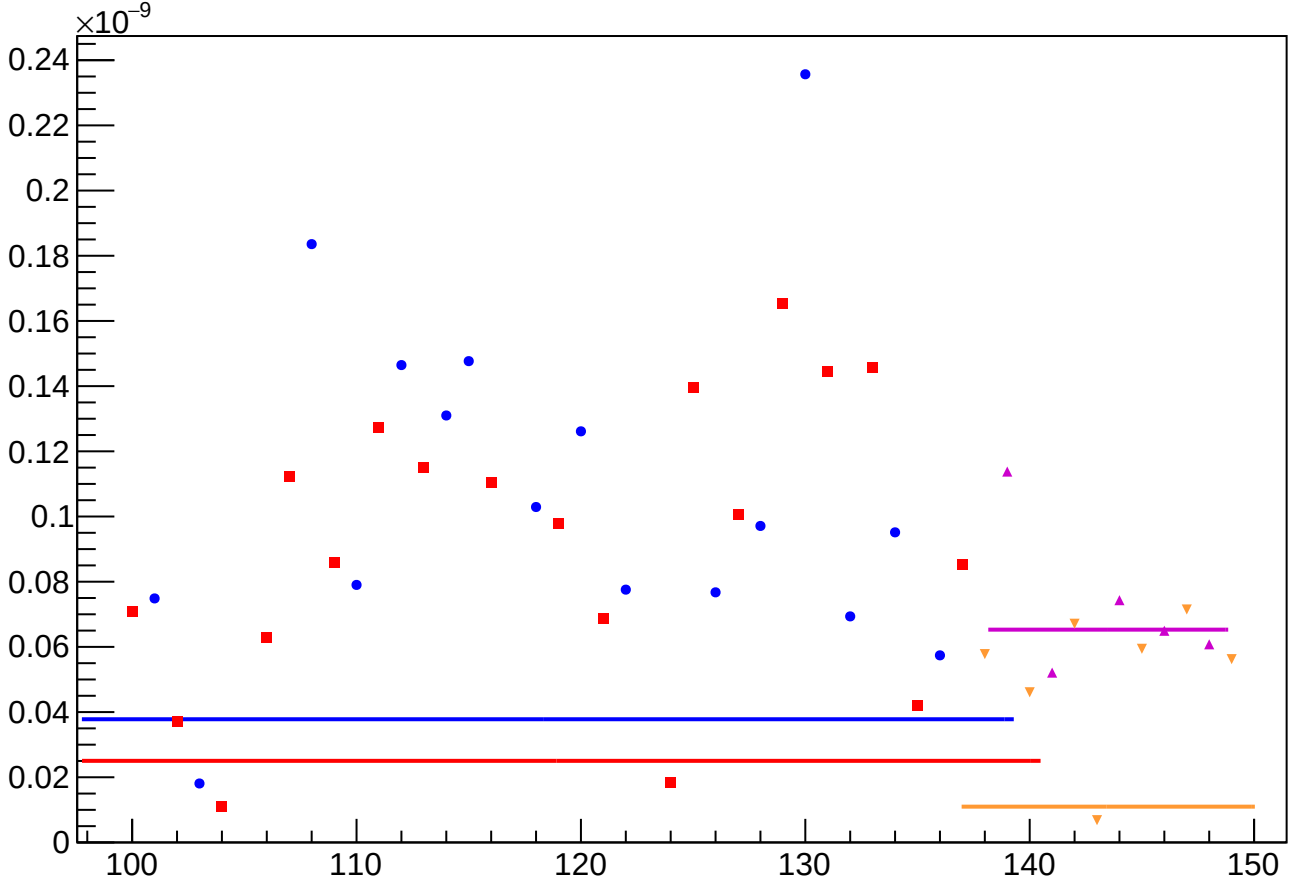
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 16.6/22

All: 0.000+/-0.000 χ^2/NDF: 46.5/46

- sign 0.000+/-0.000 χ^2/NDF: 29.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4216923.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

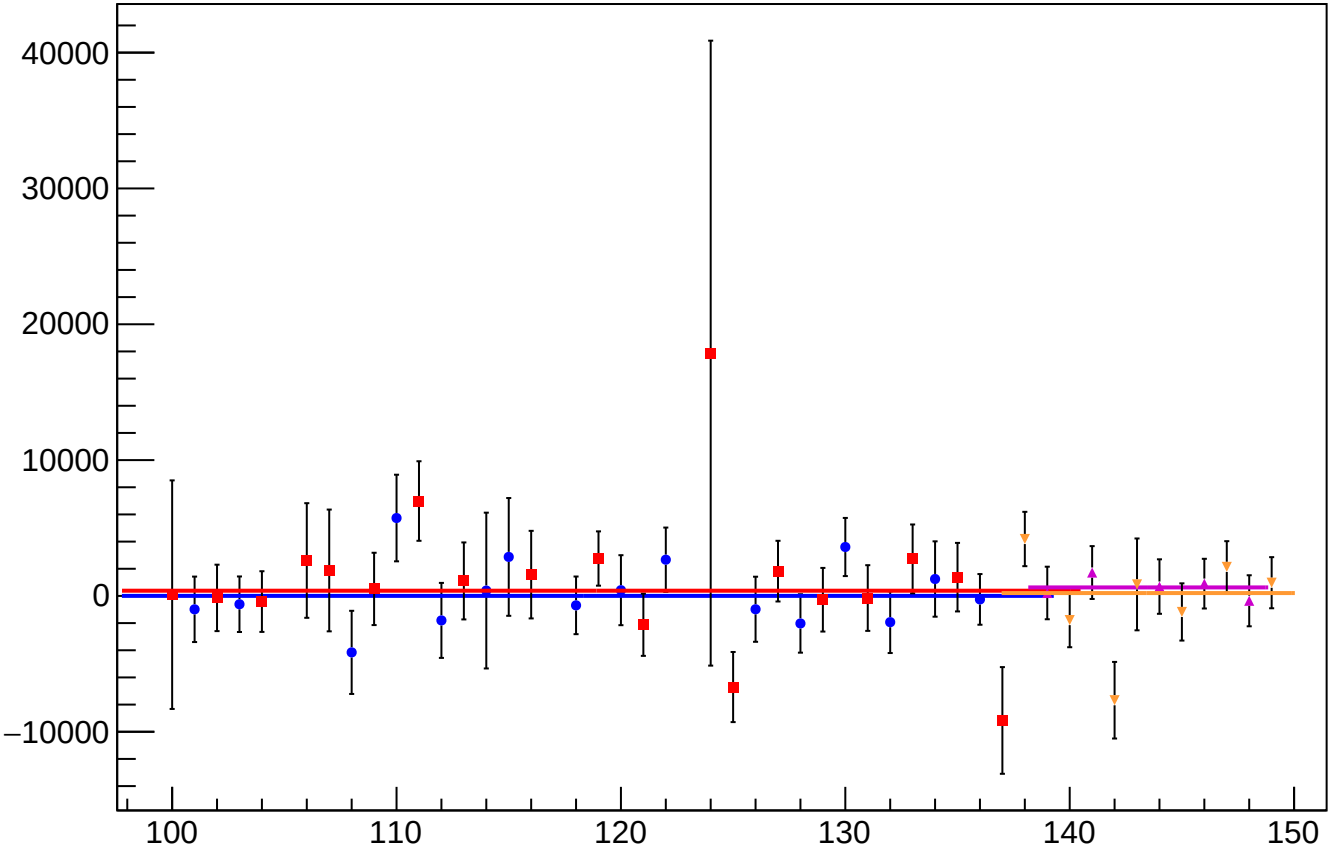
Left In: 0.000+/-0.000 χ^2/NDF:329446.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 10323478.5/22

All: 0.000+/-0.000 χ^2/NDF: 18880726.9/46

- sign 0.000+/-0.000 χ^2/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: 210.797+/-816.436 χ^2/NDF:14.4/6

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

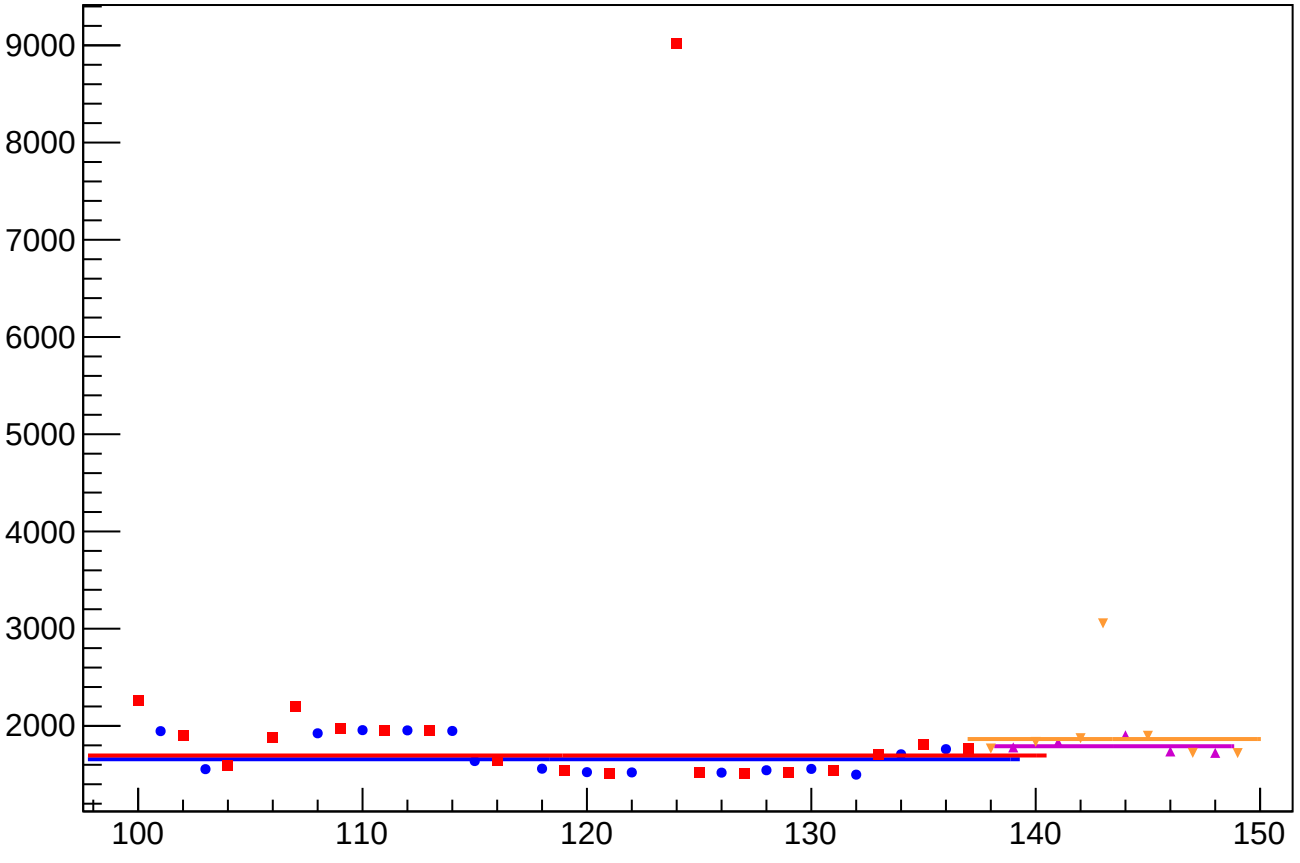
Left In: 626.653+/-856.861 χ^2/NDF:0.7/4

+ sign 79.860+/-493.716 χ^2/NDF: 26.9/22

All: 268.932+/-354.556 χ^2/NDF: 52.0/46

- 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: 1864.947+/-0.577 χ^2/NDF:276477.6/6

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

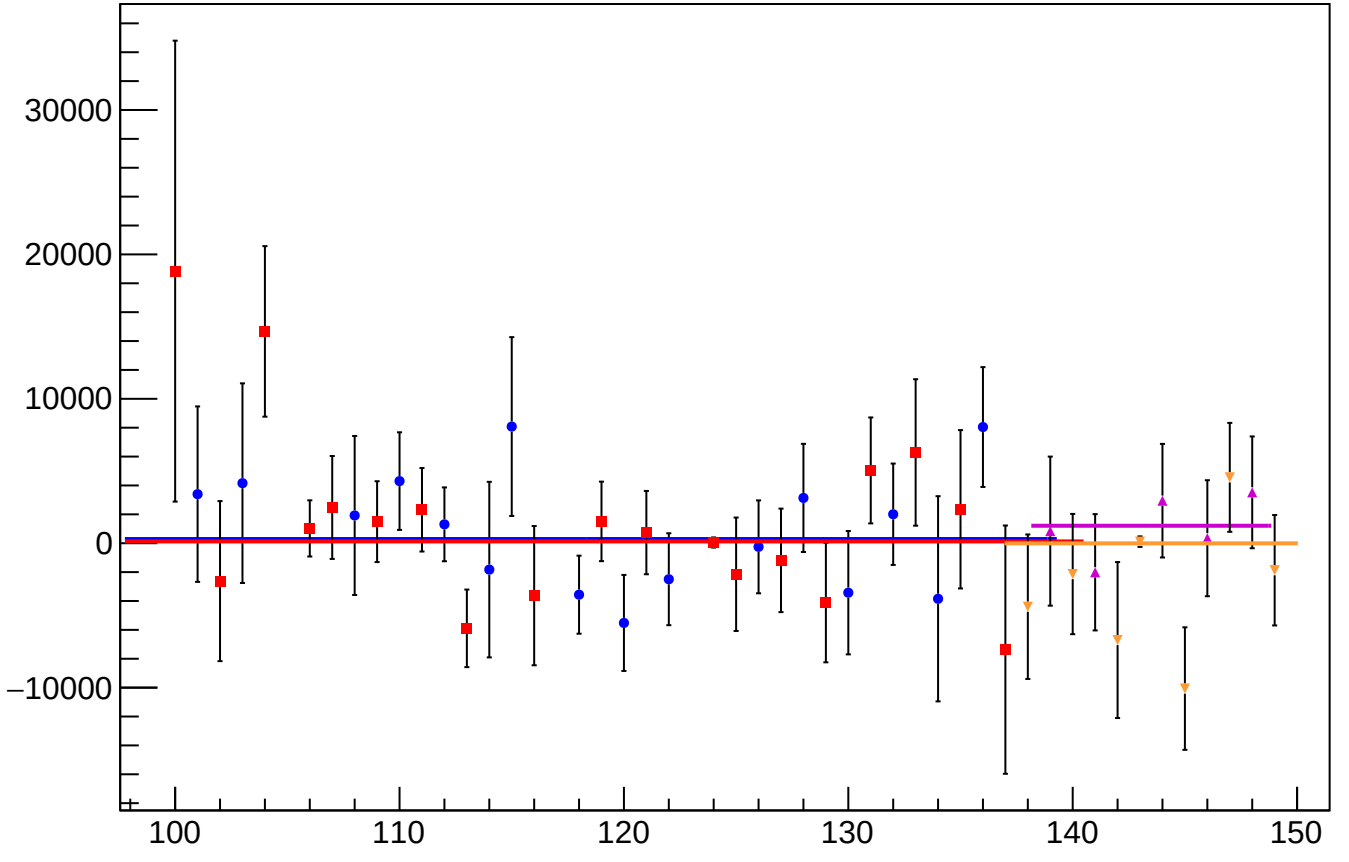
Left In: 1790.953+/-0.606 χ^2/NDF:11484.2/4

+ sign 1733.119+/-0.349 χ^2/NDF: 502664.6/22

All: 1731.188+/-0.250 χ^2/NDF: 916474.5/46

- 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: -7.693+/-356.496 χ^2/NDF:10.0/6

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

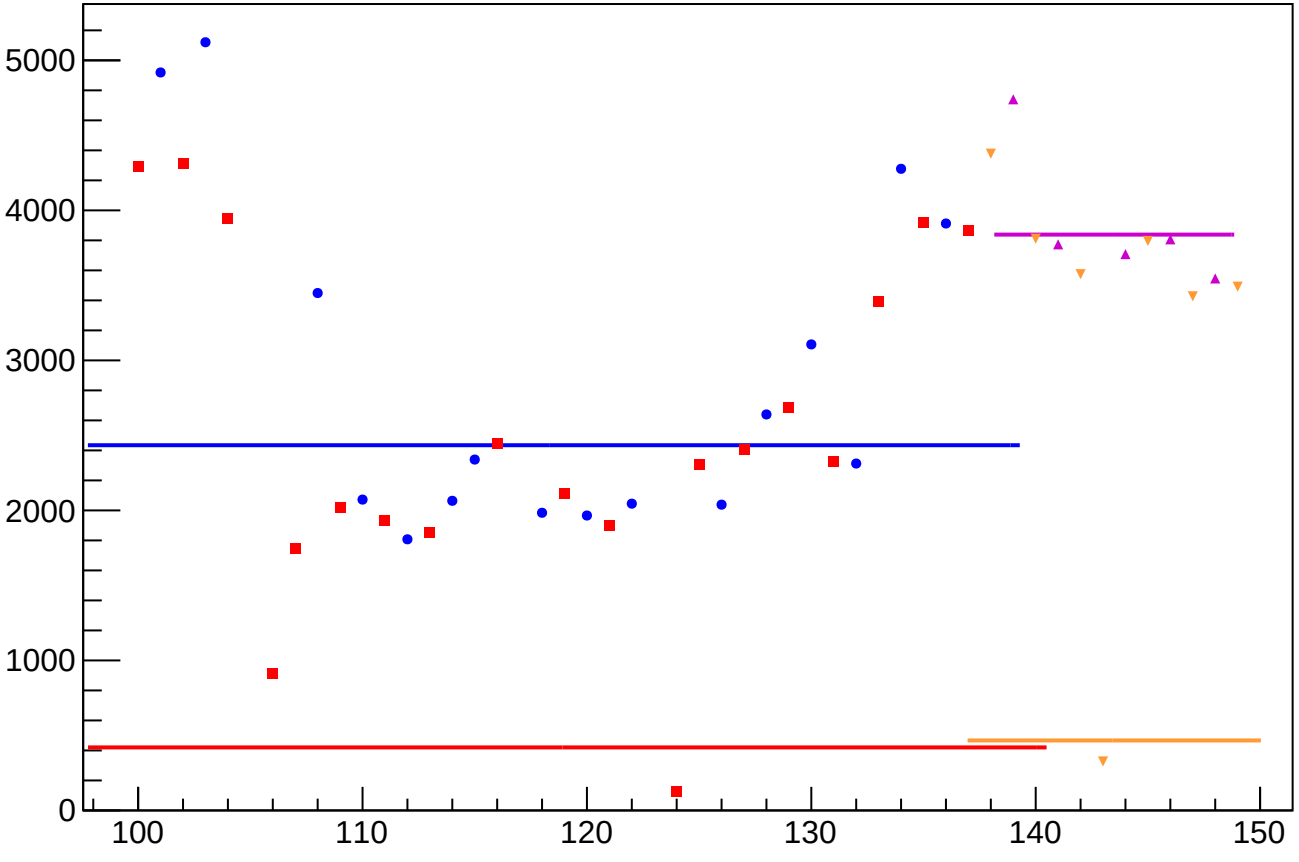
Left In: 1210.866+/-1848.748 χ^2/NDF:1.2/4

+ sign 28.224+/-334.242 χ^2/NDF: 25.3/22

All: 96.098+/-230.716 χ^2/NDF: 47.8/46

- 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: 466.617+/-0.252 χ^2/NDF:7188242.0/6

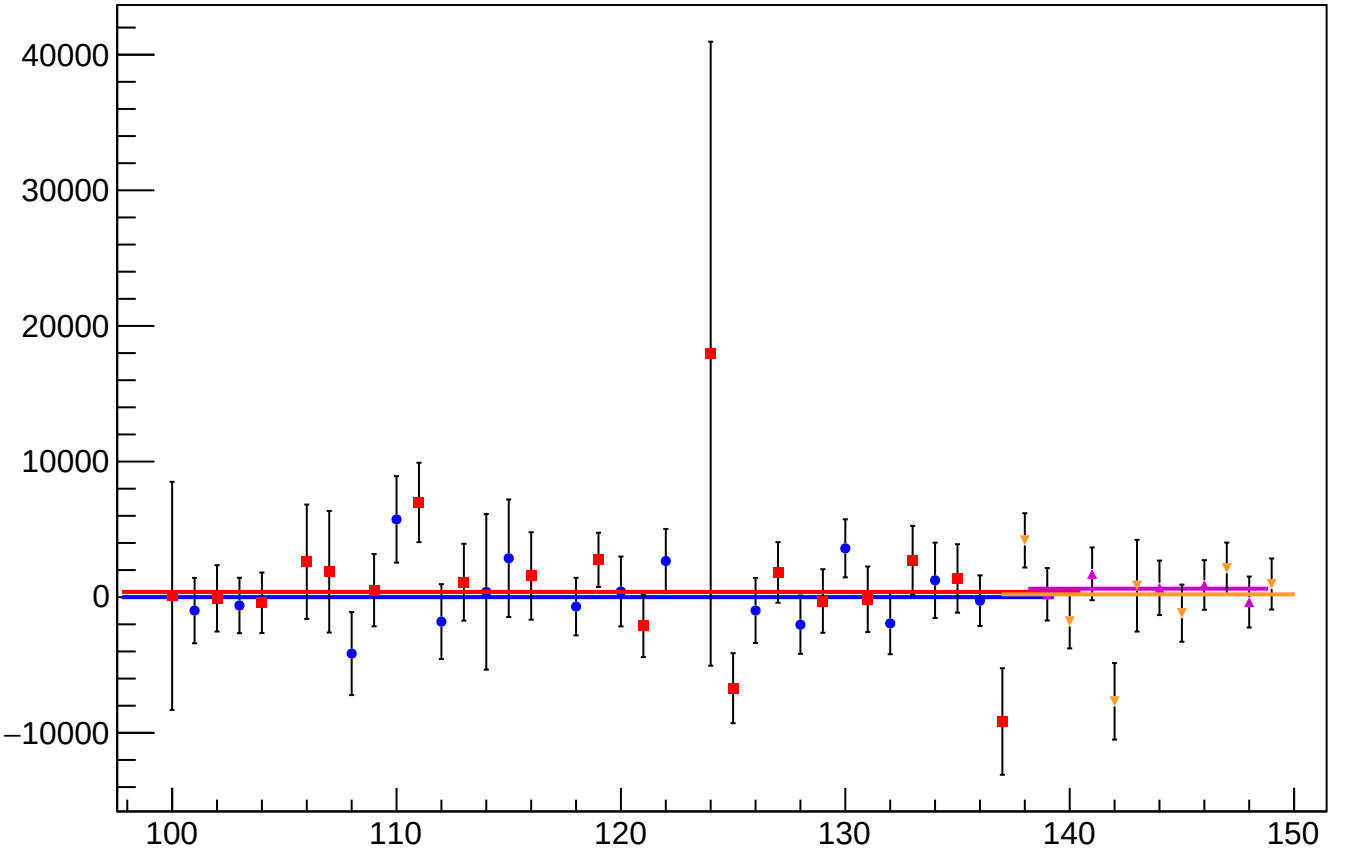
Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 3838.530+/-1.307 χ^2/NDF:75306.2/4

+ sign 704.647+/-0.236 χ^2/NDF: 16017732.8/22

All: 609.013+/-0.163 χ^2/NDF: 34103576.8/46

- sign 521.977+/-0.225 χ^2/NDF: 17773102.4/23



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 210.622+/-816.436 χ^2/NDF:14.4/6

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

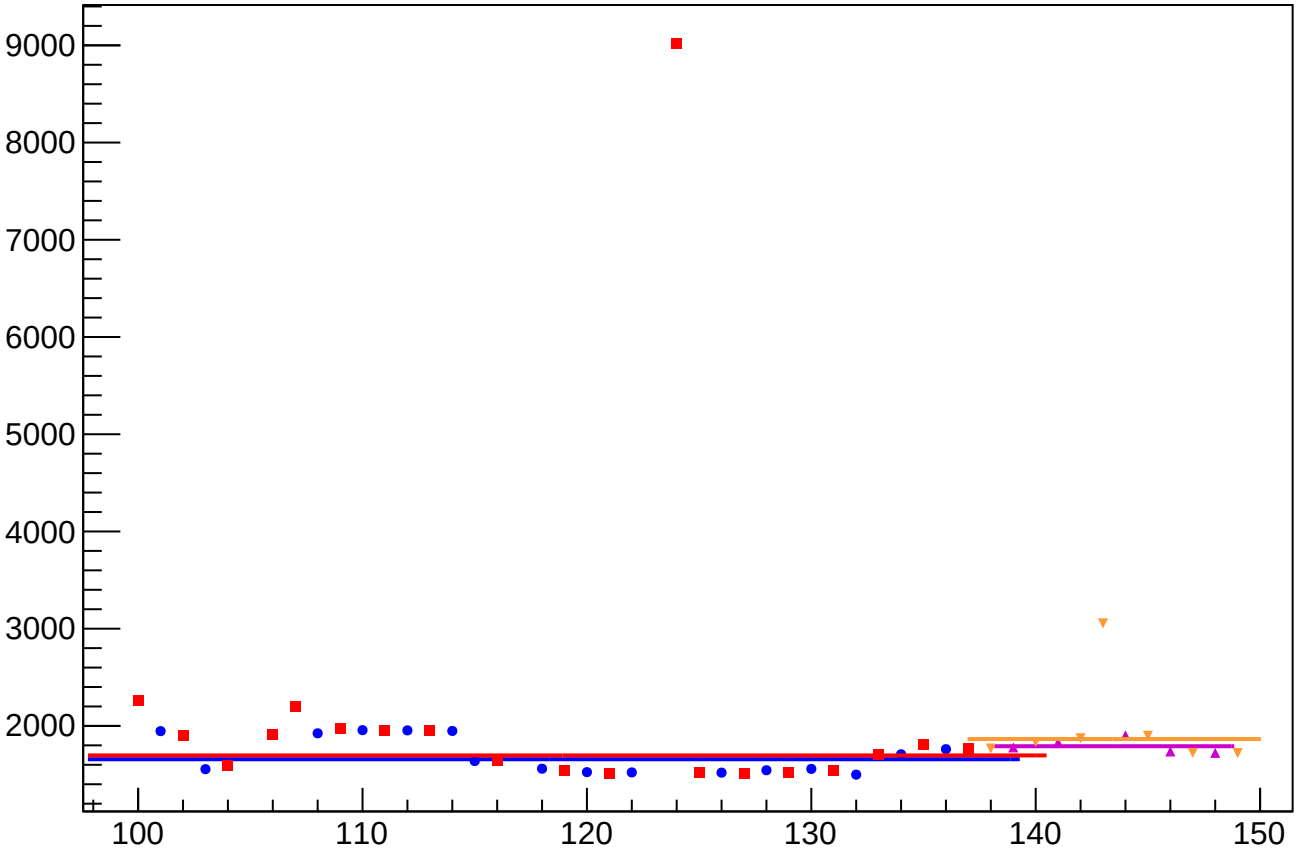
Left In: 626.539+/-856.861 χ^2/NDF:0.7/4

+ sign 79.746+/-493.716 χ^2/NDF: 26.9/22

All: 270.198+/-354.557 χ^2/NDF: 52.0/46

- 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: 1864.947+/-0.577 χ^2/NDF:276477.6/6

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

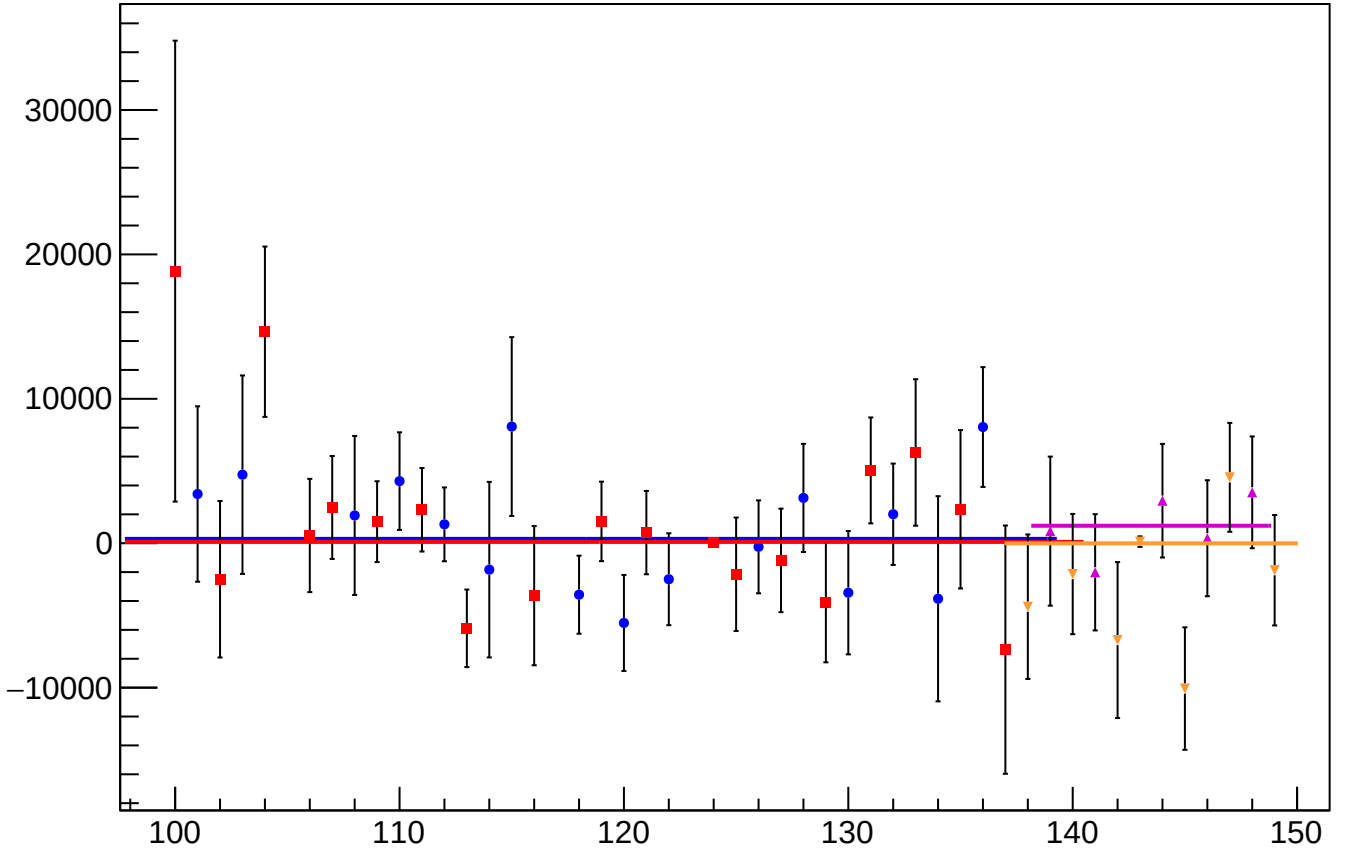
Left In: 1790.953+/-0.606 χ^2/NDF:11484.2/4

+ sign 1733.119+/-0.349 χ^2/NDF: 502664.7/22

All: 1731.448+/-0.250 χ^2/NDF: 917945.7/46

- 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: -7.228+/-356.469 χ^2/NDF:10.0/6

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

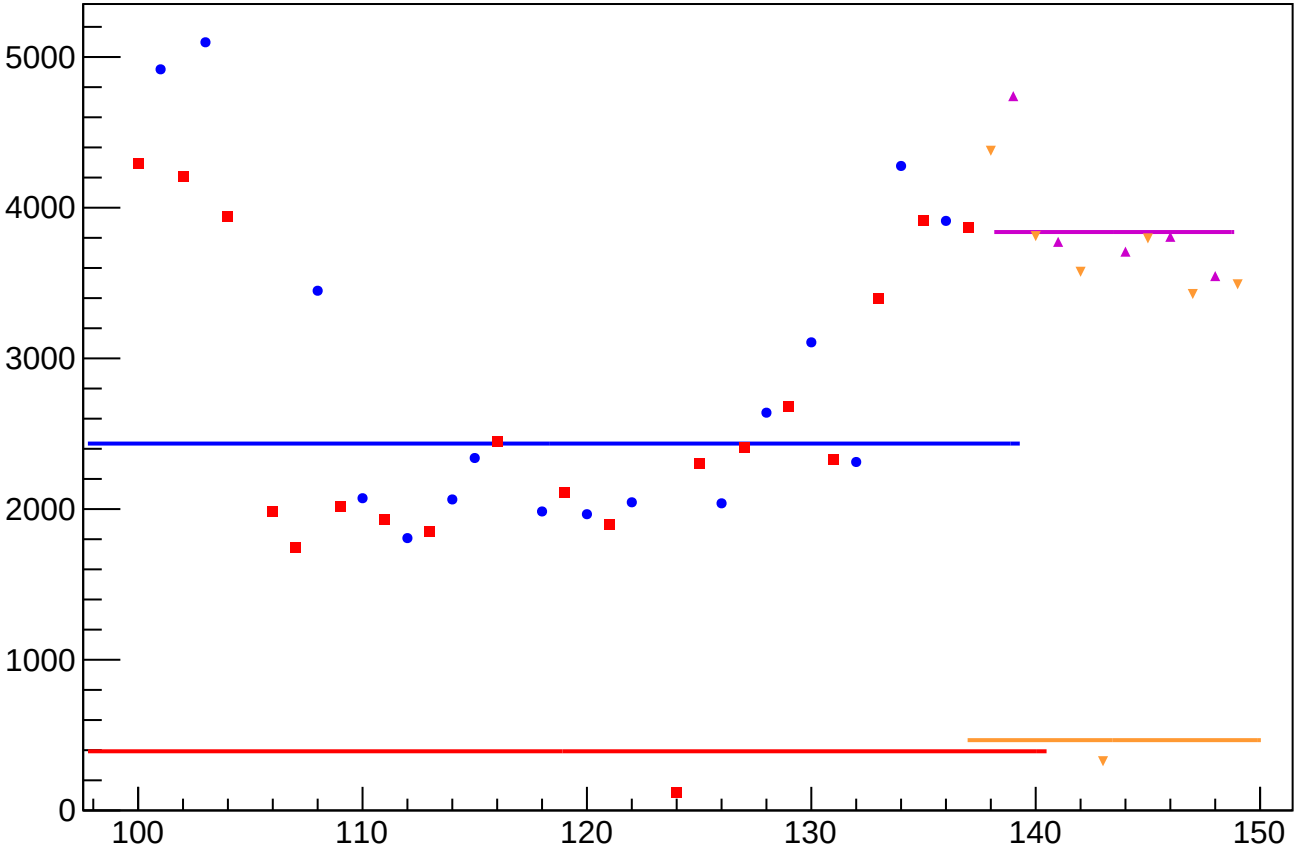
Left In: 1210.752+/-1848.748 χ^2/NDF:1.2/4

+ sign 30.157+/-334.215 χ^2/NDF: 25.4/22

All: 80.384+/-227.773 χ^2/NDF: 47.7/46

- 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: 466.568+/-0.252 χ^2/NDF:7188406.4/6

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

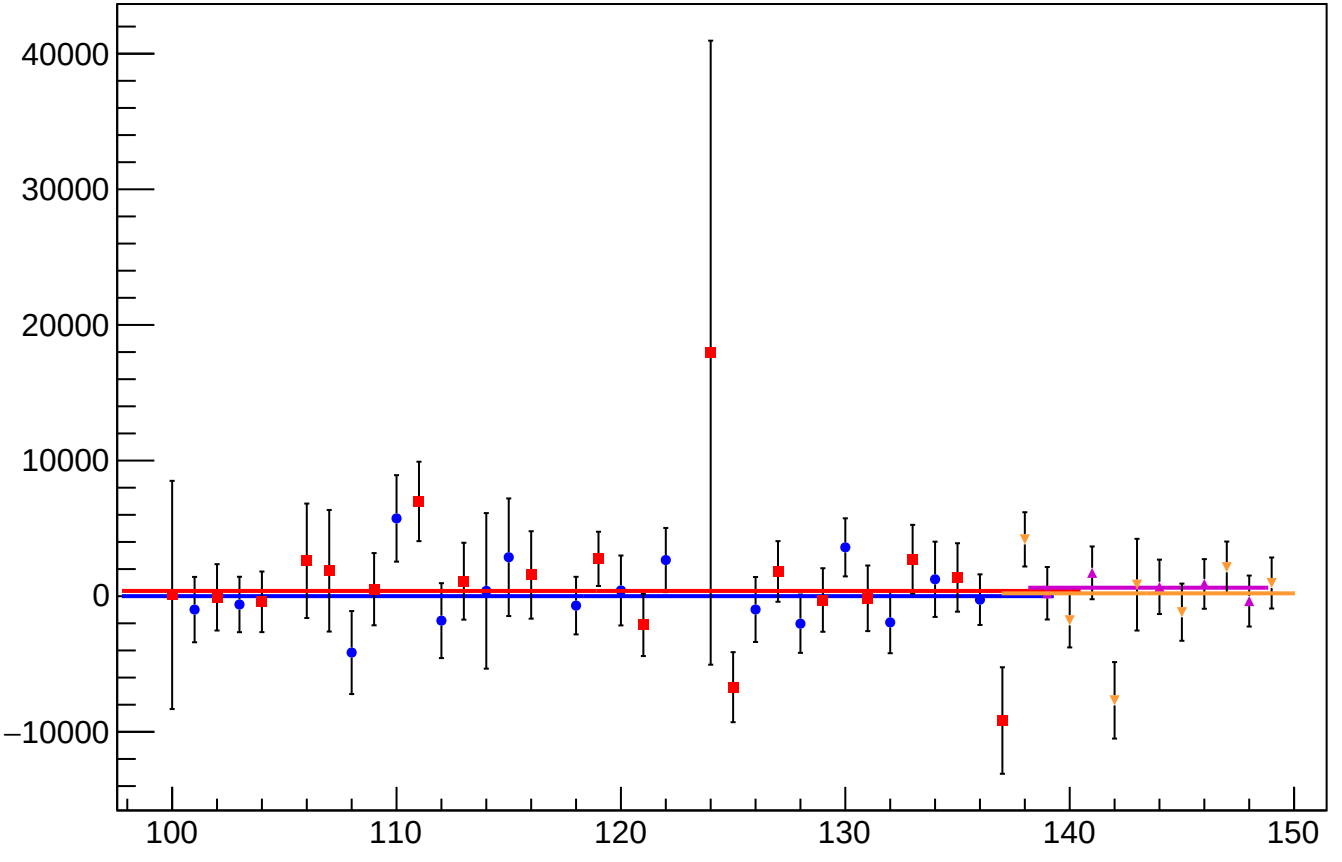
Left In: 3838.532+/-1.307 χ^2/NDF:75303.5/4

+ sign 704.644+/-0.236 χ^2/NDF: 16019540.9/22

All: 589.875+/-0.161 χ^2/NDF: 34694489.4/46

- 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: 210.622+/-816.436 χ^2/NDF:14.4/6

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

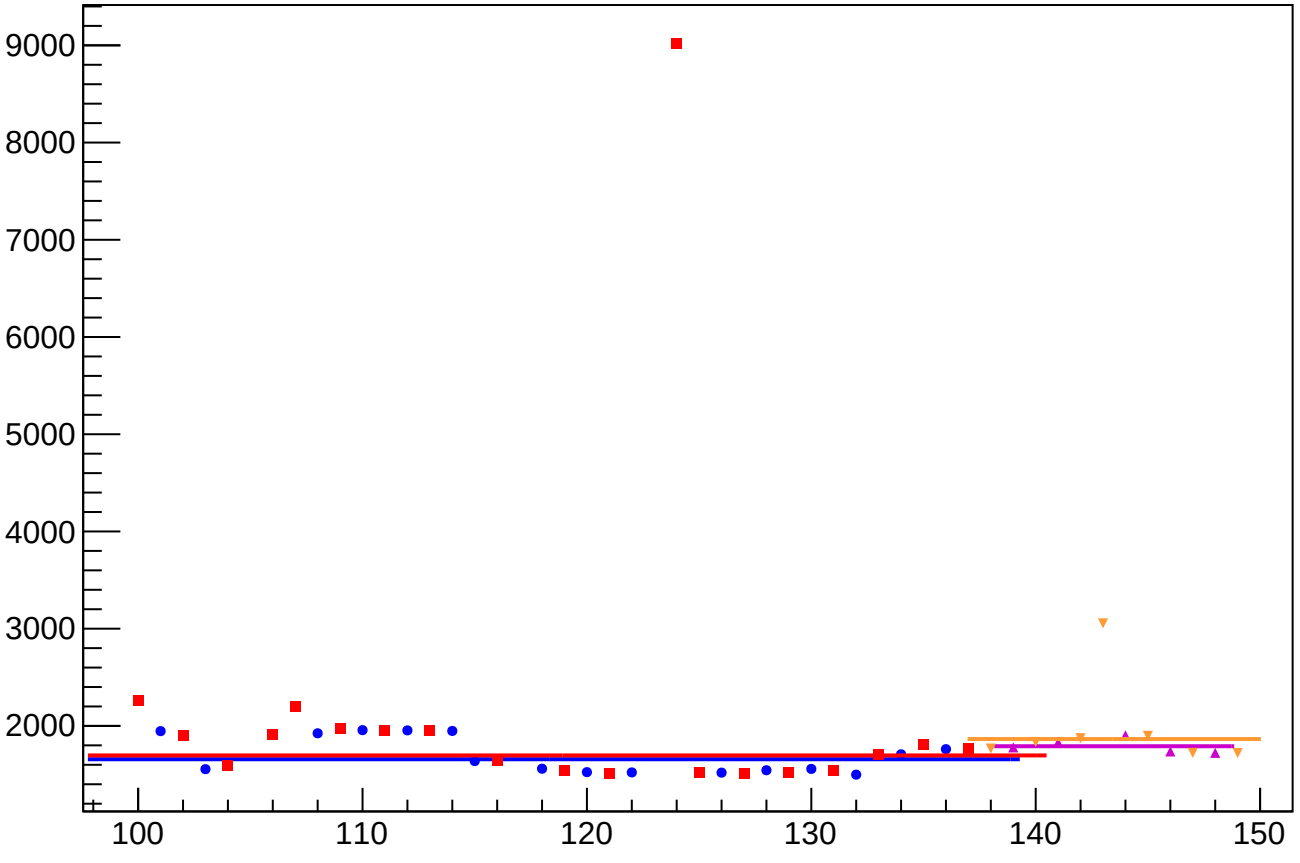
Left In: 626.539+/-856.861 χ^2/NDF:0.7/4

+ sign 79.746+/-493.716 χ^2/NDF: 26.9/22

All: 270.198+/-354.557 χ^2/NDF: 52.0/46

- 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: 1864.947+/-0.577 χ^2/NDF:276477.6/6

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

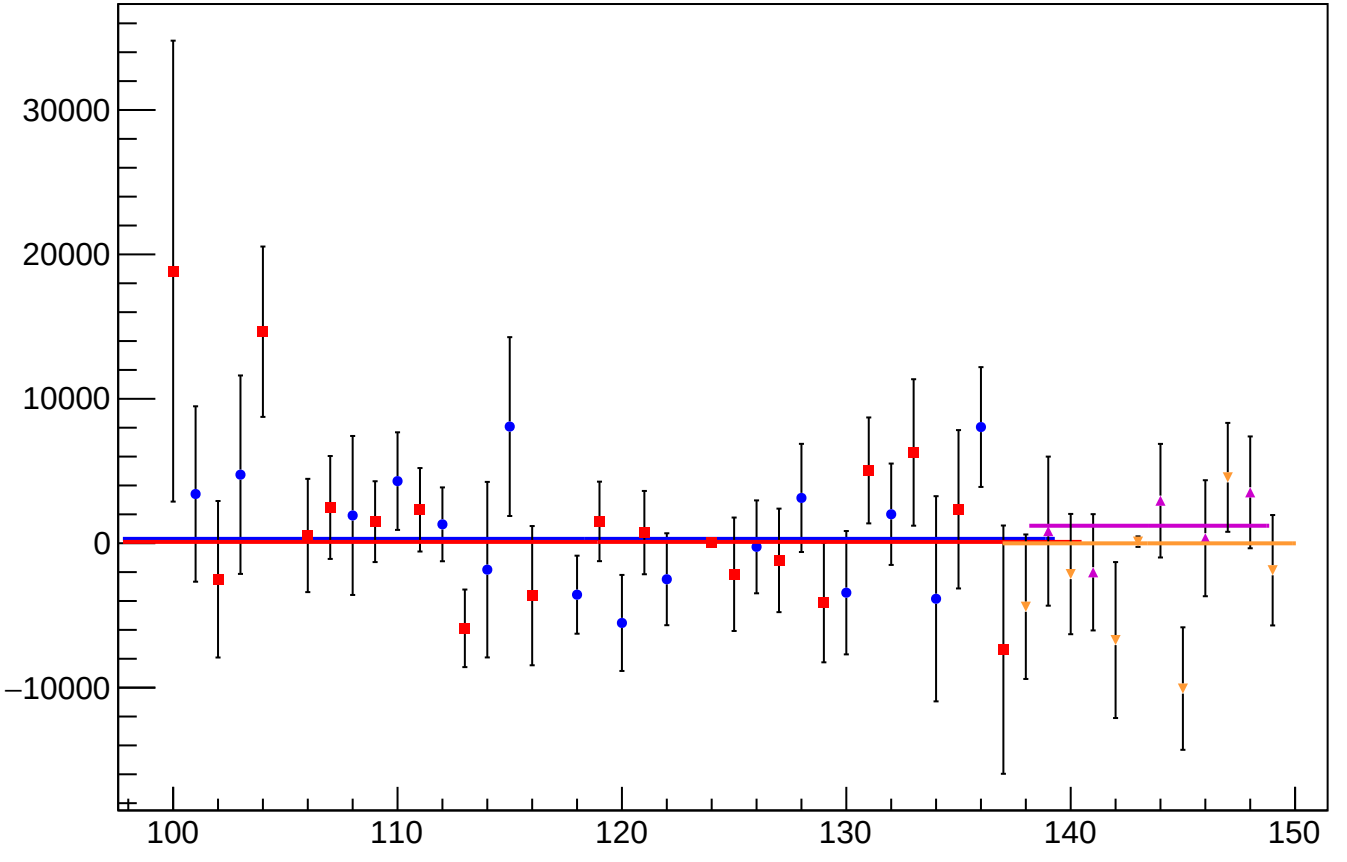
Left In: 1790.953+/-0.606 χ^2/NDF:11484.2/4

+ sign 1733.119+/-0.349 χ^2/NDF: 502664.7/22

All: 1731.448+/-0.250 χ^2/NDF: 917945.7/46

- 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: -7.228+/-356.469 χ^2/NDF:10.0/6

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

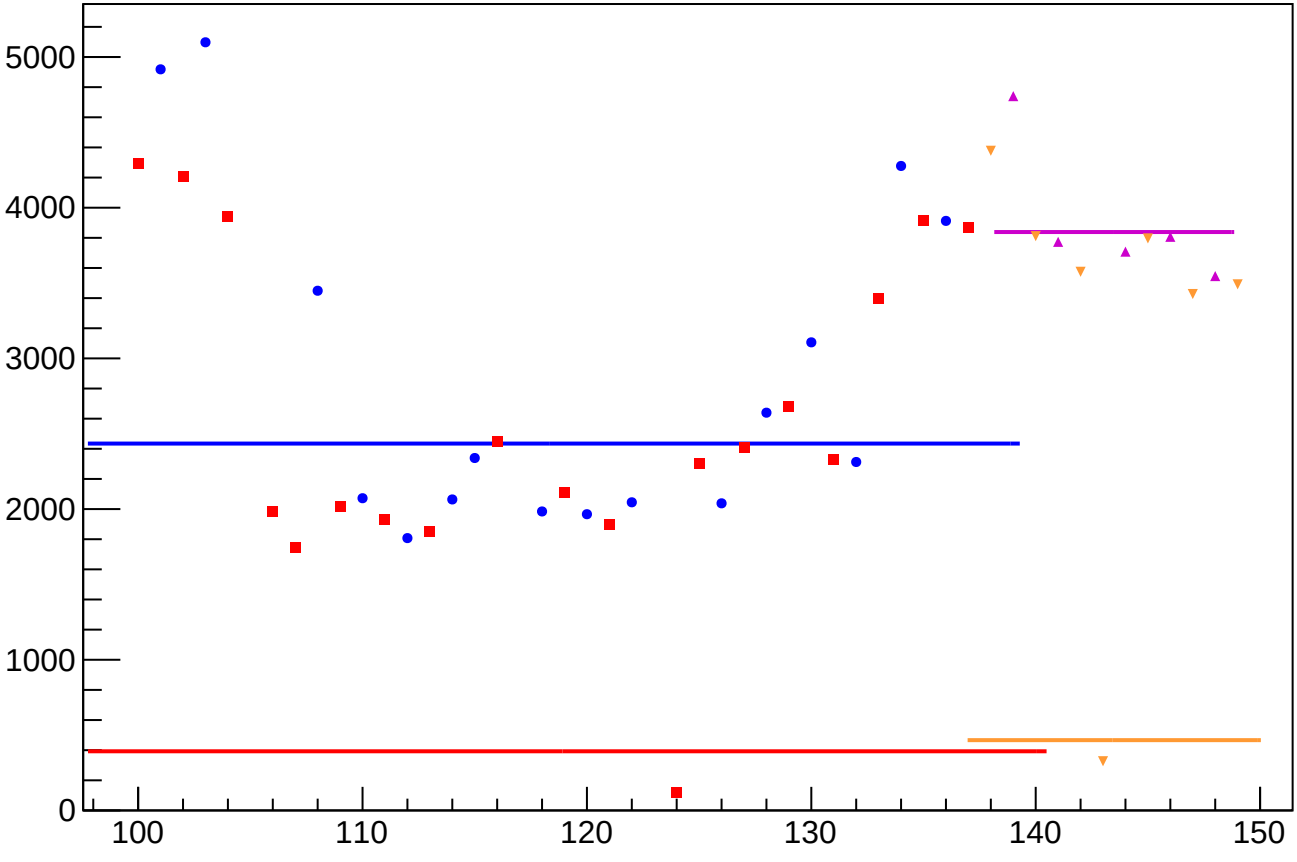
Left In: 1210.752+/-1848.748 χ^2/NDF:1.2/4

+ sign 30.157+/-334.215 χ^2/NDF: 25.4/22

All: 80.384+/-227.773 χ^2/NDF: 47.7/46

- 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: 466.568+/-0.252 χ^2/NDF:7188406.4/6

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

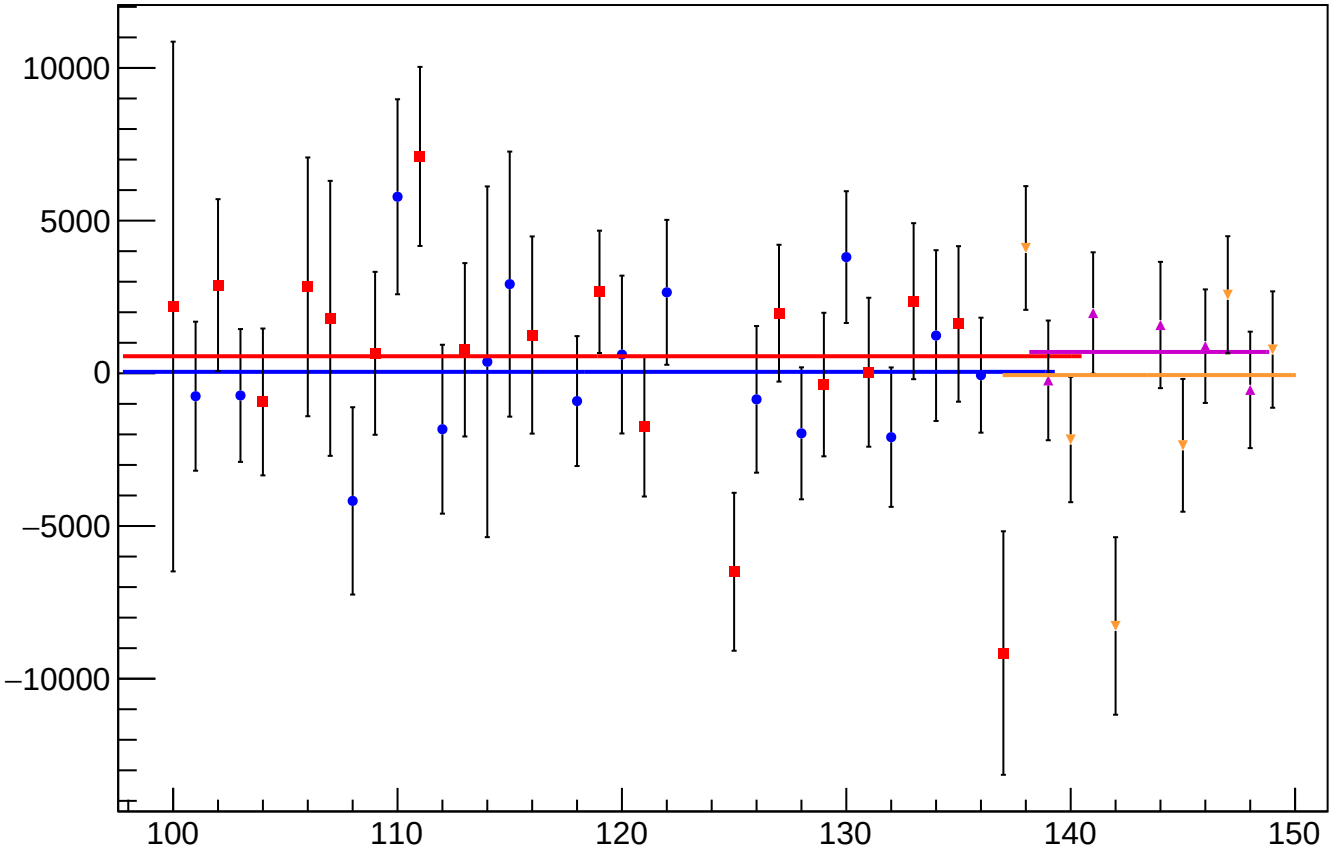
Left In: 3838.532+/-1.307 χ^2/NDF:75303.5/4

+ sign 704.644+/-0.236 χ^2/NDF: 16019540.9/22

All: 589.875+/-0.161 χ^2/NDF: 34694489.4/46

- 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: -57.531+/-857.998 χ^2/NDF:16.5/5

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

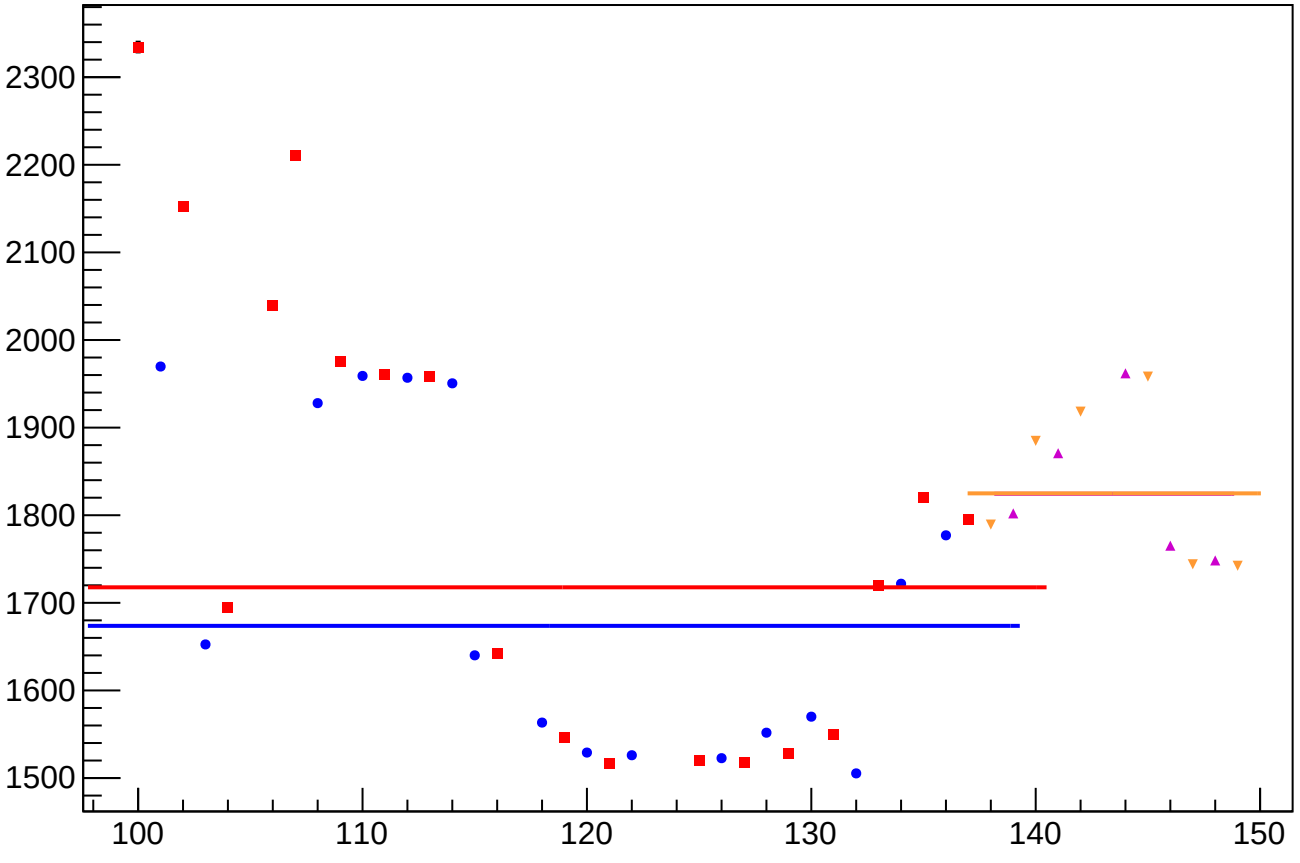
Left In: 699.713+/-873.161 χ^2/NDF:1.3/4

+ sign 11.543+/-505.787 χ^2/NDF: 29.3/21

All: 302.642+/-362.210 χ^2/NDF: 54.5/44

- 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: 1824.955+/-0.607 χ^2/NDF:19225.1/5

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

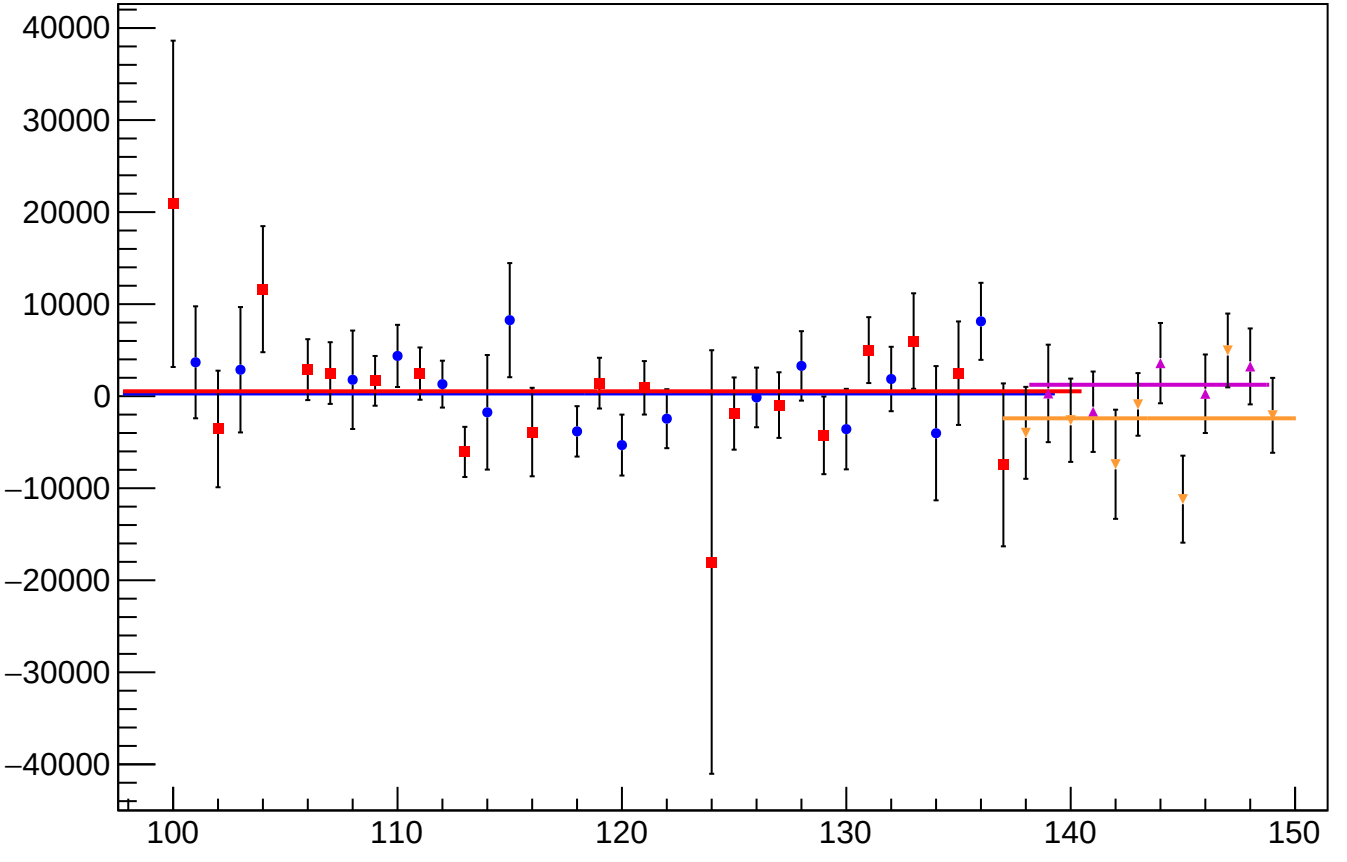
Left In: 1824.466+/-0.617 χ^2/NDF:15406.5/4

+ sign 1726.281+/-0.358 χ^2/NDF: 200638.8/21

All: 1740.444+/-0.256 χ^2/NDF: 466268.4/44

- 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: -2404.576+/-1641.486 χ^2/NDF:7.9/6

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

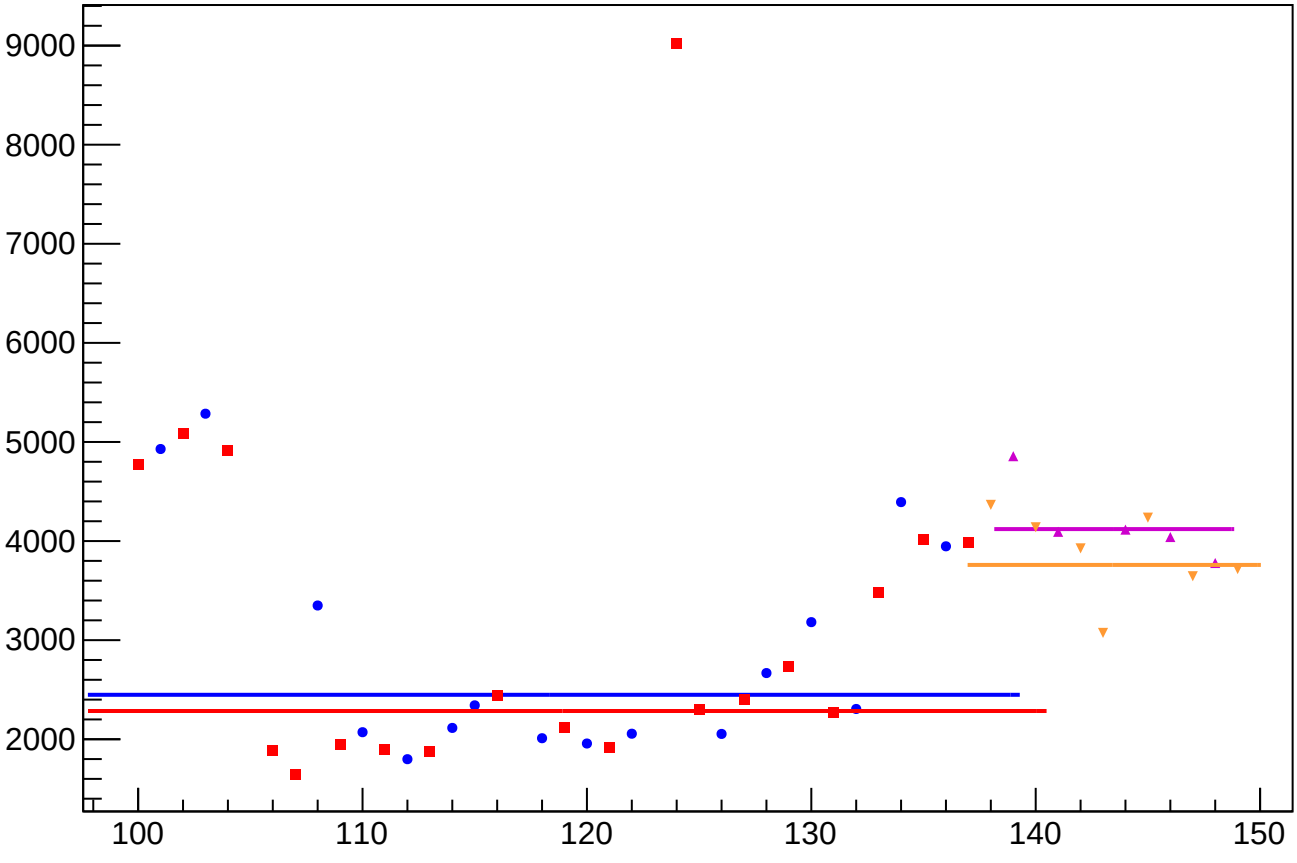
Left In: 1240.260+/-1983.003 χ^2/NDF:1.1/4

+ sign -396.887+/-831.688 χ^2/NDF: 25.1/22

All: 141.347+/-579.308 χ^2/NDF: 45.9/46

- 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: 3759.195+/-1.161 χ^2/NDF:148680.2/6

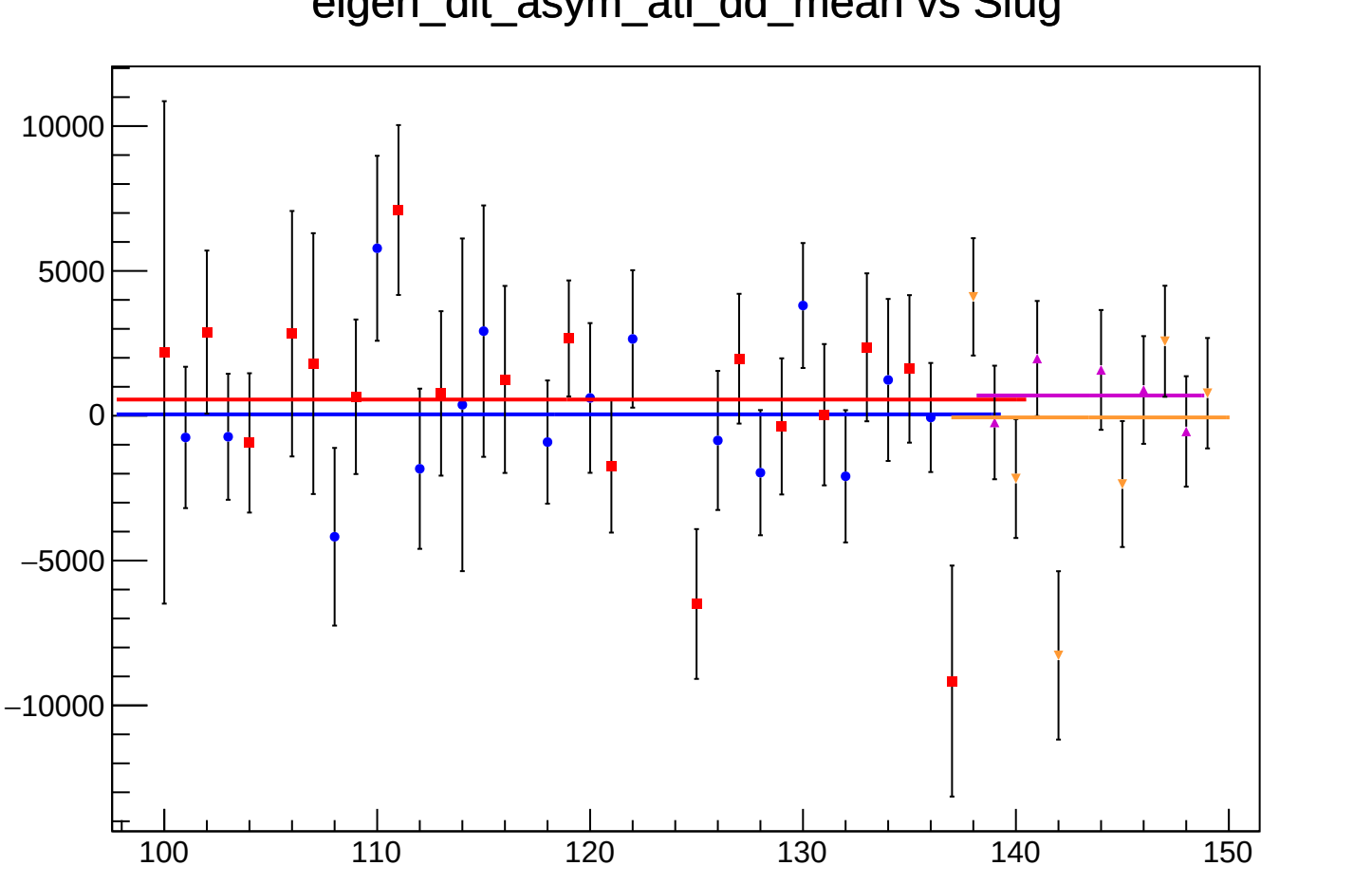
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4120.884+/-1.402 χ^2/NDF:53146.4/4

+ sign 2785.044+/-0.588 χ^2/NDF: 2613922.3/22

All: 2684.322+/-0.410 χ^2/NDF: 5702822.5/46

- 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: -57.539+/-857.998 χ^2/NDF:16.5/5

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

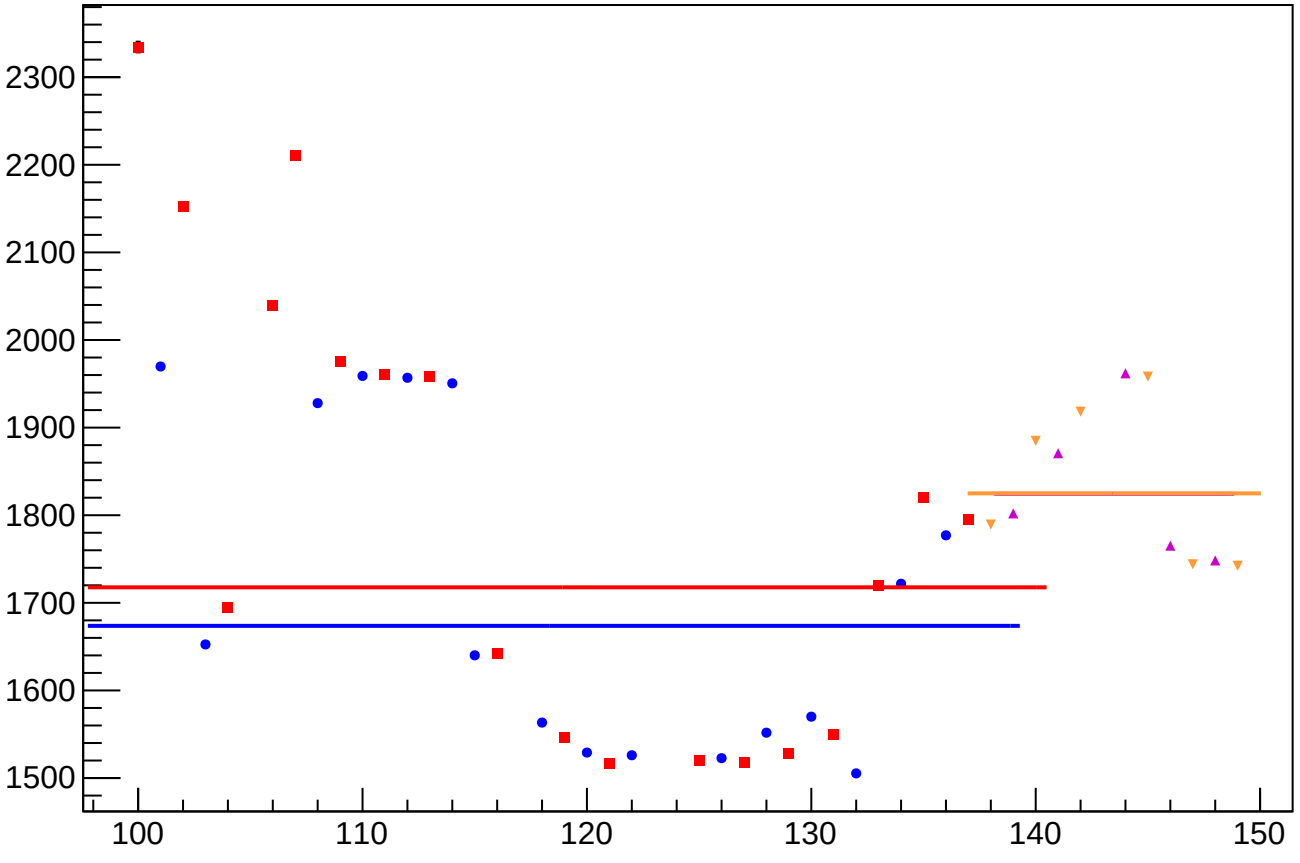
Left In: 699.716+/-873.161 χ^2/NDF:1.3/4

+ sign 11.539+/-505.787 χ^2/NDF: 29.3/21

All: 302.640+/-362.210 χ^2/NDF: 54.5/44

- 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: 1824.956+/-0.607 χ^2/NDF:19225.6/5

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

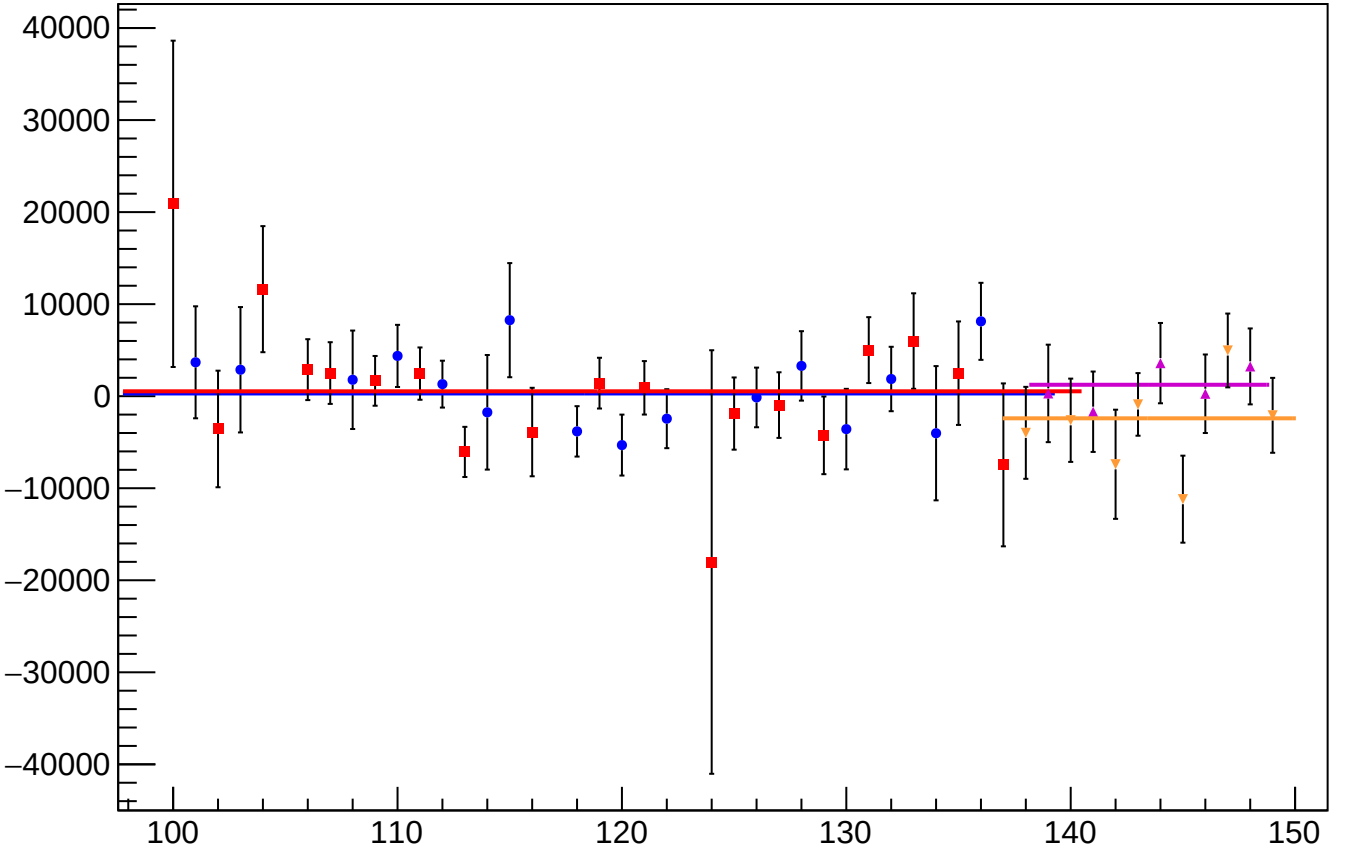
Left In: 1824.467+/-0.617 χ^2/NDF:15406.7/4

+ sign 1726.281+/-0.358 χ^2/NDF: 200639.7/21

All: 1740.444+/-0.256 χ^2/NDF: 466269.2/44

- 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: -2404.574+/-1641.488 χ^2/NDF:7.9/6

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

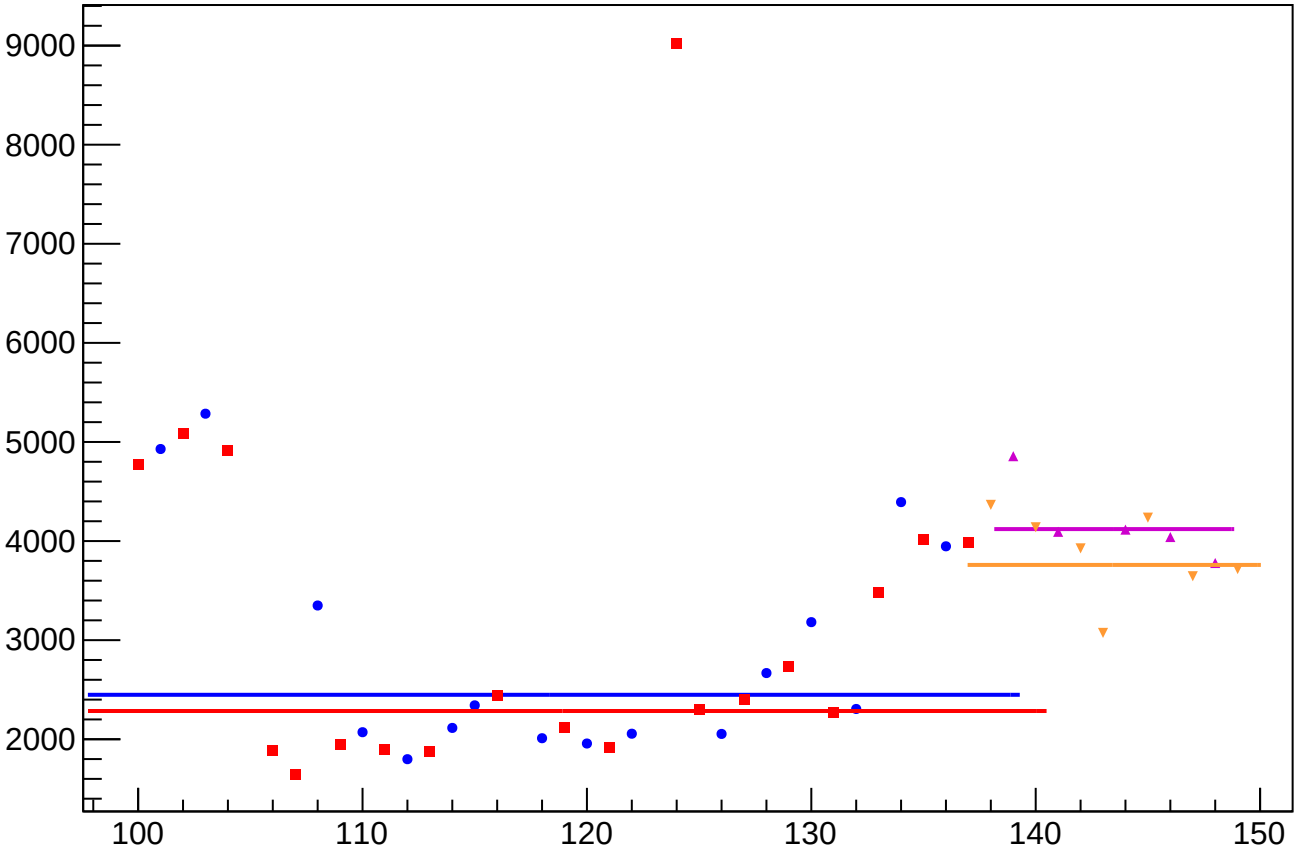
Left In: 1240.262+/-1983.006 χ^2/NDF:1.1/4

+ sign -396.886+/-831.686 χ^2/NDF: 25.1/22

All: 141.348+/-579.306 χ^2/NDF: 45.9/46

- 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: 3759.199+/-1.161 χ^2/NDF:148683.3/6

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

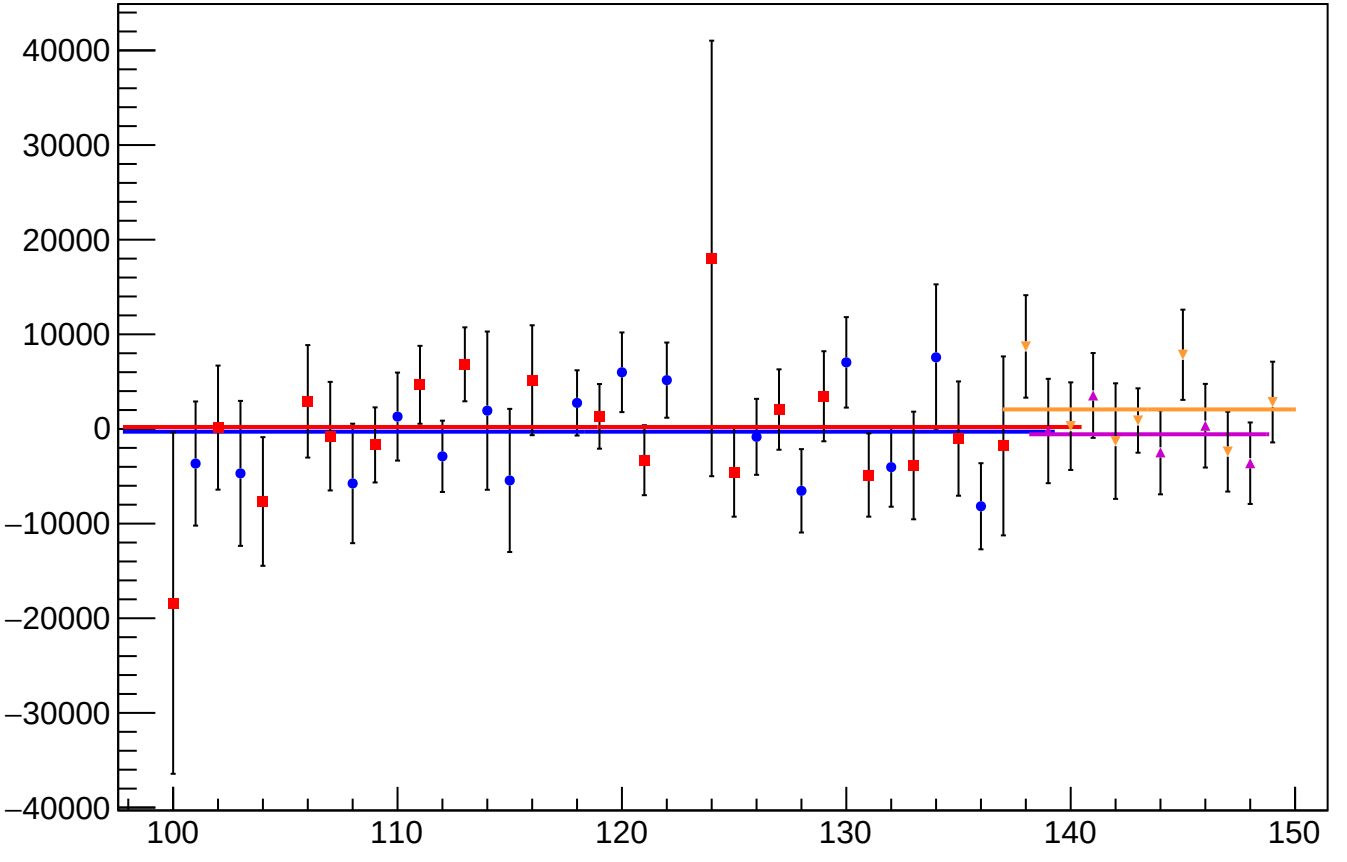
Left In: 4120.890+/-1.402 χ^2/NDF:53148.0/4

+ sign 2785.035+/-0.588 χ^2/NDF: 2613959.7/22

All: 2684.313+/-0.410 χ^2/NDF: 5702890.4/46

- 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: 2066.270+/-1692.281 χ^2/NDF:4.7/6

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

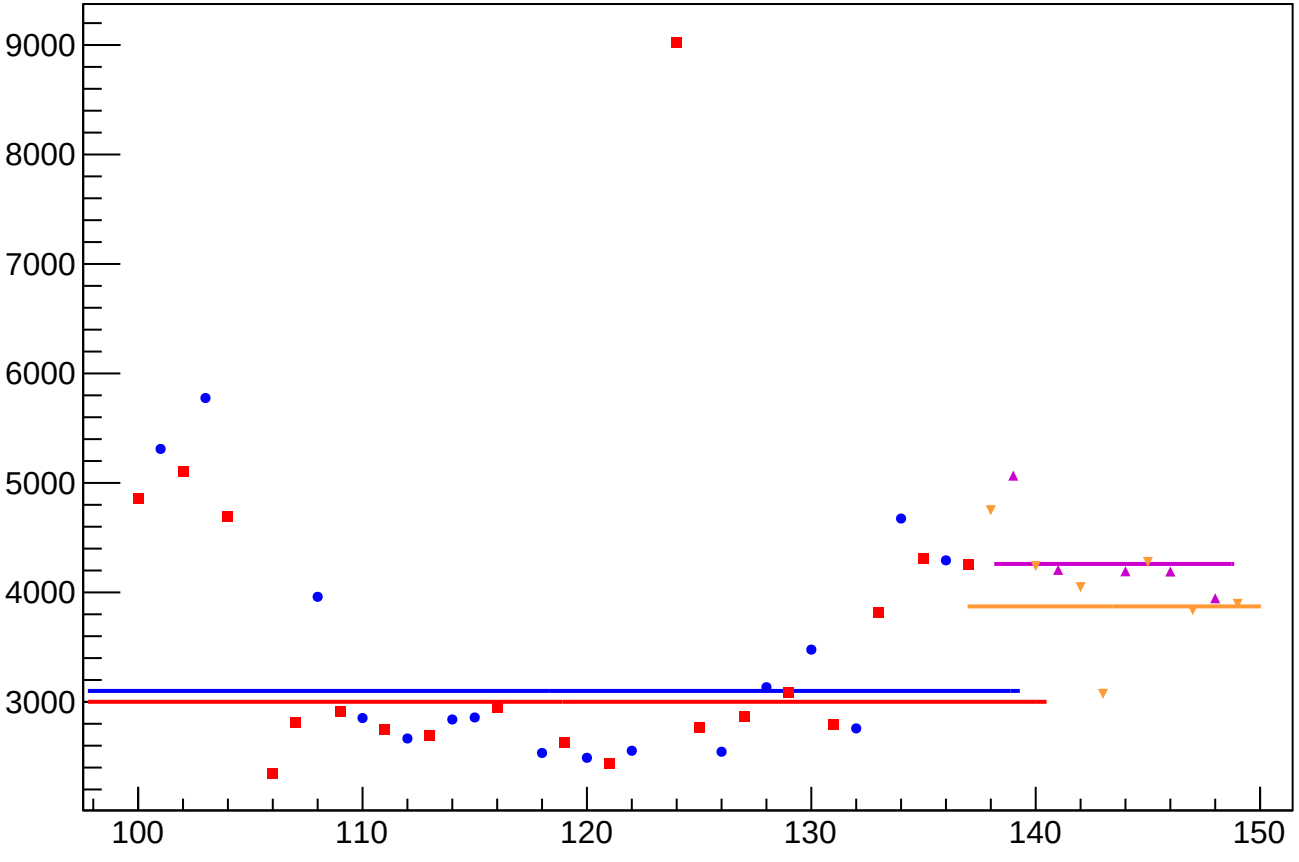
Left In: -560.482+/-2047.146 χ^2/NDF:1.6/4

+ sign 497.865+/-977.428 χ^2/NDF: 22.6/22

All: 267.482+/-700.727 χ^2/NDF: 37.2/46

- 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: 3872.223+/-1.197 χ^2/NDF:191964.0/6

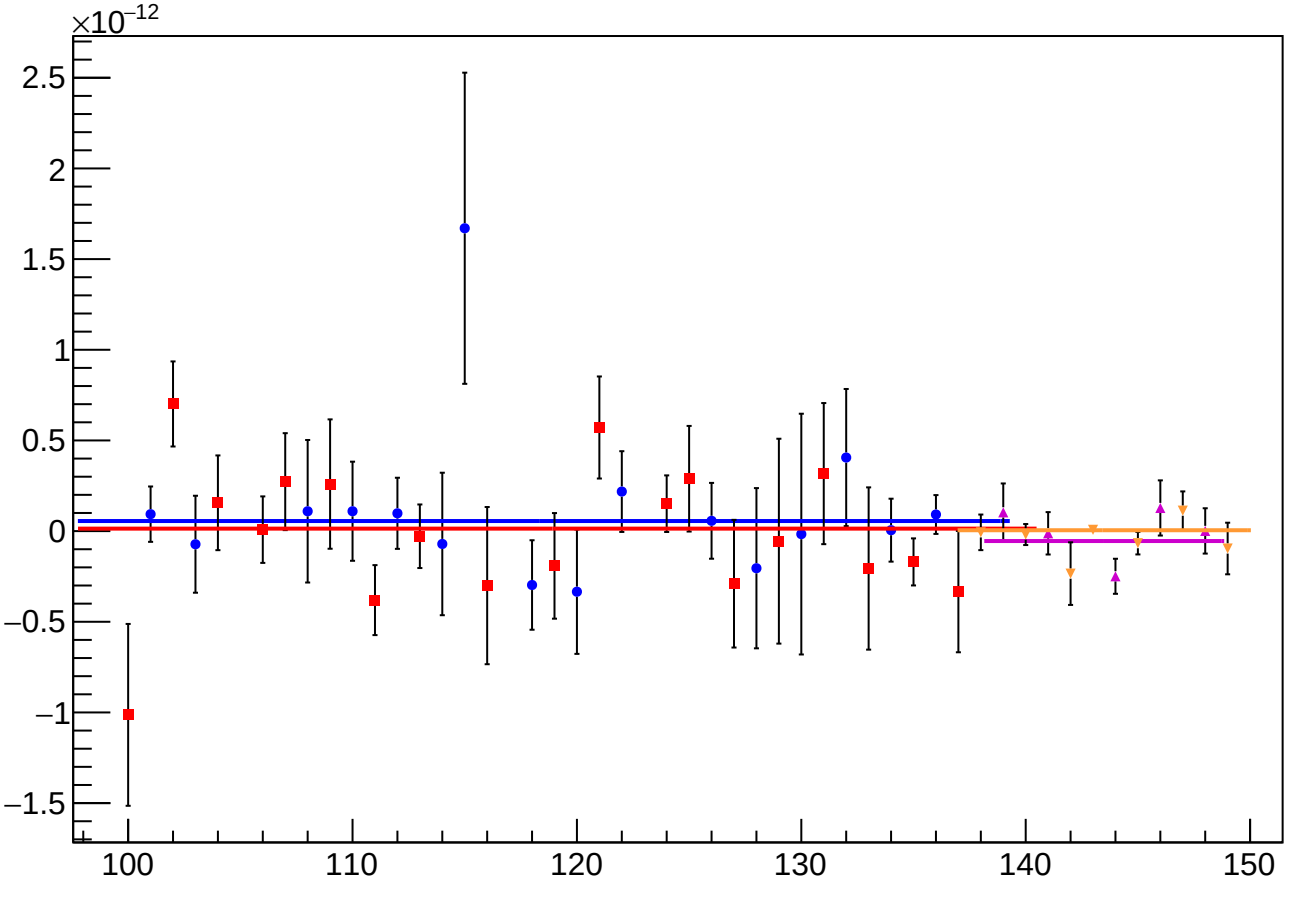
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4260.038+/-1.448 χ^2/NDF:54647.6/4

+ sign 3357.702+/-0.691 χ^2/NDF: 1433064.9/22

All: 3328.423+/-0.493 χ^2/NDF: 2876071.1/46

- 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:5.0/6

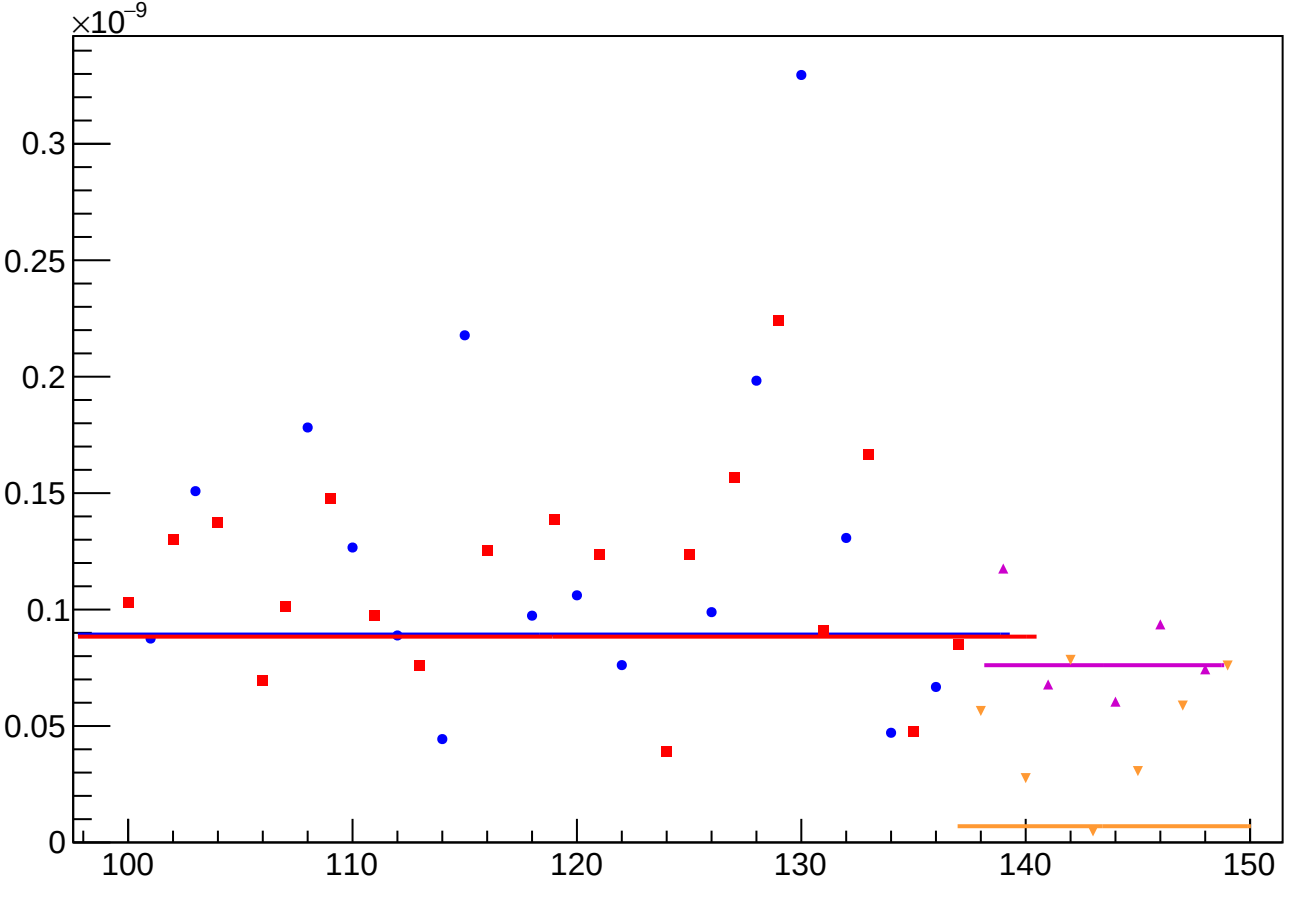
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 15.2/22

All: 0.000+/-0.000 χ^2/NDF: 53.2/46

- 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:2467262.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

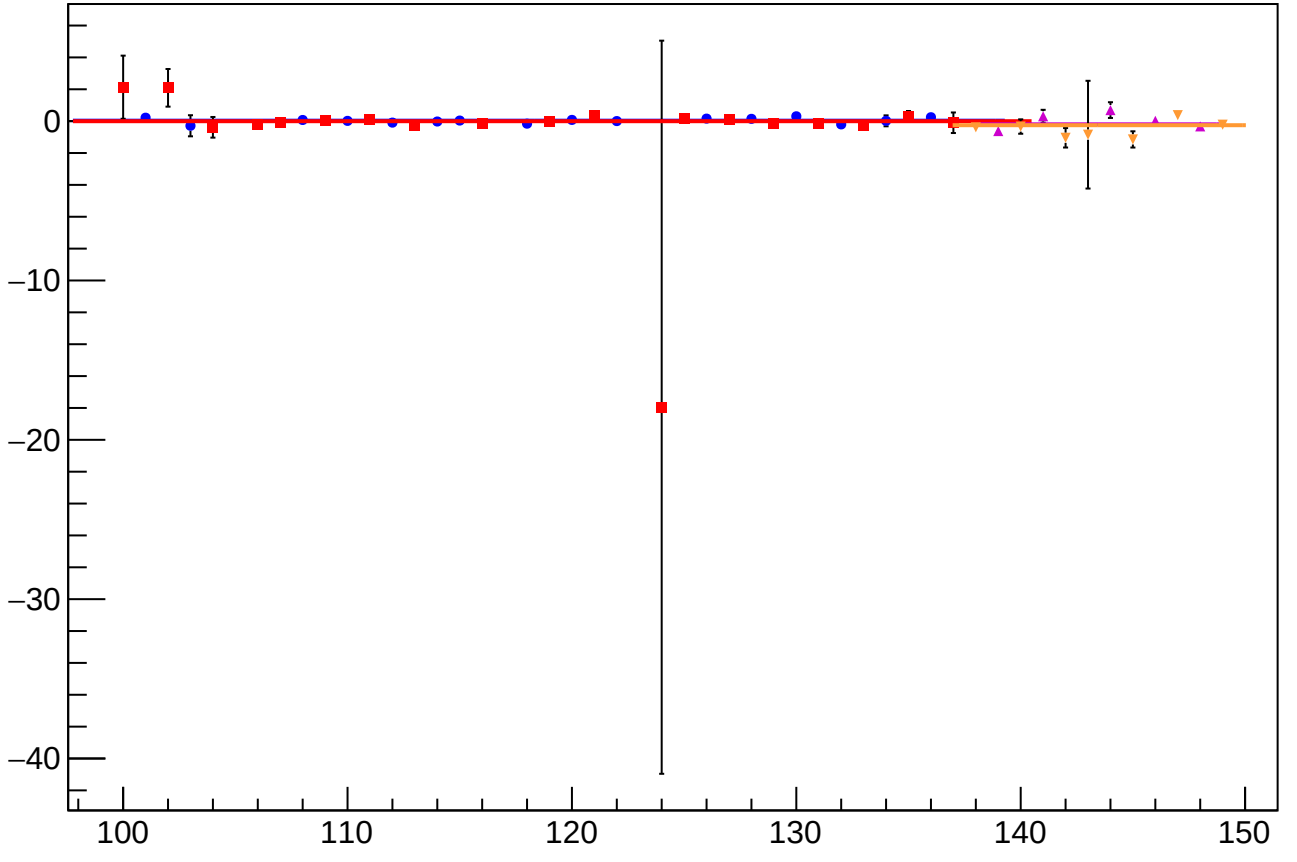
Left In: 0.000+/-0.000 χ^2/NDF:225276.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 7565596.0/22

All: 0.000+/-0.000 χ^2/NDF: 15511752.8/46

- 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: -0.255+/-0.148 χ^2/NDF:9.6/6

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

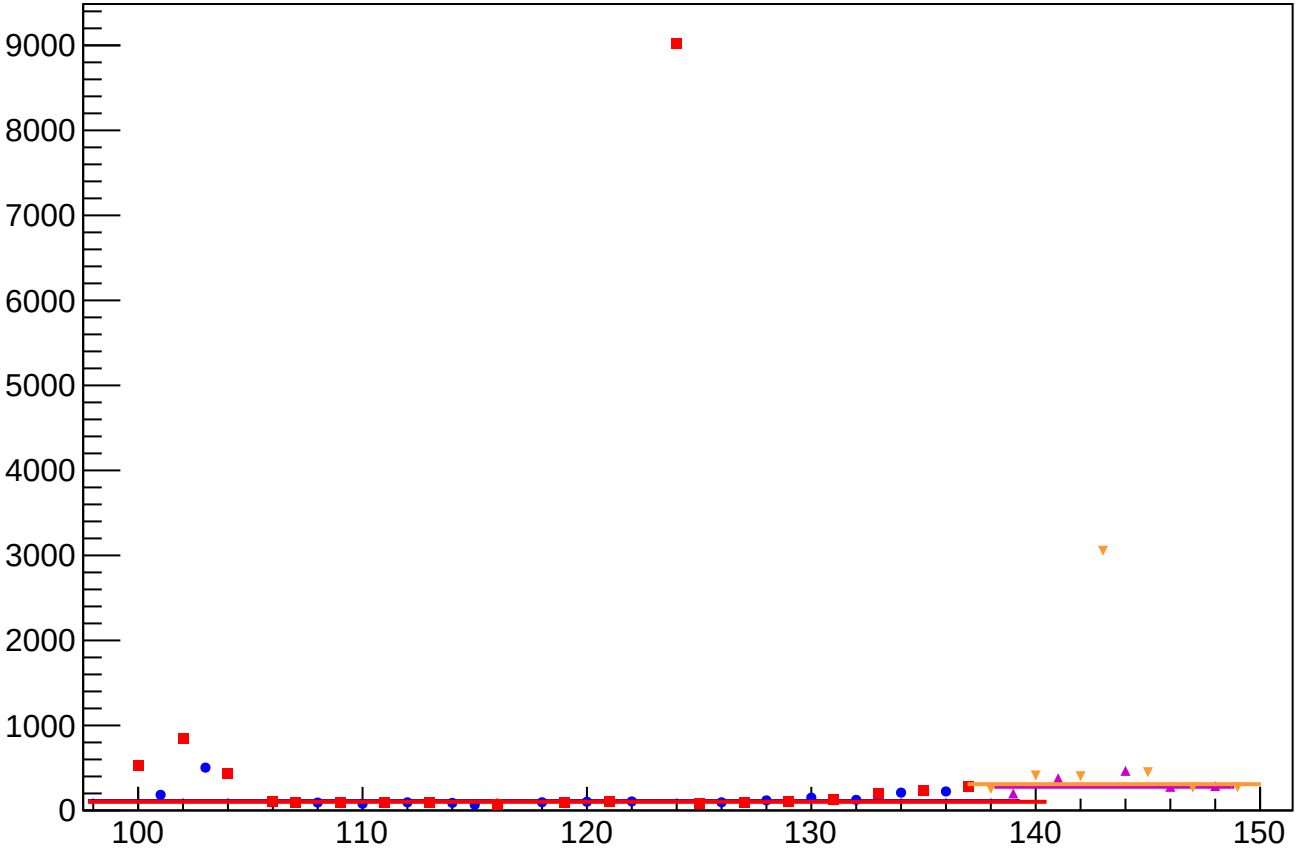
Left In: -0.199+/-0.142 χ^2/NDF:8.9/4

+ sign 0.004+/-0.043 χ^2/NDF: 21.8/22

All: -0.009+/-0.030 χ^2/NDF: 54.9/46

- 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: 309.302+/-0.105 χ^2/NDF:1759125.0/6

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

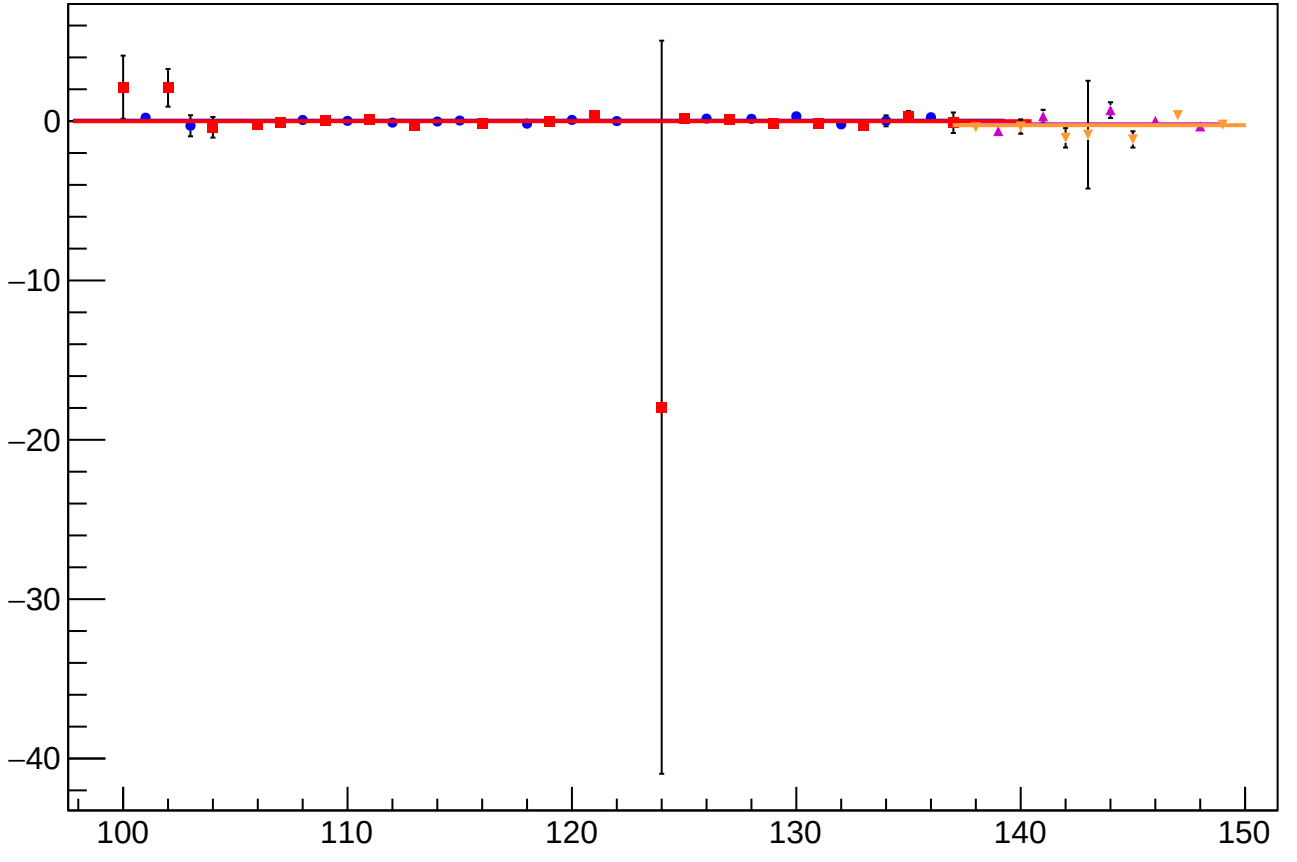
Left In: 278.973+/-0.100 χ^2/NDF:640903.5/4

+ sign 127.103+/-0.031 χ^2/NDF: 7014148.9/22

All: 121.862+/-0.021 χ^2/NDF: 13164538.5/46

- 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: -0.255+/-0.148 χ^2/NDF:9.6/6

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

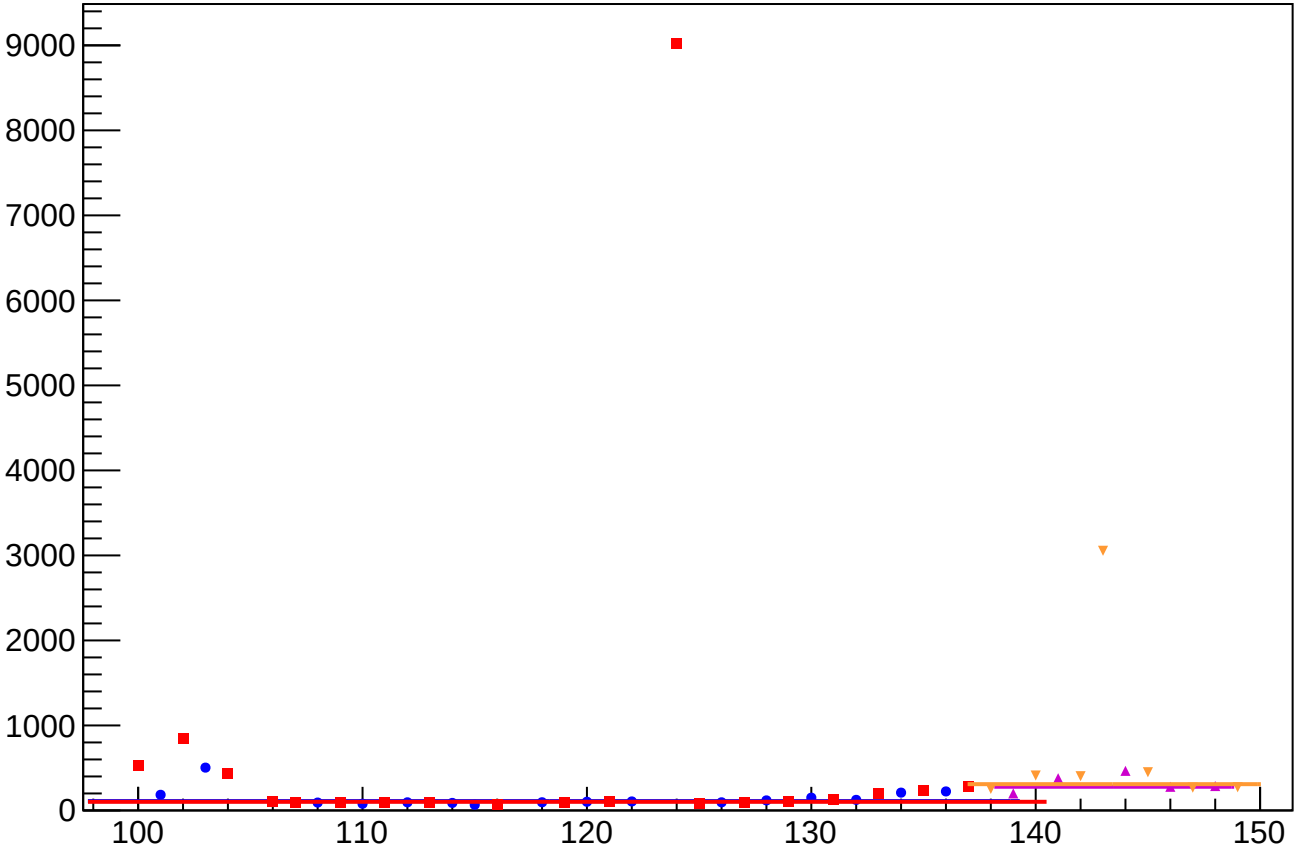
Left In: -0.199+/-0.142 χ^2/NDF:8.9/4

+ sign 0.004+/-0.043 χ^2/NDF: 21.8/22

All: -0.009+/-0.030 χ^2/NDF: 54.9/46

- 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: 309.302+/-0.105 χ^2/NDF:1759125.0/6

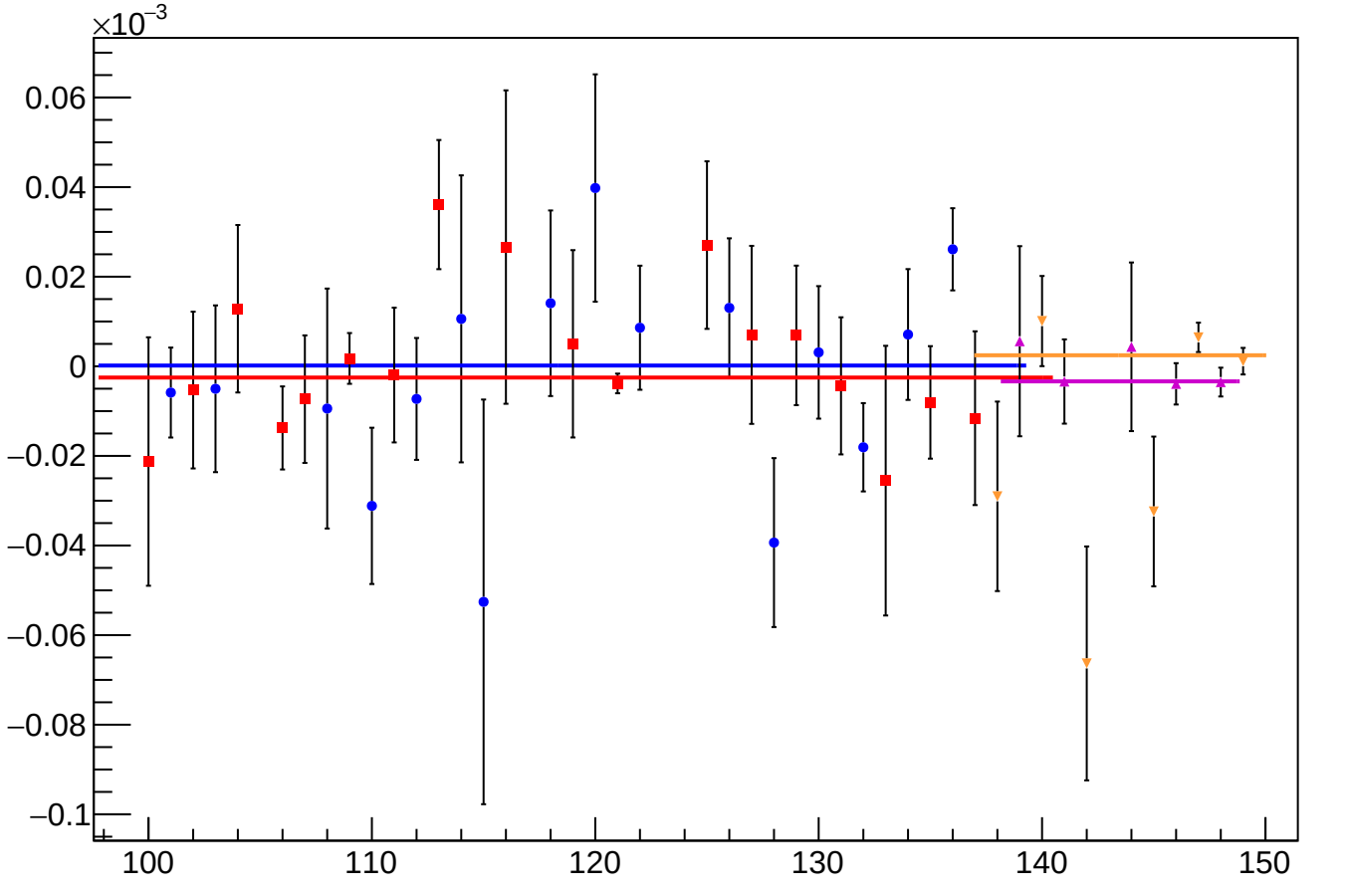
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 278.973+/-0.100 χ^2/NDF:640903.5/4

+ sign 127.103+/-0.031 χ^2/NDF: 7014148.9/22

All: 121.862+/-0.021 χ^2/NDF: 13164538.5/46

- 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:15.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

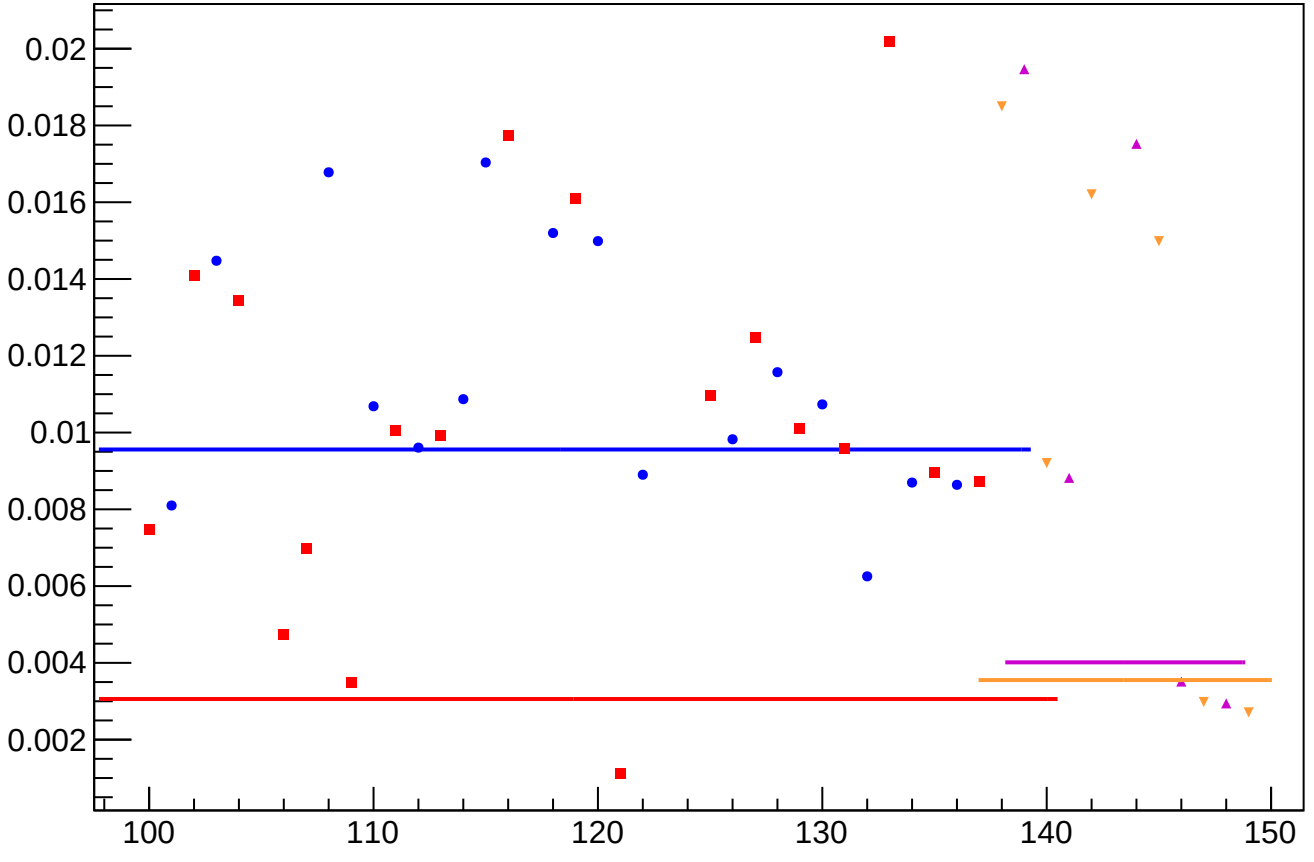
Left In: -0.000+/-0.000 χ^2/NDF:0.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 41.6/21

All: -0.000+/-0.000 χ^2/NDF: 61.9/44

- 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:3257231.3/5

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

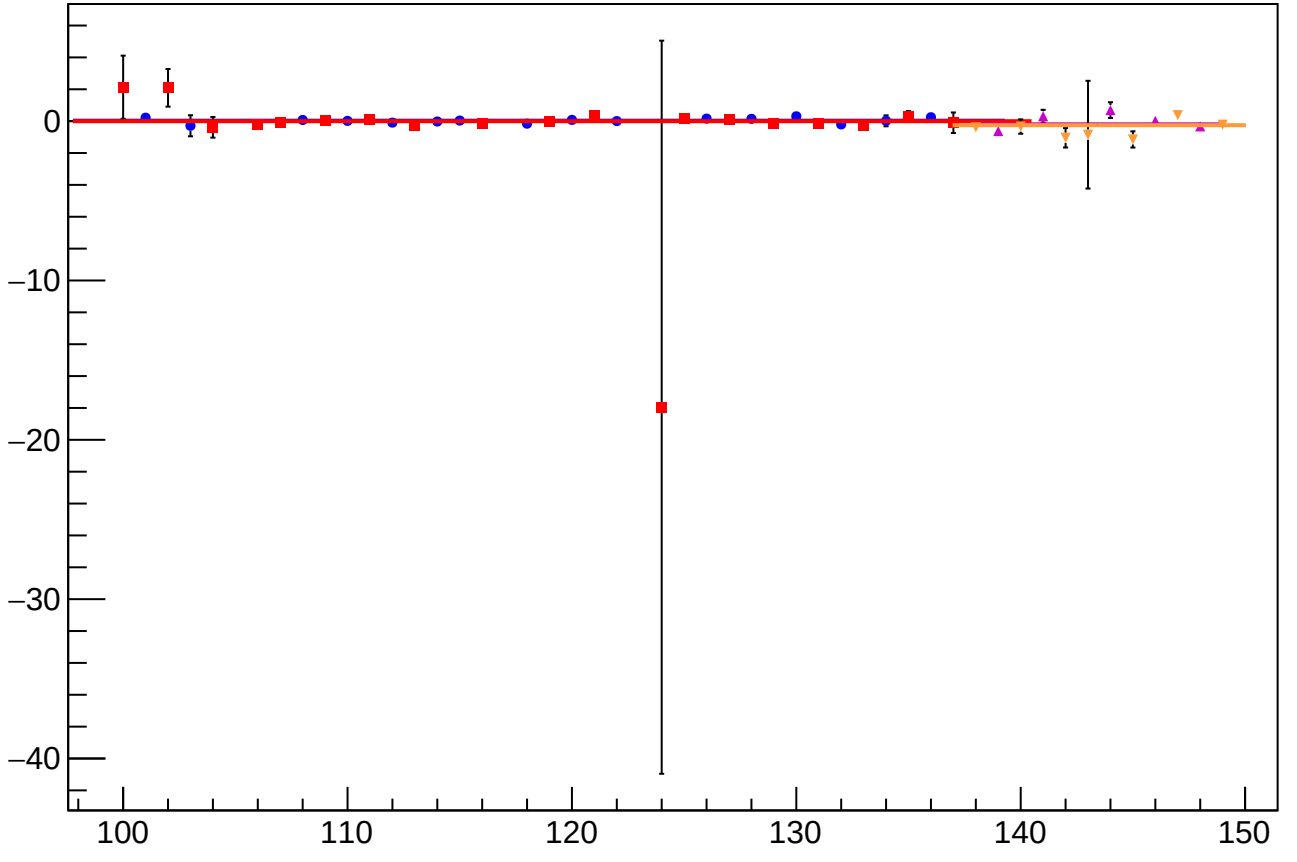
Left In: 0.004+/-0.000 χ^2/NDF:2858039.7/4

+ sign 0.005+/-0.000 χ^2/NDF: 8107874.4/21

All: 0.004+/-0.000 χ^2/NDF: 20223669.5/44

- sign 0.003+/-0.000 χ^2/NDF: 11170567.7/22

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.255+/-0.148 χ^2/NDF:9.6/6

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

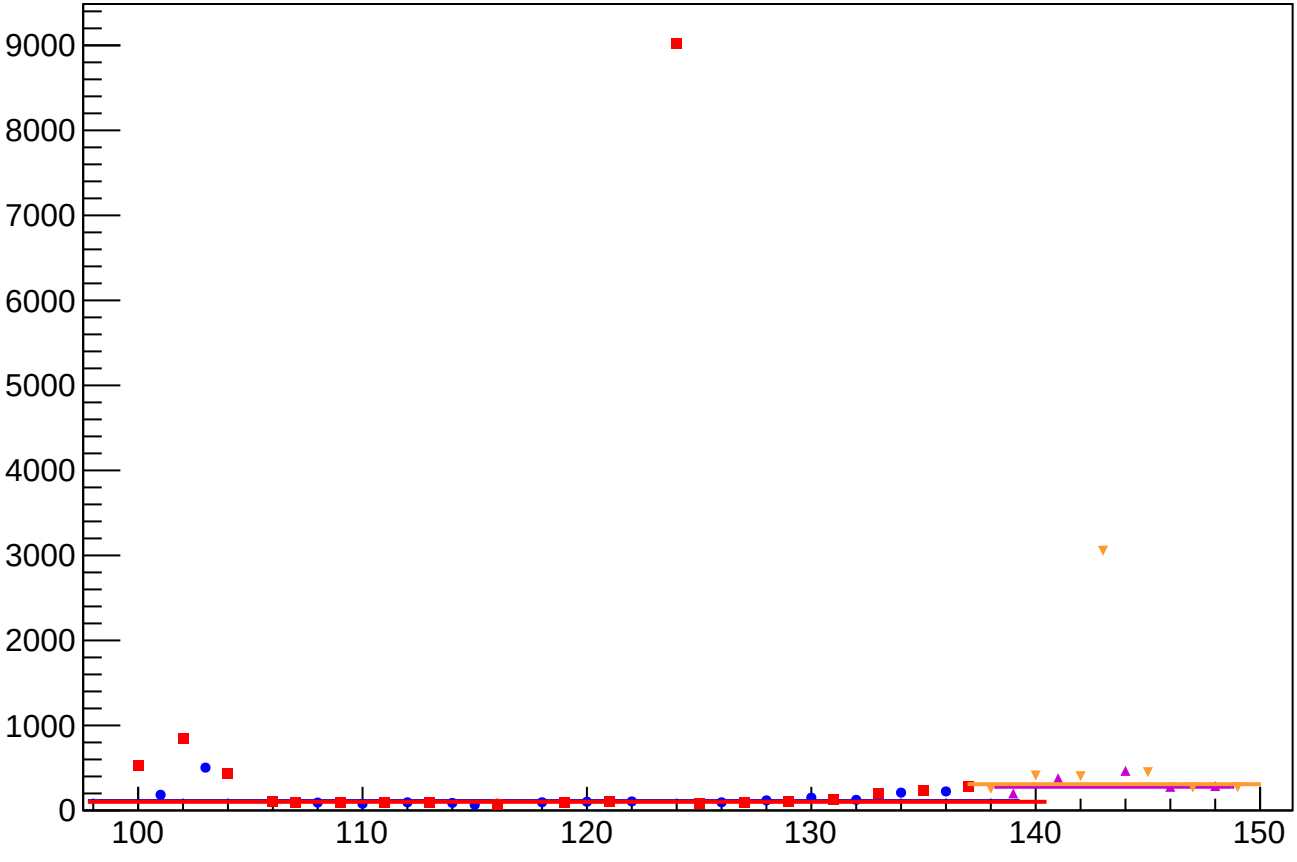
Left In: -0.199+/-0.142 χ^2/NDF:8.9/4

+ sign 0.004+/-0.043 χ^2/NDF: 21.8/22

All: -0.009+/-0.030 χ^2/NDF: 54.9/46

- 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: 309.303+/-0.105 χ^2/NDF:1759151.1/6

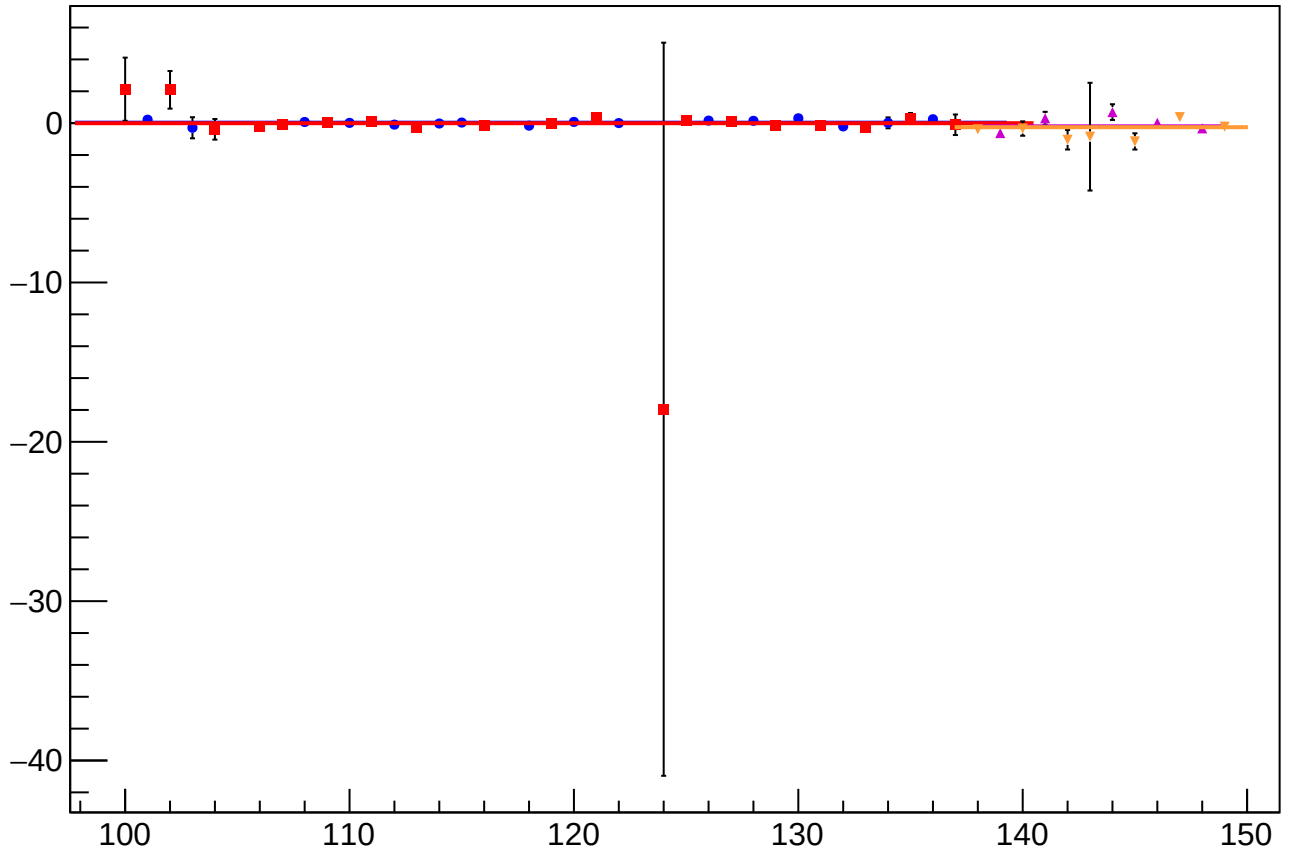
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 278.977+/-0.100 χ^2/NDF:640876.4/4

+ sign 127.104+/-0.031 χ^2/NDF: 7014091.5/22

All: 121.863+/-0.021 χ^2/NDF: 13164392.6/46

- 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: -0.255+/-0.148 χ^2/NDF:9.6/6

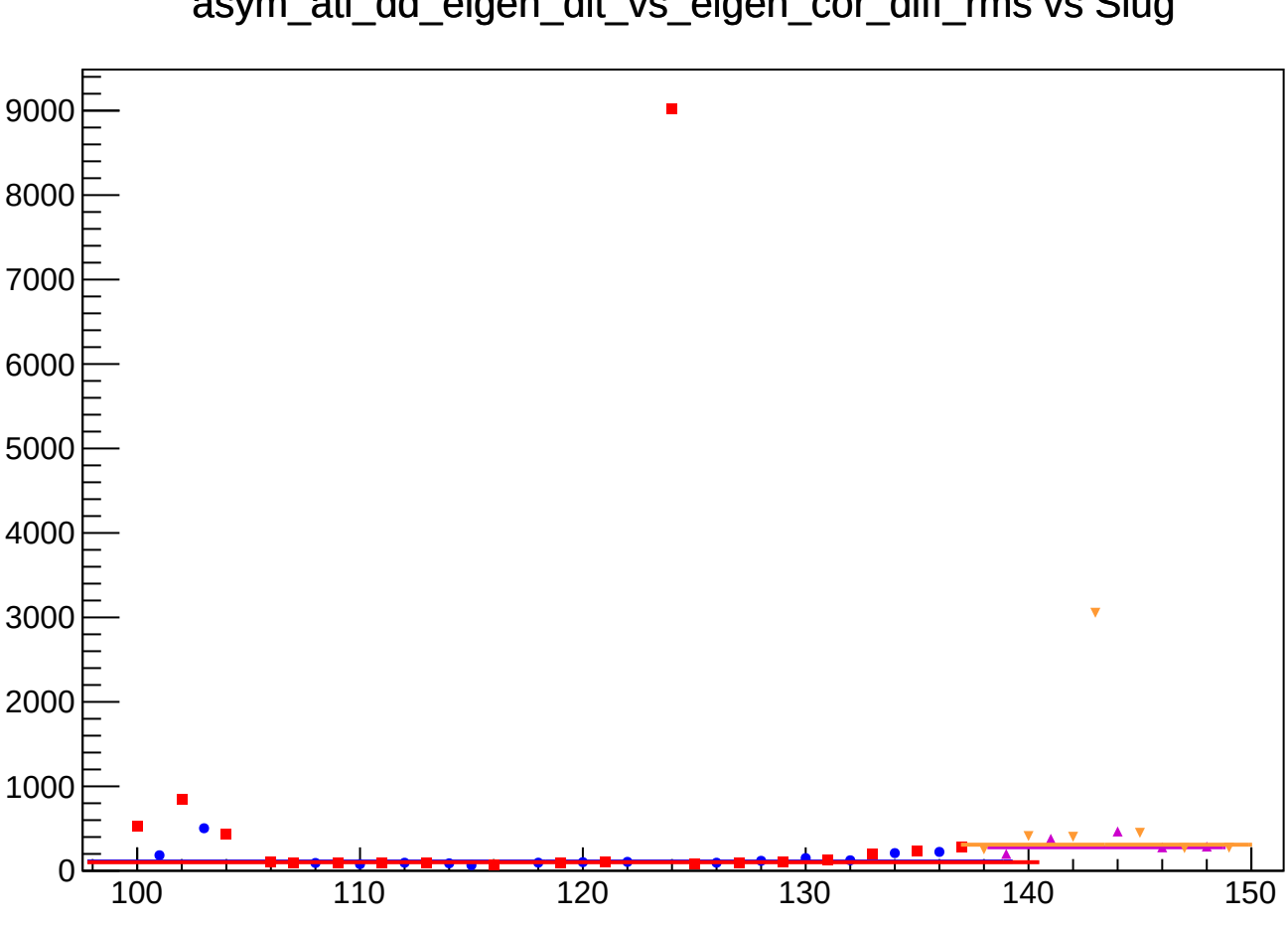
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.199+/-0.142 χ^2/NDF:8.9/4

+ sign 0.004+/-0.043 χ^2/NDF: 21.8/22

All: -0.009+/-0.030 χ^2/NDF: 54.9/46

- sign -0.020+/-0.041 χ^2/NDF: 33.0/23



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 309.303+/-0.105 χ^2/NDF:1759151.1/6

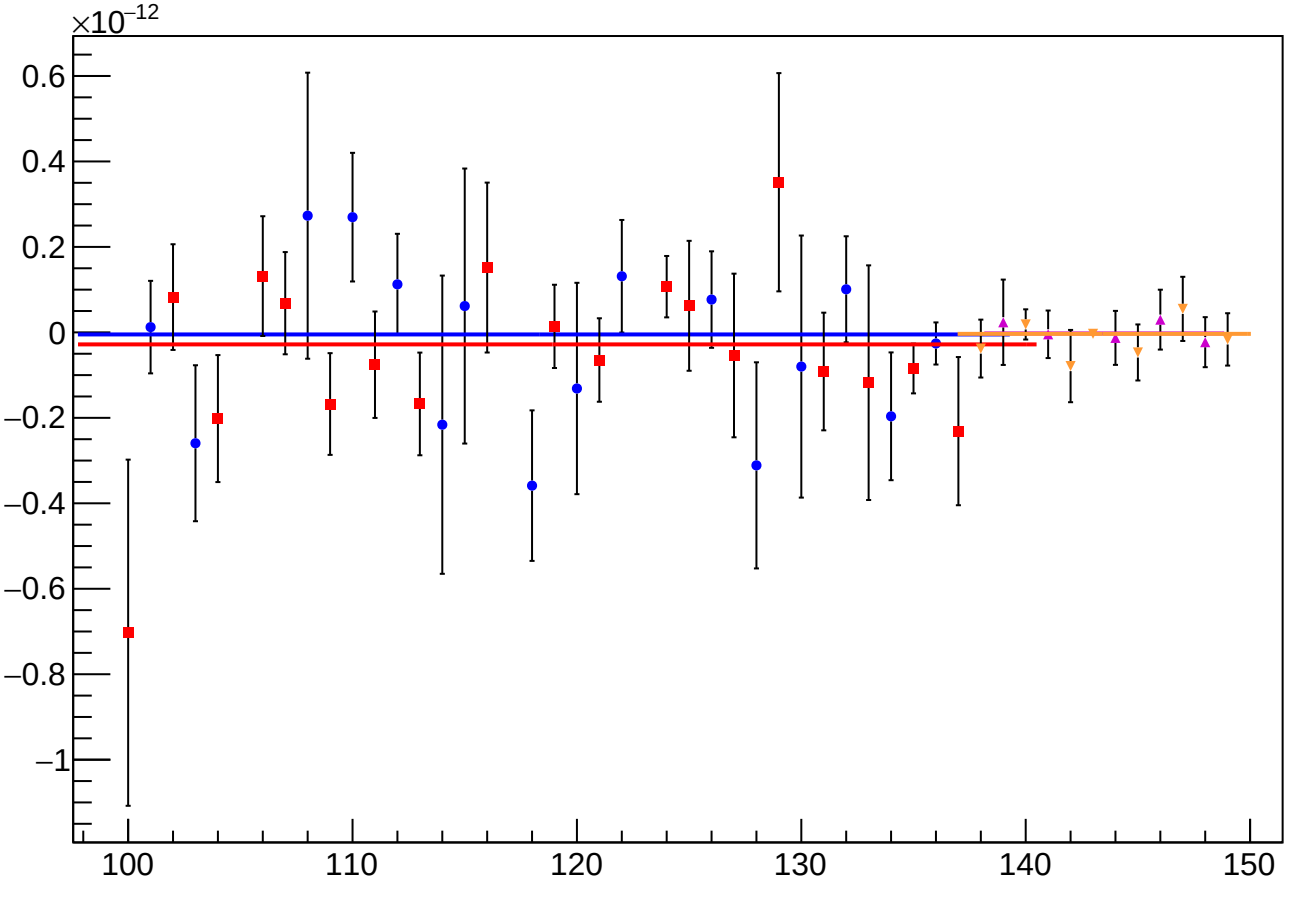
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 278.977+/-0.100 χ^2/NDF:640876.4/4

+ sign 127.104+/-0.031 χ^2/NDF: 7014091.5/22

All: 121.863+/-0.021 χ^2/NDF: 13164392.6/46

- 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:2.5/6

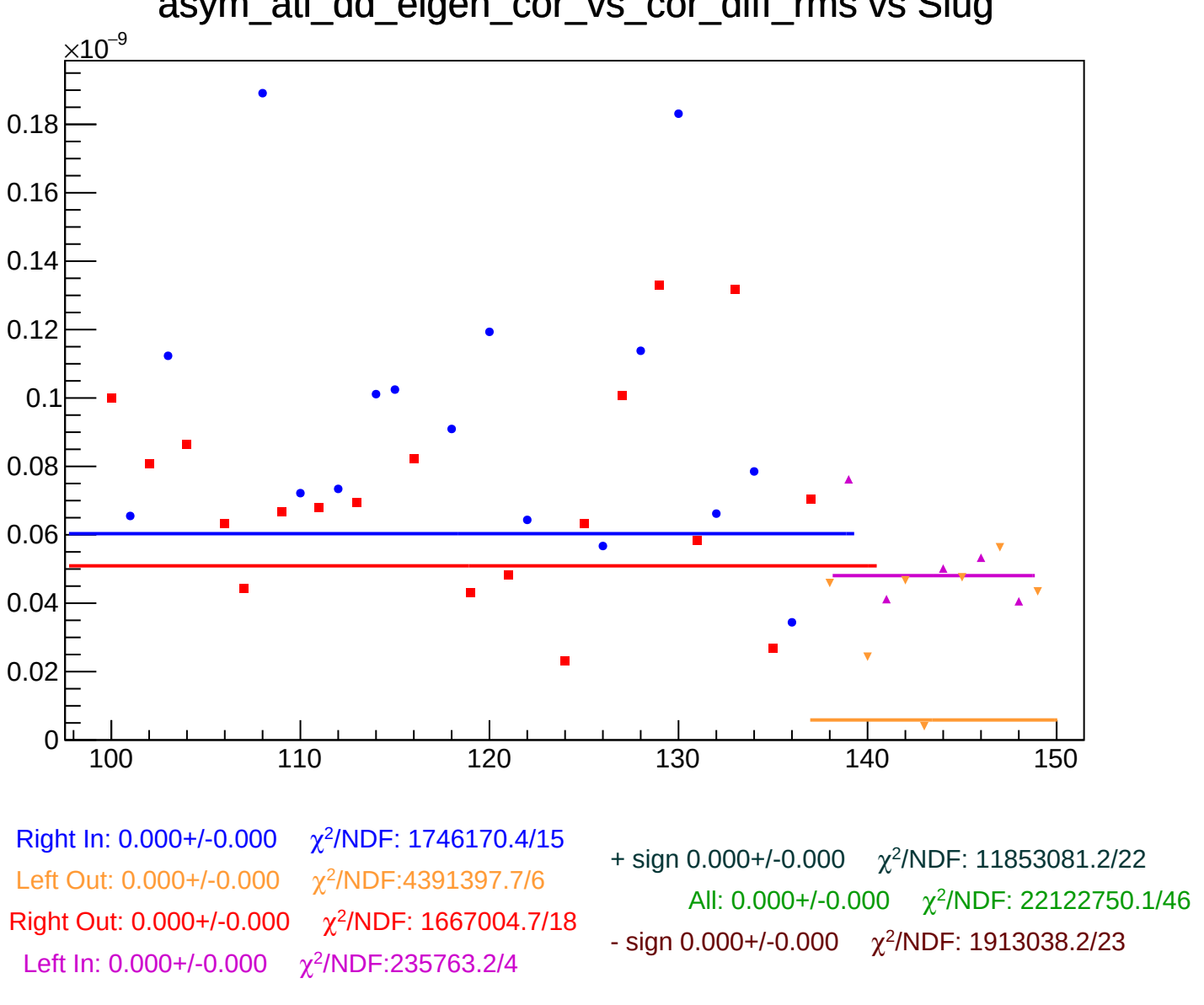
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/4

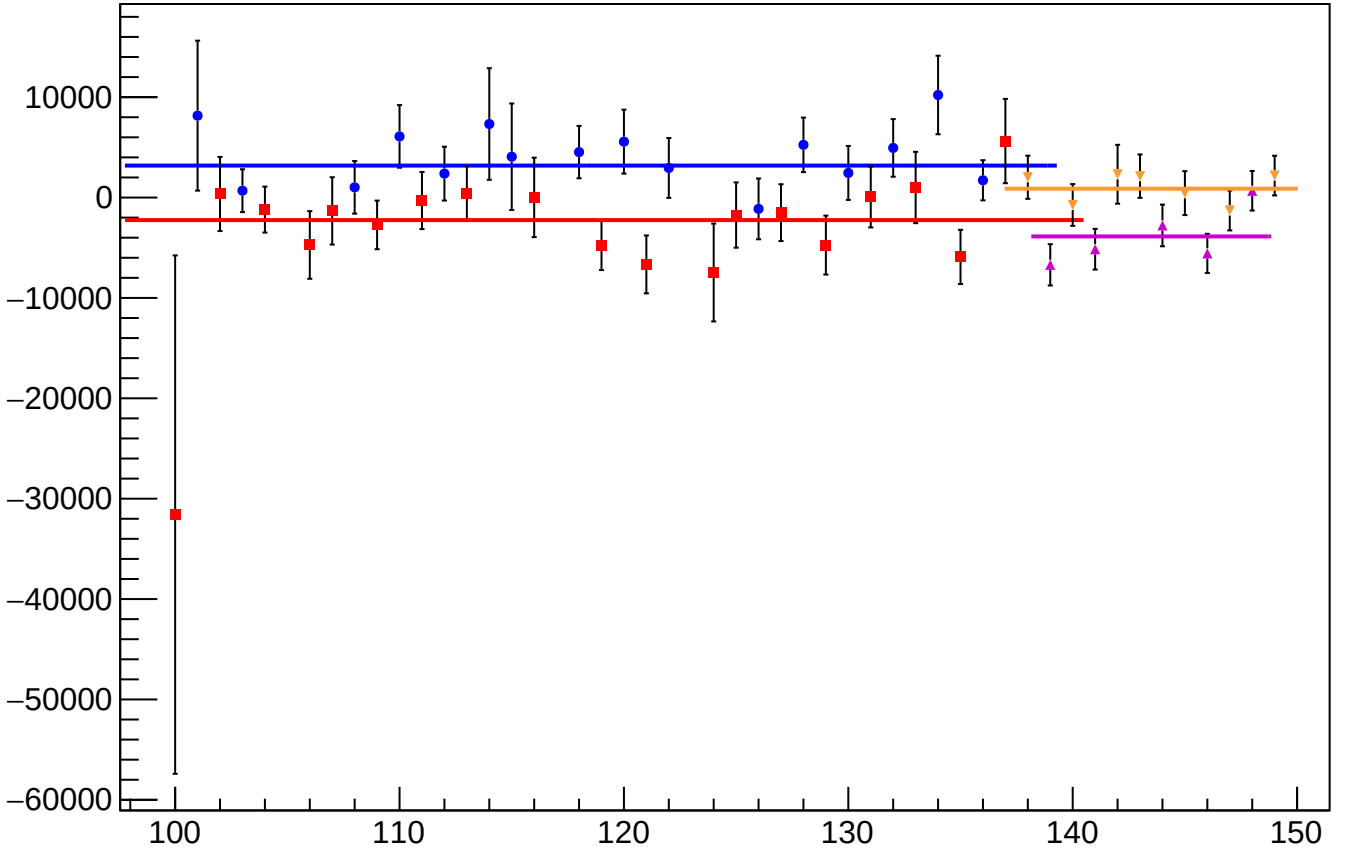
+ sign -0.000+/-0.000 χ^2/NDF: 20.0/22

All: -0.000+/-0.000 χ^2/NDF: 40.9/46

- 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:4391397.7/6
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: 11853081.2/22
All: 0.000+/-0.000 χ²/NDF: 22122750.1/46
- 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: 880.680+/-817.542 χ^2/NDF:3.1/6

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

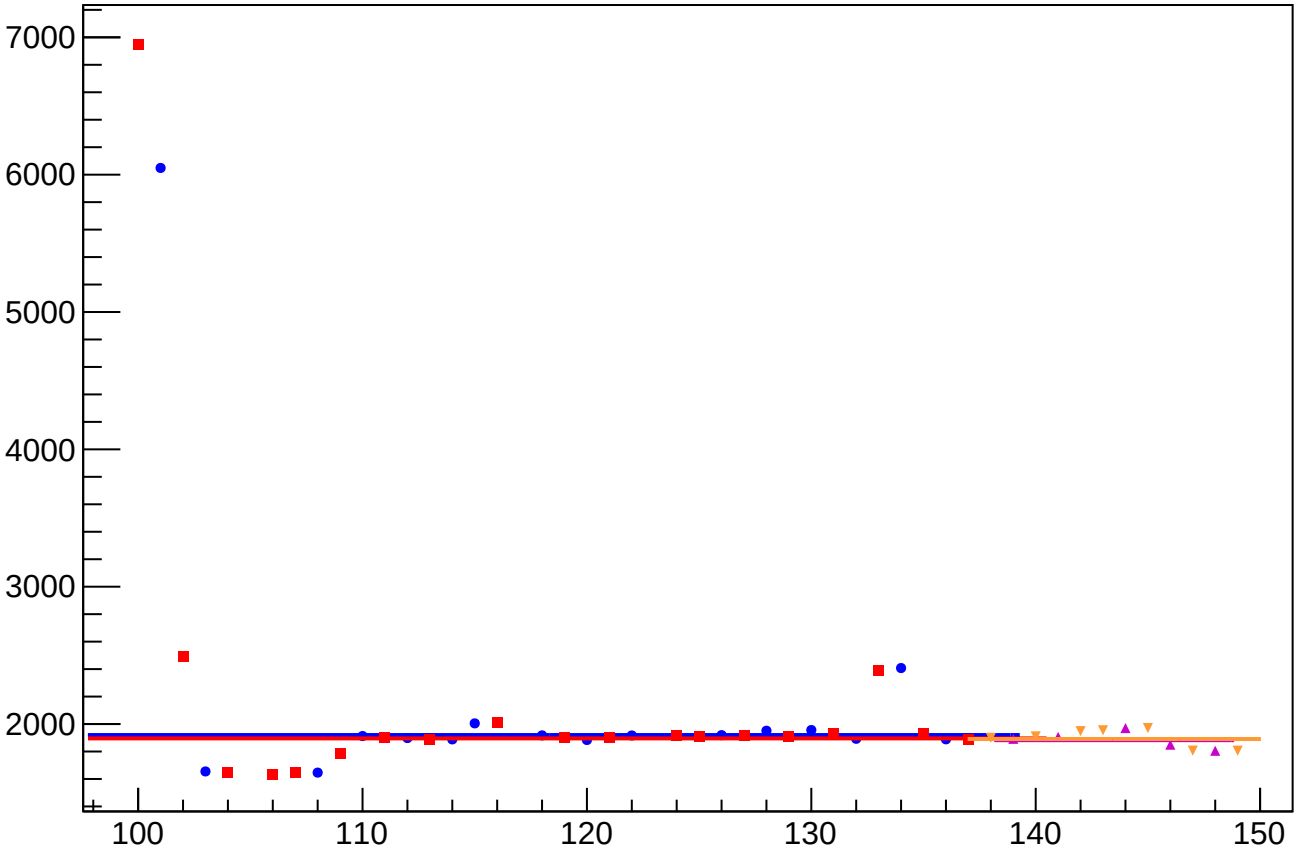
Left In: -3872.272+/-900.431 χ^2/NDF:8.7/4

+ sign 2160.292+/-544.987 χ^2/NDF: 19.2/22

All: -295.903+/-389.873 χ^2/NDF: 88.0/46

- 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: 1890.994+/-0.578 χ^2/NDF:12688.8/6

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

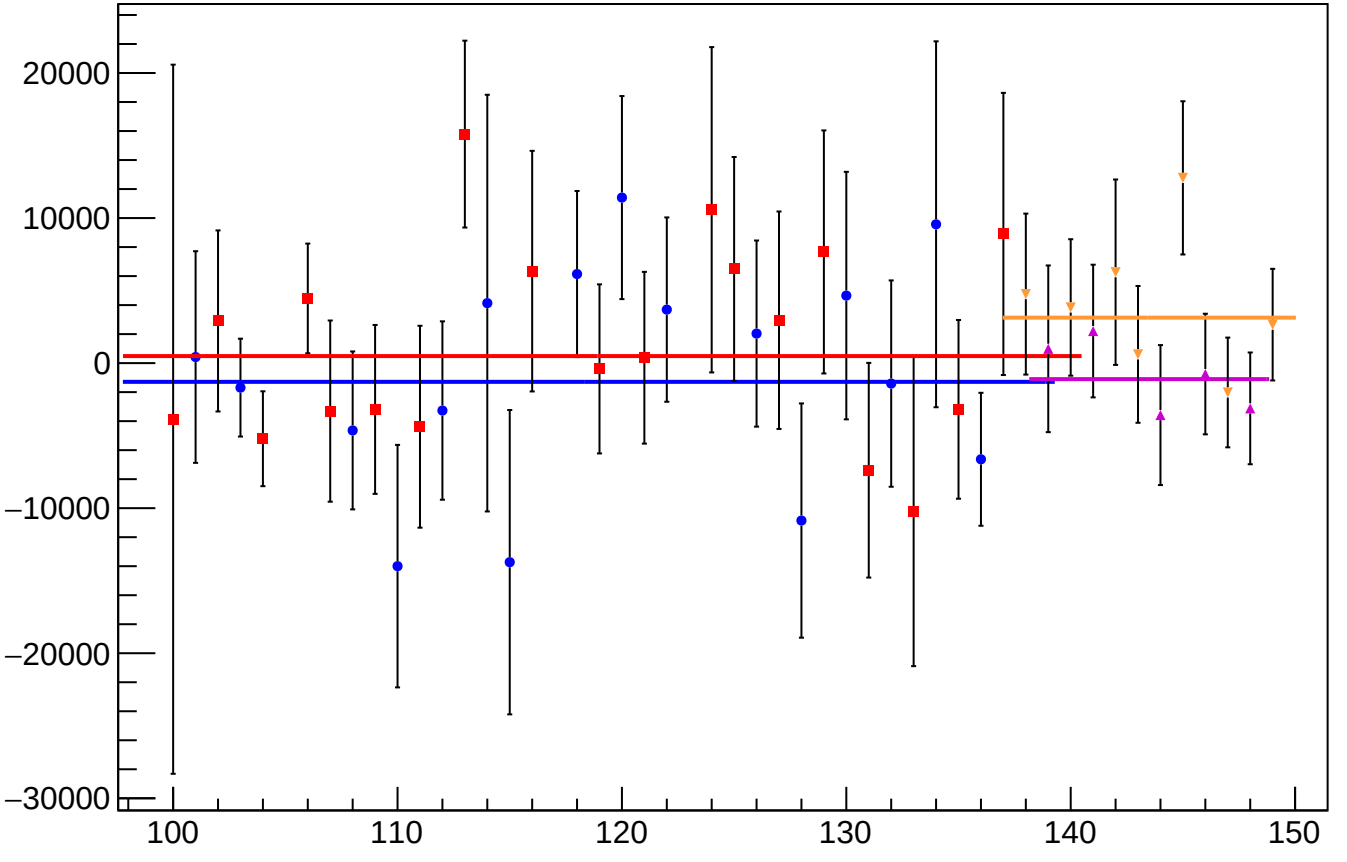
Left In: 1882.573+/-0.637 χ^2/NDF:7558.1/4

+ sign 1907.014+/-0.385 χ^2/NDF: 711402.5/22

All: 1898.920+/-0.275 χ^2/NDF: 942385.4/46

- 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: 3133.737+/-1766.659 χ^2/NDF:5.8/6

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

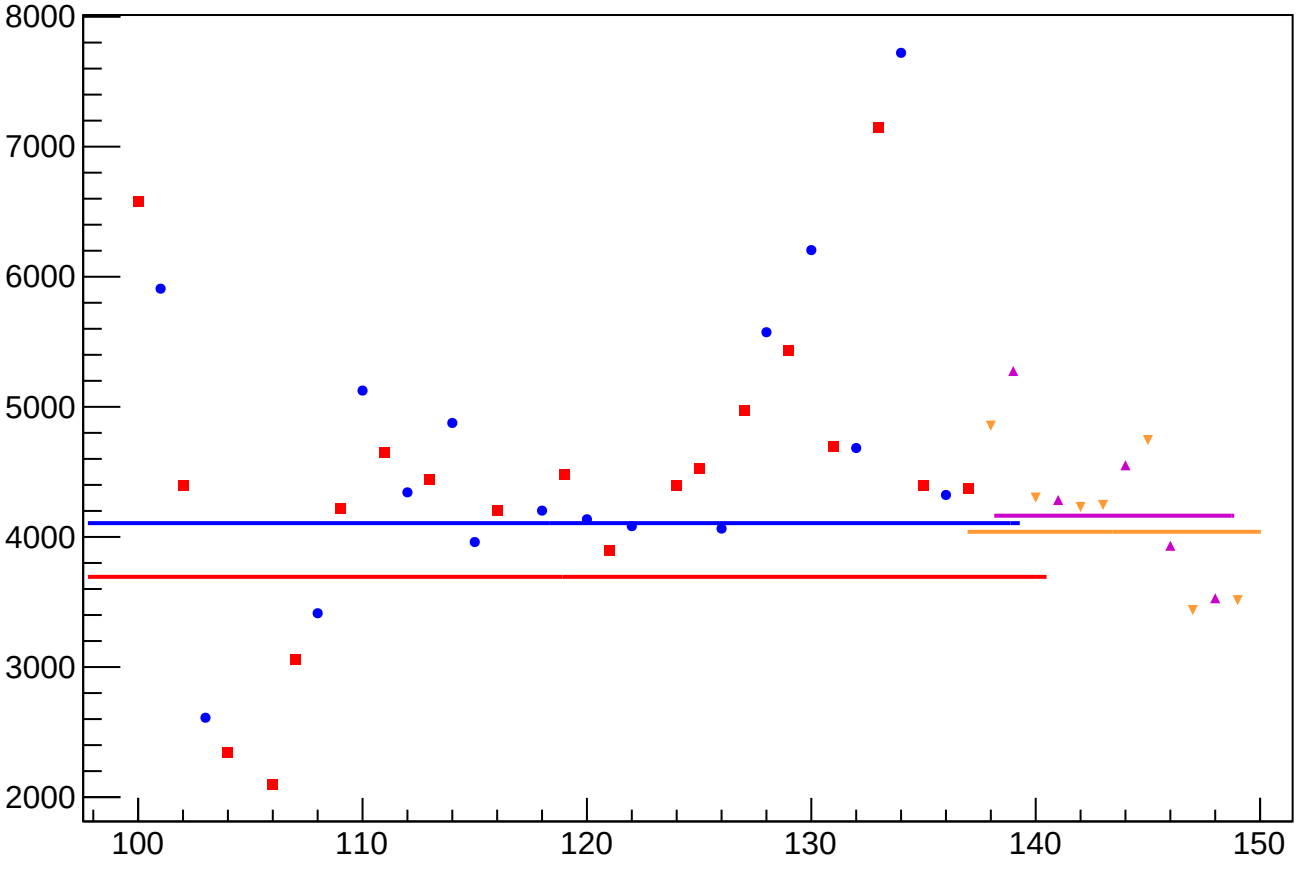
Left In: -1104.152+/-2015.020 χ^2/NDF:1.2/4

+ sign 683.127+/-1179.956 χ^2/NDF: 23.6/22

All: 313.109+/-830.890 χ^2/NDF: 42.6/46

- 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: 4039.704+/-1.249 χ^2/NDF:178603.5/6

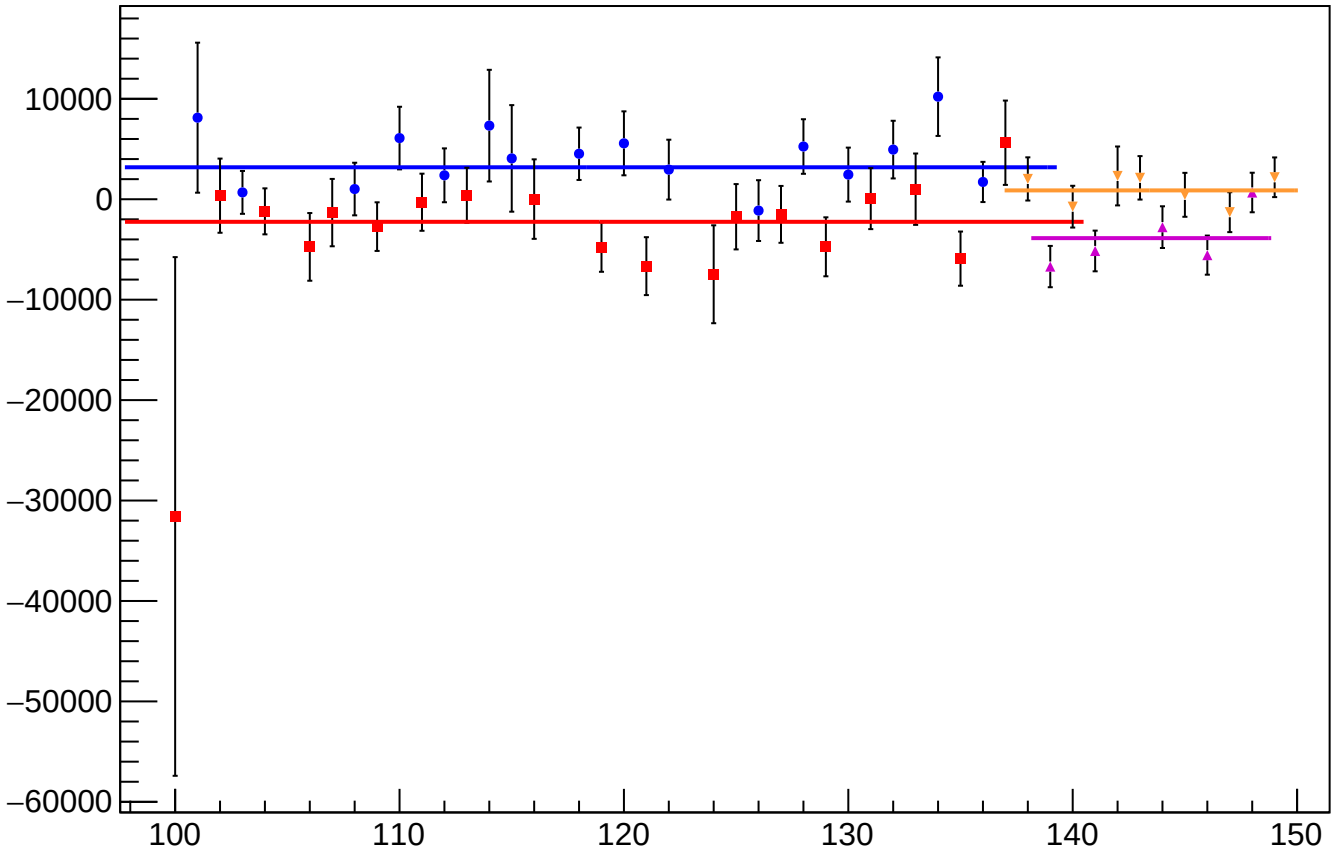
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4163.414+/-1.425 χ^2/NDF:149676.4/4

+ sign 4076.504+/-0.834 χ^2/NDF: 1136300.6/22

All: 3963.237+/-0.588 χ^2/NDF: 2751332.5/46

- sign 3851.832+/-0.827 χ^2/NDF: 1578476.5/23



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 880.622+/-817.542 χ^2/NDF:3.1/6

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

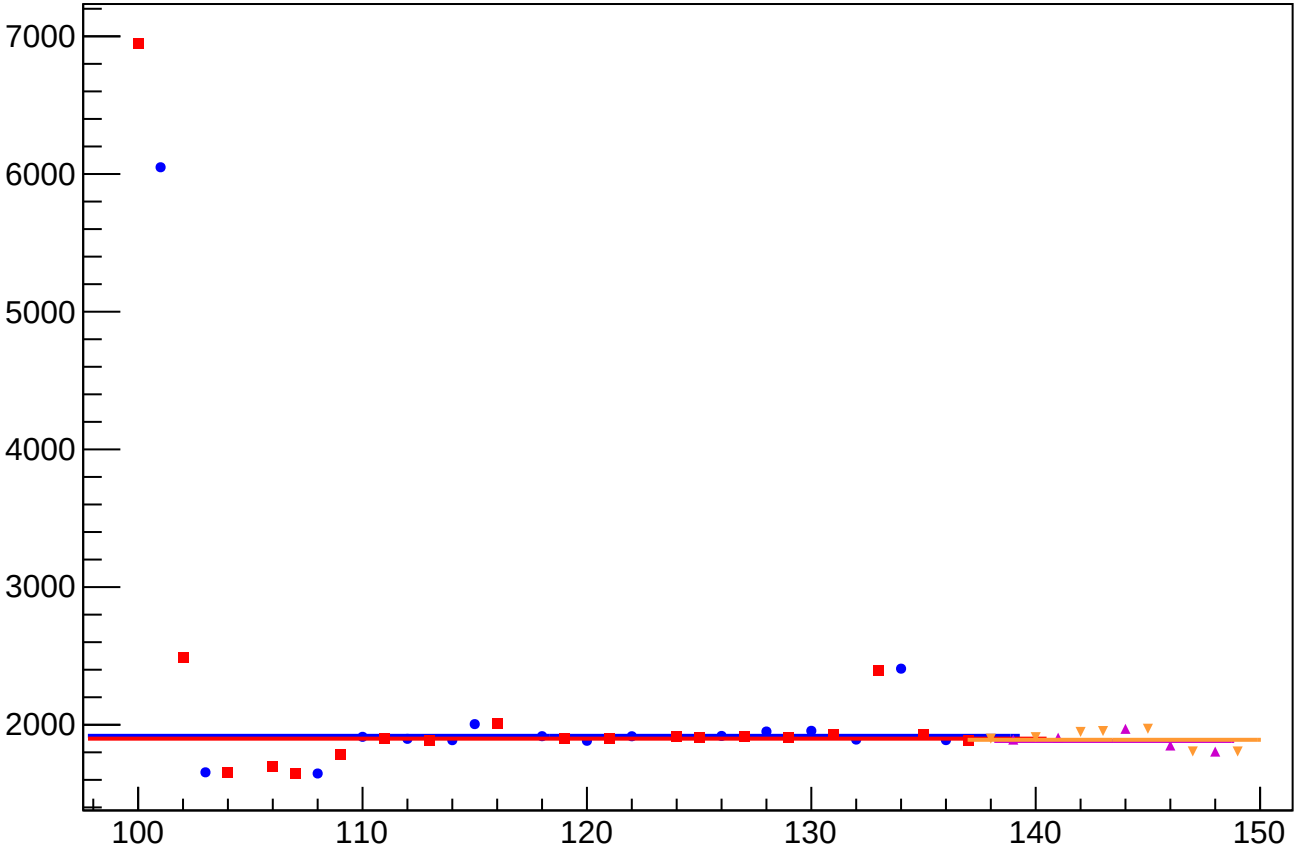
Left In: -3872.562+/-900.431 χ^2/NDF:8.7/4

+ sign 2159.859+/-544.987 χ^2/NDF: 19.2/22

All: -296.514+/-389.873 χ^2/NDF: 88.0/46

- 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: 1890.994+/-0.578 χ^2/NDF:12688.8/6

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

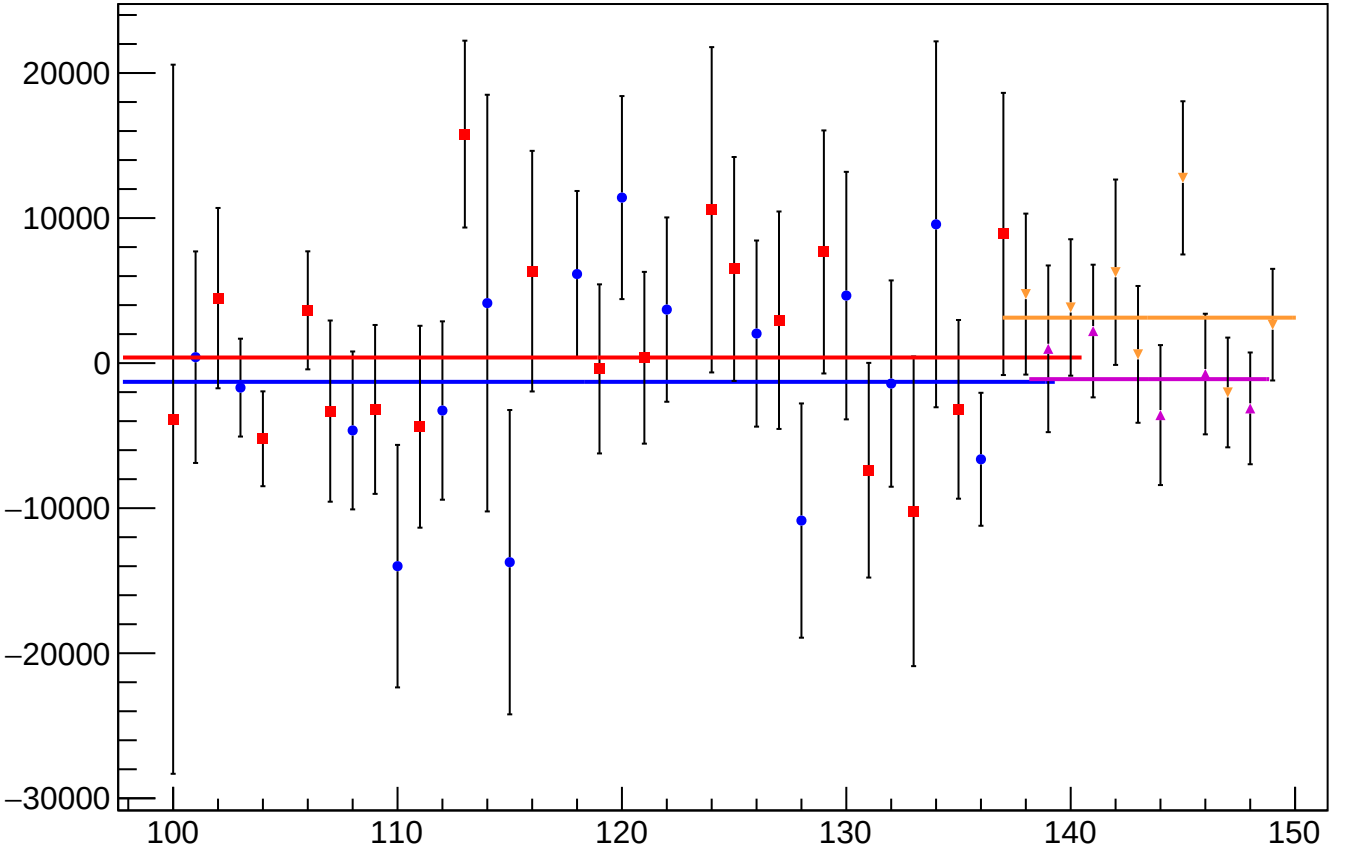
Left In: 1882.573+/-0.637 χ^2/NDF:7558.1/4

+ sign 1907.015+/-0.385 χ^2/NDF: 711401.6/22

All: 1900.131+/-0.276 χ^2/NDF: 935695.8/46

- 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: 3133.707+/-1766.651 χ^2/NDF:5.8/6

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

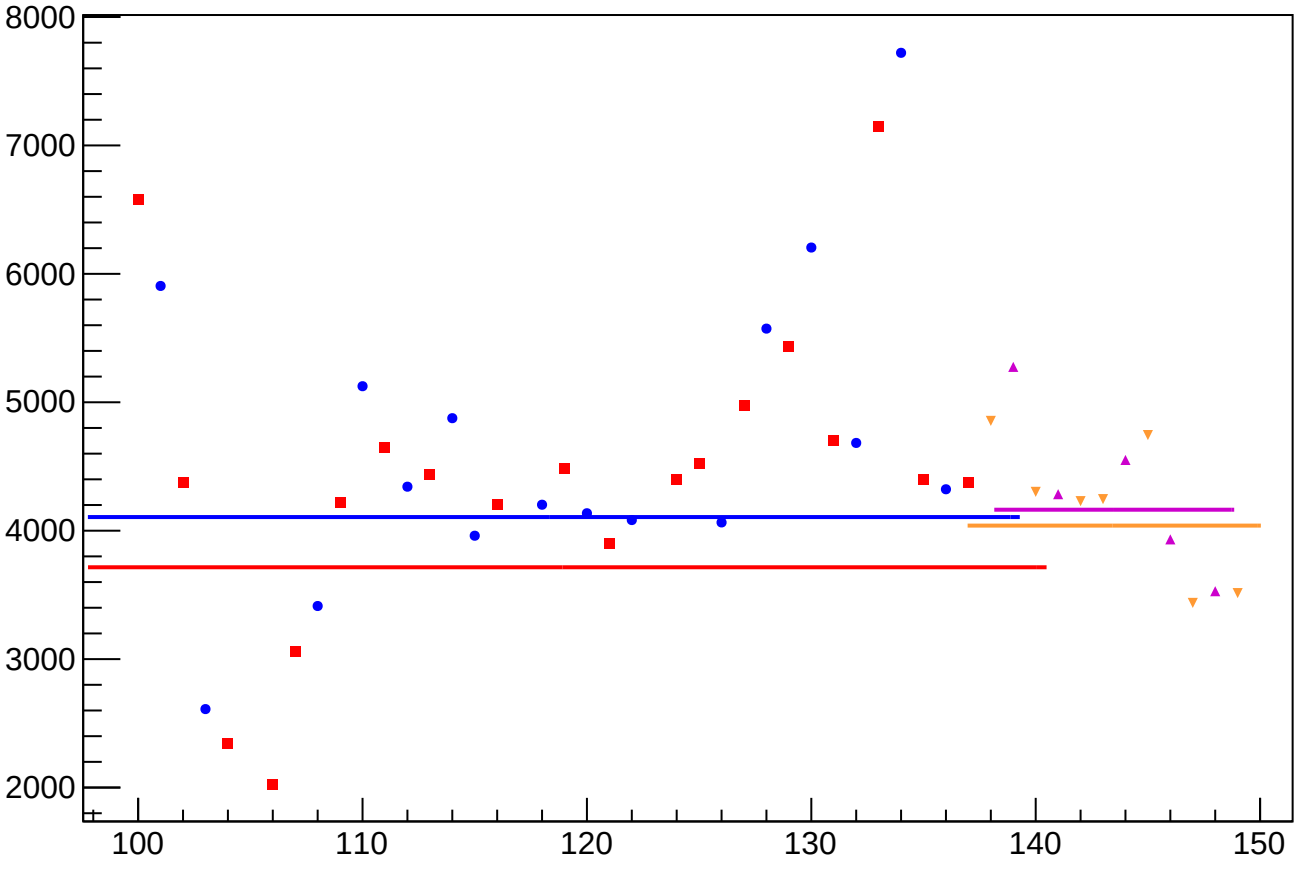
Left In: -1104.142+/-2015.021 χ^2/NDF:1.2/4

+ sign 682.924+/-1179.955 χ^2/NDF: 23.6/22

All: 279.710+/-833.580 χ^2/NDF: 42.4/46

- 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: 4039.684+/-1.249 χ^2/NDF:178604.2/6

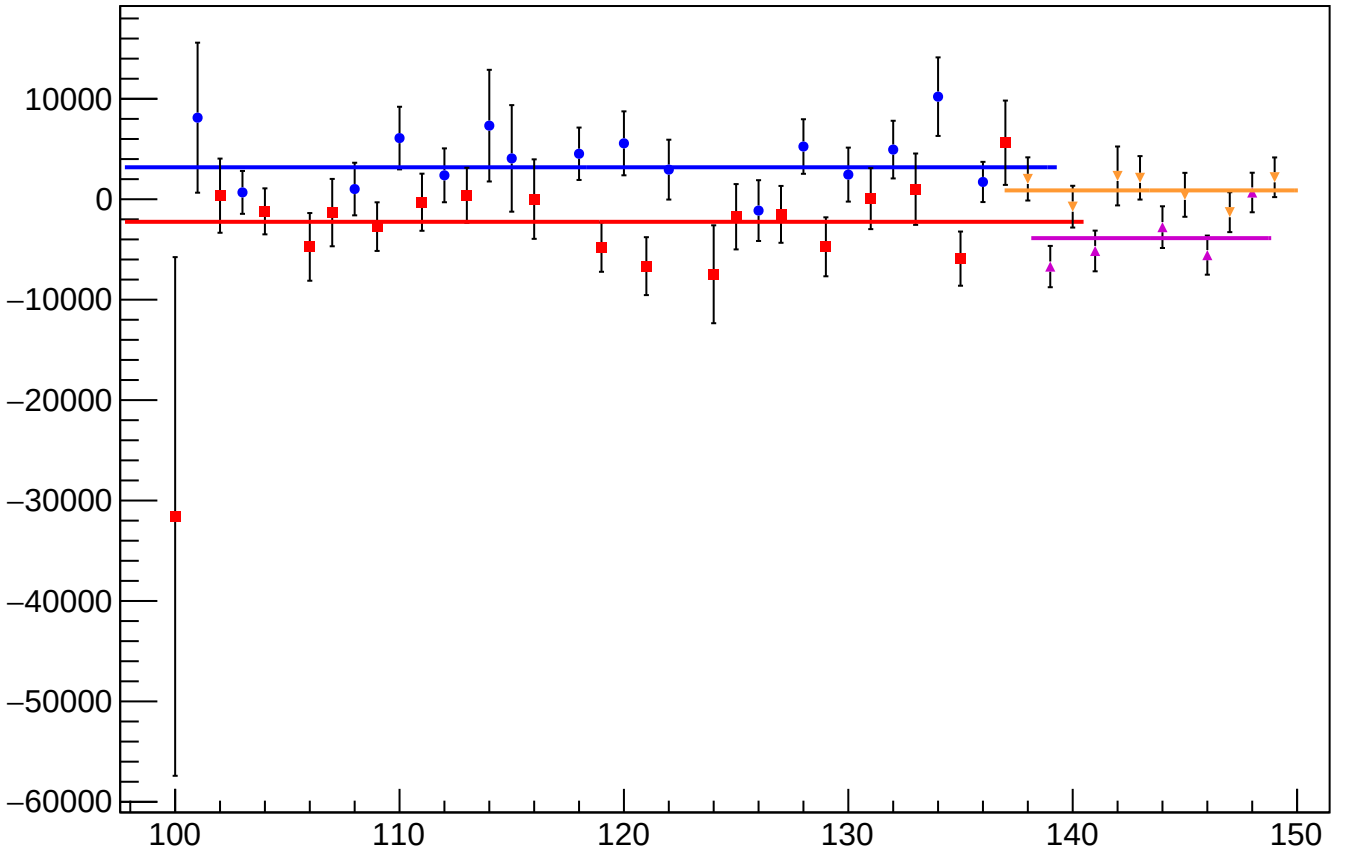
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4163.414+/-1.425 χ^2/NDF:149679.5/4

+ sign 4076.546+/-0.834 χ^2/NDF: 1135807.4/22

All: 3972.243+/-0.589 χ^2/NDF: 2716933.5/46

- sign 3868.327+/-0.833 χ^2/NDF: 1549928.8/23



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 880.622+/-817.542 χ^2/NDF:3.1/6

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

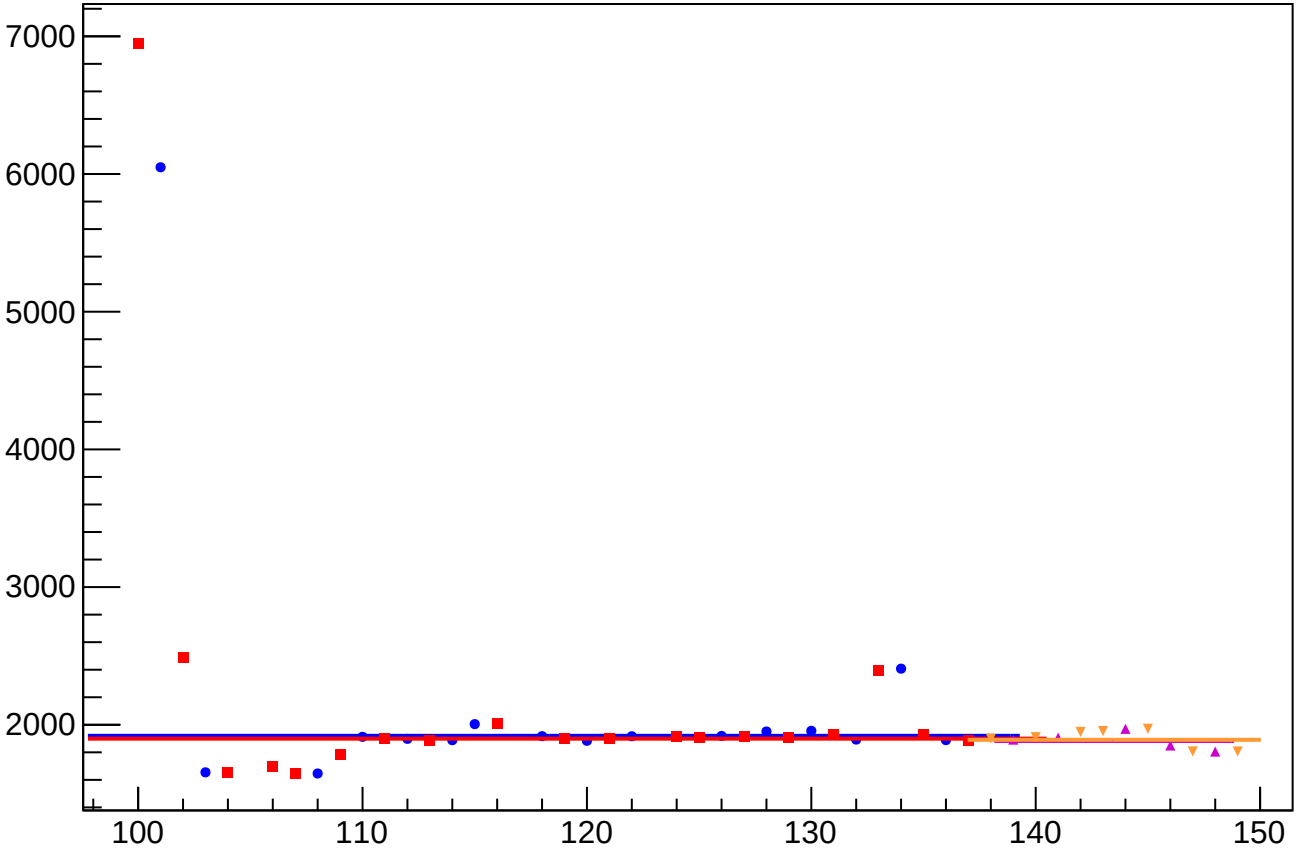
Left In: -3872.562+/-900.431 χ^2/NDF:8.7/4

+ sign 2159.859+/-544.987 χ^2/NDF: 19.2/22

All: -296.514+/-389.873 χ^2/NDF: 88.0/46

- 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: 1890.994+/-0.578 χ^2/NDF:12688.8/6

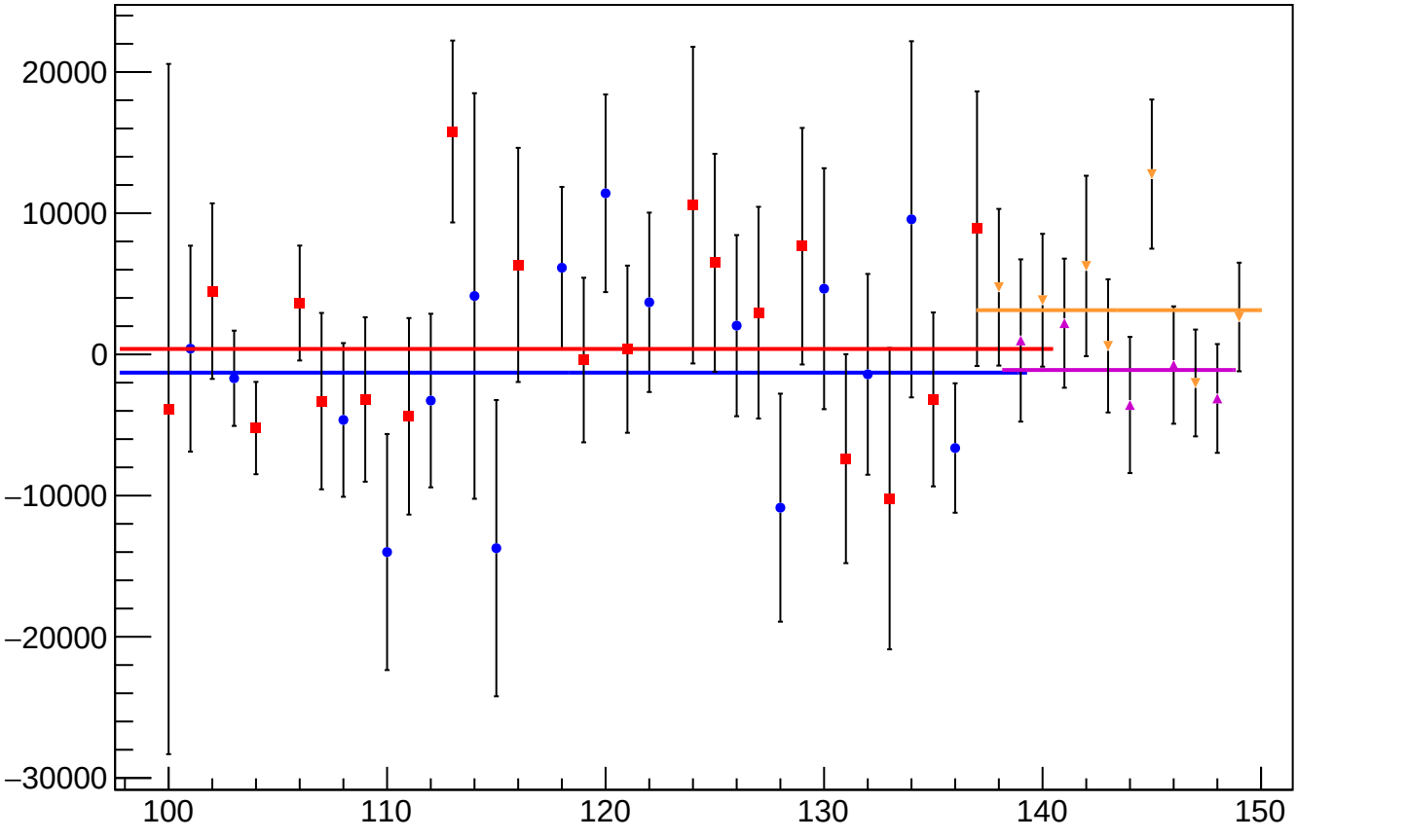
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1882.573+/-0.637 χ^2/NDF:7558.1/4

+ sign 1907.015+/-0.385 χ^2/NDF: 711401.6/22

All: 1900.131+/-0.276 χ^2/NDF: 935695.8/46

- 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: 3133.707+/-1766.651 χ^2/NDF:5.8/6

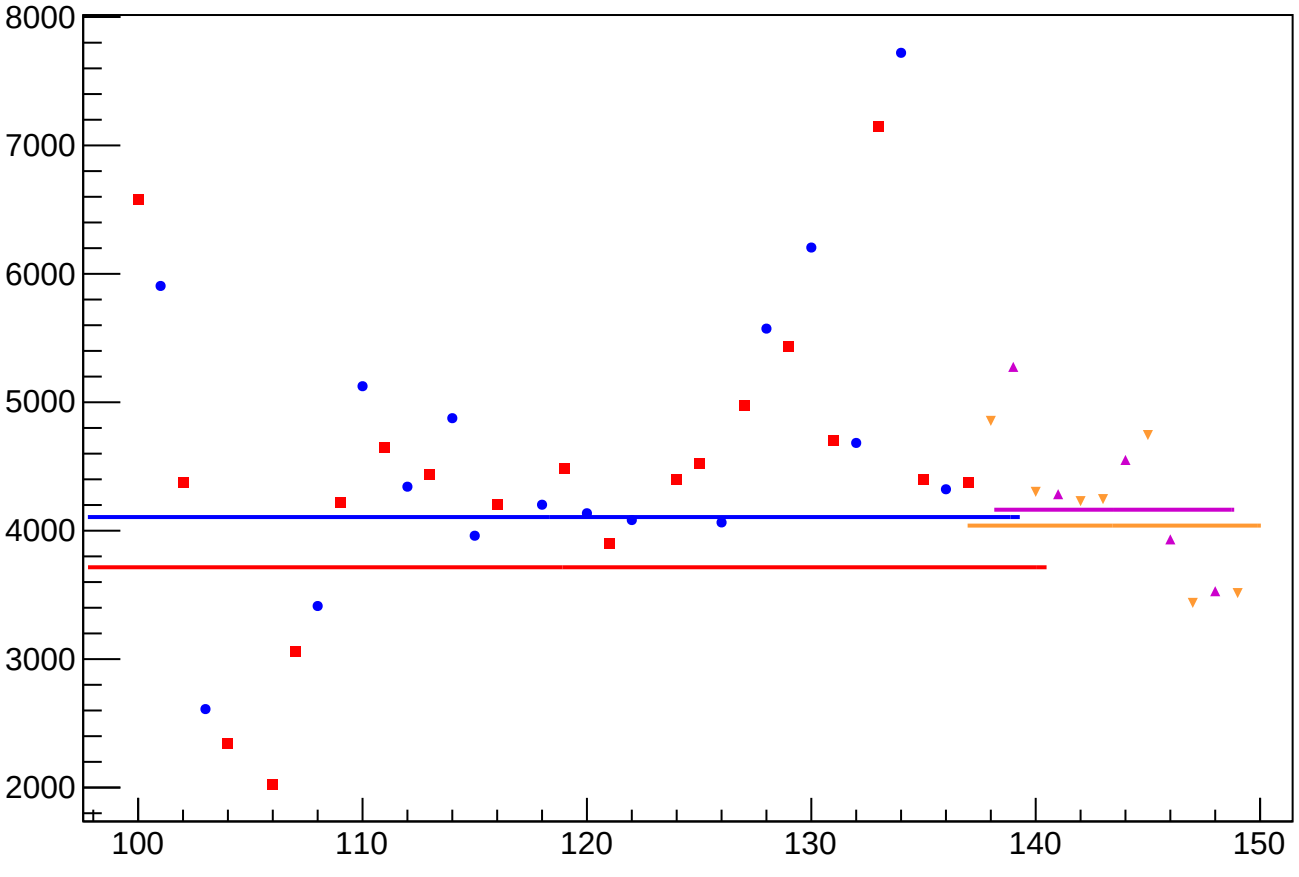
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -1104.142+/-2015.021 χ^2/NDF:1.2/4

+ sign 682.924+/-1179.955 χ^2/NDF: 23.6/22

All: 279.710+/-833.580 χ^2/NDF: 42.4/46

- 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: 4039.684+/-1.249 χ^2/NDF:178604.2/6

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

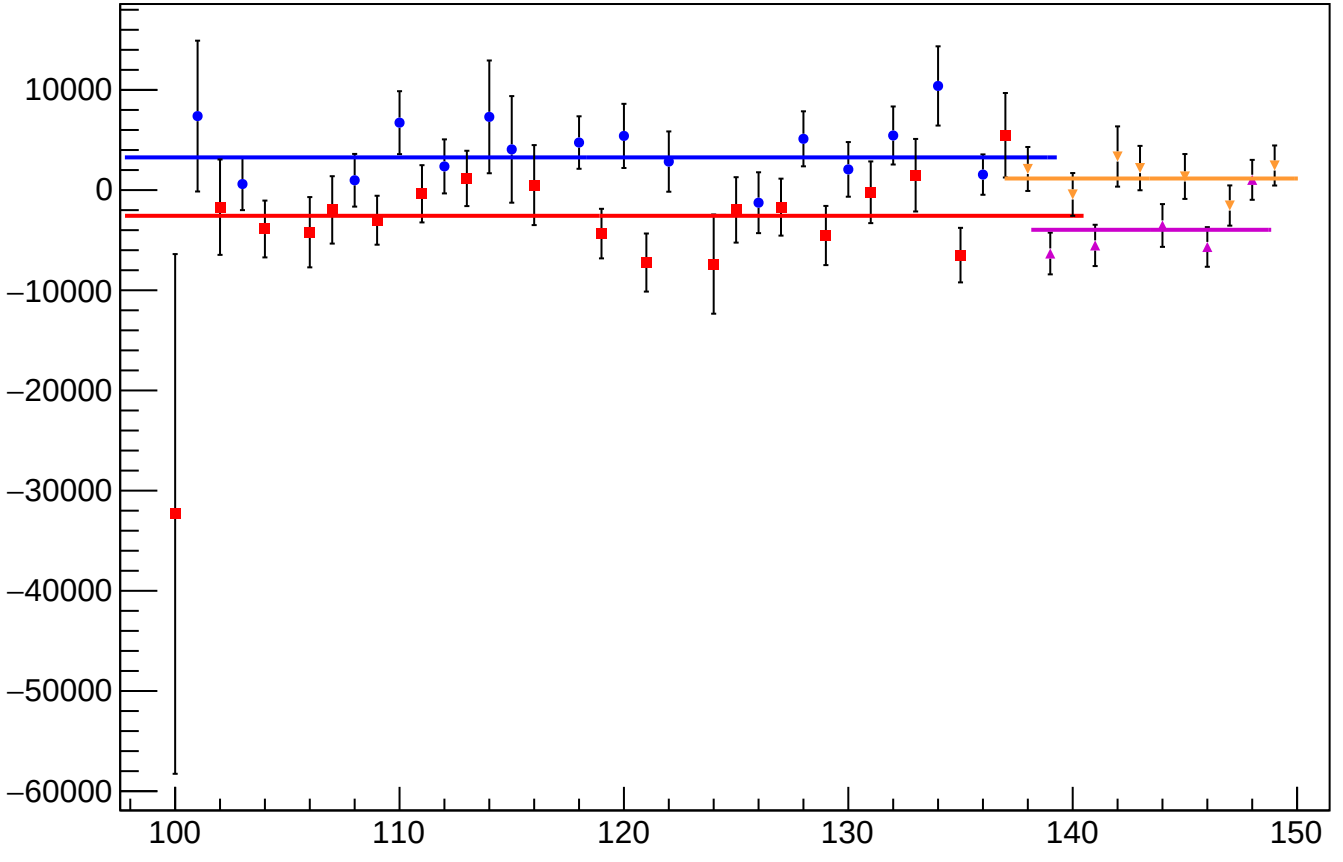
Left In: 4163.414+/-1.425 χ^2/NDF:149679.5/4

+ sign 4076.546+/-0.834 χ^2/NDF: 1135807.4/22

All: 3972.243+/-0.589 χ^2/NDF: 2716933.5/46

- sign 3868.327+/-0.833 χ^2/NDF: 1549928.8/23

dit_asym_atr_avg_mean vs Slug



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1156.676+/-833.792 χ^2/NDF:3.7/6

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

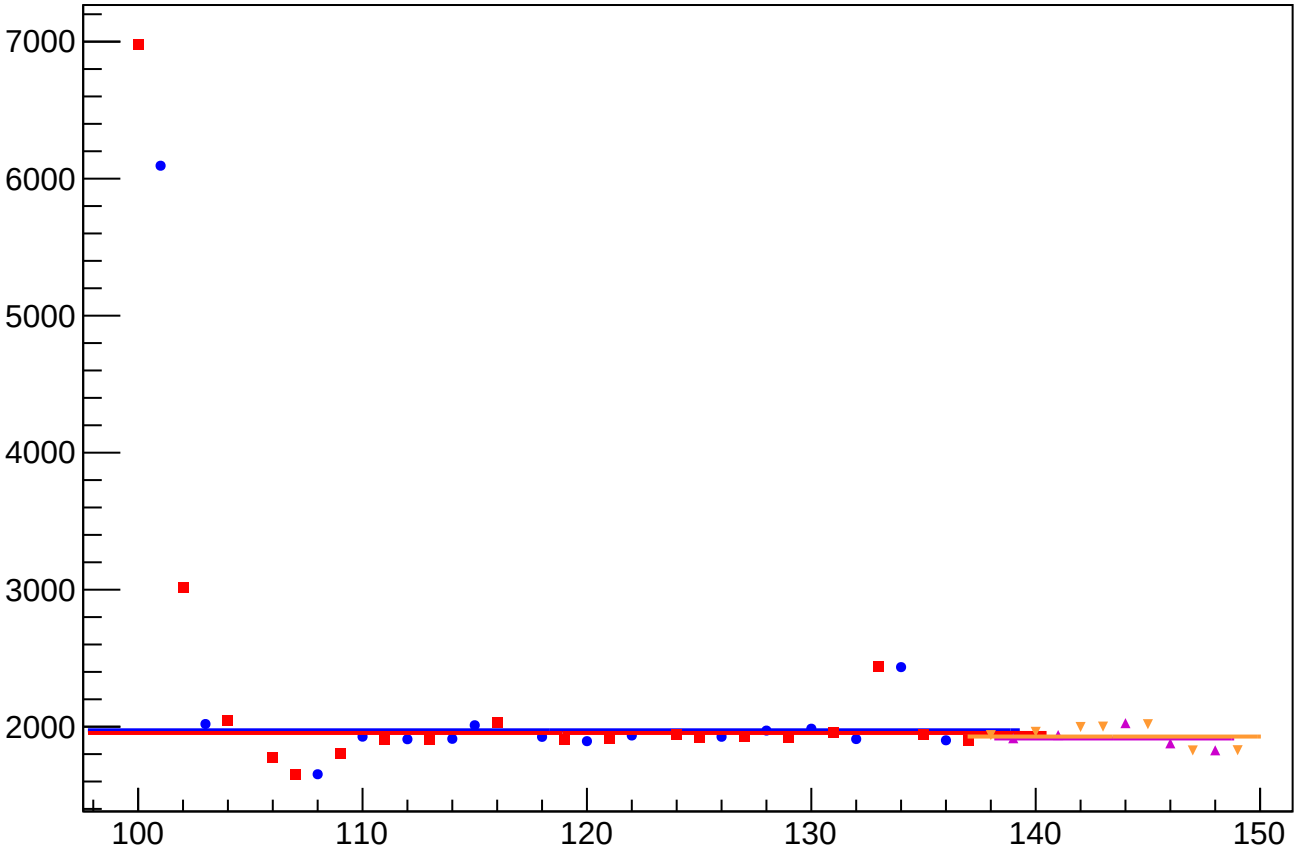
Left In: -3963.949+/-915.696 χ^2/NDF:8.9/4

+ sign 2320.669+/-557.963 χ^2/NDF: 19.4/22

All: -323.821+/-399.795 χ^2/NDF: 92.9/46

- 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: 1928.107+/-0.590 χ^2/NDF:17101.9/6

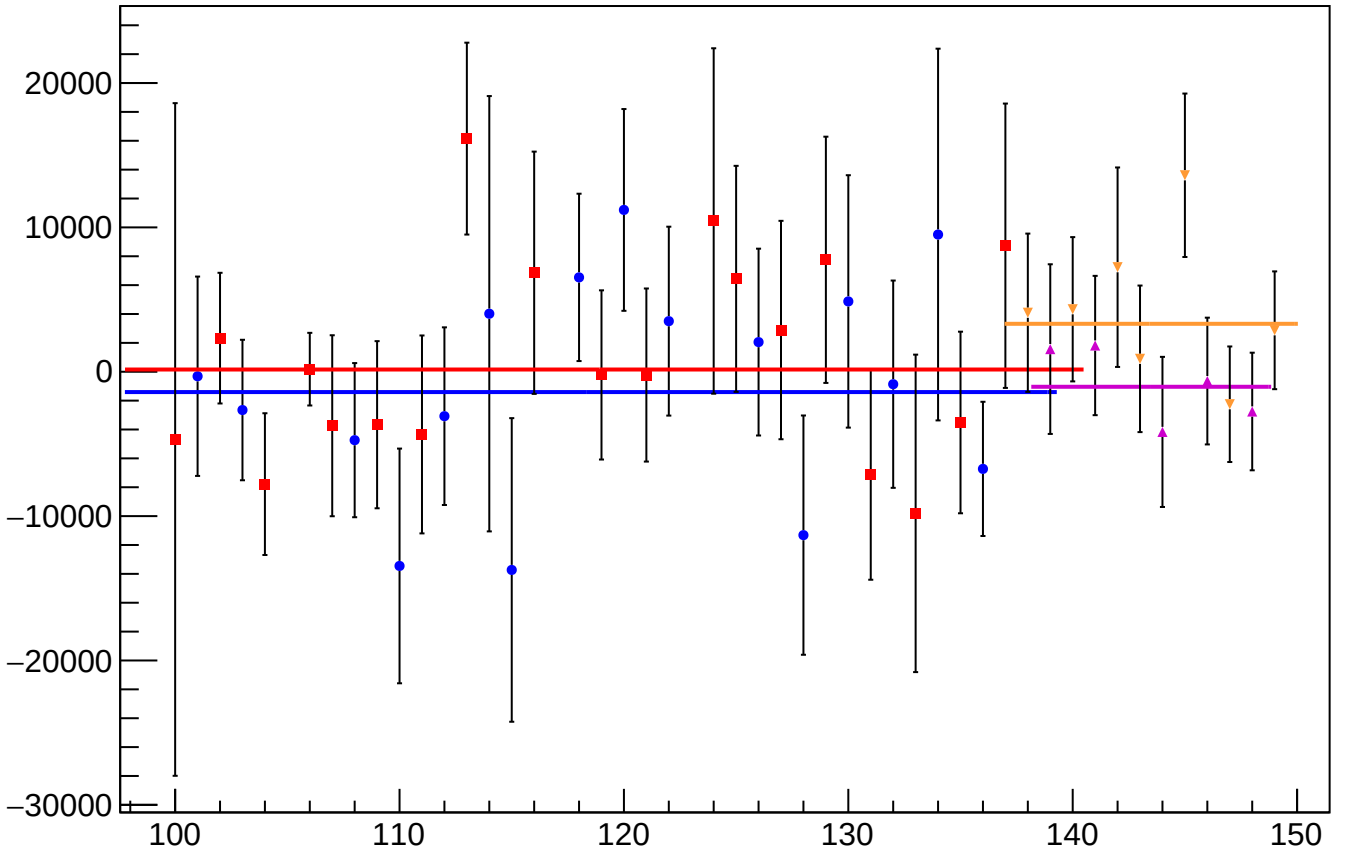
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1914.128+/-0.647 χ^2/NDF:10181.8/4

+ sign 1953.309+/-0.395 χ^2/NDF: 685535.3/22

All: 1946.149+/-0.283 χ^2/NDF: 944952.4/46

- 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: 3321.368+/-1867.251 χ^2/NDF:5.9/6

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

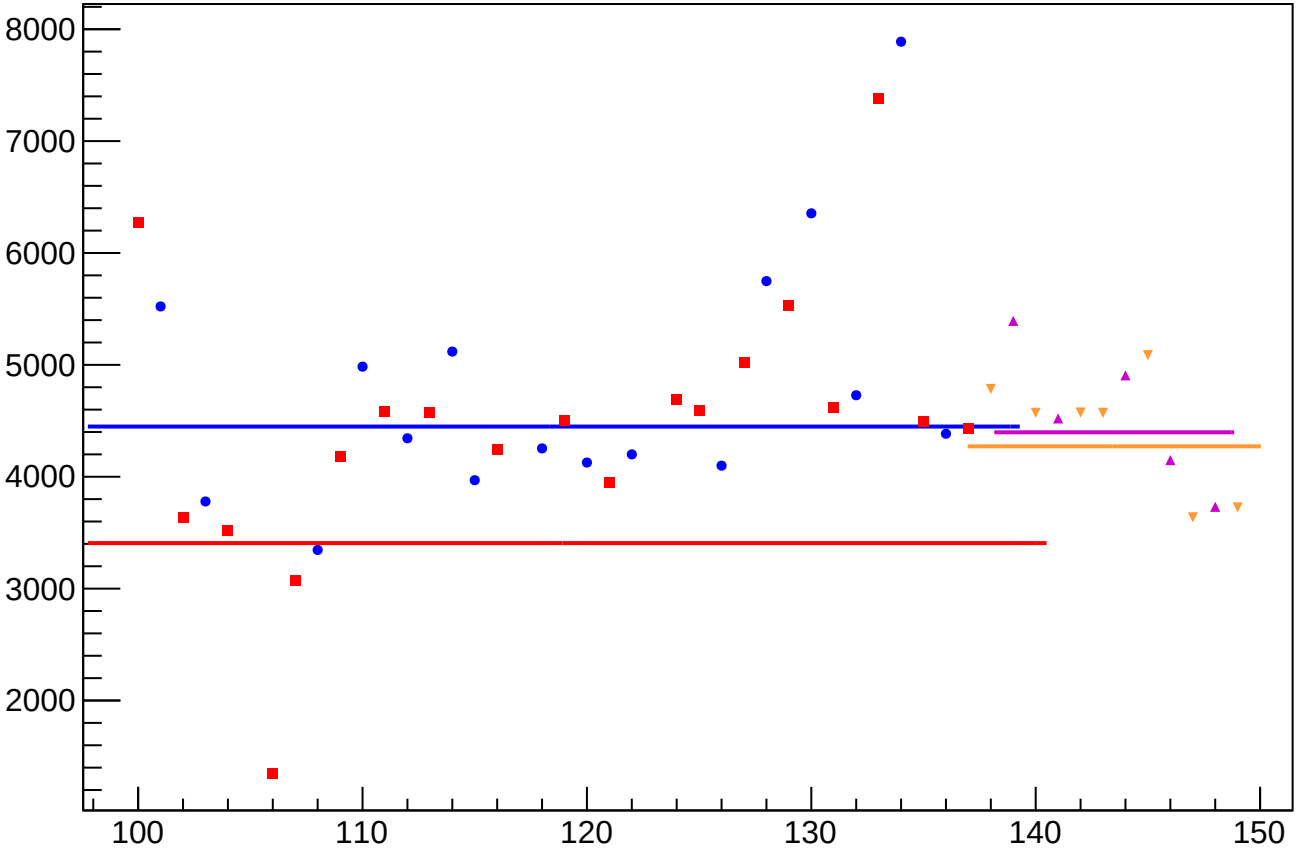
Left In: -1040.413+/-2126.930 χ^2/NDF:1.1/4

+ sign 721.937+/-1252.996 χ^2/NDF: 23.6/22

All: 224.499+/-846.435 χ^2/NDF: 41.0/46

- 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: 4271.881+/-1.320 χ^2/NDF:163107.1/6

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

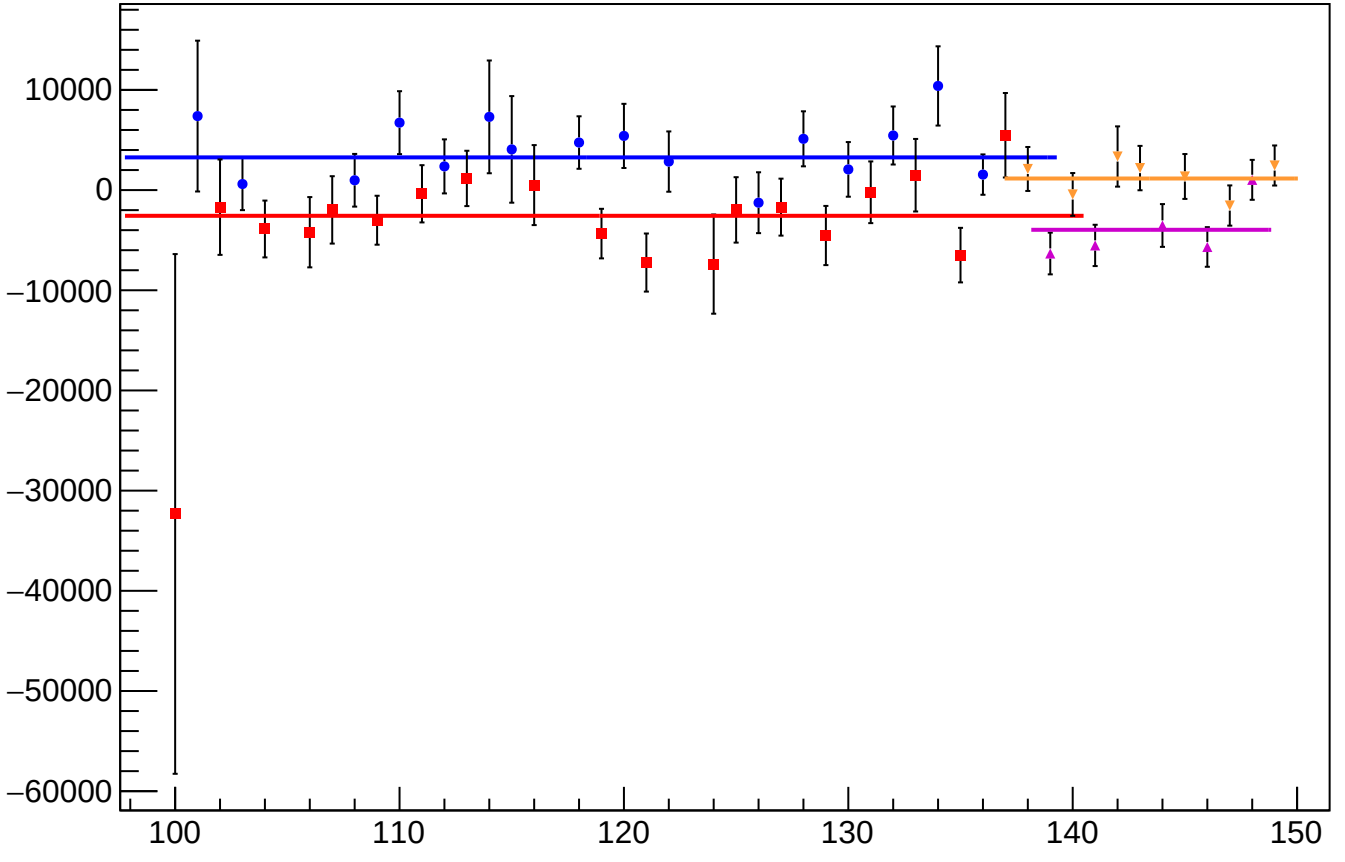
Left In: 4397.244+/-1.504 χ^2/NDF:137770.2/4

+ sign 4369.086+/-0.886 χ^2/NDF: 667580.5/22

All: 4002.914+/-0.599 χ^2/NDF: 3752738.4/46

- 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: 1156.679+/-833.793 χ^2/NDF:3.7/6

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

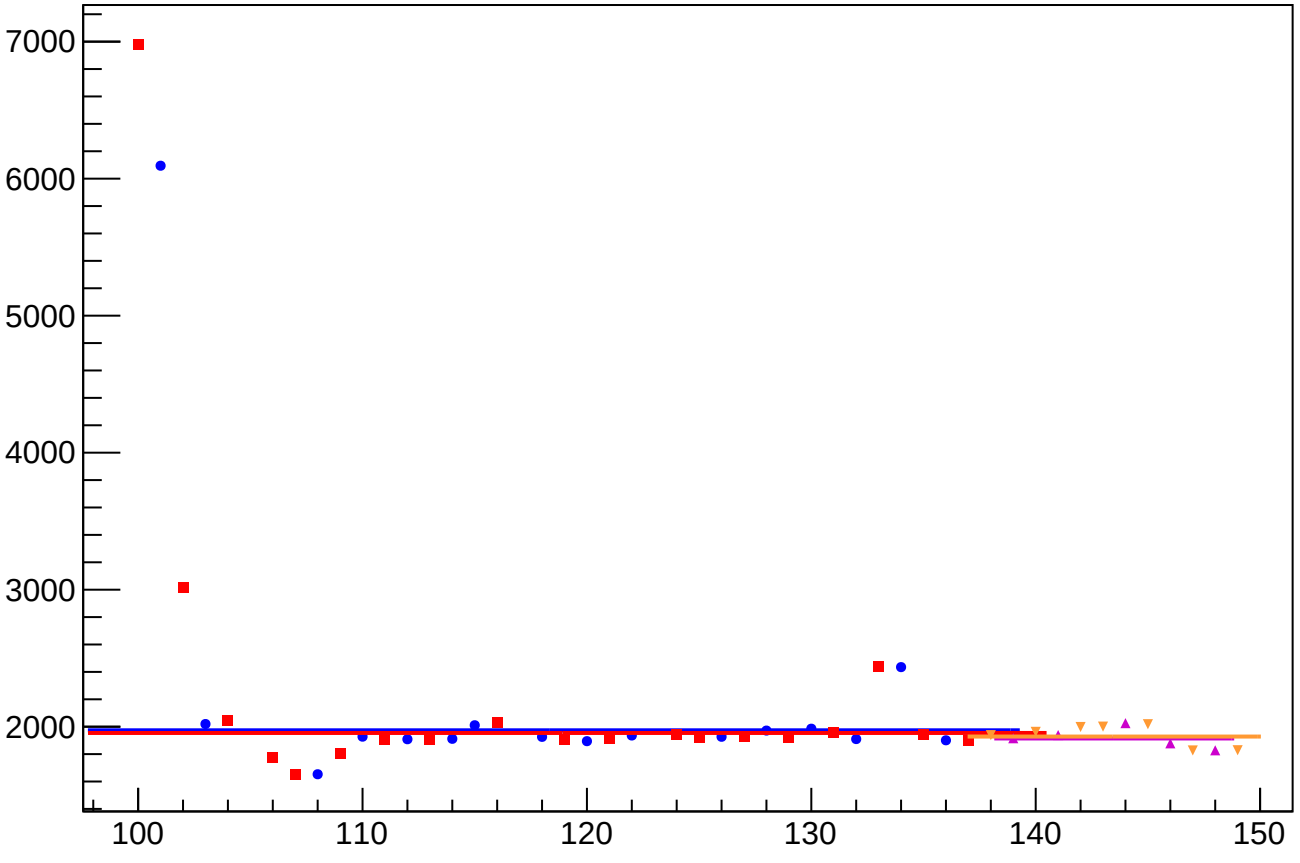
Left In: -3963.943+/-915.697 χ^2/NDF:8.9/4

+ sign 2320.674+/-557.963 χ^2/NDF: 19.4/22

All: -323.819+/-399.795 χ^2/NDF: 92.9/46

- 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: 1928.108+/-0.590 χ^2/NDF:17102.0/6

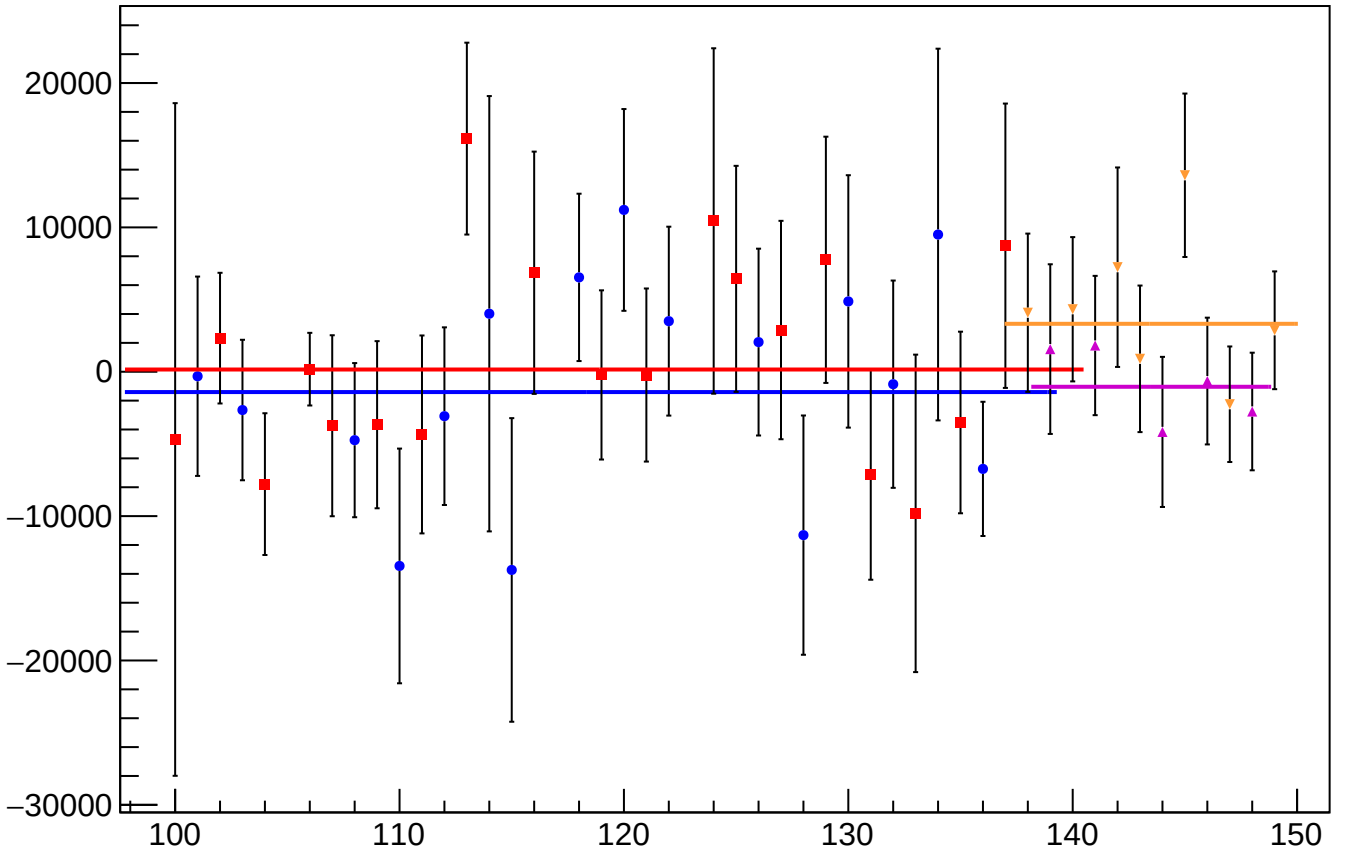
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1914.128+/-0.647 χ^2/NDF:10181.7/4

+ sign 1953.310+/-0.395 χ^2/NDF: 685535.2/22

All: 1946.150+/-0.283 χ^2/NDF: 944951.6/46

- 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: 3321.370+/-1867.254 χ^2/NDF:5.9/6

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

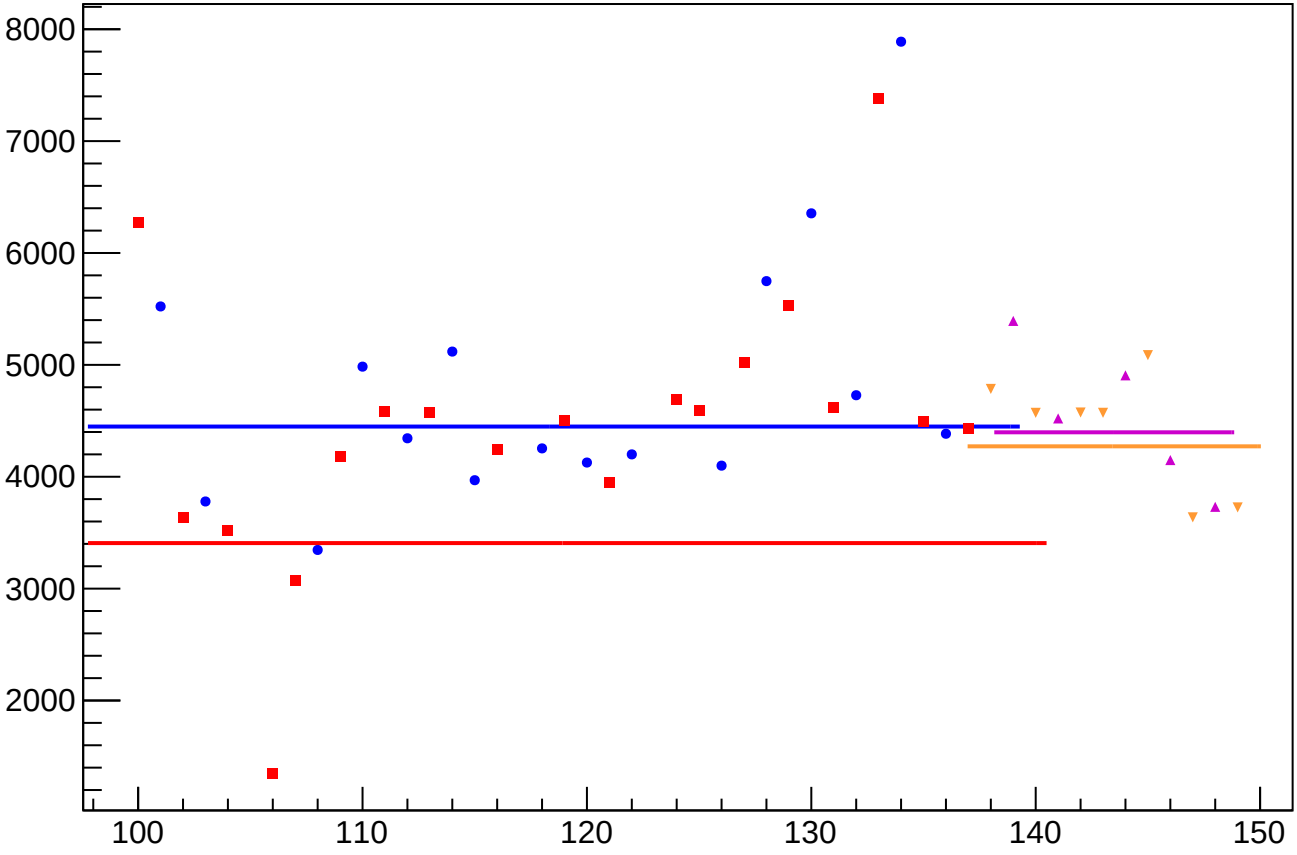
Left In: -1040.405+/-2126.933 χ^2/NDF:1.1/4

+ sign 721.941+/-1252.996 χ^2/NDF: 23.6/22

All: 224.503+/-846.434 χ^2/NDF: 41.0/46

- 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: 4271.887+/-1.320 χ^2/NDF:163107.0/6

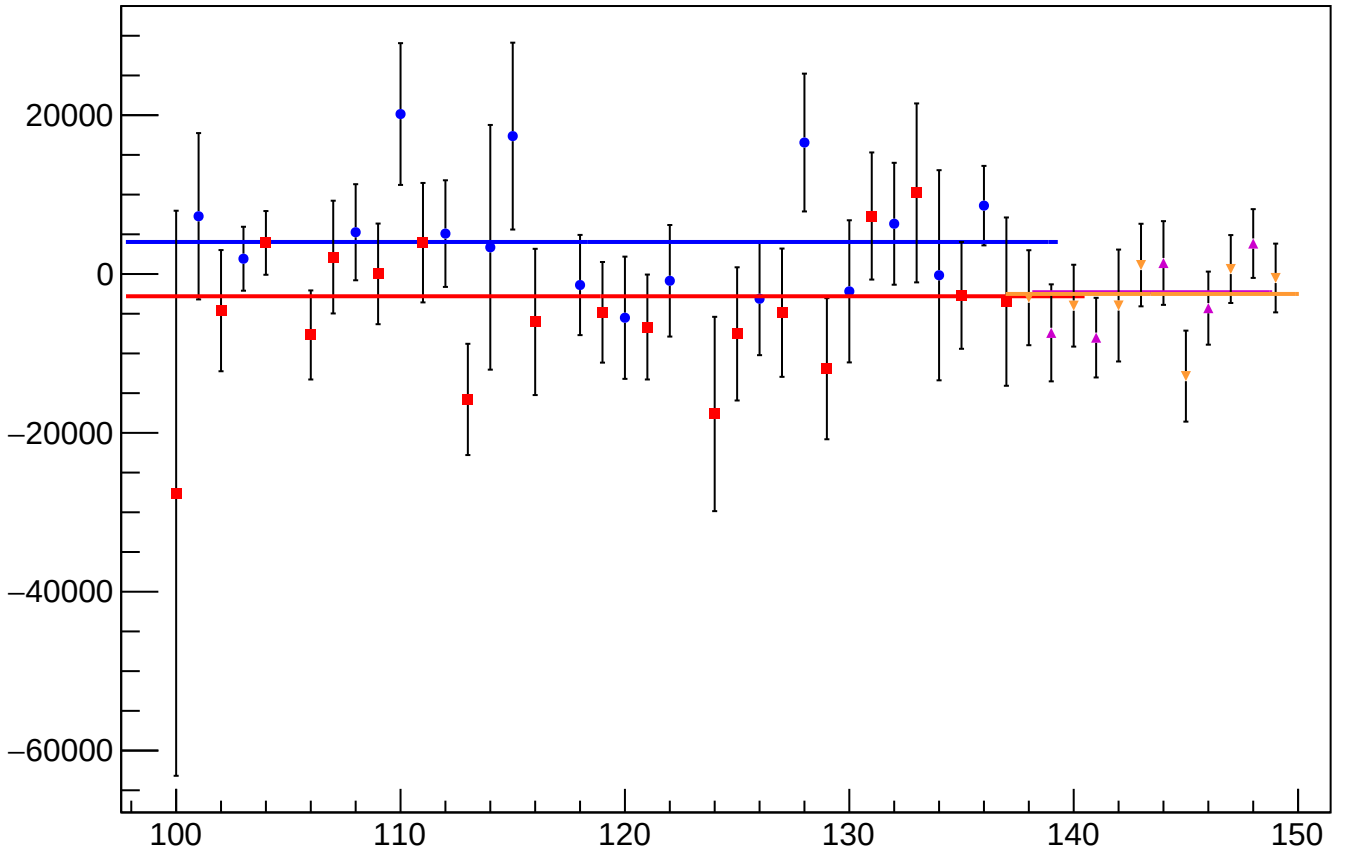
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4397.251+/-1.504 χ^2/NDF:137769.8/4

+ sign 4369.085+/-0.886 χ^2/NDF: 667575.9/22

All: 4002.910+/-0.599 χ^2/NDF: 3752750.7/46

- sign 3695.551+/-0.812 χ^2/NDF: 2770995.2/23



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -2509.033+/-1956.141 χ^2/NDF:4.6/6

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

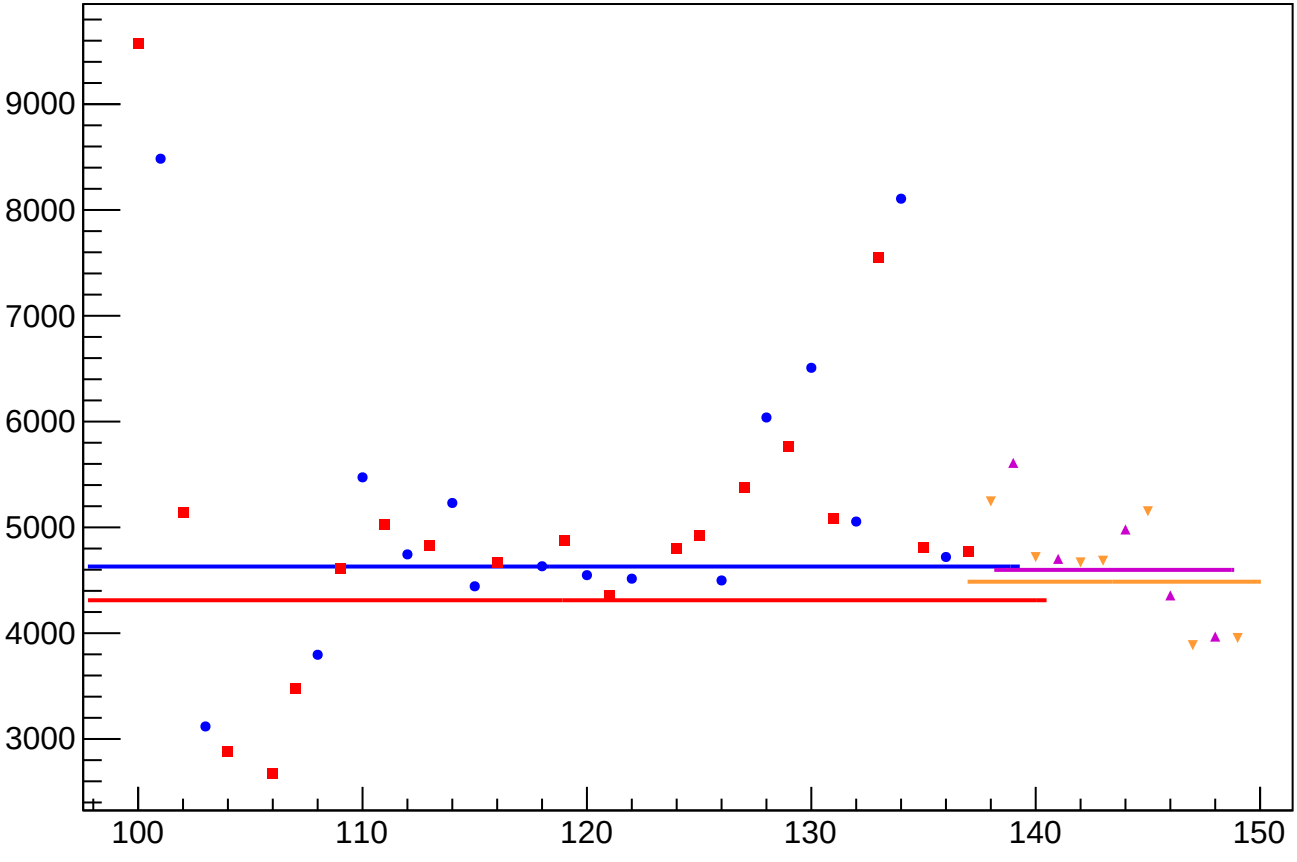
Left In: -2291.418+/-2218.509 χ^2/NDF:4.7/4

+ sign 1066.888+/-1317.348 χ^2/NDF: 23.1/22

All: -749.853+/-937.749 χ^2/NDF: 47.1/46

- 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: 4486.673+/-1.383 χ^2/NDF:137121.9/6

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

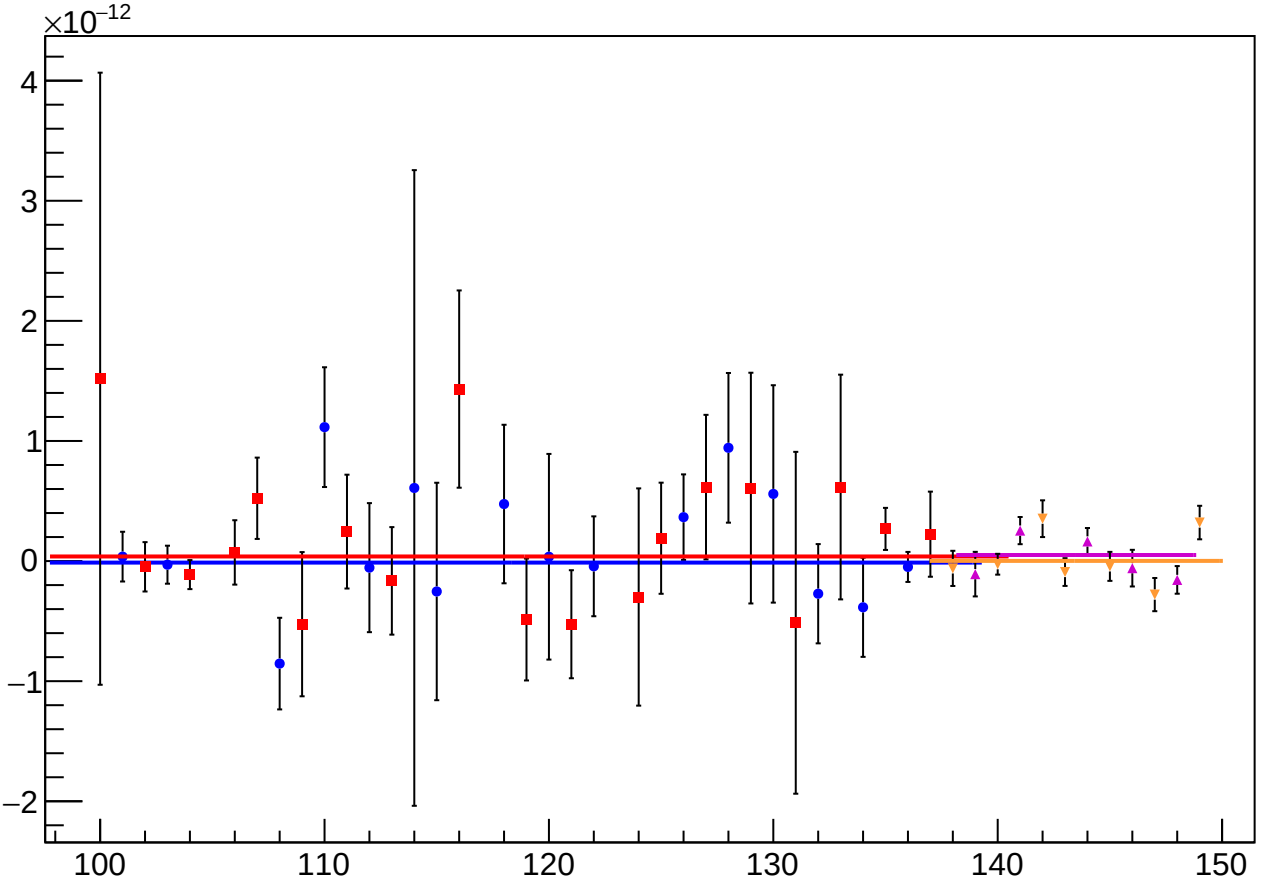
Left In: 4598.327+/-1.569 χ^2/NDF:114127.1/4

\+ sign 4564.980+/-0.932 χ^2/NDF: 1043233.0/22

All: 4490.117+/-0.661 χ^2/NDF: 2096616.0/46

\- 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:15.7/6

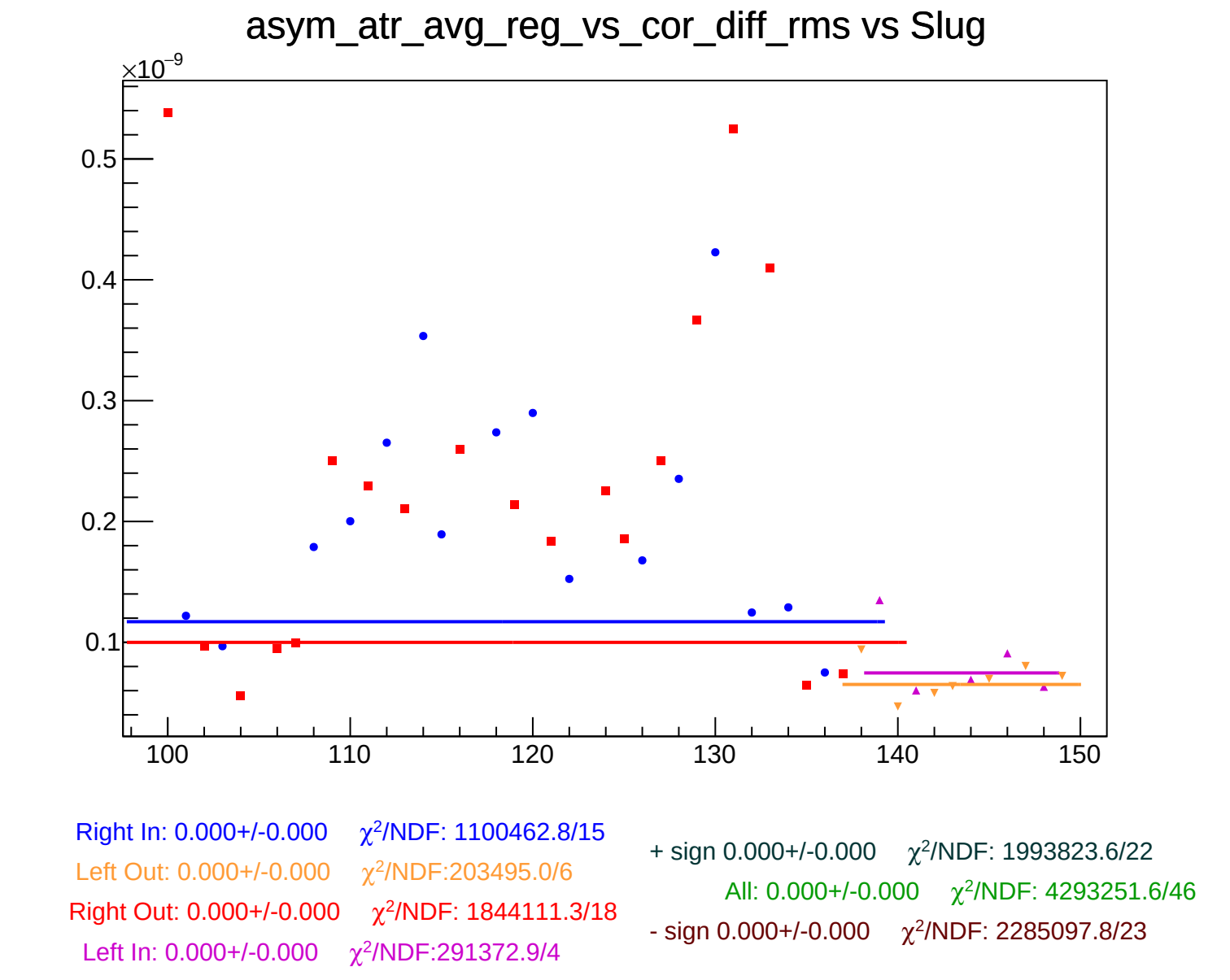
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/4

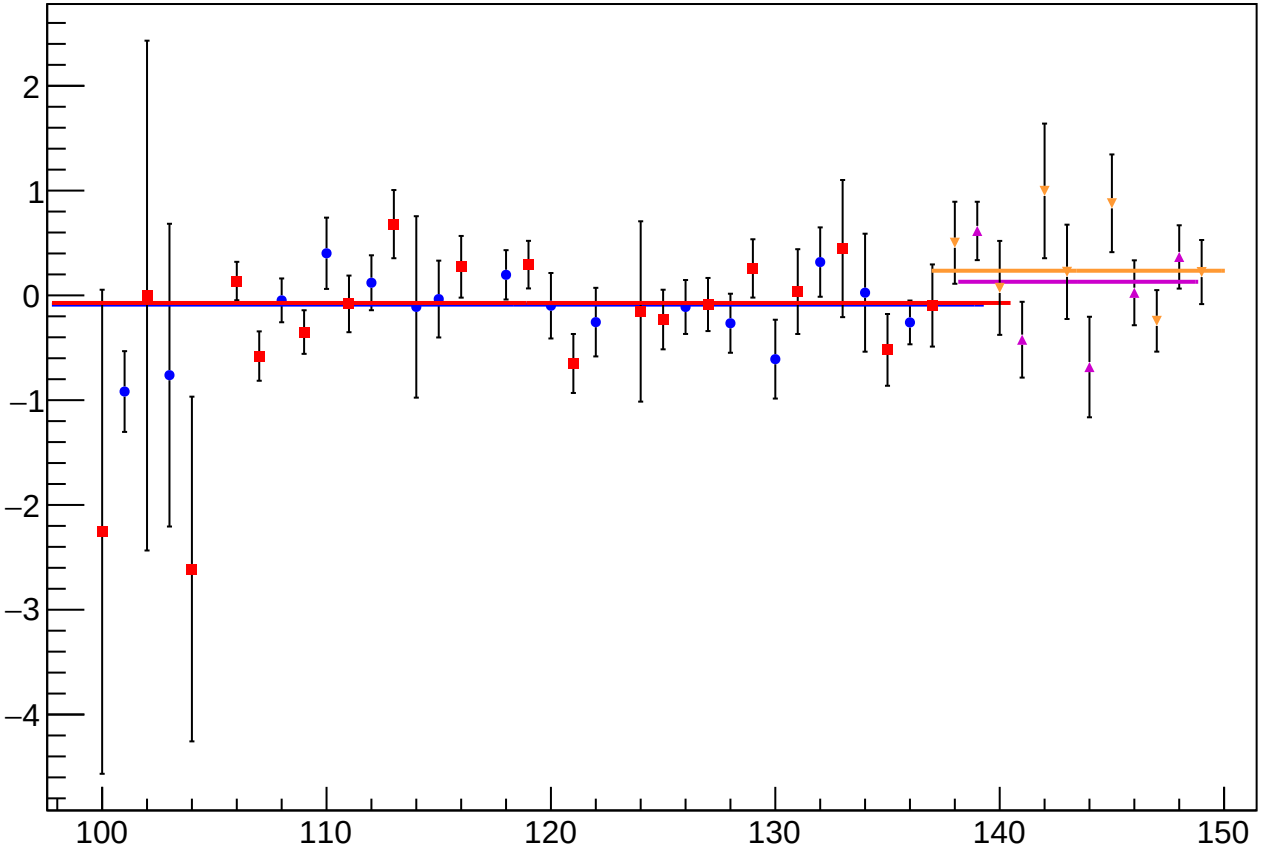
+ sign -0.000+/-0.000 χ^2/NDF: 31.6/22

All: 0.000+/-0.000 χ^2/NDF: 56.0/46

- 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:203495.0/6
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: 1993823.6/22
All: 0.000+/-0.000 χ²/NDF: 4293251.6/46
- 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: 0.235+/-0.148 χ^2/NDF:6.6/6

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

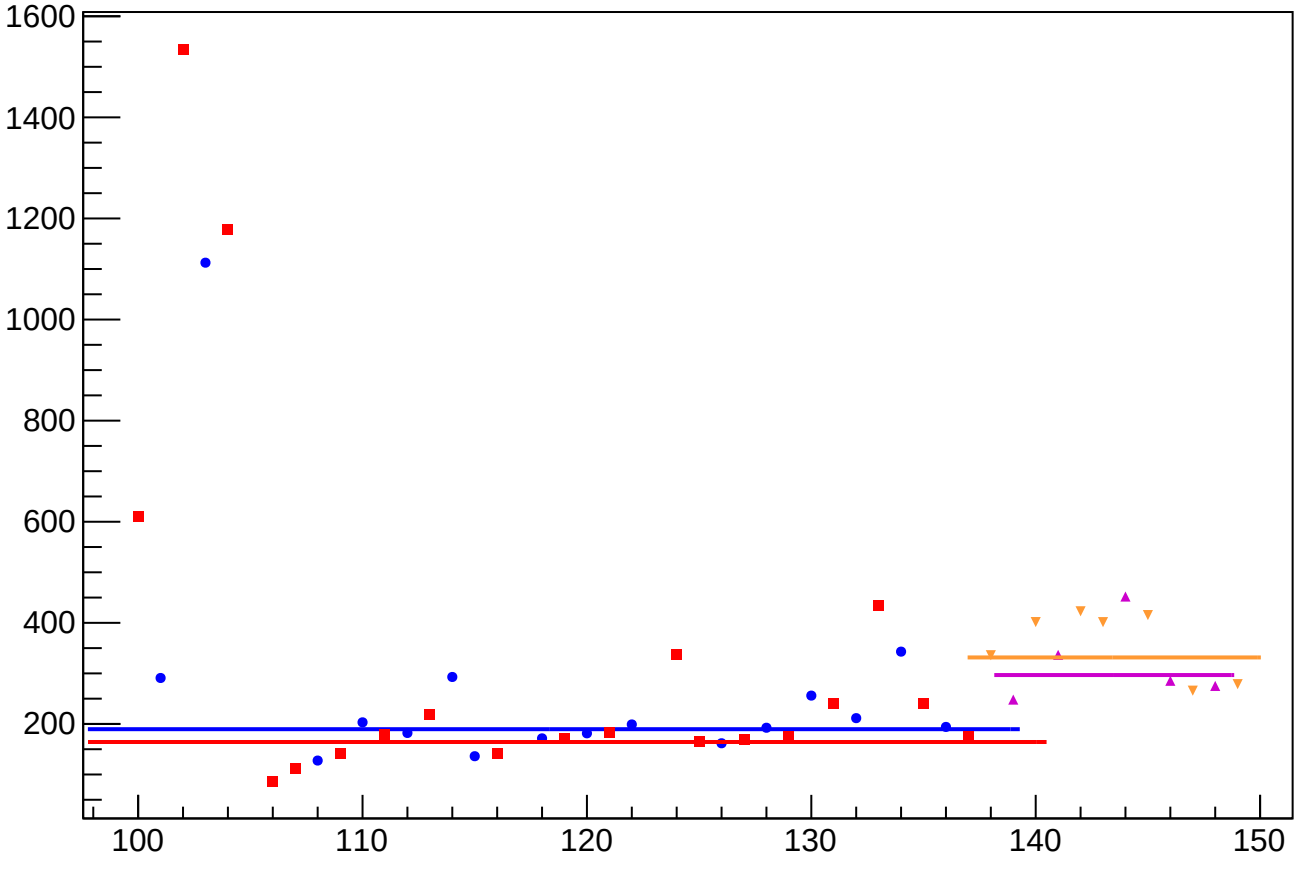
Left In: 0.130+/-0.147 χ^2/NDF:9.0/4

+ sign -0.019+/-0.068 χ^2/NDF: 24.2/22

All: -0.028+/-0.046 χ^2/NDF: 63.4/46

- 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: 331.558+/-0.105 χ^2/NDF:362039.2/6

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

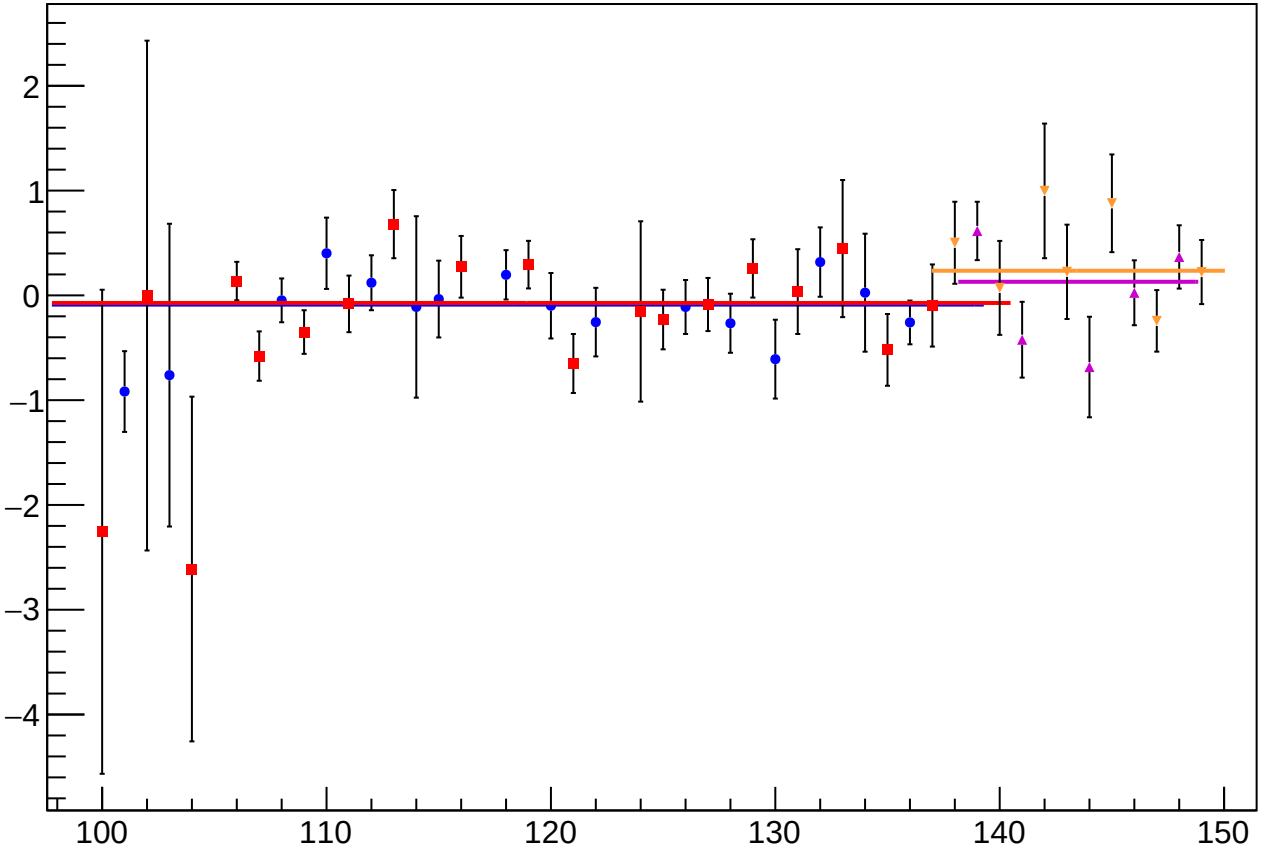
Left In: 296.742+/-0.104 χ^2/NDF:307572.5/4

+ sign 219.771+/-0.048 χ^2/NDF: 3279352.3/22

All: 203.112+/-0.033 χ^2/NDF: 7776118.4/46

- 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: 0.235+/-0.148 χ^2/NDF:6.6/6

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

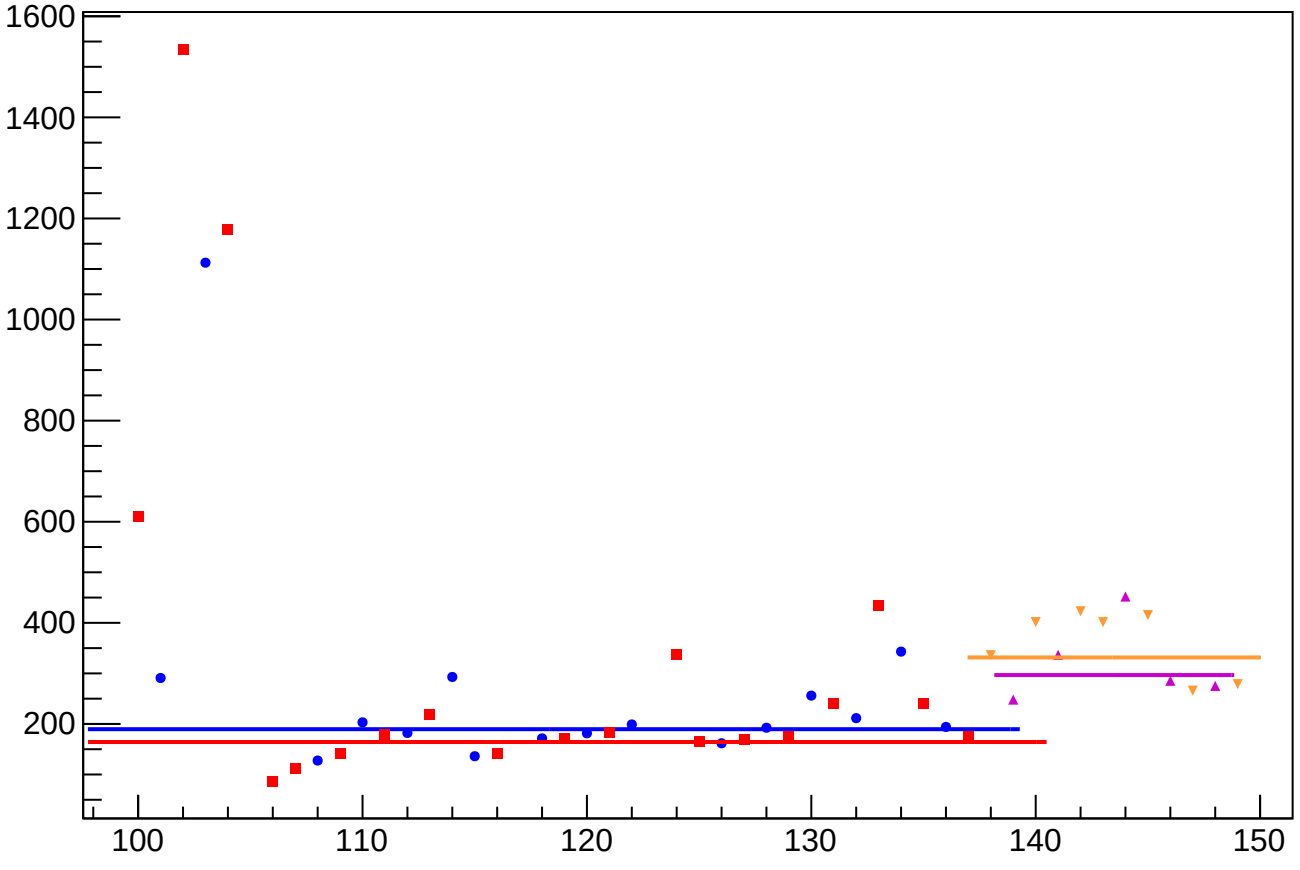
Left In: 0.130+/-0.147 χ^2/NDF:9.0/4

+ sign -0.019+/-0.068 χ^2/NDF: 24.2/22

All: -0.028+/-0.046 χ^2/NDF: 63.4/46

- 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: 331.558+/-0.105 χ^2/NDF:362039.2/6

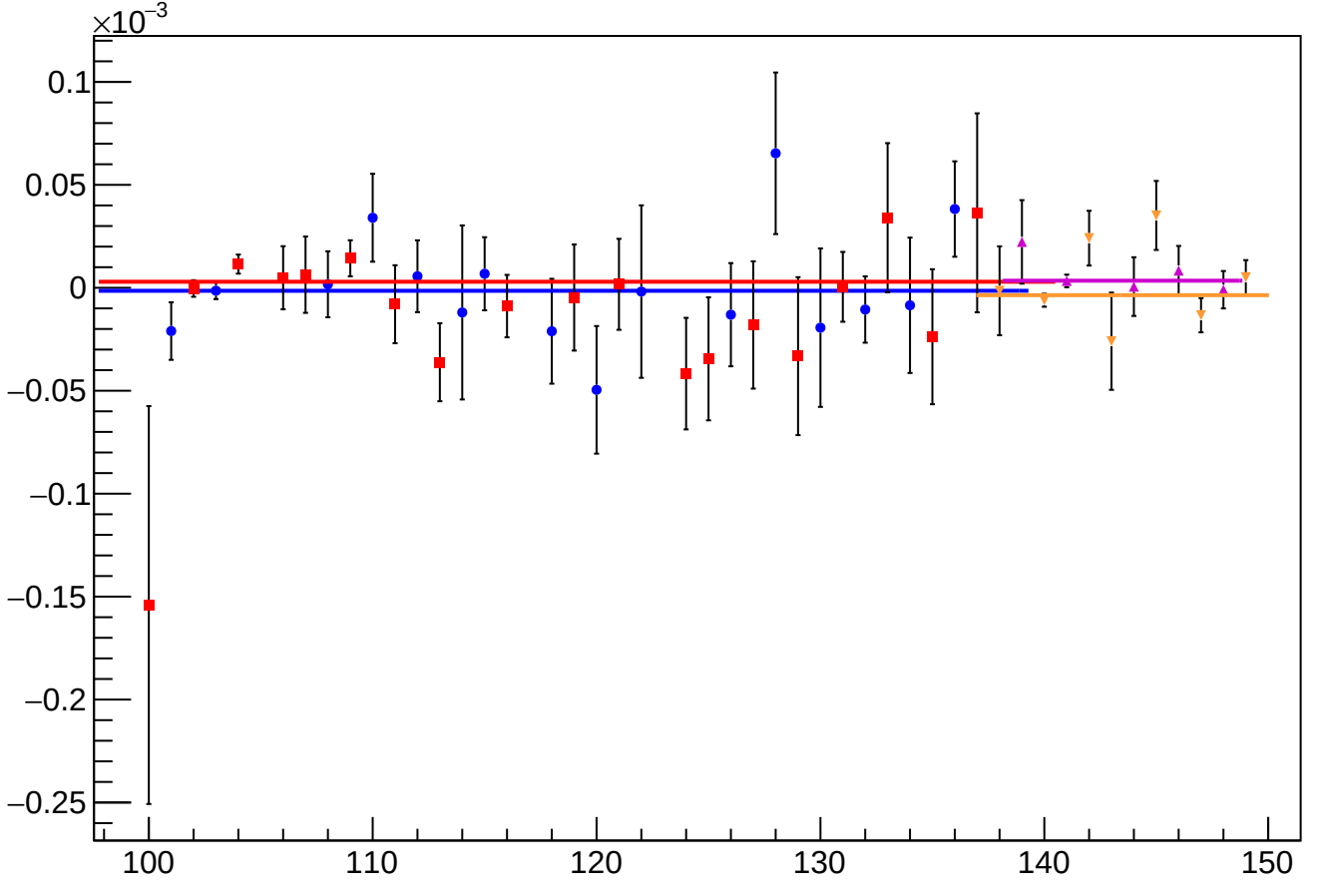
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 296.742+/-0.104 χ^2/NDF:307572.5/4

+ sign 219.771+/-0.048 χ^2/NDF: 3279352.3/22

All: 203.112+/-0.033 χ^2/NDF: 7776118.4/46

- 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:13.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

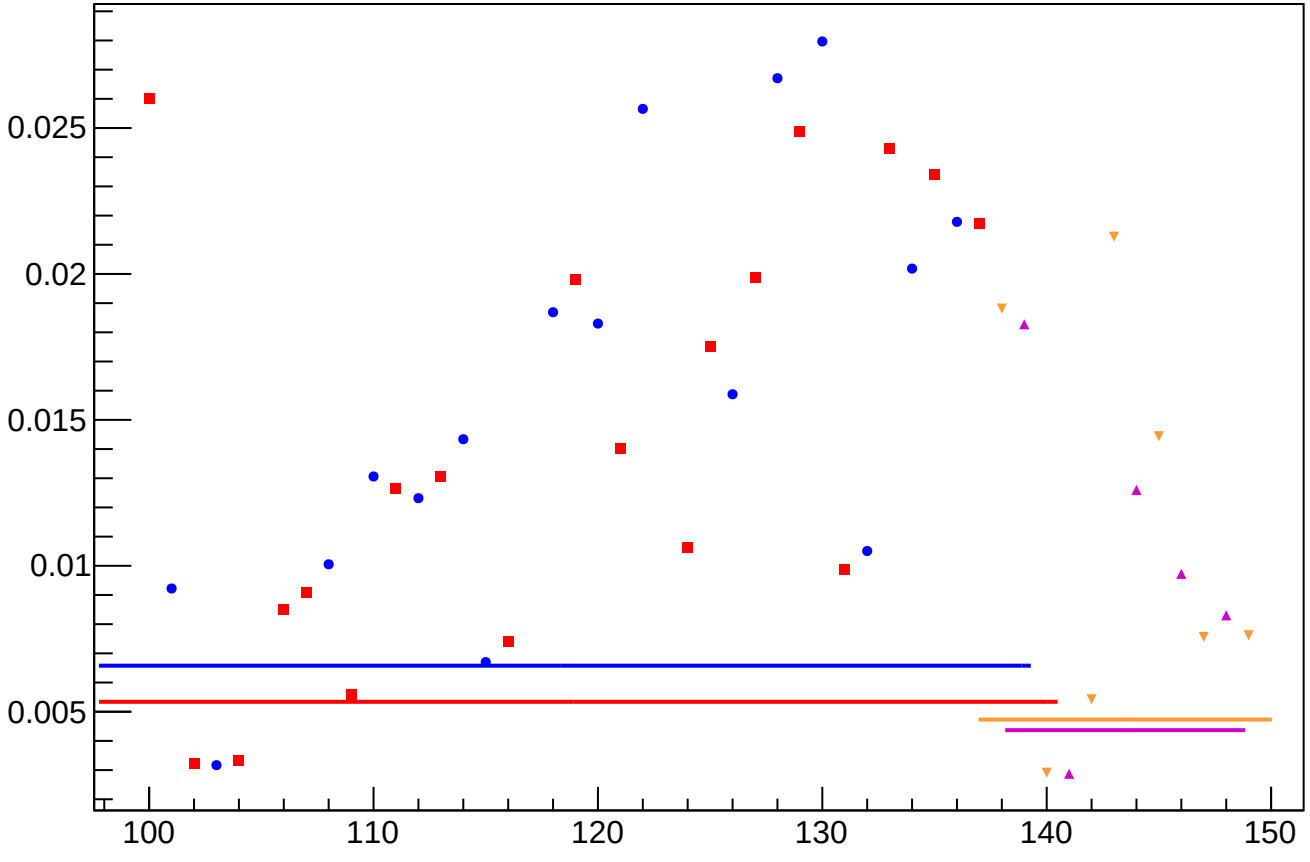
Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 28.7/22

All: 0.000+/-0.000 χ^2/NDF: 55.8/46

- 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: 0.005+/-0.000 χ^2/NDF:3639759.2/6

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

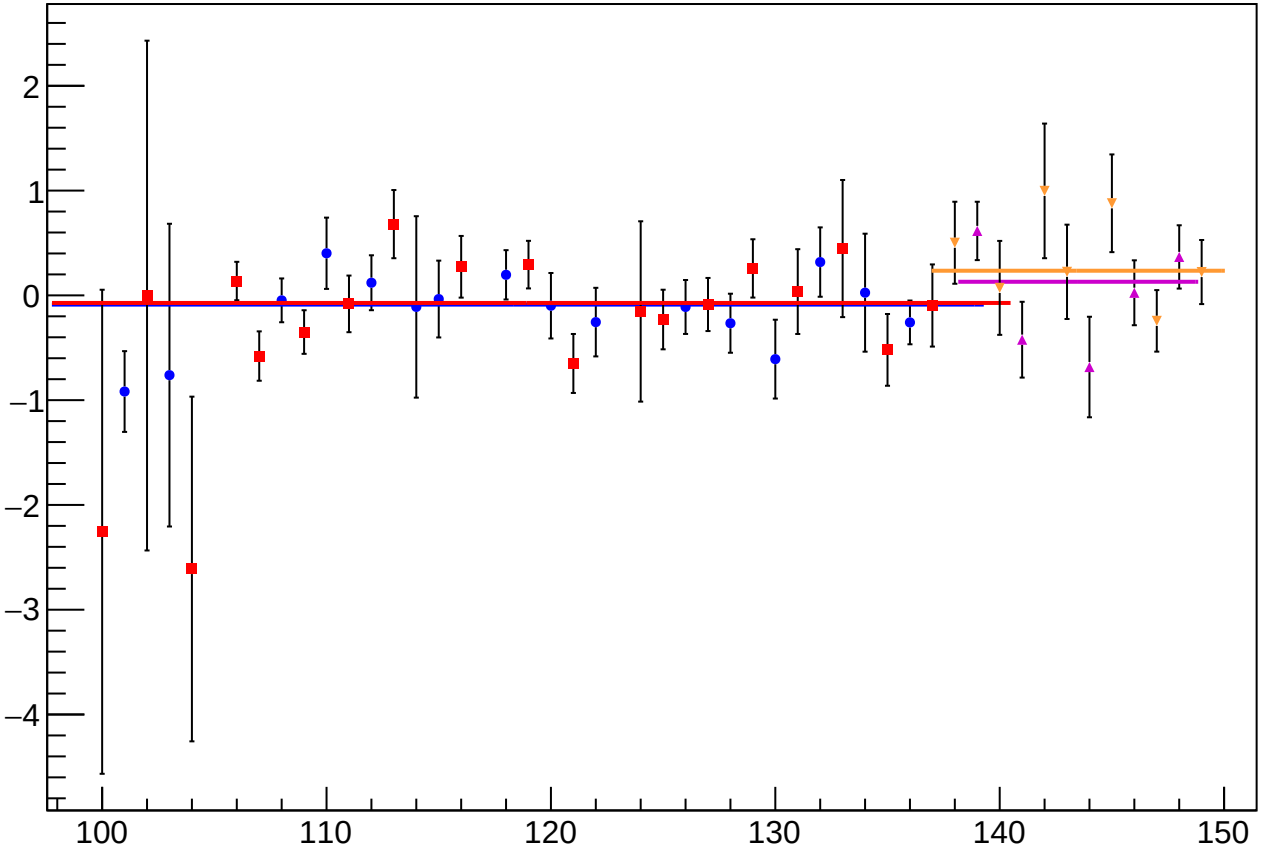
Left In: 0.004+/-0.000 χ^2/NDF:2862361.9/4

+ sign 0.005+/-0.000 χ^2/NDF: 9945449.0/22

All: 0.005+/-0.000 χ^2/NDF: 18710875.2/46

- 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: 0.235+/-0.148 χ^2/NDF:6.6/6

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

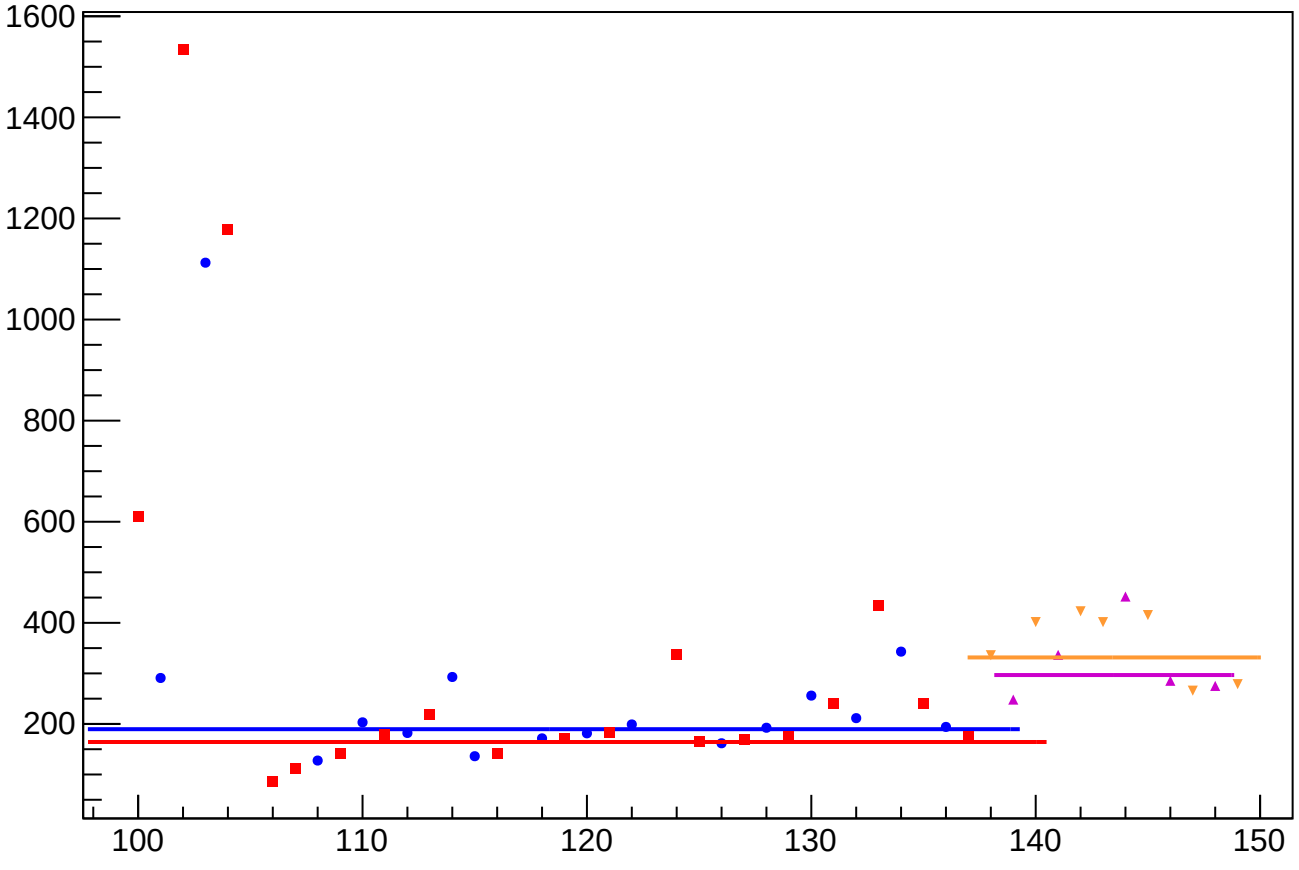
Left In: 0.130+/-0.147 χ^2/NDF:9.0/4

+ sign -0.019+/-0.068 χ^2/NDF: 24.2/22

All: -0.028+/-0.046 χ^2/NDF: 63.4/46

- 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: 331.563+/-0.105 χ^2/NDF:362024.3/6

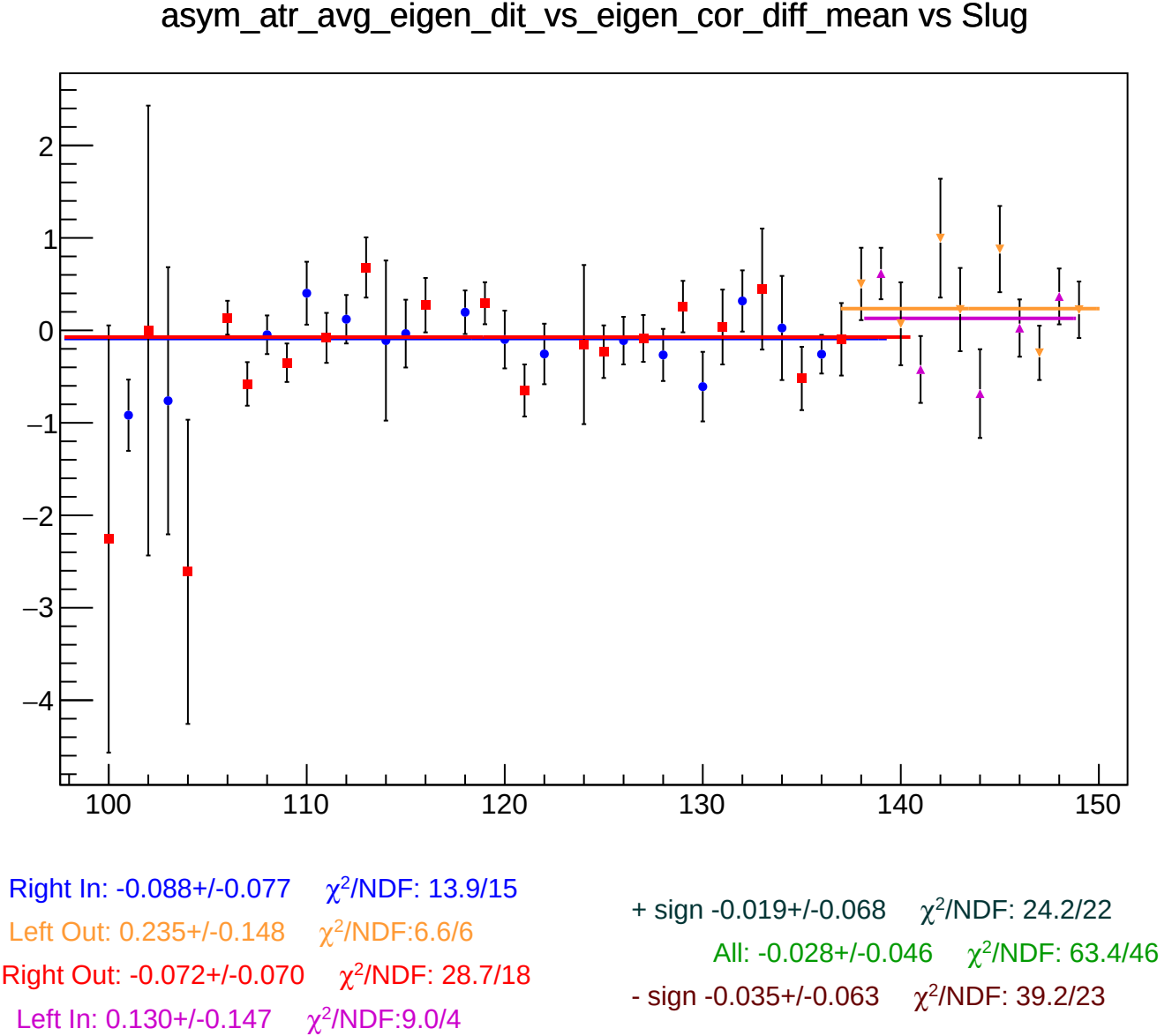
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 296.747+/-0.104 χ^2/NDF:307560.5/4

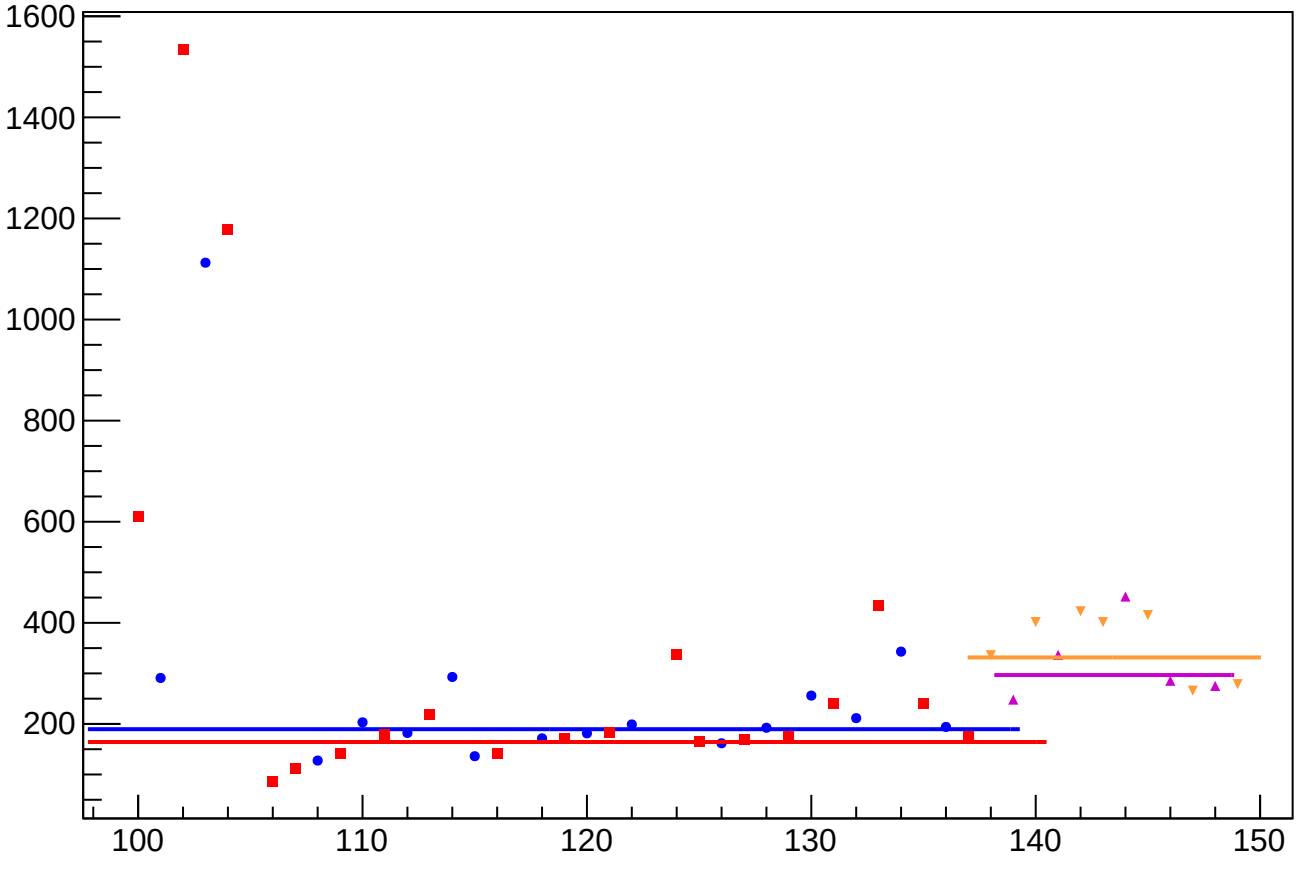
+ sign 219.771+/-0.048 χ^2/NDF: 3279411.9/22

All: 203.111+/-0.033 χ^2/NDF: 7776219.7/46

- 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: 0.235+/-0.148 χ²/NDF:6.6/6
Right Out: -0.072+/-0.070 χ²/NDF: 28.7/18
Left In: 0.130+/-0.147 χ²/NDF:9.0/4
+ sign -0.019+/-0.068 χ²/NDF: 24.2/22
All: -0.028+/-0.046 χ²/NDF: 63.4/46
- sign -0.035+/-0.063 χ²/NDF: 39.2/23

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 331.563+/-0.105 χ^2/NDF:362024.3/6

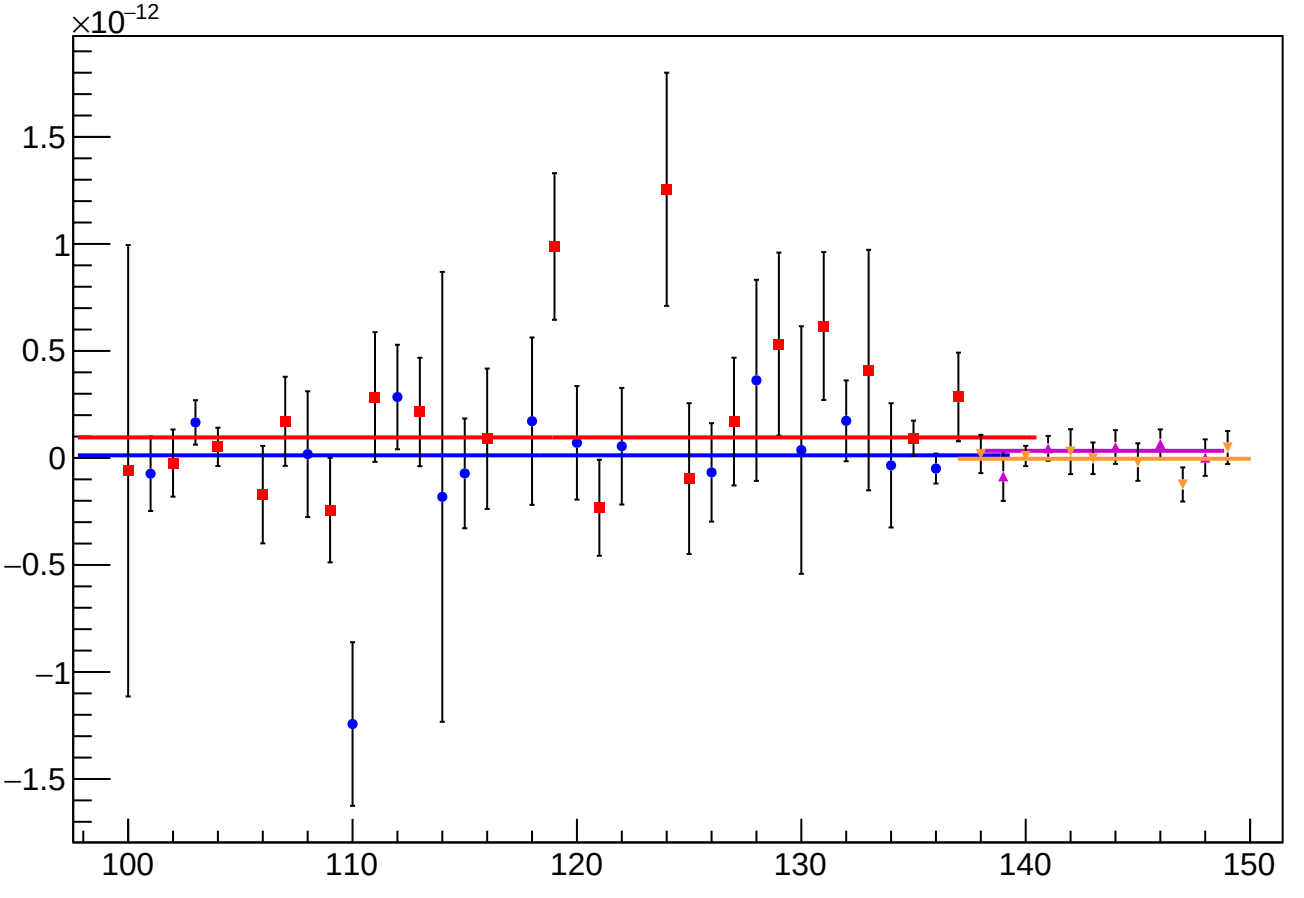
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 296.747+/-0.104 χ^2/NDF:307560.5/4

+ sign 219.771+/-0.048 χ^2/NDF: 3279411.9/22

All: 203.111+/-0.033 χ^2/NDF: 7776219.7/46

- sign 188.771+/-0.045 χ^2/NDF: 4274293.8/23



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

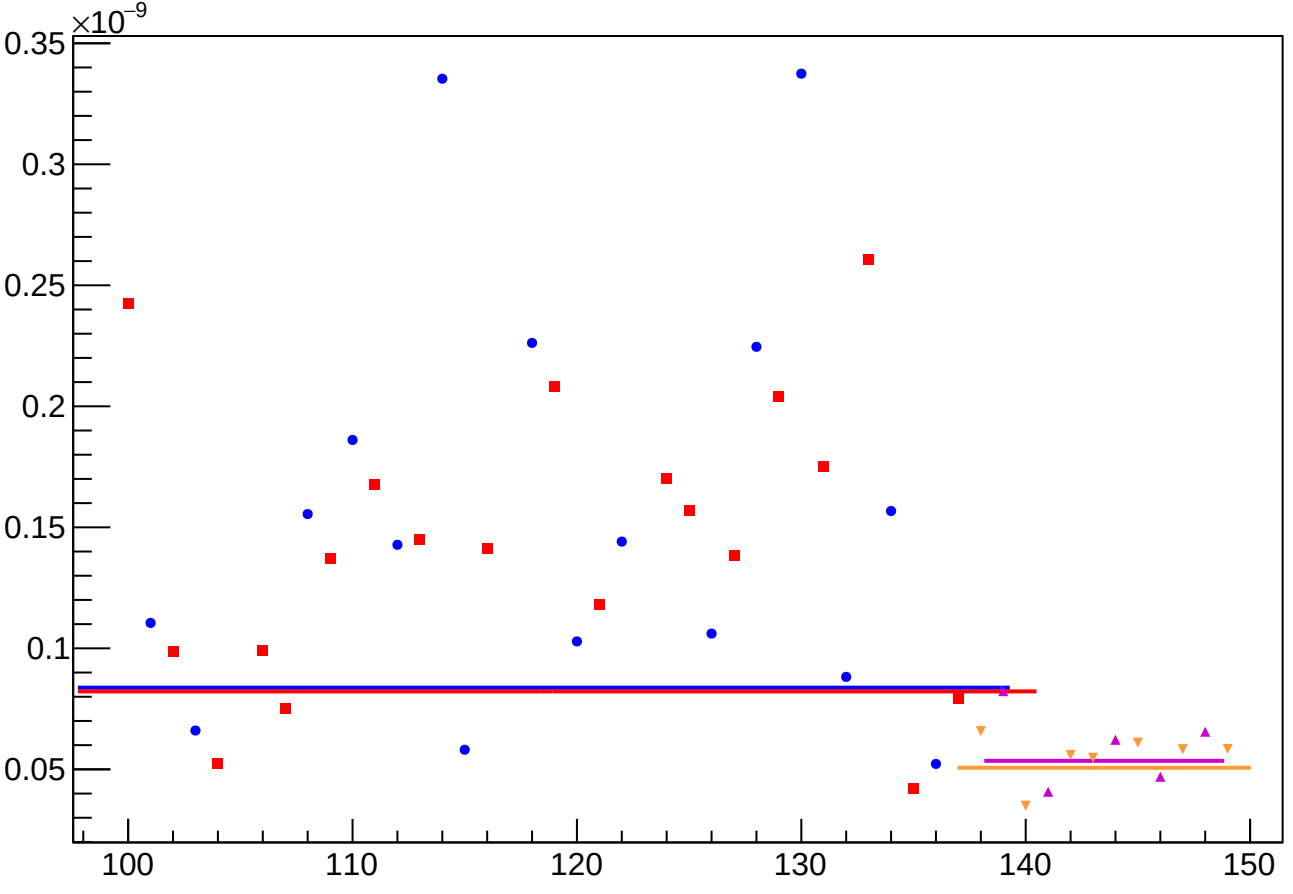
Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 20.2/22

All: 0.000+/-0.000 χ^2/NDF: 48.5/46

- 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:353921.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

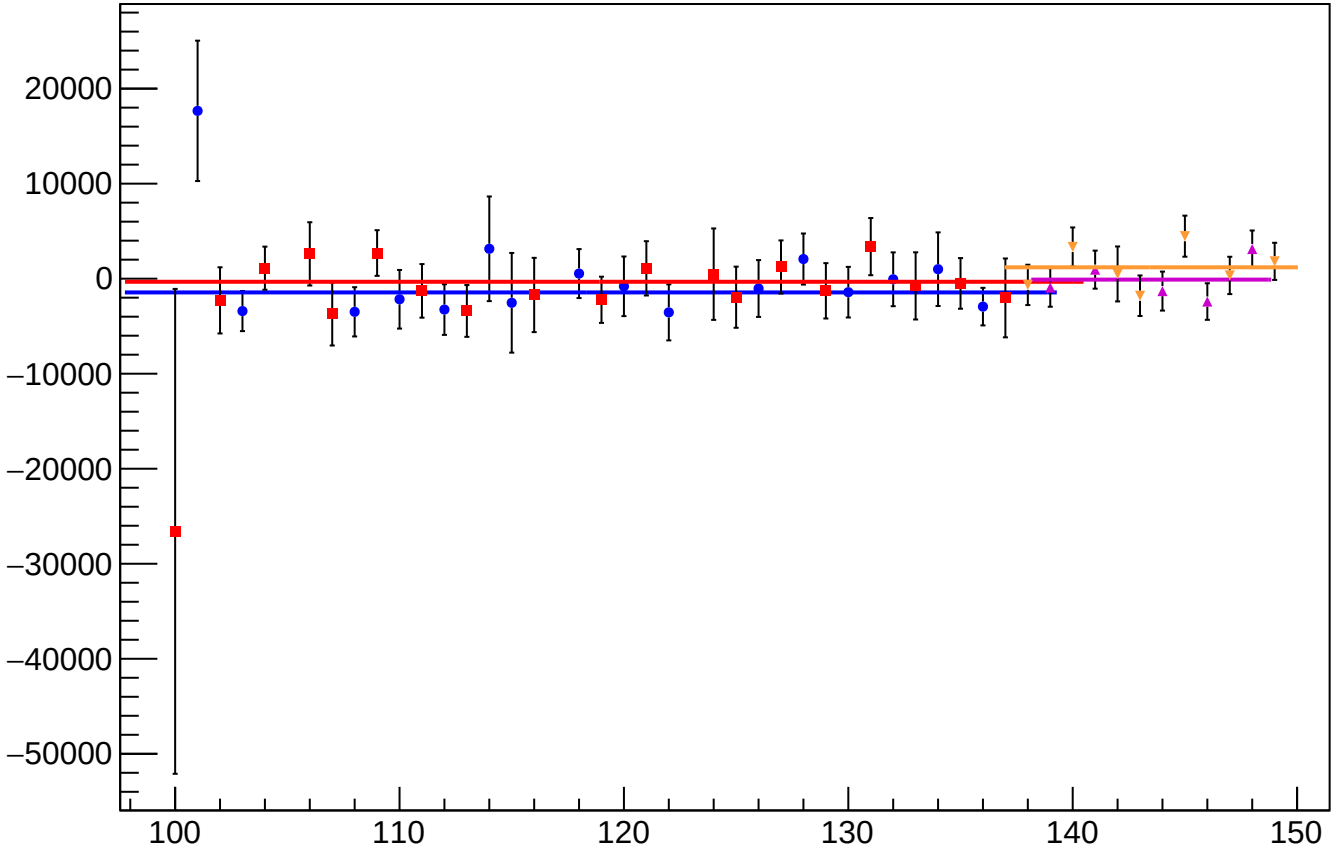
Left In: 0.000+/-0.000 χ^2/NDF:306458.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 3232895.3/22

All: 0.000+/-0.000 χ^2/NDF: 6365968.5/46

- 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: 1196.849+/-807.487 χ^2/NDF:6.5/6

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

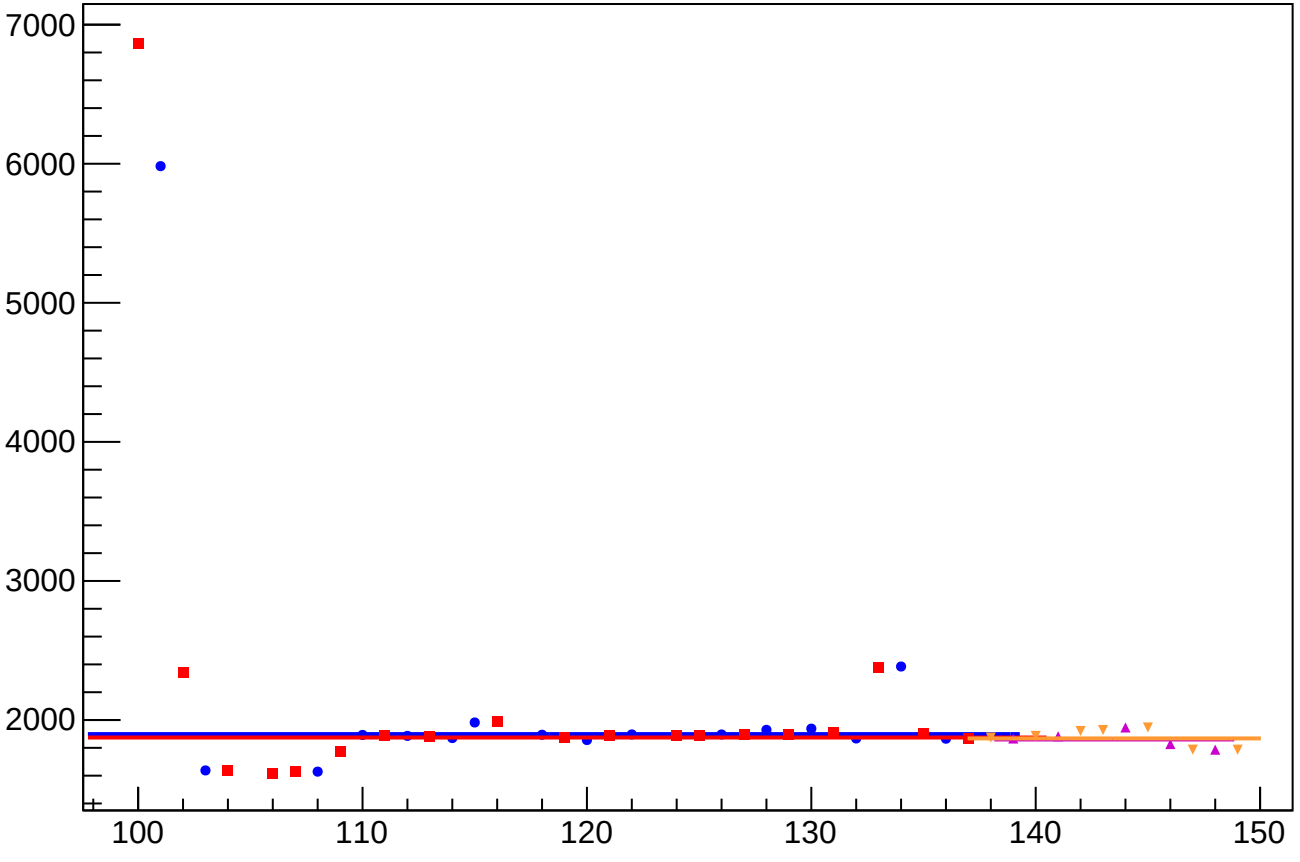
Left In: -99.076+/-889.616 χ^2/NDF:5.0/4

+ sign -270.075+/-538.698 χ^2/NDF: 25.9/22

All: -254.785+/-385.329 χ^2/NDF: 40.9/46

- 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: 1867.799+/-0.571 χ^2/NDF:11927.7/6

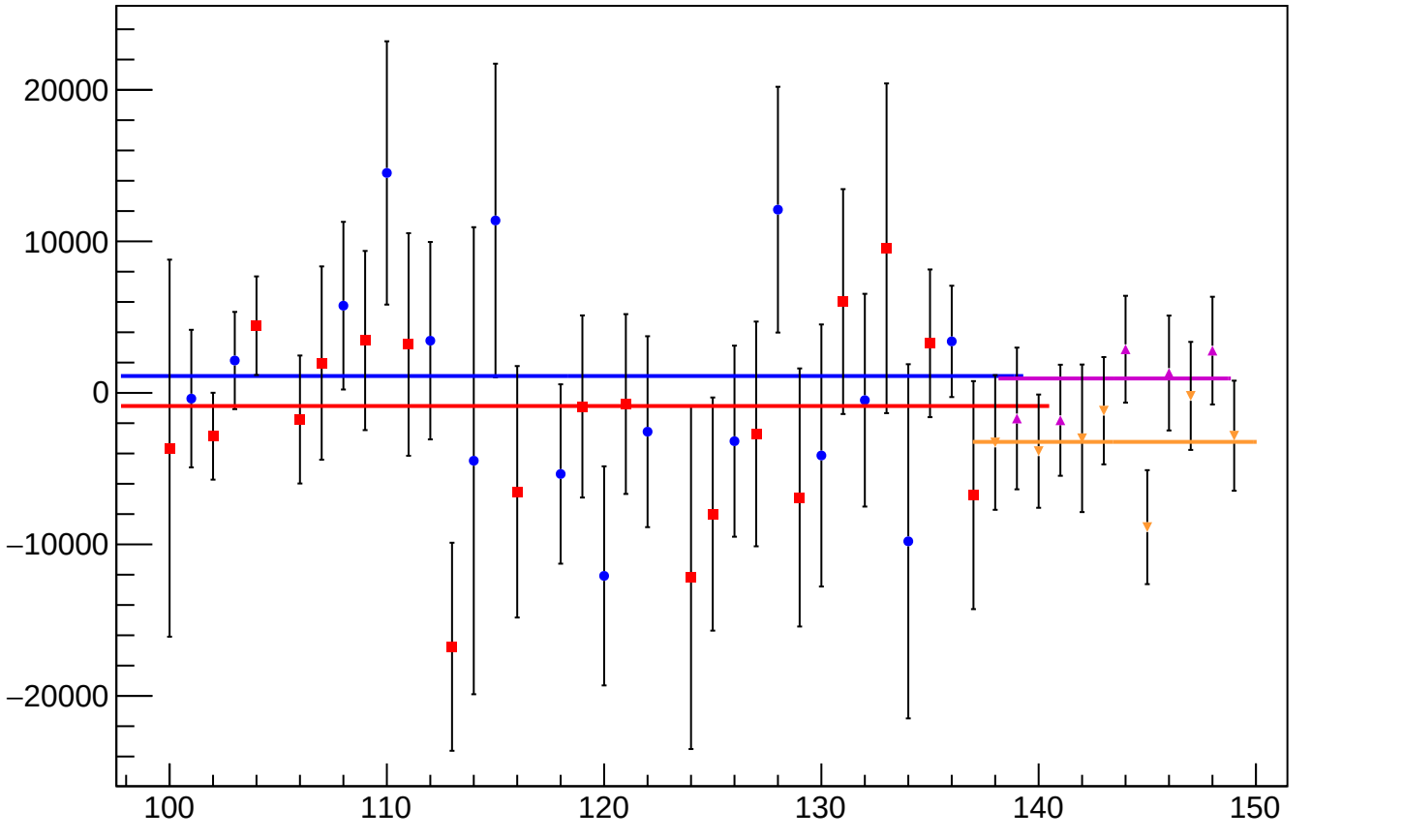
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1860.054+/-0.629 χ^2/NDF:7251.2/4

+ sign 1885.017+/-0.381 χ^2/NDF: 711080.6/22

All: 1877.090+/-0.272 χ^2/NDF: 927188.9/46

- 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: -3234.064+/-1459.740 χ^2/NDF:3.3/6

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

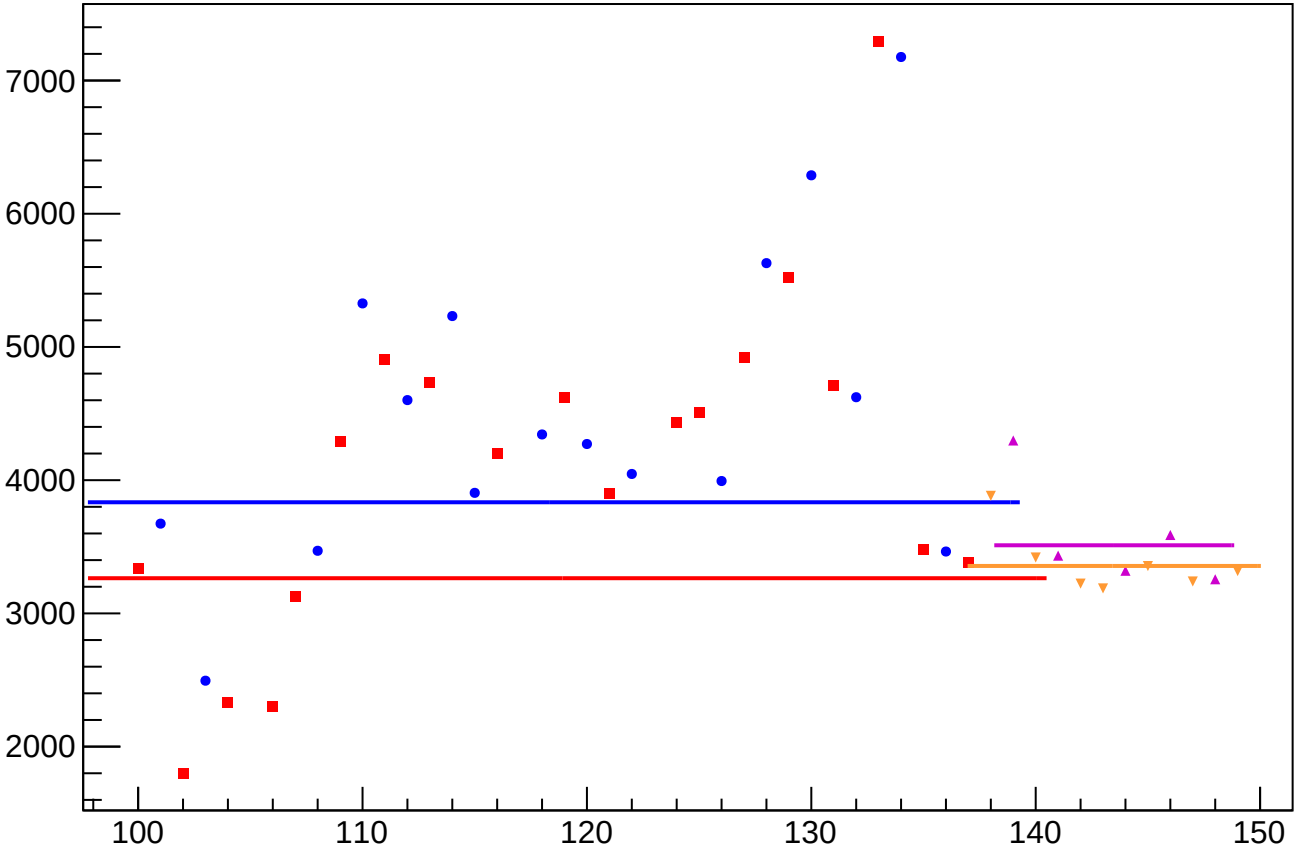
Left In: 949.980+/-1691.834 χ^2/NDF:1.5/4

+ sign -1089.556+/-1039.026 χ^2/NDF: 21.1/22

All: -636.643+/-733.067 χ^2/NDF: 39.3/46

- 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: 3356.154+/-1.032 χ^2/NDF:37018.8/6

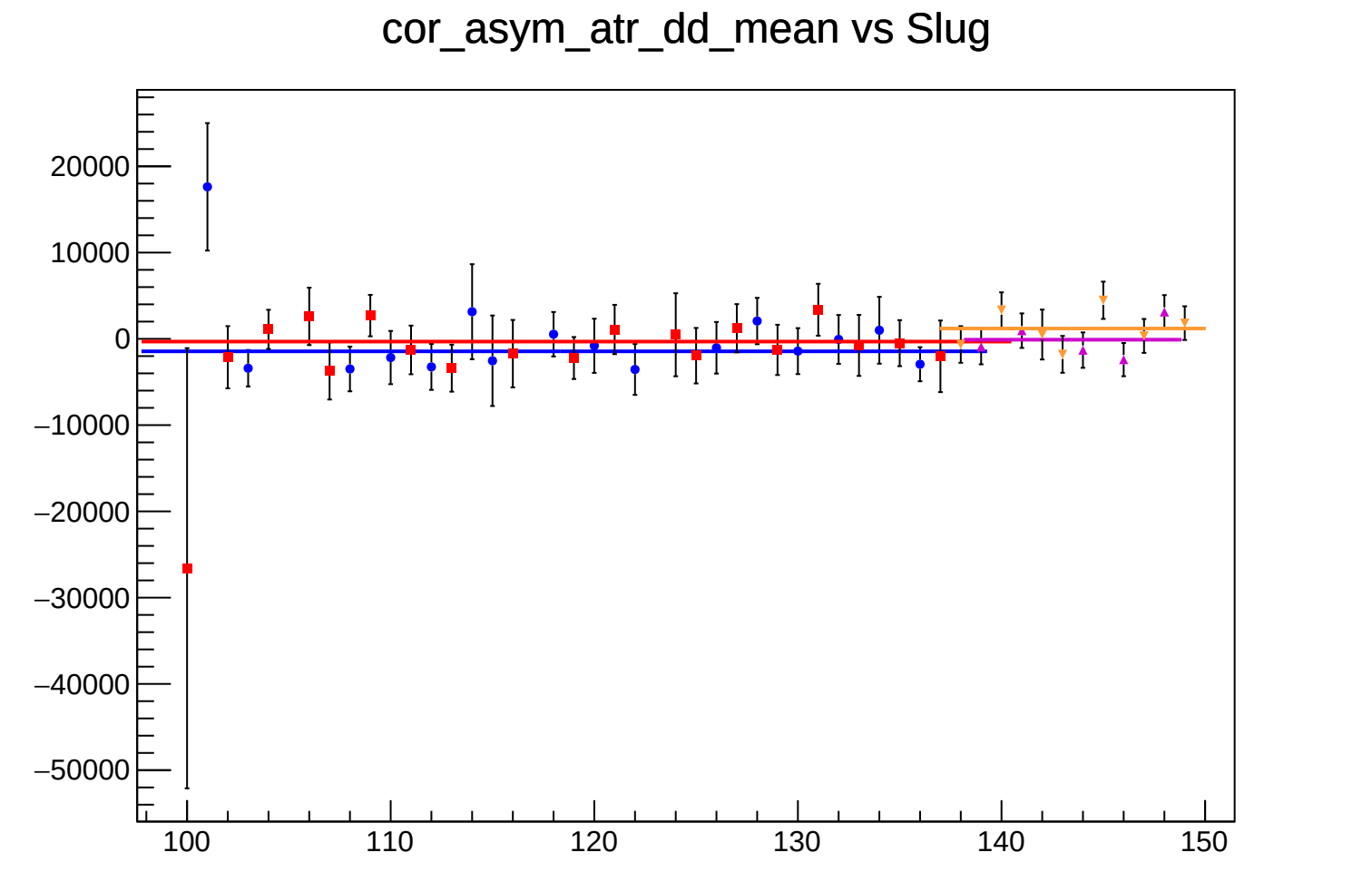
Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3511.301+/-1.196 χ^2/NDF:74509.1/4

+ sign 3591.983+/-0.735 χ^2/NDF: 1099601.3/22

All: 3473.727+/-0.518 χ^2/NDF: 3116671.8/46

- sign 3356.518+/-0.731 χ^2/NDF: 1965484.9/23



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1196.825+/-807.487 χ^2/NDF:6.5/6

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

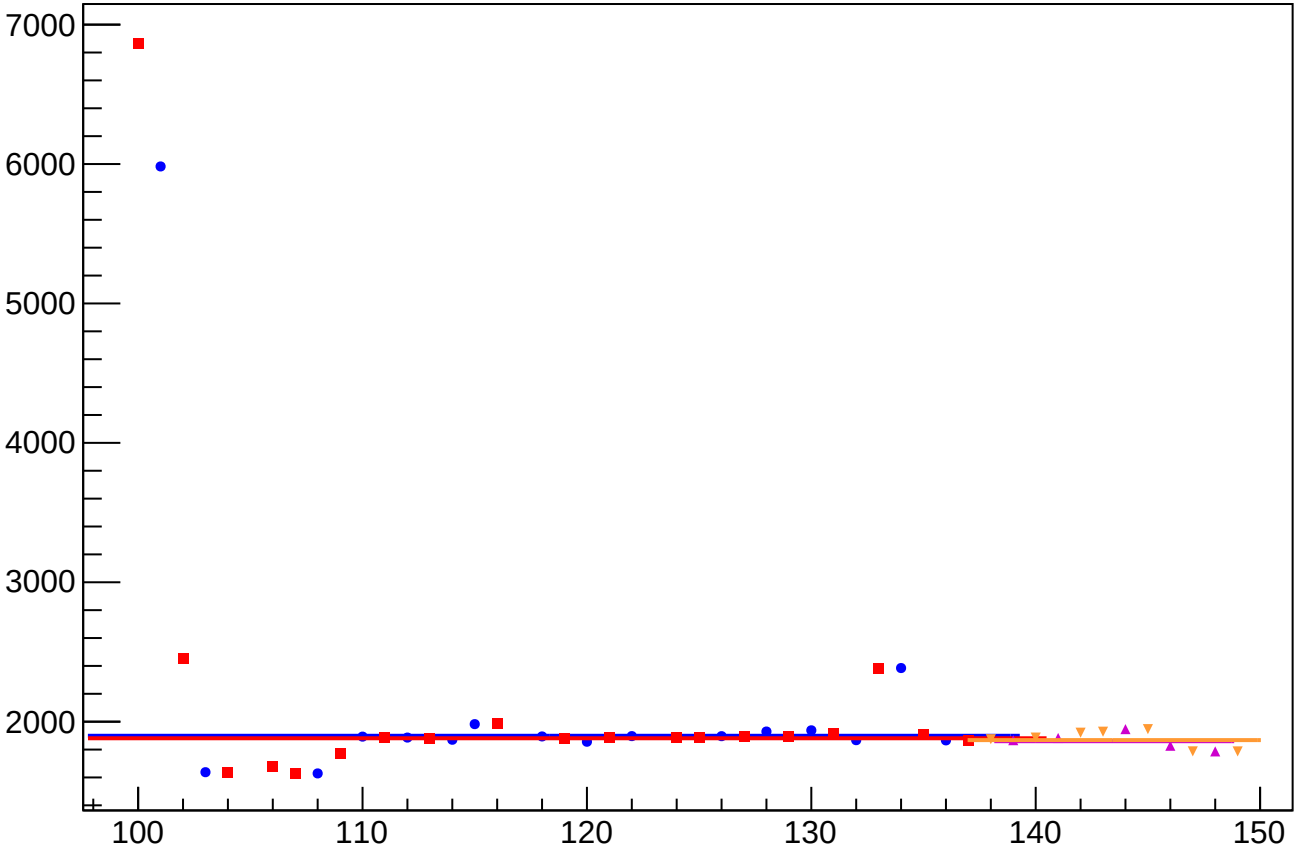
Left In: -98.936+/-889.616 χ^2/NDF:5.0/4

+ sign -270.299+/-538.698 χ^2/NDF: 25.9/22

All: -251.680+/-385.485 χ^2/NDF: 40.8/46

- 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: 1867.799+/-0.571 χ^2/NDF:11927.7/6

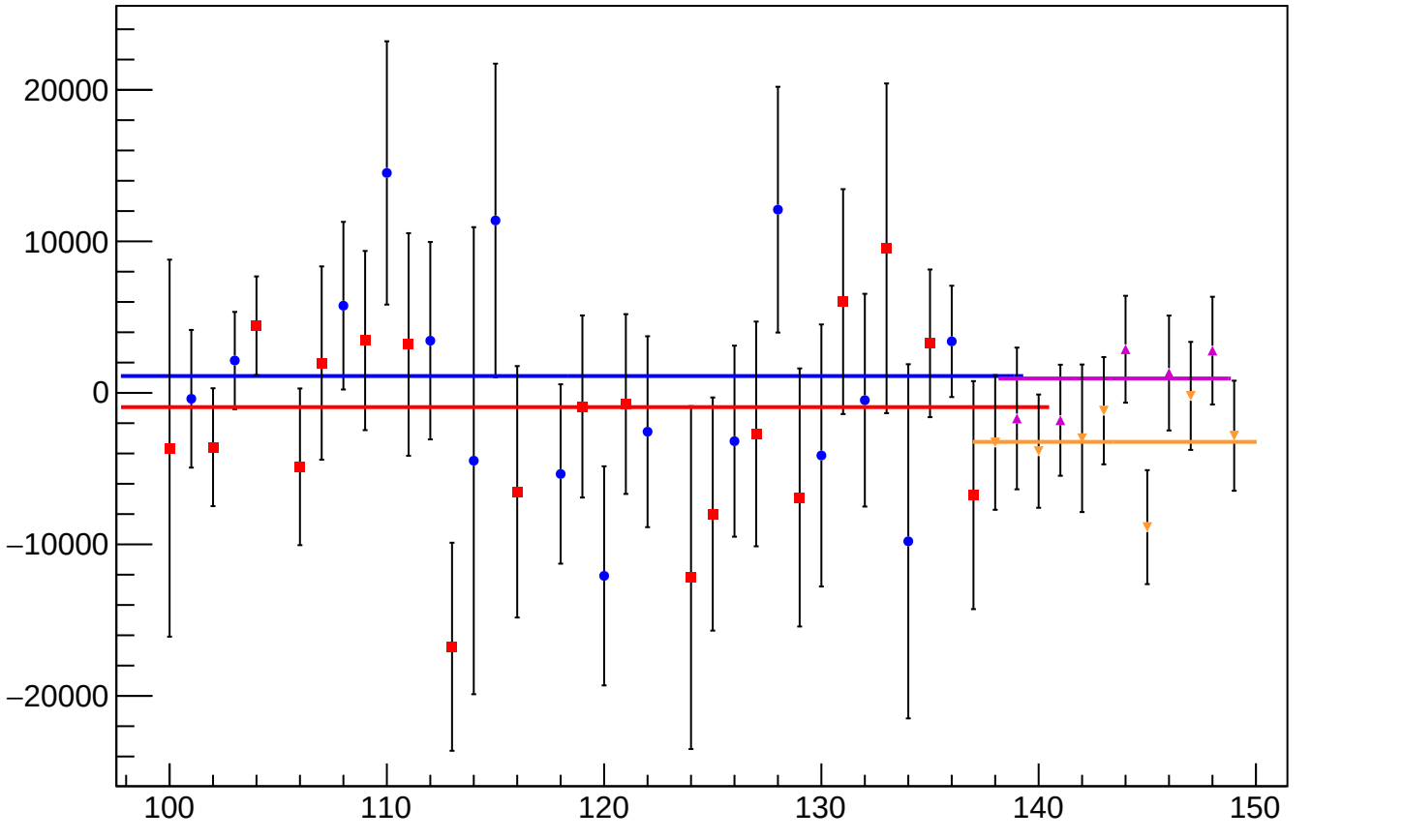
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1860.054+/-0.629 χ^2/NDF:7251.2/4

+ sign 1885.017+/-0.381 χ^2/NDF: 711080.7/22

All: 1879.128+/-0.272 χ^2/NDF: 936069.0/46

- 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: -3234.008+/-1459.738 χ^2/NDF:3.3/6

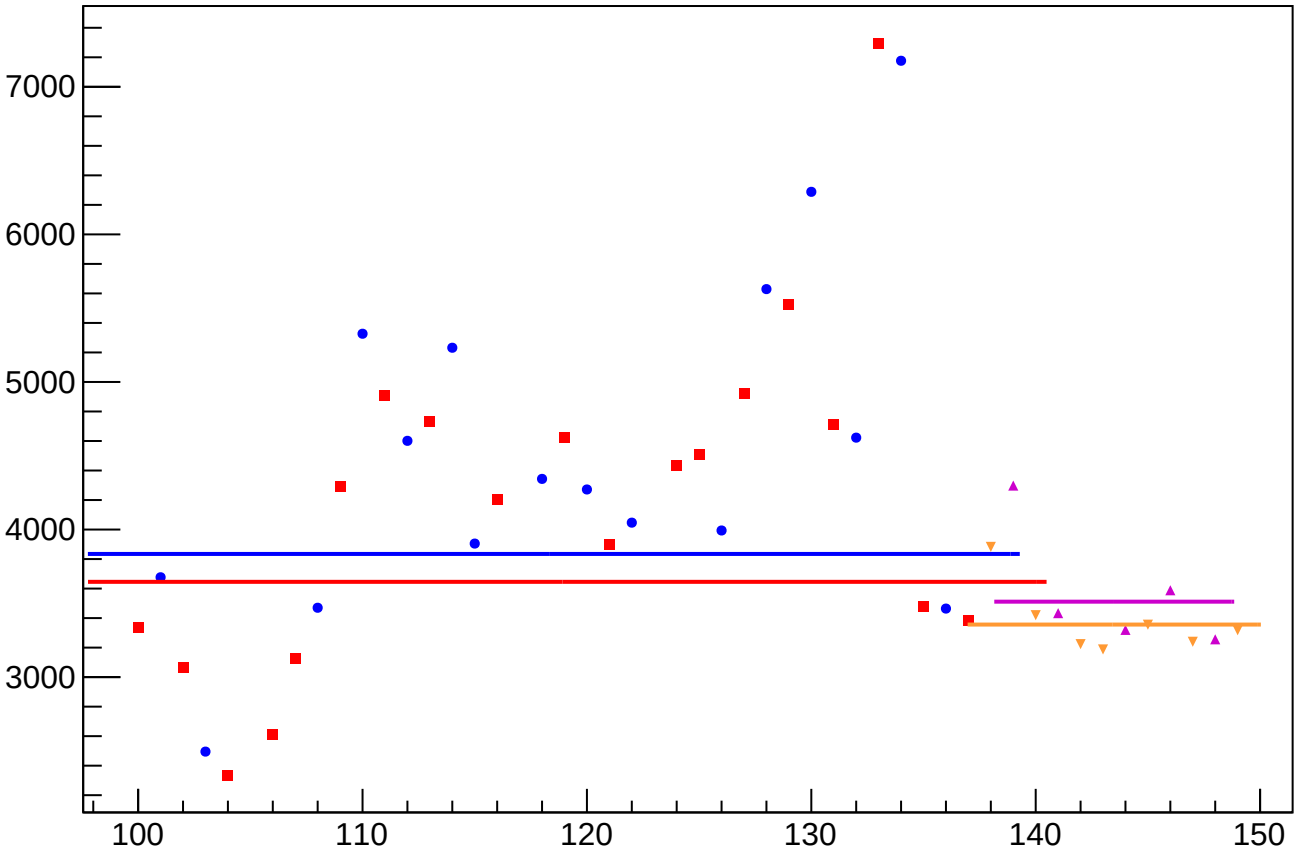
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 950.148+/-1691.830 χ^2/NDF:1.5/4

\+ sign -1090.362+/-1039.086 χ^2/NDF: 21.1/22

All: -648.515+/-748.168 χ^2/NDF: 39.9/46

\- 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: 3356.149+/-1.032 χ^2/NDF:37020.5/6

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

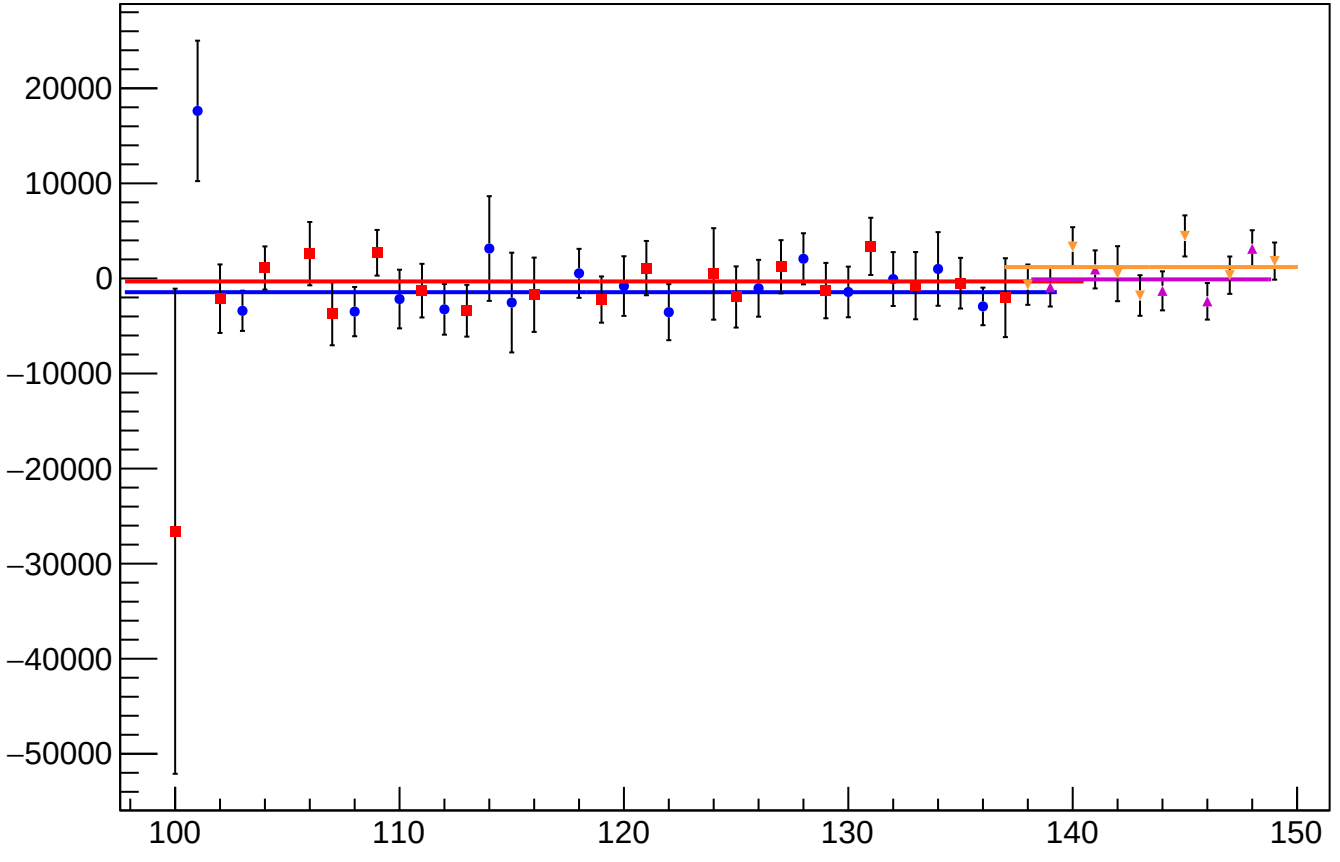
Left In: 3511.293+/-1.196 χ^2/NDF:74508.1/4

+ sign 3592.212+/-0.735 χ^2/NDF: 1099362.2/22

All: 3591.682+/-0.529 χ^2/NDF: 2306348.3/46

- 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: 1196.825+/-807.487 χ^2/NDF:6.5/6

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

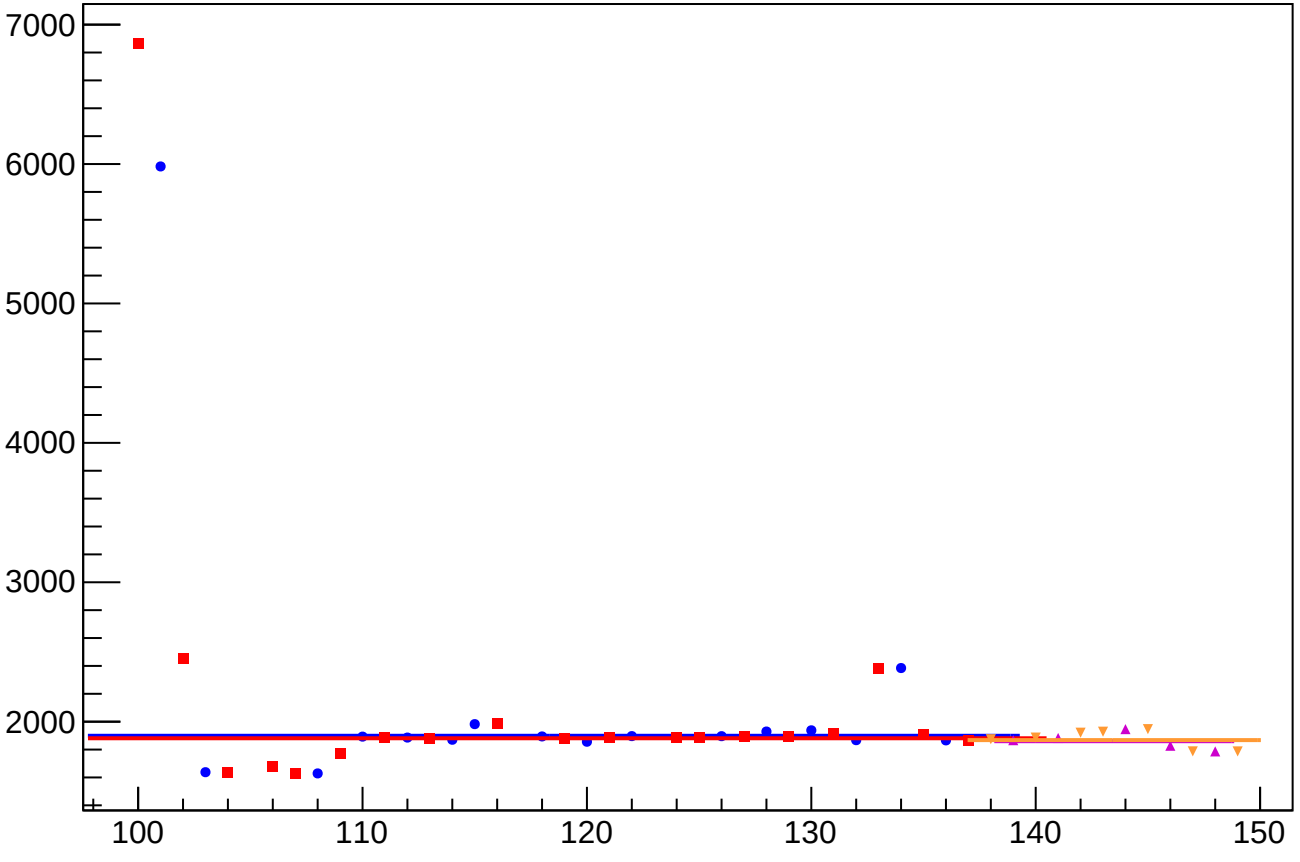
Left In: -98.936+/-889.616 χ^2/NDF:5.0/4

+ sign -270.299+/-538.698 χ^2/NDF: 25.9/22

All: -251.680+/-385.485 χ^2/NDF: 40.8/46

- 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: 1867.799+/-0.571 χ^2/NDF:11927.7/6

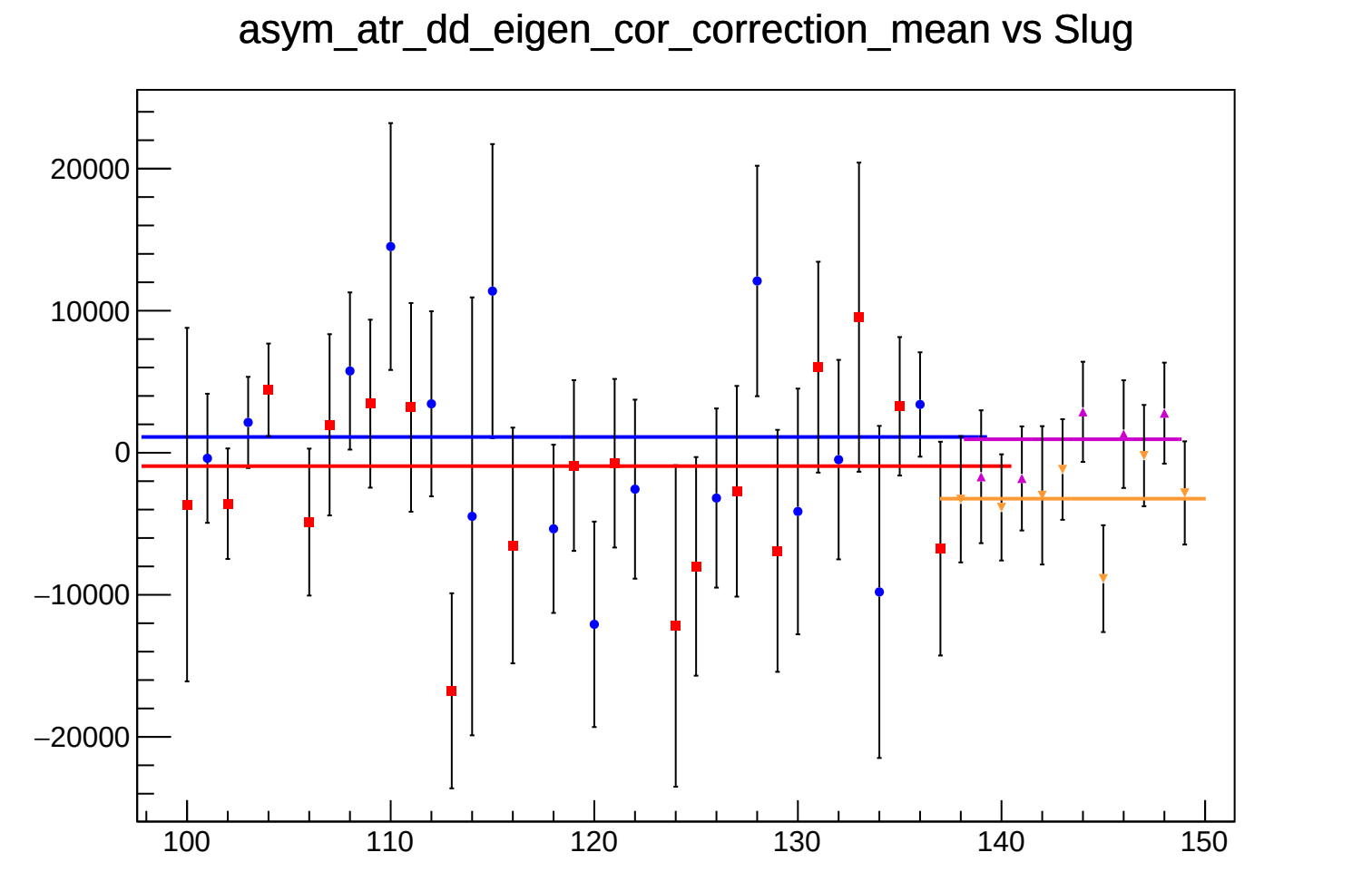
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1860.054+/-0.629 χ^2/NDF:7251.2/4

+ sign 1885.017+/-0.381 χ^2/NDF: 711080.7/22

All: 1879.128+/-0.272 χ^2/NDF: 936069.0/46

- 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: -3234.008+/-1459.738 χ^2/NDF:3.3/6

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

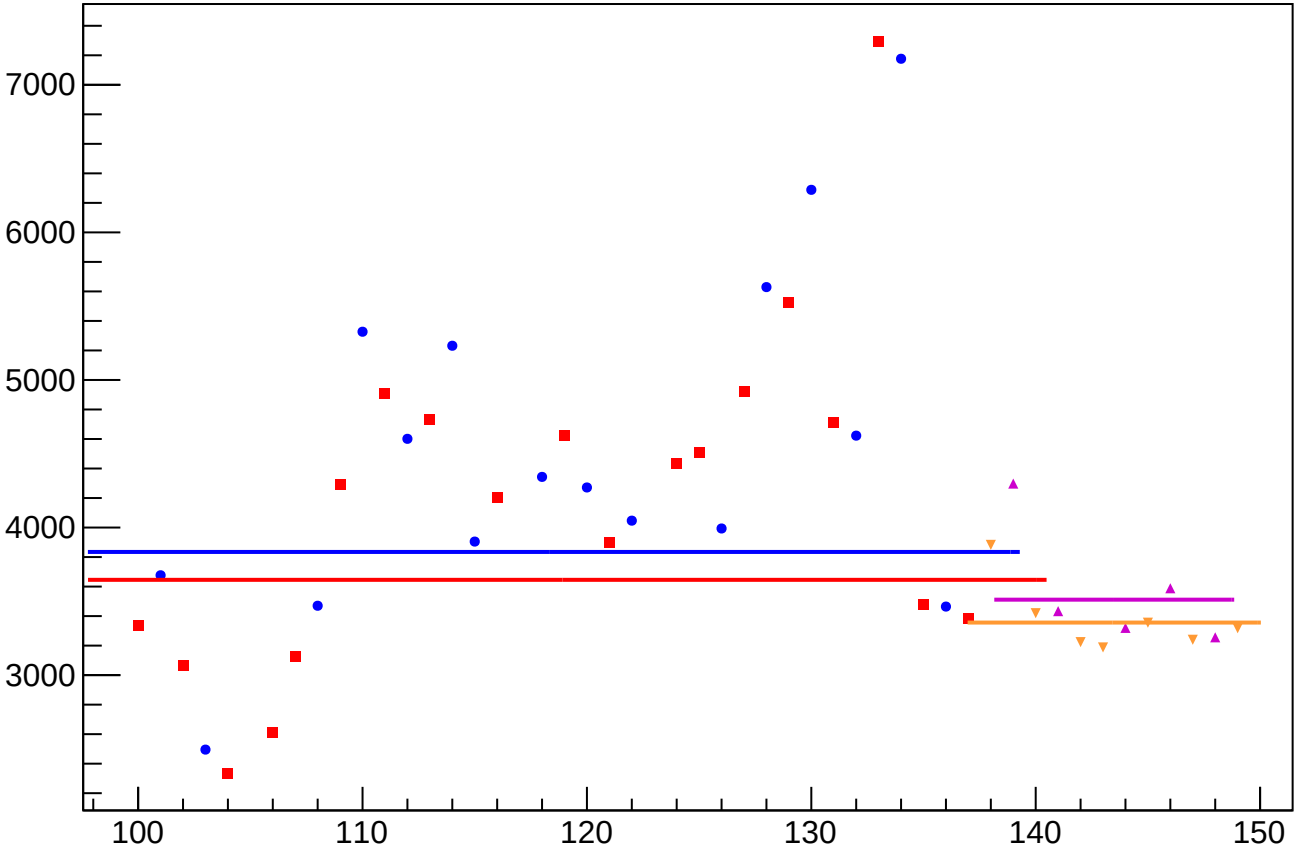
Left In: 950.148+/-1691.830 χ^2/NDF:1.5/4

+ sign -1090.362+/-1039.086 χ^2/NDF: 21.1/22

All: -648.515+/-748.168 χ^2/NDF: 39.9/46

- sign -172.836+/-1078.134 χ^2/NDF: 18.4/23

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3356.149+/-1.032 χ^2/NDF:37020.5/6

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

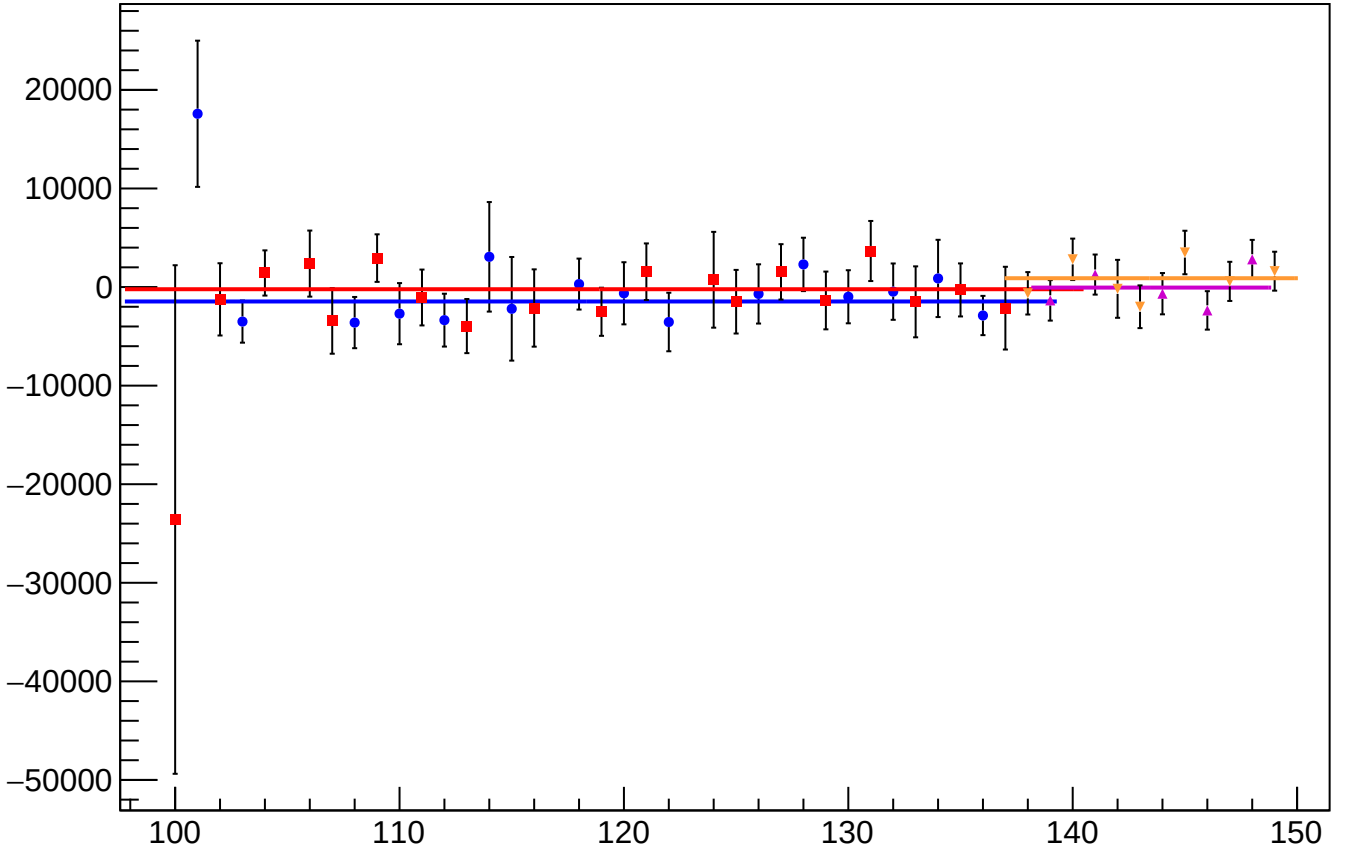
Left In: 3511.293+/-1.196 χ^2/NDF:74508.1/4

+ sign 3592.212+/-0.735 χ^2/NDF: 1099362.2/22

All: 3591.682+/-0.529 χ^2/NDF: 2306348.3/46

- 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: 896.296+/-820.188 χ^2/NDF:4.8/6

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

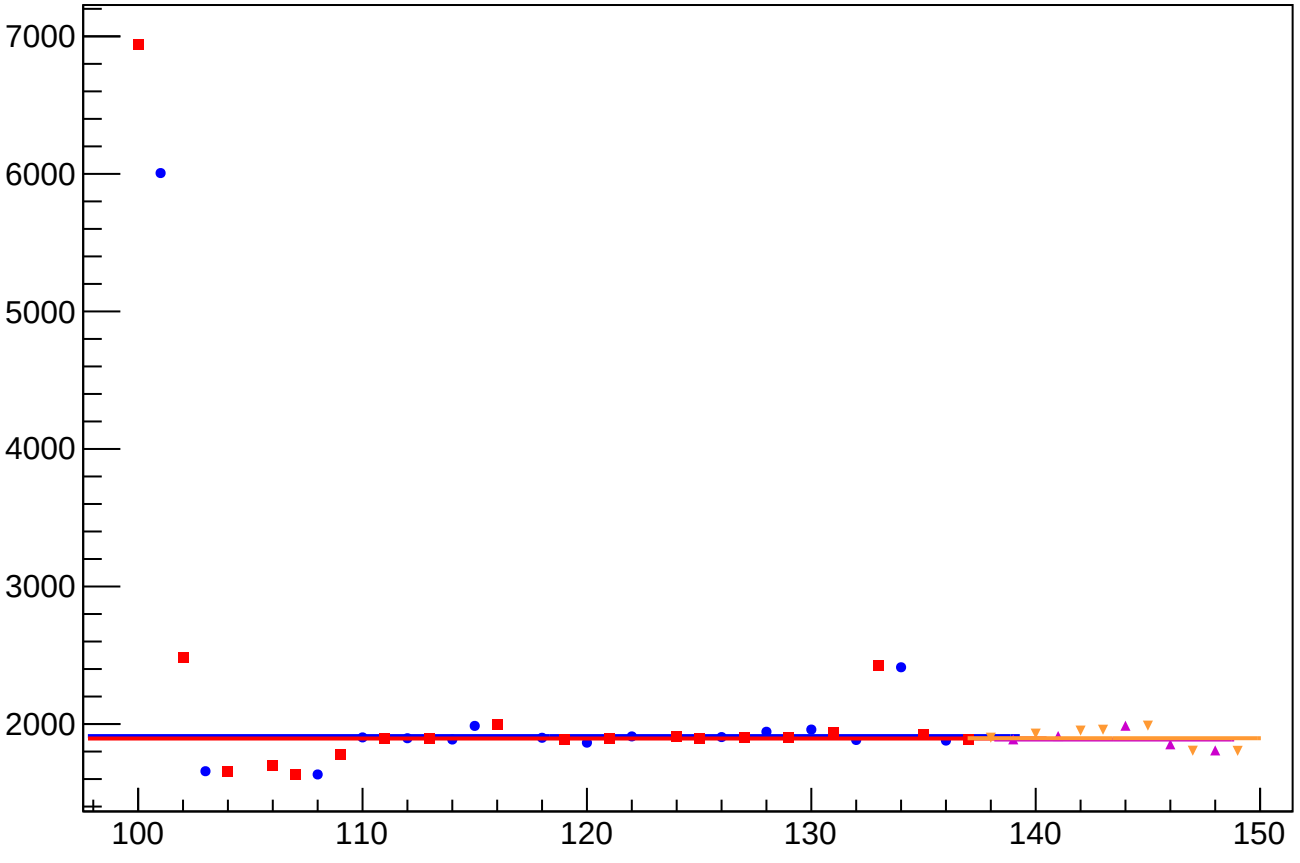
Left In: -53.908+/-902.780 χ^2/NDF:4.4/4

+ sign -422.702+/-544.576 χ^2/NDF: 23.0/22

All: -292.721+/-389.571 χ^2/NDF: 38.4/46

- 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: 1896.861+/-0.580 χ^2/NDF:14784.3/6

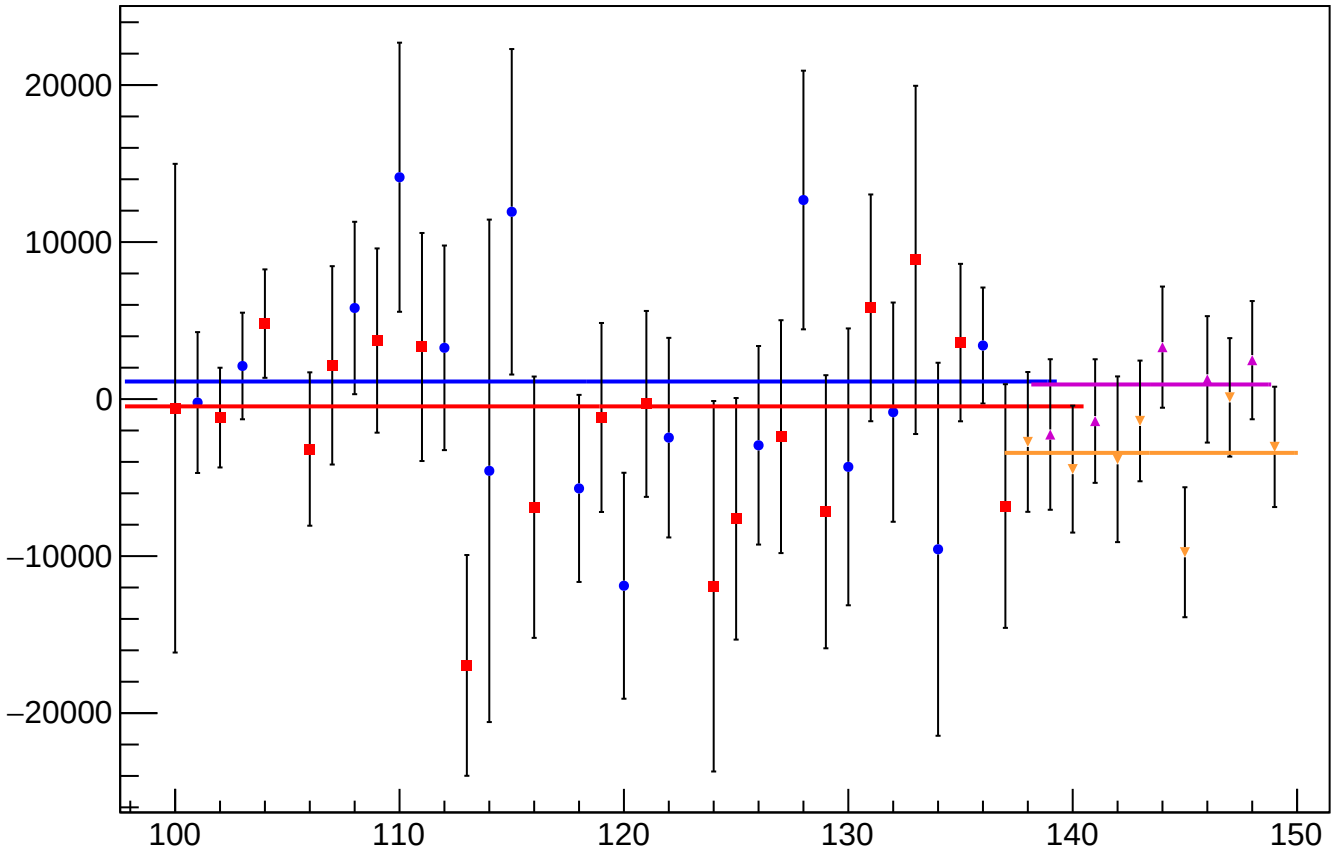
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1887.385+/-0.638 χ^2/NDF:8752.6/4

+ sign 1905.537+/-0.385 χ^2/NDF: 711404.8/22

All: 1898.901+/-0.275 χ^2/NDF: 940629.6/46

- sign 1891.954+/-0.394 χ^2/NDF: 228616.9/23



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -3425.488+/-1557.934 χ^2/NDF:3.6/6

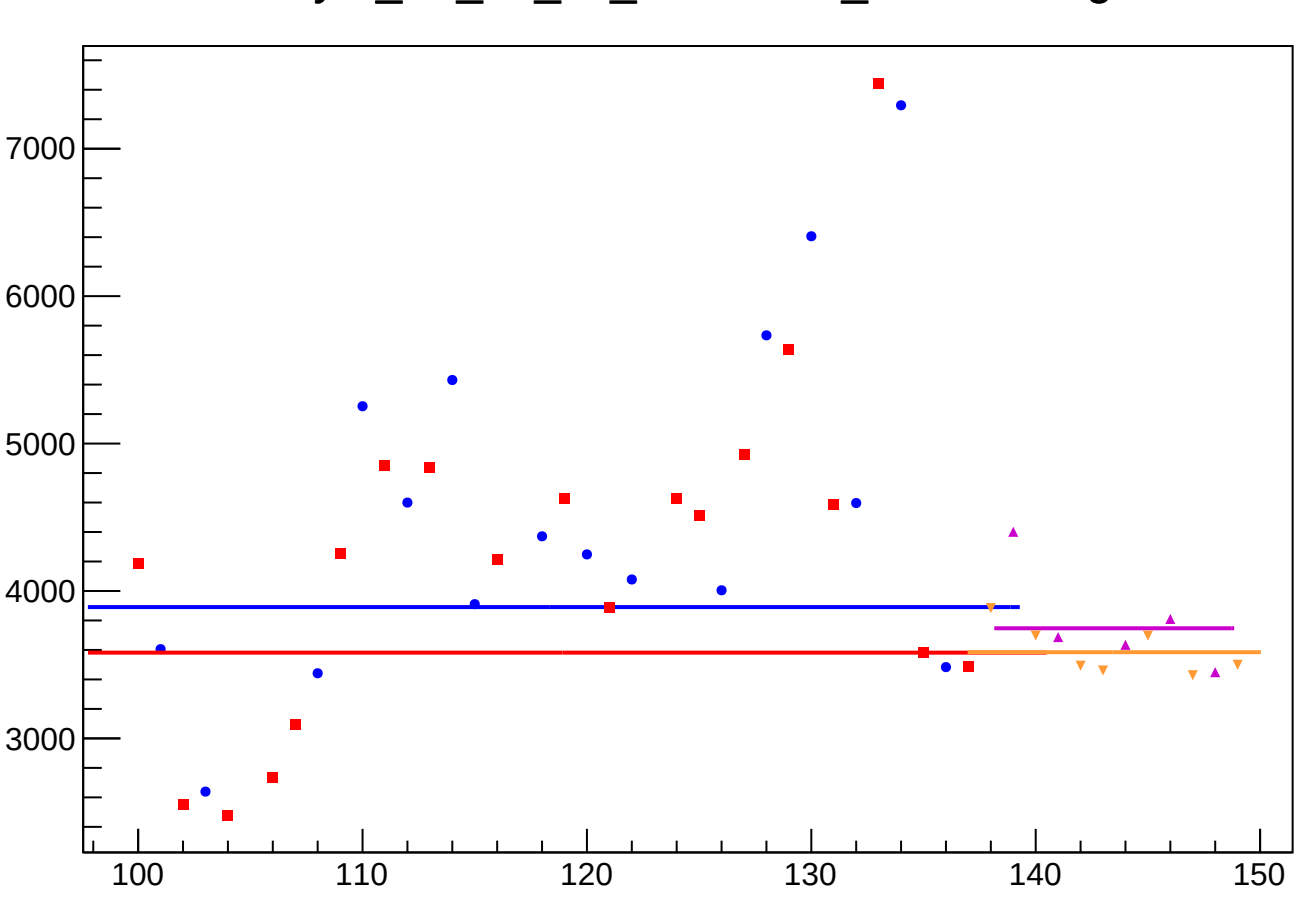
Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 930.800+/-1803.422 χ^2/NDF:1.3/4

+ sign -1063.042+/-1079.689 χ^2/NDF: 21.5/22

All: -514.200+/-767.538 χ^2/NDF: 38.7/46

- 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: 3584.853+/-1.102 χ^2/NDF:19161.5/6

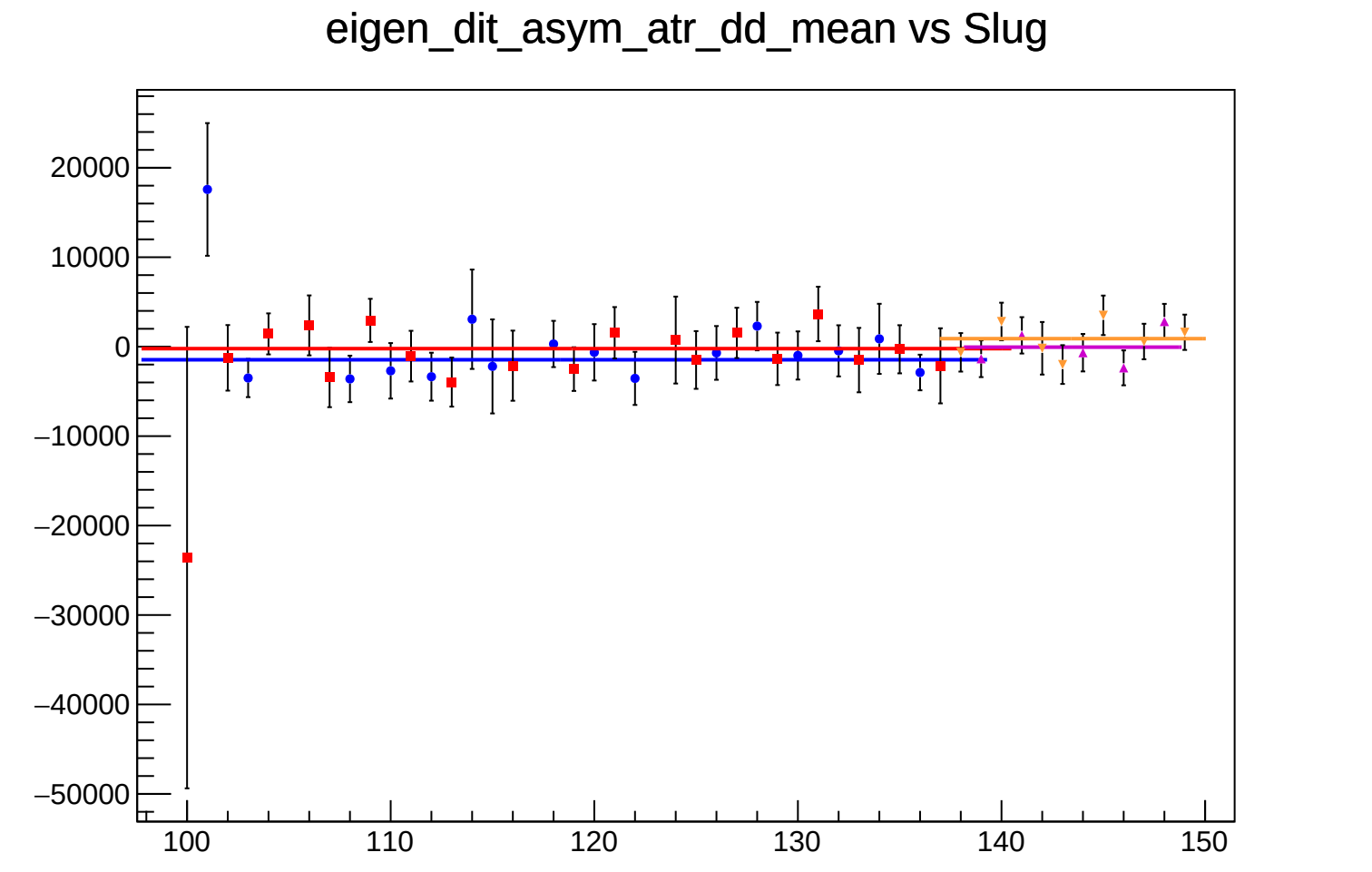
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3747.040+/-1.275 χ^2/NDF:52448.4/4

+ sign 3743.810+/-0.763 χ^2/NDF: 937641.4/22

All: 3693.598+/-0.543 χ^2/NDF: 2231334.3/46

- sign 3642.298+/-0.772 χ^2/NDF: 1284948.0/23



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 896.294+/-820.188 χ^2/NDF:4.8/6

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

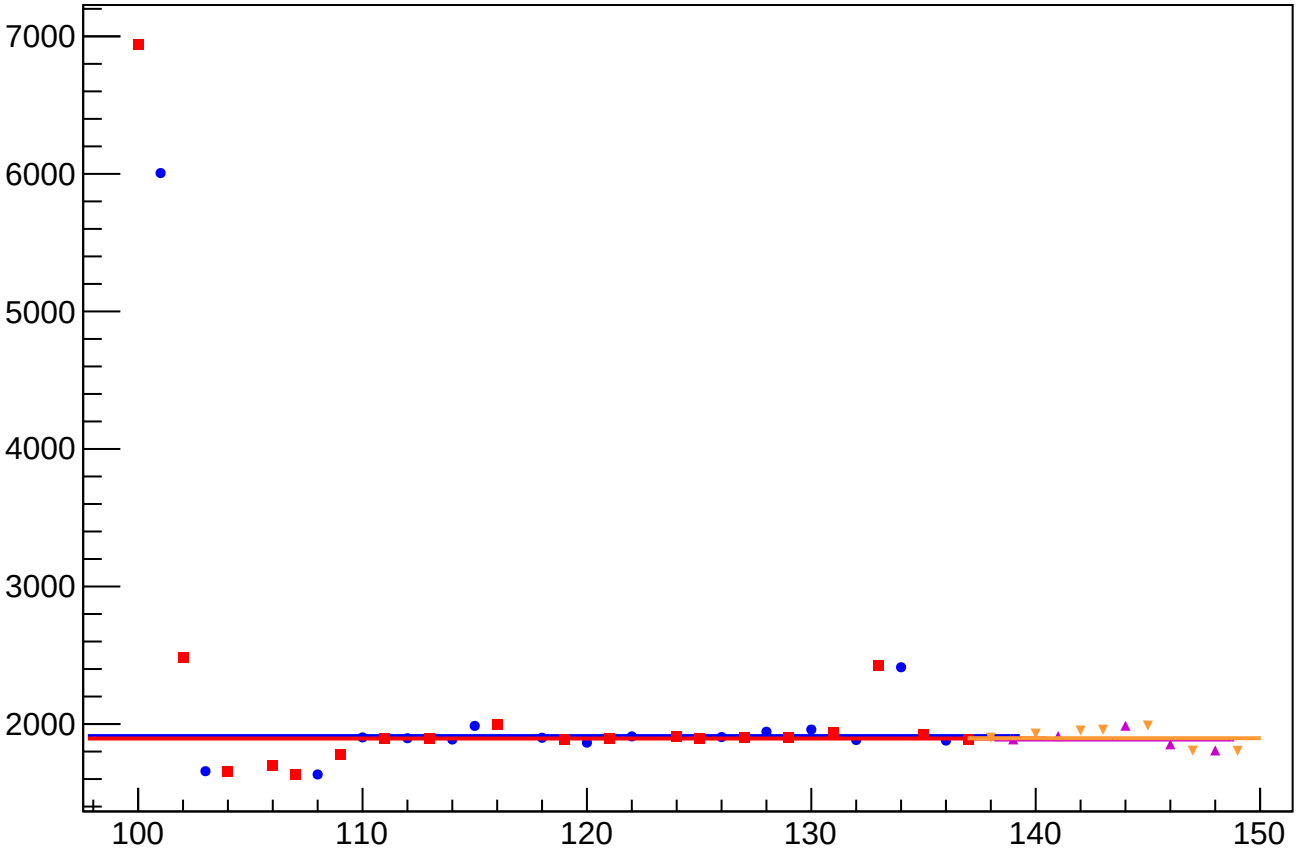
Left In: -53.913+/-902.781 χ^2/NDF:4.4/4

+ sign -422.706+/-544.577 χ^2/NDF: 23.0/22

All: -292.723+/-389.571 χ^2/NDF: 38.4/46

- 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: 1896.862+/-0.580 χ^2/NDF:14784.3/6

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

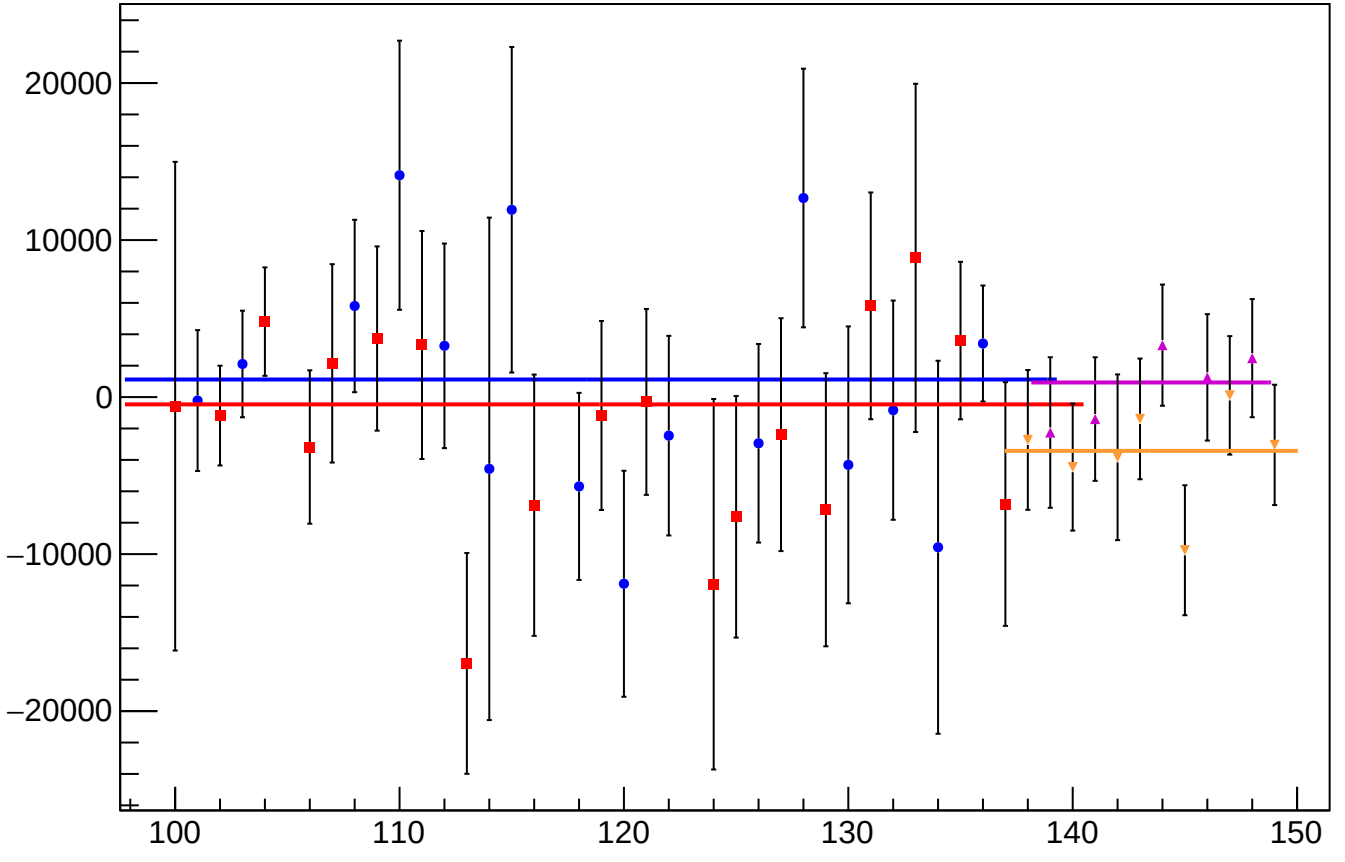
Left In: 1887.385+/-0.638 χ^2/NDF:8752.6/4

+ sign 1905.538+/-0.385 χ^2/NDF: 711404.7/22

All: 1898.901+/-0.275 χ^2/NDF: 940629.4/46

- sign 1891.954+/-0.394 χ^2/NDF: 228616.8/23

asym_atr_dd_eigen_dit_correction_mean vs Slug



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -3425.492+/-1557.936 χ^2/NDF:3.6/6

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

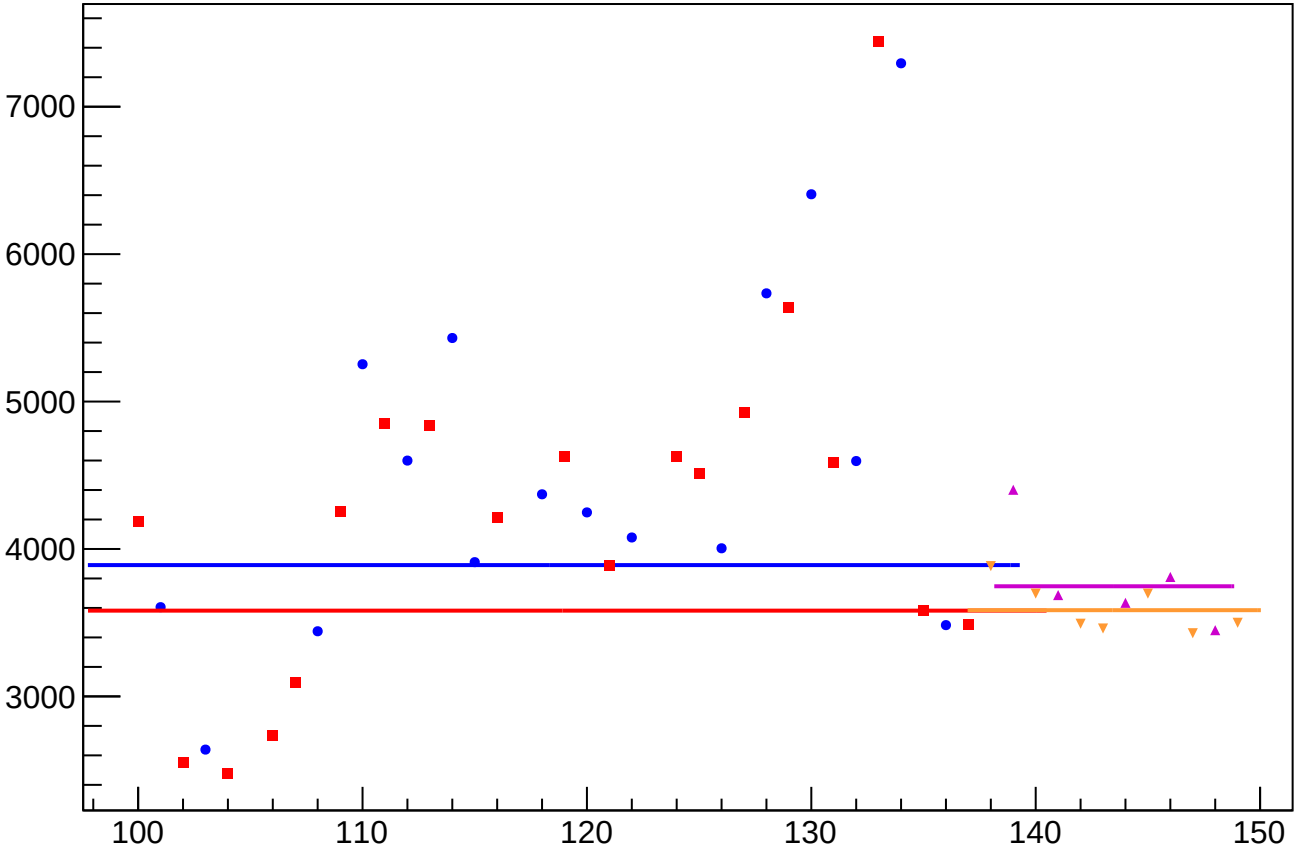
Left In: 930.794+/-1803.424 χ^2/NDF:1.3/4

+ sign -1063.045+/-1079.689 χ^2/NDF: 21.5/22

All: -514.203+/-767.538 χ^2/NDF: 38.7/46

- 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: 3584.858+/-1.102 χ^2/NDF:19161.4/6

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

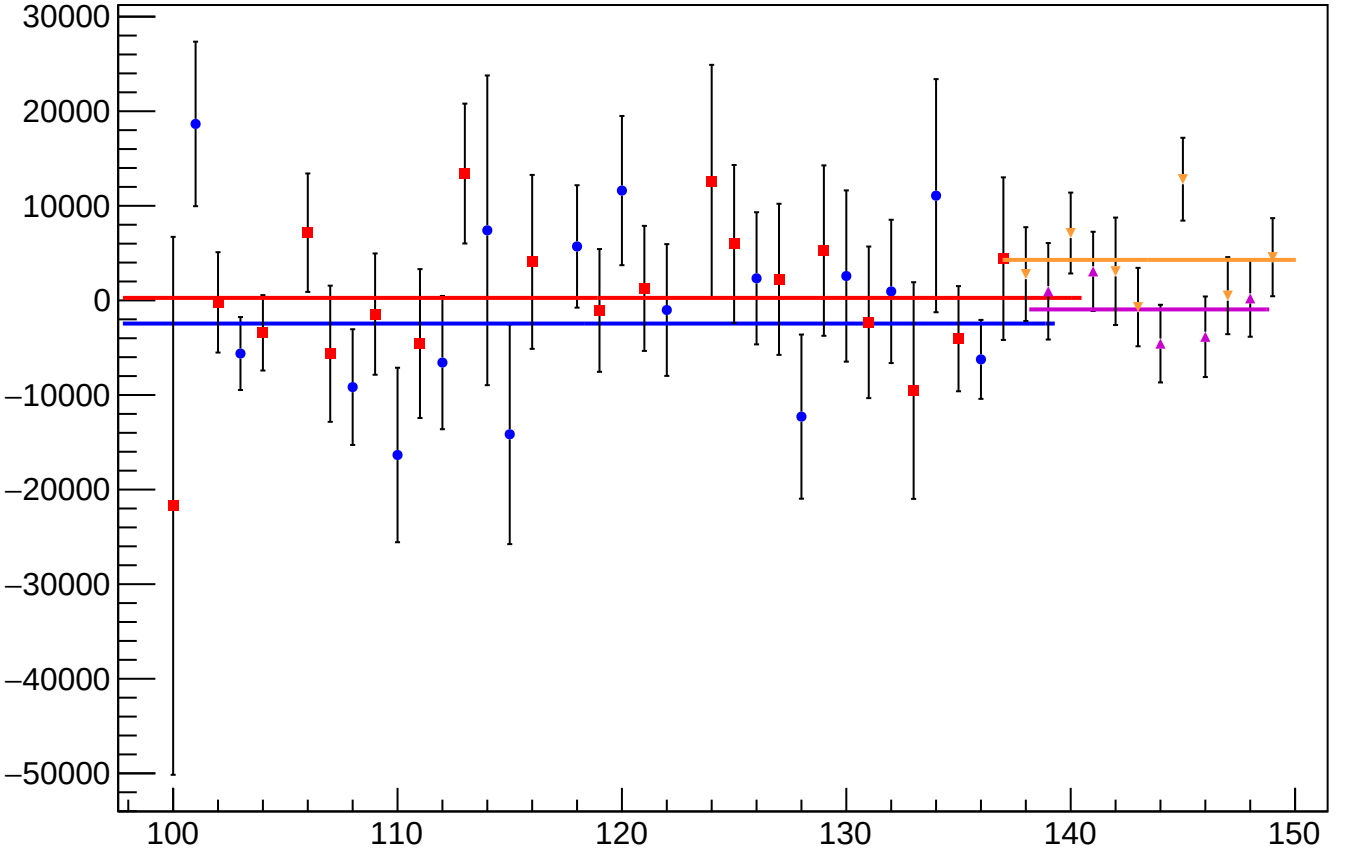
Left In: 3747.044+/-1.275 χ^2/NDF:52449.0/4

+ sign 3743.812+/-0.763 χ^2/NDF: 937630.3/22

All: 3693.599+/-0.543 χ^2/NDF: 2231316.4/46

- 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: 4283.802+/-1676.881 χ^2/NDF:6.7/6

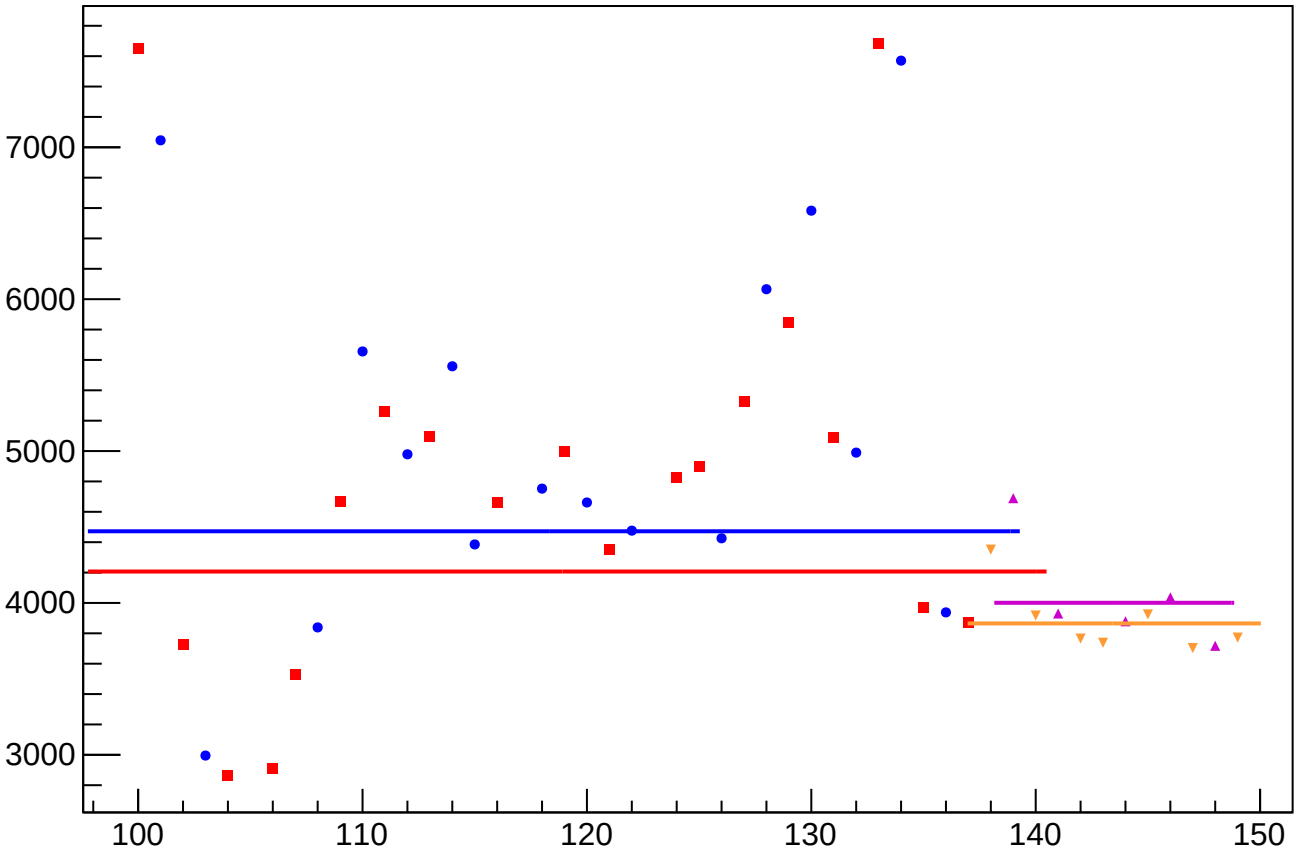
Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -952.610+/-1922.086 χ^2/NDF:2.4/4

+ sign 1002.613+/-1200.584 χ^2/NDF: 35.4/22

All: 400.752+/-862.492 χ^2/NDF: 49.2/46

- 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: 3865.056+/-1.186 χ^2/NDF:26541.8/6

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

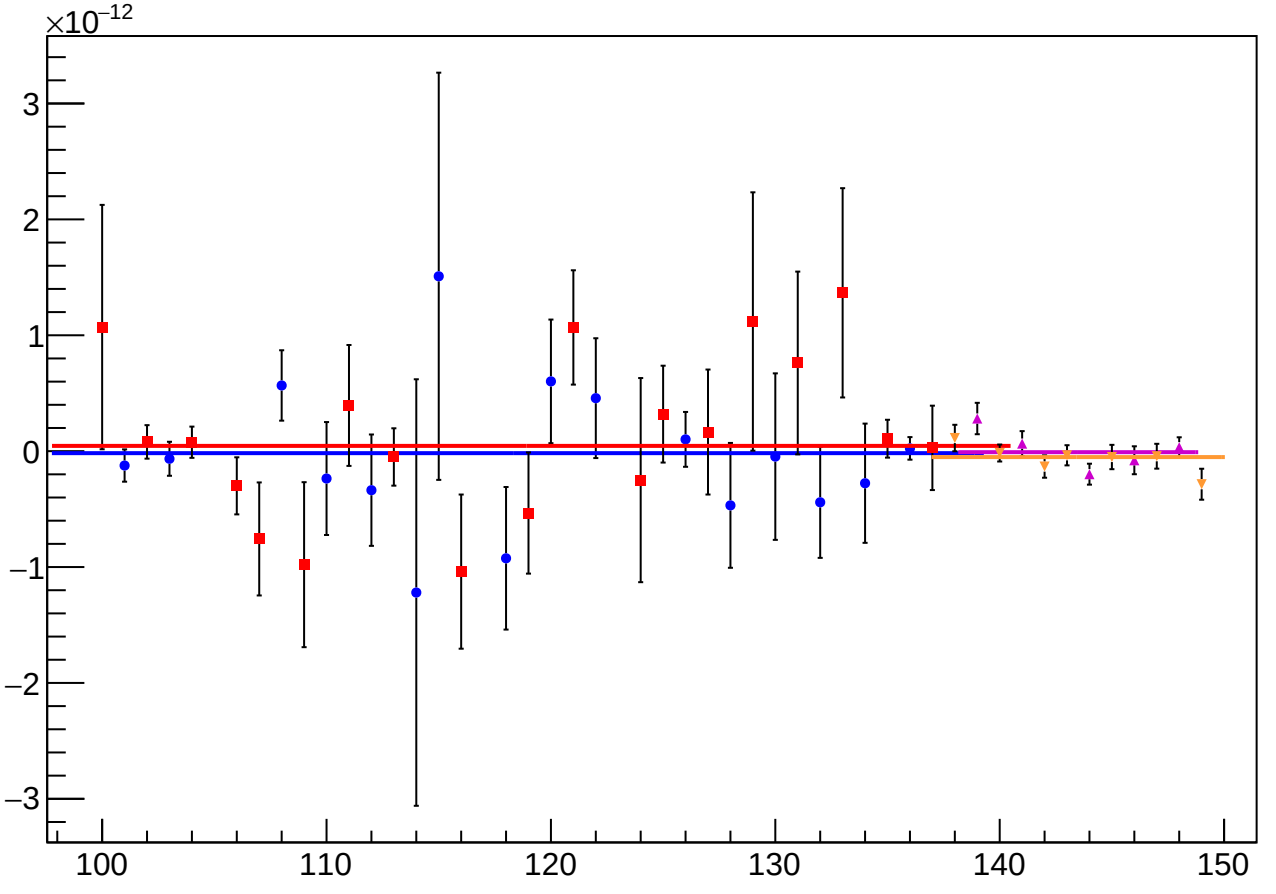
Left In: 4001.025+/-1.359 χ^2/NDF:48683.2/4

+ sign 4160.832+/-0.849 χ^2/NDF: 1045884.2/22

All: 4141.976+/-0.608 χ^2/NDF: 1955596.9/46

- 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:6.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

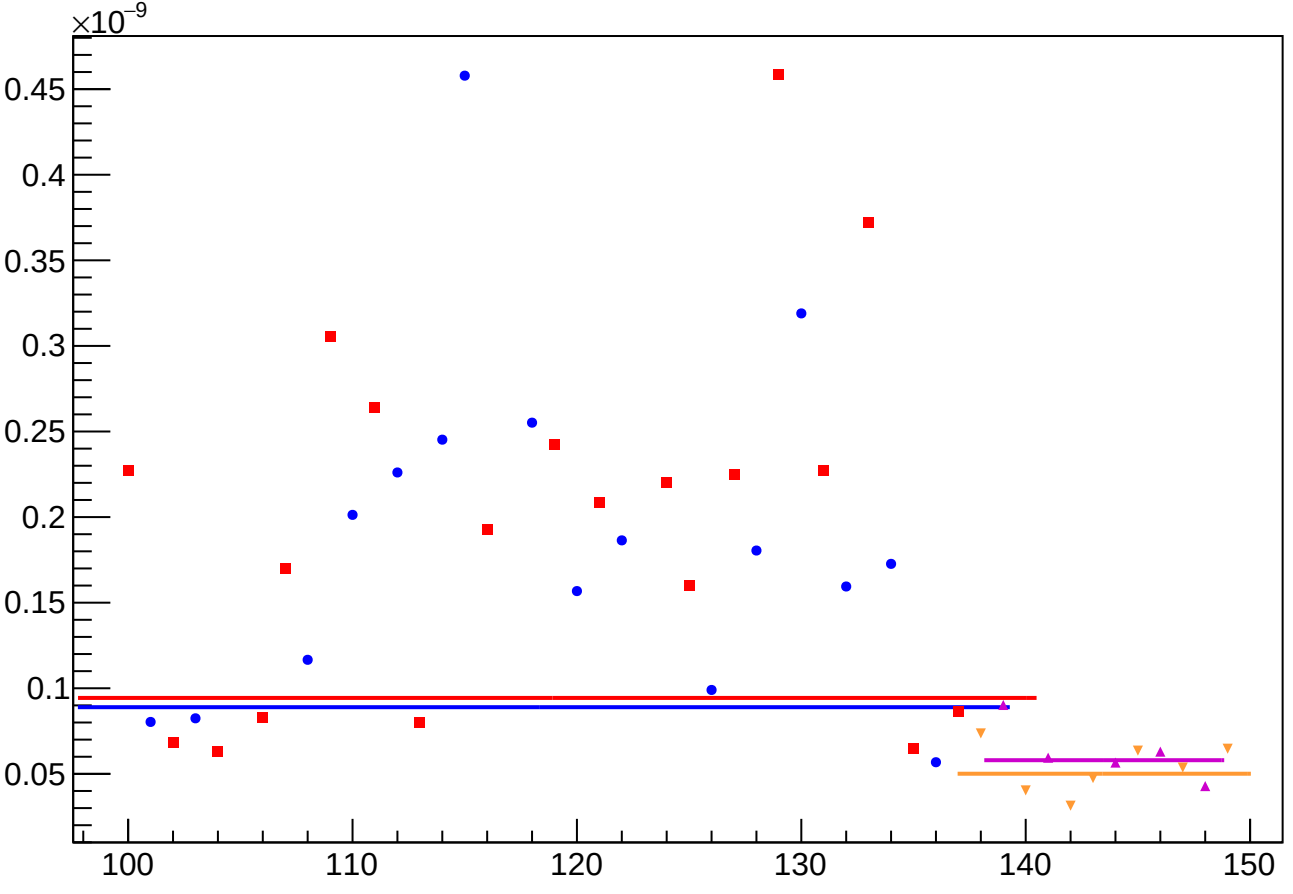
Left In: -0.000+/-0.000 χ^2/NDF:10.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 19.1/22

All: -0.000+/-0.000 χ^2/NDF: 51.9/46

- sign 0.000+/-0.000 χ^2/NDF: 31.7/23

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:256622.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

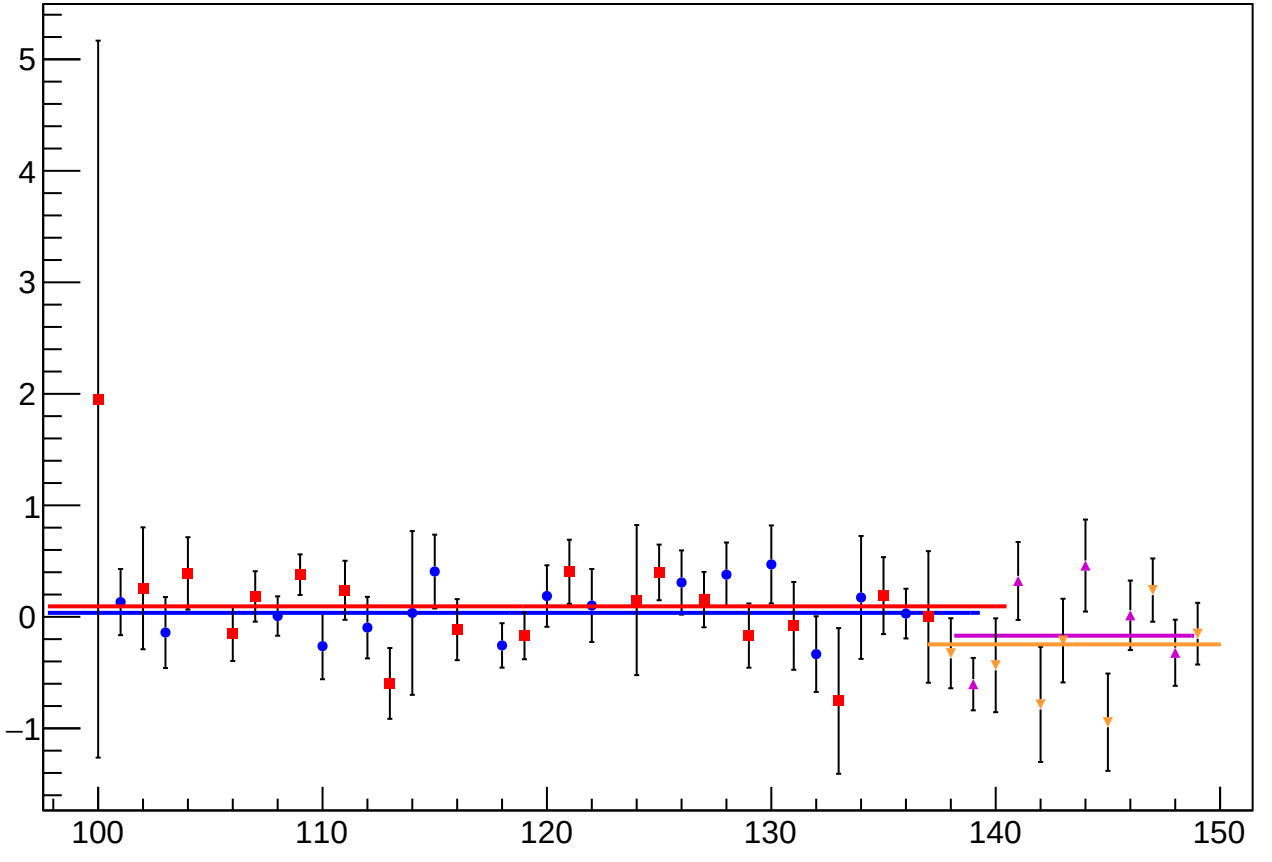
Left In: 0.000+/-0.000 χ^2/NDF:180238.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 2075395.2/22

All: 0.000+/-0.000 χ^2/NDF: 4408831.6/46

- sign 0.000+/-0.000 χ^2/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: -0.247+/-0.132 χ^2/NDF:7.0/6

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

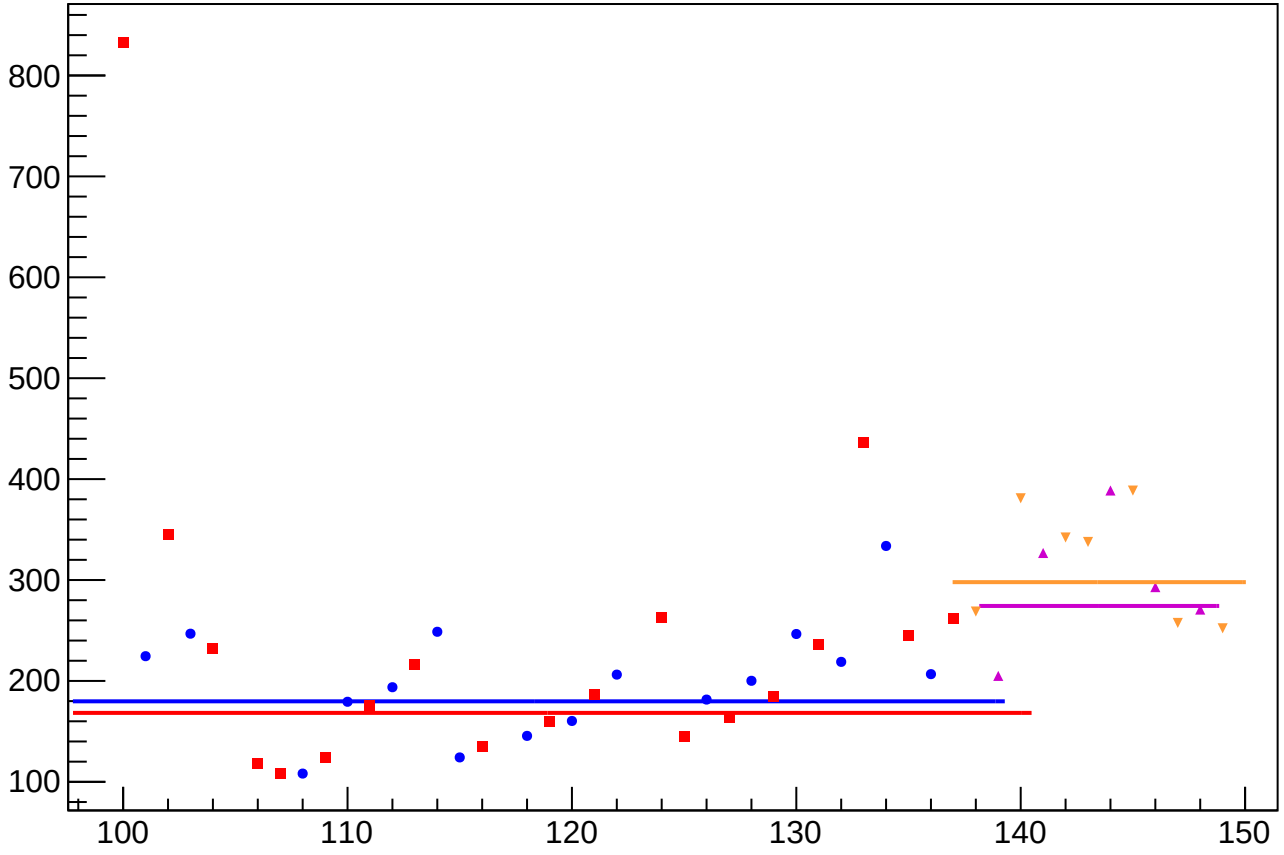
Left In: -0.169+/-0.136 χ^2/NDF:8.3/4

+ sign -0.027+/-0.062 χ^2/NDF: 21.1/22

All: 0.009+/-0.043 χ^2/NDF: 50.7/46

- 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: 297.899+/-0.093 χ^2/NDF:314073.2/6

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

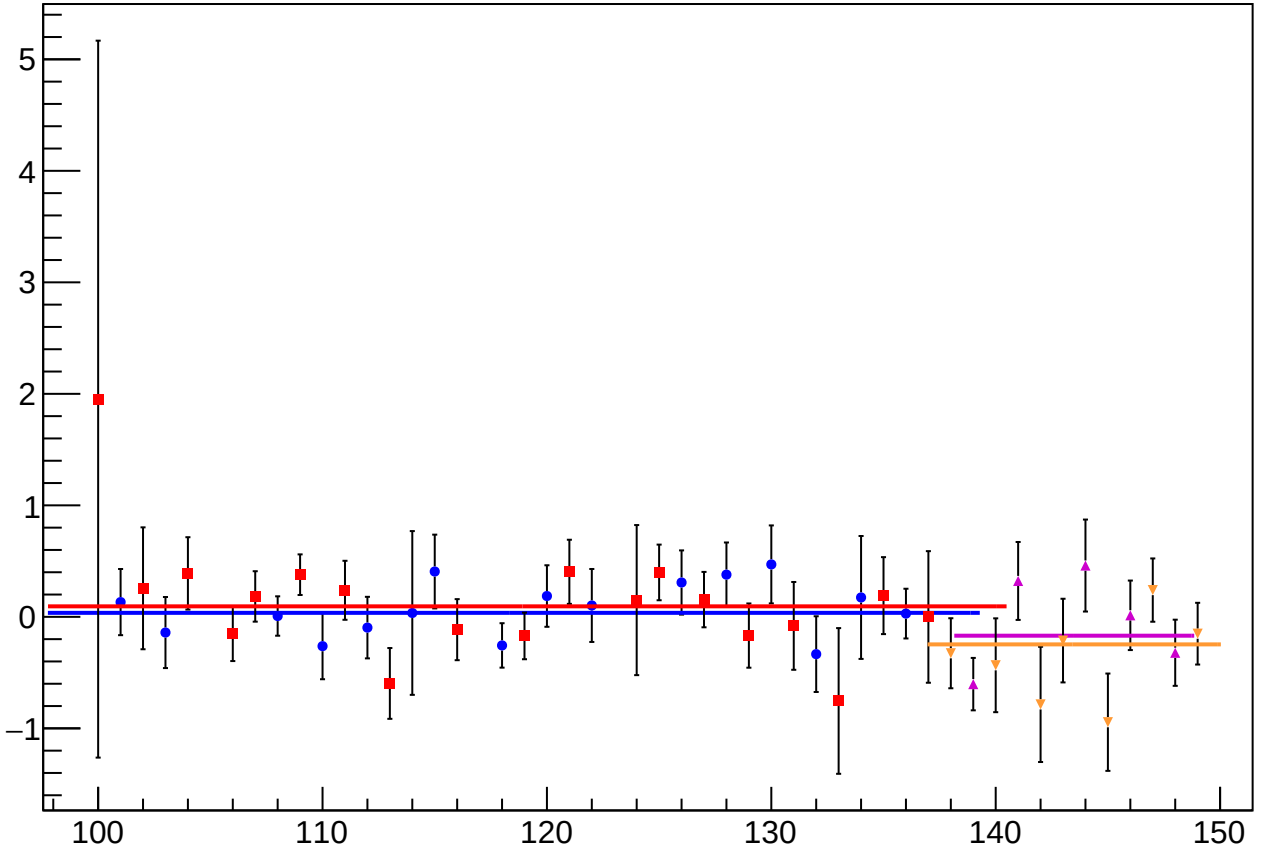
Left In: 274.308+/-0.096 χ^2/NDF:380301.9/4

+ sign 206.040+/-0.044 χ^2/NDF: 2477061.9/22

All: 197.429+/-0.031 χ^2/NDF: 5311266.2/46

- 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: -0.247+/-0.132 χ^2/NDF:7.0/6

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

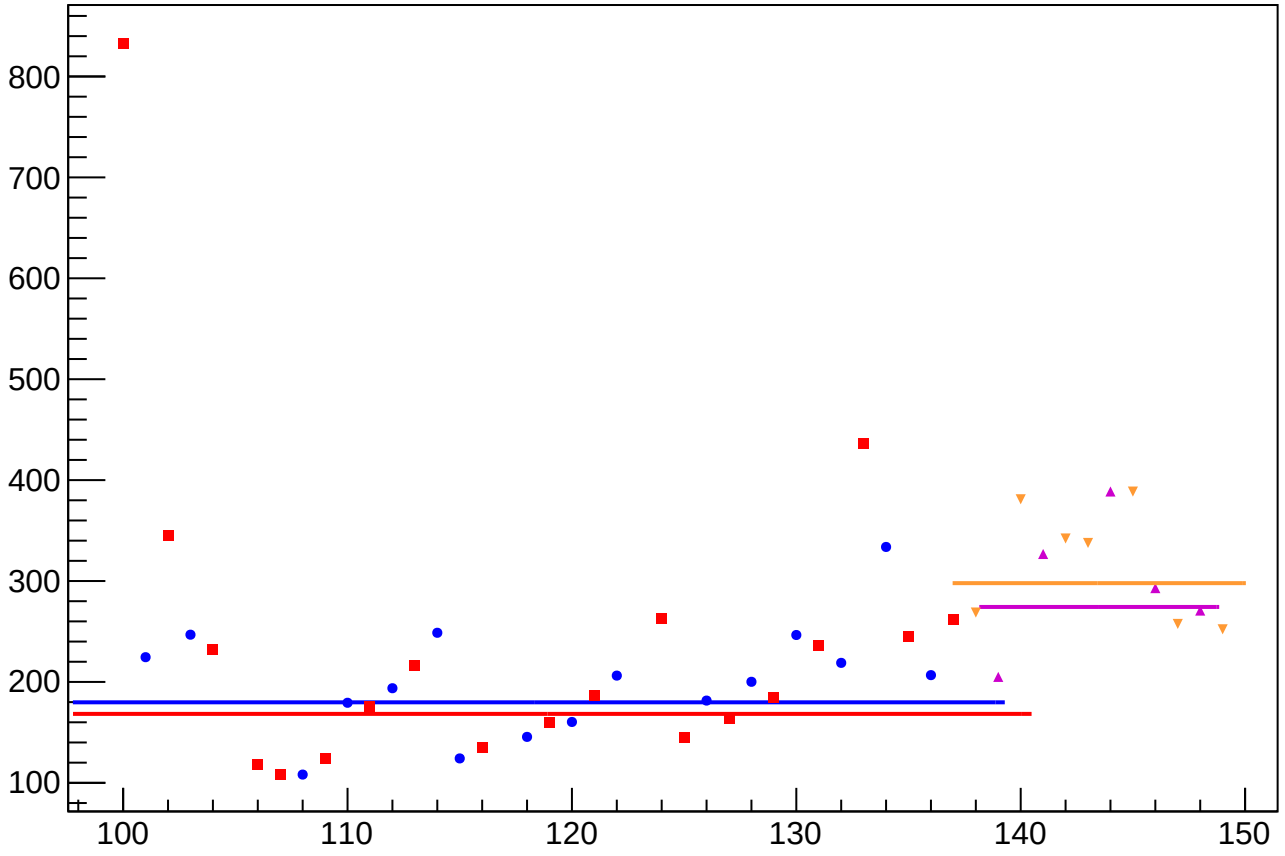
Left In: -0.169+/-0.136 χ^2/NDF:8.3/4

+ sign -0.027+/-0.062 χ^2/NDF: 21.1/22

All: 0.009+/-0.043 χ^2/NDF: 50.7/46

- 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: 297.899+/-0.093 χ^2/NDF:314073.2/6

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

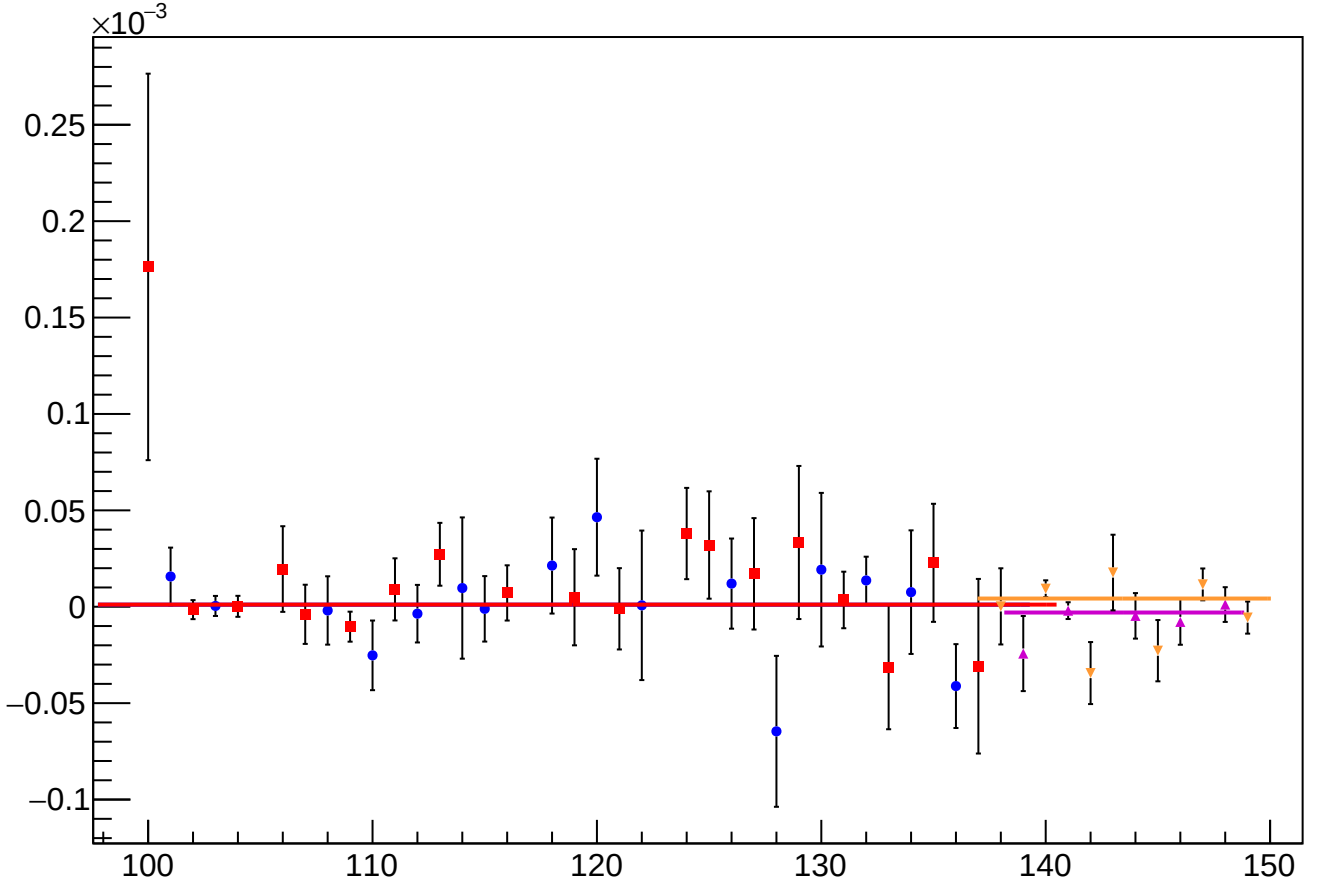
Left In: 274.308+/-0.096 χ^2/NDF:380301.9/4

+ sign 206.040+/-0.044 χ^2/NDF: 2477061.9/22

All: 197.429+/-0.031 χ^2/NDF: 5311266.2/46

- 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:12.7/6

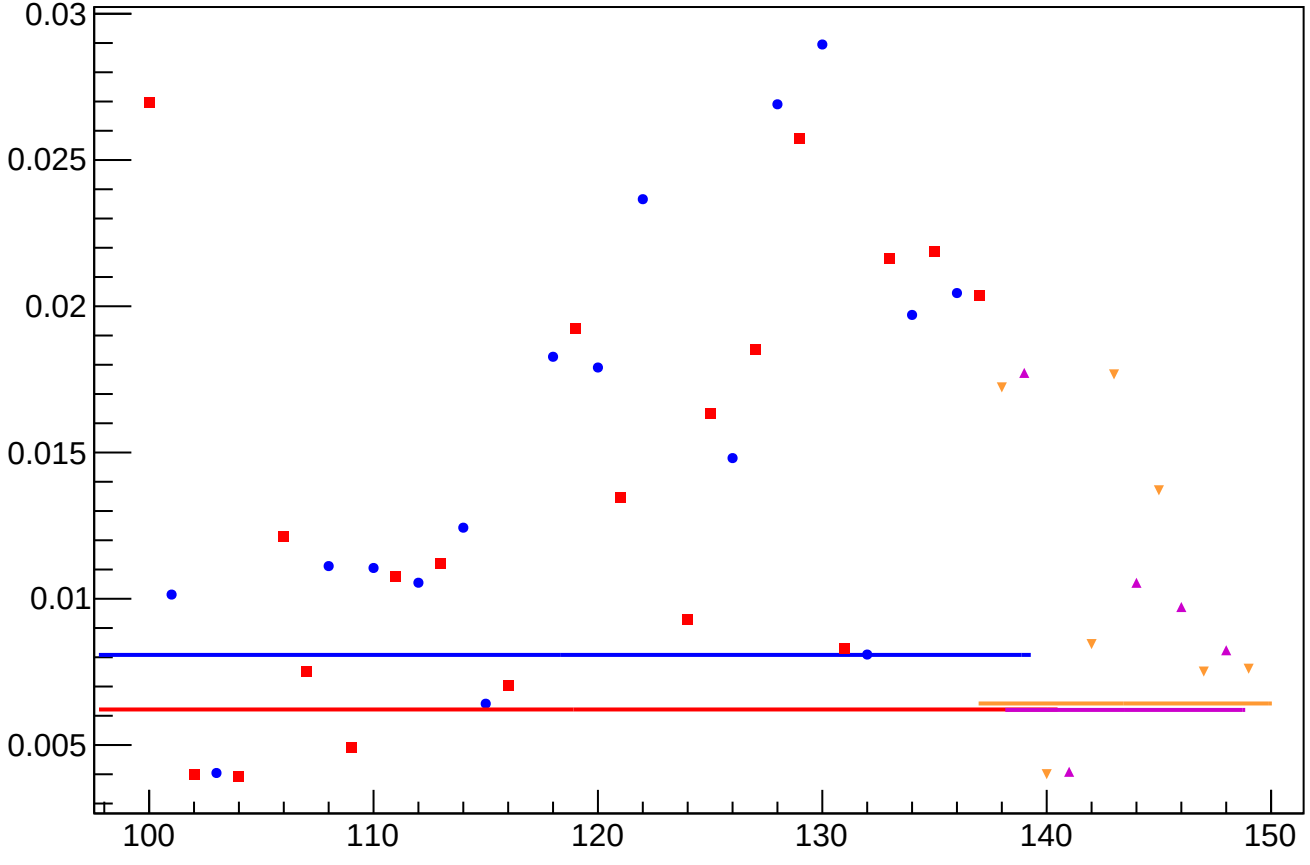
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/22

All: 0.000+/-0.000 χ^2/NDF: 47.0/46

- 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:2396962.4/6

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

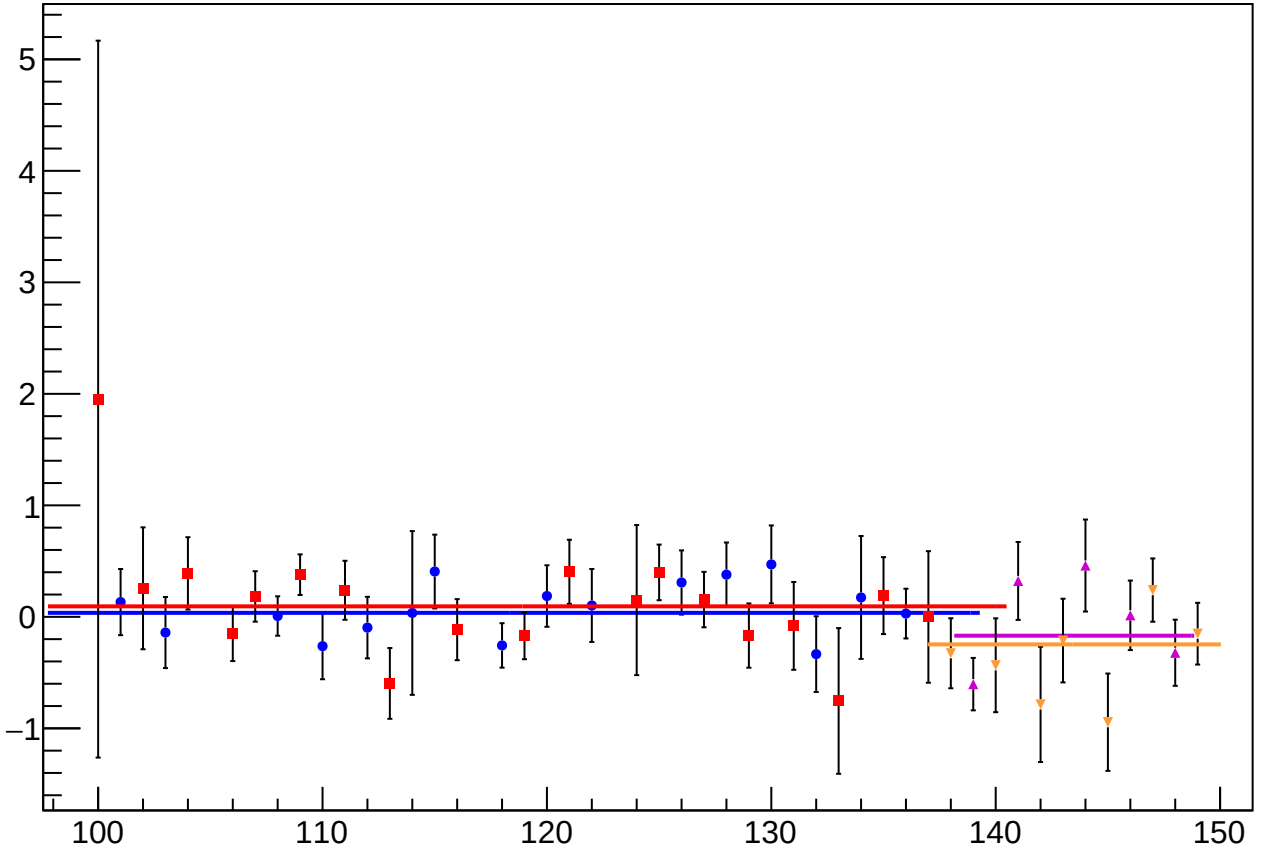
Left In: 0.006+/-0.000 χ^2/NDF:1722304.4/4

+ sign 0.007+/-0.000 χ^2/NDF: 7036758.7/22

All: 0.007+/-0.000 χ^2/NDF: 13481184.9/46

- 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: -0.247+/-0.132 χ^2/NDF:7.0/6

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

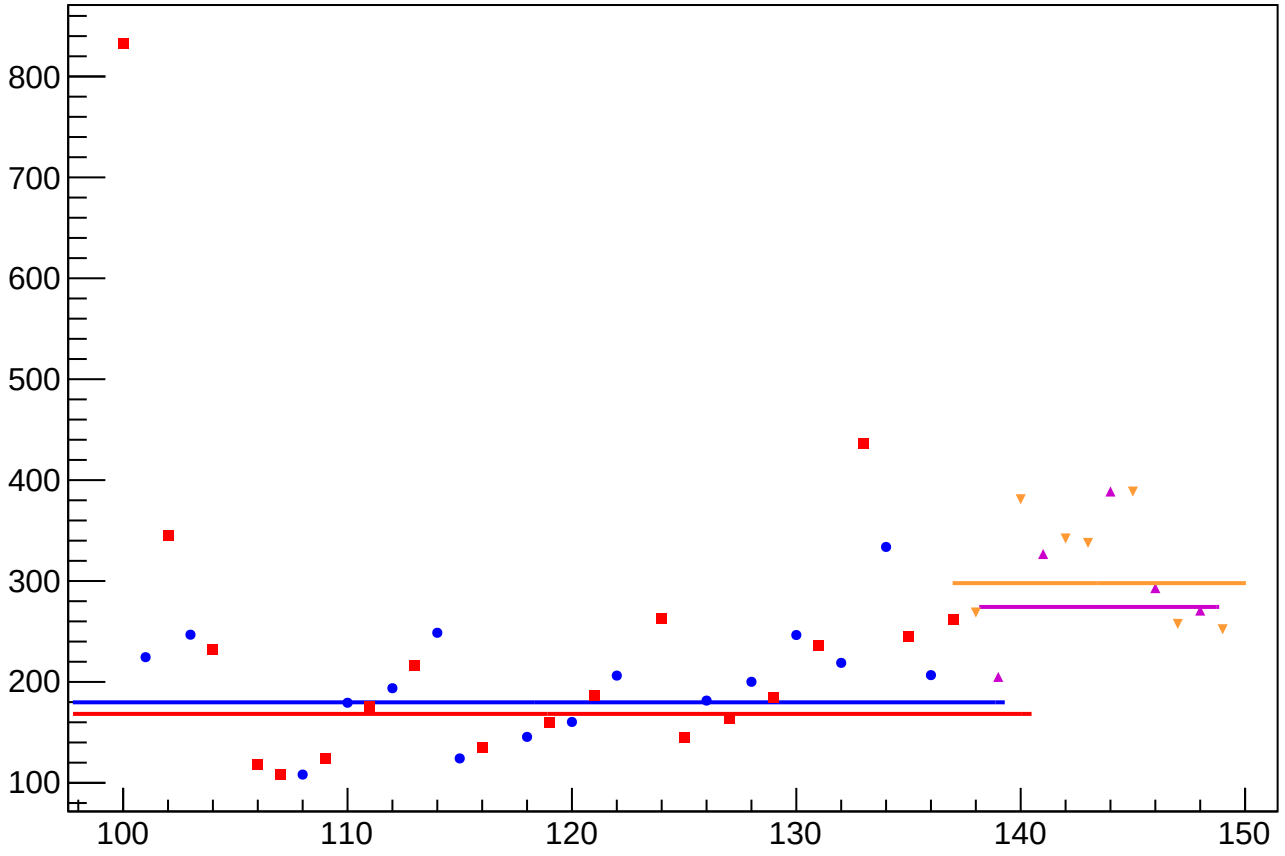
Left In: -0.169+/-0.136 χ^2/NDF:8.3/4

\+ sign -0.027+/-0.062 χ^2/NDF: 21.1/22

All: 0.009+/-0.043 χ^2/NDF: 50.7/46

\- 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: 297.904+/-0.093 χ^2/NDF:314056.4/6

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

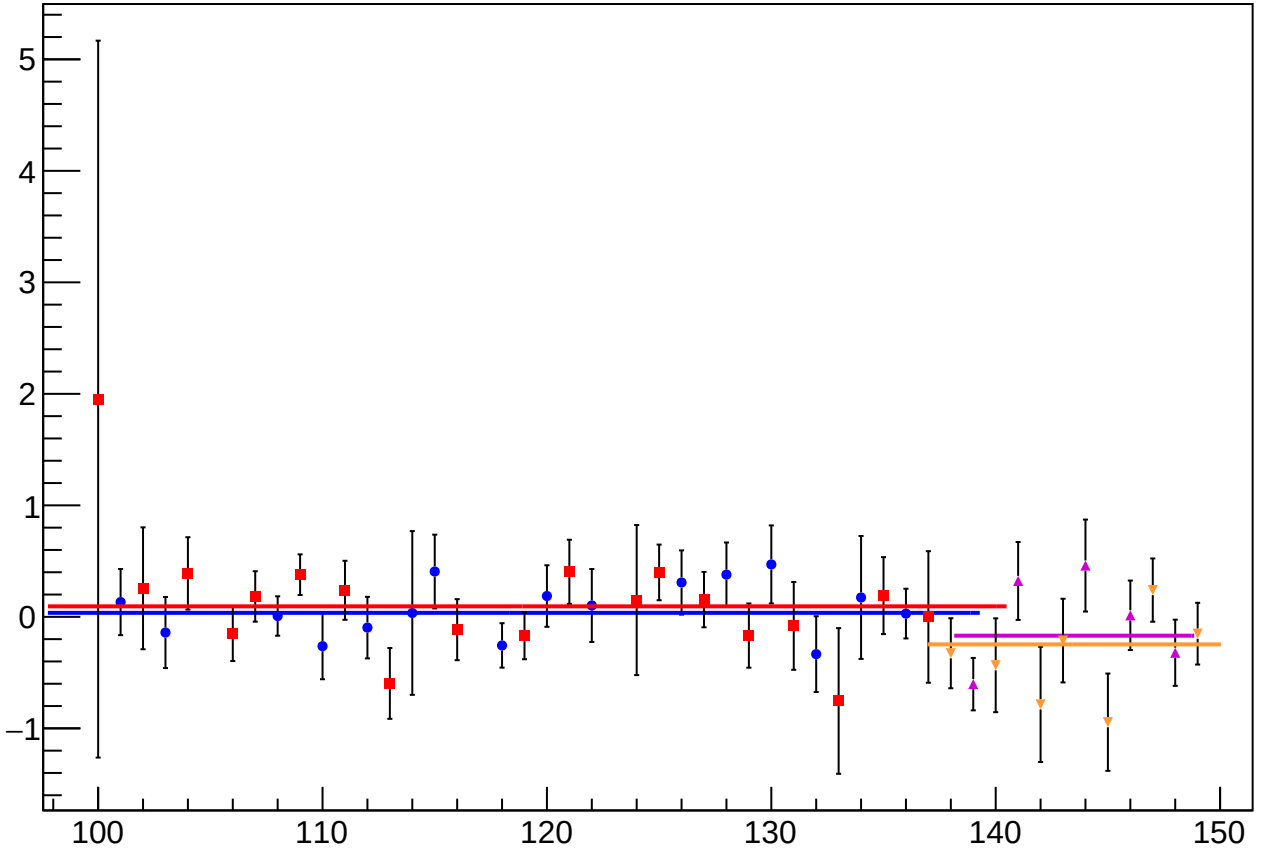
Left In: 274.312+/-0.096 χ^2/NDF:380283.7/4

+ sign 206.038+/-0.044 χ^2/NDF: 2477223.3/22

All: 197.428+/-0.031 χ^2/NDF: 5311444.2/46

- 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: -0.247+/-0.132 χ^2/NDF:7.0/6

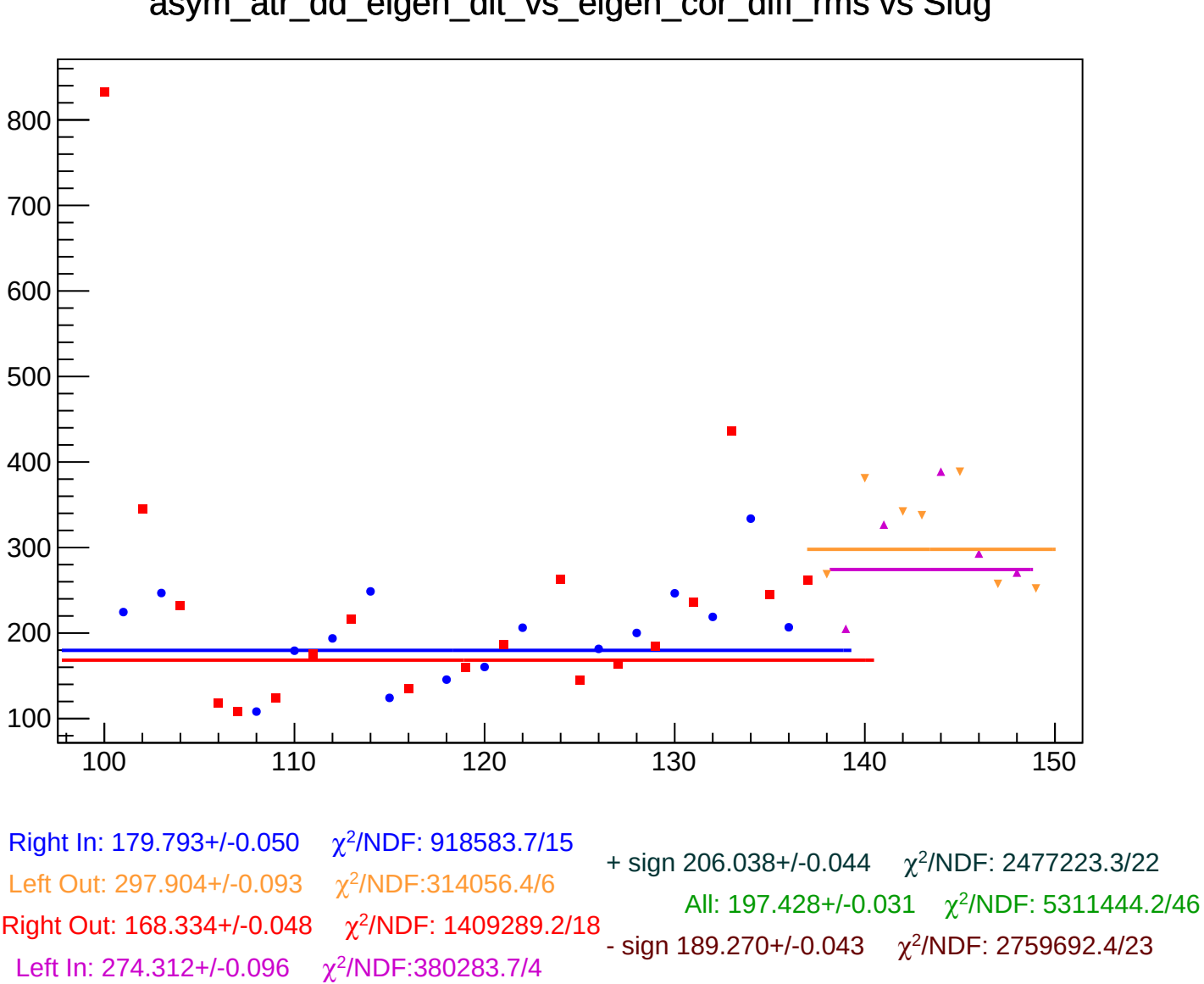
Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

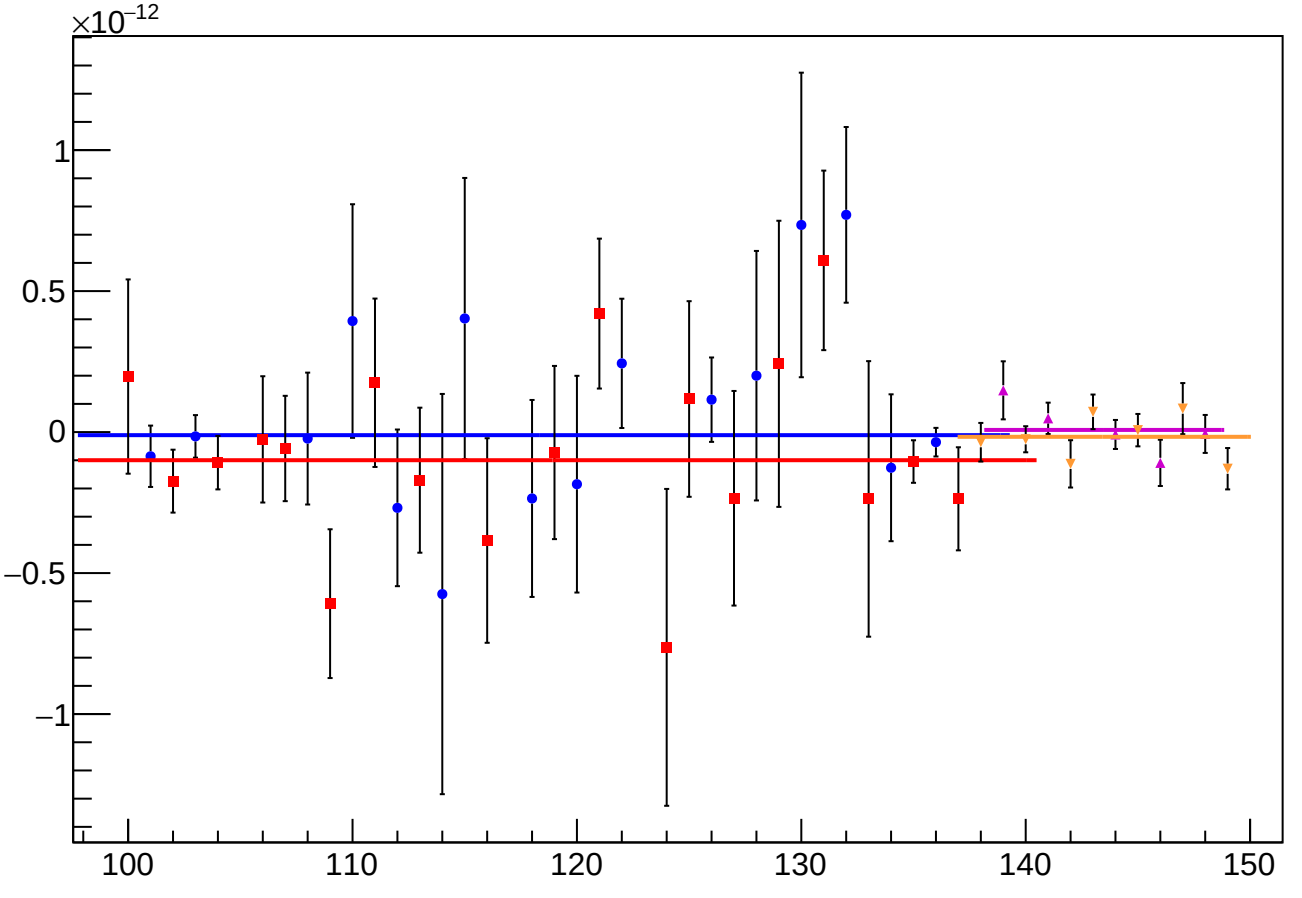
Left In: -0.169+/-0.136 χ^2/NDF:8.3/4

+ sign -0.027+/-0.062 χ^2/NDF: 21.1/22

All: 0.009+/-0.043 χ^2/NDF: 50.7/46

- sign 0.042+/-0.061 χ^2/NDF: 28.9/23


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
800
700
600
500
400
300
200
100
100
110
120
130
140
150
Right In: 179.793+/-0.050 χ²/NDF: 918583.7/15
Left Out: 297.904+/-0.093 χ²/NDF:314056.4/6
Right Out: 168.334+/-0.048 χ²/NDF: 1409289.2/18
Left In: 274.312+/-0.096 χ²/NDF:380283.7/4
+ sign 206.038+/-0.044 χ²/NDF: 2477223.3/22
All: 197.428+/-0.031 χ²/NDF: 5311444.2/46
- sign 189.270+/-0.043 χ²/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:7.3/6

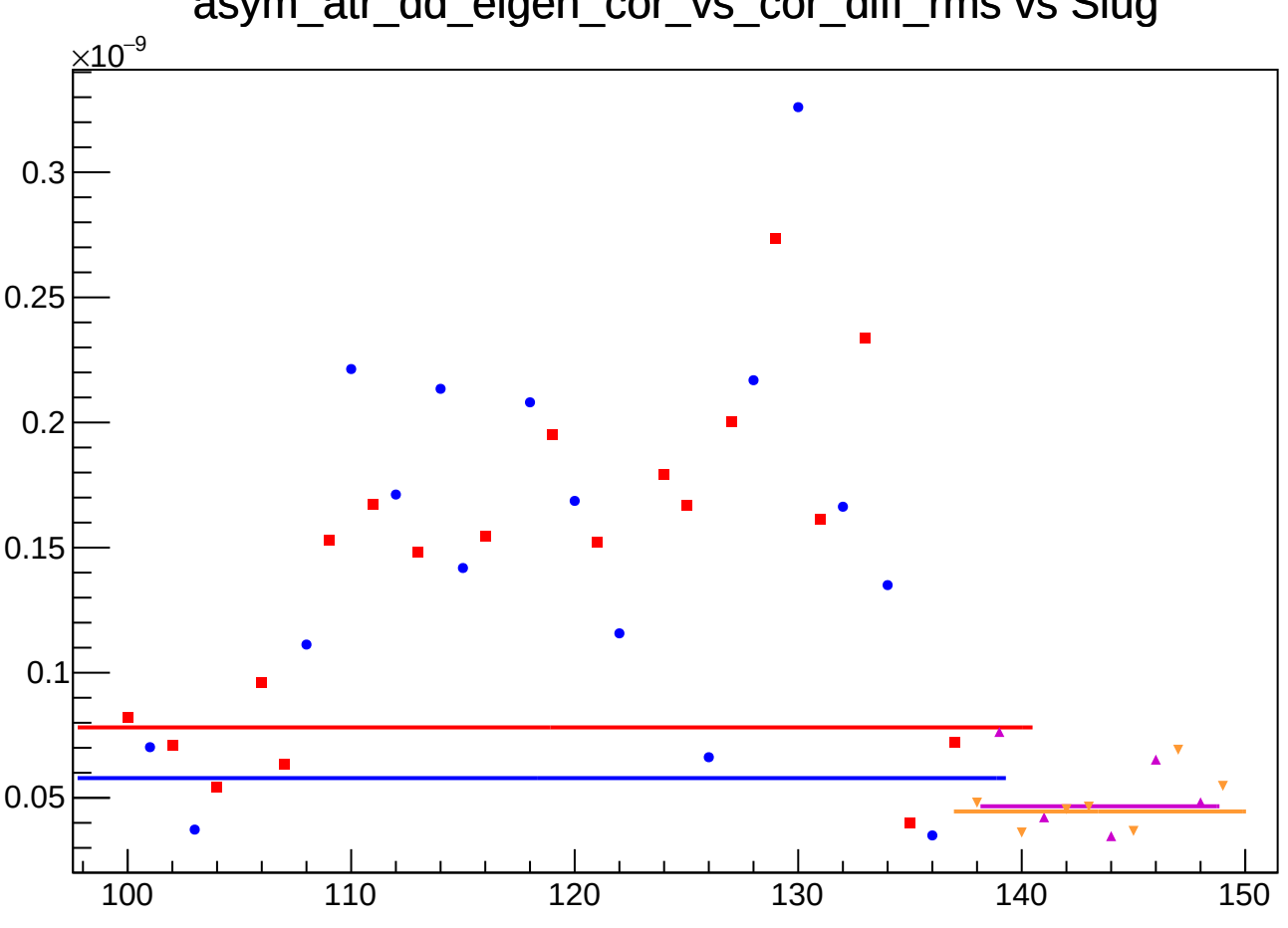
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 22.3/22

All: -0.000+/-0.000 χ^2/NDF: 49.8/46

- 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:297366.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

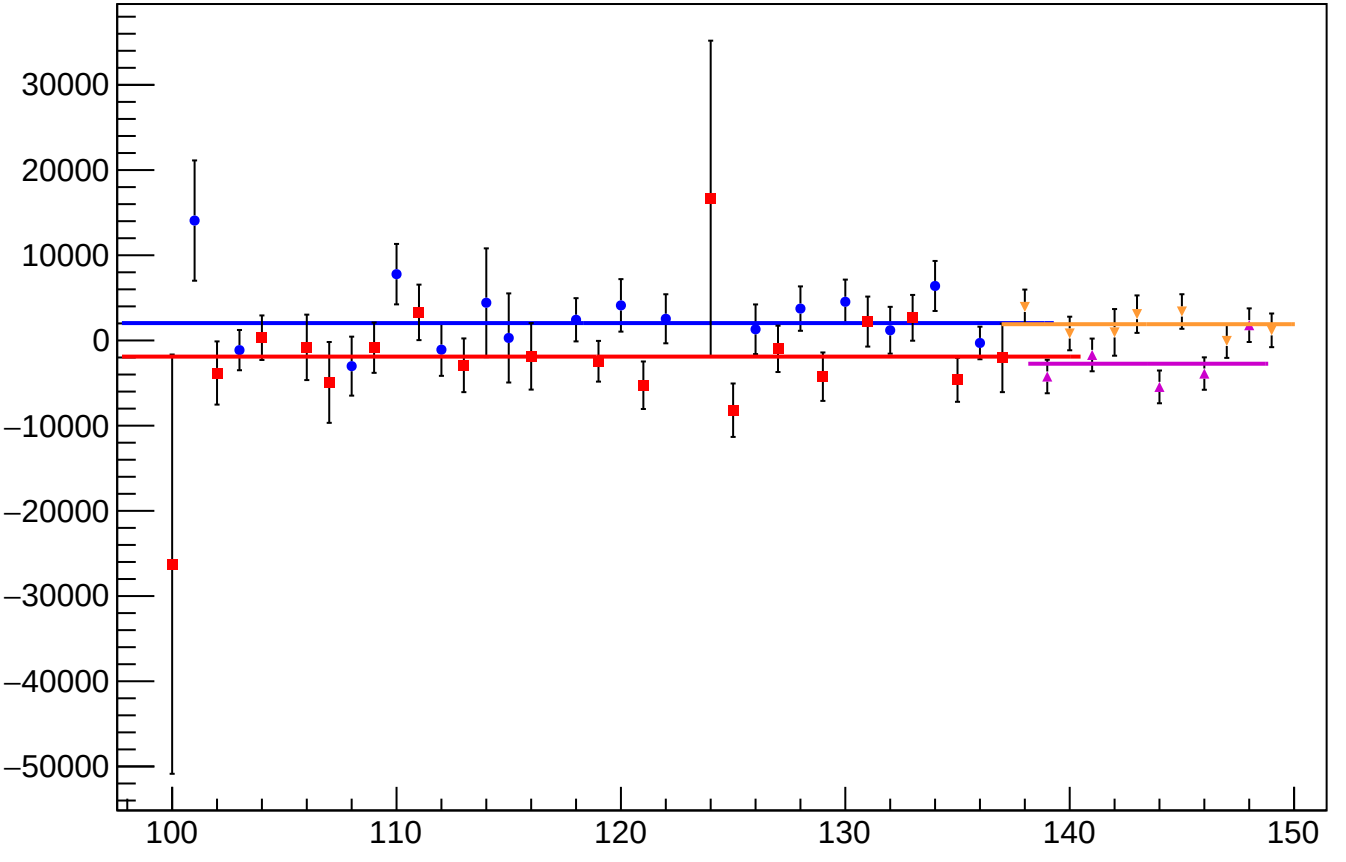
Left In: 0.000+/-0.000 χ^2/NDF:391012.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 3814368.8/22

All: 0.000+/-0.000 χ^2/NDF: 7825268.8/46

- 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: 1909.527+/-792.926 χ^2/NDF:3.4/6

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

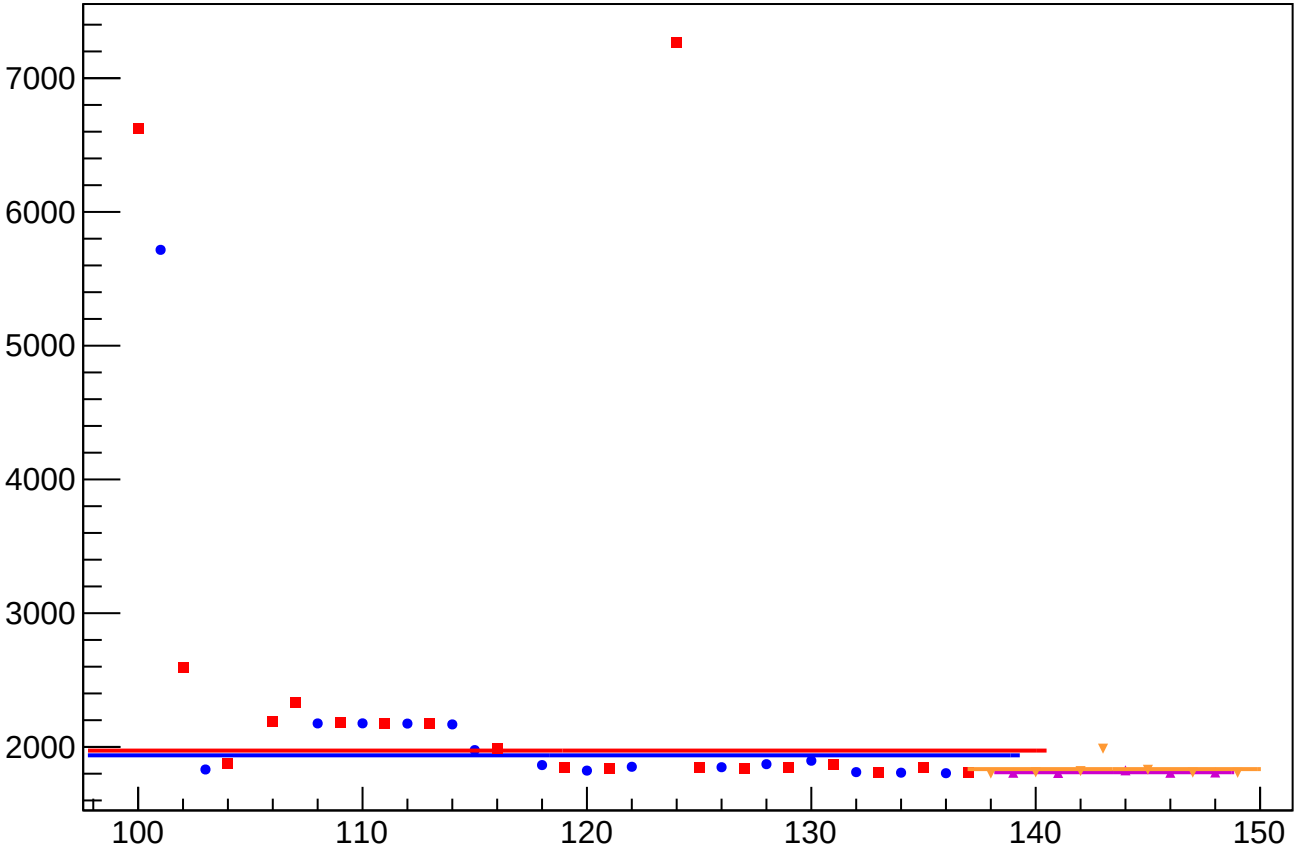
Left In: -2731.025+/-865.749 χ^2/NDF:8.5/4

+ sign 1979.173+/-539.517 χ^2/NDF: 19.8/22

All: -50.777+/-388.898 χ^2/NDF: 76.8/46

- 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: 1834.265+/-0.561 χ^2/NDF:11321.6/6

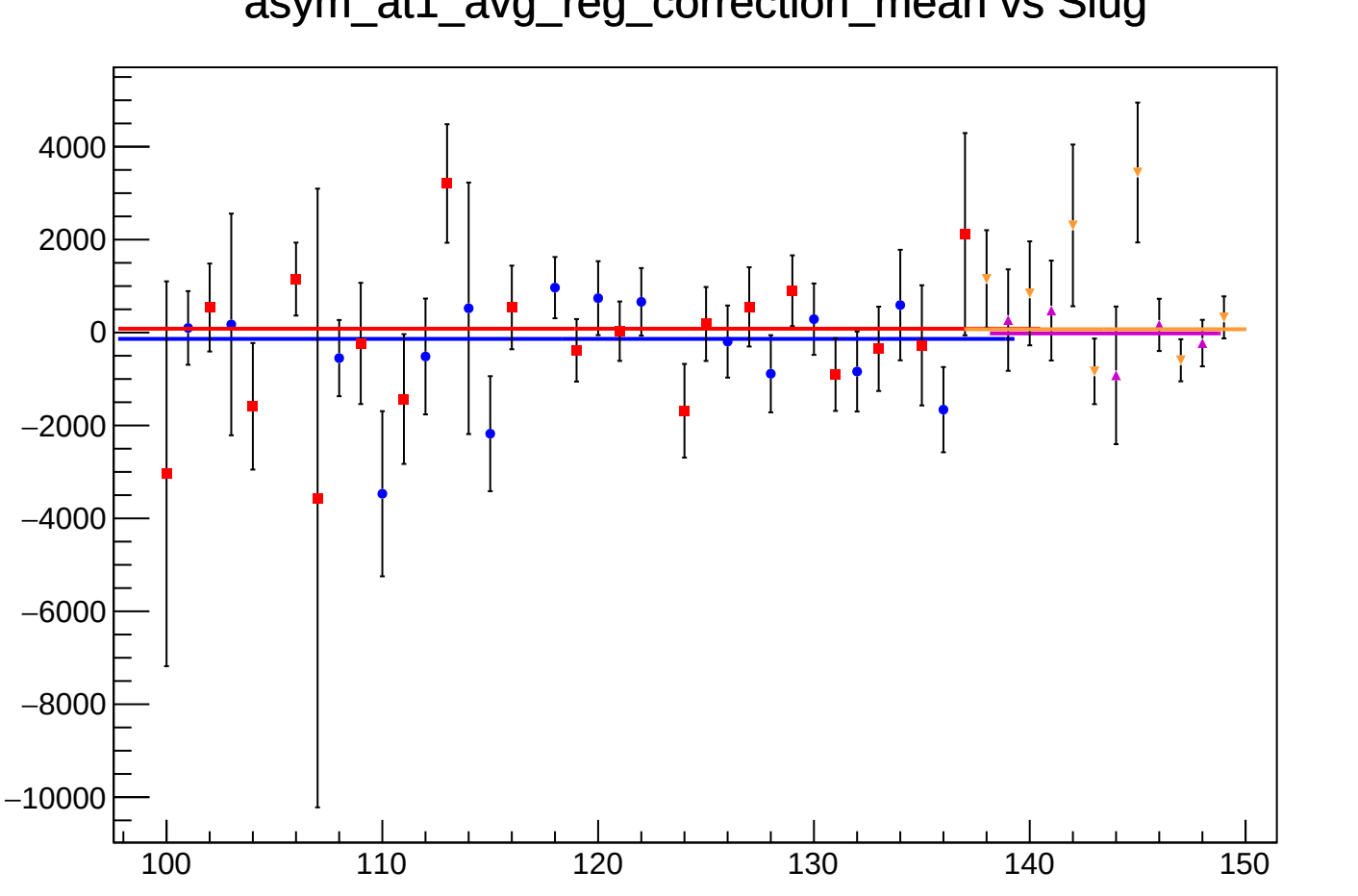
Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1810.872+/-0.612 χ^2/NDF:141.7/4

+ sign 1889.572+/-0.381 χ^2/NDF: 667532.9/22

All: 1896.870+/-0.275 χ^2/NDF: 1086531.9/46

- sign 1904.763+/-0.397 χ^2/NDF: 418237.2/23



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: 70.836+/-264.859 χ^2/NDF:12.4/6

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

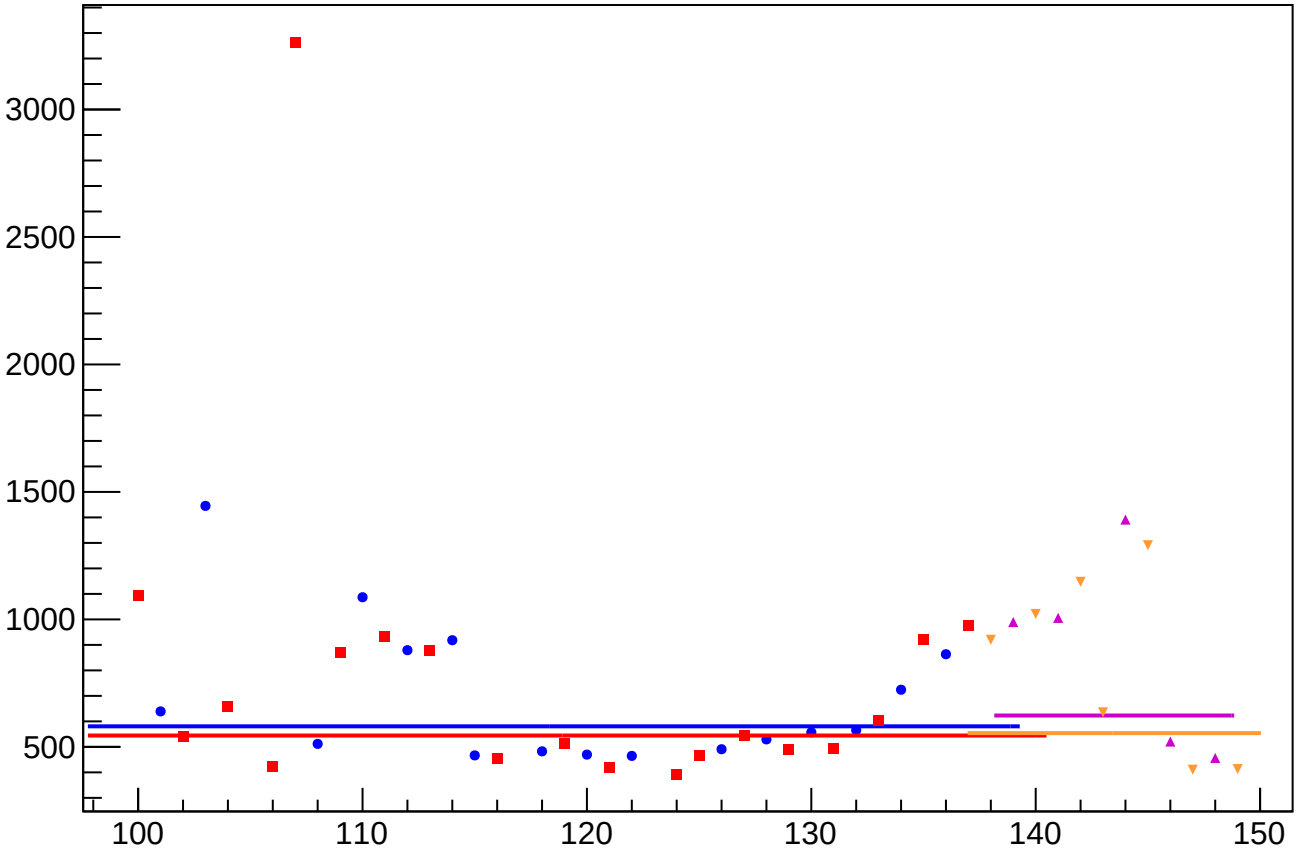
Left In: -18.323+/-327.537 χ^2/NDF:0.9/4

+ sign -47.257+/-173.846 χ^2/NDF: 29.6/22

All: -1.035+/-126.293 χ^2/NDF: 50.5/46

- 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: 553.935+/-0.187 χ^2/NDF:1726336.2/6

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

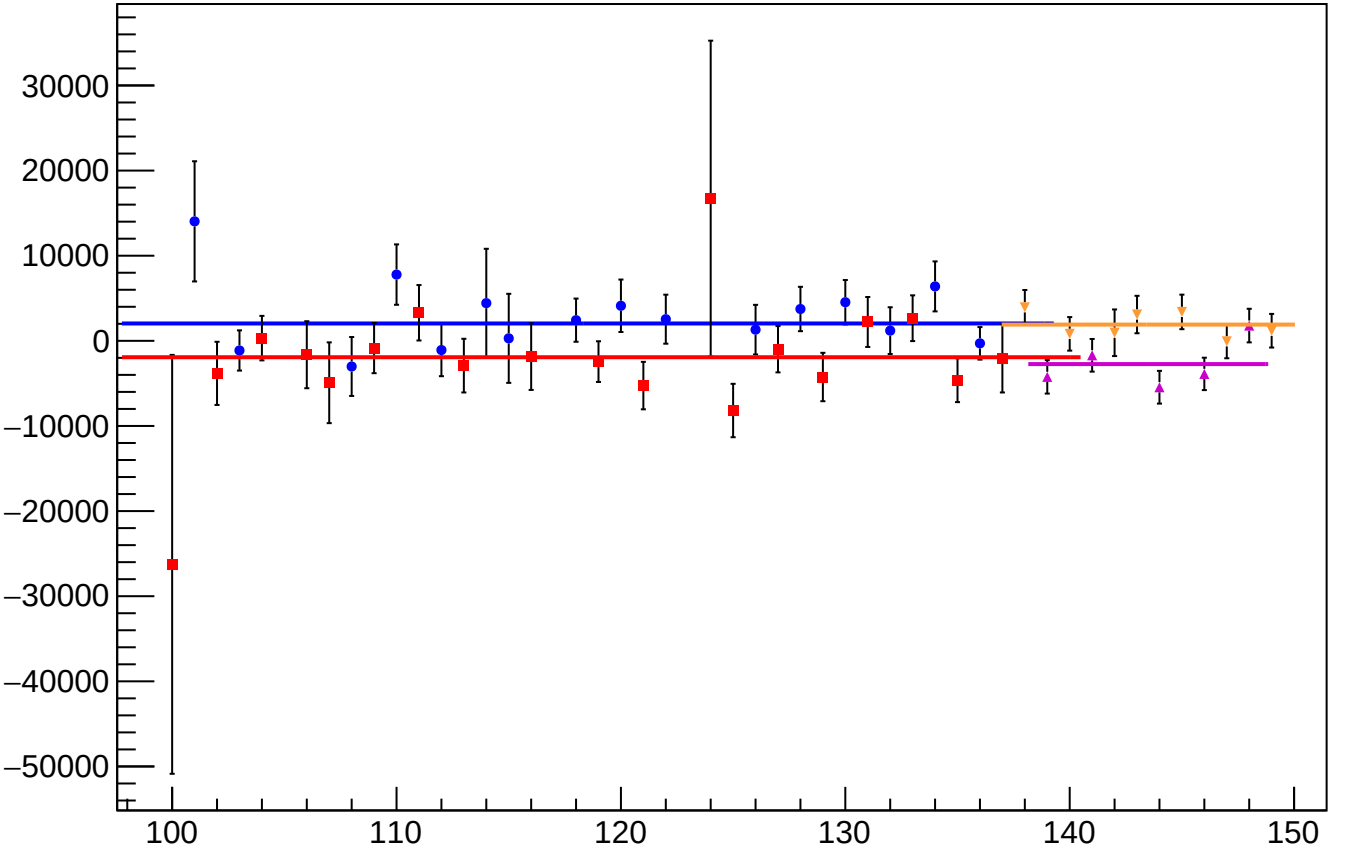
Left In: 623.044+/-0.232 χ^2/NDF:1304944.1/4

+ sign 569.118+/-0.123 χ^2/NDF: 2741294.7/22

All: 569.179+/-0.089 χ^2/NDF: 5412623.8/46

- 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: 1909.407+/-792.926 χ^2/NDF:3.4/6

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

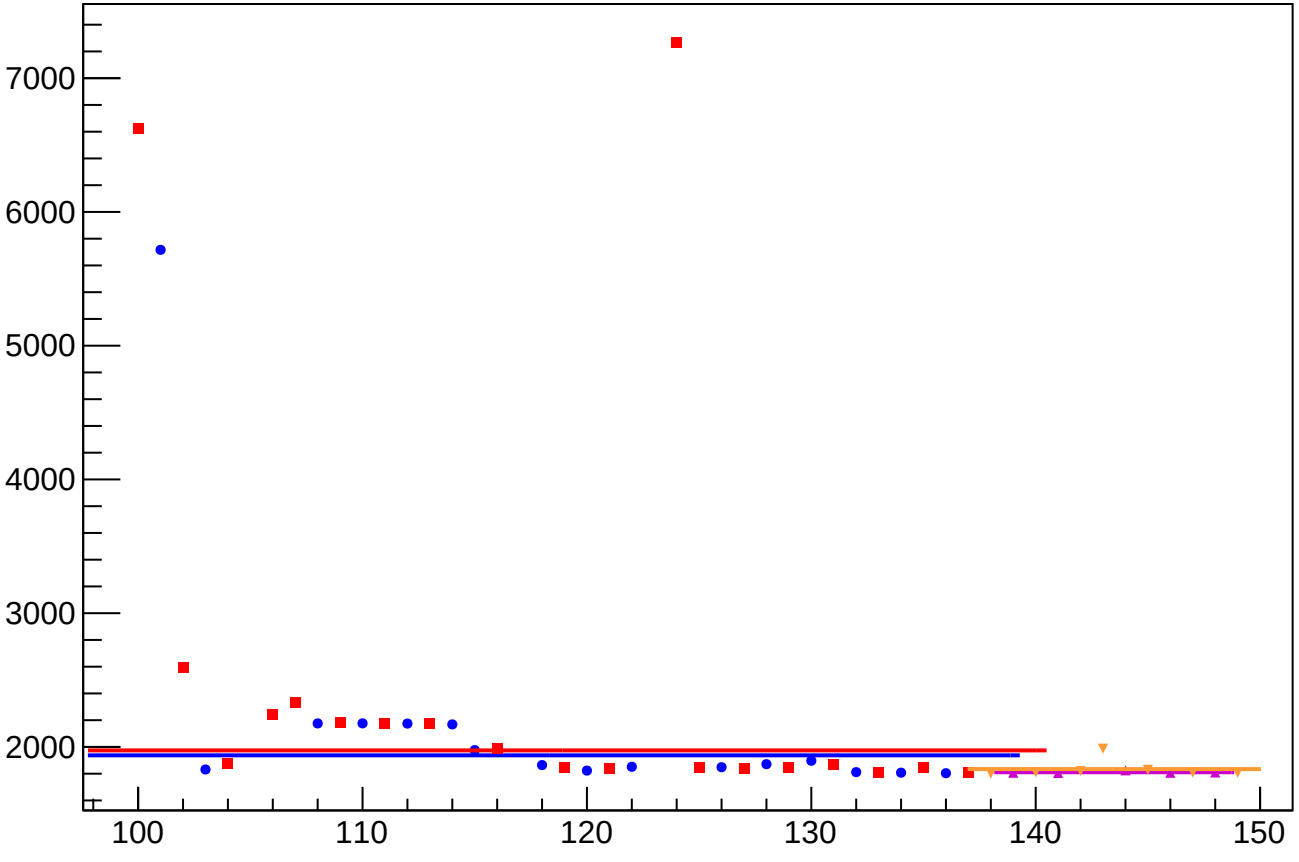
Left In: -2731.249+/-865.749 χ^2/NDF:8.5/4

+ sign 1978.919+/-539.517 χ^2/NDF: 19.8/22

All: -58.683+/-388.994 χ^2/NDF: 76.9/46

- 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: 1834.265+/-0.561 χ^2/NDF:11321.6/6

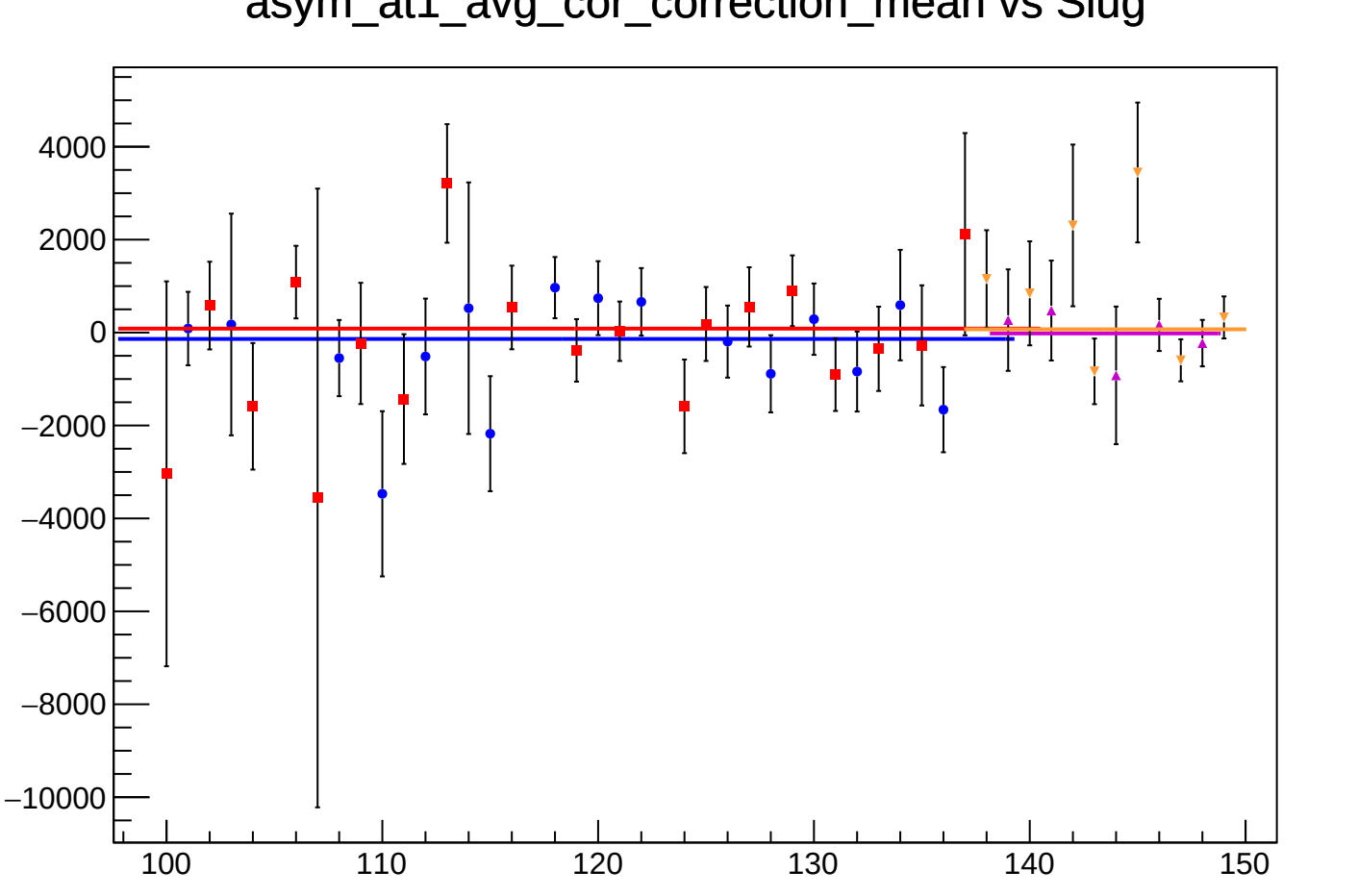
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.872+/-0.612 χ^2/NDF:141.7/4

+ sign 1889.572+/-0.381 χ^2/NDF: 667532.9/22

All: 1897.221+/-0.275 χ^2/NDF: 1090172.2/46

- 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: 70.442+/-264.859 χ^2/NDF:12.4/6

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

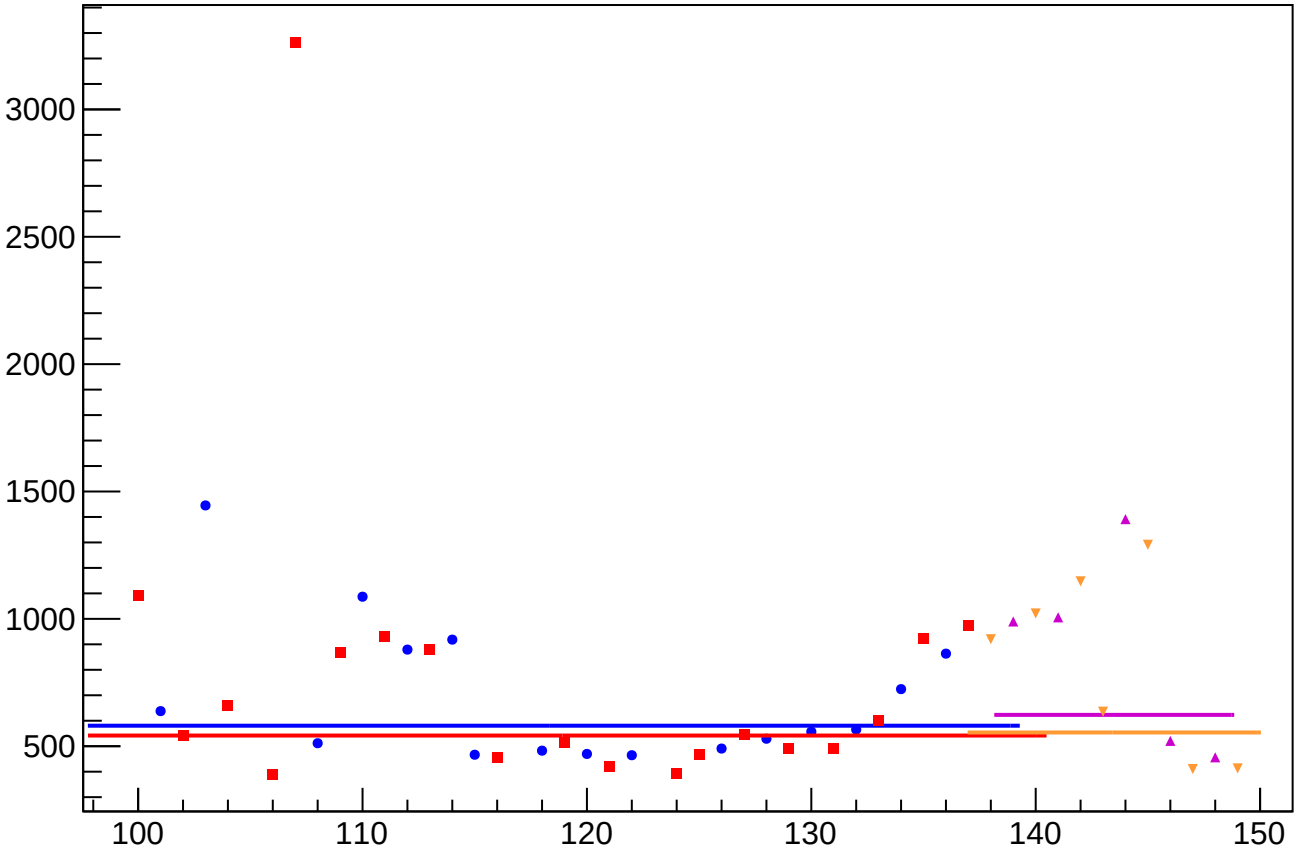
Left In: -18.411+/-327.530 χ^2/NDF:0.9/4

+ sign -47.930+/-173.825 χ^2/NDF: 29.6/22

All: -0.517+/-126.259 χ^2/NDF: 50.0/46

- 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: 553.933+/-0.187 χ^2/NDF:1726321.5/6

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

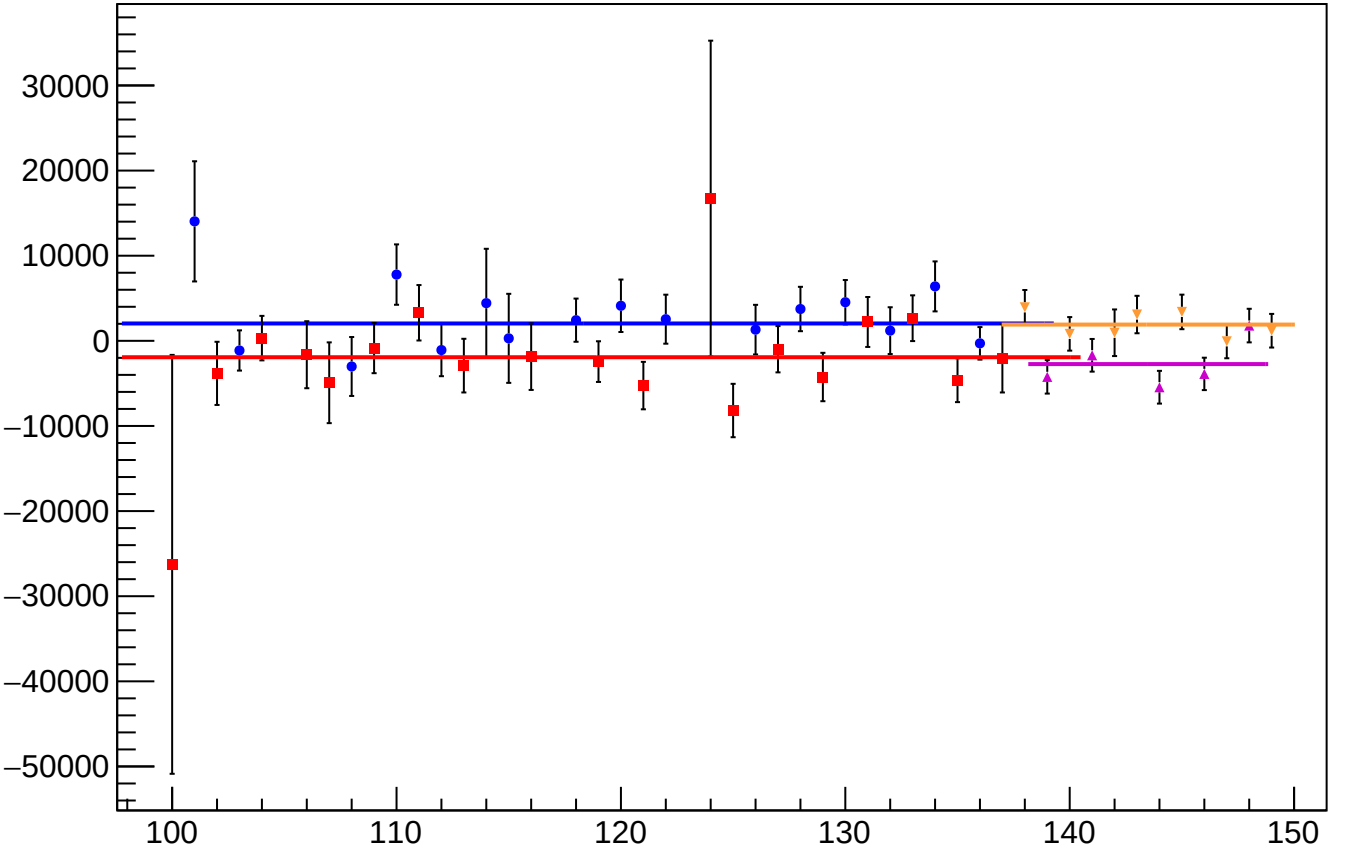
Left In: 623.025+/-0.232 χ^2/NDF:1305049.1/4

+ sign 569.068+/-0.123 χ^2/NDF: 2740693.4/22

All: 568.301+/-0.089 χ^2/NDF: 5448697.8/46

- 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: 1909.407+/-792.926 χ^2/NDF:3.4/6

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

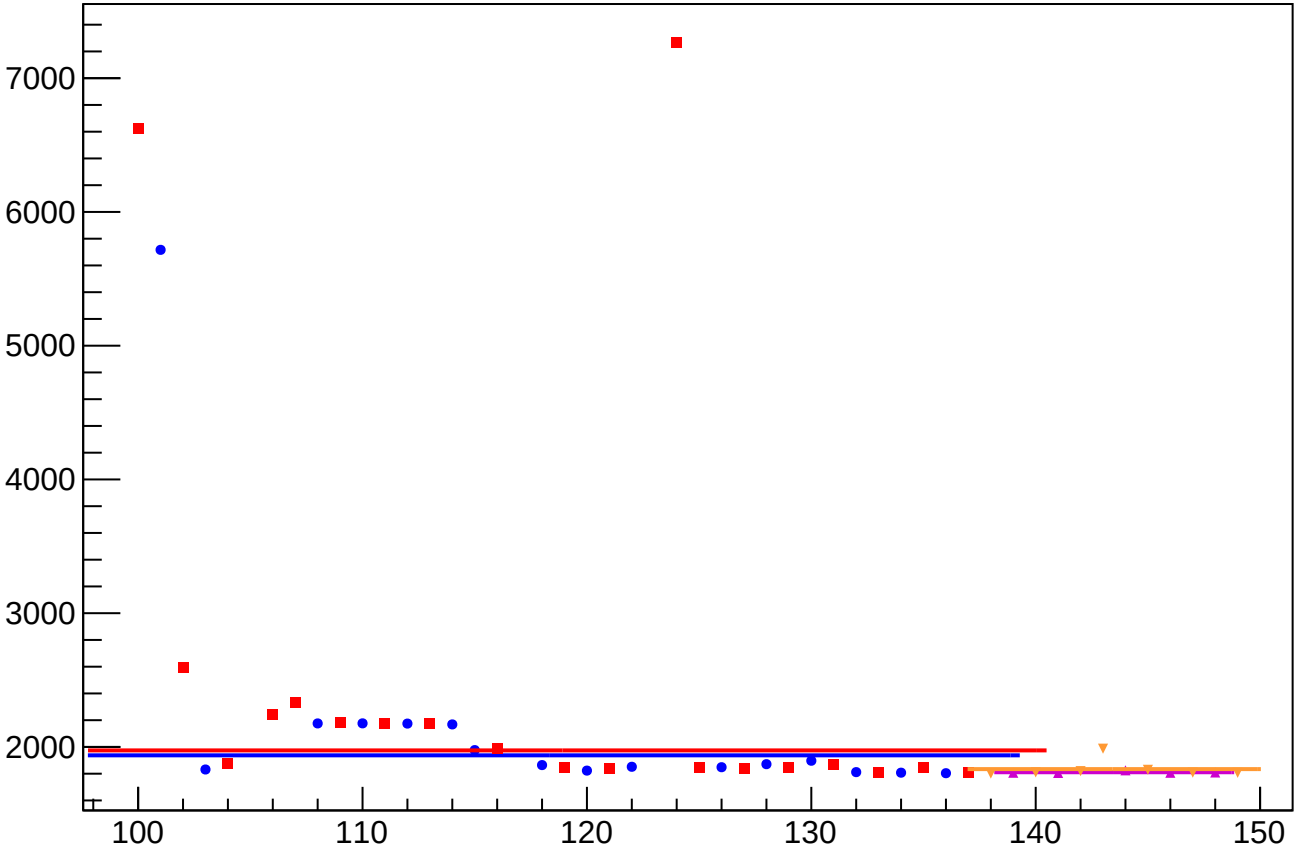
Left In: -2731.249+/-865.749 χ^2/NDF:8.5/4

+ sign 1978.919+/-539.517 χ^2/NDF: 19.8/22

All: -58.683+/-388.994 χ^2/NDF: 76.9/46

- 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: 1834.265+/-0.561 χ^2/NDF:11321.6/6

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Left In: 1810.872+/-0.612 χ^2/NDF:141.7/4

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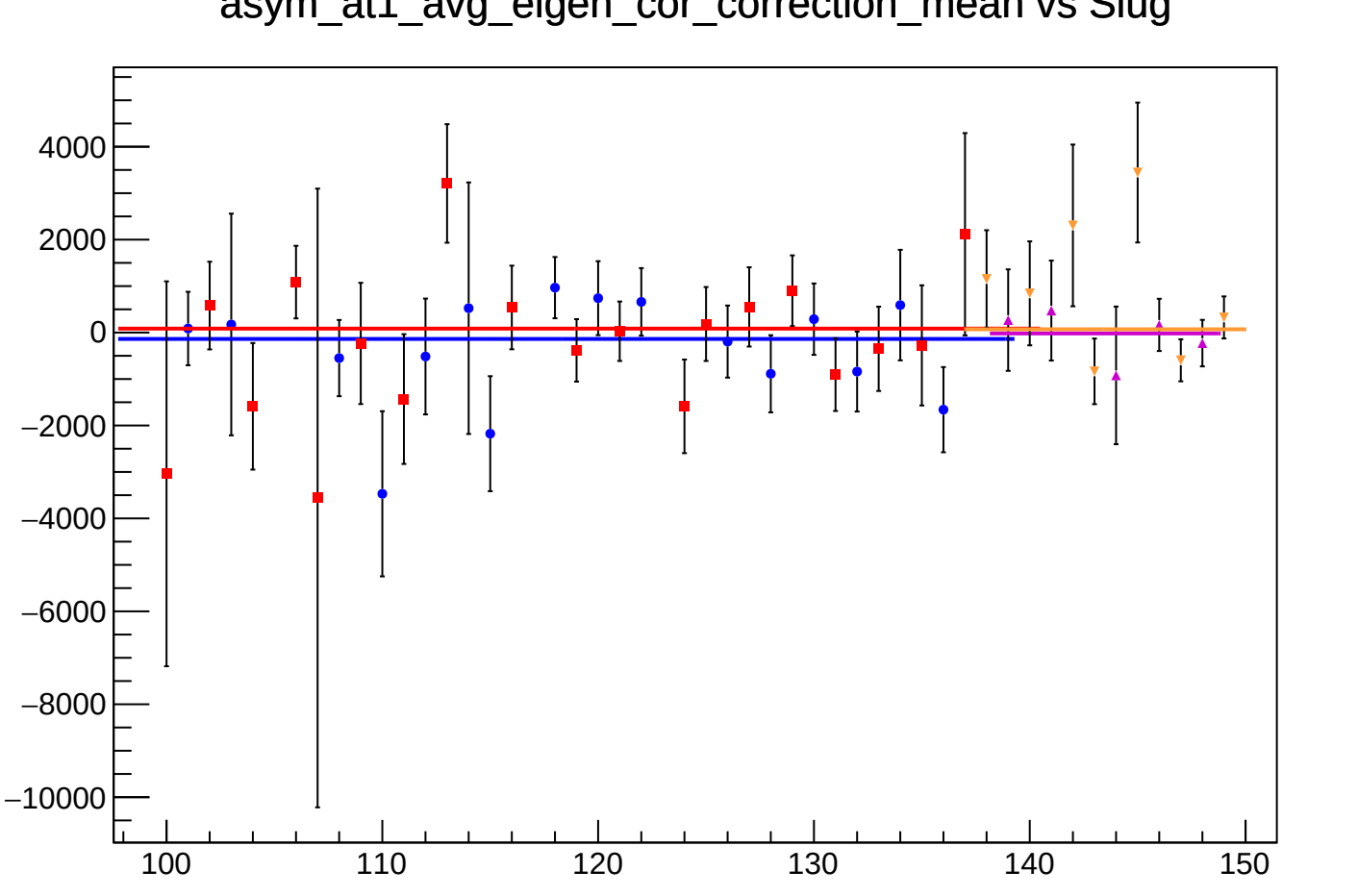


Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 70.442+/-264.859 χ^2/NDF:12.4/6

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

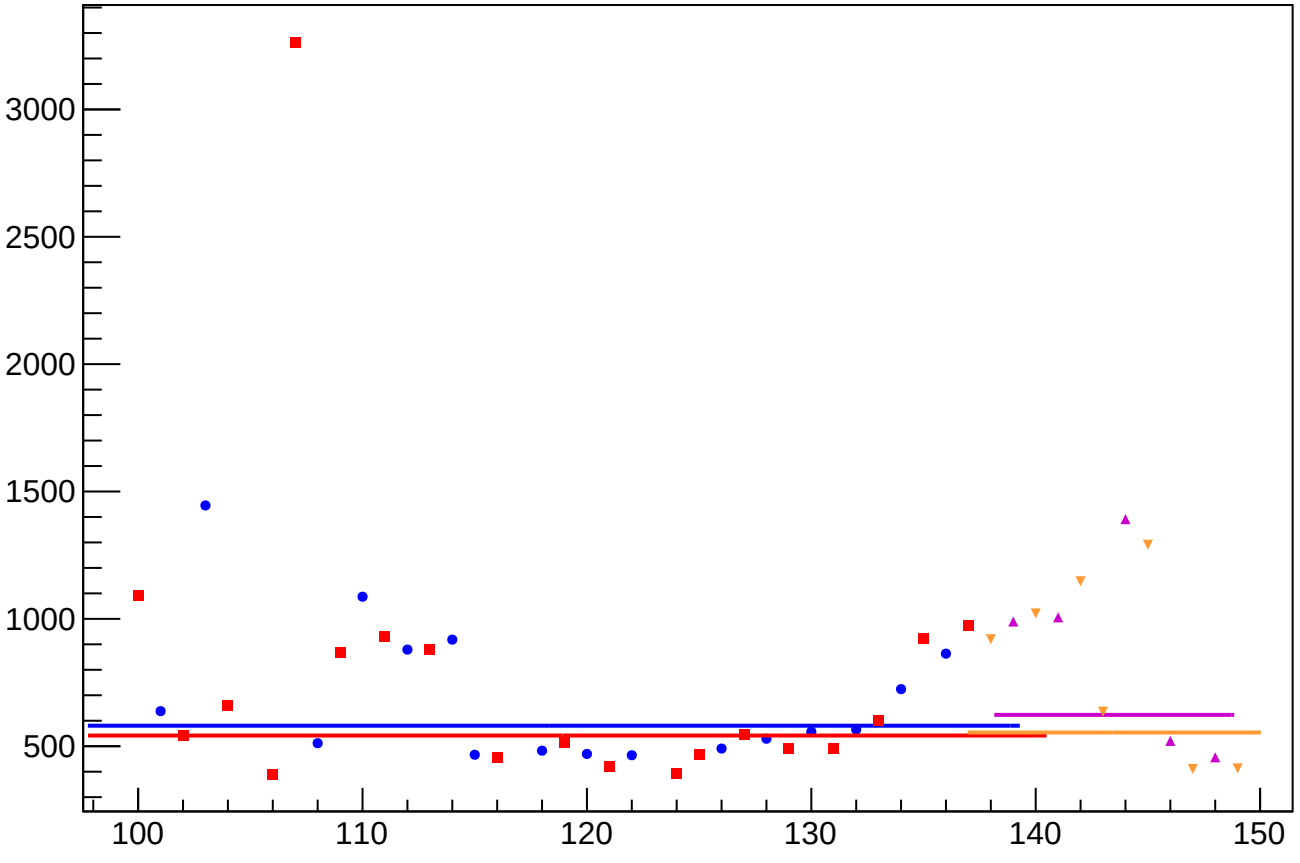
Left In: -18.411+/-327.530 χ^2/NDF:0.9/4

+ sign -47.930+/-173.825 χ^2/NDF: 29.6/22

All: -0.517+/-126.259 χ^2/NDF: 50.0/46

- 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: 553.933+/-0.187 χ^2/NDF:1726321.5/6

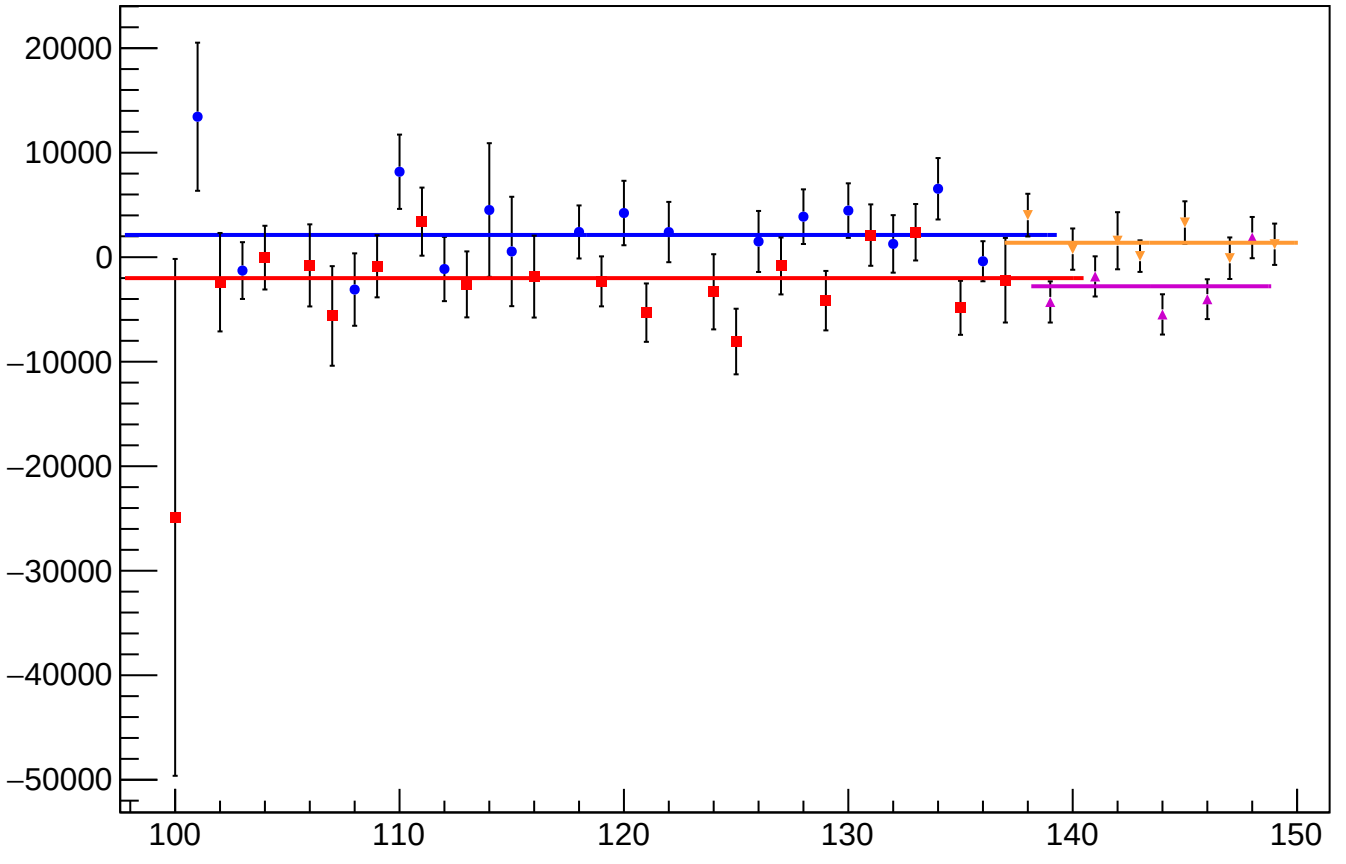
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 623.025+/-0.232 χ^2/NDF:1305049.1/4

+ sign 569.068+/-0.123 χ^2/NDF: 2740693.4/22

All: 568.301+/-0.089 χ^2/NDF: 5448697.8/46

- 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: 1381.451+/-741.414 χ^2/NDF:4.0/6

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

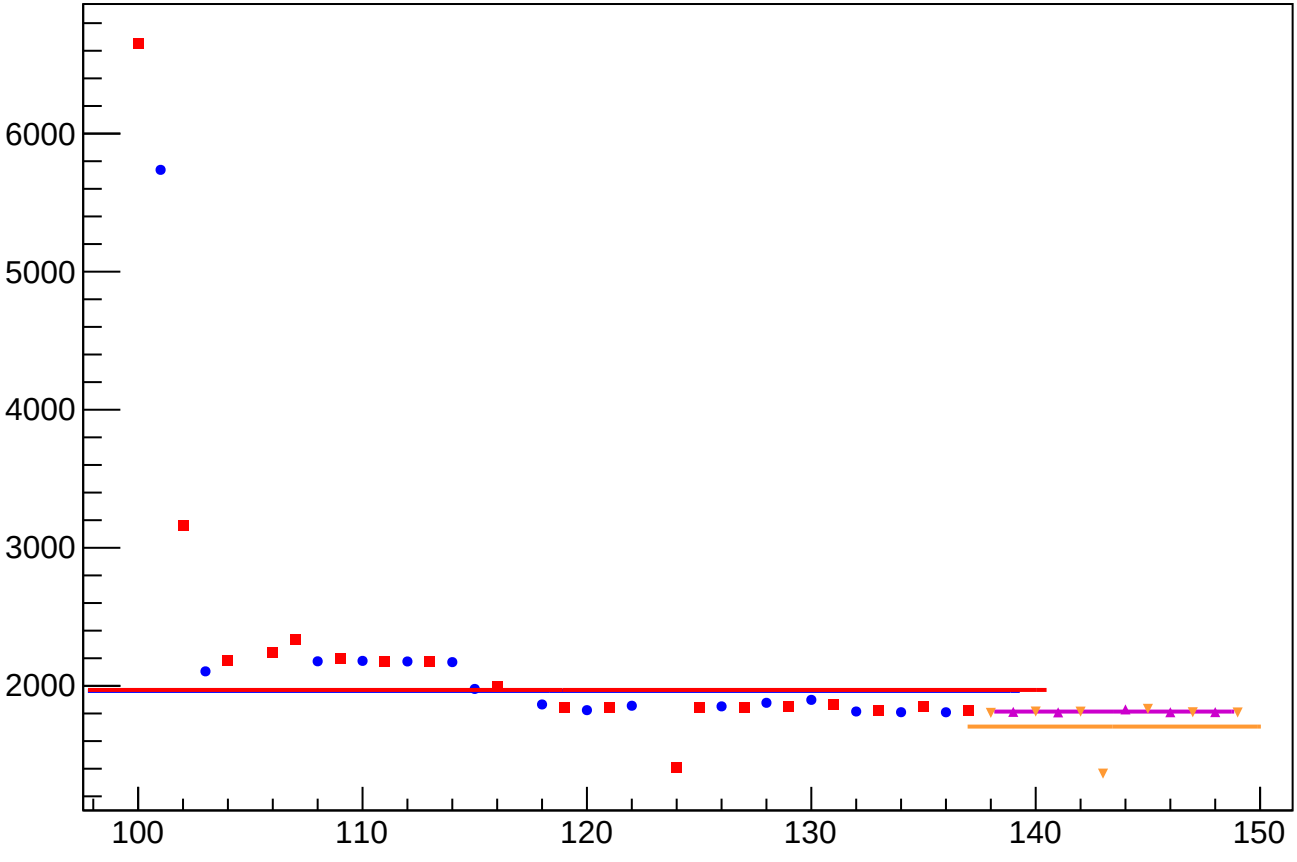
Left In: -2781.953+/-867.180 χ^2/NDF:8.8/4

+ sign 1752.675+/-525.958 χ^2/NDF: 21.0/22

All: -154.442+/-383.913 χ^2/NDF: 75.1/46

- 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: 1705.095+/-0.524 χ^2/NDF:134567.1/6

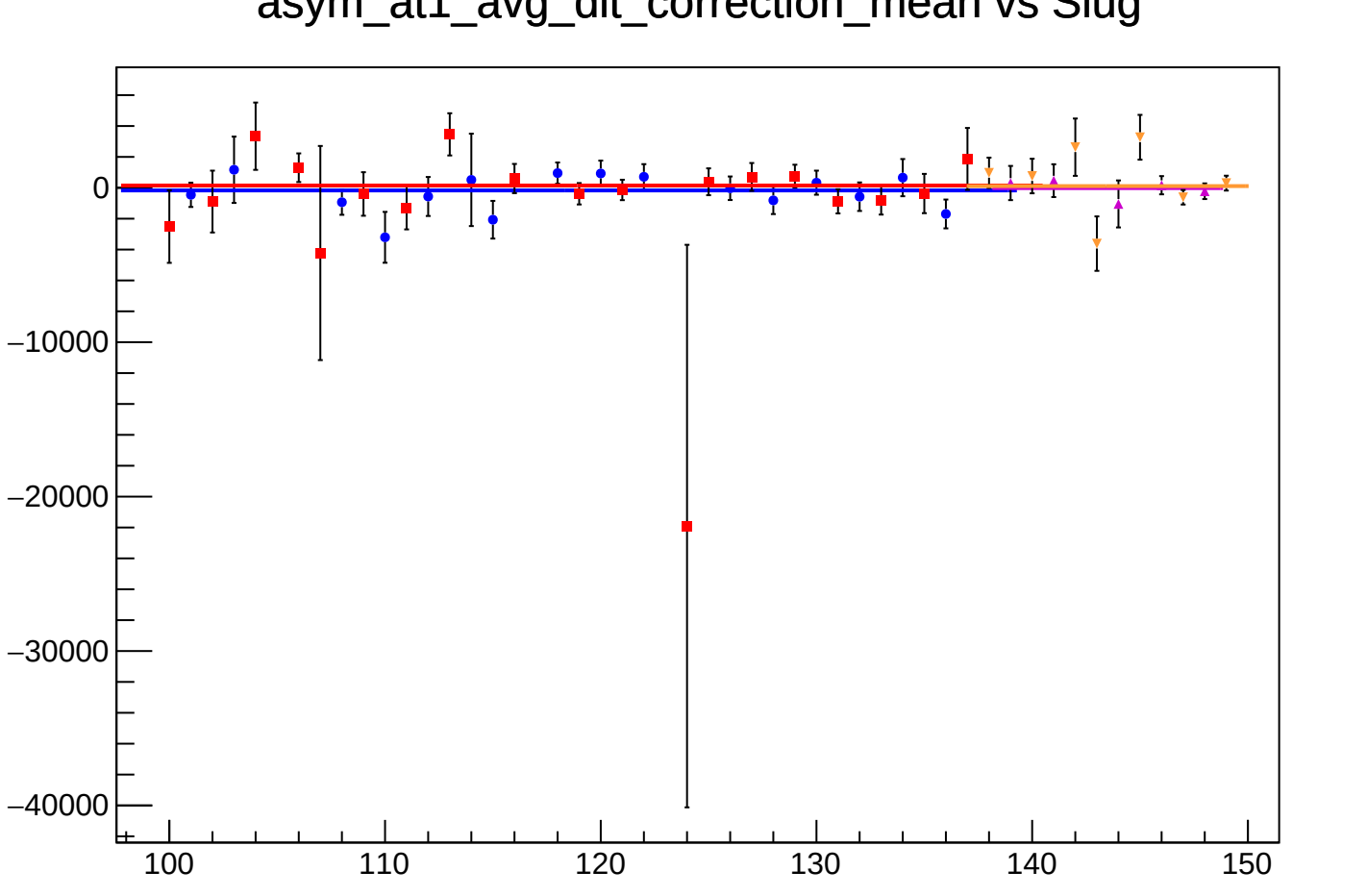
Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1813.806+/-0.613 χ^2/NDF:172.9/4

+ sign 1833.416+/-0.372 χ^2/NDF: 895426.8/22

All: 1866.740+/-0.271 χ^2/NDF: 1295803.3/46

- sign 1904.742+/-0.397 χ^2/NDF: 383192.6/23



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: 110.103+/-291.727 χ^2/NDF:14.7/6

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

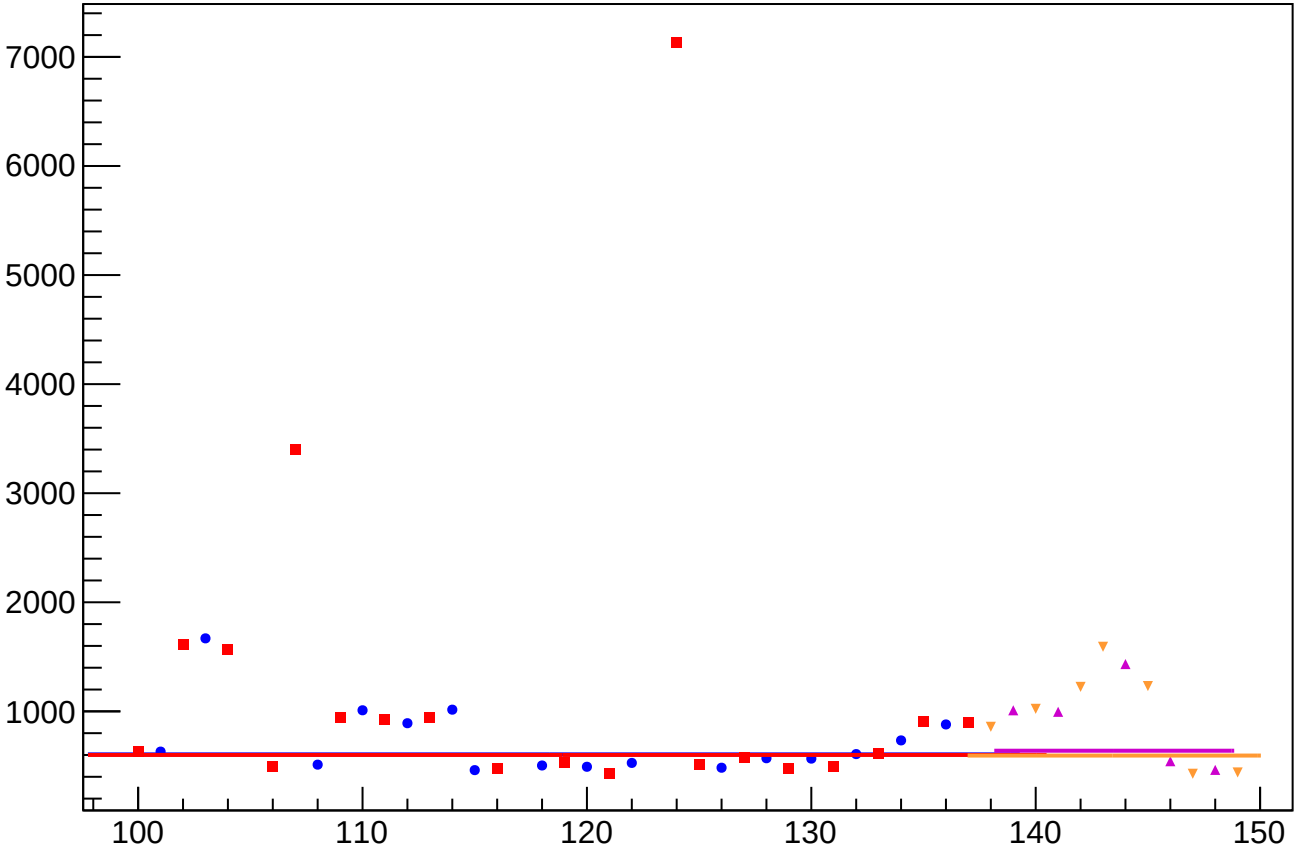
Left In: -20.181+/-335.091 χ^2/NDF:1.0/4

\+ sign -59.150+/-183.906 χ^2/NDF: 32.5/22

All: 10.324+/-134.317 χ^2/NDF: 54.1/46

\- 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: 594.708+/-0.206 χ^2/NDF:2152285.0/6

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

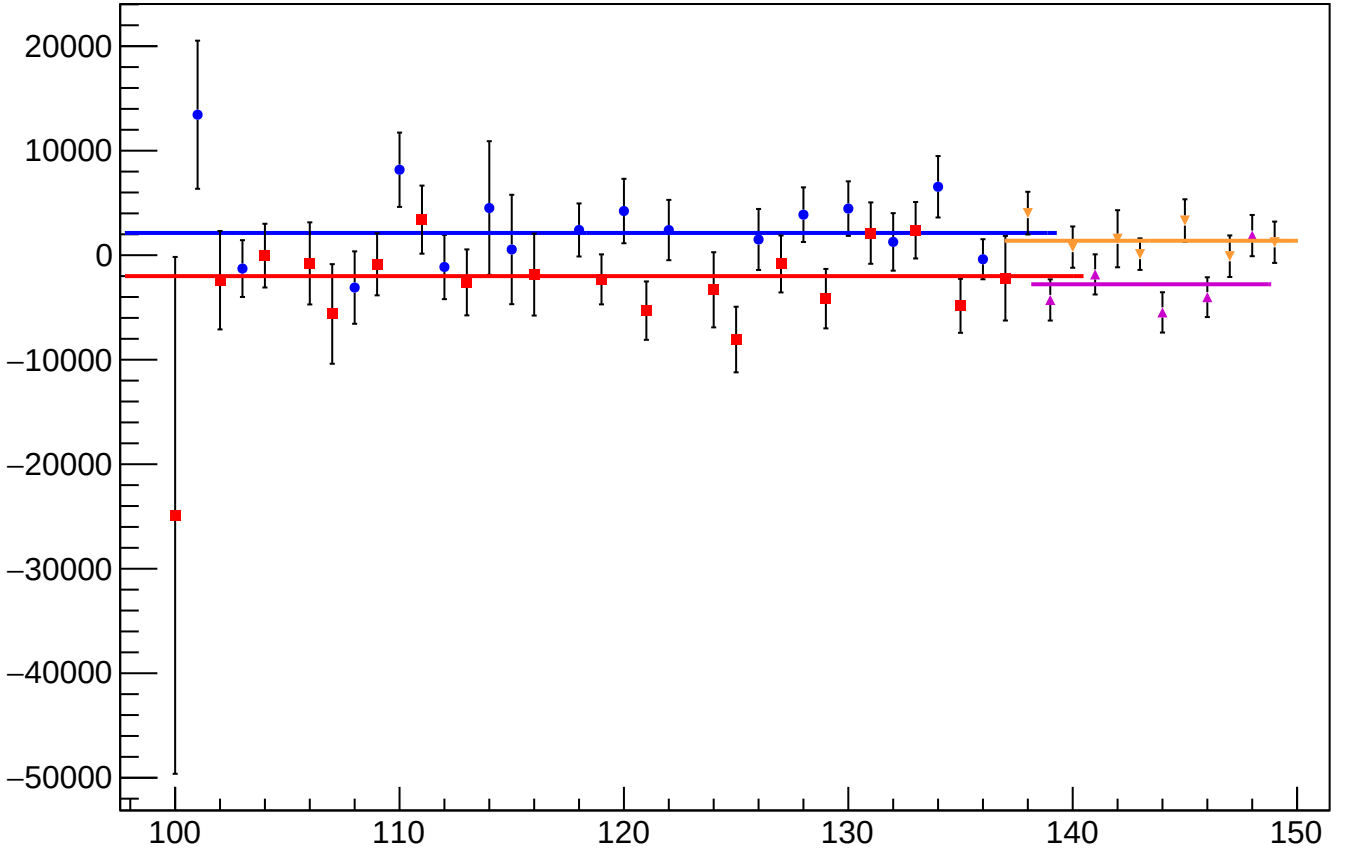
Left In: 639.137+/-0.237 χ^2/NDF:1288124.0/4

+ sign 601.168+/-0.130 χ^2/NDF: 3316367.4/22

All: 607.048+/-0.095 χ^2/NDF: 6954878.1/46

- 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: 1381.453+/-741.414 χ^2/NDF:4.0/6

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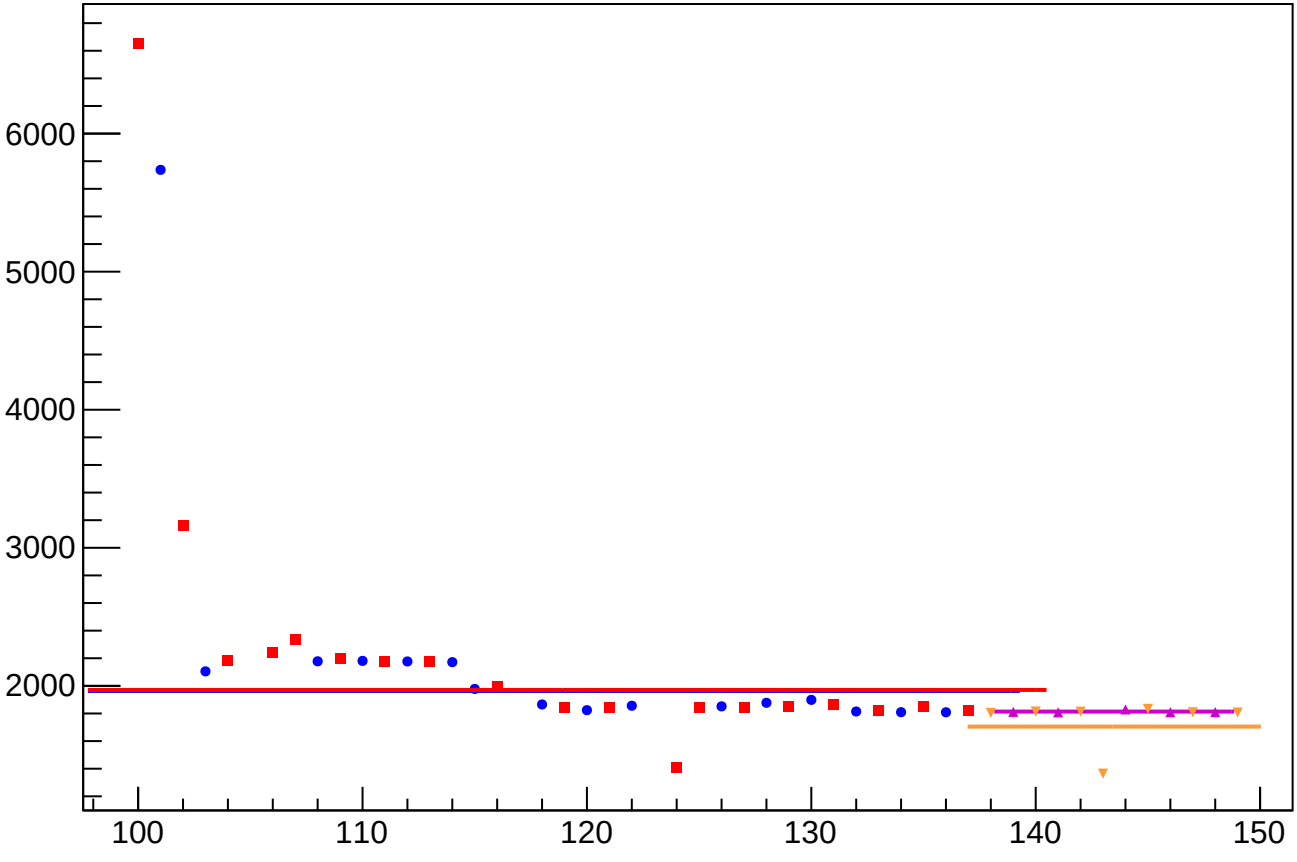
+ sign 1752.675+/-525.958 χ^2/NDF: 21.0/22

All: -154.442+/-383.912 χ^2/NDF: 75.1/46

- 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: 1705.095+/-0.524 χ^2/NDF:134567.1/6

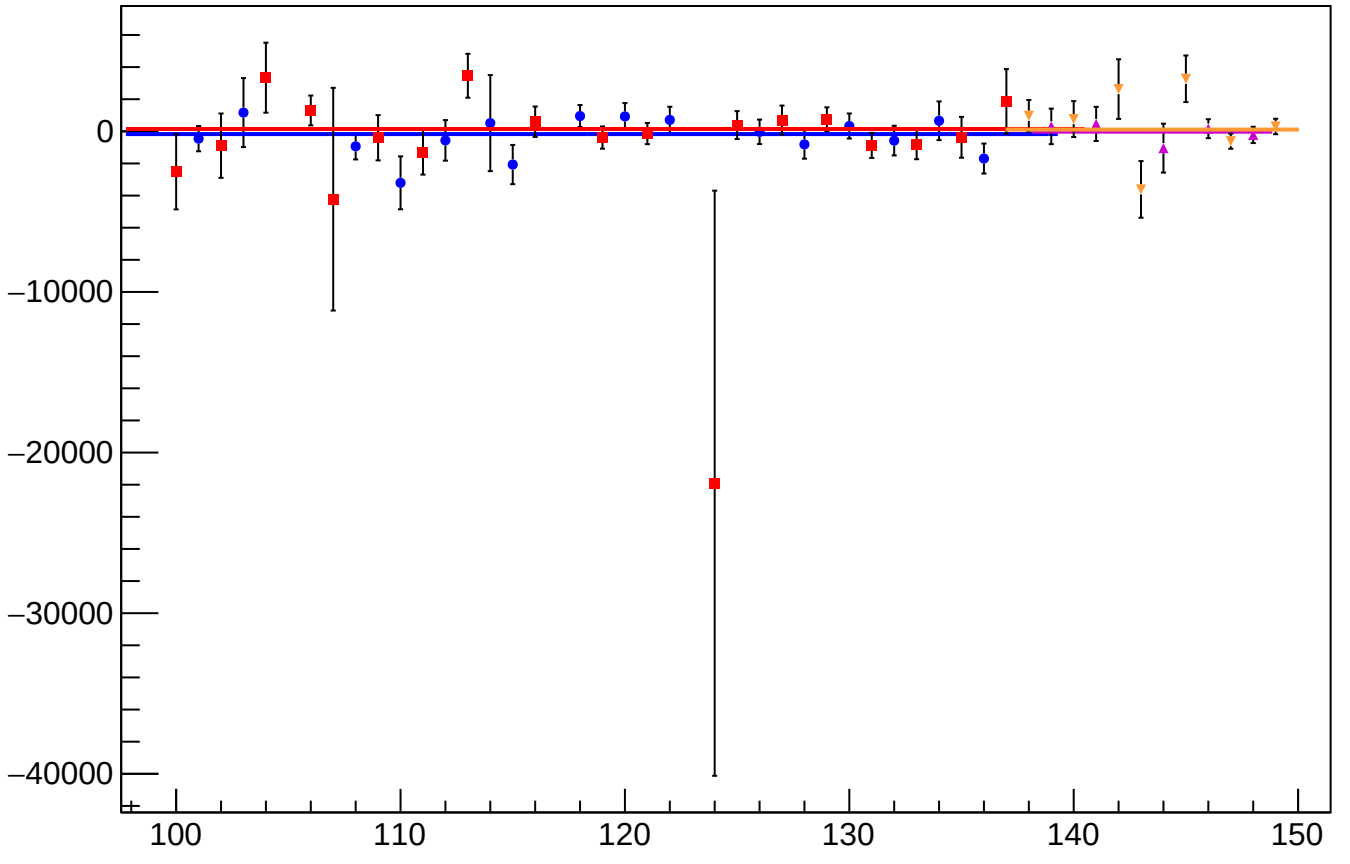
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1813.806+/-0.613 χ^2/NDF:172.9/4

+ sign 1833.416+/-0.372 χ^2/NDF: 895426.3/22

All: 1866.740+/-0.271 χ^2/NDF: 1295801.3/46

- 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: 110.104+/-291.727 χ^2/NDF:14.7/6

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

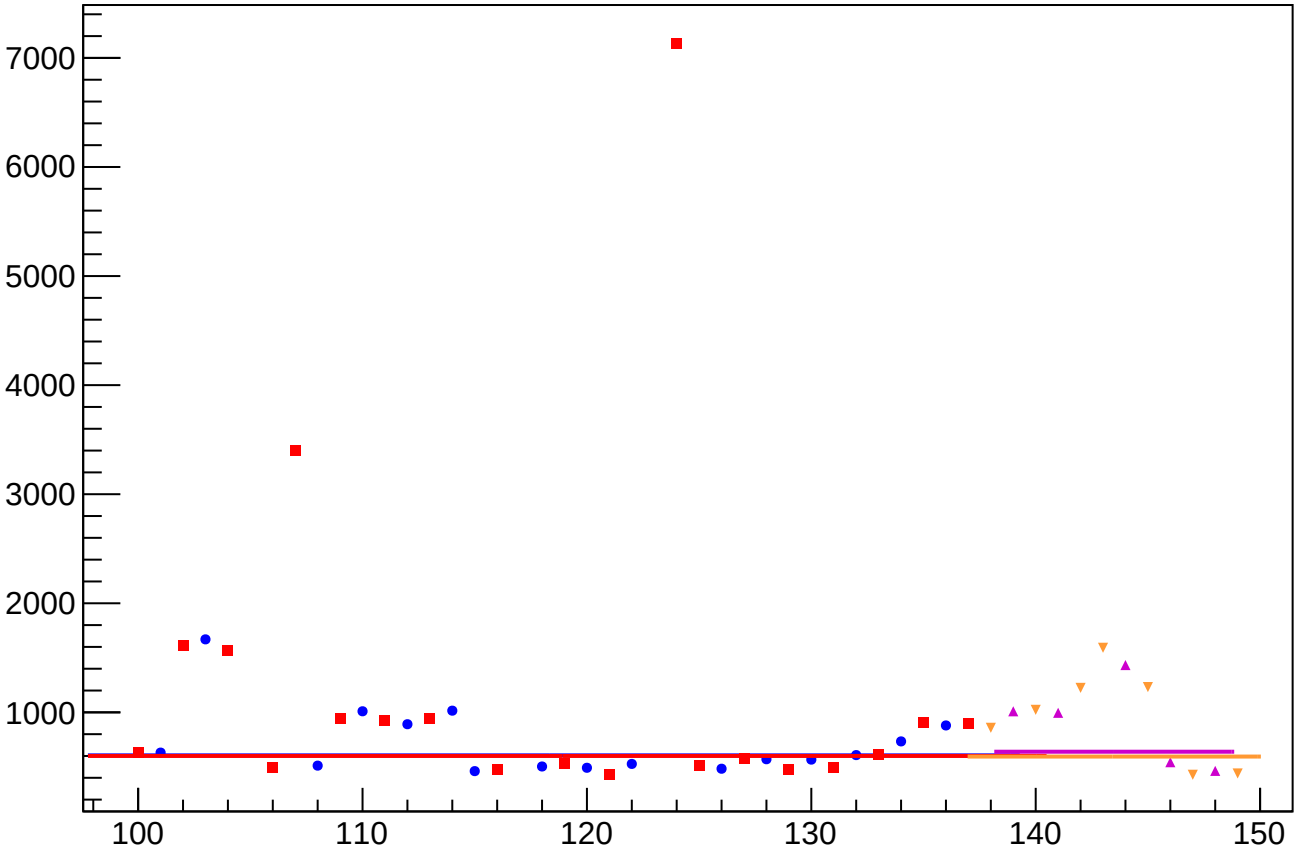
Left In: -20.180+/-335.092 χ^2/NDF:1.0/4

+ sign -59.150+/-183.906 χ^2/NDF: 32.5/22

All: 10.325+/-134.317 χ^2/NDF: 54.1/46

- 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: 594.709+/-0.206 χ^2/NDF:2152280.3/6

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

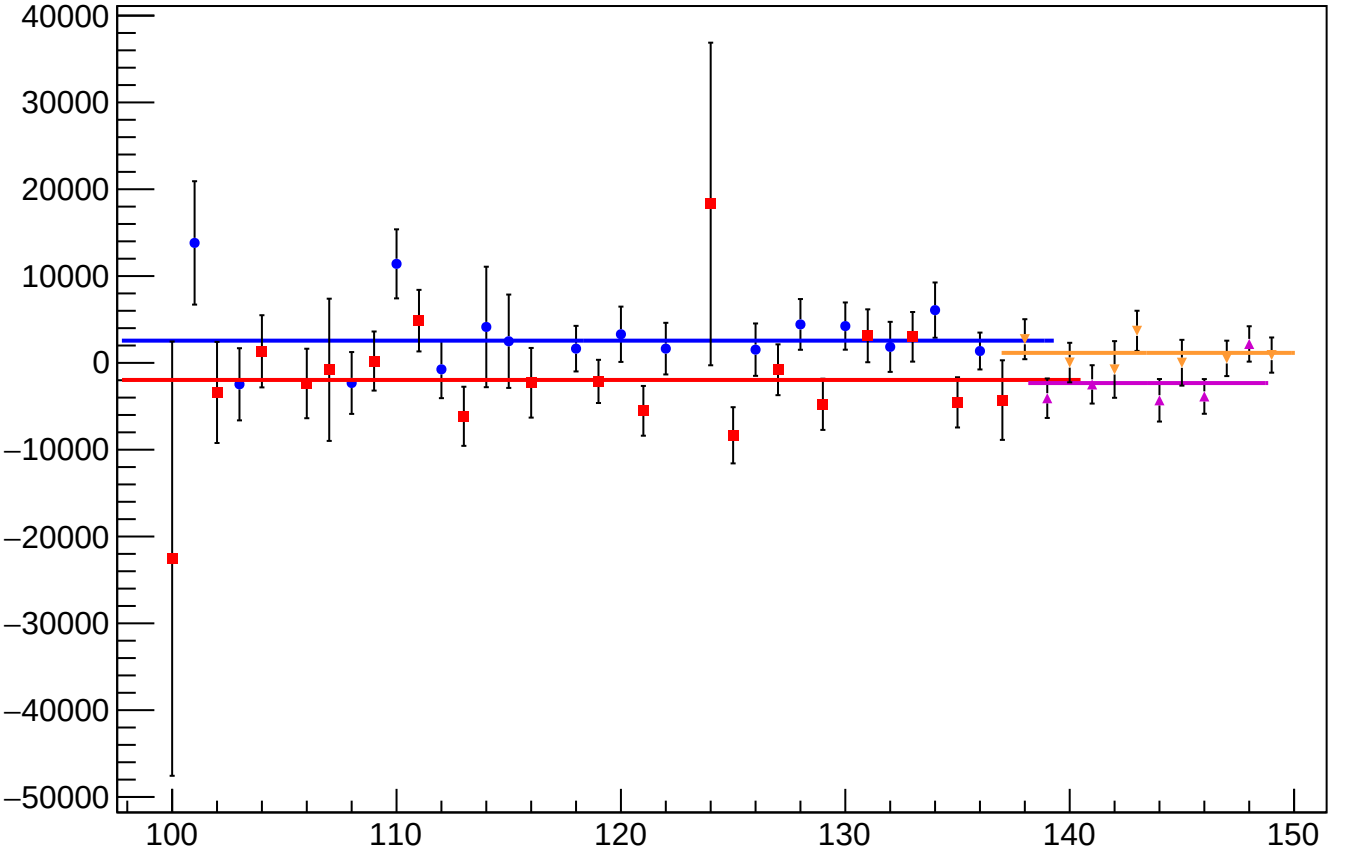
Left In: 639.139+/-0.237 χ^2/NDF:1288121.3/4

+ sign 601.168+/-0.130 χ^2/NDF: 3316370.0/22

All: 607.048+/-0.095 χ^2/NDF: 6954887.8/46

- 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: 1151.929+/-880.580 χ^2/NDF:2.6/6

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

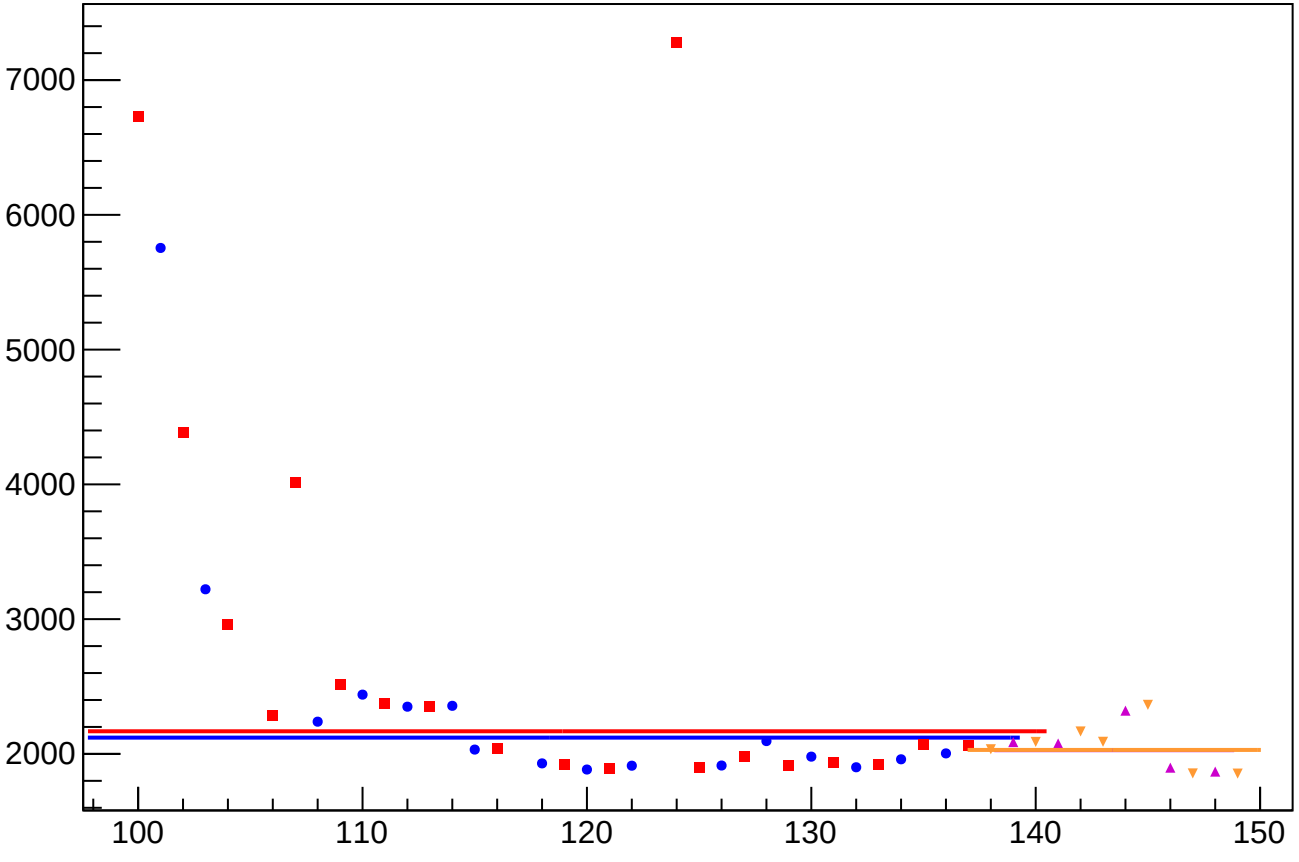
Left In: -2324.454+/-973.009 χ^2/NDF:6.7/4

+ sign 1915.469+/-596.013 χ^2/NDF: 18.6/22

All: 0.695+/-431.824 χ^2/NDF: 68.7/46

- sign -2115.040+/-626.509 χ^2/NDF: 28.4/23

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2029.390+/-0.623 χ^2/NDF:68070.8/6

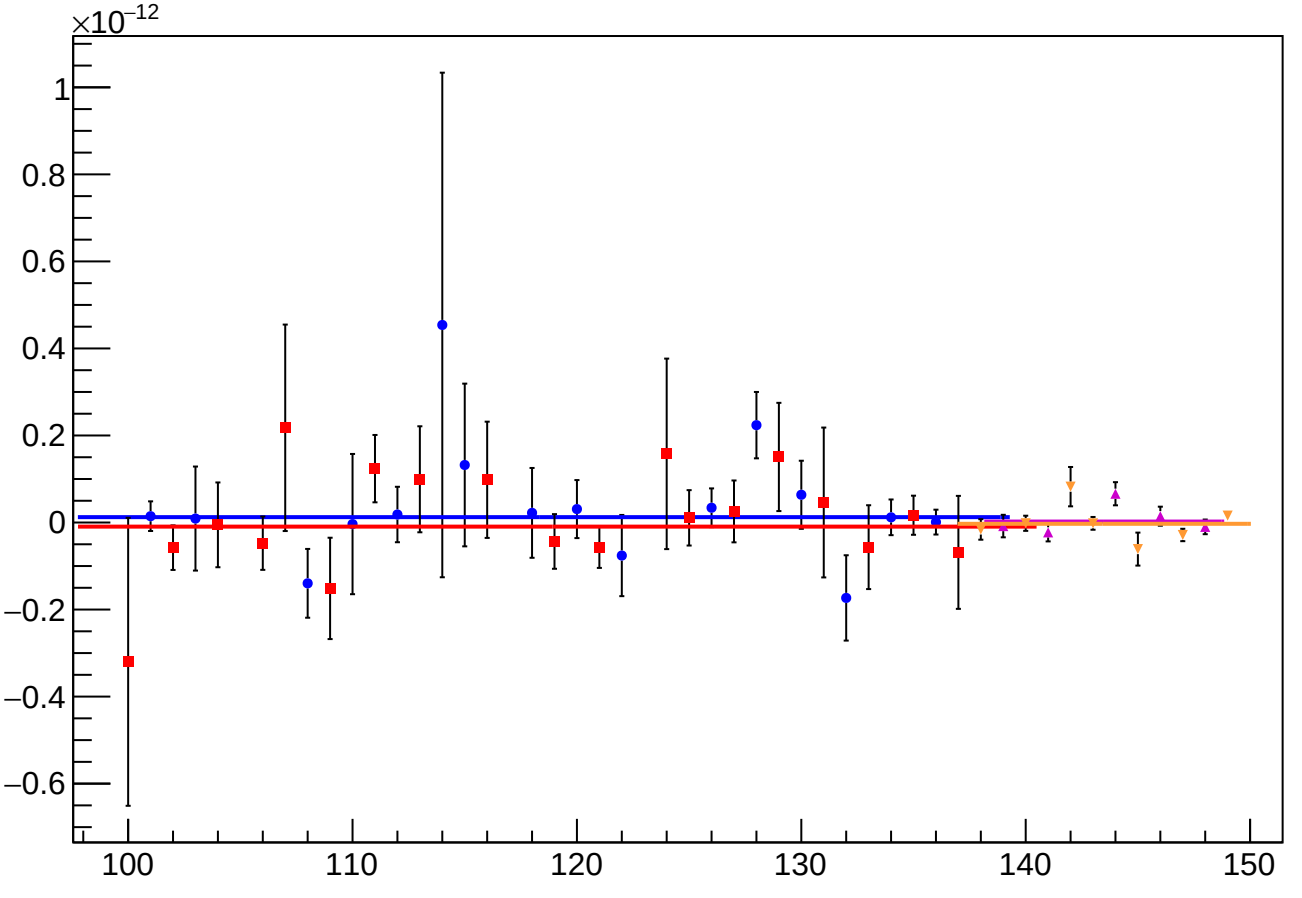
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2027.540+/-0.688 χ^2/NDF:51654.2/4

+ sign 2078.912+/-0.421 χ^2/NDF: 839712.8/22

All: 2093.525+/-0.305 χ^2/NDF: 1742166.2/46

- 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:12.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

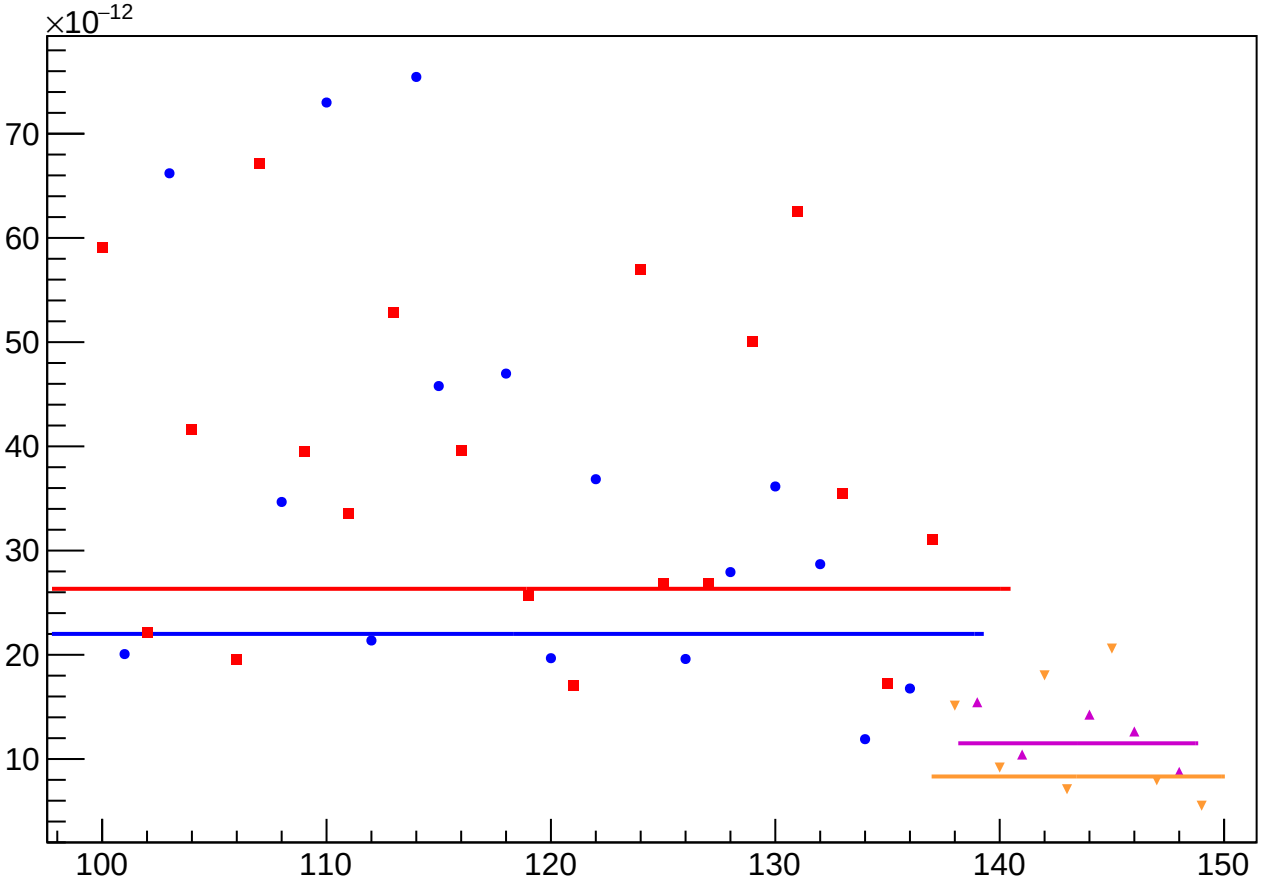
Left In: 0.000+/-0.000 χ^2/NDF:8.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 30.8/22

All: -0.000+/-0.000 χ^2/NDF: 53.1/46

- 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:605356.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

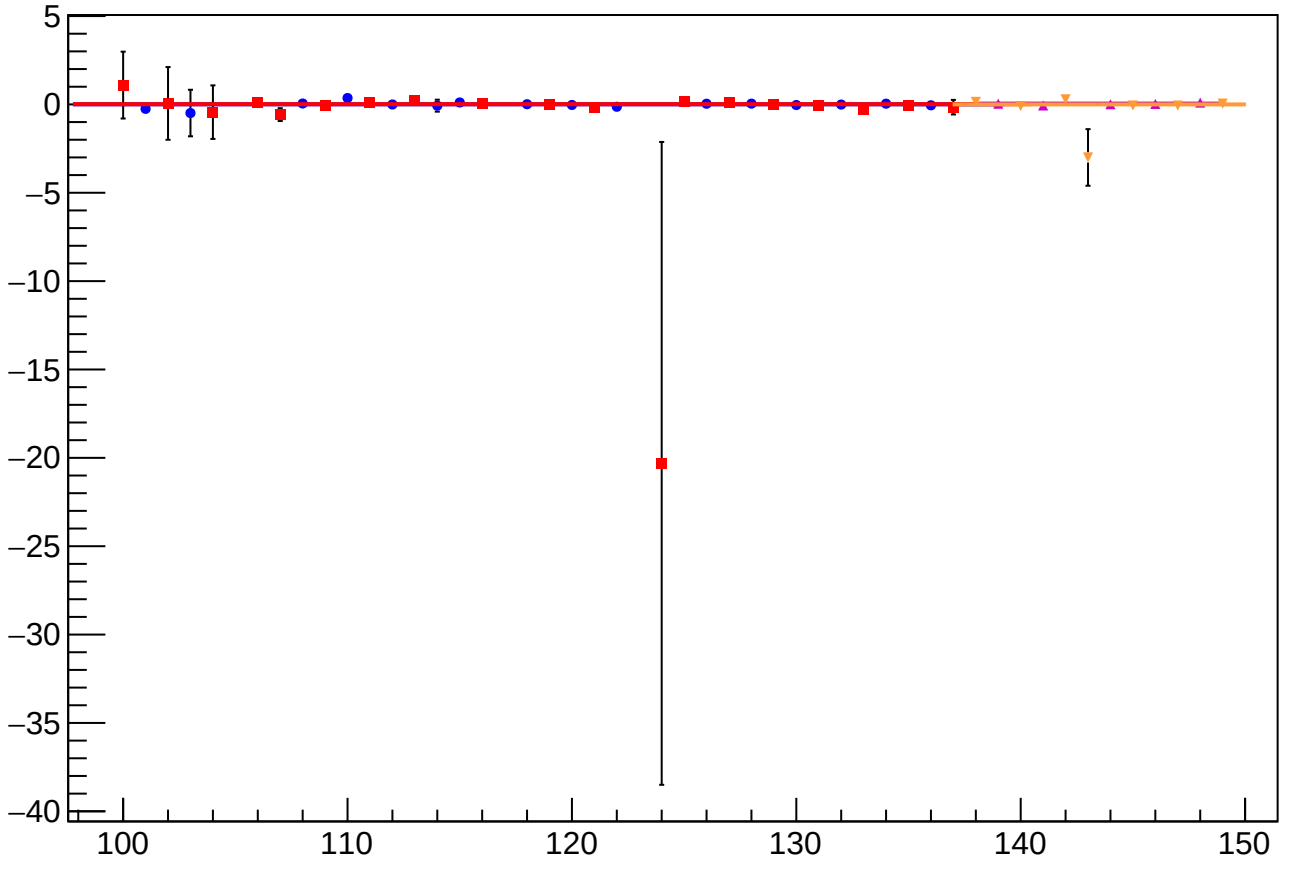
Left In: 0.000+/-0.000 χ^2/NDF:131607.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 3078052.6/22

All: 0.000+/-0.000 χ^2/NDF: 5295180.3/46

- 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: 0.000+/-0.029 χ^2/NDF:13.3/6

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

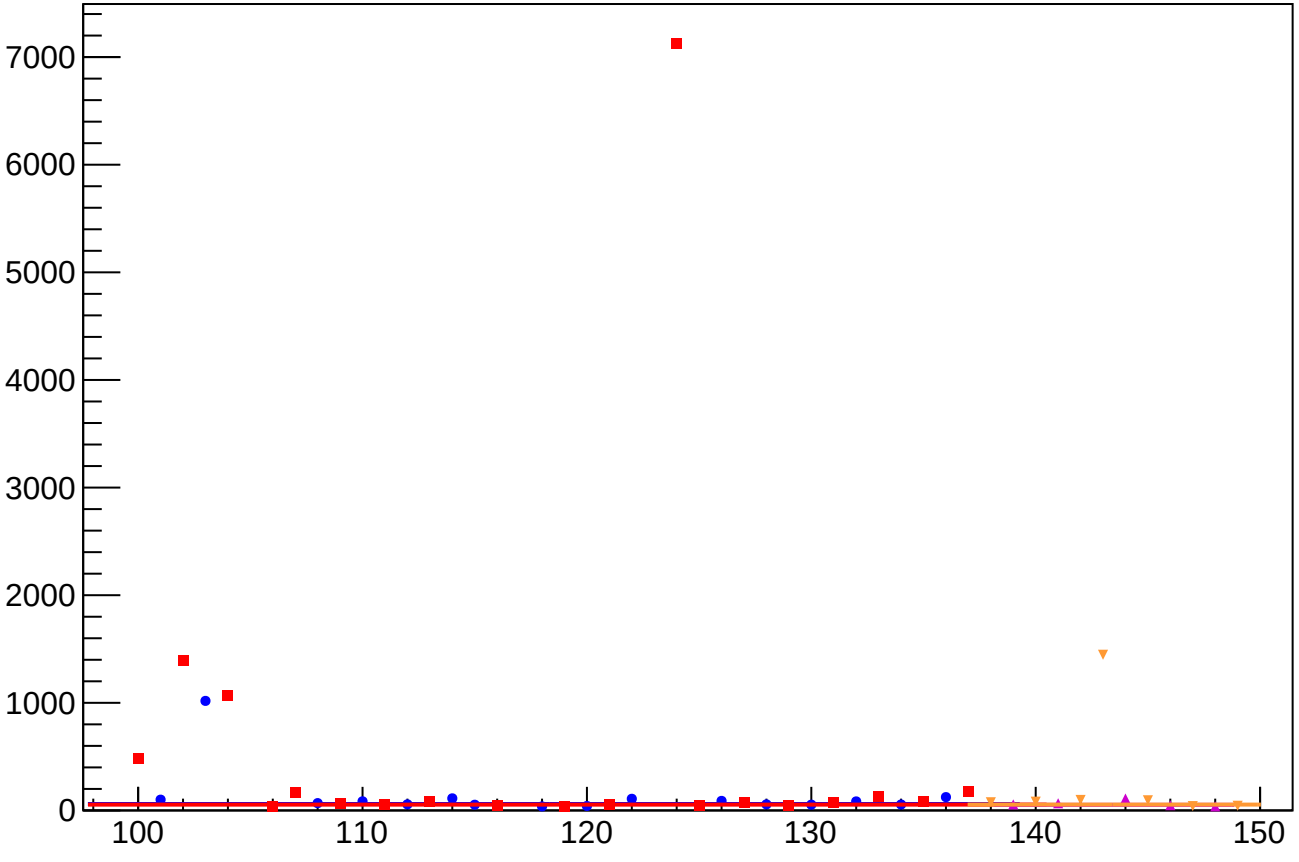
Left In: 0.046+/-0.028 χ^2/NDF:3.7/4

+ sign 0.002+/-0.020 χ^2/NDF: 24.7/22

All: 0.015+/-0.014 χ^2/NDF: 47.6/46

- 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: 54.476+/-0.020 χ^2/NDF:2459436.4/6

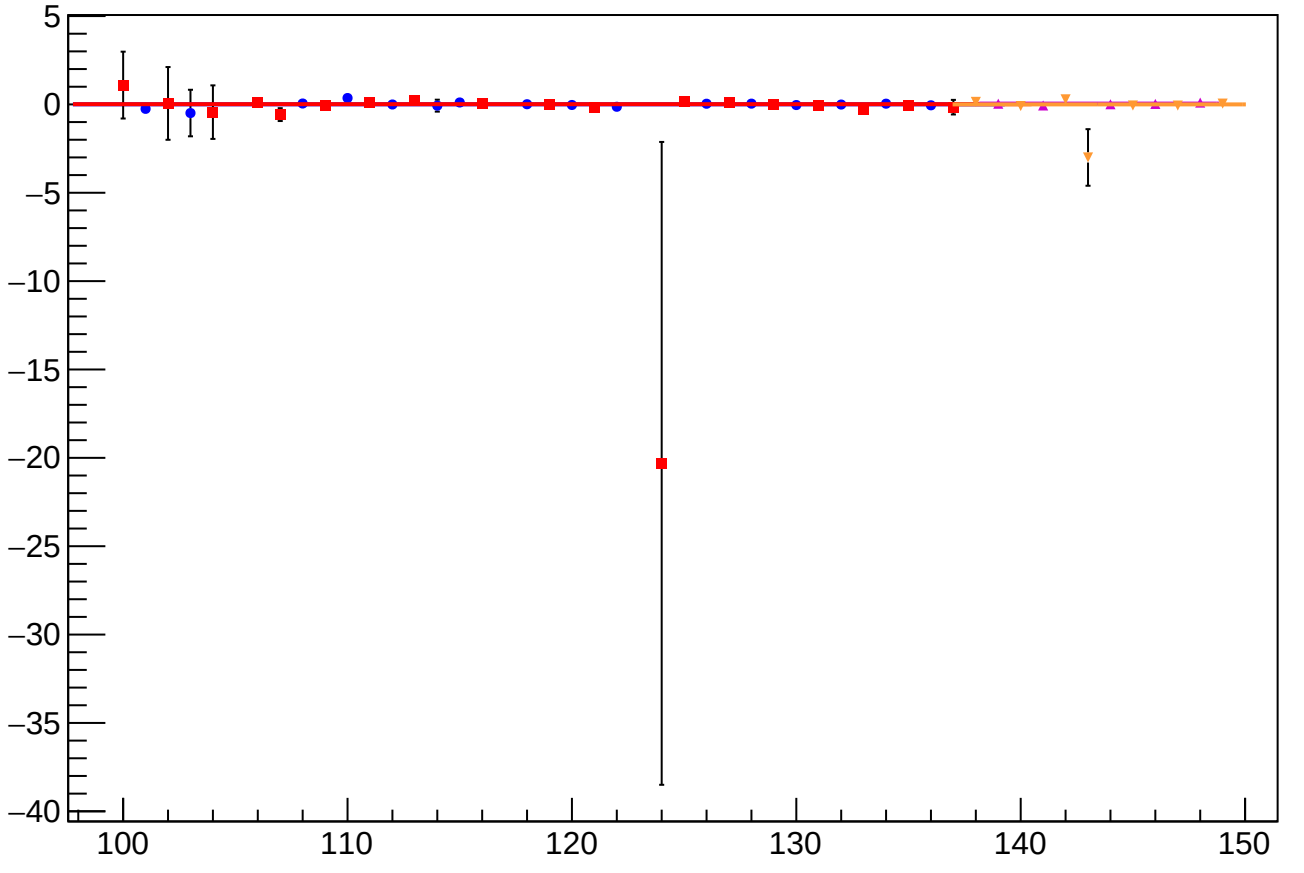
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 51.986+/-0.020 χ^2/NDF:754759.5/4

+ sign 57.369+/-0.014 χ^2/NDF: 5035437.8/22

All: 55.237+/-0.010 χ^2/NDF: 9364662.7/46

- 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: 0.000+/-0.029 χ^2/NDF:13.3/6

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

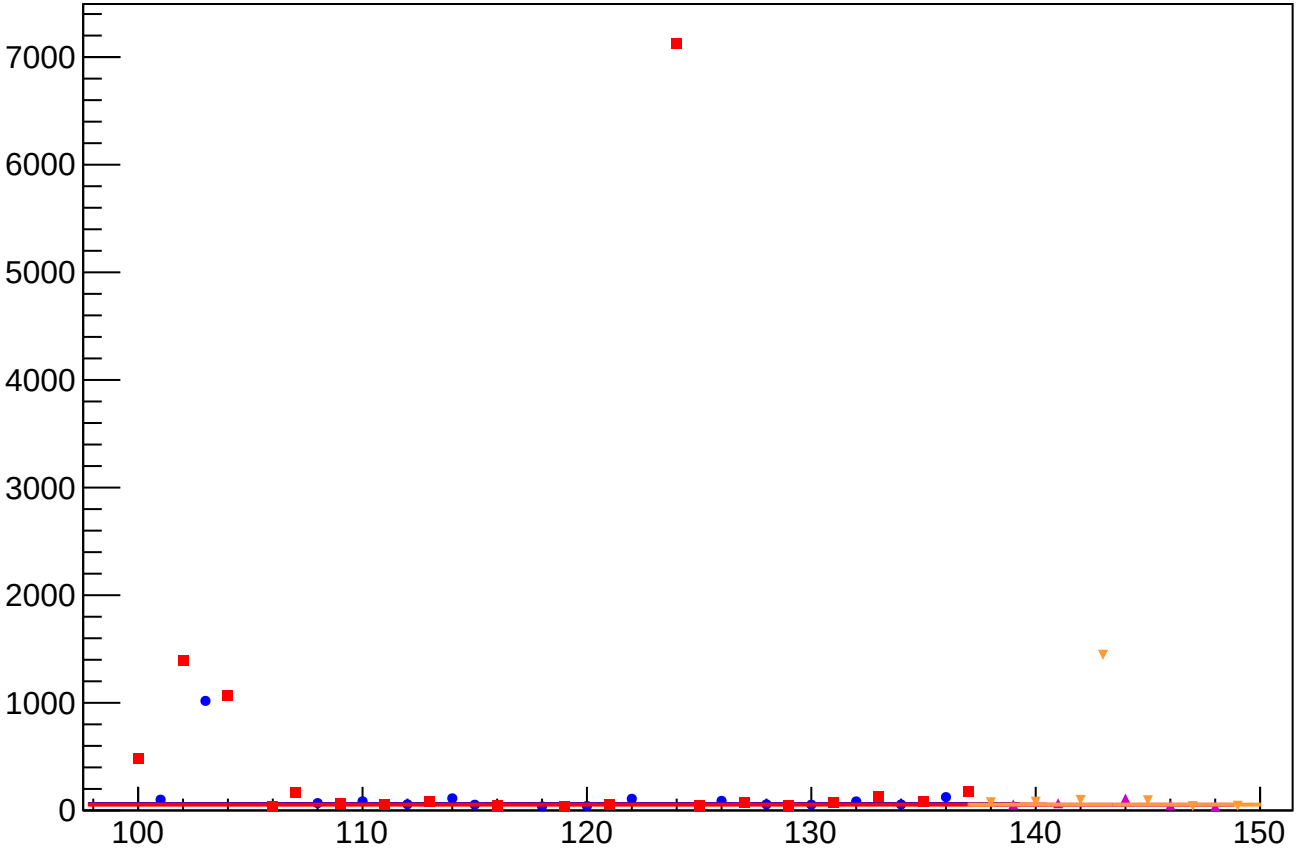
Left In: 0.046+/-0.028 χ^2/NDF:3.7/4

+ sign 0.002+/-0.020 χ^2/NDF: 24.7/22

All: 0.015+/-0.014 χ^2/NDF: 47.6/46

- 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: 54.476+/-0.020 χ^2/NDF:2459436.4/6

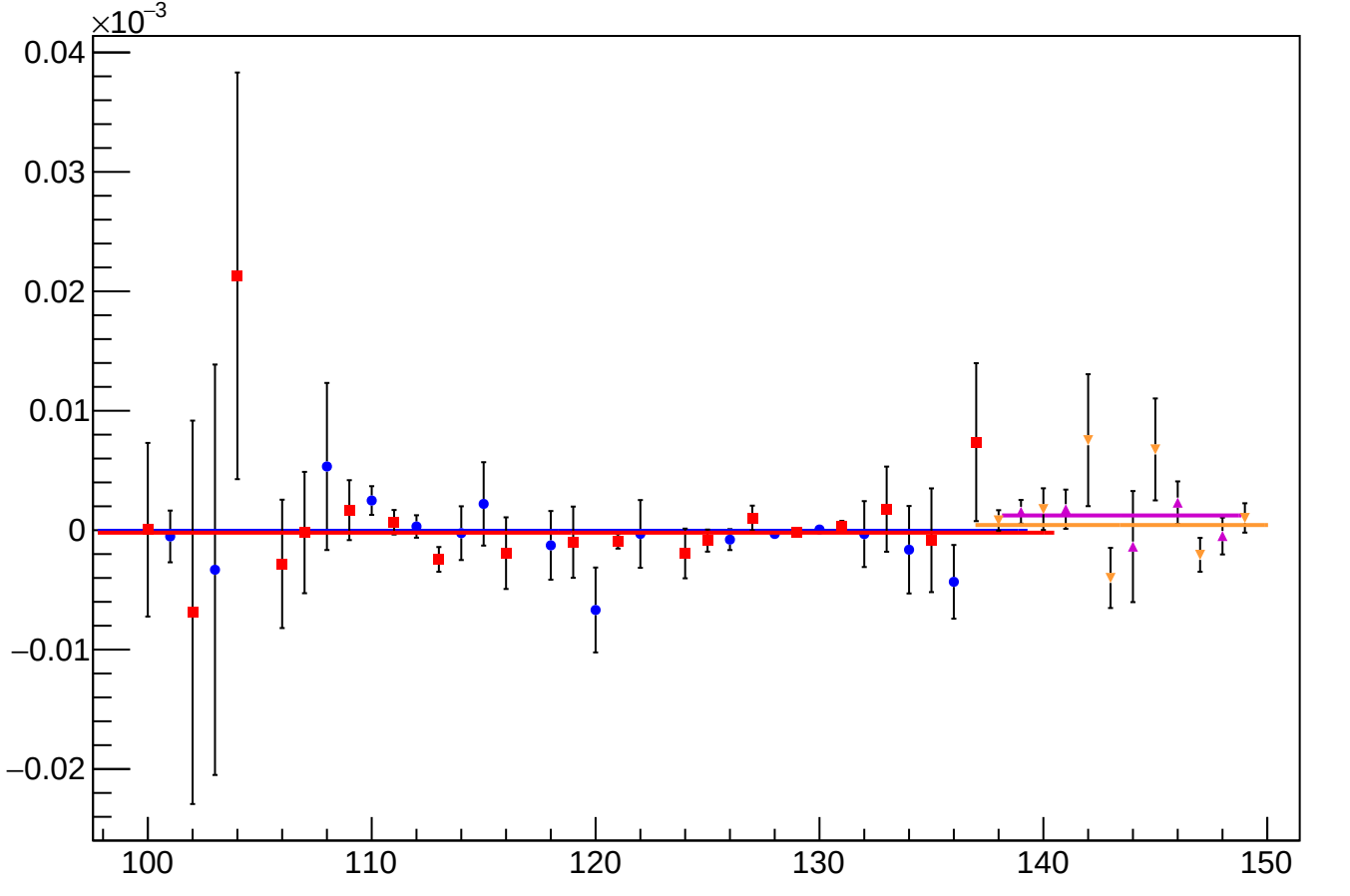
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 51.986+/-0.020 χ^2/NDF:754759.5/4

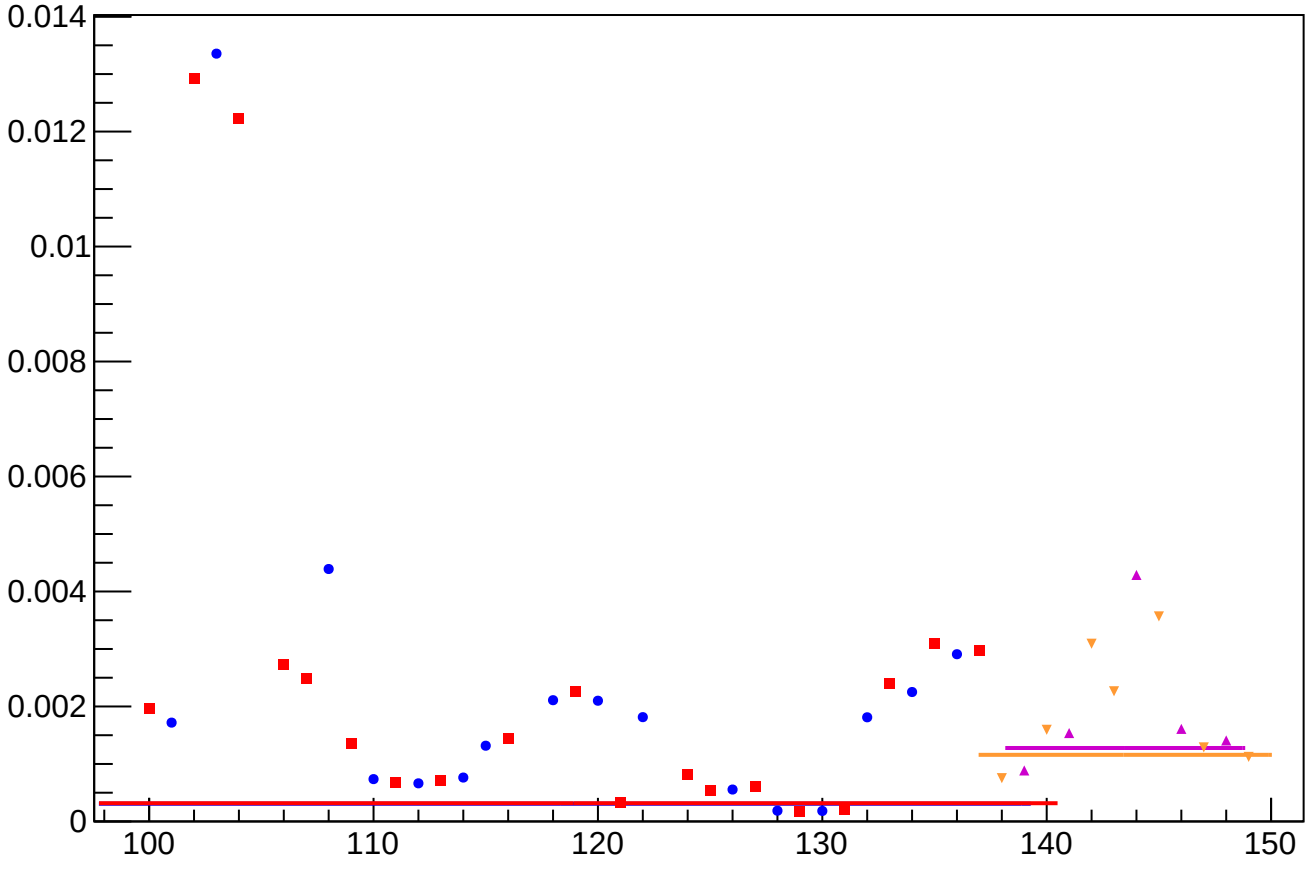
+ sign 57.369+/-0.014 χ^2/NDF: 5035437.8/22

All: 55.237+/-0.010 χ^2/NDF: 9364662.7/46

- sign 53.222+/-0.013 χ^2/NDF: 4283311.4/23


asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
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: 12.8/15
Left Out: 0.000+/-0.000 χ²/NDF:11.1/6
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/18
Left In: 0.000+/-0.000 χ²/NDF:2.1/4
+ sign -0.000+/-0.000 χ²/NDF: 24.5/22
All: -0.000+/-0.000 χ²/NDF: 46.6/46
- sign -0.000+/-0.000 χ²/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:1860216.4/6

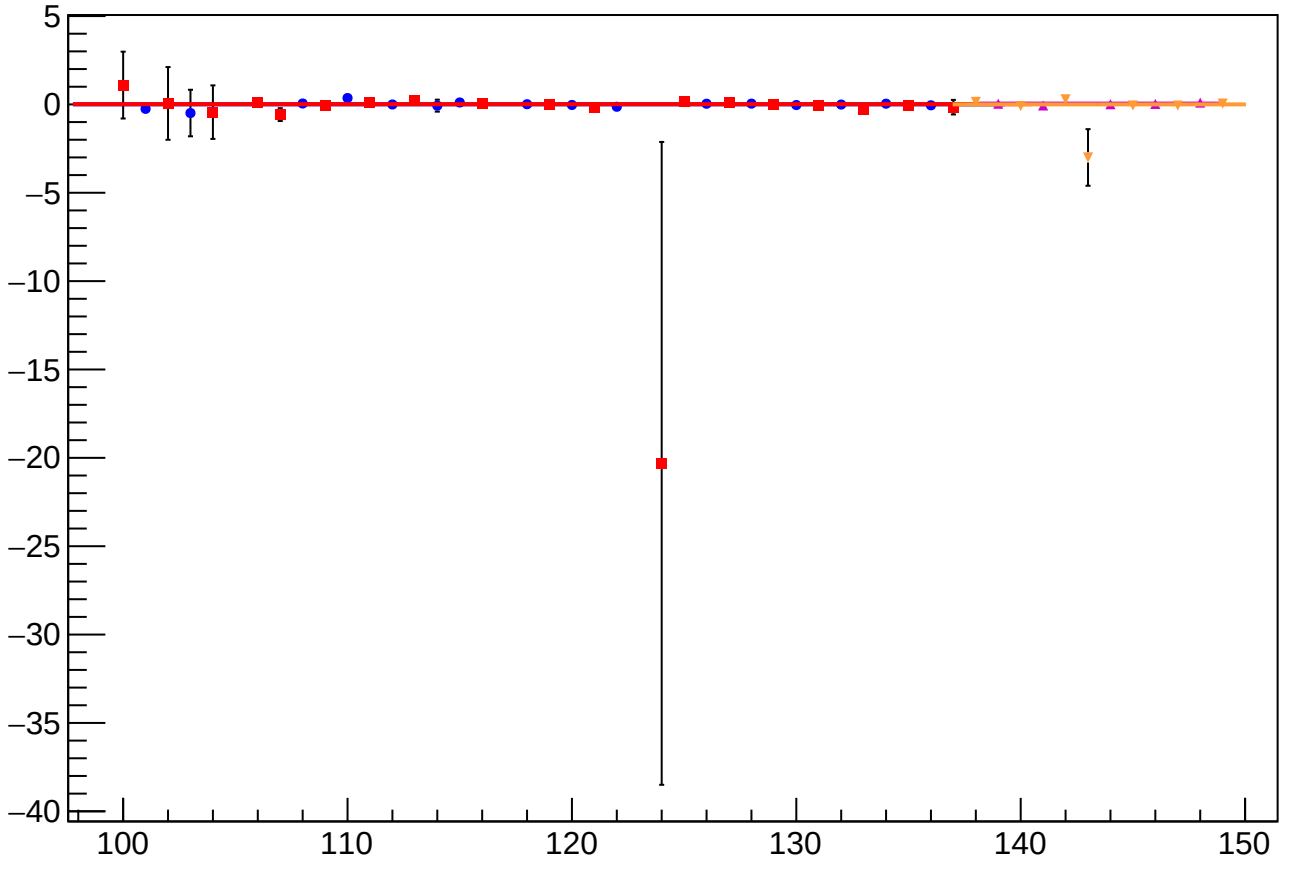
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1281975.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 14632289.7/22

All: 0.000+/-0.000 χ^2/NDF: 27632644.6/46

- 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: 0.000+/-0.029 χ^2/NDF:13.3/6

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

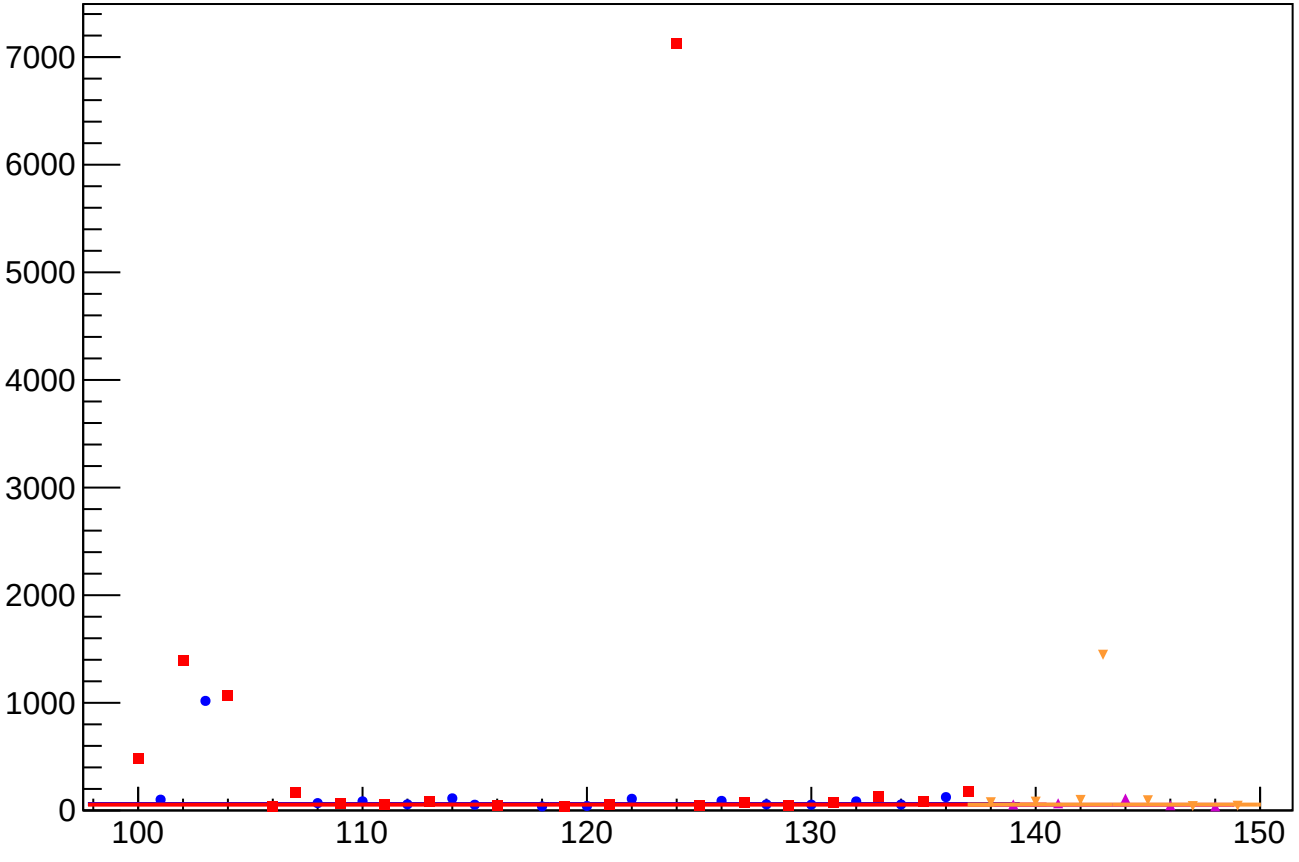
Left In: 0.046+/-0.028 χ^2/NDF:3.7/4

+ sign 0.002+/-0.020 χ^2/NDF: 24.7/22

All: 0.015+/-0.014 χ^2/NDF: 47.6/46

- 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: 54.476+/-0.020 χ^2/NDF:2459416.6/6

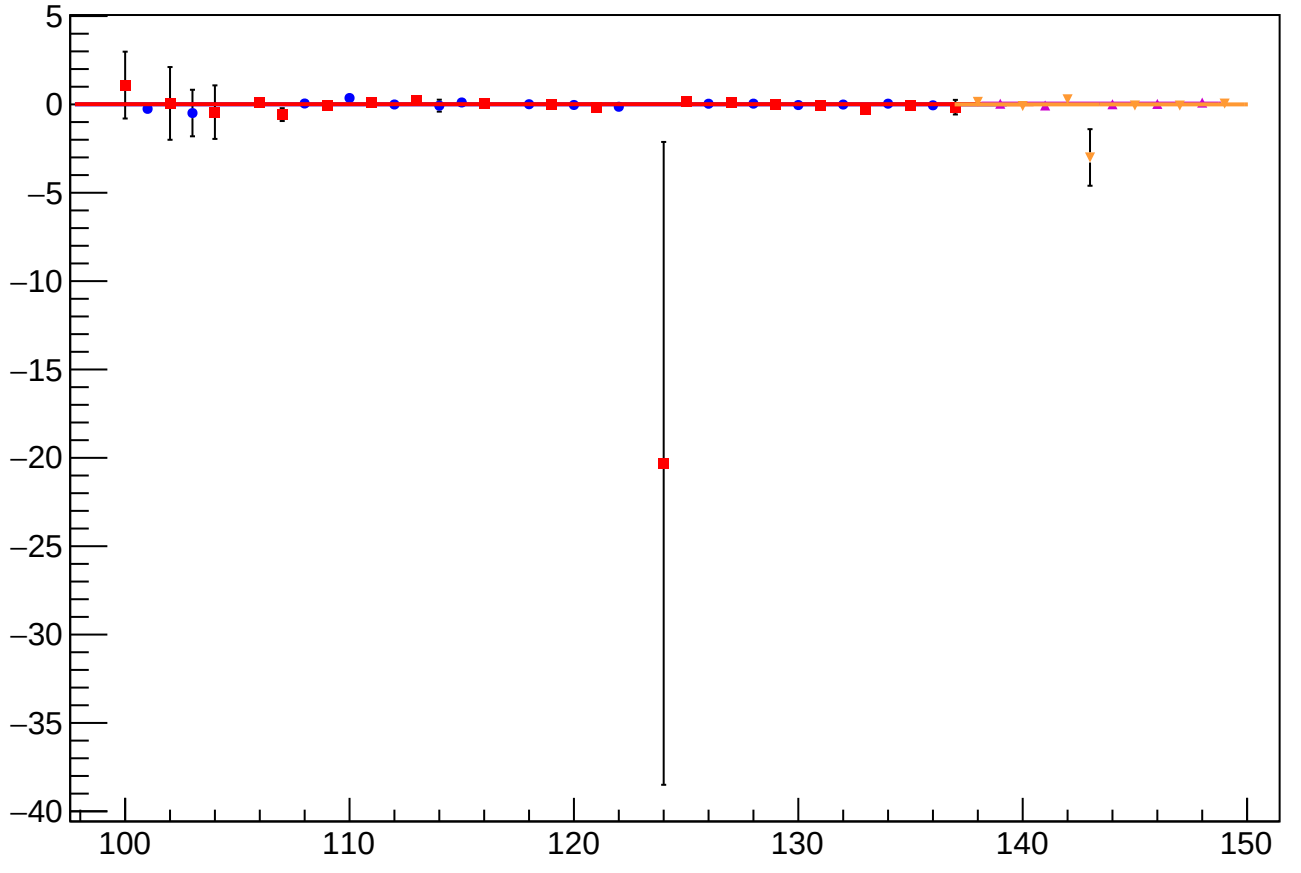
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 51.986+/-0.020 χ^2/NDF:754765.8/4

+ sign 57.369+/-0.014 χ^2/NDF: 5035425.0/22

All: 55.237+/-0.010 χ^2/NDF: 9364725.6/46

- 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: 0.000+/-0.029 χ^2/NDF:13.3/6

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

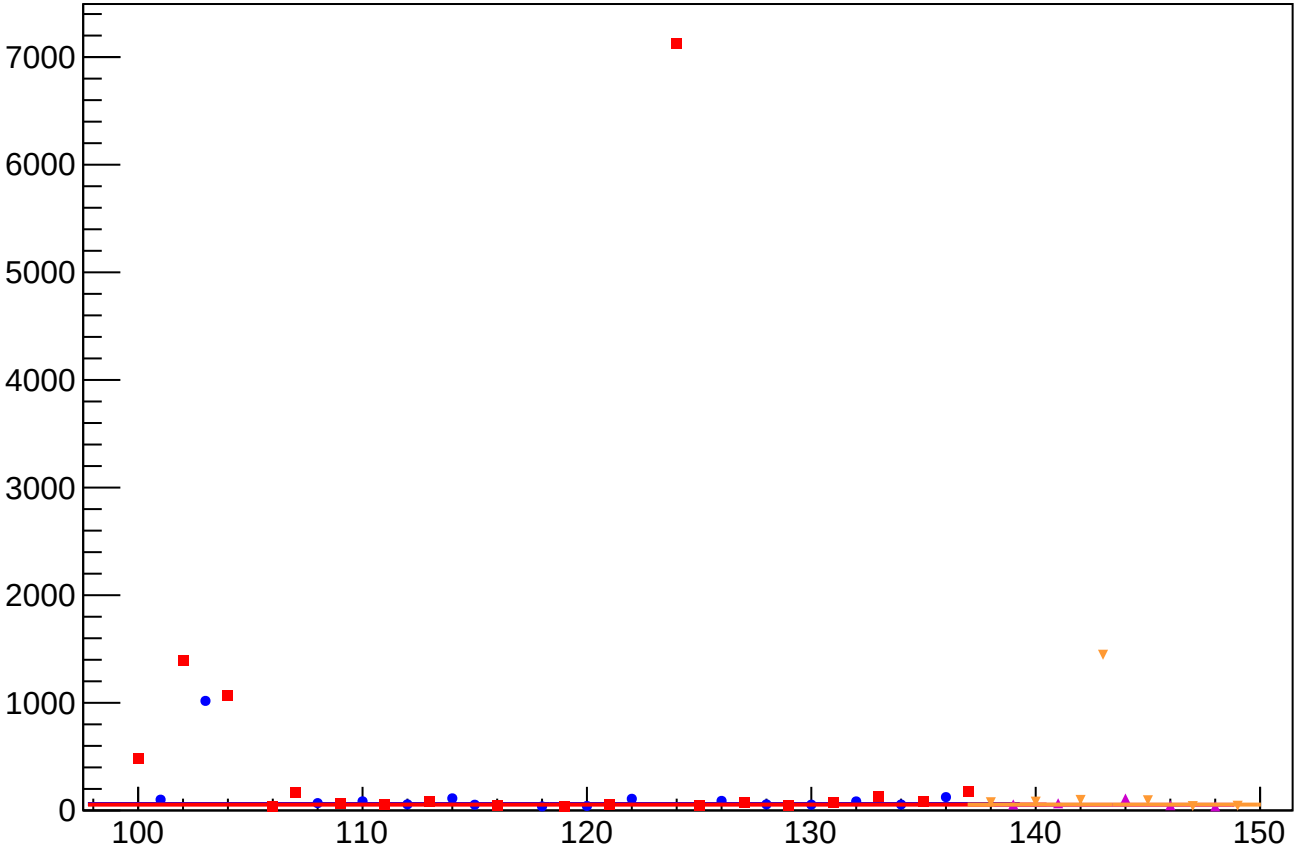
Left In: 0.046+/-0.028 χ^2/NDF:3.7/4

+ sign 0.002+/-0.020 χ^2/NDF: 24.7/22

All: 0.015+/-0.014 χ^2/NDF: 47.6/46

- 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: 54.476+/-0.020 χ^2/NDF:2459416.6/6

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

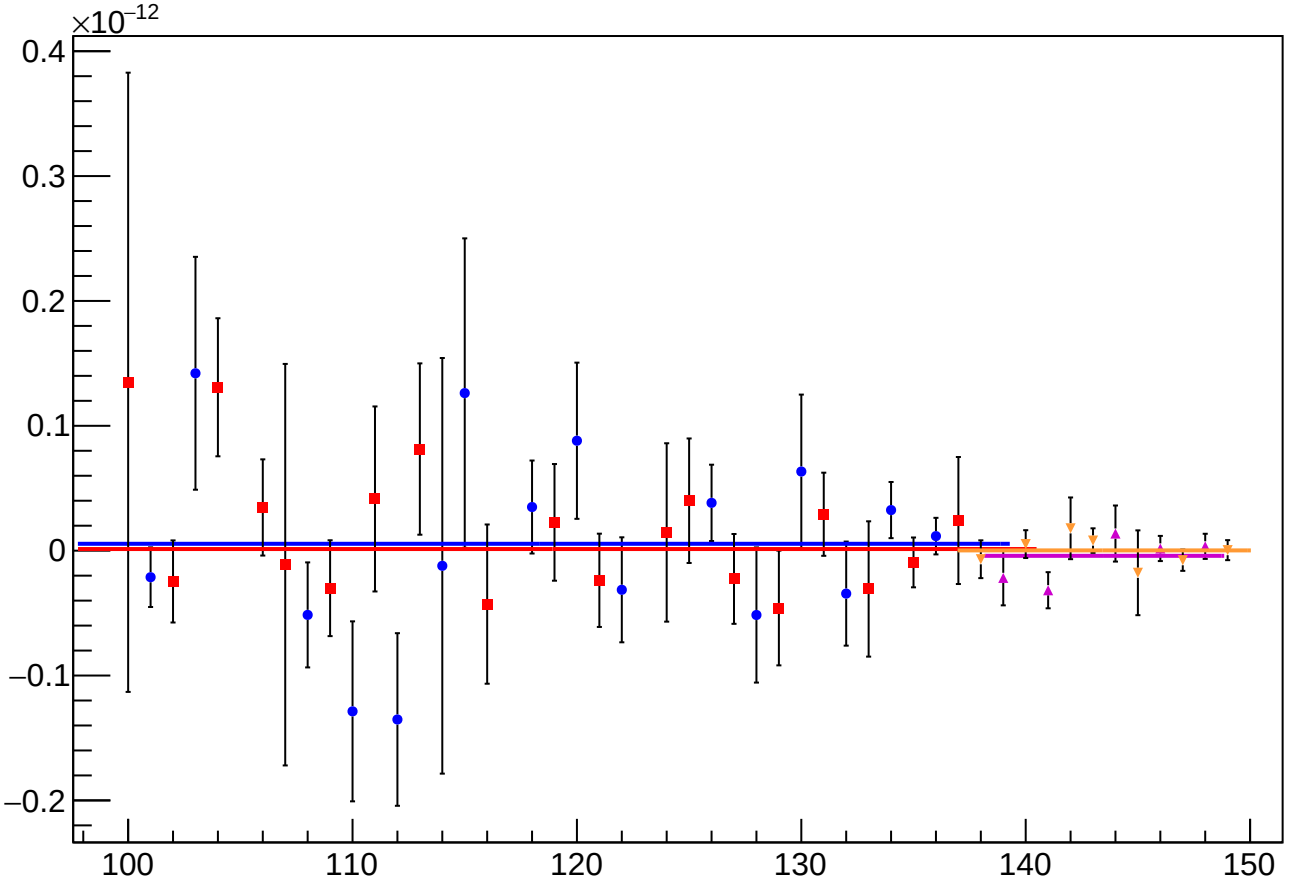
Left In: 51.986+/-0.020 χ^2/NDF:754765.8/4

+ sign 57.369+/-0.014 χ^2/NDF: 5035425.0/22

All: 55.237+/-0.010 χ^2/NDF: 9364725.6/46

- sign 53.222+/-0.013 χ^2/NDF: 4283372.0/23

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/6

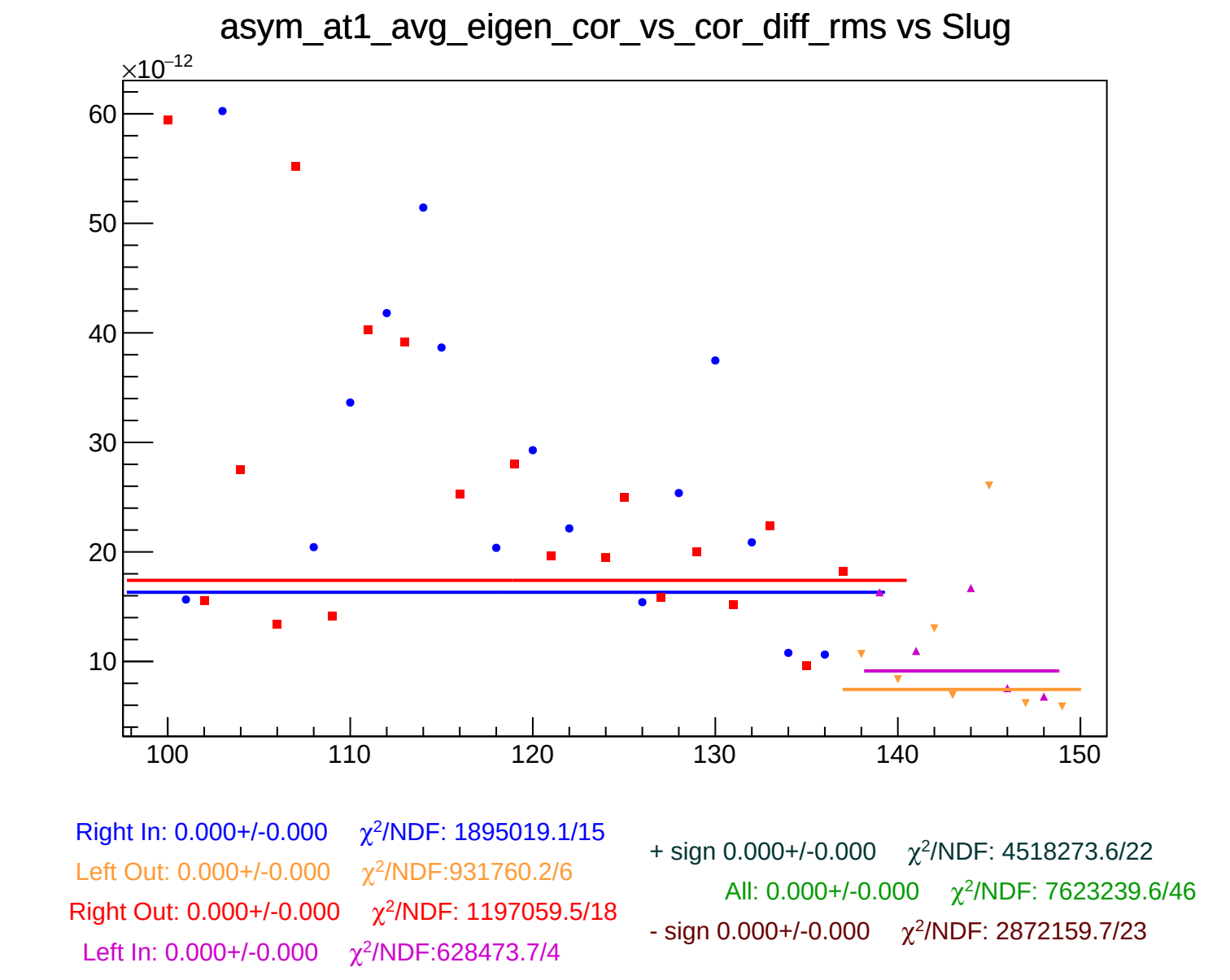
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/4

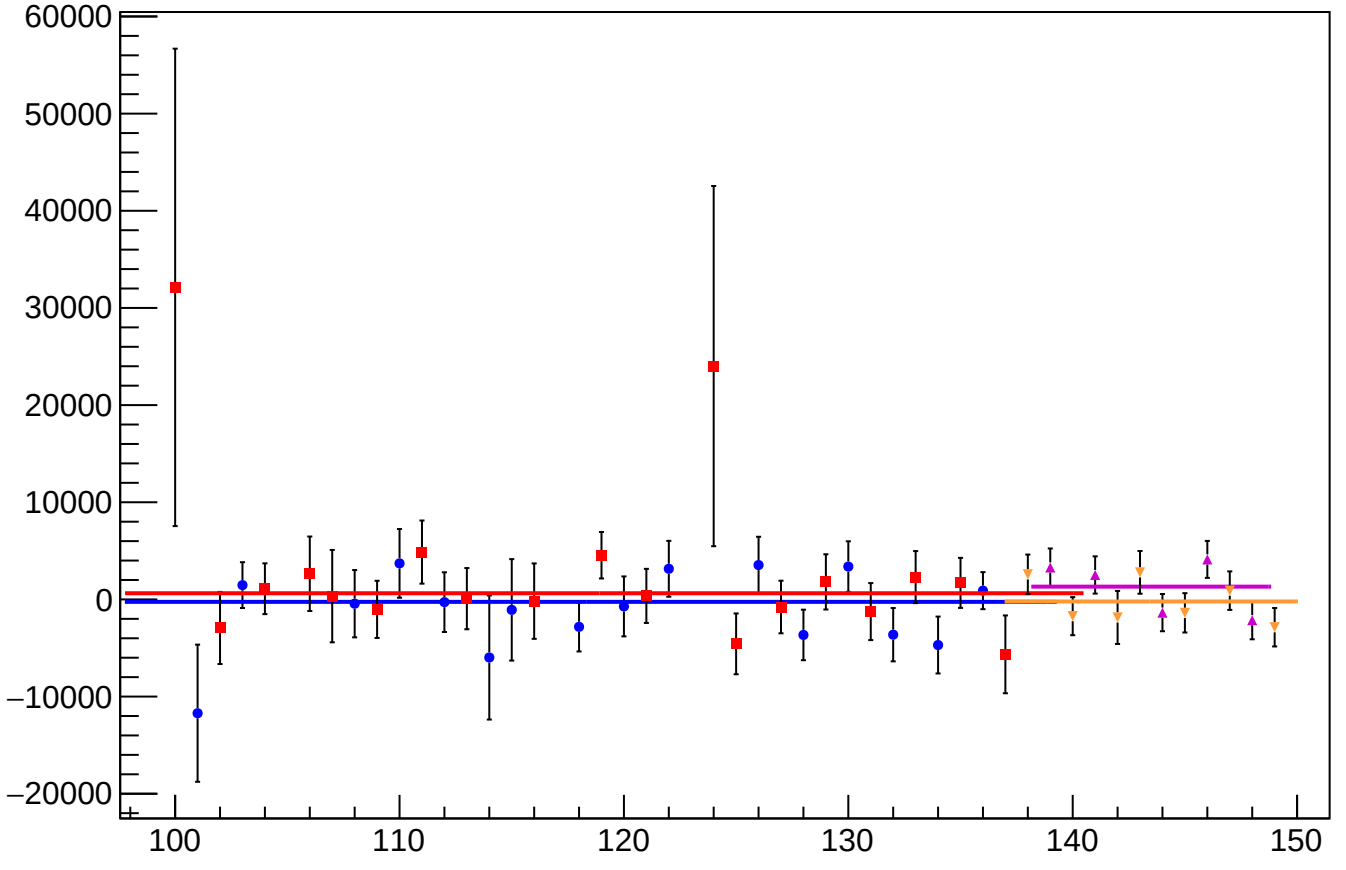
+ sign 0.000+/-0.000 χ^2/NDF: 25.6/22

All: -0.000+/-0.000 χ^2/NDF: 46.3/46

- 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:931760.2/6
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: 4518273.6/22
All: 0.000+/-0.000 χ²/NDF: 7623239.6/46
- 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: -211.847+/-791.291 χ^2/NDF:7.1/6

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

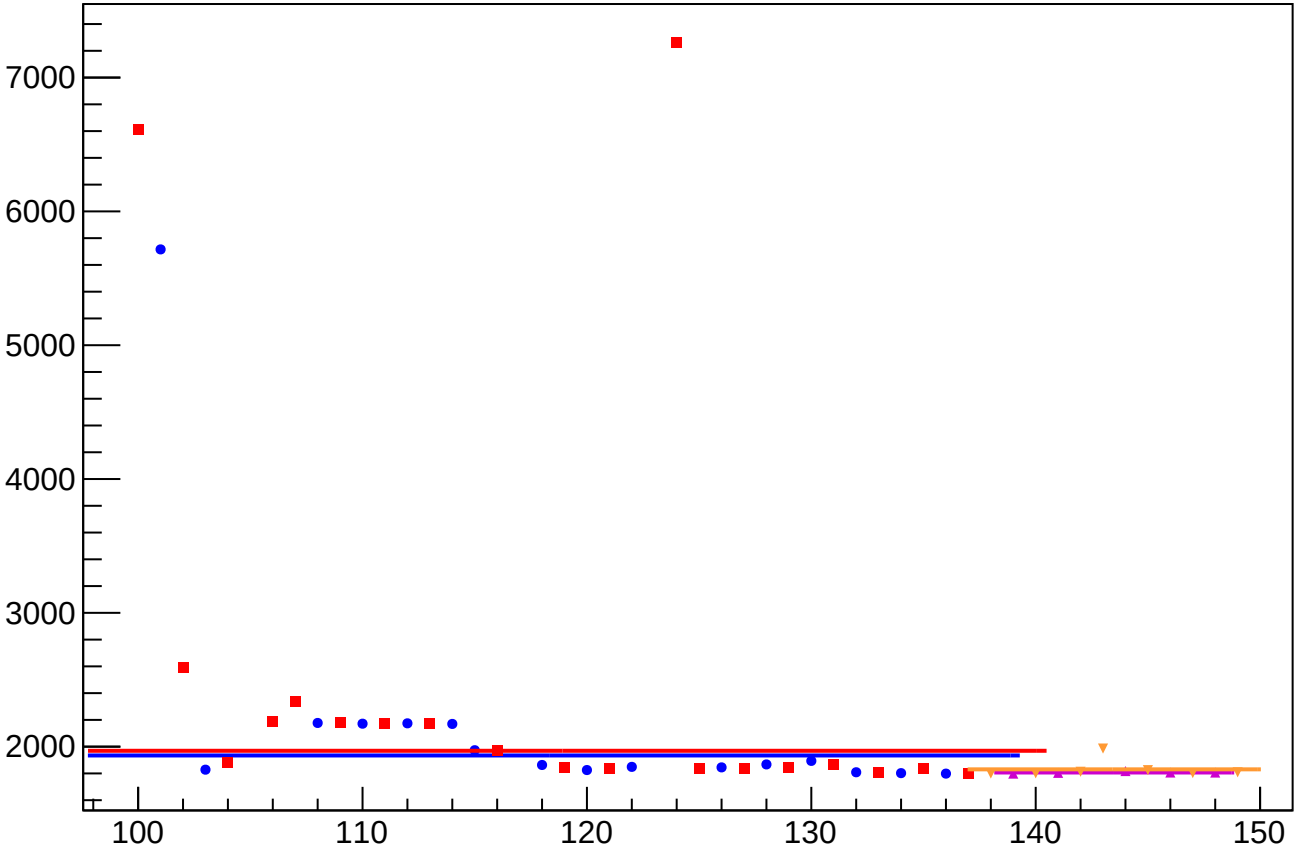
Left In: 1314.592+/-863.852 χ^2/NDF:8.6/4

+ sign -233.022+/-538.569 χ^2/NDF: 24.4/22

All: 321.588+/-388.183 χ^2/NDF: 51.5/46

- 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: 1830.466+/-0.560 χ^2/NDF:11699.1/6

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

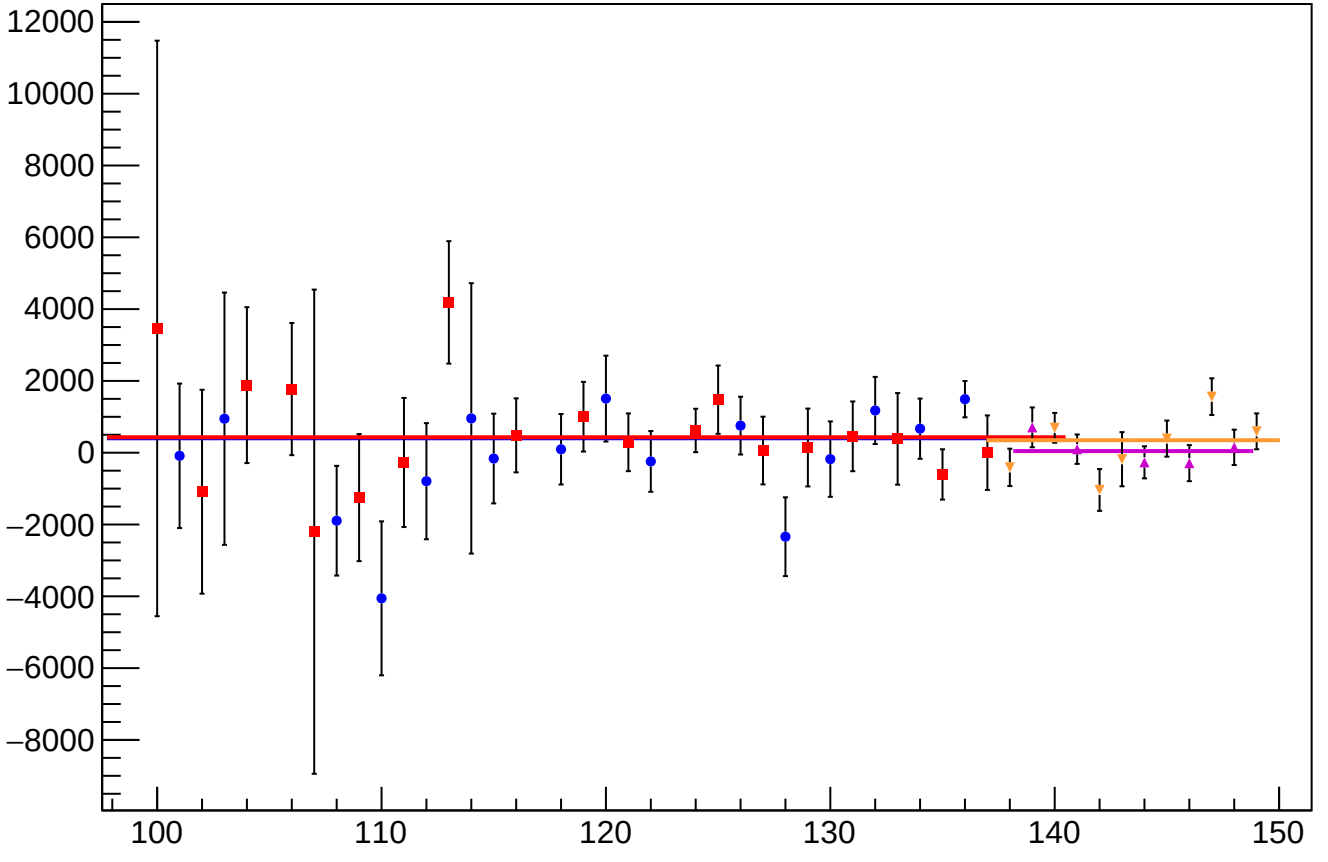
Left In: 1806.972+/-0.611 χ^2/NDF:102.3/4

+ sign 1886.155+/-0.381 χ^2/NDF: 670074.1/22

All: 1893.301+/-0.274 χ^2/NDF: 1090183.1/46

- 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: 348.191+/-196.238 χ^2/NDF:14.8/6

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

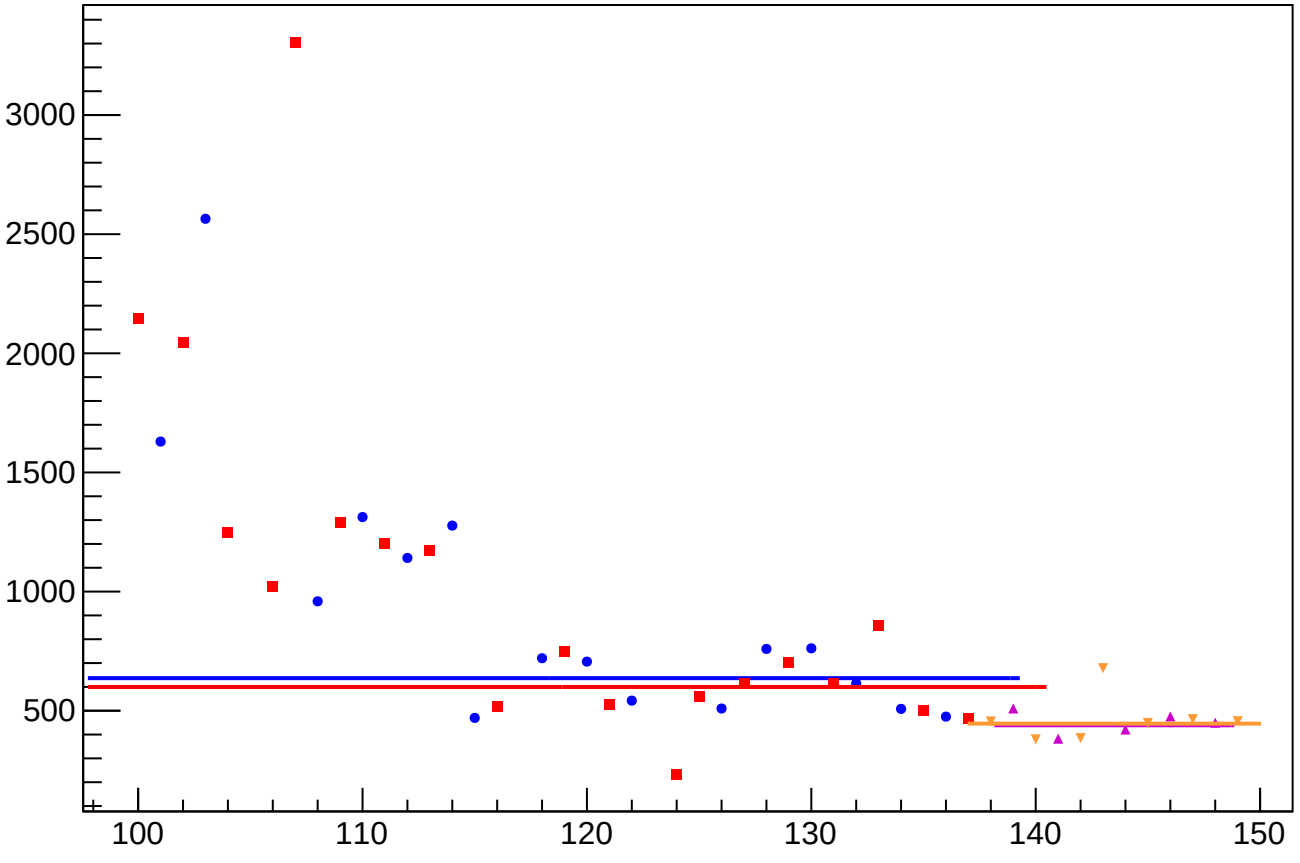
Left In: 45.409+/-211.800 χ^2/NDF:2.4/4

+ sign 368.085+/-156.318 χ^2/NDF: 36.0/22

All: 289.169+/-112.608 χ^2/NDF: 52.0/46

- 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: 445.939+/-0.139 χ^2/NDF:266460.2/6

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

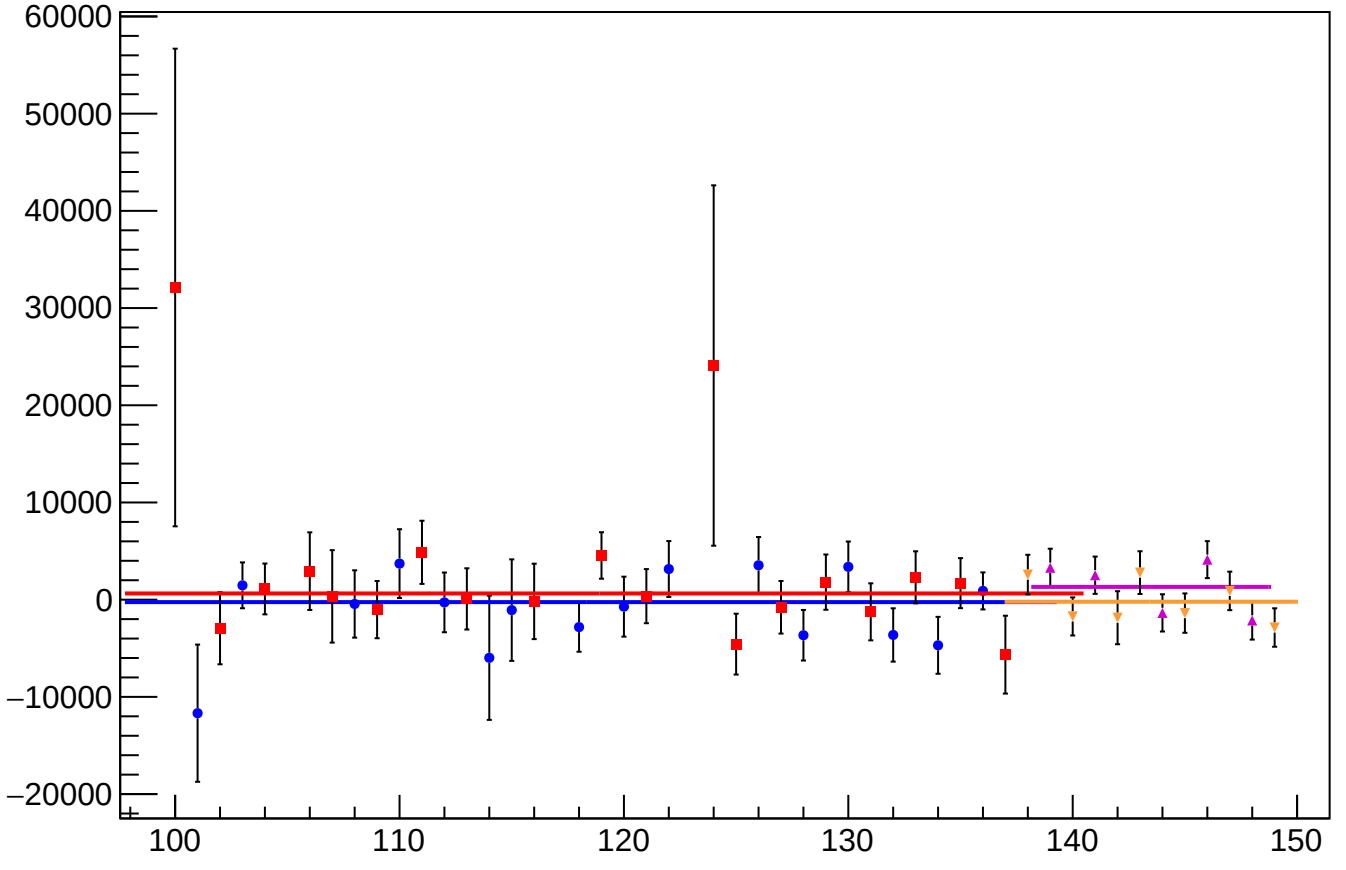
Left In: 438.906+/-0.150 χ^2/NDF:84925.9/4

+ sign 515.656+/-0.111 χ^2/NDF: 3024054.9/22

All: 510.620+/-0.080 χ^2/NDF: 6532353.0/46

- 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: -211.903+/-791.291 χ^2/NDF:7.1/6

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

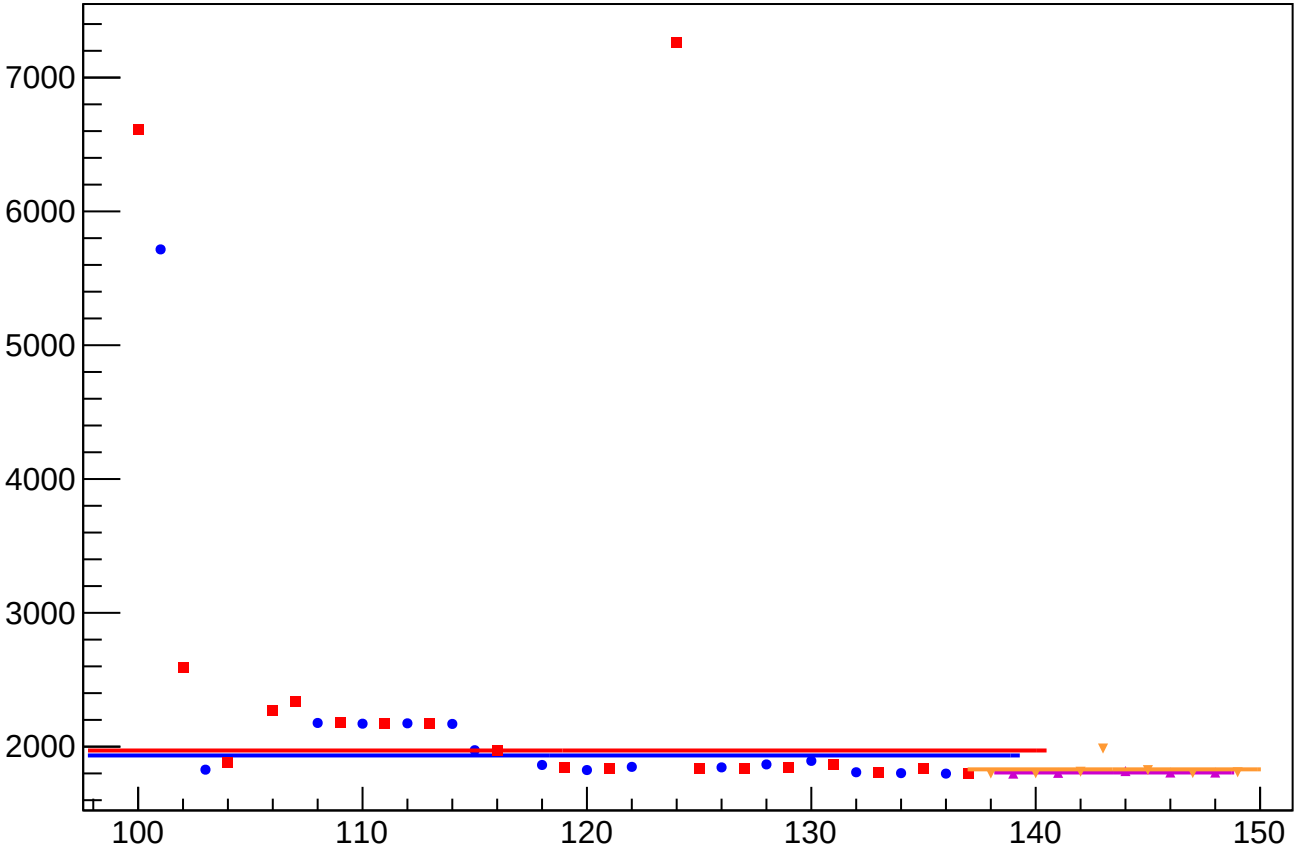
Left In: 1314.531+/-863.852 χ^2/NDF:8.6/4

+ sign -232.613+/-538.569 χ^2/NDF: 24.4/22

All: 322.863+/-388.340 χ^2/NDF: 51.5/46

- 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: 1830.466+/-0.560 χ^2/NDF:11699.1/6

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

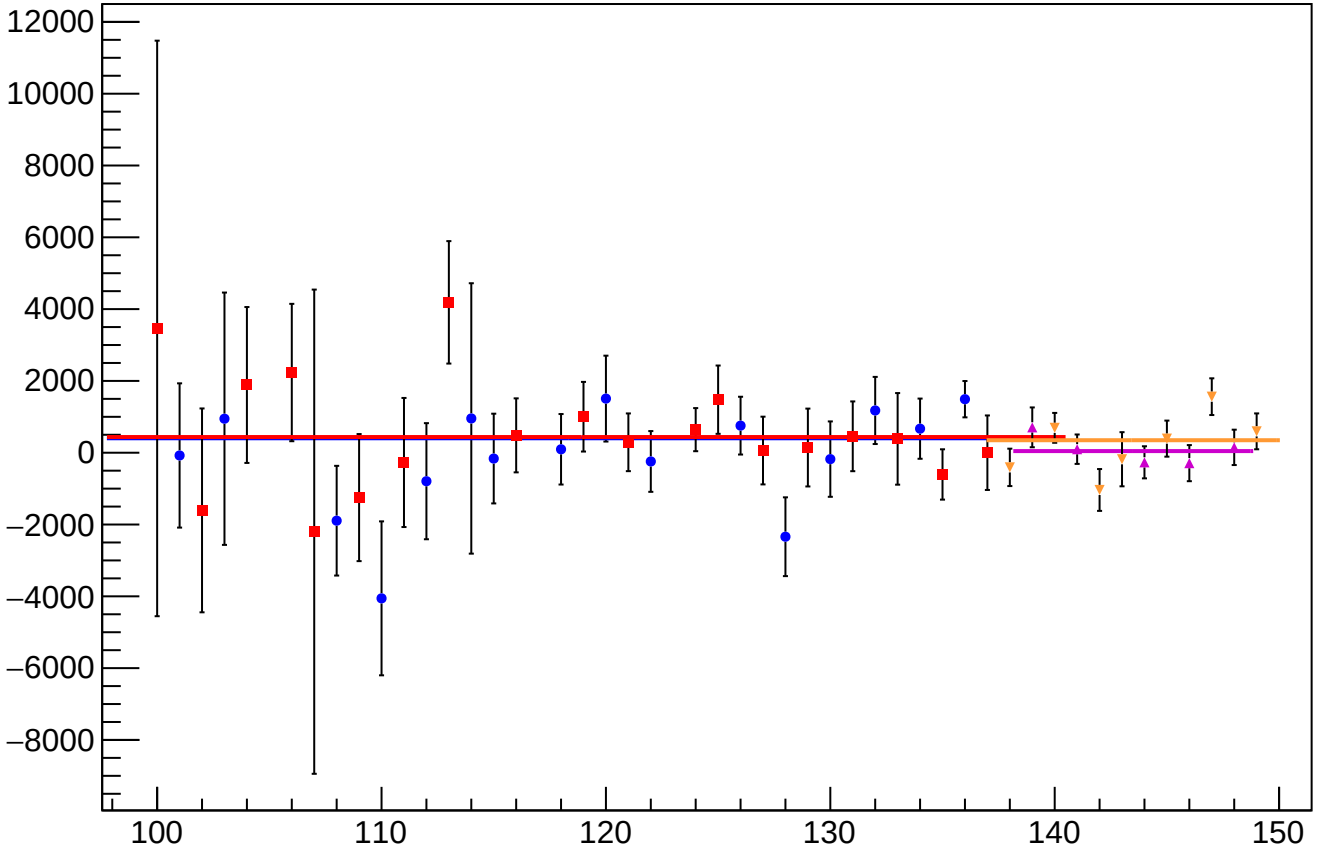
Left In: 1806.972+/-0.611 χ^2/NDF:102.3/4

+ sign 1886.155+/-0.381 χ^2/NDF: 670074.0/22

All: 1893.838+/-0.275 χ^2/NDF: 1096136.9/46

- 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: 348.120+/-196.241 χ^2/NDF:14.8/6

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

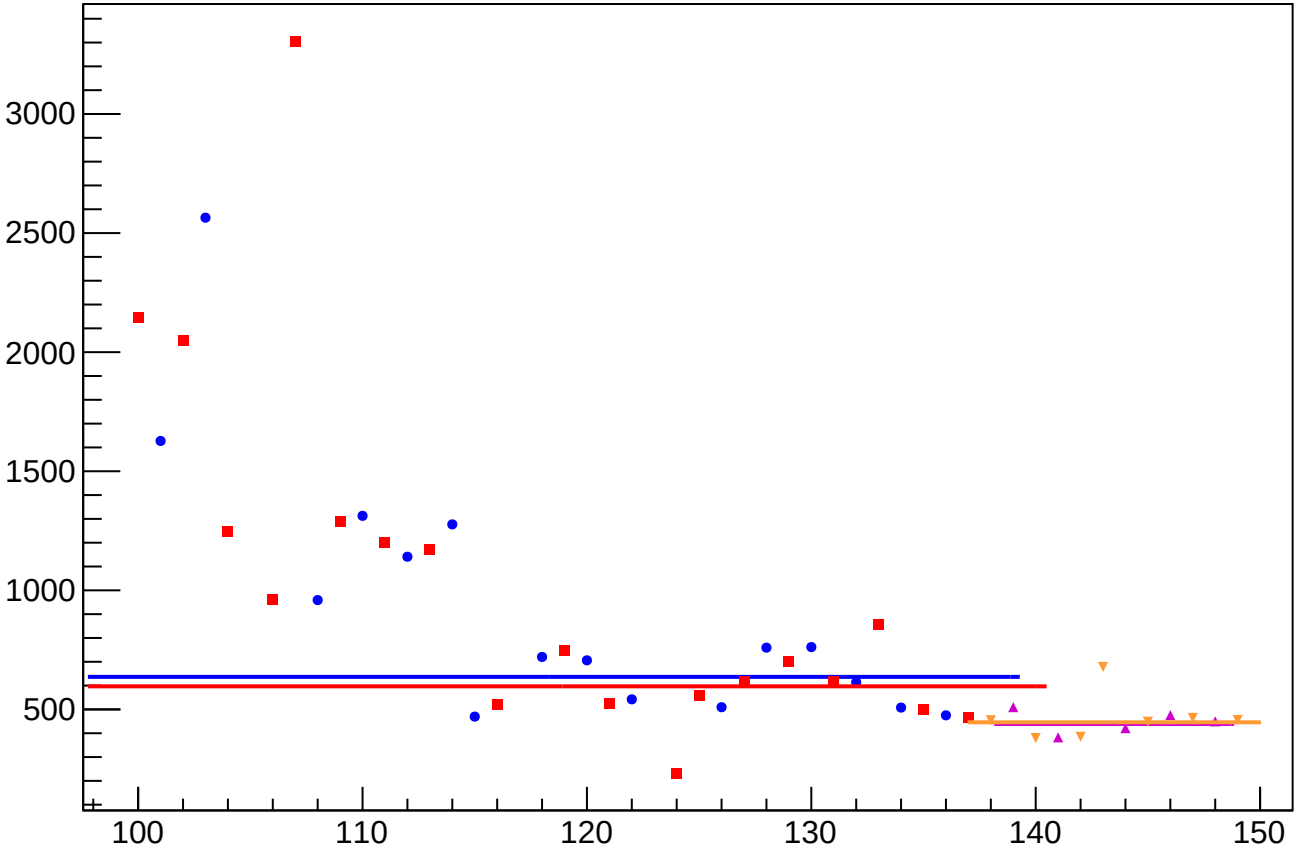
Left In: 45.475+/-211.795 χ^2/NDF:2.4/4

+ sign 368.069+/-156.317 χ^2/NDF: 36.0/22

All: 290.525+/-112.594 χ^2/NDF: 52.7/46

- 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: 445.947+/-0.139 χ^2/NDF:266418.9/6

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

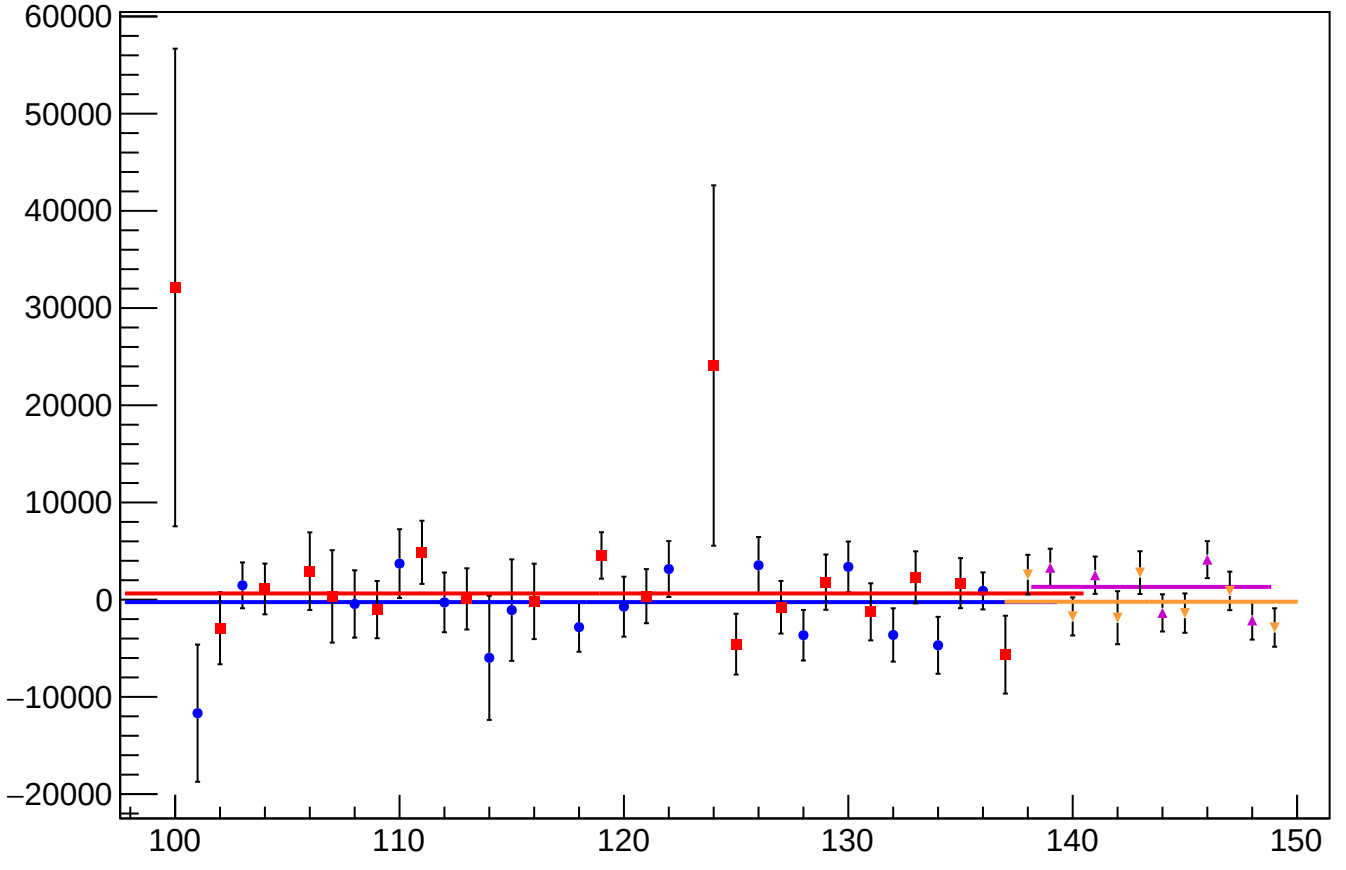
Left In: 438.897+/-0.150 χ^2/NDF:84924.5/4

+ sign 515.665+/-0.111 χ^2/NDF: 3023101.8/22

All: 510.093+/-0.080 χ^2/NDF: 6502865.9/46

- 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: -211.903+/-791.291 χ^2/NDF:7.1/6

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

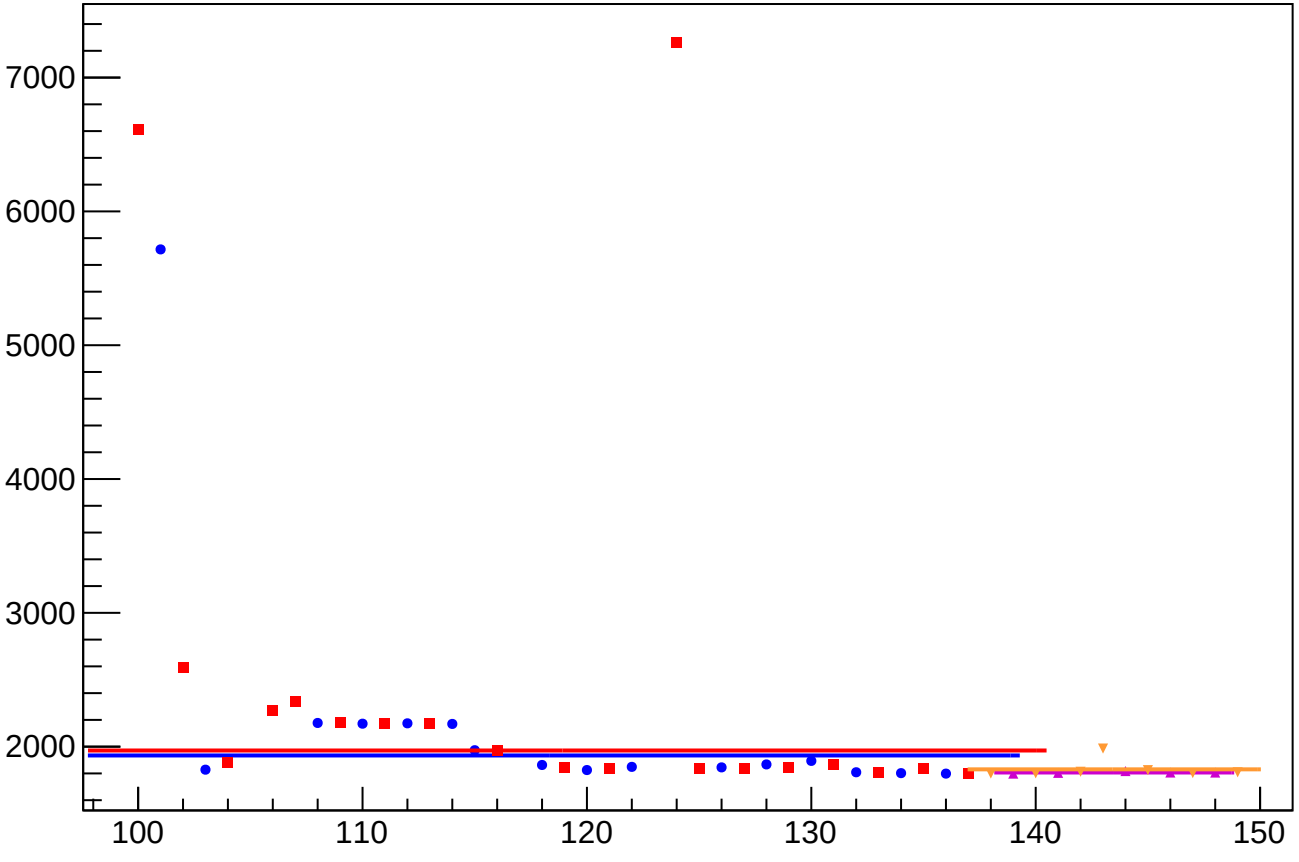
Left In: 1314.531+/-863.852 χ^2/NDF:8.6/4

+ sign -232.613+/-538.569 χ^2/NDF: 24.4/22

All: 322.863+/-388.340 χ^2/NDF: 51.5/46

- 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: 1830.466+/-0.560 χ^2/NDF:11699.1/6

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

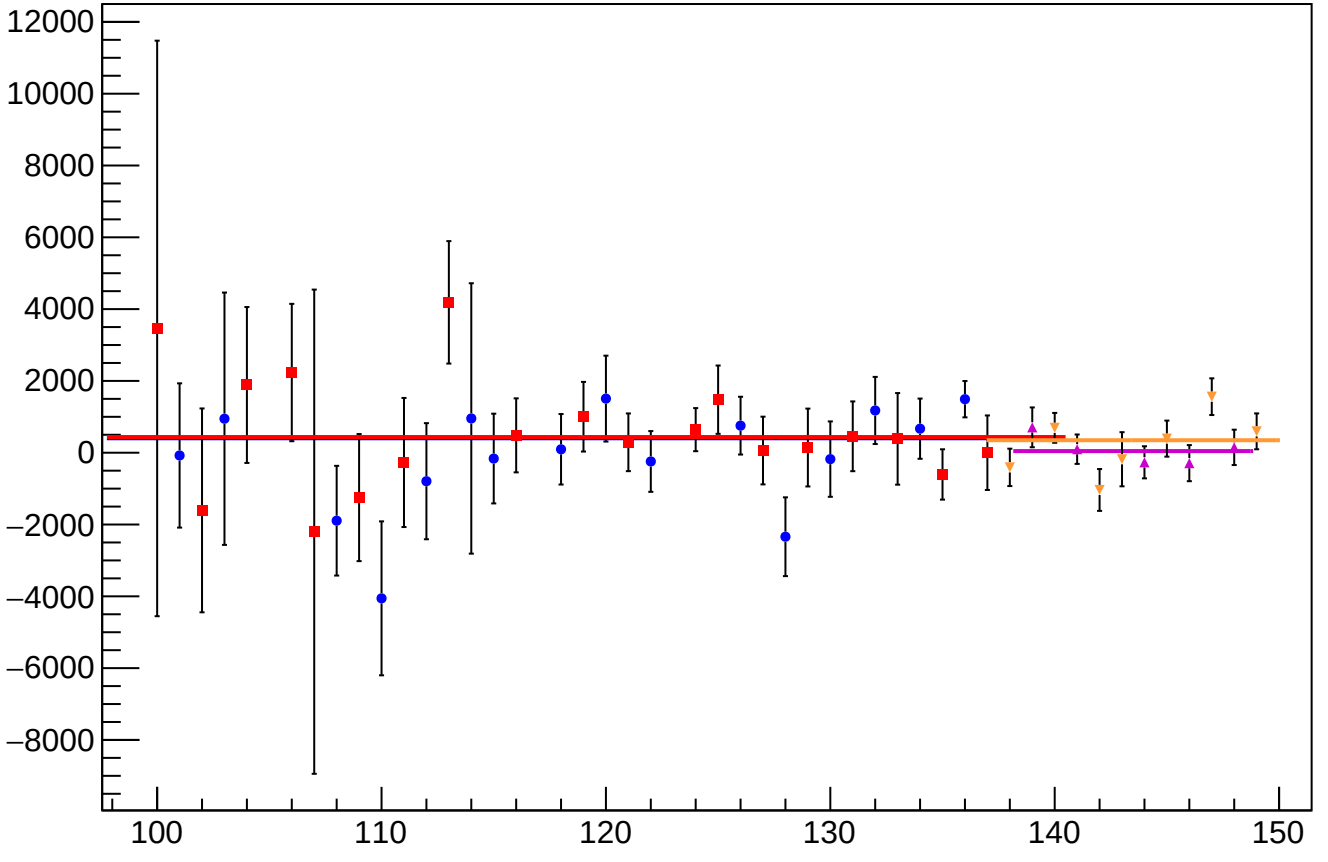
Left In: 1806.972+/-0.611 χ^2/NDF:102.3/4

+ sign 1886.155+/-0.381 χ^2/NDF: 670074.0/22

All: 1893.838+/-0.275 χ^2/NDF: 1096136.9/46

- 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: 348.120+/-196.241 χ^2/NDF:14.8/6

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

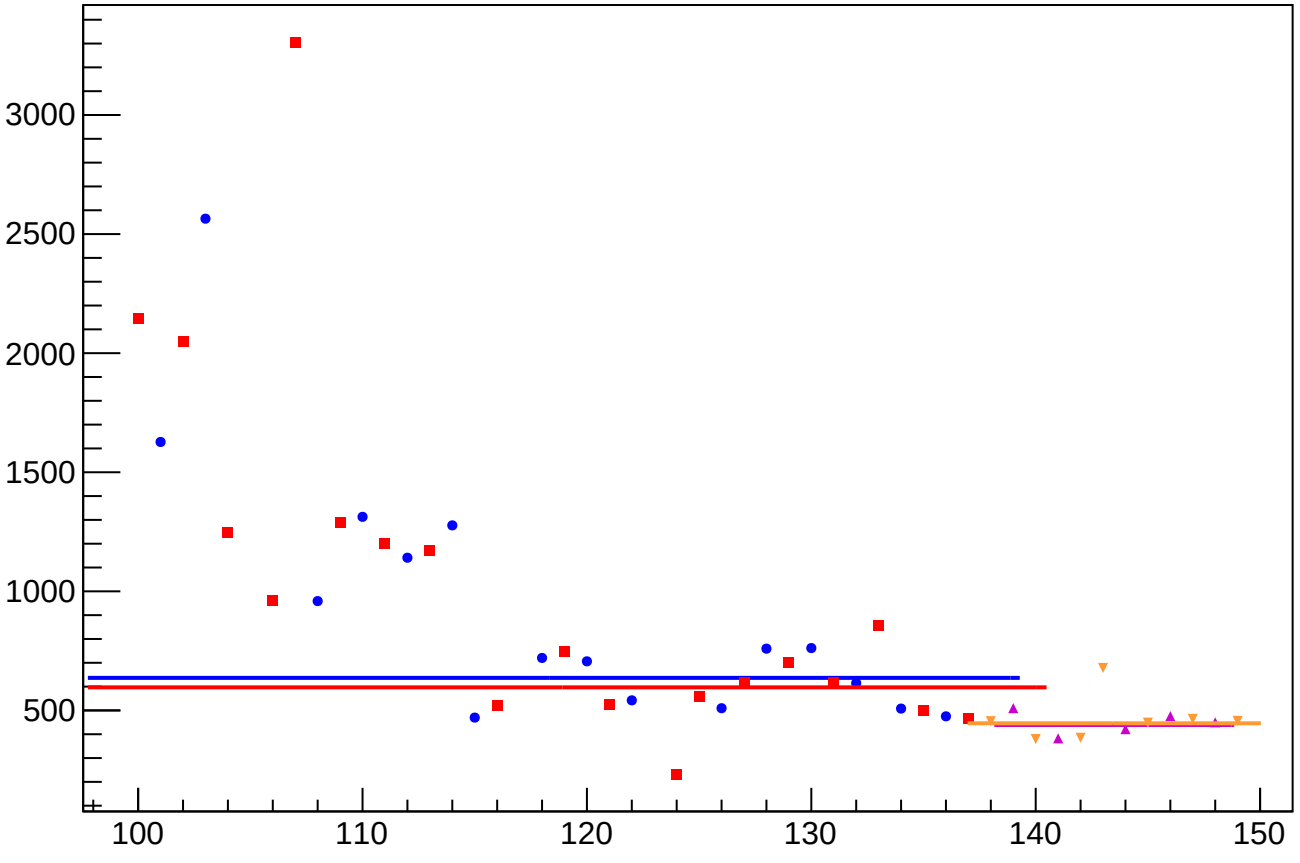
Left In: 45.475+/-211.795 χ^2/NDF:2.4/4

+ sign 368.069+/-156.317 χ^2/NDF: 36.0/22

All: 290.525+/-112.594 χ^2/NDF: 52.7/46

- 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: 445.947+/-0.139 χ^2/NDF:266418.9/6

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

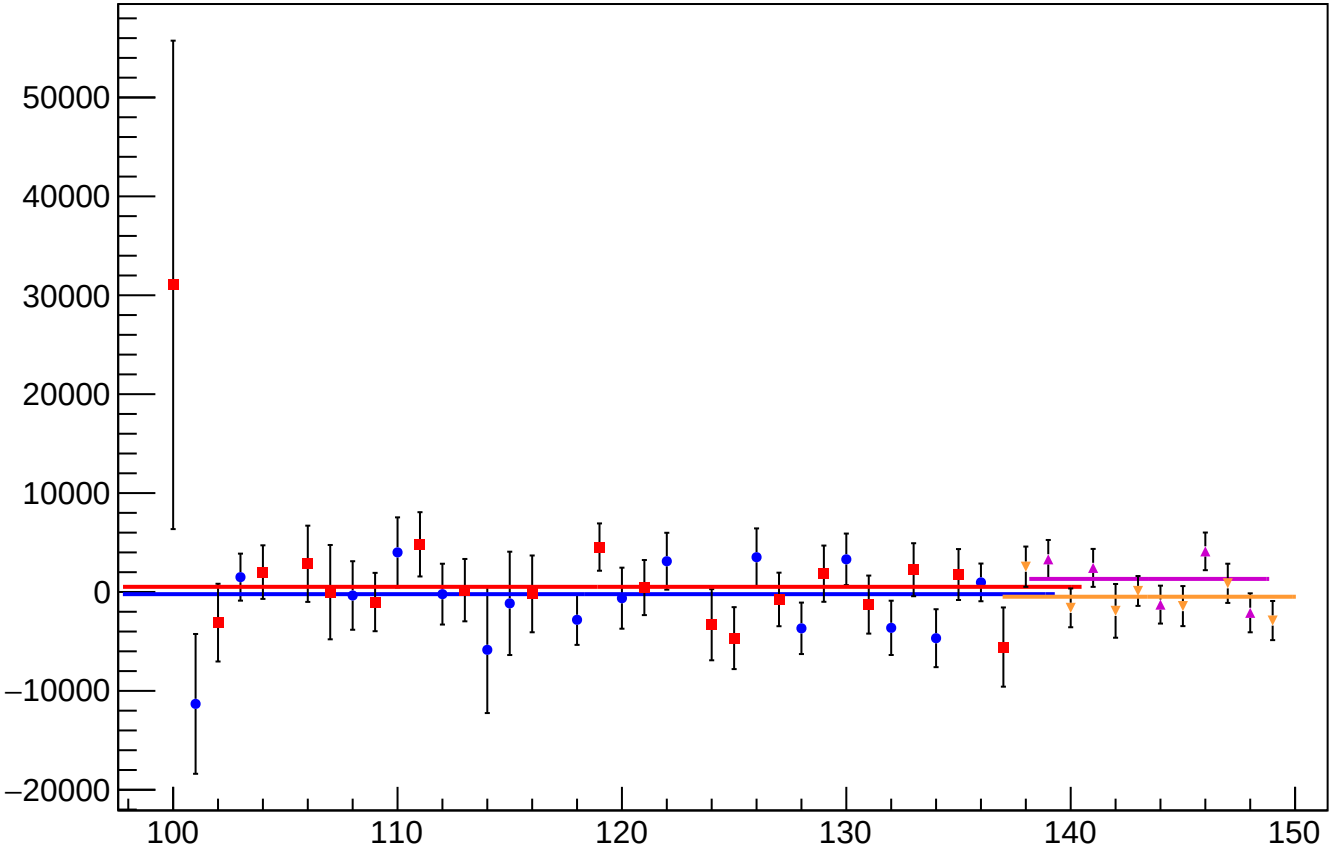
Left In: 438.897+/-0.150 χ^2/NDF:84924.5/4

+ sign 515.665+/-0.111 χ^2/NDF: 3023101.8/22

All: 510.093+/-0.080 χ^2/NDF: 6502865.9/46

- 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: -480.499+/-739.422 χ^2/NDF:5.1/6

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

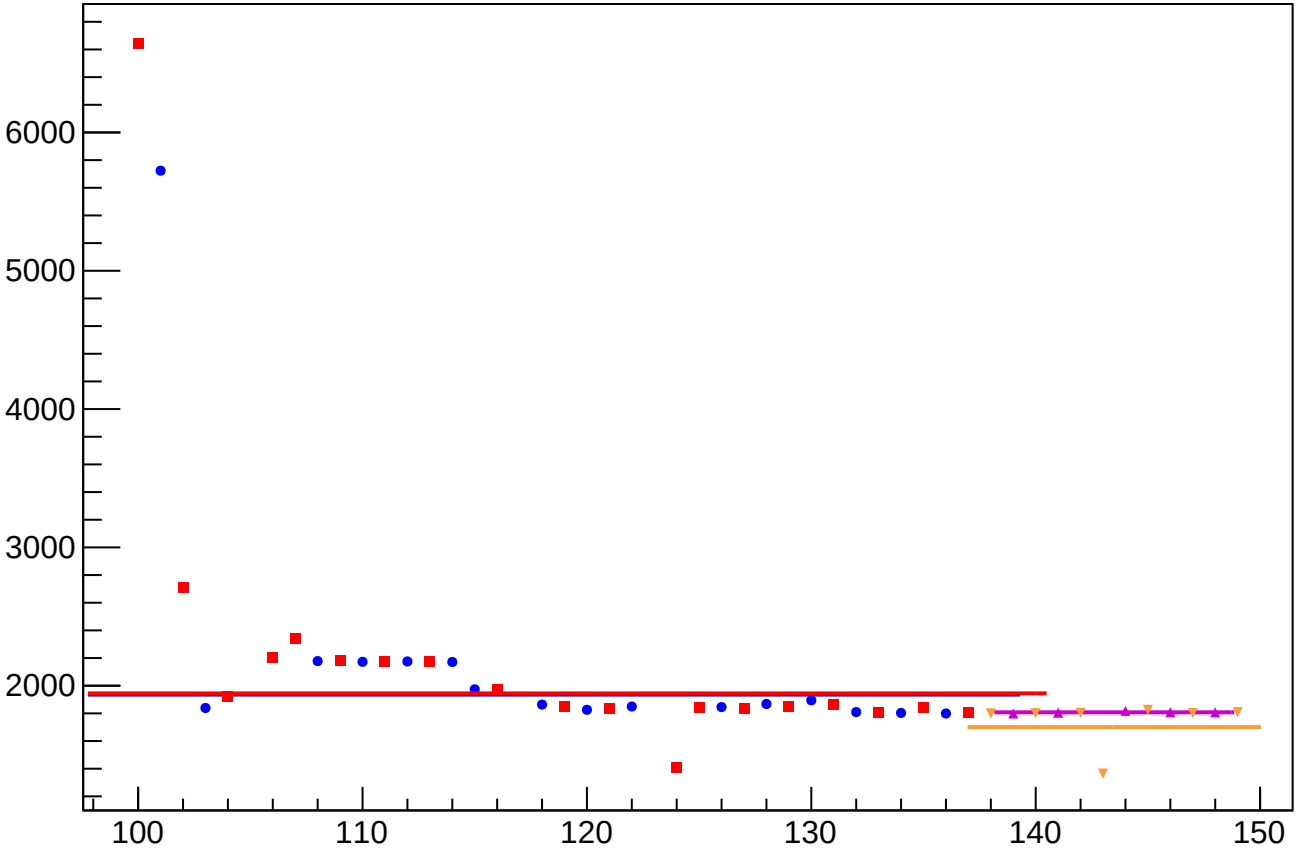
Left In: 1320.819+/-864.161 χ^2/NDF:8.4/4

+ sign -349.823+/-521.597 χ^2/NDF: 22.3/22

All: 212.906+/-380.217 χ^2/NDF: 49.3/46

- 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: 1700.835+/-0.523 χ^2/NDF:130963.6/6

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

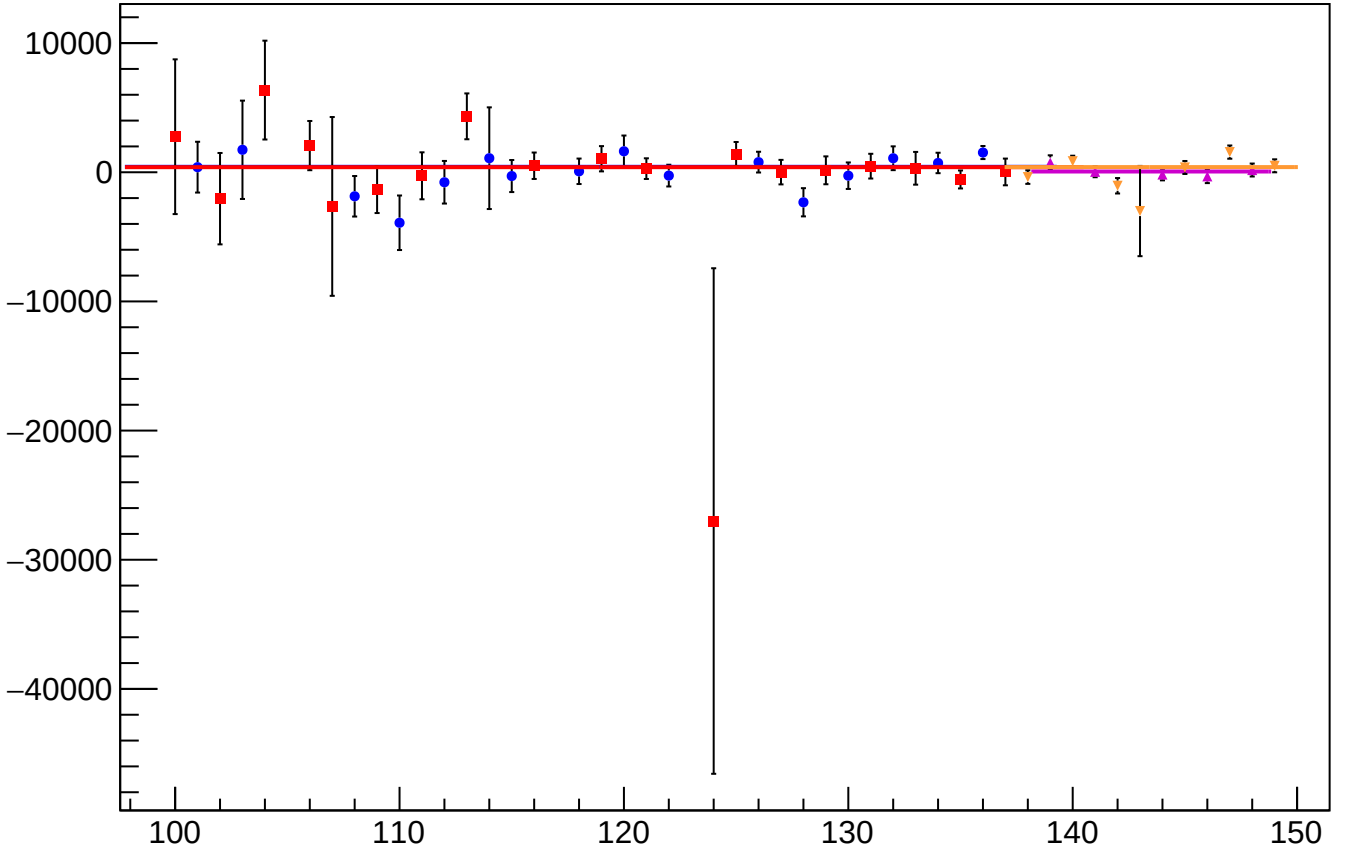
Left In: 1807.618+/-0.611 χ^2/NDF:102.6/4

+ sign 1818.968+/-0.369 χ^2/NDF: 872382.7/22

All: 1851.297+/-0.269 χ^2/NDF: 1194553.2/46

- 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: 399.415+/-205.475 χ^2/NDF:15.3/6

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

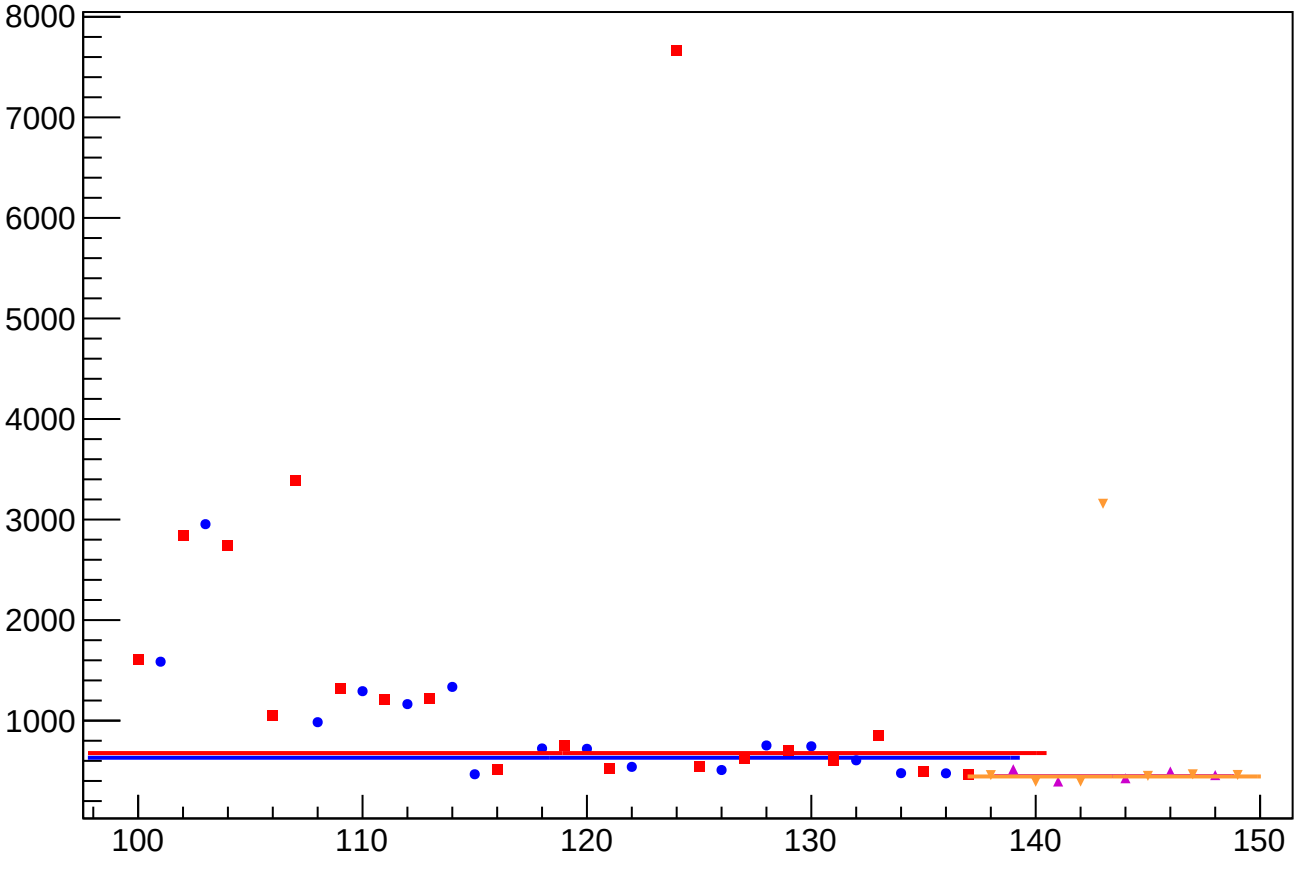
Left In: 58.616+/-216.562 χ^2/NDF:2.4/4

+ sign 407.899+/-160.426 χ^2/NDF: 36.8/22

All: 303.331+/-117.063 χ^2/NDF: 56.8/46

- 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: 444.713+/-0.145 χ^2/NDF:1256314.2/6

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

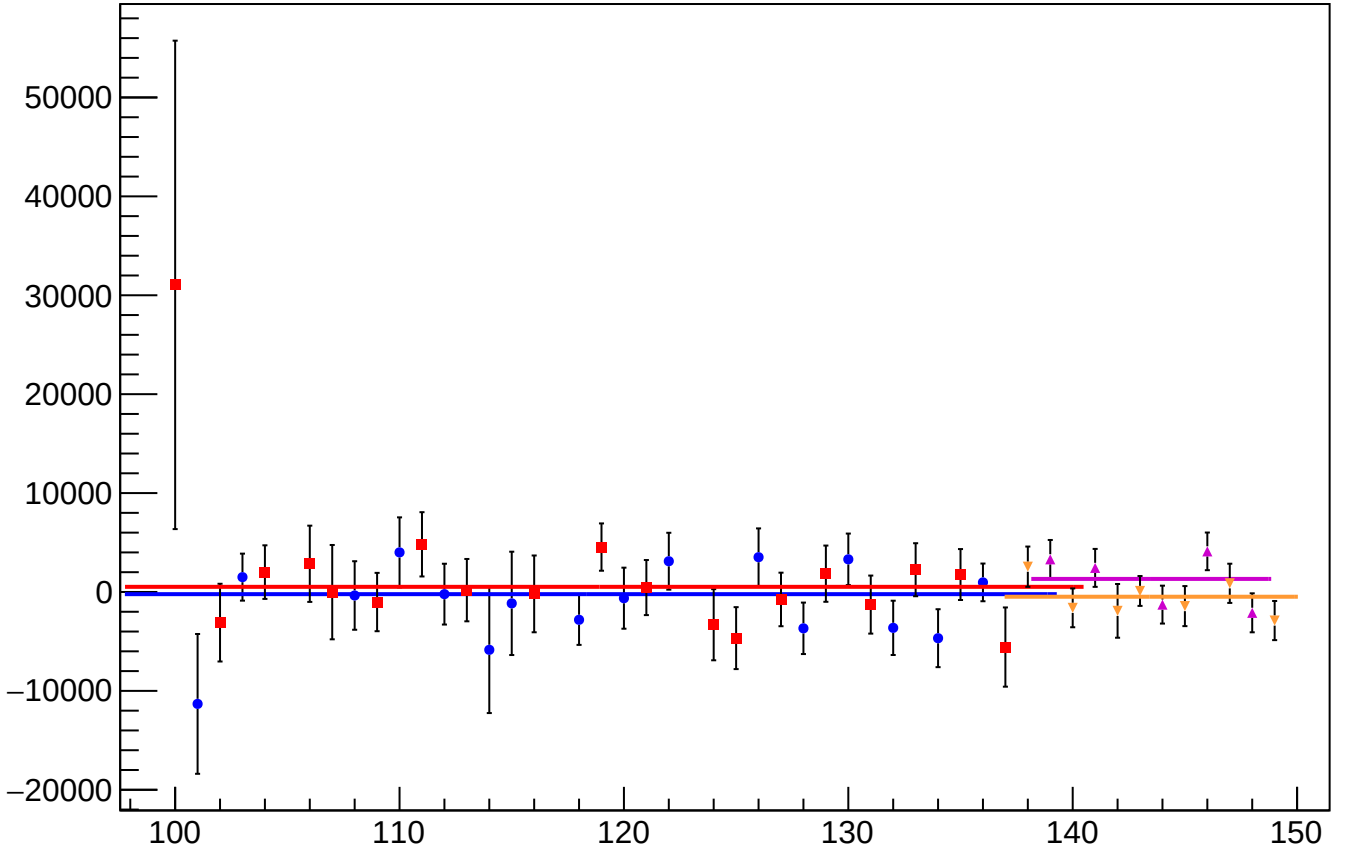
Left In: 449.362+/-0.153 χ^2/NDF:82527.4/4

+ sign 517.497+/-0.113 χ^2/NDF: 4133570.4/22

All: 525.633+/-0.083 χ^2/NDF: 8140599.8/46

- 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: -480.500+/-739.422 χ^2/NDF:5.1/6

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

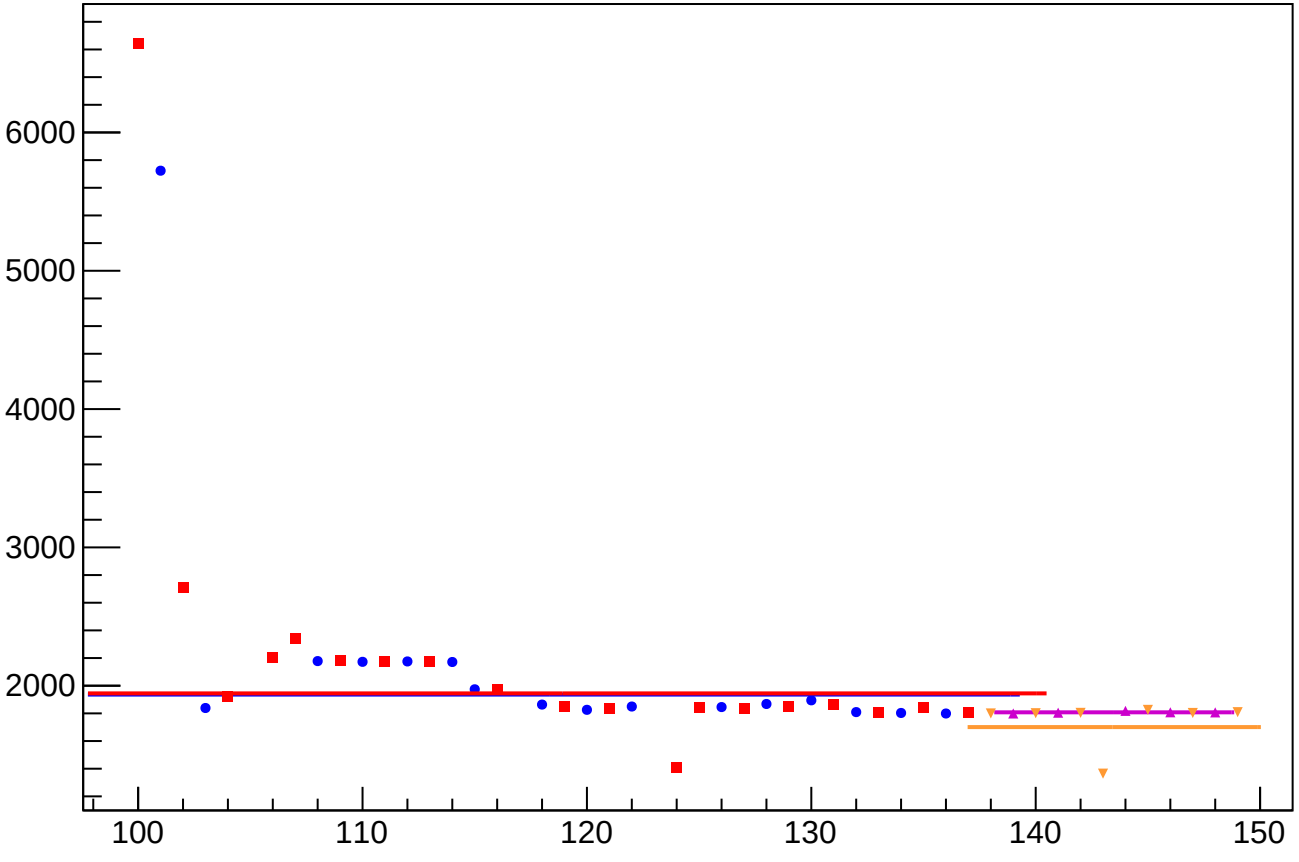
Left In: 1320.820+/-864.161 χ^2/NDF:8.4/4

+ sign -349.824+/-521.597 χ^2/NDF: 22.3/22

All: 212.906+/-380.217 χ^2/NDF: 49.3/46

- 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: 1700.835+/-0.523 χ^2/NDF:130963.6/6

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

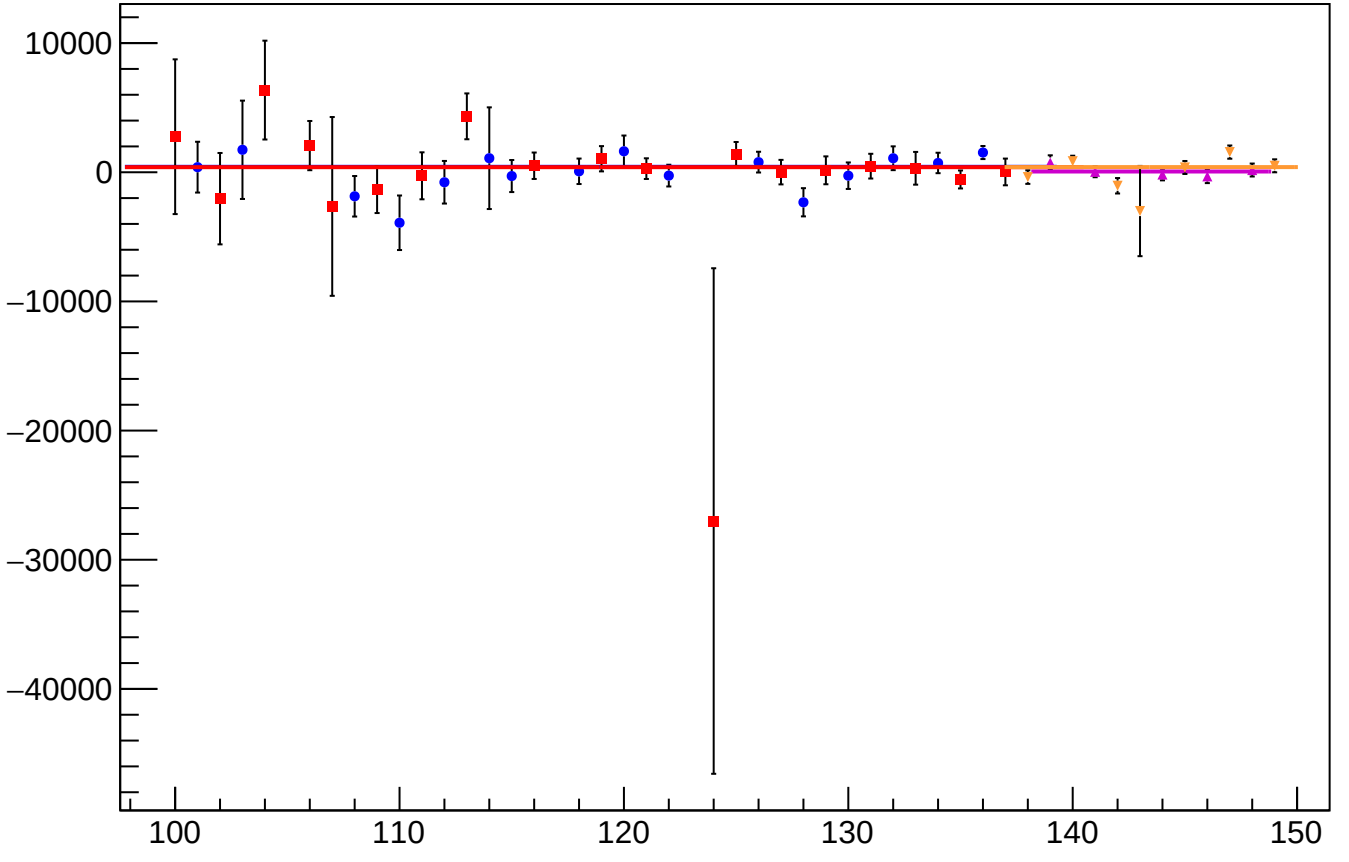
Left In: 1807.618+/-0.611 χ^2/NDF:102.6/4

+ sign 1818.968+/-0.369 χ^2/NDF: 872382.7/22

All: 1851.297+/-0.269 χ^2/NDF: 1194553.0/46

- 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: 399.416+/-205.474 χ^2/NDF:15.3/6

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

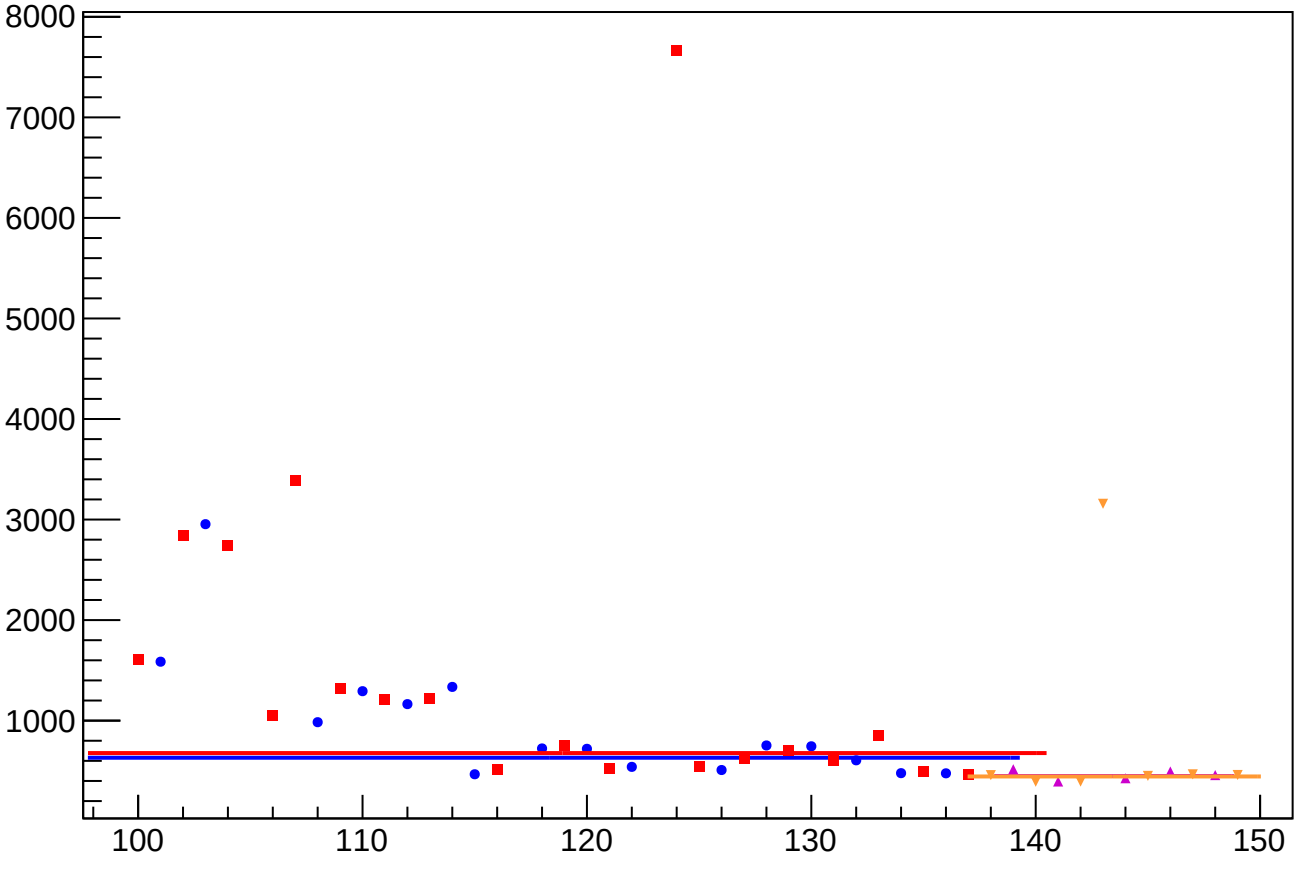
Left In: 58.617+/-216.562 χ^2/NDF:2.4/4

+ sign 407.899+/-160.426 χ^2/NDF: 36.8/22

All: 303.331+/-117.063 χ^2/NDF: 56.8/46

- 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: 444.712+/-0.145 χ^2/NDF:1256313.4/6

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

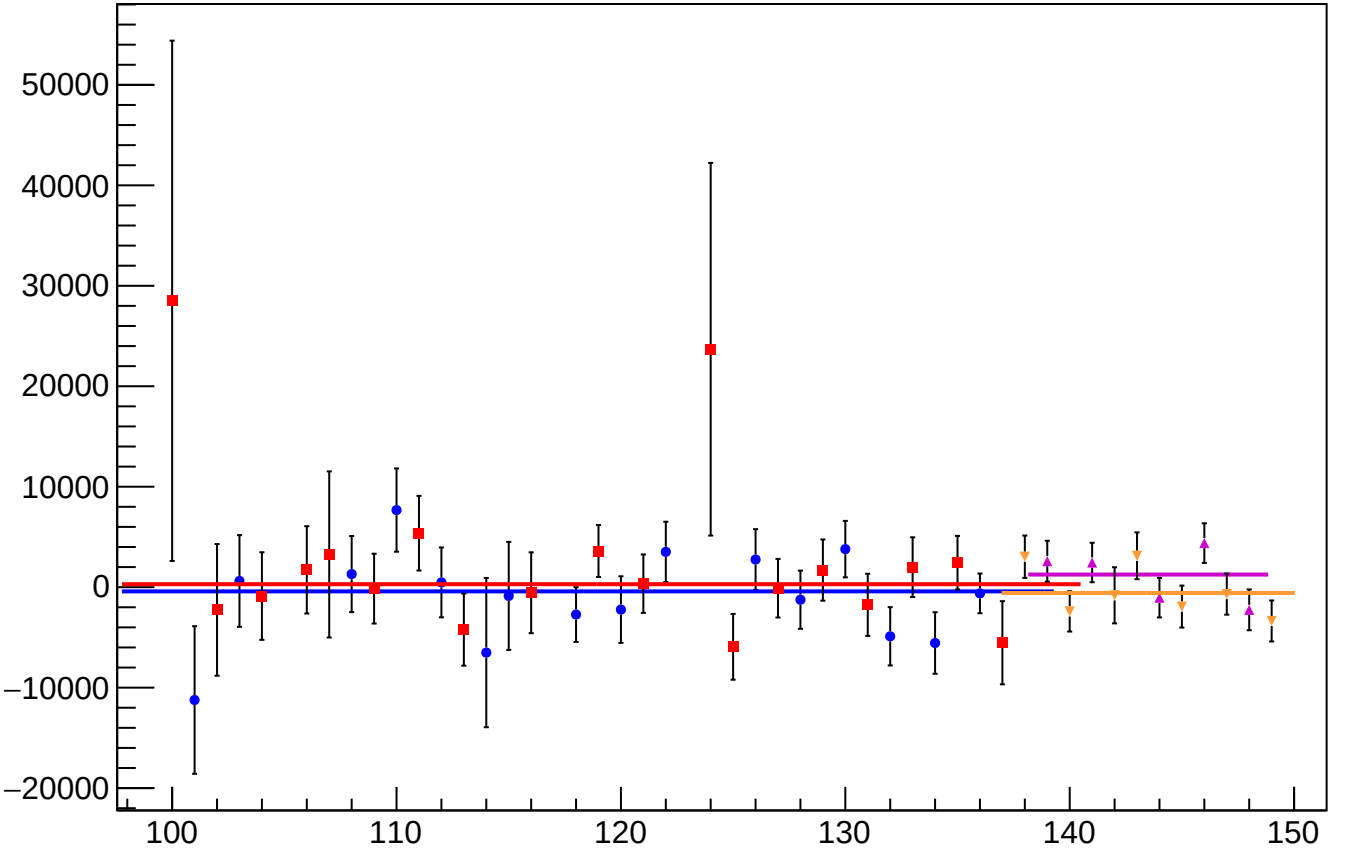
Left In: 449.362+/-0.153 χ^2/NDF:82527.9/4

+ sign 517.497+/-0.113 χ^2/NDF: 4133574.4/22

All: 525.632+/-0.083 χ^2/NDF: 8140608.2/46

- 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: -574.182+/-818.115 χ^2/NDF:8.6/6

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

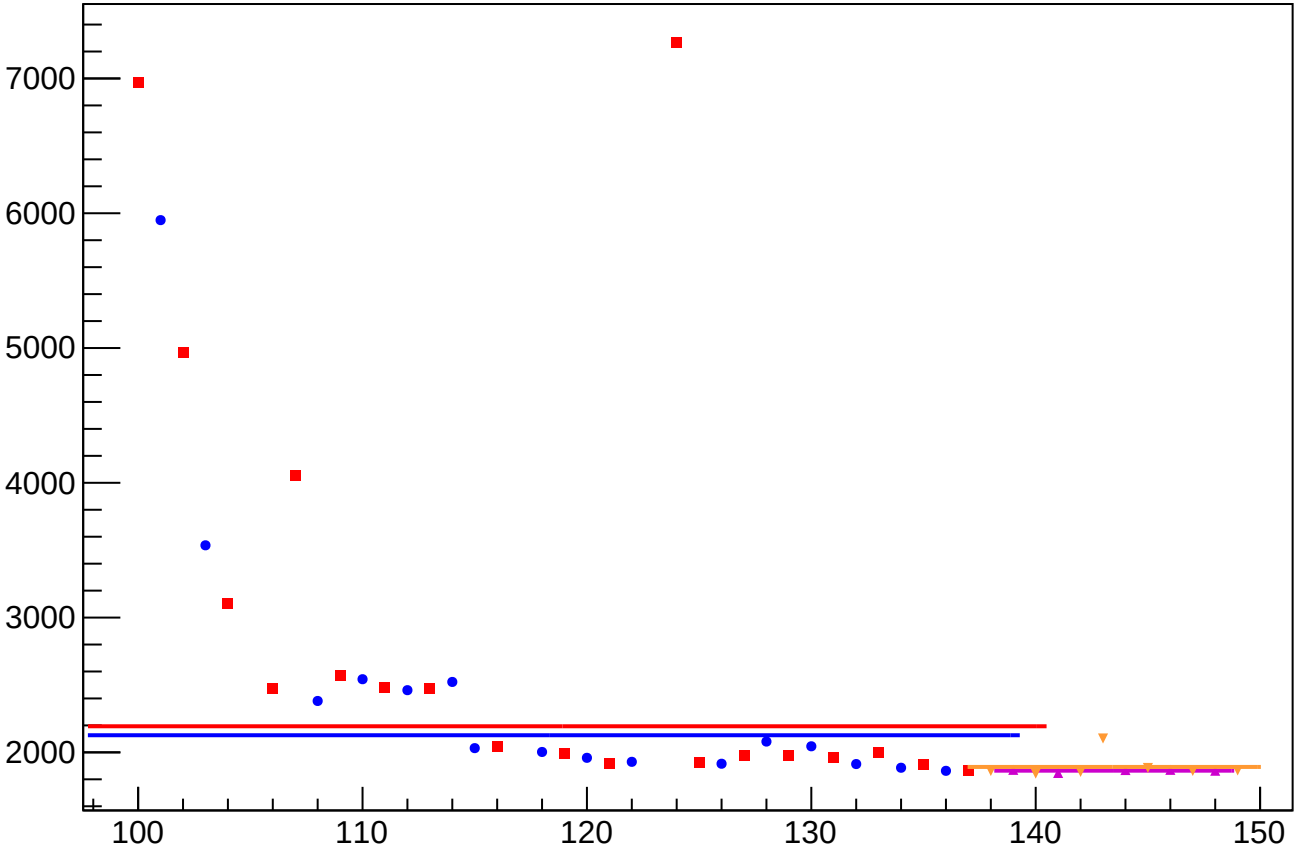
Left In: 1254.345+/-891.196 χ^2/NDF:7.7/4

+ sign -495.659+/-577.522 χ^2/NDF: 27.0/22

All: 91.019+/-418.734 χ^2/NDF: 53.1/46

- 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: 1891.823+/-0.578 χ^2/NDF:19187.4/6

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

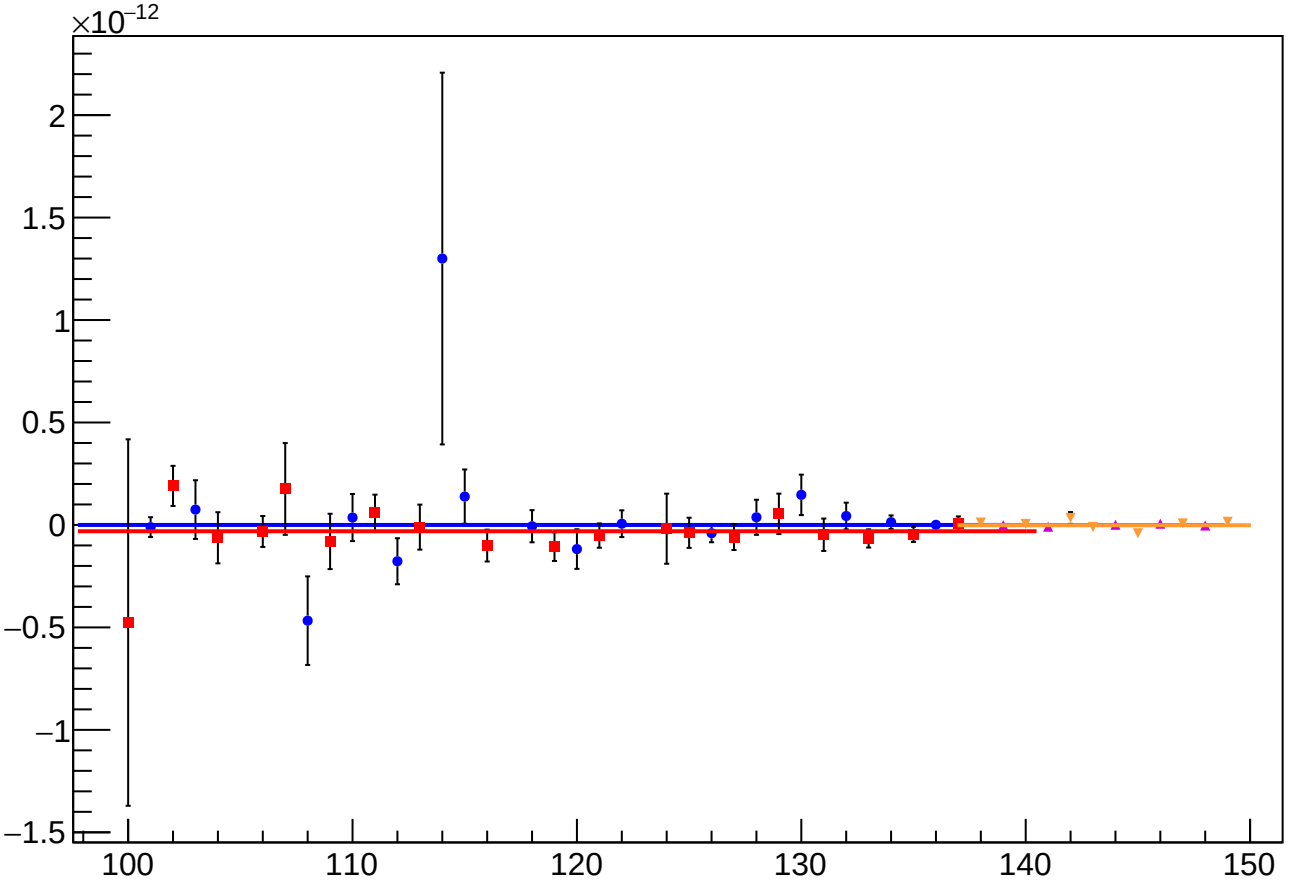
Left In: 1864.134+/-0.630 χ^2/NDF:199.5/4

+ sign 2009.828+/-0.408 χ^2/NDF: 977206.8/22

All: 2024.246+/-0.296 χ^2/NDF: 2068693.7/46

- sign 2040.228+/-0.430 χ^2/NDF: 1088858.5/23

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.4/6

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

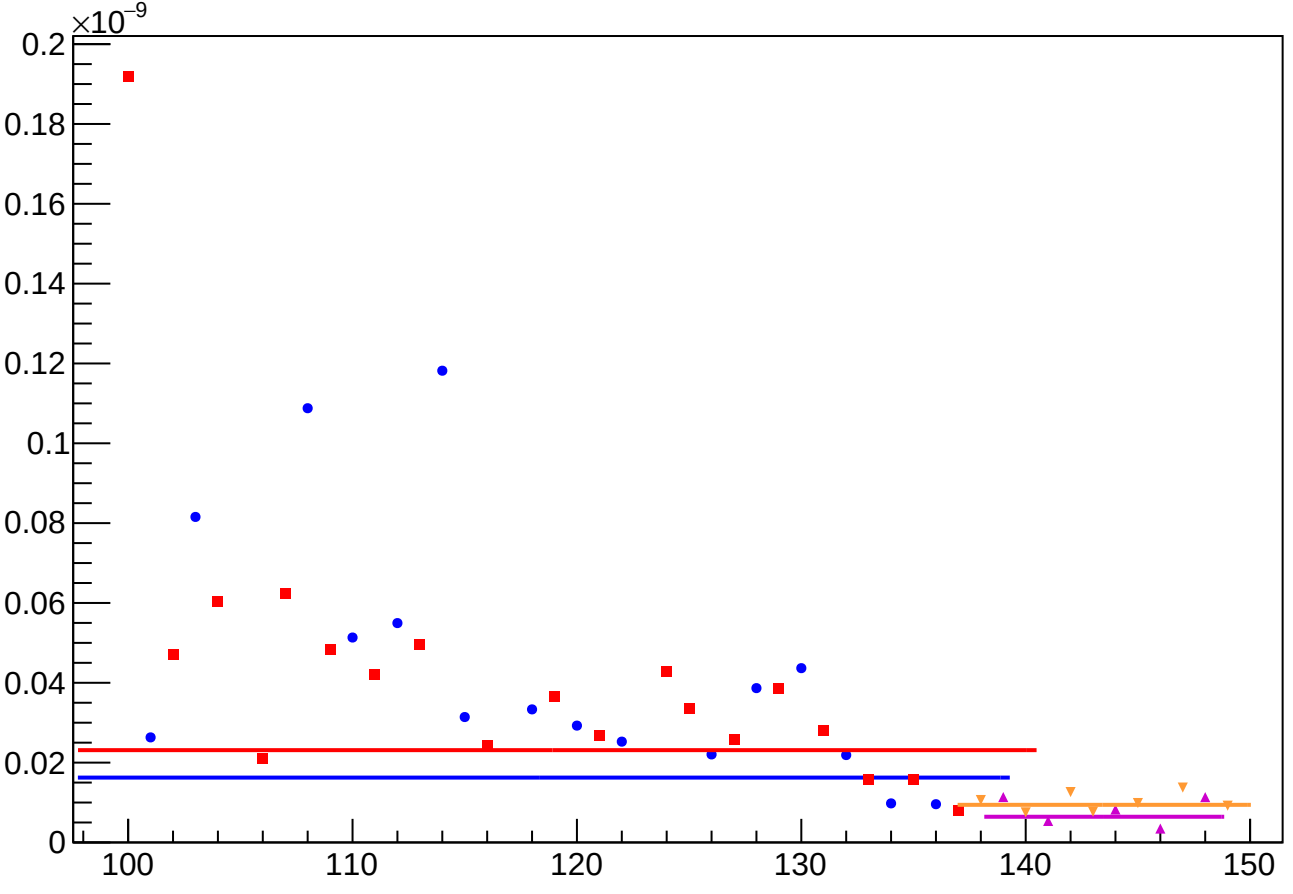
Left In: -0.000+/-0.000 χ^2/NDF:1.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/22

All: -0.000+/-0.000 χ^2/NDF: 42.3/46

- 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:162038.2/6

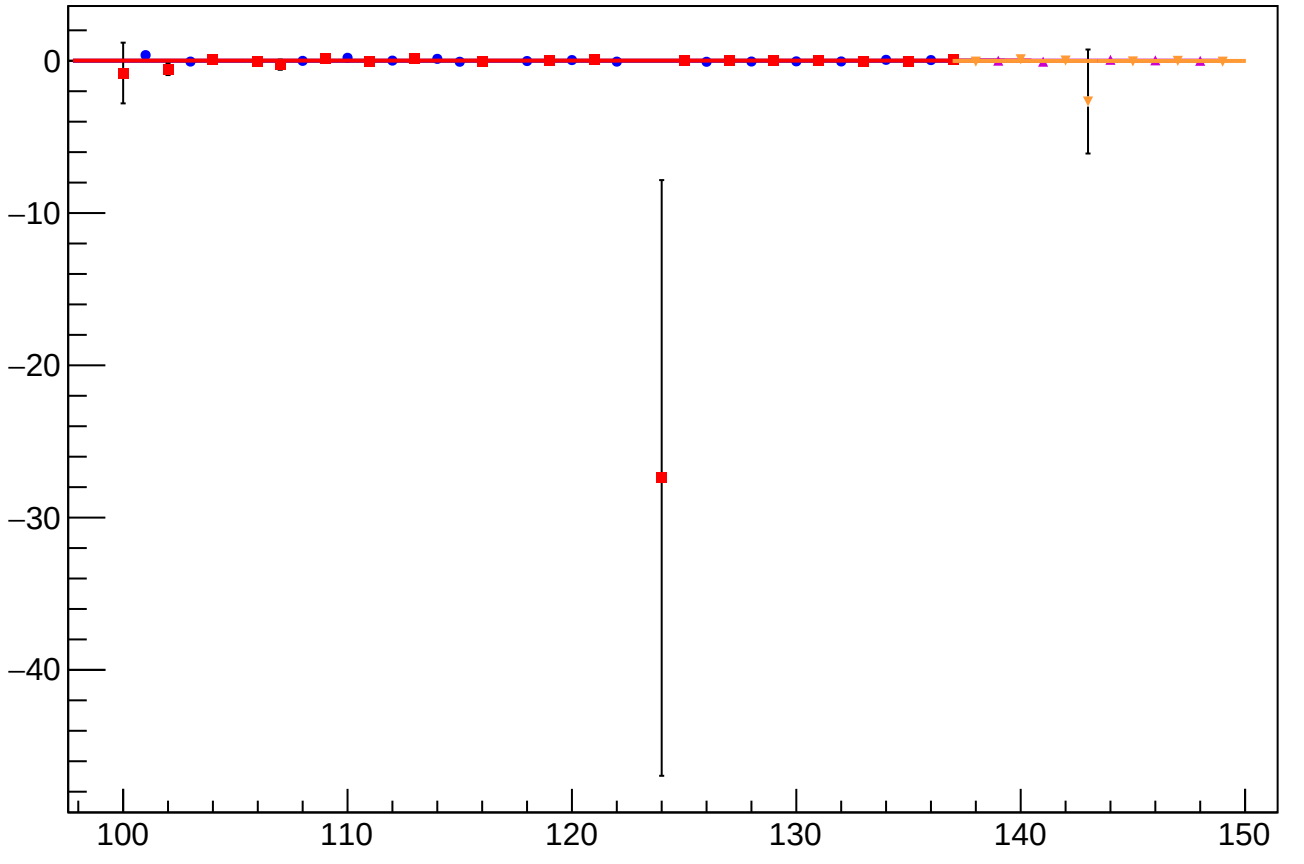
Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:506090.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 2950392.5/22

All: 0.000+/-0.000 χ^2/NDF: 7057959.3/46

- sign 0.000+/-0.000 χ^2/NDF: 3896411.9/23



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.011+/-0.017 χ^2/NDF:11.9/6

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

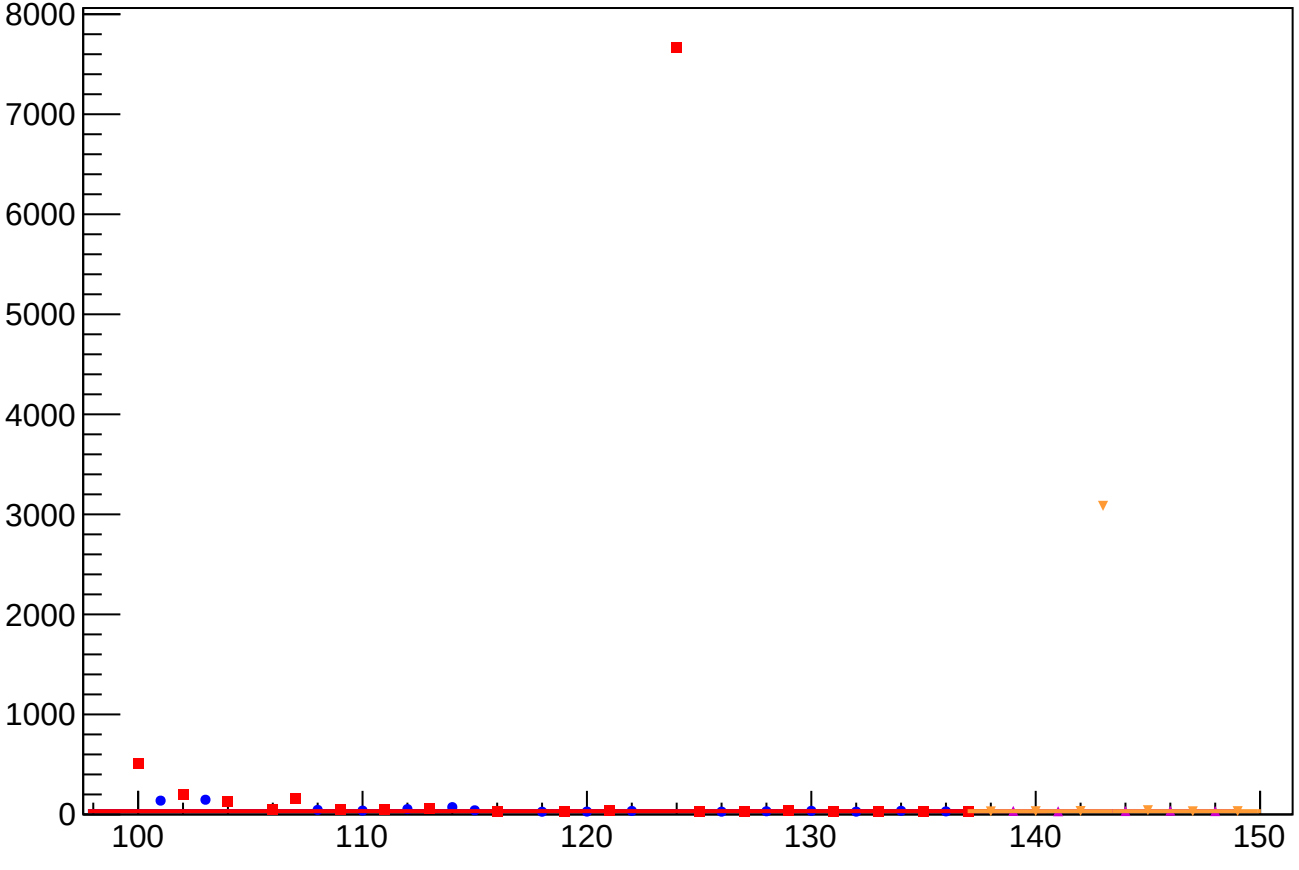
Left In: 0.006+/-0.018 χ^2/NDF:5.8/4

+ sign -0.004+/-0.011 χ^2/NDF: 33.2/22

All: 0.003+/-0.008 χ^2/NDF: 54.0/46

- 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: 32.982+/-0.012 χ^2/NDF:1685130.5/6

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

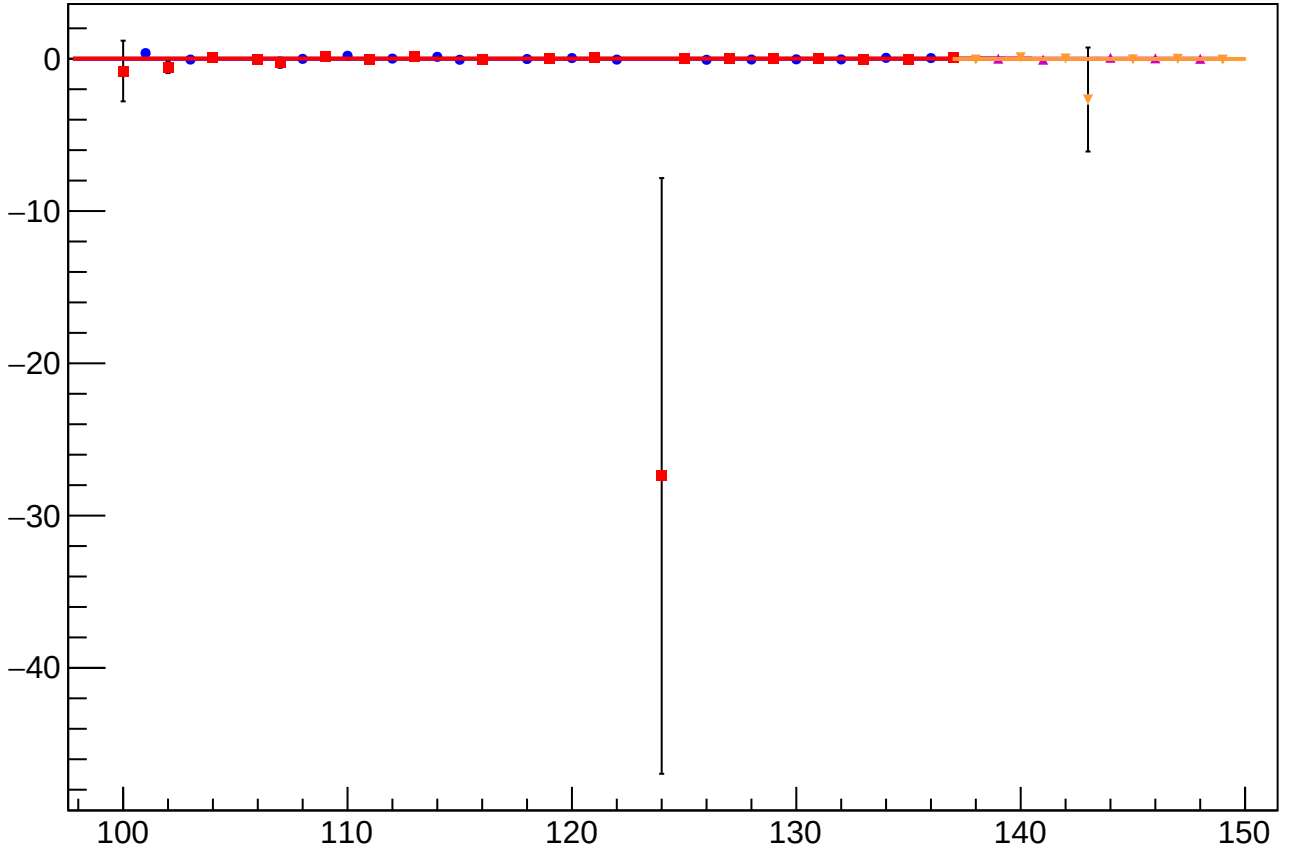
Left In: 34.543+/-0.013 χ^2/NDF:19573.3/4

+ sign 33.585+/-0.008 χ^2/NDF: 3407035.6/22

All: 33.632+/-0.006 χ^2/NDF: 5509726.2/46

- sign 33.683+/-0.008 χ^2/NDF: 2102615.0/23

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.011+/-0.017 χ^2/NDF:11.9/6

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

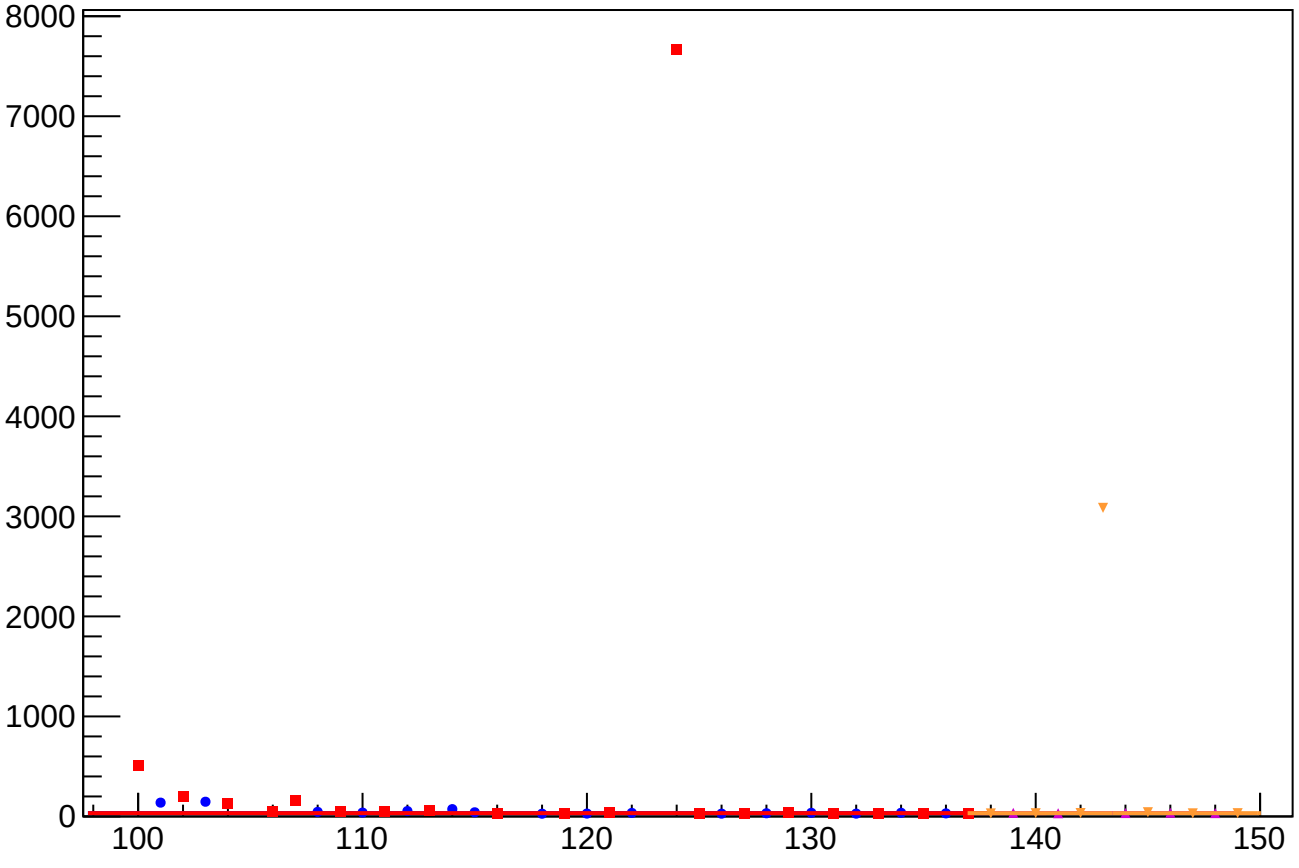
Left In: 0.006+/-0.018 χ^2/NDF:5.8/4

+ sign -0.004+/-0.011 χ^2/NDF: 33.2/22

All: 0.003+/-0.008 χ^2/NDF: 54.0/46

- 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: 32.982+/-0.012 χ^2/NDF:1685130.5/6

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

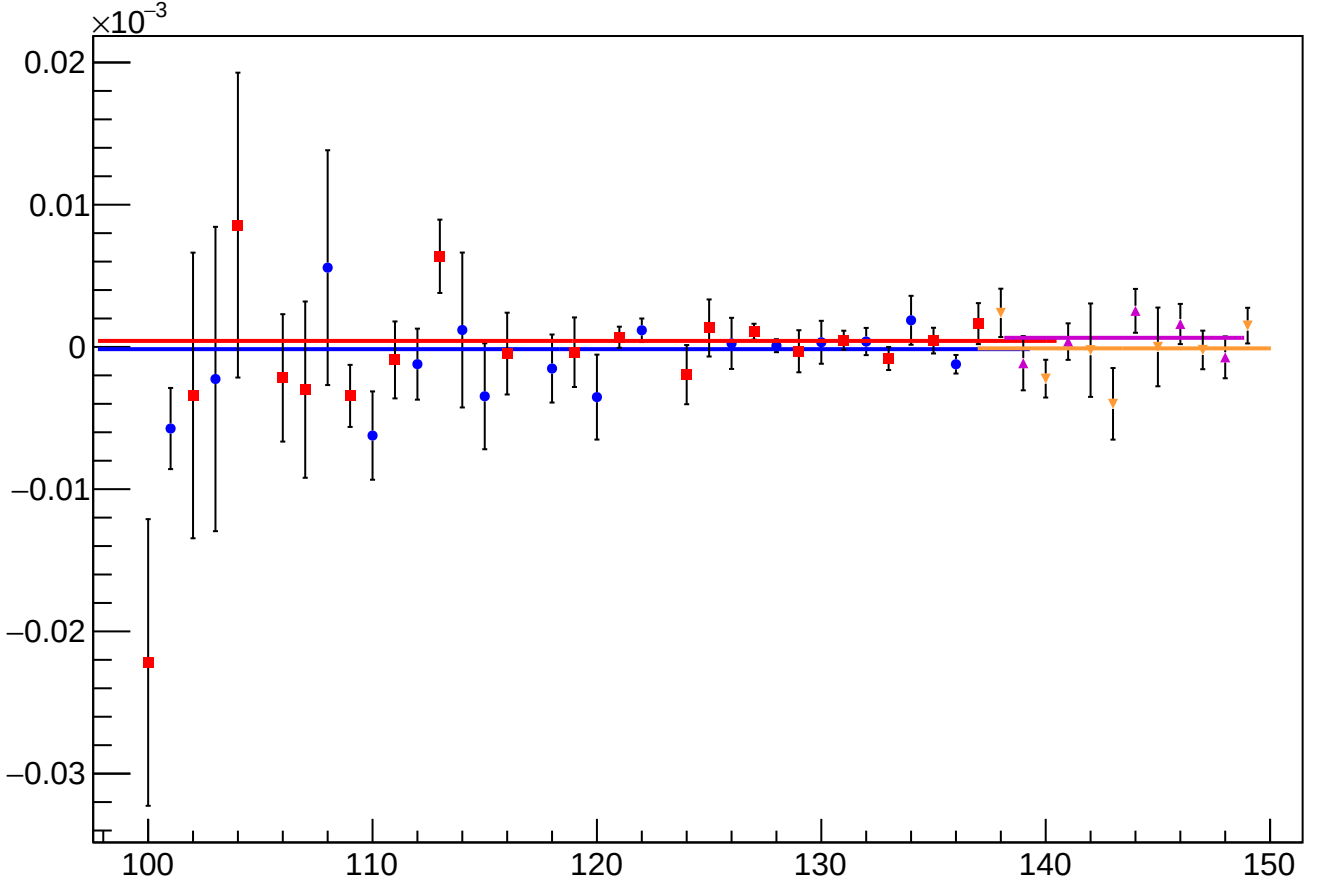
Left In: 34.543+/-0.013 χ^2/NDF:19573.3/4

+ sign 33.585+/-0.008 χ^2/NDF: 3407035.6/22

All: 33.632+/-0.006 χ^2/NDF: 5509726.2/46

- 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:8.8/6

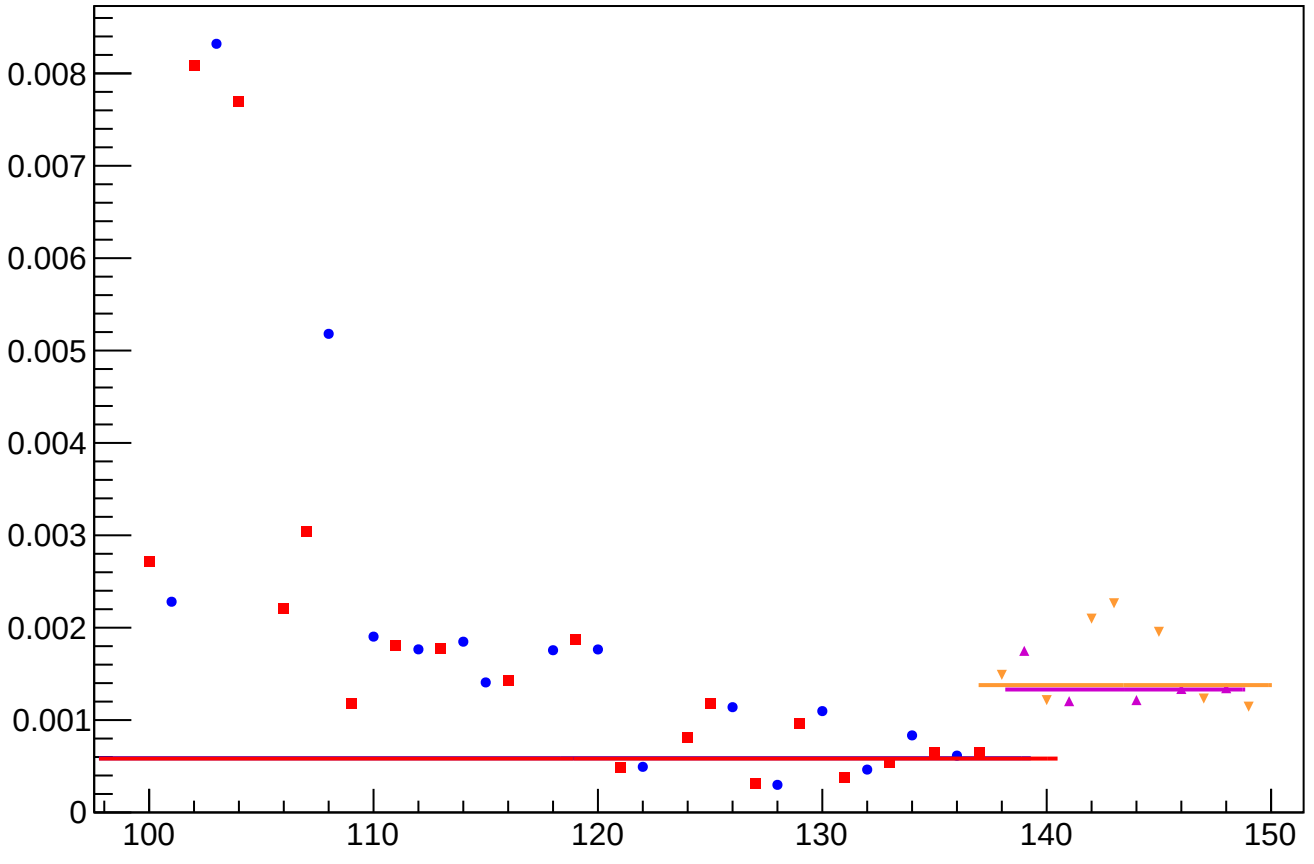
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/22

All: 0.000+/-0.000 χ^2/NDF: 55.0/46

- 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:561366.9/6

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

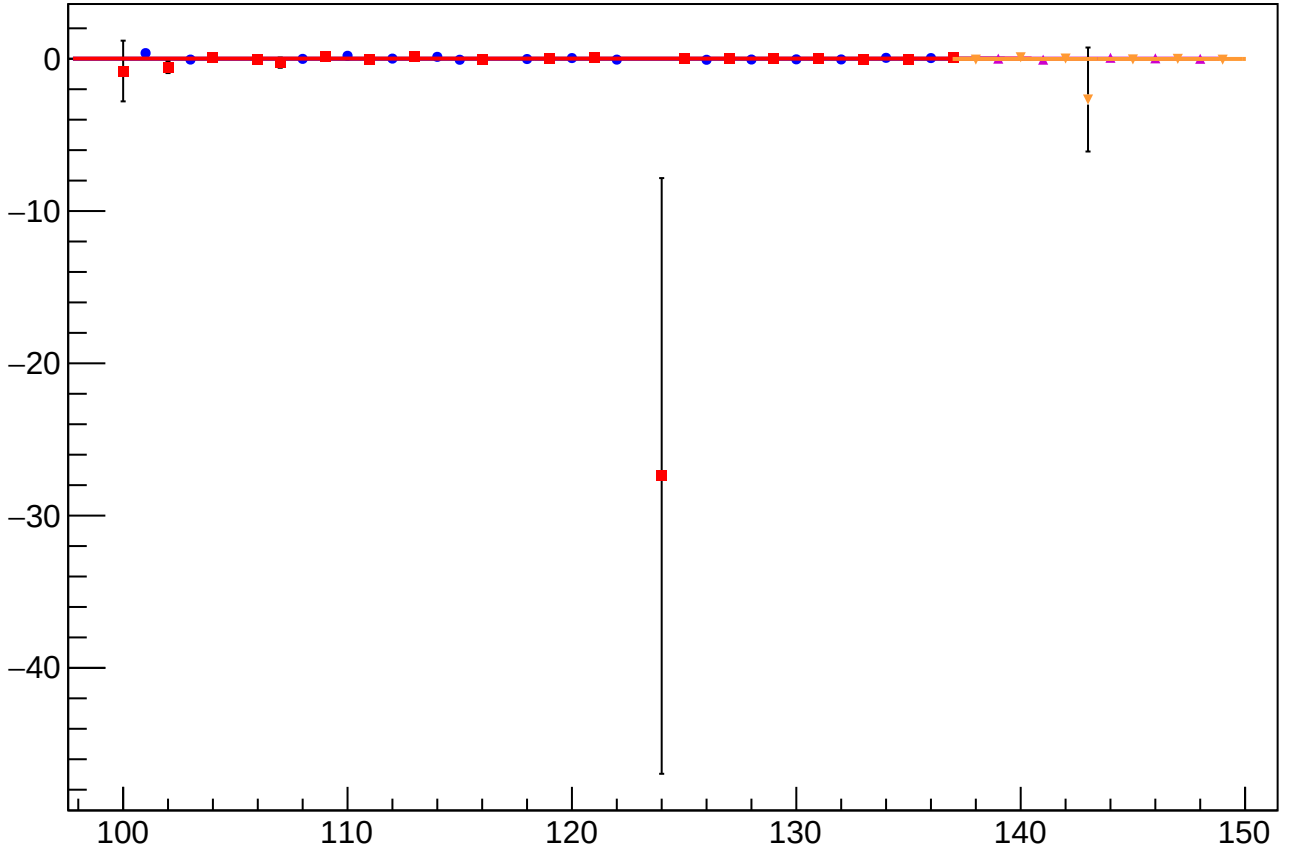
Left In: 0.001+/-0.000 χ^2/NDF:126953.7/4

+ sign 0.001+/-0.000 χ^2/NDF: 8605120.4/22

All: 0.001+/-0.000 χ^2/NDF: 16313419.8/46

- sign 0.001+/-0.000 χ^2/NDF: 7698094.3/23

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.011+/-0.017 χ^2/NDF:11.9/6

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

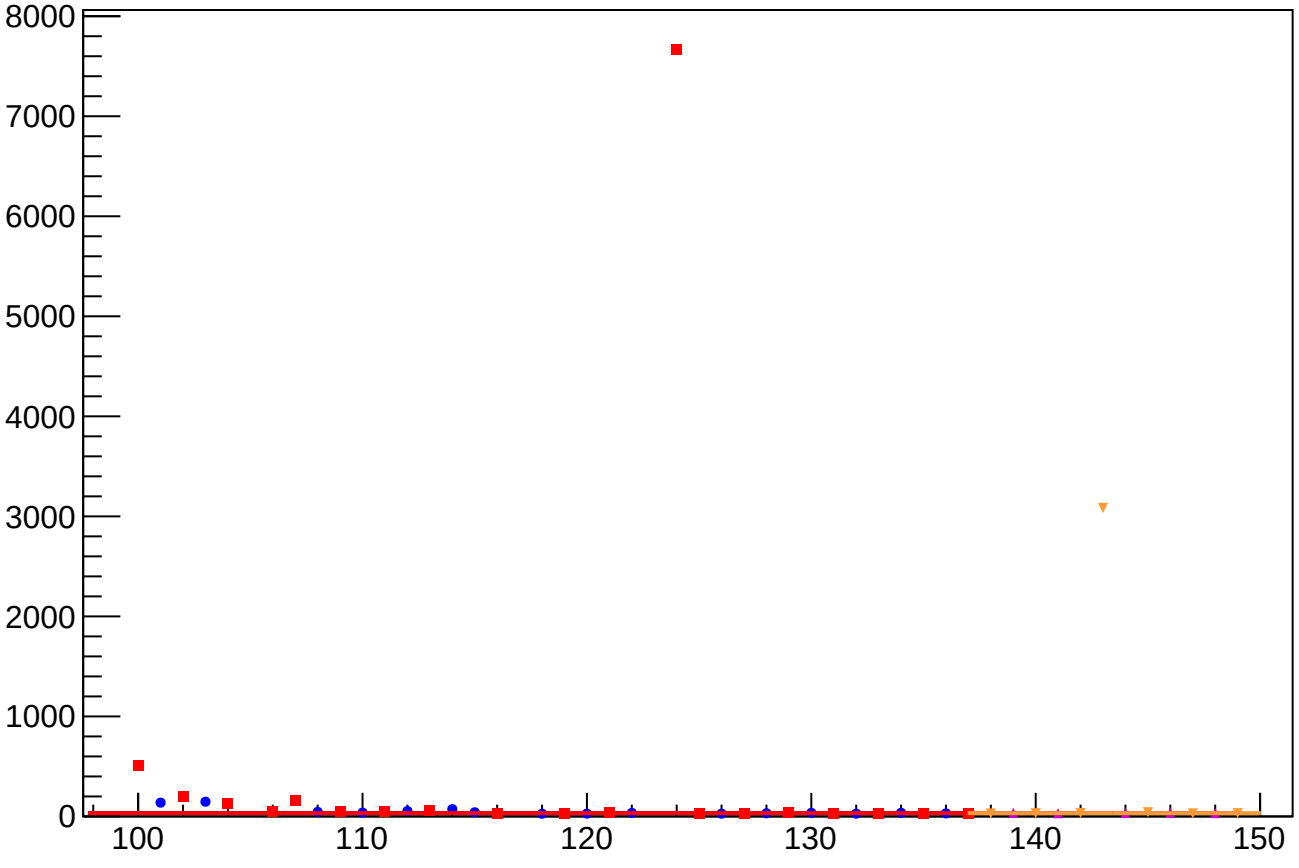
Left In: 0.006+/-0.018 χ^2/NDF:5.8/4

+ sign -0.004+/-0.011 χ^2/NDF: 33.2/22

All: 0.003+/-0.008 χ^2/NDF: 54.0/46

- 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: 32.982+/-0.012 χ^2/NDF:1685133.5/6

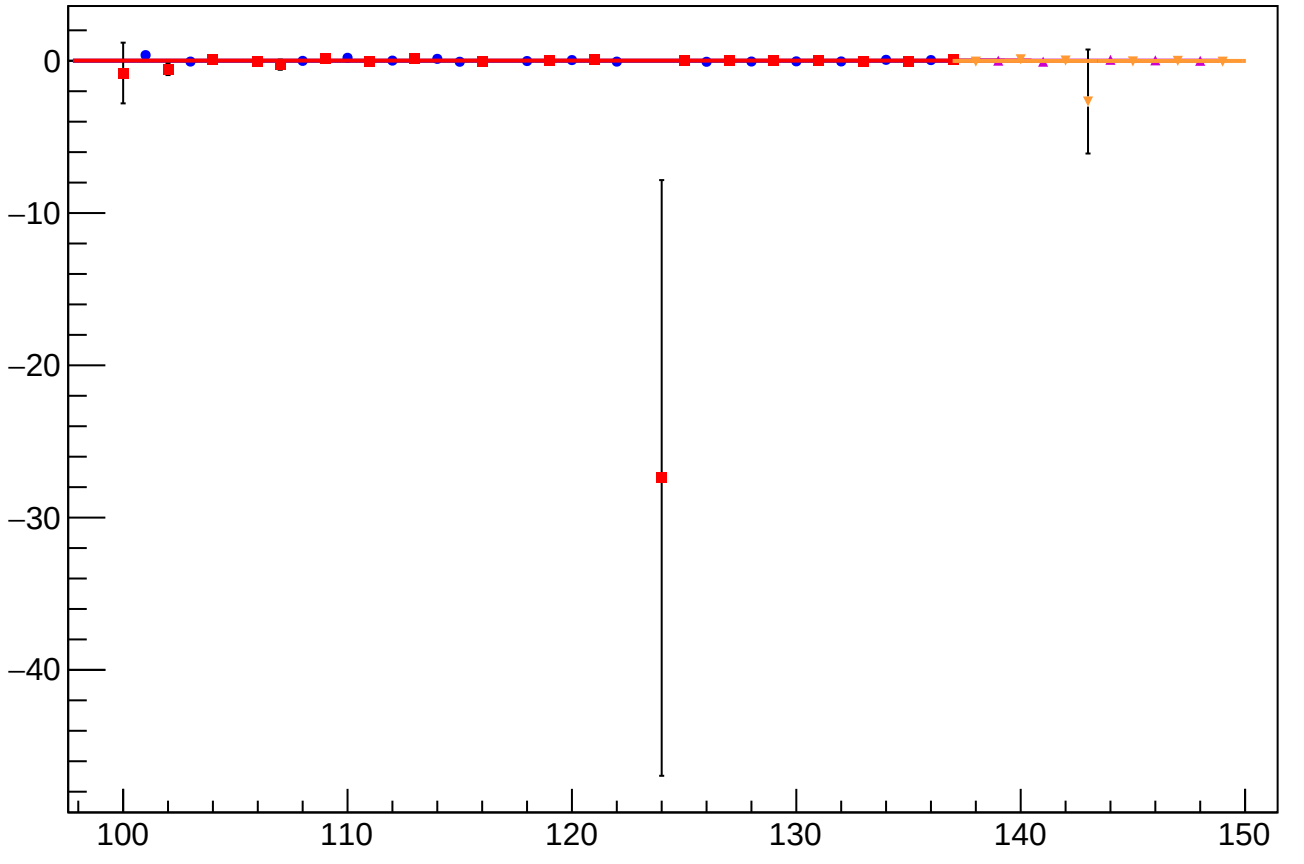
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.543+/-0.013 χ^2/NDF:19576.2/4

+ sign 33.585+/-0.008 χ^2/NDF: 3407029.1/22

All: 33.632+/-0.006 χ^2/NDF: 5509704.8/46

- 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: -0.011+/-0.017 χ^2/NDF:11.9/6

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

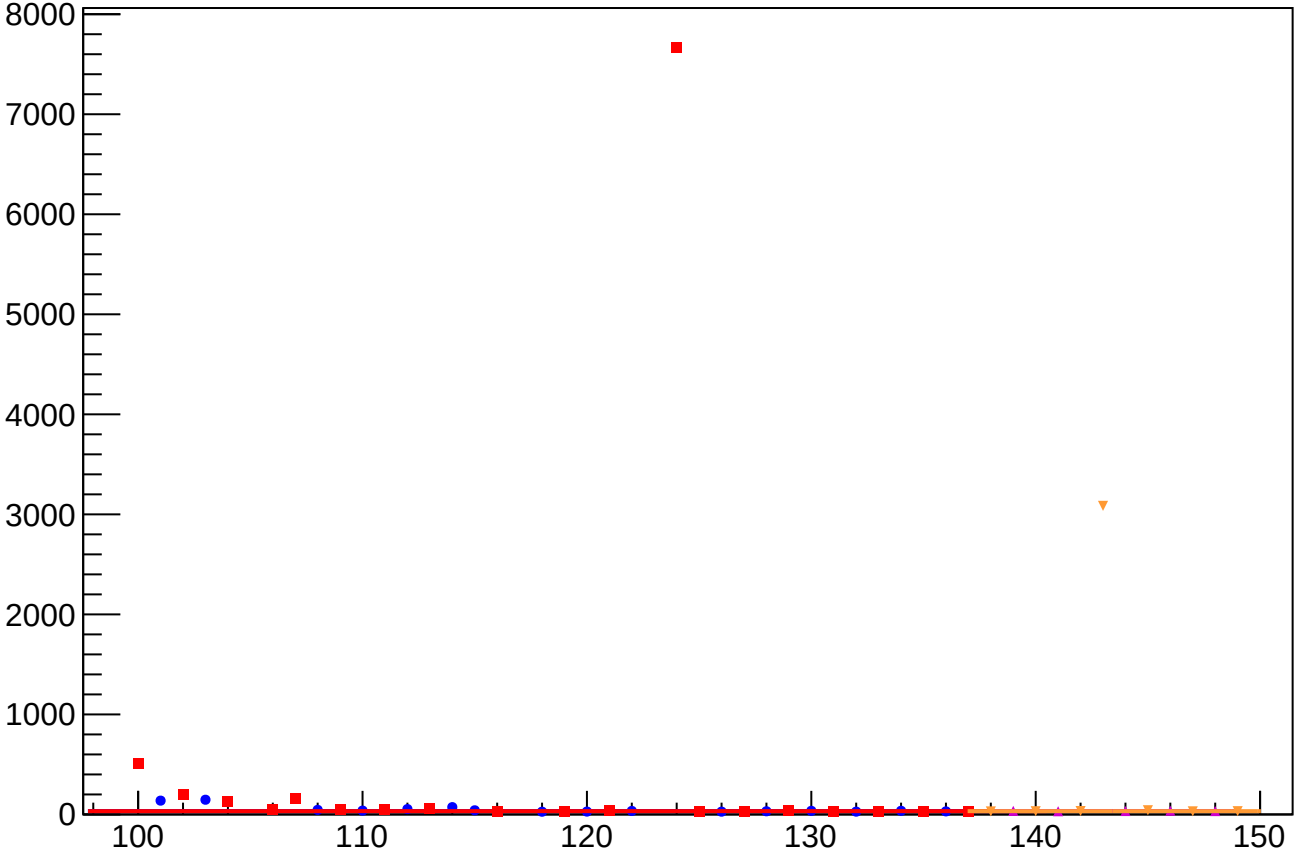
Left In: 0.006+/-0.018 χ^2/NDF:5.8/4

+ sign -0.004+/-0.011 χ^2/NDF: 33.2/22

All: 0.003+/-0.008 χ^2/NDF: 54.0/46

- sign 0.009+/-0.011 χ^2/NDF: 20.1/23

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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Left Out: 32.982+/-0.012 χ^2/NDF:1685133.5/6

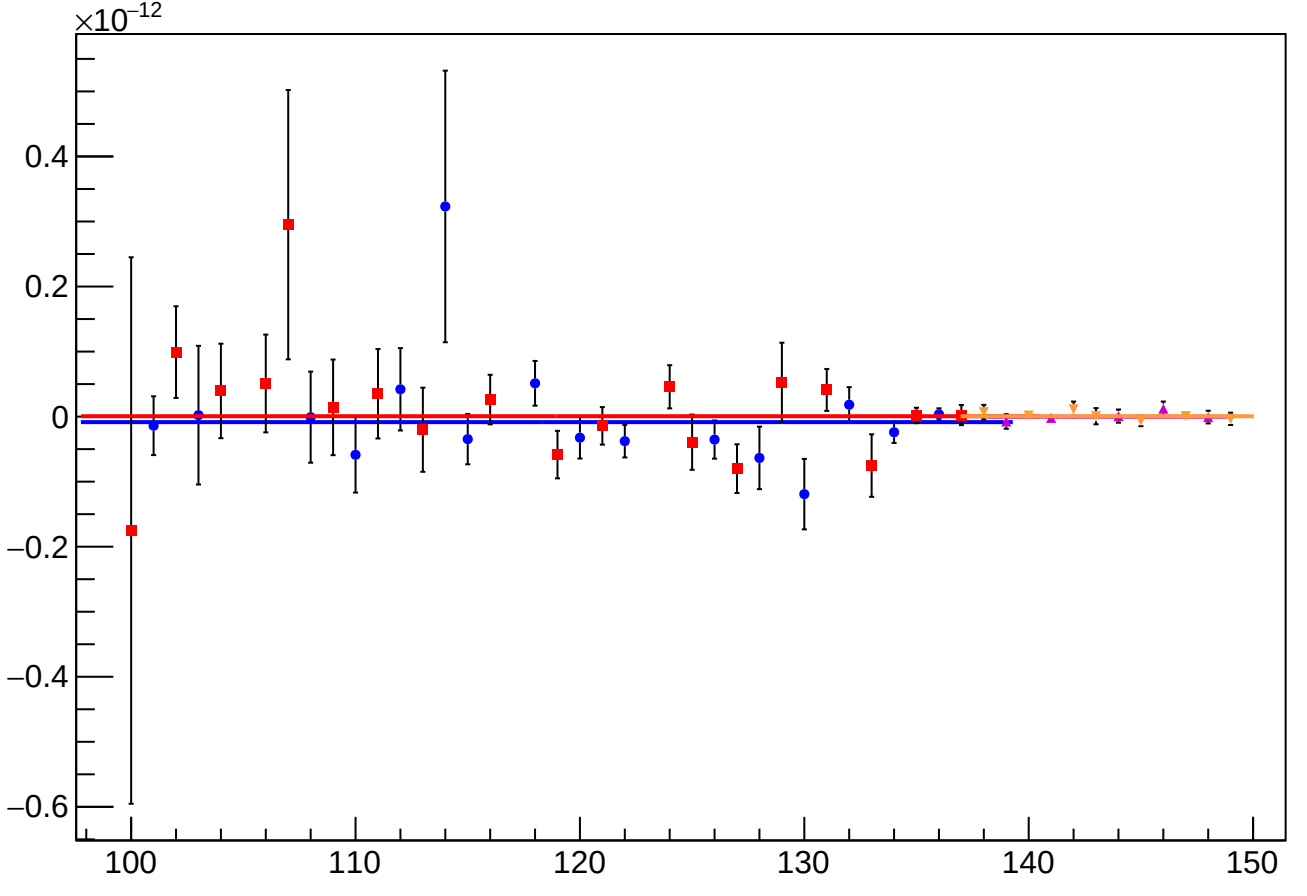
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.543+/-0.013 χ^2/NDF:19576.2/4

+ sign 33.585+/-0.008 χ^2/NDF: 3407029.1/22

All: 33.632+/-0.006 χ^2/NDF: 5509704.8/46

- sign 33.683+/-0.008 χ^2/NDF: 2102600.1/23



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/6

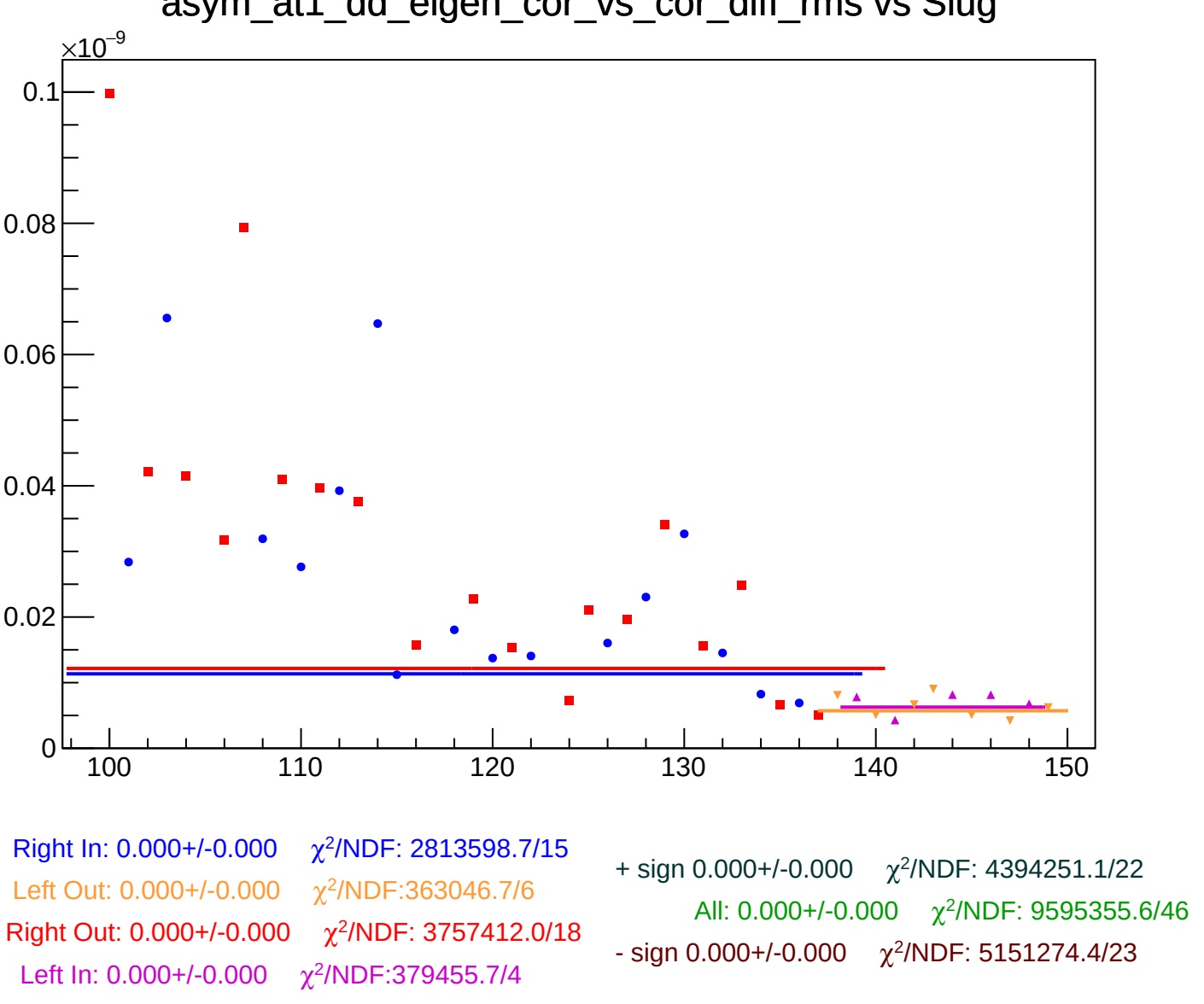
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/4

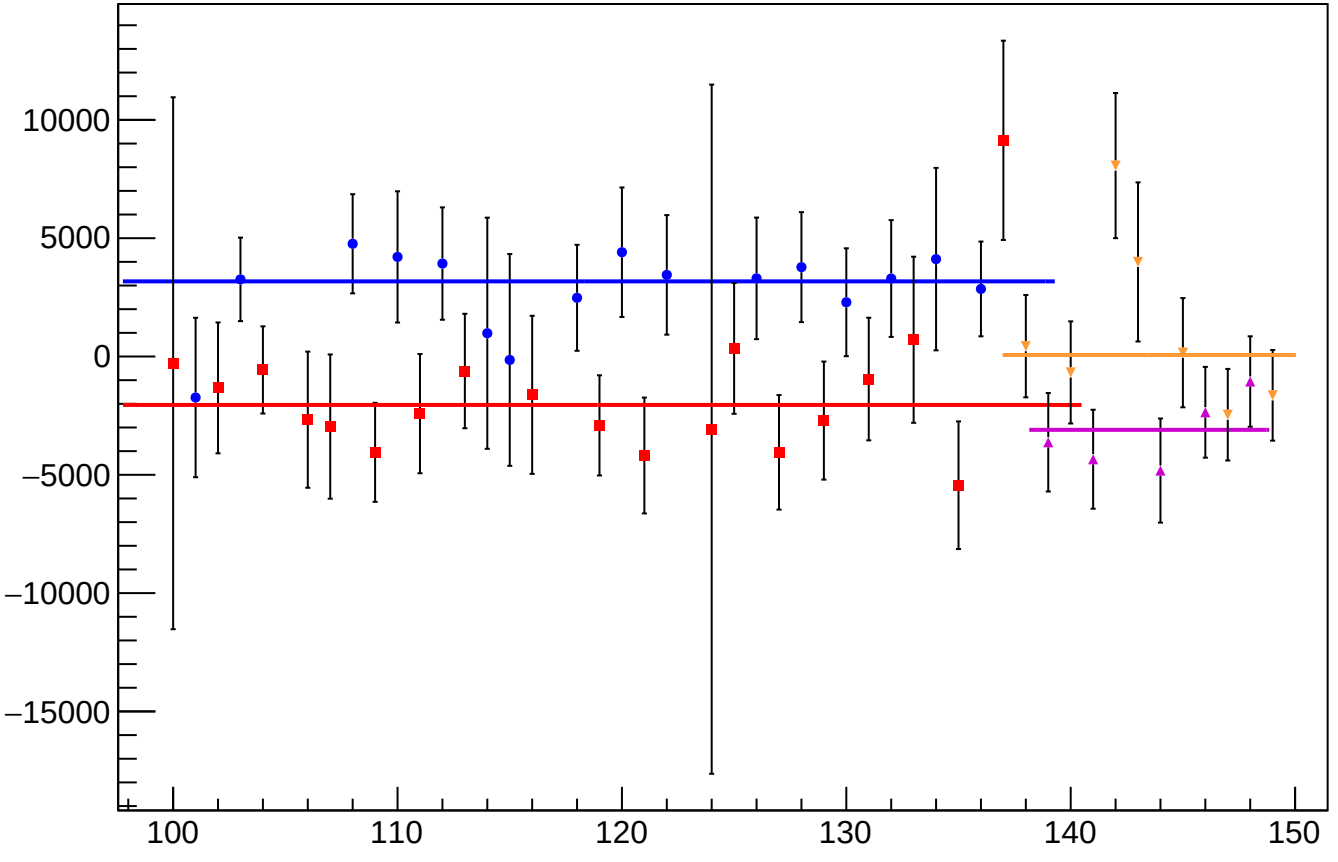
+ sign -0.000+/-0.000 χ^2/NDF: 22.9/22

All: -0.000+/-0.000 χ^2/NDF: 45.6/46

- sign 0.000+/-0.000 χ^2/NDF: 22.6/23


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:363046.7/6
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:379455.7/4
+ sign 0.000+/-0.000 χ²/NDF: 4394251.1/22
All: 0.000+/-0.000 χ²/NDF: 9595355.6/46
- sign 0.000+/-0.000 χ²/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: 64.348+/-860.467 χ^2/NDF:10.8/6

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

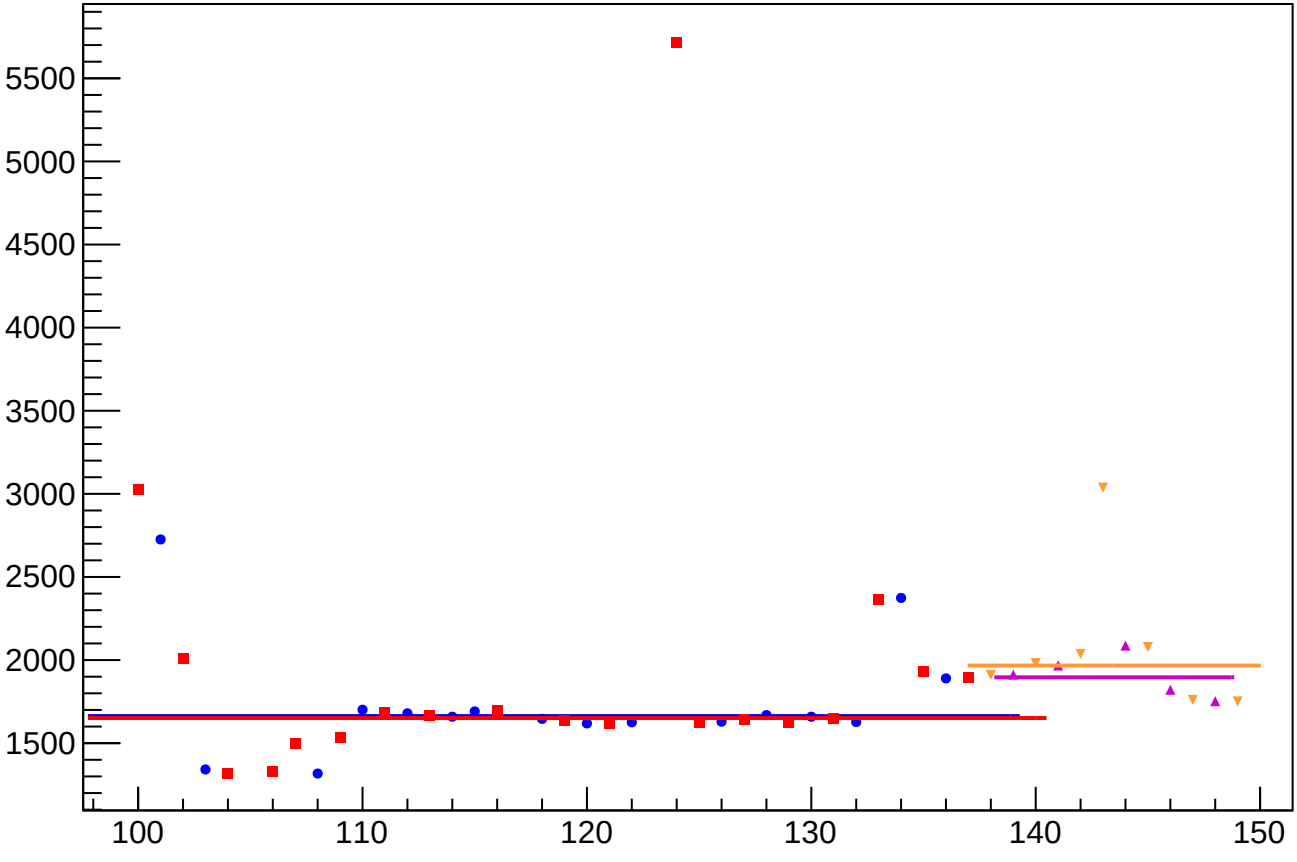
Left In: -3099.605+/-908.475 χ^2/NDF:2.3/4

+ sign 2094.333+/-507.263 χ^2/NDF: 23.7/22

All: -119.298+/-360.683 χ^2/NDF: 79.5/46

- 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: 1967.040+/-0.608 χ^2/NDF:258096.5/6

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

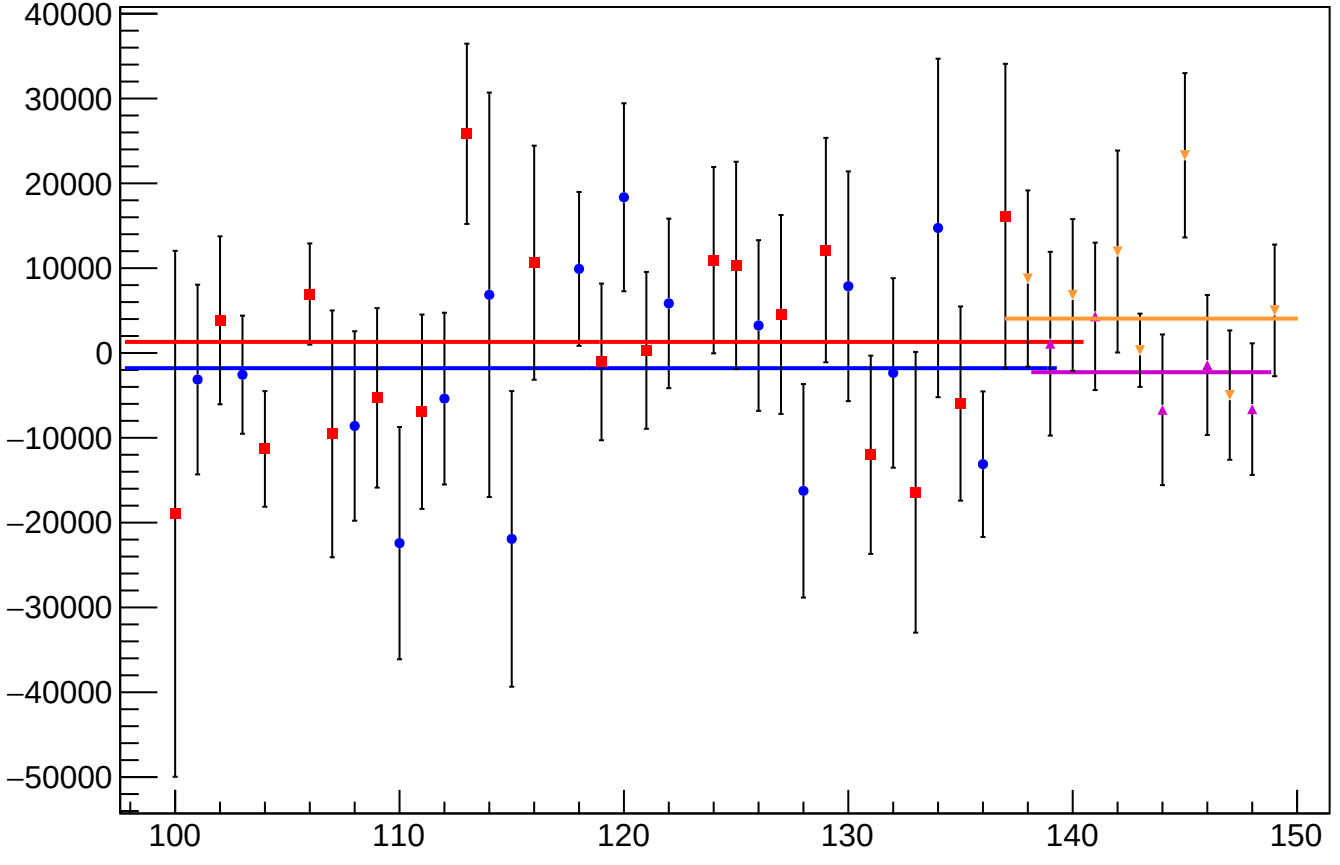
Left In: 1896.319+/-0.642 χ^2/NDF:31865.3/4

+ sign 1768.600+/-0.359 χ^2/NDF: 836755.6/22

All: 1749.232+/-0.255 χ^2/NDF: 1405565.5/46

- 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: 4056.517+/-2807.191 χ^2/NDF:6.9/6

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

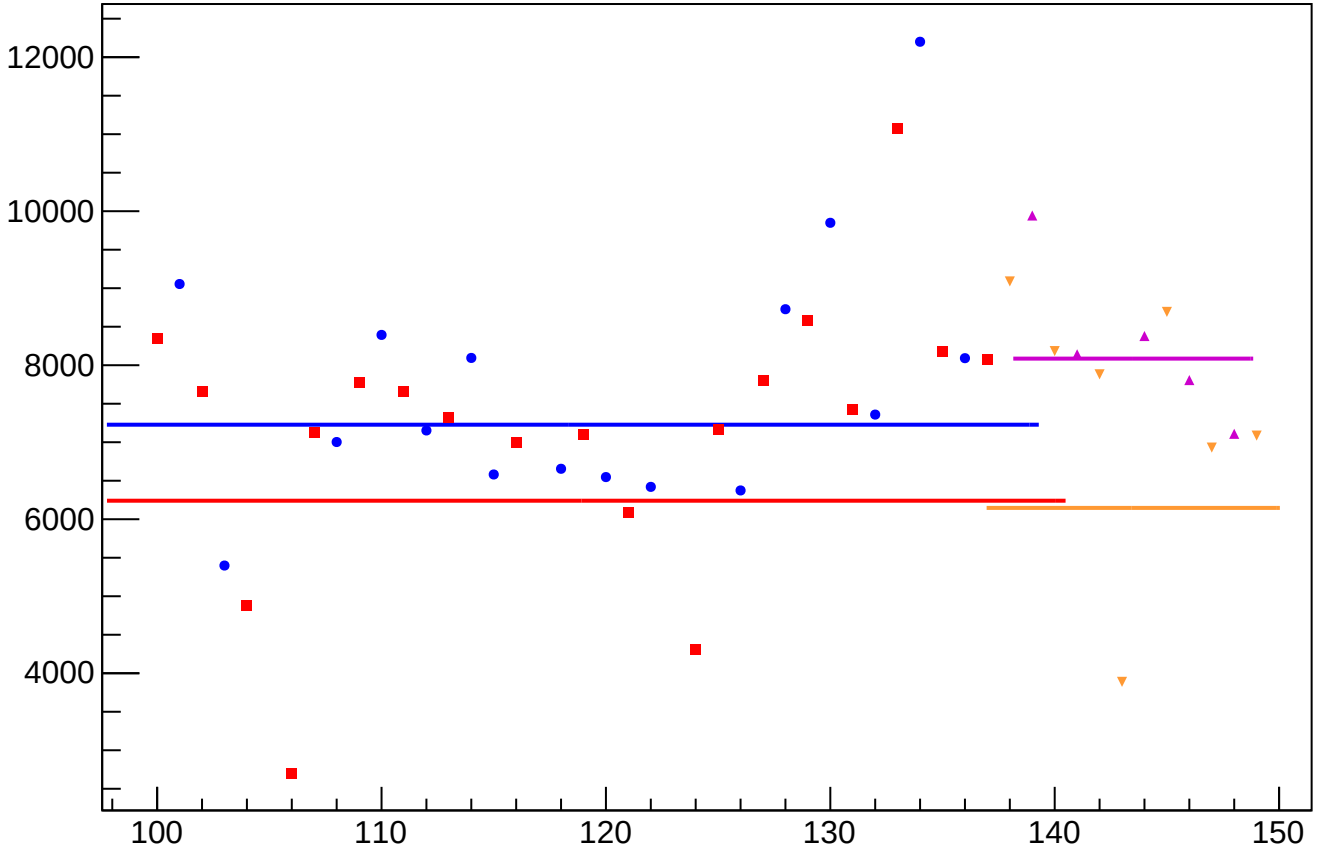
Left In: -2267.374+/-3900.189 χ^2/NDF:1.2/4

+ sign 1065.780+/-1962.121 χ^2/NDF: 23.4/22

All: 705.273+/-1421.586 χ^2/NDF: 43.1/46

- 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: 6147.145+/-1.985 χ^2/NDF:1041930.8/6

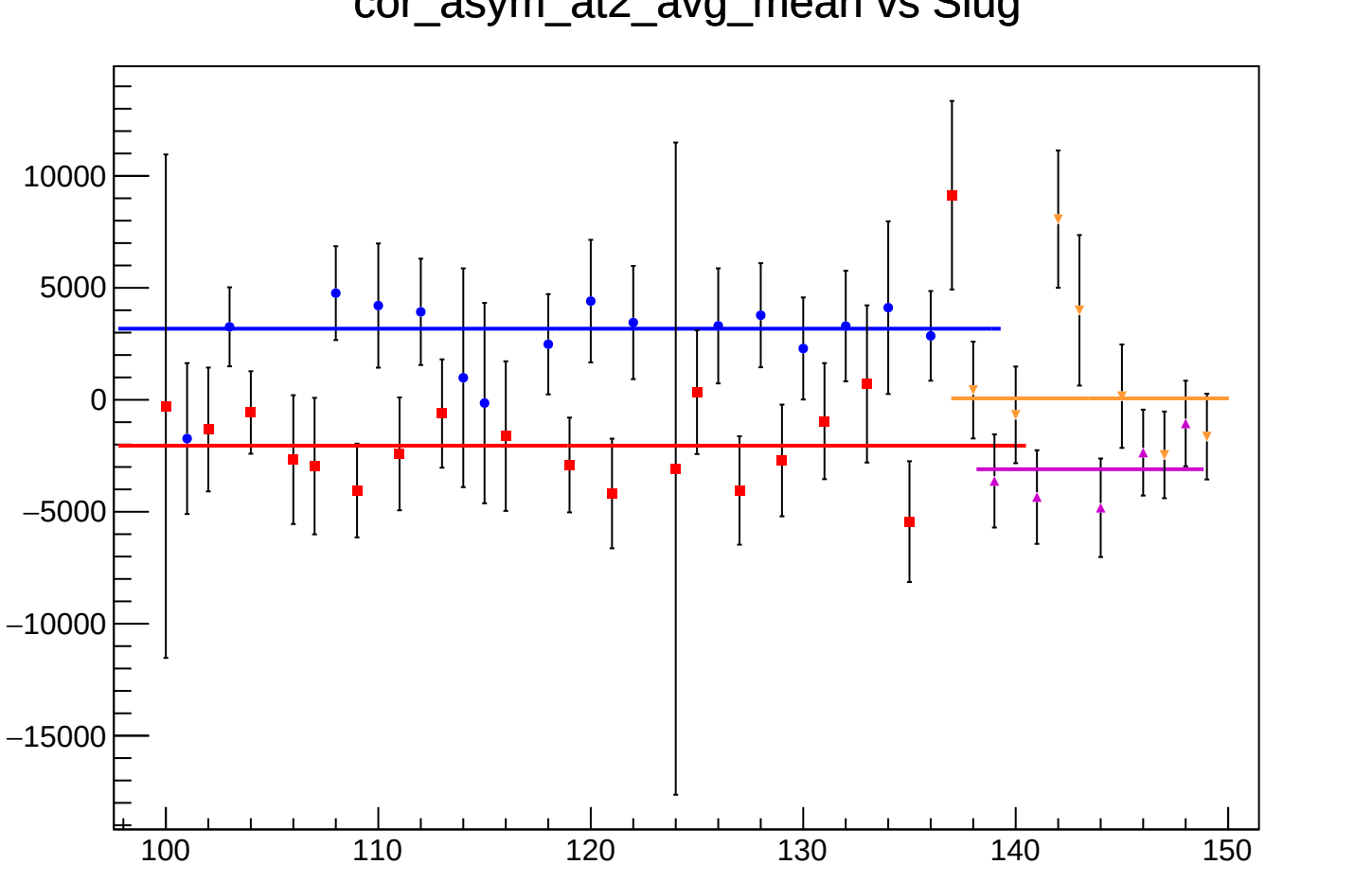
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8085.765+/-2.758 χ^2/NDF:95081.7/4

+ sign 6699.740+/-1.387 χ^2/NDF: 1696720.7/22

All: 6726.736+/-1.005 χ^2/NDF: 3514151.1/46

- sign 6756.563+/-1.458 χ^2/NDF: 1816633.5/23



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 64.385+/-860.467 χ^2/NDF:10.8/6

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

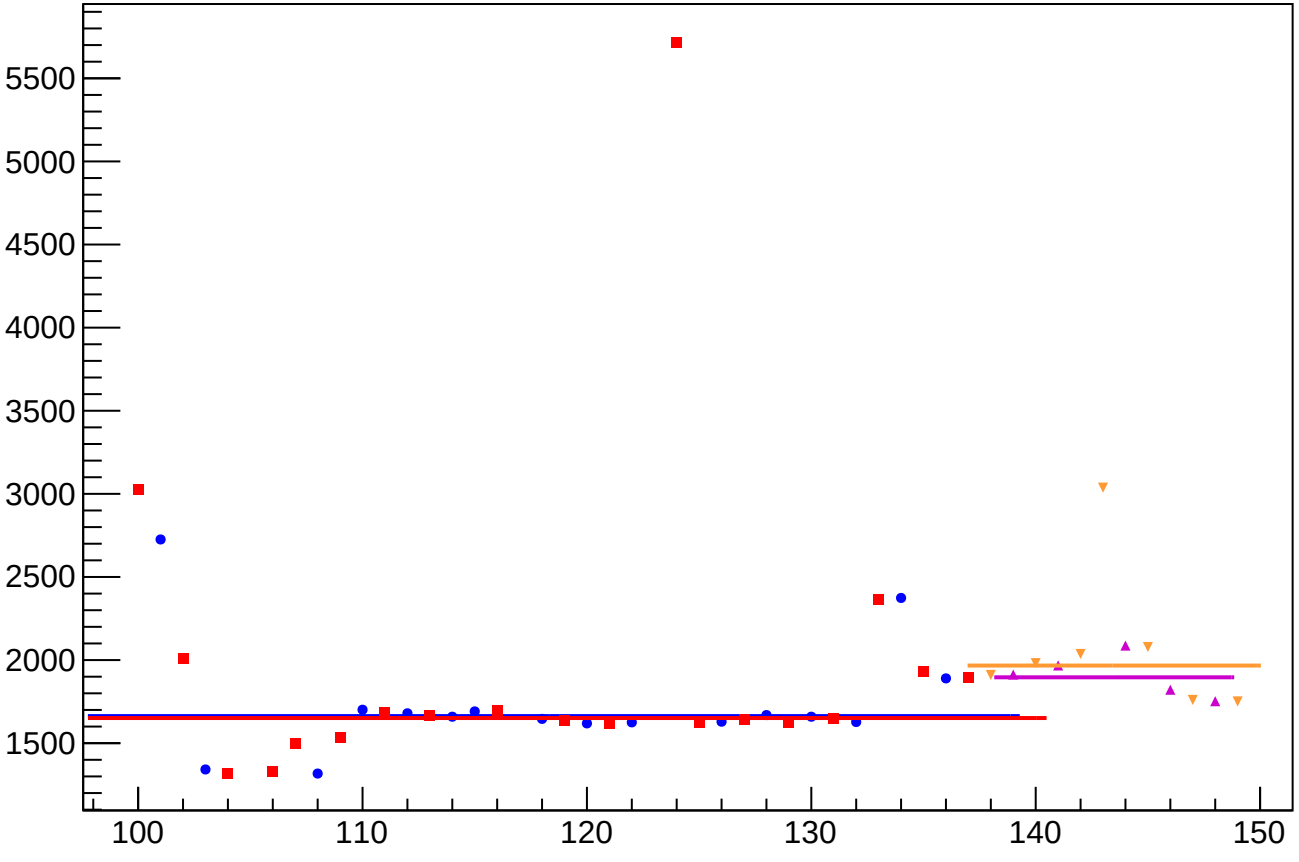
Left In: -3099.860+/-908.475 χ^2/NDF:2.3/4

+ sign 2094.404+/-507.263 χ^2/NDF: 23.7/22

All: -119.237+/-360.683 χ^2/NDF: 79.5/46

- 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: 1967.040+/-0.608 χ^2/NDF:258096.5/6

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

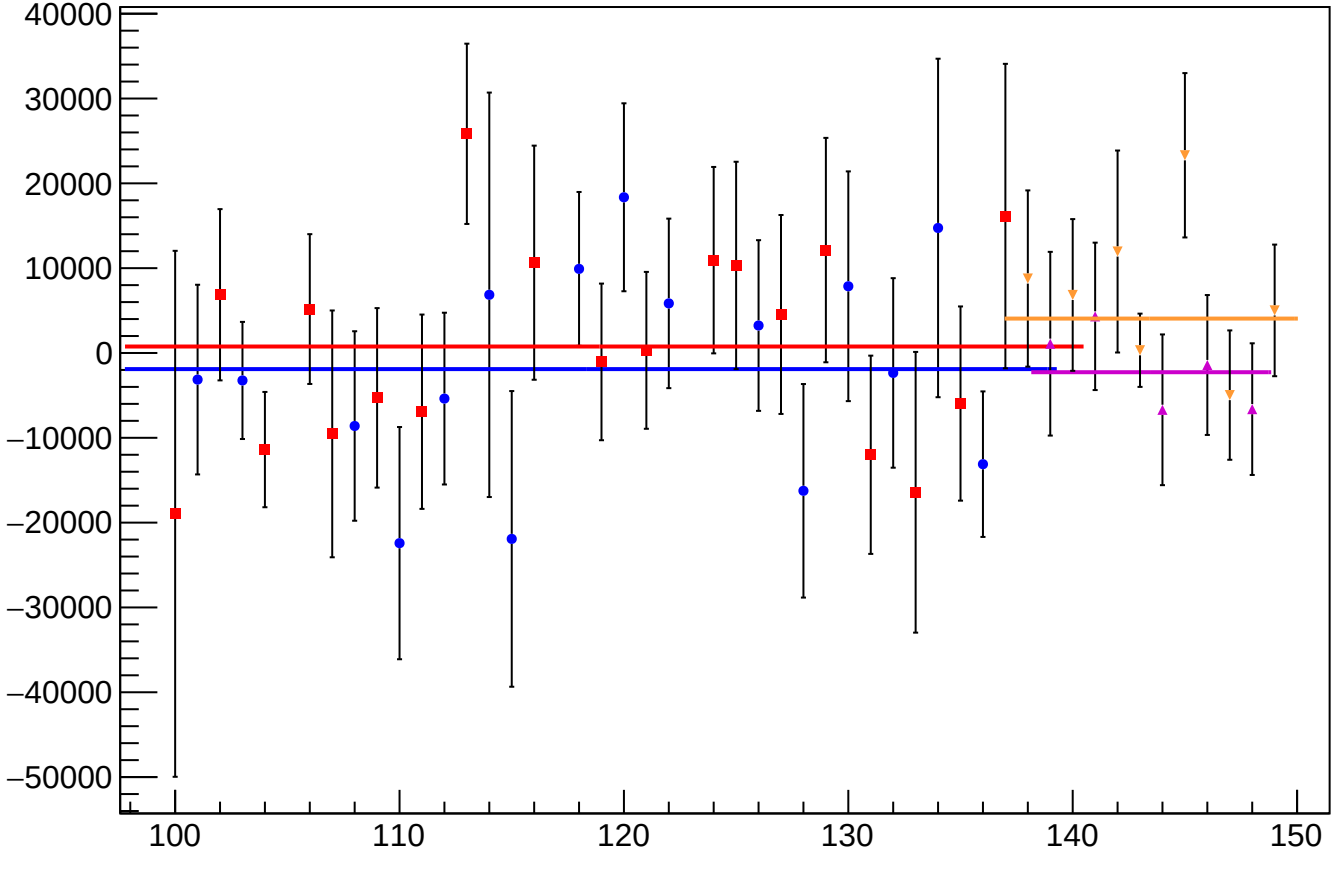
Left In: 1896.319+/-0.642 χ^2/NDF:31865.3/4

+ sign 1768.600+/-0.359 χ^2/NDF: 836756.1/22

All: 1749.232+/-0.255 χ^2/NDF: 1405566.2/46

- 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: 4056.393+/-2807.176 χ^2/NDF:6.9/6

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

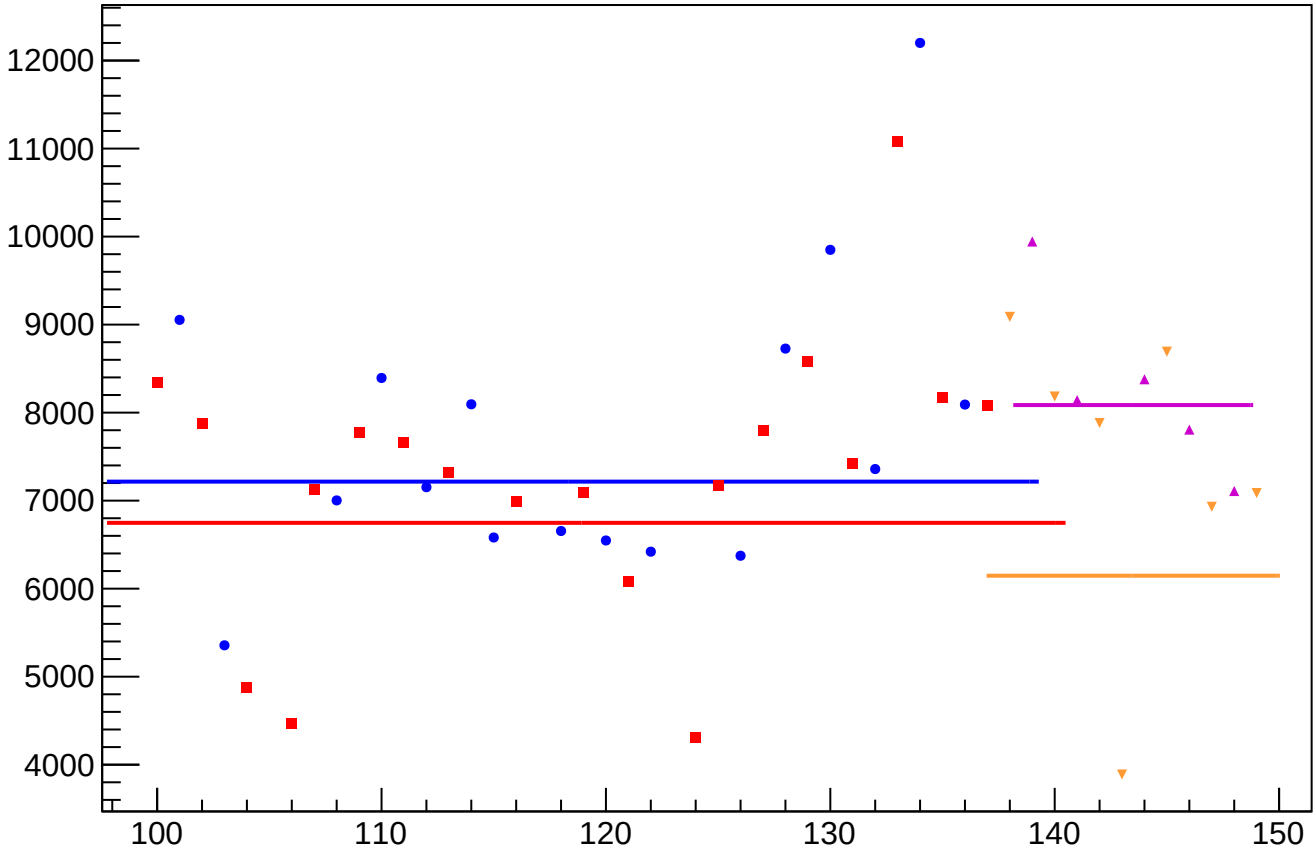
Left In: -2267.409+/-3900.186 χ^2/NDF:1.2/4

\+ sign 1005.962+/-1960.775 χ^2/NDF: 23.5/22

All: 479.246+/-1443.923 χ^2/NDF: 42.6/46

\- 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: 6147.104+/-1.985 χ^2/NDF:1041957.7/6

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

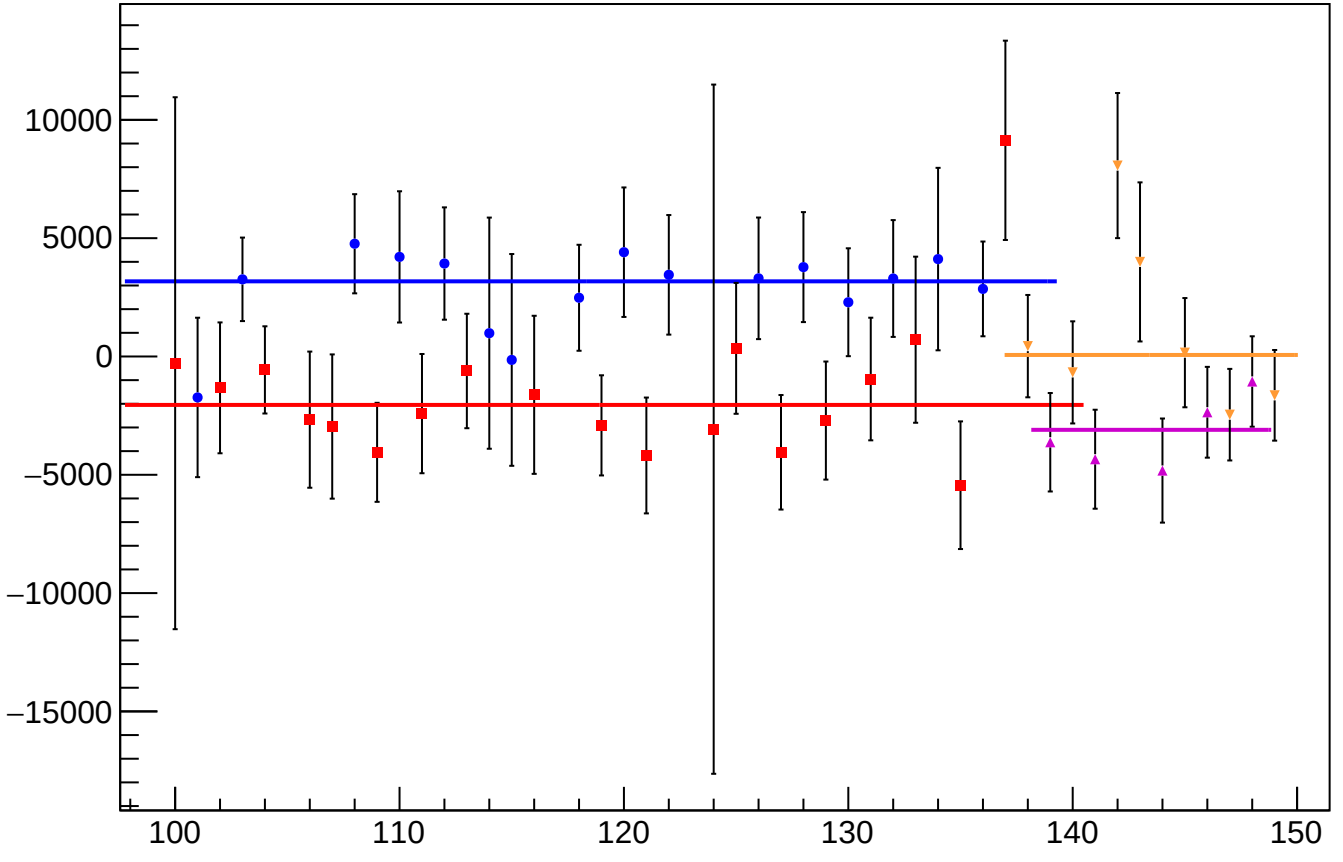
Left In: 8085.760+/-2.758 χ^2/NDF:95081.6/4

+ sign 6694.518+/-1.386 χ^2/NDF: 1702593.7/22

All: 6902.269+/-1.021 χ^2/NDF: 2720423.6/46

- sign 7148.411+/-1.509 χ^2/NDF: 968776.4/23

eigen_cor_asym_at2_avg_mean vs Slug



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Left Out: 64.385+/-860.467 χ^2/NDF:10.8/6

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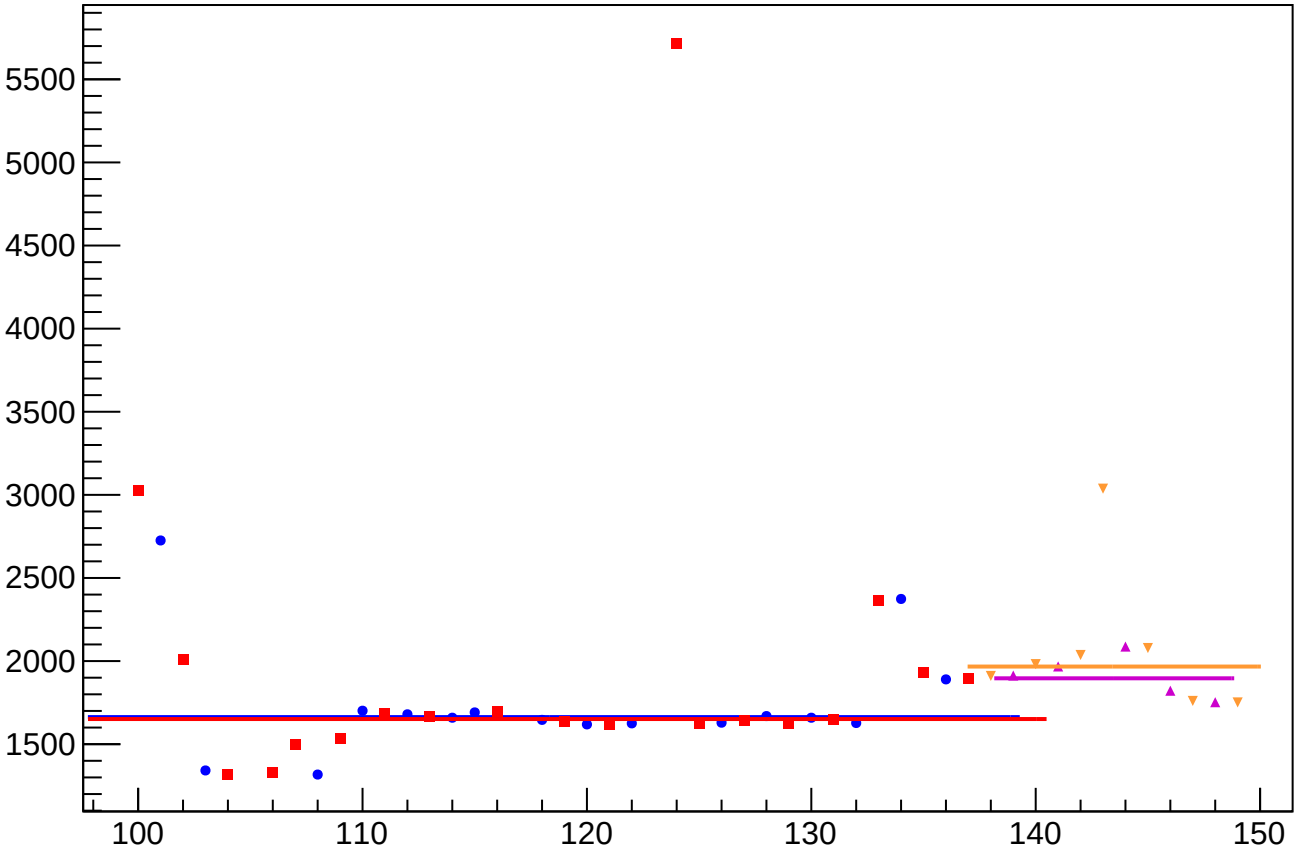
+ sign 2094.404+/-507.263 χ^2/NDF: 23.7/22

All: -119.237+/-360.683 χ^2/NDF: 79.5/46

- sign -2382.799+/-512.951 χ^2/NDF: 17.3/23

eigen_cor_asym_at2_avg_rms vs Slug



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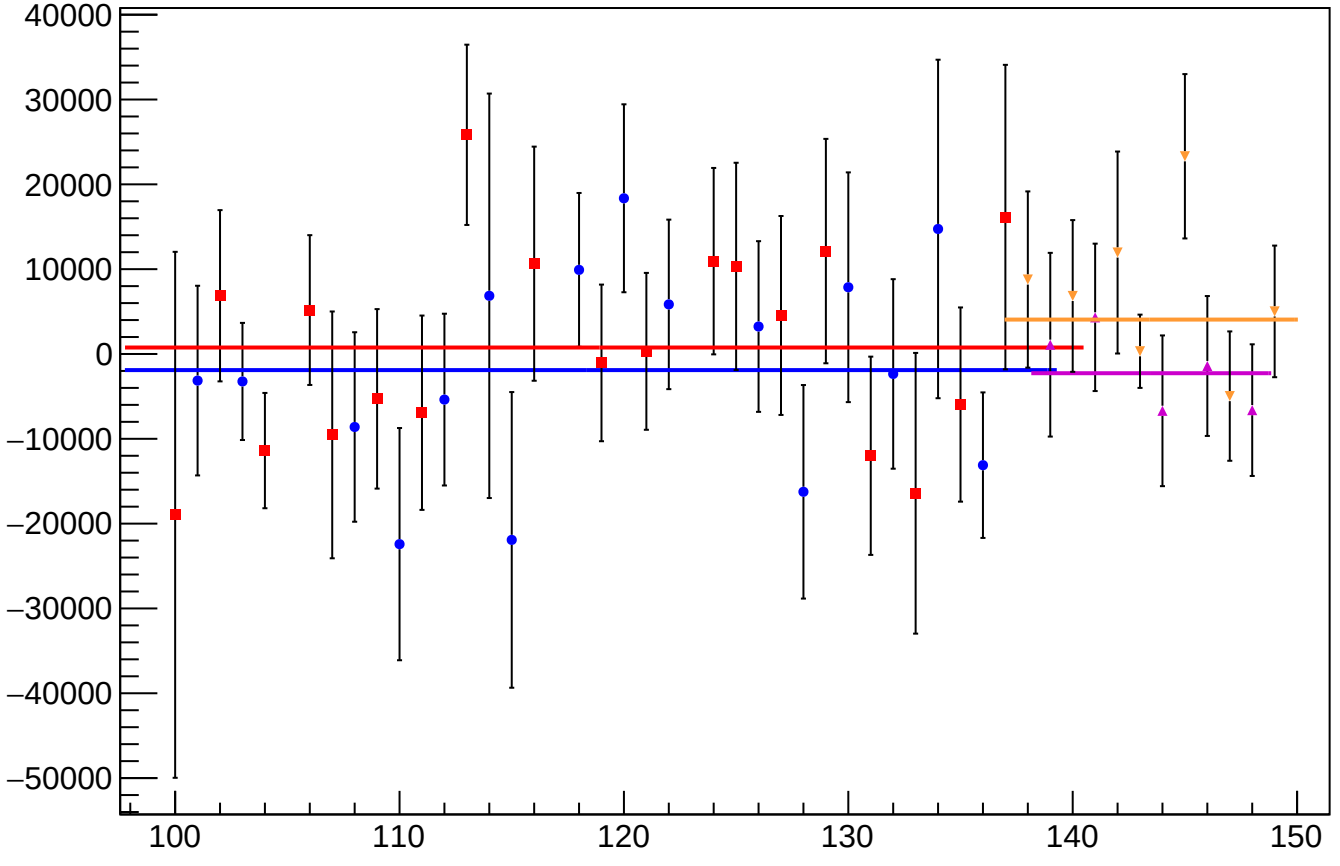
Left In: 1896.319+/-0.642 χ^2/NDF:31865.3/4

+ sign 1768.600+/-0.359 χ^2/NDF: 836756.1/22

All: 1749.232+/-0.255 χ^2/NDF: 1405566.2/46

- sign 1729.428+/-0.363 χ^2/NDF: 562913.3/23

asym_at2_avg_eigen_cor_correction_mean vs Slug



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Left Out: 4056.393+/-2807.176 χ^2/NDF:6.9/6

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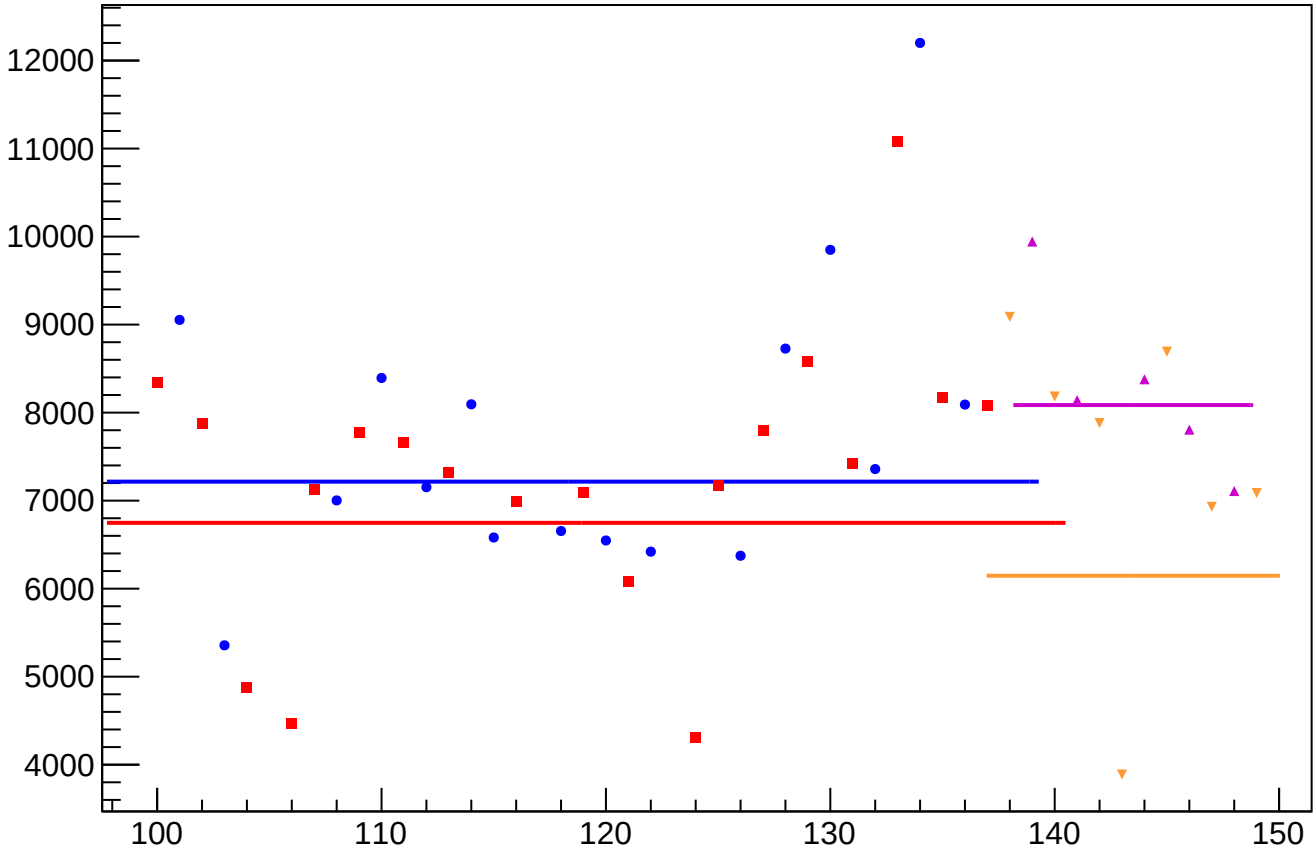
asym_at2_avg_eigen_cor_correction_rms vs Slug



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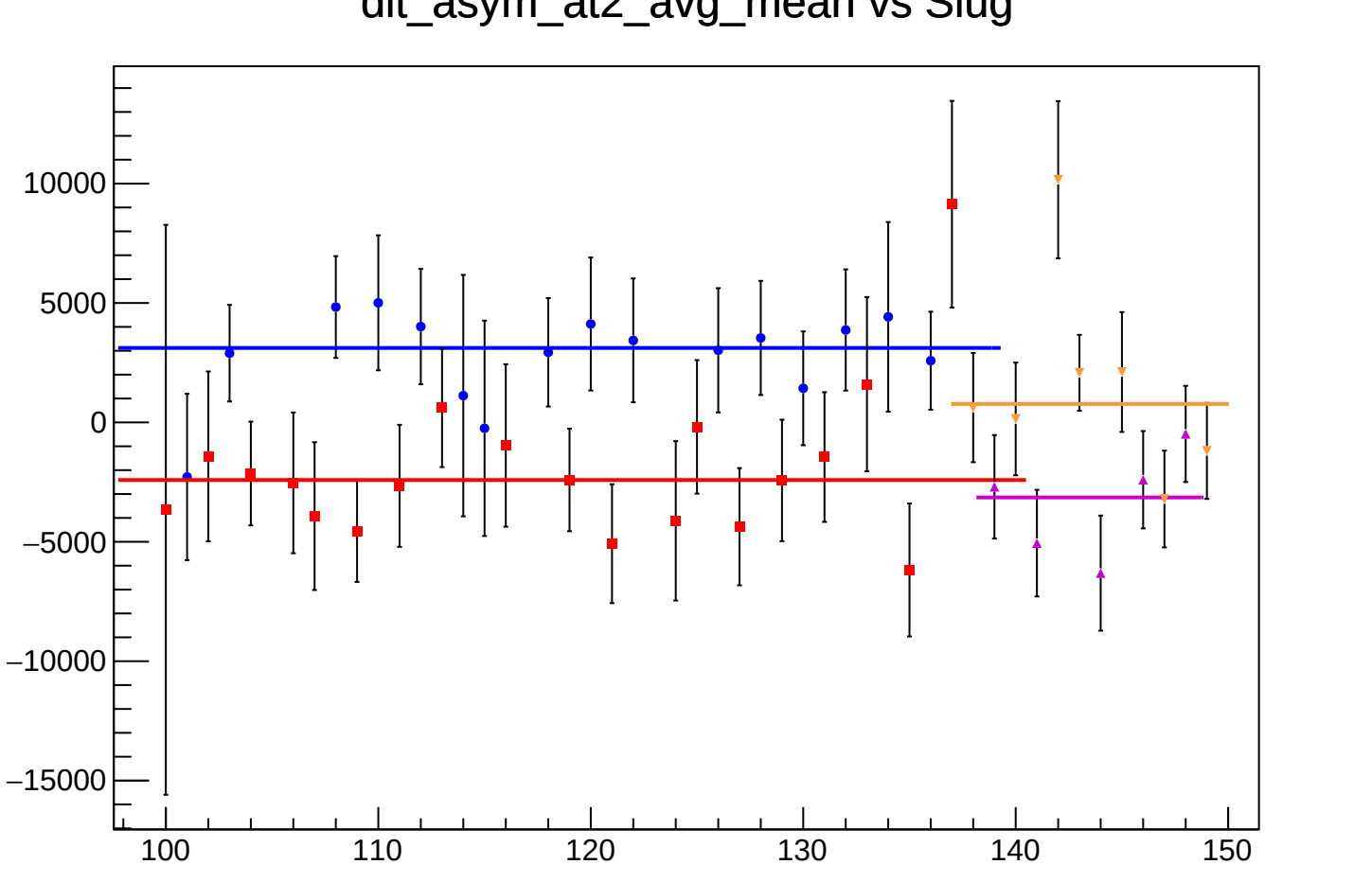


Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 772.432+/-813.865 χ^2/NDF:14.0/6

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

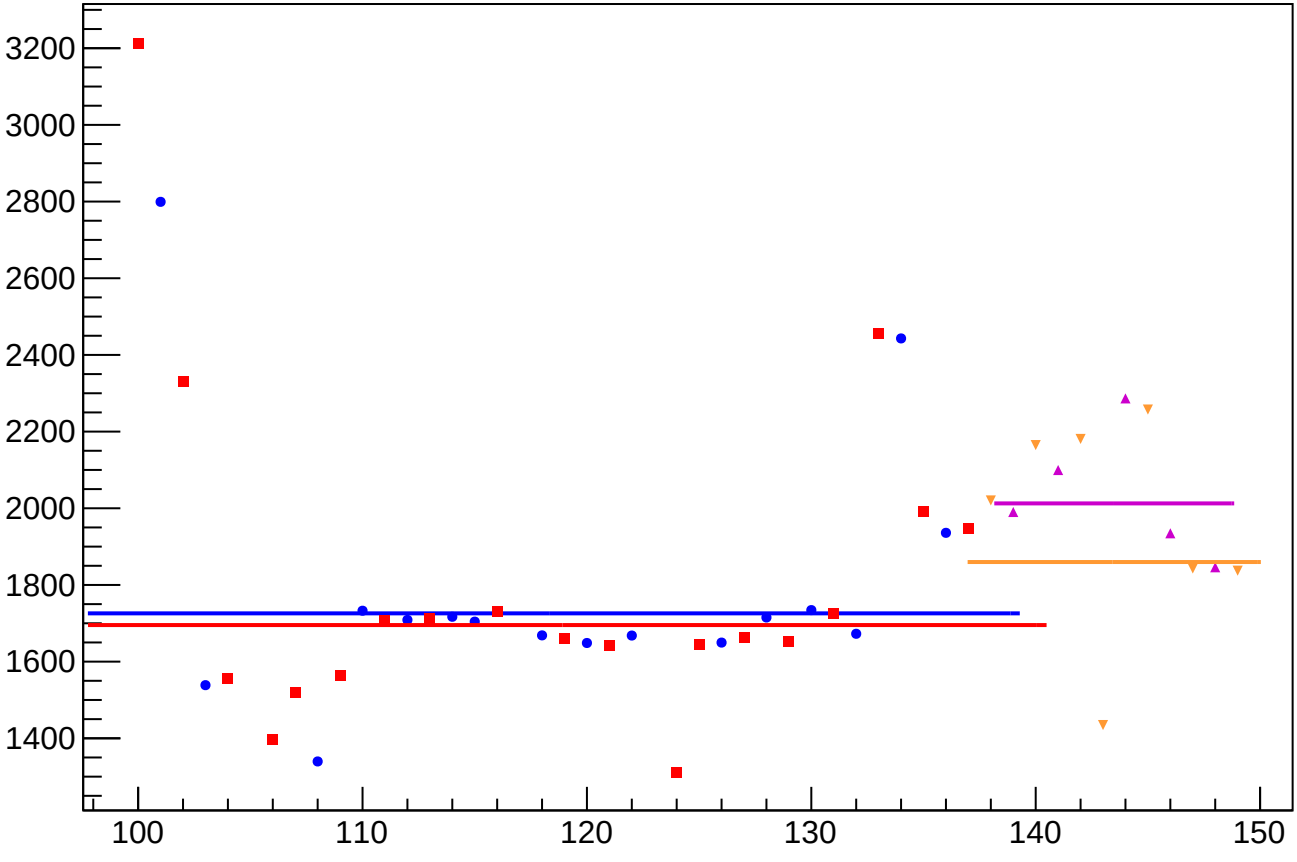
Left In: -3142.719+/-965.352 χ^2/NDF:4.4/4

+ sign 2202.536+/-508.430 χ^2/NDF: 24.4/22

All: -102.821+/-367.845 χ^2/NDF: 88.3/46

- 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: 1859.802+/-0.575 χ^2/NDF:256379.9/6

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

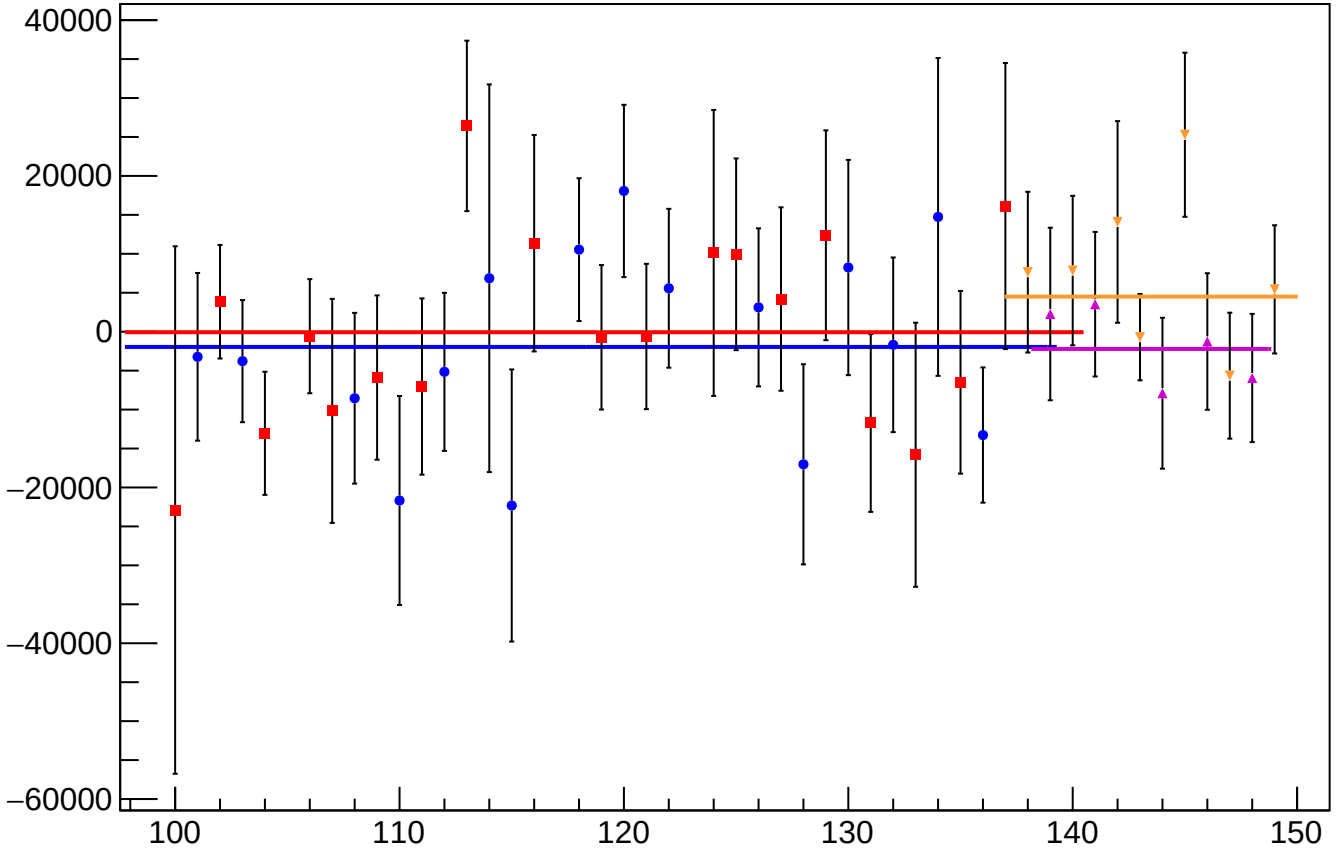
Left In: 2012.717+/-0.683 χ^2/NDF:45698.3/4

+ sign 1778.164+/-0.360 χ^2/NDF: 655023.2/22

All: 1784.769+/-0.260 χ^2/NDF: 1137353.4/46

- 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: 4498.051+/-3197.321 χ^2/NDF:7.1/6

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

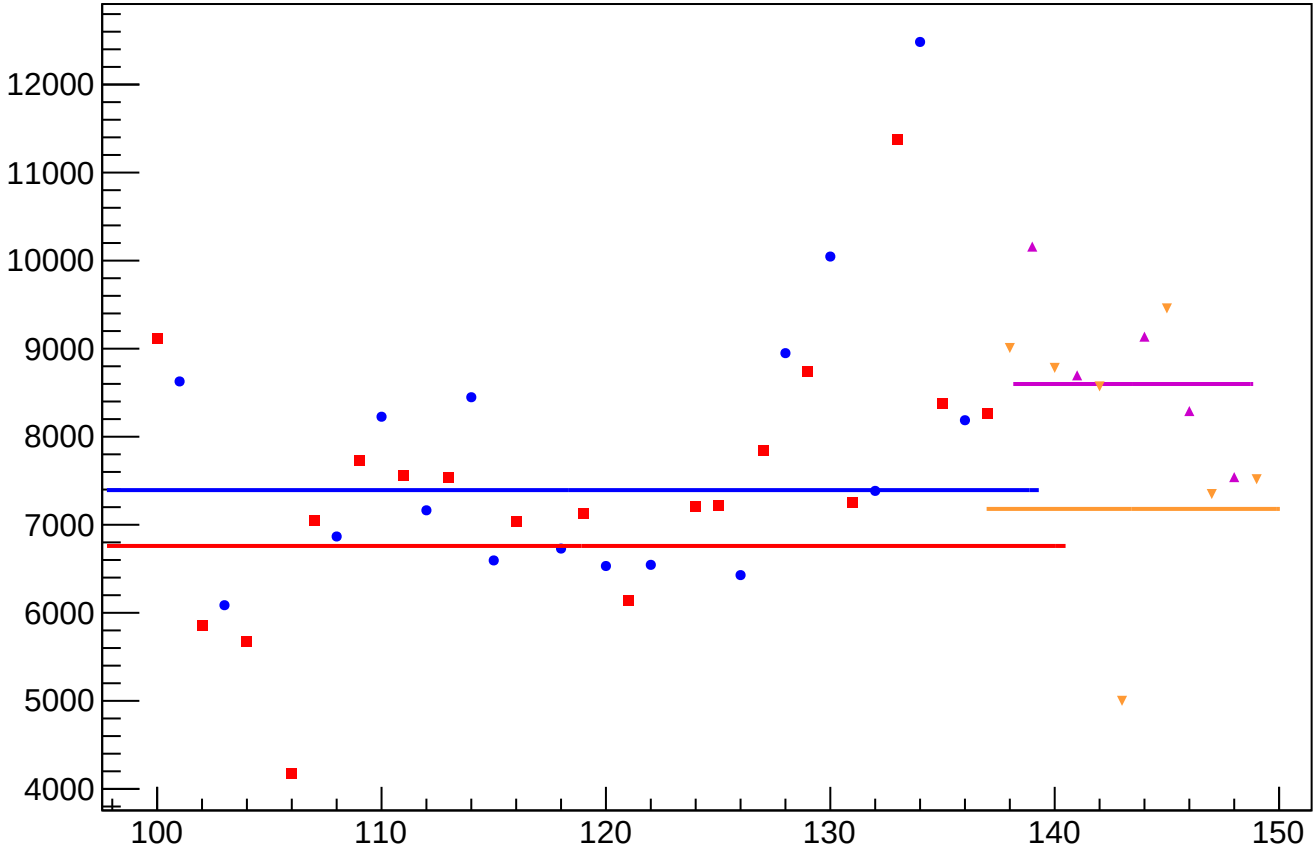
Left In: -2214.884+/-4145.524 χ^2/NDF:1.1/4

+ sign 841.949+/-2105.729 χ^2/NDF: 23.8/22

All: 114.424+/-1507.555 χ^2/NDF: 41.5/46

- 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: 7180.073+/-2.261 χ^2/NDF:548398.3/6

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

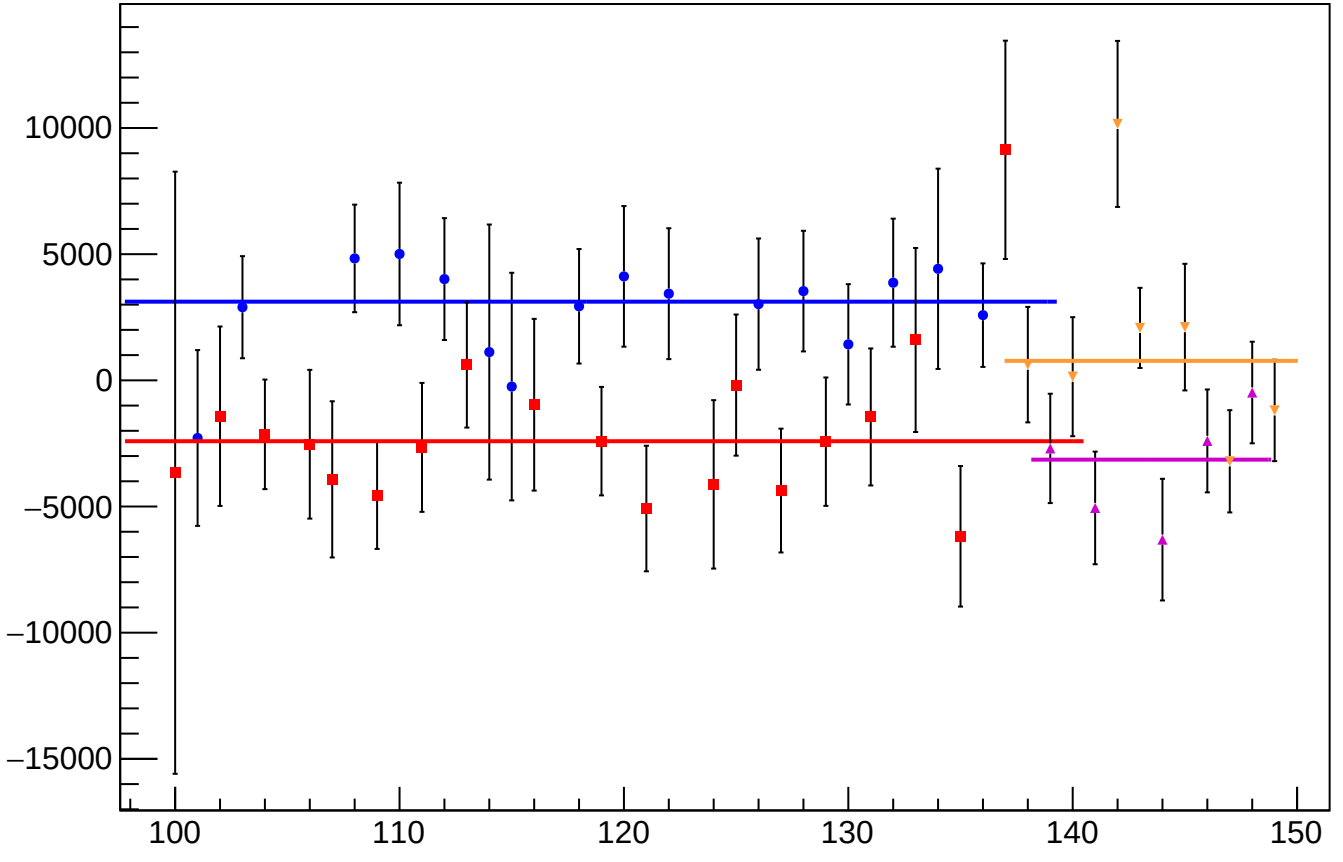
Left In: 8598.716+/-2.931 χ^2/NDF:81534.1/4

+ sign 7300.997+/-1.489 χ^2/NDF: 955277.1/22

All: 7280.254+/-1.066 χ^2/NDF: 1968389.8/46

- sign 7258.442+/-1.527 χ^2/NDF: 1012714.6/23

eigen_dit_asym_at2_avg_mean vs Slug



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Left Out: 772.435+/-813.866 χ^2/NDF:14.0/6

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

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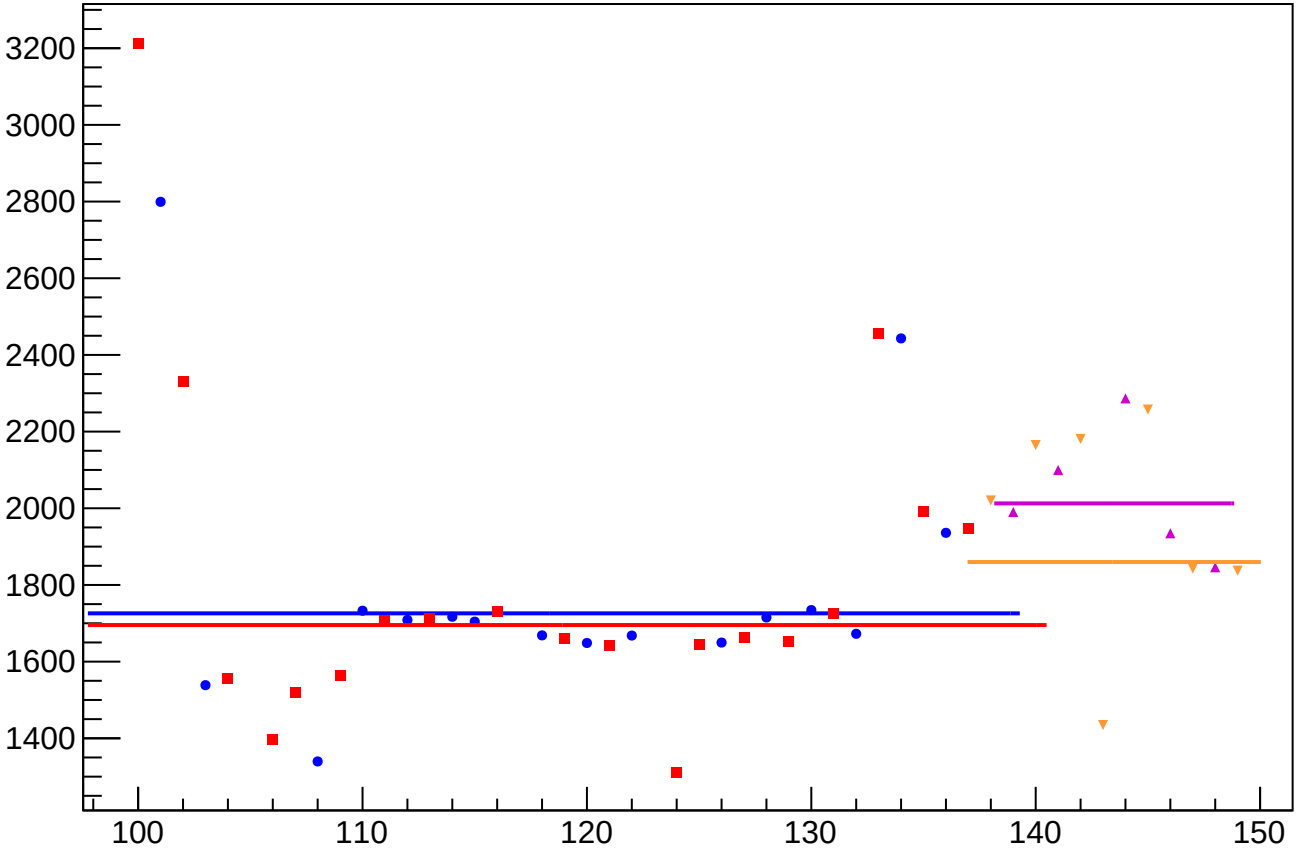
+ sign 2202.541+/-508.430 χ^2/NDF: 24.4/22

All: -102.819+/-367.845 χ^2/NDF: 88.3/46

- sign -2634.966+/-532.852 χ^2/NDF: 20.8/23

eigen_dit_asym_at2_avg_rms vs Slug



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Left Out: 1859.804+/-0.575 χ^2/NDF:256380.3/6

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

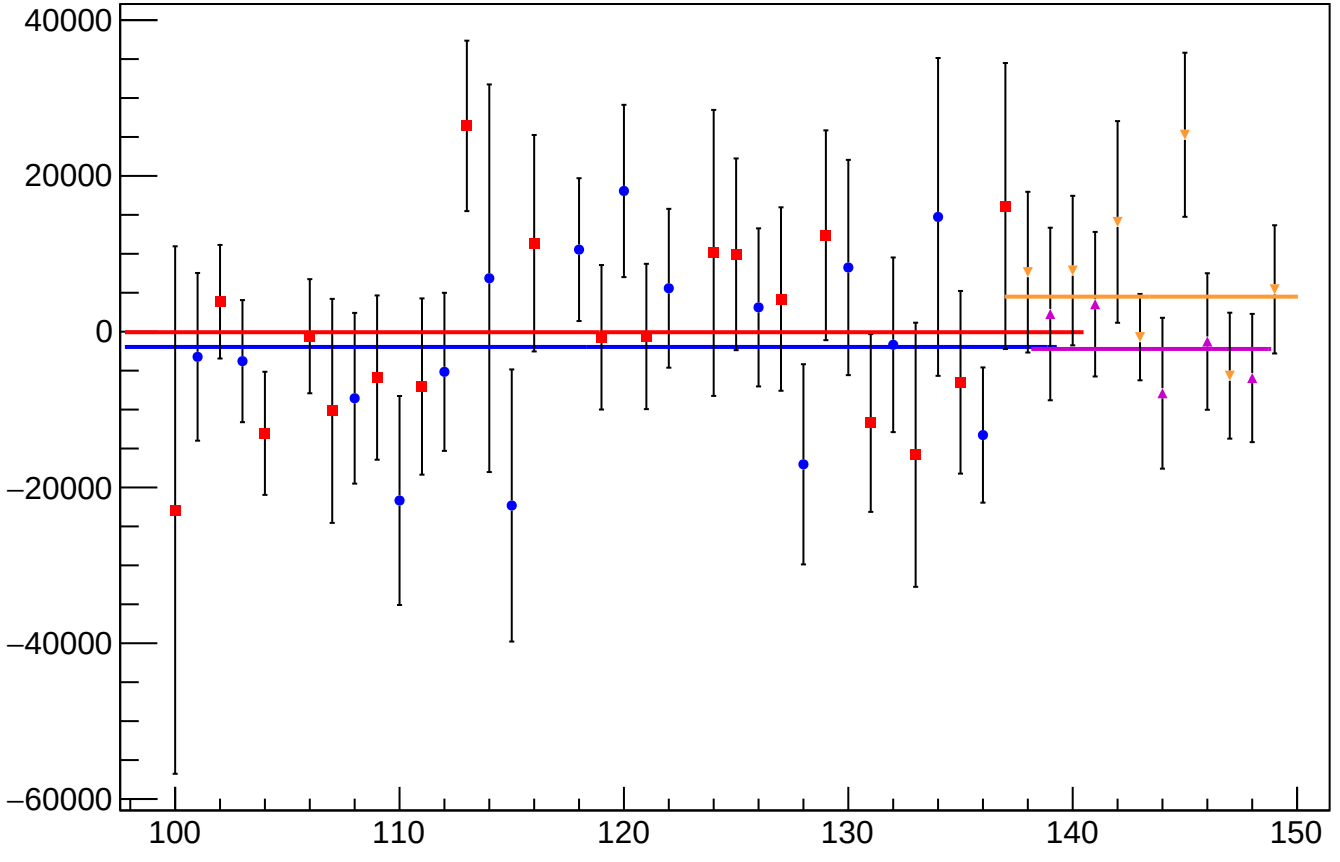
Left In: 2012.720+/-0.683 χ^2/NDF:45698.5/4

+ sign 1778.164+/-0.360 χ^2/NDF: 655025.0/22

All: 1784.770+/-0.260 χ^2/NDF: 1137358.6/46

- sign 1792.021+/-0.377 χ^2/NDF: 481625.4/23

asym_at2_avg_eigen_dit_correction_mean vs Slug



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Left Out: 4498.051+/-3197.326 χ^2/NDF:7.1/6

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+ sign 841.949+/-2105.728 χ^2/NDF: 23.8/22

All: 114.424+/-1507.554 χ^2/NDF: 41.5/46

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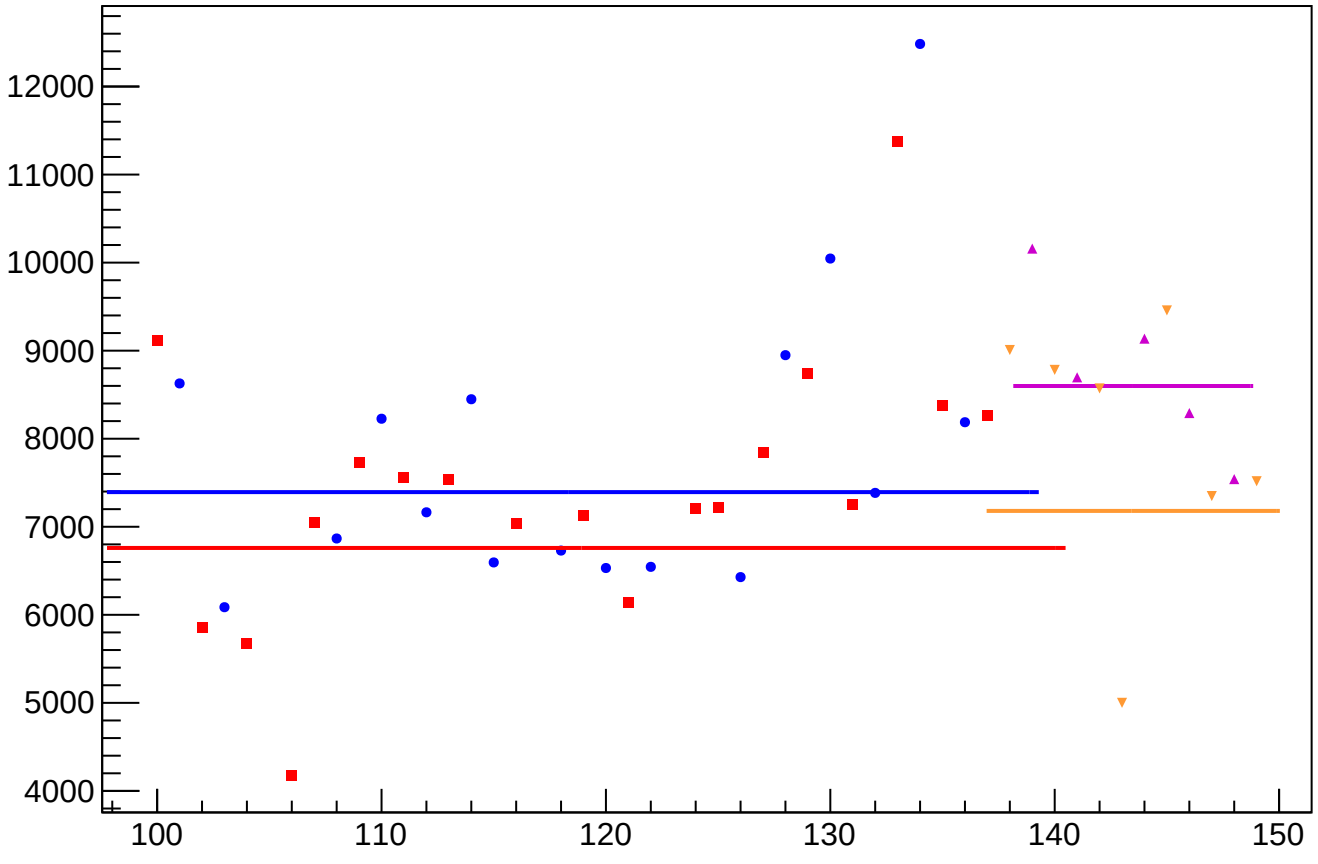


Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7180.084+/-2.261 χ^2/NDF:548398.4/6

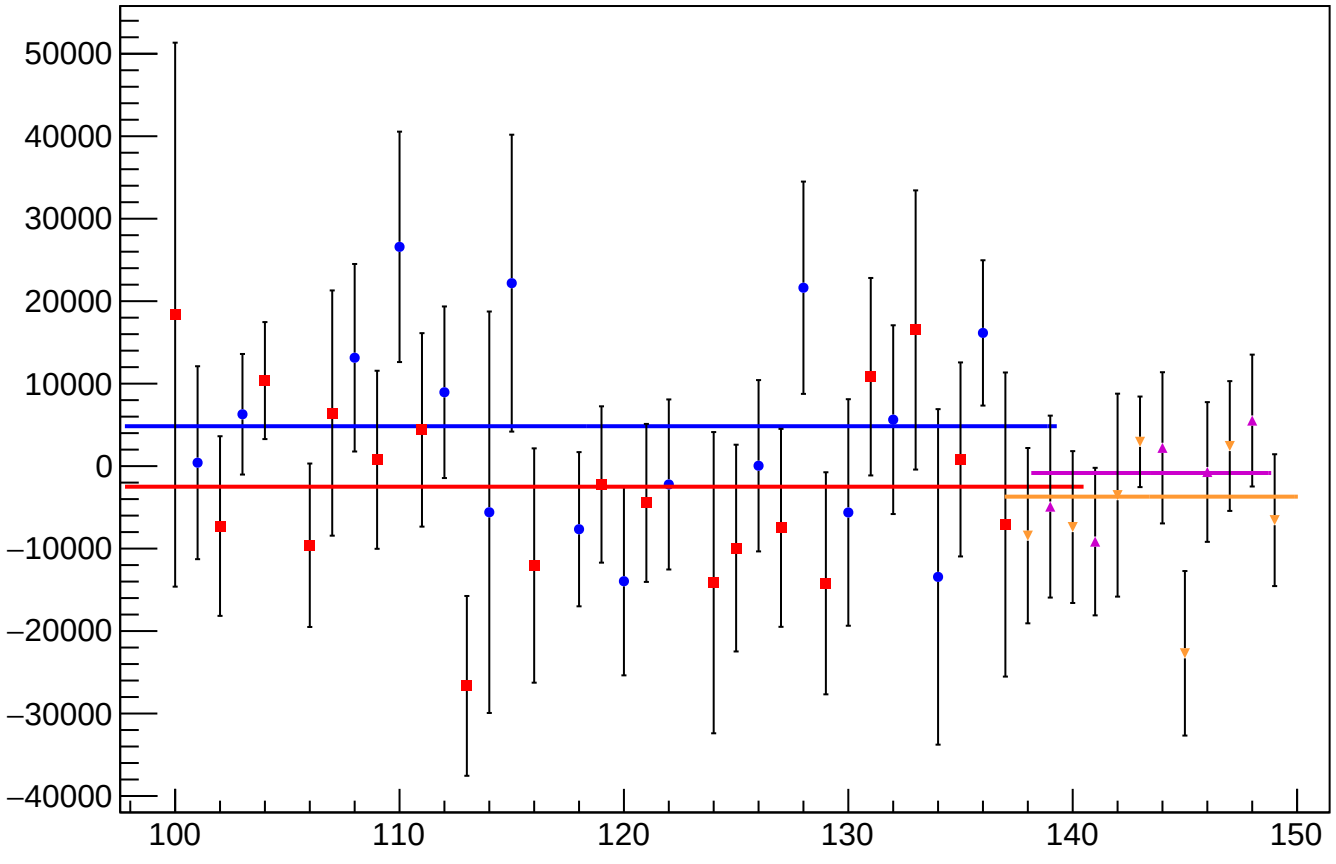
Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 8598.729+/-2.931 χ^2/NDF:81535.0/4

\+ sign 7300.992+/-1.489 χ^2/NDF: 955278.1/22

All: 7280.247+/-1.066 χ^2/NDF: 1968398.6/46

\- 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: -3702.649+/-3127.012 χ^2/NDF:6.2/6

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

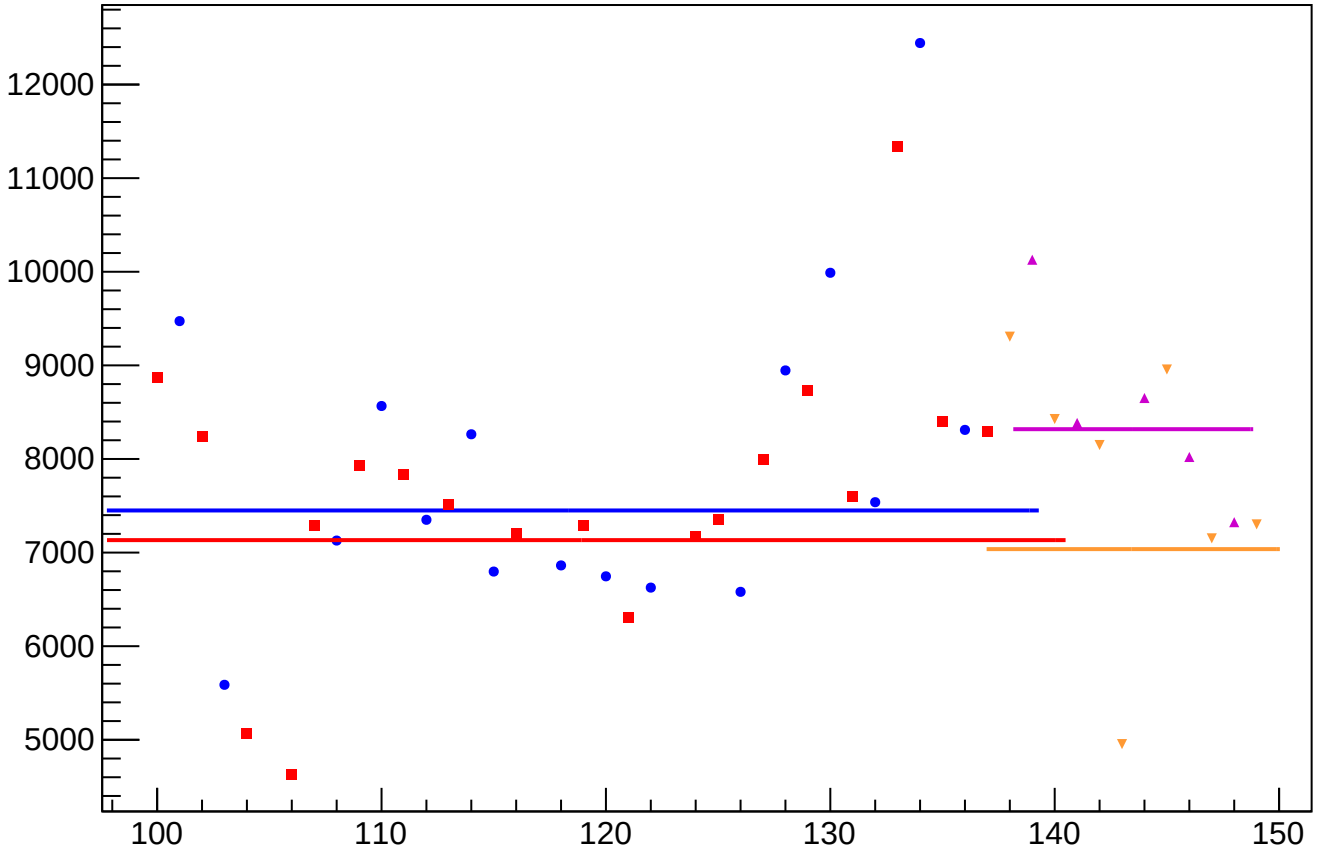
Left In: -833.952+/-4009.794 χ^2/NDF:1.7/4

+ sign 993.968+/-2097.838 χ^2/NDF: 24.6/22

All: -396.945+/-1530.245 χ^2/NDF: 42.3/46

- 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: 7037.078+/-2.211 χ^2/NDF:517515.0/6

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

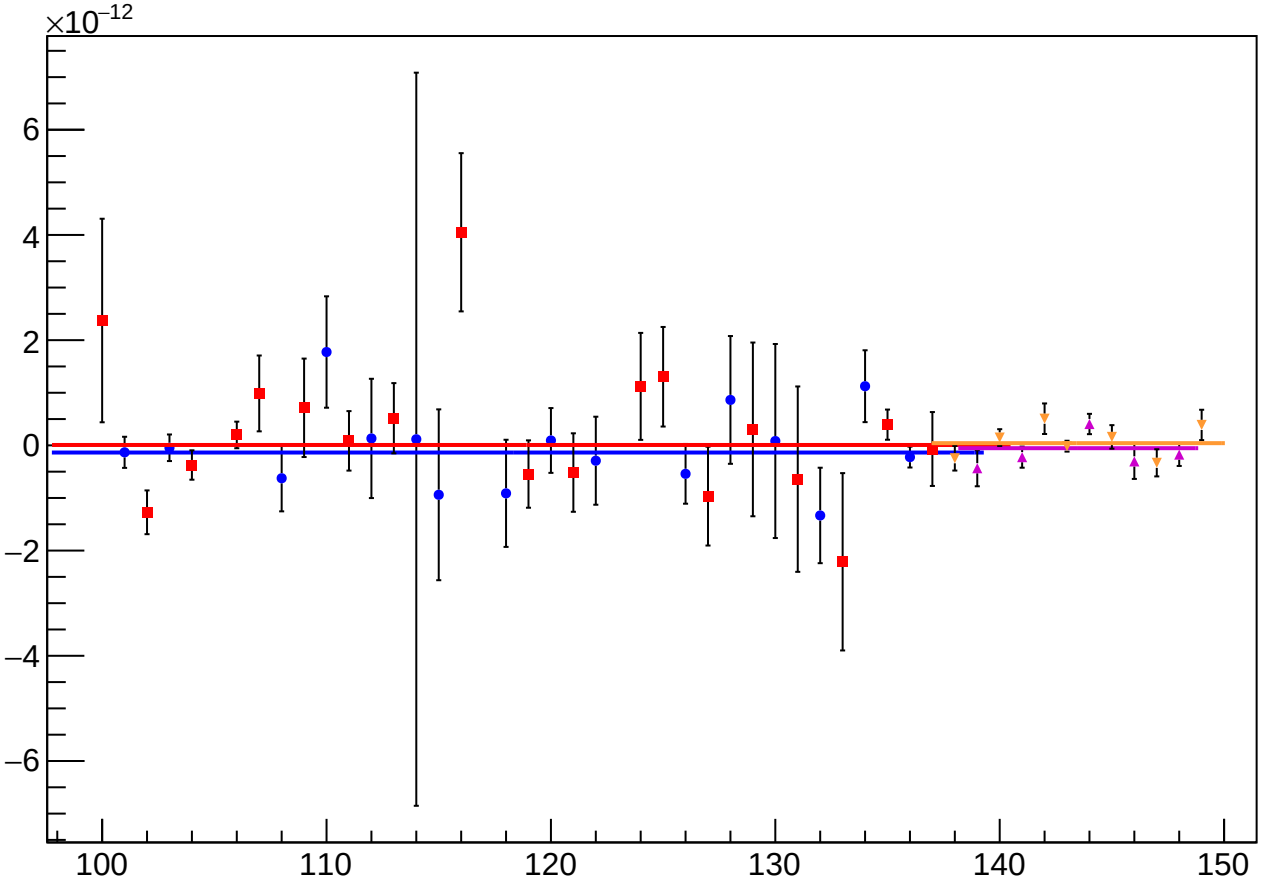
Left In: 8318.307+/-2.835 χ^2/NDF:89964.0/4

+ sign 7264.148+/-1.483 χ^2/NDF: 1023119.8/22

All: 7375.434+/-1.082 χ^2/NDF: 1802454.2/46

- 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:8.6/6

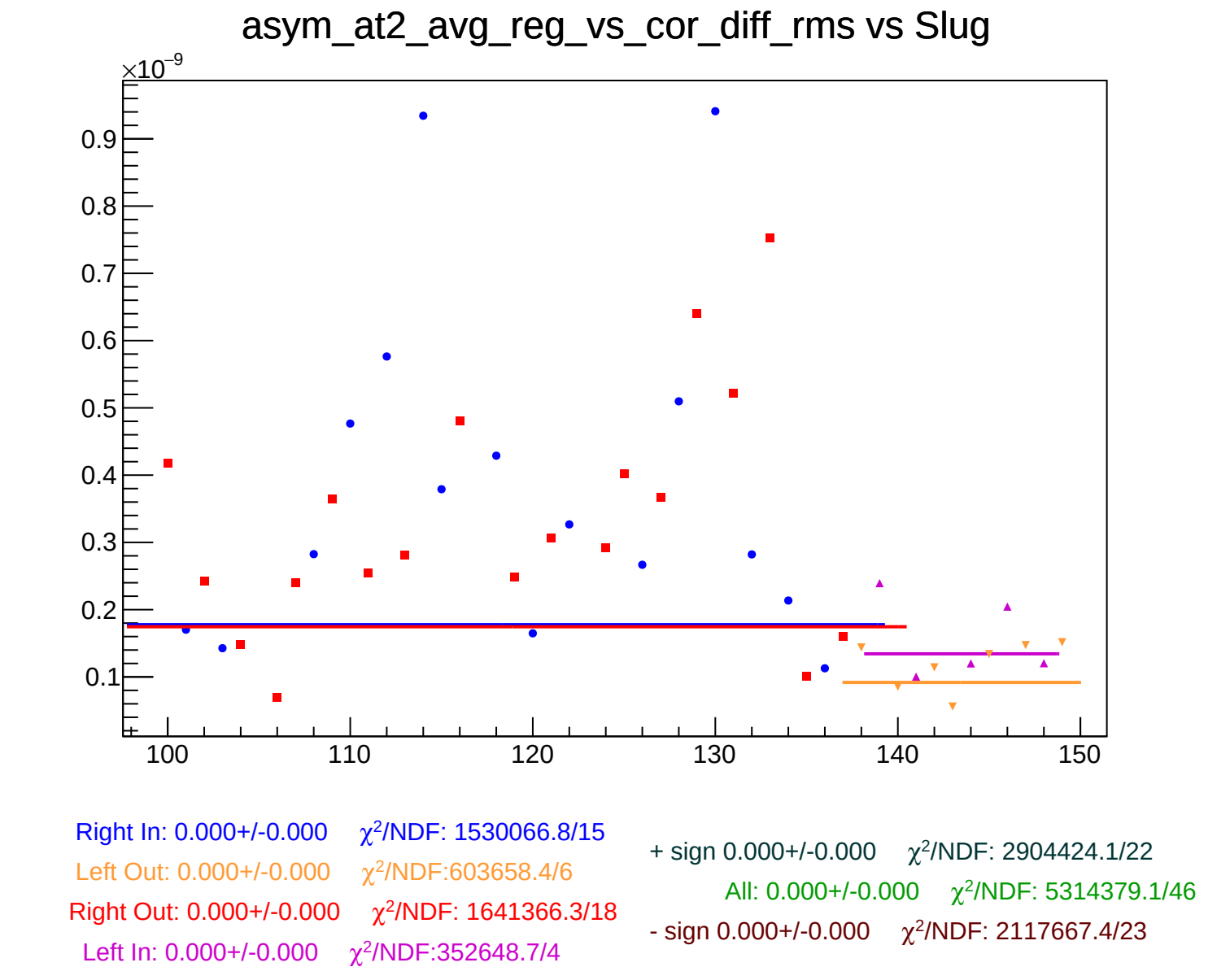
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/4

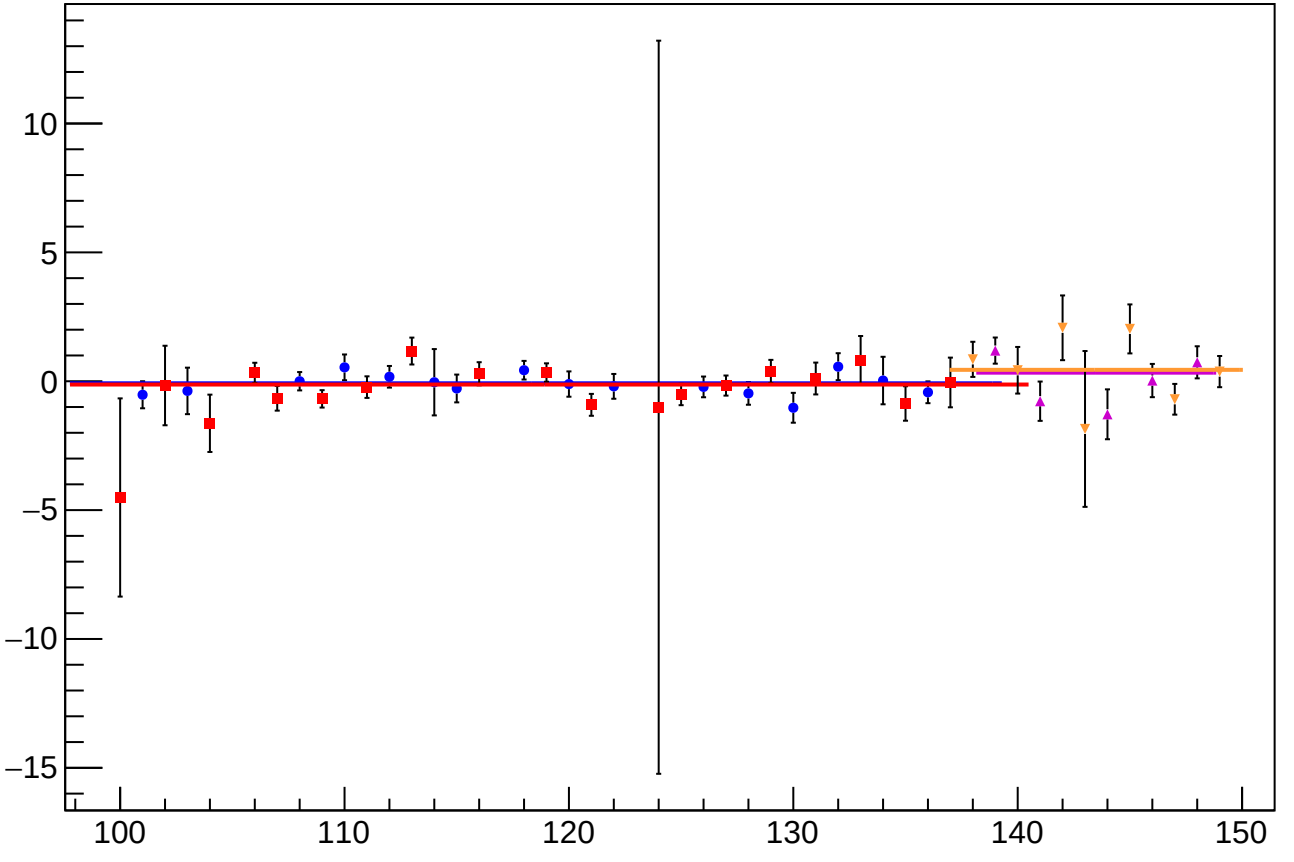
+ sign -0.000+/-0.000 χ^2/NDF: 21.9/22

All: -0.000+/-0.000 χ^2/NDF: 63.3/46

- sign -0.000+/-0.000 χ^2/NDF: 41.4/23


asym_at2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1530066.8/15
Left Out: 0.000+/-0.000 χ²/NDF:603658.4/6
Right Out: 0.000+/-0.000 χ²/NDF: 1641366.3/18
Left In: 0.000+/-0.000 χ²/NDF:352648.7/4
+ sign 0.000+/-0.000 χ²/NDF: 2904424.1/22
All: 0.000+/-0.000 χ²/NDF: 5314379.1/46
- sign 0.000+/-0.000 χ²/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: 0.442+/-0.305 χ^2/NDF:9.1/6

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

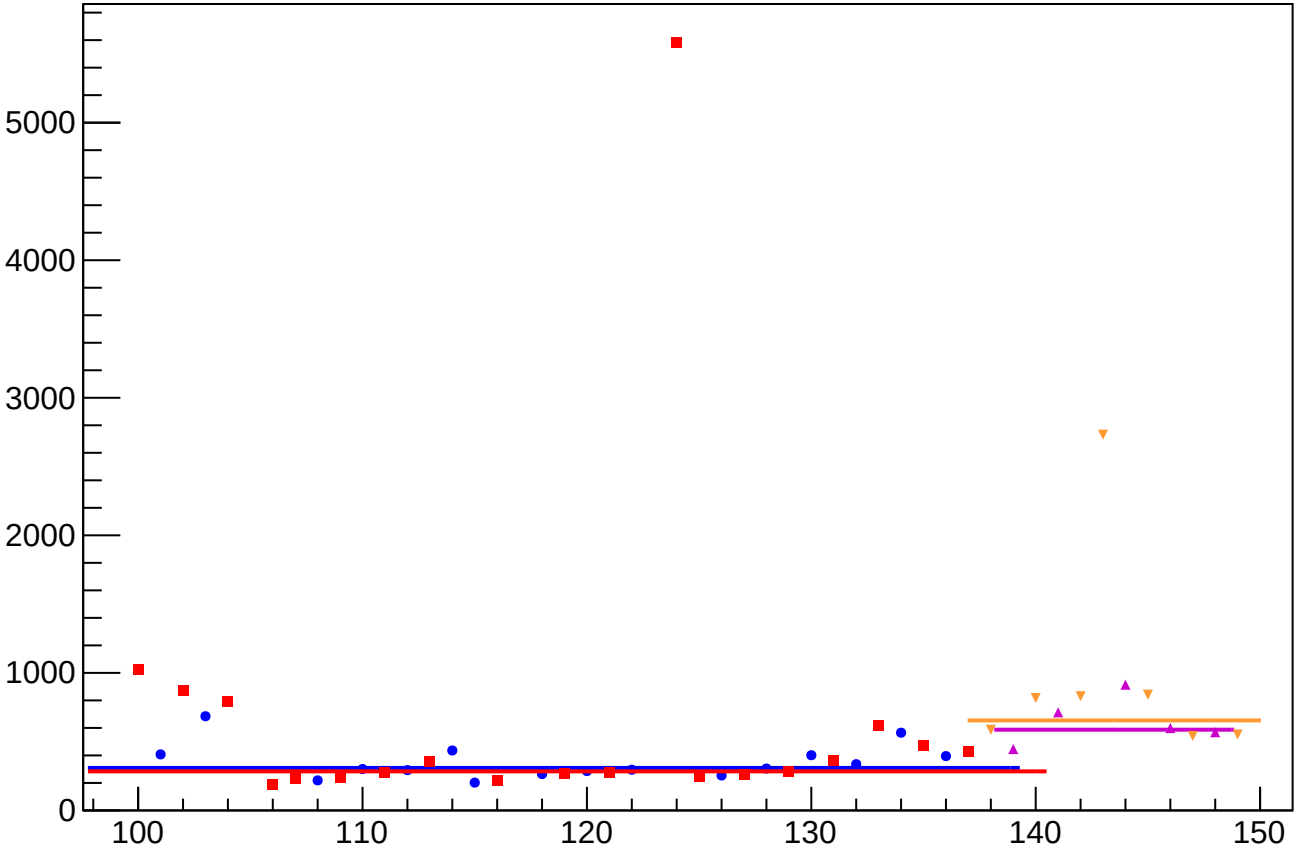
Left In: 0.333+/-0.293 χ^2/NDF:8.4/4

\+ sign -0.008+/-0.113 χ^2/NDF: 22.4/22

All: -0.037+/-0.078 χ^2/NDF: 58.3/46

\- 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: 654.639+/-0.215 χ^2/NDF:1274131.6/6

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

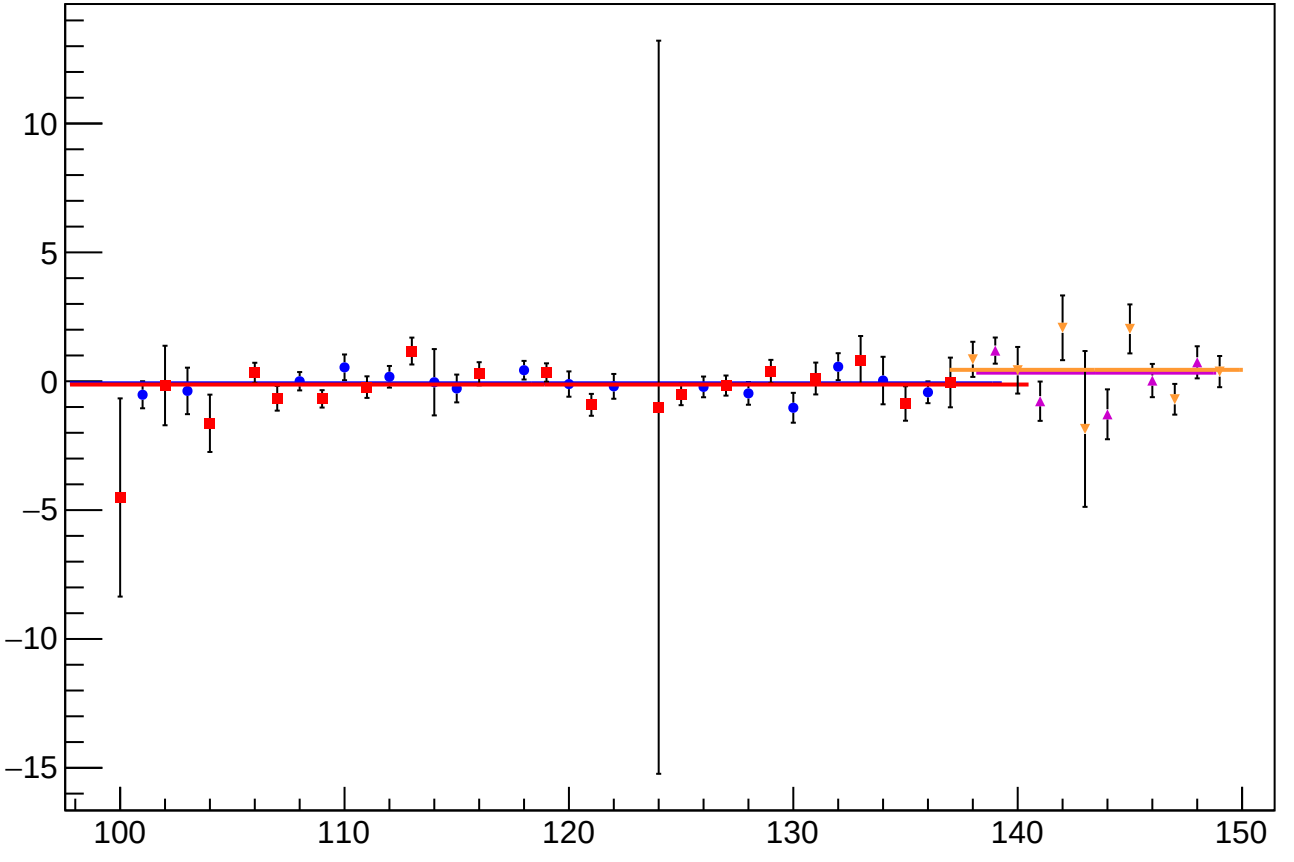
Left In: 587.140+/-0.207 χ^2/NDF:439738.7/4

+ sign 356.750+/-0.080 χ^2/NDF: 4506415.2/22

All: 340.649+/-0.055 χ^2/NDF: 8725987.5/46

- sign 325.822+/-0.077 χ^2/NDF: 4141779.6/23

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.442+/-0.305 χ^2/NDF:9.1/6

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

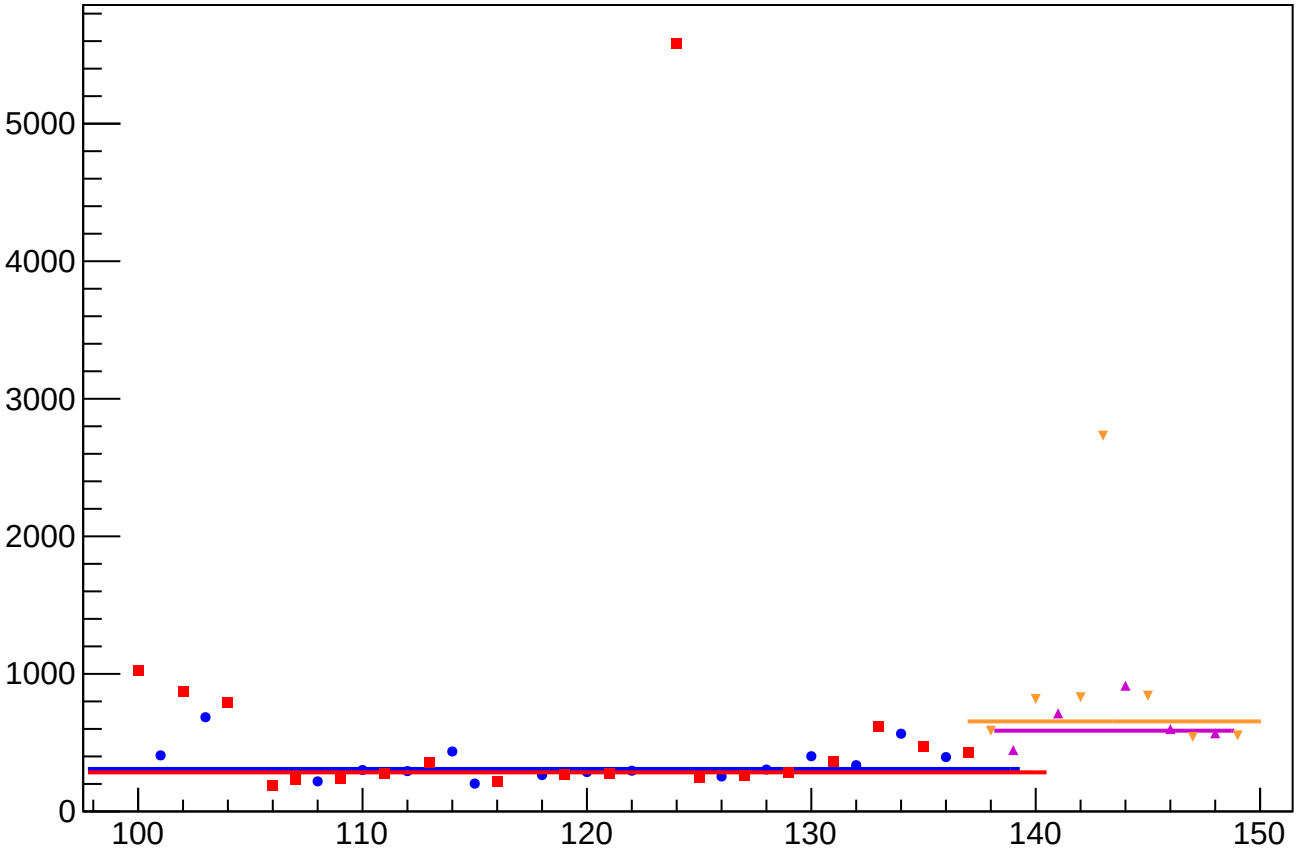
Left In: 0.333+/-0.293 χ^2/NDF:8.4/4

\+ sign -0.008+/-0.113 χ^2/NDF: 22.4/22

All: -0.037+/-0.078 χ^2/NDF: 58.3/46

\- 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: 654.639+/-0.215 χ^2/NDF:1274131.6/6

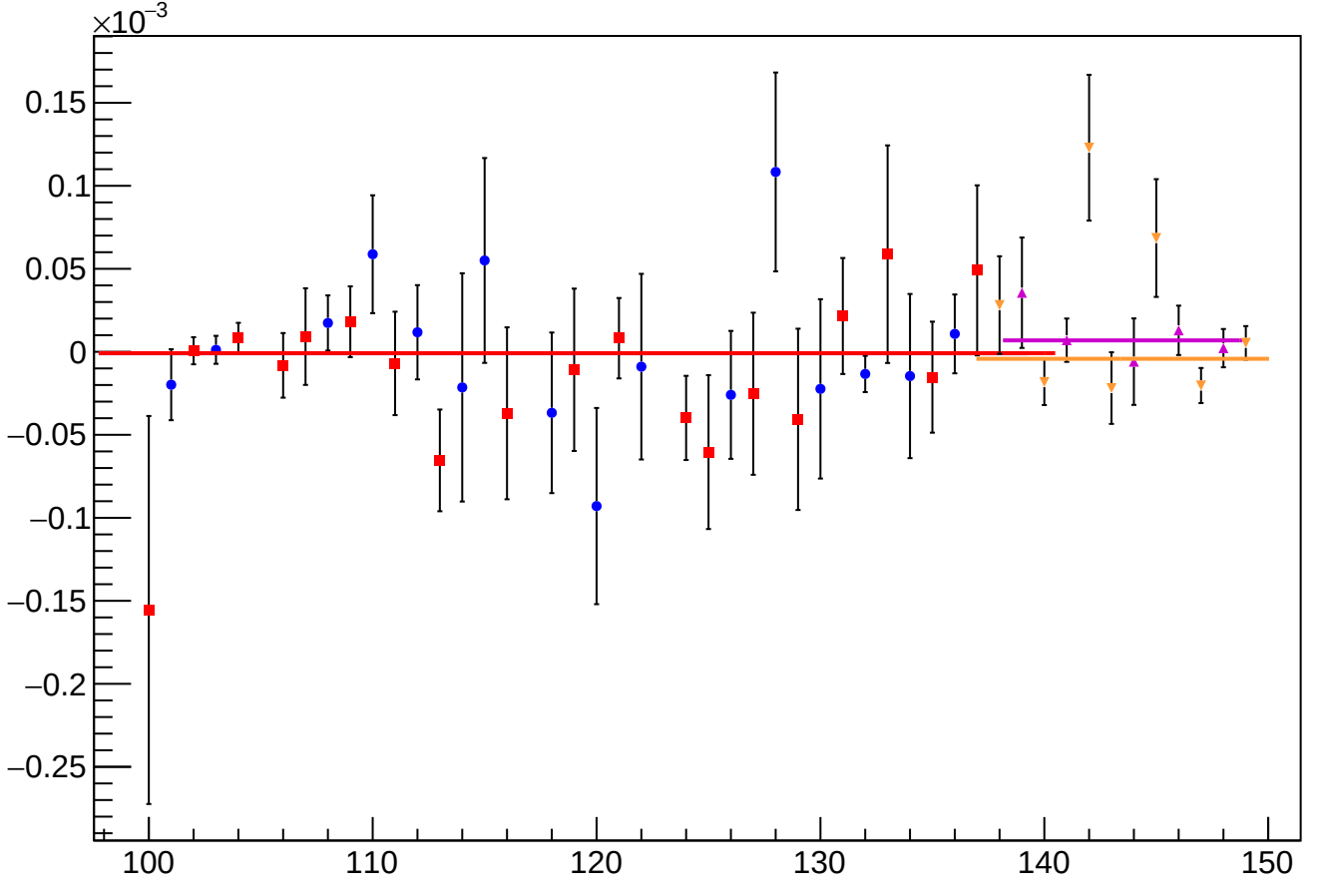
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 587.140+/-0.207 χ^2/NDF:439738.7/4

+ sign 356.750+/-0.080 χ^2/NDF: 4506415.2/22

All: 340.649+/-0.055 χ^2/NDF: 8725987.5/46

- 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:18.7/6

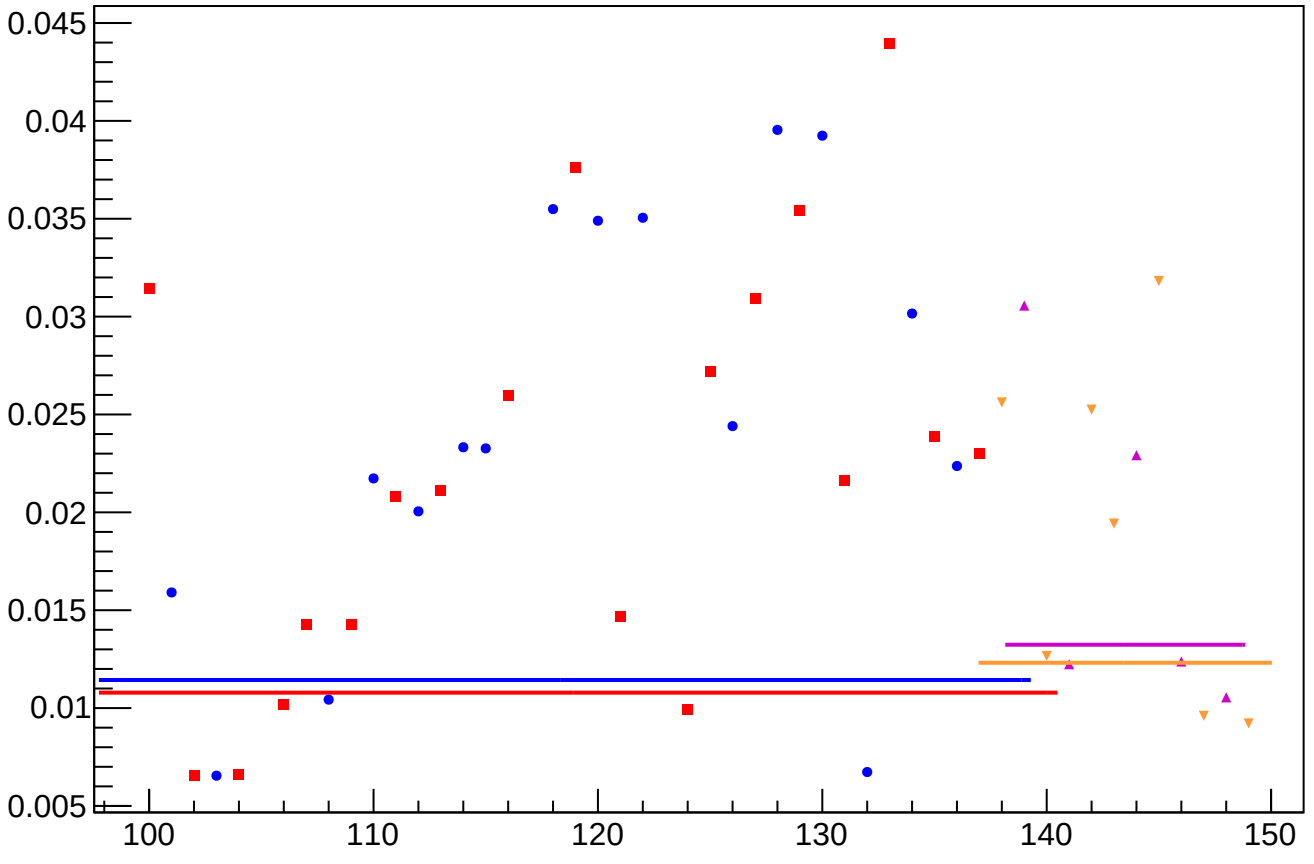
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 33.4/22

All: -0.000+/-0.000 χ^2/NDF: 52.2/46

- sign 0.000+/-0.000 χ^2/NDF: 18.3/23



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:1725750.0/6

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

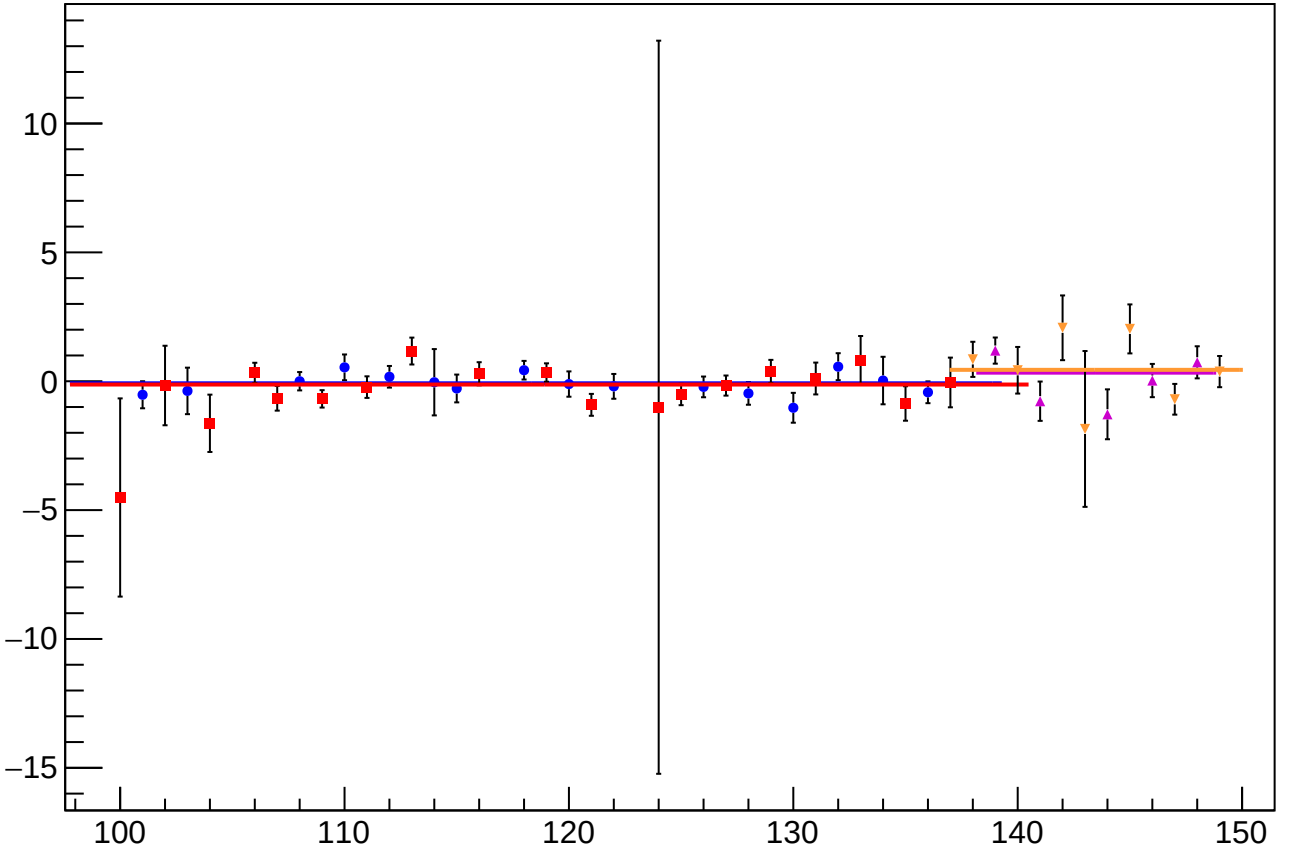
Left In: 0.013+/-0.000 χ^2/NDF:946180.4/4

+ sign 0.012+/-0.000 χ^2/NDF: 6450239.1/22

All: 0.012+/-0.000 χ^2/NDF: 12038792.8/46

- 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: 0.442+/-0.305 χ^2/NDF:9.1/6

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

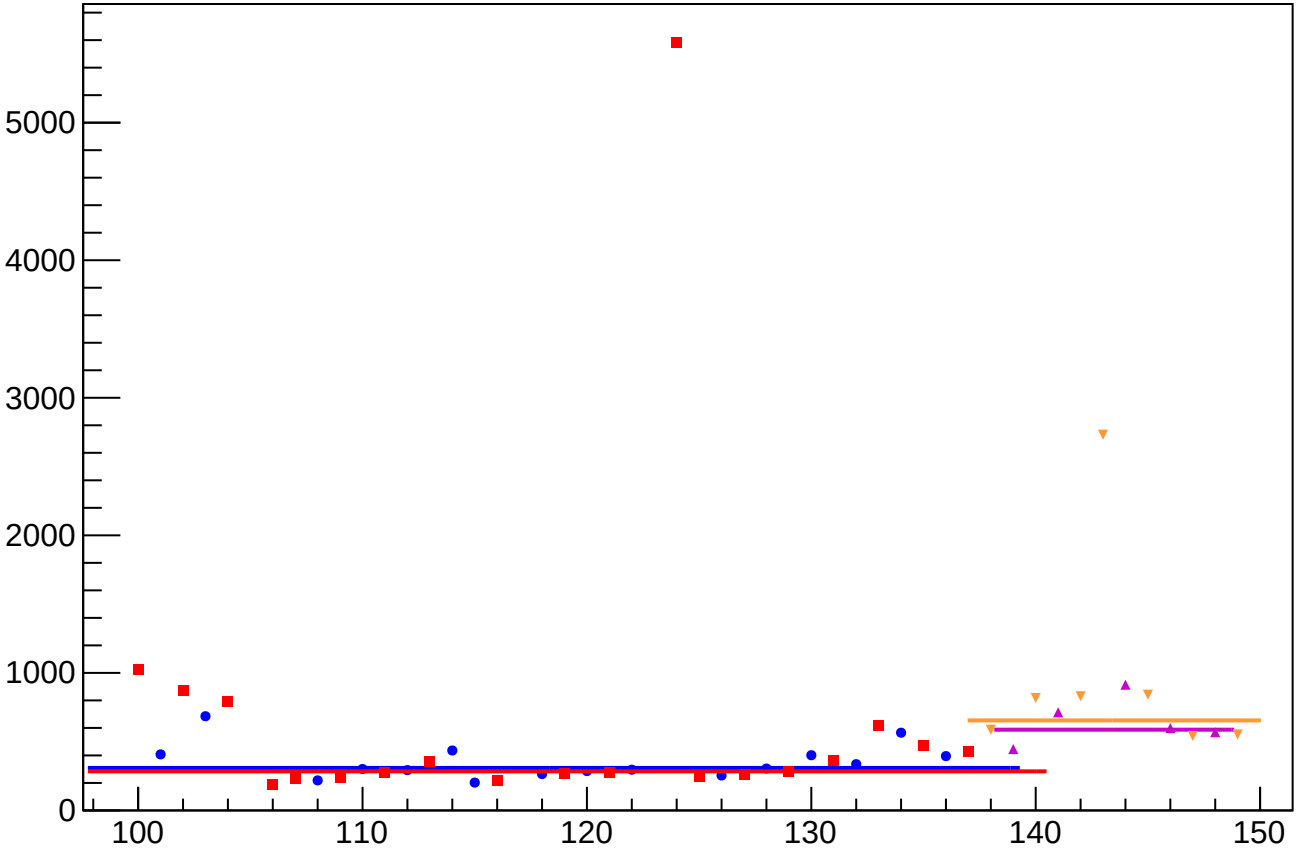
Left In: 0.333+/-0.293 χ^2/NDF:8.4/4

\+ sign -0.008+/-0.113 χ^2/NDF: 22.4/22

All: -0.037+/-0.078 χ^2/NDF: 58.3/46

\- 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: 654.646+/-0.215 χ^2/NDF:1274130.7/6

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

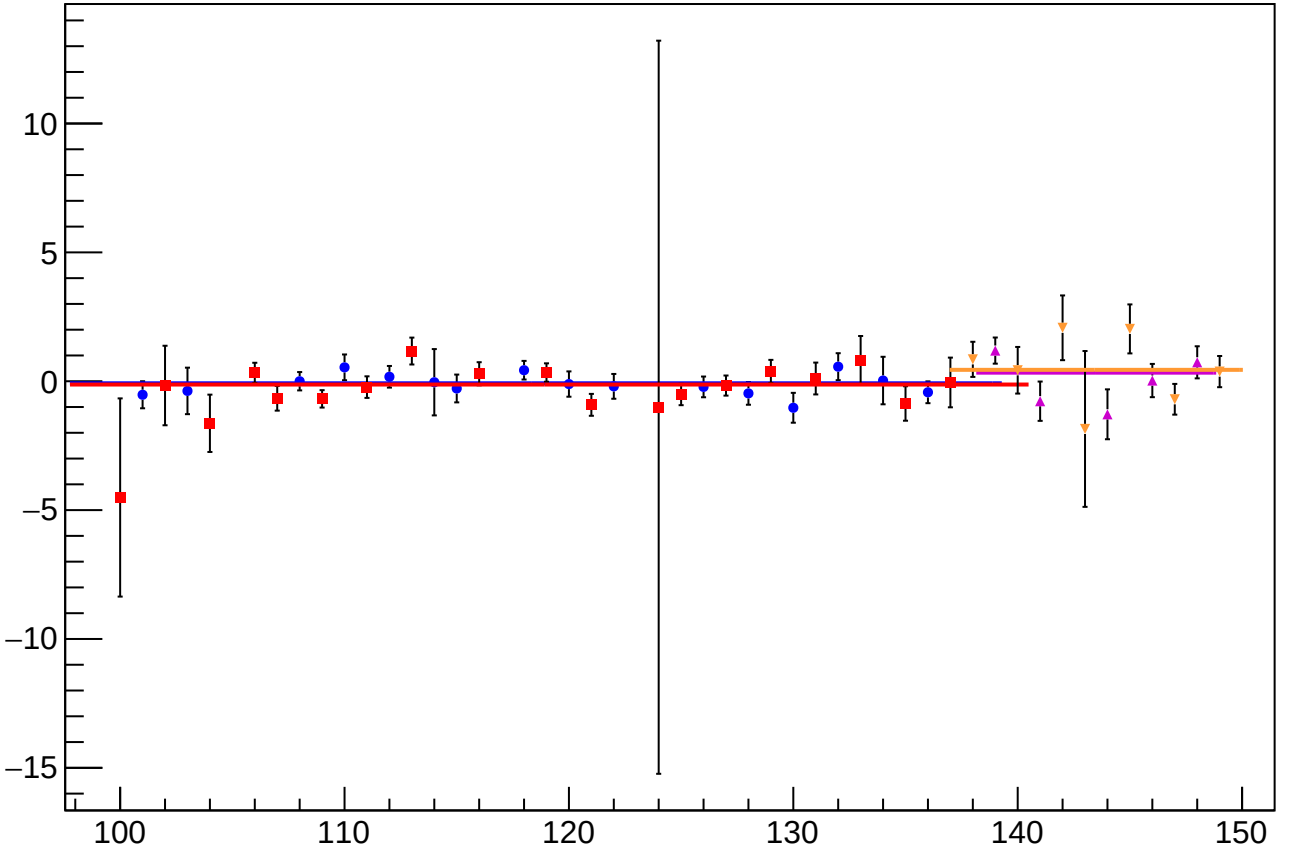
Left In: 587.149+/-0.207 χ^2/NDF:439722.5/4

+ sign 356.750+/-0.080 χ^2/NDF: 4506443.5/22

All: 340.648+/-0.055 χ^2/NDF: 8726054.0/46

- sign 325.821+/-0.077 χ^2/NDF: 4141818.8/23

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.442+/-0.305 χ^2/NDF:9.1/6

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

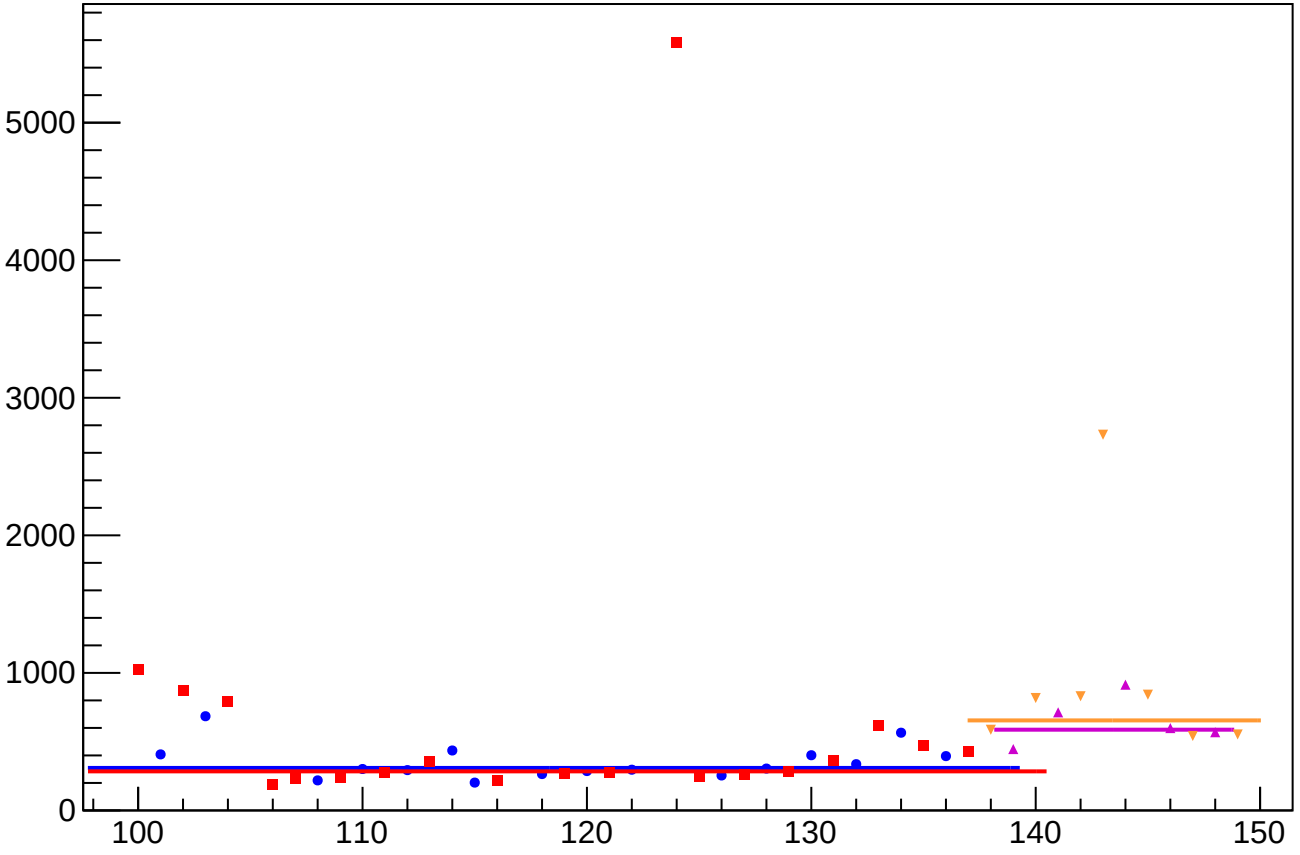
Left In: 0.333+/-0.293 χ^2/NDF:8.4/4

\+ sign -0.008+/-0.113 χ^2/NDF: 22.4/22

All: -0.037+/-0.078 χ^2/NDF: 58.3/46

\- sign -0.064+/-0.109 χ^2/NDF: 35.8/23

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 654.646+/-0.215 χ^2/NDF:1274130.7/6

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

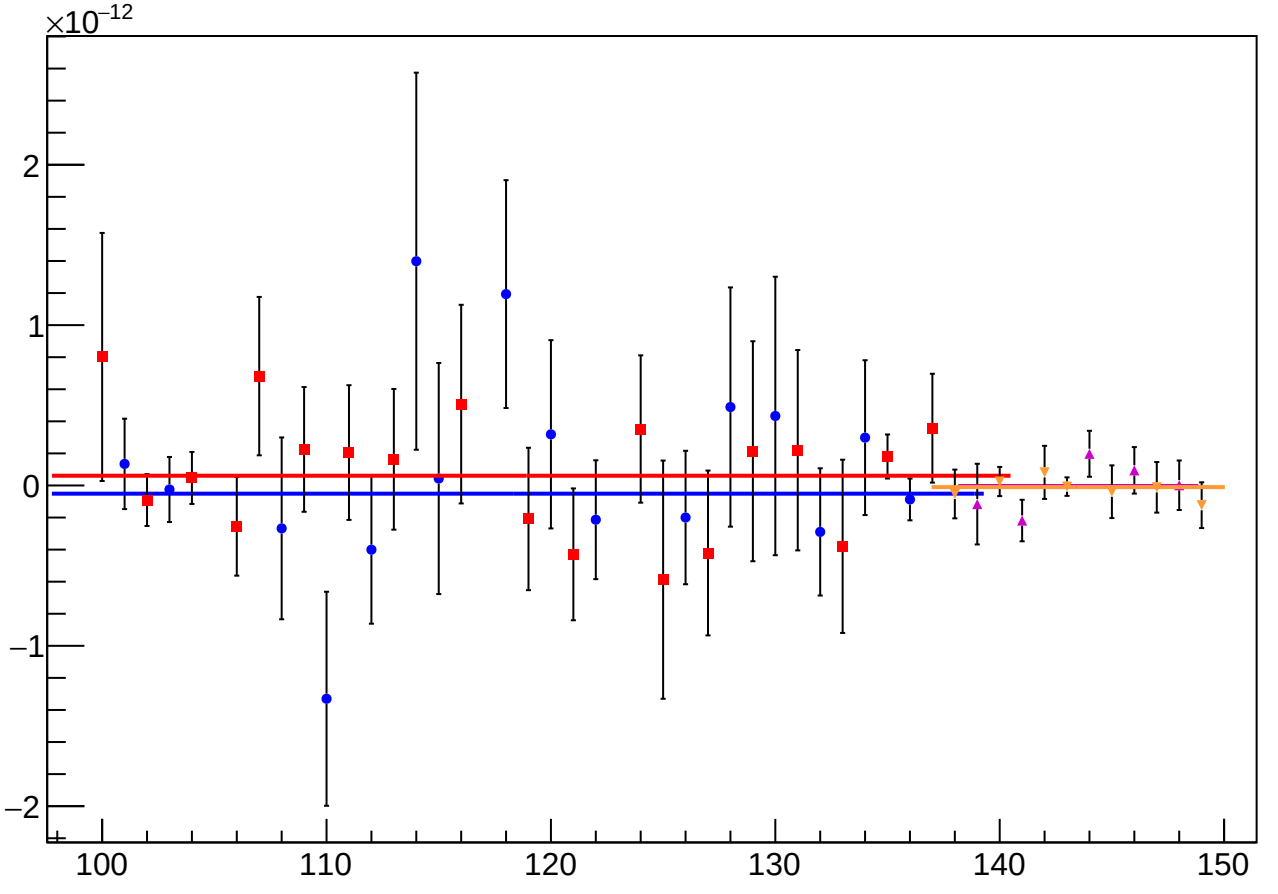
Left In: 587.149+/-0.207 χ^2/NDF:439722.5/4

+ sign 356.750+/-0.080 χ^2/NDF: 4506443.5/22

All: 340.648+/-0.055 χ^2/NDF: 8726054.0/46

- sign 325.821+/-0.077 χ^2/NDF: 4141818.8/23

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/6

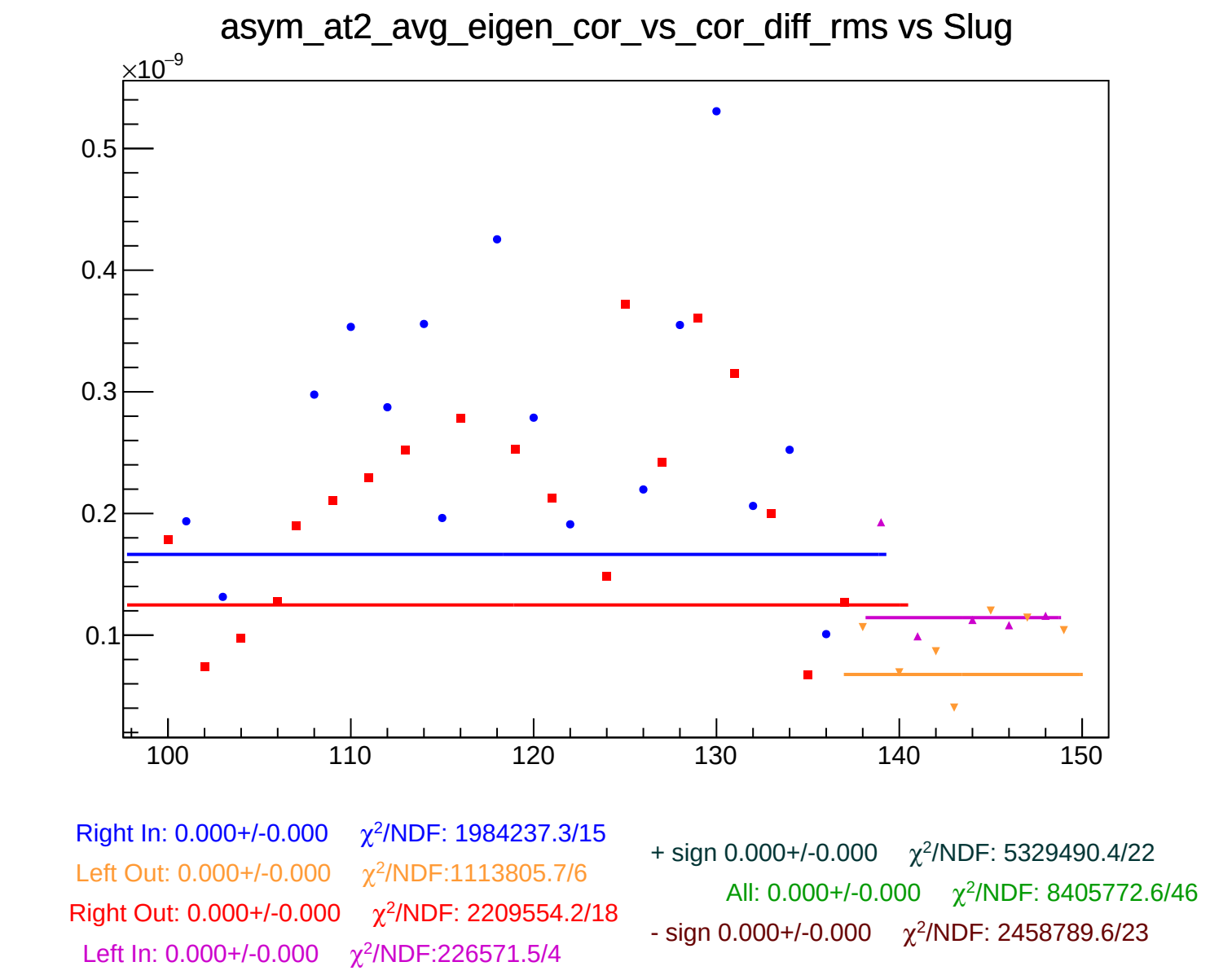
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/4

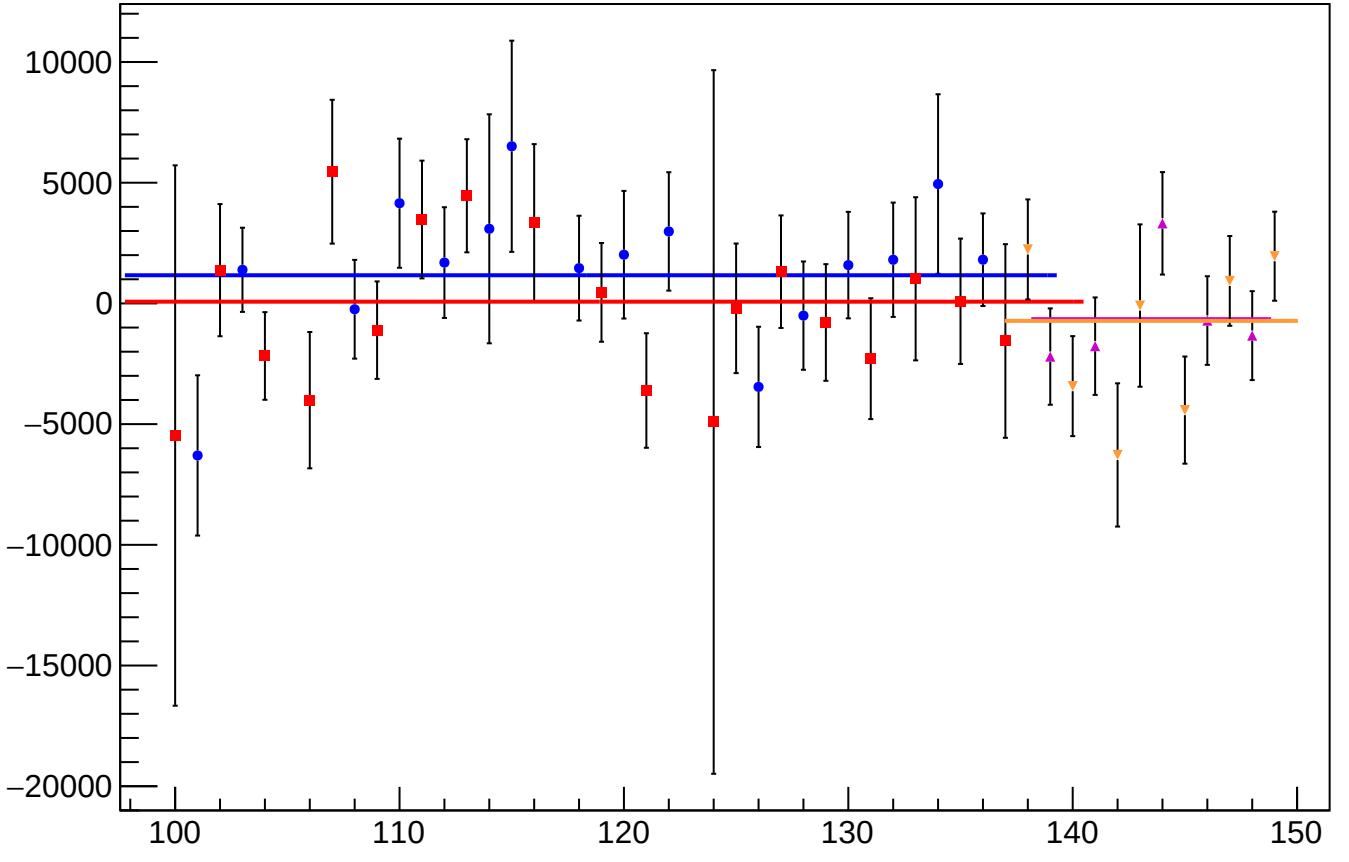
+ sign -0.000+/-0.000 χ^2/NDF: 13.3/22

All: -0.000+/-0.000 χ^2/NDF: 31.2/46

- 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:1113805.7/6
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: 5329490.4/22
All: 0.000+/-0.000 χ²/NDF: 8405772.6/46
- 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: -722.455+/-829.094 χ^2/NDF:13.0/6

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

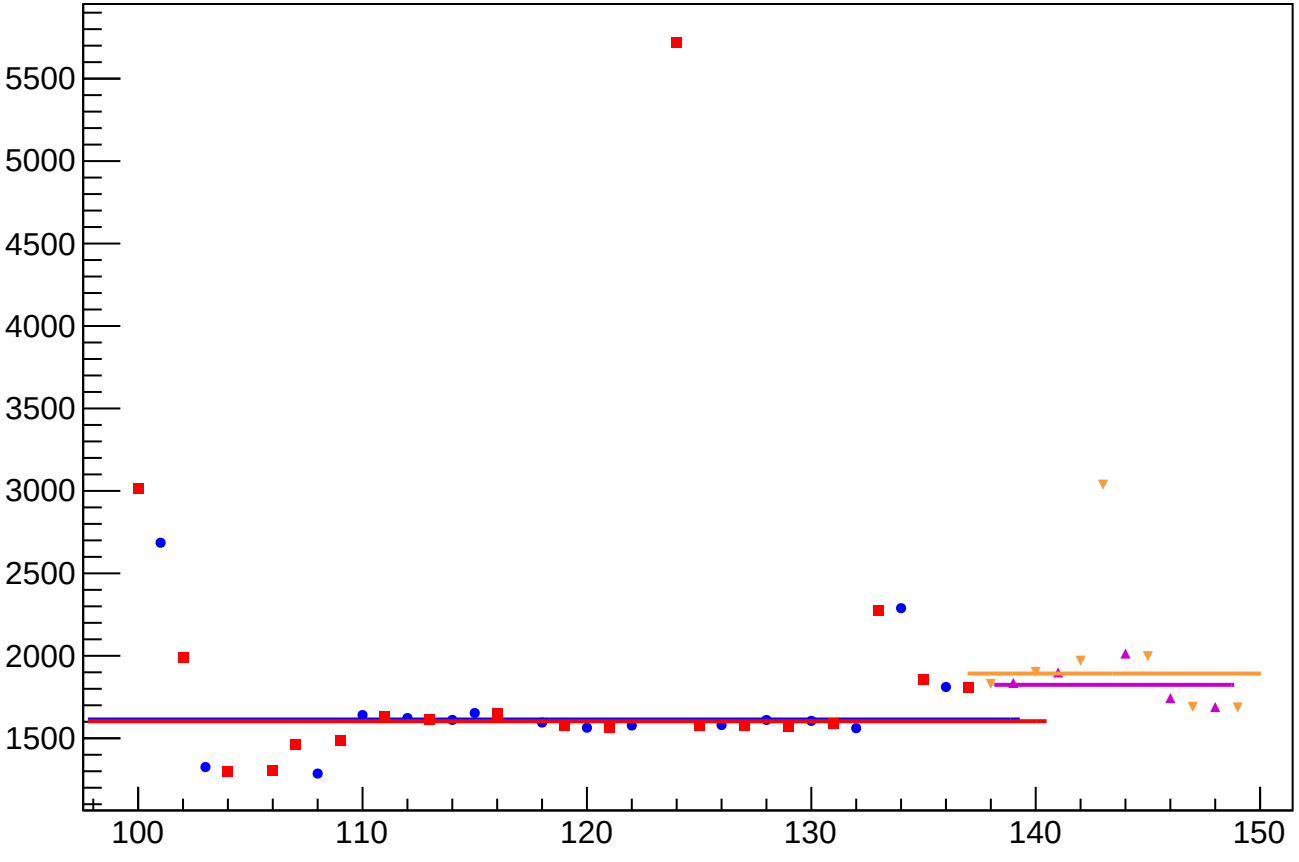
Left In: -652.379+/-873.872 χ^2/NDF:4.5/4

+ sign 504.496+/-490.909 χ^2/NDF: 30.8/22

All: 175.167+/-349.089 χ^2/NDF: 55.0/46

- 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: 1892.491+/-0.586 χ^2/NDF:288335.3/6

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

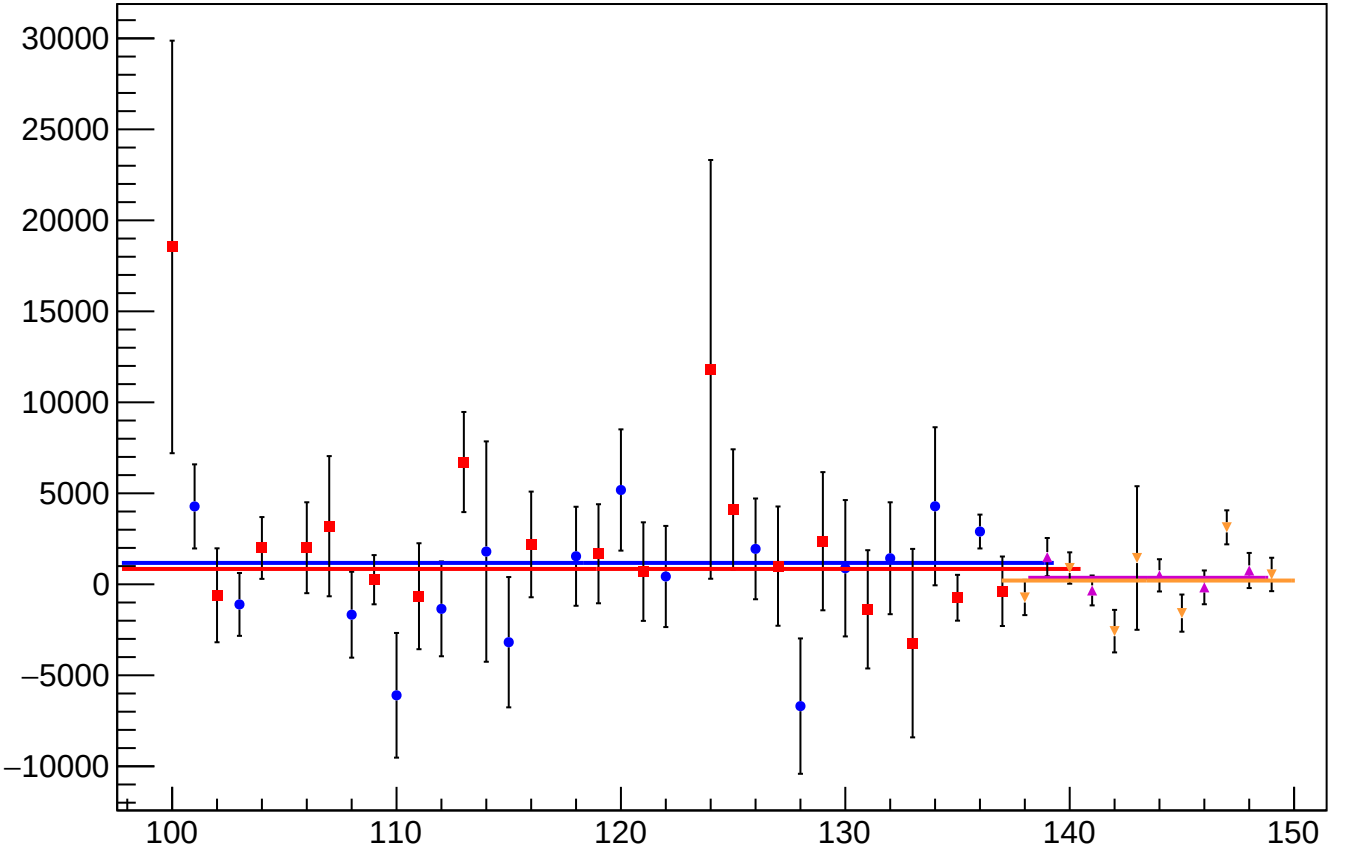
Left In: 1824.093+/-0.618 χ^2/NDF:33335.9/4

+ sign 1711.423+/-0.347 χ^2/NDF: 839910.9/22

All: 1693.264+/-0.247 χ^2/NDF: 1390906.2/46

- 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: 206.941+/-392.131 χ^2/NDF:20.3/6

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

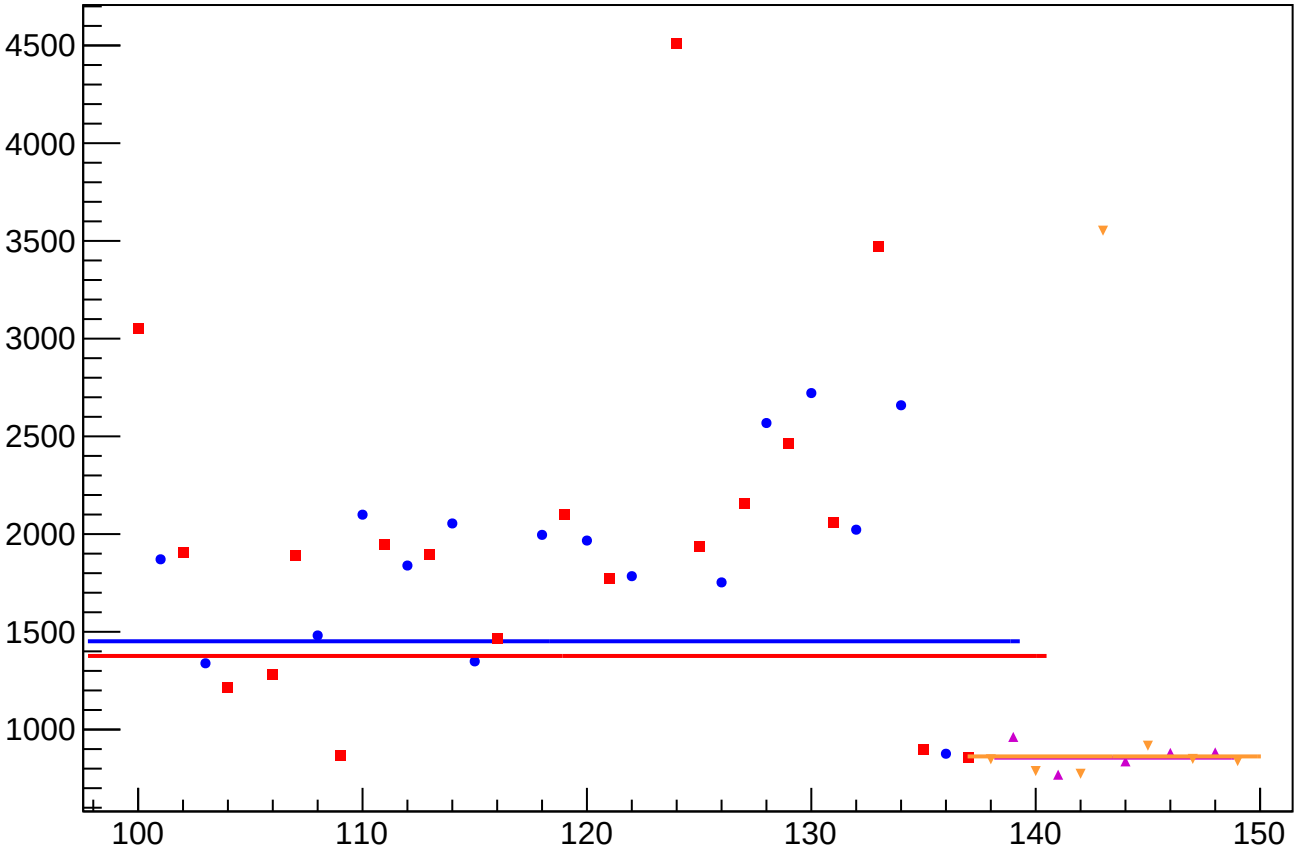
Left In: 356.452+/-411.768 χ^2/NDF:2.4/4

+ sign 511.449+/-324.688 χ^2/NDF: 44.2/22

All: 519.813+/-231.859 χ^2/NDF: 61.4/46

- 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: 862.490+/-0.277 χ^2/NDF:964351.0/6

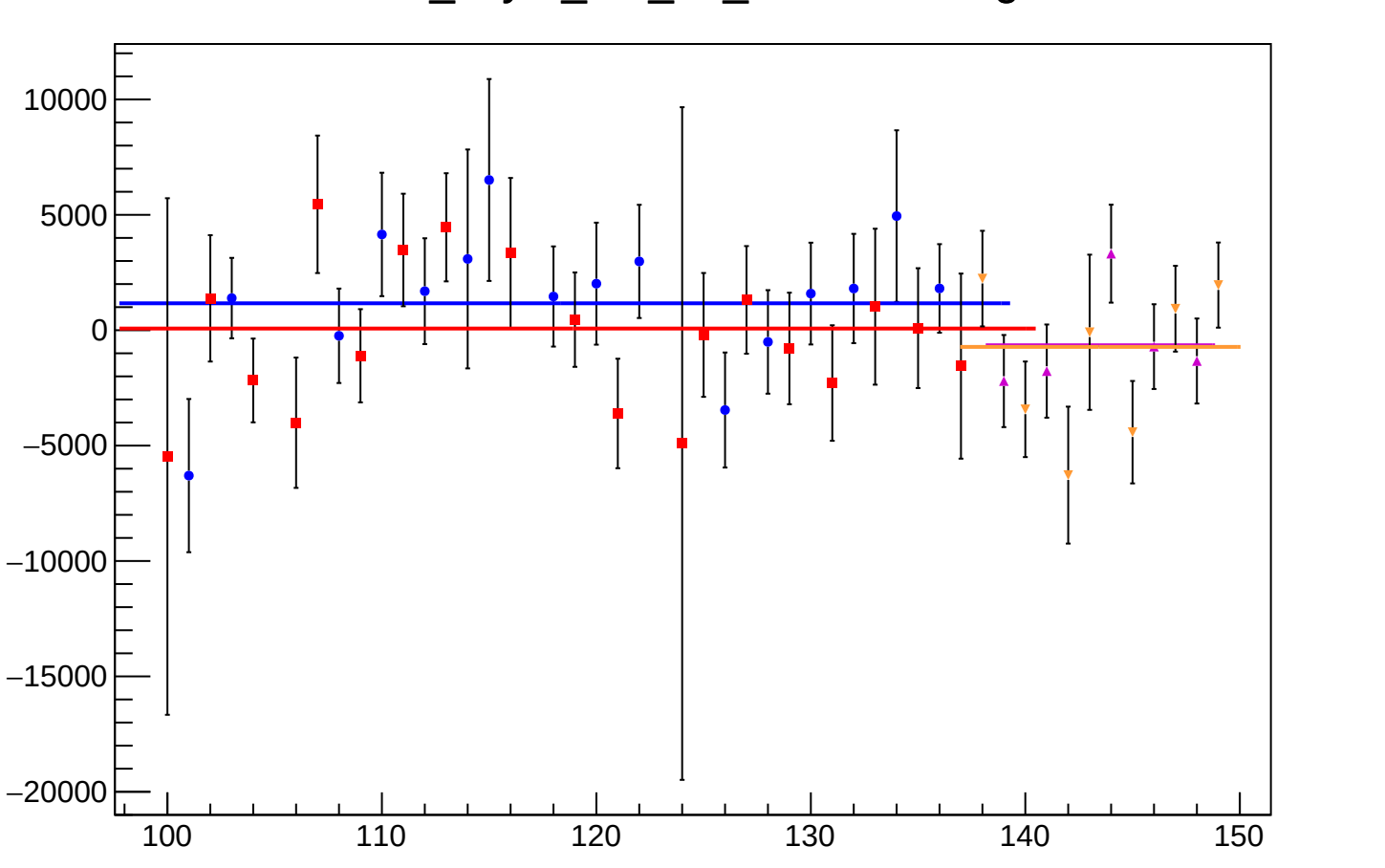
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 856.163+/-0.291 χ^2/NDF:46833.3/4

+ sign 1047.716+/-0.230 χ^2/NDF: 4174539.1/22

All: 1043.857+/-0.164 χ^2/NDF: 7481314.6/46

- sign 1039.843+/-0.234 χ^2/NDF: 3306199.2/23



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -722.526+/-829.094 χ^2/NDF:13.0/6

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

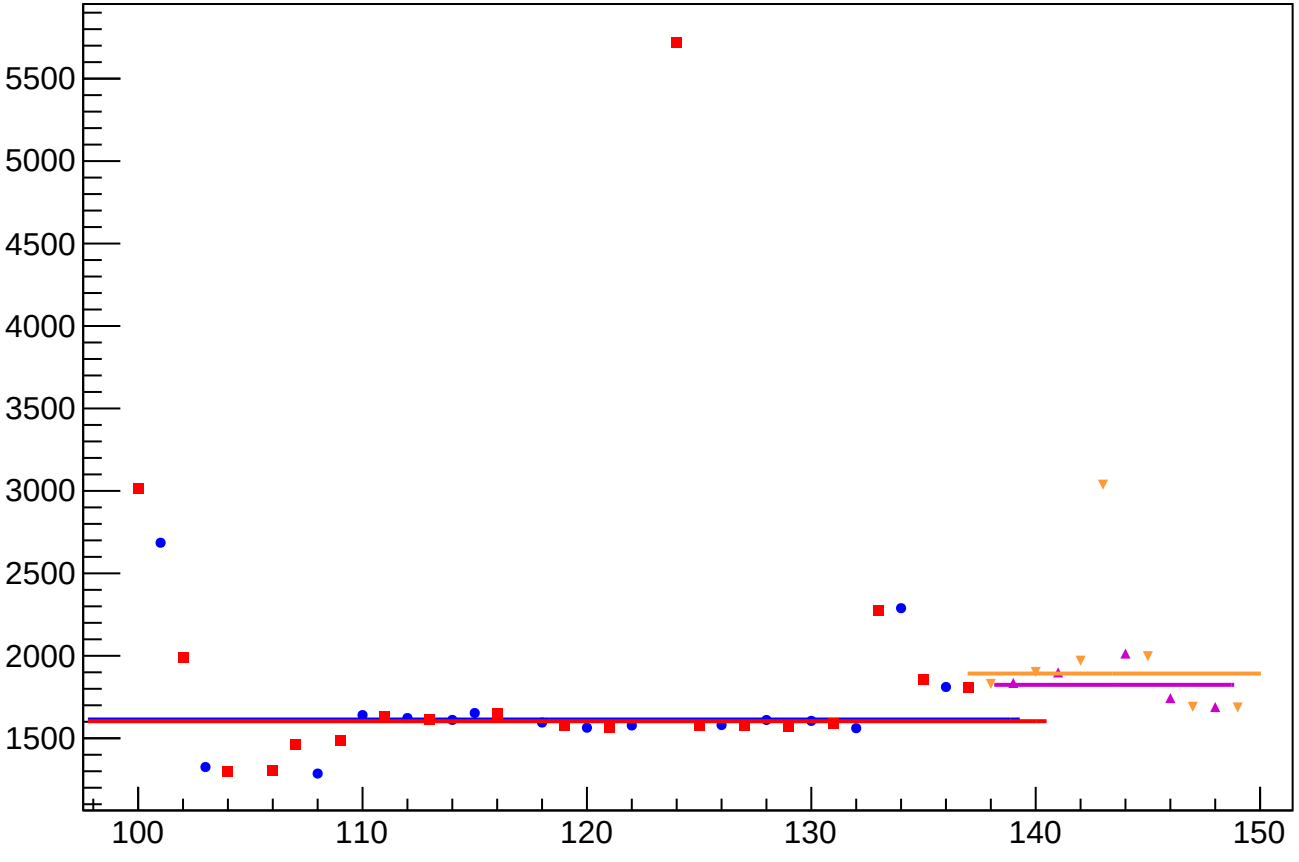
Left In: -652.567+/-873.872 χ^2/NDF:4.5/4

+ sign 504.411+/-490.909 χ^2/NDF: 30.8/22

All: 175.200+/-349.089 χ^2/NDF: 55.0/46

- 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: 1892.491+/-0.586 χ^2/NDF:288335.3/6

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

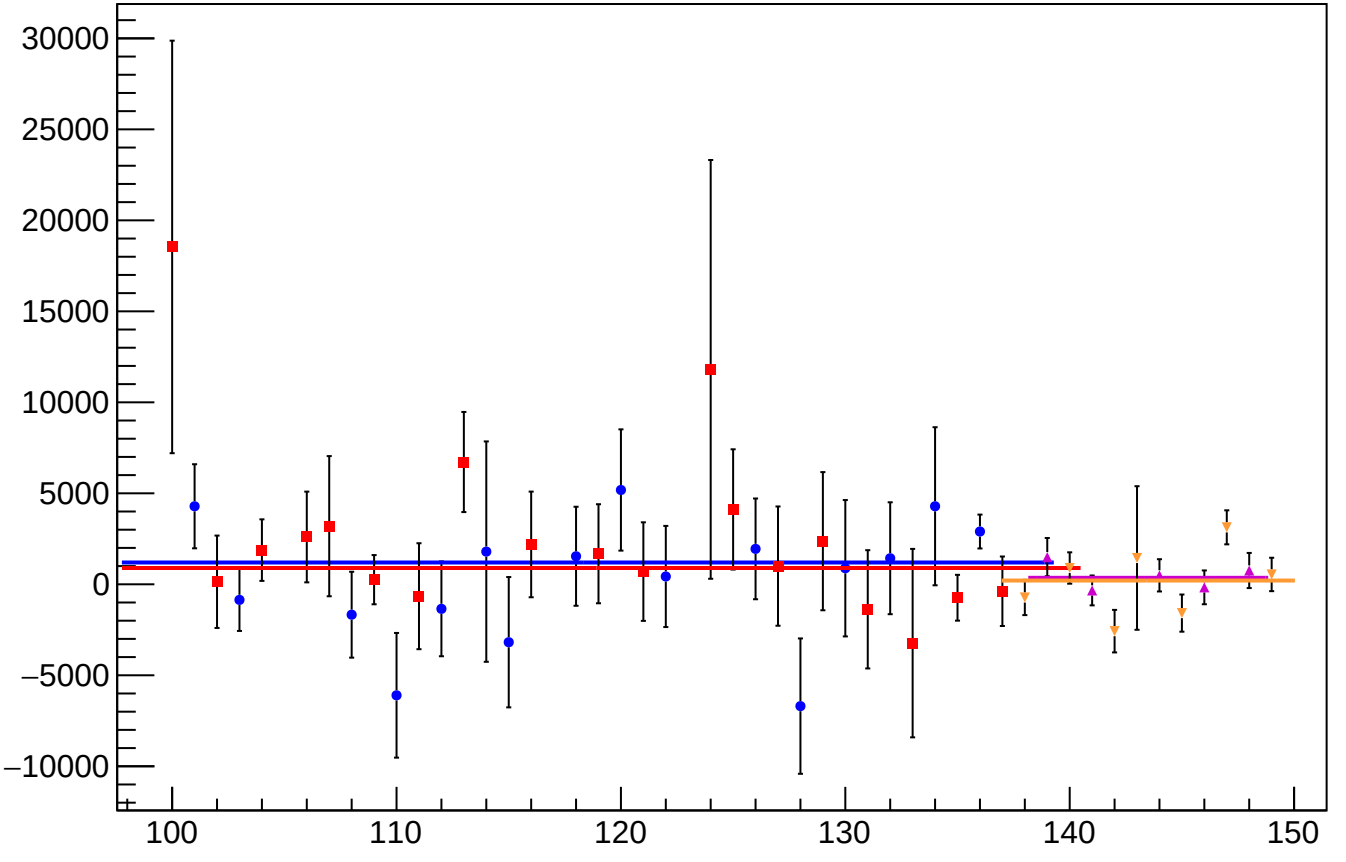
Left In: 1824.093+/-0.618 χ^2/NDF:33335.9/4

+ sign 1711.423+/-0.347 χ^2/NDF: 839911.3/22

All: 1693.264+/-0.247 χ^2/NDF: 1390906.7/46

- 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: 206.983+/-392.140 χ^2/NDF:20.3/6

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

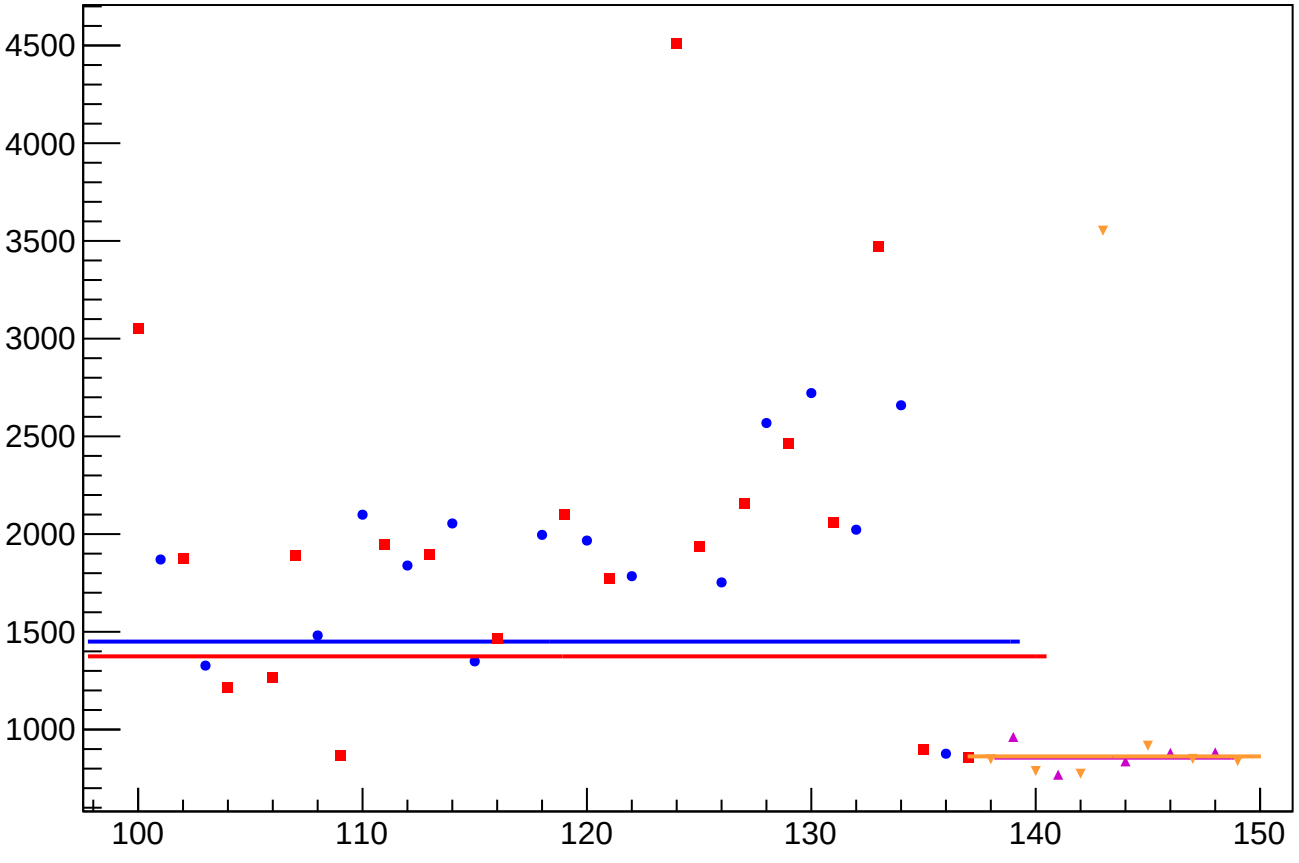
Left In: 356.459+/-411.765 χ^2/NDF:2.4/4

+ sign 519.282+/-324.548 χ^2/NDF: 44.0/22

All: 532.905+/-231.752 χ^2/NDF: 61.2/46

- 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: 862.512+/-0.277 χ^2/NDF:964318.9/6

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

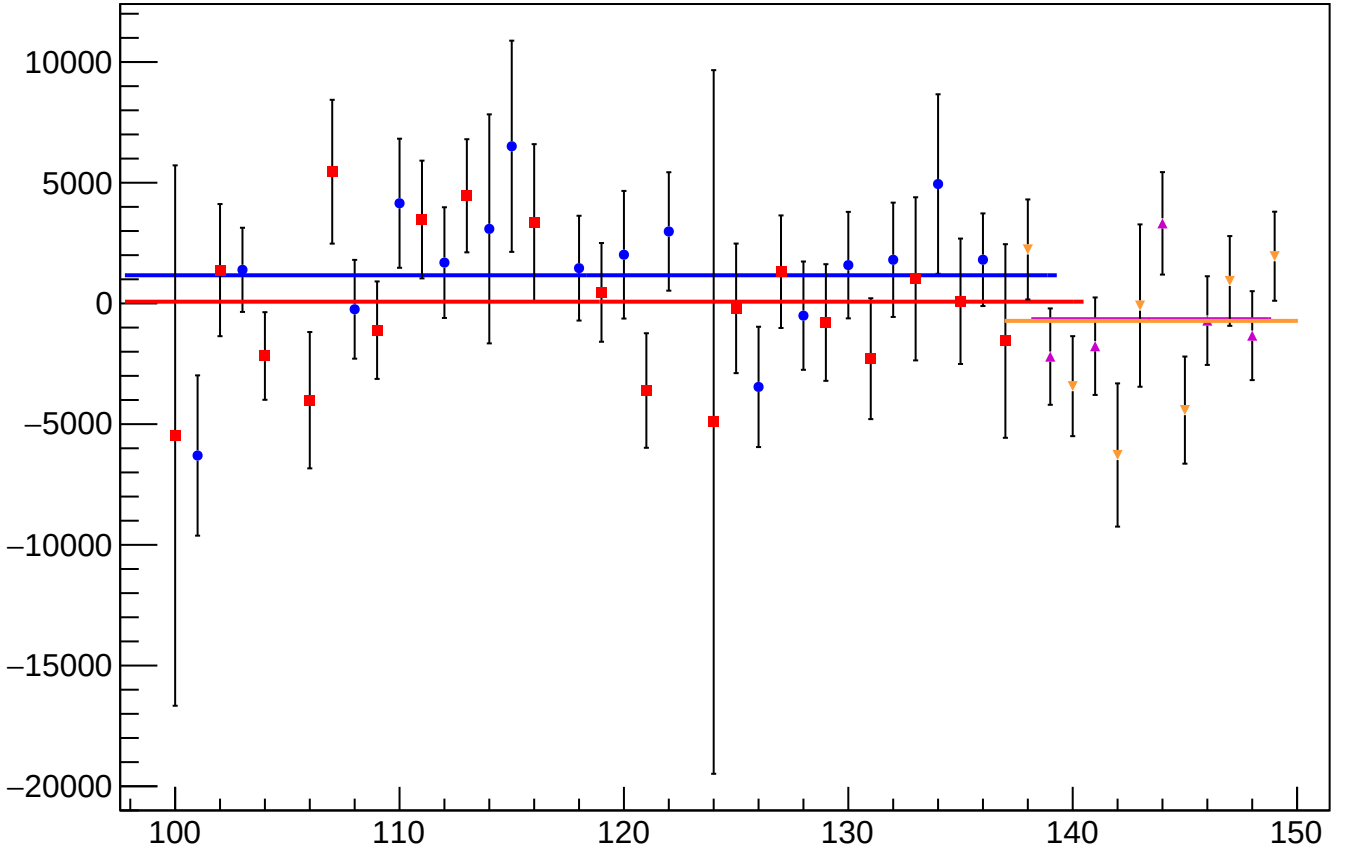
Left In: 856.155+/-0.291 χ^2/NDF:46850.3/4

+ sign 1047.564+/-0.229 χ^2/NDF: 4170821.3/22

All: 1043.586+/-0.164 χ^2/NDF: 7466553.5/46

- 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: -722.526+/-829.094 χ^2/NDF:13.0/6

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

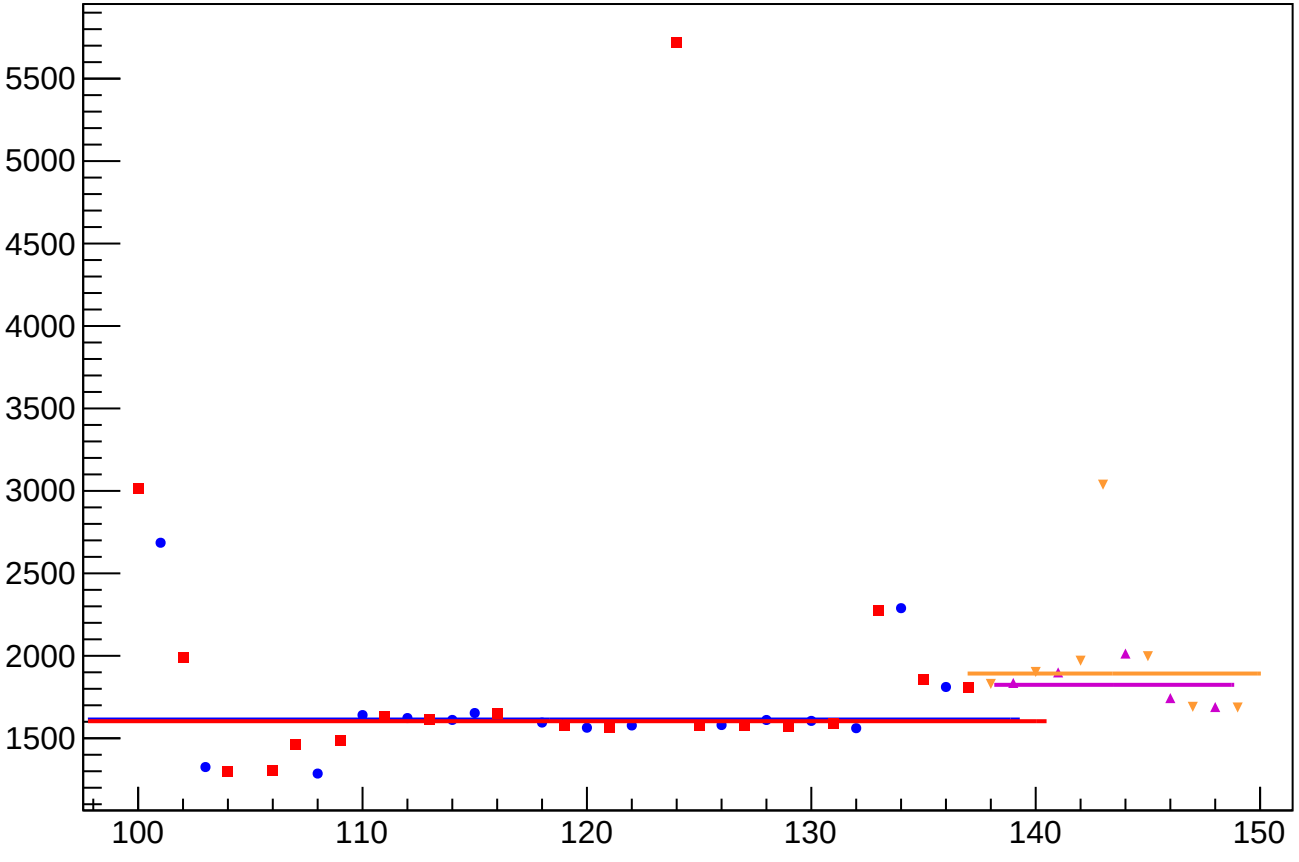
Left In: -652.567+/-873.872 χ^2/NDF:4.5/4

+ sign 504.411+/-490.909 χ^2/NDF: 30.8/22

All: 175.200+/-349.089 χ^2/NDF: 55.0/46

- 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: 1892.491+/-0.586 χ^2/NDF:288335.3/6

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

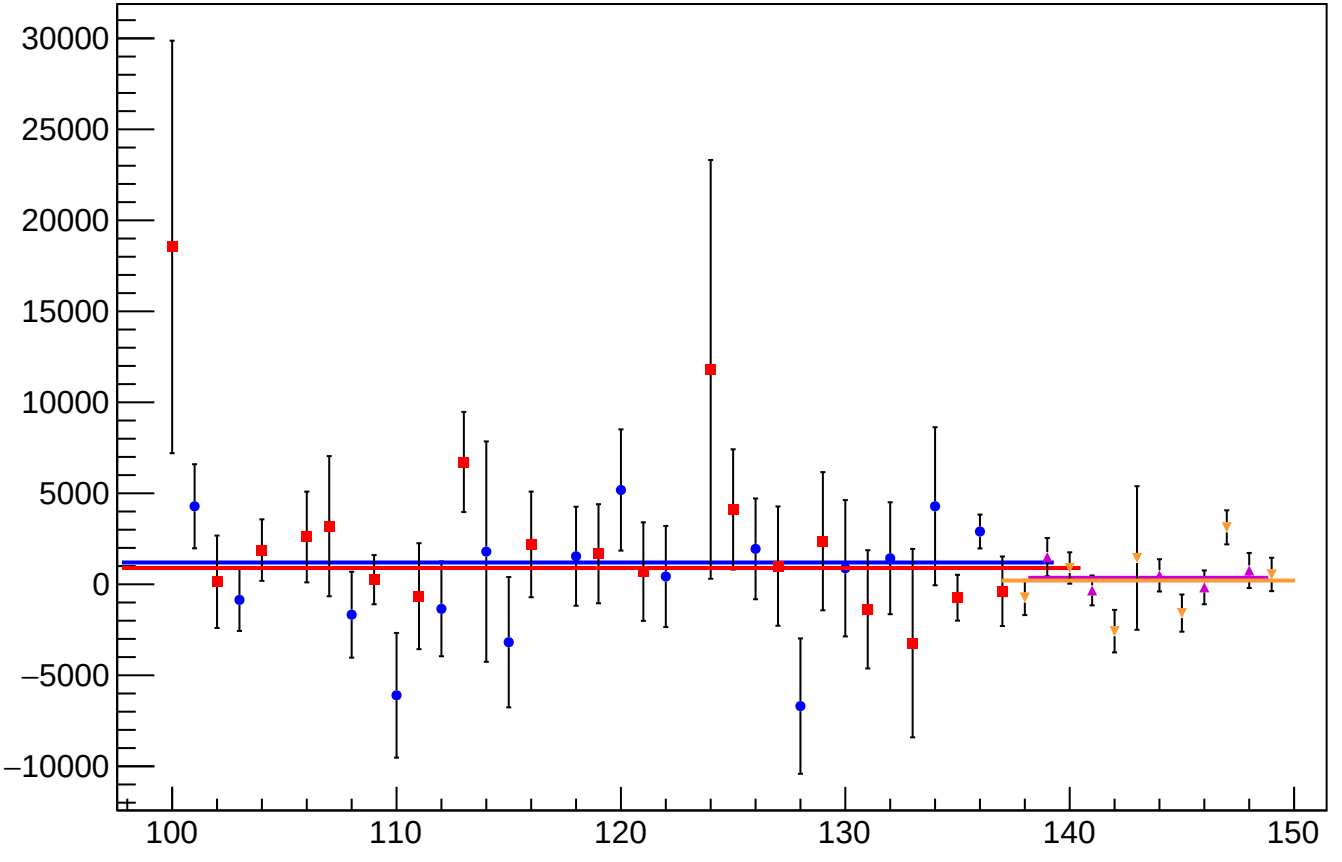
Left In: 1824.093+/-0.618 χ^2/NDF:33335.9/4

+ sign 1711.423+/-0.347 χ^2/NDF: 839911.3/22

All: 1693.264+/-0.247 χ^2/NDF: 1390906.7/46

- 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: 206.983+/-392.140 χ^2/NDF:20.3/6

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

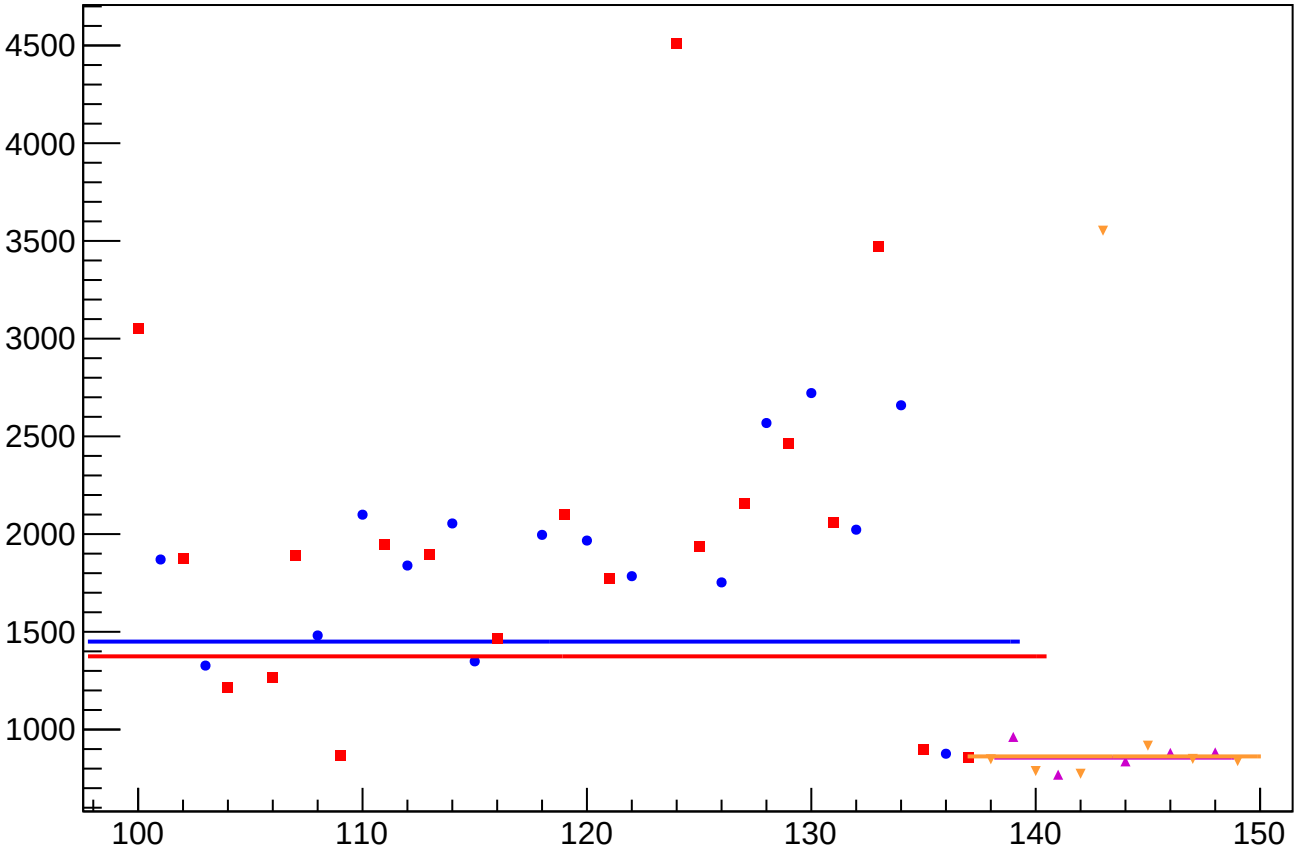
Left In: 356.459+/-411.765 χ^2/NDF:2.4/4

+ sign 519.282+/-324.548 χ^2/NDF: 44.0/22

All: 532.905+/-231.752 χ^2/NDF: 61.2/46

- 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: 862.512+/-0.277 χ^2/NDF:964318.9/6

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

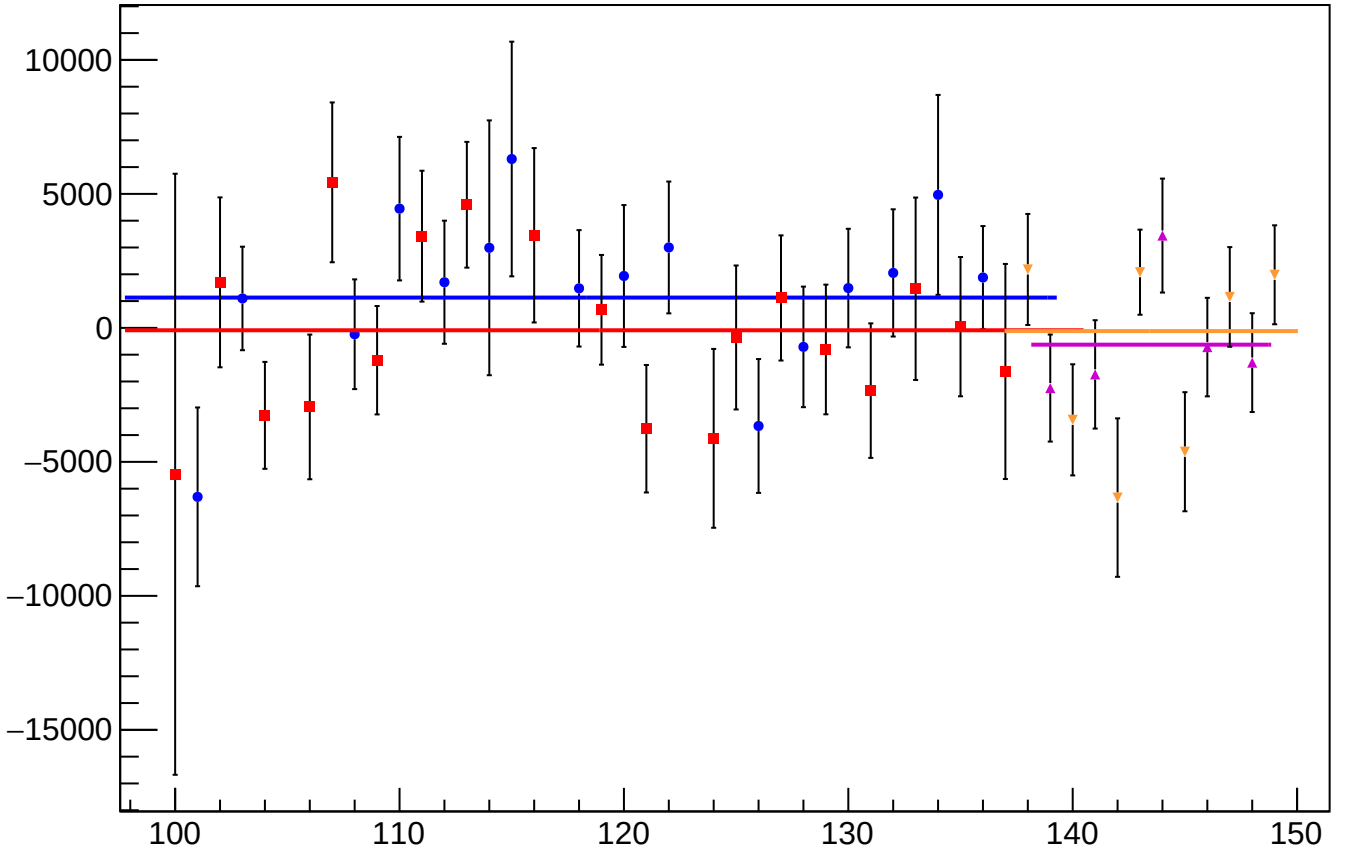
Left In: 856.155+/-0.291 χ^2/NDF:46850.3/4

+ sign 1047.564+/-0.229 χ^2/NDF: 4170821.3/22

All: 1043.586+/-0.164 χ^2/NDF: 7466553.5/46

- 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: -119.787+/-753.502 χ^2/NDF:16.0/6

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

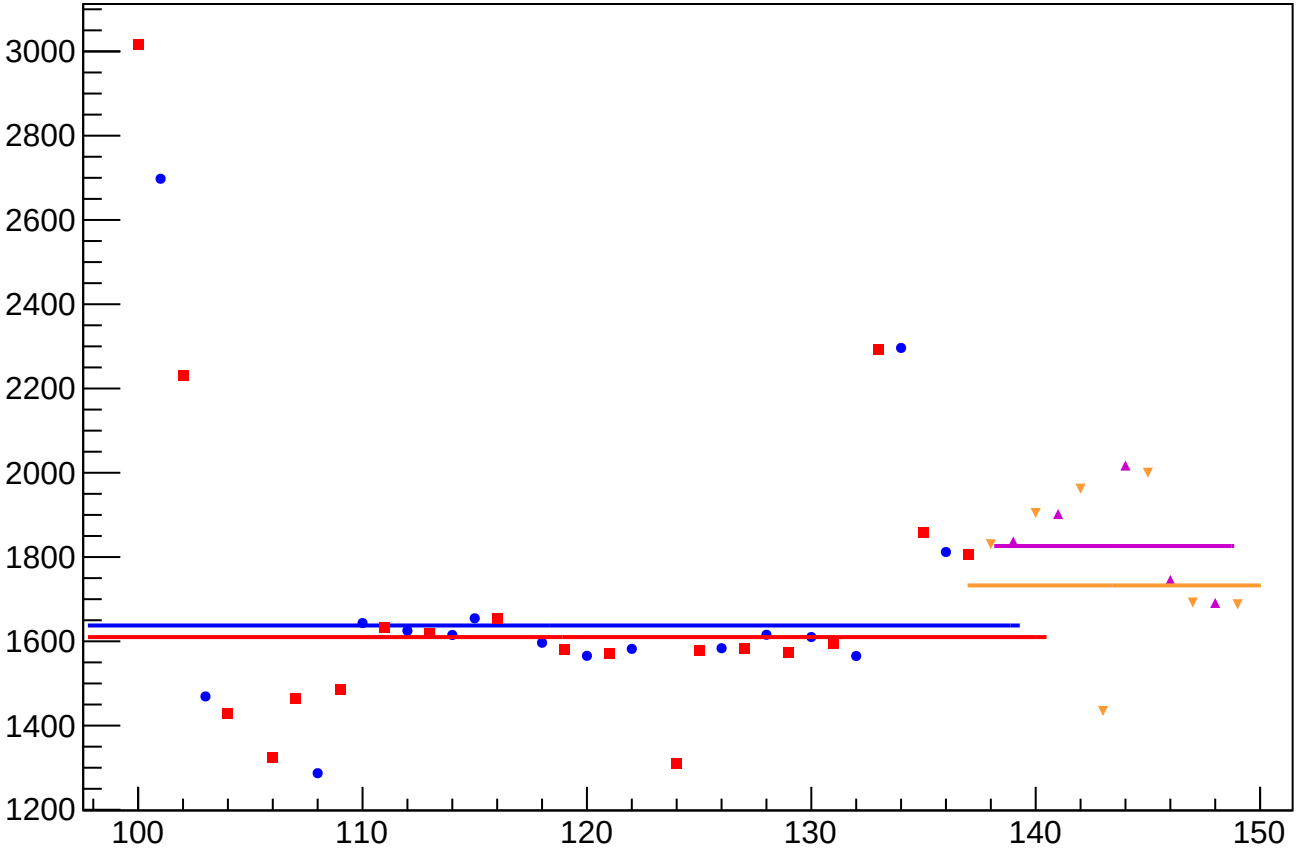
Left In: -626.603+/-874.897 χ^2/NDF:4.8/4

+ sign 628.567+/-477.486 χ^2/NDF: 32.6/22

All: 200.546+/-344.172 χ^2/NDF: 60.0/46

- 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: 1732.679+/-0.533 χ^2/NDF:131783.0/6

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

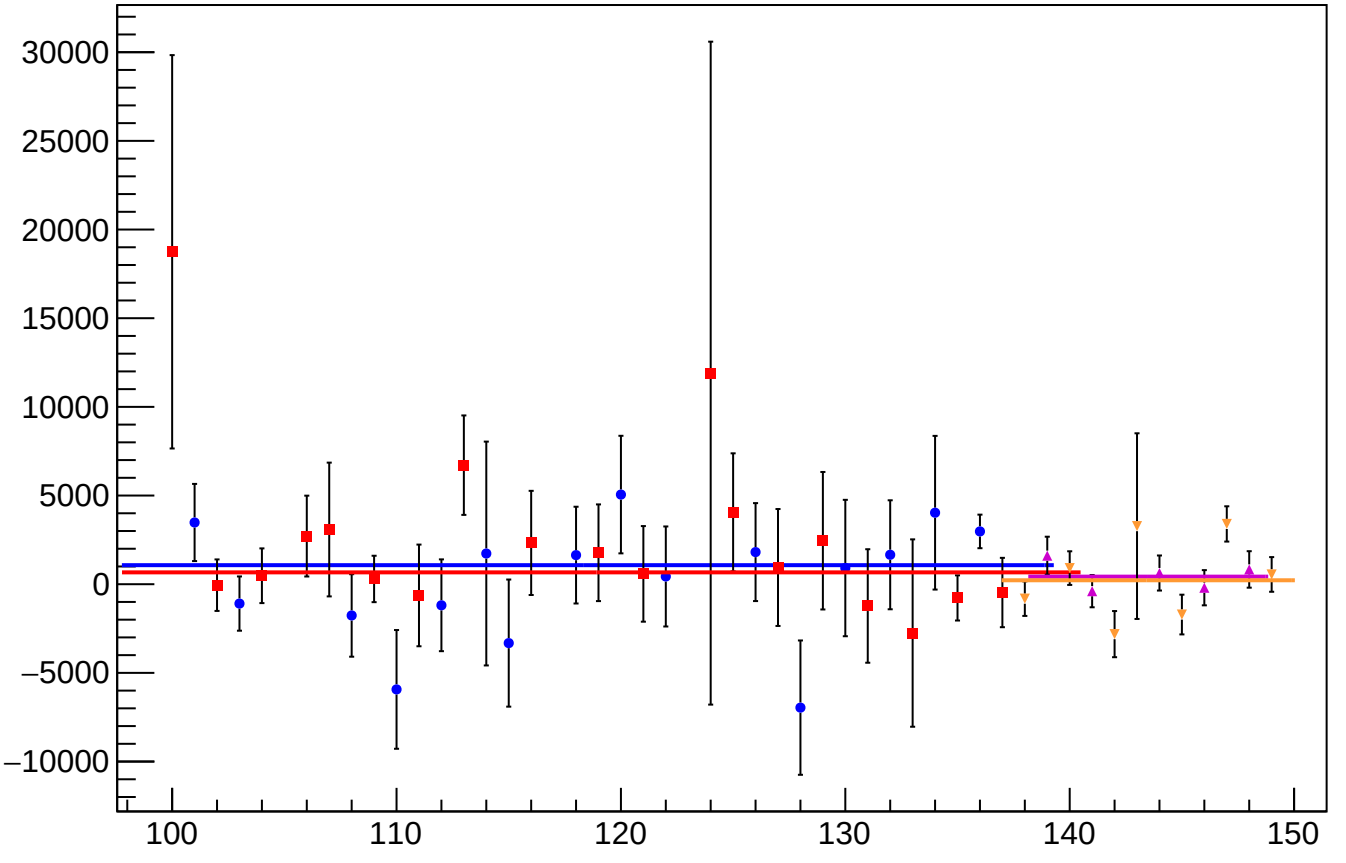
Left In: 1826.184+/-0.619 χ^2/NDF:33612.5/4

+ sign 1675.764+/-0.338 χ^2/NDF: 512267.3/22

All: 1677.637+/-0.243 χ^2/NDF: 909504.1/46

- 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: 221.960+/-420.743 χ^2/NDF:20.7/6

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

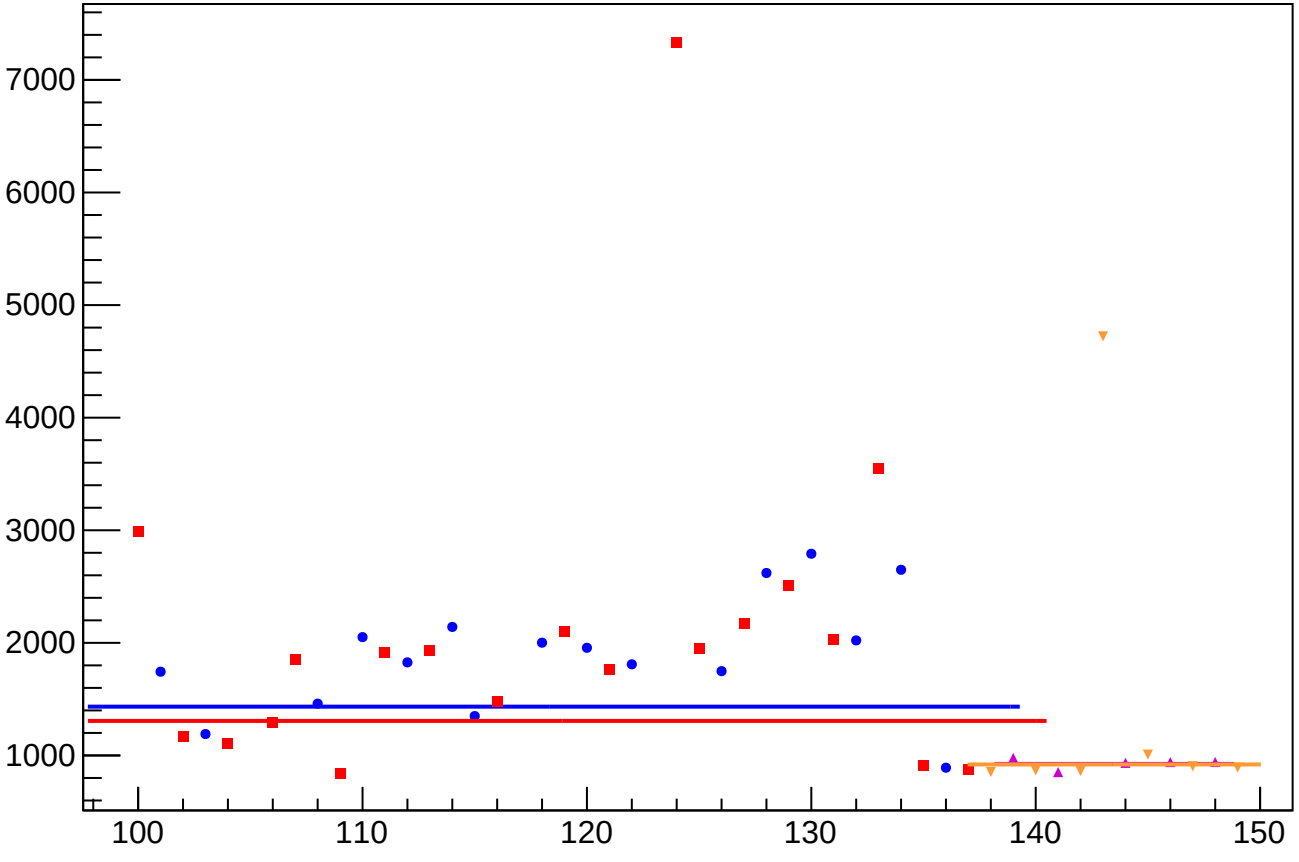
Left In: 426.663+/-444.206 χ^2/NDF:2.6/4

+ sign 521.231+/-338.847 χ^2/NDF: 44.2/22

All: 524.417+/-239.548 χ^2/NDF: 60.5/46

- 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: 920.074+/-0.298 χ^2/NDF:1089080.6/6

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

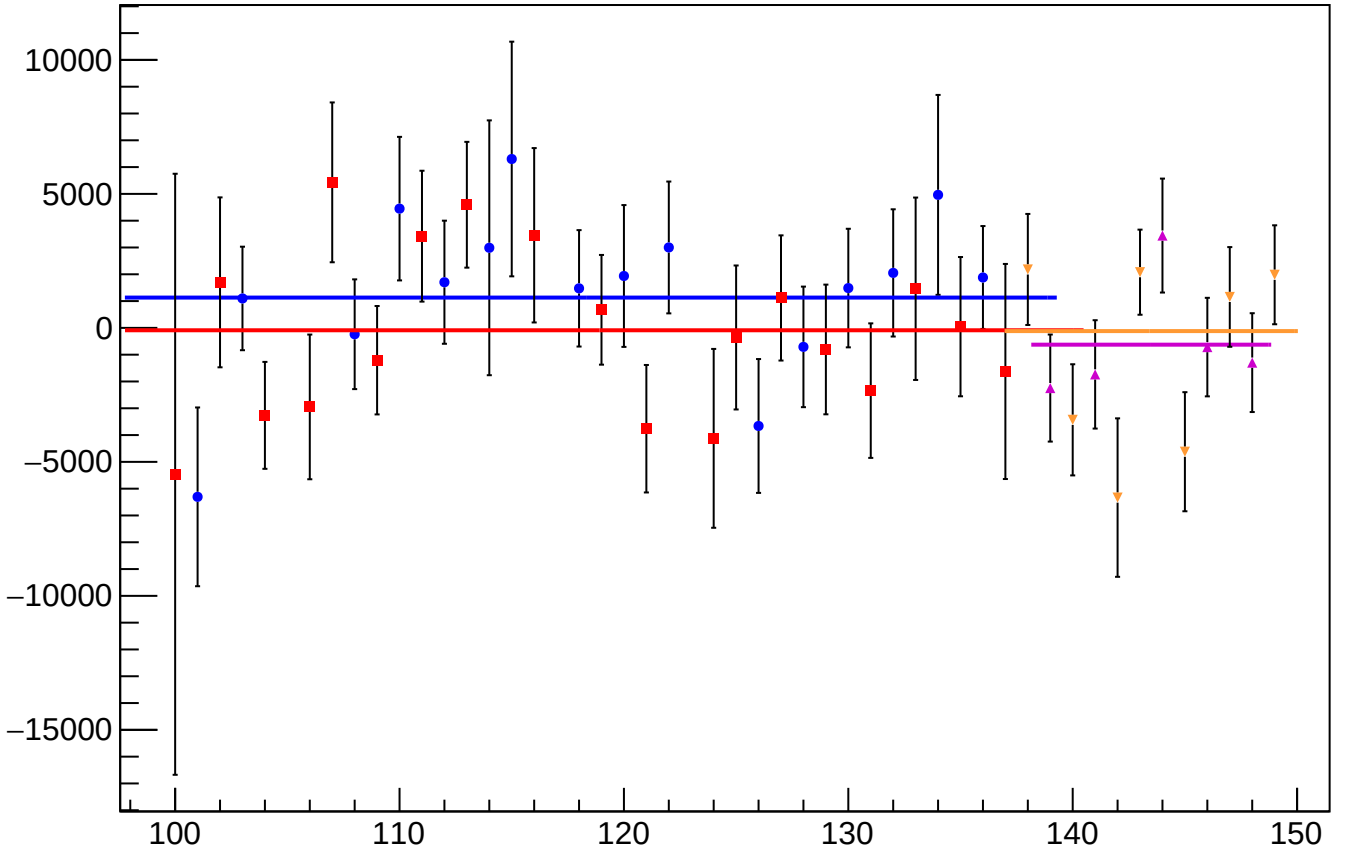
Left In: 924.965+/-0.314 χ^2/NDF:19001.8/4

+ sign 1100.487+/-0.240 χ^2/NDF: 3899028.1/22

All: 1092.660+/-0.169 χ^2/NDF: 6722929.1/46

- 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: -119.798+/-753.502 χ^2/NDF:16.0/6

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

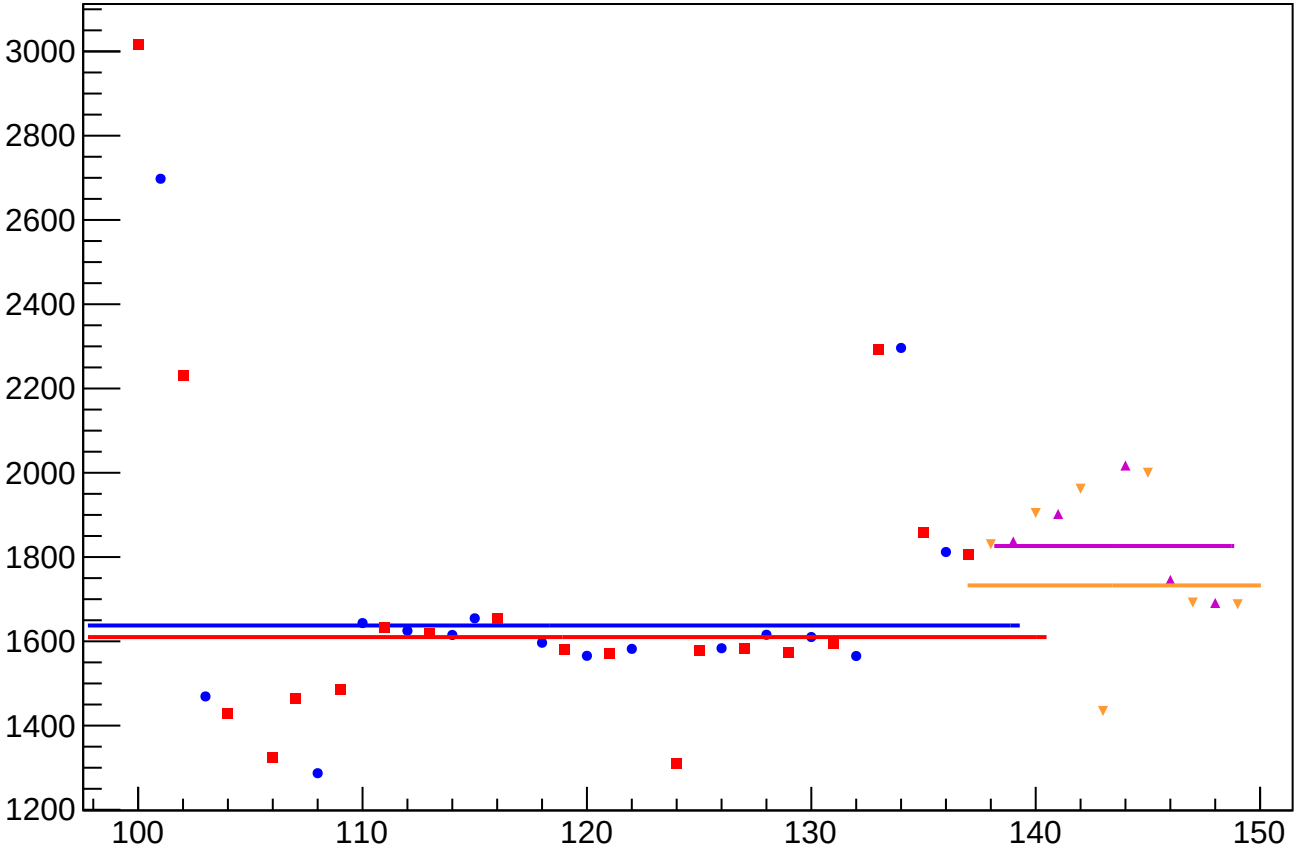
Left In: -626.595+/-874.897 χ^2/NDF:4.8/4

+ sign 628.564+/-477.486 χ^2/NDF: 32.6/22

All: 200.544+/-344.172 χ^2/NDF: 60.0/46

- 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: 1732.680+/-0.533 χ^2/NDF:131781.9/6

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

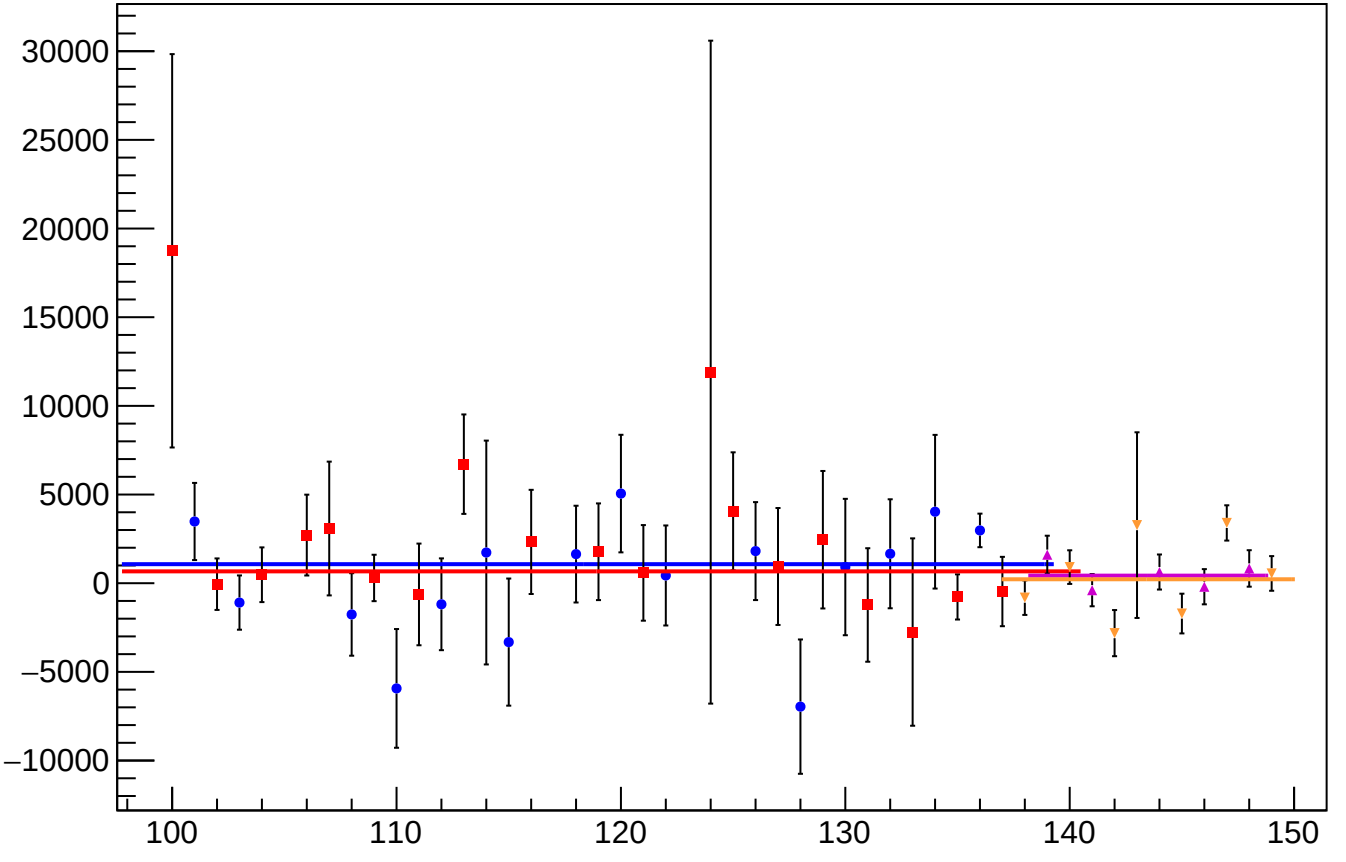
Left In: 1826.184+/-0.619 χ^2/NDF:33612.6/4

+ sign 1675.765+/-0.338 χ^2/NDF: 512266.3/22

All: 1677.637+/-0.243 χ^2/NDF: 909503.5/46

- 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: 221.972+/-420.746 χ^2/NDF:20.7/6

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

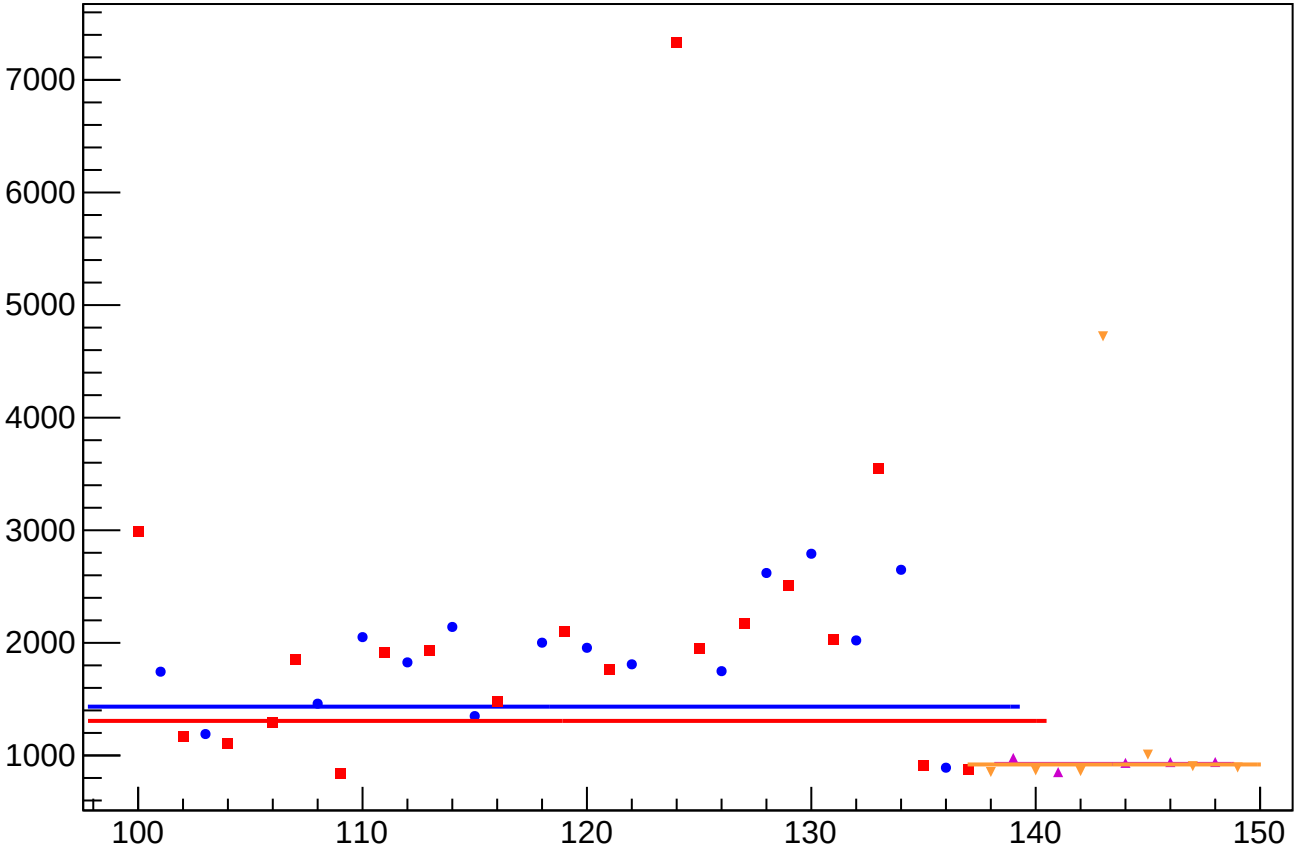
Left In: 426.661+/-444.207 χ^2/NDF:2.6/4

+ sign 521.235+/-338.849 χ^2/NDF: 44.2/22

All: 524.421+/-239.549 χ^2/NDF: 60.5/46

- 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: 920.081+/-0.298 χ^2/NDF:1089070.8/6

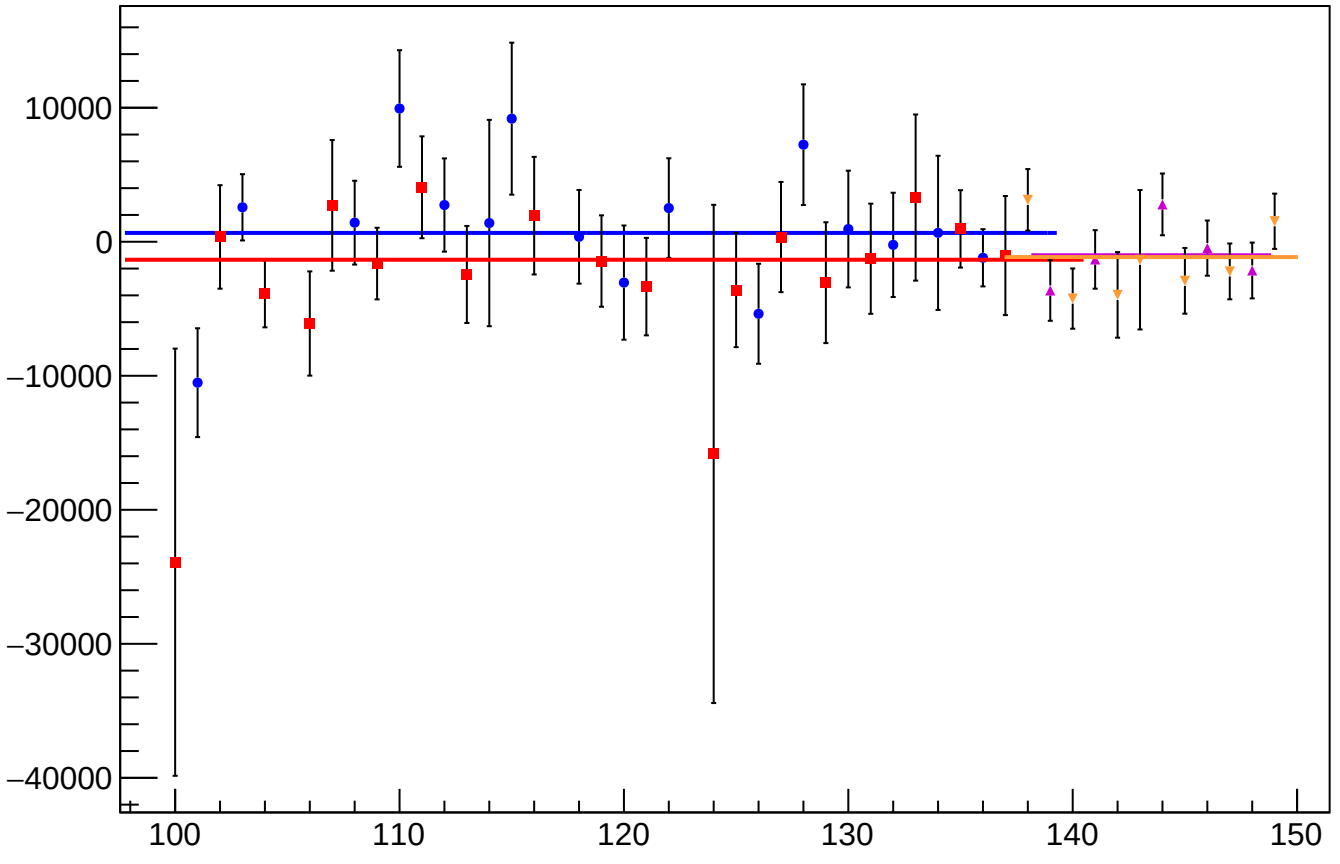
Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 924.967+/-0.314 χ^2/NDF:19002.6/4

+ sign 1100.497+/-0.240 χ^2/NDF: 3898945.9/22

All: 1092.667+/-0.169 χ^2/NDF: 6722807.1/46

- 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: -1143.351+/-930.665 χ^2/NDF:8.6/6

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

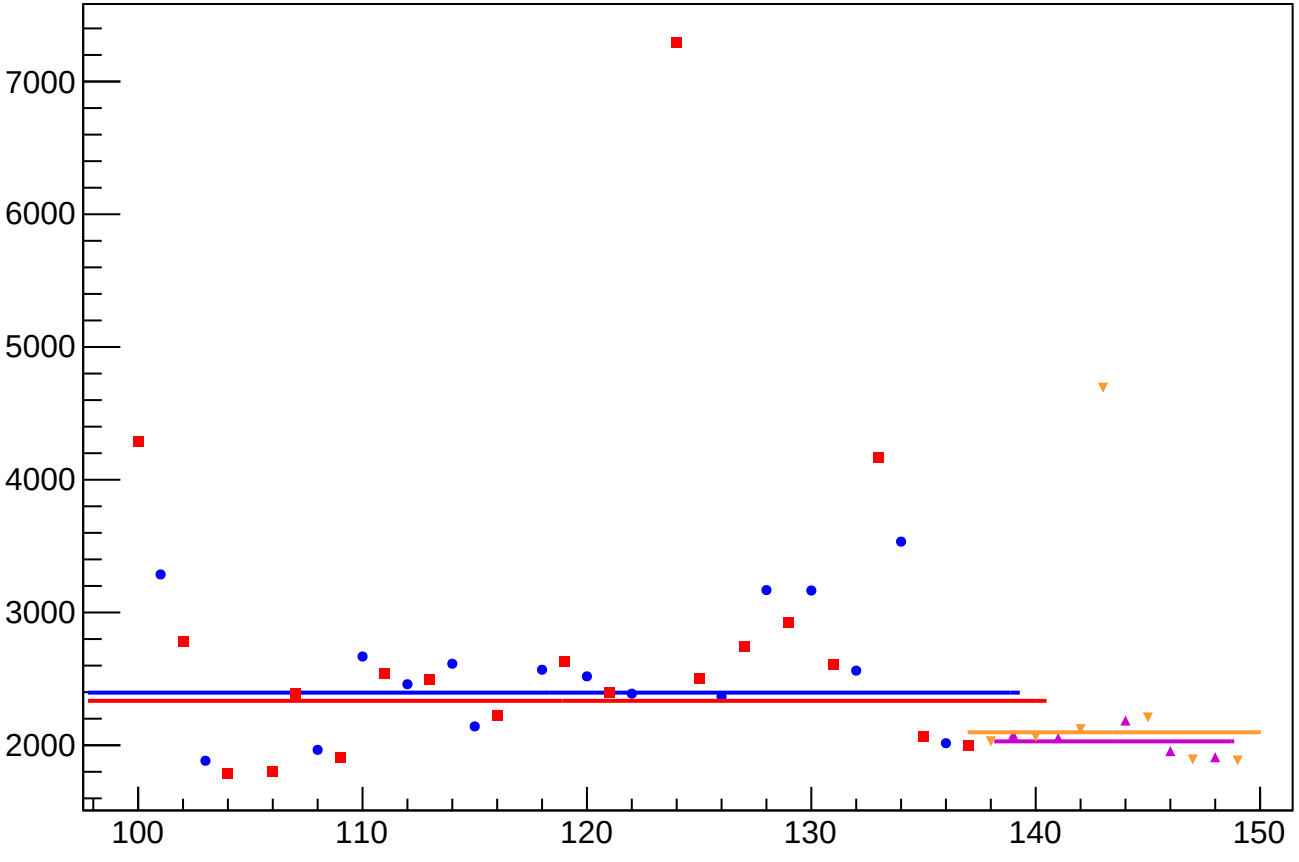
Left In: -1007.933+/-971.457 χ^2/NDF:4.4/4

+ sign -221.283+/-650.493 χ^2/NDF: 32.5/22

All: -700.941+/-462.066 χ^2/NDF: 48.9/46

- 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: 2097.739+/-0.658 χ^2/NDF:545123.0/6

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

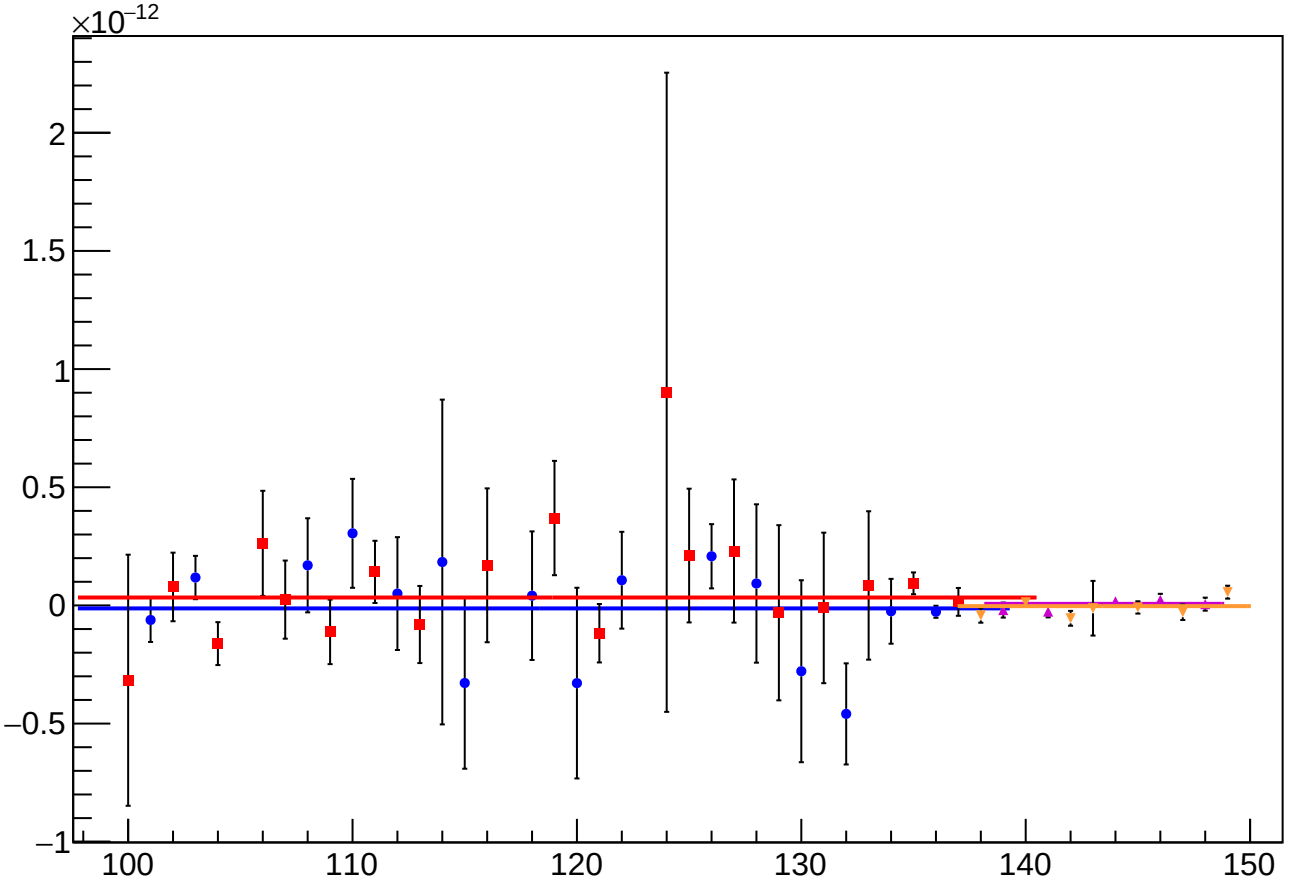
Left In: 2029.167+/-0.687 χ^2/NDF:19617.3/4

+ sign 2250.429+/-0.460 χ^2/NDF: 1158277.7/22

All: 2223.029+/-0.327 χ^2/NDF: 1974045.1/46

- 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:10.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

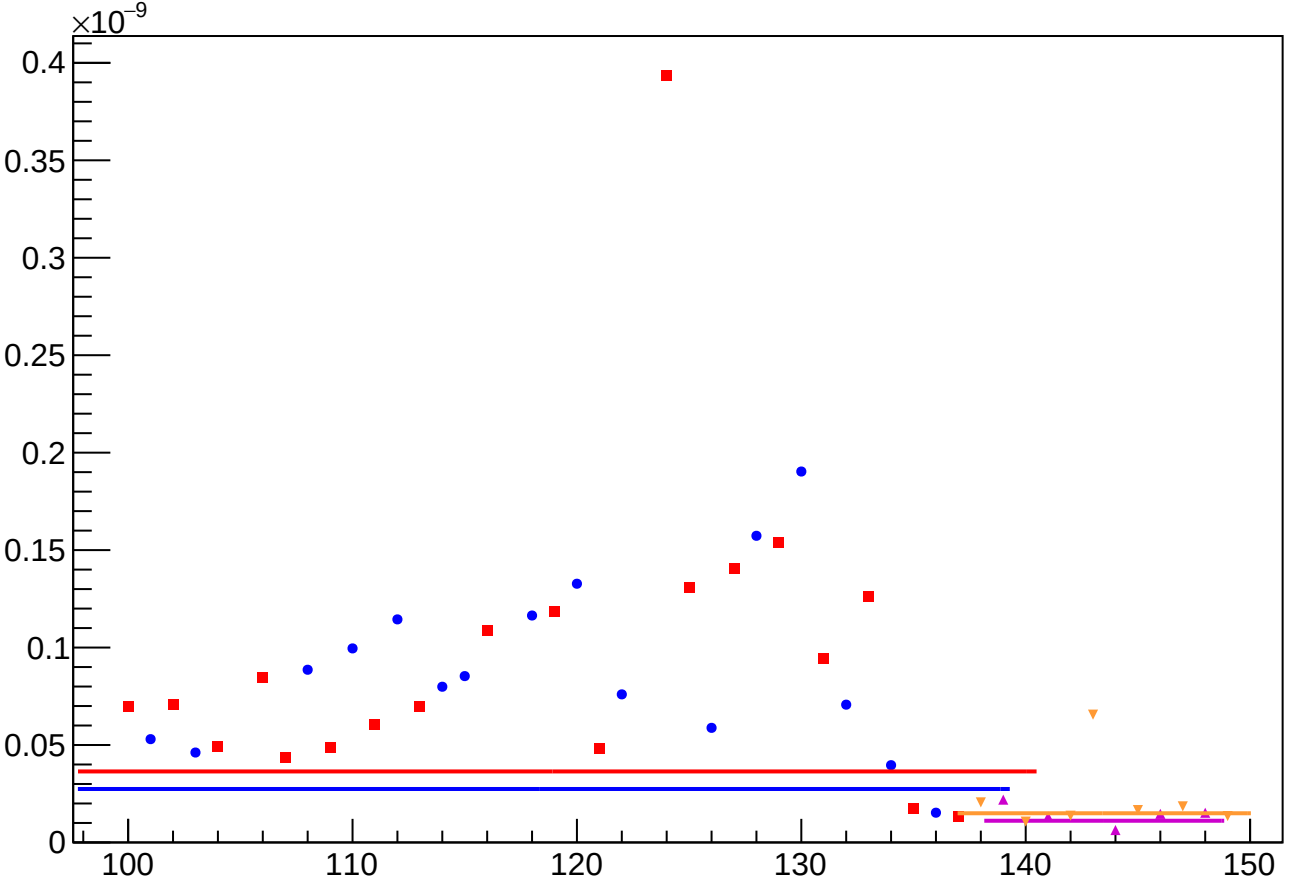
Left In: 0.000+/-0.000 χ^2/NDF:3.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 25.3/22

All: 0.000+/-0.000 χ^2/NDF: 46.0/46

- sign 0.000+/-0.000 χ^2/NDF: 19.6/23

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:589049.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

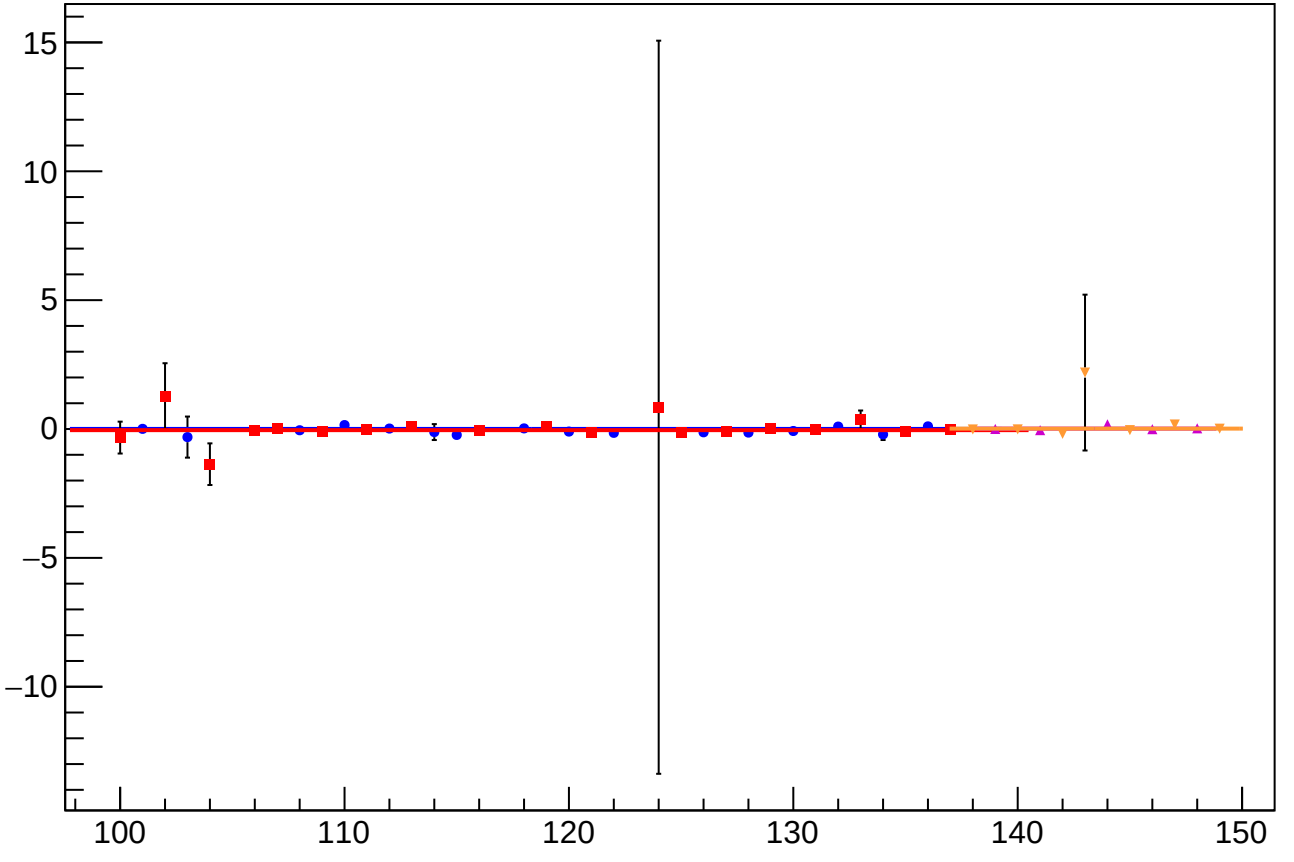
Left In: 0.000+/-0.000 χ^2/NDF:567862.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 3827400.6/22

All: 0.000+/-0.000 χ^2/NDF: 8439746.9/46

- 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+/-0.028 χ^2/NDF:9.9/6

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

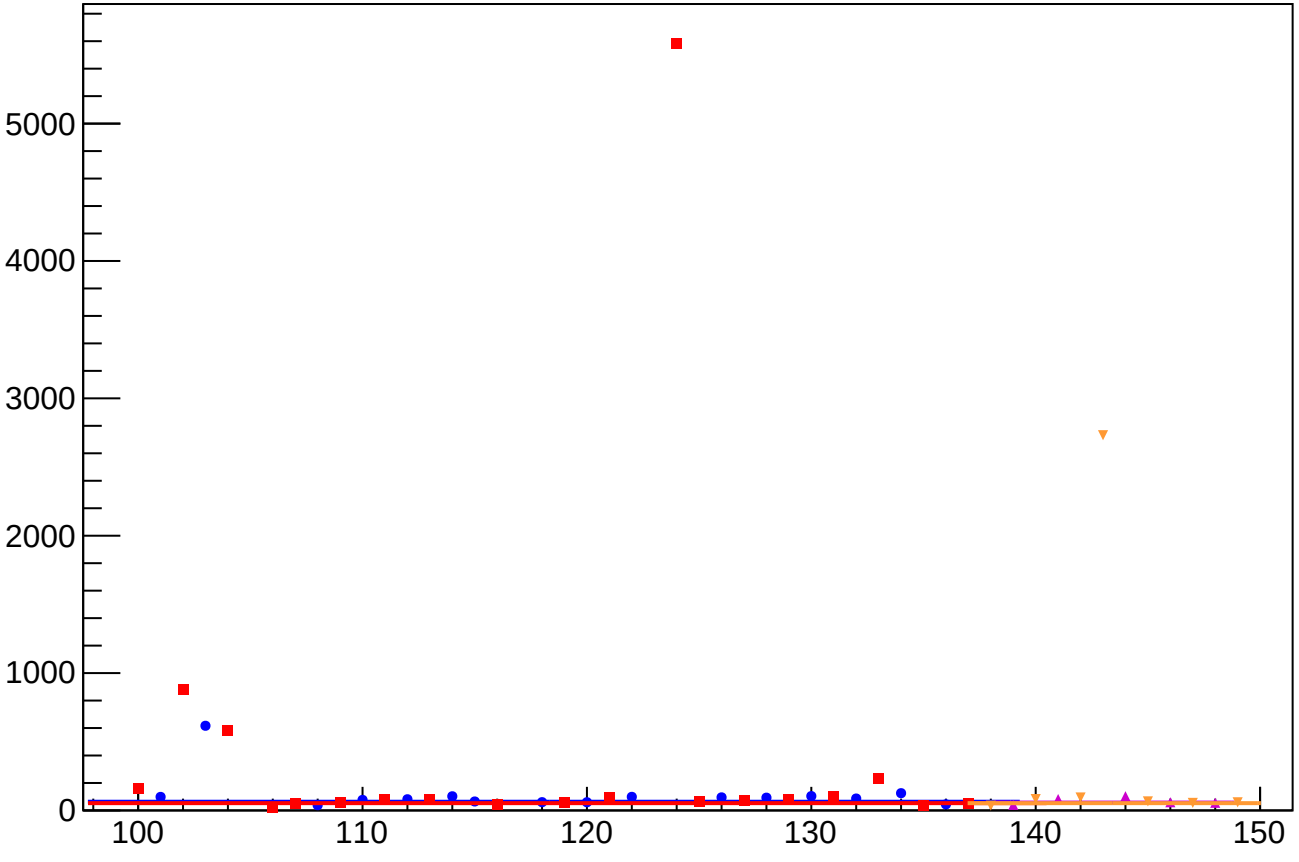
Left In: 0.015+/-0.031 χ^2/NDF:2.8/4

+ sign 0.009+/-0.019 χ^2/NDF: 23.3/22

All: -0.006+/-0.014 χ^2/NDF: 42.1/46

- 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: 53.126+/-0.020 χ^2/NDF:2340082.9/6

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

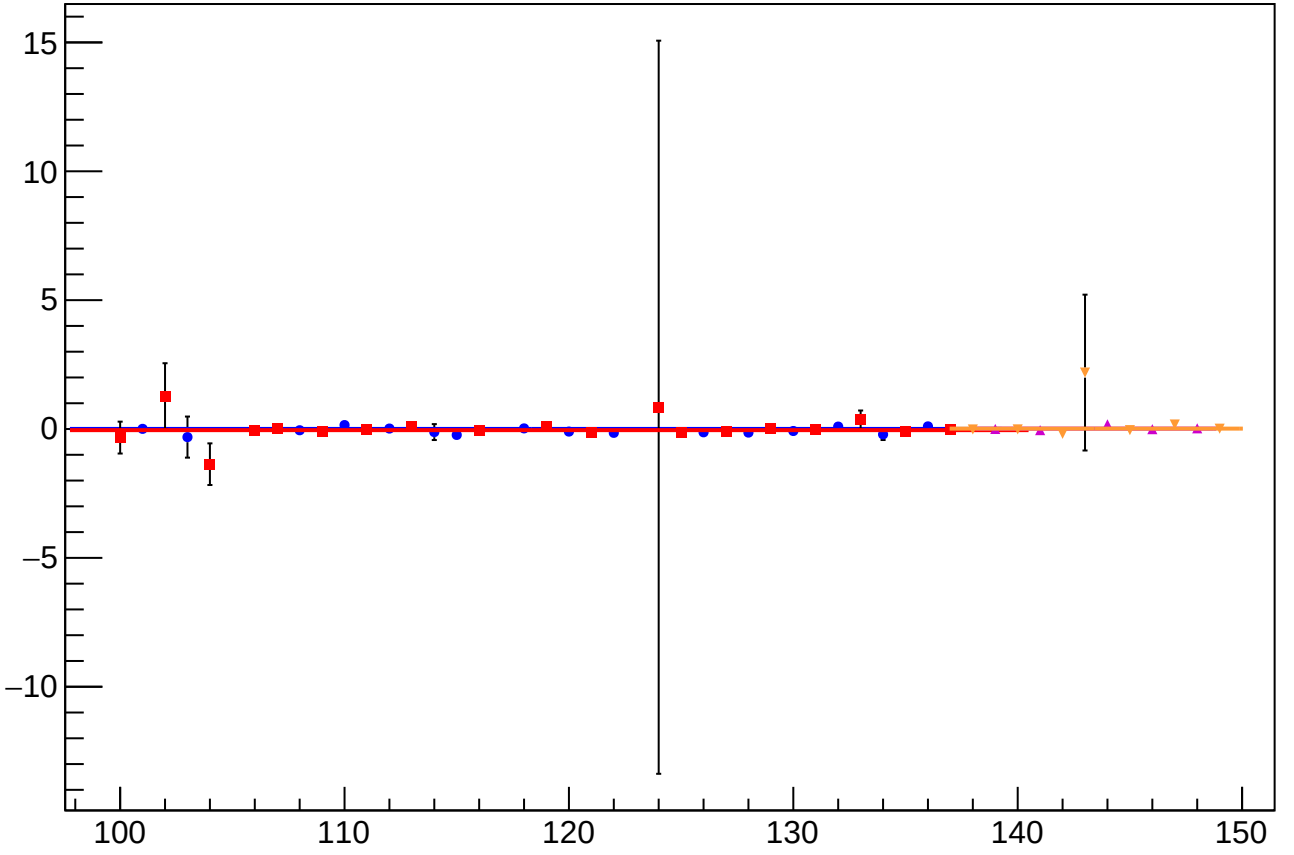
Left In: 57.376+/-0.022 χ^2/NDF:726891.0/4

+ sign 58.410+/-0.014 χ^2/NDF: 4926041.7/22

All: 56.618+/-0.010 χ^2/NDF: 9654611.3/46

- 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+/-0.028 χ^2/NDF:9.9/6

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

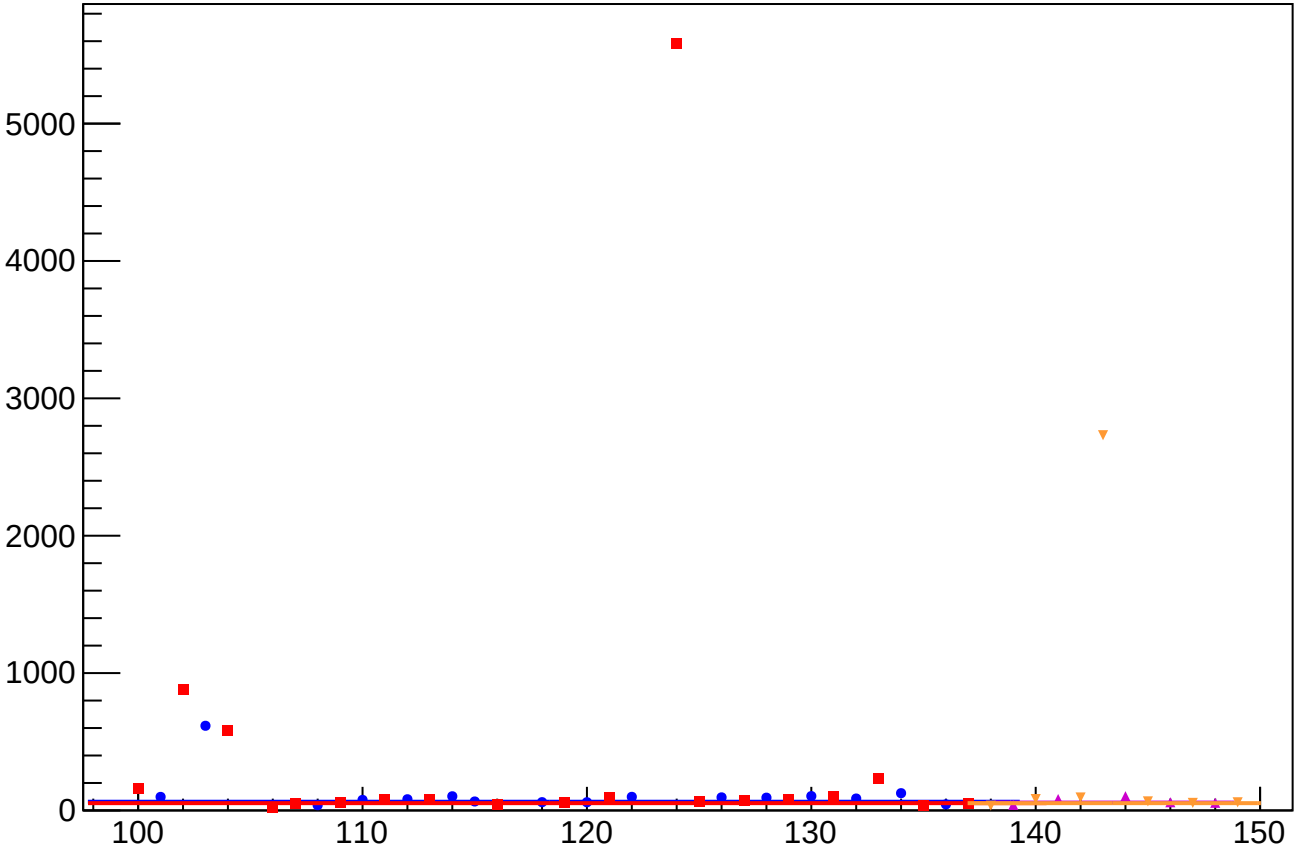
Left In: 0.015+/-0.031 χ^2/NDF:2.8/4

+ sign 0.009+/-0.019 χ^2/NDF: 23.3/22

All: -0.006+/-0.014 χ^2/NDF: 42.1/46

- 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: 53.126+/-0.020 χ^2/NDF:2340082.9/6

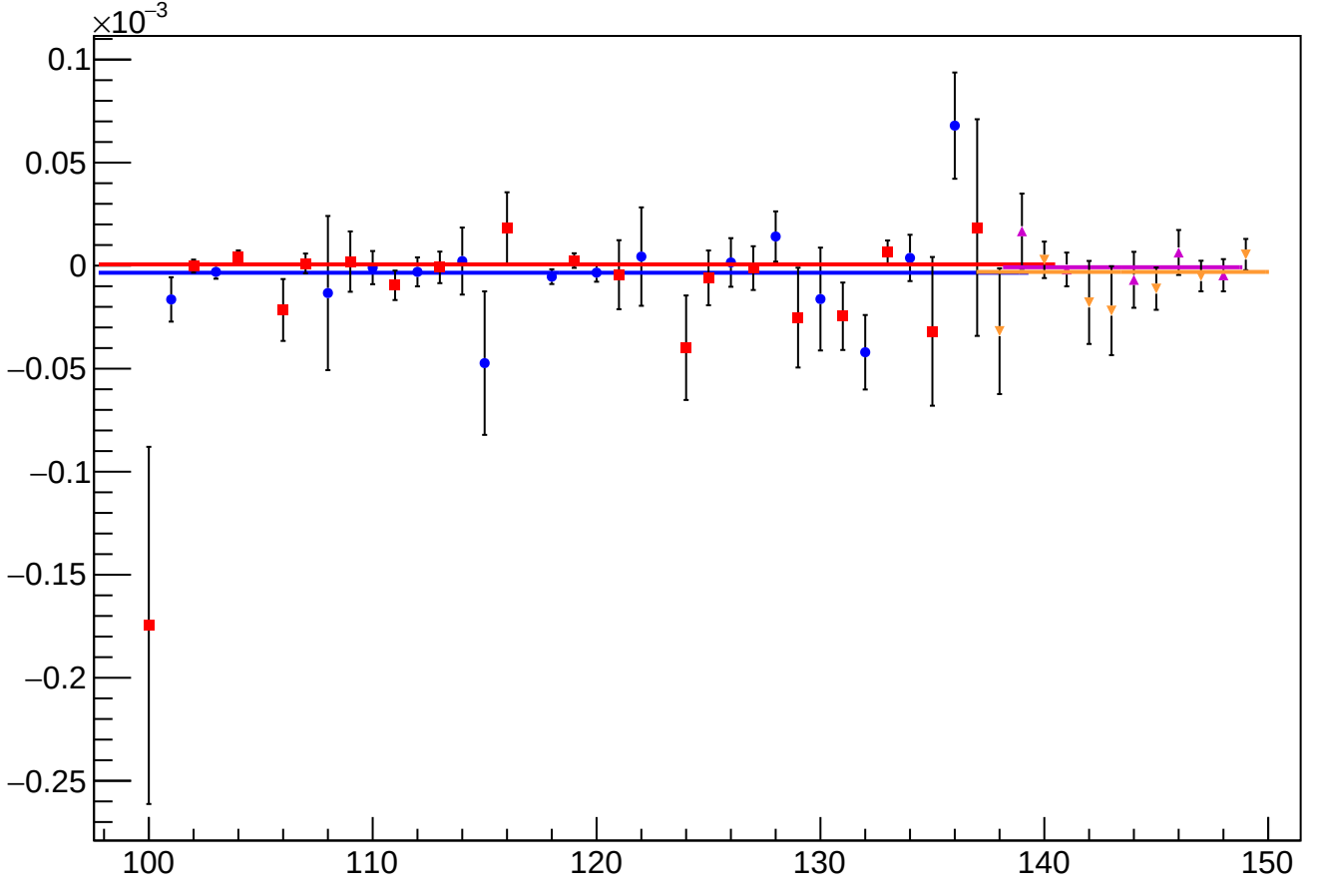
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.376+/-0.022 χ^2/NDF:726891.0/4

+ sign 58.410+/-0.014 χ^2/NDF: 4926041.7/22

All: 56.618+/-0.010 χ^2/NDF: 9654611.3/46

- 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:4.6/6

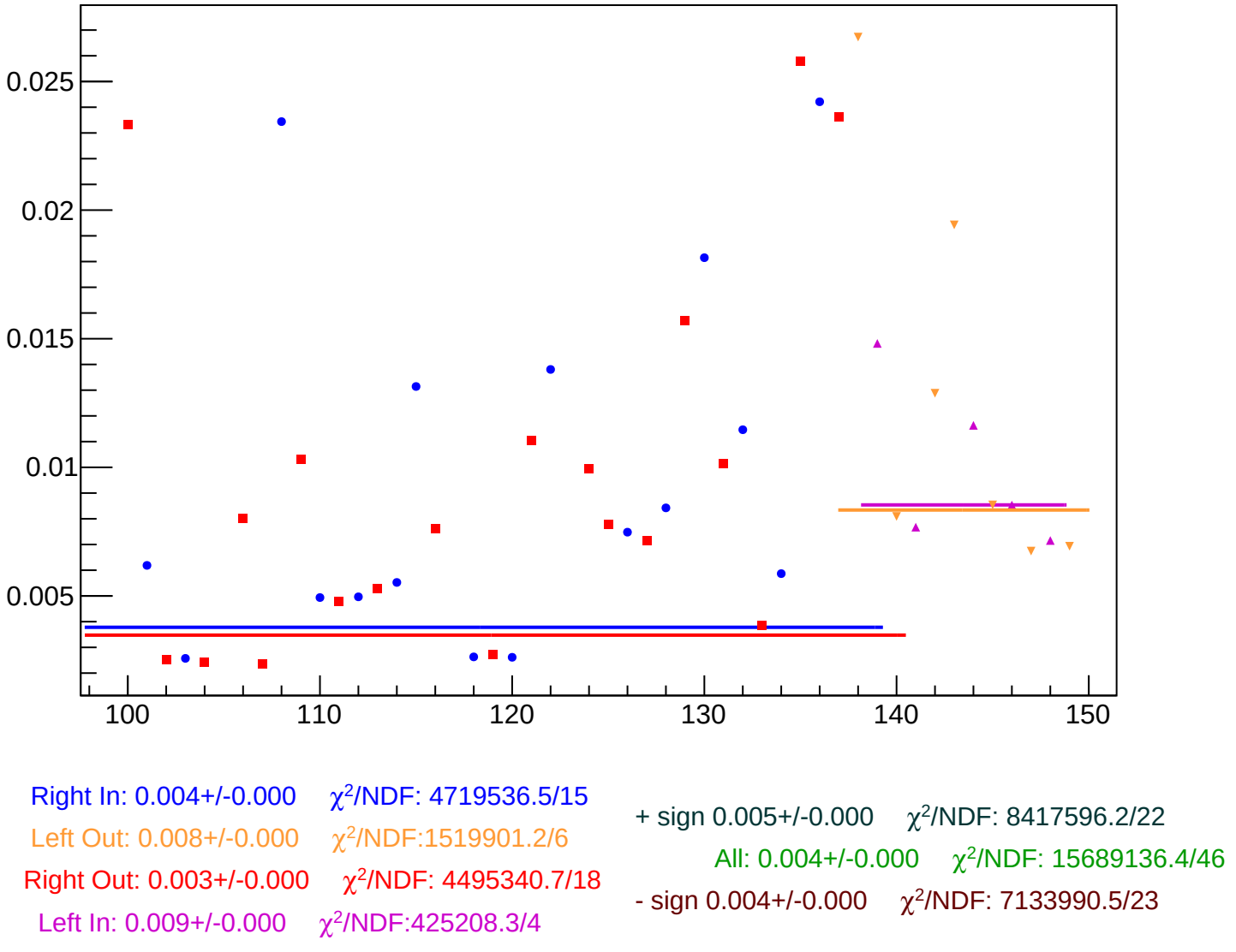
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/4

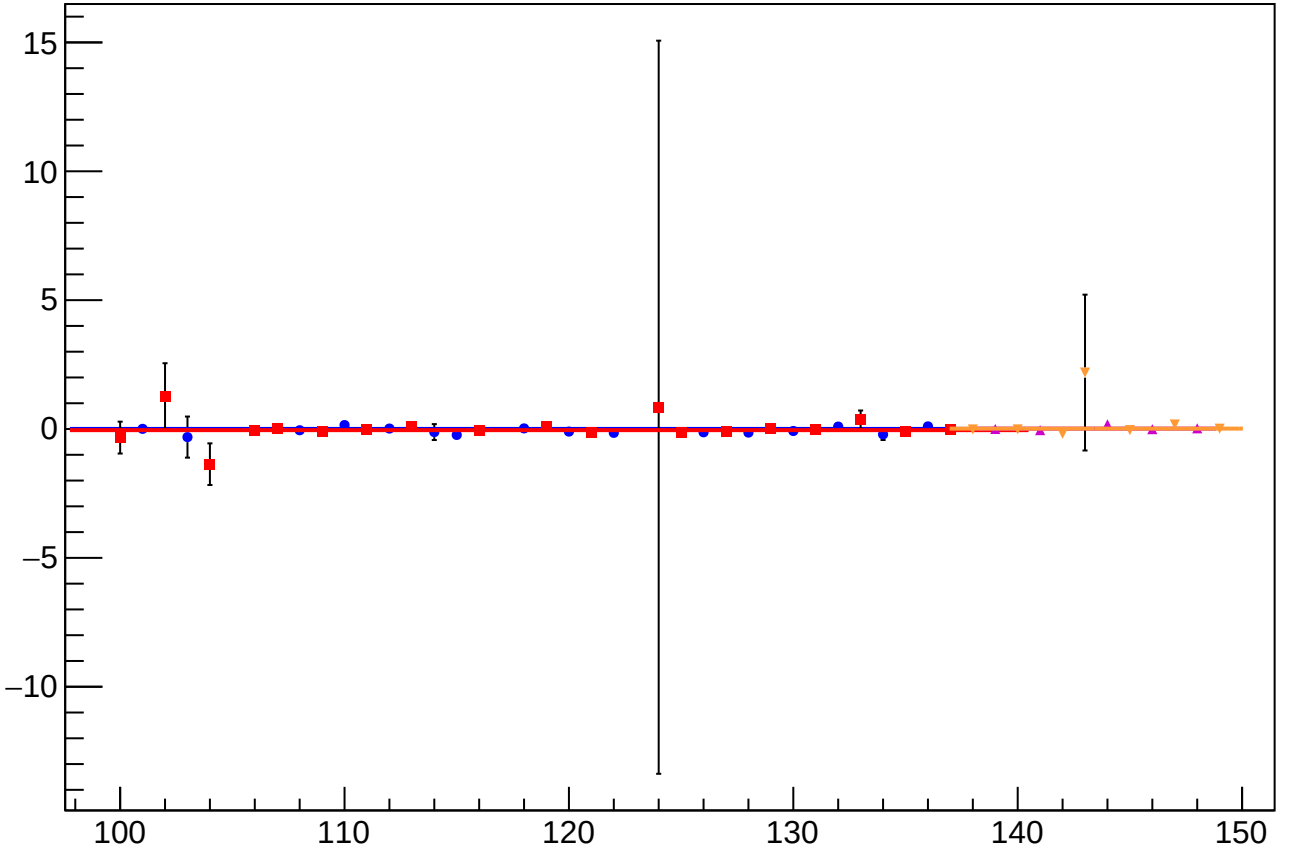
+ sign -0.000+/-0.000 χ^2/NDF: 23.5/22

All: -0.000+/-0.000 χ^2/NDF: 47.5/46

- 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: 0.008+/-0.000 χ²/NDF:1519901.2/6
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.009+/-0.000 χ²/NDF:425208.3/4
+ sign 0.005+/-0.000 χ²/NDF: 8417596.2/22
All: 0.004+/-0.000 χ²/NDF: 15689136.4/46
- 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+/-0.028 χ^2/NDF:9.9/6

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

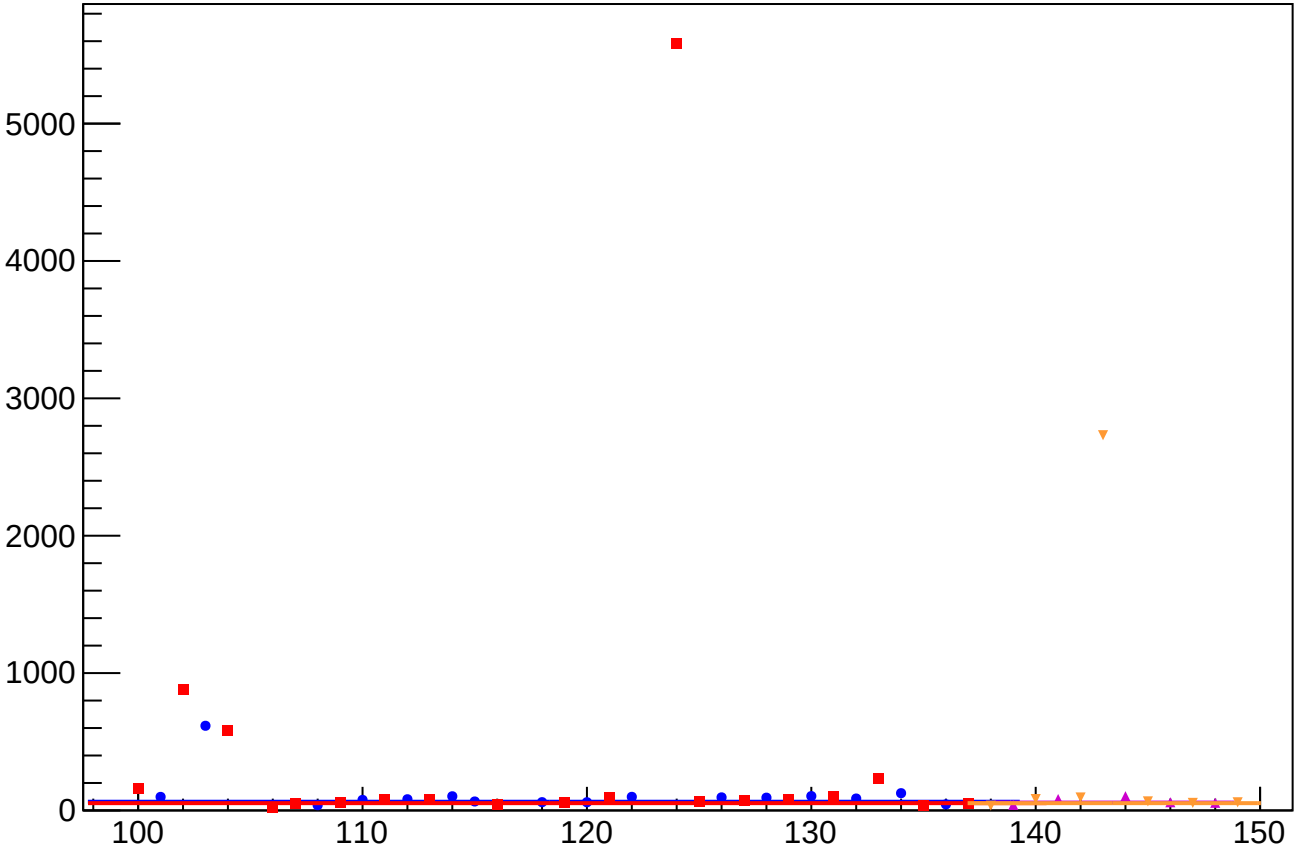
Left In: 0.015+/-0.031 χ^2/NDF:2.8/4

+ sign 0.009+/-0.019 χ^2/NDF: 23.3/22

All: -0.006+/-0.014 χ^2/NDF: 42.1/46

- 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: 53.123+/-0.020 χ^2/NDF:2339980.4/6

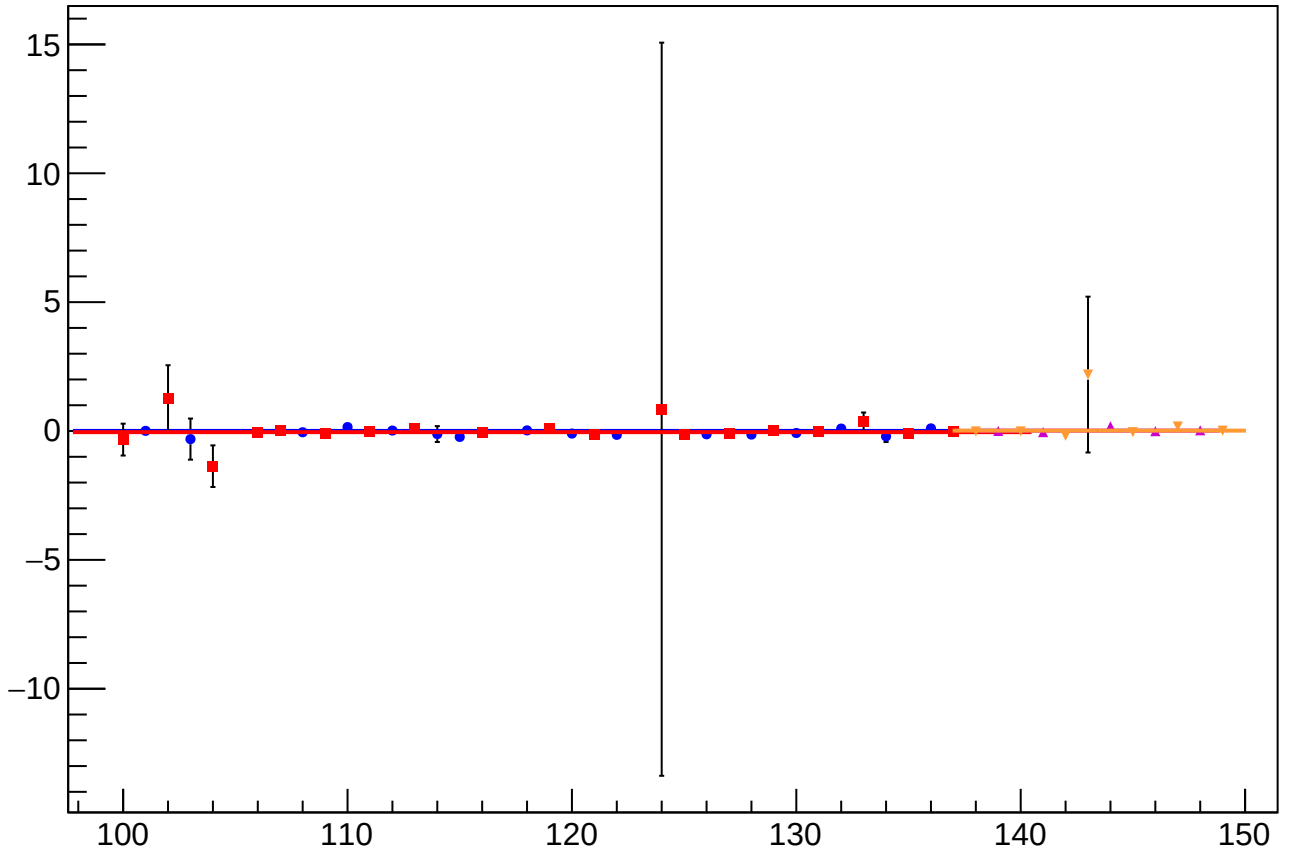
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.381+/-0.022 χ^2/NDF:726558.0/4

+ sign 58.412+/-0.014 χ^2/NDF: 4925341.0/22

All: 56.619+/-0.010 χ^2/NDF: 9654310.0/46

- 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+/-0.028 χ^2/NDF:9.9/6

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

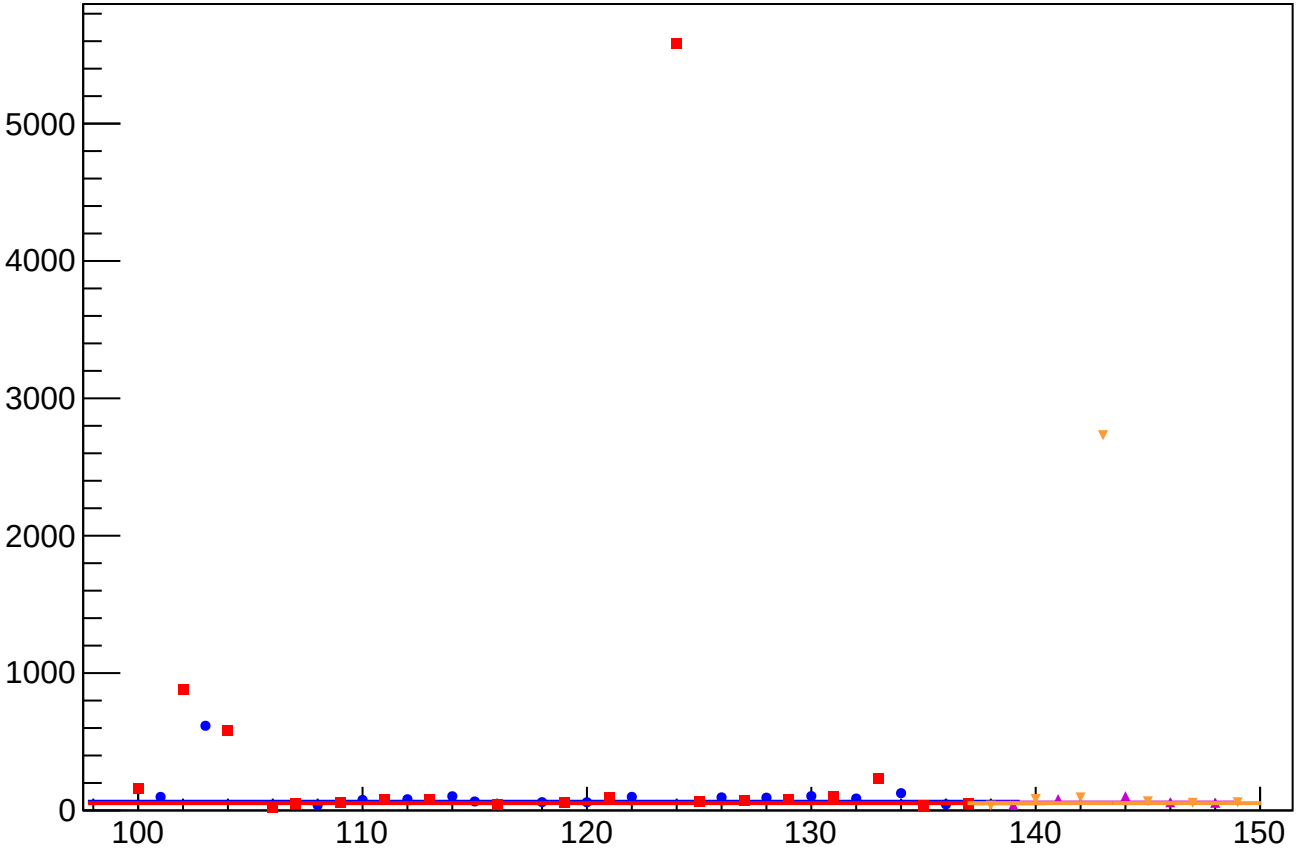
Left In: 0.015+/-0.031 χ^2/NDF:2.8/4

+ sign 0.009+/-0.019 χ^2/NDF: 23.3/22

All: -0.006+/-0.014 χ^2/NDF: 42.1/46

- sign -0.021+/-0.019 χ^2/NDF: 17.7/23

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 53.123+/-0.020 χ^2/NDF:2339980.4/6

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

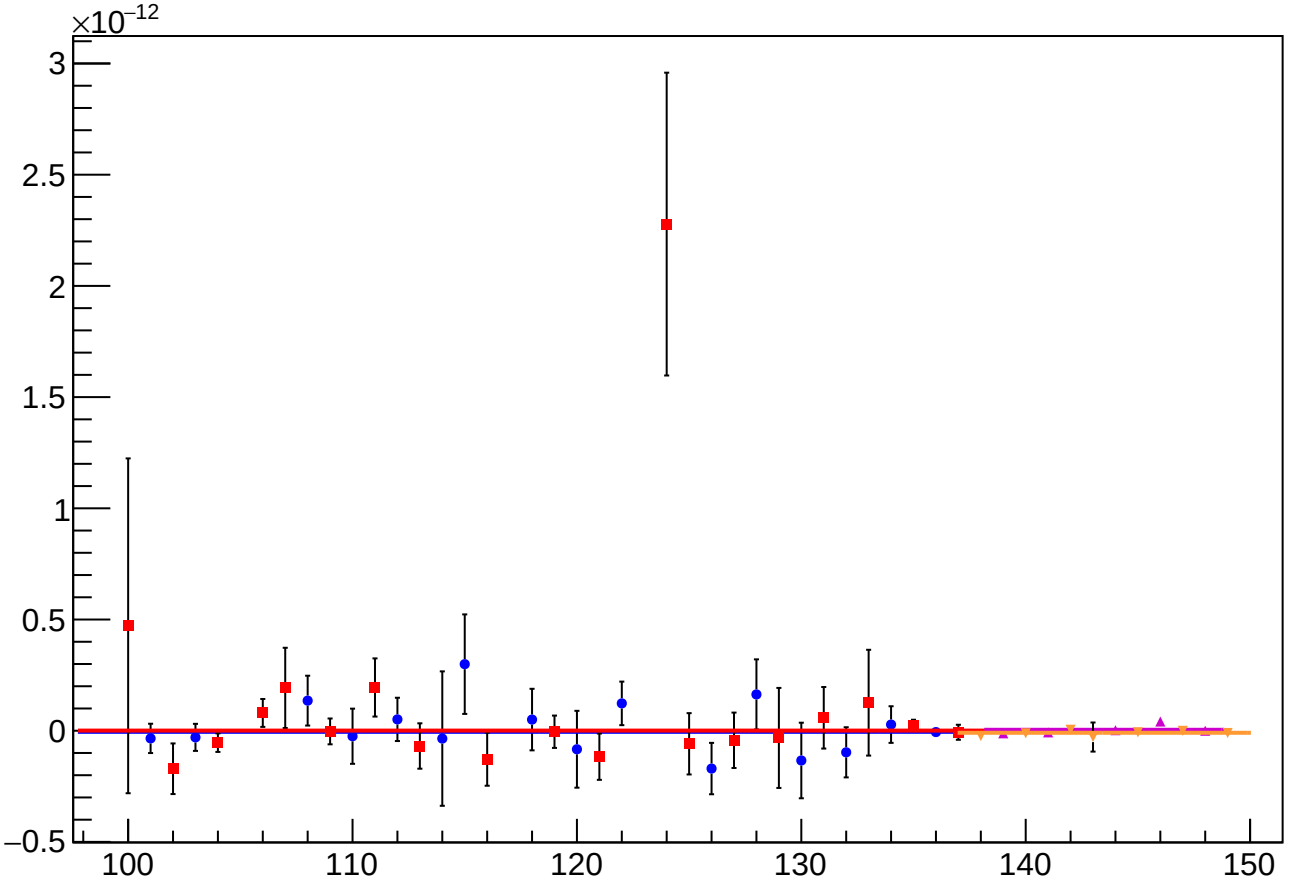
Left In: 57.381+/-0.022 χ^2/NDF:726558.0/4

+ sign 58.412+/-0.014 χ^2/NDF: 4925341.0/22

All: 56.619+/-0.010 χ^2/NDF: 9654310.0/46

- 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:1.9/6

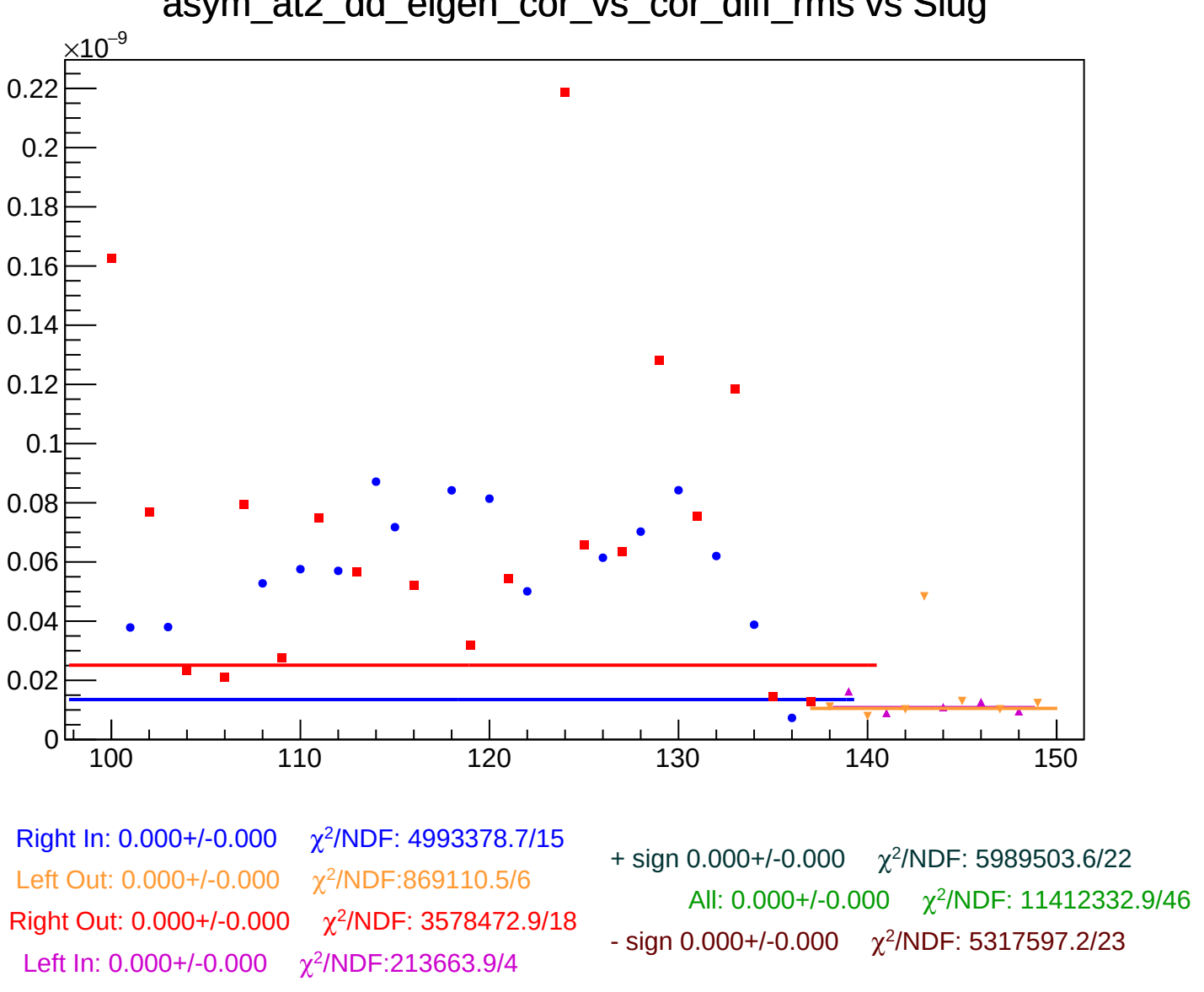
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/4

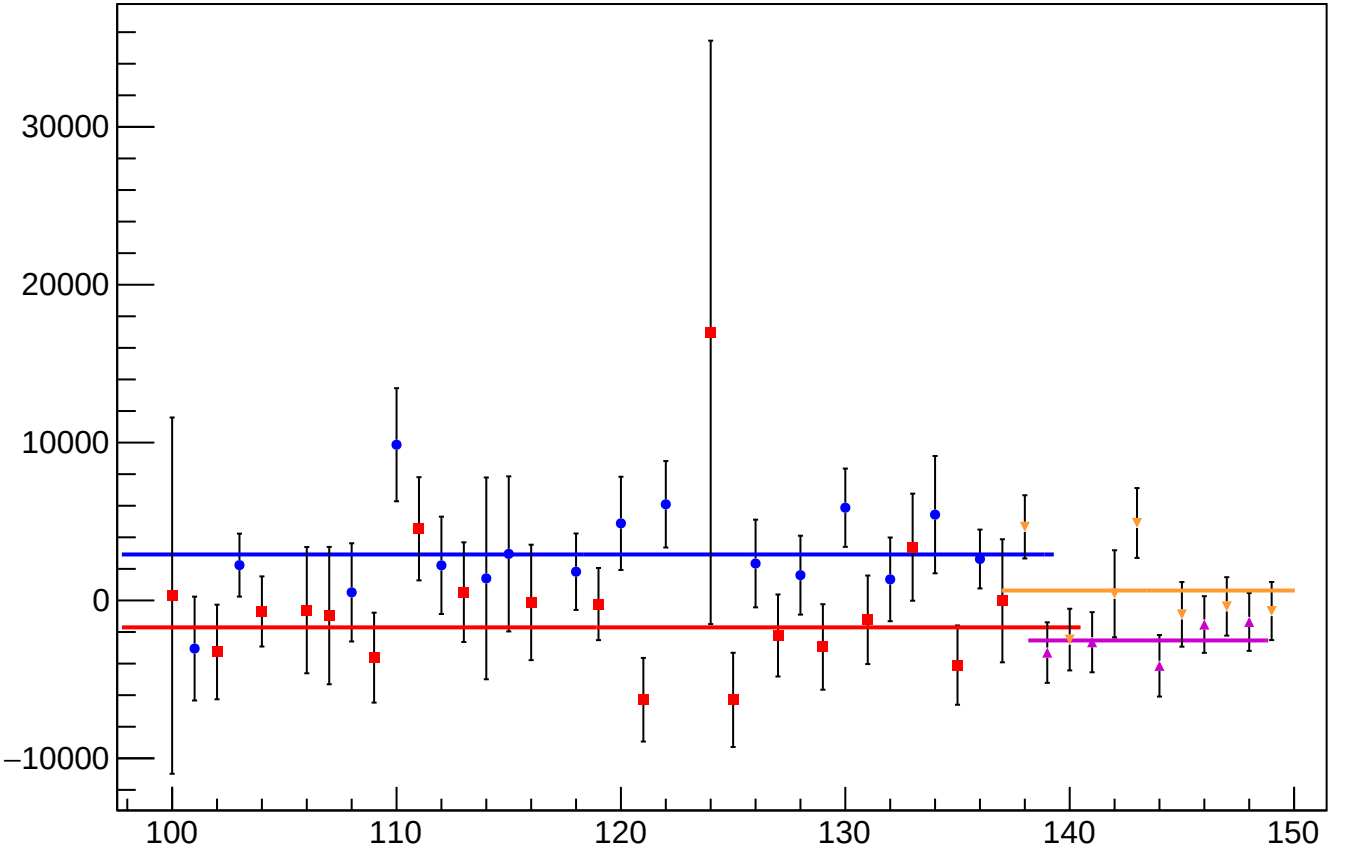
+ sign -0.000+/-0.000 χ^2/NDF: 12.9/22

All: -0.000+/-0.000 χ^2/NDF: 47.2/46

- 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:869110.5/6
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: 5989503.6/22
All: 0.000+/-0.000 χ²/NDF: 11412332.9/46
- 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: 629.811+/-773.145 χ^2/NDF:11.7/6

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

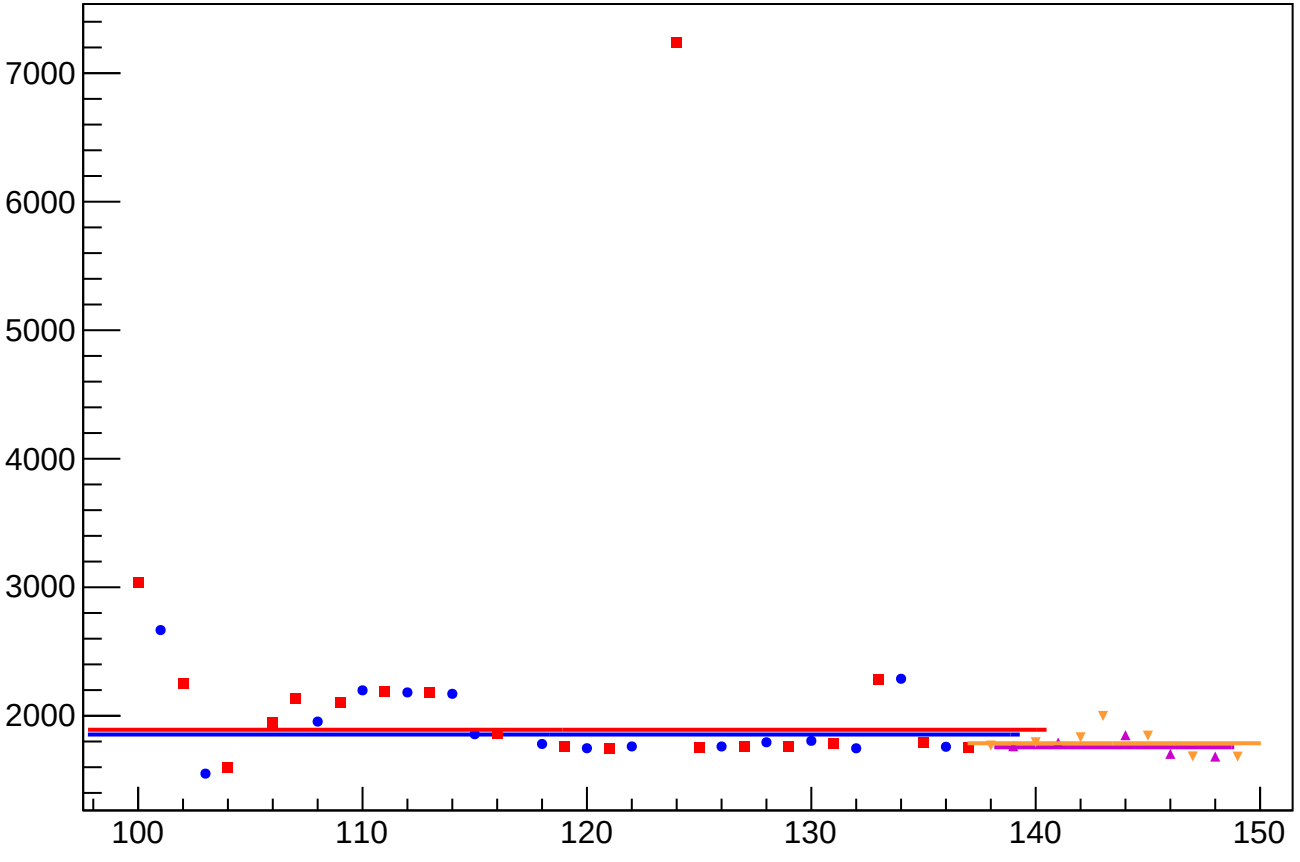
Left In: -2534.259+/-839.522 χ^2/NDF:1.6/4

+ sign 1892.484+/-516.891 χ^2/NDF: 28.9/22

All: 10.503+/-373.635 χ^2/NDF: 74.7/46

- 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: 1786.539+/-0.547 χ^2/NDF:33351.9/6

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

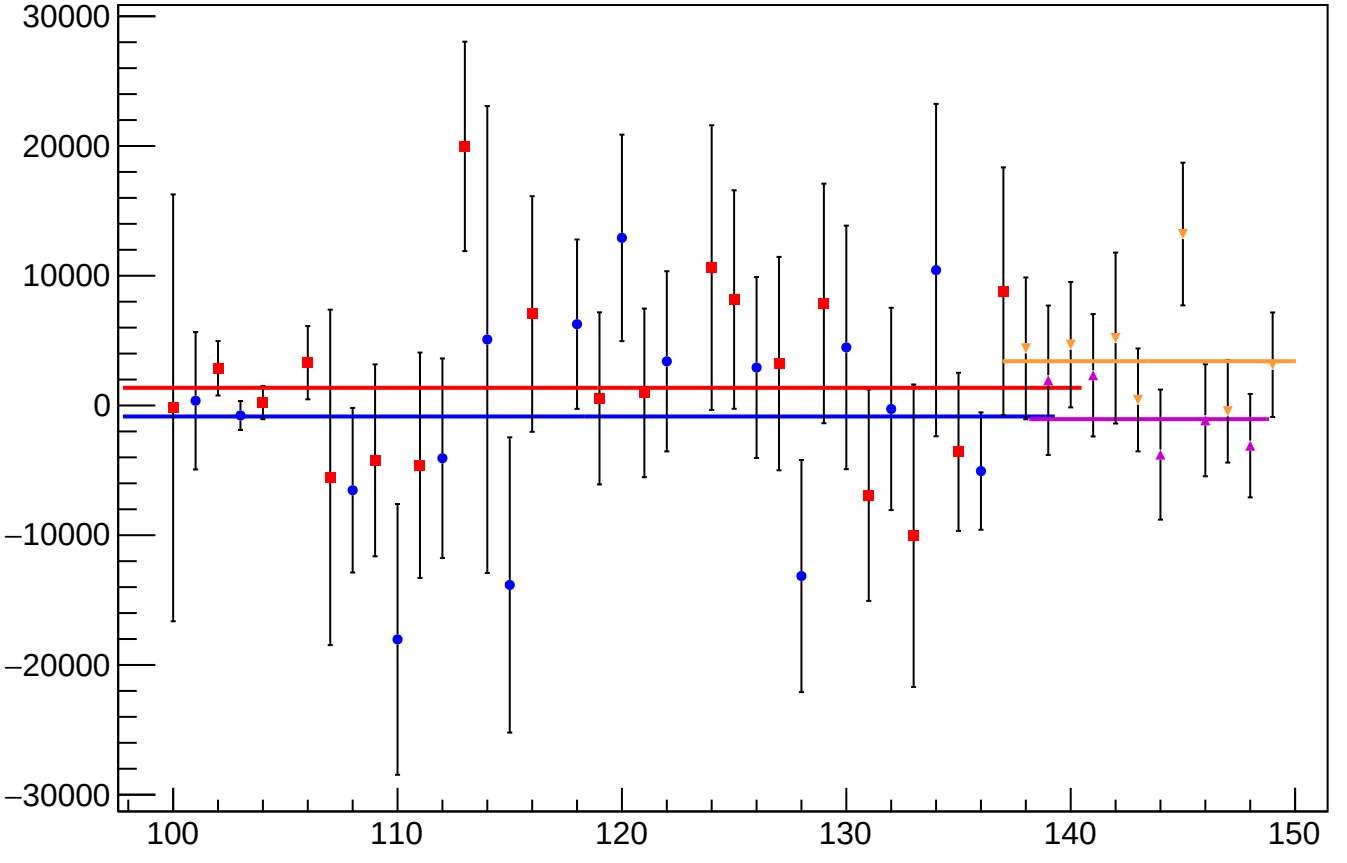
Left In: 1754.955+/-0.594 χ^2/NDF:10173.4/4

+ sign 1824.020+/-0.365 χ^2/NDF: 305174.1/22

All: 1829.267+/-0.264 χ^2/NDF: 710834.3/46

- 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: 3410.989+/-1763.510 χ^2/NDF:4.9/6

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

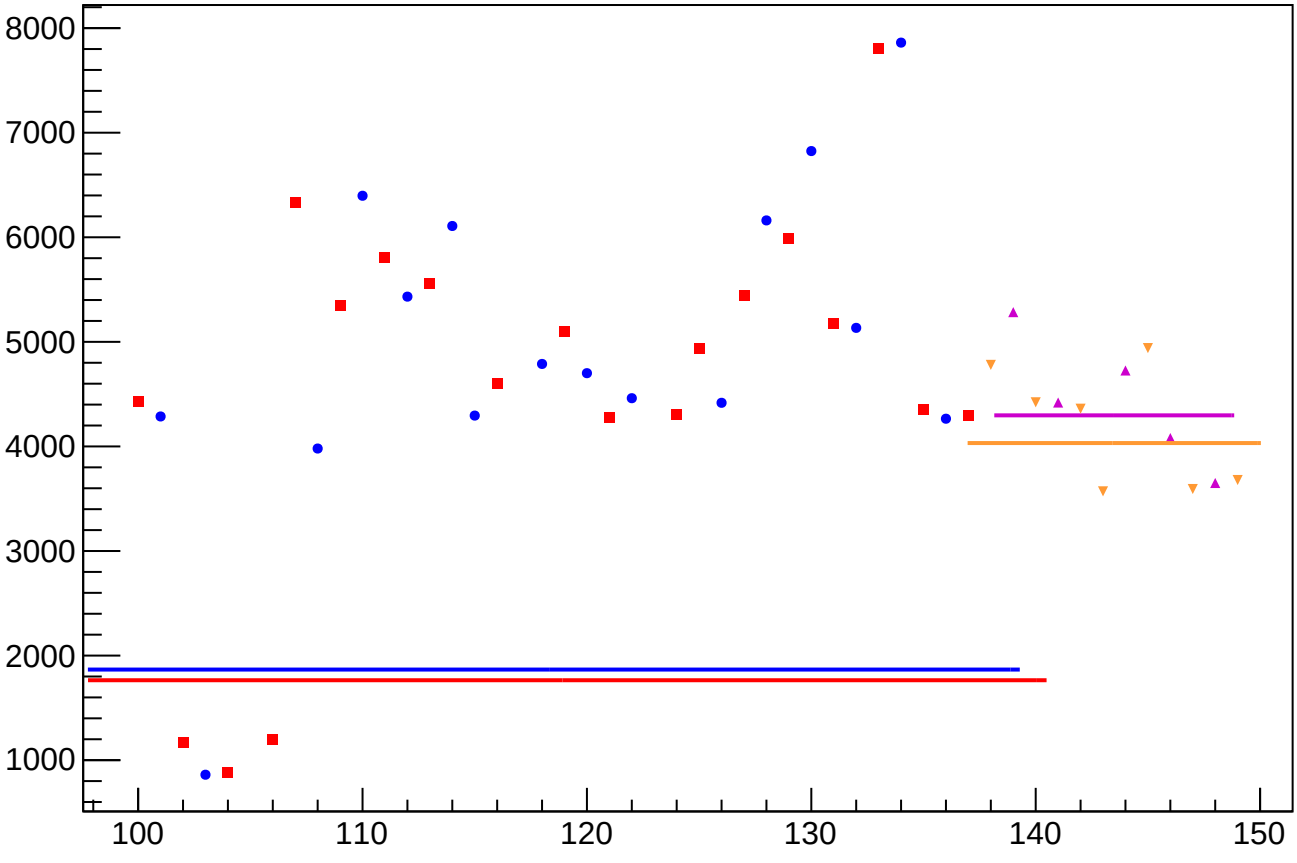
Left In: -1052.512+/-2078.128 χ^2/NDF:1.3/4

+ sign 130.174+/-845.140 χ^2/NDF: 23.2/22

All: 553.010+/-595.110 χ^2/NDF: 40.2/46

- 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: 4032.277+/-1.247 χ^2/NDF:177131.4/6

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

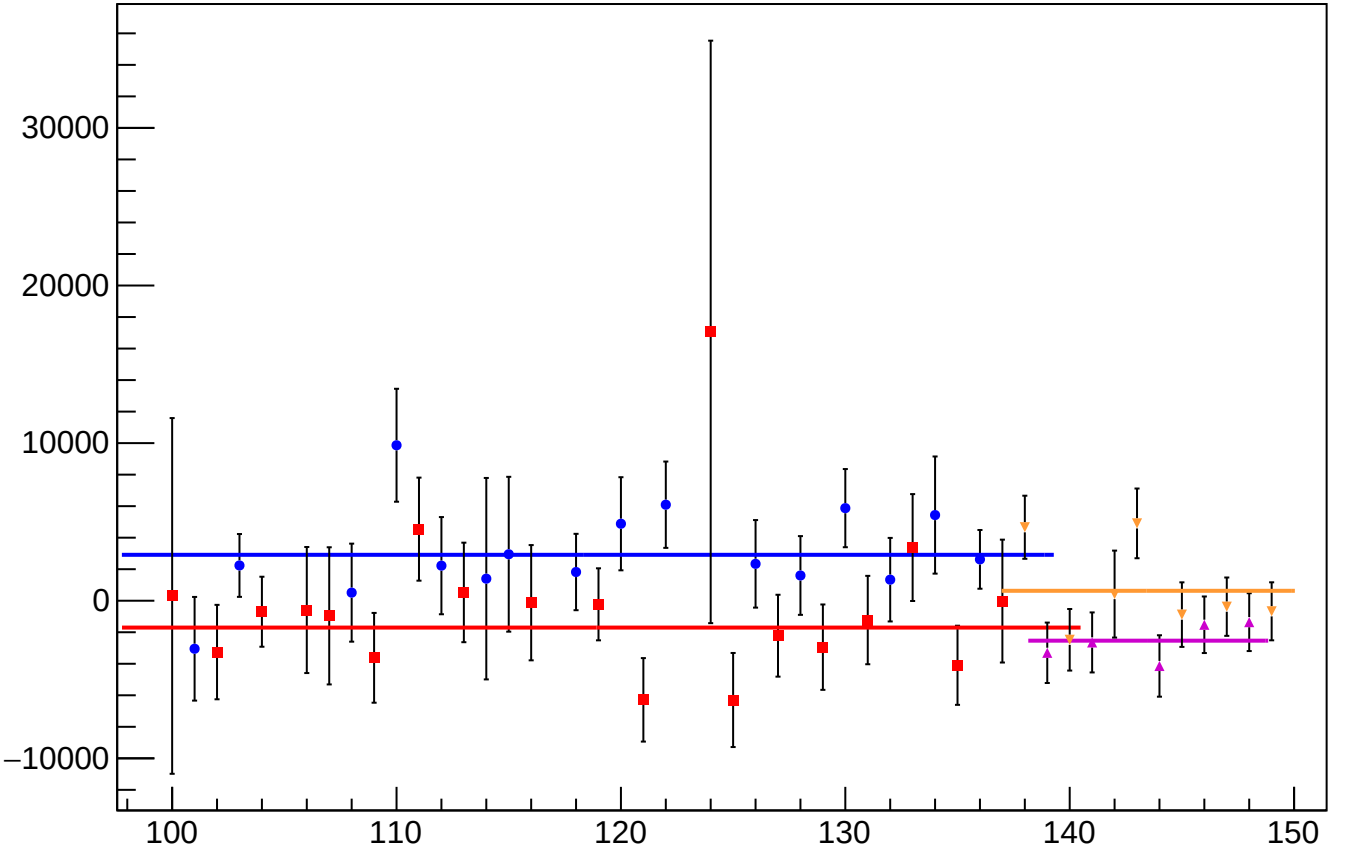
Left In: 4297.248+/-1.469 χ^2/NDF:132512.6/4

+ sign 2363.838+/-0.598 χ^2/NDF: 9350668.8/22

All: 2269.283+/-0.421 χ^2/NDF: 18455623.7/4

- 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: 629.696+/-773.145 χ^2/NDF:11.7/6

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

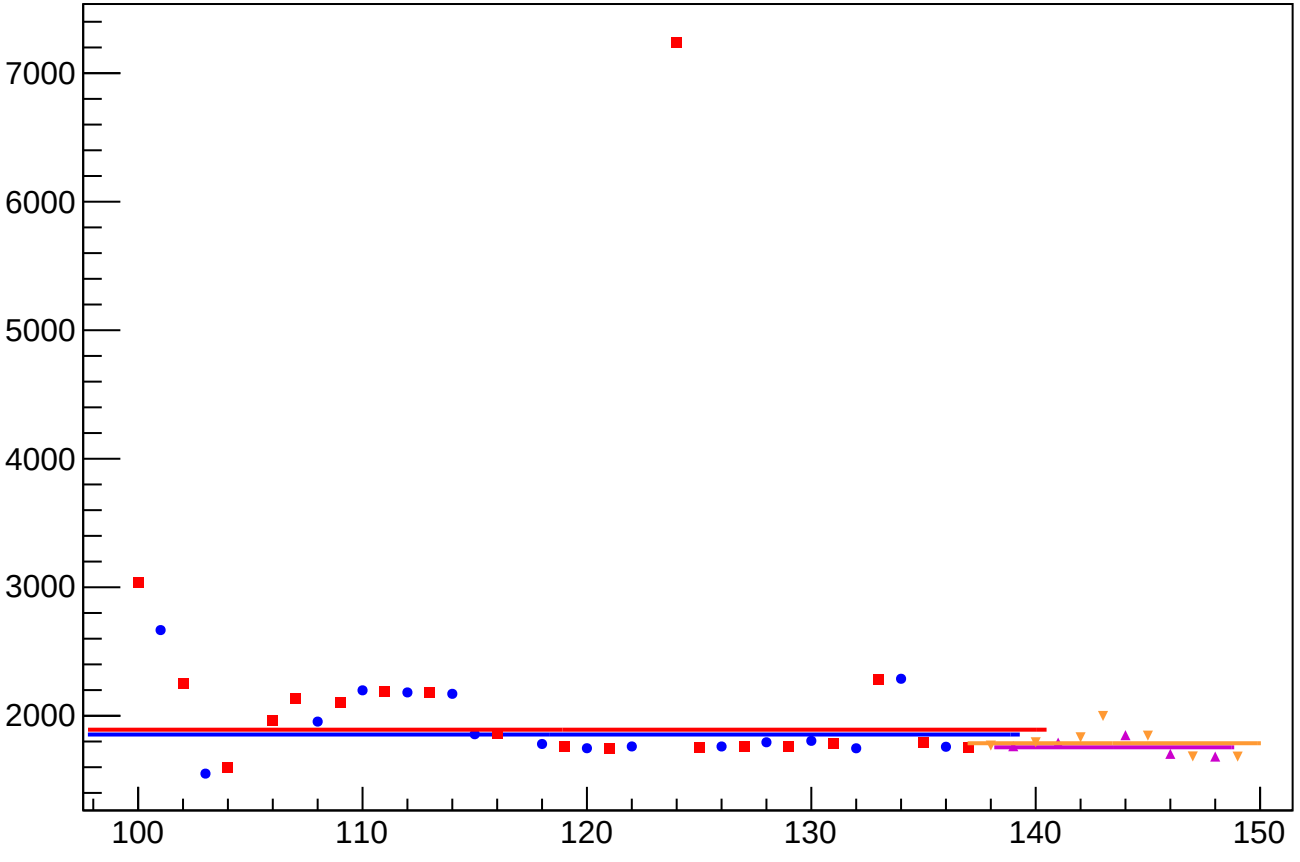
Left In: -2534.623+/-839.522 χ^2/NDF:1.6/4

+ sign 1892.488+/-516.891 χ^2/NDF: 28.9/22

All: 10.820+/-373.635 χ^2/NDF: 74.7/46

- 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: 1786.539+/-0.547 χ^2/NDF:33351.9/6

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

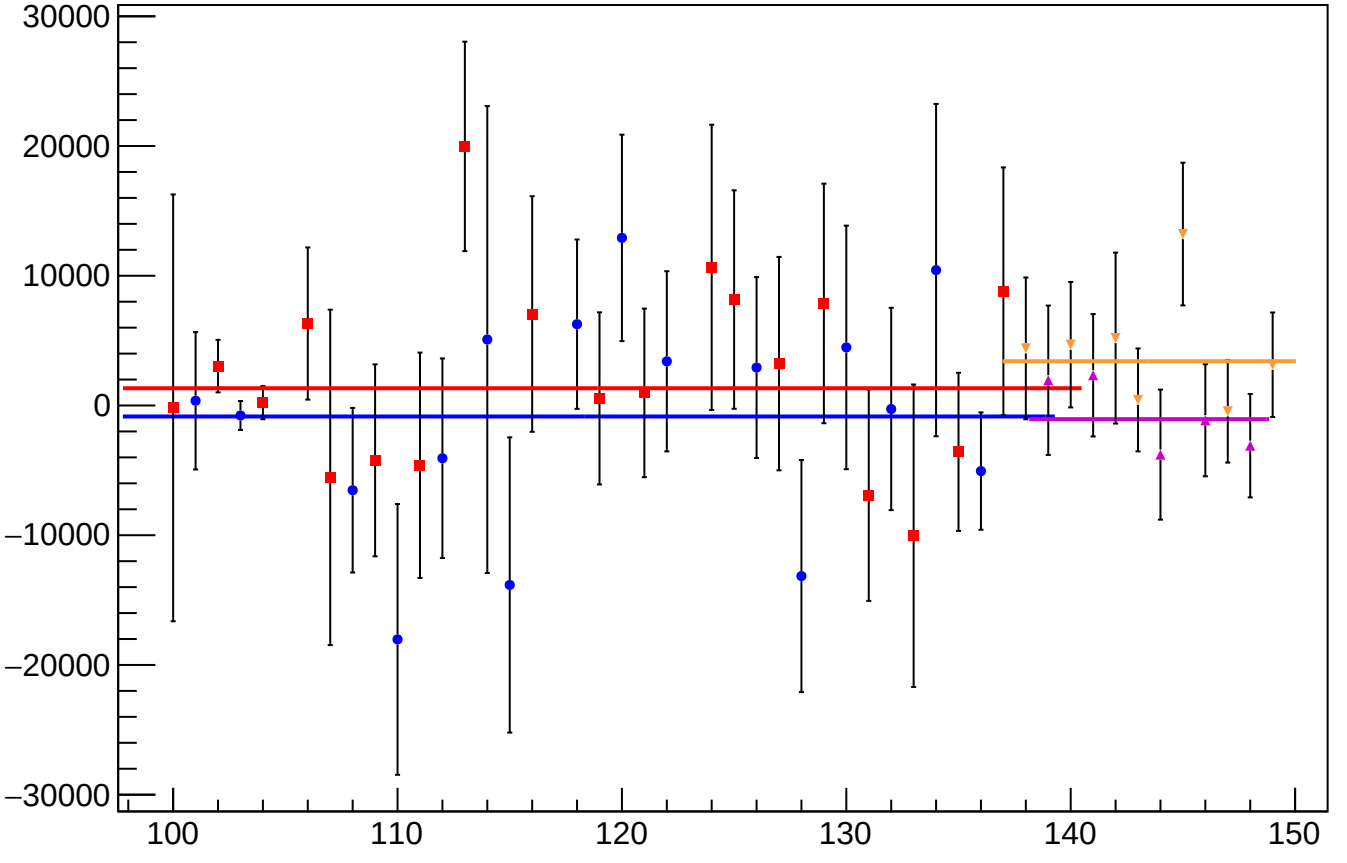
Left In: 1754.955+/-0.594 χ^2/NDF:10173.4/4

+ sign 1824.021+/-0.365 χ^2/NDF: 305173.9/22

All: 1829.388+/-0.264 χ^2/NDF: 711298.5/46

- 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: 3410.877+/-1763.505 χ^2/NDF:4.9/6

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

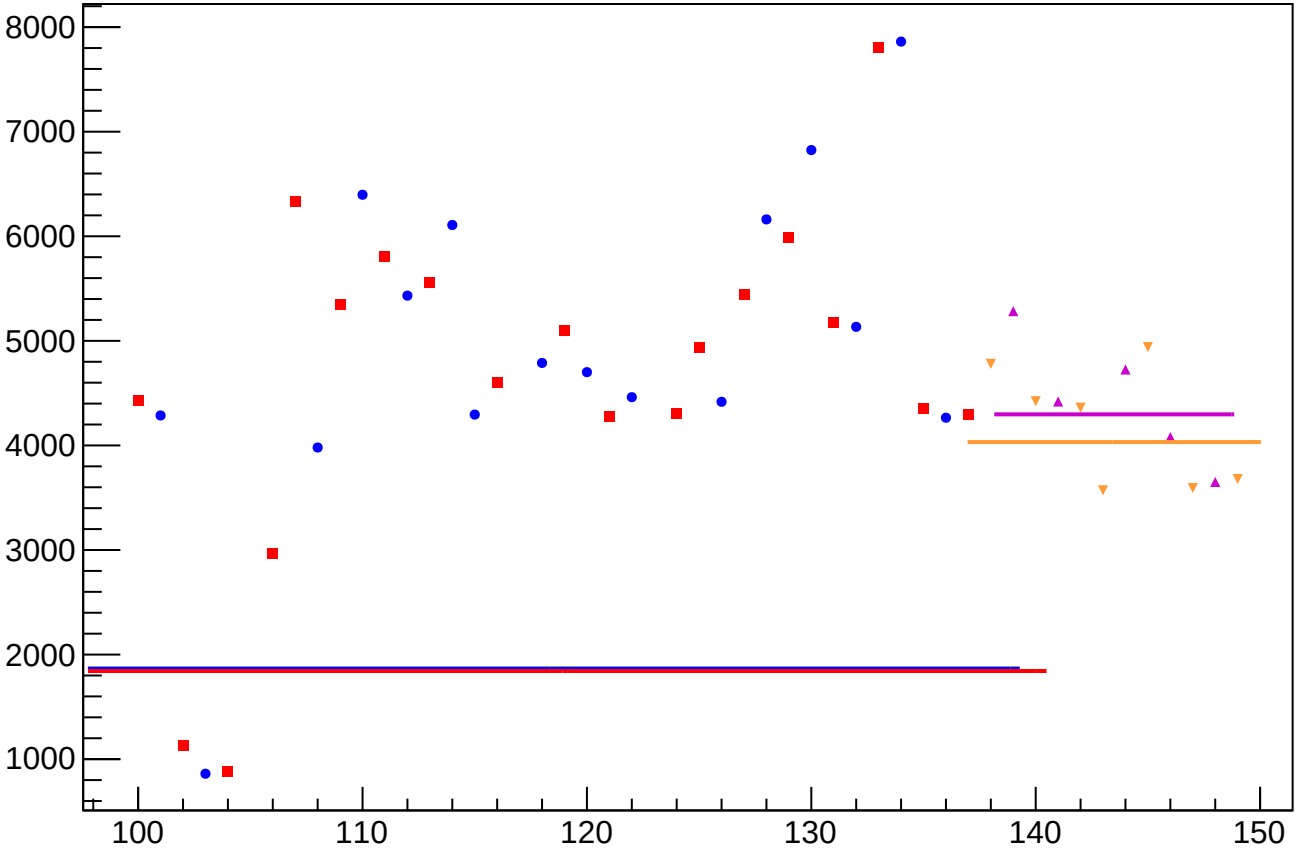
Left In: -1052.701+/-2078.125 χ^2/NDF:1.3/4

+ sign 130.434+/-845.104 χ^2/NDF: 23.2/22

All: 517.408+/-603.676 χ^2/NDF: 40.5/46

- 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: 4032.266+/-1.247 χ^2/NDF:177133.1/6

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

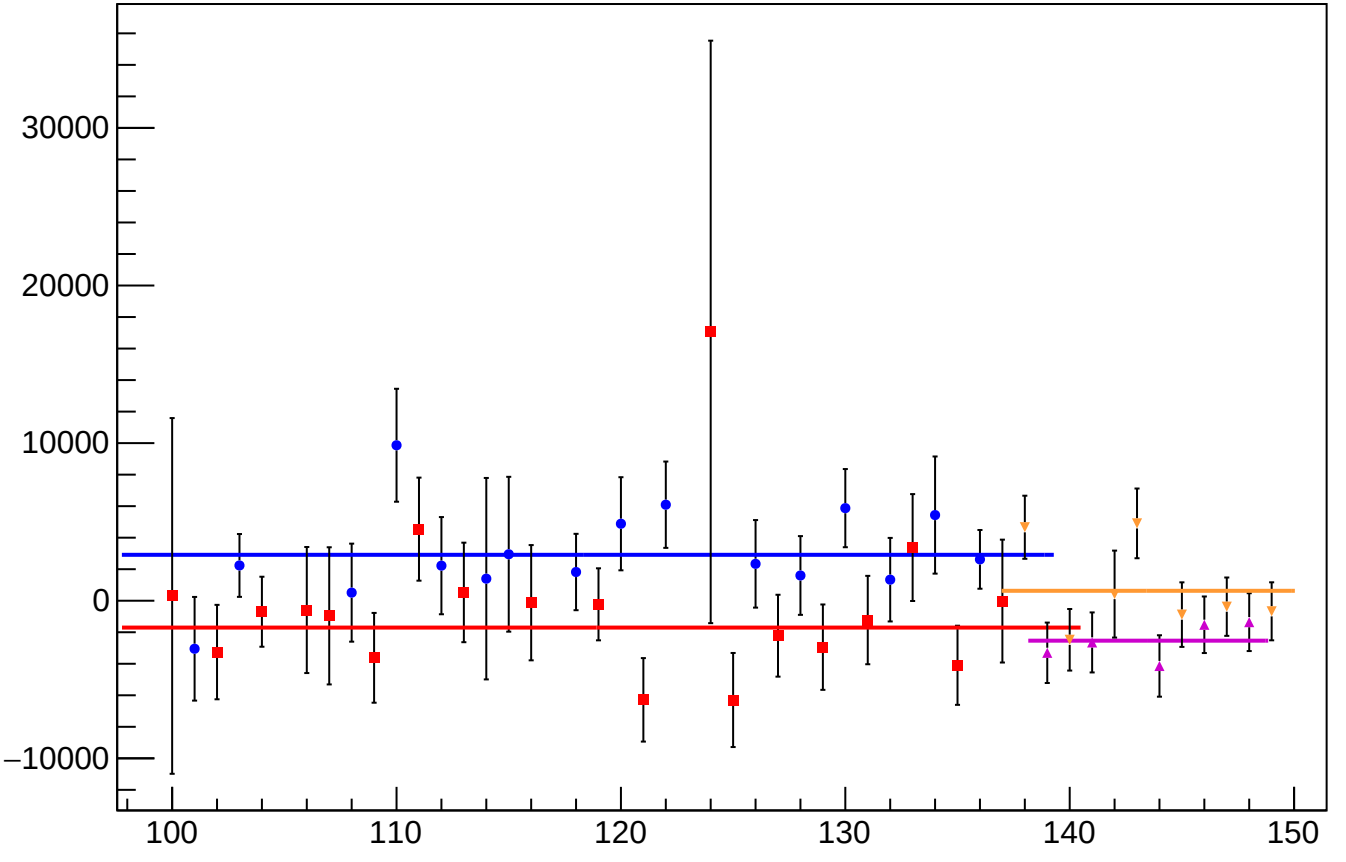
Left In: 4297.240+/-1.469 χ^2/NDF:132514.5/4

+ sign 2363.677+/-0.598 χ^2/NDF: 9351468.2/22

All: 2315.730+/-0.427 χ^2/NDF: 18264635.4/4

- 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: 629.696+/-773.145 χ^2/NDF:11.7/6

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

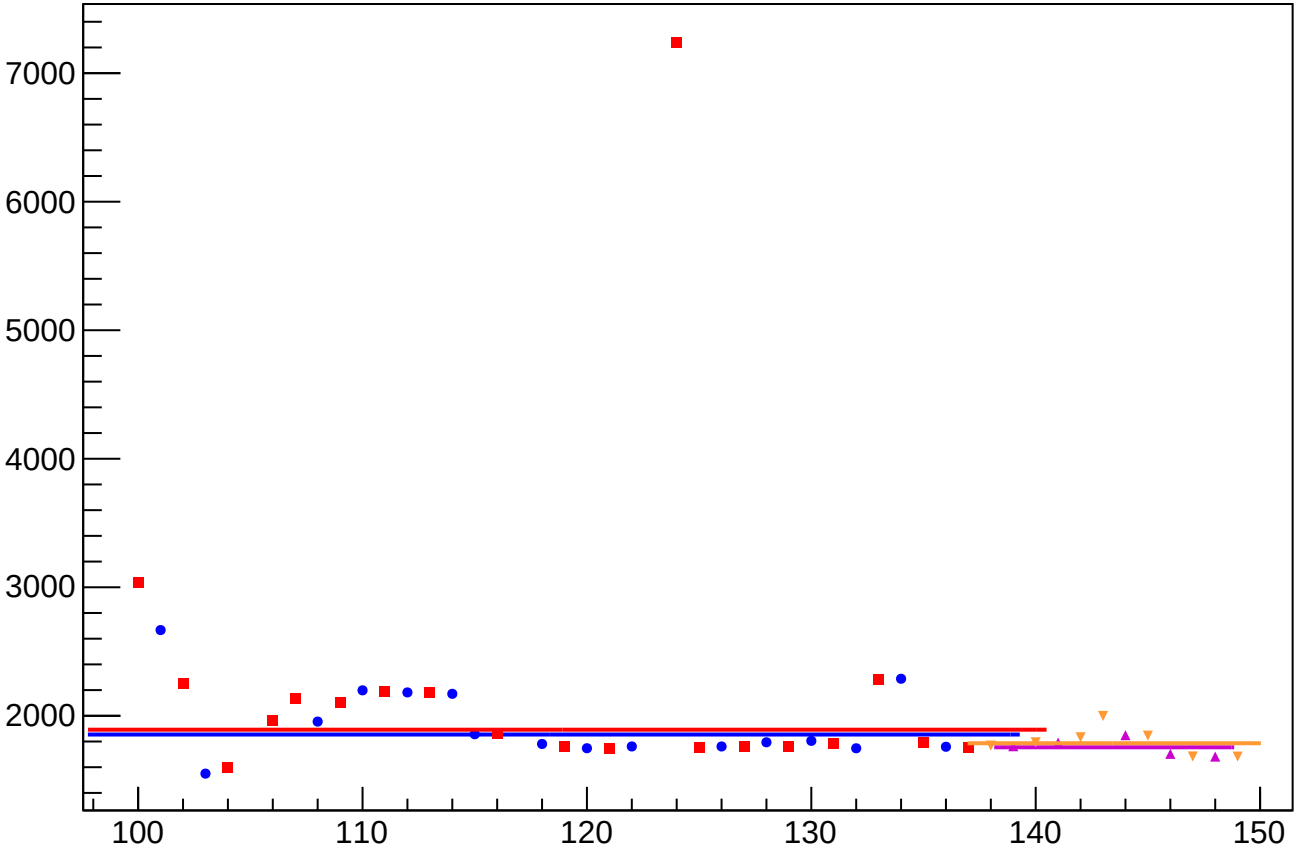
Left In: -2534.623+/-839.522 χ^2/NDF:1.6/4

+ sign 1892.488+/-516.891 χ^2/NDF: 28.9/22

All: 10.820+/-373.635 χ^2/NDF: 74.7/46

- 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: 1786.539+/-0.547 χ^2/NDF:33351.9/6

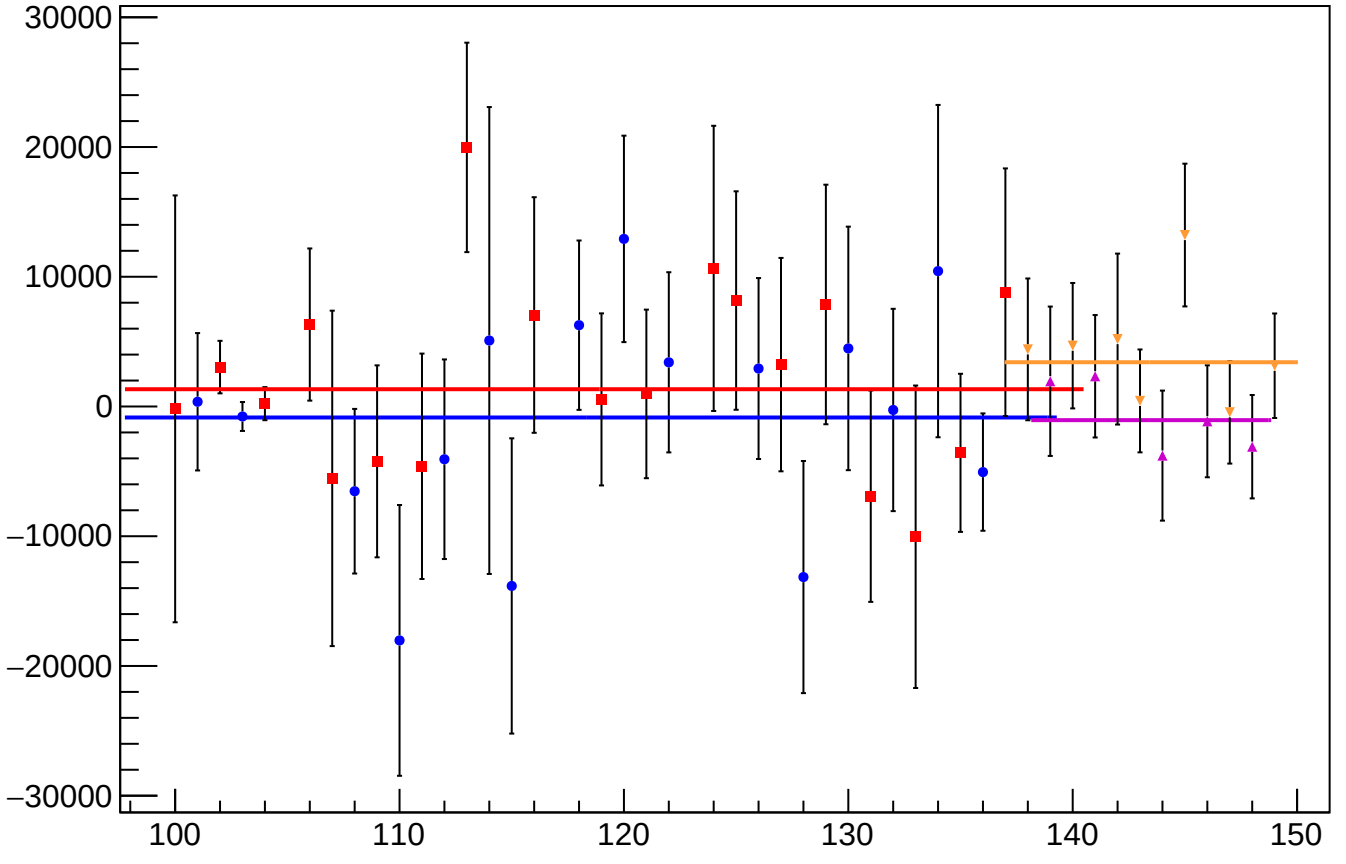
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1754.955+/-0.594 χ^2/NDF:10173.4/4

+ sign 1824.021+/-0.365 χ^2/NDF: 305173.9/22

All: 1829.388+/-0.264 χ^2/NDF: 711298.5/46

- sign 1835.247+/-0.382 χ^2/NDF: 405673.5/23



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 3410.877+/-1763.505 χ^2/NDF:4.9/6

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

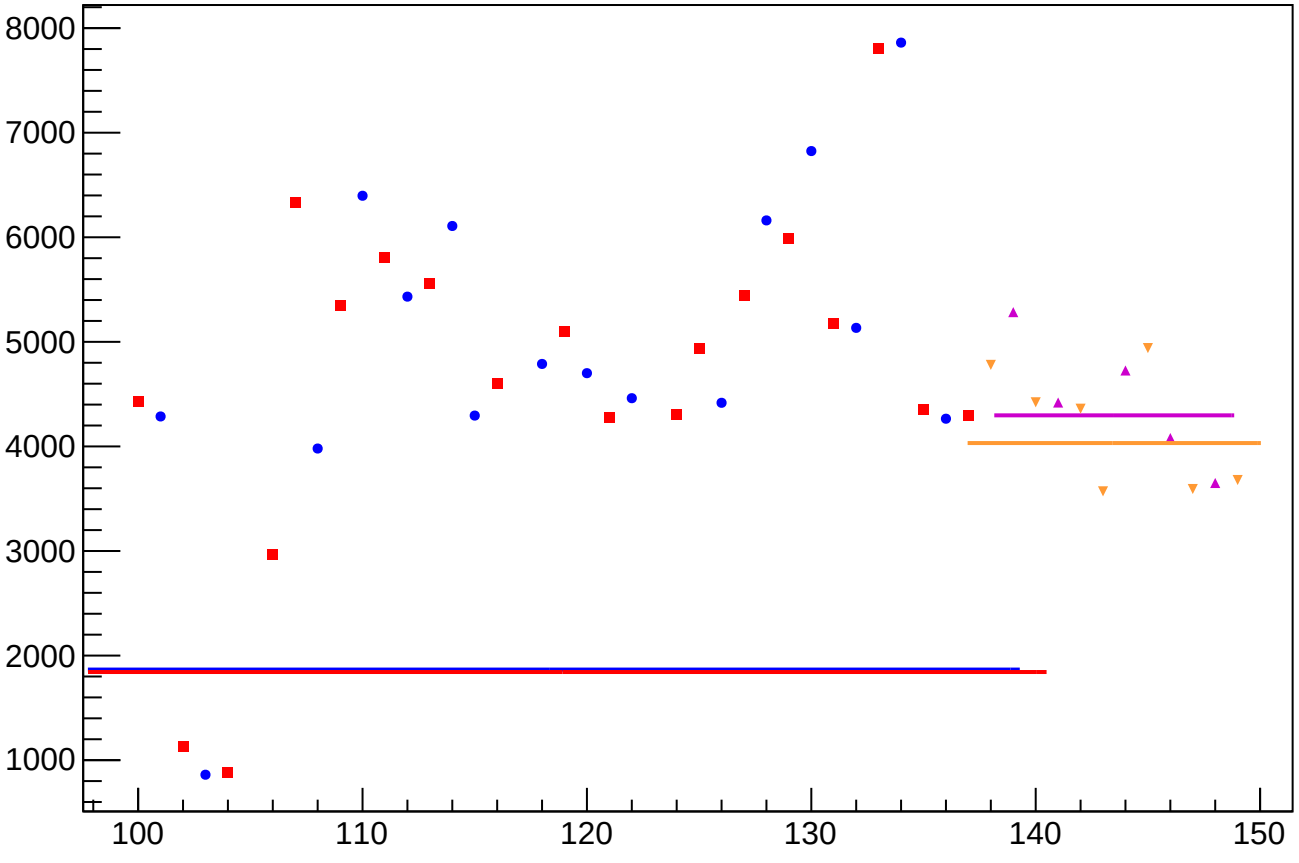
Left In: -1052.701+/-2078.125 χ^2/NDF:1.3/4

+ sign 130.434+/-845.104 χ^2/NDF: 23.2/22

All: 517.408+/-603.676 χ^2/NDF: 40.5/46

- 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: 4032.266+/-1.247 χ^2/NDF:177133.1/6

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

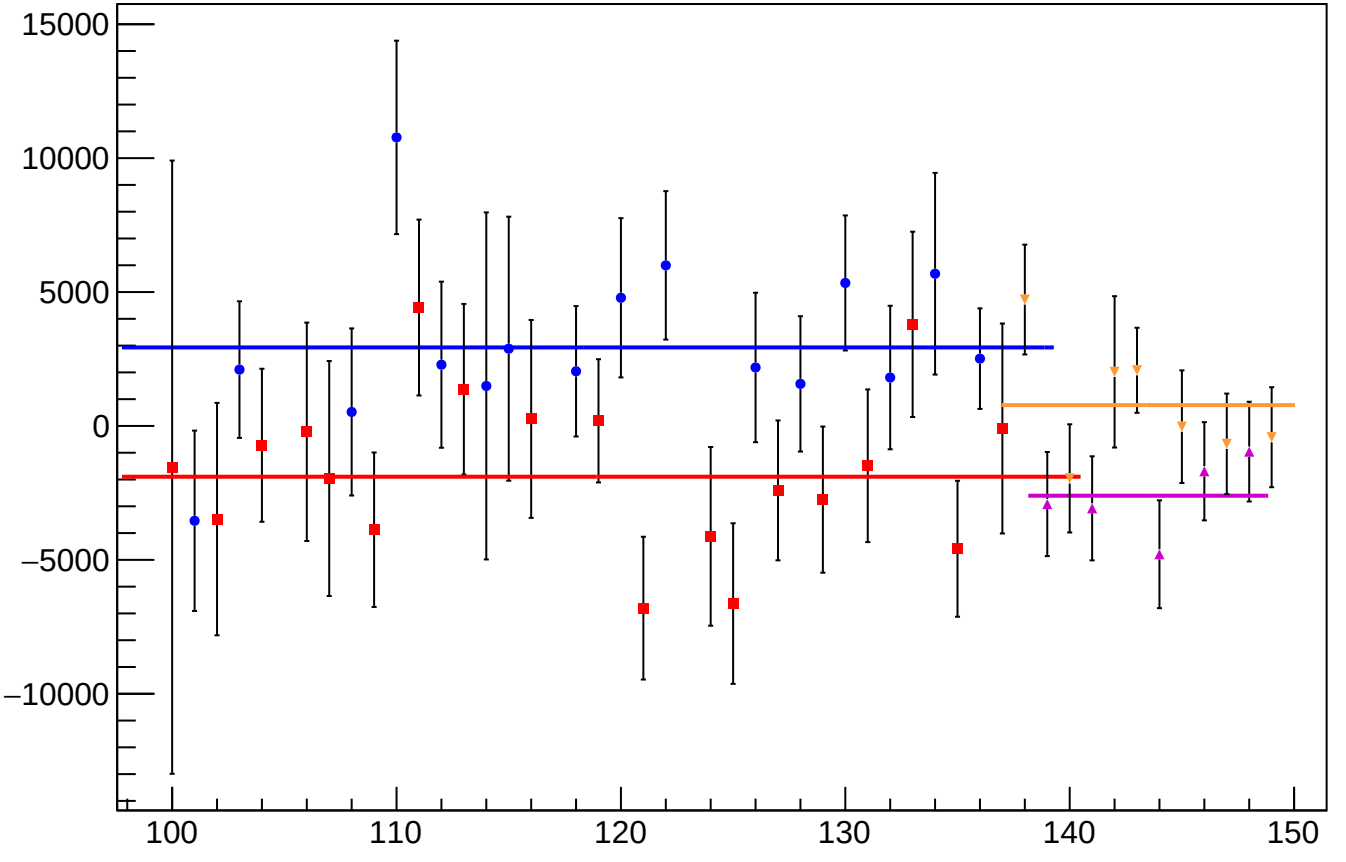
Left In: 4297.240+/-1.469 χ^2/NDF:132514.5/4

+ sign 2363.677+/-0.598 χ^2/NDF: 9351468.2/22

All: 2315.730+/-0.427 χ^2/NDF: 18264635.4/4

- 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: 778.645+/-744.937 χ^2/NDF:7.5/6

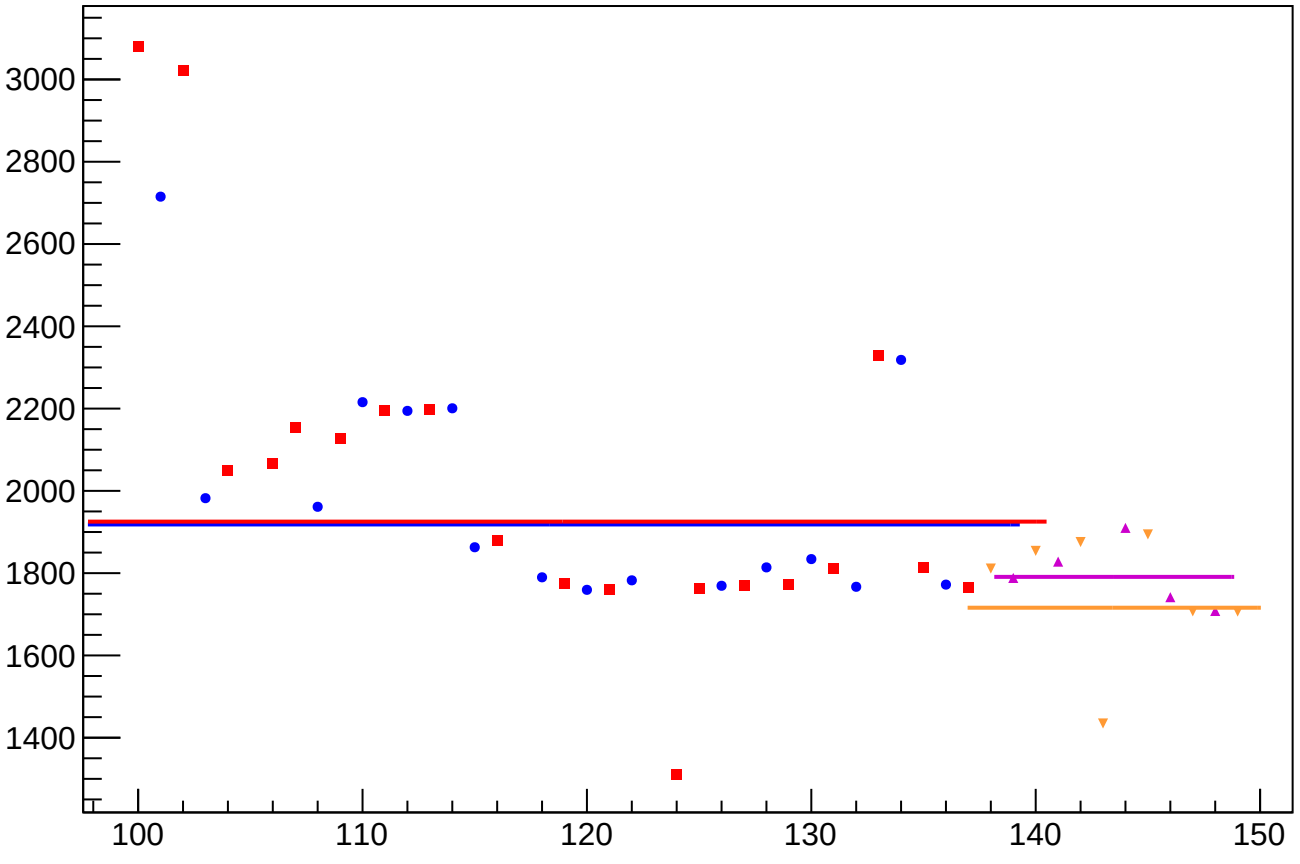
Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: -2605.313+/-856.943 χ^2/NDF:2.3/4

+ sign 1894.341+/-517.077 χ^2/NDF: 24.9/22

All: -14.150+/-377.413 χ^2/NDF: 74.1/46

- sign -2190.162+/-552.130 χ^2/NDF: 20.1/23



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1715.986+/-0.527 χ^2/NDF:97318.4/6

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

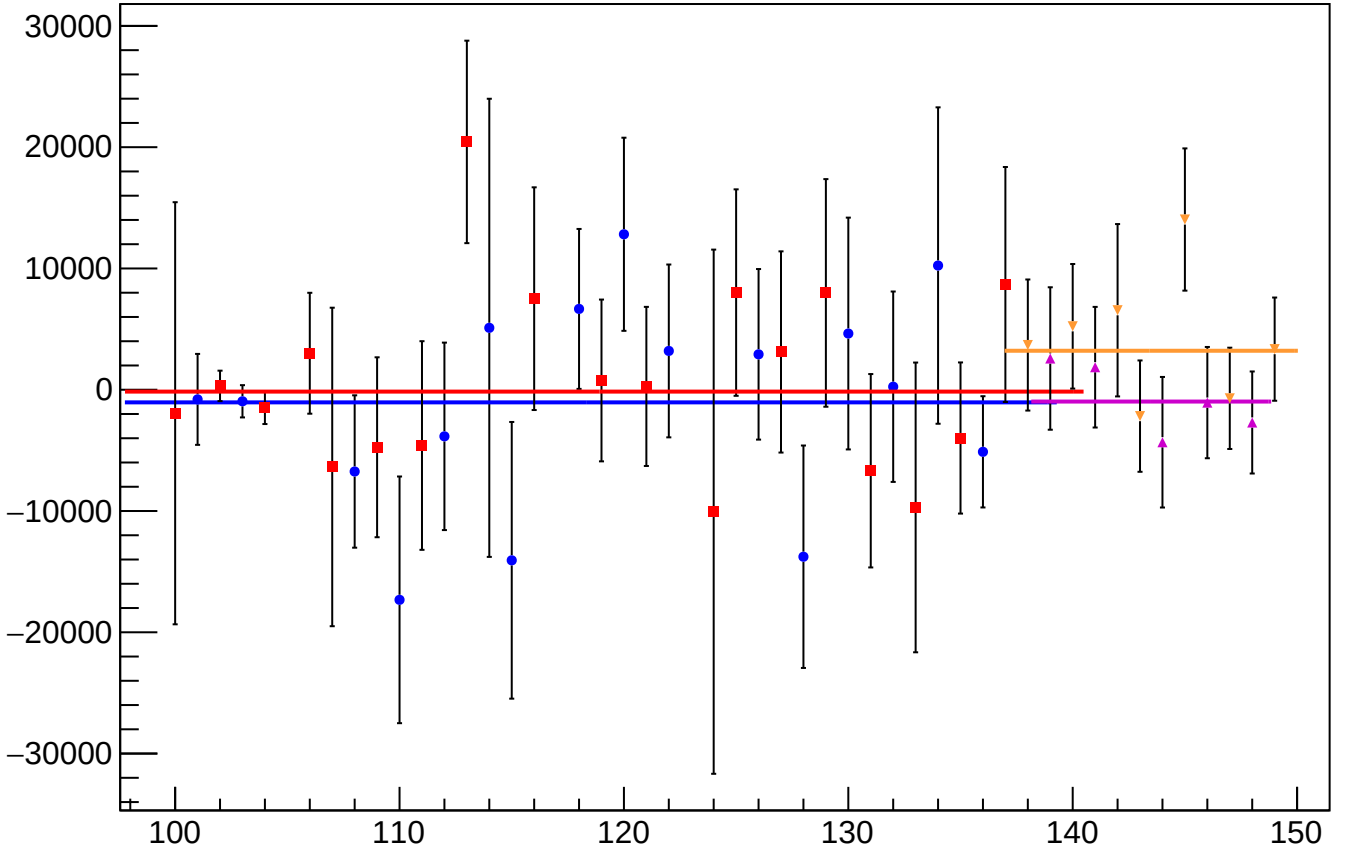
Left In: 1790.948+/-0.606 χ^2/NDF:13138.2/4

+ sign 1820.859+/-0.366 χ^2/NDF: 389404.5/22

All: 1843.625+/-0.267 χ^2/NDF: 778686.1/46

- 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: 3214.227+/-1886.279 χ^2/NDF:6.1/6

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

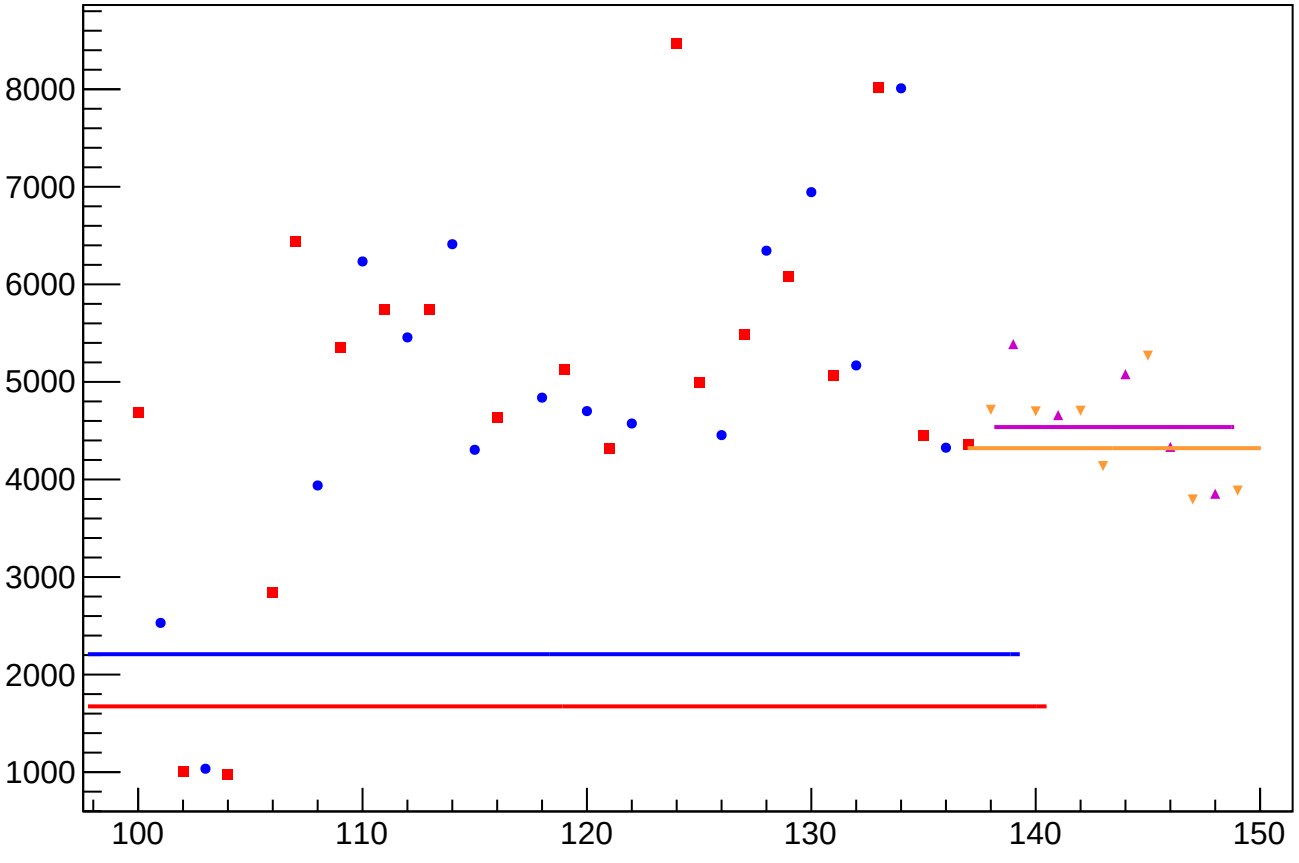
Left In: -974.307+/-2192.912 χ^2/NDF:1.2/4

\+ sign -2.256+/-932.271 χ^2/NDF: 23.7/22

All: -152.367+/-598.627 χ^2/NDF: 38.9/46

\- 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: 4321.030+/-1.334 χ^2/NDF:135317.1/6

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

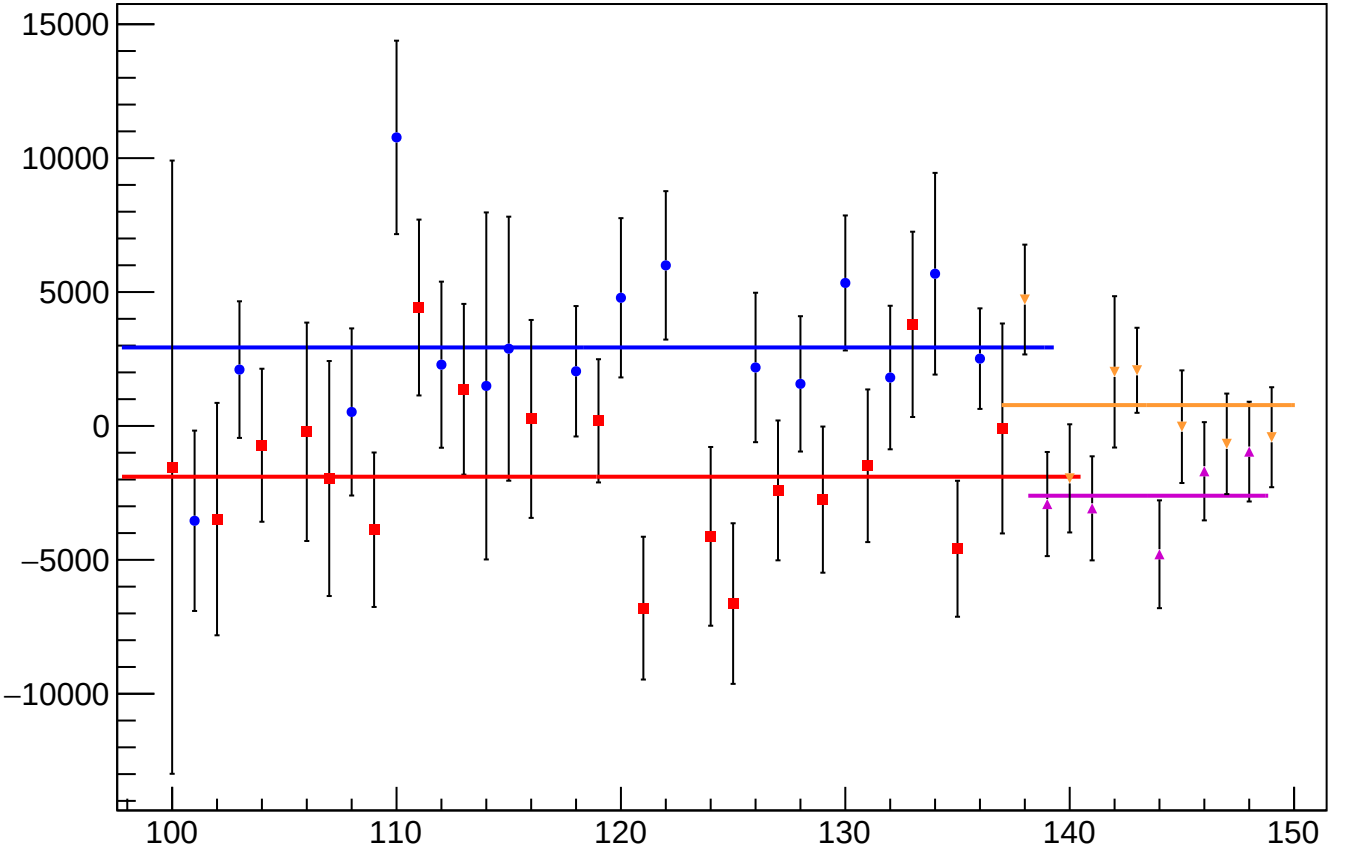
Left In: 4537.400+/-1.551 χ^2/NDF:120172.4/4

+ sign 2724.842+/-0.659 χ^2/NDF: 7529376.1/22

All: 2320.739+/-0.423 χ^2/NDF: 18119428.4/4

- 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: 778.646+/-744.938 χ^2/NDF:7.5/6

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

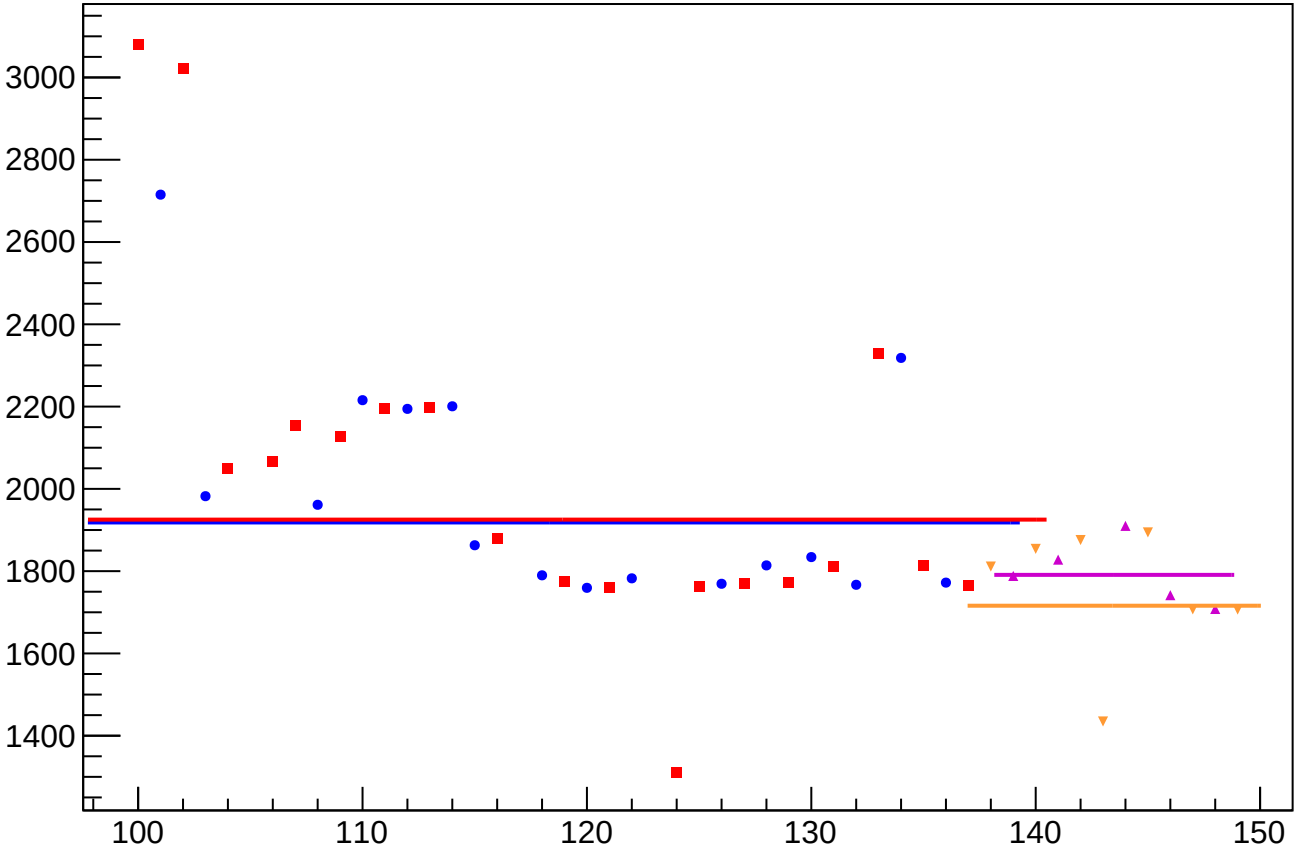
Left In: -2605.307+/-856.944 χ^2/NDF:2.3/4

+ sign 1894.344+/-517.077 χ^2/NDF: 24.9/22

All: -14.149+/-377.413 χ^2/NDF: 74.1/46

- 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: 1715.987+/-0.527 χ^2/NDF:97317.5/6

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

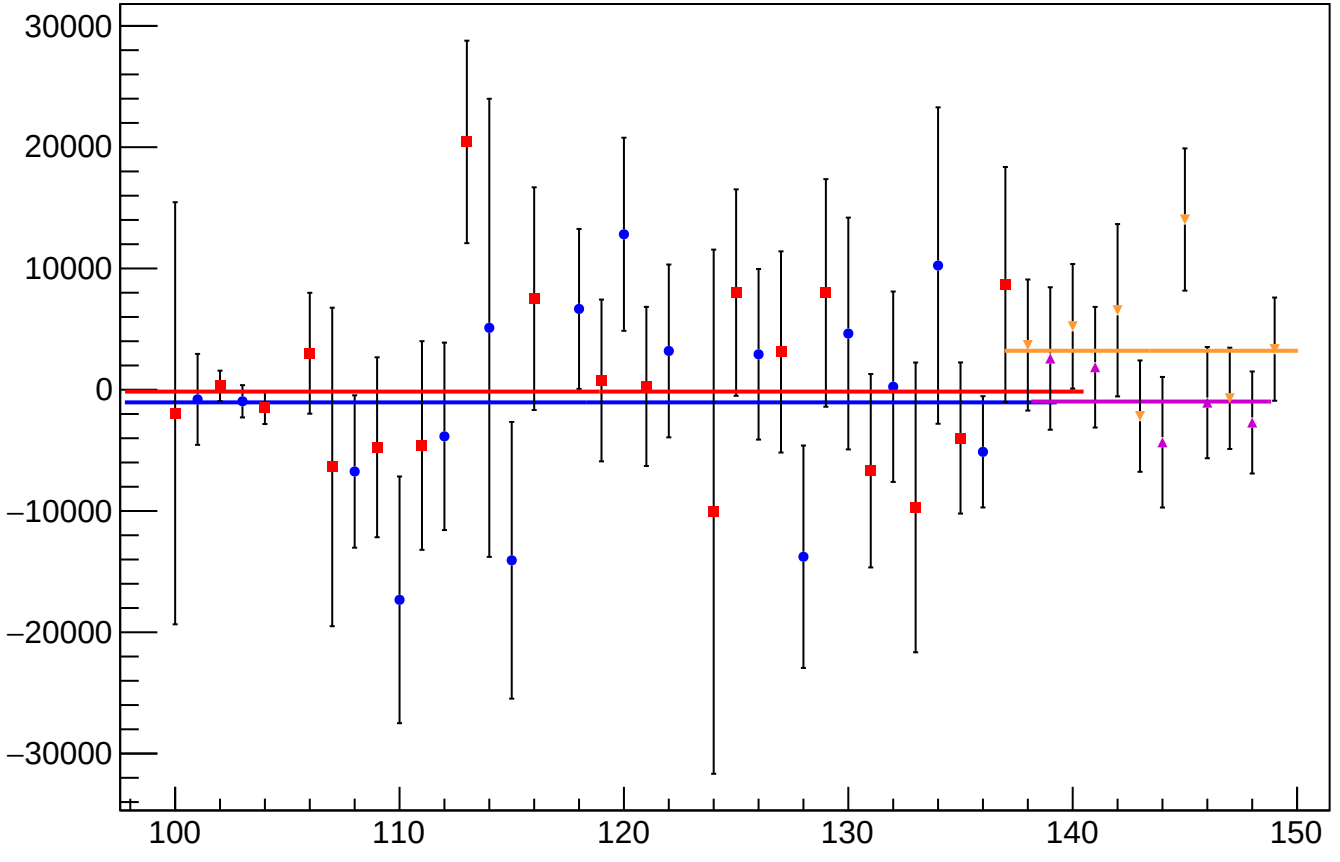
Left In: 1790.949+/-0.606 χ^2/NDF:13138.1/4

\+ sign 1820.859+/-0.366 χ^2/NDF: 389402.2/22

All: 1843.625+/-0.267 χ^2/NDF: 778682.0/46

\- sign 1869.557+/-0.390 χ^2/NDF: 380986.7/23

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 3214.231+/-1886.282 χ^2/NDF:6.1/6

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

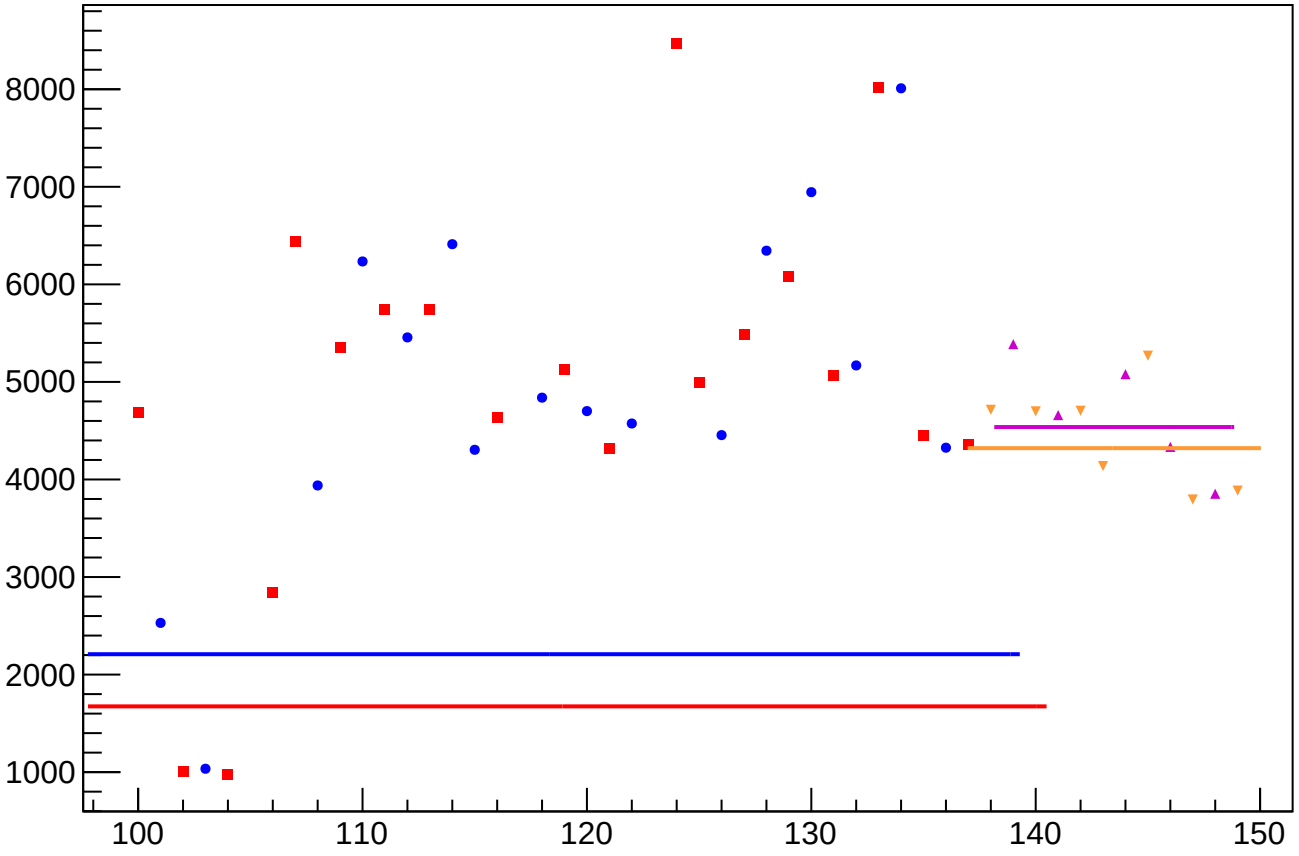
Left In: -974.299+/-2192.915 χ^2/NDF:1.2/4

\+ sign -2.257+/-932.271 χ^2/NDF: 23.7/22

All: -152.364+/-598.627 χ^2/NDF: 38.9/46

\- 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: 4321.036+/-1.334 χ^2/NDF:135316.7/6

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

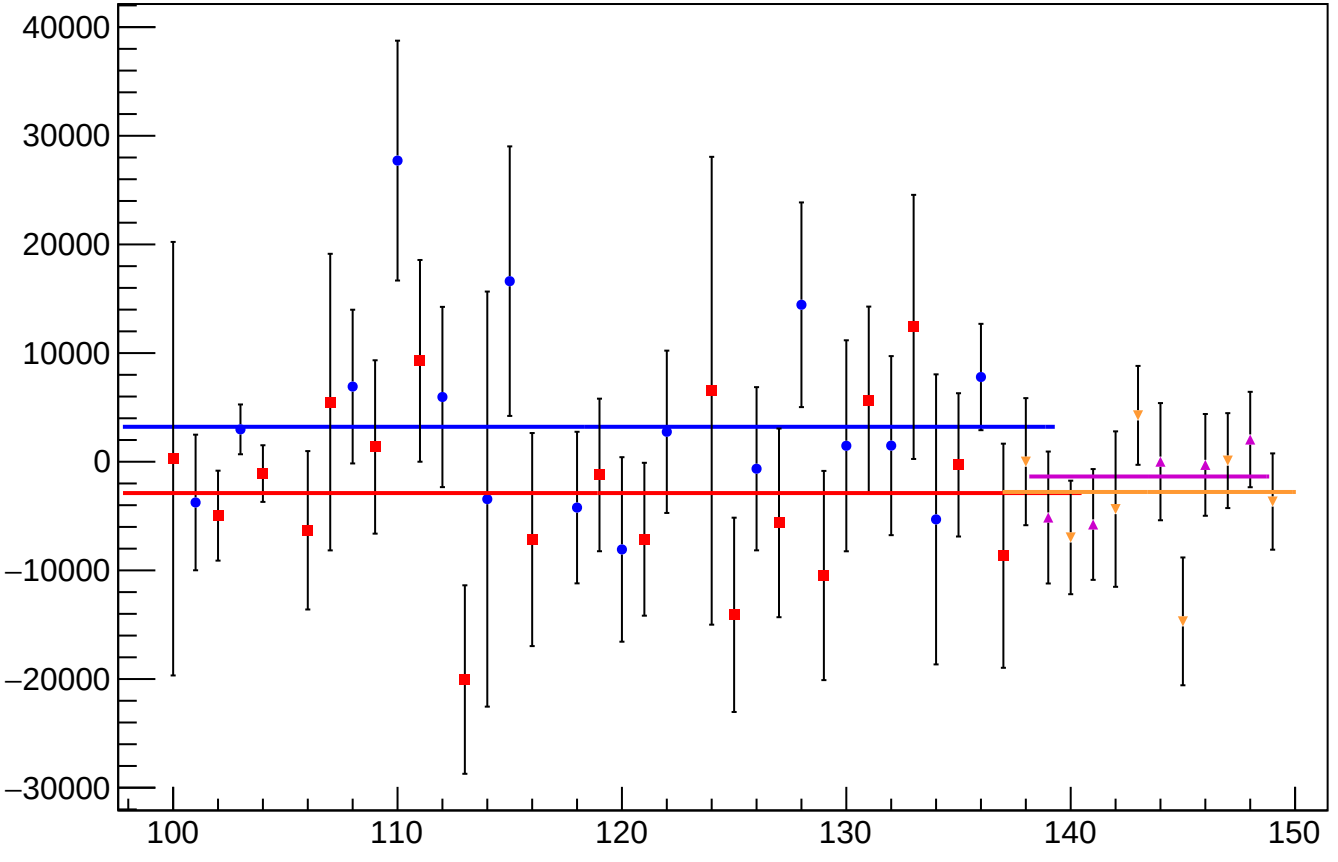
Left In: 4537.407+/-1.551 χ^2/NDF:120172.0/4

+ sign 2724.841+/-0.659 χ^2/NDF: 7529378.3/22

All: 2320.739+/-0.423 χ^2/NDF: 18119429.3/4

- 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: -2783.164+/-1939.180 χ^2/NDF:7.9/6

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

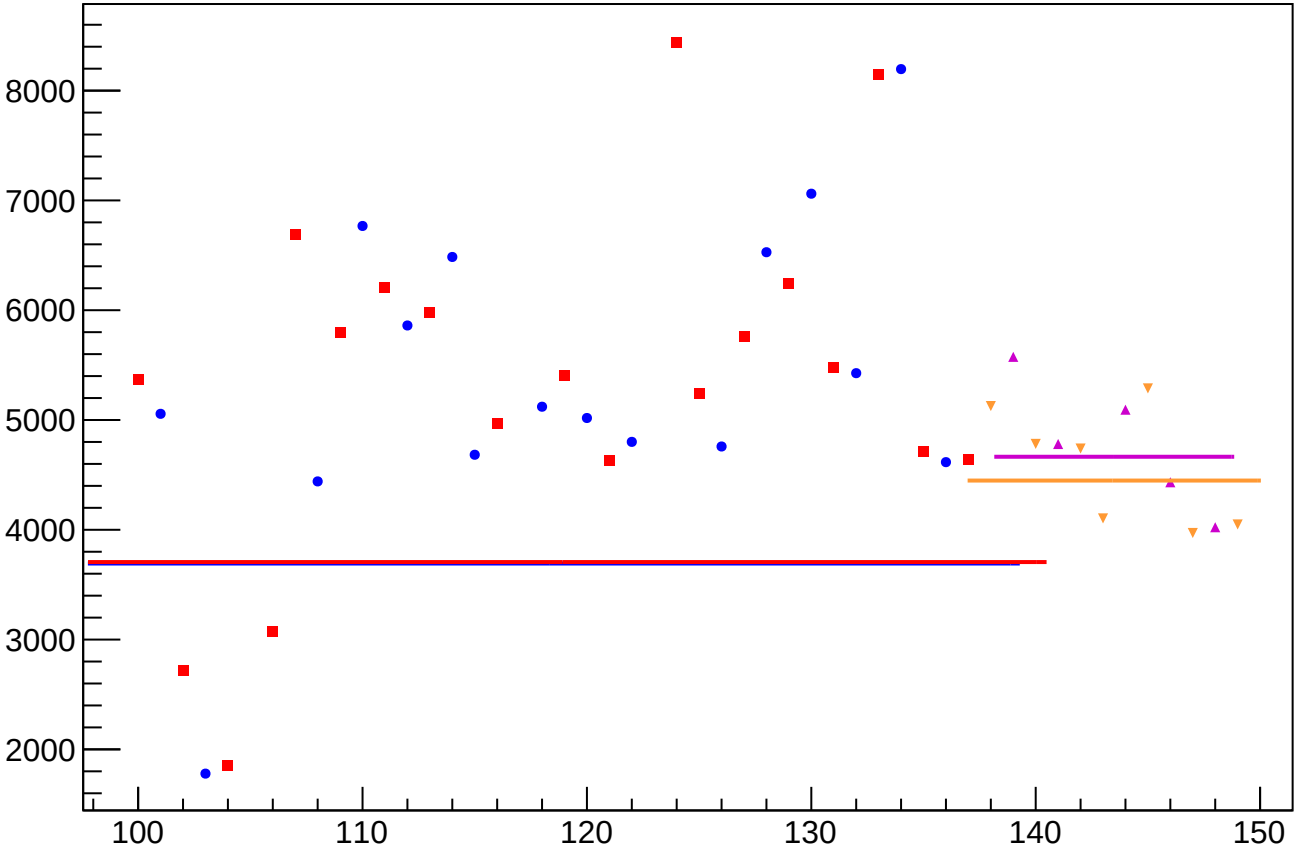
Left In: -1358.911+/-2250.482 χ^2/NDF:1.9/4

+ sign 896.959+/-1205.617 χ^2/NDF: 27.6/22

All: -652.125+/-876.879 χ^2/NDF: 46.6/46

- 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: 4448.458+/-1.371 χ^2/NDF:130810.5/6

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

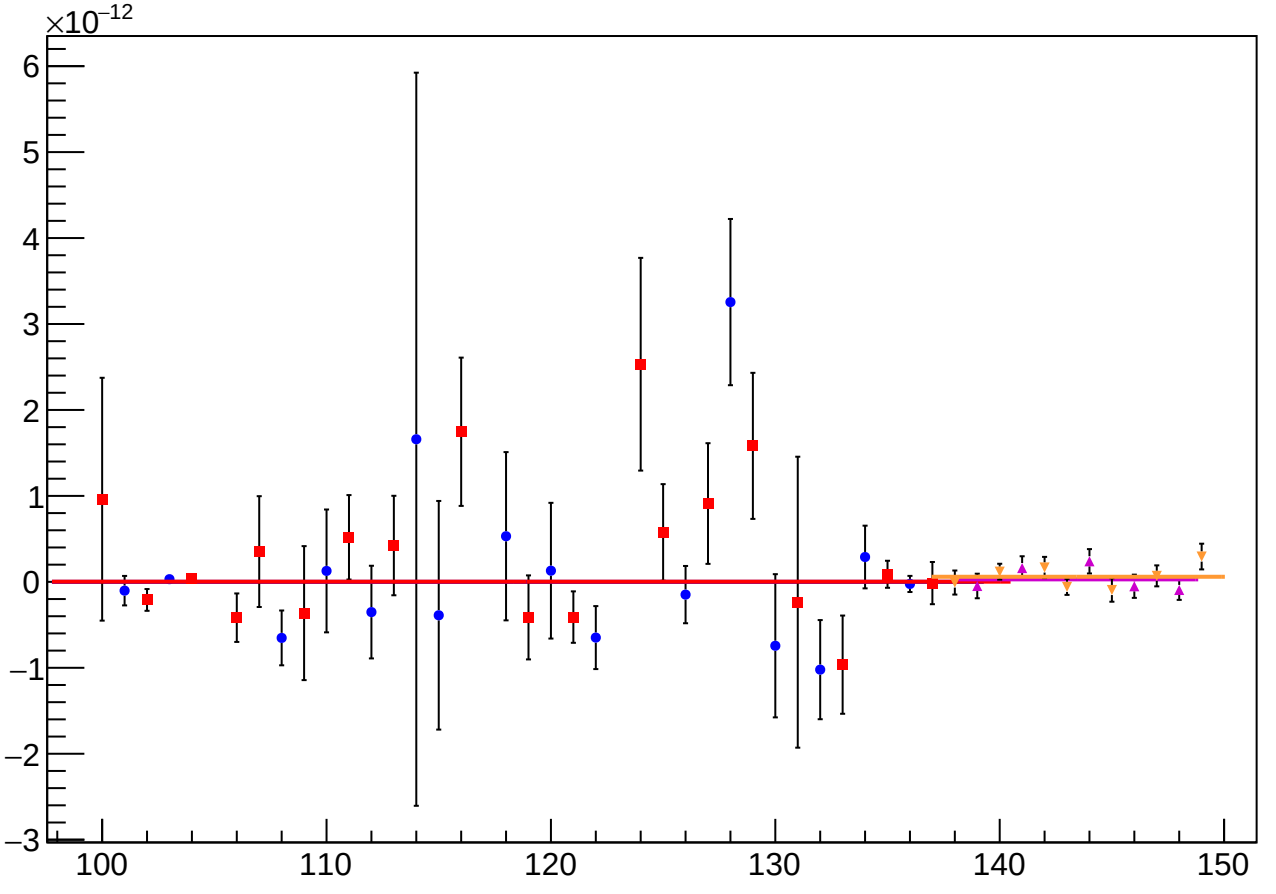
Left In: 4665.237+/-1.591 χ^2/NDF:106290.9/4

+ sign 3984.893+/-0.852 χ^2/NDF: 3202771.9/22

All: 3997.309+/-0.618 χ^2/NDF: 6241814.2/46

- 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:6.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

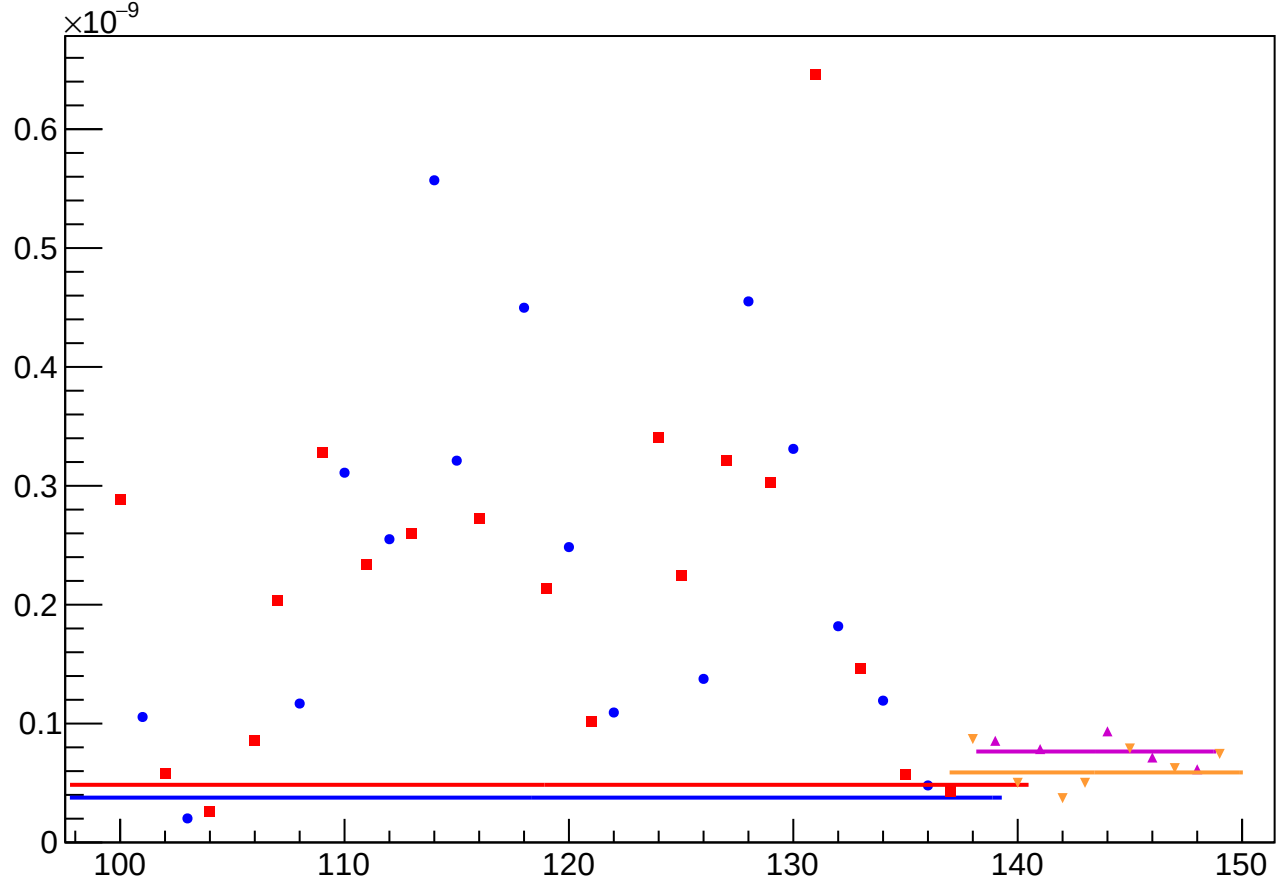
Left In: 0.000+/-0.000 χ^2/NDF:4.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 33.2/22

All: 0.000+/-0.000 χ^2/NDF: 66.5/46

- sign 0.000+/-0.000 χ^2/NDF: 33.2/23

asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:244741.5/6

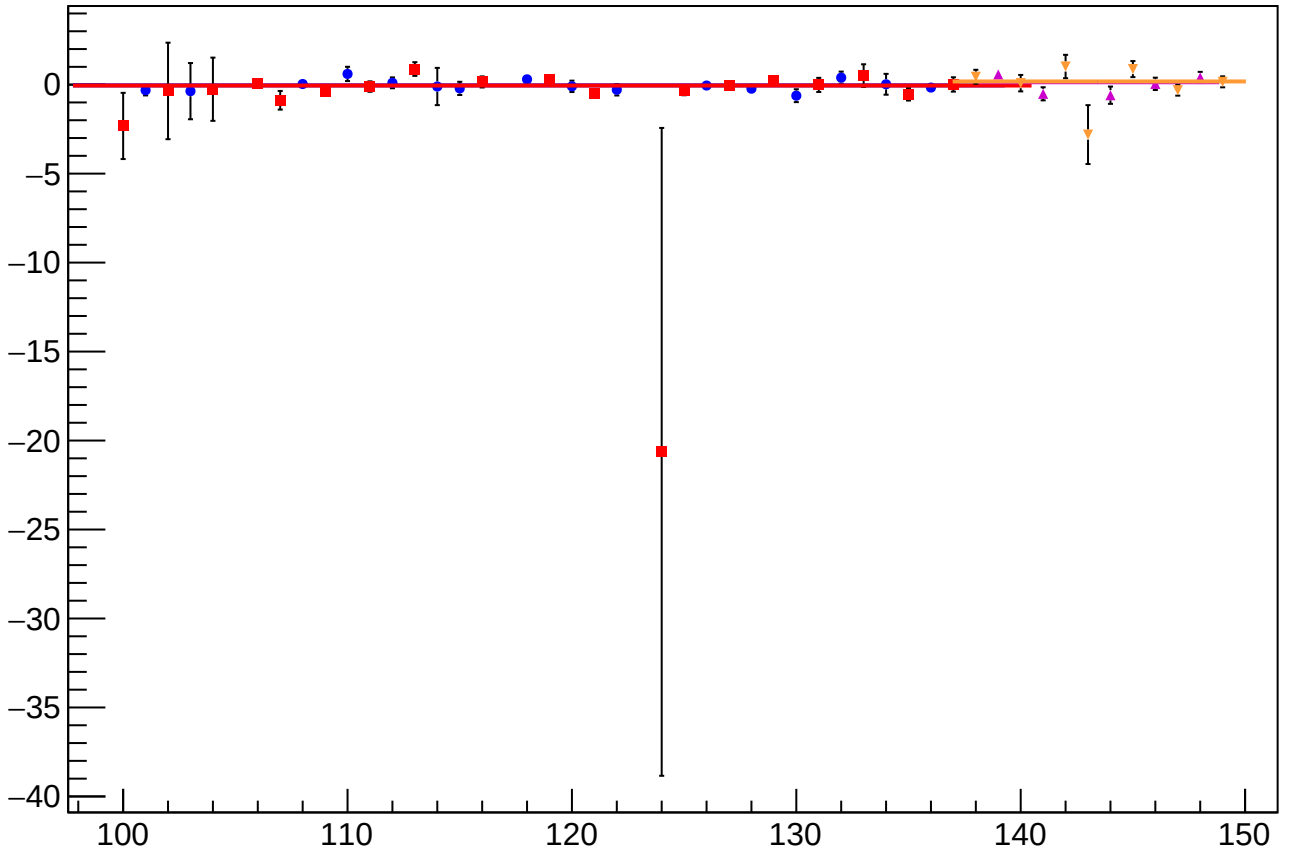
Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:73423.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 3660912.3/22

All: 0.000+/-0.000 χ^2/NDF: 7058757.0/46

- sign 0.000+/-0.000 χ^2/NDF: 3250923.2/23



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.179+/-0.158 χ^2/NDF:10.4/6

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

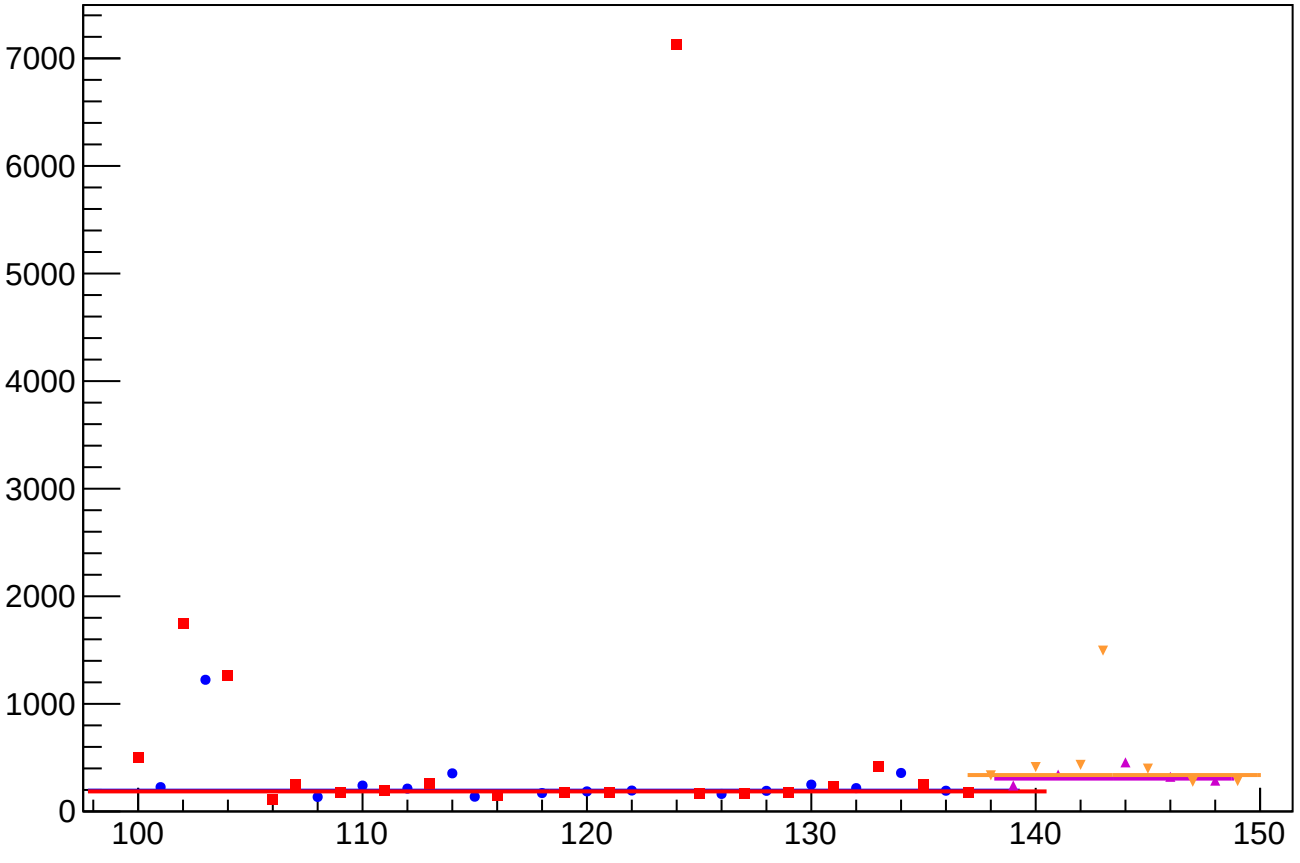
Left In: 0.135+/-0.152 χ^2/NDF:8.7/4

+ sign 0.002+/-0.070 χ^2/NDF: 23.7/22

All: -0.004+/-0.049 χ^2/NDF: 56.6/46

- 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: 338.326+/-0.112 χ^2/NDF:1256587.3/6

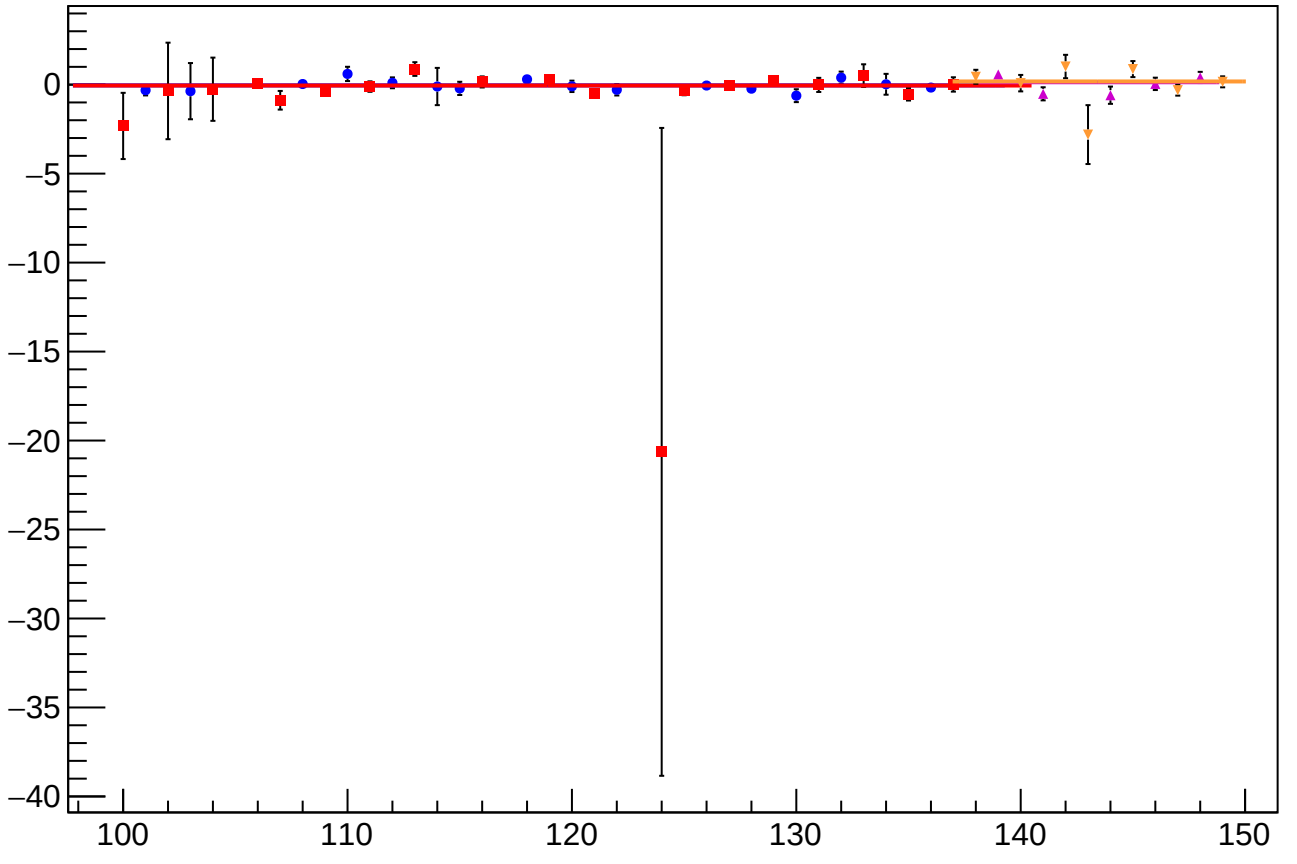
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 305.358+/-0.107 χ^2/NDF:337623.7/4

+ sign 221.514+/-0.049 χ^2/NDF: 4021533.2/22

All: 216.614+/-0.035 χ^2/NDF: 7828382.2/46

- 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: 0.179+/-0.158 χ^2/NDF:10.4/6

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

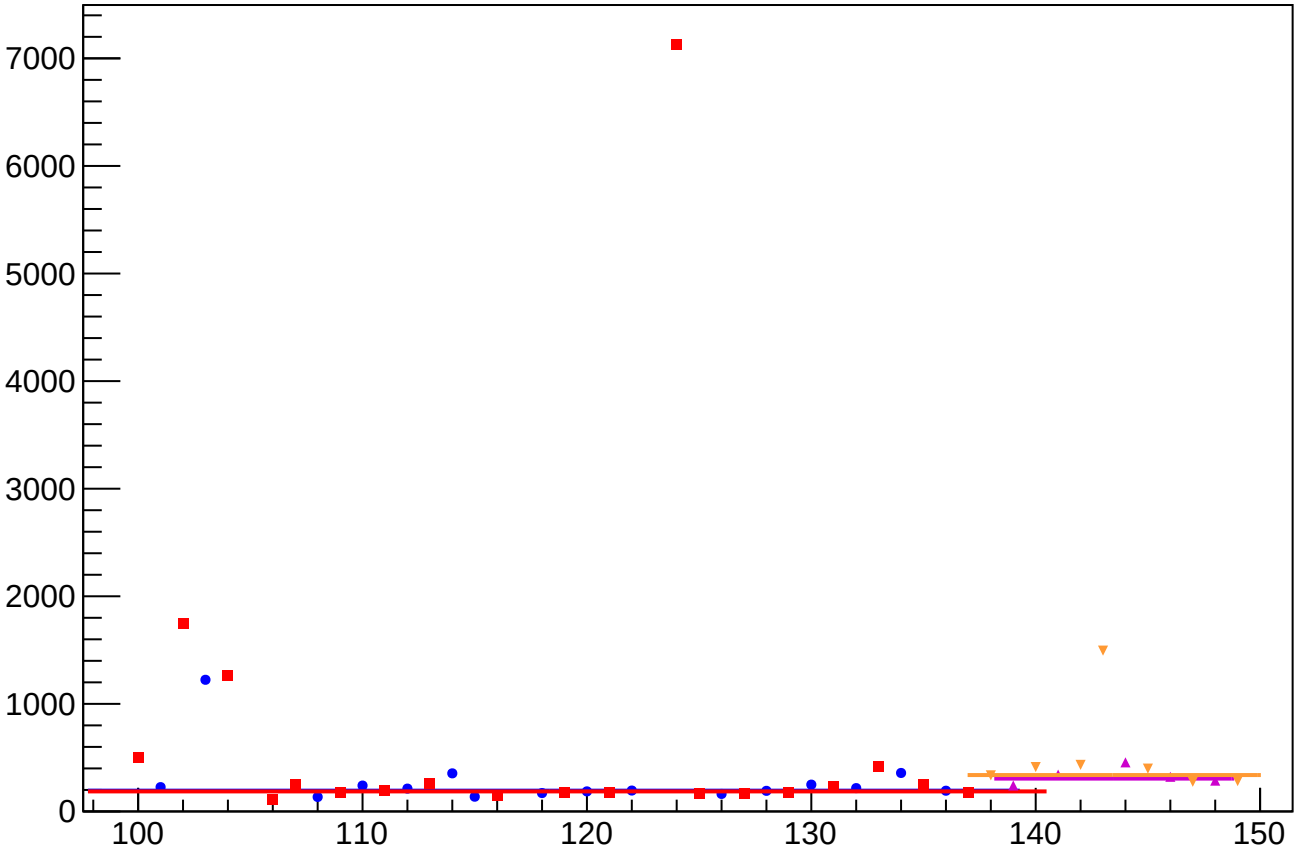
Left In: 0.135+/-0.152 χ^2/NDF:8.7/4

\+ sign 0.002+/-0.070 χ^2/NDF: 23.7/22

All: -0.004+/-0.049 χ^2/NDF: 56.6/46

\- 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: 338.326+/-0.112 χ^2/NDF:1256587.3/6

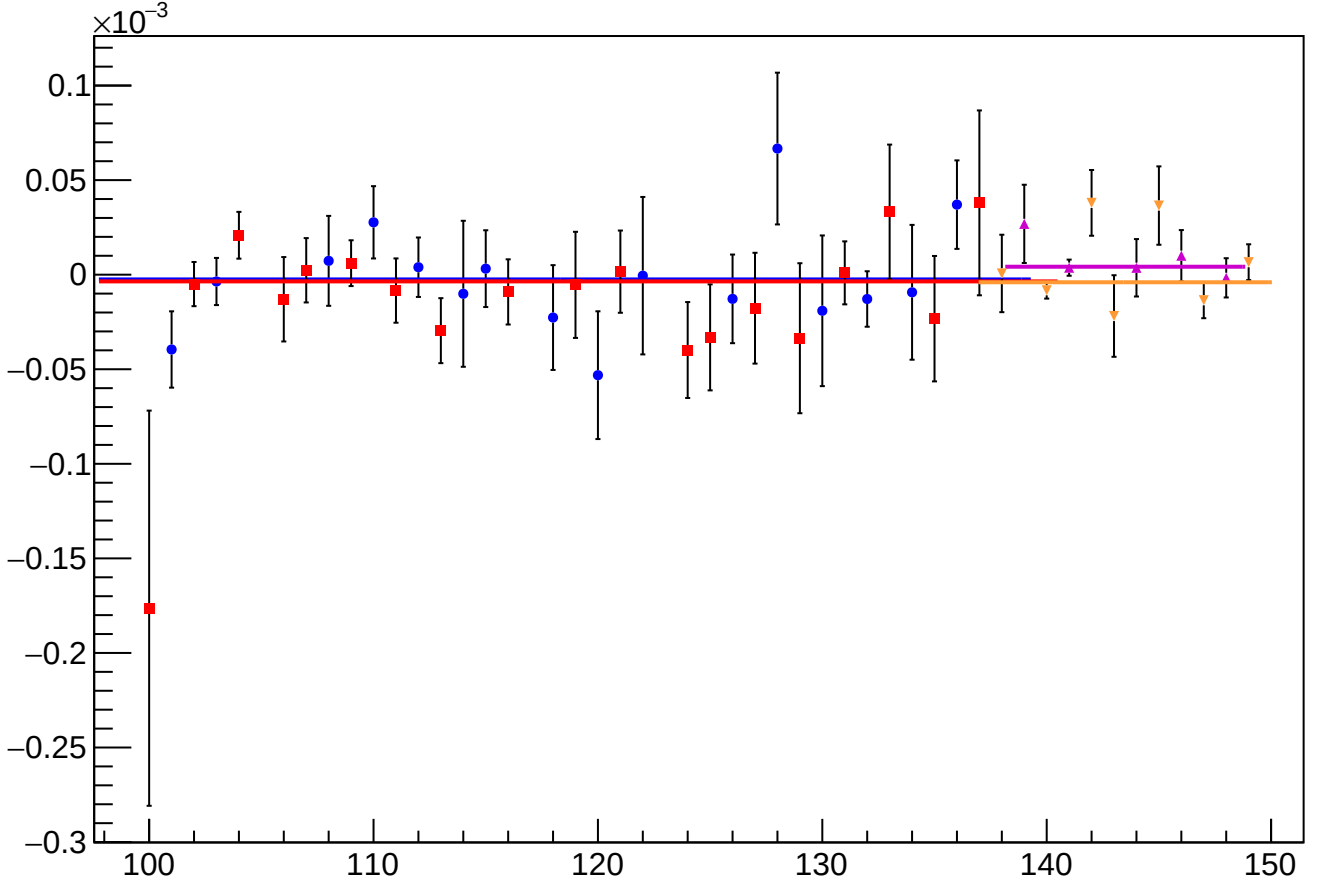
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 305.358+/-0.107 χ^2/NDF:337623.7/4

+ sign 221.514+/-0.049 χ^2/NDF: 4021533.2/22

All: 216.614+/-0.035 χ^2/NDF: 7828382.2/46

- 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:13.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

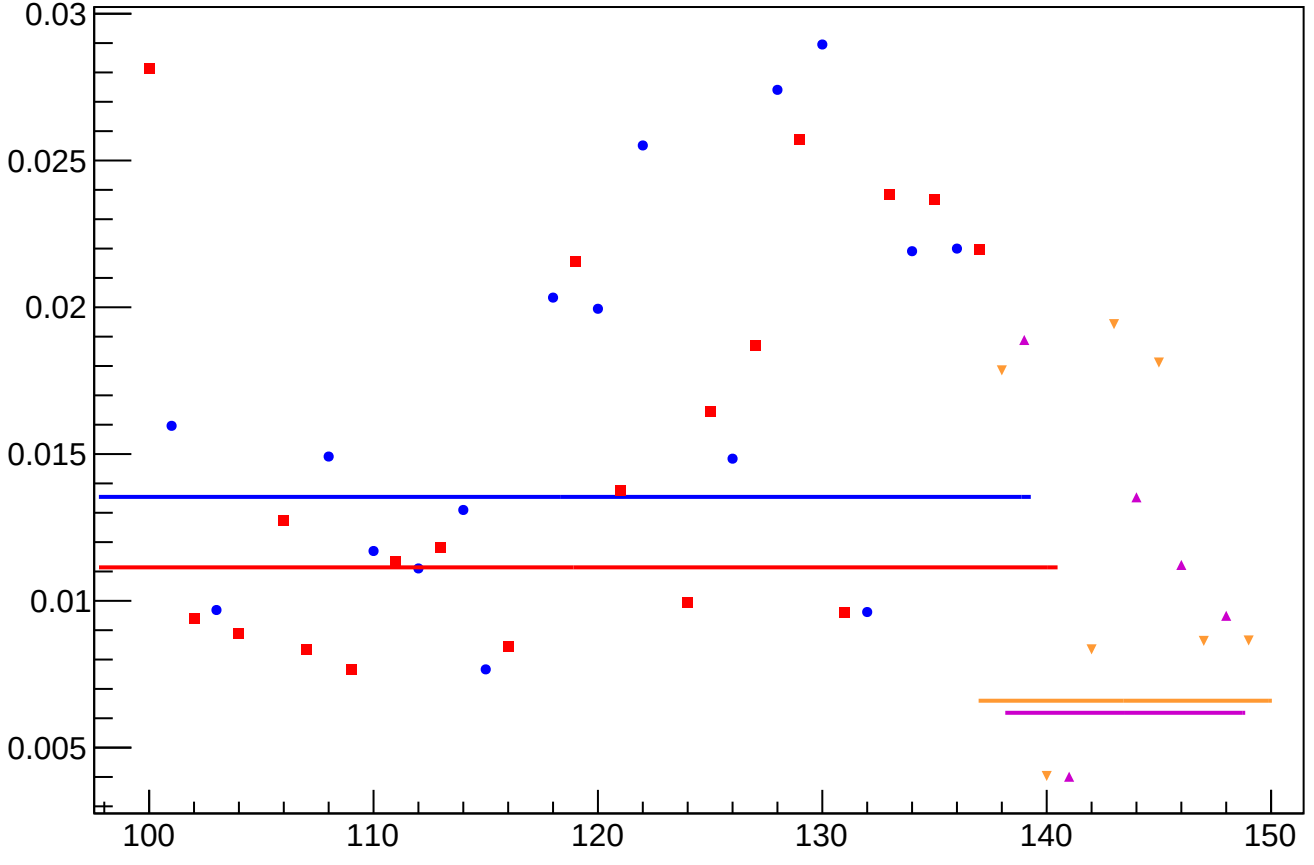
Left In: 0.000+/-0.000 χ^2/NDF:1.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/22

All: -0.000+/-0.000 χ^2/NDF: 50.7/46

- 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: 0.007+/-0.000 χ^2/NDF:2815974.4/6

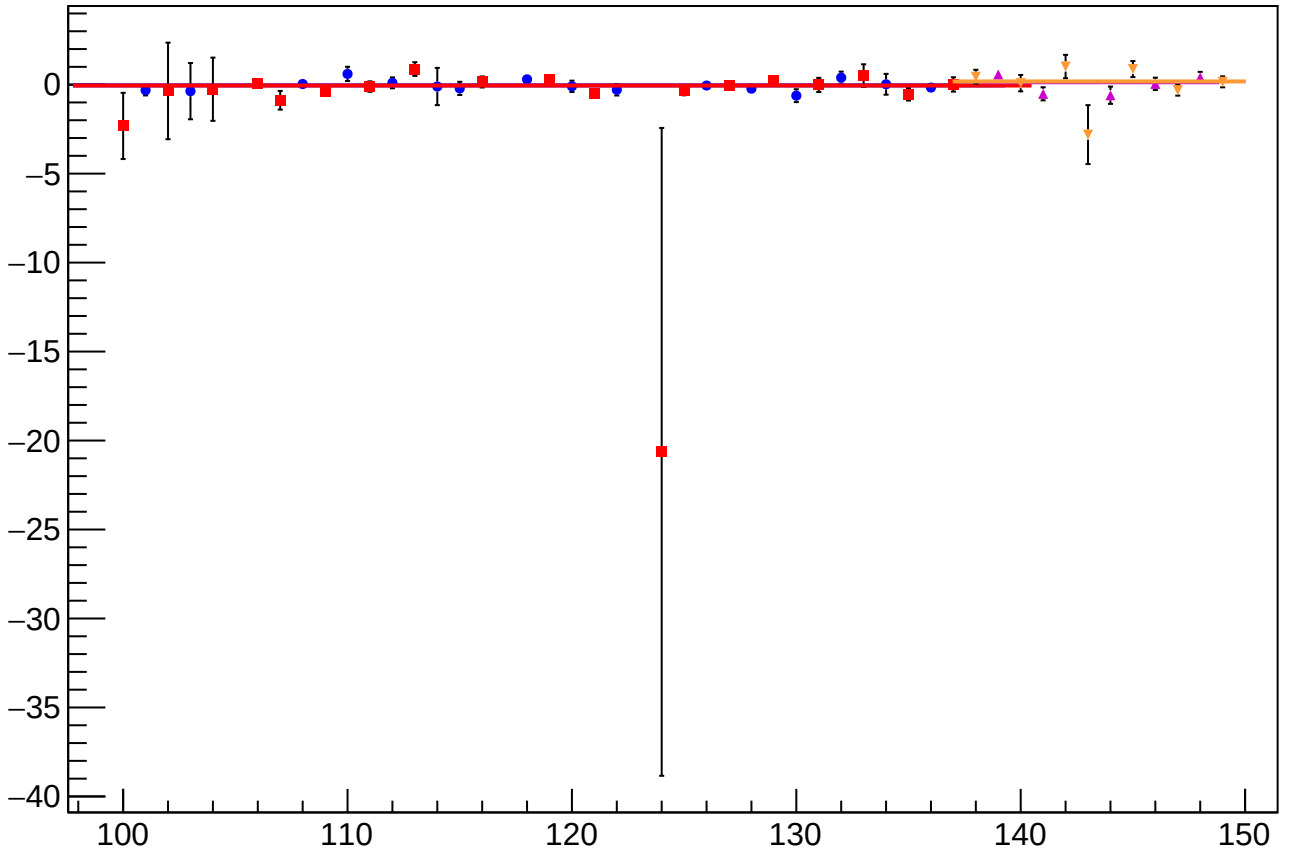
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.006+/-0.000 χ^2/NDF:2221617.6/4

+ sign 0.009+/-0.000 χ^2/NDF: 7010085.7/22

All: 0.008+/-0.000 χ^2/NDF: 12628625.1/46

- 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: 0.179+/-0.158 χ^2/NDF:10.4/6

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

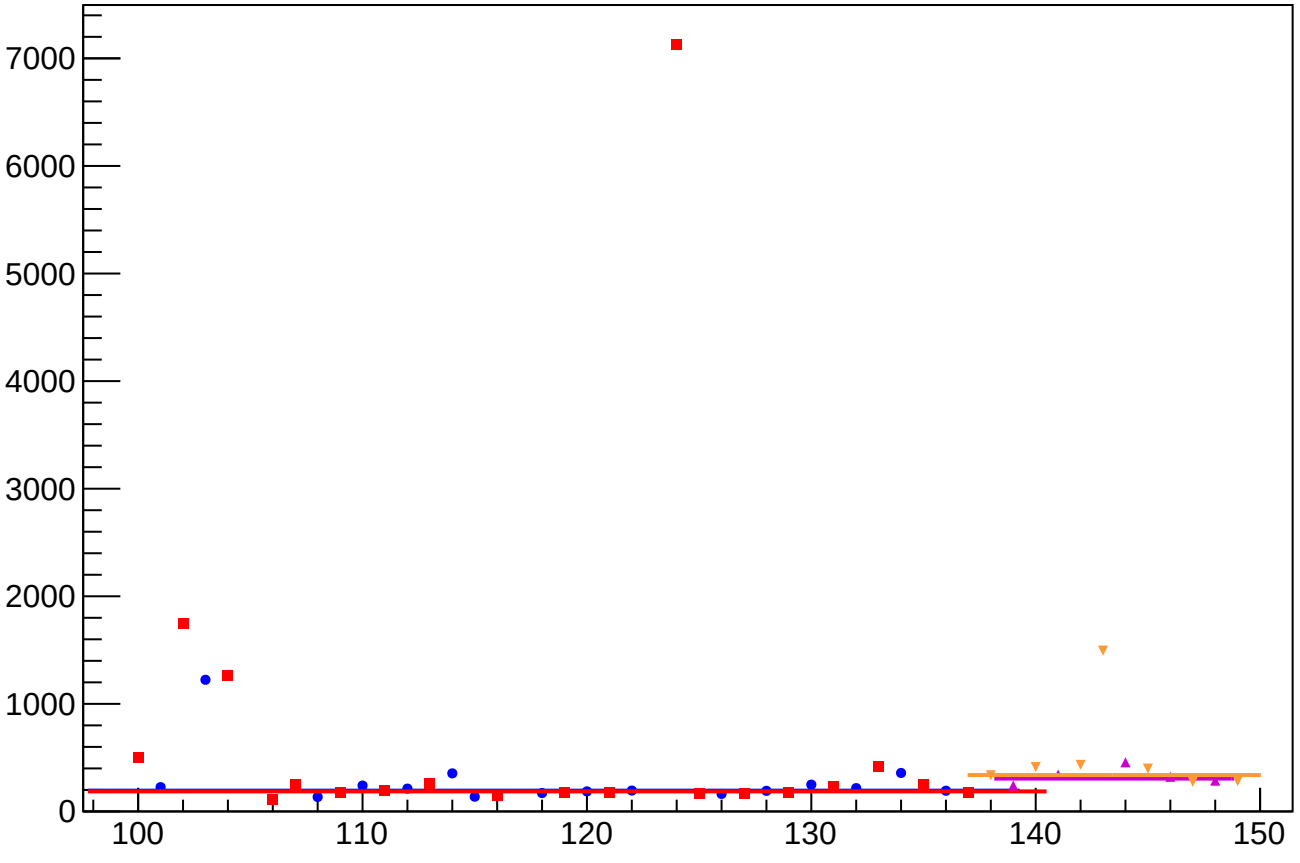
Left In: 0.135+/-0.152 χ^2/NDF:8.7/4

+ sign 0.002+/-0.070 χ^2/NDF: 23.7/22

All: -0.004+/-0.049 χ^2/NDF: 56.6/46

- 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: 338.331+/-0.112 χ^2/NDF:1256557.7/6

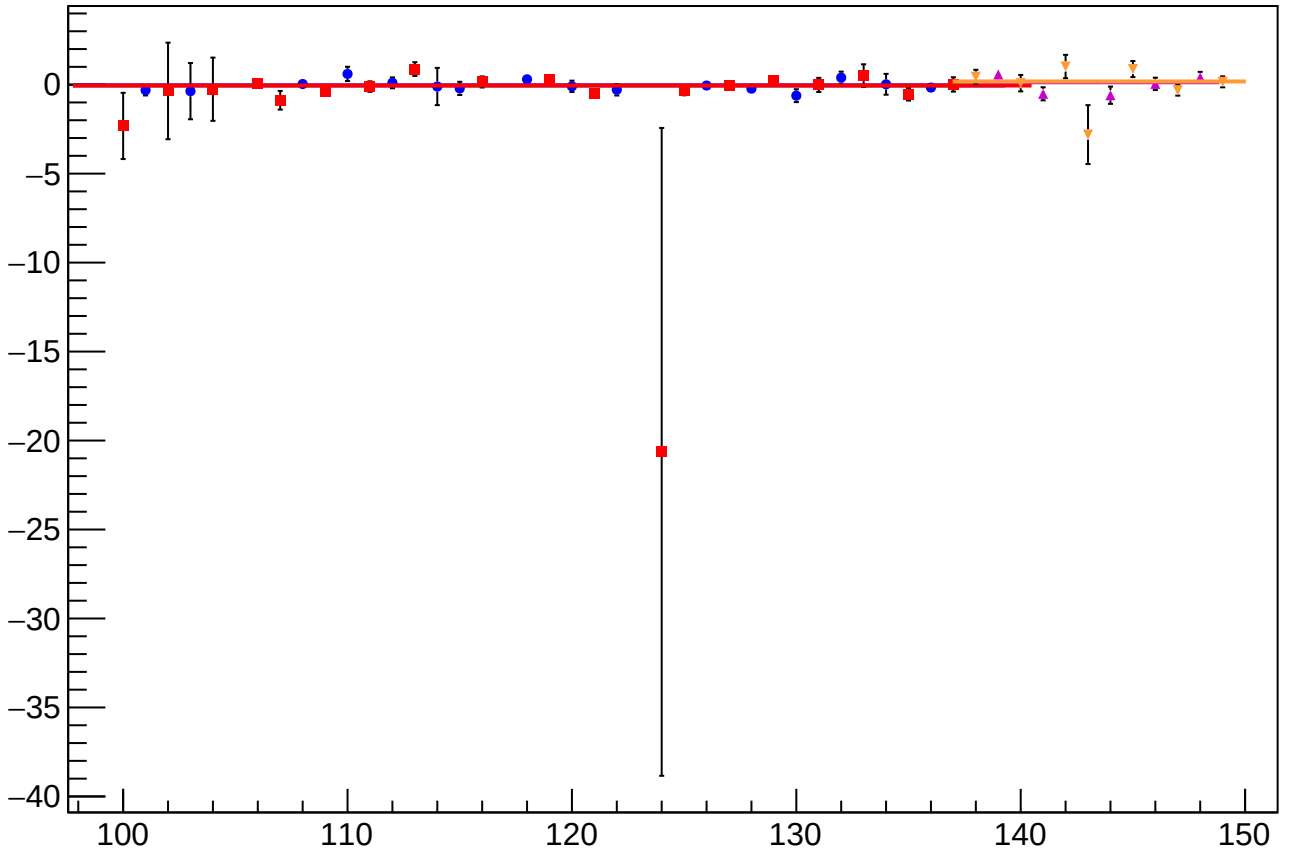
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 305.363+/-0.107 χ^2/NDF:337607.6/4

+ sign 221.513+/-0.049 χ^2/NDF: 4021589.1/22

All: 216.612+/-0.035 χ^2/NDF: 7828549.1/46

- 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: 0.179+/-0.158 χ^2/NDF:10.4/6

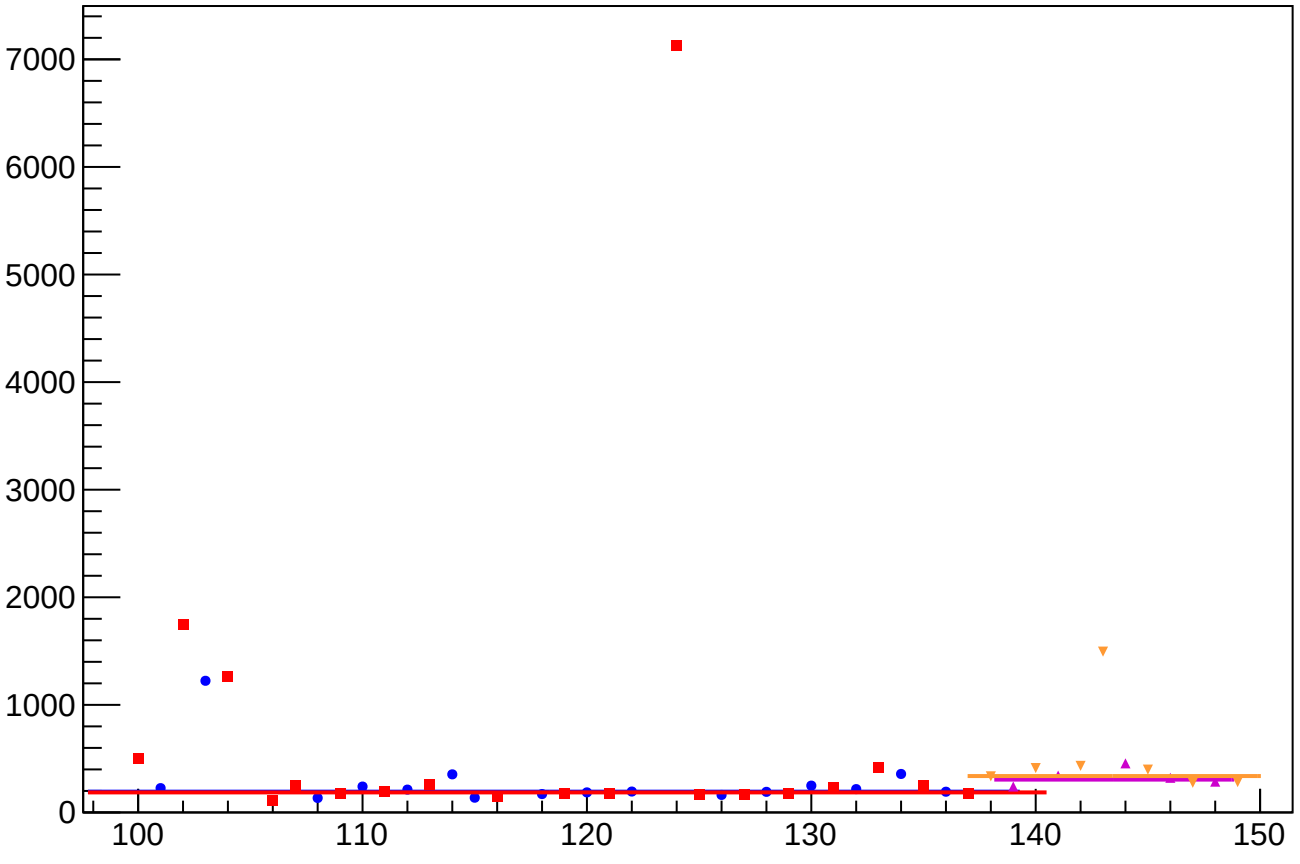
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.135+/-0.152 χ^2/NDF:8.7/4

\+ sign 0.002+/-0.070 χ^2/NDF: 23.7/22

All: -0.004+/-0.049 χ^2/NDF: 56.6/46

\- 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: 338.331+/-0.112 χ^2/NDF:1256557.7/6

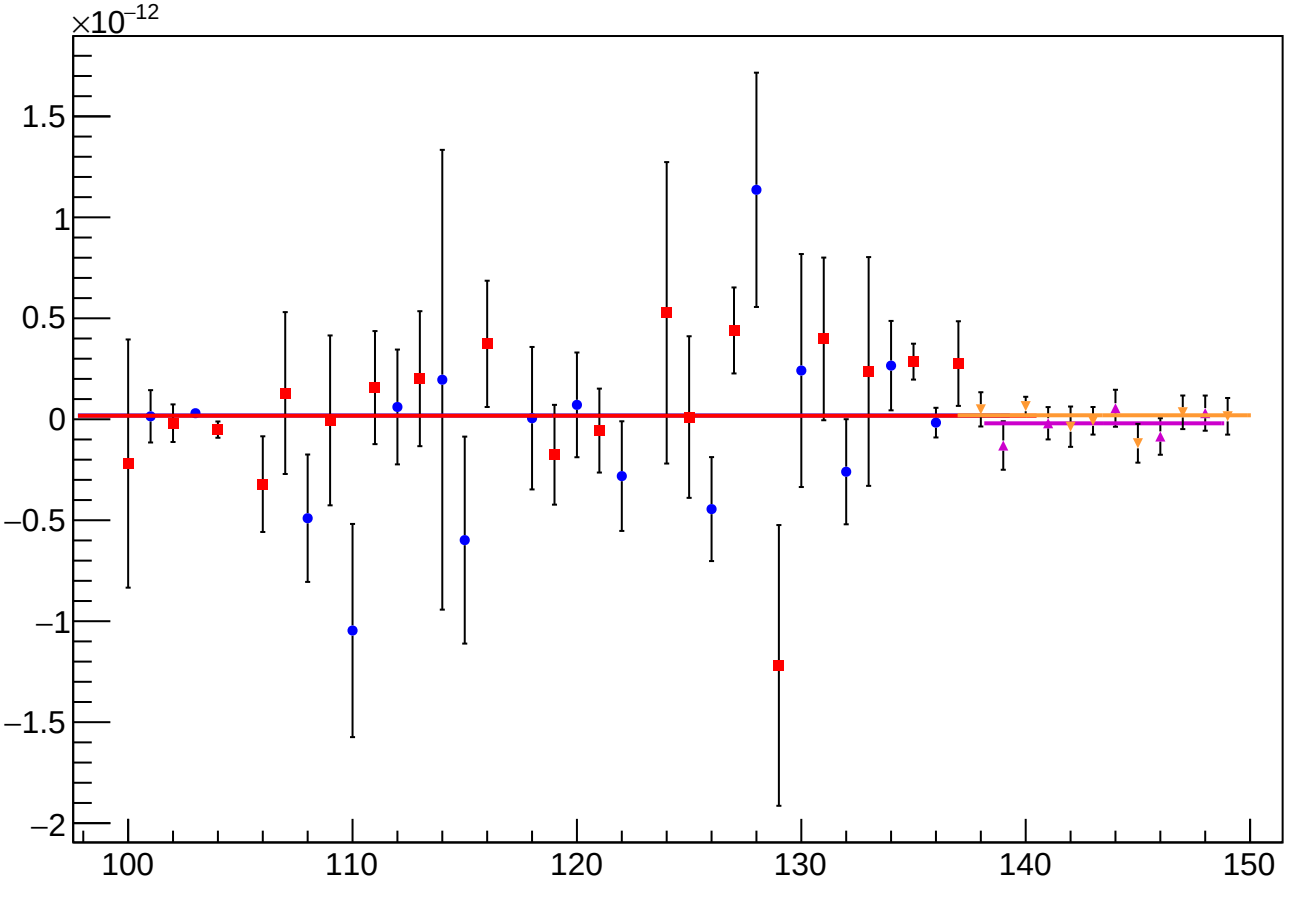
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 305.363+/-0.107 χ^2/NDF:337607.6/4

+ sign 221.513+/-0.049 χ^2/NDF: 4021589.1/22

All: 216.612+/-0.035 χ^2/NDF: 7828549.1/46

- 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:3.7/6

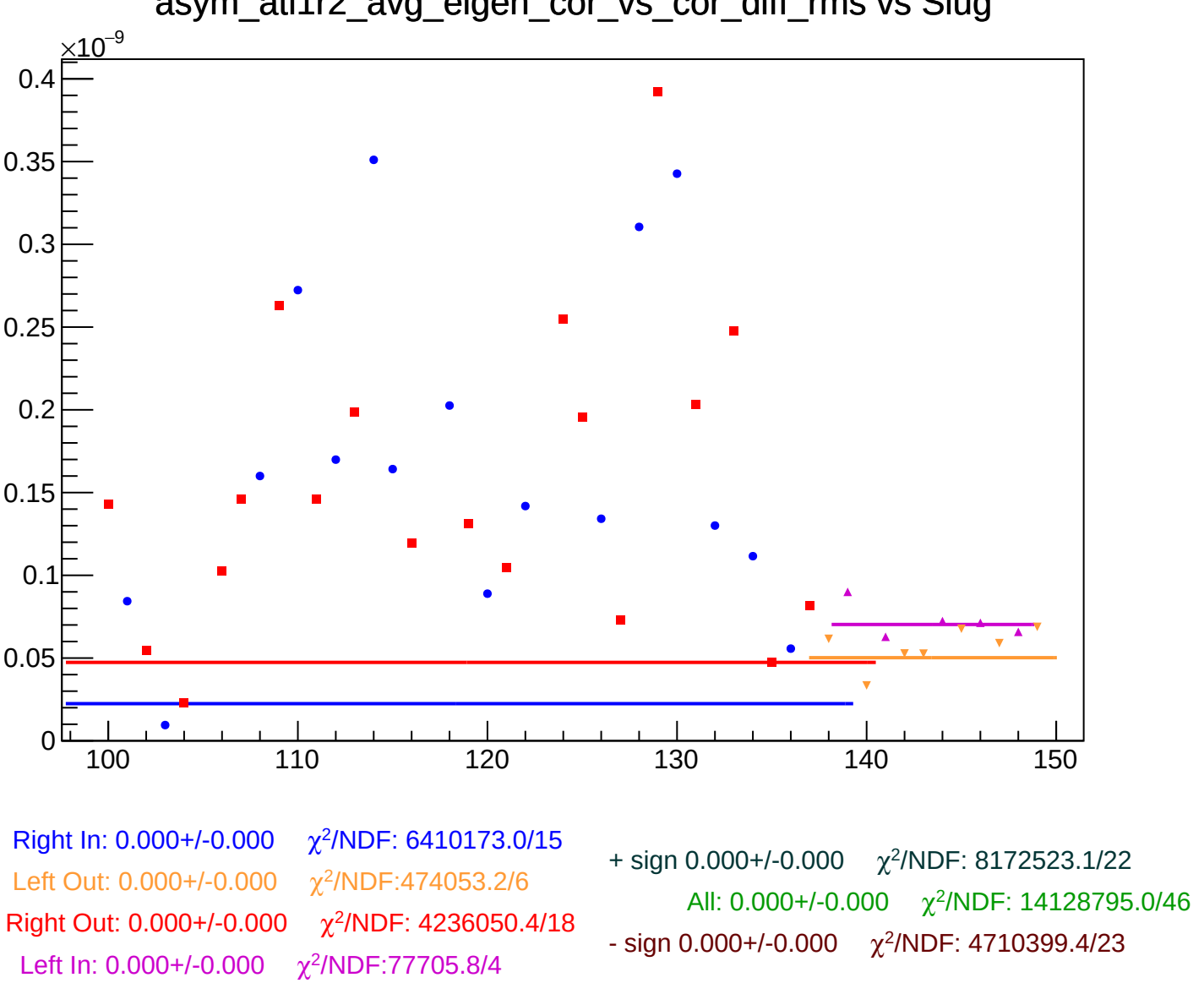
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/4

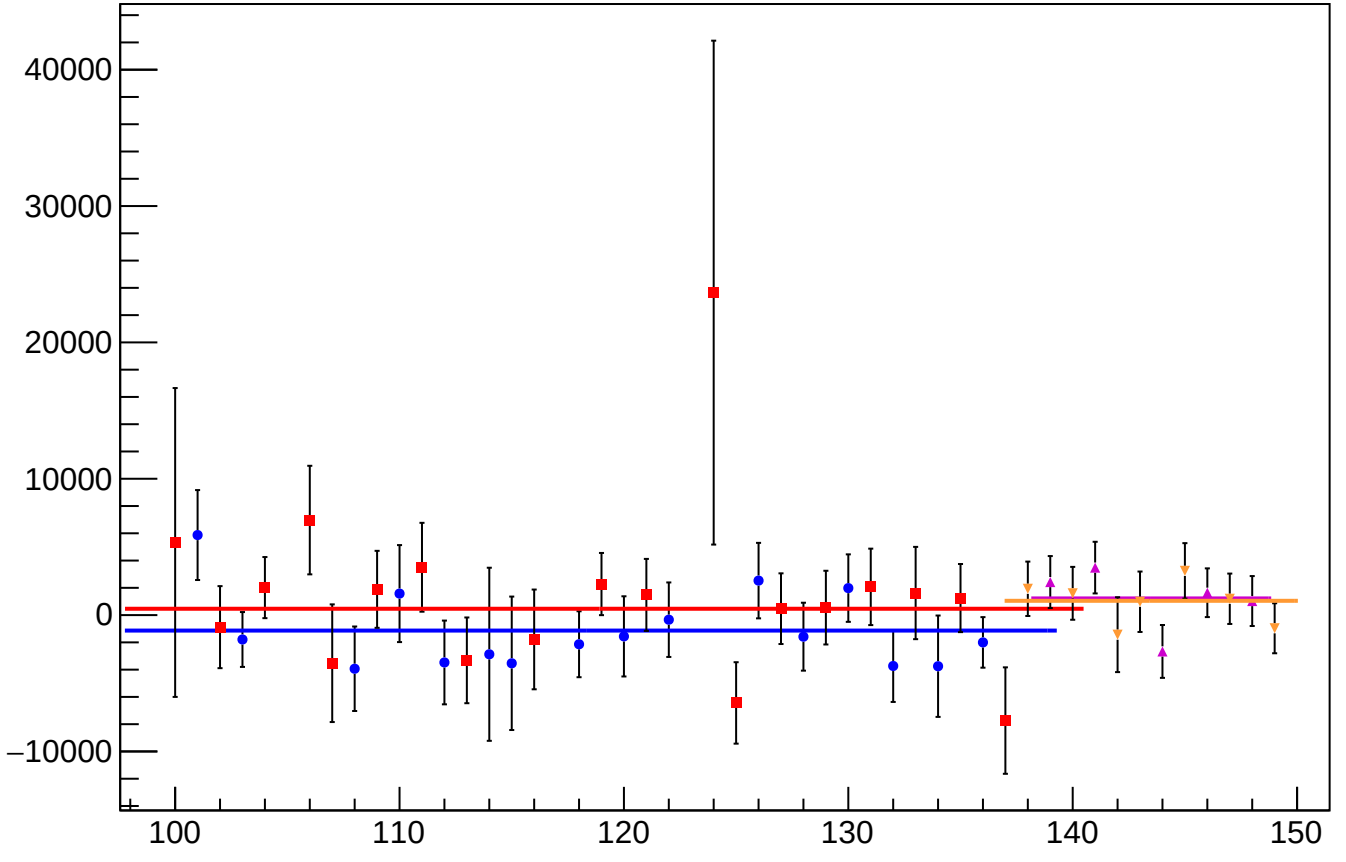
+ sign 0.000+/-0.000 χ^2/NDF: 23.1/22

All: 0.000+/-0.000 χ^2/NDF: 53.4/46

- sign 0.000+/-0.000 χ^2/NDF: 30.0/23


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:474053.2/6
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:77705.8/4
+ sign 0.000+/-0.000 χ²/NDF: 8172523.1/22
All: 0.000+/-0.000 χ²/NDF: 14128795.0/46
- sign 0.000+/-0.000 χ²/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: 1048.392+/-770.096 χ^2/NDF:3.5/6

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

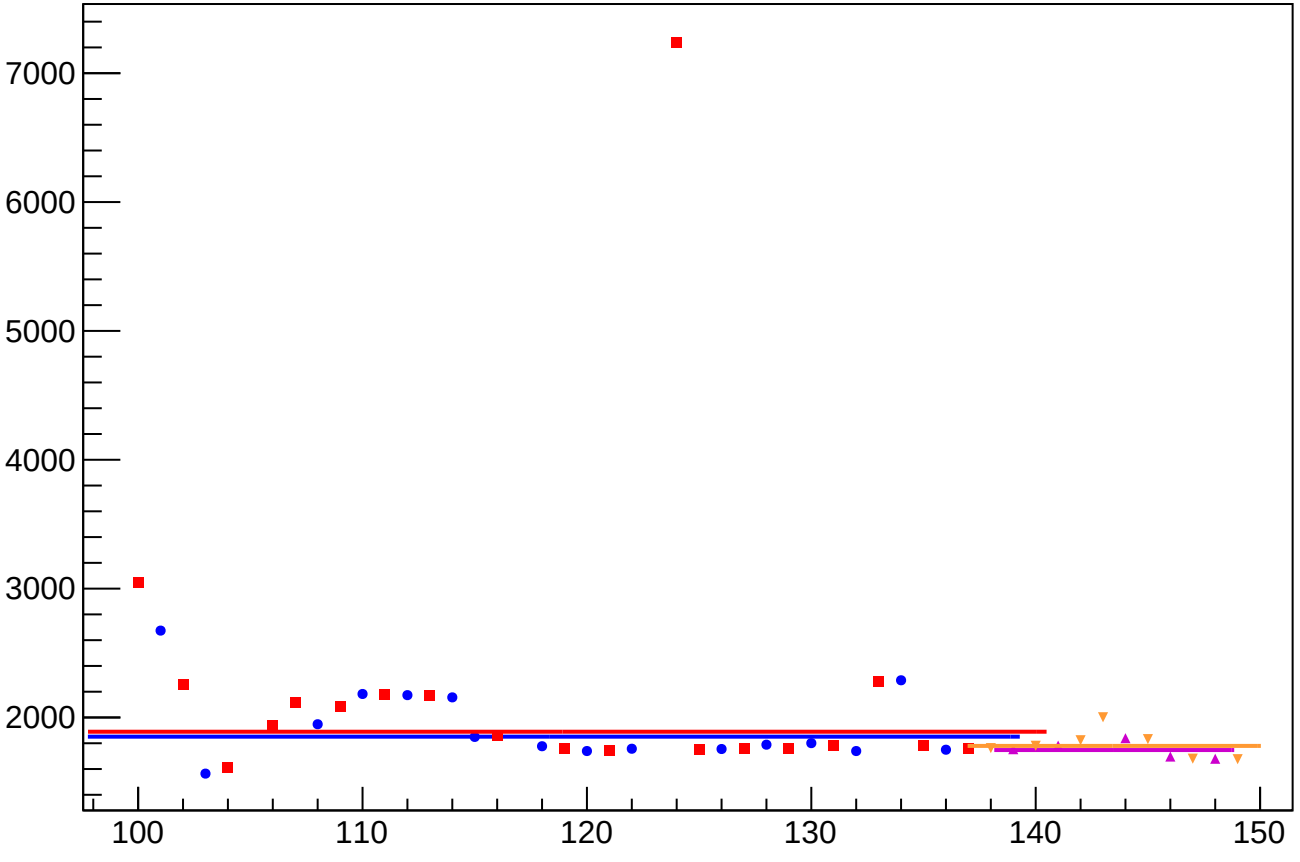
Left In: 1222.892+/-835.799 χ^2/NDF:5.9/4

+ sign -156.615+/-515.452 χ^2/NDF: 20.2/22

All: 290.931+/-372.627 χ^2/NDF: 48.1/46

- 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: 1779.434+/-0.545 χ^2/NDF:34177.5/6

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

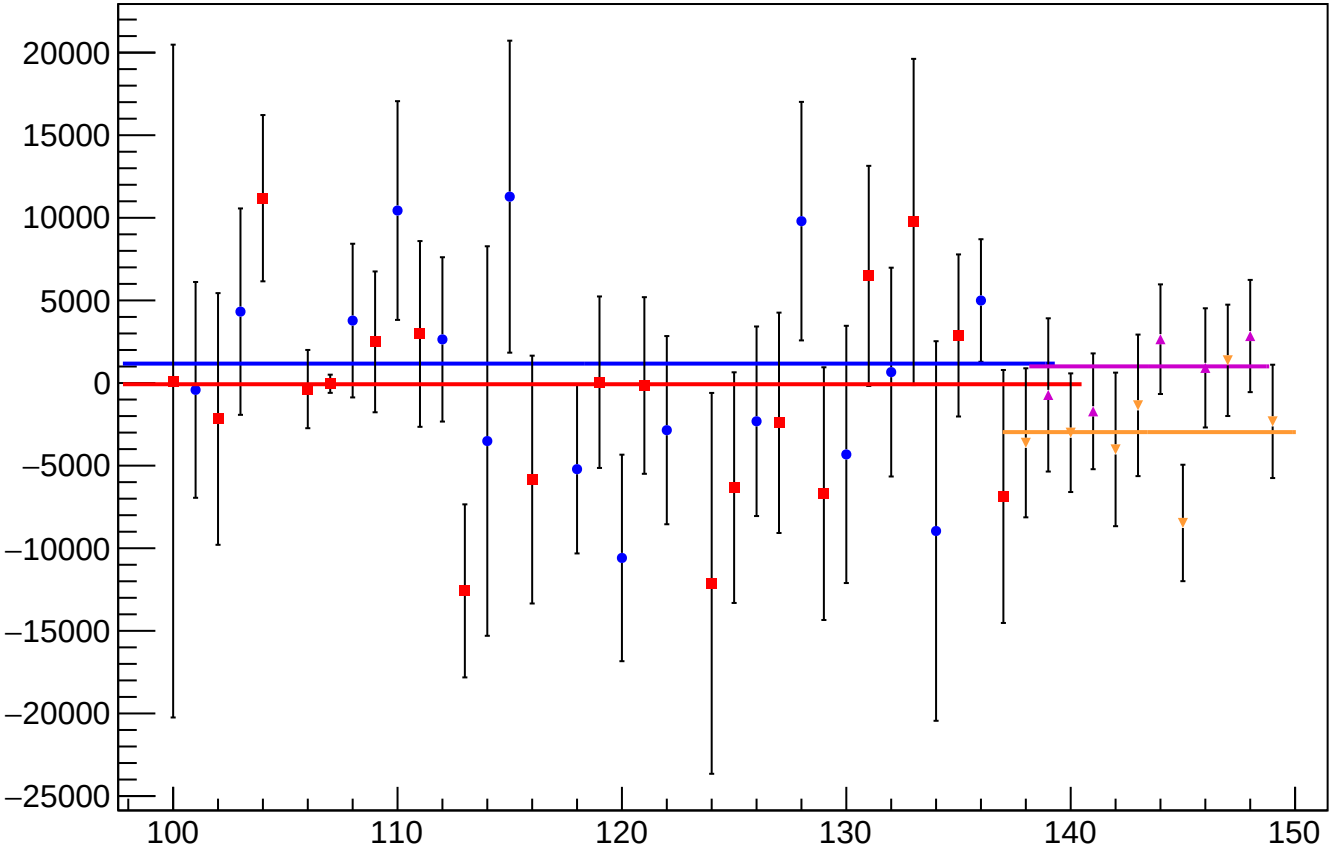
Left In: 1747.298+/-0.591 χ^2/NDF:9500.7/4

+ sign 1819.010+/-0.364 χ^2/NDF: 303728.1/22

All: 1824.489+/-0.263 χ^2/NDF: 706472.2/46

- sign 1830.470+/-0.381 χ^2/NDF: 402271.4/23

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -2970.867+/-1441.758 χ^2/NDF:4.3/6

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

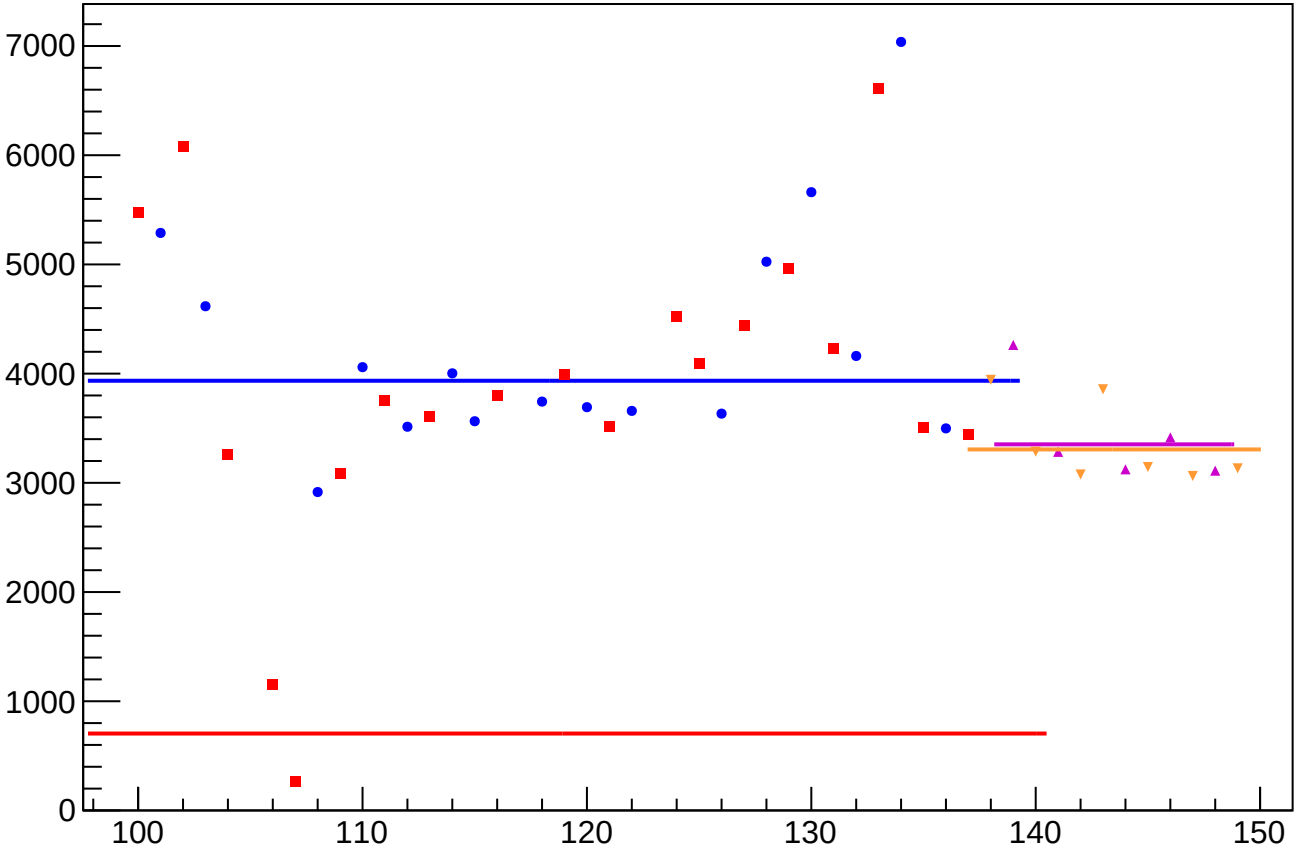
Left In: 1007.713+/-1617.382 χ^2/NDF:1.3/4

+ sign -982.711+/-1040.165 χ^2/NDF: 22.0/22

All: -154.740+/-437.815 χ^2/NDF: 42.4/46

- 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: 3305.909+/-1.019 χ^2/NDF:97568.0/6

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

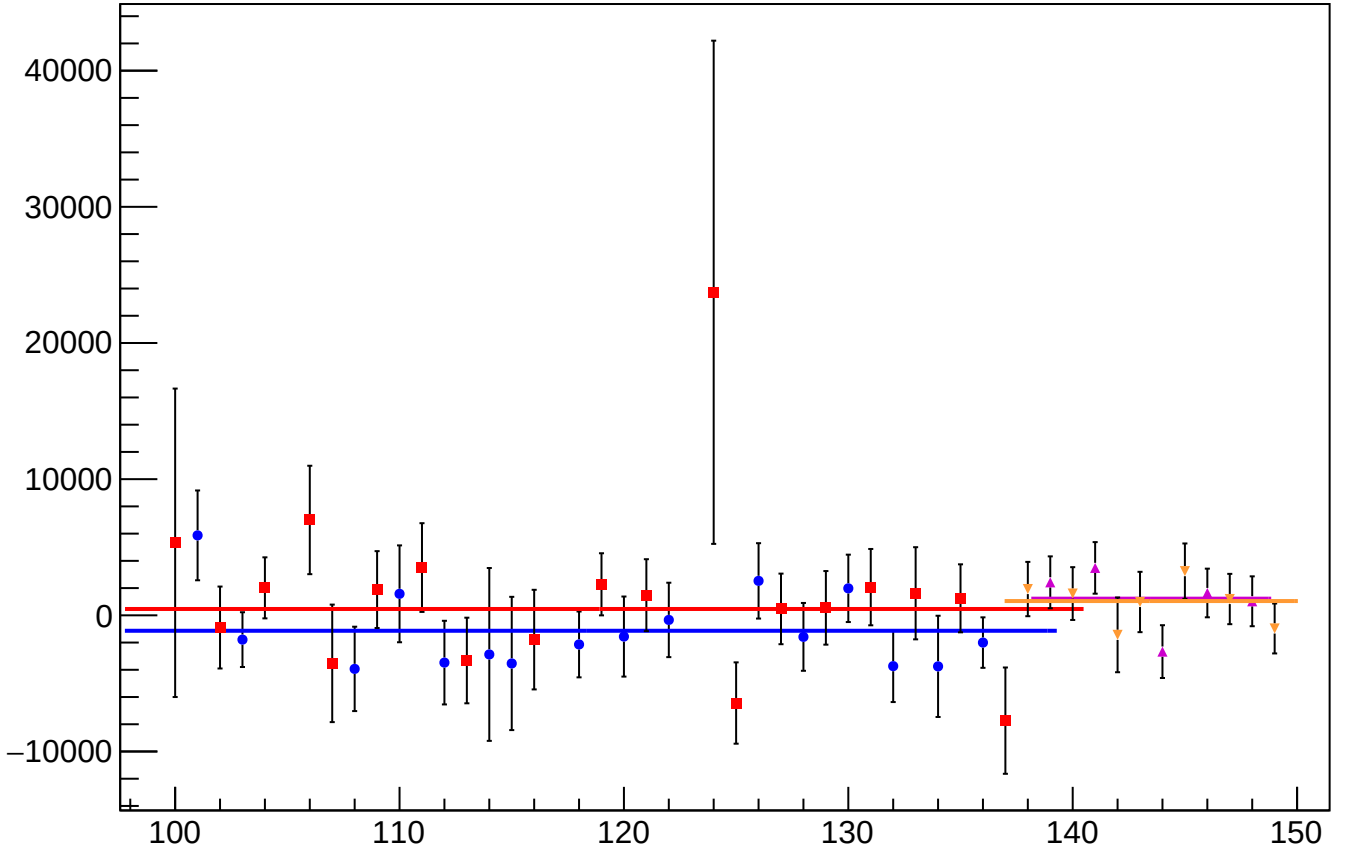
Left In: 3352.476+/-1.144 χ^2/NDF:98063.6/4

+ sign 3607.424+/-0.736 χ^2/NDF: 840113.8/22

All: 1412.739+/-0.310 χ^2/NDF: 27261434.2/4

- 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: 1048.308+/-770.096 χ^2/NDF:3.5/6

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

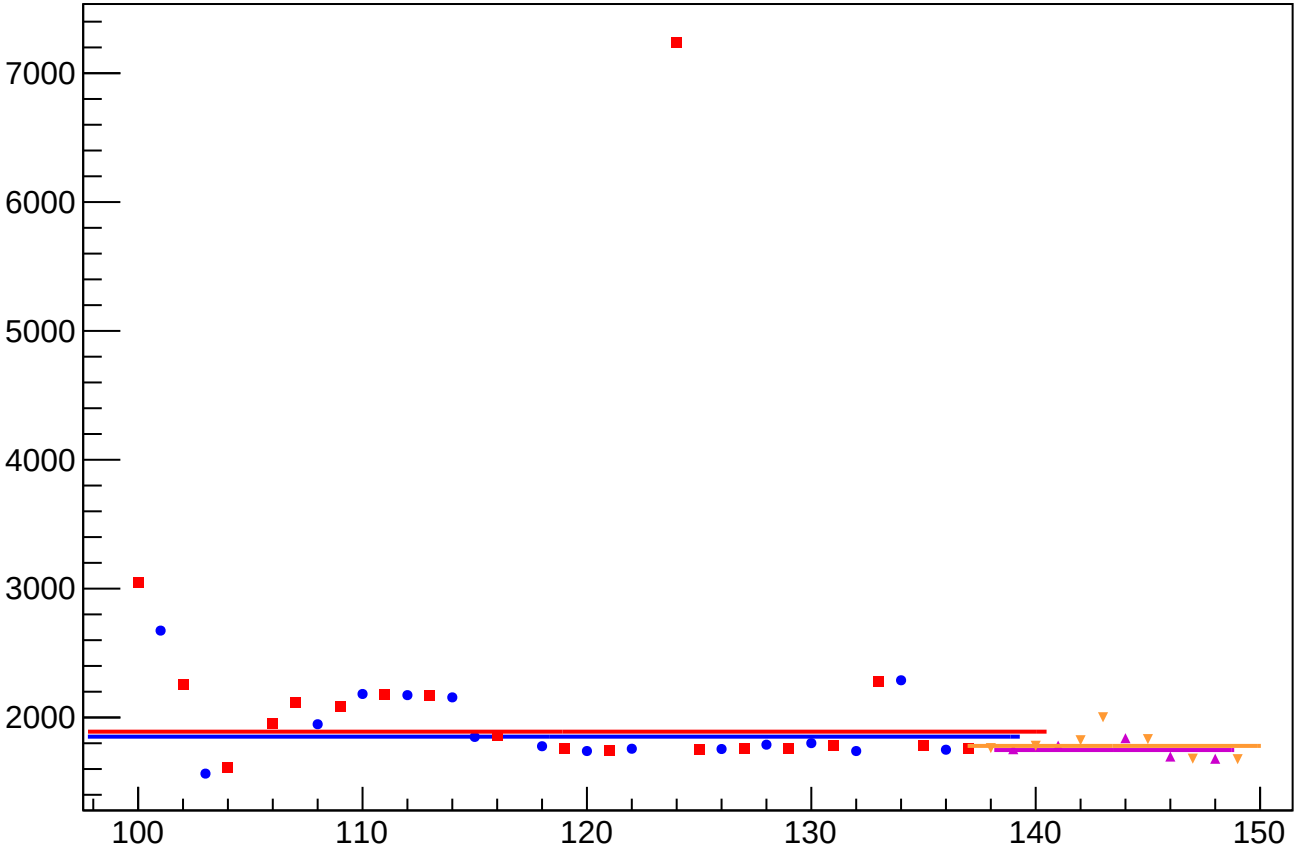
Left In: 1222.960+/-835.799 χ^2/NDF:5.9/4

+ sign -156.416+/-515.452 χ^2/NDF: 20.1/22

All: 291.154+/-372.627 χ^2/NDF: 48.2/46

- 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: 1779.434+/-0.545 χ^2/NDF:34177.5/6

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

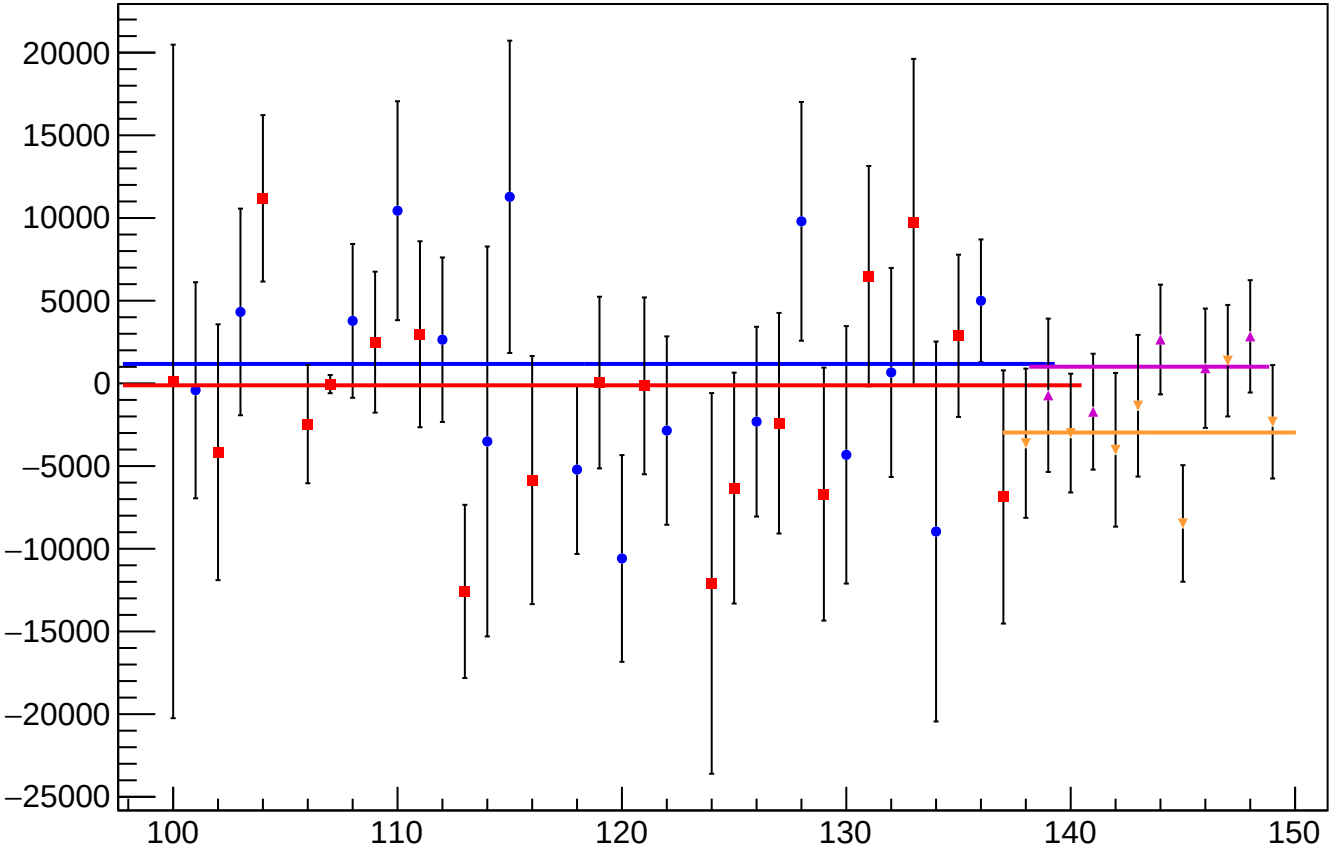
Left In: 1747.298+/-0.591 χ^2/NDF:9500.7/4

+ sign 1819.010+/-0.364 χ^2/NDF: 303727.3/22

All: 1824.608+/-0.263 χ^2/NDF: 706924.3/46

- sign 1830.722+/-0.381 χ^2/NDF: 402703.3/23

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -2970.951+/-1441.752 χ^2/NDF:4.3/6

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

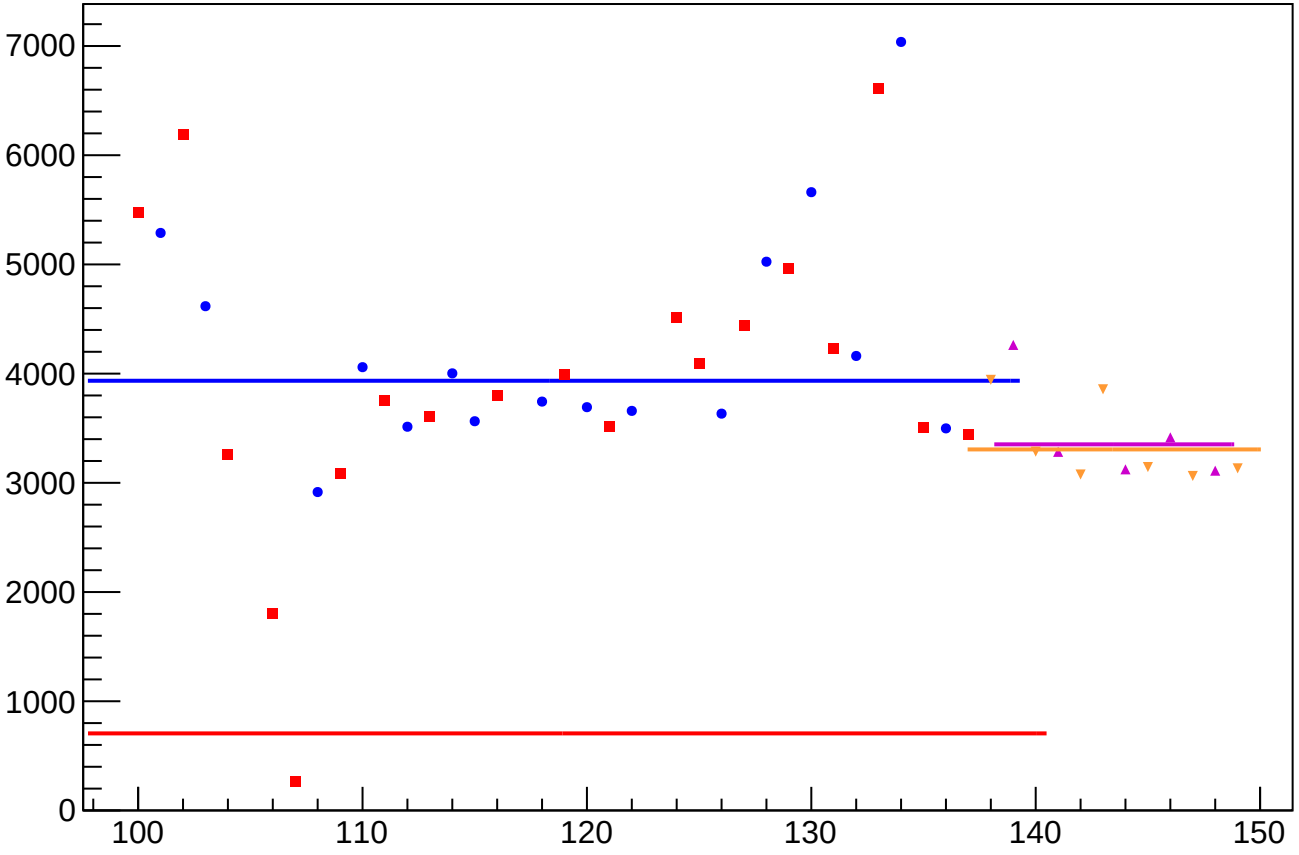
Left In: 1007.686+/-1617.383 χ^2/NDF:1.3/4

+ sign -982.782+/-1040.164 χ^2/NDF: 22.0/22

All: -188.556+/-442.074 χ^2/NDF: 43.0/46

- 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: 3305.893+/-1.019 χ^2/NDF:97570.6/6

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

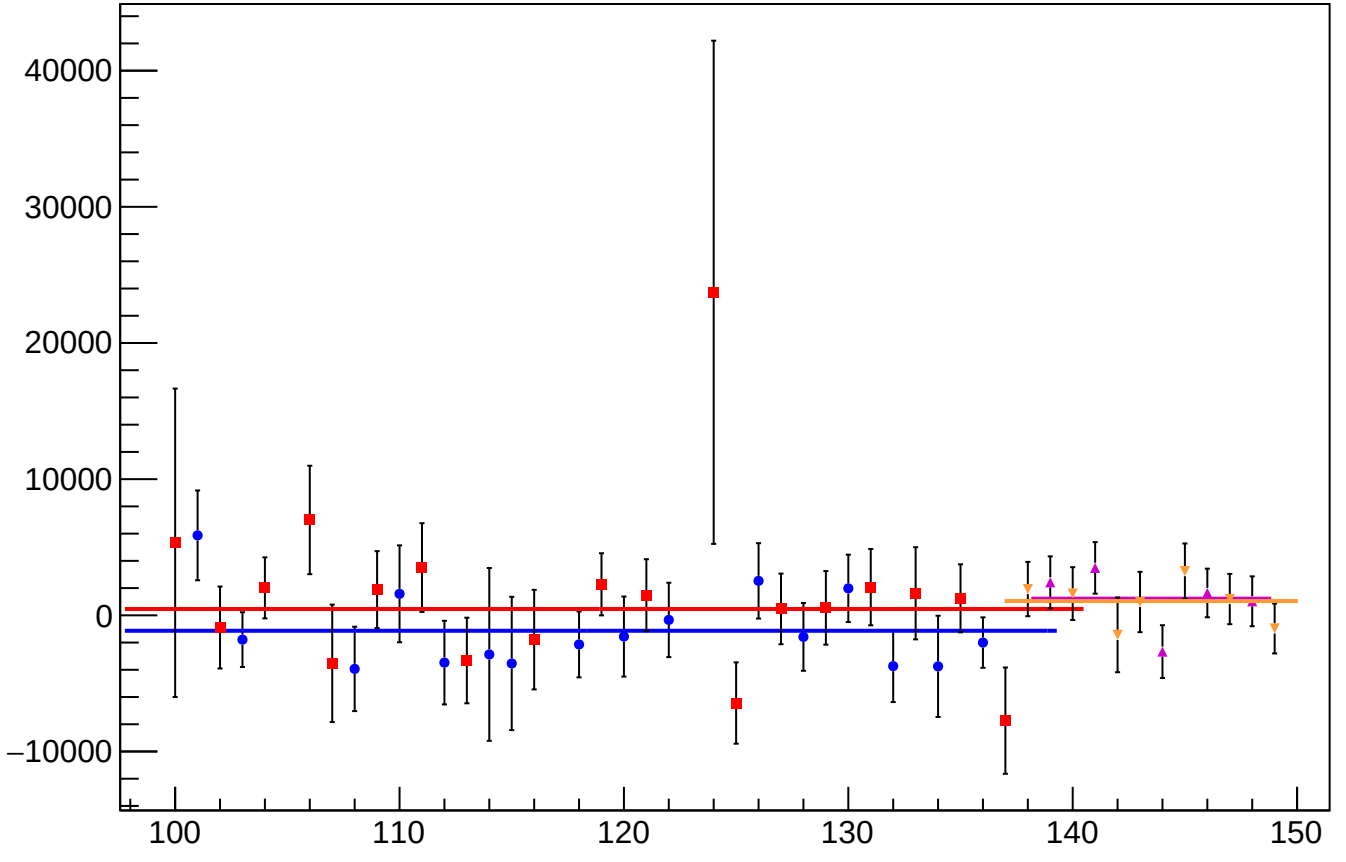
Left In: 3352.481+/-1.144 χ^2/NDF:98062.3/4

+ sign 3607.417+/-0.736 χ^2/NDF: 840154.7/22

All: 1427.508+/-0.313 χ^2/NDF: 27274047.4/4

- 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: 1048.308+/-770.096 χ^2/NDF:3.5/6

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

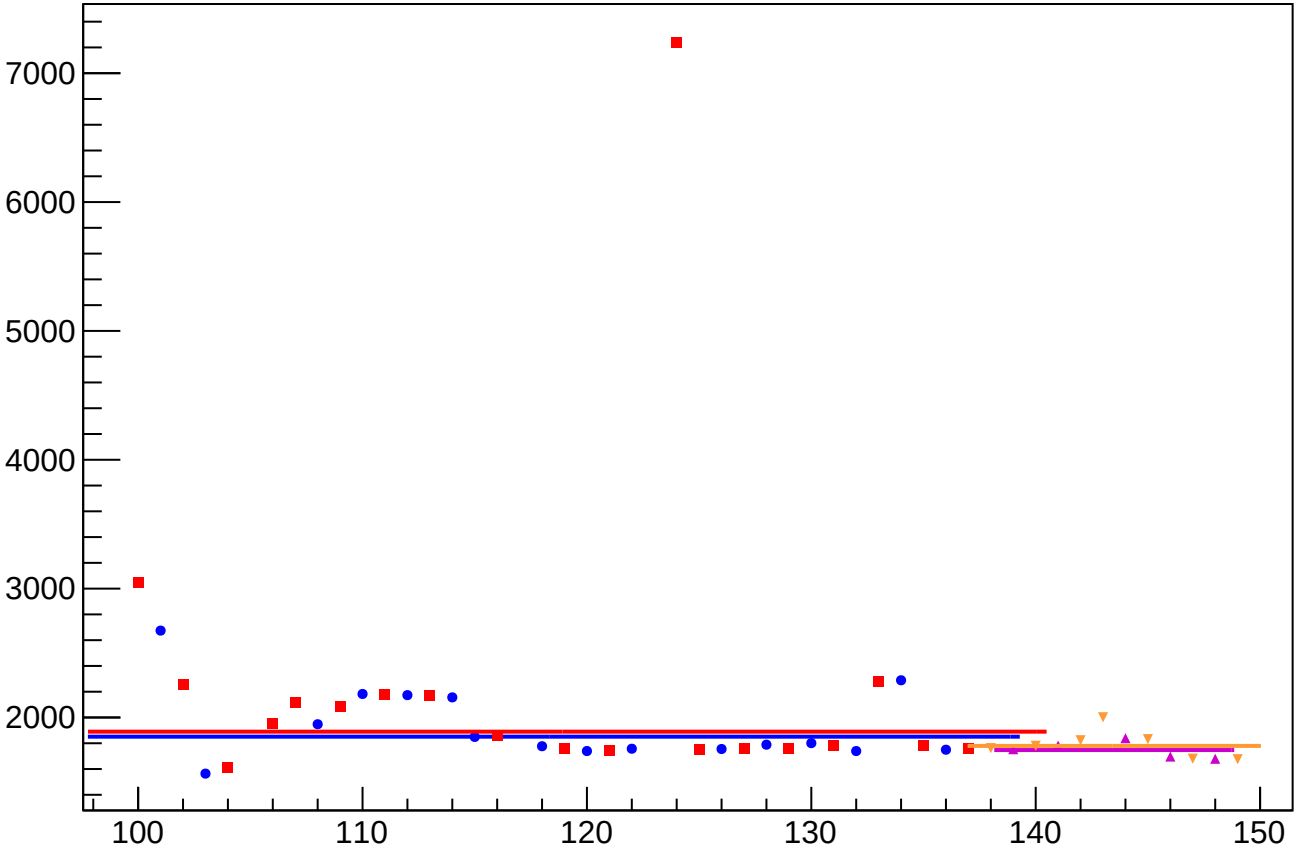
Left In: 1222.960+/-835.799 χ^2/NDF:5.9/4

+ sign -156.416+/-515.452 χ^2/NDF: 20.1/22

All: 291.154+/-372.627 χ^2/NDF: 48.2/46

- 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: 1779.434+/-0.545 χ^2/NDF:34177.5/6

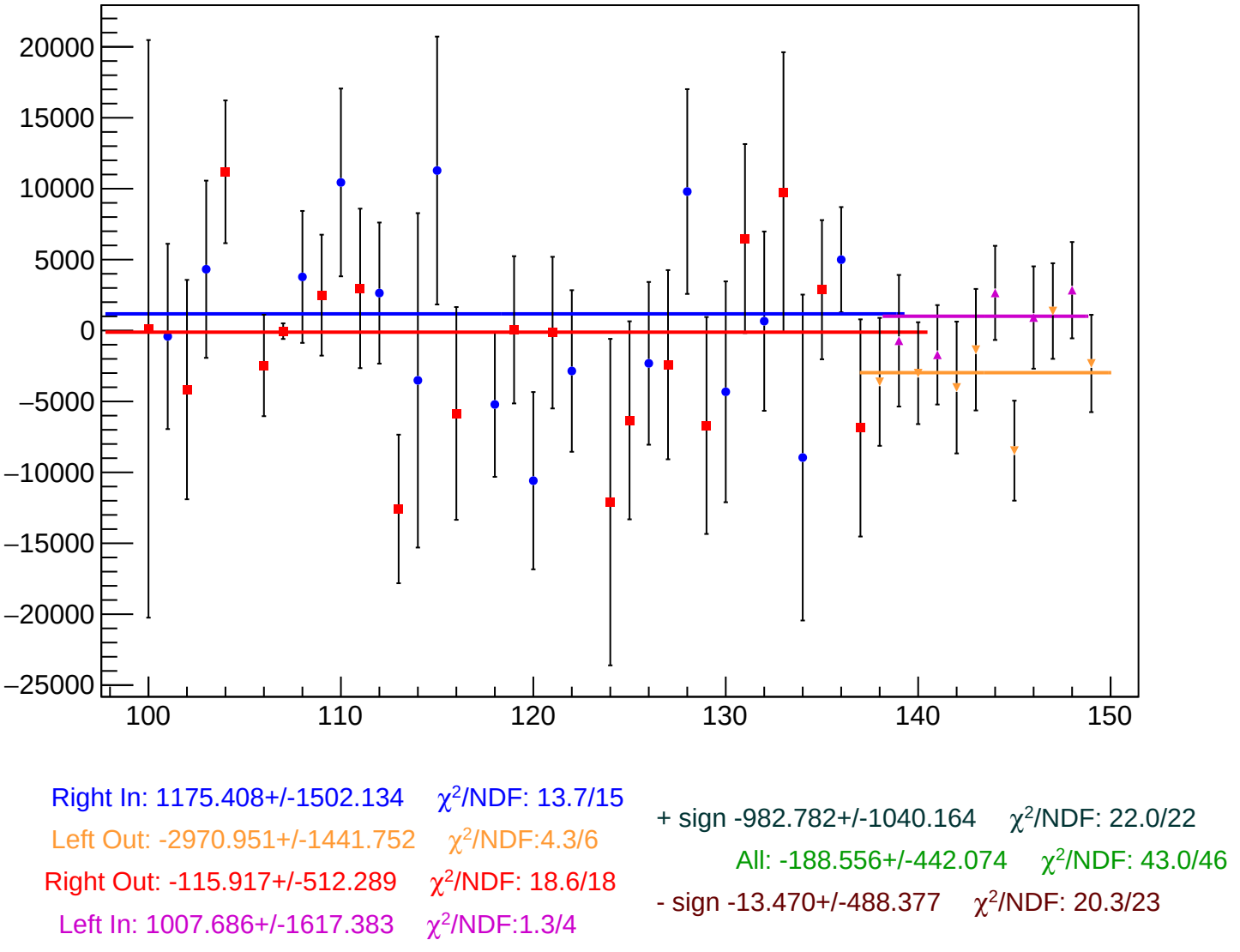
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1747.298+/-0.591 χ^2/NDF:9500.7/4

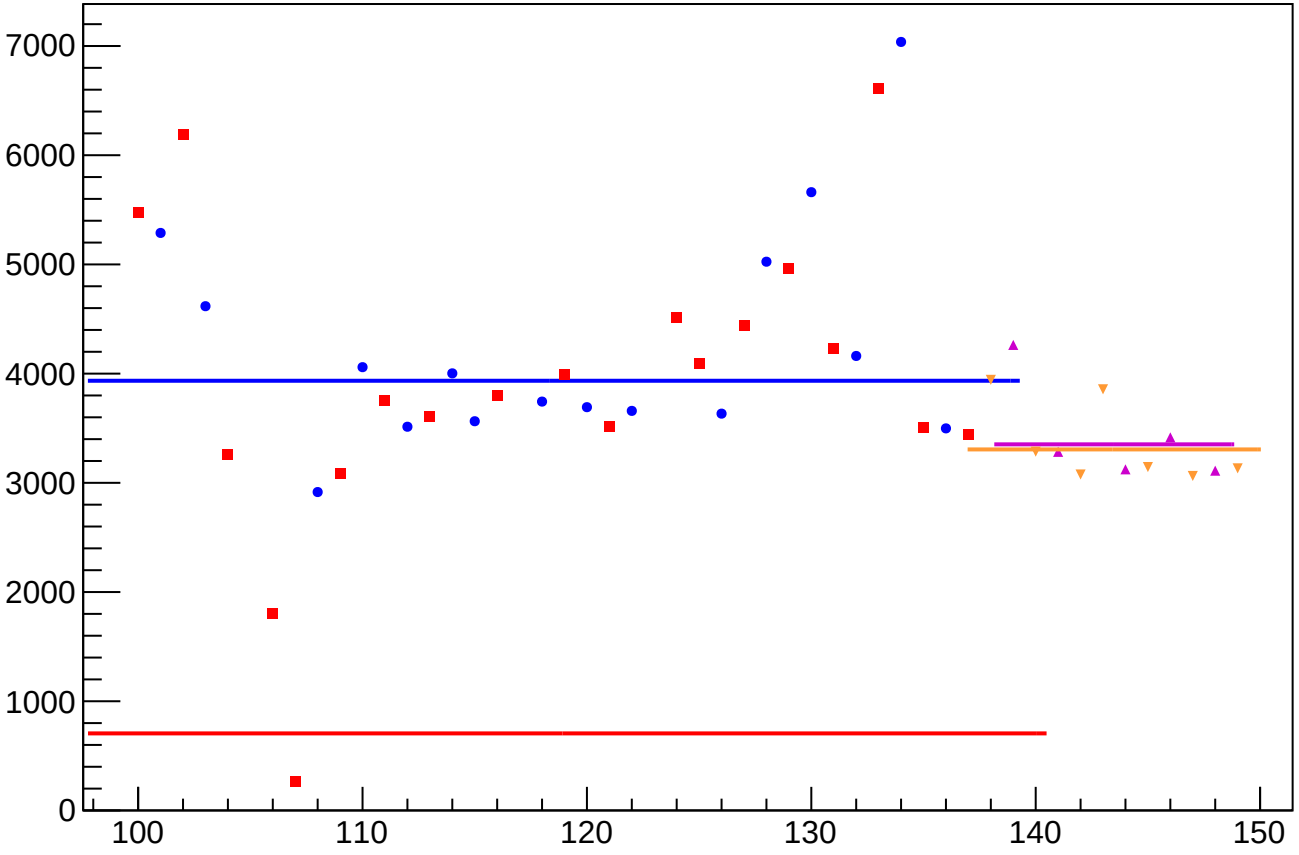
+ sign 1819.010+/-0.364 χ^2/NDF: 303727.3/22

All: 1824.608+/-0.263 χ^2/NDF: 706924.3/46

- sign 1830.722+/-0.381 χ^2/NDF: 402703.3/23


asym_atl1r2_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 1175.408+/-1502.134 χ²/NDF: 13.7/15
Left Out: -2970.951+/-1441.752 χ²/NDF:4.3/6
Right Out: -115.917+/-512.289 χ²/NDF: 18.6/18
Left In: 1007.686+/-1617.383 χ²/NDF:1.3/4
+ sign -982.782+/-1040.164 χ²/NDF: 22.0/22
All: -188.556+/-442.074 χ²/NDF: 43.0/46
- sign -13.470+/-488.377 χ²/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: 3305.893+/-1.019 χ^2/NDF:97570.6/6

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

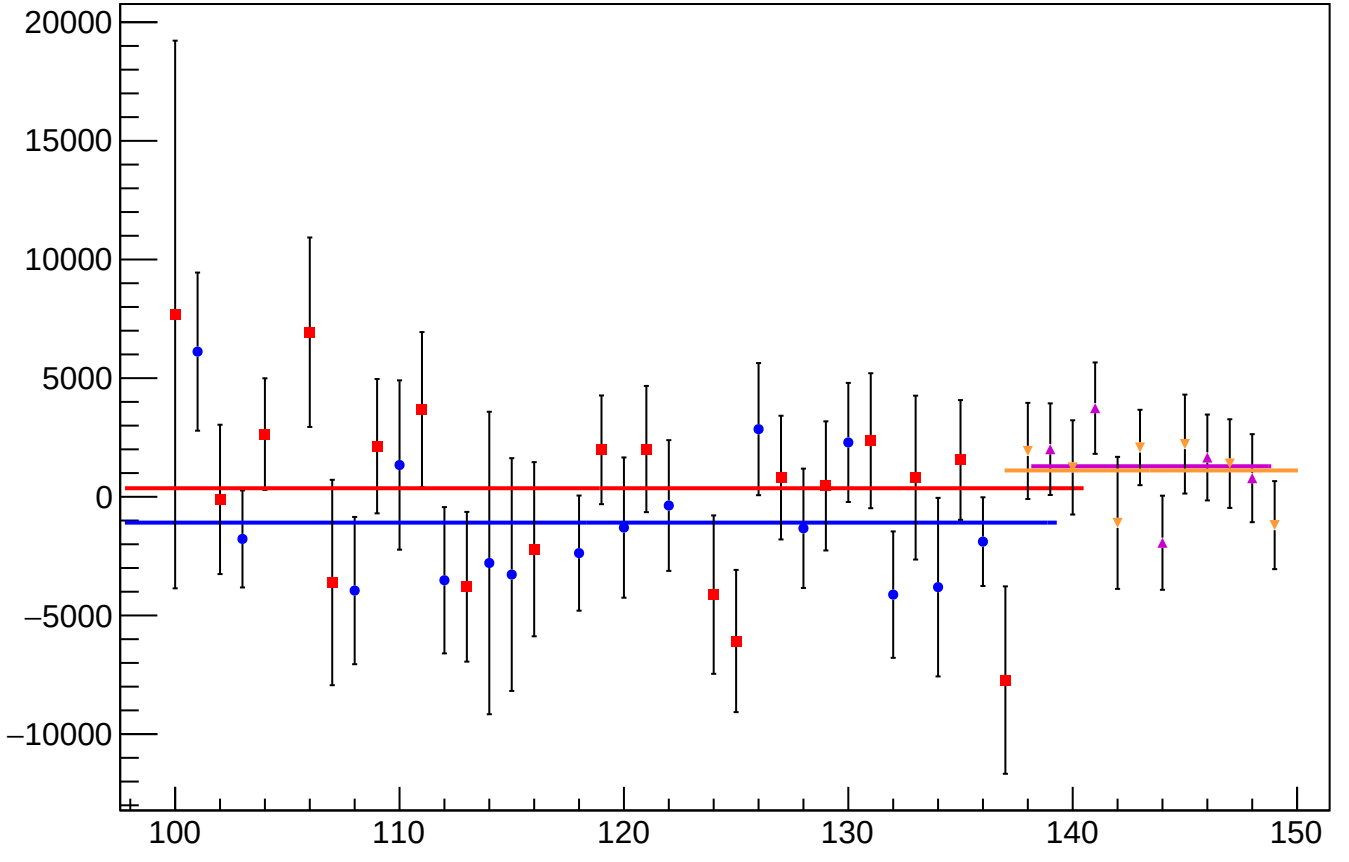
Left In: 3352.481+/-1.144 χ^2/NDF:98062.3/4

+ sign 3607.417+/-0.736 χ^2/NDF: 840154.7/22

All: 1427.508+/-0.313 χ^2/NDF: 27274047.4/4

- 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: 1110.556+/-739.064 χ^2/NDF:3.0/6

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

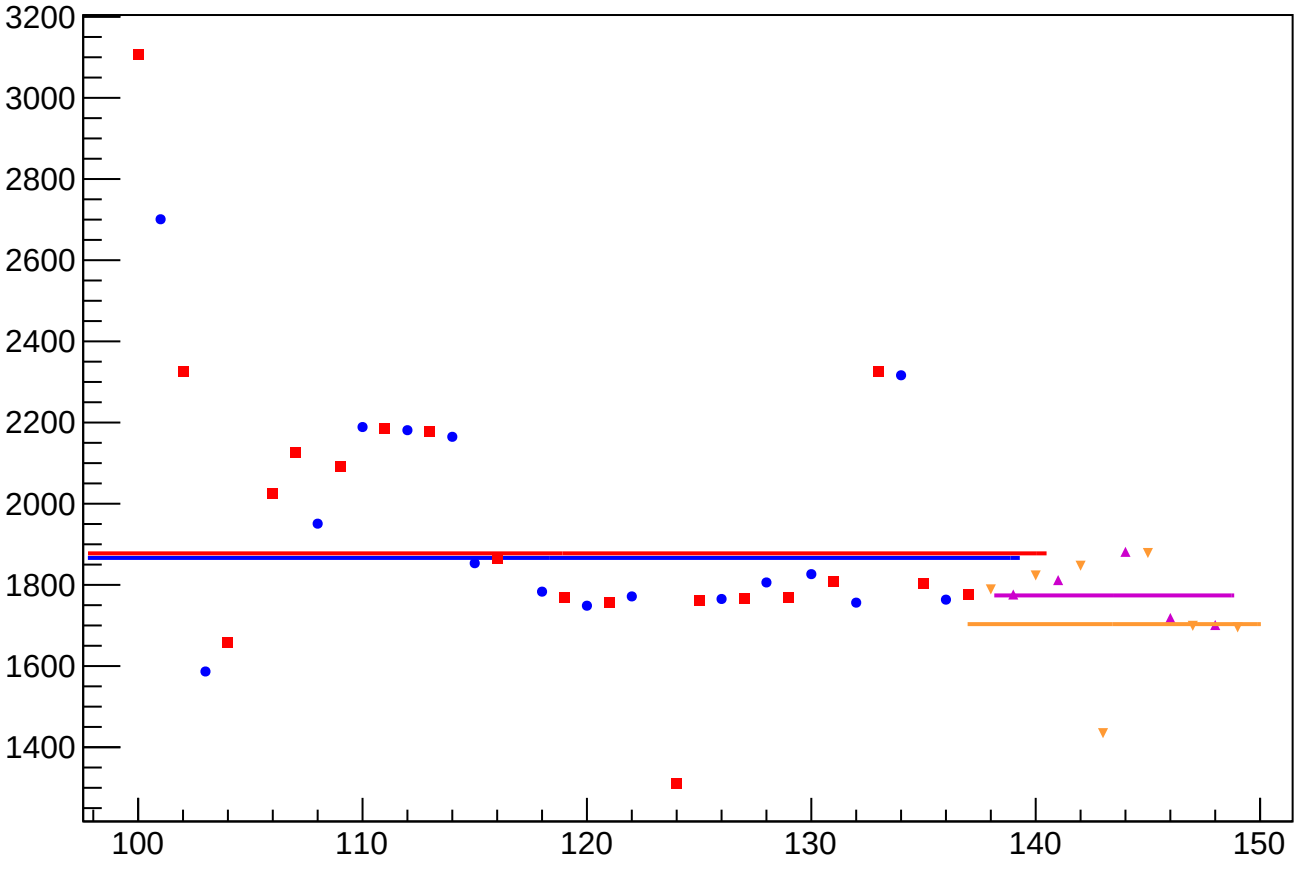
Left In: 1287.676+/-848.708 χ^2/NDF:4.5/4

+ sign -48.877+/-508.063 χ^2/NDF: 20.9/22

All: 319.805+/-369.987 χ^2/NDF: 48.0/46

- 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: 1703.325+/-0.523 χ^2/NDF:87658.6/6

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

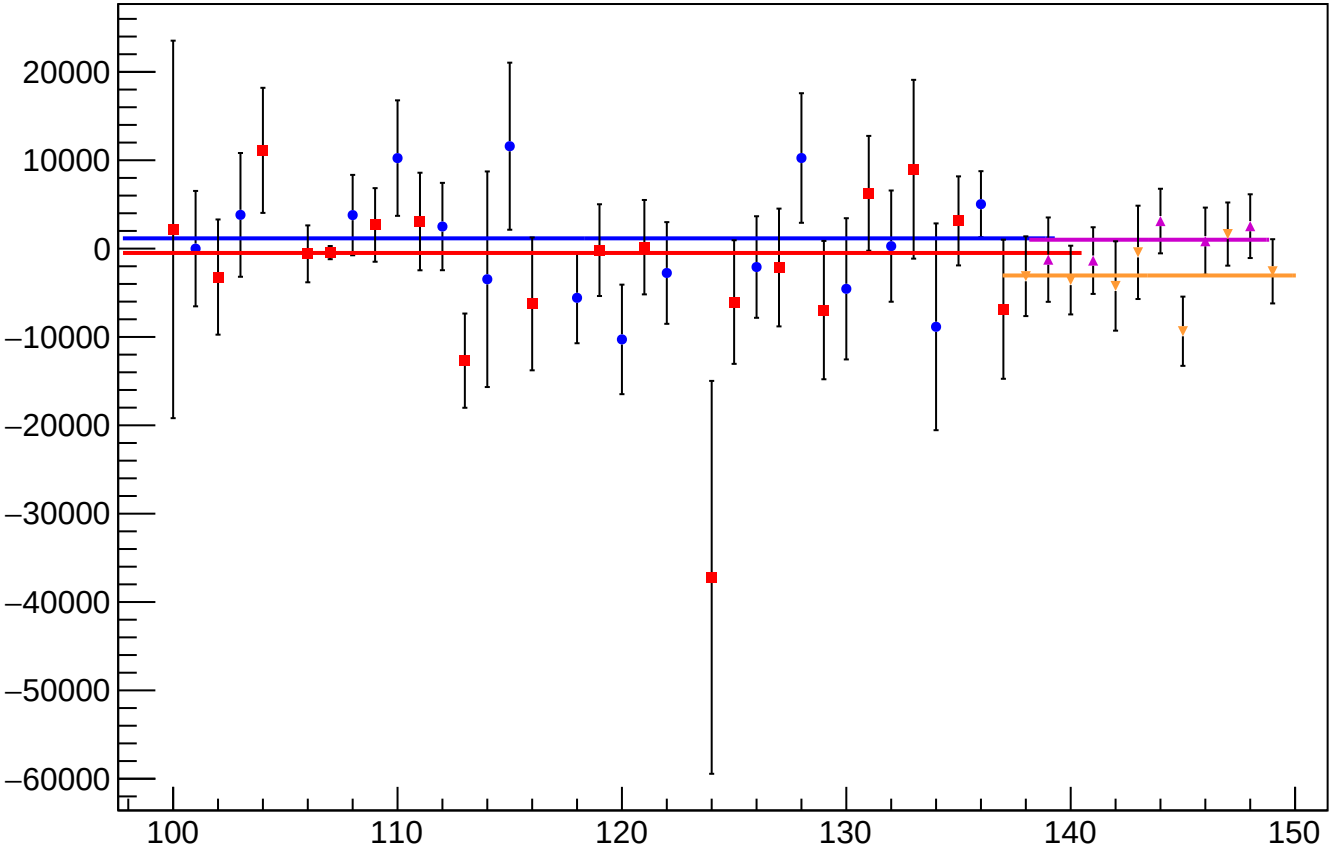
Left In: 1774.029+/-0.600 χ^2/NDF:11617.5/4

+ sign 1789.364+/-0.359 χ^2/NDF: 395313.2/22

All: 1811.171+/-0.262 χ^2/NDF: 684386.5/46

- 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: -3041.050+/-1563.097 χ^2/NDF:4.6/6

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

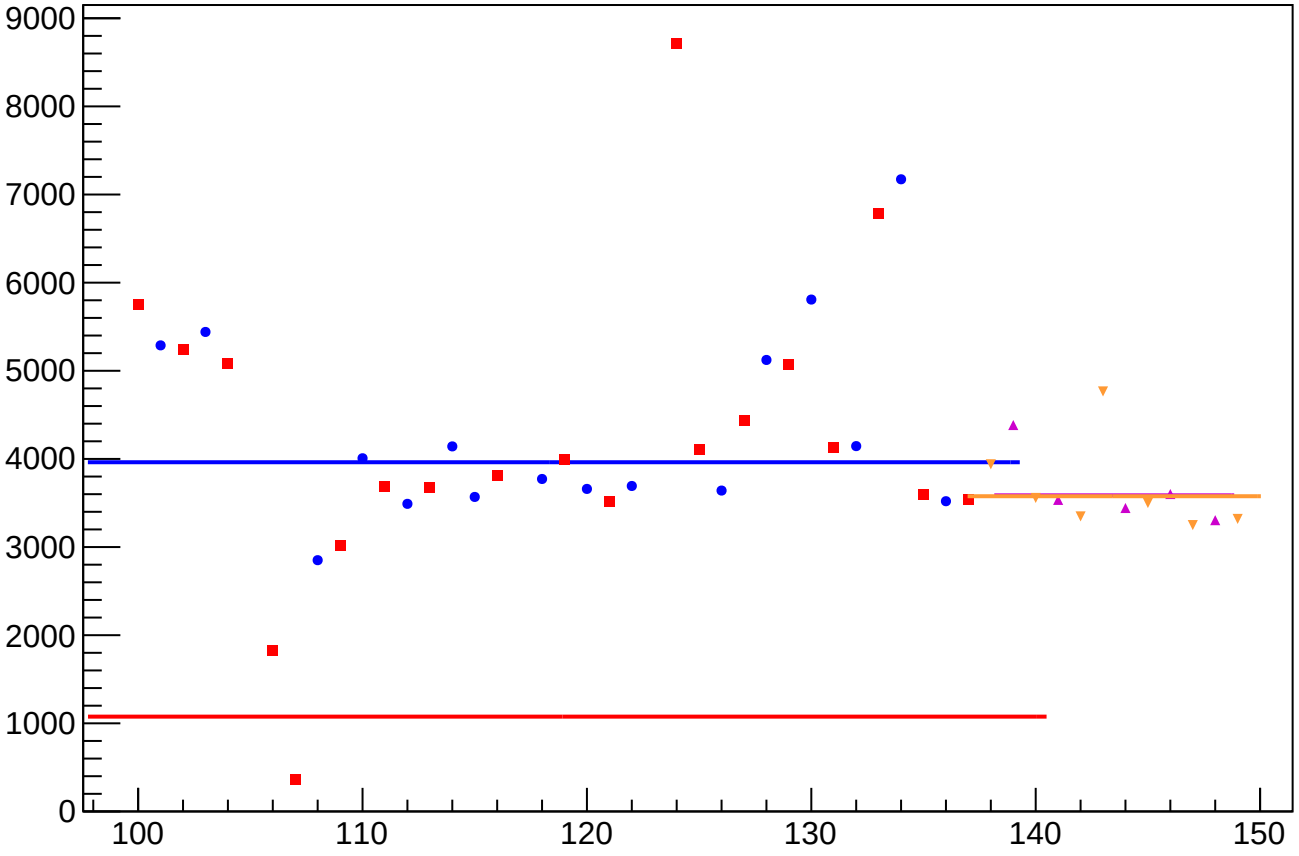
Left In: 1004.522+/-1728.058 χ^2/NDF:1.1/4

+ sign -870.469+/-1086.844 χ^2/NDF: 22.0/22

All: -440.773+/-535.477 χ^2/NDF: 41.0/46

- 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: 3576.735+/-1.105 χ^2/NDF:146003.2/6

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

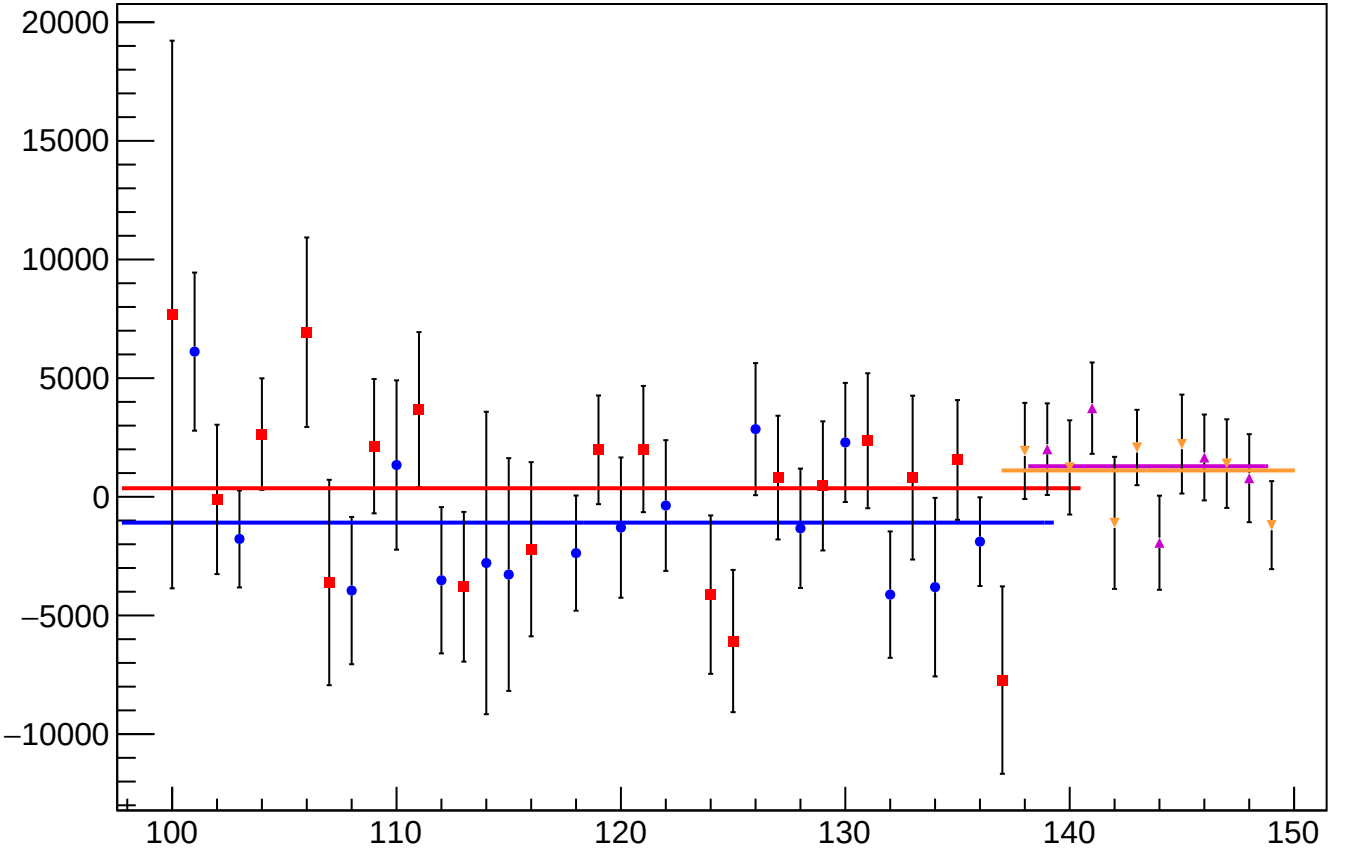
Left In: 3586.990+/-1.222 χ^2/NDF:71542.9/4

+ sign 3775.929+/-0.769 χ^2/NDF: 877222.0/22

All: 1972.468+/-0.379 χ^2/NDF: 21466827.0/4

- 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: 1110.548+/-739.065 χ^2/NDF:3.0/6

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

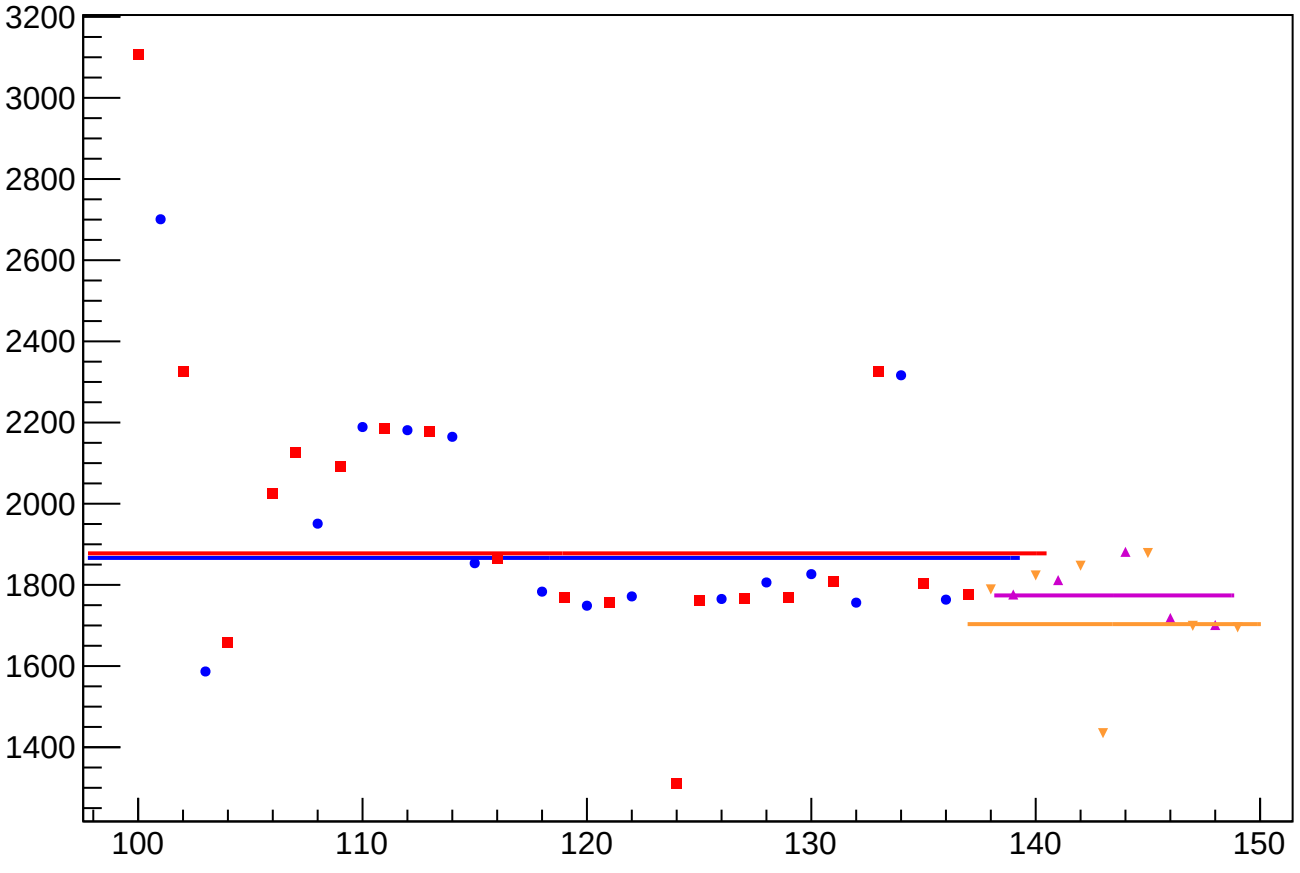
Left In: 1287.671+/-848.709 χ^2/NDF:4.5/4

+ sign -48.884+/-508.063 χ^2/NDF: 20.9/22

All: 319.802+/-369.987 χ^2/NDF: 48.0/46

- 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: 1703.326+/-0.523 χ^2/NDF:87657.7/6

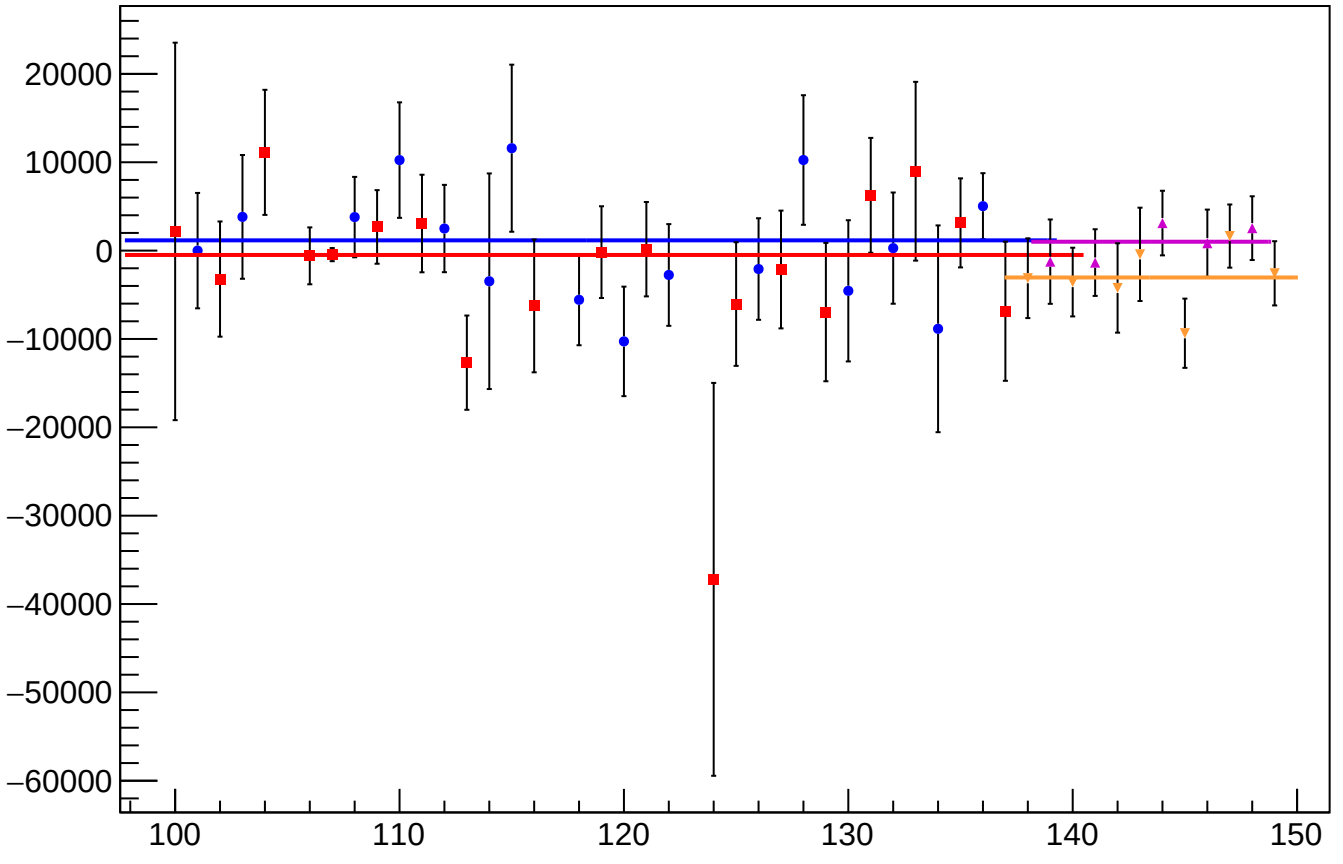
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1774.030+/-0.600 χ^2/NDF:11617.4/4

+ sign 1789.365+/-0.359 χ^2/NDF: 395311.4/22

All: 1811.171+/-0.262 χ^2/NDF: 684384.6/46

- 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: -3041.055+/-1563.099 χ^2/NDF:4.6/6

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

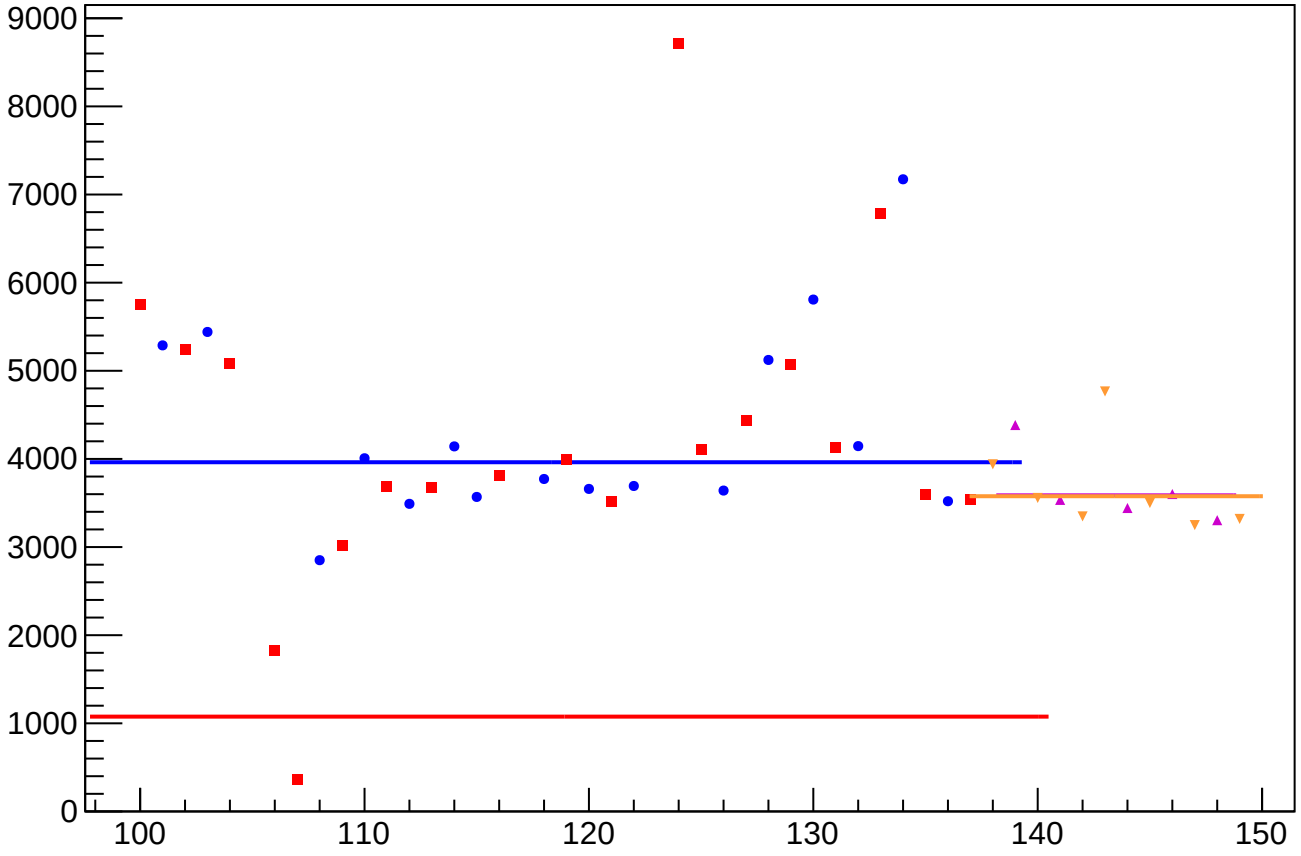
Left In: 1004.515+/-1728.060 χ^2/NDF:1.1/4

\+ sign -870.476+/-1086.844 χ^2/NDF: 22.0/22

All: -440.780+/-535.483 χ^2/NDF: 41.0/46

\- 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: 3576.739+/-1.105 χ^2/NDF:146001.5/6

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

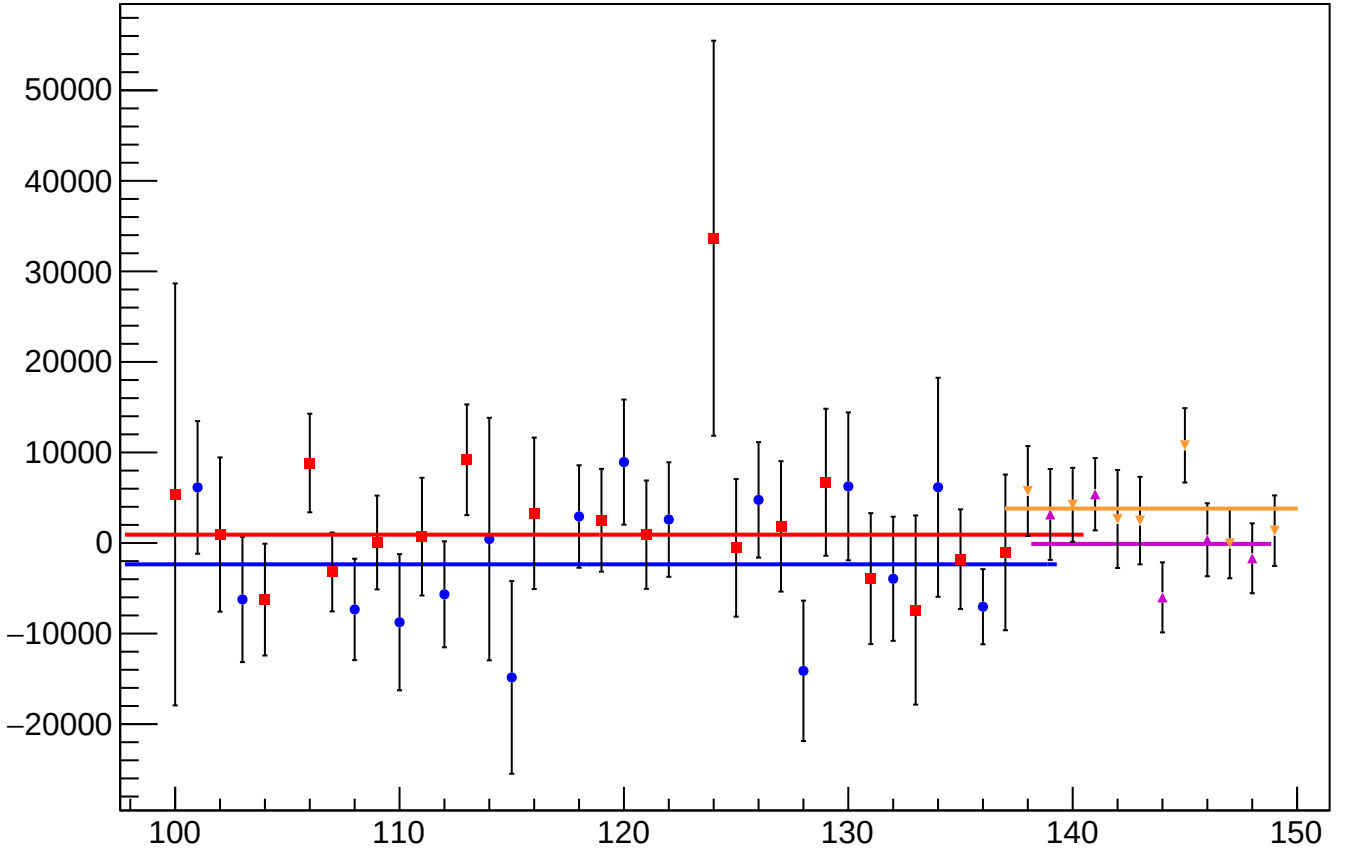
Left In: 3586.994+/-1.222 χ^2/NDF:71543.3/4

+ sign 3775.928+/-0.769 χ^2/NDF: 877213.4/22

All: 1972.508+/-0.379 χ^2/NDF: 21466317.8/4

- 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: 3804.323+/-1643.586 χ^2/NDF:4.6/6

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

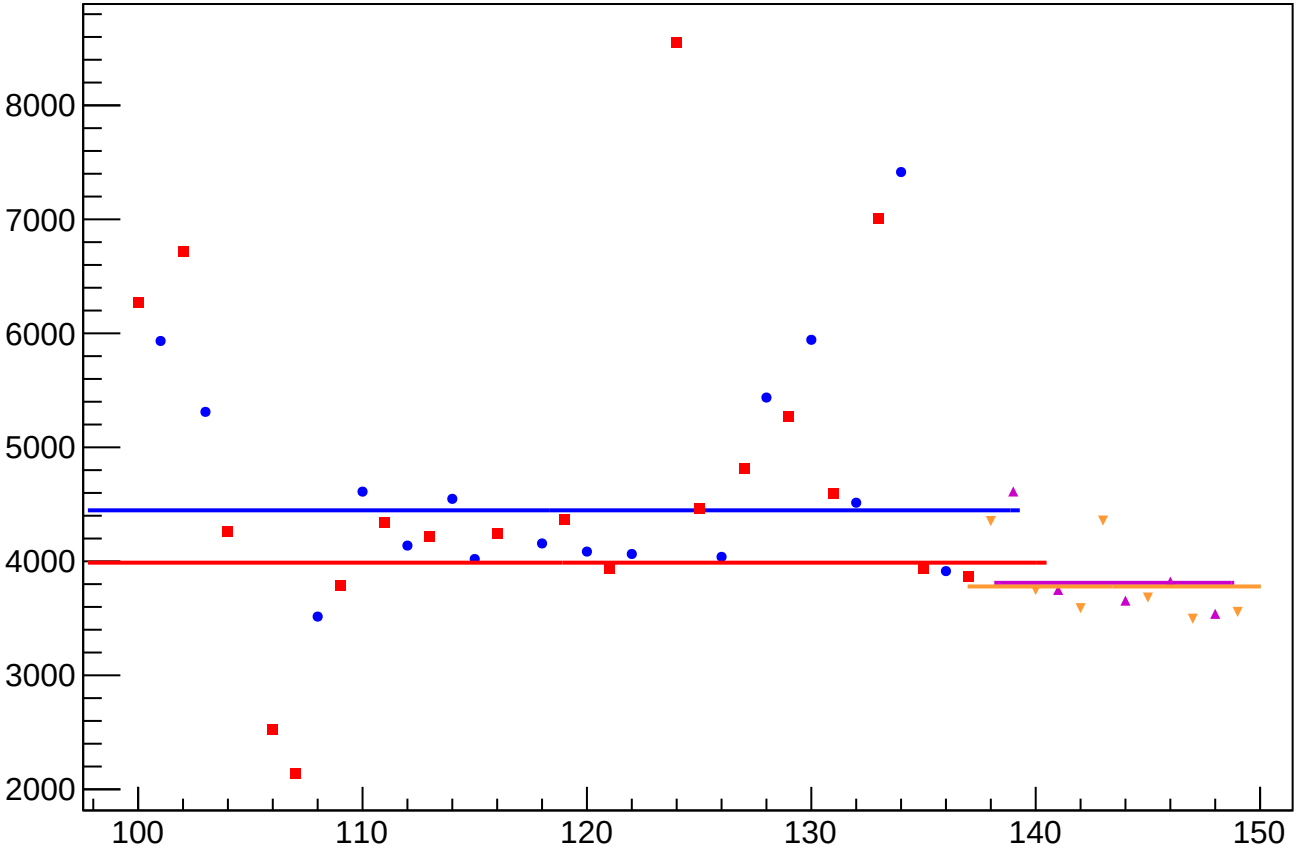
Left In: -97.078+/-1832.560 χ^2/NDF:4.8/4

+ sign 800.963+/-1176.486 χ^2/NDF: 27.0/22

All: 651.036+/-833.866 χ^2/NDF: 42.6/46

- 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: 3779.470+/-1.162 χ^2/NDF:76450.9/6

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

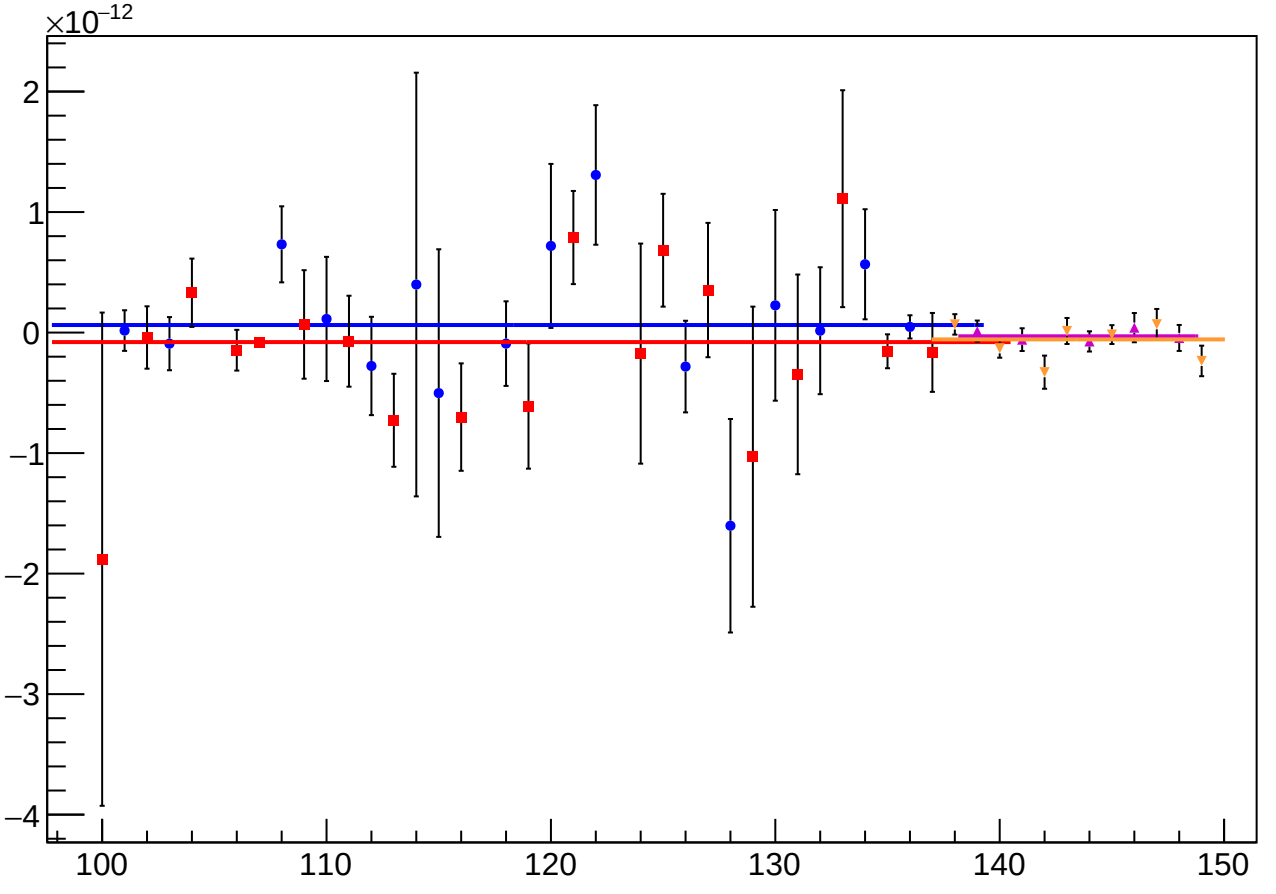
Left In: 3811.353+/-1.296 χ^2/NDF:64708.0/4

+ sign 4105.180+/-0.832 χ^2/NDF: 695775.0/22

All: 4010.236+/-0.588 χ^2/NDF: 1941409.6/46

- 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:10.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

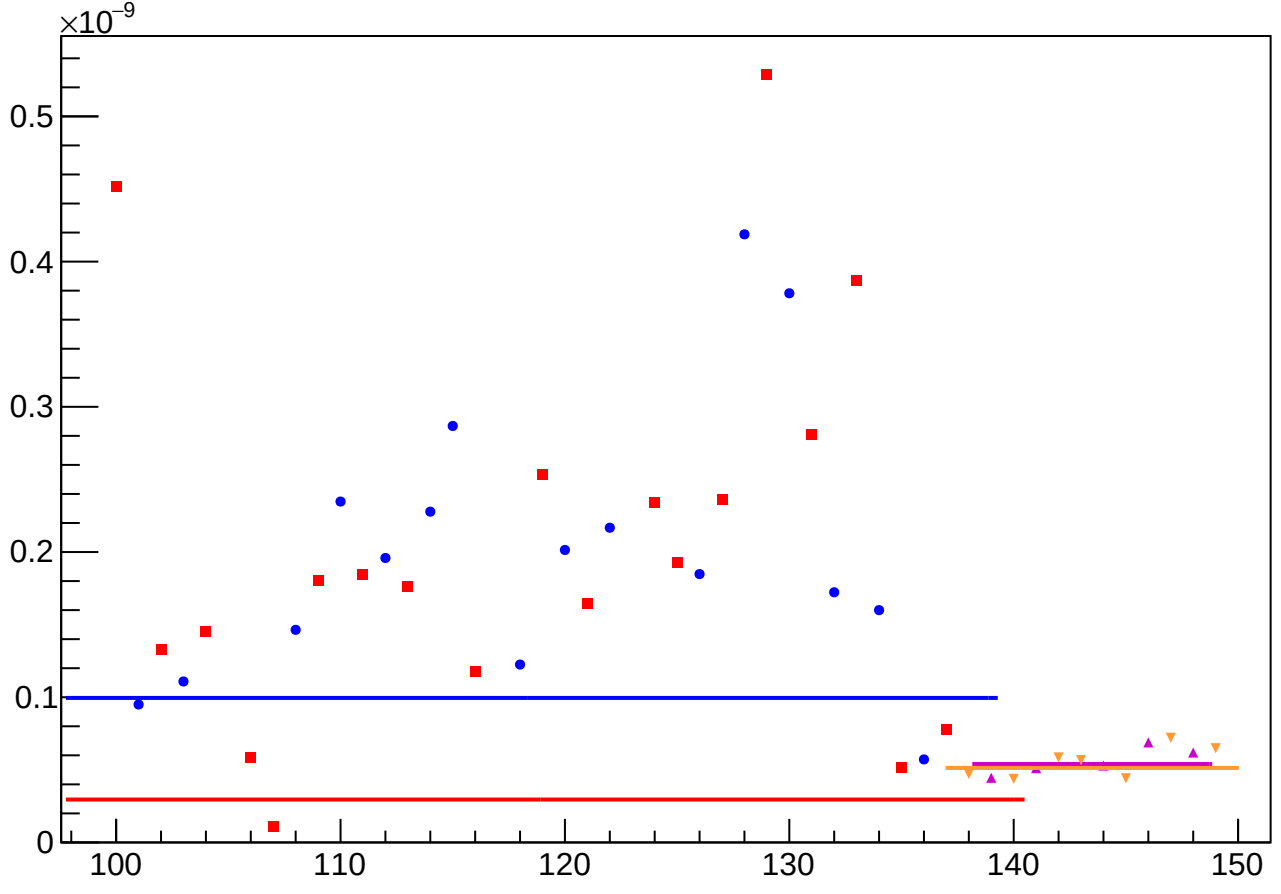
Left In: -0.000+/-0.000 χ^2/NDF:0.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/22

All: -0.000+/-0.000 χ^2/NDF: 52.7/46

- sign -0.000+/-0.000 χ^2/NDF: 21.8/23

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:126933.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

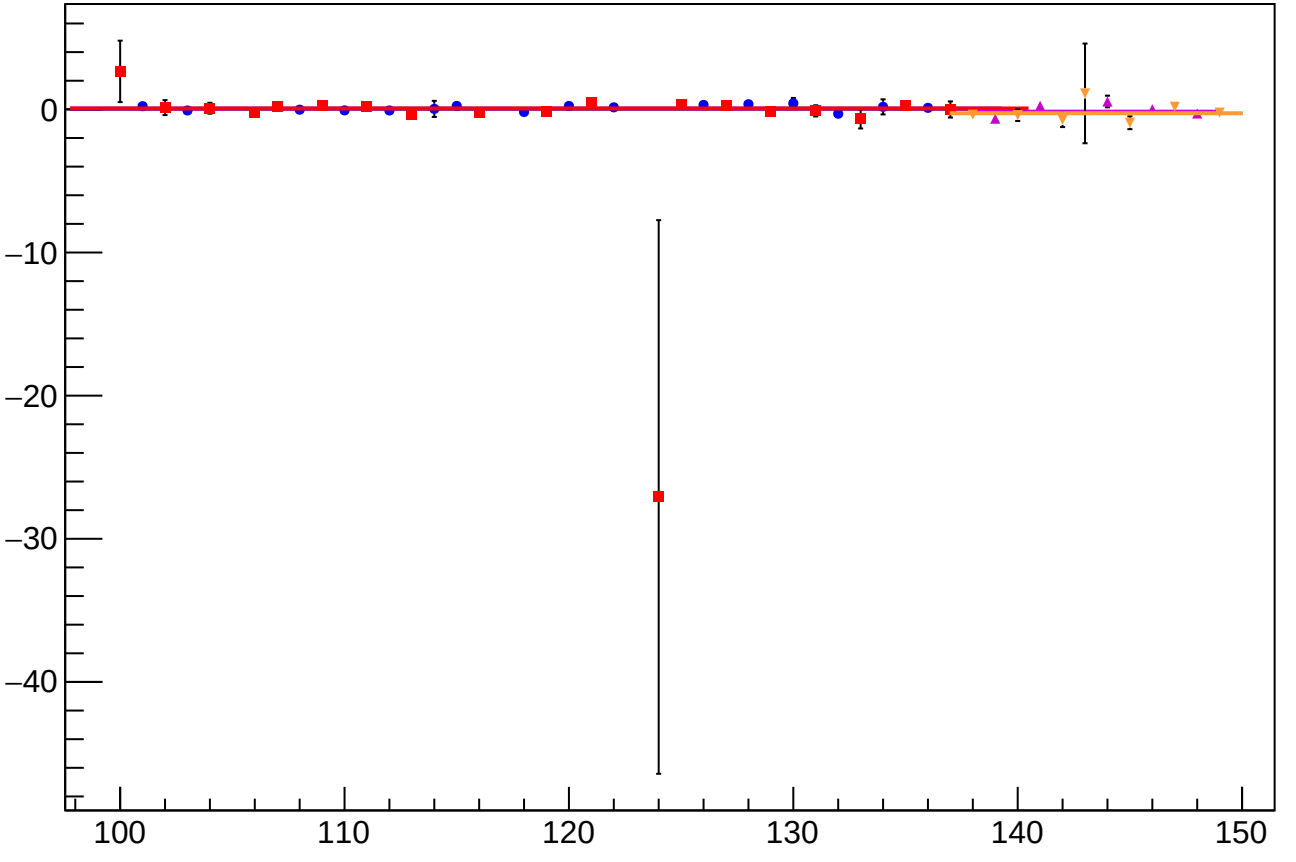
Left In: 0.000+/-0.000 χ^2/NDF:66020.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 2463583.0/22

All: 0.000+/-0.000 χ^2/NDF: 7934782.1/46

- 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: -0.272+/-0.138 χ^2/NDF:6.2/6

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

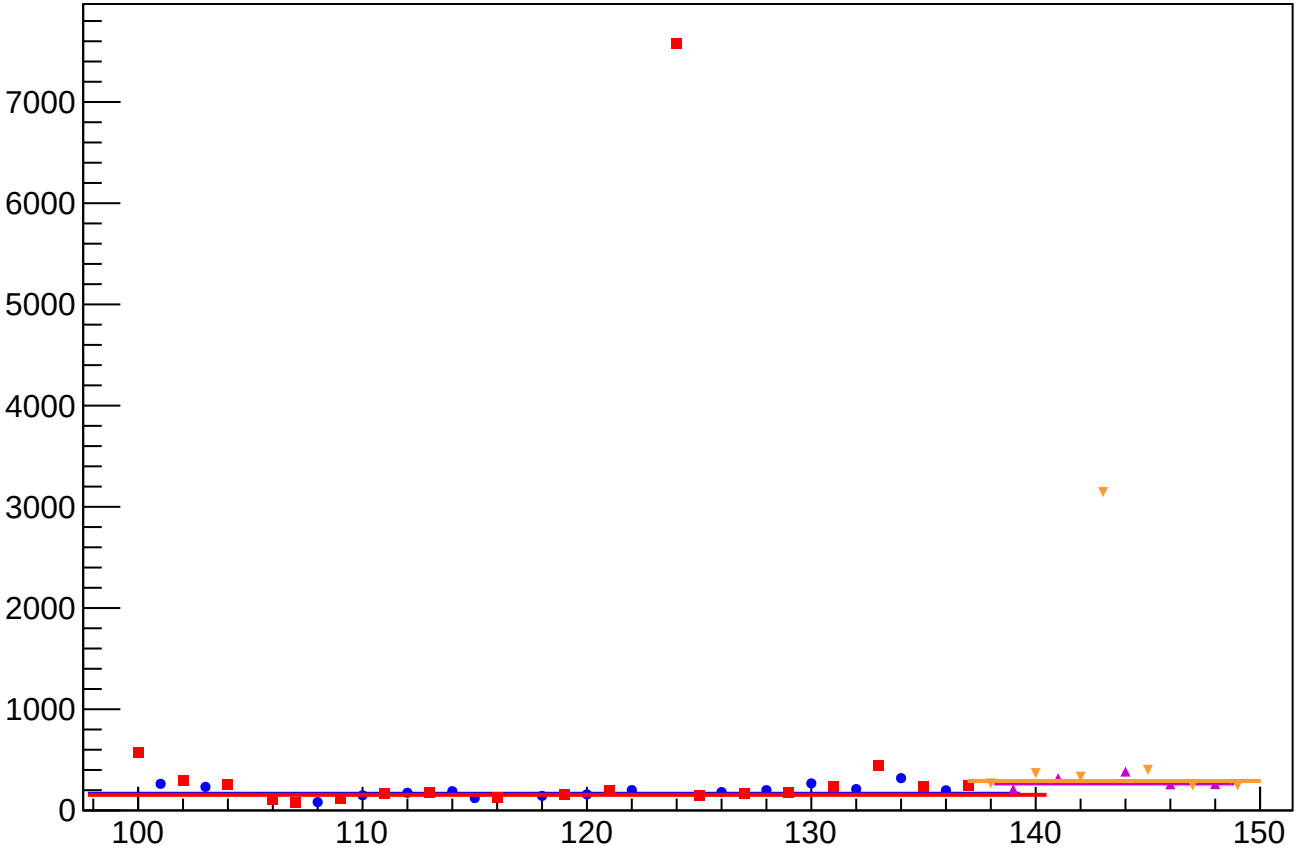
Left In: -0.162+/-0.132 χ^2/NDF:9.3/4

+ sign -0.012+/-0.060 χ^2/NDF: 18.2/22

All: 0.004+/-0.042 χ^2/NDF: 48.3/46

- 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: 291.182+/-0.098 χ^2/NDF:1662637.6/6

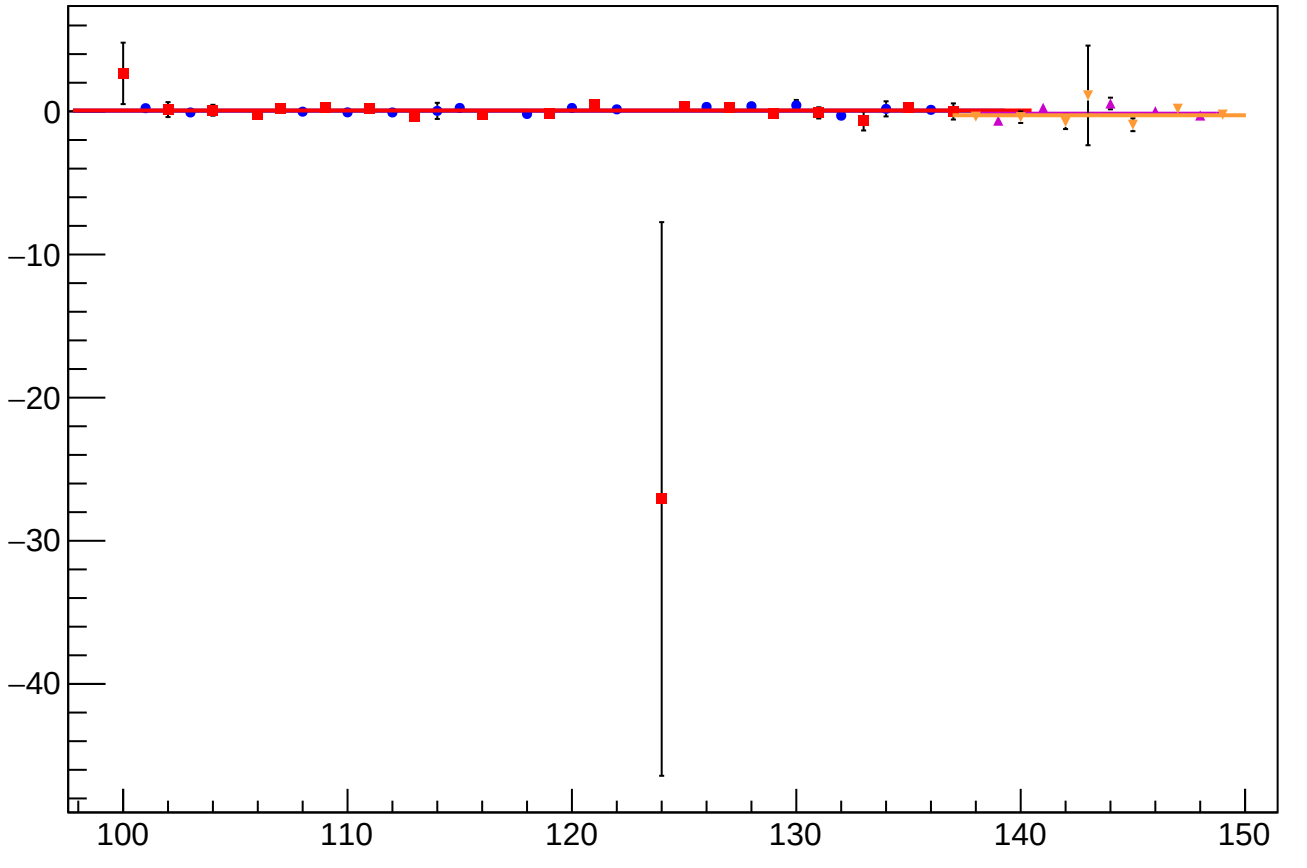
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 266.403+/-0.093 χ^2/NDF:330996.2/4

+ sign 188.512+/-0.042 χ^2/NDF: 4492262.3/22

All: 182.016+/-0.029 χ^2/NDF: 7954490.4/46

- sign 175.945+/-0.041 χ^2/NDF: 3416677.6/23



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.272+/-0.138 χ^2/NDF:6.2/6

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

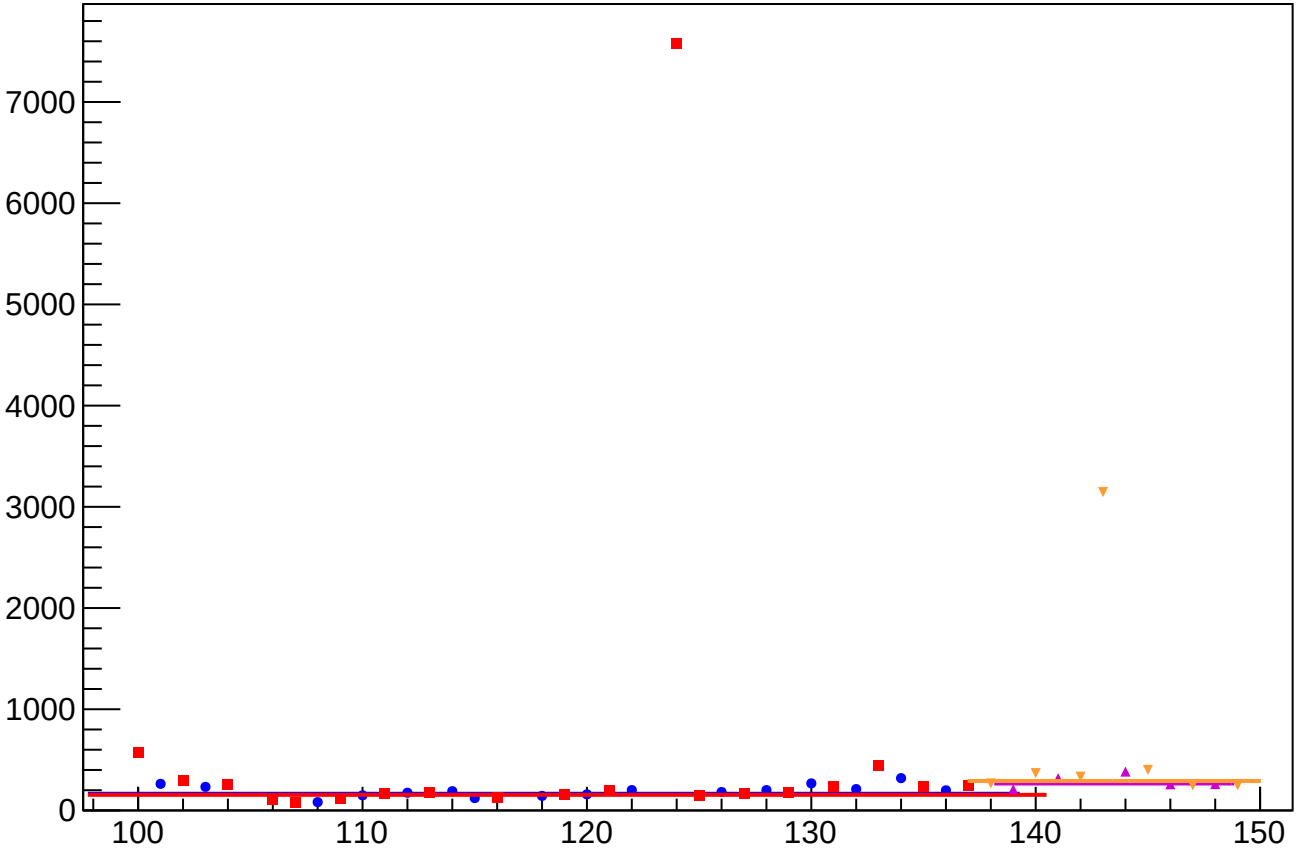
Left In: -0.162+/-0.132 χ^2/NDF:9.3/4

+ sign -0.012+/-0.060 χ^2/NDF: 18.2/22

All: 0.004+/-0.042 χ^2/NDF: 48.3/46

- 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: 291.182+/-0.098 χ^2/NDF:1662637.6/6

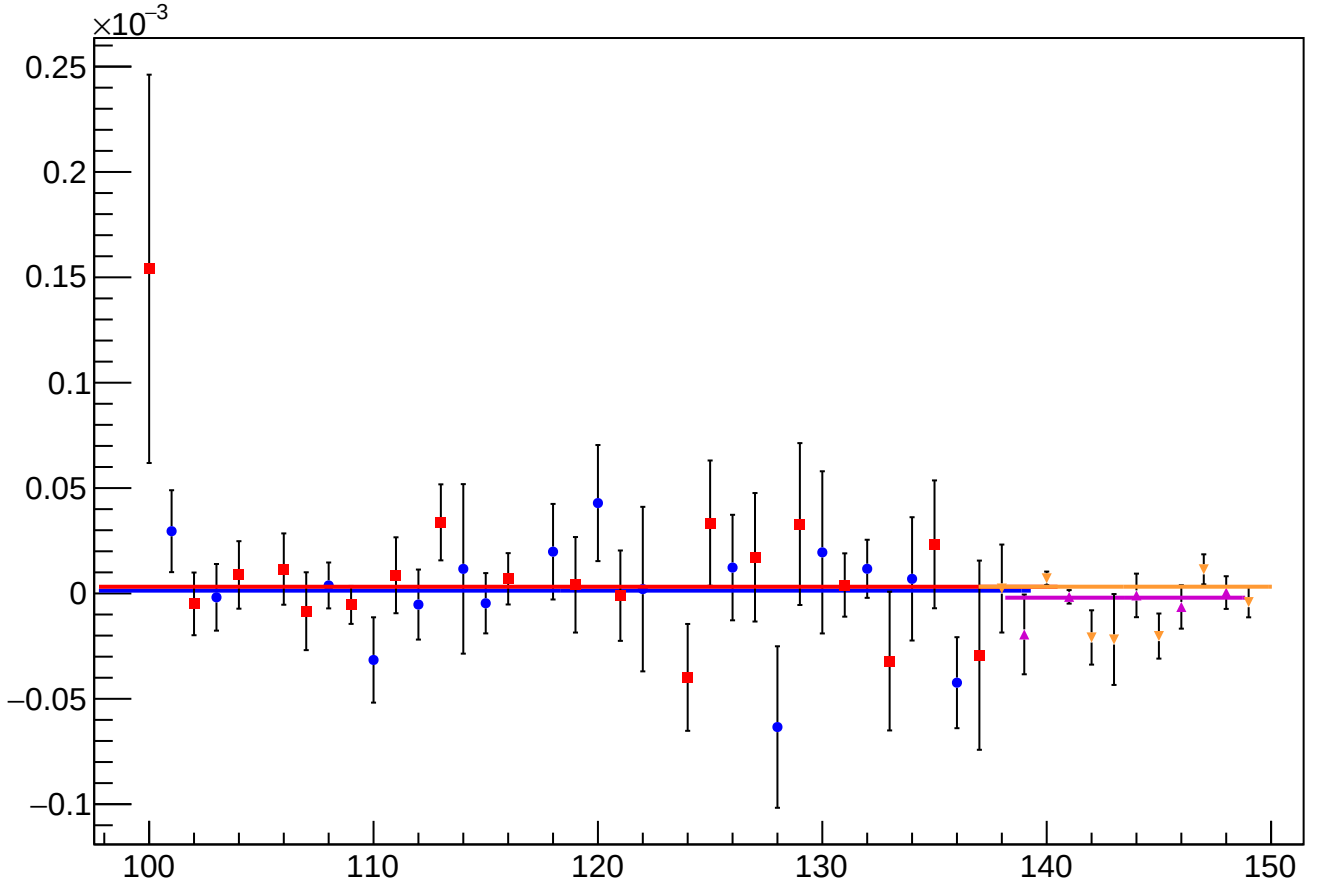
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 266.403+/-0.093 χ^2/NDF:330996.2/4

+ sign 188.512+/-0.042 χ^2/NDF: 4492262.3/22

All: 182.016+/-0.029 χ^2/NDF: 7954490.4/46

- 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:13.5/6

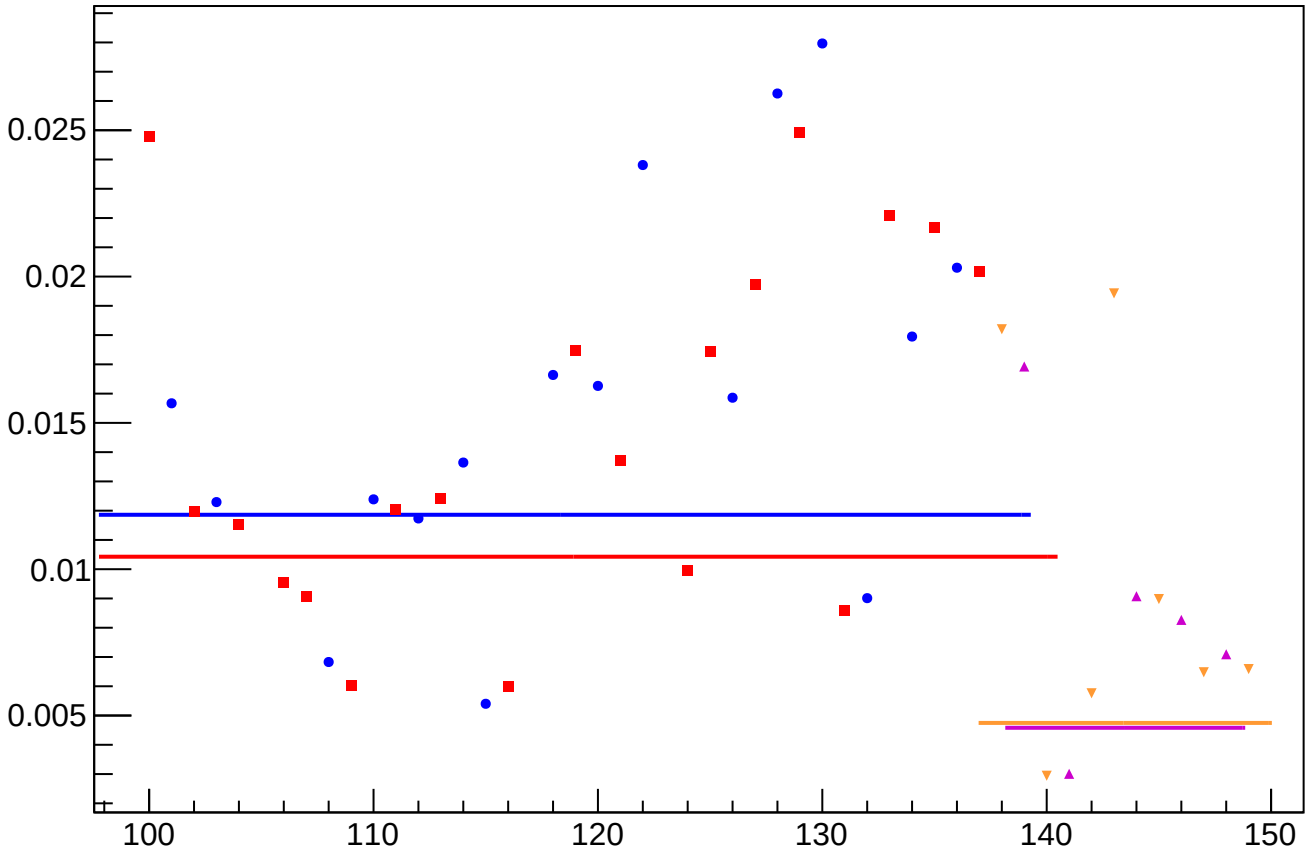
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 29.8/22

All: 0.000+/-0.000 χ^2/NDF: 47.7/46

- sign -0.000+/-0.000 χ^2/NDF: 16.8/23



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2962074.4/6

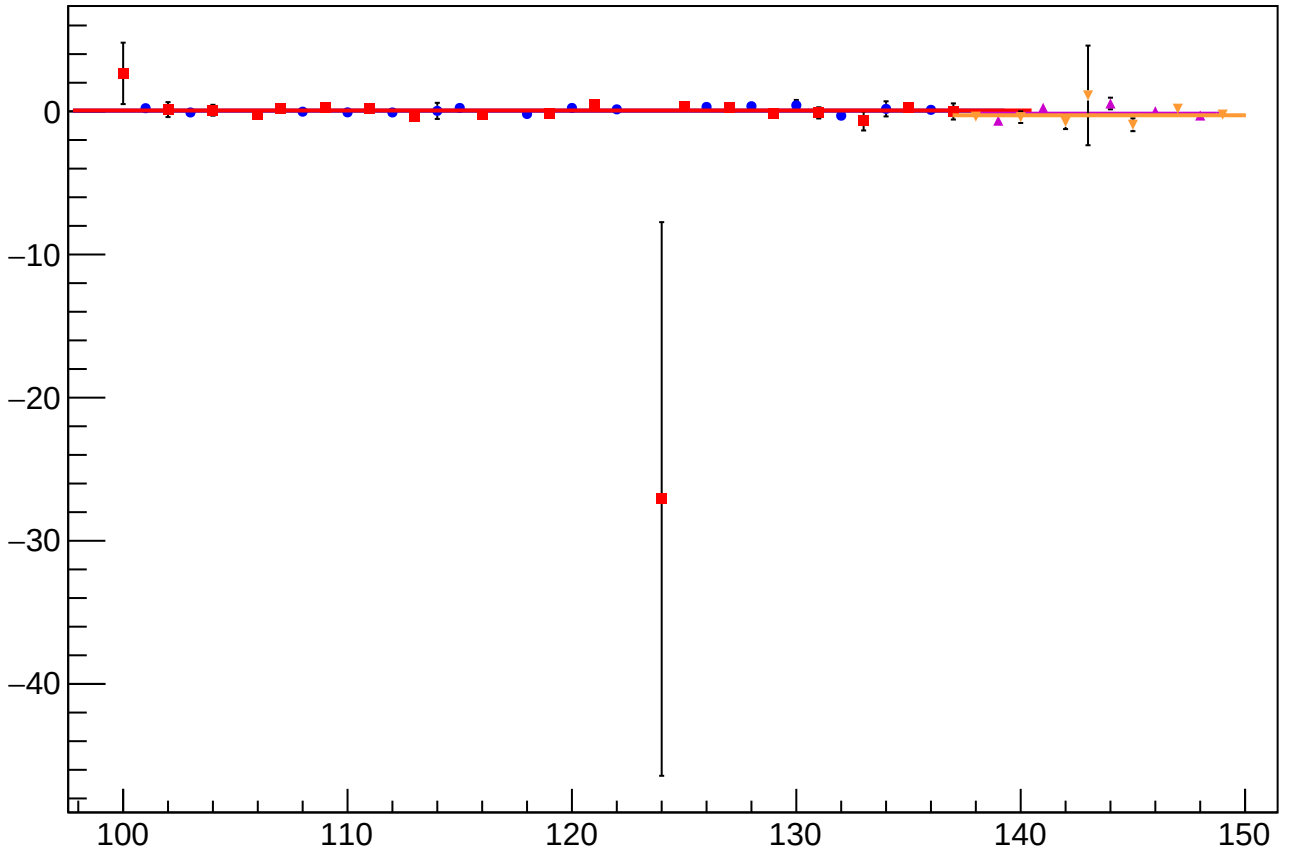
Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.005+/-0.000 χ^2/NDF:2178126.0/4

+ sign 0.006+/-0.000 χ^2/NDF: 8718916.7/22

All: 0.006+/-0.000 χ^2/NDF: 15949703.2/46

- 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: -0.272+/-0.138 χ^2/NDF:6.2/6

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

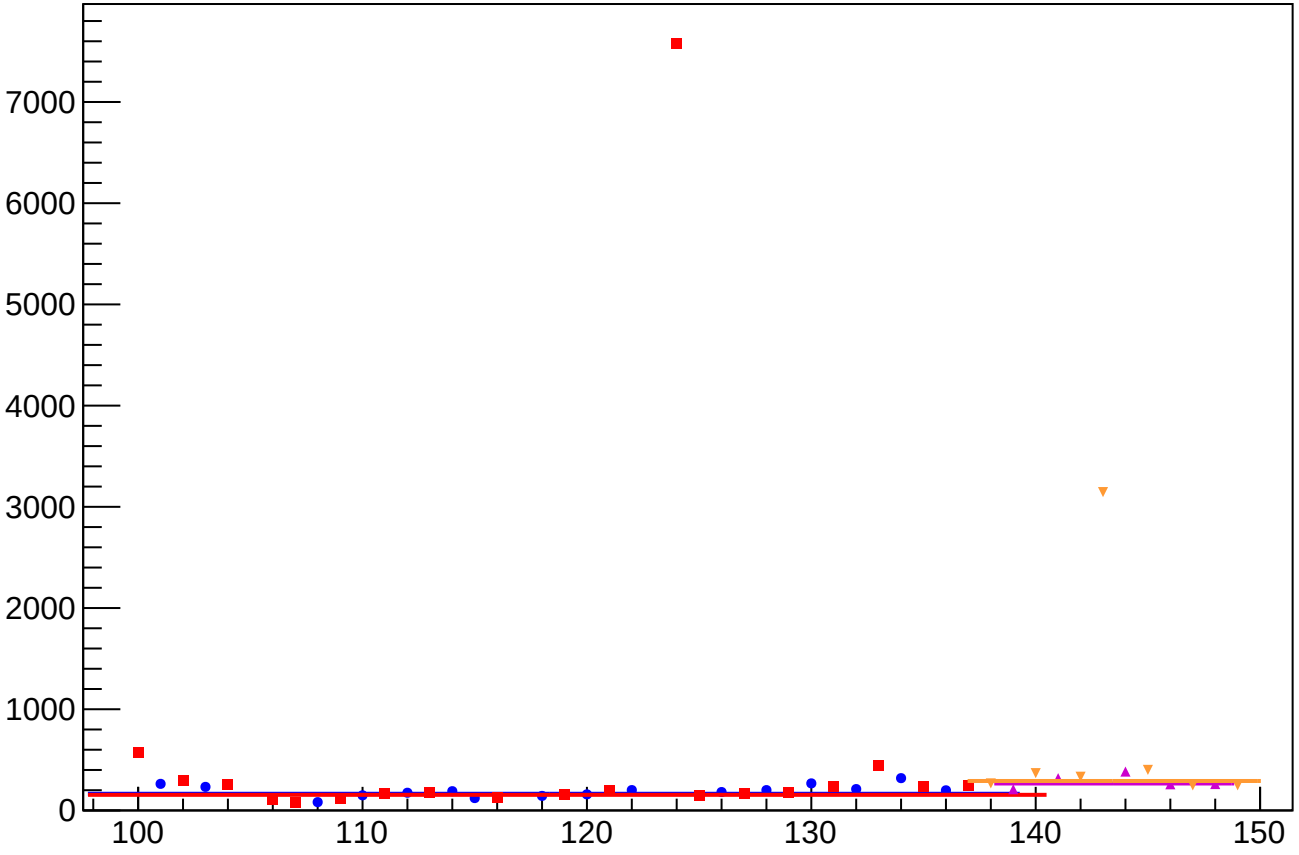
Left In: -0.162+/-0.132 χ^2/NDF:9.3/4

\+ sign -0.012+/-0.060 χ^2/NDF: 18.2/22

All: 0.004+/-0.042 χ^2/NDF: 48.3/46

\- 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: 291.186+/-0.098 χ^2/NDF:1662616.9/6

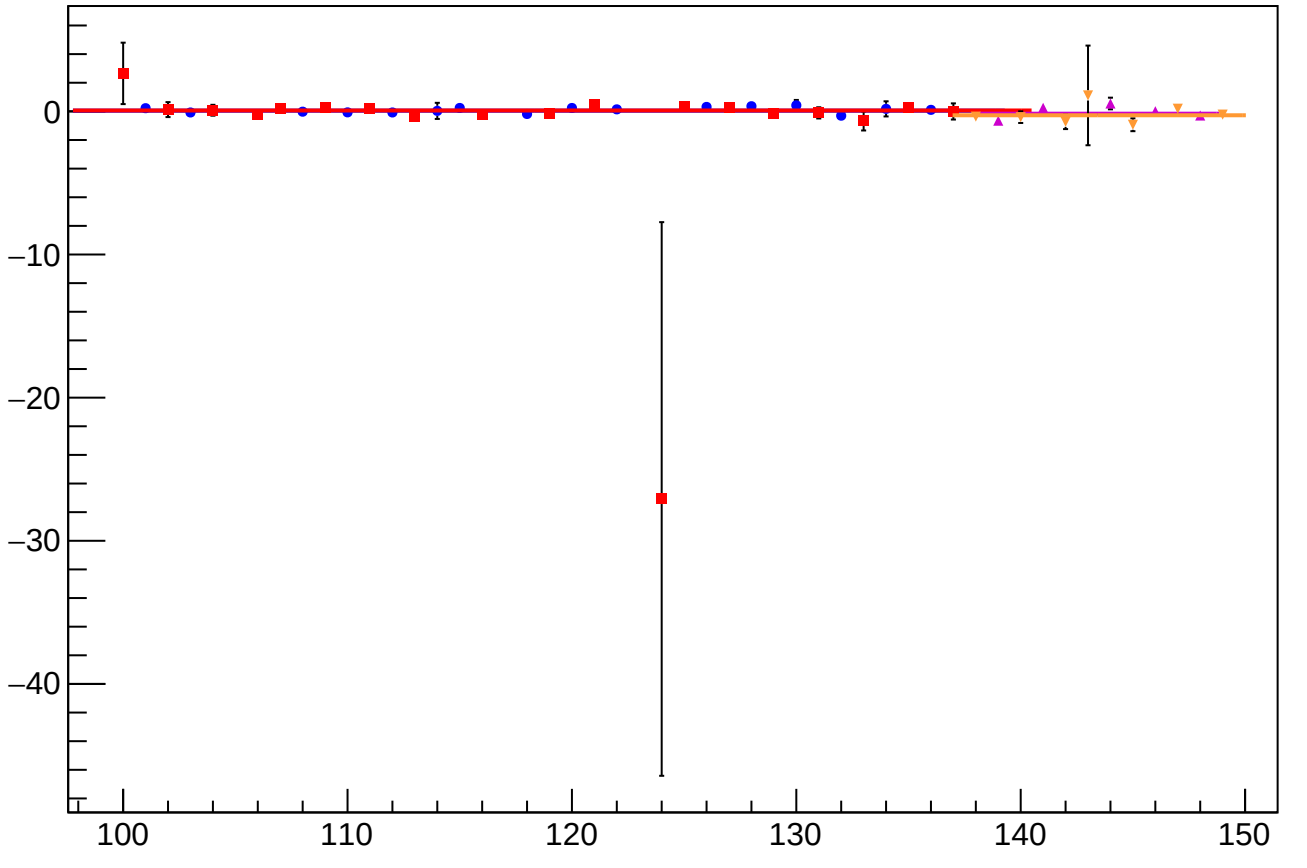
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 266.407+/-0.093 χ^2/NDF:330982.0/4

+ sign 188.512+/-0.042 χ^2/NDF: 4492286.0/22

All: 182.016+/-0.029 χ^2/NDF: 7954581.5/46

- 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: -0.272+/-0.138 χ^2/NDF:6.2/6

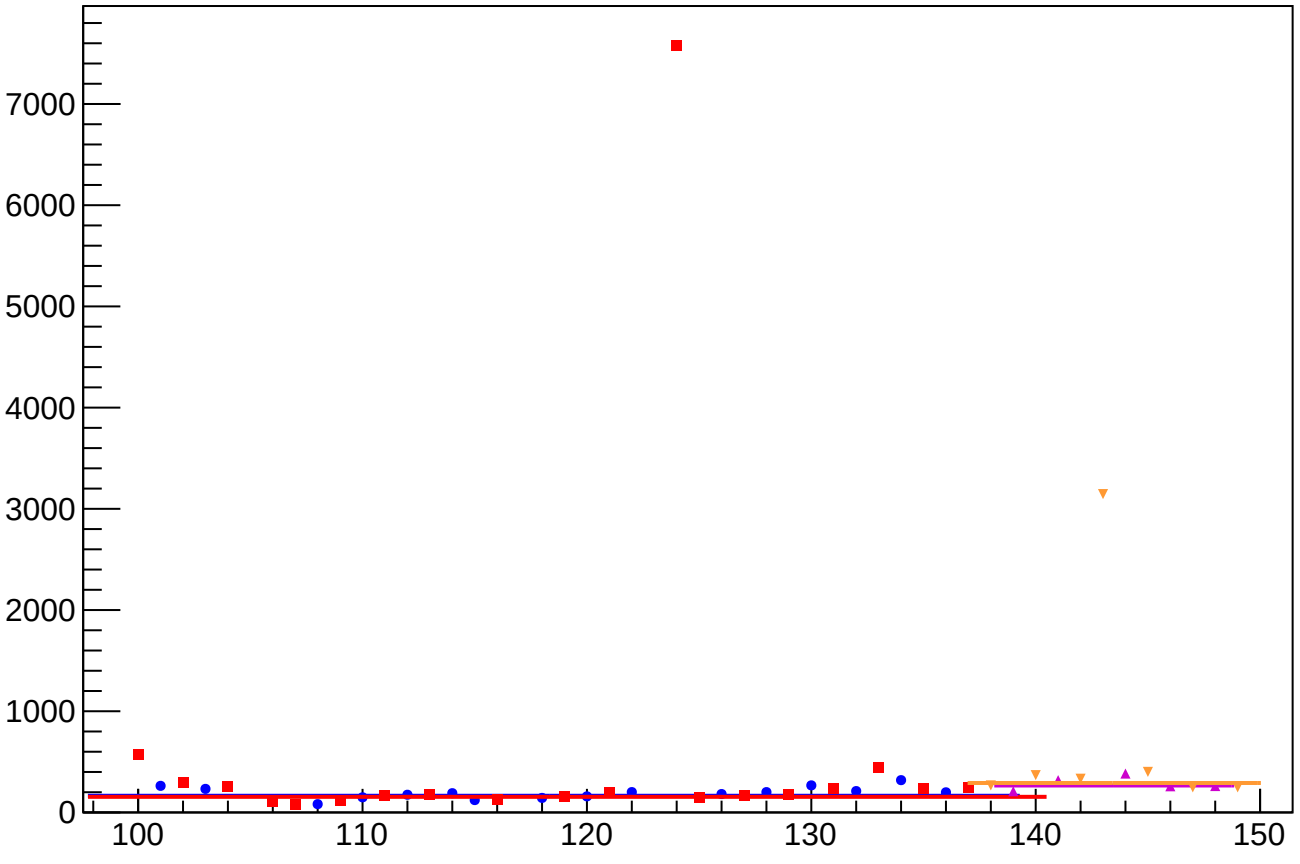
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.162+/-0.132 χ^2/NDF:9.3/4

+ sign -0.012+/-0.060 χ^2/NDF: 18.2/22

All: 0.004+/-0.042 χ^2/NDF: 48.3/46

- 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: 291.186+/-0.098 χ^2/NDF:1662616.9/6

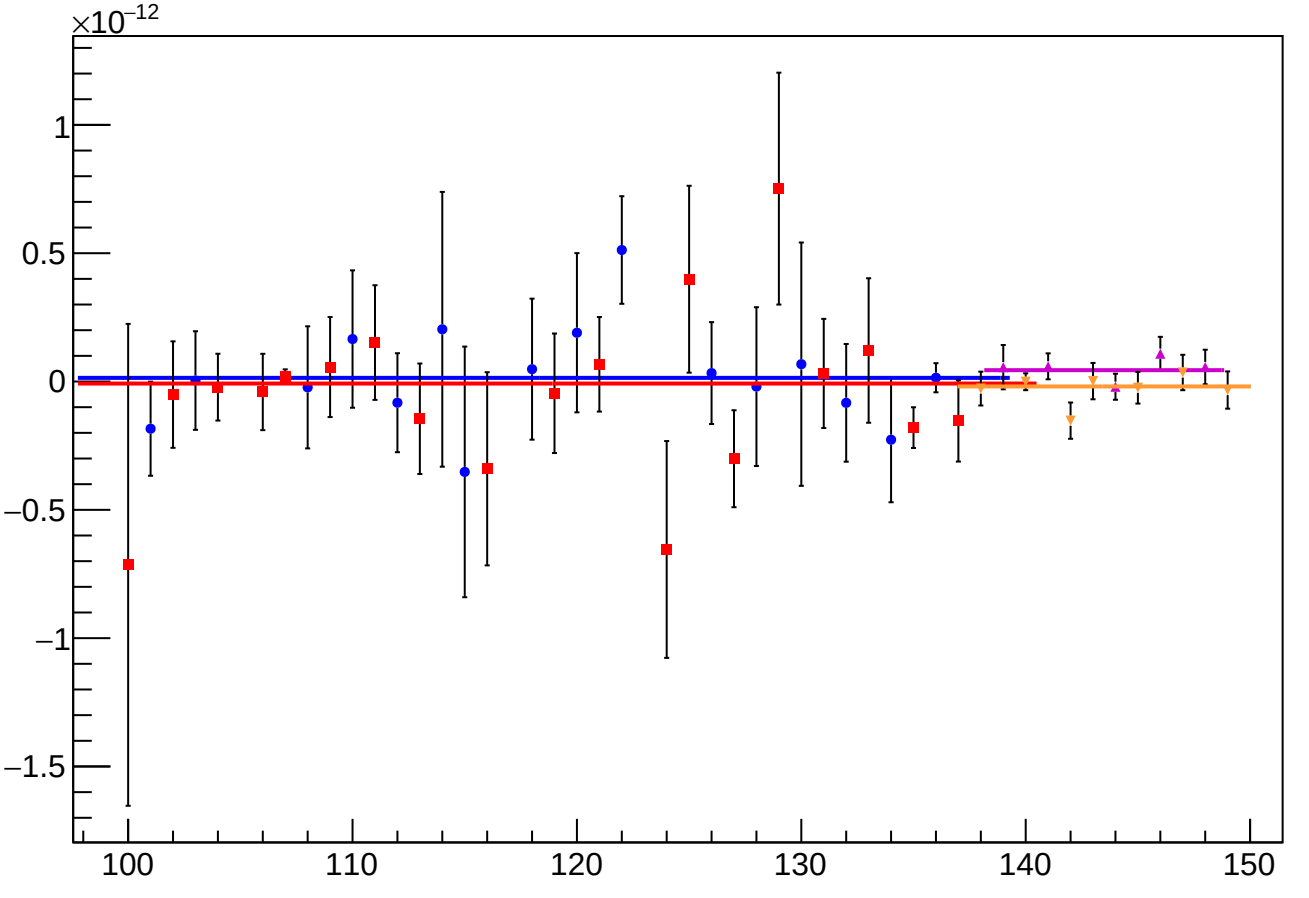
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 266.407+/-0.093 χ^2/NDF:330982.0/4

+ sign 188.512+/-0.042 χ^2/NDF: 4492286.0/22

All: 182.016+/-0.029 χ^2/NDF: 7954581.5/46

- 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:4.6/6

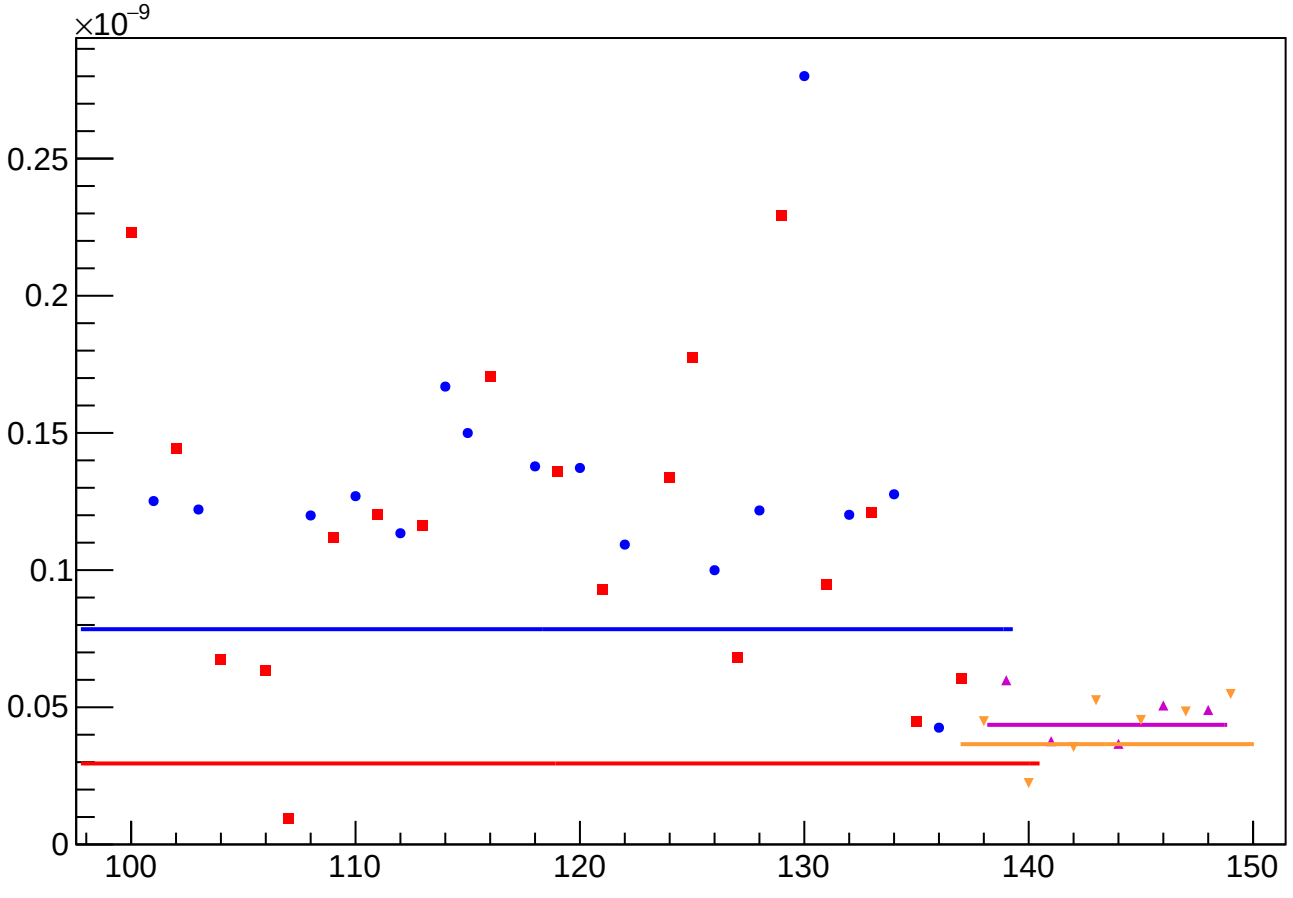
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 14.8/22

All: 0.000+/-0.000 χ^2/NDF: 39.0/46

- 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:735801.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

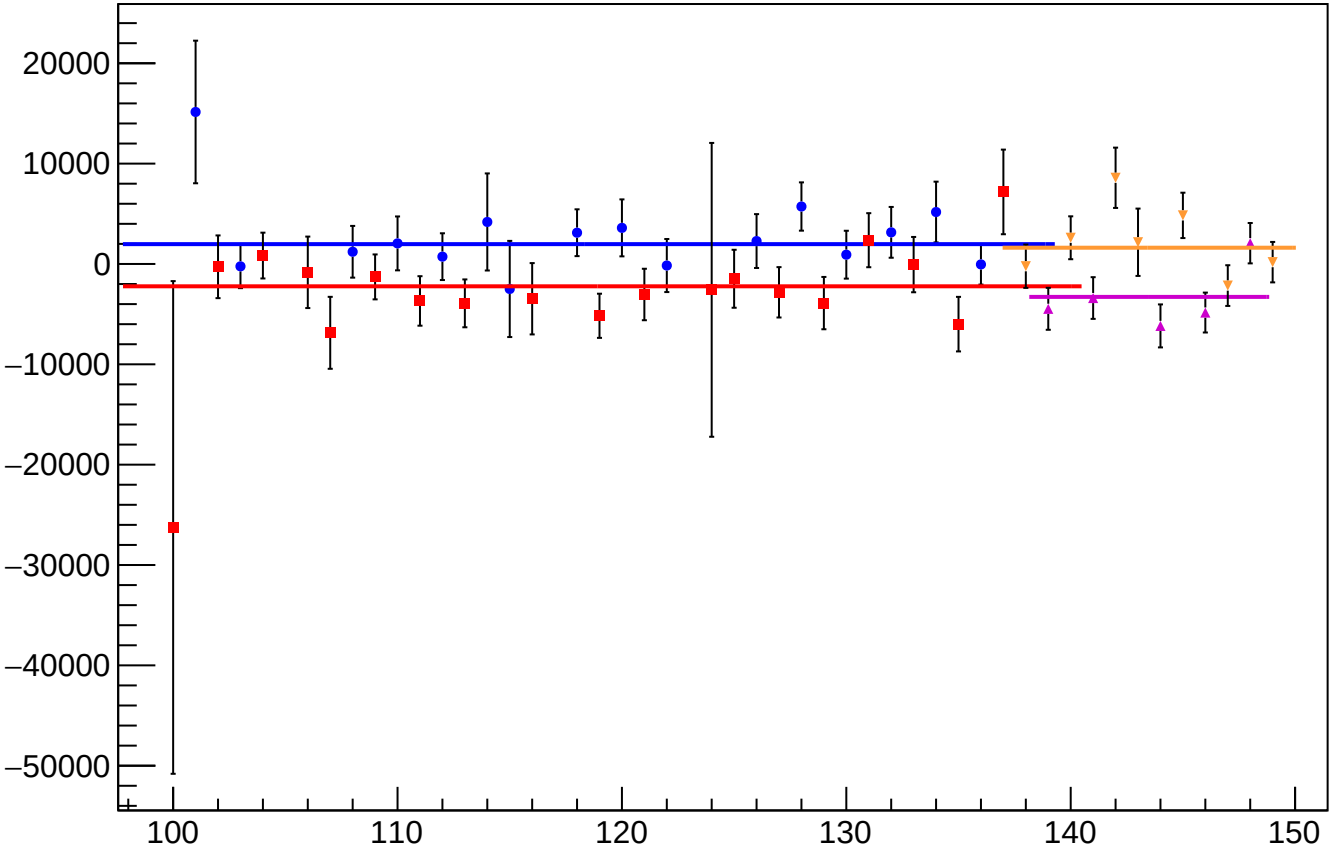
Left In: 0.000+/-0.000 χ^2/NDF:171630.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 4400591.5/22

All: 0.000+/-0.000 χ^2/NDF: 10647968.0/46

- sign 0.000+/-0.000 χ^2/NDF: 5973930.2/23

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1619.678+/-871.058 χ^2/NDF:12.4/6

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

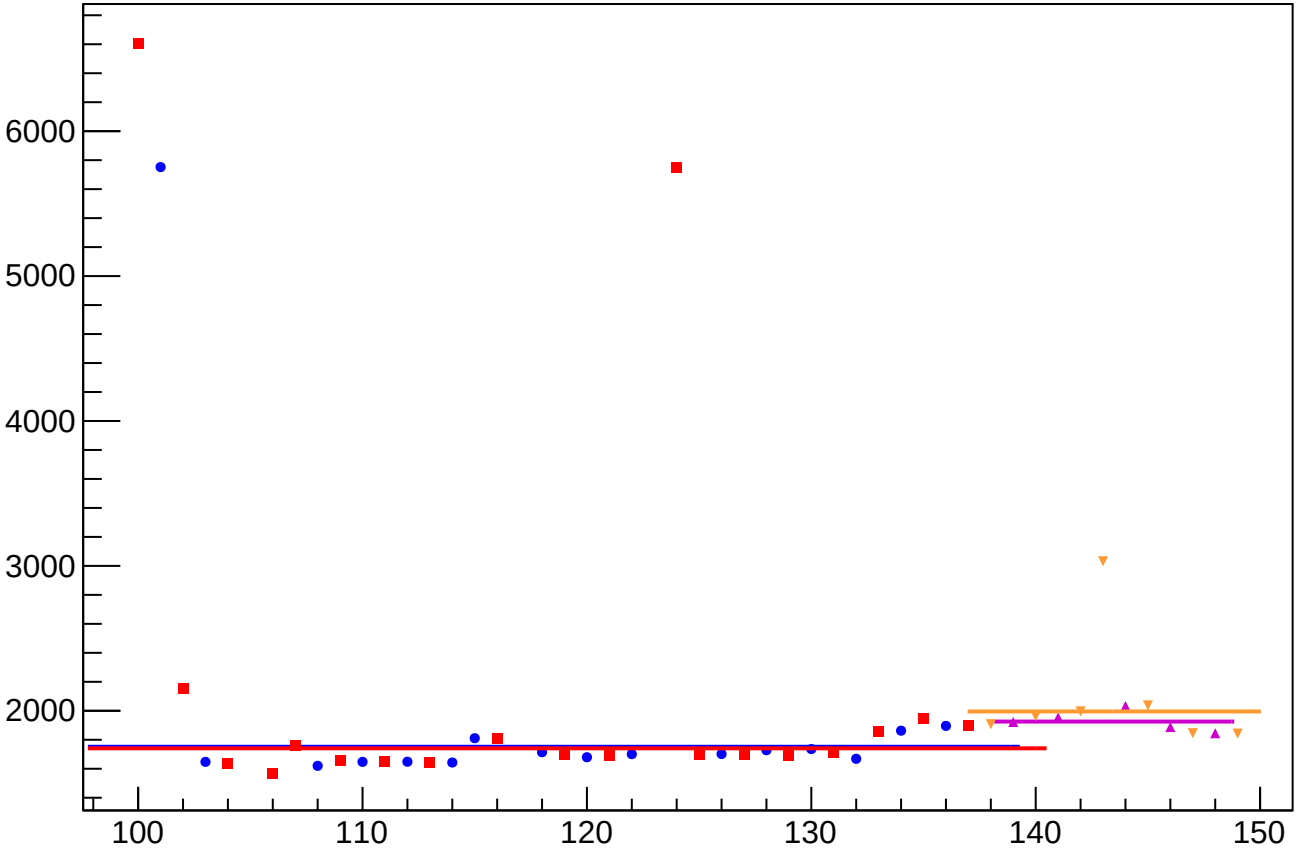
Left In: -3281.514+/-921.230 χ^2/NDF:9.8/4

+ sign 1844.307+/-529.928 χ^2/NDF: 24.6/22

All: -349.495+/-376.328 χ^2/NDF: 88.8/46

- 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: 1995.355+/-0.616 χ^2/NDF:217640.6/6

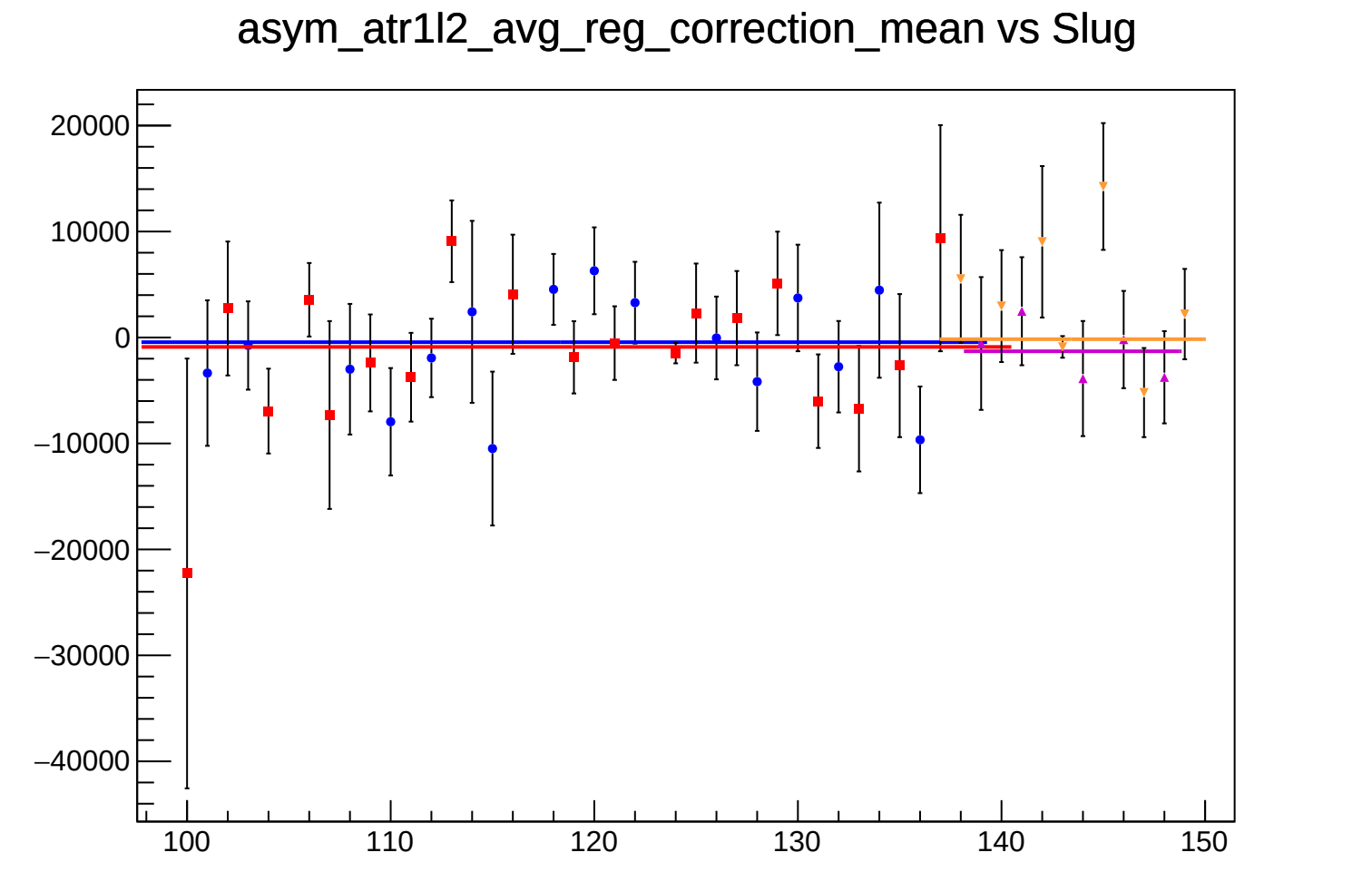
Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1925.614+/-0.651 χ^2/NDF:9309.4/4

+ sign 1841.822+/-0.375 χ^2/NDF: 986937.9/22

All: 1822.274+/-0.265 χ^2/NDF: 1359879.4/46

- sign 1802.579+/-0.376 χ^2/NDF: 367477.9/23



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -161.063+/-921.007 χ^2/NDF:10.9/6

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

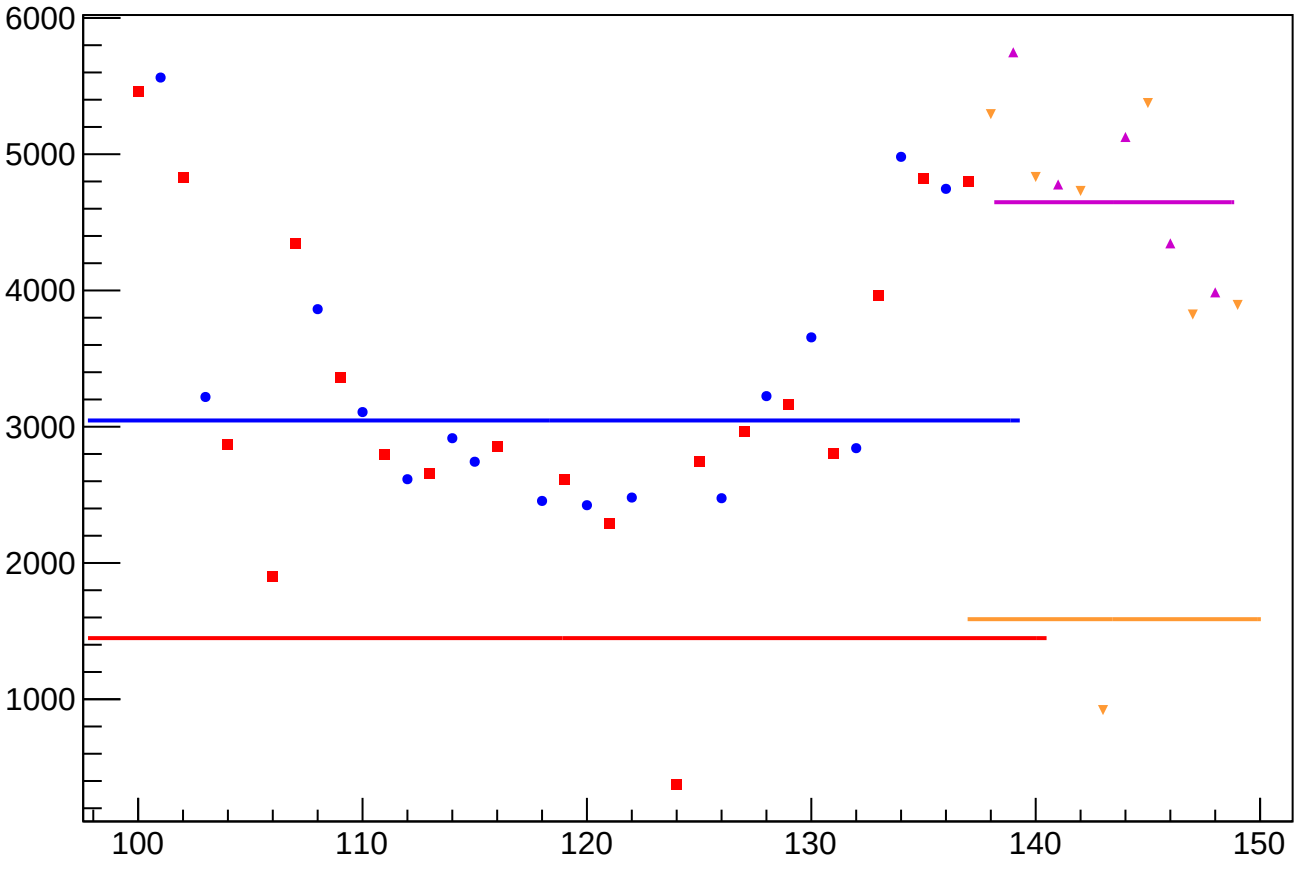
Left In: -1302.400+/-2247.006 χ^2/NDF:1.2/4

+ sign -268.908+/-724.736 χ^2/NDF: 26.9/22

All: -615.900+/-499.964 χ^2/NDF: 48.6/46

- 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: 1587.555+/-0.651 χ^2/NDF:4697002.1/6

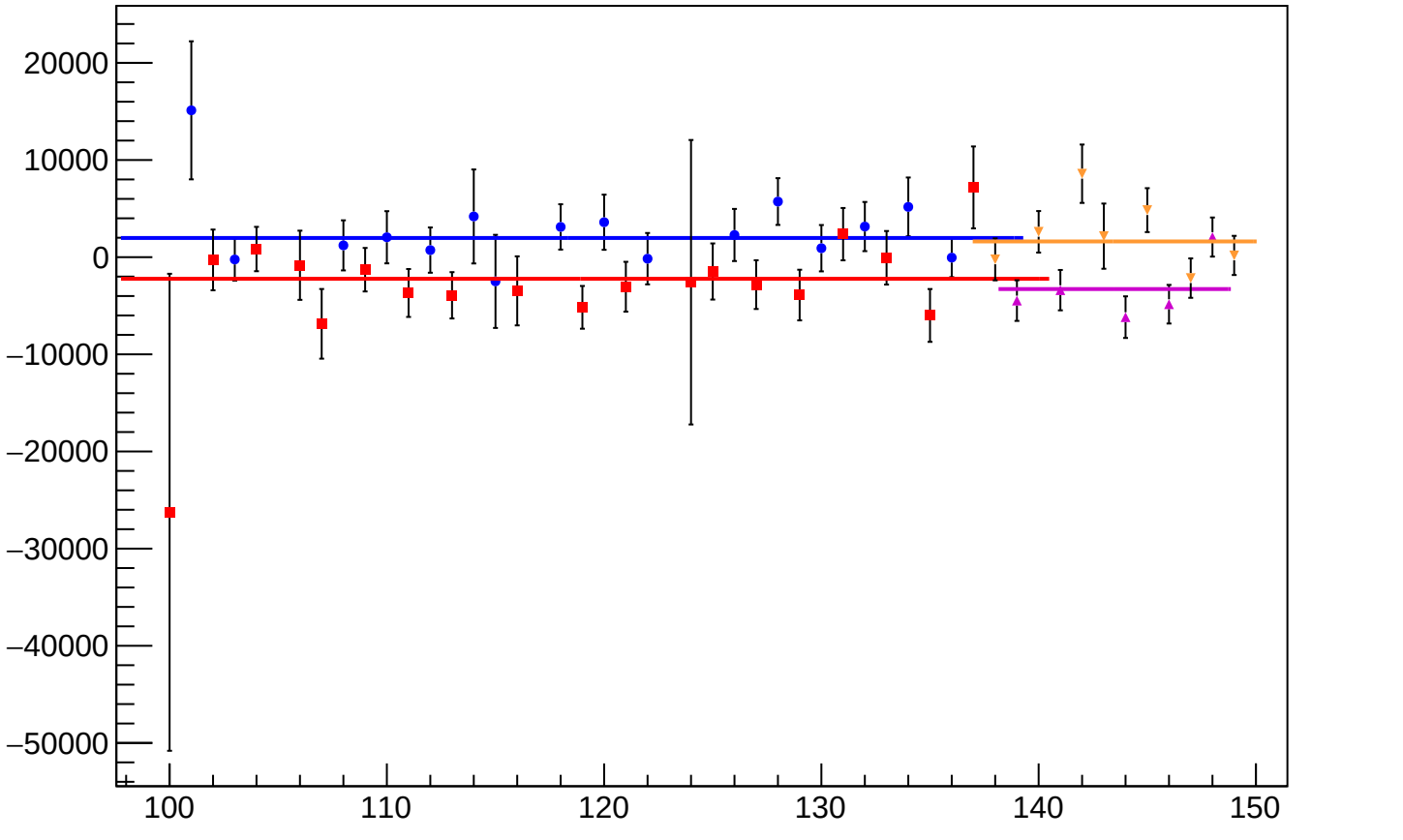
Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4647.707+/-1.589 χ^2/NDF:133352.6/4

+ sign 2142.893+/-0.512 χ^2/NDF: 7513919.6/22

All: 1937.356+/-0.354 χ^2/NDF: 18412323.2/4

- sign 1750.721+/-0.488 χ^2/NDF: 10591475.0/23



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1619.657+/-871.058 χ^2/NDF:12.4/6

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

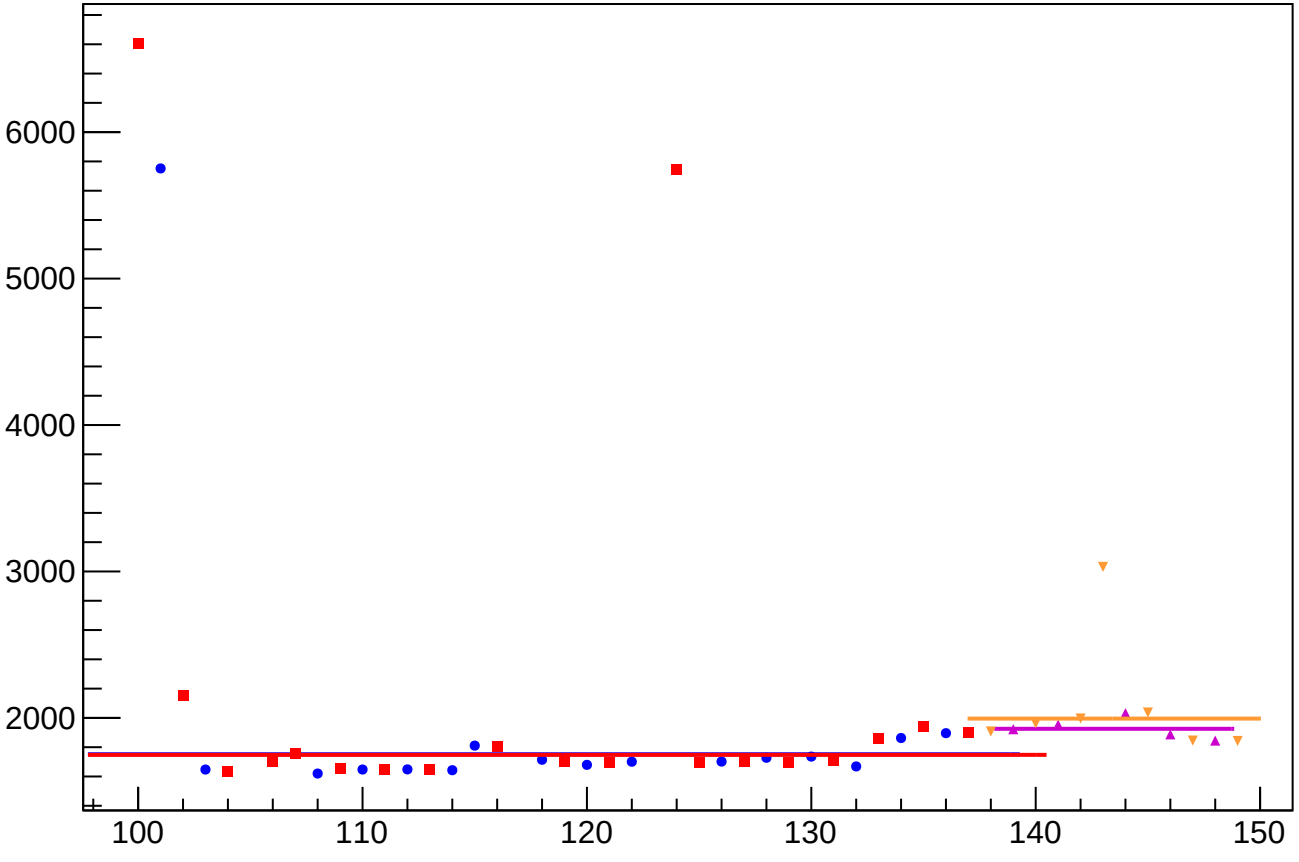
Left In: -3281.625+/-921.230 χ^2/NDF:9.8/4

+ sign 1844.077+/-529.928 χ^2/NDF: 24.6/22

All: -349.661+/-376.328 χ^2/NDF: 88.8/46

- 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: 1995.355+/-0.616 χ^2/NDF:217640.6/6

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

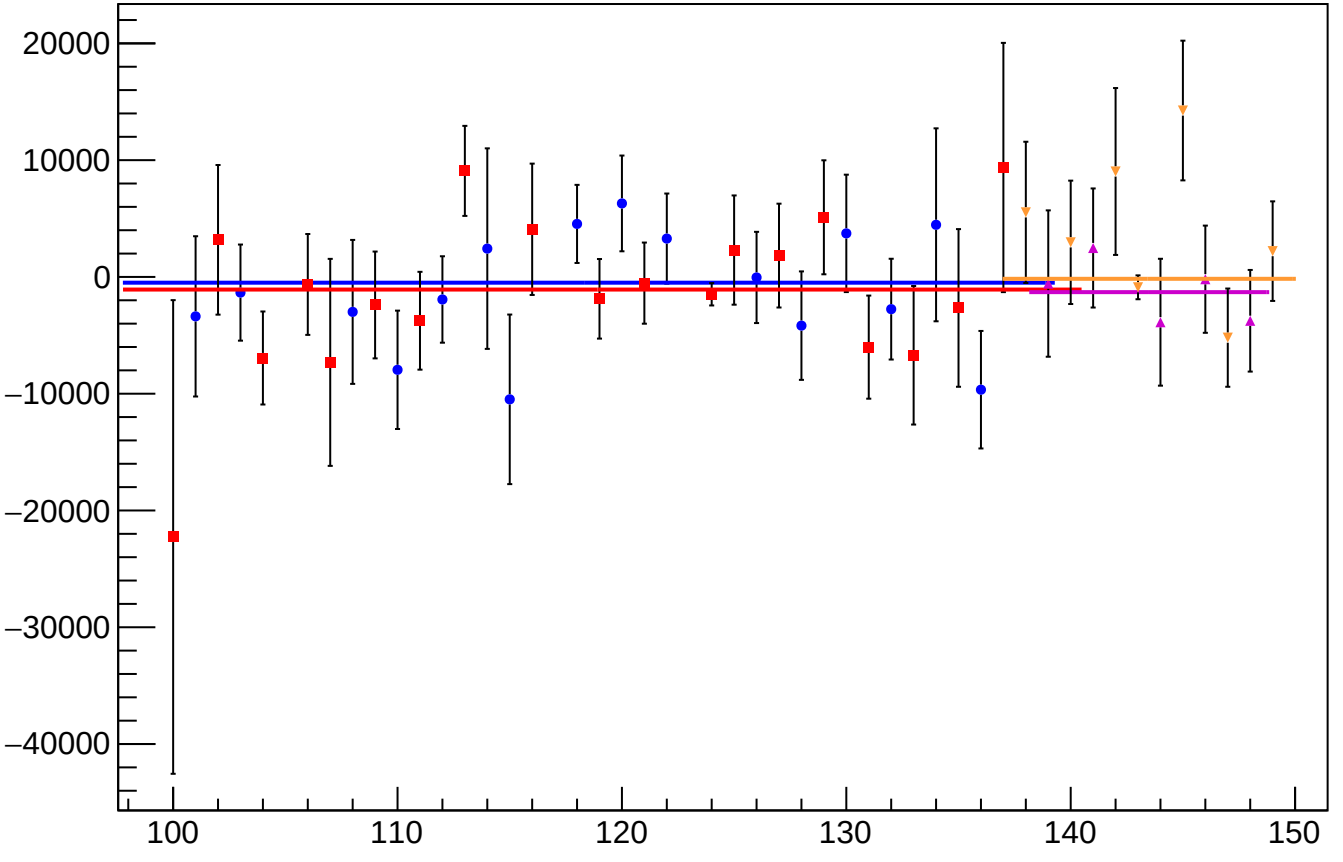
Left In: 1925.614+/-0.651 χ^2/NDF:9309.4/4

+ sign 1841.822+/-0.375 χ^2/NDF: 986938.4/22

All: 1824.694+/-0.266 χ^2/NDF: 1347928.8/46

- 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: -160.885+/-920.977 χ^2/NDF:10.9/6

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

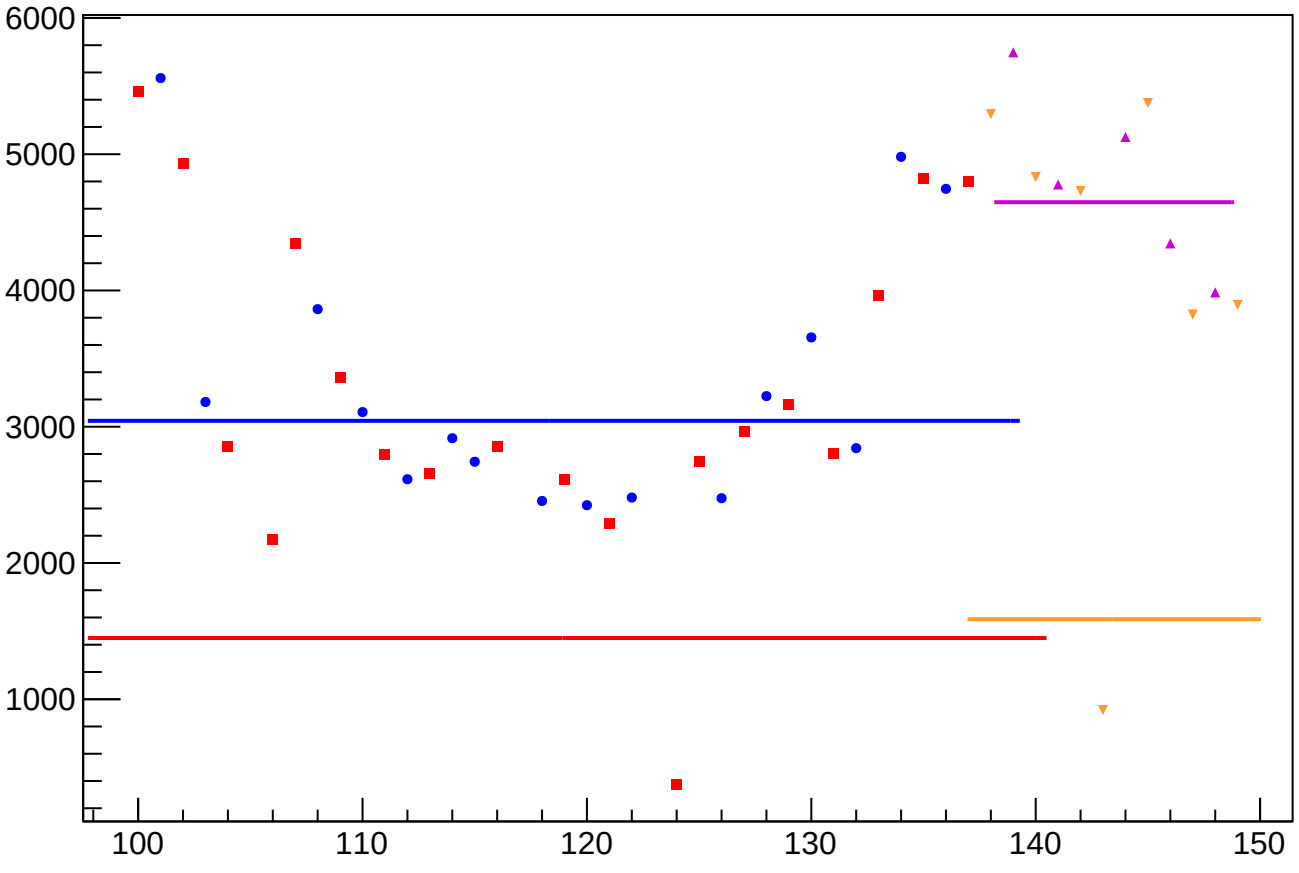
Left In: -1302.327+/-2247.004 χ^2/NDF:1.2/4

+ sign -287.477+/-724.437 χ^2/NDF: 27.0/22

All: -711.383+/-501.724 χ^2/NDF: 47.3/46

- 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: 1587.480+/-0.651 χ^2/NDF:4697160.1/6

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

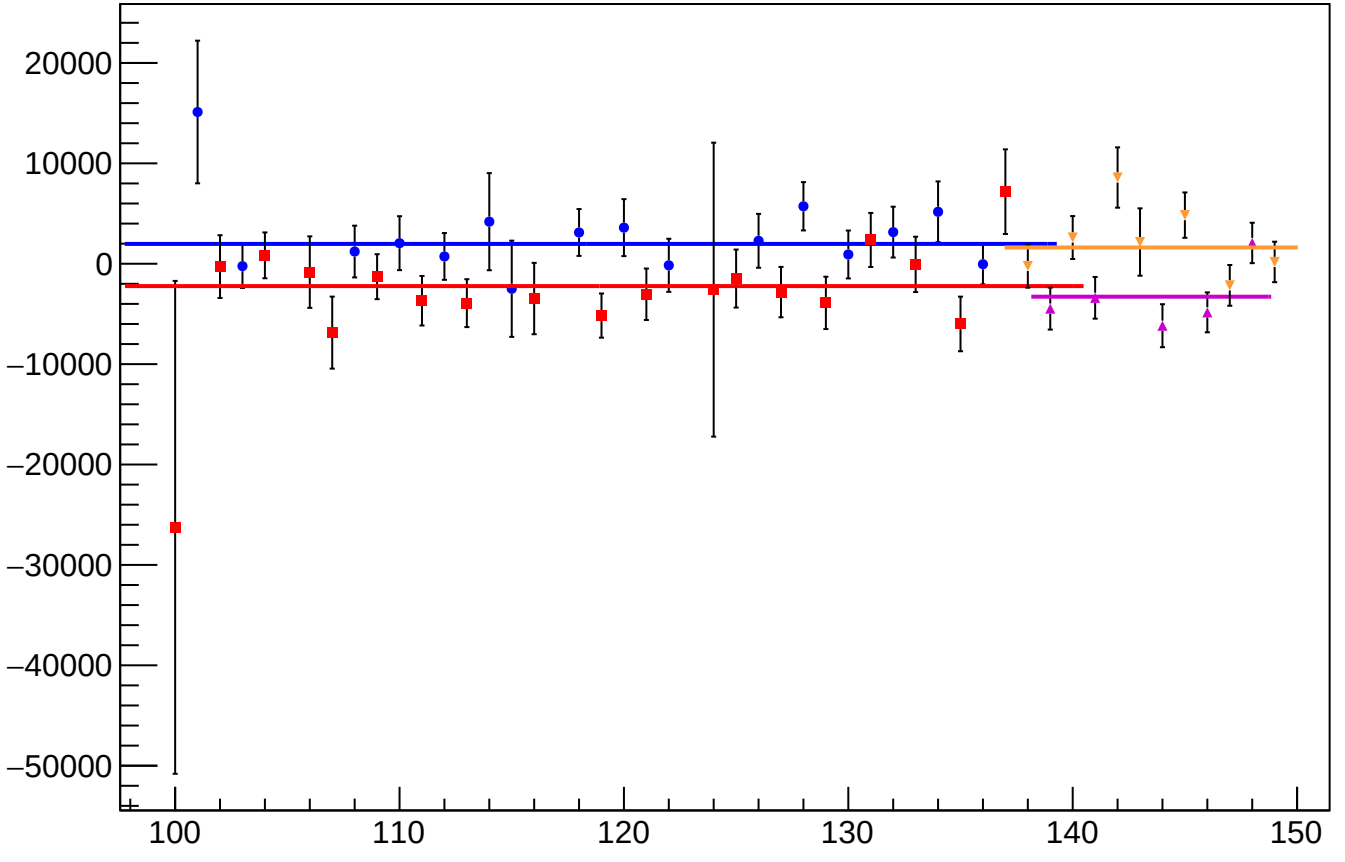
Left In: 4647.702+/-1.589 χ^2/NDF:133356.3/4

+ sign 2142.523+/-0.512 χ^2/NDF: 7508097.8/22

All: 1941.370+/-0.355 χ^2/NDF: 18426938.4/4

- 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: 1619.657+/-871.058 χ^2/NDF:12.4/6

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

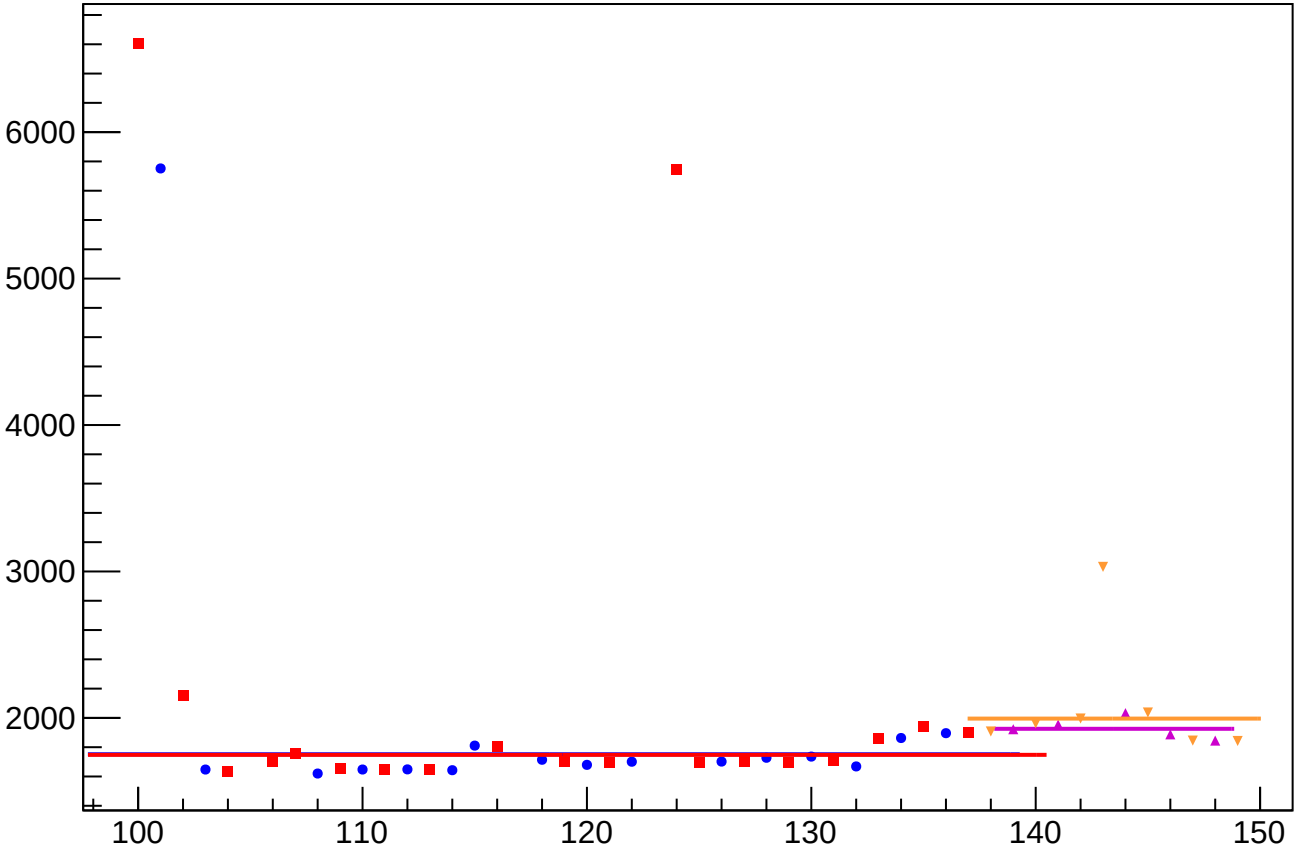
Left In: -3281.625+/-921.230 χ^2/NDF:9.8/4

+ sign 1844.077+/-529.928 χ^2/NDF: 24.6/22

All: -349.661+/-376.328 χ^2/NDF: 88.8/46

- 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: 1995.355+/-0.616 χ^2/NDF:217640.6/6

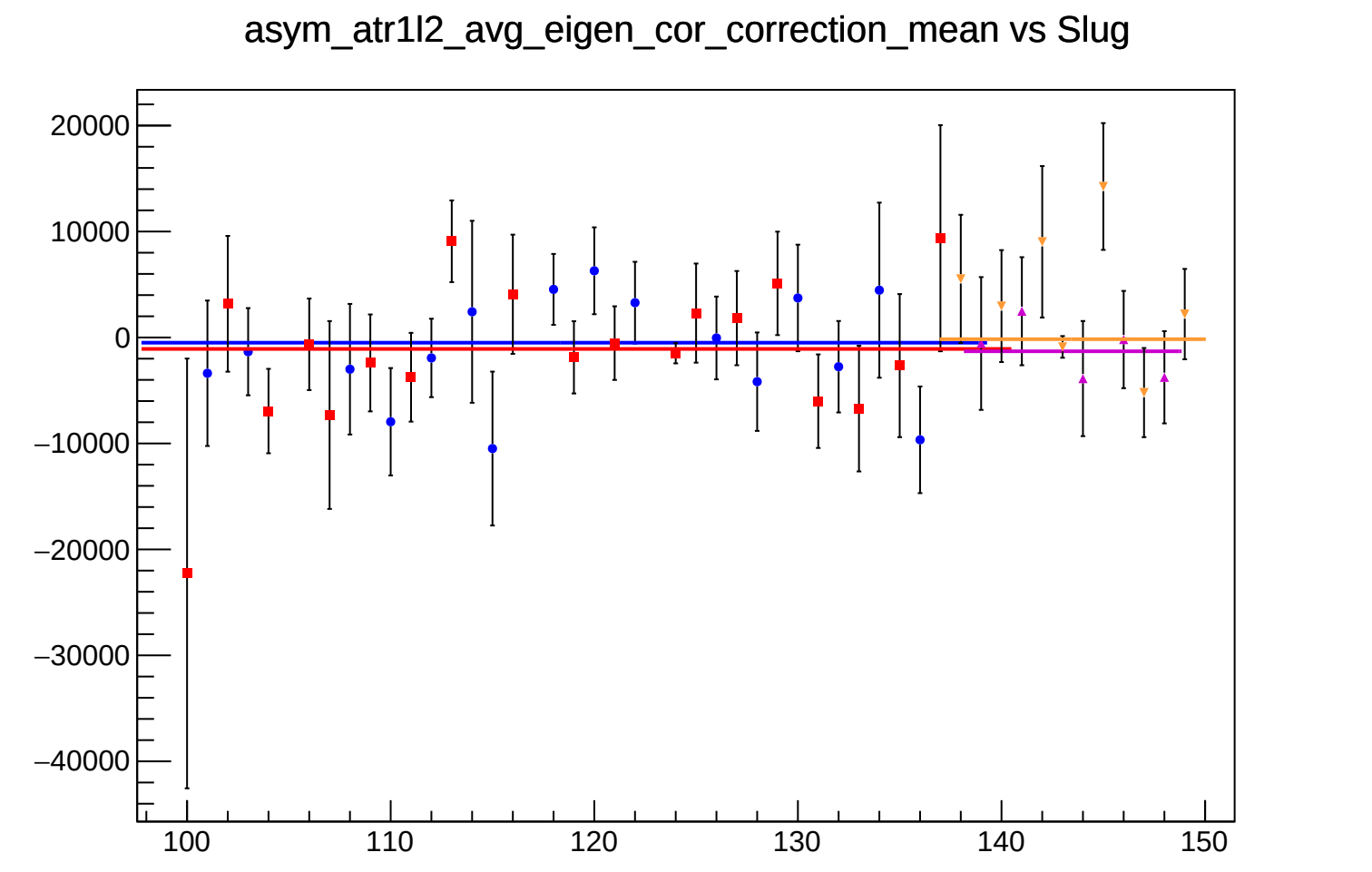
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1925.614+/-0.651 χ^2/NDF:9309.4/4

+ sign 1841.822+/-0.375 χ^2/NDF: 986938.4/22

All: 1824.694+/-0.266 χ^2/NDF: 1347928.8/46

- 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: -160.885+/-920.977 χ^2/NDF:10.9/6

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

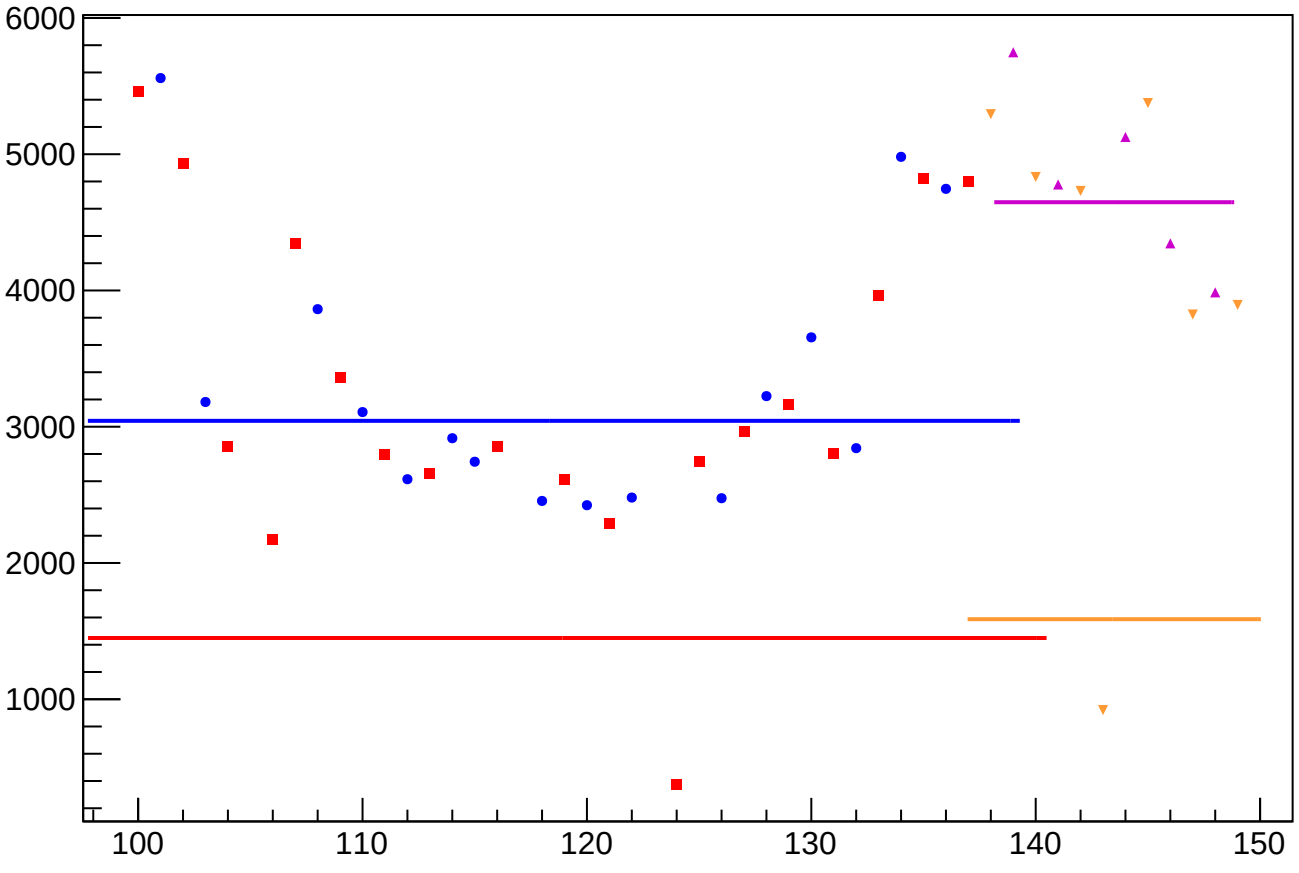
Left In: -1302.327+/-2247.004 χ^2/NDF:1.2/4

+ sign -287.477+/-724.437 χ^2/NDF: 27.0/22

All: -711.383+/-501.724 χ^2/NDF: 47.3/46

- 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: 1587.480+/-0.651 χ^2/NDF:4697160.1/6

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

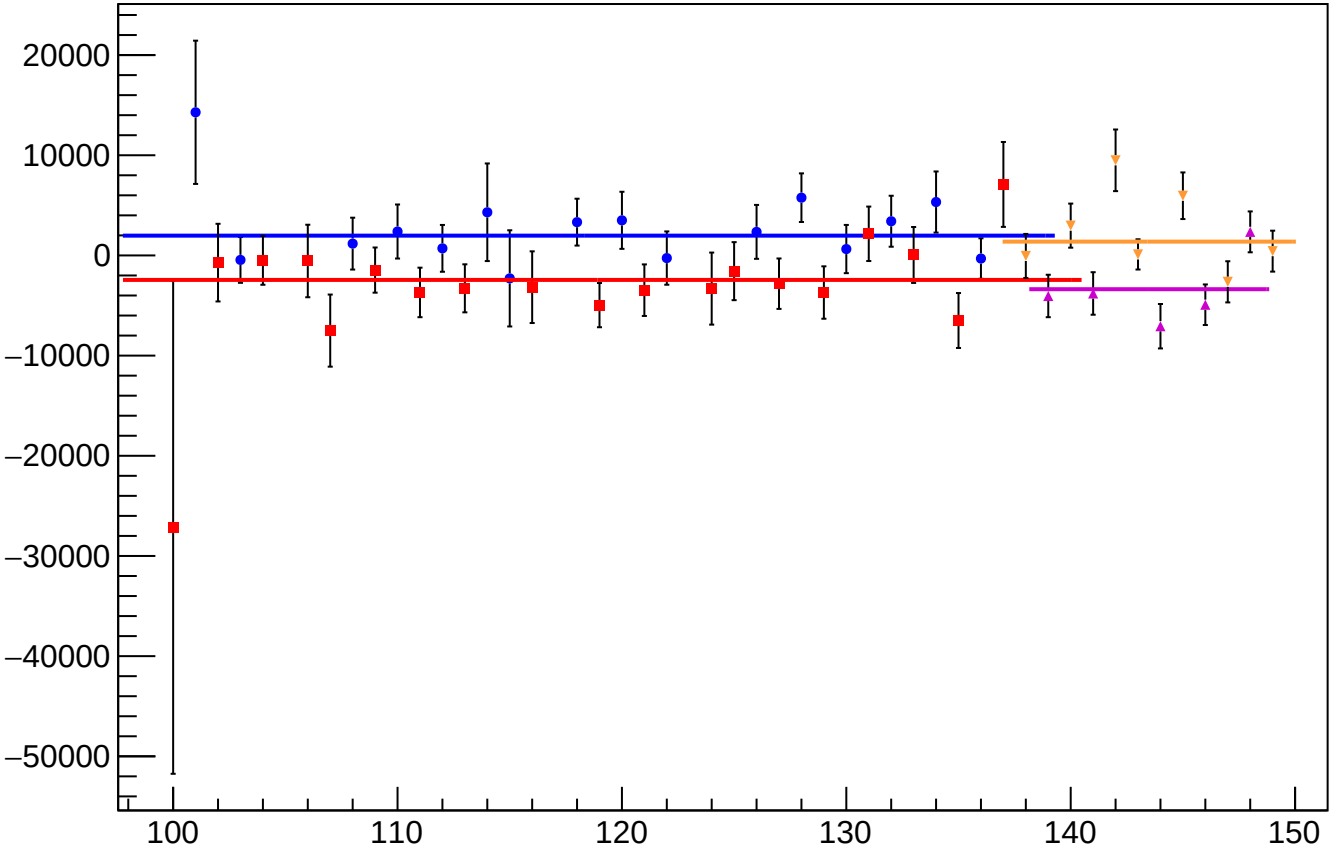
Left In: 4647.702+/-1.589 χ^2/NDF:133356.3/4

+ sign 2142.523+/-0.512 χ^2/NDF: 7508097.8/22

All: 1941.370+/-0.355 χ^2/NDF: 18426938.4/4

- 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: 1377.688+/-785.894 χ^2/NDF:16.5/6

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

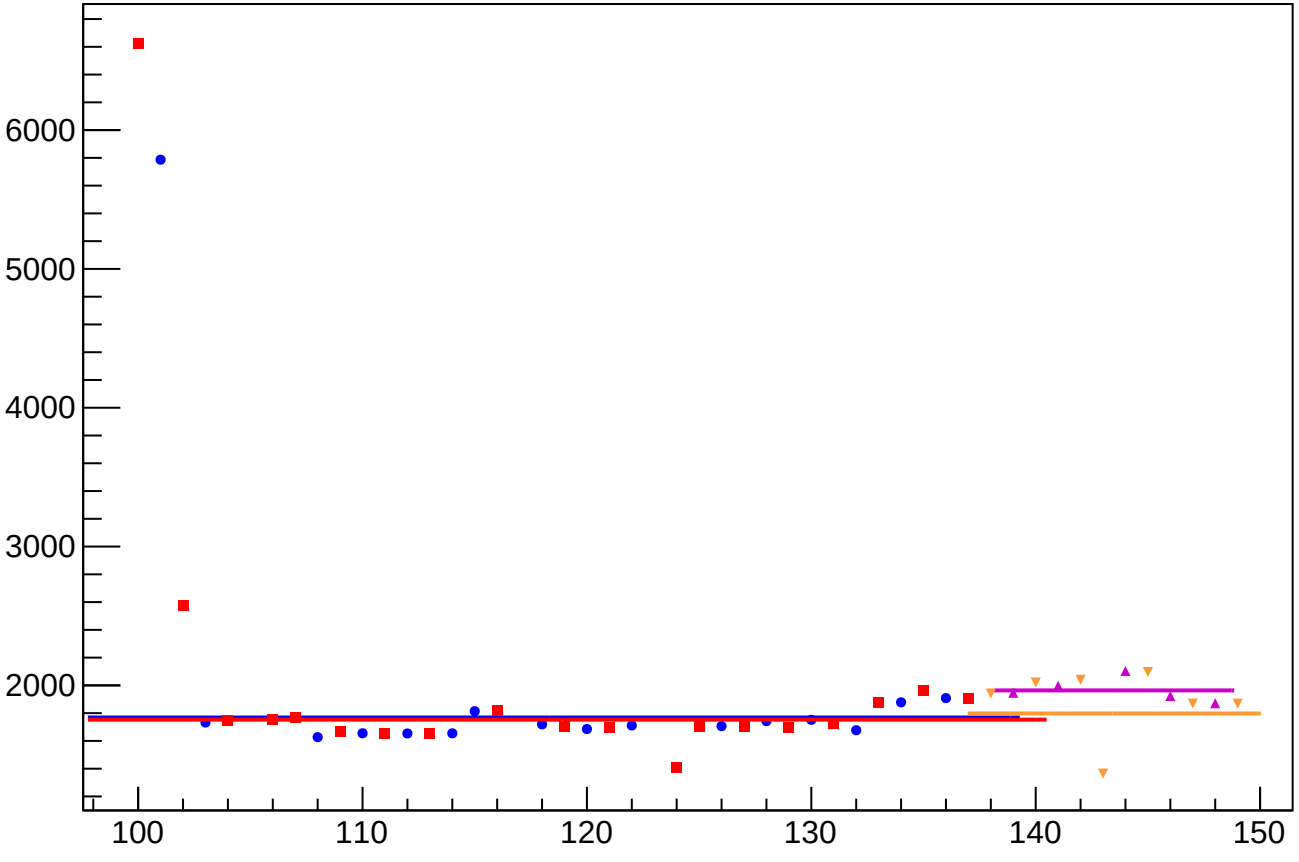
Left In: -3371.039+/-939.809 χ^2/NDF:11.4/4

+ sign 1722.284+/-511.656 χ^2/NDF: 29.3/22

All: -397.657+/-371.035 χ^2/NDF: 95.0/46

- 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: 1797.666+/-0.556 χ^2/NDF:243906.8/6

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

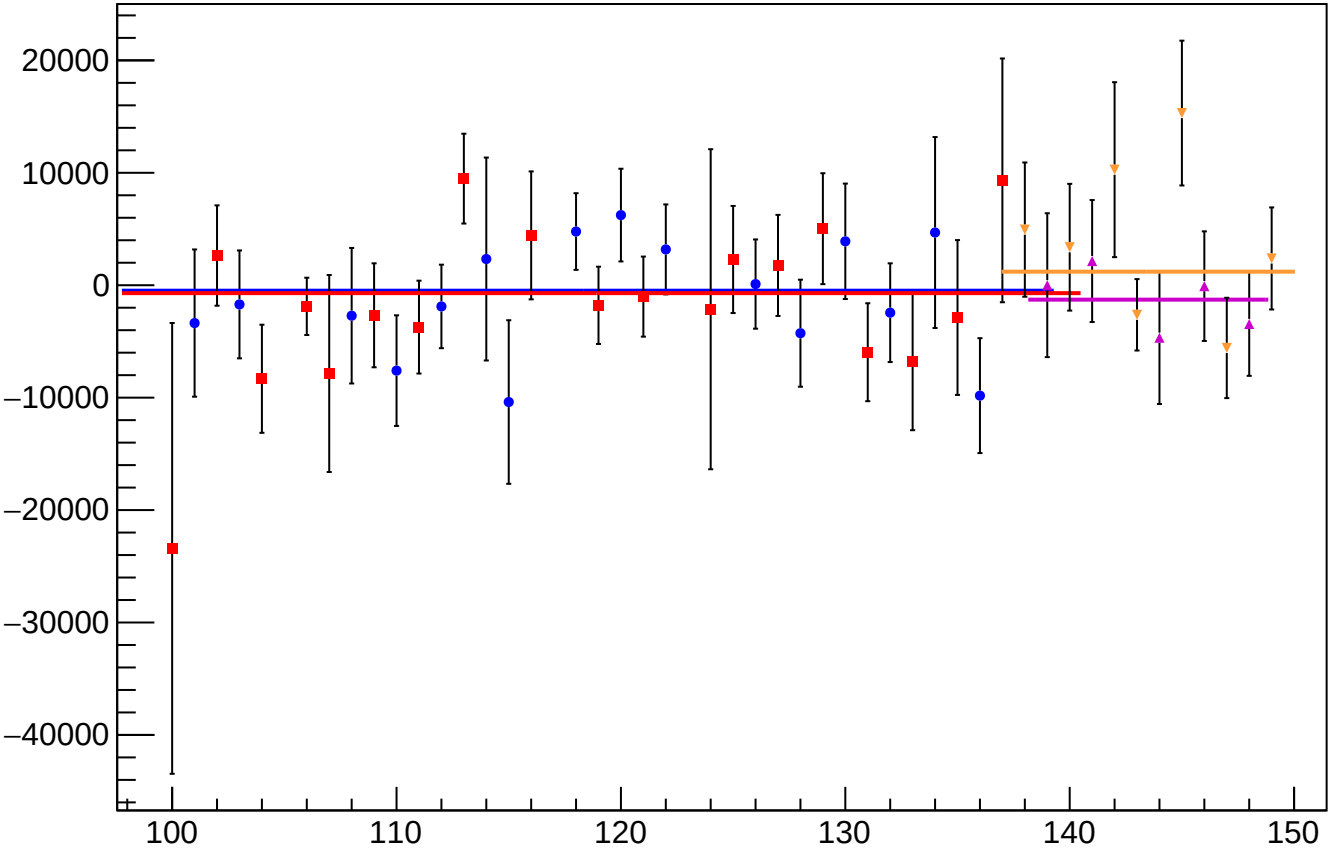
Left In: 1963.847+/-0.665 χ^2/NDF:13478.3/4

+ sign 1780.851+/-0.362 χ^2/NDF: 912863.4/22

All: 1800.551+/-0.262 χ^2/NDF: 1218894.5/46

- 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: 1203.766+/-1831.681 χ^2/NDF:10.5/6

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

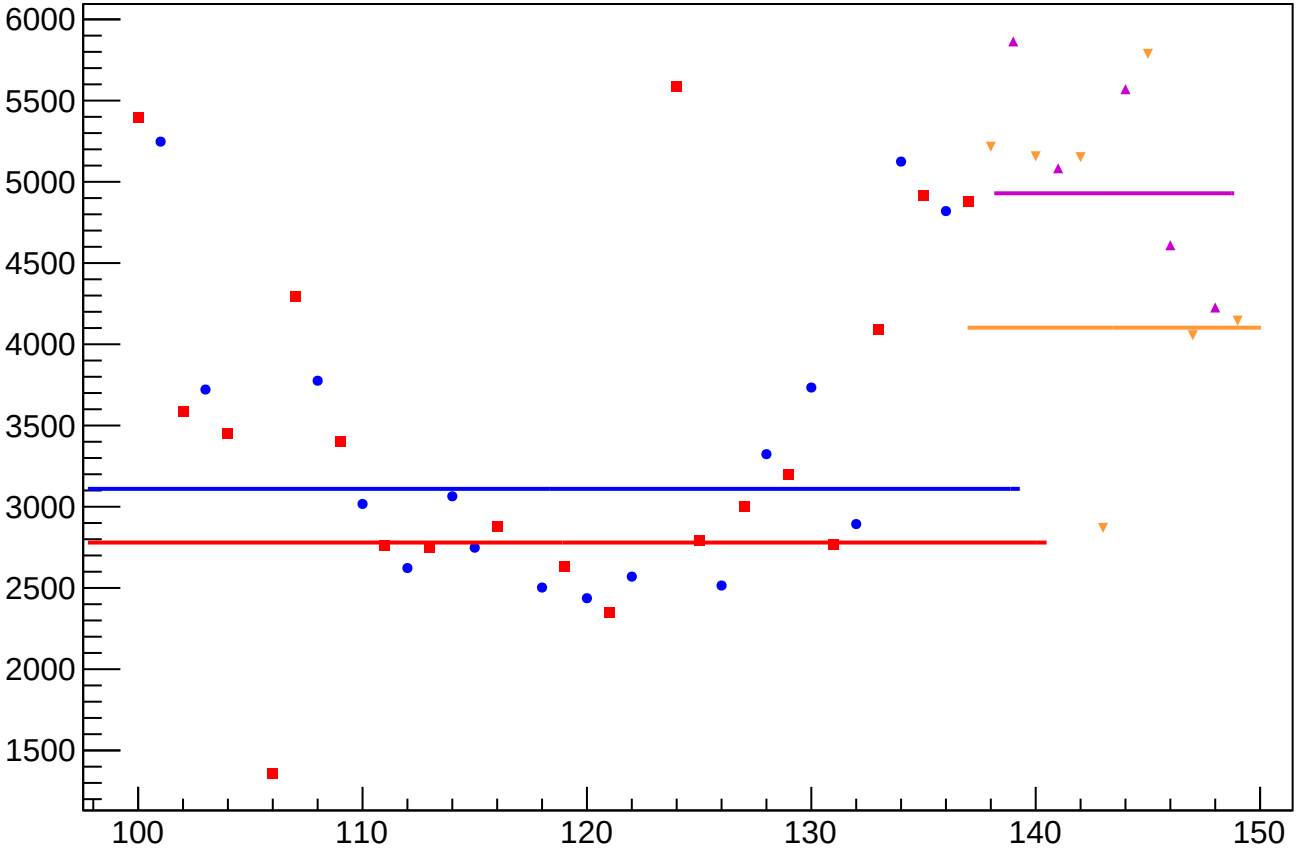
Left In: -1283.541+/-2382.412 χ^2/NDF:1.1/4

+ sign 19.095+/-1002.895 χ^2/NDF: 26.9/22

All: -402.047+/-699.330 χ^2/NDF: 47.2/46

- 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: 4102.252+/-1.295 χ^2/NDF:614481.9/6

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

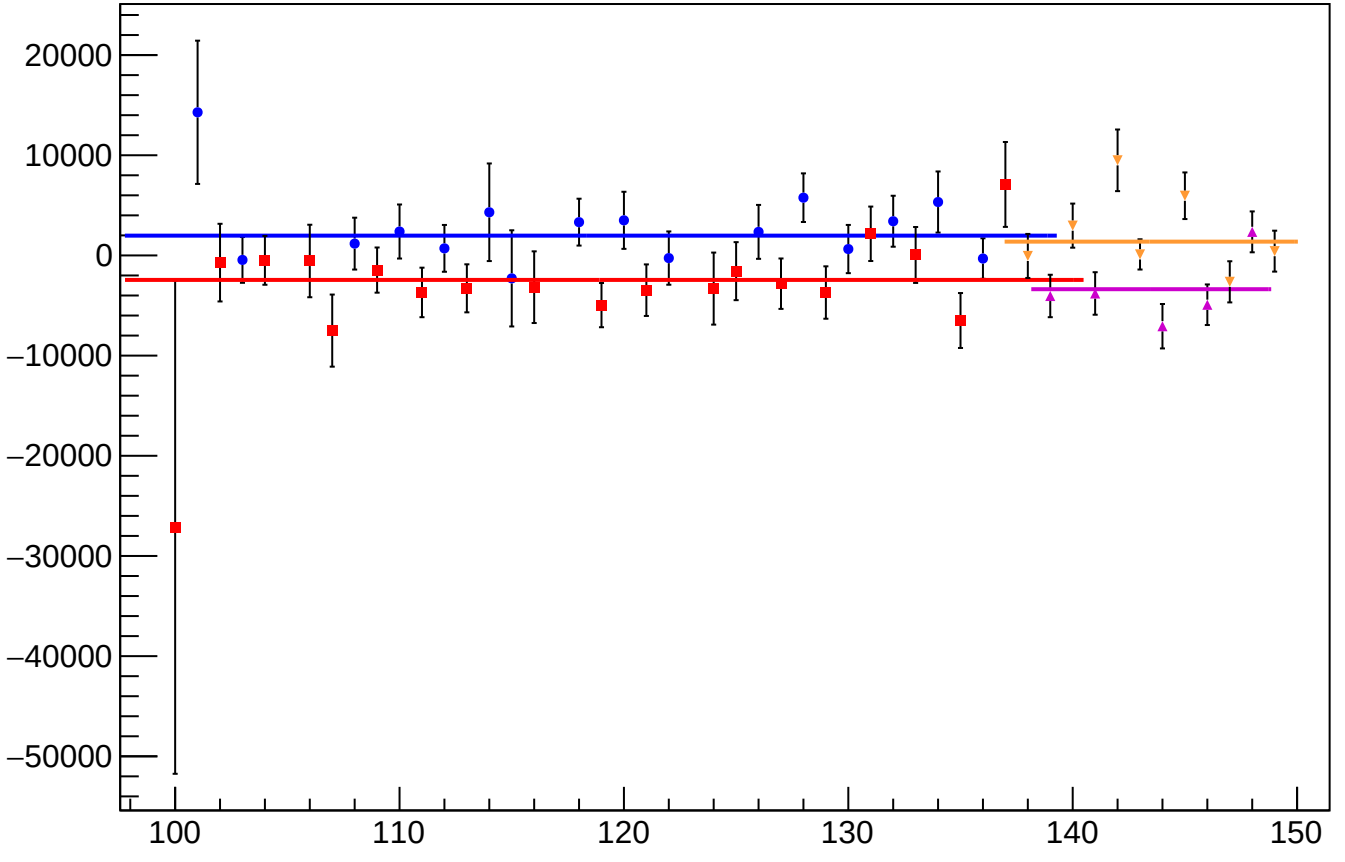
Left In: 4929.391+/-1.685 χ^2/NDF:122895.6/4

+ sign 3407.556+/-0.709 χ^2/NDF: 1908599.8/22

All: 3270.189+/-0.495 χ^2/NDF: 4808011.6/46

- 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: 1377.693+/-785.894 χ^2/NDF:16.5/6

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

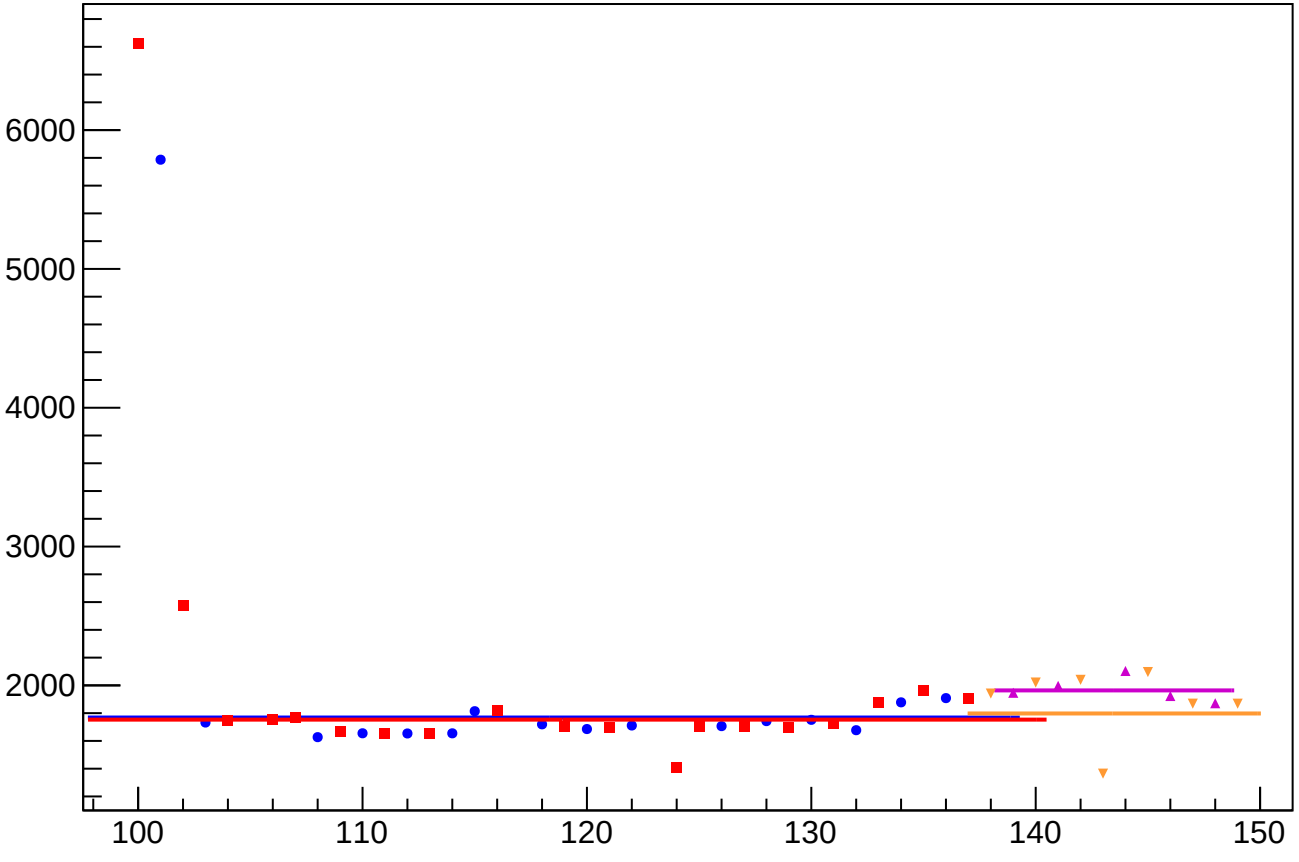
Left In: -3371.038+/-939.810 χ^2/NDF:11.4/4

+ sign 1722.287+/-511.656 χ^2/NDF: 29.3/22

All: -397.656+/-371.035 χ^2/NDF: 95.0/46

- 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: 1797.667+/-0.556 χ^2/NDF:243907.7/6

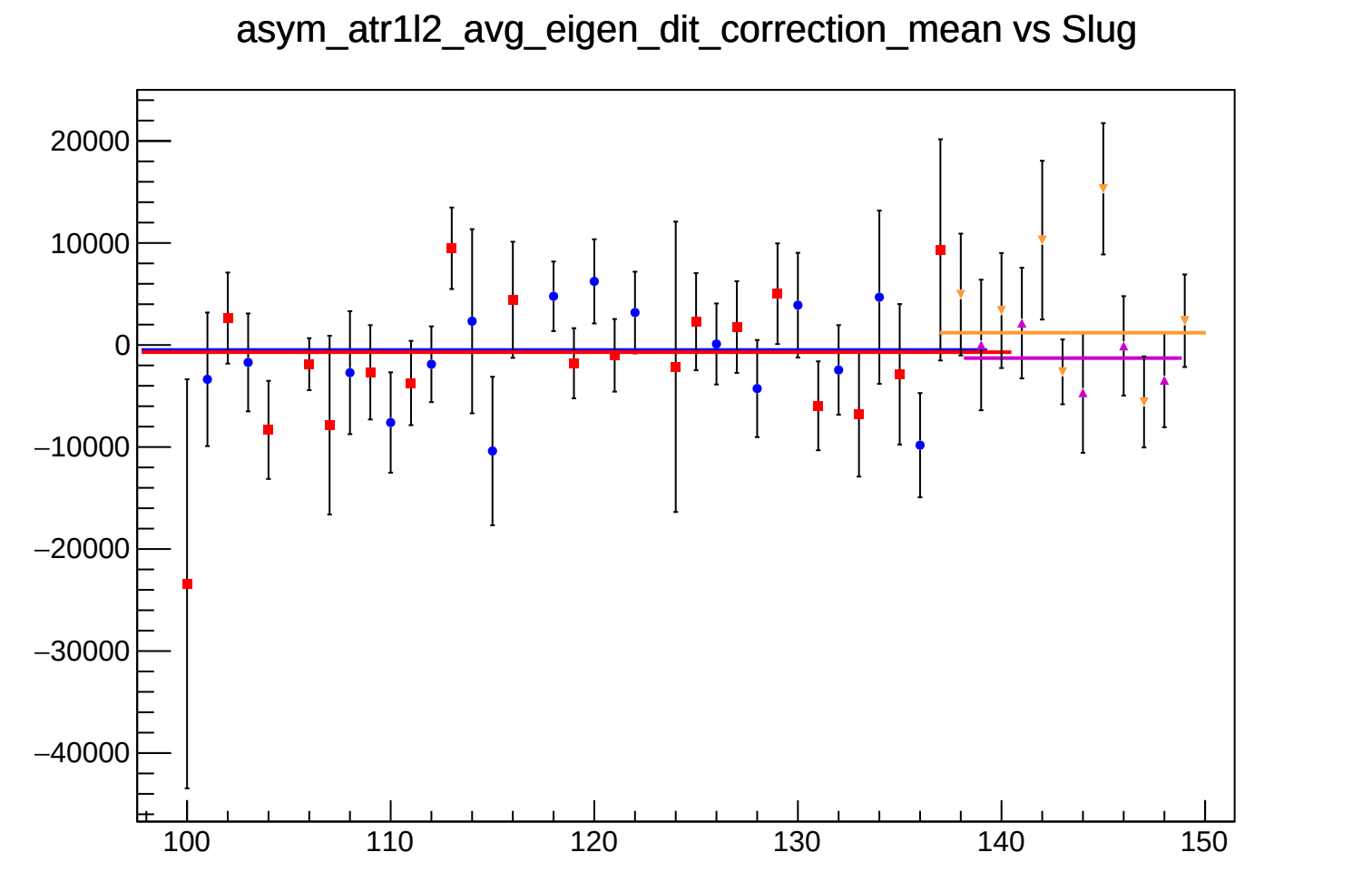
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1963.848+/-0.665 χ^2/NDF:13478.5/4

+ sign 1780.851+/-0.362 χ^2/NDF: 912864.4/22

All: 1800.552+/-0.262 χ^2/NDF: 1218896.5/46

- sign 1822.323+/-0.380 χ^2/NDF: 299790.4/23



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: 1203.761+/-1831.682 χ^2/NDF:10.5/6

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

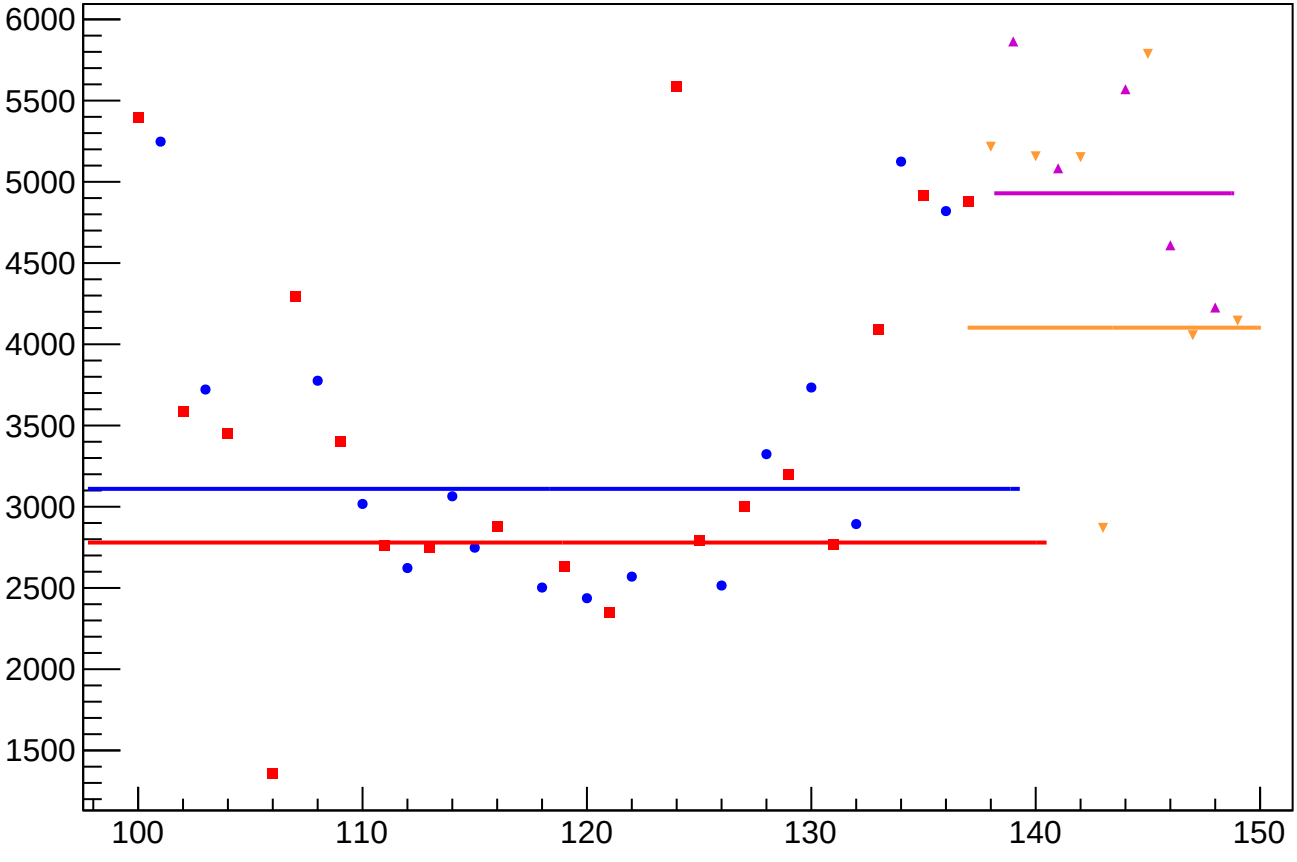
Left In: -1283.542+/-2382.416 χ^2/NDF:1.1/4

+ sign 19.095+/-1002.893 χ^2/NDF: 26.9/22

All: -402.048+/-699.328 χ^2/NDF: 47.2/46

- 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: 4102.255+/-1.295 χ^2/NDF:614486.9/6

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

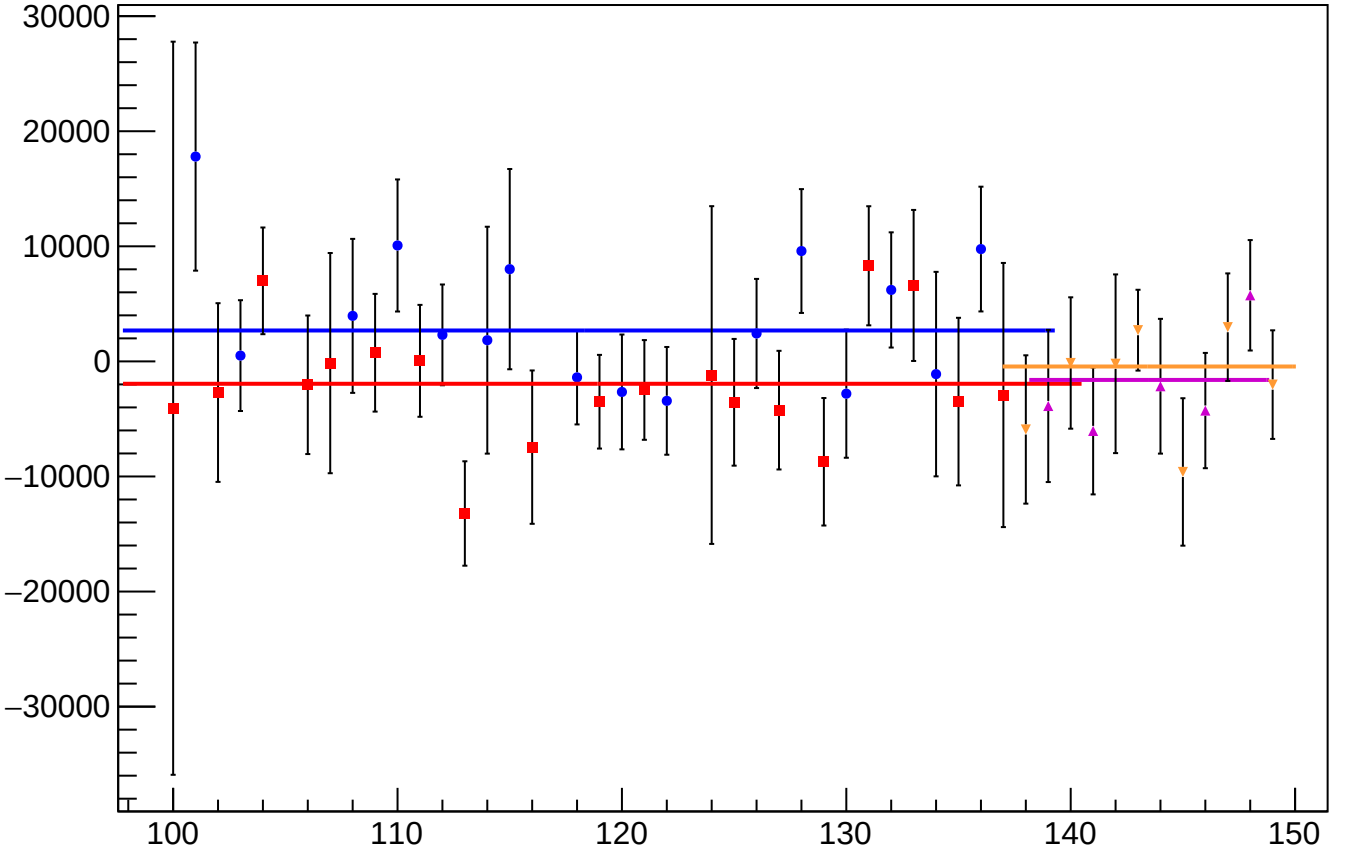
Left In: 4929.397+/-1.685 χ^2/NDF:122897.8/4

+ sign 3407.547+/-0.709 χ^2/NDF: 1908626.4/22

All: 3270.178+/-0.494 χ^2/NDF: 4808084.8/46

- 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: -444.470+/-1933.390 χ^2/NDF:4.2/6

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

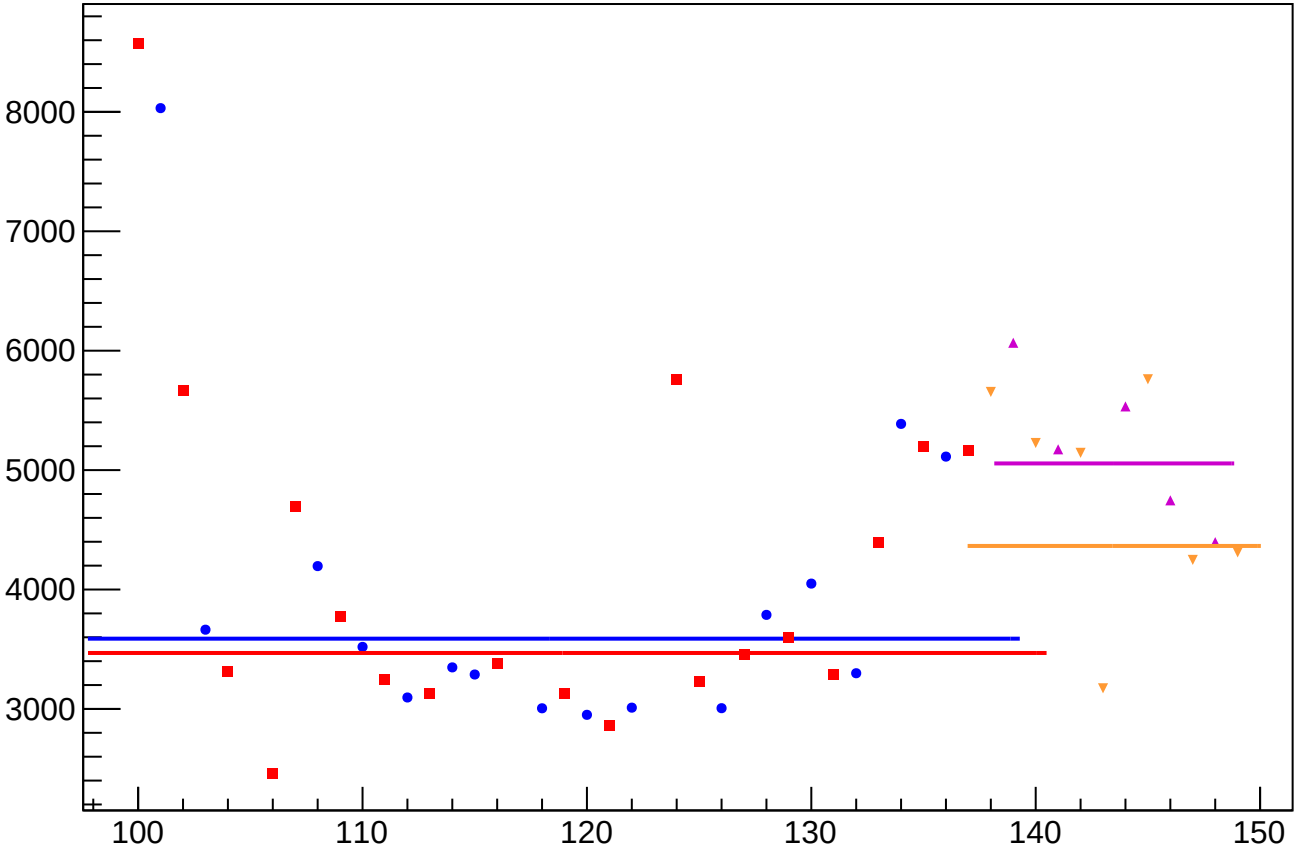
Left In: -1611.384+/-2438.405 χ^2/NDF:3.4/4

+ sign 1629.122+/-1123.175 χ^2/NDF: 19.4/22

All: -48.983+/-810.129 χ^2/NDF: 46.2/46

- 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: 4364.907+/-1.367 χ^2/NDF:472833.7/6

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

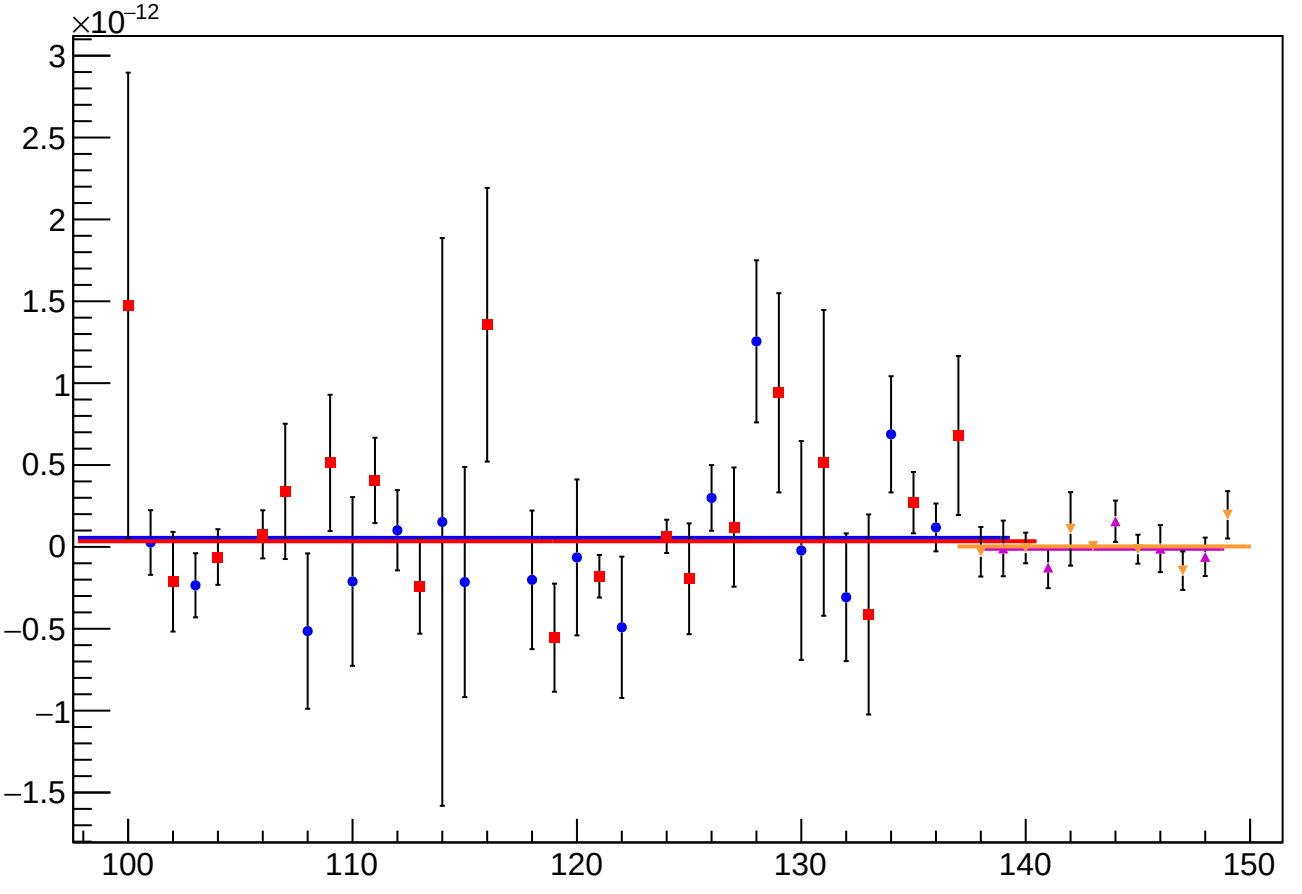
Left In: 5055.904+/-1.724 χ^2/NDF:106291.6/4

+ sign 3850.480+/-0.794 χ^2/NDF: 1531771.4/22

All: 3838.249+/-0.570 χ^2/NDF: 2962133.3/46

- 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:3.7/6

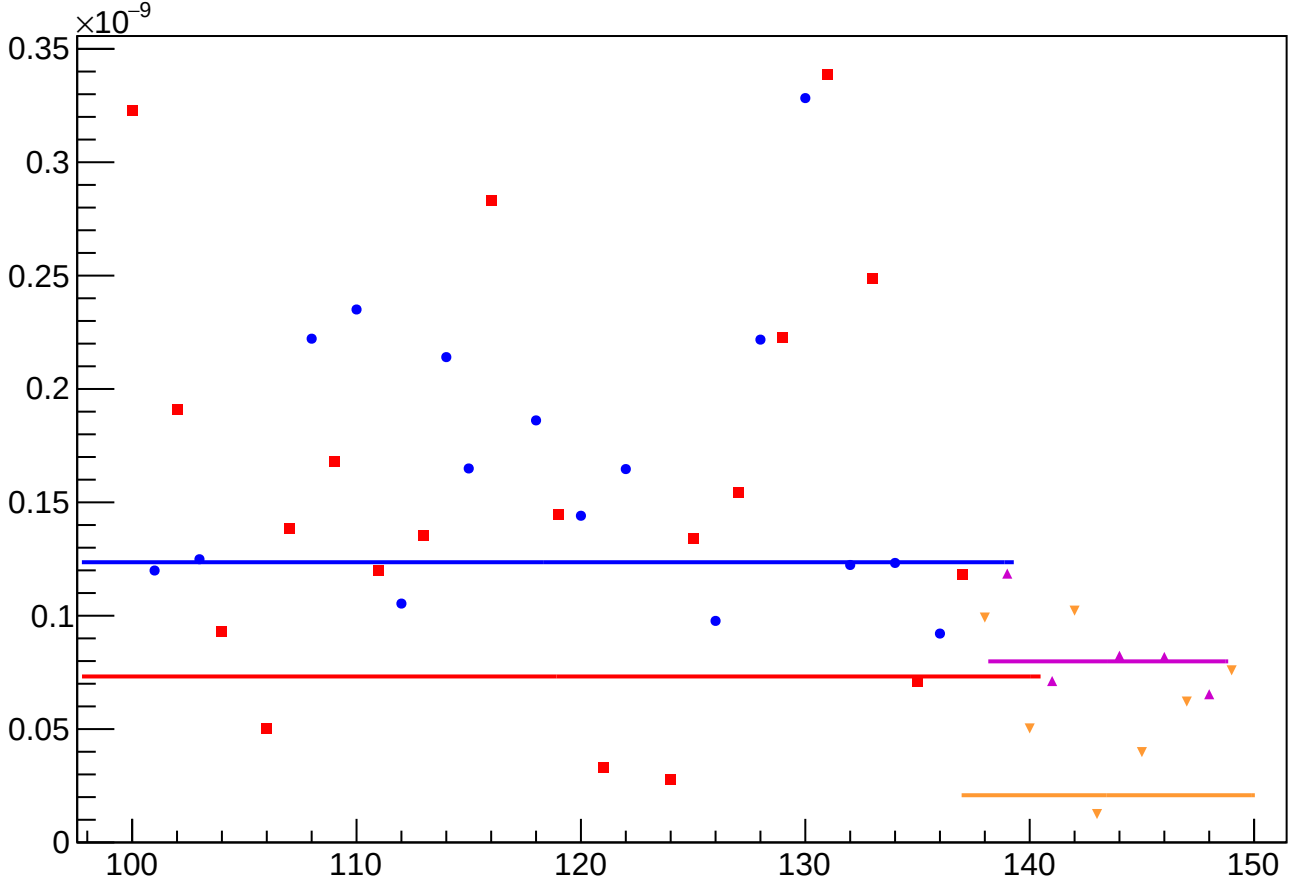
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.9/22

All: 0.000+/-0.000 χ^2/NDF: 47.3/46

- 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:1901049.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

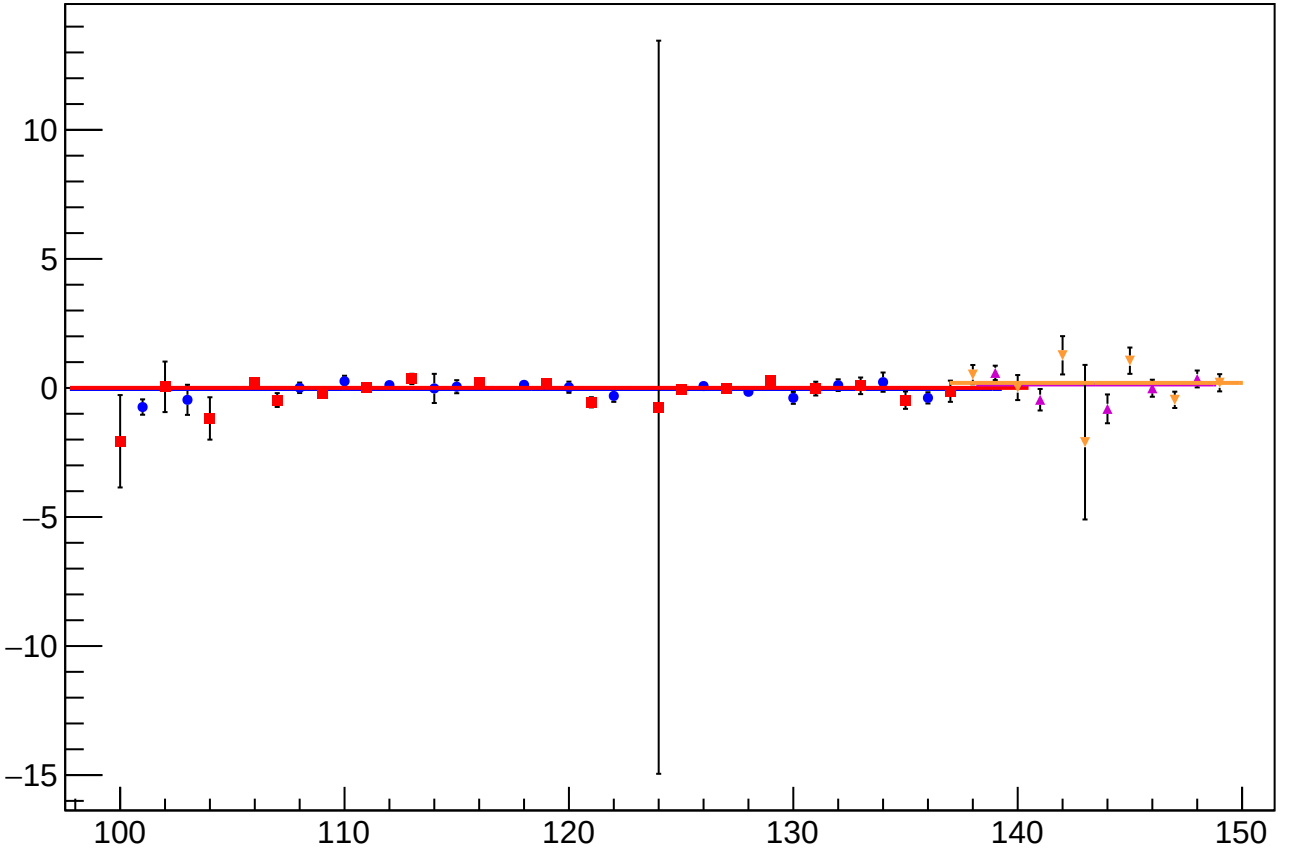
Left In: 0.000+/-0.000 χ^2/NDF:144885.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 6226495.7/22

All: 0.000+/-0.000 χ^2/NDF: 10917533.9/46

- 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: 0.196+/-0.166 χ^2/NDF:10.7/6

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

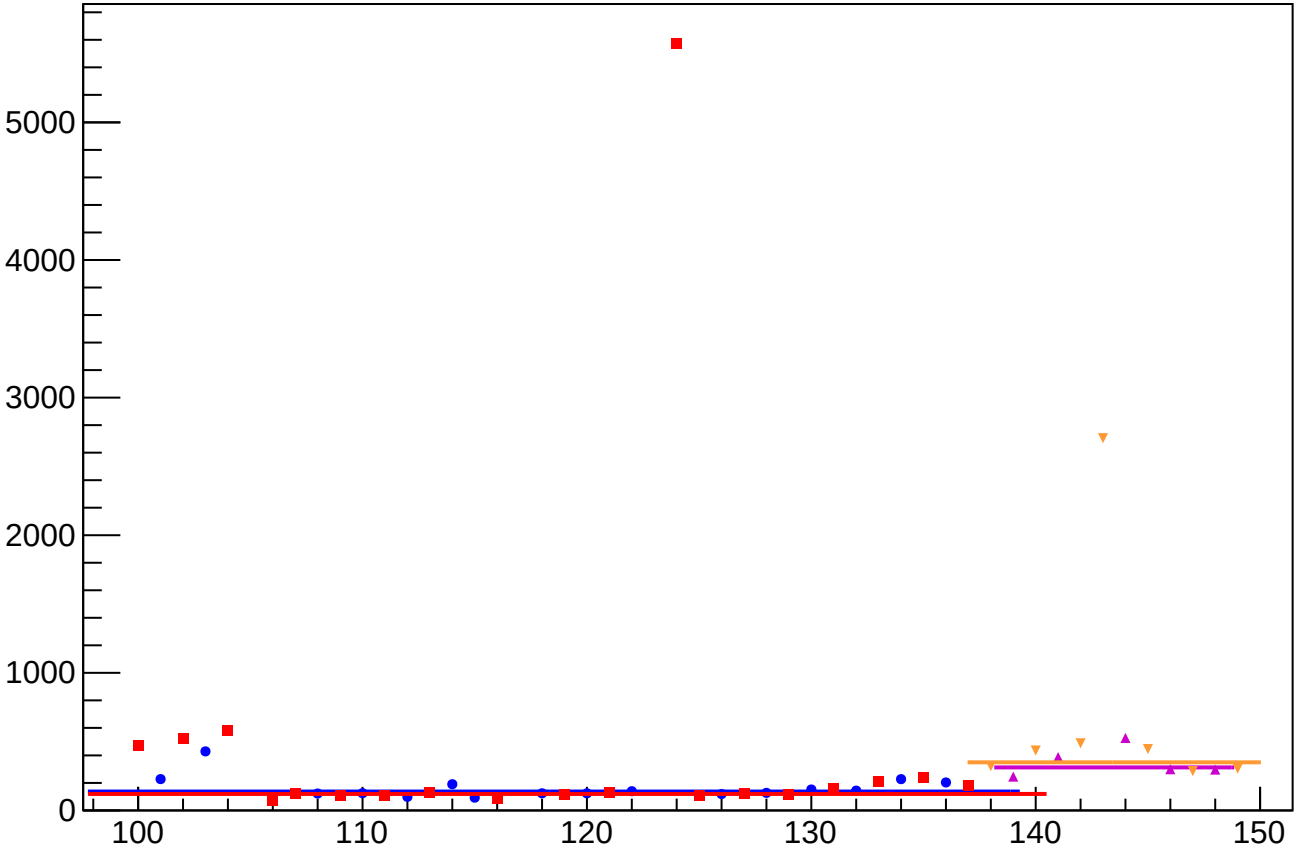
Left In: 0.135+/-0.157 χ^2/NDF:8.1/4

\+ sign -0.016+/-0.053 χ^2/NDF: 30.4/22

All: 0.001+/-0.036 χ^2/NDF: 68.1/46

\- 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: 349.706+/-0.118 χ^2/NDF:1571902.9/6

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

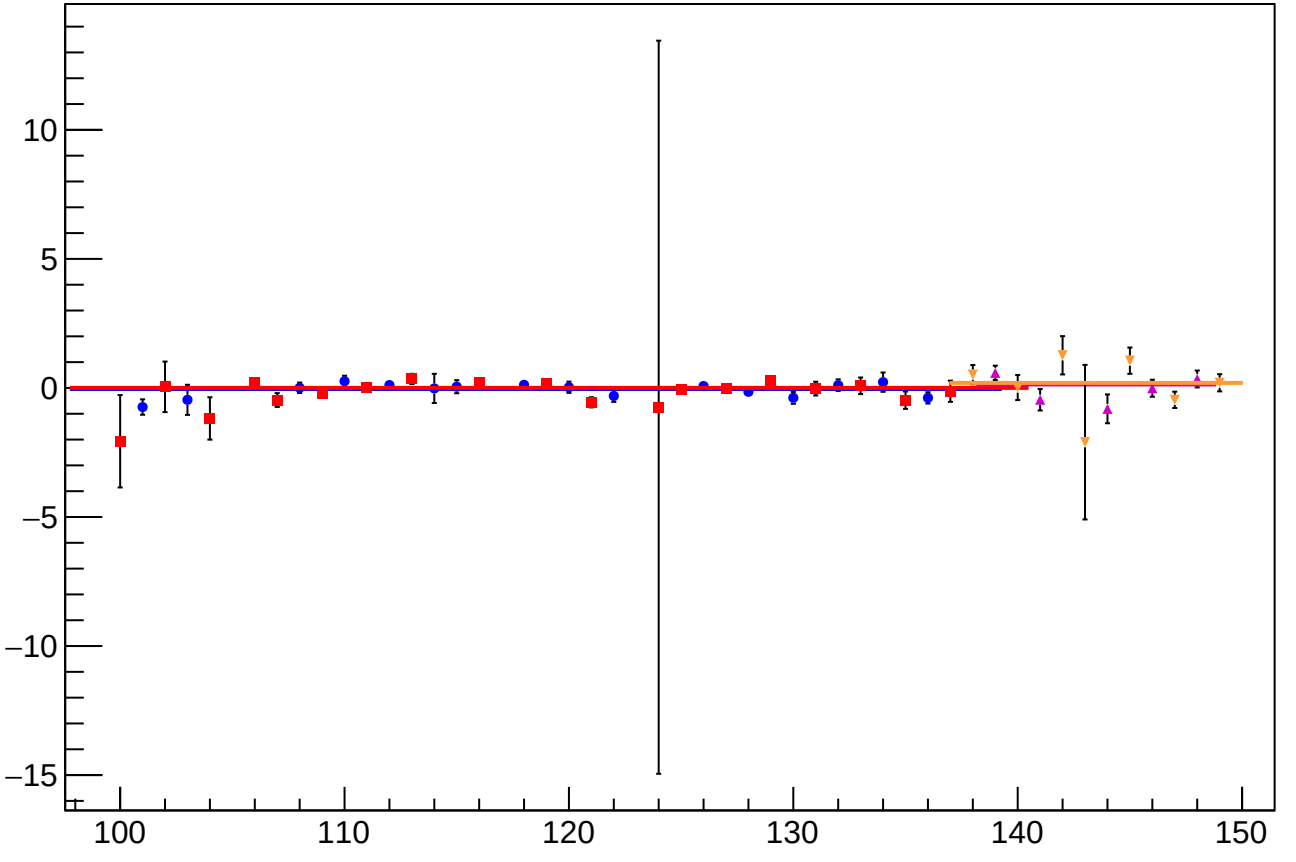
Left In: 312.667+/-0.111 χ^2/NDF:481781.8/4

+ sign 158.923+/-0.037 χ^2/NDF: 5773212.5/22

All: 147.681+/-0.025 χ^2/NDF: 11272129.0/46

- 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: 0.196+/-0.166 χ^2/NDF:10.7/6

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

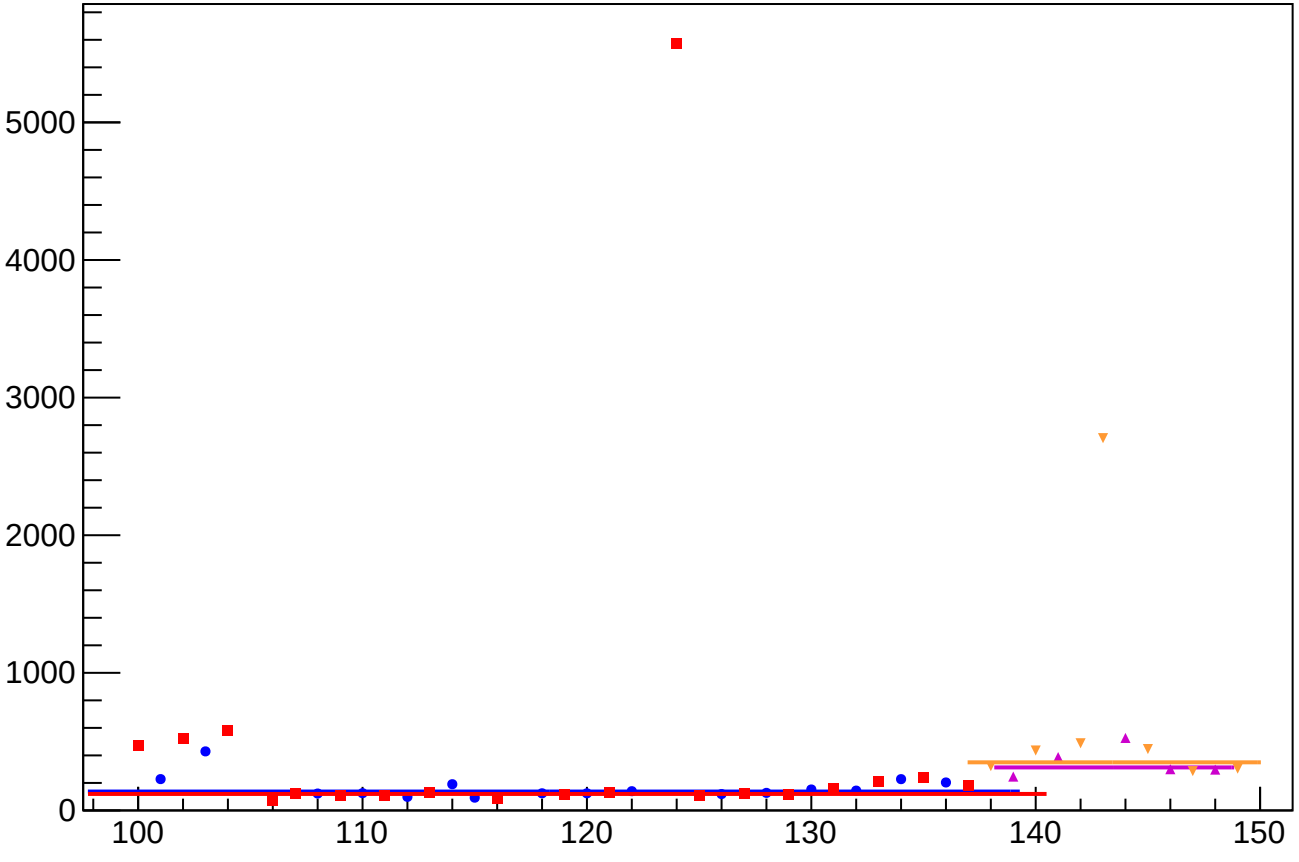
Left In: 0.135+/-0.157 χ^2/NDF:8.1/4

\+ sign -0.016+/-0.053 χ^2/NDF: 30.4/22

All: 0.001+/-0.036 χ^2/NDF: 68.1/46

\- sign 0.015+/-0.048 χ^2/NDF: 37.4/23

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 349.706+/-0.118 χ^2/NDF:1571902.9/6

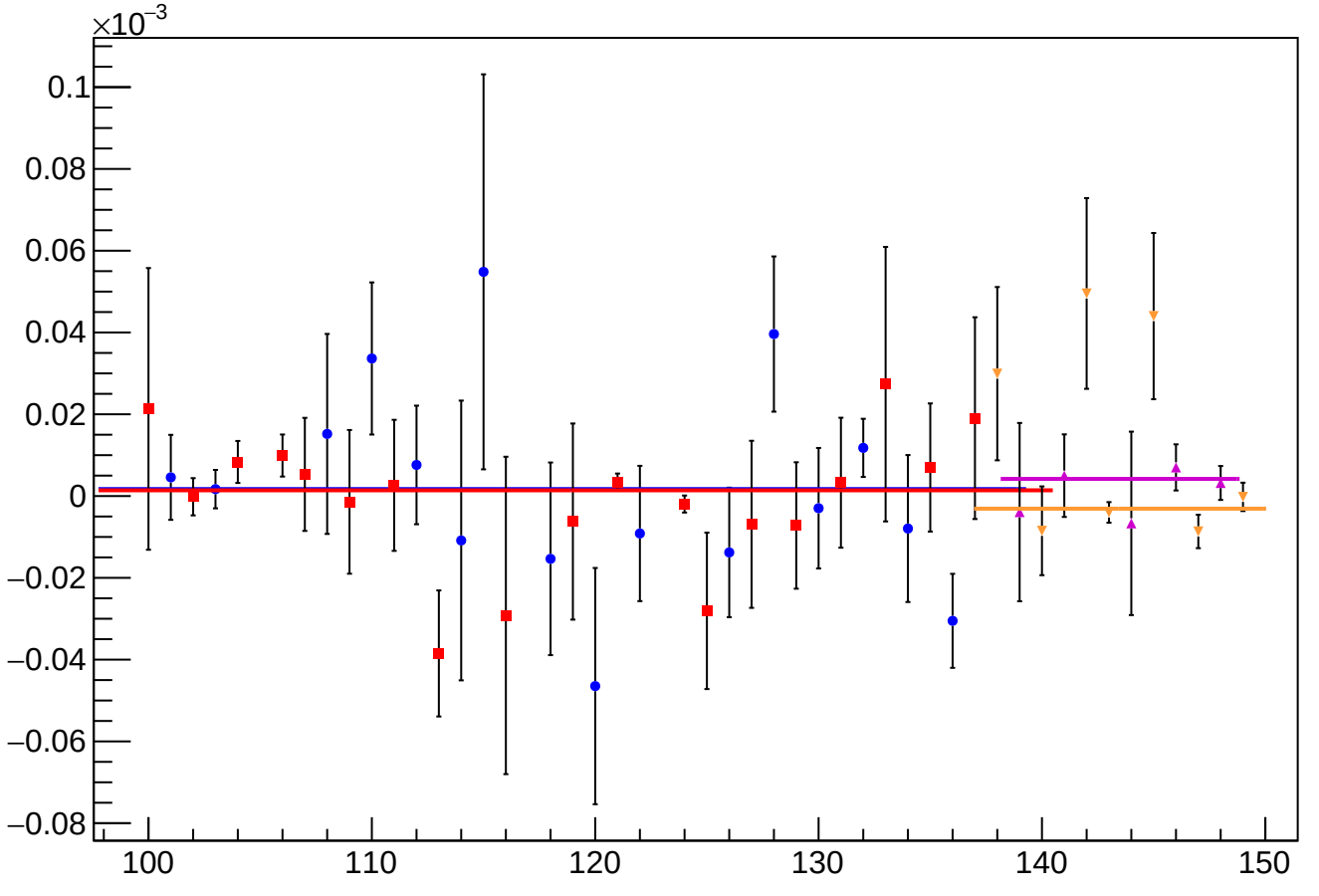
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 312.667+/-0.111 χ^2/NDF:481781.8/4

+ sign 158.923+/-0.037 χ^2/NDF: 5773212.5/22

All: 147.681+/-0.025 χ^2/NDF: 11272129.0/46

- 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:15.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

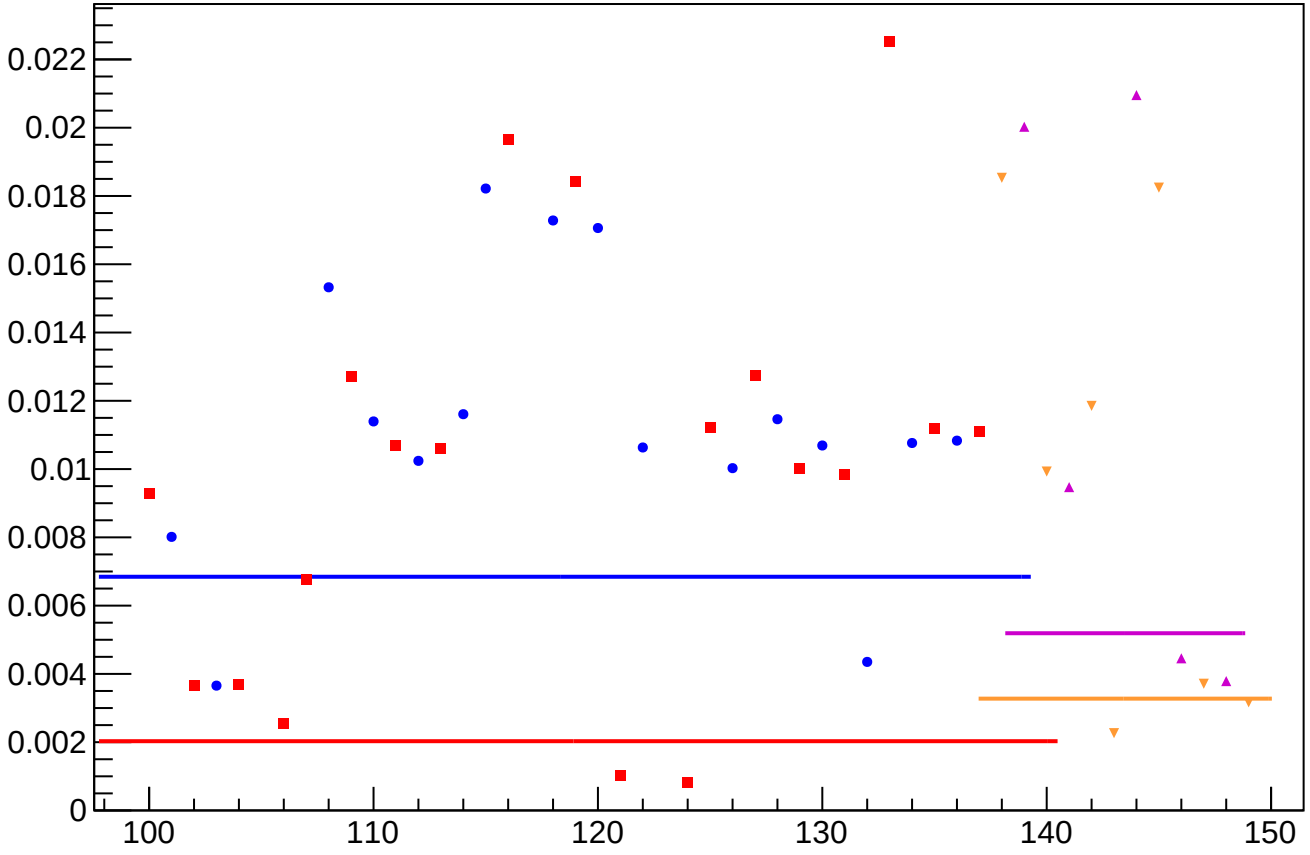
Left In: 0.000+/-0.000 χ^2/NDF:0.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/22

All: 0.000+/-0.000 χ^2/NDF: 66.7/46

- 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:3491070.0/6

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

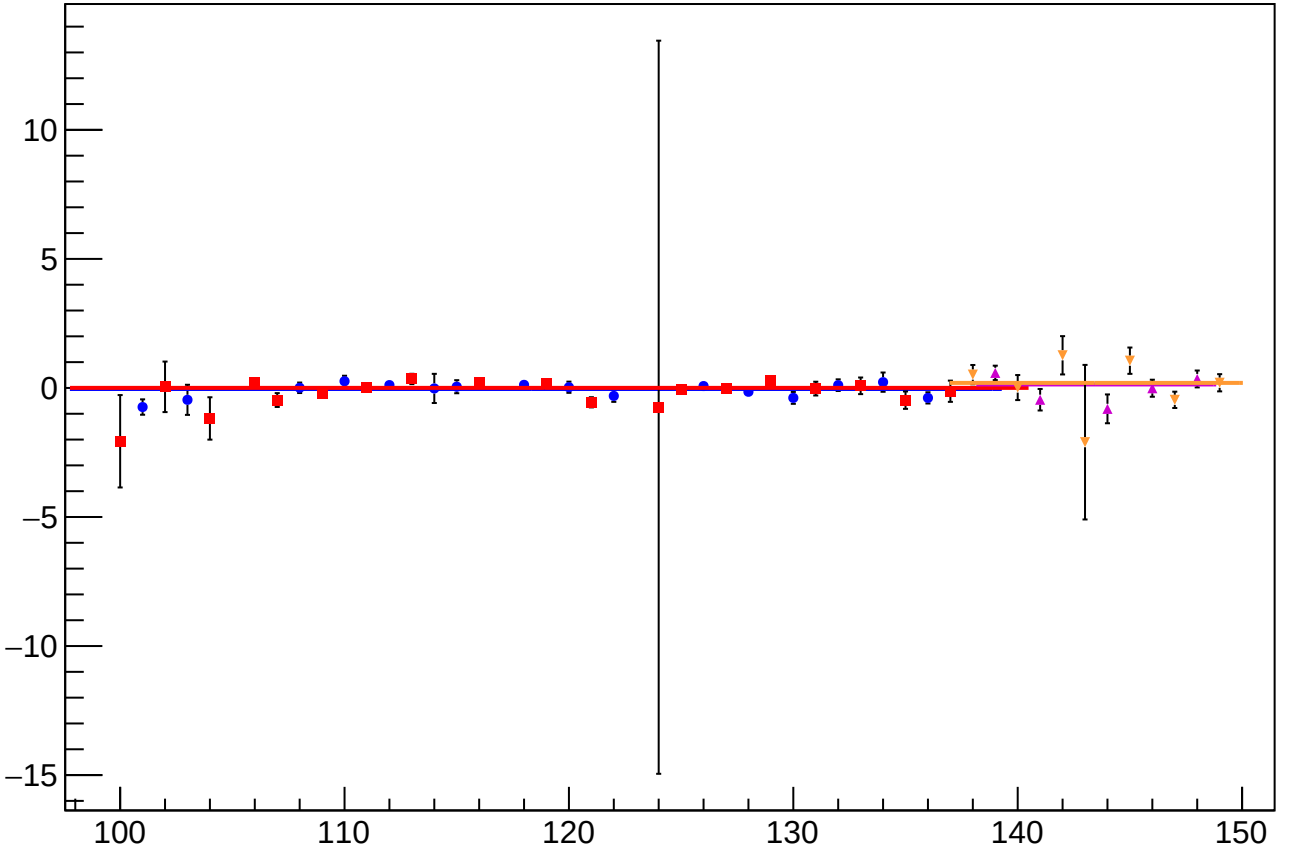
Left In: 0.005+/-0.000 χ^2/NDF:2536098.7/4

+ sign 0.004+/-0.000 χ^2/NDF: 8851468.2/22

All: 0.003+/-0.000 χ^2/NDF: 23829517.4/46

- sign 0.002+/-0.000 χ^2/NDF: 13322231.1/23

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.196+/-0.166 χ^2/NDF:10.7/6

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

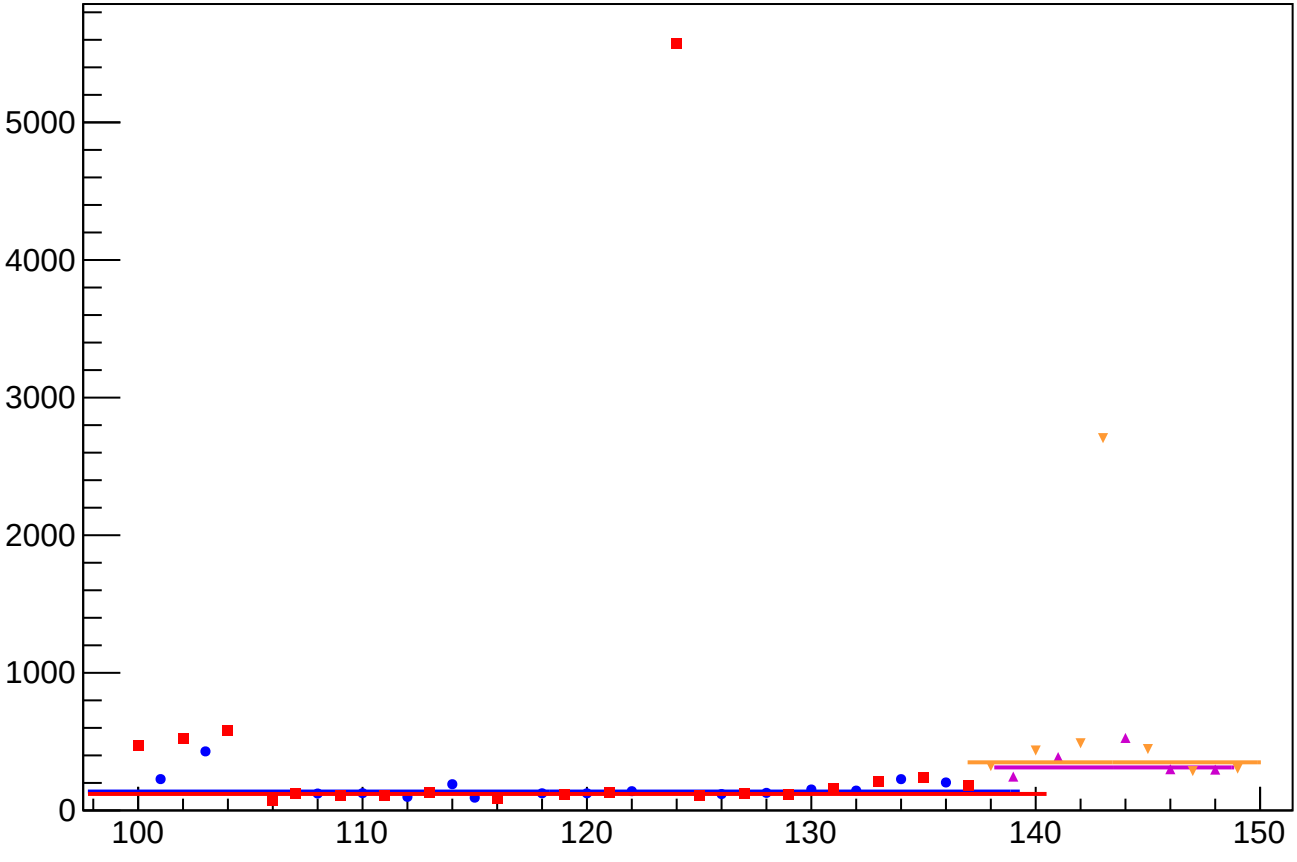
Left In: 0.135+/-0.157 χ^2/NDF:8.1/4

+ sign -0.016+/-0.053 χ^2/NDF: 30.4/22

All: 0.001+/-0.036 χ^2/NDF: 68.1/46

- 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: 349.708+/-0.118 χ^2/NDF:1571930.5/6

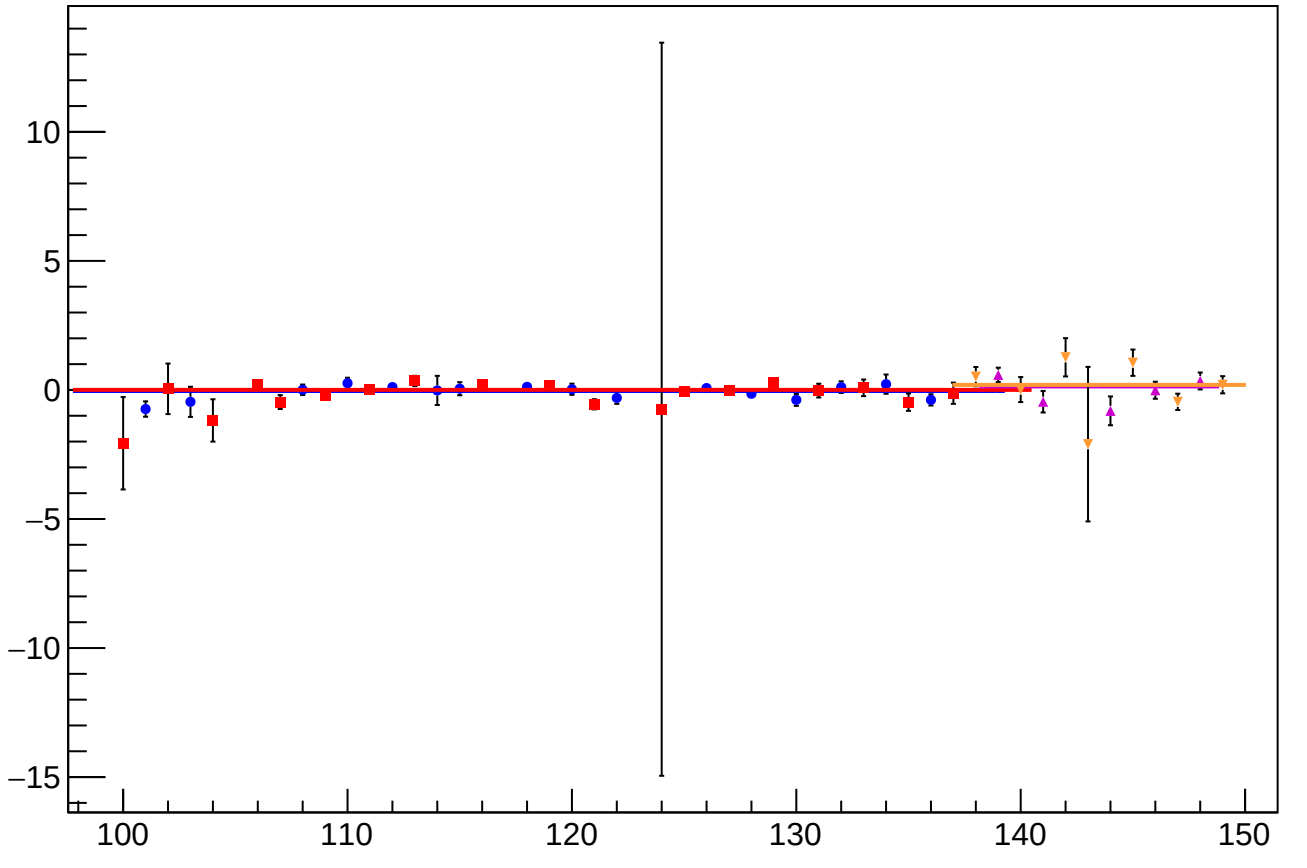
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 312.672+/-0.111 χ^2/NDF:481768.6/4

+ sign 158.924+/-0.037 χ^2/NDF: 5773171.3/22

All: 147.681+/-0.025 χ^2/NDF: 11272076.0/46

- 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: 0.196+/-0.166 χ^2/NDF:10.7/6

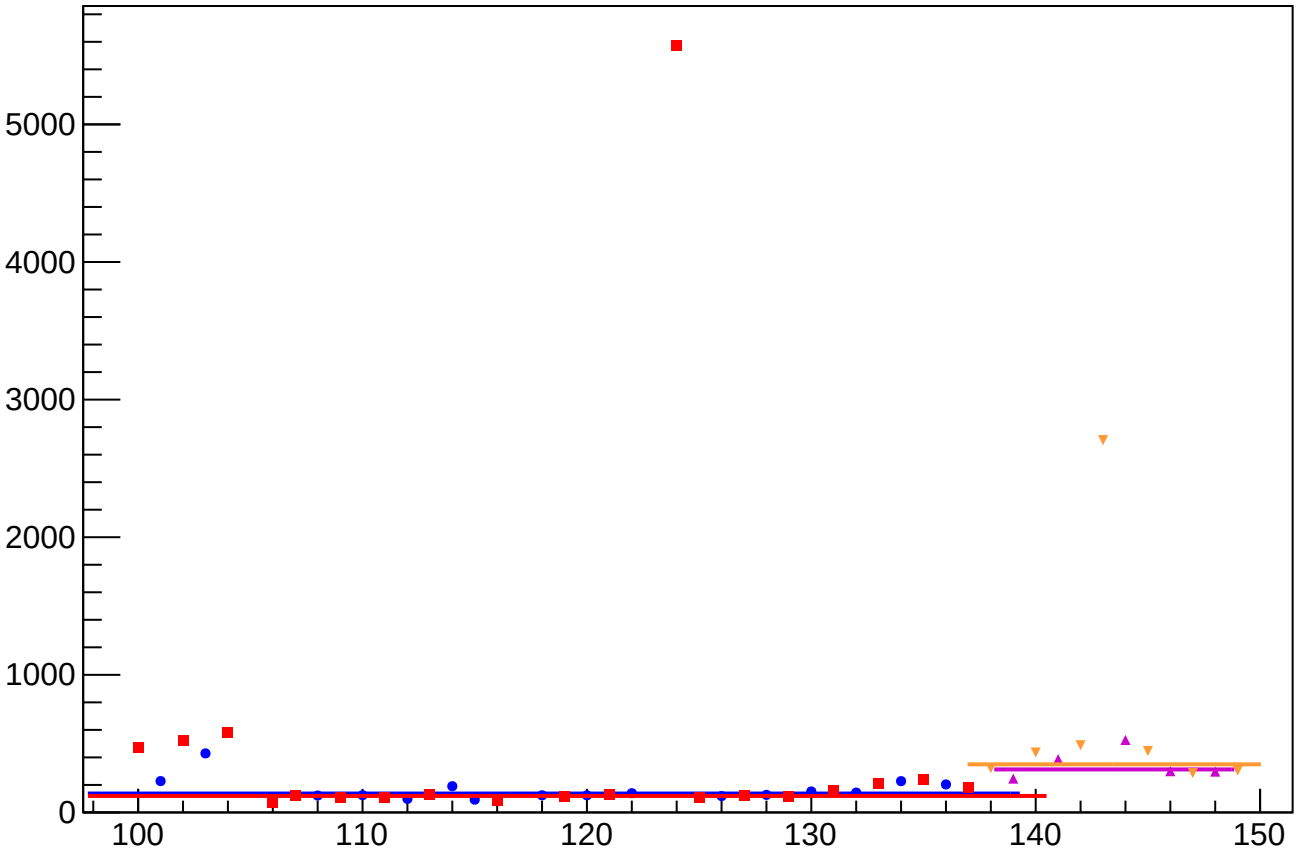
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.135+/-0.157 χ^2/NDF:8.1/4

\+ sign -0.016+/-0.053 χ^2/NDF: 30.4/22

All: 0.001+/-0.036 χ^2/NDF: 68.1/46

\- 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: 349.708+/-0.118 χ^2/NDF:1571930.5/6

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

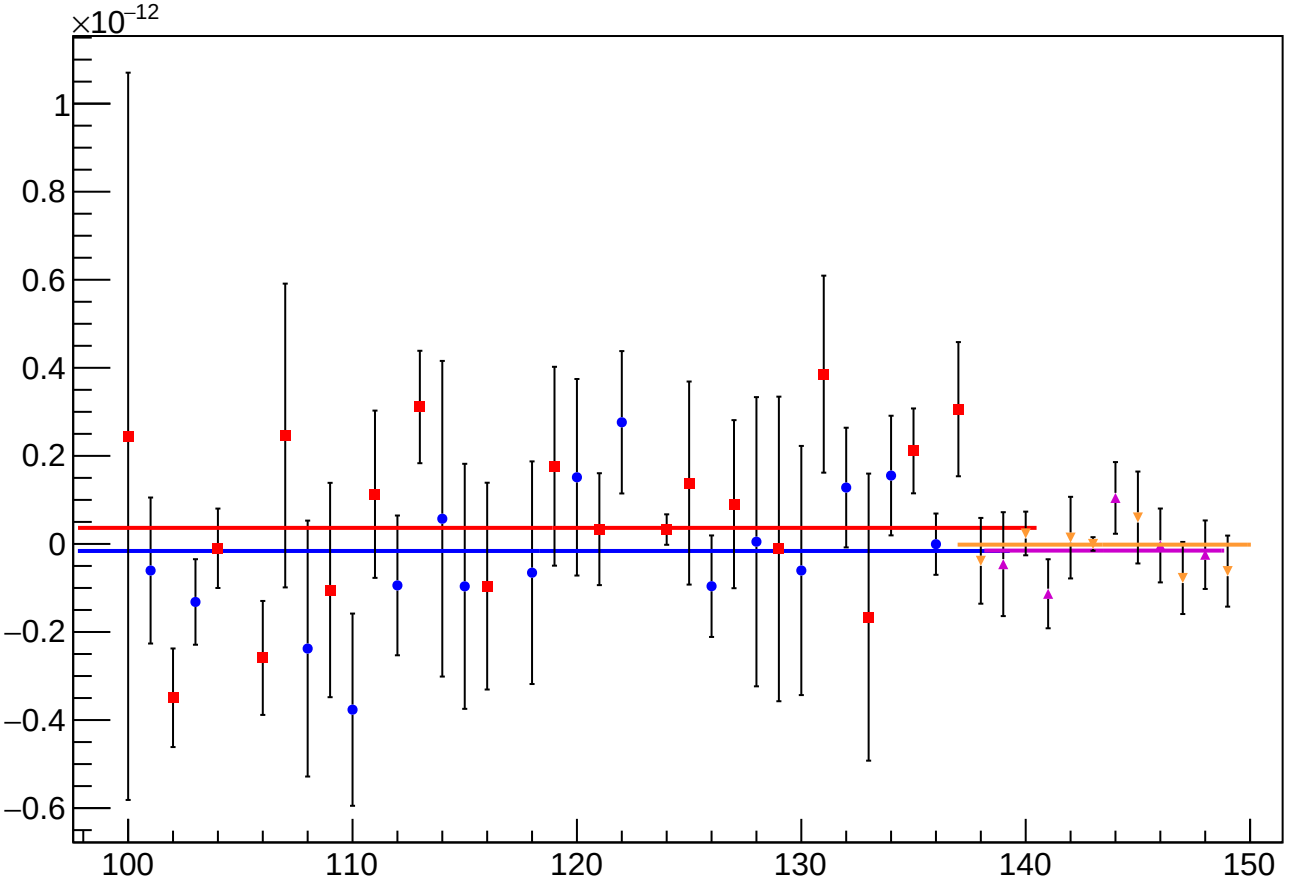
Left In: 312.672+/-0.111 χ^2/NDF:481768.6/4

+ sign 158.924+/-0.037 χ^2/NDF: 5773171.3/22

All: 147.681+/-0.025 χ^2/NDF: 11272076.0/46

- sign 138.254+/-0.034 χ^2/NDF: 5332922.6/23

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.2/6

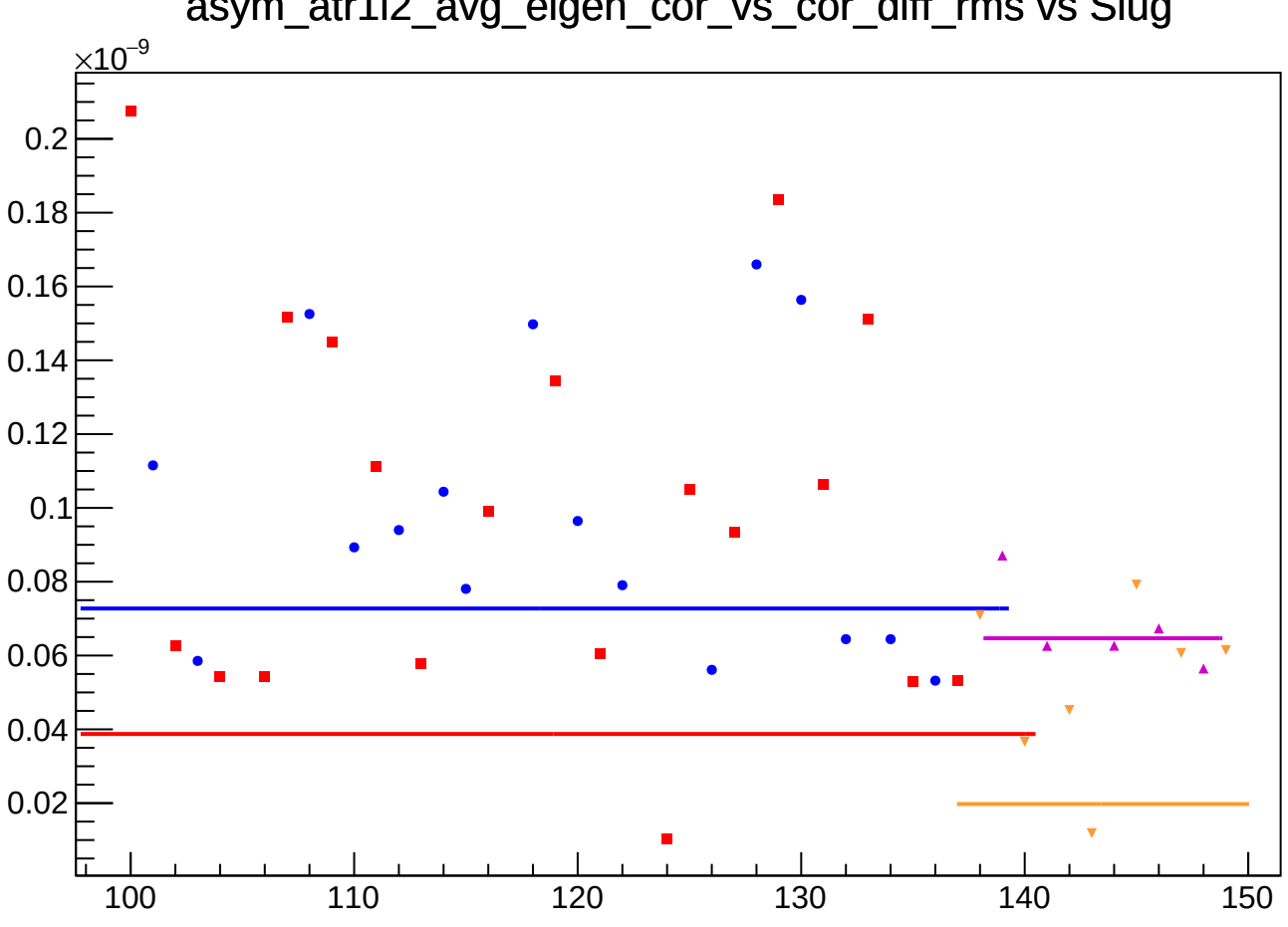
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 14.6/22

All: 0.000+/-0.000 χ^2/NDF: 53.8/46

- 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:3142811.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

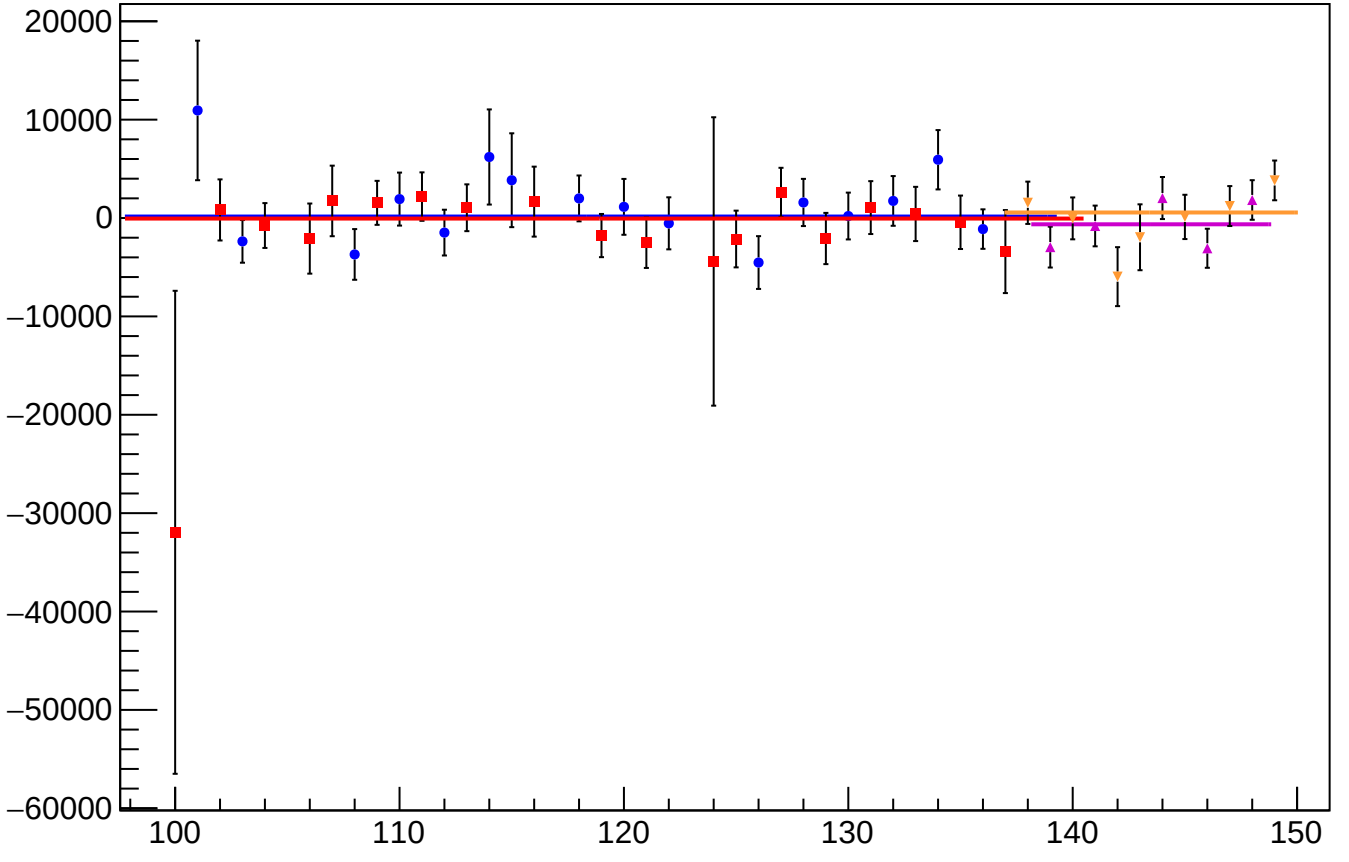
Left In: 0.000+/-0.000 χ^2/NDF:99108.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 7829321.8/22

All: 0.000+/-0.000 χ^2/NDF: 14214421.6/46

- 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: 563.403+/-869.521 χ^2/NDF:8.3/6

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

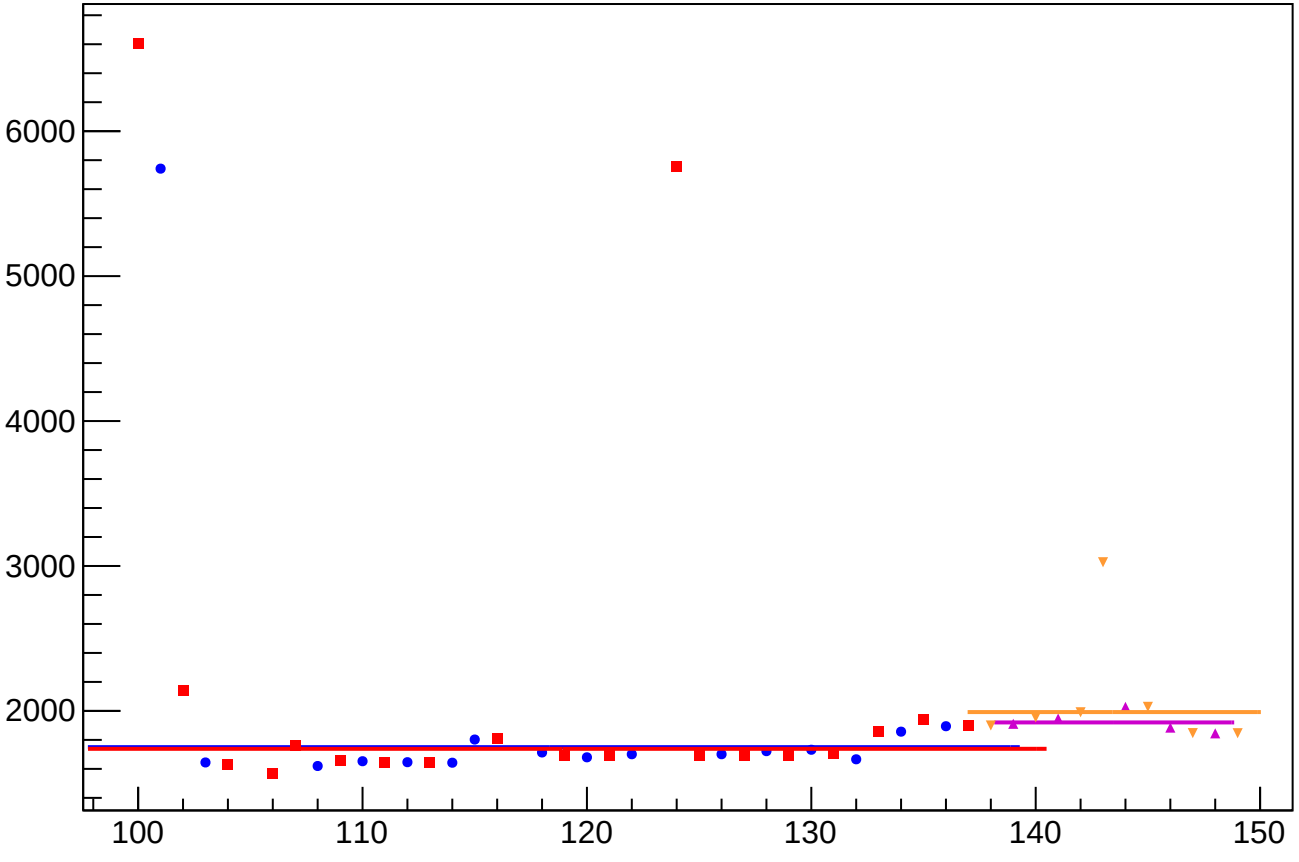
Left In: -637.187+/-918.722 χ^2/NDF:5.8/4

+ sign 303.606+/-529.242 χ^2/NDF: 26.1/22

All: 28.657+/-375.719 χ^2/NDF: 41.7/46

- 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: 1991.991+/-0.615 χ^2/NDF:216042.7/6

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

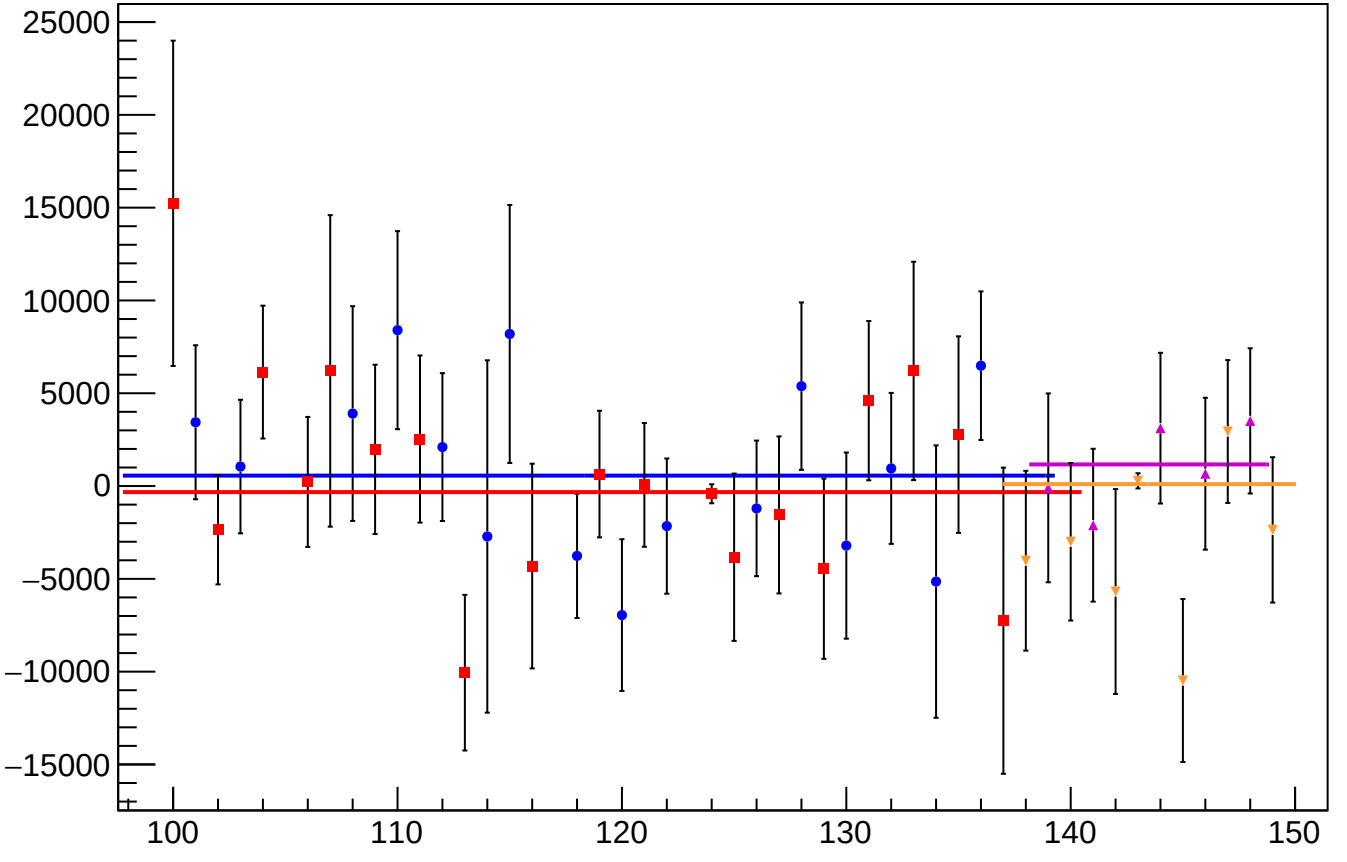
Left In: 1920.529+/-0.650 χ^2/NDF:8885.5/4

+ sign 1839.564+/-0.374 χ^2/NDF: 983246.8/22

All: 1819.481+/-0.265 χ^2/NDF: 1354704.7/46

- sign 1799.275+/-0.375 χ^2/NDF: 365680.4/23

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 104.182+/-398.699 χ^2/NDF:9.3/6

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

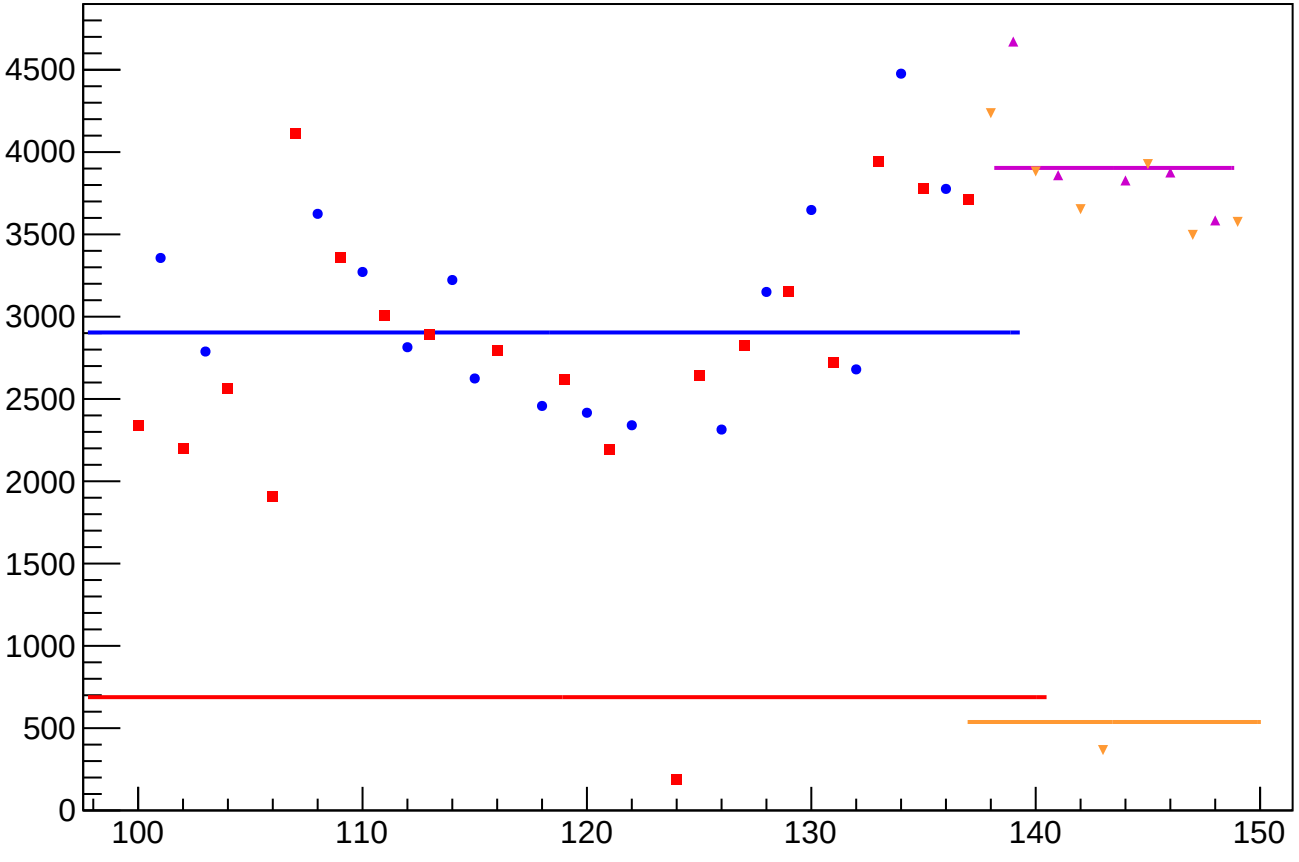
Left In: 1165.477+/-1879.000 χ^2/NDF:1.3/4

+ sign 157.283+/-374.883 χ^2/NDF: 24.3/22

All: -8.478+/-286.686 χ^2/NDF: 45.9/46

- 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: 537.440+/-0.282 χ^2/NDF:6974883.7/6

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

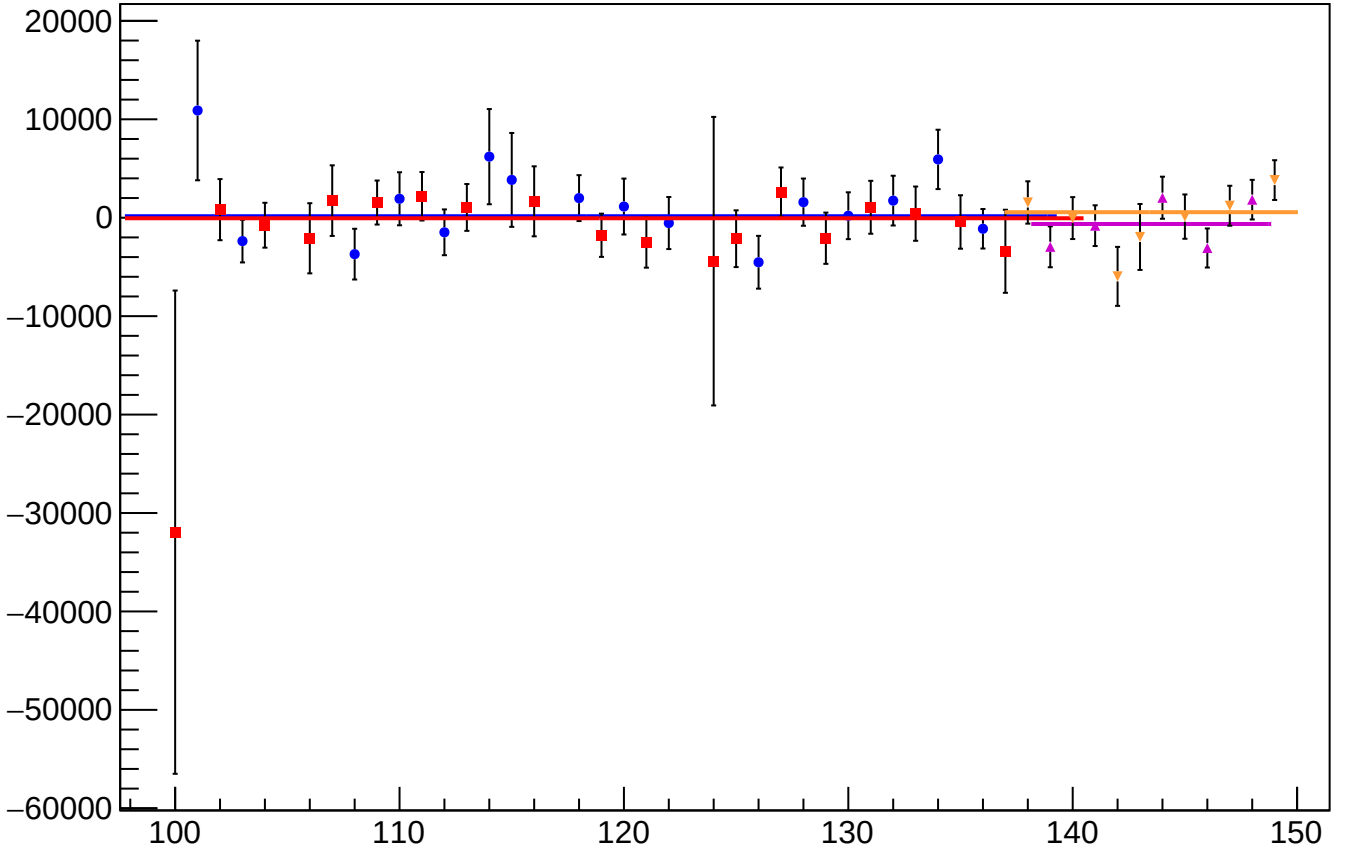
Left In: 3903.755+/-1.329 χ^2/NDF:59842.9/4

+ sign 811.734+/-0.265 χ^2/NDF: 15622074.4/22

All: 835.345+/-0.203 χ^2/NDF: 31378303.3/46

- 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: 563.270+/-869.521 χ^2/NDF:8.3/6

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

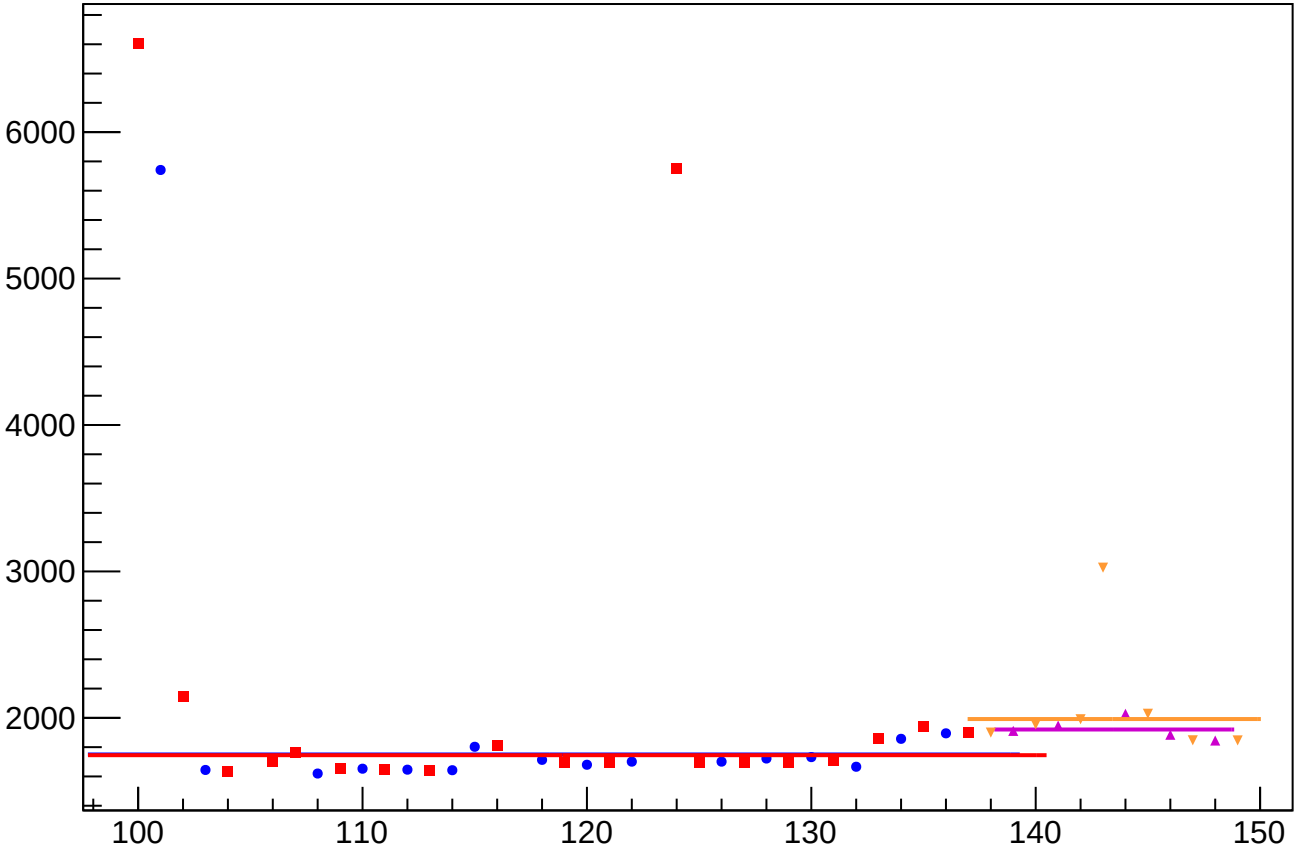
Left In: -637.227+/-918.722 χ^2/NDF:5.8/4

+ sign 303.262+/-529.242 χ^2/NDF: 26.1/22

All: 28.460+/-375.719 χ^2/NDF: 41.7/46

- 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: 1991.991+/-0.615 χ^2/NDF:216042.6/6

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

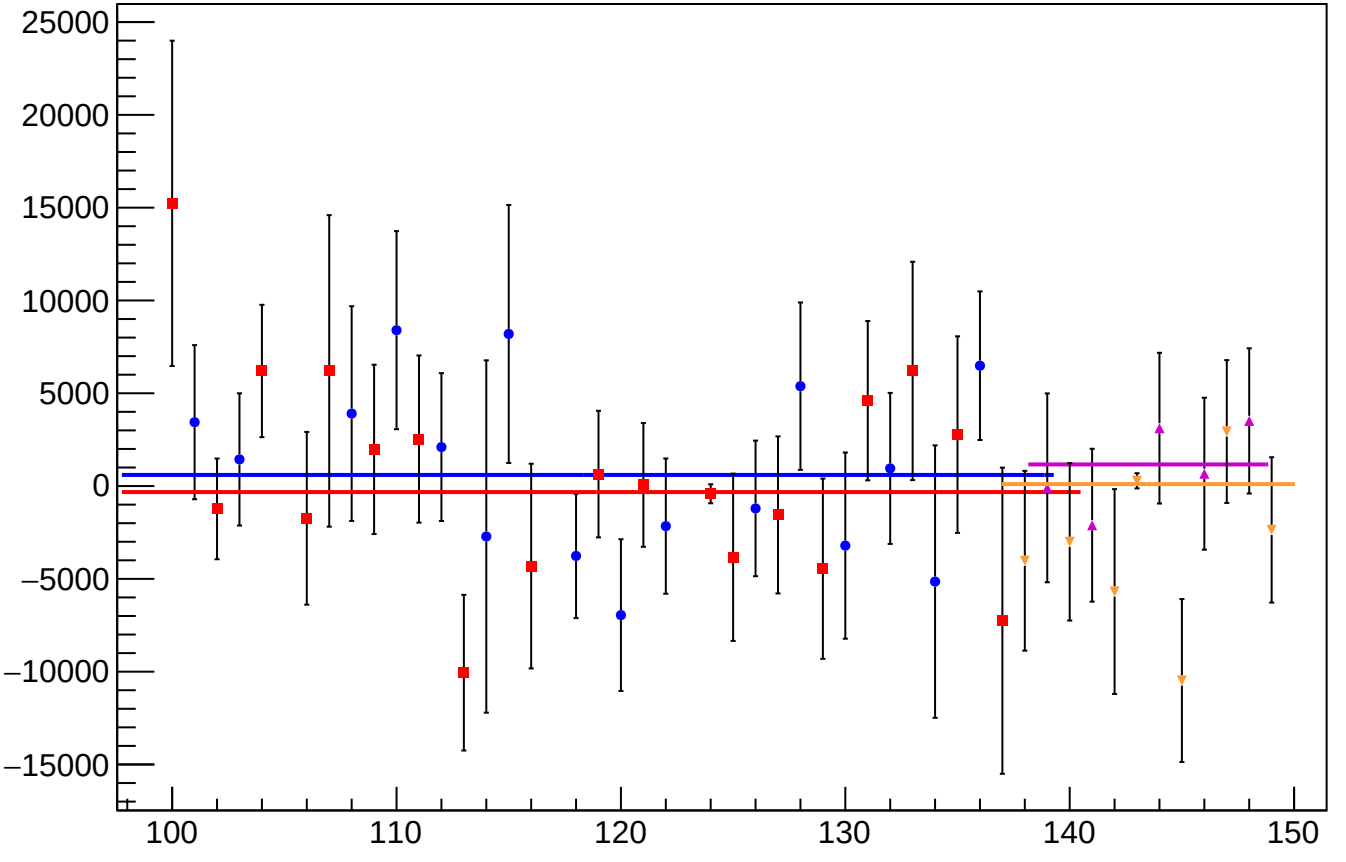
Left In: 1920.529+/-0.650 χ^2/NDF:8885.5/4

+ sign 1839.564+/-0.374 χ^2/NDF: 983247.3/22

All: 1821.888+/-0.265 χ^2/NDF: 1343006.2/46

- 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: 105.147+/-398.733 χ^2/NDF:9.3/6

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

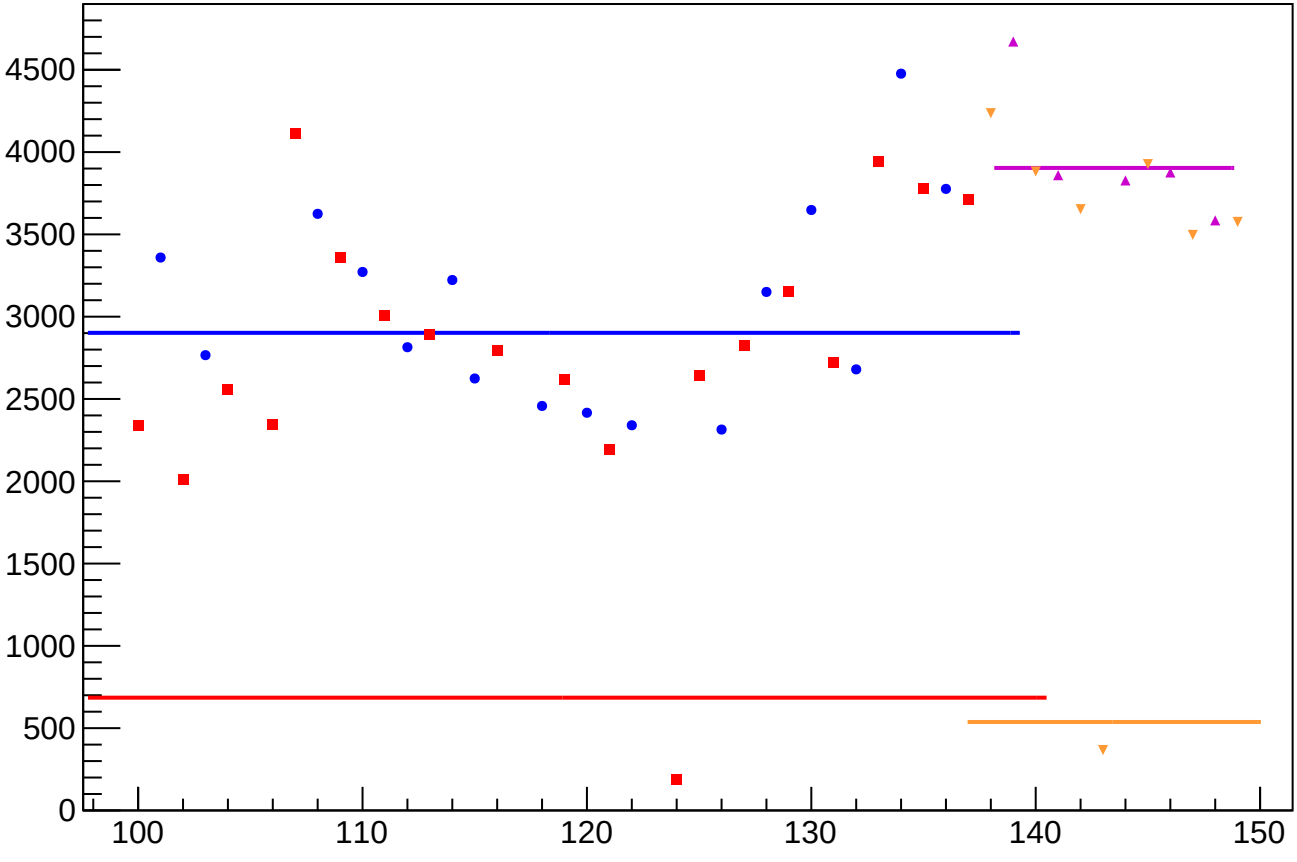
Left In: 1165.523+/-1878.997 χ^2/NDF:1.3/4

+ sign 162.629+/-374.870 χ^2/NDF: 24.3/22

All: -3.904+/-286.904 χ^2/NDF: 45.7/46

- 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: 537.507+/-0.282 χ^2/NDF:6974660.1/6

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

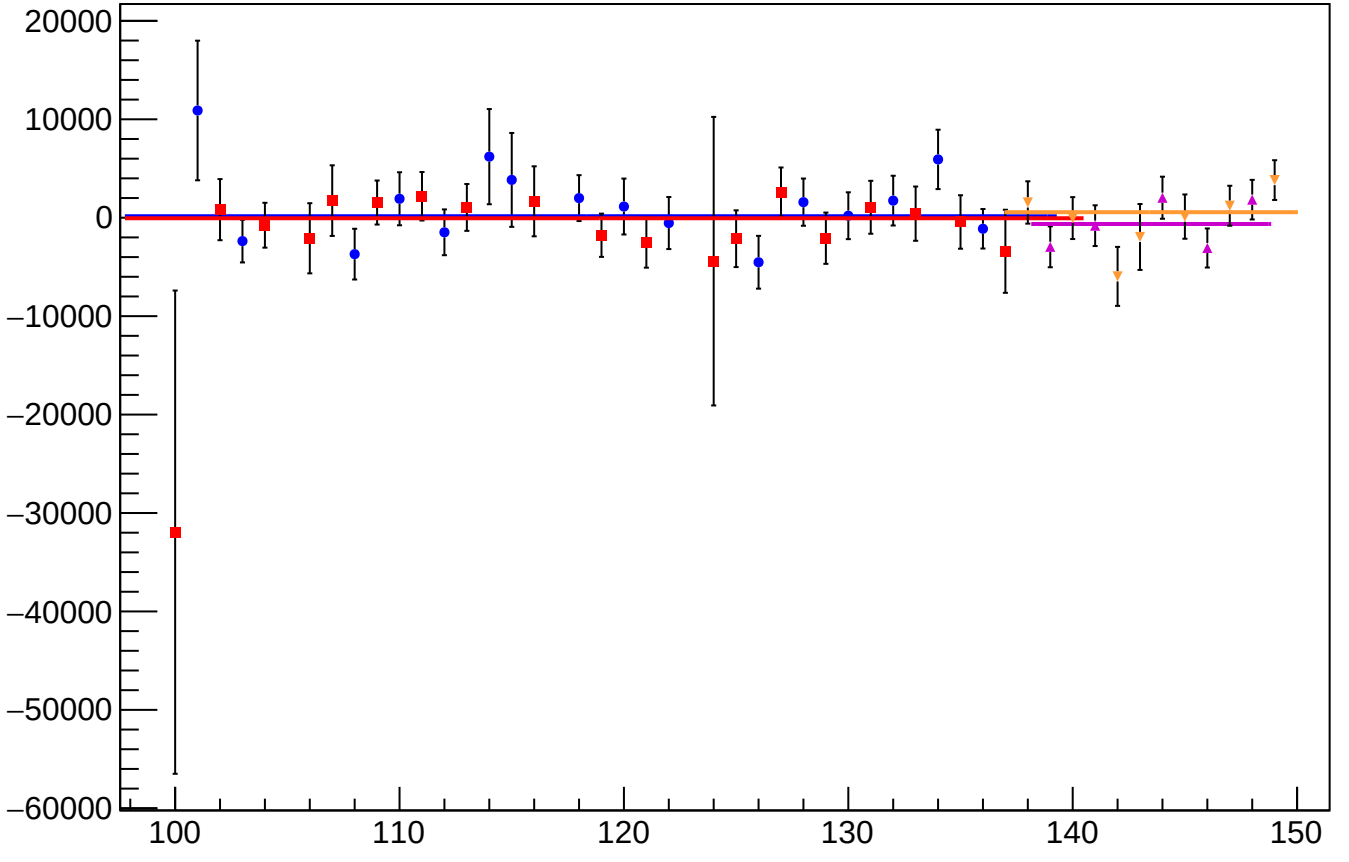
Left In: 3903.750+/-1.329 χ^2/NDF:59840.0/4

\+ sign 812.037+/-0.265 χ^2/NDF: 15620813.7/22

All: 834.555+/-0.203 χ^2/NDF: 31341526.4/46

\- 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: 563.270+/-869.521 χ^2/NDF:8.3/6

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

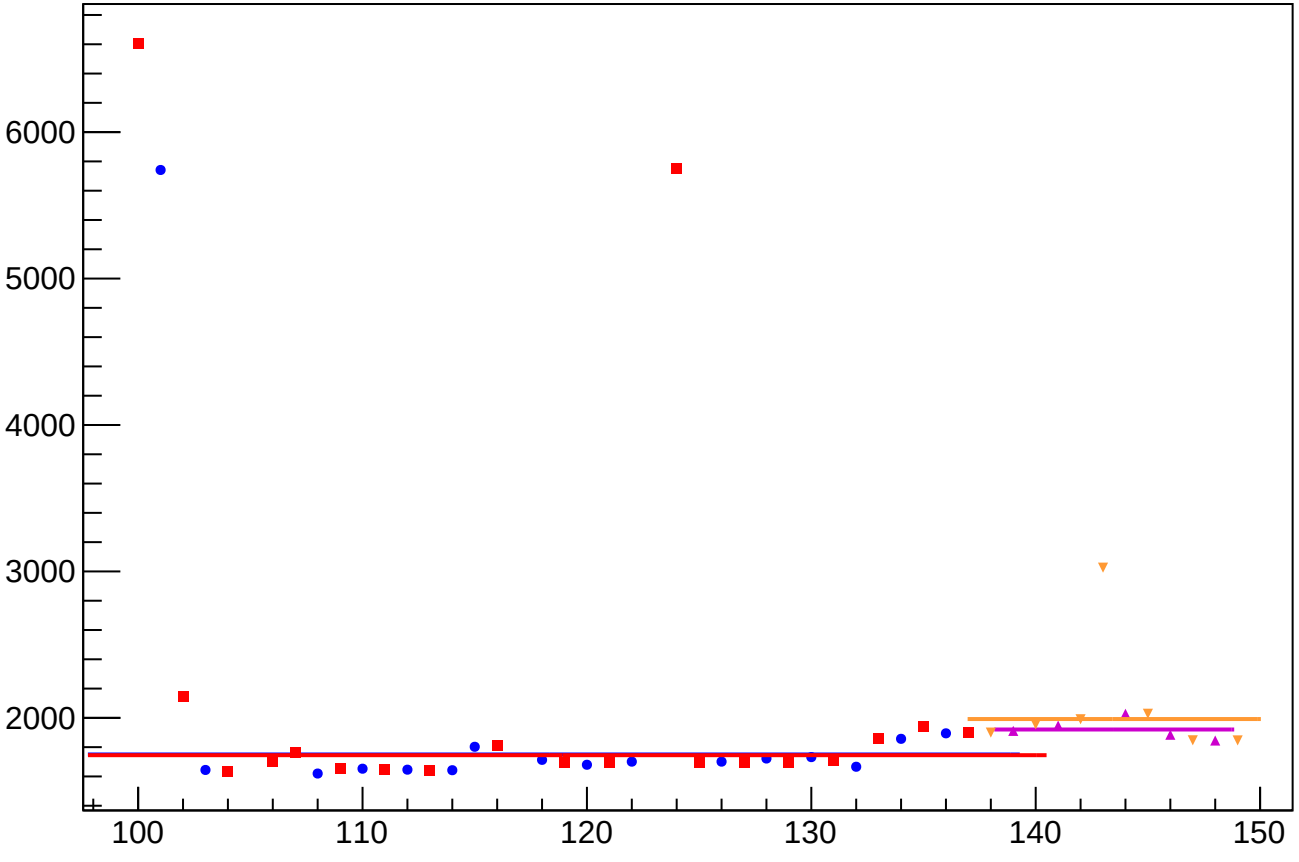
Left In: -637.227+/-918.722 χ^2/NDF:5.8/4

+ sign 303.262+/-529.242 χ^2/NDF: 26.1/22

All: 28.460+/-375.719 χ^2/NDF: 41.7/46

- 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: 1991.991+/-0.615 χ^2/NDF:216042.6/6

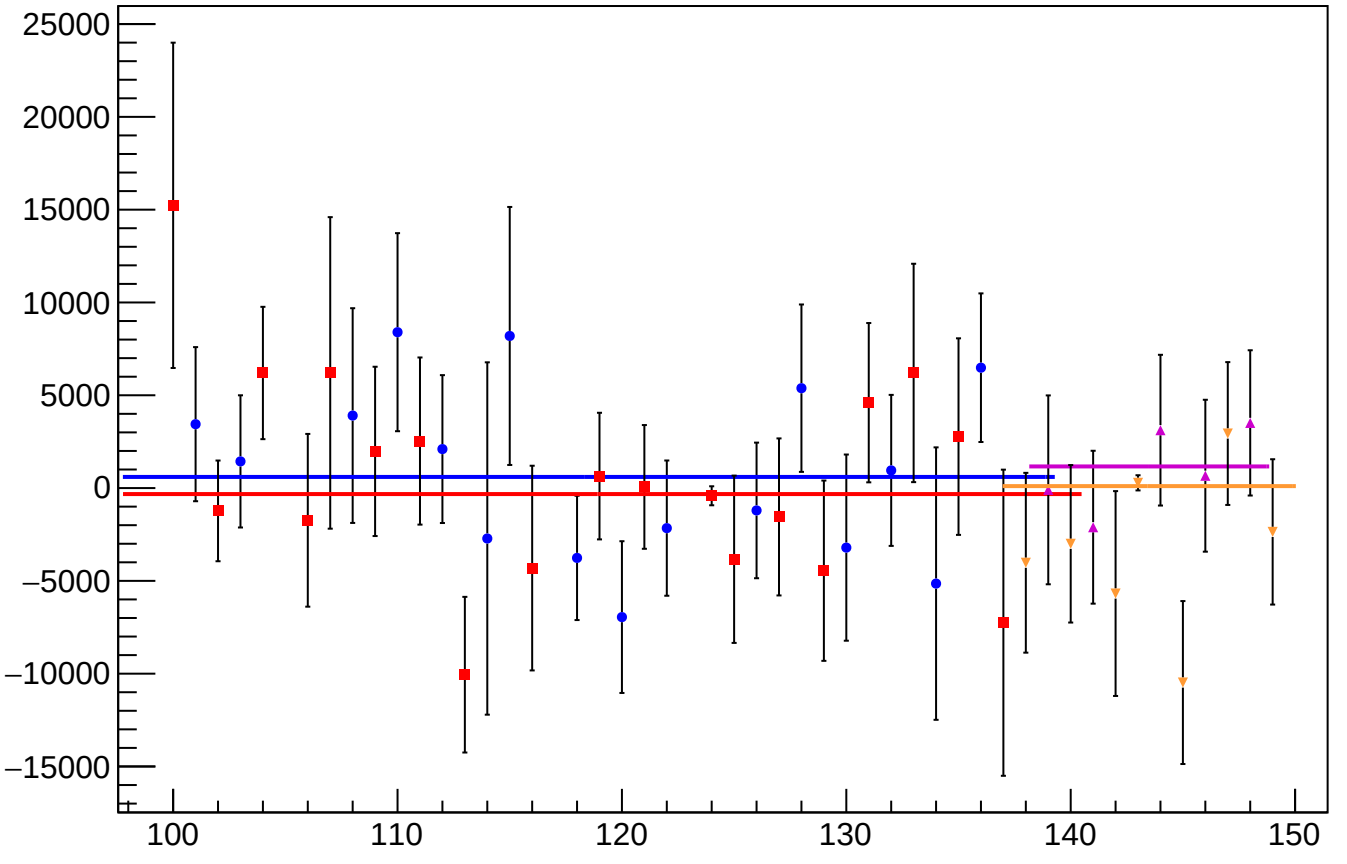
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1920.529+/-0.650 χ^2/NDF:8885.5/4

+ sign 1839.564+/-0.374 χ^2/NDF: 983247.3/22

All: 1821.888+/-0.265 χ^2/NDF: 1343006.2/46

- 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: 105.147+/-398.733 χ^2/NDF:9.3/6

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

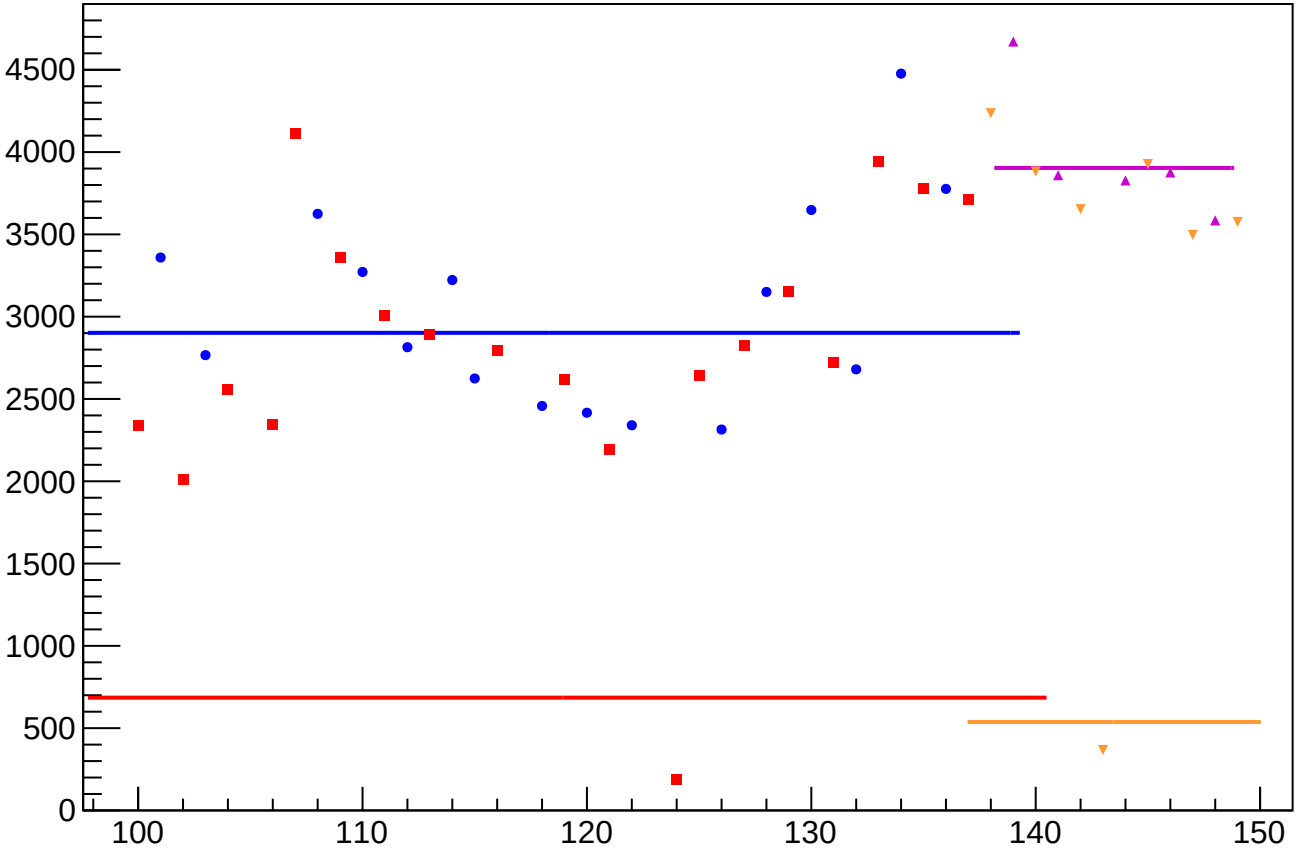
Left In: 1165.523+/-1878.997 χ^2/NDF:1.3/4

+ sign 162.629+/-374.870 χ^2/NDF: 24.3/22

All: -3.904+/-286.904 χ^2/NDF: 45.7/46

- 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: 537.507+/-0.282 χ^2/NDF:6974660.1/6

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

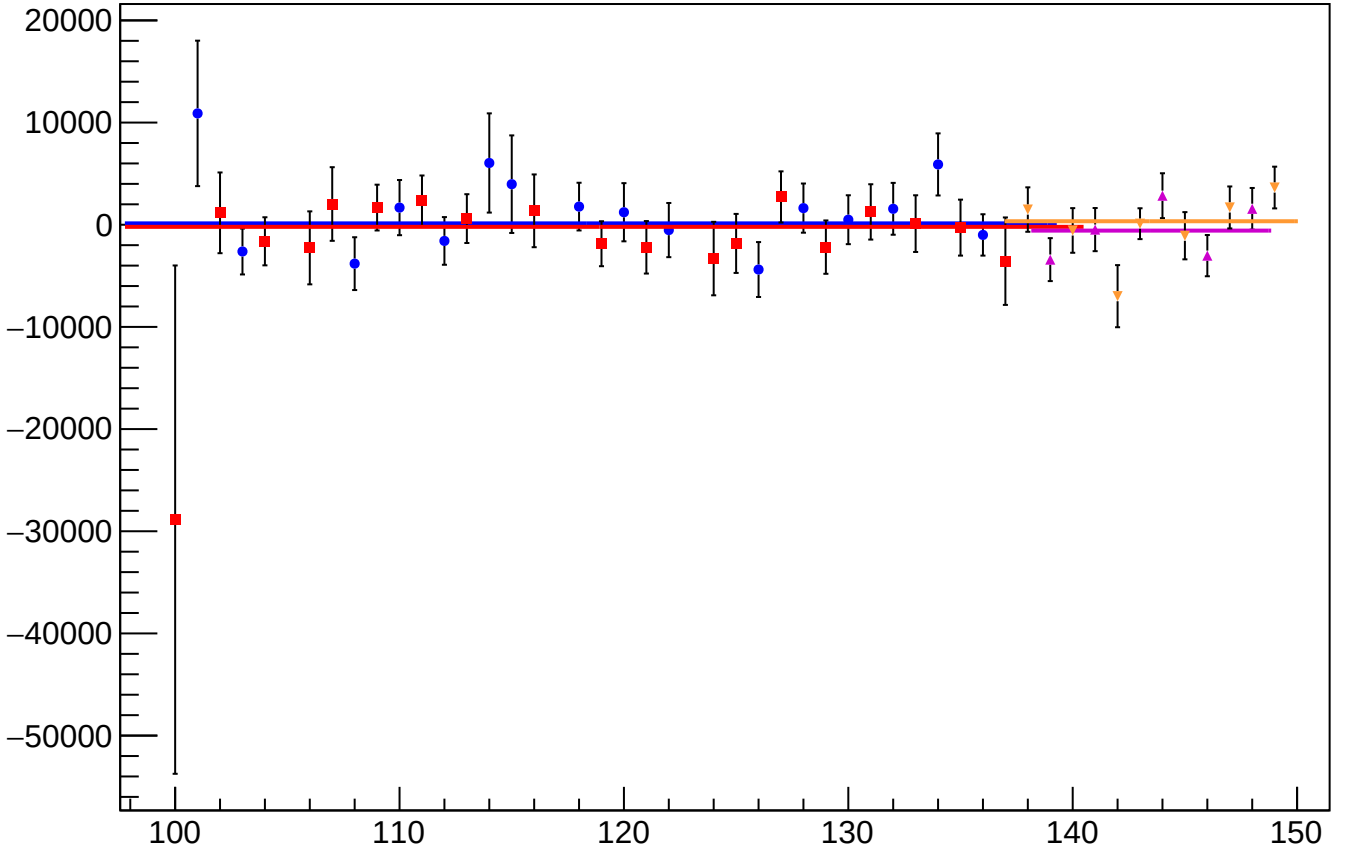
Left In: 3903.750+/-1.329 χ^2/NDF:59840.0/4

+ sign 812.037+/-0.265 χ^2/NDF: 15620813.7/22

All: 834.555+/-0.203 χ^2/NDF: 31341526.4/46

- 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: 342.456+/-782.798 χ^2/NDF:9.7/6

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

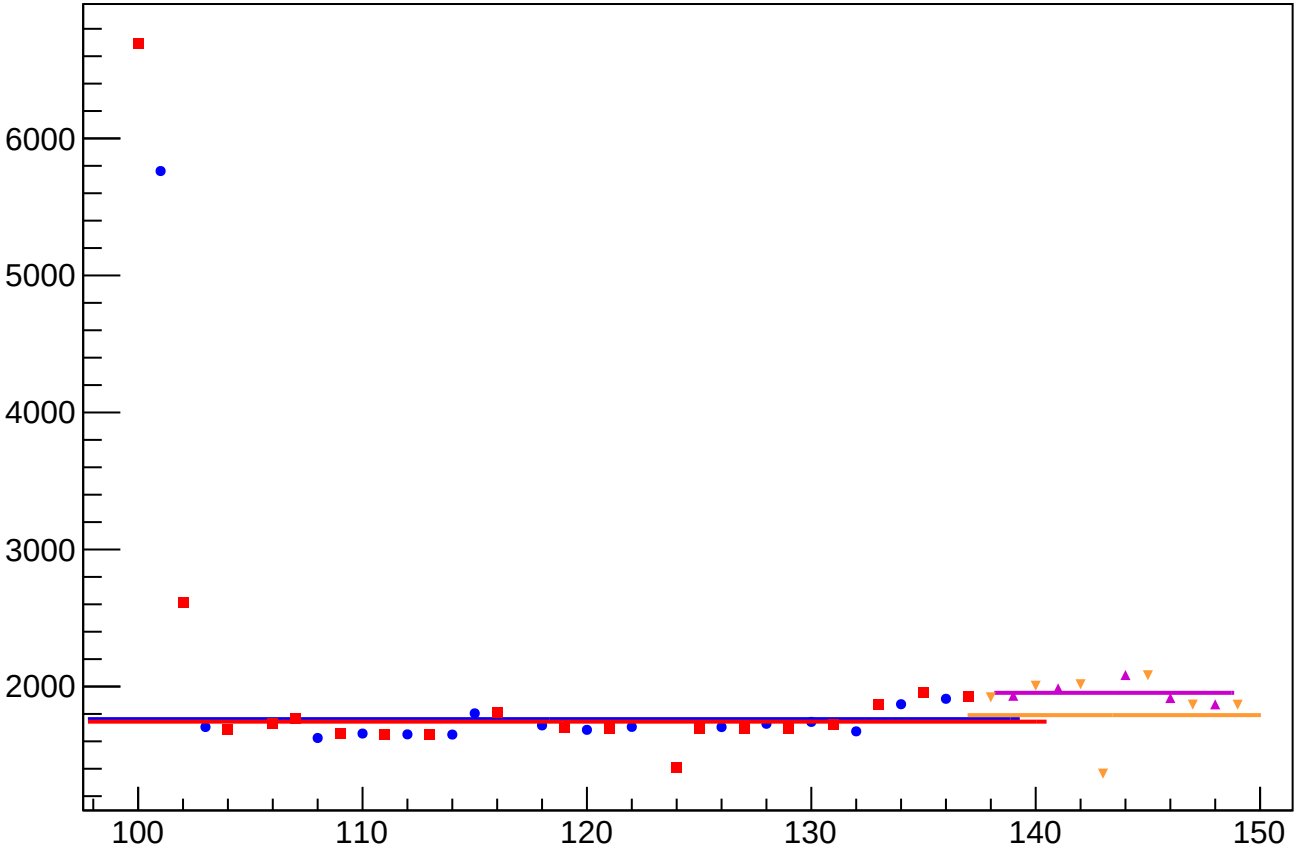
Left In: -574.580+/-934.976 χ^2/NDF:6.8/4

+ sign 222.293+/-509.723 χ^2/NDF: 27.0/22

All: -38.394+/-369.419 χ^2/NDF: 44.2/46

- 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: 1791.430+/-0.554 χ^2/NDF:234543.4/6

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

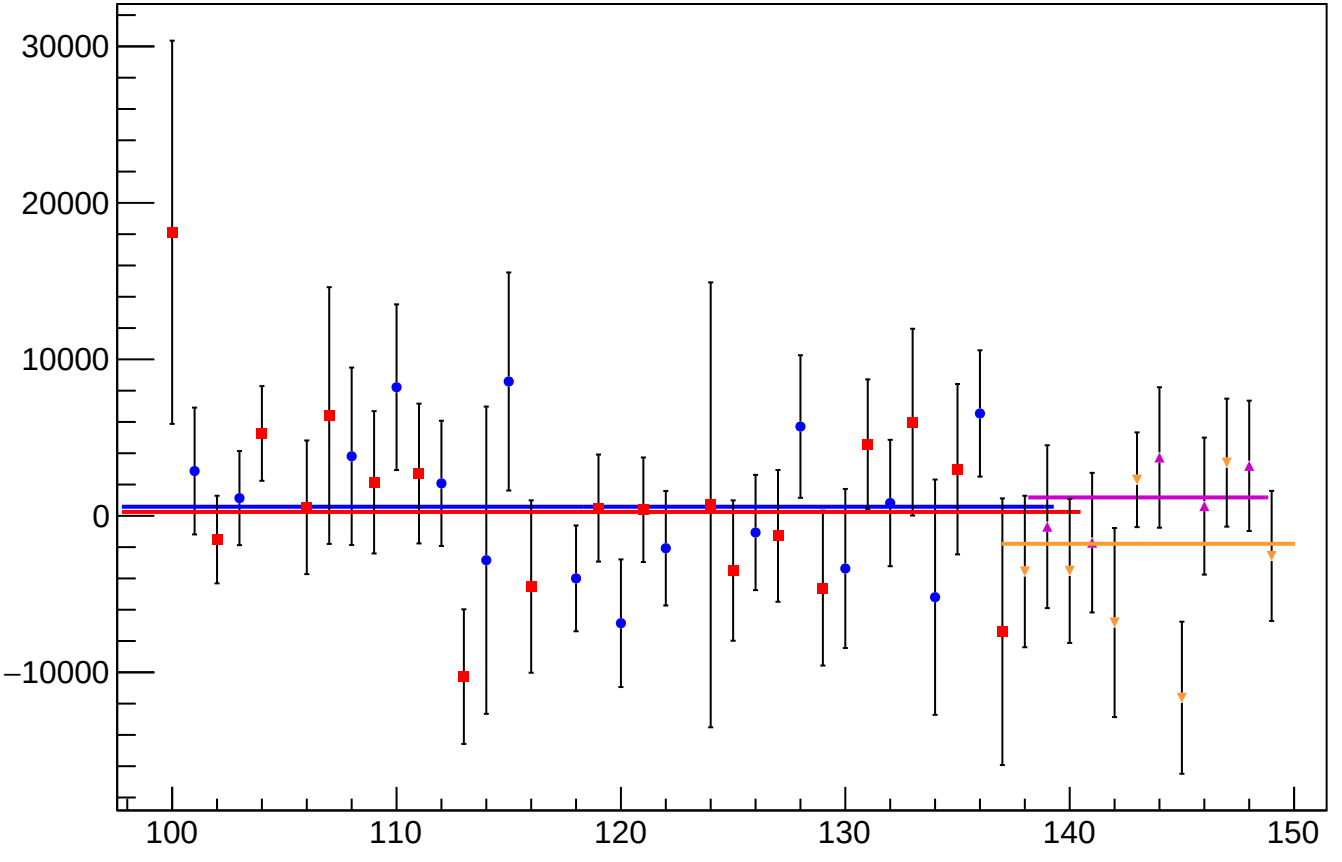
Left In: 1954.053+/-0.661 χ^2/NDF:11774.0/4

+ sign 1774.508+/-0.360 χ^2/NDF: 903862.6/22

All: 1792.638+/-0.261 χ^2/NDF: 1216776.3/46

- 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: -1785.576+/-1608.795 χ^2/NDF:8.5/6

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

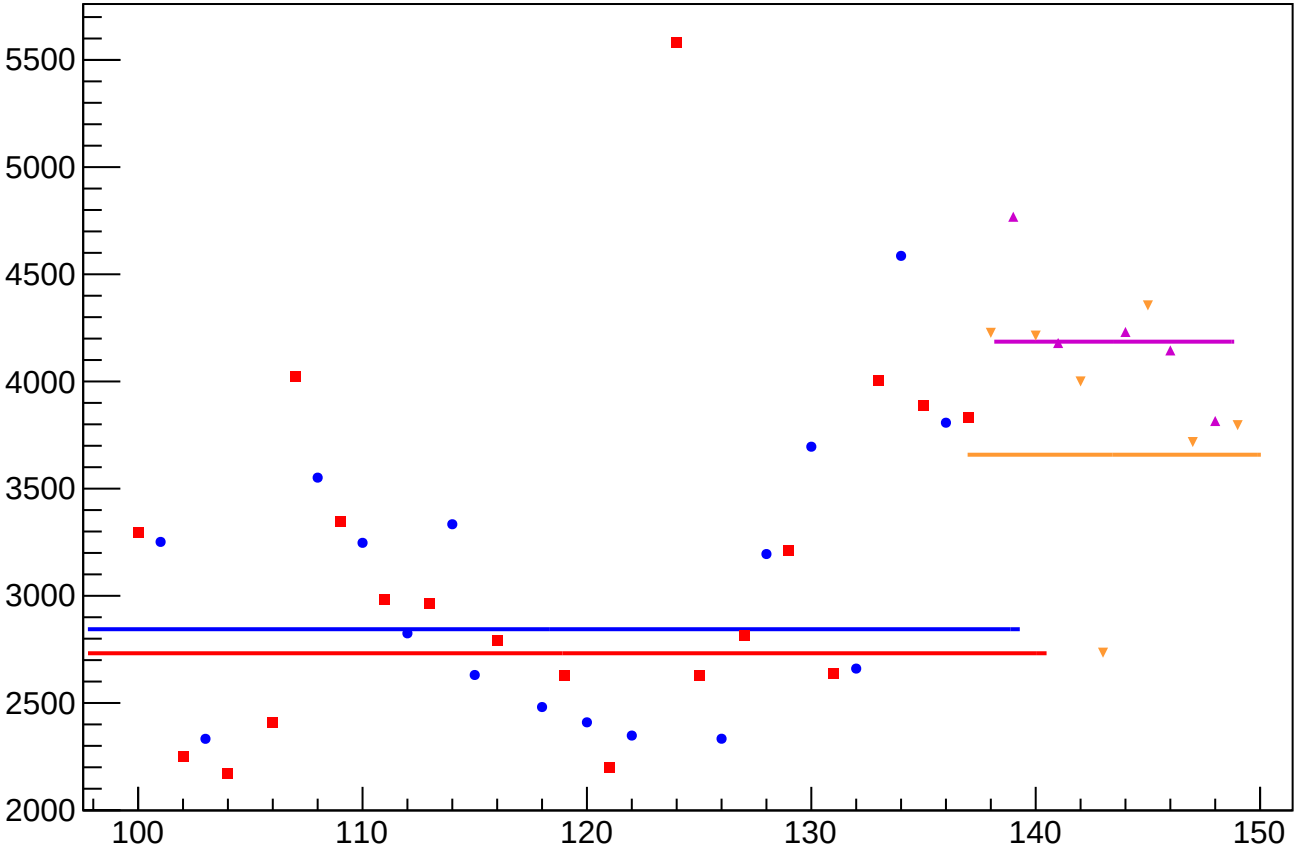
Left In: 1176.113+/-2013.452 χ^2/NDF:1.1/4

+ sign -154.741+/-897.535 χ^2/NDF: 24.9/22

All: 138.134+/-639.230 χ^2/NDF: 44.3/46

- 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: 3658.248+/-1.138 χ^2/NDF:293033.5/6

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

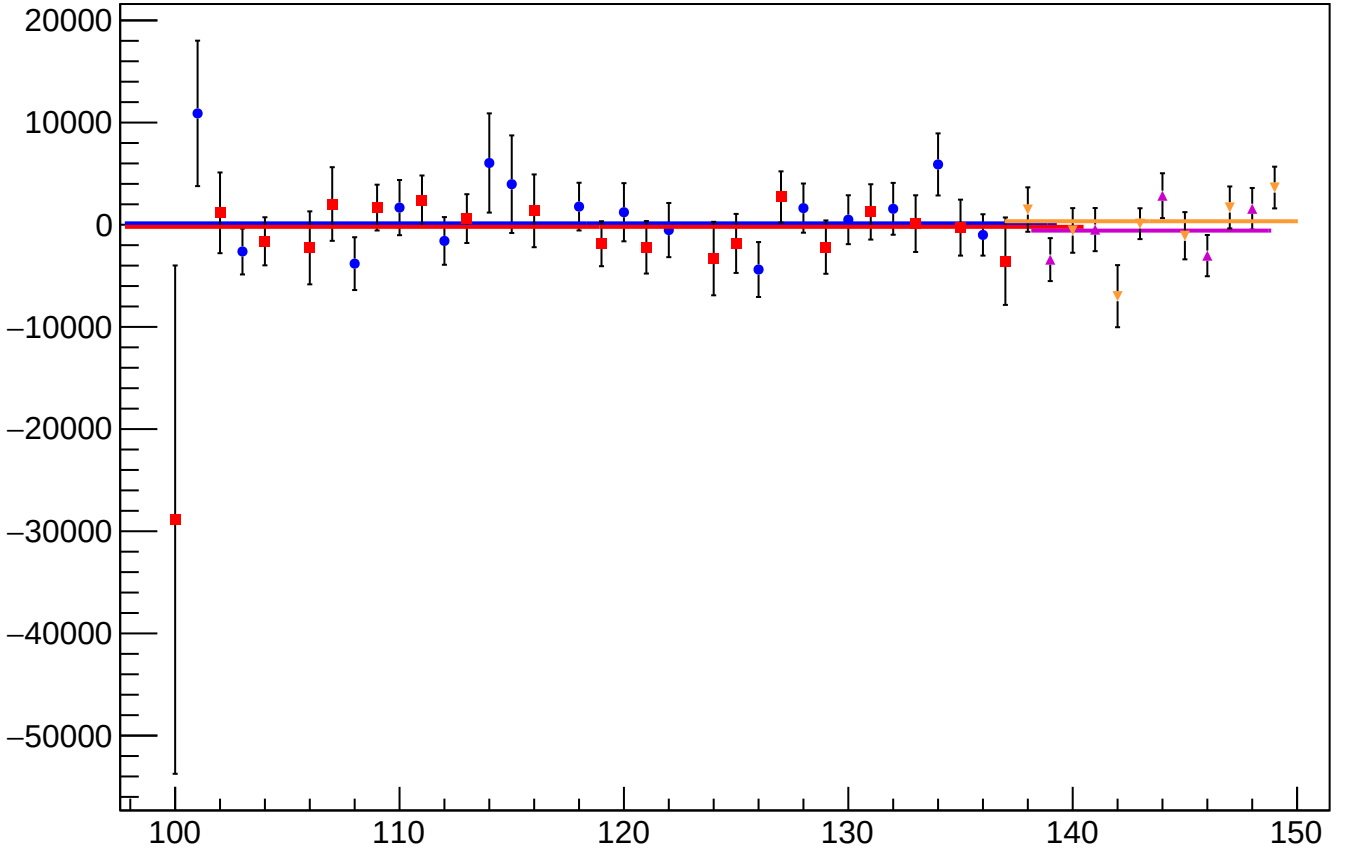
Left In: 4185.660+/-1.424 χ^2/NDF:41258.9/4

+ sign 3097.535+/-0.635 χ^2/NDF: 1187797.9/22

All: 3063.923+/-0.452 χ^2/NDF: 2675302.8/46

- 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: 342.448+/-782.799 χ^2/NDF:9.7/6

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

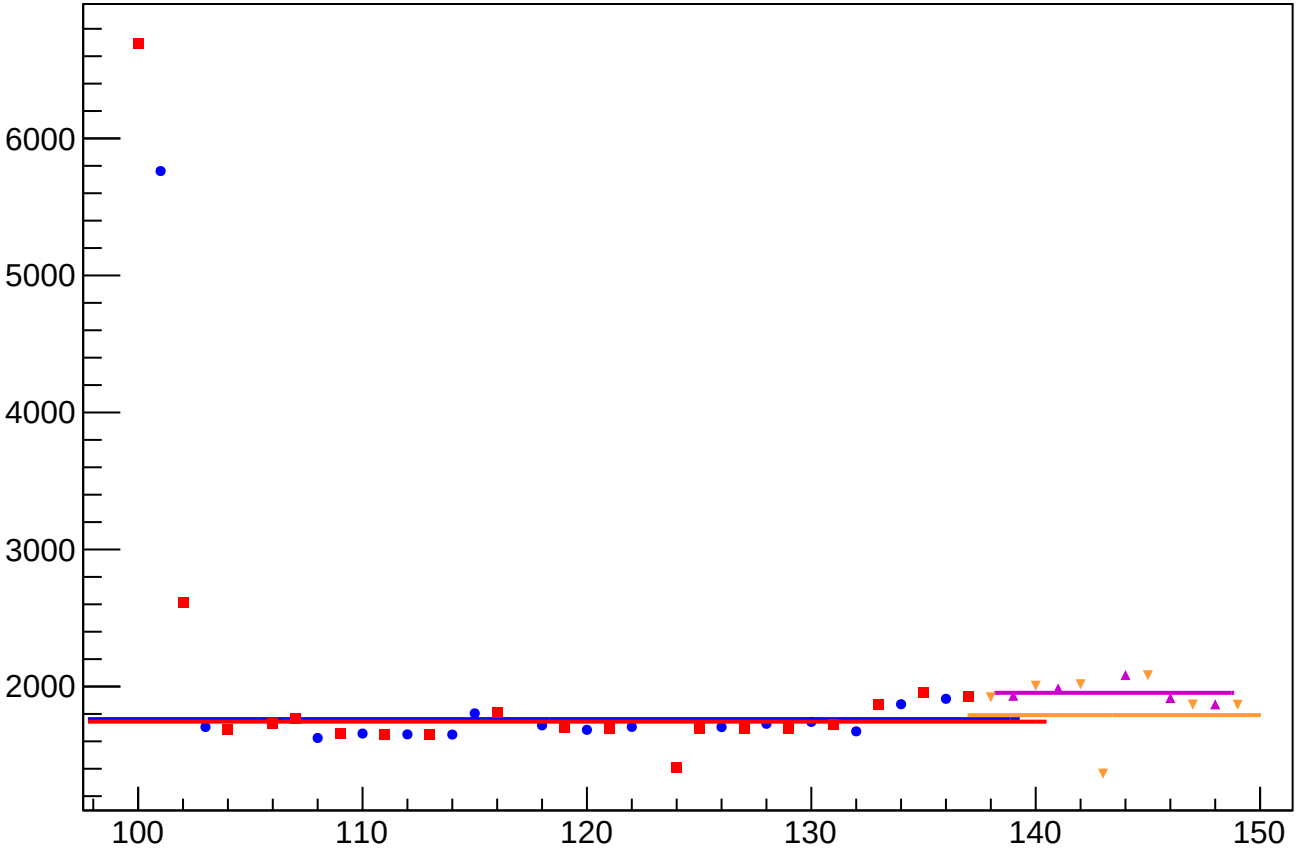
Left In: -574.576+/-934.977 χ^2/NDF:6.8/4

+ sign 222.288+/-509.723 χ^2/NDF: 27.0/22

All: -38.395+/-369.419 χ^2/NDF: 44.2/46

- 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: 1791.430+/-0.554 χ^2/NDF:234544.3/6

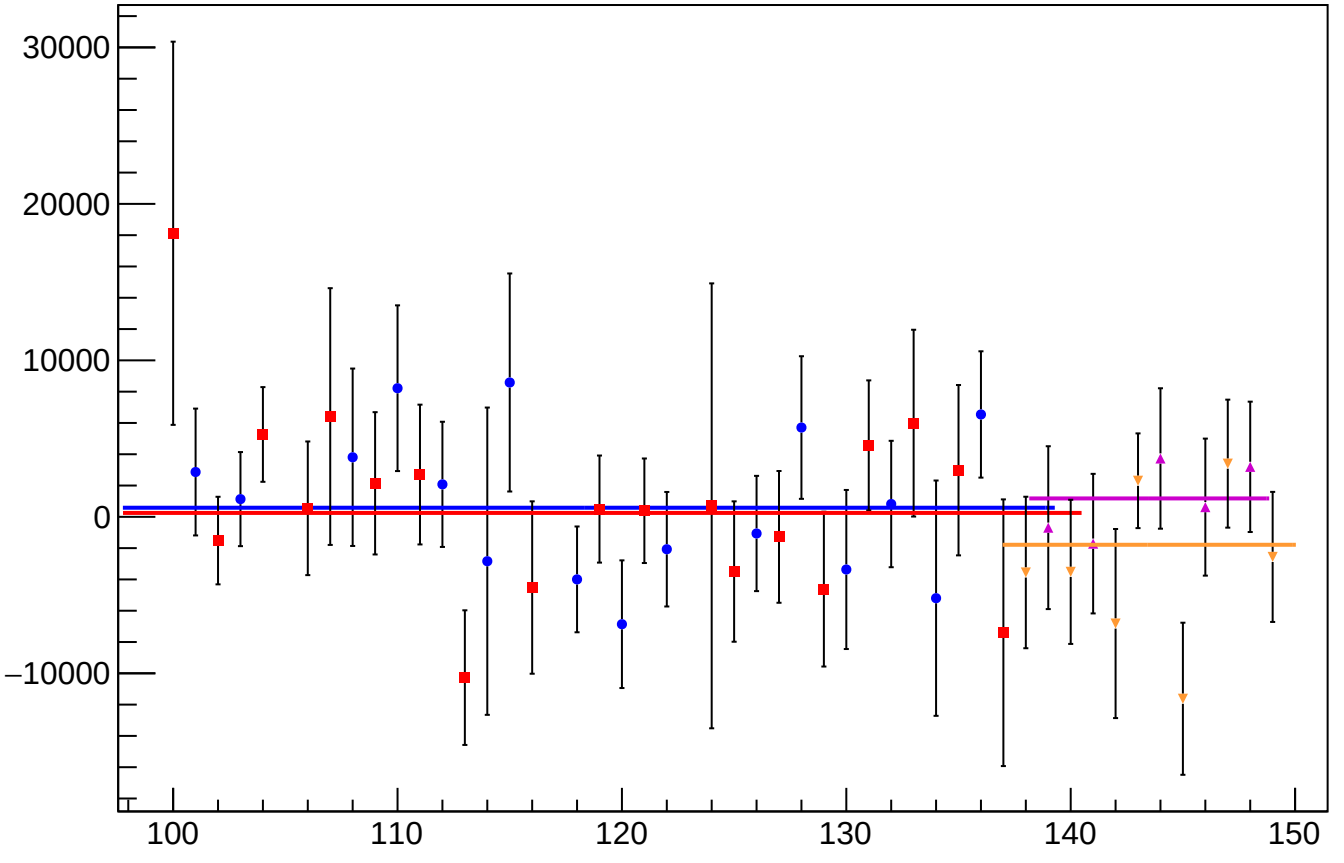
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1954.054+/-0.661 χ^2/NDF:11774.2/4

+ sign 1774.508+/-0.360 χ^2/NDF: 903863.5/22

All: 1792.638+/-0.261 χ^2/NDF: 1216777.9/46

- 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: -1785.575+/-1608.797 χ^2/NDF:8.5/6

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

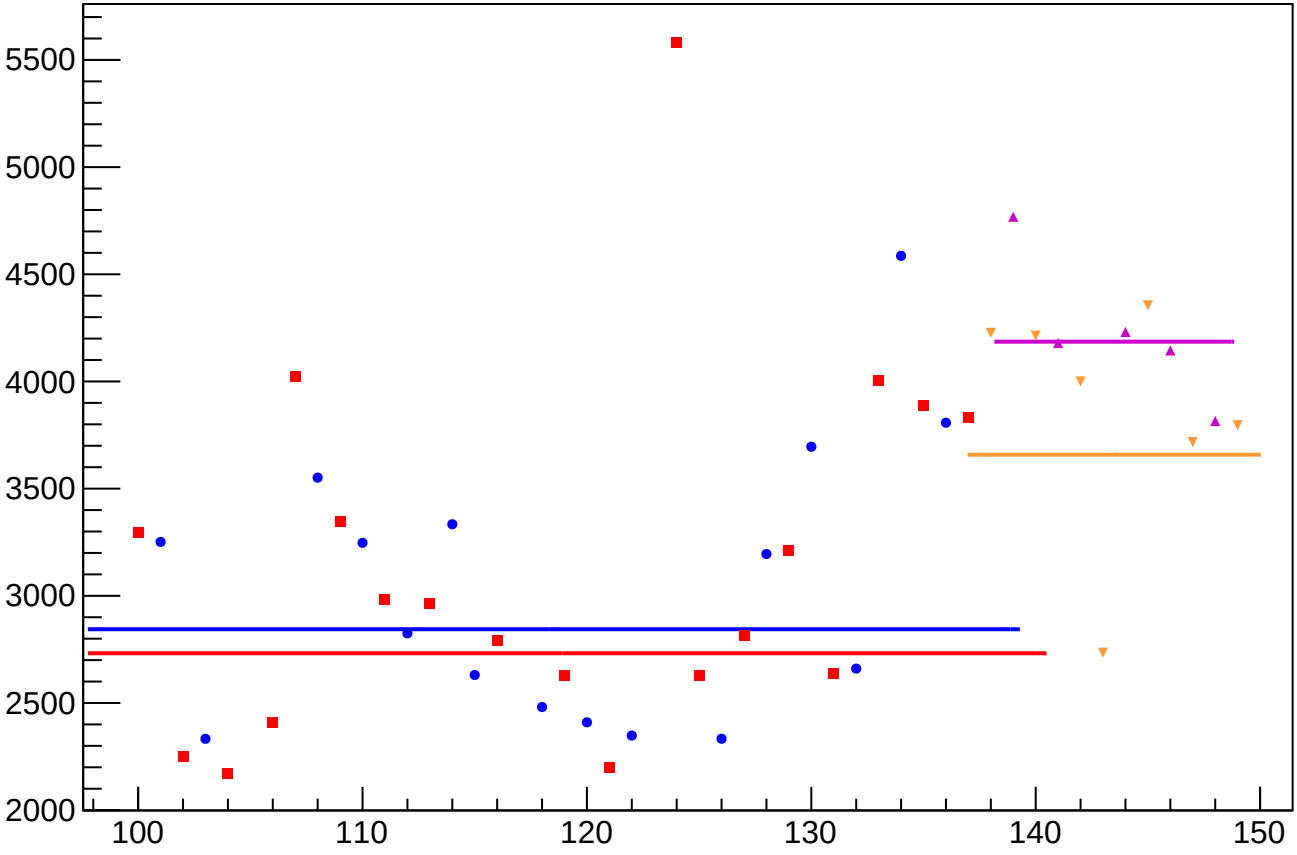
Left In: 1176.115+/-2013.456 χ^2/NDF:1.1/4

+ sign -154.740+/-897.534 χ^2/NDF: 24.9/22

All: 138.135+/-639.229 χ^2/NDF: 44.3/46

- 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: 3658.252+/-1.138 χ^2/NDF:293037.2/6

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

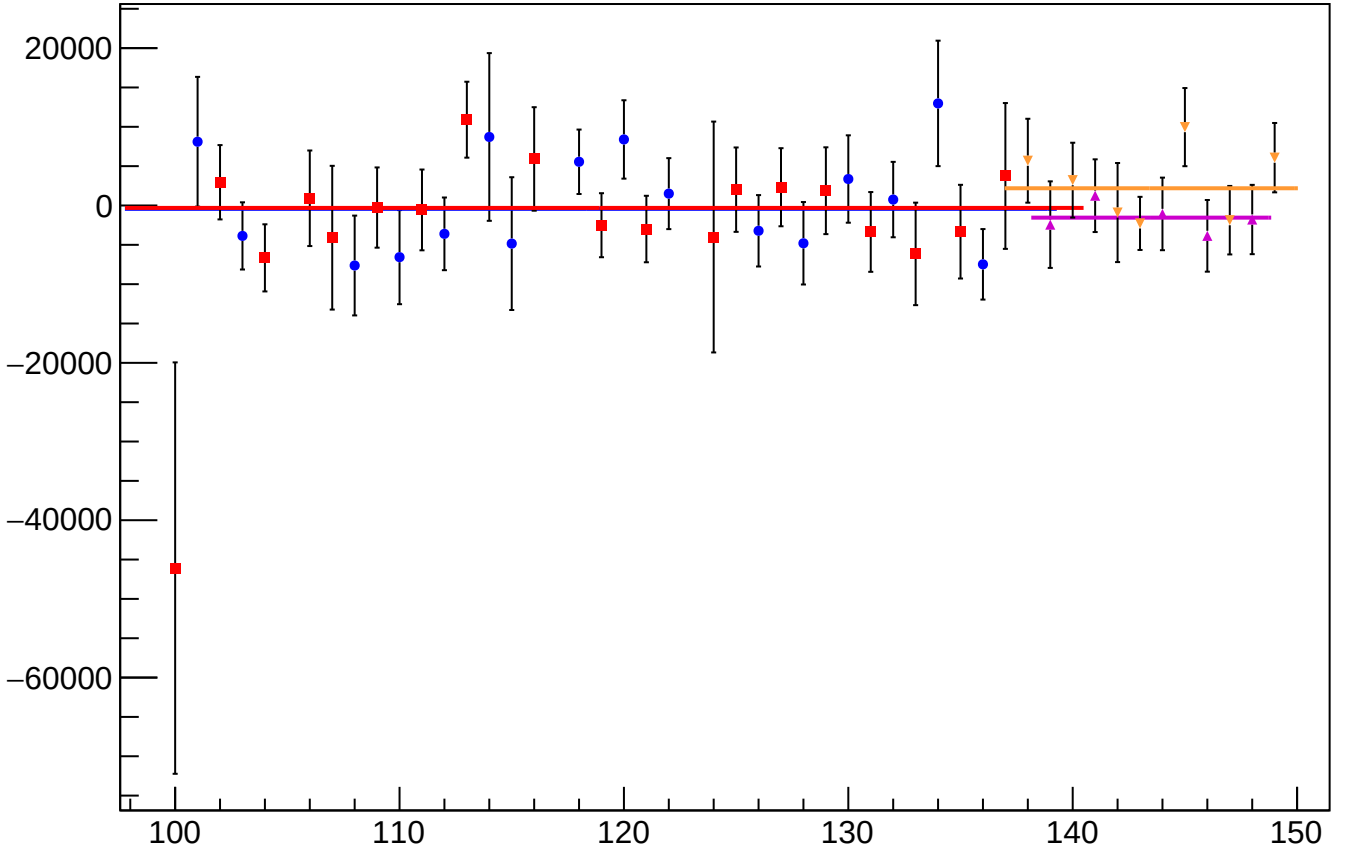
Left In: 4185.666+/-1.424 χ^2/NDF:41260.3/4

+ sign 3097.530+/-0.635 χ^2/NDF: 1187815.1/22

All: 3063.918+/-0.452 χ^2/NDF: 2675331.1/46

- 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: 2188.999+/-1722.278 χ^2/NDF:6.6/6

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

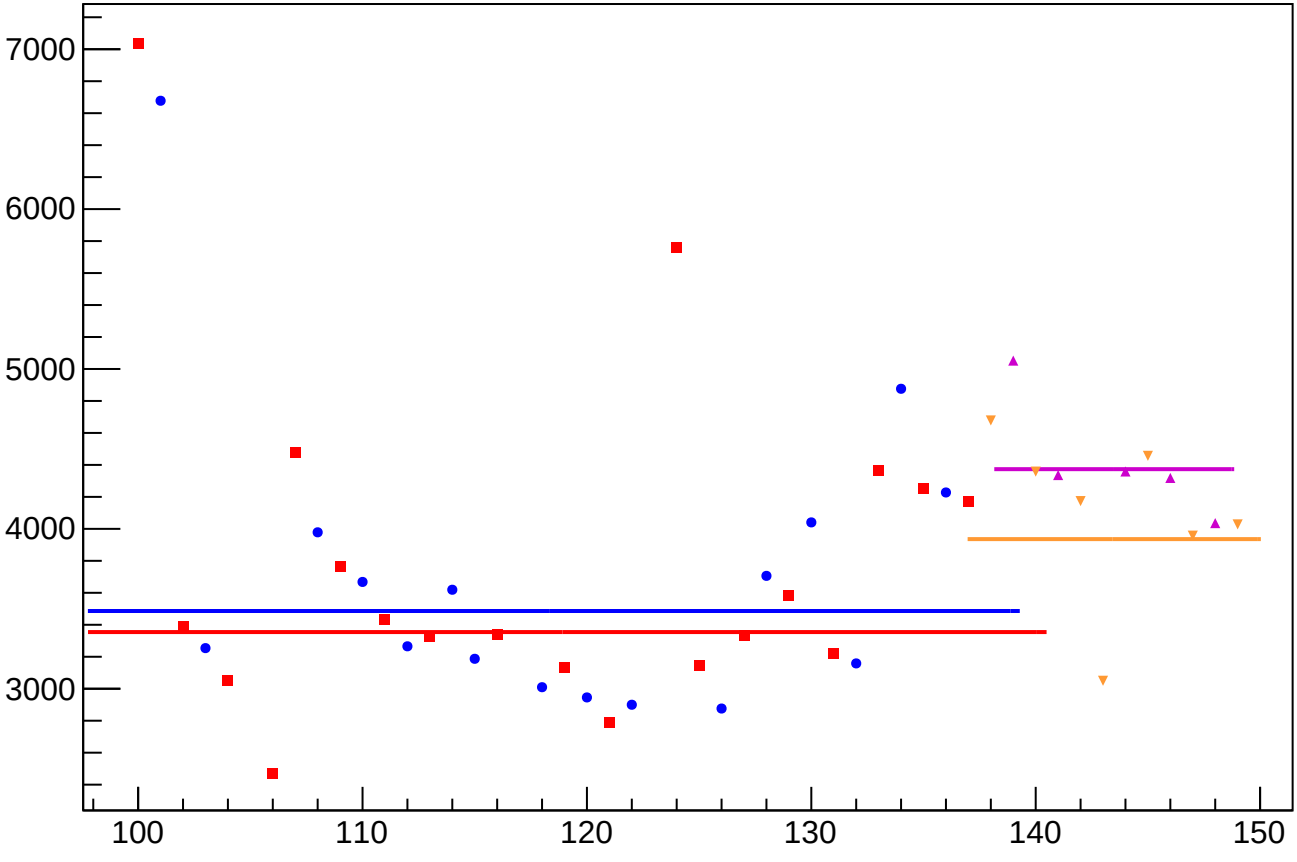
Left In: -1545.155+/-2100.439 χ^2/NDF:0.7/4

+ sign 550.157+/-1051.300 χ^2/NDF: 25.9/22

All: -23.826+/-756.814 χ^2/NDF: 42.7/46

- 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: 3935.850+/-1.218 χ^2/NDF:218088.4/6

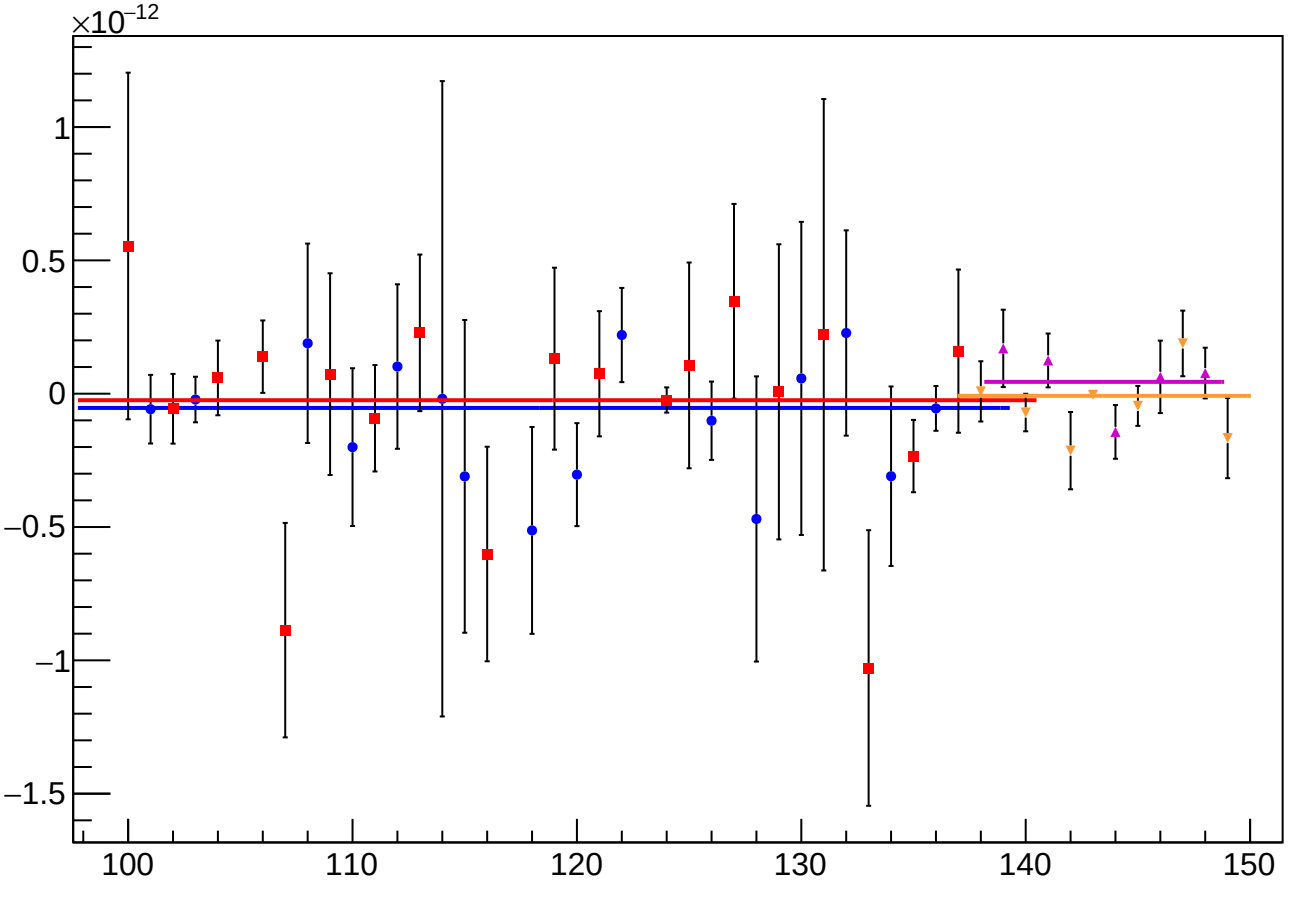
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4373.369+/-1.485 χ^2/NDF:42658.2/4

+ sign 3653.720+/-0.743 χ^2/NDF: 899421.5/22

All: 3638.963+/-0.532 χ^2/NDF: 1665729.0/46

- sign 3623.413+/-0.763 χ^2/NDF: 765498.2/23



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/6

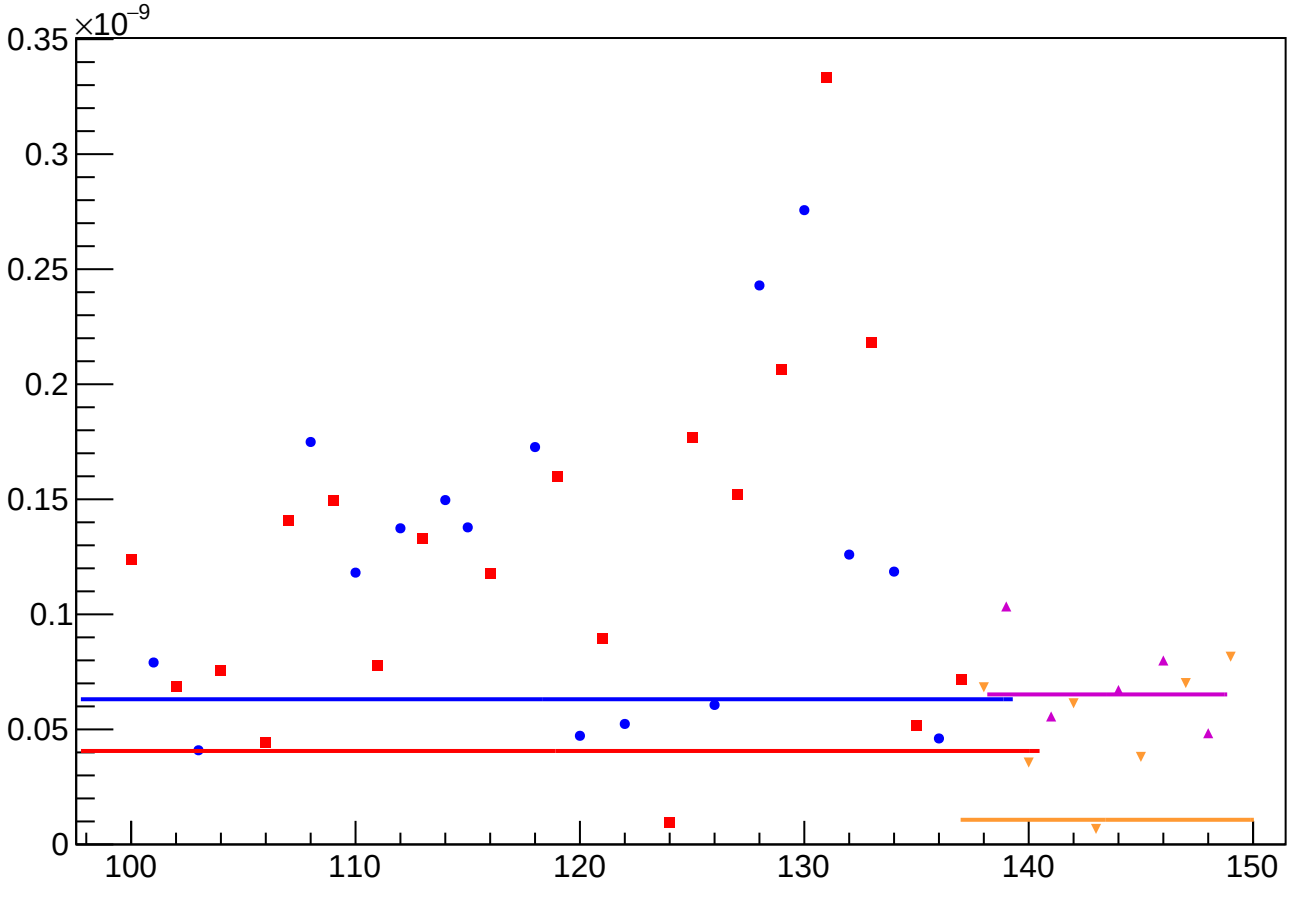
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 16.4/22

All: -0.000+/-0.000 χ^2/NDF: 41.1/46

- sign -0.000+/-0.000 χ^2/NDF: 24.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2379115.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

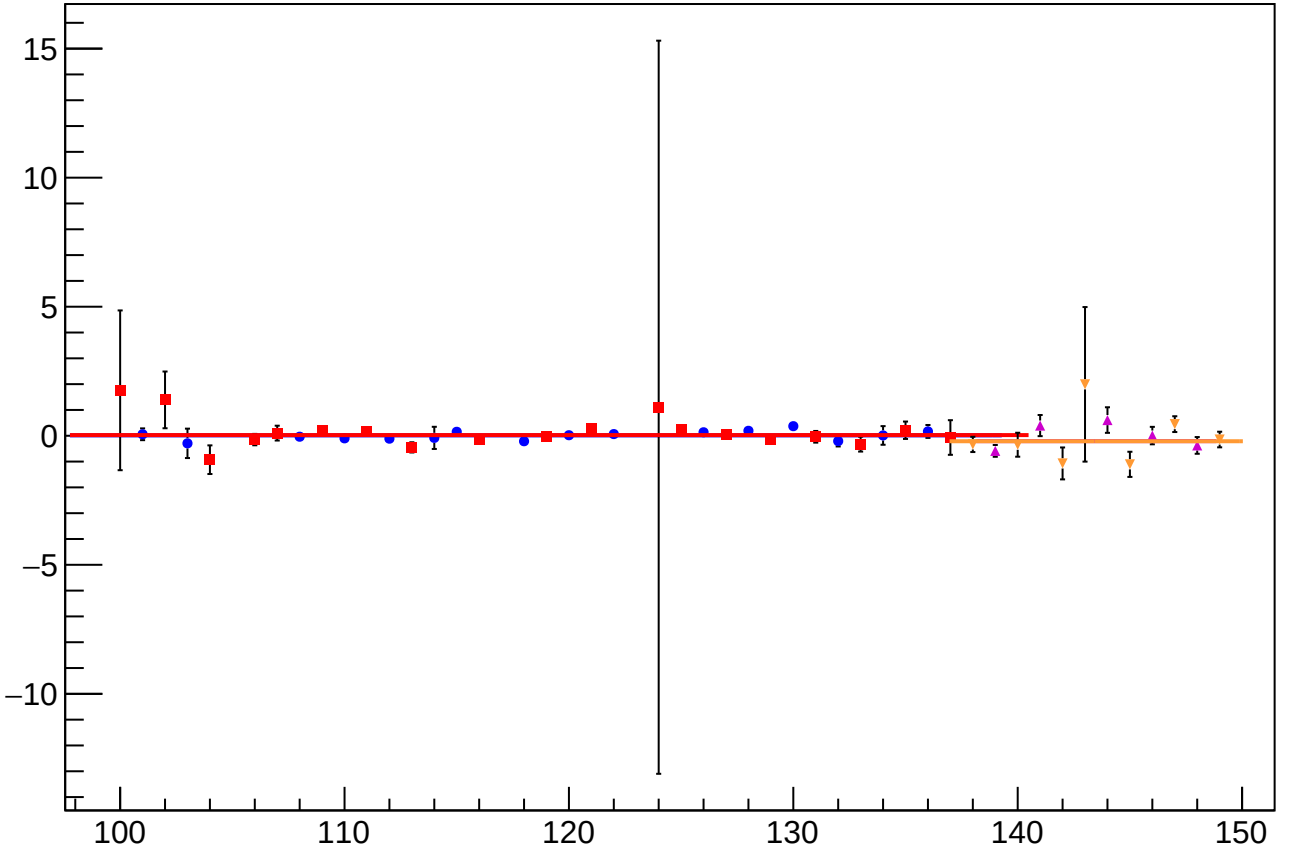
Left In: 0.000+/-0.000 χ^2/NDF:243942.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 6389832.6/22

All: 0.000+/-0.000 χ^2/NDF: 12577082.2/46

- 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: -0.213+/-0.150 χ^2/NDF:10.8/6

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

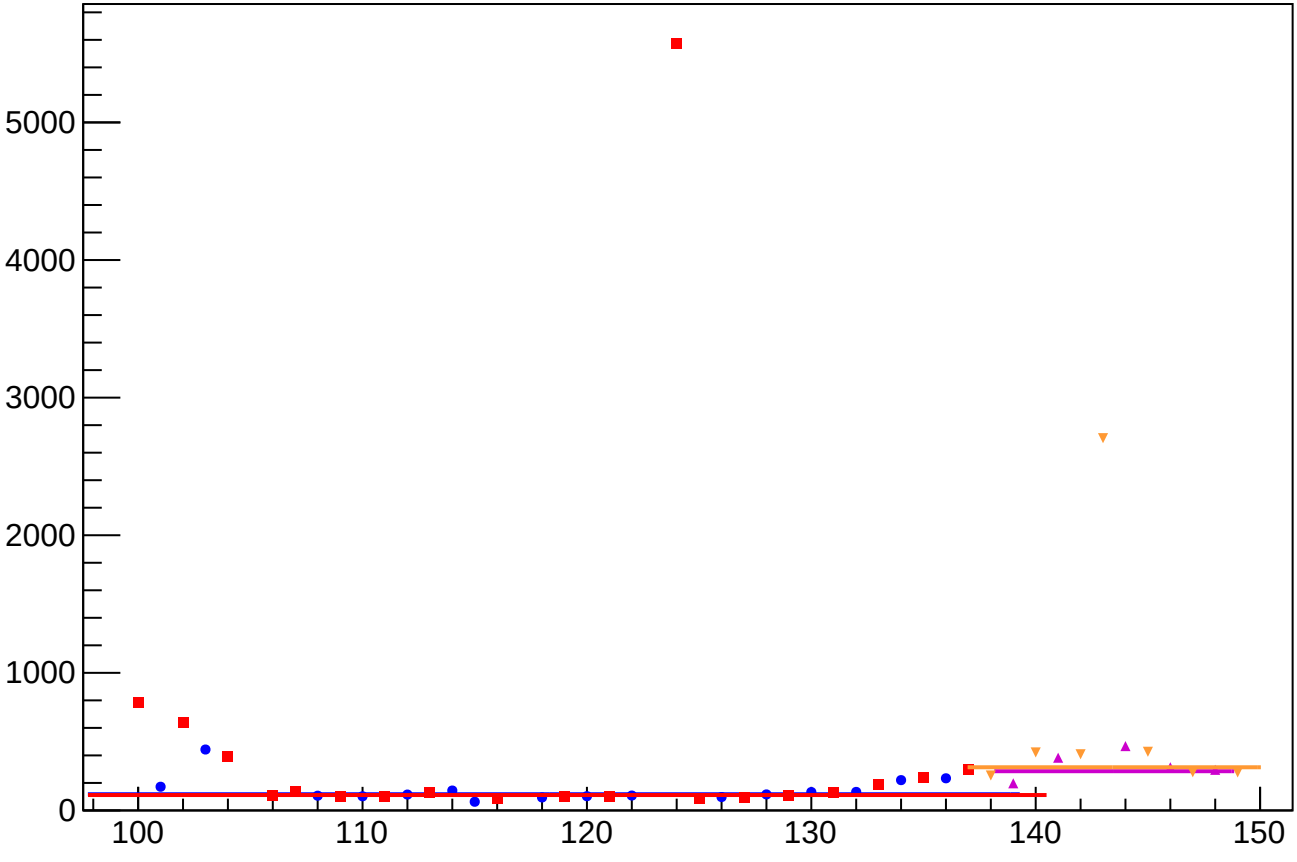
Left In: -0.208+/-0.145 χ^2/NDF:8.3/4

+ sign -0.006+/-0.046 χ^2/NDF: 24.8/22

All: -0.001+/-0.032 χ^2/NDF: 57.5/46

- 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: 313.826+/-0.106 χ^2/NDF:1678462.7/6

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

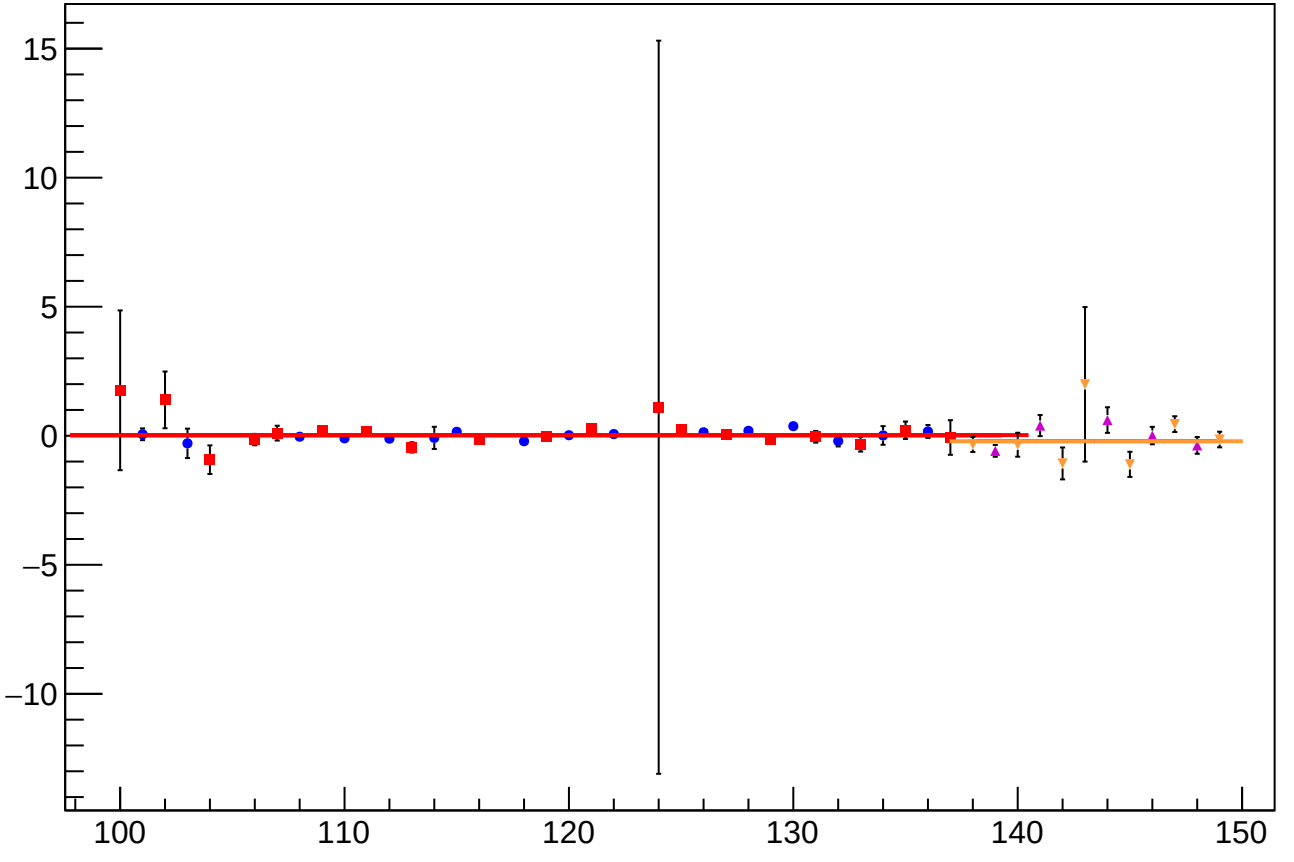
Left In: 285.223+/-0.103 χ^2/NDF:697949.1/4

+ sign 135.883+/-0.032 χ^2/NDF: 6519792.0/22

All: 132.074+/-0.023 χ^2/NDF: 12004882.6/46

- 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: -0.213+/-0.150 χ^2/NDF:10.8/6

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

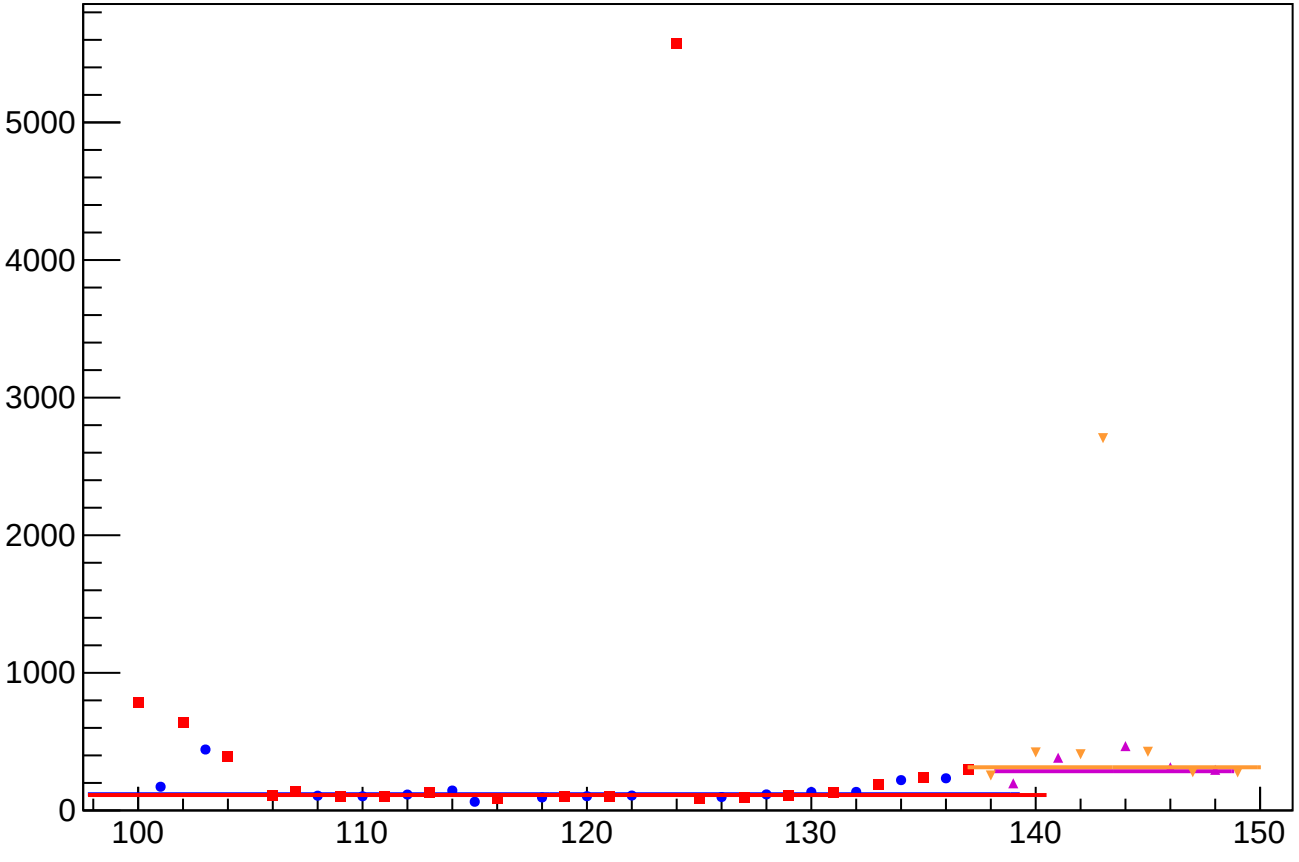
Left In: -0.208+/-0.145 χ^2/NDF:8.3/4

+ sign -0.006+/-0.046 χ^2/NDF: 24.8/22

All: -0.001+/-0.032 χ^2/NDF: 57.5/46

- 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: 313.826+/-0.106 χ^2/NDF:1678462.7/6

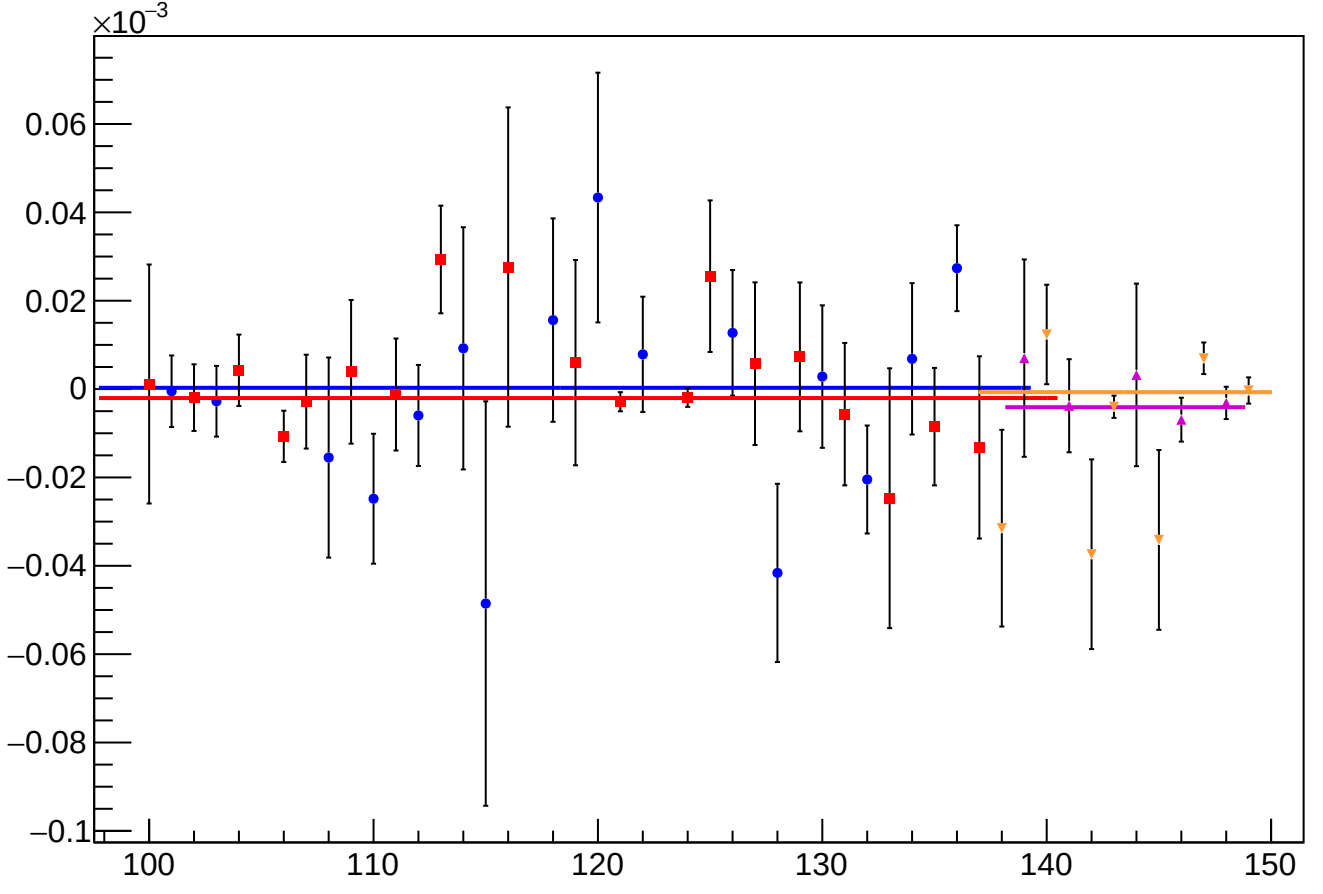
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 285.223+/-0.103 χ^2/NDF:697949.1/4

+ sign 135.883+/-0.032 χ^2/NDF: 6519792.0/22

All: 132.074+/-0.023 χ^2/NDF: 12004882.6/46

- 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:15.2/6

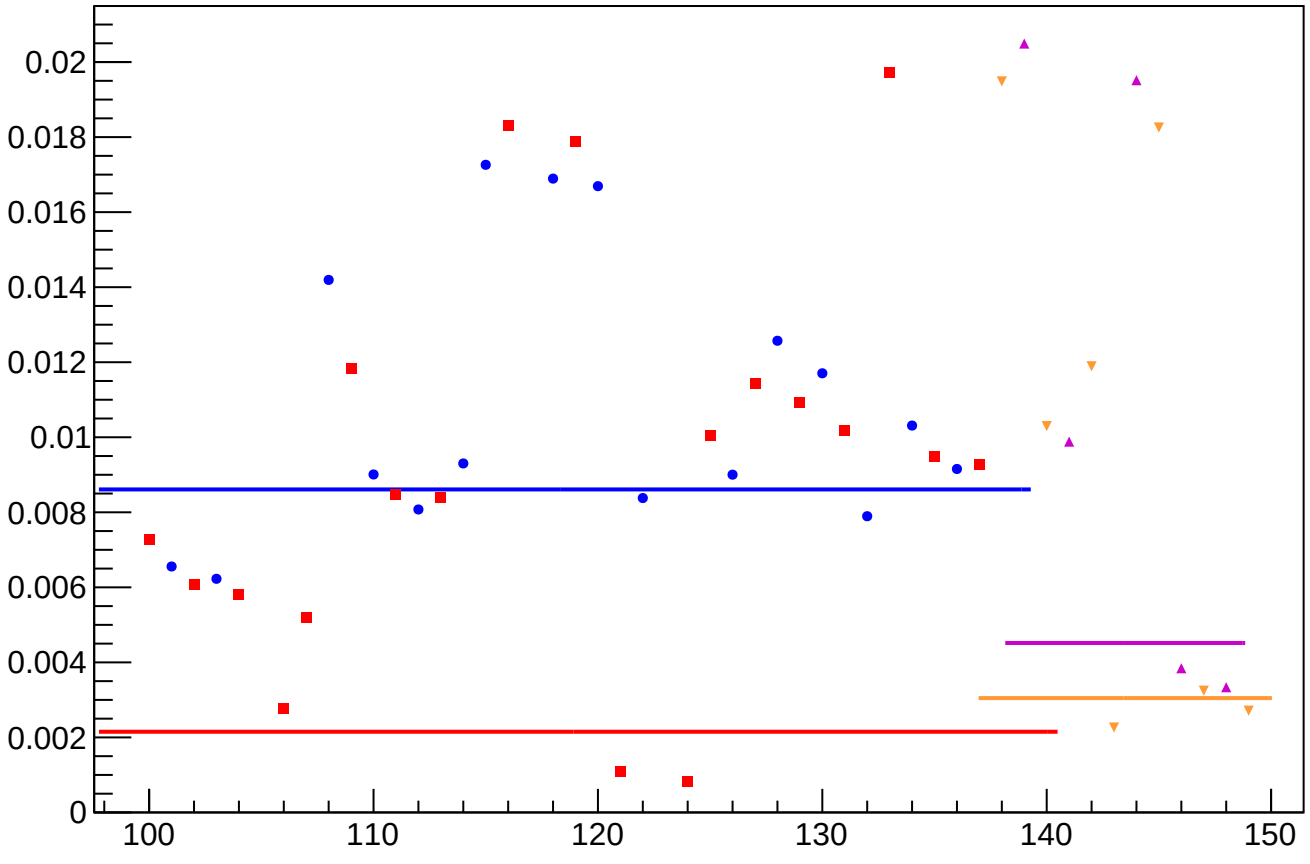
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/22

All: -0.000+/-0.000 χ^2/NDF: 56.4/46

- sign -0.000+/-0.000 χ^2/NDF: 16.0/23



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:3600382.2/6

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

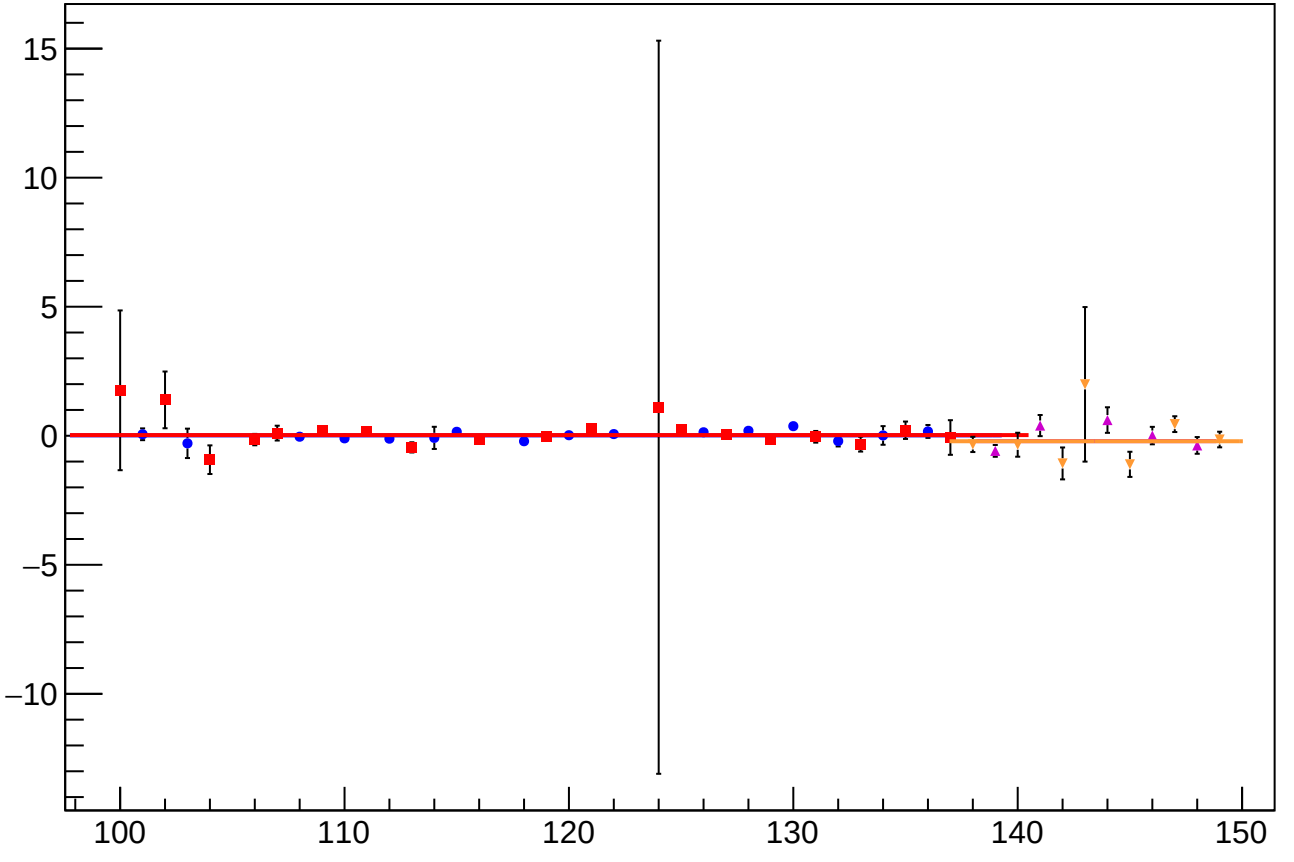
Left In: 0.005+/-0.000 χ^2/NDF:2840632.5/4

+ sign 0.004+/-0.000 χ^2/NDF: 9092480.7/22

All: 0.003+/-0.000 χ^2/NDF: 23475677.0/46

- 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: -0.213+/-0.150 χ^2/NDF:10.9/6

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

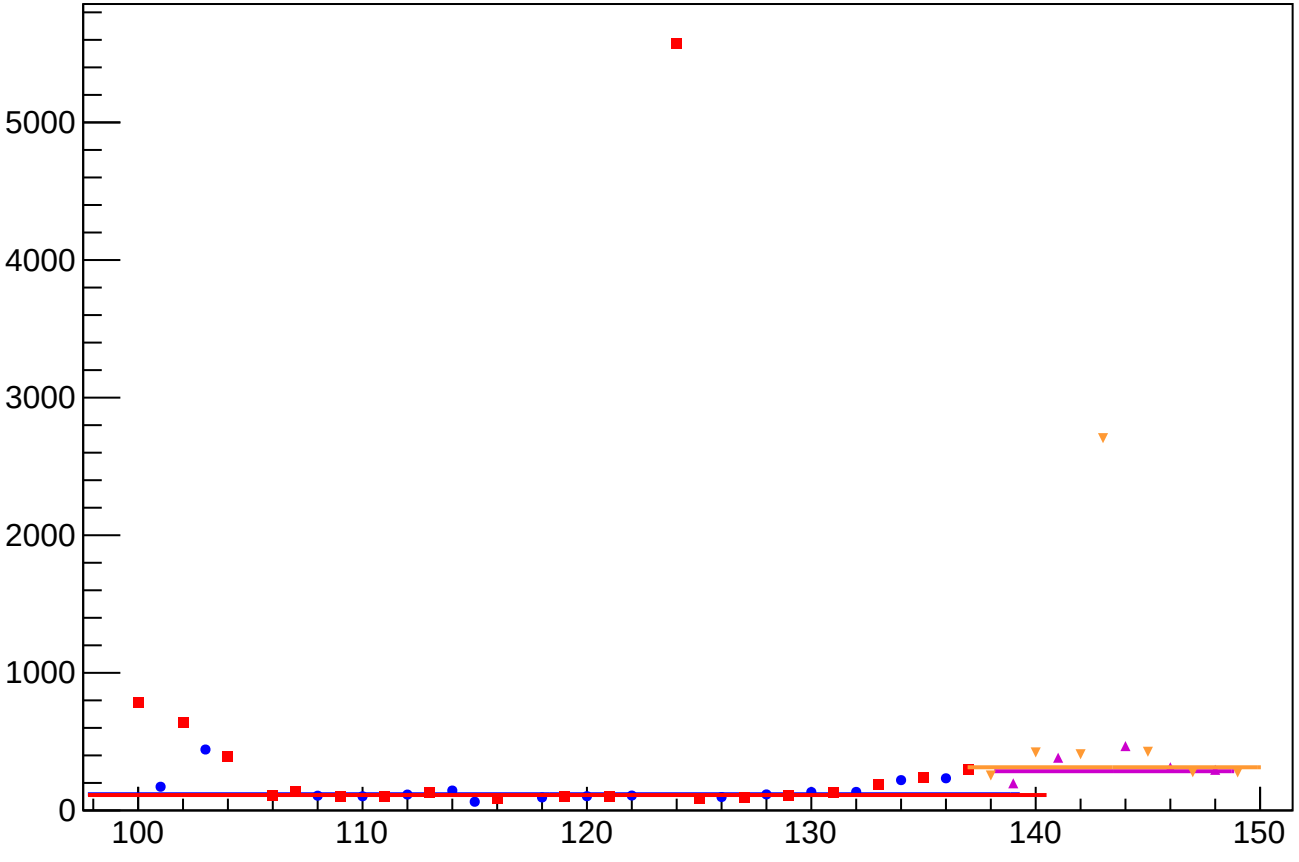
Left In: -0.208+/-0.145 χ^2/NDF:8.3/4

+ sign -0.006+/-0.046 χ^2/NDF: 24.8/22

All: -0.001+/-0.032 χ^2/NDF: 57.5/46

- 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: 313.828+/-0.106 χ^2/NDF:1678484.5/6

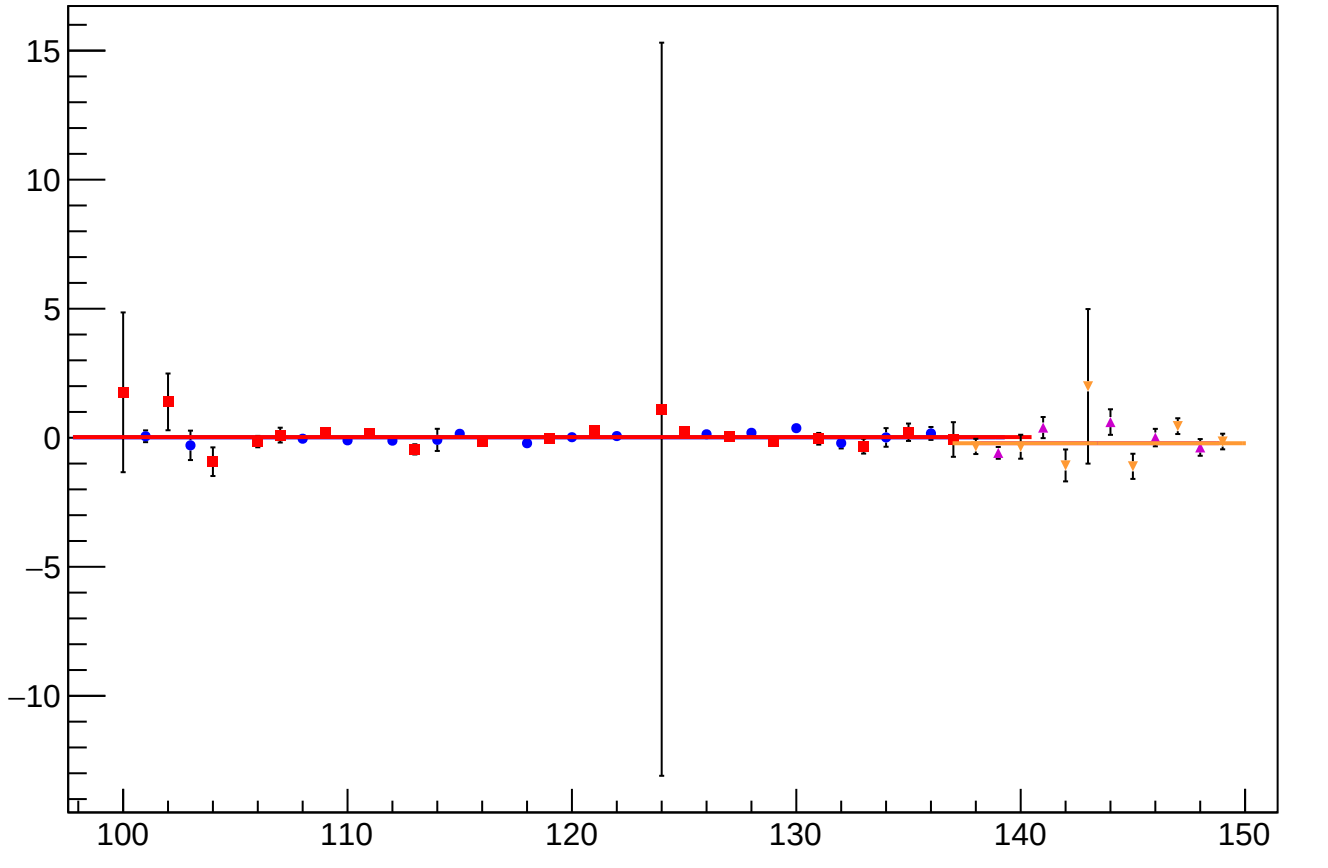
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 285.227+/-0.103 χ^2/NDF:697933.3/4

+ sign 135.883+/-0.032 χ^2/NDF: 6519804.3/22

All: 132.075+/-0.023 χ^2/NDF: 12004796.4/46

- 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: -0.213+/-0.150 χ^2/NDF:10.9/6

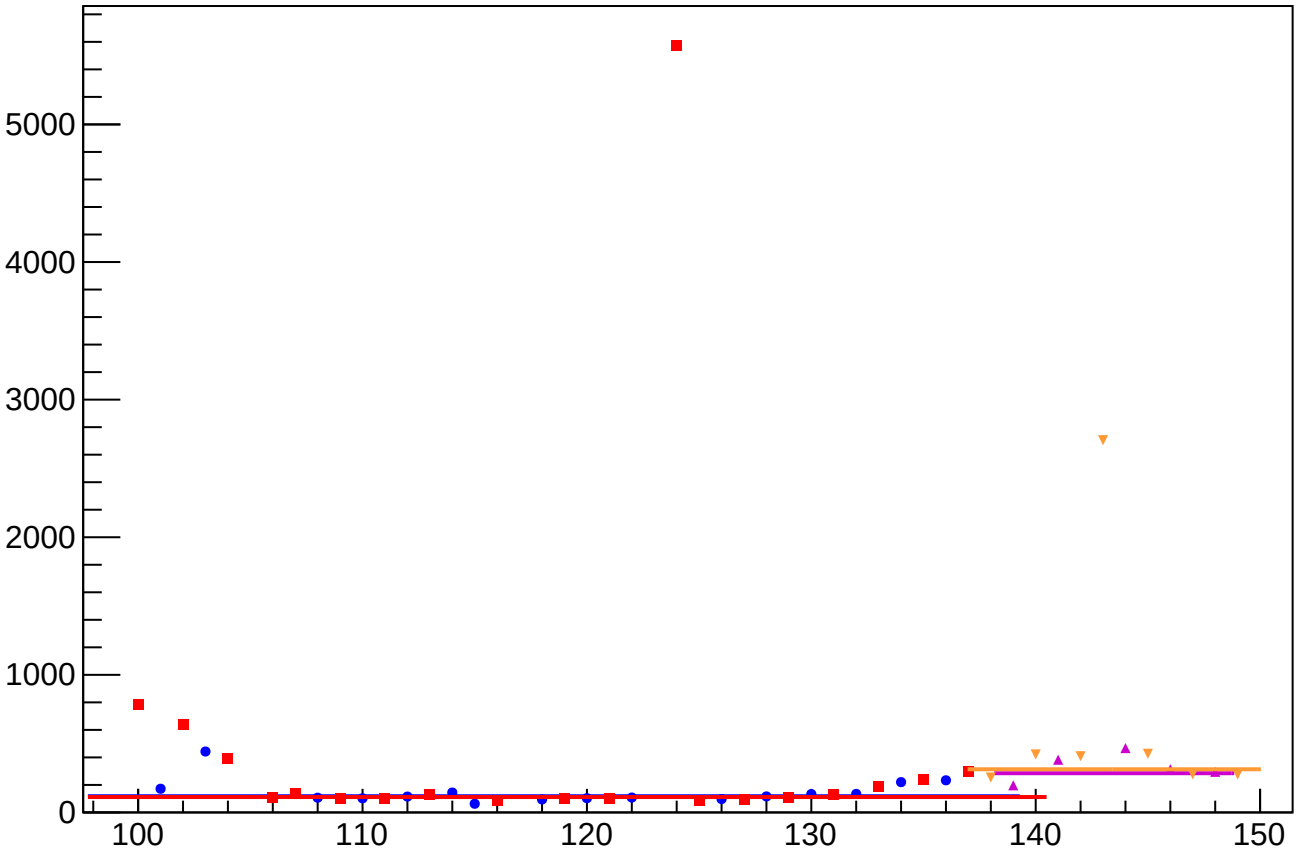
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.208+/-0.145 χ^2/NDF:8.3/4

+ sign -0.006+/-0.046 χ^2/NDF: 24.8/22

All: -0.001+/-0.032 χ^2/NDF: 57.5/46

- 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: 313.828+/-0.106 χ^2/NDF:1678484.5/6

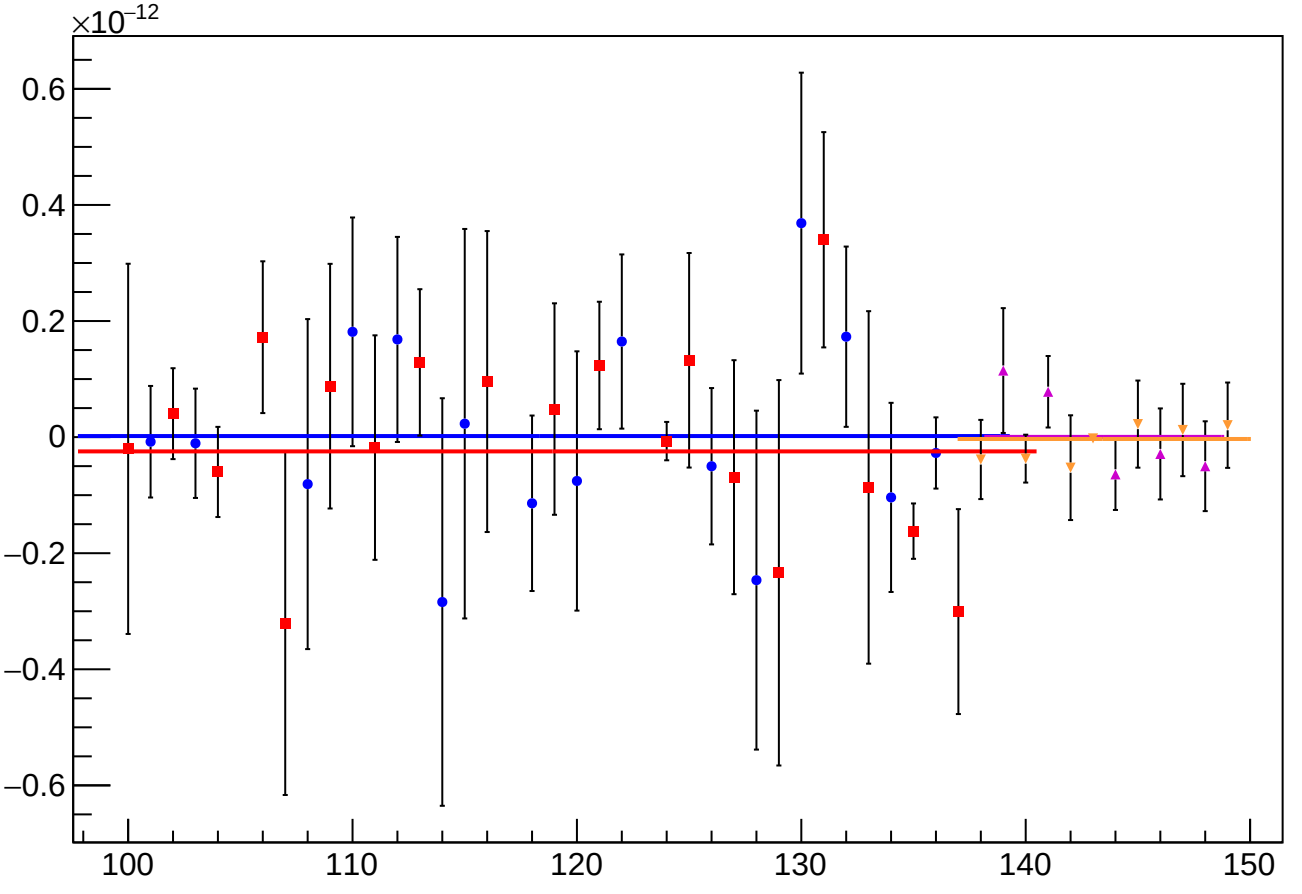
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 285.227+/-0.103 χ^2/NDF:697933.3/4

+ sign 135.883+/-0.032 χ^2/NDF: 6519804.3/22

All: 132.075+/-0.023 χ^2/NDF: 12004796.4/46

- 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:1.5/6

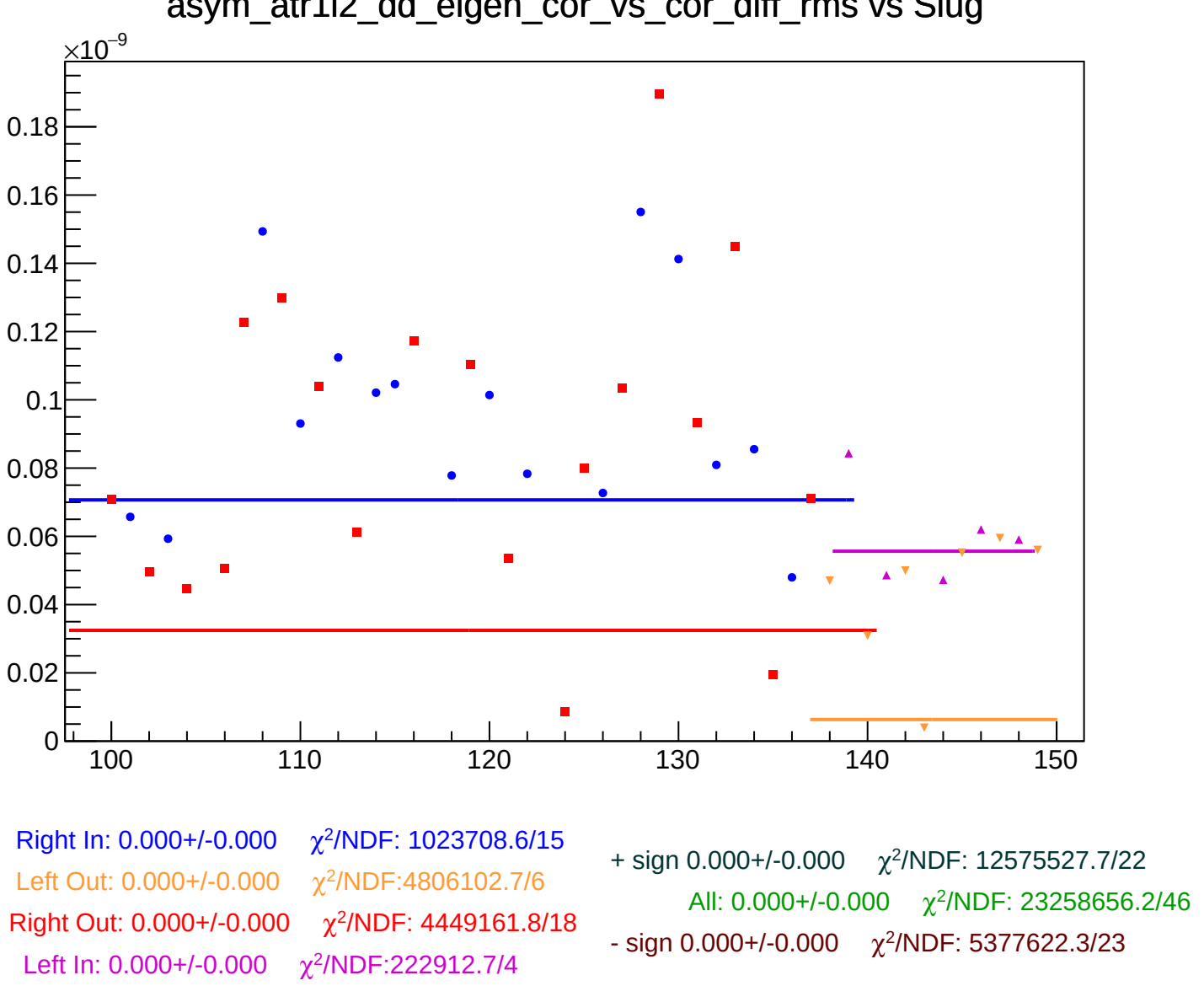
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/4

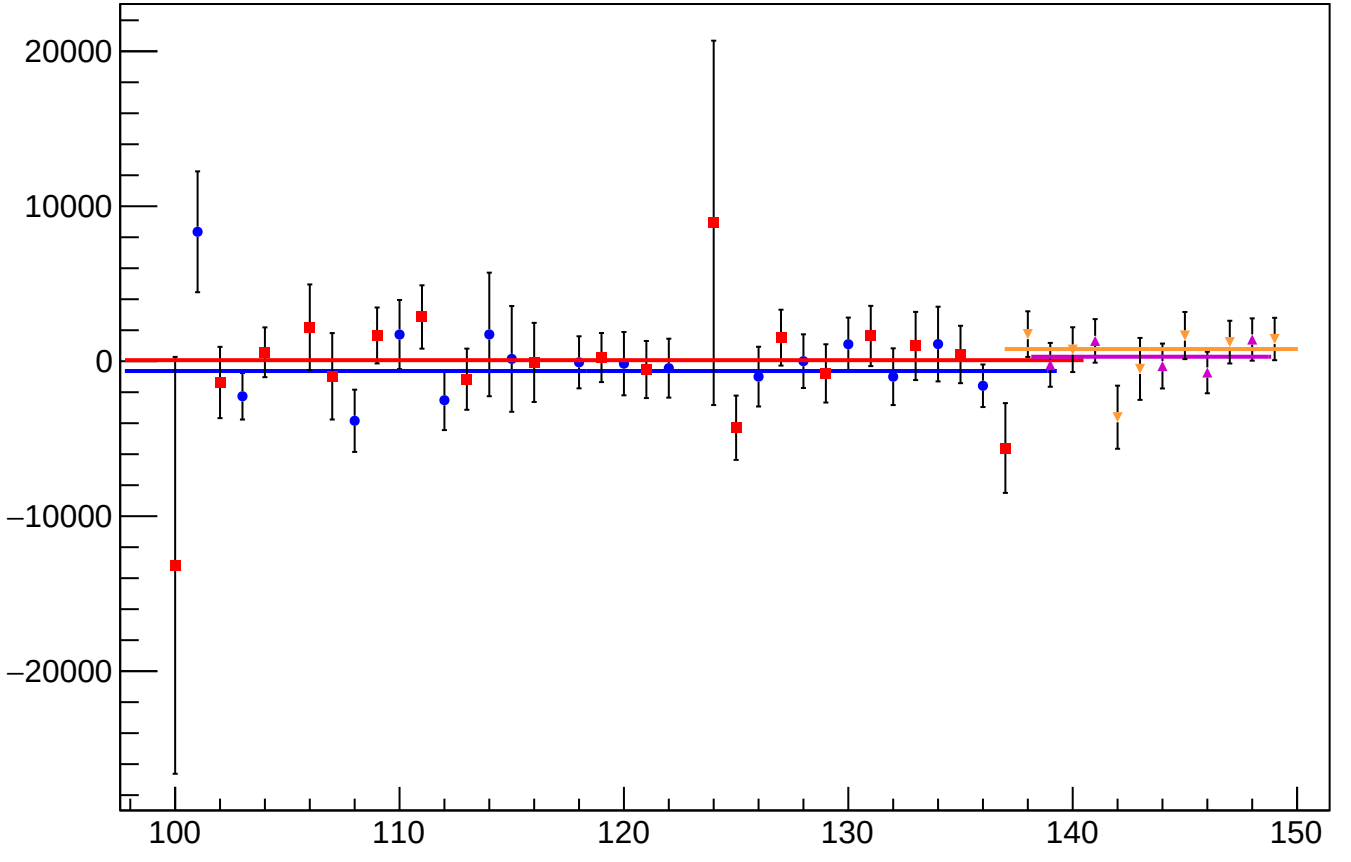
+ sign -0.000+/-0.000 χ^2/NDF: 10.7/22

All: -0.000+/-0.000 χ^2/NDF: 40.2/46

- sign -0.000+/-0.000 χ^2/NDF: 29.0/23


asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1023708.6/15
Left Out: 0.000+/-0.000 χ²/NDF:4806102.7/6
Right Out: 0.000+/-0.000 χ²/NDF: 4449161.8/18
Left In: 0.000+/-0.000 χ²/NDF:222912.7/4
+ sign 0.000+/-0.000 χ²/NDF: 12575527.7/22
All: 0.000+/-0.000 χ²/NDF: 23258656.2/46
- sign 0.000+/-0.000 χ²/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: 786.631+/-584.802 χ^2/NDF:6.2/6

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

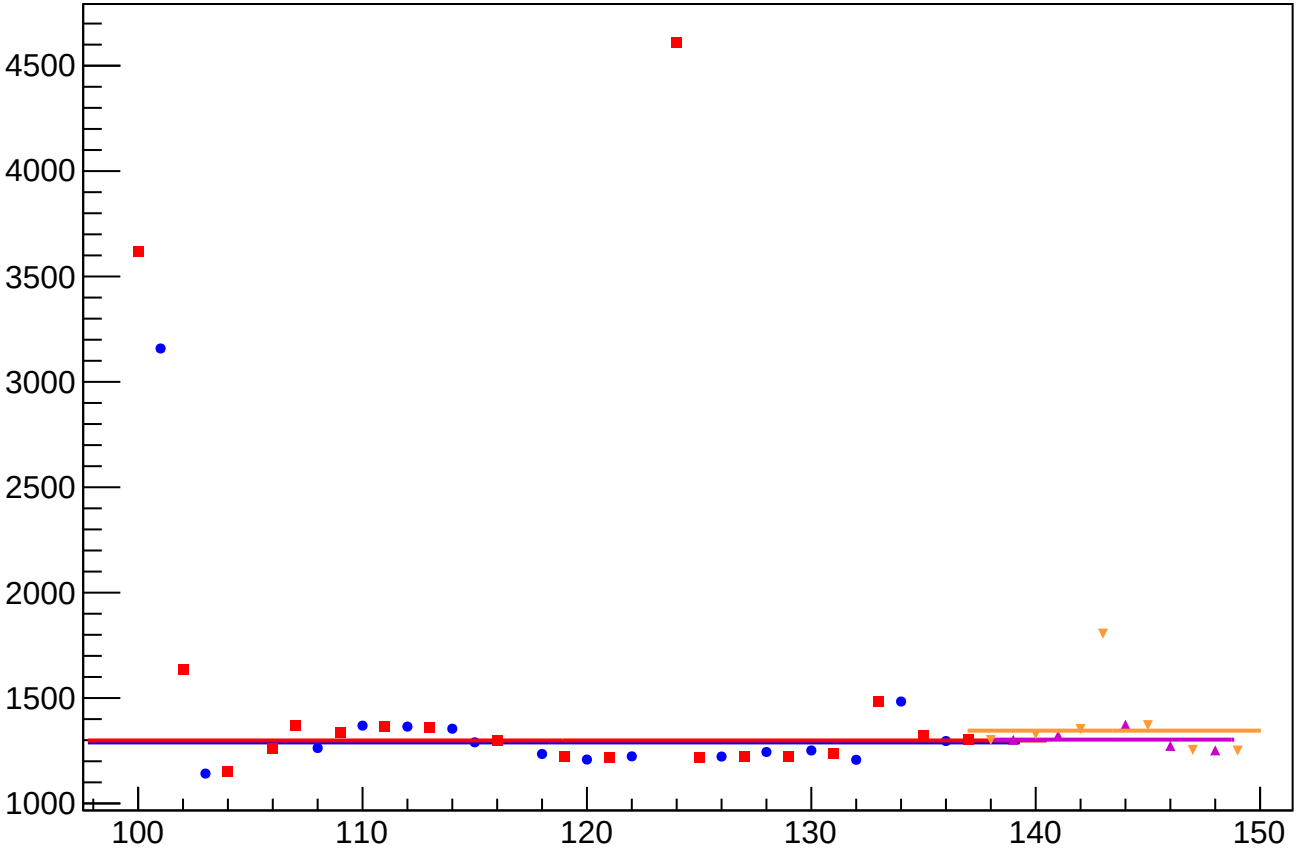
Left In: 290.048+/-623.108 χ^2/NDF:2.1/4

+ sign -48.162+/-374.982 χ^2/NDF: 23.5/22

All: 49.590+/-268.311 χ^2/NDF: 41.7/46

- 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: 1345.381+/-0.414 χ^2/NDF:127146.3/6

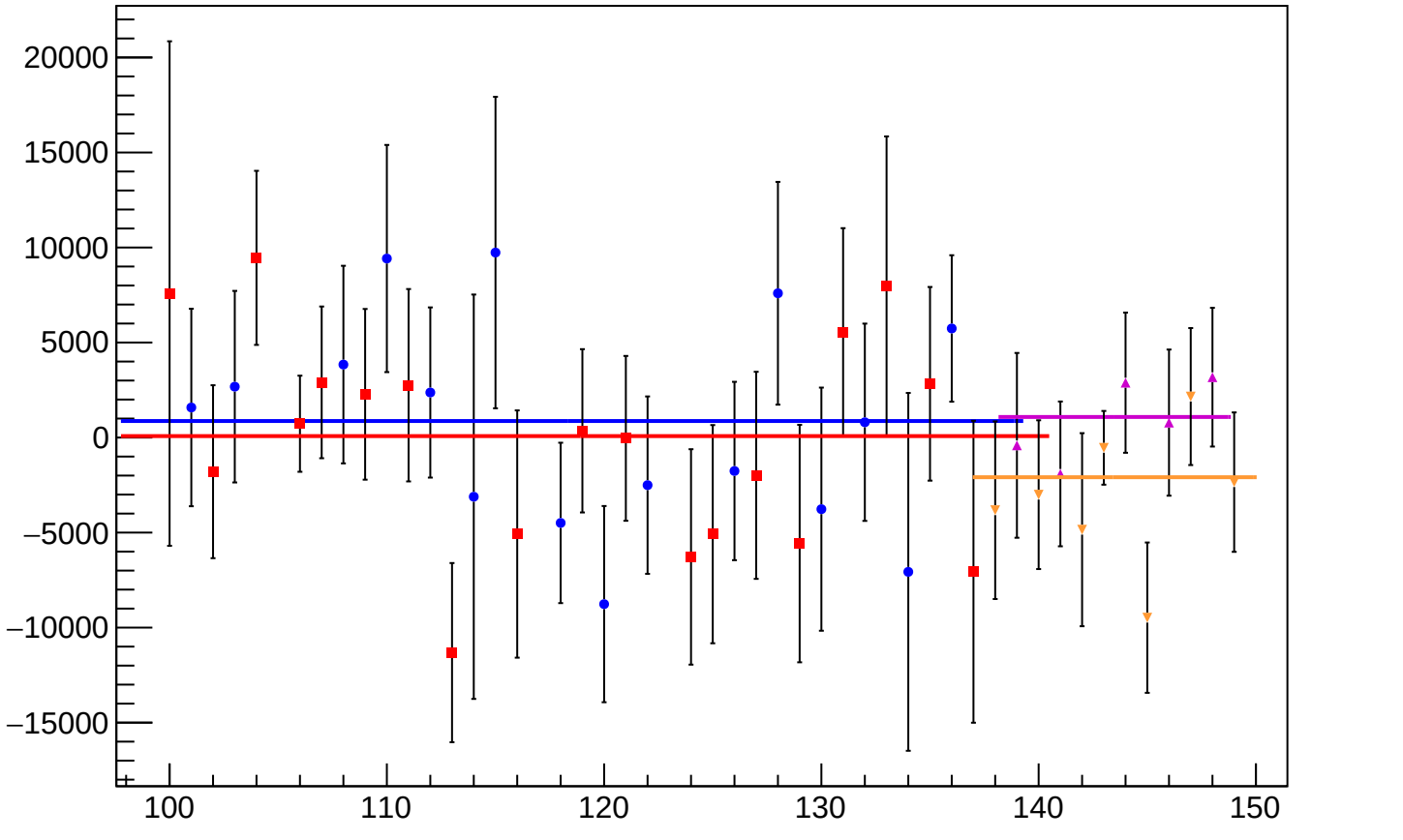
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1312.456+/-0.265 χ^2/NDF: 652587.7/22

All: 1306.449+/-0.190 χ^2/NDF: 982026.0/46

- 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: -2087.238+/-1259.002 χ^2/NDF:6.0/6

Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

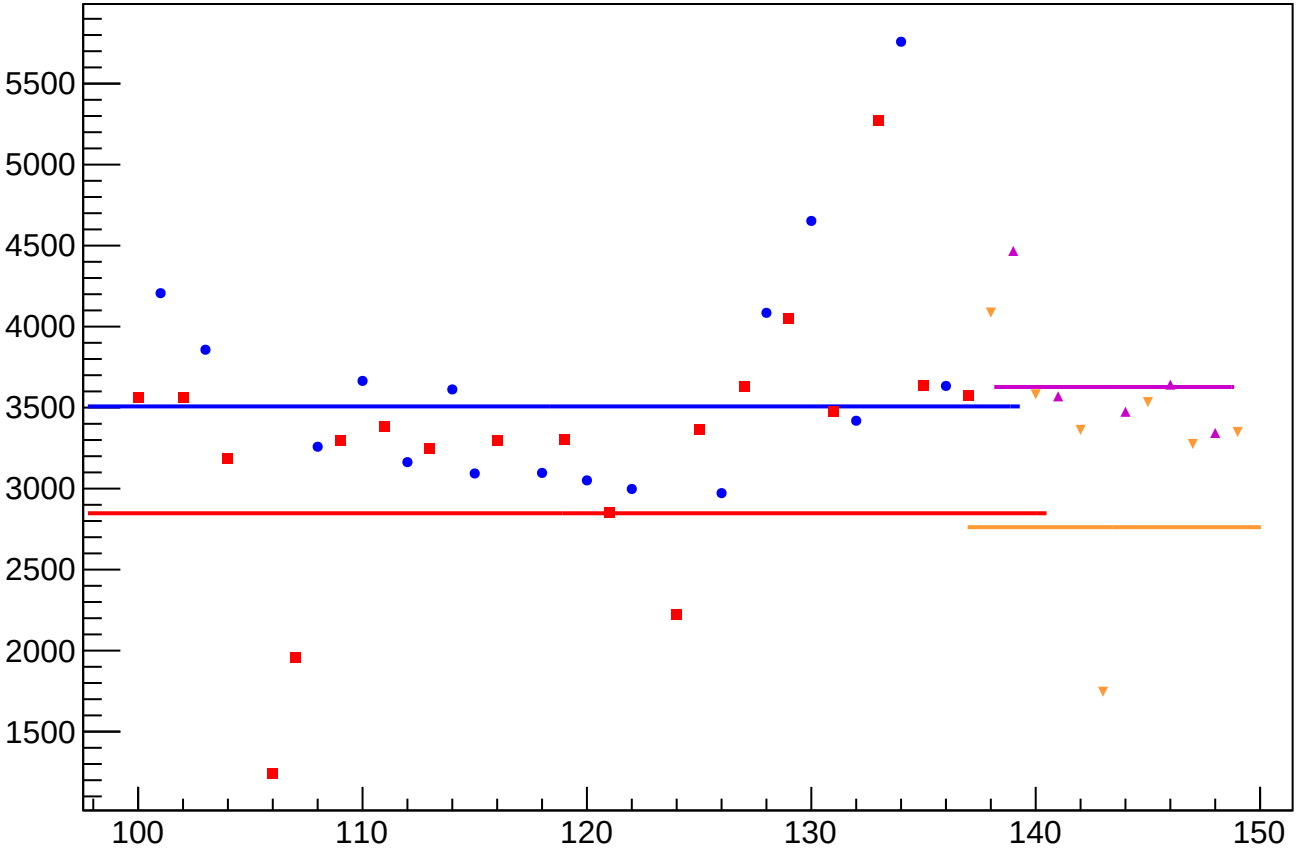
Left In: 1083.518+/-1747.502 χ^2/NDF:1.3/4

+ sign -684.271+/-912.780 χ^2/NDF: 22.7/22

All: -172.746+/-654.034 χ^2/NDF: 43.2/46

- sign 366.983+/-937.607 χ^2/NDF: 19.9/23

asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2761.911+/-0.890 χ^2/NDF:993241.5/6

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

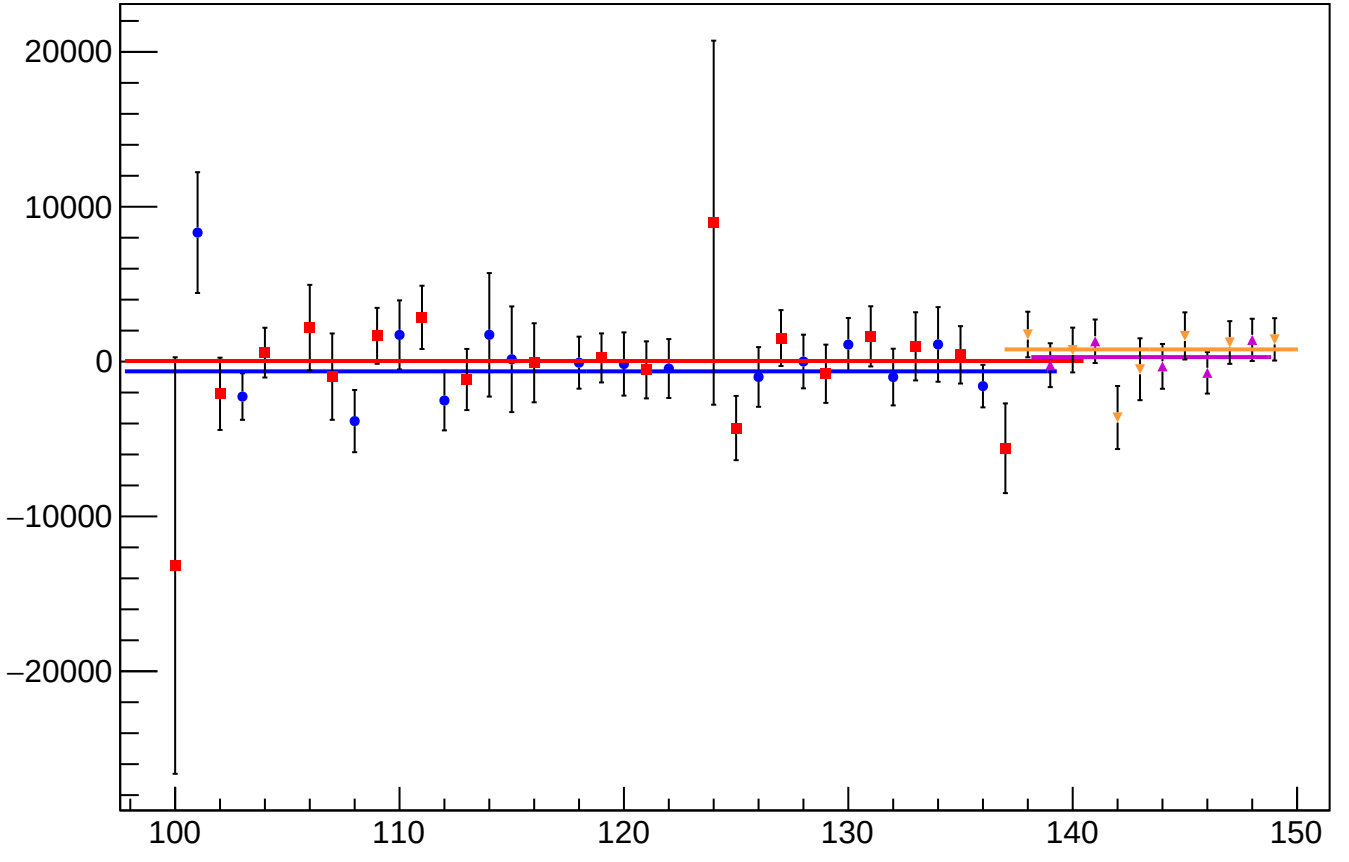
Left In: 3627.290+/-1.236 χ^2/NDF:75704.1/4

+ sign 3115.548+/-0.645 χ^2/NDF: 1679860.9/22

All: 3094.465+/-0.462 χ^2/NDF: 3540488.6/46

- sign 3072.220+/-0.663 χ^2/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: 786.523+/-584.802 χ^2/NDF:6.2/6

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

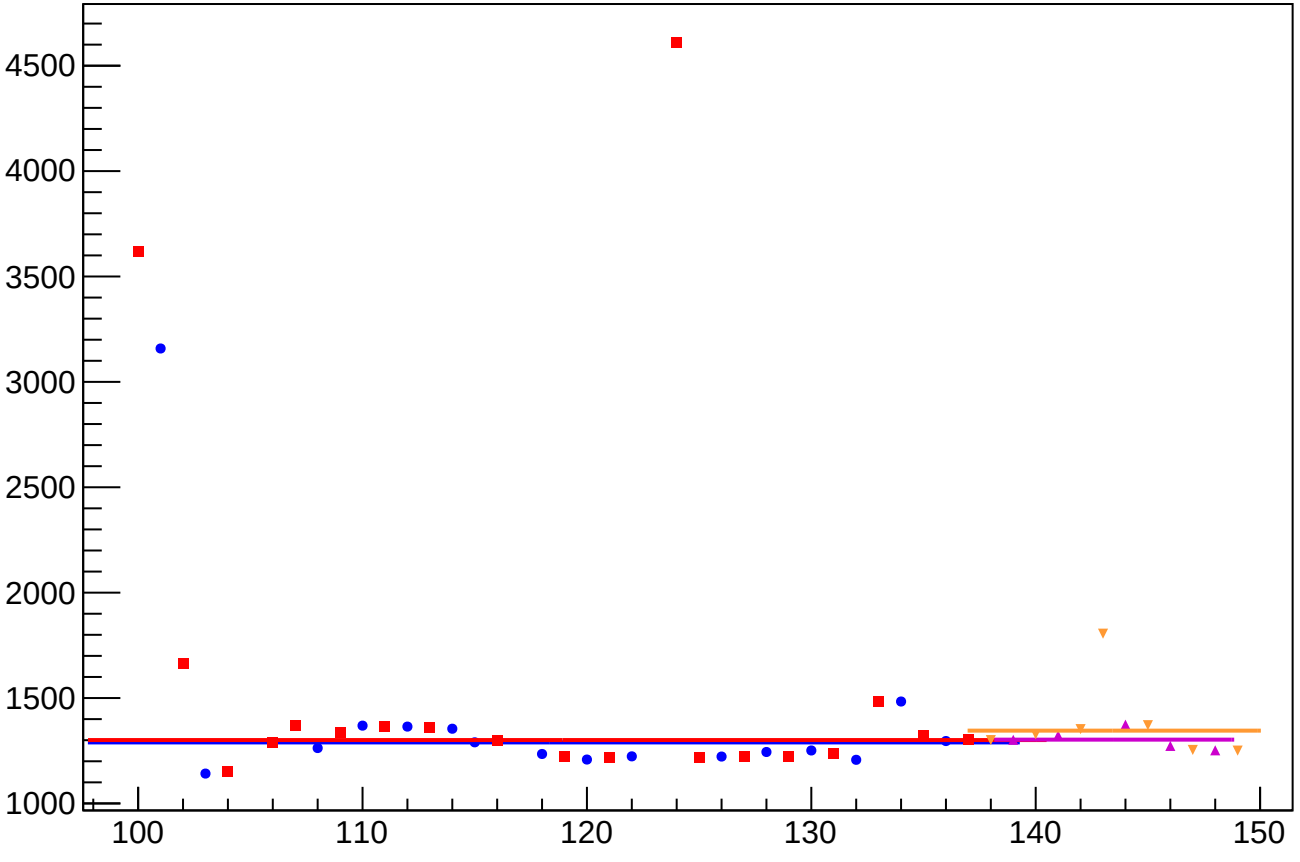
Left In: 290.063+/-623.108 χ^2/NDF:2.1/4

+ sign -48.433+/-374.982 χ^2/NDF: 23.5/22

All: 40.674+/-268.365 χ^2/NDF: 42.1/46

- 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: 1345.381+/-0.414 χ^2/NDF:127146.3/6

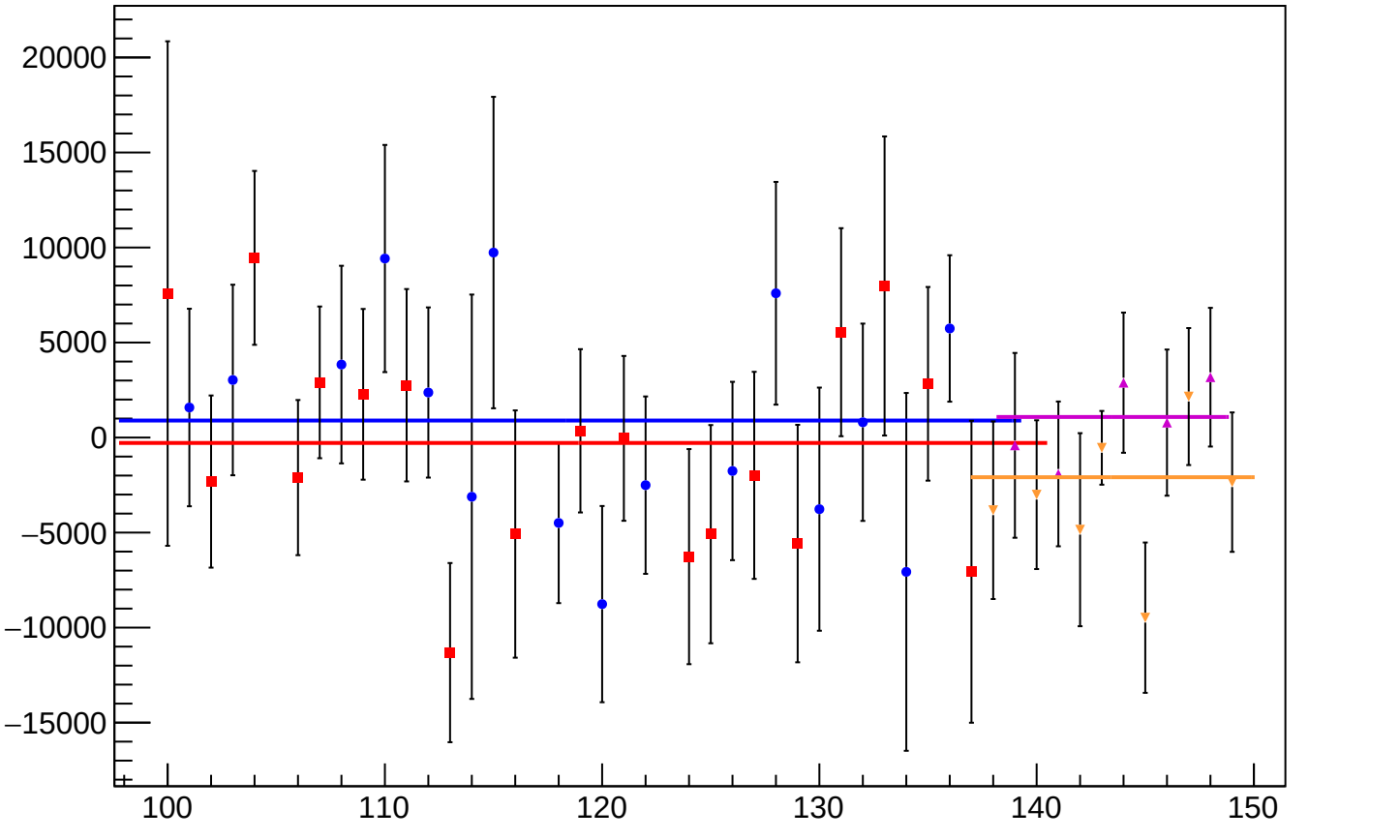
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1312.456+/-0.265 χ^2/NDF: 652589.2/22

All: 1307.070+/-0.190 χ^2/NDF: 988316.4/46

- 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: -2087.137+/-1258.998 χ^2/NDF:6.0/6

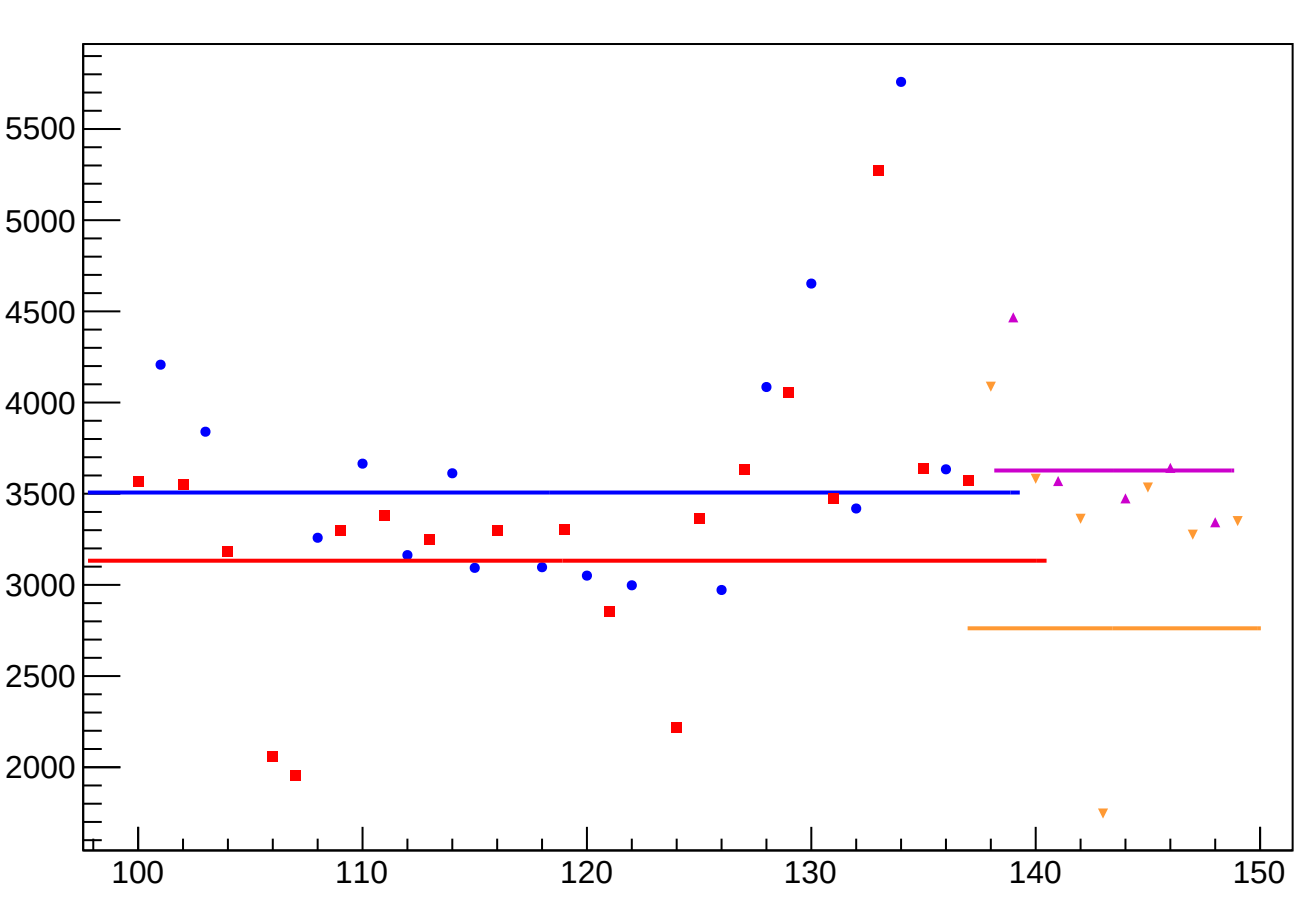
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1083.517+/-1747.501 χ^2/NDF:1.3/4

+ sign -671.510+/-912.629 χ^2/NDF: 22.8/22

All: -291.767+/-667.790 χ^2/NDF: 43.5/46

- 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: 2761.900+/-0.890 χ^2/NDF:993256.0/6

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

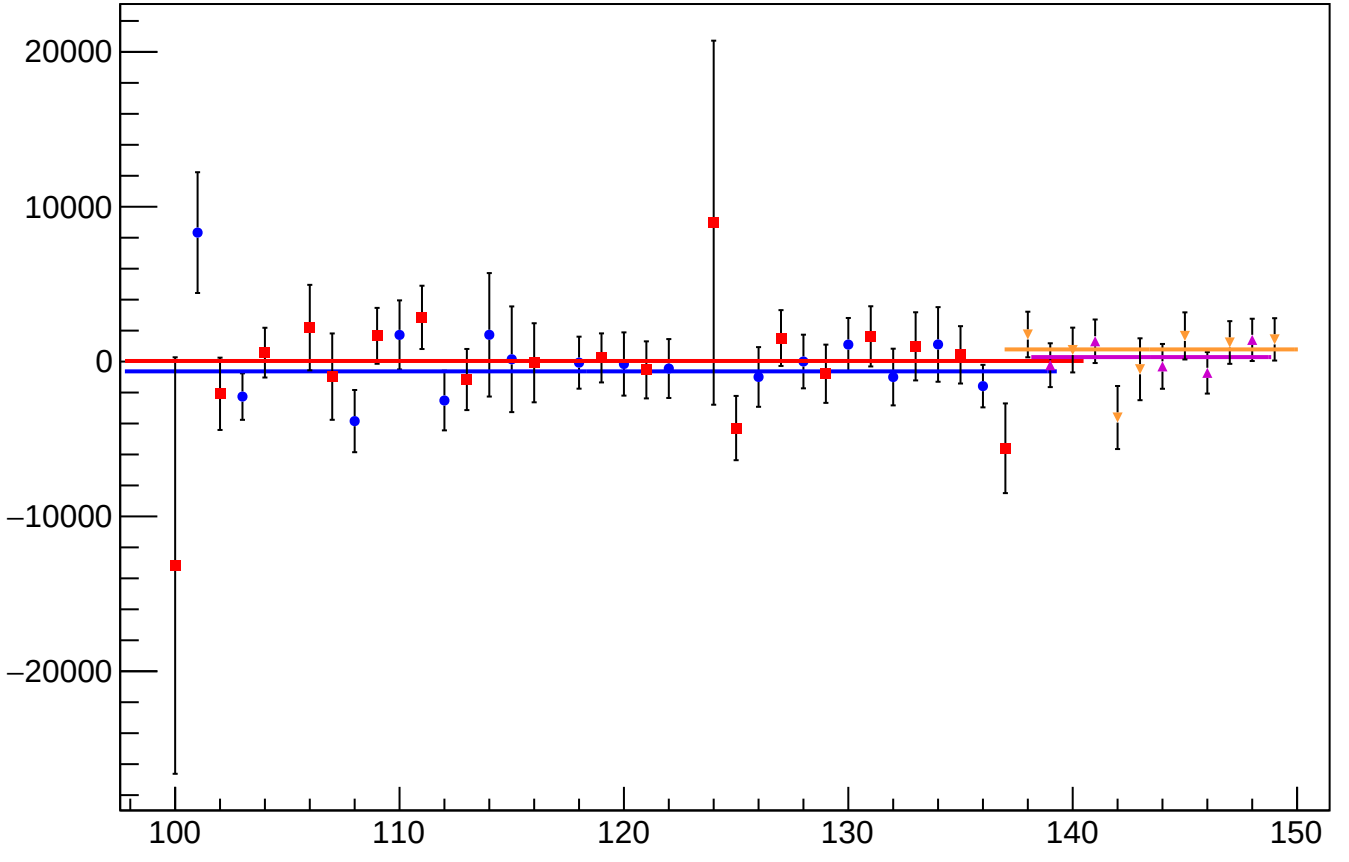
Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

\+ sign 3115.235+/-0.645 χ^2/NDF: 1678450.4/22

All: 3195.538+/-0.472 χ^2/NDF: 2546994.5/46

\- 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: 786.523+/-584.802 χ^2/NDF:6.2/6

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

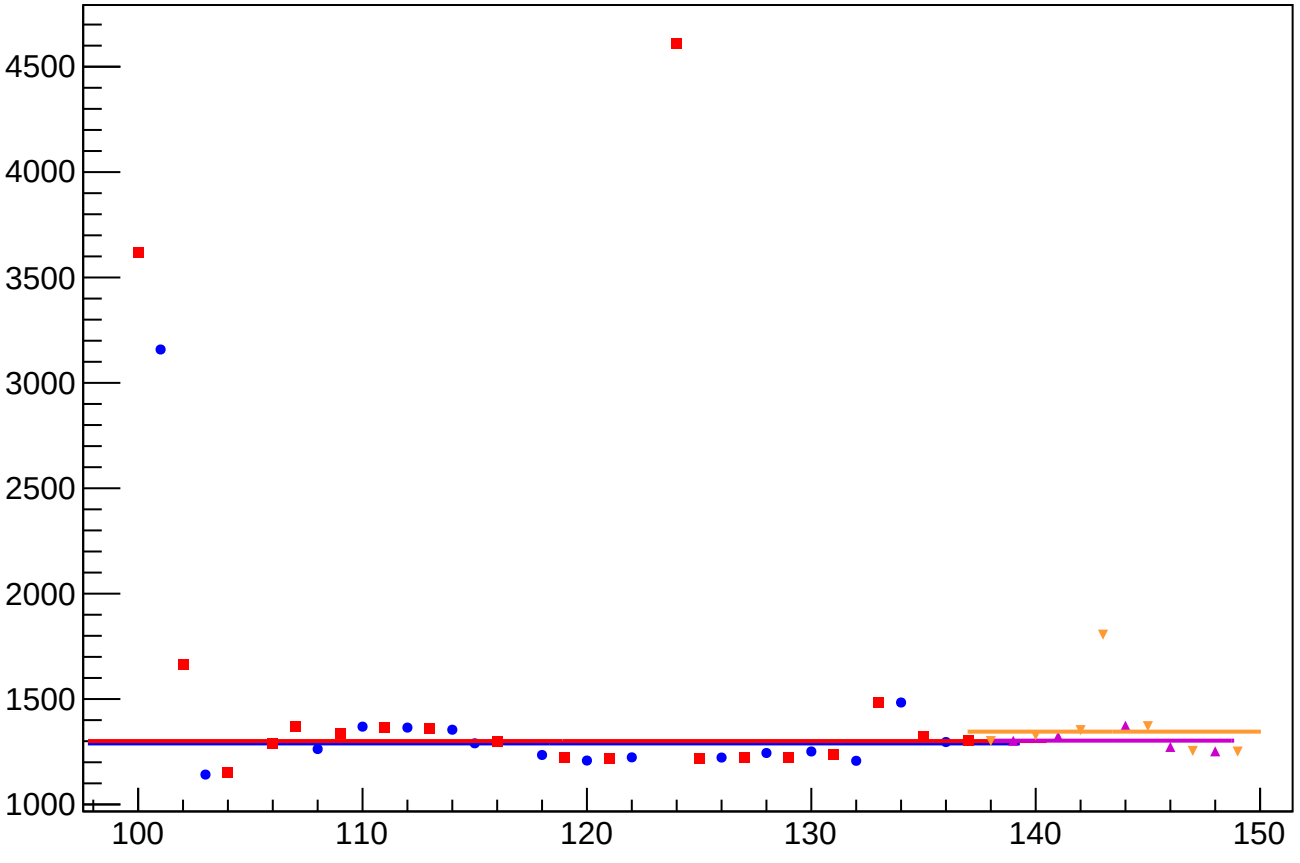
Left In: 290.063+/-623.108 χ^2/NDF:2.1/4

+ sign -48.433+/-374.982 χ^2/NDF: 23.5/22

All: 40.674+/-268.365 χ^2/NDF: 42.1/46

- 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: 1345.381+/-0.414 χ^2/NDF:127146.3/6

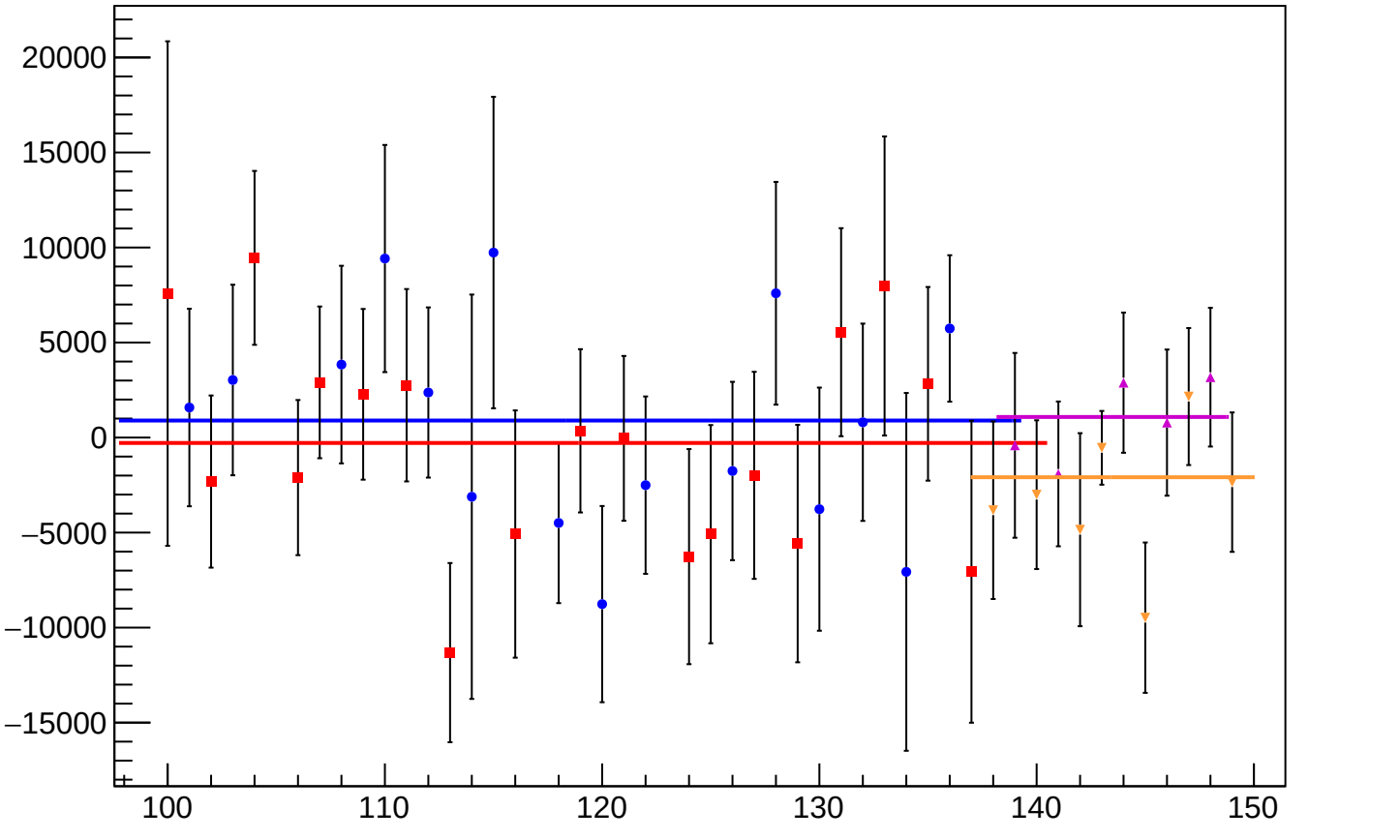
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1312.456+/-0.265 χ^2/NDF: 652589.2/22

All: 1307.070+/-0.190 χ^2/NDF: 988316.4/46

- 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: -2087.137+/-1258.998 χ^2/NDF:6.0/6

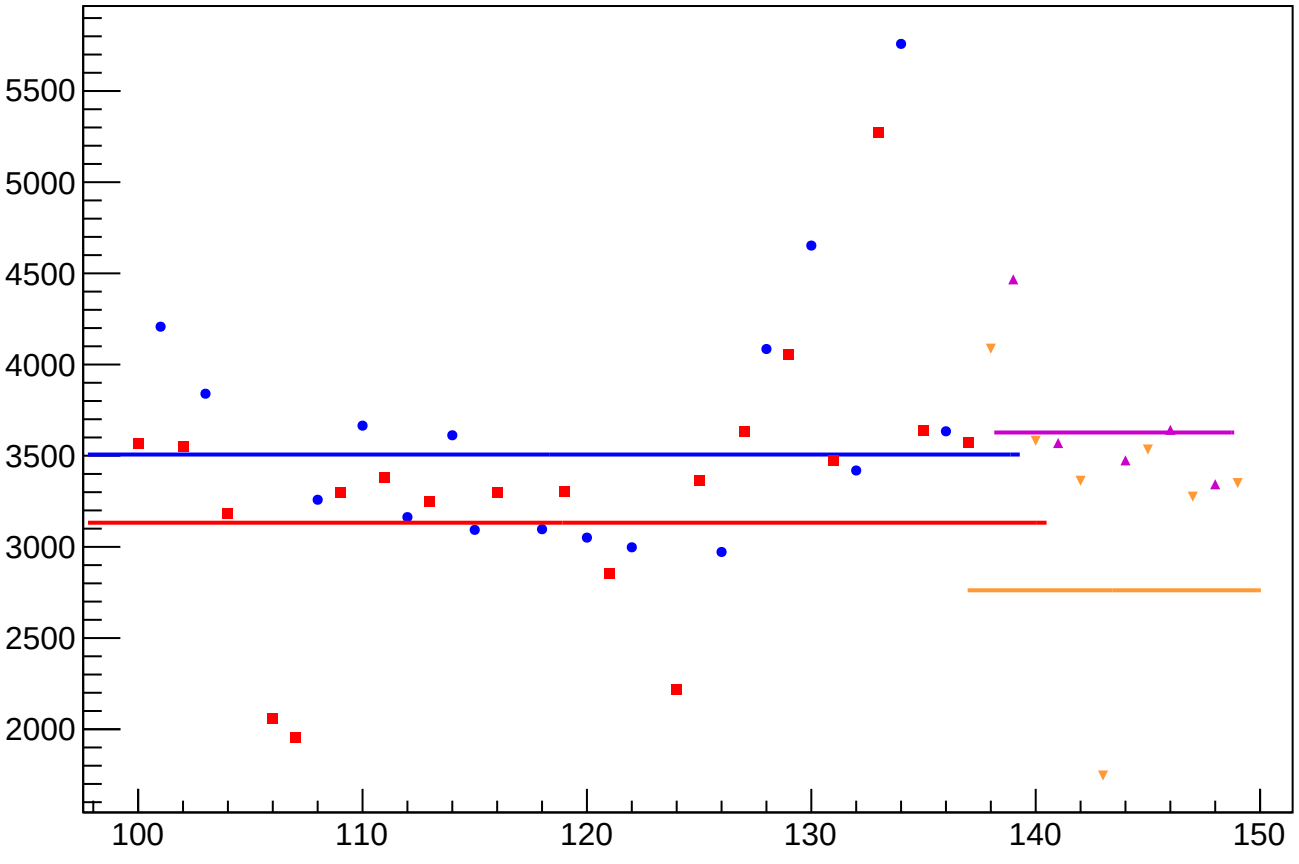
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1083.517+/-1747.501 χ^2/NDF:1.3/4

+ sign -671.510+/-912.629 χ^2/NDF: 22.8/22

All: -291.767+/-667.790 χ^2/NDF: 43.5/46

- sign 145.870+/-979.731 χ^2/NDF: 20.3/23



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Left Out: 2761.900+/-0.890 χ^2/NDF:993256.0/6

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

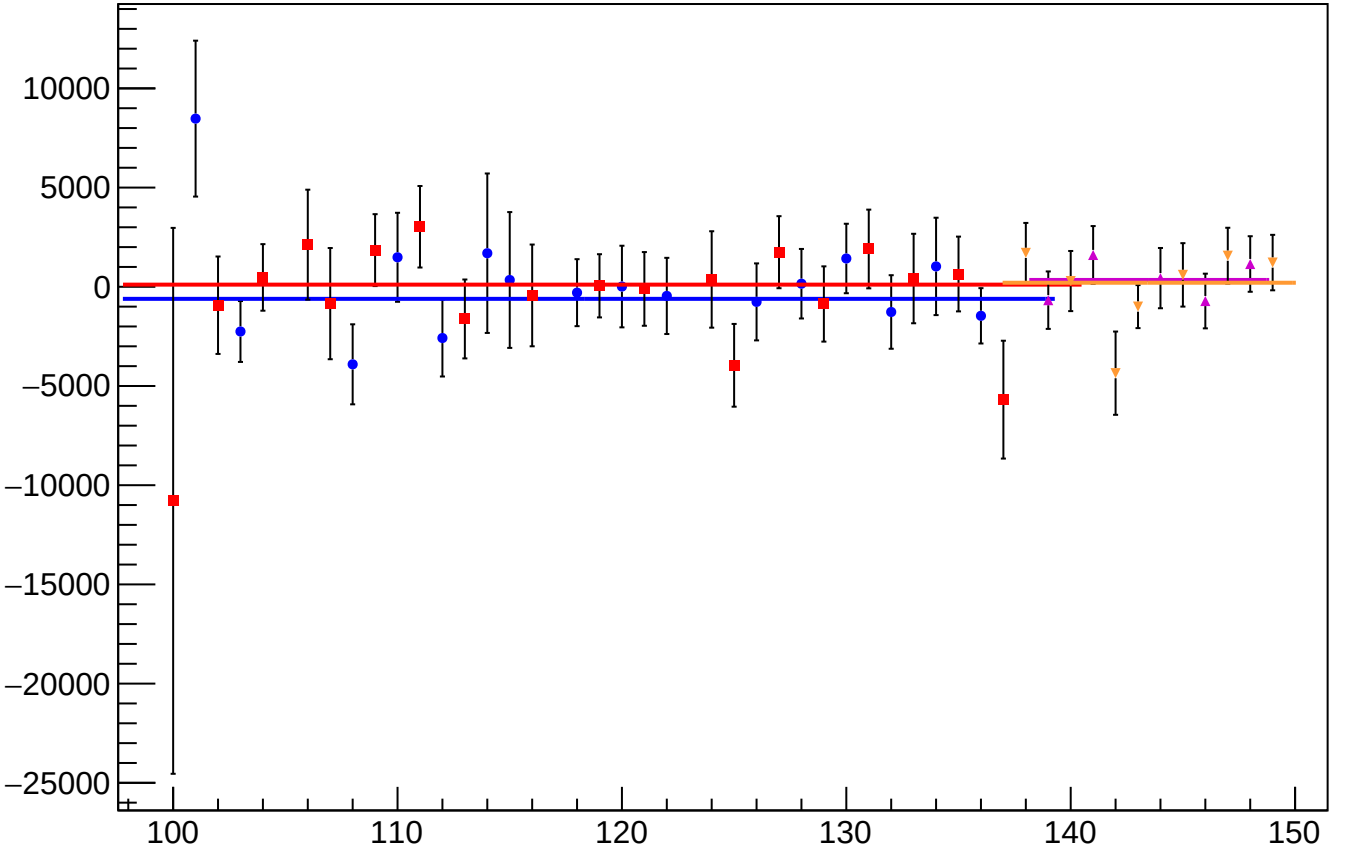
Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

+ sign 3115.235+/-0.645 χ^2/NDF: 1678450.4/22

All: 3195.538+/-0.472 χ^2/NDF: 2546994.5/46

- sign 3288.084+/-0.693 χ^2/NDF: 835213.8/23

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 204.117+/-545.569 χ^2/NDF:8.5/6

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

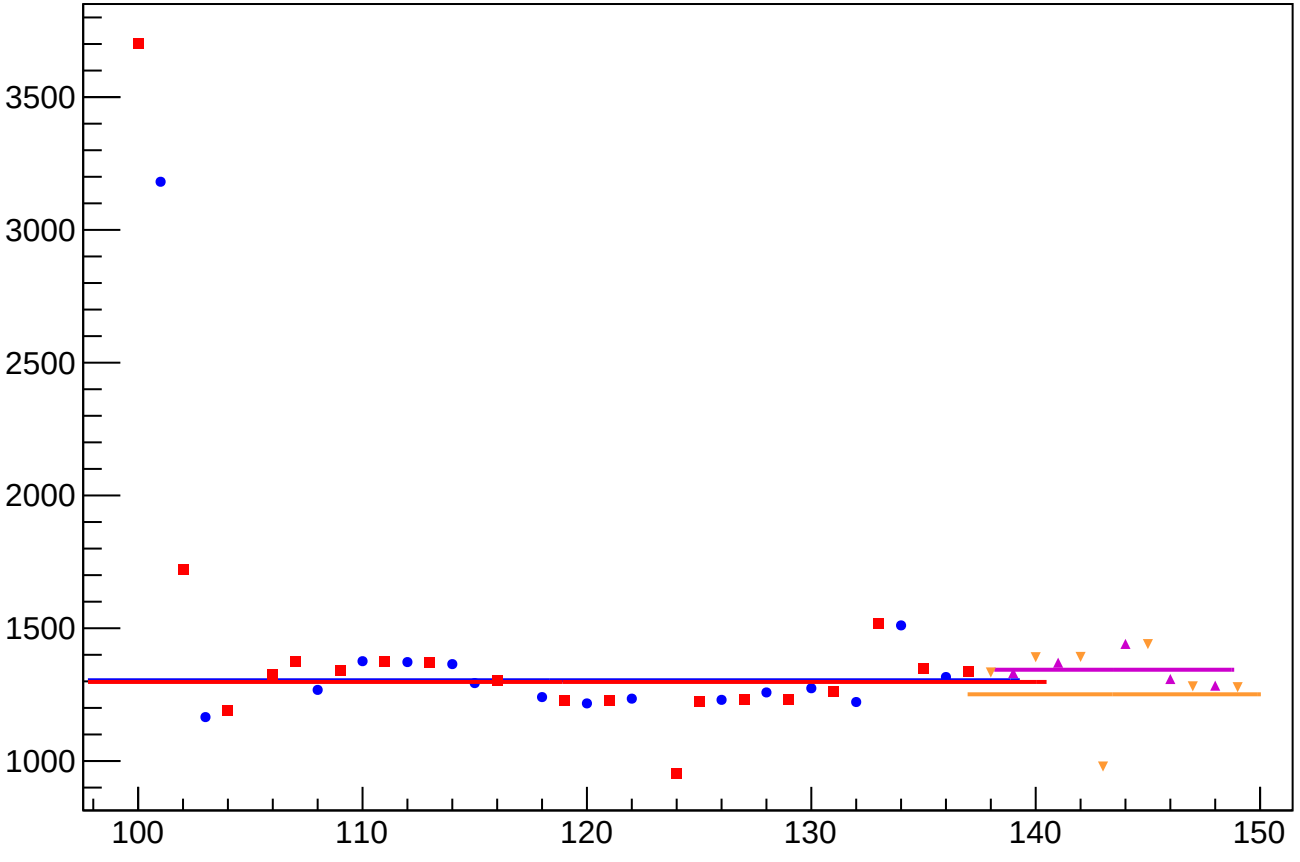
Left In: 344.307+/-643.028 χ^2/NDF:2.2/4

+ sign -241.888+/-366.262 χ^2/NDF: 23.8/22

All: -36.115+/-266.175 χ^2/NDF: 41.6/46

- 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: 1251.266+/-0.386 χ^2/NDF:187430.1/6

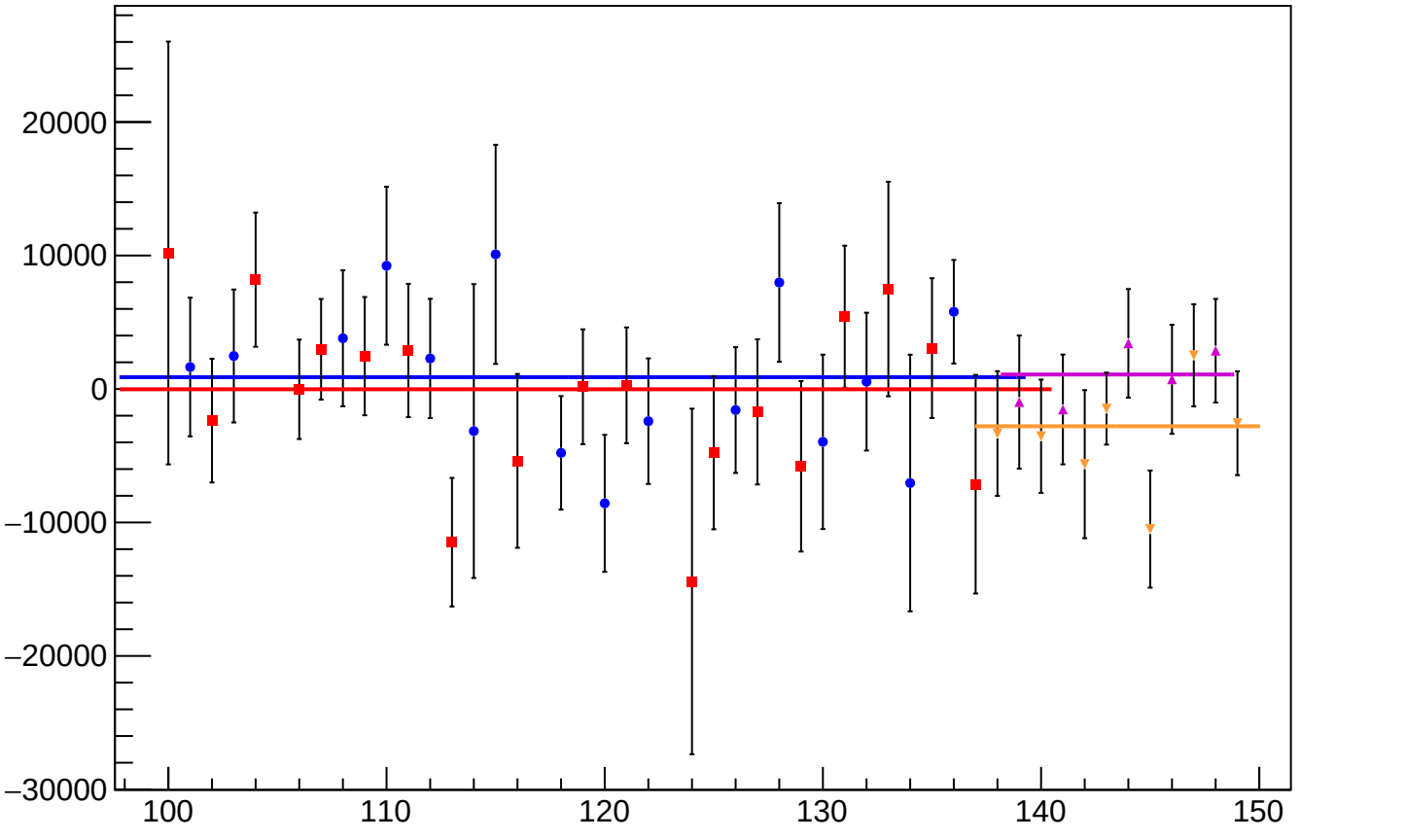
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1343.748+/-0.455 χ^2/NDF:13958.6/4

+ sign 1280.289+/-0.259 χ^2/NDF: 708323.7/22

All: 1296.424+/-0.188 χ^2/NDF: 950109.0/46

- 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: -2791.459+/-1478.285 χ^2/NDF:5.6/6

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

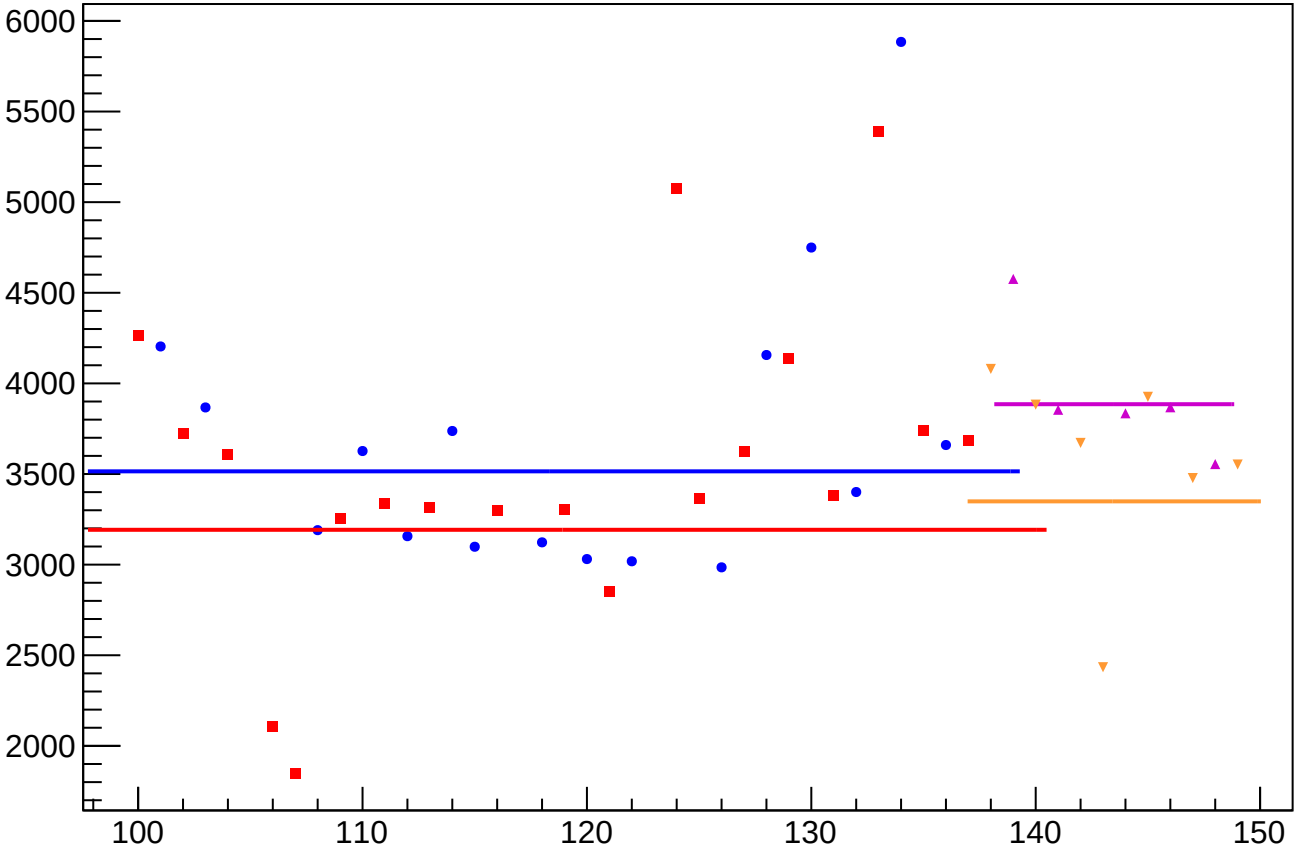
Left In: 1086.069+/-1869.912 χ^2/NDF:1.1/4

+ sign -756.606+/-987.663 χ^2/NDF: 23.1/22

All: -239.025+/-706.126 χ^2/NDF: 41.9/46

- 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: 3349.085+/-1.045 χ^2/NDF:359788.3/6

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

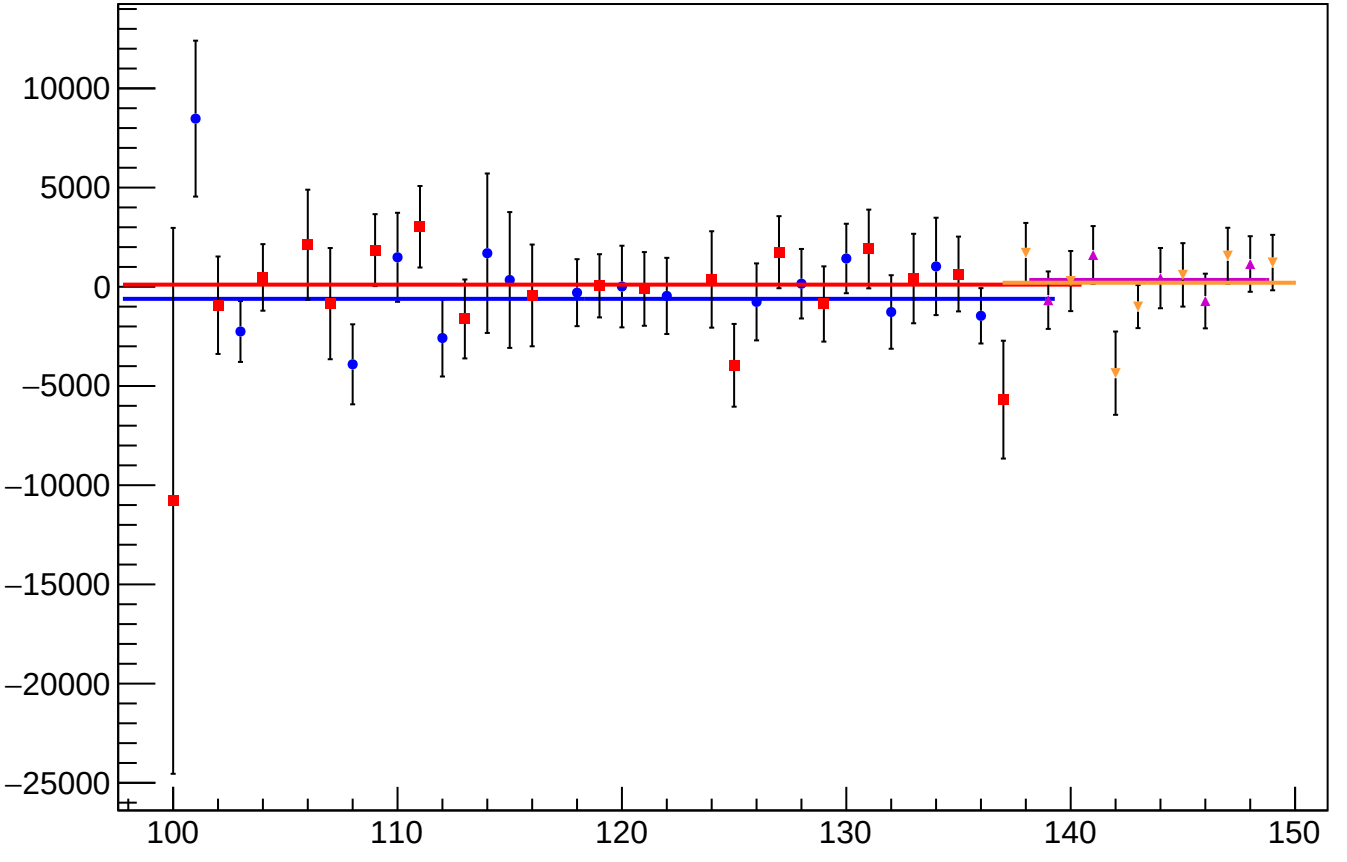
Left In: 3885.199+/-1.322 χ^2/NDF:53360.0/4

+ sign 3440.799+/-0.698 χ^2/NDF: 748771.8/22

All: 3418.094+/-0.499 χ^2/NDF: 1771353.2/46

- 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: 204.113+/-545.569 χ^2/NDF:8.5/6

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

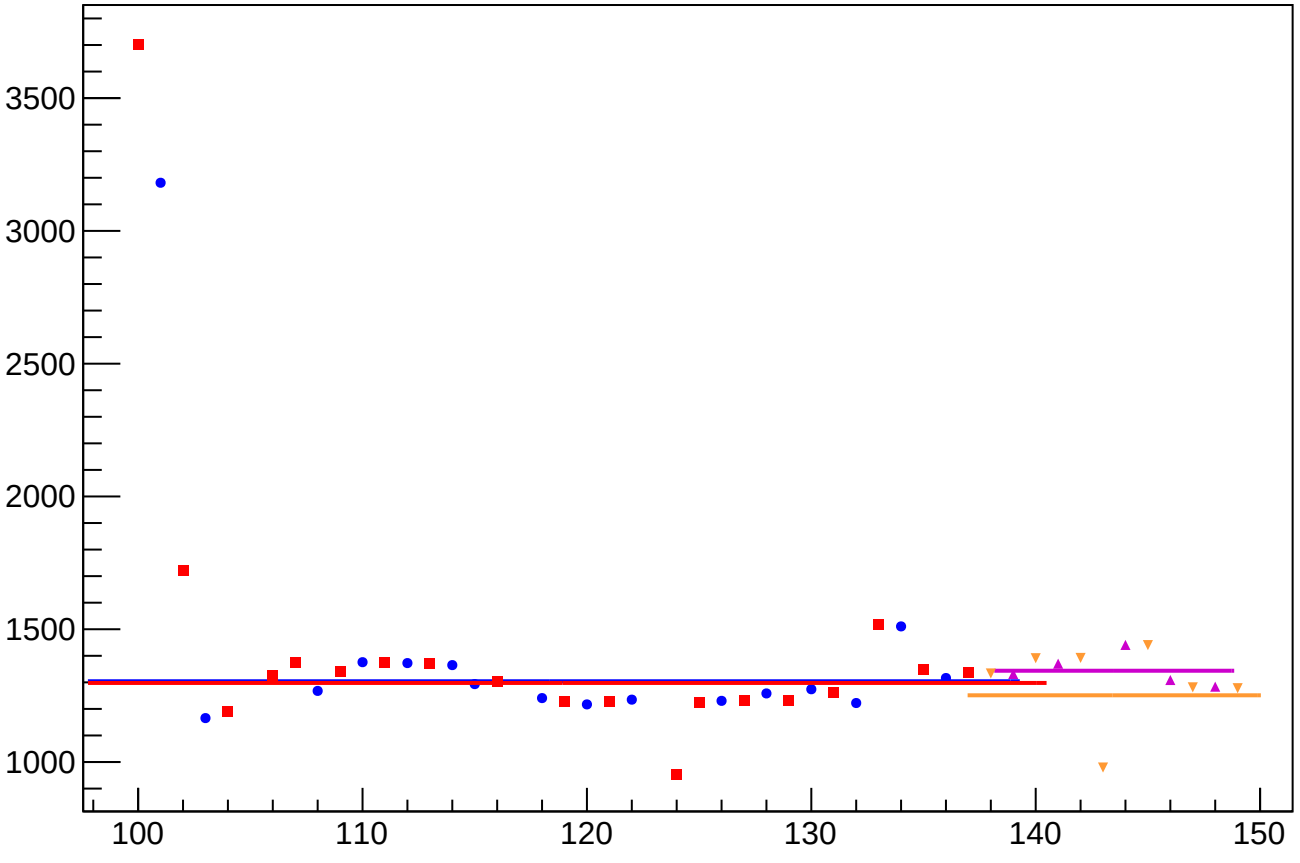
Left In: 344.306+/-643.029 χ^2/NDF:2.2/4

+ sign -241.891+/-366.263 χ^2/NDF: 23.8/22

All: -36.116+/-266.175 χ^2/NDF: 41.6/46

- 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: 1251.267+/-0.386 χ^2/NDF:187430.4/6

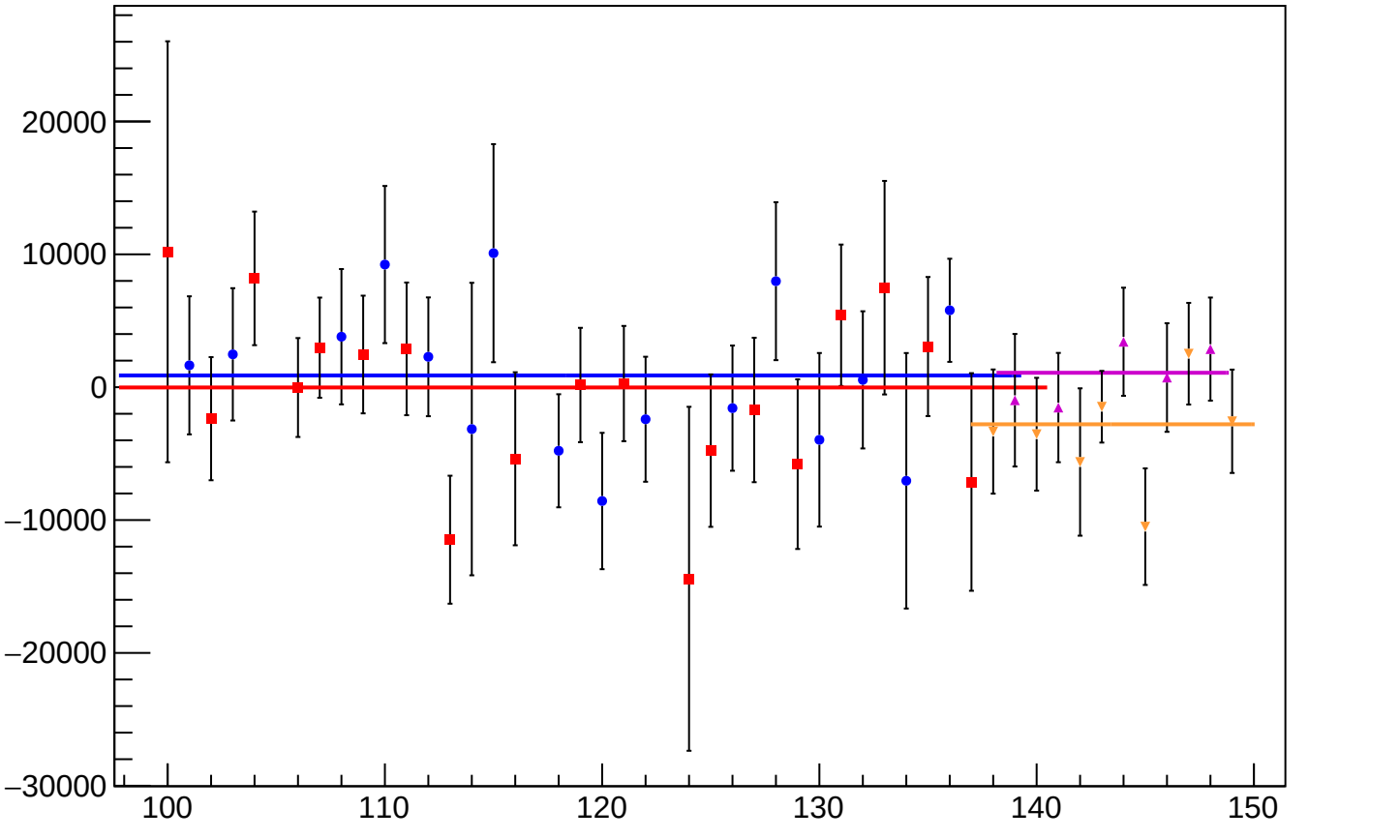
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1343.749+/-0.455 χ^2/NDF:13958.6/4

+ sign 1280.289+/-0.259 χ^2/NDF: 708323.7/22

All: 1296.425+/-0.188 χ^2/NDF: 950109.5/46

- 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: -2791.459+/-1478.287 χ^2/NDF:5.6/6

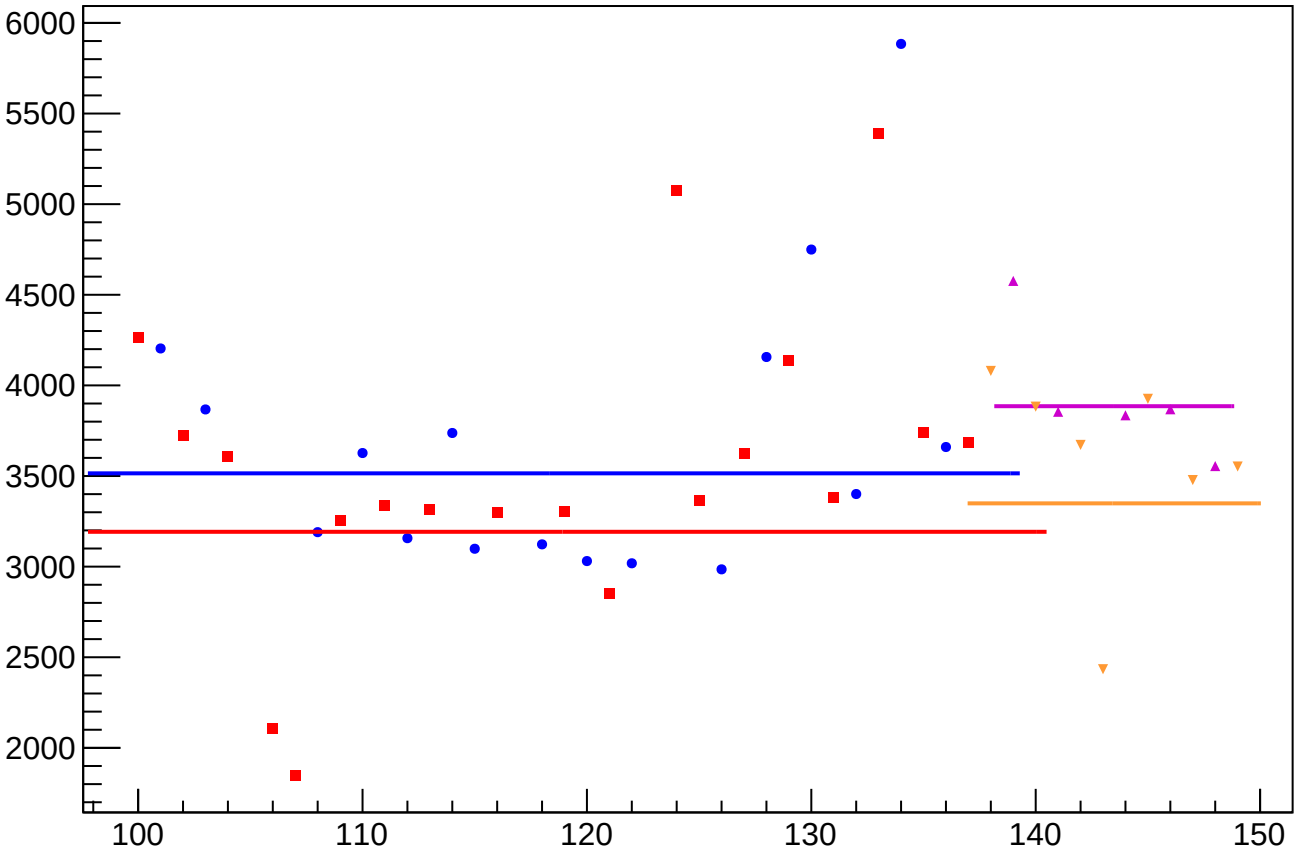
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1086.066+/-1869.915 χ^2/NDF:1.1/4

+ sign -756.605+/-987.662 χ^2/NDF: 23.1/22

All: -239.024+/-706.125 χ^2/NDF: 41.9/46

- 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: 3349.090+/-1.045 χ^2/NDF:359788.9/6

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

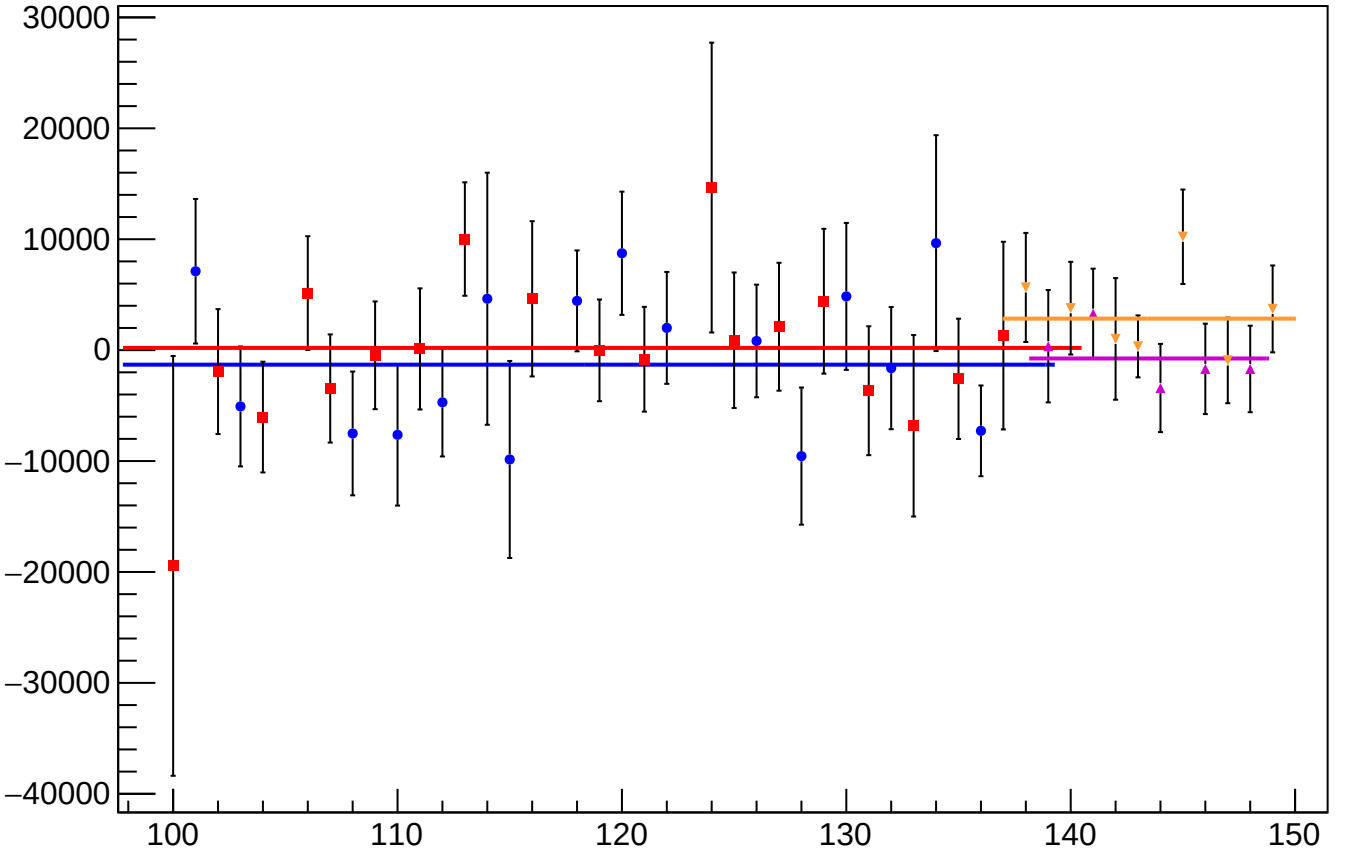
Left In: 3885.204+/-1.322 χ^2/NDF:53360.9/4

+ sign 3440.796+/-0.698 χ^2/NDF: 748774.3/22

All: 3418.090+/-0.499 χ^2/NDF: 1771366.4/46

- 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: 2842.696+/-1495.106 χ^2/NDF:5.3/6

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

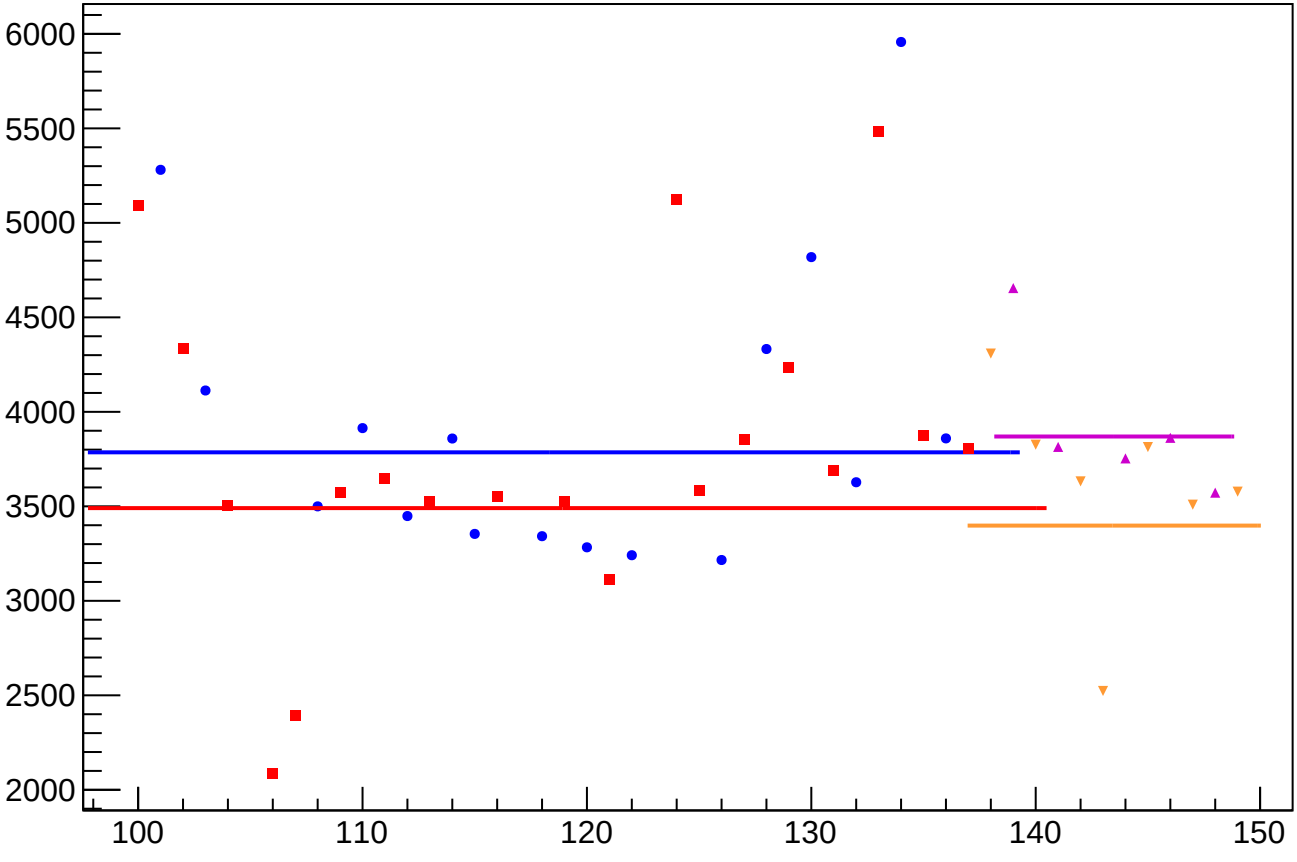
Left In: -751.876+/-1861.261 χ^2/NDF:1.6/4

+ sign 676.657+/-1034.025 χ^2/NDF: 26.9/22

All: 296.365+/-748.662 χ^2/NDF: 40.6/46

- 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: 3398.087+/-1.057 χ^2/NDF:314083.3/6

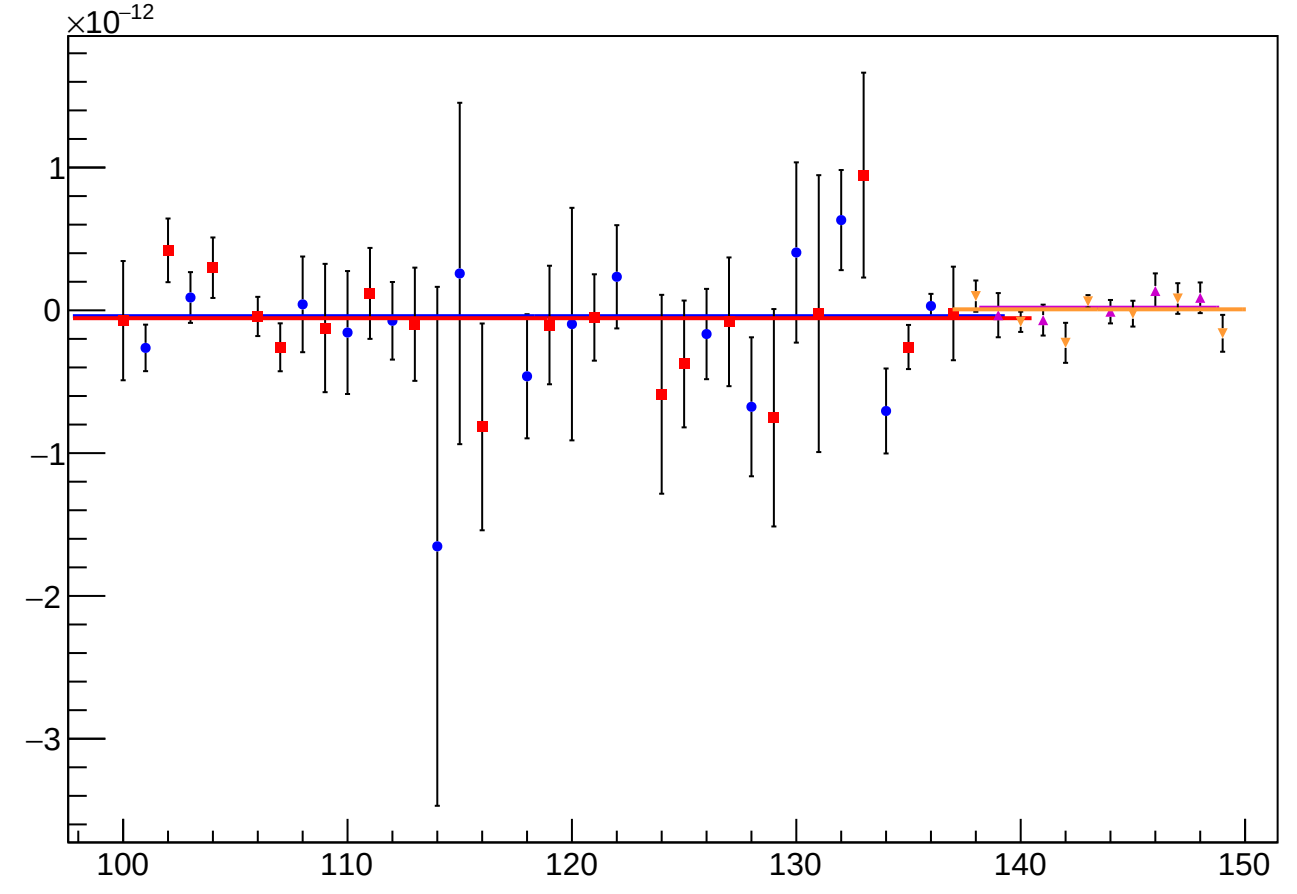
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3869.530+/-1.316 χ^2/NDF:61772.3/4

+ sign 3600.337+/-0.731 χ^2/NDF: 767230.5/22

All: 3608.409+/-0.527 χ^2/NDF: 1471183.1/46

- 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:8.9/6

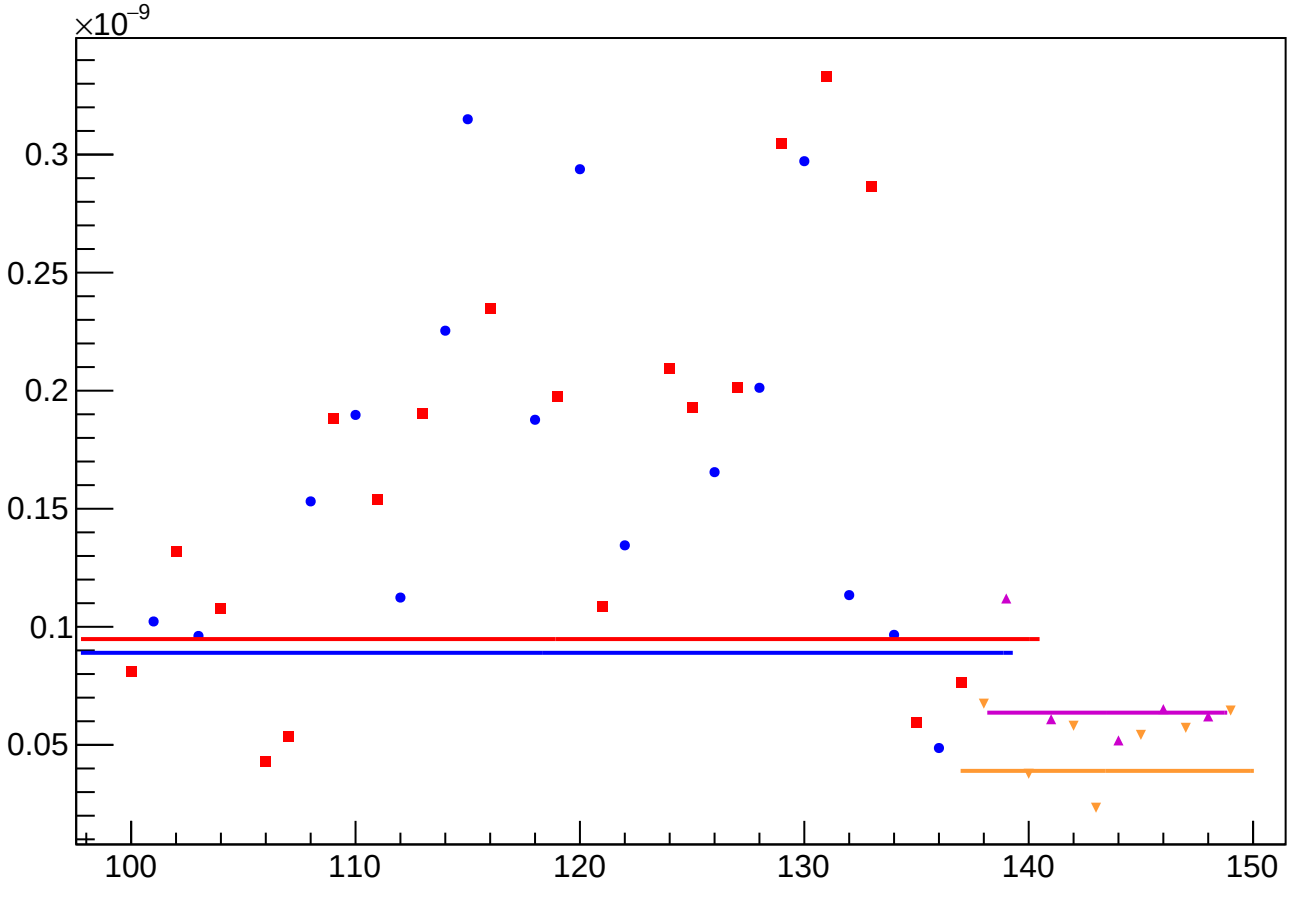
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 26.1/22

All: -0.000+/-0.000 χ^2/NDF: 45.0/46

- 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:618005.8/6

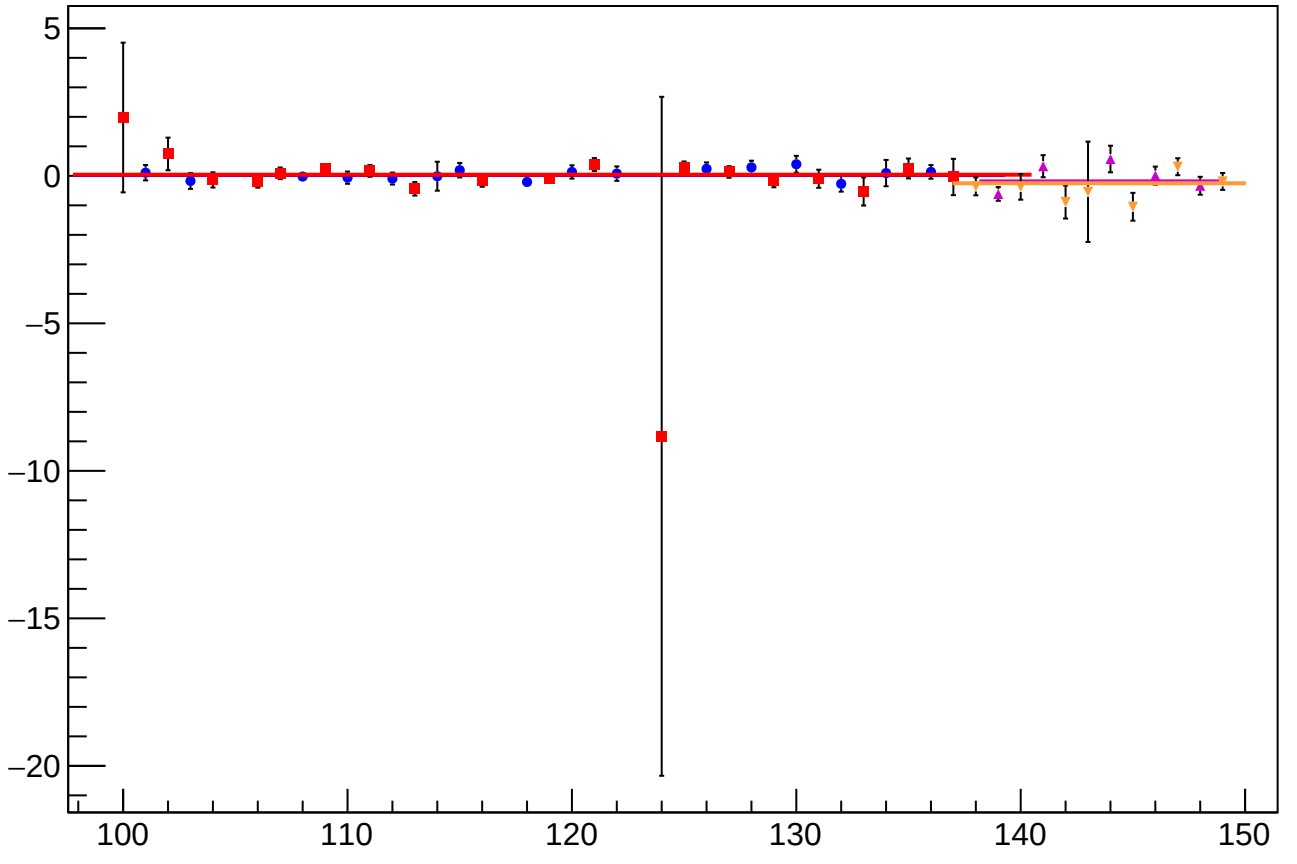
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:238425.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 3221889.1/22

All: 0.000+/-0.000 χ^2/NDF: 6101862.4/46

- 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: -0.251+/-0.144 χ^2/NDF:8.2/6

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

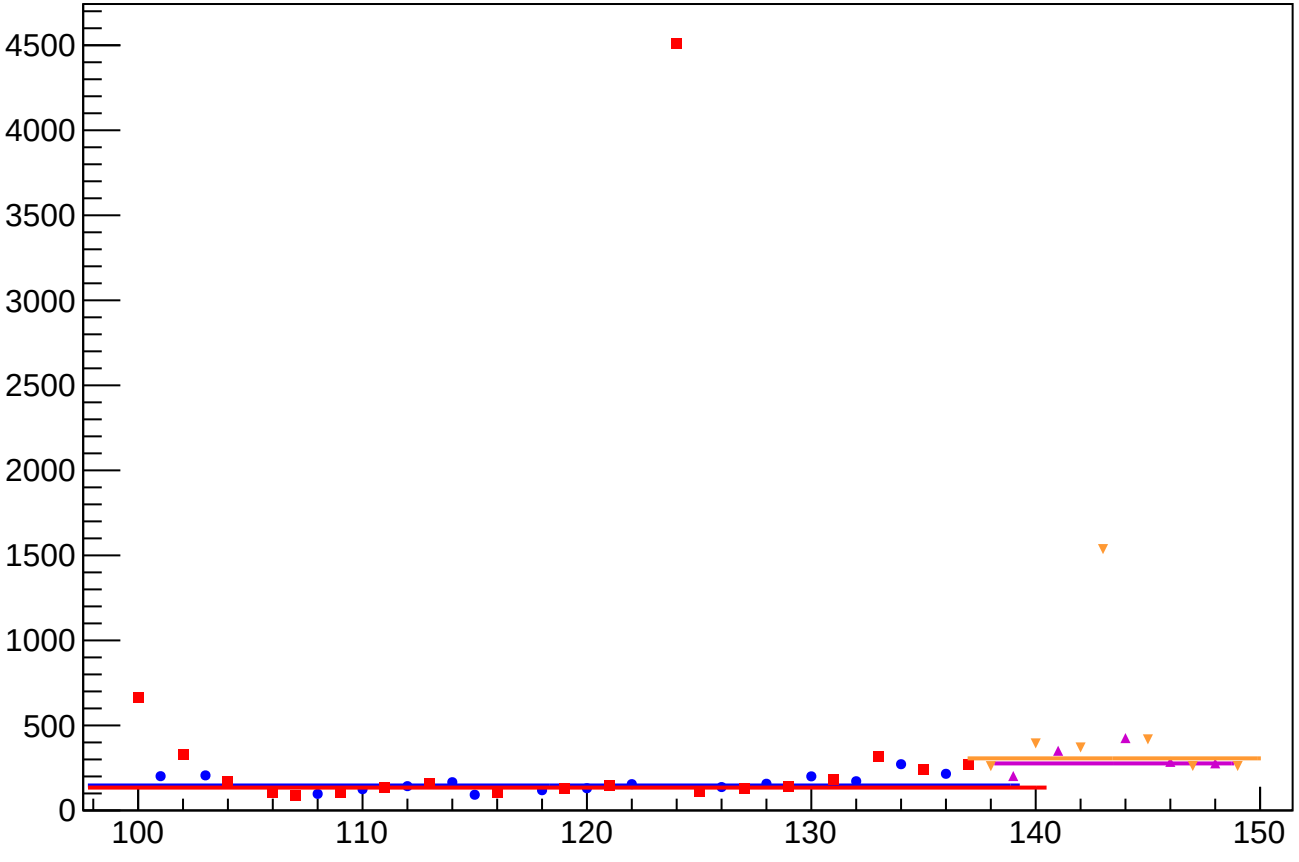
Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.011+/-0.054 χ^2/NDF: 20.9/22

All: -0.001+/-0.037 χ^2/NDF: 52.0/46

- 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: 306.381+/-0.101 χ^2/NDF:1411618.1/6

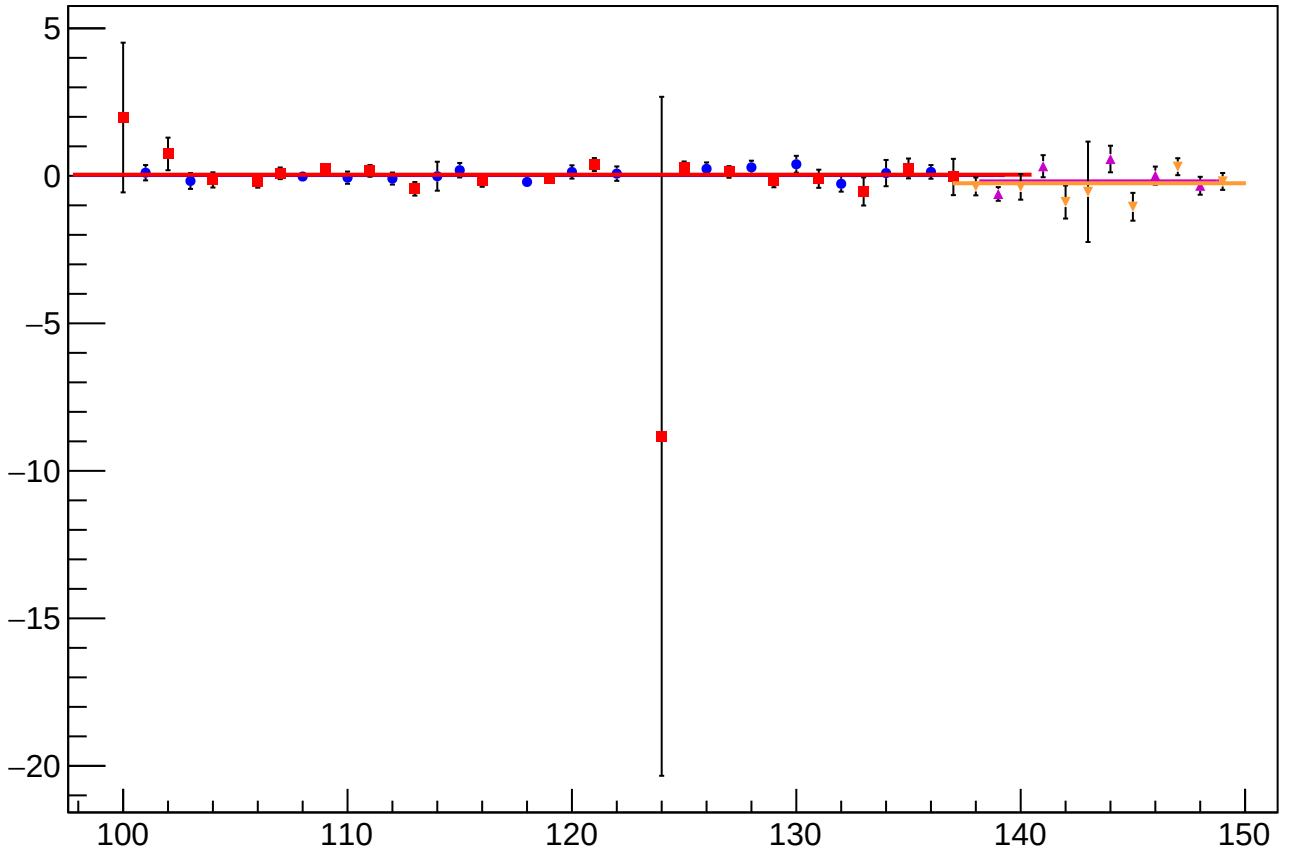
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

+ sign 169.033+/-0.038 χ^2/NDF: 4538343.7/22

All: 160.990+/-0.026 χ^2/NDF: 8551581.5/46

- 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: -0.251+/-0.144 χ^2/NDF:8.2/6

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

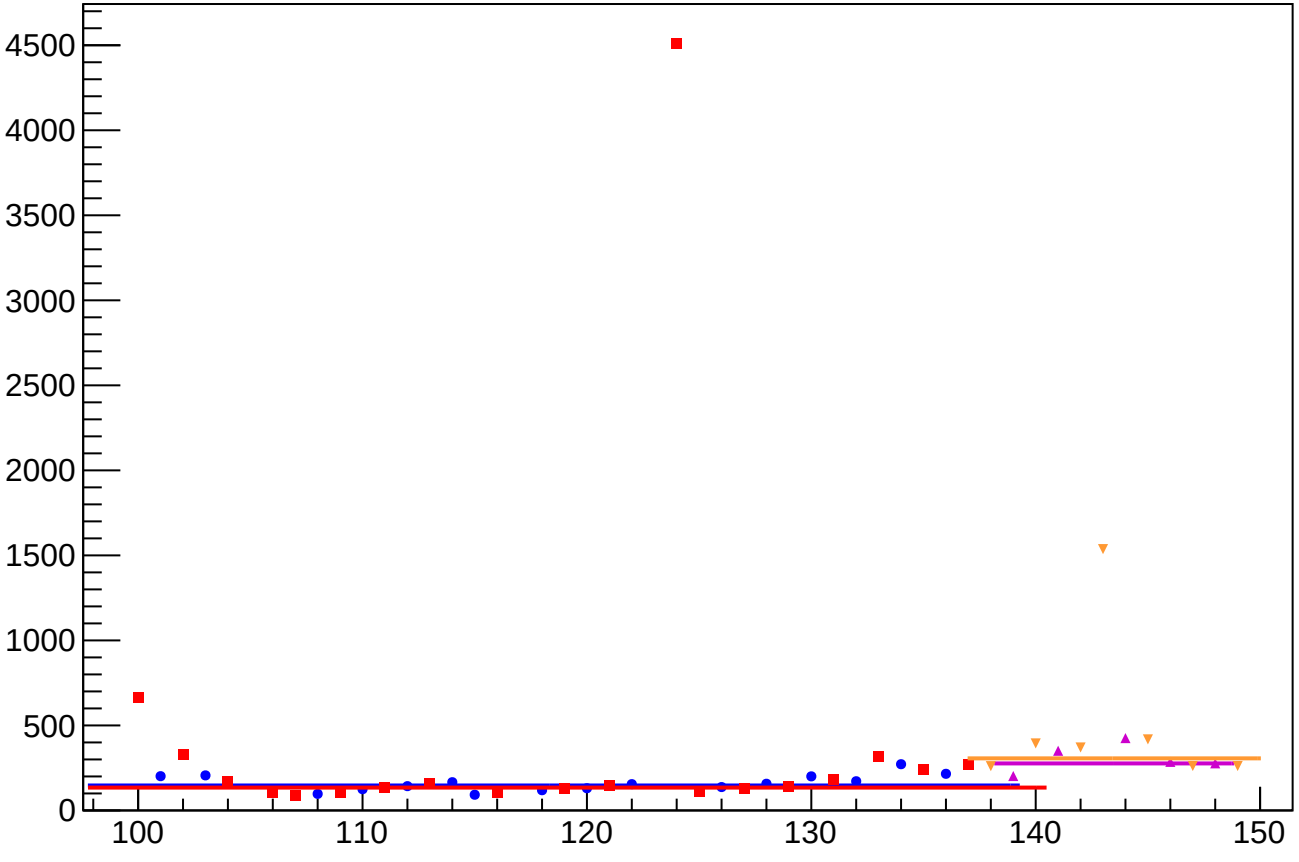
Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.011+/-0.054 χ^2/NDF: 20.9/22

All: -0.001+/-0.037 χ^2/NDF: 52.0/46

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 306.381+/-0.101 χ^2/NDF:1411618.1/6

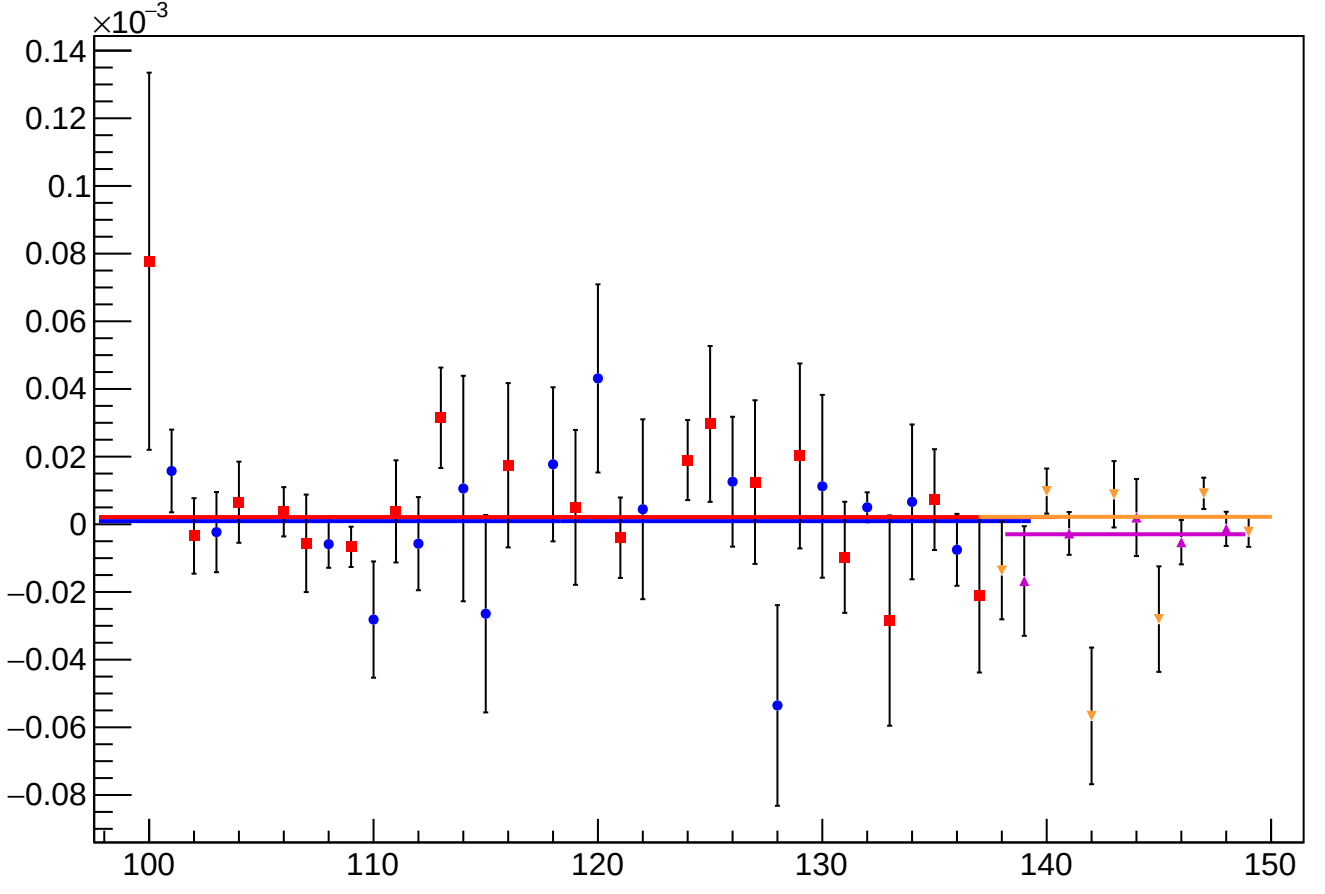
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

+ sign 169.033+/-0.038 χ^2/NDF: 4538343.7/22

All: 160.990+/-0.026 χ^2/NDF: 8551581.5/46

- 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:18.4/6

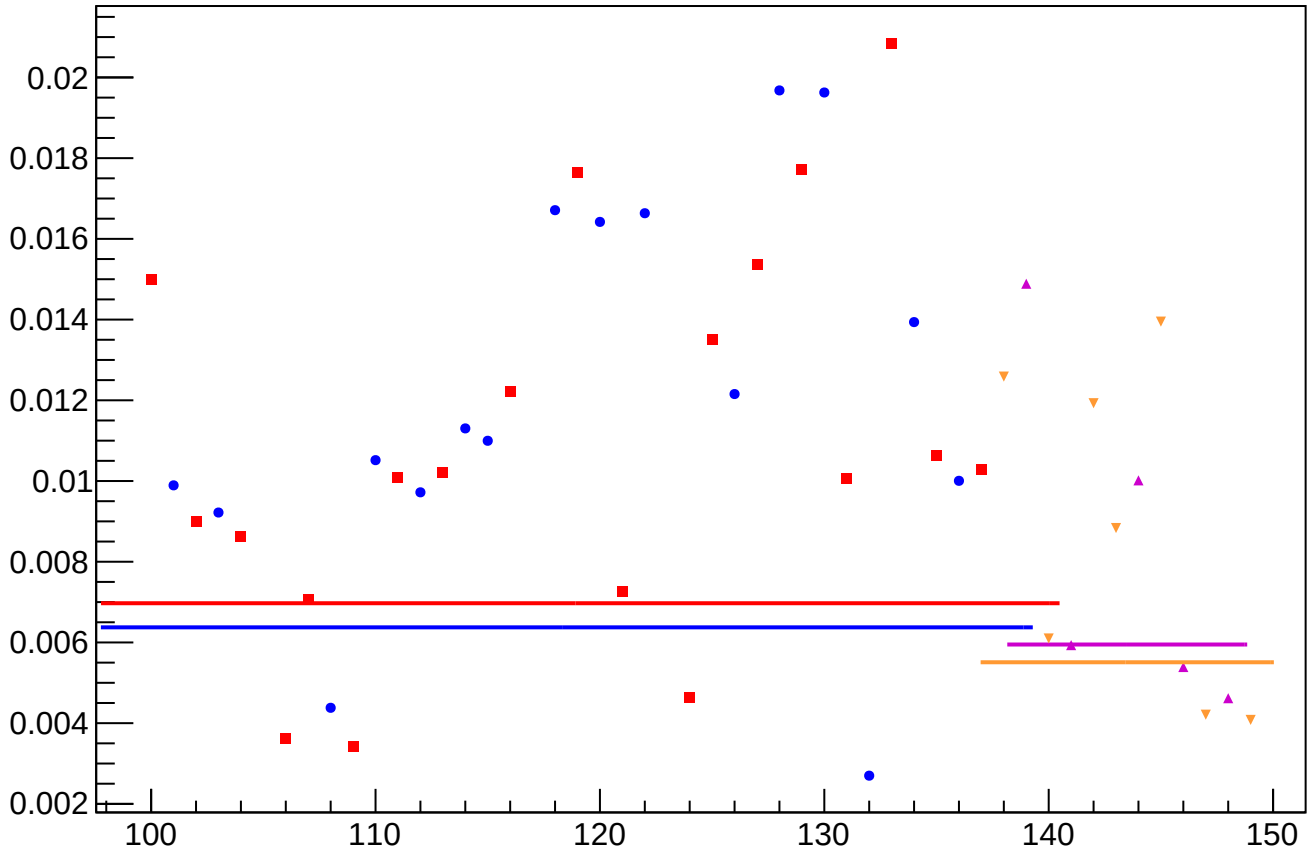
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/22

All: 0.000+/-0.000 χ^2/NDF: 52.4/46

- 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:1875056.5/6

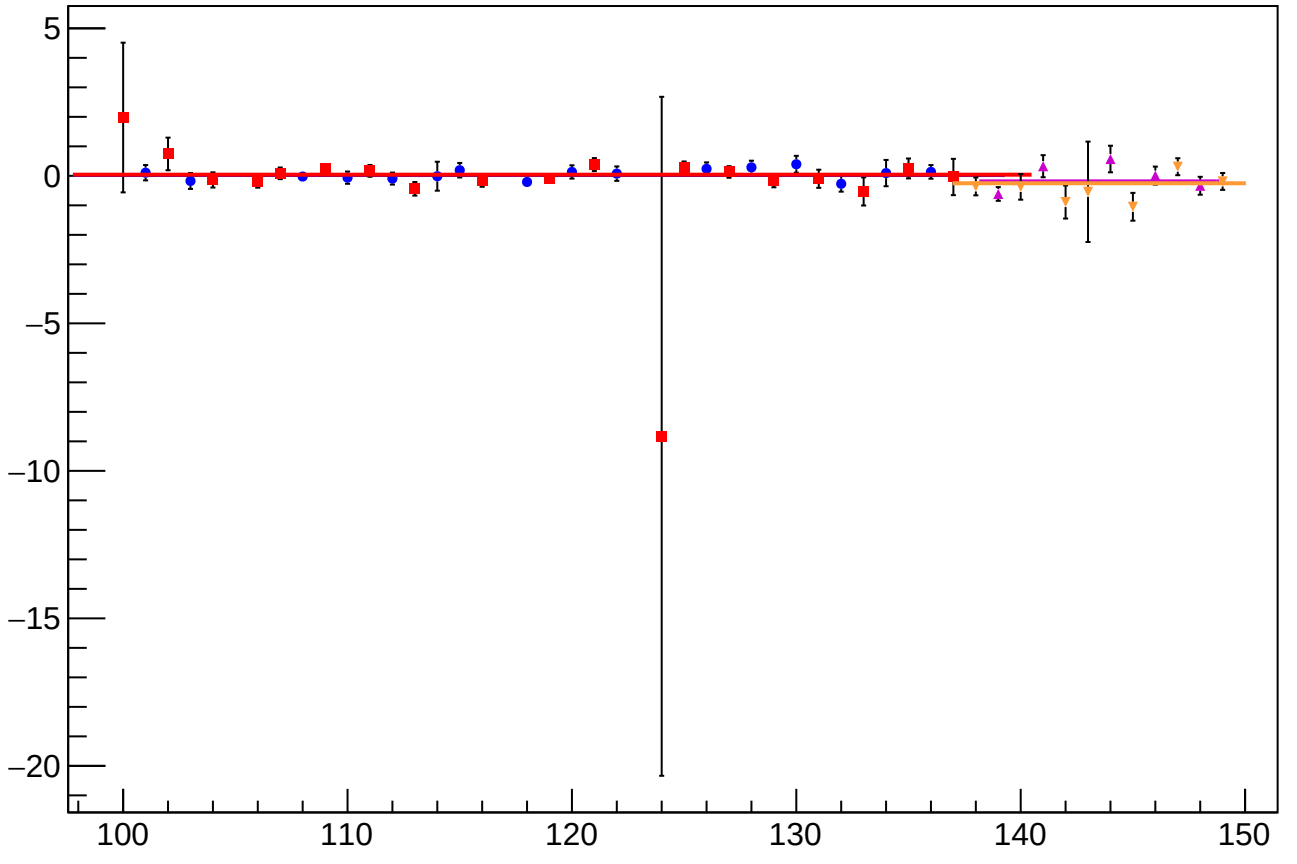
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:1018188.3/4

+ sign 0.006+/-0.000 χ^2/NDF: 6610442.1/22

All: 0.006+/-0.000 χ^2/NDF: 11227072.9/46

- 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: -0.251+/-0.144 χ^2/NDF:8.2/6

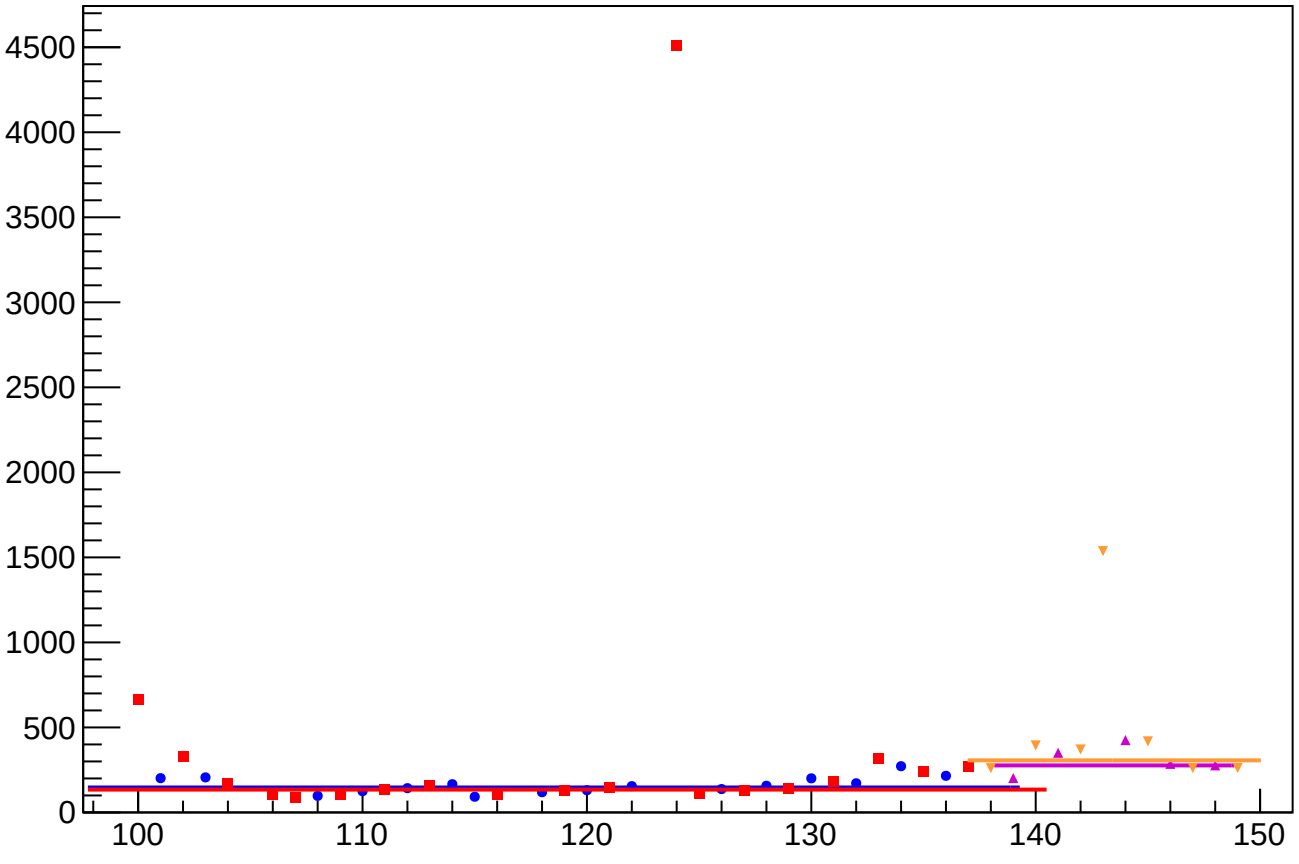
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.011+/-0.054 χ^2/NDF: 20.9/22

All: -0.001+/-0.037 χ^2/NDF: 52.0/46

- 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: 306.384+/-0.101 χ^2/NDF:1411616.6/6

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

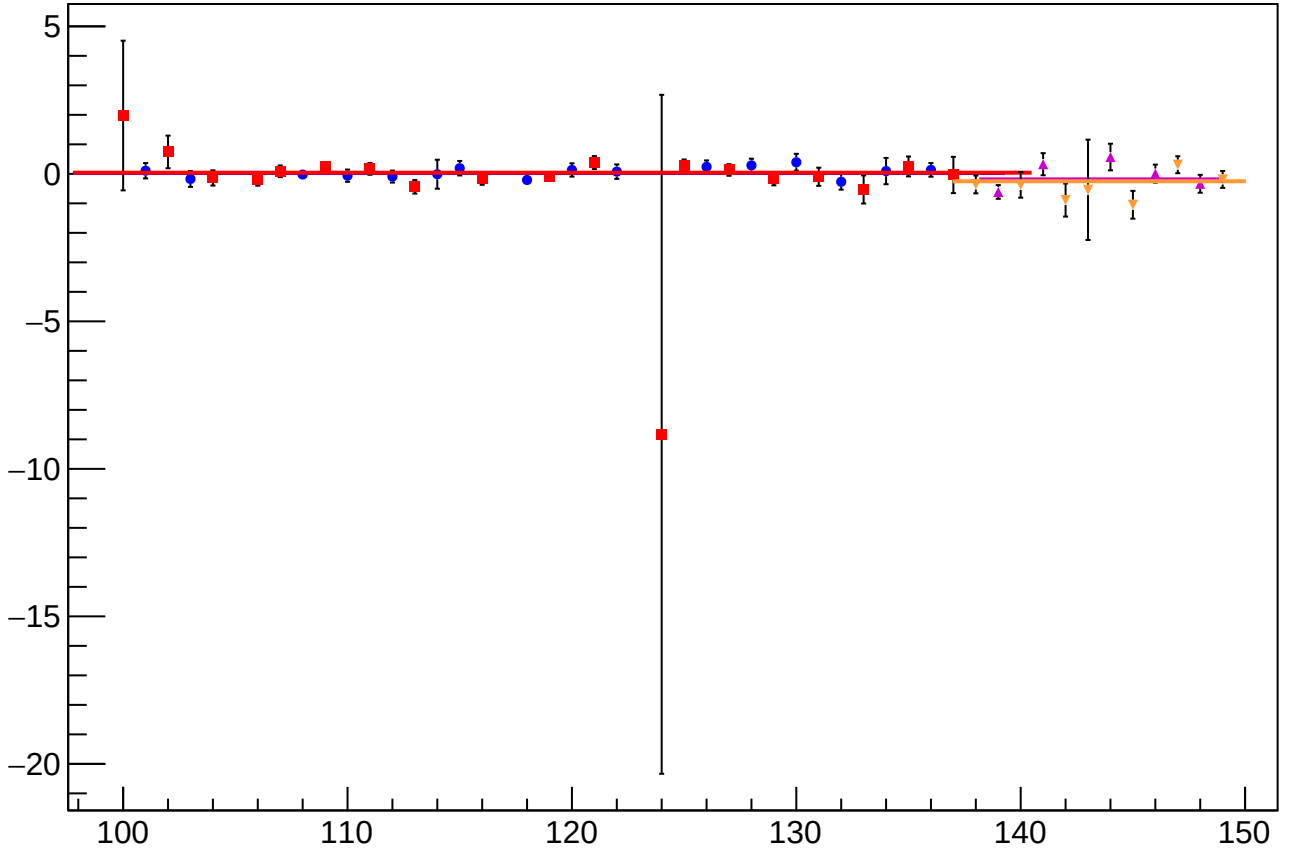
Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

+ sign 169.033+/-0.038 χ^2/NDF: 4538336.9/22

All: 160.991+/-0.026 χ^2/NDF: 8551493.3/46

- sign 153.709+/-0.036 χ^2/NDF: 3927160.1/23

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.251+/-0.144 χ^2/NDF:8.2/6

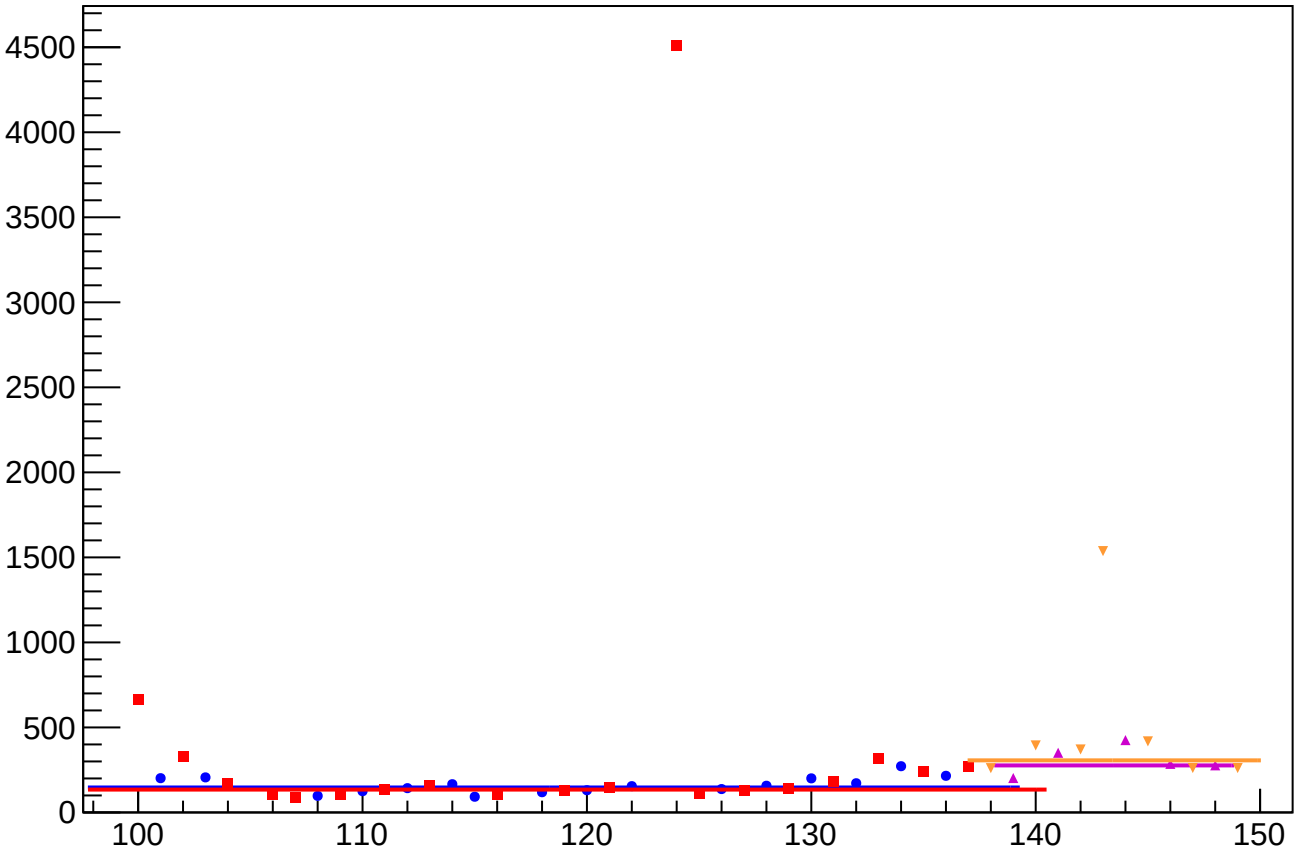
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.011+/-0.054 χ^2/NDF: 20.9/22

All: -0.001+/-0.037 χ^2/NDF: 52.0/46

- 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: 306.384+/-0.101 χ^2/NDF:1411616.6/6

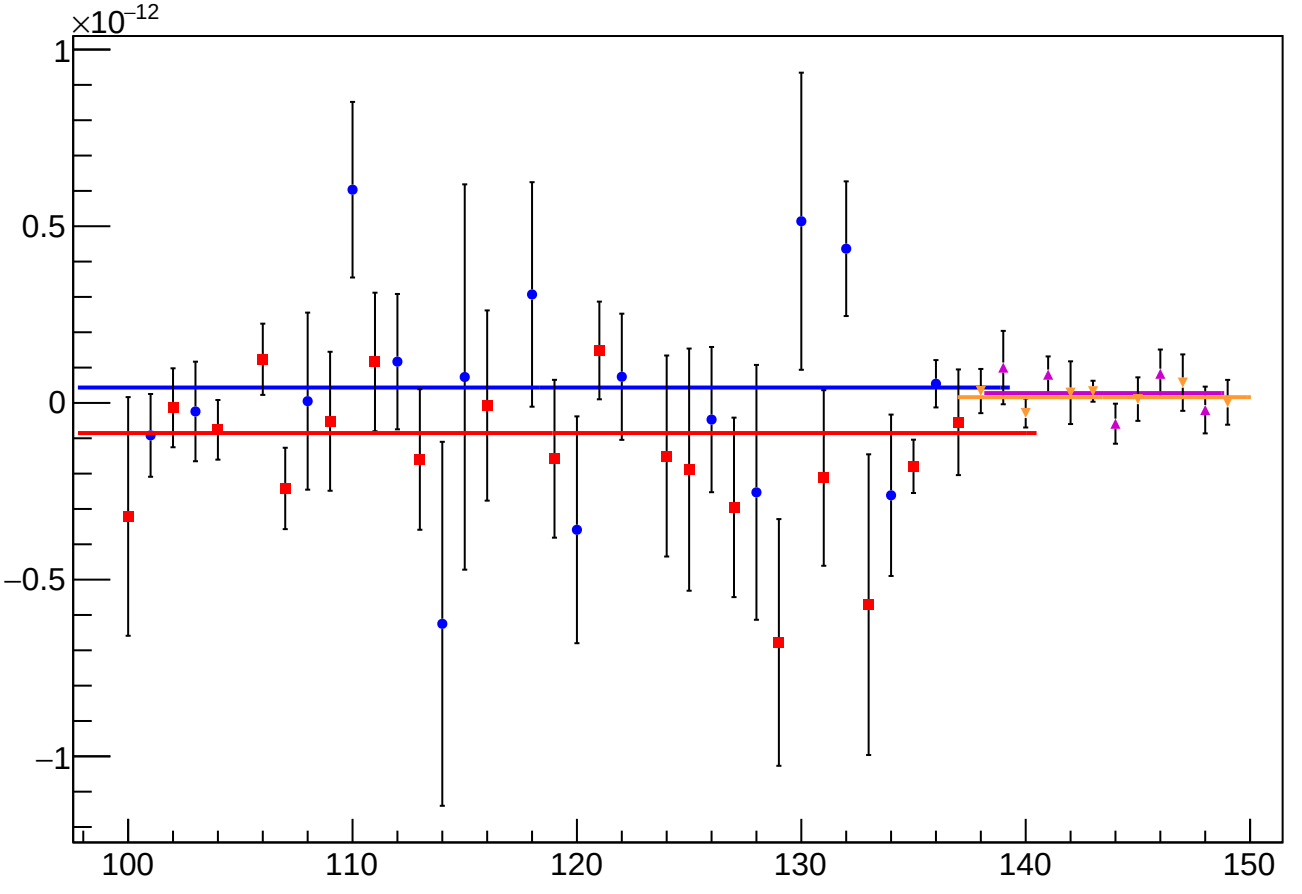
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

+ sign 169.033+/-0.038 χ^2/NDF: 4538336.9/22

All: 160.991+/-0.026 χ^2/NDF: 8551493.3/46

- 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:1.9/6

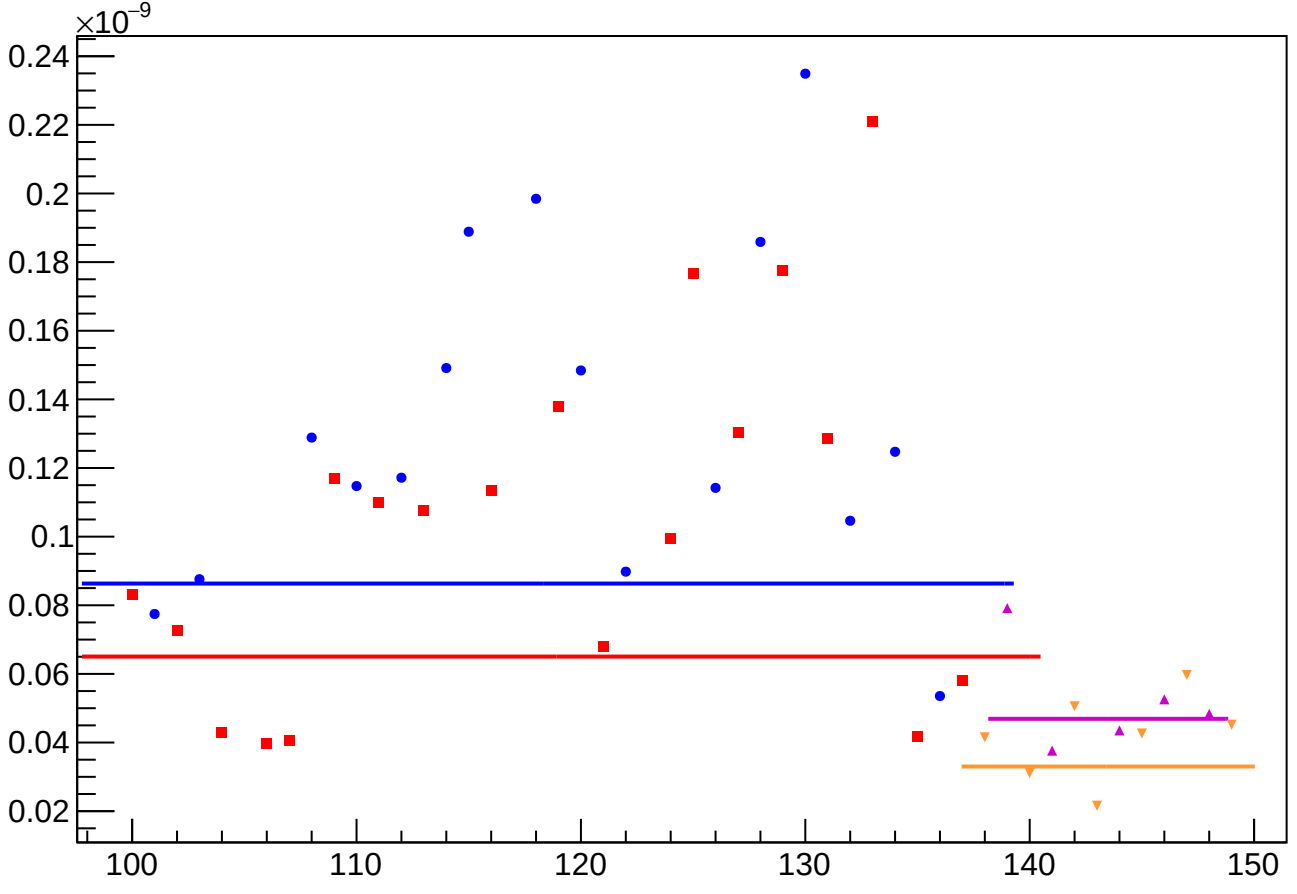
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/22

All: 0.000+/-0.000 χ^2/NDF: 52.9/46

- 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:762500.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

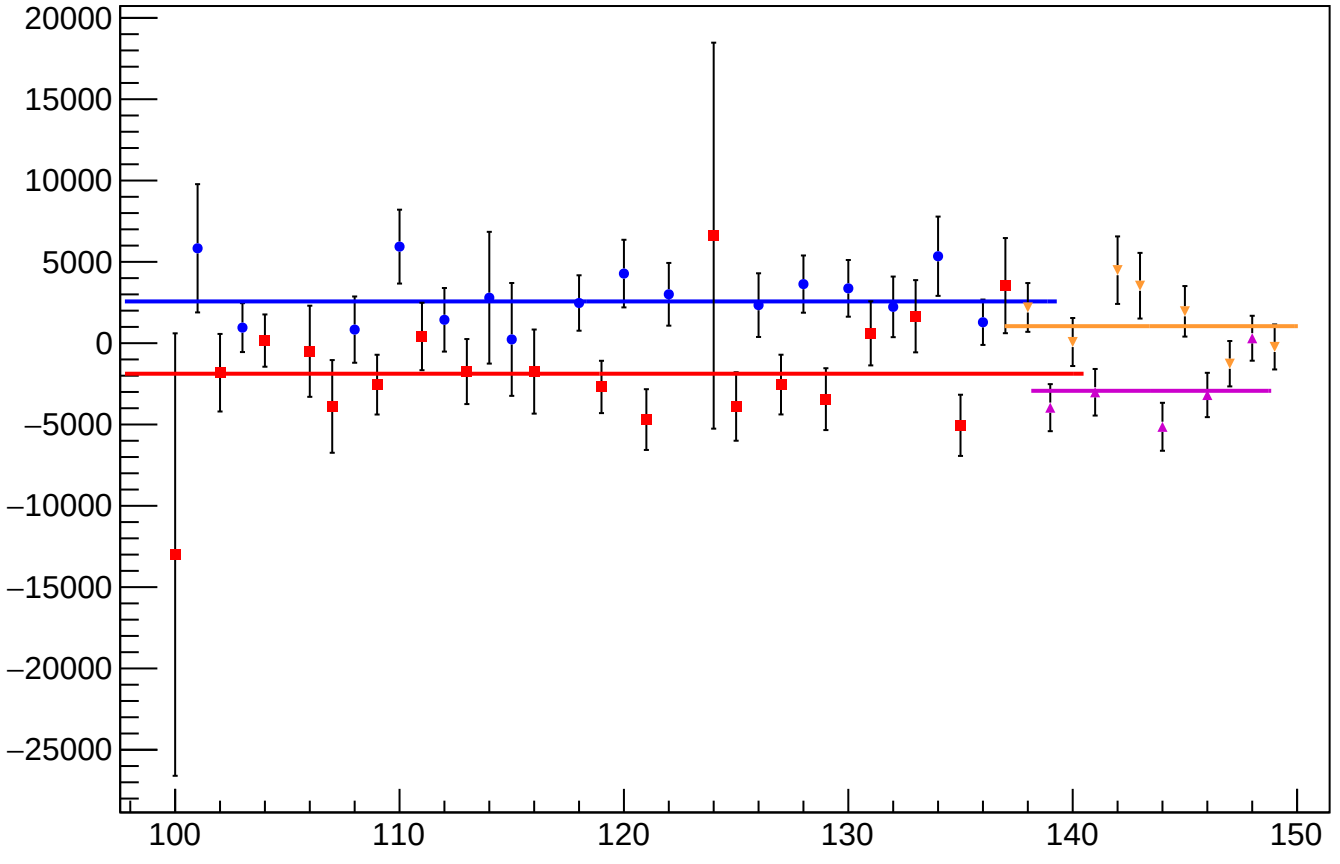
Left In: 0.000+/-0.000 χ^2/NDF:279488.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 4930037.4/22

All: 0.000+/-0.000 χ^2/NDF: 8105496.8/46

- sign 0.000+/-0.000 χ^2/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: 1045.773+/-594.385 χ^2/NDF:9.2/6

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

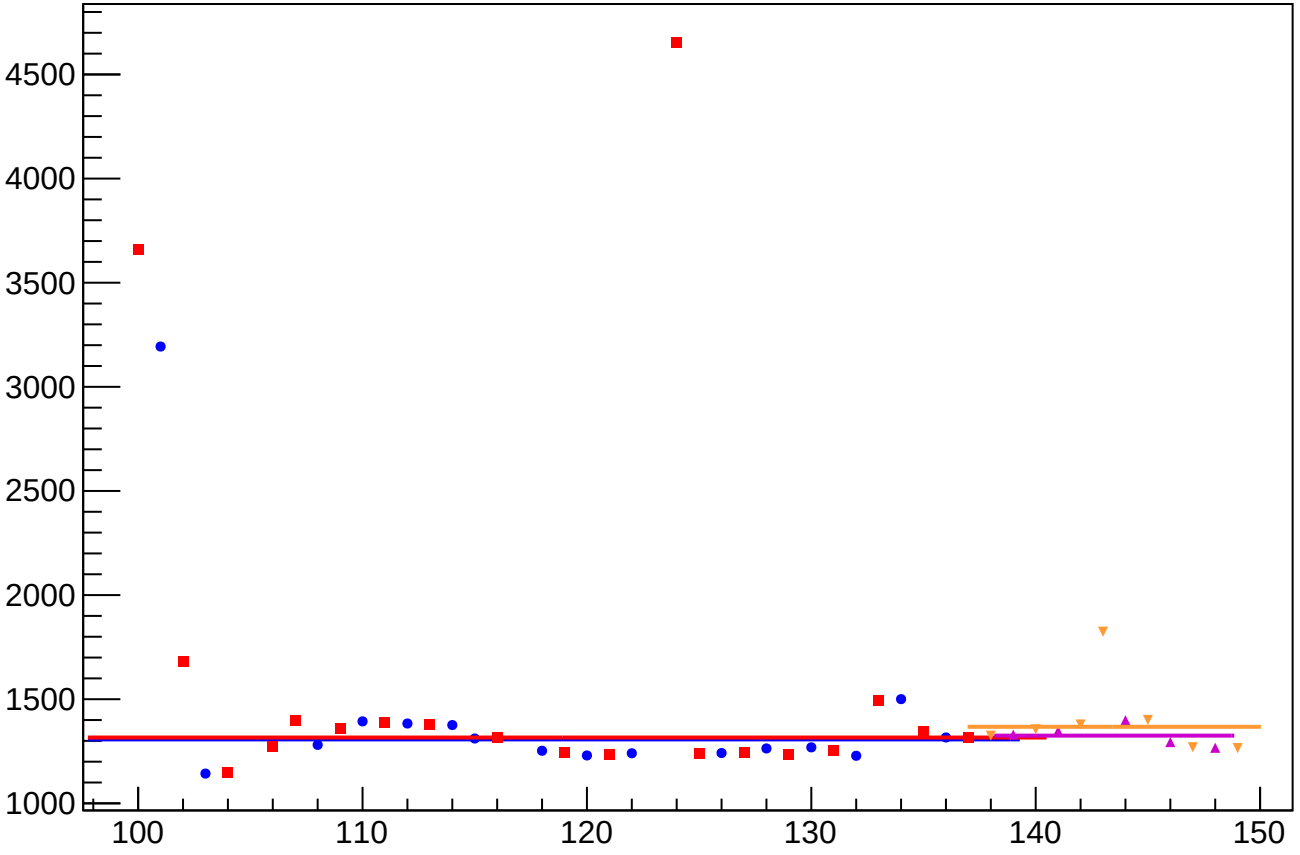
Left In: -2928.758+/-634.003 χ^2/NDF:8.3/4

+ sign 1943.753+/-380.536 χ^2/NDF: 22.1/22

All: -113.990+/-272.373 χ^2/NDF: 111.6/46

- 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: 1367.518+/-0.420 χ^2/NDF:125768.0/6

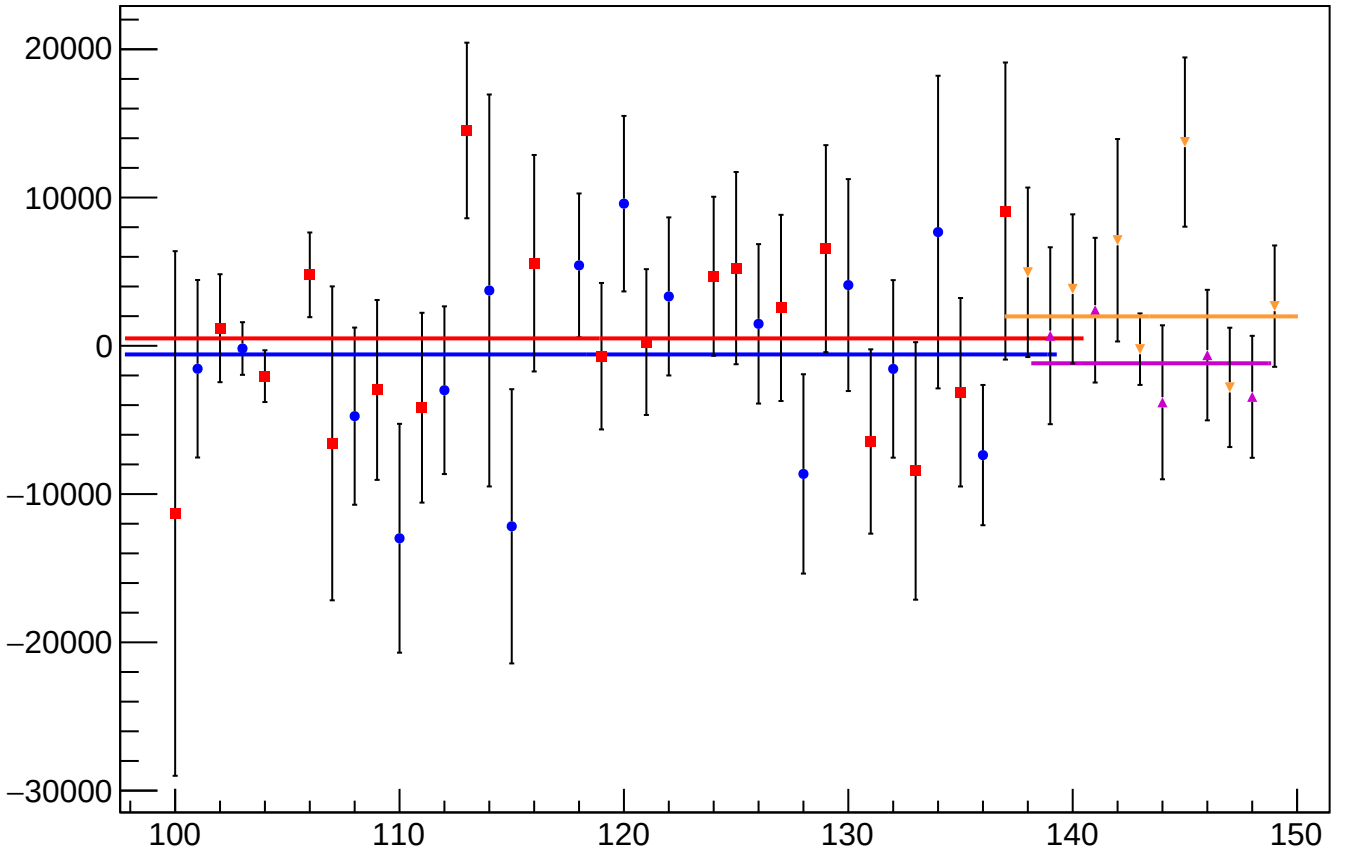
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1325.139+/-0.448 χ^2/NDF:10133.7/4

+ sign 1331.845+/-0.269 χ^2/NDF: 654224.5/22

All: 1325.788+/-0.192 χ^2/NDF: 992074.4/46

- 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: 1984.768+/-1550.762 χ^2/NDF:7.5/6

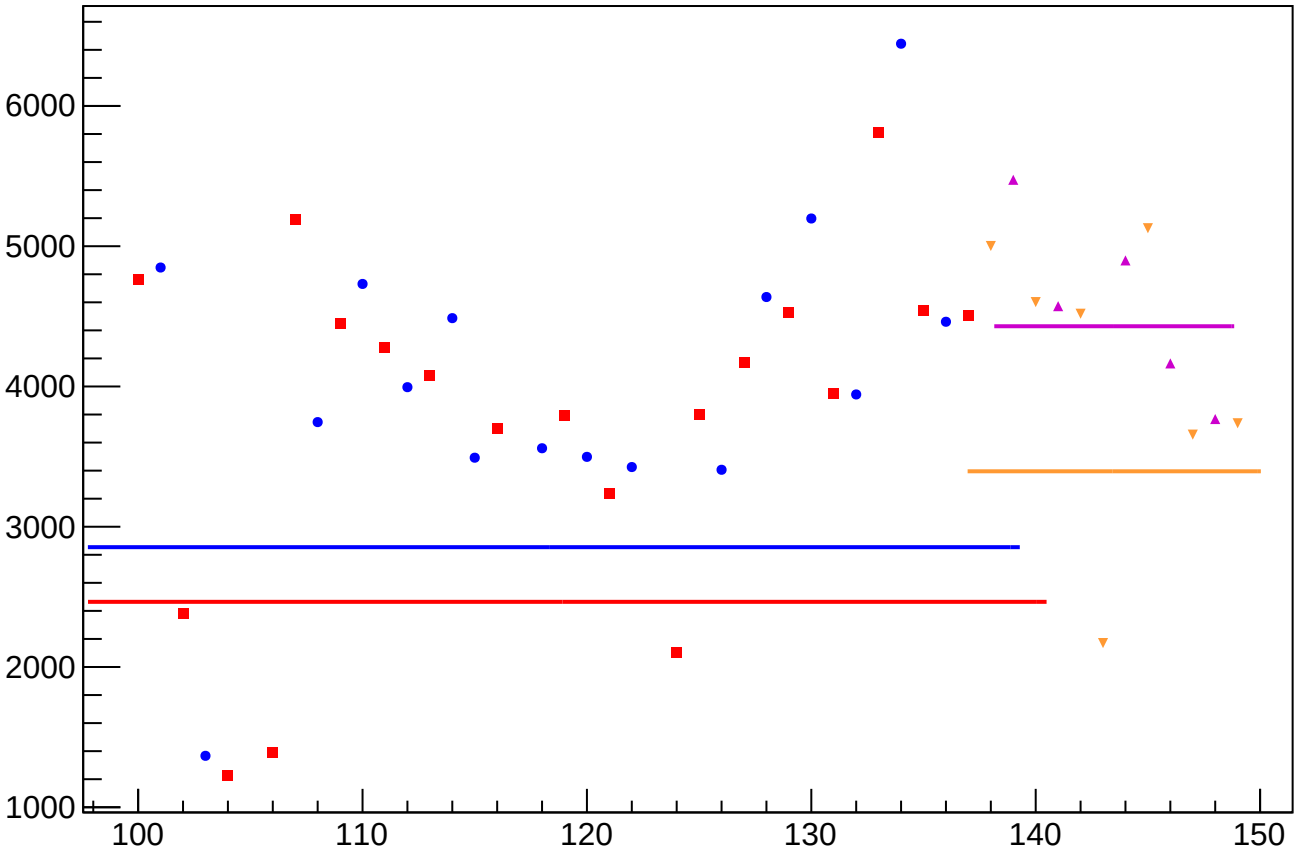
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -1179.065+/-2142.497 χ^2/NDF:1.2/4

+ sign 372.288+/-945.500 χ^2/NDF: 24.0/22

All: 272.373+/-669.024 χ^2/NDF: 43.4/46

- 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: 3395.258+/-1.097 χ^2/NDF:1050043.8/6

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

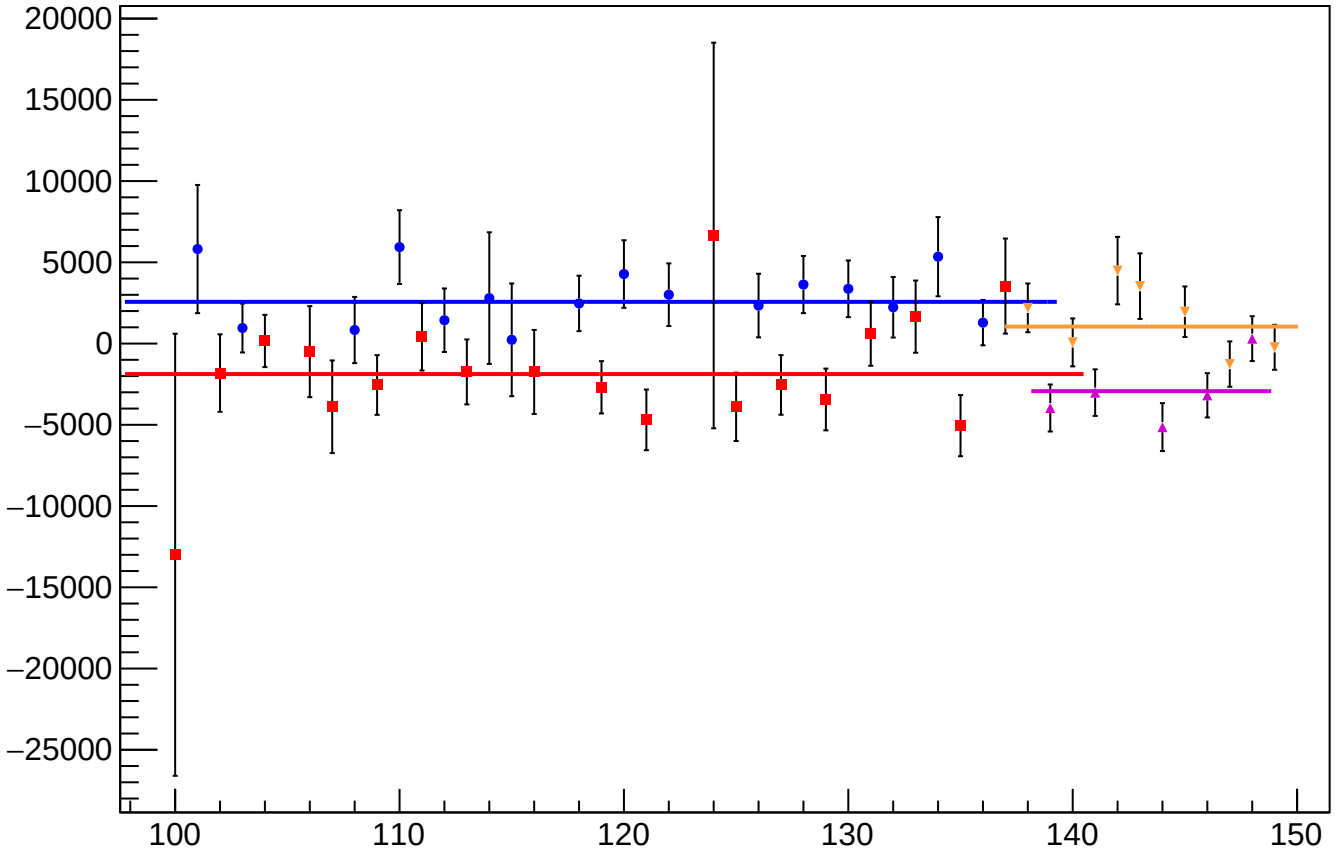
Left In: 4429.419+/-1.515 χ^2/NDF:138294.0/4

+ sign 3055.392+/-0.669 χ^2/NDF: 4107766.8/22

All: 2951.982+/-0.473 χ^2/NDF: 9003491.5/46

- 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: 1045.704+/-594.385 χ^2/NDF:9.2/6

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

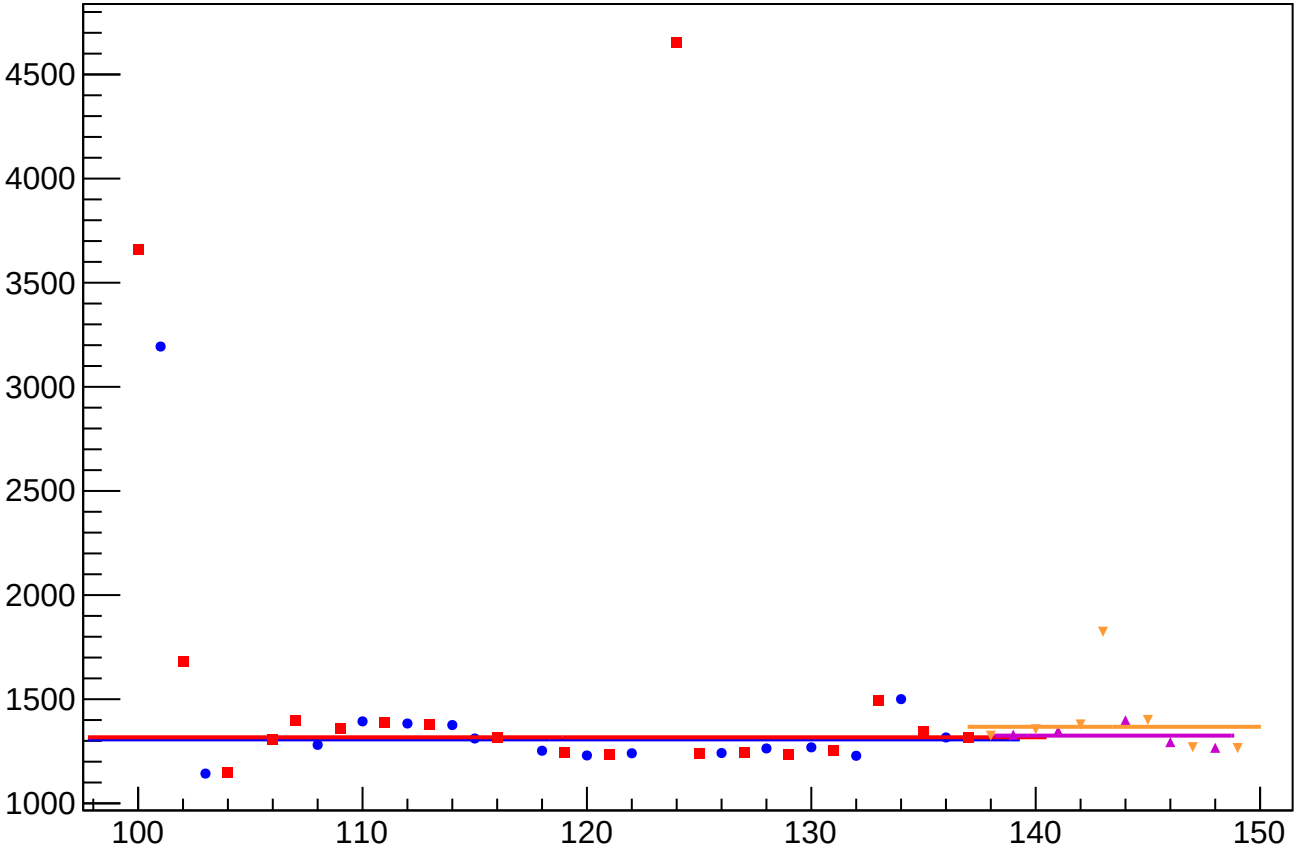
Left In: -2928.998+/-634.003 χ^2/NDF:8.3/4

+ sign 1943.559+/-380.536 χ^2/NDF: 22.1/22

All: -114.056+/-272.374 χ^2/NDF: 111.6/46

- 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: 1367.518+/-0.420 χ^2/NDF:125768.0/6

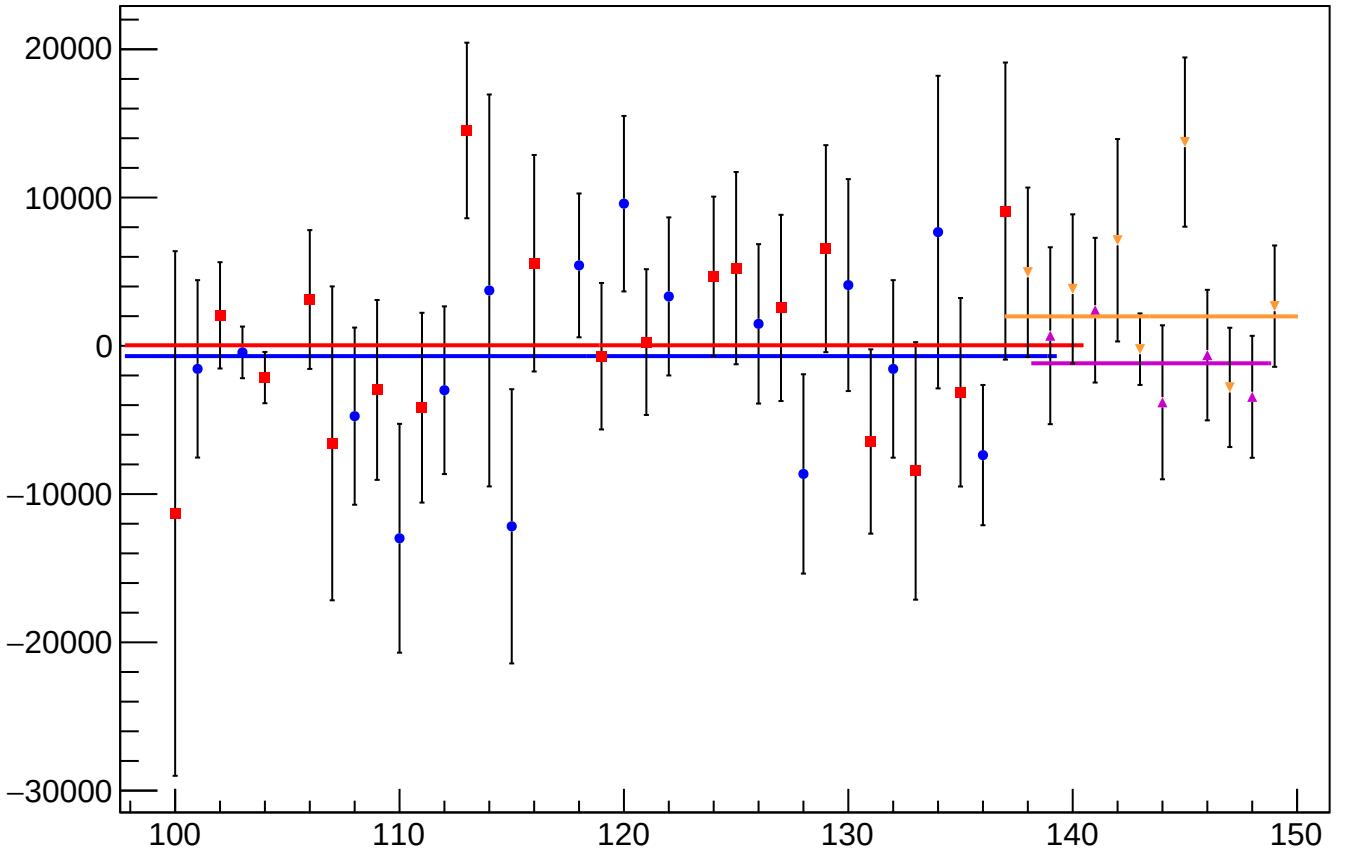
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1325.139+/-0.448 χ^2/NDF:10133.7/4

+ sign 1331.845+/-0.269 χ^2/NDF: 654226.1/22

All: 1326.136+/-0.192 χ^2/NDF: 991407.3/46

- 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: 1984.716+/-1550.753 χ^2/NDF:7.5/6

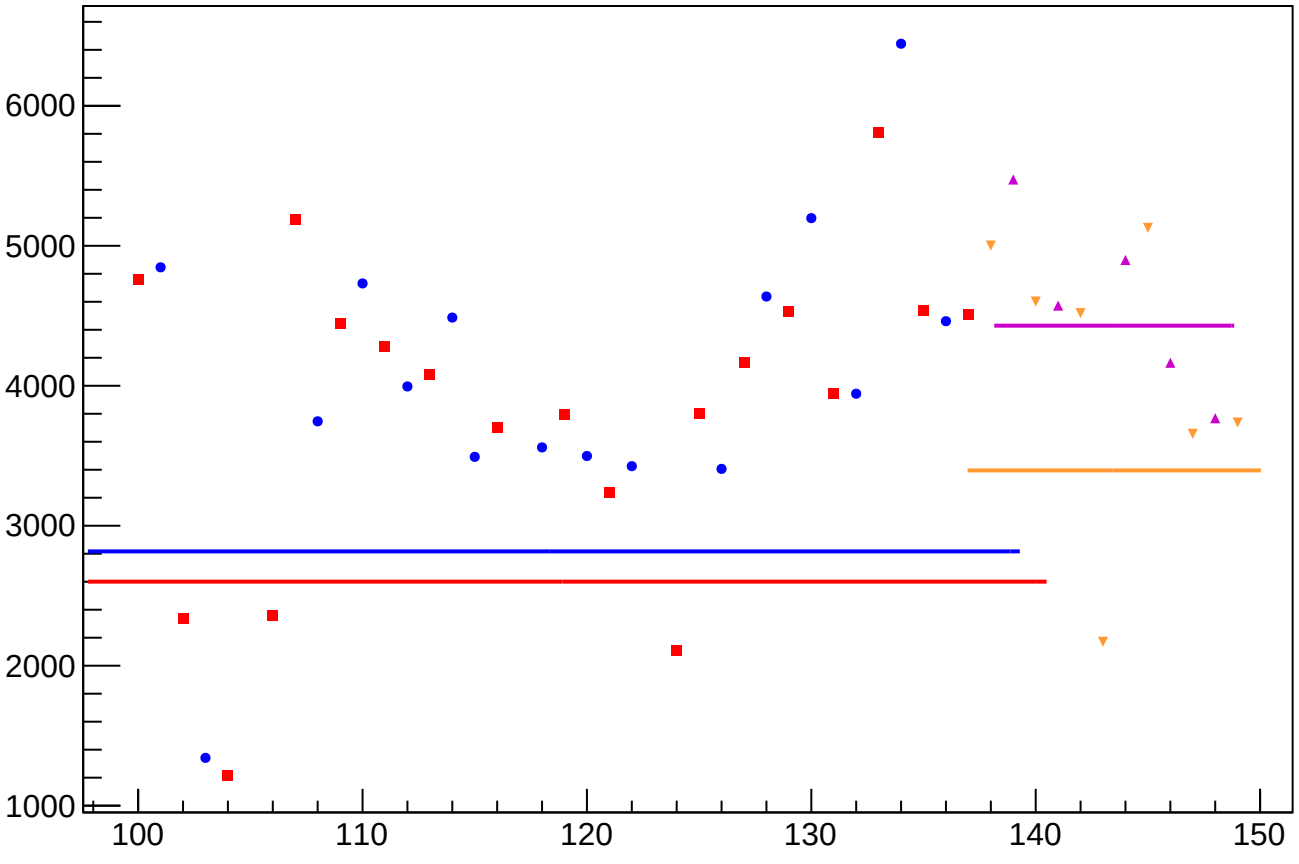
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1179.100+/-2142.495 χ^2/NDF:1.2/4

+ sign 290.027+/-940.279 χ^2/NDF: 24.1/22

All: 46.424+/-677.587 χ^2/NDF: 41.6/46

- 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: 3395.230+/-1.097 χ^2/NDF:1050075.9/6

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

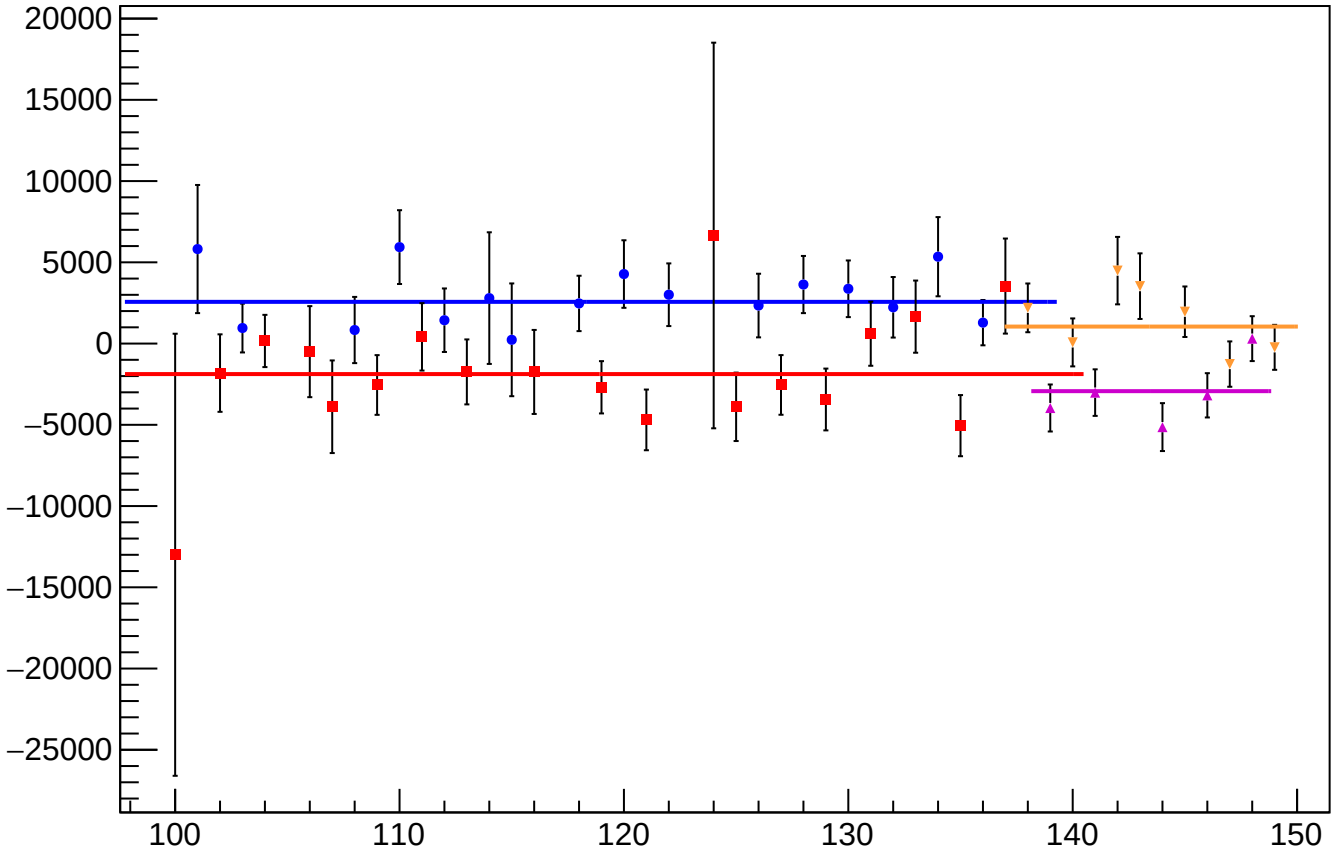
Left In: 4429.414+/-1.515 χ^2/NDF:138296.8/4

+ sign 3029.447+/-0.665 χ^2/NDF: 4233613.2/22

All: 3006.190+/-0.479 χ^2/NDF: 8609346.8/46

- 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: 1045.704+/-594.385 χ^2/NDF:9.2/6

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

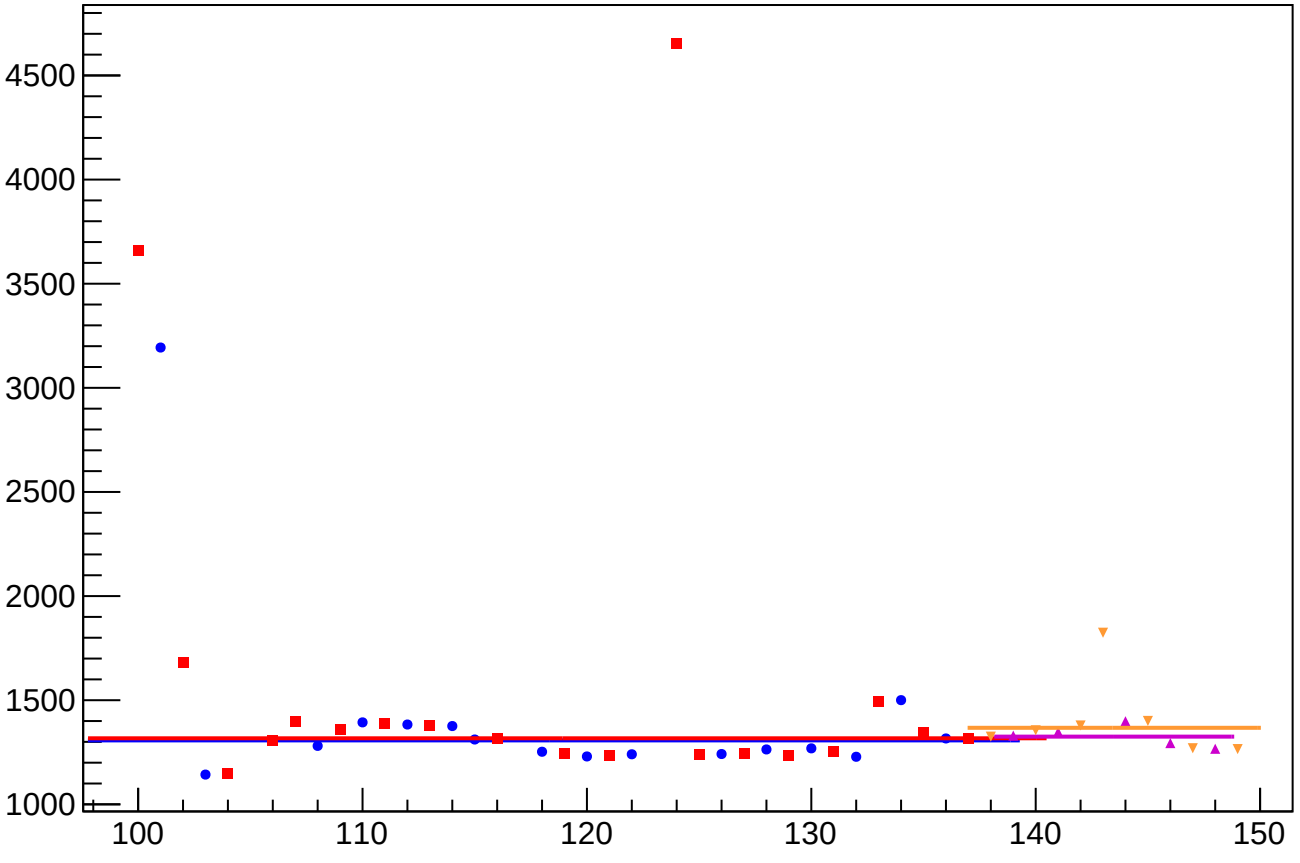
Left In: -2928.998+/-634.003 χ^2/NDF:8.3/4

+ sign 1943.559+/-380.536 χ^2/NDF: 22.1/22

All: -114.056+/-272.374 χ^2/NDF: 111.6/46

- 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: 1367.518+/-0.420 χ^2/NDF:125768.0/6

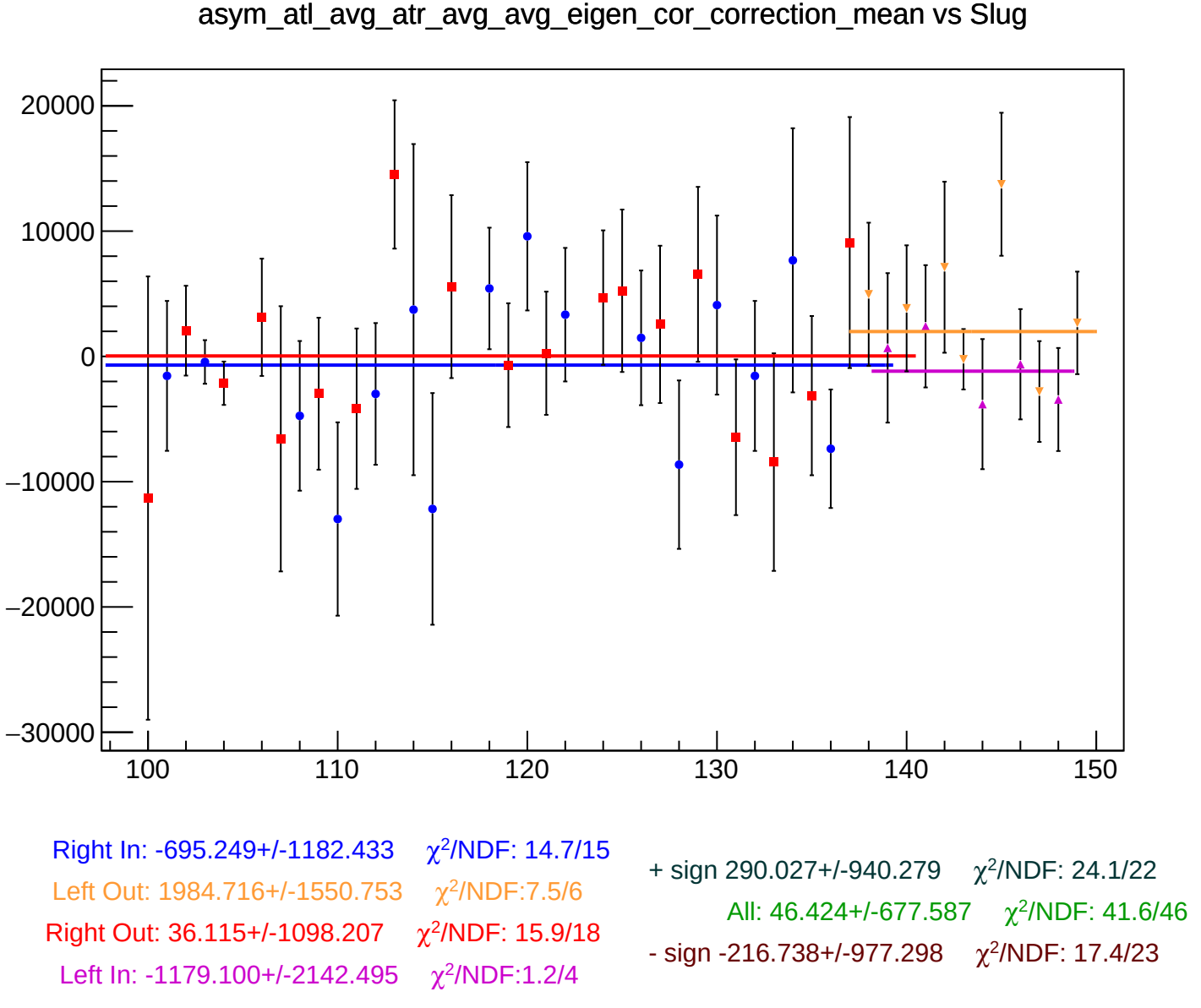
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

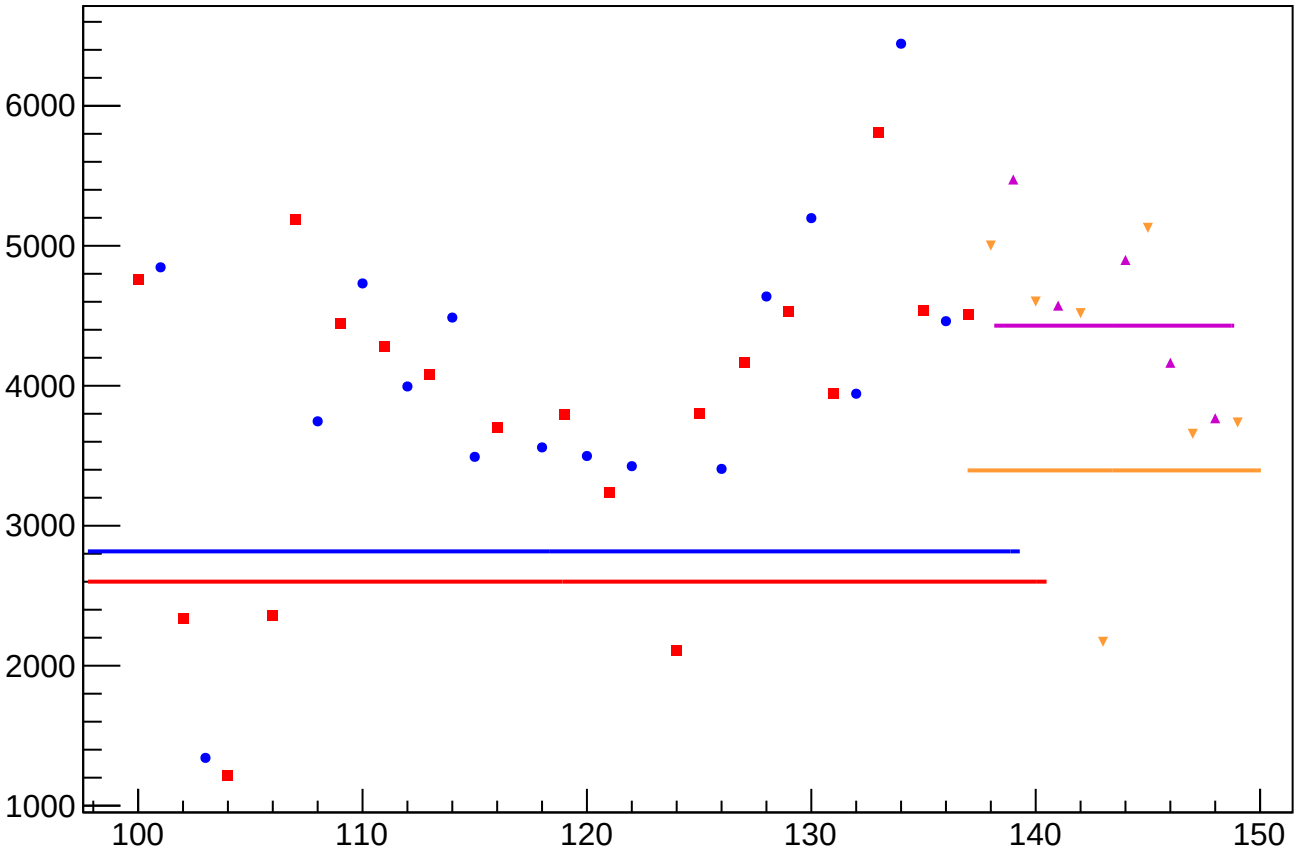
Left In: 1325.139+/-0.448 χ^2/NDF:10133.7/4

+ sign 1331.845+/-0.269 χ^2/NDF: 654226.1/22

All: 1326.136+/-0.192 χ^2/NDF: 991407.3/46

- sign 1320.153+/-0.275 χ^2/NDF: 336259.3/23


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: 1984.716+/-1550.753 χ²/NDF:7.5/6
Right Out: 36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: -1179.100+/-2142.495 χ²/NDF:1.2/4
+ sign 290.027+/-940.279 χ²/NDF: 24.1/22
All: 46.424+/-677.587 χ²/NDF: 41.6/46
- sign -216.738+/-977.298 χ²/NDF: 17.4/23



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3395.230+/-1.097 χ^2/NDF:1050075.9/6

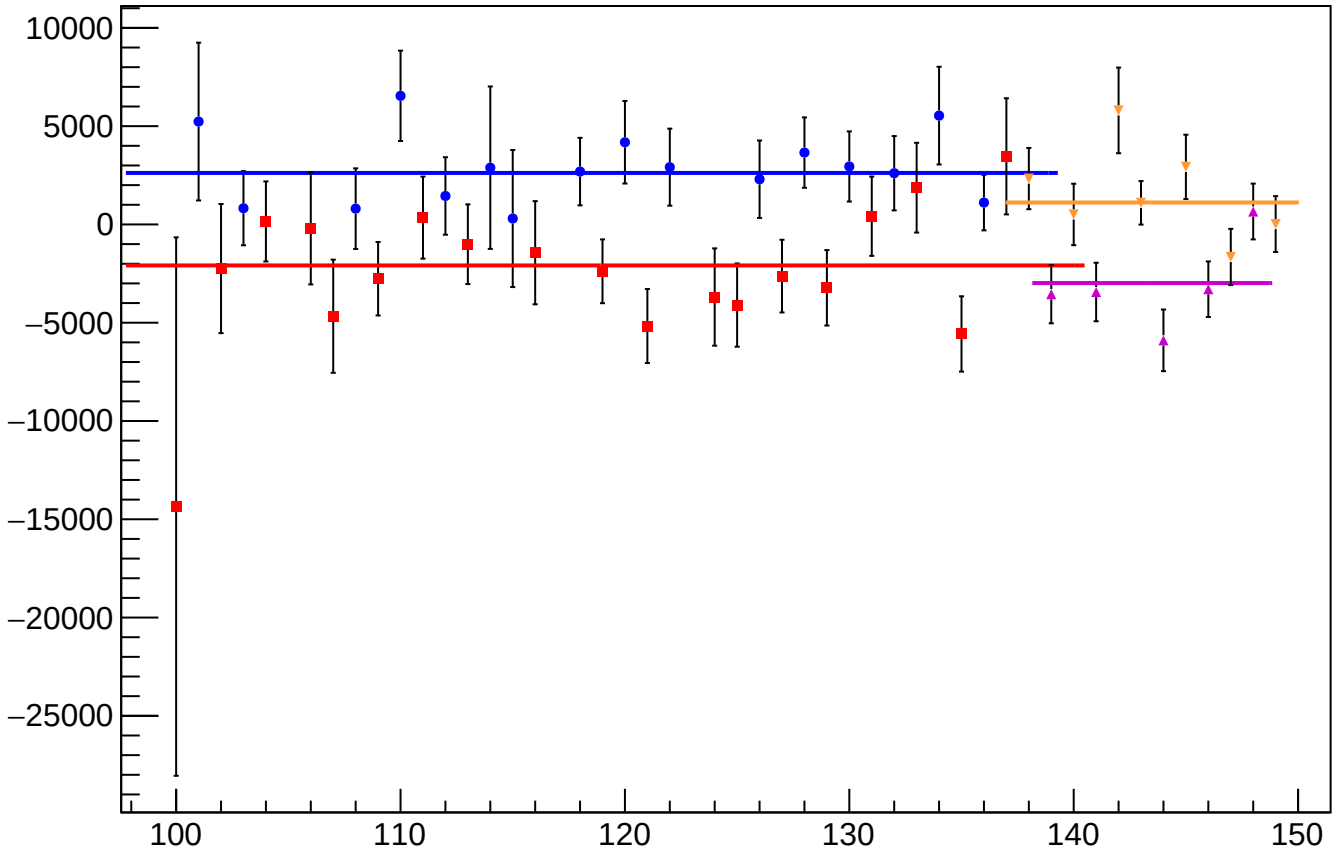
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4429.414+/-1.515 χ^2/NDF:138296.8/4

\+ sign 3029.447+/-0.665 χ^2/NDF: 4233613.2/22

All: 3006.190+/-0.479 χ^2/NDF: 8609346.8/46

\- 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: 1117.598+/-558.505 χ^2/NDF:11.0/6

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

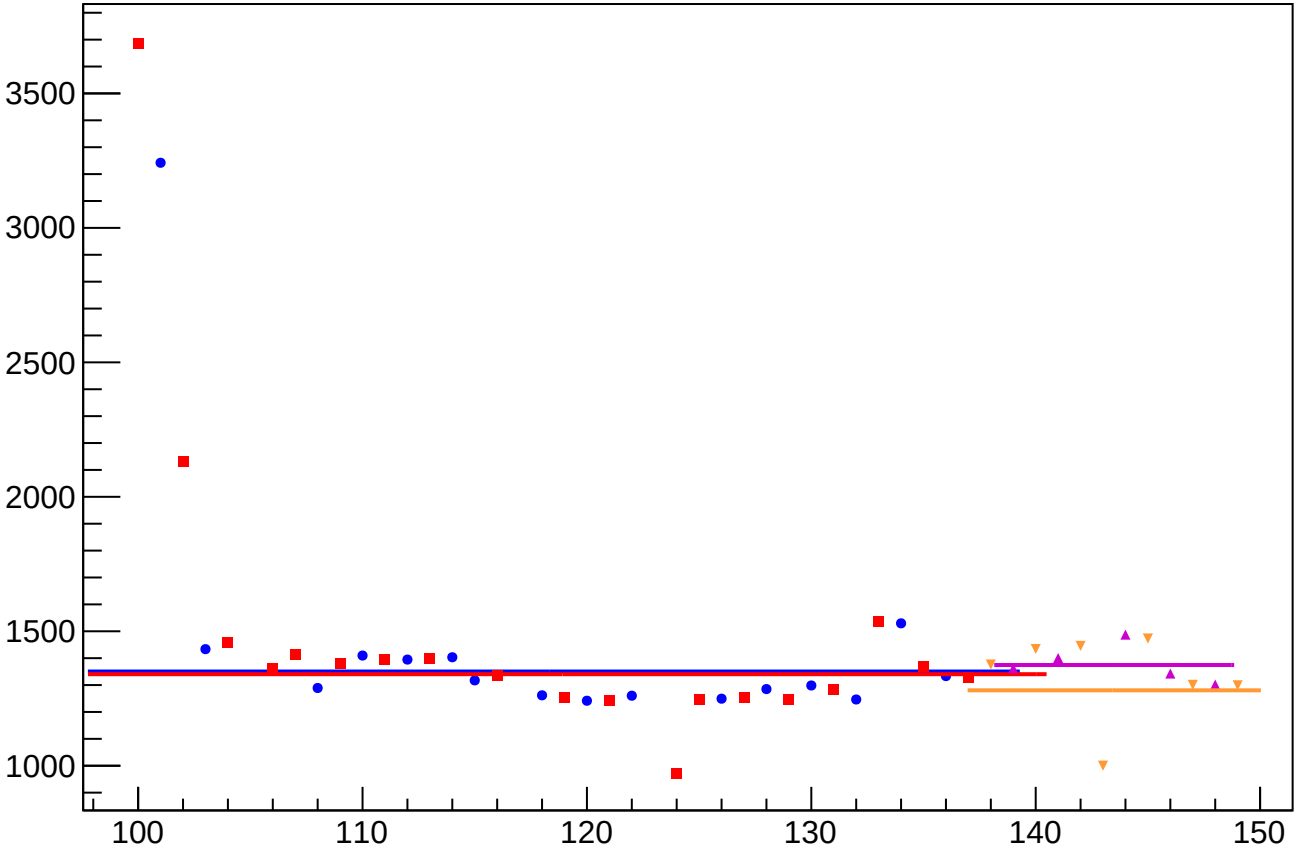
Left In: -2981.492+/-658.071 χ^2/NDF:10.3/4

+ sign 1934.948+/-377.214 χ^2/NDF: 24.2/22

All: -110.733+/-274.615 χ^2/NDF: 119.2/46

- 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: 1280.432+/-0.395 χ^2/NDF:194988.0/6

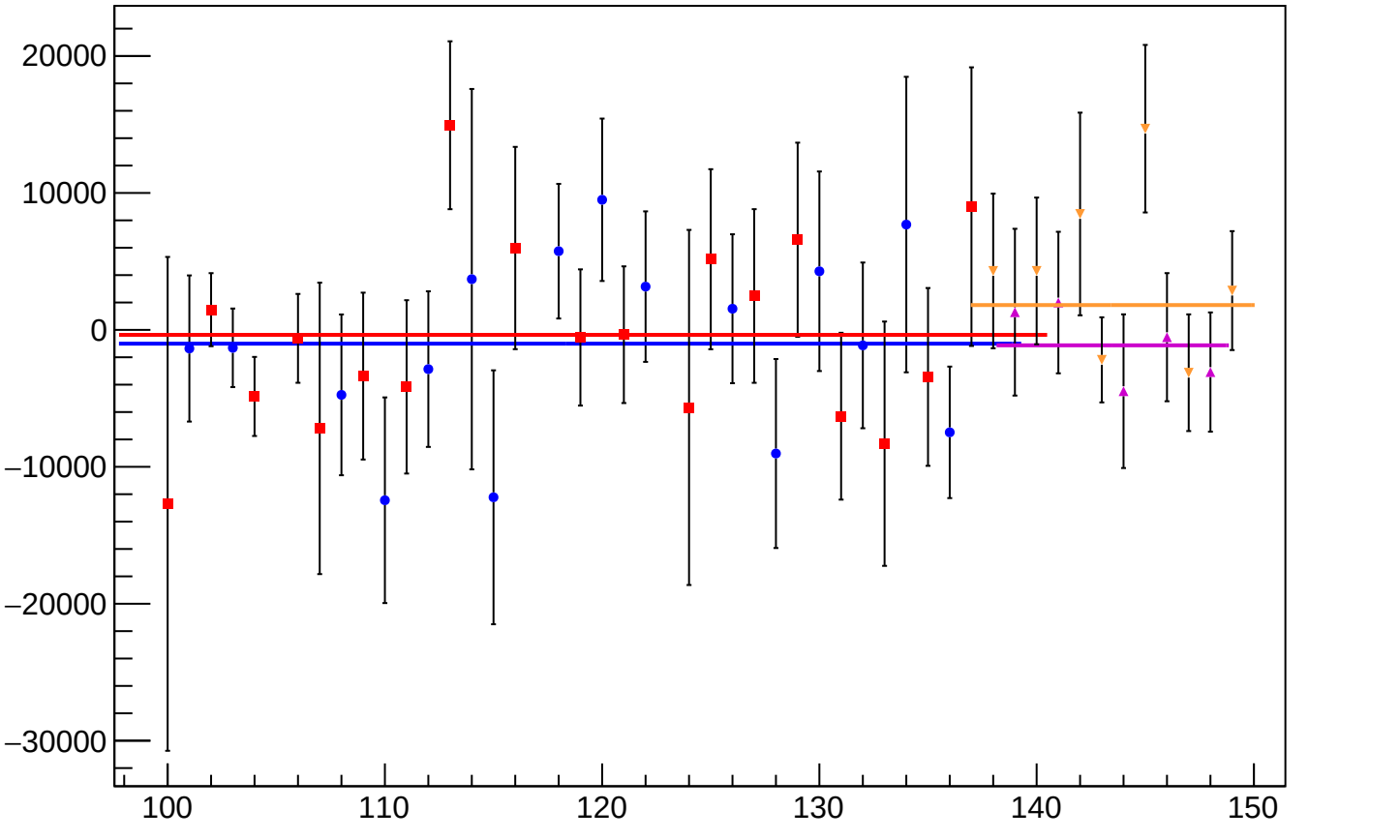
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1374.617+/-0.465 χ^2/NDF:17407.5/4

+ sign 1318.467+/-0.267 χ^2/NDF: 706094.1/22

All: 1334.745+/-0.194 χ^2/NDF: 1007005.7/46

- 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: 1813.052+/-1759.836 χ^2/NDF:8.7/6

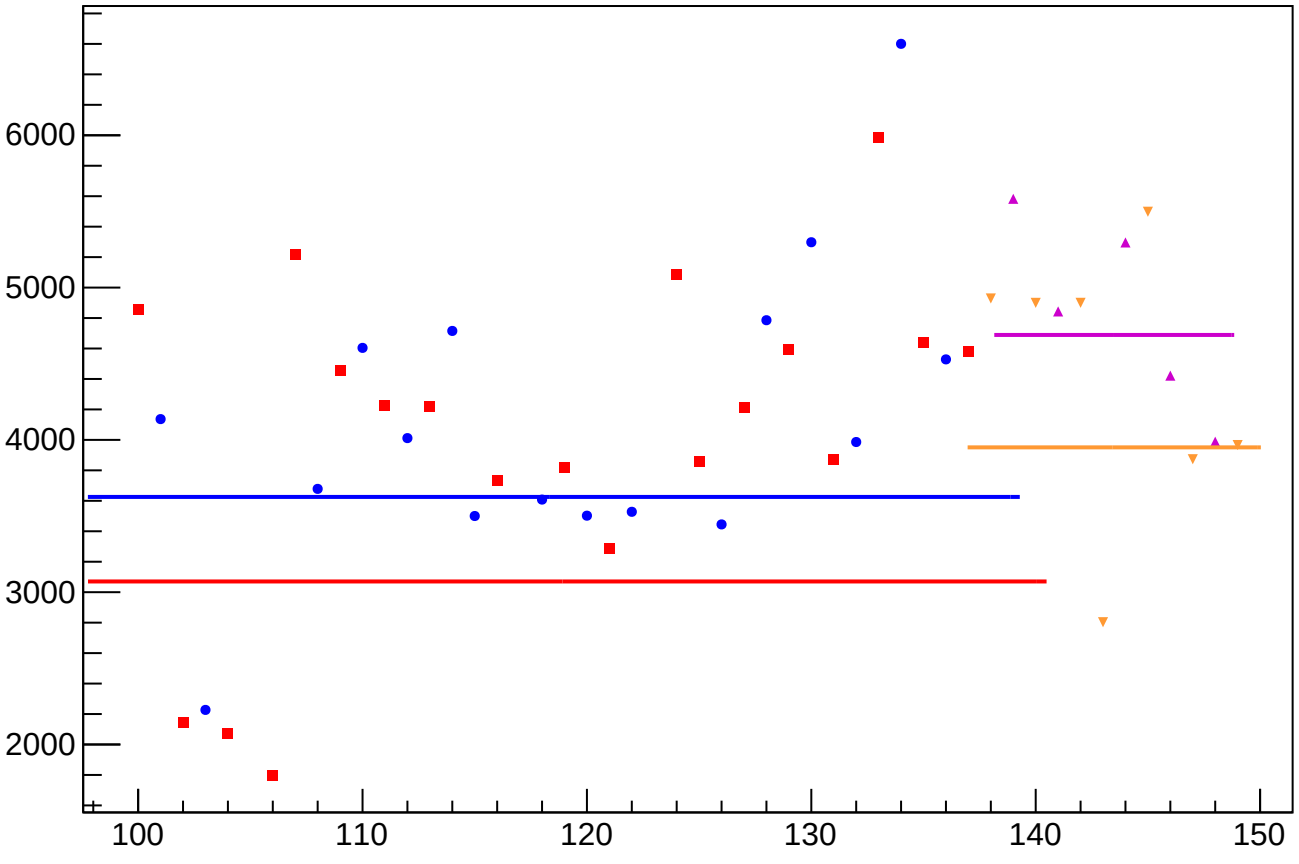
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -1127.357+/-2266.998 χ^2/NDF:1.1/4

+ sign 90.406+/-1097.735 χ^2/NDF: 24.9/22

All: -231.005+/-763.380 χ^2/NDF: 42.4/46

- 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: 3950.875+/-1.244 χ^2/NDF:557286.9/6

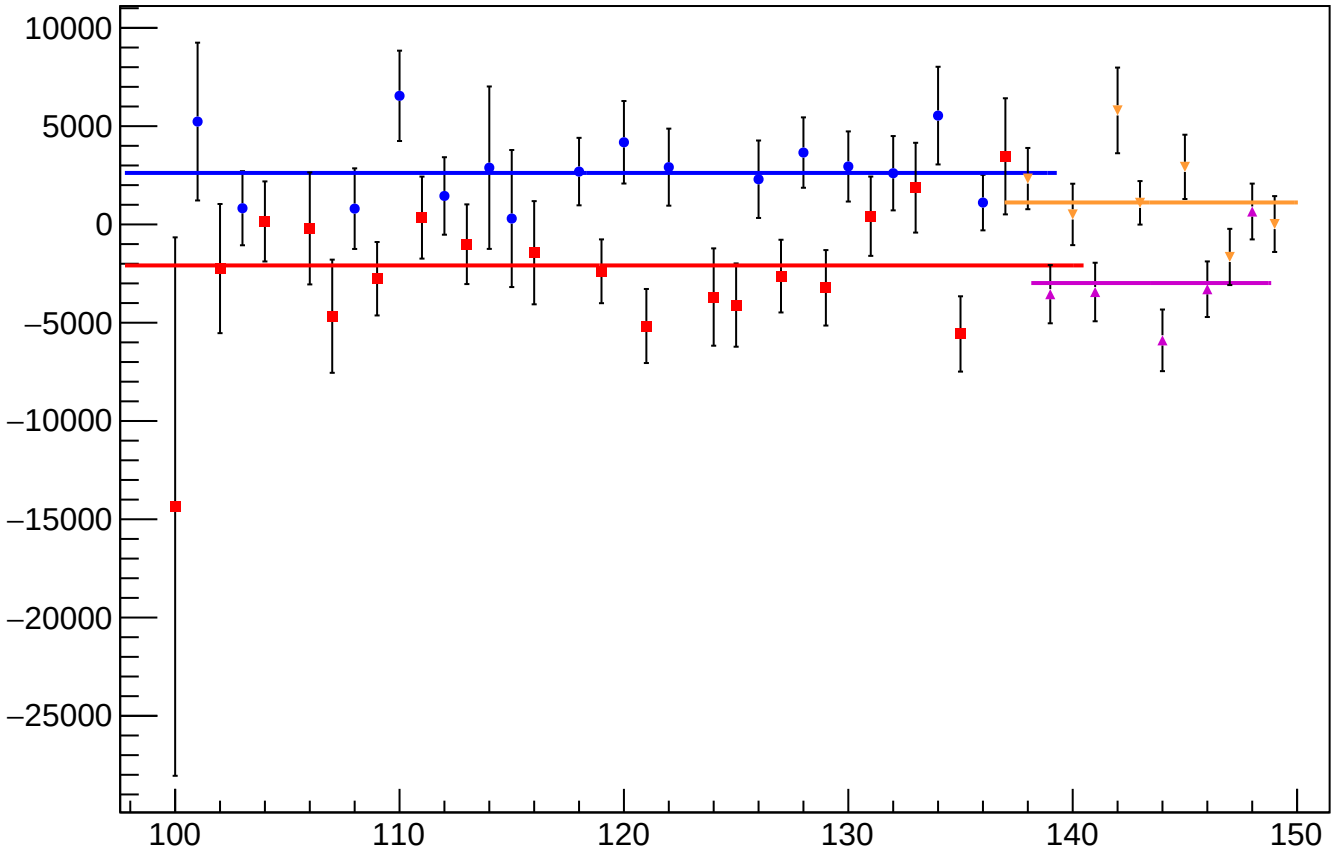
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4689.027+/-1.603 χ^2/NDF:126634.4/4

+ sign 3752.107+/-0.776 χ^2/NDF: 1543955.9/22

All: 3583.630+/-0.540 χ^2/NDF: 4396136.9/46

- 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: 1117.602+/-558.506 χ^2/NDF:11.0/6

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

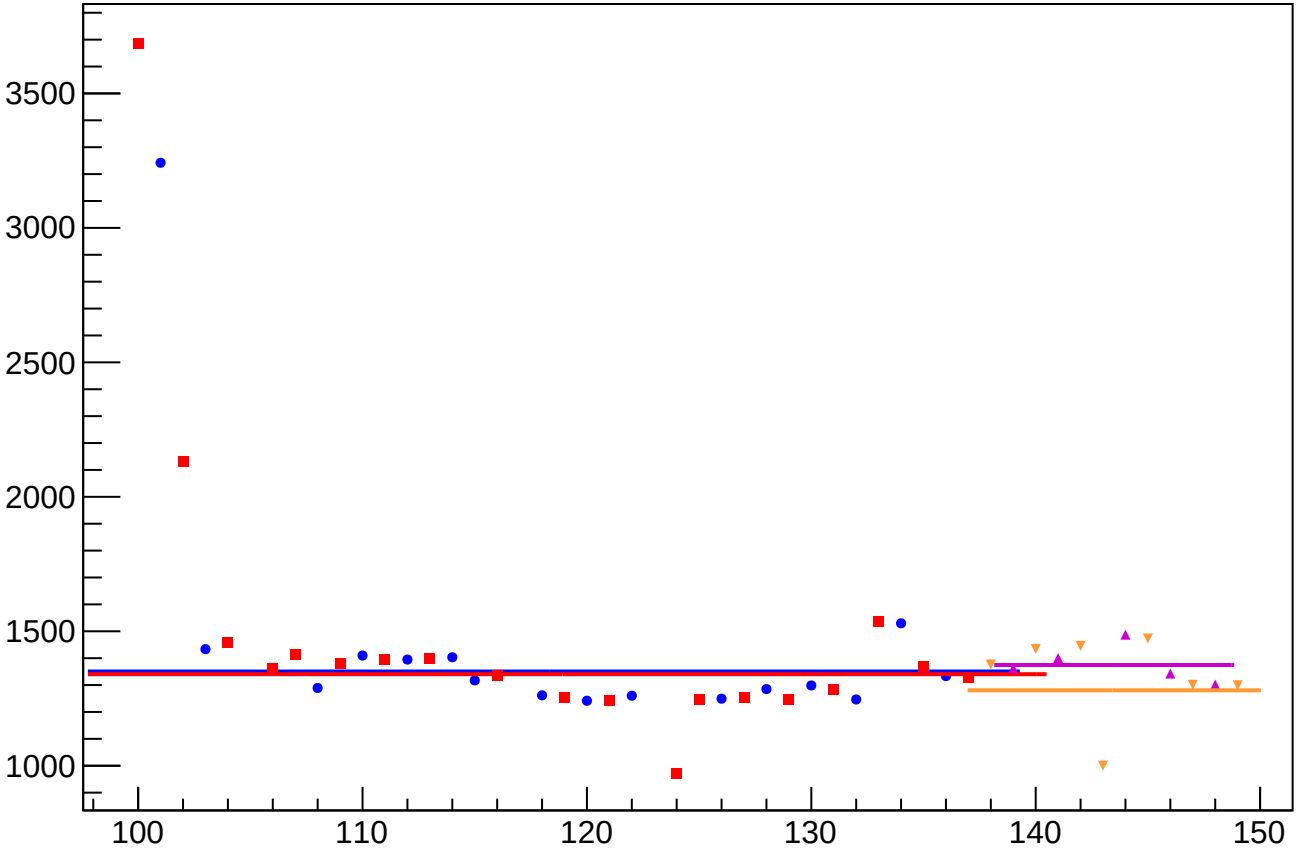
Left In: -2981.487+/-658.071 χ^2/NDF:10.3/4

+ sign 1934.951+/-377.214 χ^2/NDF: 24.2/22

All: -110.732+/-274.616 χ^2/NDF: 119.2/46

- 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: 1280.433+/-0.395 χ^2/NDF:194988.2/6

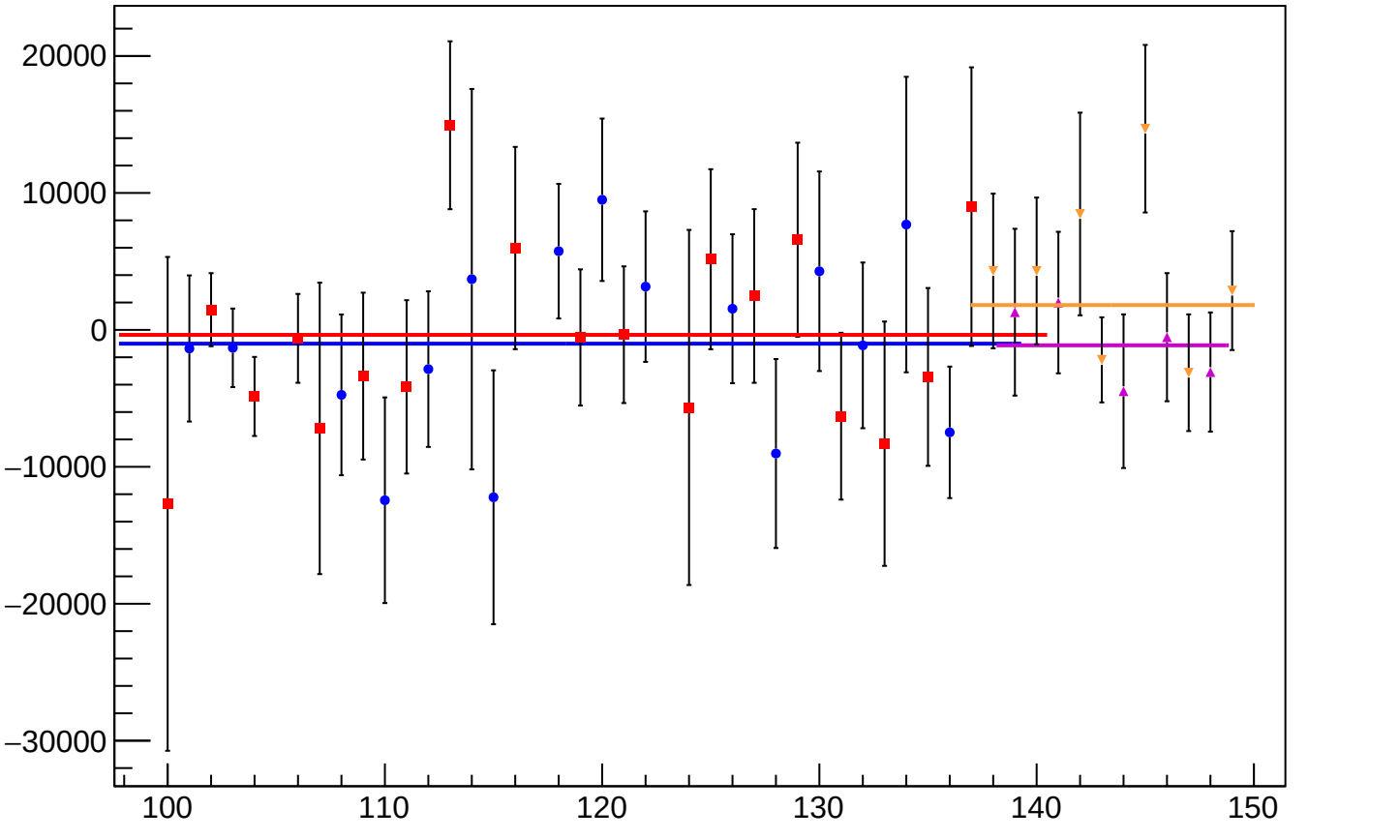
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1374.619+/-0.465 χ^2/NDF:17407.7/4

+ sign 1318.467+/-0.267 χ^2/NDF: 706093.7/22

All: 1334.745+/-0.194 χ^2/NDF: 1007004.9/46

- 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: 1813.052+/-1759.839 χ^2/NDF:8.7/6

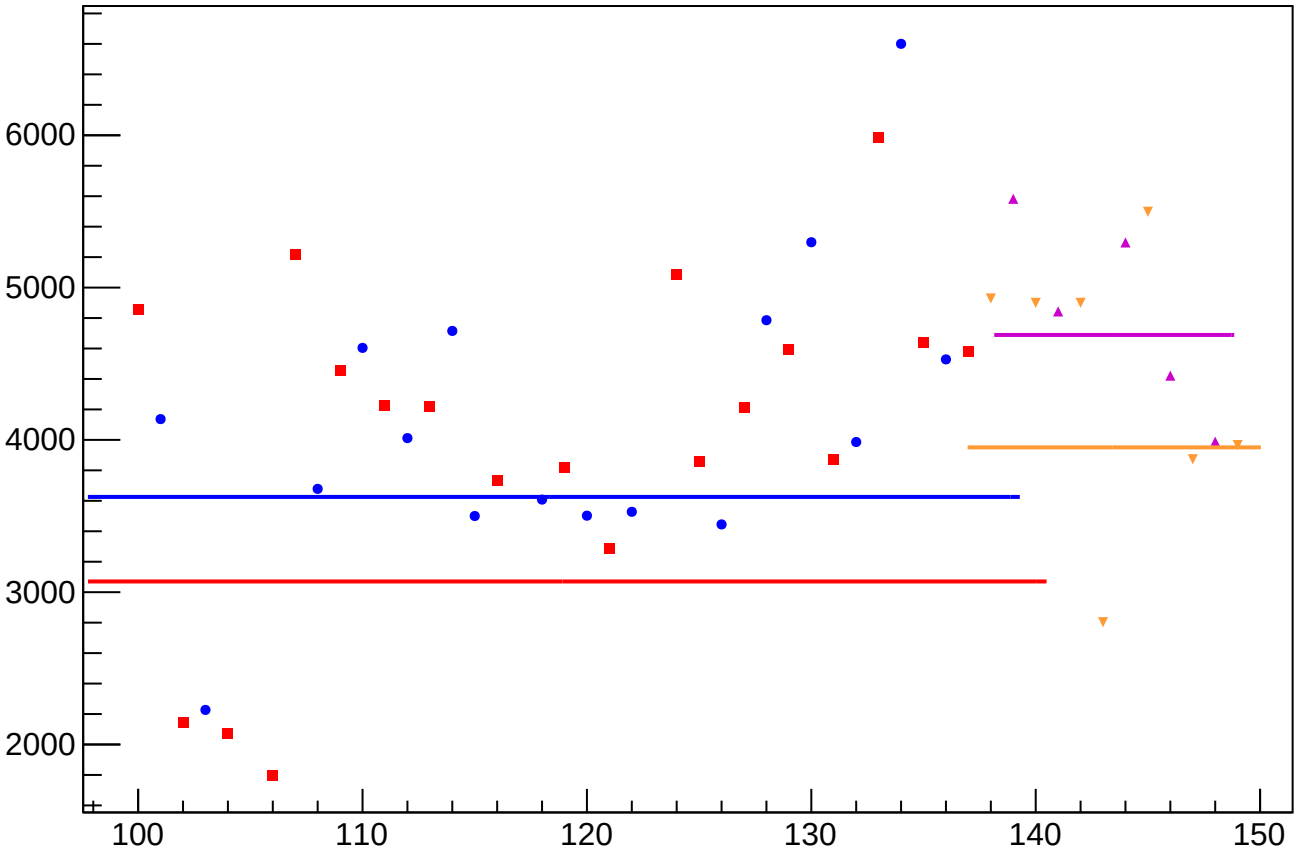
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -1127.353+/-2267.001 χ^2/NDF:1.1/4

+ sign 90.406+/-1097.734 χ^2/NDF: 24.9/22

All: -231.005+/-763.379 χ^2/NDF: 42.4/46

- 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: 3950.881+/-1.244 χ^2/NDF:557287.1/6

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

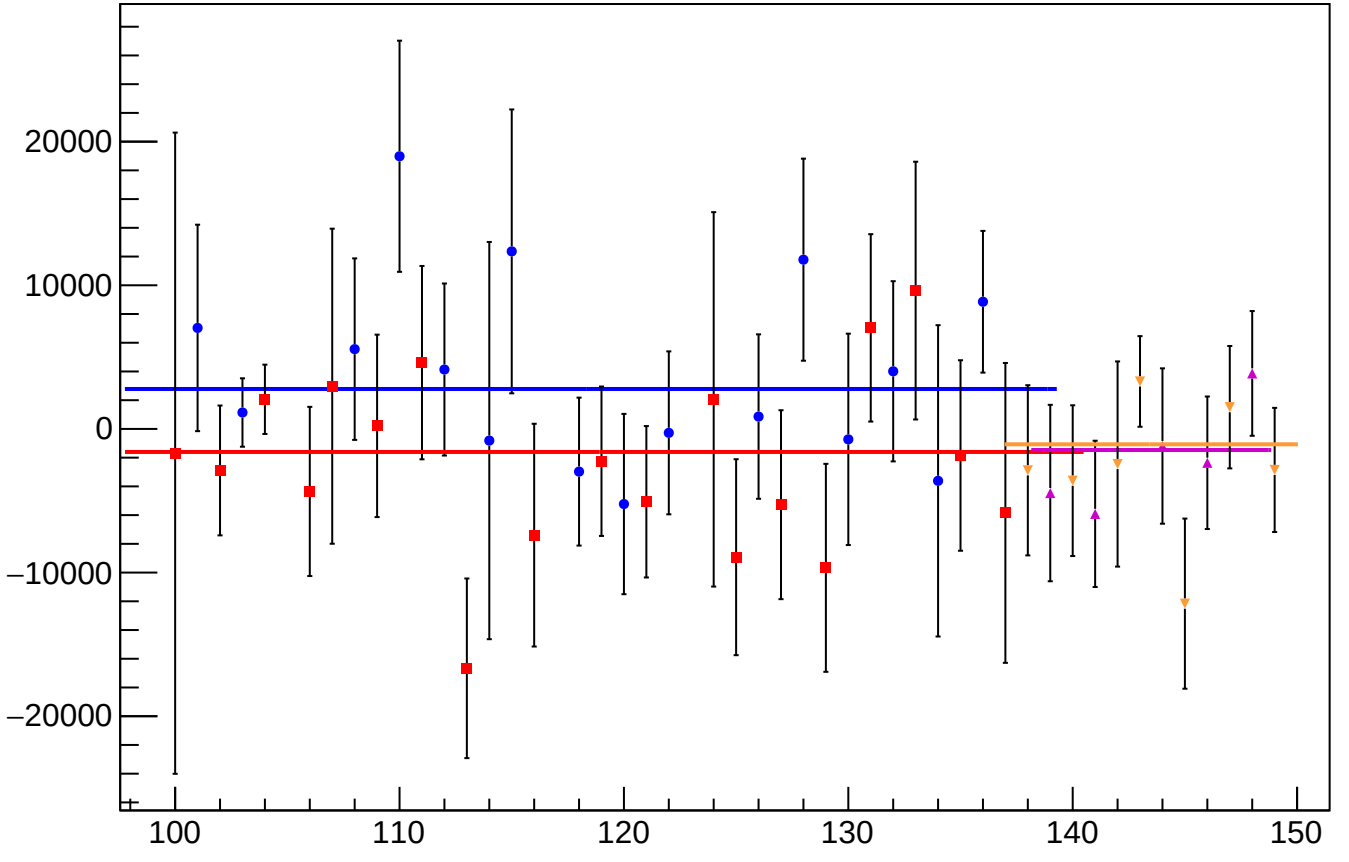
Left In: 4689.034+/-1.603 χ^2/NDF:126635.3/4

+ sign 3752.104+/-0.776 χ^2/NDF: 1543962.2/22

All: 3583.624+/-0.540 χ^2/NDF: 4396163.2/46

- 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: -1071.012+/-1762.190 χ^2/NDF:6.3/6

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

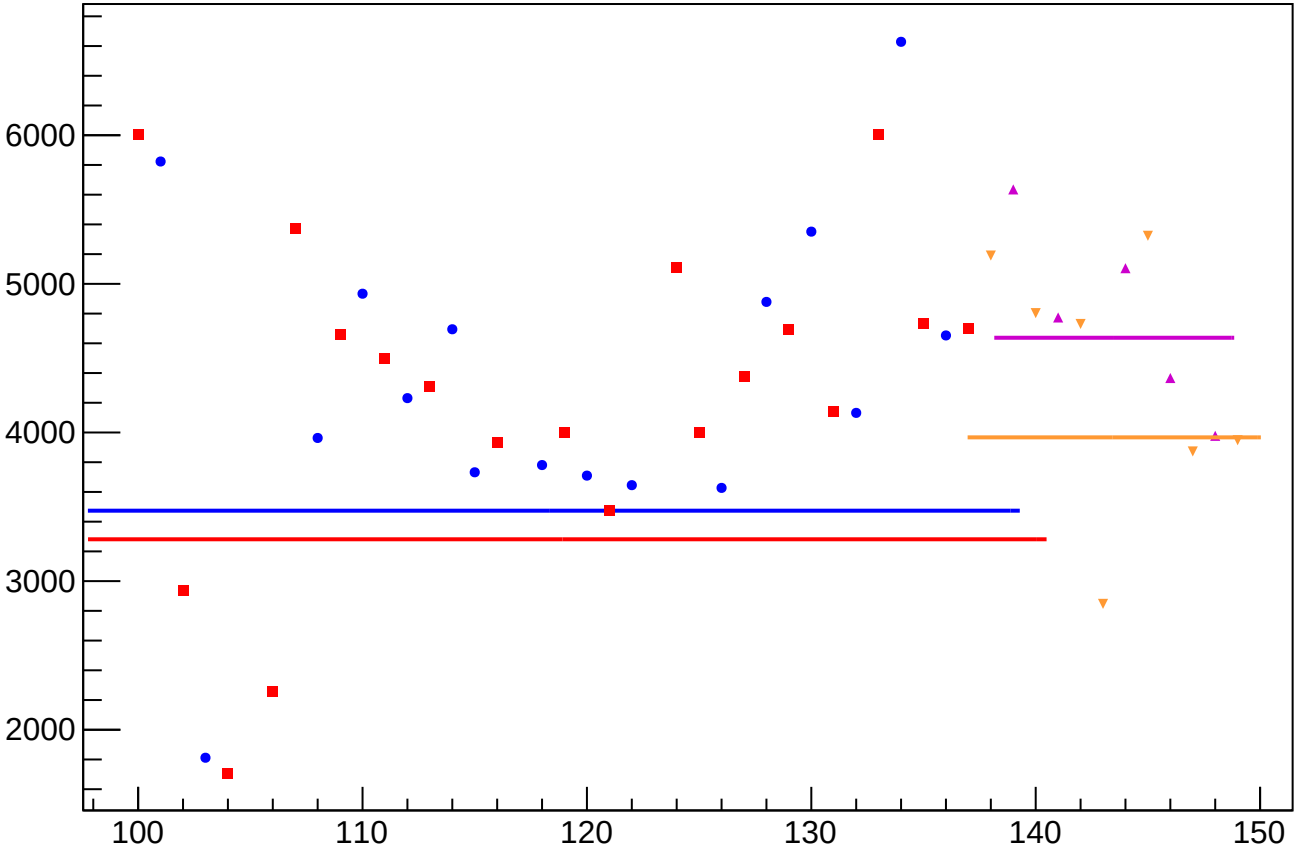
Left In: -1468.966+/-2239.836 χ^2/NDF:2.5/4

+ sign 1304.220+/-1091.078 χ^2/NDF: 22.5/22

All: -58.641+/-790.879 χ^2/NDF: 45.1/46

- sign -1567.512+/-1148.037 χ^2/NDF: 19.3/23

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 3967.230+/-1.246 χ^2/NDF:516947.1/6

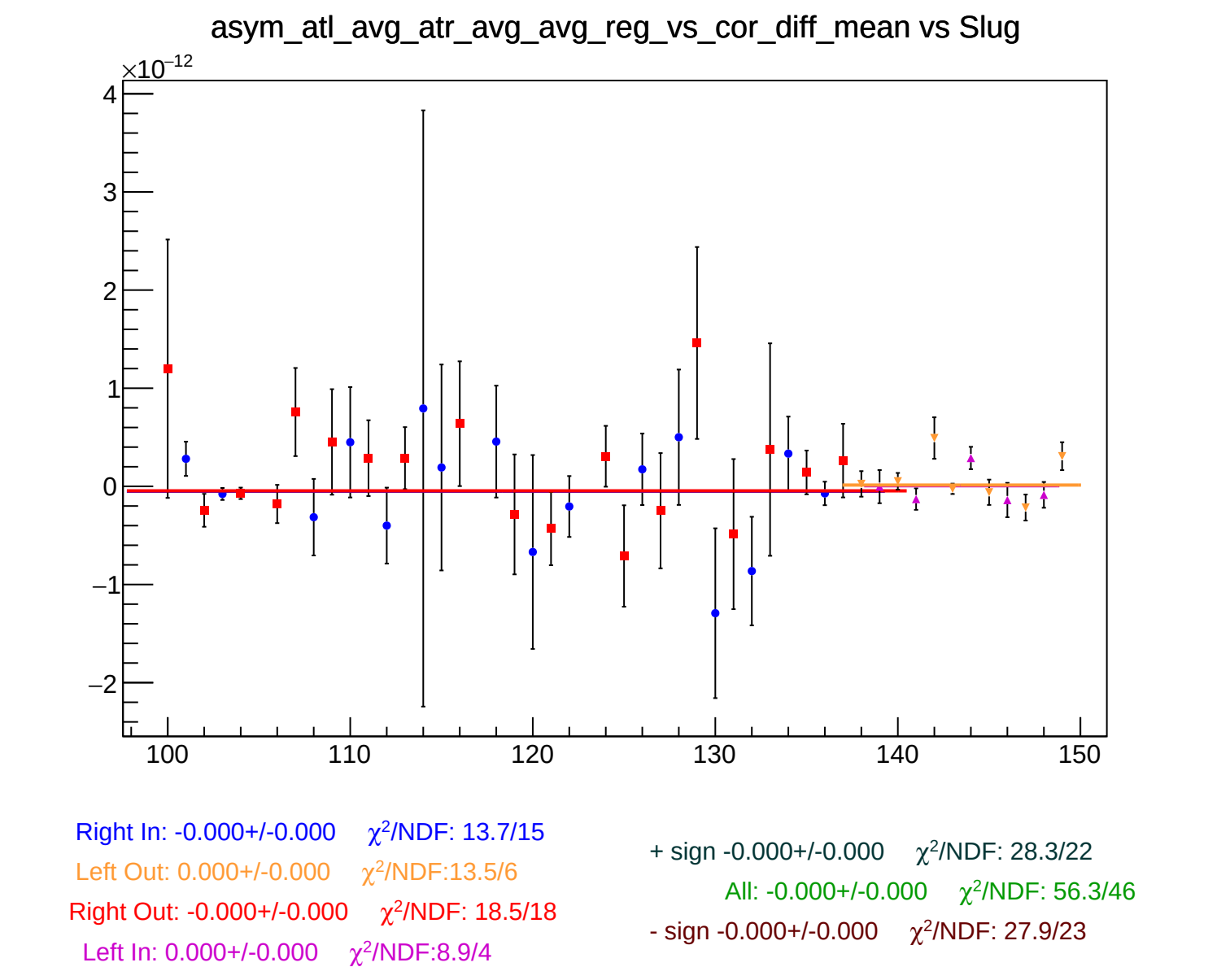
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

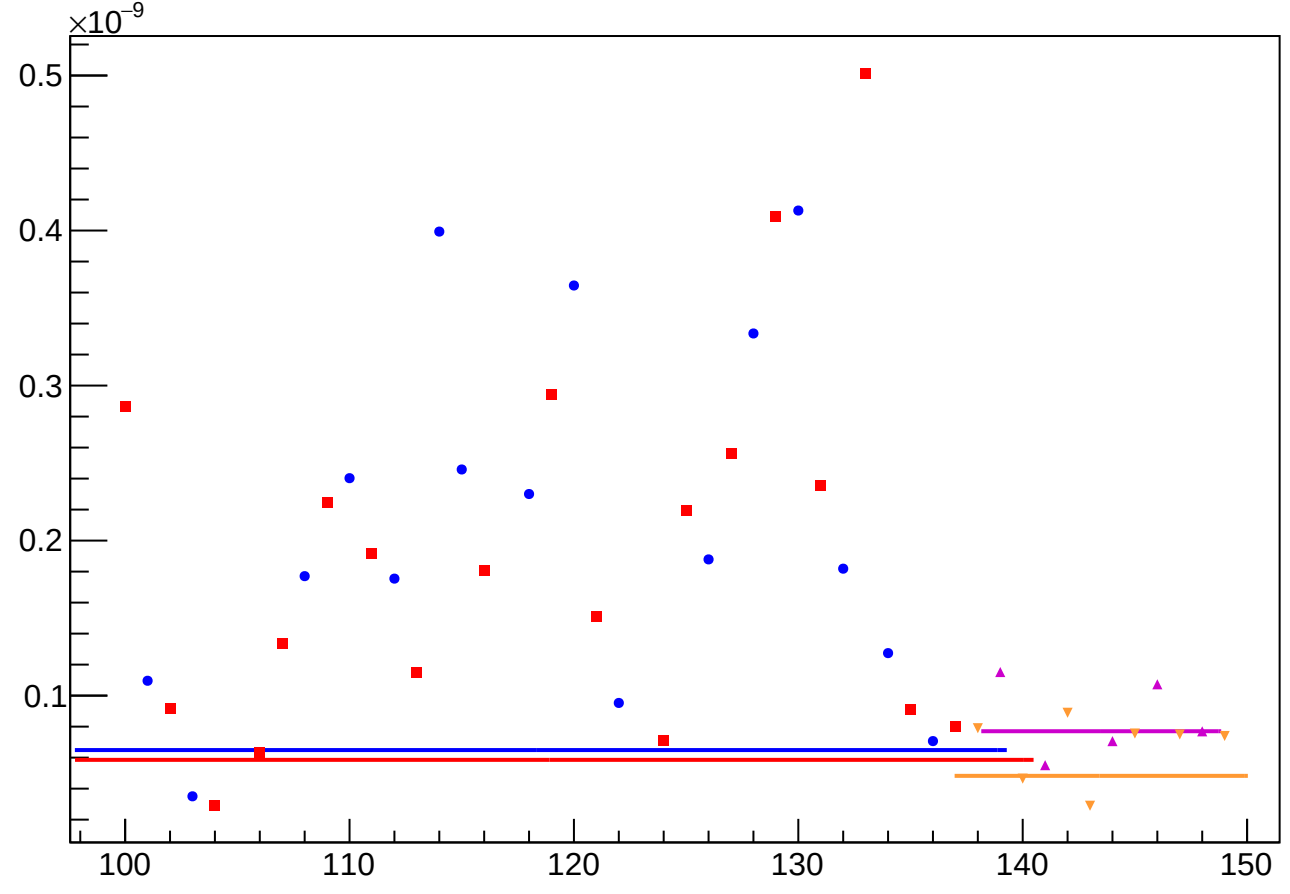
Left In: 4637.403+/-1.584 χ^2/NDF:122330.5/4

+ sign 3663.020+/-0.772 χ^2/NDF: 2457569.5/22

All: 3647.428+/-0.557 χ^2/NDF: 5000515.9/46

- 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:13.5/6
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: 28.3/22
All: -0.000+/-0.000 χ²/NDF: 56.3/46
- 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:688484.6/6

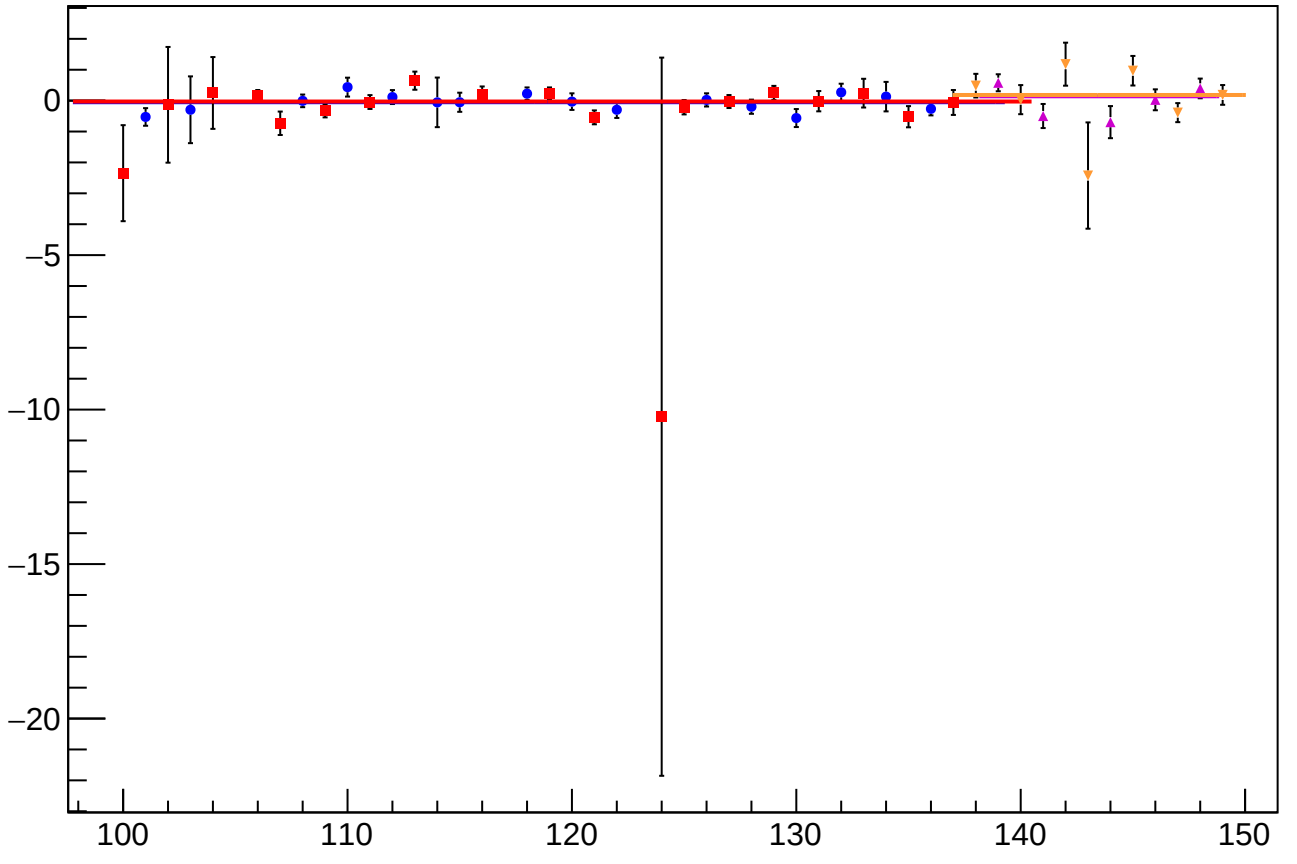
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:248284.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 3431014.9/22

All: 0.000+/-0.000 χ^2/NDF: 6772181.7/46

- 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: 0.183+/-0.161 χ^2/NDF:11.2/6

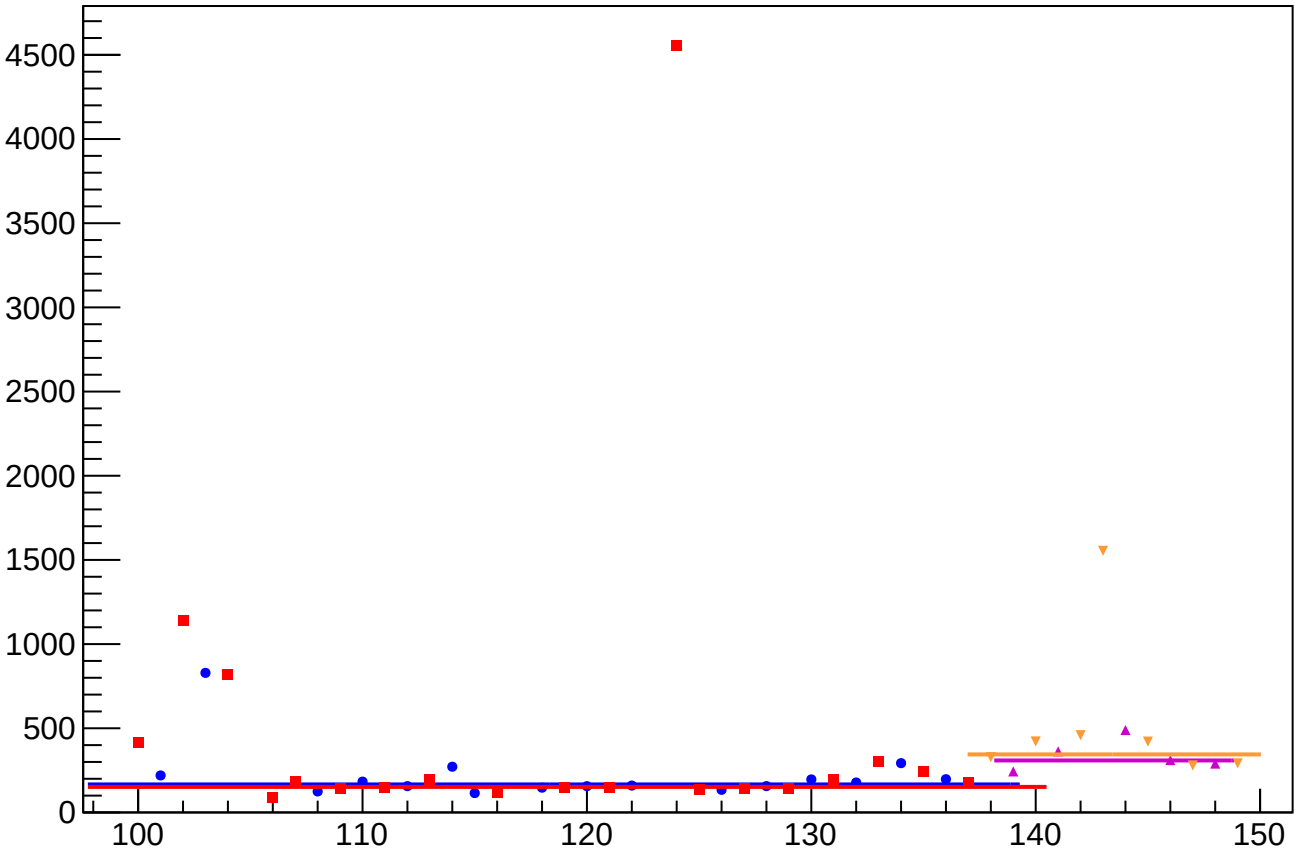
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.141+/-0.154 χ^2/NDF:8.6/4

+ sign -0.017+/-0.062 χ^2/NDF: 27.9/22

All: -0.010+/-0.043 χ^2/NDF: 65.0/46

- 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: 344.768+/-0.114 χ^2/NDF:1295279.5/6

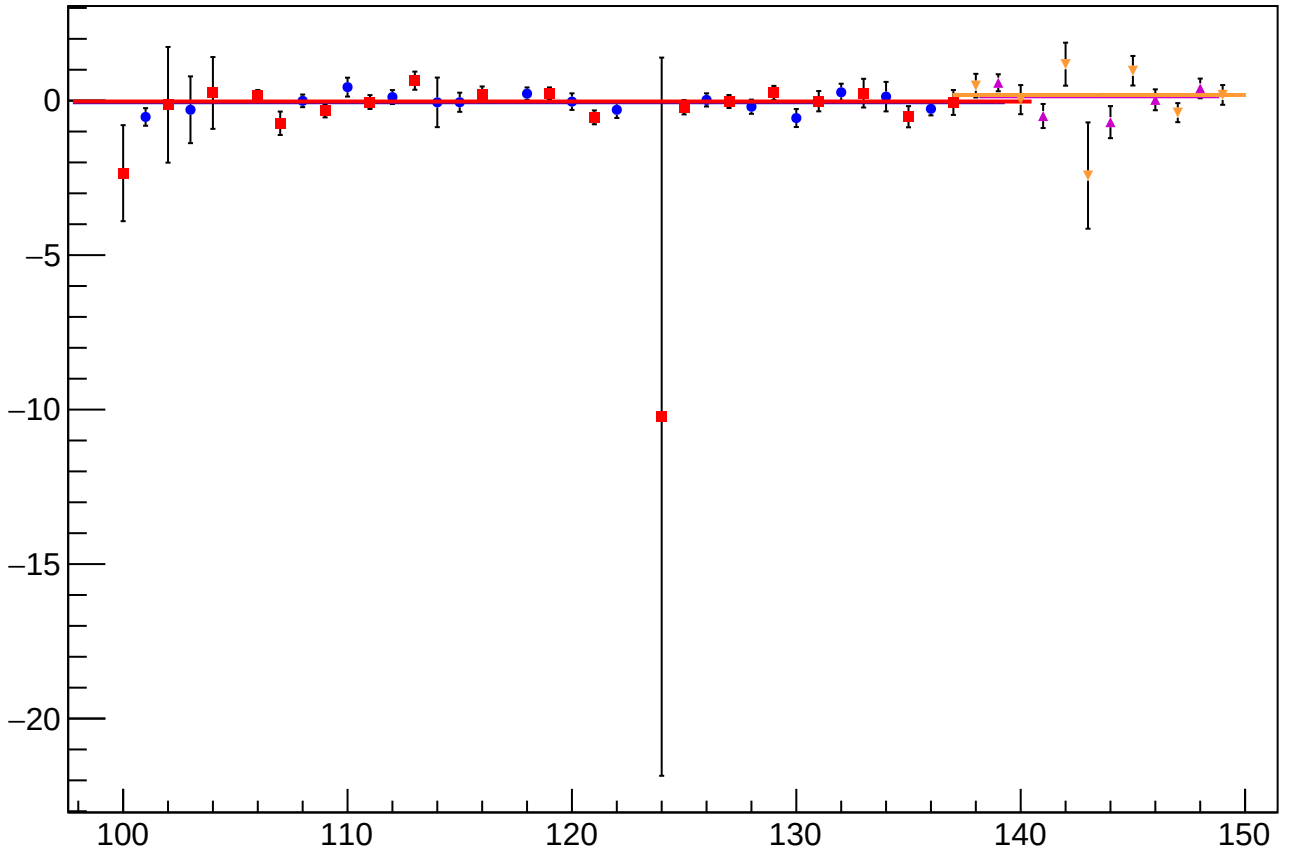
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 308.945+/-0.109 χ^2/NDF:399528.3/4

+ sign 192.438+/-0.044 χ^2/NDF: 4667810.2/22

All: 183.307+/-0.030 χ^2/NDF: 9240064.8/46

- 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: 0.183+/-0.161 χ^2/NDF:11.2/6

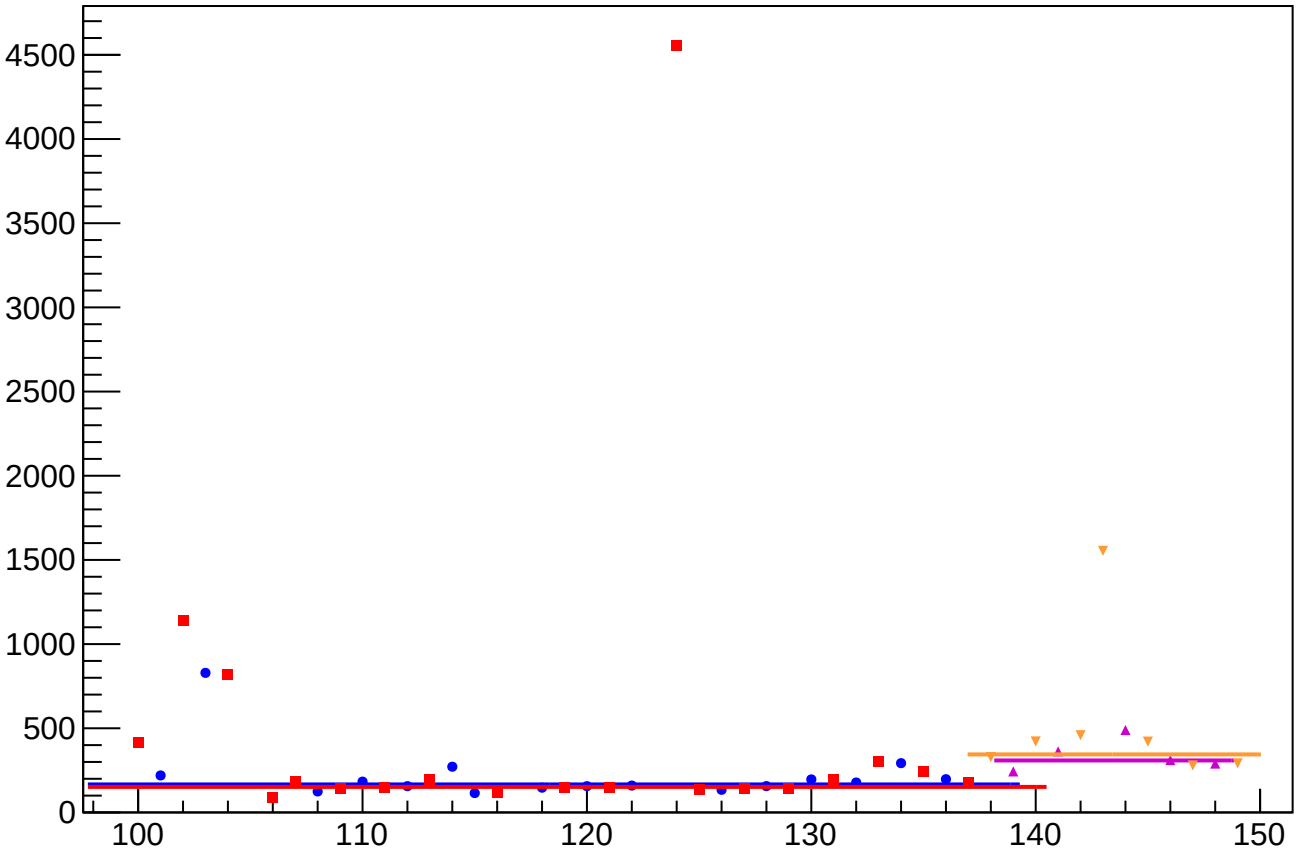
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.141+/-0.154 χ^2/NDF:8.6/4

+ sign -0.017+/-0.062 χ^2/NDF: 27.9/22

All: -0.010+/-0.043 χ^2/NDF: 65.0/46

- 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: 344.768+/-0.114 χ^2/NDF:1295279.5/6

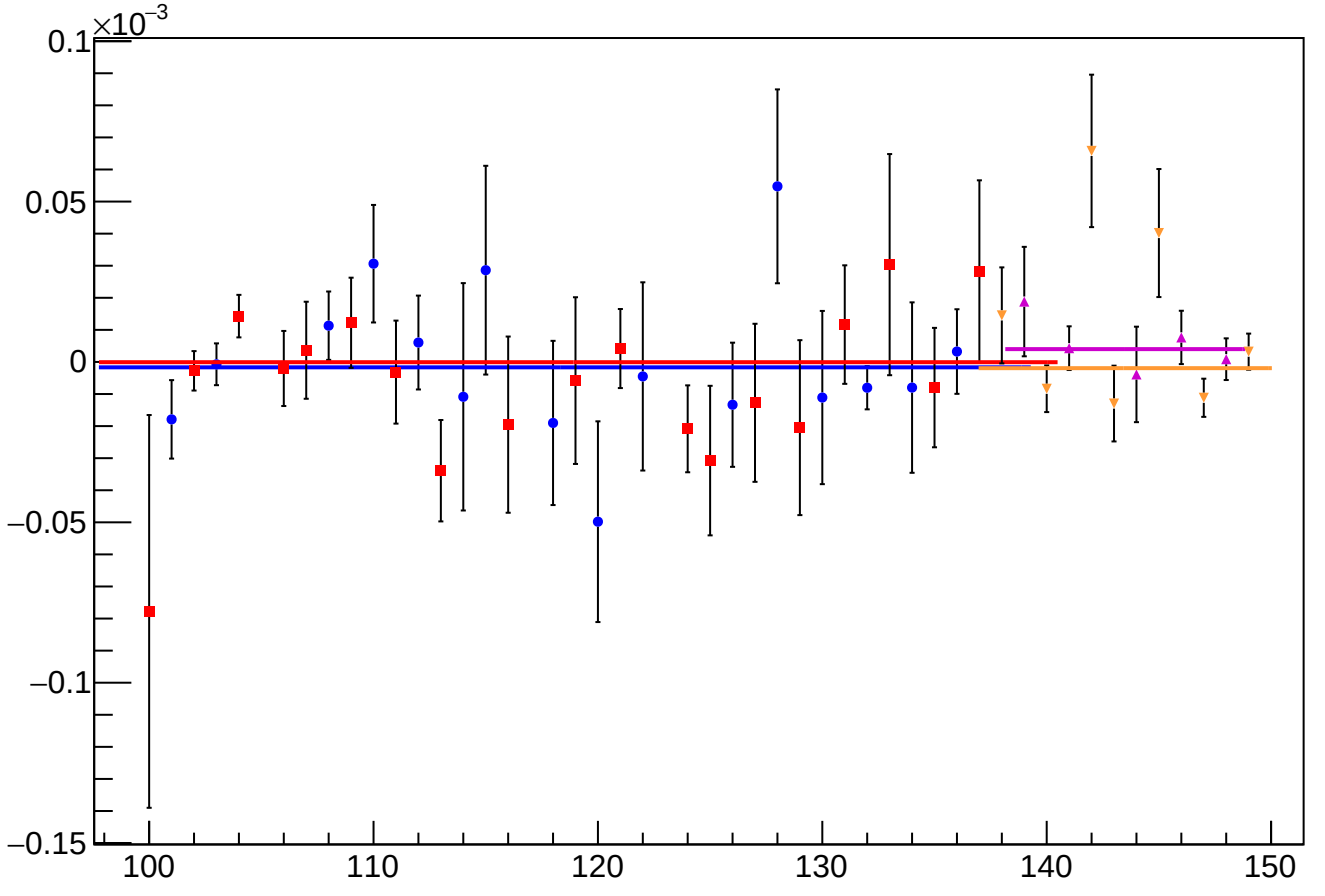
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 308.945+/-0.109 χ^2/NDF:399528.3/4

+ sign 192.438+/-0.044 χ^2/NDF: 4667810.2/22

All: 183.307+/-0.030 χ^2/NDF: 9240064.8/46

- 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:18.7/6

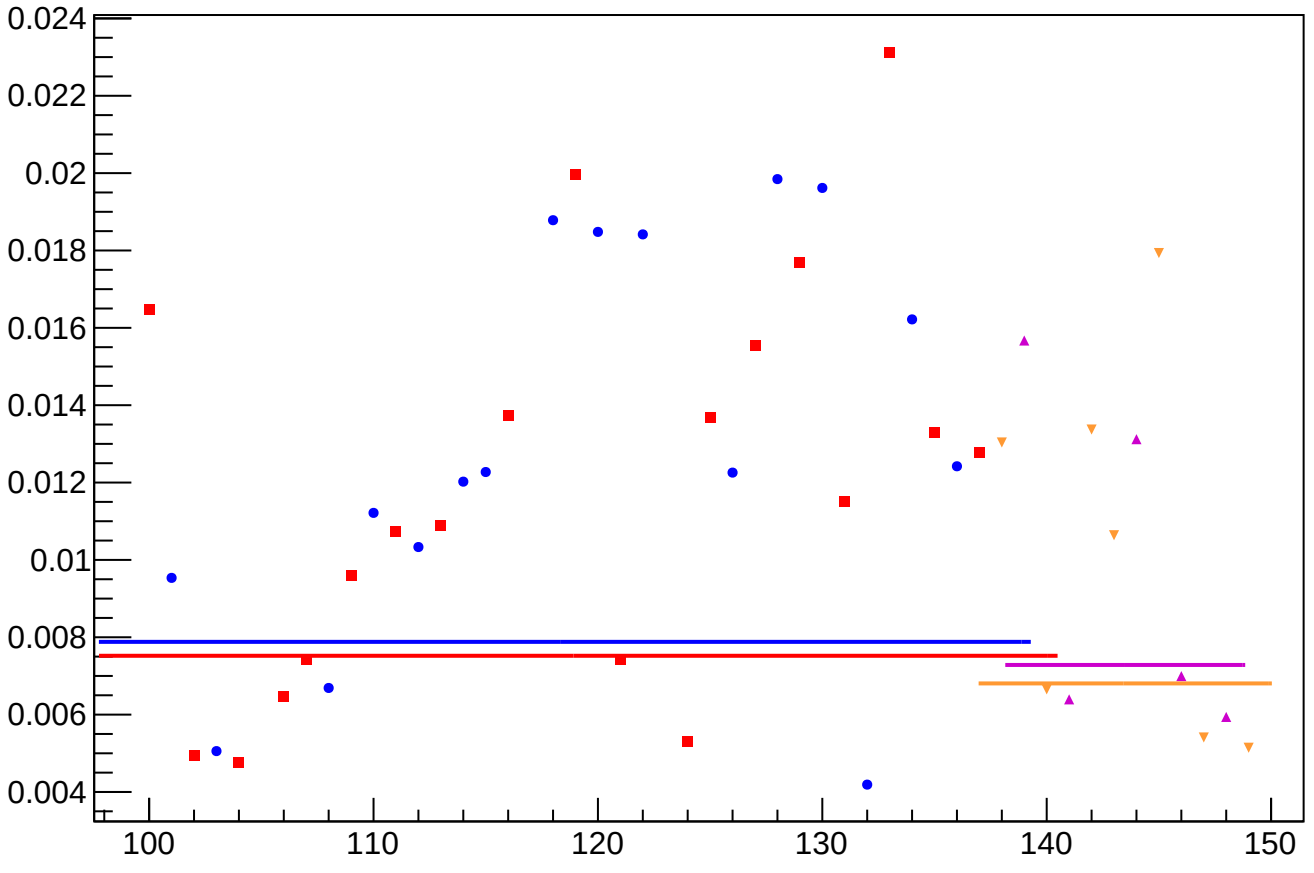
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 34.2/22

All: -0.000+/-0.000 χ^2/NDF: 57.2/46

- 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: 0.007+/-0.000 χ^2/NDF:1616779.3/6

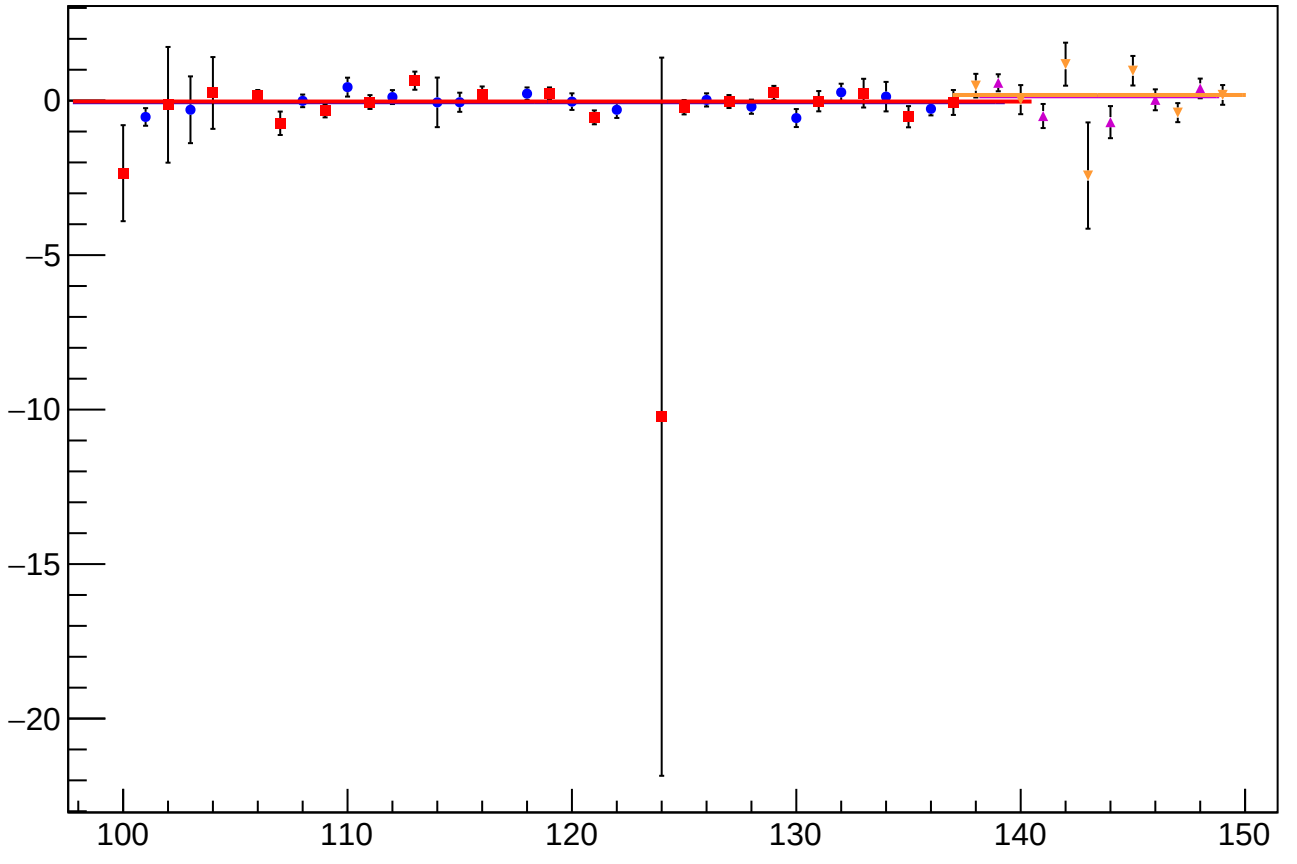
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:913060.0/4

+ sign 0.007+/-0.000 χ^2/NDF: 5022917.3/22

All: 0.007+/-0.000 χ^2/NDF: 8917877.8/46

- 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: 0.183+/-0.161 χ^2/NDF:11.2/6

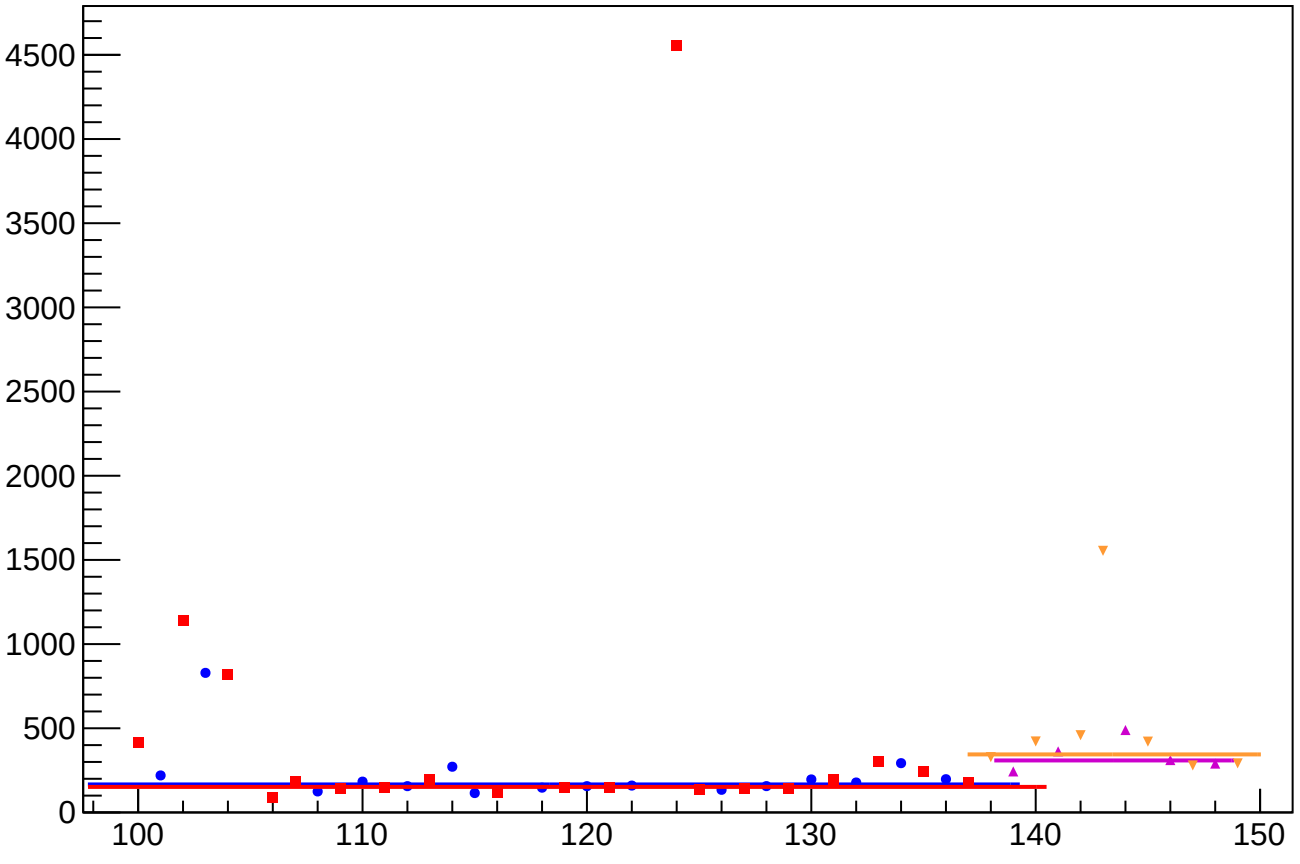
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.141+/-0.154 χ^2/NDF:8.6/4

+ sign -0.017+/-0.062 χ^2/NDF: 27.9/22

All: -0.010+/-0.043 χ^2/NDF: 65.0/46

- 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: 344.771+/-0.114 χ^2/NDF:1295276.8/6

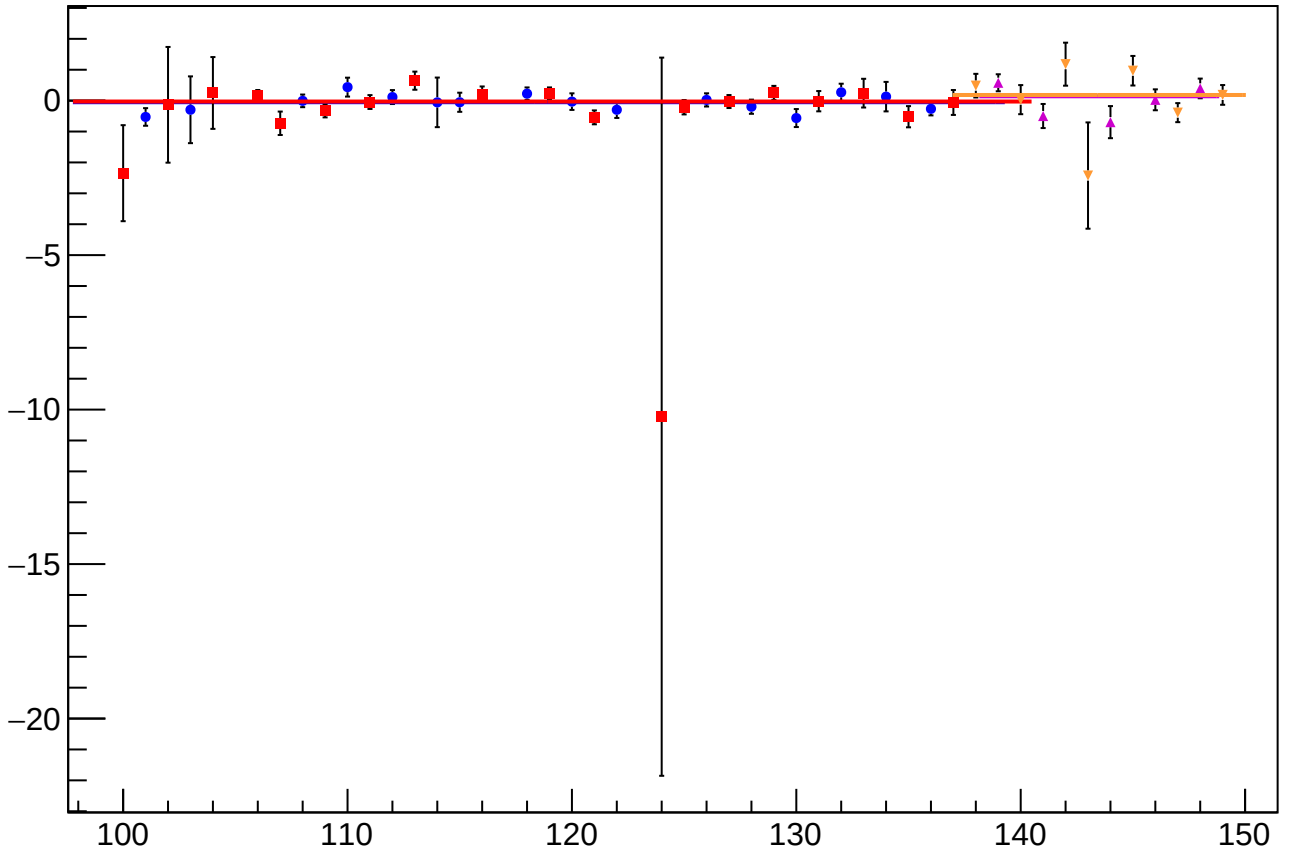
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 308.950+/-0.109 χ^2/NDF:399514.7/4

+ sign 192.437+/-0.044 χ^2/NDF: 4667872.5/22

All: 183.306+/-0.030 χ^2/NDF: 9240218.4/46

- 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: 0.183+/-0.161 χ^2/NDF:11.2/6

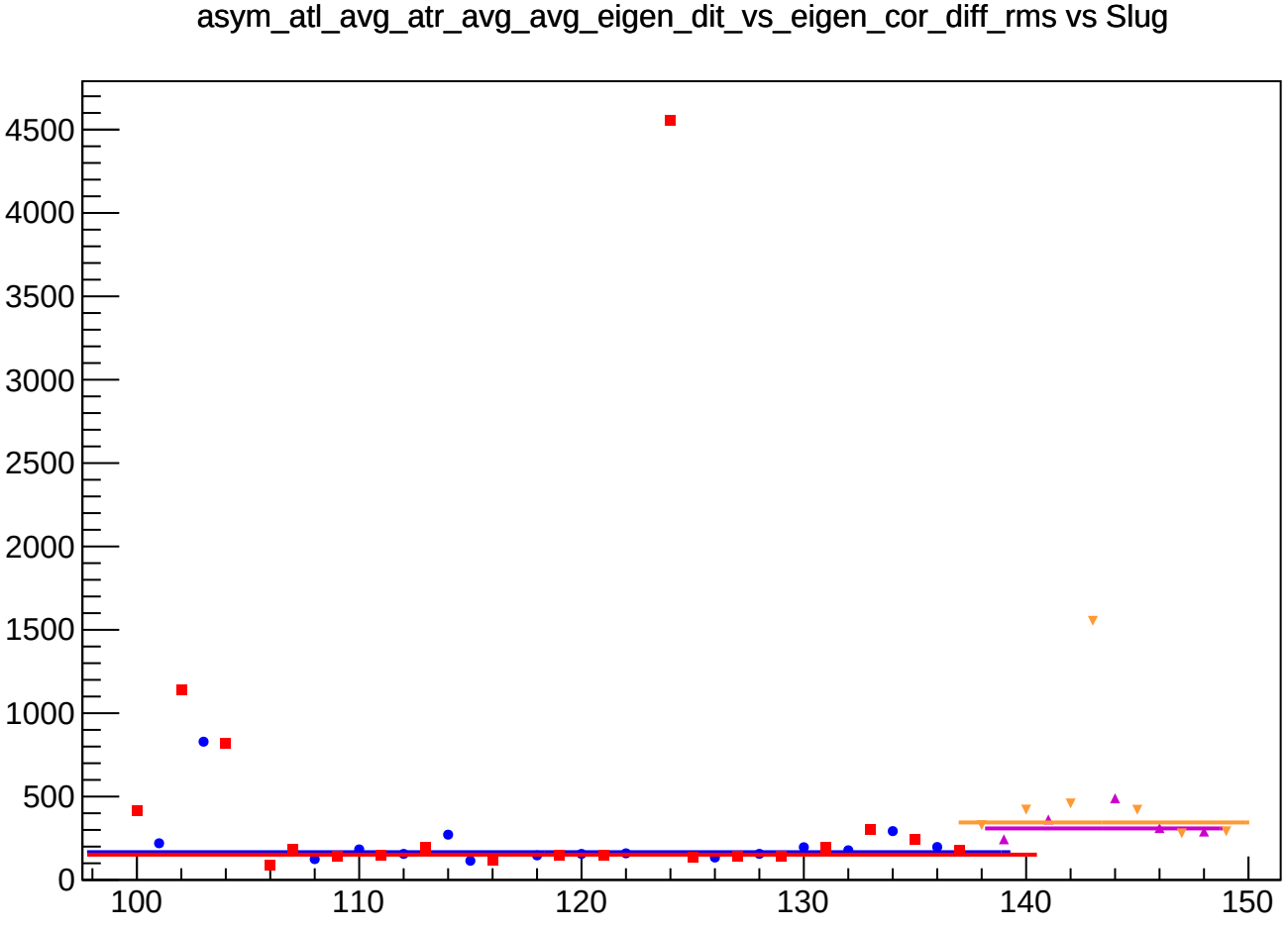
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.141+/-0.154 χ^2/NDF:8.6/4

+ sign -0.017+/-0.062 χ^2/NDF: 27.9/22

All: -0.010+/-0.043 χ^2/NDF: 65.0/46

- 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: 344.771+/-0.114 χ^2/NDF:1295276.8/6

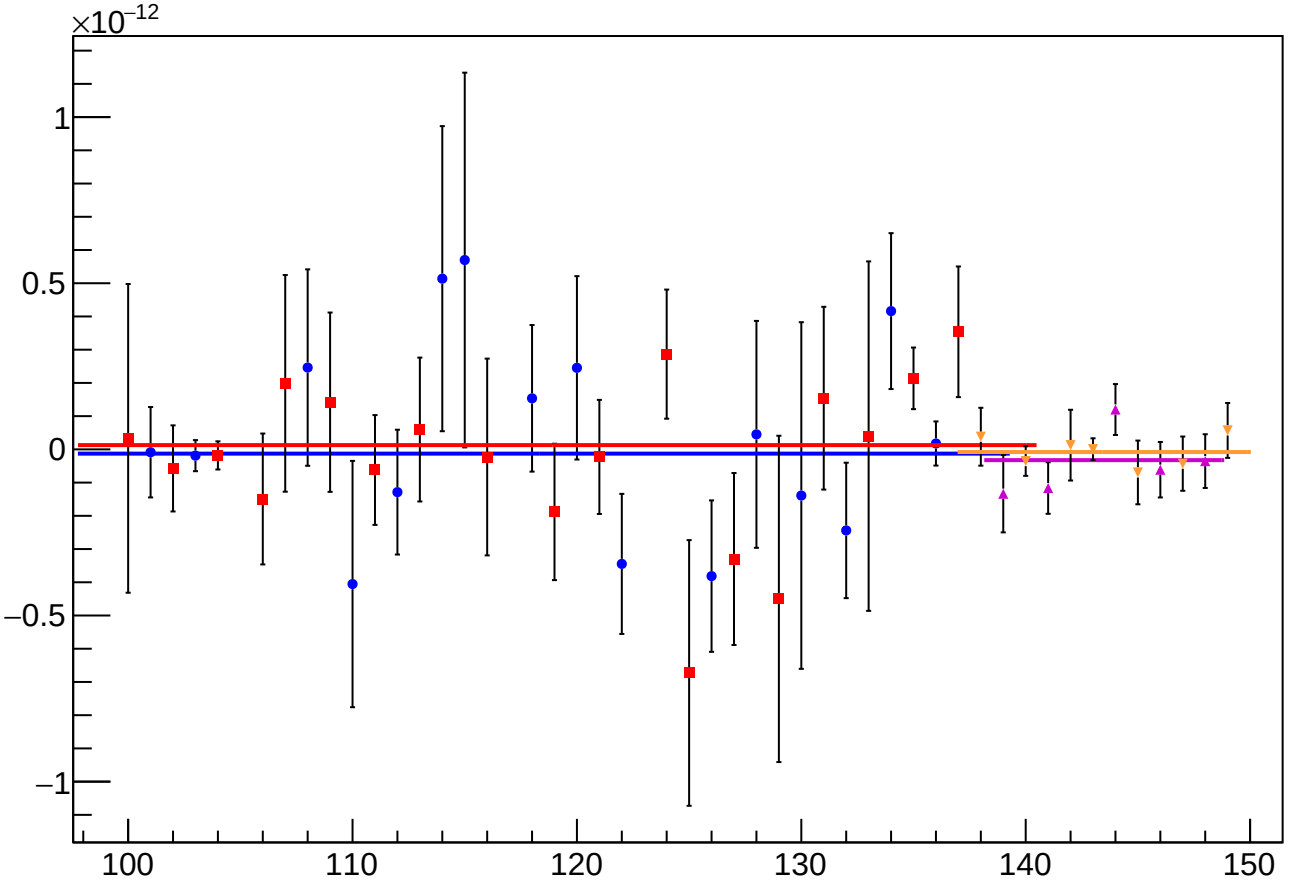
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 308.950+/-0.109 χ^2/NDF:399514.7/4

+ sign 192.437+/-0.044 χ^2/NDF: 4667872.5/22

All: 183.306+/-0.030 χ^2/NDF: 9240218.4/46

- 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:2.0/6

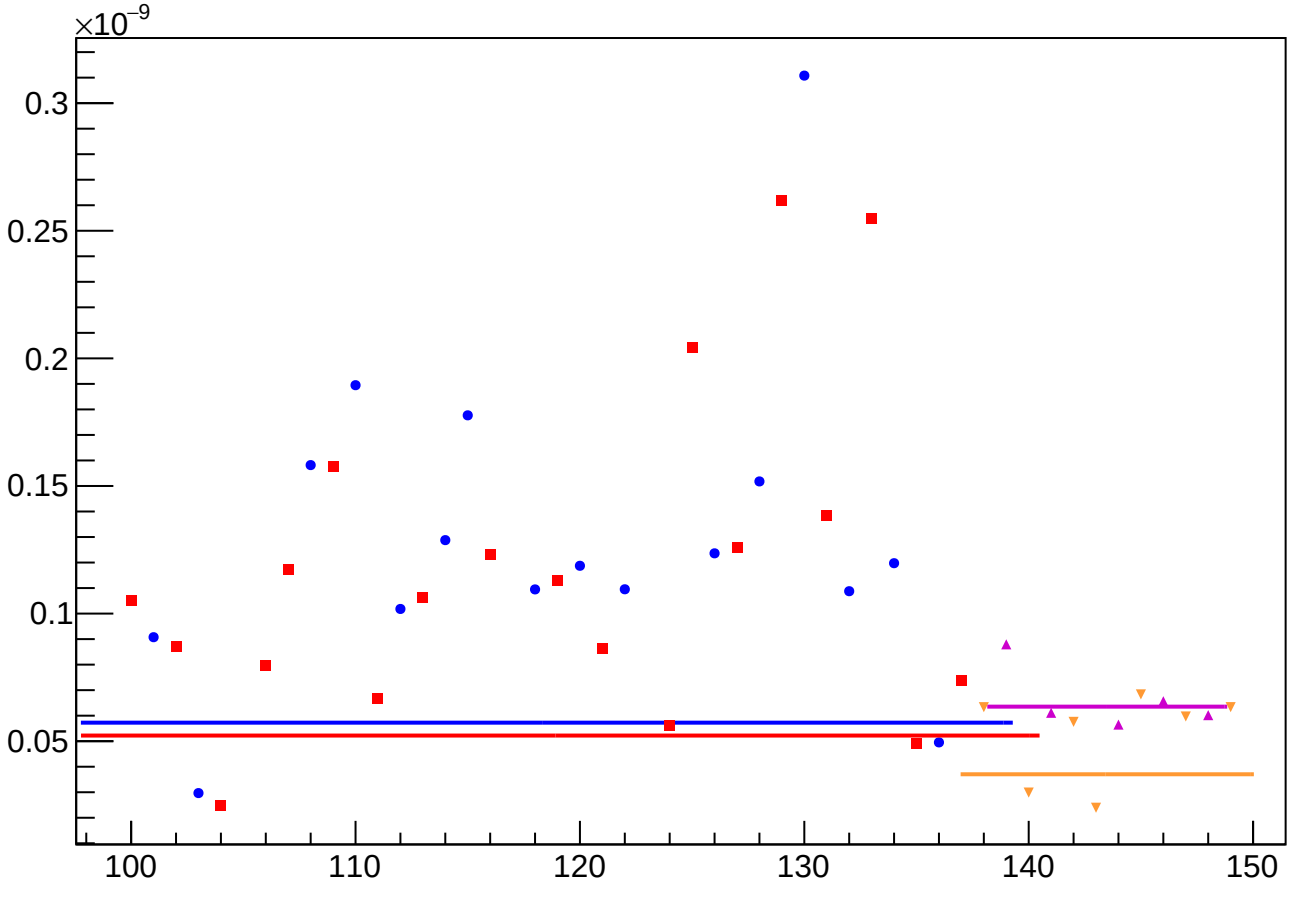
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 18.1/22

All: -0.000+/-0.000 χ^2/NDF: 43.9/46

- 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:1200885.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

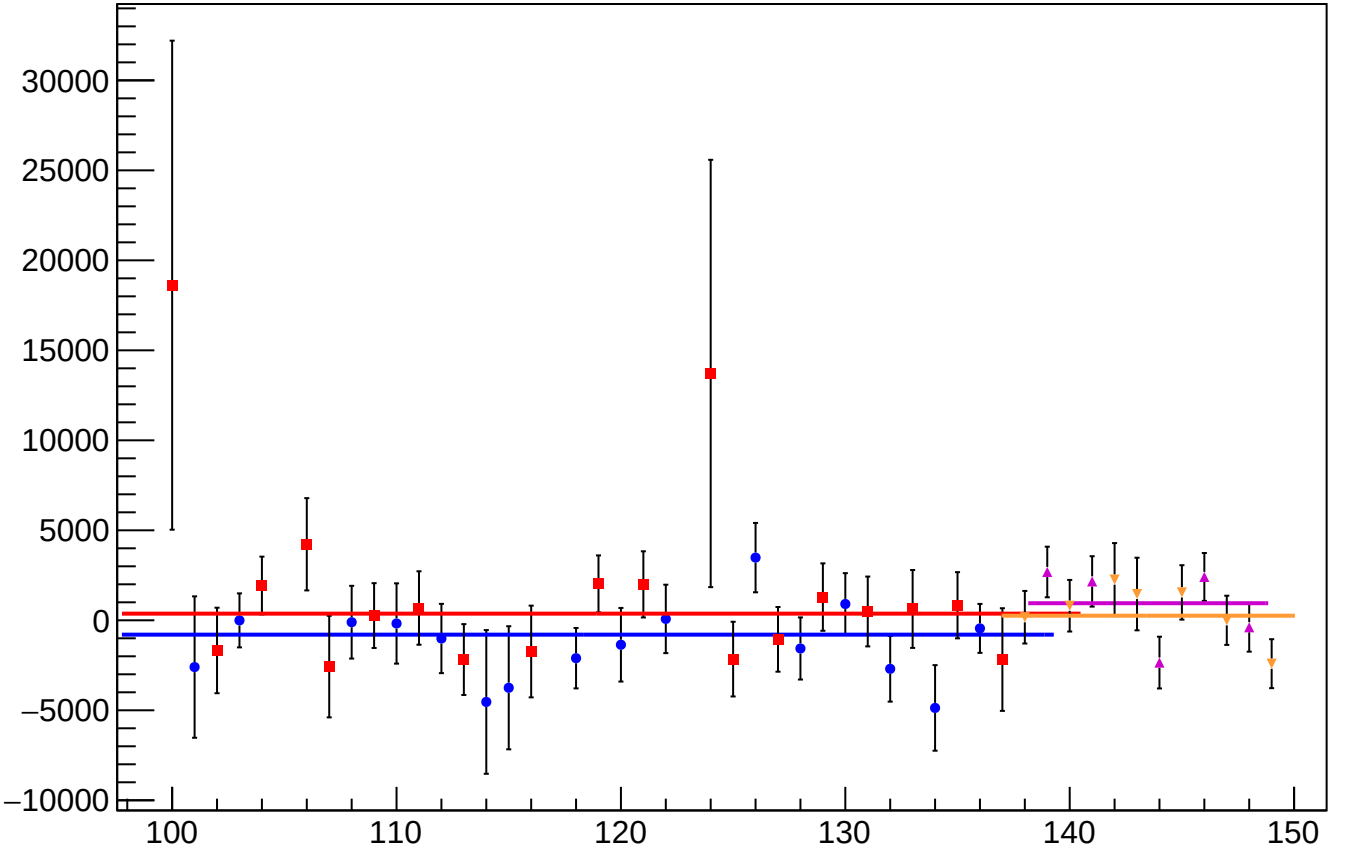
Left In: 0.000+/-0.000 χ^2/NDF:111491.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 4705769.6/22

All: 0.000+/-0.000 χ^2/NDF: 8615117.8/46

- 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: 256.028+/-581.380 χ^2/NDF:6.1/6

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

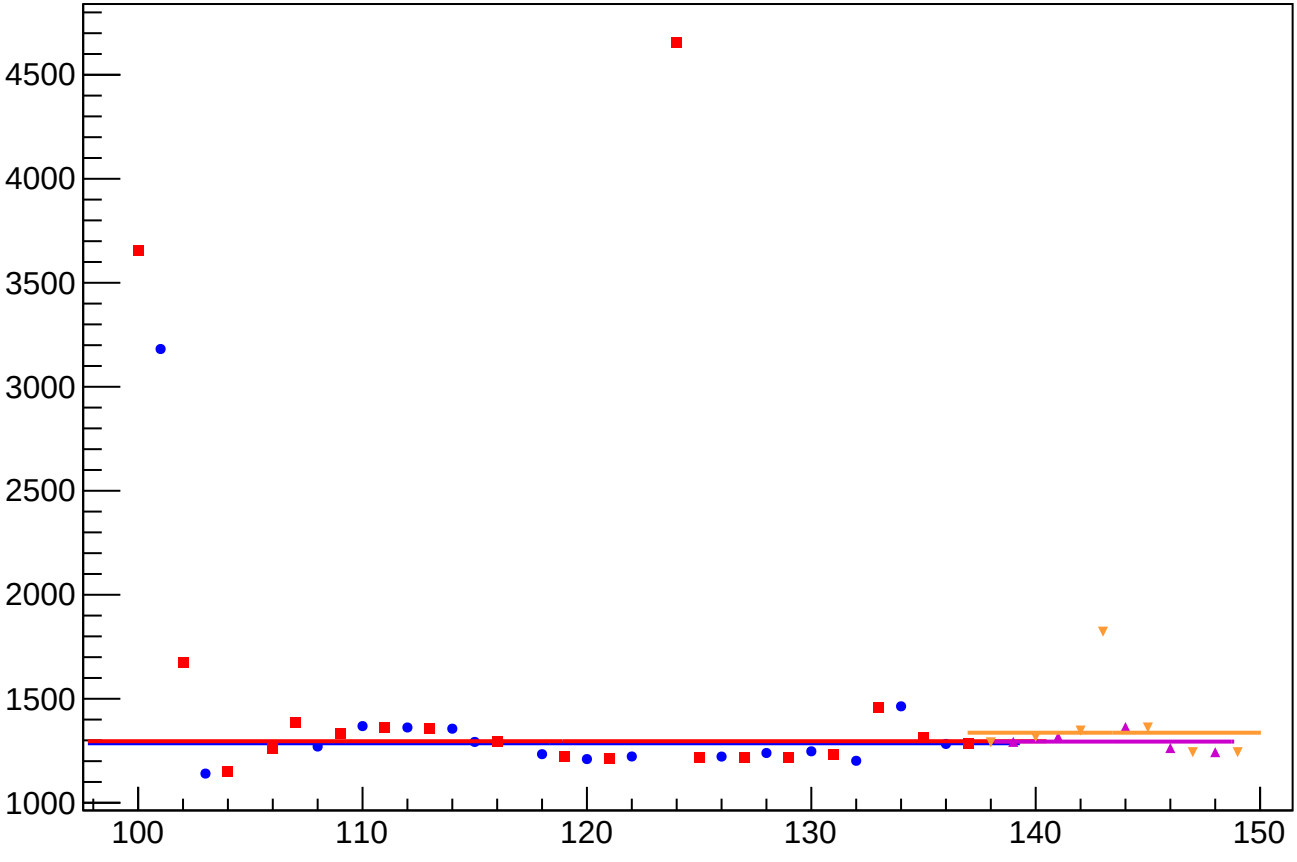
Left In: 948.937+/-619.013 χ^2/NDF:9.7/4

+ sign -362.482+/-373.532 χ^2/NDF: 21.4/22

All: 103.200+/-267.131 χ^2/NDF: 50.5/46

- 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: 1336.831+/-0.411 χ^2/NDF:137890.3/6

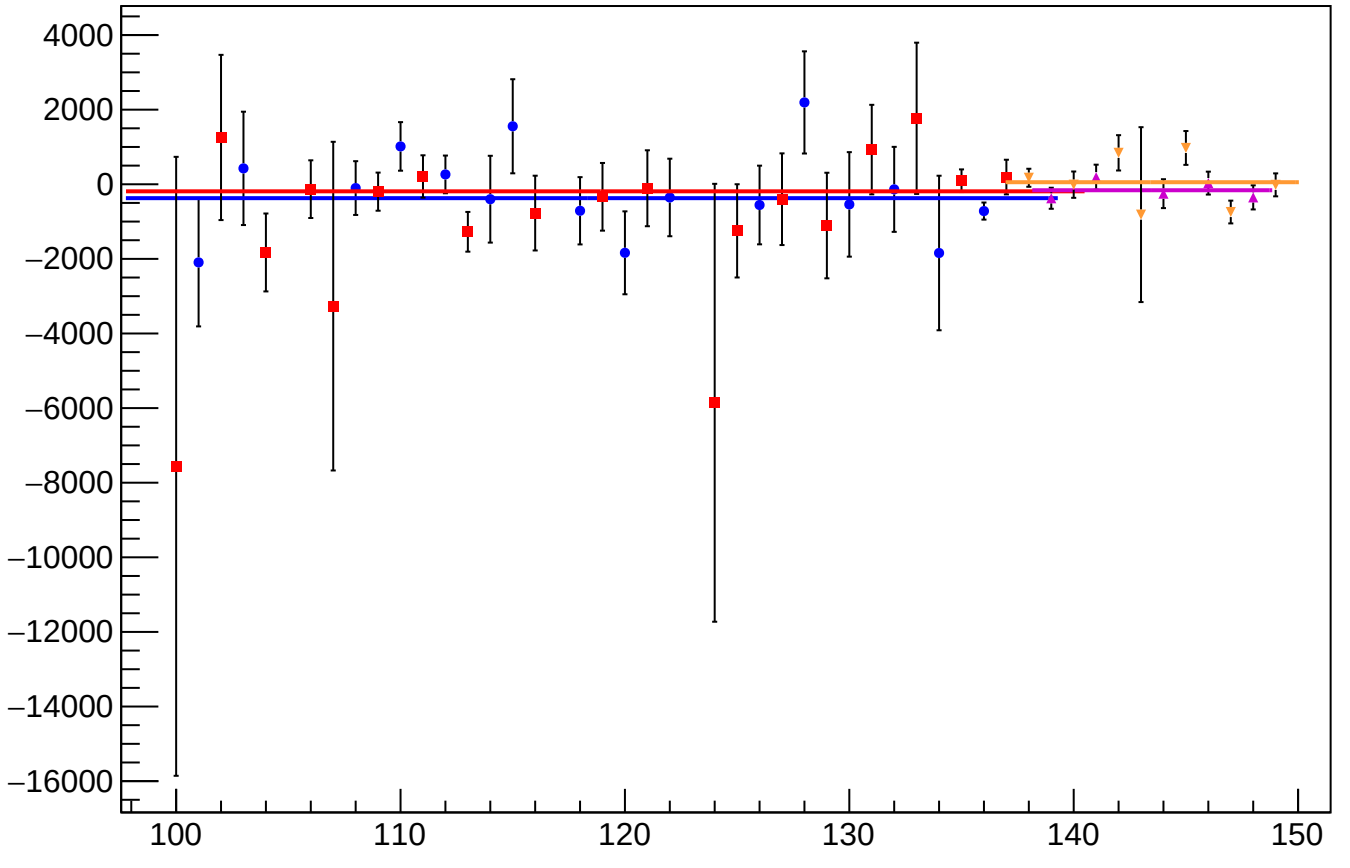
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

+ sign 1307.040+/-0.264 χ^2/NDF: 664960.5/22

All: 1301.266+/-0.189 χ^2/NDF: 1003188.7/46

- 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: 55.253+/-133.653 χ^2/NDF:14.2/6

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

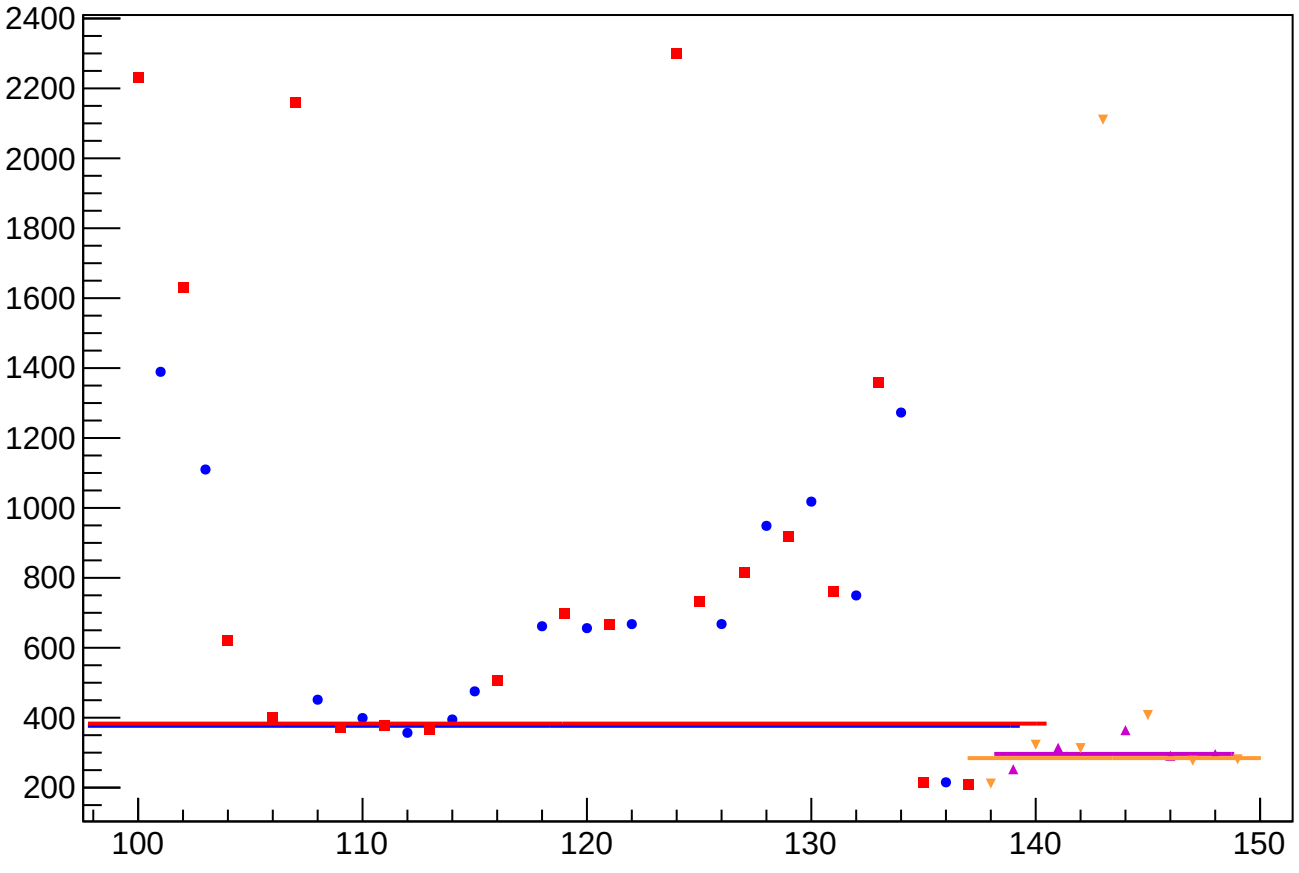
Left In: -160.187+/-143.929 χ^2/NDF:2.5/4

\+ sign -110.229+/-104.641 χ^2/NDF: 36.3/22

All: -139.758+/-75.728 χ^2/NDF: 53.6/46

\- sign -172.229+/-109.732 χ^2/NDF: 17.1/23

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 284.379+/-0.095 χ^2/NDF:1575530.1/6

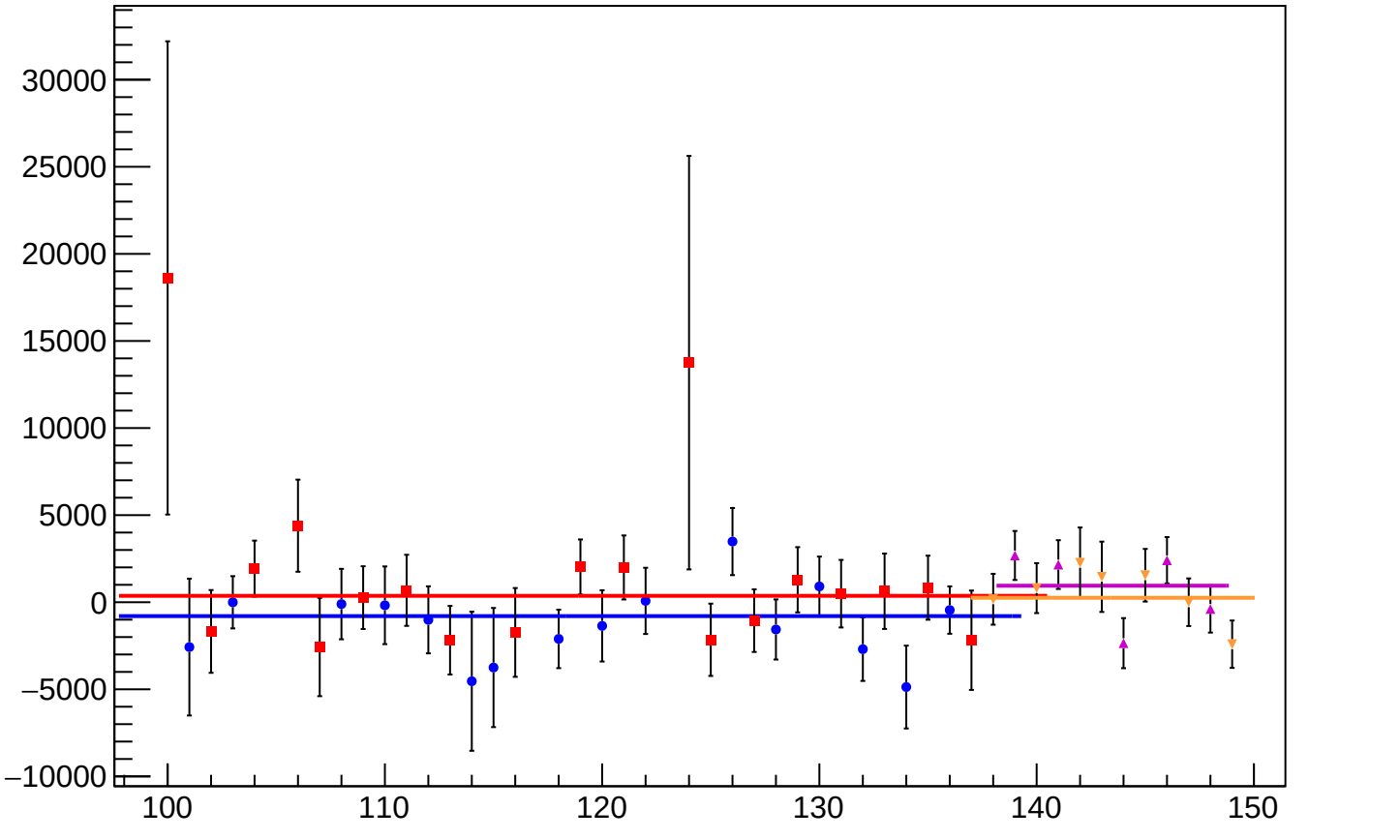
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 296.400+/-0.102 χ^2/NDF:115773.0/4

+ sign 320.184+/-0.074 χ^2/NDF: 6136591.6/22

All: 326.142+/-0.054 χ^2/NDF: 10623808.5/46

- 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: 256.045+/-581.380 χ^2/NDF:6.1/6

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

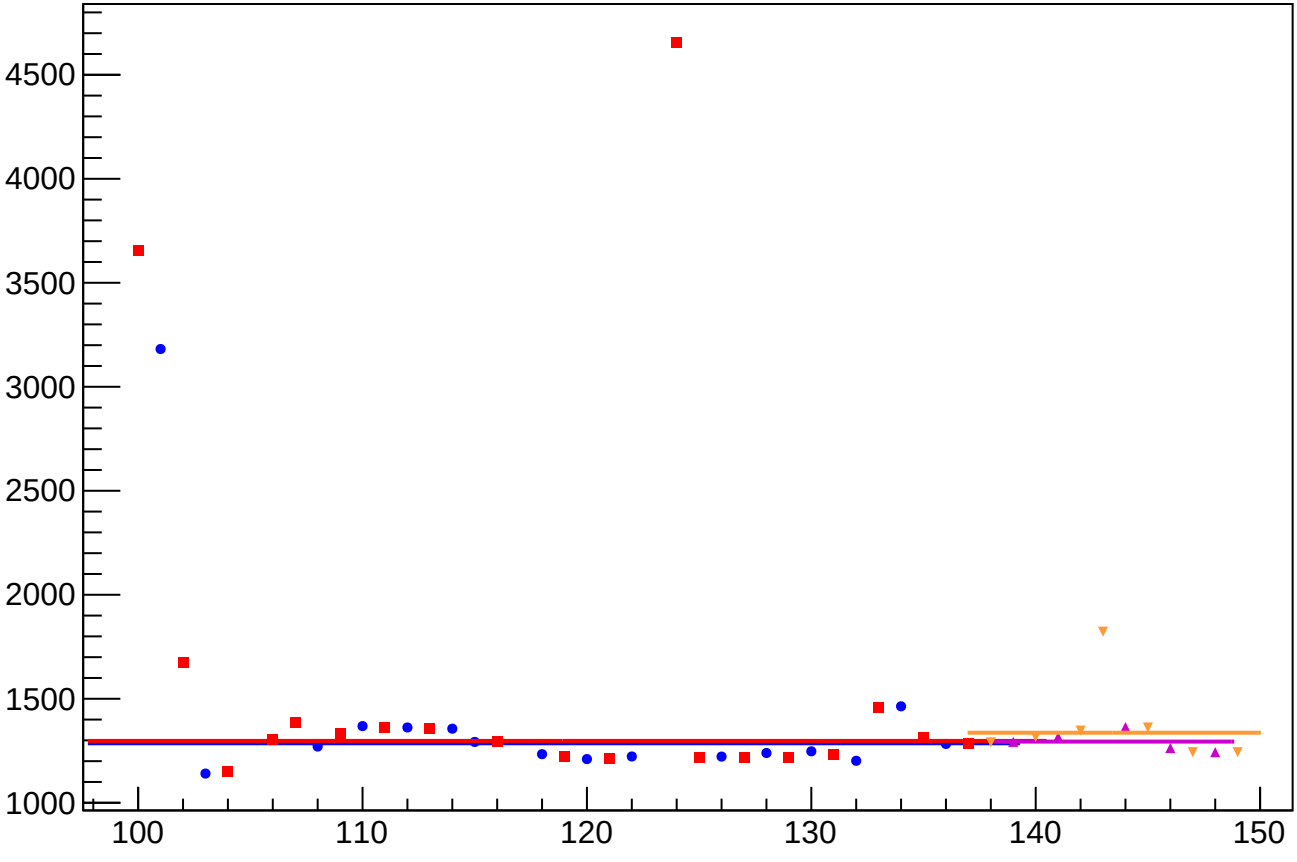
Left In: 948.988+/-619.013 χ^2/NDF:9.7/4

\+ sign -362.238+/-373.532 χ^2/NDF: 21.4/22

All: 102.395+/-267.218 χ^2/NDF: 50.5/46

\- 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: 1336.831+/-0.411 χ^2/NDF:137890.3/6

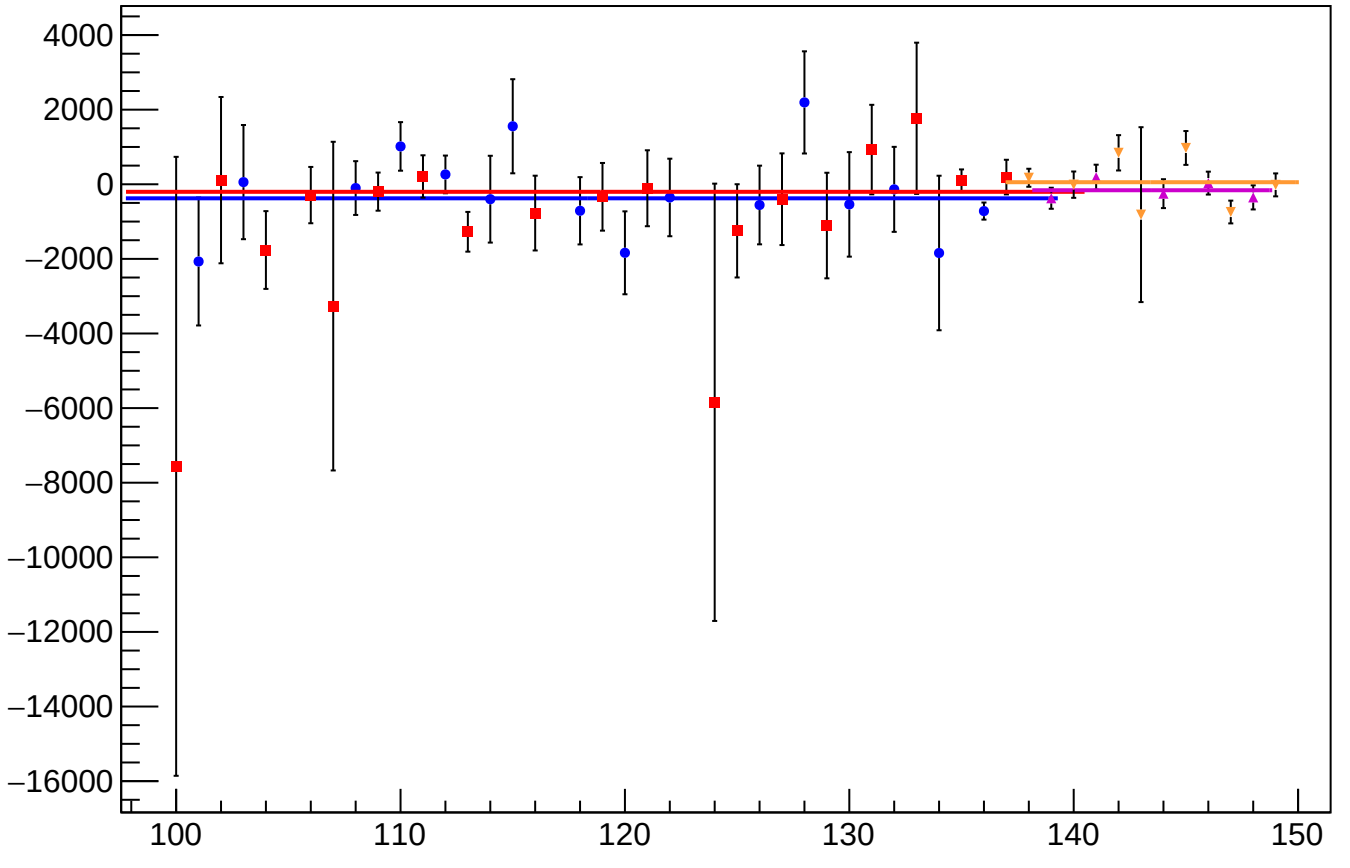
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

+ sign 1307.040+/-0.264 χ^2/NDF: 664962.0/22

All: 1301.707+/-0.189 χ^2/NDF: 1002743.2/46

- 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: 55.218+/-133.658 χ^2/NDF:14.2/6

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

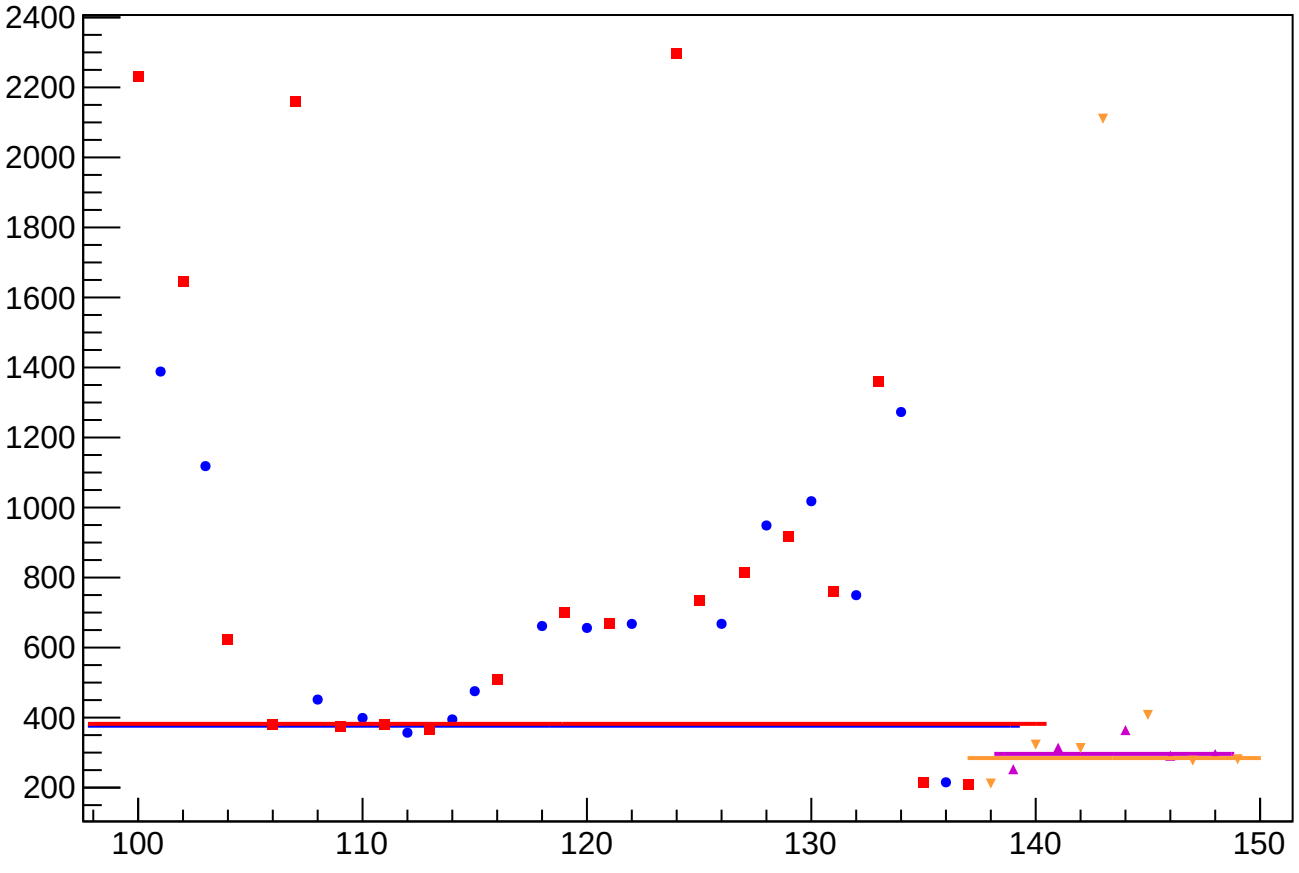
Left In: -160.282+/-143.928 χ^2/NDF:2.5/4

+ sign -111.954+/-104.648 χ^2/NDF: 36.2/22

All: -143.349+/-75.713 χ^2/NDF: 52.9/46

- sign -177.835+/-109.678 χ^2/NDF: 16.5/23

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 284.390+/-0.095 χ^2/NDF:1575536.7/6

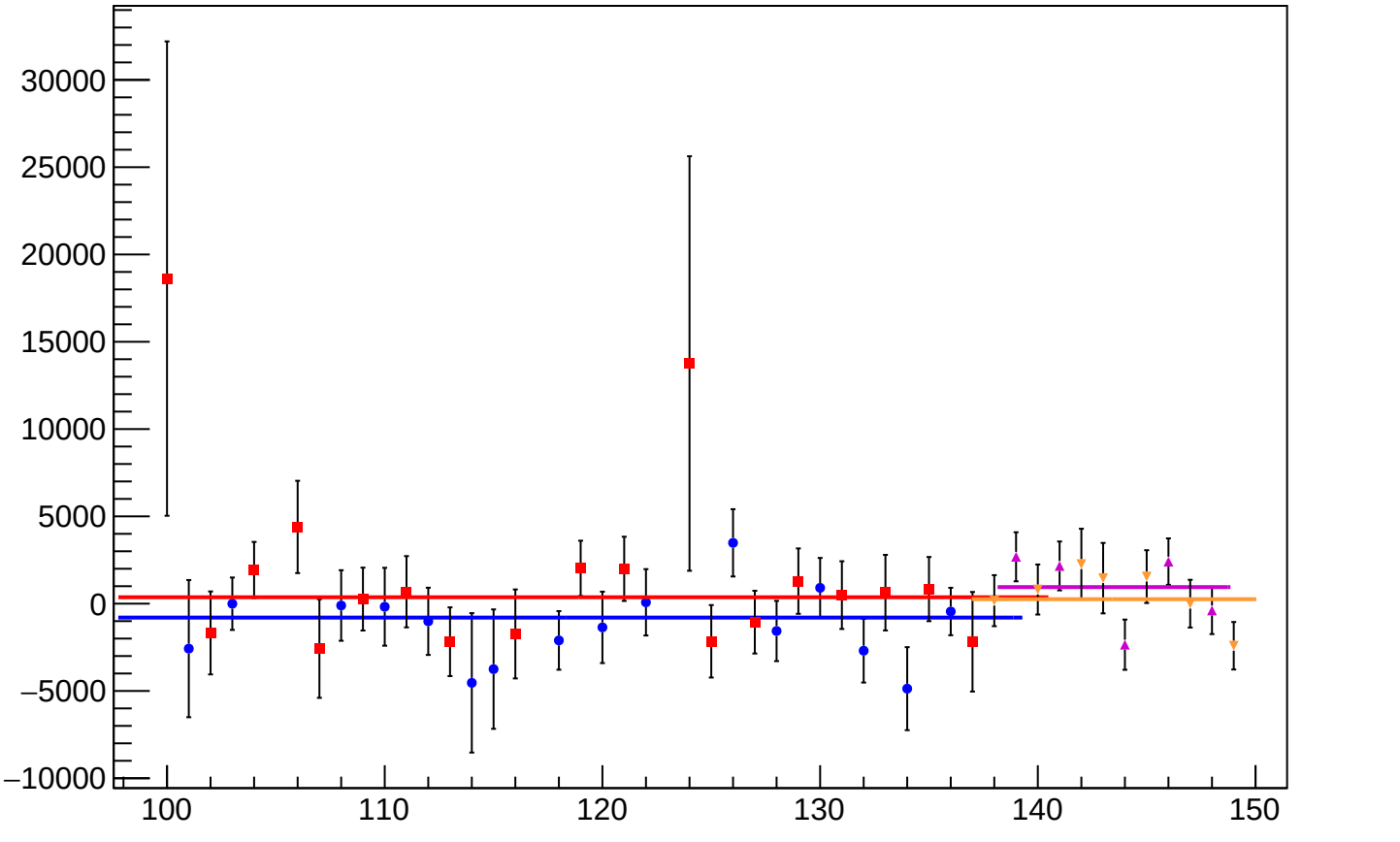
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

+ sign 320.183+/-0.074 χ^2/NDF: 6139510.3/22

All: 325.981+/-0.054 χ^2/NDF: 10625326.6/46

- 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: 256.045+/-581.380 χ^2/NDF:6.1/6

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

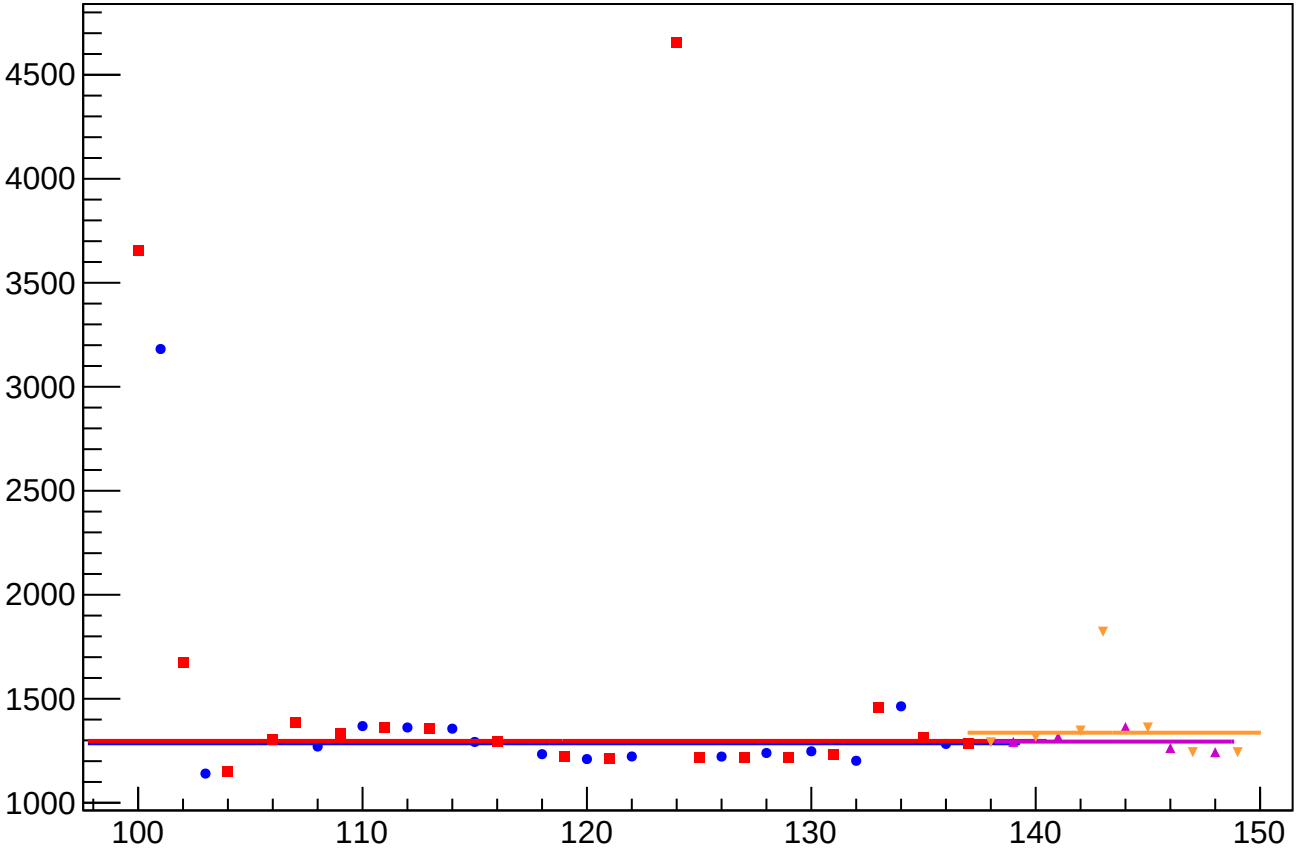
Left In: 948.988+/-619.013 χ^2/NDF:9.7/4

+ sign -362.238+/-373.532 χ^2/NDF: 21.4/22

All: 102.395+/-267.218 χ^2/NDF: 50.5/46

- 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: 1336.831+/-0.411 χ^2/NDF:137890.3/6

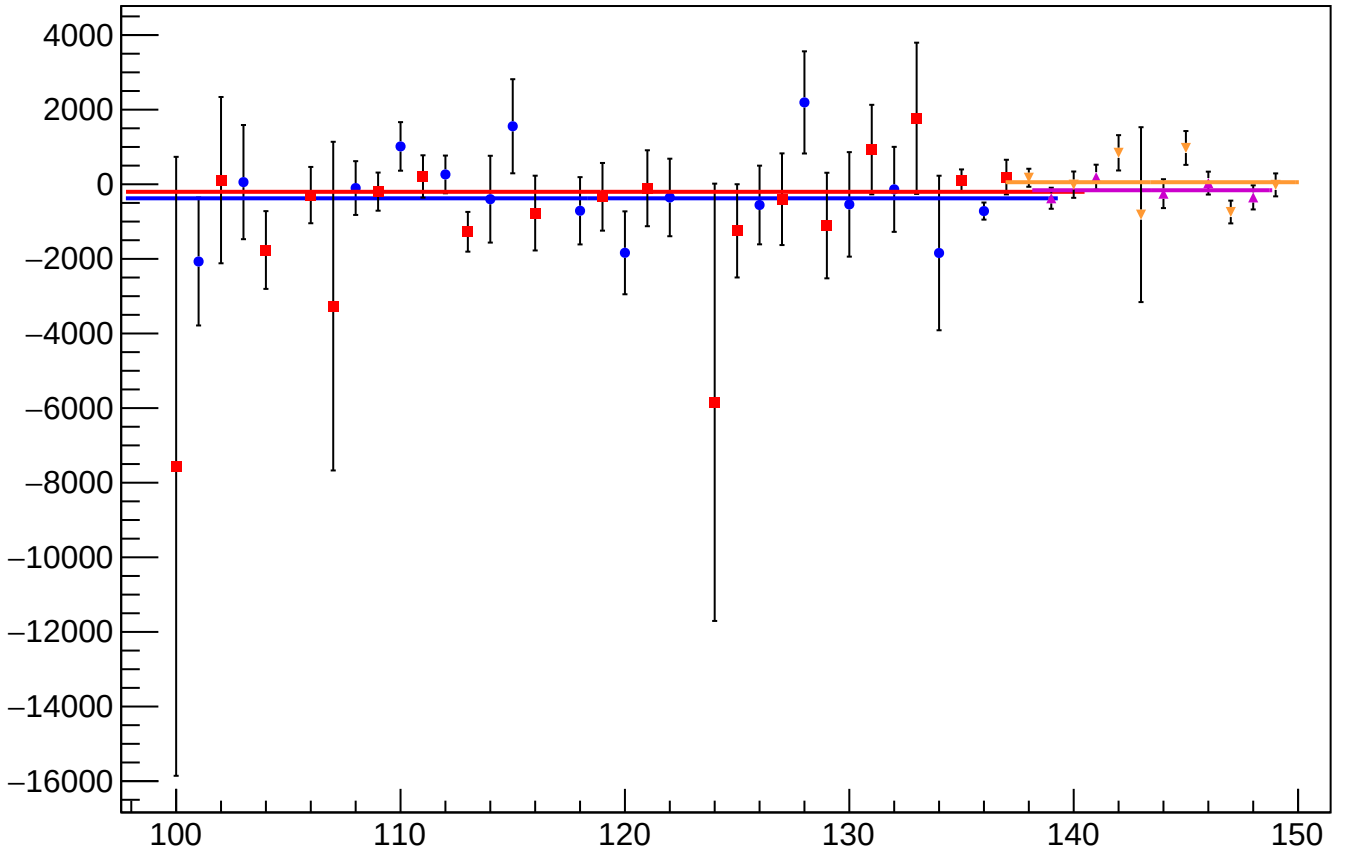
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

+ sign 1307.040+/-0.264 χ^2/NDF: 664962.0/22

All: 1301.707+/-0.189 χ^2/NDF: 1002743.2/46

- 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: 55.218+/-133.658 χ^2/NDF:14.2/6

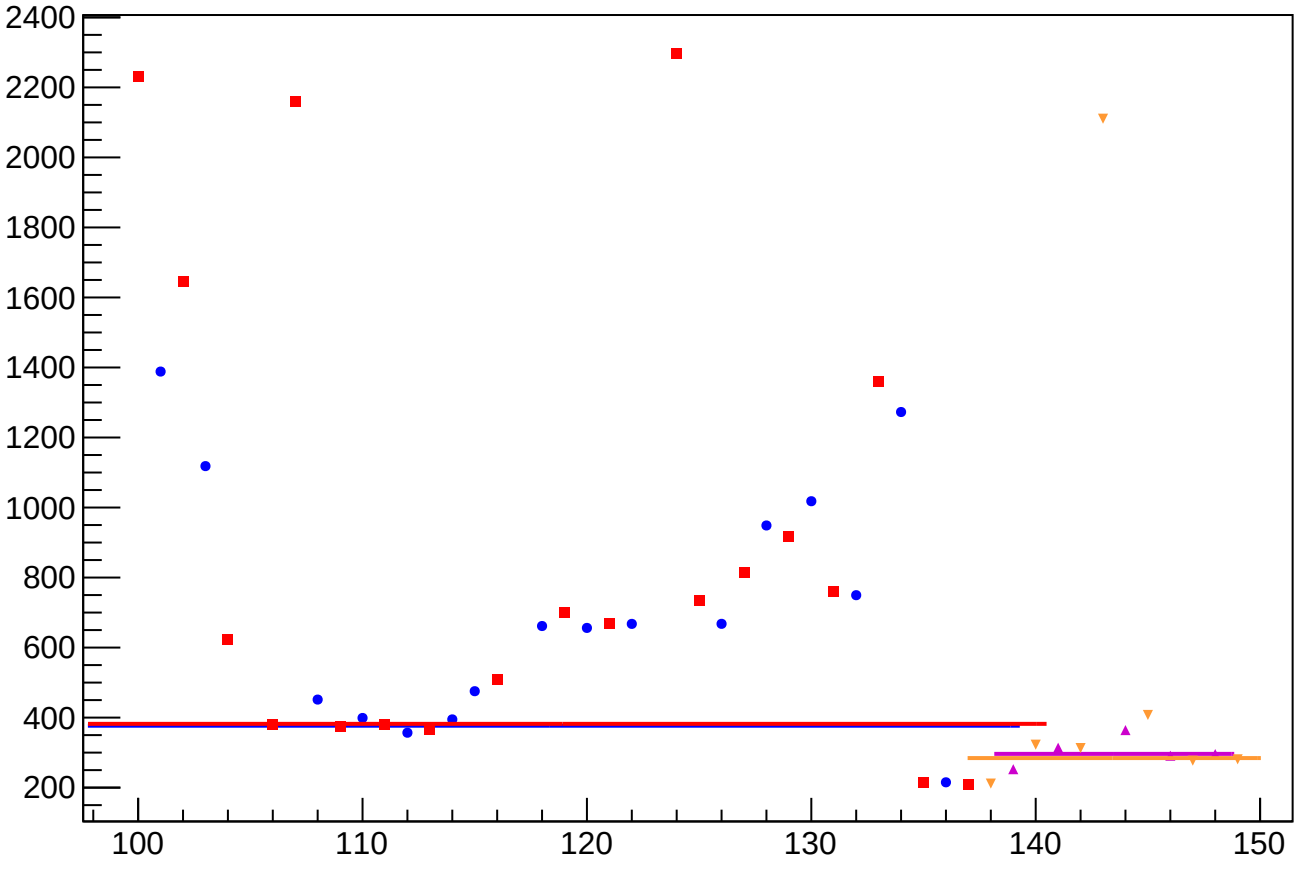
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -160.282+/-143.928 χ^2/NDF:2.5/4

+ sign -111.954+/-104.648 χ^2/NDF: 36.2/22

All: -143.349+/-75.713 χ^2/NDF: 52.9/46

- 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: 284.390+/-0.095 χ^2/NDF:1575536.7/6

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

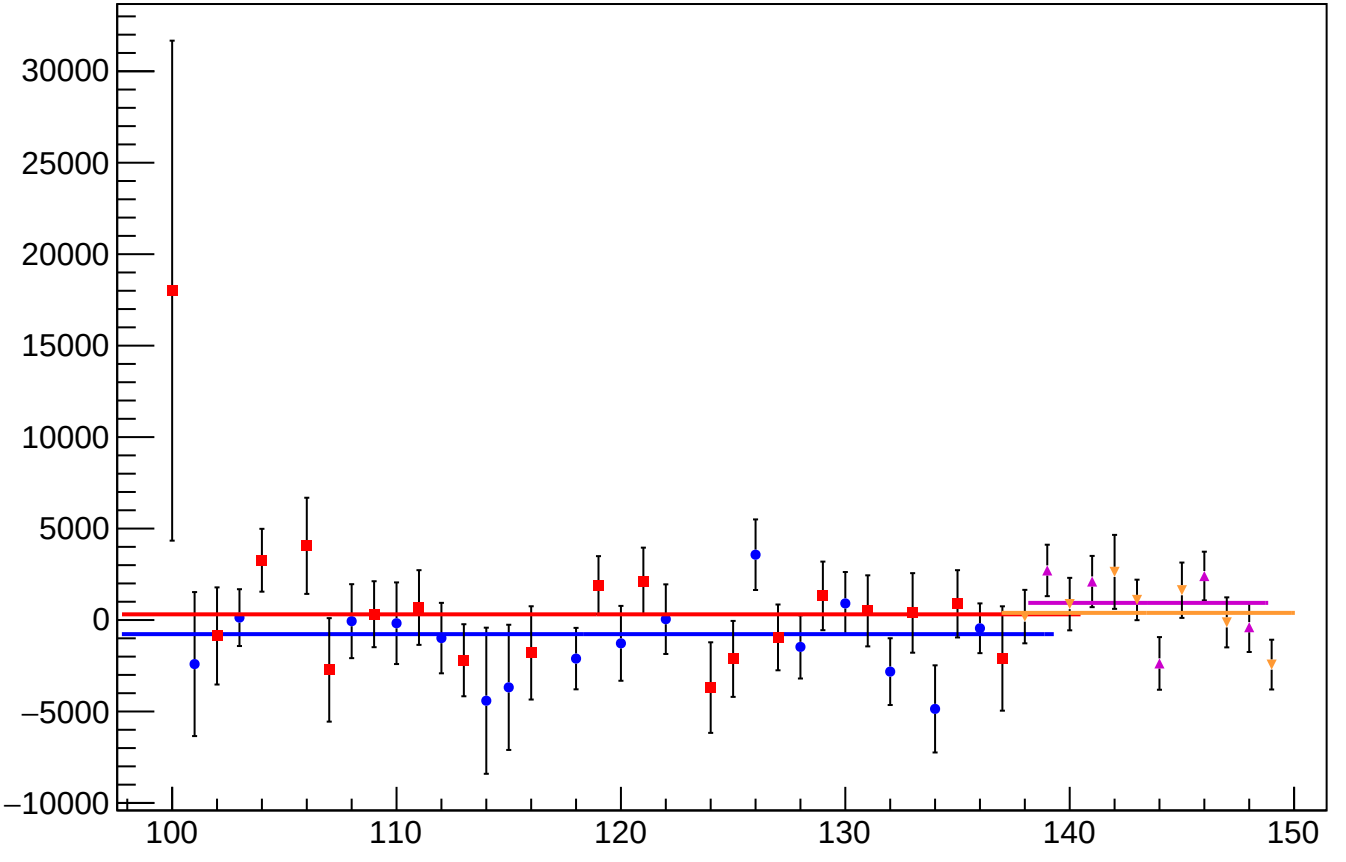
Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

+ sign 320.183+/-0.074 χ^2/NDF: 6139510.3/22

All: 325.981+/-0.054 χ^2/NDF: 10625326.6/46

- 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: 390.709+/-532.459 χ^2/NDF:6.9/6

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

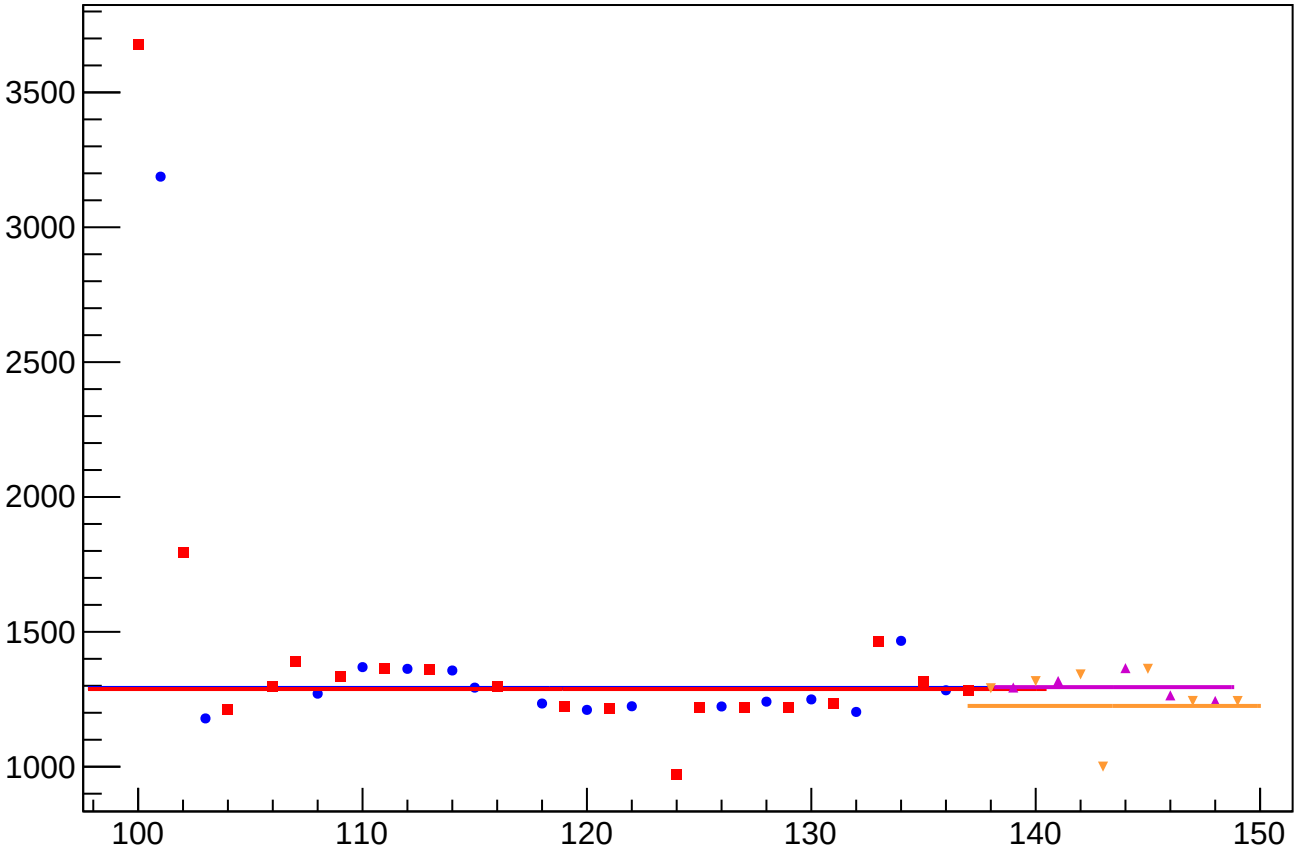
Left In: 937.011+/-619.503 χ^2/NDF:9.7/4

+ sign -239.042+/-360.401 χ^2/NDF: 23.1/22

All: 132.765+/-261.735 χ^2/NDF: 53.7/46

- 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: 1225.386+/-0.377 χ^2/NDF:118799.5/6

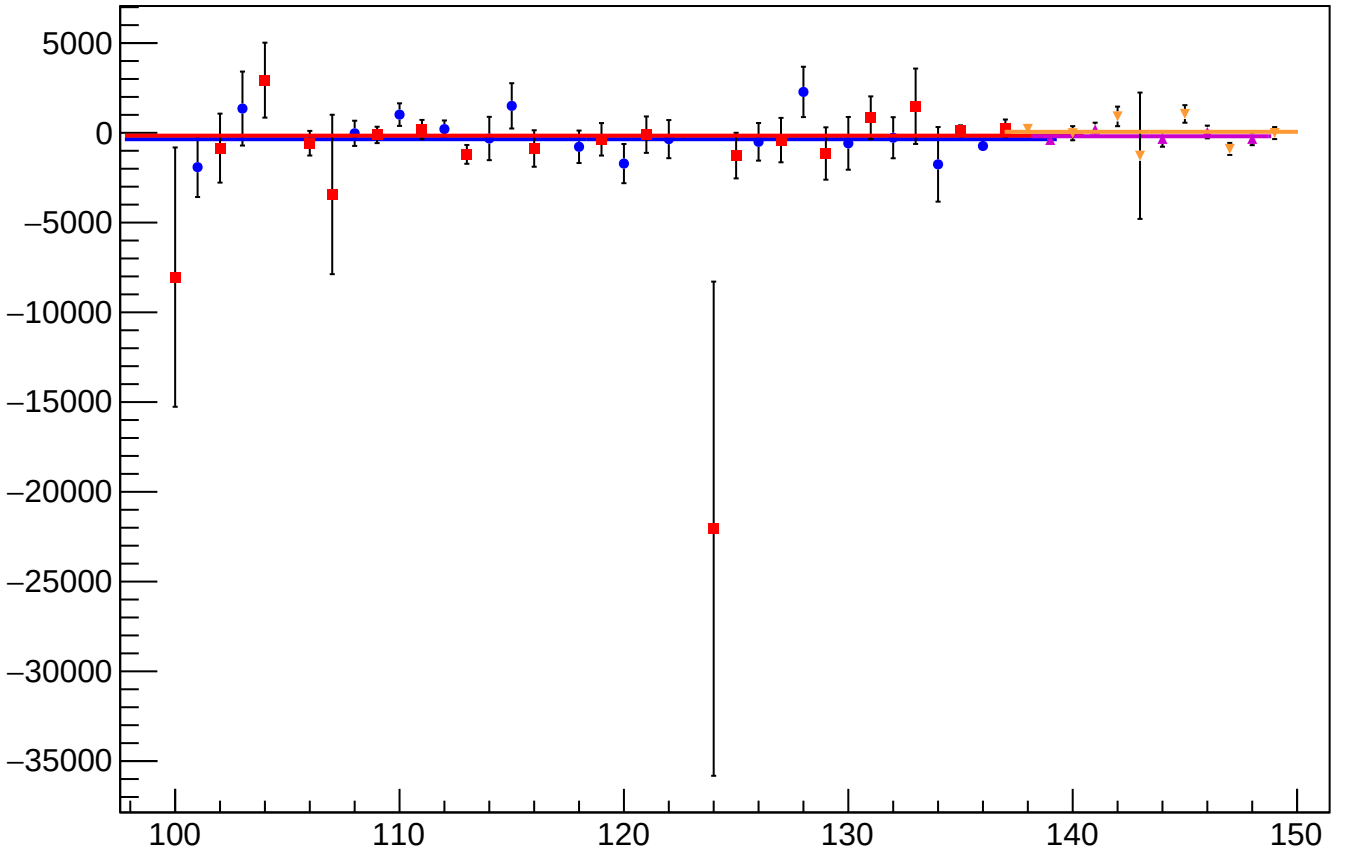
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1295.063+/-0.438 χ^2/NDF:9218.0/4

+ sign 1261.502+/-0.255 χ^2/NDF: 645187.1/22

All: 1275.282+/-0.185 χ^2/NDF: 869963.2/46

- 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: 57.041+/-143.217 χ^2/NDF:15.4/6

Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

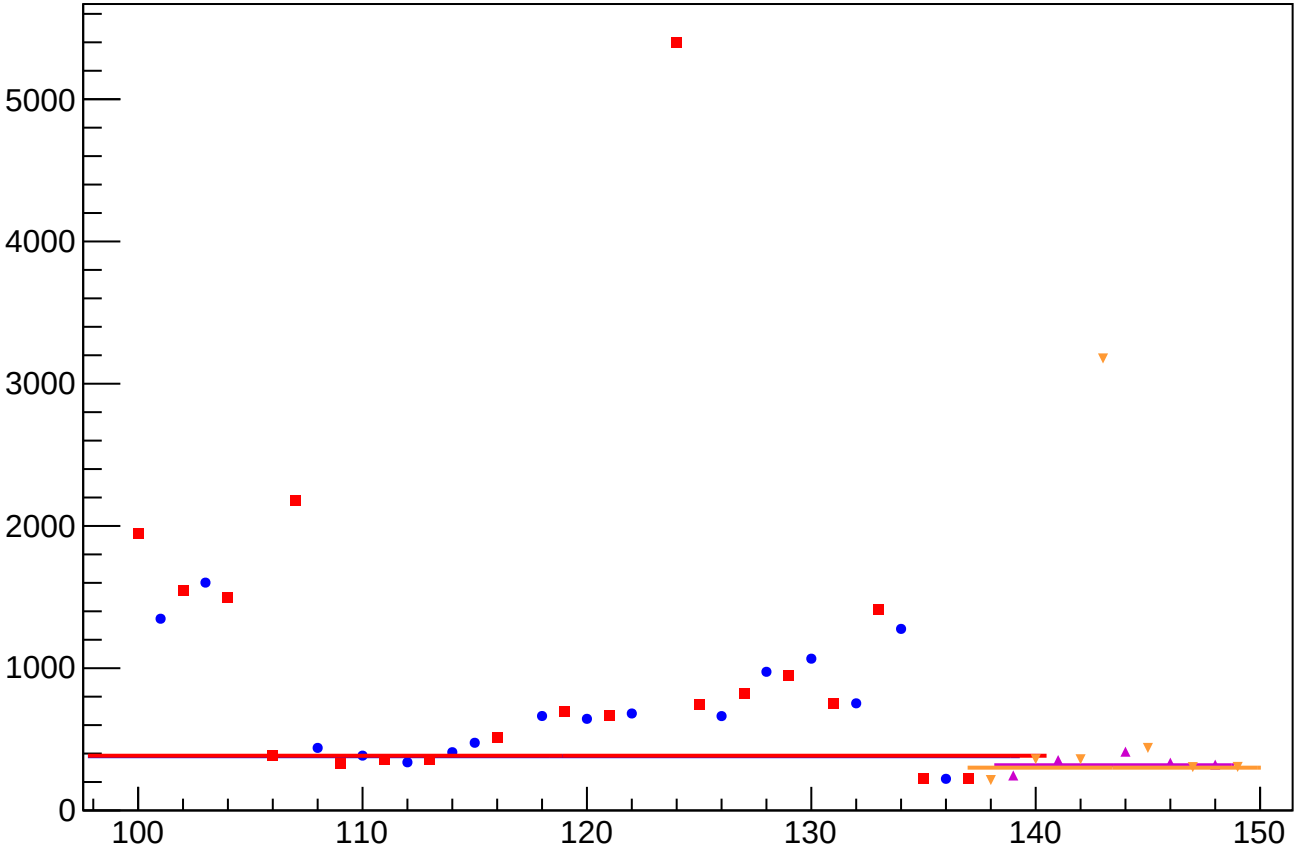
Left In: -192.040+/-155.654 χ^2/NDF:2.3/4

+ sign -114.130+/-109.521 χ^2/NDF: 37.3/22

All: -143.851+/-79.210 χ^2/NDF: 55.6/46

- sign -176.448+/-114.698 χ^2/NDF: 18.1/23

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 300.837+/-0.101 χ^2/NDF:1822142.5/6

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

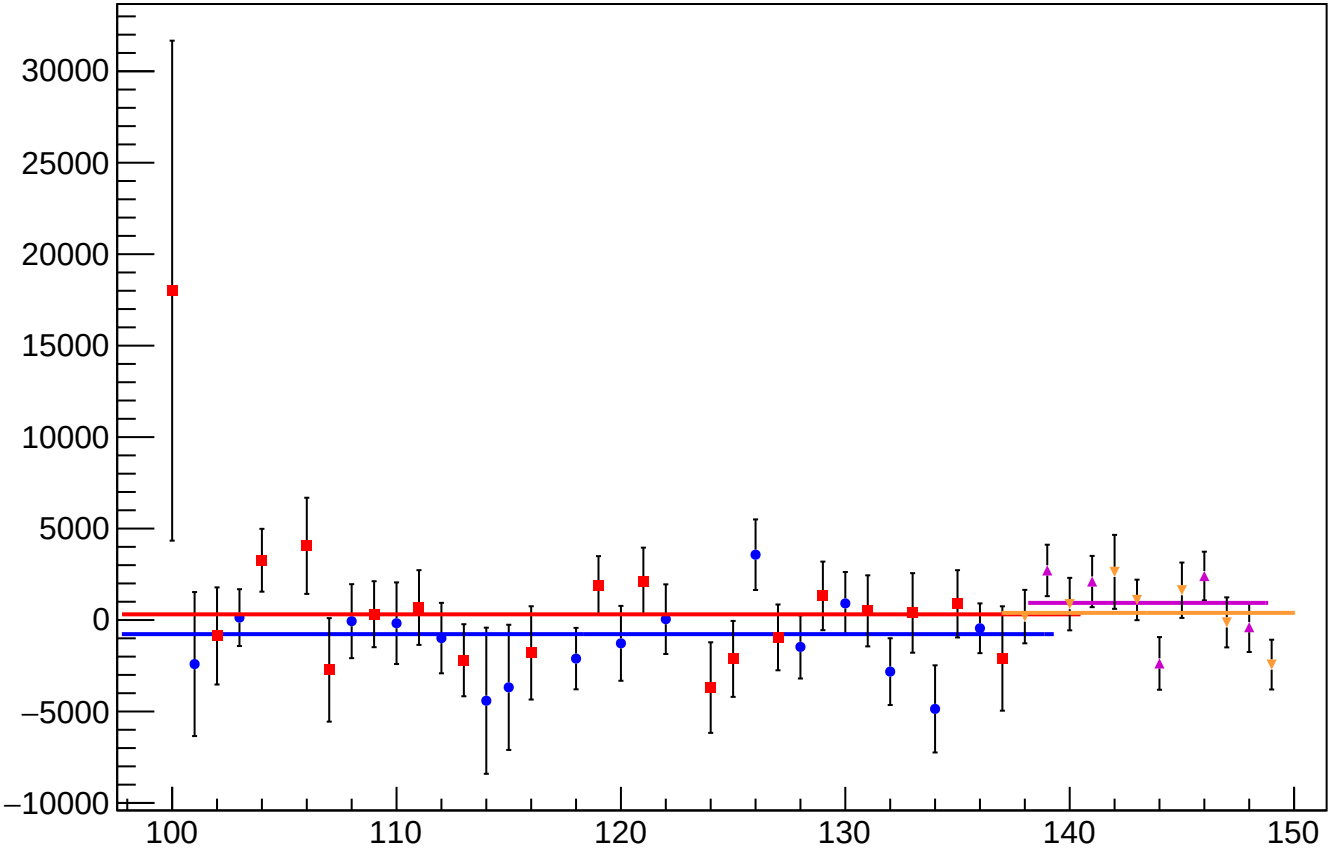
Left In: 317.710+/-0.110 χ^2/NDF:253908.7/4

+ sign 334.265+/-0.077 χ^2/NDF: 6402497.5/22

All: 340.960+/-0.056 χ^2/NDF: 11401334.9/46

- 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: 390.709+/-532.459 χ^2/NDF:6.9/6

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

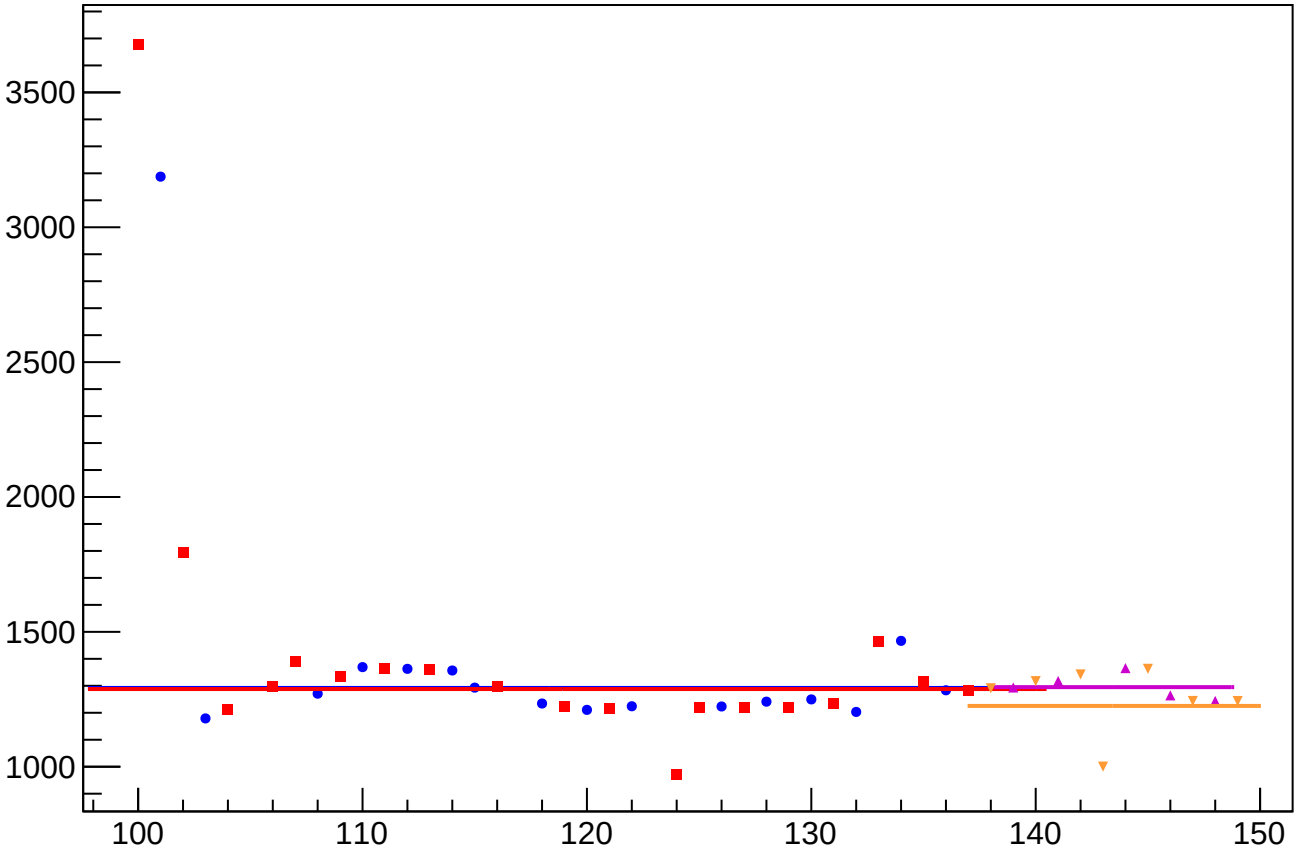
Left In: 937.007+/-619.503 χ^2/NDF:9.7/4

+ sign -239.044+/-360.401 χ^2/NDF: 23.1/22

All: 132.764+/-261.735 χ^2/NDF: 53.7/46

- 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: 1225.386+/-0.377 χ^2/NDF:118798.7/6

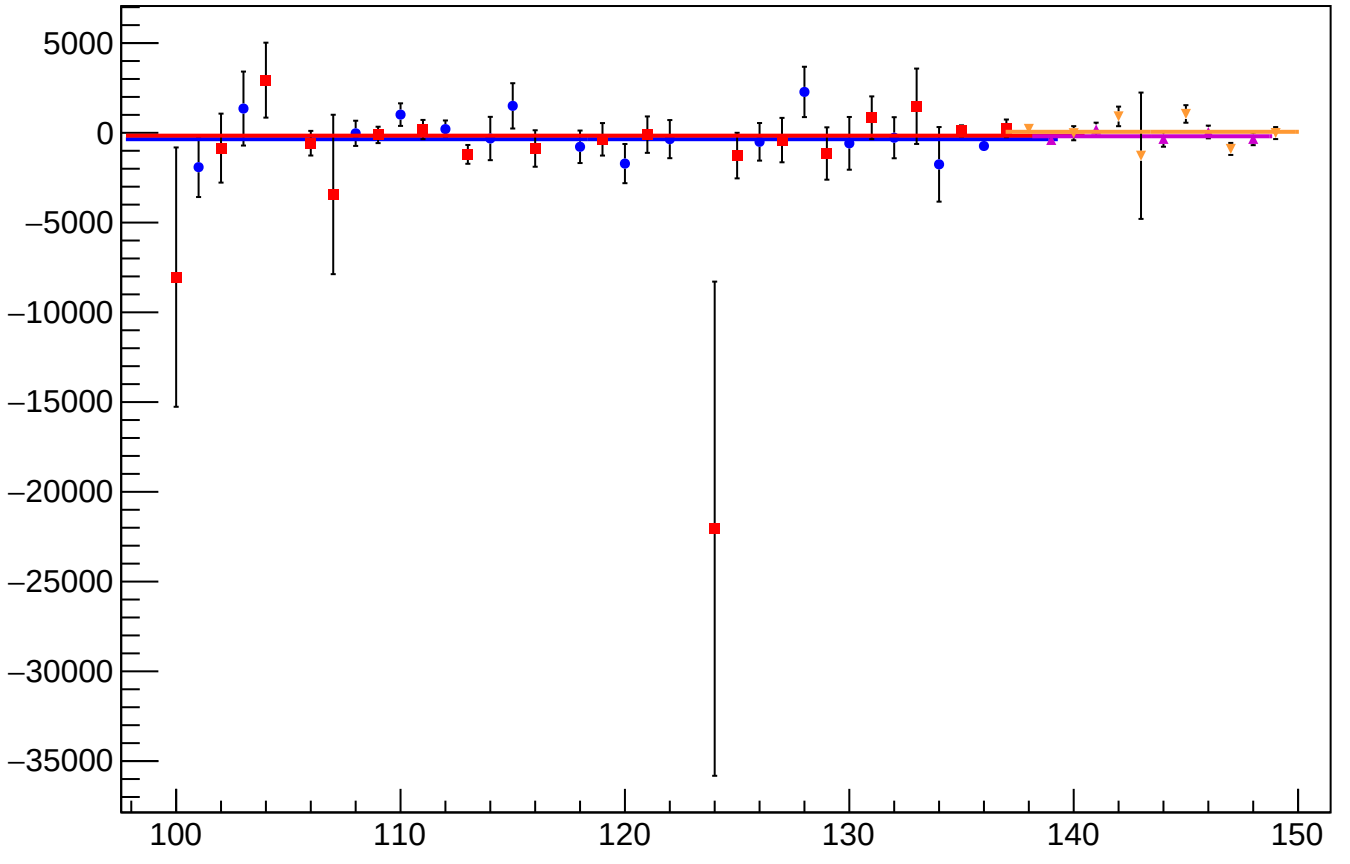
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1295.063+/-0.438 χ^2/NDF:9218.0/4

+ sign 1261.502+/-0.255 χ^2/NDF: 645186.2/22

All: 1275.282+/-0.185 χ^2/NDF: 869962.5/46

- 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: 57.035+/-143.220 χ^2/NDF:15.4/6

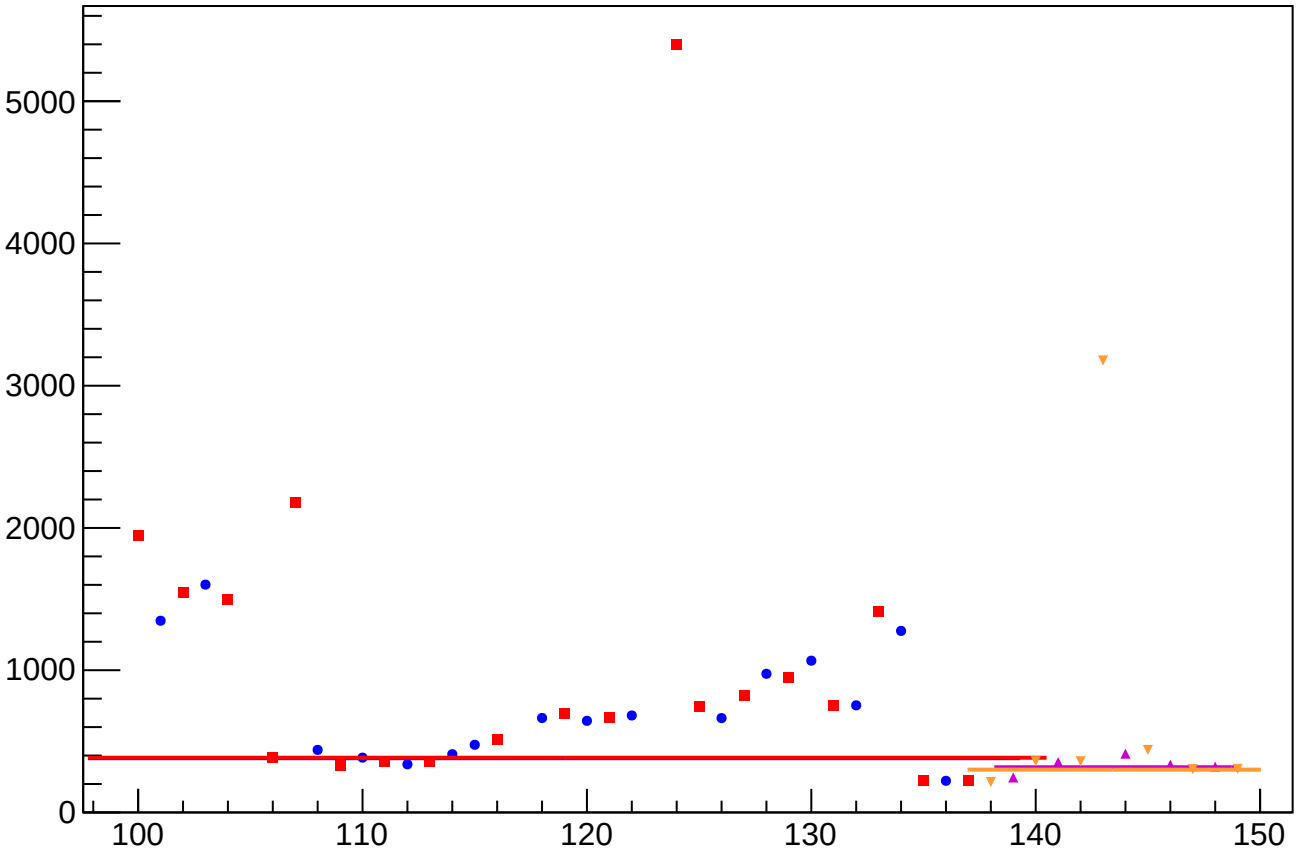
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -192.041+/-155.657 χ^2/NDF:2.3/4

\+ sign -114.134+/-109.524 χ^2/NDF: 37.3/22

All: -143.855+/-79.212 χ^2/NDF: 55.6/46

\- 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: 300.845+/-0.101 χ^2/NDF:1822040.2/6

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

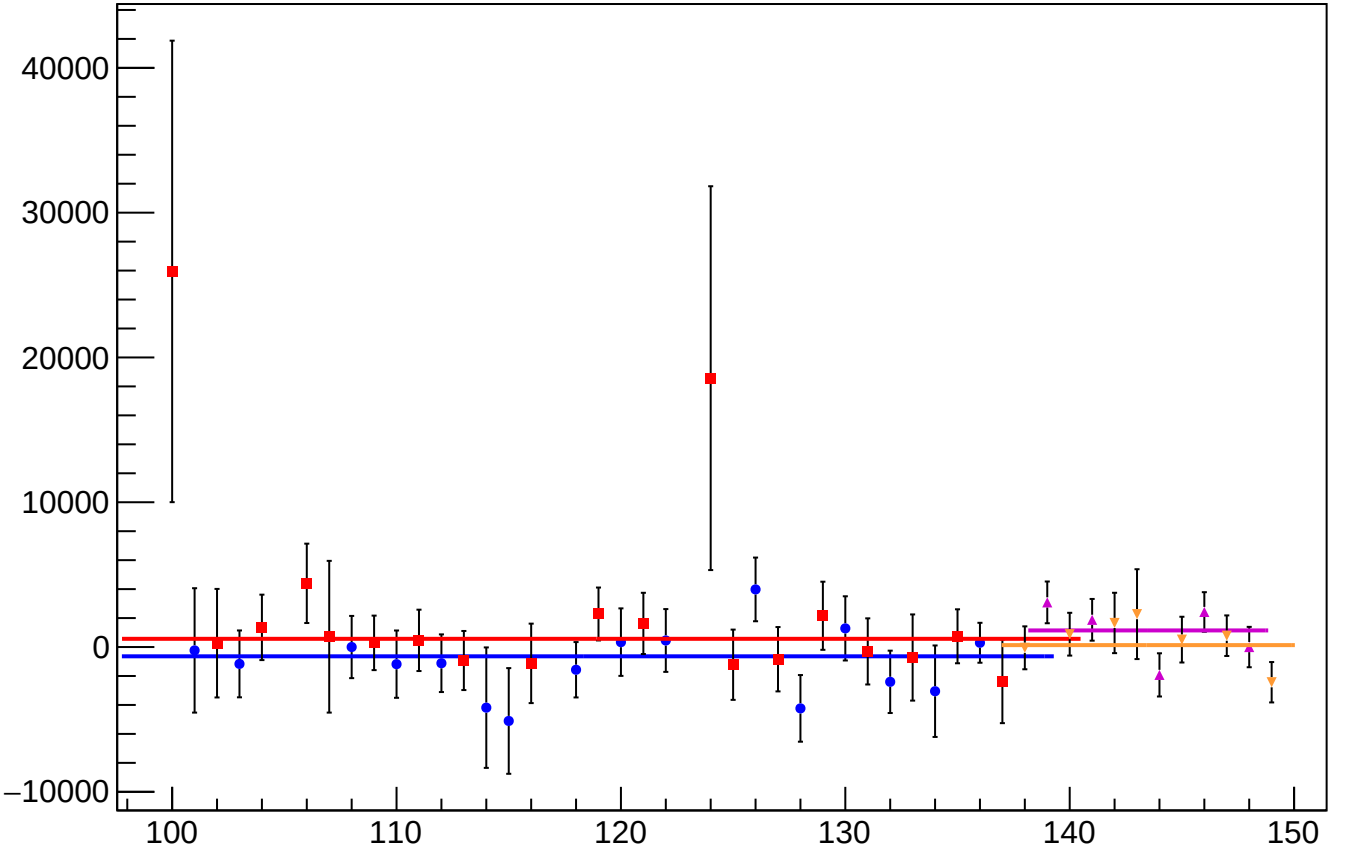
Left In: 317.717+/-0.110 χ^2/NDF:253839.1/4

+ sign 334.274+/-0.077 χ^2/NDF: 6402213.6/22

All: 340.968+/-0.056 χ^2/NDF: 11400836.5/46

- 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: 132.300+/-611.759 χ^2/NDF:4.9/6

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

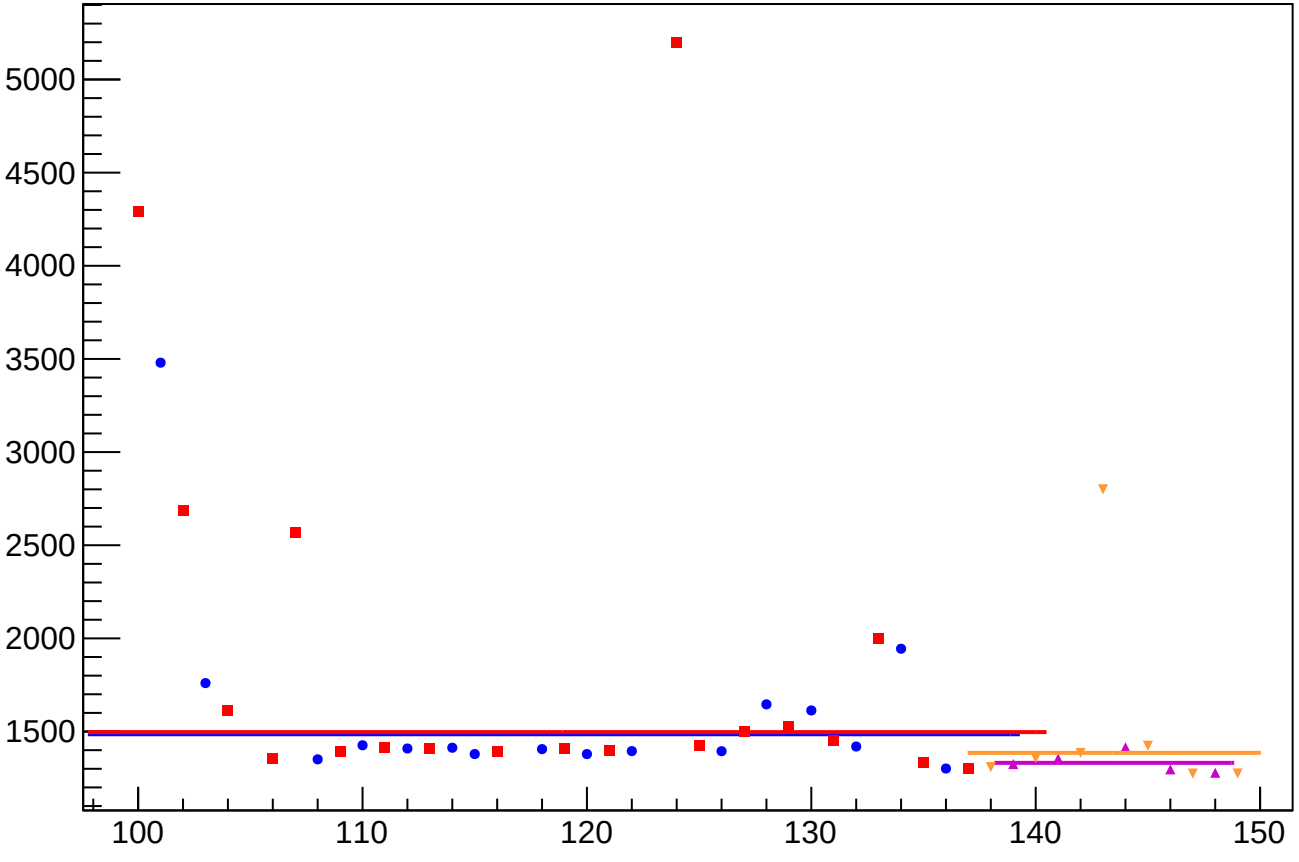
Left In: 1147.000+/-637.213 χ^2/NDF:7.9/4

+ sign -285.365+/-414.811 χ^2/NDF: 18.3/22

All: 257.499+/-296.337 χ^2/NDF: 41.4/46

- 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: 1385.641+/-0.433 χ^2/NDF:448067.7/6

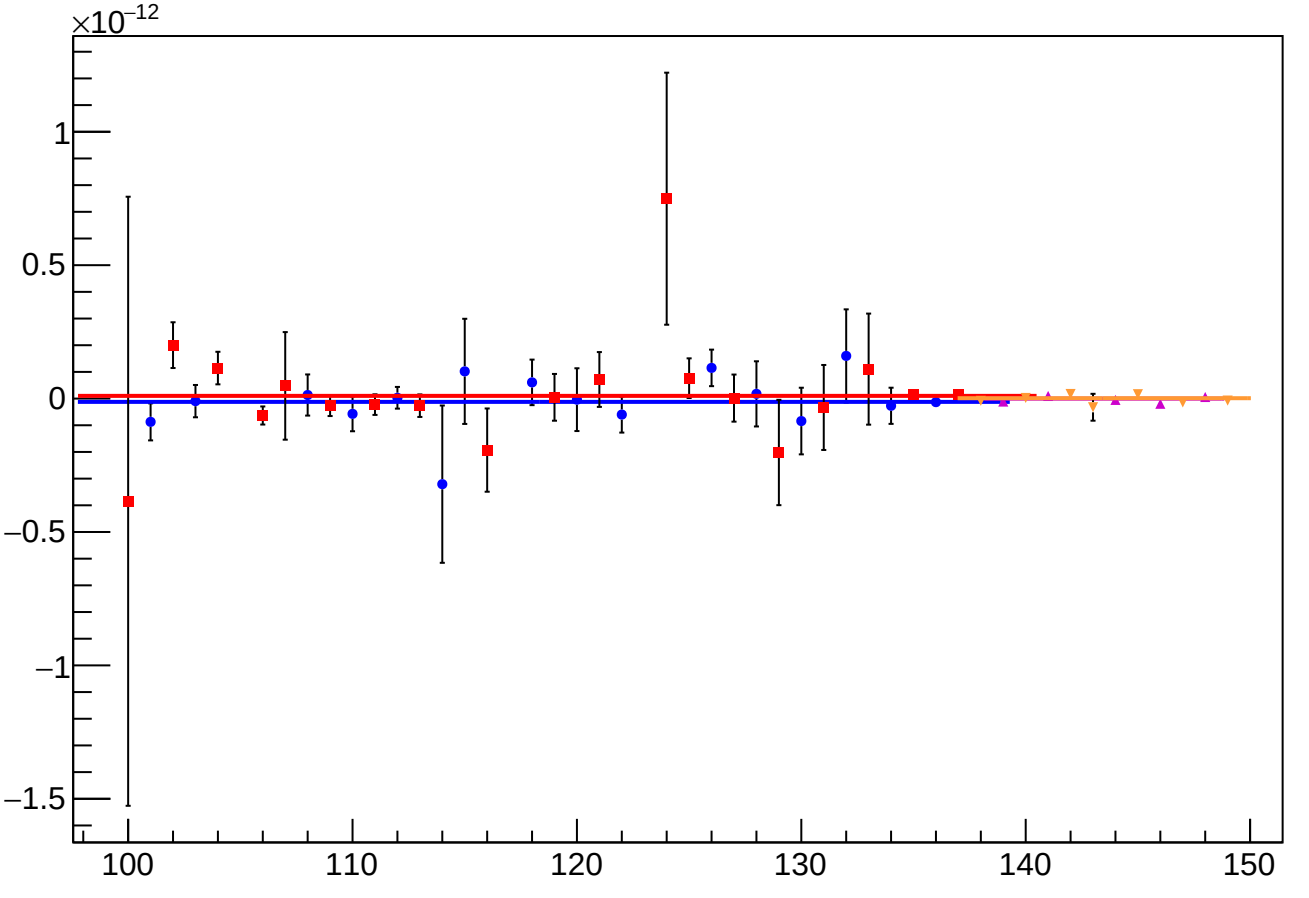
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1331.874+/-0.451 χ^2/NDF:11082.8/4

+ sign 1439.518+/-0.293 χ^2/NDF: 1061251.9/22

All: 1431.915+/-0.210 χ^2/NDF: 1771860.9/46

- 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:9.3/6

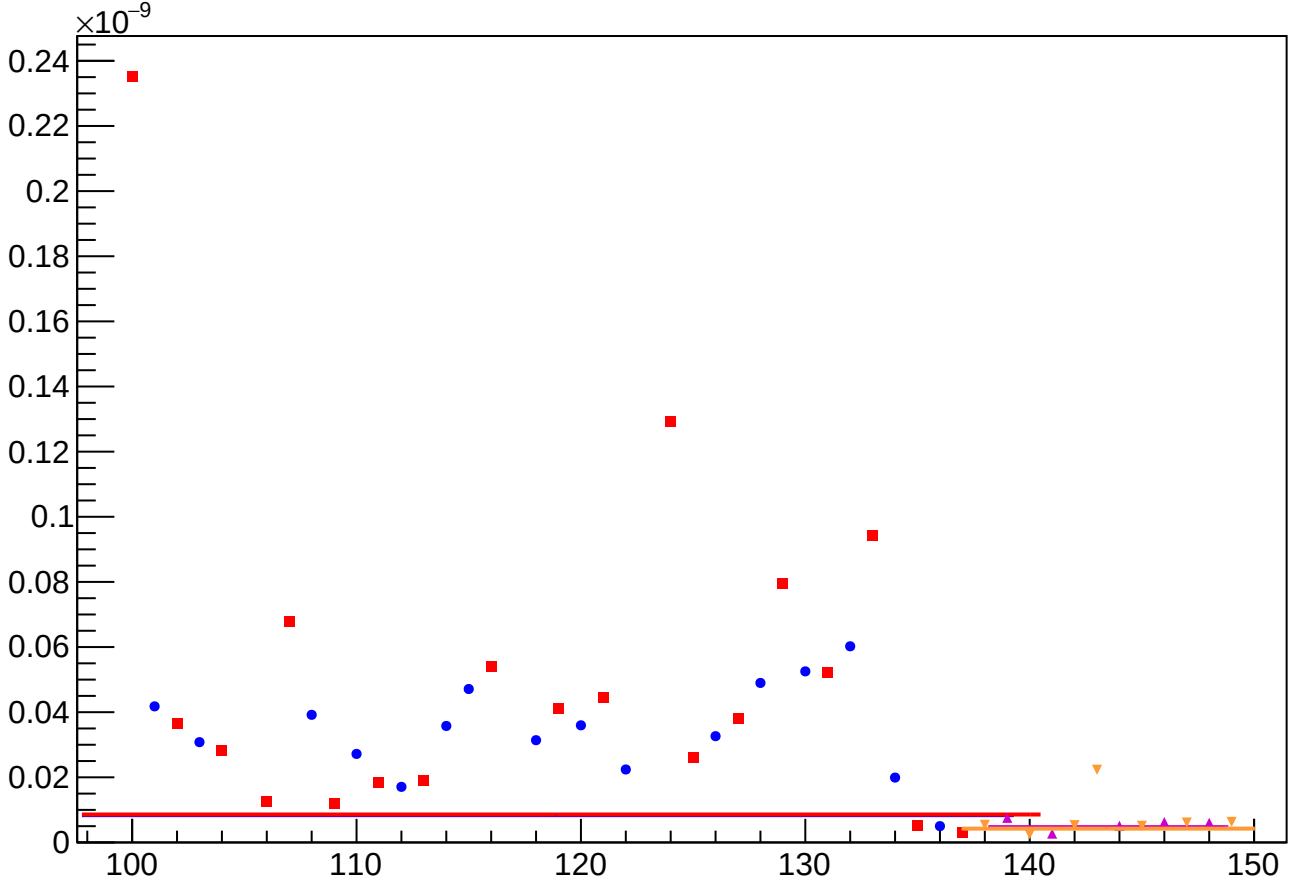
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/22

All: 0.000+/-0.000 χ^2/NDF: 53.8/46

- 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:713900.0/6

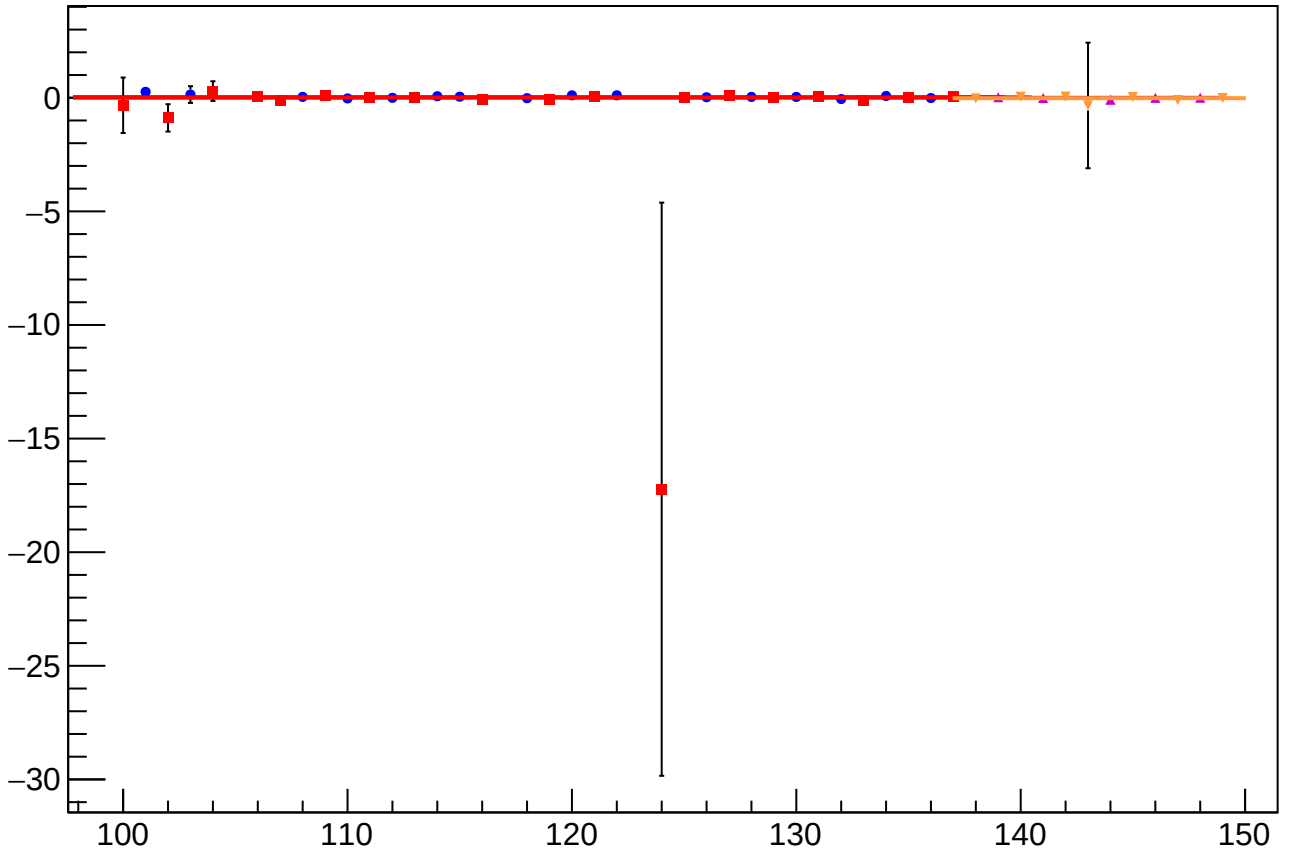
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:456853.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 4290491.5/22

All: 0.000+/-0.000 χ^2/NDF: 8500999.2/46

- 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: -0.019+/-0.015 χ^2/NDF:9.2/6

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

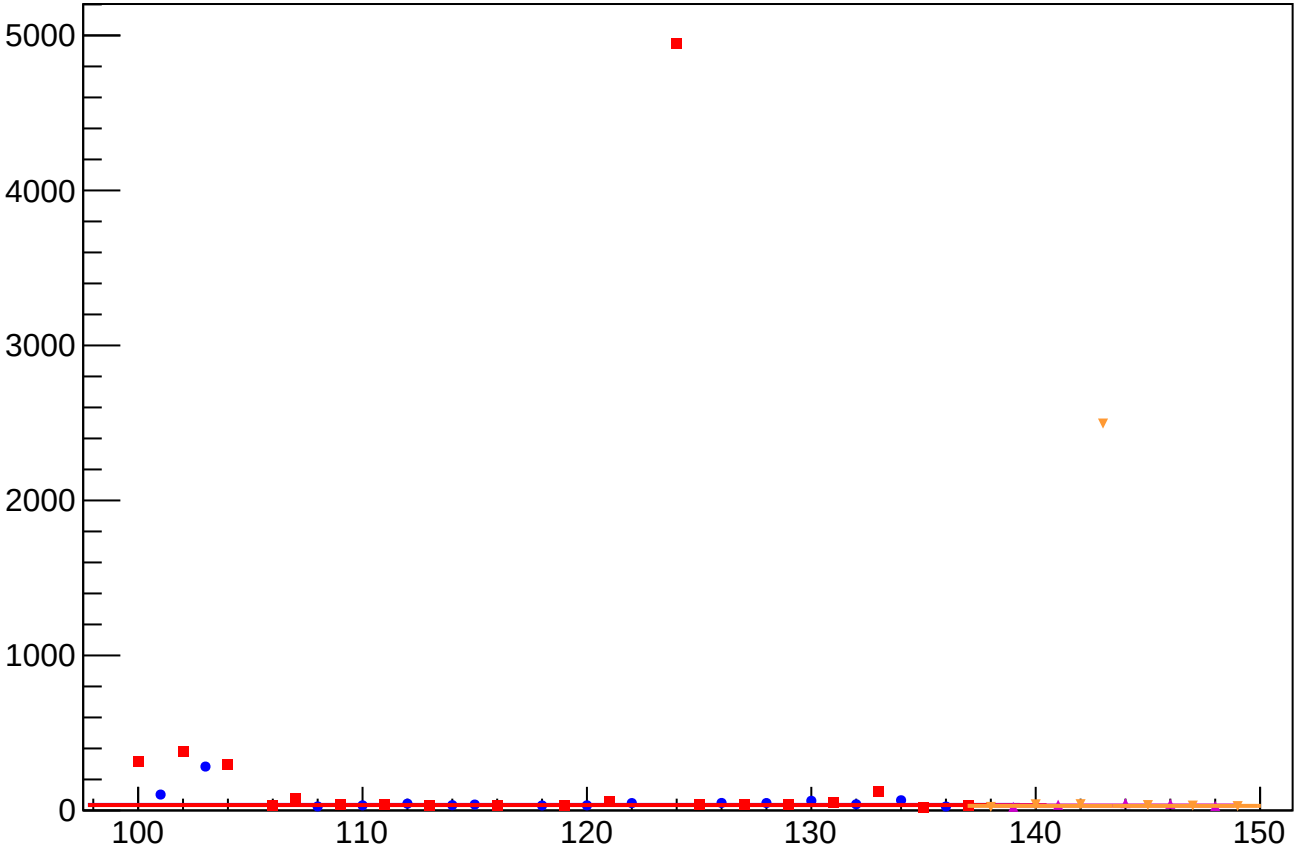
Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign -0.001+/-0.011 χ^2/NDF: 23.4/22

All: 0.002+/-0.008 χ^2/NDF: 43.6/46

- 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: 29.615+/-0.011 χ^2/NDF:1905740.5/6

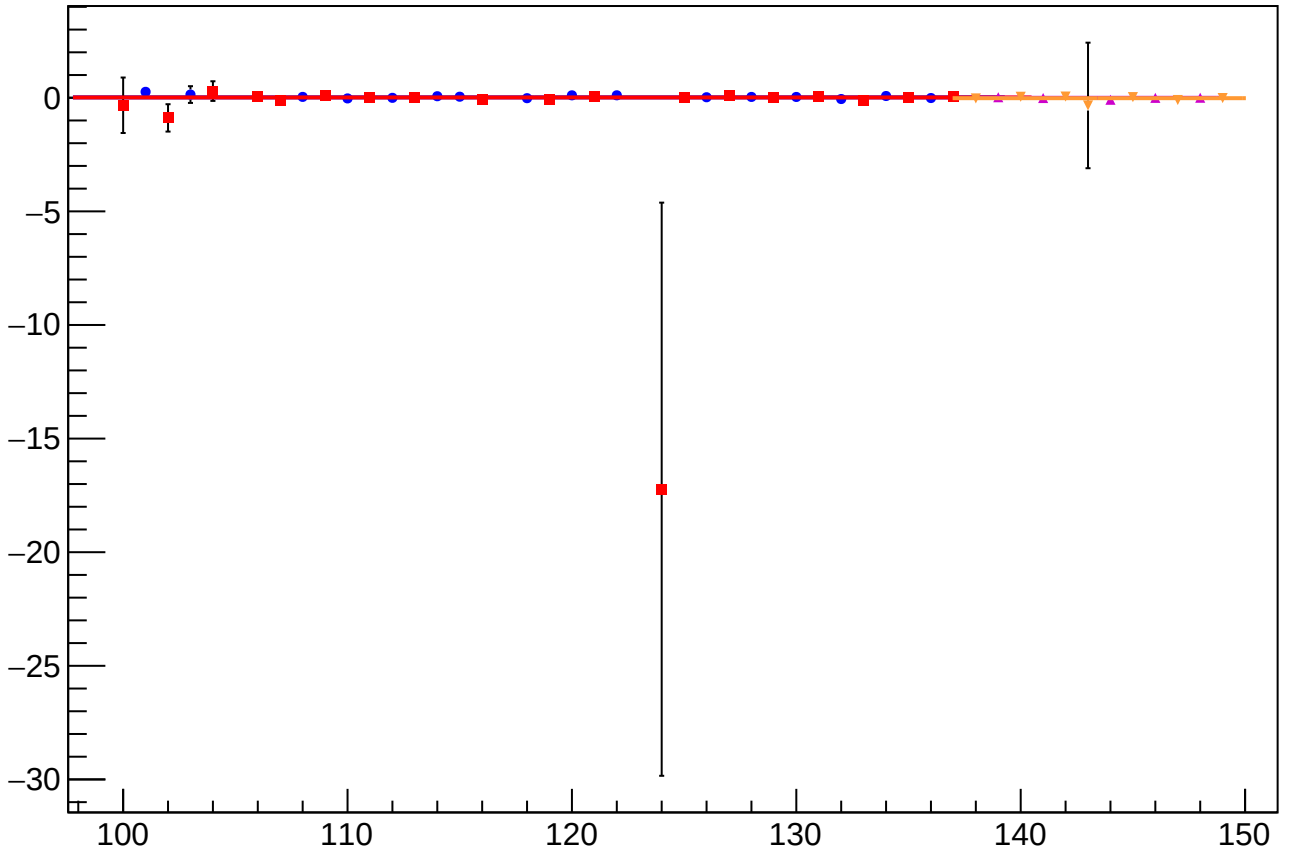
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

\+ sign 32.661+/-0.008 χ^2/NDF: 4328732.7/22

All: 33.100+/-0.006 χ^2/NDF: 7753732.9/46

\- 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: -0.019+/-0.015 χ^2/NDF:9.2/6

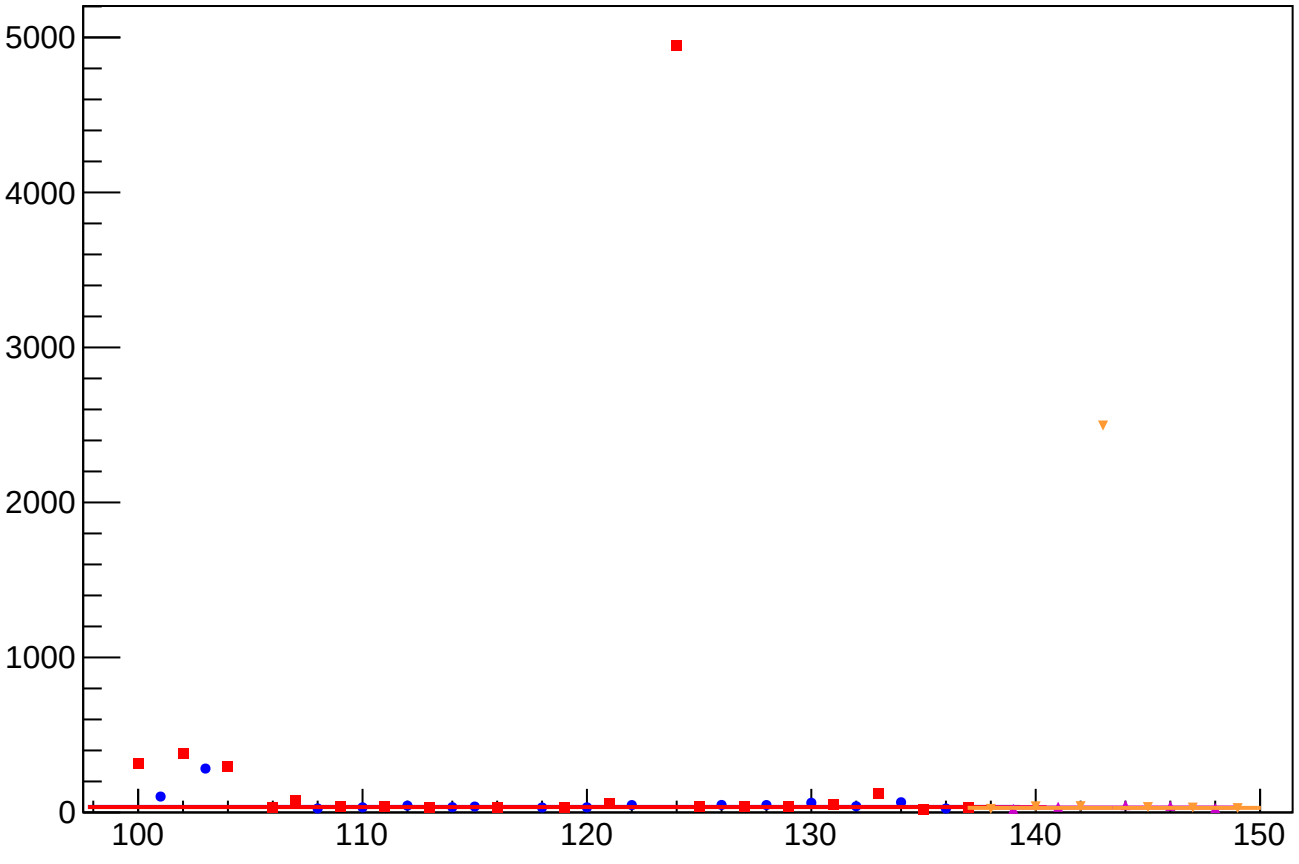
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign -0.001+/-0.011 χ^2/NDF: 23.4/22

All: 0.002+/-0.008 χ^2/NDF: 43.6/46

- 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: 29.615+/-0.011 χ^2/NDF:1905740.5/6

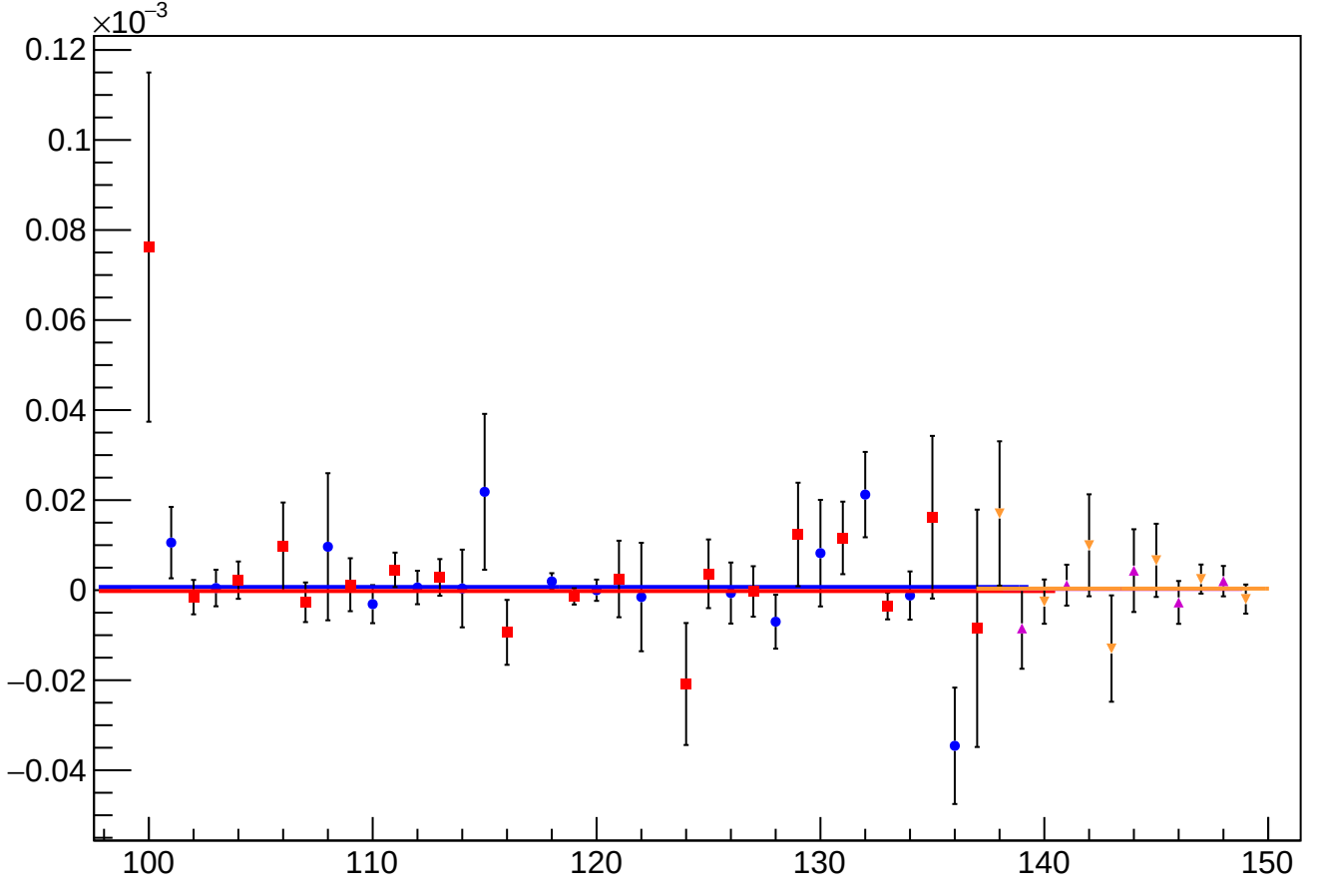
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

+ sign 32.661+/-0.008 χ^2/NDF: 4328732.7/22

All: 33.100+/-0.006 χ^2/NDF: 7753732.9/46

- 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:5.0/6

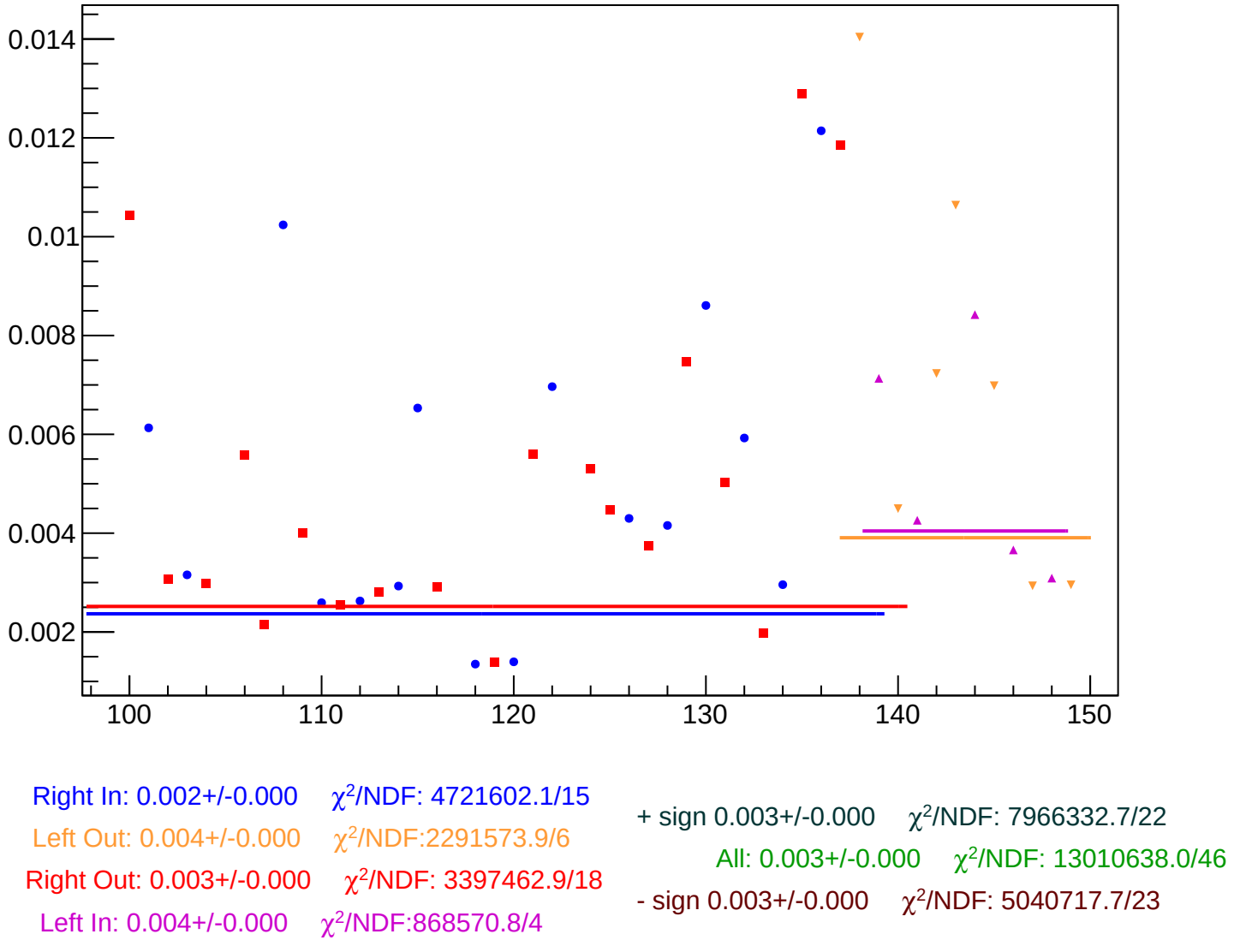
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

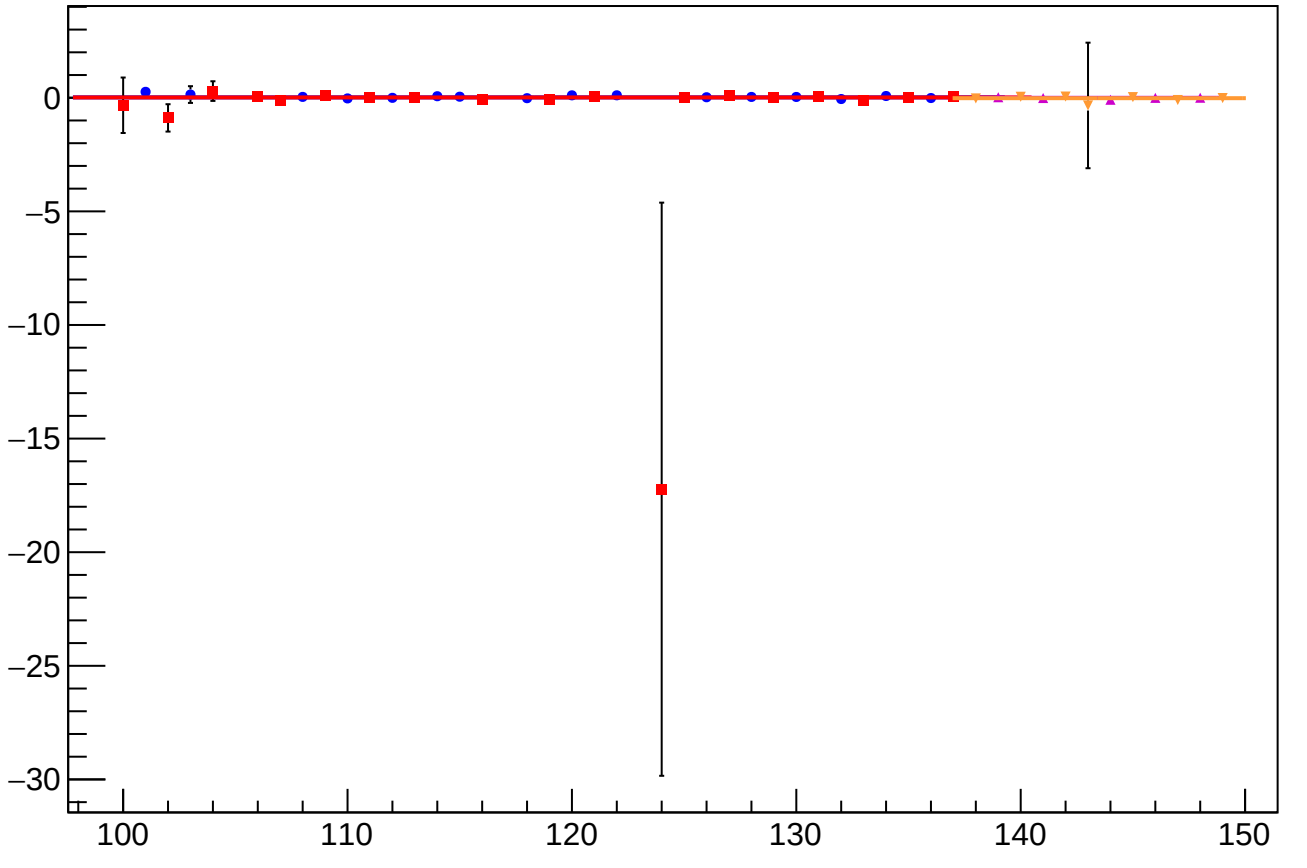
Left In: 0.000+/-0.000 χ^2/NDF:1.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 24.1/22

All: 0.000+/-0.000 χ^2/NDF: 44.3/46

- sign -0.000+/-0.000 χ^2/NDF: 20.0/23


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.004+/-0.000 χ²/NDF:2291573.9/6
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: 7966332.7/22
All: 0.003+/-0.000 χ²/NDF: 13010638.0/46
- sign 0.003+/-0.000 χ²/NDF: 5040717.7/23



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.019+/-0.015 χ^2/NDF:9.2/6

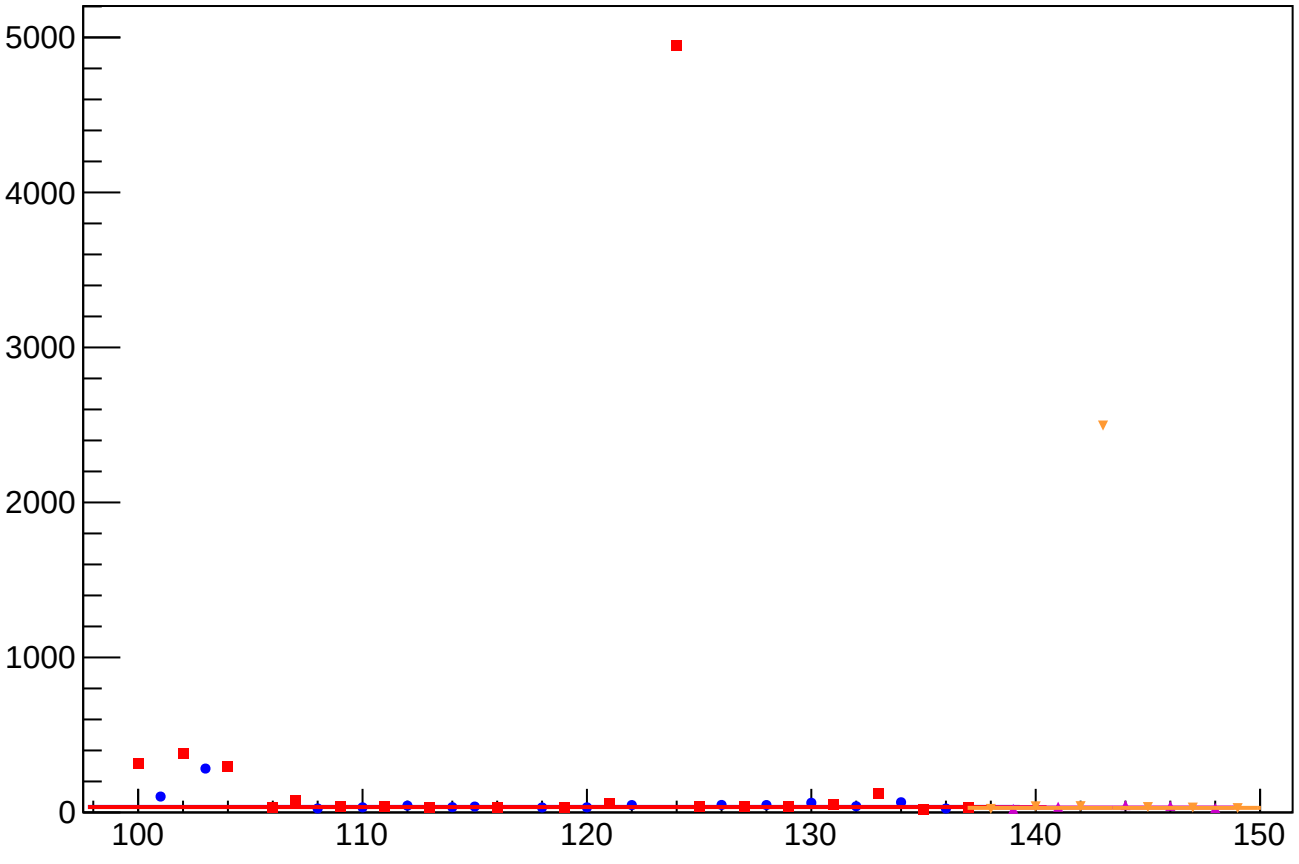
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign -0.001+/-0.011 χ^2/NDF: 23.4/22

All: 0.002+/-0.008 χ^2/NDF: 43.6/46

- 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: 29.615+/-0.011 χ^2/NDF:1905956.4/6

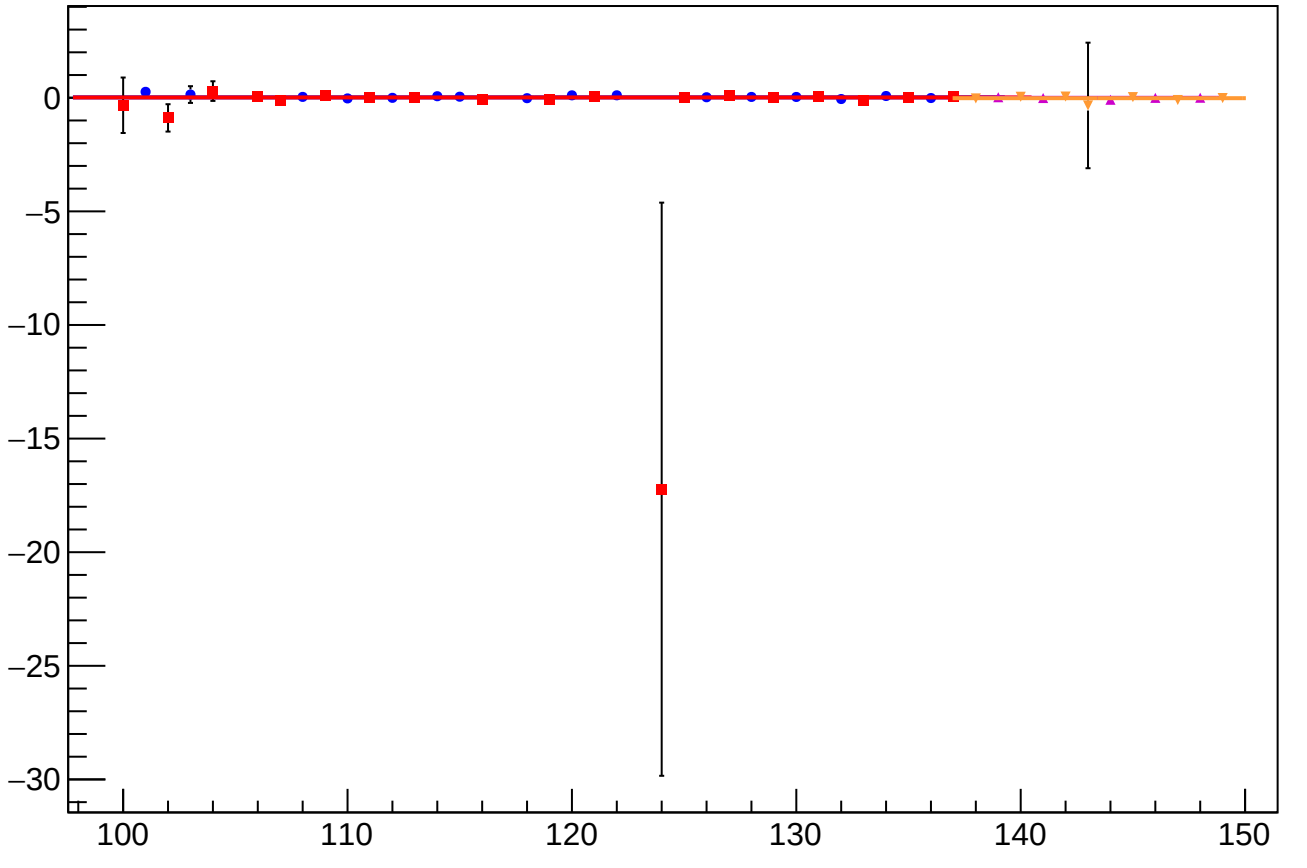
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

+ sign 32.662+/-0.008 χ^2/NDF: 4328764.1/22

All: 33.100+/-0.006 χ^2/NDF: 7753960.2/46

- 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: -0.019+/-0.015 χ^2/NDF:9.2/6

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

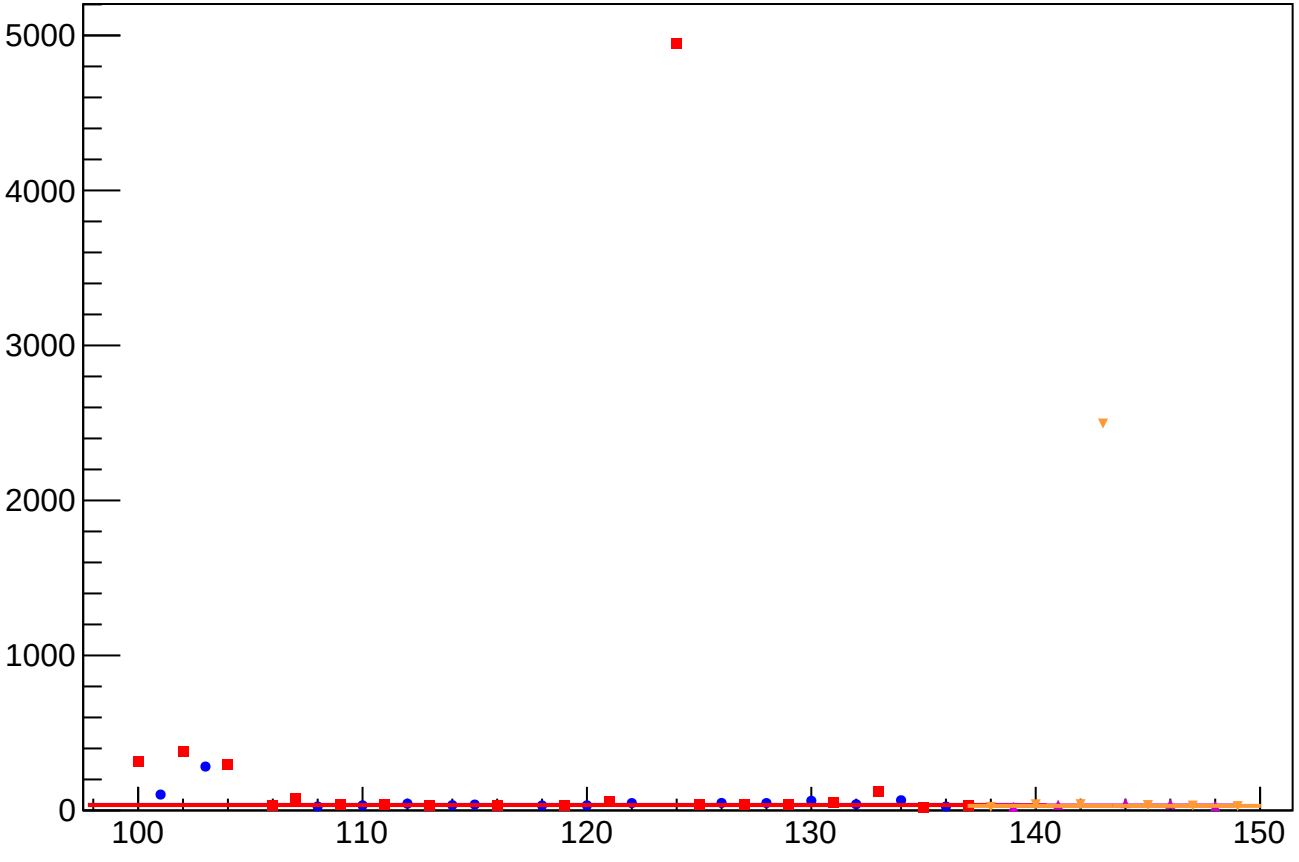
Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign -0.001+/-0.011 χ^2/NDF: 23.4/22

All: 0.002+/-0.008 χ^2/NDF: 43.6/46

- 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: 29.615+/-0.011 χ^2/NDF:1905956.4/6

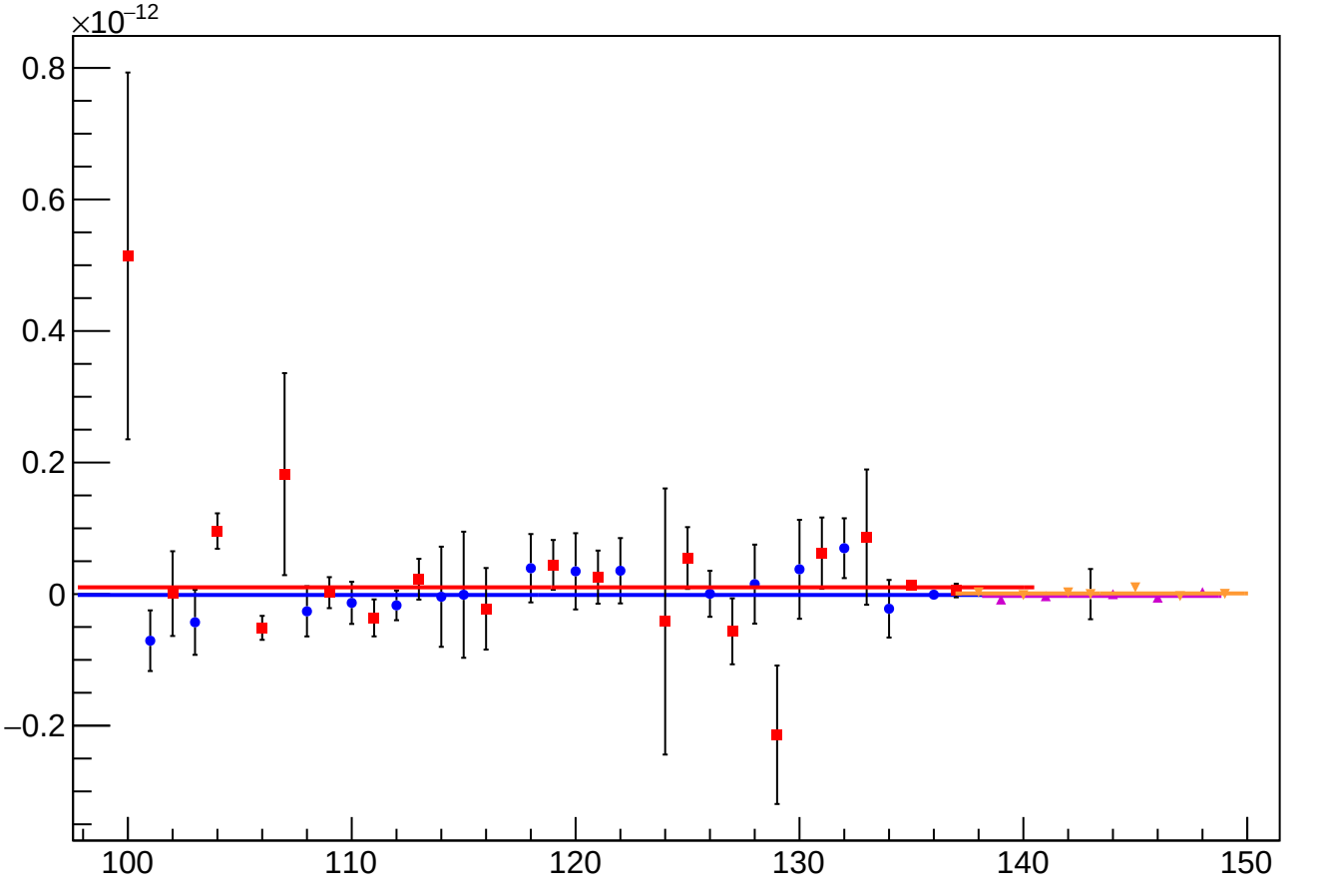
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

+ sign 32.662+/-0.008 χ^2/NDF: 4328764.1/22

All: 33.100+/-0.006 χ^2/NDF: 7753960.2/46

- 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:3.3/6

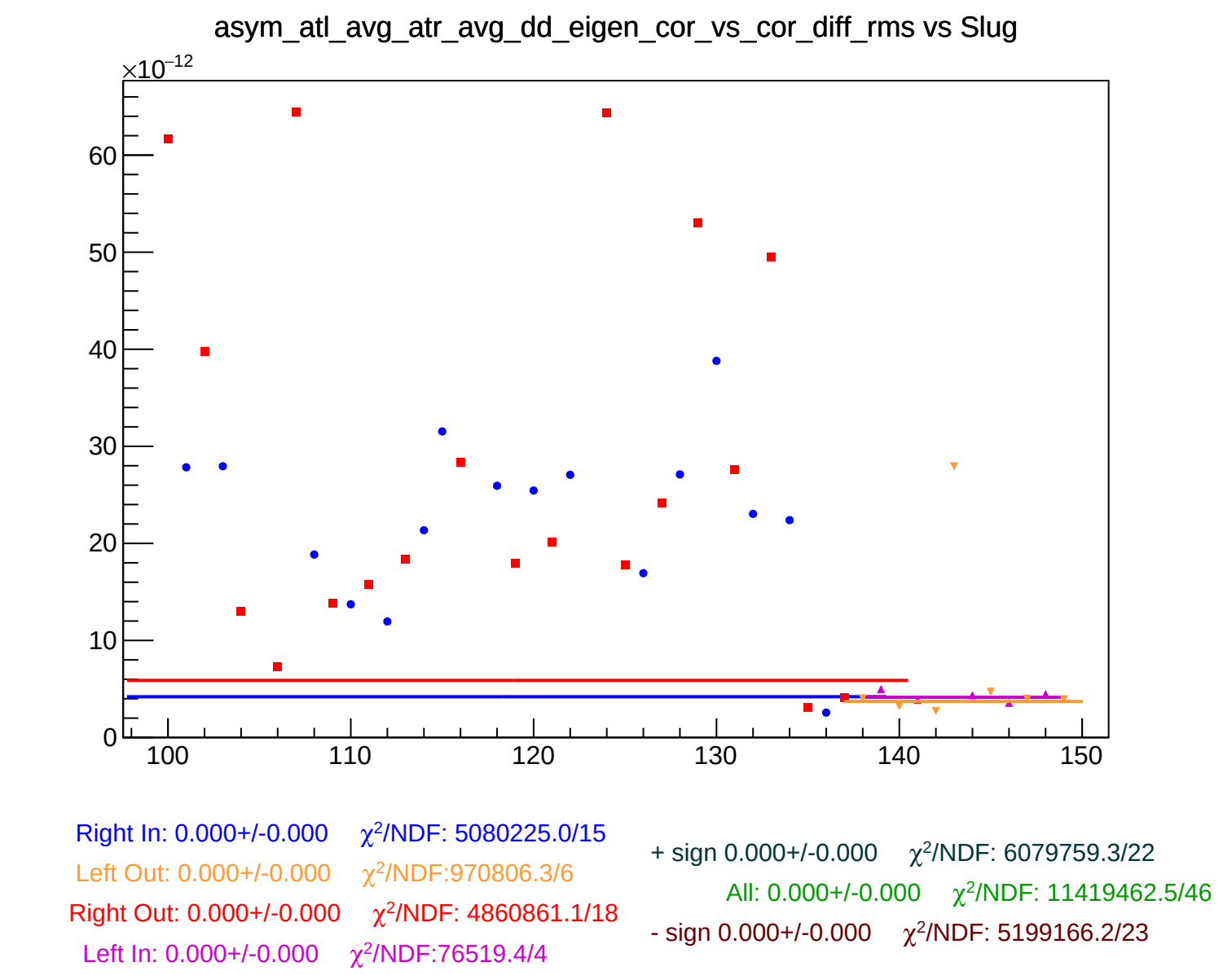
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

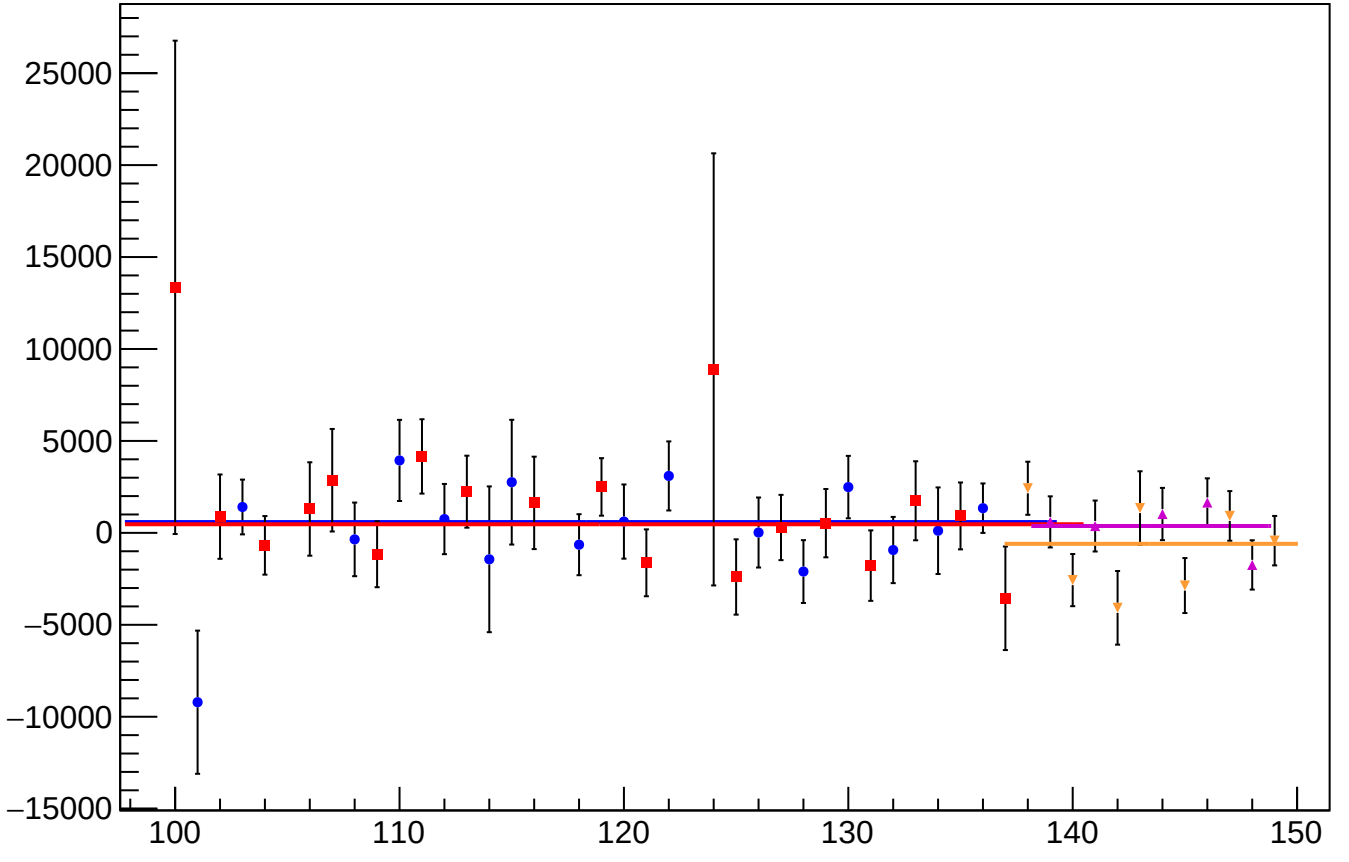
+ sign 0.000+/-0.000 χ^2/NDF: 12.2/22

All: 0.000+/-0.000 χ^2/NDF: 61.6/46

- 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:970806.3/6
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: 6079759.3/22
All: 0.000+/-0.000 χ²/NDF: 11419462.5/46
- 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: -595.369+/-575.022 χ^2/NDF:13.9/6

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

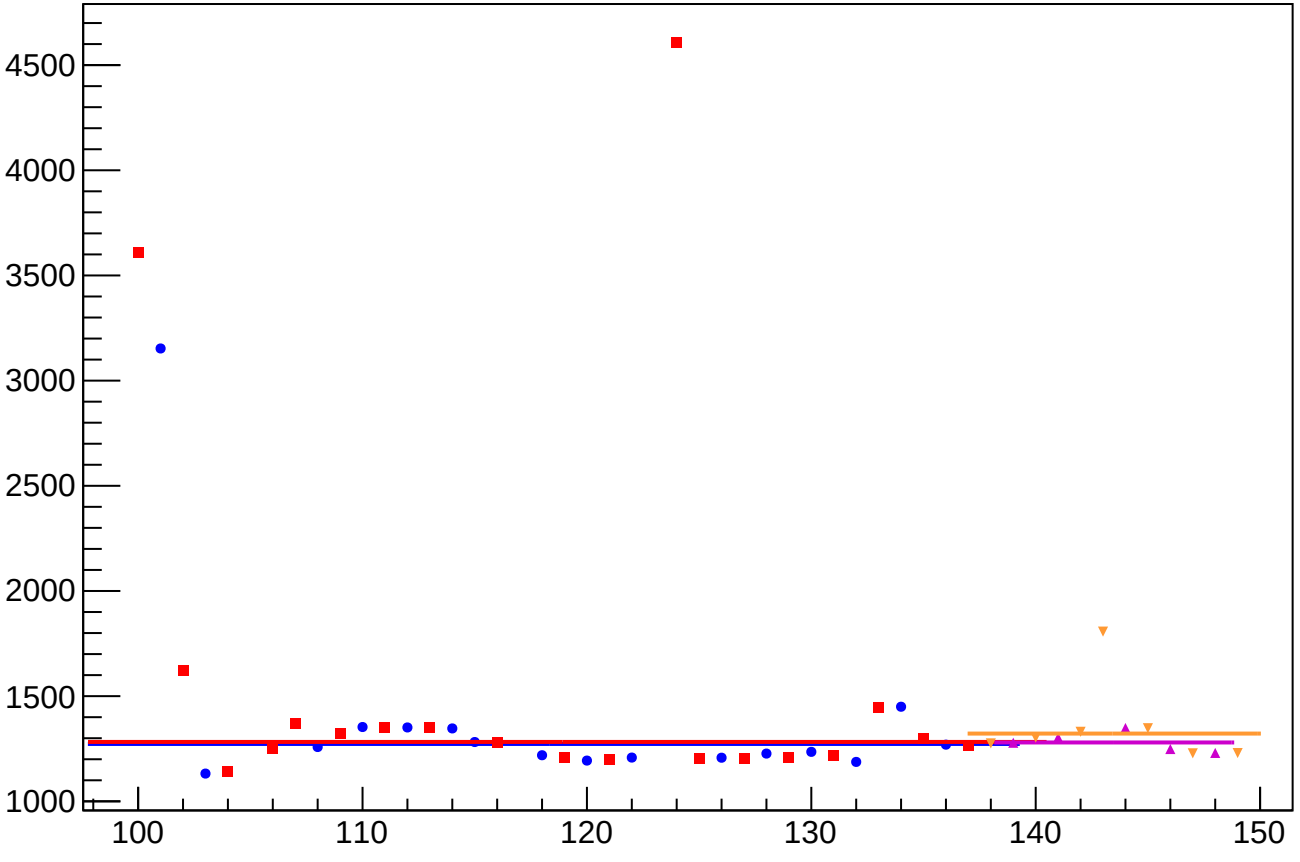
Left In: 373.535+/-612.184 χ^2/NDF:3.7/4

+ sign 98.514+/-369.587 χ^2/NDF: 33.4/22

All: 261.812+/-264.256 χ^2/NDF: 54.4/46

- 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: 1322.091+/-0.407 χ^2/NDF:139711.0/6

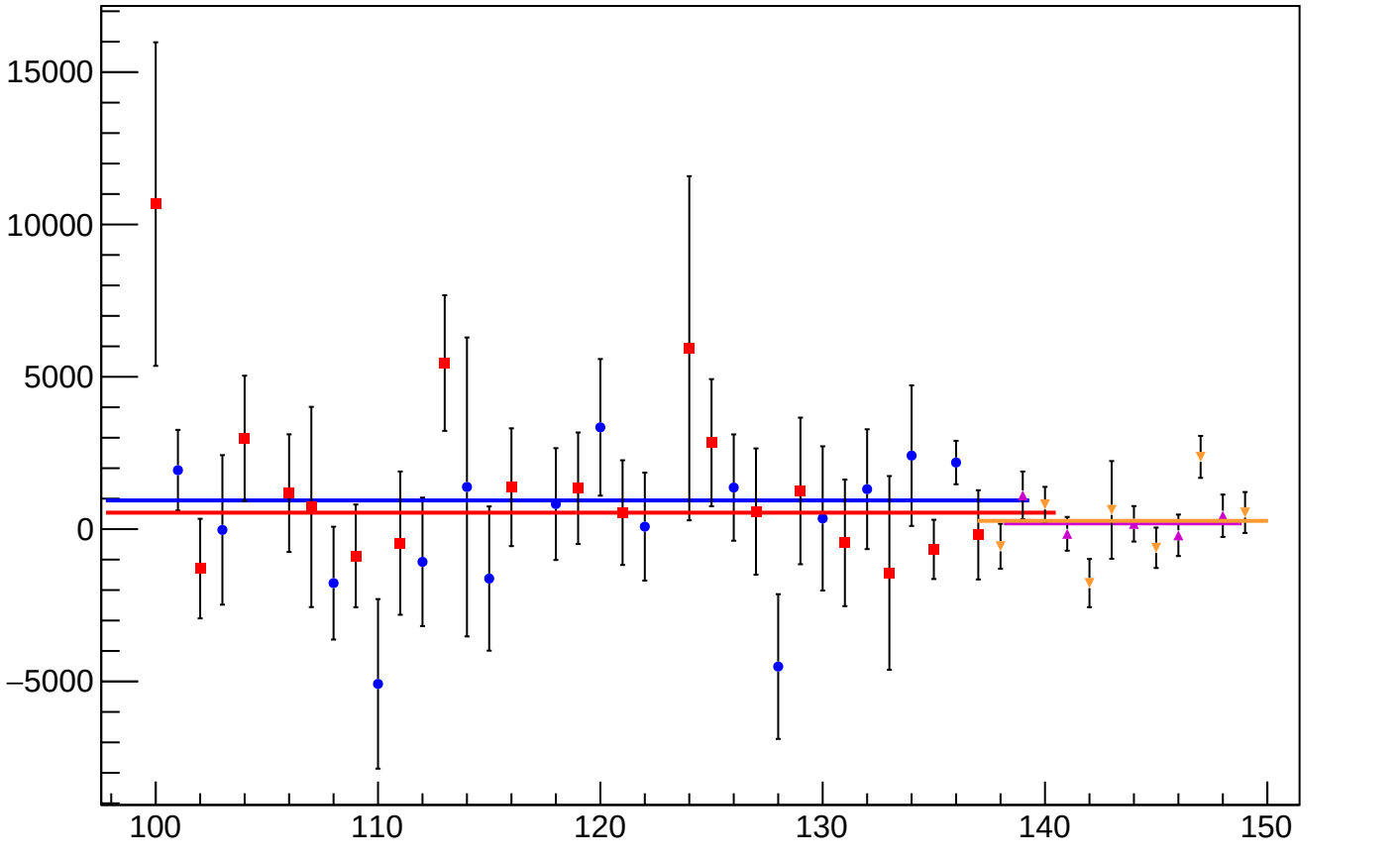
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

+ sign 1293.165+/-0.261 χ^2/NDF: 667632.6/22

All: 1287.412+/-0.187 χ^2/NDF: 999856.0/46

- 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: 271.677+/-272.931 χ^2/NDF:20.1/6

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

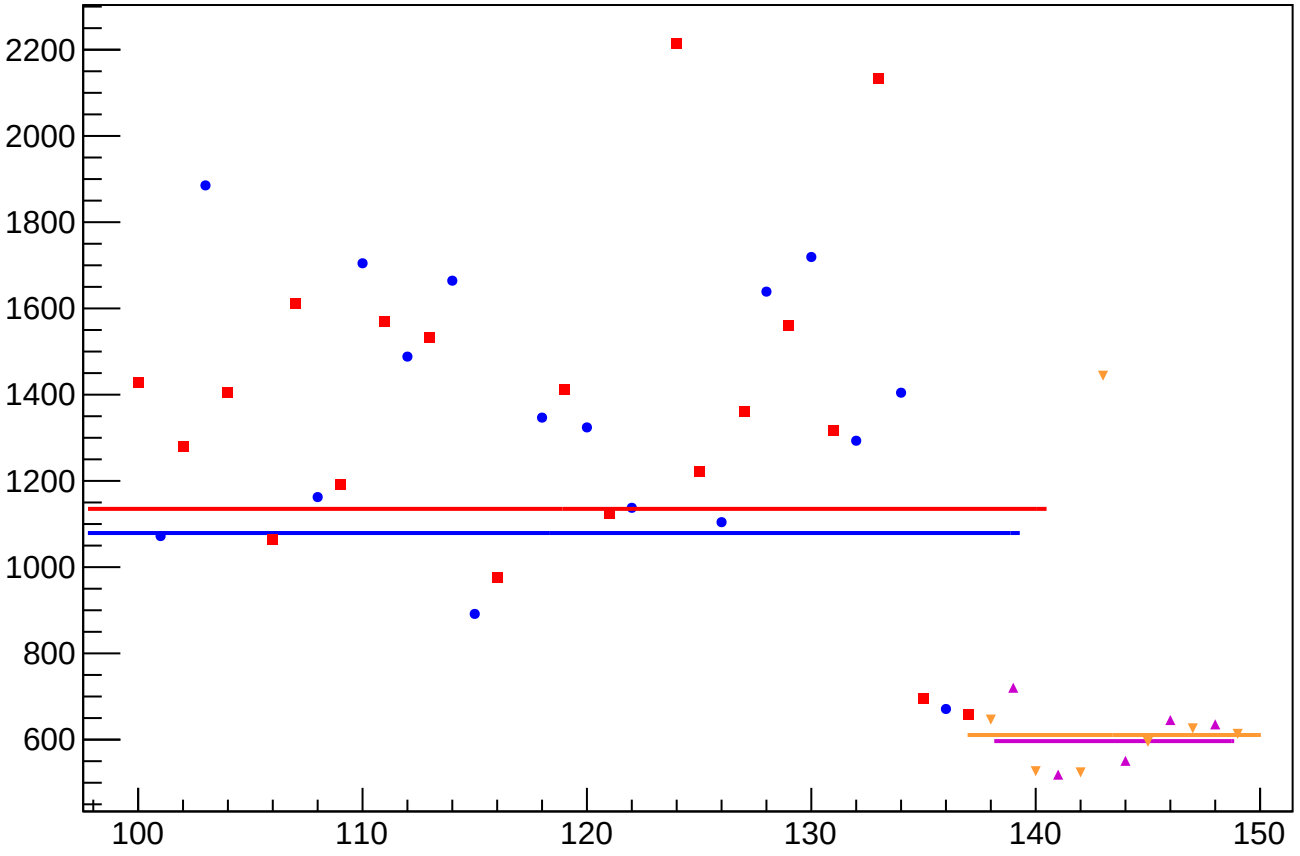
Left In: 189.835+/-288.021 χ^2/NDF:2.2/4

+ sign 466.790+/-229.785 χ^2/NDF: 41.7/22

All: 385.016+/-166.295 χ^2/NDF: 61.8/46

- 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: 610.729+/-0.193 χ^2/NDF:613238.9/6

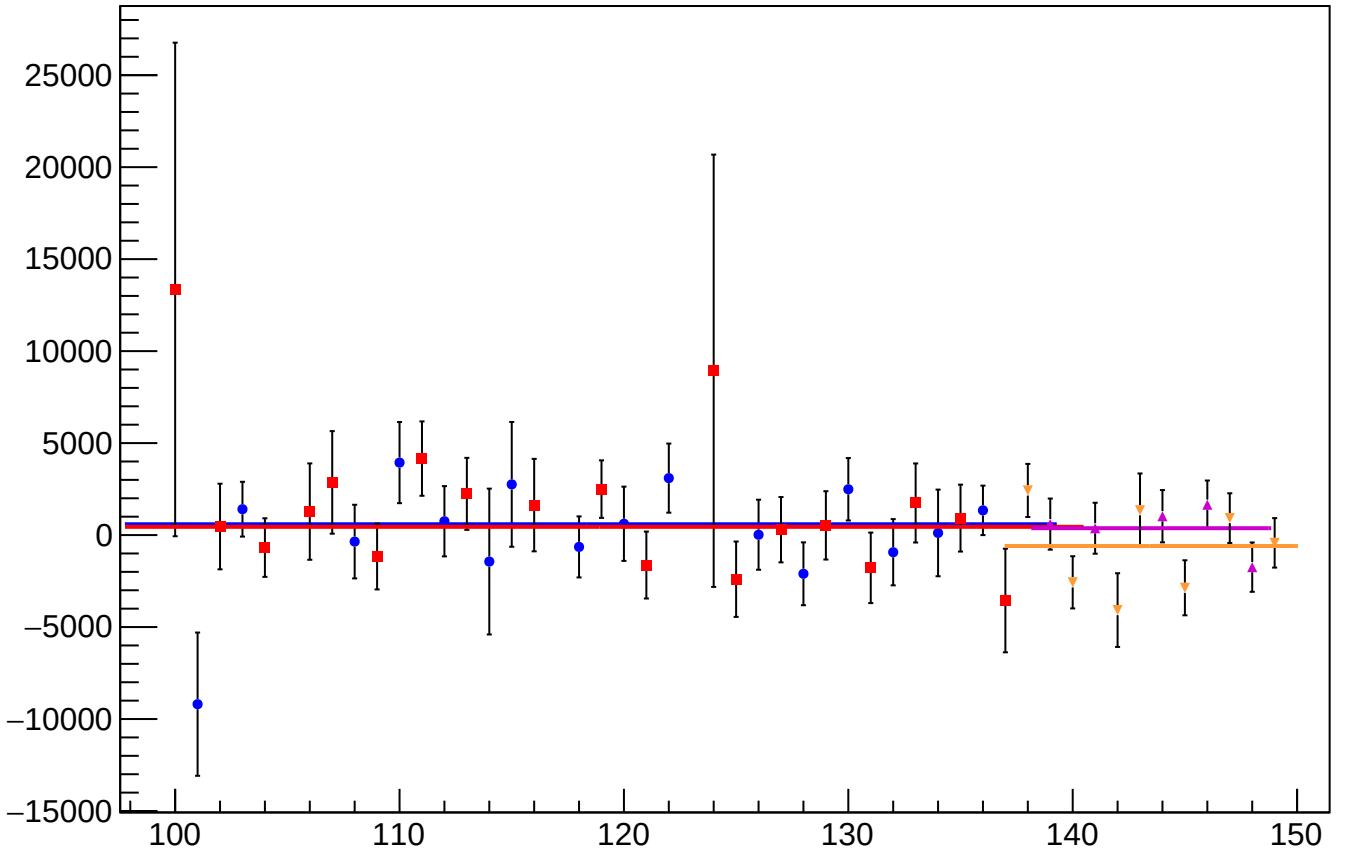
Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 596.560+/-0.204 χ^2/NDF:118118.4/4

\+ sign 747.113+/-0.162 χ^2/NDF: 3810606.4/22

All: 752.379+/-0.118 χ^2/NDF: 7322524.3/46

\- sign 758.169+/-0.170 χ^2/NDF: 3509713.1/23



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -595.426+/-575.022 χ^2/NDF:13.9/6

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

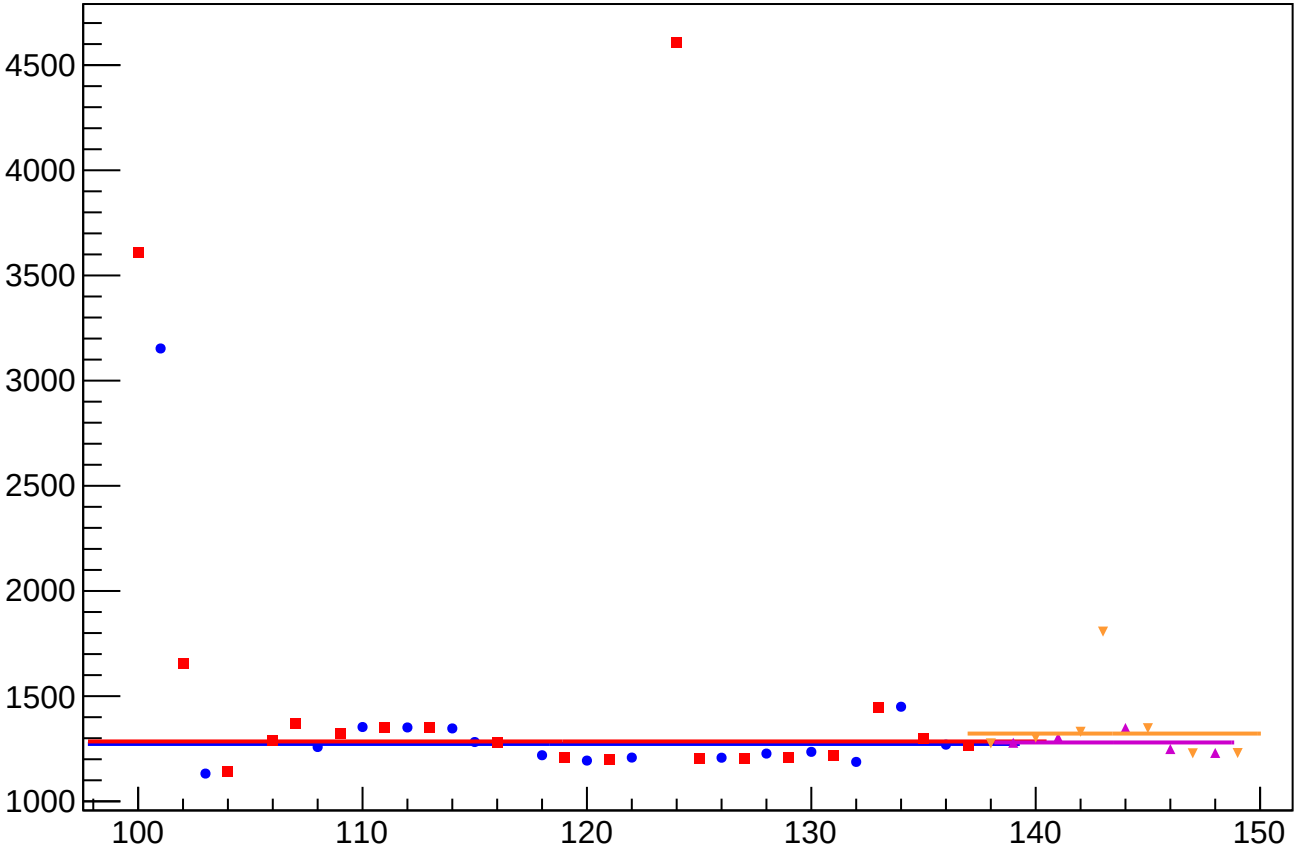
Left In: 373.407+/-612.184 χ^2/NDF:3.7/4

+ sign 98.679+/-369.587 χ^2/NDF: 33.4/22

All: 255.444+/-264.392 χ^2/NDF: 54.3/46

- 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: 1322.091+/-0.407 χ^2/NDF:139711.0/6

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

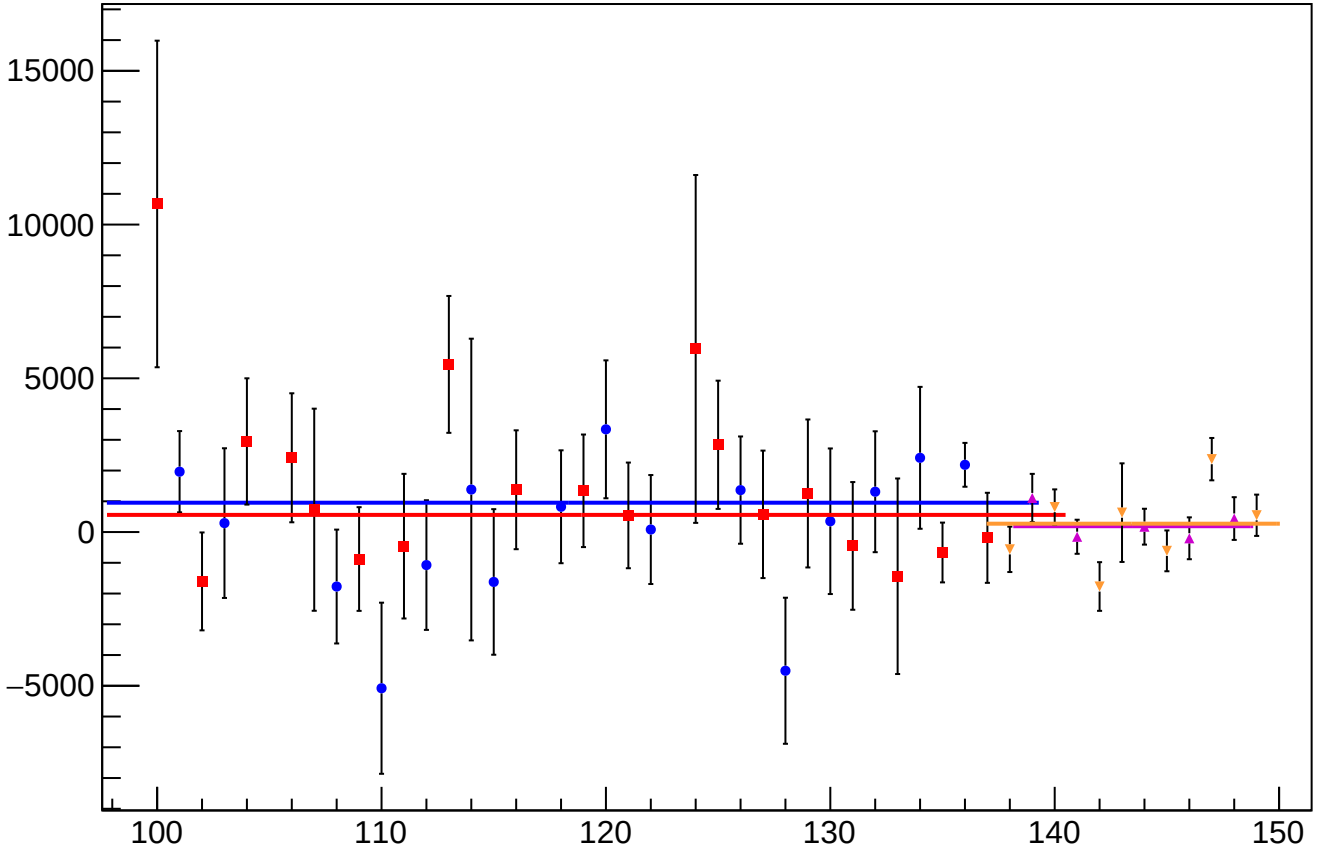
Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

+ sign 1293.165+/-0.261 χ^2/NDF: 667634.1/22

All: 1288.107+/-0.187 χ^2/NDF: 1006344.9/46

- sign 1282.806+/-0.268 χ^2/NDF: 337943.7/23

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 271.653+/-272.936 χ^2/NDF:20.1/6

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

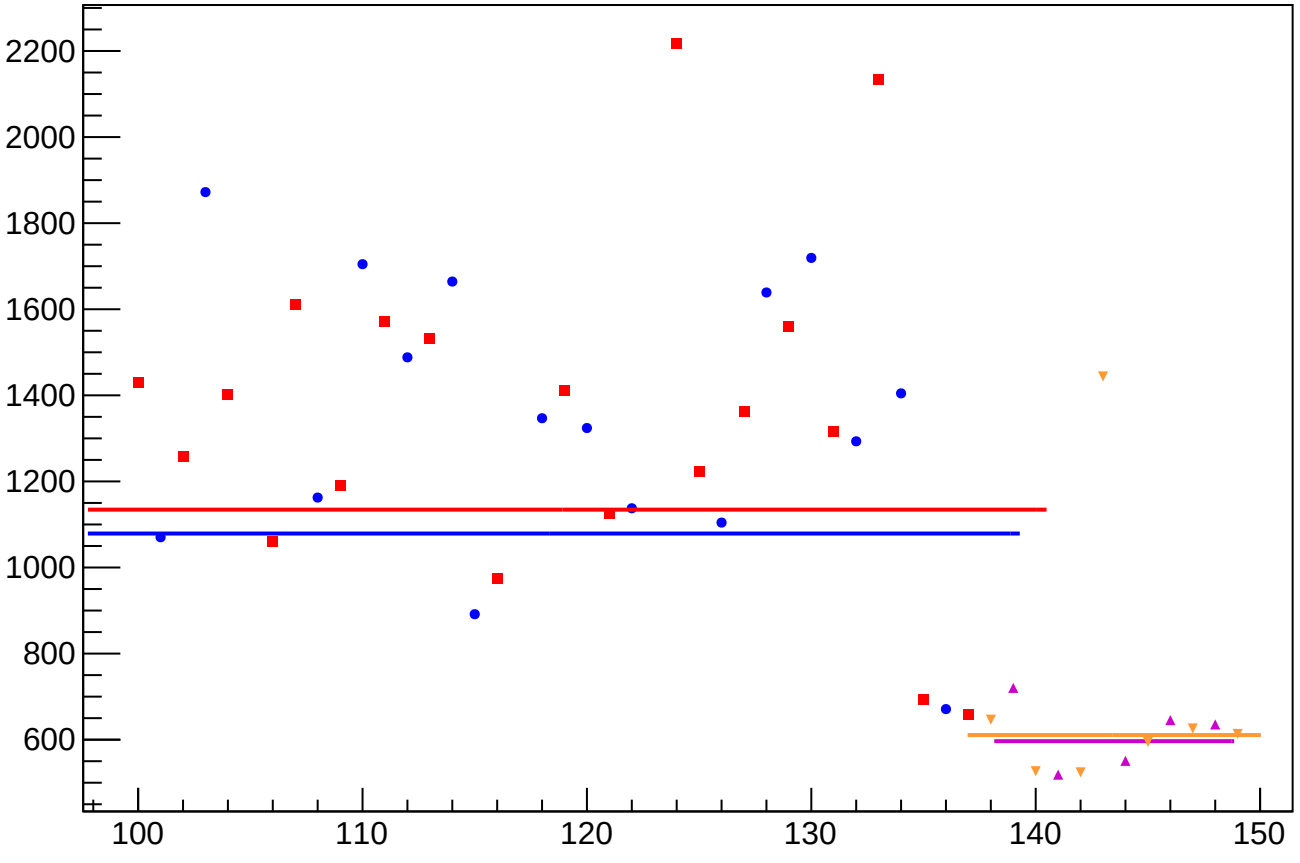
Left In: 189.837+/-288.018 χ^2/NDF:2.2/4

\+ sign 470.501+/-229.760 χ^2/NDF: 41.8/22

All: 389.349+/-166.331 χ^2/NDF: 63.1/46

\- 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: 610.741+/-0.193 χ^2/NDF:613184.3/6

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

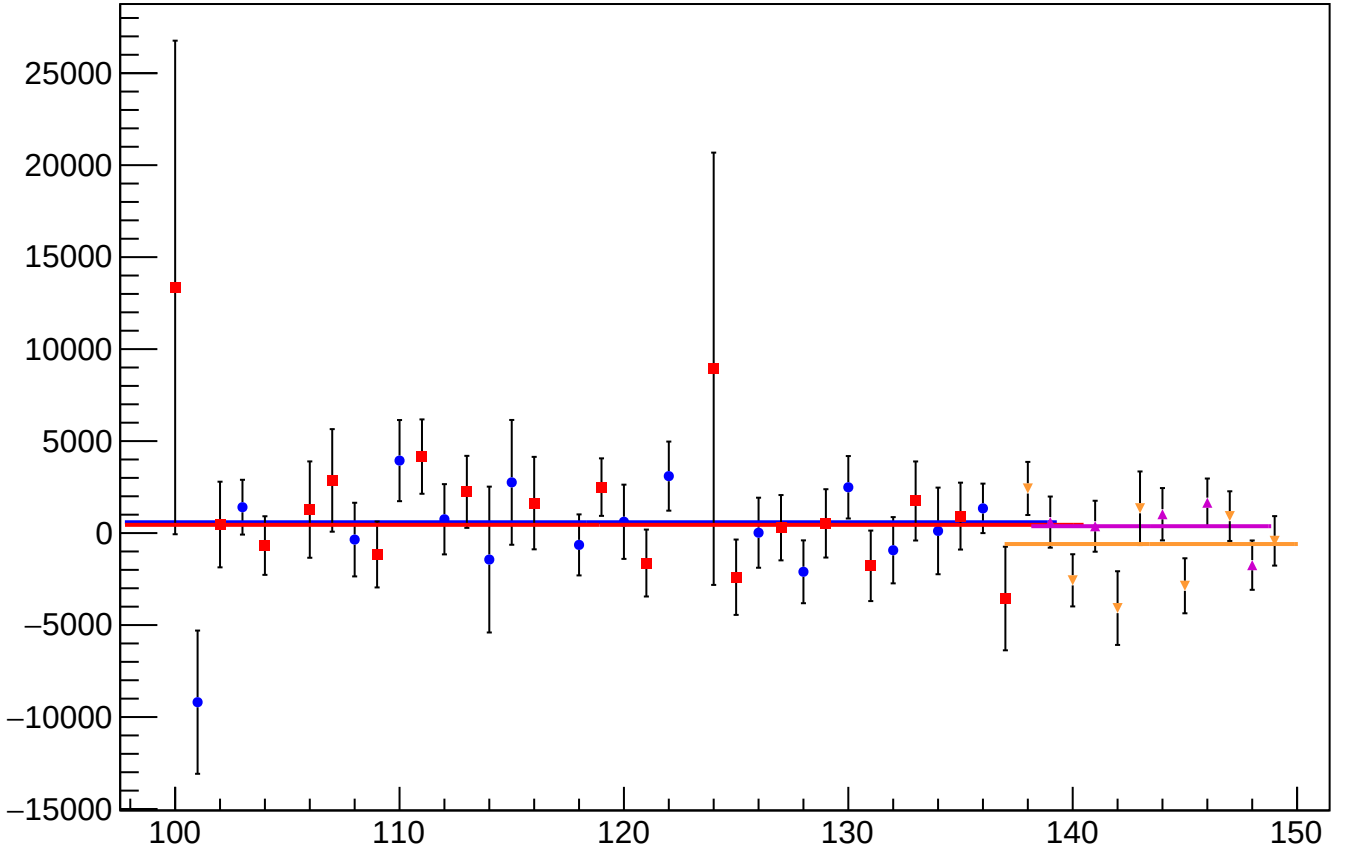
Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

\+ sign 747.151+/-0.162 χ^2/NDF: 3806559.3/22

All: 752.078+/-0.118 χ^2/NDF: 7302736.6/46

\- 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: -595.426+/-575.022 χ^2/NDF:13.9/6

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

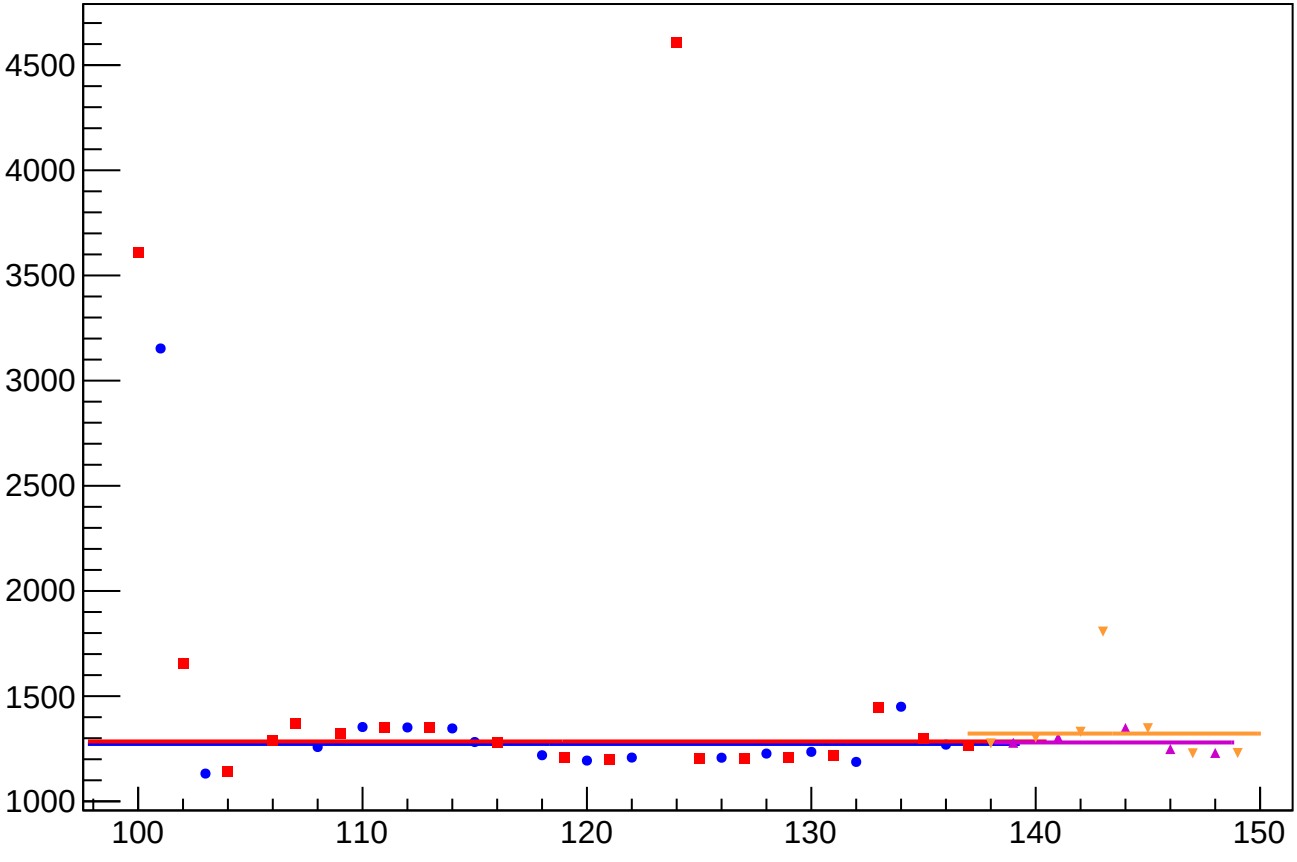
Left In: 373.407+/-612.184 χ^2/NDF:3.7/4

+ sign 98.679+/-369.587 χ^2/NDF: 33.4/22

All: 255.444+/-264.392 χ^2/NDF: 54.3/46

- 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: 1322.091+/-0.407 χ^2/NDF:139711.0/6

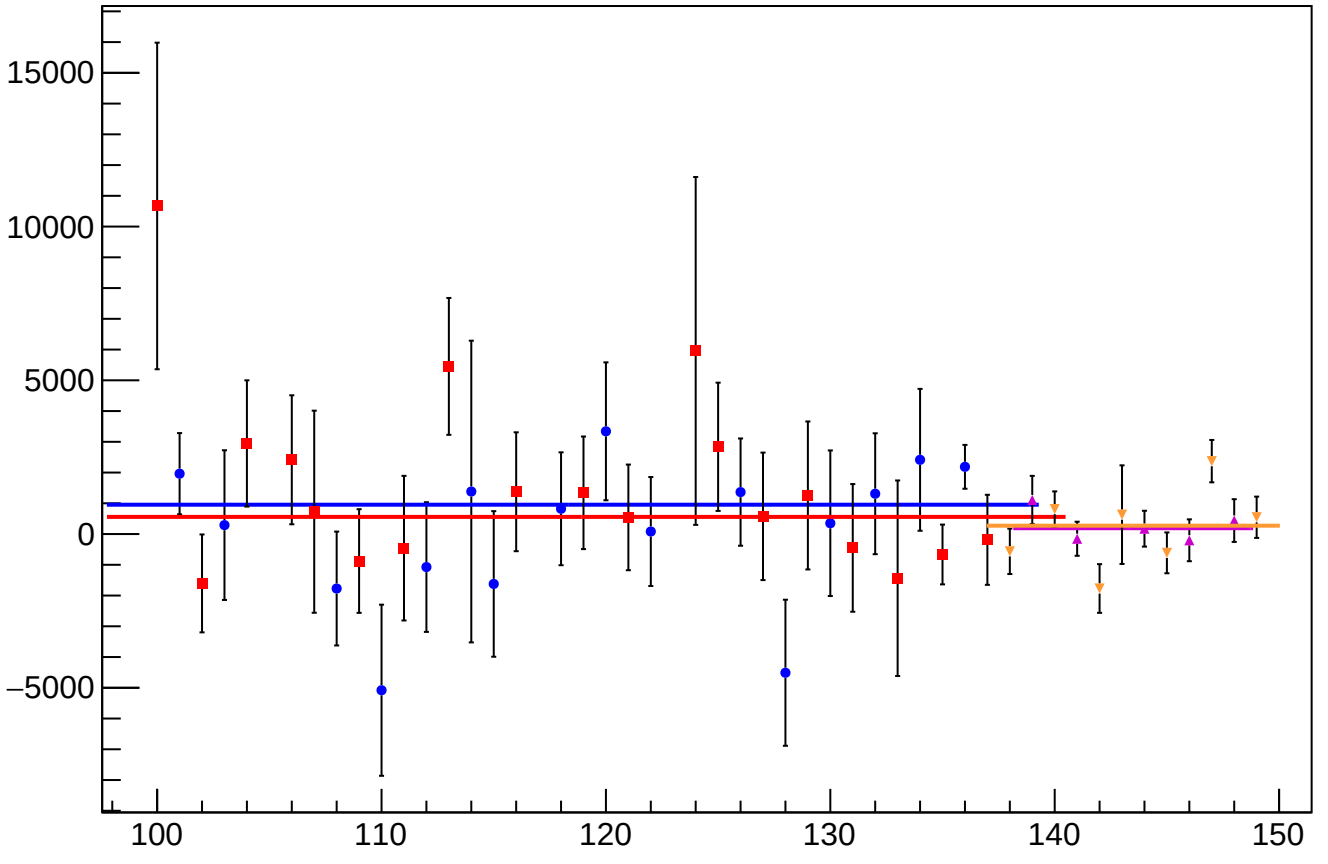
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

+ sign 1293.165+/-0.261 χ^2/NDF: 667634.1/22

All: 1288.107+/-0.187 χ^2/NDF: 1006344.9/46

- 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: 271.653+/-272.936 χ^2/NDF:20.1/6

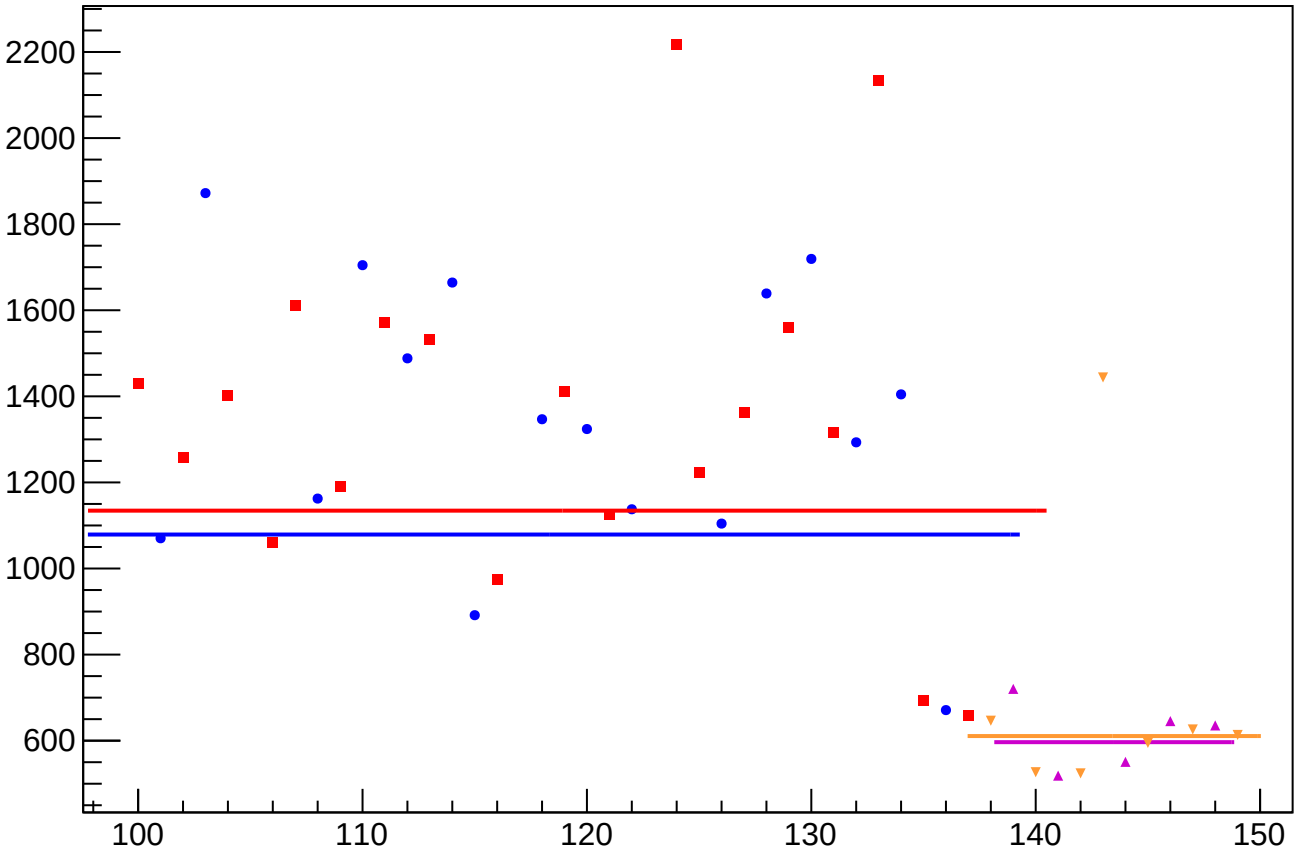
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 189.837+/-288.018 χ^2/NDF:2.2/4

\+ sign 470.501+/-229.760 χ^2/NDF: 41.8/22

All: 389.349+/-166.331 χ^2/NDF: 63.1/46

\- 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: 610.741+/-0.193 χ^2/NDF:613184.3/6

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

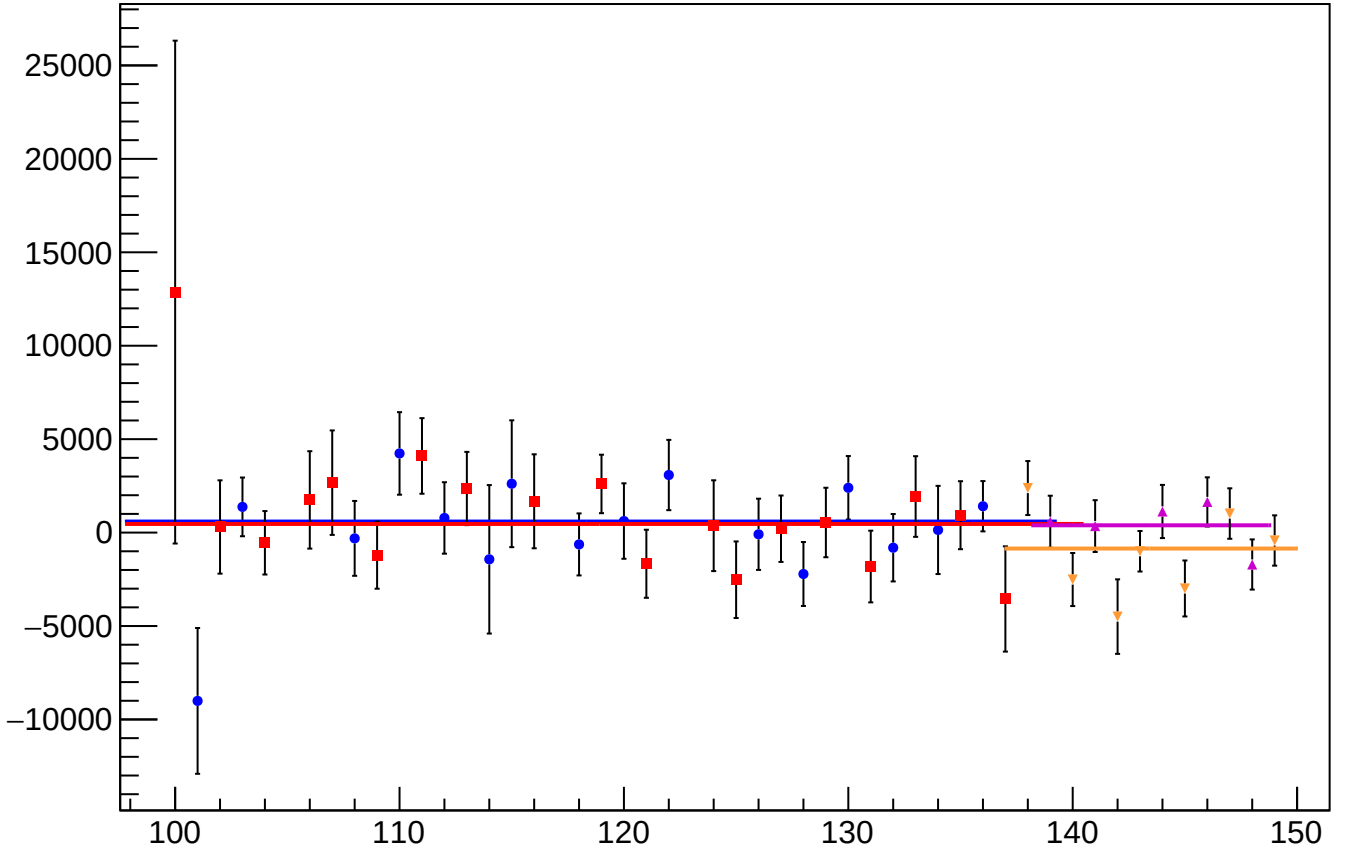
Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

\+ sign 747.151+/-0.162 χ^2/NDF: 3806559.3/22

All: 752.078+/-0.118 χ^2/NDF: 7302736.6/46

\- 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: -853.275+/-525.291 χ^2/NDF:13.8/6

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

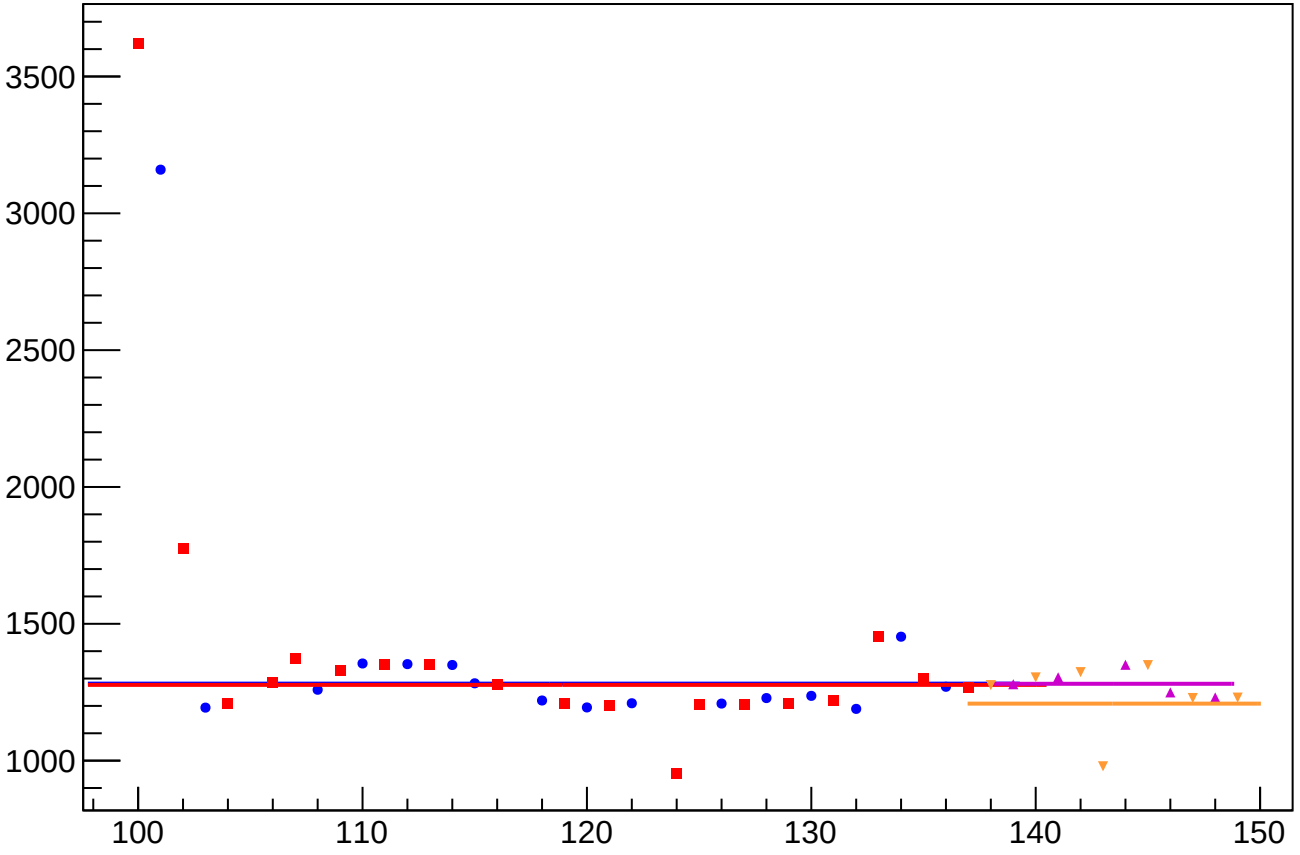
Left In: 390.717+/-612.675 χ^2/NDF:3.6/4

+ sign -74.710+/-356.532 χ^2/NDF: 35.0/22

All: 166.652+/-258.806 χ^2/NDF: 56.3/46

- 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: 1208.314+/-0.371 χ^2/NDF:128094.1/6

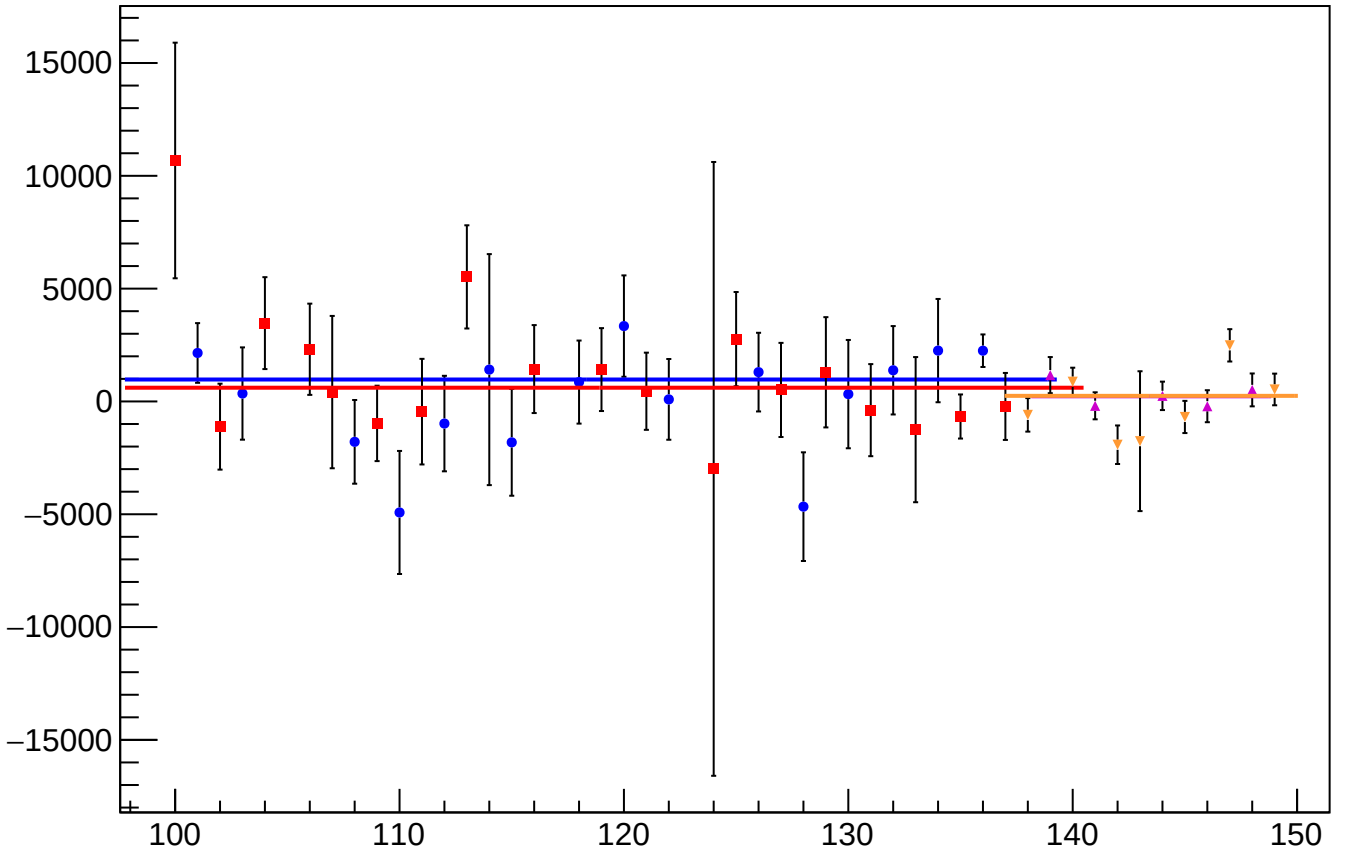
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

+ sign 1247.714+/-0.252 χ^2/NDF: 656035.5/22

All: 1262.211+/-0.183 χ^2/NDF: 892842.7/46

- 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: 247.934+/-290.815 χ^2/NDF:20.8/6

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

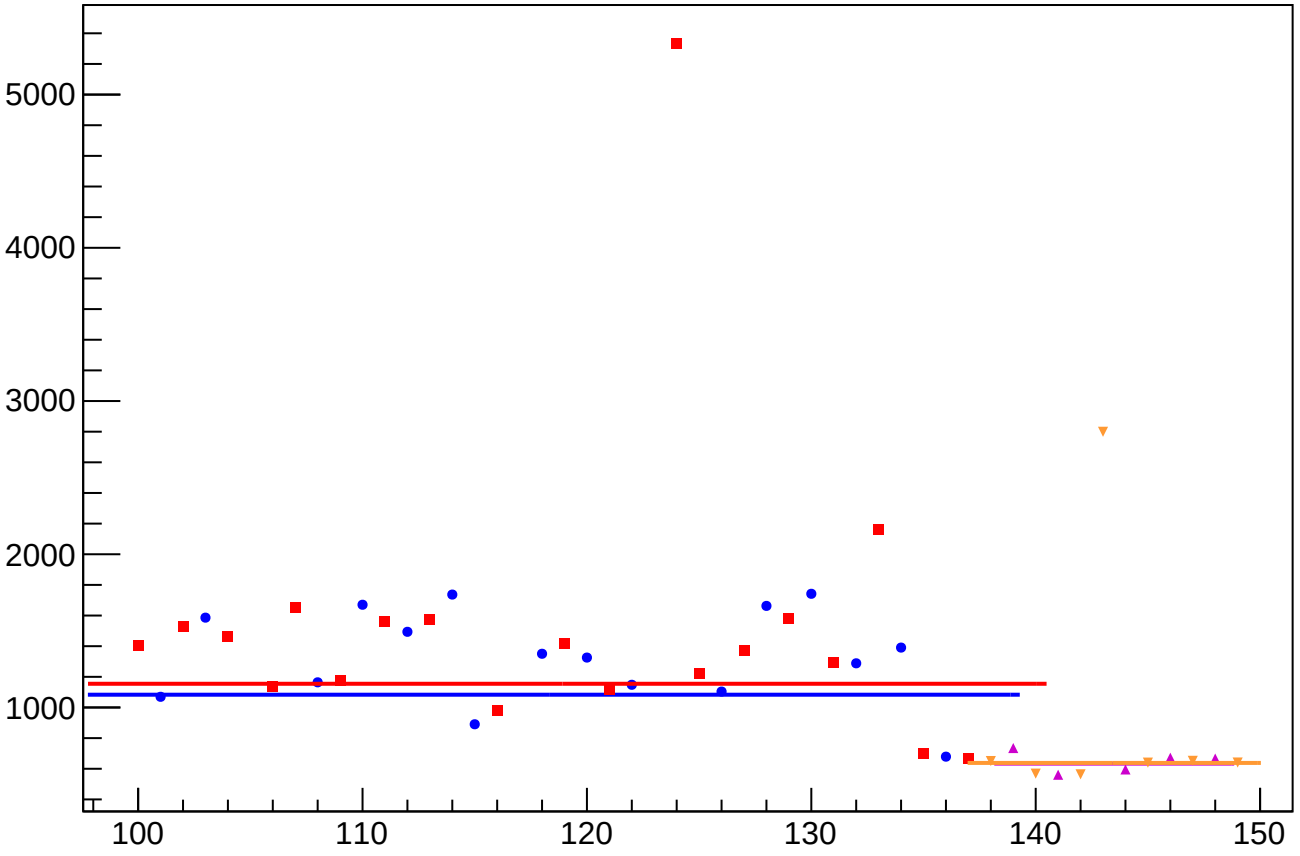
Left In: 227.704+/-305.096 χ^2/NDF:2.4/4

+ sign 478.772+/-240.044 χ^2/NDF: 43.2/22

All: 416.799+/-173.851 χ^2/NDF: 63.4/46

- 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: 638.123+/-0.206 χ^2/NDF:1014470.1/6

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

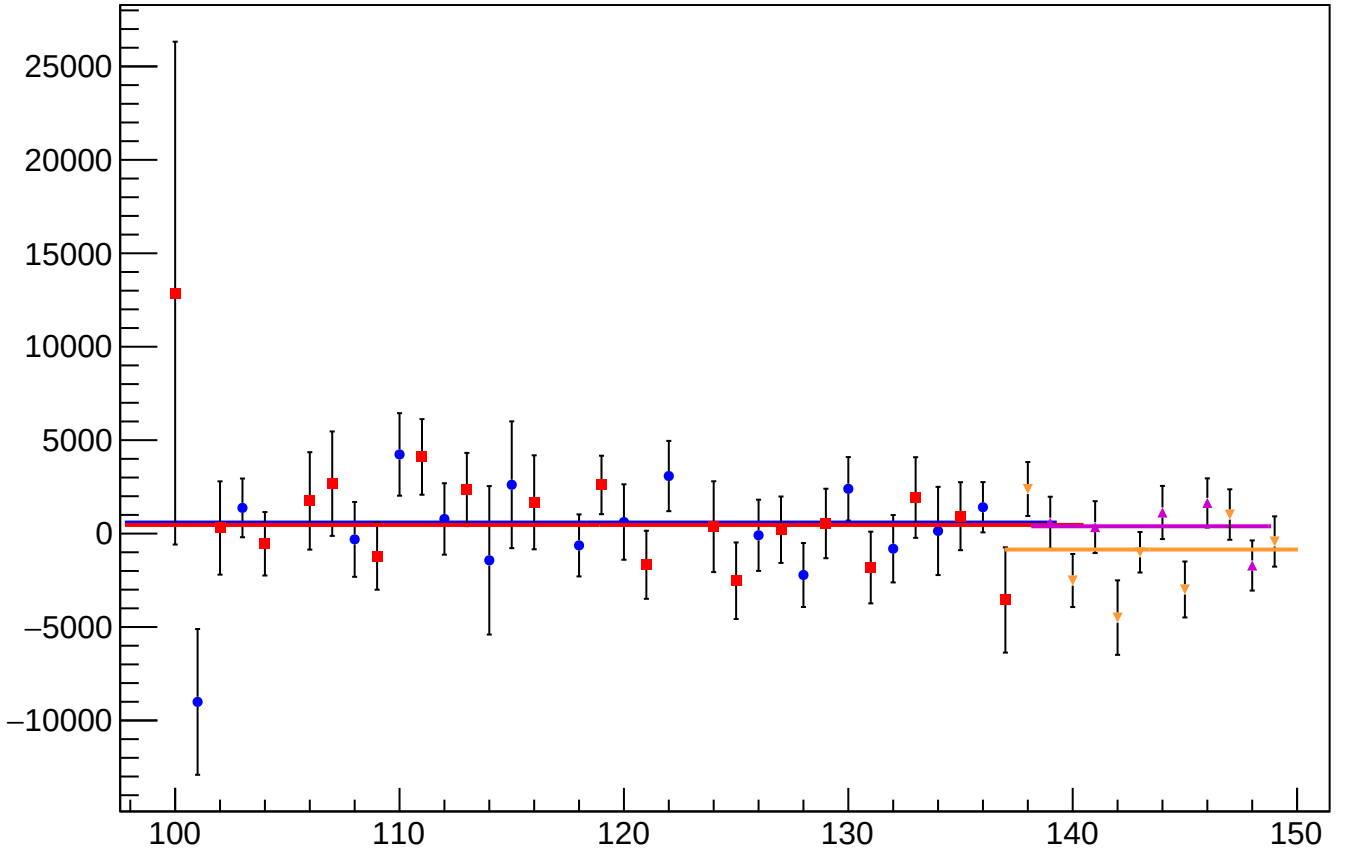
Left In: 633.559+/-0.216 χ^2/NDF:78993.3/4

+ sign 780.004+/-0.170 χ^2/NDF: 3868410.4/22

All: 788.950+/-0.123 χ^2/NDF: 7292094.7/46

- 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: -853.275+/-525.291 χ^2/NDF:13.8/6

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

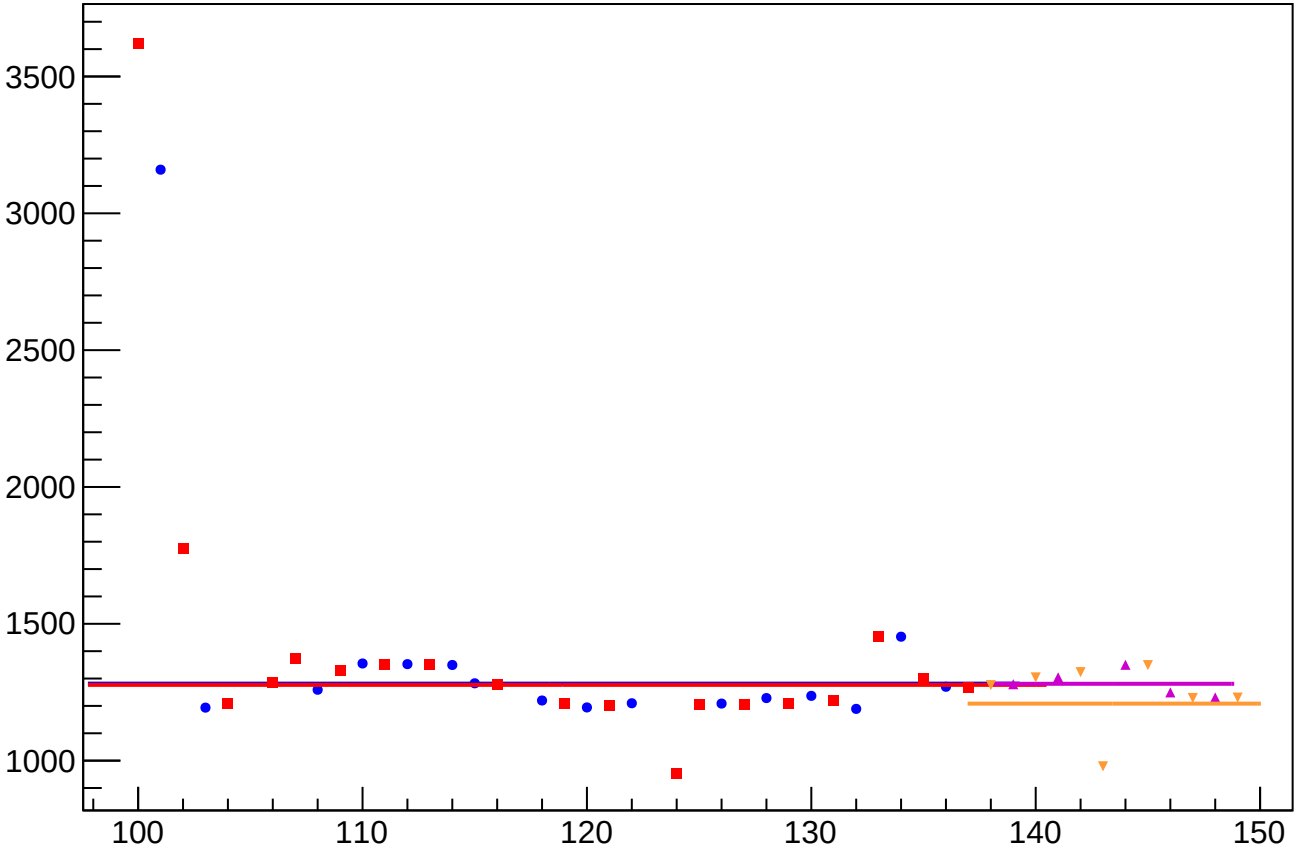
Left In: 390.721+/-612.675 χ^2/NDF:3.6/4

\+ sign -74.709+/-356.532 χ^2/NDF: 35.0/22

All: 166.653+/-258.806 χ^2/NDF: 56.3/46

\- 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: 1208.314+/-0.371 χ^2/NDF:128093.5/6

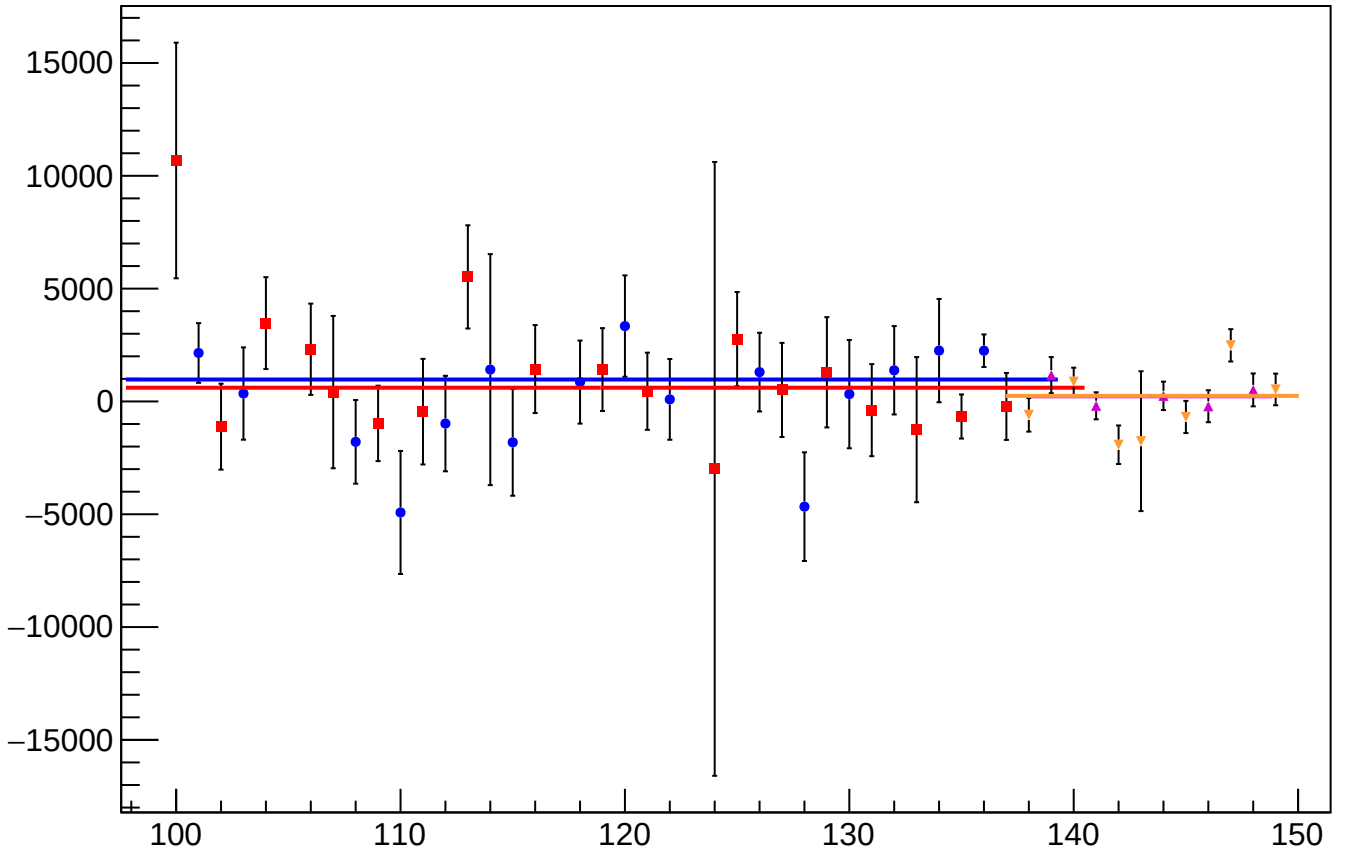
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

+ sign 1247.714+/-0.252 χ^2/NDF: 656034.8/22

All: 1262.211+/-0.183 χ^2/NDF: 892841.8/46

- 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: 247.937+/-290.815 χ^2/NDF:20.8/6

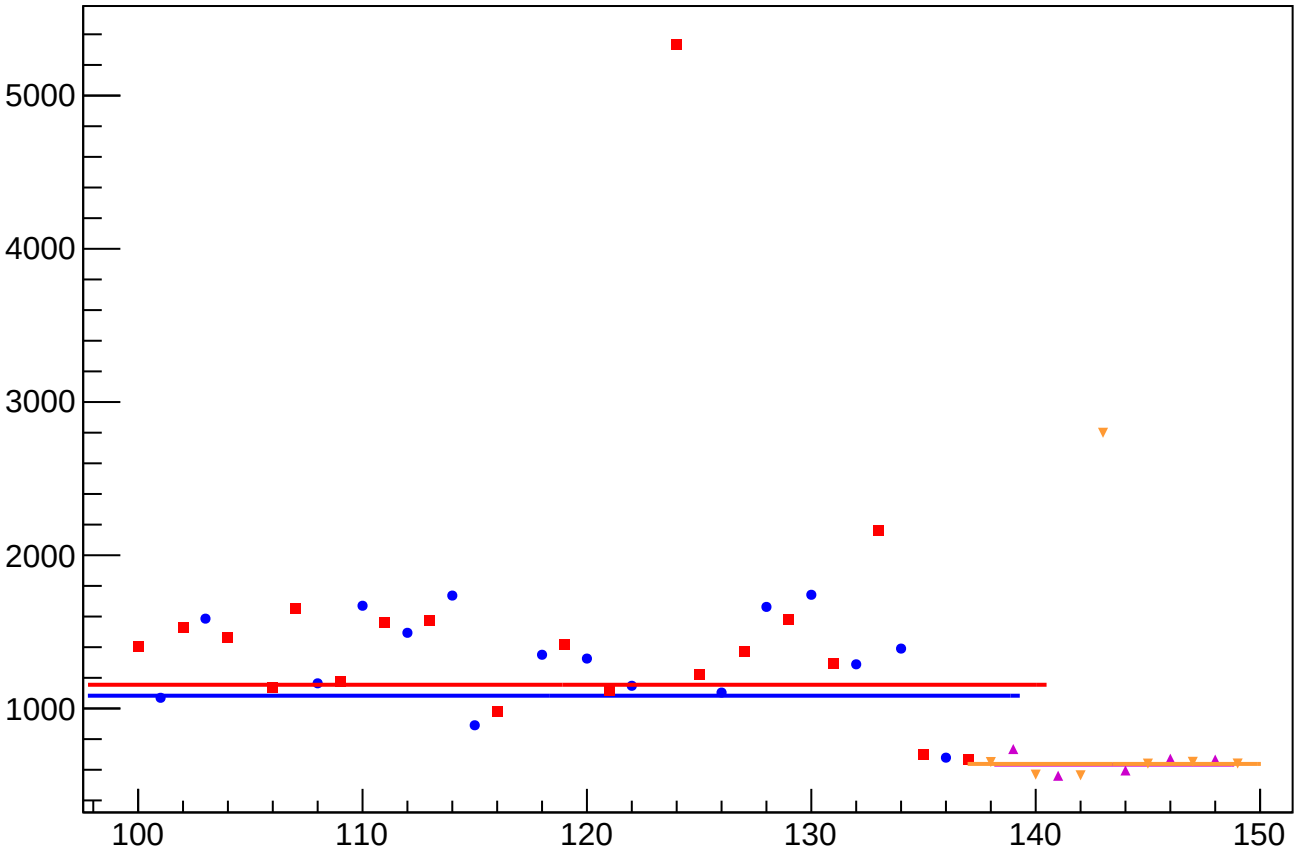
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 227.703+/-305.096 χ^2/NDF:2.4/4

\+ sign 478.772+/-240.045 χ^2/NDF: 43.2/22

All: 416.800+/-173.851 χ^2/NDF: 63.4/46

\- 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: 638.125+/-0.206 χ^2/NDF:1014468.0/6

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

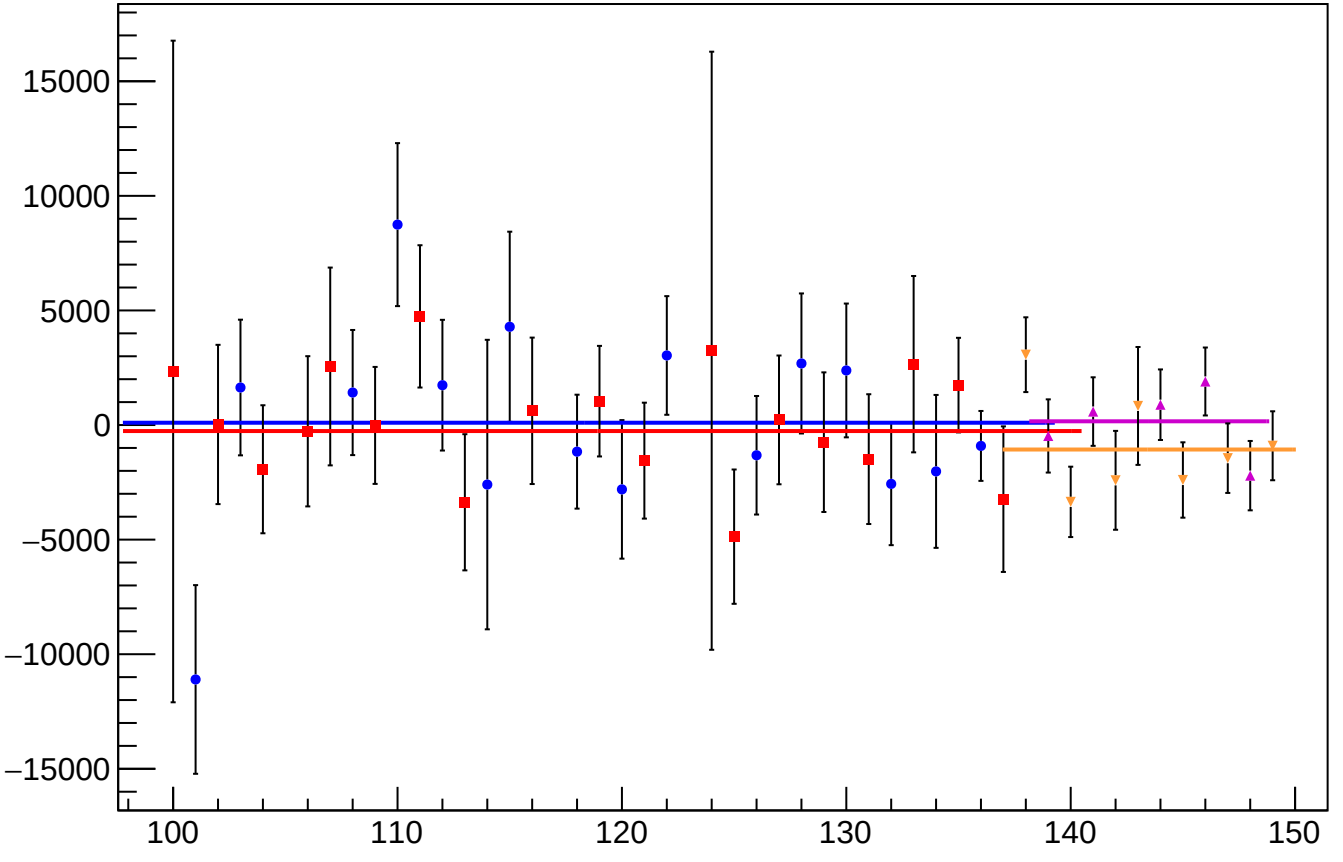
Left In: 633.559+/-0.216 χ^2/NDF:78995.9/4

+ sign 780.007+/-0.170 χ^2/NDF: 3868369.3/22

All: 788.952+/-0.123 χ^2/NDF: 7292045.0/46

- 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: -1068.414+/-643.809 χ^2/NDF:10.3/6

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

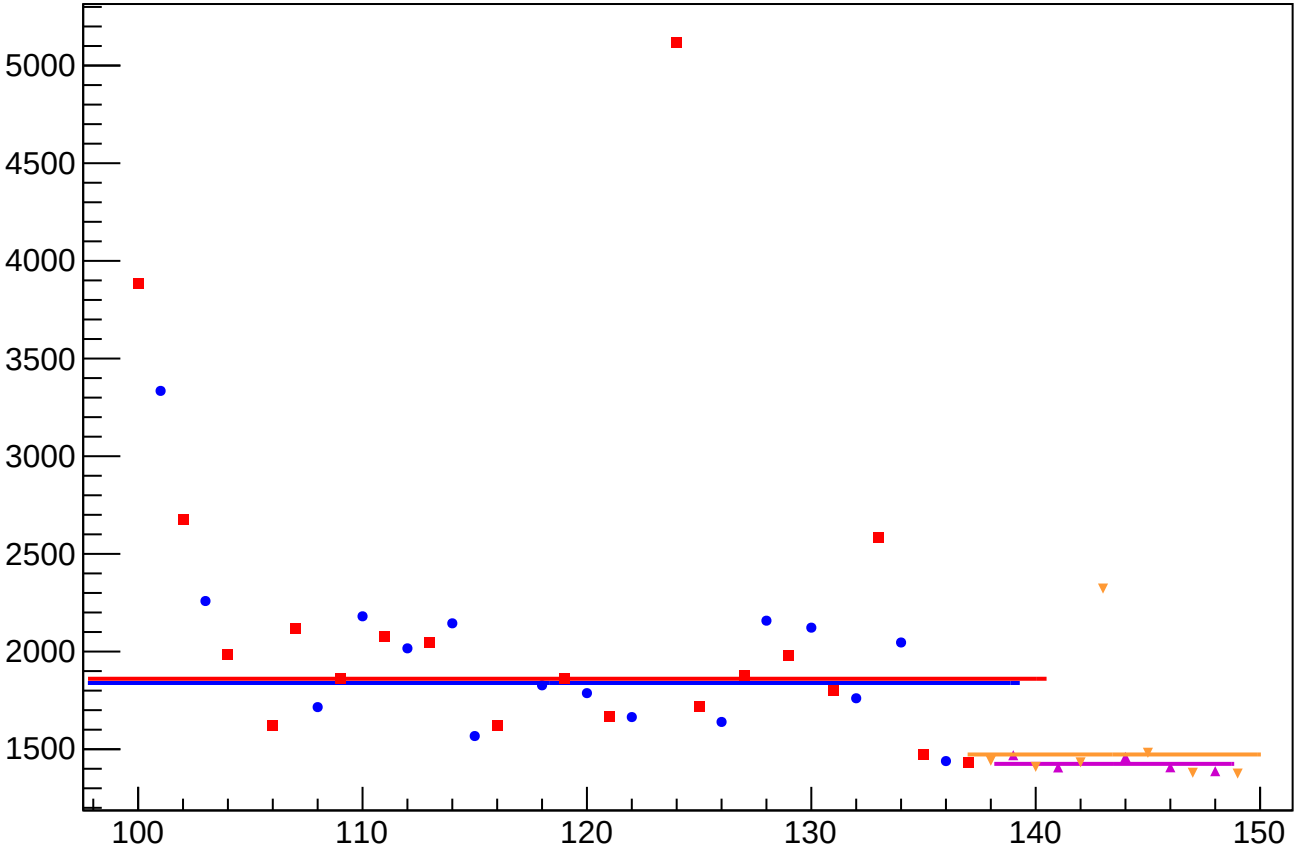
Left In: 162.584+/-681.529 χ^2/NDF:4.3/4

+ sign -531.928+/-473.547 χ^2/NDF: 33.1/22

All: -295.635+/-339.917 χ^2/NDF: 48.4/46

- 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: 1473.121+/-0.455 χ^2/NDF:239086.8/6

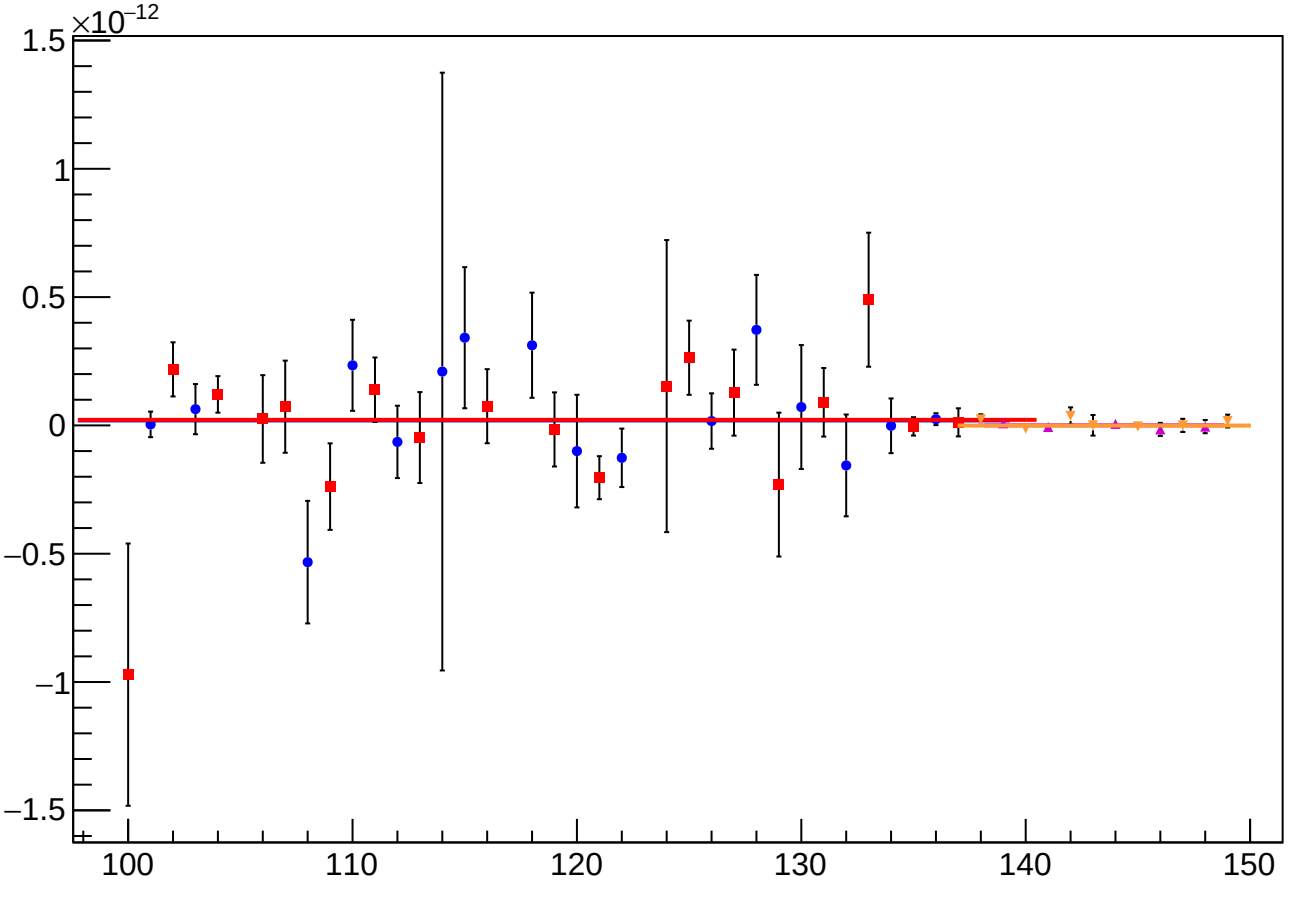
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1425.036+/-0.482 χ^2/NDF:4393.4/4

+ sign 1641.104+/-0.335 χ^2/NDF: 1092469.4/22

All: 1639.192+/-0.240 χ^2/NDF: 2017017.4/46

- 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:4.5/6

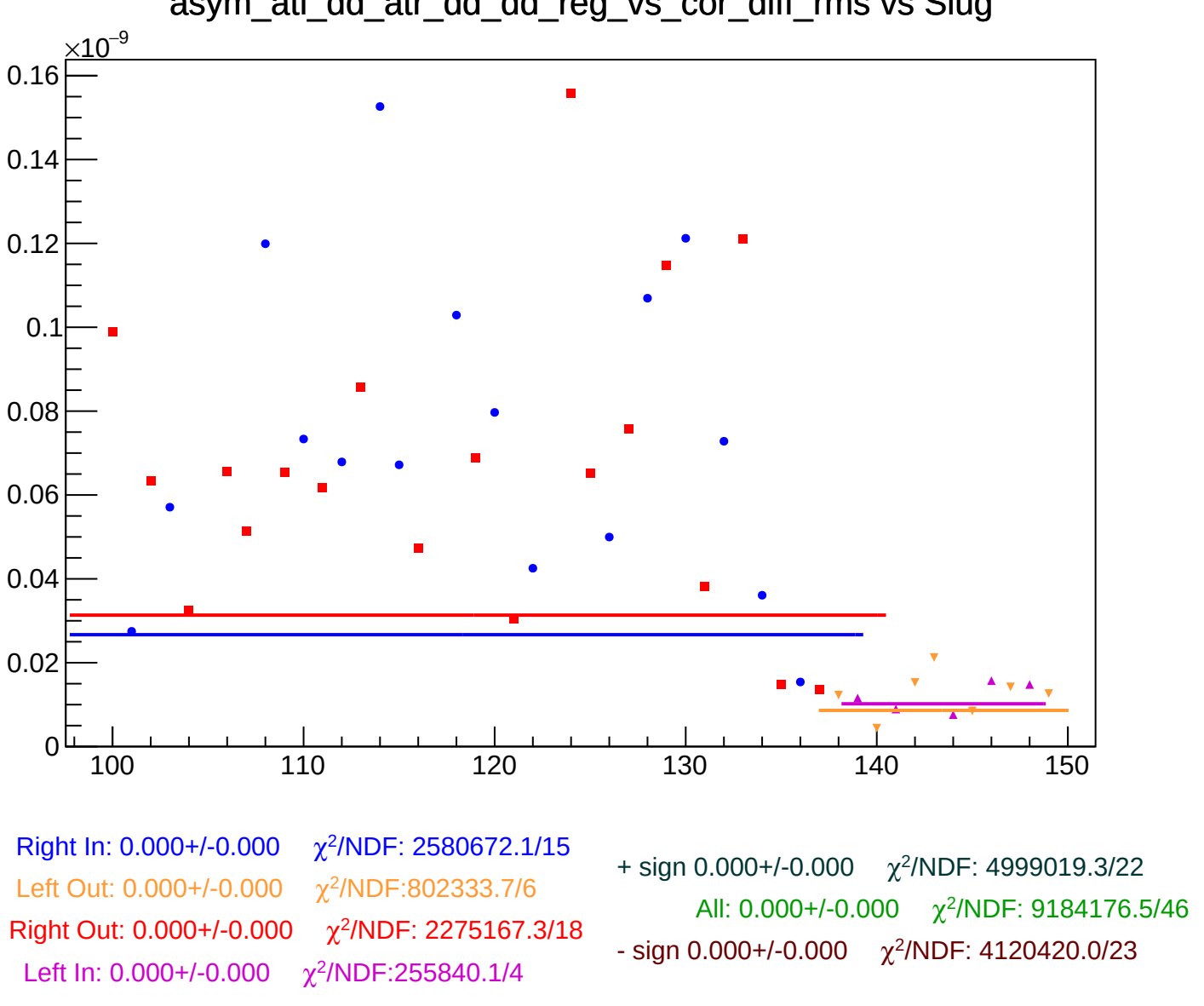
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

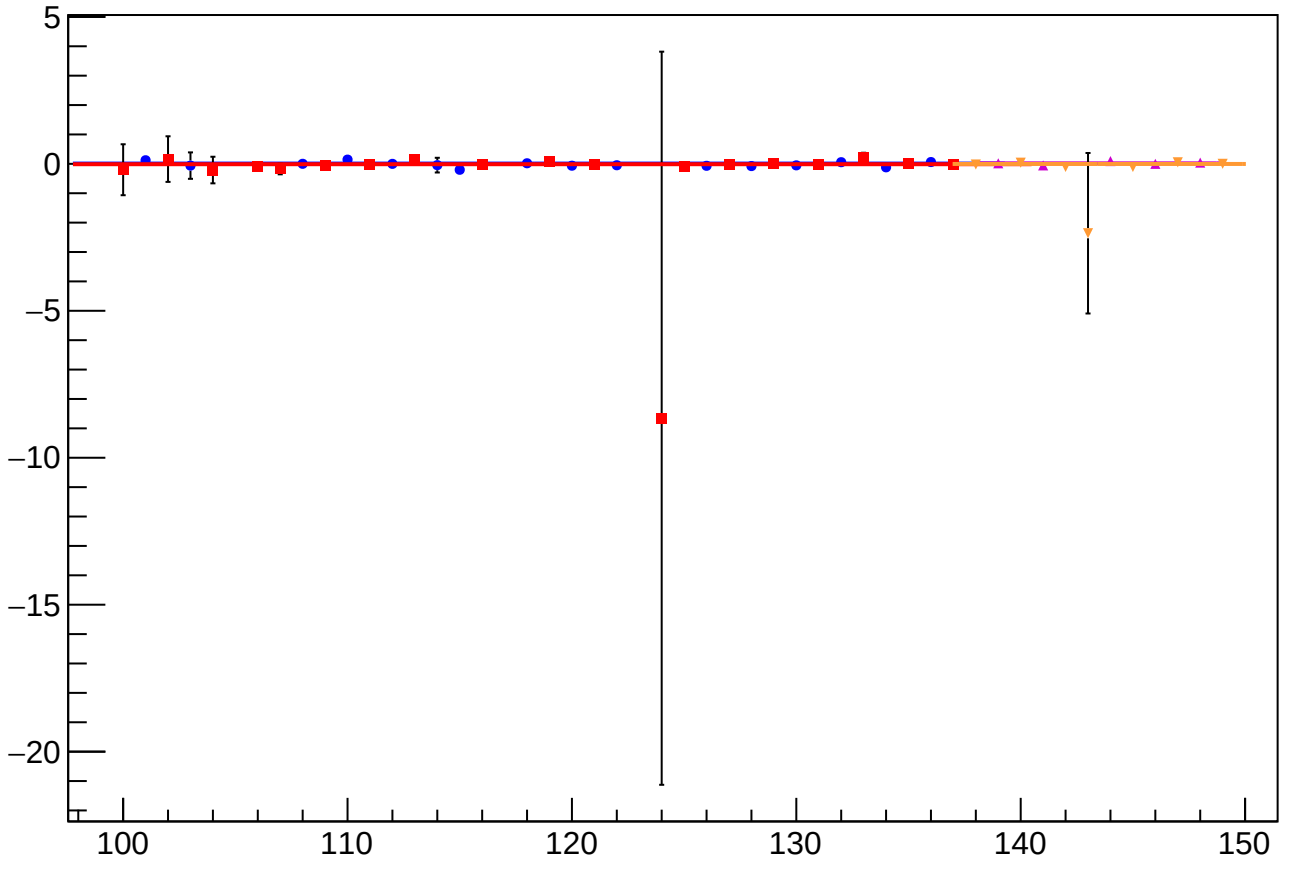
Left In: 0.000+/-0.000 χ^2/NDF:0.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 22.0/22

All: 0.000+/-0.000 χ^2/NDF: 51.9/46

- sign 0.000+/-0.000 χ^2/NDF: 29.9/23


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:802333.7/6
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: 4999019.3/22
All: 0.000+/-0.000 χ²/NDF: 9184176.5/46
- sign 0.000+/-0.000 χ²/NDF: 4120420.0/23



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.004+/-0.017 χ^2/NDF:8.8/6

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

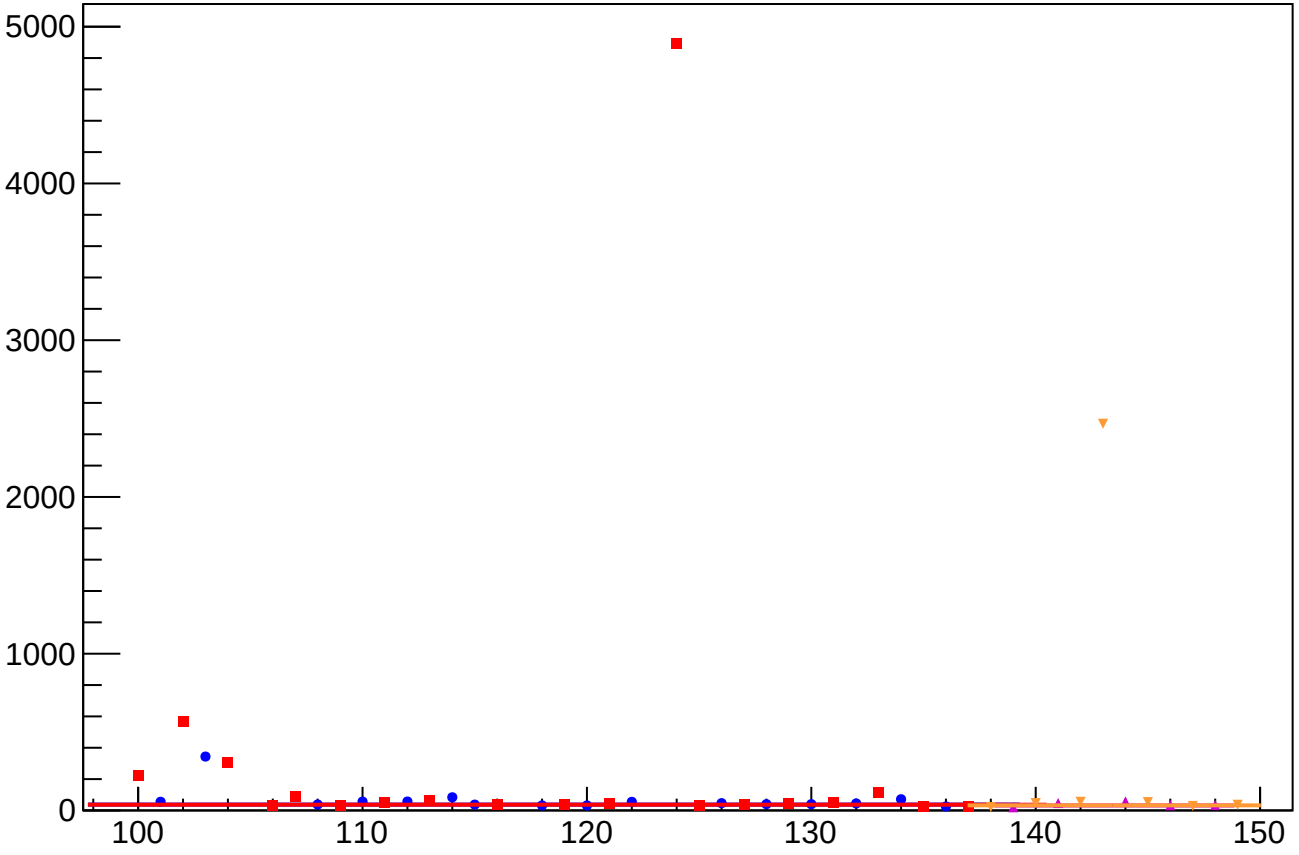
Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/22

All: 0.002+/-0.008 χ^2/NDF: 46.3/46

- 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: 32.526+/-0.012 χ^2/NDF:2412295.8/6

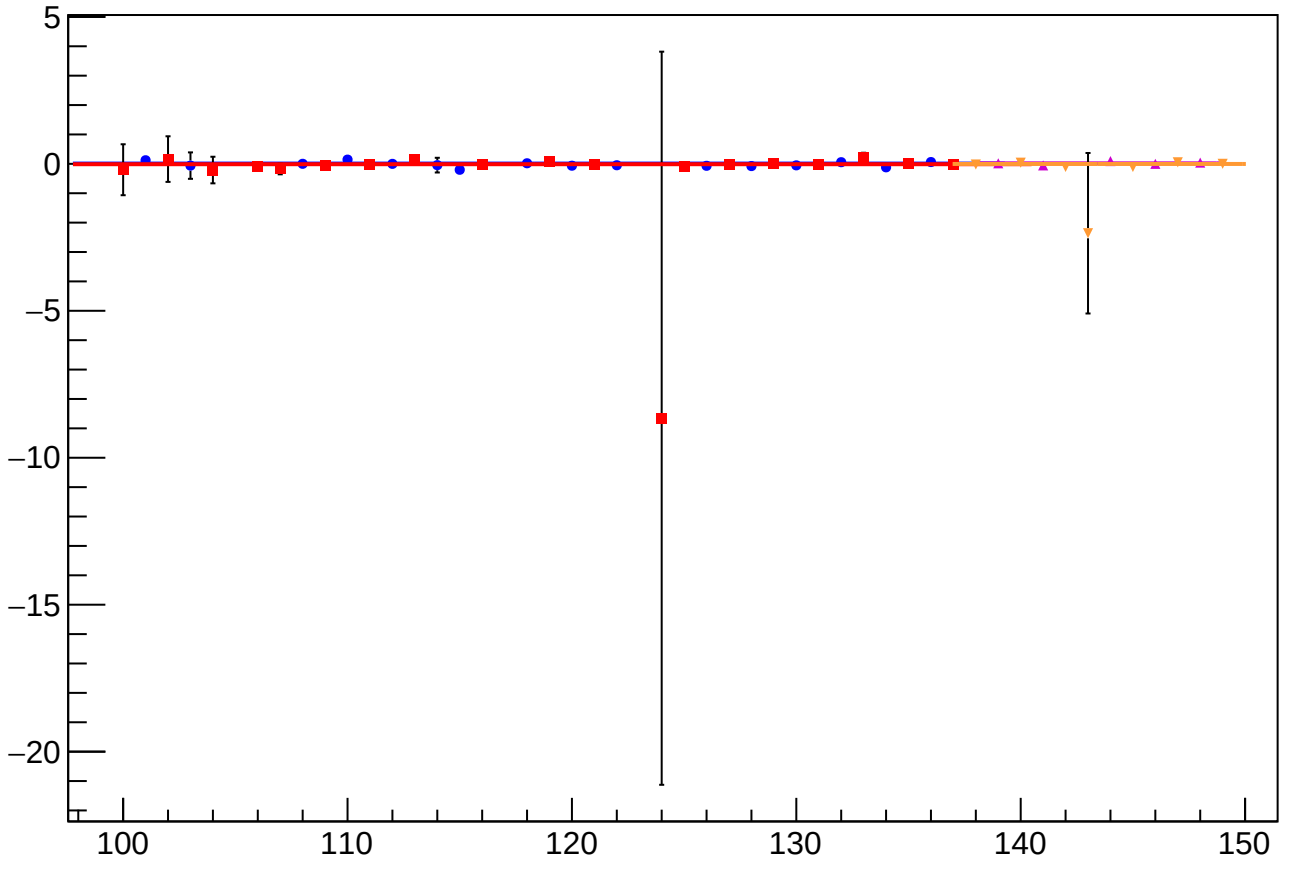
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

+ sign 35.173+/-0.008 χ^2/NDF: 4484782.8/22

All: 34.804+/-0.006 χ^2/NDF: 8648970.3/46

- 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: -0.004+/-0.017 χ^2/NDF:8.8/6

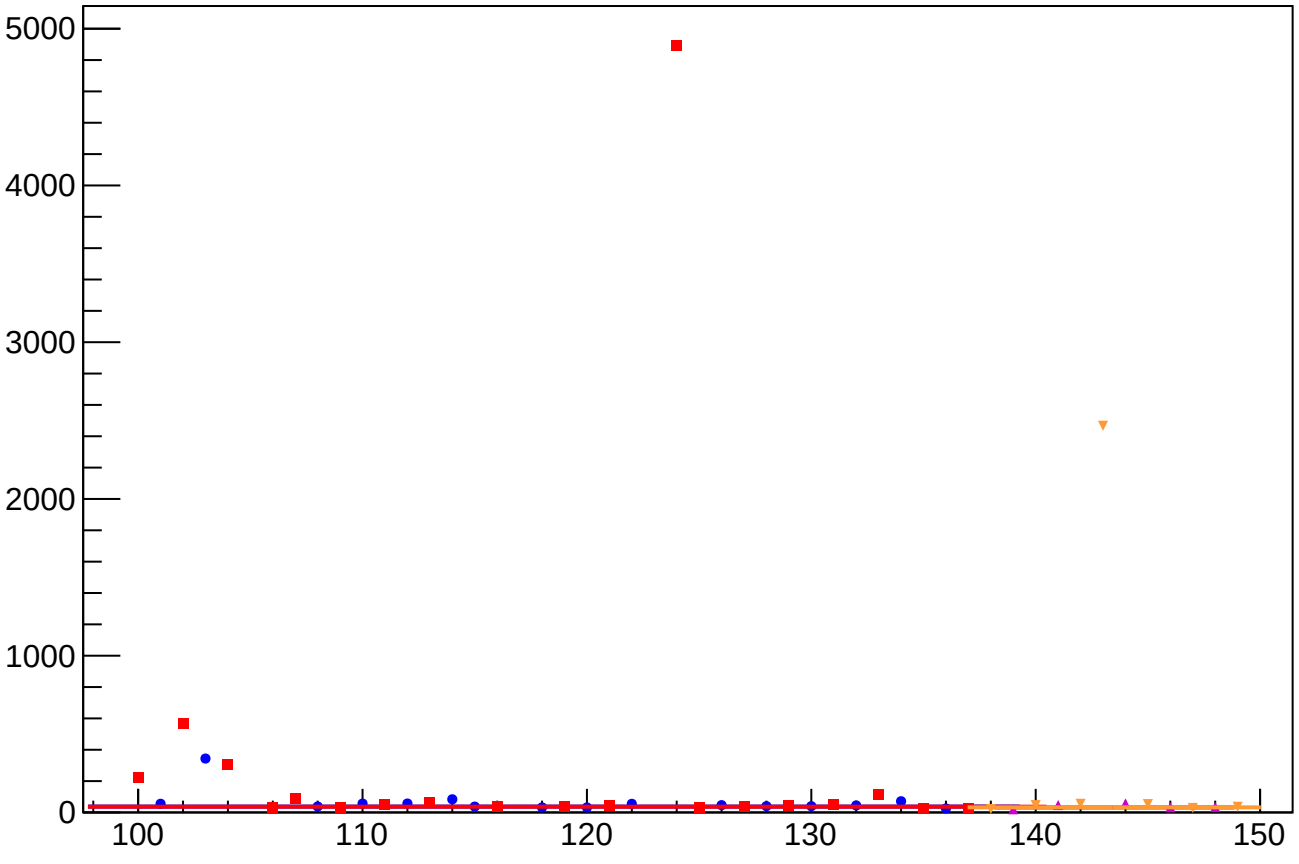
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/22

All: 0.002+/-0.008 χ^2/NDF: 46.3/46

- 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: 32.526+/-0.012 χ^2/NDF:2412295.8/6

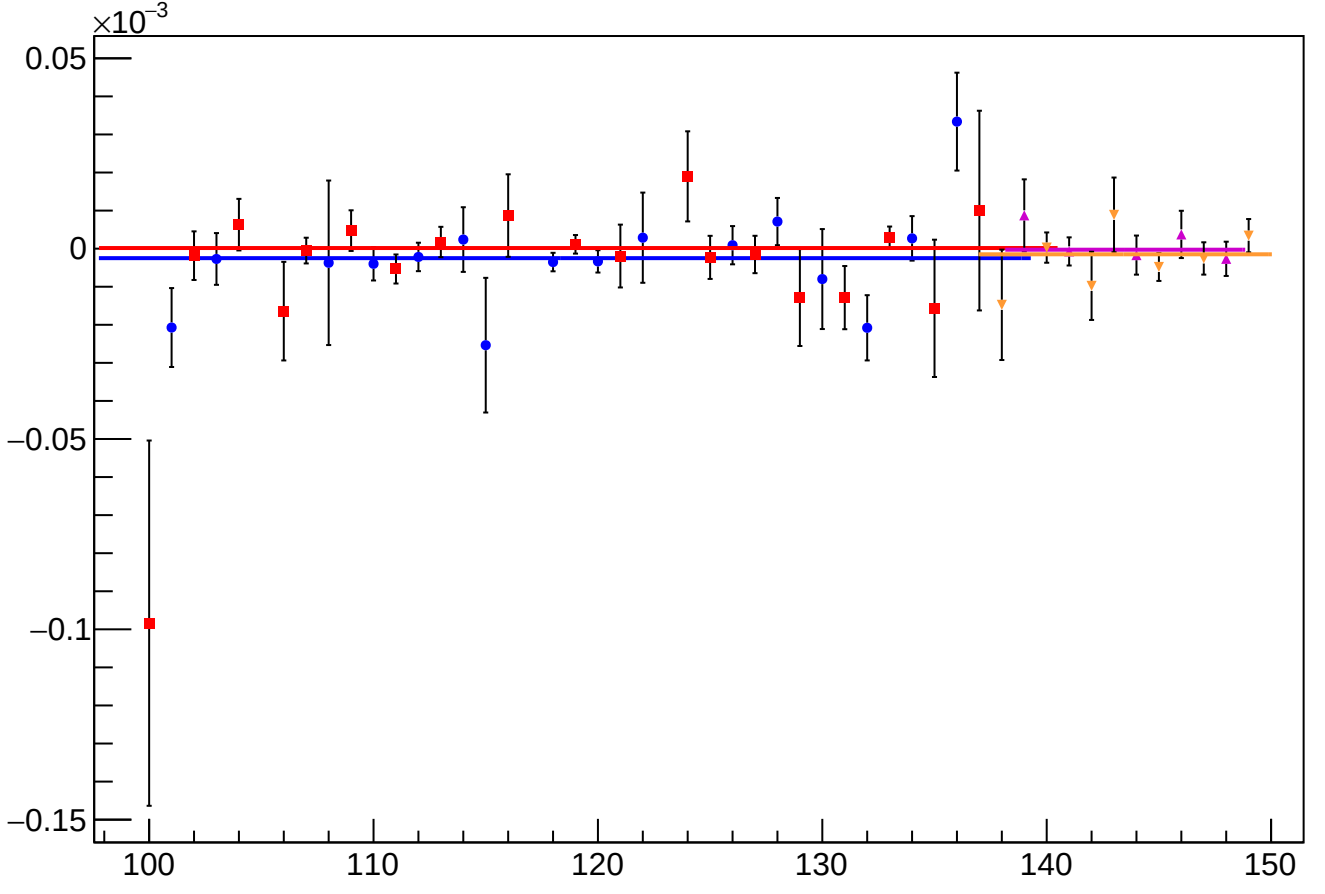
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

+ sign 35.173+/-0.008 χ^2/NDF: 4484782.8/22

All: 34.804+/-0.006 χ^2/NDF: 8648970.3/46

- 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:5.1/6

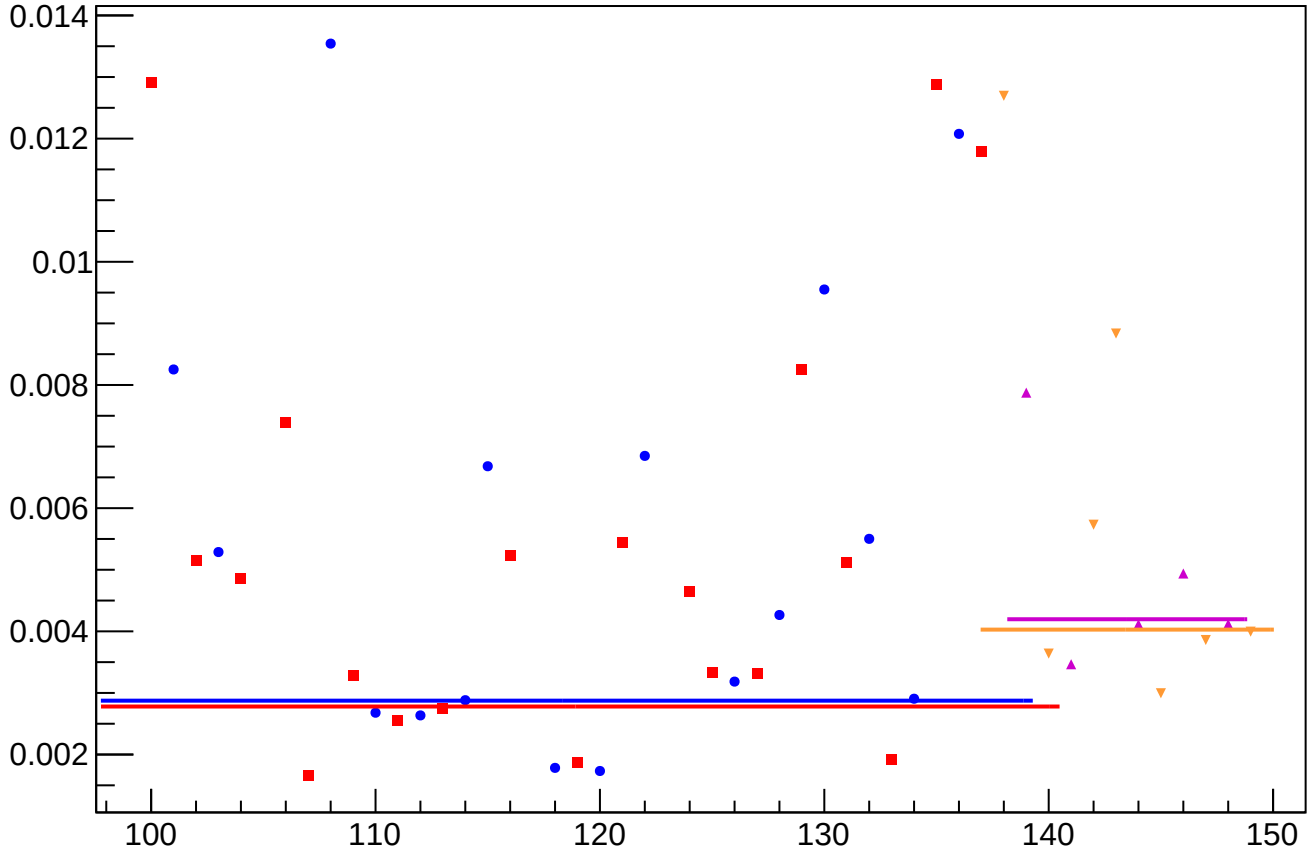
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 27.2/22

All: -0.000+/-0.000 χ^2/NDF: 50.0/46

- 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:1449222.5/6

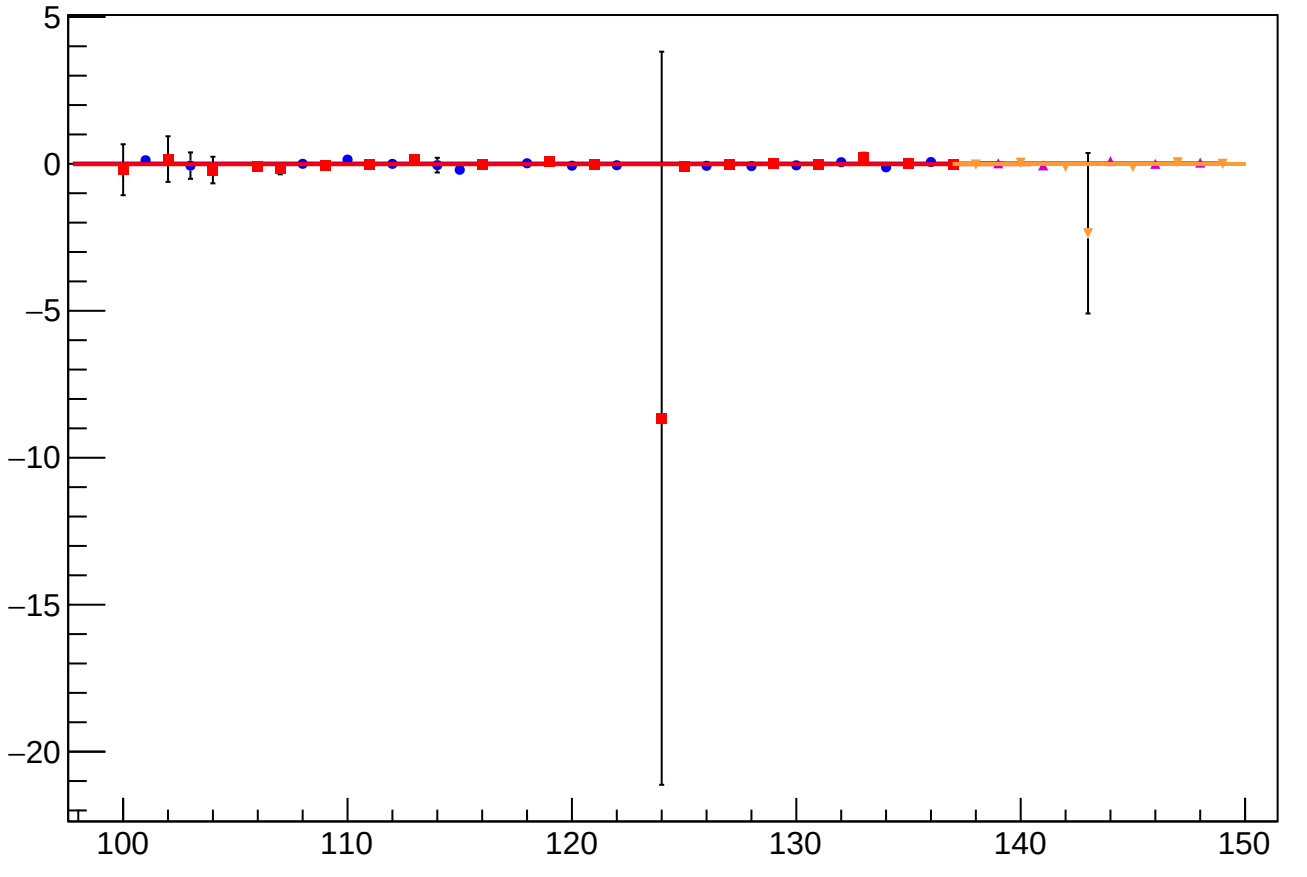
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:410575.2/4

+ sign 0.003+/-0.000 χ^2/NDF: 6097108.4/22

All: 0.003+/-0.000 χ^2/NDF: 10465140.2/46

- 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: -0.004+/-0.017 χ^2/NDF:8.8/6

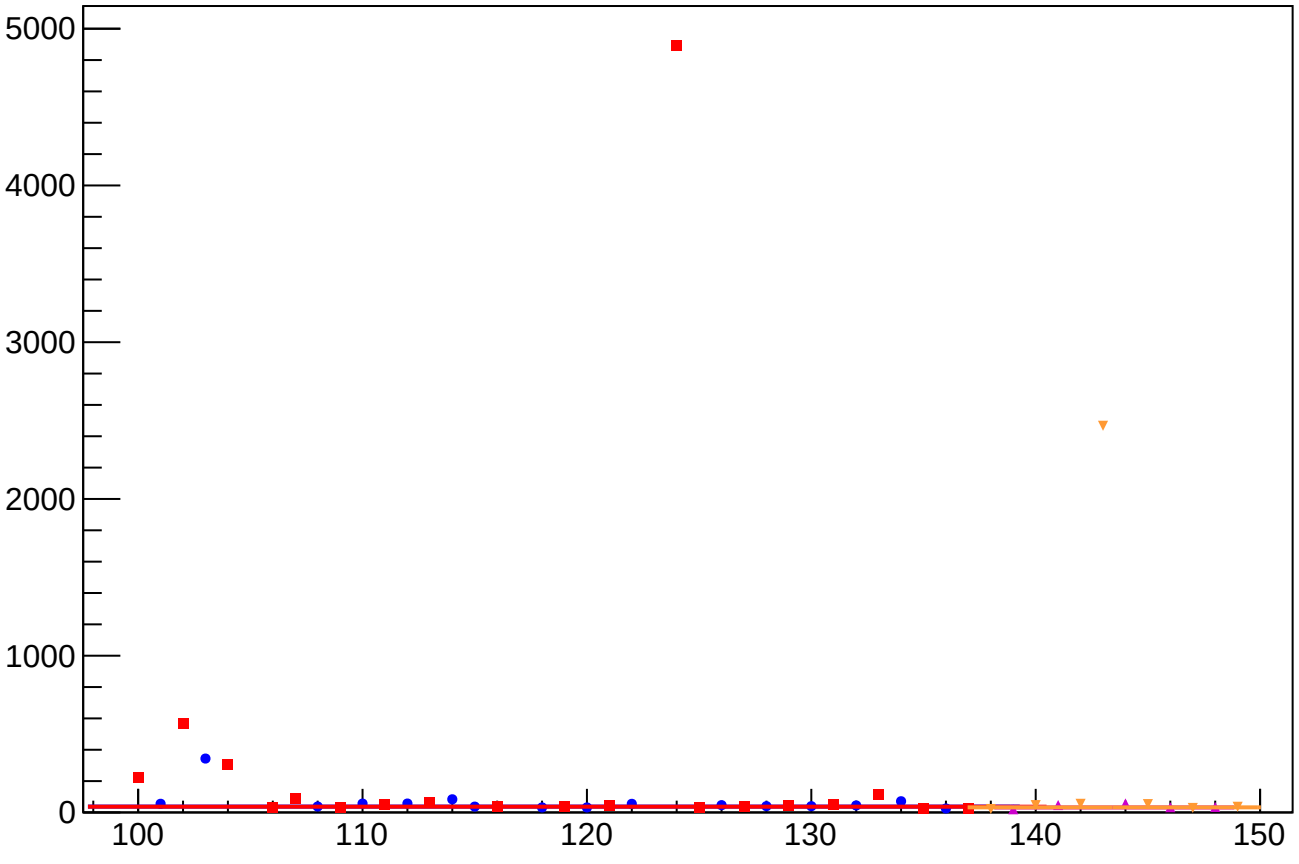
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/22

All: 0.002+/-0.008 χ^2/NDF: 46.3/46

- sign 0.002+/-0.012 χ^2/NDF: 17.9/23



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 32.523+/-0.012 χ^2/NDF:2412617.4/6

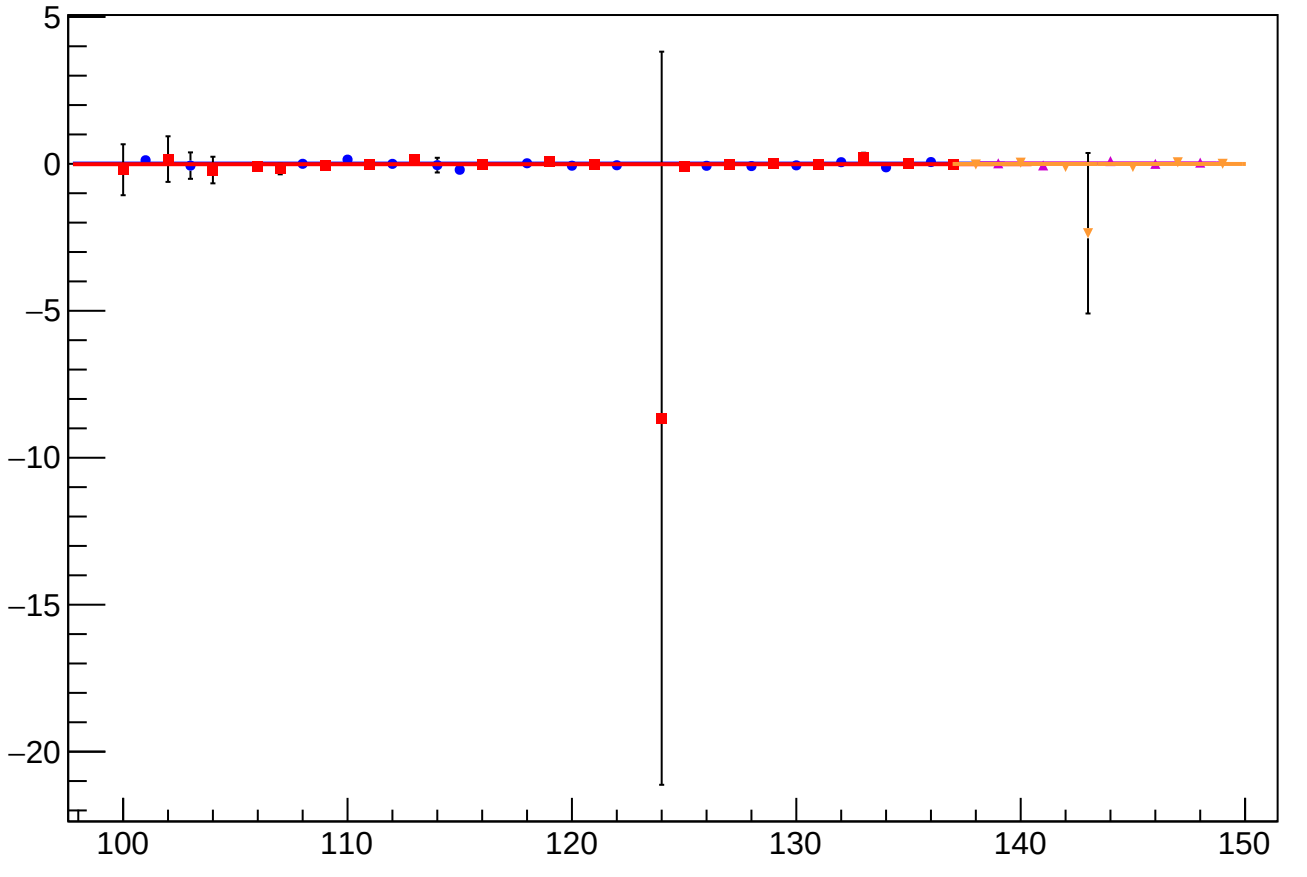
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

+ sign 35.172+/-0.008 χ^2/NDF: 4485178.5/22

All: 34.805+/-0.006 χ^2/NDF: 8648155.8/46

- 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: -0.004+/-0.017 χ^2/NDF:8.8/6

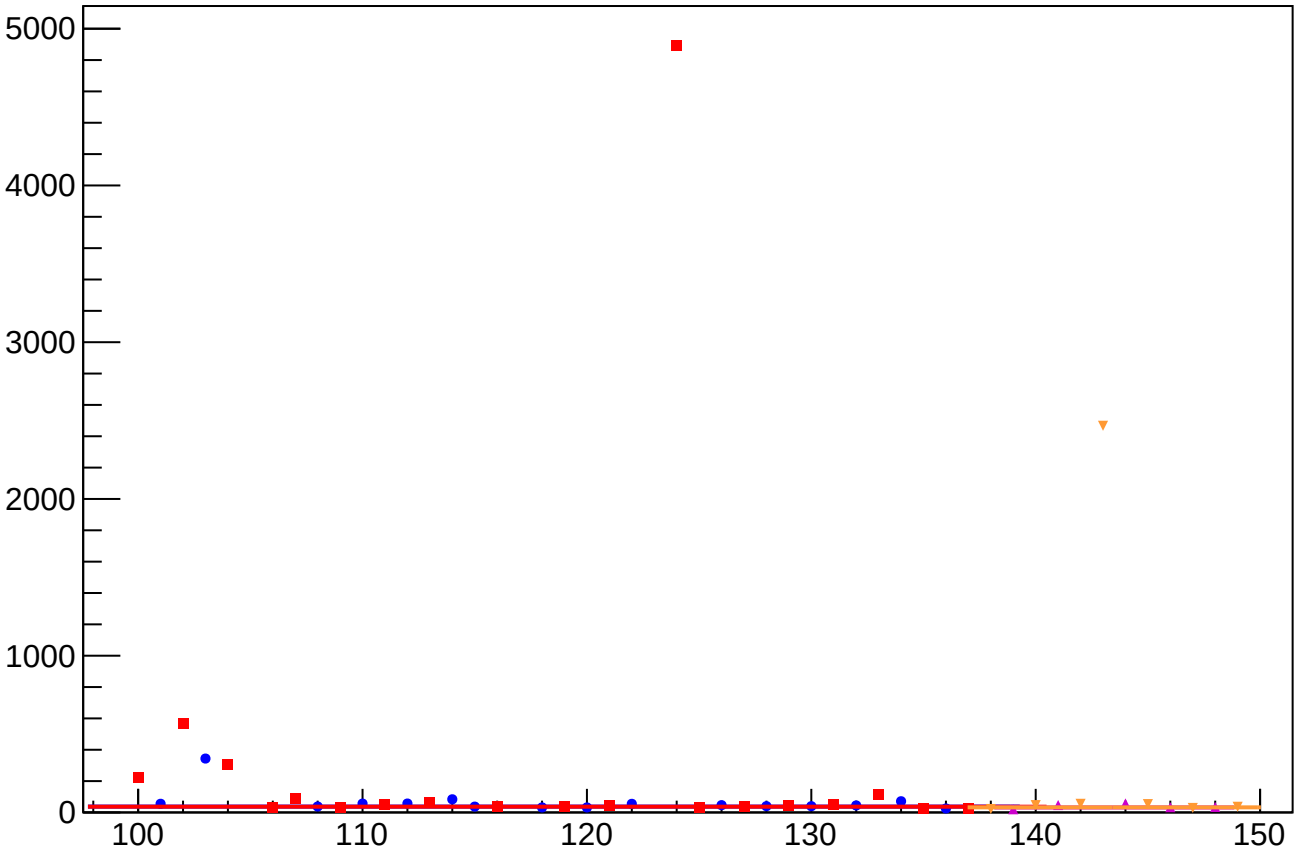
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/22

All: 0.002+/-0.008 χ^2/NDF: 46.3/46

- sign 0.002+/-0.012 χ^2/NDF: 17.9/23



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 32.523+/-0.012 χ^2/NDF:2412617.4/6

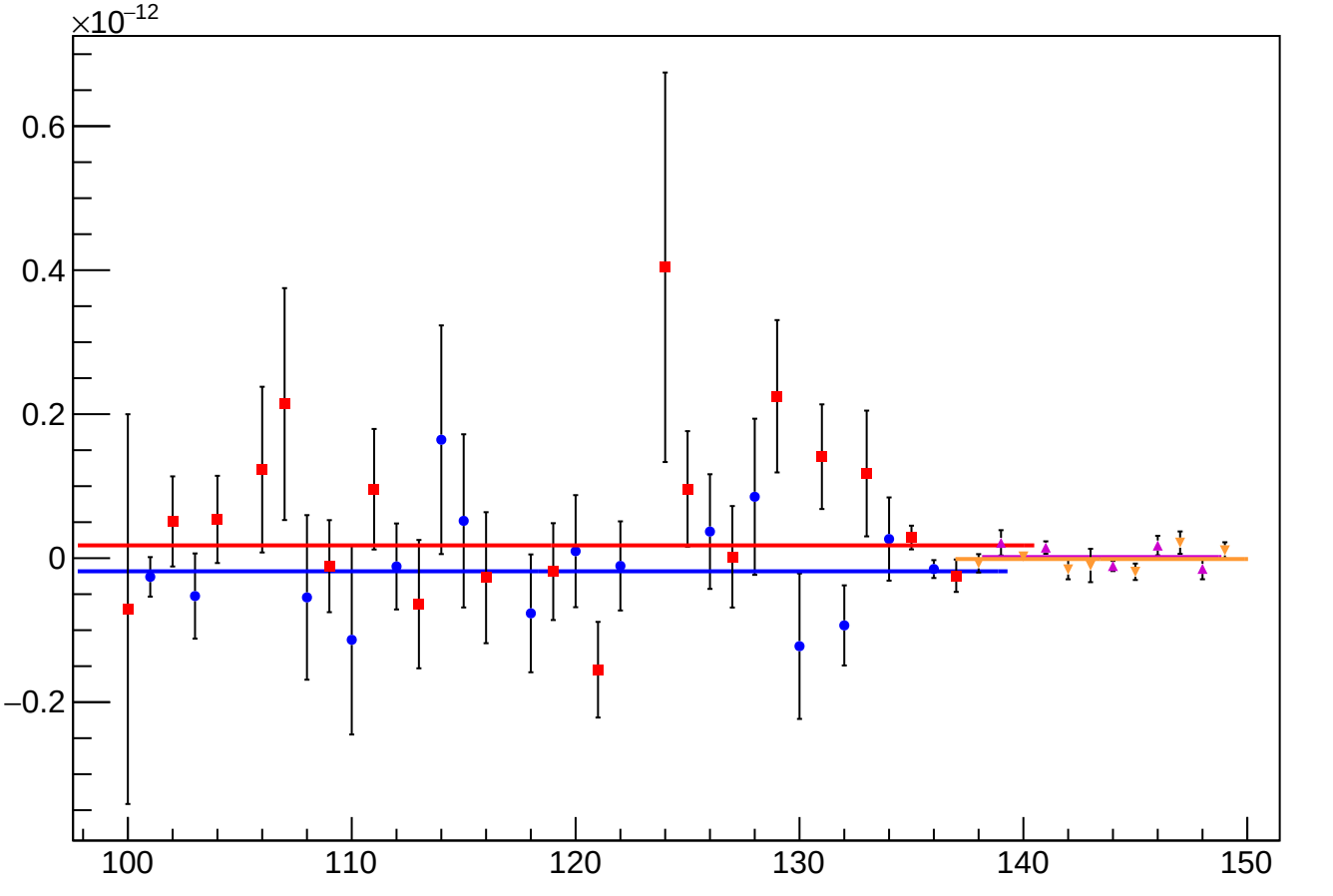
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

+ sign 35.172+/-0.008 χ^2/NDF: 4485178.5/22

All: 34.805+/-0.006 χ^2/NDF: 8648155.8/46

- 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:7.5/6

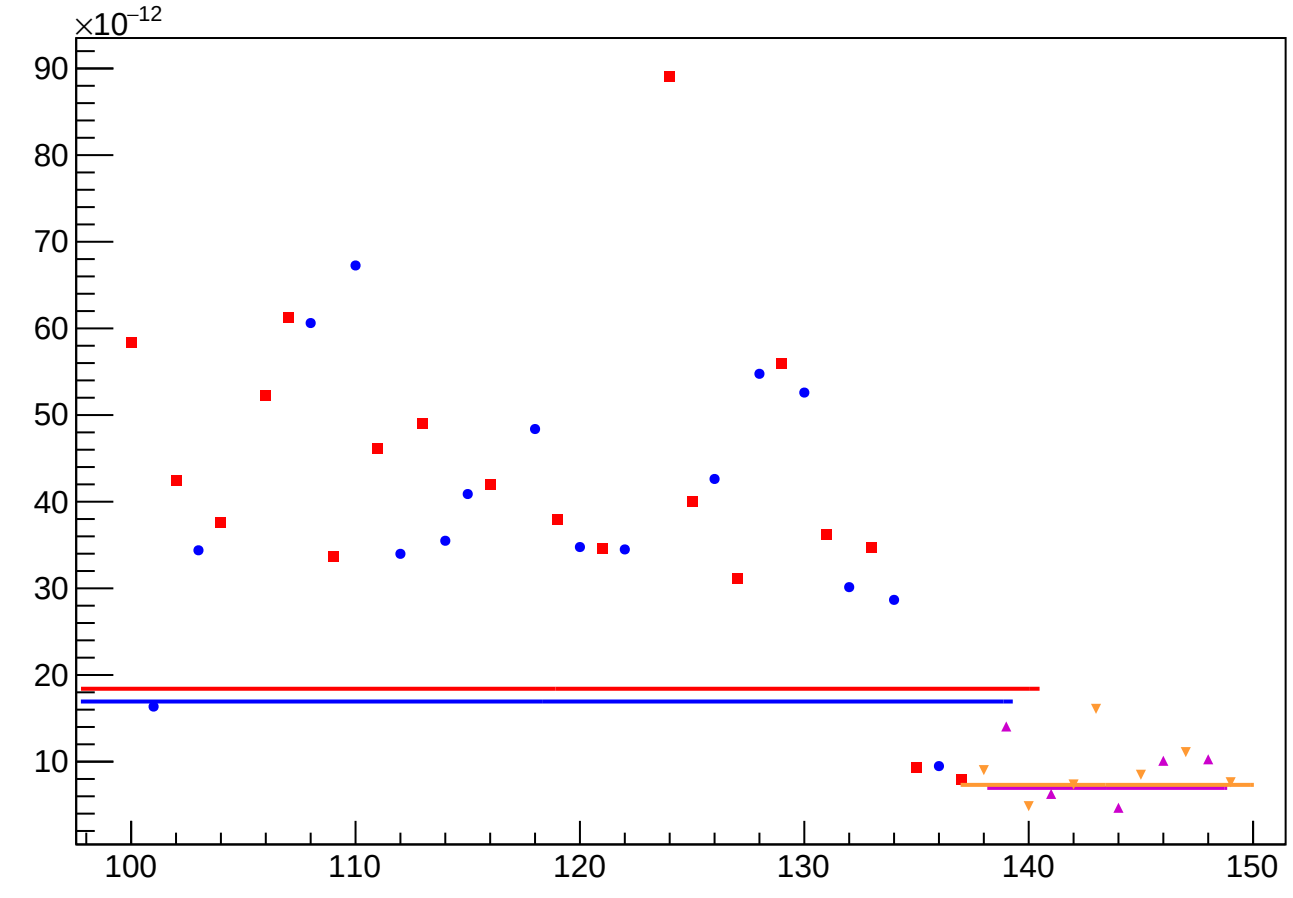
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 18.2/22

All: -0.000+/-0.000 χ^2/NDF: 58.6/46

- 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:728382.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

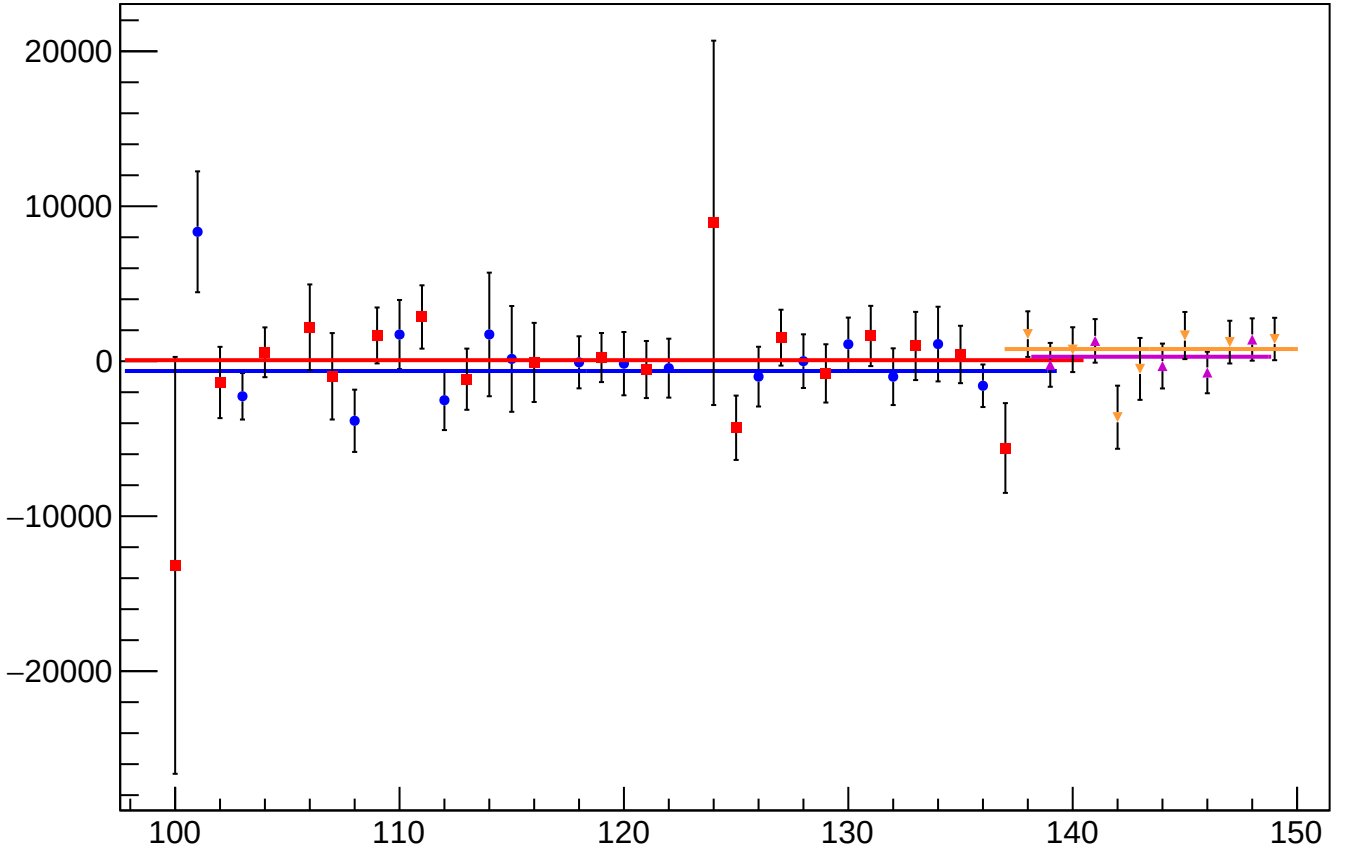
Left In: 0.000+/-0.000 χ^2/NDF:761743.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 5525005.0/22

All: 0.000+/-0.000 χ^2/NDF: 11788513.0/46

- 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: 786.631+/-584.802 χ^2/NDF:6.2/6

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

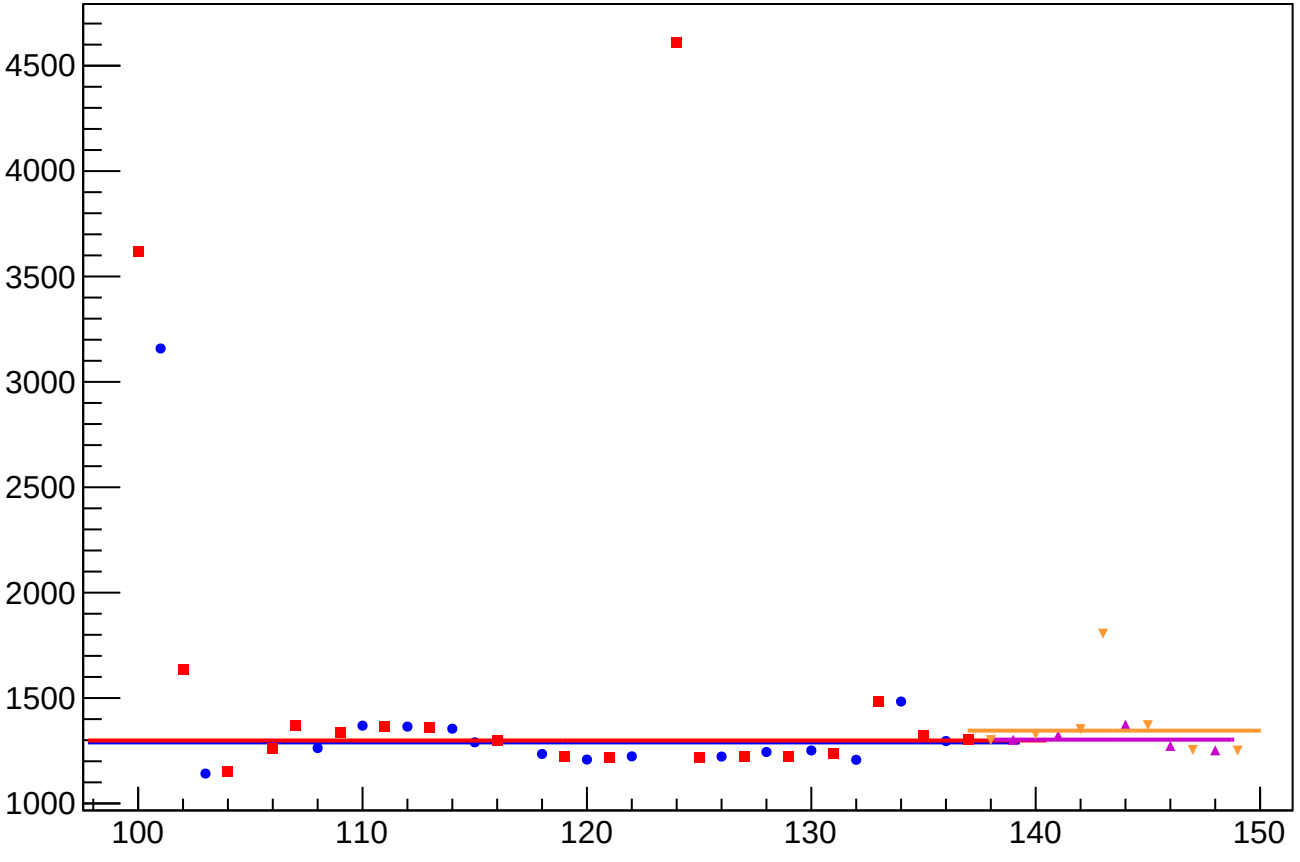
Left In: 290.048+/-623.108 χ^2/NDF:2.1/4

+ sign -48.162+/-374.982 χ^2/NDF: 23.5/22

All: 49.590+/-268.311 χ^2/NDF: 41.7/46

- 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: 1345.381+/-0.414 χ^2/NDF:127146.3/6

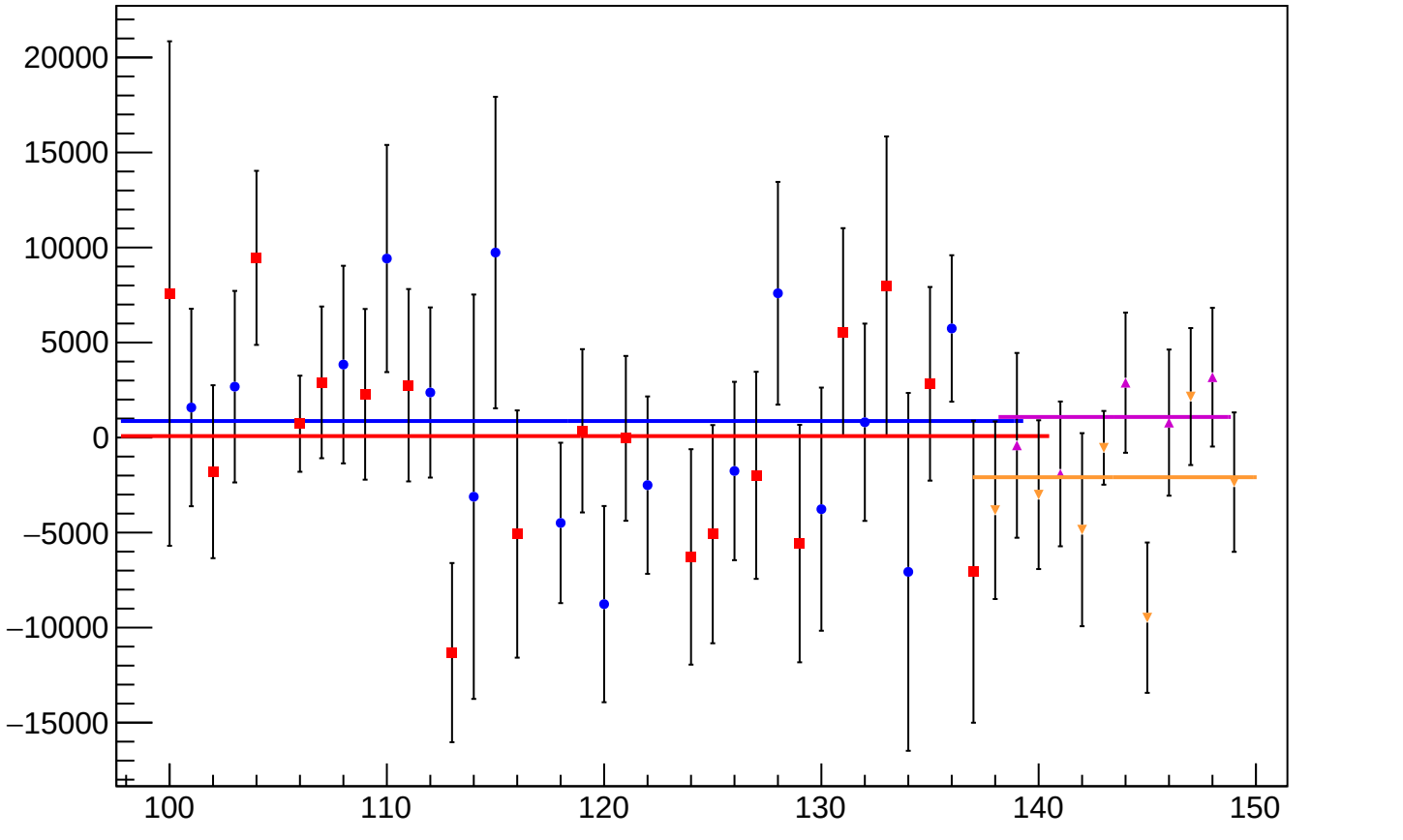
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1312.456+/-0.265 χ^2/NDF: 652587.7/22

All: 1306.449+/-0.190 χ^2/NDF: 982026.0/46

- 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: -2087.238+/-1259.002 χ^2/NDF:6.0/6

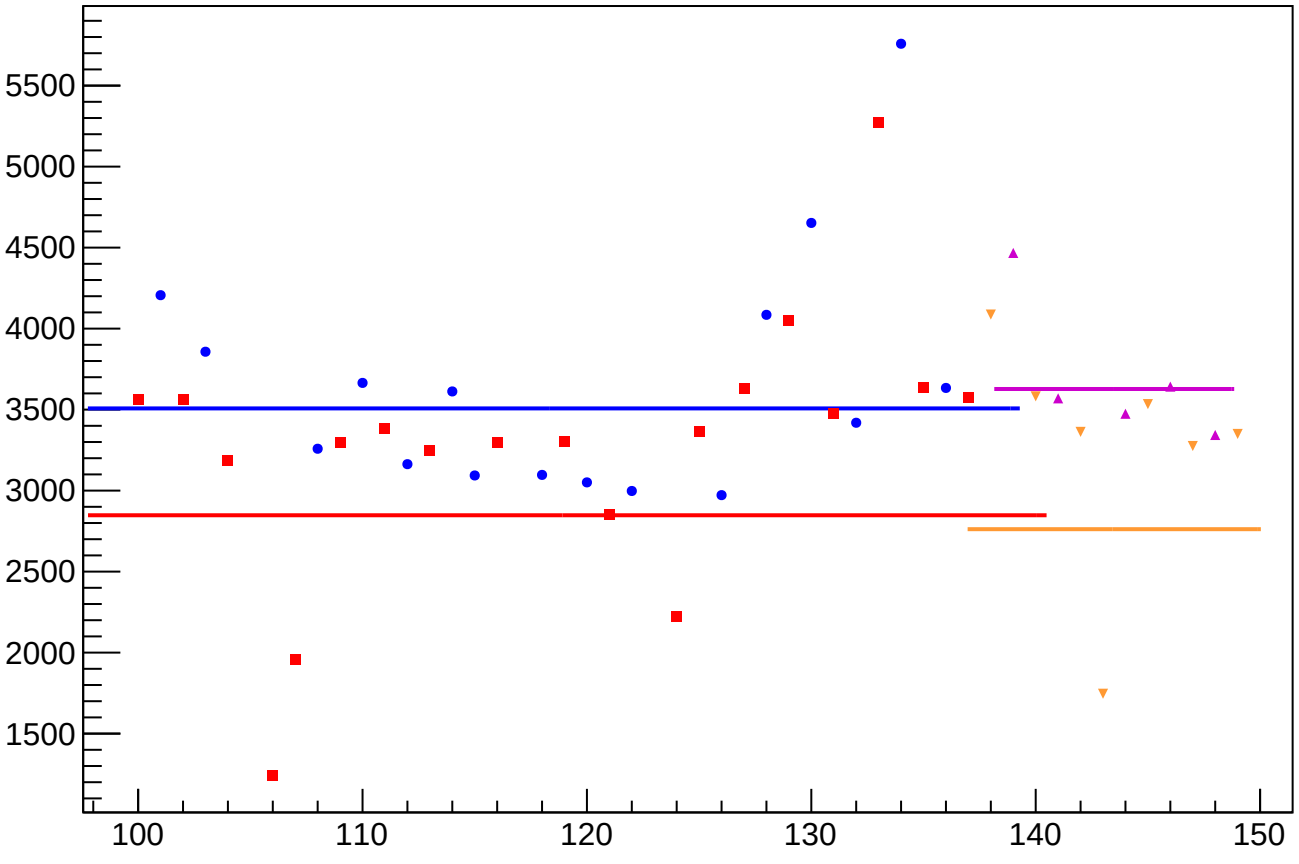
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1083.518+/-1747.502 χ^2/NDF:1.3/4

+ sign -684.271+/-912.780 χ^2/NDF: 22.7/22

All: -172.746+/-654.034 χ^2/NDF: 43.2/46

- sign 366.983+/-937.607 χ^2/NDF: 19.9/23



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2761.911+/-0.890 χ^2/NDF:993241.5/6

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

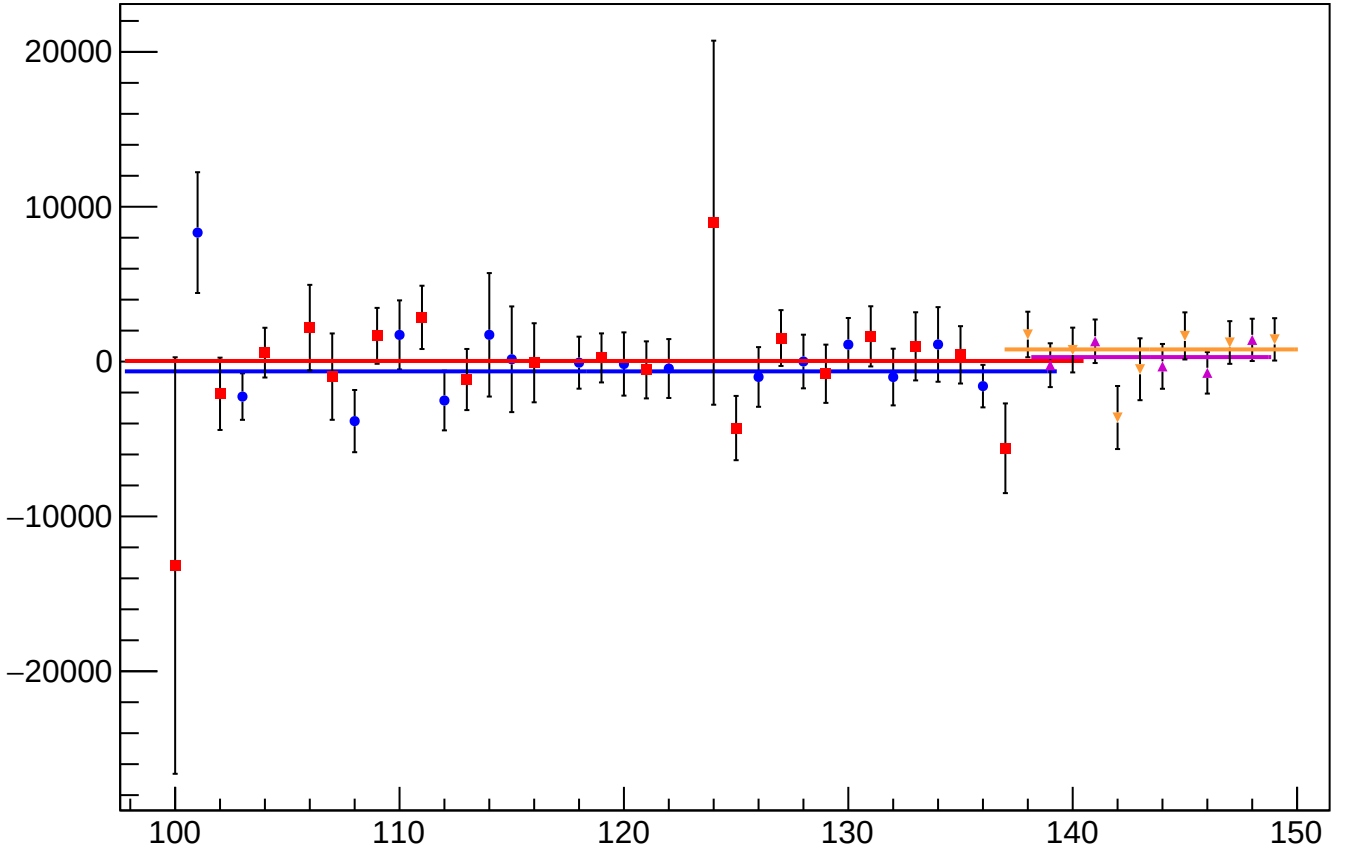
Left In: 3627.290+/-1.236 χ^2/NDF:75704.1/4

+ sign 3115.548+/-0.645 χ^2/NDF: 1679860.9/22

All: 3094.465+/-0.462 χ^2/NDF: 3540488.6/46

- sign 3072.220+/-0.663 χ^2/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: 786.523+/-584.802 χ^2/NDF:6.2/6

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

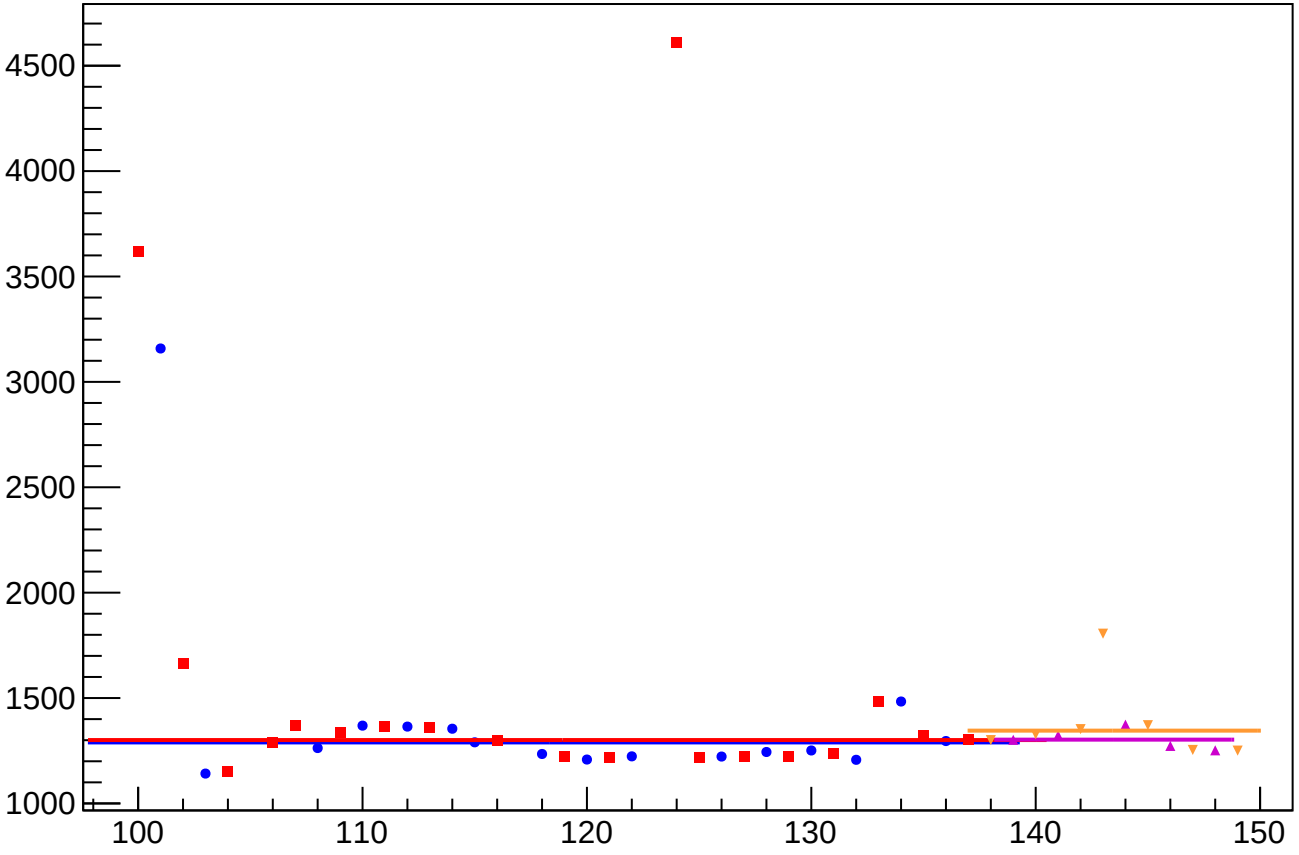
Left In: 290.063+/-623.108 χ^2/NDF:2.1/4

+ sign -48.433+/-374.982 χ^2/NDF: 23.5/22

All: 40.674+/-268.365 χ^2/NDF: 42.1/46

- 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: 1345.381+/-0.414 χ^2/NDF:127146.3/6

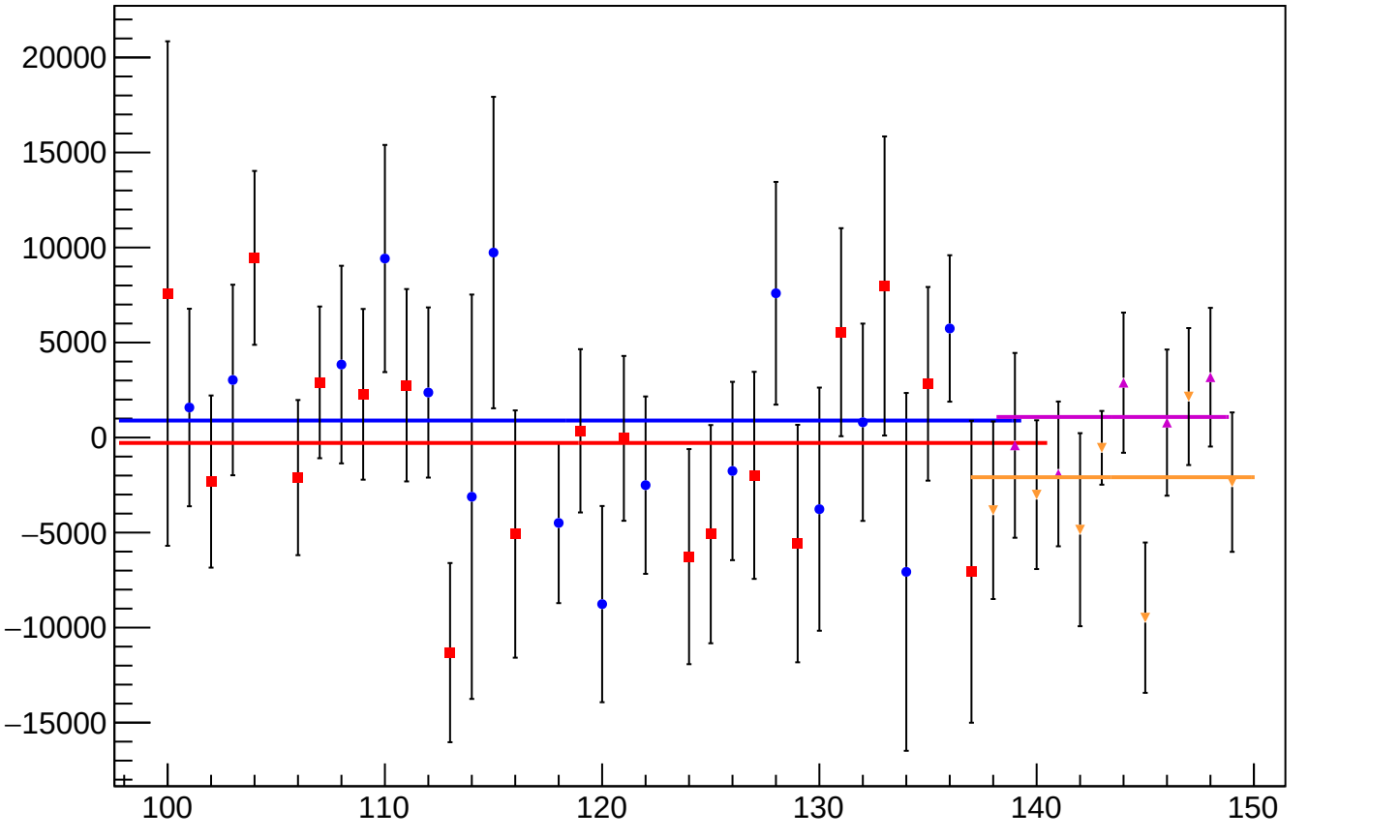
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1312.456+/-0.265 χ^2/NDF: 652589.2/22

All: 1307.070+/-0.190 χ^2/NDF: 988316.4/46

- 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: -2087.137+/-1258.998 χ^2/NDF:6.0/6

Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

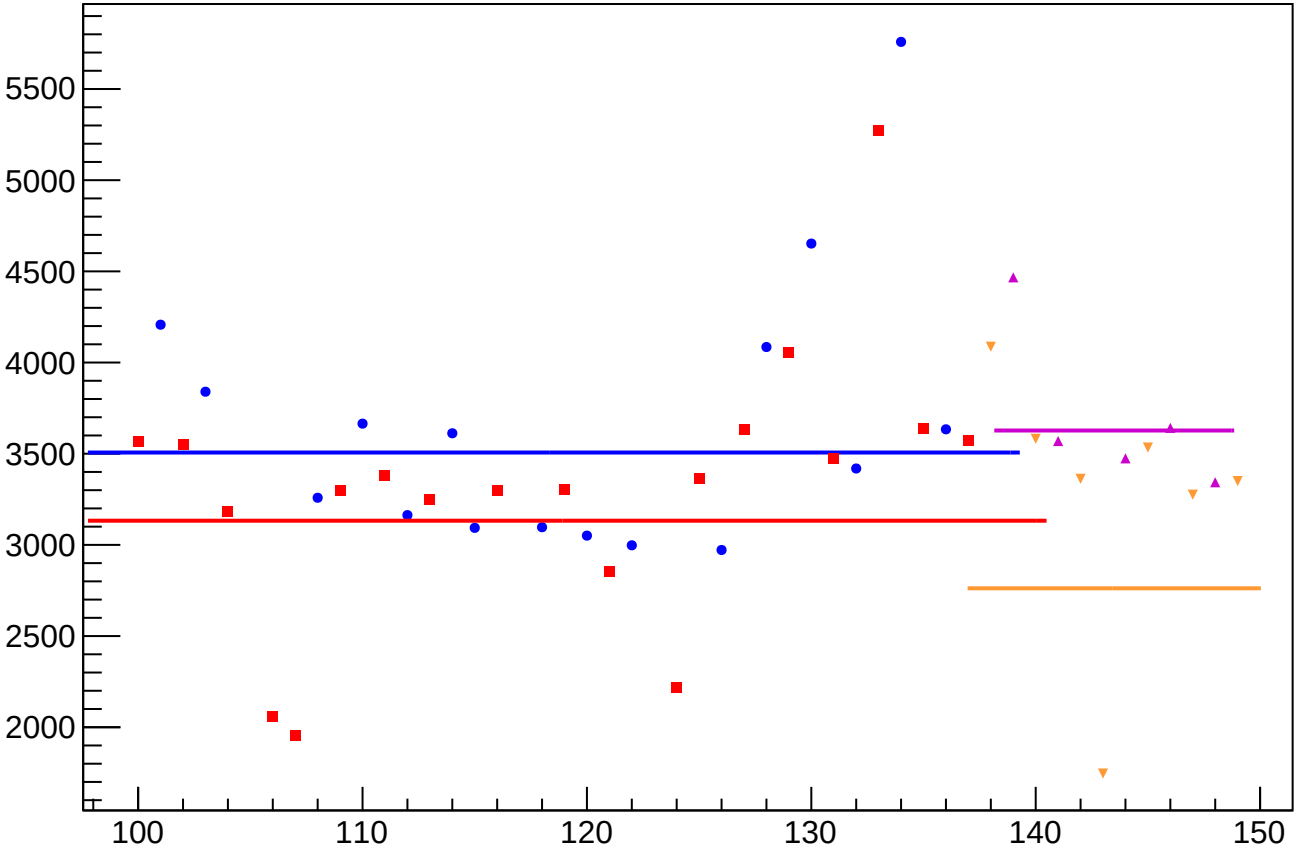
Left In: 1083.517+/-1747.501 χ^2/NDF:1.3/4

+ sign -671.510+/-912.629 χ^2/NDF: 22.8/22

All: -291.767+/-667.790 χ^2/NDF: 43.5/46

- 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: 2761.900+/-0.890 χ^2/NDF:993256.0/6

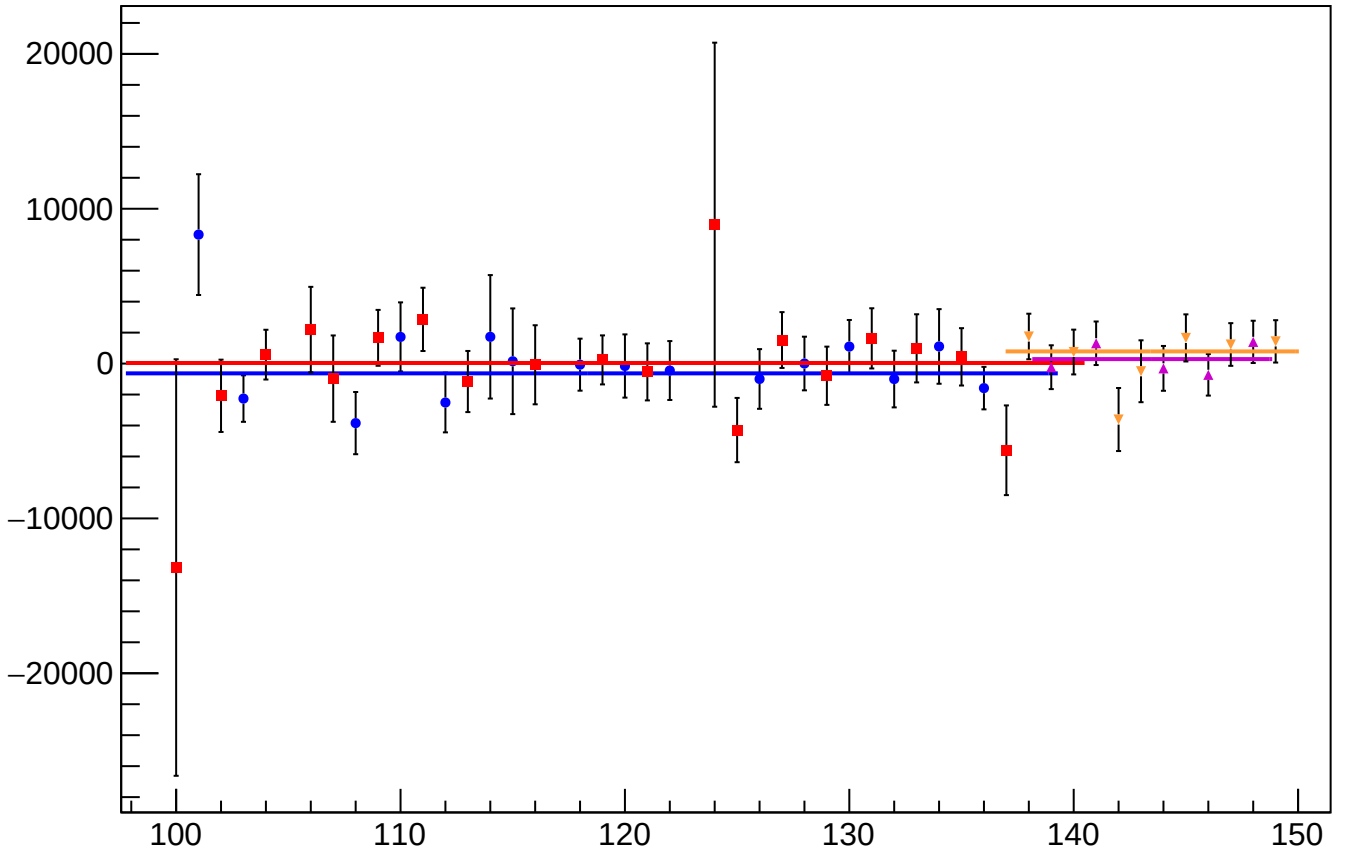
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

+ sign 3115.235+/-0.645 χ^2/NDF: 1678450.4/22

All: 3195.538+/-0.472 χ^2/NDF: 2546994.5/46

- 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: 786.523+/-584.802 χ^2/NDF:6.2/6

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

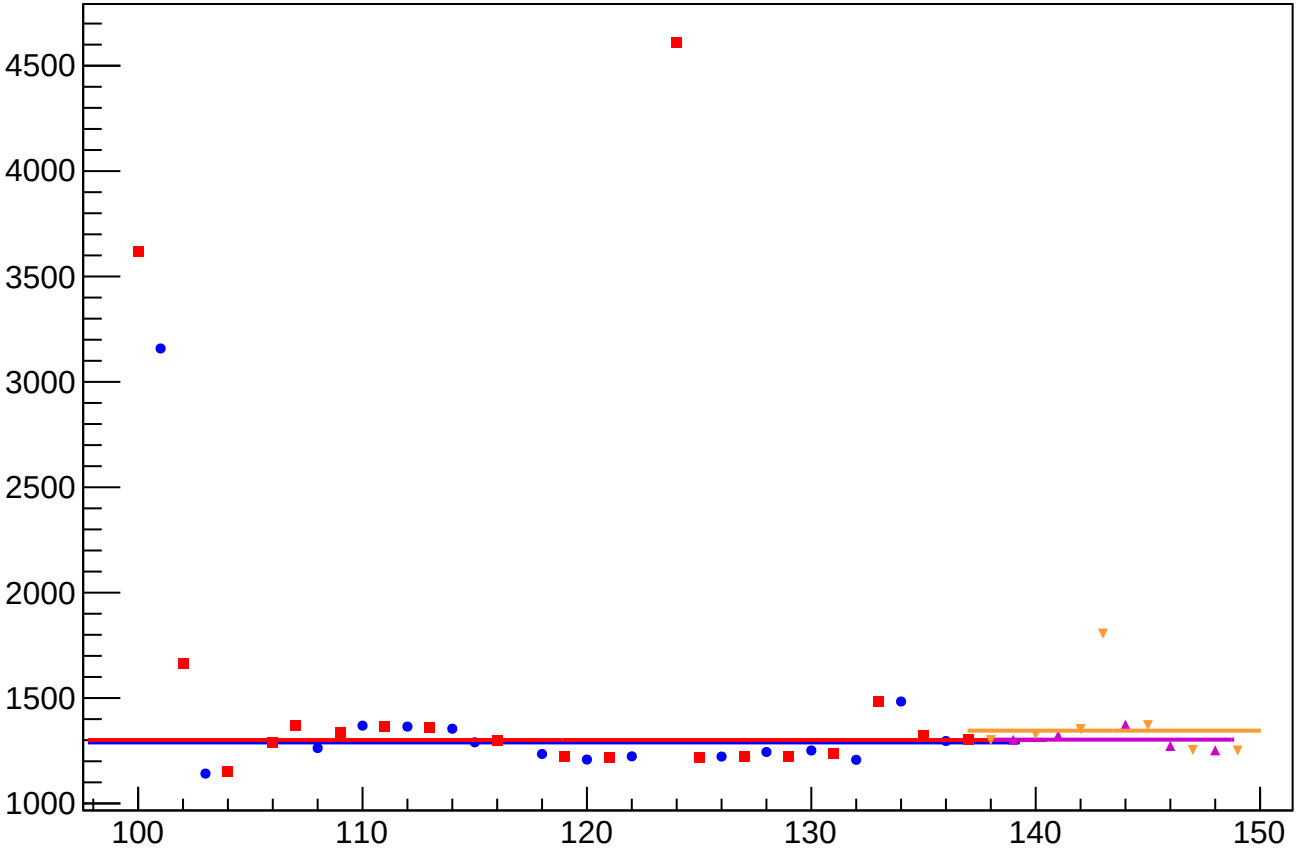
Left In: 290.063+/-623.108 χ^2/NDF:2.1/4

+ sign -48.433+/-374.982 χ^2/NDF: 23.5/22

All: 40.674+/-268.365 χ^2/NDF: 42.1/46

- 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: 1345.381+/-0.414 χ^2/NDF:127146.3/6

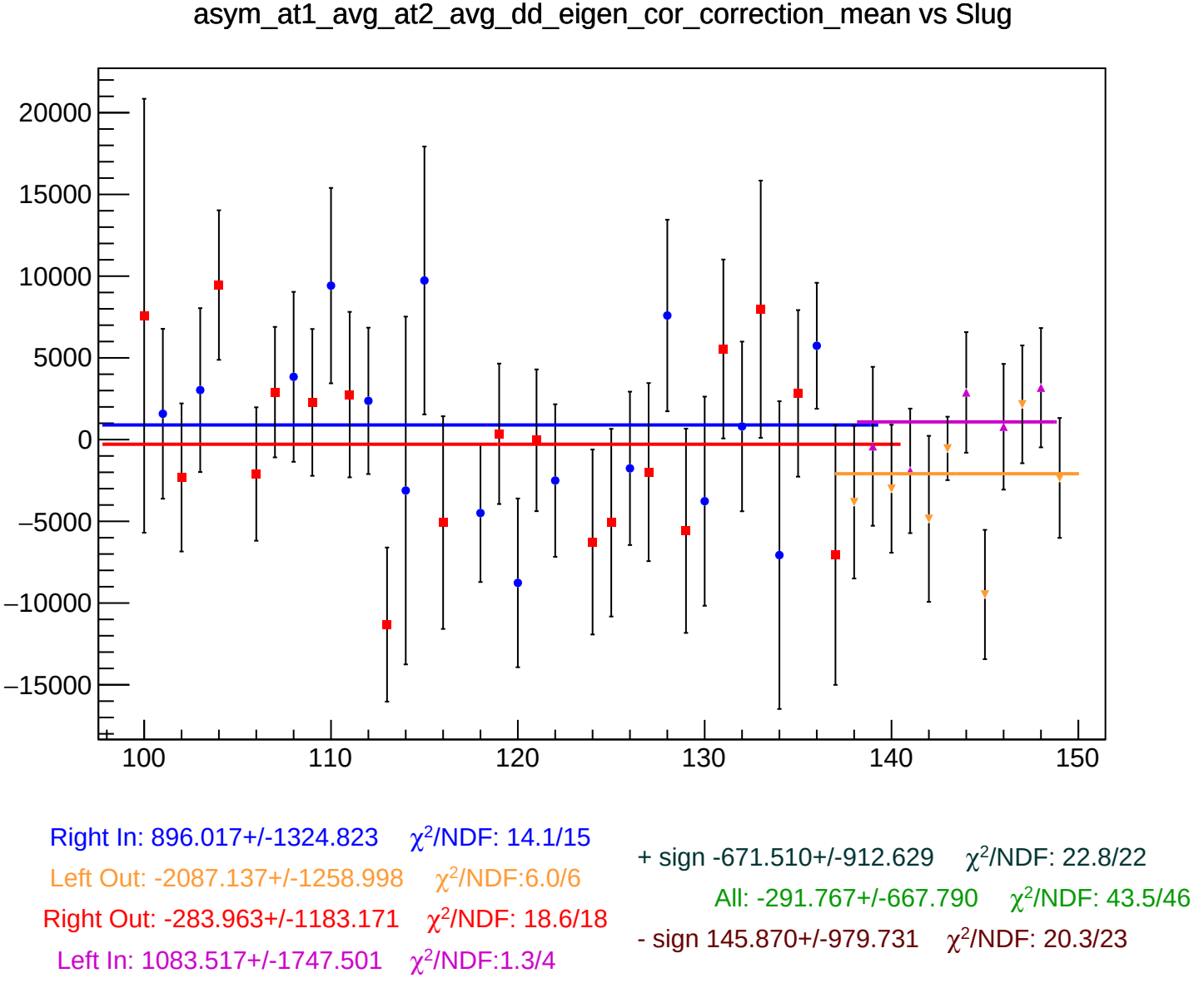
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

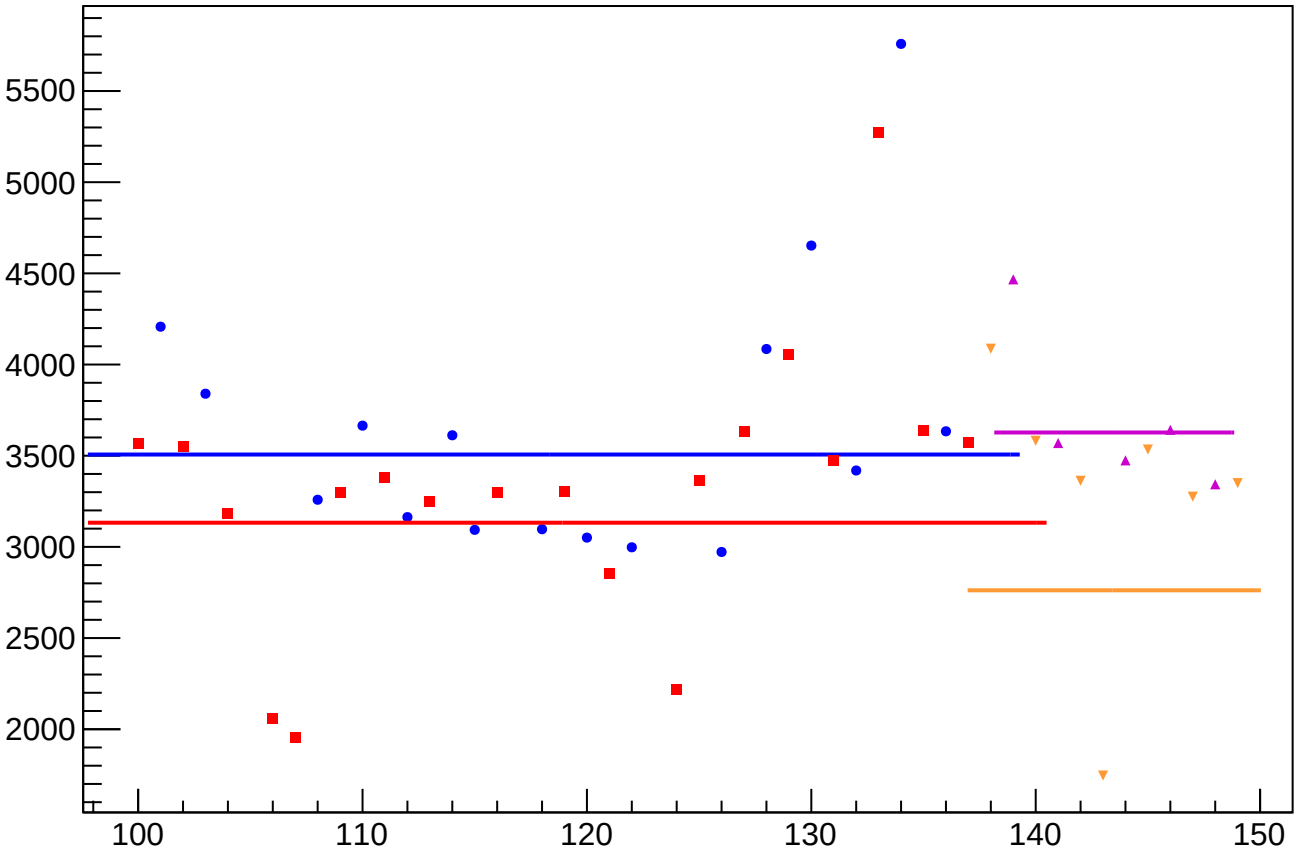
Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1312.456+/-0.265 χ^2/NDF: 652589.2/22

All: 1307.070+/-0.190 χ^2/NDF: 988316.4/46

- sign 1301.429+/-0.271 χ^2/NDF: 334882.5/23


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2087.137+/-1258.998 χ²/NDF:6.0/6
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1083.517+/-1747.501 χ²/NDF:1.3/4
+ sign -671.510+/-912.629 χ²/NDF: 22.8/22
All: -291.767+/-667.790 χ²/NDF: 43.5/46
- sign 145.870+/-979.731 χ²/NDF: 20.3/23



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2761.900+/-0.890 χ^2/NDF:993256.0/6

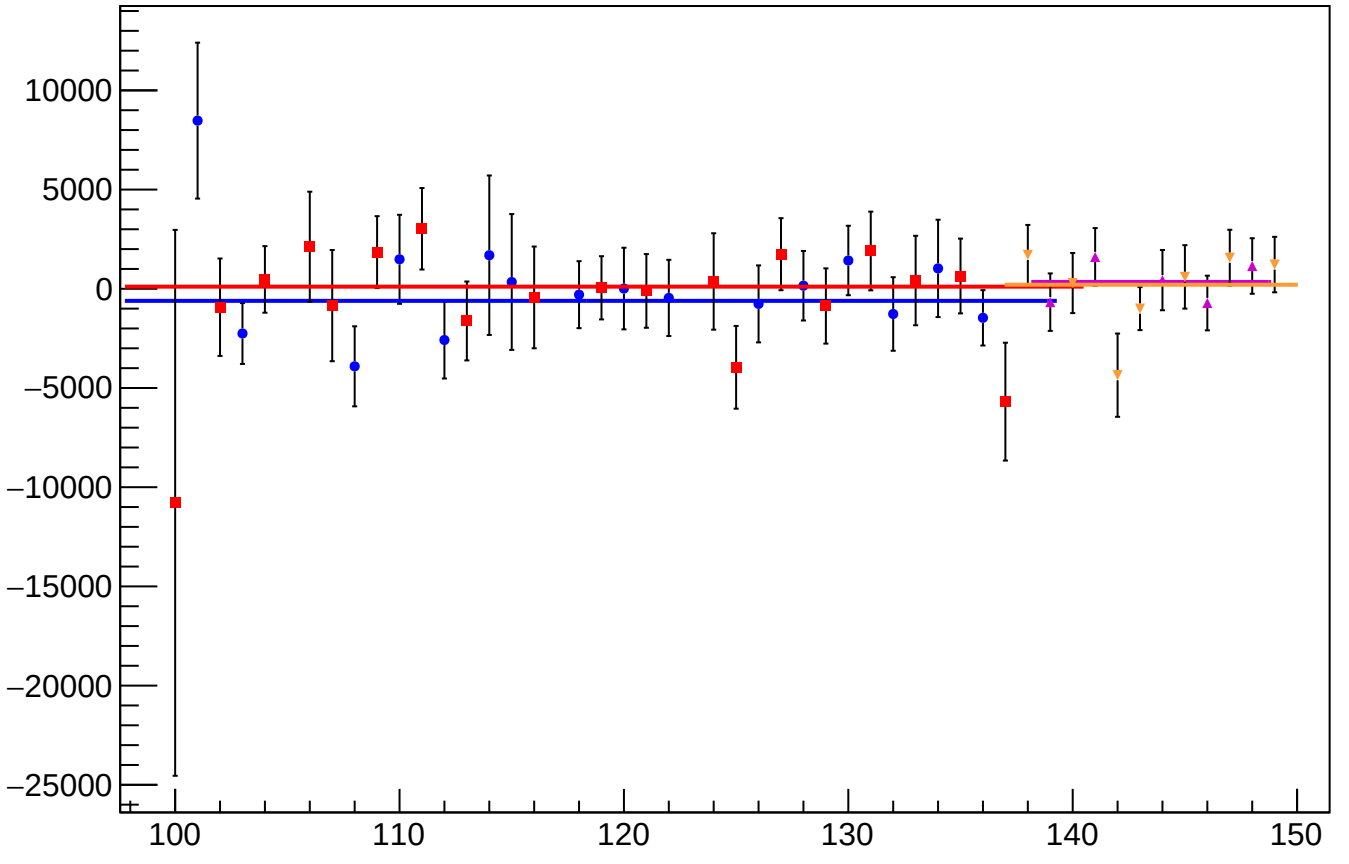
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

+ sign 3115.235+/-0.645 χ^2/NDF: 1678450.4/22

All: 3195.538+/-0.472 χ^2/NDF: 2546994.5/46

- 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: 204.117+/-545.569 χ^2/NDF:8.5/6

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

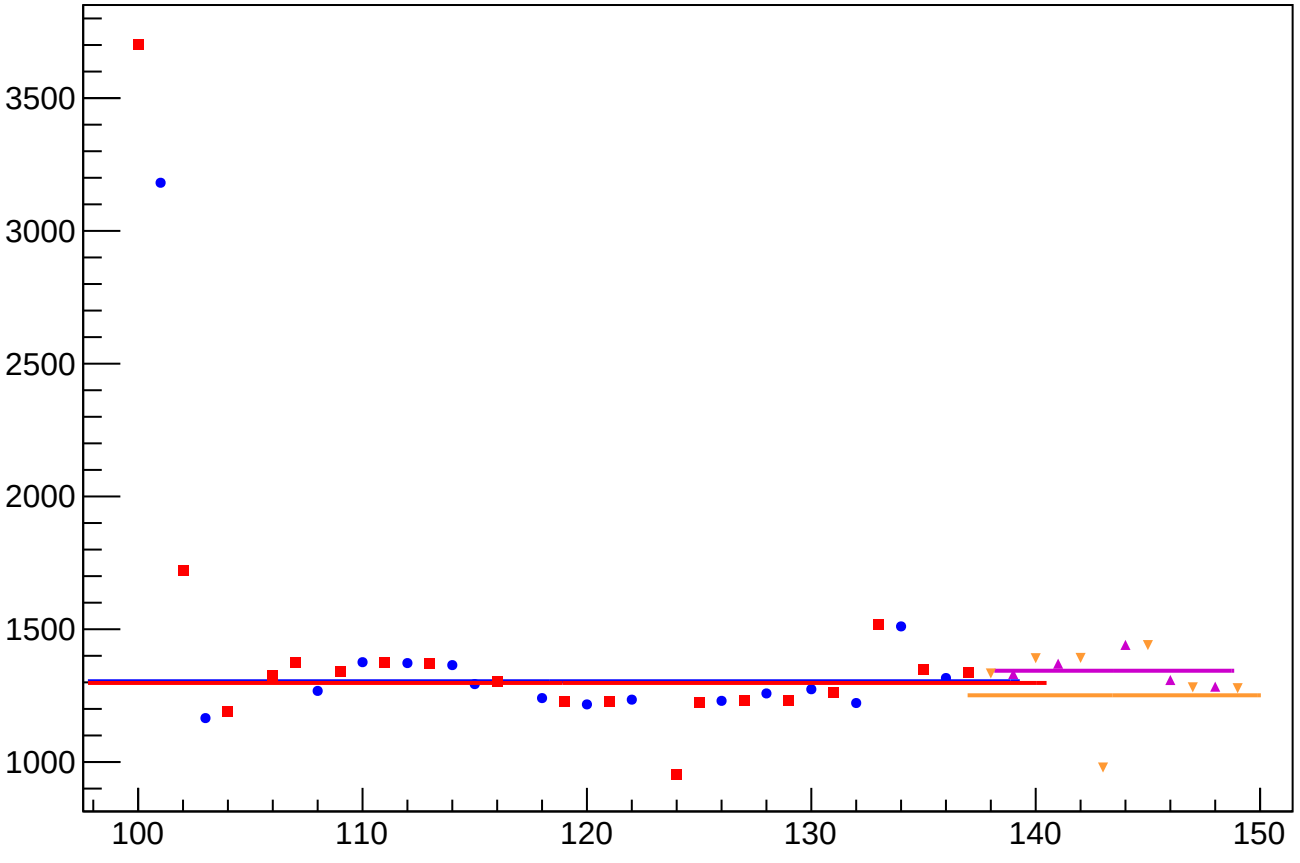
Left In: 344.307+/-643.028 χ^2/NDF:2.2/4

+ sign -241.888+/-366.262 χ^2/NDF: 23.8/22

All: -36.115+/-266.175 χ^2/NDF: 41.6/46

- 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: 1251.266+/-0.386 χ^2/NDF:187430.1/6

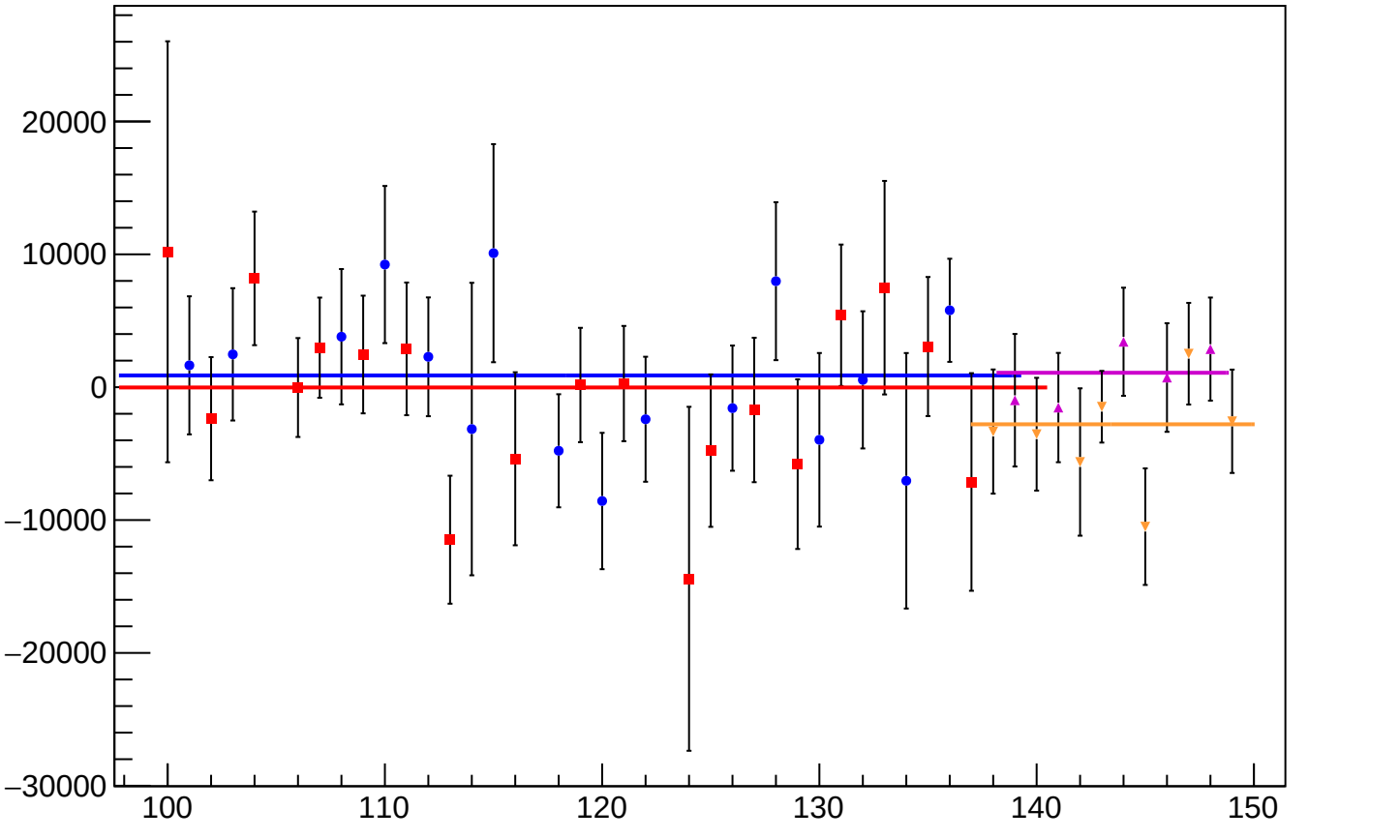
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1343.748+/-0.455 χ^2/NDF:13958.6/4

+ sign 1280.289+/-0.259 χ^2/NDF: 708323.7/22

All: 1296.424+/-0.188 χ^2/NDF: 950109.0/46

- 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: -2791.459+/-1478.285 χ^2/NDF:5.6/6

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

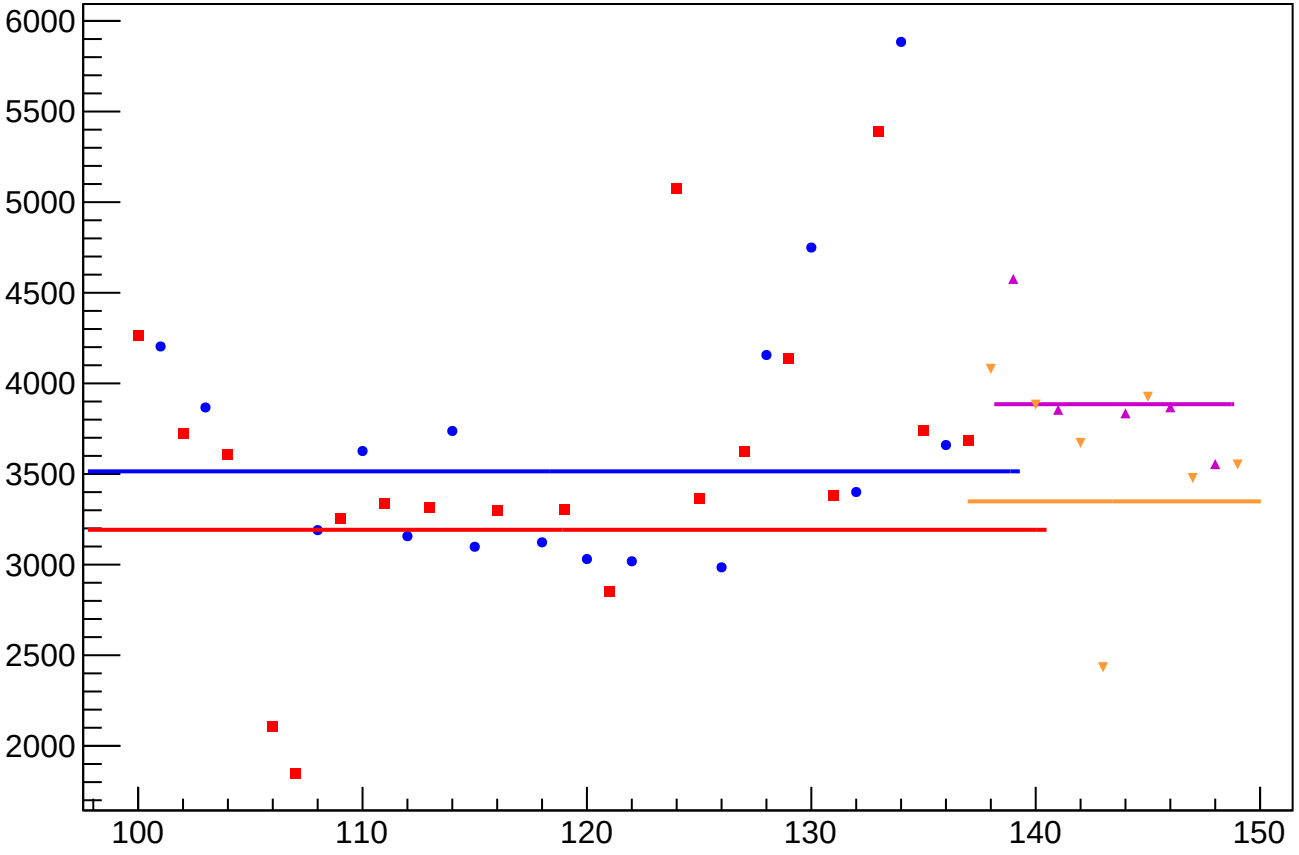
Left In: 1086.069+/-1869.912 χ^2/NDF:1.1/4

+ sign -756.606+/-987.663 χ^2/NDF: 23.1/22

All: -239.025+/-706.126 χ^2/NDF: 41.9/46

- sign 302.164+/-1009.935 χ^2/NDF: 18.2/23

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3349.085+/-1.045 χ^2/NDF:359788.3/6

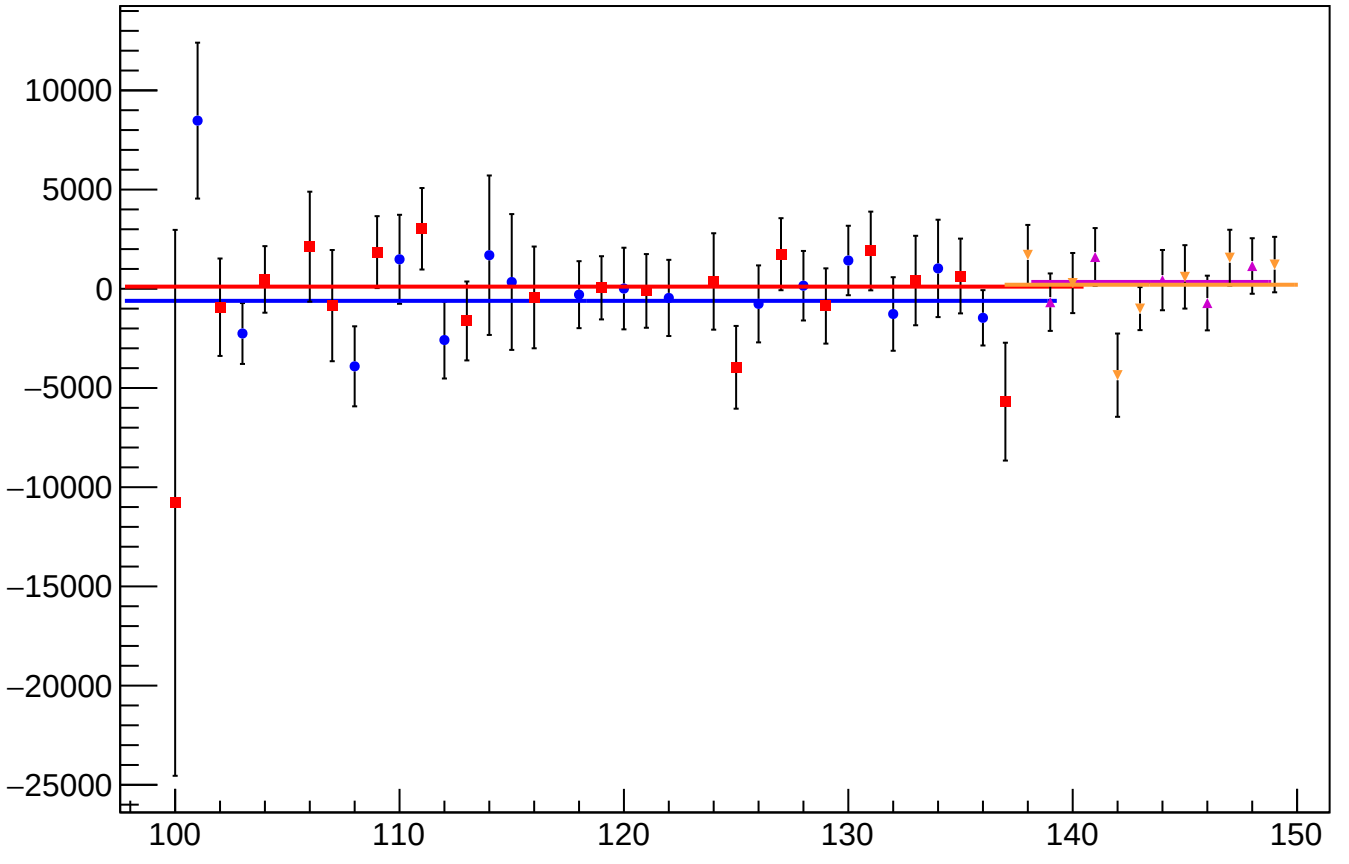
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3885.199+/-1.322 χ^2/NDF:53360.0/4

+ sign 3440.799+/-0.698 χ^2/NDF: 748771.8/22

All: 3418.094+/-0.499 χ^2/NDF: 1771353.2/46

- 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: 204.113+/-545.569 χ^2/NDF:8.5/6

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

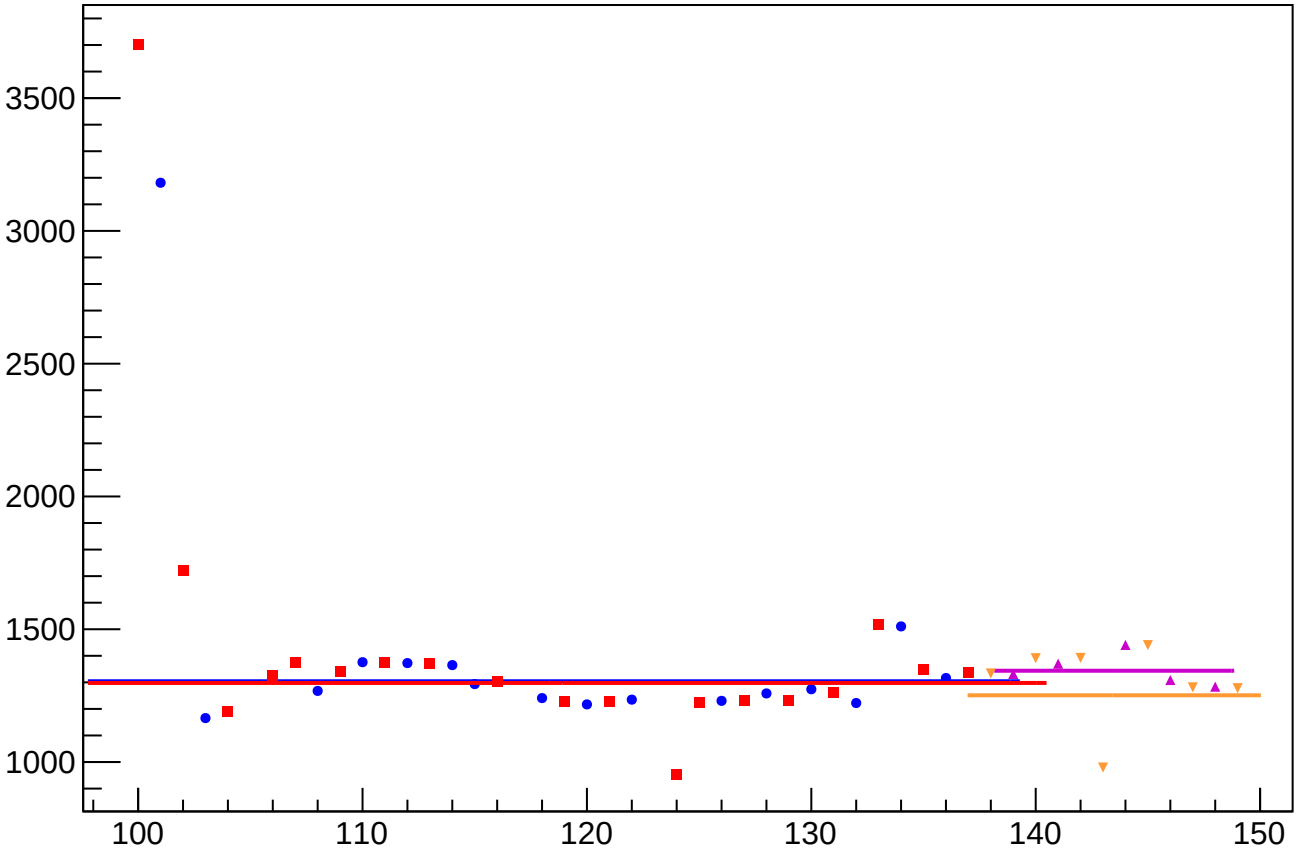
Left In: 344.306+/-643.029 χ^2/NDF:2.2/4

+ sign -241.891+/-366.263 χ^2/NDF: 23.8/22

All: -36.116+/-266.175 χ^2/NDF: 41.6/46

- 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: 1251.267+/-0.386 χ^2/NDF:187430.4/6

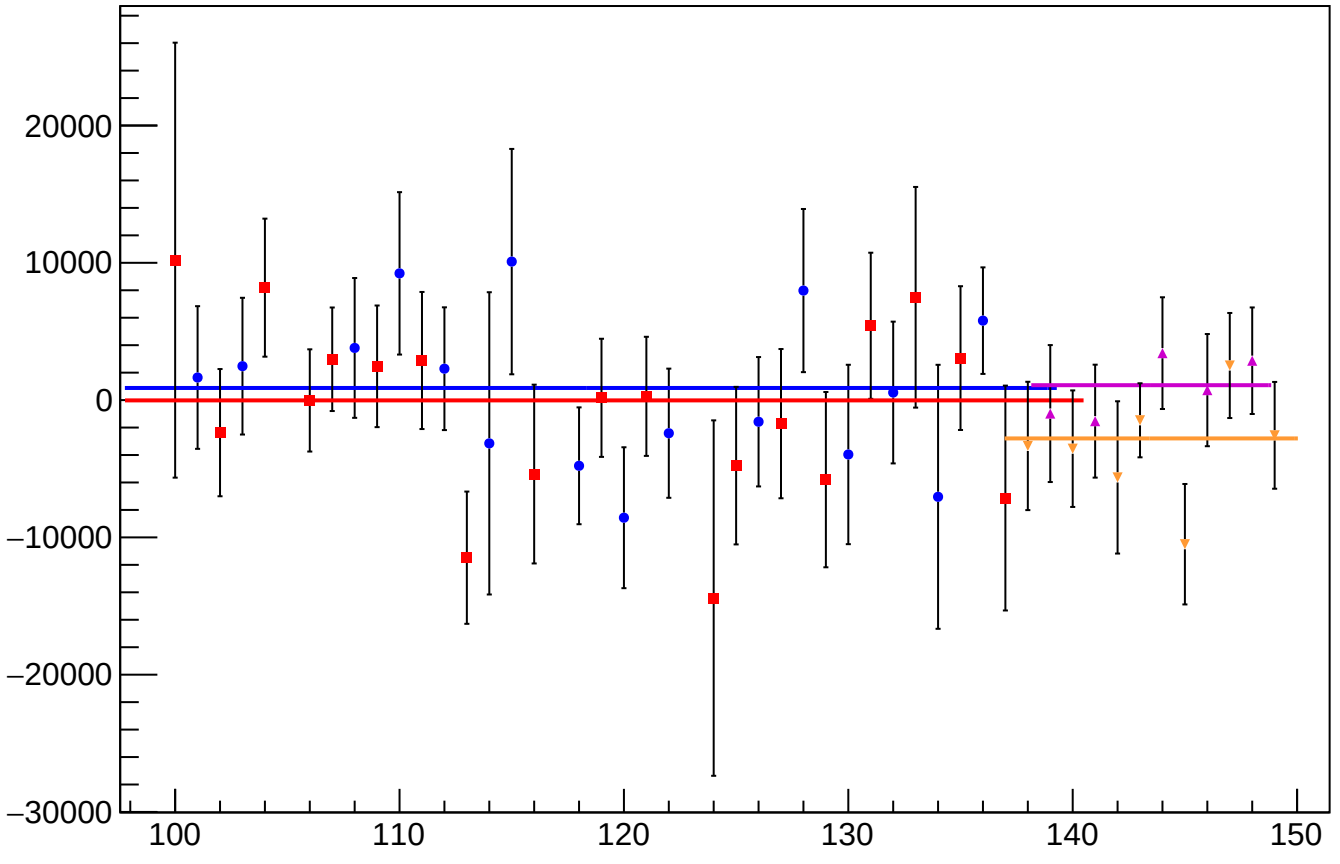
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1343.749+/-0.455 χ^2/NDF:13958.6/4

+ sign 1280.289+/-0.259 χ^2/NDF: 708323.7/22

All: 1296.425+/-0.188 χ^2/NDF: 950109.5/46

- 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: -2791.459+/-1478.287 χ^2/NDF:5.6/6

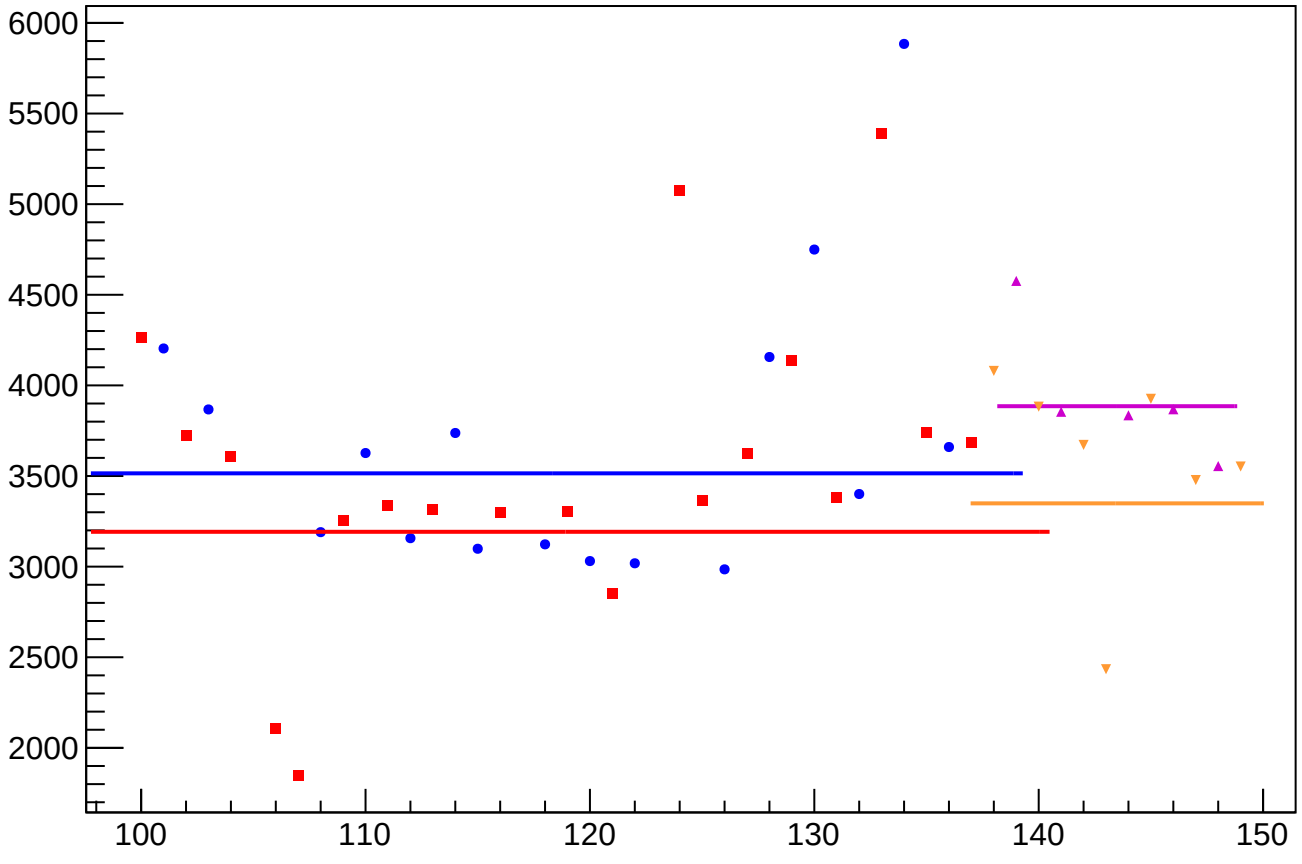
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1086.066+/-1869.915 χ^2/NDF:1.1/4

+ sign -756.605+/-987.662 χ^2/NDF: 23.1/22

All: -239.024+/-706.125 χ^2/NDF: 41.9/46

- 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: 3349.090+/-1.045 χ^2/NDF:359788.9/6

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

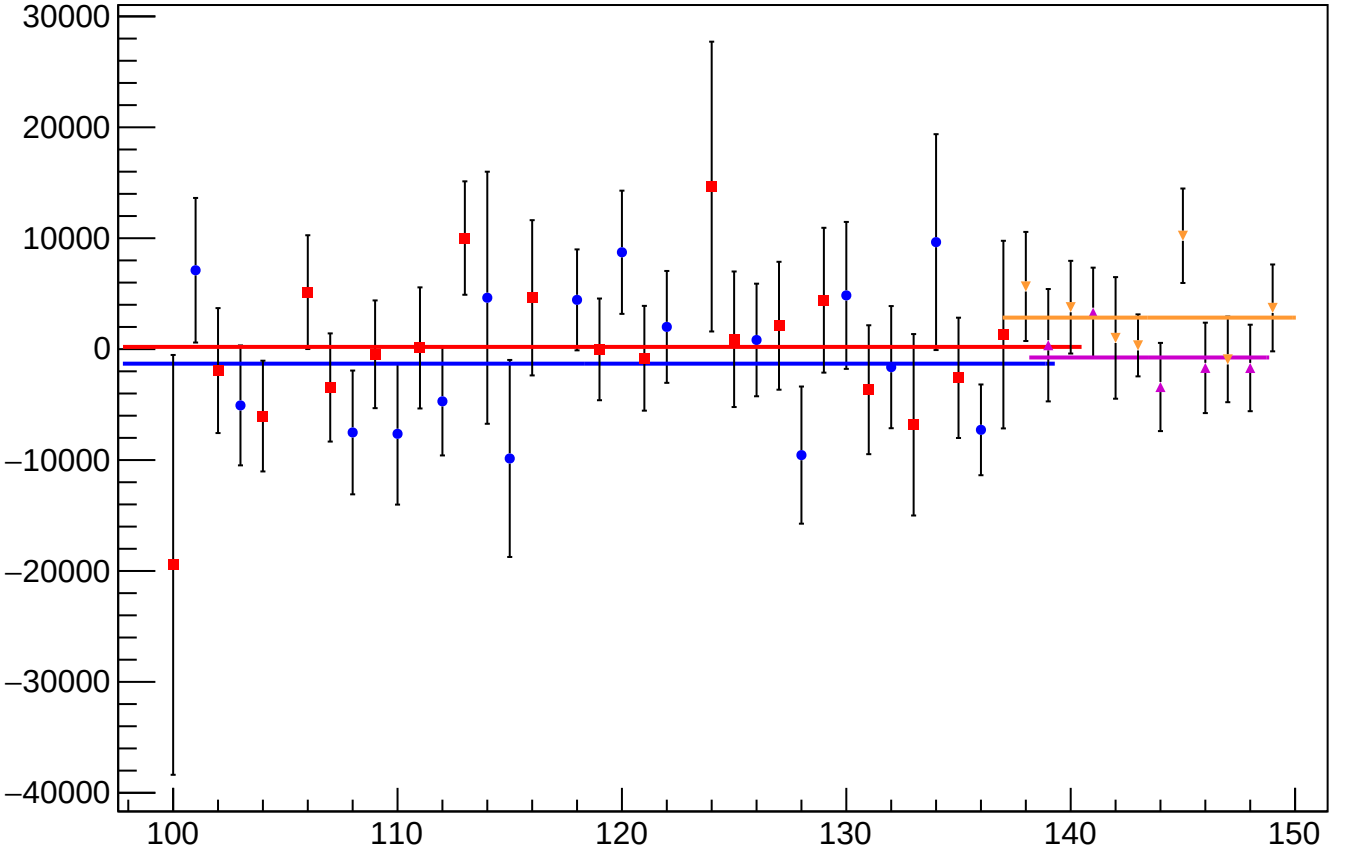
Left In: 3885.204+/-1.322 χ^2/NDF:53360.9/4

+ sign 3440.796+/-0.698 χ^2/NDF: 748774.3/22

All: 3418.090+/-0.499 χ^2/NDF: 1771366.4/46

- 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: 2842.696+/-1495.106 χ^2/NDF:5.3/6

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

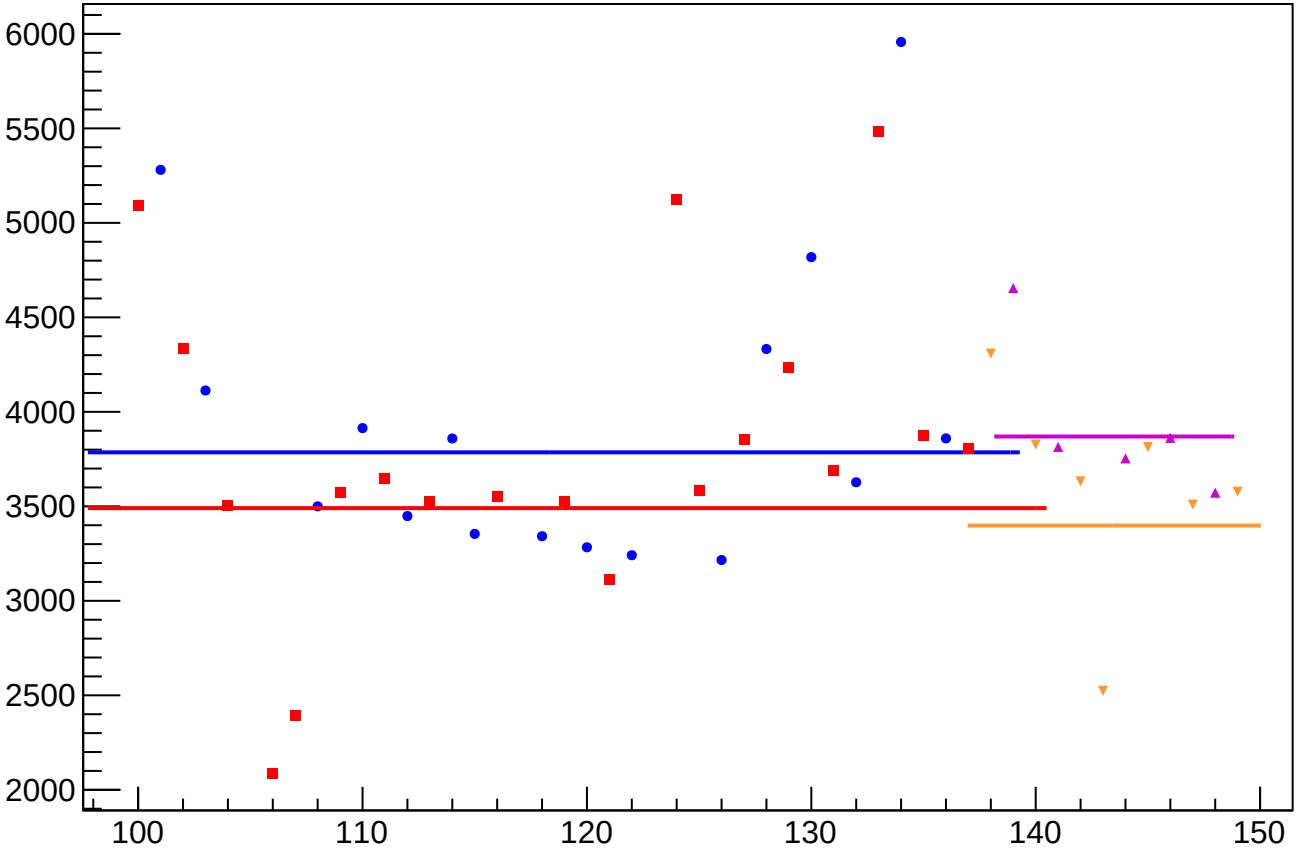
Left In: -751.876+/-1861.261 χ^2/NDF:1.6/4

+ sign 676.657+/-1034.025 χ^2/NDF: 26.9/22

All: 296.365+/-748.662 χ^2/NDF: 40.6/46

- 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: 3398.087+/-1.057 χ^2/NDF:314083.3/6

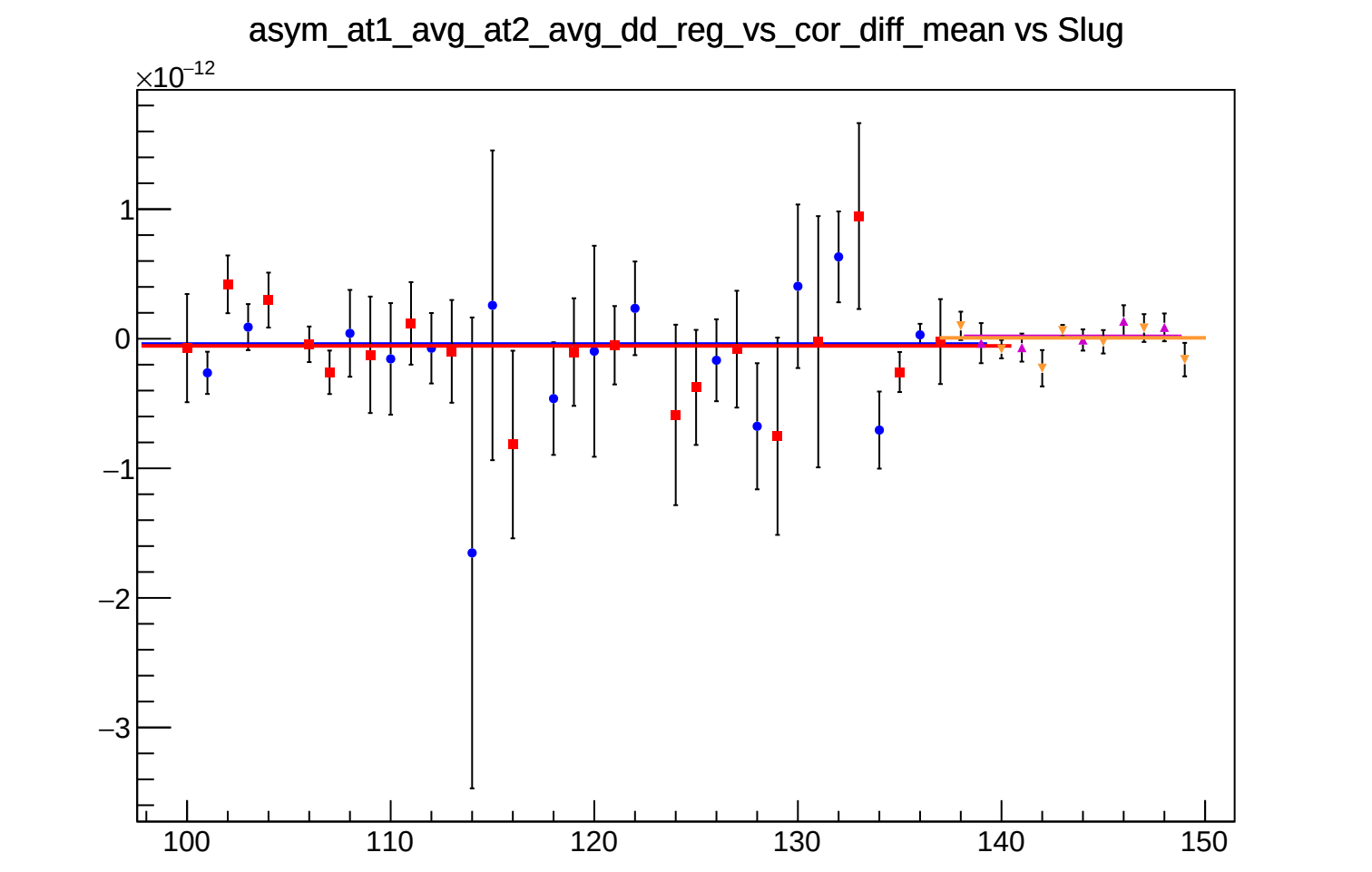
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

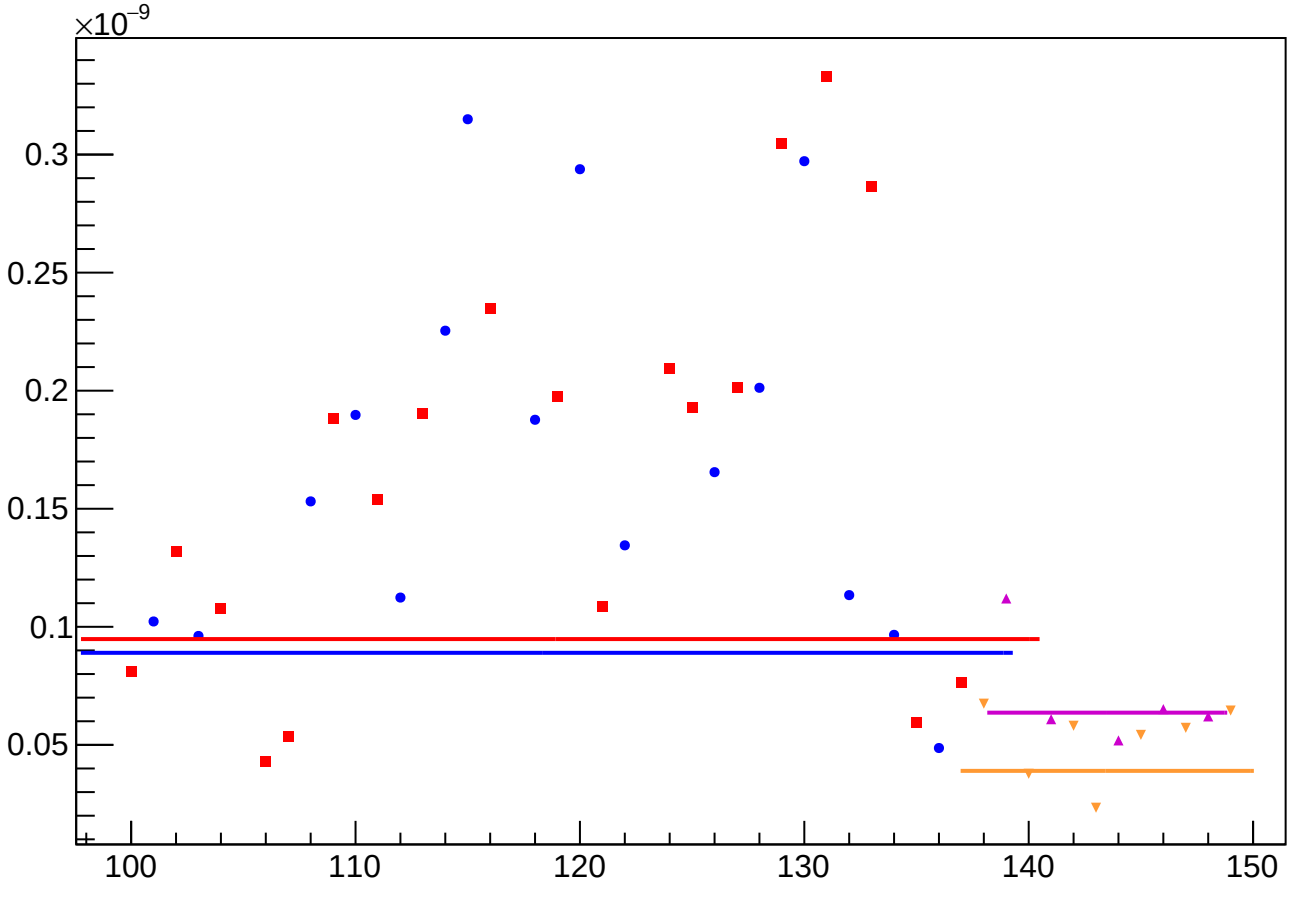
Left In: 3869.530+/-1.316 χ^2/NDF:61772.3/4

\+ sign 3600.337+/-0.731 χ^2/NDF: 767230.5/22

All: 3608.409+/-0.527 χ^2/NDF: 1471183.1/46

\- sign 3617.141+/-0.761 χ^2/NDF: 703698.9/23


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:8.9/6
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: 26.1/22
All: -0.000+/-0.000 χ²/NDF: 45.0/46
- 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:618005.8/6

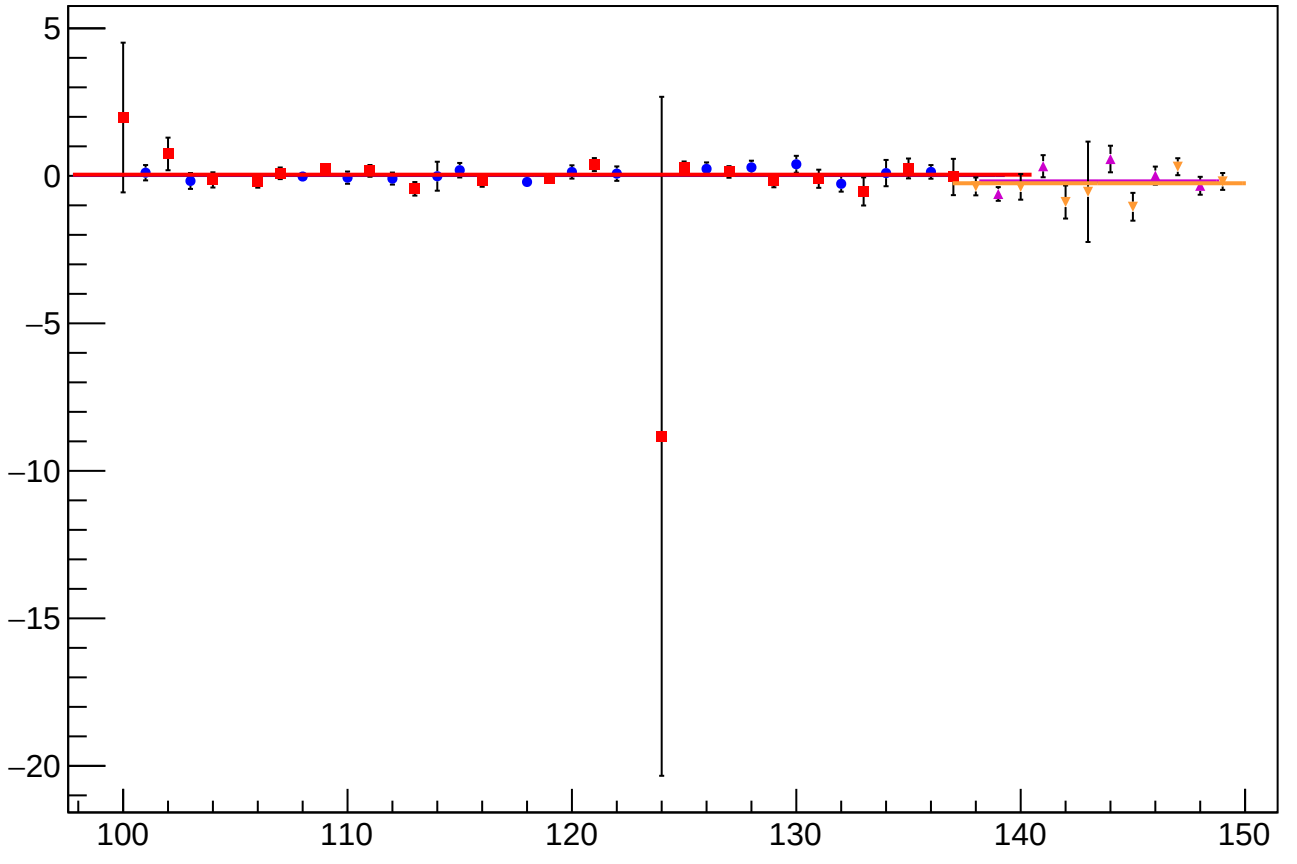
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:238425.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 3221889.1/22

All: 0.000+/-0.000 χ^2/NDF: 6101862.4/46

- 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: -0.251+/-0.144 χ^2/NDF:8.2/6

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

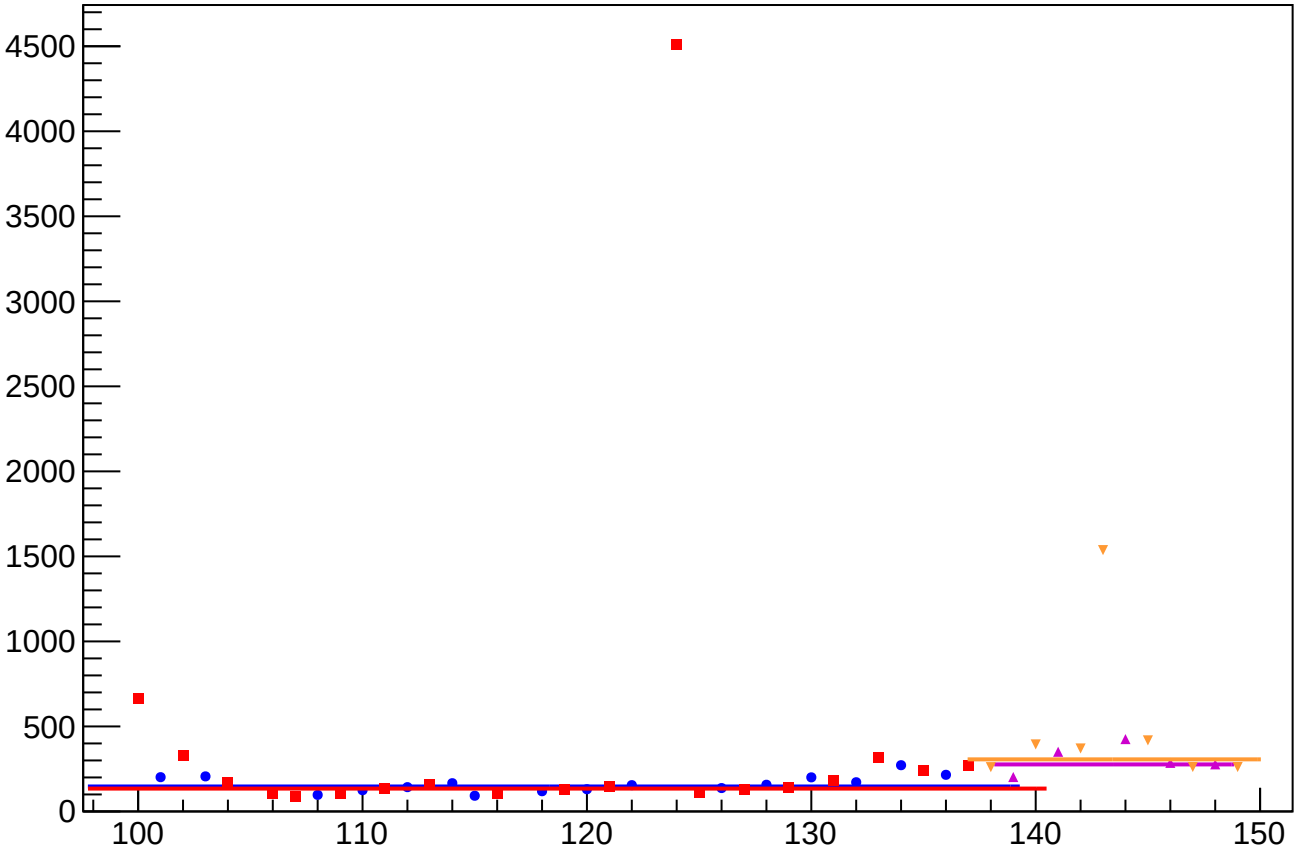
Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.011+/-0.054 χ^2/NDF: 20.9/22

All: -0.001+/-0.037 χ^2/NDF: 52.0/46

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 306.381+/-0.101 χ^2/NDF:1411618.1/6

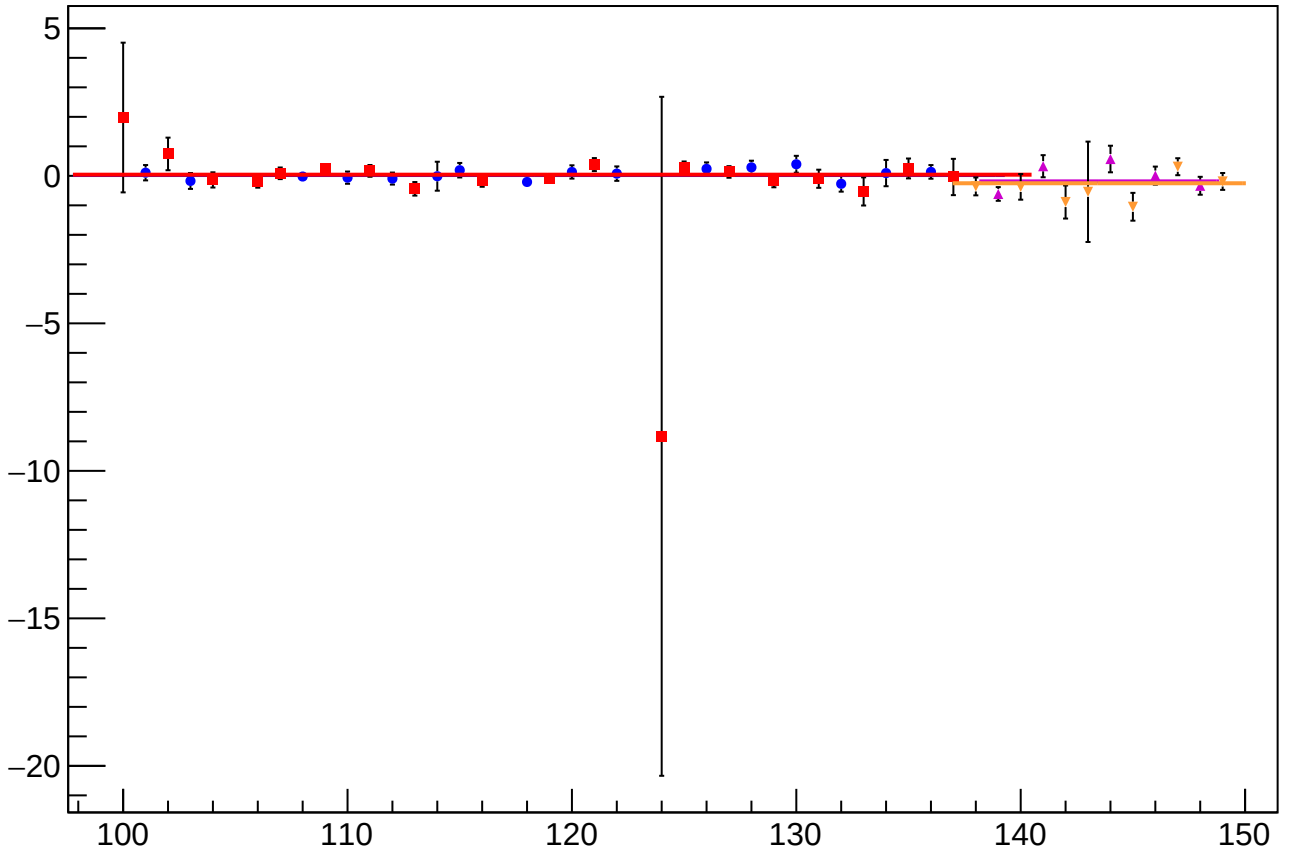
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

+ sign 169.033+/-0.038 χ^2/NDF: 4538343.7/22

All: 160.990+/-0.026 χ^2/NDF: 8551581.5/46

- 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: -0.251+/-0.144 χ^2/NDF:8.2/6

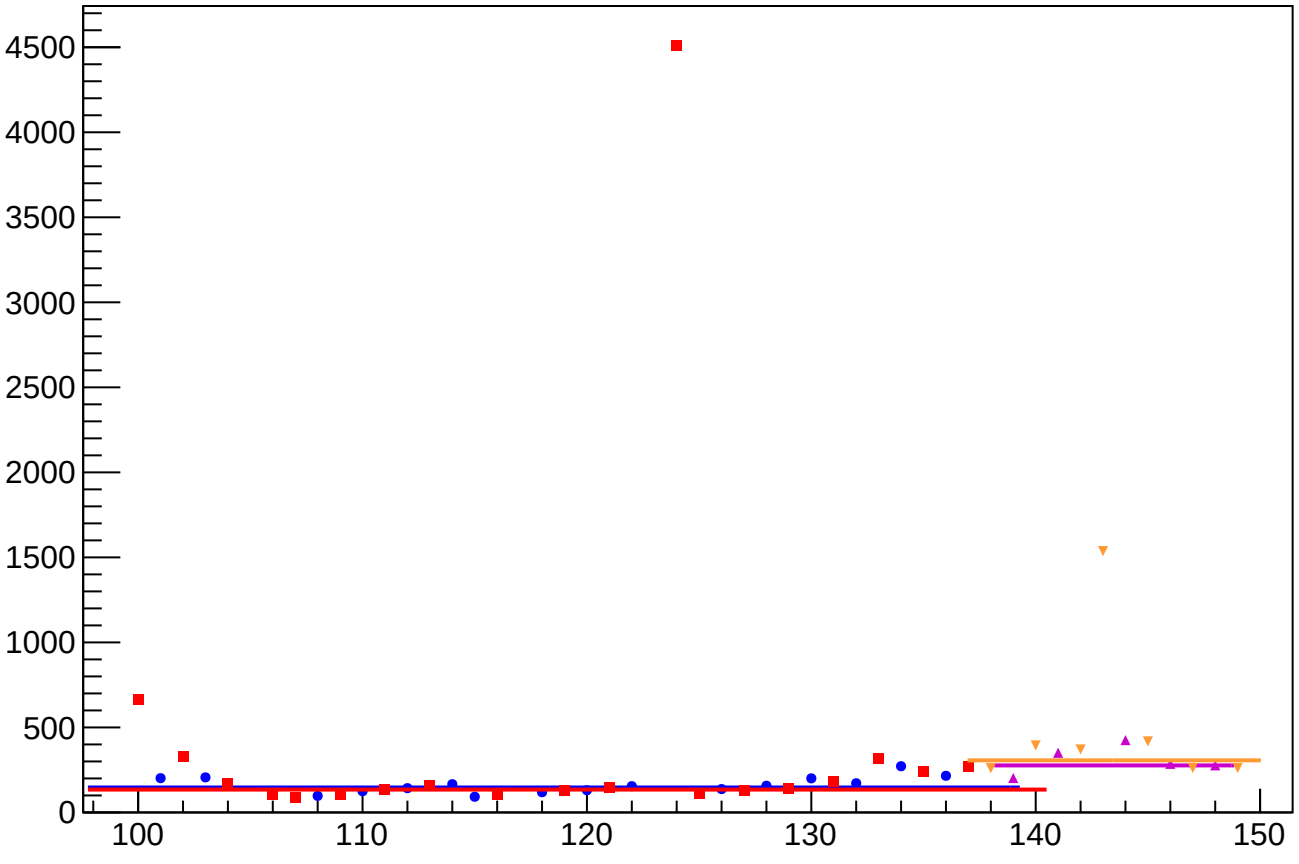
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.011+/-0.054 χ^2/NDF: 20.9/22

All: -0.001+/-0.037 χ^2/NDF: 52.0/46

- 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: 306.381+/-0.101 χ^2/NDF:1411618.1/6

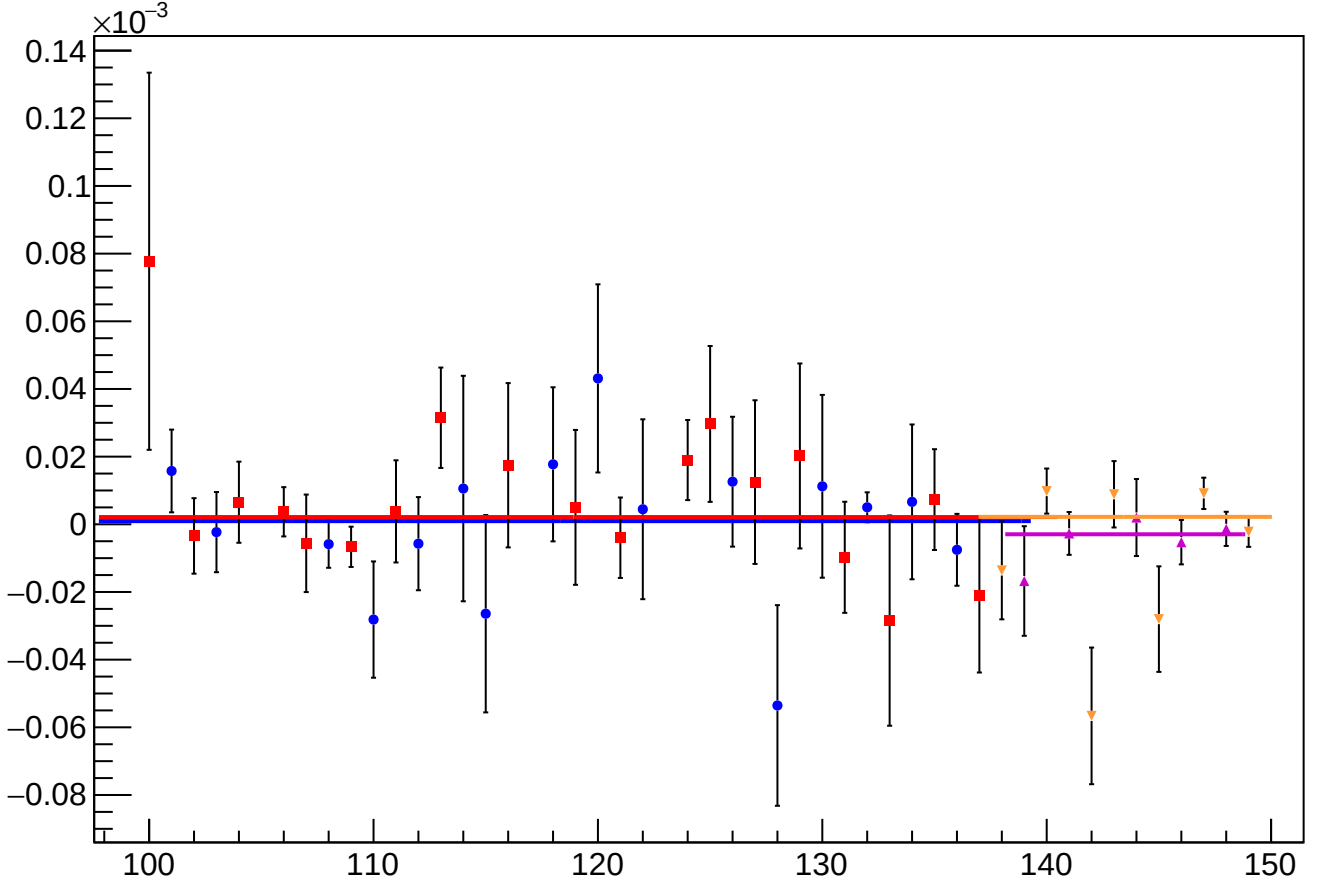
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

+ sign 169.033+/-0.038 χ^2/NDF: 4538343.7/22

All: 160.990+/-0.026 χ^2/NDF: 8551581.5/46

- 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:18.4/6

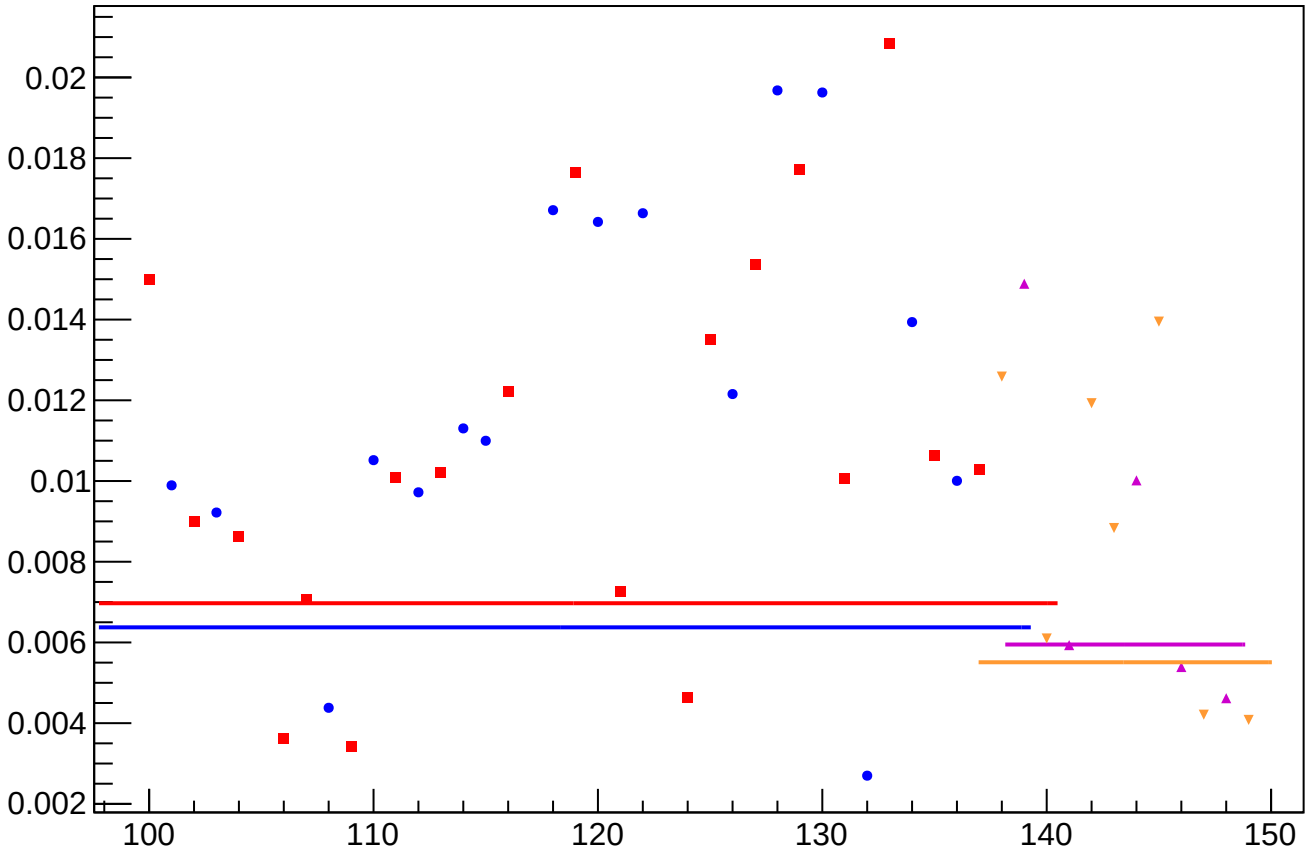
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/22

All: 0.000+/-0.000 χ^2/NDF: 52.4/46

- 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:1875056.5/6

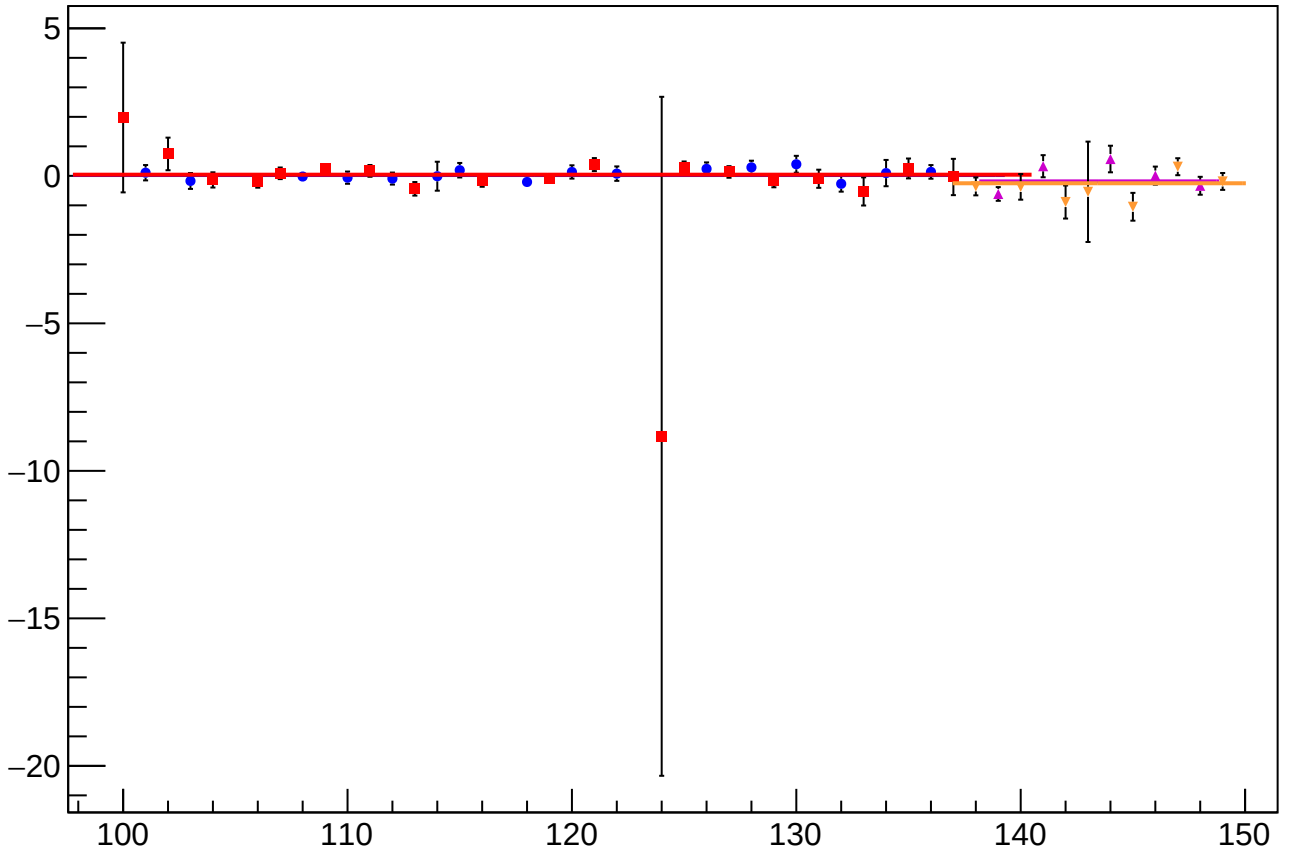
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:1018188.3/4

+ sign 0.006+/-0.000 χ^2/NDF: 6610442.1/22

All: 0.006+/-0.000 χ^2/NDF: 11227072.9/46

- 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: -0.251+/-0.144 χ^2/NDF:8.2/6

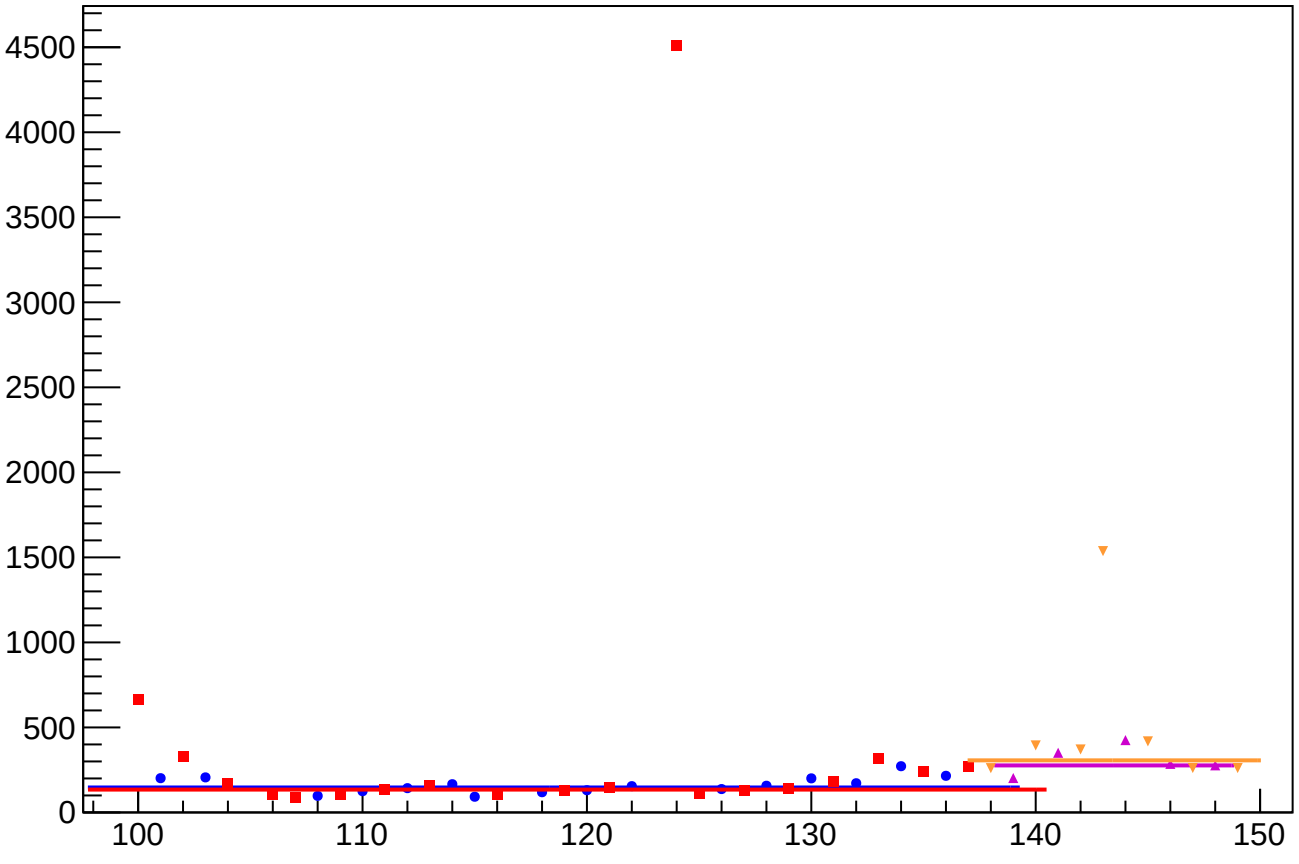
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.011+/-0.054 χ^2/NDF: 20.9/22

All: -0.001+/-0.037 χ^2/NDF: 52.0/46

- 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: 306.384+/-0.101 χ^2/NDF:1411616.6/6

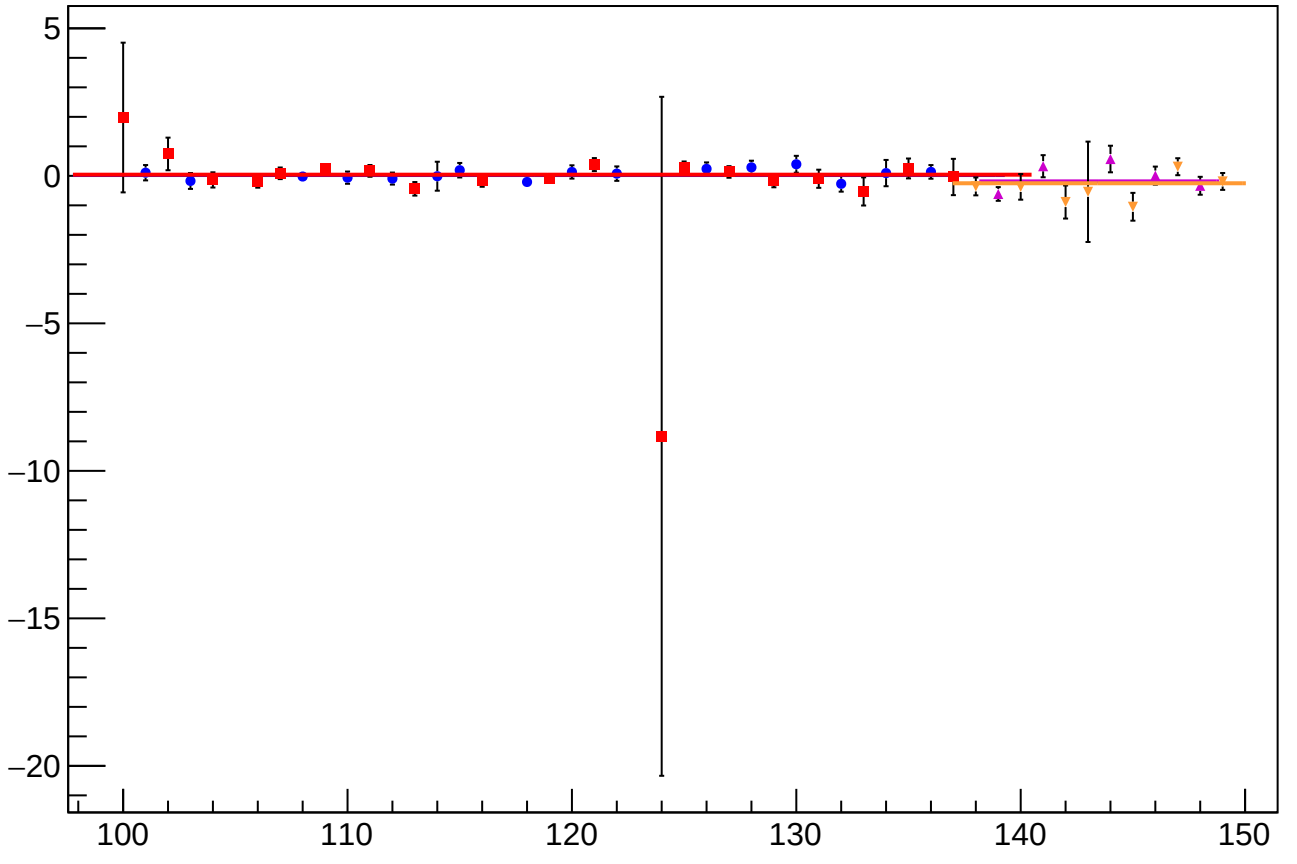
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

+ sign 169.033+/-0.038 χ^2/NDF: 4538336.9/22

All: 160.991+/-0.026 χ^2/NDF: 8551493.3/46

- 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: -0.251+/-0.144 χ^2/NDF:8.2/6

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

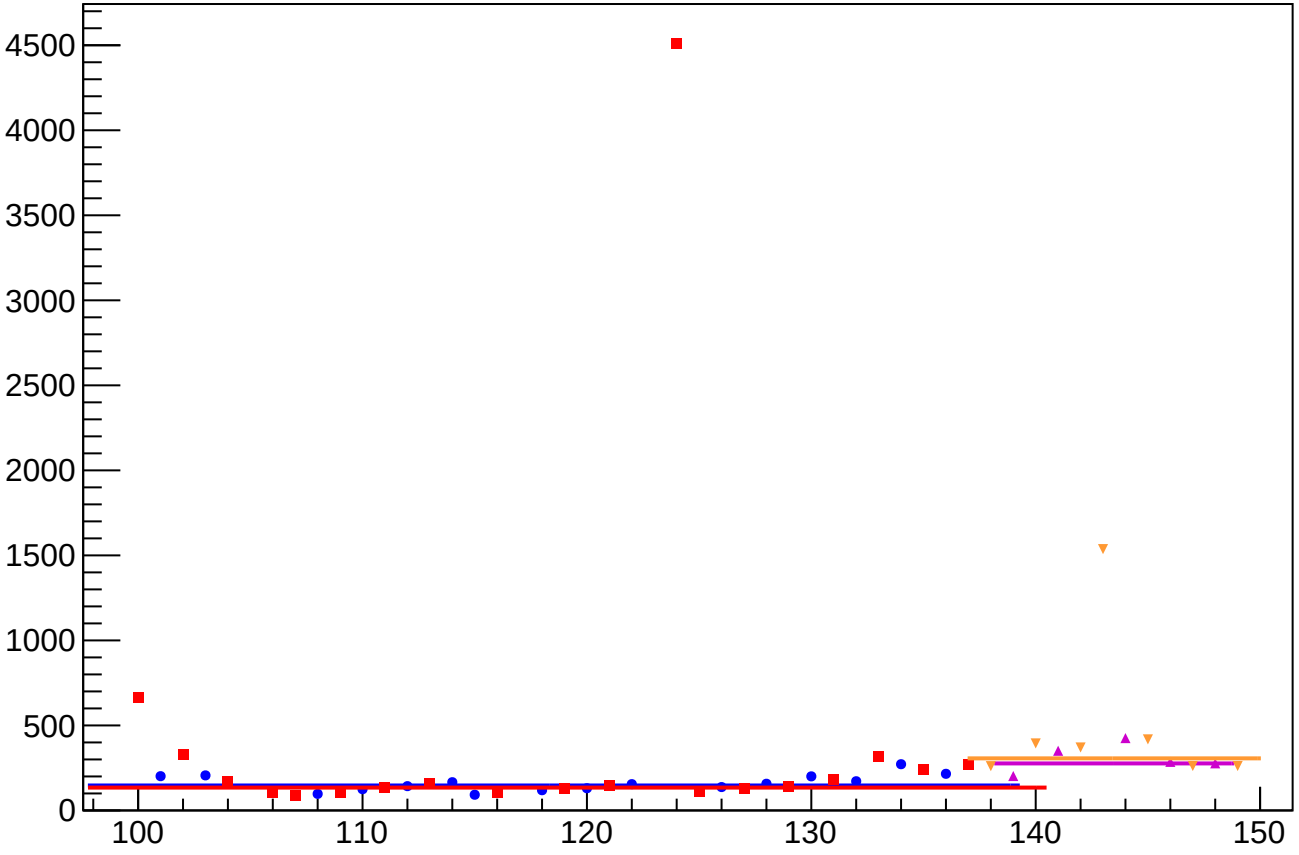
Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.011+/-0.054 χ^2/NDF: 20.9/22

All: -0.001+/-0.037 χ^2/NDF: 52.0/46

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 306.384+/-0.101 χ^2/NDF:1411616.6/6

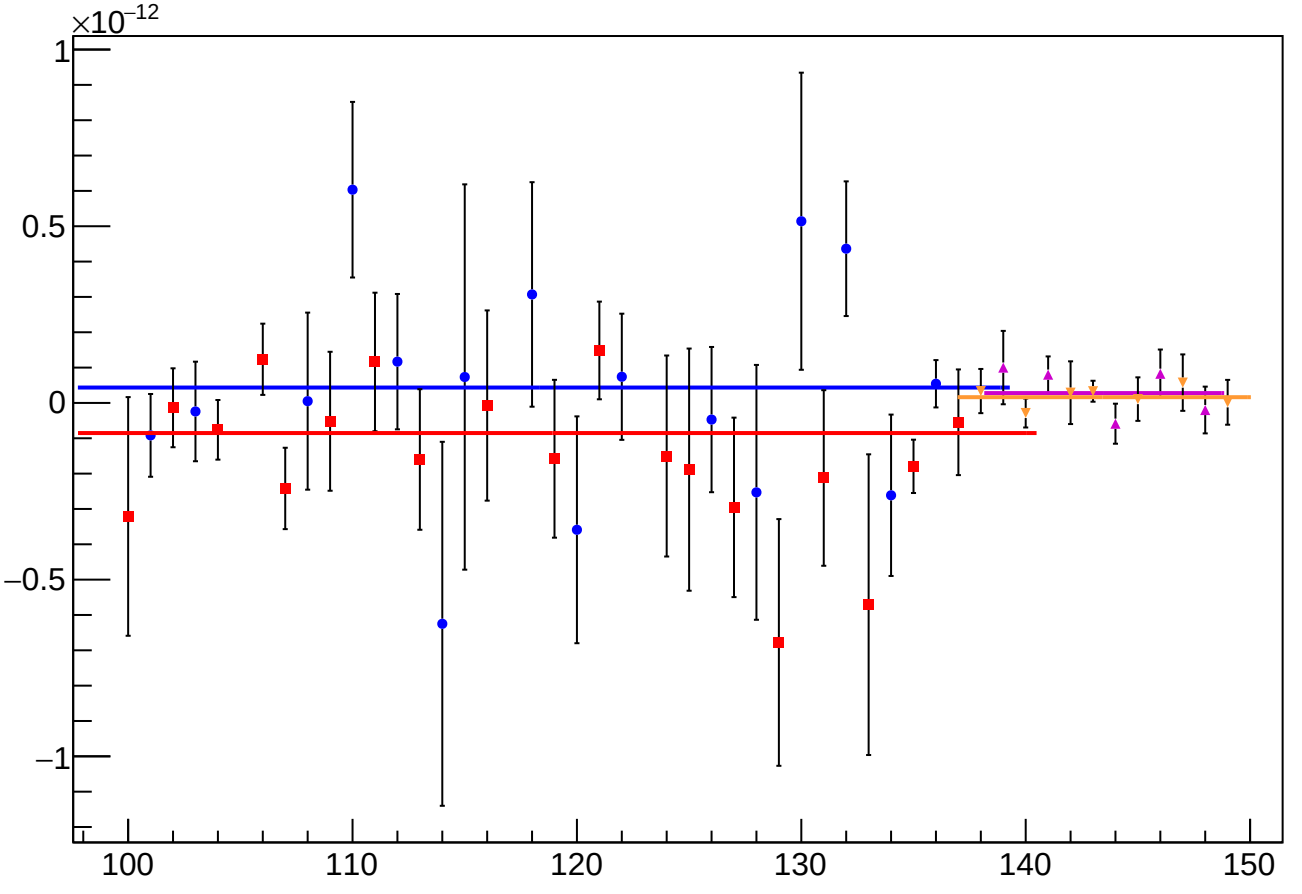
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

+ sign 169.033+/-0.038 χ^2/NDF: 4538336.9/22

All: 160.991+/-0.026 χ^2/NDF: 8551493.3/46

- 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:1.9/6

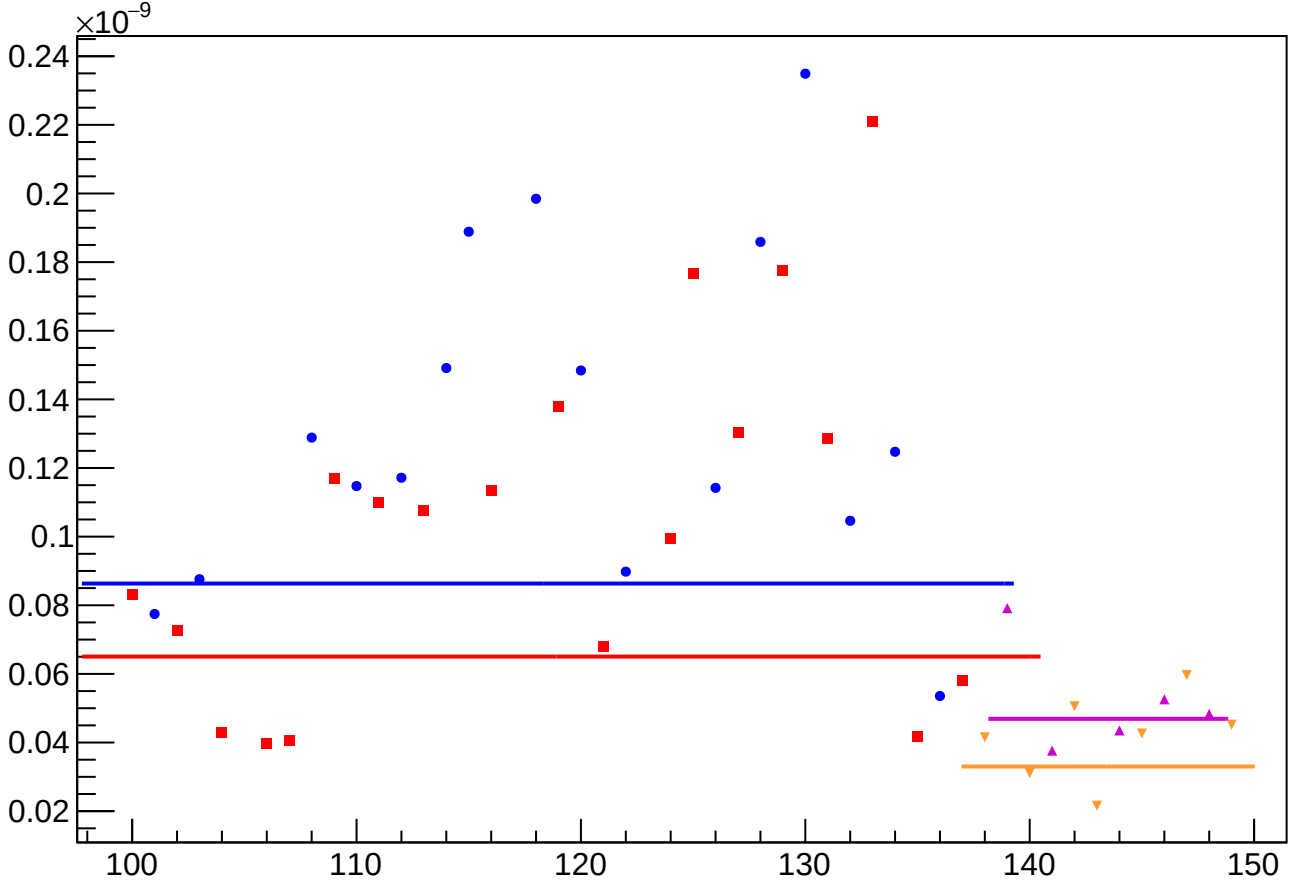
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/22

All: 0.000+/-0.000 χ^2/NDF: 52.9/46

- 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:762500.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

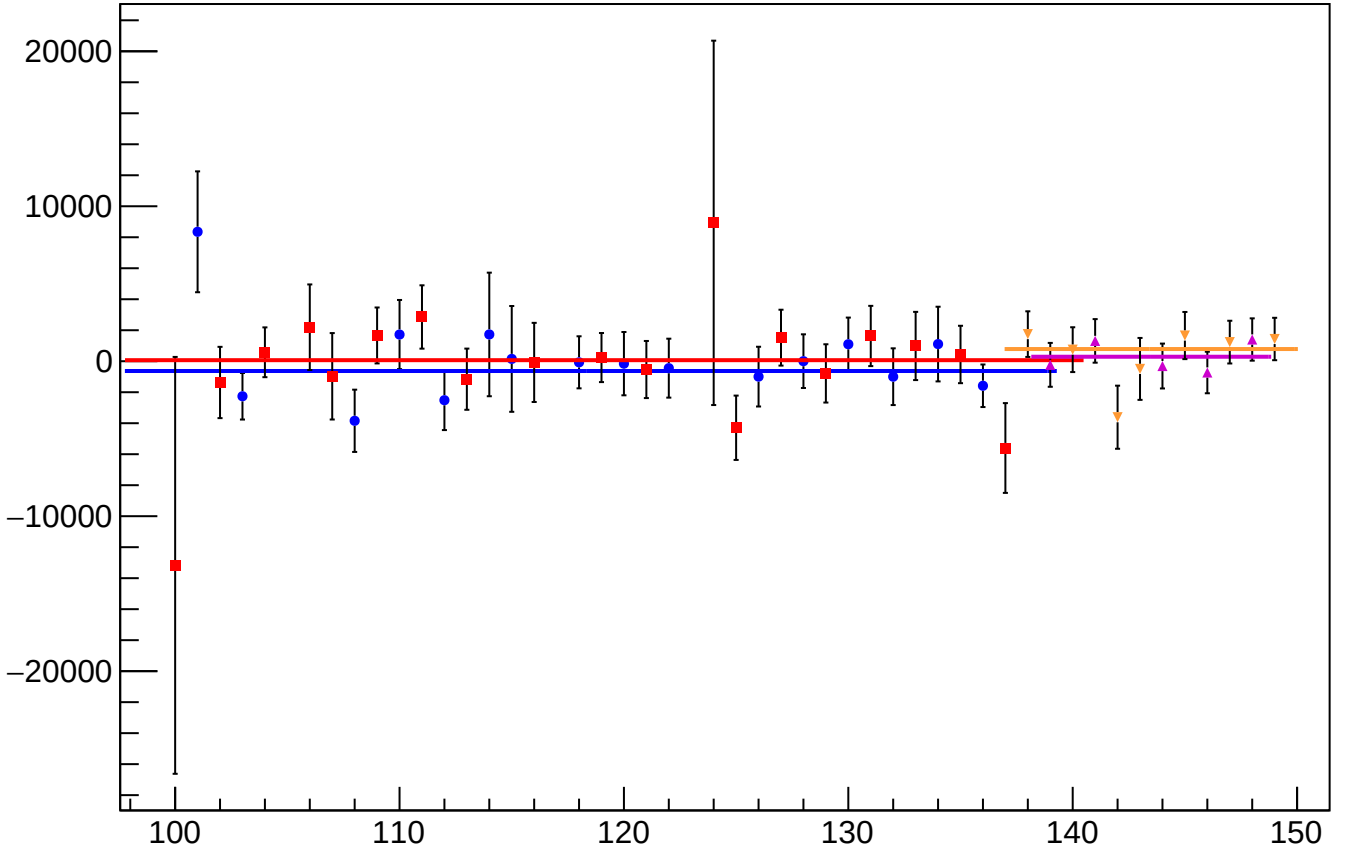
Left In: 0.000+/-0.000 χ^2/NDF:279488.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 4930037.4/22

All: 0.000+/-0.000 χ^2/NDF: 8105496.8/46

- 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: 786.631+/-584.802 χ^2/NDF:6.2/6

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

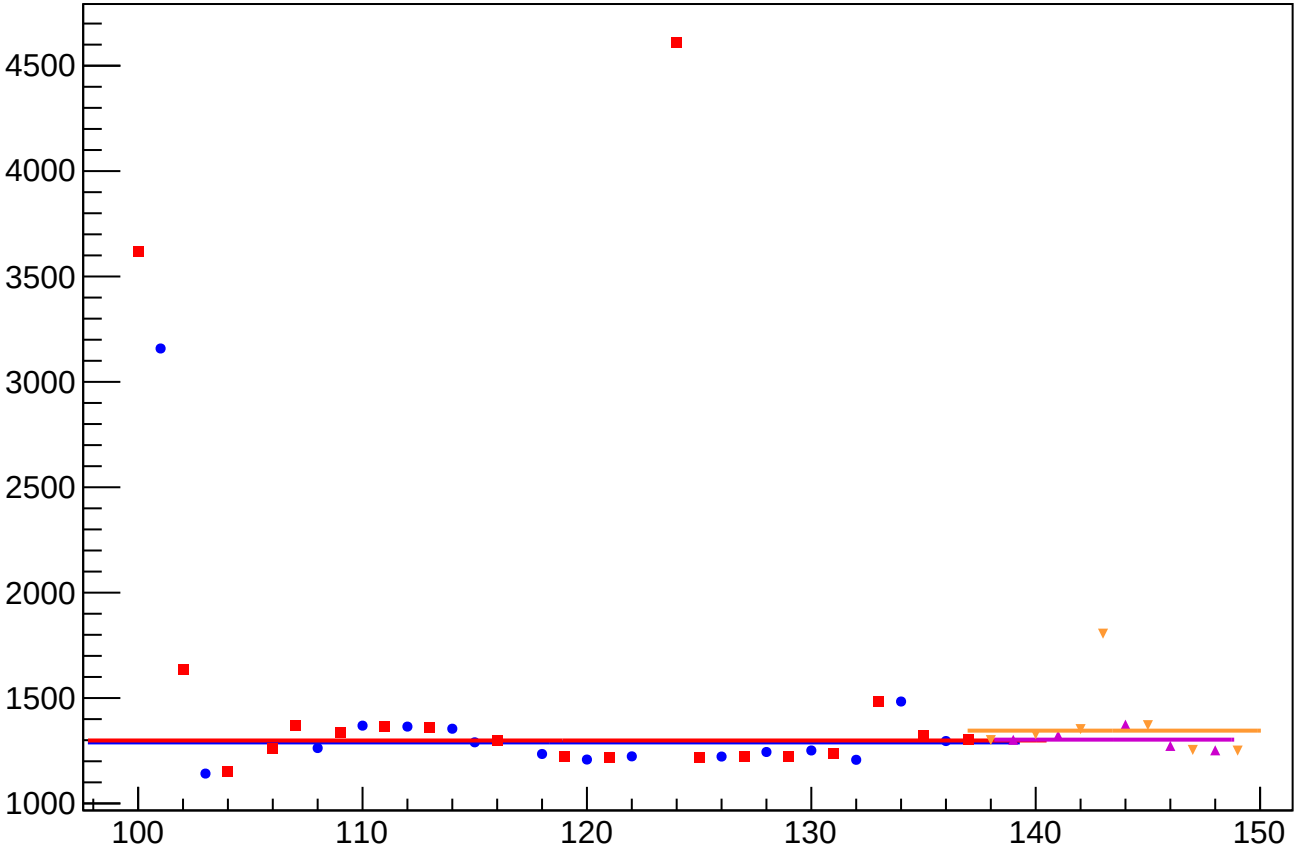
Left In: 290.048+/-623.108 χ^2/NDF:2.1/4

+ sign -48.162+/-374.982 χ^2/NDF: 23.5/22

All: 49.590+/-268.311 χ^2/NDF: 41.7/46

- 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: 1345.381+/-0.414 χ^2/NDF:127146.3/6

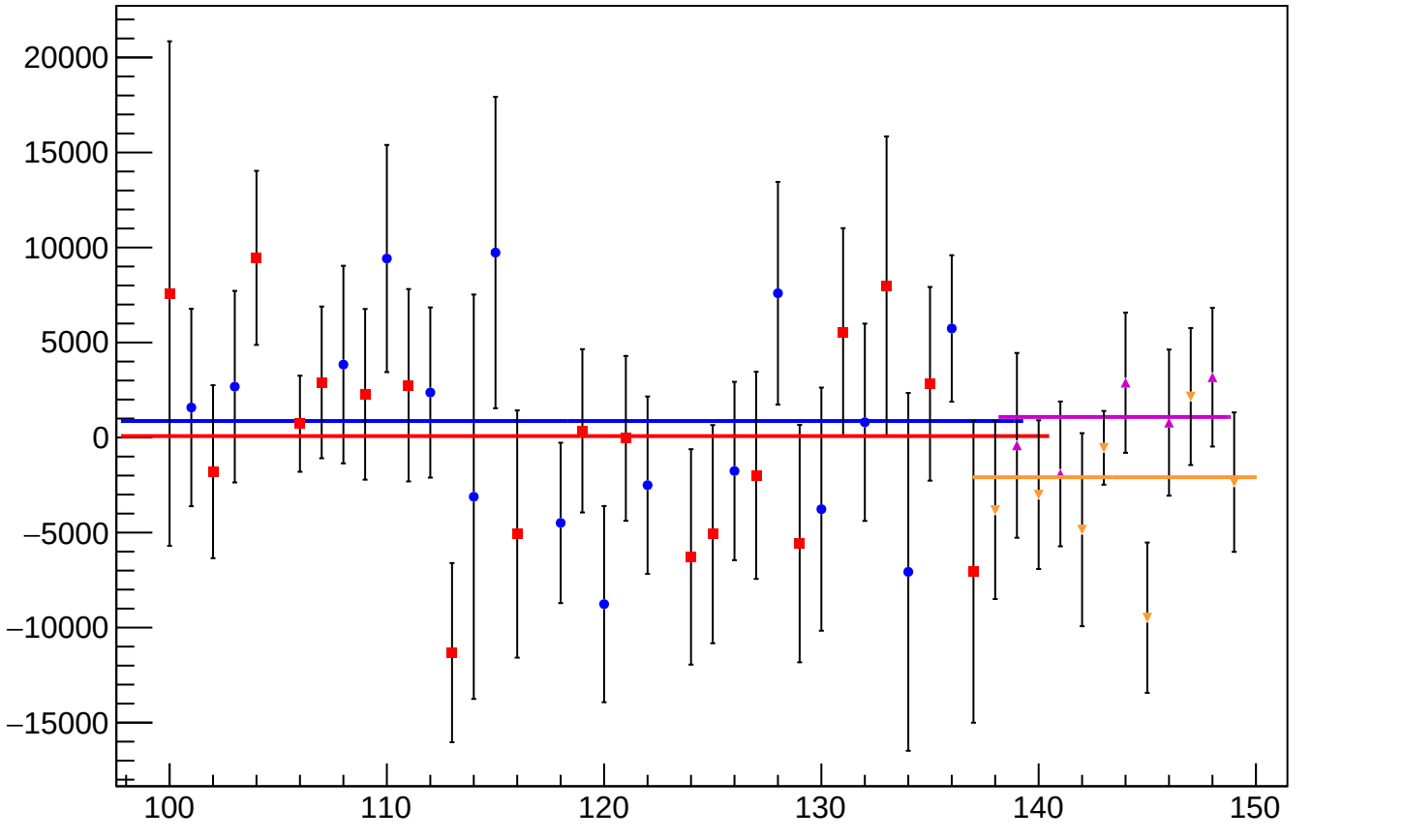
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1312.456+/-0.265 χ^2/NDF: 652587.7/22

All: 1306.449+/-0.190 χ^2/NDF: 982026.0/46

- 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: -2087.238+/-1259.002 χ^2/NDF:6.0/6

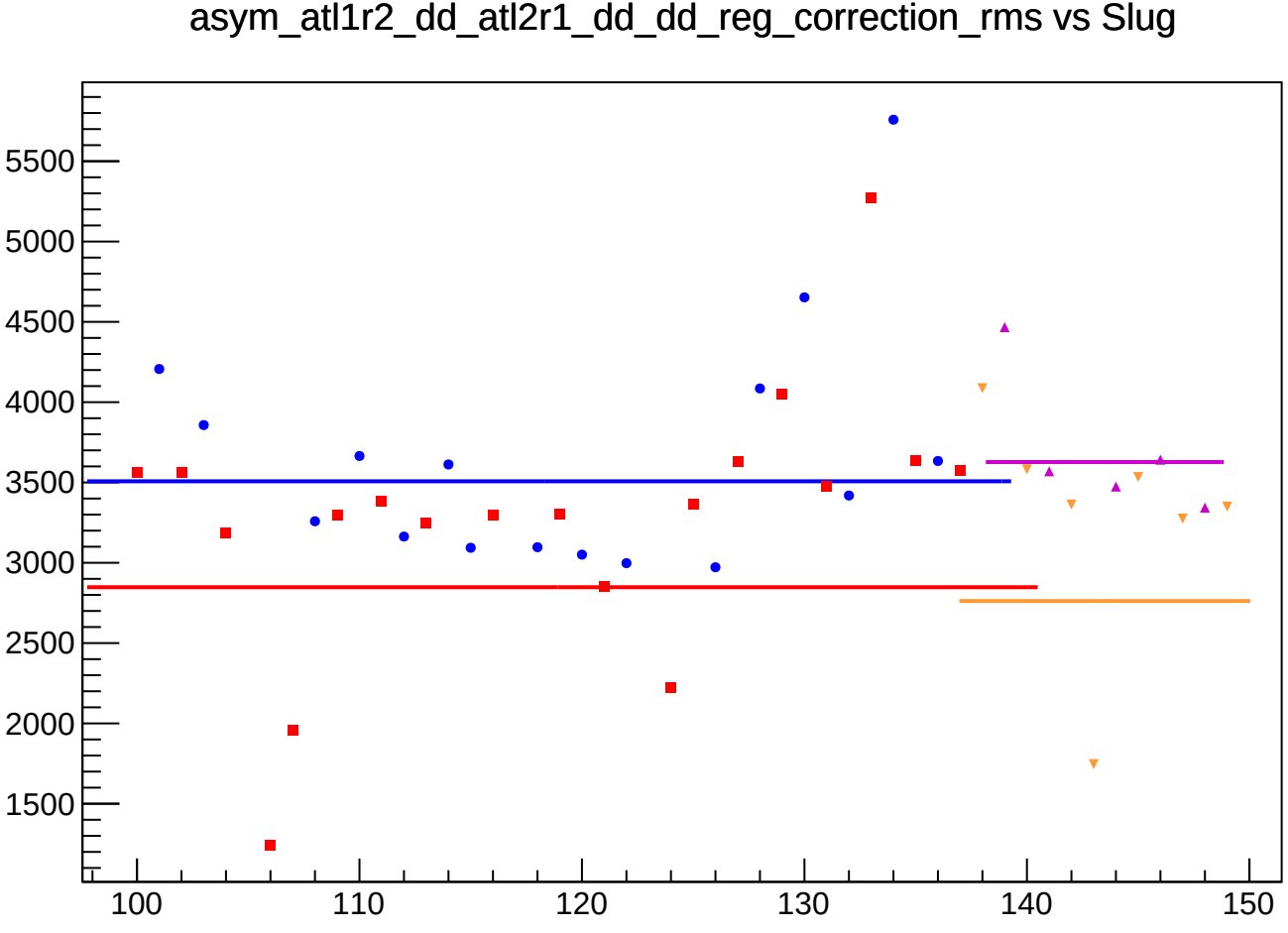
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1083.518+/-1747.502 χ^2/NDF:1.3/4

+ sign -684.271+/-912.780 χ^2/NDF: 22.7/22

All: -172.746+/-654.034 χ^2/NDF: 43.2/46

- sign 366.983+/-937.607 χ^2/NDF: 19.9/23



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2761.911+/-0.890 χ^2/NDF:993241.5/6

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

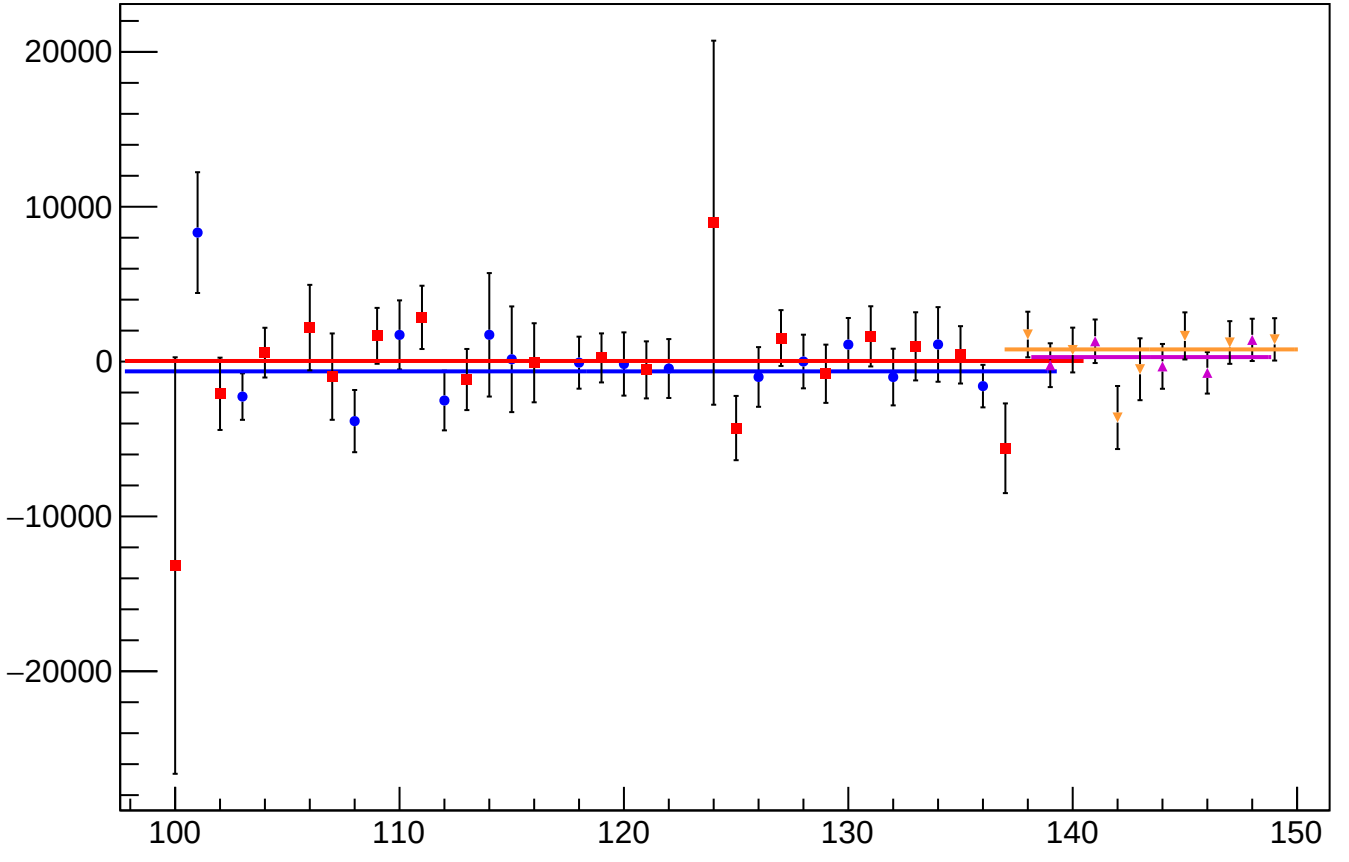
Left In: 3627.290+/-1.236 χ^2/NDF:75704.1/4

+ sign 3115.548+/-0.645 χ^2/NDF: 1679860.9/22

All: 3094.465+/-0.462 χ^2/NDF: 3540488.6/46

- sign 3072.220+/-0.663 χ^2/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: 786.523+/-584.802 χ^2/NDF:6.2/6

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

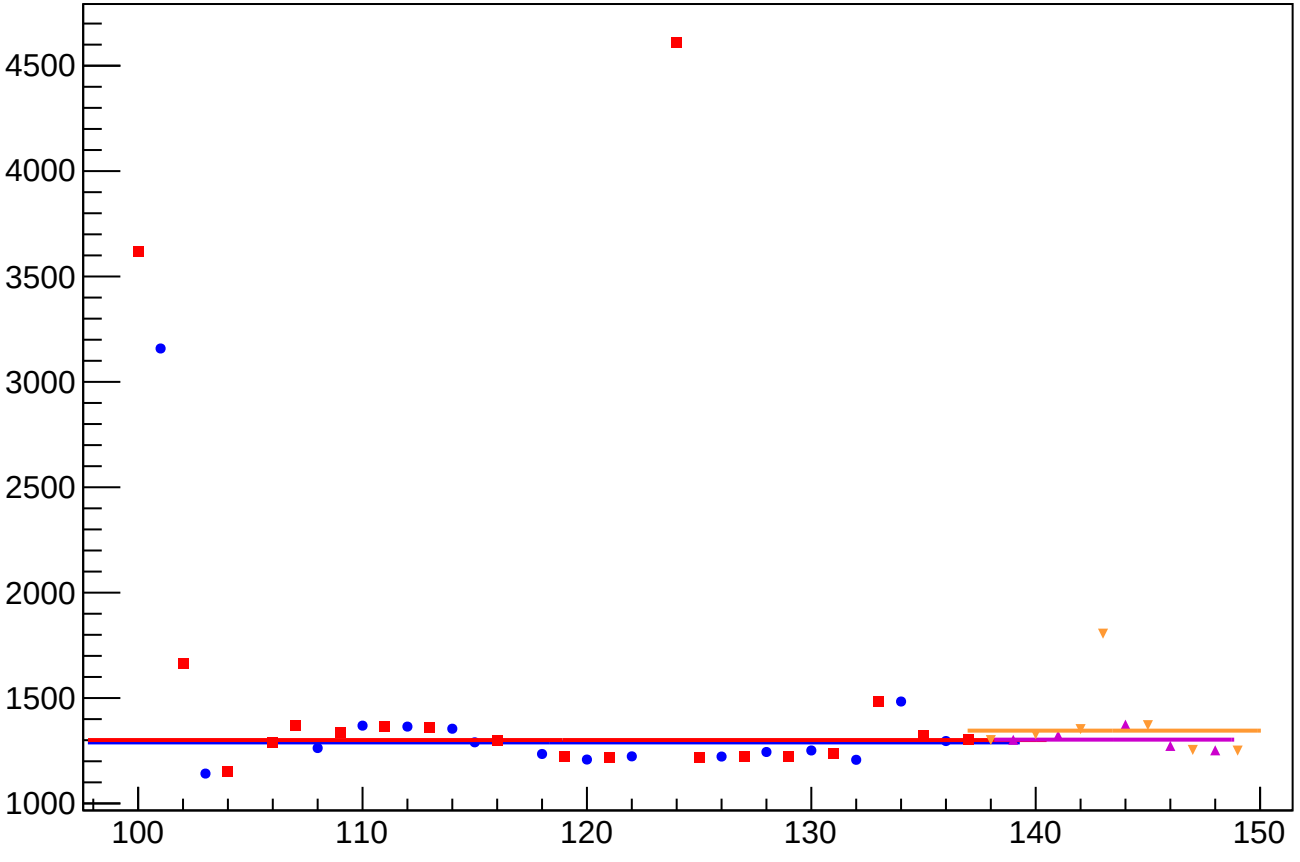
Left In: 290.063+/-623.108 χ^2/NDF:2.1/4

+ sign -48.433+/-374.982 χ^2/NDF: 23.5/22

All: 40.674+/-268.365 χ^2/NDF: 42.1/46

- 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: 1345.381+/-0.414 χ^2/NDF:127146.3/6

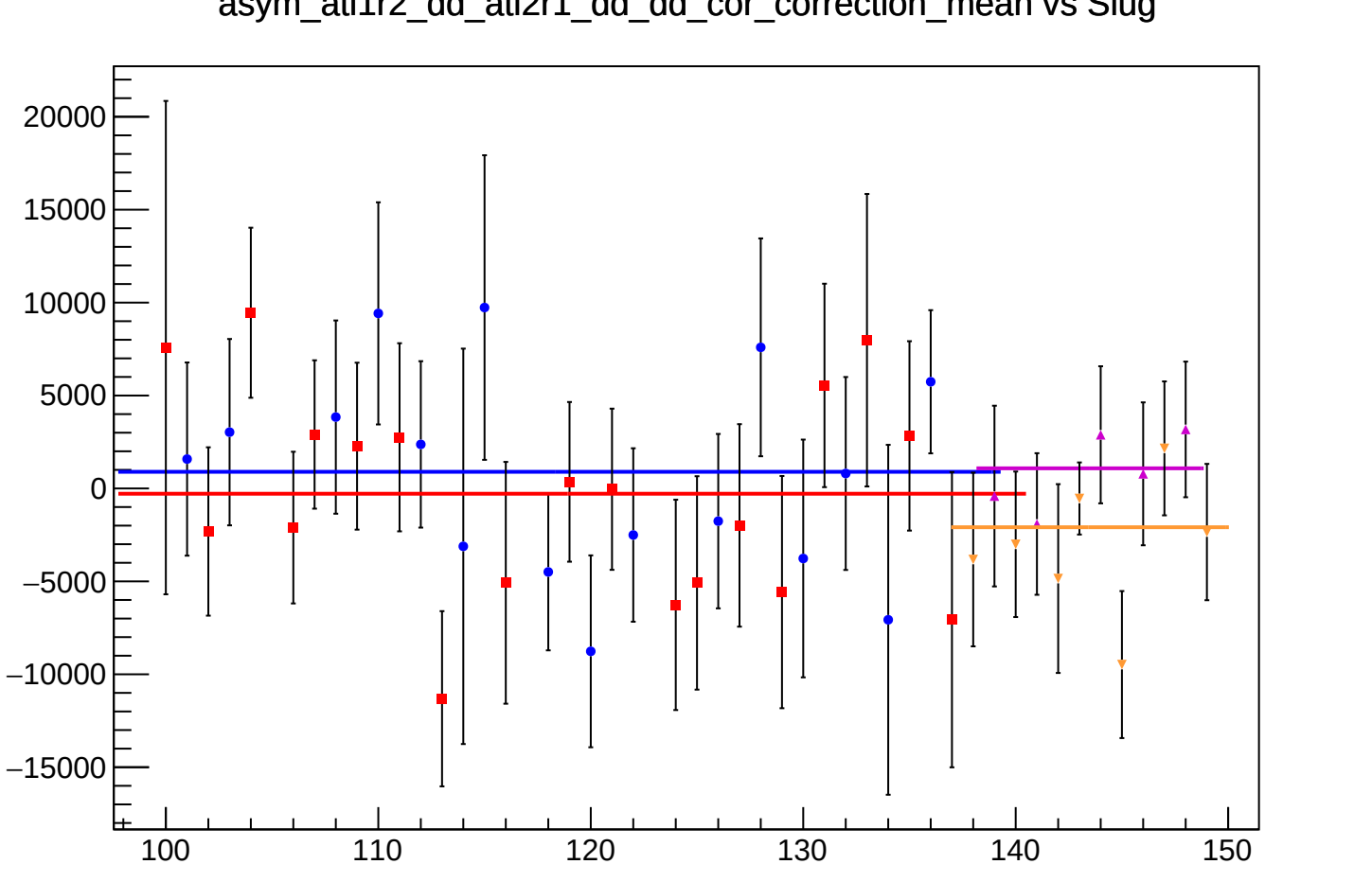
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

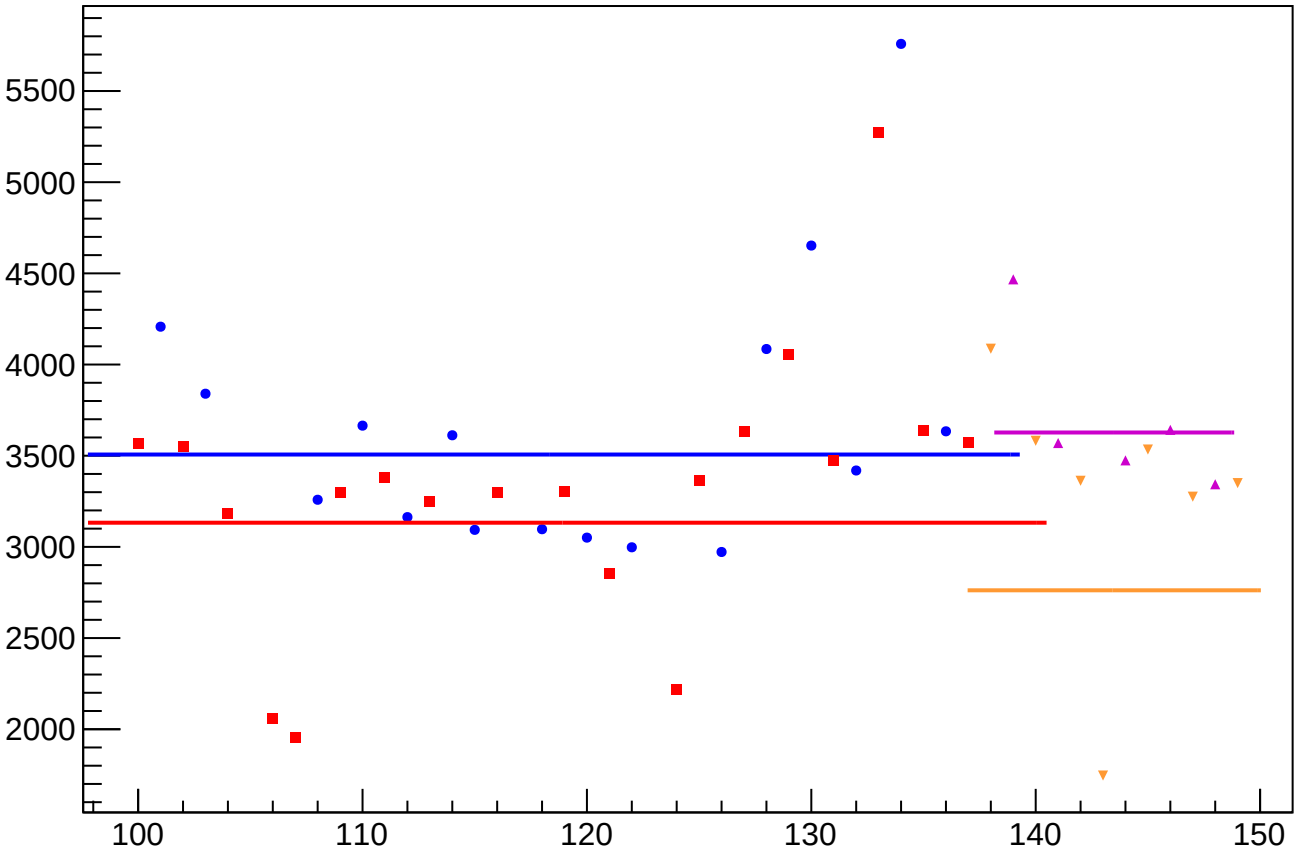
Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1312.456+/-0.265 χ^2/NDF: 652589.2/22

All: 1307.070+/-0.190 χ^2/NDF: 988316.4/46

- sign 1301.429+/-0.271 χ^2/NDF: 334882.5/23


asym_atl1r2_dd_atl2r1_dd_dd_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: -2087.137+/-1258.998 χ²/NDF:6.0/6
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1083.517+/-1747.501 χ²/NDF:1.3/4
+ sign -671.510+/-912.629 χ²/NDF: 22.8/22
All: -291.767+/-667.790 χ²/NDF: 43.5/46
- sign 145.870+/-979.731 χ²/NDF: 20.3/23



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2761.900+/-0.890 χ^2/NDF:993256.0/6

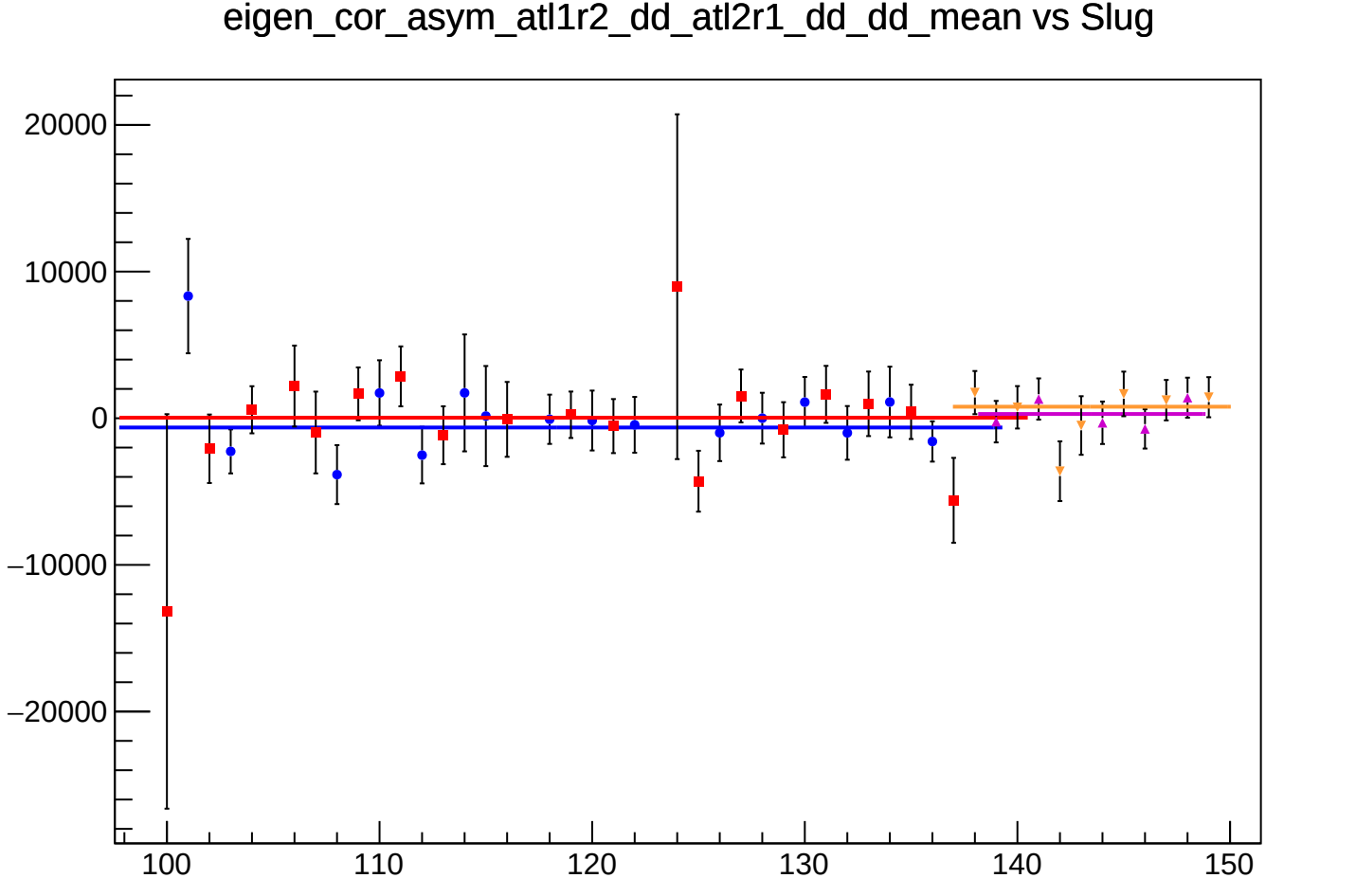
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

\+ sign 3115.235+/-0.645 χ^2/NDF: 1678450.4/22

All: 3195.538+/-0.472 χ^2/NDF: 2546994.5/46

\- 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: 786.523+/-584.802 χ^2/NDF:6.2/6

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

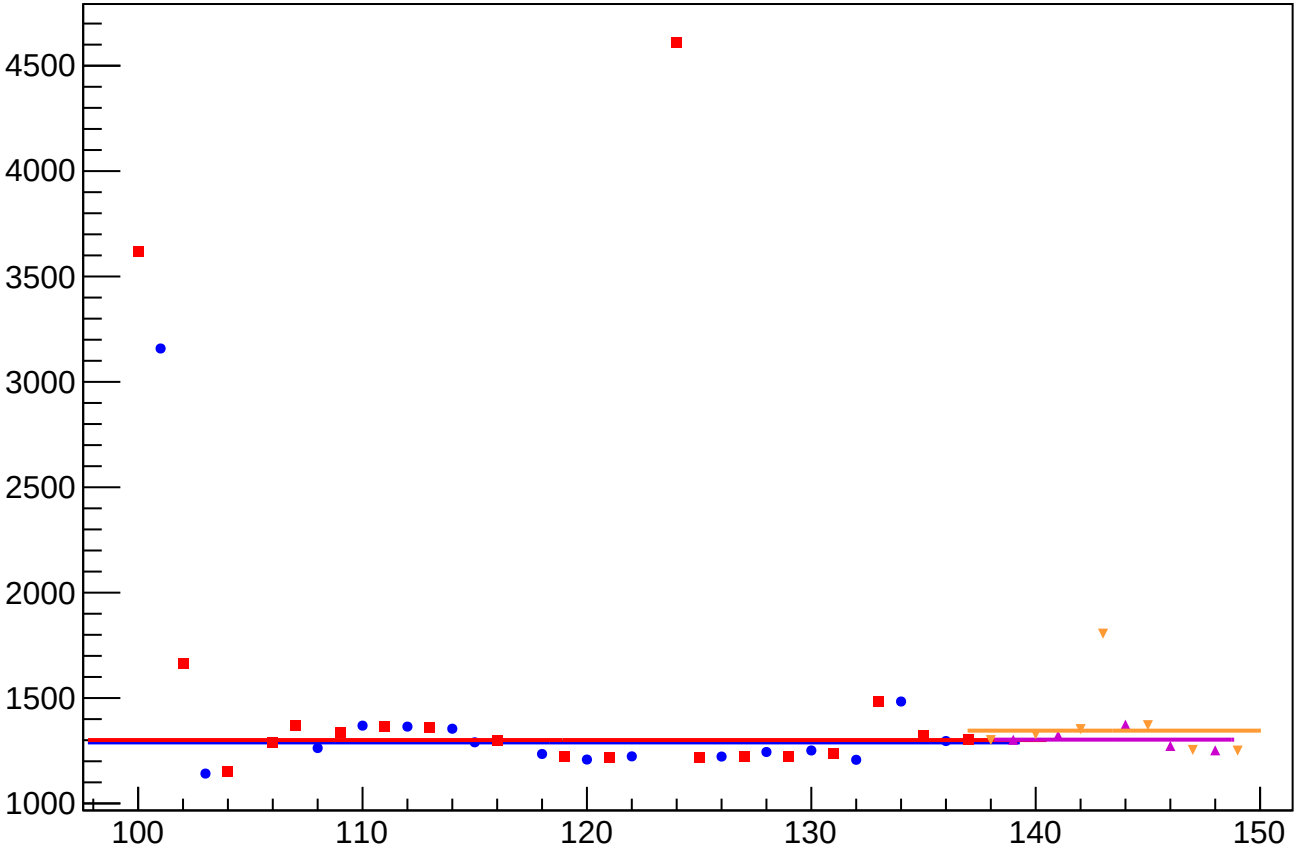
Left In: 290.063+/-623.108 χ^2/NDF:2.1/4

+ sign -48.433+/-374.982 χ^2/NDF: 23.5/22

All: 40.674+/-268.365 χ^2/NDF: 42.1/46

- 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: 1345.381+/-0.414 χ^2/NDF:127146.3/6

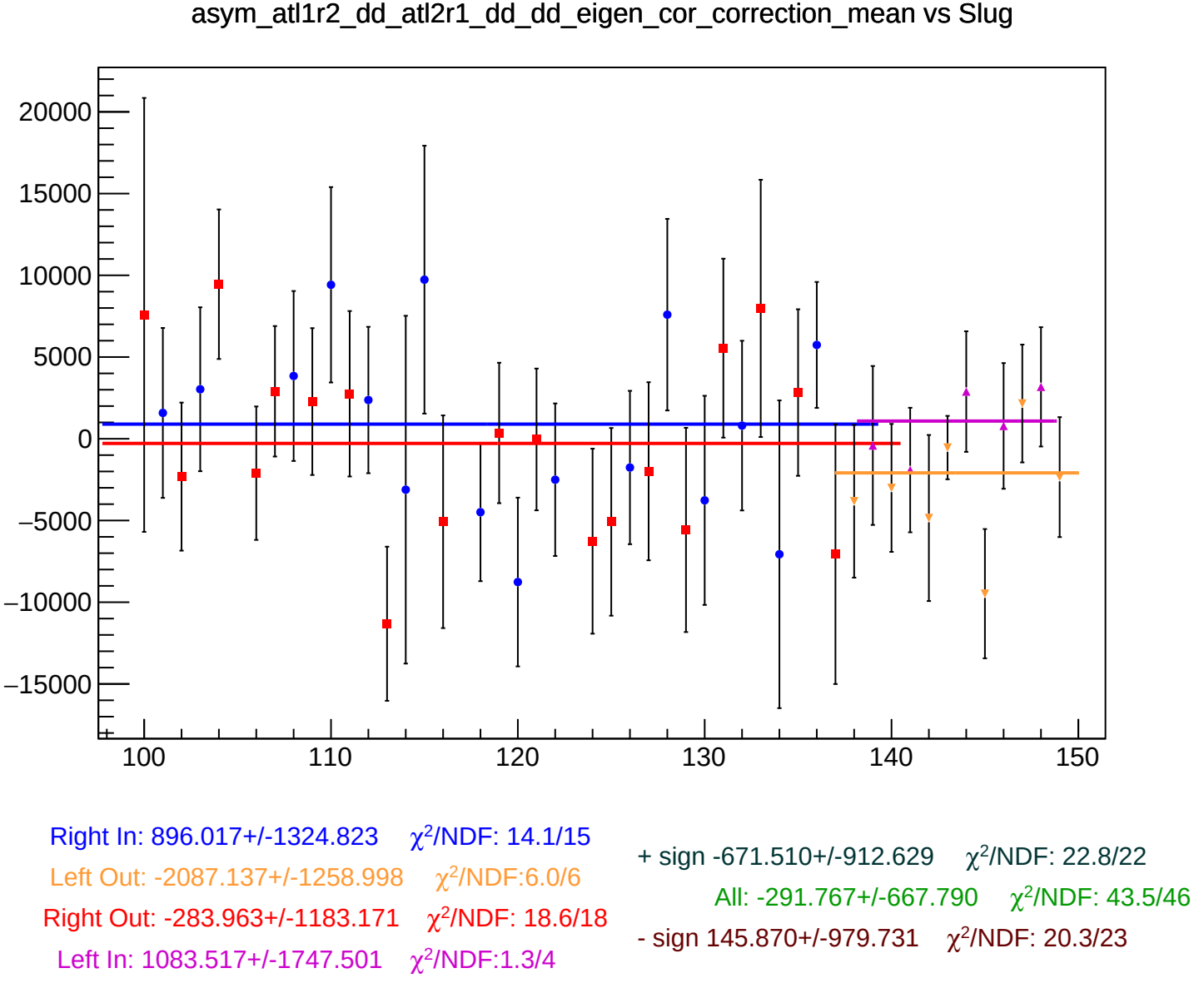
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

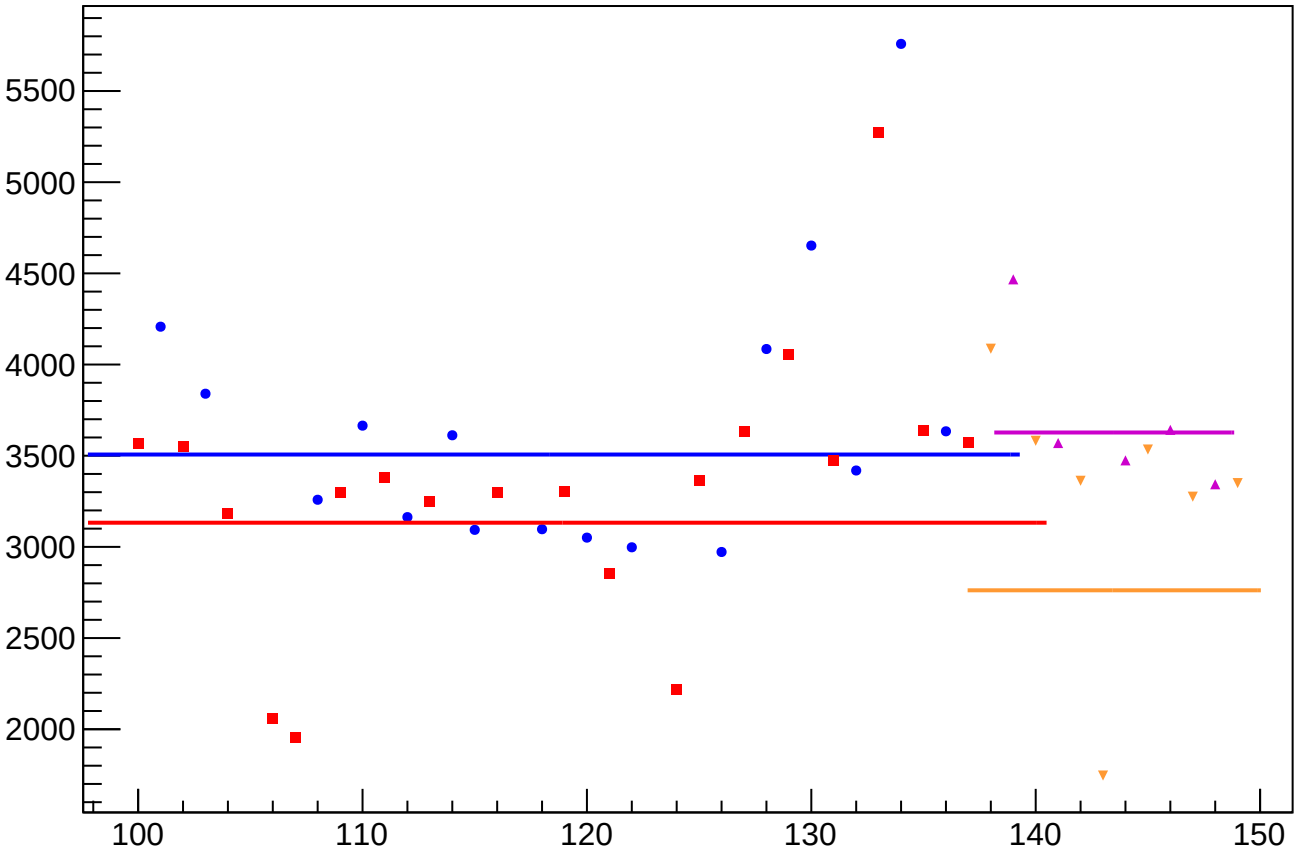
Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

+ sign 1312.456+/-0.265 χ^2/NDF: 652589.2/22

All: 1307.070+/-0.190 χ^2/NDF: 988316.4/46

- 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: -2087.137+/-1258.998 χ²/NDF:6.0/6
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1083.517+/-1747.501 χ²/NDF:1.3/4
+ sign -671.510+/-912.629 χ²/NDF: 22.8/22
All: -291.767+/-667.790 χ²/NDF: 43.5/46
- sign 145.870+/-979.731 χ²/NDF: 20.3/23



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2761.900+/-0.890 χ^2/NDF:993256.0/6

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

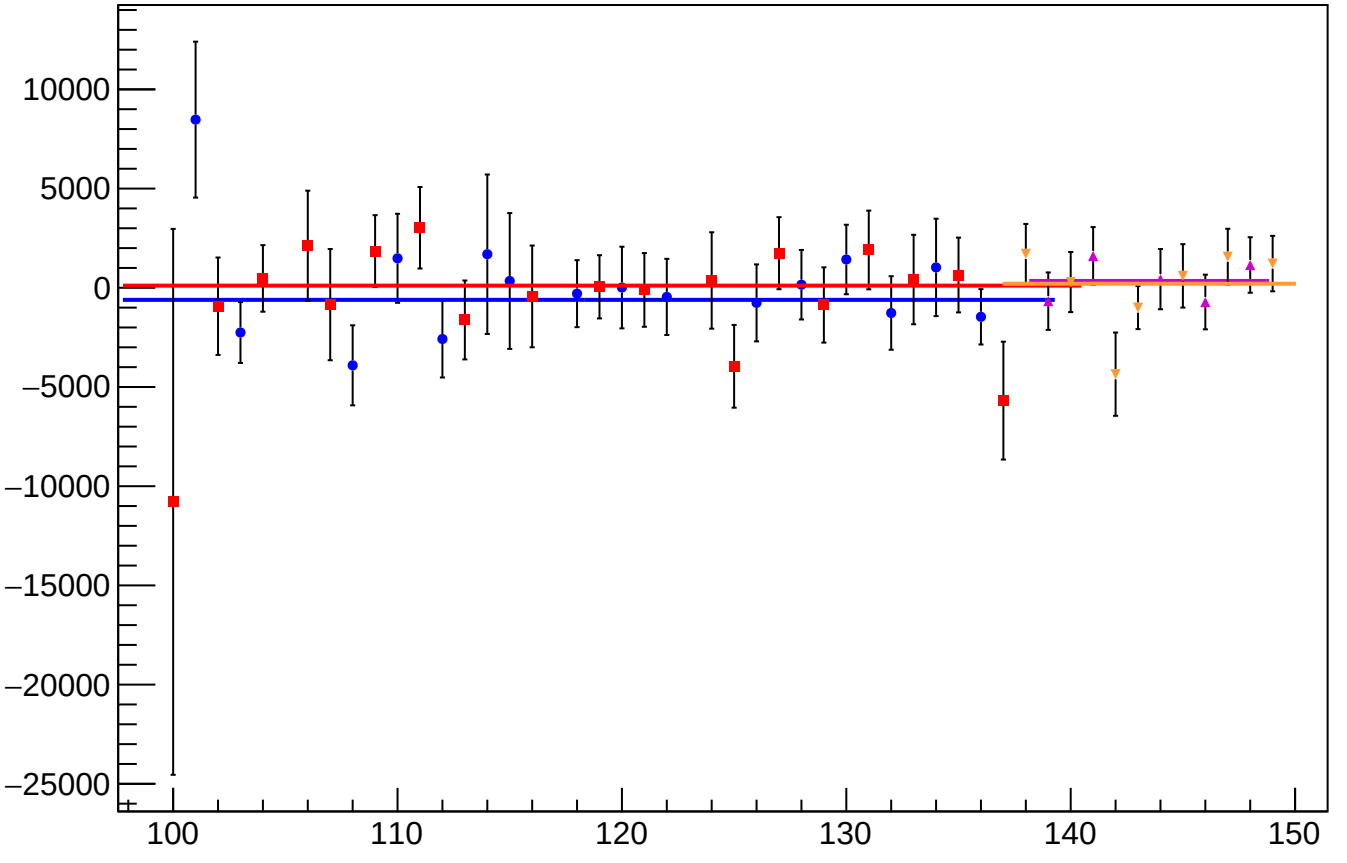
Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

\+ sign 3115.235+/-0.645 χ^2/NDF: 1678450.4/22

All: 3195.538+/-0.472 χ^2/NDF: 2546994.5/46

\- sign 3288.084+/-0.693 χ^2/NDF: 835213.8/23

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 204.117+/-545.569 χ^2/NDF:8.5/6

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

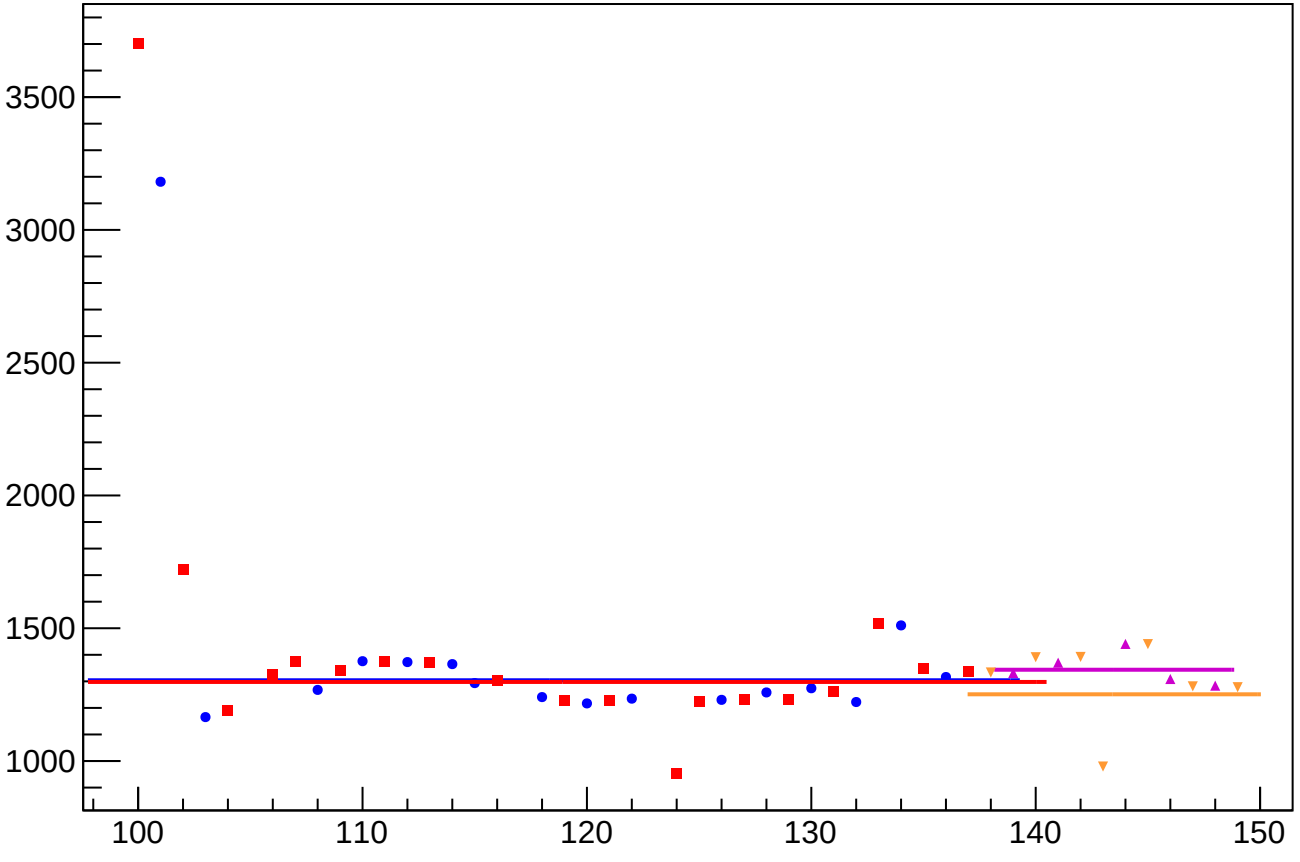
Left In: 344.307+/-643.028 χ^2/NDF:2.2/4

+ sign -241.888+/-366.262 χ^2/NDF: 23.8/22

All: -36.115+/-266.175 χ^2/NDF: 41.6/46

- 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: 1251.266+/-0.386 χ^2/NDF:187430.1/6

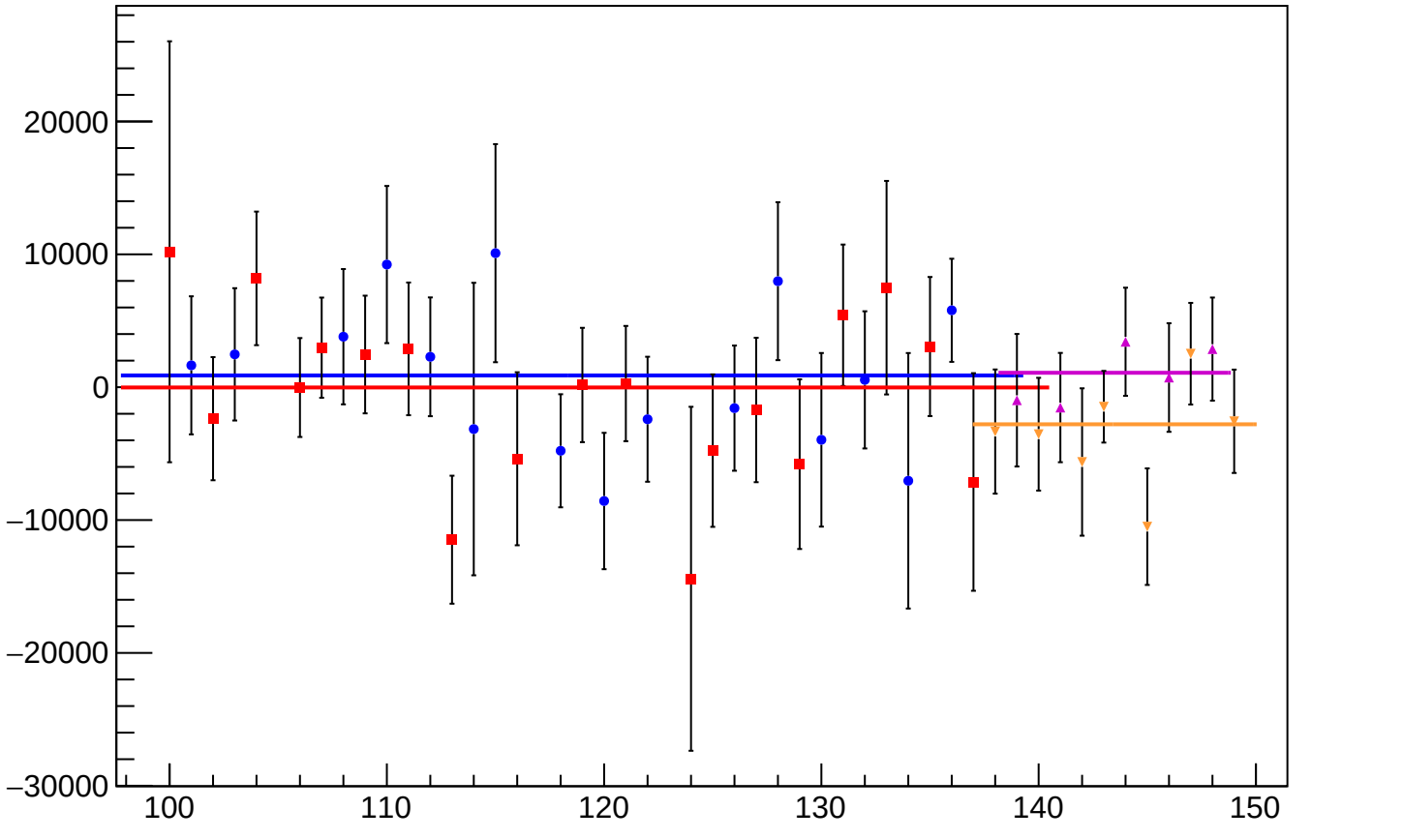
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1343.748+/-0.455 χ^2/NDF:13958.6/4

+ sign 1280.289+/-0.259 χ^2/NDF: 708323.7/22

All: 1296.424+/-0.188 χ^2/NDF: 950109.0/46

- 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: -2791.459+/-1478.285 χ^2/NDF:5.6/6

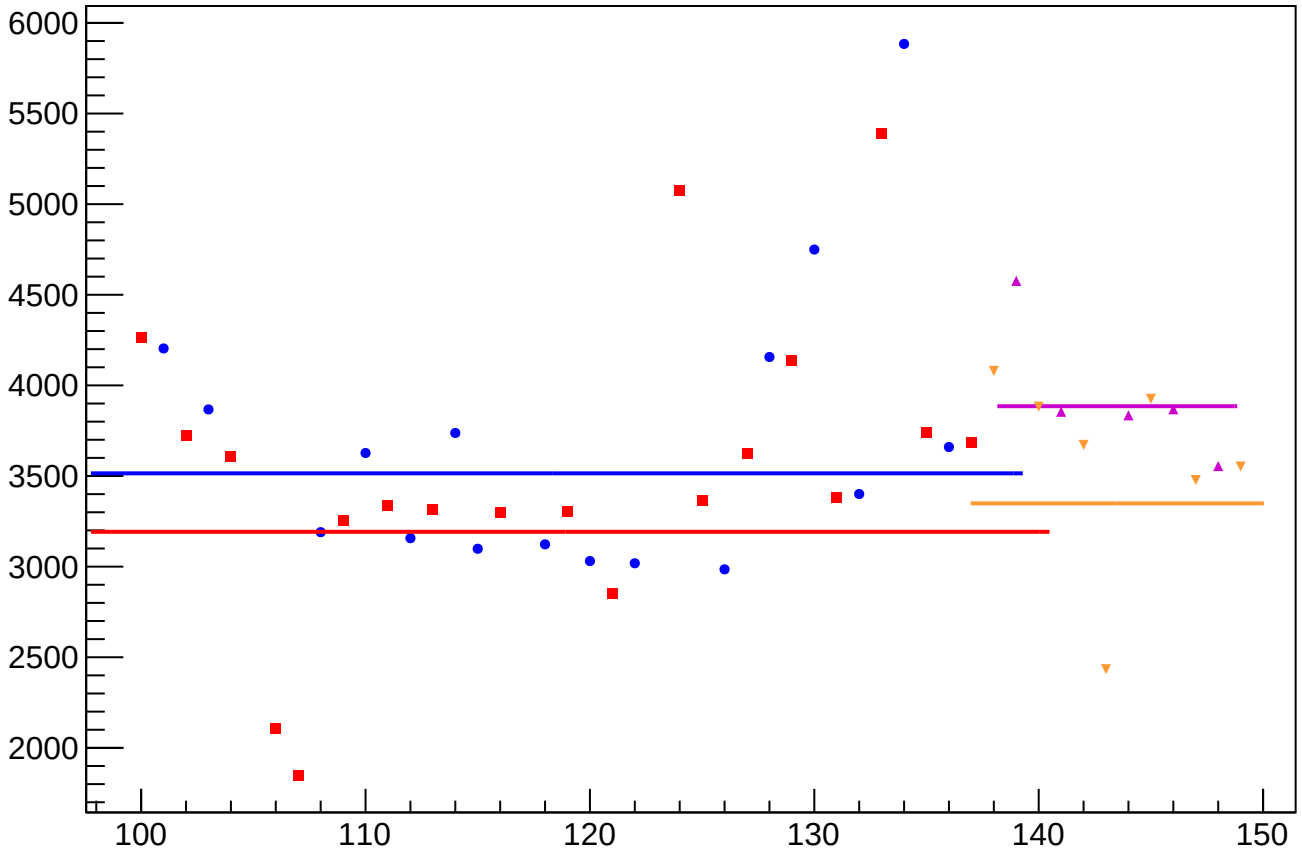
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1086.069+/-1869.912 χ^2/NDF:1.1/4

+ sign -756.606+/-987.663 χ^2/NDF: 23.1/22

All: -239.025+/-706.126 χ^2/NDF: 41.9/46

- 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: 3349.085+/-1.045 χ^2/NDF:359788.3/6

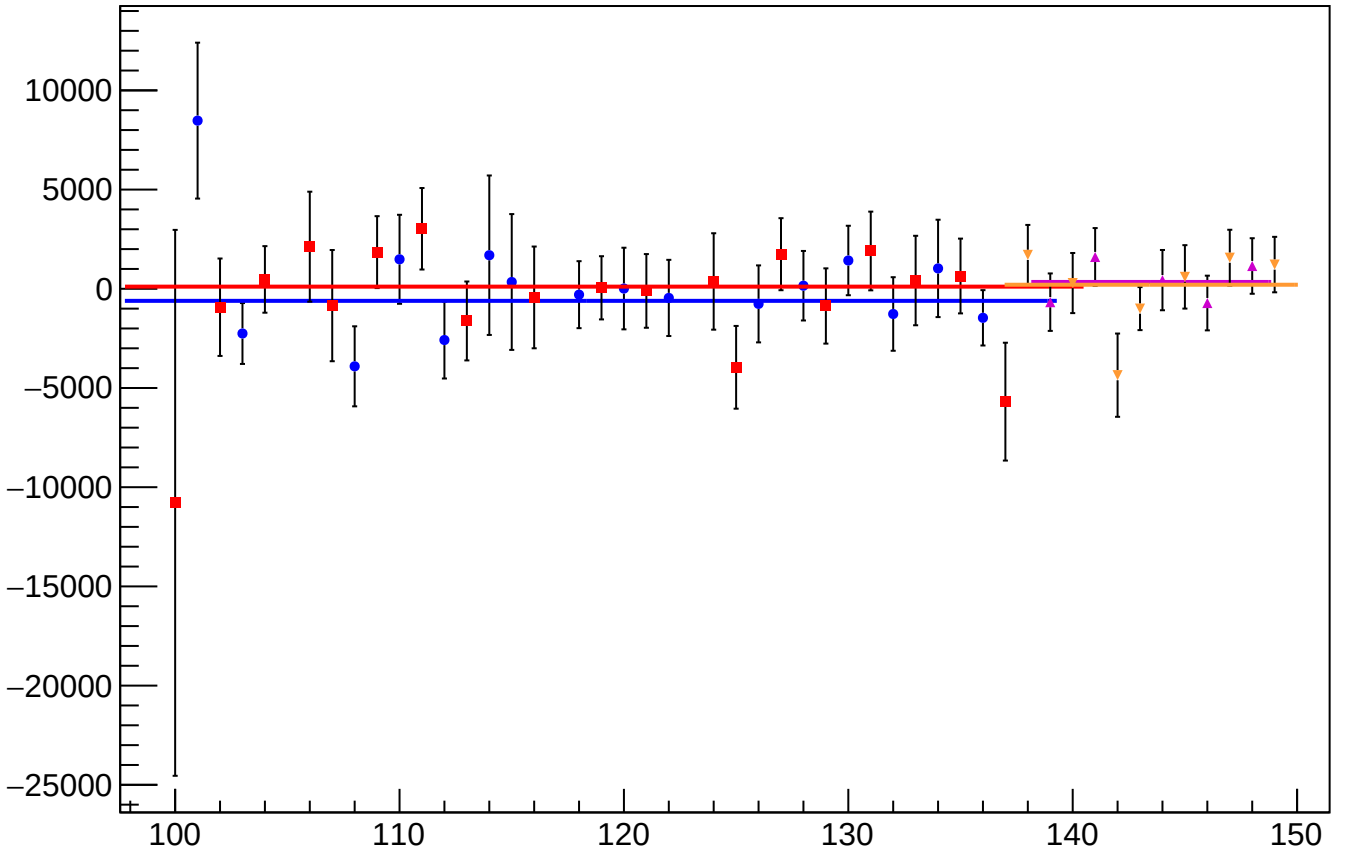
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3885.199+/-1.322 χ^2/NDF:53360.0/4

+ sign 3440.799+/-0.698 χ^2/NDF: 748771.8/22

All: 3418.094+/-0.499 χ^2/NDF: 1771353.2/46

- 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: 204.113+/-545.569 χ^2/NDF:8.5/6

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

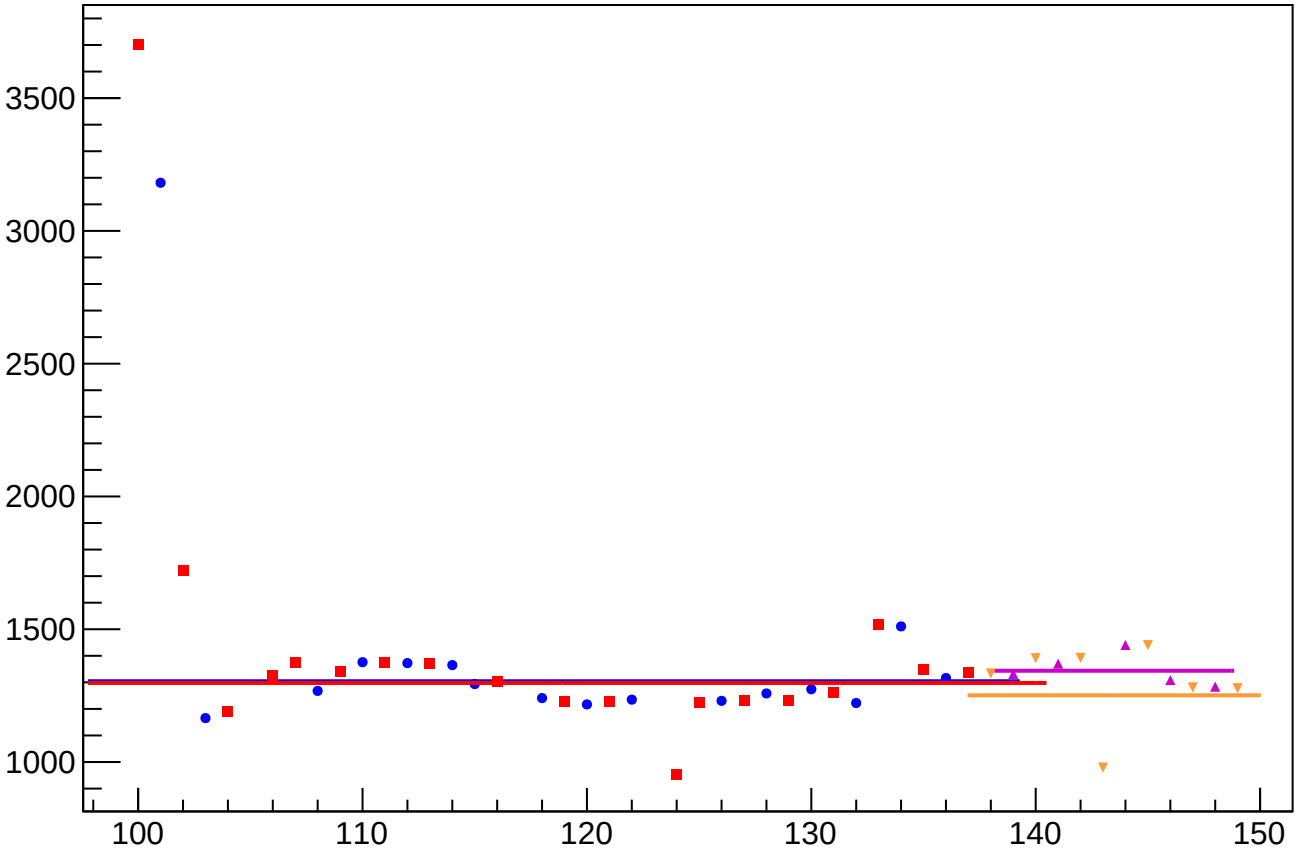
Left In: 344.306+/-643.029 χ^2/NDF:2.2/4

+ sign -241.891+/-366.263 χ^2/NDF: 23.8/22

All: -36.116+/-266.175 χ^2/NDF: 41.6/46

- sign 194.204+/-387.491 χ^2/NDF: 17.1/23

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1251.267+/-0.386 χ^2/NDF:187430.4/6

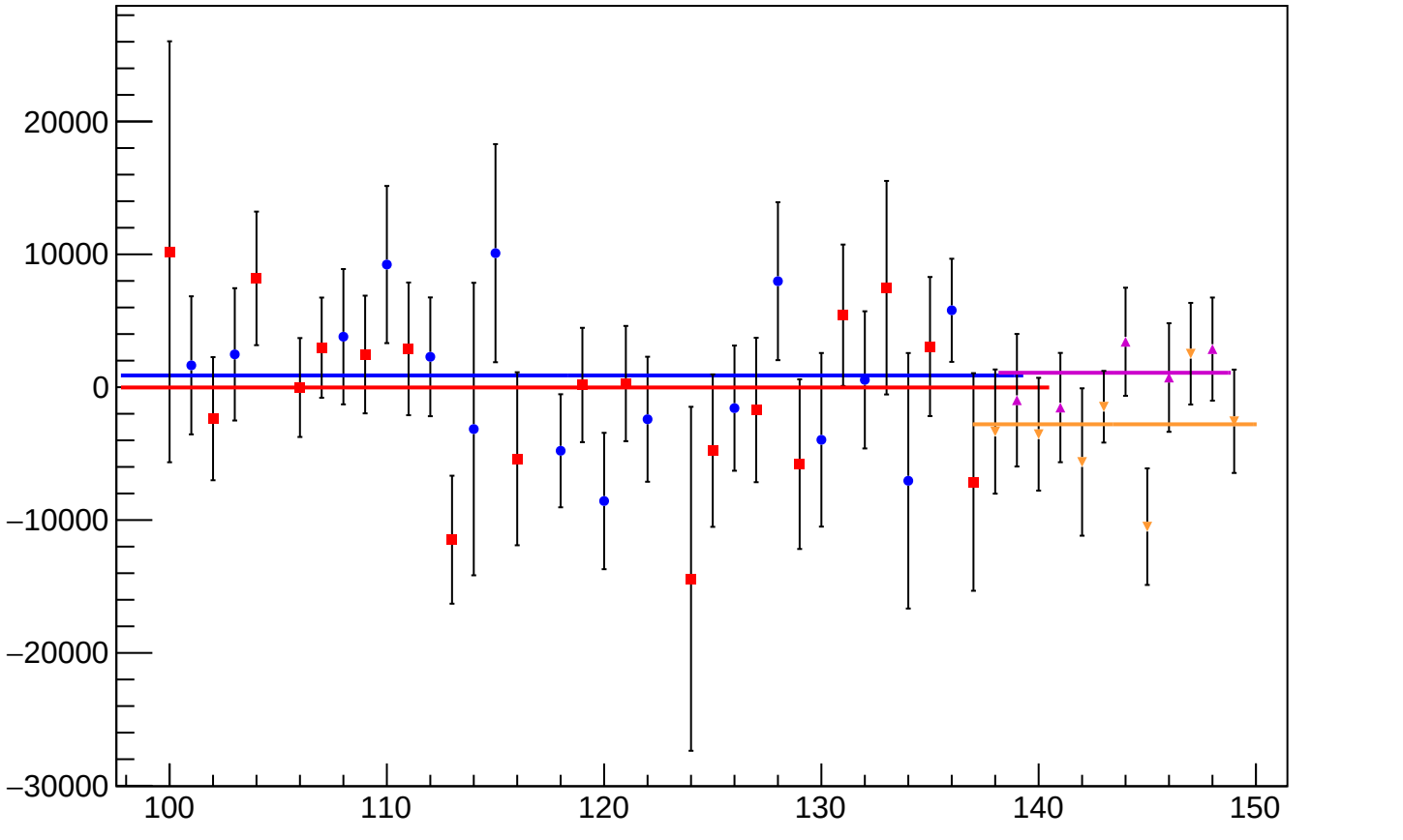
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1343.749+/-0.455 χ^2/NDF:13958.6/4

+ sign 1280.289+/-0.259 χ^2/NDF: 708323.7/22

All: 1296.425+/-0.188 χ^2/NDF: 950109.5/46

- 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: -2791.459+/-1478.287 χ^2/NDF:5.6/6

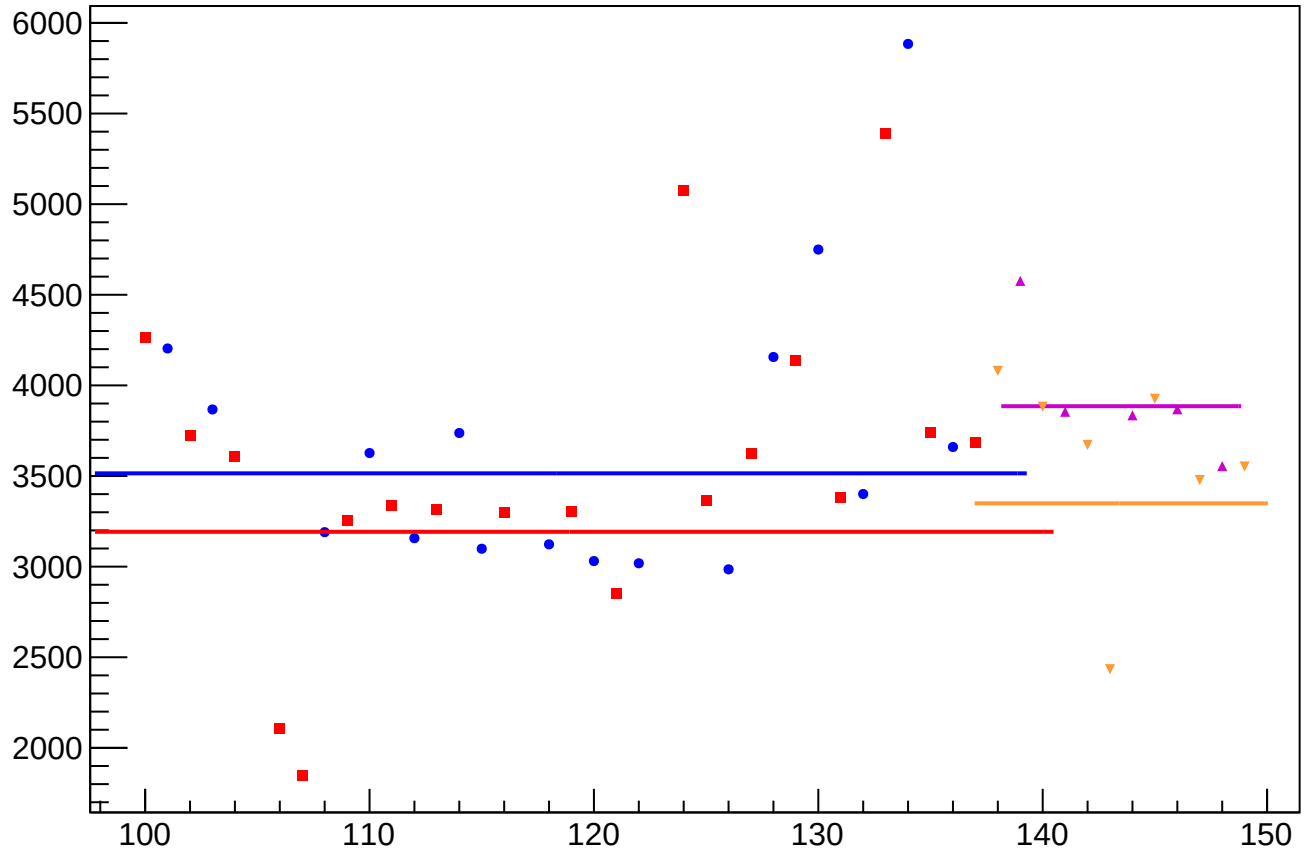
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1086.066+/-1869.915 χ^2/NDF:1.1/4

+ sign -756.605+/-987.662 χ^2/NDF: 23.1/22

All: -239.024+/-706.125 χ^2/NDF: 41.9/46

- 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: 3349.090+/-1.045 χ^2/NDF:359788.9/6

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

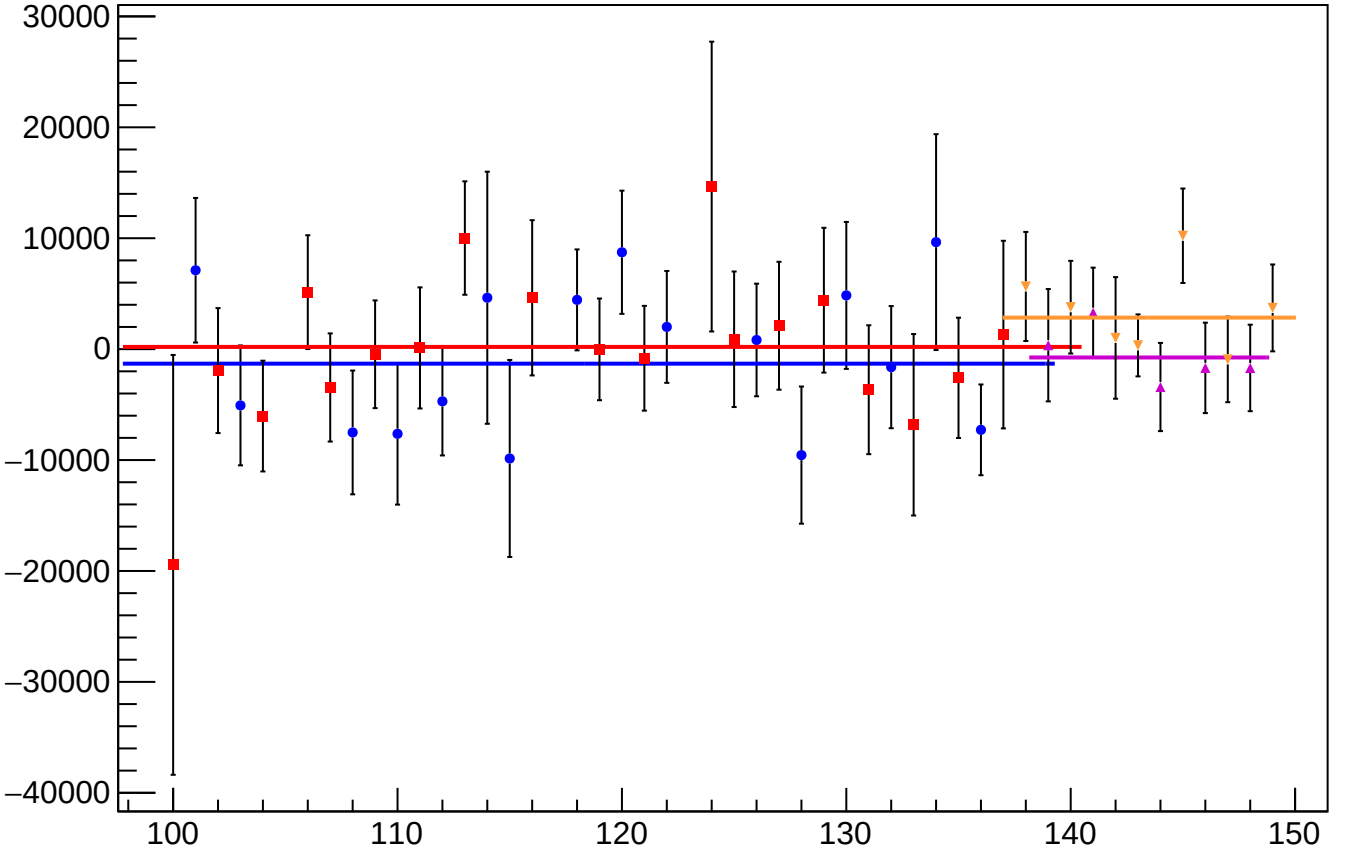
Left In: 3885.204+/-1.322 χ^2/NDF:53360.9/4

+ sign 3440.796+/-0.698 χ^2/NDF: 748774.3/22

All: 3418.090+/-0.499 χ^2/NDF: 1771366.4/46

- 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: 2842.696+/-1495.106 χ^2/NDF:5.3/6

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

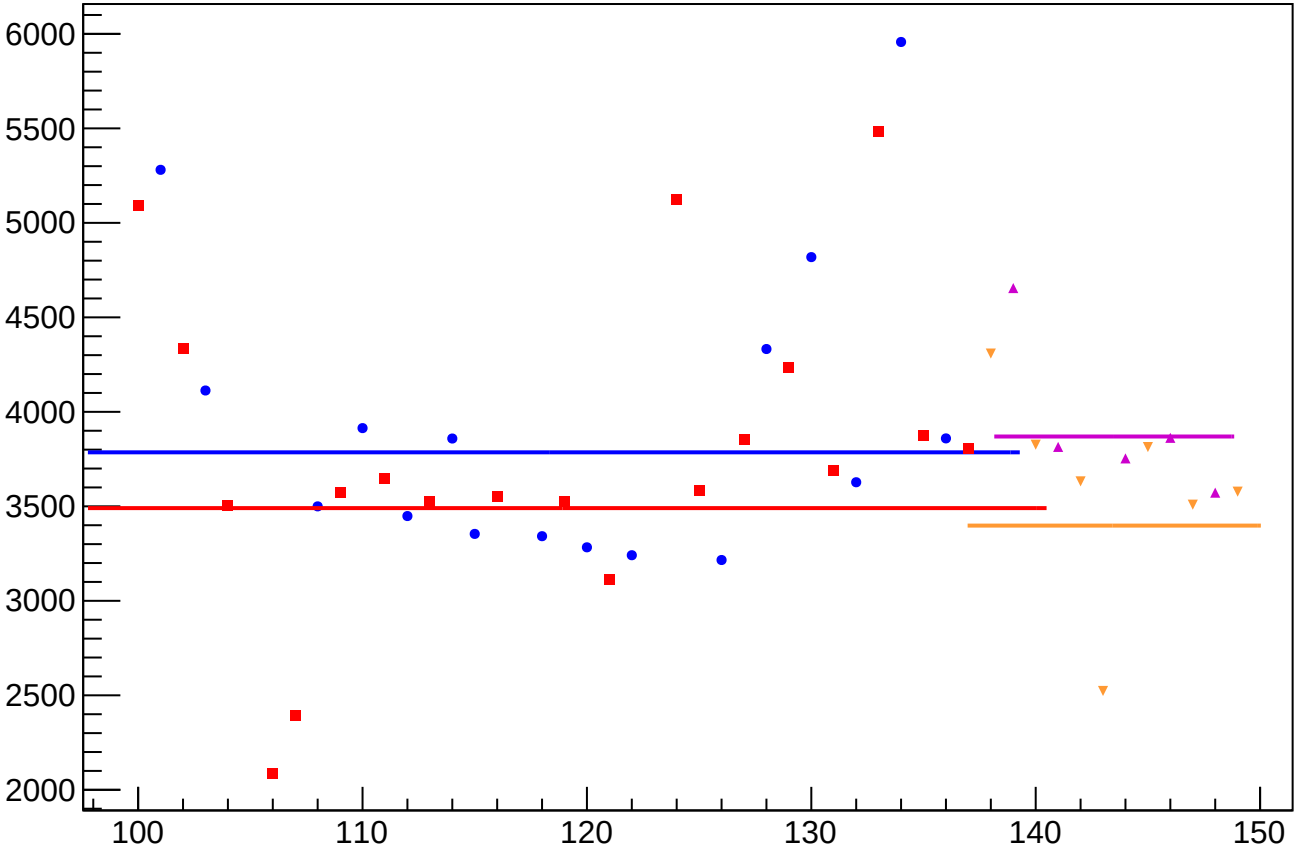
Left In: -751.876+/-1861.261 χ^2/NDF:1.6/4

+ sign 676.657+/-1034.025 χ^2/NDF: 26.9/22

All: 296.365+/-748.662 χ^2/NDF: 40.6/46

- 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: 3398.087+/-1.057 χ^2/NDF:314083.3/6

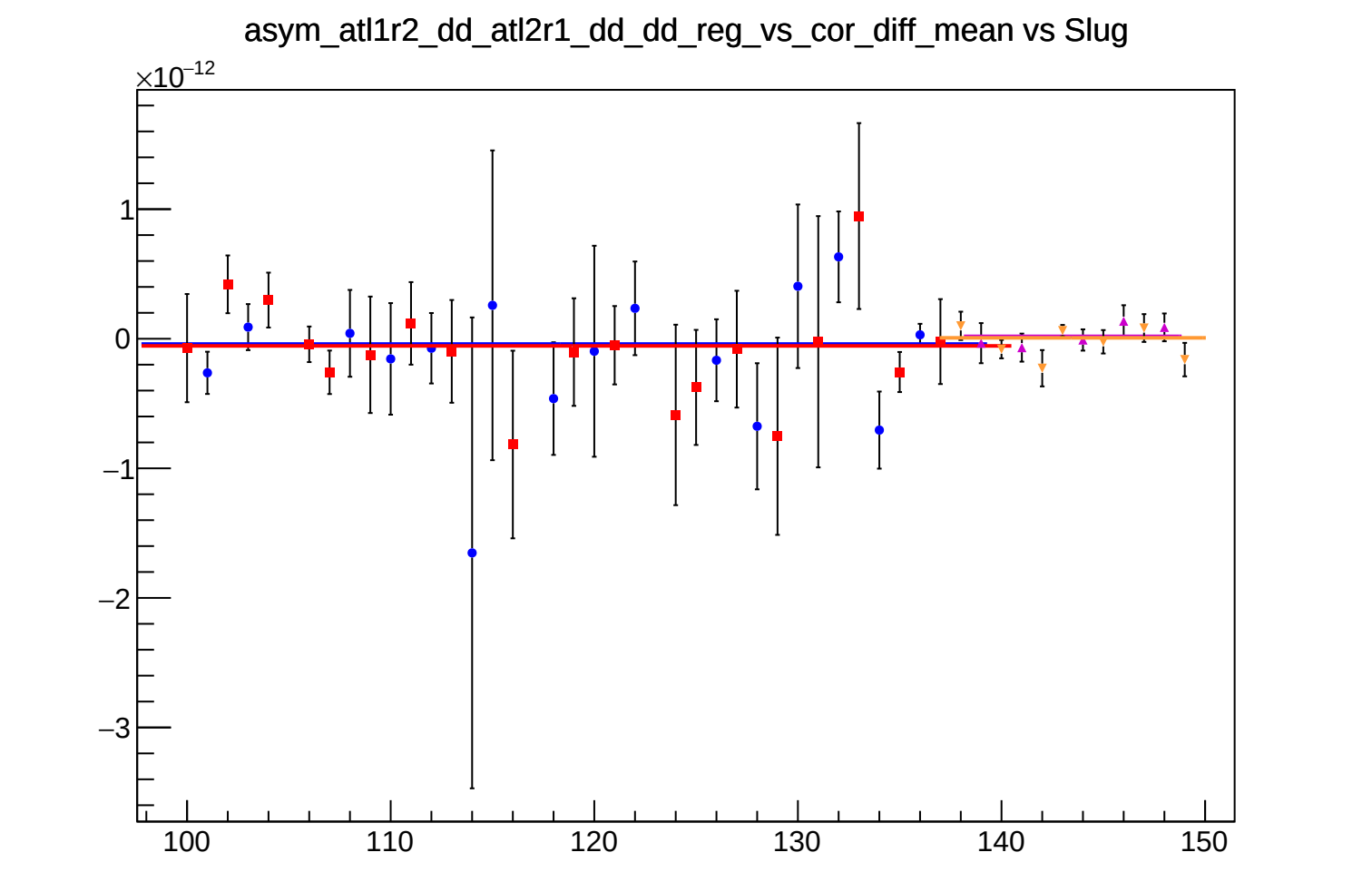
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3869.530+/-1.316 χ^2/NDF:61772.3/4

+ sign 3600.337+/-0.731 χ^2/NDF: 767230.5/22

All: 3608.409+/-0.527 χ^2/NDF: 1471183.1/46

- 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:8.9/6

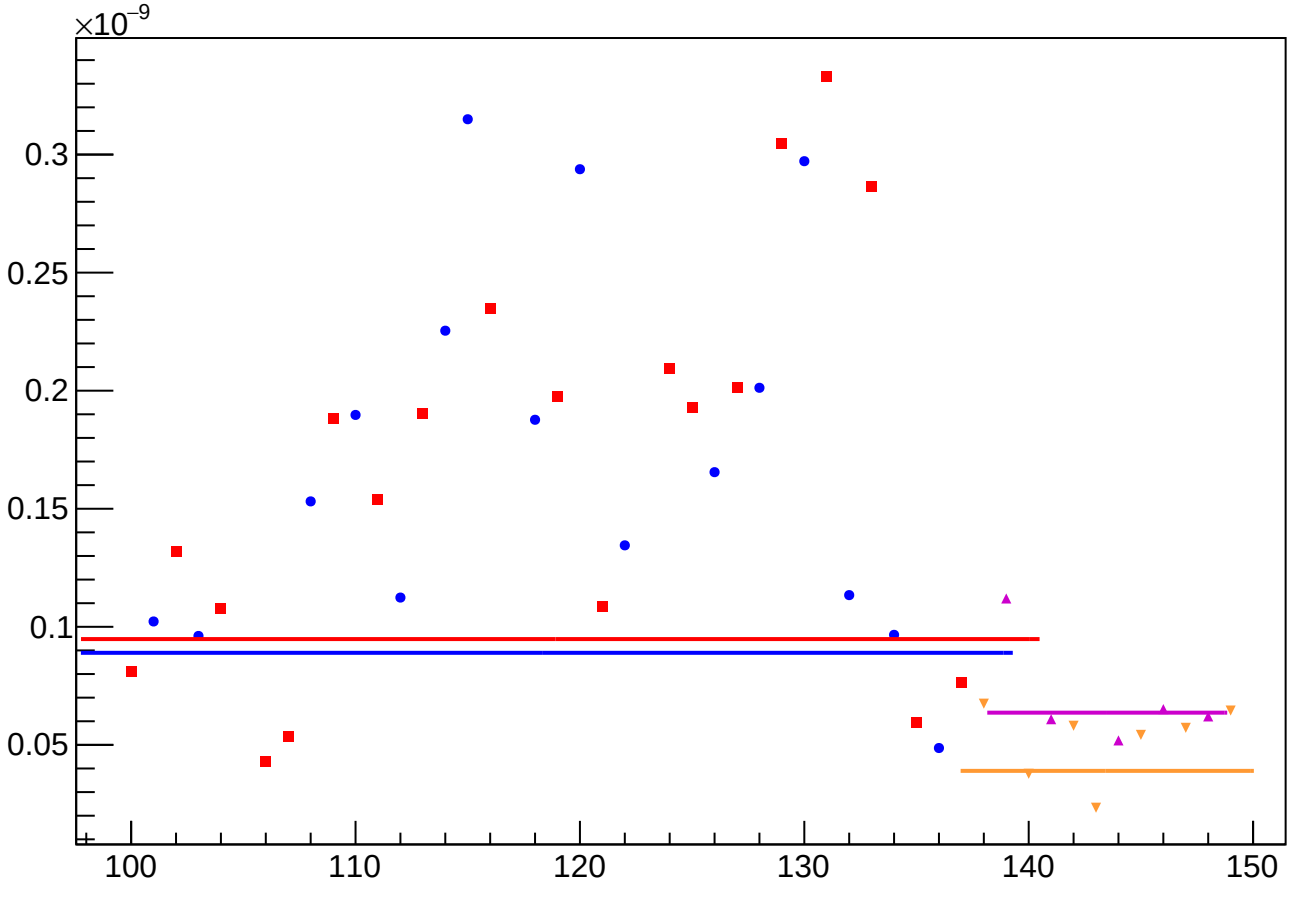
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 26.1/22

All: -0.000+/-0.000 χ^2/NDF: 45.0/46

- 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:618005.8/6

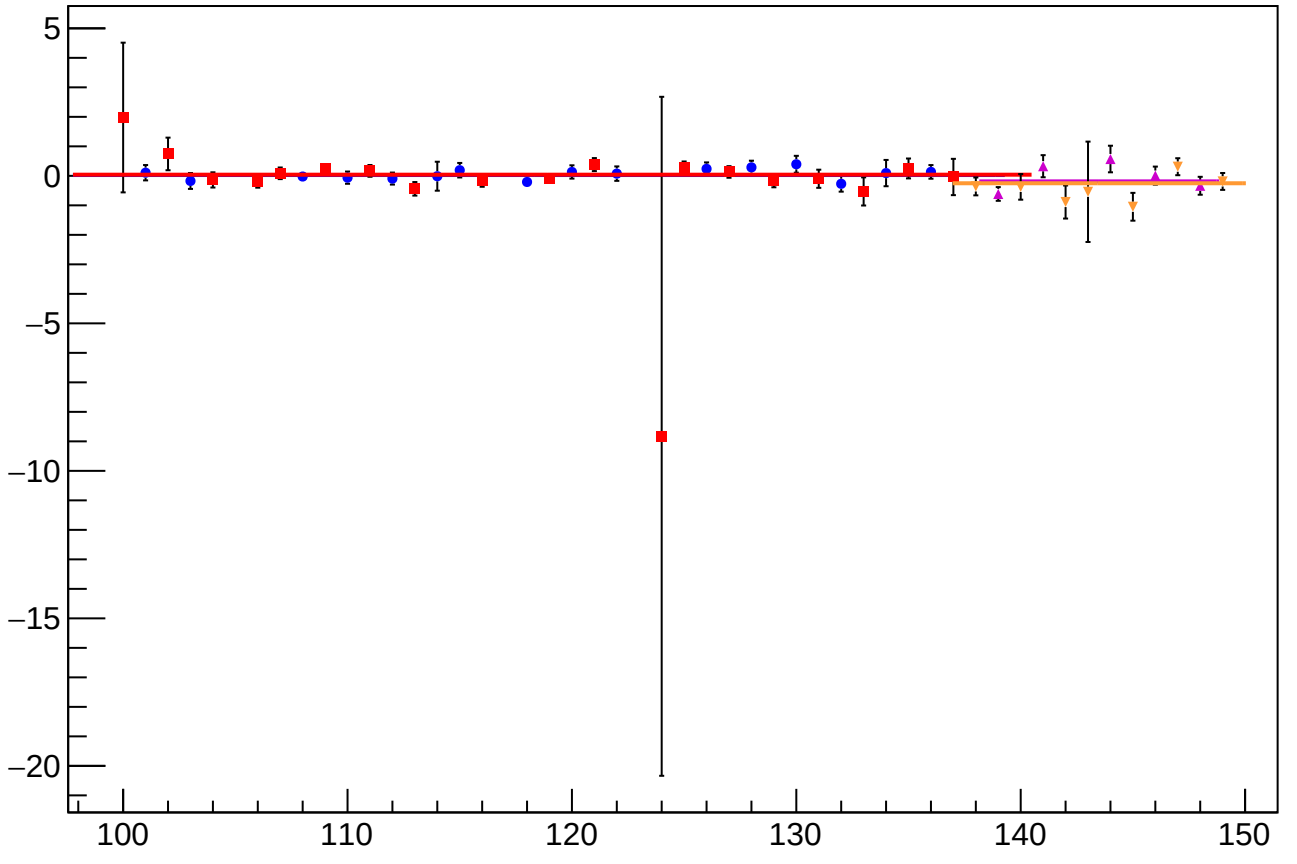
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:238425.0/4

\+ sign 0.000+/-0.000 χ^2/NDF: 3221889.1/22

All: 0.000+/-0.000 χ^2/NDF: 6101862.4/46

\- 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: -0.251+/-0.144 χ^2/NDF:8.2/6

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

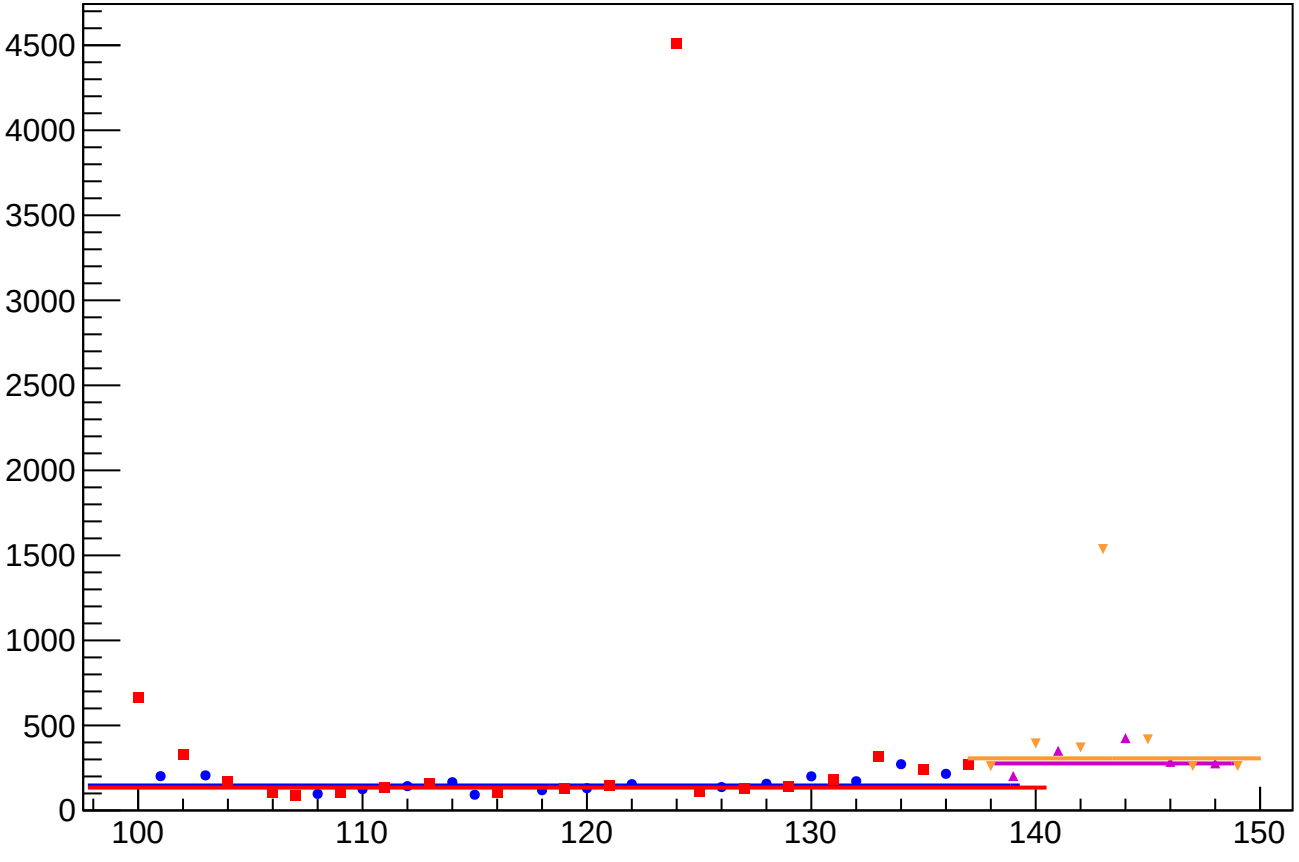
Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.011+/-0.054 χ^2/NDF: 20.9/22

All: -0.001+/-0.037 χ^2/NDF: 52.0/46

- sign 0.009+/-0.051 χ^2/NDF: 31.0/23

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 306.381+/-0.101 χ^2/NDF:1411618.1/6

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

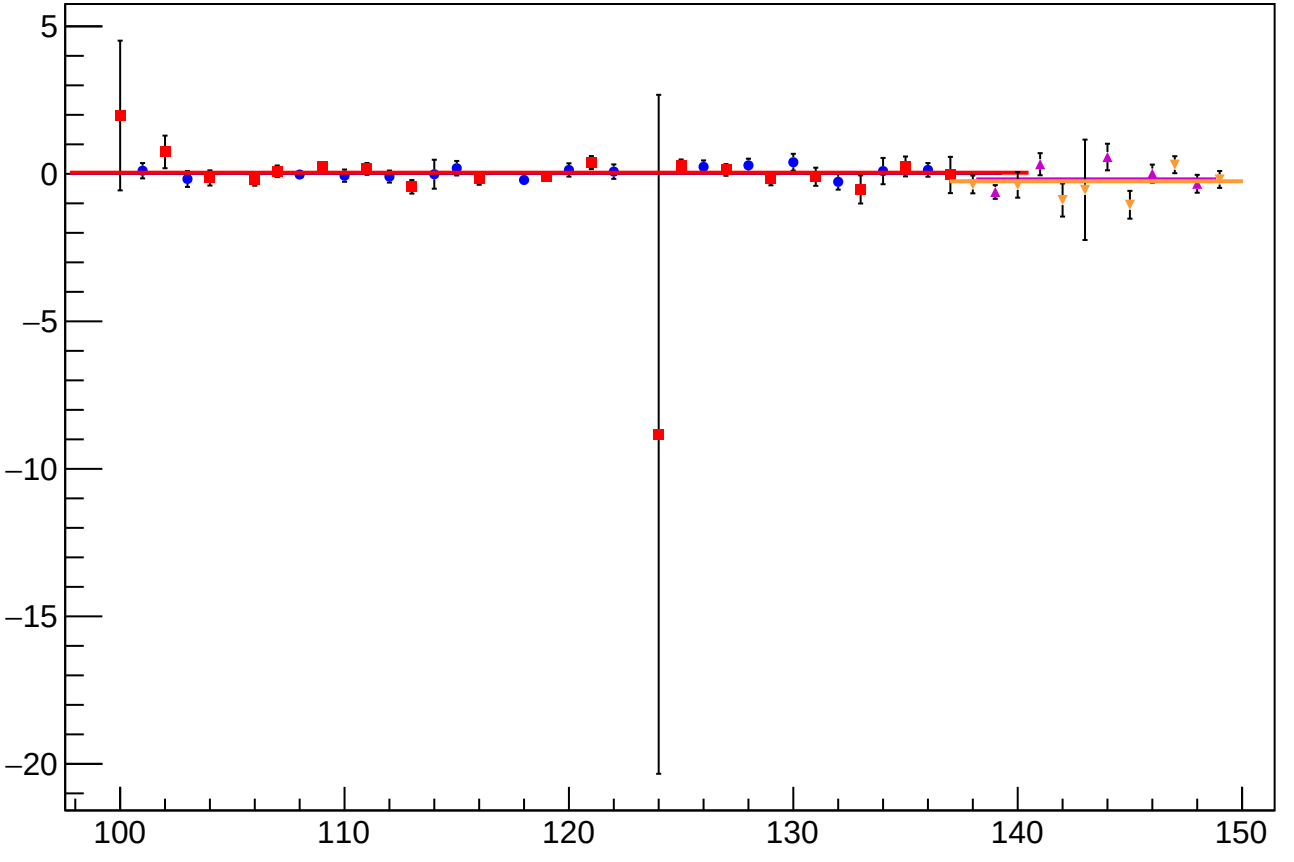
Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

+ sign 169.033+/-0.038 χ^2/NDF: 4538343.7/22

All: 160.990+/-0.026 χ^2/NDF: 8551581.5/46

- 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: -0.251+/-0.144 χ^2/NDF:8.2/6

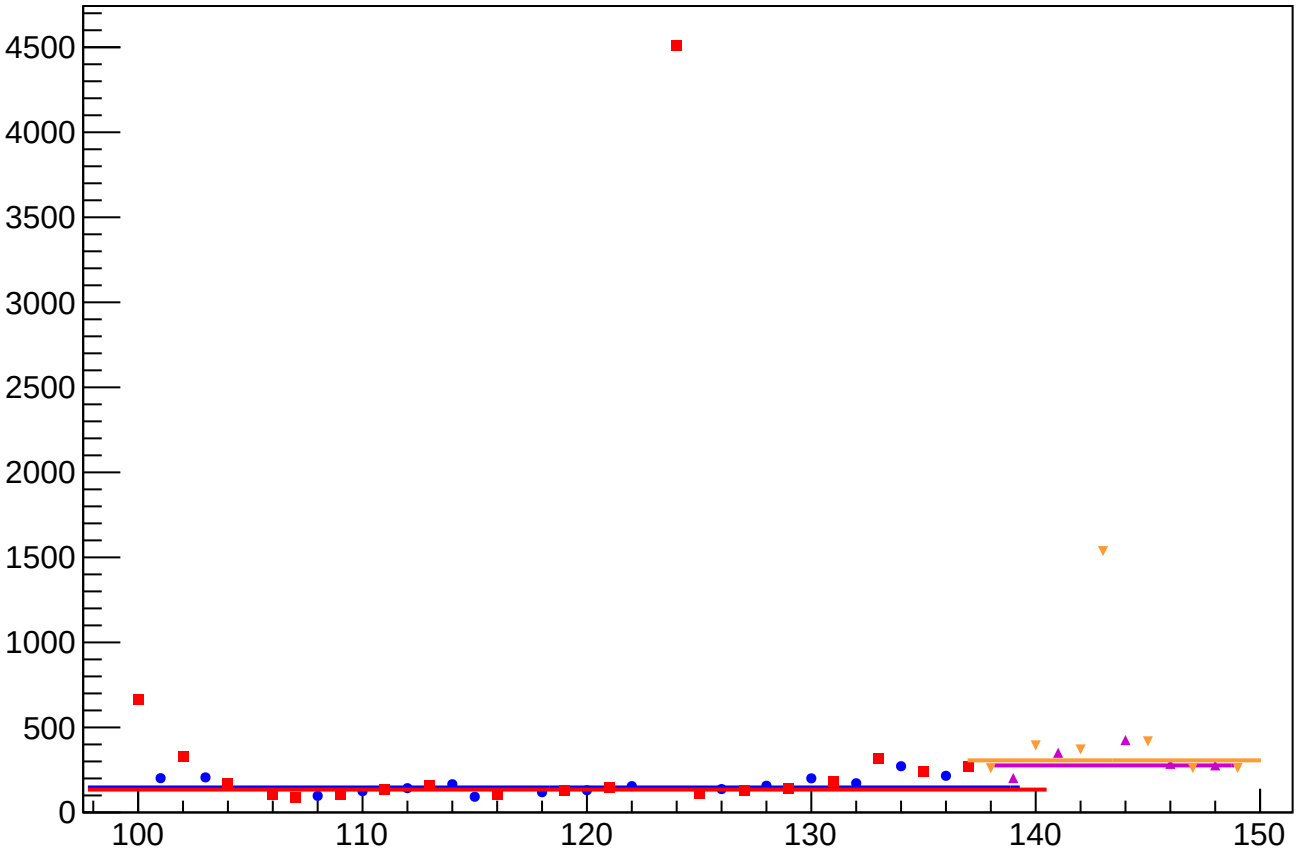
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.011+/-0.054 χ^2/NDF: 20.9/22

All: -0.001+/-0.037 χ^2/NDF: 52.0/46

- 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: 306.381+/-0.101 χ^2/NDF:1411618.1/6

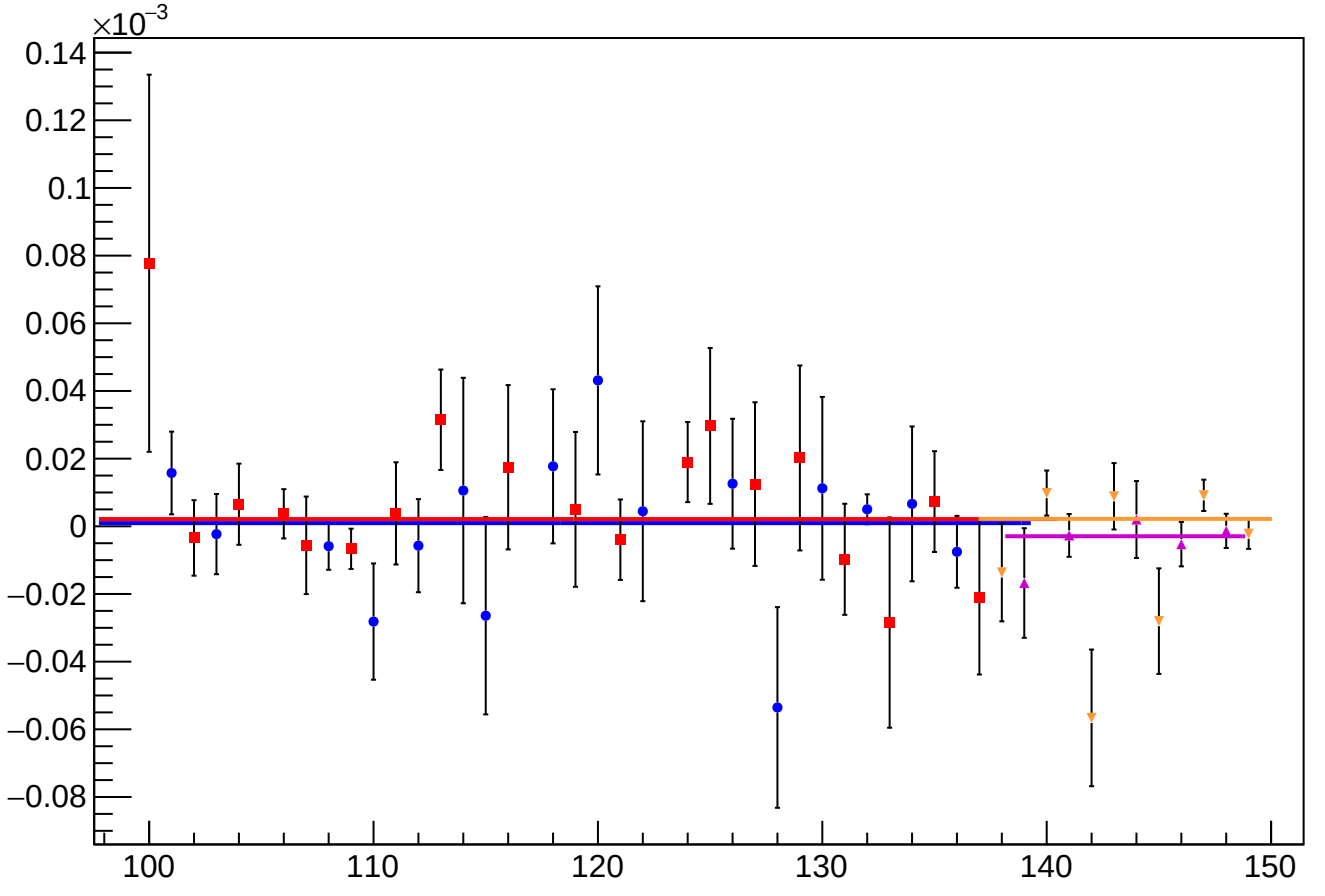
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

+ sign 169.033+/-0.038 χ^2/NDF: 4538343.7/22

All: 160.990+/-0.026 χ^2/NDF: 8551581.5/46

- 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:18.4/6

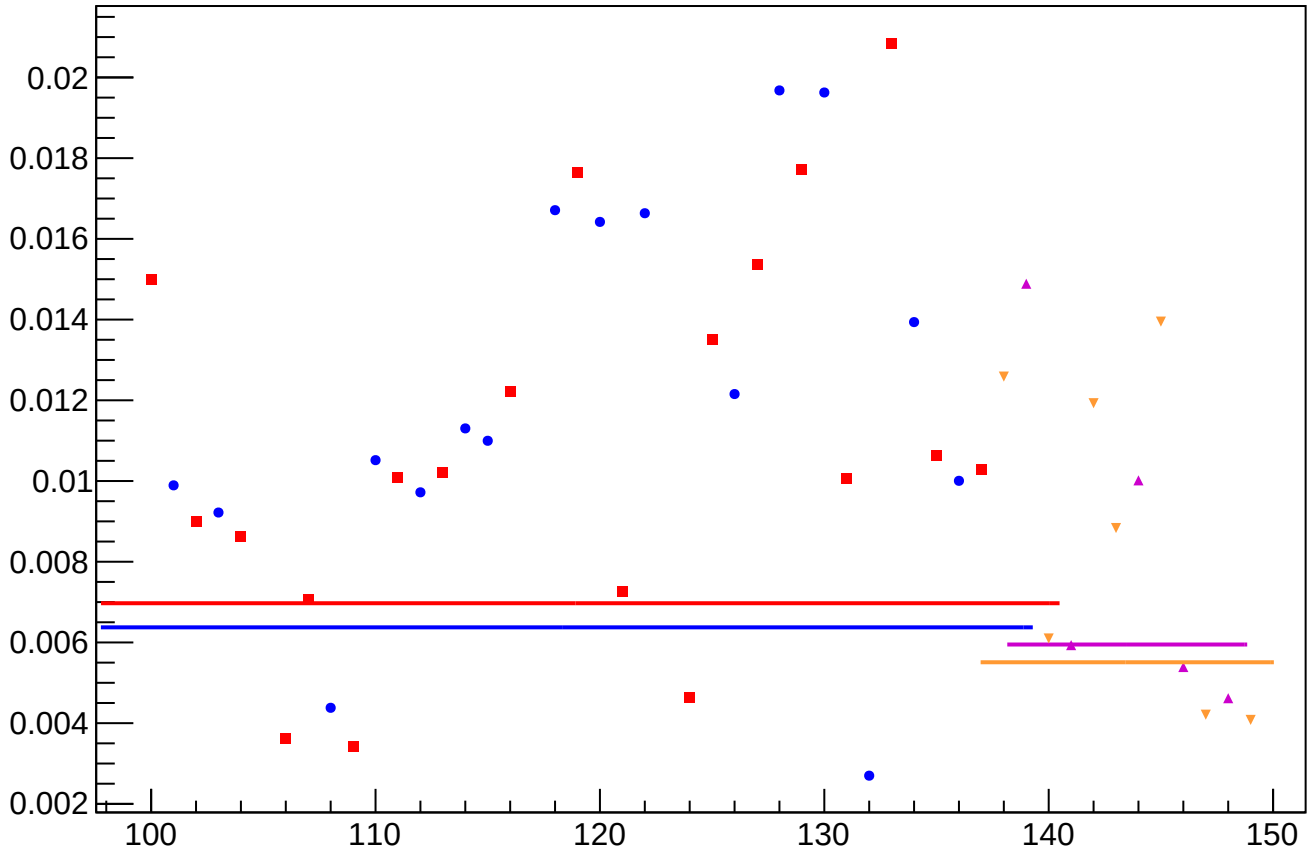
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/22

All: 0.000+/-0.000 χ^2/NDF: 52.4/46

- 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:1875056.5/6

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

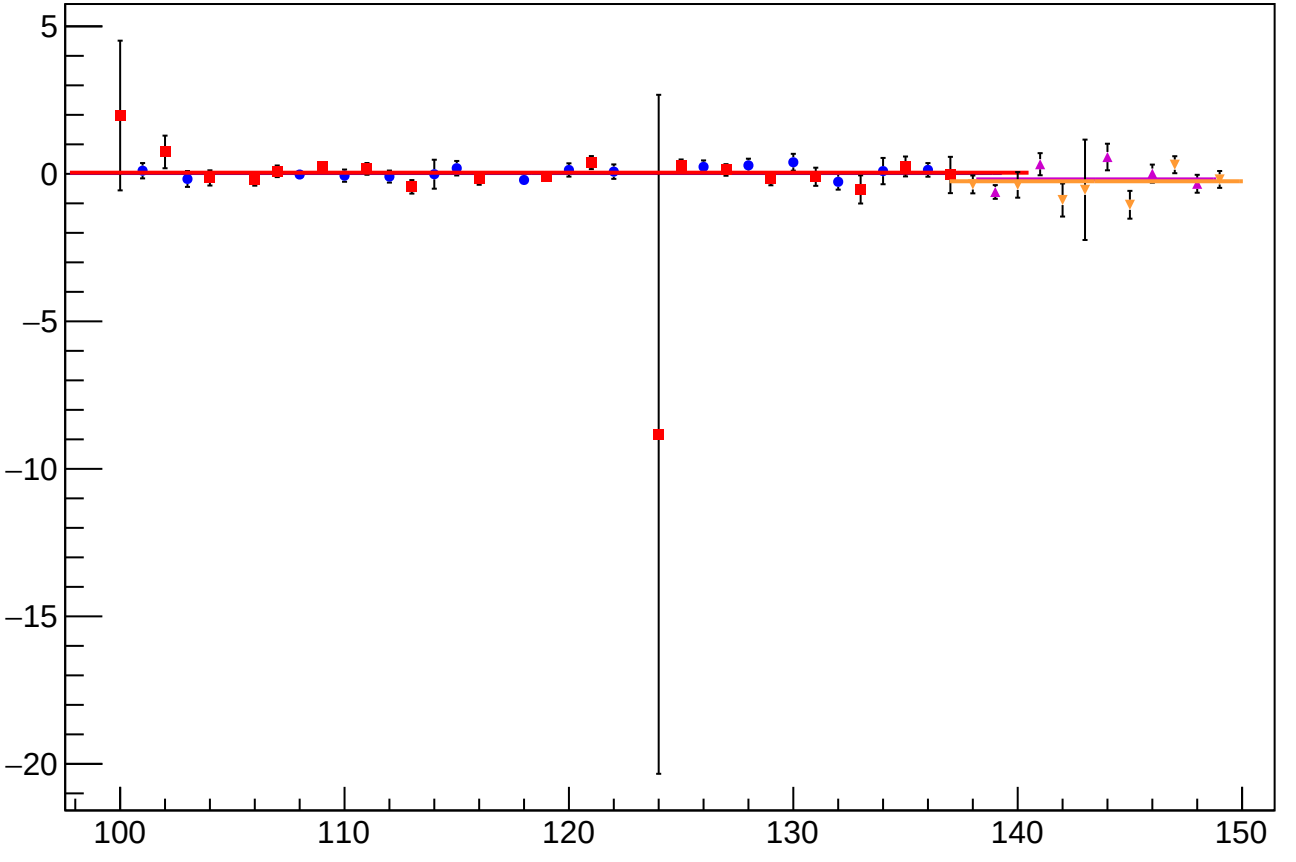
Left In: 0.006+/-0.000 χ^2/NDF:1018188.3/4

+ sign 0.006+/-0.000 χ^2/NDF: 6610442.1/22

All: 0.006+/-0.000 χ^2/NDF: 11227072.9/46

- 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: -0.251+/-0.144 χ^2/NDF:8.2/6

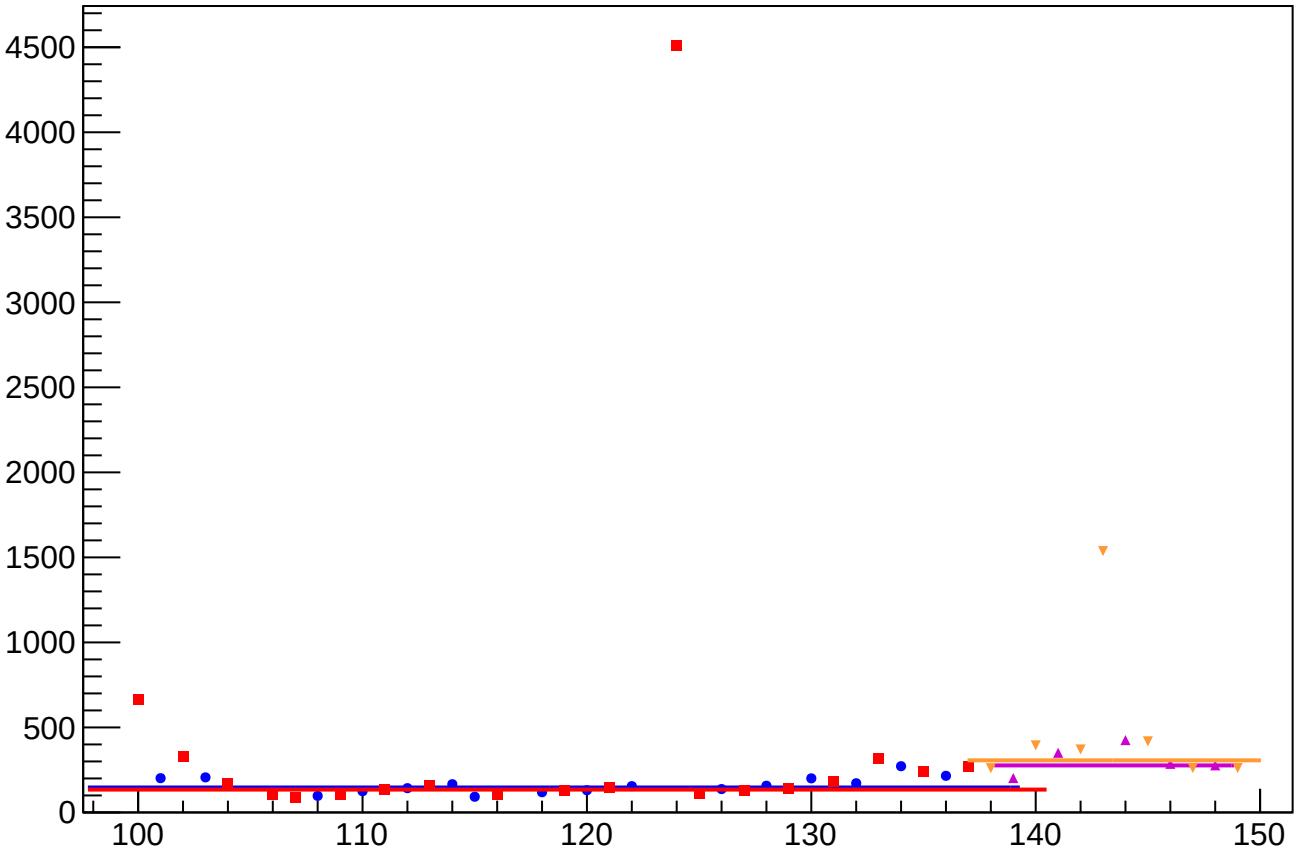
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.011+/-0.054 χ^2/NDF: 20.9/22

All: -0.001+/-0.037 χ^2/NDF: 52.0/46

- 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: 306.384+/-0.101 χ^2/NDF:1411616.6/6

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

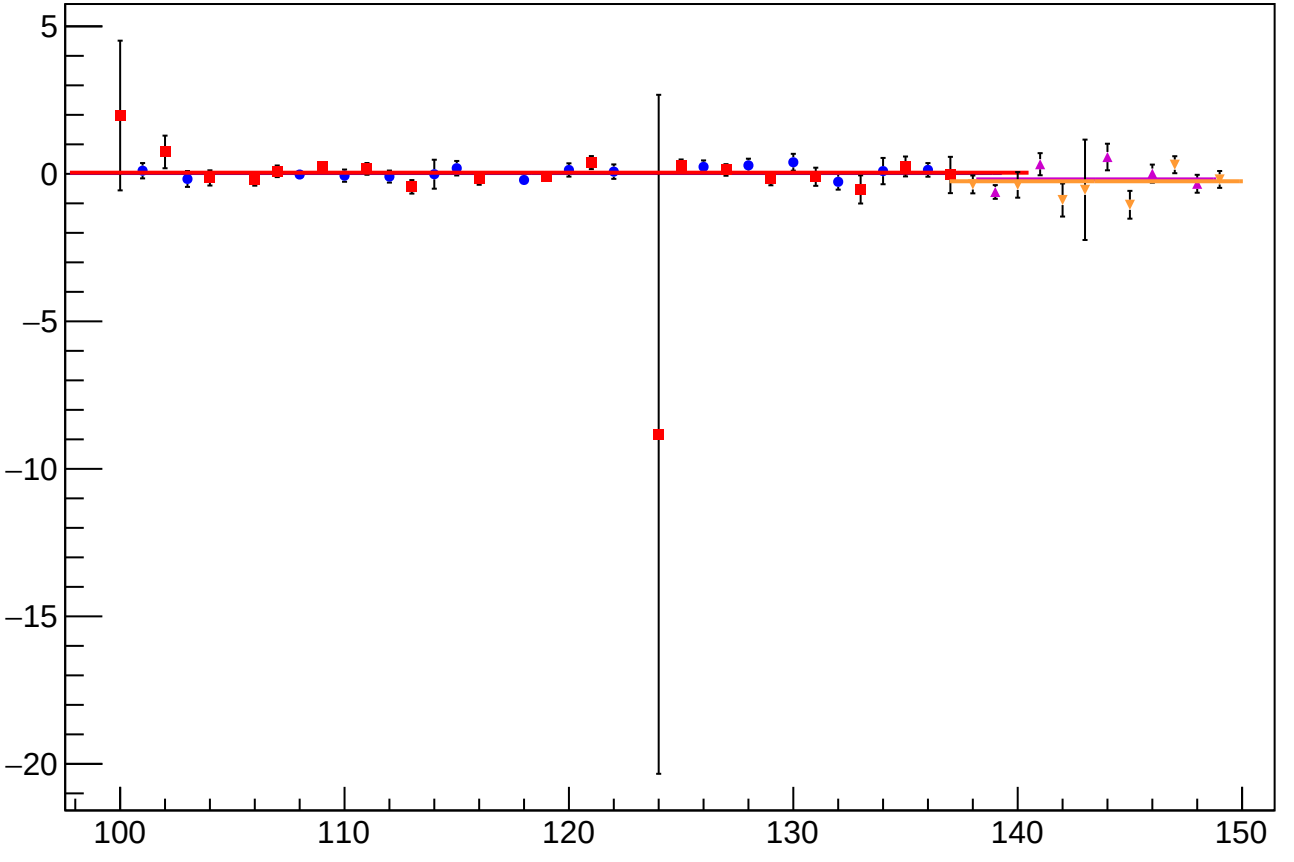
Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

+ sign 169.033+/-0.038 χ^2/NDF: 4538336.9/22

All: 160.991+/-0.026 χ^2/NDF: 8551493.3/46

- 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: -0.251+/-0.144 χ^2/NDF:8.2/6

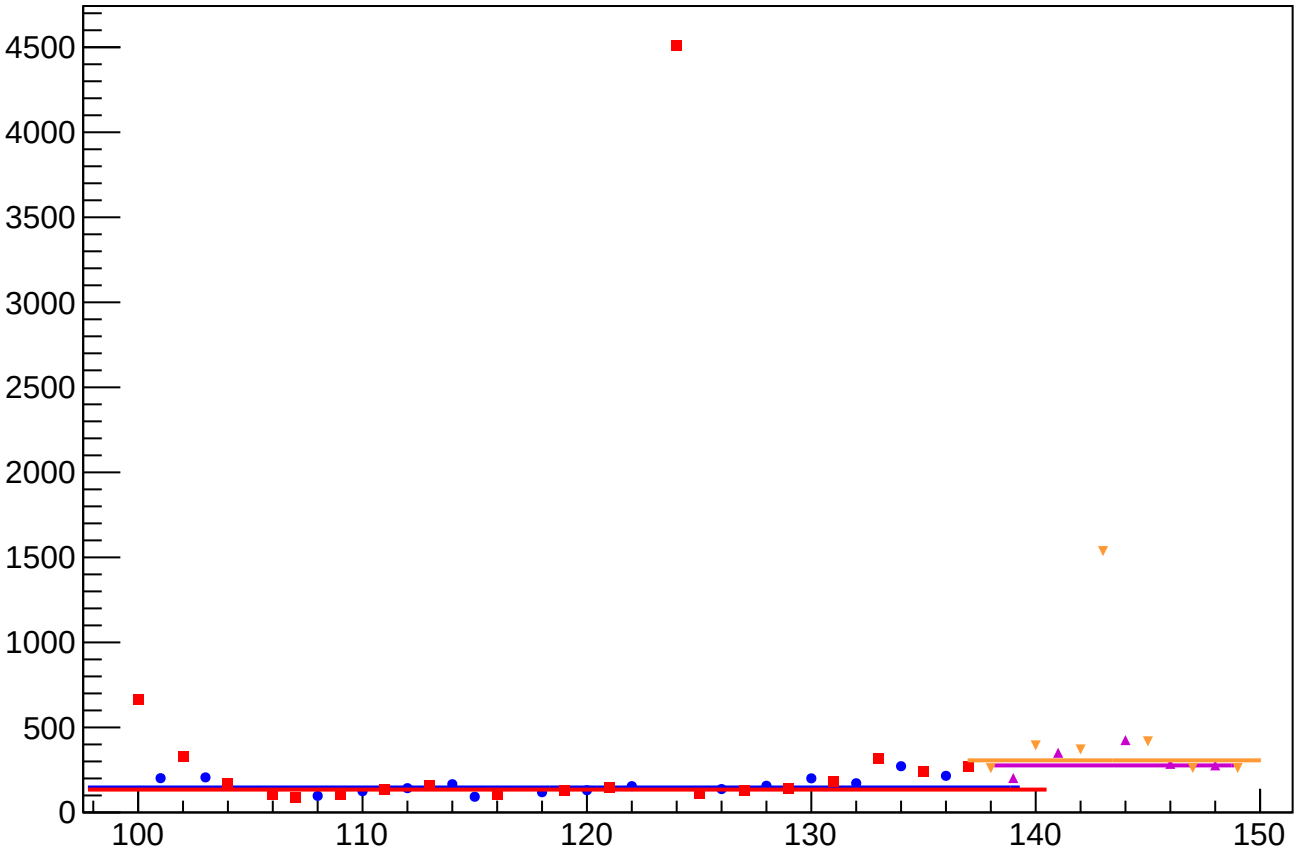
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.188+/-0.139 χ^2/NDF:8.7/4

+ sign -0.011+/-0.054 χ^2/NDF: 20.9/22

All: -0.001+/-0.037 χ^2/NDF: 52.0/46

- 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: 306.384+/-0.101 χ^2/NDF:1411616.6/6

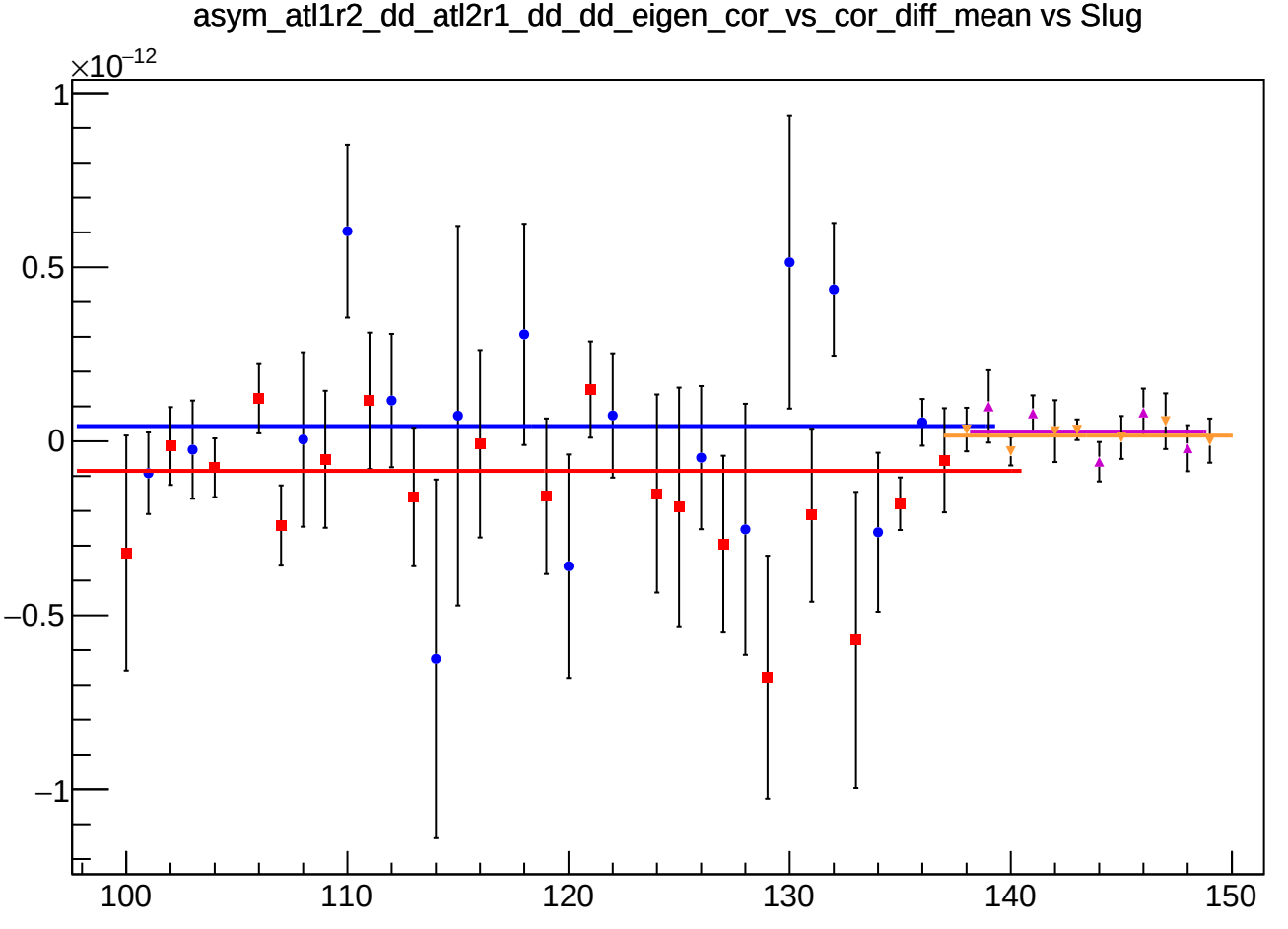
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

+ sign 169.033+/-0.038 χ^2/NDF: 4538336.9/22

All: 160.991+/-0.026 χ^2/NDF: 8551493.3/46

- 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:1.9/6

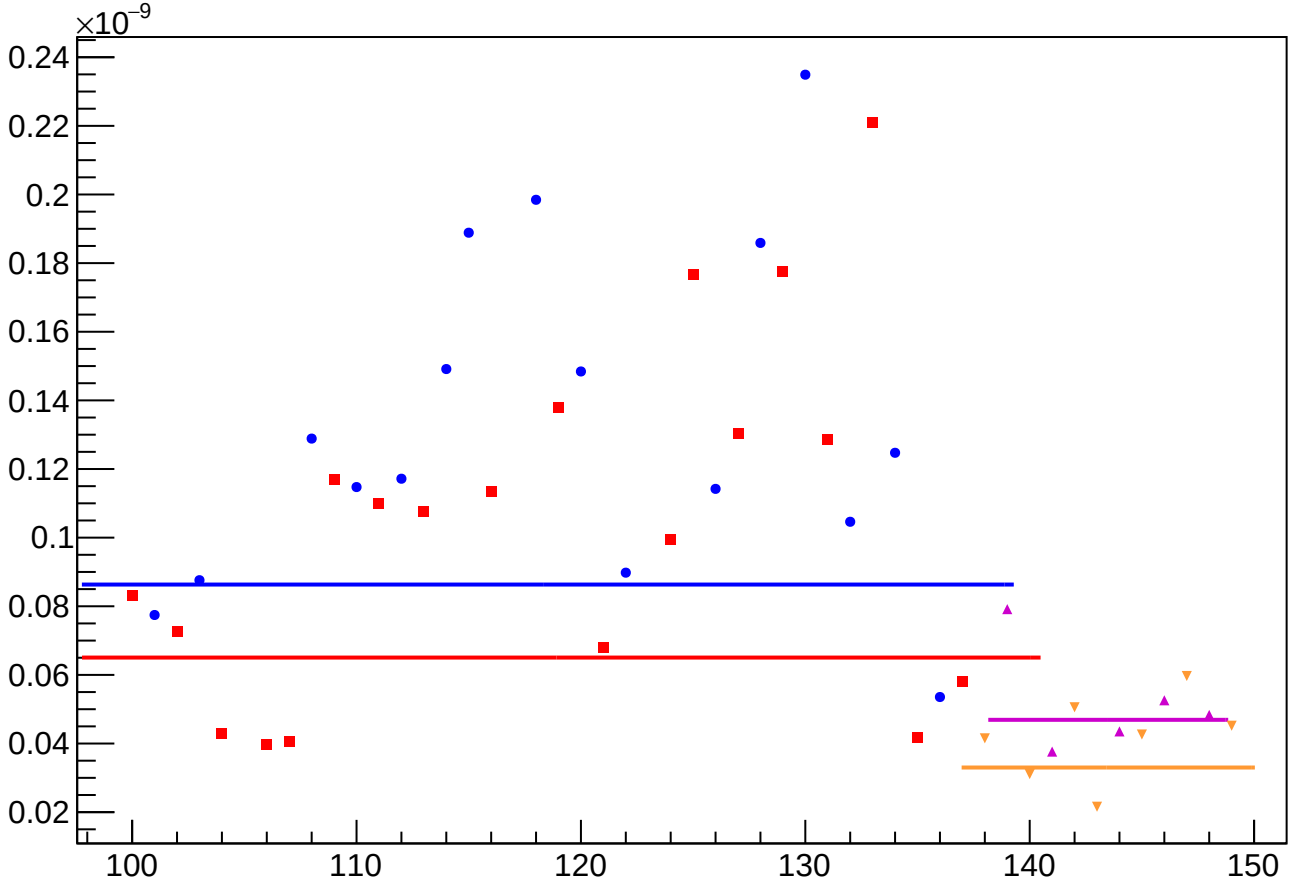
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/22

All: 0.000+/-0.000 χ^2/NDF: 52.9/46

- 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:762500.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

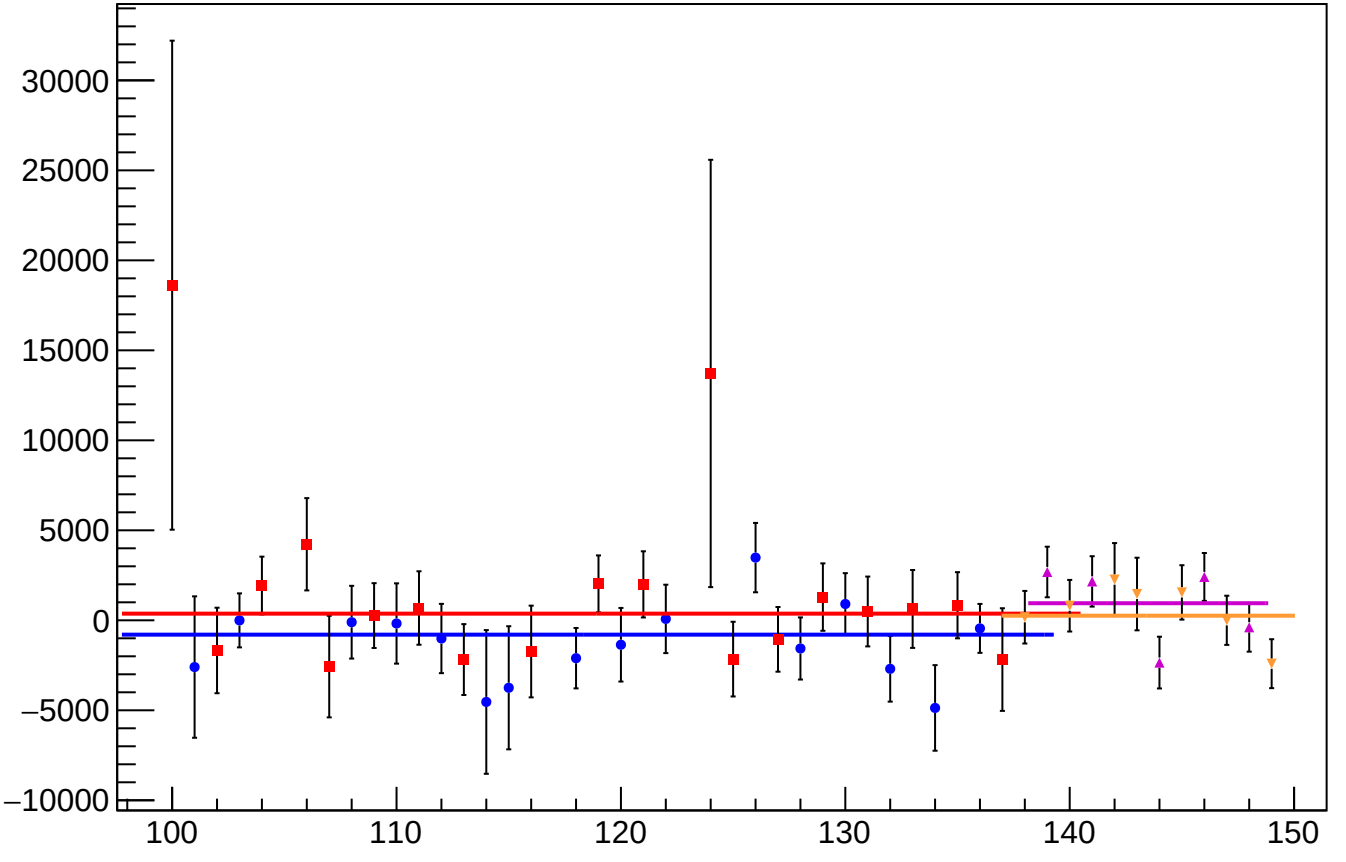
Left In: 0.000+/-0.000 χ^2/NDF:279488.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 4930037.4/22

All: 0.000+/-0.000 χ^2/NDF: 8105496.8/46

- 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: 256.028+/-581.380 χ^2/NDF:6.1/6

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

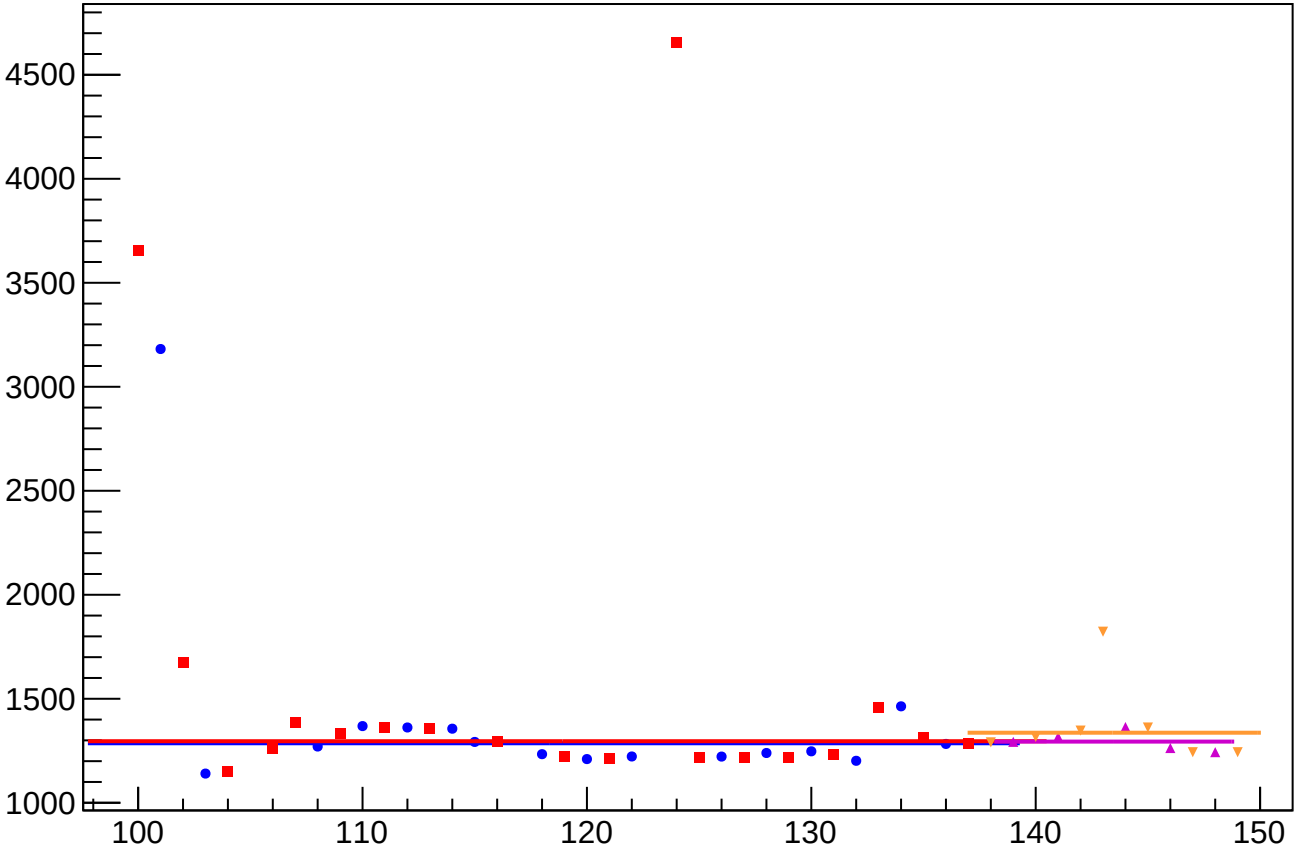
Left In: 948.937+/-619.013 χ^2/NDF:9.7/4

+ sign -362.482+/-373.532 χ^2/NDF: 21.4/22

All: 103.200+/-267.131 χ^2/NDF: 50.5/46

- 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: 1336.831+/-0.411 χ^2/NDF:137890.3/6

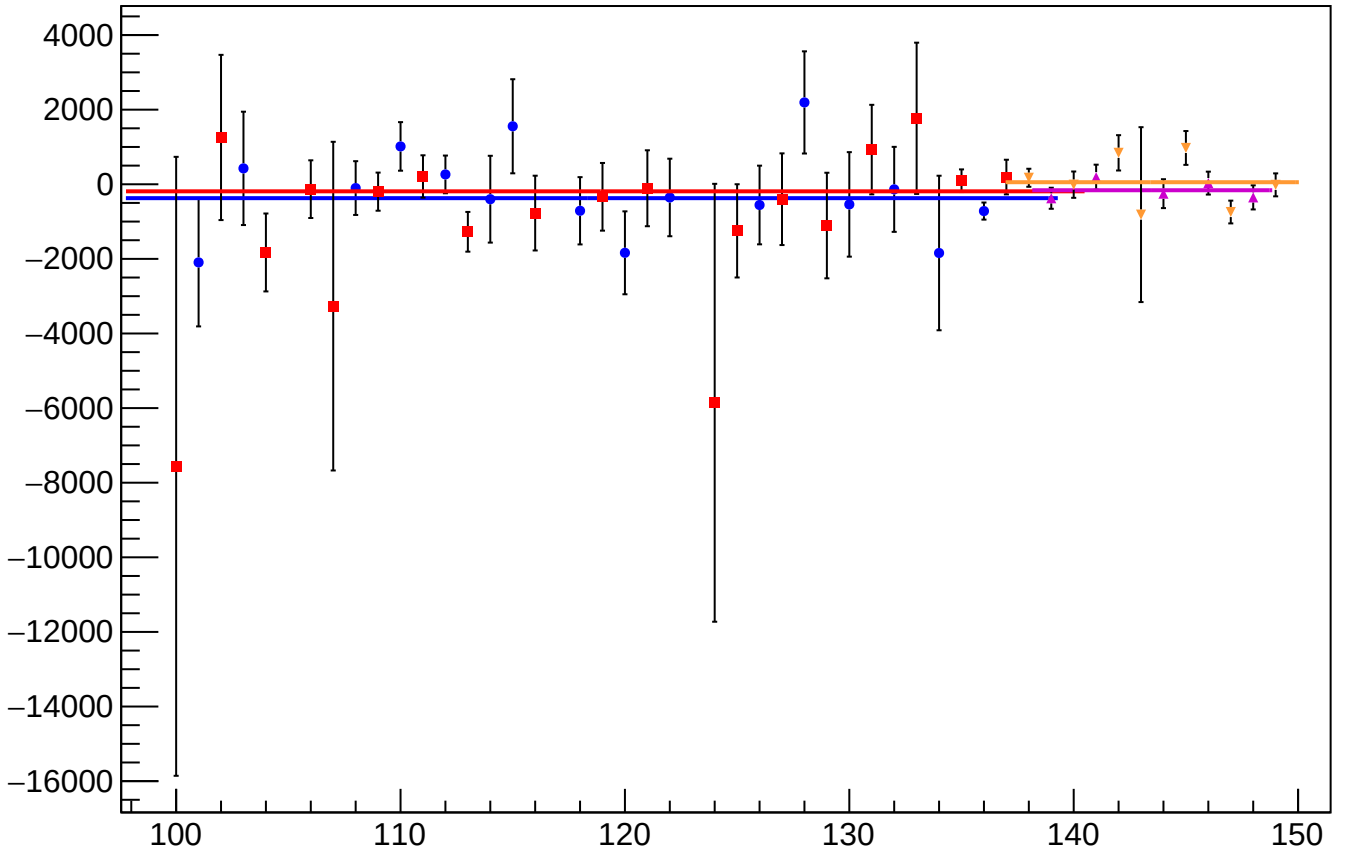
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

+ sign 1307.040+/-0.264 χ^2/NDF: 664960.5/22

All: 1301.266+/-0.189 χ^2/NDF: 1003188.7/46

- 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: 55.253+/-133.653 χ^2/NDF:14.2/6

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

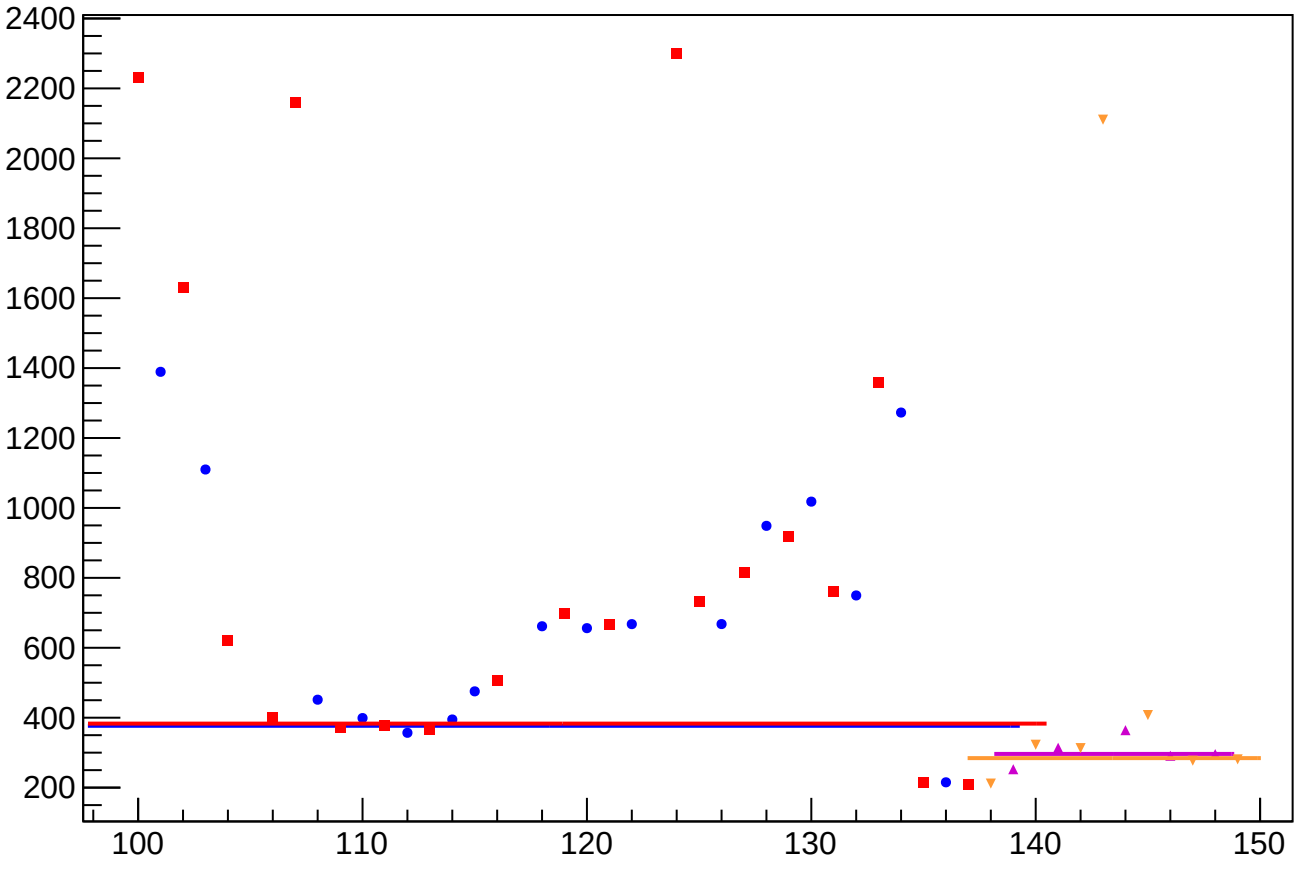
Left In: -160.187+/-143.929 χ^2/NDF:2.5/4

+ sign -110.229+/-104.641 χ^2/NDF: 36.3/22

All: -139.758+/-75.728 χ^2/NDF: 53.6/46

- sign -172.229+/-109.732 χ^2/NDF: 17.1/23

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 284.379+/-0.095 χ^2/NDF:1575530.1/6

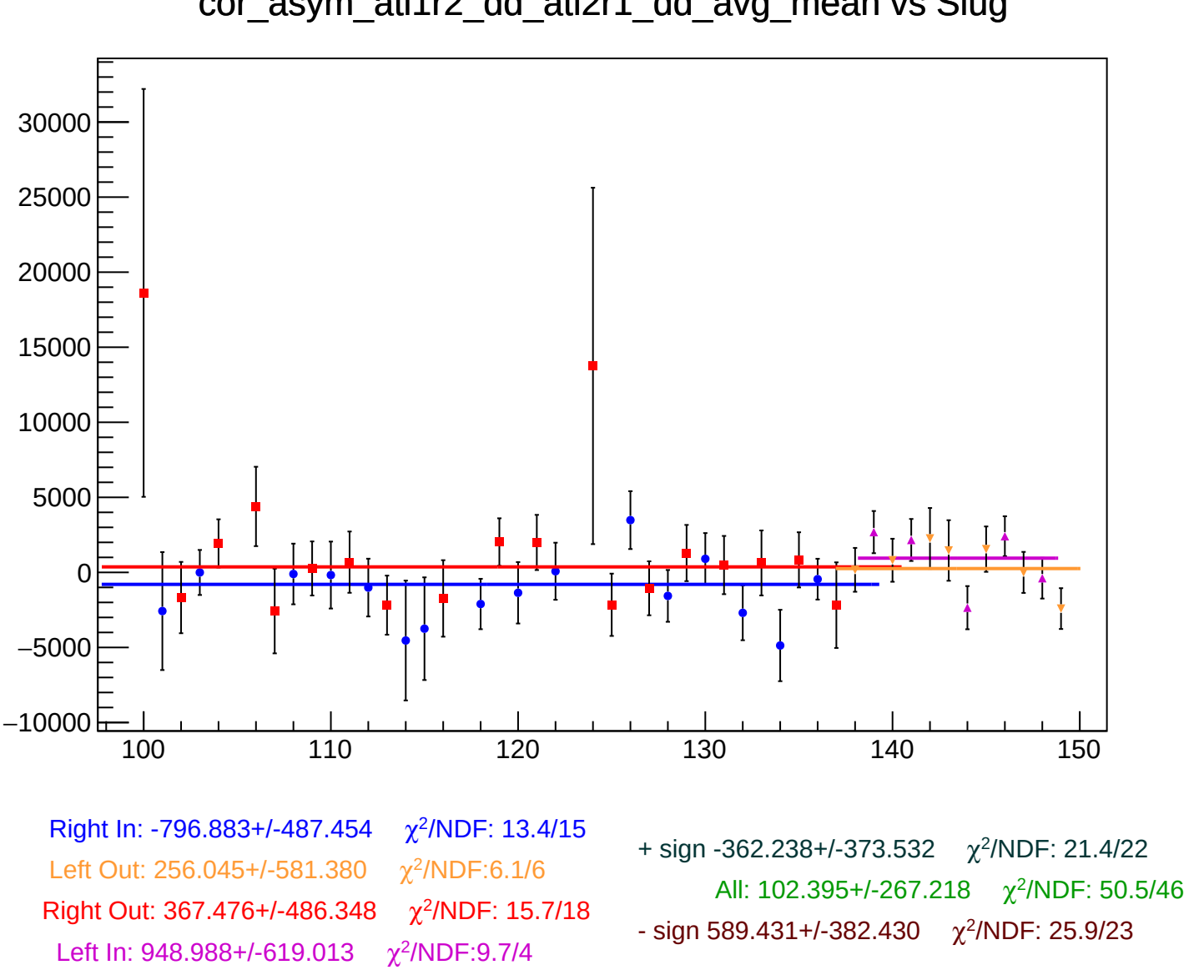
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 296.400+/-0.102 χ^2/NDF:115773.0/4

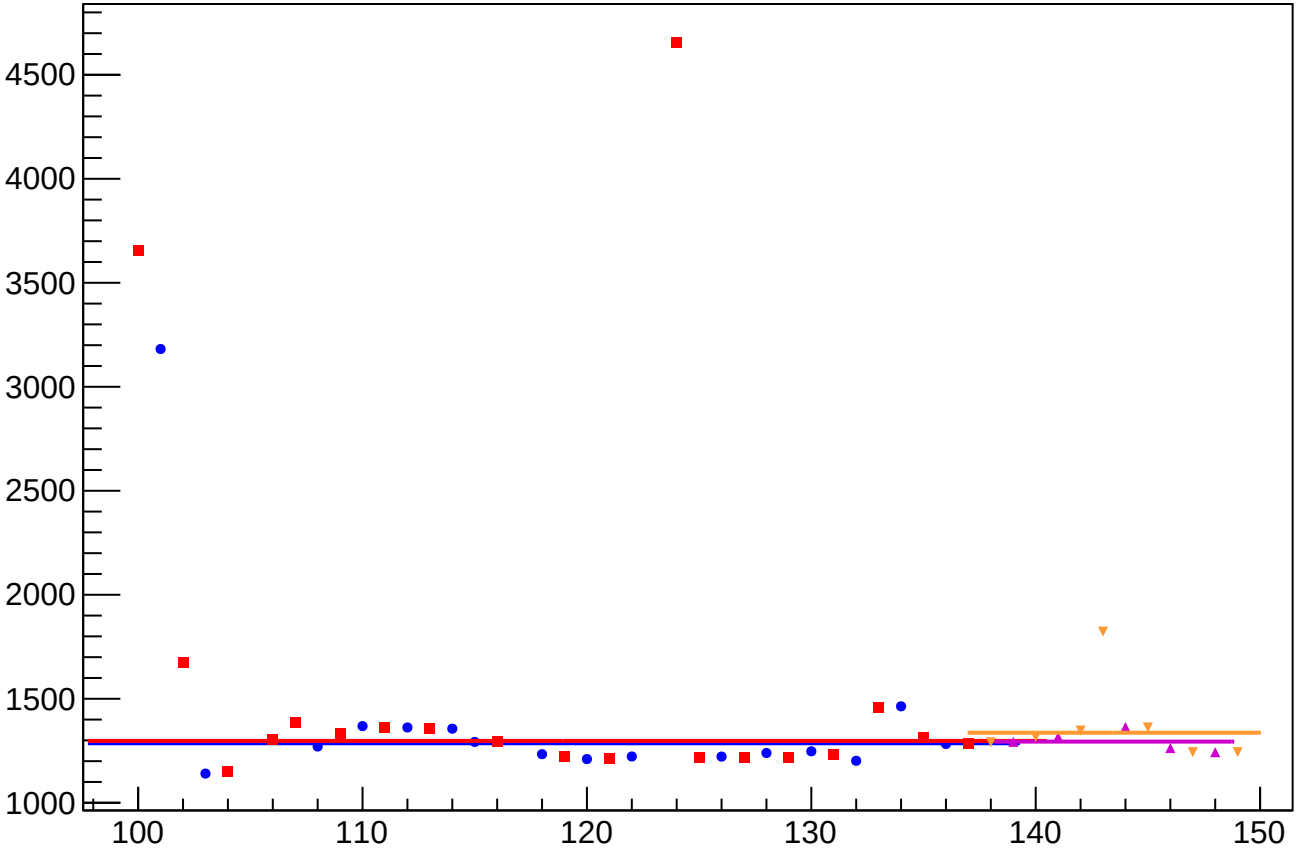
+ sign 320.184+/-0.074 χ^2/NDF: 6136591.6/22

All: 326.142+/-0.054 χ^2/NDF: 10623808.5/46

- sign 332.693+/-0.078 χ^2/NDF: 4473603.3/23


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 256.045+/-581.380 χ²/NDF:6.1/6
Right Out: 367.476+/-486.348 χ²/NDF: 15.7/18
Left In: 948.988+/-619.013 χ²/NDF:9.7/4
+ sign -362.238+/-373.532 χ²/NDF: 21.4/22
All: 102.395+/-267.218 χ²/NDF: 50.5/46
- sign 589.431+/-382.430 χ²/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: 1336.831+/-0.411 χ^2/NDF:137890.3/6

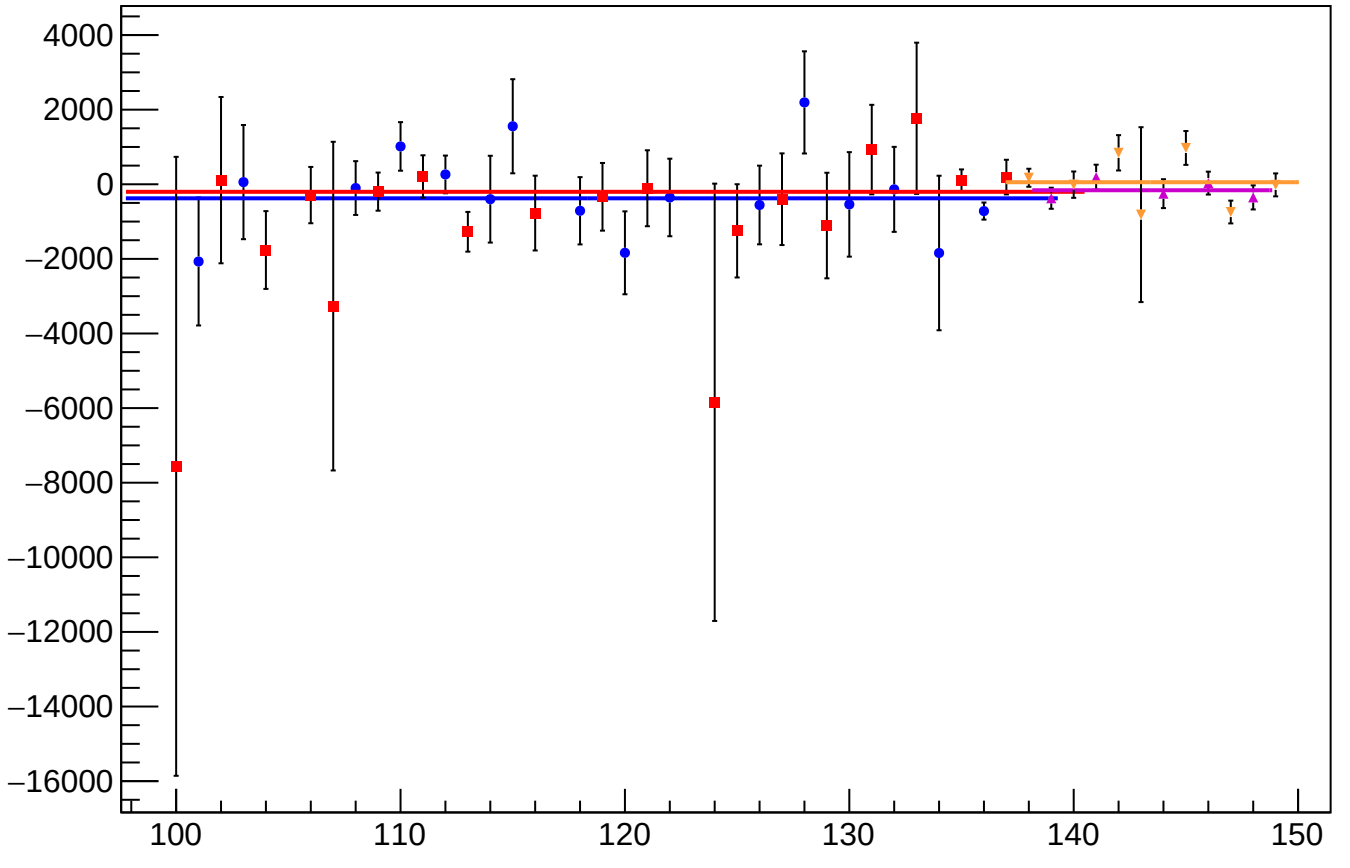
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

+ sign 1307.040+/-0.264 χ^2/NDF: 664962.0/22

All: 1301.707+/-0.189 χ^2/NDF: 1002743.2/46

- 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: 55.218+/-133.658 χ^2/NDF:14.2/6

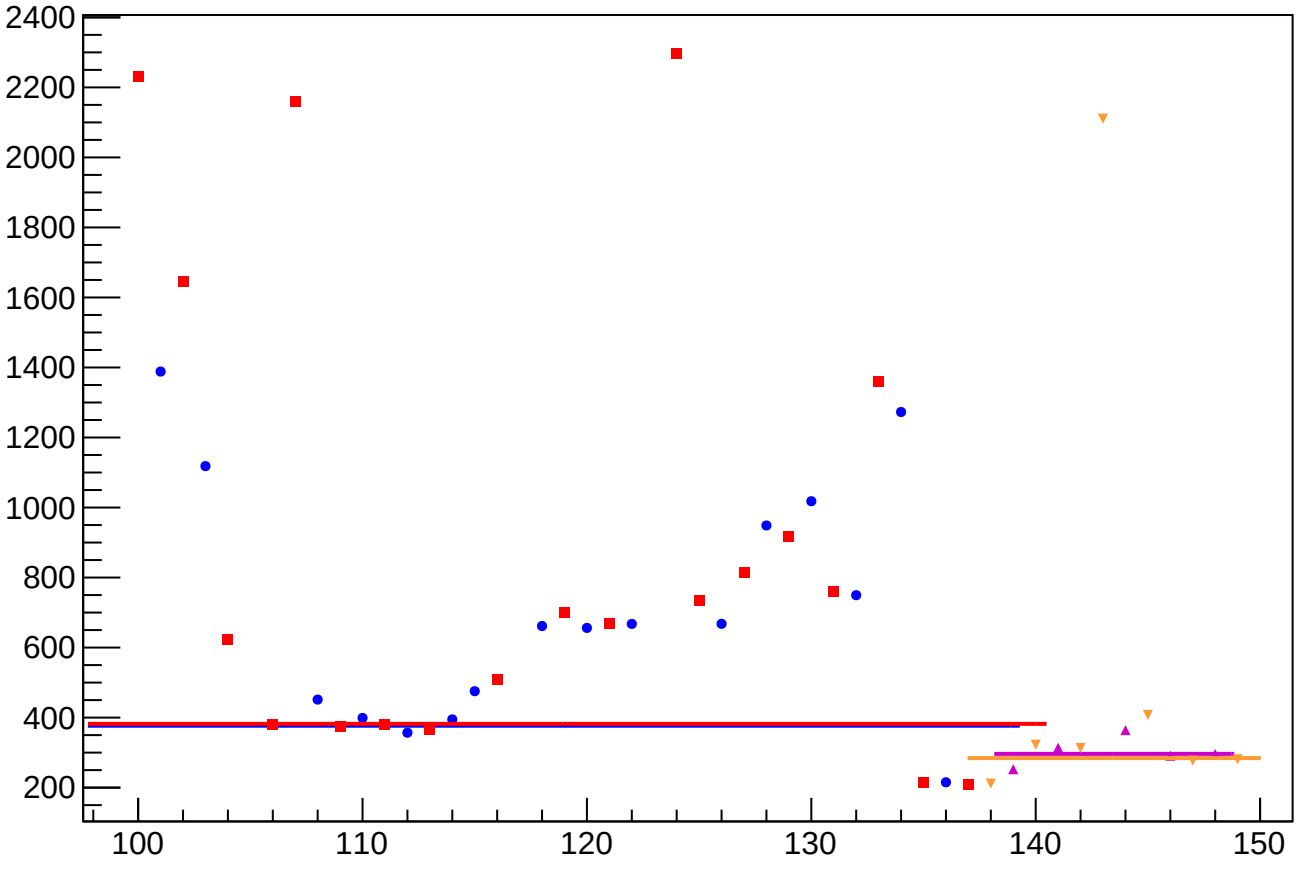
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -160.282+/-143.928 χ^2/NDF:2.5/4

+ sign -111.954+/-104.648 χ^2/NDF: 36.2/22

All: -143.349+/-75.713 χ^2/NDF: 52.9/46

- 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: 284.390+/-0.095 χ^2/NDF:1575536.7/6

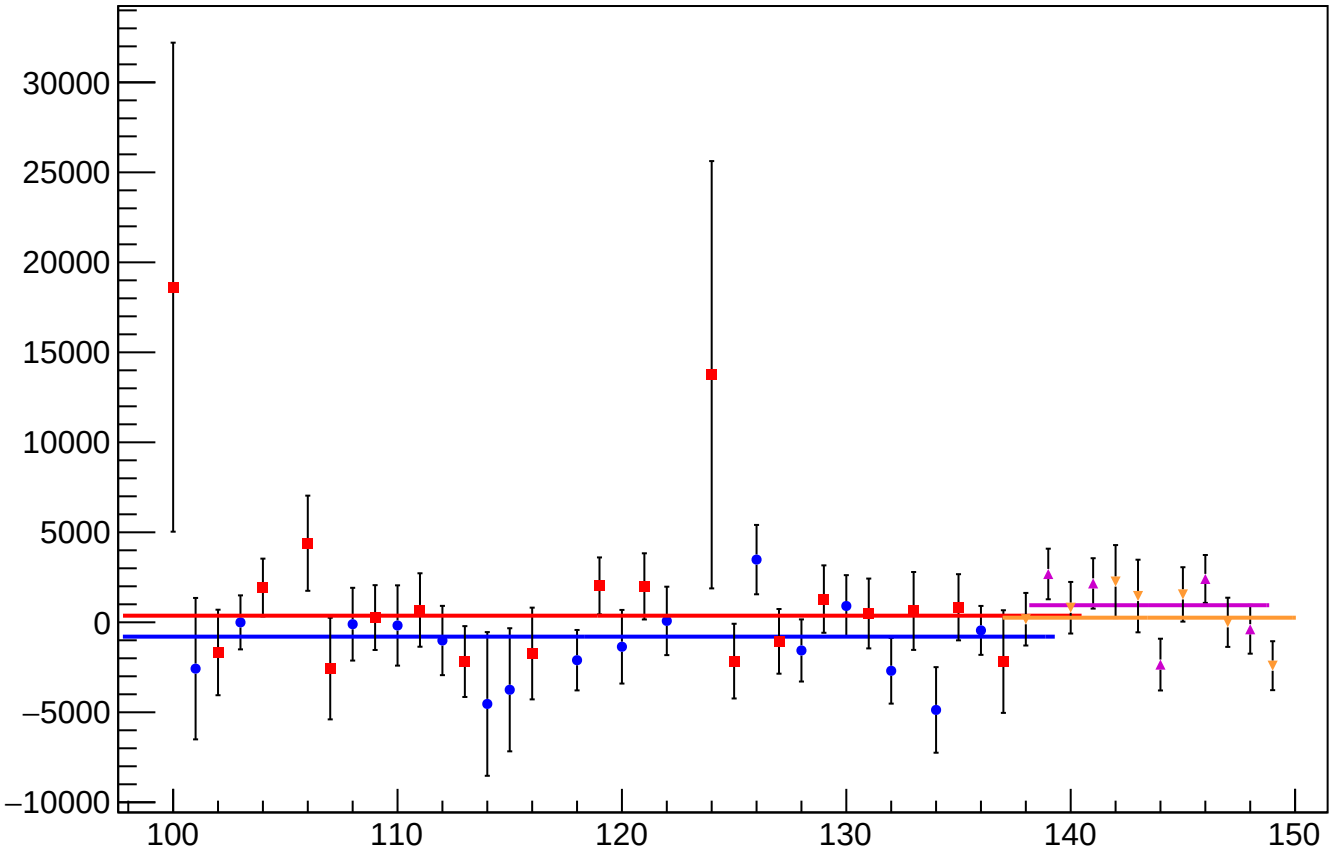
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

+ sign 320.183+/-0.074 χ^2/NDF: 6139510.3/22

All: 325.981+/-0.054 χ^2/NDF: 10625326.6/46

- 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: 256.045+/-581.380 χ^2/NDF:6.1/6

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

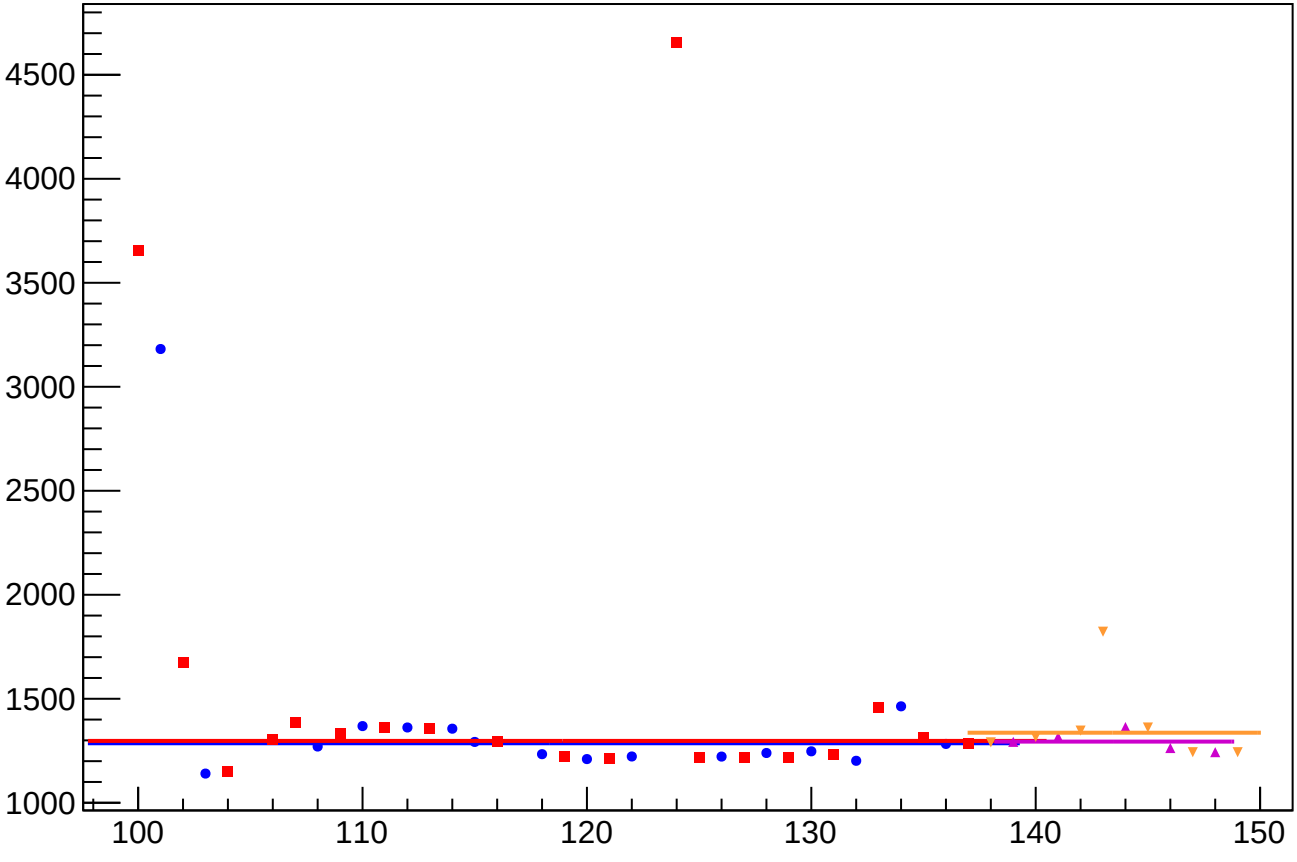
Left In: 948.988+/-619.013 χ^2/NDF:9.7/4

+ sign -362.238+/-373.532 χ^2/NDF: 21.4/22

All: 102.395+/-267.218 χ^2/NDF: 50.5/46

- 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: 1336.831+/-0.411 χ^2/NDF:137890.3/6

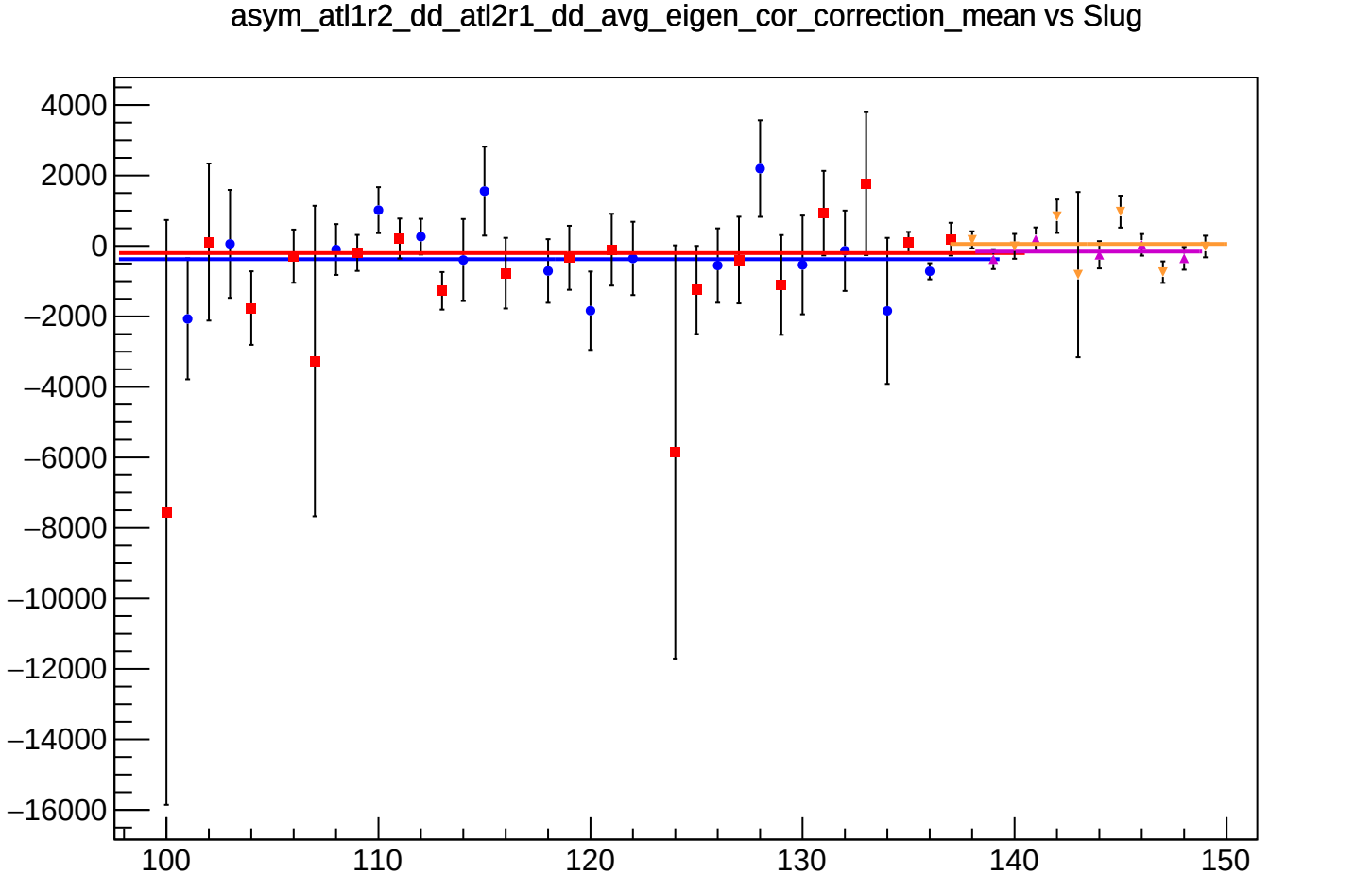
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

+ sign 1307.040+/-0.264 χ^2/NDF: 664962.0/22

All: 1301.707+/-0.189 χ^2/NDF: 1002743.2/46

- 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: 55.218+/-133.658 χ^2/NDF:14.2/6

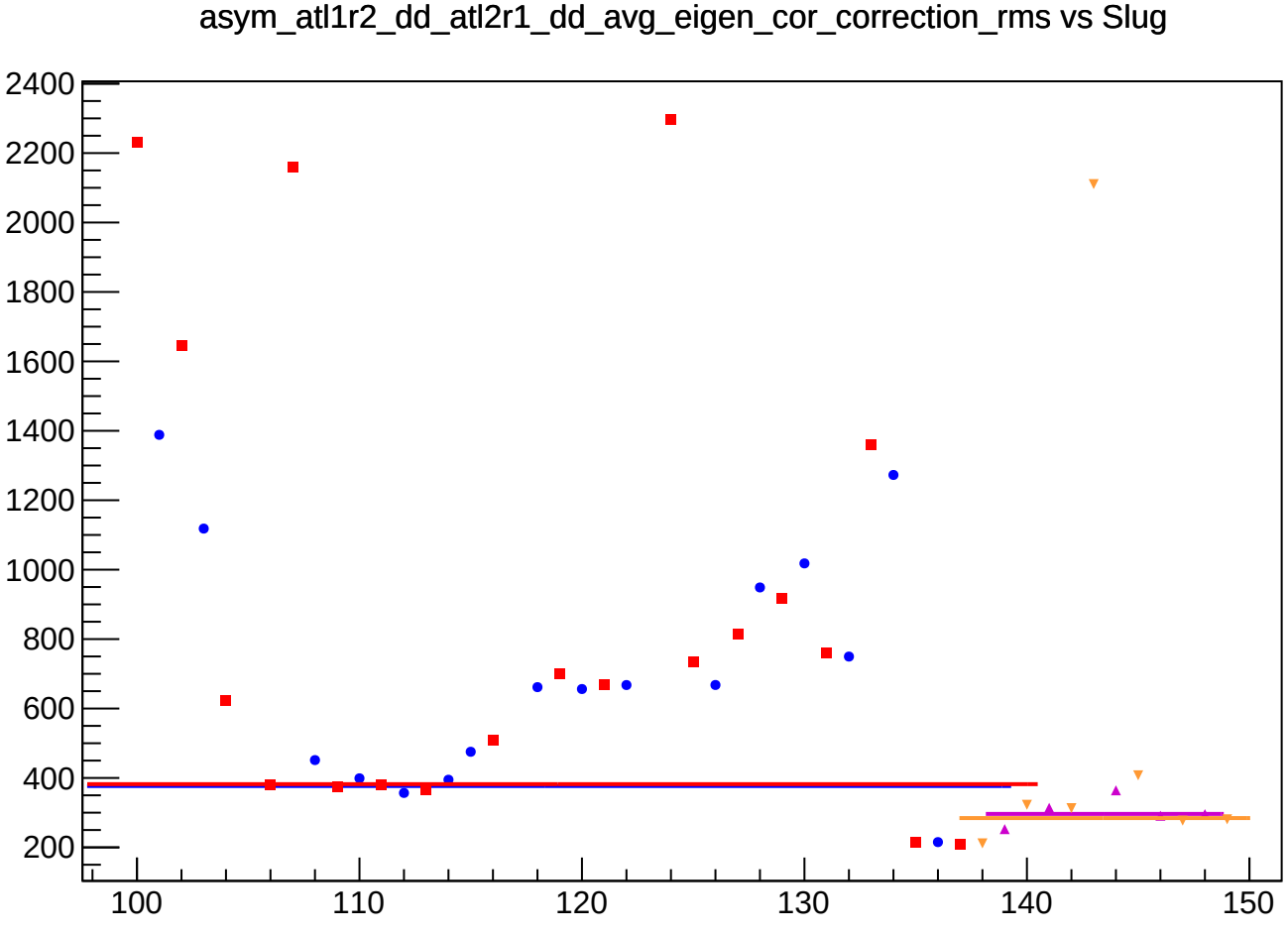
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -160.282+/-143.928 χ^2/NDF:2.5/4

+ sign -111.954+/-104.648 χ^2/NDF: 36.2/22

All: -143.349+/-75.713 χ^2/NDF: 52.9/46

- 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: 284.390+/-0.095 χ^2/NDF:1575536.7/6

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

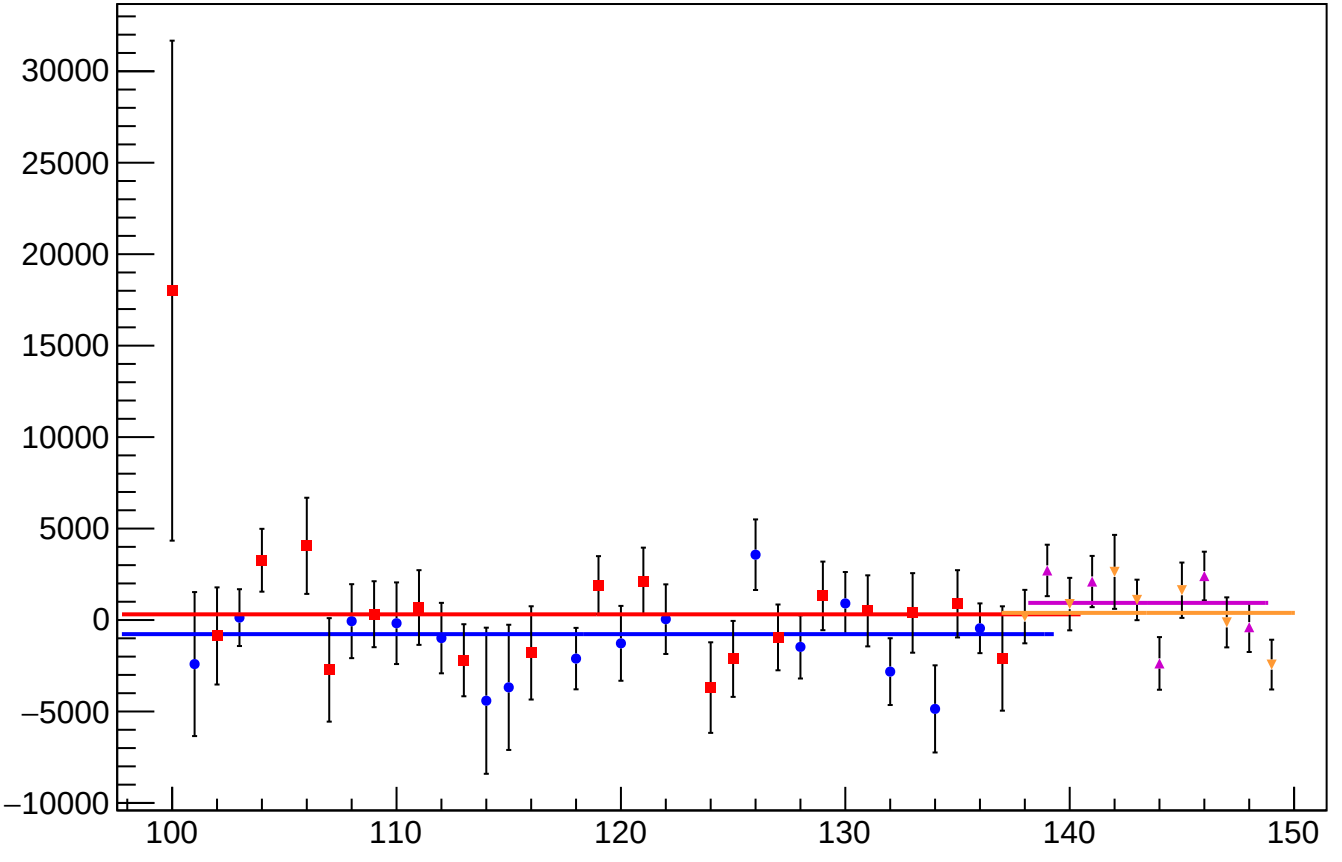
Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

+ sign 320.183+/-0.074 χ^2/NDF: 6139510.3/22

All: 325.981+/-0.054 χ^2/NDF: 10625326.6/46

- 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: 390.709+/-532.459 χ^2/NDF:6.9/6

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

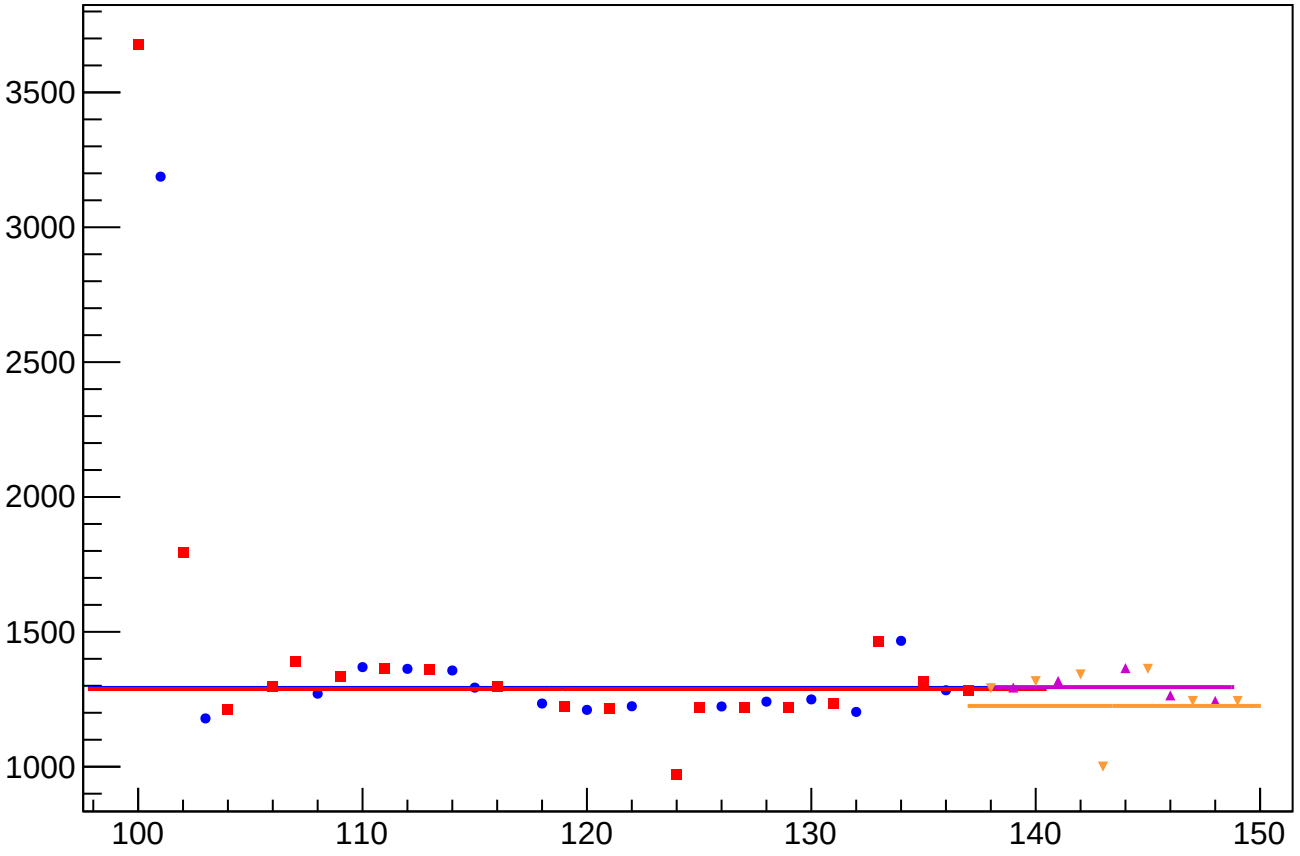
Left In: 937.011+/-619.503 χ^2/NDF:9.7/4

+ sign -239.042+/-360.401 χ^2/NDF: 23.1/22

All: 132.765+/-261.735 χ^2/NDF: 53.7/46

- 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: 1225.386+/-0.377 χ^2/NDF:118799.5/6

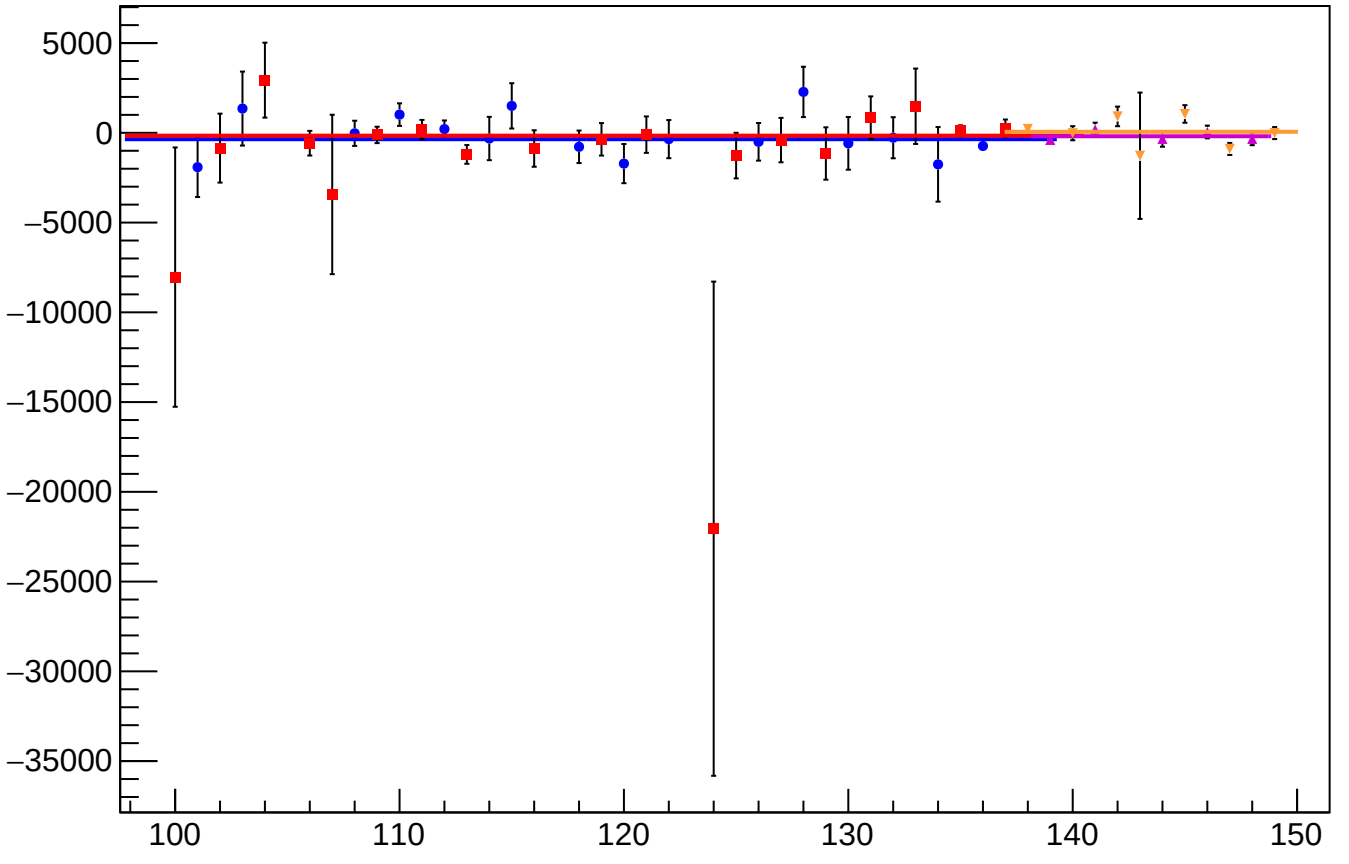
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1295.063+/-0.438 χ^2/NDF:9218.0/4

\+ sign 1261.502+/-0.255 χ^2/NDF: 645187.1/22

All: 1275.282+/-0.185 χ^2/NDF: 869963.2/46

\- 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: 57.041+/-143.217 χ^2/NDF:15.4/6

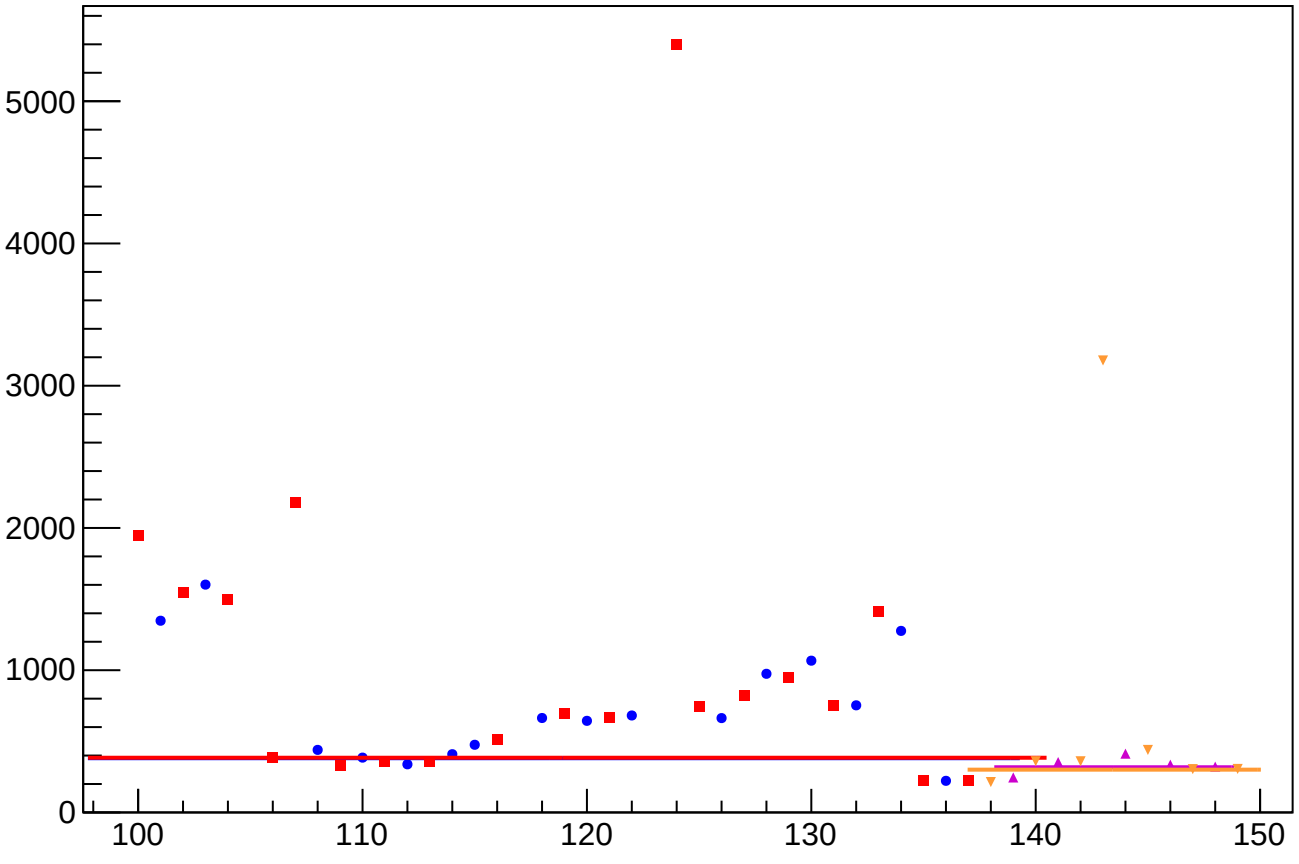
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -192.040+/-155.654 χ^2/NDF:2.3/4

\+ sign -114.130+/-109.521 χ^2/NDF: 37.3/22

All: -143.851+/-79.210 χ^2/NDF: 55.6/46

\- 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: 300.837+/-0.101 χ^2/NDF:1822142.5/6

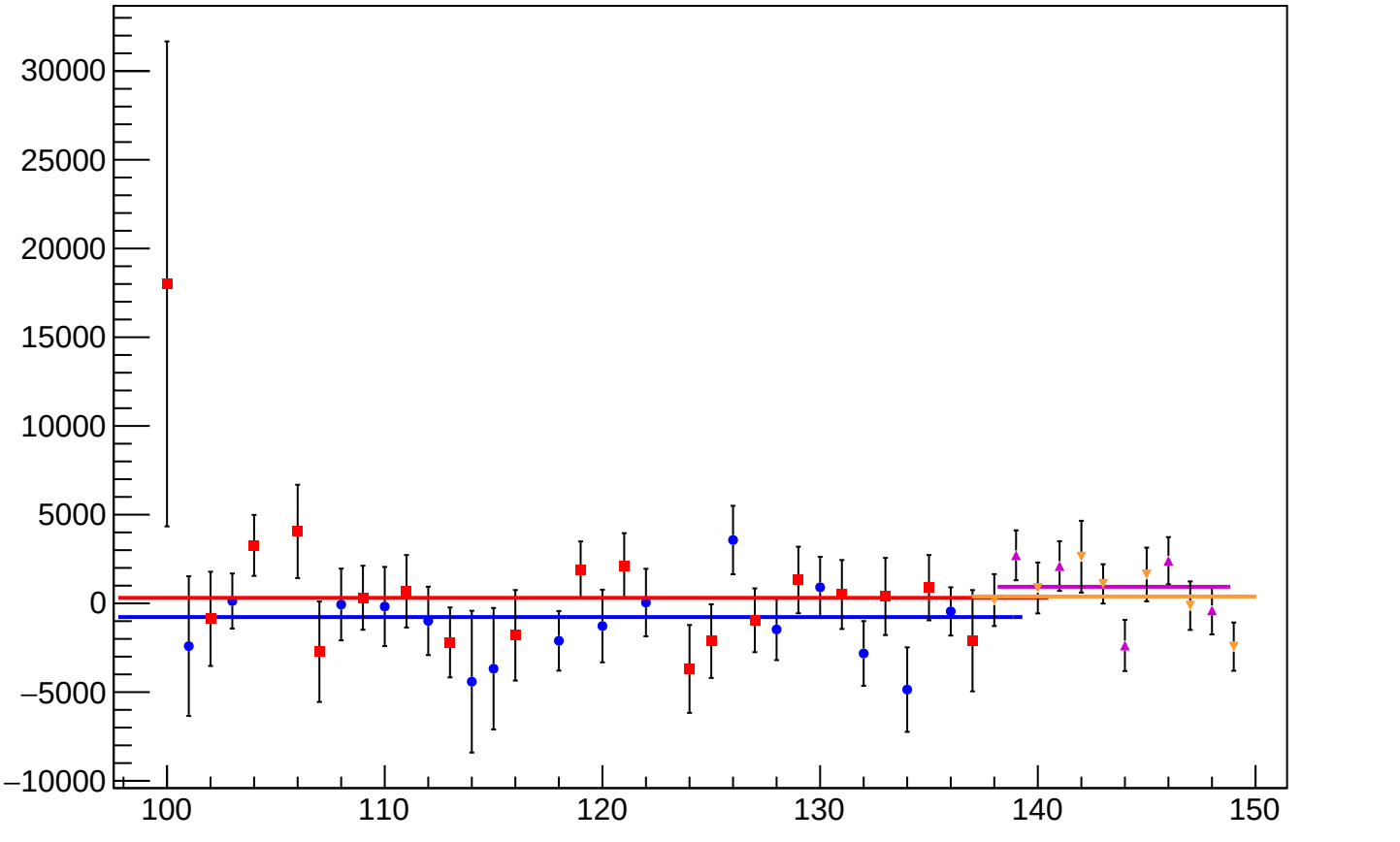
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 317.710+/-0.110 χ^2/NDF:253908.7/4

+ sign 334.265+/-0.077 χ^2/NDF: 6402497.5/22

All: 340.960+/-0.056 χ^2/NDF: 11401334.9/46

- 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: 390.709+/-532.459 χ^2/NDF:6.9/6

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

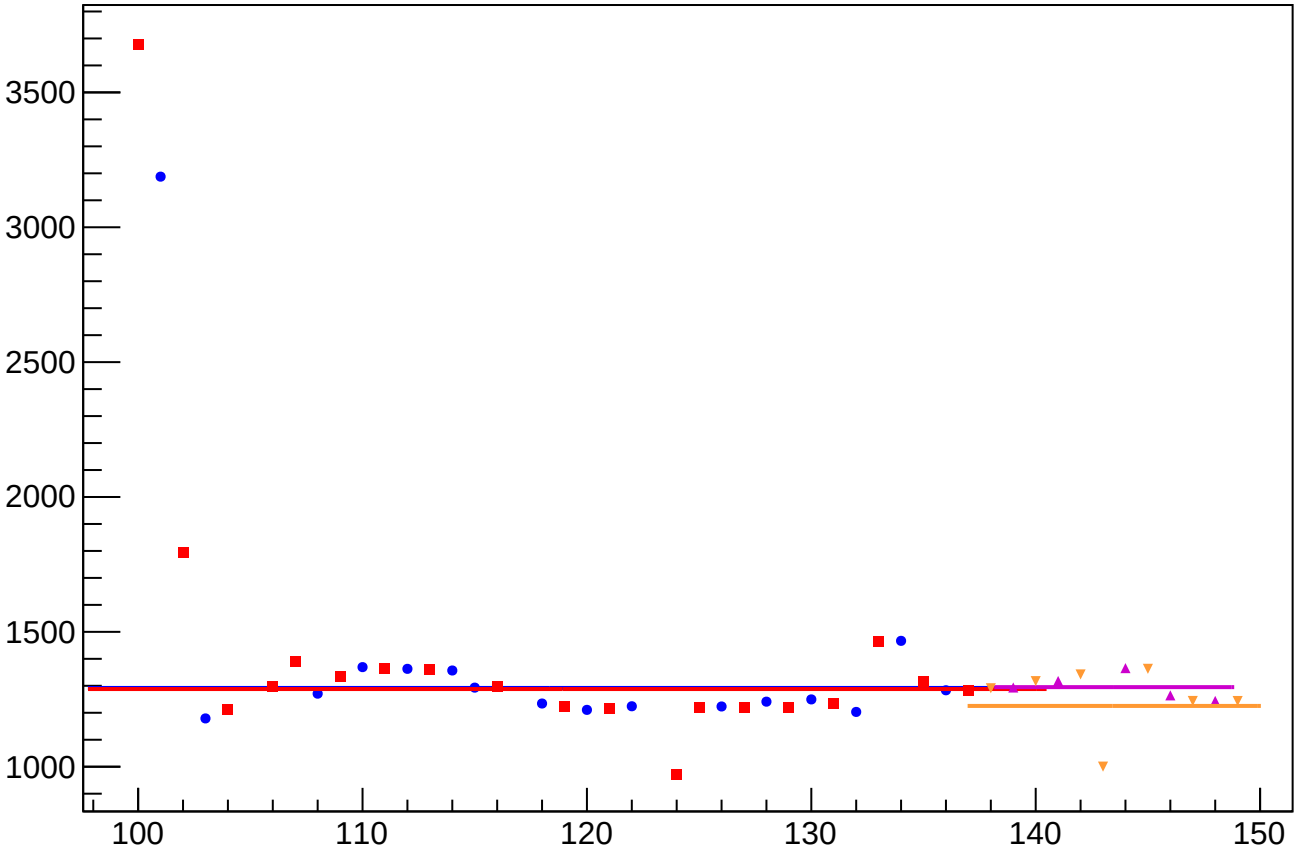
Left In: 937.007+/-619.503 χ^2/NDF:9.7/4

+ sign -239.044+/-360.401 χ^2/NDF: 23.1/22

All: 132.764+/-261.735 χ^2/NDF: 53.7/46

- 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: 1225.386+/-0.377 χ^2/NDF:118798.7/6

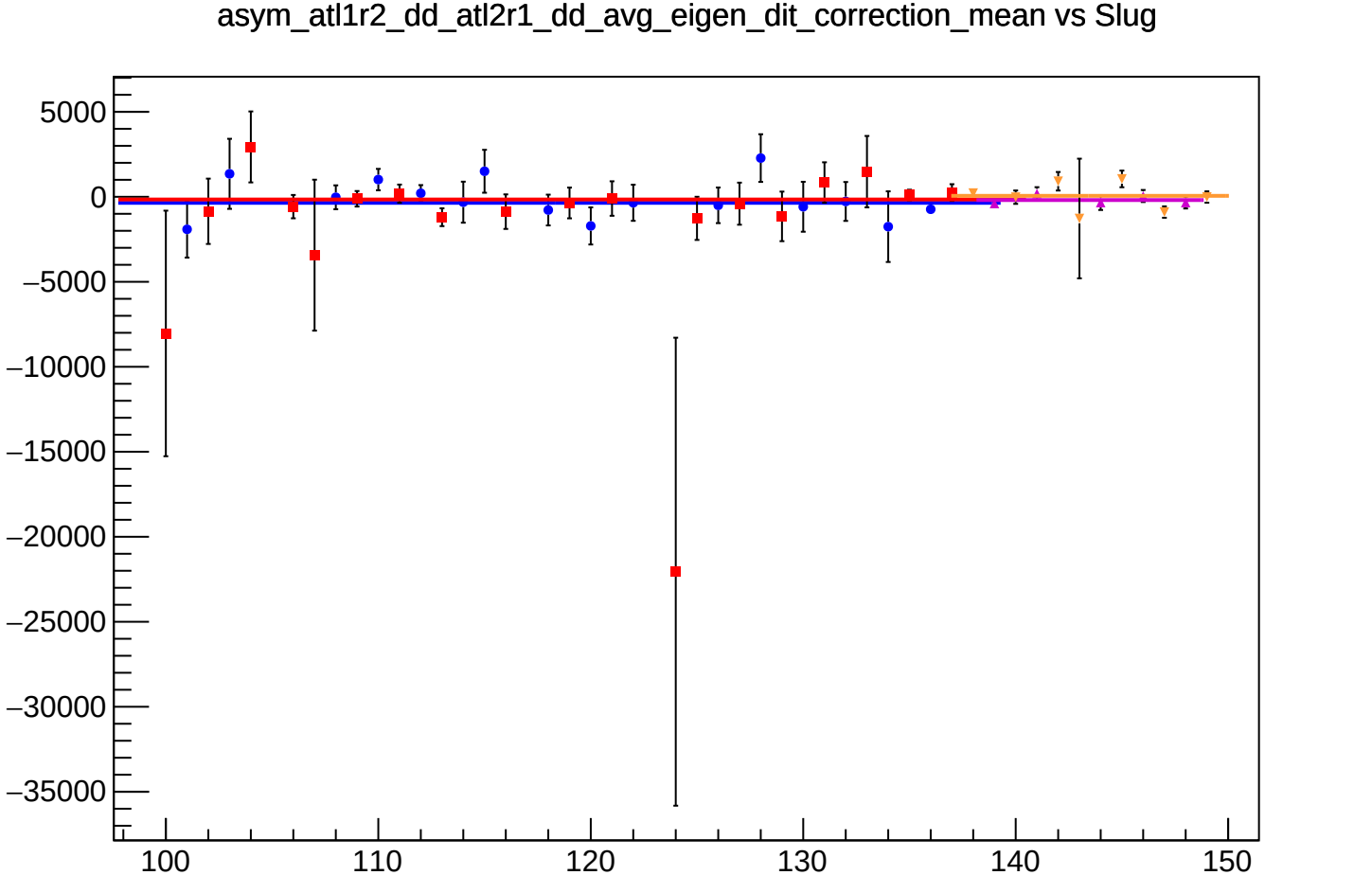
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1295.063+/-0.438 χ^2/NDF:9218.0/4

+ sign 1261.502+/-0.255 χ^2/NDF: 645186.2/22

All: 1275.282+/-0.185 χ^2/NDF: 869962.5/46

- 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: 57.035+/-143.220 χ^2/NDF:15.4/6

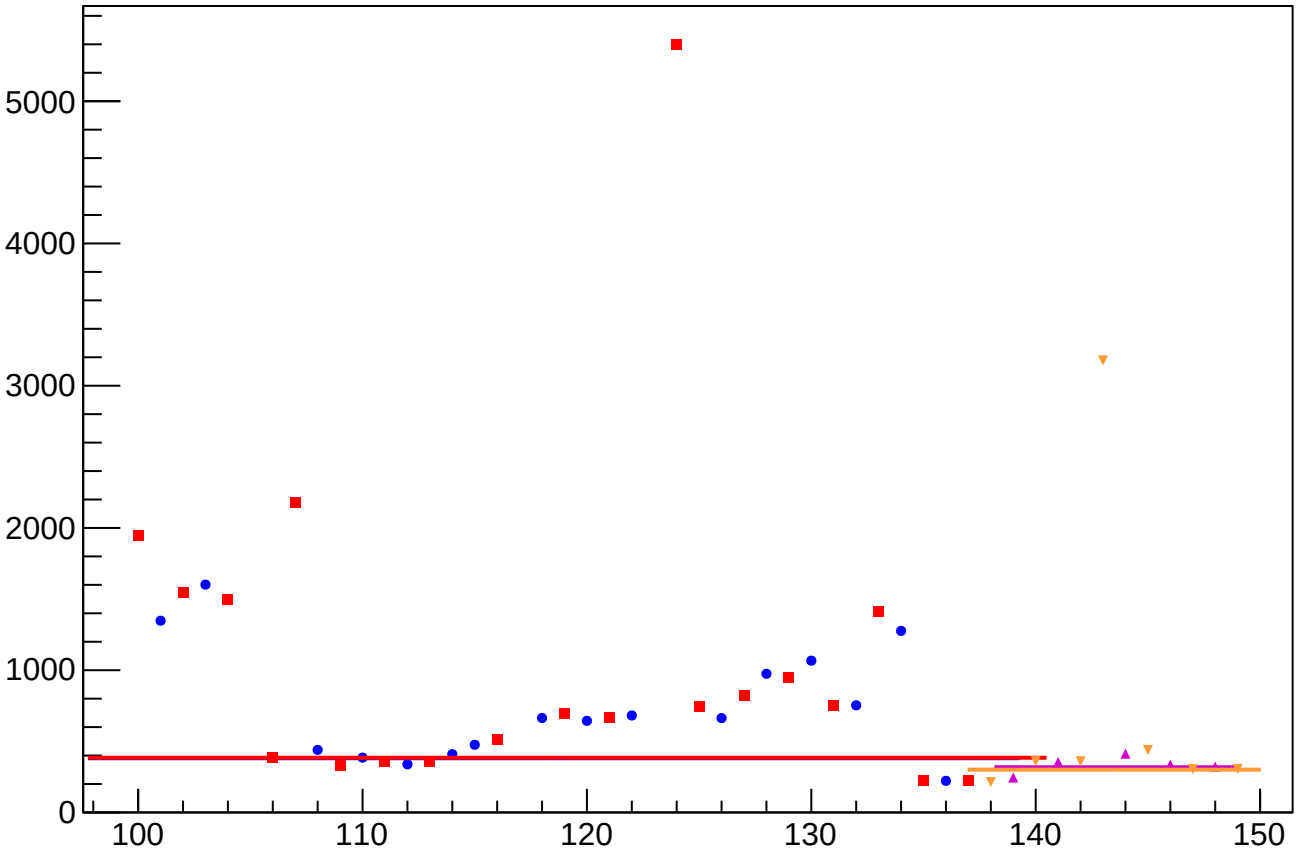
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -192.041+/-155.657 χ^2/NDF:2.3/4

\+ sign -114.134+/-109.524 χ^2/NDF: 37.3/22

All: -143.855+/-79.212 χ^2/NDF: 55.6/46

\- 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: 300.845+/-0.101 χ^2/NDF:1822040.2/6

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

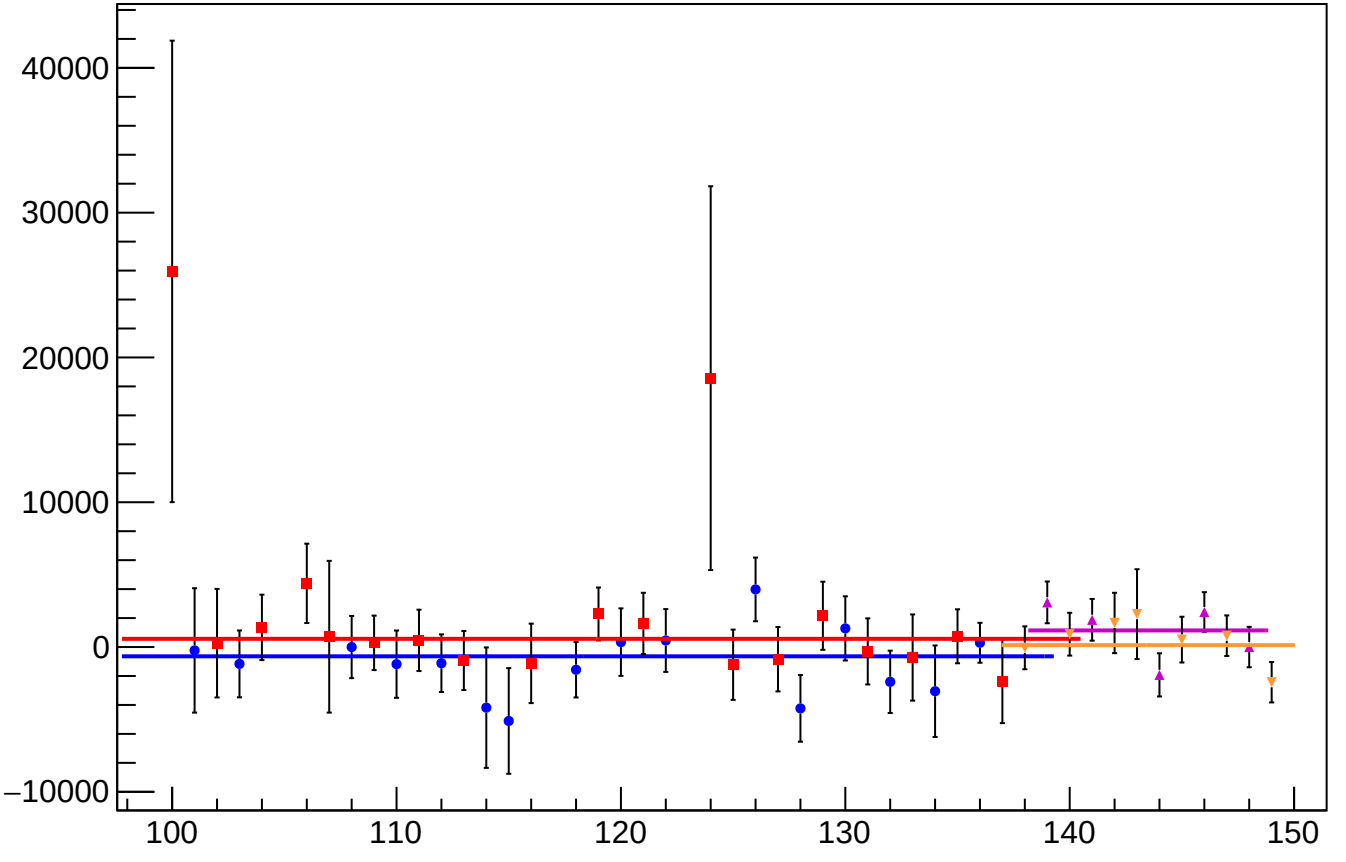
Left In: 317.717+/-0.110 χ^2/NDF:253839.1/4

+ sign 334.274+/-0.077 χ^2/NDF: 6402213.6/22

All: 340.968+/-0.056 χ^2/NDF: 11400836.5/46

- 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: 132.300+/-611.759 χ^2/NDF:4.9/6

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

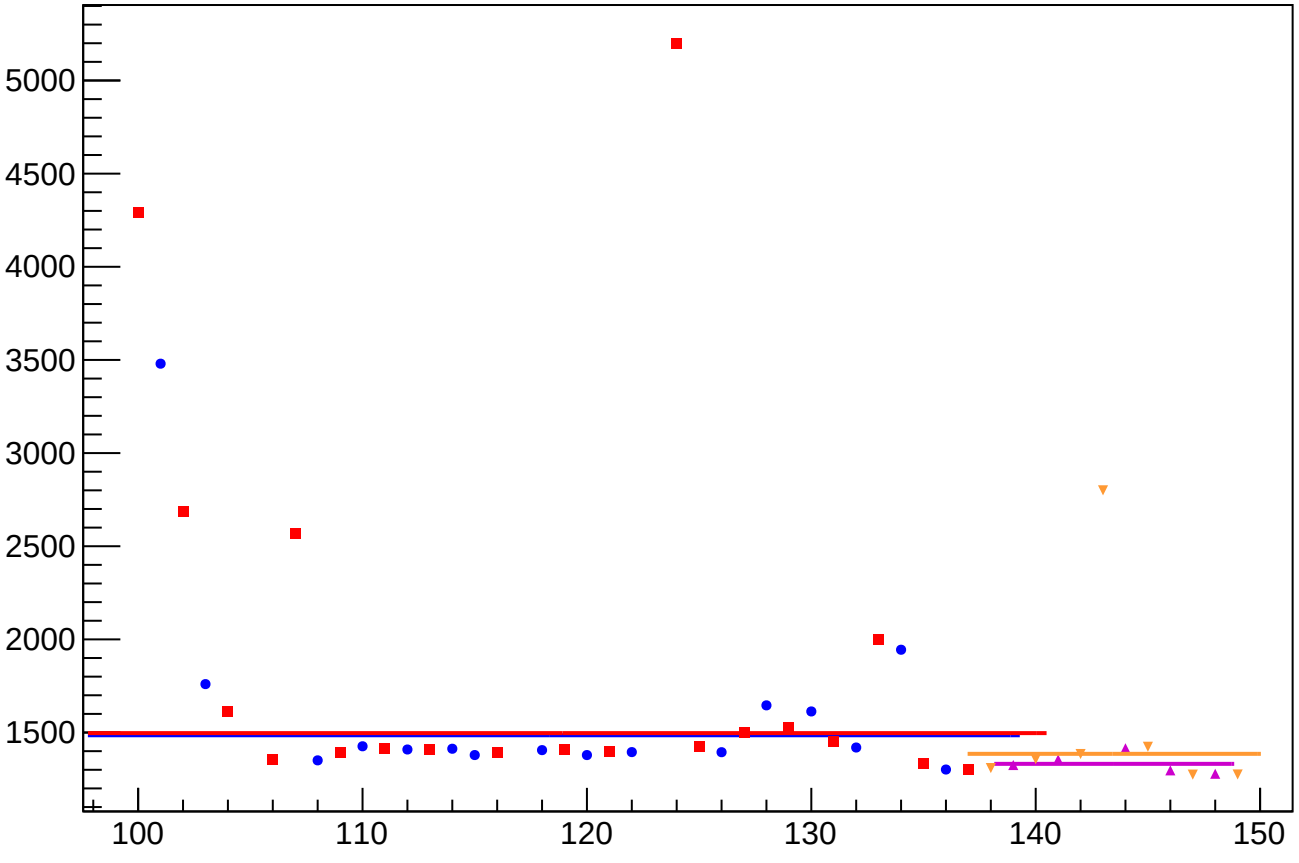
Left In: 1147.000+/-637.213 χ^2/NDF:7.9/4

+ sign -285.365+/-414.811 χ^2/NDF: 18.3/22

All: 257.499+/-296.337 χ^2/NDF: 41.4/46

- 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: 1385.641+/-0.433 χ^2/NDF:448067.7/6

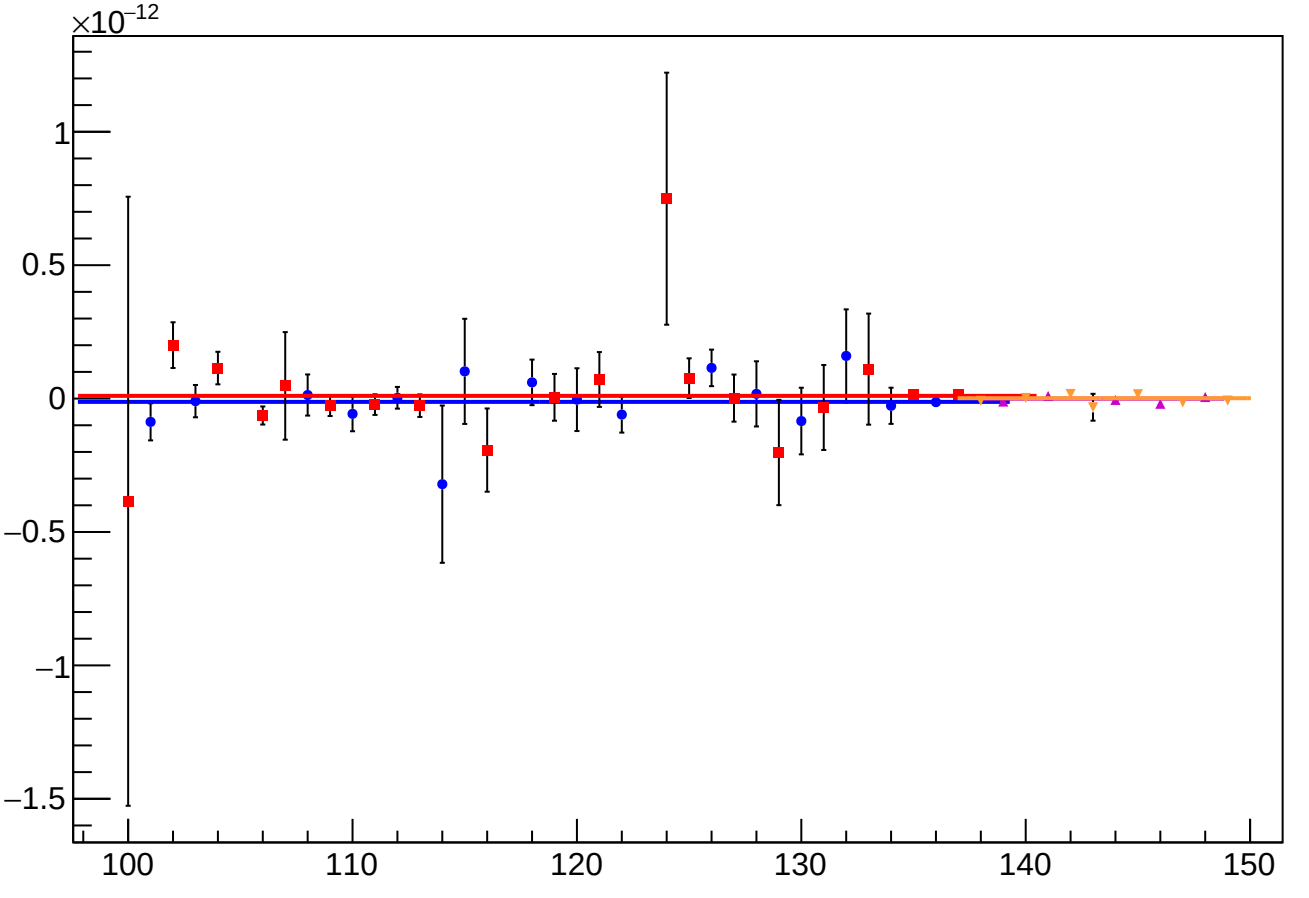
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1331.874+/-0.451 χ^2/NDF:11082.8/4

+ sign 1439.518+/-0.293 χ^2/NDF: 1061251.9/22

All: 1431.915+/-0.210 χ^2/NDF: 1771860.9/46

- 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:9.3/6

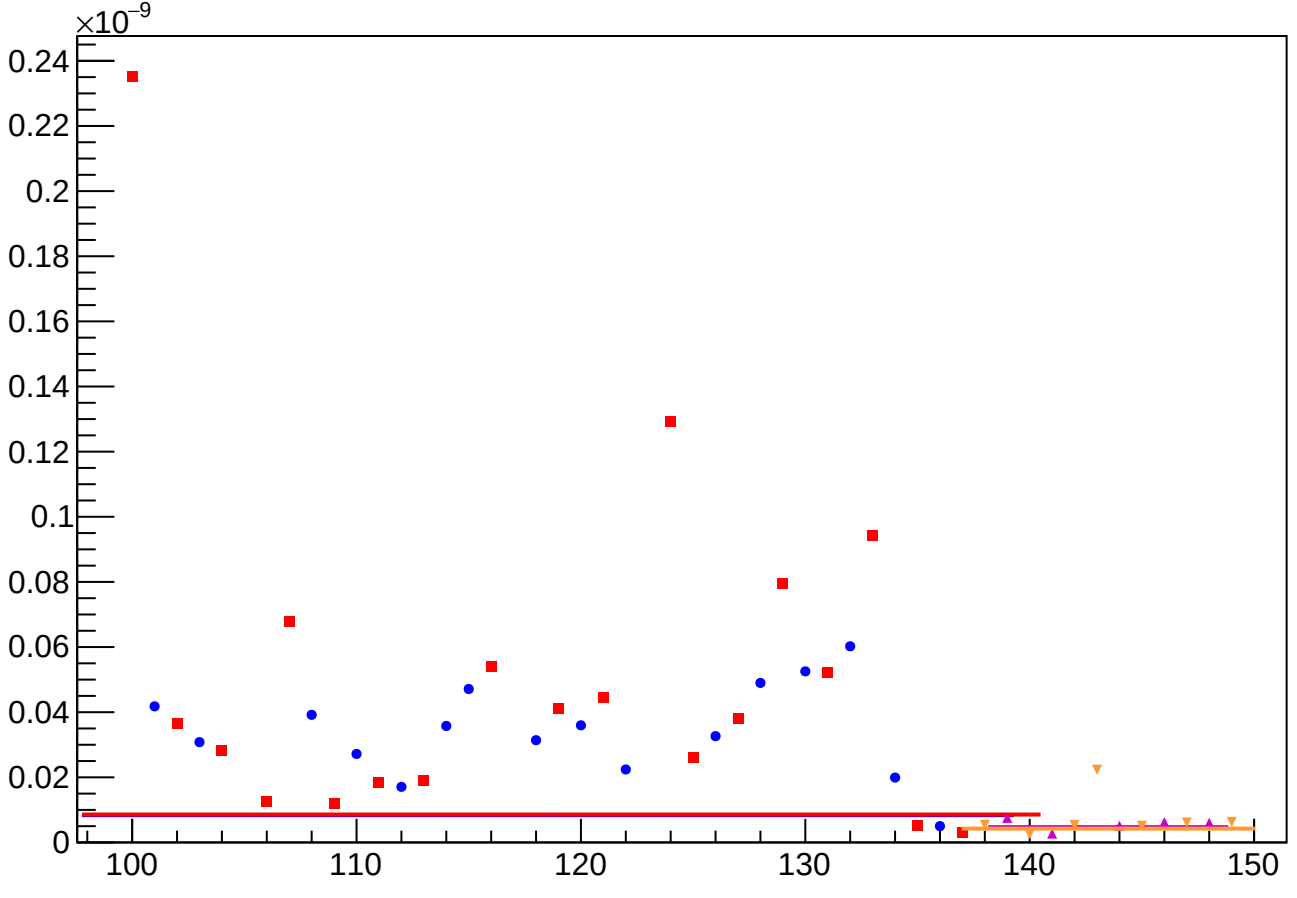
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/22

All: 0.000+/-0.000 χ^2/NDF: 53.8/46

- 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:713900.0/6

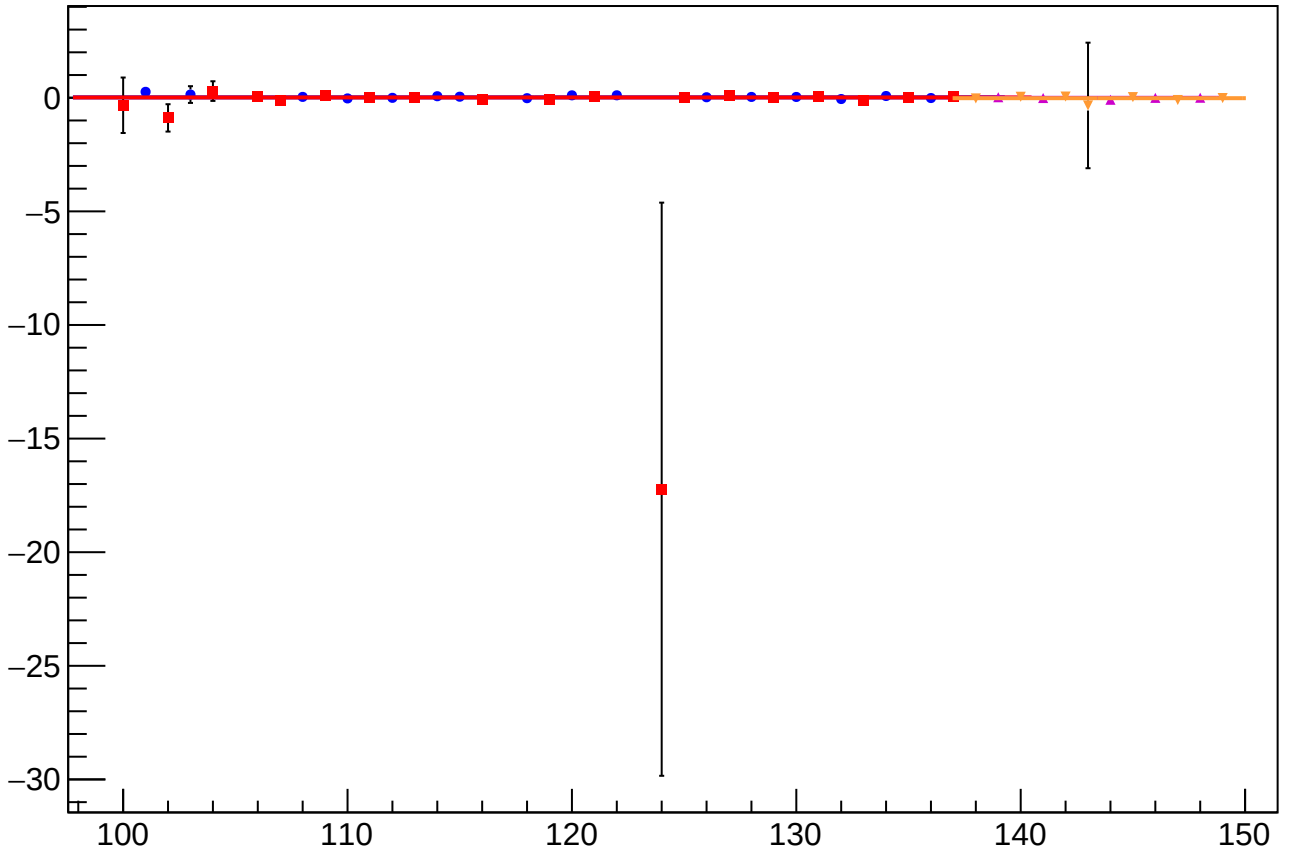
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:456853.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 4290491.5/22

All: 0.000+/-0.000 χ^2/NDF: 8500999.2/46

- 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: -0.019+/-0.015 χ^2/NDF:9.2/6

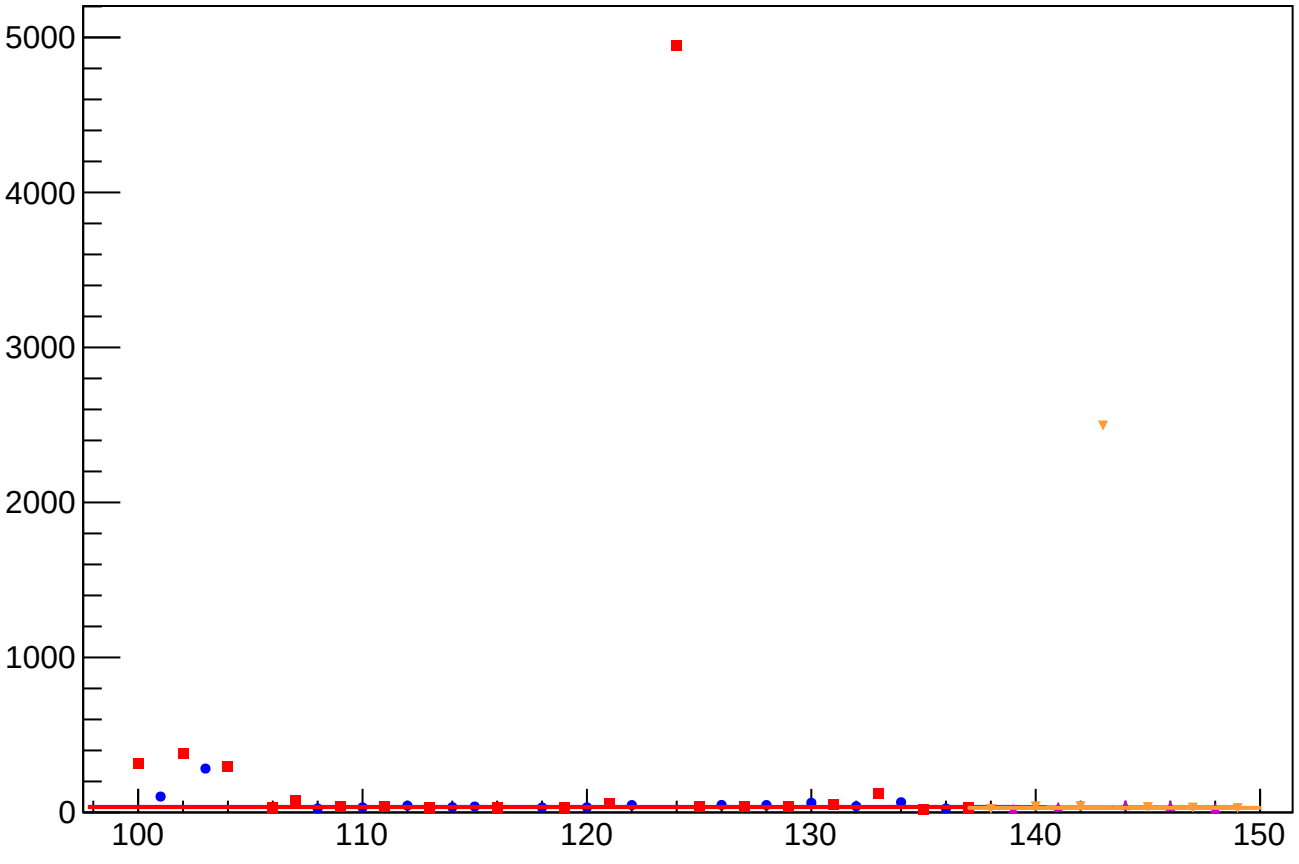
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign -0.001+/-0.011 χ^2/NDF: 23.4/22

All: 0.002+/-0.008 χ^2/NDF: 43.6/46

- 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: 29.615+/-0.011 χ^2/NDF:1905740.5/6

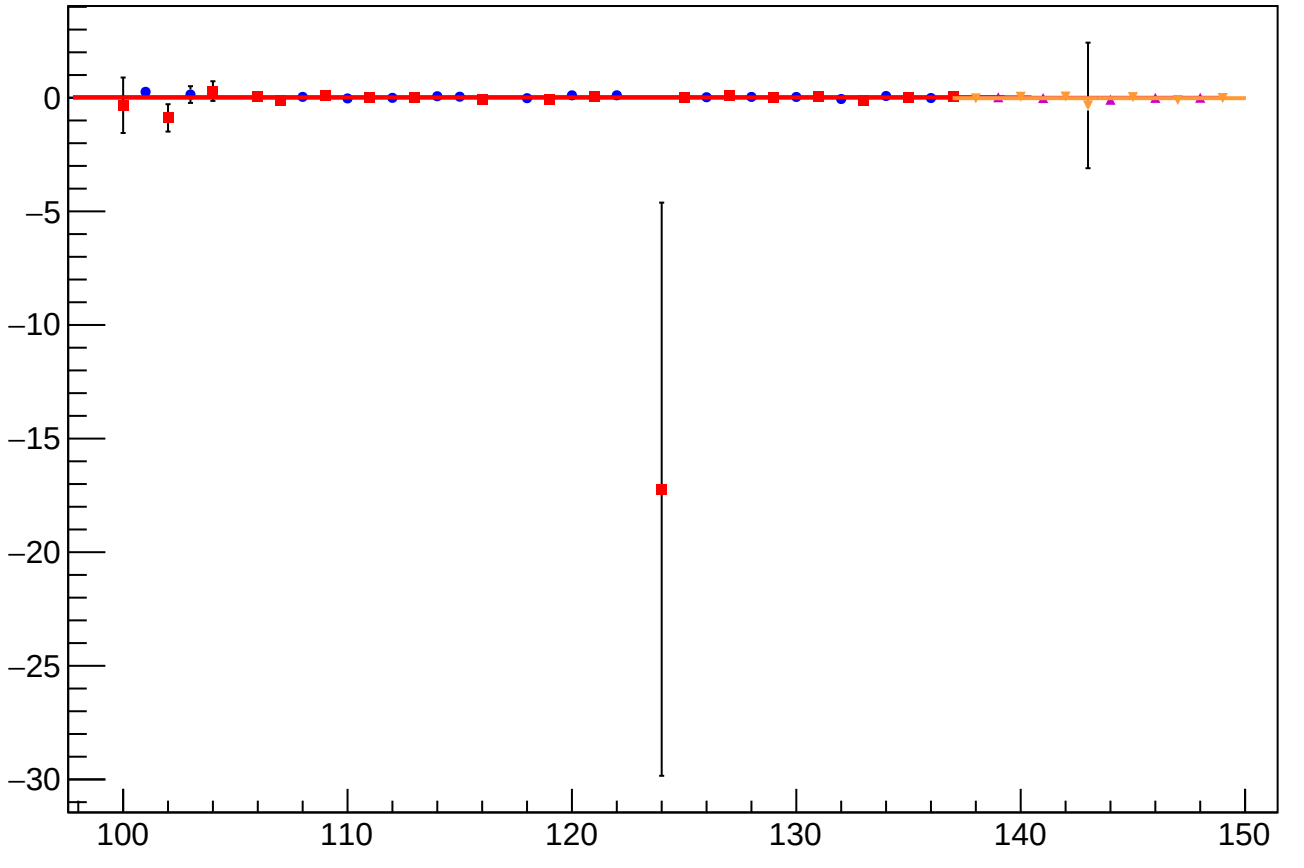
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

+ sign 32.661+/-0.008 χ^2/NDF: 4328732.7/22

All: 33.100+/-0.006 χ^2/NDF: 7753732.9/46

- 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: -0.019+/-0.015 χ^2/NDF:9.2/6

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

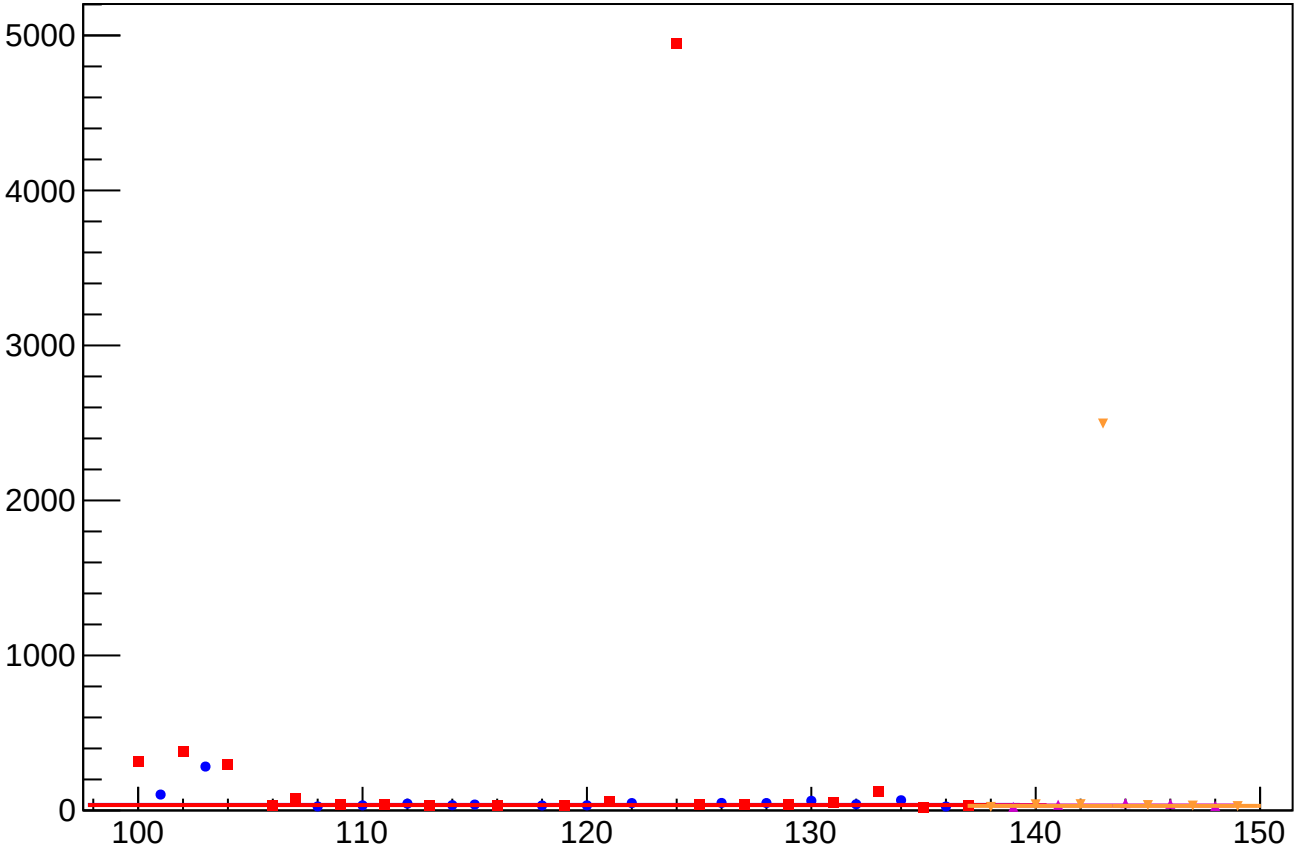
Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign -0.001+/-0.011 χ^2/NDF: 23.4/22

All: 0.002+/-0.008 χ^2/NDF: 43.6/46

- sign 0.006+/-0.012 χ^2/NDF: 20.0/23

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 29.615+/-0.011 χ^2/NDF:1905740.5/6

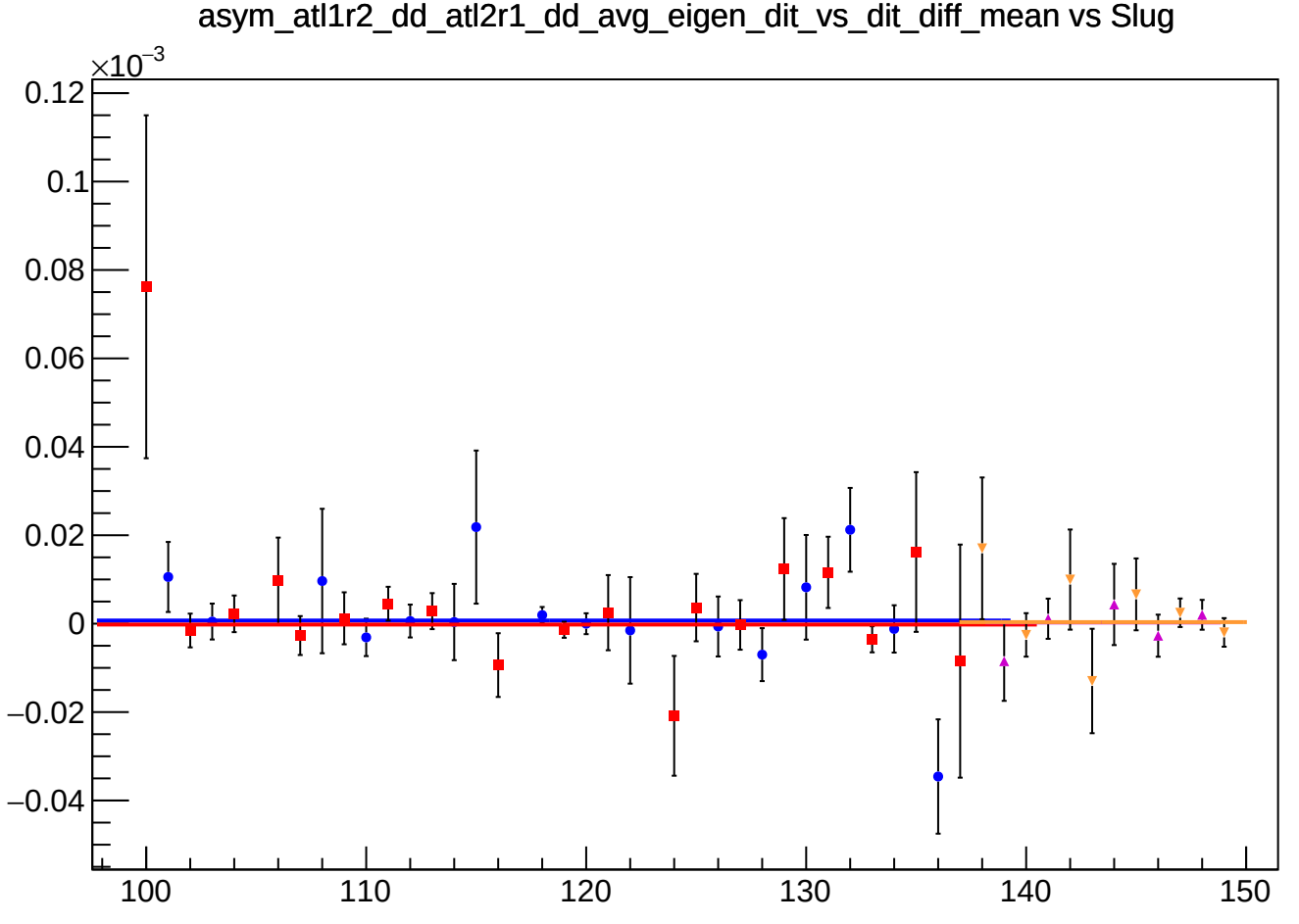
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

+ sign 32.661+/-0.008 χ^2/NDF: 4328732.7/22

All: 33.100+/-0.006 χ^2/NDF: 7753732.9/46

- 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:5.0/6

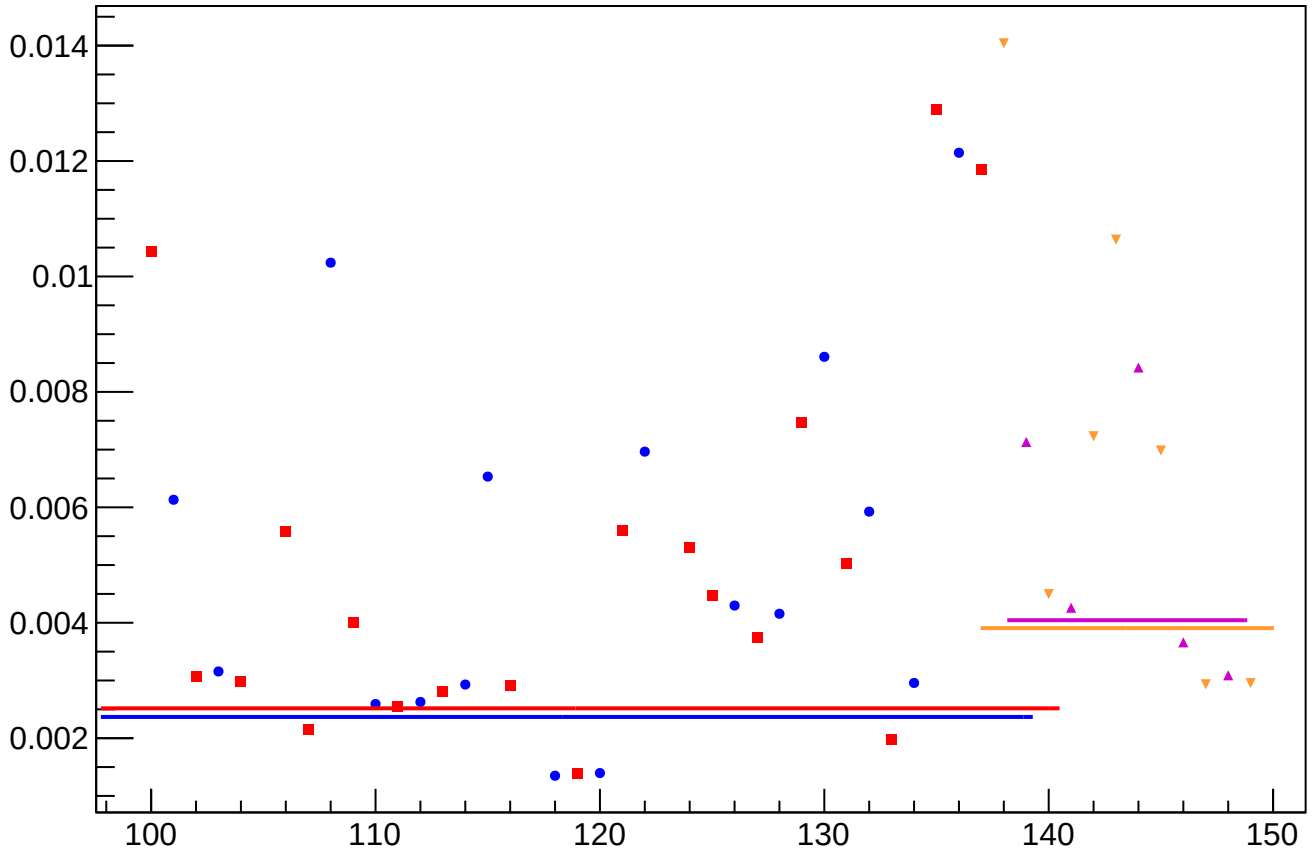
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 24.1/22

All: 0.000+/-0.000 χ^2/NDF: 44.3/46

- sign -0.000+/-0.000 χ^2/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:2291573.9/6

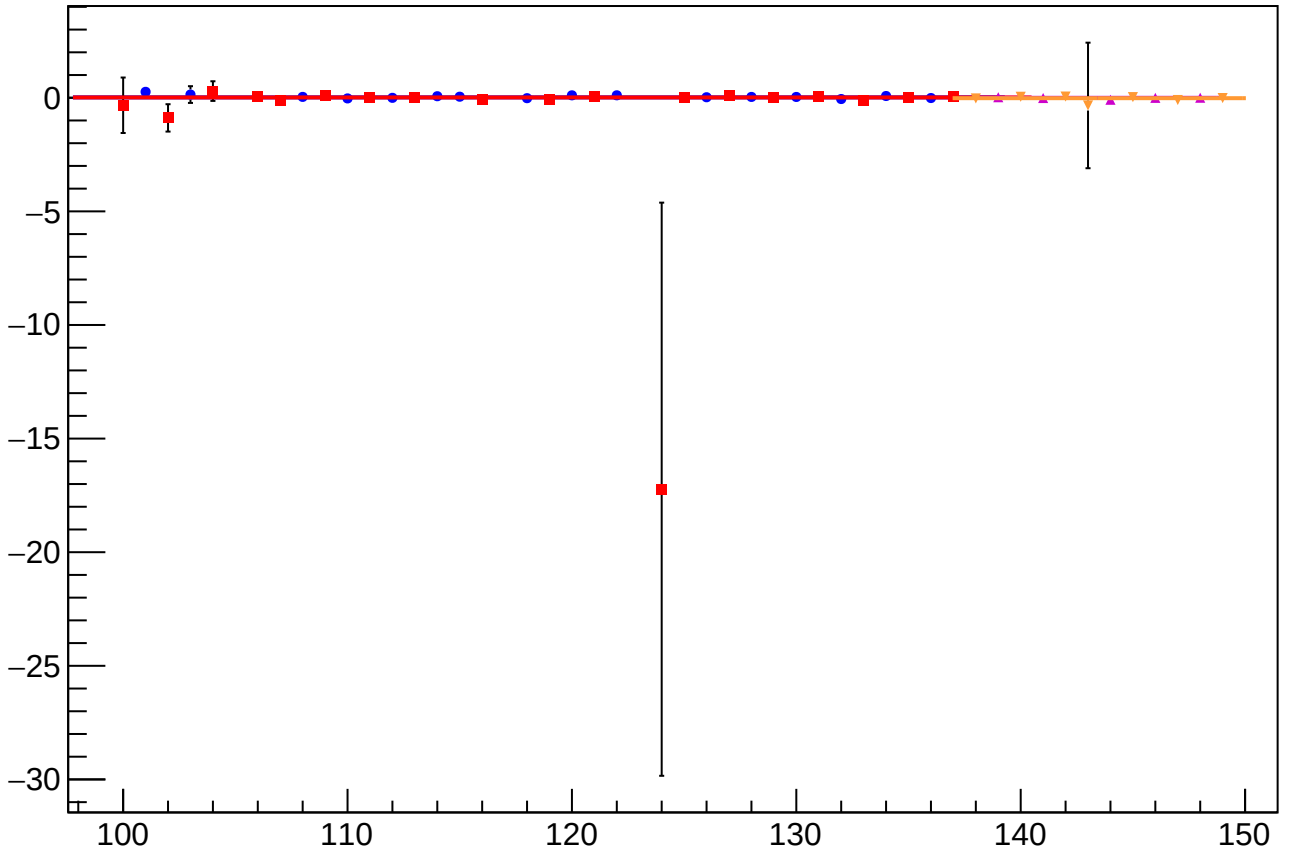
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:868570.8/4

+ sign 0.003+/-0.000 χ^2/NDF: 7966332.7/22

All: 0.003+/-0.000 χ^2/NDF: 13010638.0/46

- 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: -0.019+/-0.015 χ^2/NDF:9.2/6

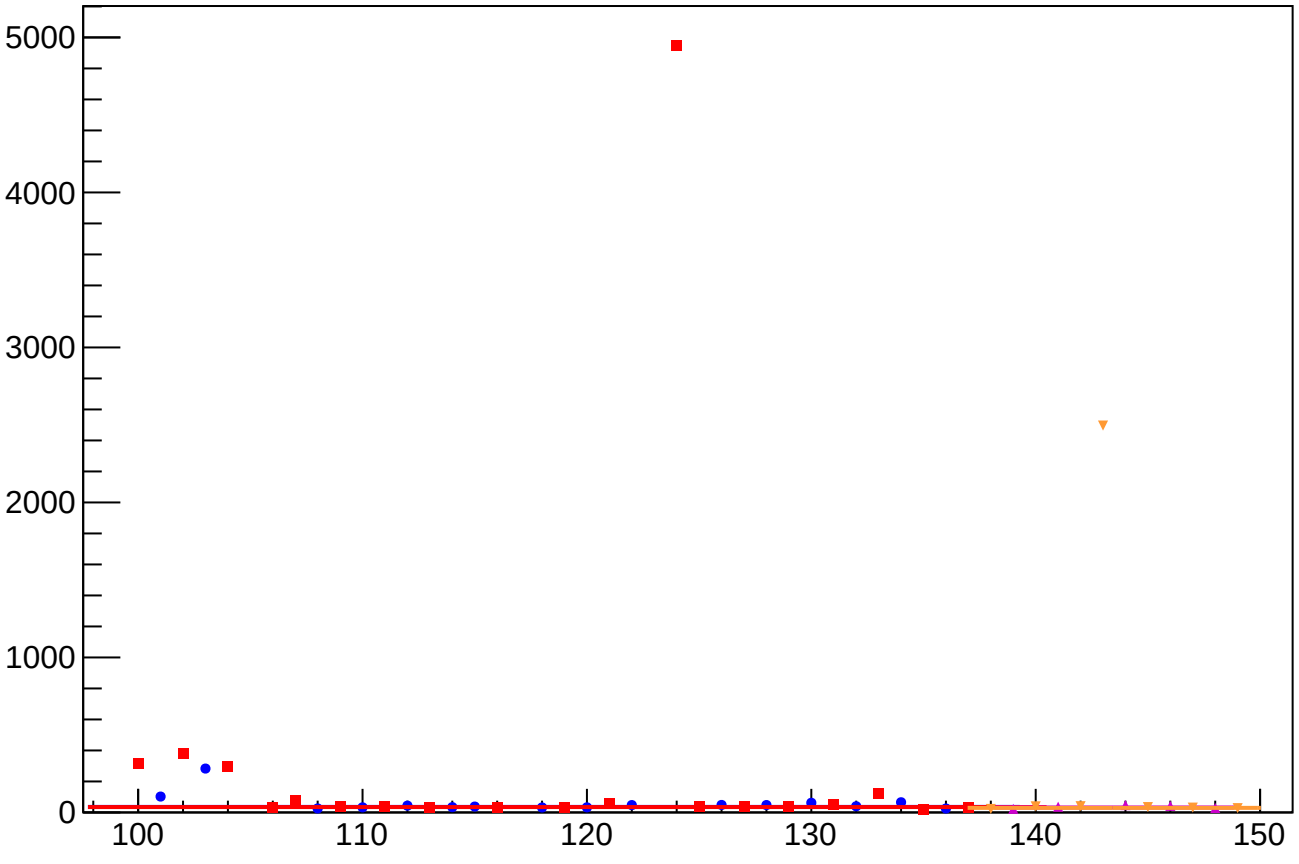
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign -0.001+/-0.011 χ^2/NDF: 23.4/22

All: 0.002+/-0.008 χ^2/NDF: 43.6/46

- 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: 29.615+/-0.011 χ^2/NDF:1905956.4/6

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

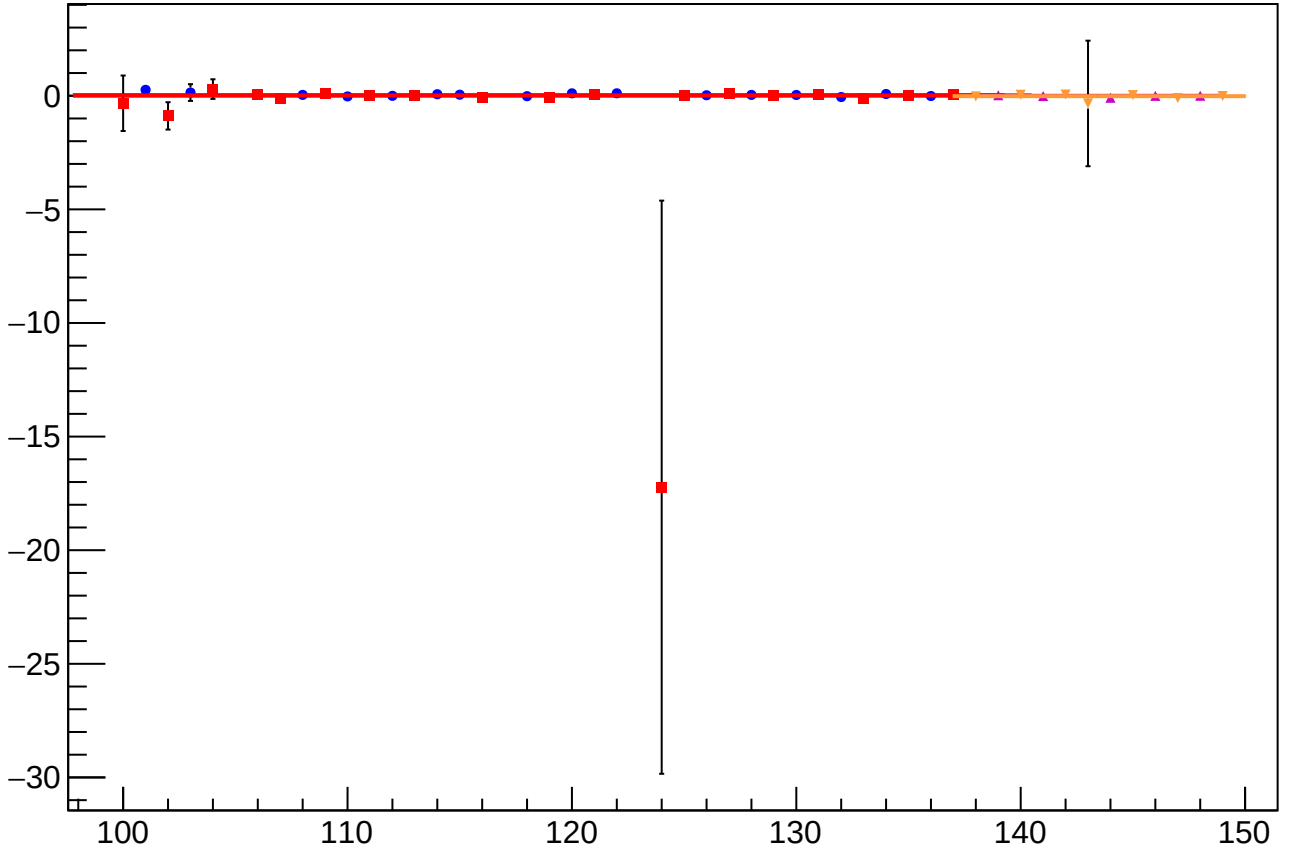
Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

+ sign 32.662+/-0.008 χ^2/NDF: 4328764.1/22

All: 33.100+/-0.006 χ^2/NDF: 7753960.2/46

- 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: -0.019+/-0.015 χ^2/NDF:9.2/6

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

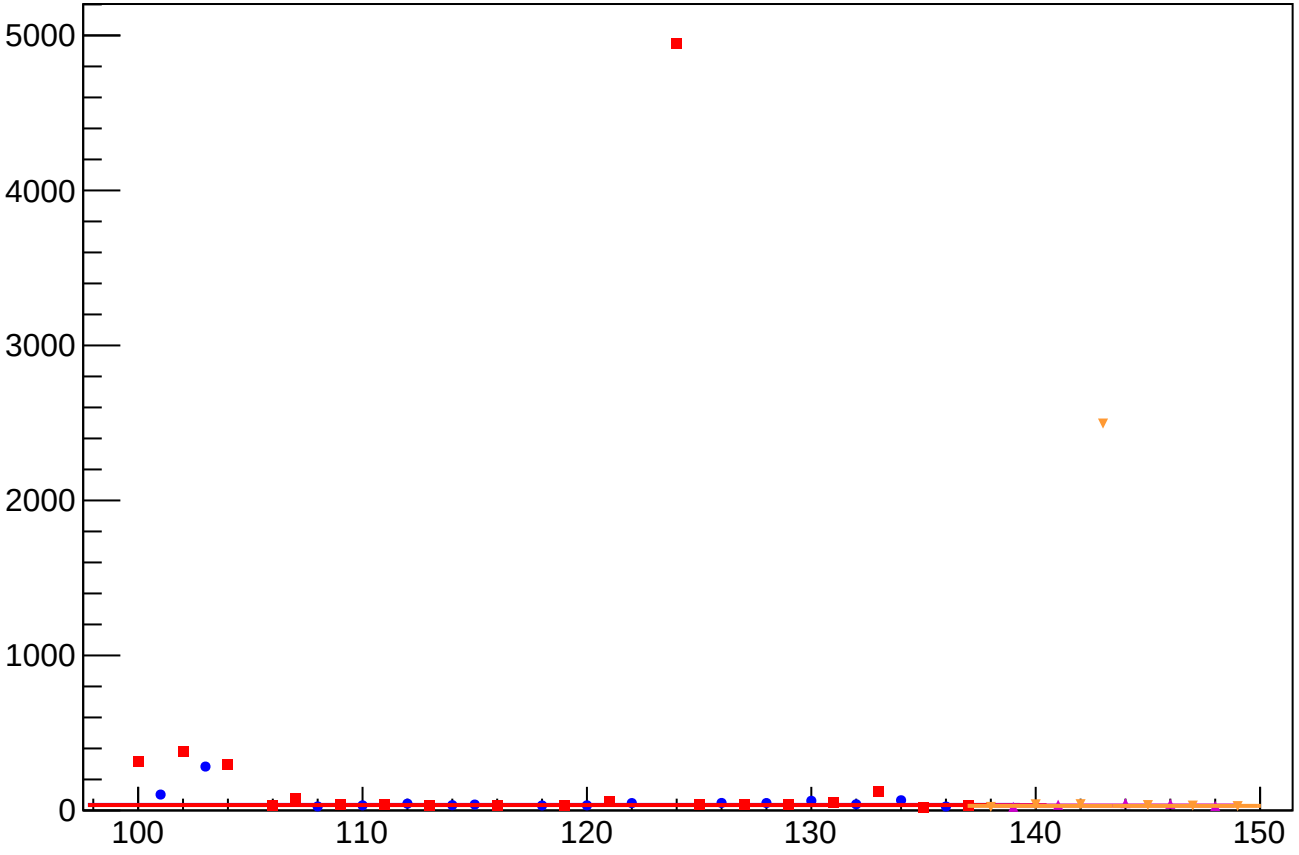
Left In: -0.003+/-0.017 χ^2/NDF:3.4/4

+ sign -0.001+/-0.011 χ^2/NDF: 23.4/22

All: 0.002+/-0.008 χ^2/NDF: 43.6/46

- 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: 29.615+/-0.011 χ^2/NDF:1905956.4/6

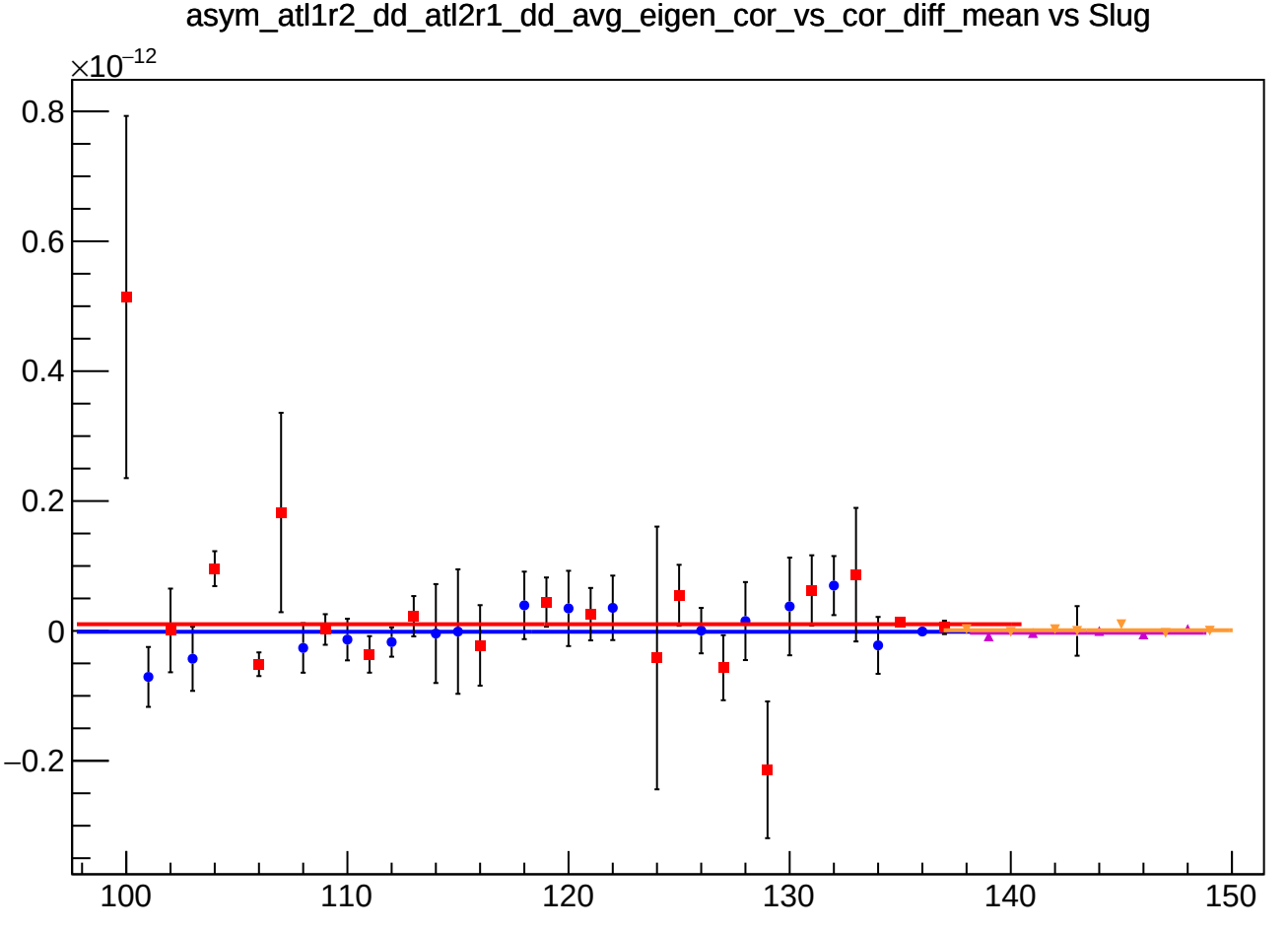
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

+ sign 32.662+/-0.008 χ^2/NDF: 4328764.1/22

All: 33.100+/-0.006 χ^2/NDF: 7753960.2/46

- 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:3.3/6

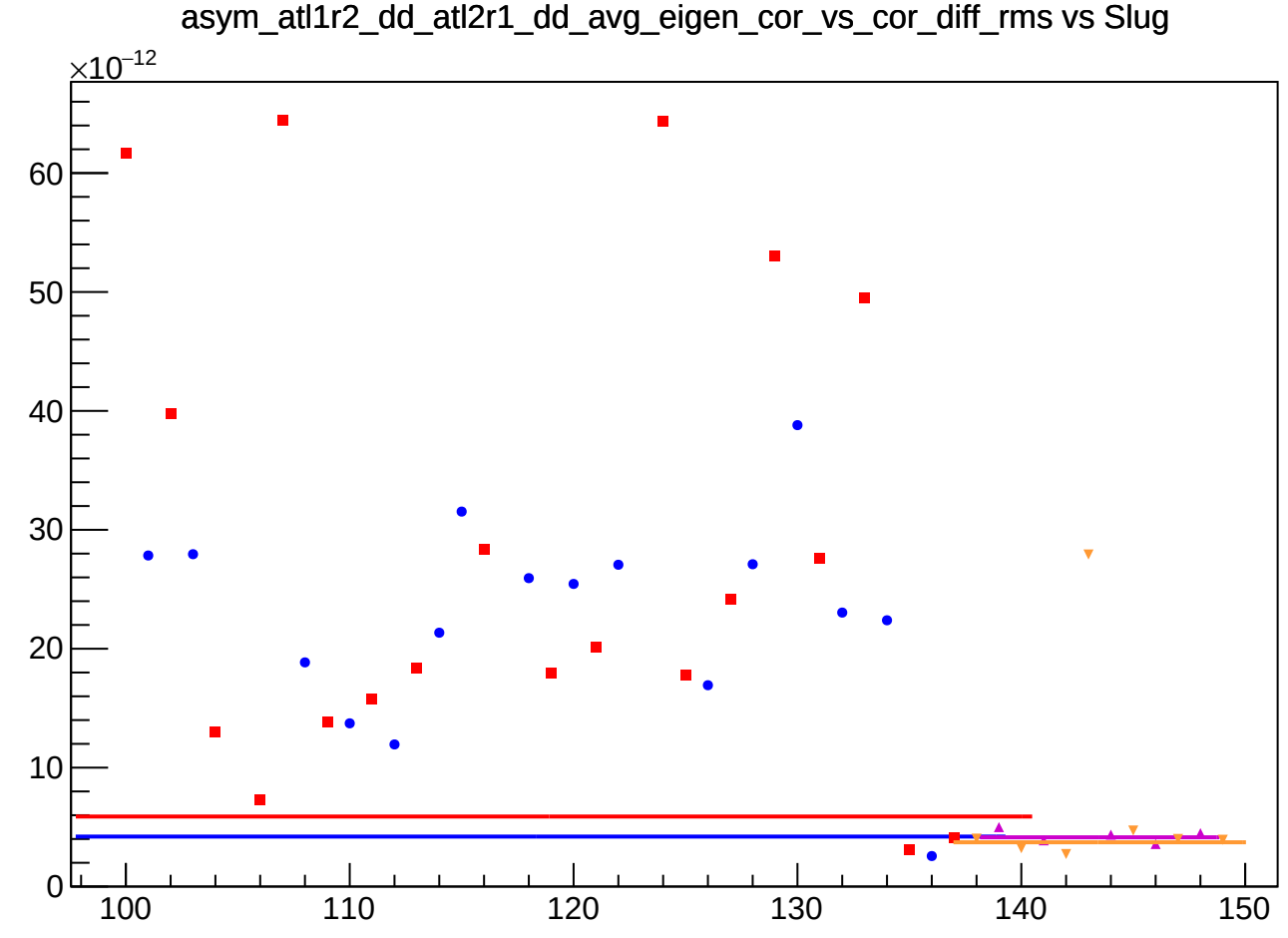
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 12.2/22

All: 0.000+/-0.000 χ^2/NDF: 61.6/46

- sign 0.000+/-0.000 χ^2/NDF: 49.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:970806.3/6

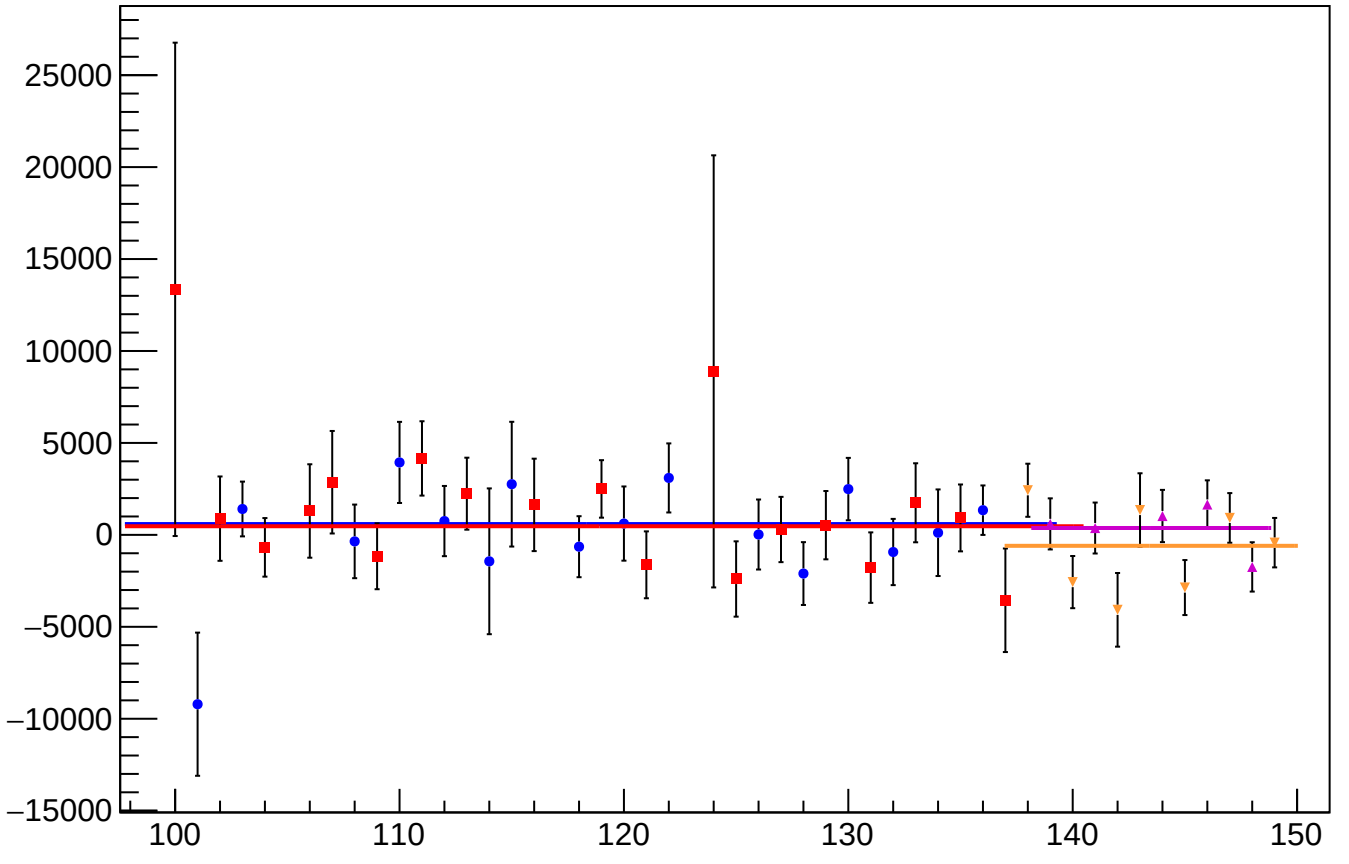
Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:76519.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 6079759.3/22

All: 0.000+/-0.000 χ^2/NDF: 11419462.5/46

- sign 0.000+/-0.000 χ^2/NDF: 5199166.2/23



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -595.369+/-575.022 χ^2/NDF:13.9/6

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

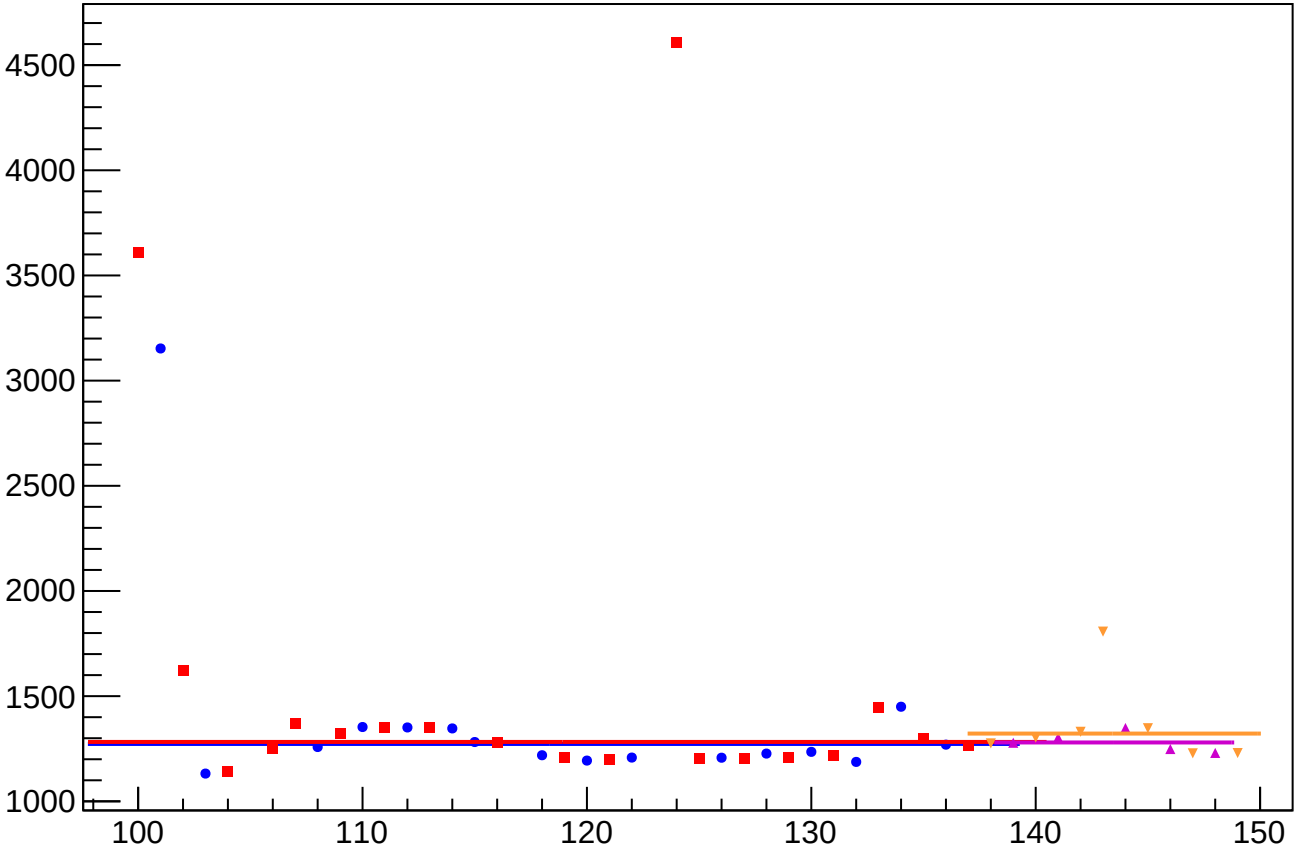
Left In: 373.535+/-612.184 χ^2/NDF:3.7/4

+ sign 98.514+/-369.587 χ^2/NDF: 33.4/22

All: 261.812+/-264.256 χ^2/NDF: 54.4/46

- 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: 1322.091+/-0.407 χ^2/NDF:139711.0/6

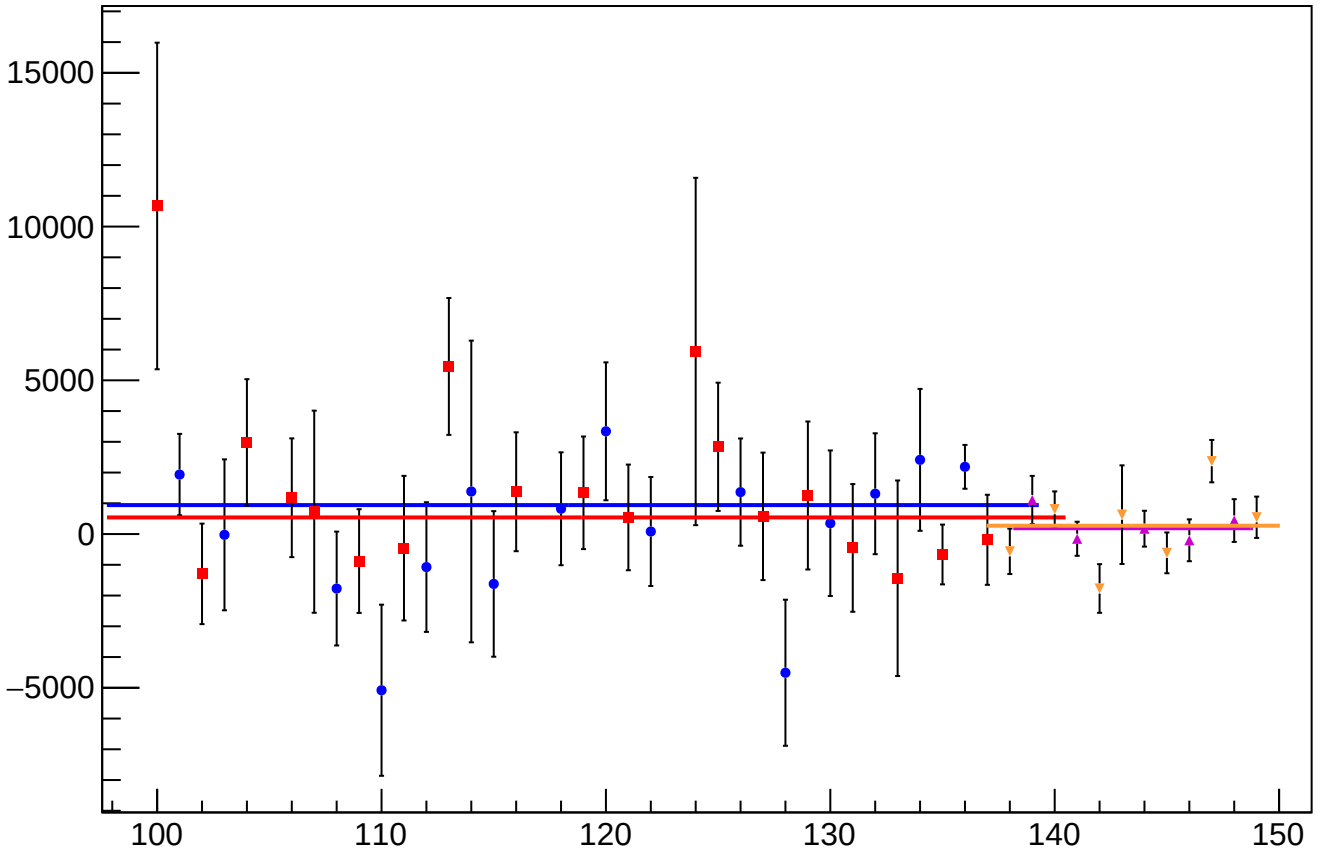
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

+ sign 1293.165+/-0.261 χ^2/NDF: 667632.6/22

All: 1287.412+/-0.187 χ^2/NDF: 999856.0/46

- 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: 271.677+/-272.931 χ^2/NDF:20.1/6

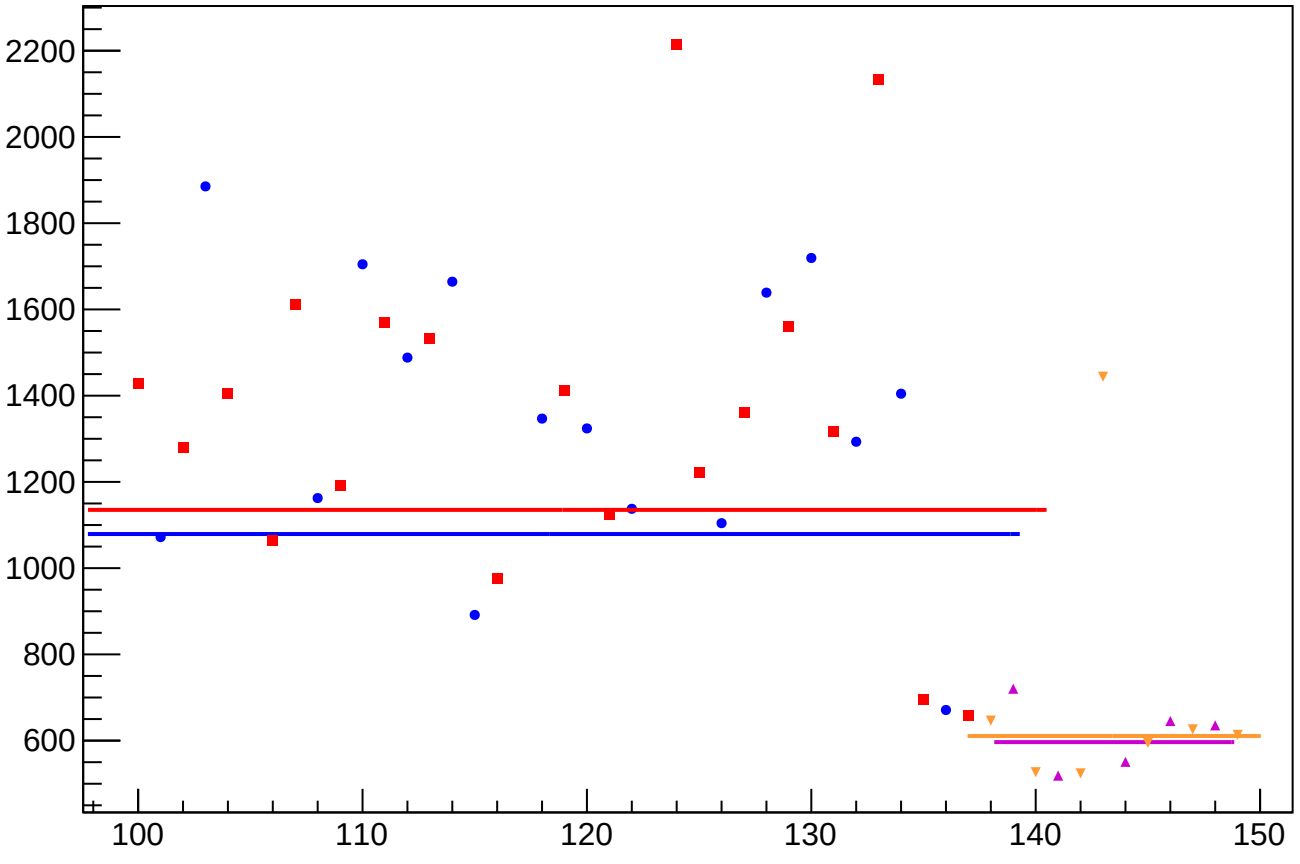
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 189.835+/-288.021 χ^2/NDF:2.2/4

+ sign 466.790+/-229.785 χ^2/NDF: 41.7/22

All: 385.016+/-166.295 χ^2/NDF: 61.8/46

- 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: 610.729+/-0.193 χ^2/NDF:613238.9/6

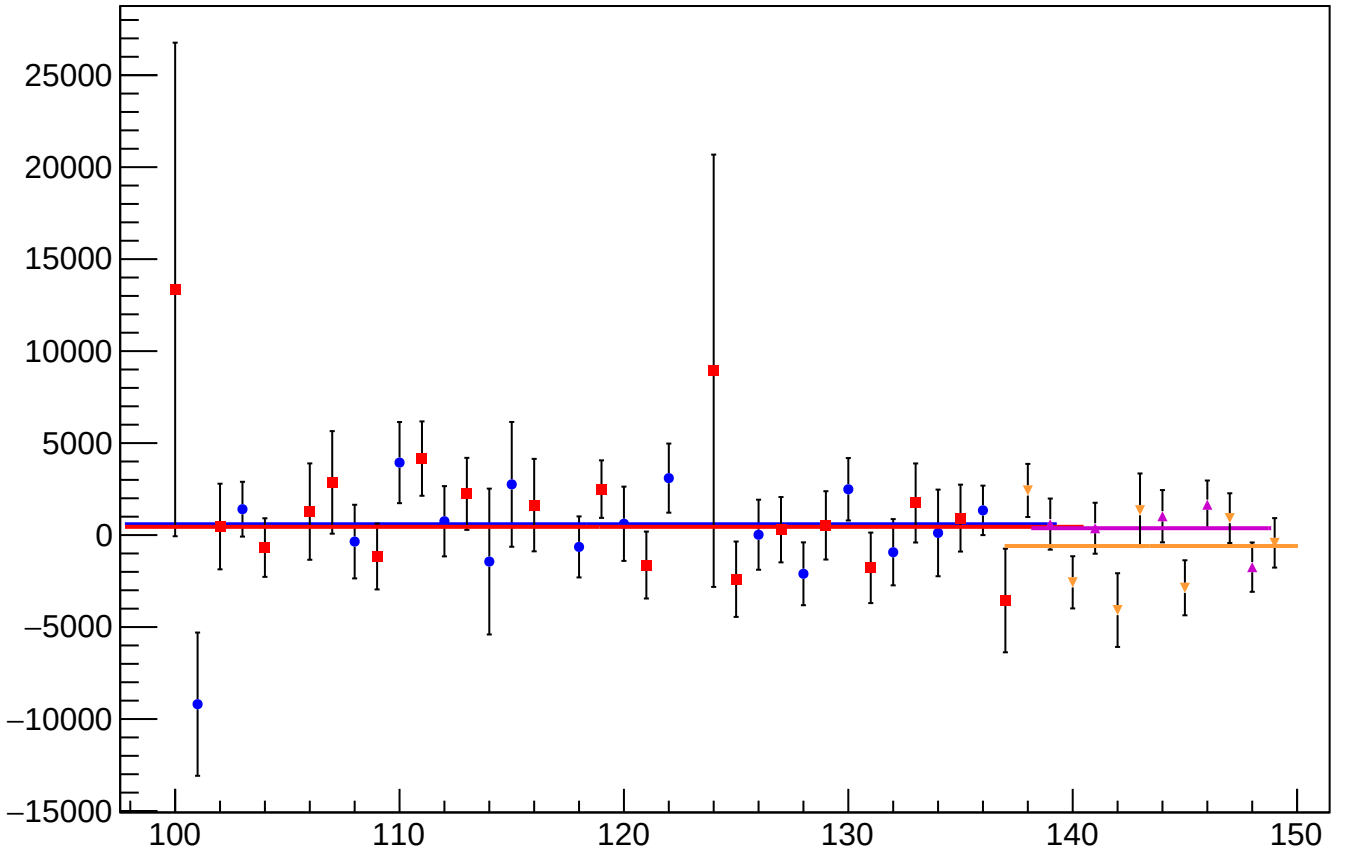
Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 596.560+/-0.204 χ^2/NDF:118118.4/4

\+ sign 747.113+/-0.162 χ^2/NDF: 3810606.4/22

All: 752.379+/-0.118 χ^2/NDF: 7322524.3/46

\- sign 758.169+/-0.170 χ^2/NDF: 3509713.1/23



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -595.426+/-575.022 χ^2/NDF:13.9/6

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

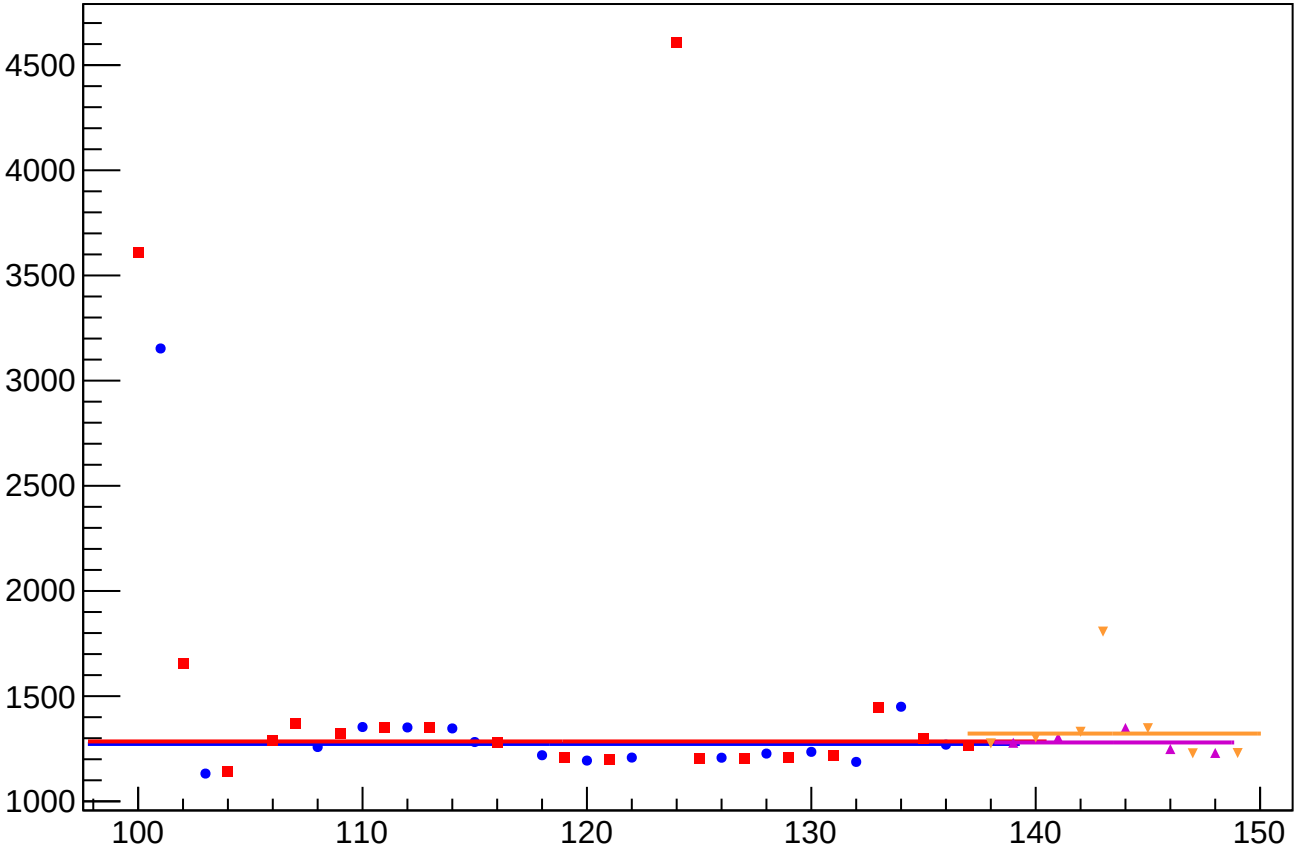
Left In: 373.407+/-612.184 χ^2/NDF:3.7/4

+ sign 98.679+/-369.587 χ^2/NDF: 33.4/22

All: 255.444+/-264.392 χ^2/NDF: 54.3/46

- 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: 1322.091+/-0.407 χ^2/NDF:139711.0/6

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

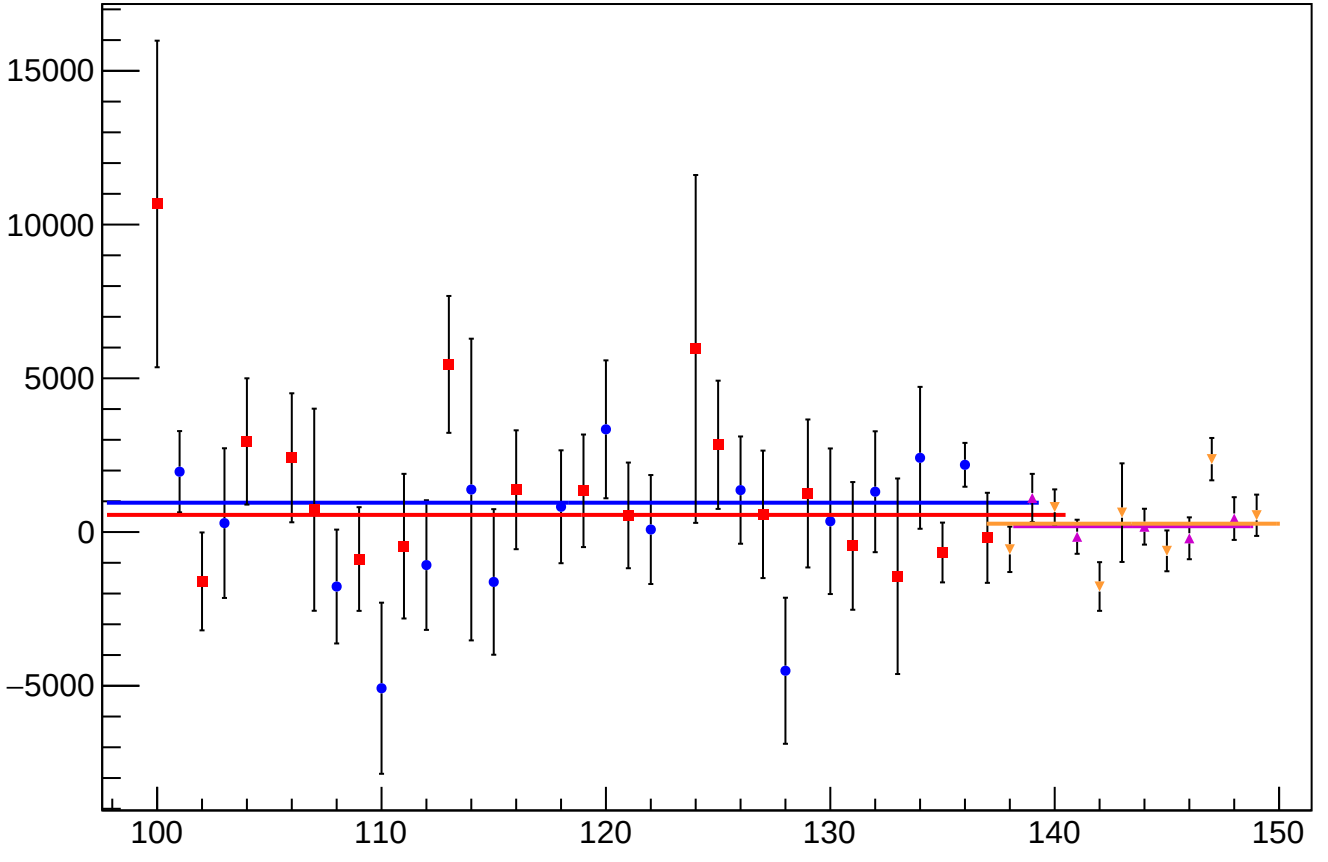
Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

+ sign 1293.165+/-0.261 χ^2/NDF: 667634.1/22

All: 1288.107+/-0.187 χ^2/NDF: 1006344.9/46

- sign 1282.806+/-0.268 χ^2/NDF: 337943.7/23

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 271.653+/-272.936 χ^2/NDF:20.1/6

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

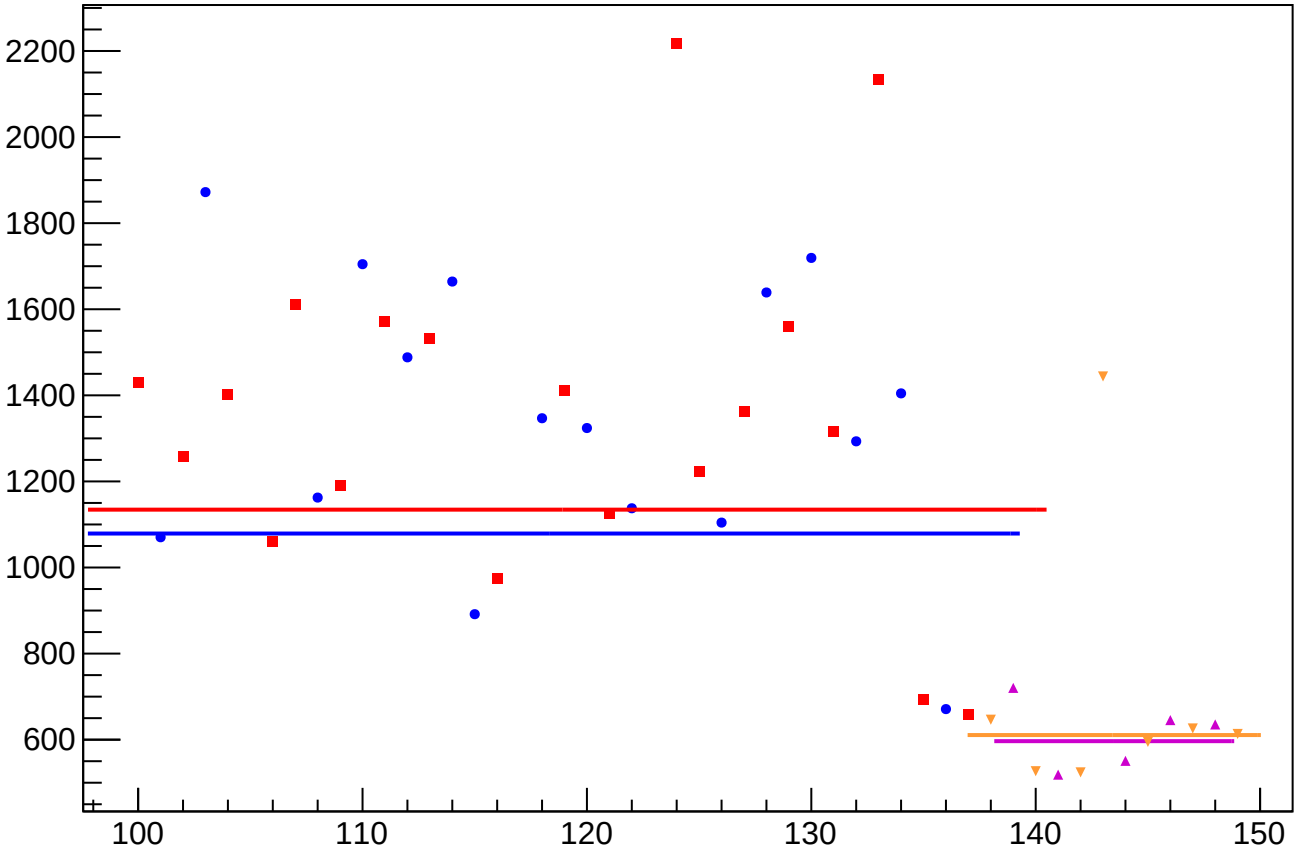
Left In: 189.837+/-288.018 χ^2/NDF:2.2/4

+ sign 470.501+/-229.760 χ^2/NDF: 41.8/22

All: 389.349+/-166.331 χ^2/NDF: 63.1/46

- 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: 610.741+/-0.193 χ^2/NDF:613184.3/6

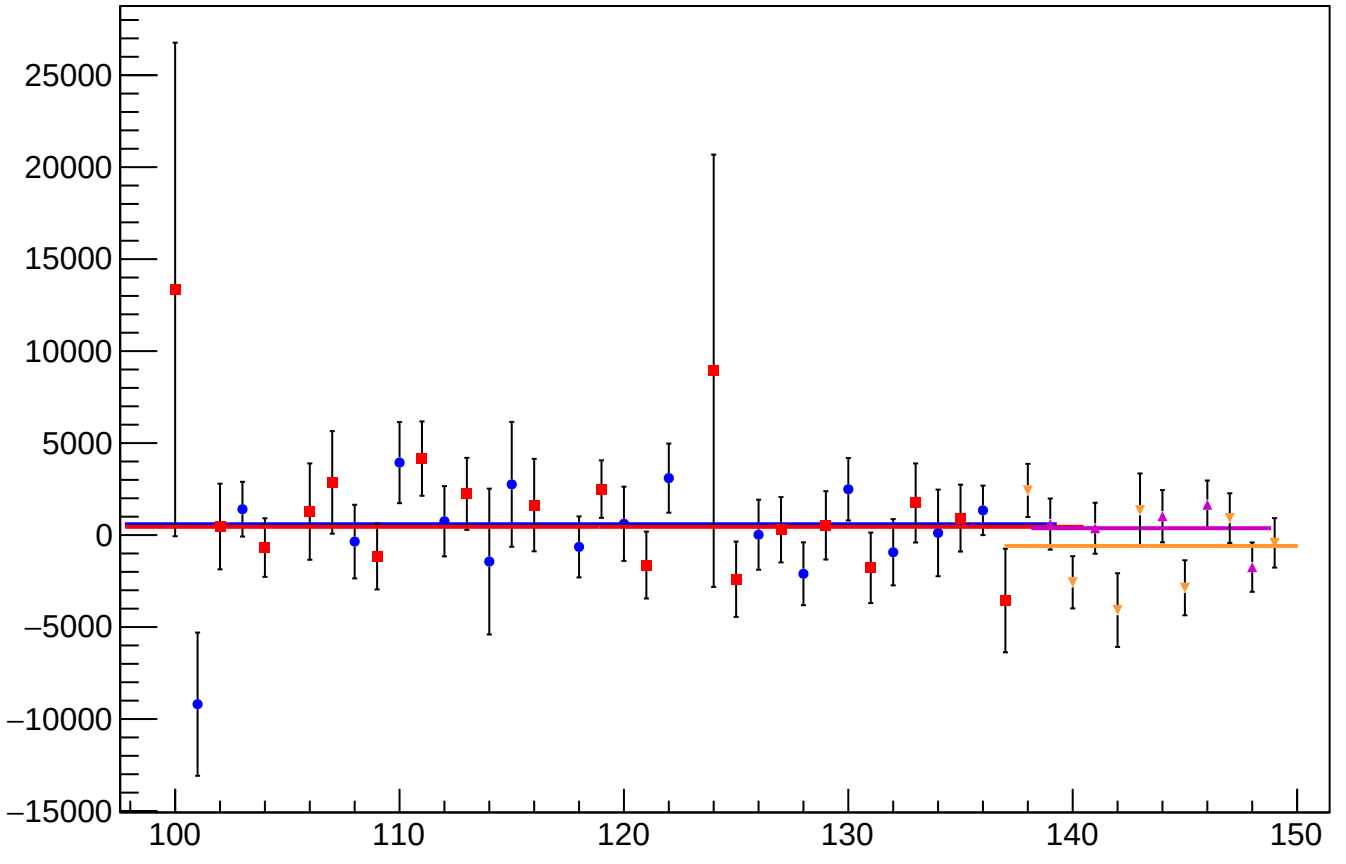
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

\+ sign 747.151+/-0.162 χ^2/NDF: 3806559.3/22

All: 752.078+/-0.118 χ^2/NDF: 7302736.6/46

\- 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: -595.426+/-575.022 χ^2/NDF:13.9/6

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

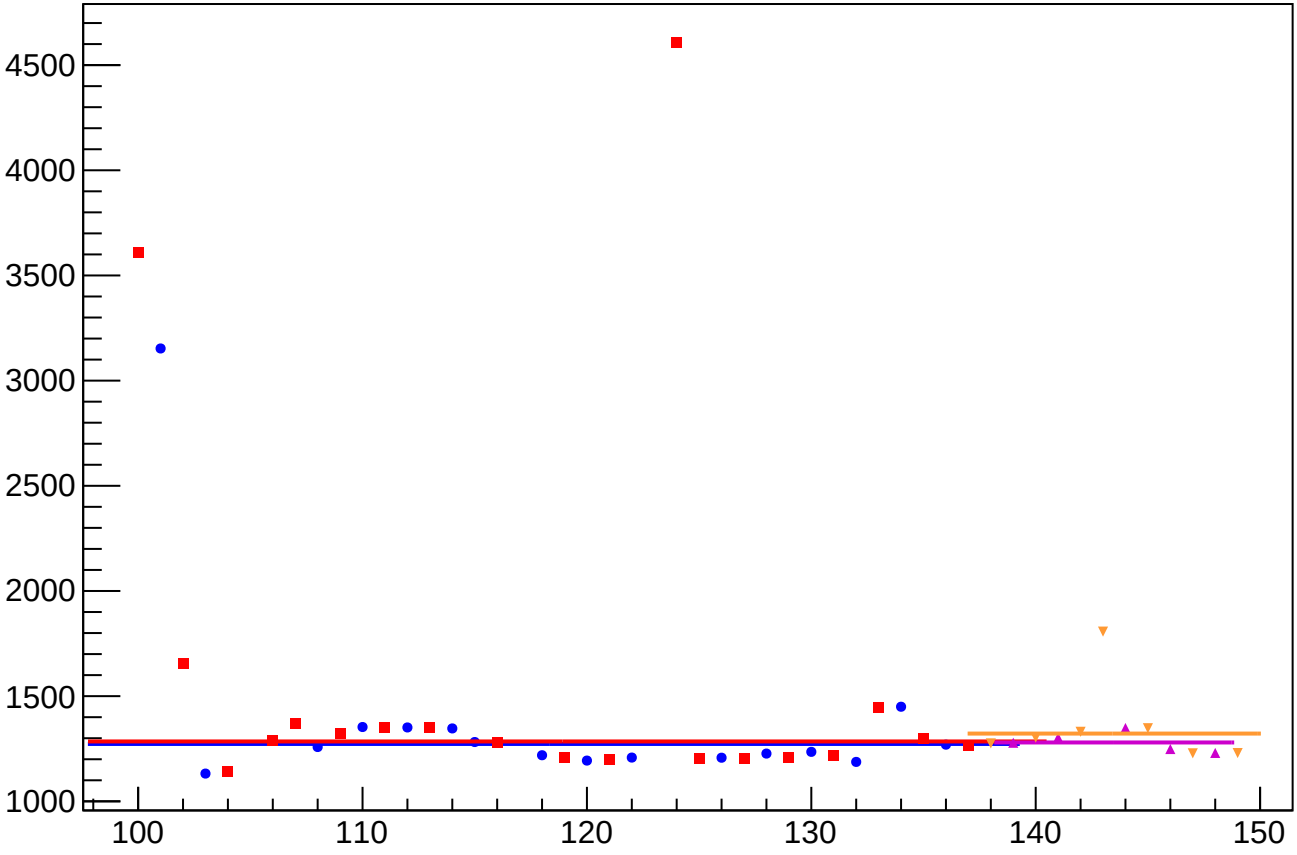
Left In: 373.407+/-612.184 χ^2/NDF:3.7/4

+ sign 98.679+/-369.587 χ^2/NDF: 33.4/22

All: 255.444+/-264.392 χ^2/NDF: 54.3/46

- 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: 1322.091+/-0.407 χ^2/NDF:139711.0/6

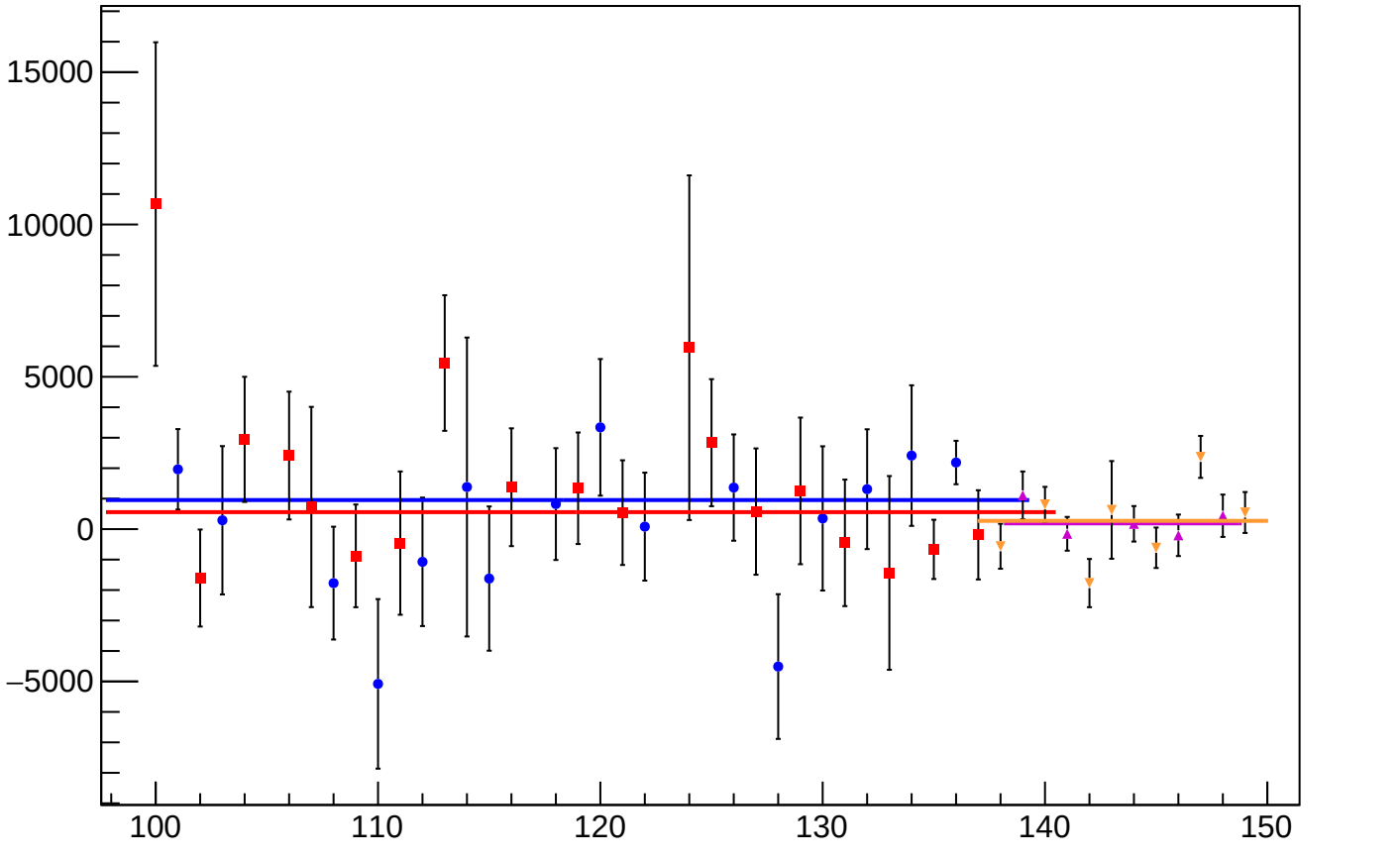
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

+ sign 1293.165+/-0.261 χ^2/NDF: 667634.1/22

All: 1288.107+/-0.187 χ^2/NDF: 1006344.9/46

- 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: 271.653+/-272.936 χ^2/NDF:20.1/6

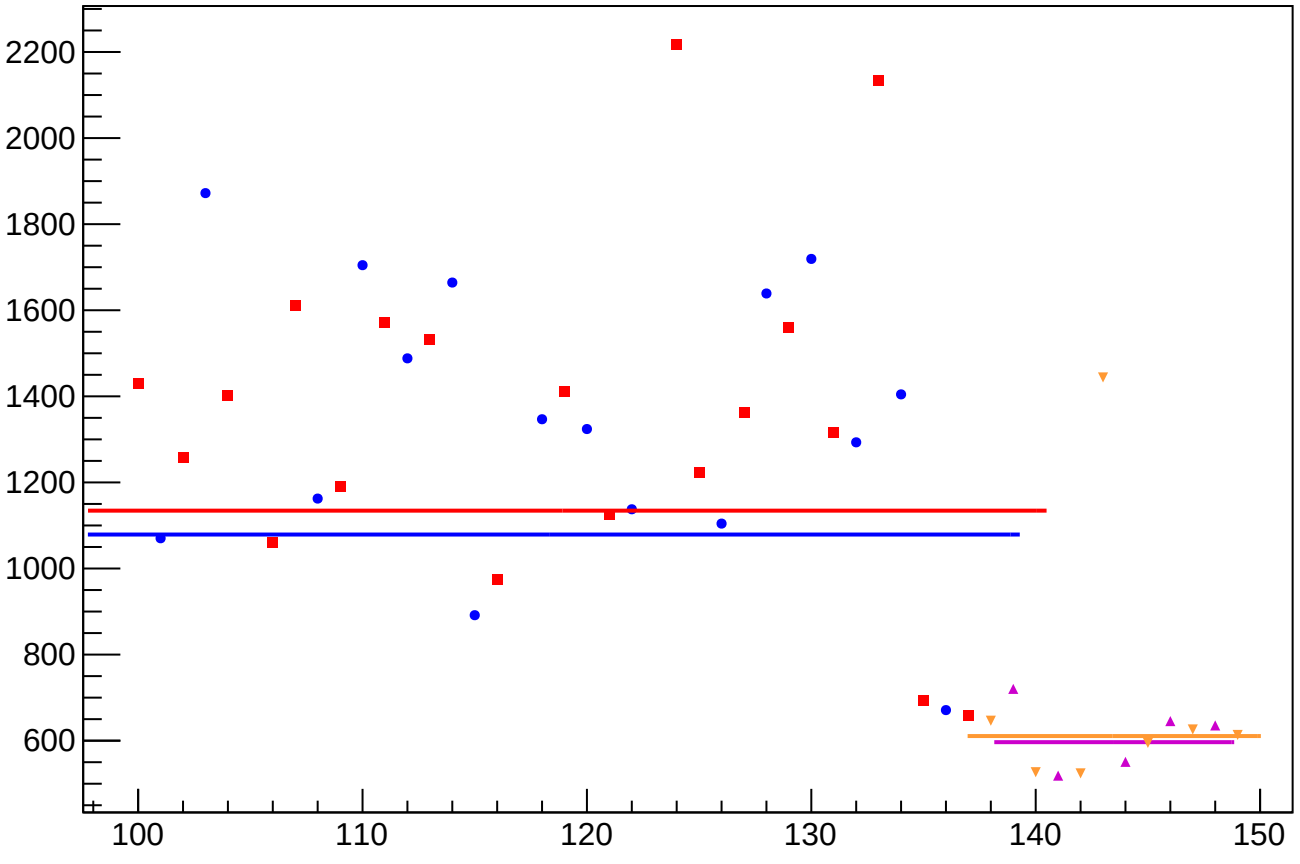
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 189.837+/-288.018 χ^2/NDF:2.2/4

+ sign 470.501+/-229.760 χ^2/NDF: 41.8/22

All: 389.349+/-166.331 χ^2/NDF: 63.1/46

- 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: 610.741+/-0.193 χ^2/NDF:613184.3/6

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

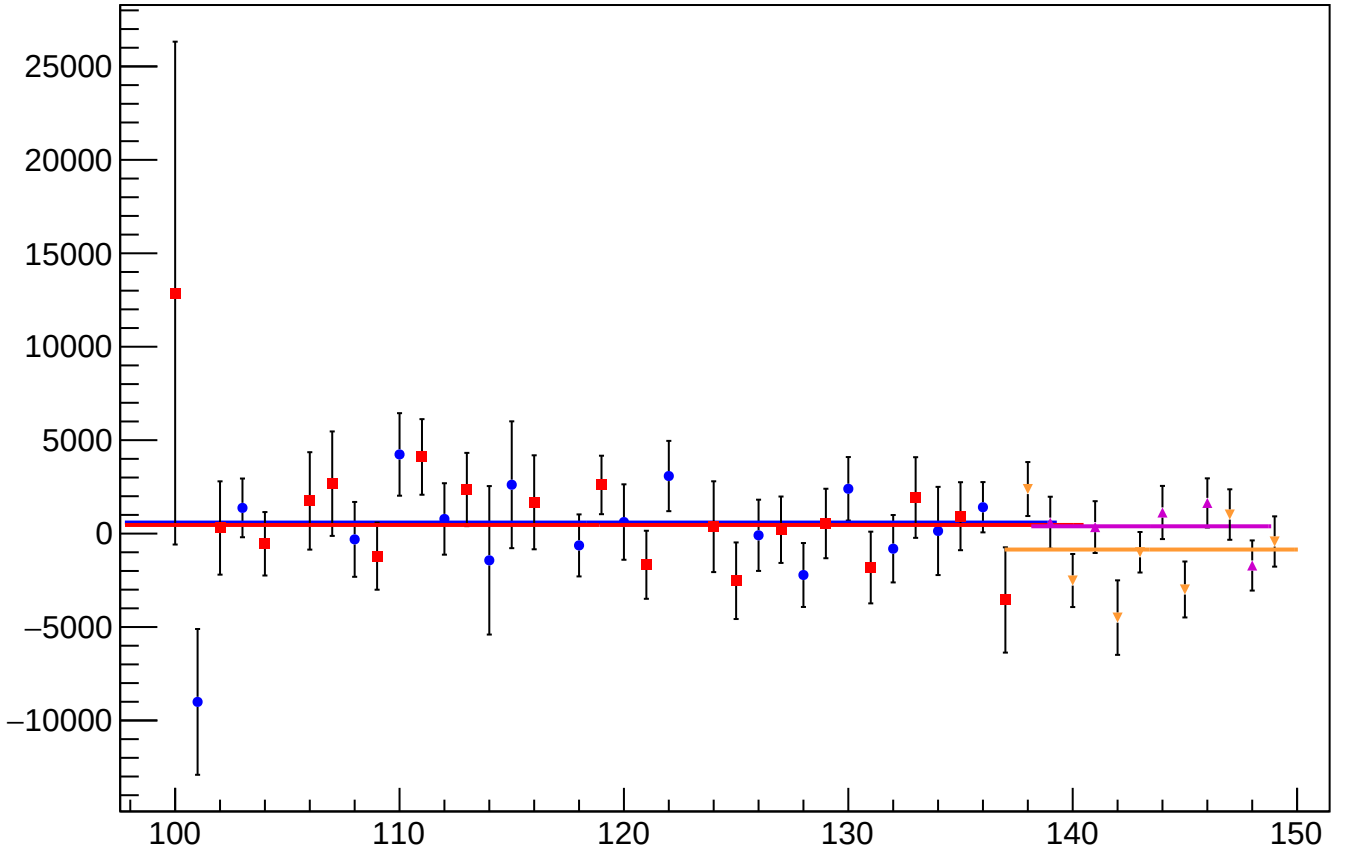
Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

\+ sign 747.151+/-0.162 χ^2/NDF: 3806559.3/22

All: 752.078+/-0.118 χ^2/NDF: 7302736.6/46

\- 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: -853.275+/-525.291 χ^2/NDF:13.8/6

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

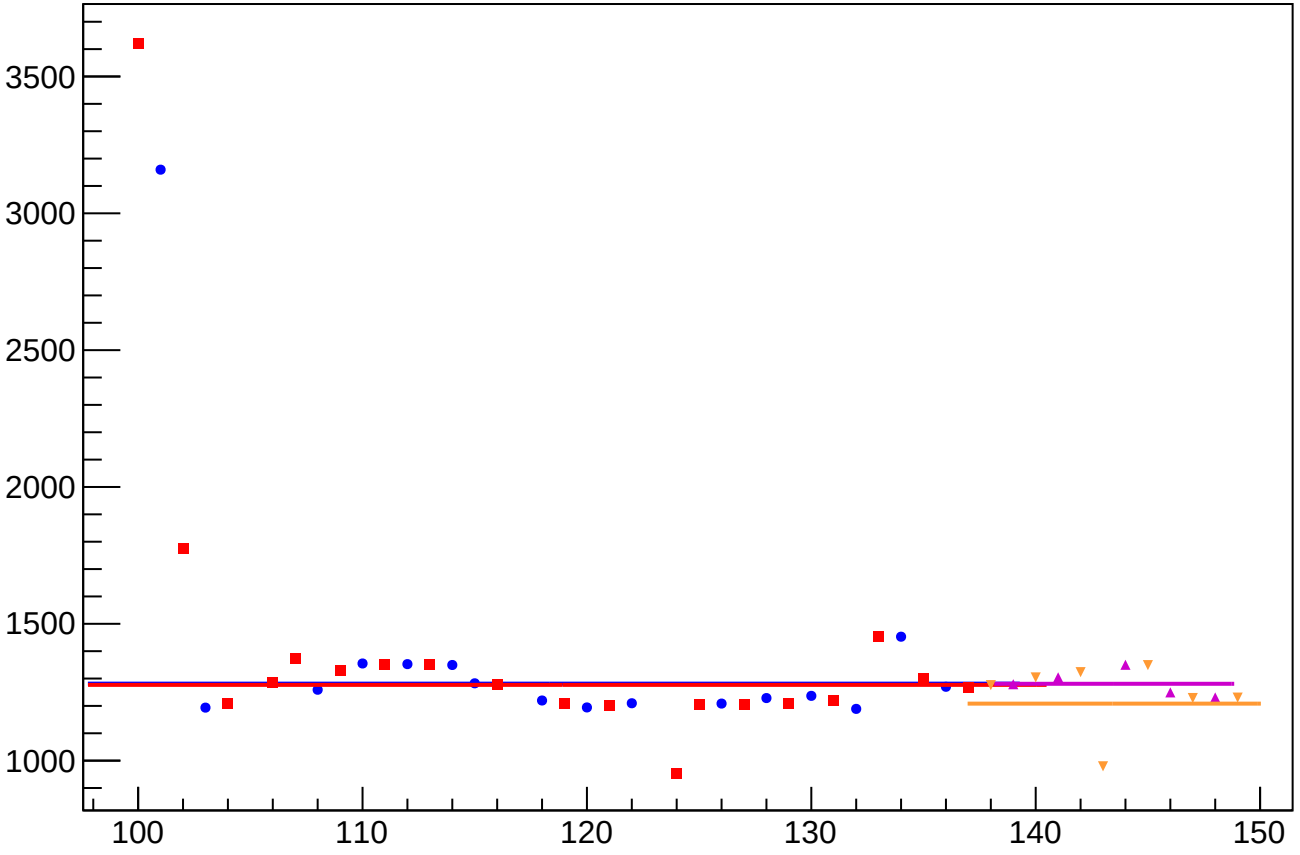
Left In: 390.717+/-612.675 χ^2/NDF:3.6/4

\+ sign -74.710+/-356.532 χ^2/NDF: 35.0/22

All: 166.652+/-258.806 χ^2/NDF: 56.3/46

\- 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: 1208.314+/-0.371 χ^2/NDF:128094.1/6

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

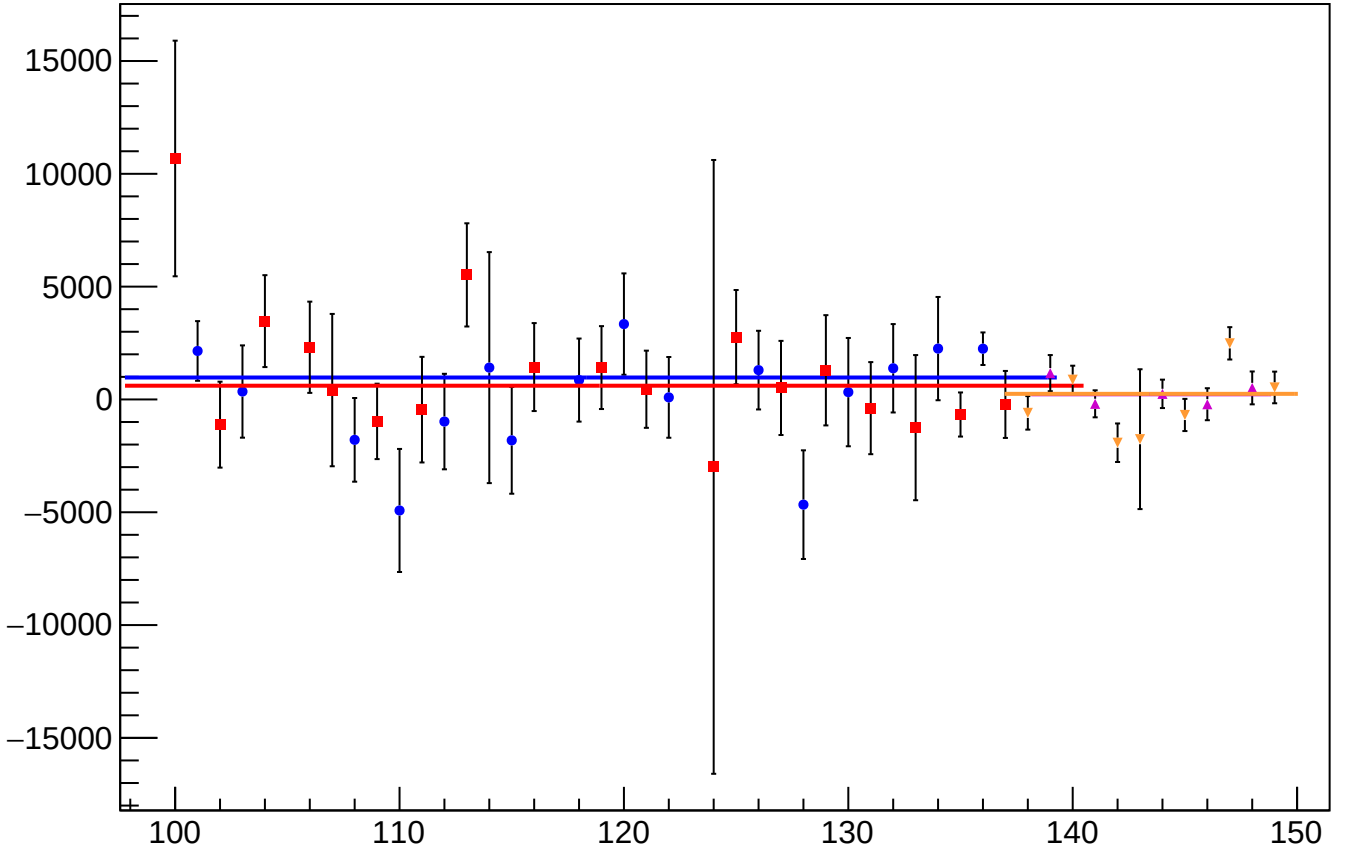
Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

+ sign 1247.714+/-0.252 χ^2/NDF: 656035.5/22

All: 1262.211+/-0.183 χ^2/NDF: 892842.7/46

- sign 1278.358+/-0.266 χ^2/NDF: 229817.5/23

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 247.934+/-290.815 χ^2/NDF:20.8/6

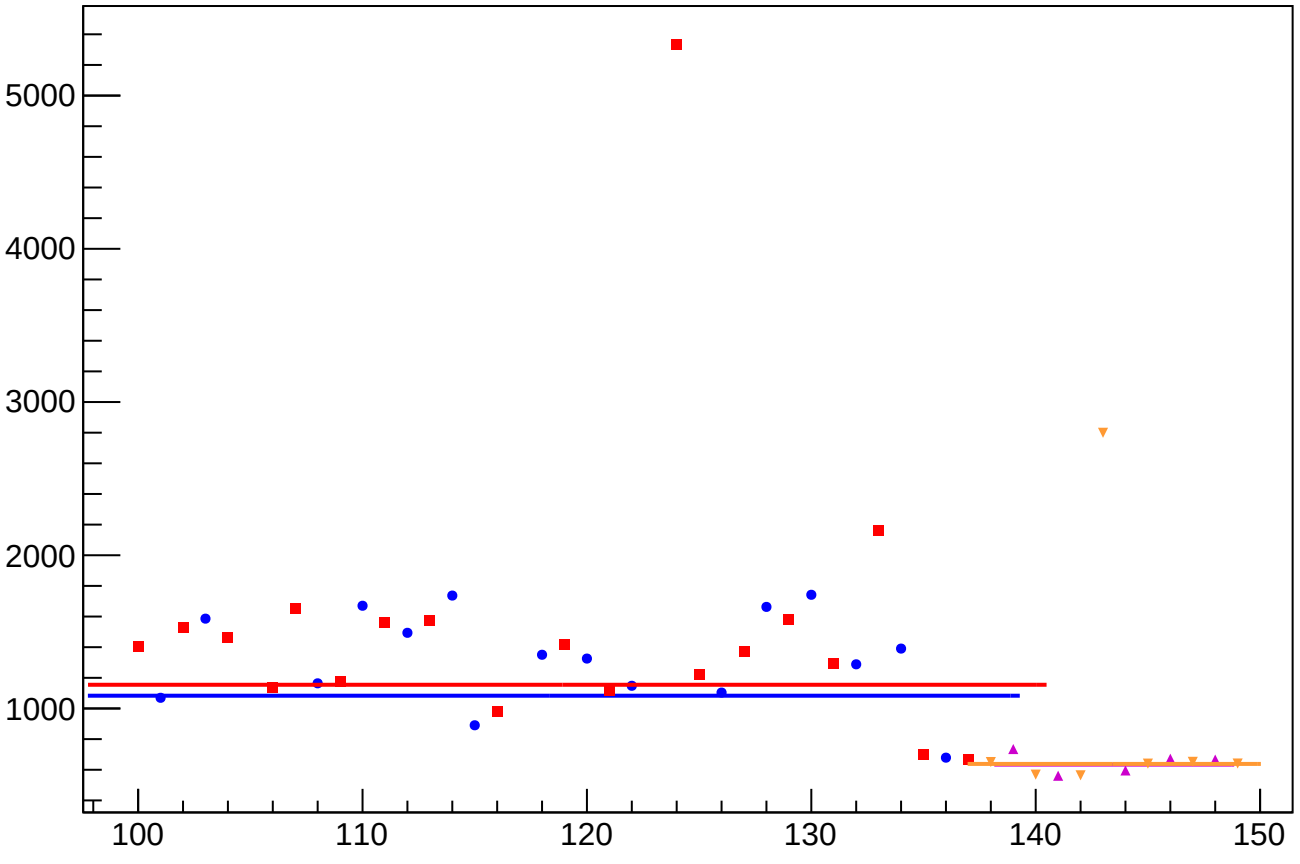
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 227.704+/-305.096 χ^2/NDF:2.4/4

\+ sign 478.772+/-240.044 χ^2/NDF: 43.2/22

All: 416.799+/-173.851 χ^2/NDF: 63.4/46

\- 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: 638.123+/-0.206 χ^2/NDF:1014470.1/6

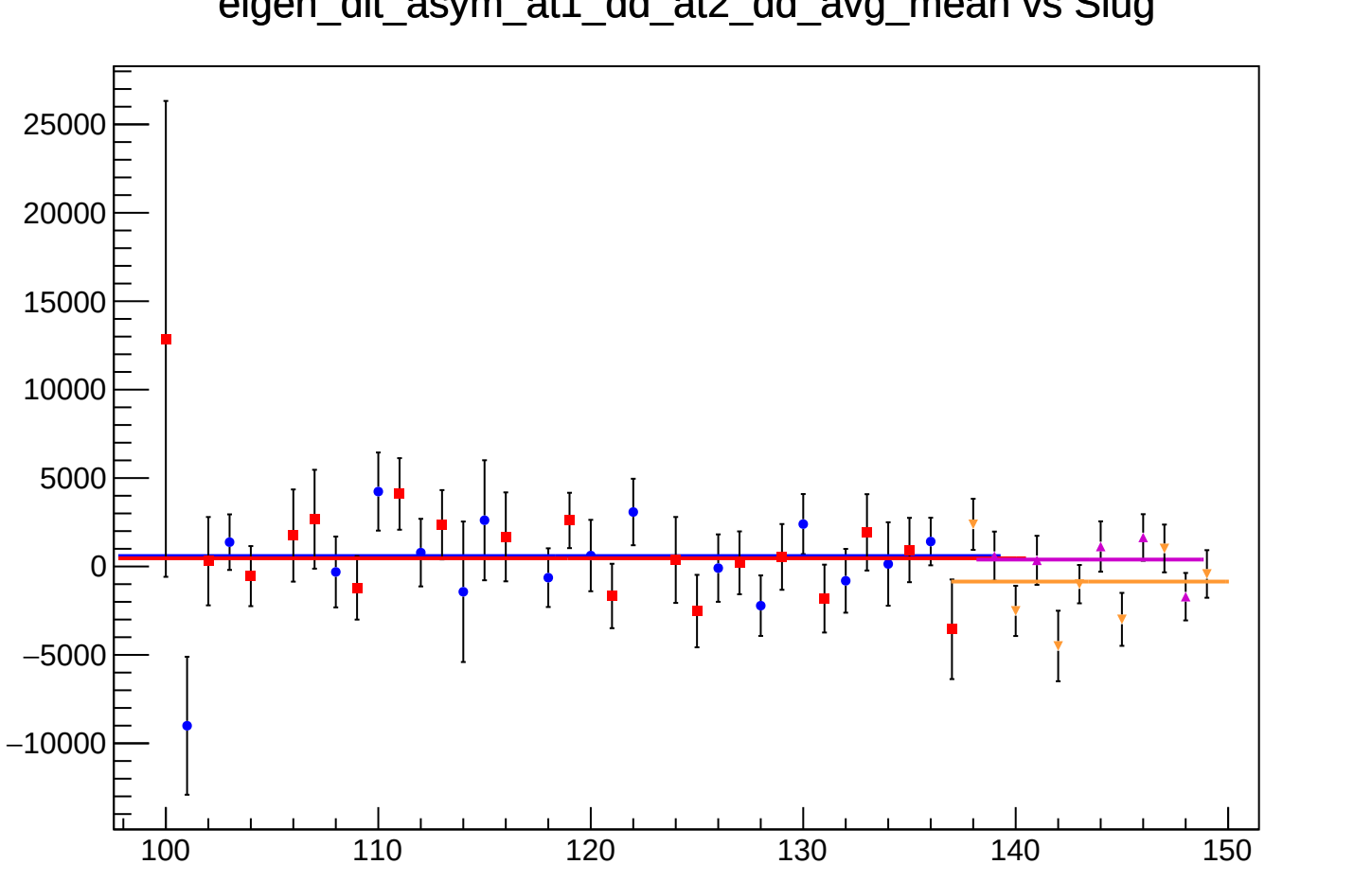
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 633.559+/-0.216 χ^2/NDF:78993.3/4

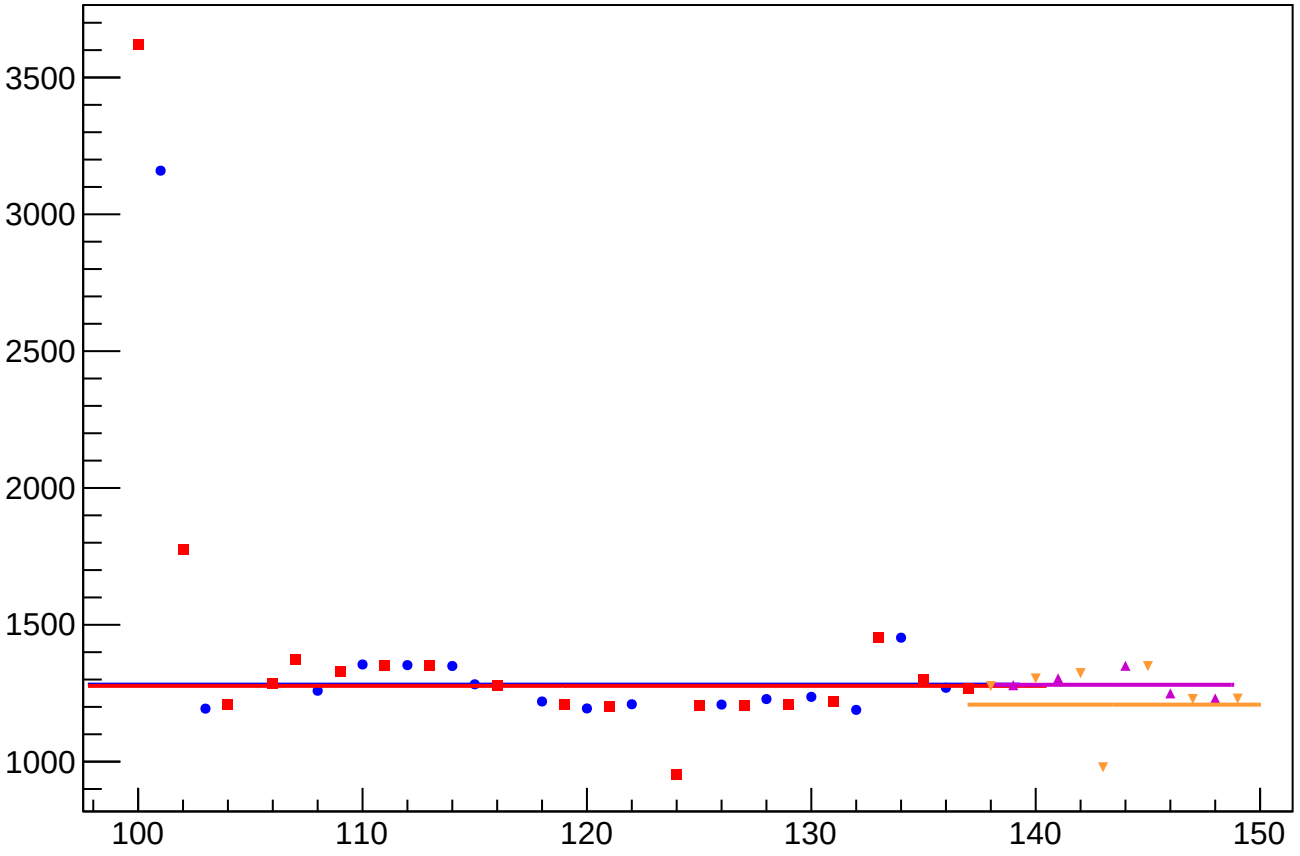
+ sign 780.004+/-0.170 χ^2/NDF: 3868410.4/22

All: 788.950+/-0.123 χ^2/NDF: 7292094.7/46

- sign 798.819+/-0.178 χ^2/NDF: 3417841.9/23


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -853.275+/-525.291 χ²/NDF:13.8/6
Right Out: 462.605+/-476.795 χ²/NDF: 16.7/18
Left In: 390.721+/-612.675 χ²/NDF:3.6/4
+ sign -74.709+/-356.532 χ²/NDF: 35.0/22
All: 166.653+/-258.806 χ²/NDF: 56.3/46
- sign 435.491+/-376.279 χ²/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: 1208.314+/-0.371 χ^2/NDF:128093.5/6

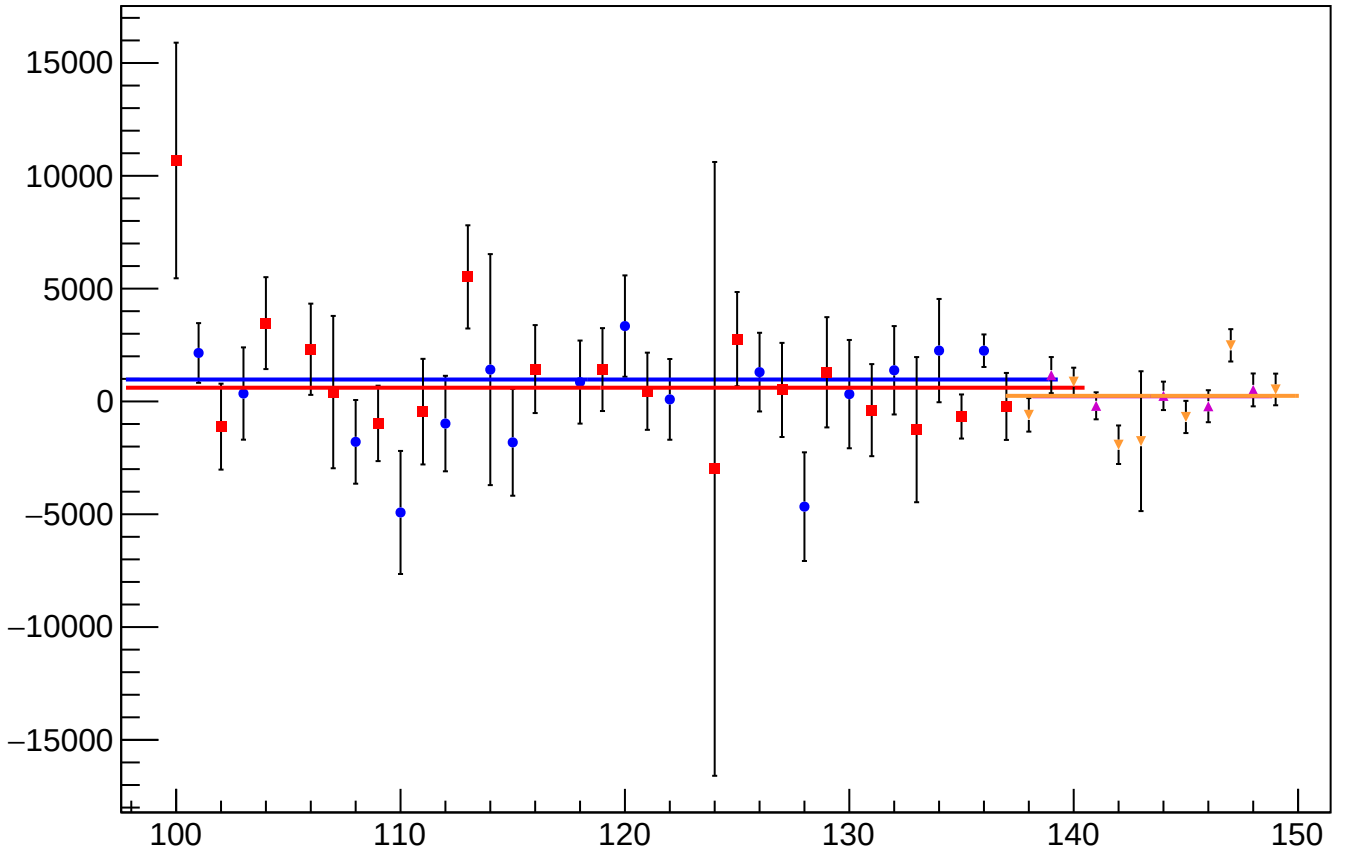
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

+ sign 1247.714+/-0.252 χ^2/NDF: 656034.8/22

All: 1262.211+/-0.183 χ^2/NDF: 892841.8/46

- 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: 247.937+/-290.815 χ^2/NDF:20.8/6

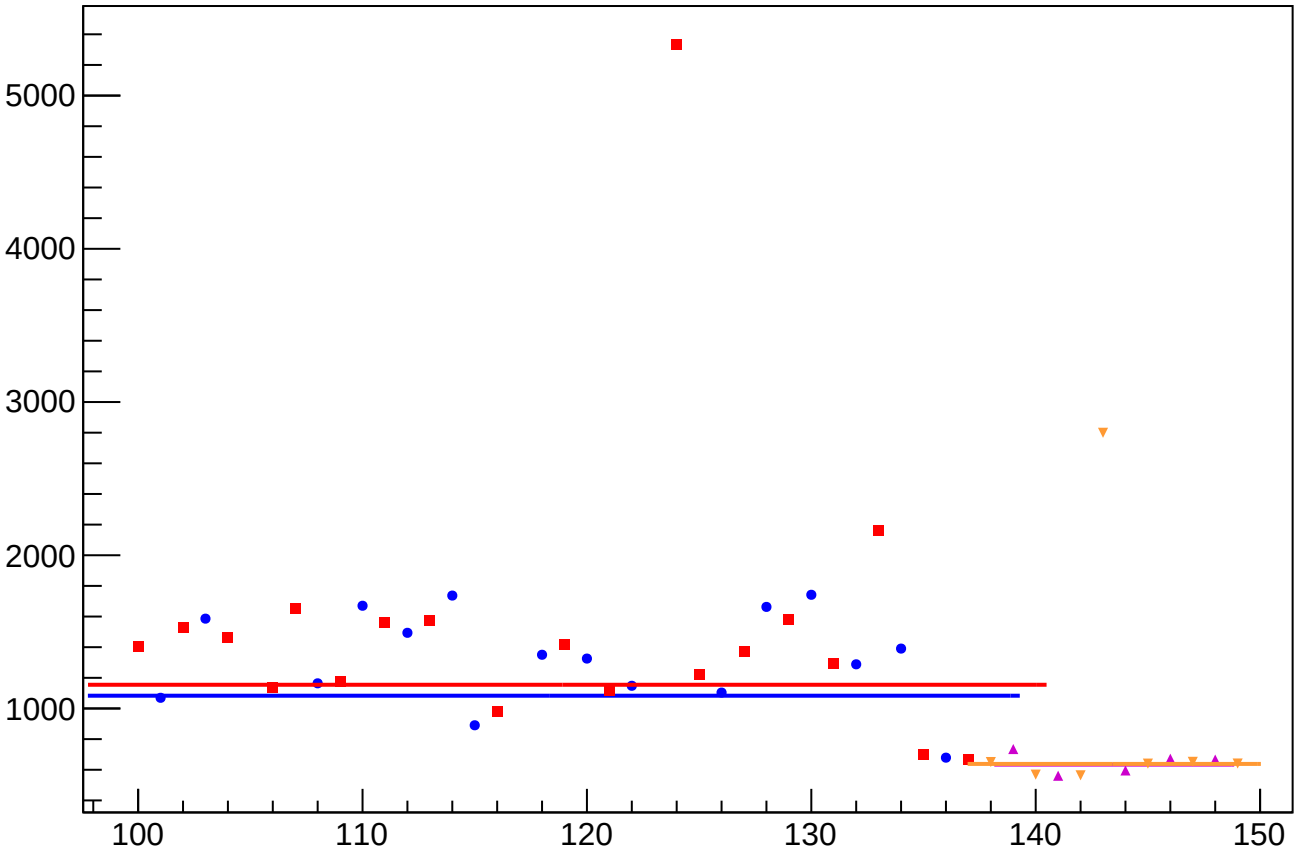
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 227.703+/-305.096 χ^2/NDF:2.4/4

+ sign 478.772+/-240.045 χ^2/NDF: 43.2/22

All: 416.800+/-173.851 χ^2/NDF: 63.4/46

- 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: 638.125+/-0.206 χ^2/NDF:1014468.0/6

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

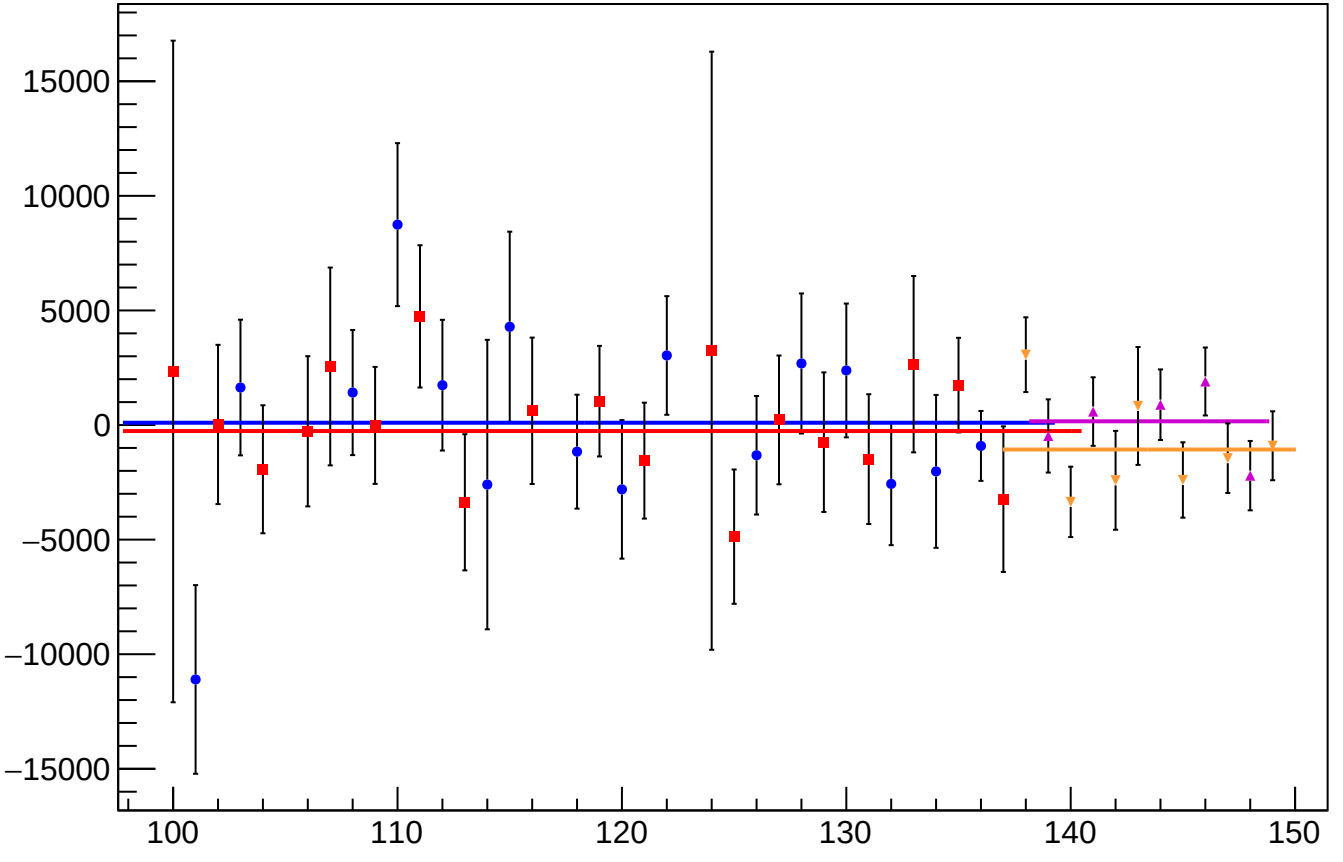
Left In: 633.559+/-0.216 χ^2/NDF:78995.9/4

+ sign 780.007+/-0.170 χ^2/NDF: 3868369.3/22

All: 788.952+/-0.123 χ^2/NDF: 7292045.0/46

- sign 798.820+/-0.178 χ^2/NDF: 3417834.7/23

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1068.414+/-643.809 χ^2/NDF:10.3/6

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

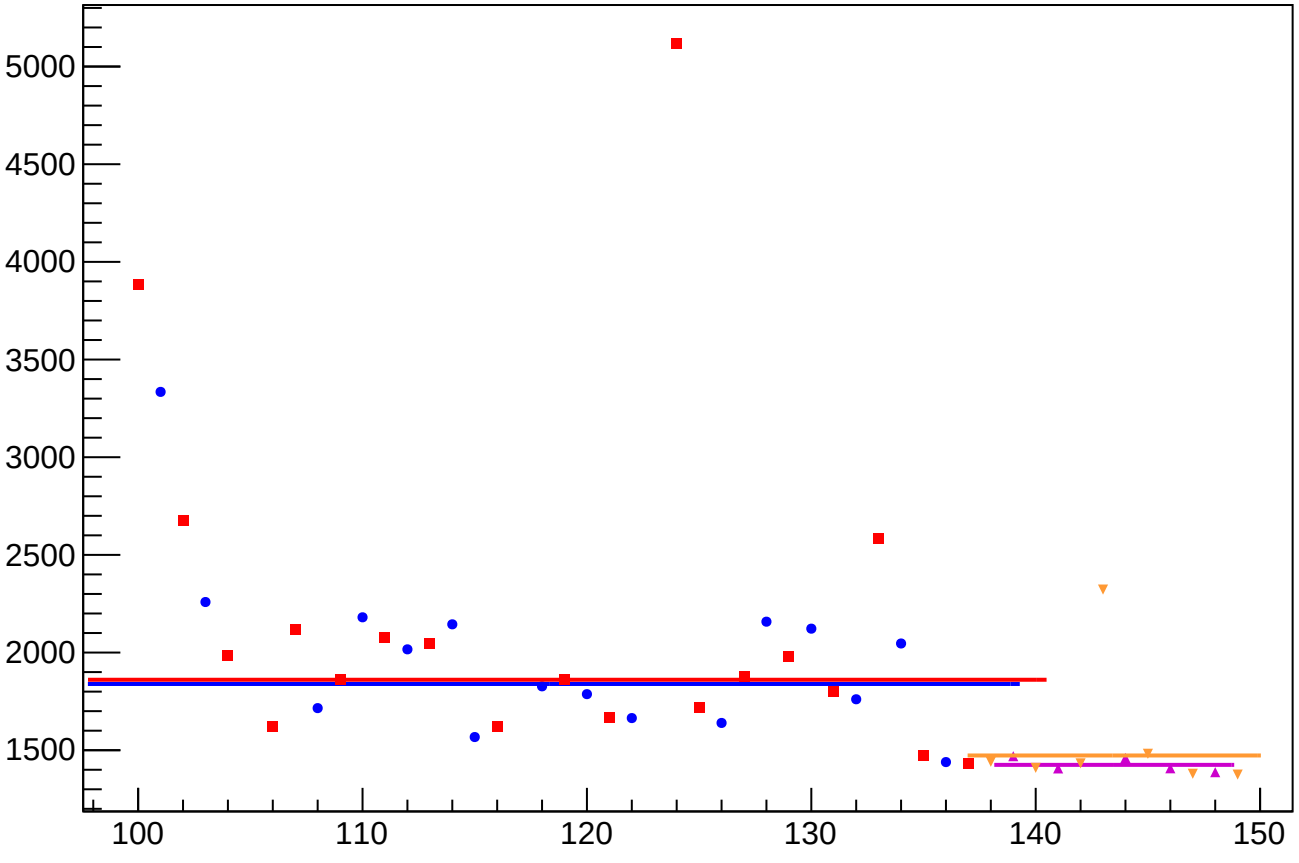
Left In: 162.584+/-681.529 χ^2/NDF:4.3/4

+ sign -531.928+/-473.547 χ^2/NDF: 33.1/22

All: -295.635+/-339.917 χ^2/NDF: 48.4/46

- 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: 1473.121+/-0.455 χ^2/NDF:239086.8/6

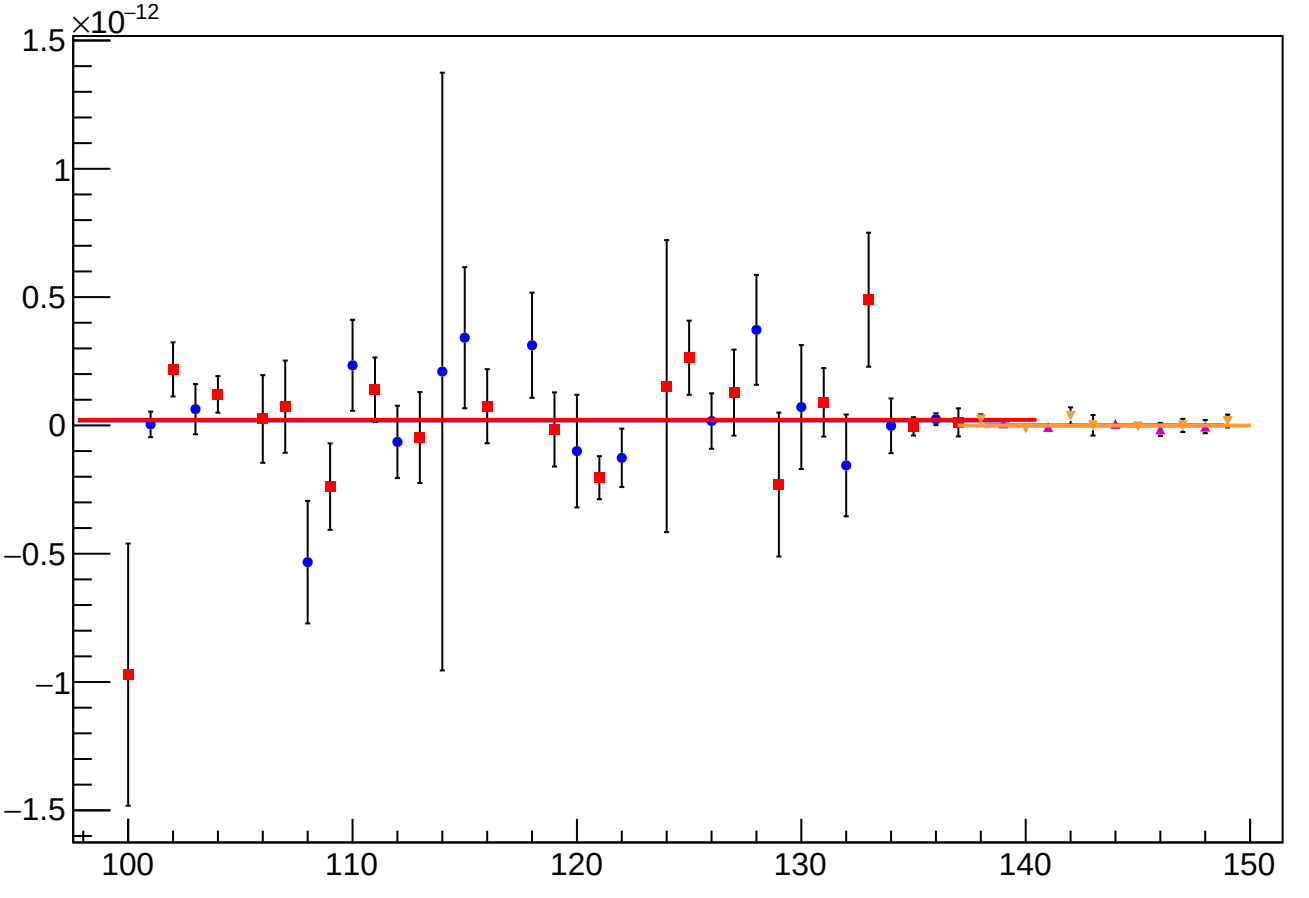
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1425.036+/-0.482 χ^2/NDF:4393.4/4

+ sign 1641.104+/-0.335 χ^2/NDF: 1092469.4/22

All: 1639.192+/-0.240 χ^2/NDF: 2017017.4/46

- 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:4.5/6

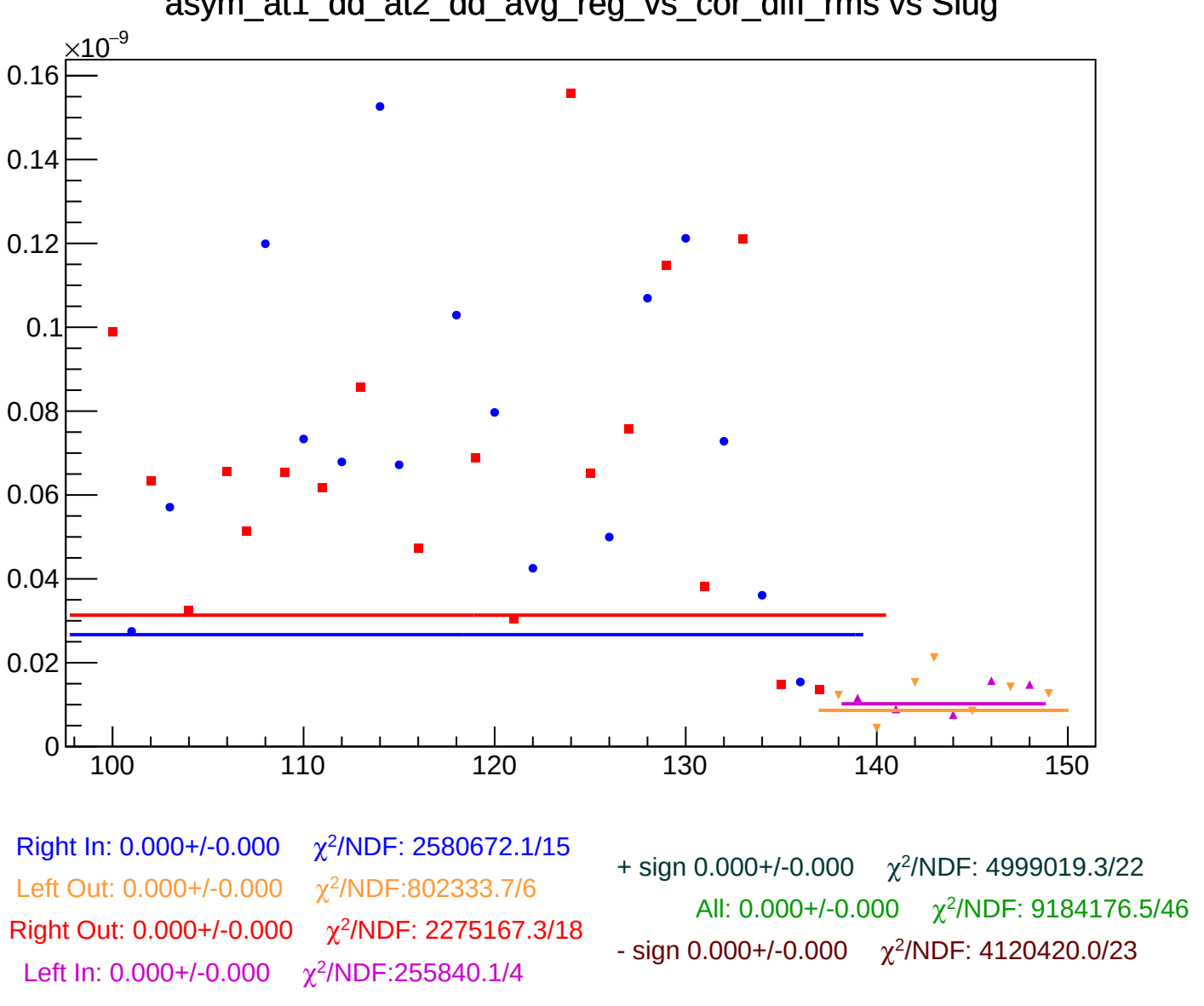
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

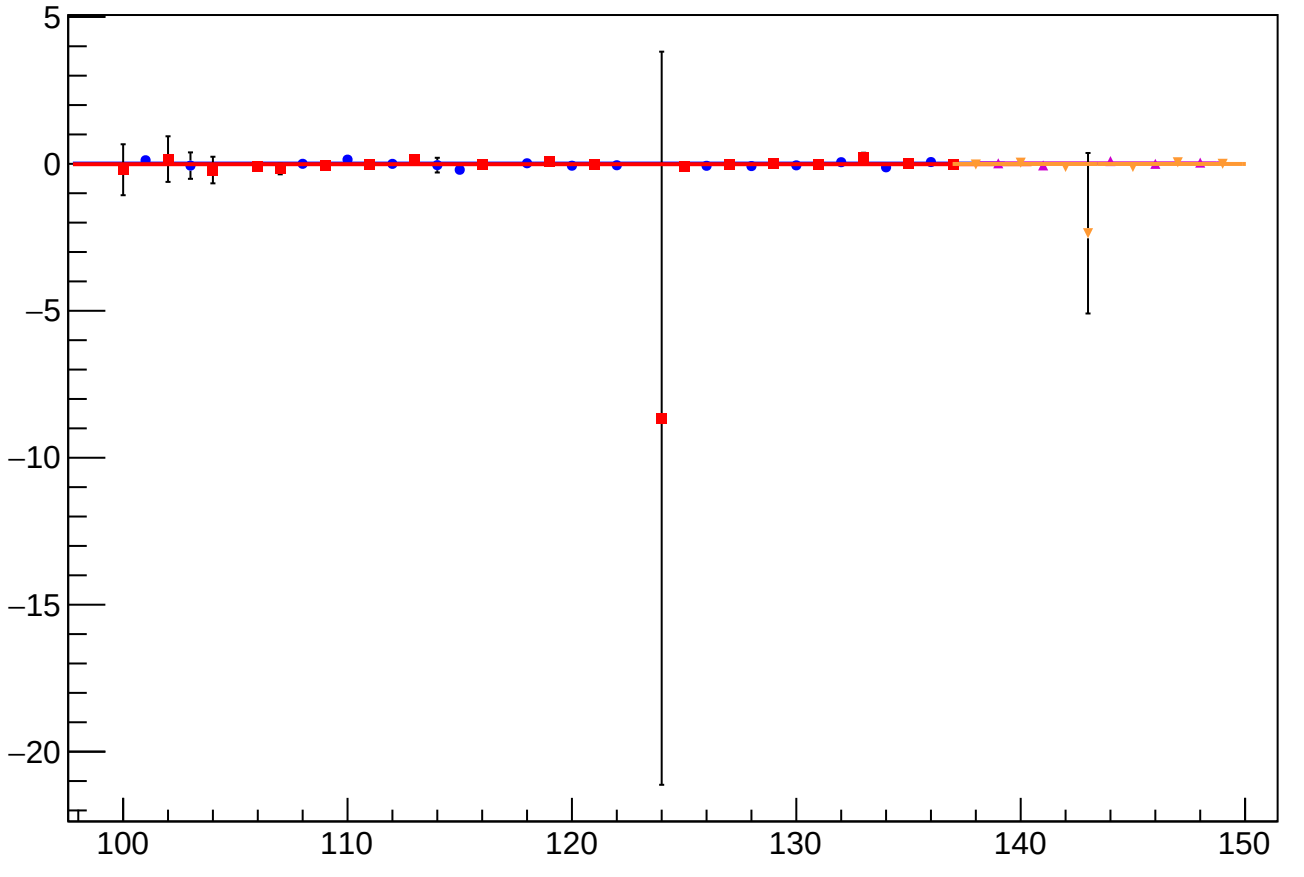
Left In: 0.000+/-0.000 χ^2/NDF:0.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 22.0/22

All: 0.000+/-0.000 χ^2/NDF: 51.9/46

- 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:802333.7/6
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: 4999019.3/22
All: 0.000+/-0.000 χ²/NDF: 9184176.5/46
- sign 0.000+/-0.000 χ²/NDF: 4120420.0/23



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.004+/-0.017 χ^2/NDF:8.8/6

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

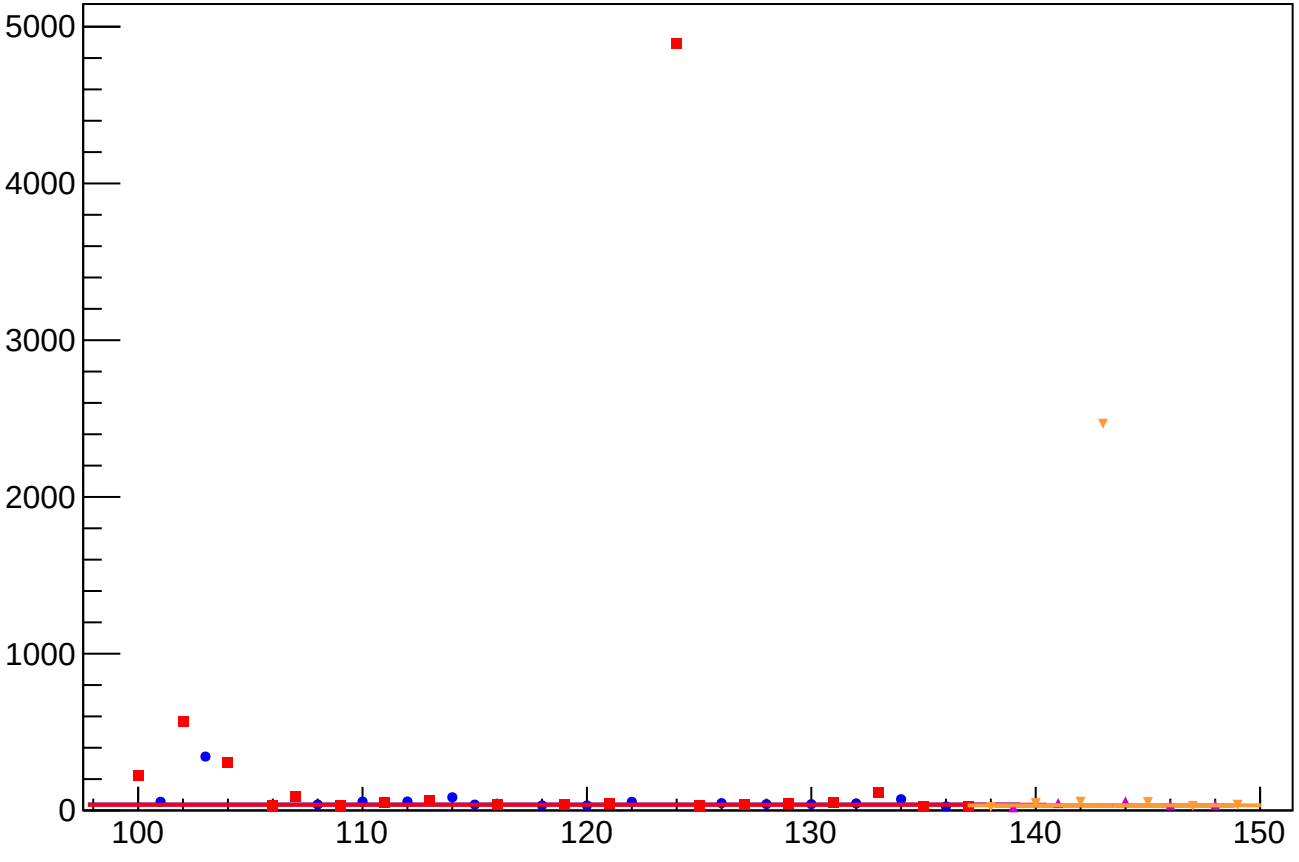
Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/22

All: 0.002+/-0.008 χ^2/NDF: 46.3/46

- 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: 32.526+/-0.012 χ^2/NDF:2412295.8/6

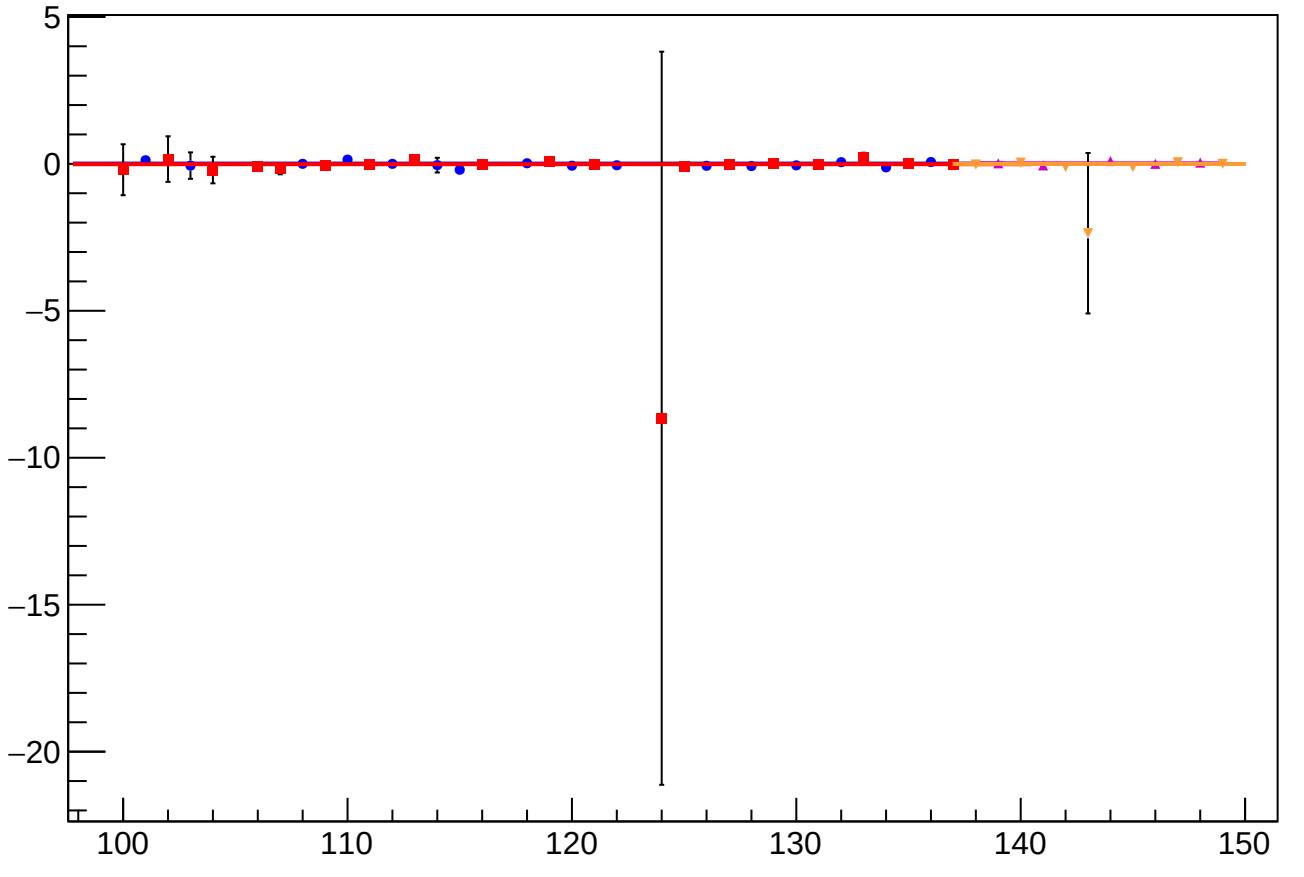
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

+ sign 35.173+/-0.008 χ^2/NDF: 4484782.8/22

All: 34.804+/-0.006 χ^2/NDF: 8648970.3/46

- 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: -0.004+/-0.017 χ^2/NDF:8.8/6

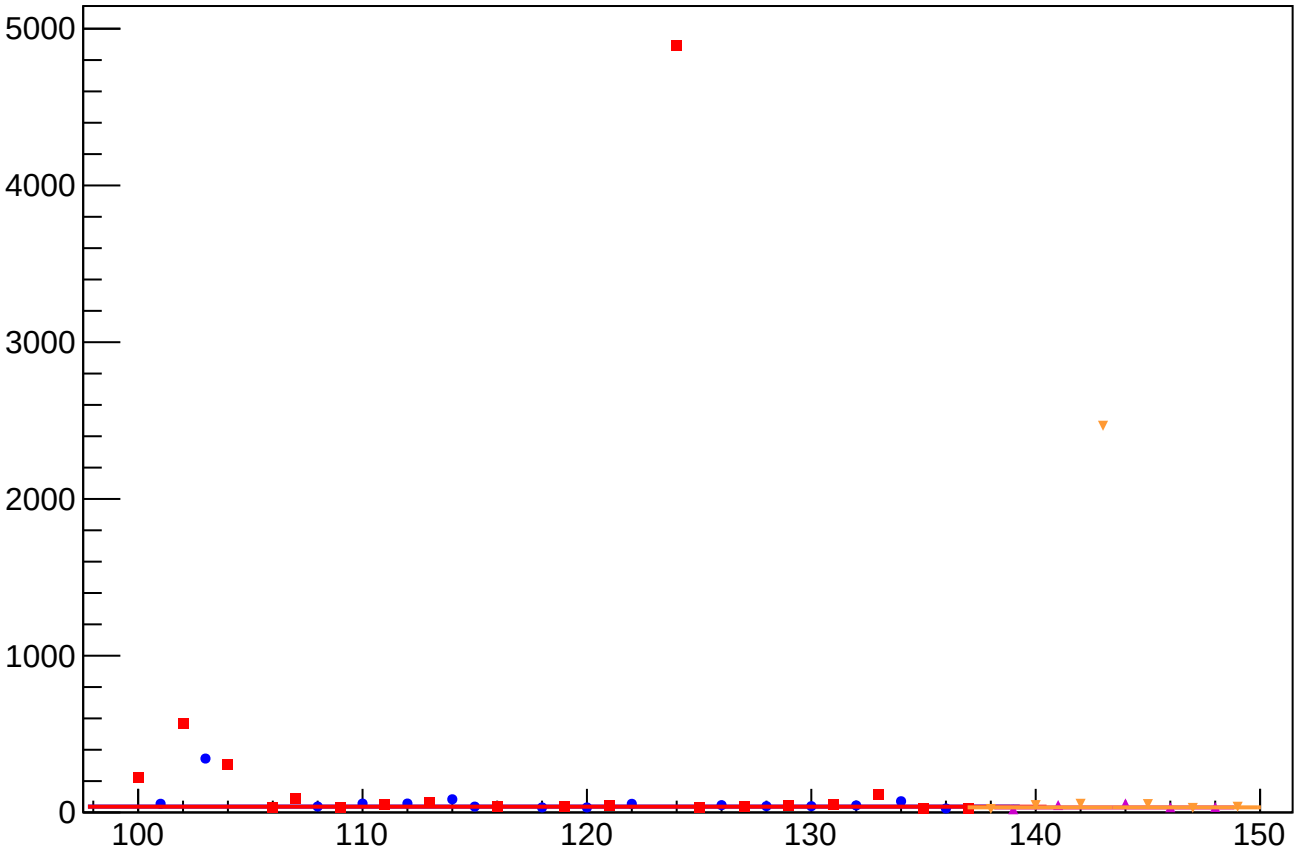
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/22

All: 0.002+/-0.008 χ^2/NDF: 46.3/46

- 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: 32.526+/-0.012 χ^2/NDF:2412295.8/6

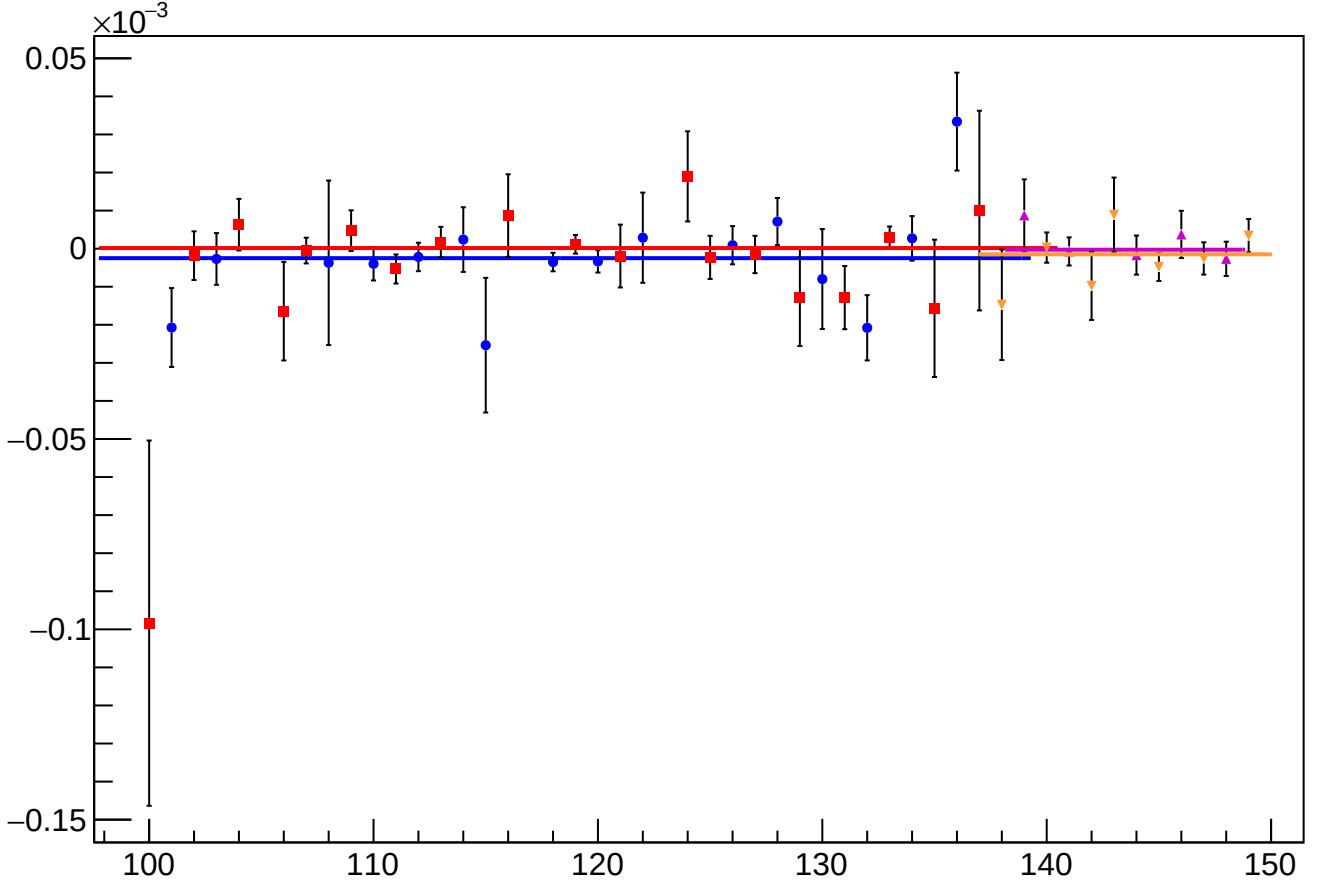
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

+ sign 35.173+/-0.008 χ^2/NDF: 4484782.8/22

All: 34.804+/-0.006 χ^2/NDF: 8648970.3/46

- 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:5.1/6

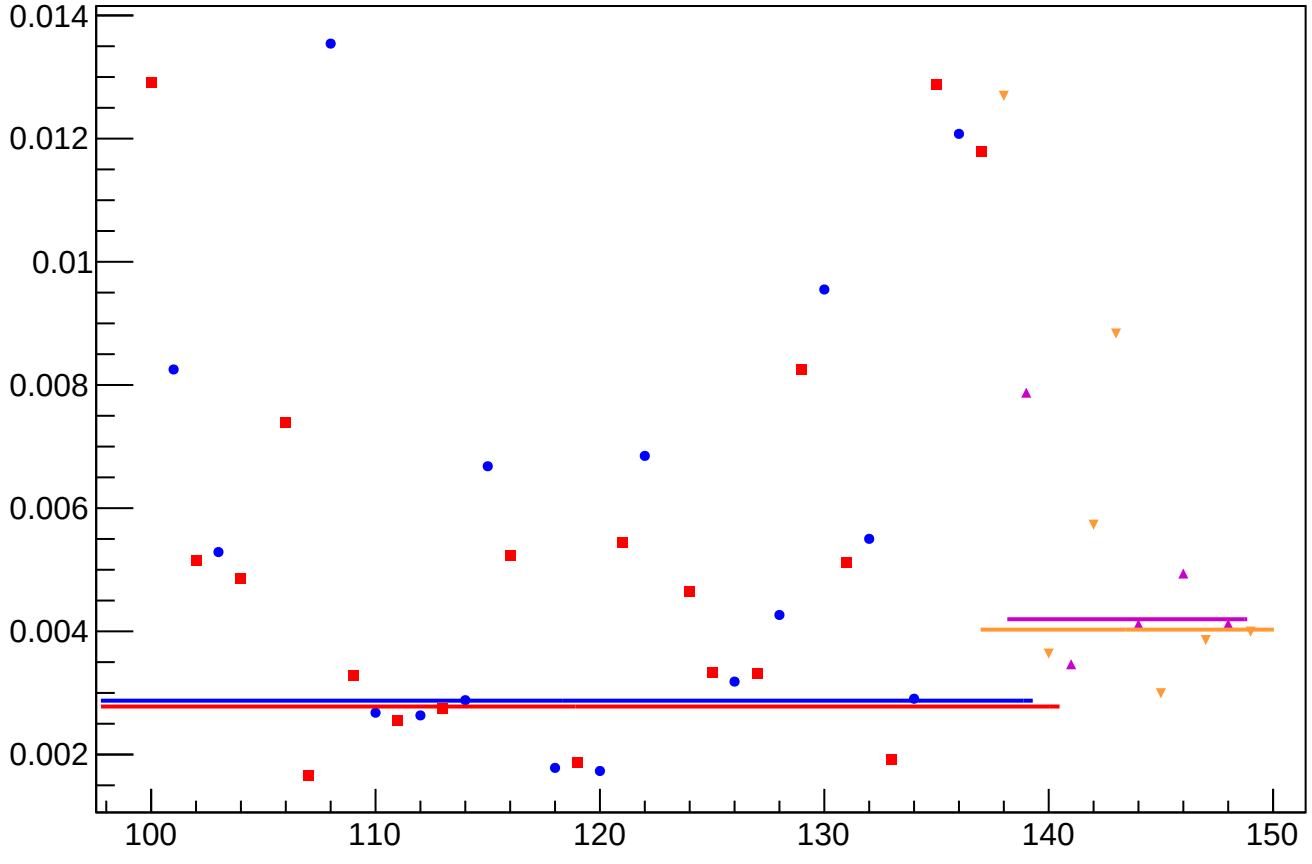
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 27.2/22

All: -0.000+/-0.000 χ^2/NDF: 50.0/46

- 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:1449222.5/6

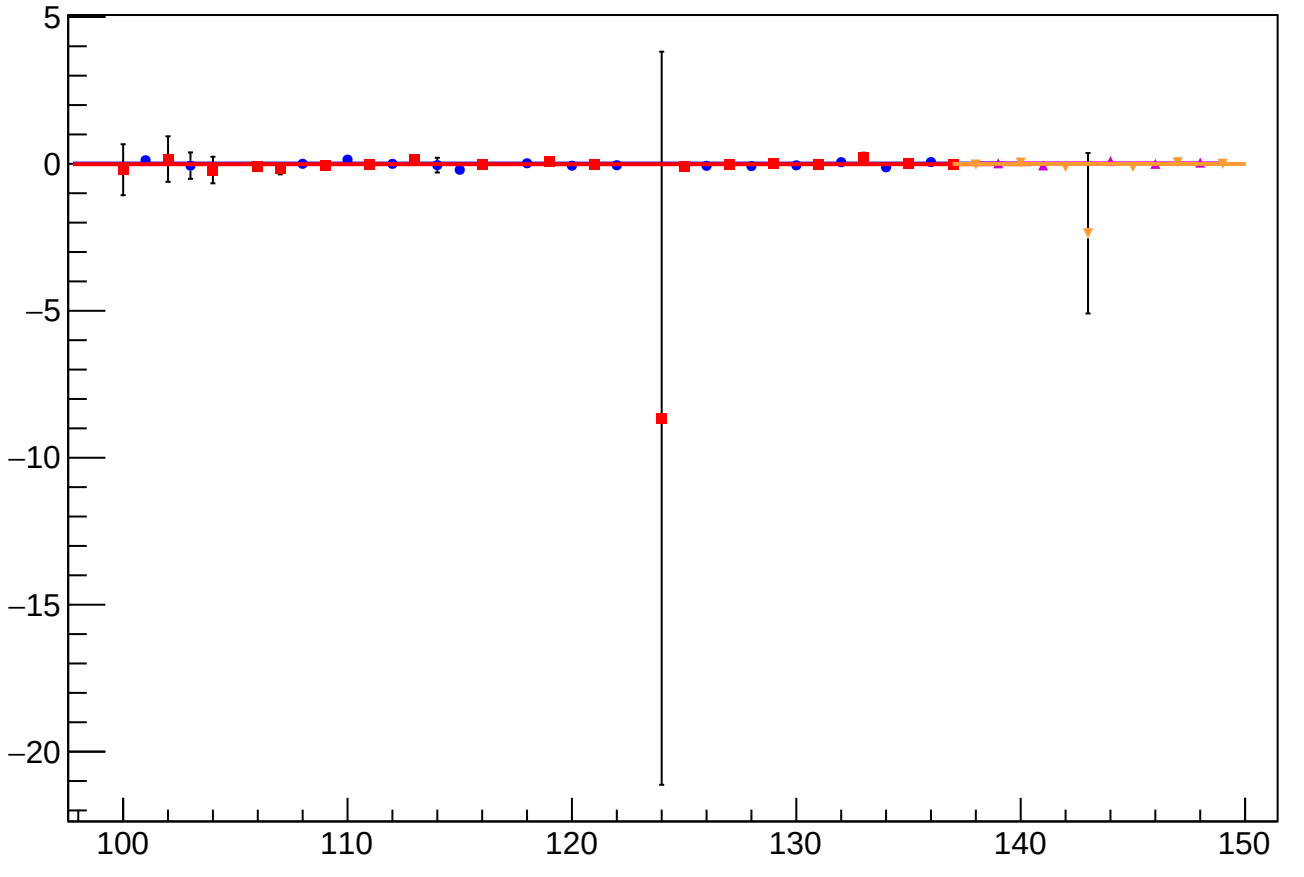
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:410575.2/4

+ sign 0.003+/-0.000 χ^2/NDF: 6097108.4/22

All: 0.003+/-0.000 χ^2/NDF: 10465140.2/46

- 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: -0.004+/-0.017 χ^2/NDF:8.8/6

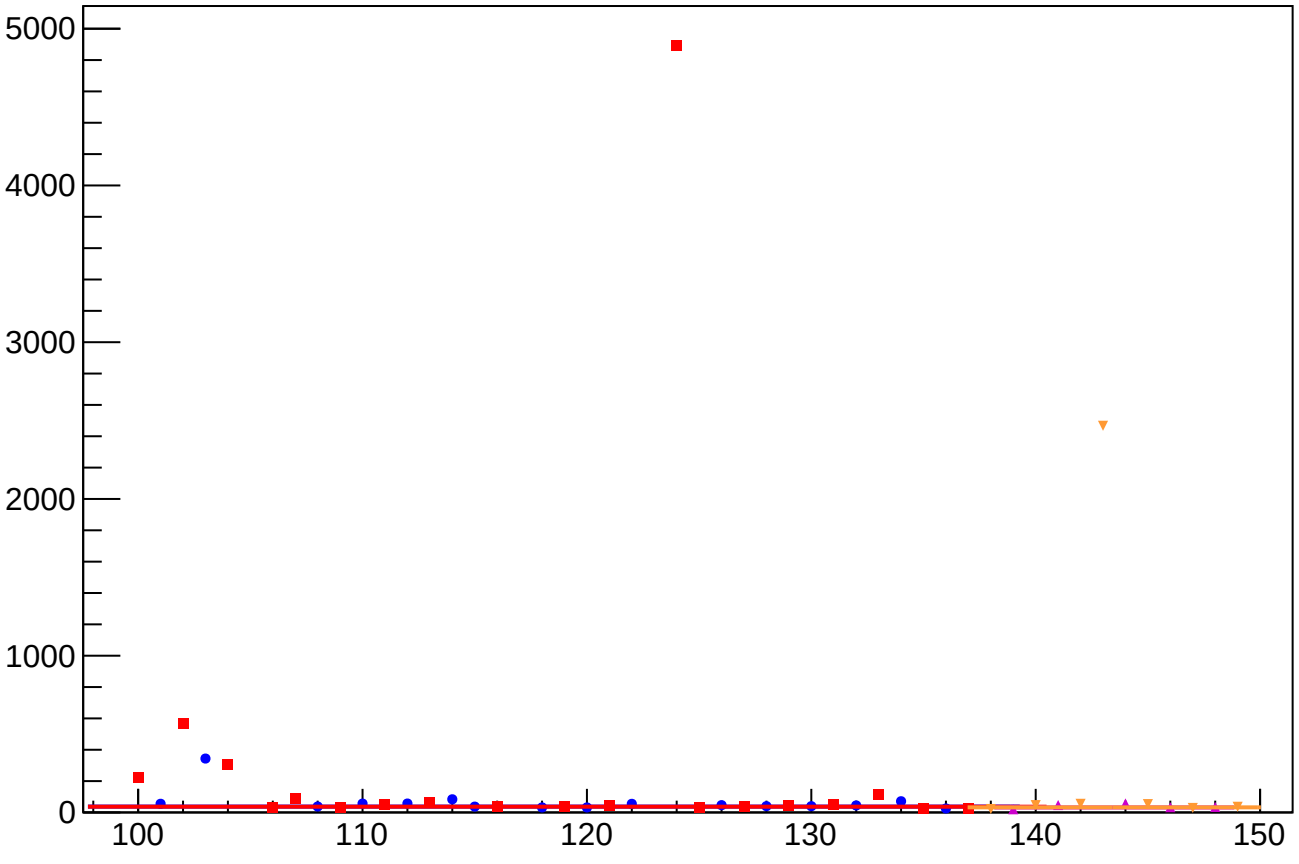
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/22

All: 0.002+/-0.008 χ^2/NDF: 46.3/46

- sign 0.002+/-0.012 χ^2/NDF: 17.9/23



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 32.523+/-0.012 χ^2/NDF:2412617.4/6

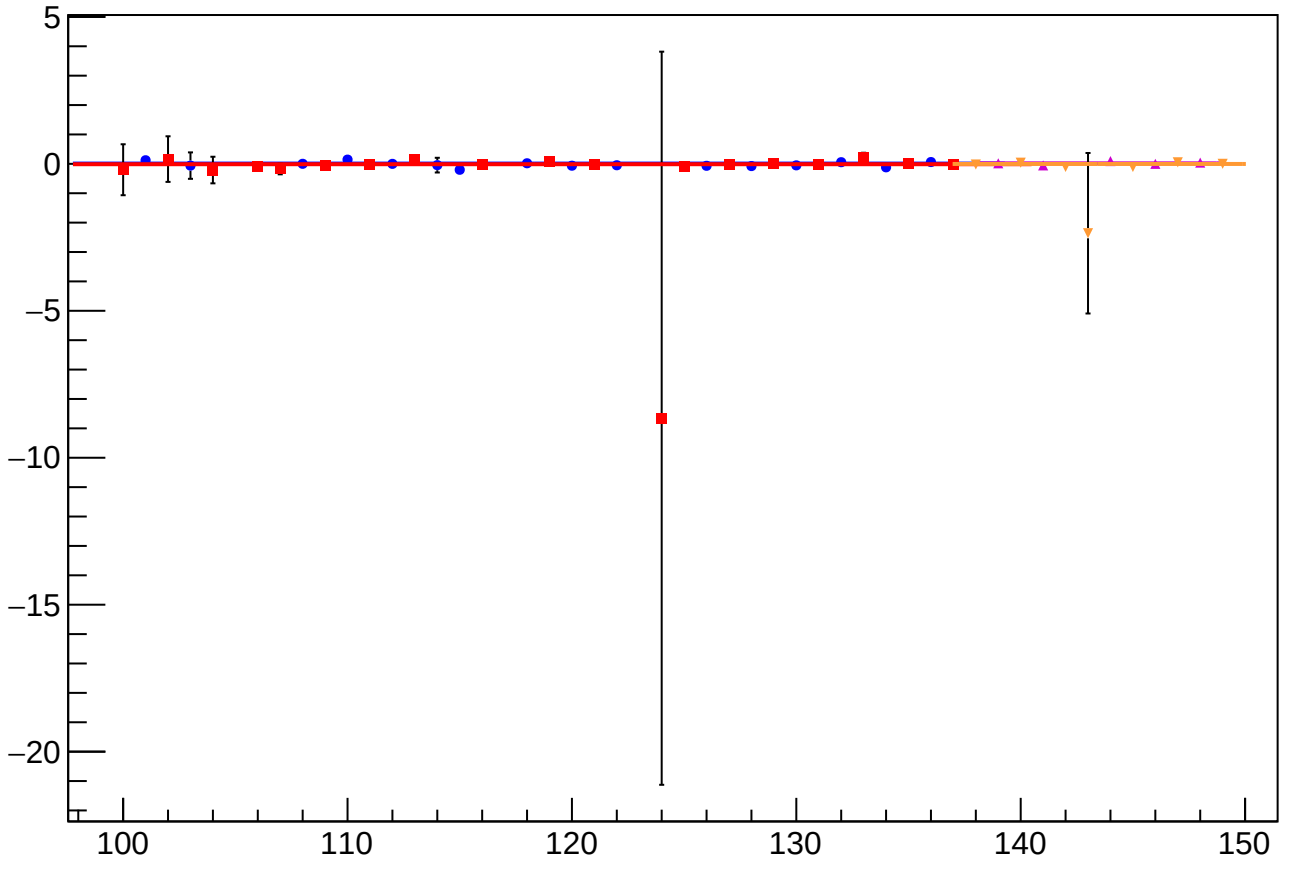
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

+ sign 35.172+/-0.008 χ^2/NDF: 4485178.5/22

All: 34.805+/-0.006 χ^2/NDF: 8648155.8/46

- 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: -0.004+/-0.017 χ^2/NDF:8.8/6

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

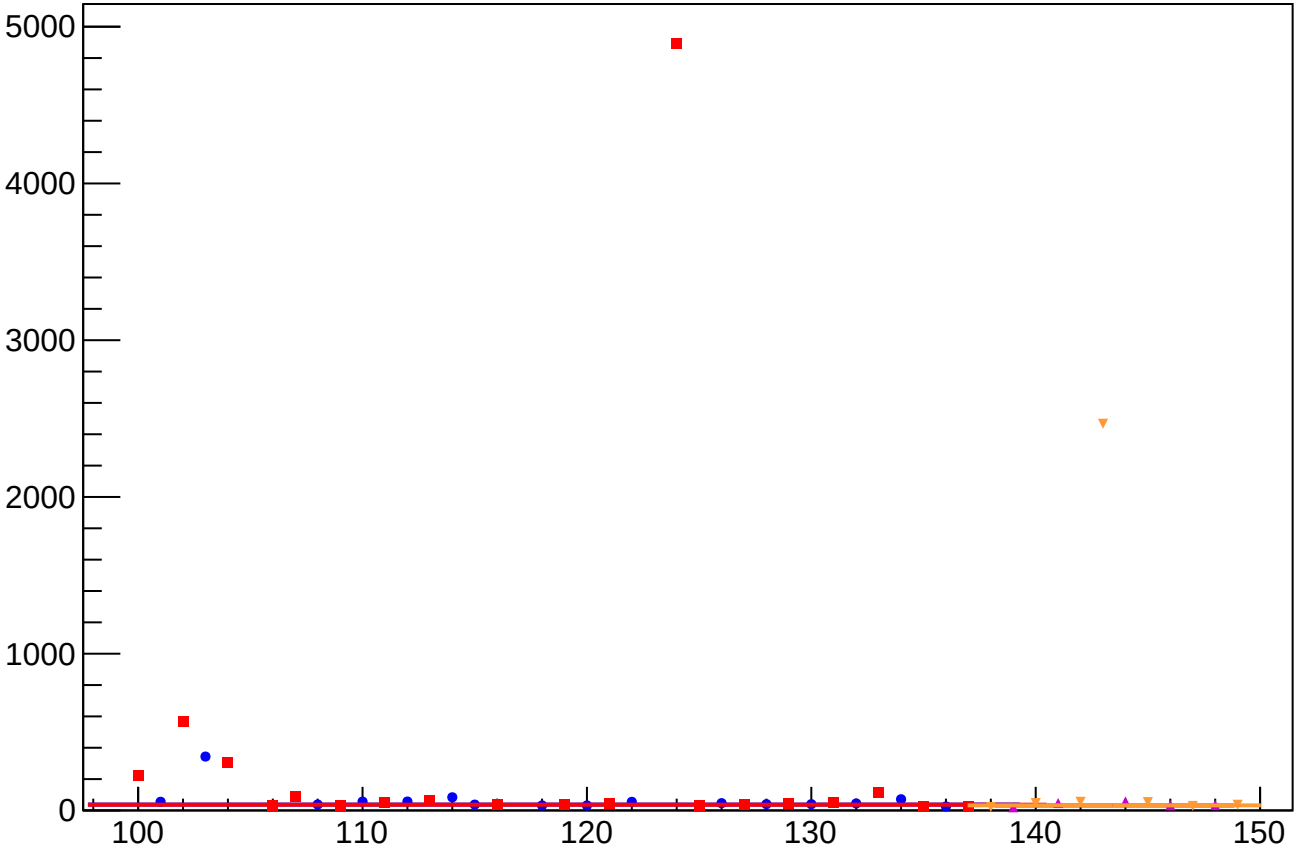
Left In: 0.017+/-0.017 χ^2/NDF:3.9/4

+ sign 0.003+/-0.012 χ^2/NDF: 28.3/22

All: 0.002+/-0.008 χ^2/NDF: 46.3/46

- 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: 32.523+/-0.012 χ^2/NDF:2412617.4/6

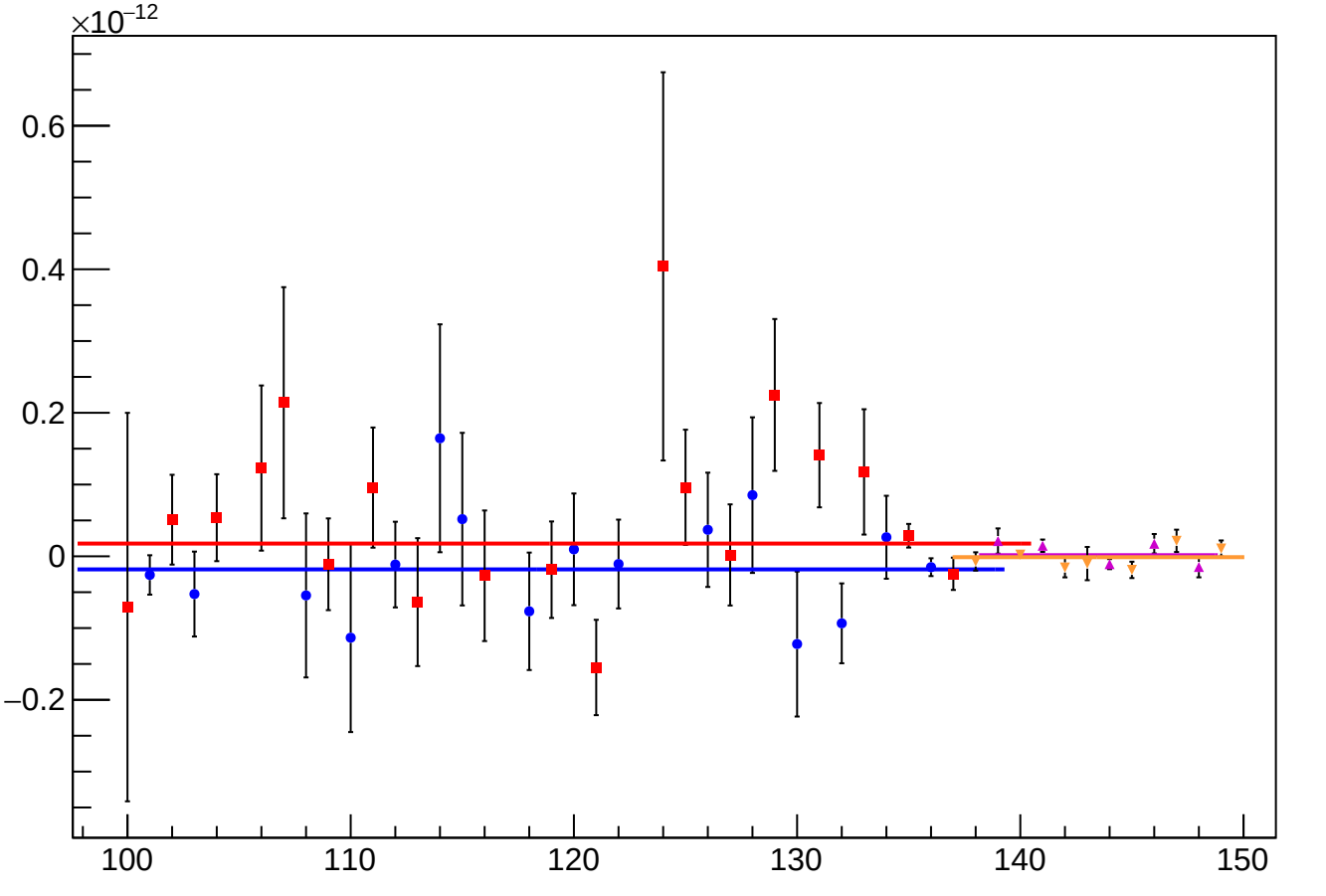
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

+ sign 35.172+/-0.008 χ^2/NDF: 4485178.5/22

All: 34.805+/-0.006 χ^2/NDF: 8648155.8/46

- 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:7.5/6

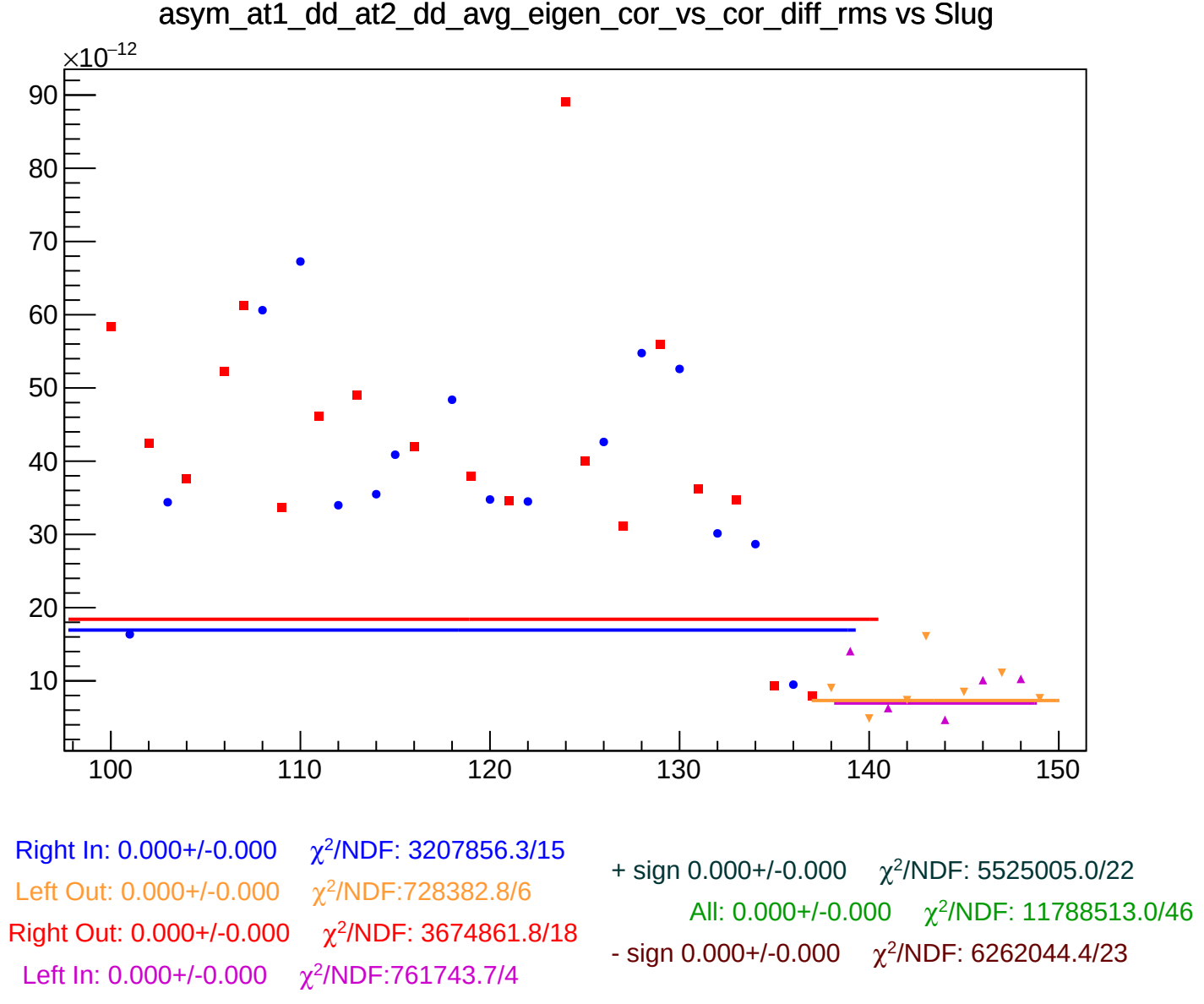
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/4

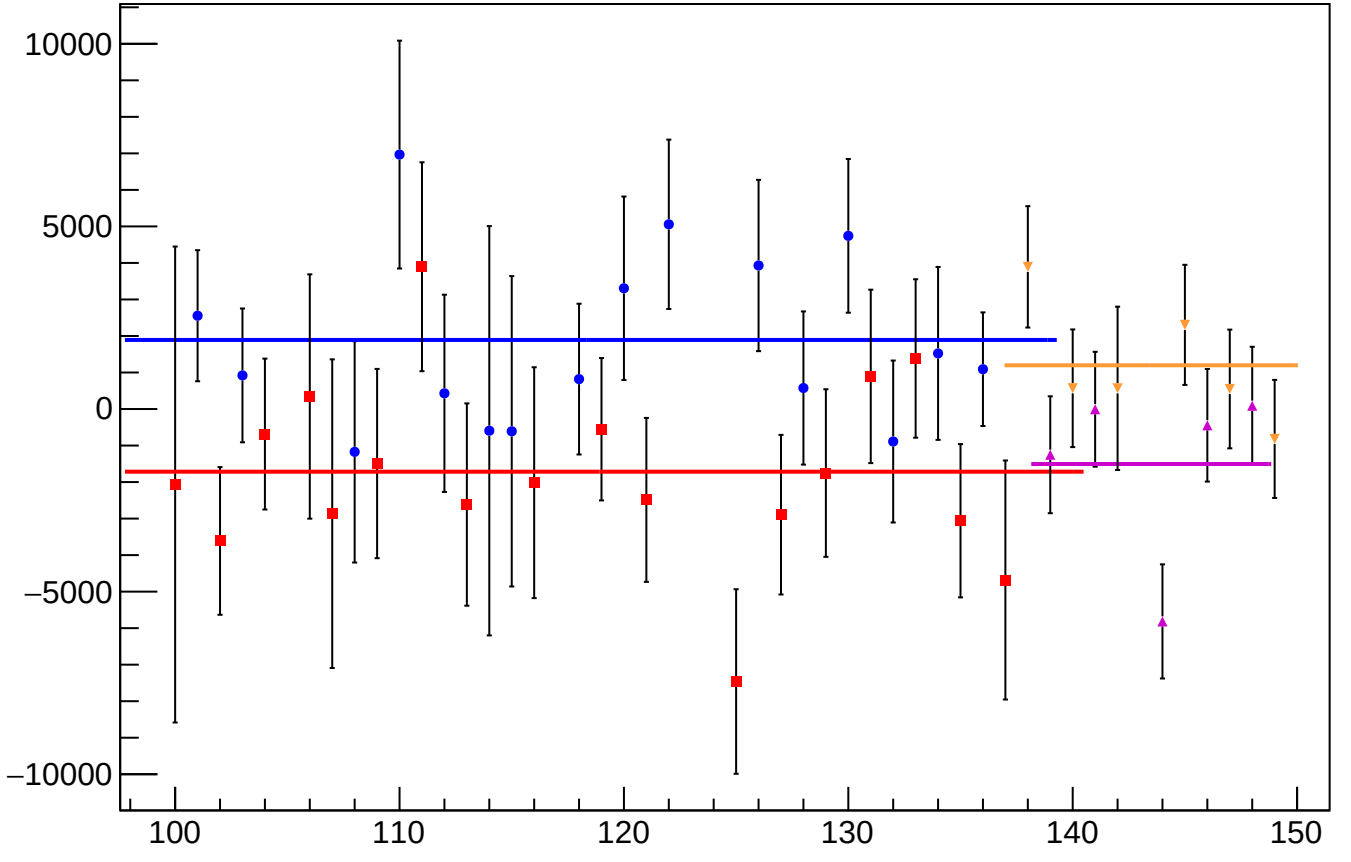
+ sign -0.000+/-0.000 χ^2/NDF: 18.2/22

All: -0.000+/-0.000 χ^2/NDF: 58.6/46

- sign 0.000+/-0.000 χ^2/NDF: 38.5/23


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:728382.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:761743.7/4
+ sign 0.000+/-0.000 χ²/NDF: 5525005.0/22
All: 0.000+/-0.000 χ²/NDF: 11788513.0/46
- sign 0.000+/-0.000 χ²/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: 1197.394+/-693.566 χ^2/NDF:5.0/5

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

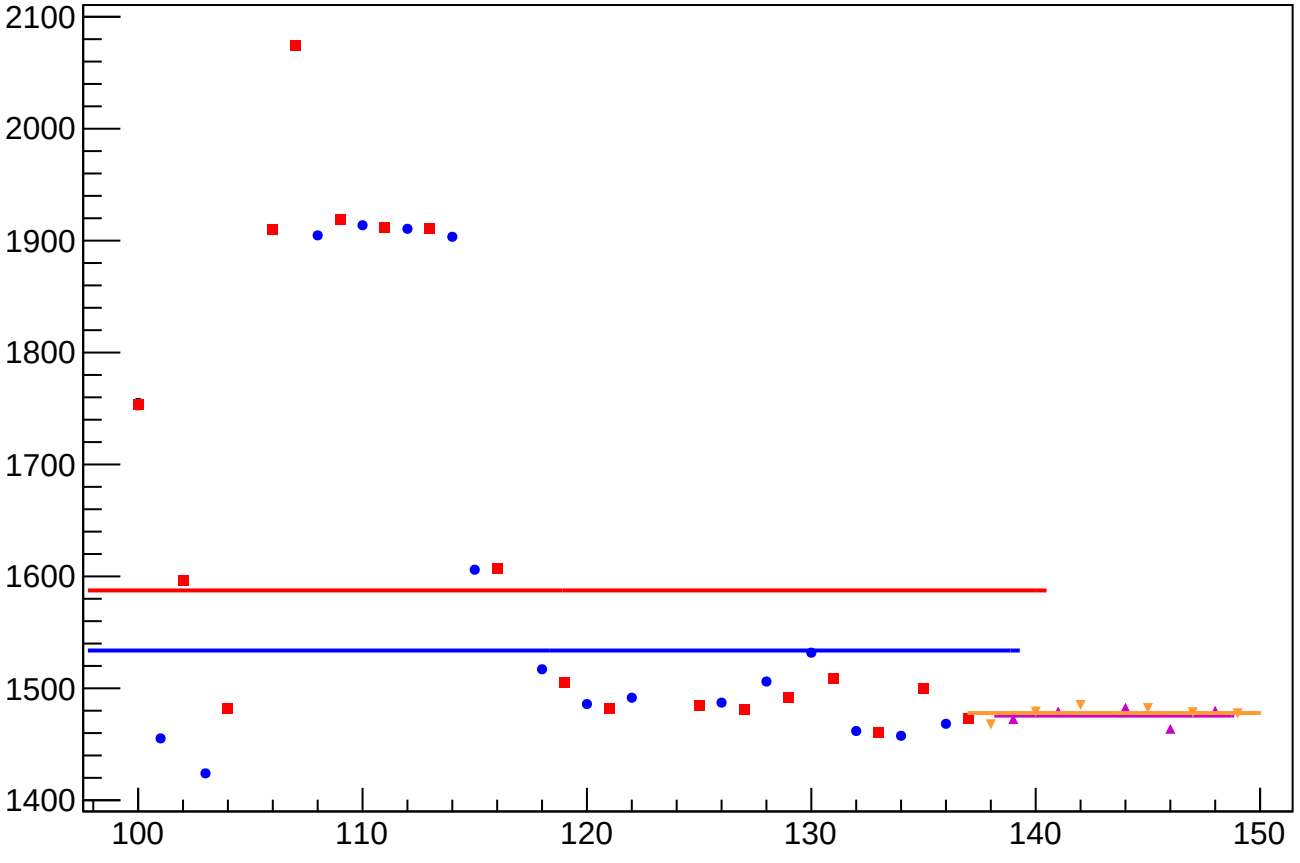
Left In: -1505.886+/-705.477 χ^2/NDF:10.0/4

+ sign 1610.342+/-441.398 χ^2/NDF: 17.9/21

All: 30.159+/-315.923 χ^2/NDF: 70.1/44

- 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: 1477.902+/-0.490 χ^2/NDF:110.6/5

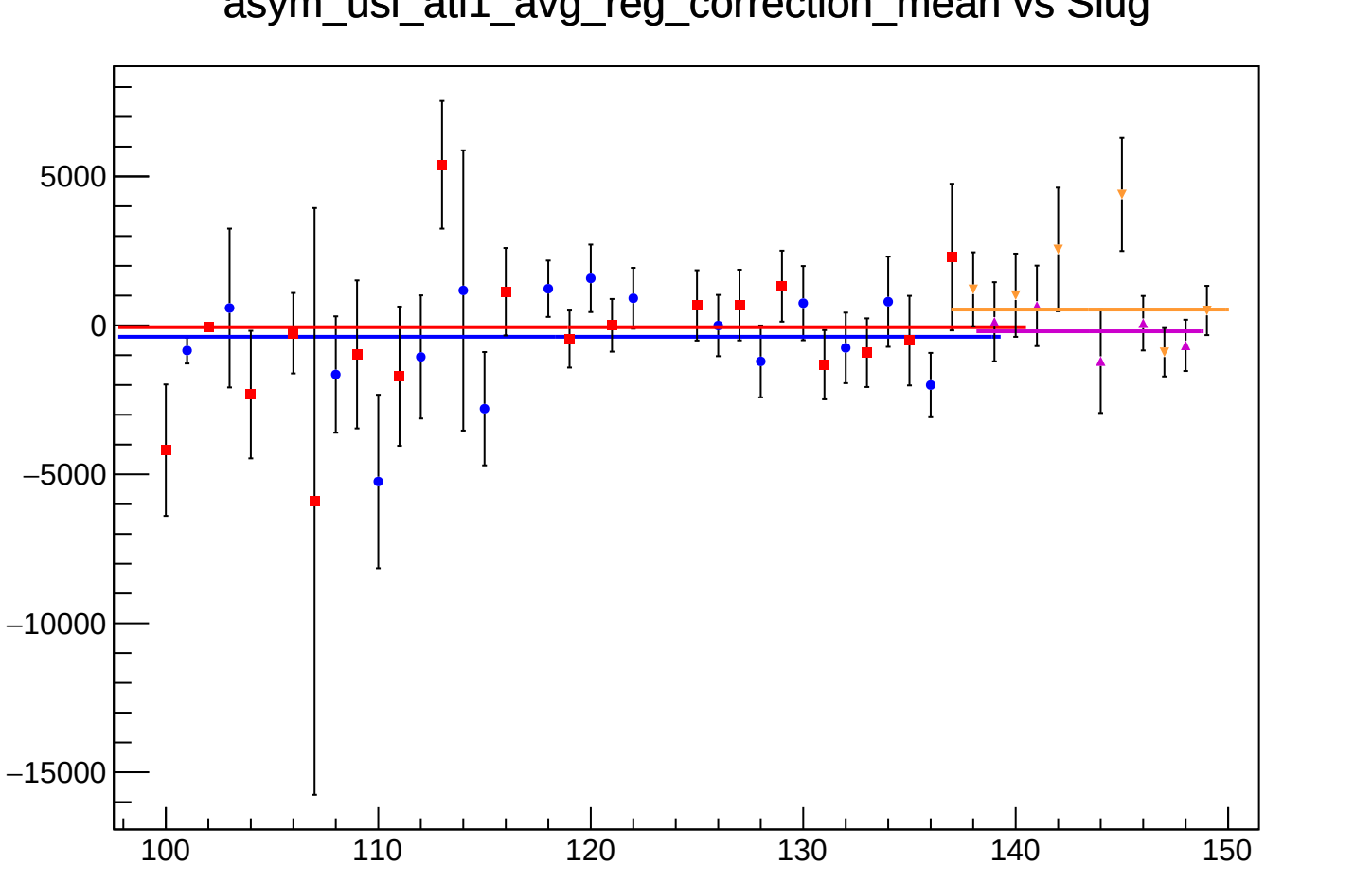
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1475.630+/-0.499 χ^2/NDF:191.5/4

+ sign 1511.143+/-0.312 χ^2/NDF: 137103.4/21

All: 1525.939+/-0.223 χ^2/NDF: 343483.6/44

- 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: 533.600+/-463.827 χ^2/NDF:8.6/5

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

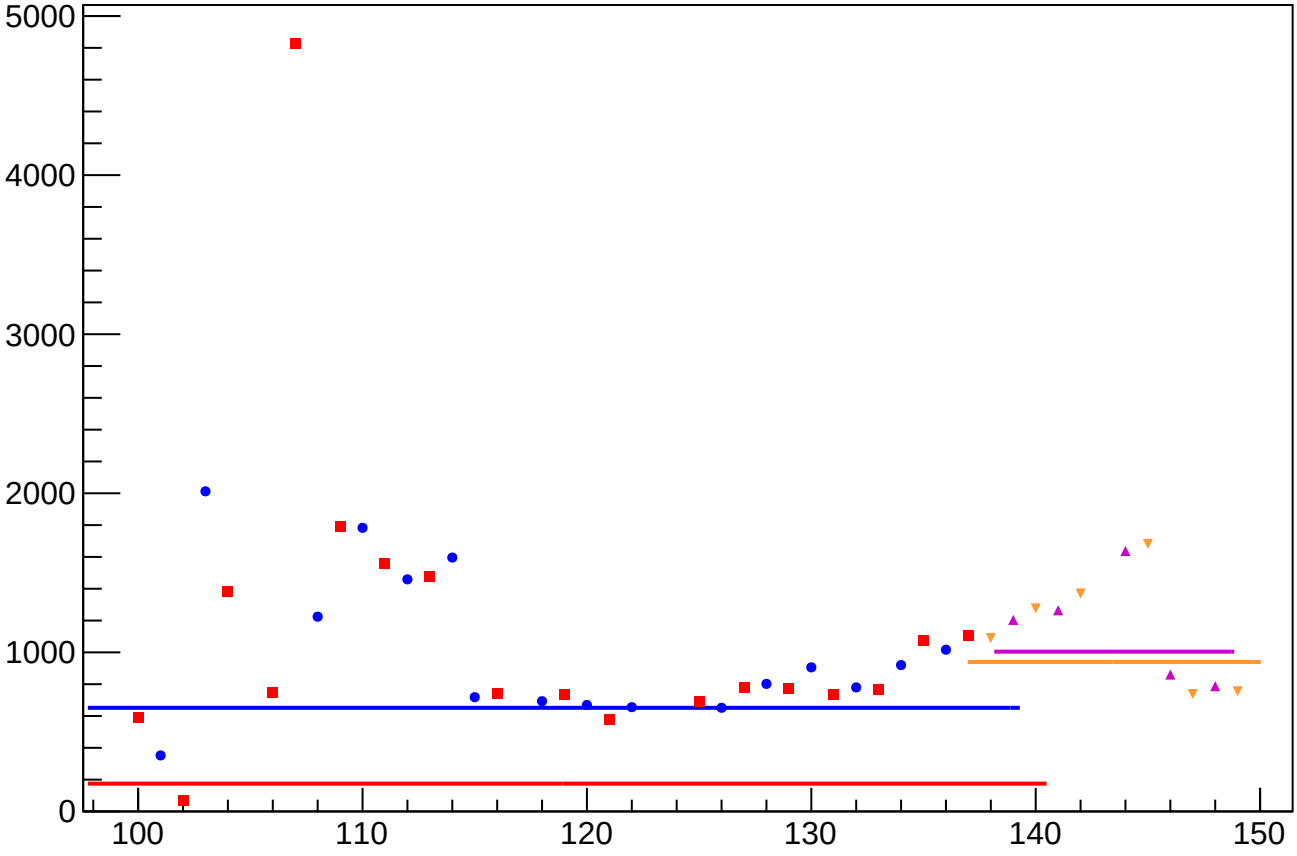
Left In: -196.738+/-500.778 χ^2/NDF:1.2/4

+ sign -148.021+/-234.766 χ^2/NDF: 29.7/21

All: -85.649+/-109.466 χ^2/NDF: 48.8/44

- 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: 939.494+/-0.328 χ^2/NDF:760044.7/5

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

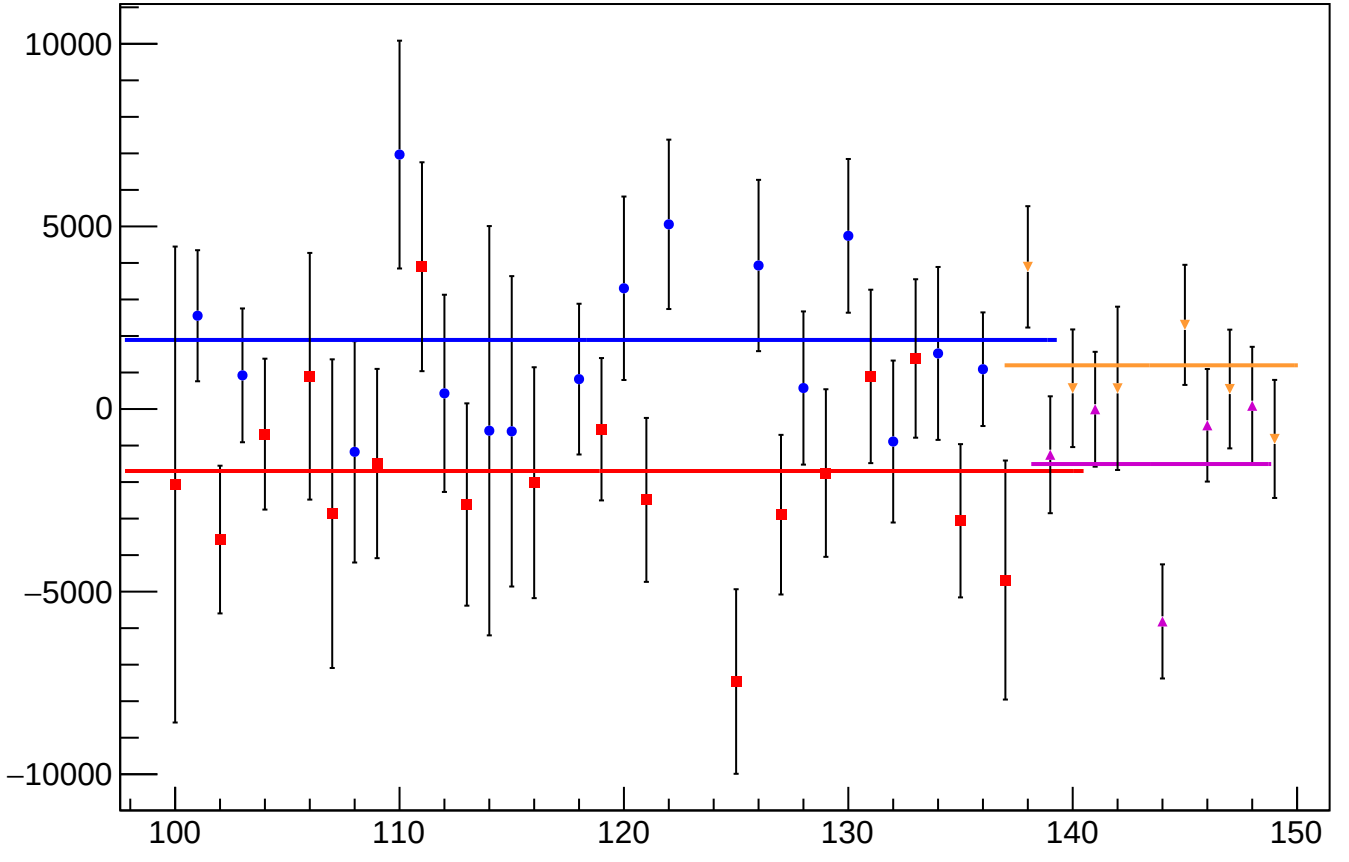
Left In: 1004.451+/-0.354 χ^2/NDF:560372.3/4

+ sign 725.297+/-0.166 χ^2/NDF: 4096128.3/21

All: 334.201+/-0.077 χ^2/NDF: 26663279.2/44

- 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: 1197.290+/-693.566 χ^2/NDF:5.0/5

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

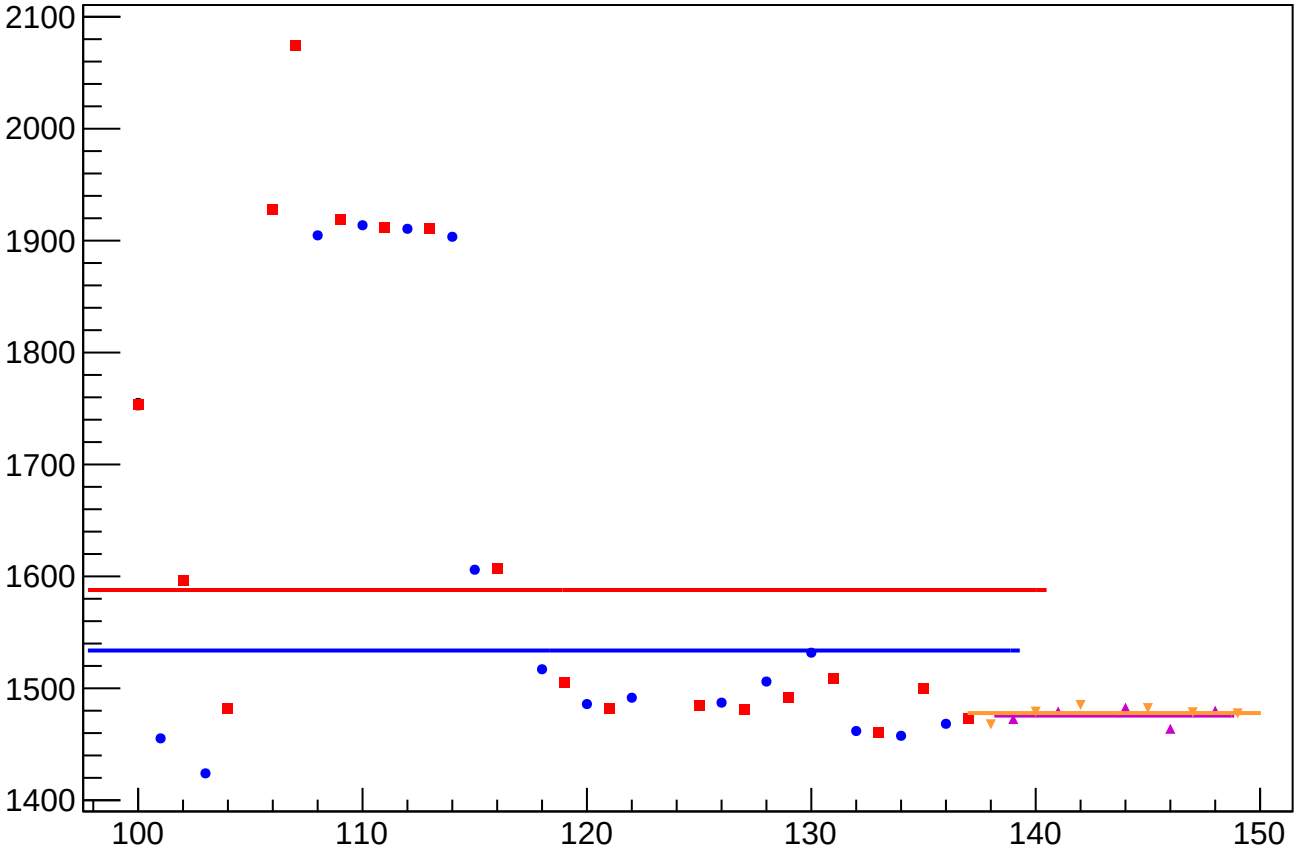
Left In: -1506.046+/-705.477 χ^2/NDF:10.0/4

+ sign 1610.363+/-441.398 χ^2/NDF: 17.9/21

All: 35.878+/-315.951 χ^2/NDF: 70.1/44

- 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: 1477.902+/-0.490 χ^2/NDF:110.6/5

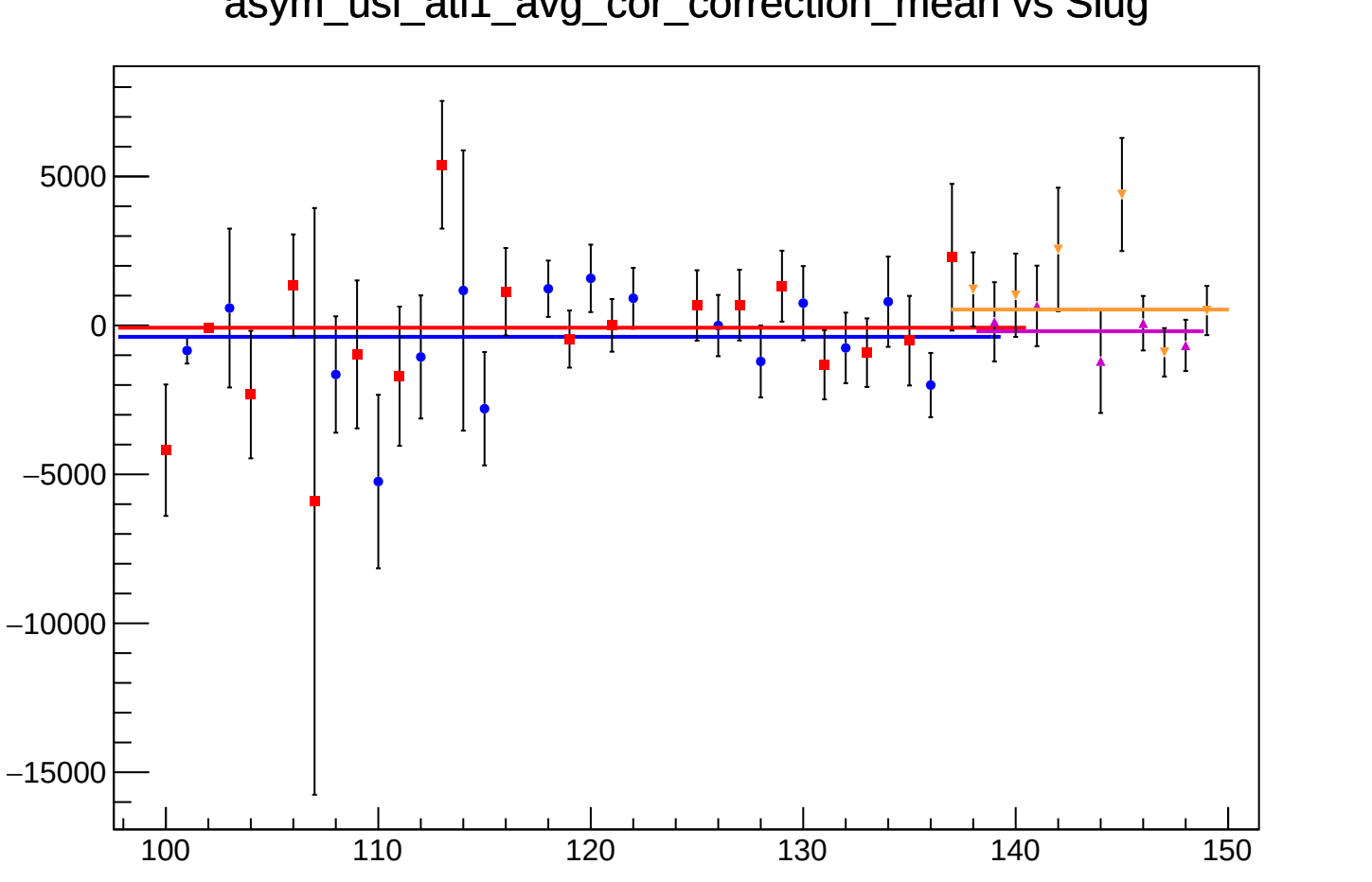
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1475.630+/-0.499 χ^2/NDF:191.5/4

+ sign 1511.143+/-0.312 χ^2/NDF: 137103.3/21

All: 1526.038+/-0.223 χ^2/NDF: 345521.8/44

- 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: 533.361+/-463.831 χ^2/NDF:8.6/5

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

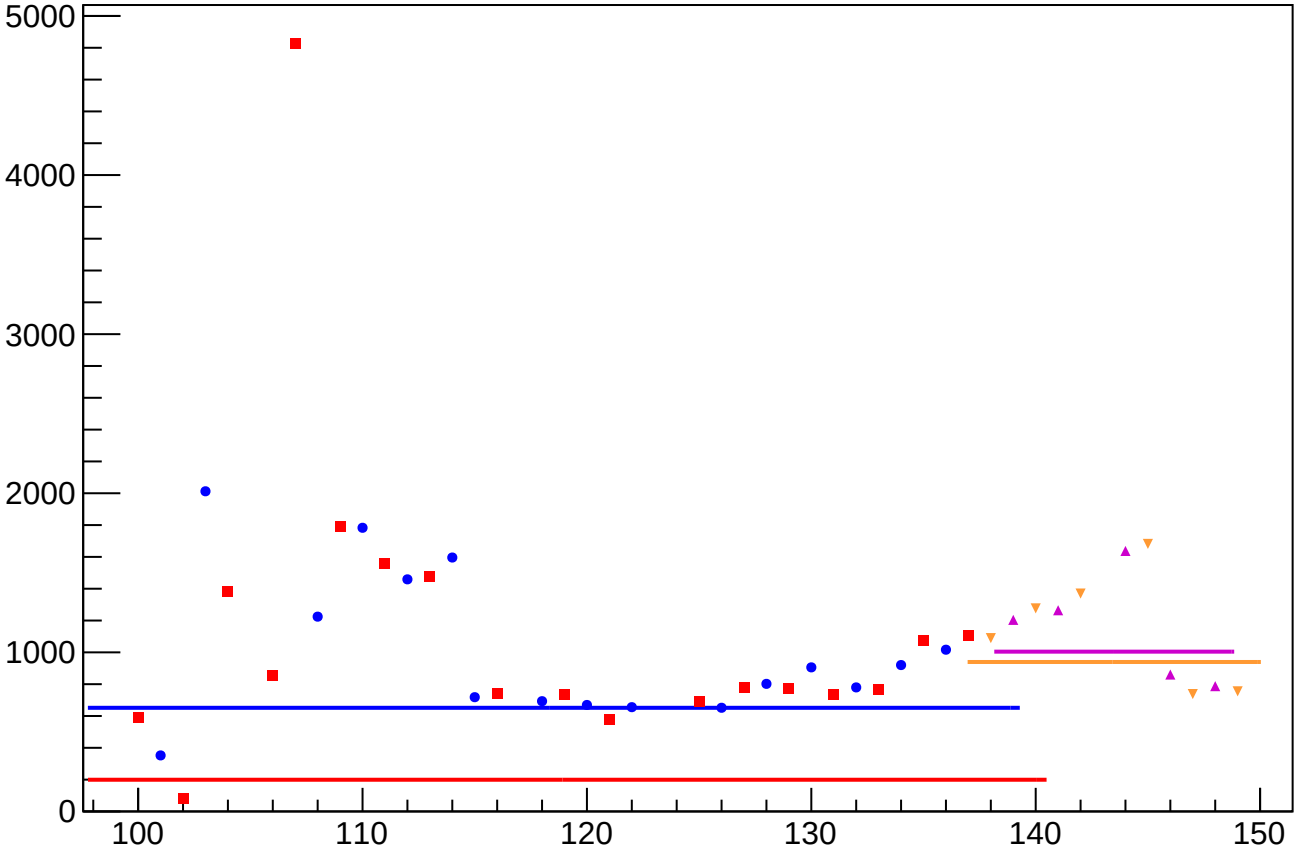
Left In: -196.861+/-500.773 χ^2/NDF:1.2/4

+ sign -148.066+/-234.766 χ^2/NDF: 29.7/21

All: -100.538+/-115.828 χ^2/NDF: 49.5/44

- 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: 939.504+/-0.328 χ^2/NDF:760022.4/5

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

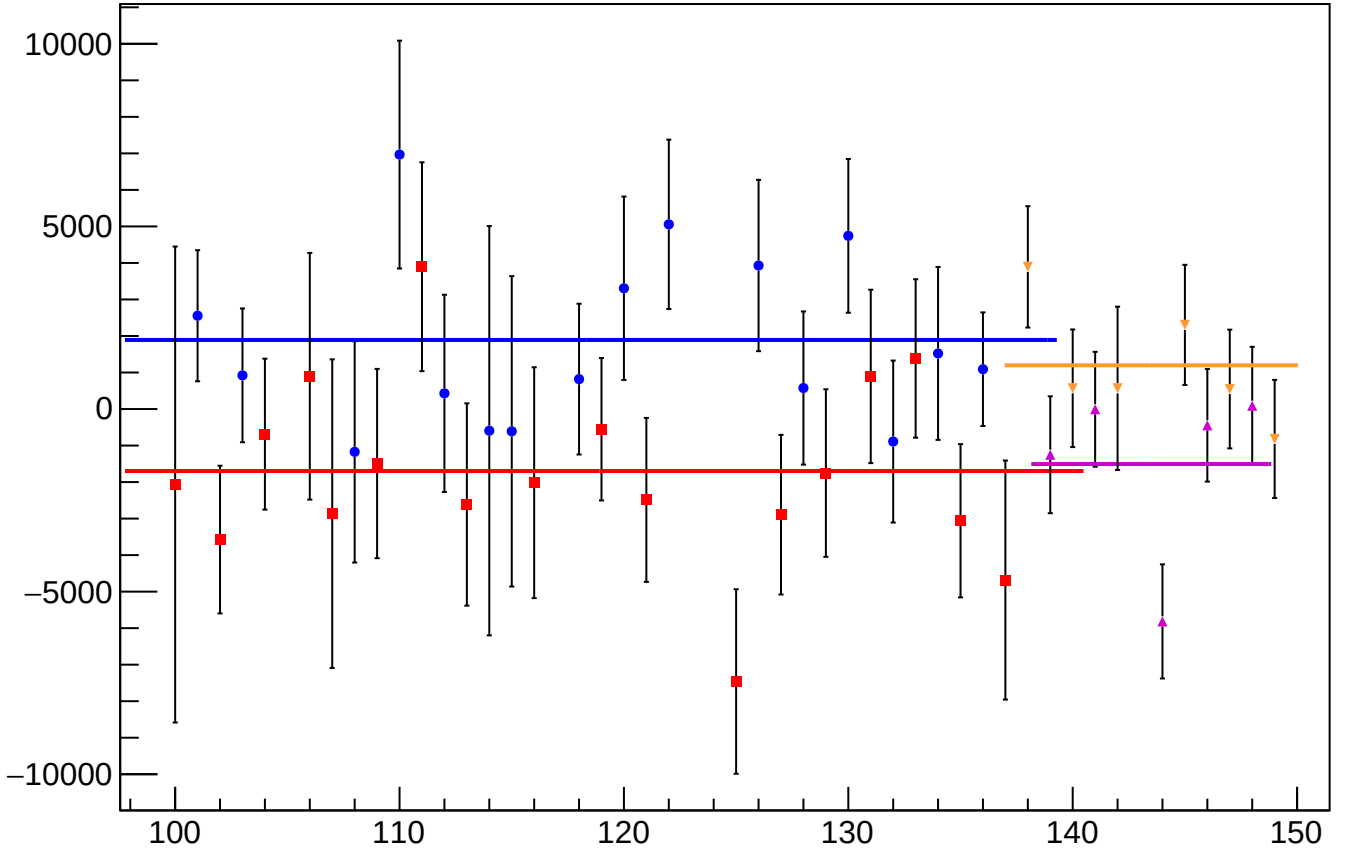
Left In: 1004.440+/-0.354 χ^2/NDF:560400.0/4

+ sign 725.298+/-0.166 χ^2/NDF: 4096170.0/21

All: 370.443+/-0.082 χ^2/NDF: 24784824.3/44

- 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: 1197.290+/-693.566 χ^2/NDF:5.0/5

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

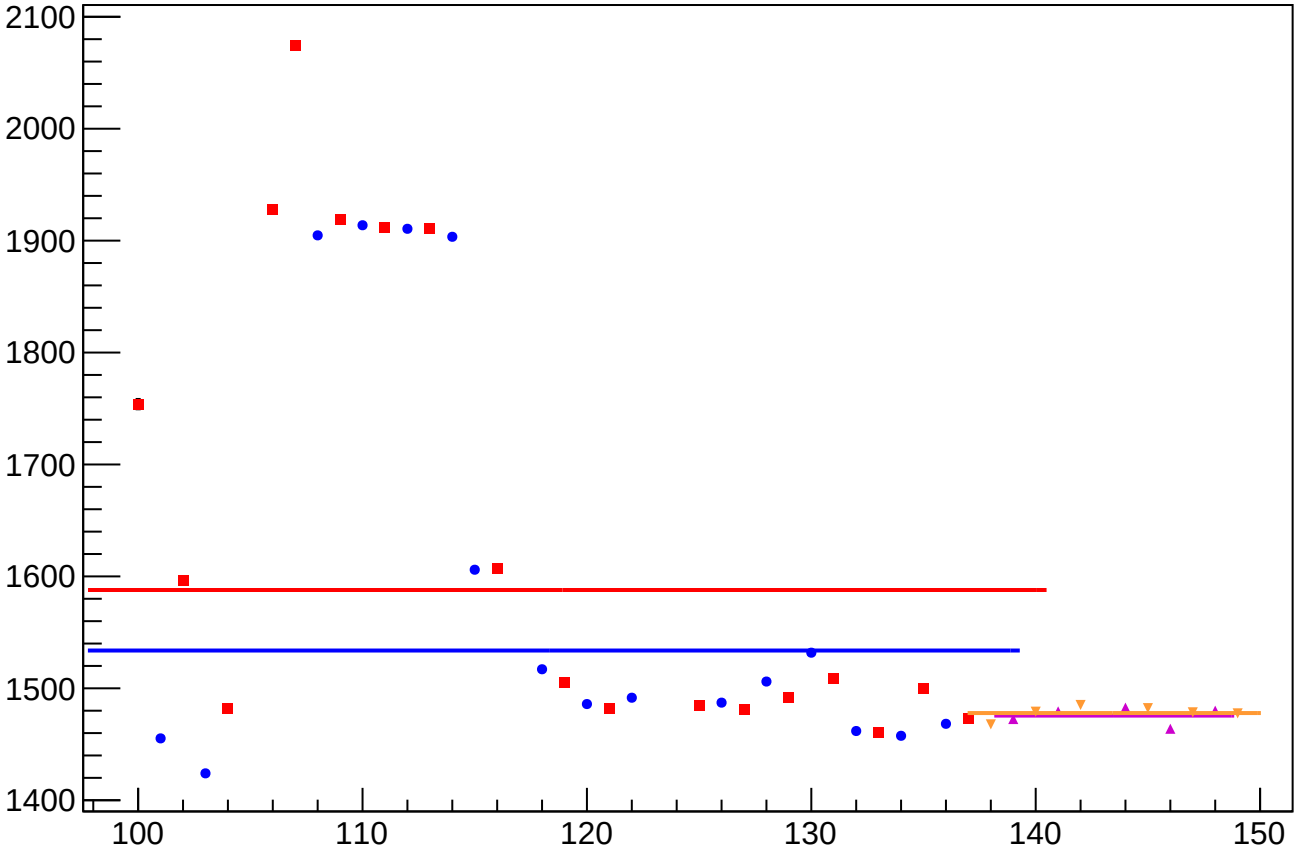
Left In: -1506.046+/-705.477 χ^2/NDF:10.0/4

+ sign 1610.363+/-441.398 χ^2/NDF: 17.9/21

All: 35.878+/-315.951 χ^2/NDF: 70.1/44

- 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: 1477.902+/-0.490 χ^2/NDF:110.6/5

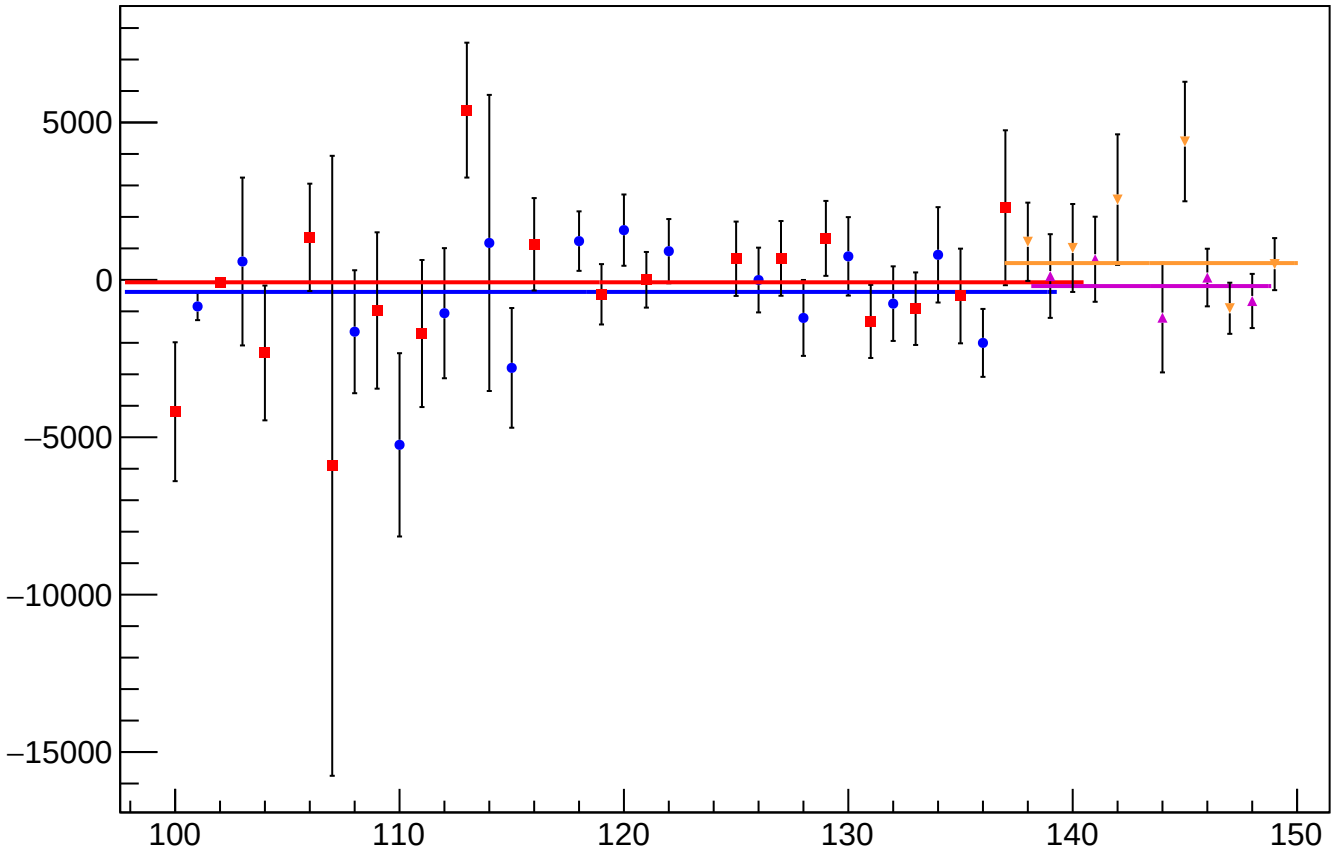
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1475.630+/-0.499 χ^2/NDF:191.5/4

+ sign 1511.143+/-0.312 χ^2/NDF: 137103.3/21

All: 1526.038+/-0.223 χ^2/NDF: 345521.8/44

- 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: 533.361+/-463.831 χ^2/NDF:8.6/5

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

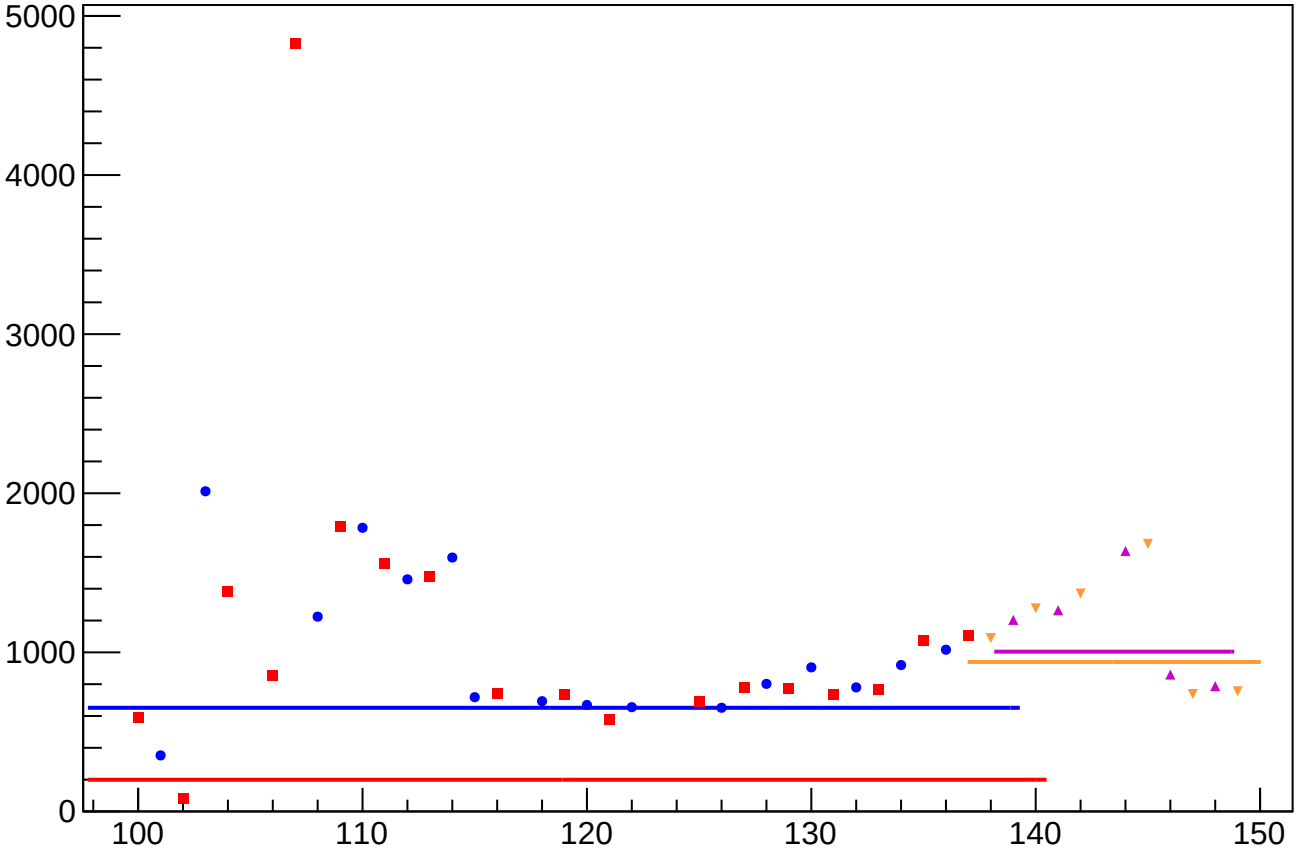
Left In: -196.861+/-500.773 χ^2/NDF:1.2/4

\+ sign -148.066+/-234.766 χ^2/NDF: 29.7/21

All: -100.538+/-115.828 χ^2/NDF: 49.5/44

\- sign -85.247+/-133.164 χ^2/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: 939.504+/-0.328 χ^2/NDF:760022.4/5

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

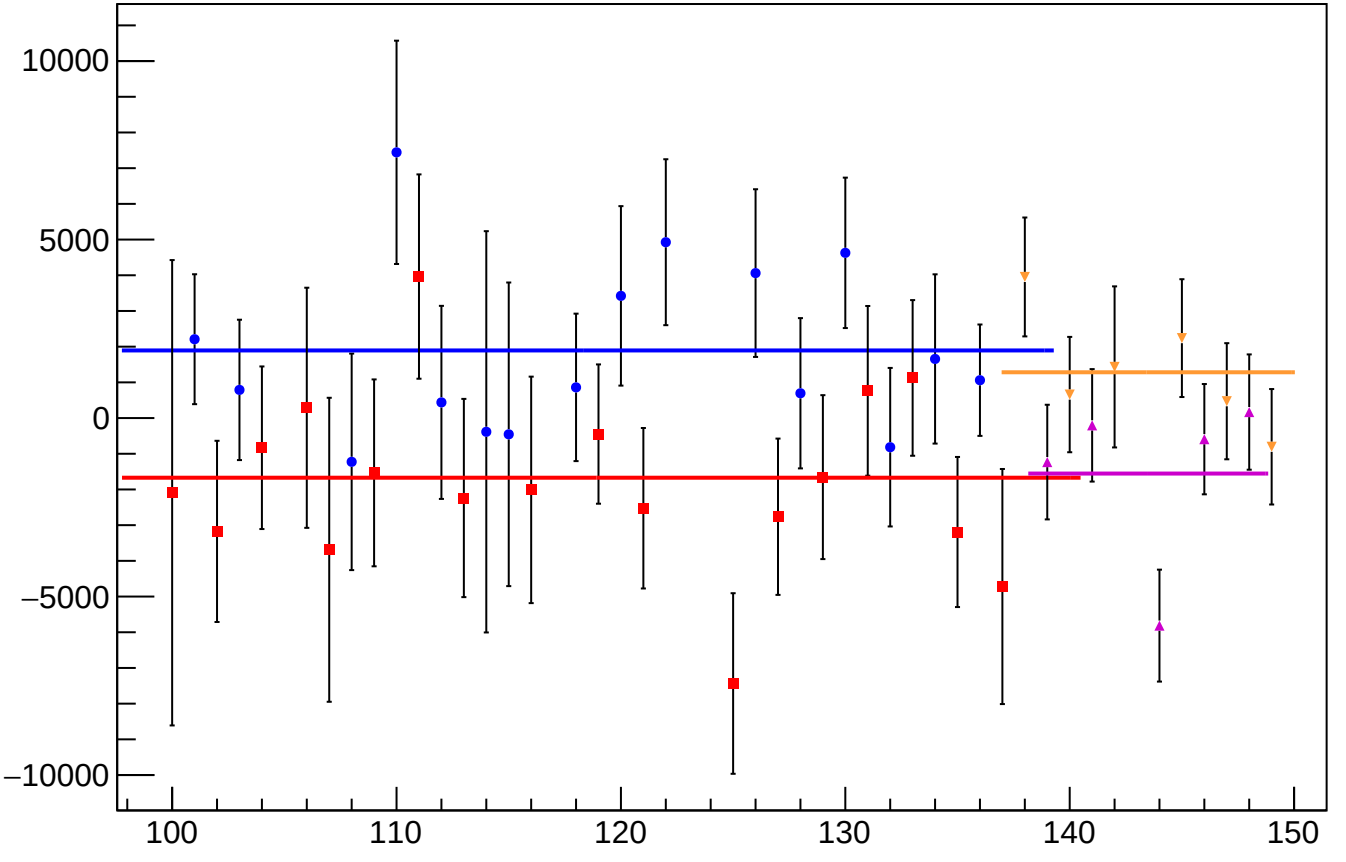
Left In: 1004.440+/-0.354 χ^2/NDF:560400.0/4

+ sign 725.298+/-0.166 χ^2/NDF: 4096170.0/21

All: 370.443+/-0.082 χ^2/NDF: 24784824.3/44

- 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: 1282.737+/-695.412 χ^2/NDF:5.0/5

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

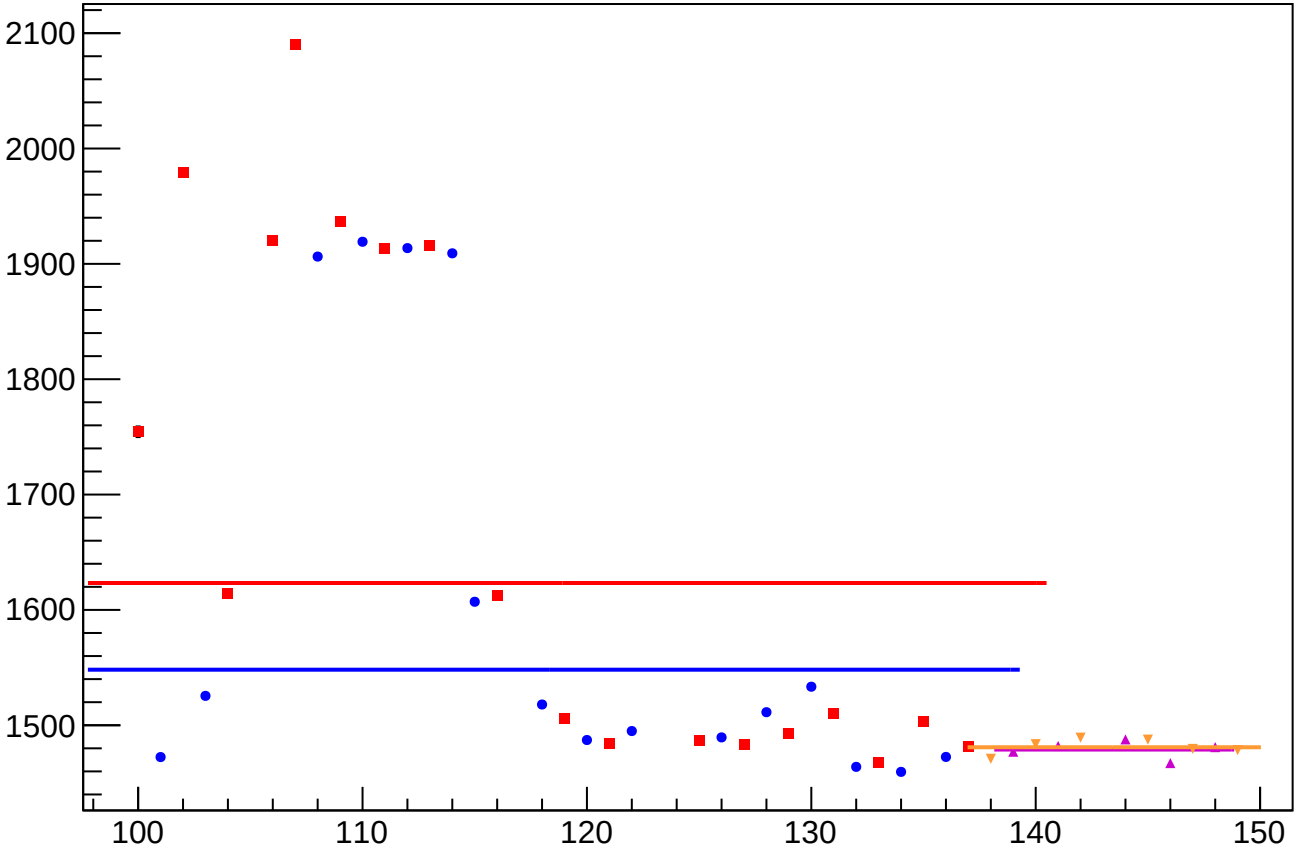
Left In: -1554.425+/-707.086 χ^2/NDF:9.7/4

+ sign 1644.544+/-444.338 χ^2/NDF: 17.7/21

All: 66.636+/-319.462 χ^2/NDF: 68.6/44

- 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: 1480.923+/-0.492 χ^2/NDF:142.9/5

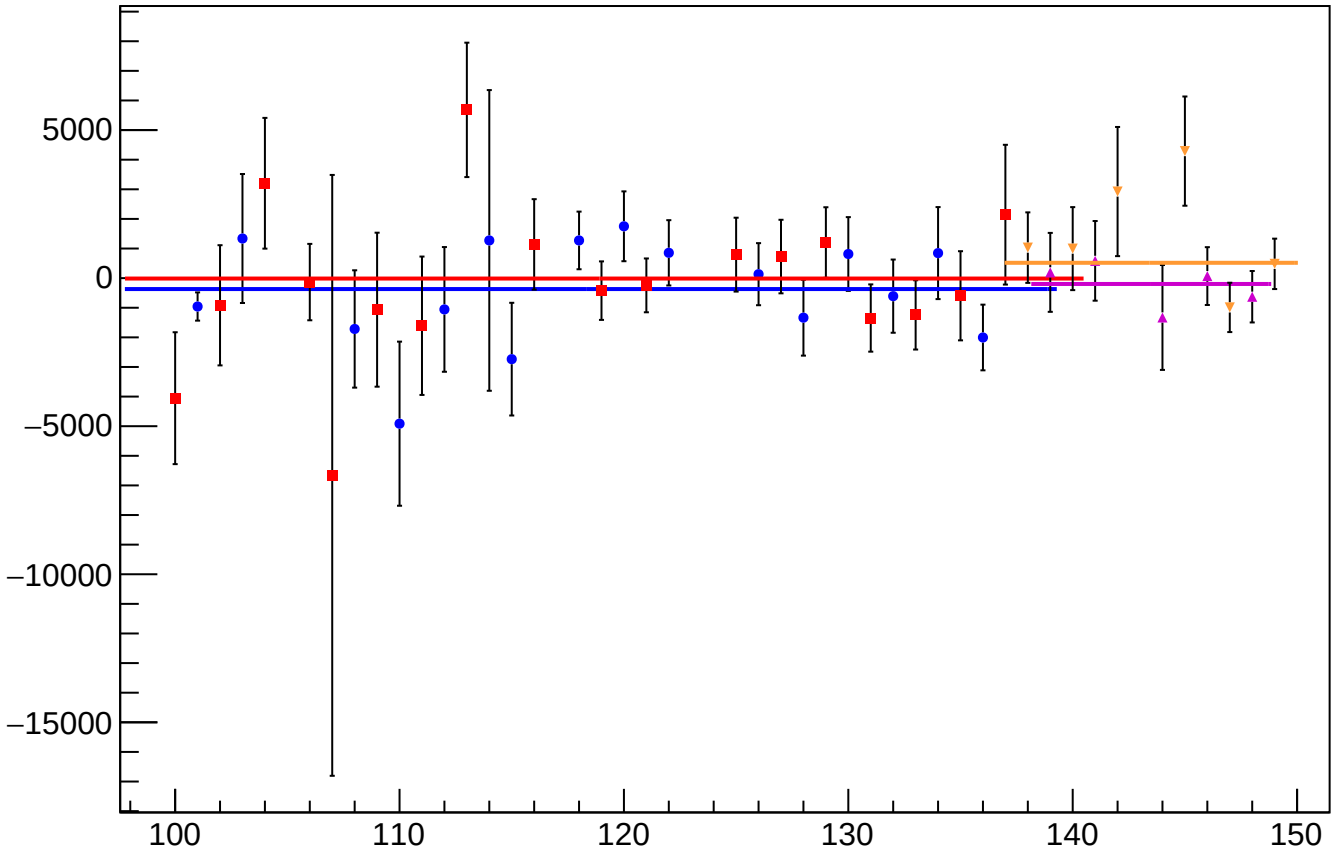
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1478.942+/-0.500 χ^2/NDF:191.9/4

+ sign 1520.718+/-0.314 χ^2/NDF: 131116.3/21

All: 1540.816+/-0.226 χ^2/NDF: 399471.7/44

- sign 1562.322+/-0.325 χ^2/NDF: 259884.9/22



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 518.084+/-469.287 χ^2/NDF:9.0/5

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

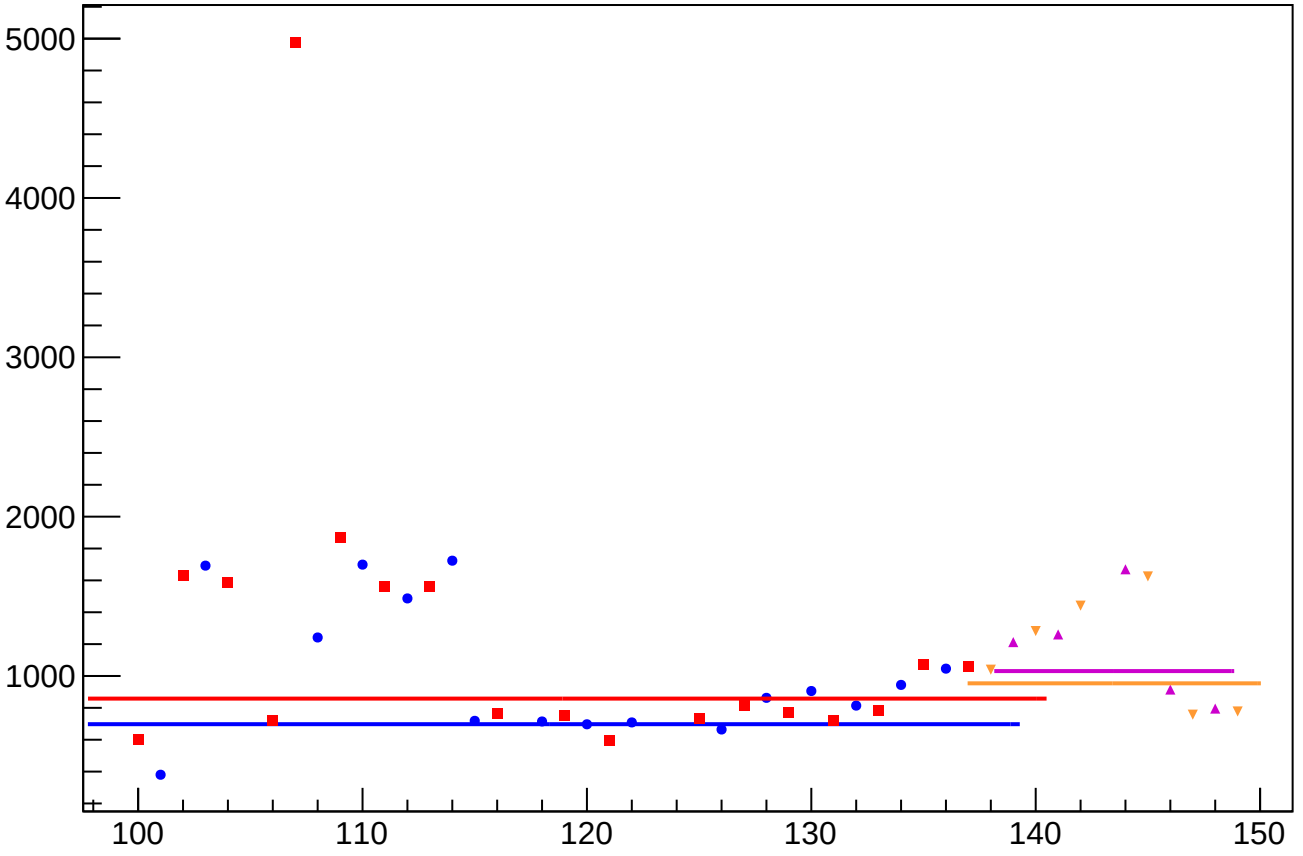
Left In: -196.934+/-512.422 χ^2/NDF:1.2/4

\+ sign -127.837+/-244.579 χ^2/NDF: 30.5/21

All: -103.268+/-185.386 χ^2/NDF: 50.8/44

\- 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: 953.906+/-0.332 χ^2/NDF:682194.9/5

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

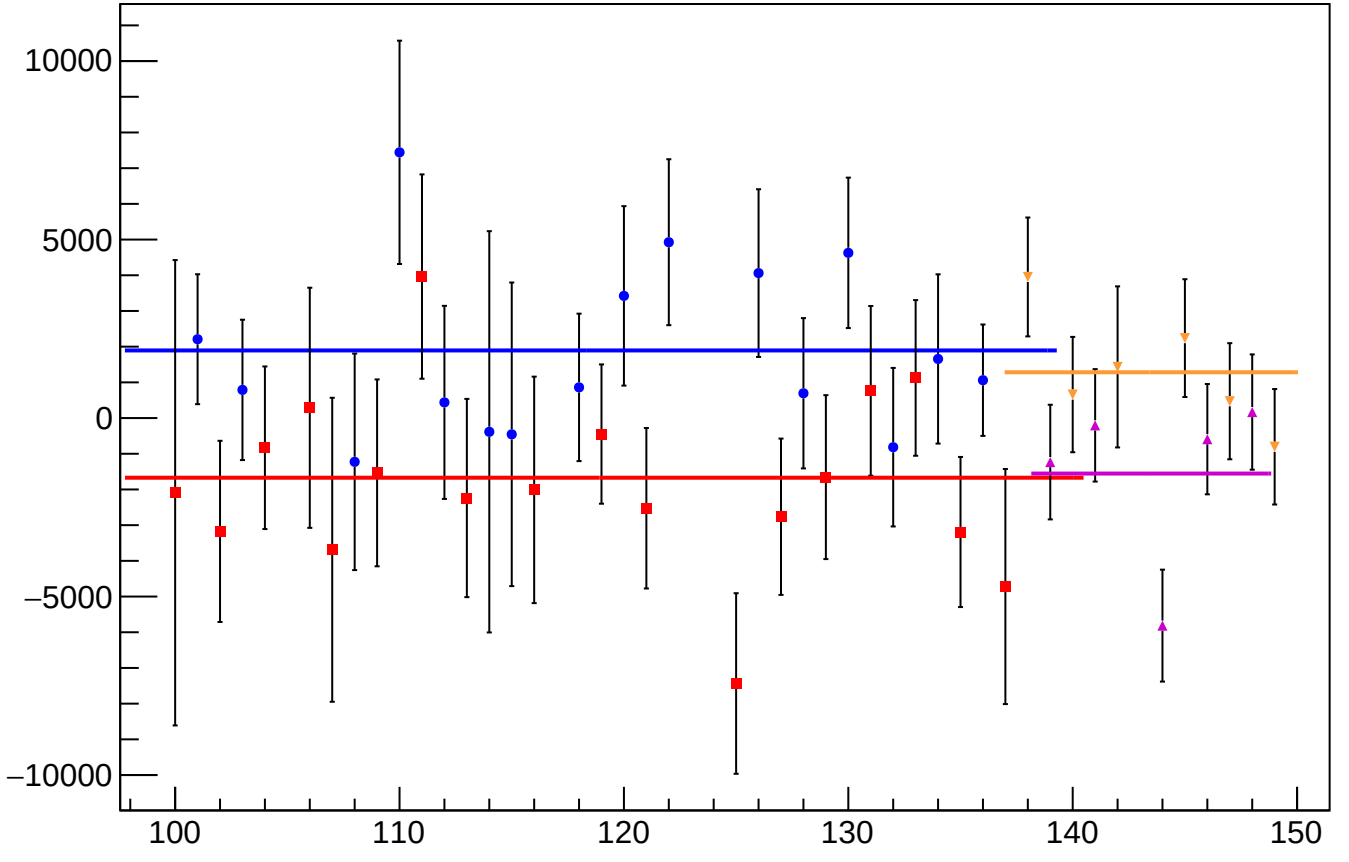
Left In: 1030.776+/-0.362 χ^2/NDF:530806.2/4

+ sign 767.157+/-0.173 χ^2/NDF: 3552619.0/21

All: 828.450+/-0.131 χ^2/NDF: 6418063.4/44

- sign 911.218+/-0.201 χ^2/NDF: 2570223.5/22

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1282.739+/-695.412 χ^2/NDF:5.0/5

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

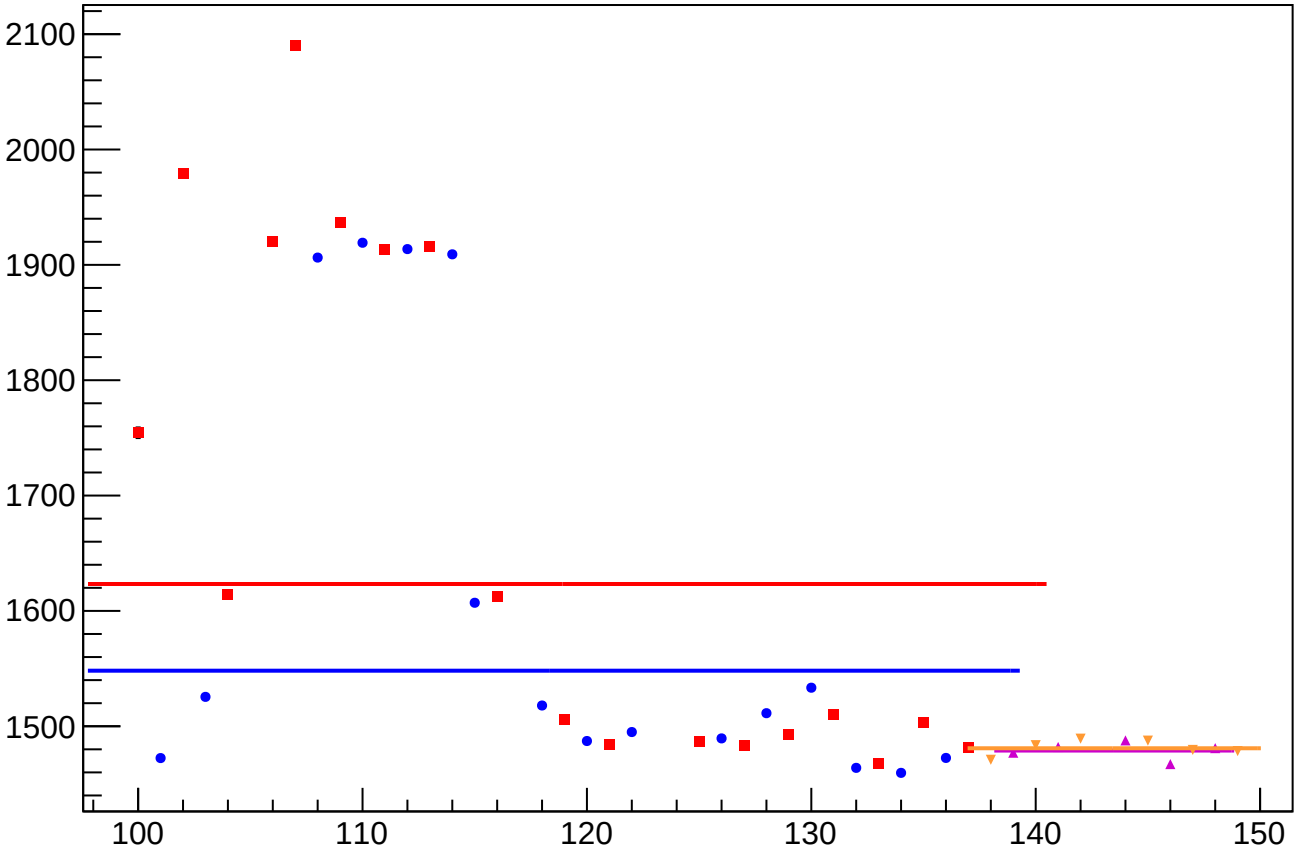
Left In: -1554.425+/-707.086 χ^2/NDF:9.7/4

+ sign 1644.543+/-444.338 χ^2/NDF: 17.7/21

All: 66.636+/-319.462 χ^2/NDF: 68.6/44

- 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: 1480.923+/-0.492 χ^2/NDF:142.9/5

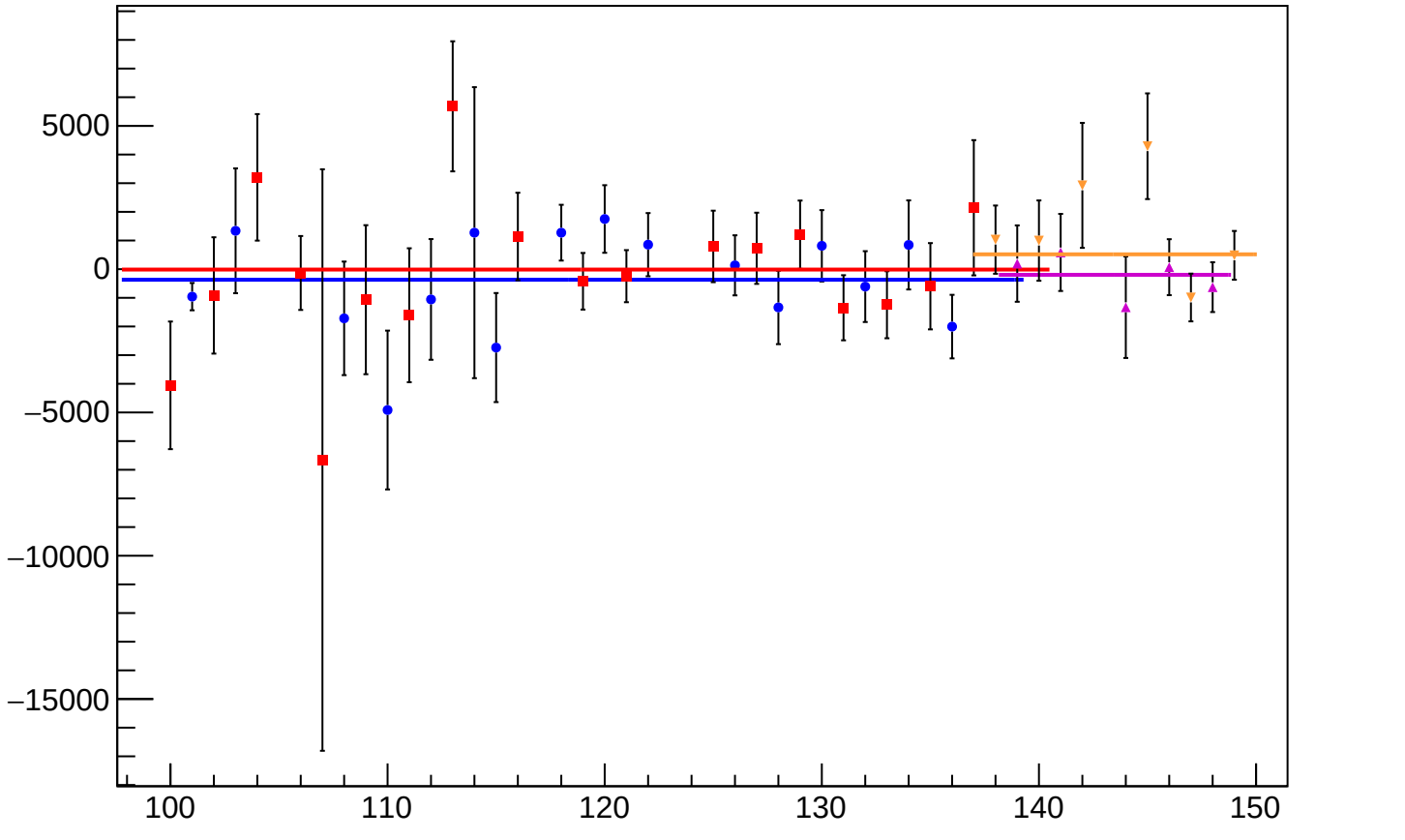
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1478.942+/-0.500 χ^2/NDF:191.9/4

+ sign 1520.717+/-0.314 χ^2/NDF: 131116.3/21

All: 1540.816+/-0.226 χ^2/NDF: 399471.3/44

- 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: 518.083+/-469.288 χ^2/NDF:9.0/5

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

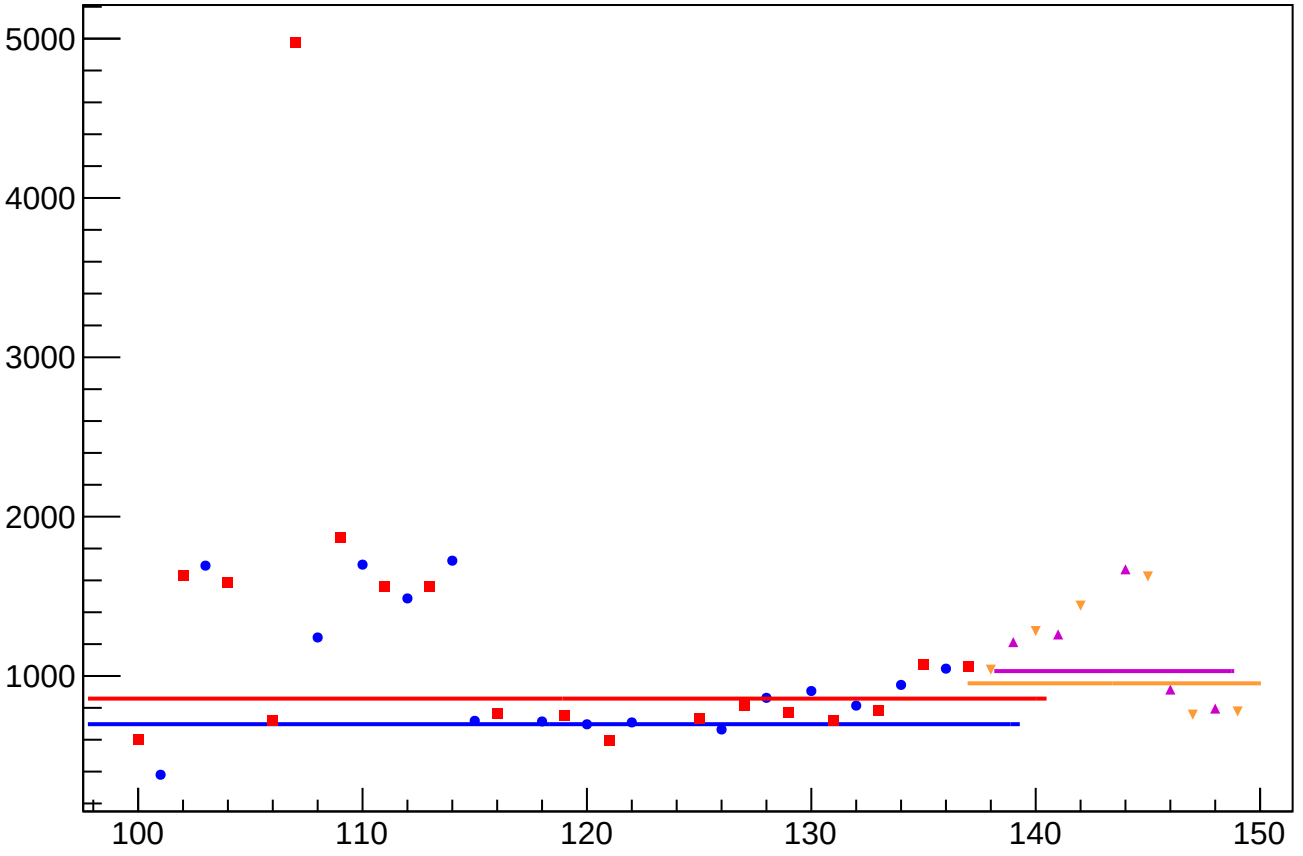
Left In: -196.934+/-512.423 χ^2/NDF:1.2/4

+ sign -127.838+/-244.579 χ^2/NDF: 30.5/21

All: -103.268+/-185.386 χ^2/NDF: 50.8/44

- 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: 953.908+/-0.332 χ^2/NDF:682194.0/5

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

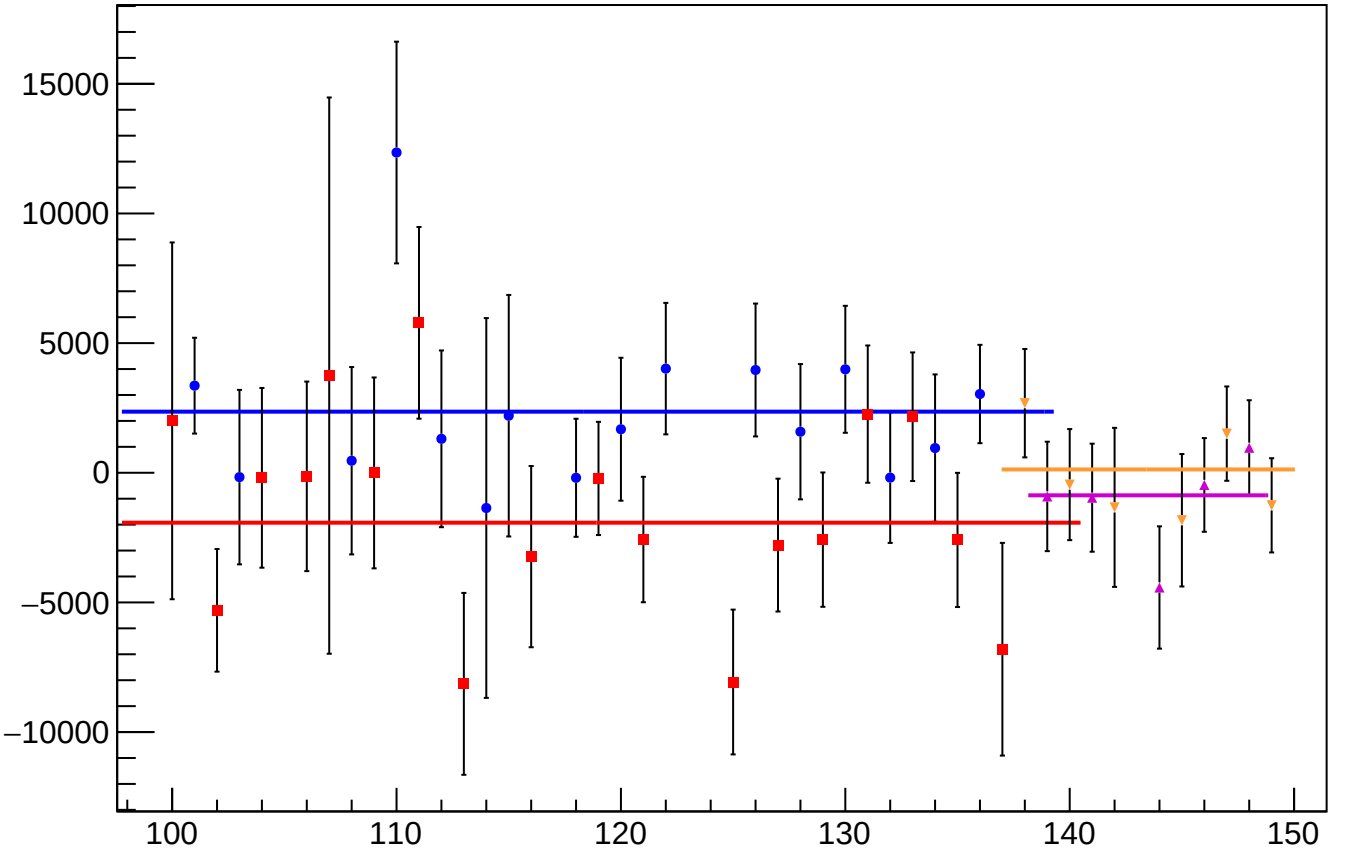
Left In: 1030.778+/-0.362 χ^2/NDF:530805.0/4

+ sign 767.158+/-0.173 χ^2/NDF: 3552615.4/21

All: 828.450+/-0.131 χ^2/NDF: 6418069.8/44

- 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: 128.120+/-873.121 χ^2/NDF:3.5/5

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

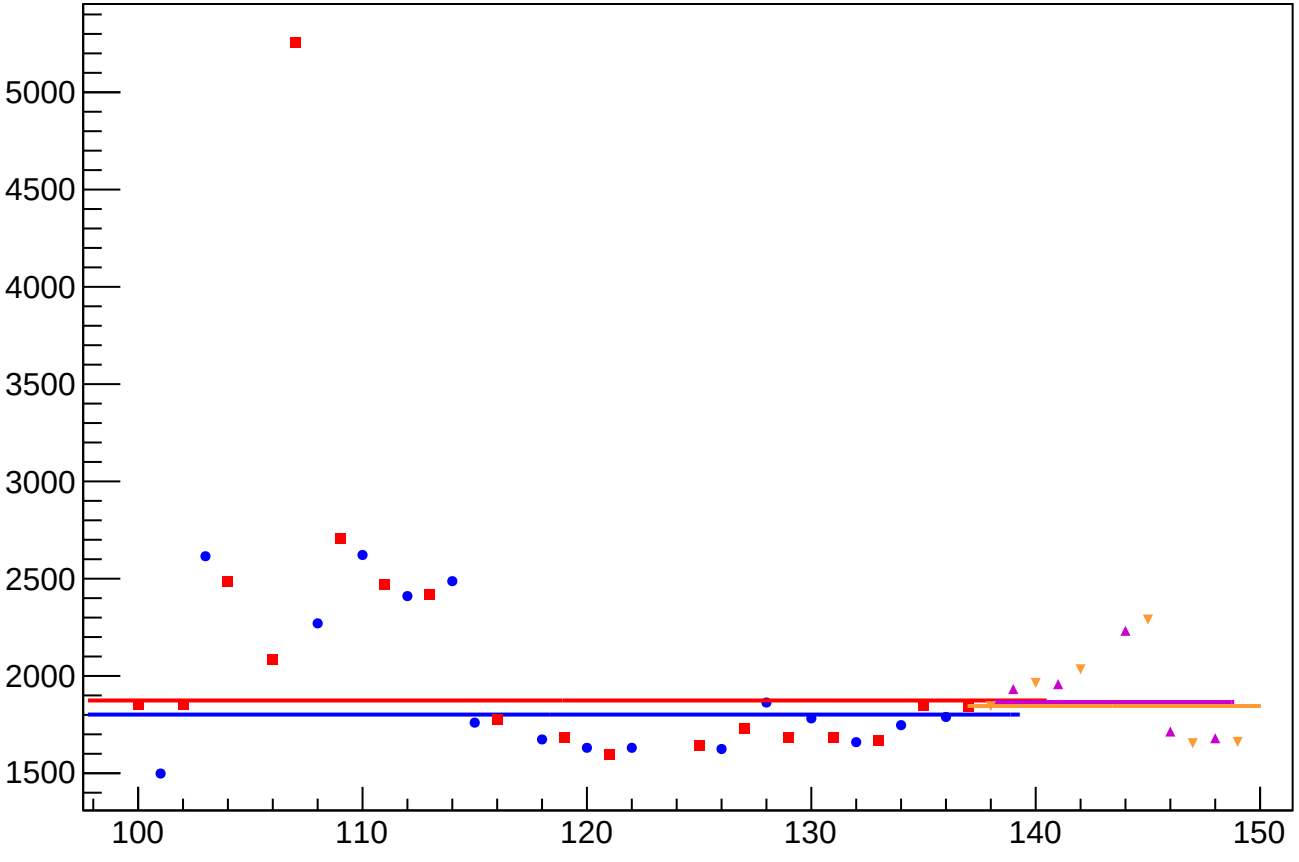
Left In: -869.834+/-898.323 χ^2/NDF:3.3/4

+ sign 1517.114+/-535.970 χ^2/NDF: 18.6/21

All: 52.138+/-385.702 χ^2/NDF: 61.7/44

- 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: 1845.697+/-0.617 χ^2/NDF:116985.5/5

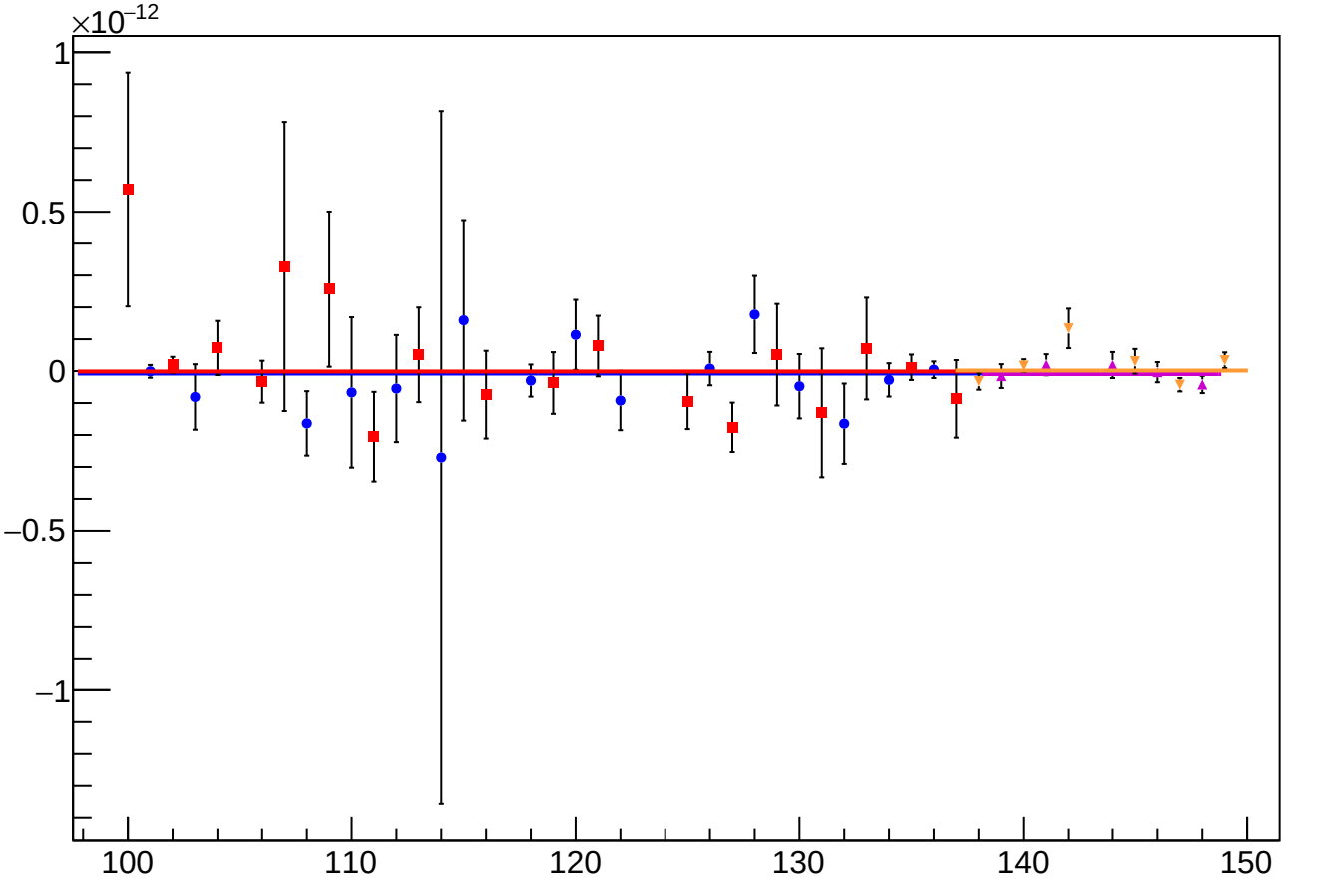
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1866.194+/-0.635 χ^2/NDF:88852.3/4

+ sign 1818.172+/-0.379 χ^2/NDF: 520877.5/21

All: 1843.642+/-0.273 χ^2/NDF: 1189099.5/44

- 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:13.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

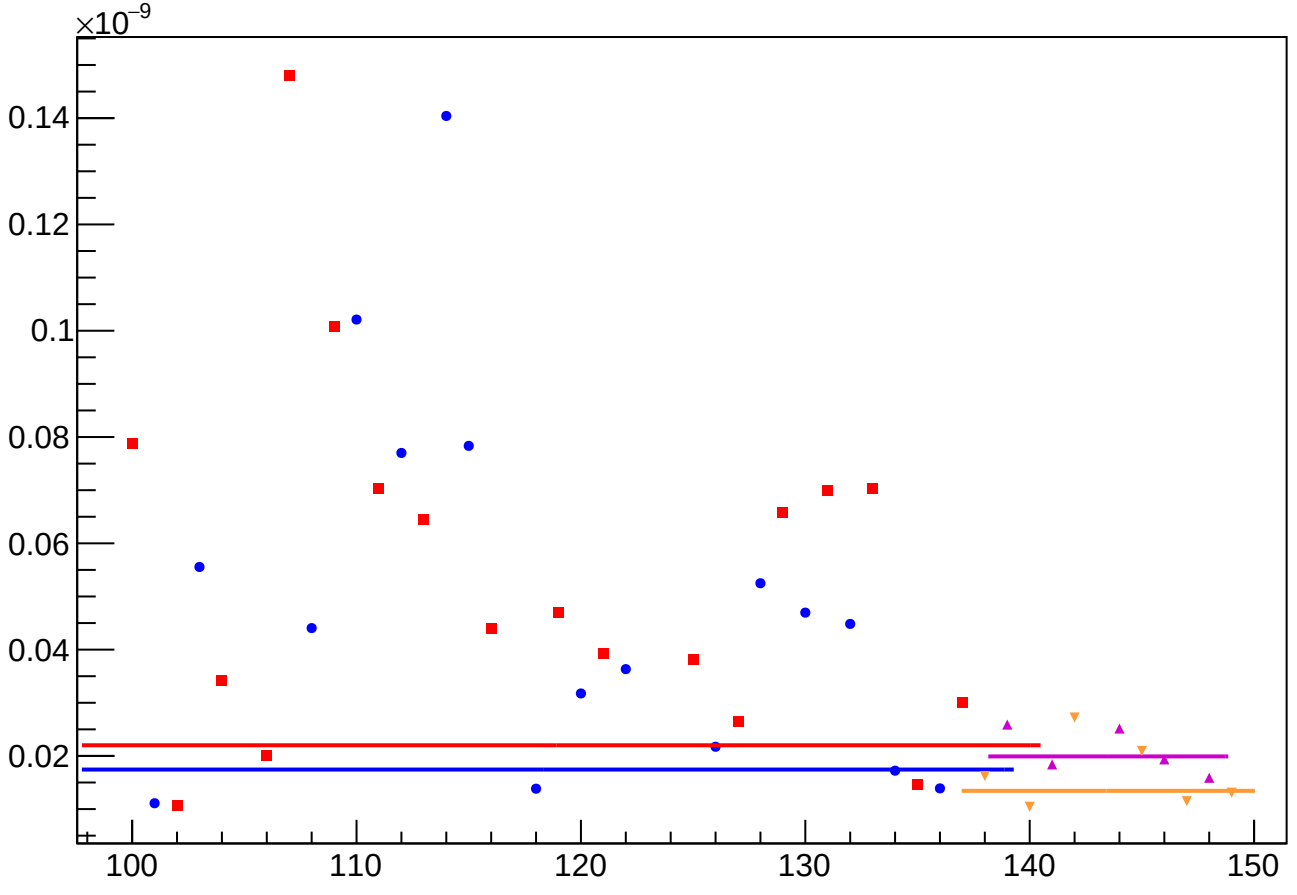
Left In: -0.000+/-0.000 χ^2/NDF:2.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/21

All: -0.000+/-0.000 χ^2/NDF: 43.6/44

- sign -0.000+/-0.000 χ^2/NDF: 19.6/22

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:258989.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

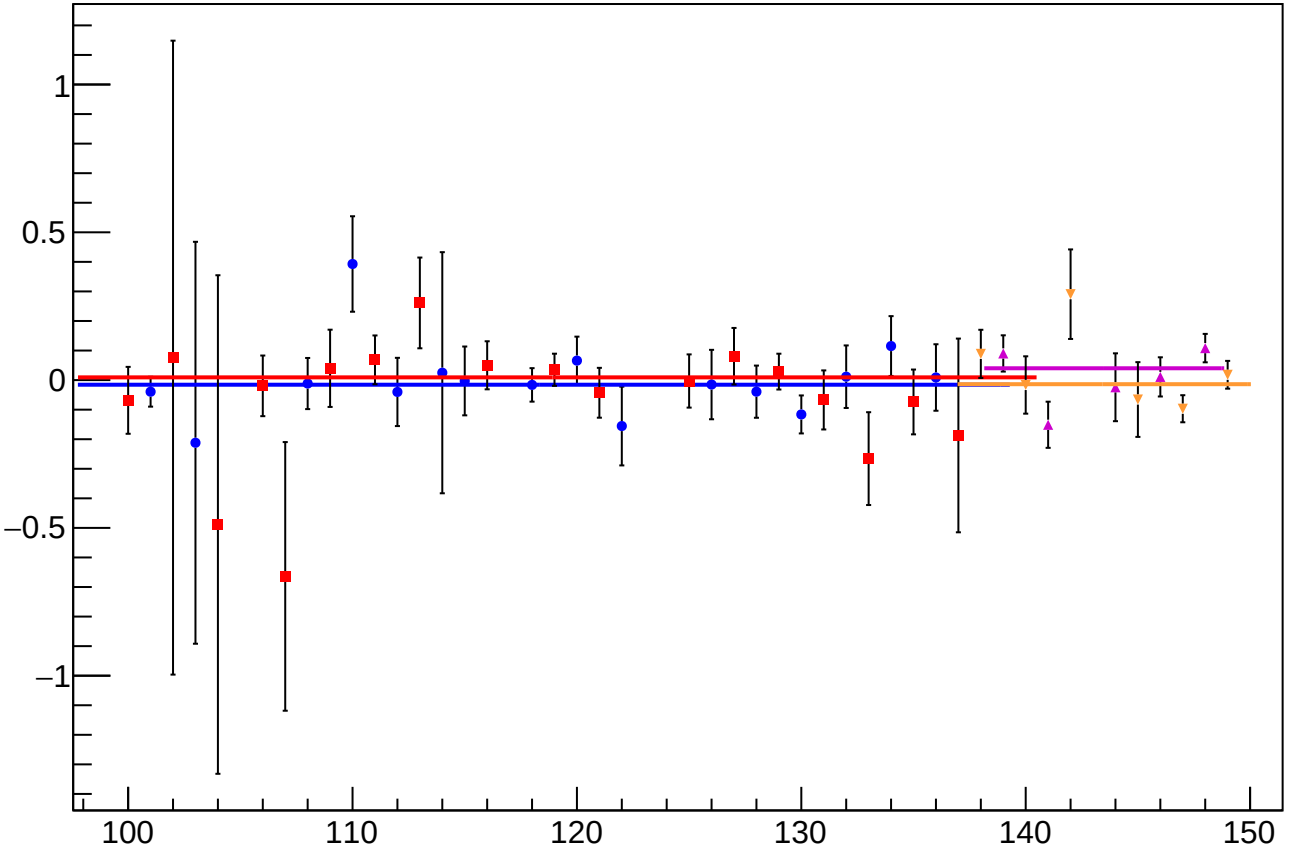
Left In: 0.000+/-0.000 χ^2/NDF:133994.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 2210834.1/21

All: 0.000+/-0.000 χ^2/NDF: 4804776.6/44

- sign 0.000+/-0.000 χ^2/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: -0.014+/-0.028 χ^2/NDF:9.5/5

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

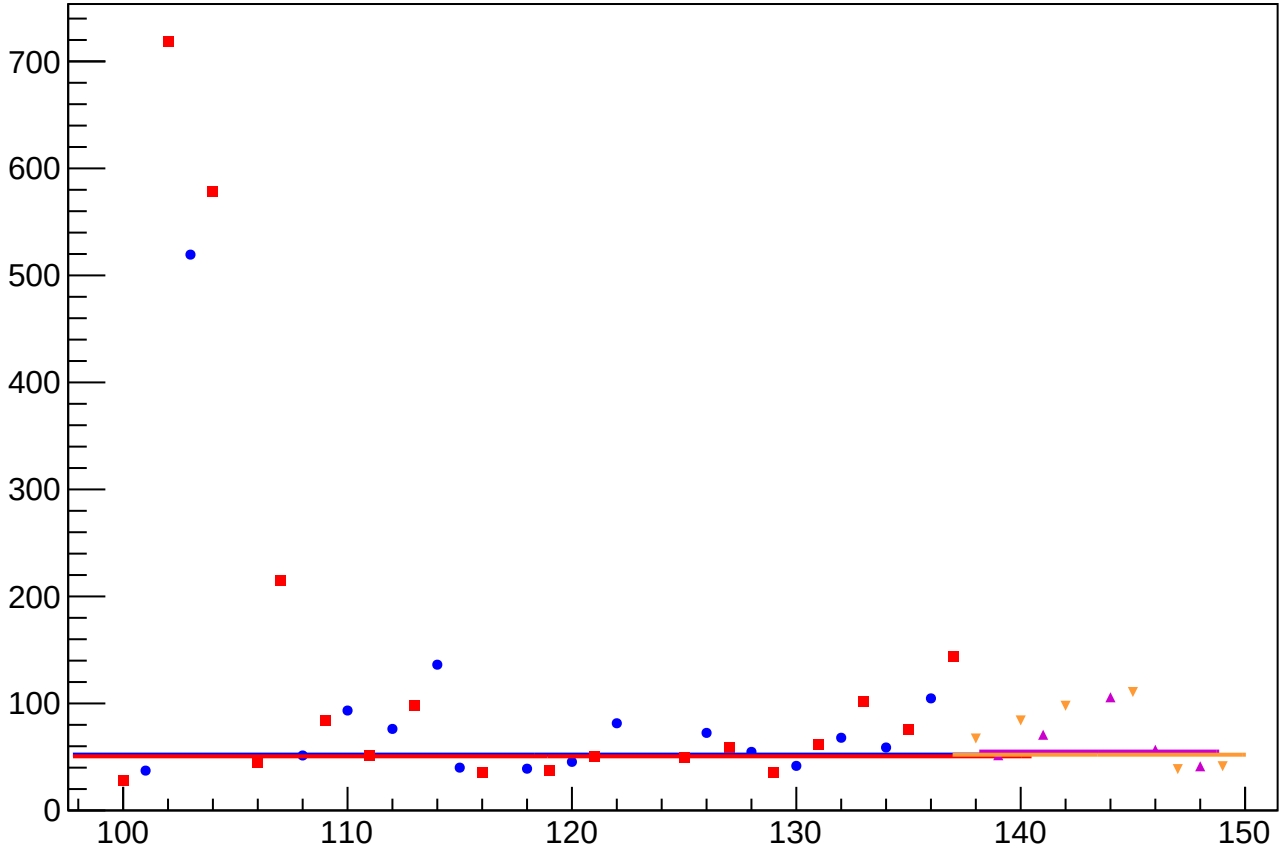
Left In: 0.040+/-0.029 χ^2/NDF:9.2/4

+ sign -0.015+/-0.018 χ^2/NDF: 22.7/21

All: 0.002+/-0.013 χ^2/NDF: 47.1/44

- 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: 52.112+/-0.020 χ^2/NDF:1176771.7/5

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

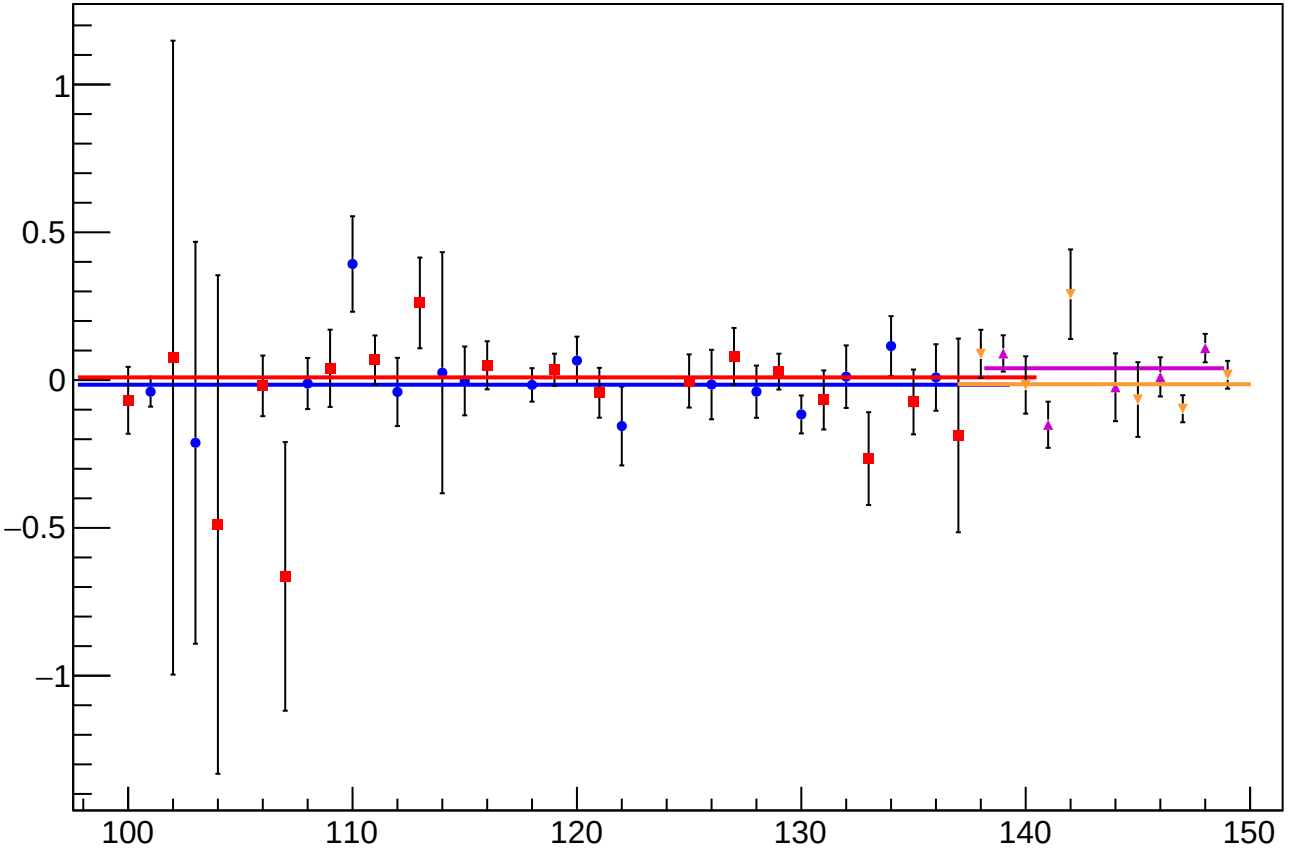
Left In: 55.011+/-0.021 χ^2/NDF:643048.5/4

+ sign 52.159+/-0.012 χ^2/NDF: 3443709.3/21

All: 52.239+/-0.009 χ^2/NDF: 7165957.9/44

- sign 52.325+/-0.013 χ^2/NDF: 3722163.3/22

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.014+/-0.028 χ^2/NDF:9.5/5

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

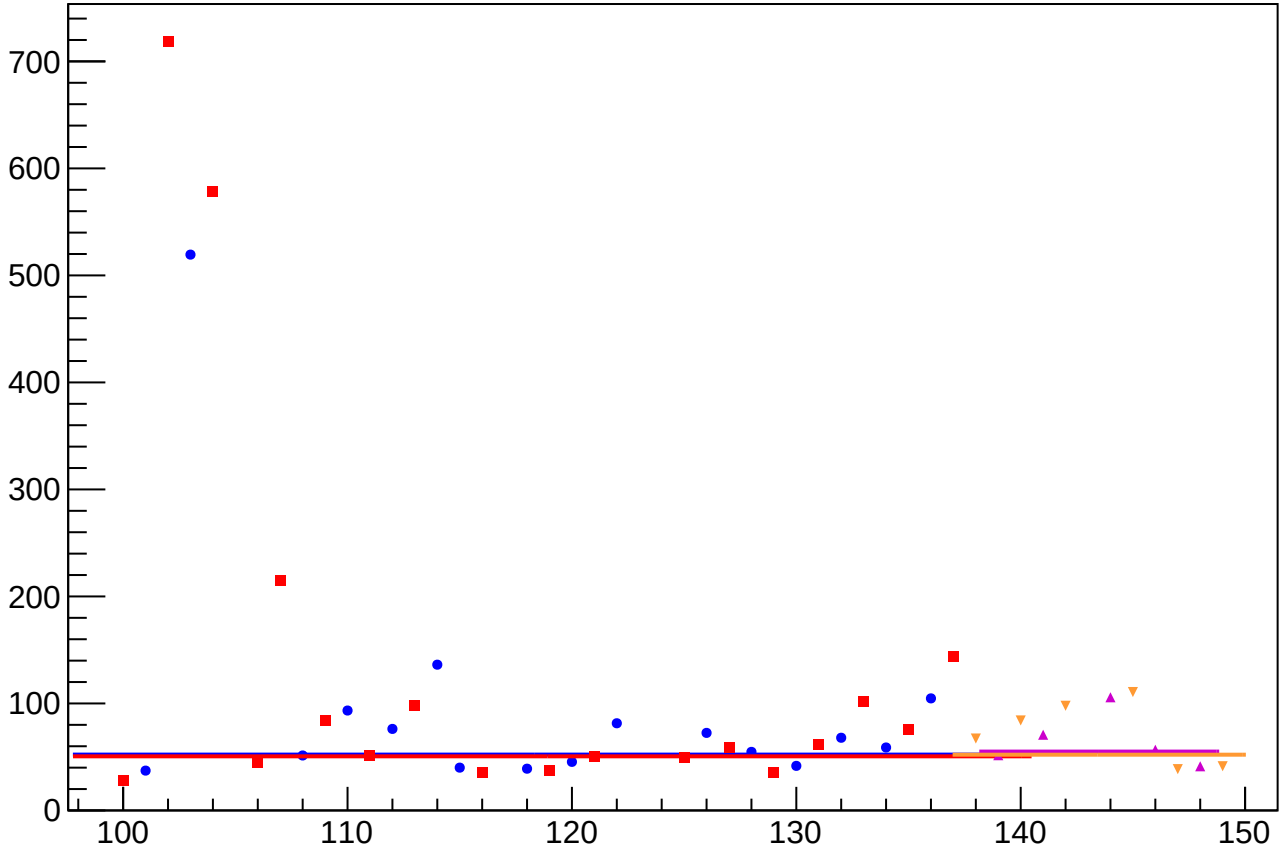
Left In: 0.040+/-0.029 χ^2/NDF:9.2/4

+ sign -0.015+/-0.018 χ^2/NDF: 22.7/21

All: 0.002+/-0.013 χ^2/NDF: 47.1/44

- 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: 52.112+/-0.020 χ^2/NDF:1176771.7/5

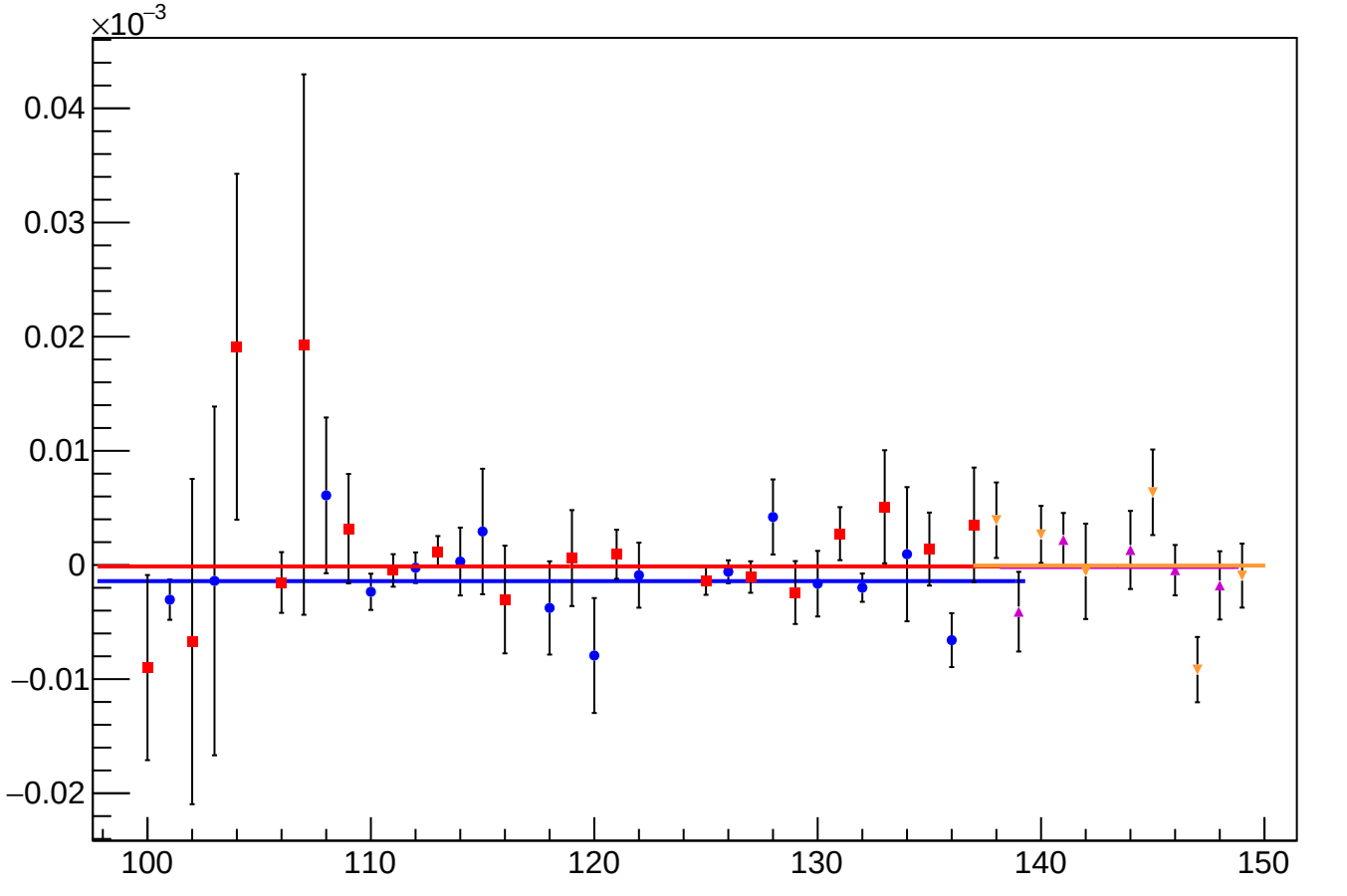
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 55.011+/-0.021 χ^2/NDF:643048.5/4

+ sign 52.159+/-0.012 χ^2/NDF: 3443709.3/21

All: 52.239+/-0.009 χ^2/NDF: 7165957.9/44

- 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:15.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

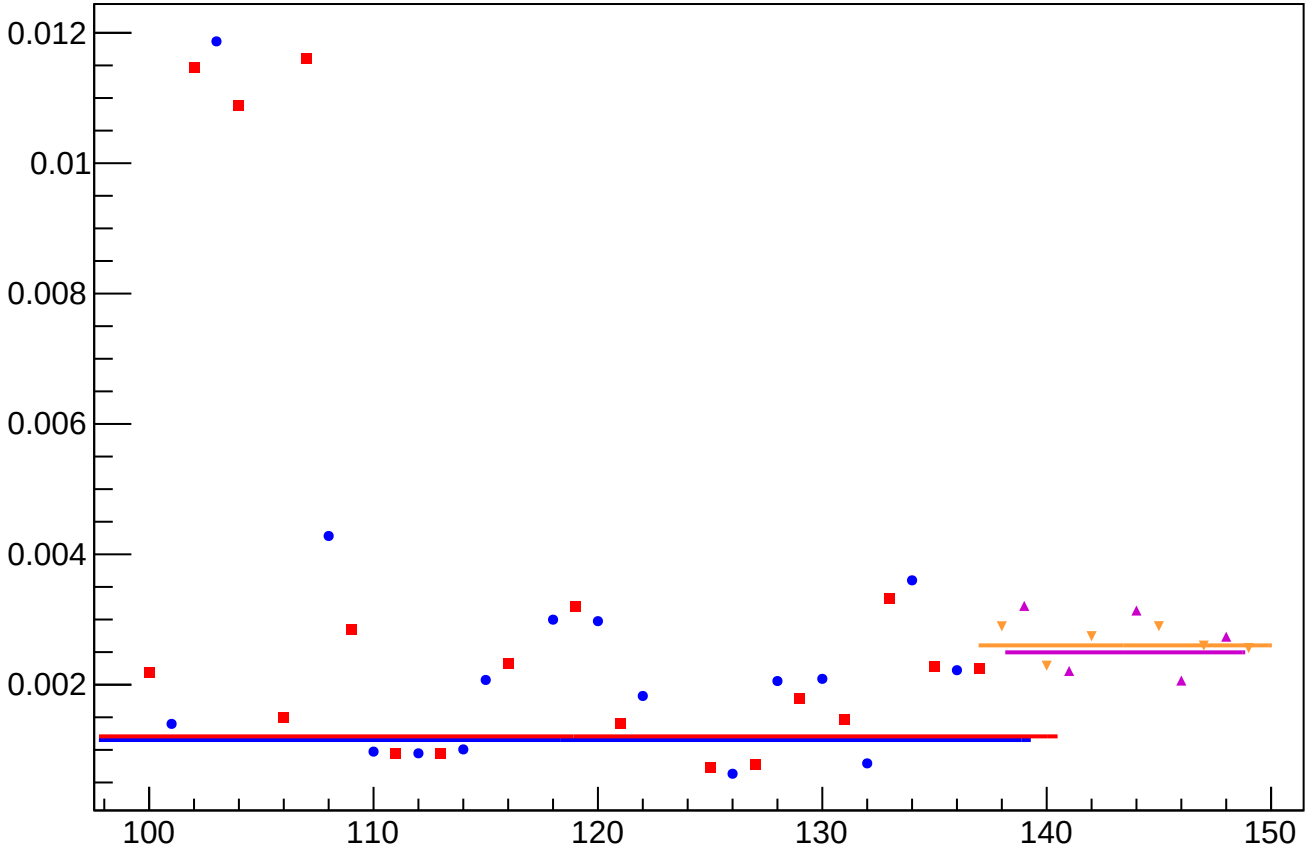
Left In: -0.000+/-0.000 χ^2/NDF:2.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 31.8/21

All: -0.000+/-0.000 χ^2/NDF: 48.6/44

- sign -0.000+/-0.000 χ^2/NDF: 14.4/22

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:61660.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

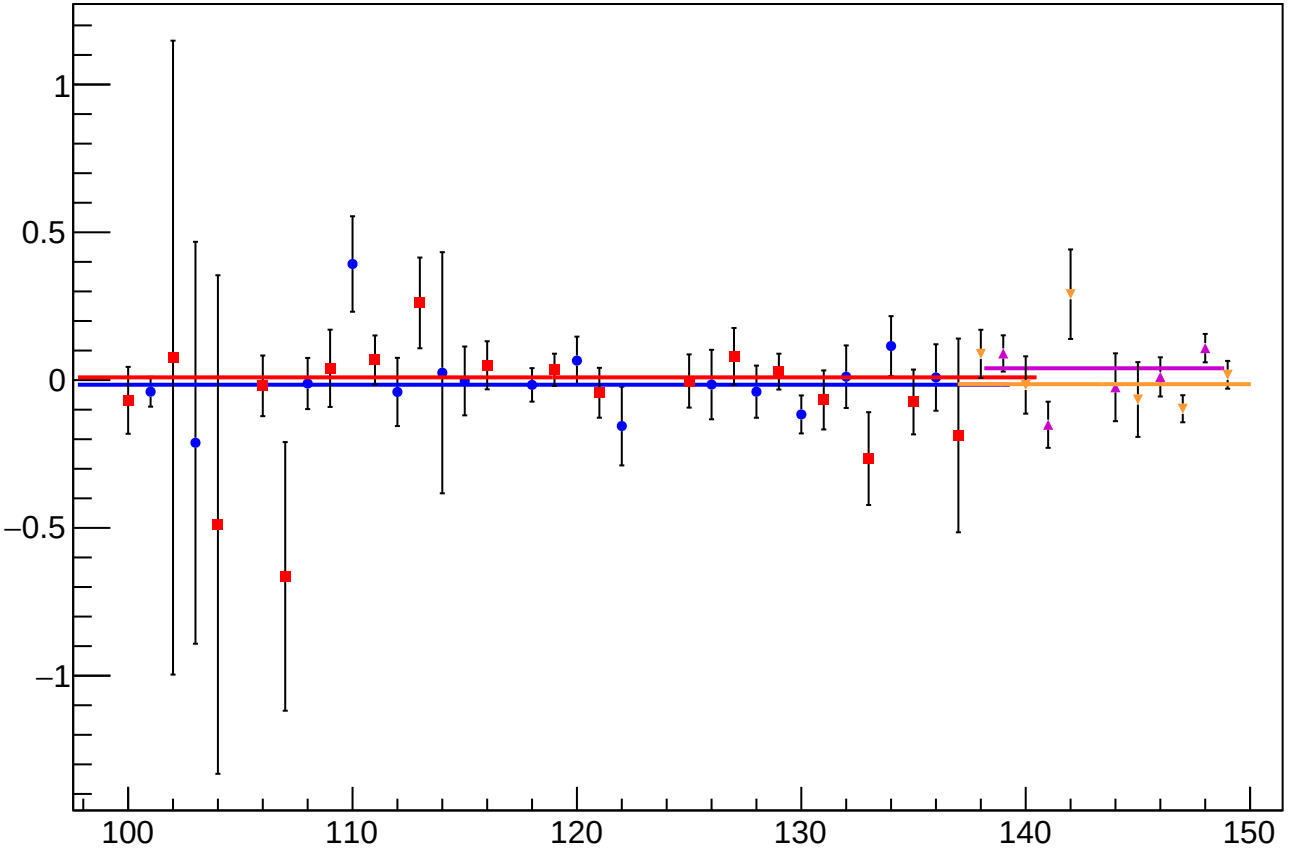
Left In: 0.002+/-0.000 χ^2/NDF:272812.5/4

+ sign 0.001+/-0.000 χ^2/NDF: 6519565.5/21

All: 0.001+/-0.000 χ^2/NDF: 13163455.1/44

- 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: -0.014+/-0.028 χ^2/NDF:9.5/5

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

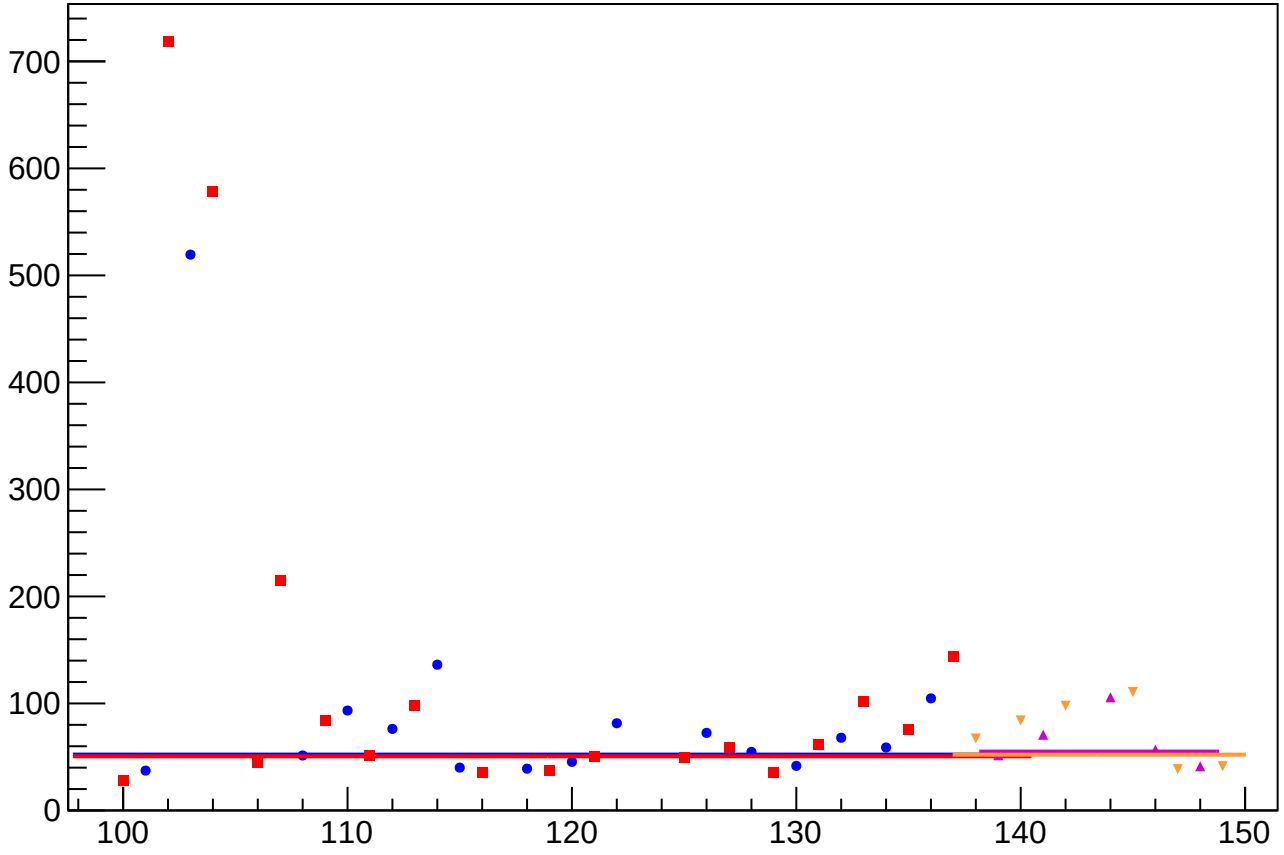
Left In: 0.040+/-0.029 χ^2/NDF:9.2/4

+ sign -0.015+/-0.018 χ^2/NDF: 22.7/21

All: 0.002+/-0.013 χ^2/NDF: 47.1/44

- 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: 52.113+/-0.020 χ^2/NDF:1176732.3/5

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

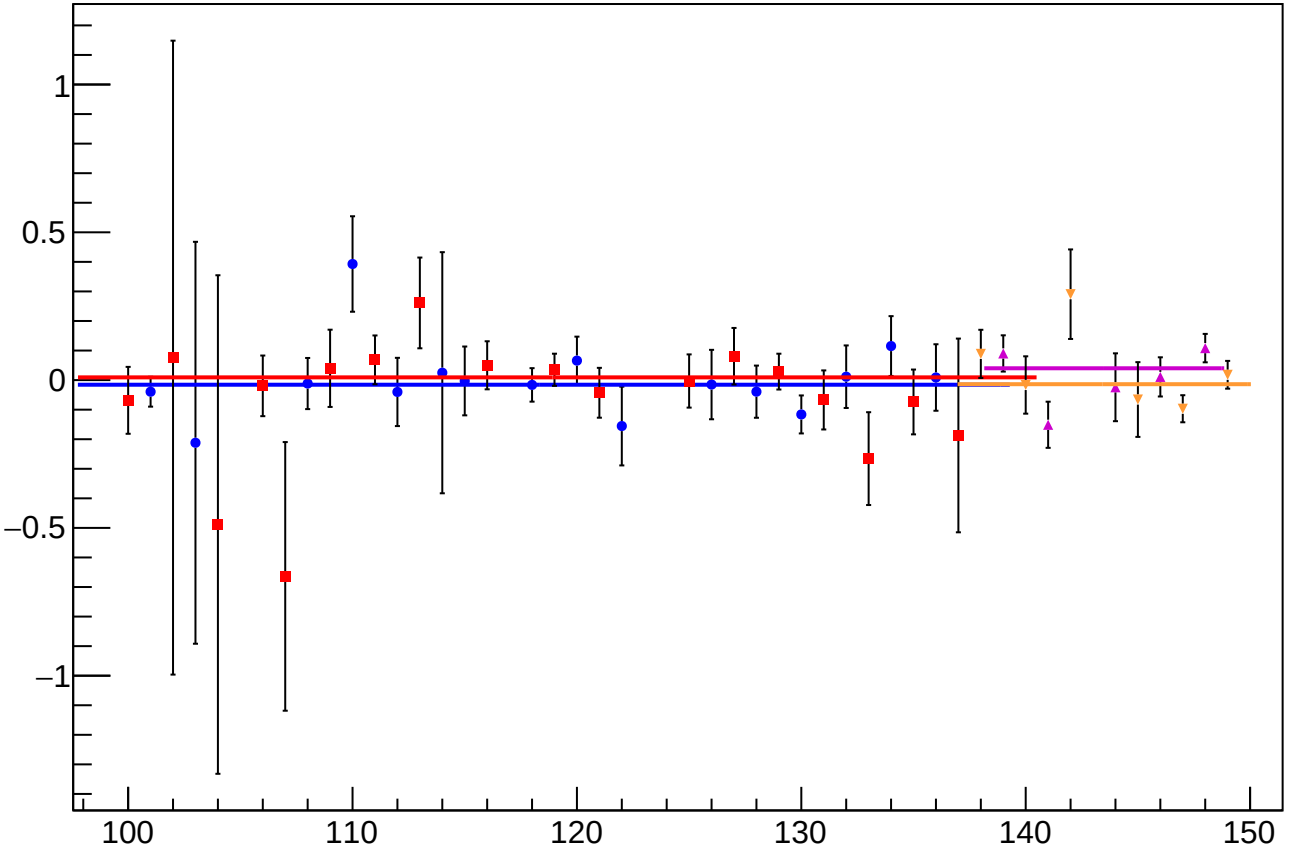
Left In: 55.011+/-0.021 χ^2/NDF:643037.8/4

+ sign 52.160+/-0.012 χ^2/NDF: 3443663.7/21

All: 52.239+/-0.009 χ^2/NDF: 7165891.9/44

- sign 52.325+/-0.013 χ^2/NDF: 3722143.1/22

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.014+/-0.028 χ^2/NDF:9.5/5

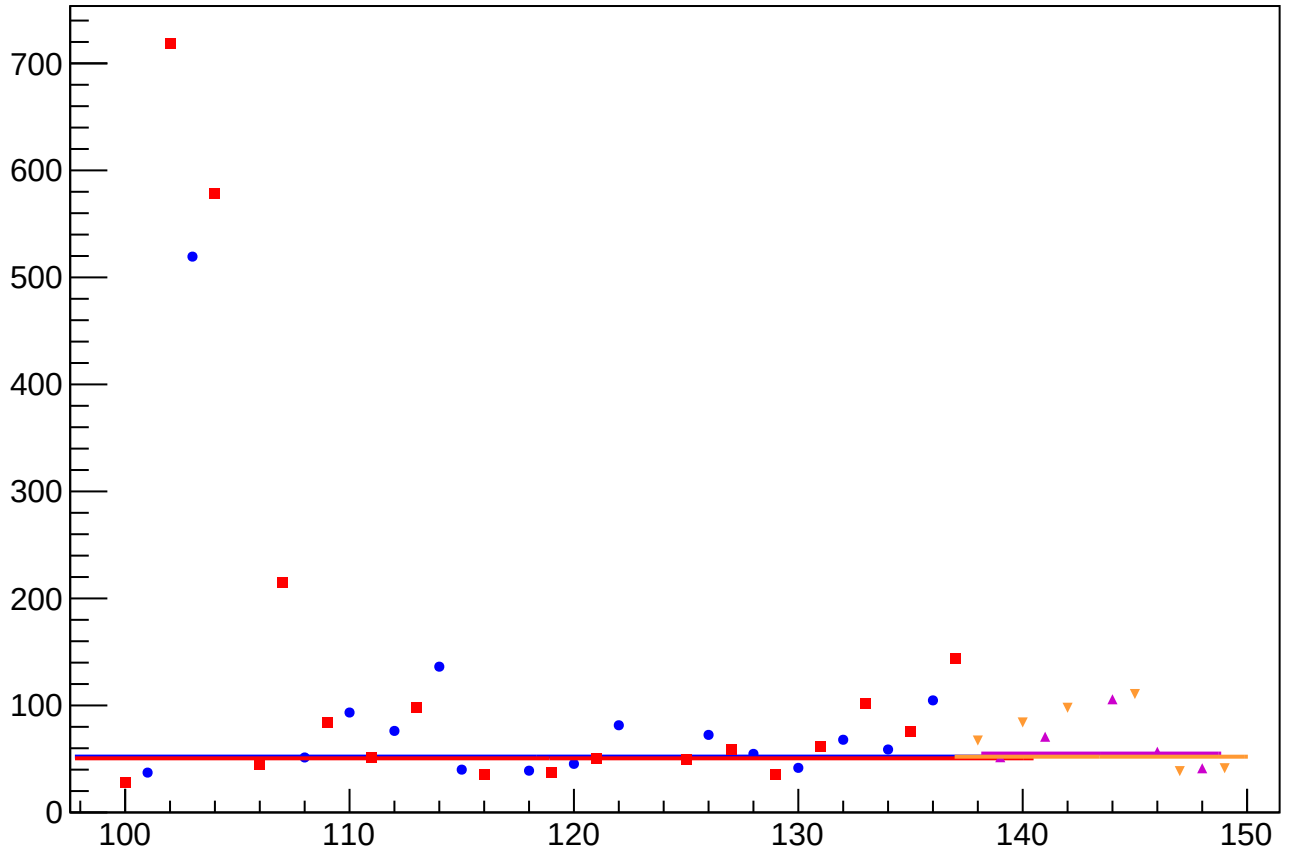
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.040+/-0.029 χ^2/NDF:9.2/4

+ sign -0.015+/-0.018 χ^2/NDF: 22.7/21

All: 0.002+/-0.013 χ^2/NDF: 47.1/44

- 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: 52.113+/-0.020 χ^2/NDF:1176732.3/5

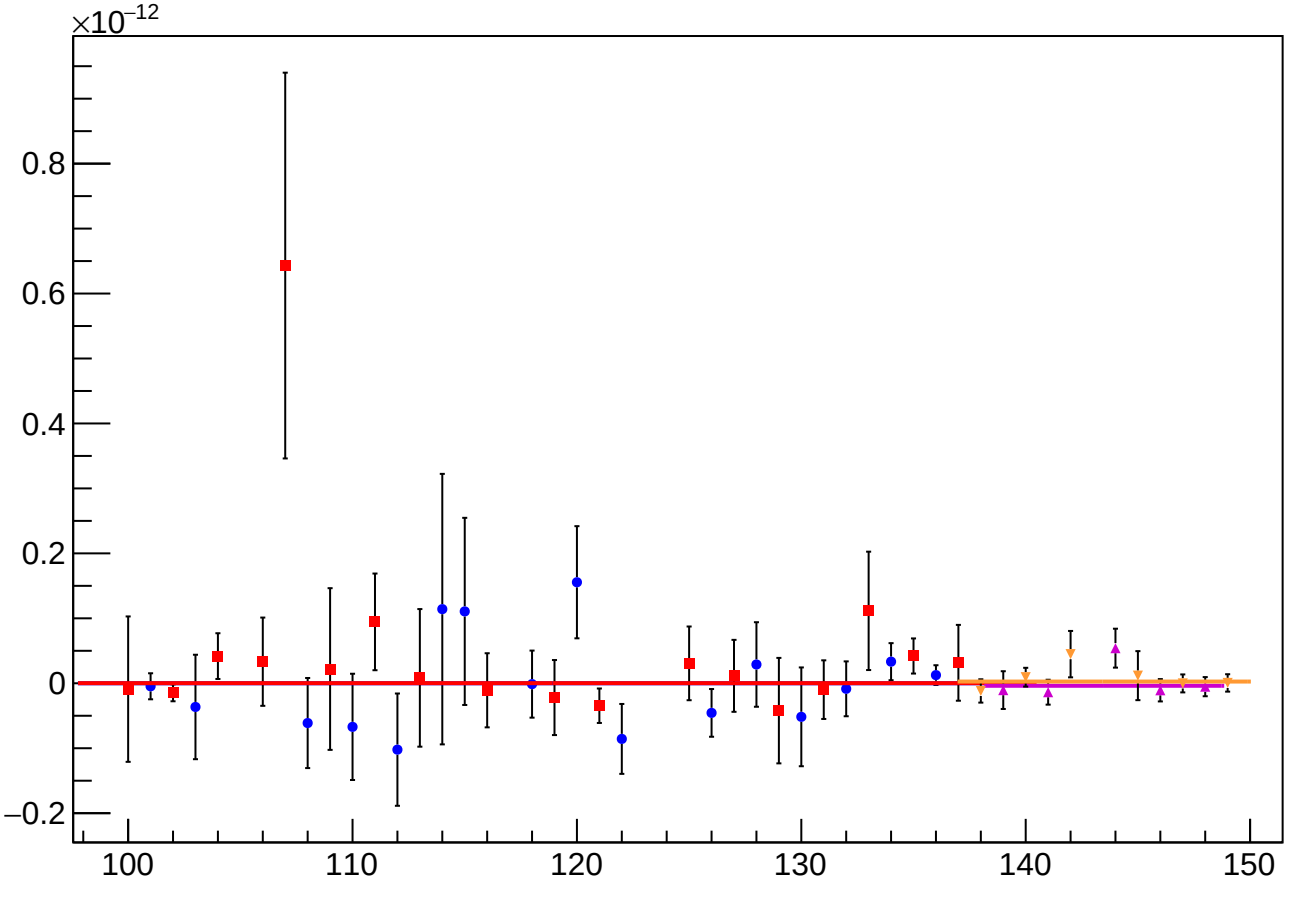
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 55.011+/-0.021 χ^2/NDF:643037.8/4

+ sign 52.160+/-0.012 χ^2/NDF: 3443663.7/21

All: 52.239+/-0.009 χ^2/NDF: 7165891.9/44

- 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:2.4/5

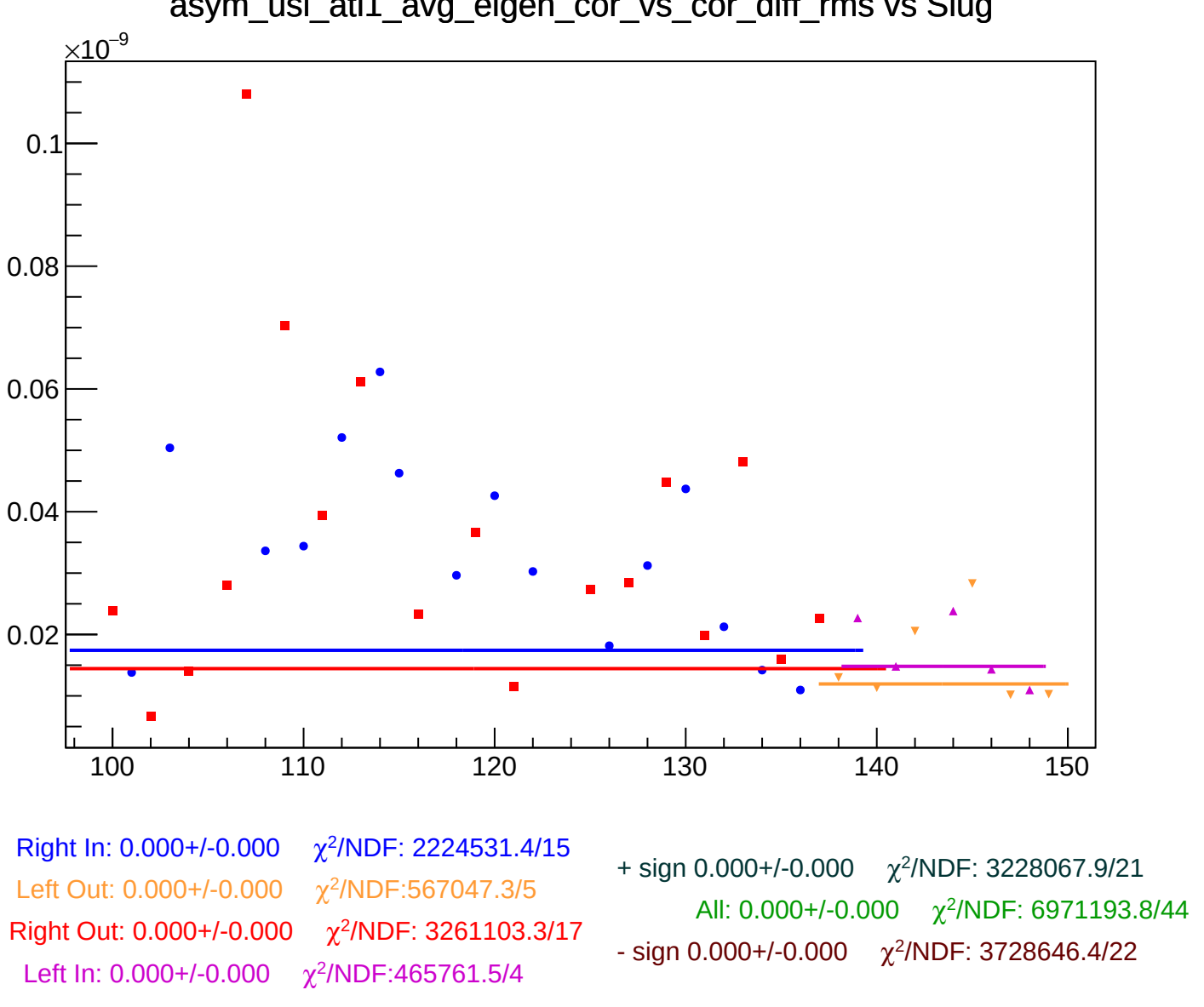
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:4.2/4

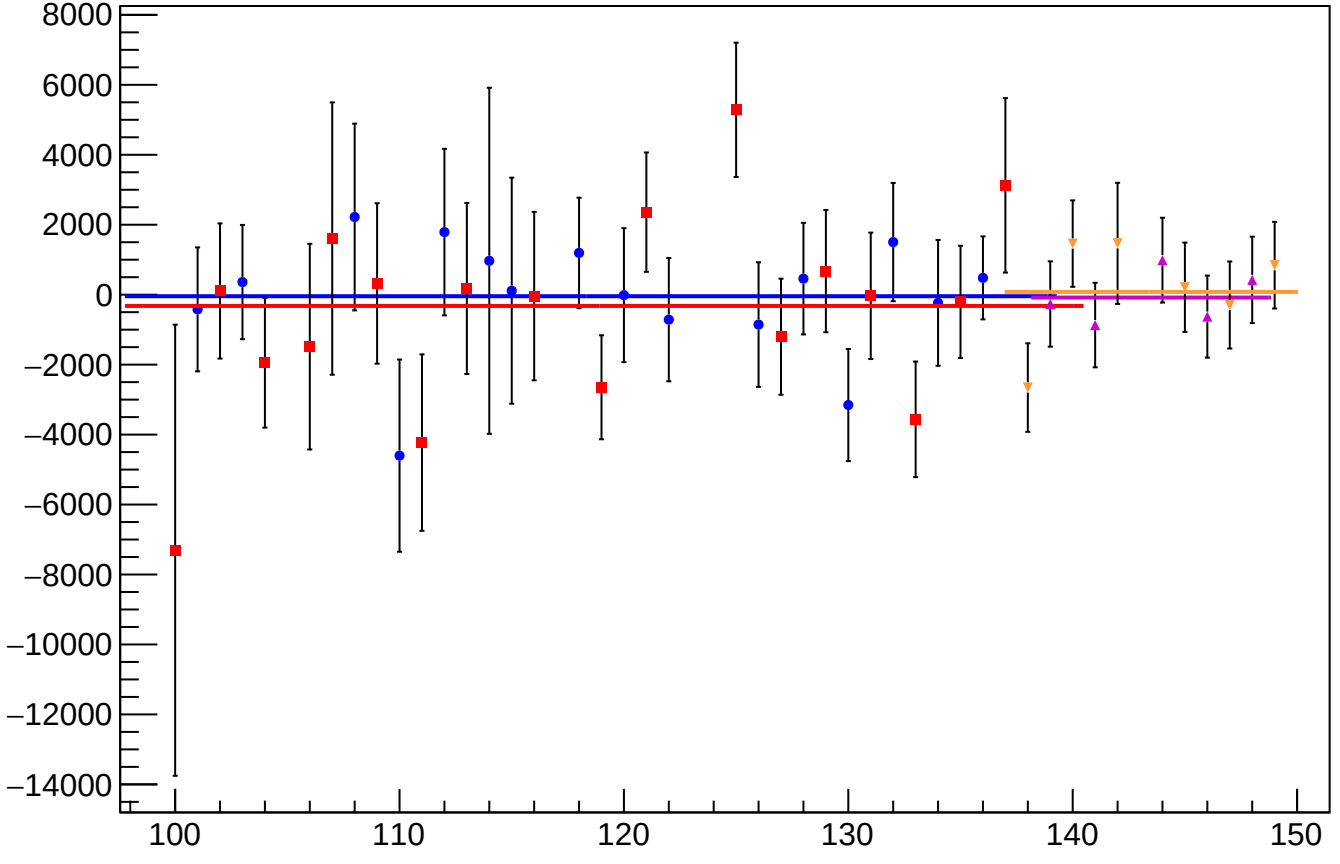
+ sign 0.000+/-0.000 χ^2/NDF: 16.5/21

All: 0.000+/-0.000 χ^2/NDF: 37.0/44

- 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:567047.3/5
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: 3228067.9/21
All: 0.000+/-0.000 χ²/NDF: 6971193.8/44
- 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: 79.454+/-532.636 χ^2/NDF:7.0/5

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

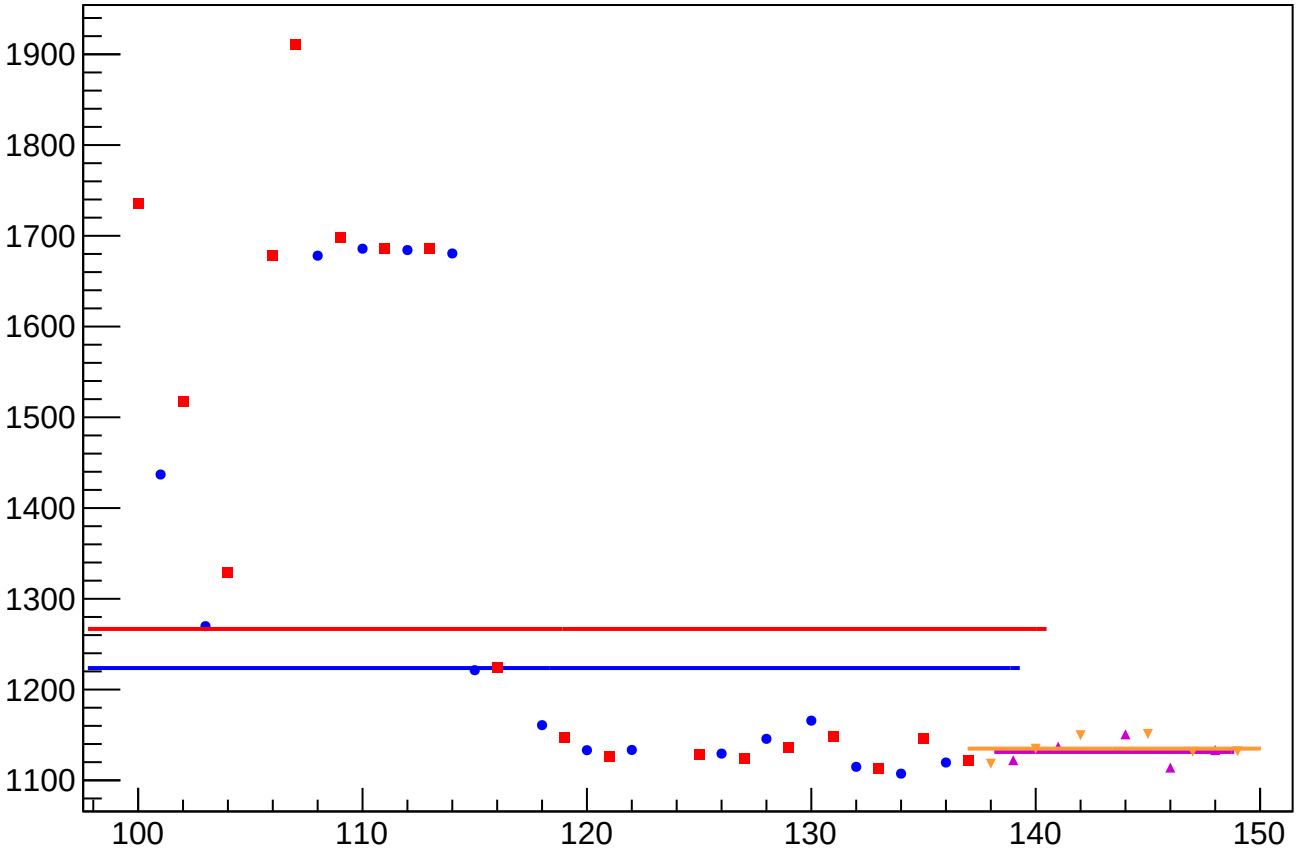
Left In: -82.184+/-540.860 χ^2/NDF:1.6/4

+ sign 8.822+/-347.802 χ^2/NDF: 17.2/21

All: -101.267+/-249.079 χ^2/NDF: 43.9/44

- 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: 1134.935+/-0.377 χ^2/NDF:837.1/5

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

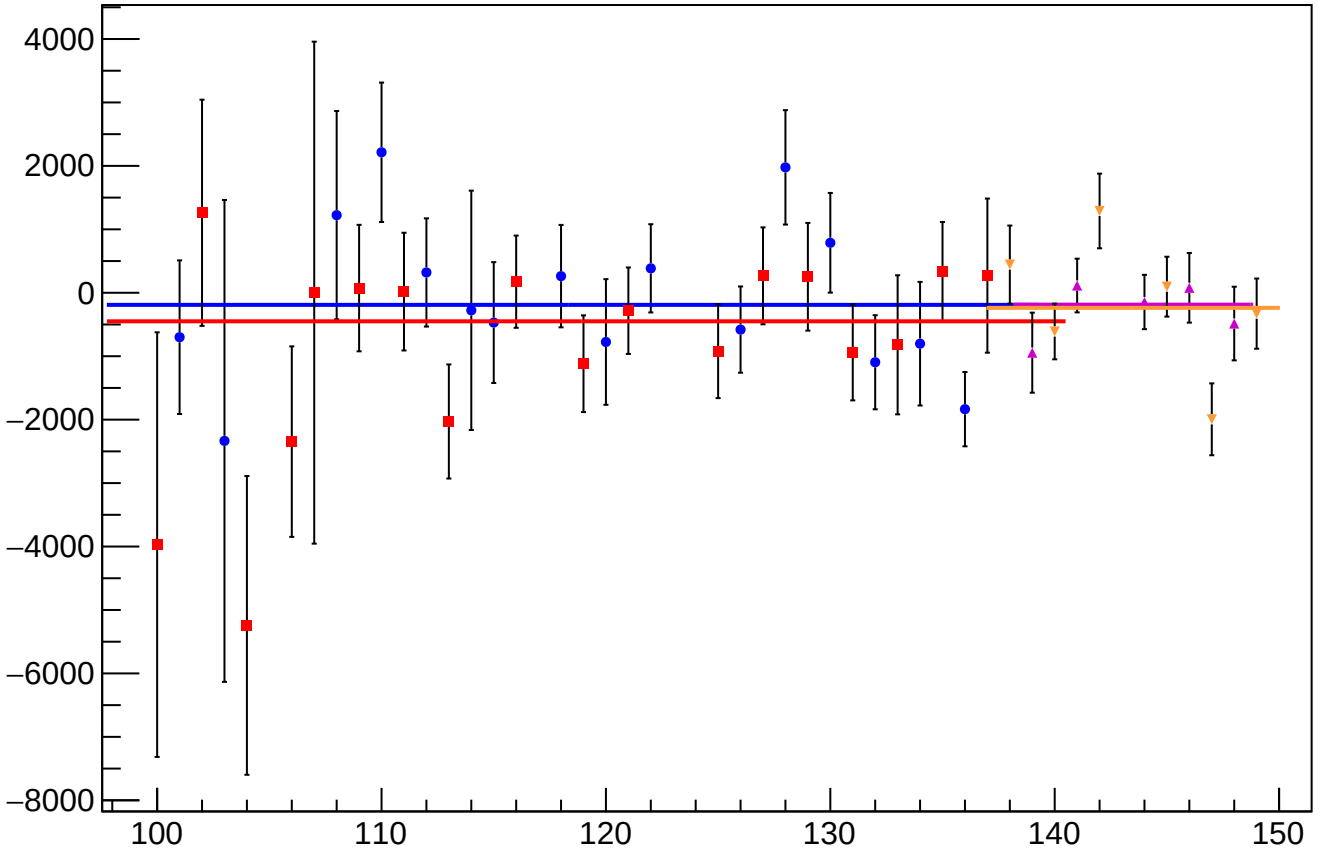
Left In: 1131.256+/-0.382 χ^2/NDF:1105.0/4

+ sign 1185.855+/-0.246 χ^2/NDF: 327668.6/21

All: 1196.533+/-0.176 χ^2/NDF: 836389.3/44

- sign 1207.776+/-0.252 χ^2/NDF: 504850.6/22

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -237.603+/-215.121 χ^2/NDF:18.8/5

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

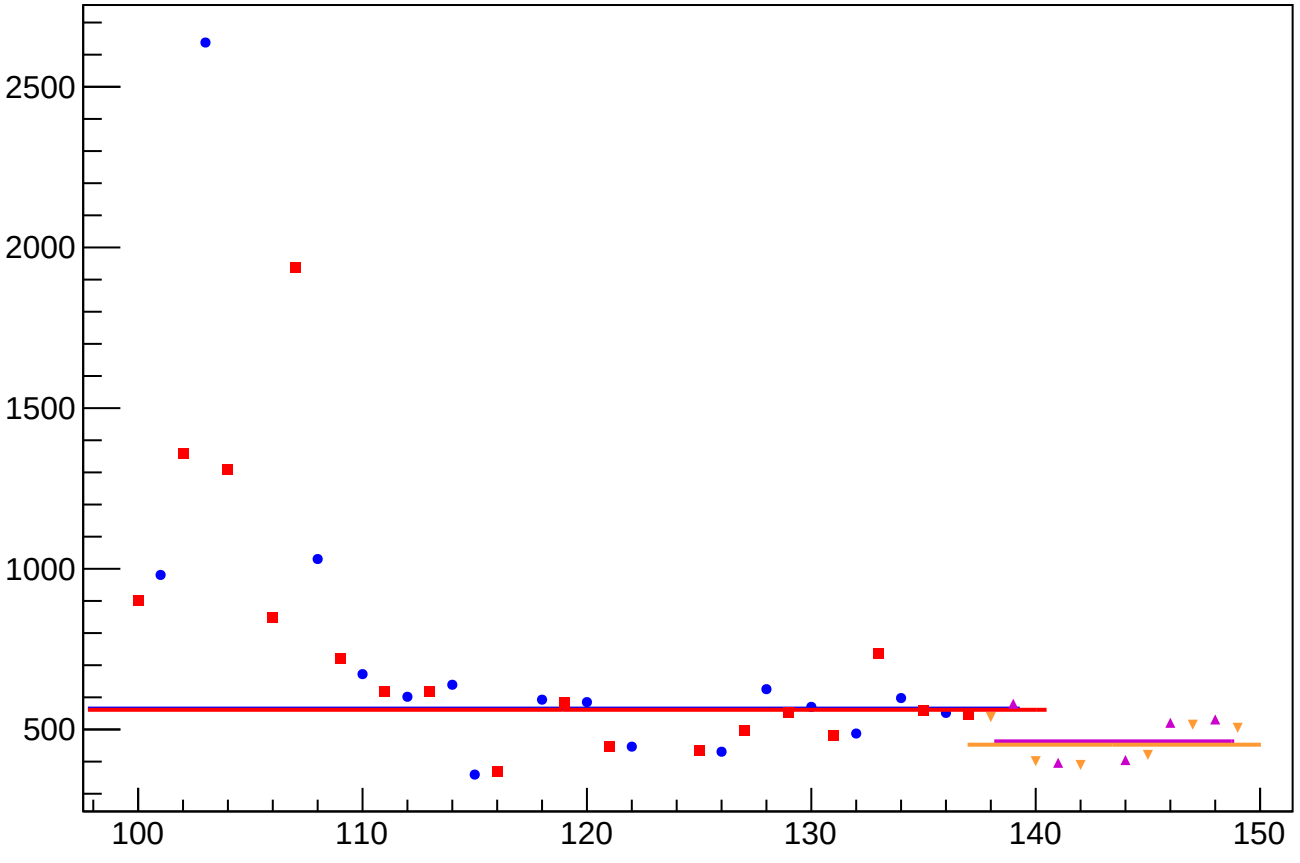
Left In: -187.069+/-224.595 χ^2/NDF:2.5/4

+ sign -214.949+/-154.780 χ^2/NDF: 44.1/21

All: -265.934+/-110.676 χ^2/NDF: 64.3/44

- 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: 452.656+/-0.152 χ^2/NDF:140674.6/5

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

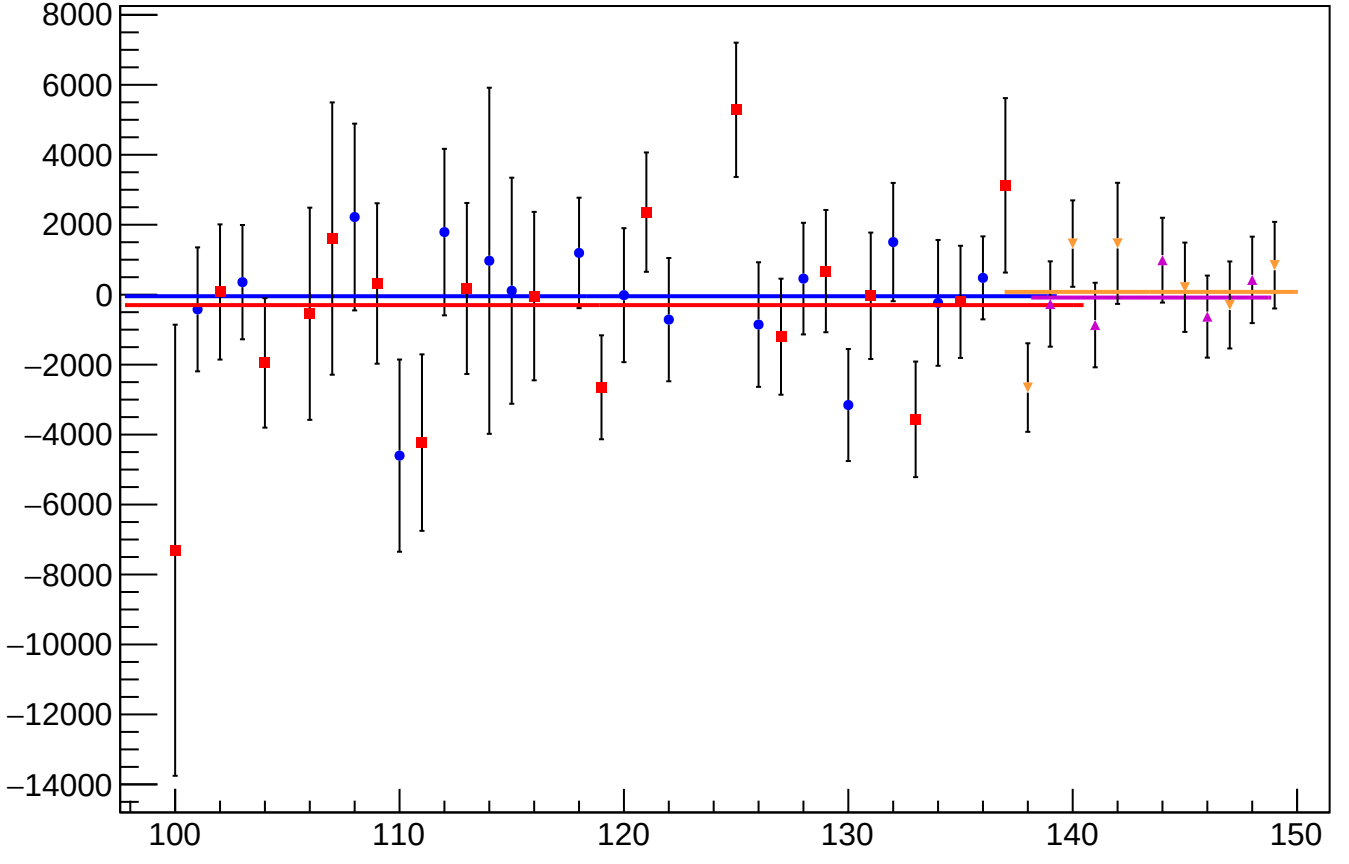
Left In: 462.992+/-0.159 χ^2/NDF:205057.3/4

+ sign 506.821+/-0.109 χ^2/NDF: 1688046.3/21

All: 509.559+/-0.078 χ^2/NDF: 3439186.2/44

- 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: 79.580+/-532.636 χ^2/NDF:7.0/5

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

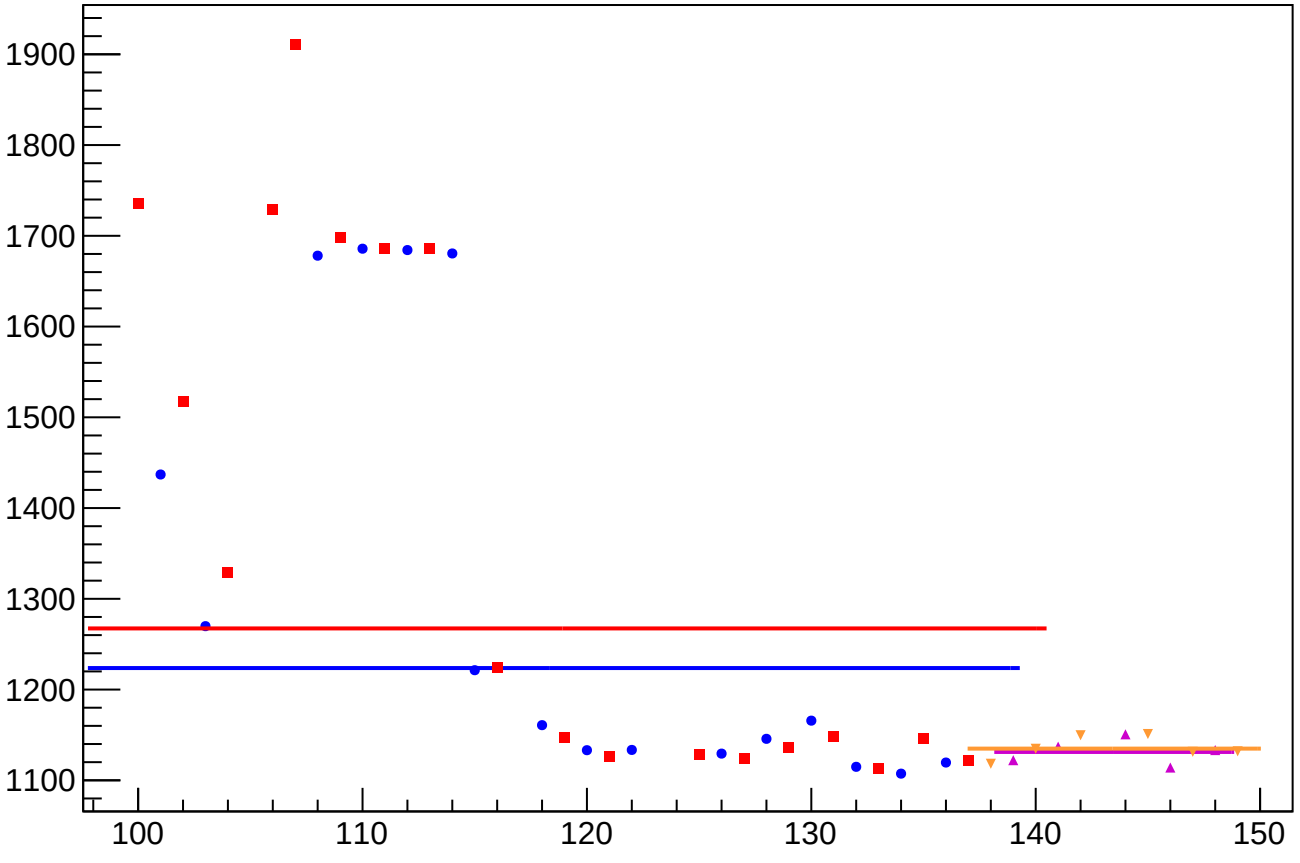
Left In: -82.061+/-540.860 χ^2/NDF:1.6/4

+ sign 8.737+/-347.802 χ^2/NDF: 17.2/21

All: -94.854+/-249.134 χ^2/NDF: 43.7/44

- 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: 1134.935+/-0.377 χ^2/NDF:837.1/5

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

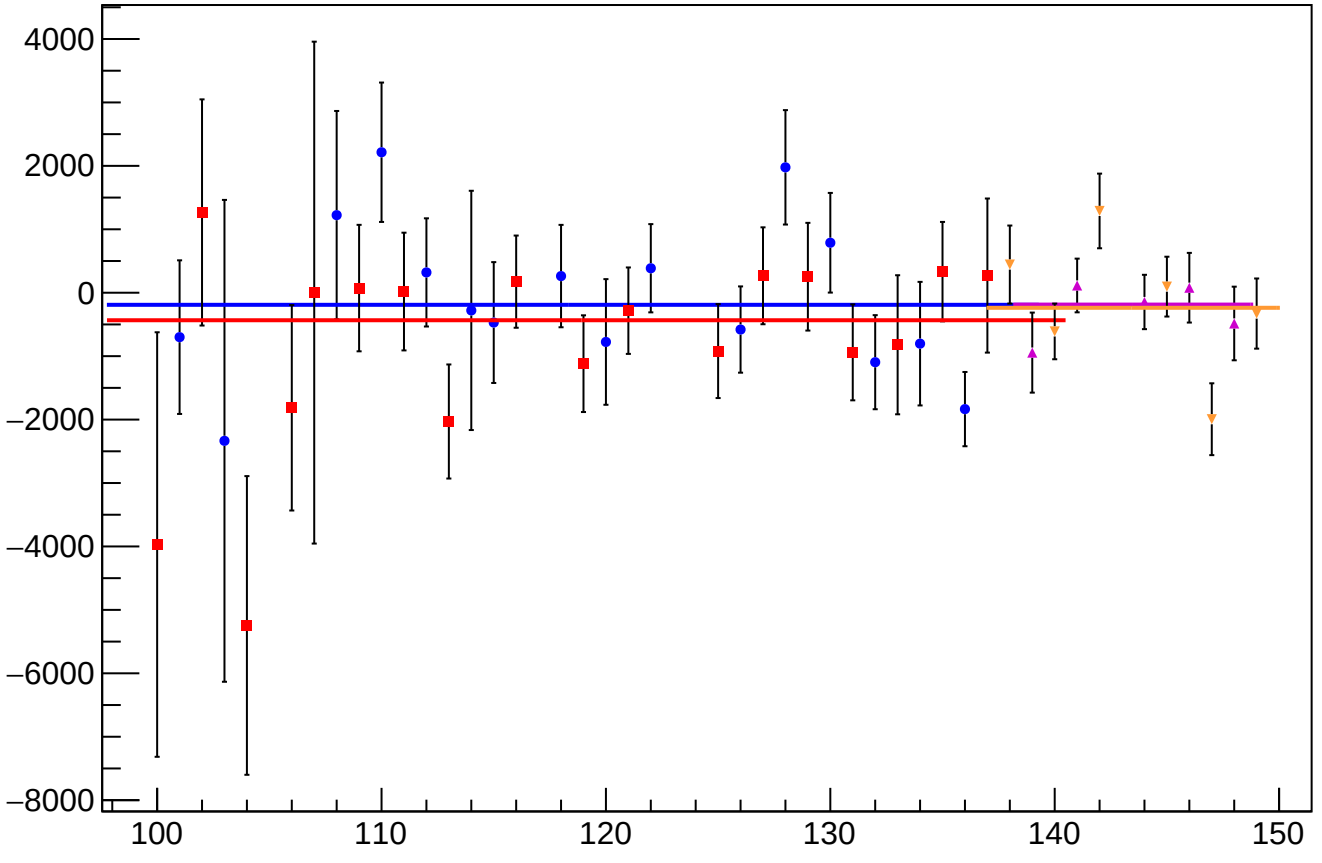
Left In: 1131.256+/-0.382 χ^2/NDF:1105.0/4

+ sign 1185.855+/-0.246 χ^2/NDF: 327668.6/21

All: 1196.663+/-0.176 χ^2/NDF: 844185.4/44

- 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: -237.568+/-215.120 χ^2/NDF:18.8/5

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

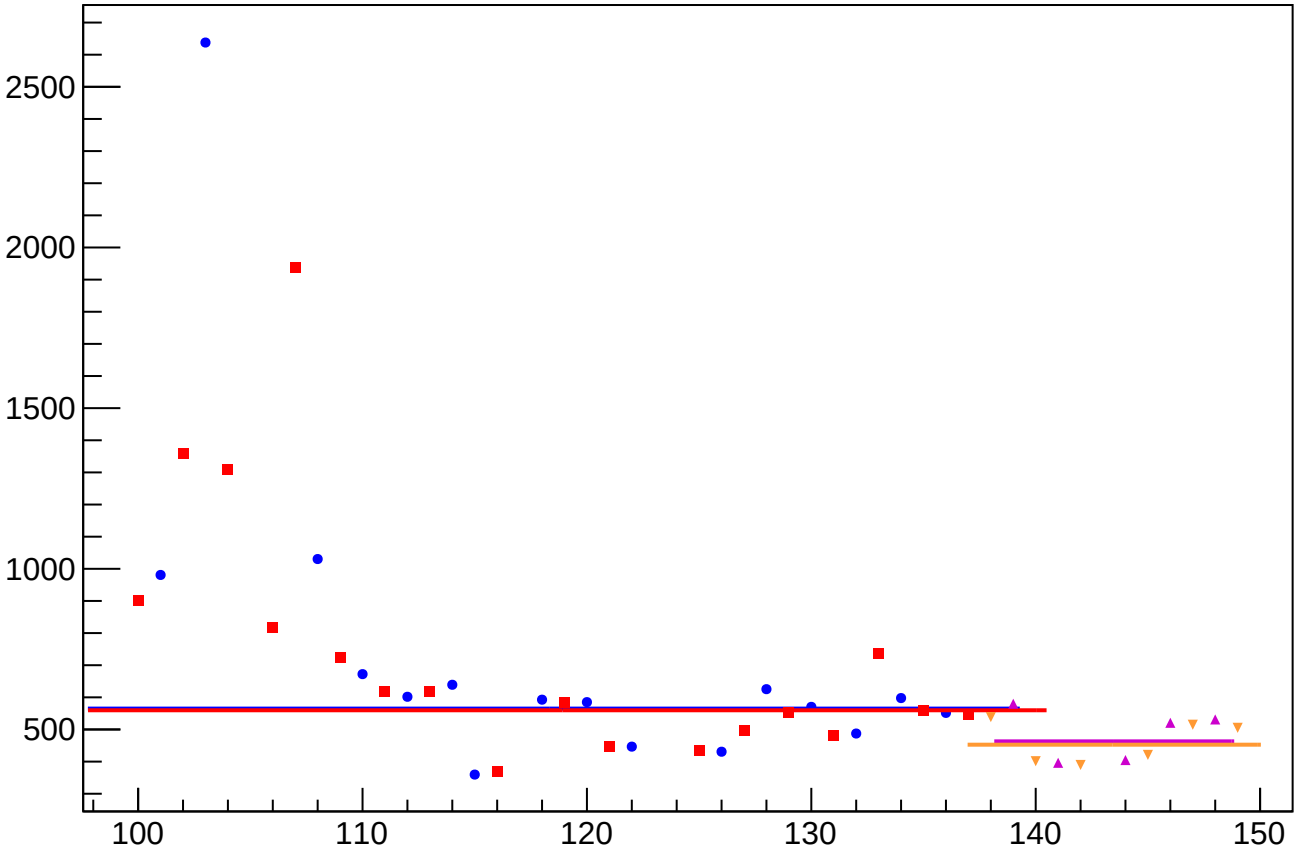
Left In: -186.986+/-224.596 χ^2/NDF:2.5/4

+ sign -214.936+/-154.779 χ^2/NDF: 44.1/21

All: -261.850+/-110.717 χ^2/NDF: 63.3/44

- 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: 452.654+/-0.152 χ^2/NDF:140646.0/5

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

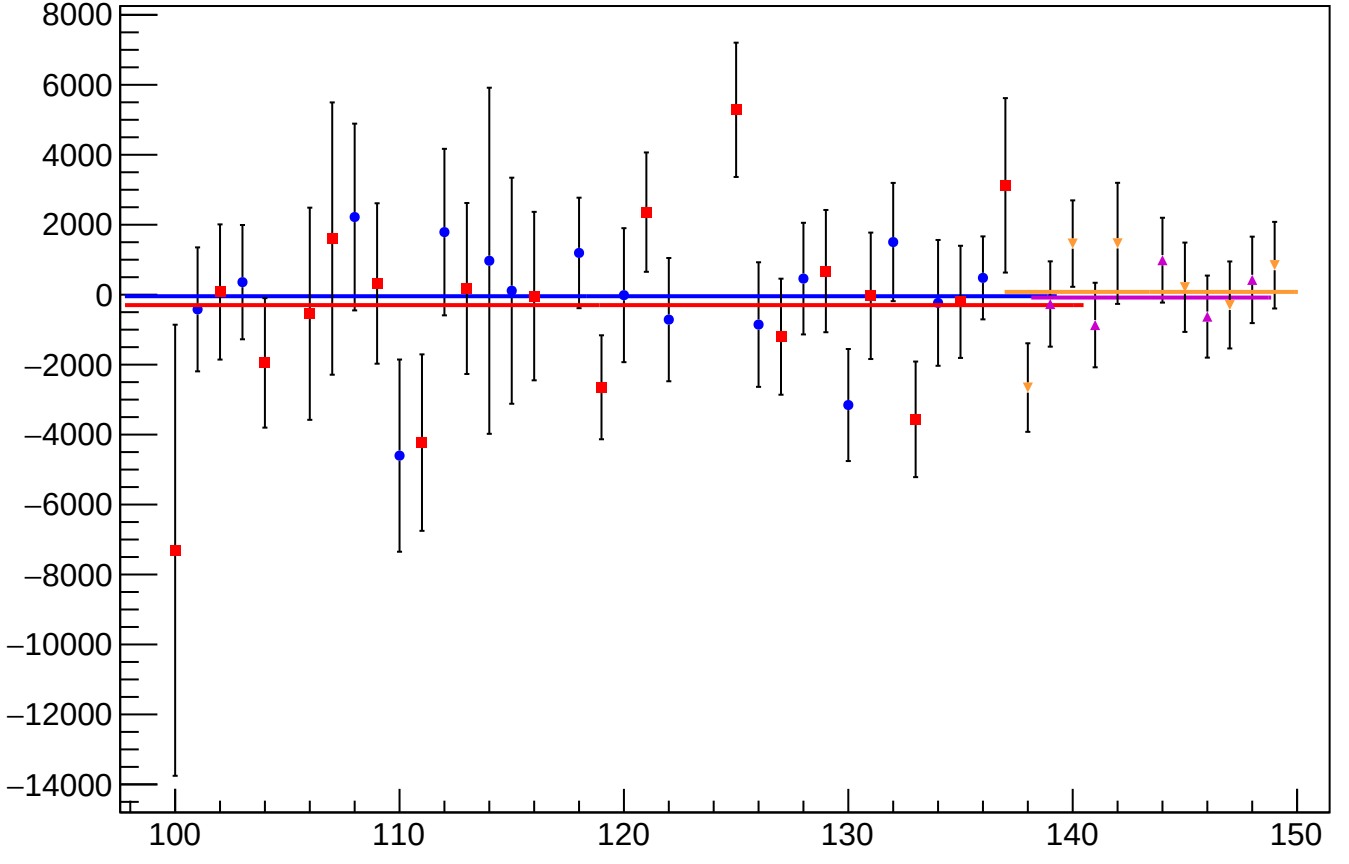
Left In: 462.994+/-0.159 χ^2/NDF:205058.8/4

+ sign 506.818+/-0.109 χ^2/NDF: 1687984.6/21

All: 509.154+/-0.078 χ^2/NDF: 3409820.2/44

- 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: 79.580+/-532.636 χ^2/NDF:7.0/5

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

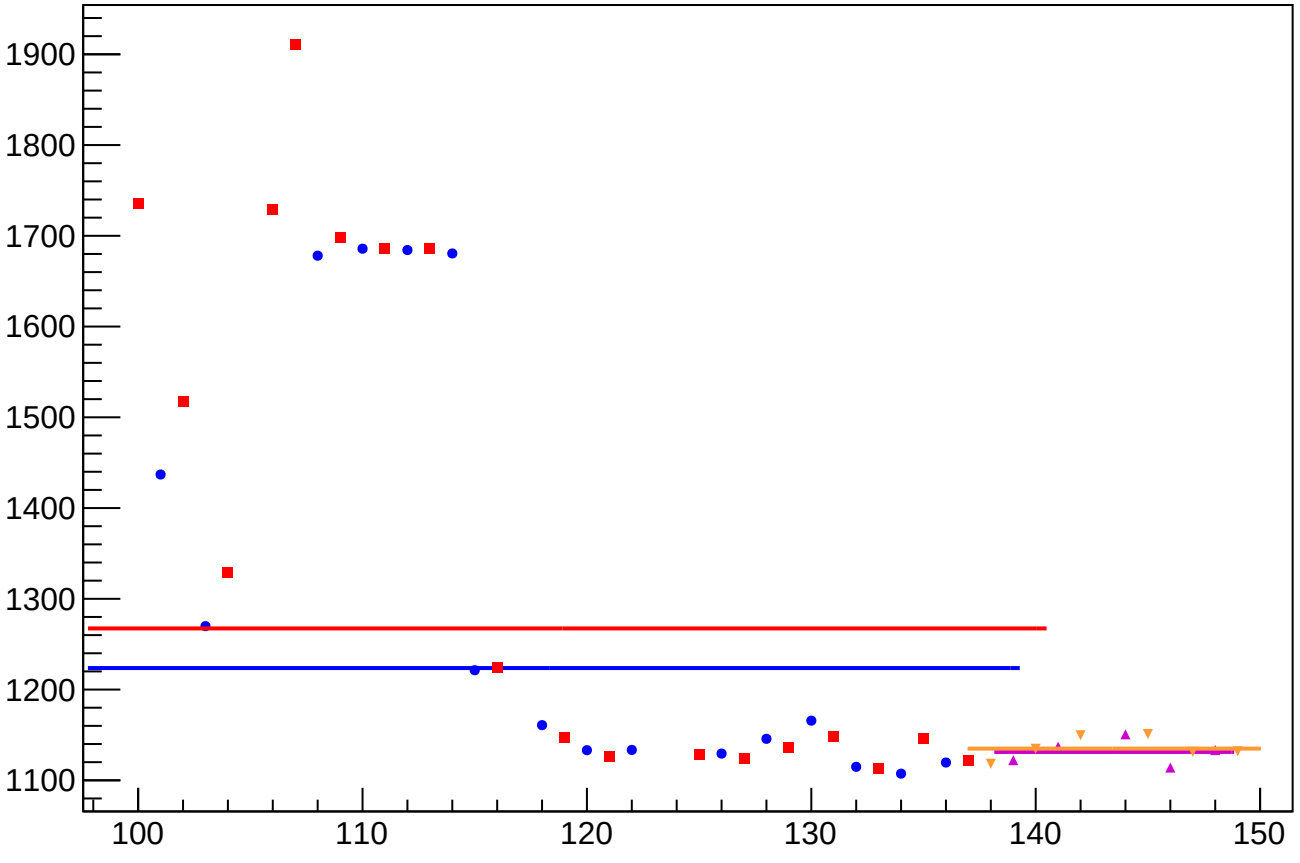
Left In: -82.061+/-540.860 χ^2/NDF:1.6/4

+ sign 8.737+/-347.802 χ^2/NDF: 17.2/21

All: -94.854+/-249.134 χ^2/NDF: 43.7/44

- 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: 1134.935+/-0.377 χ^2/NDF:837.1/5

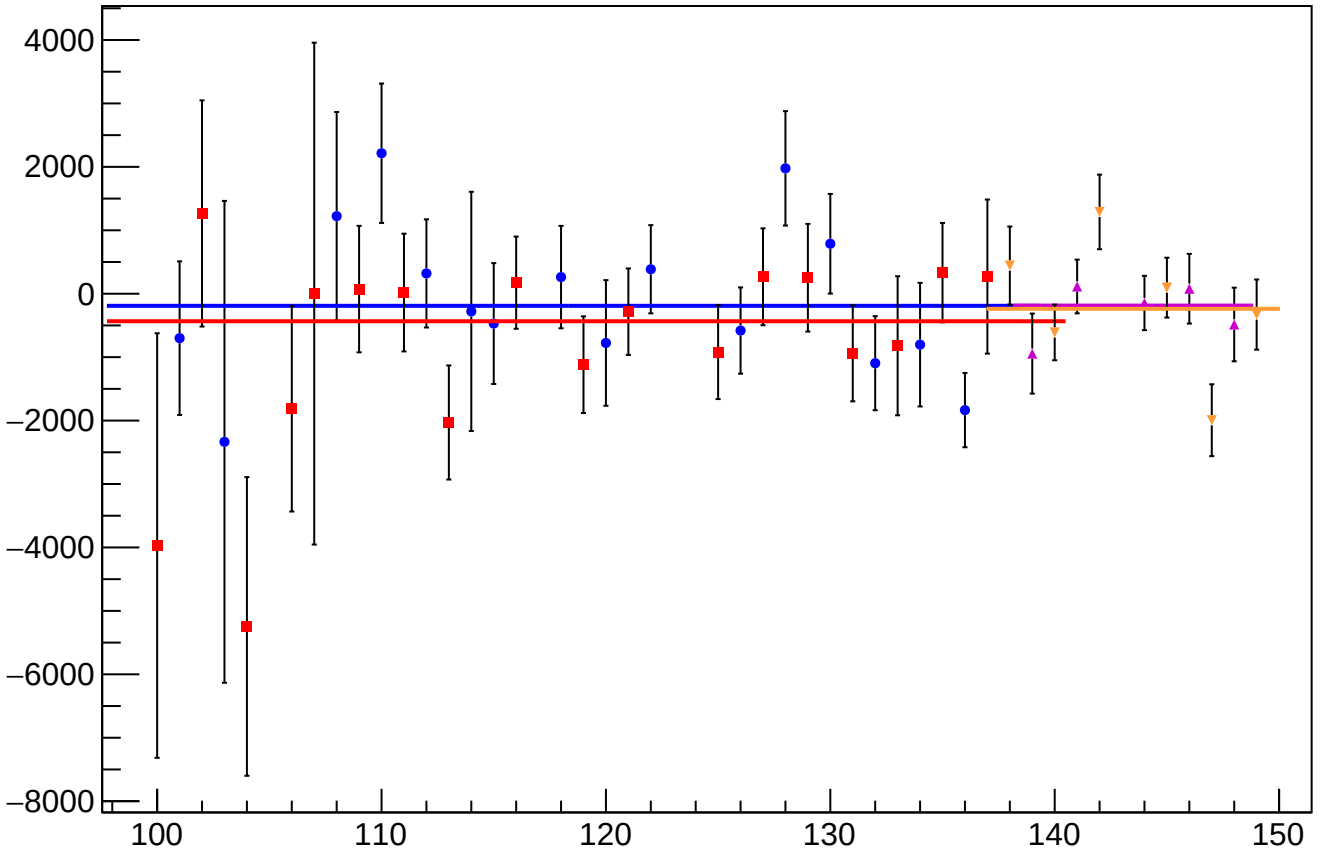
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.256+/-0.382 χ^2/NDF:1105.0/4

+ sign 1185.855+/-0.246 χ^2/NDF: 327668.6/21

All: 1196.663+/-0.176 χ^2/NDF: 844185.4/44

- 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: -237.568+/-215.120 χ^2/NDF:18.8/5

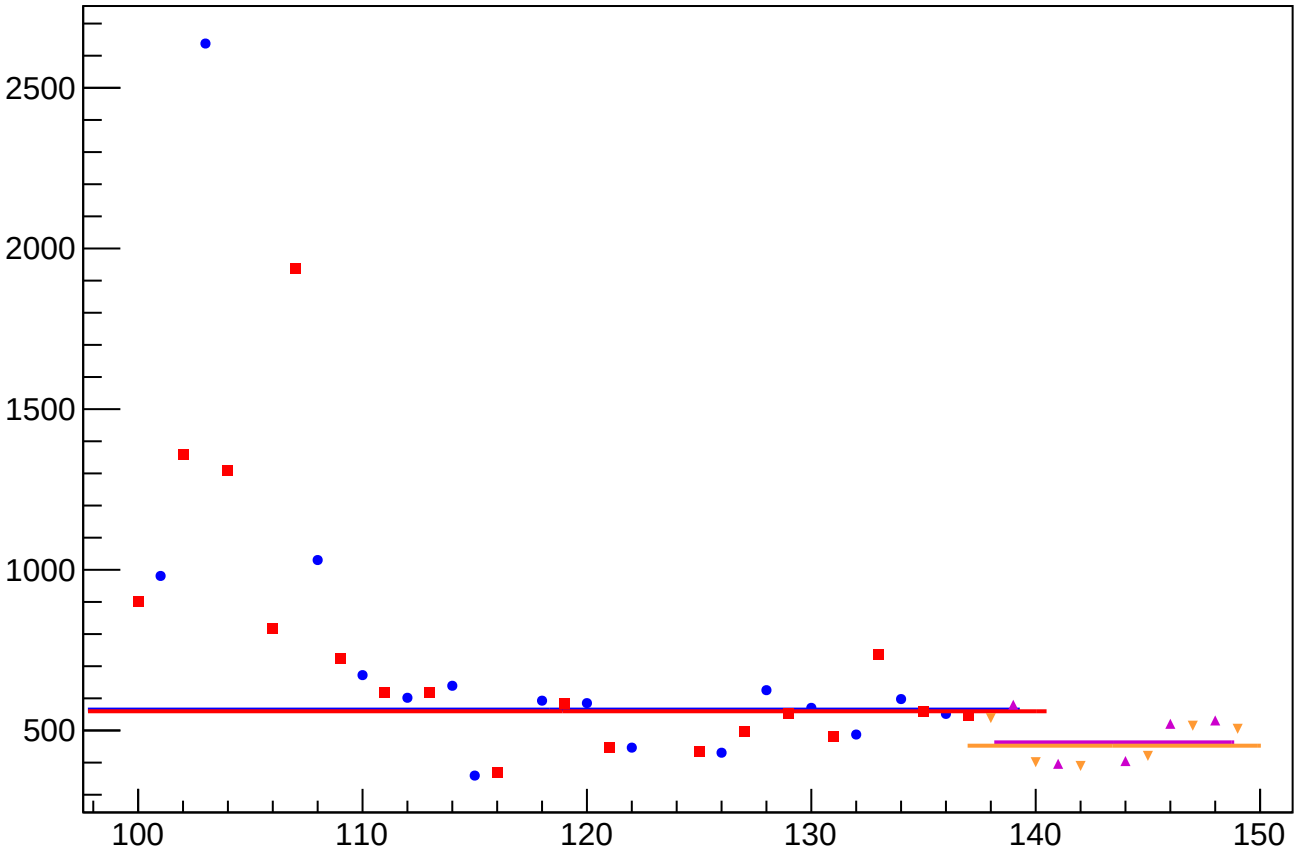
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -186.986+/-224.596 χ^2/NDF:2.5/4

+ sign -214.936+/-154.779 χ^2/NDF: 44.1/21

All: -261.850+/-110.717 χ^2/NDF: 63.3/44

- sign -311.009+/-158.441 χ^2/NDF: 19.0/22



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 452.654+/-0.152 χ^2/NDF:140646.0/5

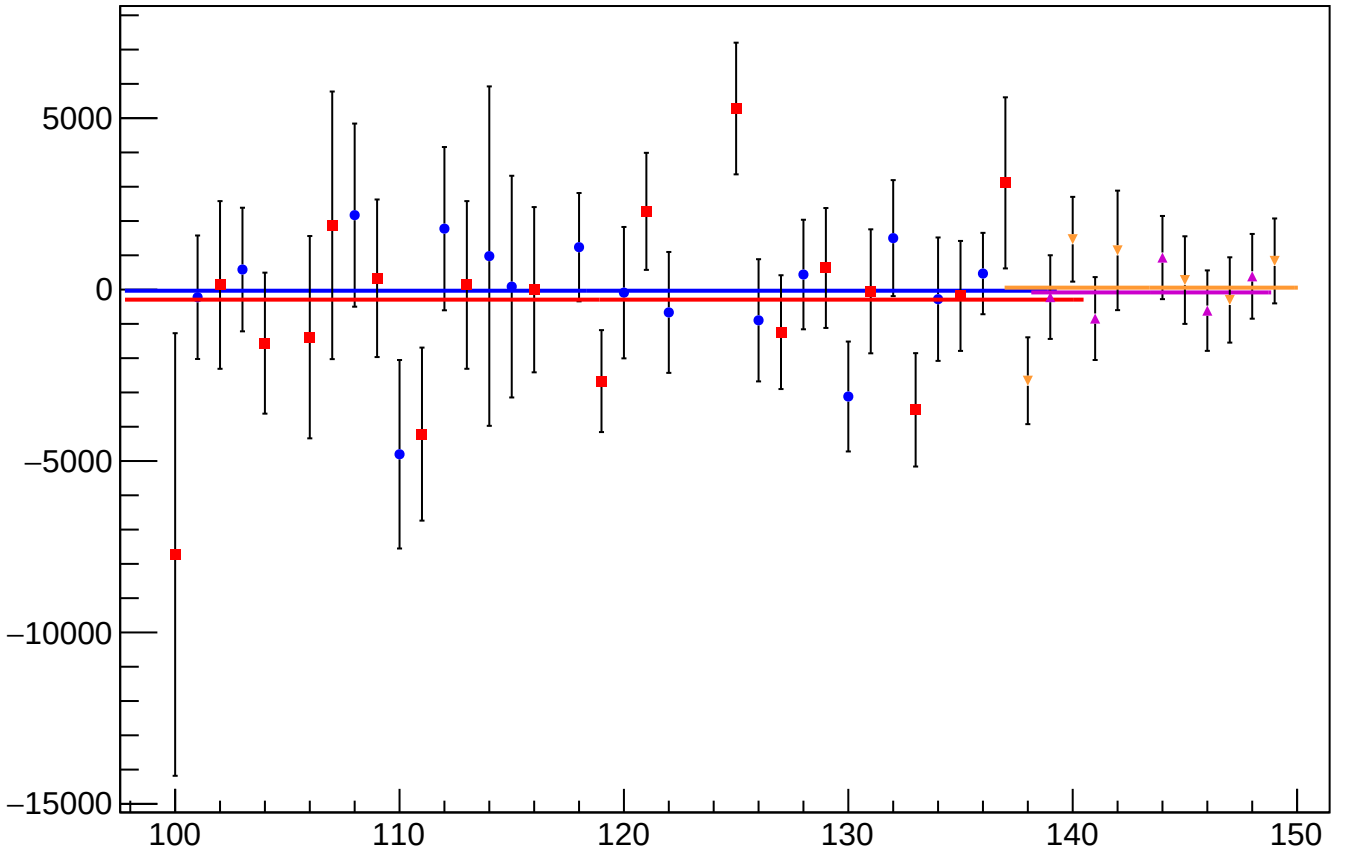
Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 462.994+/-0.159 χ^2/NDF:205058.8/4

\+ sign 506.818+/-0.109 χ^2/NDF: 1687984.6/21

All: 509.154+/-0.078 χ^2/NDF: 3409820.2/44

\- 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: 56.624+/-533.192 χ^2/NDF:6.8/5

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

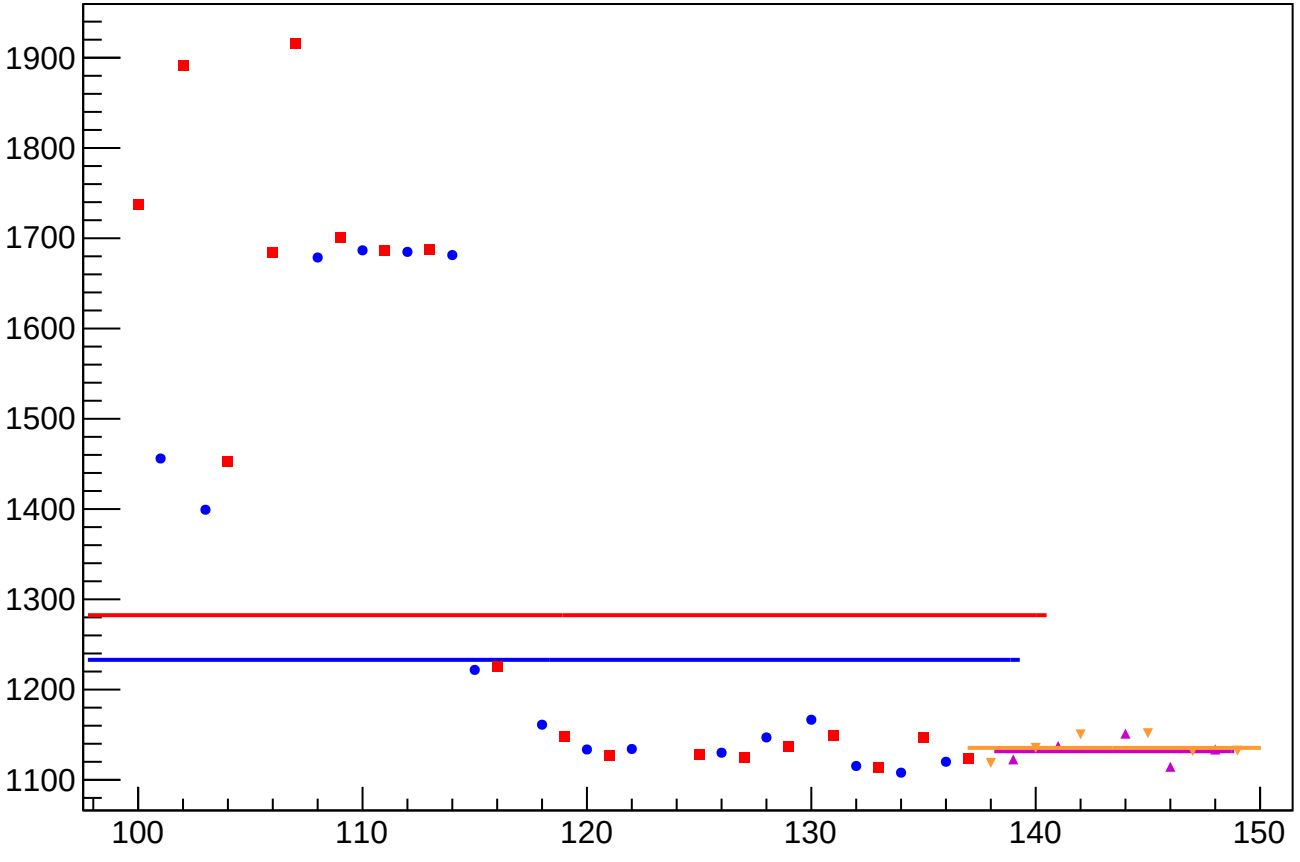
Left In: -82.607+/-541.081 χ^2/NDF:1.5/4

+ sign 5.513+/-349.685 χ^2/NDF: 17.1/21

All: -93.935+/-251.059 χ^2/NDF: 43.0/44

- 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: 1135.425+/-0.377 χ^2/NDF:846.4/5

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

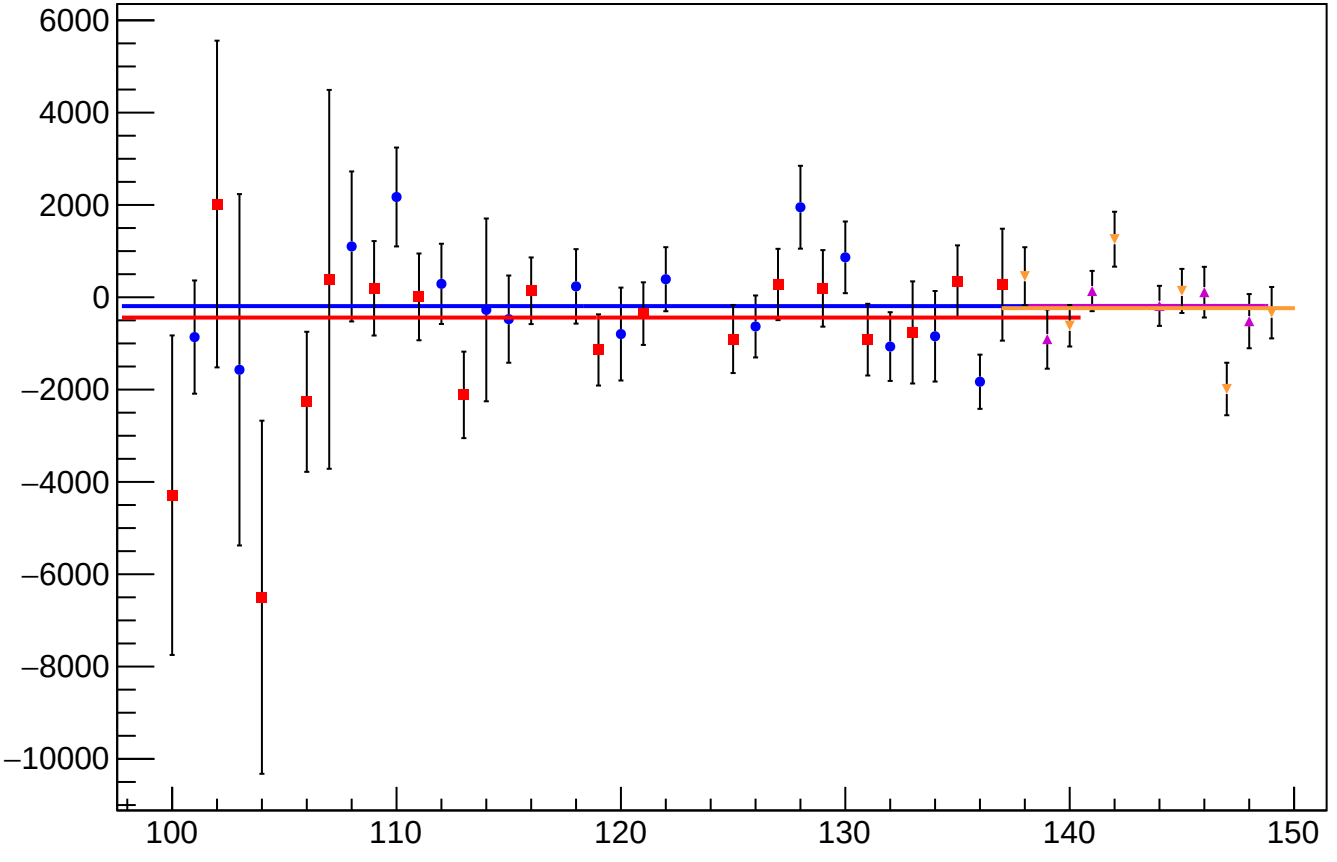
Left In: 1131.718+/-0.383 χ^2/NDF:1106.6/4

+ sign 1191.011+/-0.247 χ^2/NDF: 354460.0/21

All: 1202.854+/-0.178 χ^2/NDF: 989901.8/44

- 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: -235.671+/-218.172 χ^2/NDF:18.4/5

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

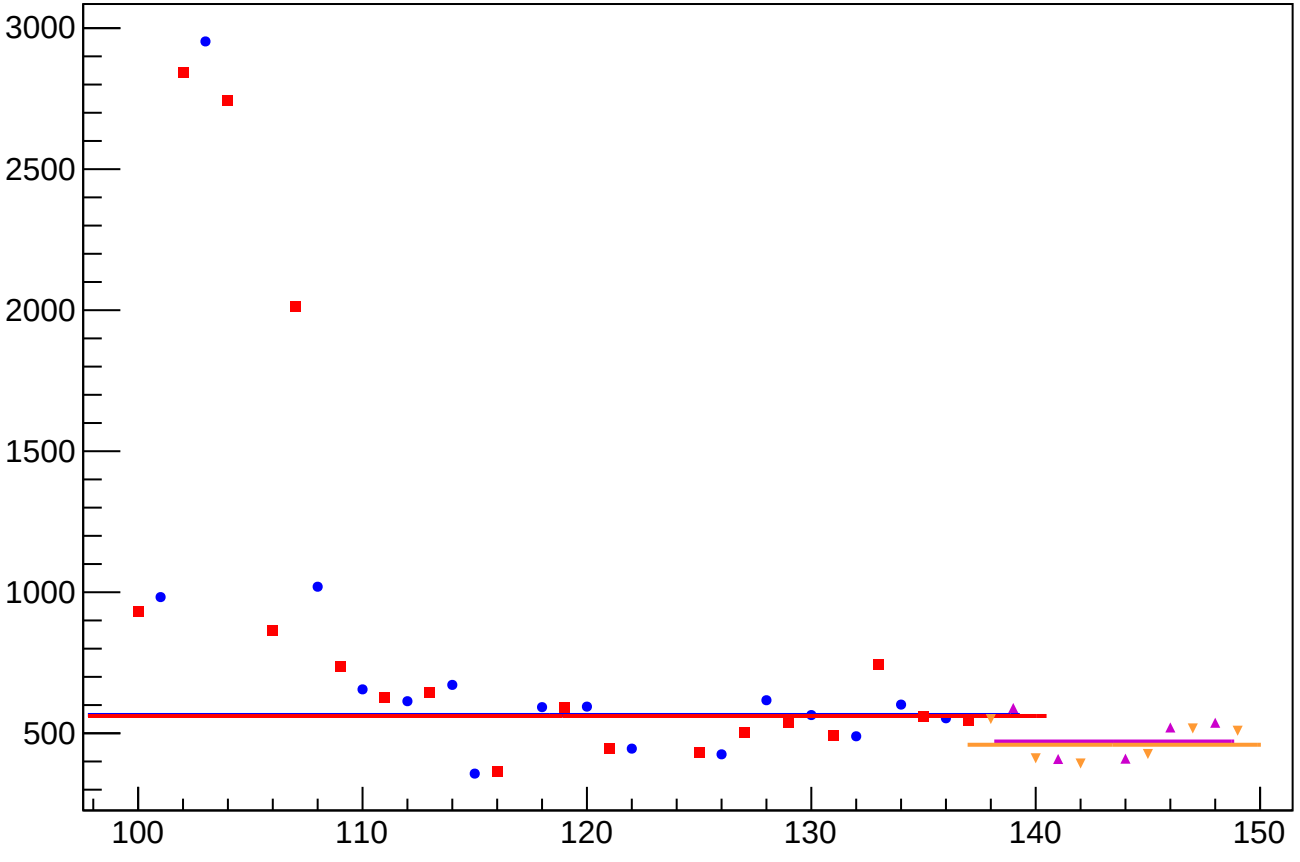
Left In: -188.138+/-228.076 χ^2/NDF:2.4/4

+ sign -214.059+/-155.869 χ^2/NDF: 43.7/21

All: -262.824+/-111.902 χ^2/NDF: 61.5/44

- 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: 459.307+/-0.154 χ^2/NDF:135983.9/5

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

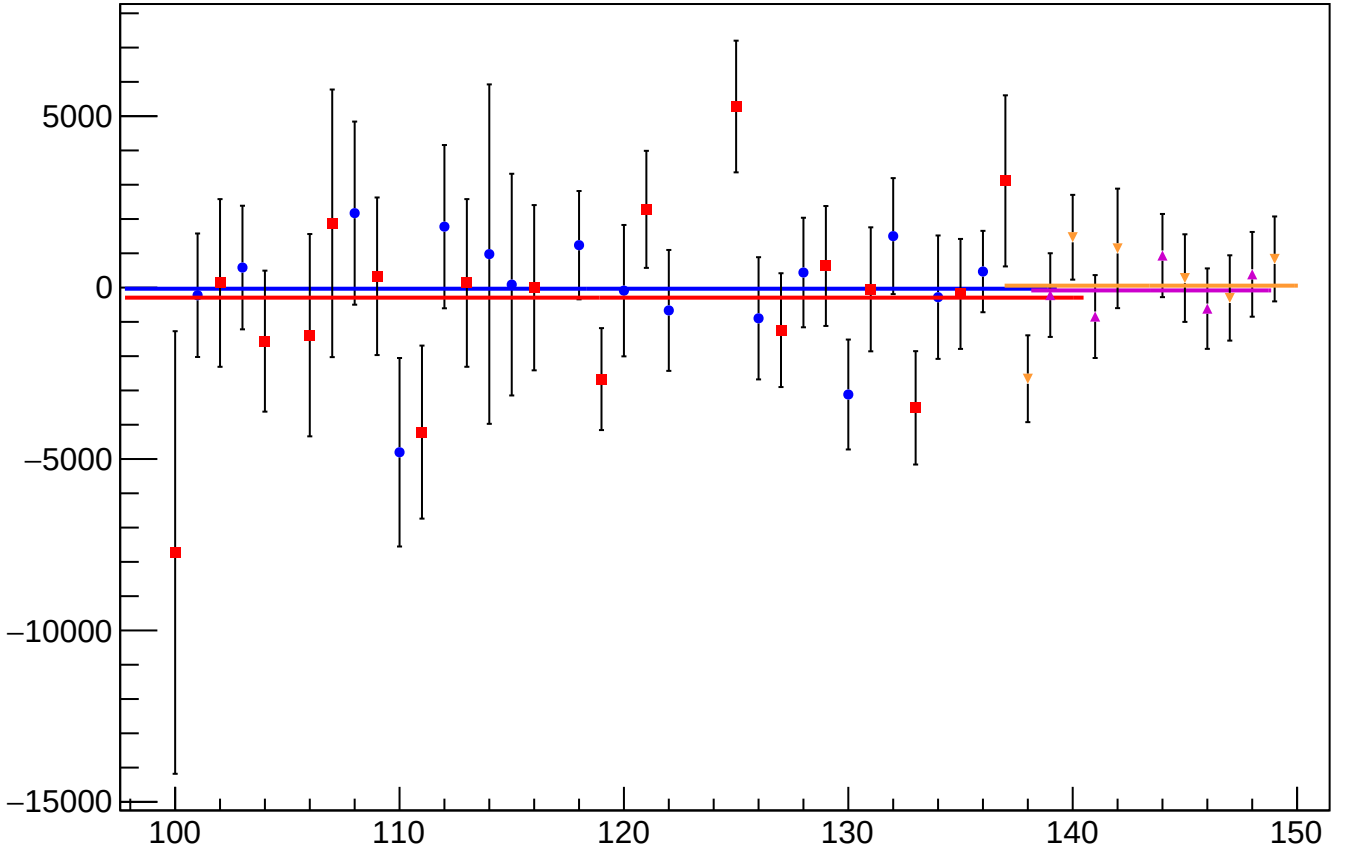
Left In: 470.781+/-0.161 χ^2/NDF:190405.1/4

+ sign 510.990+/-0.110 χ^2/NDF: 1845601.8/21

All: 513.573+/-0.079 χ^2/NDF: 4468955.3/44

- 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: 56.622+/-533.192 χ^2/NDF:6.8/5

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

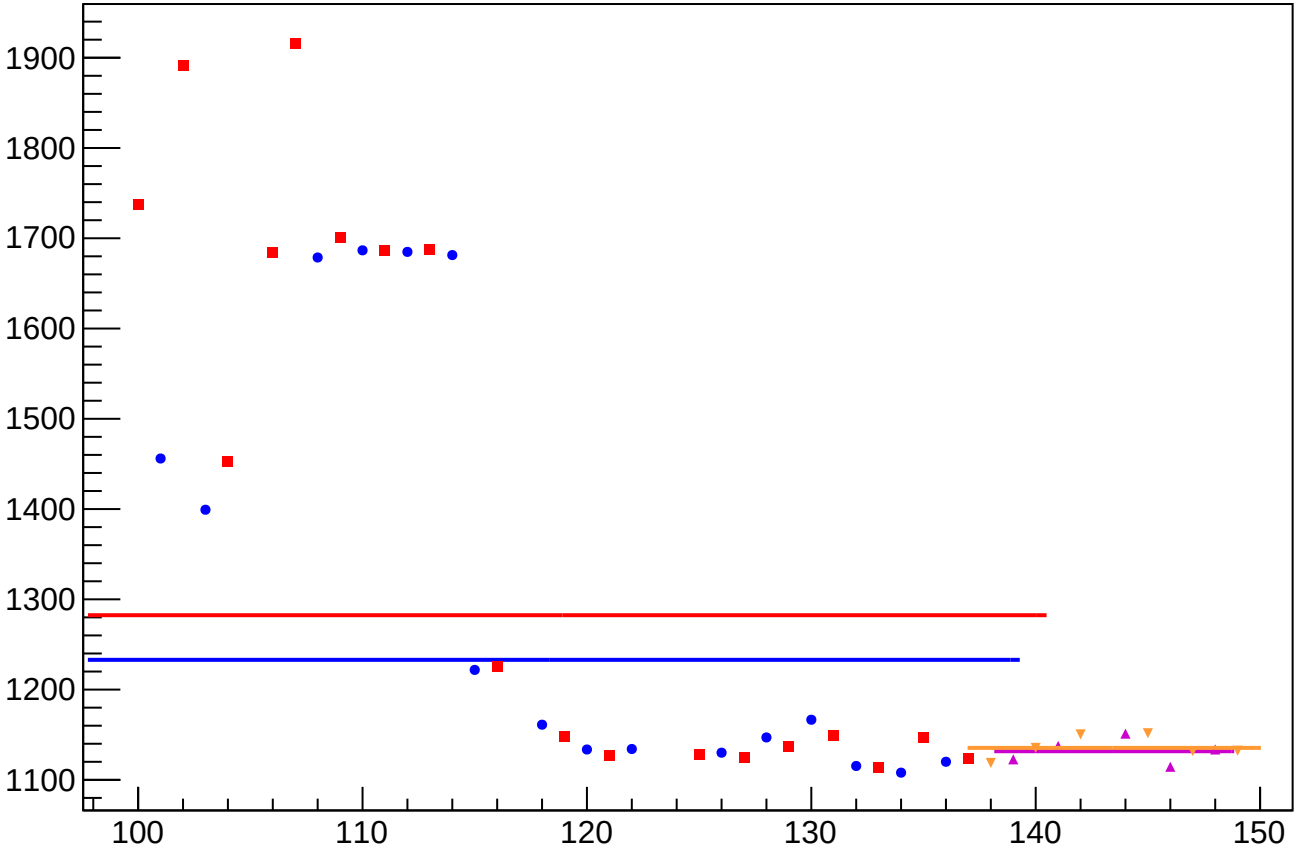
Left In: -82.608+/-541.081 χ^2/NDF:1.5/4

+ sign 5.513+/-349.685 χ^2/NDF: 17.1/21

All: -93.936+/-251.059 χ^2/NDF: 43.0/44

- 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: 1135.425+/-0.377 χ^2/NDF:846.4/5

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

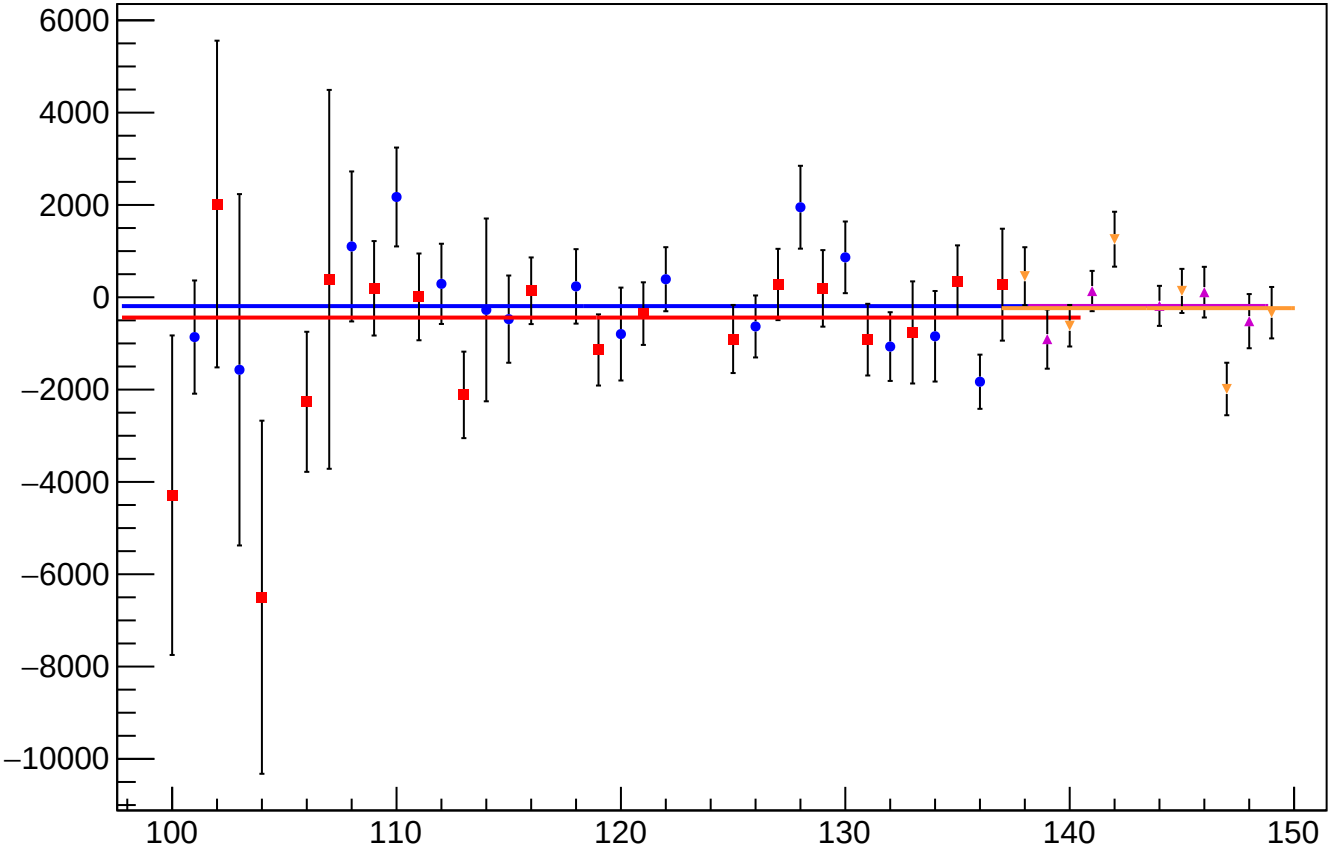
Left In: 1131.718+/-0.383 χ^2/NDF:1106.6/4

+ sign 1191.011+/-0.247 χ^2/NDF: 354459.6/21

All: 1202.854+/-0.178 χ^2/NDF: 989900.7/44

- 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: -235.669+/-218.172 χ^2/NDF:18.4/5

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

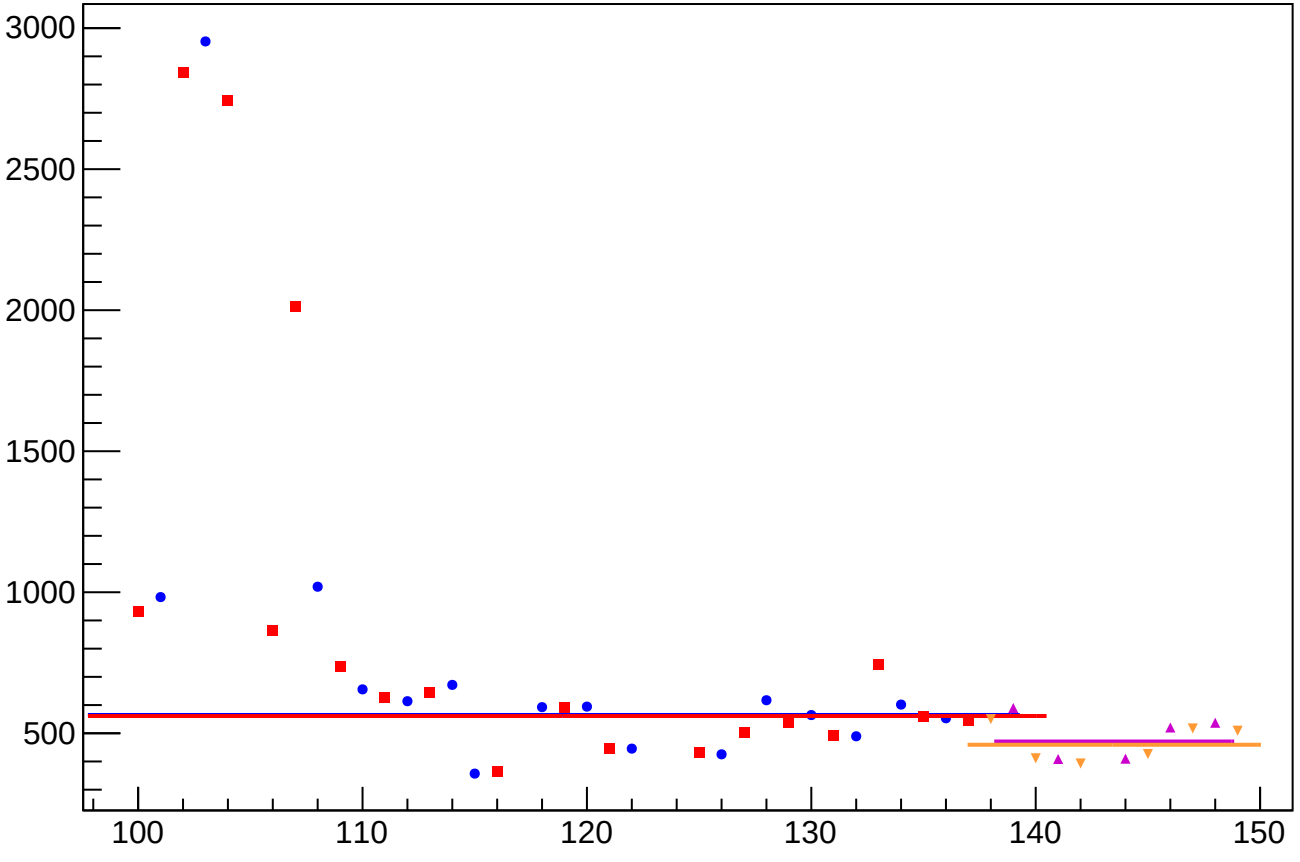
Left In: -188.138+/-228.075 χ^2/NDF:2.4/4

+ sign -214.058+/-155.869 χ^2/NDF: 43.7/21

All: -262.823+/-111.902 χ^2/NDF: 61.5/44

- 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: 459.306+/-0.154 χ^2/NDF:135992.5/5

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

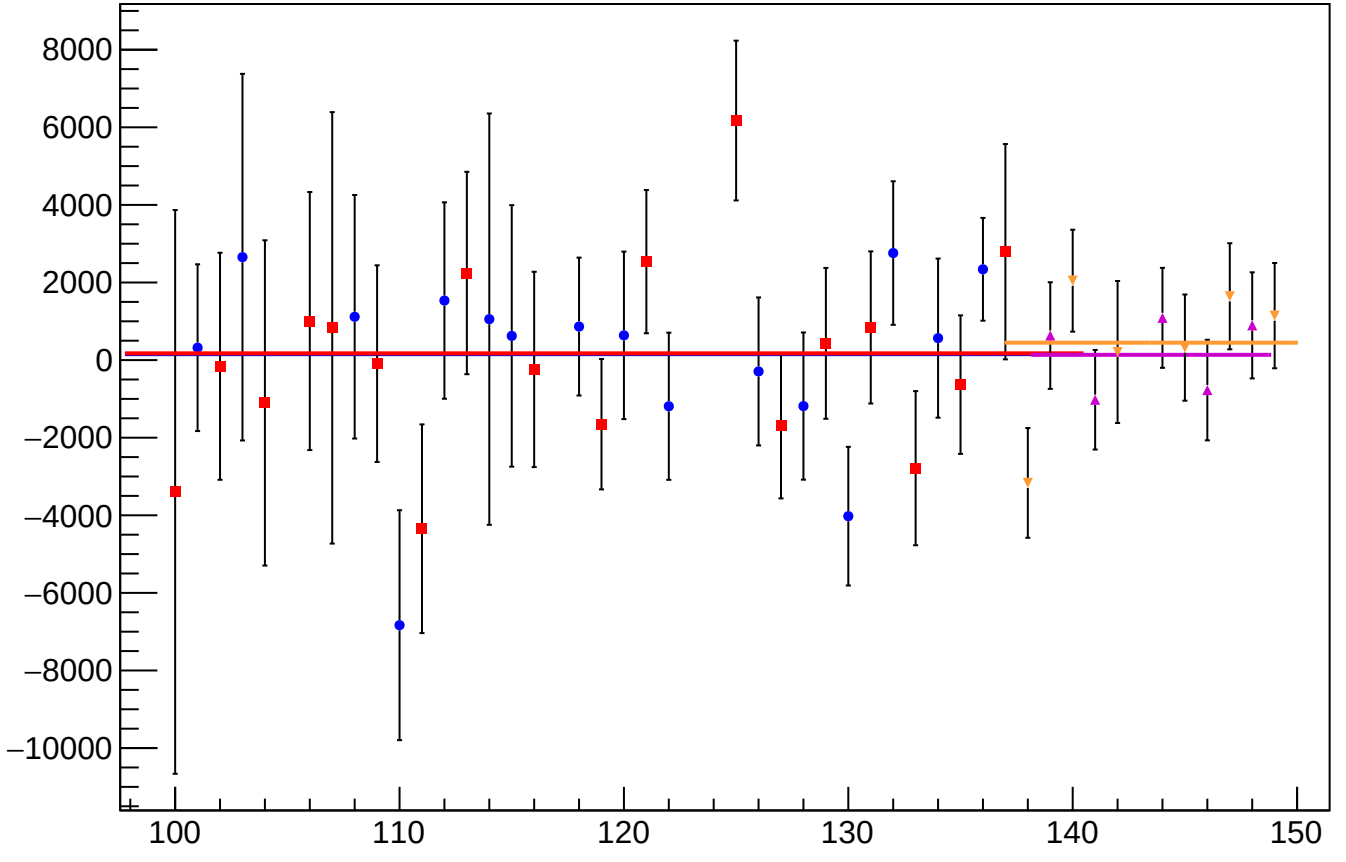
Left In: 470.780+/-0.161 χ^2/NDF:190412.0/4

+ sign 510.989+/-0.110 χ^2/NDF: 1845612.6/21

All: 513.572+/-0.079 χ^2/NDF: 4468976.7/44

- 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: 448.957+/-578.379 χ^2/NDF:9.1/5

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

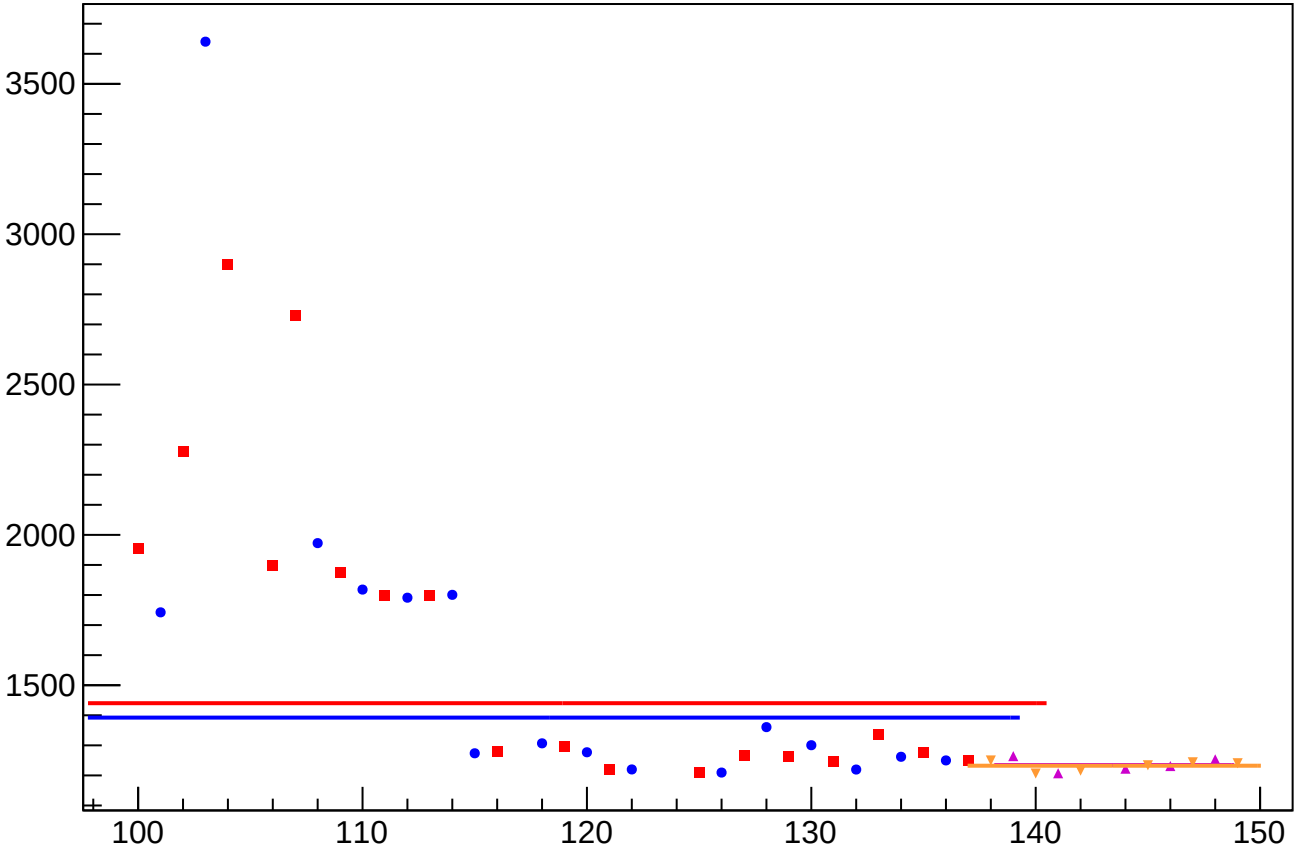
Left In: 135.958+/-590.309 χ^2/NDF:2.3/4

+ sign 288.868+/-391.590 χ^2/NDF: 27.0/21

All: 224.490+/-280.662 χ^2/NDF: 49.0/44

- 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: 1232.290+/-0.409 χ^2/NDF:1459.7/5

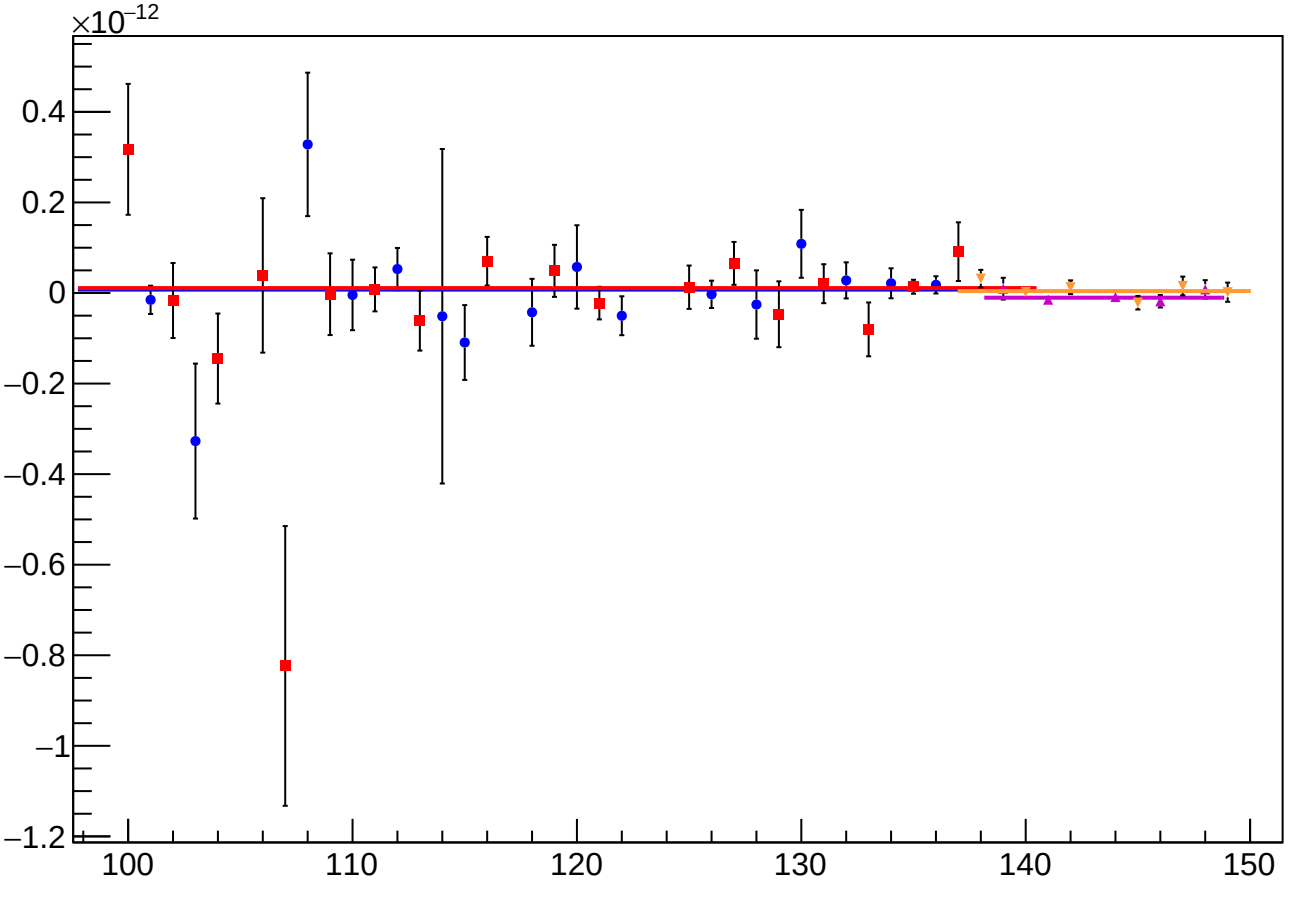
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1234.542+/-0.417 χ^2/NDF:2418.1/4

+ sign 1318.952+/-0.277 χ^2/NDF: 863604.2/21

All: 1331.432+/-0.198 χ^2/NDF: 1855026.7/44

- 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:5.6/5

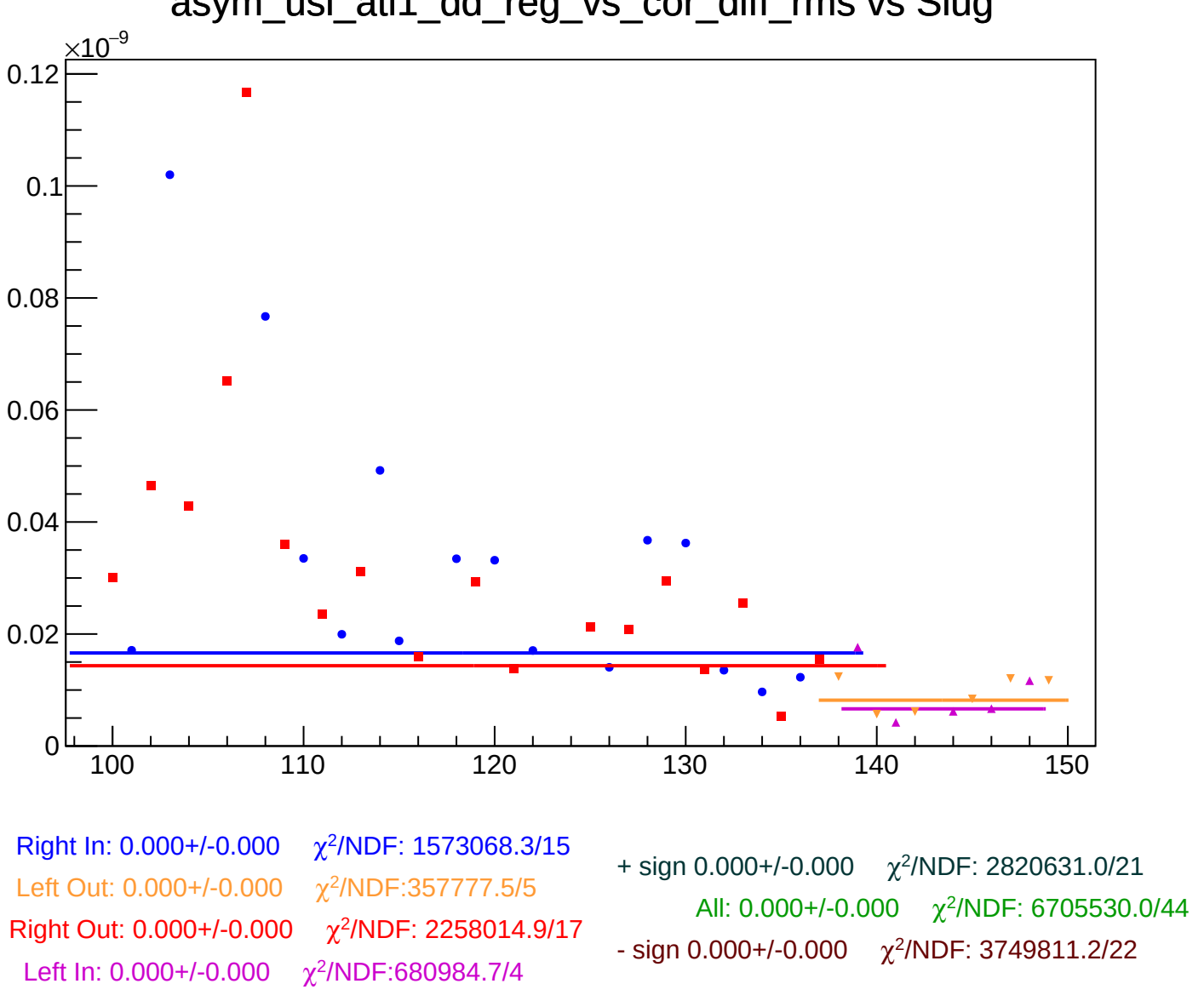
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

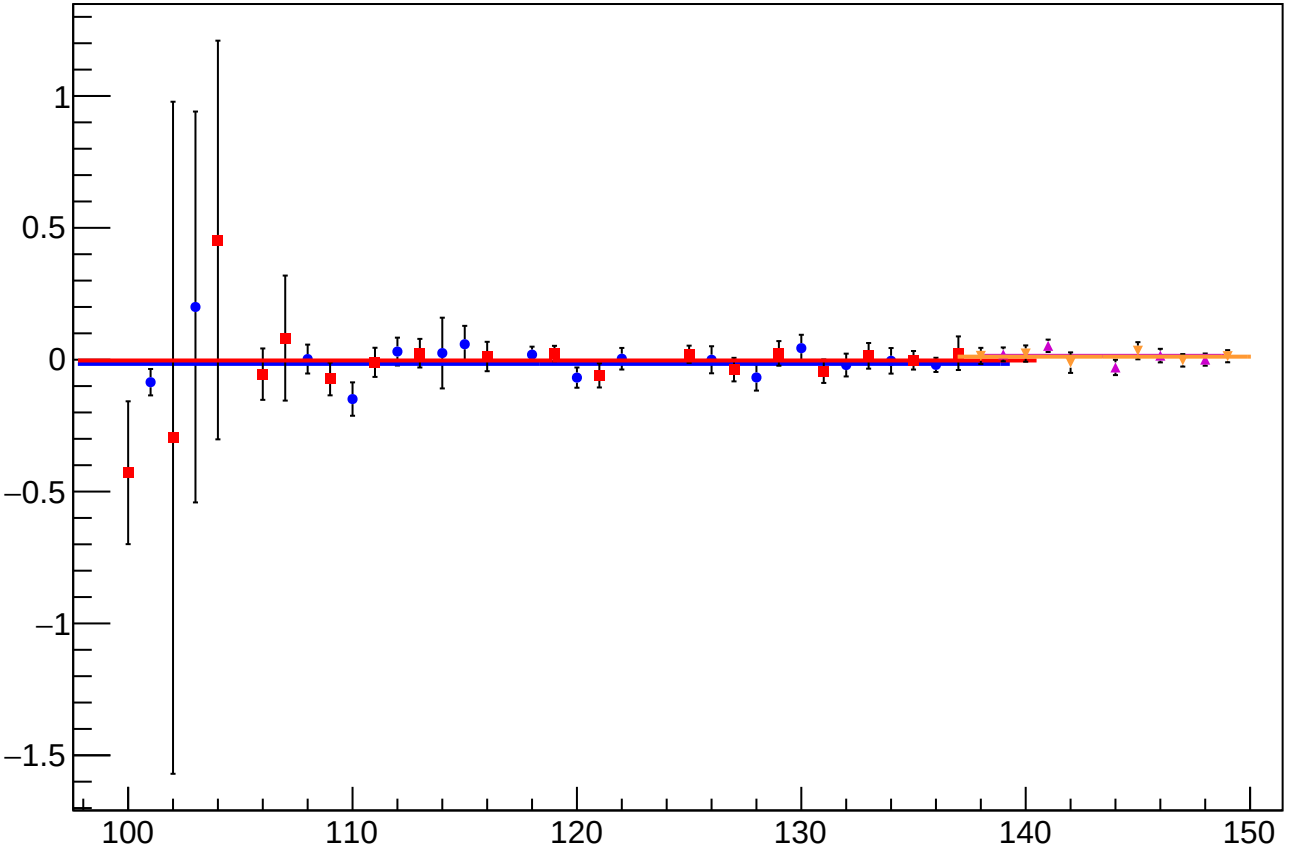
+ sign 0.000+/-0.000 χ^2/NDF: 22.5/21

All: -0.000+/-0.000 χ^2/NDF: 53.7/44

- 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:357777.5/5
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: 2820631.0/21
All: 0.000+/-0.000 χ²/NDF: 6705530.0/44
- 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: 0.012+/-0.012 χ^2/NDF:1.3/5

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

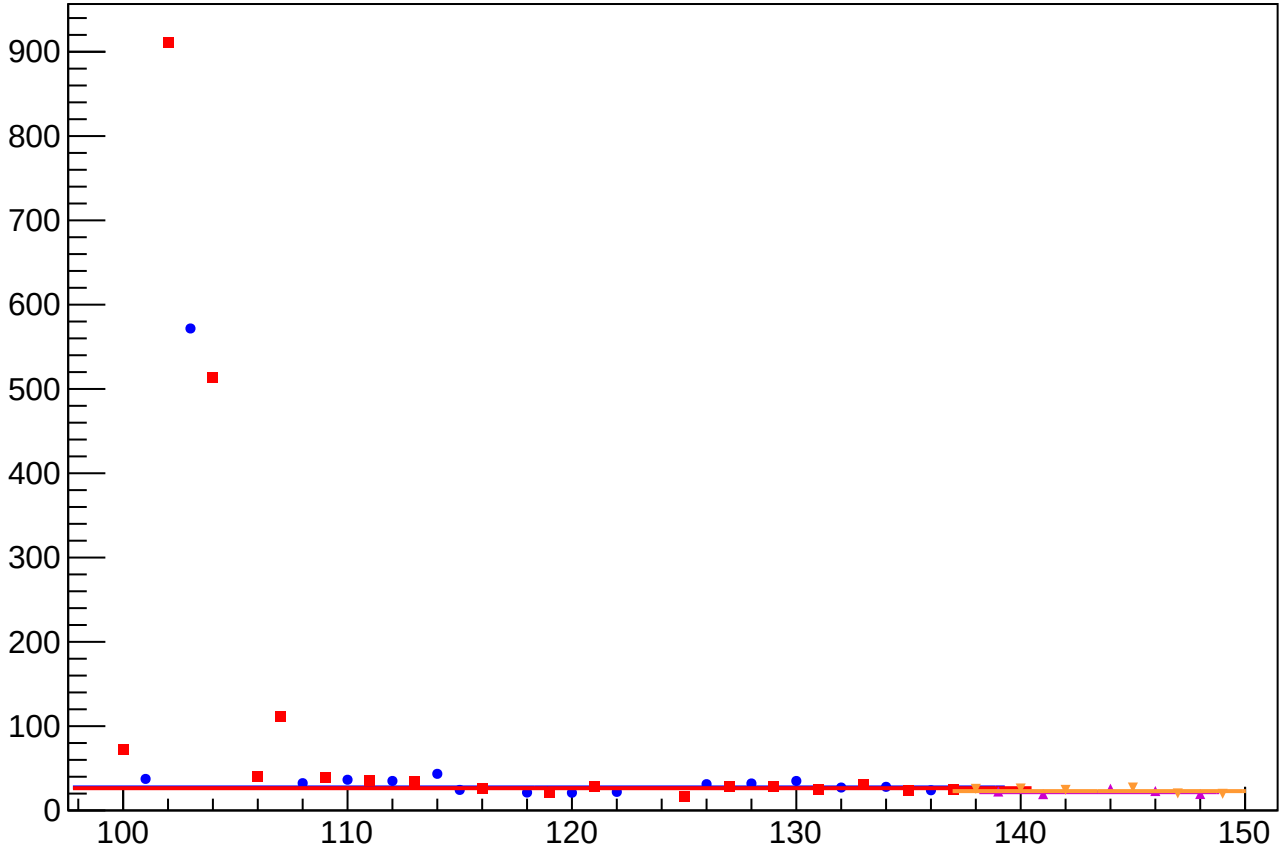
Left In: 0.015+/-0.011 χ^2/NDF:5.3/4

\+ sign -0.002+/-0.008 χ^2/NDF: 18.7/21

All: 0.002+/-0.006 χ^2/NDF: 35.6/44

\- 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: 22.940+/-0.008 χ^2/NDF:137385.4/5

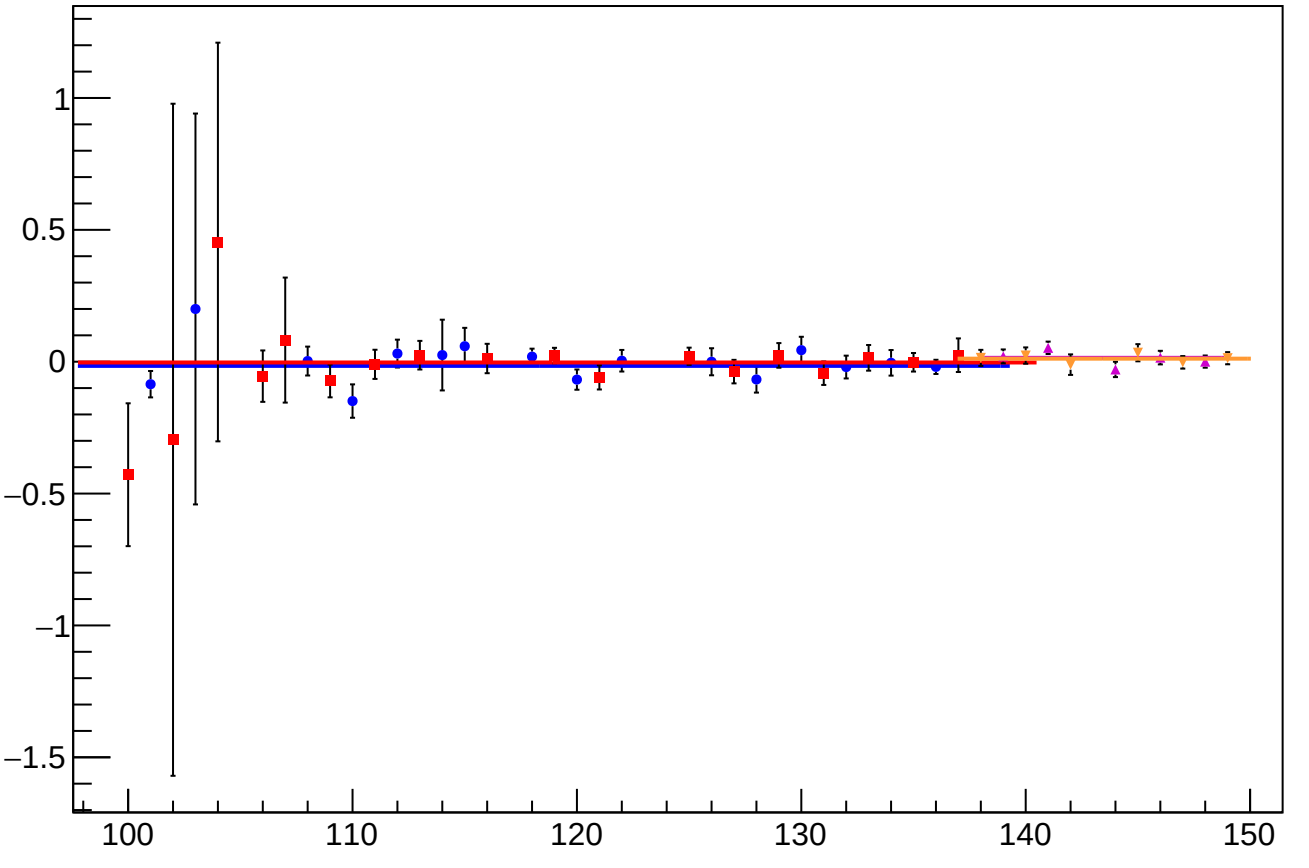
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.684+/-0.008 χ^2/NDF:84310.0/4

+ sign 25.140+/-0.006 χ^2/NDF: 1847197.6/21

All: 24.522+/-0.004 χ^2/NDF: 4732190.5/44

- 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: 0.012+/-0.012 χ^2/NDF:1.3/5

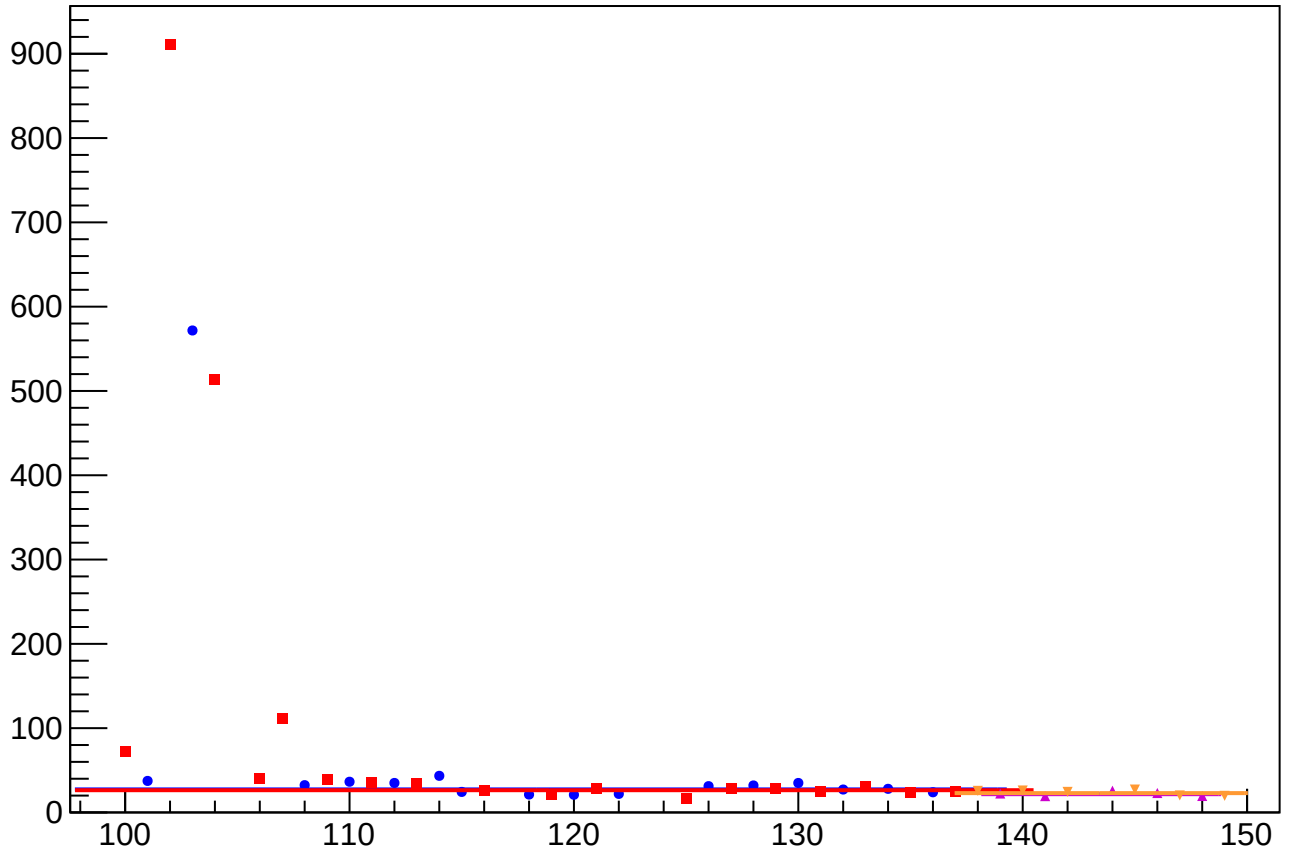
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.015+/-0.011 χ^2/NDF:5.3/4

+ sign -0.002+/-0.008 χ^2/NDF: 18.7/21

All: 0.002+/-0.006 χ^2/NDF: 35.6/44

- sign 0.006+/-0.008 χ^2/NDF: 16.3/22



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.940+/-0.008 χ^2/NDF:137385.4/5

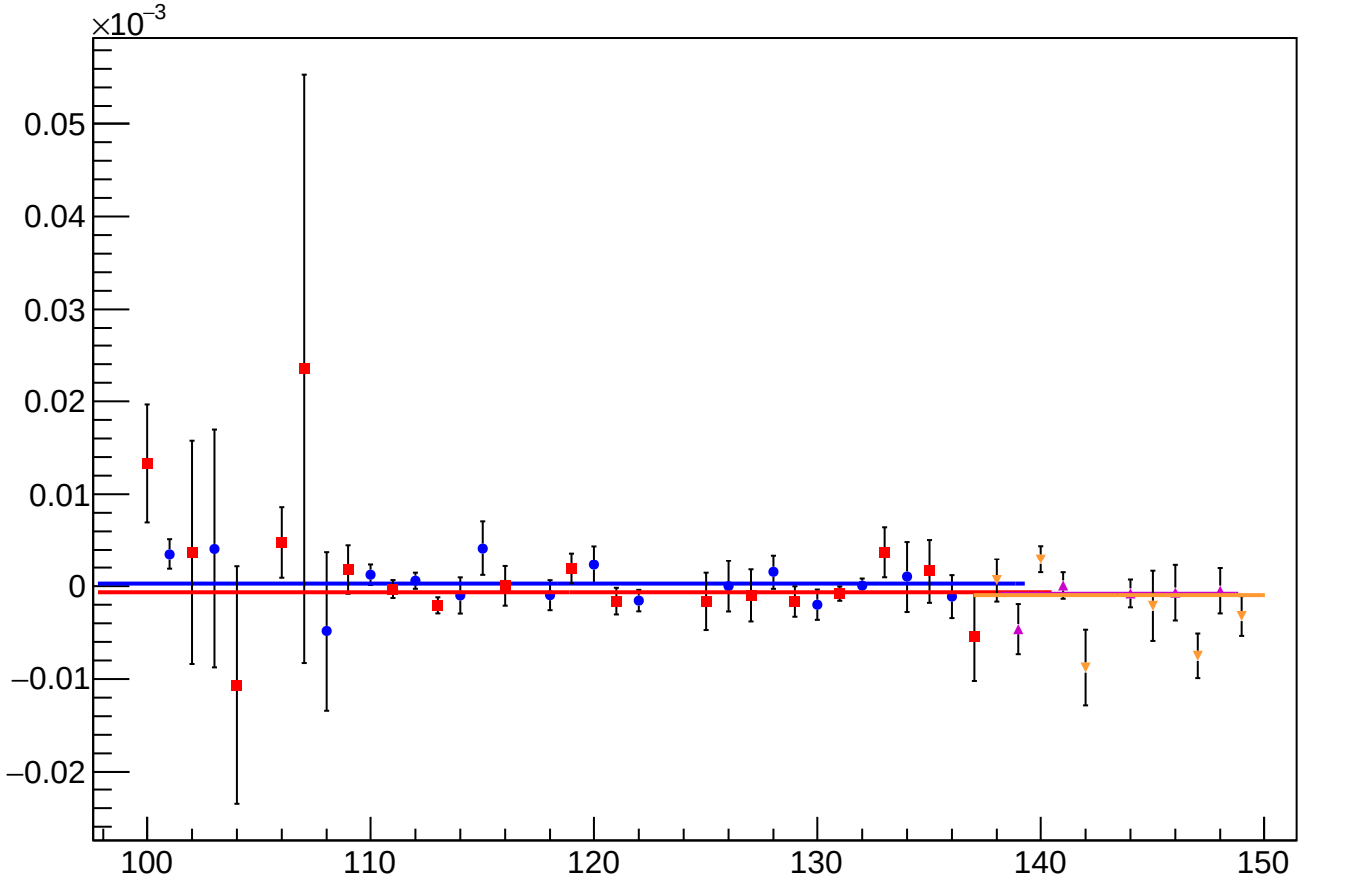
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.684+/-0.008 χ^2/NDF:84310.0/4

+ sign 25.140+/-0.006 χ^2/NDF: 1847197.6/21

All: 24.522+/-0.004 χ^2/NDF: 4732190.5/44

- 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:20.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

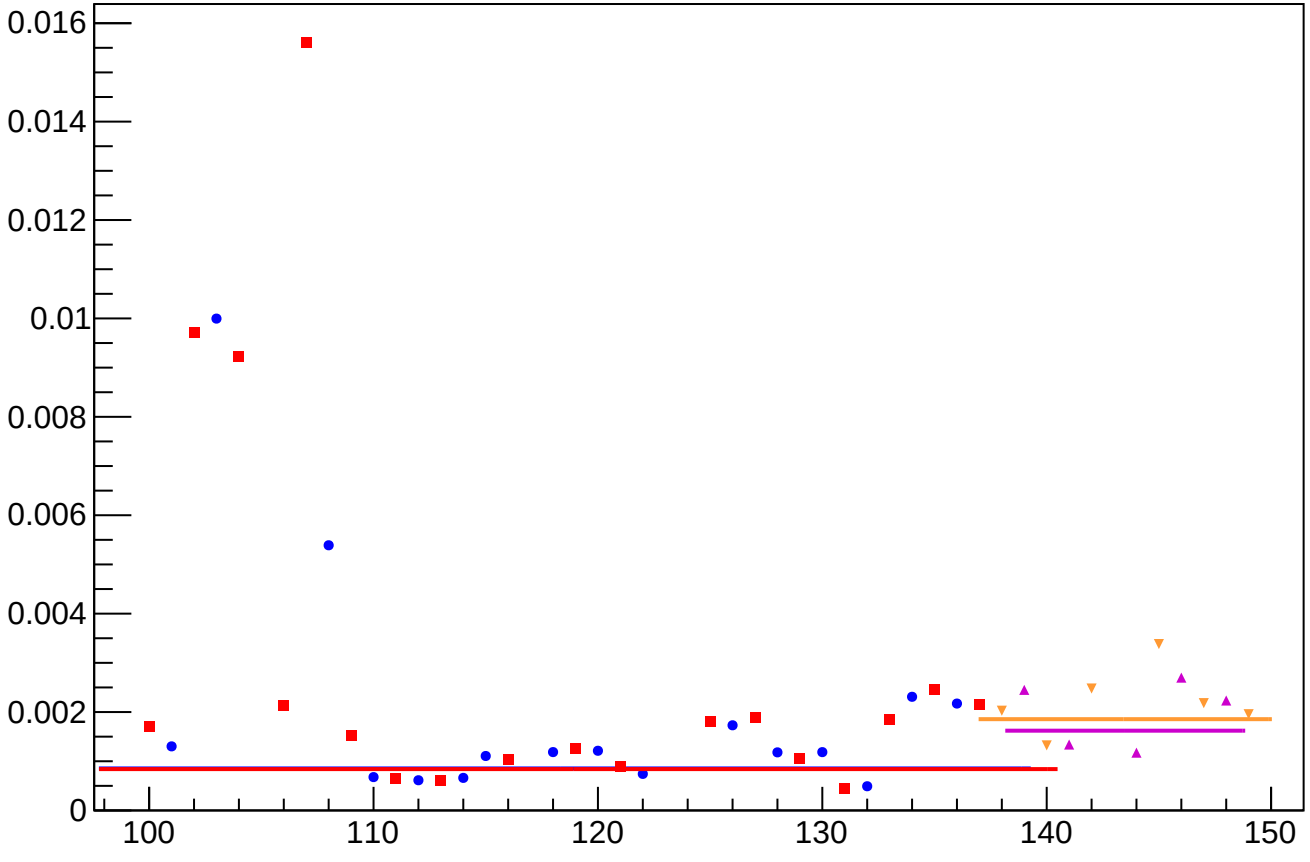
Left In: -0.000+/-0.000 χ^2/NDF:2.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/21

All: -0.000+/-0.000 χ^2/NDF: 60.3/44

- 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:697154.6/5

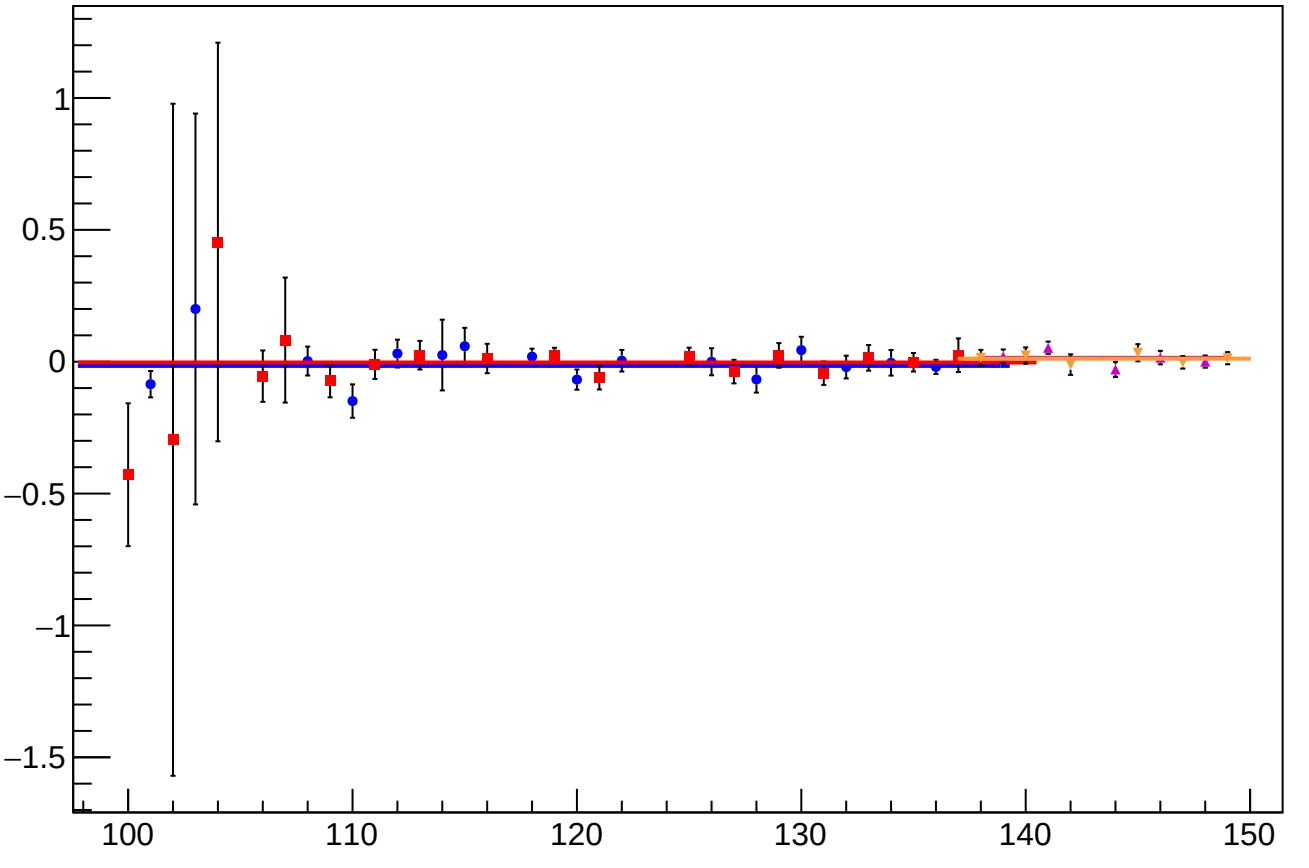
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:830009.2/4

+ sign 0.001+/-0.000 χ^2/NDF: 6601029.8/21

All: 0.001+/-0.000 χ^2/NDF: 13829344.0/44

- 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: 0.012+/-0.012 χ^2/NDF:1.3/5

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

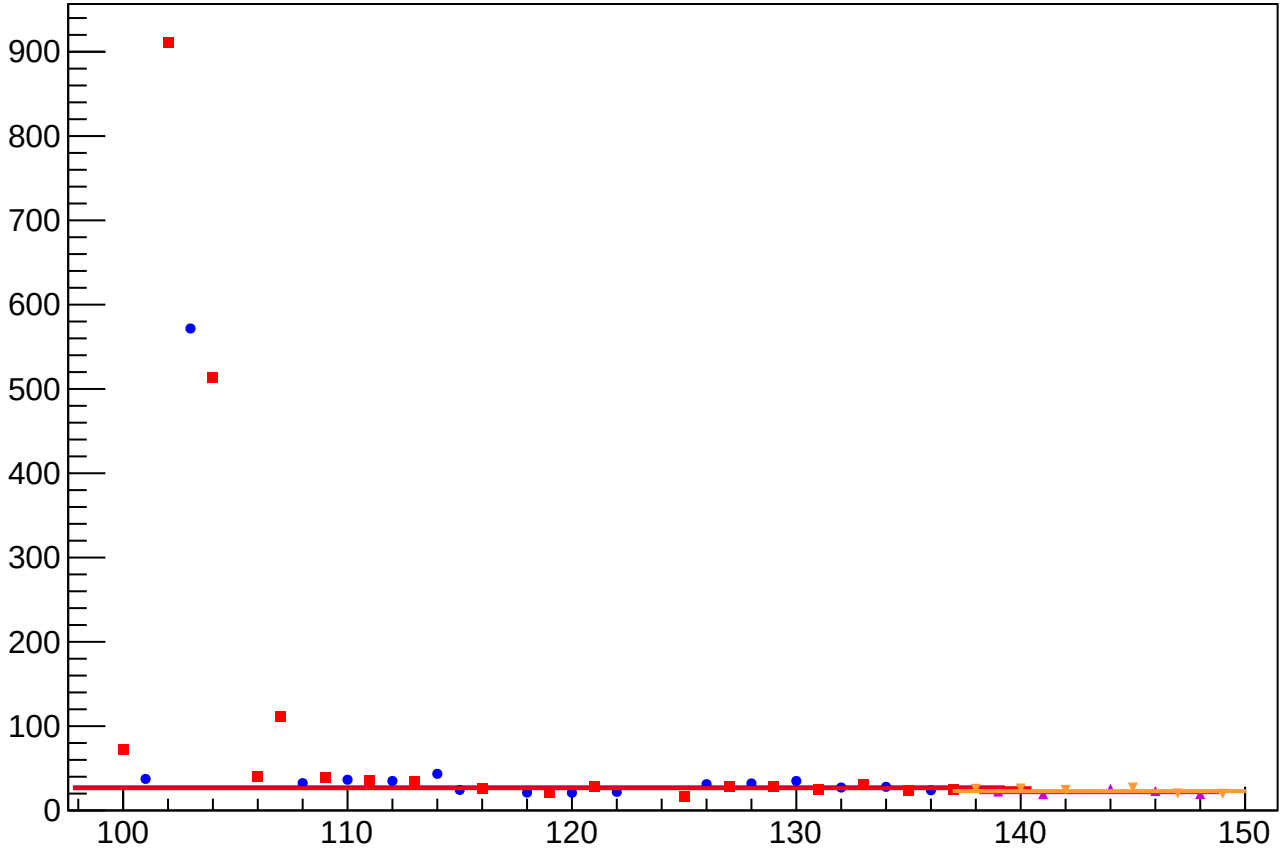
Left In: 0.015+/-0.011 χ^2/NDF:5.3/4

+ sign -0.002+/-0.008 χ^2/NDF: 18.7/21

All: 0.002+/-0.006 χ^2/NDF: 35.6/44

- sign 0.006+/-0.008 χ^2/NDF: 16.3/22

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.940+/-0.008 χ^2/NDF:137358.9/5

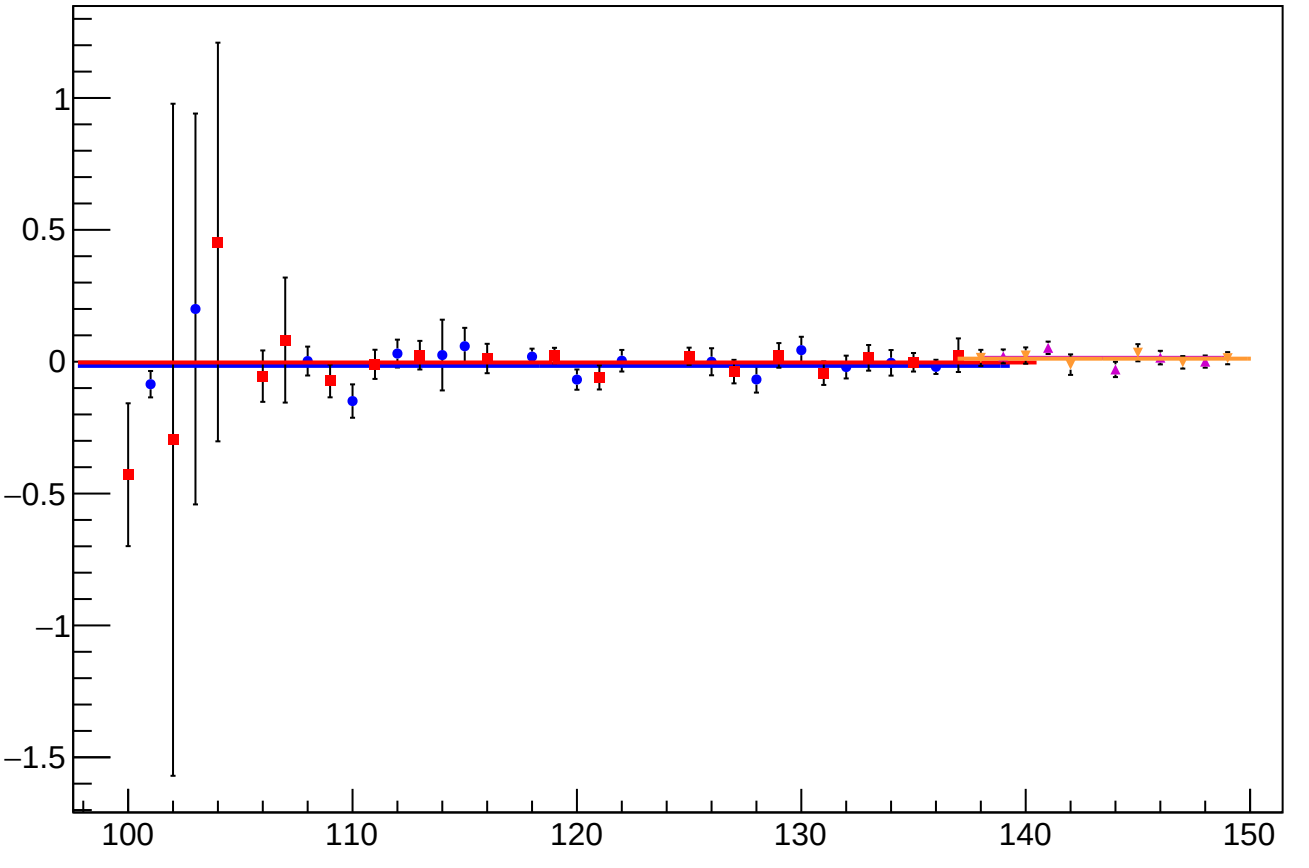
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.684+/-0.008 χ^2/NDF:84313.5/4

\+ sign 25.140+/-0.006 χ^2/NDF: 1847165.1/21

All: 24.522+/-0.004 χ^2/NDF: 4732195.5/44

\- sign 23.899+/-0.006 χ^2/NDF: 2862249.6/22



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.012 χ^2/NDF:1.3/5

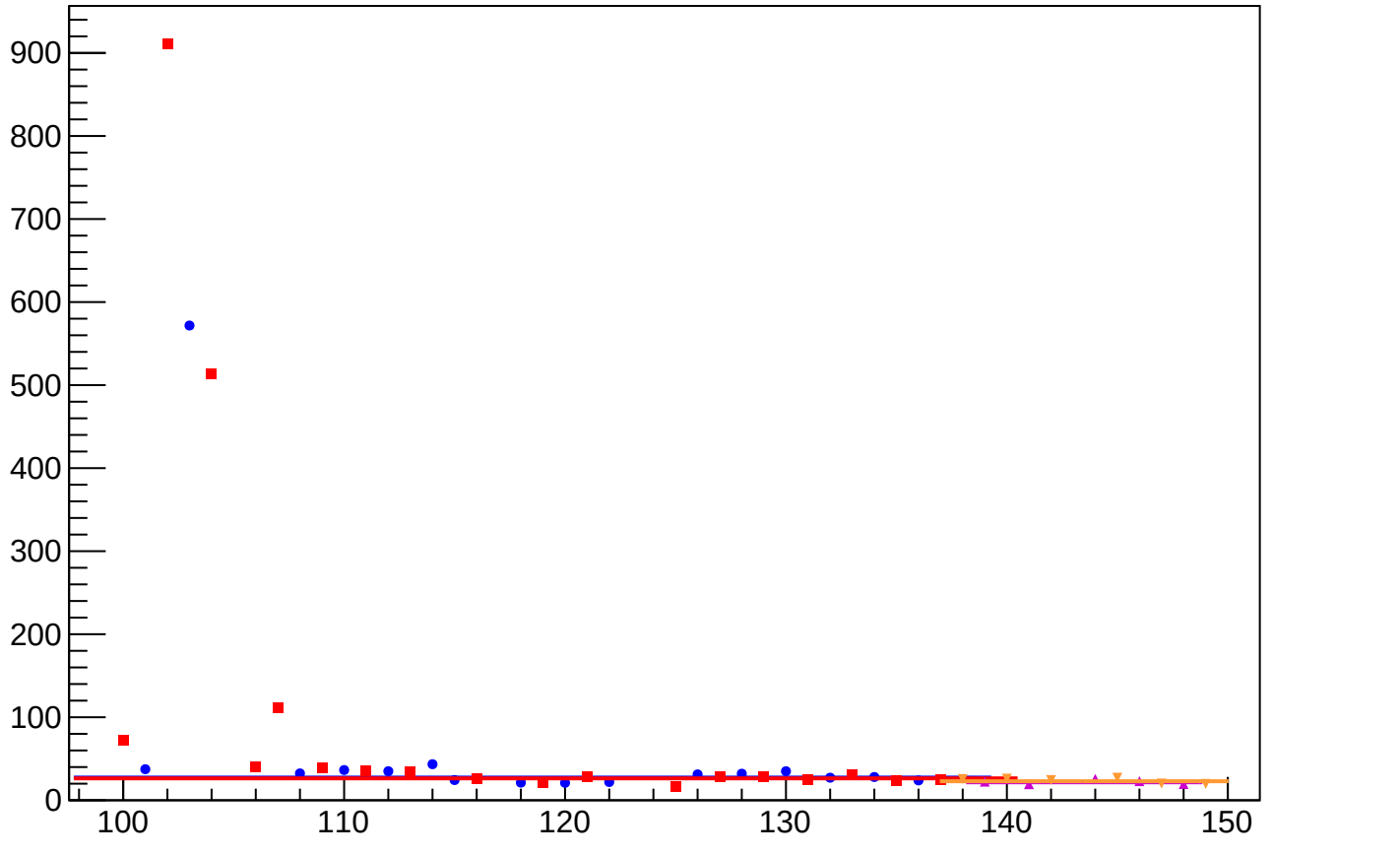
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.015+/-0.011 χ^2/NDF:5.3/4

+ sign -0.002+/-0.008 χ^2/NDF: 18.7/21

All: 0.002+/-0.006 χ^2/NDF: 35.6/44

- sign 0.006+/-0.008 χ^2/NDF: 16.3/22



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.940+/-0.008 χ^2/NDF:137358.9/5

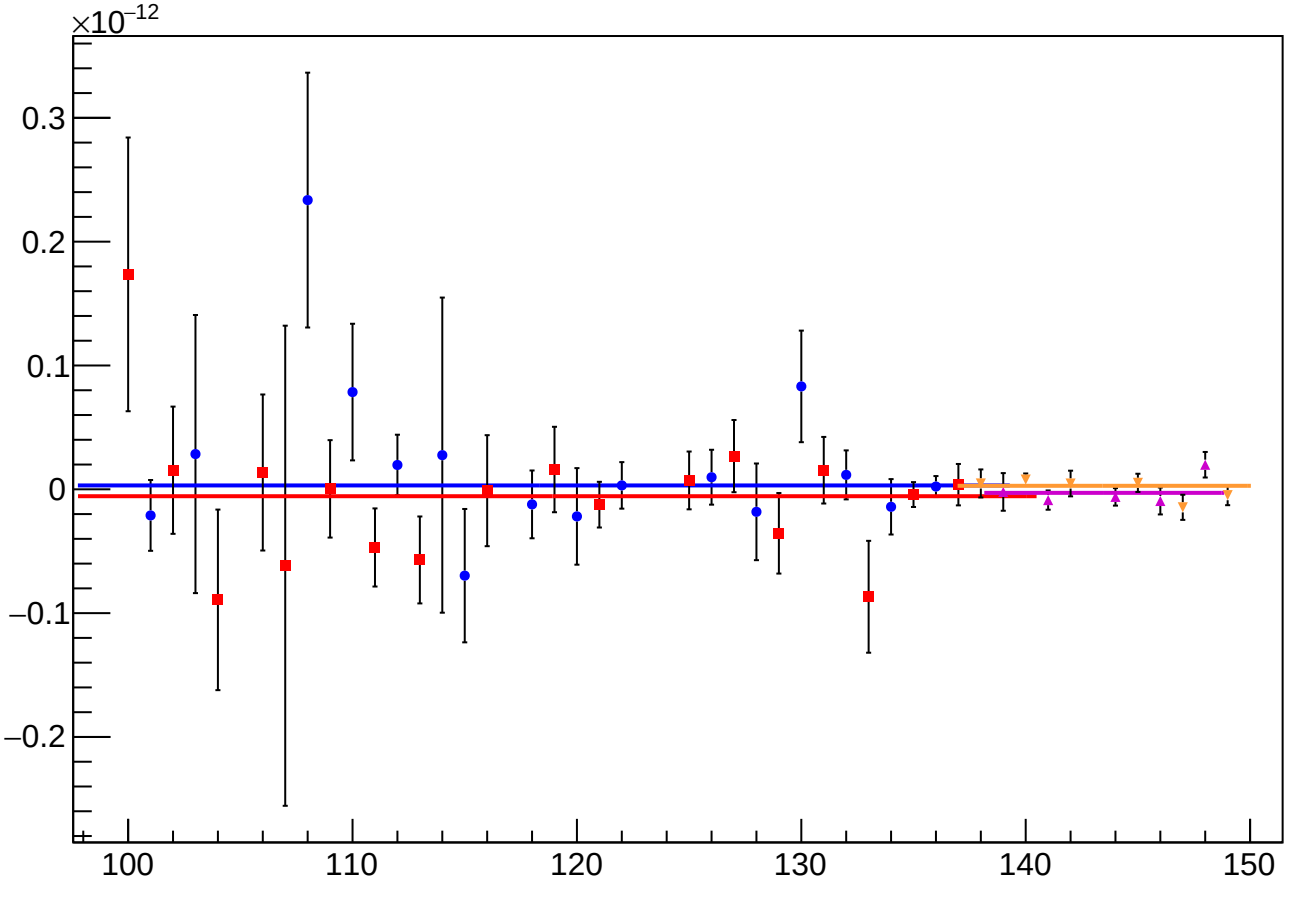
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.684+/-0.008 χ^2/NDF:84313.5/4

+ sign 25.140+/-0.006 χ^2/NDF: 1847165.1/21

All: 24.522+/-0.004 χ^2/NDF: 4732195.5/44

- 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:5.0/5

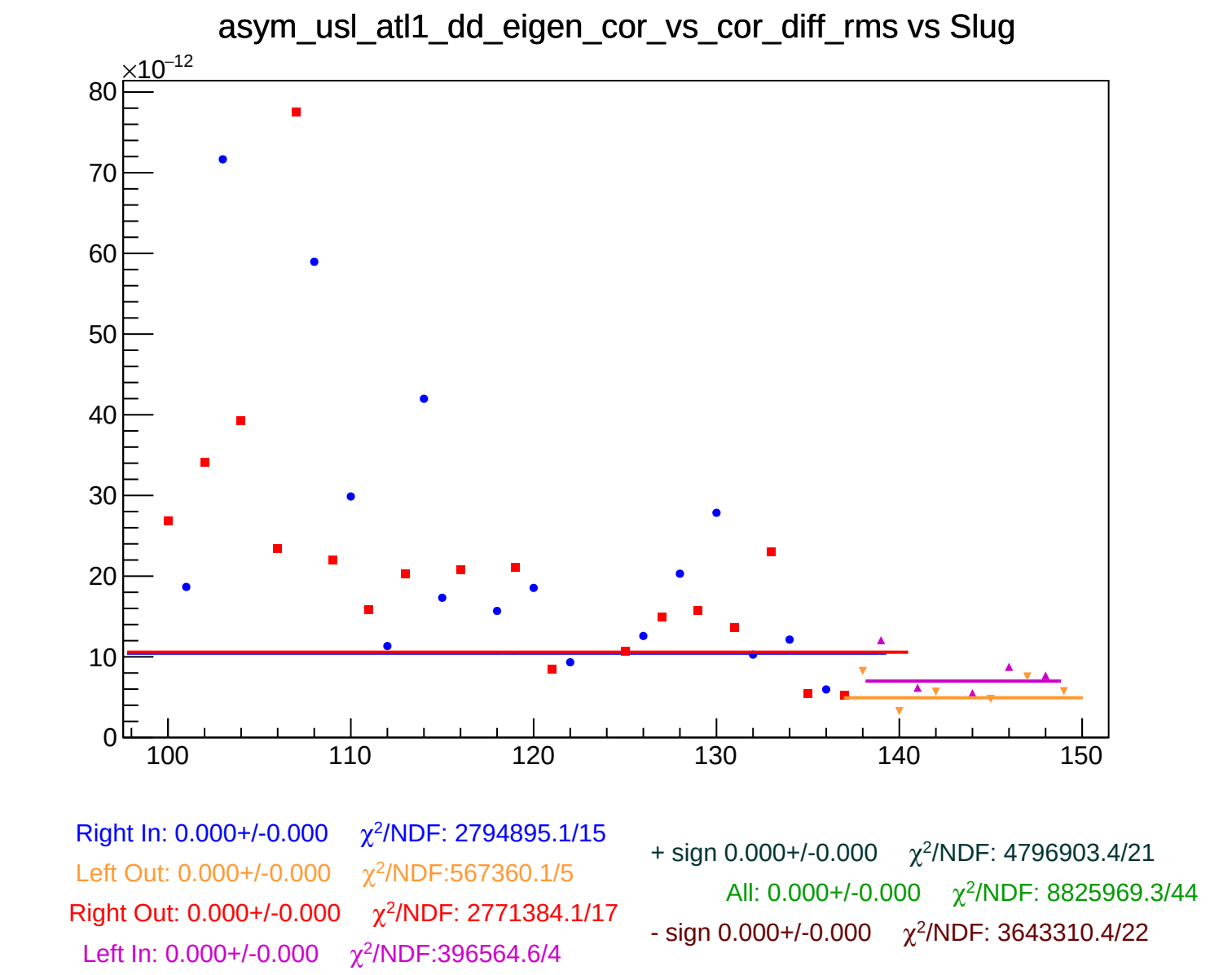
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:6.0/4

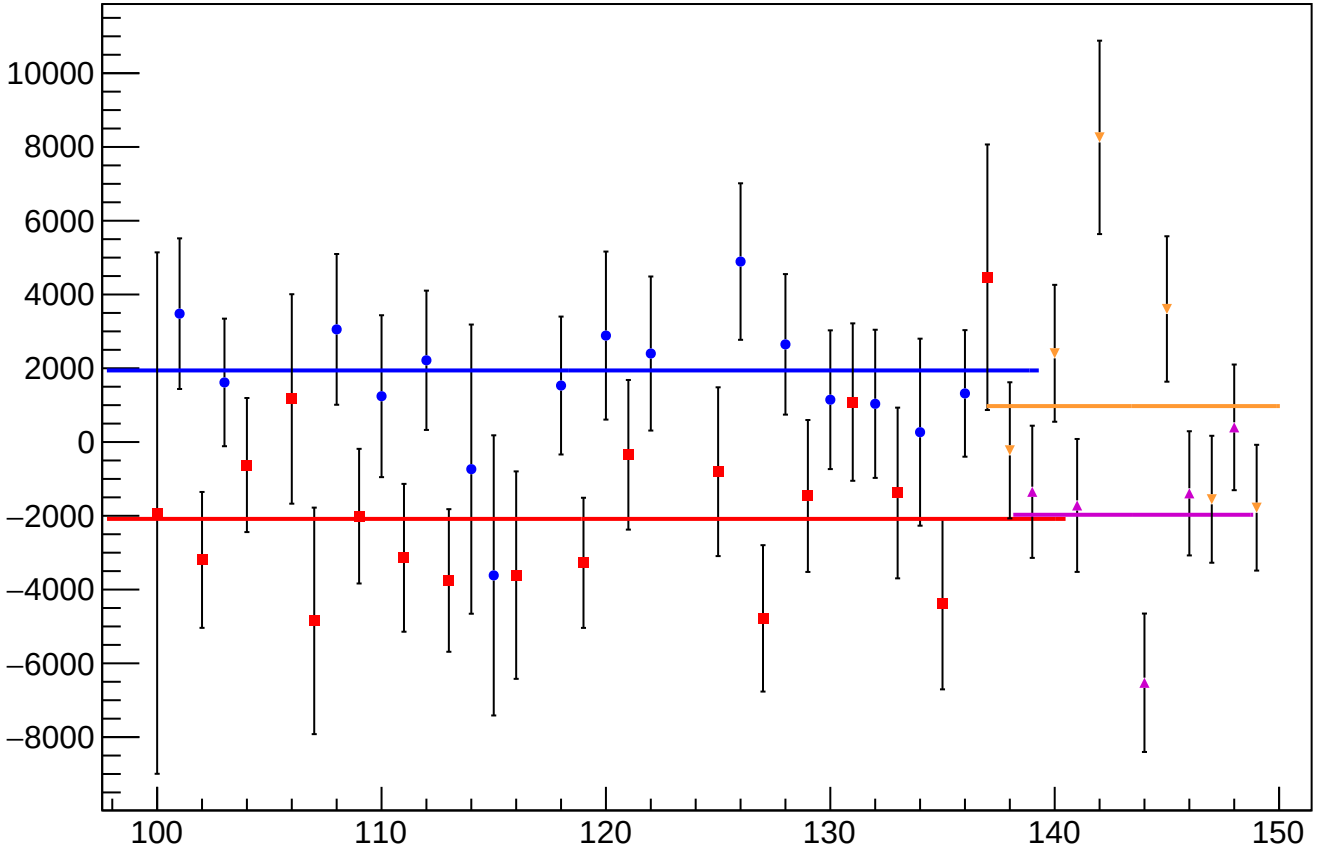
+ sign 0.000+/-0.000 χ^2/NDF: 20.1/21

All: 0.000+/-0.000 χ^2/NDF: 43.7/44

- 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:567360.1/5
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: 4796903.4/21
All: 0.000+/-0.000 χ²/NDF: 8825969.3/44
- 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: 974.577+/-774.251 χ^2/NDF:15.3/5

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

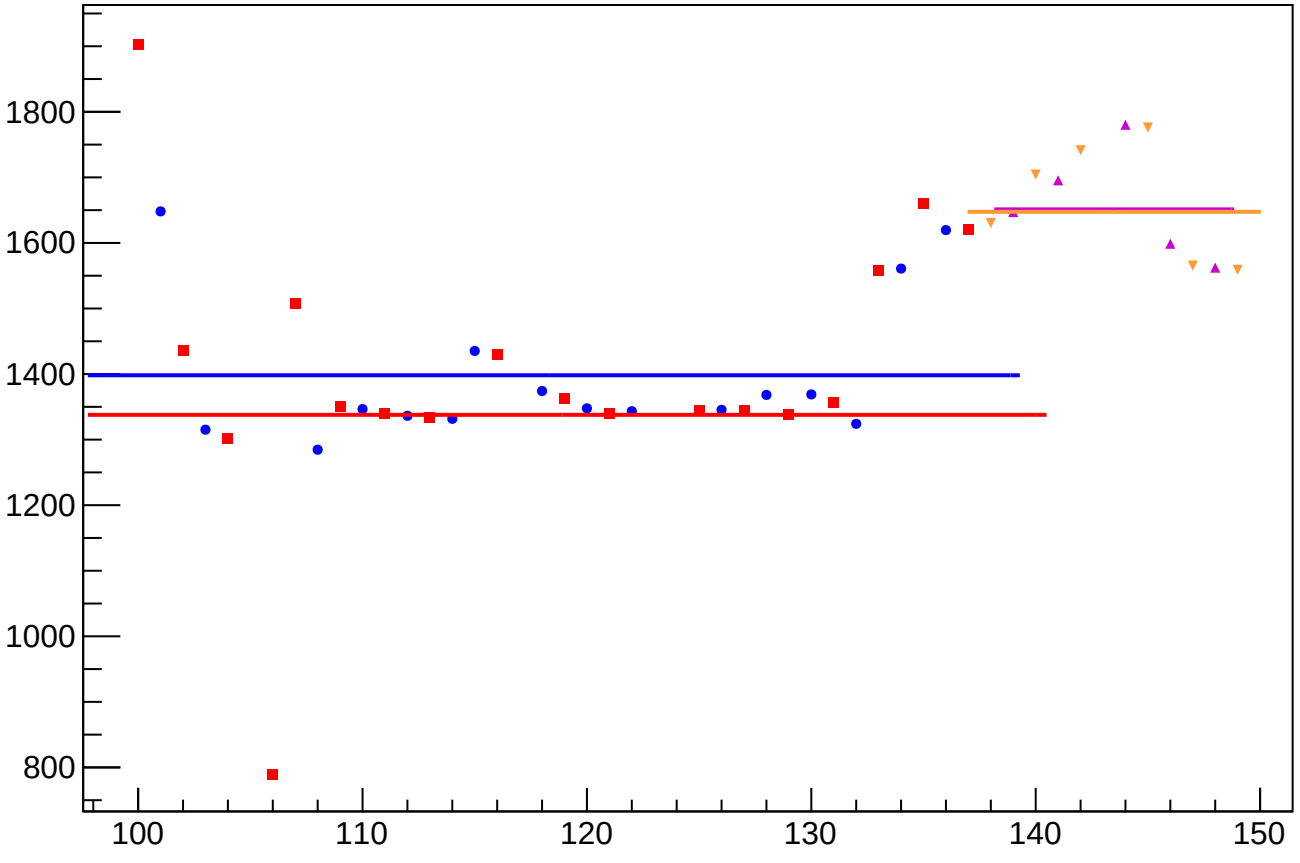
Left In: -1972.084+/-790.410 χ^2/NDF:8.1/4

+ sign 1638.838+/-432.919 χ^2/NDF: 23.3/21

All: -200.332+/-306.563 χ^2/NDF: 82.1/44

- 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: 1647.516+/-0.547 χ^2/NDF:23049.8/5

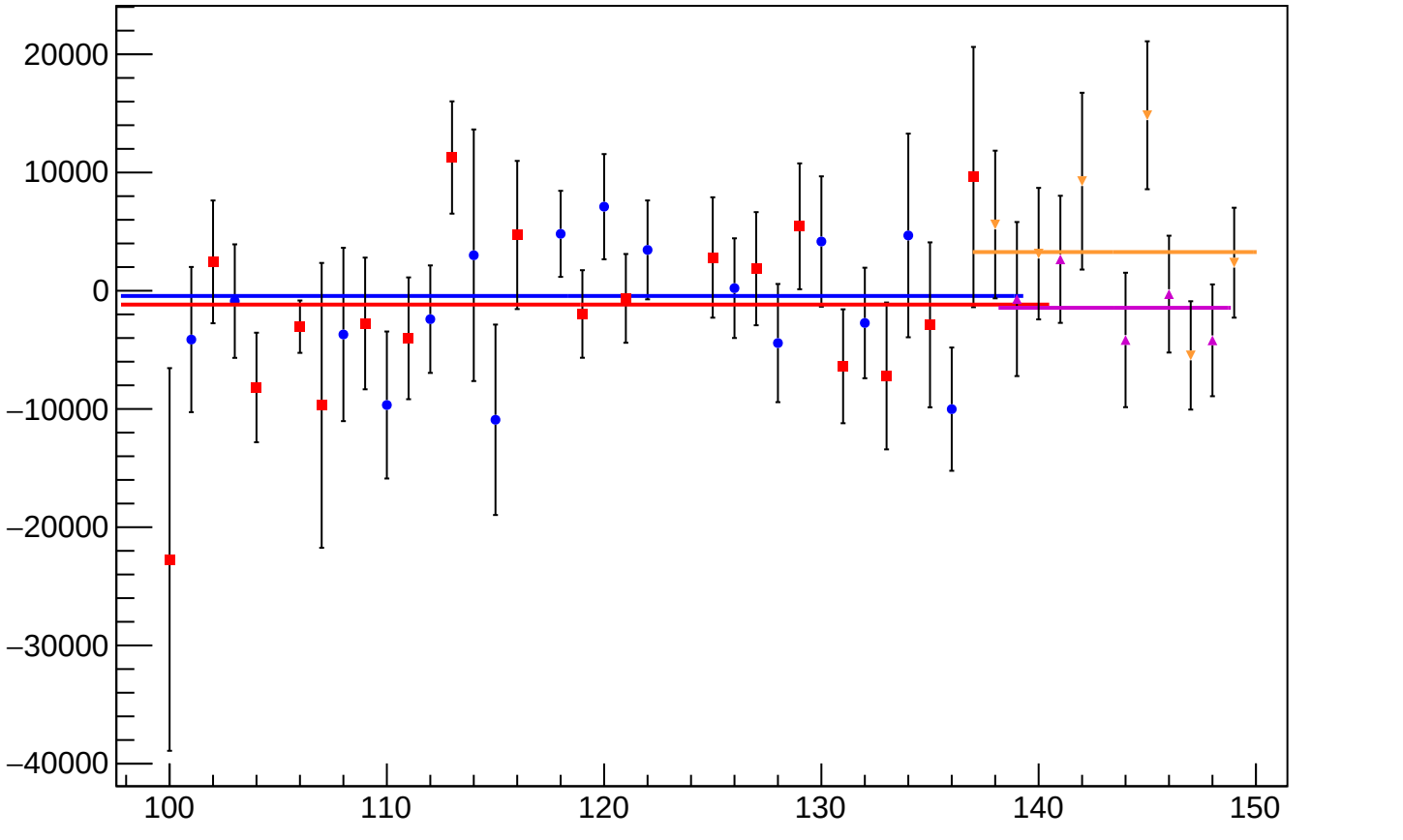
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1651.175+/-0.559 χ^2/NDF:18063.5/4

+ sign 1476.120+/-0.306 χ^2/NDF: 259562.0/21

All: 1451.706+/-0.214 χ^2/NDF: 831516.0/44

- 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: 3272.368+/-2262.568 χ^2/NDF:7.9/5

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

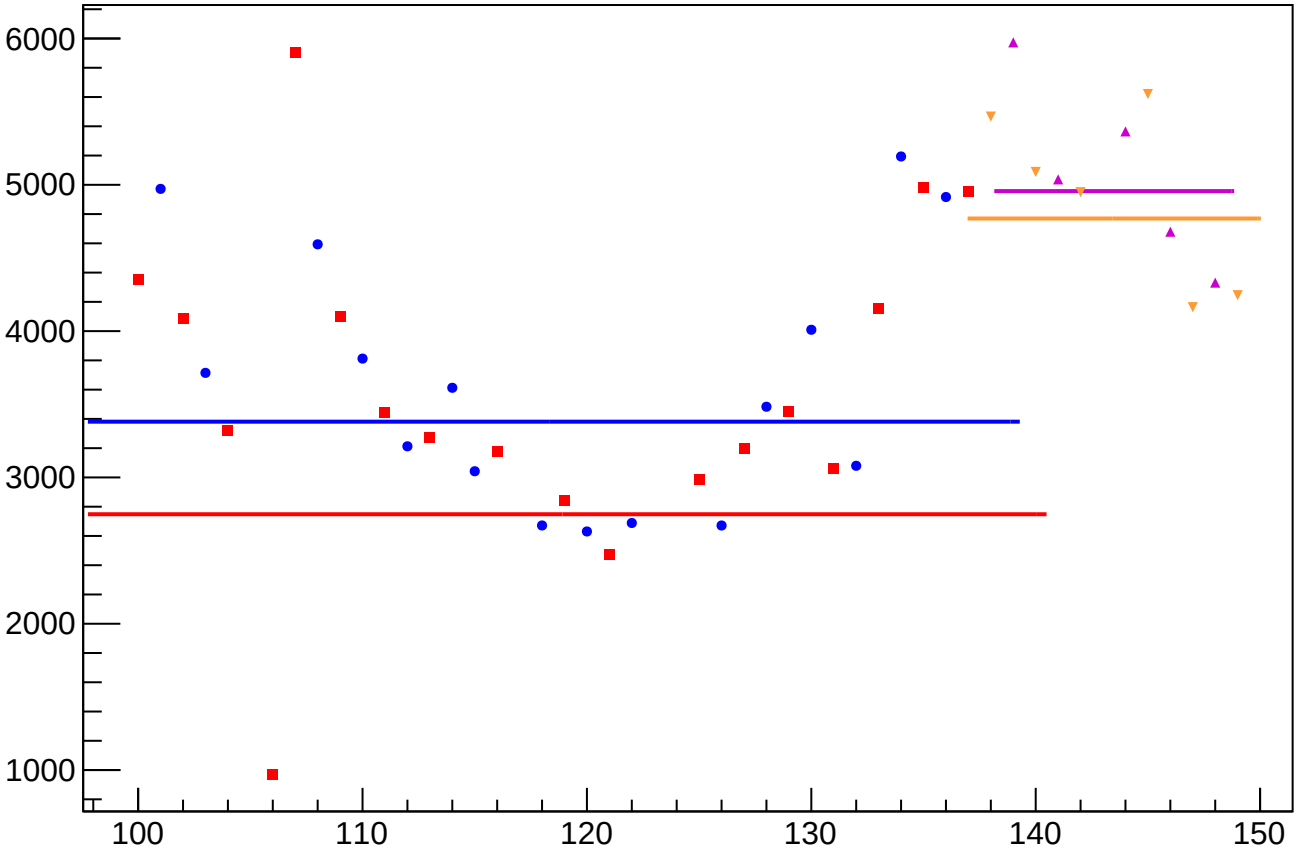
Left In: -1445.063+/-2392.081 χ^2/NDF:1.2/4

+ sign 476.175+/-1124.523 χ^2/NDF: 25.8/21

All: -459.537+/-753.157 χ^2/NDF: 48.0/44

- 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: 4769.663+/-1.600 χ^2/NDF:130031.3/5

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

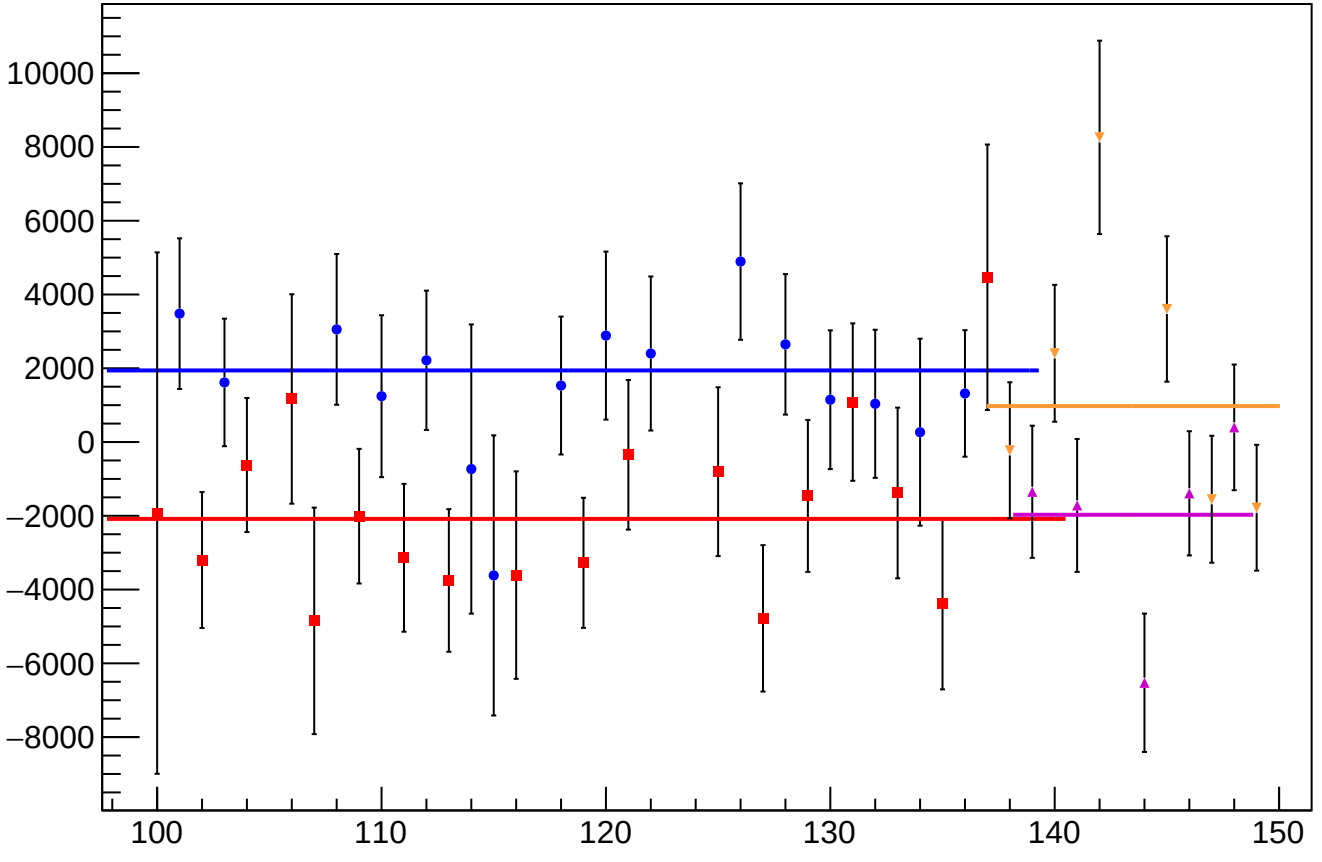
Left In: 4957.111+/-1.691 χ^2/NDF:100745.8/4

+ sign 3724.117+/-0.795 χ^2/NDF: 1454370.2/21

All: 3405.025+/-0.533 χ^2/NDF: 5510336.8/44

- 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: 974.646+/-774.251 χ^2/NDF:15.3/5

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

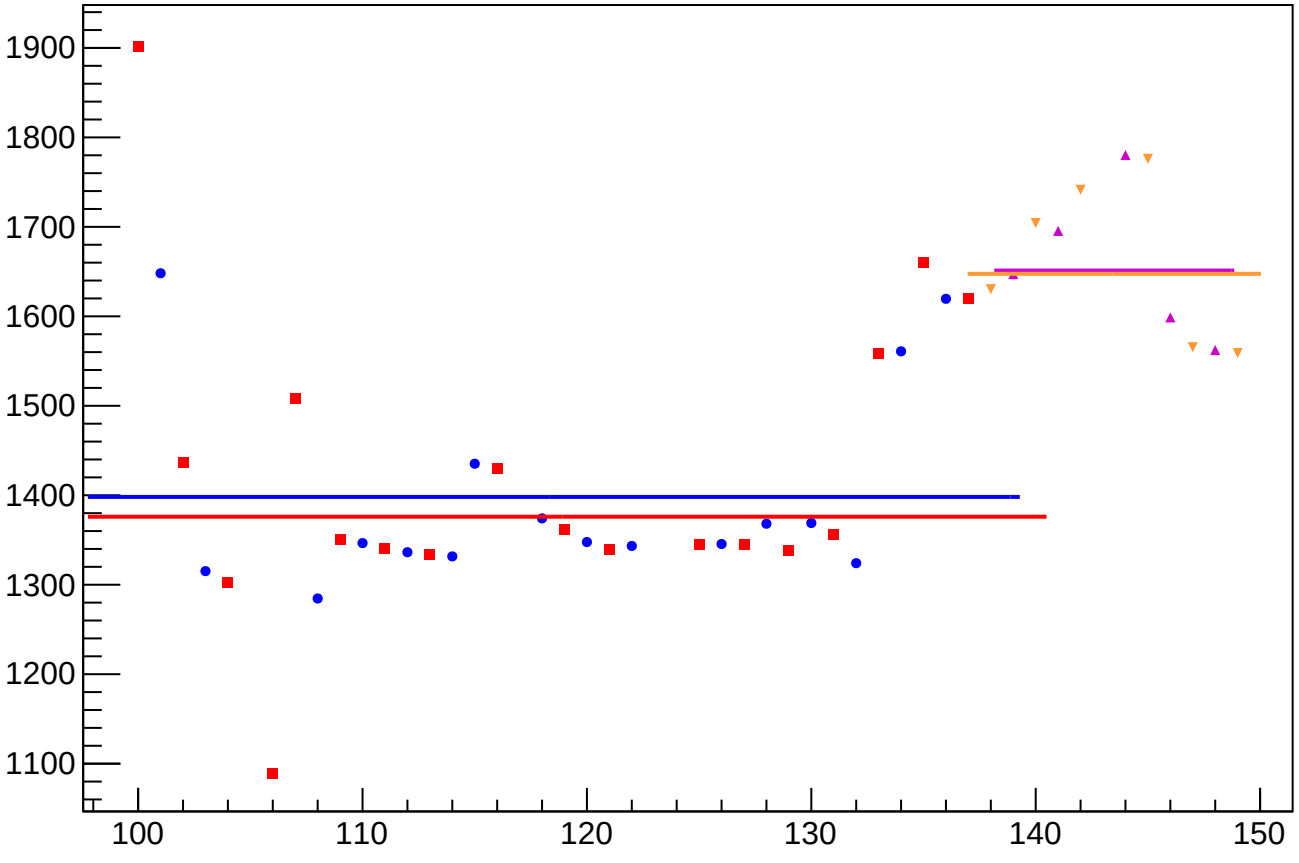
Left In: -1972.141+/-790.410 χ^2/NDF:8.1/4

+ sign 1638.897+/-432.919 χ^2/NDF: 23.3/21

All: -200.378+/-306.564 χ^2/NDF: 82.1/44

- 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: 1647.516+/-0.547 χ^2/NDF:23049.8/5

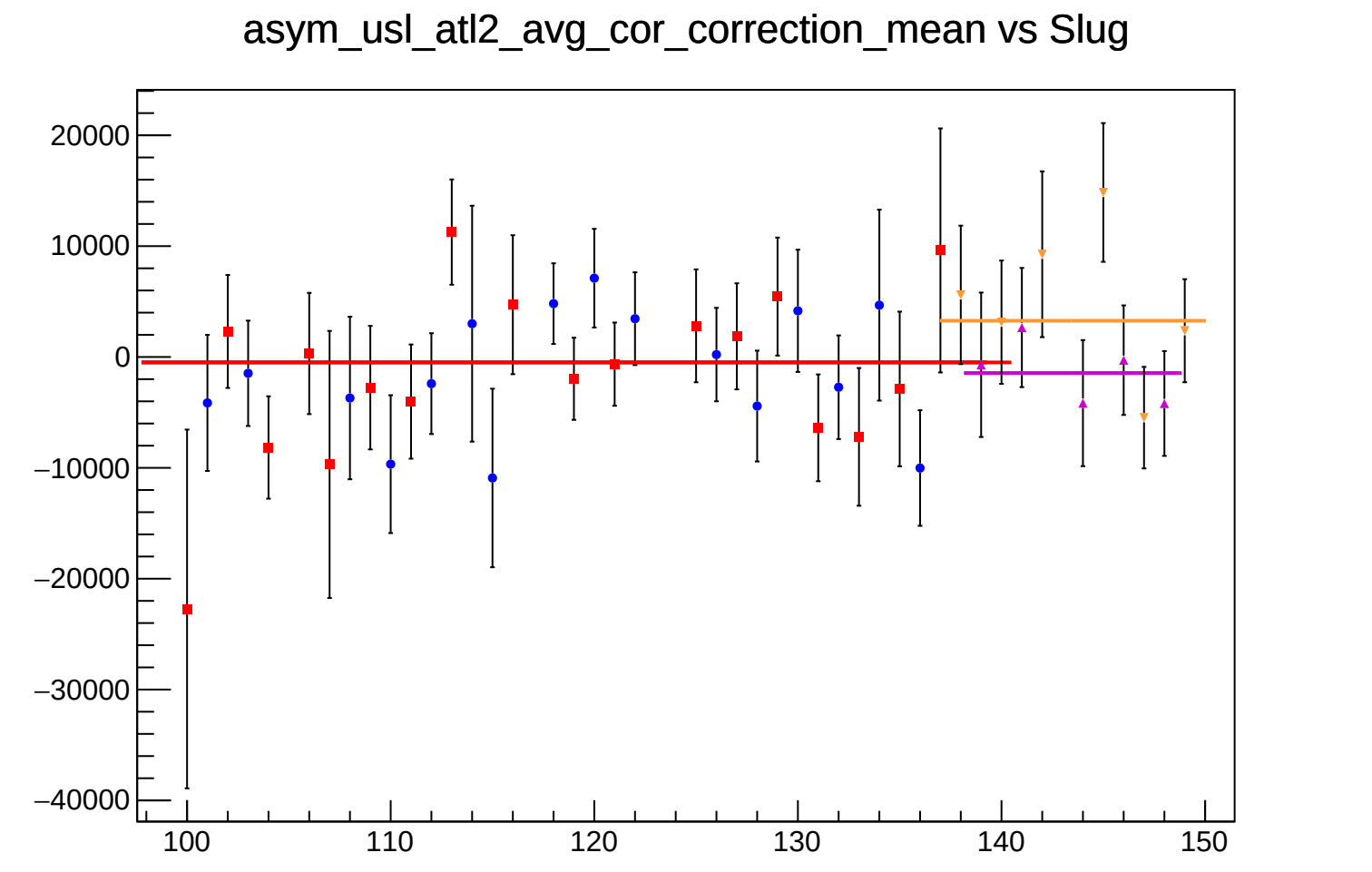
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1651.175+/-0.559 χ^2/NDF:18063.5/4

+ sign 1476.120+/-0.306 χ^2/NDF: 259562.1/21

All: 1466.751+/-0.216 χ^2/NDF: 564116.7/44

- 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: 3272.367+/-2262.569 χ^2/NDF:7.9/5

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

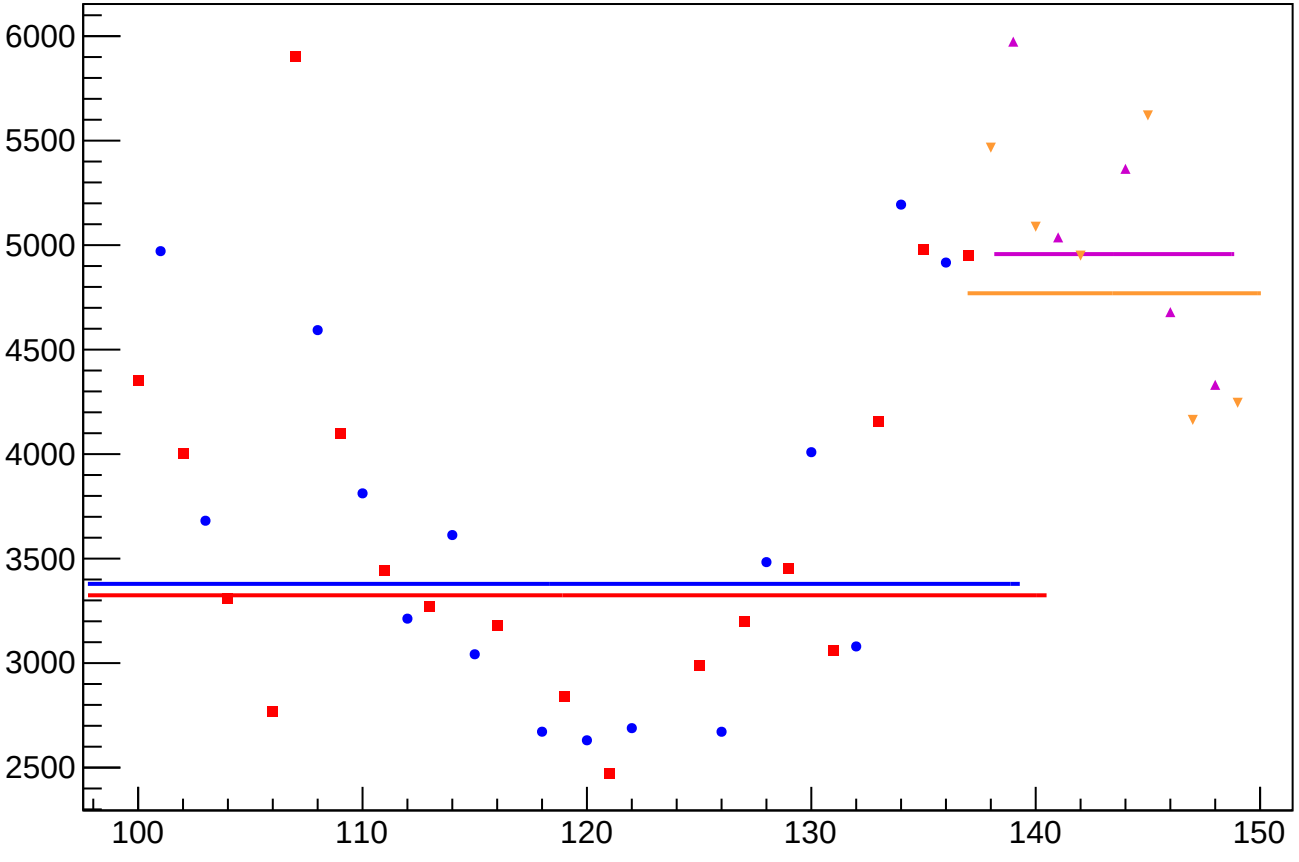
Left In: -1445.055+/-2392.079 χ^2/NDF:1.2/4

+ sign 440.907+/-1123.879 χ^2/NDF: 25.9/21

All: -132.029+/-791.800 χ^2/NDF: 46.5/44

- 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: 4769.664+/-1.600 χ^2/NDF:130030.9/5

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

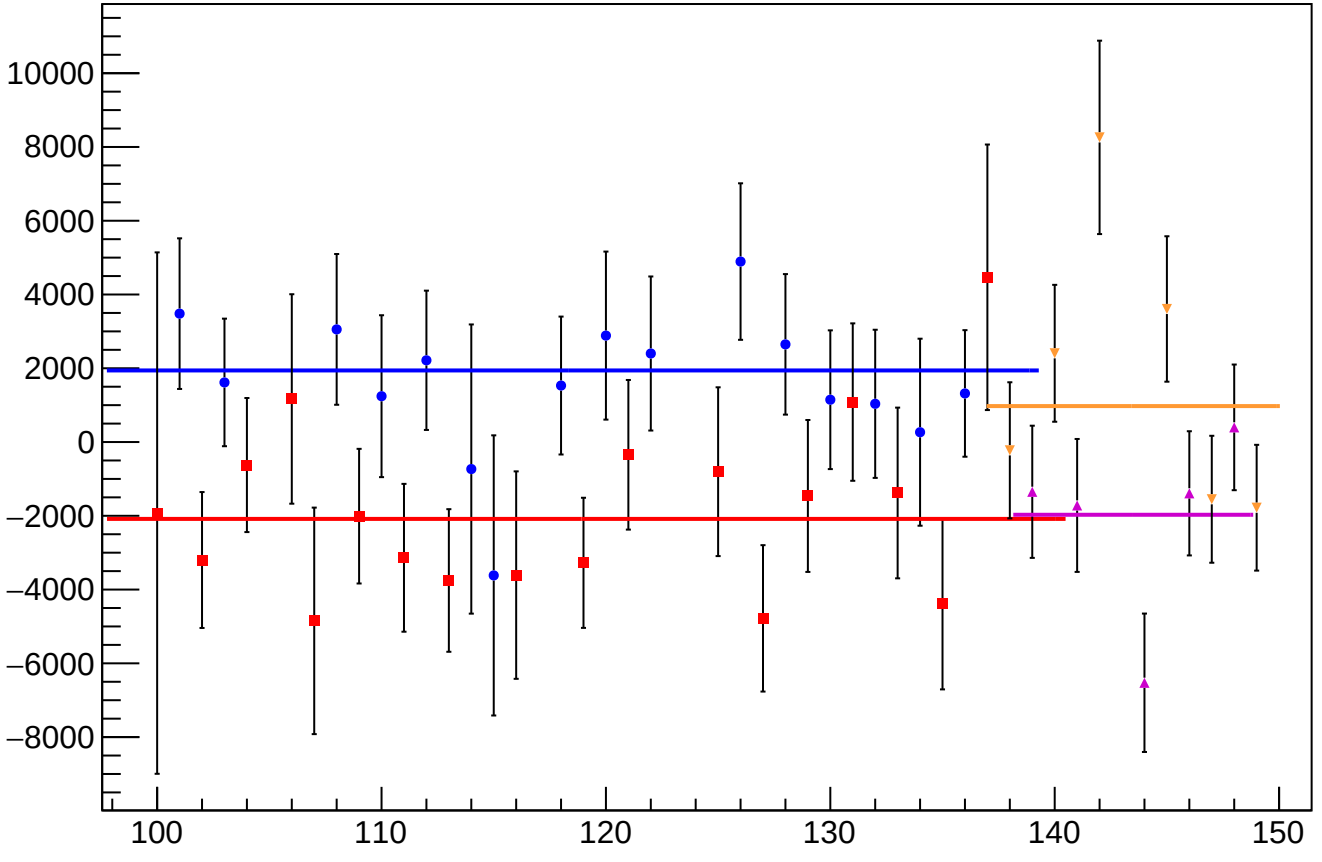
Left In: 4957.106+/-1.691 χ^2/NDF:100746.0/4

+ sign 3722.212+/-0.795 χ^2/NDF: 1454418.3/21

All: 3700.766+/-0.560 χ^2/NDF: 2829422.3/44

- 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: 974.646+/-774.251 χ^2/NDF:15.3/5

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

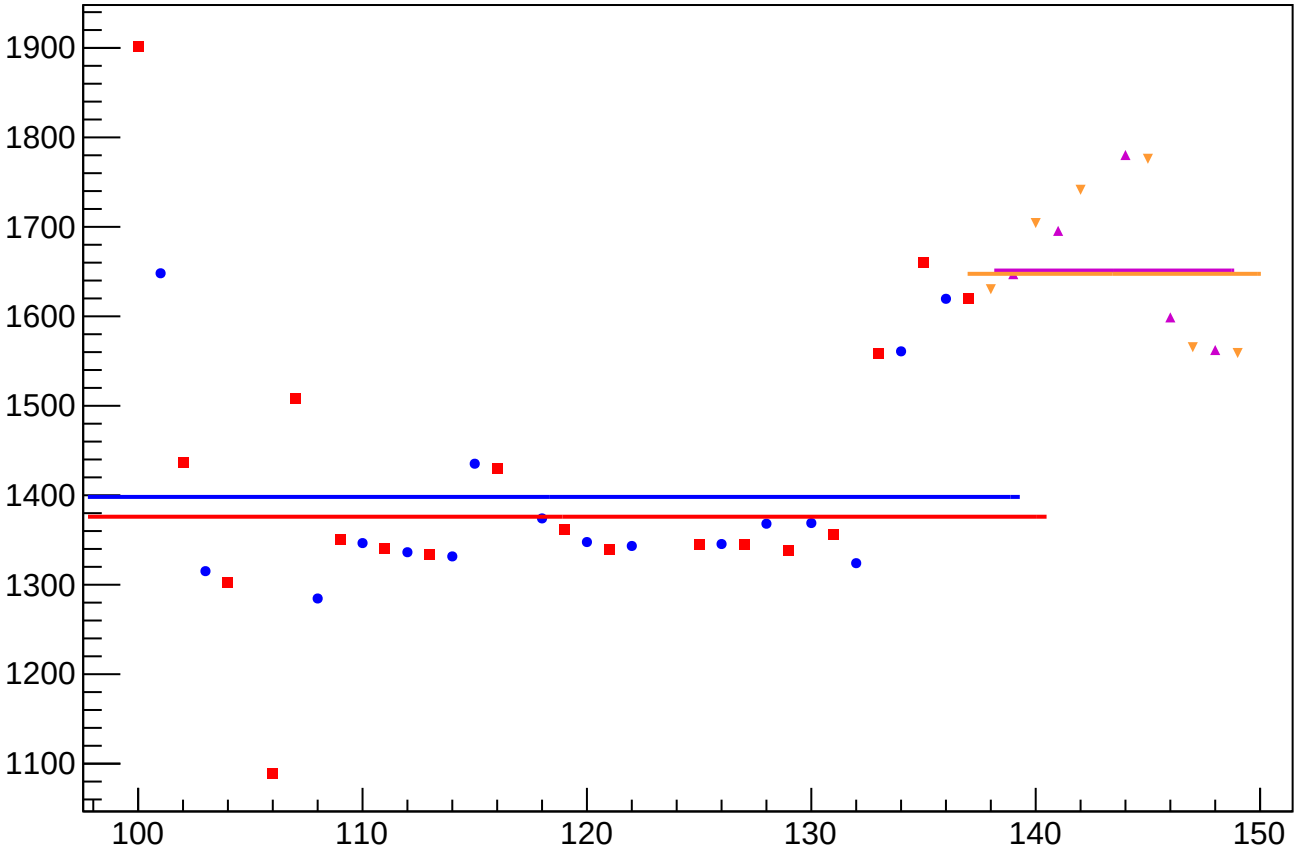
Left In: -1972.141+/-790.410 χ^2/NDF:8.1/4

+ sign 1638.897+/-432.919 χ^2/NDF: 23.3/21

All: -200.378+/-306.564 χ^2/NDF: 82.1/44

- 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: 1647.516+/-0.547 χ^2/NDF:23049.8/5

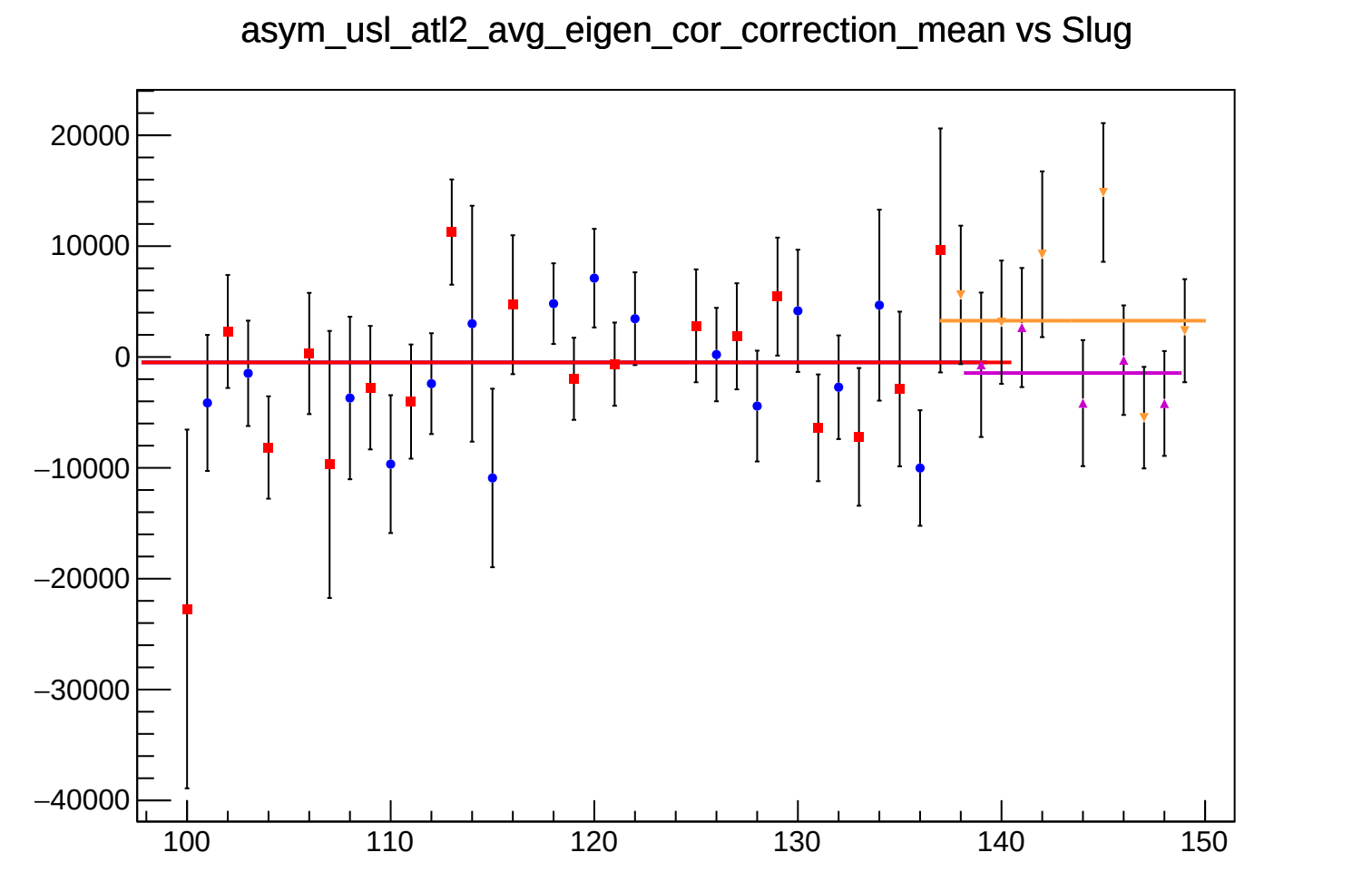
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1651.175+/-0.559 χ^2/NDF:18063.5/4

+ sign 1476.120+/-0.306 χ^2/NDF: 259562.1/21

All: 1466.751+/-0.216 χ^2/NDF: 564116.7/44

- 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: 3272.367+/-2262.569 χ^2/NDF:7.9/5

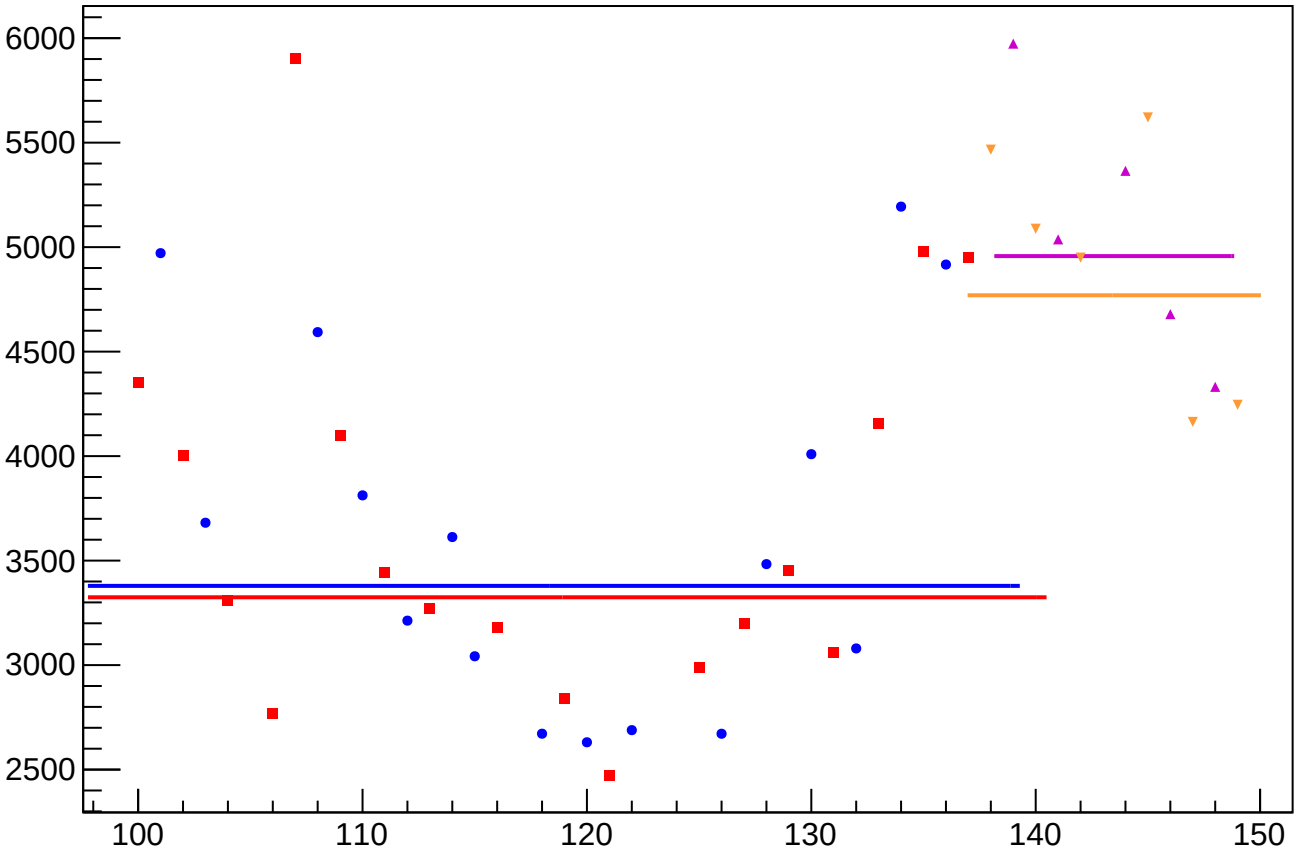
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1445.055+/-2392.079 χ^2/NDF:1.2/4

+ sign 440.907+/-1123.879 χ^2/NDF: 25.9/21

All: -132.029+/-791.800 χ^2/NDF: 46.5/44

- 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: 4769.664+/-1.600 χ^2/NDF:130030.9/5

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

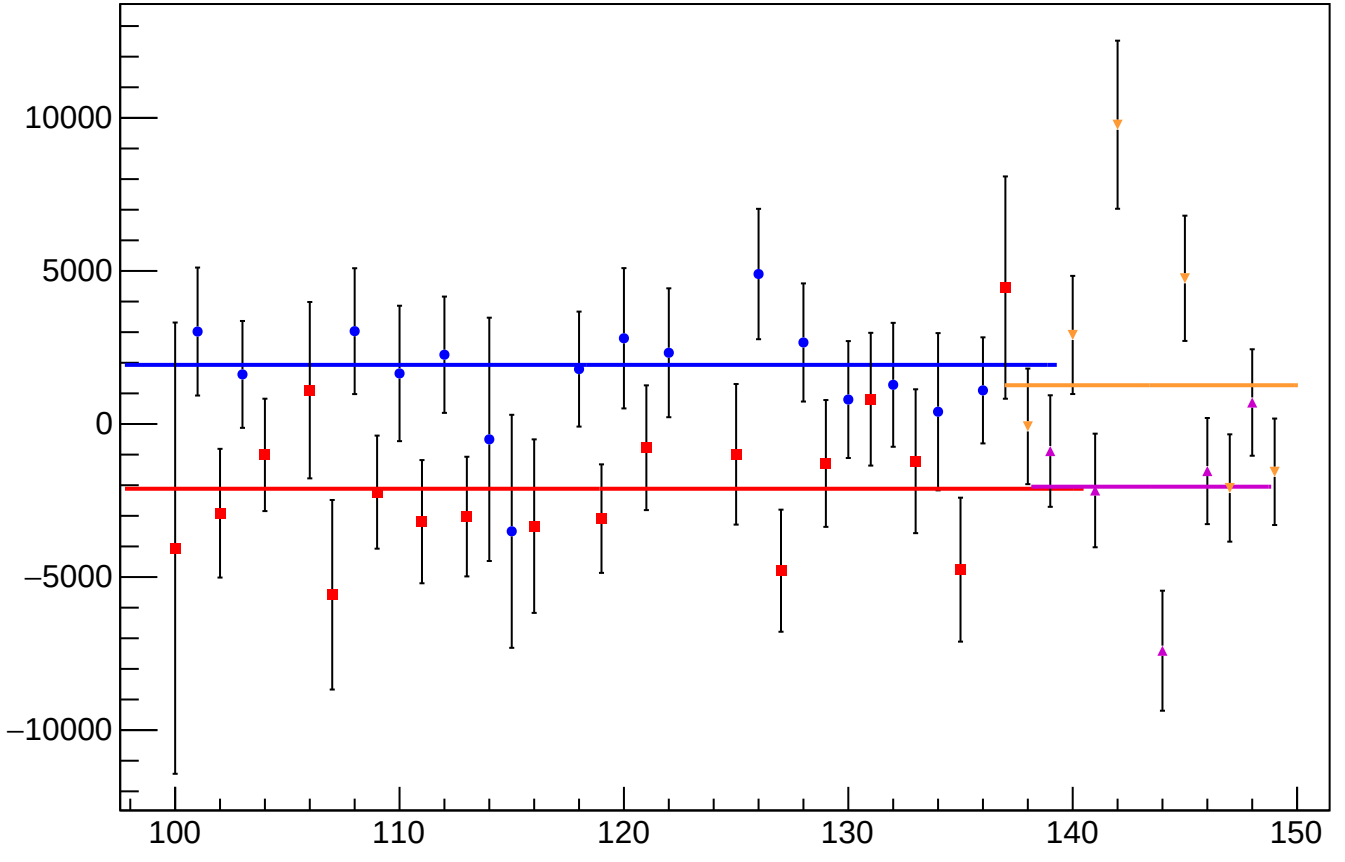
Left In: 4957.106+/-1.691 χ^2/NDF:100746.0/4

+ sign 3722.212+/-0.795 χ^2/NDF: 1454418.3/21

All: 3700.766+/-0.560 χ^2/NDF: 2829422.3/44

- sign 3679.630+/-0.789 χ^2/NDF: 1373558.0/22

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1266.223+/-796.407 χ^2/NDF:20.1/5

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

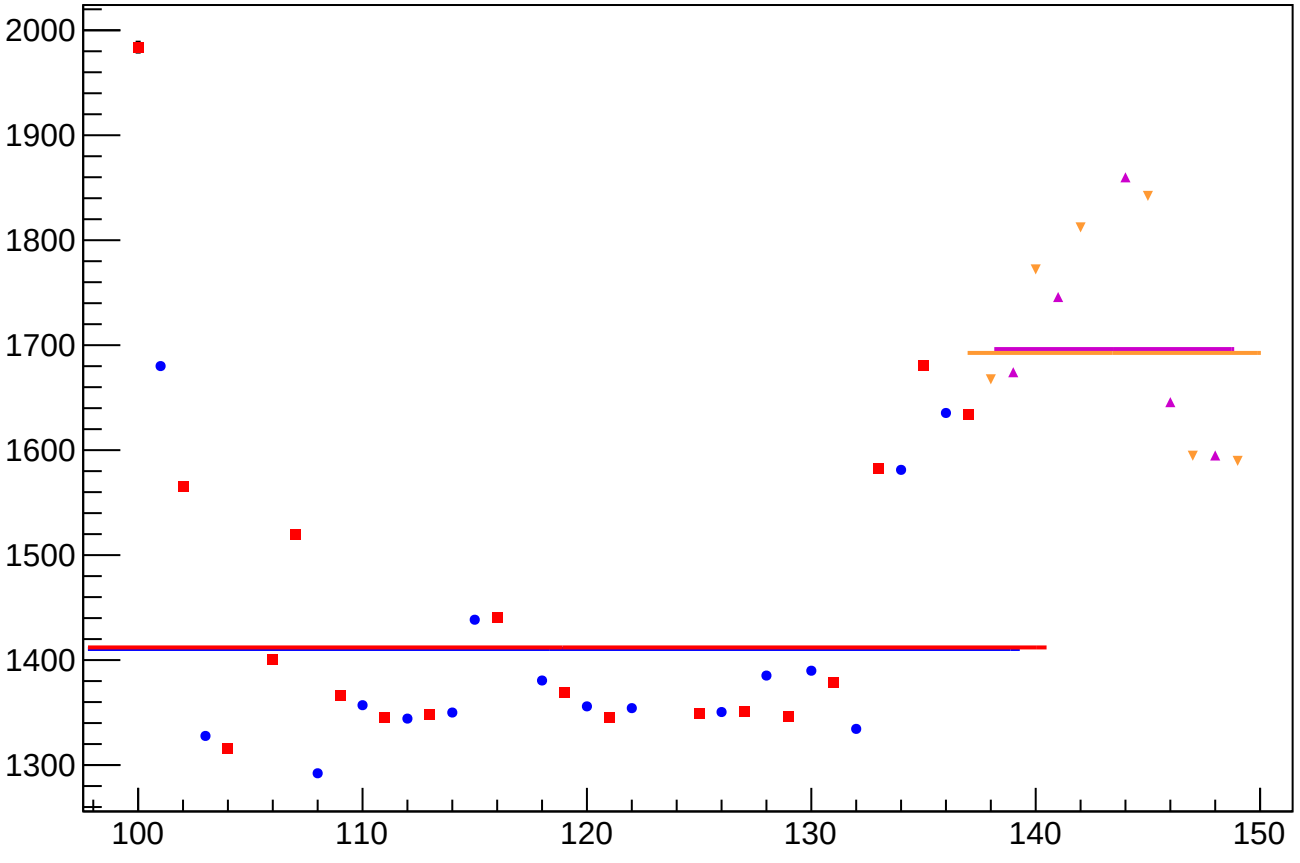
Left In: -2048.155+/-812.389 χ^2/NDF:10.5/4

+ sign 1728.856+/-439.569 χ^2/NDF: 26.9/21

All: -167.535+/-312.093 χ^2/NDF: 88.1/44

- 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: 1692.630+/-0.563 χ^2/NDF:31474.6/5

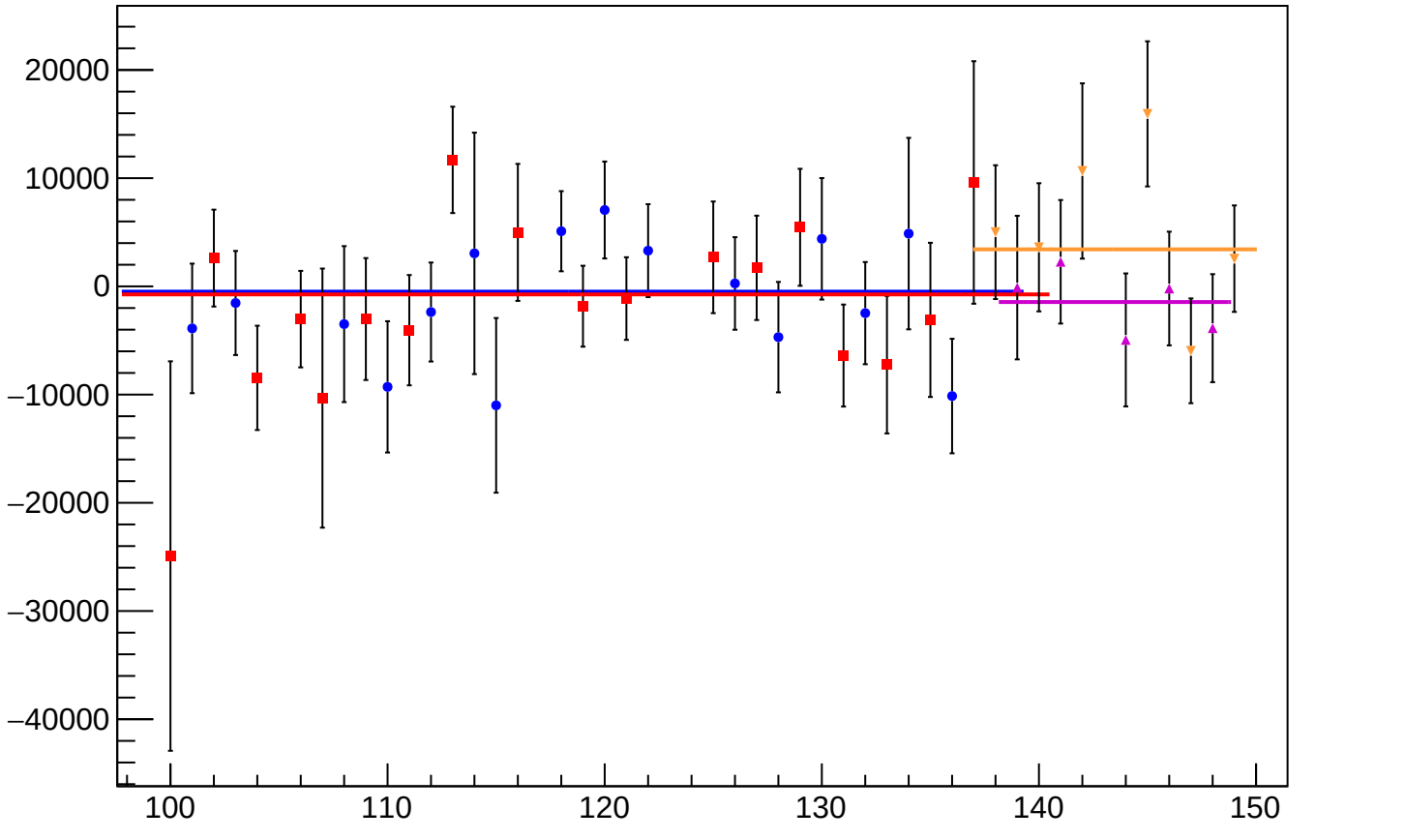
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1696.293+/-0.574 χ^2/NDF:24152.4/4

+ sign 1496.514+/-0.311 χ^2/NDF: 305035.9/21

All: 1496.419+/-0.220 χ^2/NDF: 591142.9/44

- 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: 3421.714+/-2382.662 χ^2/NDF:8.1/5

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

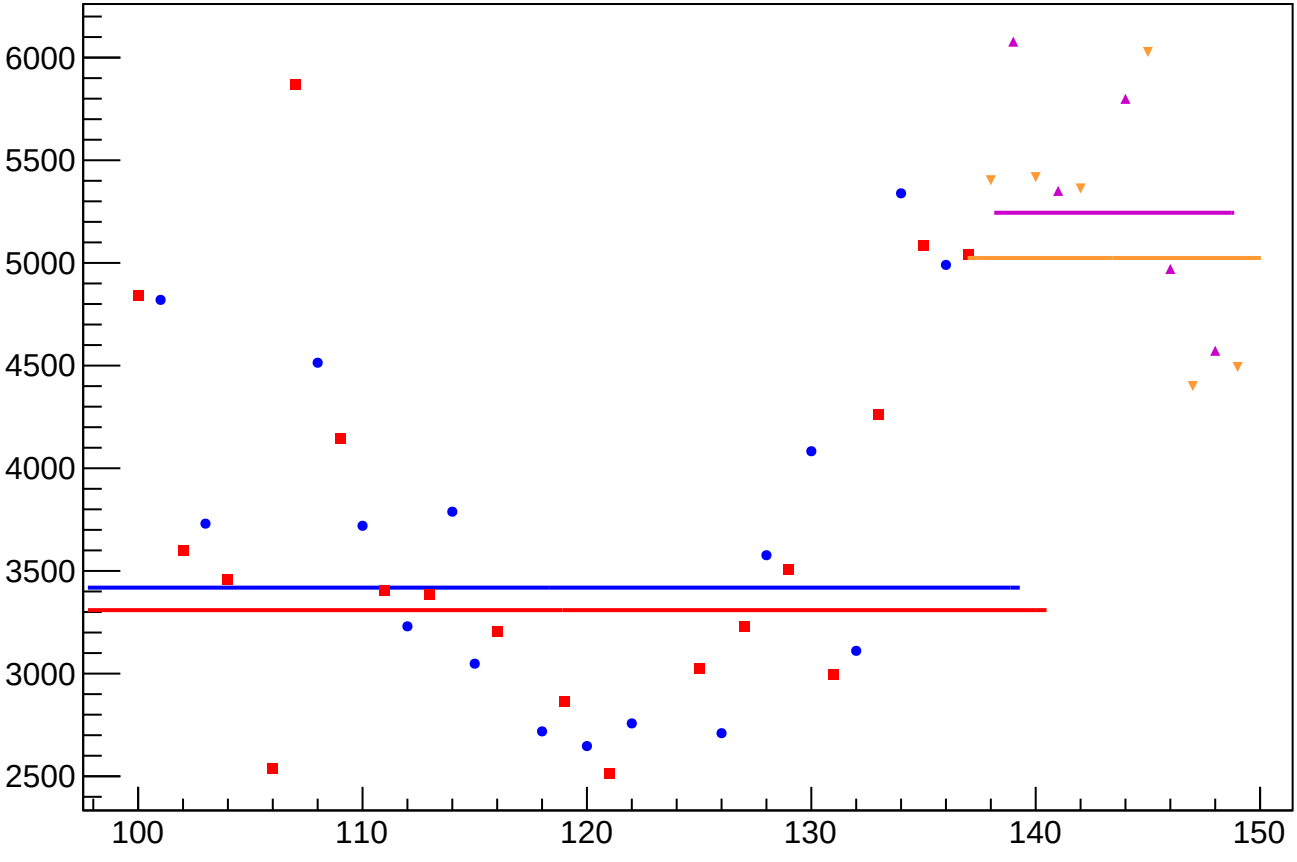
Left In: -1446.156+/-2529.911 χ^2/NDF:1.1/4

+ sign 417.052+/-1147.056 χ^2/NDF: 26.0/21

All: -246.740+/-801.058 χ^2/NDF: 47.0/44

- 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: 5024.173+/-1.685 χ^2/NDF:121105.1/5

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

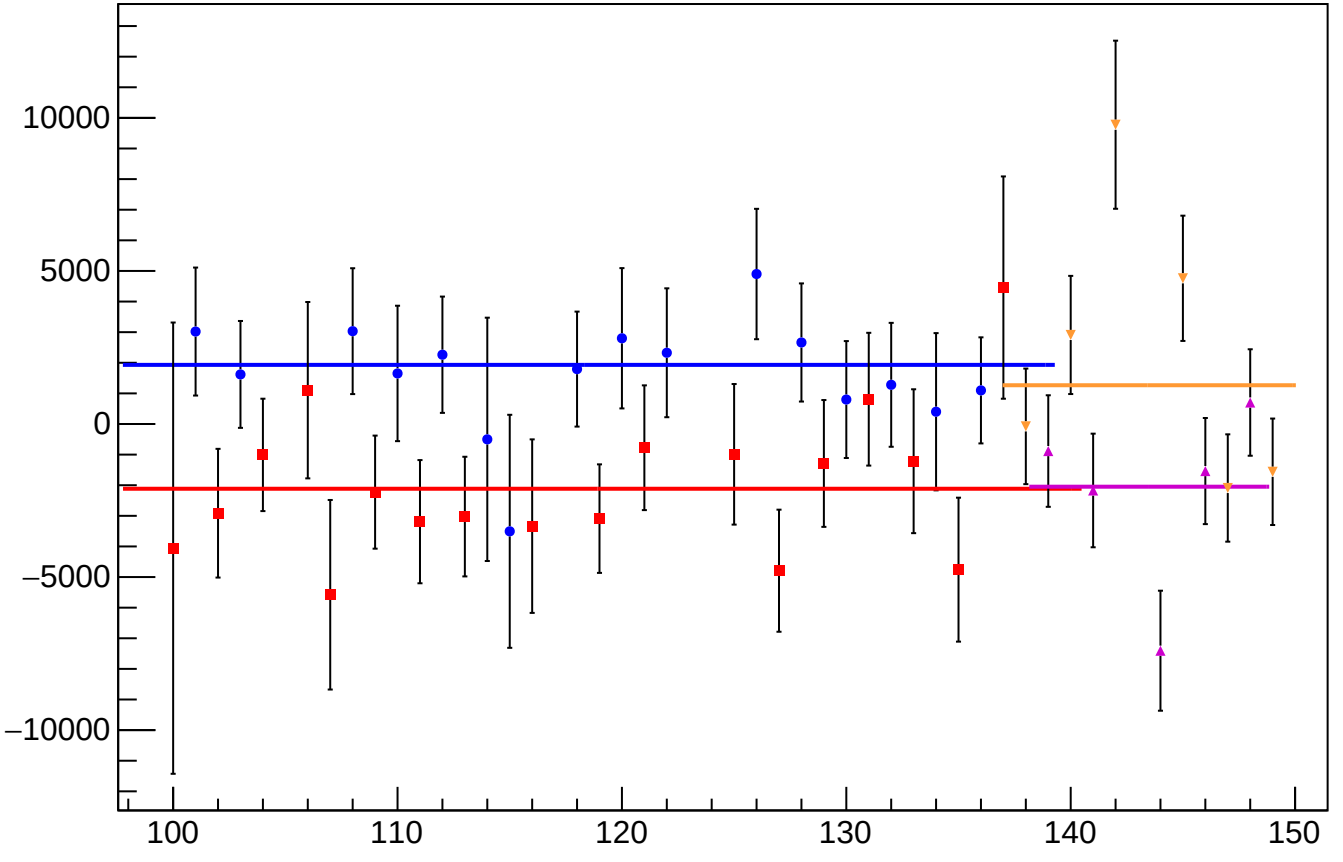
Left In: 5244.384+/-1.789 χ^2/NDF:90227.8/4

+ sign 3790.791+/-0.811 χ^2/NDF: 1539919.7/21

All: 3738.056+/-0.566 χ^2/NDF: 3151622.0/44

- 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: 1266.229+/-796.407 χ^2/NDF:20.1/5

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

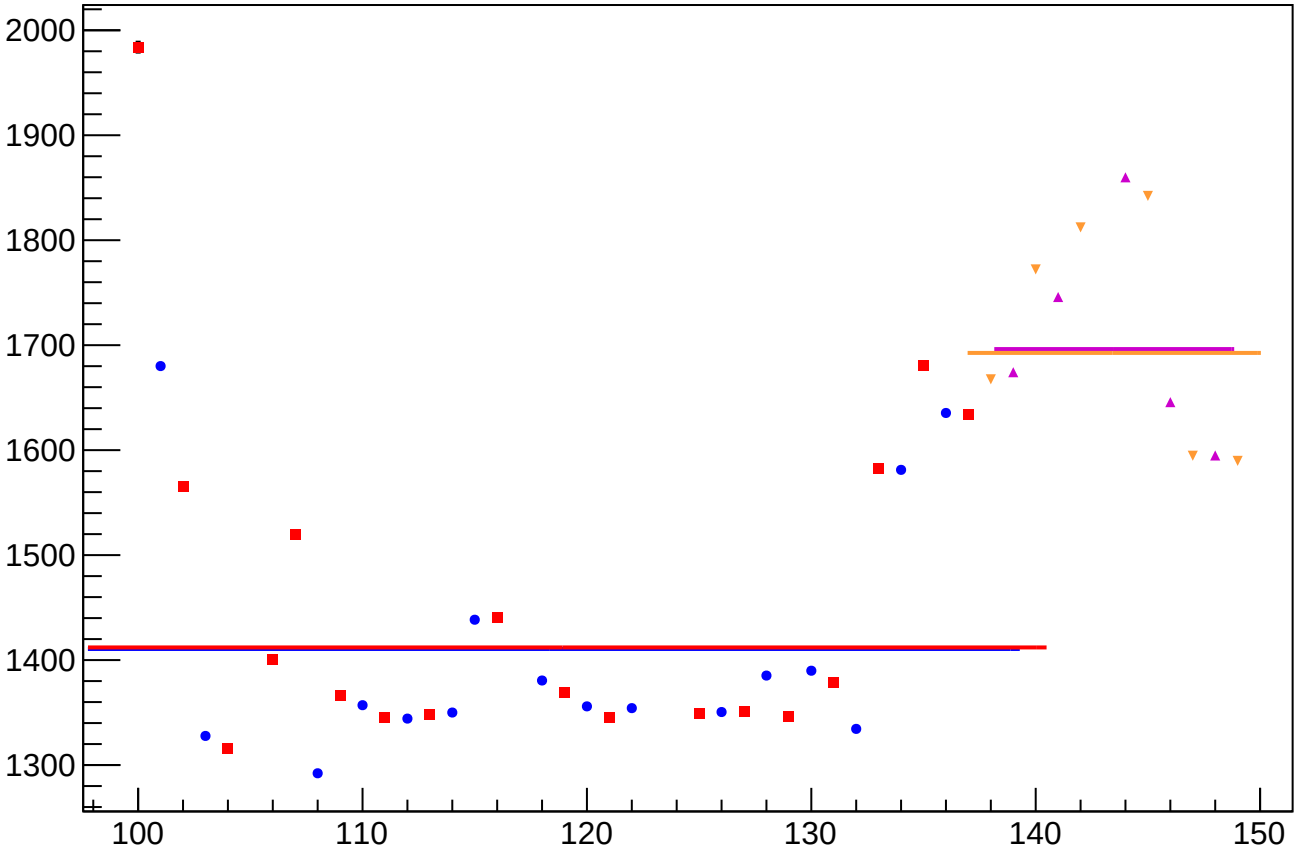
Left In: -2048.156+/-812.390 χ^2/NDF:10.5/4

+ sign 1728.859+/-439.569 χ^2/NDF: 26.9/21

All: -167.534+/-312.093 χ^2/NDF: 88.1/44

- 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: 1692.631+/-0.563 χ^2/NDF:31475.3/5

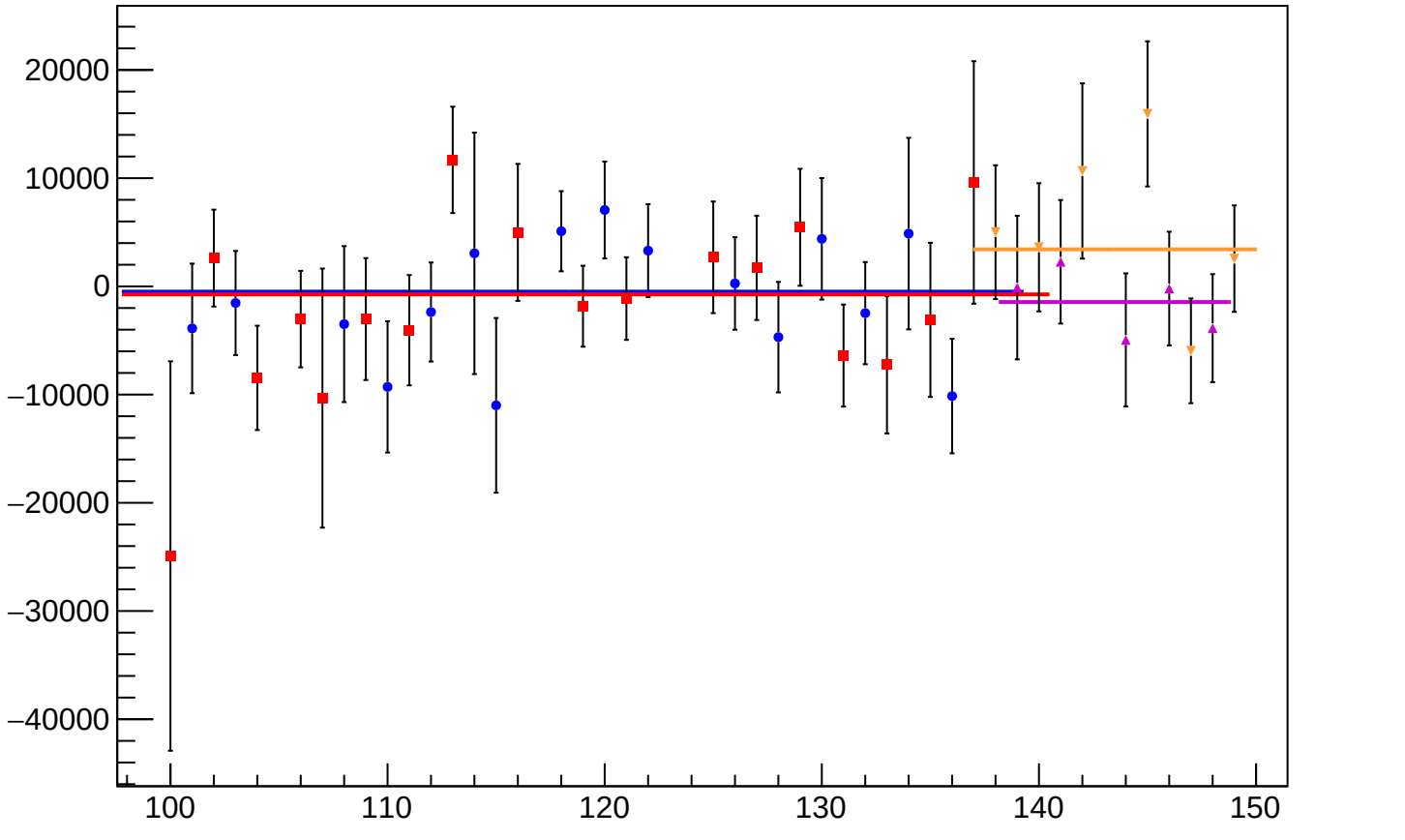
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1696.294+/-0.574 χ^2/NDF:24152.8/4

+ sign 1496.514+/-0.311 χ^2/NDF: 305037.6/21

All: 1496.420+/-0.220 χ^2/NDF: 591146.6/44

- 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: 3421.711+/-2382.665 χ^2/NDF:8.1/5

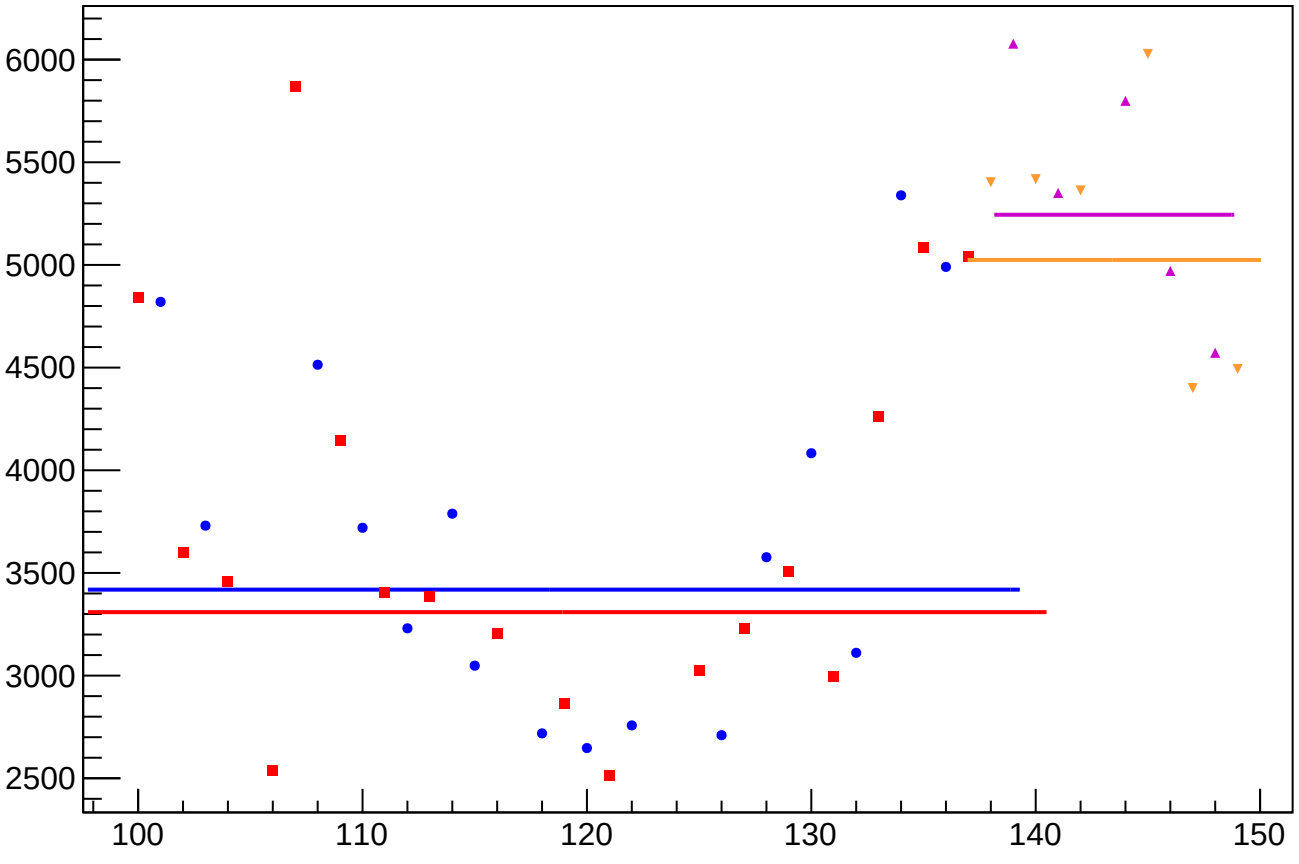
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -1446.157+/-2529.915 χ^2/NDF:1.1/4

+ sign 417.050+/-1147.054 χ^2/NDF: 26.0/21

All: -246.741+/-801.056 χ^2/NDF: 47.0/44

- 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: 5024.180+/-1.685 χ^2/NDF:121107.5/5

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

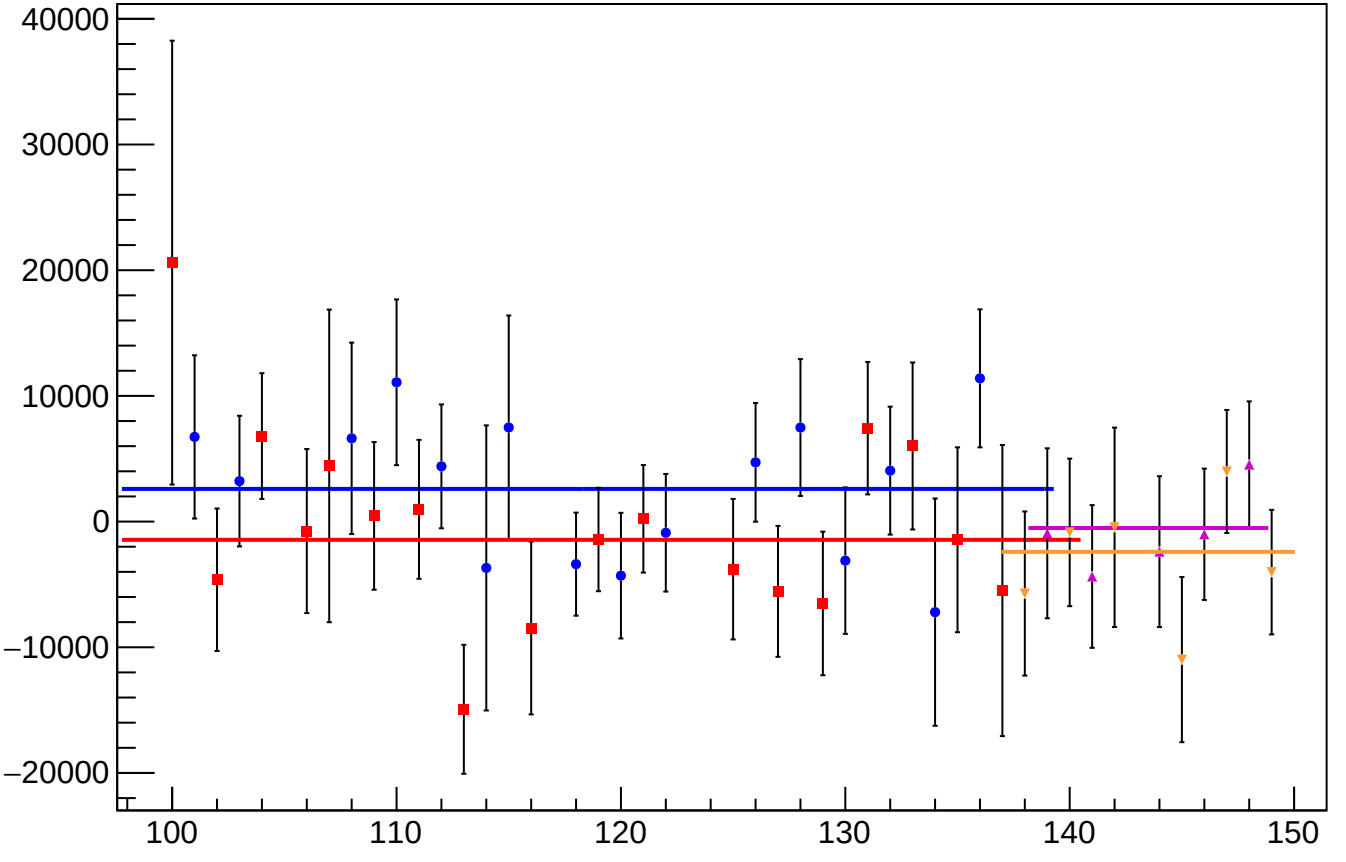
Left In: 5244.392+/-1.789 χ^2/NDF:90229.5/4

+ sign 3790.781+/-0.811 χ^2/NDF: 1539945.5/21

All: 3738.046+/-0.566 χ^2/NDF: 3151669.0/44

- 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: -2406.214+/-2397.278 χ^2/NDF:3.9/5

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

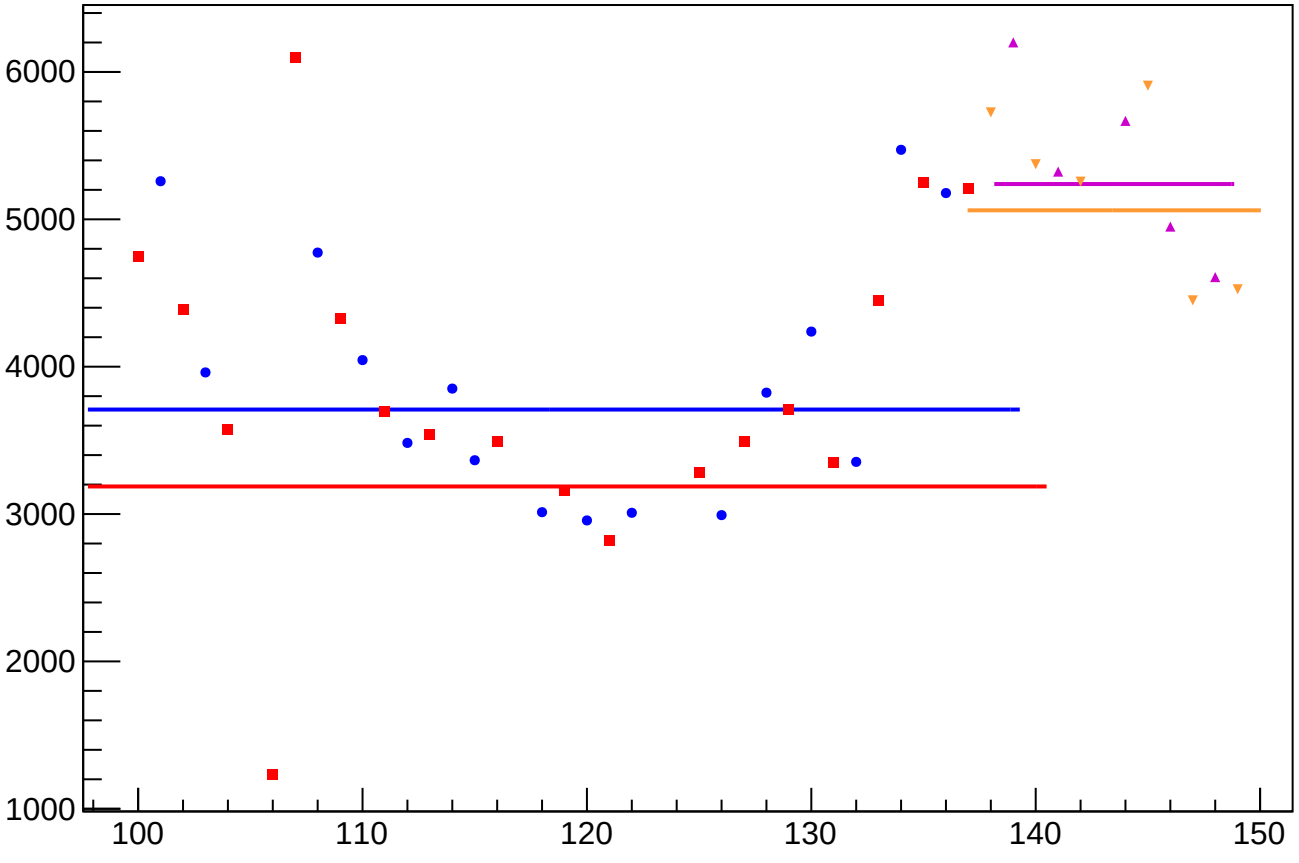
Left In: -510.371+/-2525.076 χ^2/NDF:1.6/4

+ sign 1306.897+/-1218.241 χ^2/NDF: 20.6/21

All: 31.053+/-859.516 χ^2/NDF: 43.5/44

- sign -1233.538+/-1212.857 χ^2/NDF: 20.7/22

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5061.127+/-1.695 χ^2/NDF:115304.3/5

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

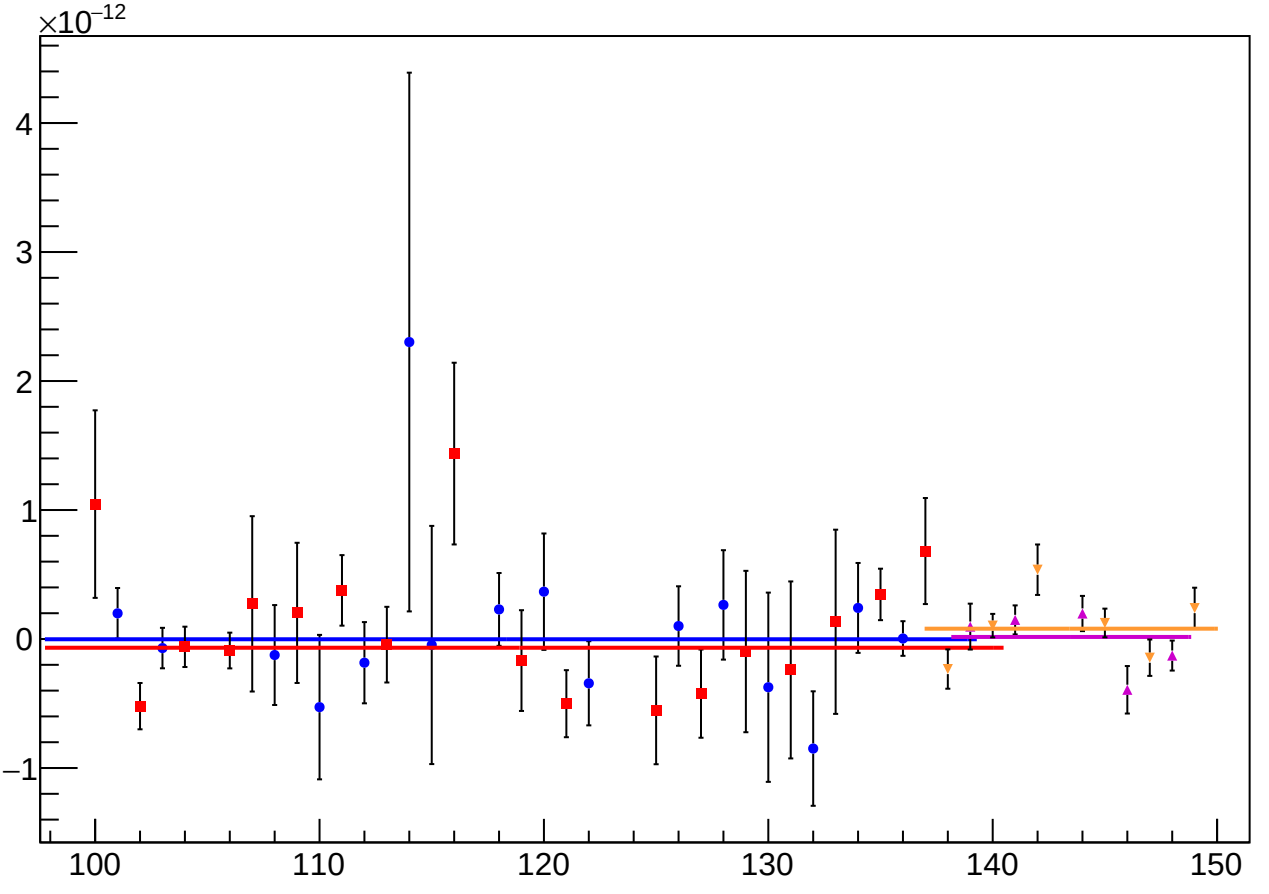
Left In: 5239.536+/-1.785 χ^2/NDF:88724.5/4

+ sign 4058.292+/-0.861 χ^2/NDF: 1197776.9/21

All: 3812.228+/-0.586 χ^2/NDF: 4105034.2/44

- 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:13.5/5

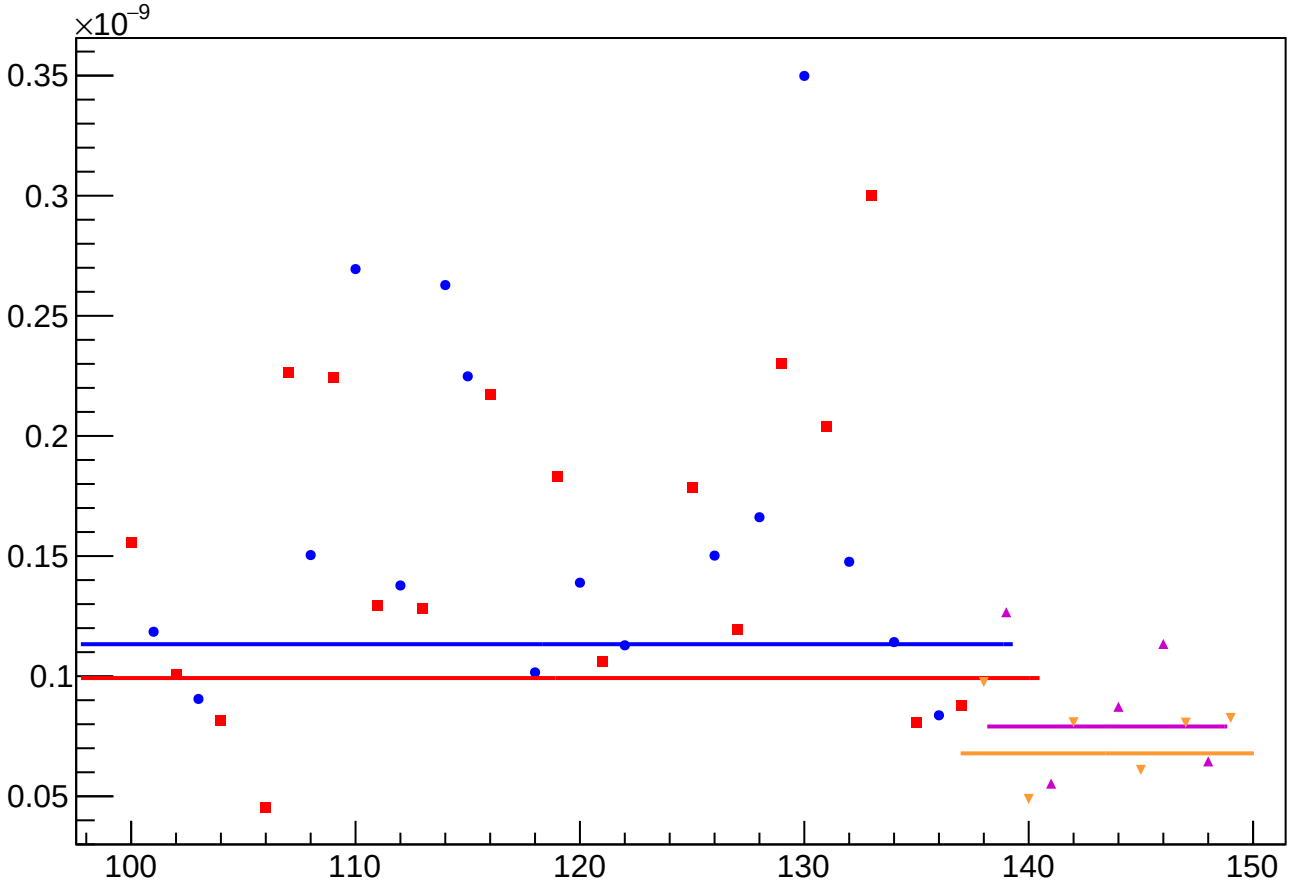
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 25.4/21

All: 0.000+/-0.000 χ^2/NDF: 67.1/44

- 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:213132.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

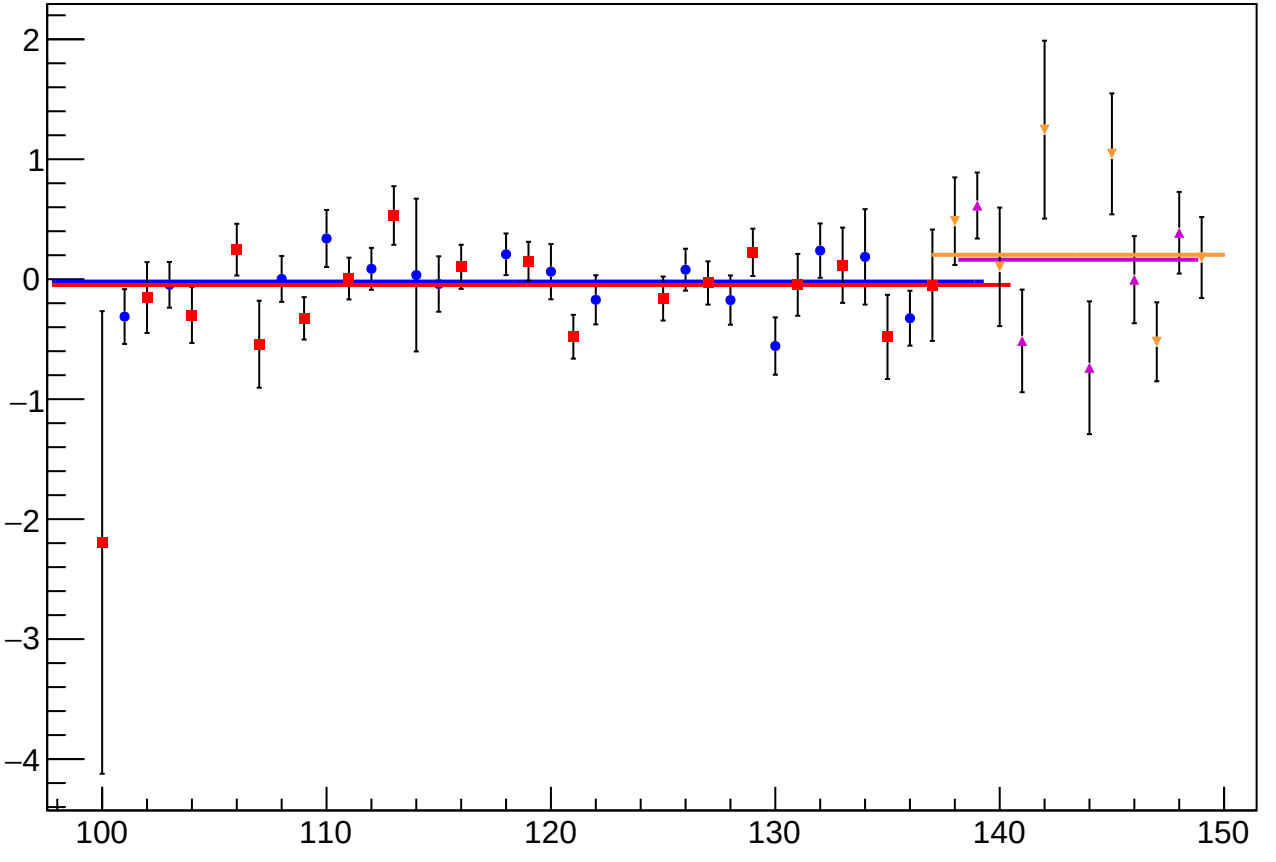
Left In: 0.000+/-0.000 χ^2/NDF:340751.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 1403136.7/21

All: 0.000+/-0.000 χ^2/NDF: 2955362.2/44

- 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: 0.203+/-0.168 χ^2/NDF:10.3/5

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

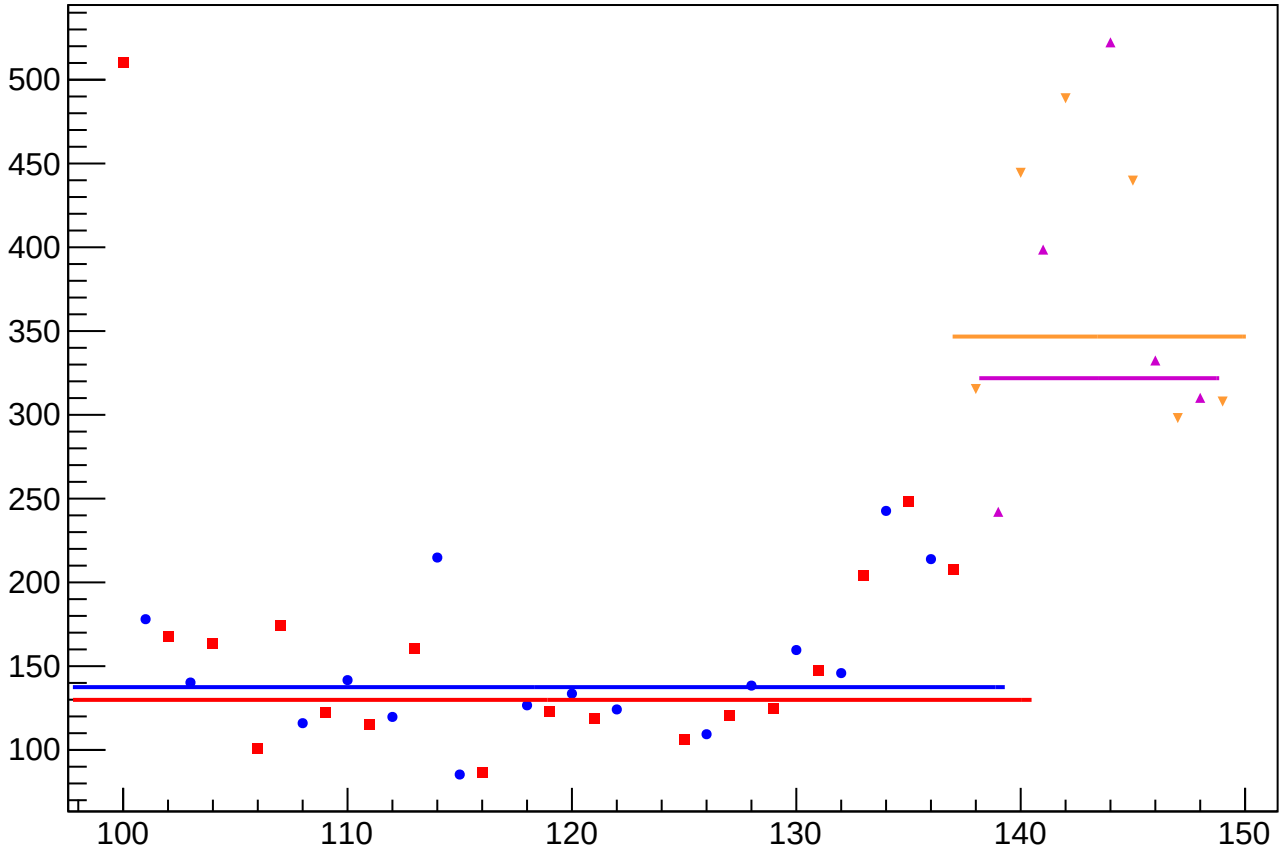
Left In: 0.163+/-0.162 χ^2/NDF:8.5/4

\+ sign 0.001+/-0.052 χ^2/NDF: 27.9/21

All: -0.014+/-0.036 χ^2/NDF: 64.3/44

\- 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: 346.719+/-0.119 χ^2/NDF:304767.6/5

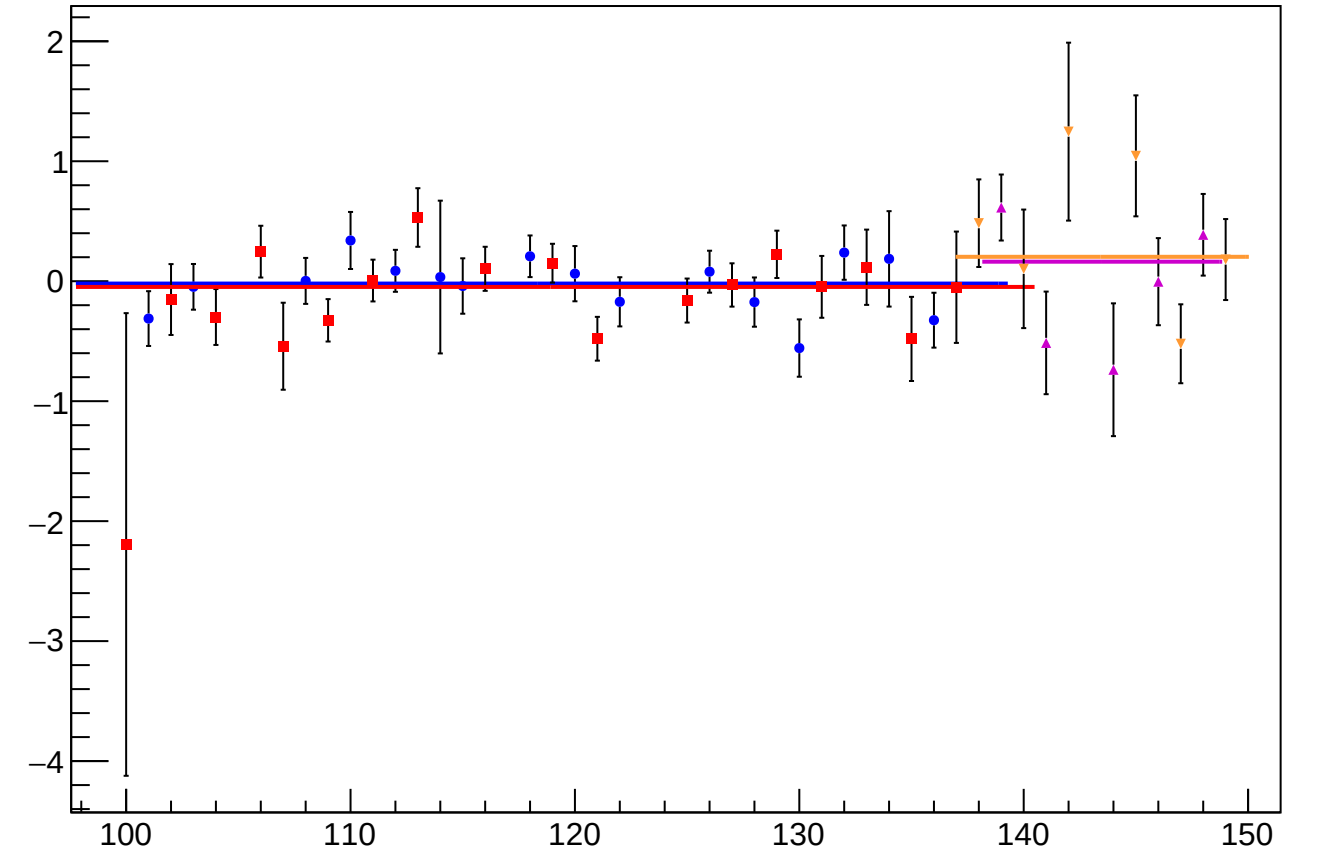
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 321.869+/-0.114 χ^2/NDF:498866.0/4

\+ sign 157.186+/-0.036 χ^2/NDF: 3802440.4/21

All: 152.524+/-0.025 χ^2/NDF: 7712551.0/44

\- 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: 0.203+/-0.168 χ^2/NDF:10.3/5

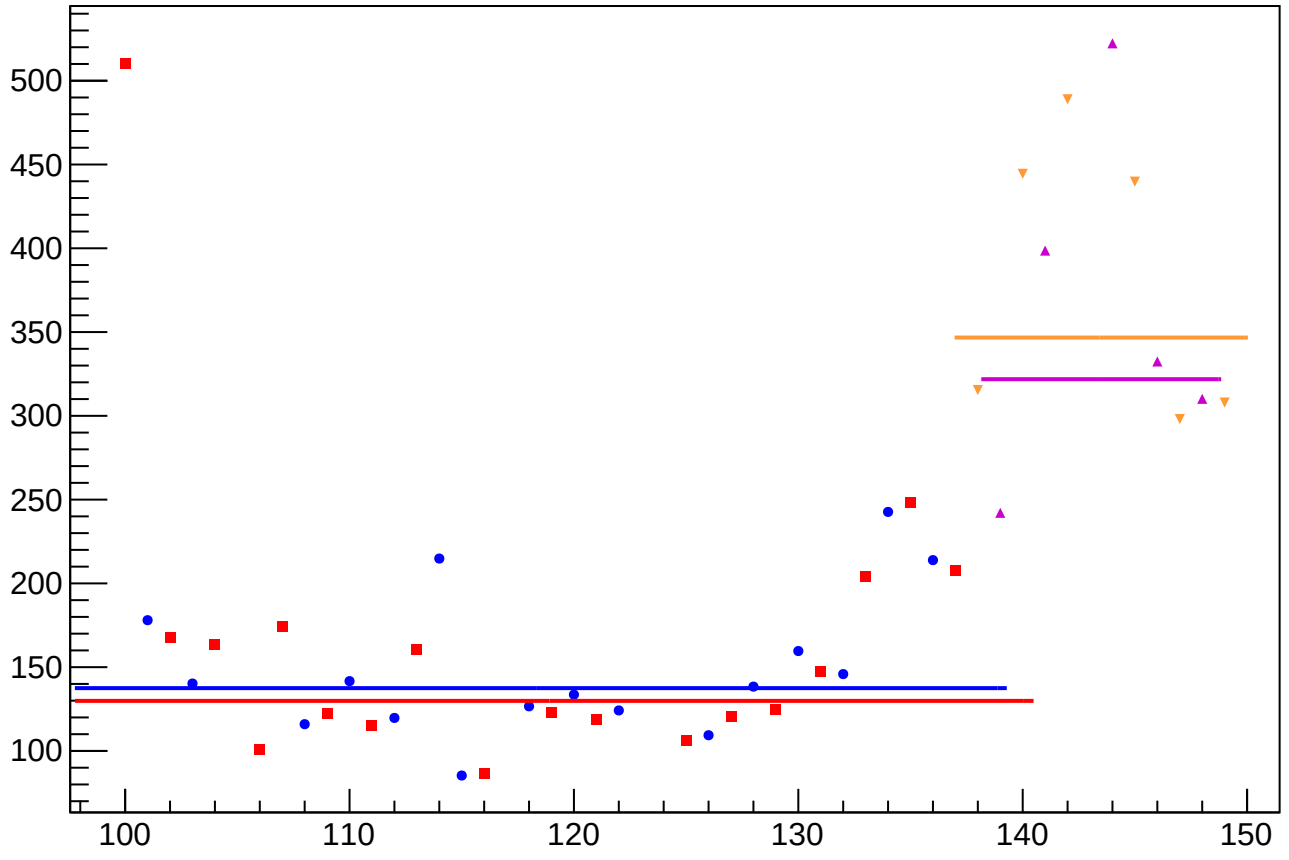
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.163+/-0.162 χ^2/NDF:8.5/4

+ sign 0.001+/-0.052 χ^2/NDF: 27.9/21

All: -0.014+/-0.036 χ^2/NDF: 64.3/44

- 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: 346.719+/-0.119 χ^2/NDF:304767.6/5

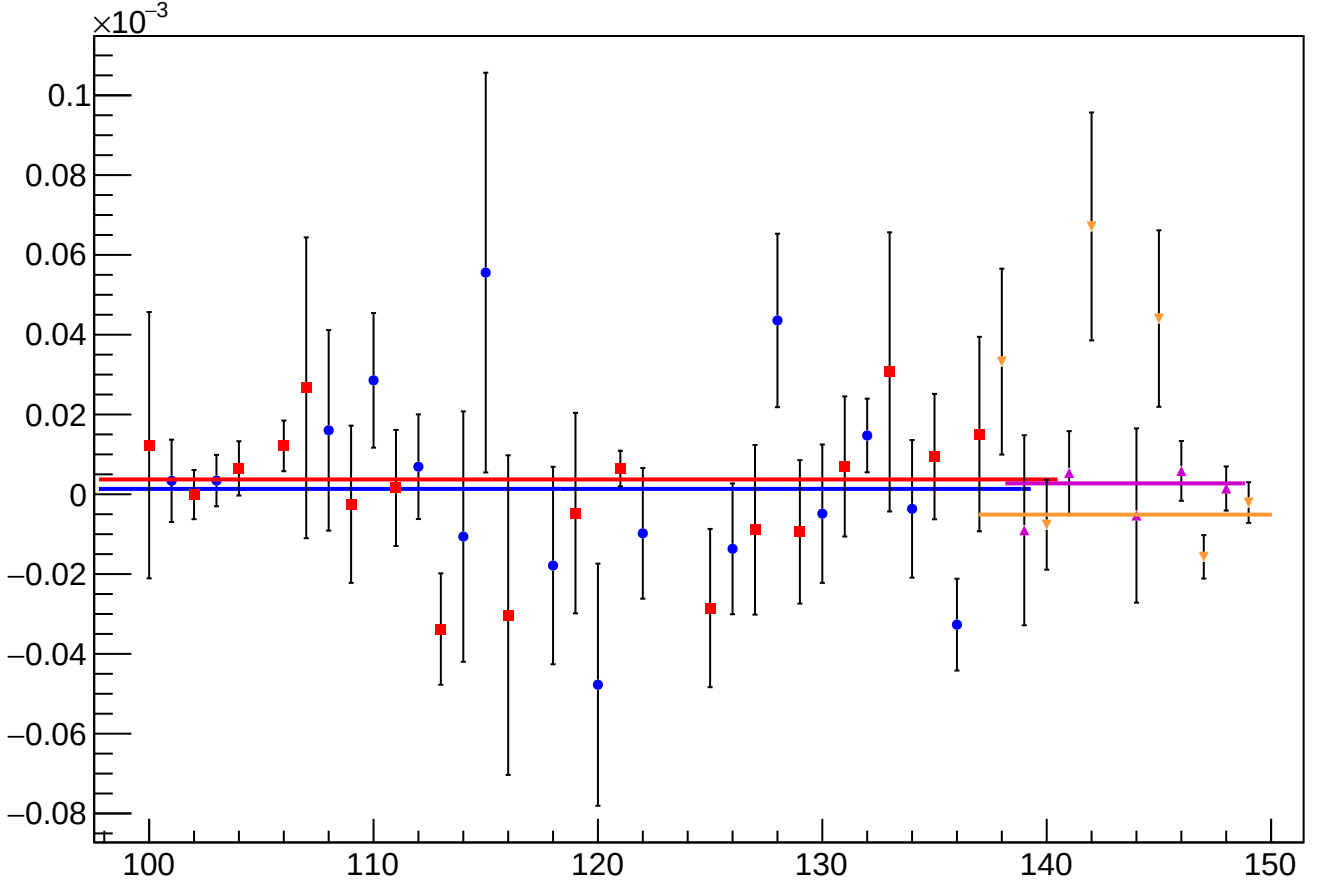
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 321.869+/-0.114 χ^2/NDF:498866.0/4

+ sign 157.186+/-0.036 χ^2/NDF: 3802440.4/21

All: 152.524+/-0.025 χ^2/NDF: 7712551.0/44

- 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:18.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

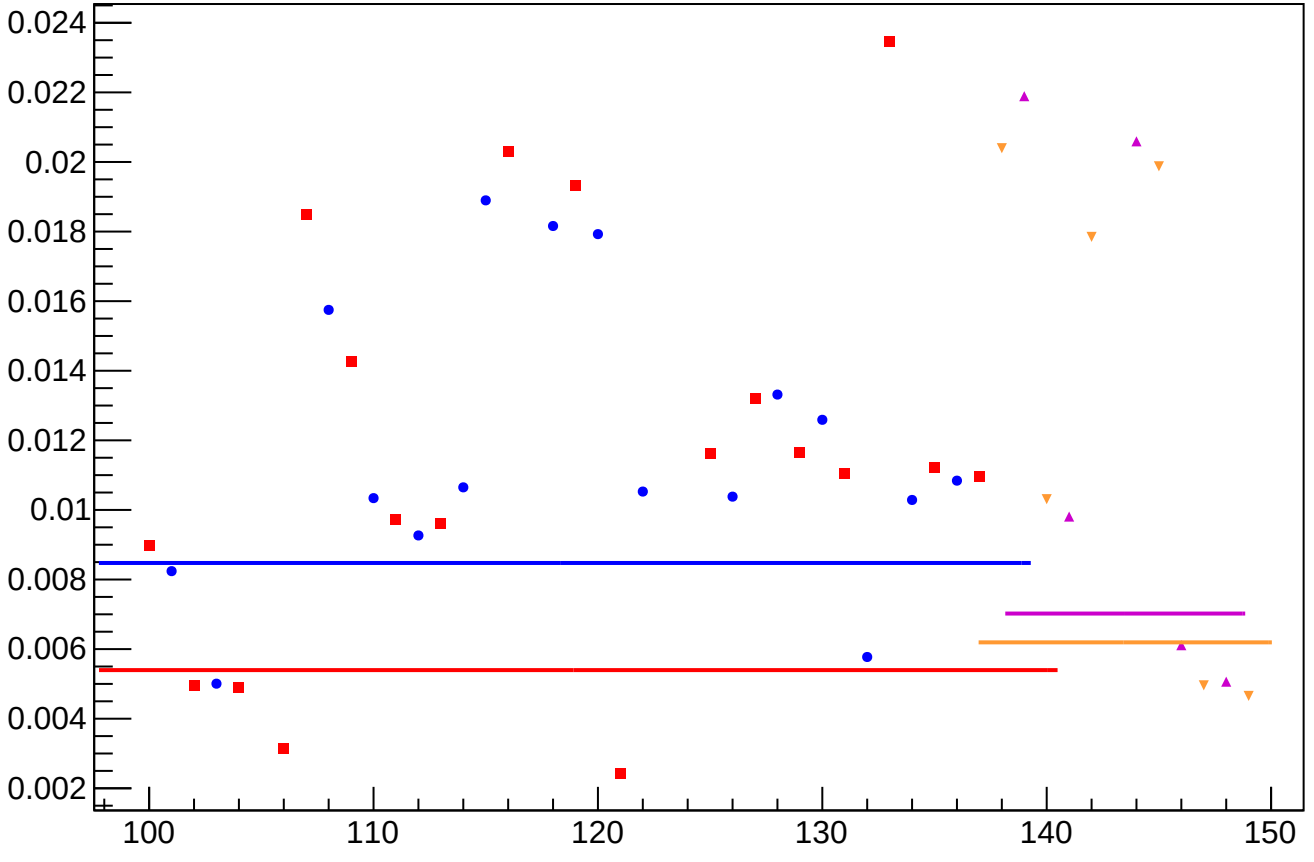
Left In: 0.000+/-0.000 χ^2/NDF:0.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/21

All: 0.000+/-0.000 χ^2/NDF: 63.1/44

- 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: 0.006+/-0.000 χ^2/NDF:2392591.1/5

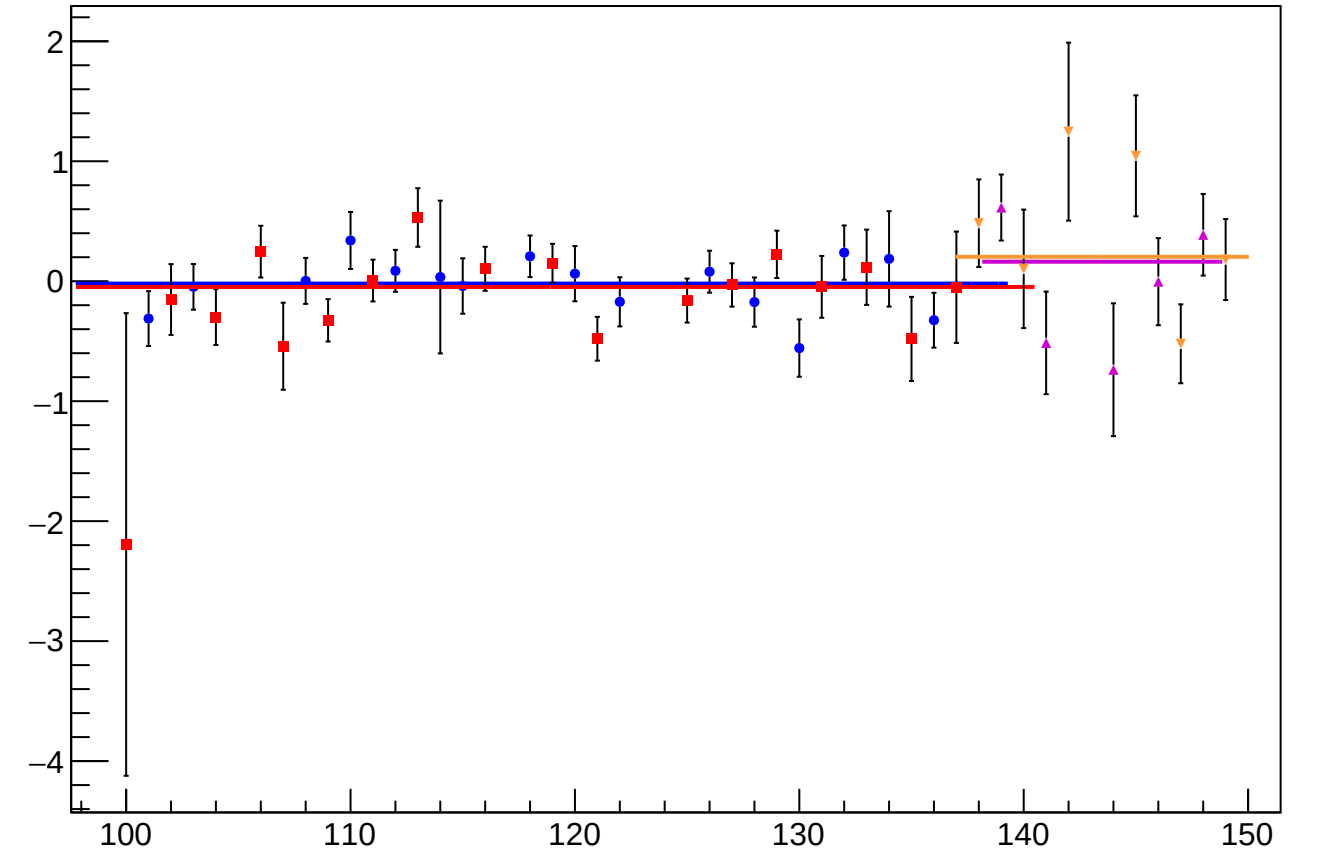
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:1973020.3/4

+ sign 0.007+/-0.000 χ^2/NDF: 4759055.4/21

All: 0.007+/-0.000 χ^2/NDF: 12289125.1/44

- 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: 0.203+/-0.168 χ^2/NDF:10.3/5

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

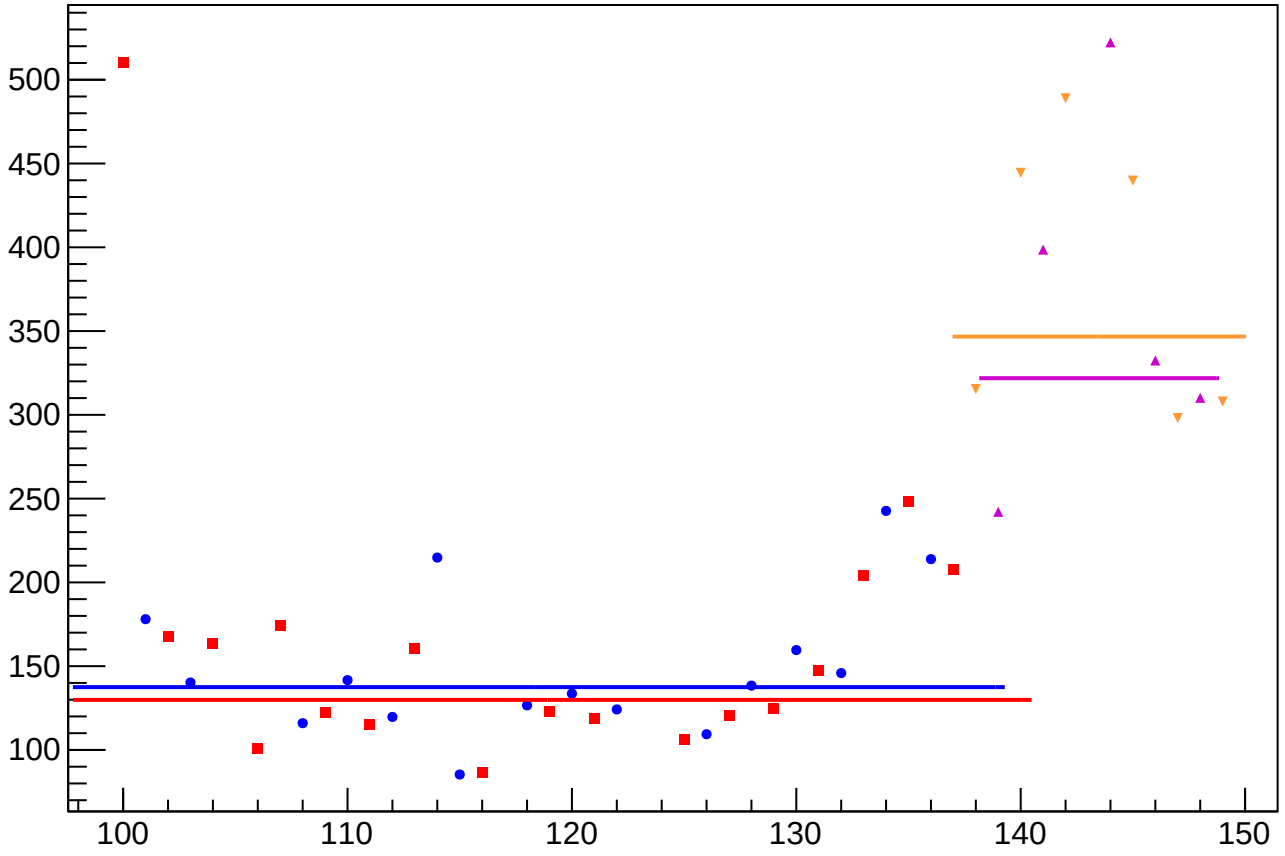
Left In: 0.163+/-0.162 χ^2/NDF:8.5/4

+ sign 0.001+/-0.052 χ^2/NDF: 27.9/21

All: -0.014+/-0.036 χ^2/NDF: 64.3/44

- sign -0.028+/-0.050 χ^2/NDF: 36.3/22

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 346.721+/-0.119 χ^2/NDF:304794.2/5

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

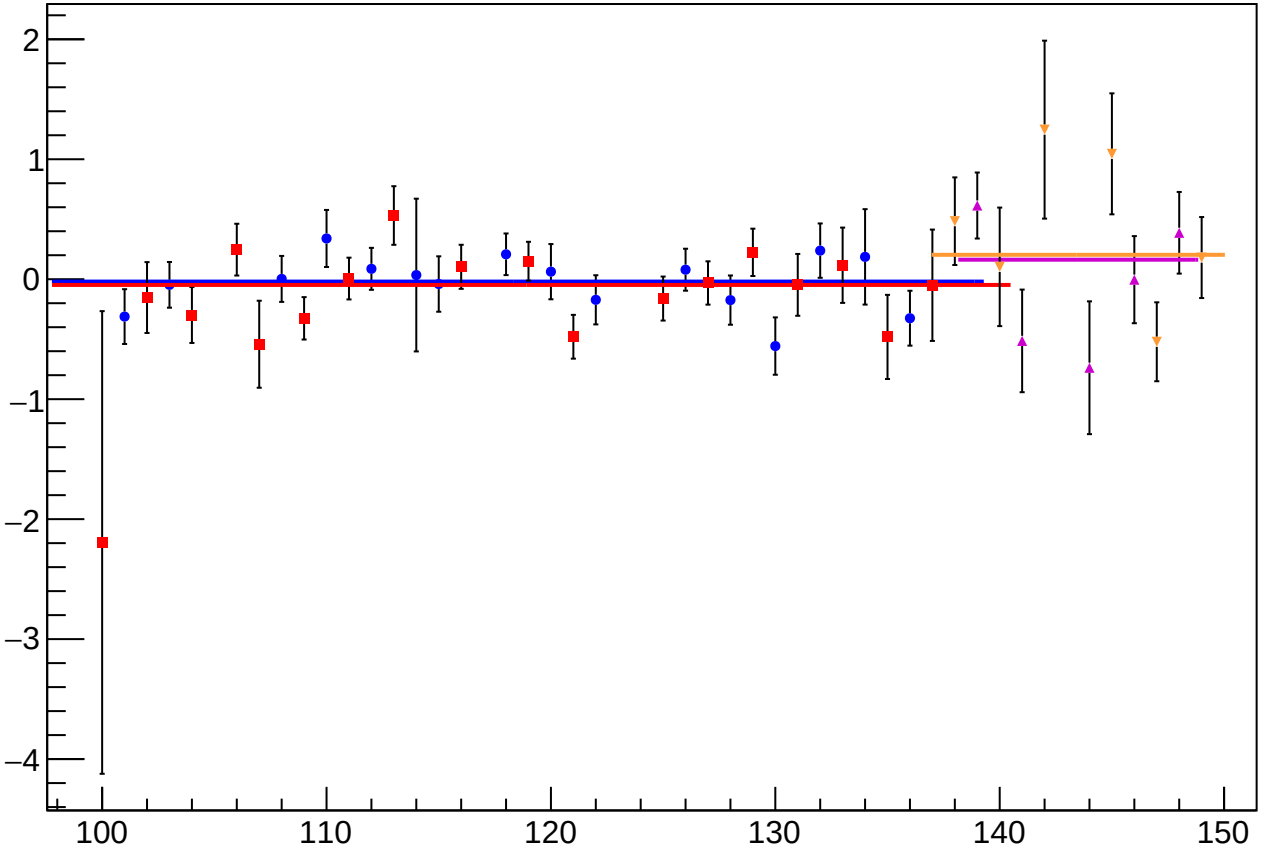
Left In: 321.874+/-0.114 χ^2/NDF:498846.8/4

+ sign 157.186+/-0.036 χ^2/NDF: 3802472.0/21

All: 152.524+/-0.025 χ^2/NDF: 7712583.3/44

- sign 148.157+/-0.035 χ^2/NDF: 3878480.9/22

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.203+/-0.168 χ^2/NDF:10.3/5

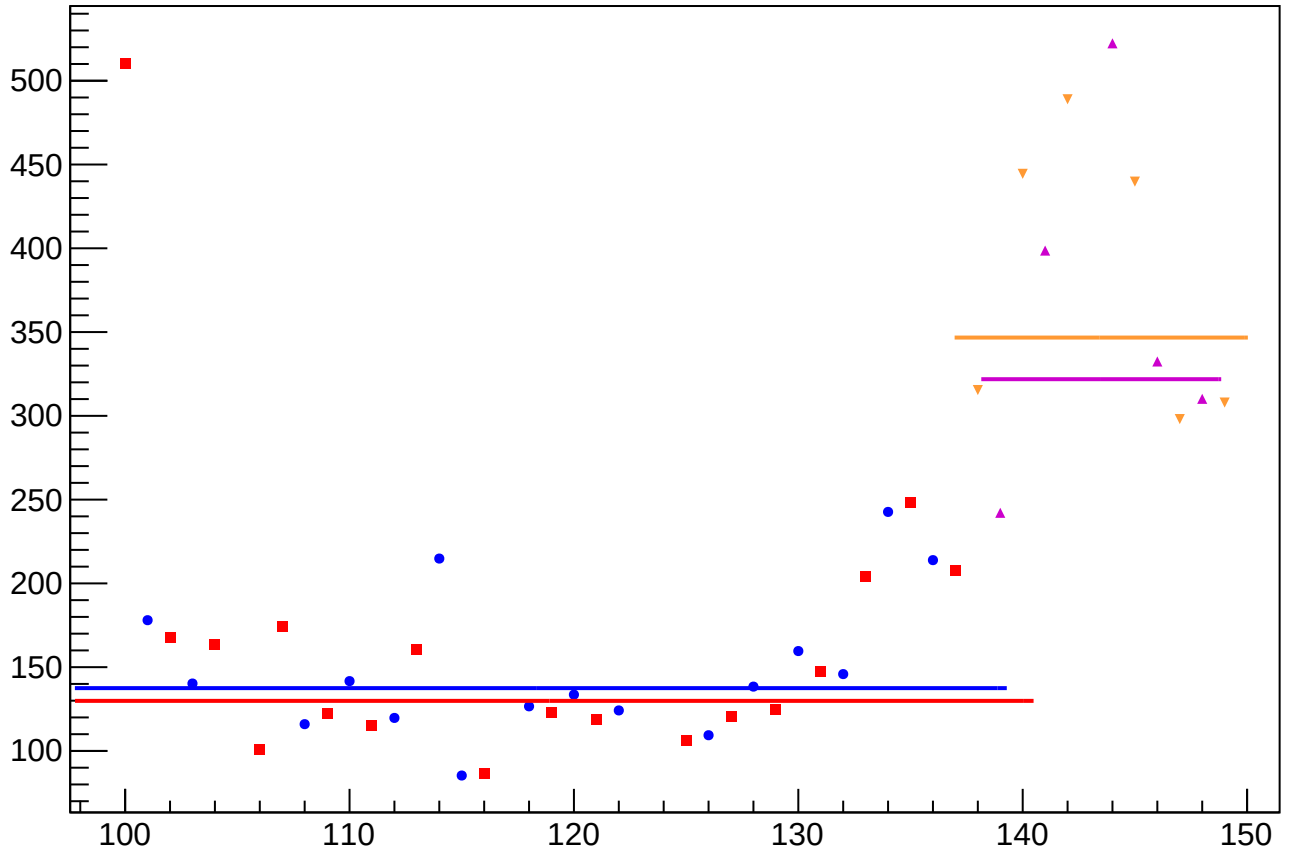
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.163+/-0.162 χ^2/NDF:8.5/4

+ sign 0.001+/-0.052 χ^2/NDF: 27.9/21

All: -0.014+/-0.036 χ^2/NDF: 64.3/44

- 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: 346.721+/-0.119 χ^2/NDF:304794.2/5

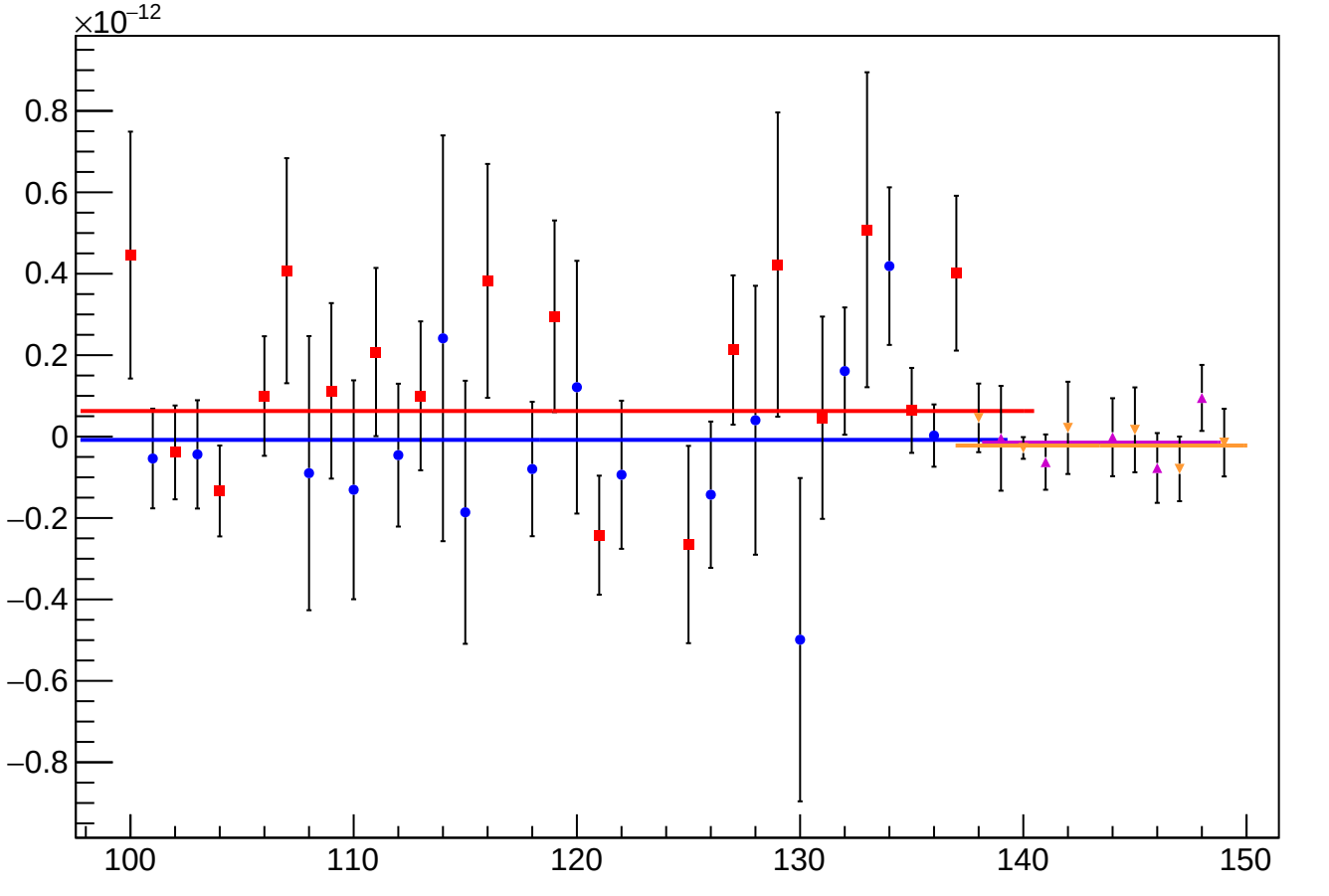
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 321.874+/-0.114 χ^2/NDF:498846.8/4

+ sign 157.186+/-0.036 χ^2/NDF: 3802472.0/21

All: 152.524+/-0.025 χ^2/NDF: 7712583.3/44

- 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:1.5/5

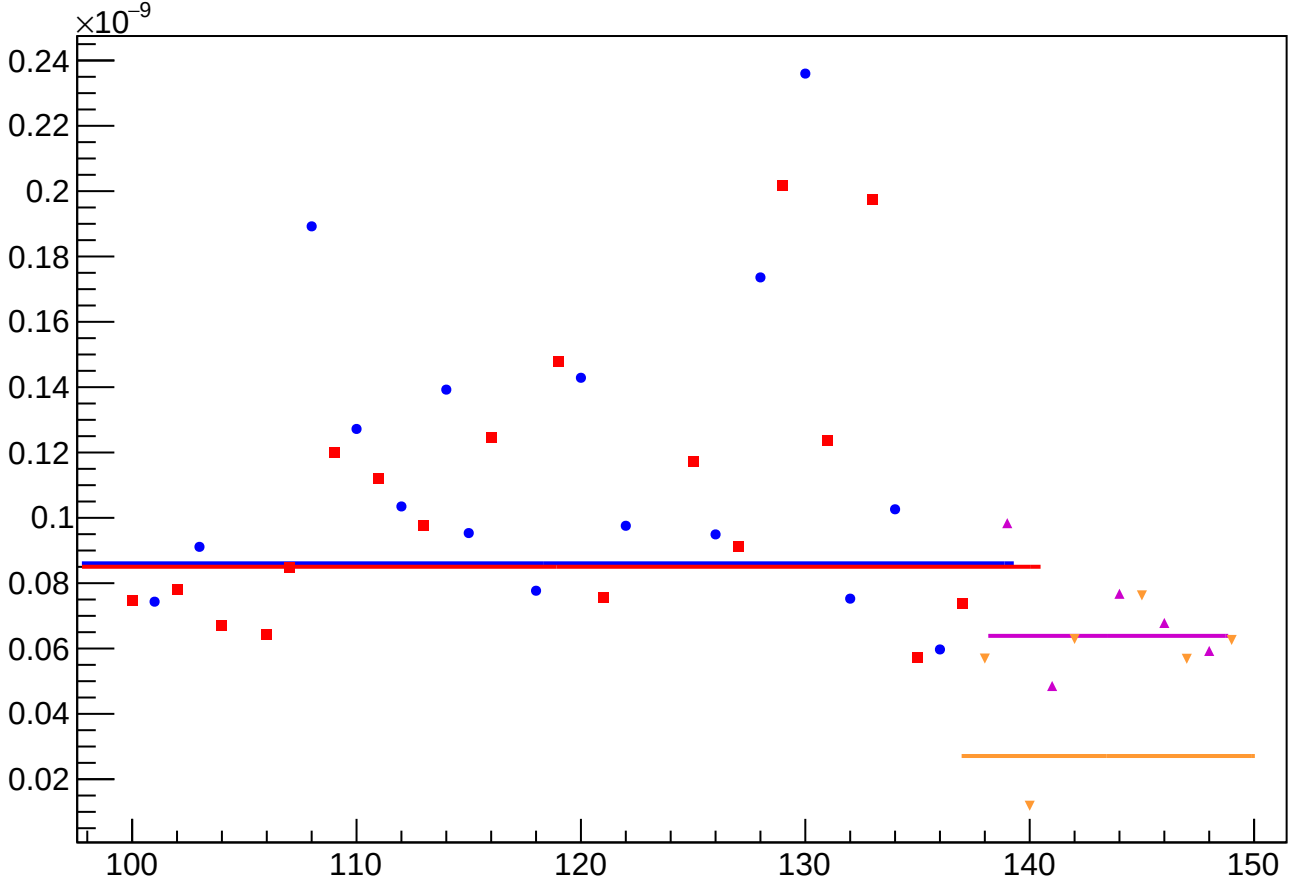
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:2.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 11.4/21

All: -0.000+/-0.000 χ^2/NDF: 39.7/44

- 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:2192960.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

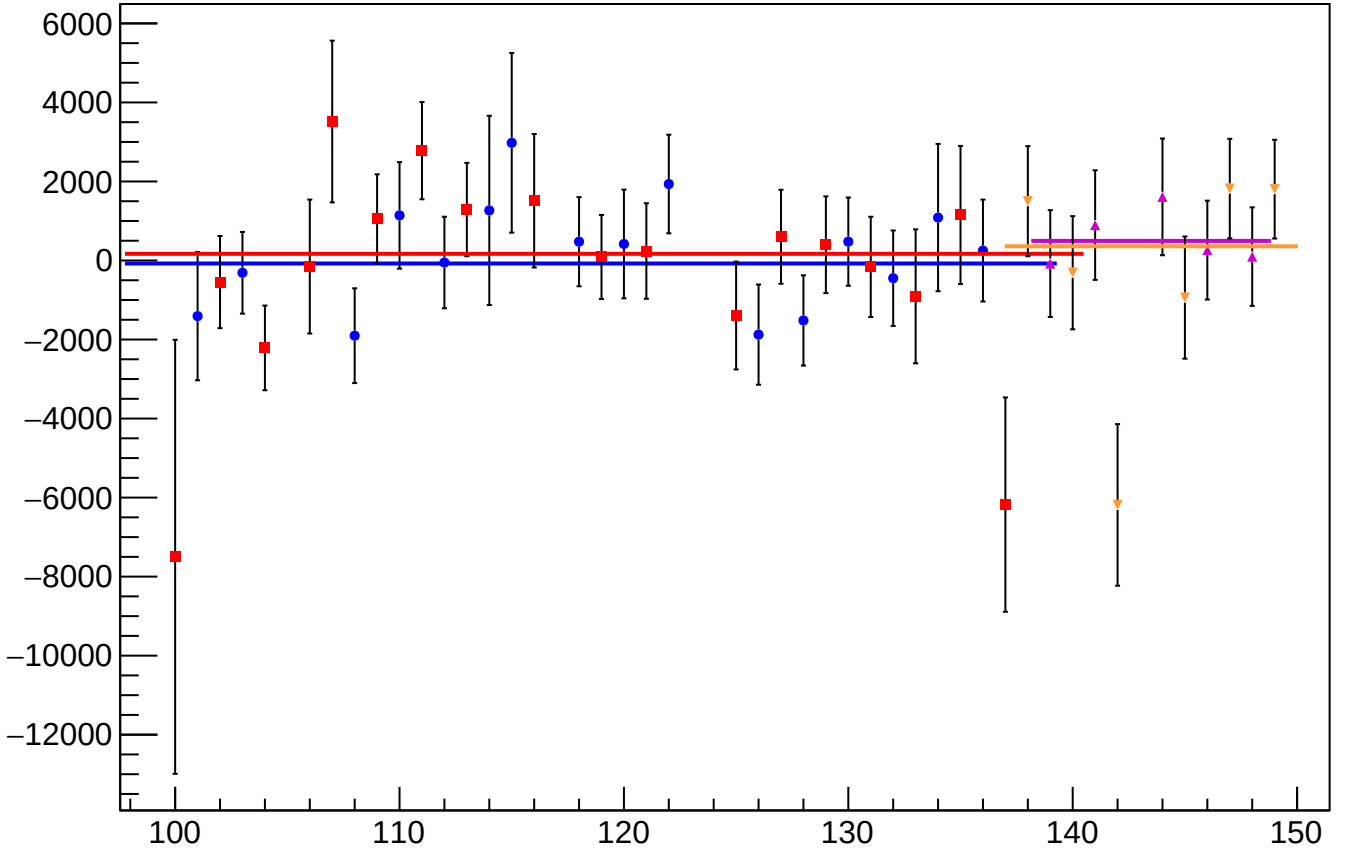
Left In: 0.000+/-0.000 χ^2/NDF:292621.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 6290702.7/21

All: 0.000+/-0.000 χ^2/NDF: 9764639.1/44

- 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: 359.475+/-584.049 χ^2/NDF:14.5/5

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

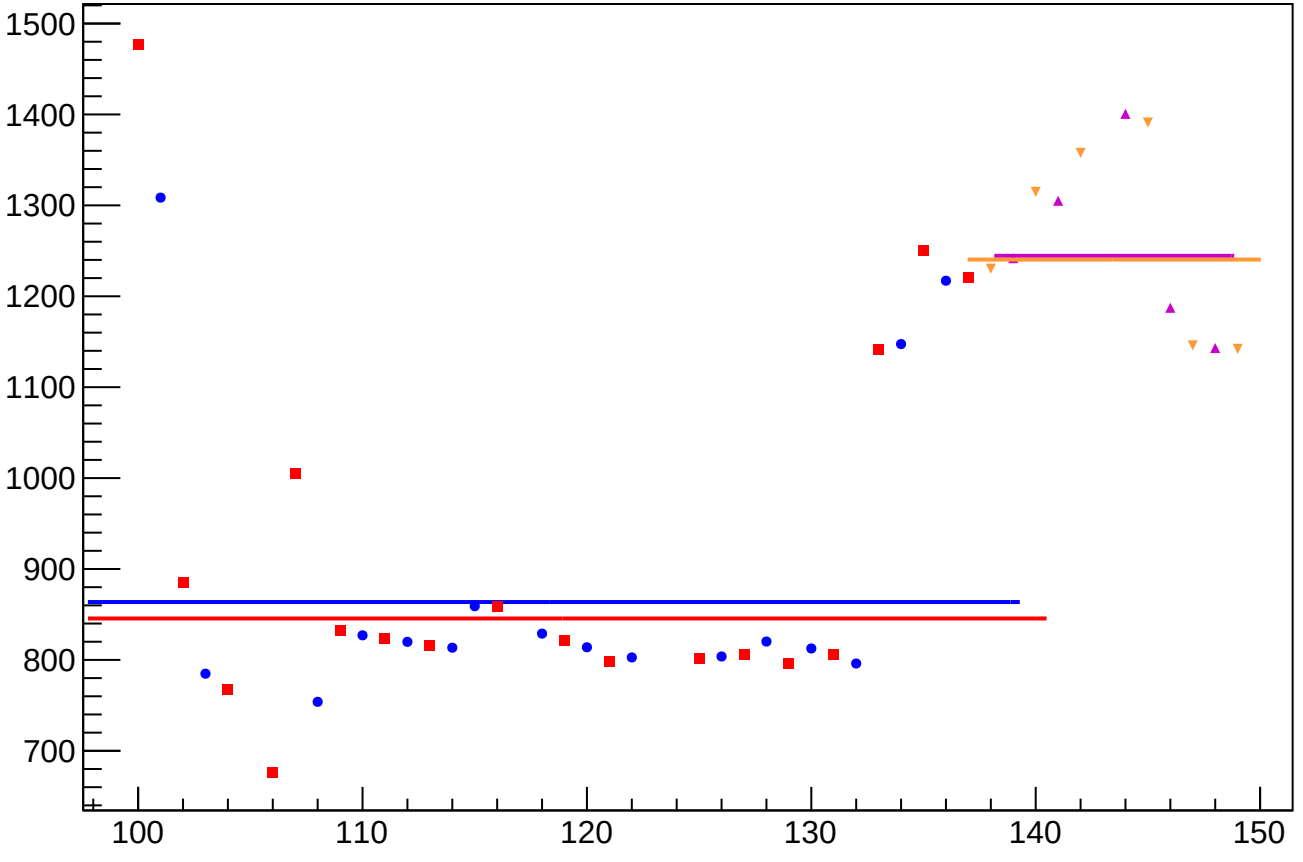
Left In: 496.207+/-596.705 χ^2/NDF:1.0/4

+ sign 27.598+/-284.809 χ^2/NDF: 28.3/21

All: 135.888+/-200.839 χ^2/NDF: 54.2/44

- 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: 1240.358+/-0.413 χ^2/NDF:54731.8/5

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

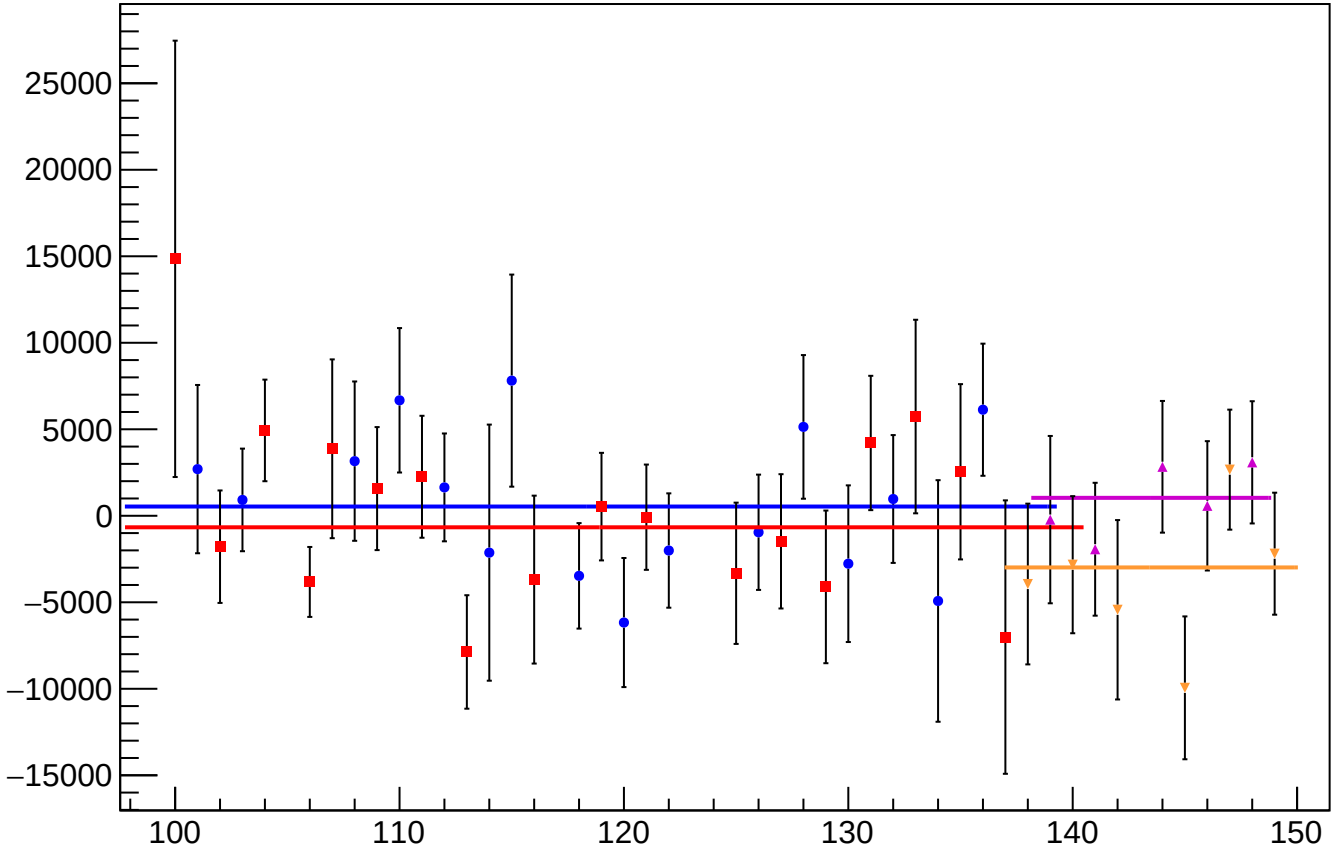
Left In: 1244.484+/-0.422 χ^2/NDF:43604.7/4

+ sign 953.239+/-0.201 χ^2/NDF: 1096368.3/21

All: 943.346+/-0.141 χ^2/NDF: 2148763.9/44

- 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: -2985.891+/-1645.215 χ^2/NDF:5.8/5

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

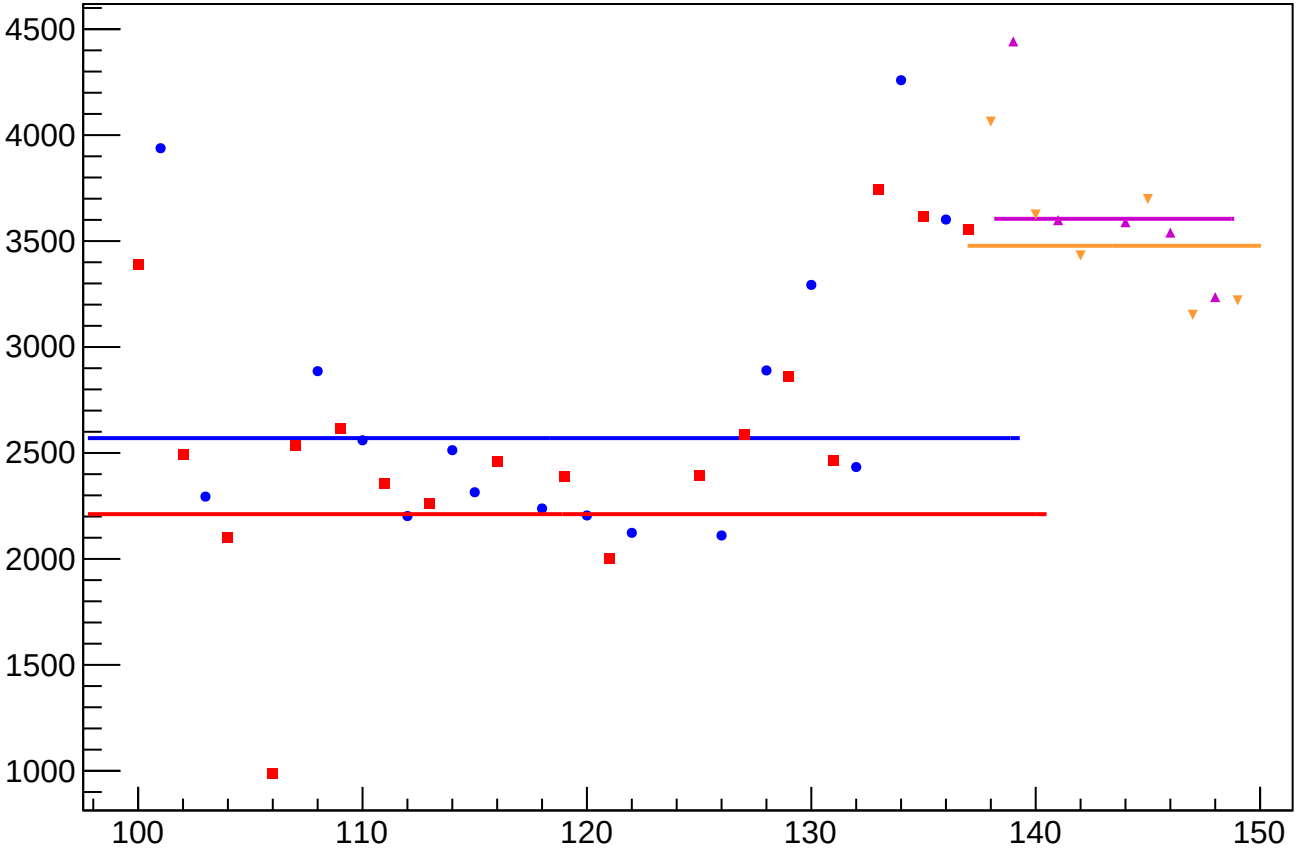
Left In: 1036.829+/-1737.374 χ^2/NDF:1.2/4

+ sign -389.257+/-842.766 χ^2/NDF: 23.8/21

All: -355.859+/-570.189 χ^2/NDF: 45.8/44

- 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: 3477.823+/-1.163 χ^2/NDF:68725.7/5

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

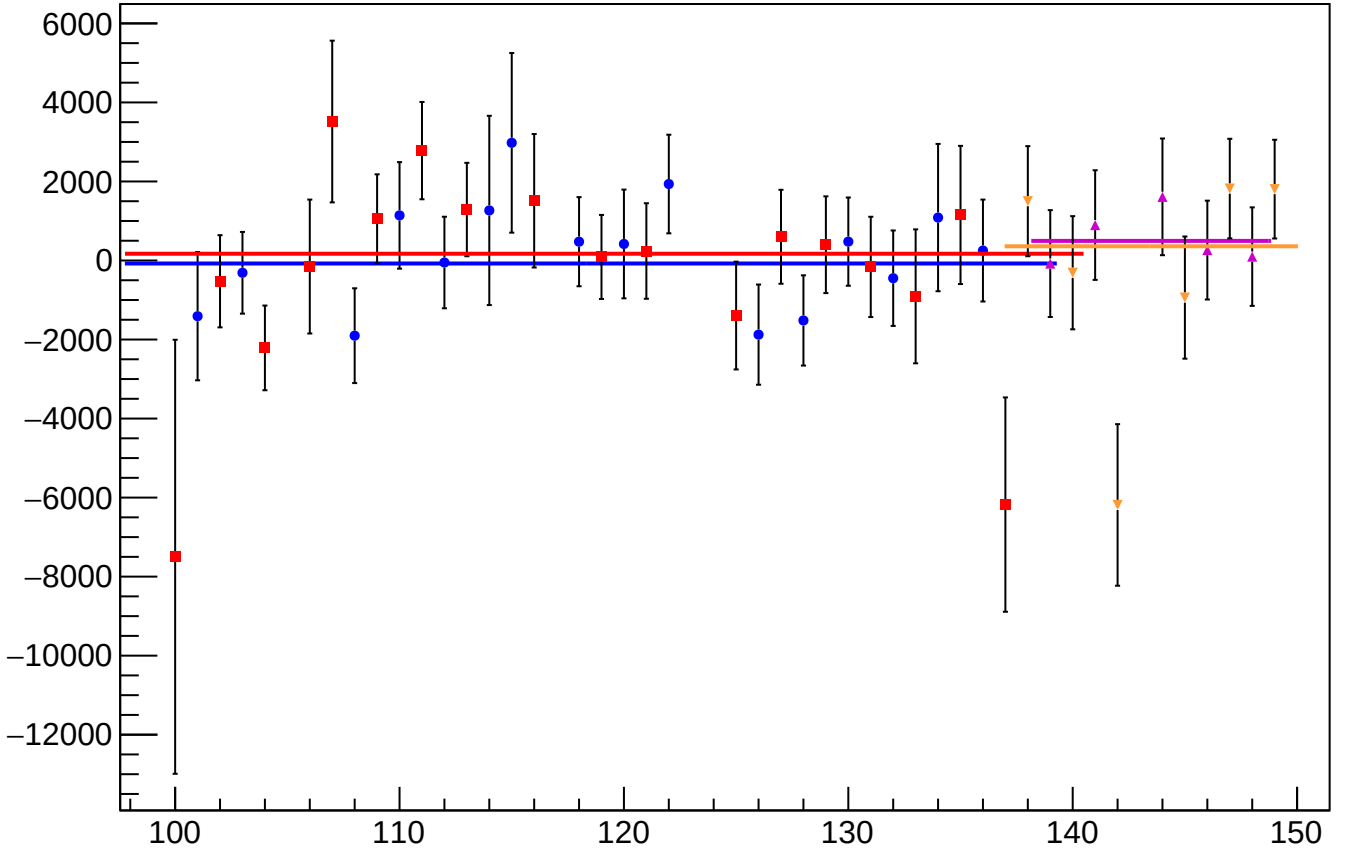
Left In: 3605.126+/-1.229 χ^2/NDF:82448.5/4

+ sign 2808.315+/-0.596 χ^2/NDF: 1180235.5/21

All: 2634.695+/-0.403 χ^2/NDF: 3714909.1/44

- 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: 359.423+/-584.049 χ^2/NDF:14.5/5

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

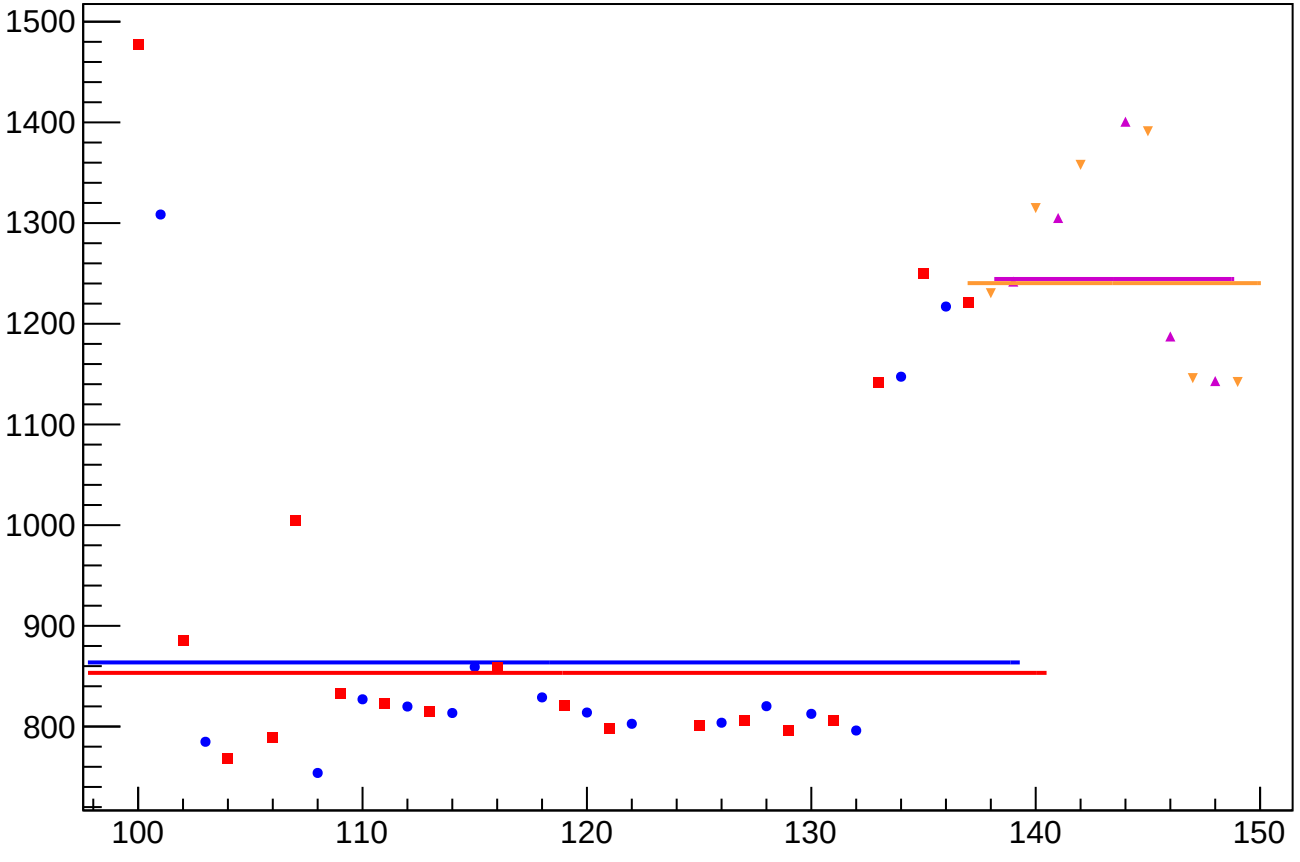
Left In: 496.211+/-596.705 χ^2/NDF:1.0/4

+ sign 27.526+/-284.809 χ^2/NDF: 28.3/21

All: 136.490+/-200.840 χ^2/NDF: 54.1/44

- 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: 1240.358+/-0.413 χ^2/NDF:54731.8/5

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

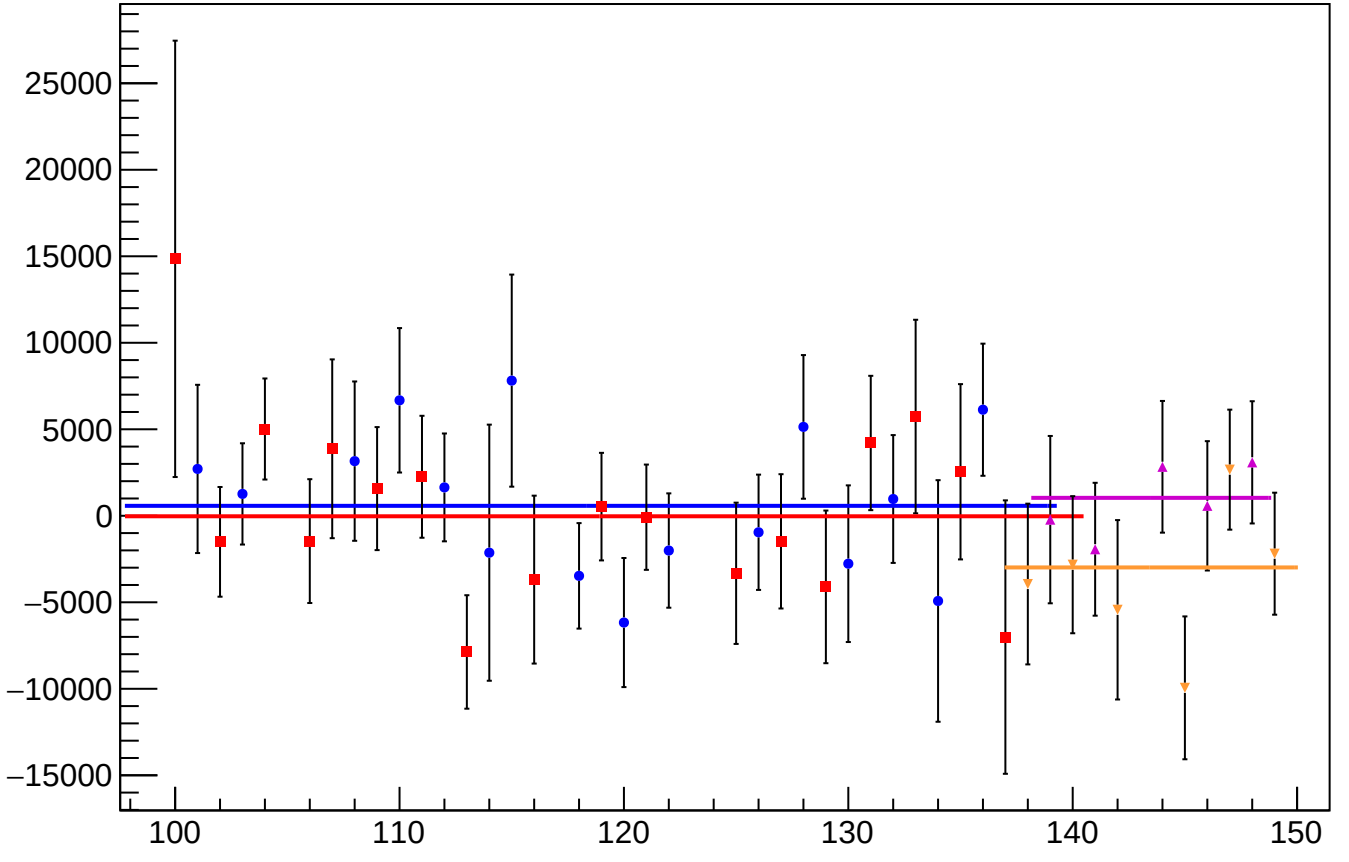
Left In: 1244.484+/-0.422 χ^2/NDF:43604.7/4

\+ sign 953.239+/-0.201 χ^2/NDF: 1096368.2/21

All: 946.929+/-0.142 χ^2/NDF: 2084718.6/44

\- sign 940.738+/-0.199 χ^2/NDF: 986405.6/22

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -2985.938+/-1645.214 χ^2/NDF:5.8/5

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

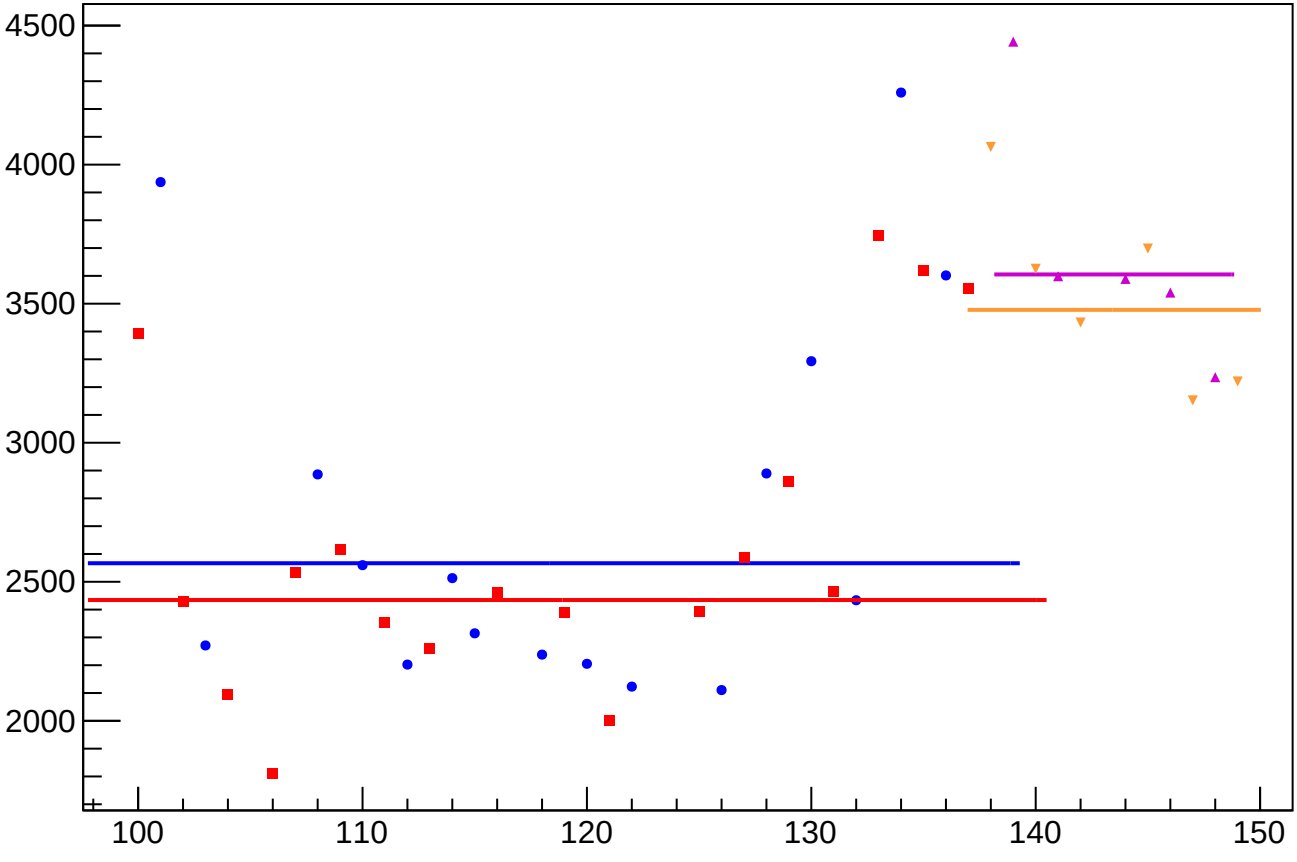
Left In: 1036.808+/-1737.373 χ^2/NDF:1.2/4

+ sign -357.413+/-841.857 χ^2/NDF: 24.0/21

All: -66.633+/-585.372 χ^2/NDF: 42.9/44

- 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: 3477.822+/-1.163 χ^2/NDF:68725.0/5

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

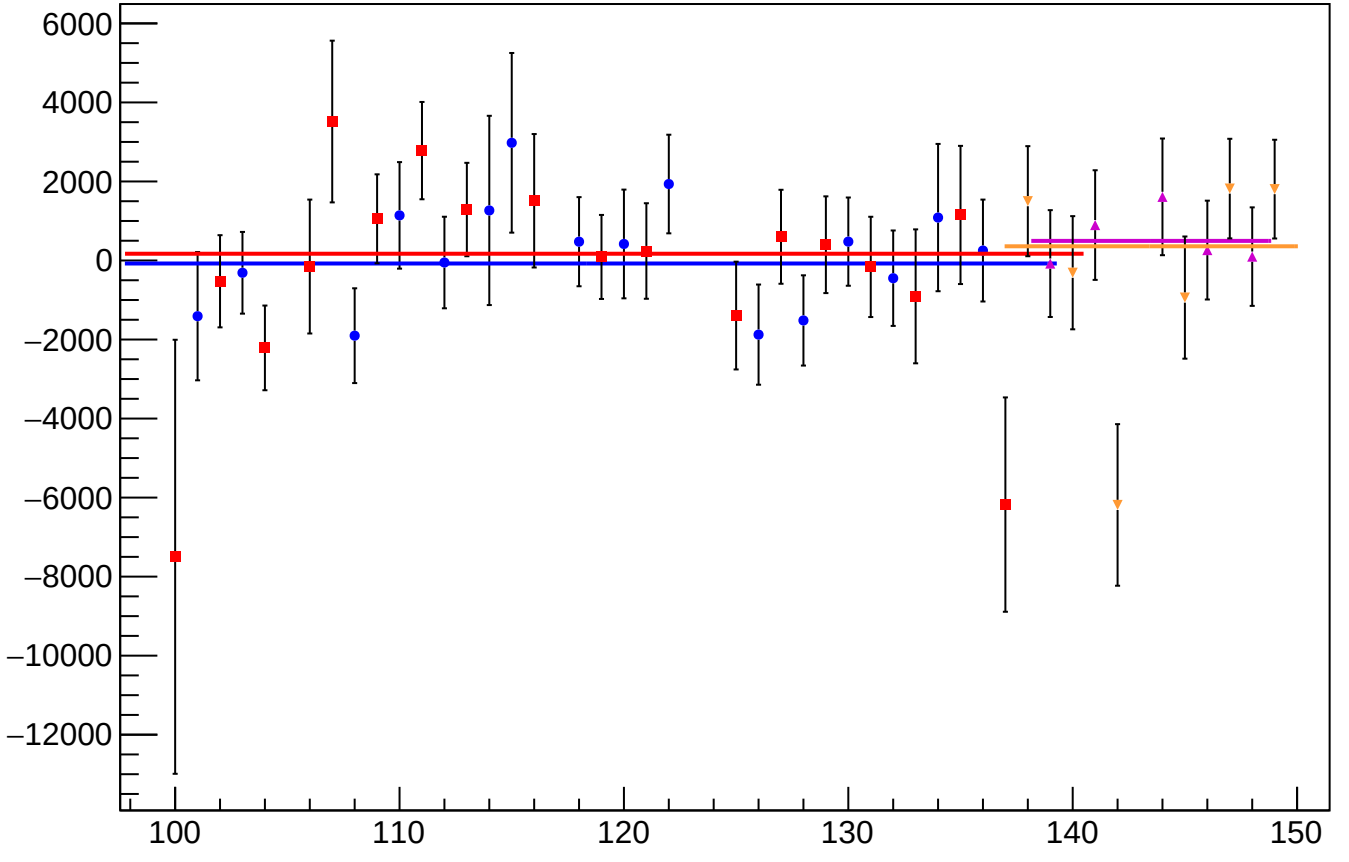
Left In: 3605.123+/-1.229 χ^2/NDF:82448.0/4

+ sign 2805.290+/-0.595 χ^2/NDF: 1187348.0/21

All: 2746.636+/-0.414 χ^2/NDF: 2431178.6/44

- 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: 359.423+/-584.049 χ^2/NDF:14.5/5

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

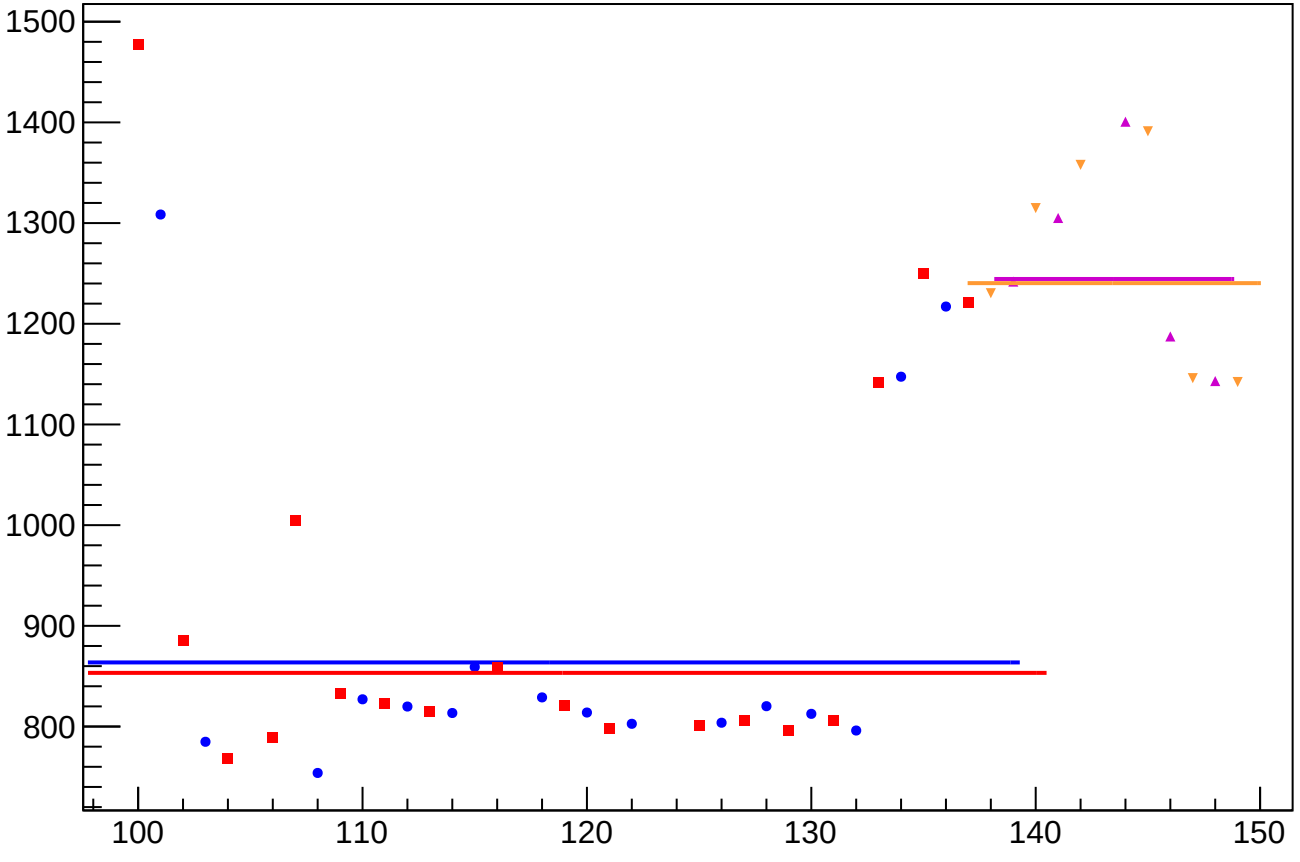
Left In: 496.211+/-596.705 χ^2/NDF:1.0/4

+ sign 27.526+/-284.809 χ^2/NDF: 28.3/21

All: 136.490+/-200.840 χ^2/NDF: 54.1/44

- 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: 1240.358+/-0.413 χ^2/NDF:54731.8/5

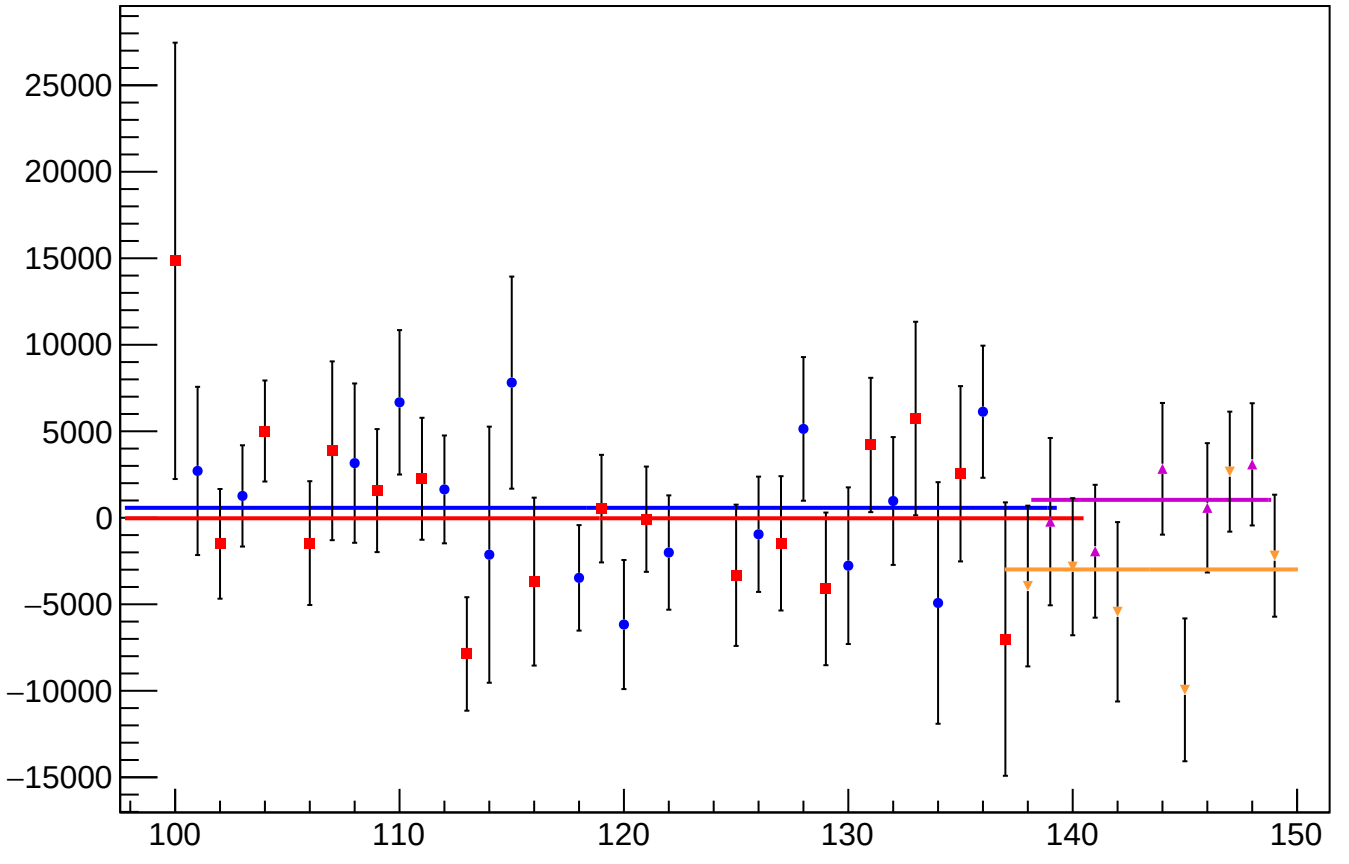
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1244.484+/-0.422 χ^2/NDF:43604.7/4

\+ sign 953.239+/-0.201 χ^2/NDF: 1096368.2/21

All: 946.929+/-0.142 χ^2/NDF: 2084718.6/44

\- 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: -2985.938+/-1645.214 χ^2/NDF:5.8/5

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

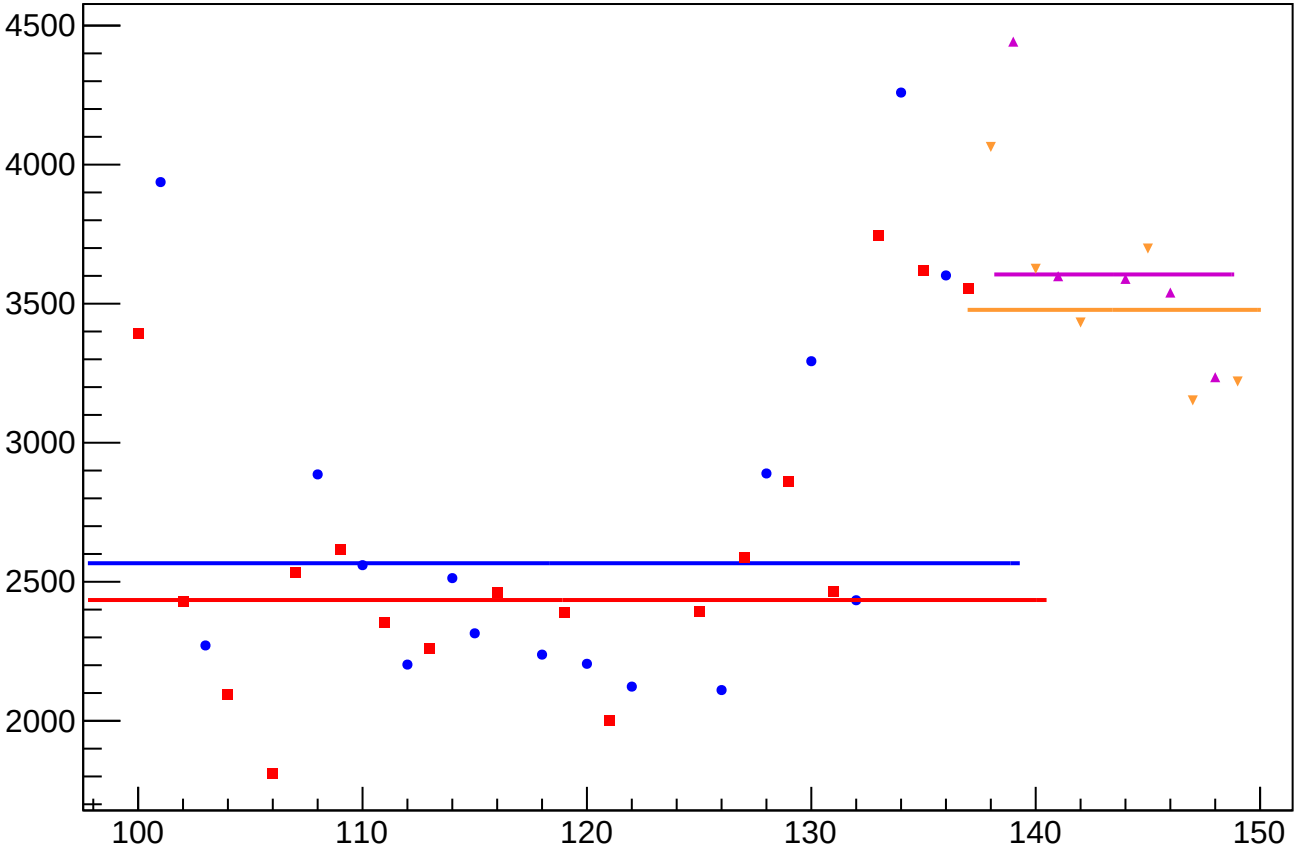
Left In: 1036.808+/-1737.373 χ^2/NDF:1.2/4

+ sign -357.413+/-841.857 χ^2/NDF: 24.0/21

All: -66.633+/-585.372 χ^2/NDF: 42.9/44

- 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: 3477.822+/-1.163 χ^2/NDF:68725.0/5

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

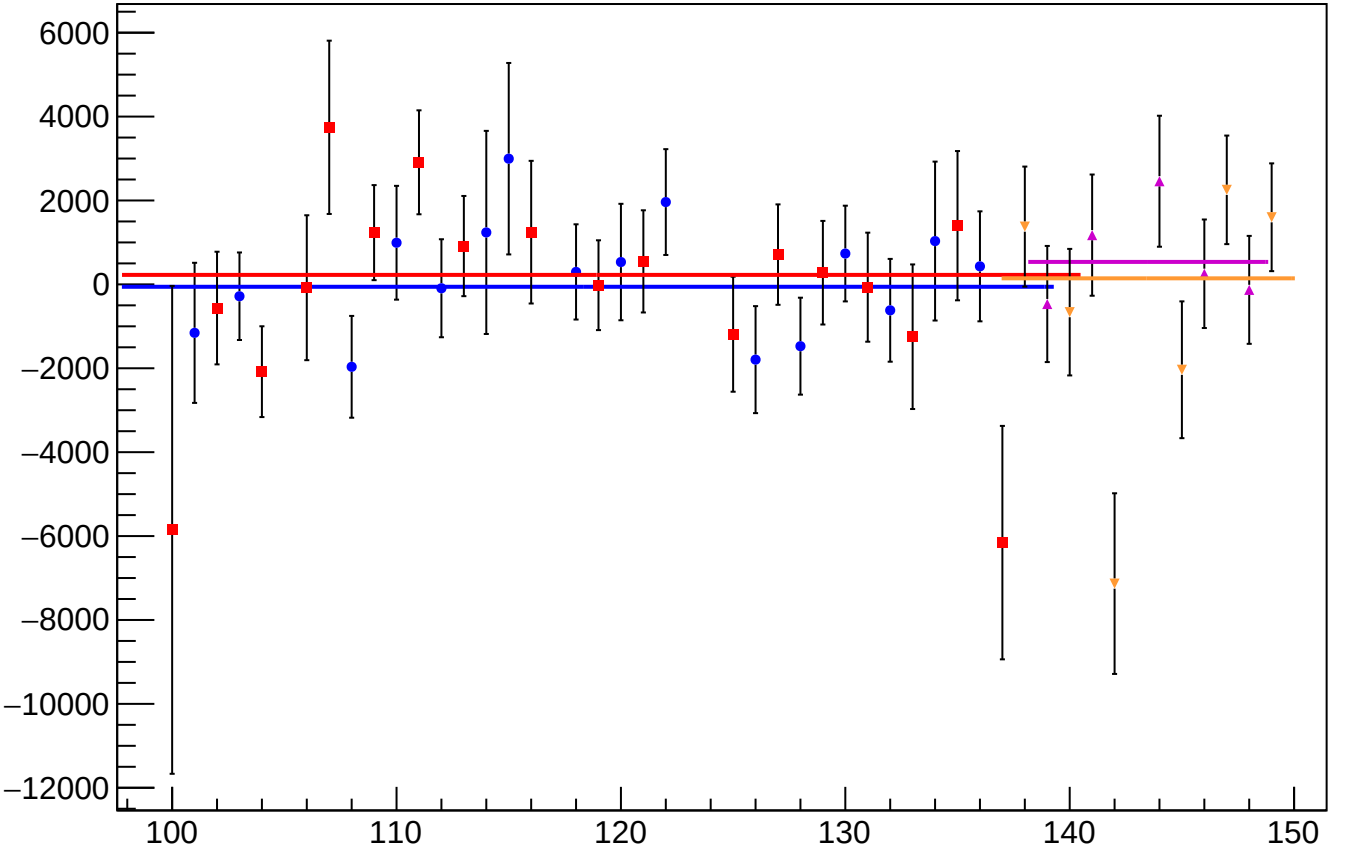
Left In: 3605.123+/-1.229 χ^2/NDF:82448.0/4

+ sign 2805.290+/-0.595 χ^2/NDF: 1187348.0/21

All: 2746.636+/-0.414 χ^2/NDF: 2431178.6/44

- 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: 144.032+/-606.017 χ^2/NDF:18.2/5

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

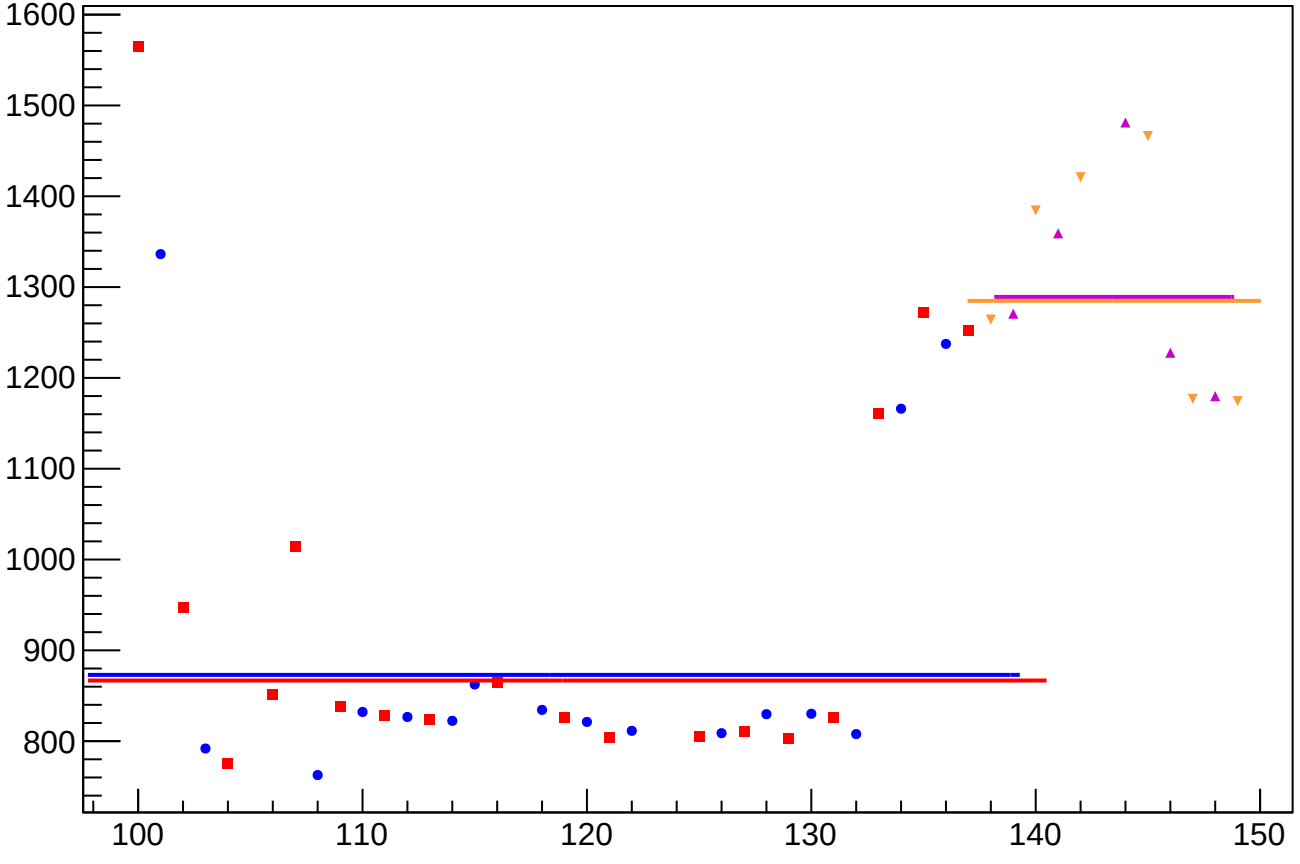
Left In: 535.510+/-618.654 χ^2/NDF:2.6/4

+ sign -11.164+/-289.876 χ^2/NDF: 31.2/21

All: 141.435+/-204.960 χ^2/NDF: 57.5/44

- 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: 1284.836+/-0.429 χ^2/NDF:70591.7/5

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

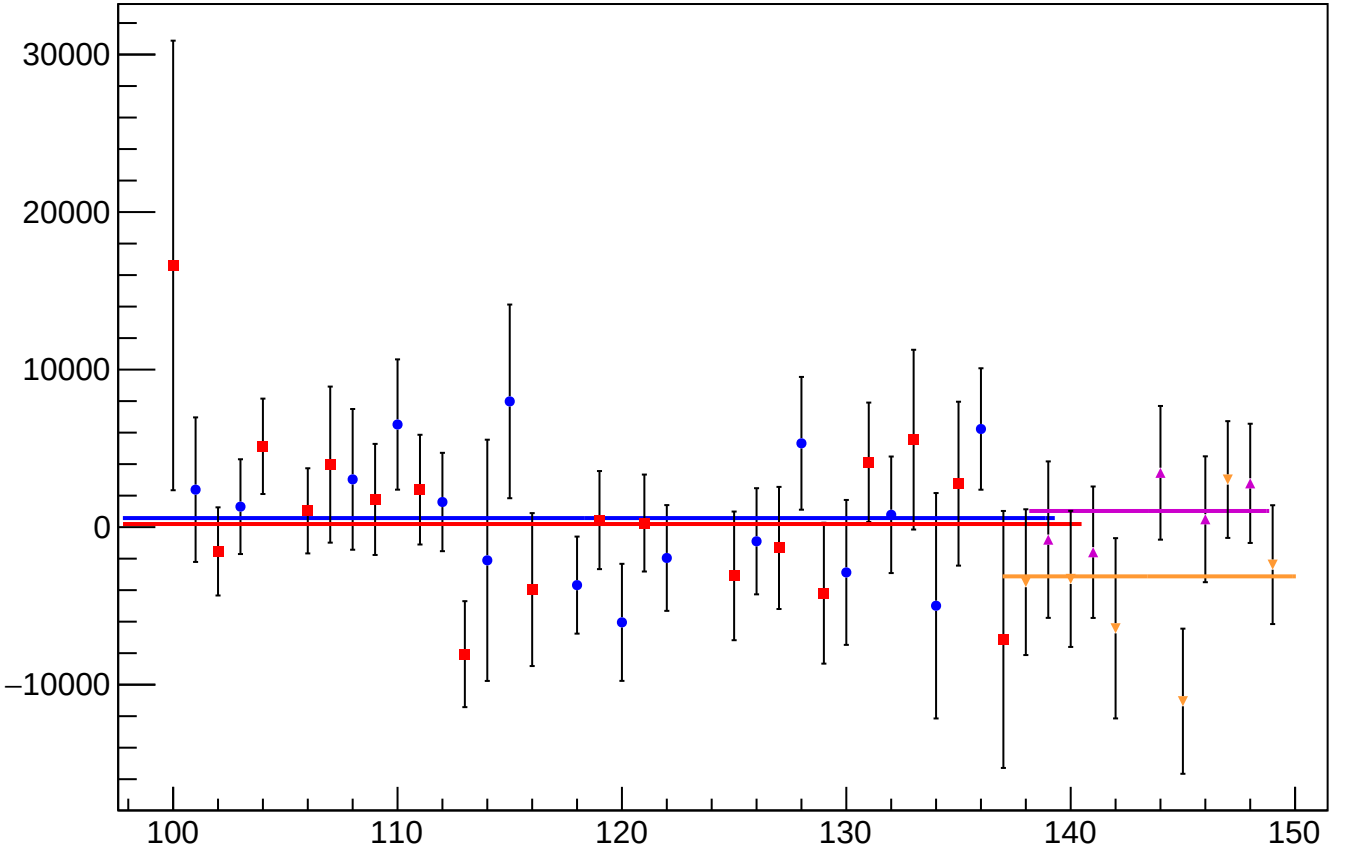
Left In: 1289.172+/-0.437 χ^2/NDF:54260.5/4

+ sign 967.206+/-0.205 χ^2/NDF: 1200111.0/21

All: 963.270+/-0.145 χ^2/NDF: 2273526.2/44

- 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: -3125.061+/-1764.737 χ^2/NDF:6.1/5

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

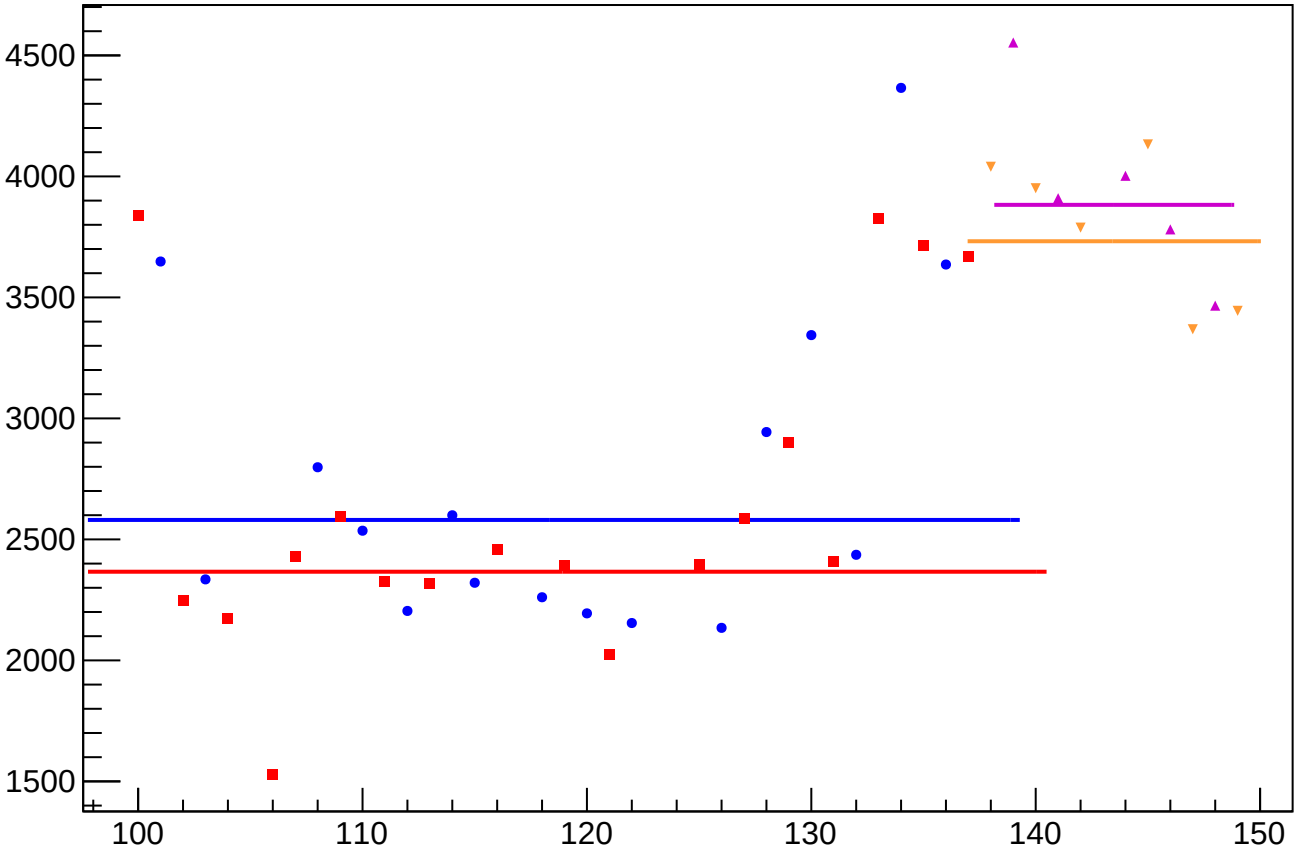
Left In: 1025.736+/-1869.827 χ^2/NDF:1.1/4

+ sign -303.543+/-860.019 χ^2/NDF: 24.1/21

All: 45.206+/-588.347 χ^2/NDF: 42.9/44

- 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: 3732.044+/-1.248 χ^2/NDF:60178.4/5

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

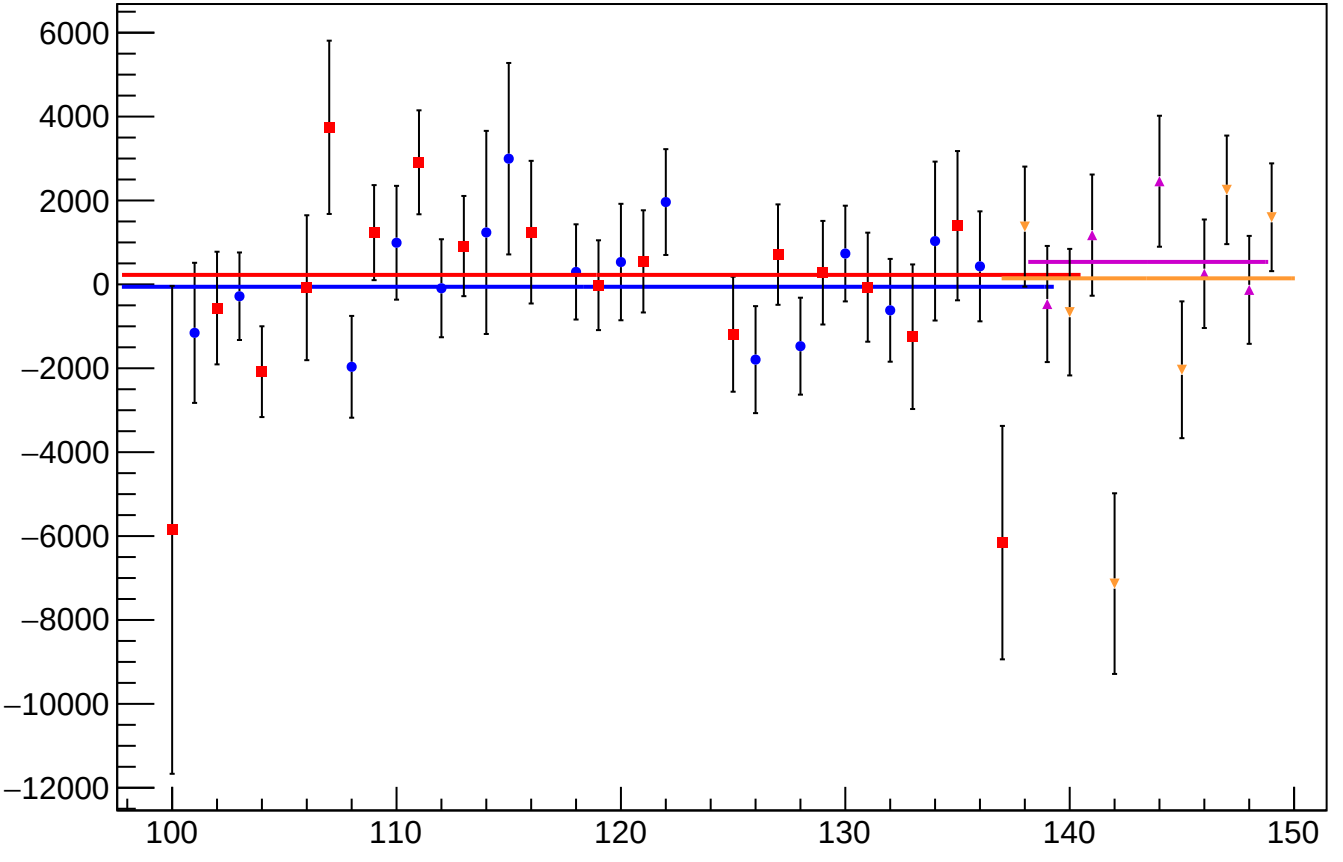
Left In: 3882.459+/-1.322 χ^2/NDF:63711.6/4

+ sign 2853.893+/-0.608 χ^2/NDF: 1326815.8/21

All: 2744.655+/-0.416 χ^2/NDF: 3132966.5/44

- 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: 144.025+/-606.017 χ^2/NDF:18.2/5

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

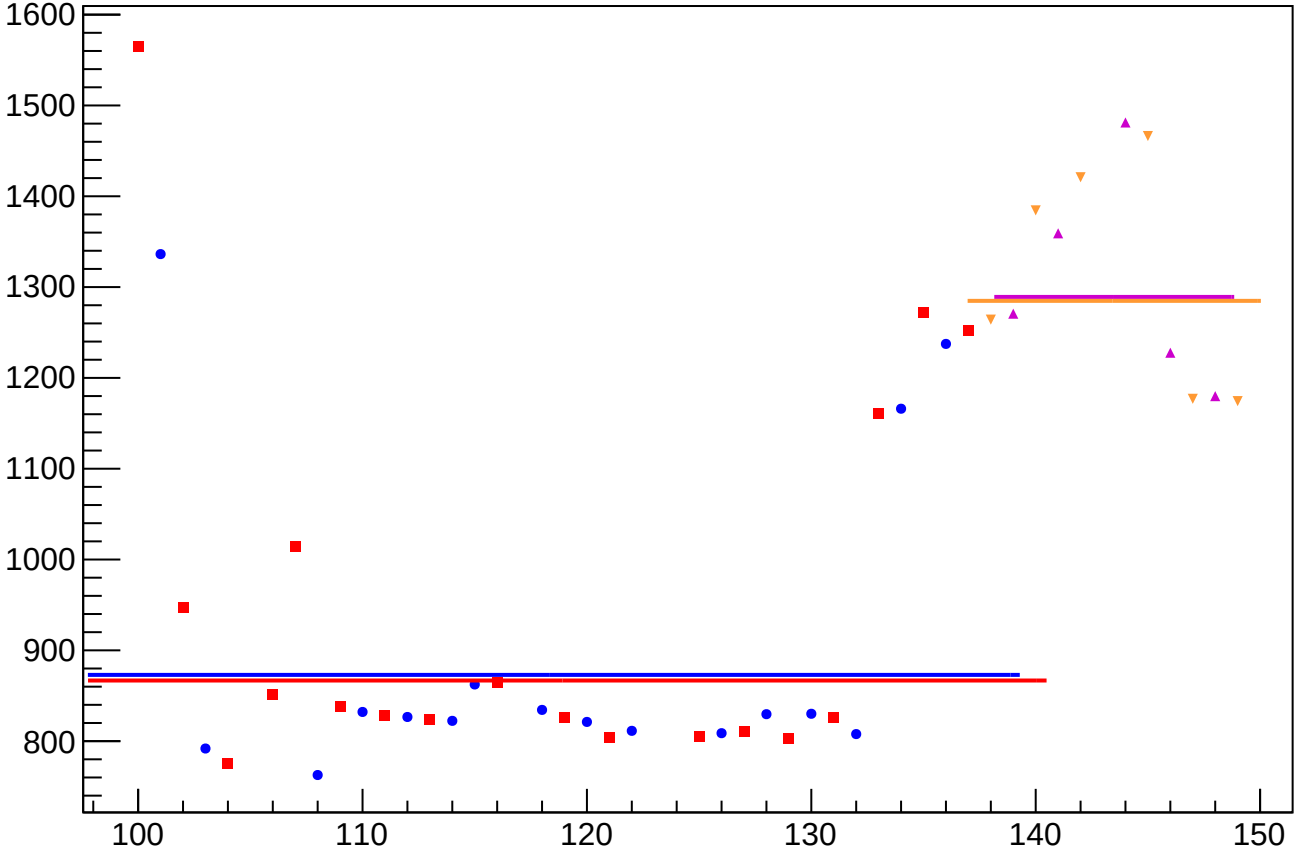
Left In: 535.511+/-618.654 χ^2/NDF:2.6/4

+ sign -11.168+/-289.877 χ^2/NDF: 31.2/21

All: 141.434+/-204.960 χ^2/NDF: 57.5/44

- 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: 1284.837+/-0.429 χ^2/NDF:70593.2/5

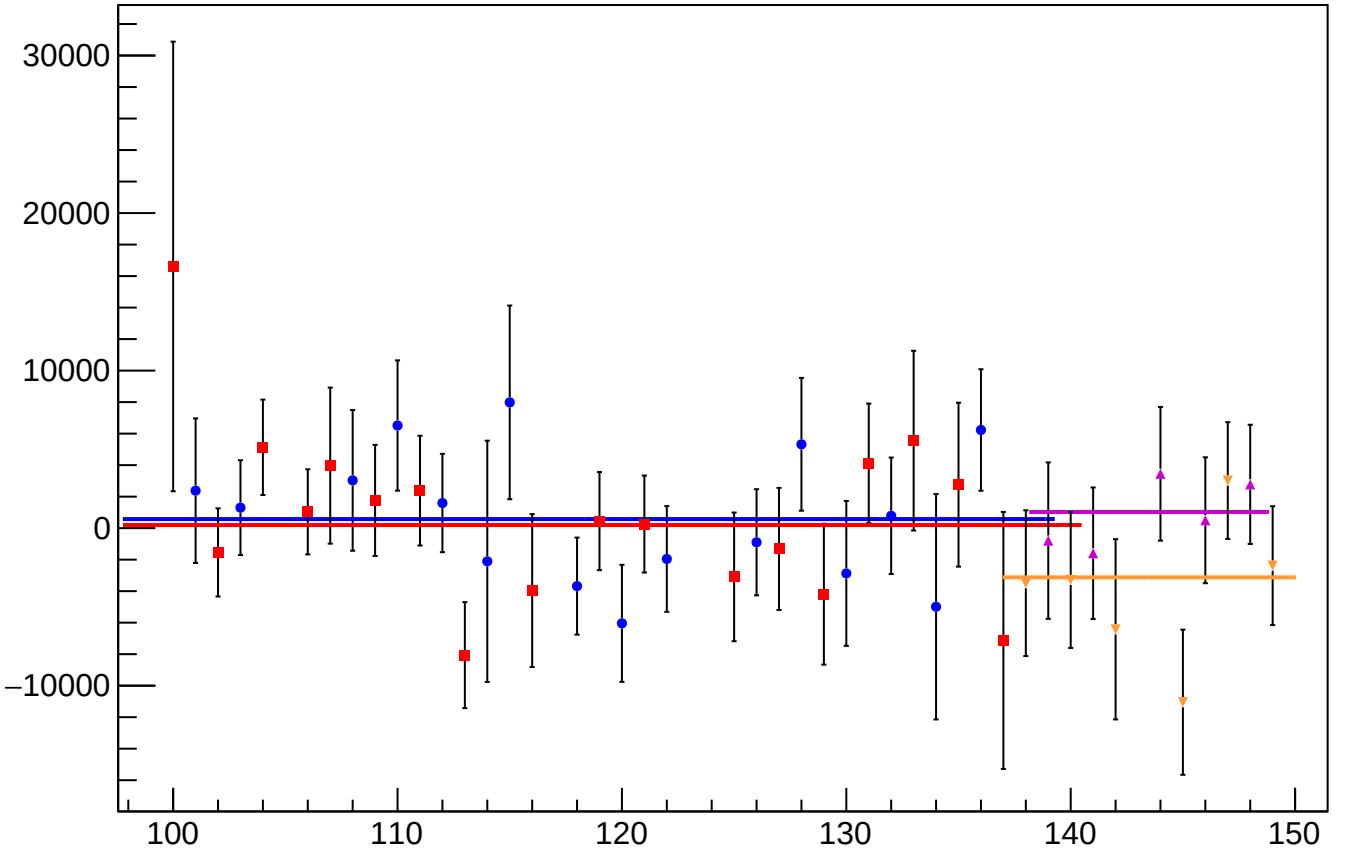
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1289.173+/-0.437 χ^2/NDF:54261.2/4

+ sign 967.206+/-0.205 χ^2/NDF: 1200113.6/21

All: 963.270+/-0.145 χ^2/NDF: 2273532.1/44

- 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: -3125.065+/-1764.739 χ^2/NDF:6.1/5

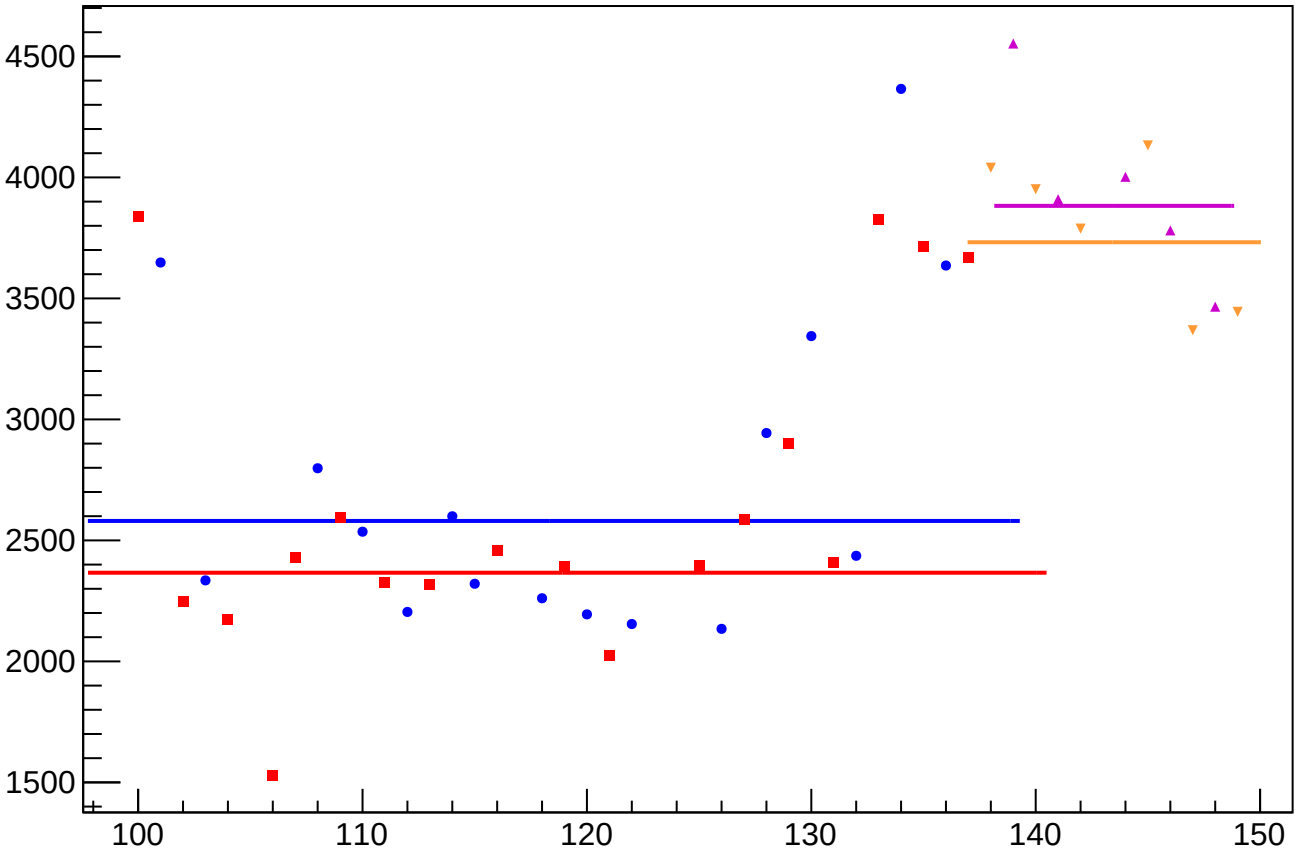
Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 1025.738+/-1869.830 χ^2/NDF:1.1/4

+ sign -303.541+/-860.017 χ^2/NDF: 24.1/21

All: 45.207+/-588.346 χ^2/NDF: 42.9/44

- 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: 3732.050+/-1.248 χ^2/NDF:60180.6/5

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

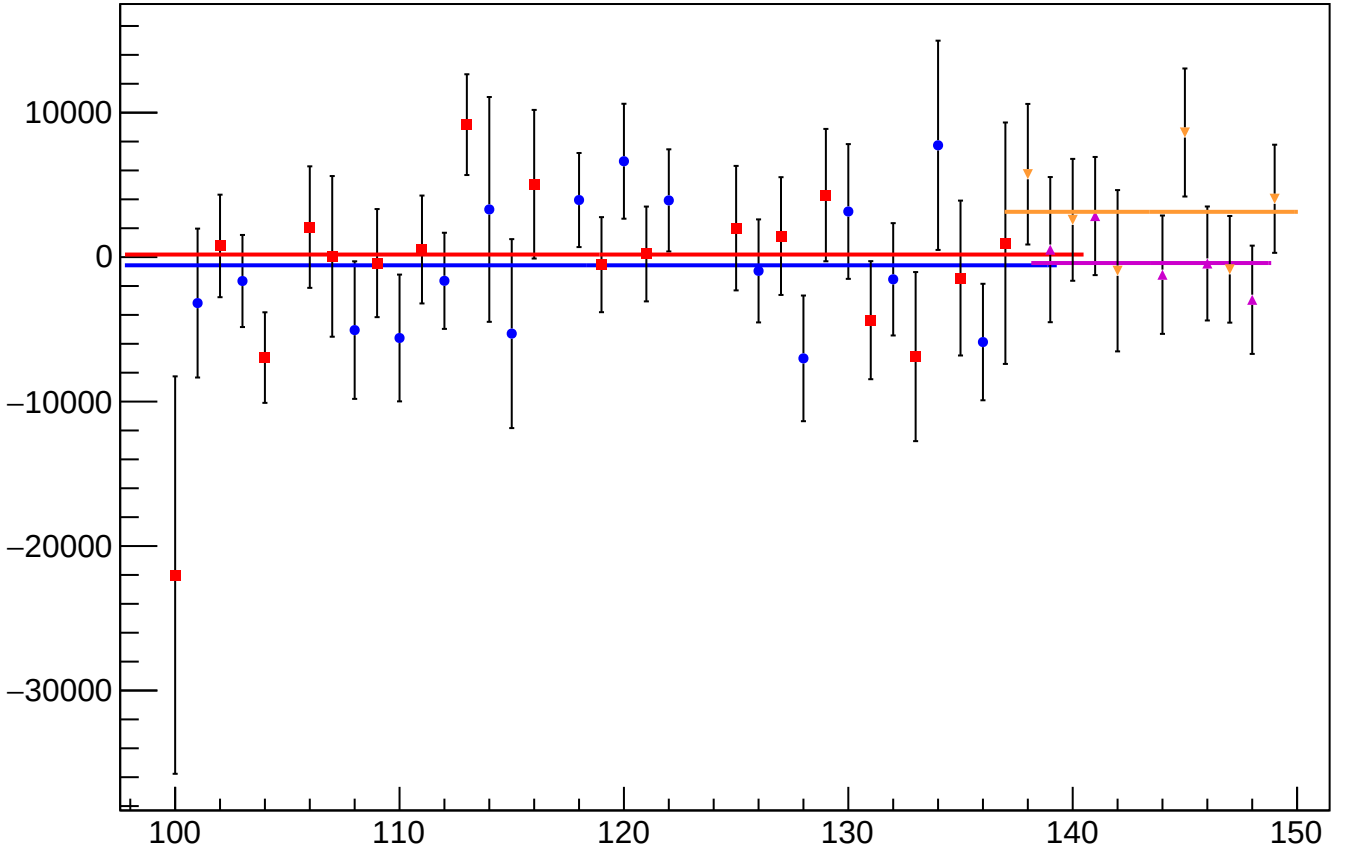
Left In: 3882.464+/-1.322 χ^2/NDF:63713.5/4

+ sign 2853.886+/-0.608 χ^2/NDF: 1326840.1/21

All: 2744.648+/-0.416 χ^2/NDF: 3133012.3/44

- 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: 3135.529+/-1750.842 χ^2/NDF:3.6/5

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

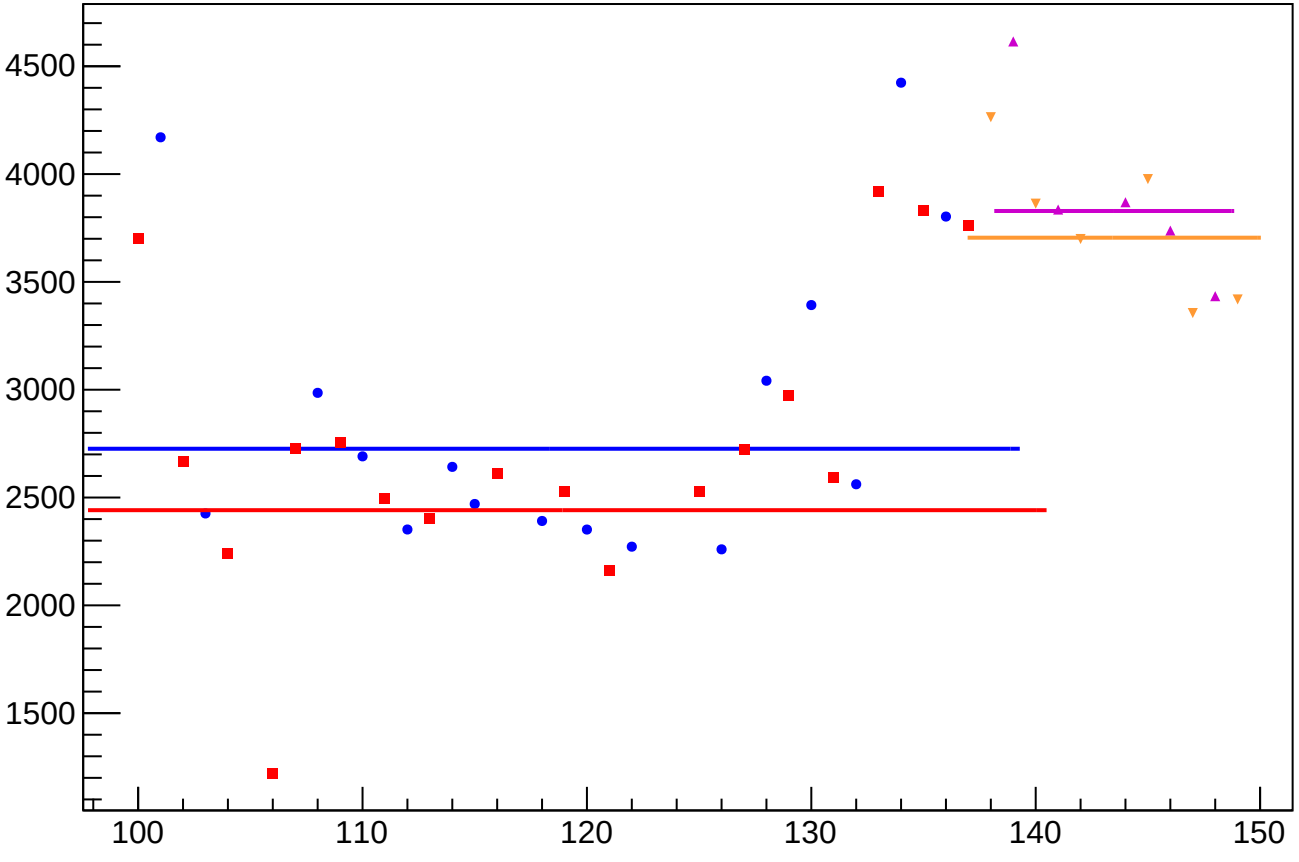
Left In: -408.770+/-1842.850 χ^2/NDF:1.2/4

\+ sign 399.763+/-894.350 χ^2/NDF: 23.1/21

All: 218.912+/-623.990 χ^2/NDF: 44.0/44

\- 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: 3705.013+/-1.238 χ^2/NDF:66324.6/5

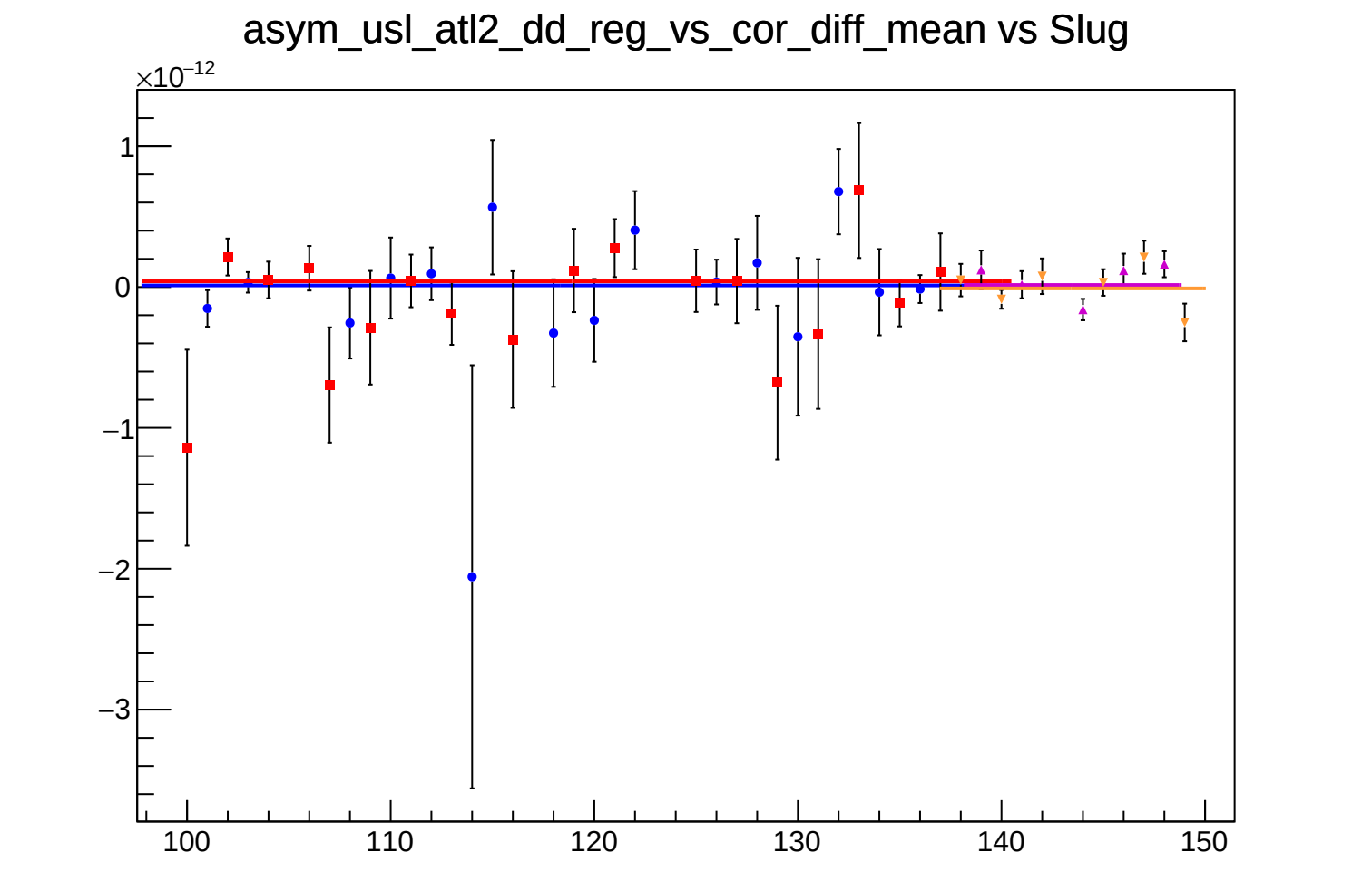
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3828.819+/-1.303 χ^2/NDF:72475.3/4

+ sign 2981.623+/-0.632 χ^2/NDF: 1151354.6/21

All: 2847.541+/-0.433 χ^2/NDF: 3097883.2/44

- sign 2729.369+/-0.594 χ^2/NDF: 1861957.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/5

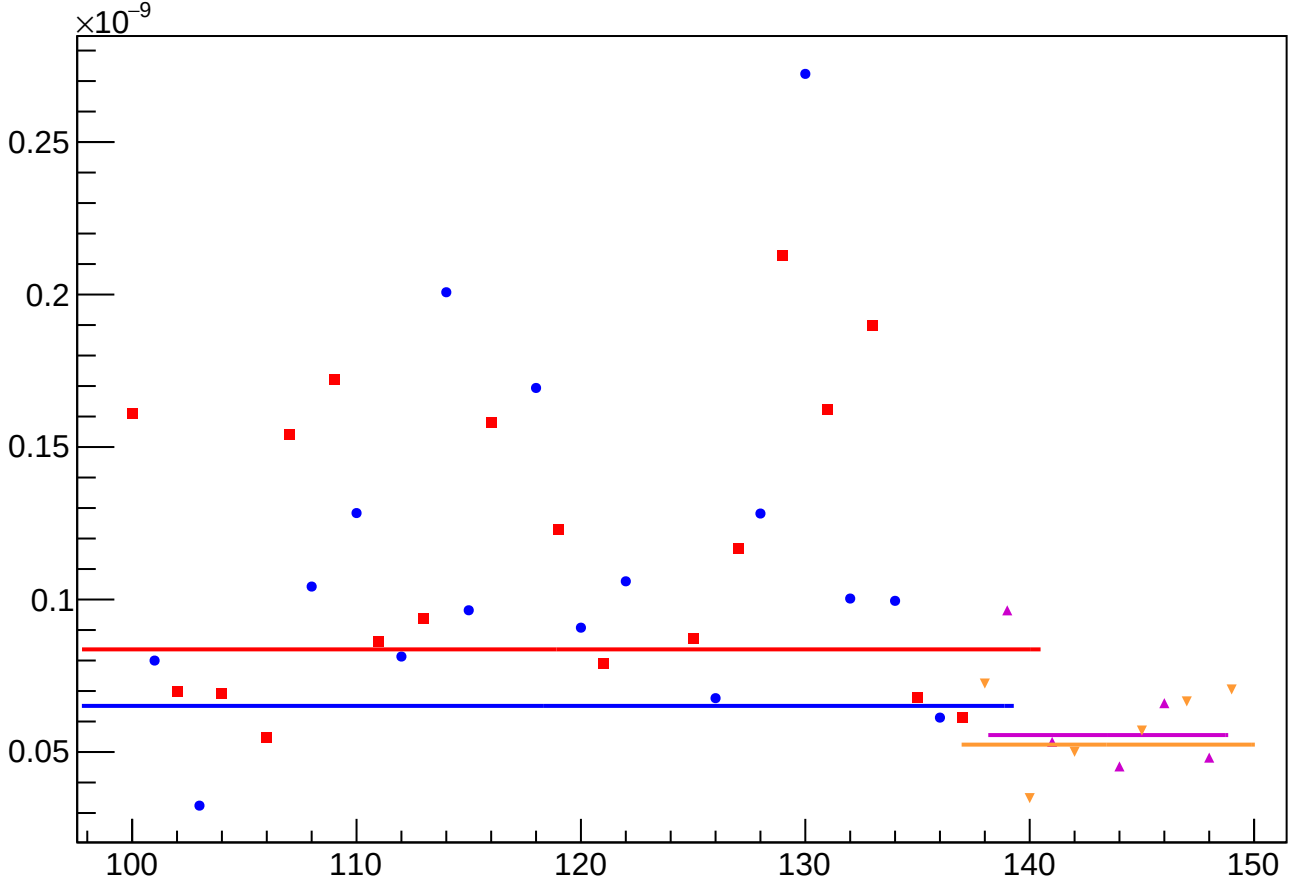
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:9.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 24.6/21

All: 0.000+/-0.000 χ^2/NDF: 51.2/44

- 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:269306.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

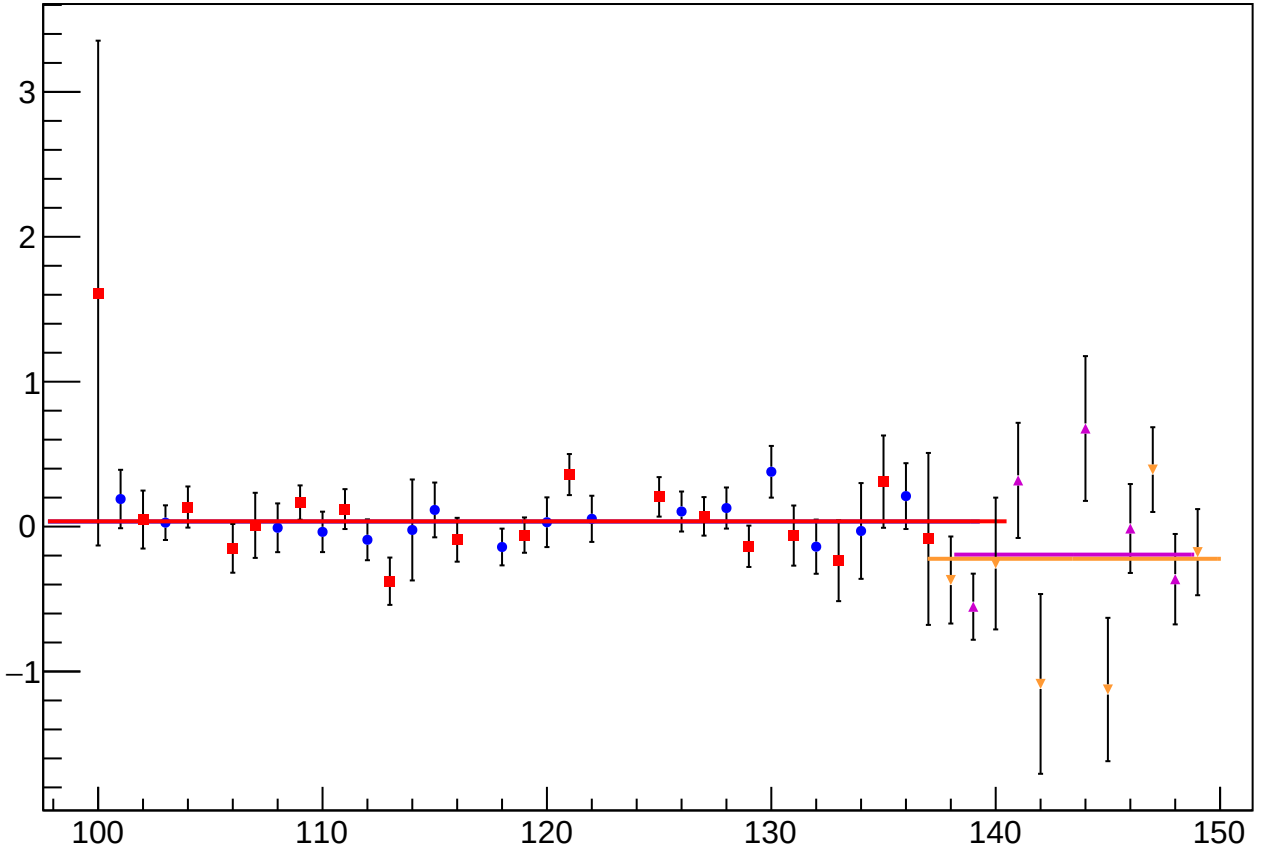
Left In: 0.000+/-0.000 χ^2/NDF:243208.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 1581513.6/21

All: 0.000+/-0.000 χ^2/NDF: 2920274.9/44

- 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: -0.222+/-0.148 χ^2/NDF:10.0/5

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

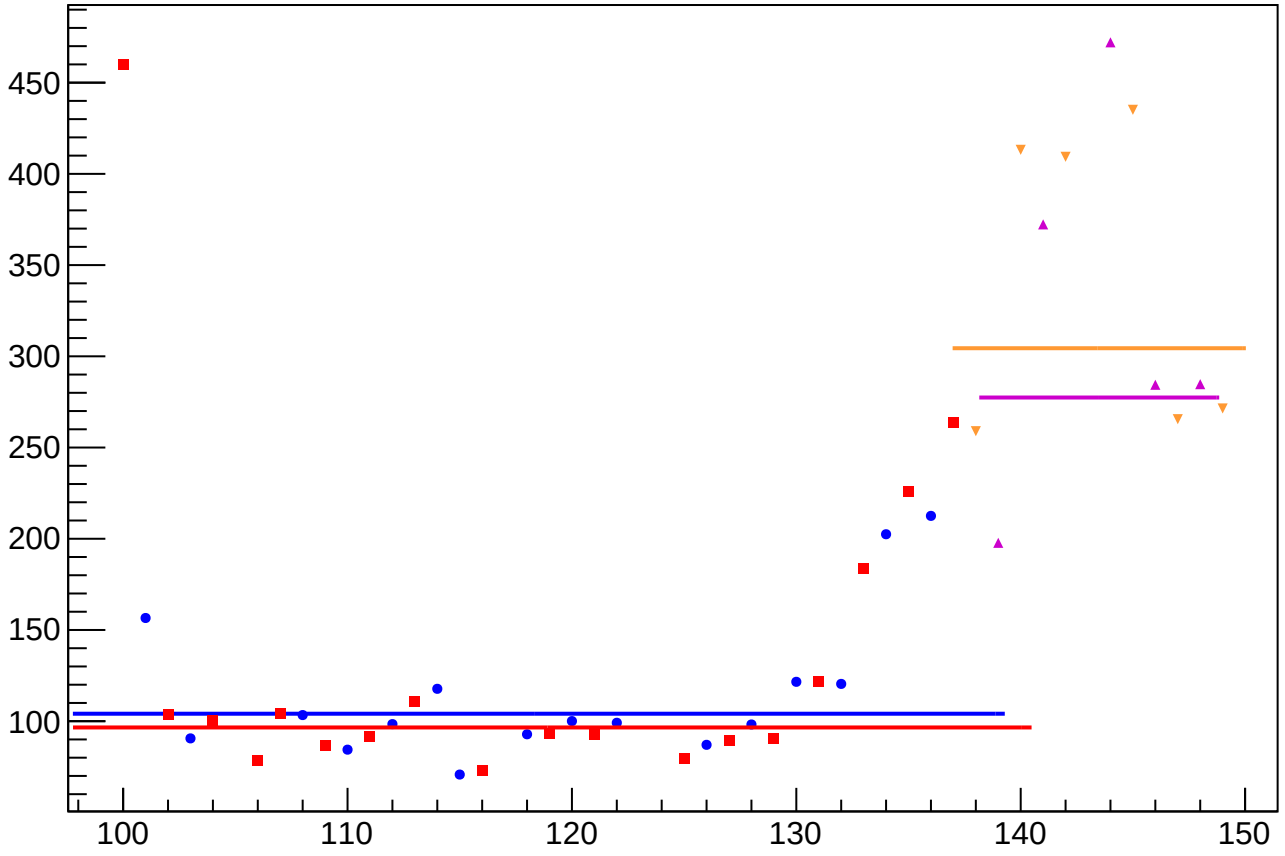
Left In: -0.194+/-0.141 χ^2/NDF:7.8/4

+ sign 0.017+/-0.040 χ^2/NDF: 22.5/21

All: 0.018+/-0.027 χ^2/NDF: 54.9/44

- 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: 304.433+/-0.105 χ^2/NDF:417042.2/5

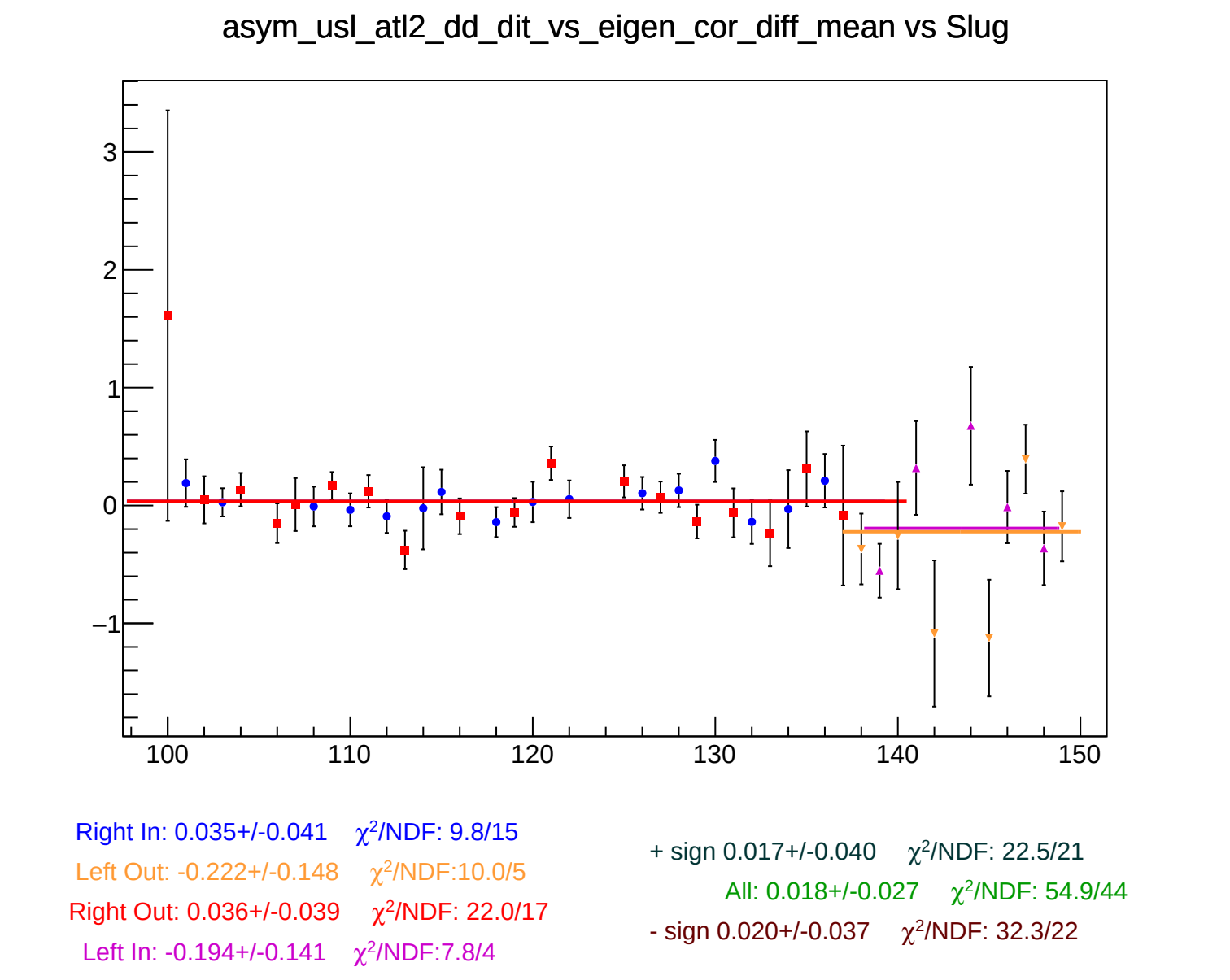
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

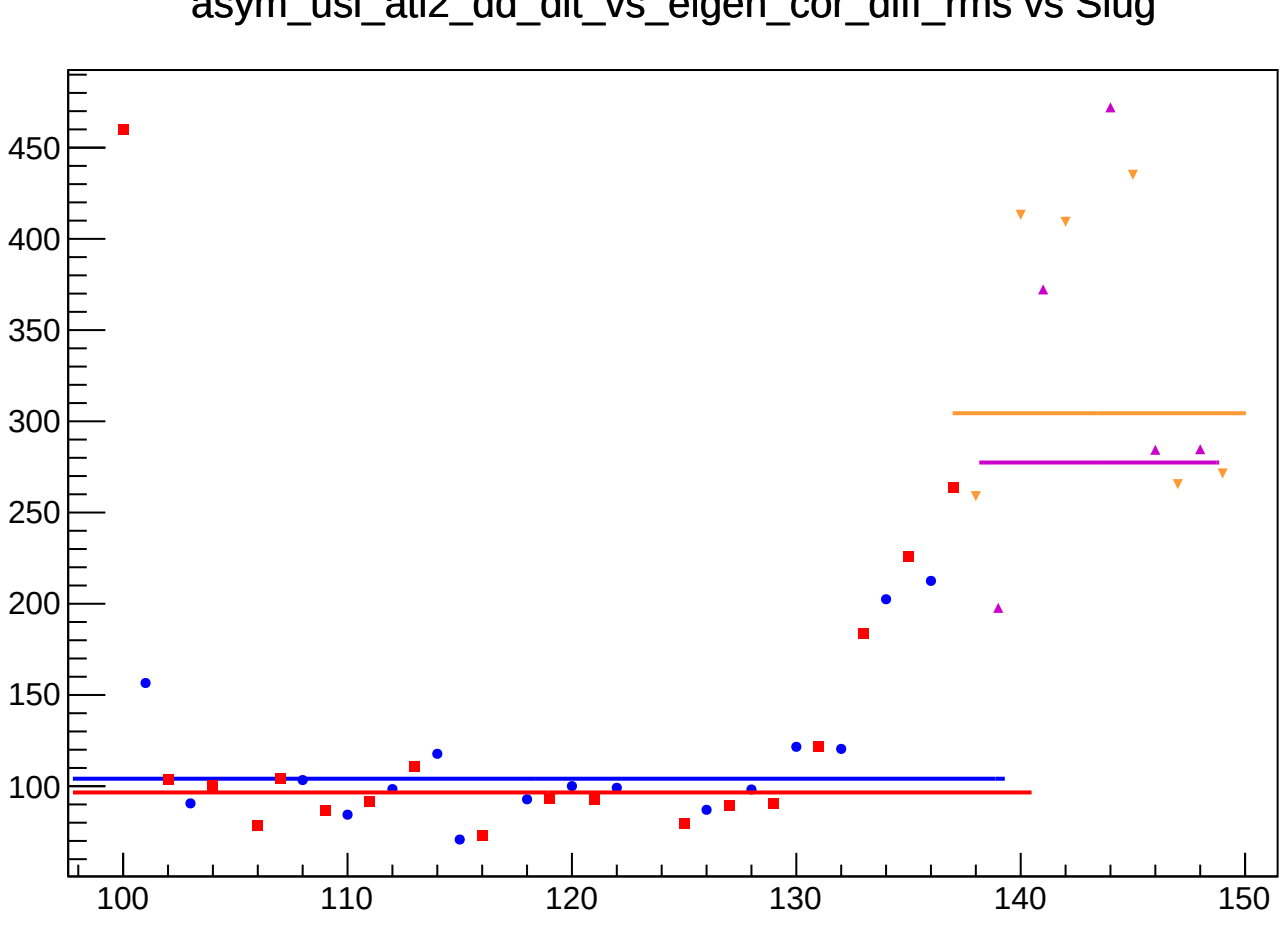
Left In: 277.414+/-0.100 χ^2/NDF:663662.5/4

+ sign 118.384+/-0.028 χ^2/NDF: 4806710.9/21

All: 113.651+/-0.019 χ^2/NDF: 9545986.3/44

- sign 109.395+/-0.027 χ^2/NDF: 4684843.3/22


asym_usl_atl2_dd_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: -0.222+/-0.148 χ²/NDF:10.0/5
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.194+/-0.141 χ²/NDF:7.8/4
+ sign 0.017+/-0.040 χ²/NDF: 22.5/21
All: 0.018+/-0.027 χ²/NDF: 54.9/44
- sign 0.020+/-0.037 χ²/NDF: 32.3/22



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 304.433+/-0.105 χ^2/NDF:417042.2/5

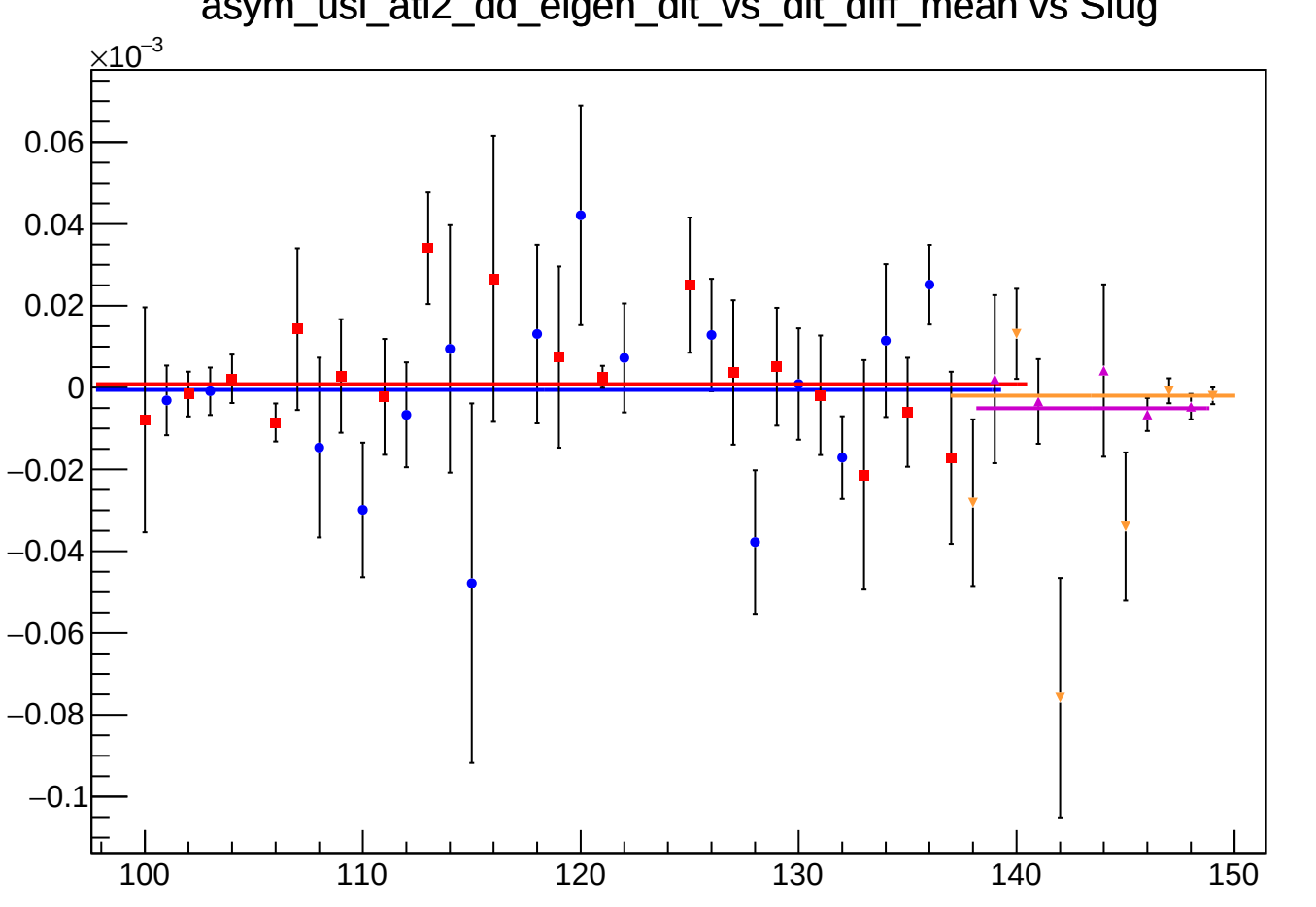
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 277.414+/-0.100 χ^2/NDF:663662.5/4

+ sign 118.384+/-0.028 χ^2/NDF: 4806710.9/21

All: 113.651+/-0.019 χ^2/NDF: 9545986.3/44

- sign 109.395+/-0.027 χ^2/NDF: 4684843.3/22



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/17

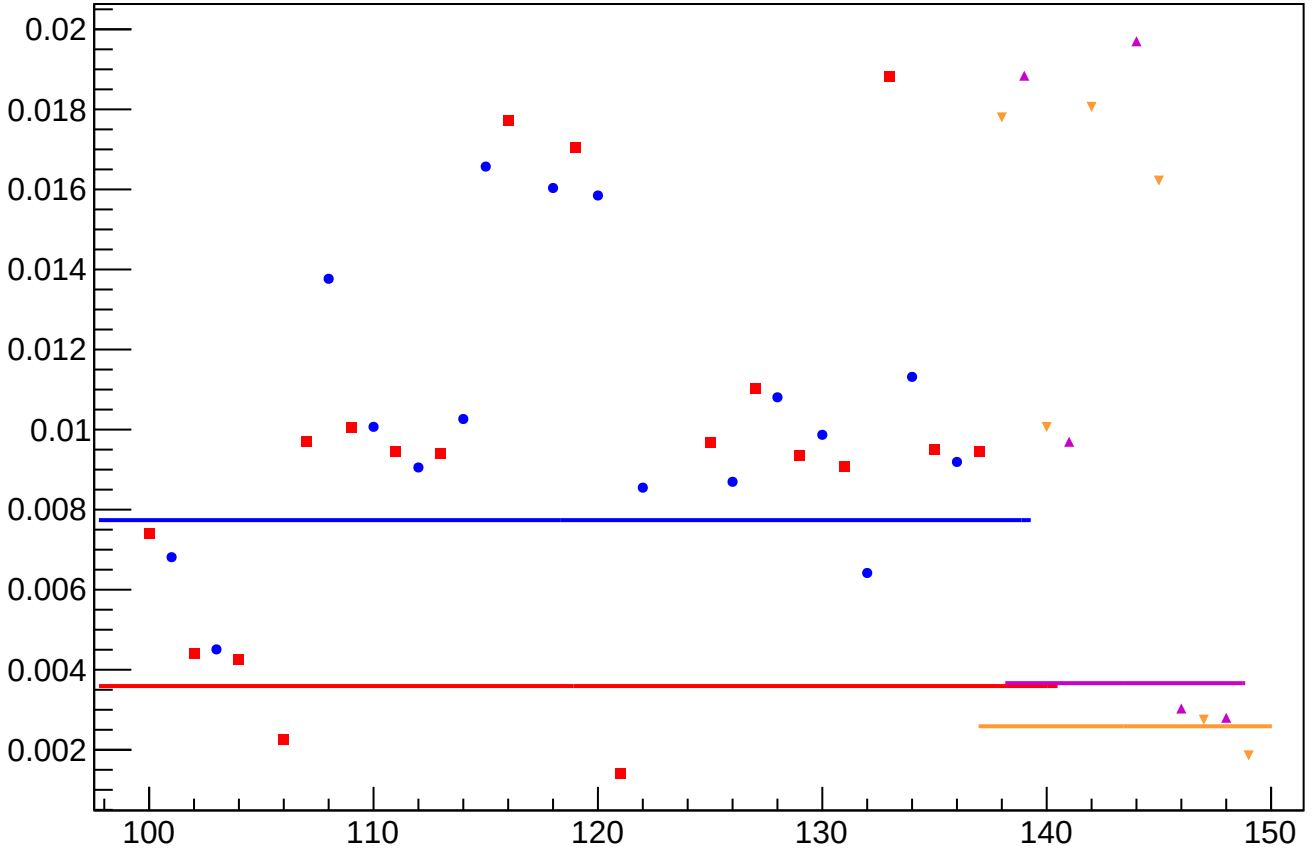
Left In: -0.000+/-0.000 χ^2/NDF:0.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 37.3/21

All: -0.000+/-0.000 χ^2/NDF: 57.6/44

- sign -0.000+/-0.000 χ^2/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: 0.003+/-0.000 χ^2/NDF:3993507.4/5

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

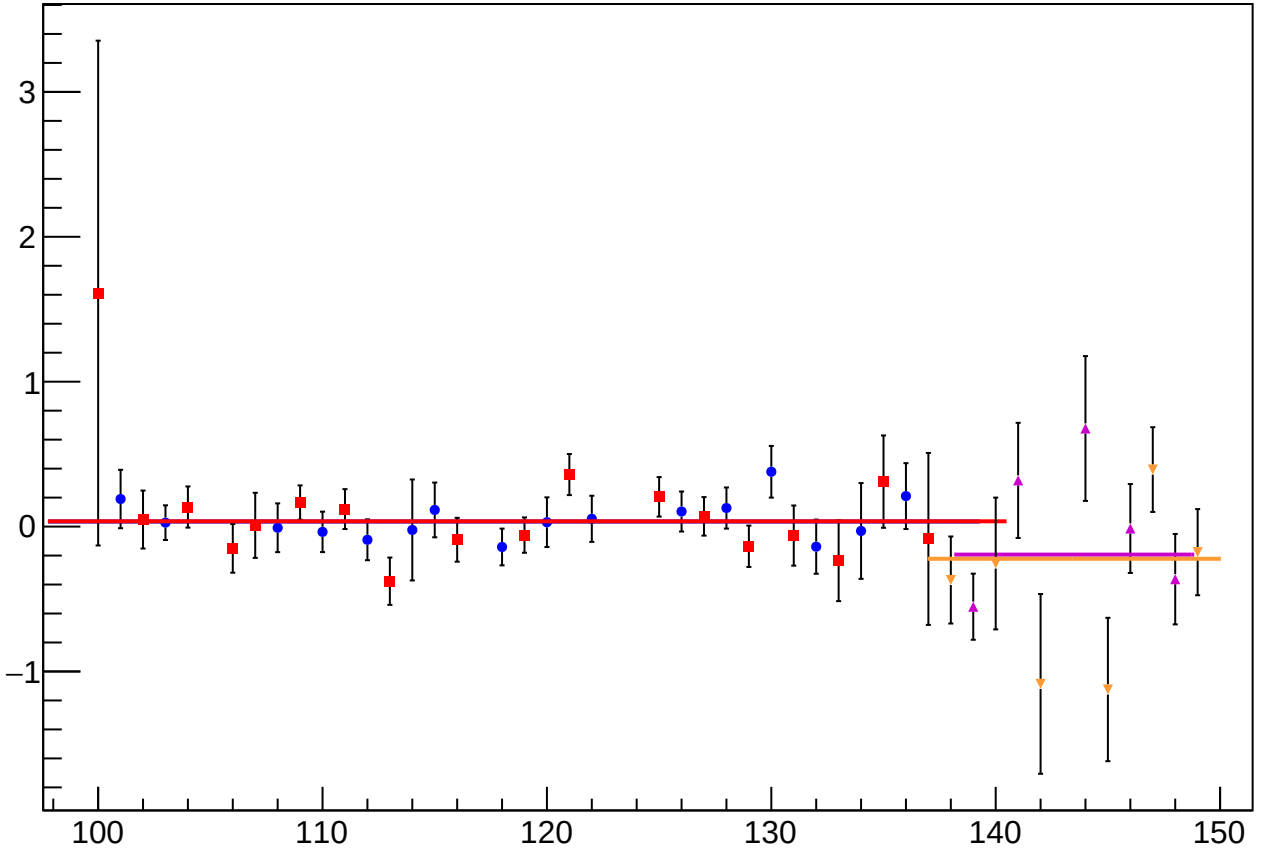
Left In: 0.004+/-0.000 χ^2/NDF:3135252.8/4

+ sign 0.004+/-0.000 χ^2/NDF: 9960126.8/21

All: 0.004+/-0.000 χ^2/NDF: 19467001.7/44

- sign 0.004+/-0.000 χ^2/NDF: 9501318.3/22

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.222+/-0.148 χ^2/NDF:10.0/5

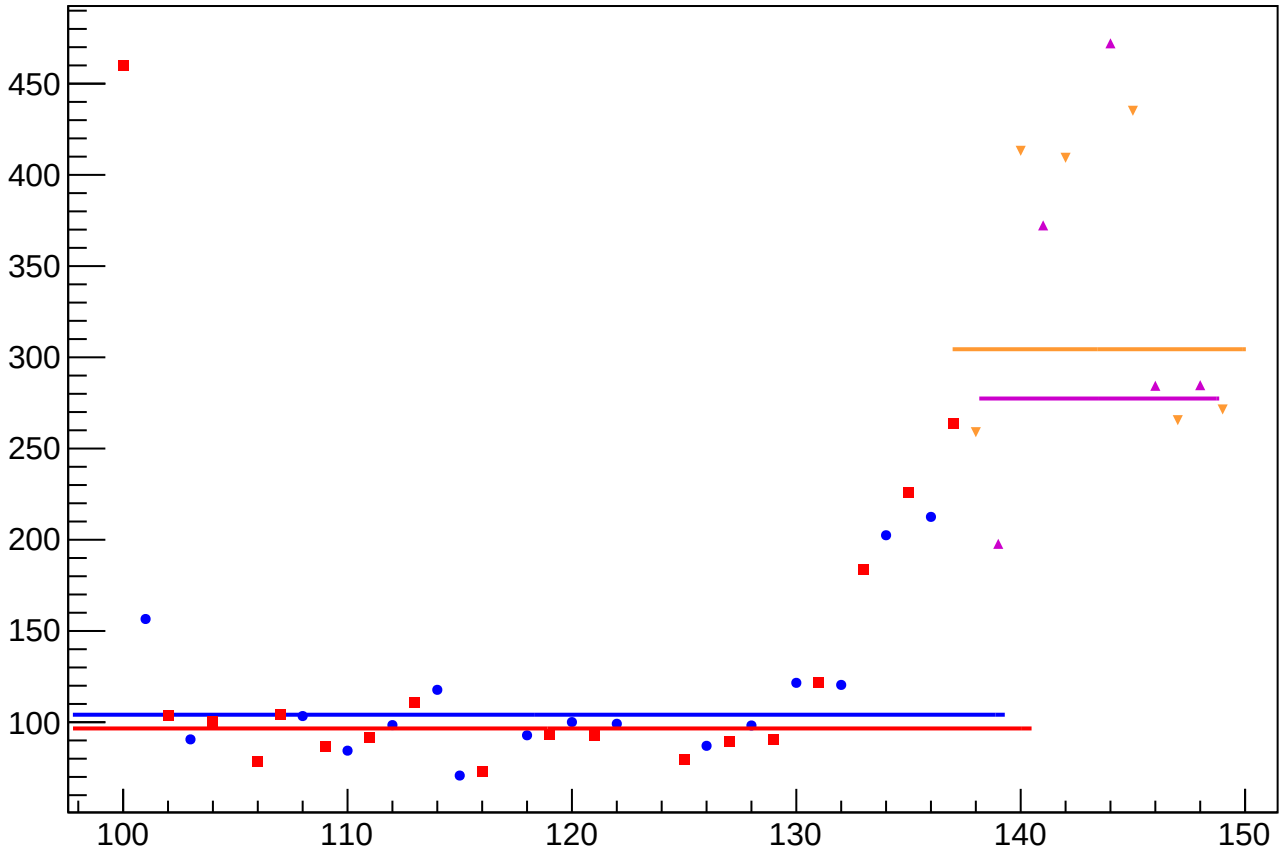
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.194+/-0.141 χ^2/NDF:7.8/4

+ sign 0.017+/-0.040 χ^2/NDF: 22.5/21

All: 0.018+/-0.027 χ^2/NDF: 54.9/44

- 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: 304.434+/-0.105 χ^2/NDF:417071.9/5

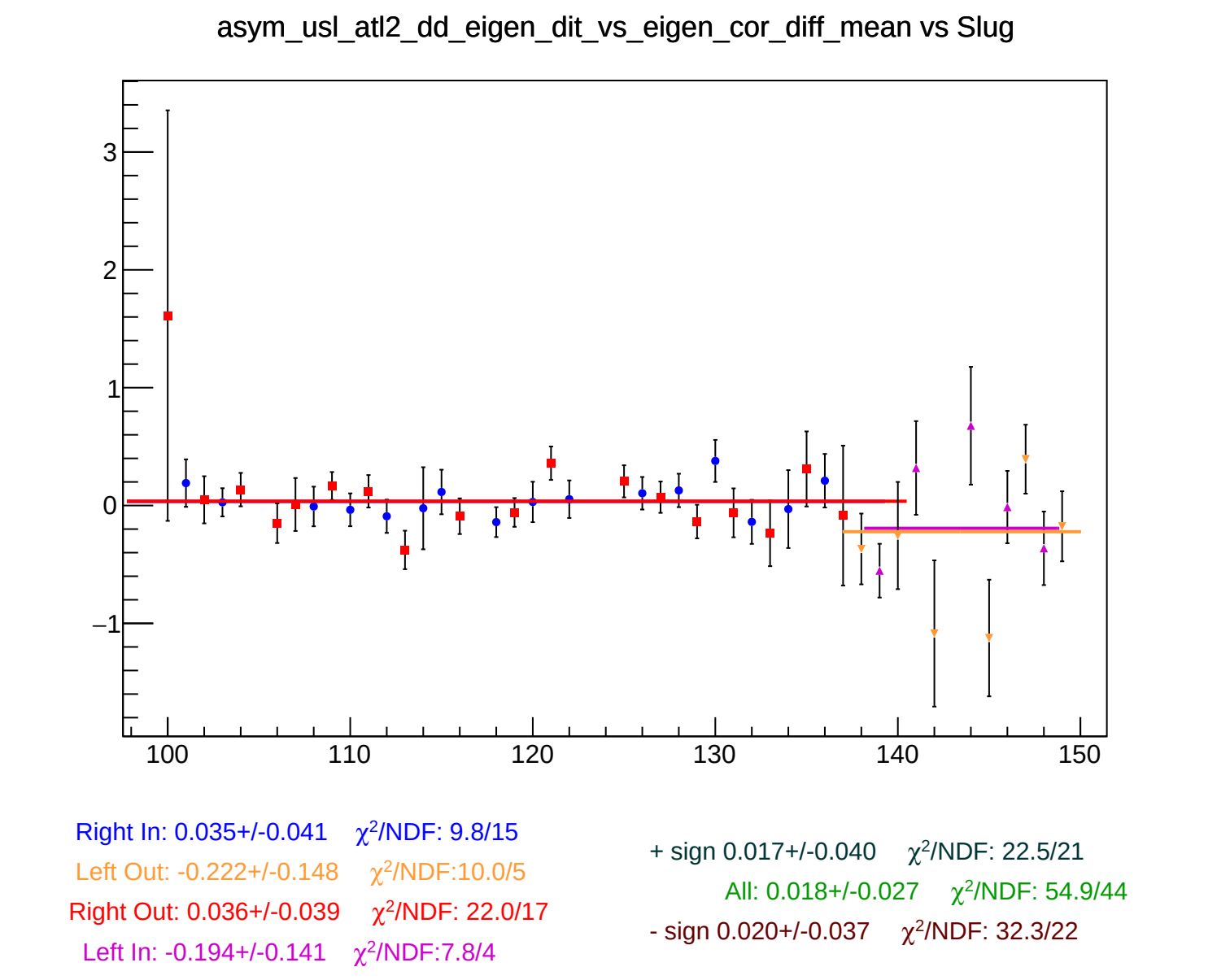
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 277.419+/-0.100 χ^2/NDF:663638.4/4

+ sign 118.385+/-0.028 χ^2/NDF: 4806672.2/21

All: 113.652+/-0.019 χ^2/NDF: 9545863.9/44

- 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
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−1
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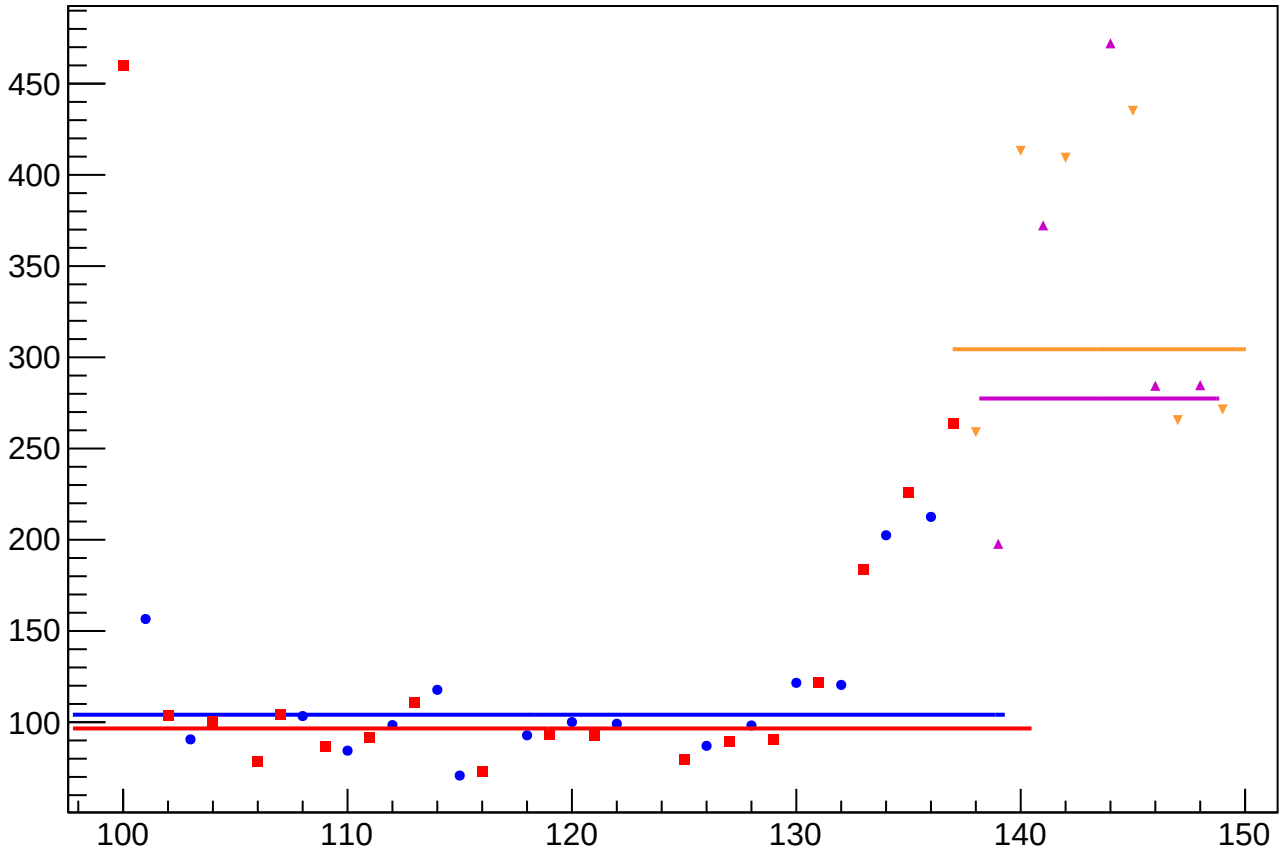
110
120
130
140
150
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.222+/-0.148 χ²/NDF:10.0/5
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.194+/-0.141 χ²/NDF:7.8/4
+ sign 0.017+/-0.040 χ²/NDF: 22.5/21
All: 0.018+/-0.027 χ²/NDF: 54.9/44
- sign 0.020+/-0.037 χ²/NDF: 32.3/22



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 304.434+/-0.105 χ^2/NDF:417071.9/5

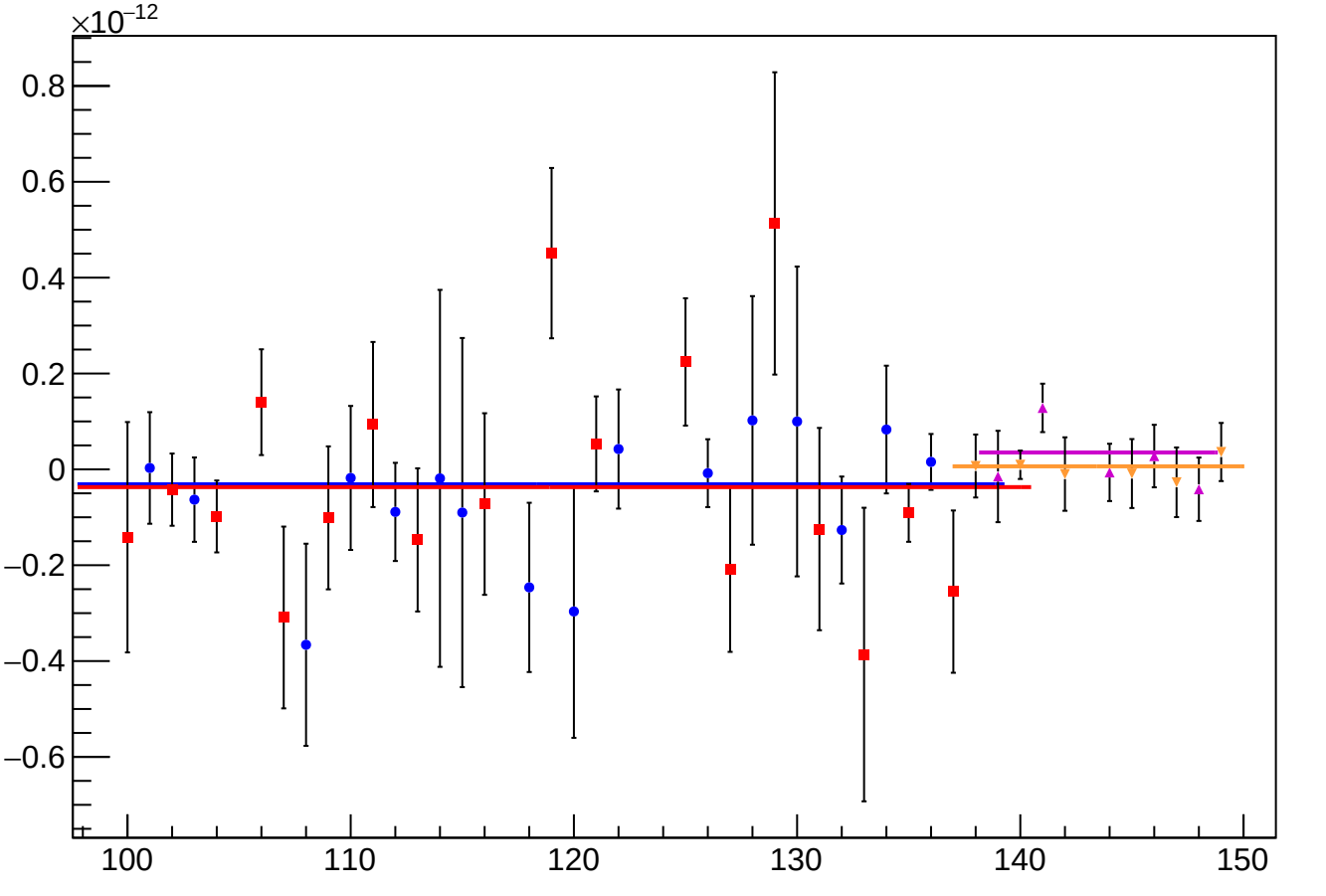
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 277.419+/-0.100 χ^2/NDF:663638.4/4

+ sign 118.385+/-0.028 χ^2/NDF: 4806672.2/21

All: 113.652+/-0.019 χ^2/NDF: 9545863.9/44

- 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:0.6/5

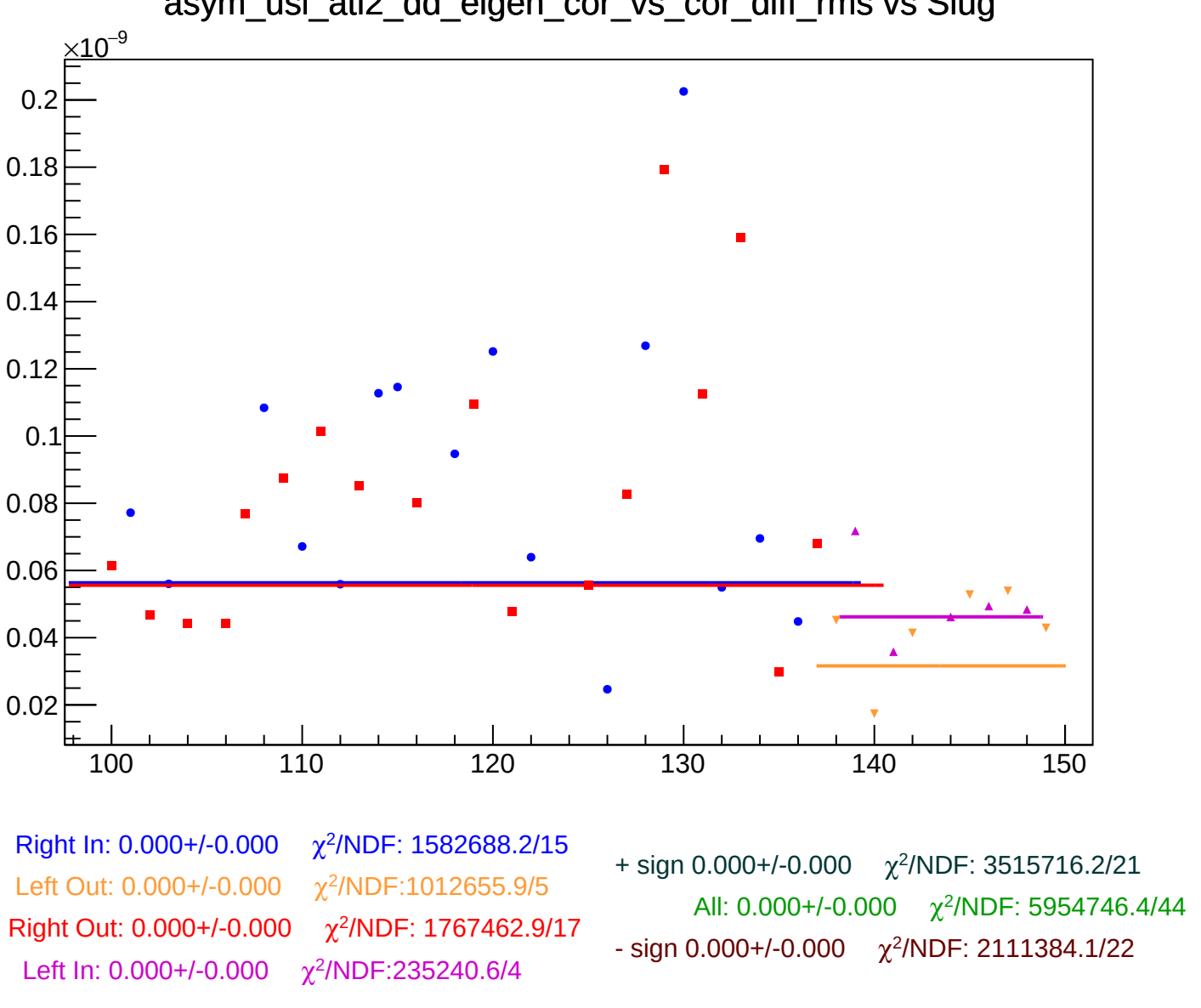
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:5.5/4

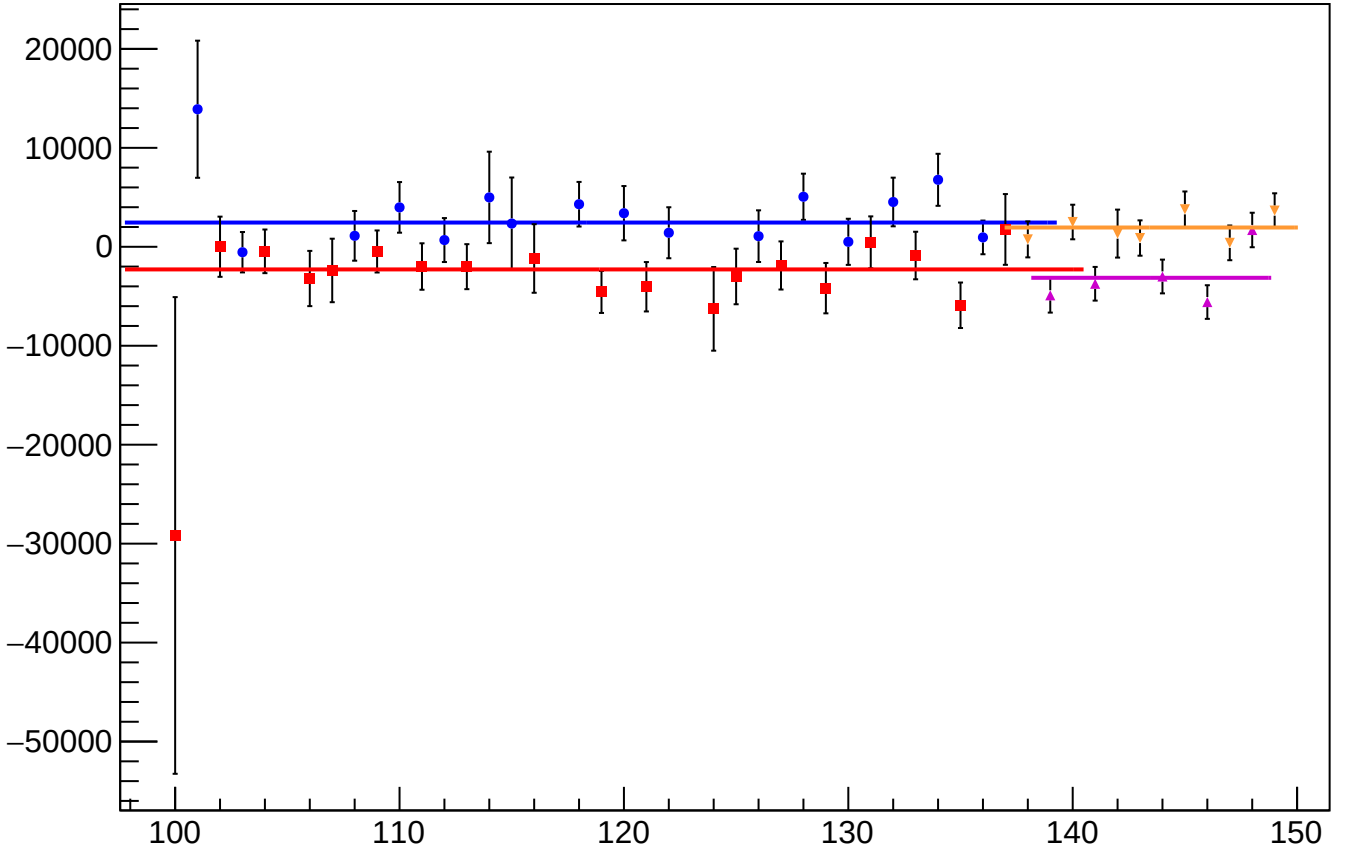
+ sign -0.000+/-0.000 χ^2/NDF: 10.2/21

All: -0.000+/-0.000 χ^2/NDF: 46.0/44

- 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:1012655.9/5
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: 3515716.2/21
All: 0.000+/-0.000 χ²/NDF: 5954746.4/44
- 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: 1949.594+/-694.575 χ^2/NDF:3.7/6

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

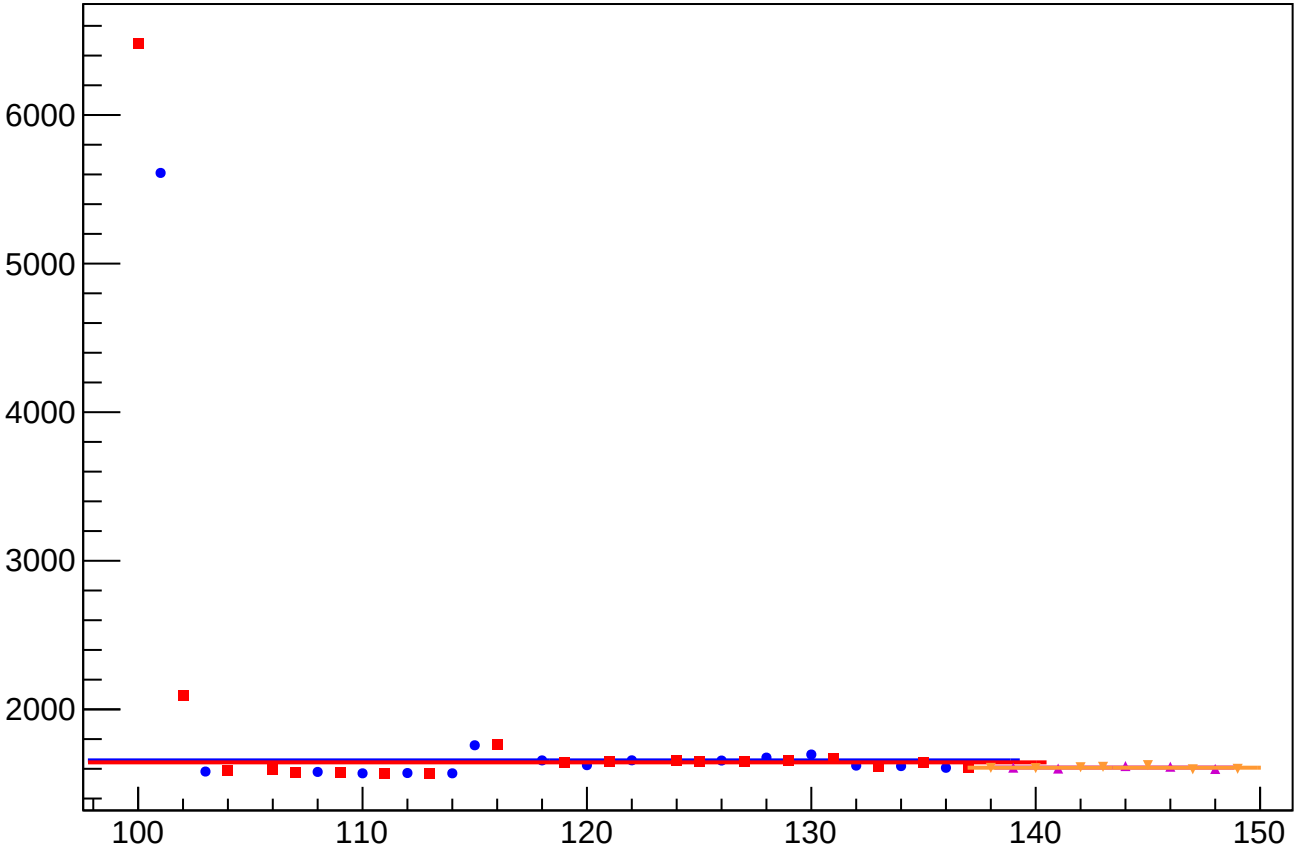
Left In: -3133.916+/-768.941 χ^2/NDF:10.9/4

+ sign 2224.019+/-466.736 χ^2/NDF: 17.9/22

All: -139.595+/-333.767 χ^2/NDF: 93.8/46

- 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: 1607.579+/-0.491 χ^2/NDF:324.7/6

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

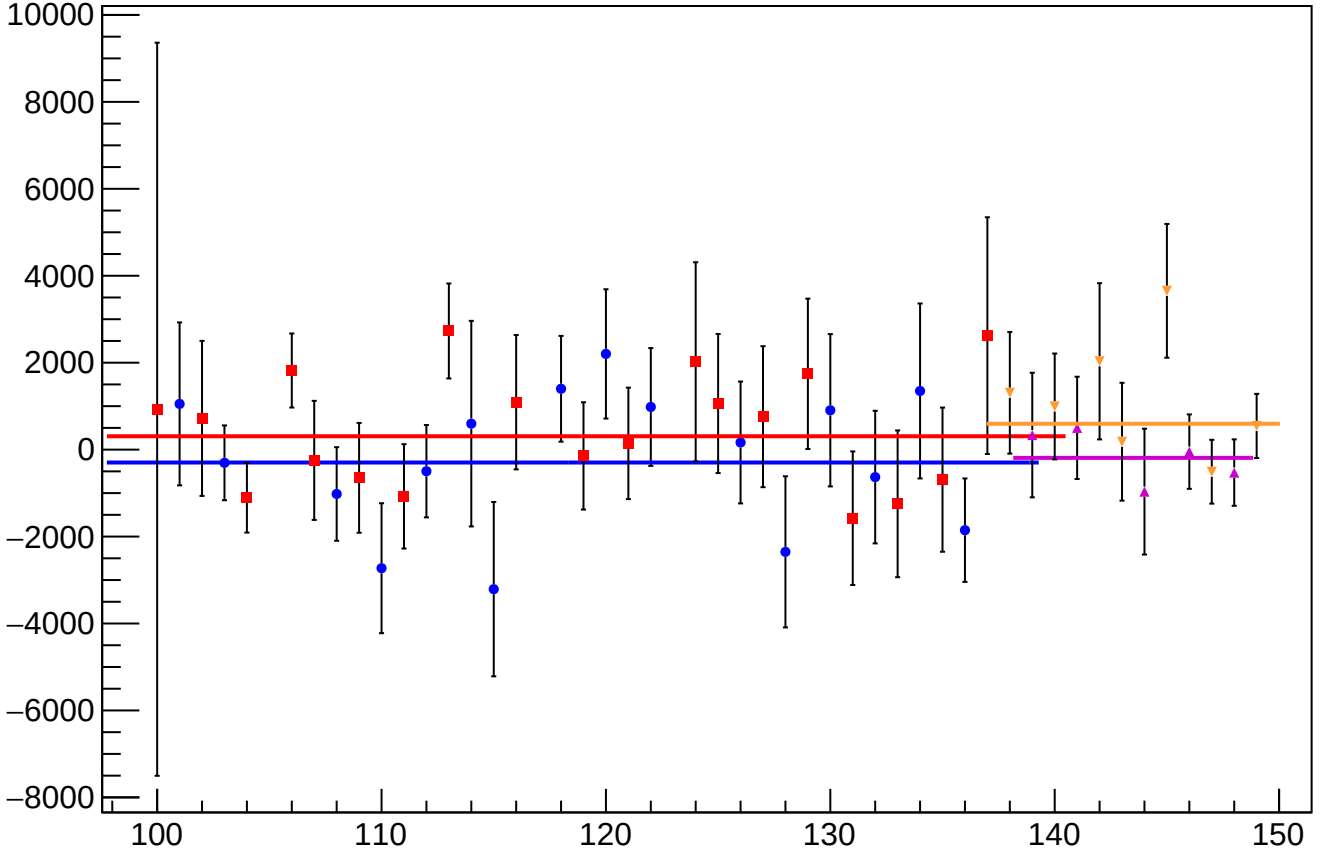
Left In: 1608.399+/-0.544 χ^2/NDF:183.6/4

+ sign 1634.511+/-0.330 χ^2/NDF: 672033.1/22

All: 1632.269+/-0.236 χ^2/NDF: 811859.4/46

- 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: 595.496+/-403.194 χ^2/NDF:7.3/6

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

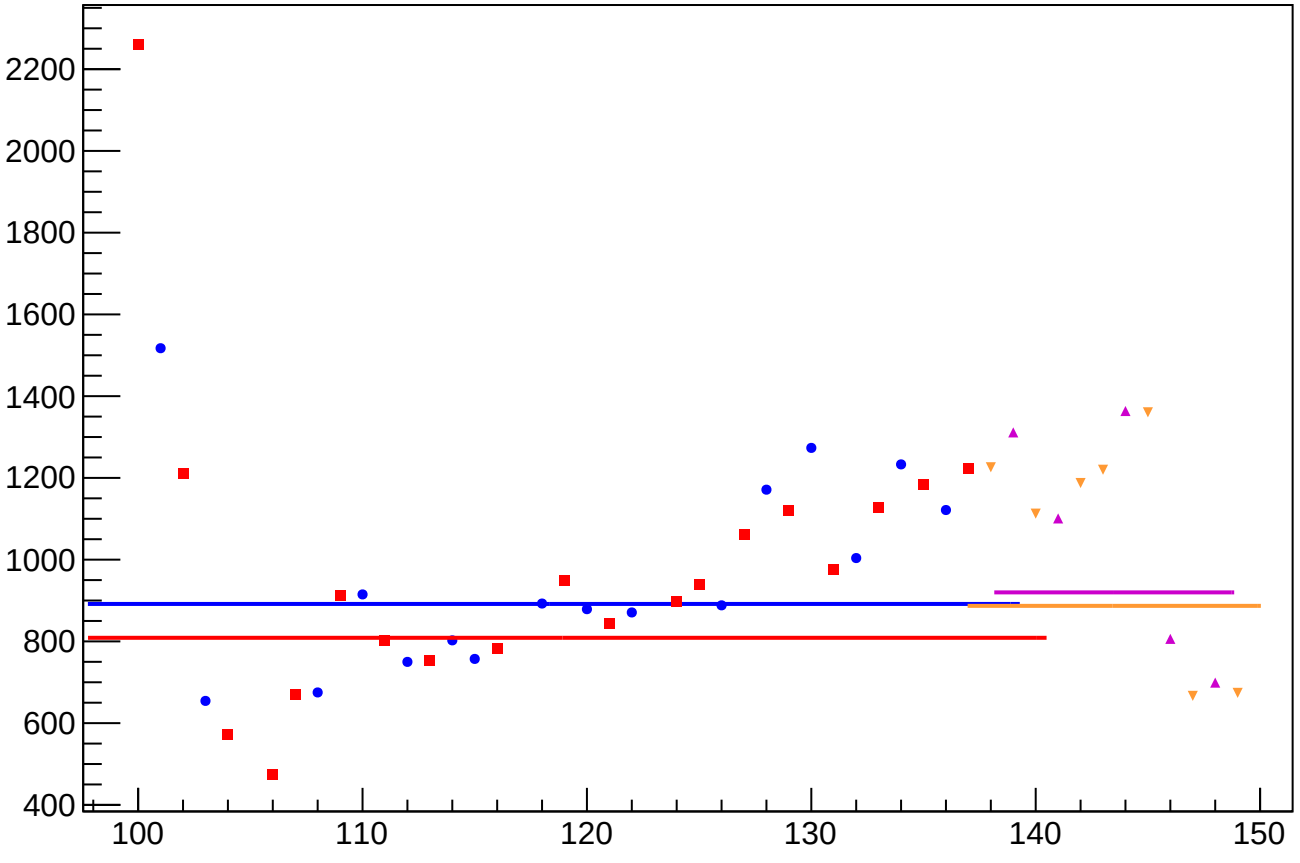
Left In: -189.579+/-458.142 χ^2/NDF:1.0/4

+ sign 78.589+/-261.447 χ^2/NDF: 26.1/22

All: 114.431+/-183.795 χ^2/NDF: 46.6/46

- 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: 886.963+/-0.285 χ^2/NDF:898274.1/6

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

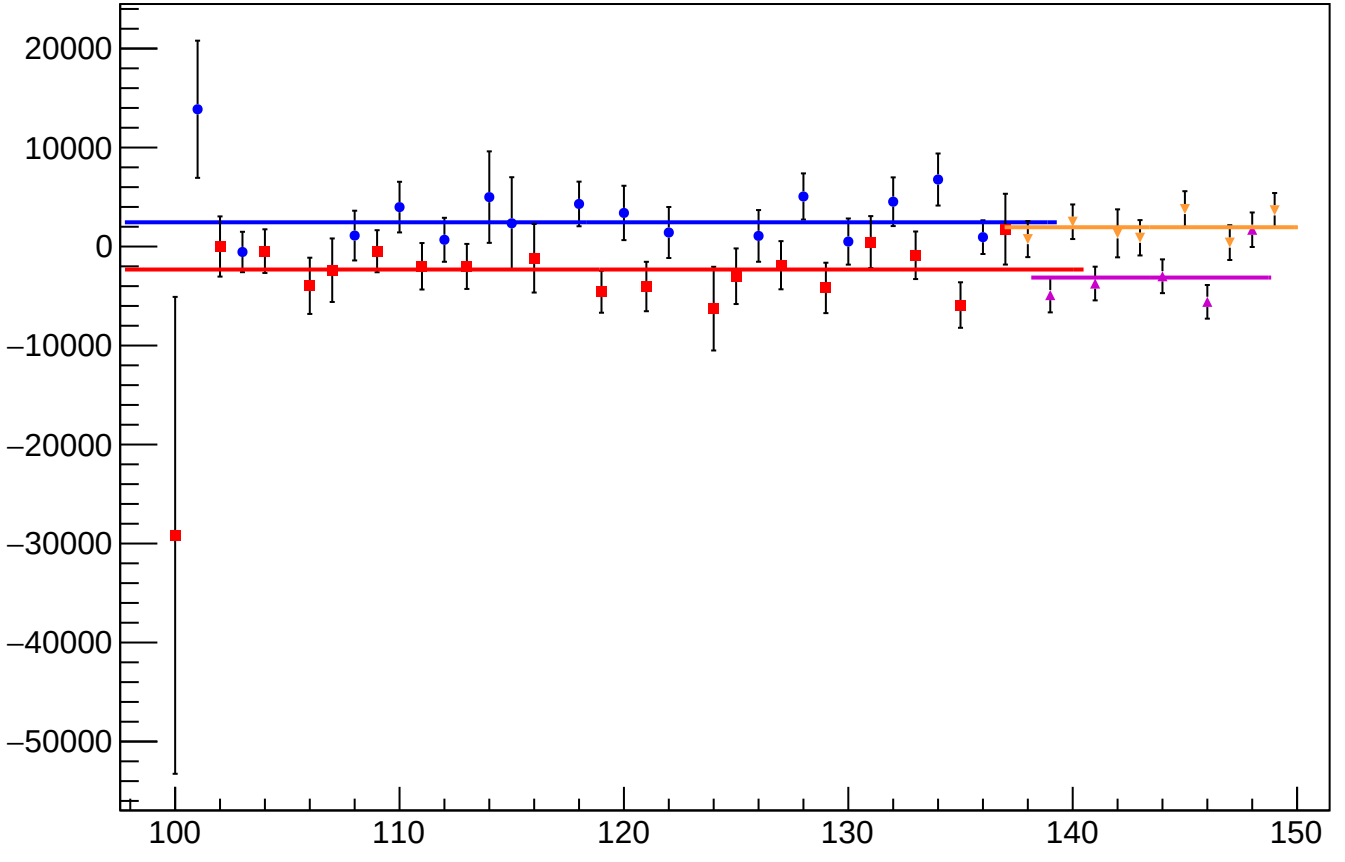
Left In: 919.916+/-0.324 χ^2/NDF:586683.6/4

+ sign 889.669+/-0.185 χ^2/NDF: 1692326.8/22

All: 866.652+/-0.130 χ^2/NDF: 3473700.2/46

- sign 844.162+/-0.183 χ^2/NDF: 1750725.7/23

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1949.540+/-694.575 χ^2/NDF:3.7/6

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

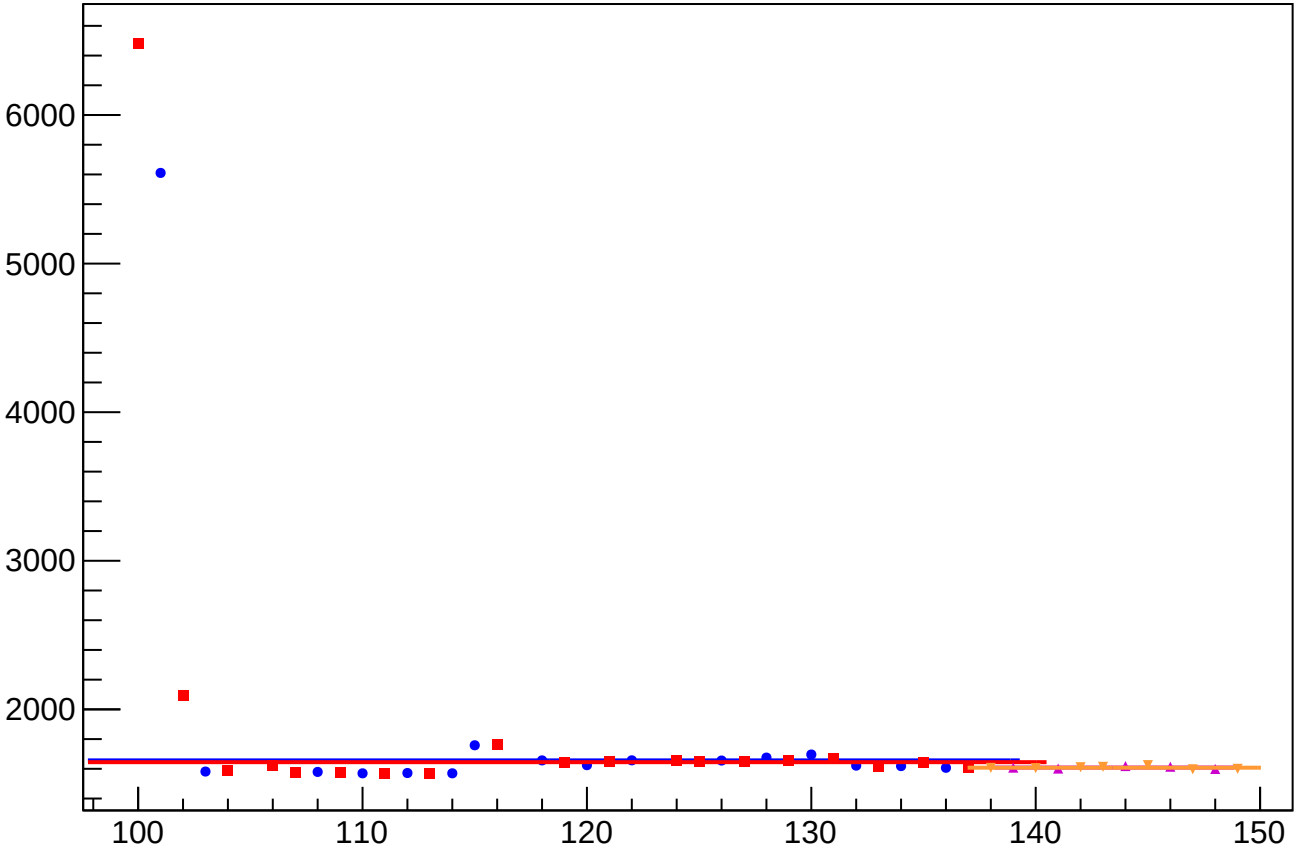
Left In: -3134.060+/-768.941 χ^2/NDF:10.9/4

+ sign 2223.687+/-466.736 χ^2/NDF: 17.8/22

All: -148.931+/-333.849 χ^2/NDF: 94.4/46

- 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: 1607.580+/-0.491 χ^2/NDF:324.7/6

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

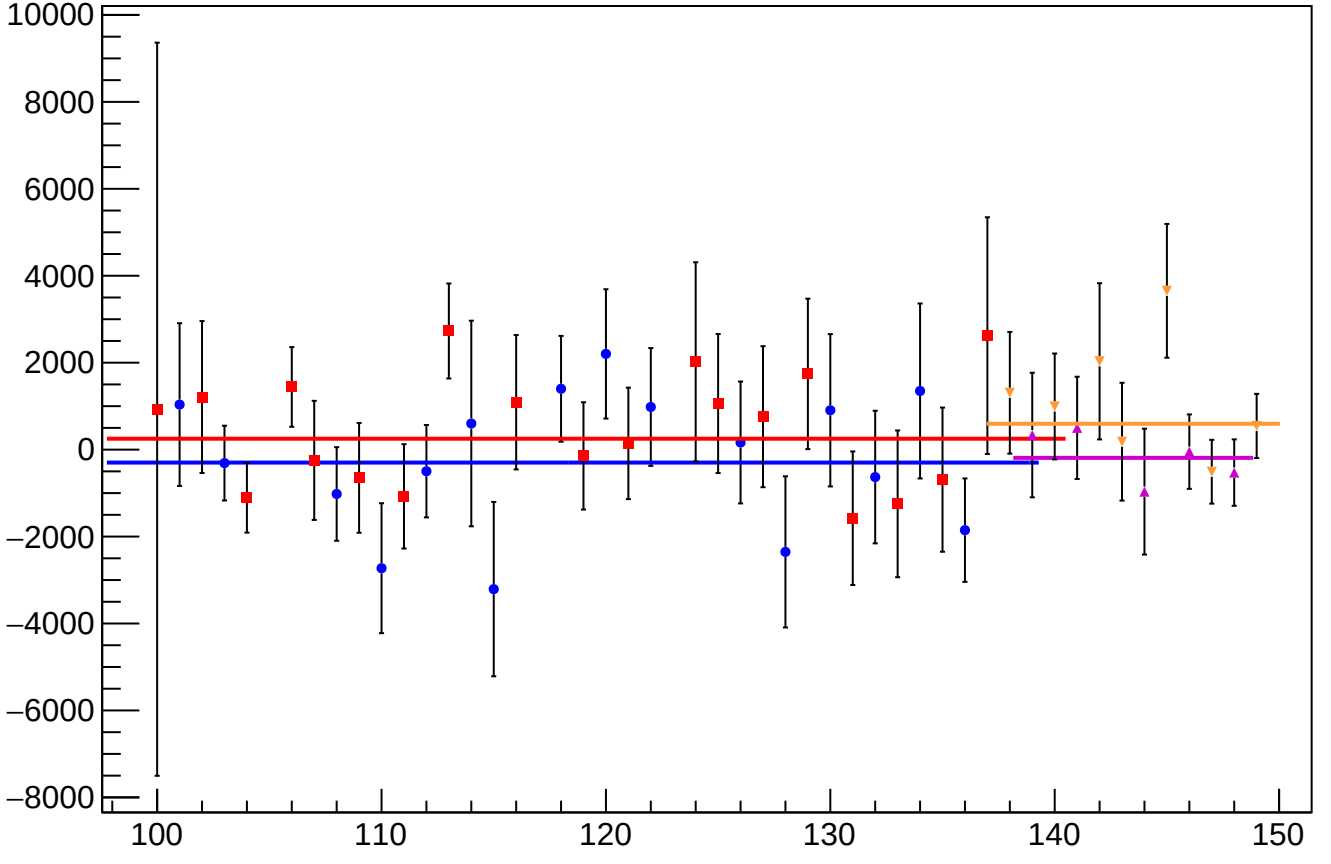
Left In: 1608.399+/-0.544 χ^2/NDF:183.6/4

+ sign 1634.511+/-0.330 χ^2/NDF: 672032.6/22

All: 1632.654+/-0.236 χ^2/NDF: 811506.0/46

- 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: 595.360+/-403.187 χ^2/NDF:7.3/6

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

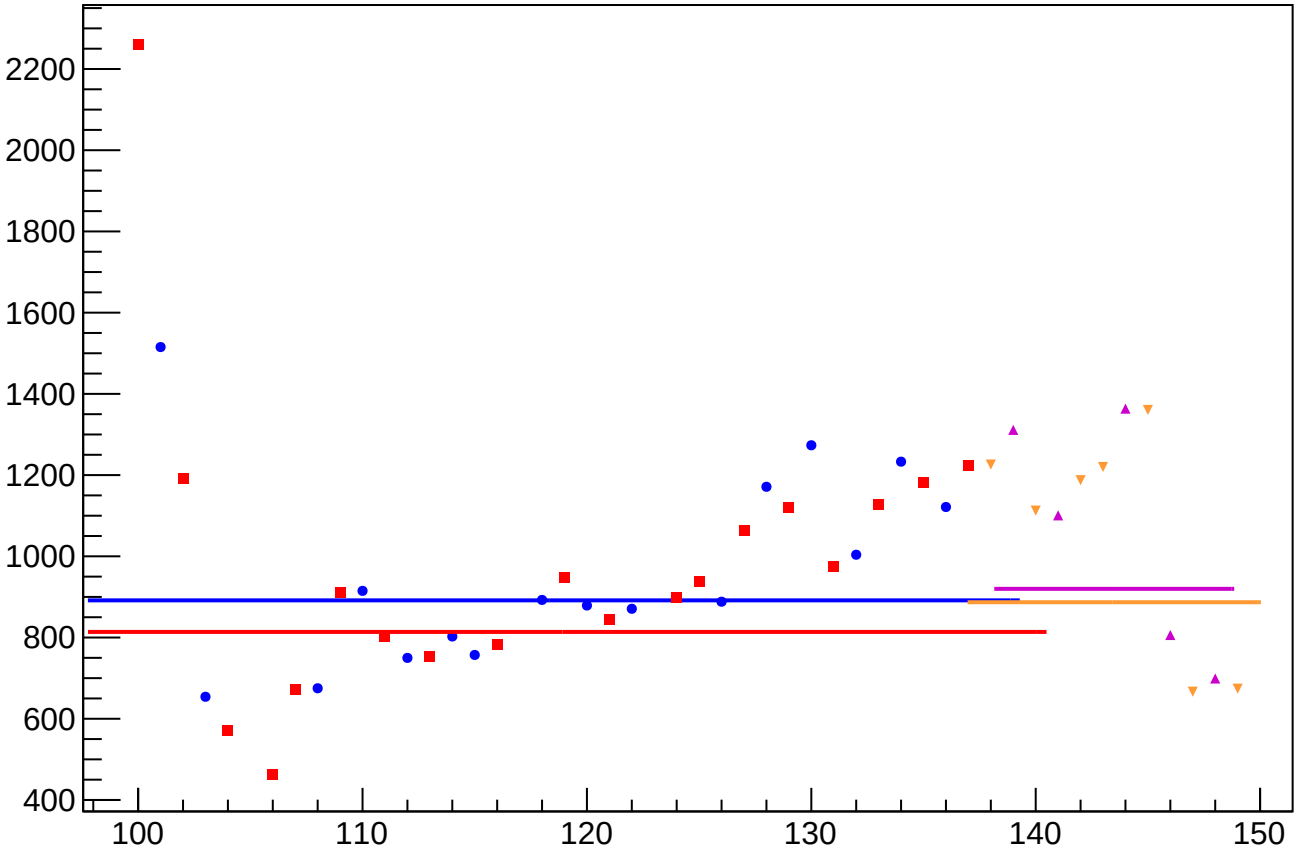
Left In: -189.535+/-458.143 χ^2/NDF:1.0/4

+ sign 77.703+/-261.425 χ^2/NDF: 26.1/22

All: 93.584+/-184.344 χ^2/NDF: 45.0/46

- 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: 886.944+/-0.285 χ^2/NDF:898306.8/6

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

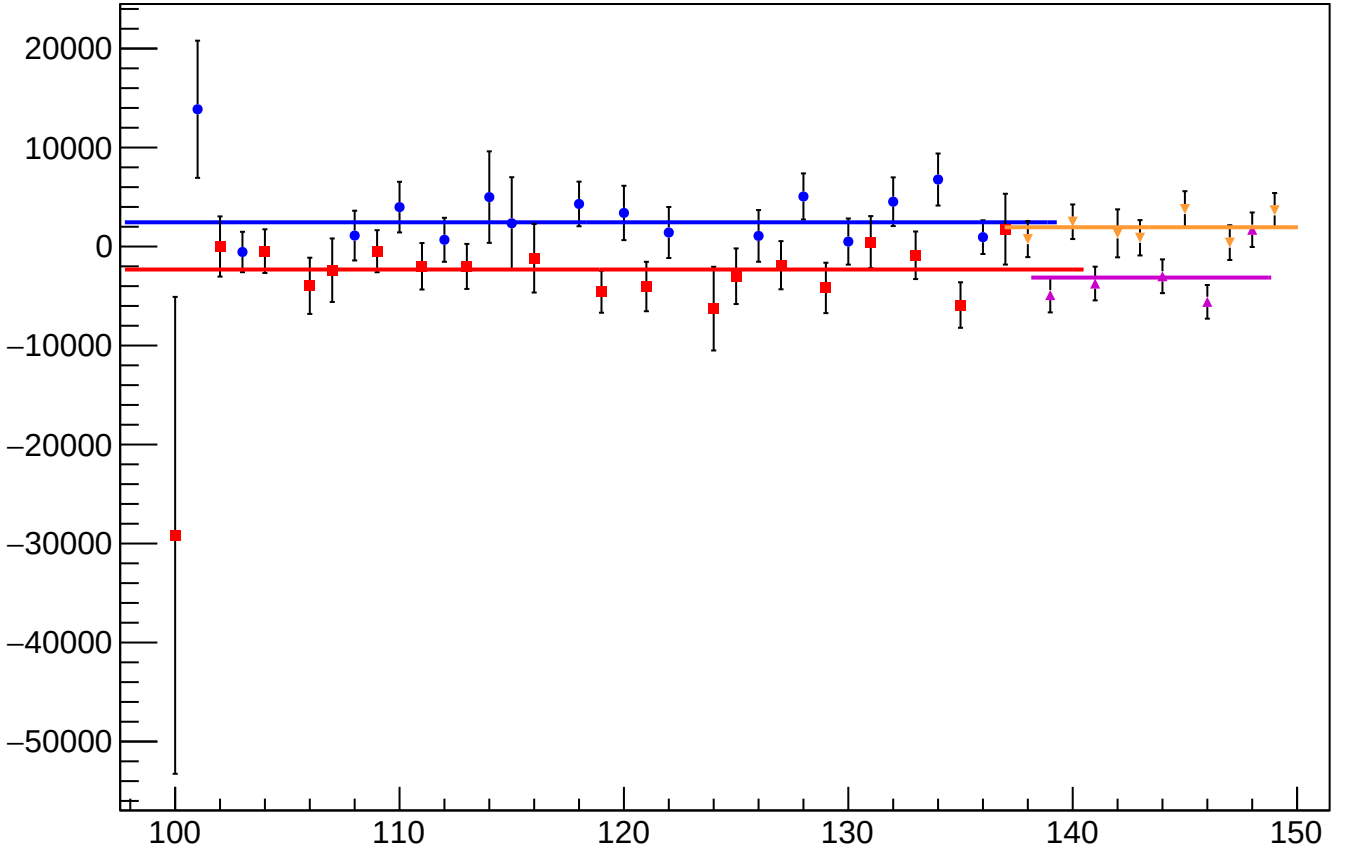
Left In: 919.918+/-0.324 χ^2/NDF:586697.5/4

+ sign 889.604+/-0.185 χ^2/NDF: 1692114.1/22

All: 868.676+/-0.130 χ^2/NDF: 3430034.1/46

- 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: 1949.540+/-694.575 χ^2/NDF:3.7/6

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

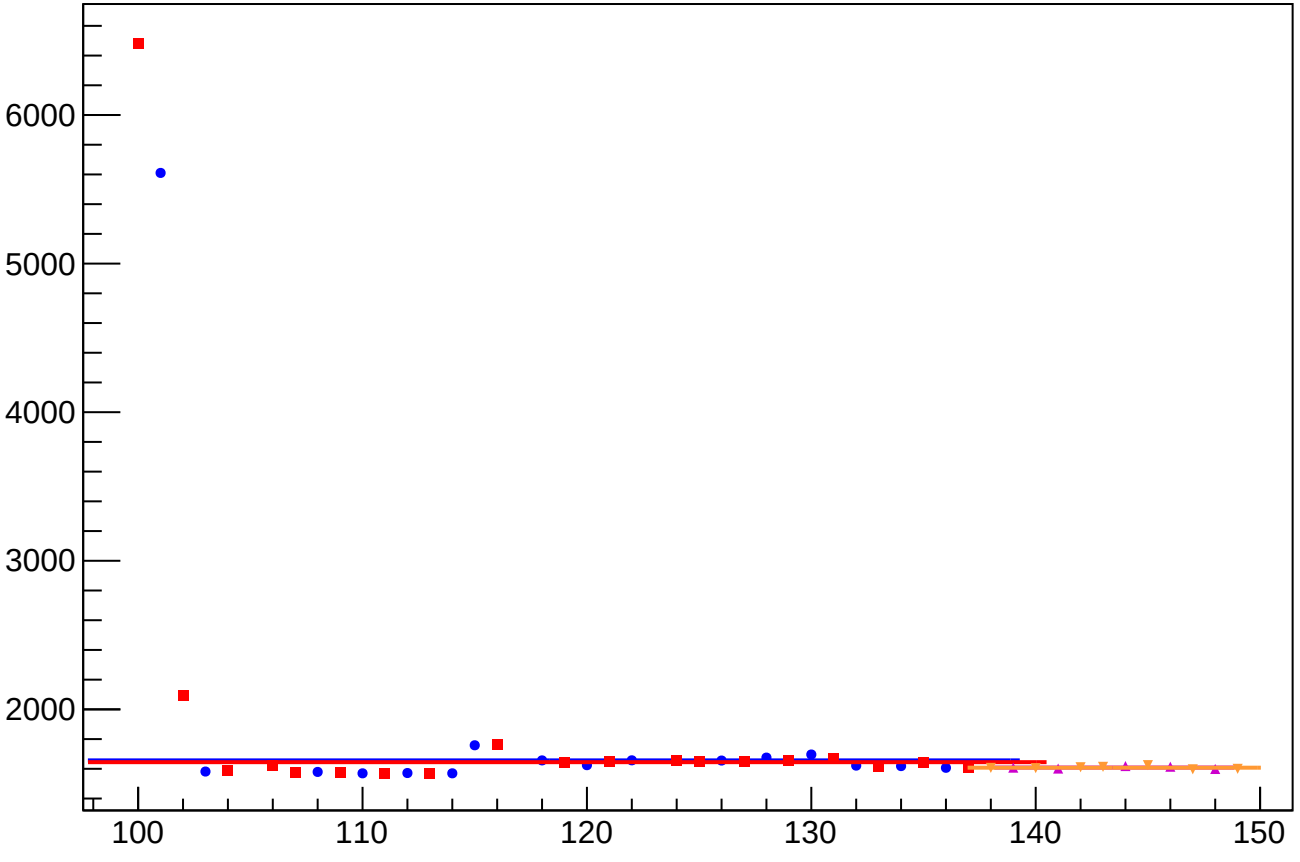
Left In: -3134.060+/-768.941 χ^2/NDF:10.9/4

+ sign 2223.687+/-466.736 χ^2/NDF: 17.8/22

All: -148.931+/-333.849 χ^2/NDF: 94.4/46

- 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: 1607.580+/-0.491 χ^2/NDF:324.7/6

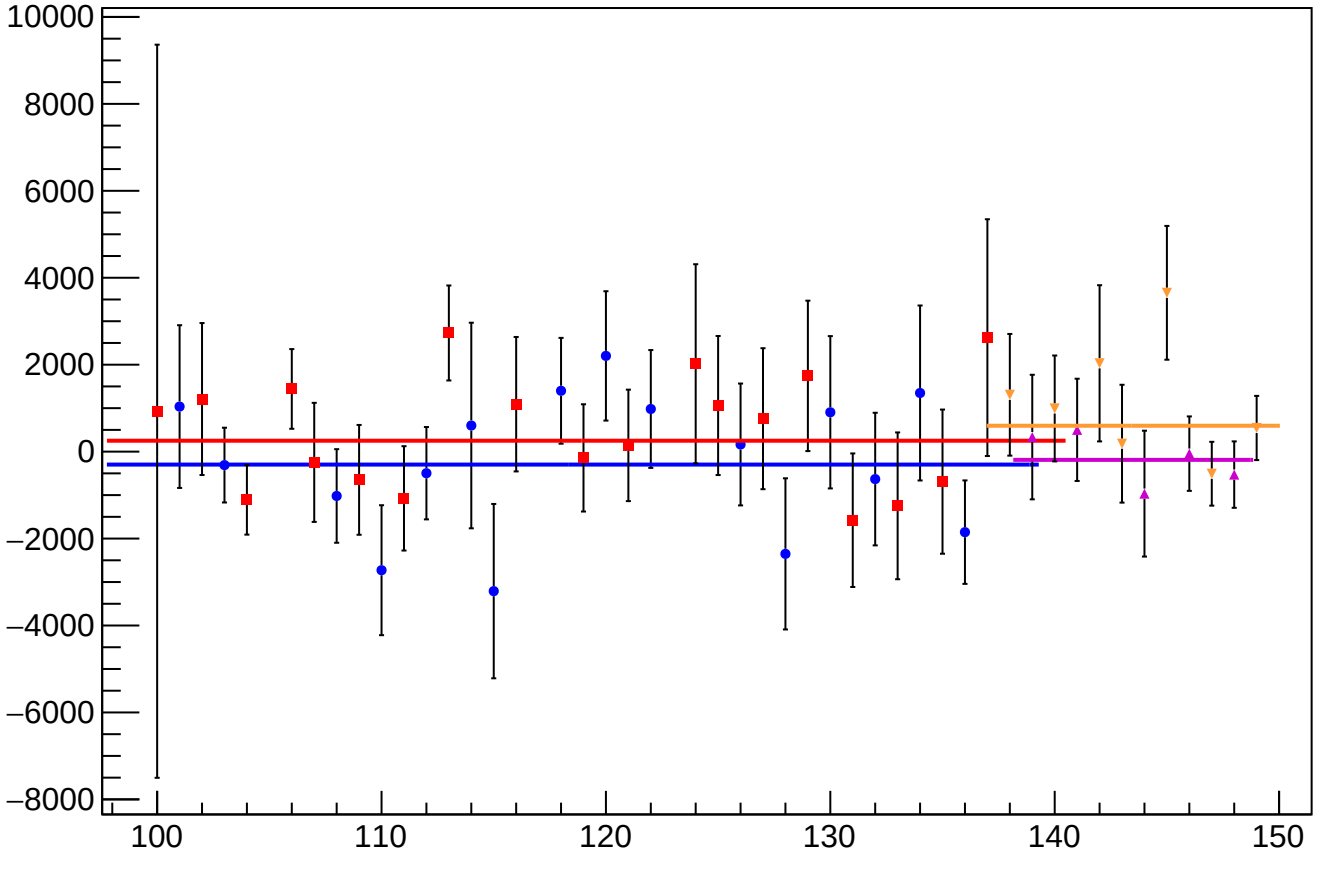
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1608.399+/-0.544 χ^2/NDF:183.6/4

+ sign 1634.511+/-0.330 χ^2/NDF: 672032.6/22

All: 1632.654+/-0.236 χ^2/NDF: 811506.0/46

- 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: 595.360+/-403.187 χ^2/NDF:7.3/6

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

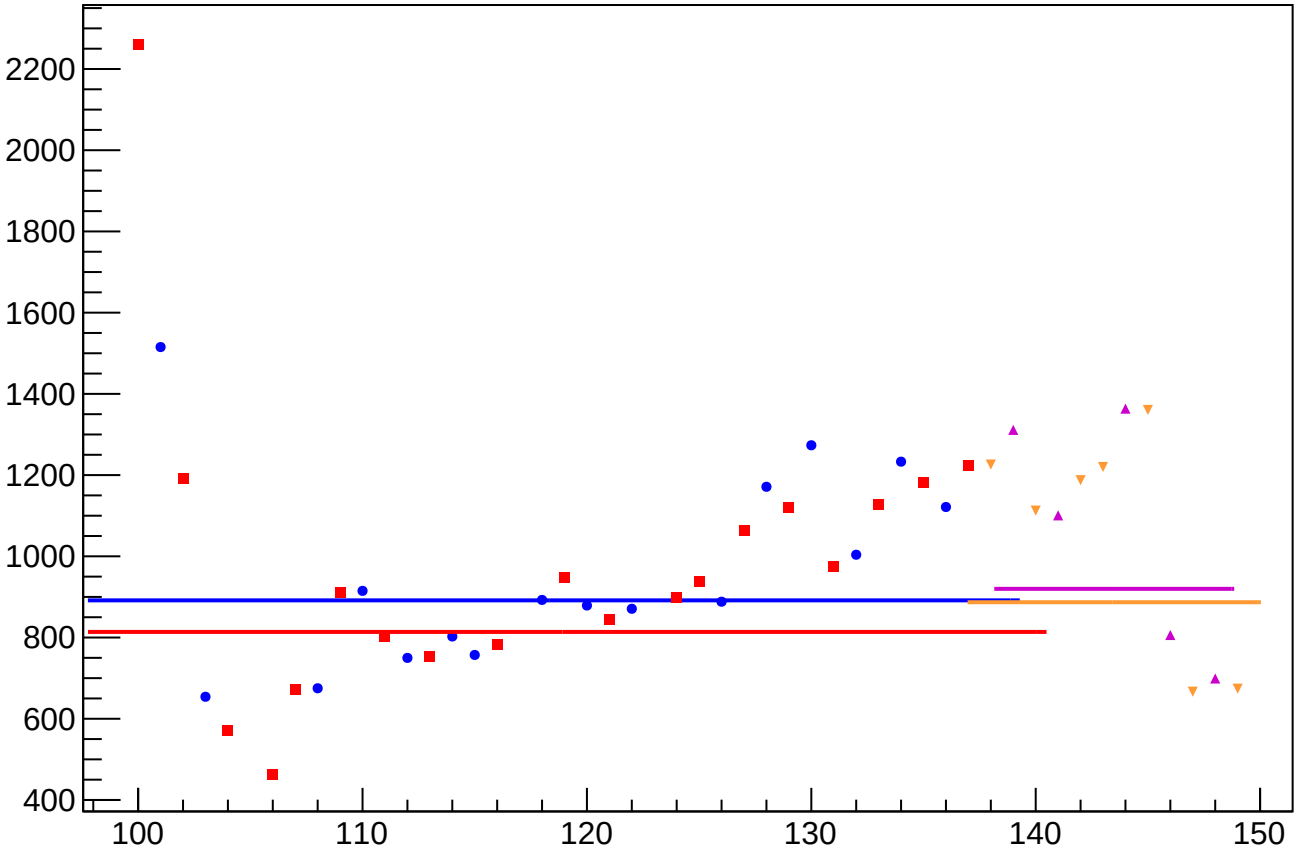
Left In: -189.535+/-458.143 χ^2/NDF:1.0/4

+ sign 77.703+/-261.425 χ^2/NDF: 26.1/22

All: 93.584+/-184.344 χ^2/NDF: 45.0/46

- 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: 886.944+/-0.285 χ^2/NDF:898306.8/6

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

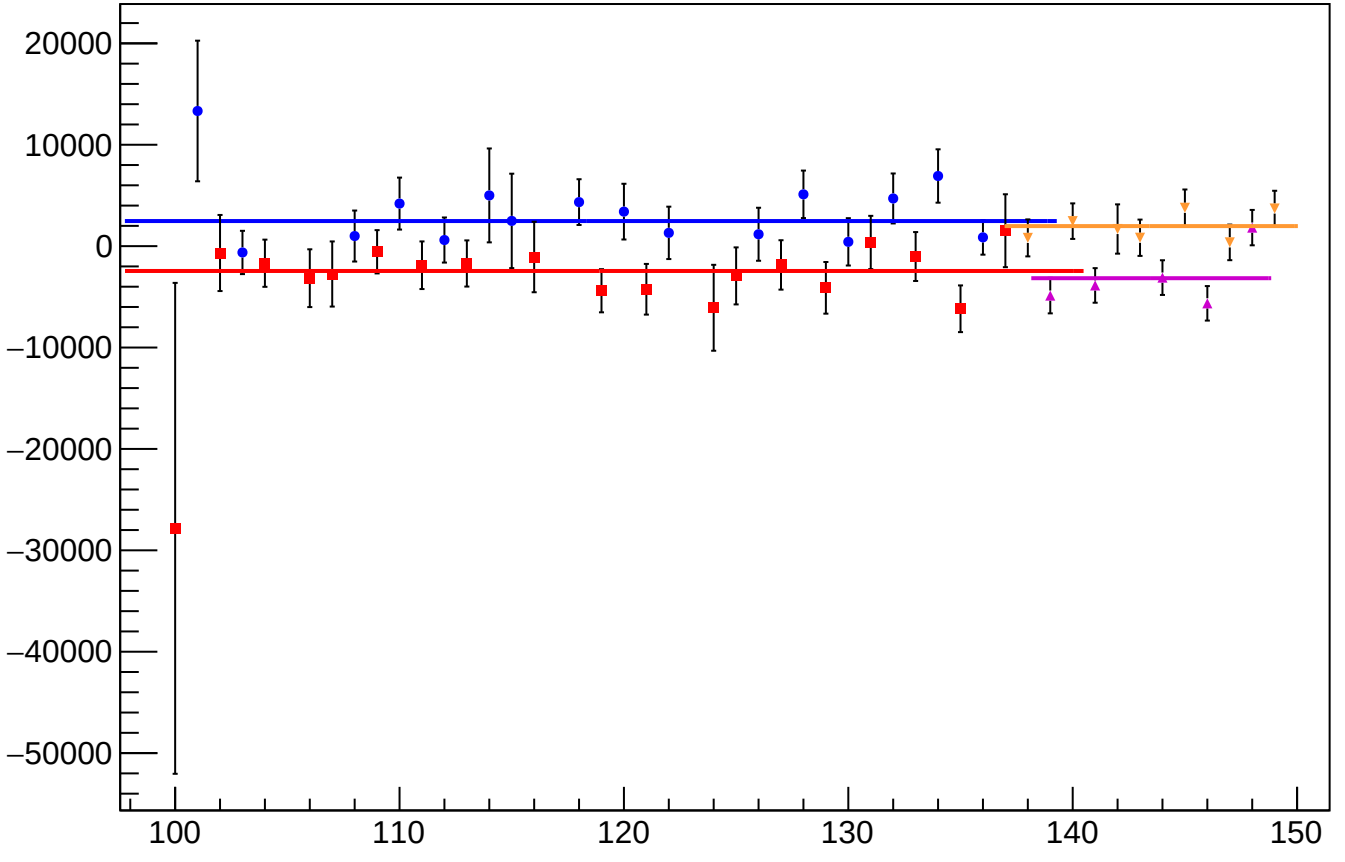
Left In: 919.918+/-0.324 χ^2/NDF:586697.5/4

+ sign 889.604+/-0.185 χ^2/NDF: 1692114.1/22

All: 868.676+/-0.130 χ^2/NDF: 3430034.1/46

- 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: 1977.198+/-696.007 χ^2/NDF:3.7/6

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

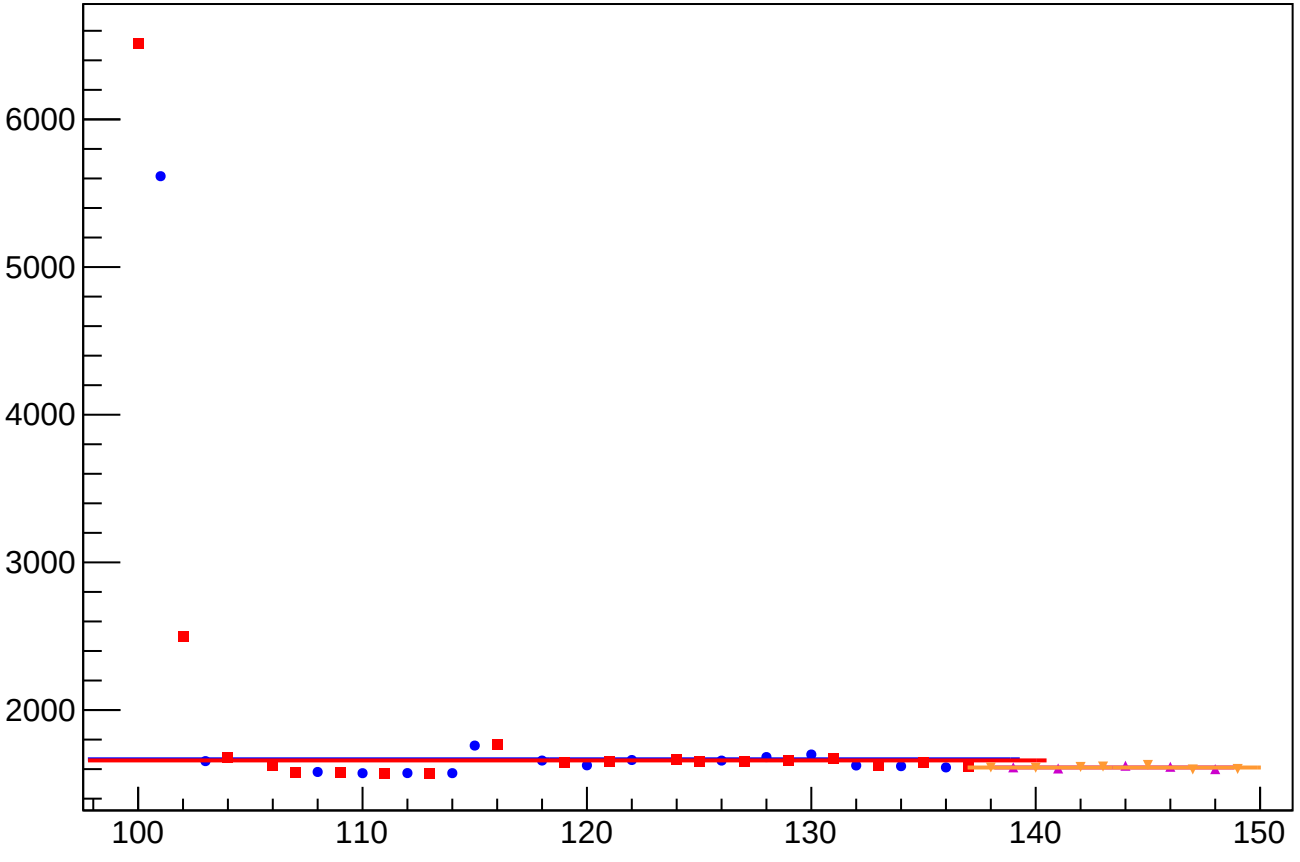
Left In: -3161.721+/-770.313 χ^2/NDF:11.4/4

+ sign 2249.434+/-468.643 χ^2/NDF: 18.2/22

All: -170.228+/-335.943 χ^2/NDF: 95.6/46

- 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: 1610.881+/-0.492 χ^2/NDF:393.3/6

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

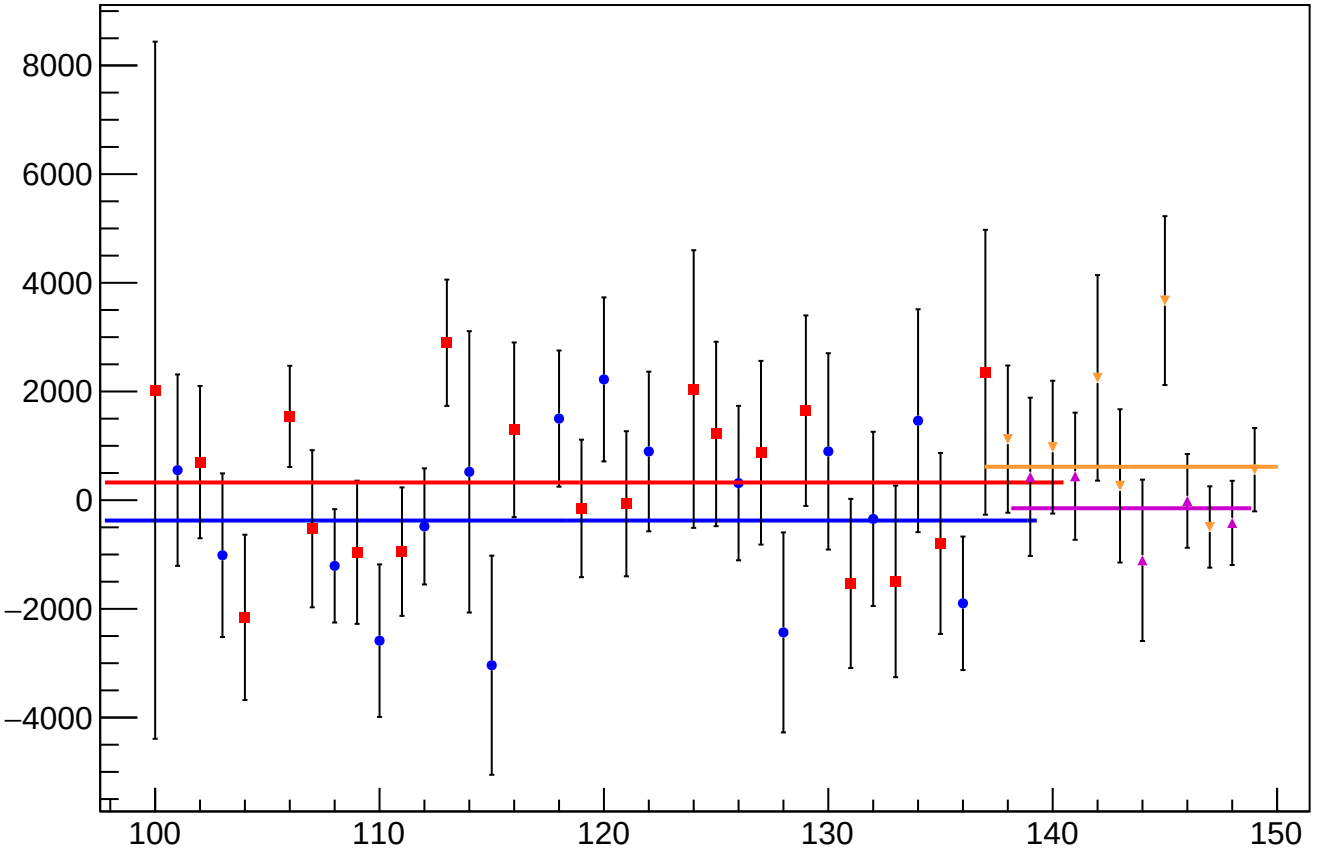
Left In: 1611.236+/-0.545 χ^2/NDF:225.4/4

+ sign 1641.229+/-0.331 χ^2/NDF: 670263.9/22

All: 1640.785+/-0.238 χ^2/NDF: 868398.7/46

- 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: 614.347+/-411.768 χ^2/NDF:7.1/6

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

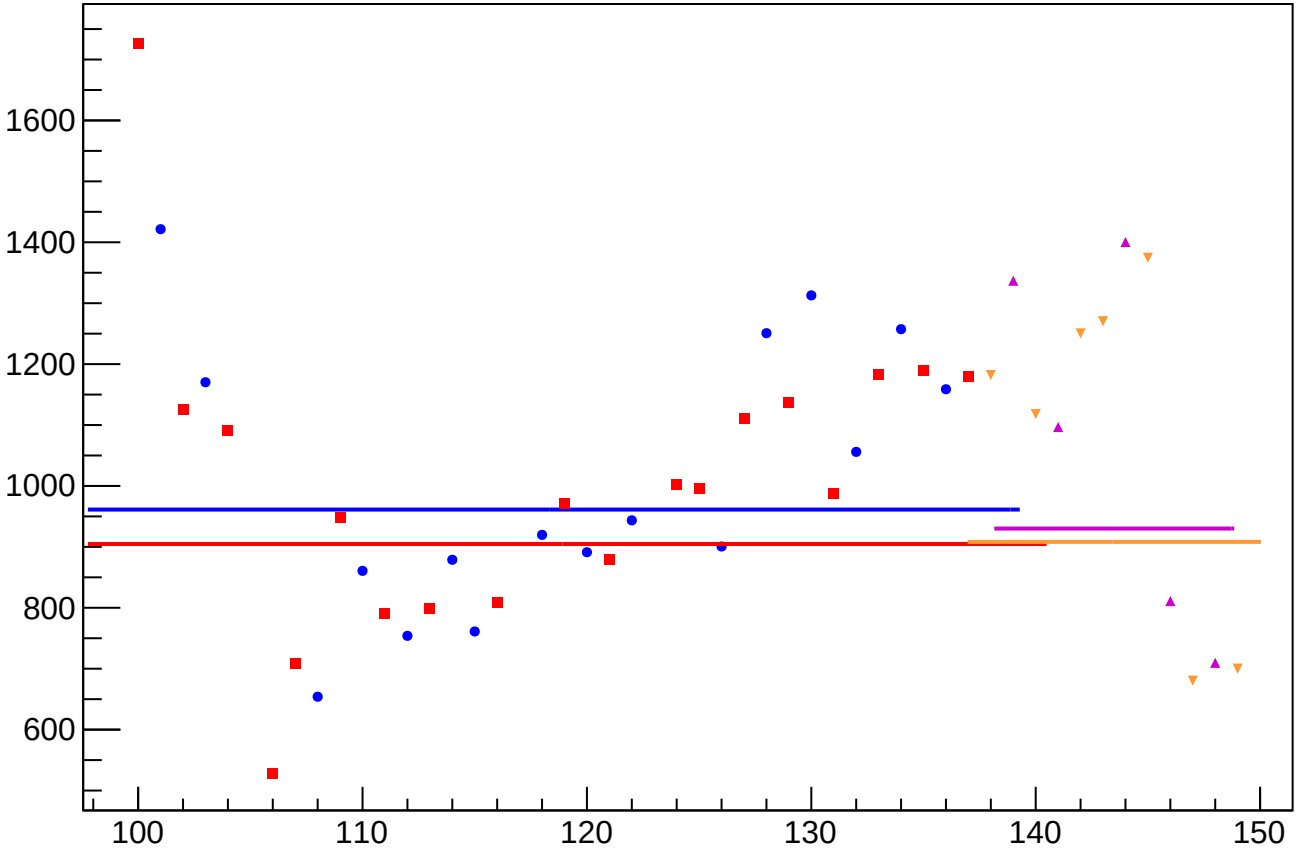
Left In: -148.705+/-463.063 χ^2/NDF:1.0/4

+ sign 64.470+/-274.366 χ^2/NDF: 26.0/22

All: 111.790+/-194.012 χ^2/NDF: 45.2/46

- 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: 908.193+/-0.291 χ^2/NDF:851002.5/6

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

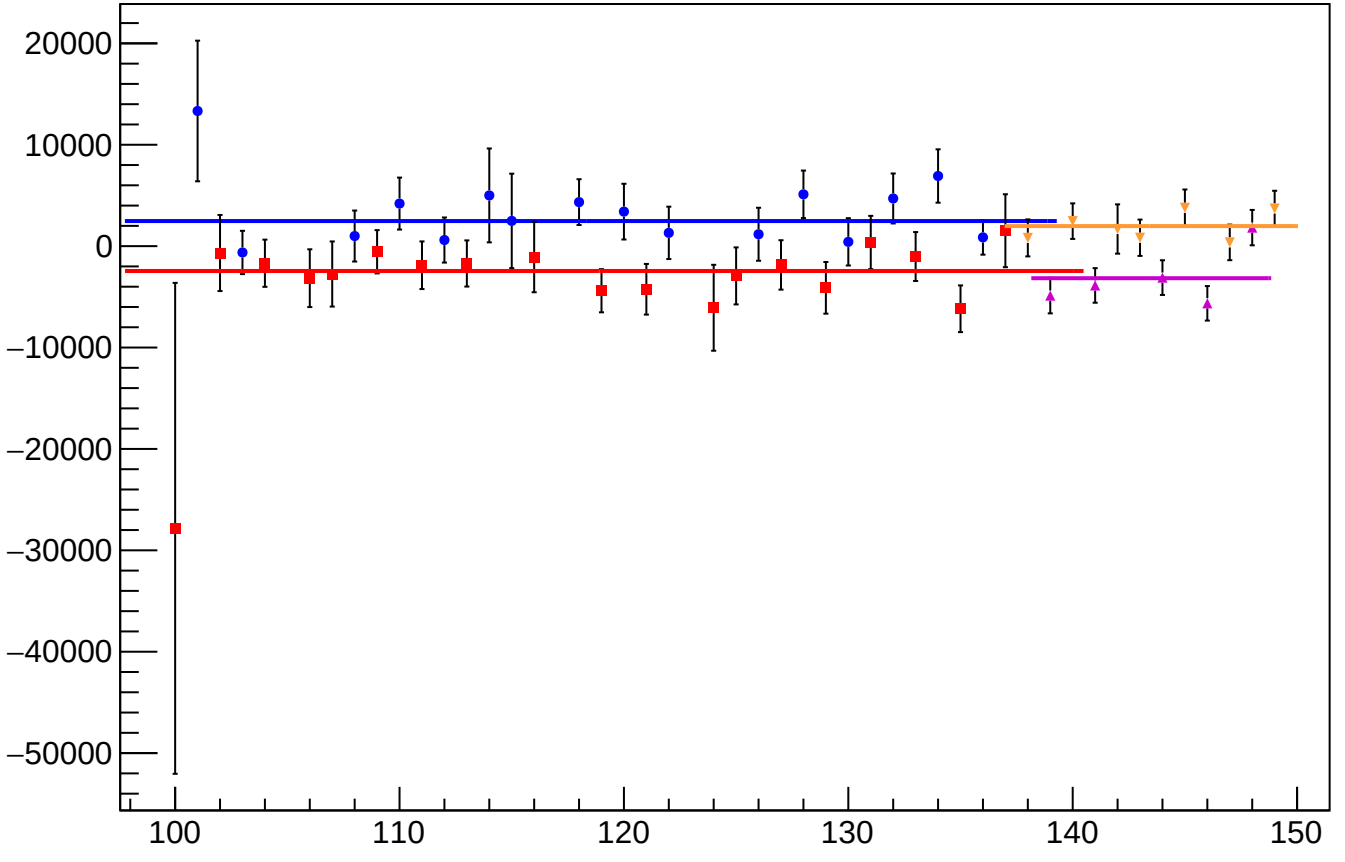
Left In: 930.091+/-0.327 χ^2/NDF:597263.8/4

\+ sign 937.690+/-0.194 χ^2/NDF: 1561335.6/22

All: 925.665+/-0.137 χ^2/NDF: 2906659.4/46

\- 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: 1977.200+/-696.007 χ^2/NDF:3.7/6

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

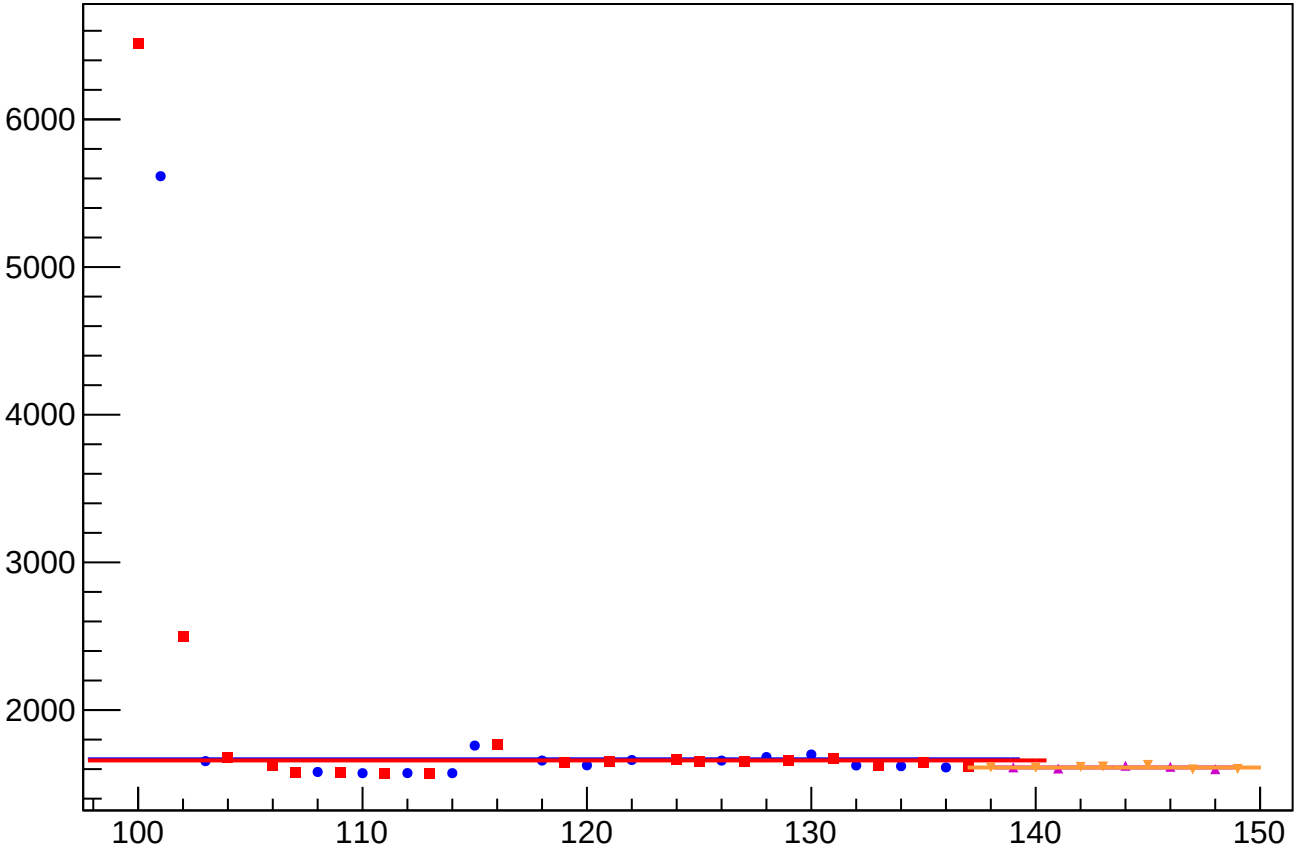
Left In: -3161.721+/-770.313 χ^2/NDF:11.4/4

+ sign 2249.435+/-468.643 χ^2/NDF: 18.2/22

All: -170.228+/-335.943 χ^2/NDF: 95.6/46

- 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: 1610.881+/-0.492 χ^2/NDF:393.3/6

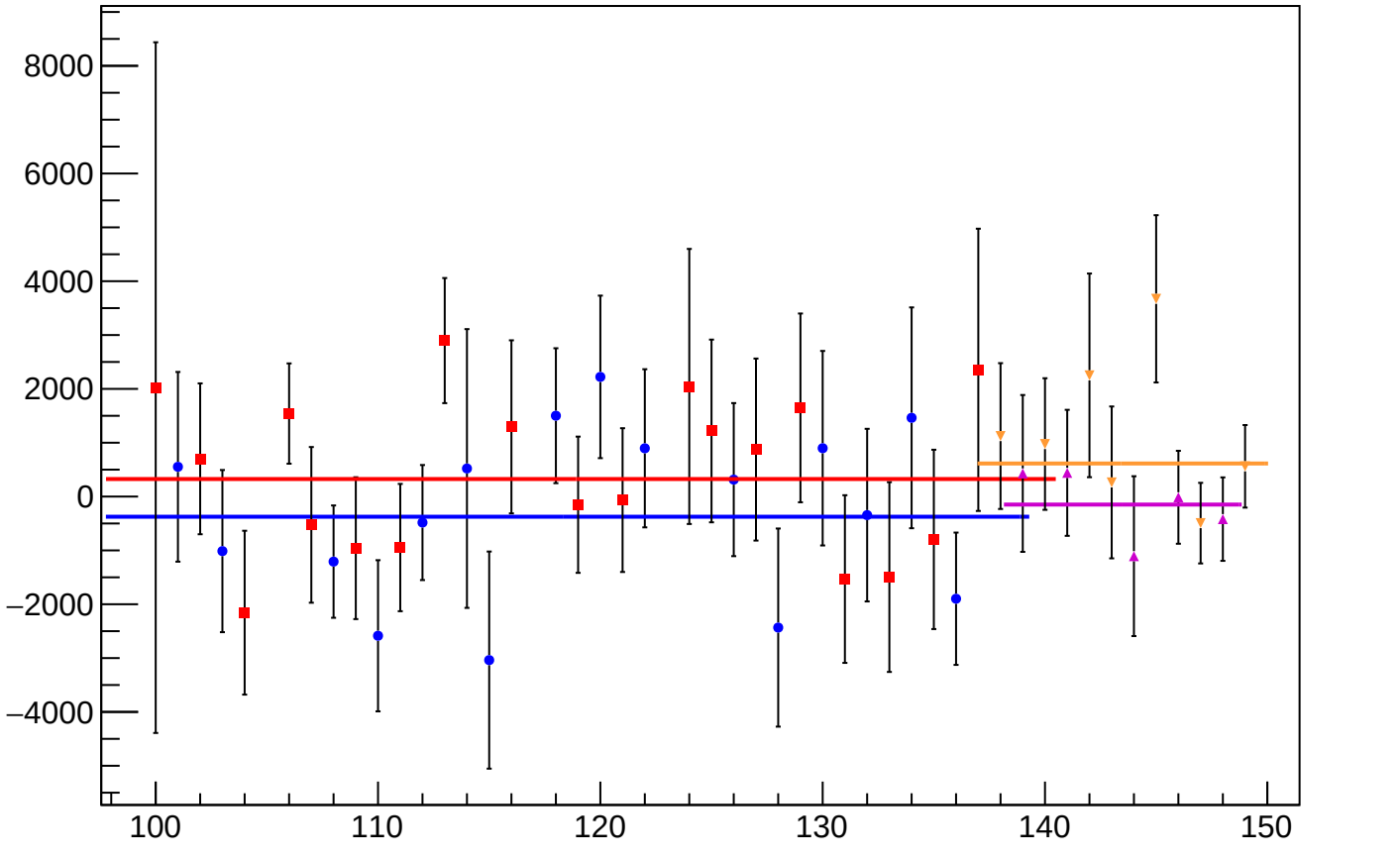
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1611.236+/-0.545 χ^2/NDF:225.4/4

+ sign 1641.229+/-0.331 χ^2/NDF: 670263.9/22

All: 1640.785+/-0.238 χ^2/NDF: 868398.5/46

- sign 1640.316+/-0.341 χ^2/NDF: 198130.9/23



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 614.347+/-411.769 χ^2/NDF:7.1/6

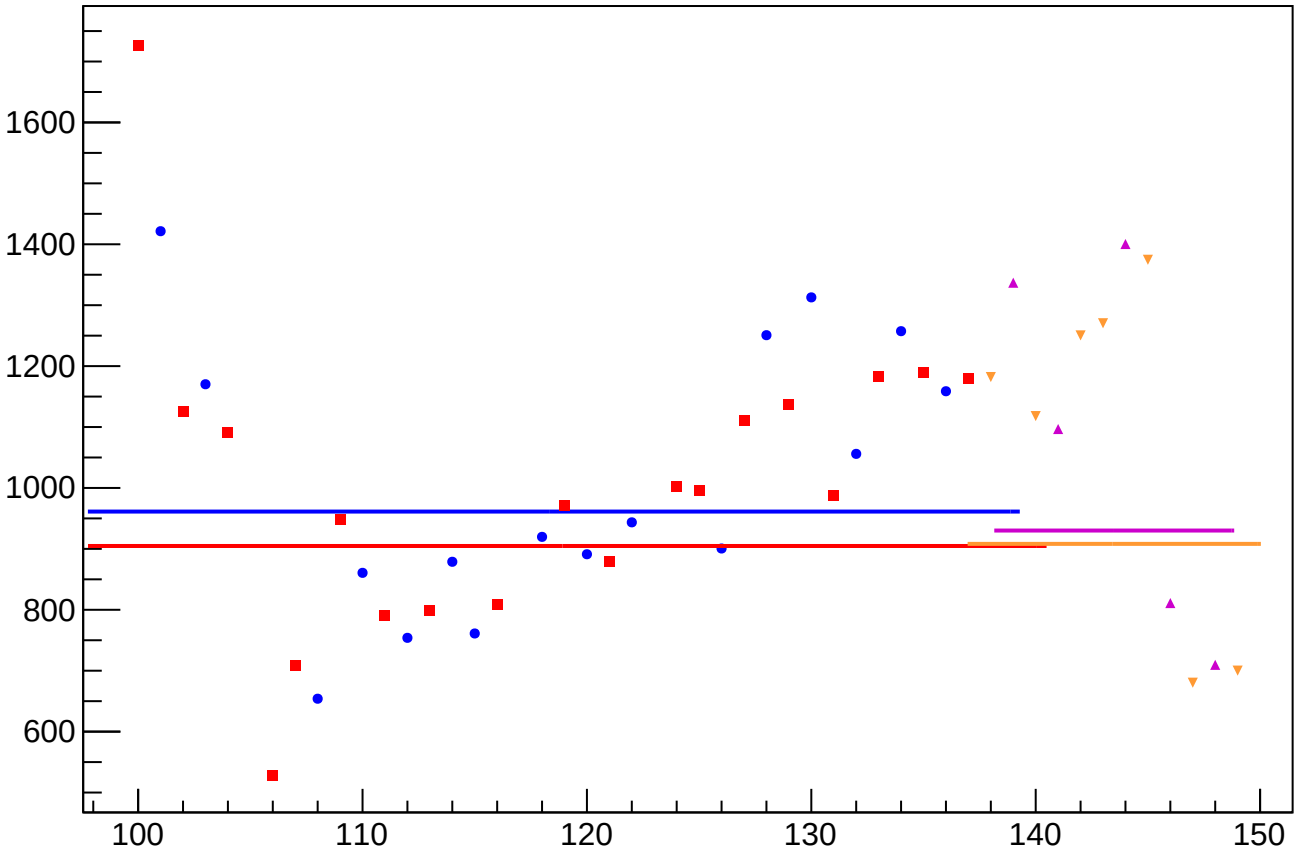
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -148.704+/-463.064 χ^2/NDF:1.0/4

+ sign 64.468+/-274.366 χ^2/NDF: 26.0/22

All: 111.789+/-194.012 χ^2/NDF: 45.2/46

- 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: 908.195+/-0.291 χ^2/NDF:851003.7/6

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

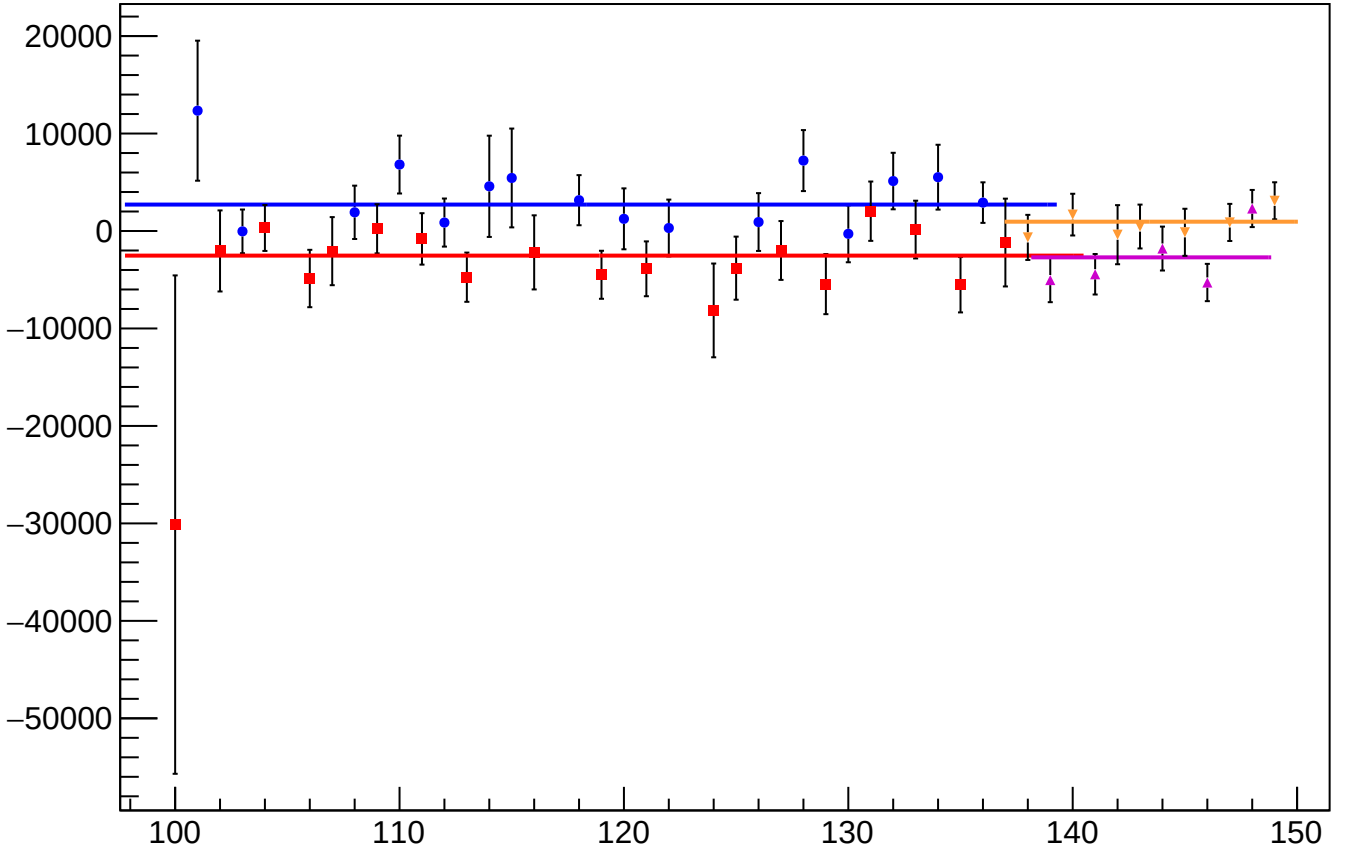
Left In: 930.093+/-0.327 χ^2/NDF:597265.1/4

+ sign 937.689+/-0.194 χ^2/NDF: 1561341.0/22

All: 925.664+/-0.137 χ^2/NDF: 2906664.6/46

- 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: 954.778+/-834.468 χ^2/NDF:2.3/6

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

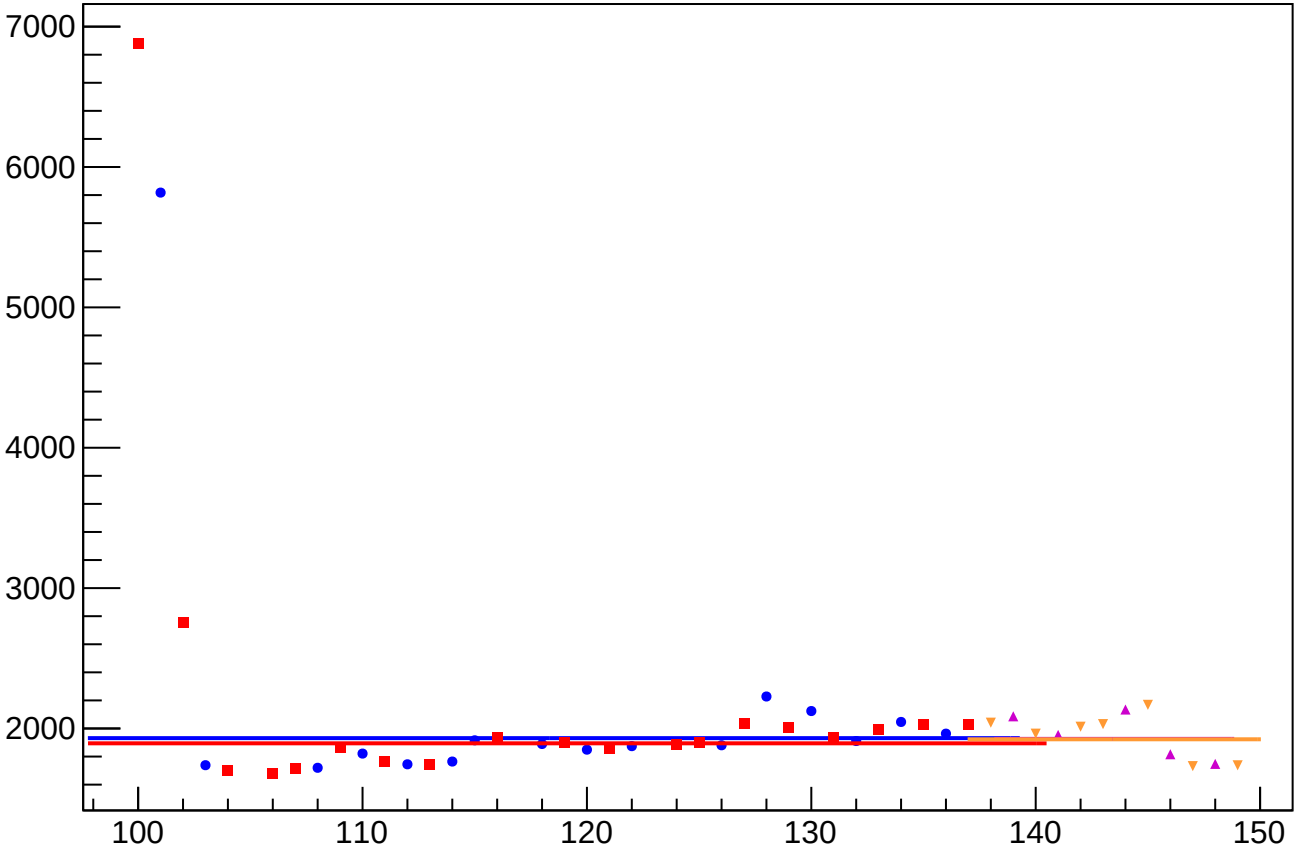
Left In: -2704.636+/-924.155 χ^2/NDF:10.6/4

+ sign 1943.866+/-551.593 χ^2/NDF: 16.9/22

All: -284.513+/-393.404 χ^2/NDF: 74.1/46

- 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: 1923.017+/-0.590 χ^2/NDF:72192.7/6

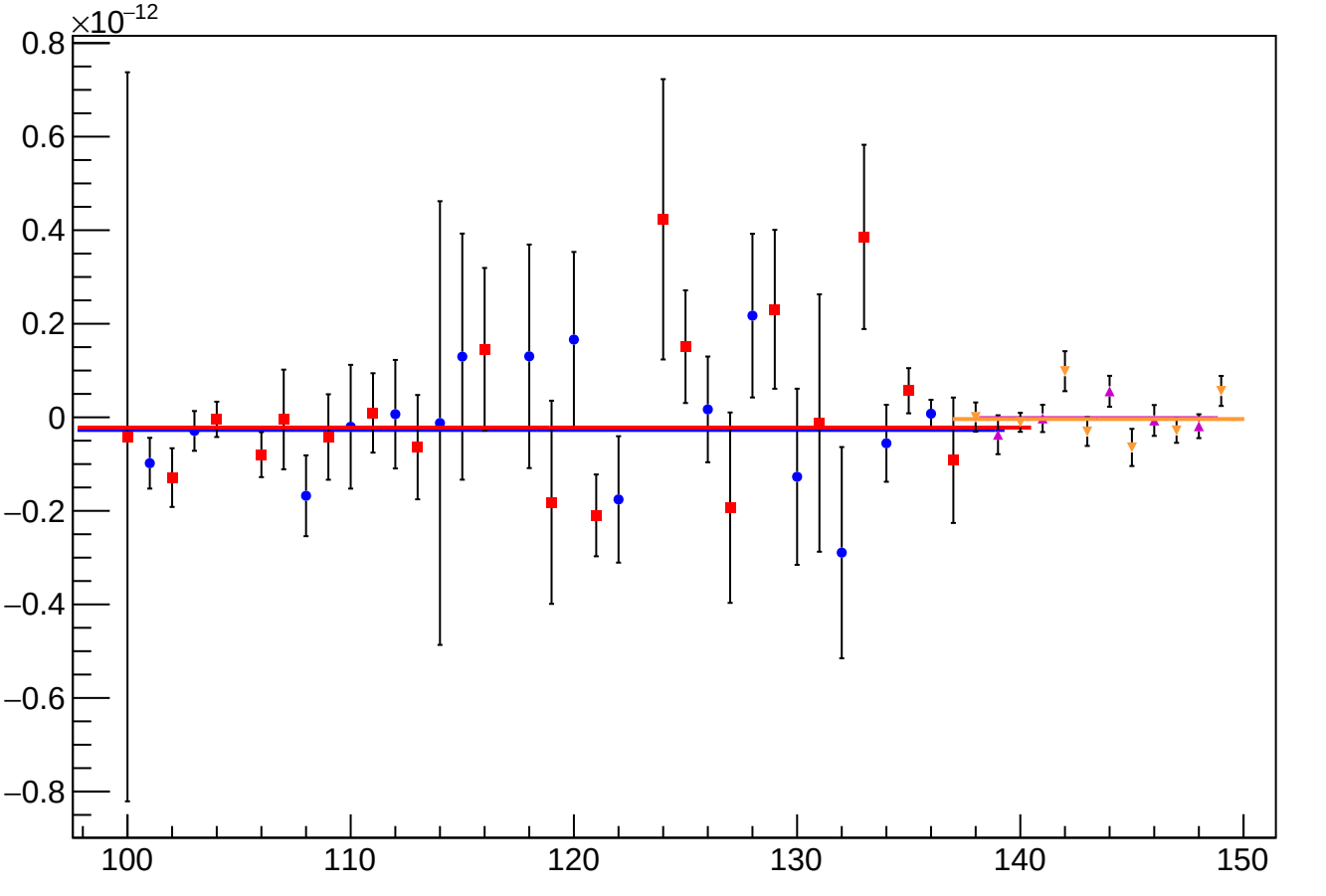
Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1925.991+/-0.653 χ^2/NDF:51629.5/4

+ sign 1927.653+/-0.390 χ^2/NDF: 733529.4/22

All: 1917.024+/-0.278 χ^2/NDF: 1008691.4/46

- 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:13.3/6

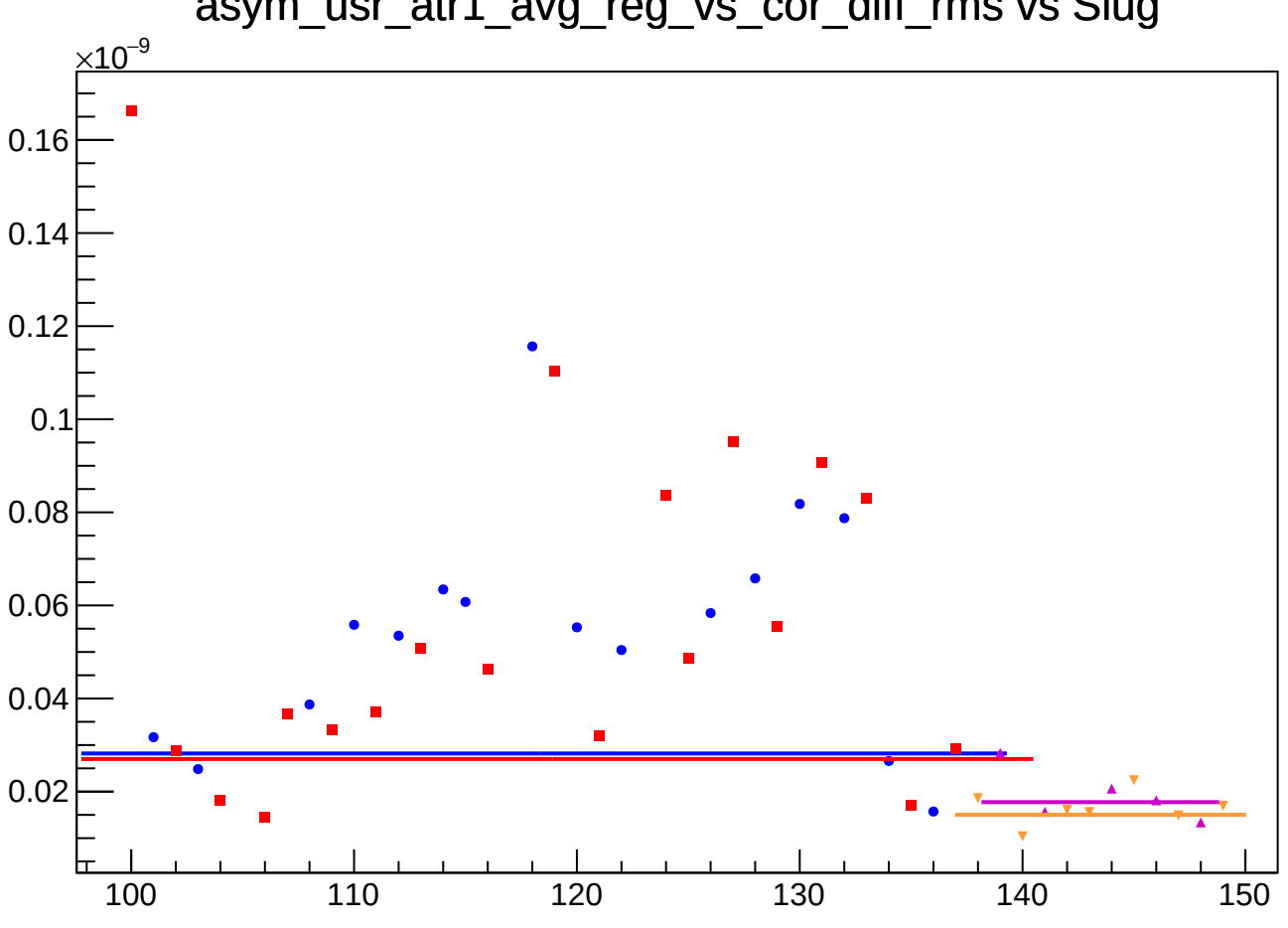
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 27.2/22

All: -0.000+/-0.000 χ^2/NDF: 57.5/46

- 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:208735.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

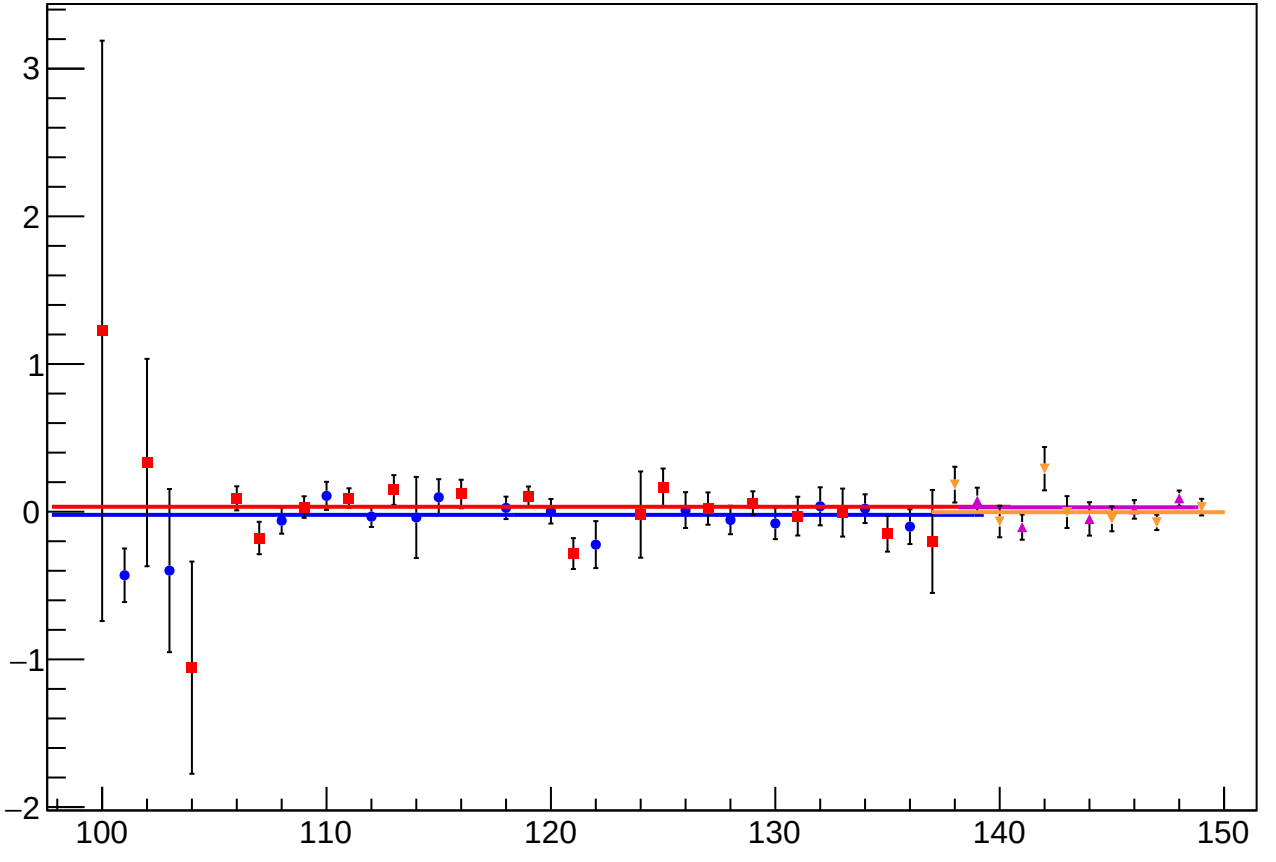
Left In: 0.000+/-0.000 χ^2/NDF:213679.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 2406018.5/22

All: 0.000+/-0.000 χ^2/NDF: 4536904.7/46

- 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: -0.003+/-0.030 χ^2/NDF:9.1/6

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

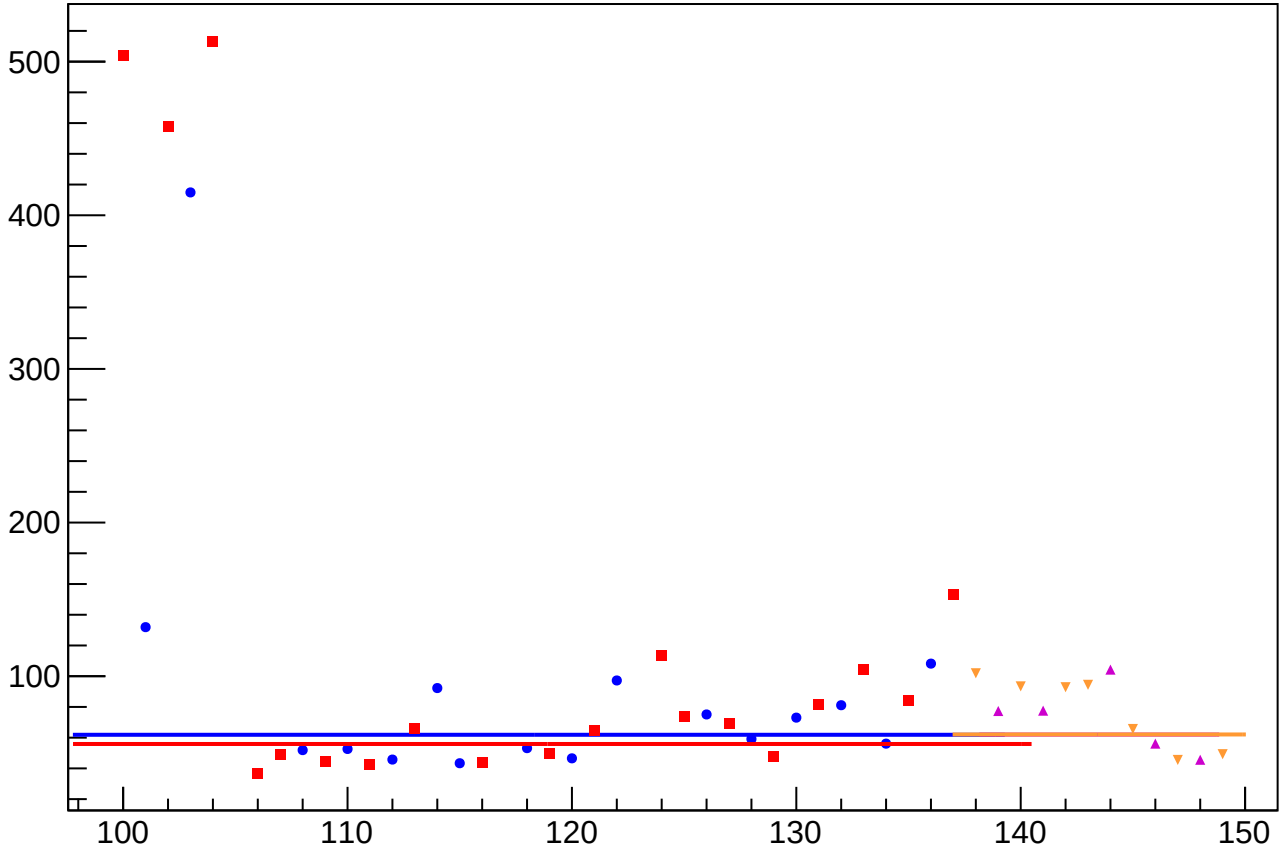
Left In: 0.030+/-0.032 χ^2/NDF:4.6/4

+ sign -0.013+/-0.020 χ^2/NDF: 21.4/22

All: 0.010+/-0.014 χ^2/NDF: 53.0/46

- 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: 62.085+/-0.021 χ^2/NDF:964612.2/6

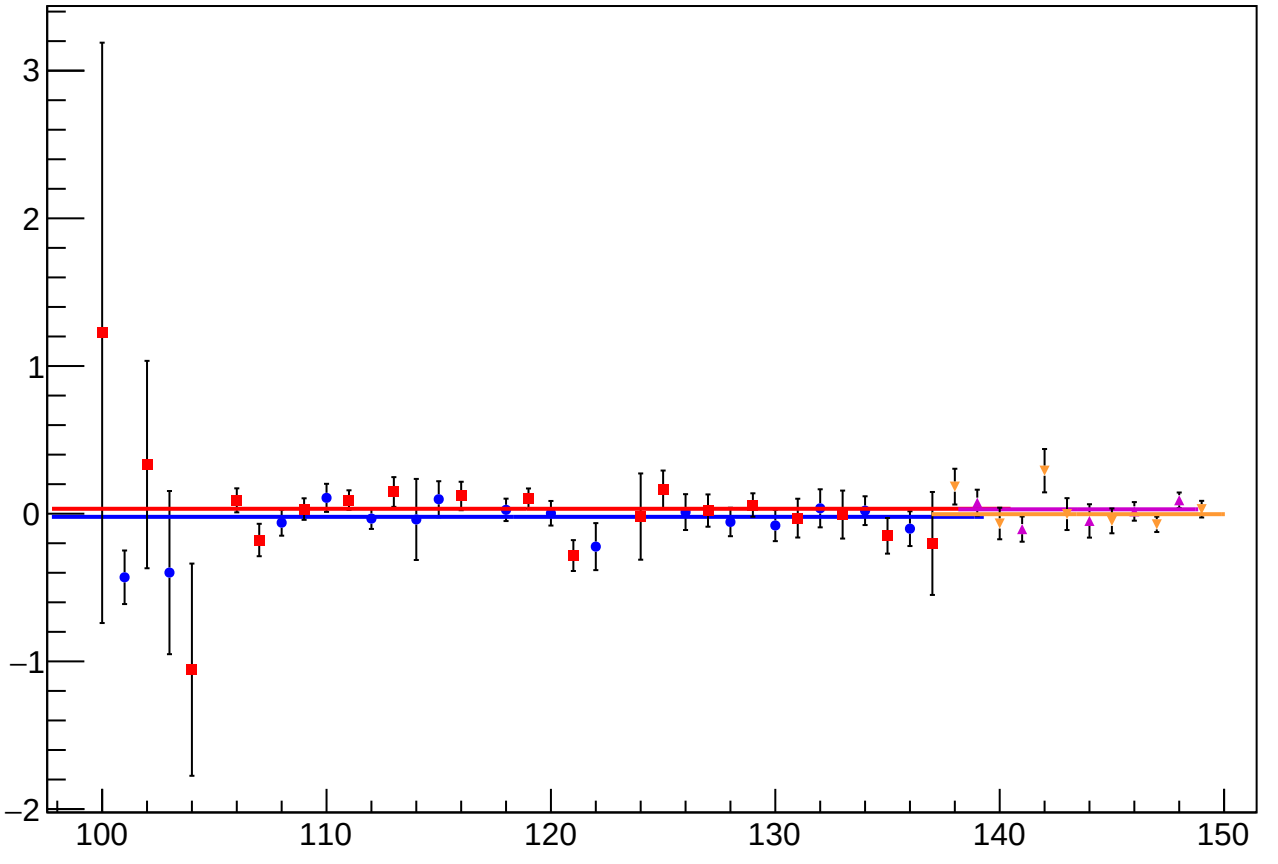
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 62.004+/-0.023 χ^2/NDF:620269.6/4

+ sign 61.968+/-0.014 χ^2/NDF: 2902620.4/22

All: 60.019+/-0.010 χ^2/NDF: 6197447.9/46

- sign 58.134+/-0.014 χ^2/NDF: 3257030.6/23



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.003+/-0.030 χ^2/NDF:9.1/6

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

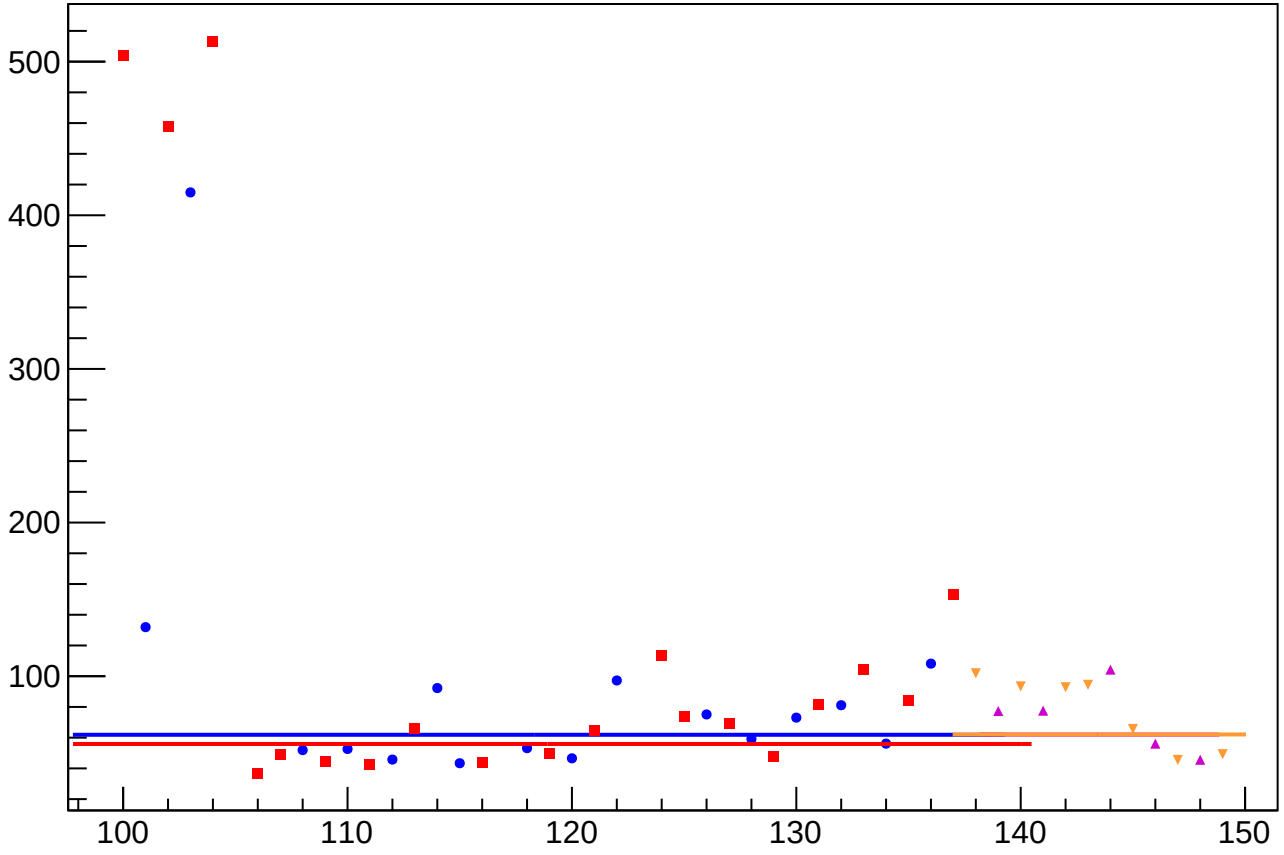
Left In: 0.030+/-0.032 χ^2/NDF:4.6/4

\+ sign -0.013+/-0.020 χ^2/NDF: 21.4/22

All: 0.010+/-0.014 χ^2/NDF: 53.0/46

\- sign 0.032+/-0.020 χ^2/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: 62.085+/-0.021 χ^2/NDF:964612.2/6

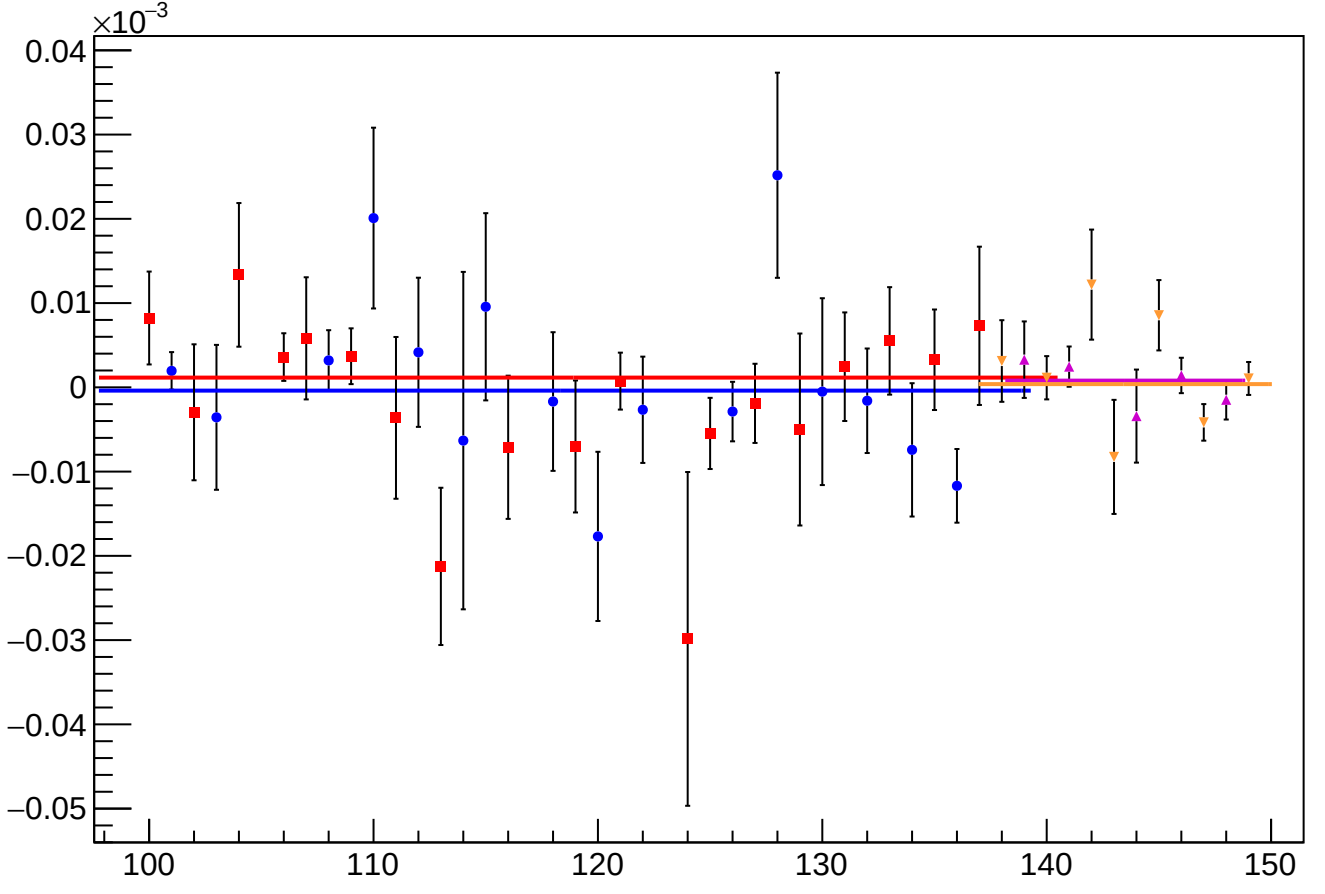
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 62.004+/-0.023 χ^2/NDF:620269.6/4

+ sign 61.968+/-0.014 χ^2/NDF: 2902620.4/22

All: 60.019+/-0.010 χ^2/NDF: 6197447.9/46

- 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:13.6/6

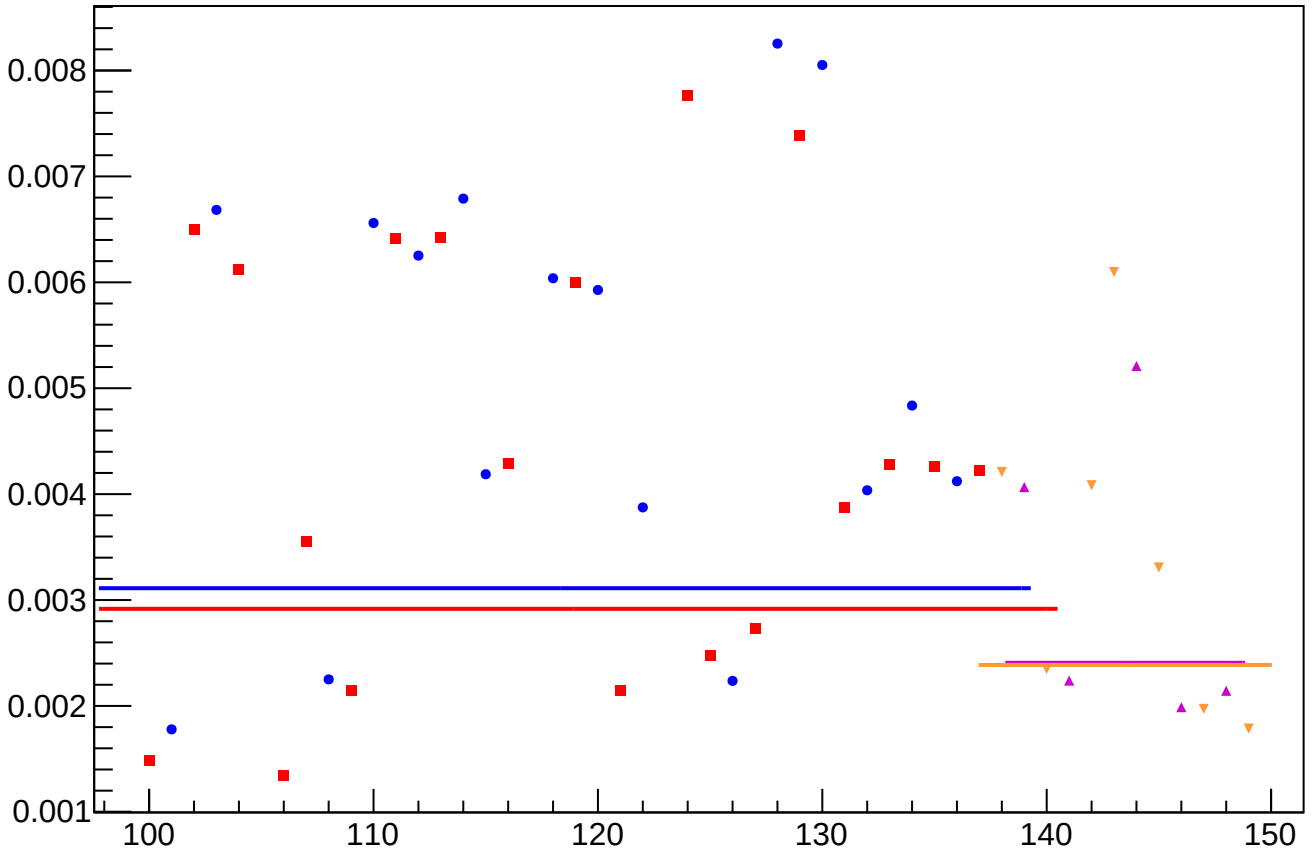
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 36.4/22

All: 0.000+/-0.000 χ^2/NDF: 59.8/46

- 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: 0.002+/-0.000 χ^2/NDF:1378336.1/6

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

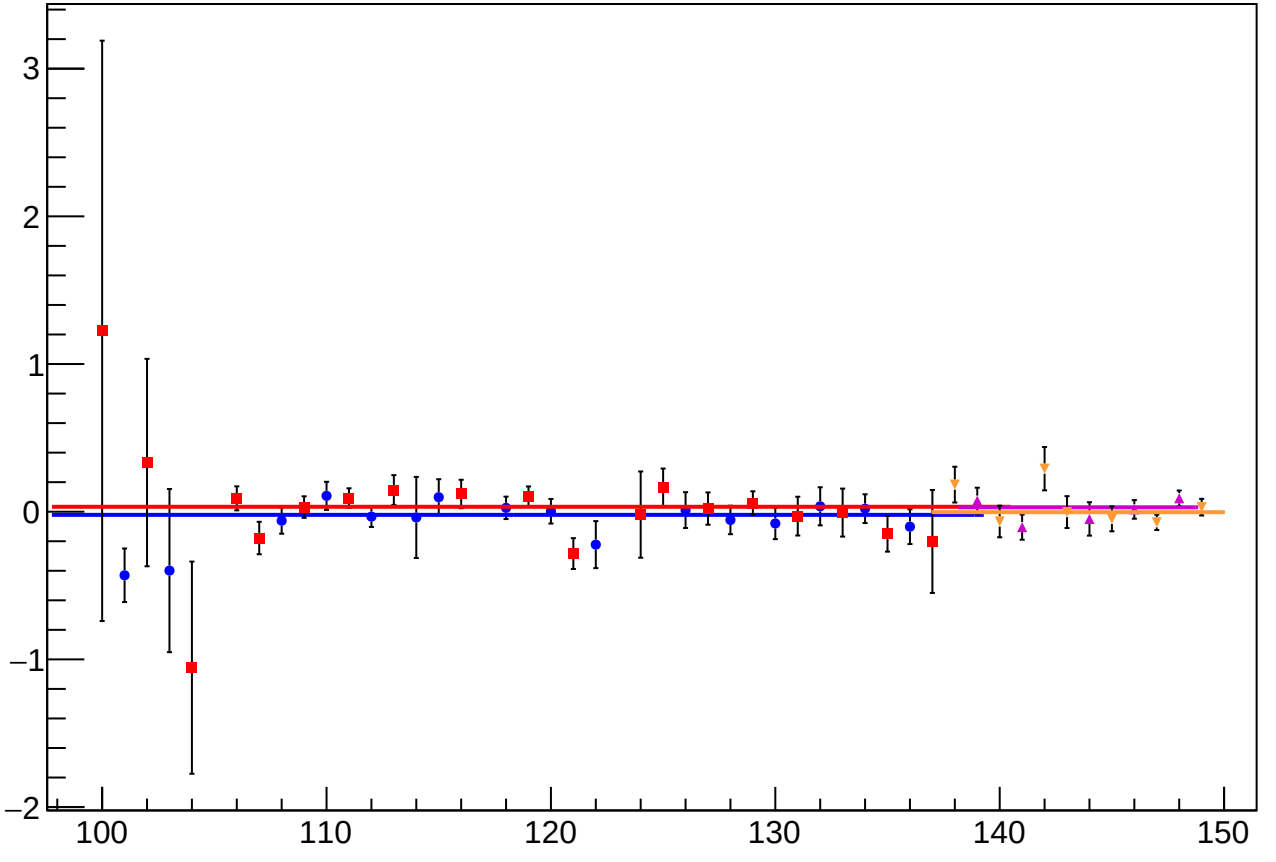
Left In: 0.002+/-0.000 χ^2/NDF:897075.4/4

+ sign 0.003+/-0.000 χ^2/NDF: 5004470.2/22

All: 0.003+/-0.000 χ^2/NDF: 9367816.6/46

- 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: -0.003+/-0.030 χ^2/NDF:9.1/6

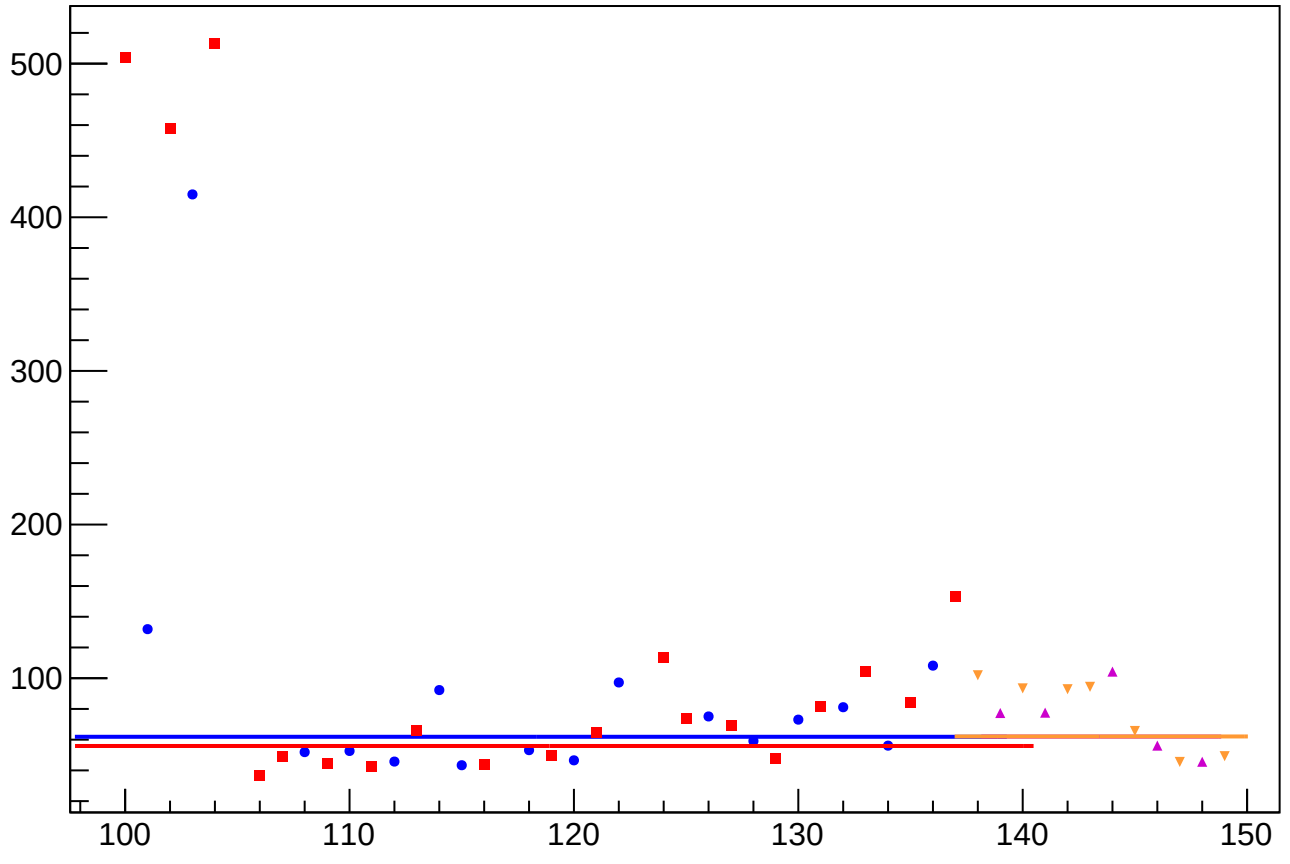
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.030+/-0.032 χ^2/NDF:4.6/4

+ sign -0.013+/-0.020 χ^2/NDF: 21.4/22

All: 0.010+/-0.014 χ^2/NDF: 53.0/46

- 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: 62.085+/-0.021 χ^2/NDF:964613.7/6

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

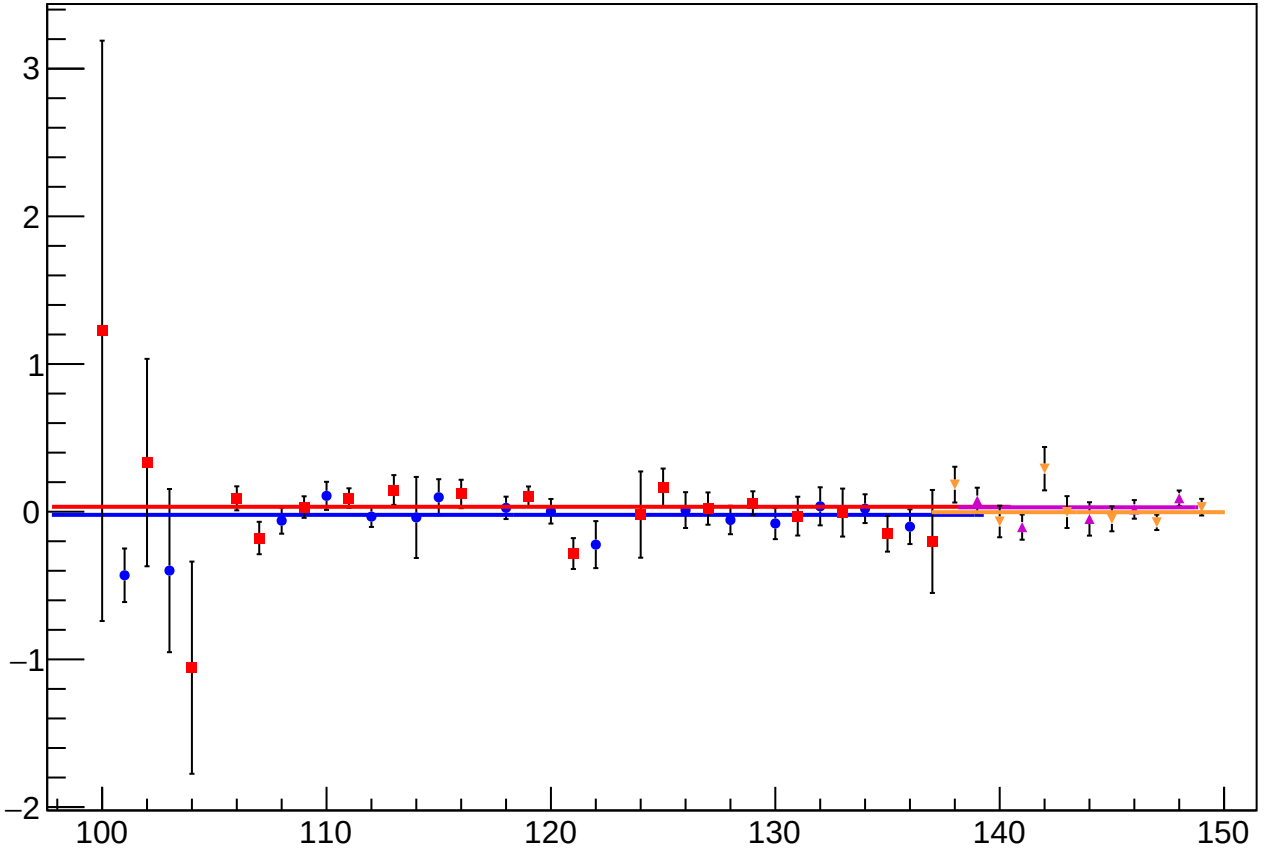
Left In: 62.004+/-0.023 χ^2/NDF:620268.1/4

+ sign 61.967+/-0.014 χ^2/NDF: 2902572.8/22

All: 60.019+/-0.010 χ^2/NDF: 6197375.2/46

- 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: -0.003+/-0.030 χ^2/NDF:9.1/6

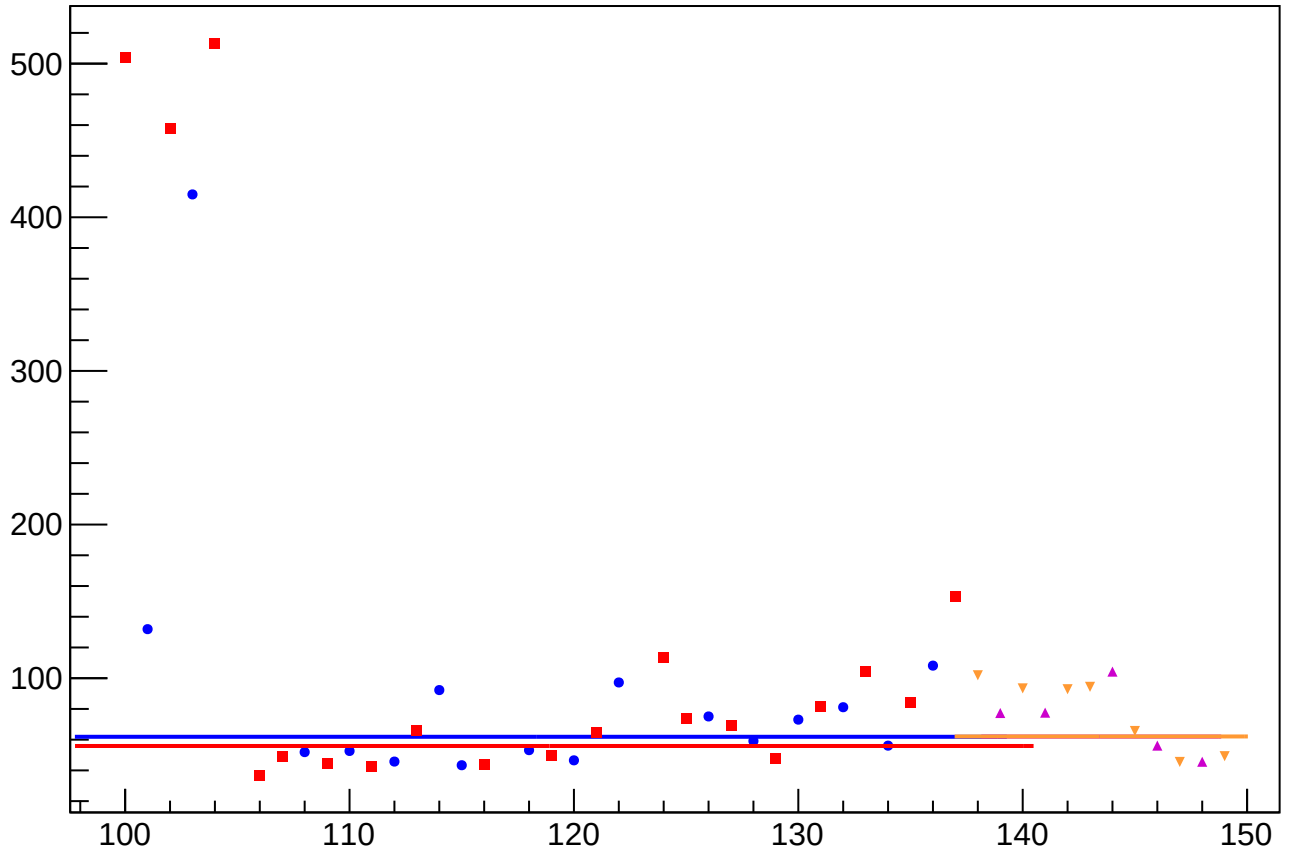
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.030+/-0.032 χ^2/NDF:4.6/4

+ sign -0.013+/-0.020 χ^2/NDF: 21.4/22

All: 0.010+/-0.014 χ^2/NDF: 53.0/46

- 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: 62.085+/-0.021 χ^2/NDF:964613.7/6

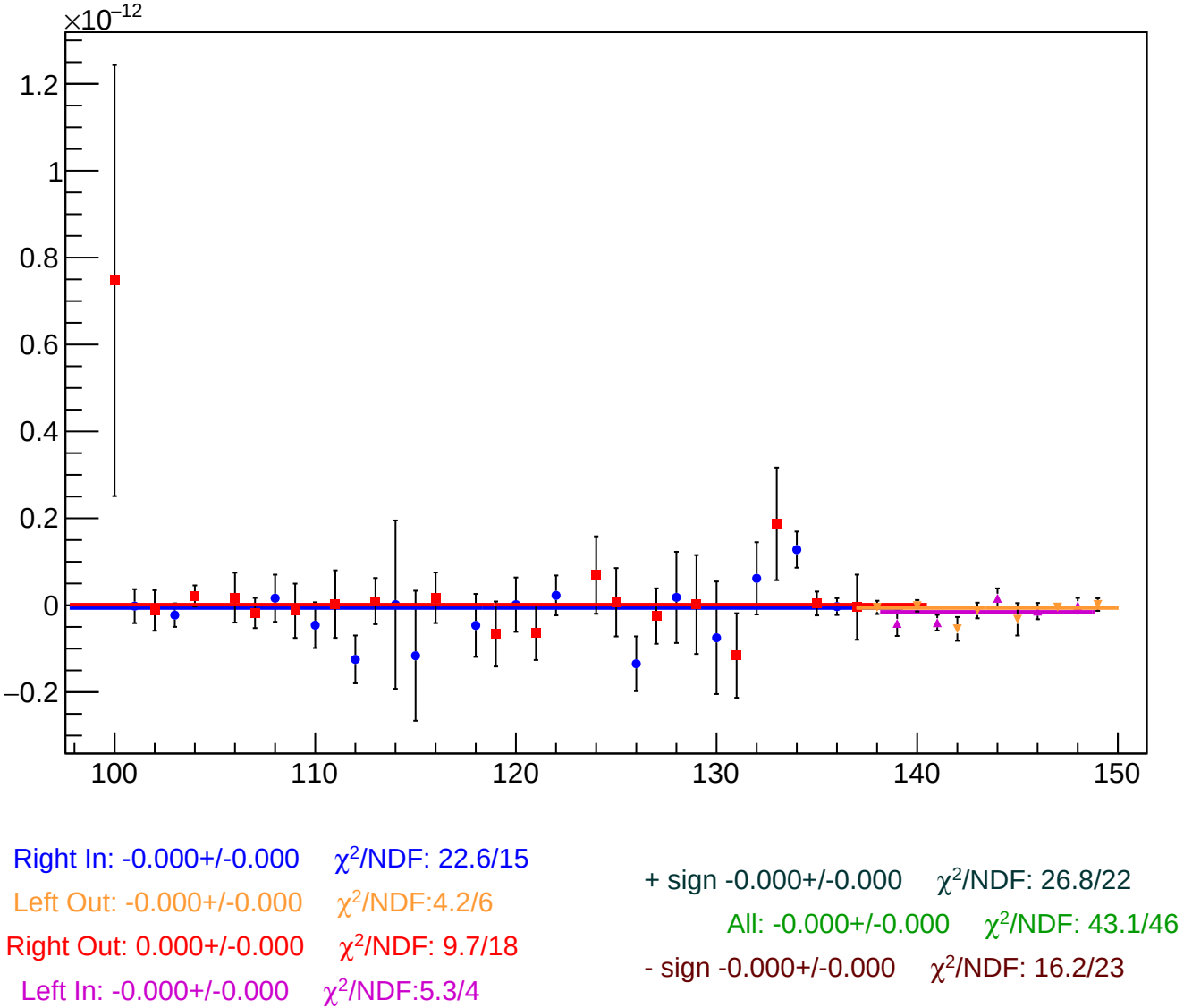
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

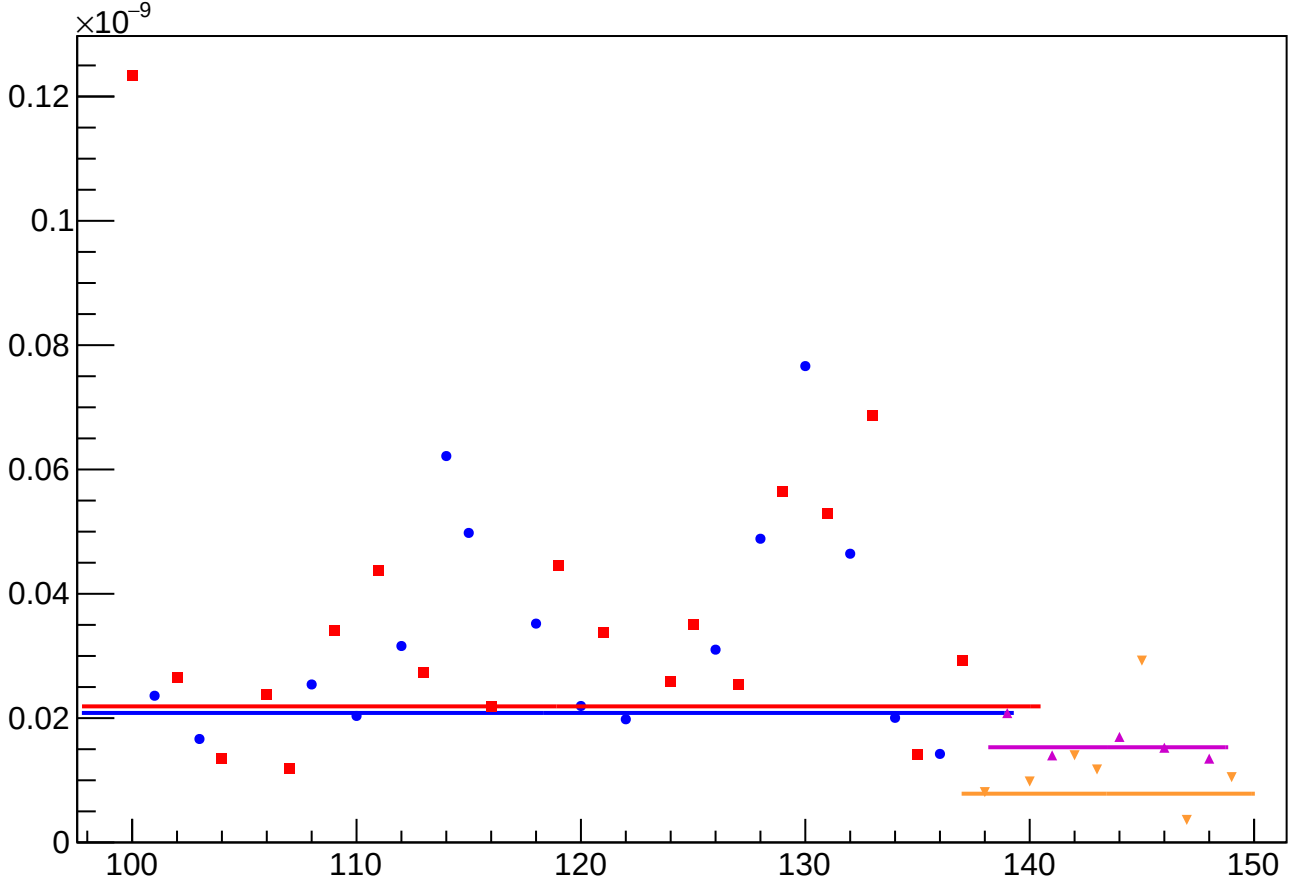
Left In: 62.004+/-0.023 χ^2/NDF:620268.1/4

+ sign 61.967+/-0.014 χ^2/NDF: 2902572.8/22

All: 60.019+/-0.010 χ^2/NDF: 6197375.2/46

- sign 58.134+/-0.014 χ^2/NDF: 3257001.5/23


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1.2
1
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: 22.6/15
Left Out: -0.000+/-0.000 χ²/NDF:4.2/6
Right Out: 0.000+/-0.000 χ²/NDF: 9.7/18
Left In: -0.000+/-0.000 χ²/NDF:5.3/4
+ sign -0.000+/-0.000 χ²/NDF: 26.8/22
All: -0.000+/-0.000 χ²/NDF: 43.1/46
- sign -0.000+/-0.000 χ²/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:1480270.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

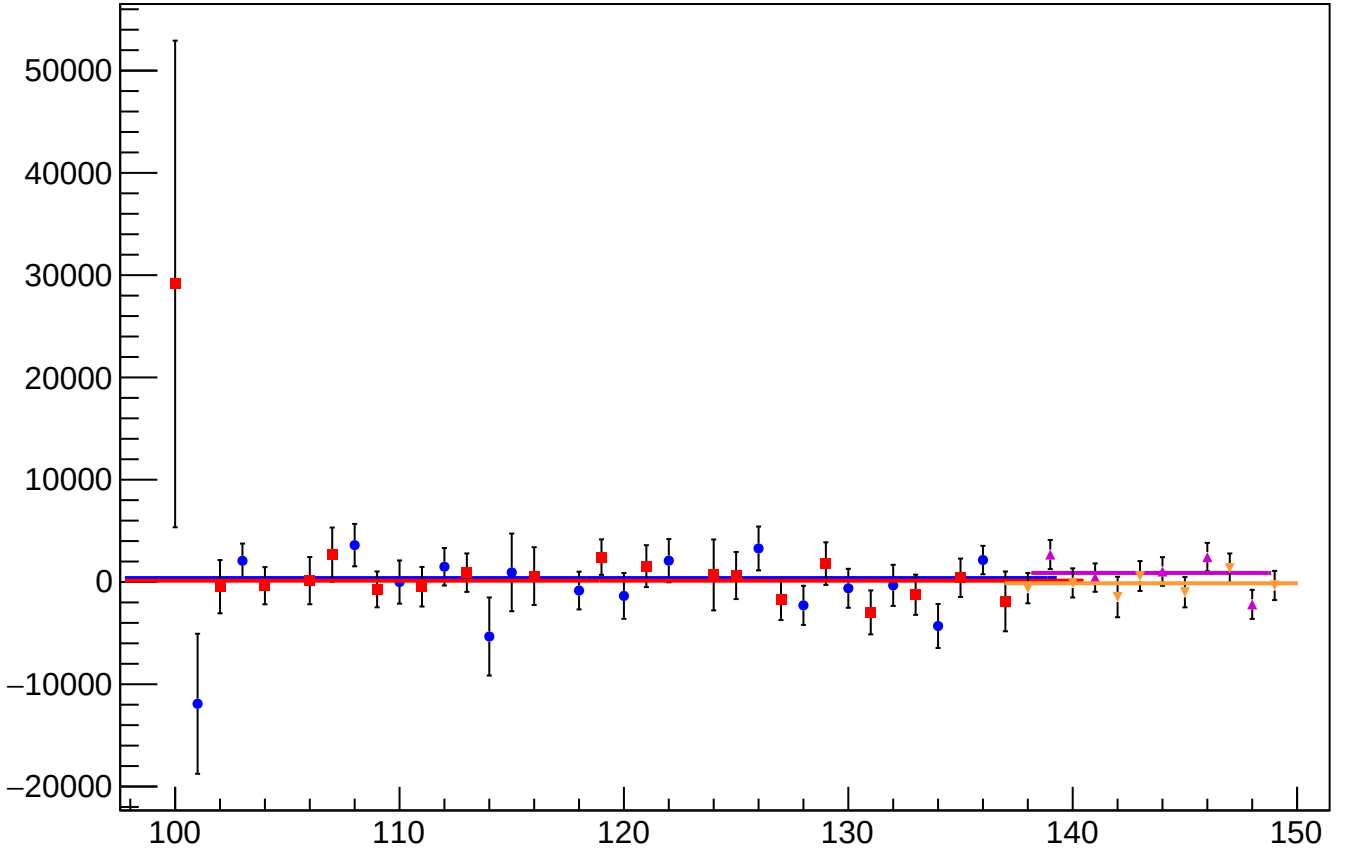
Left In: 0.000+/-0.000 χ^2/NDF:114458.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 5020863.6/22

All: 0.000+/-0.000 χ^2/NDF: 8900295.9/46

- 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: -123.859+/-567.393 χ^2/NDF:2.2/6

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

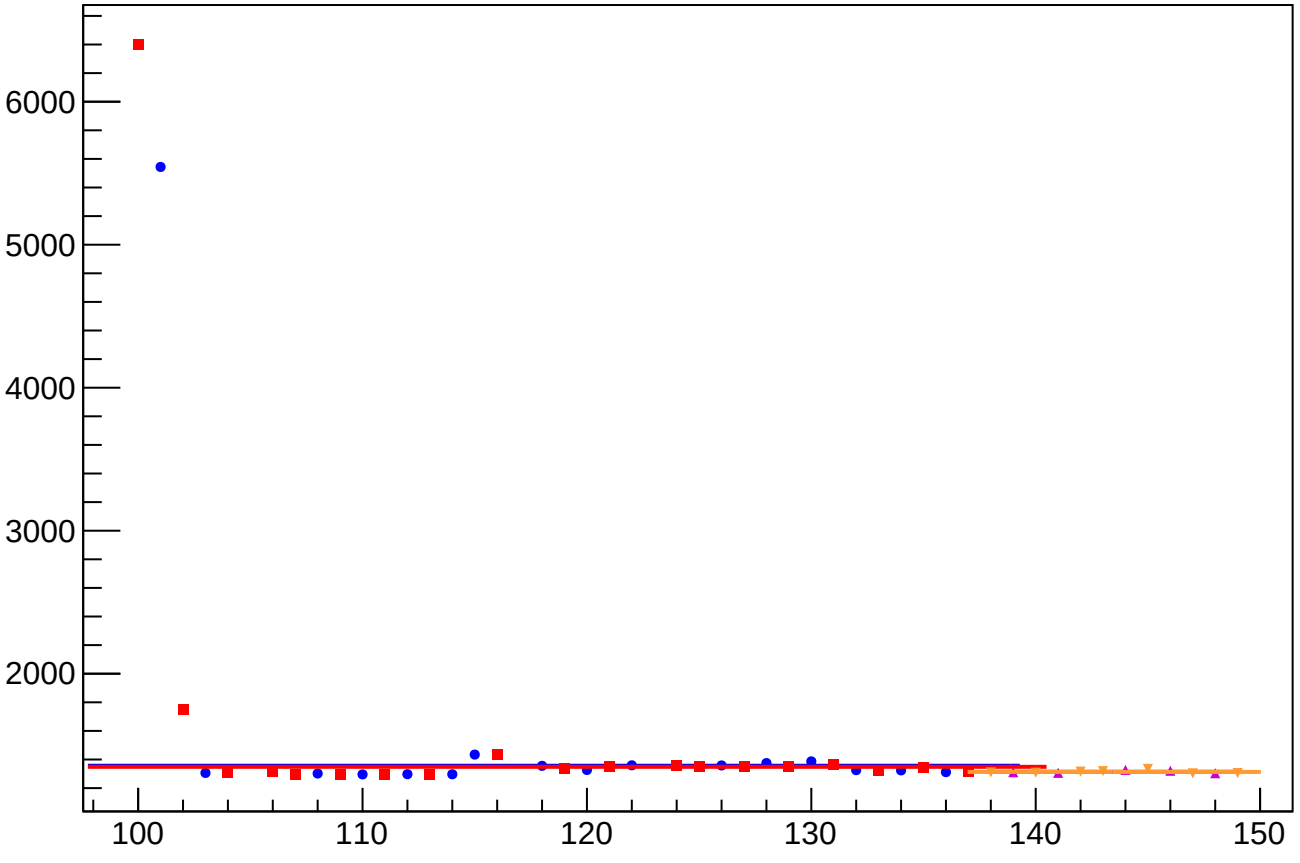
Left In: 885.366+/-628.339 χ^2/NDF:7.6/4

+ sign 151.820+/-382.469 χ^2/NDF: 24.2/22

All: 283.832+/-273.658 χ^2/NDF: 42.9/46

- 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: 1313.202+/-0.401 χ^2/NDF:639.9/6

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

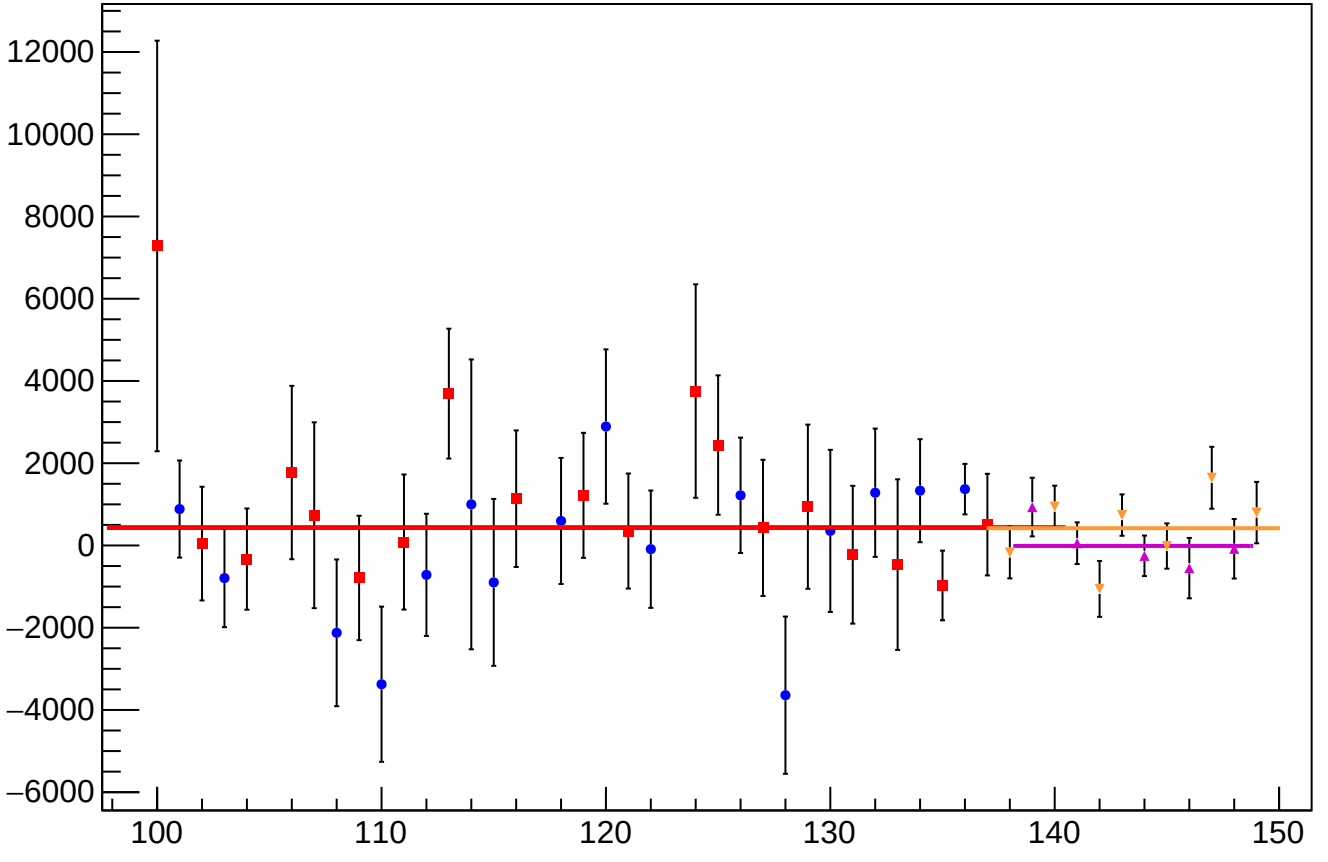
Left In: 1314.296+/-0.444 χ^2/NDF:406.6/4

+ sign 1336.770+/-0.270 χ^2/NDF: 767230.5/22

All: 1336.149+/-0.194 χ^2/NDF: 918637.8/46

- 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: 419.853+/-227.402 χ^2/NDF:10.6/6

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

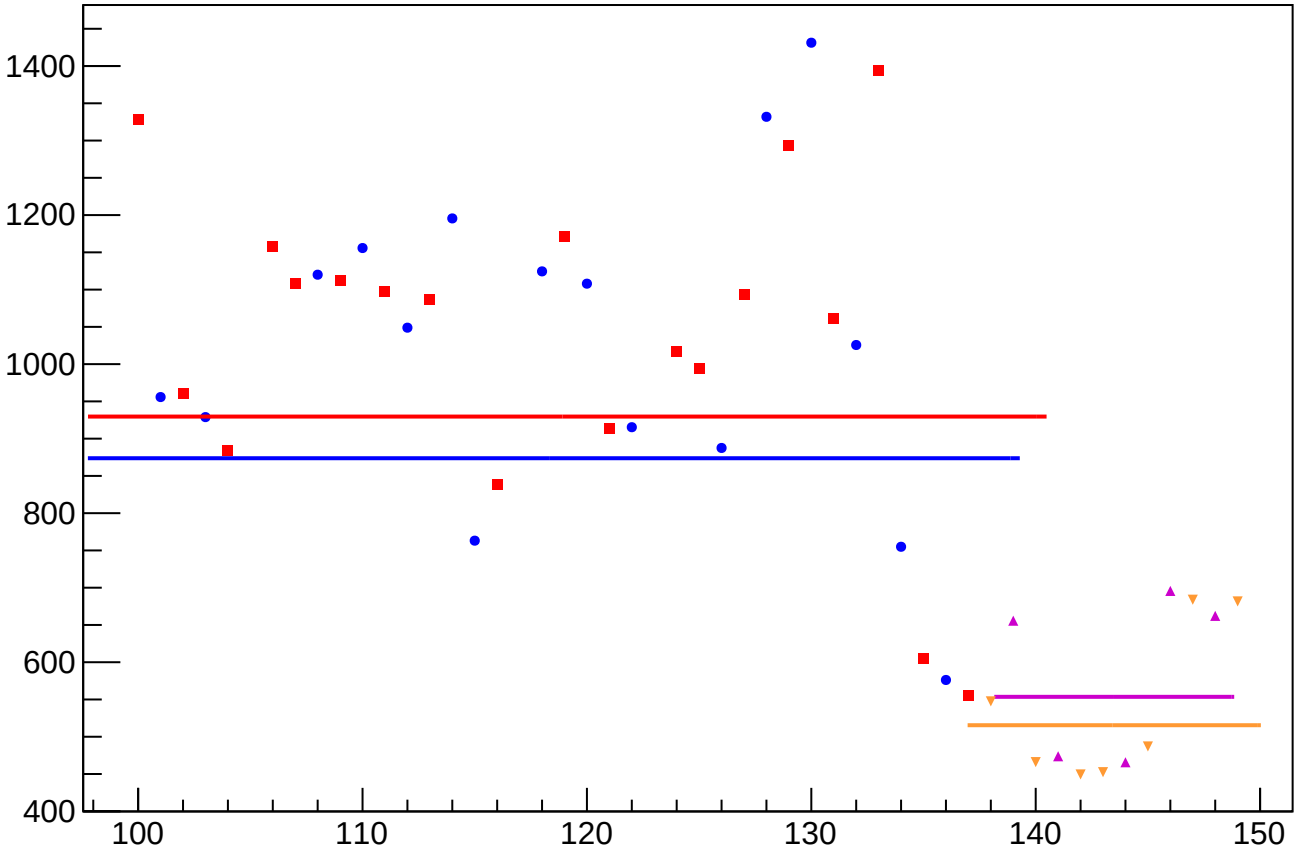
Left In: -11.808+/-269.678 χ^2/NDF:2.6/4

+ sign 423.122+/-188.755 χ^2/NDF: 28.8/22

All: 306.264+/-141.810 χ^2/NDF: 47.7/46

- 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: 515.465+/-0.161 χ^2/NDF:278784.0/6

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

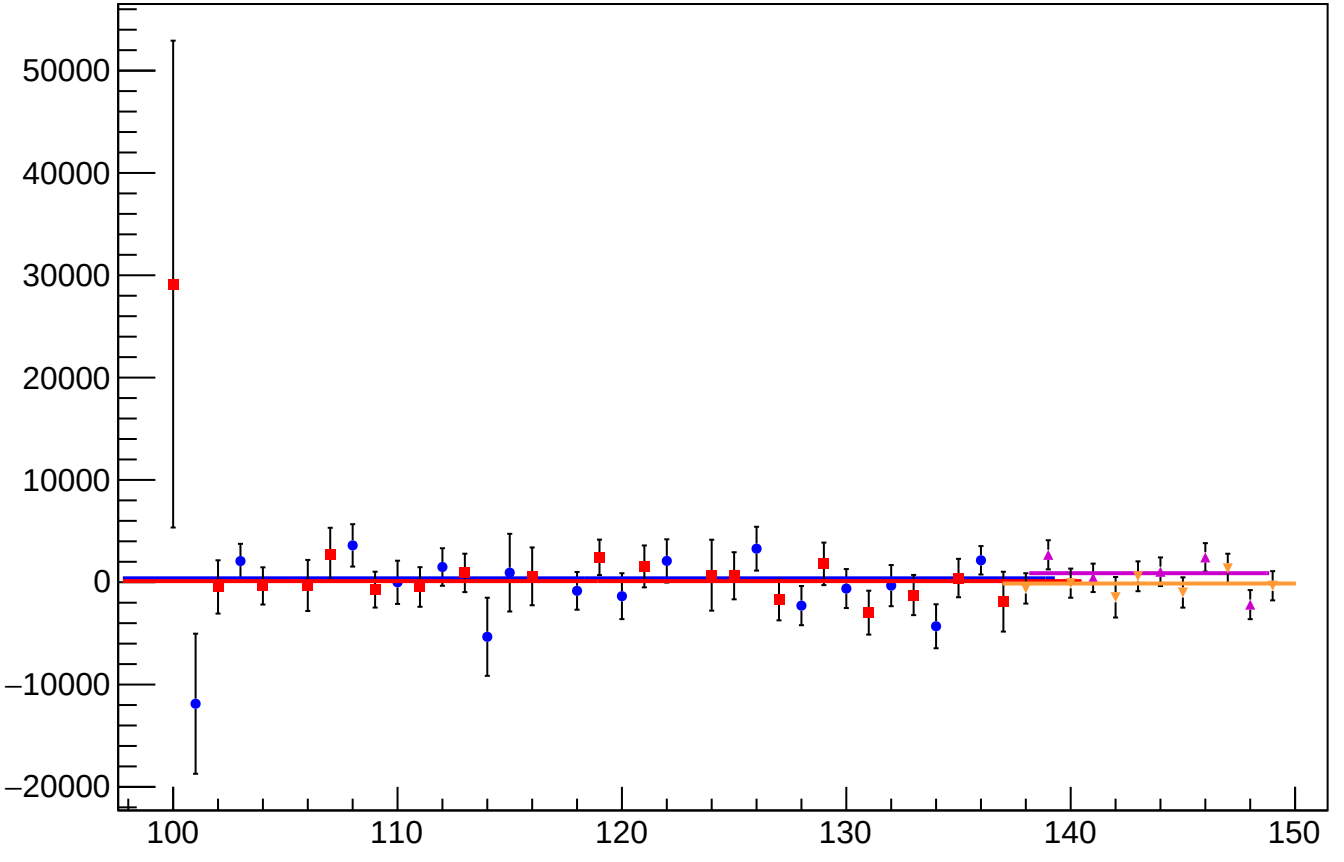
Left In: 553.562+/-0.191 χ^2/NDF:274243.2/4

+ sign 626.892+/-0.133 χ^2/NDF: 2837622.7/22

All: 654.763+/-0.100 χ^2/NDF: 5492105.4/46

- 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: -123.865+/-567.393 χ^2/NDF:2.2/6

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

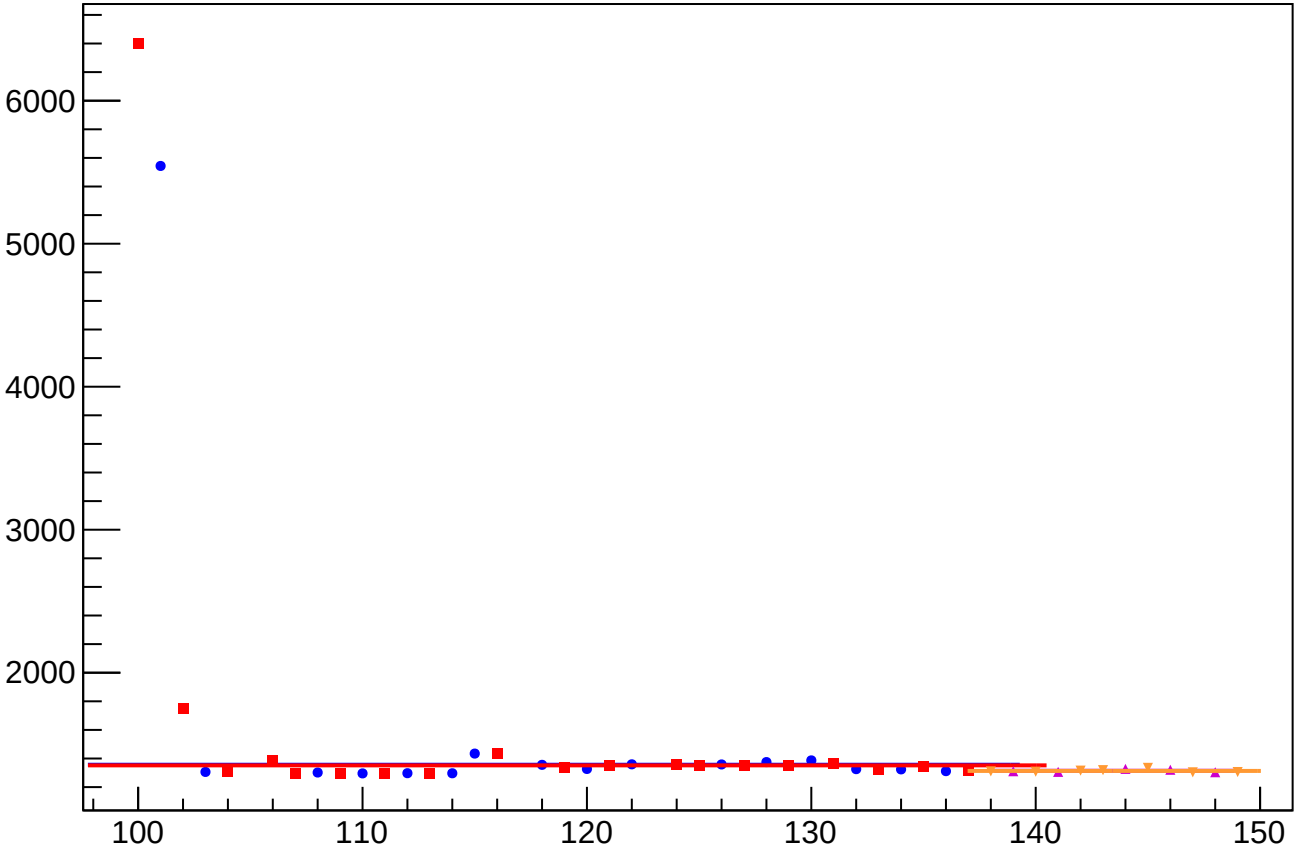
Left In: 885.382+/-628.339 χ^2/NDF:7.6/4

\+ sign 151.985+/-382.469 χ^2/NDF: 24.2/22

All: 278.996+/-273.935 χ^2/NDF: 42.9/46

\- 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: 1313.202+/-0.401 χ^2/NDF:639.9/6

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

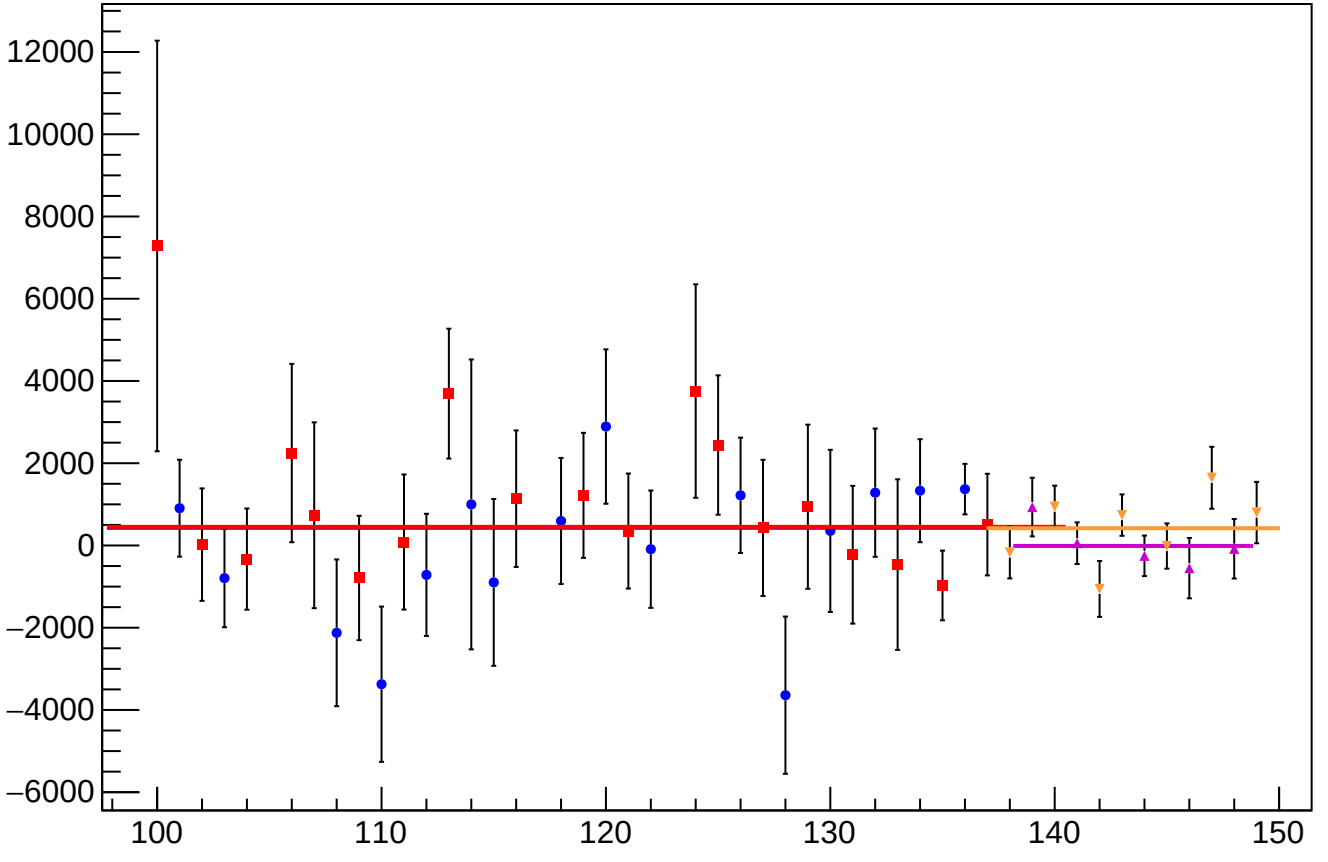
Left In: 1314.296+/-0.444 χ^2/NDF:406.6/4

+ sign 1336.770+/-0.270 χ^2/NDF: 767229.5/22

All: 1337.046+/-0.194 χ^2/NDF: 919375.0/46

- 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: 419.780+/-227.403 χ^2/NDF:10.6/6

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

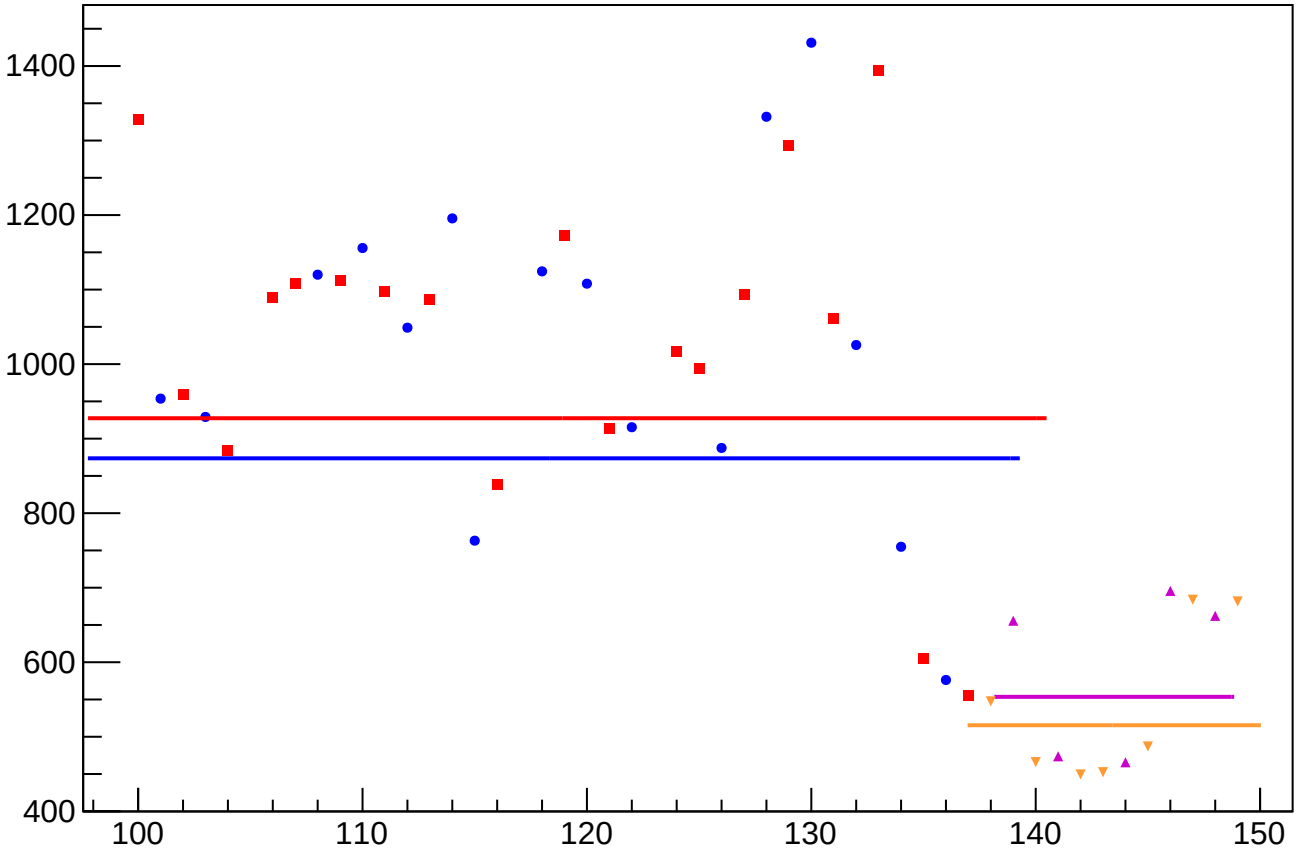
Left In: -11.802+/-269.673 χ^2/NDF:2.6/4

+ sign 423.623+/-188.746 χ^2/NDF: 28.8/22

All: 307.900+/-141.806 χ^2/NDF: 48.0/46

- 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: 515.469+/-0.161 χ^2/NDF:278784.4/6

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

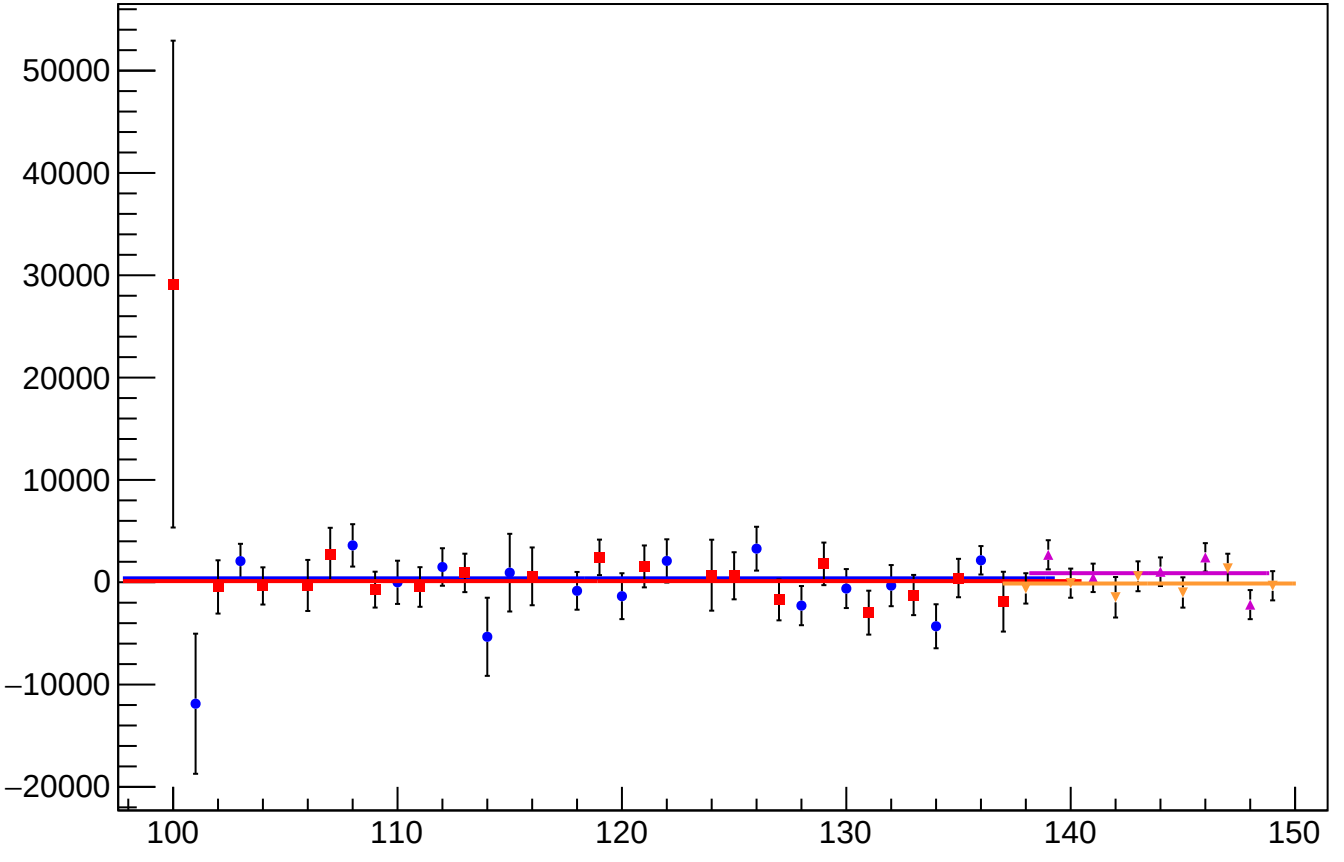
Left In: 553.552+/-0.191 χ^2/NDF:274262.5/4

+ sign 626.883+/-0.133 χ^2/NDF: 2836390.2/22

All: 654.397+/-0.100 χ^2/NDF: 5459087.2/46

- 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: -123.865+/-567.393 χ^2/NDF:2.2/6

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

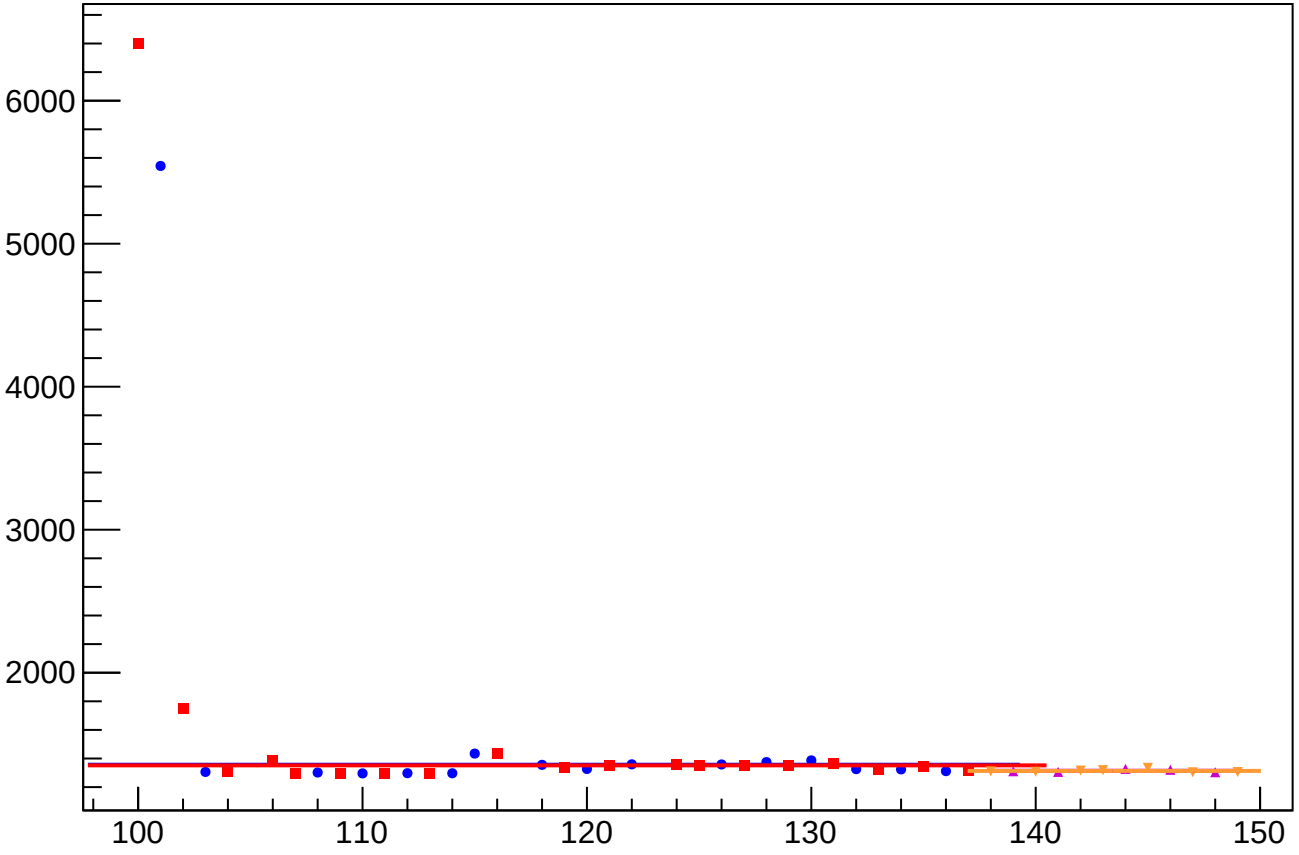
Left In: 885.382+/-628.339 χ^2/NDF:7.6/4

\+ sign 151.985+/-382.469 χ^2/NDF: 24.2/22

All: 278.996+/-273.935 χ^2/NDF: 42.9/46

\- 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: 1313.202+/-0.401 χ^2/NDF:639.9/6

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

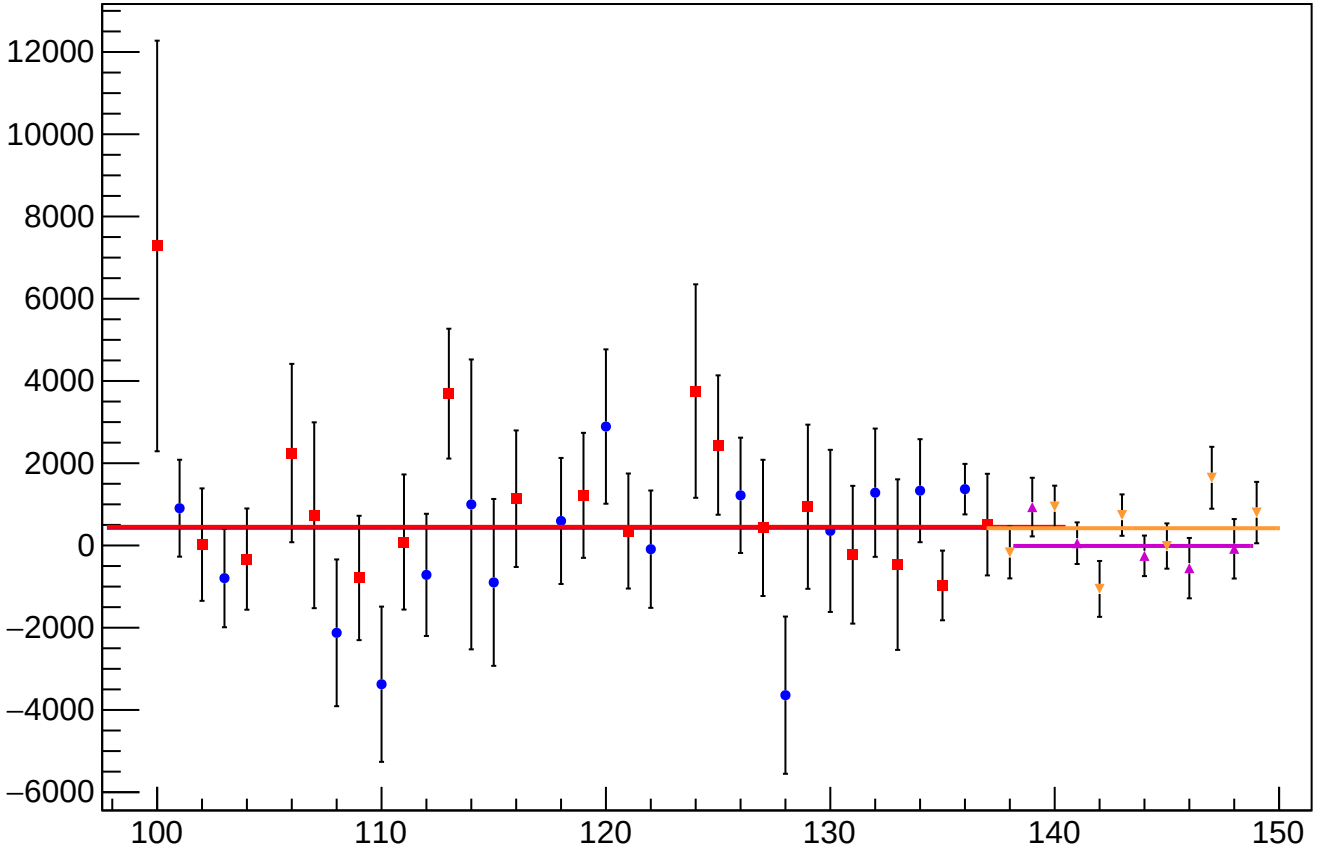
Left In: 1314.296+/-0.444 χ^2/NDF:406.6/4

+ sign 1336.770+/-0.270 χ^2/NDF: 767229.5/22

All: 1337.046+/-0.194 χ^2/NDF: 919375.0/46

- sign 1337.336+/-0.278 χ^2/NDF: 152143.4/23

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 419.780+/-227.403 χ^2/NDF:10.6/6

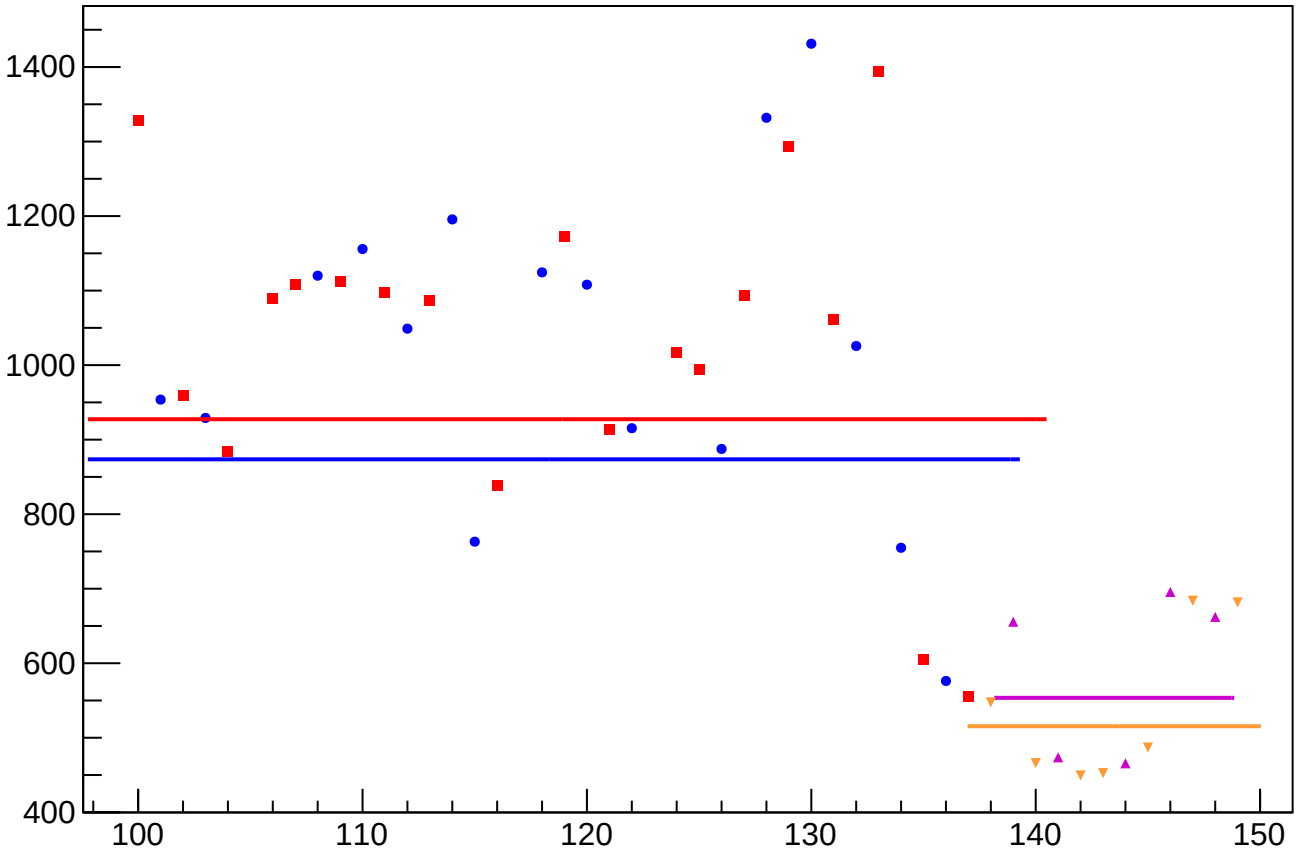
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -11.802+/-269.673 χ^2/NDF:2.6/4

+ sign 423.623+/-188.746 χ^2/NDF: 28.8/22

All: 307.900+/-141.806 χ^2/NDF: 48.0/46

- 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: 515.469+/-0.161 χ^2/NDF:278784.4/6

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

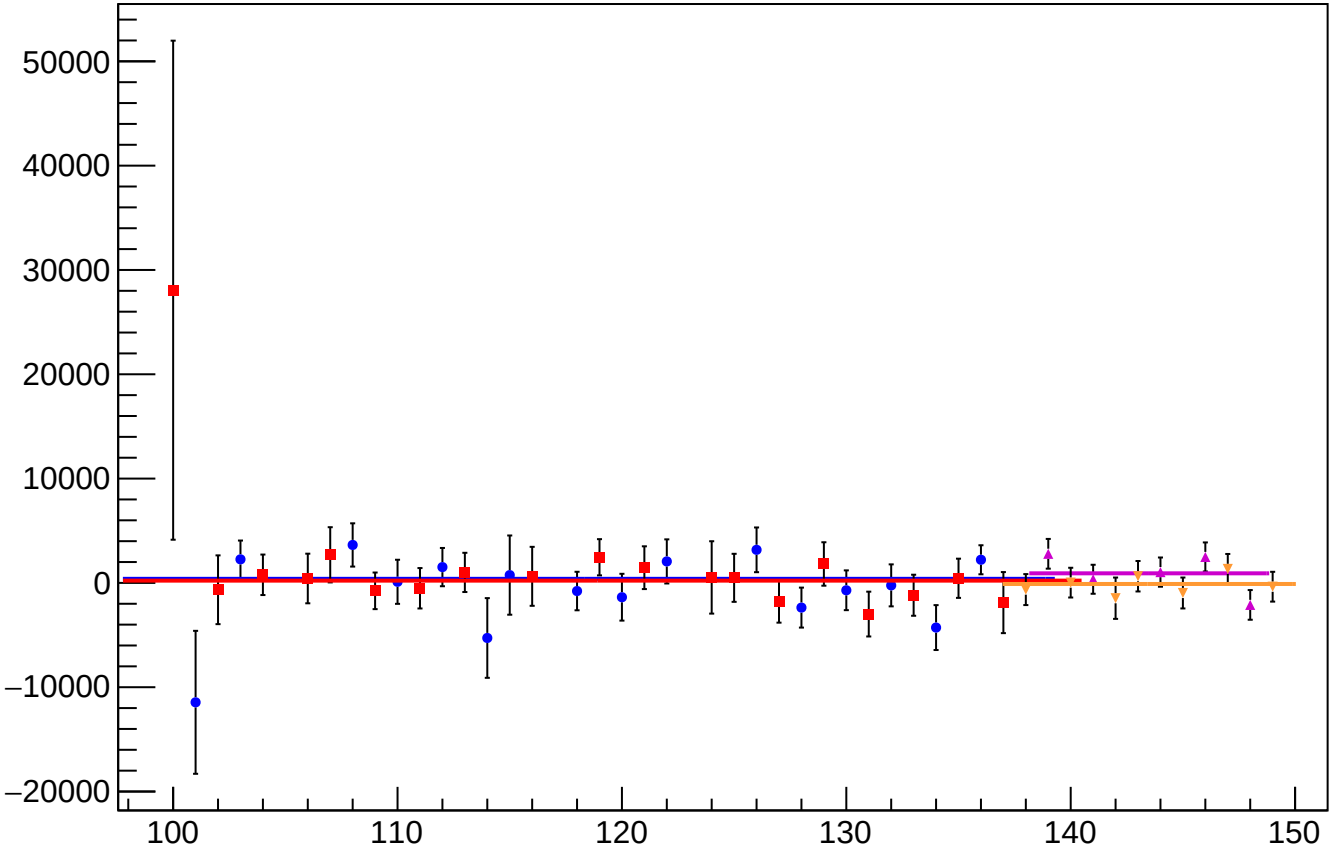
Left In: 553.552+/-0.191 χ^2/NDF:274262.5/4

+ sign 626.883+/-0.133 χ^2/NDF: 2836390.2/22

All: 654.397+/-0.100 χ^2/NDF: 5459087.2/46

- 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: -103.345+/-567.765 χ^2/NDF:2.3/6

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

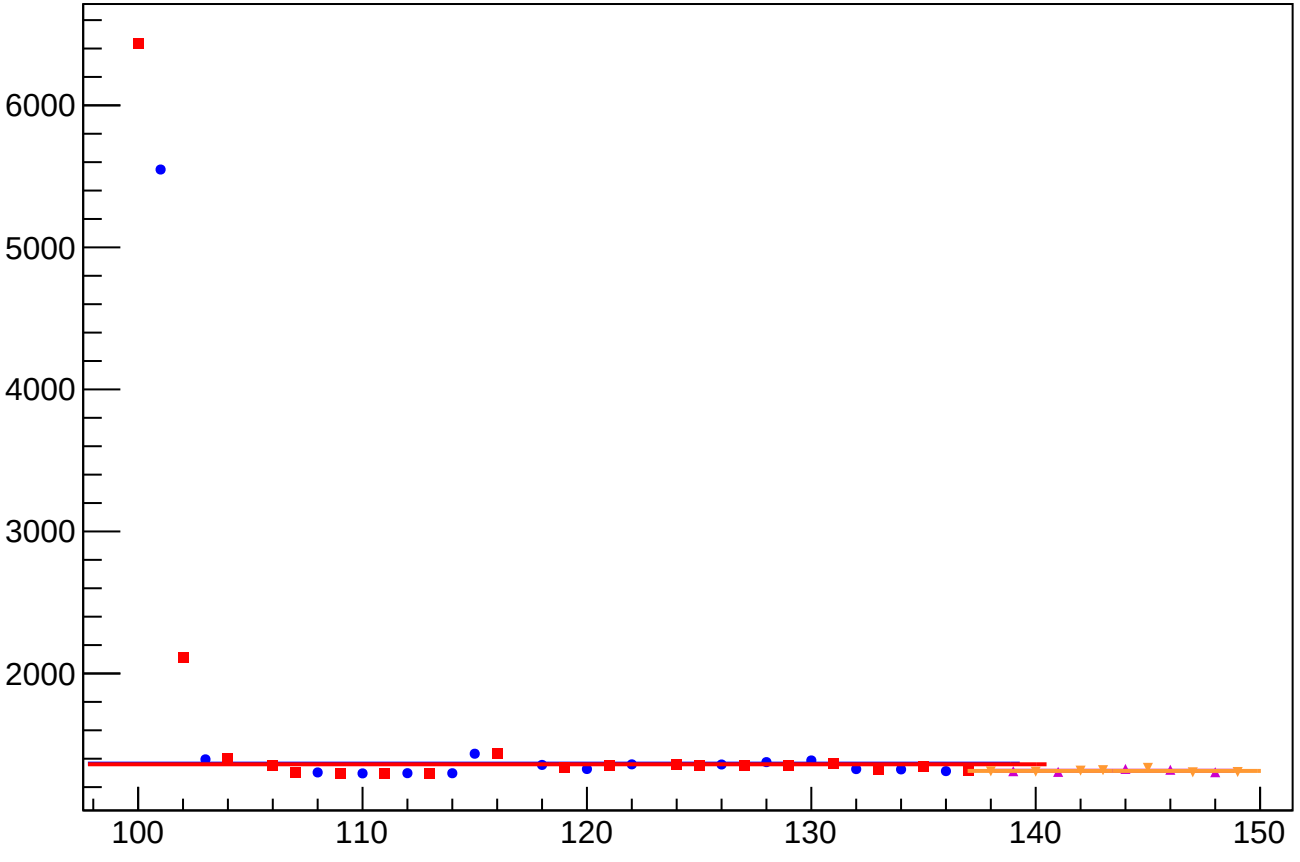
Left In: 918.165+/-628.750 χ^2/NDF:7.7/4

+ sign 164.377+/-383.936 χ^2/NDF: 24.1/22

All: 324.754+/-275.349 χ^2/NDF: 42.8/46

- 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: 1314.064+/-0.401 χ^2/NDF:630.4/6

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

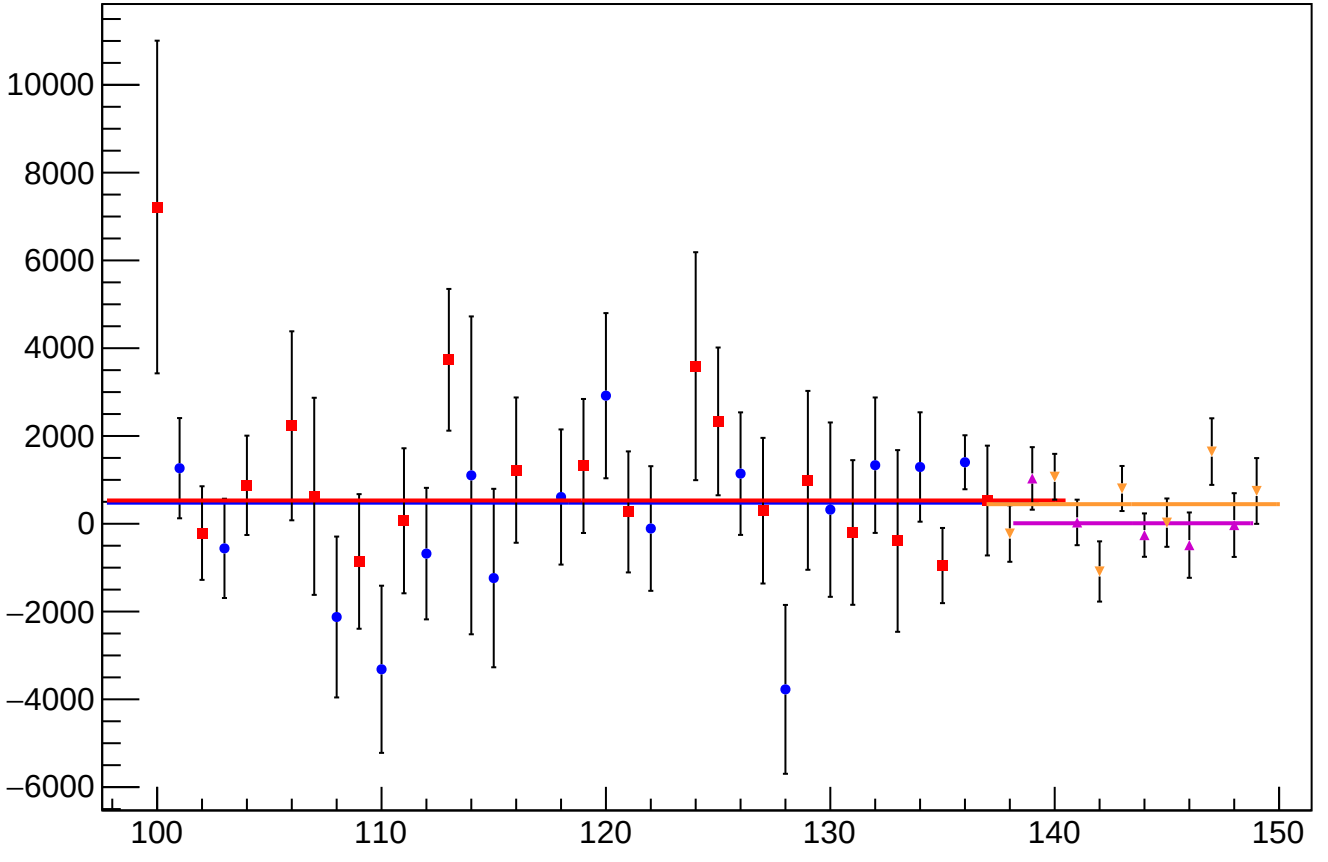
Left In: 1315.155+/-0.445 χ^2/NDF:400.5/4

+ sign 1341.872+/-0.271 χ^2/NDF: 768415.2/22

All: 1342.302+/-0.195 χ^2/NDF: 980506.0/46

- 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: 446.462+/-230.509 χ^2/NDF:11.2/6

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

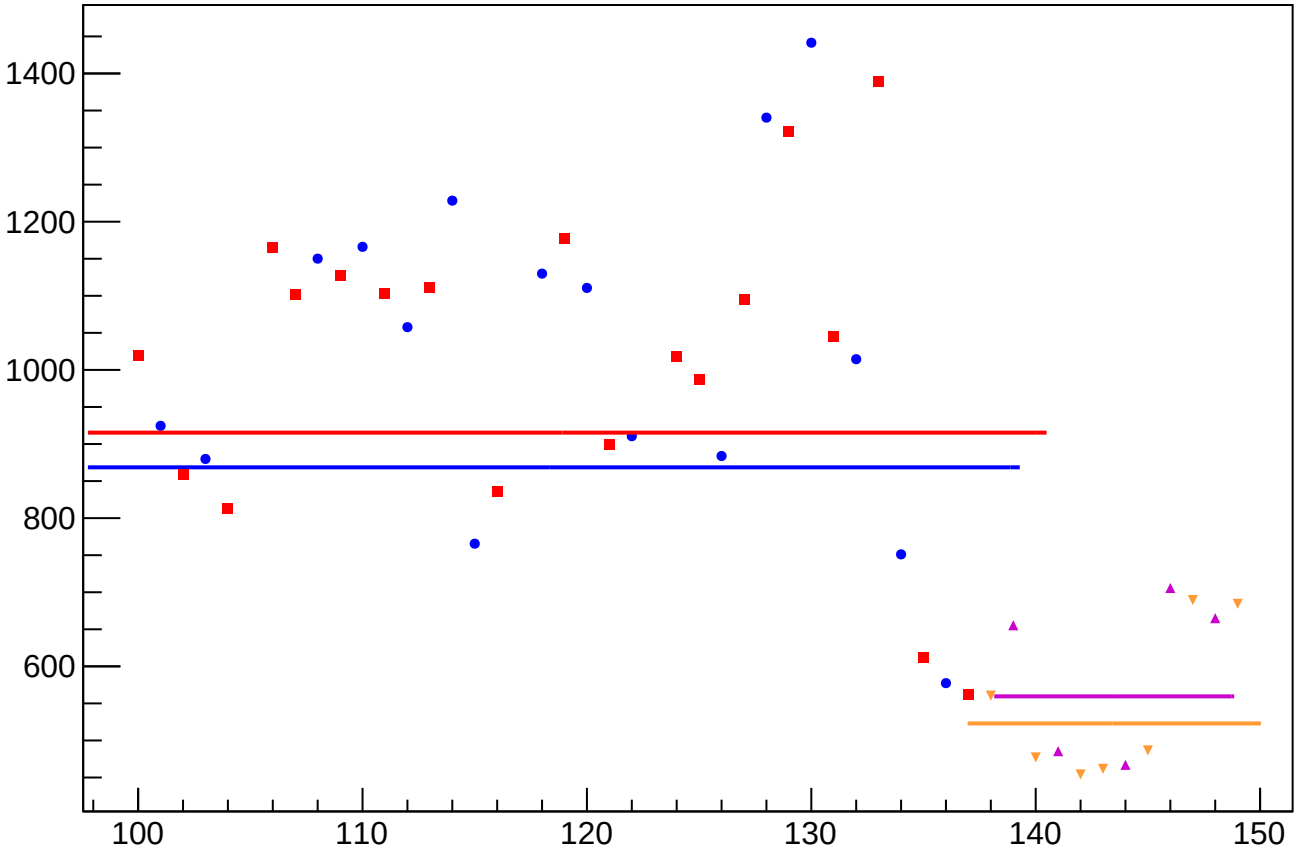
Left In: 11.626+/-272.354 χ^2/NDF:2.8/4

+ sign 457.301+/-190.173 χ^2/NDF: 29.8/22

All: 348.227+/-142.163 χ^2/NDF: 50.4/46

- 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: 522.976+/-0.163 χ^2/NDF:268673.1/6

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

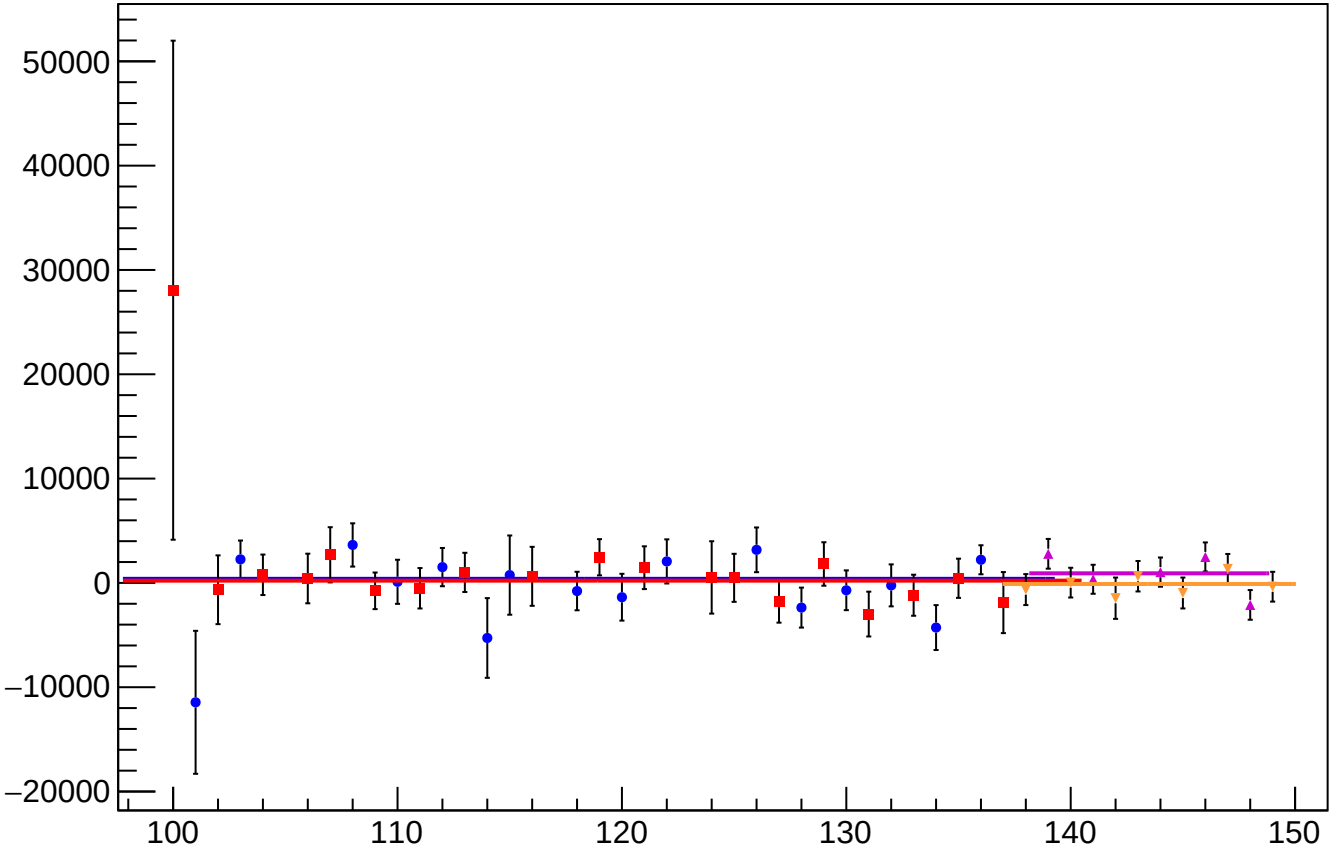
Left In: 559.497+/-0.193 χ^2/NDF:266189.2/4

\+ sign 633.344+/-0.134 χ^2/NDF: 2725713.8/22

All: 660.804+/-0.101 χ^2/NDF: 5251118.4/46

\- 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: -103.345+/-567.765 χ^2/NDF:2.3/6

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

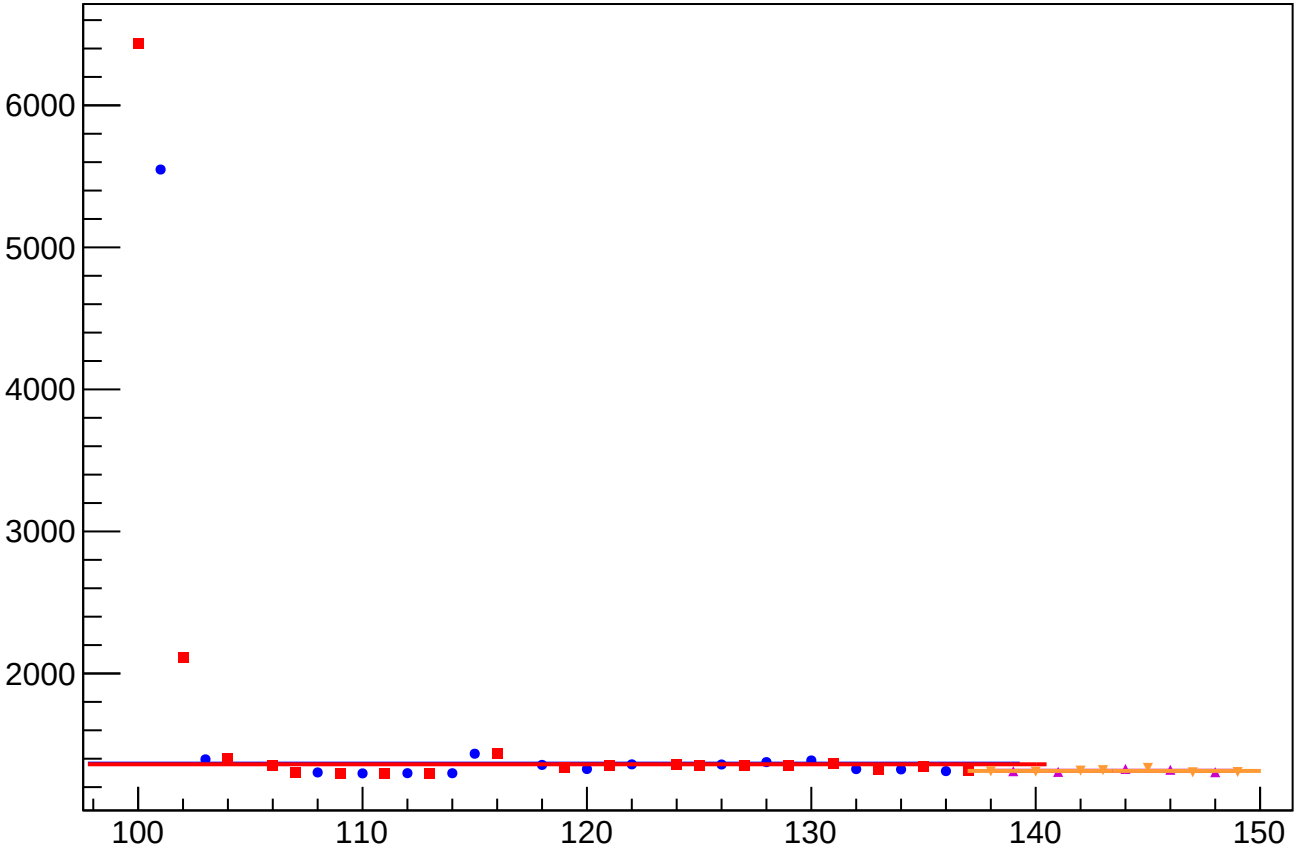
Left In: 918.166+/-628.750 χ^2/NDF:7.7/4

+ sign 164.377+/-383.936 χ^2/NDF: 24.1/22

All: 324.754+/-275.349 χ^2/NDF: 42.8/46

- 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: 1314.064+/-0.401 χ^2/NDF:630.4/6

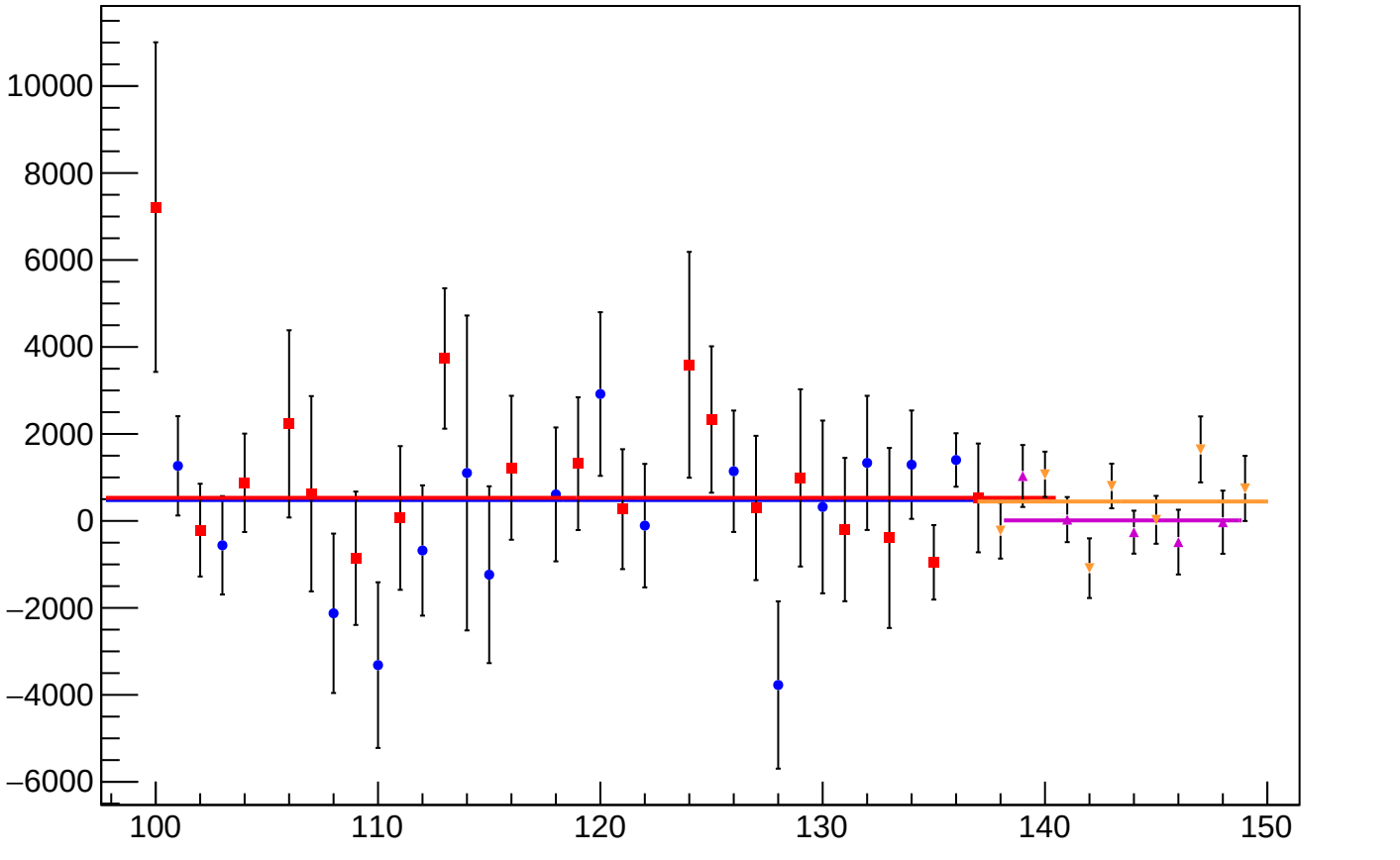
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1315.155+/-0.445 χ^2/NDF:400.5/4

+ sign 1341.872+/-0.271 χ^2/NDF: 768415.2/22

All: 1342.302+/-0.195 χ^2/NDF: 980505.9/46

- sign 1342.757+/-0.279 χ^2/NDF: 212085.6/23



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 446.464+/-230.509 χ^2/NDF:11.2/6

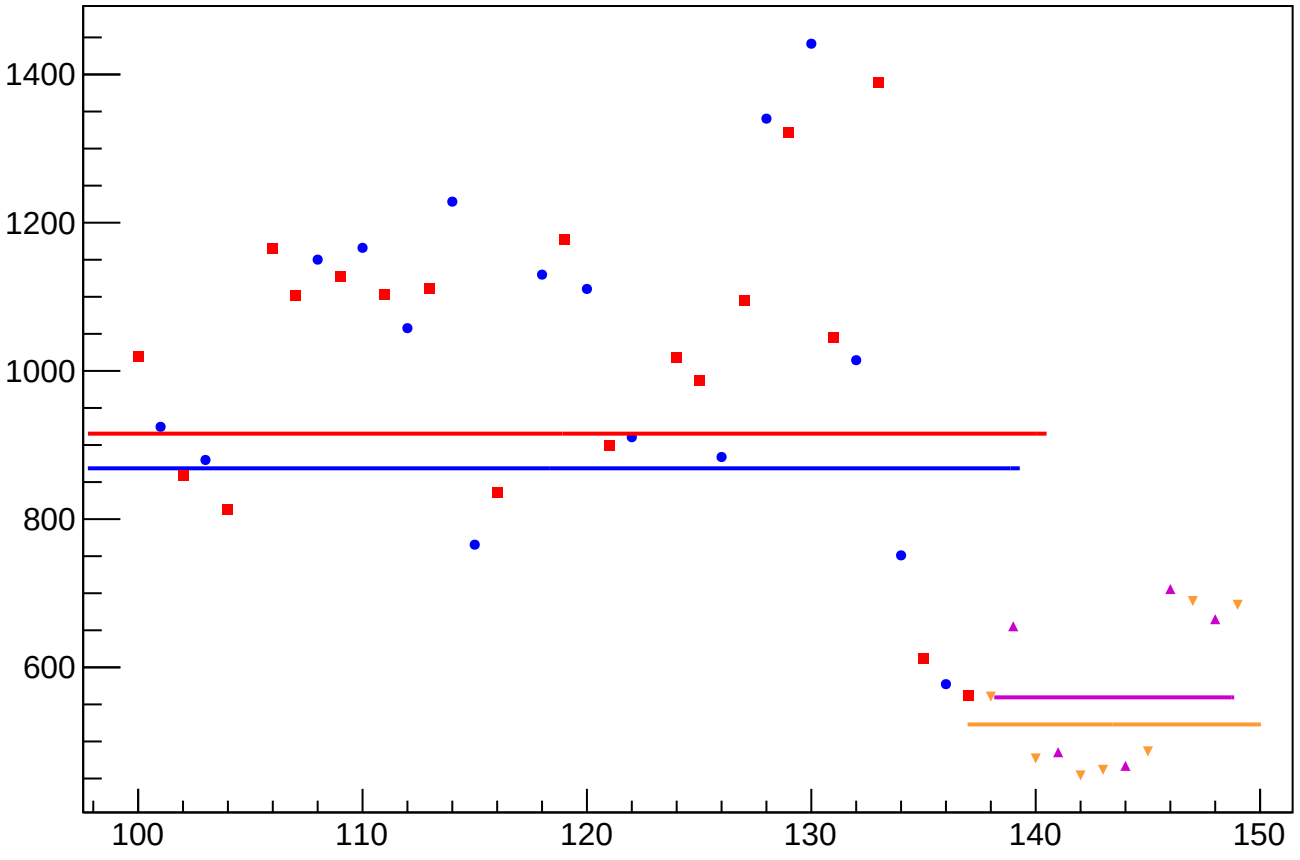
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 11.626+/-272.354 χ^2/NDF:2.8/4

+ sign 457.302+/-190.173 χ^2/NDF: 29.8/22

All: 348.228+/-142.163 χ^2/NDF: 50.4/46

- 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: 522.976+/-0.163 χ^2/NDF:268675.4/6

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

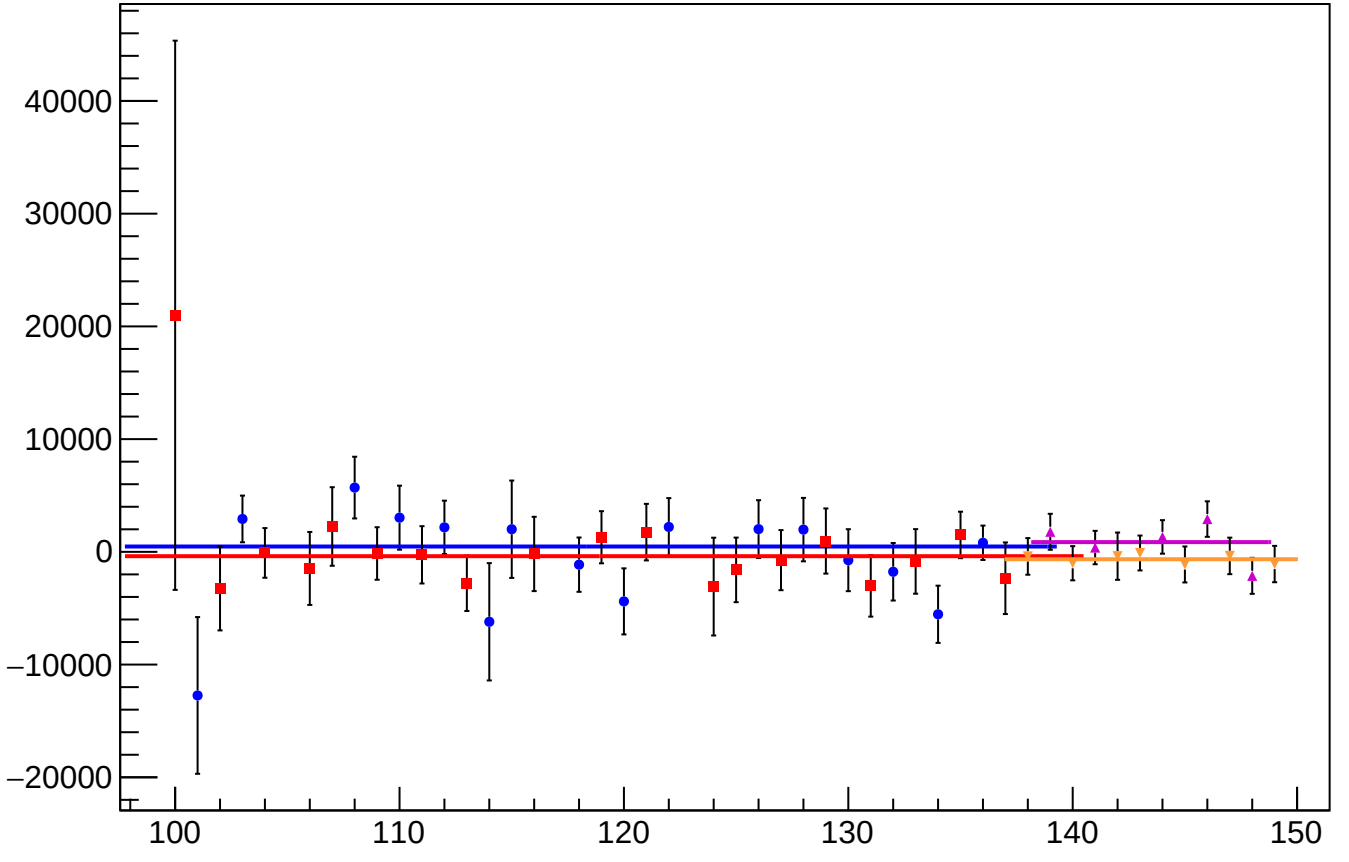
Left In: 559.497+/-0.193 χ^2/NDF:266190.5/4

+ sign 633.343+/-0.134 χ^2/NDF: 2725704.5/22

All: 660.804+/-0.101 χ^2/NDF: 5251098.4/46

- 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: -654.867+/-618.048 χ^2/NDF:0.4/6

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

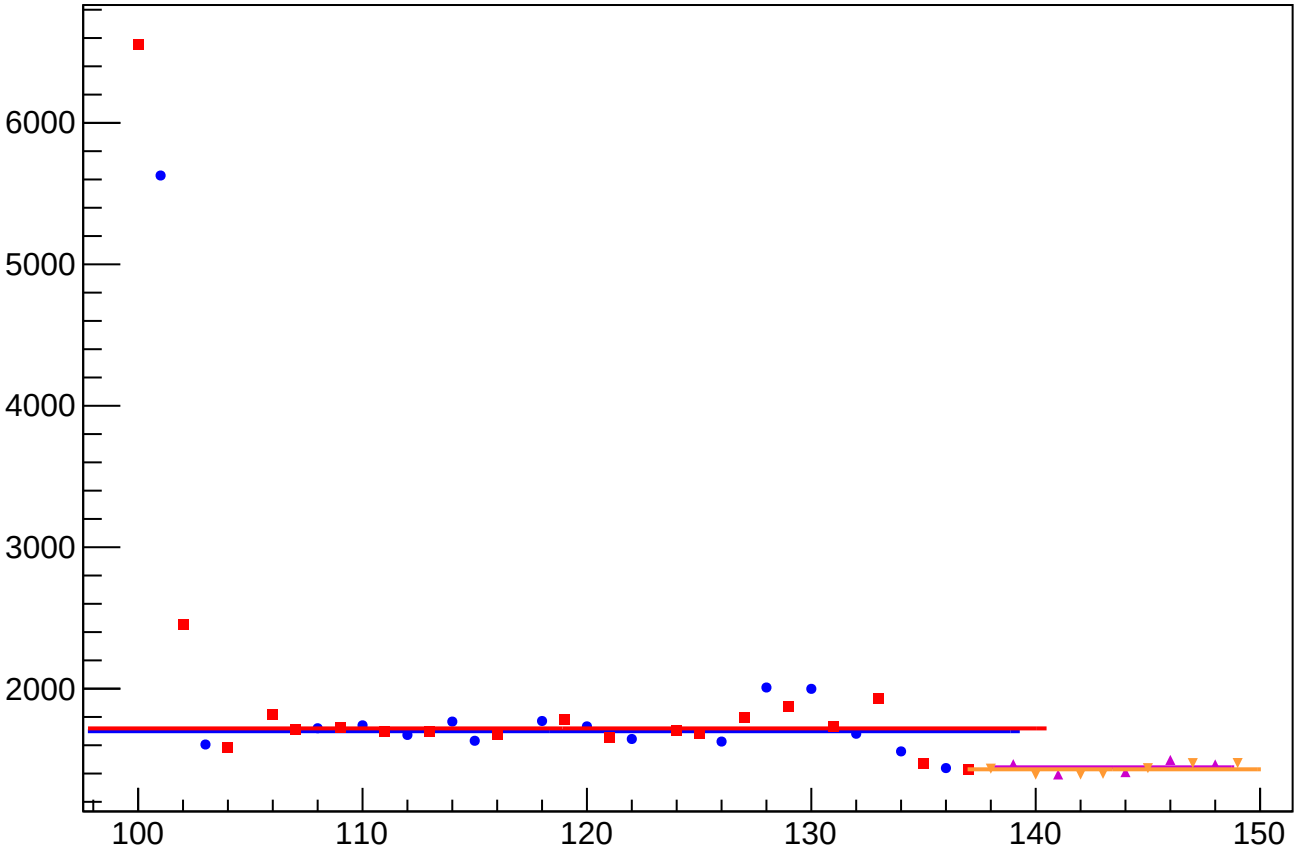
Left In: 863.874+/-690.585 χ^2/NDF:5.7/4

+ sign -118.444+/-447.648 χ^2/NDF: 24.7/22

All: 30.141+/-324.214 χ^2/NDF: 39.7/46

- 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: 1429.918+/-0.437 χ^2/NDF:5752.6/6

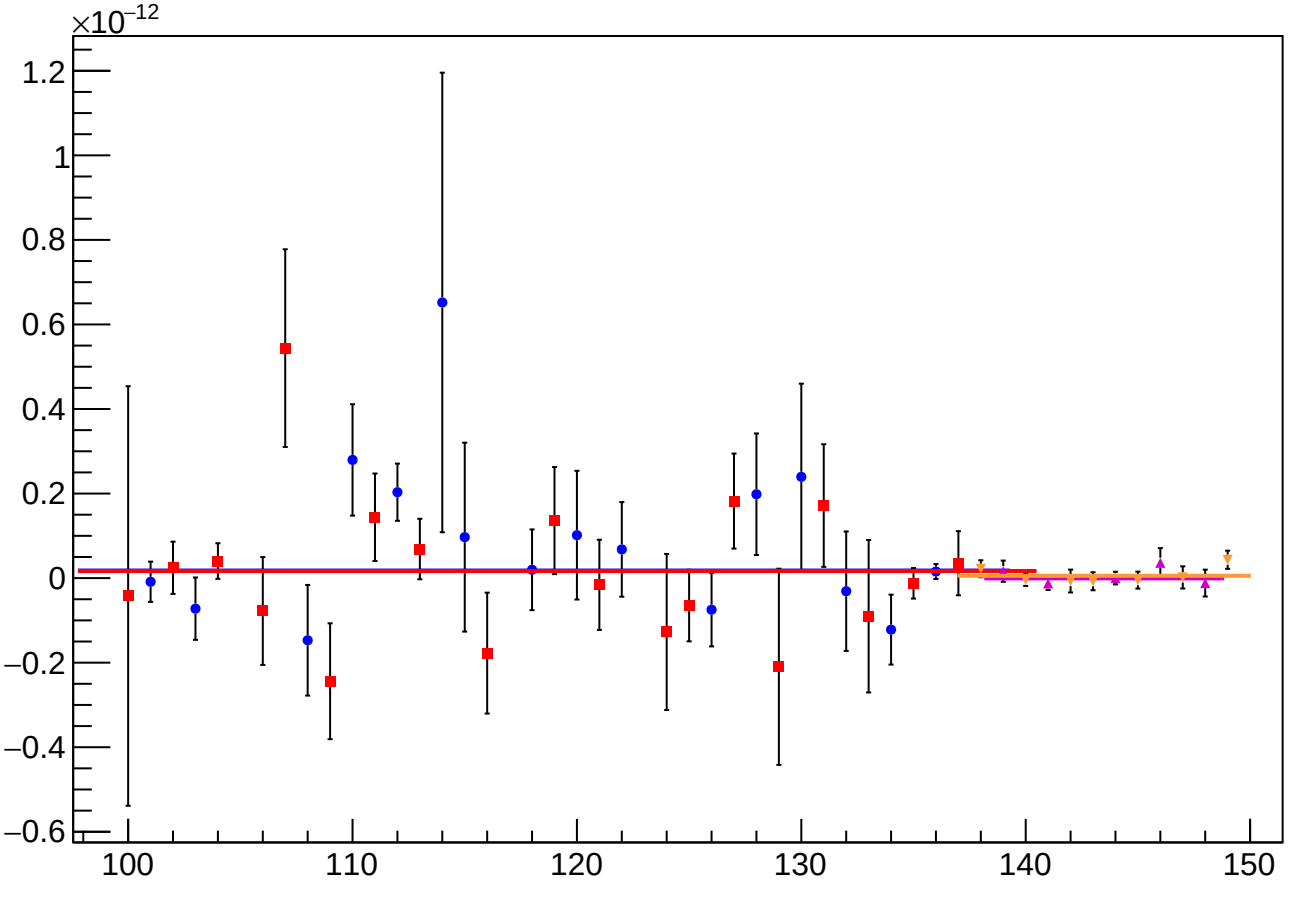
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1443.921+/-0.488 χ^2/NDF:6289.3/4

+ sign 1557.996+/-0.317 χ^2/NDF: 948516.9/22

All: 1573.941+/-0.229 χ^2/NDF: 1364242.4/46

- sign 1591.533+/-0.332 χ^2/NDF: 410388.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/6

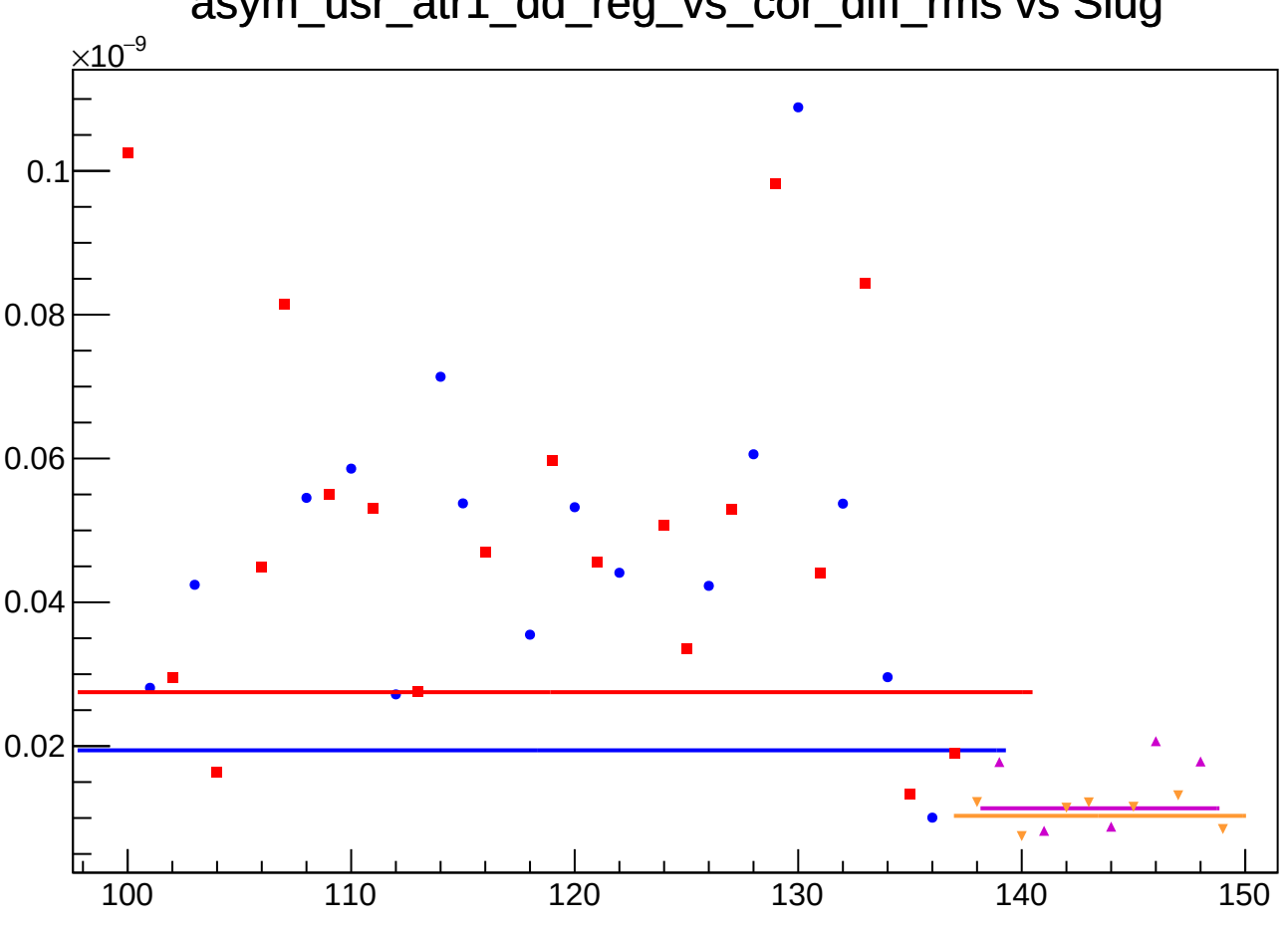
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/22

All: 0.000+/-0.000 χ^2/NDF: 53.8/46

- 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:160388.8/6

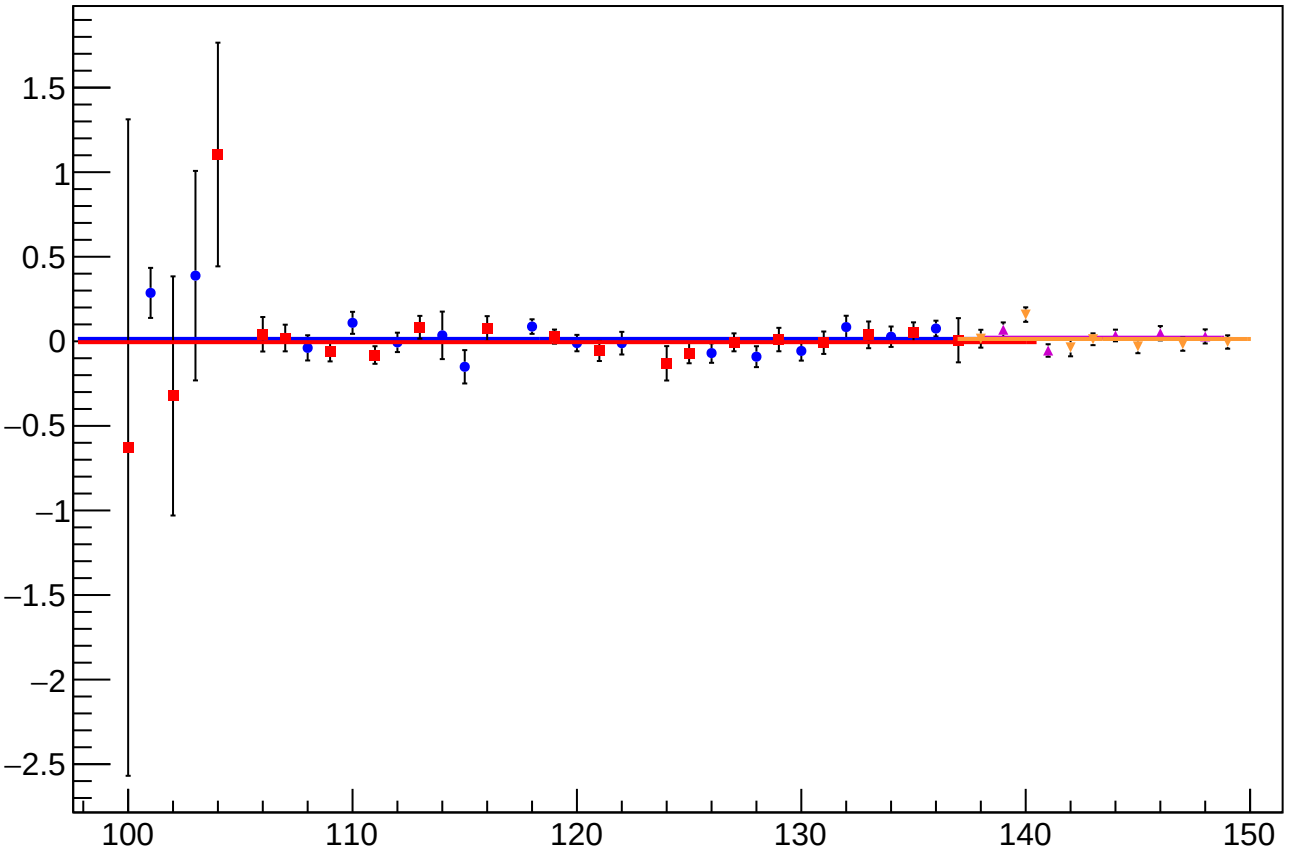
Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:499666.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 3061014.8/22

All: 0.000+/-0.000 χ^2/NDF: 6447401.5/46

- 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: 0.014+/-0.016 χ^2/NDF:14.2/6

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

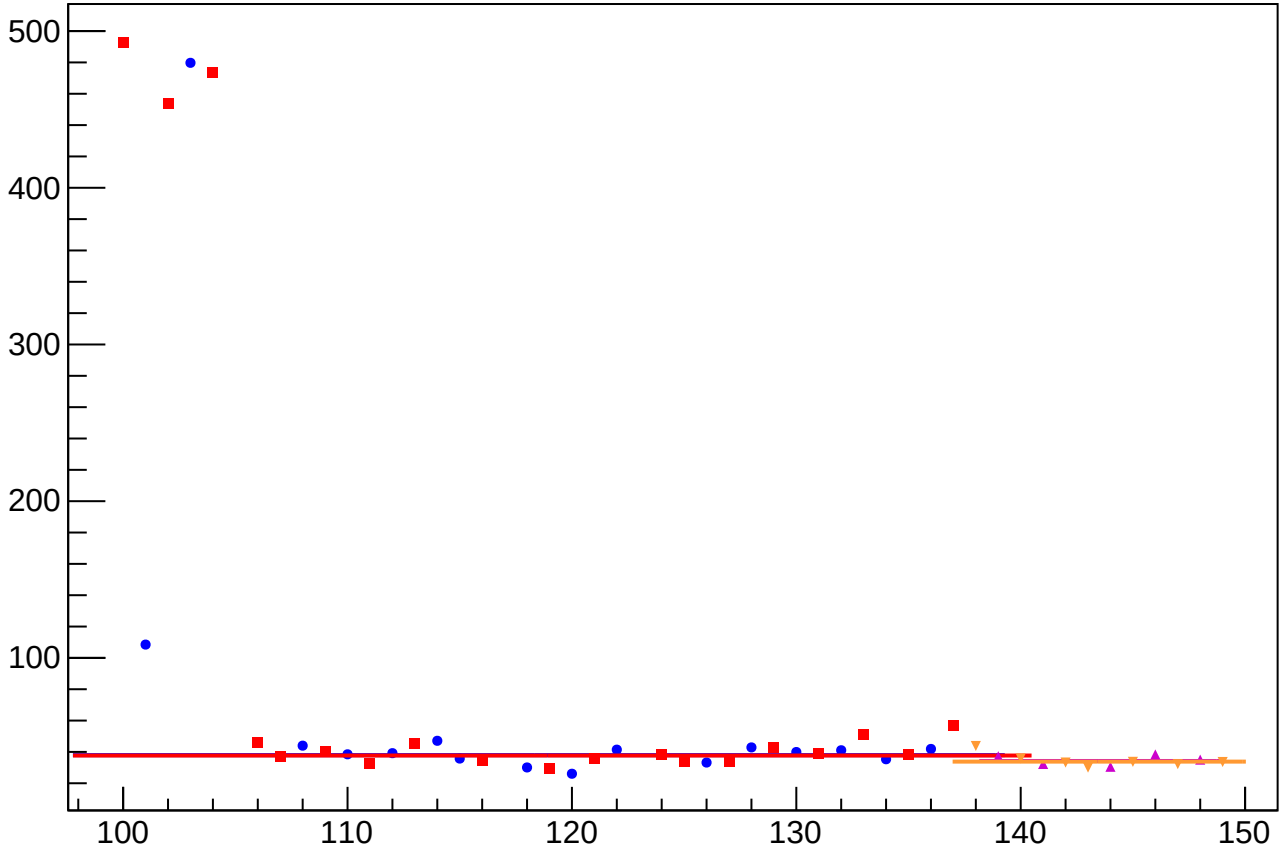
Left In: 0.022+/-0.018 χ^2/NDF:5.9/4

+ sign 0.014+/-0.011 χ^2/NDF: 36.2/22

All: 0.011+/-0.008 χ^2/NDF: 58.5/46

- 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: 33.812+/-0.011 χ^2/NDF:103190.9/6

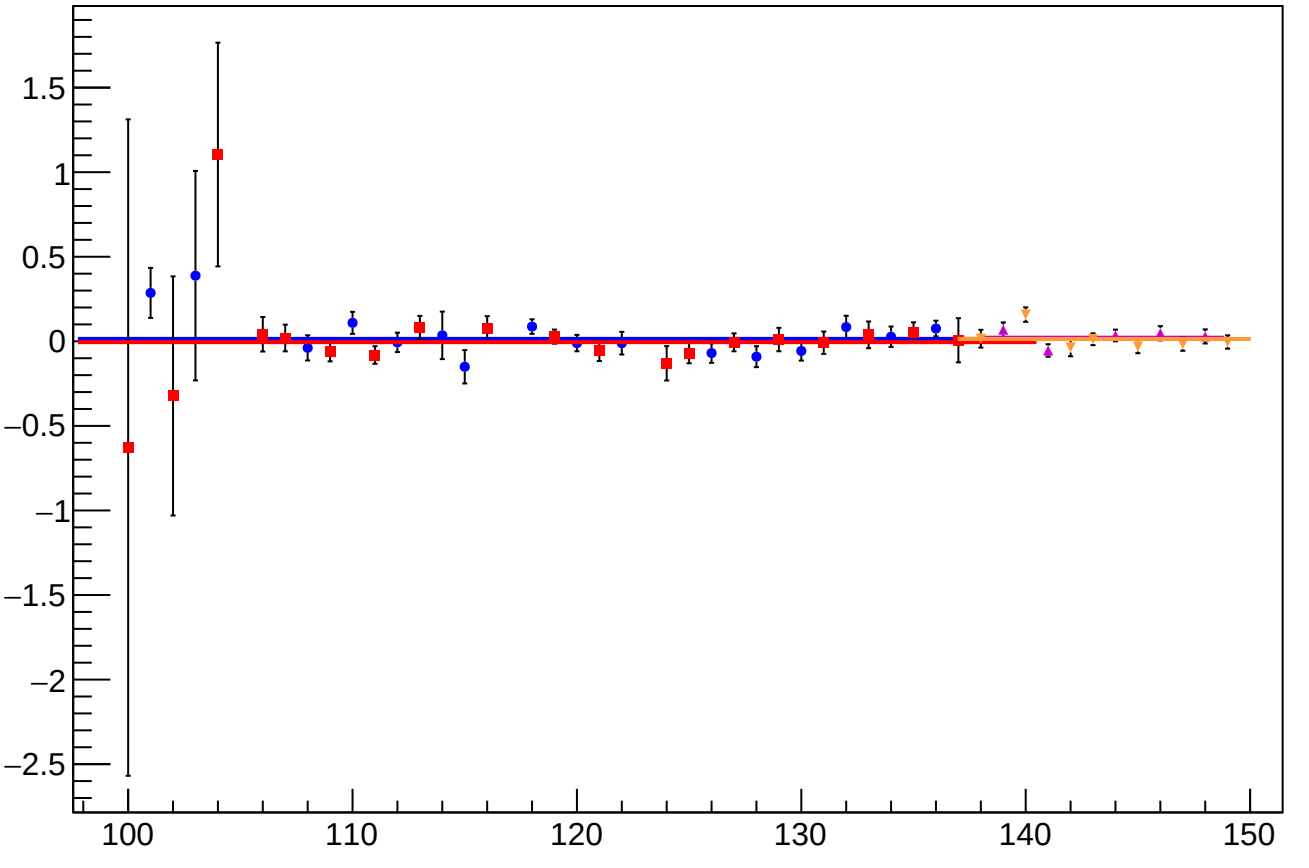
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.208+/-0.012 χ^2/NDF:58256.2/4

+ sign 35.861+/-0.008 χ^2/NDF: 1910612.4/22

All: 35.979+/-0.006 χ^2/NDF: 3957166.2/46

- 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: 0.014+/-0.016 χ^2/NDF:14.2/6

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

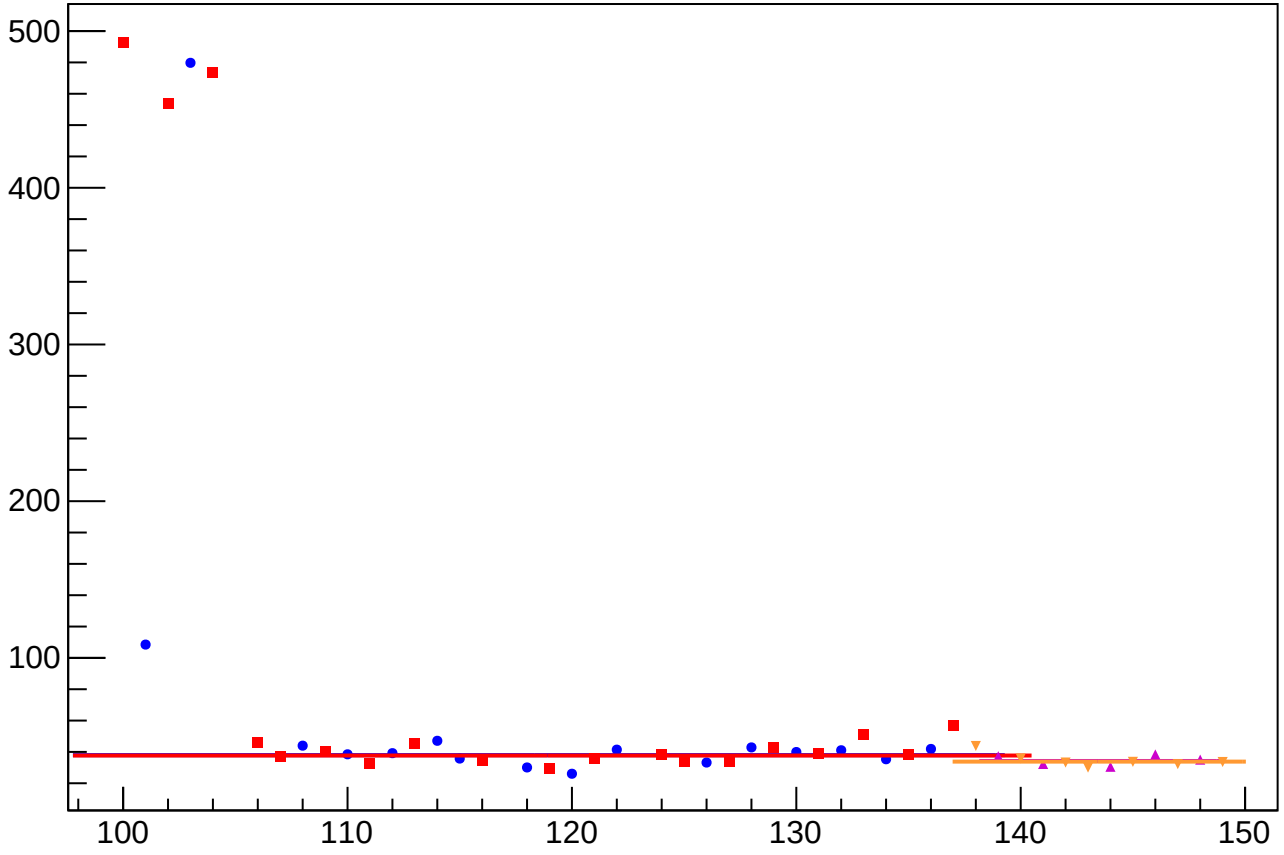
Left In: 0.022+/-0.018 χ^2/NDF:5.9/4

+ sign 0.014+/-0.011 χ^2/NDF: 36.2/22

All: 0.011+/-0.008 χ^2/NDF: 58.5/46

- 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: 33.812+/-0.011 χ^2/NDF:103190.9/6

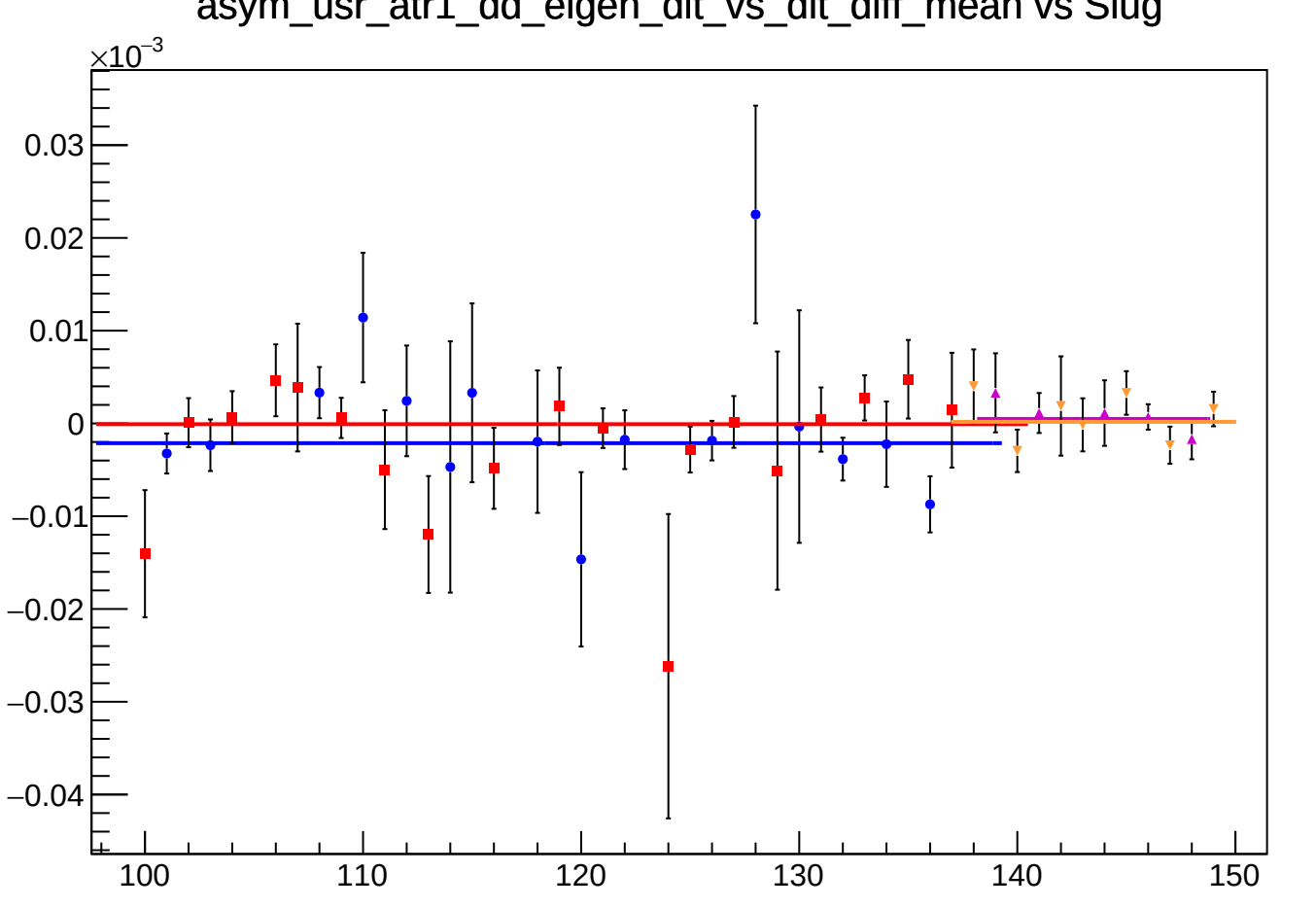
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.208+/-0.012 χ^2/NDF:58256.2/4

+ sign 35.861+/-0.008 χ^2/NDF: 1910612.4/22

All: 35.979+/-0.006 χ^2/NDF: 3957166.2/46

- 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:6.8/6

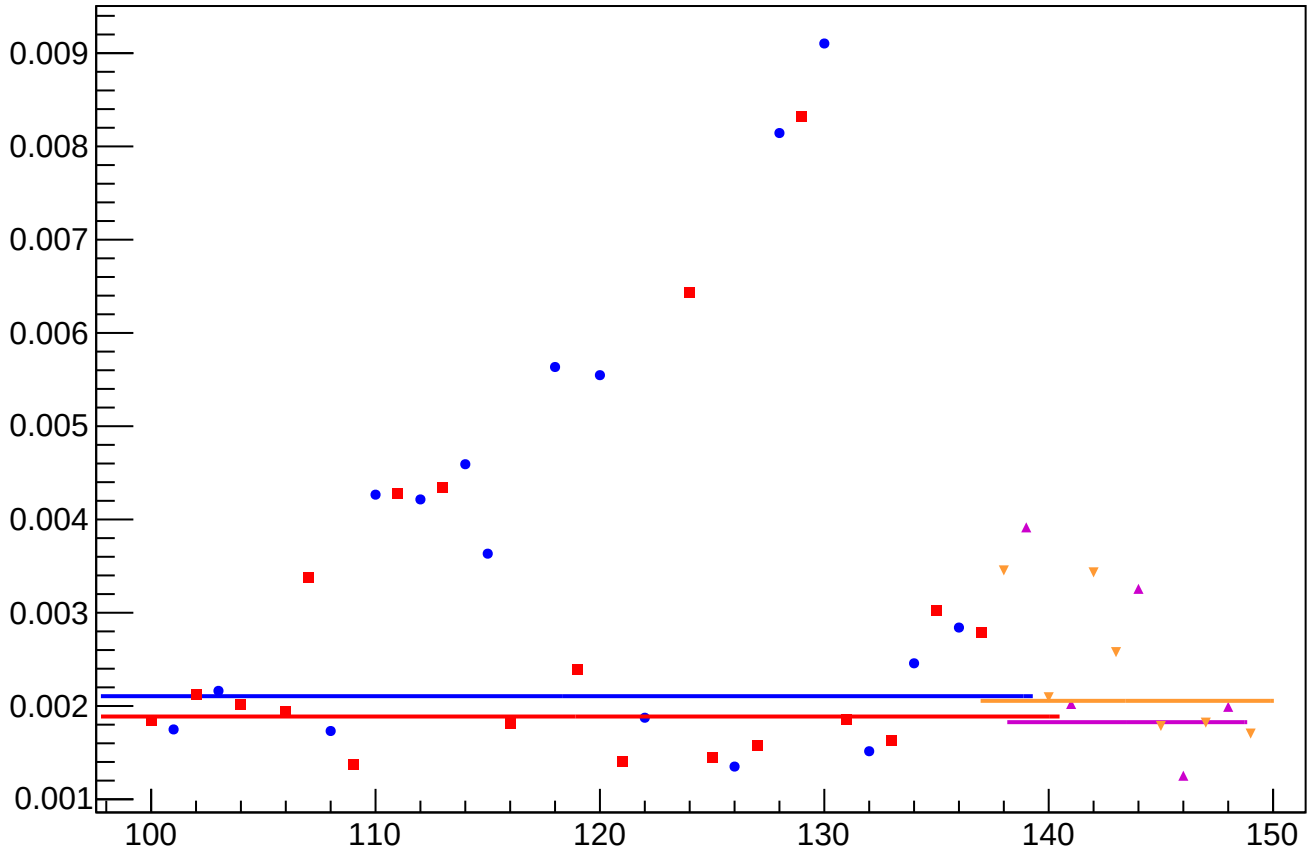
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 30.3/22

All: -0.000+/-0.000 χ^2/NDF: 52.3/46

- 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:572530.6/6

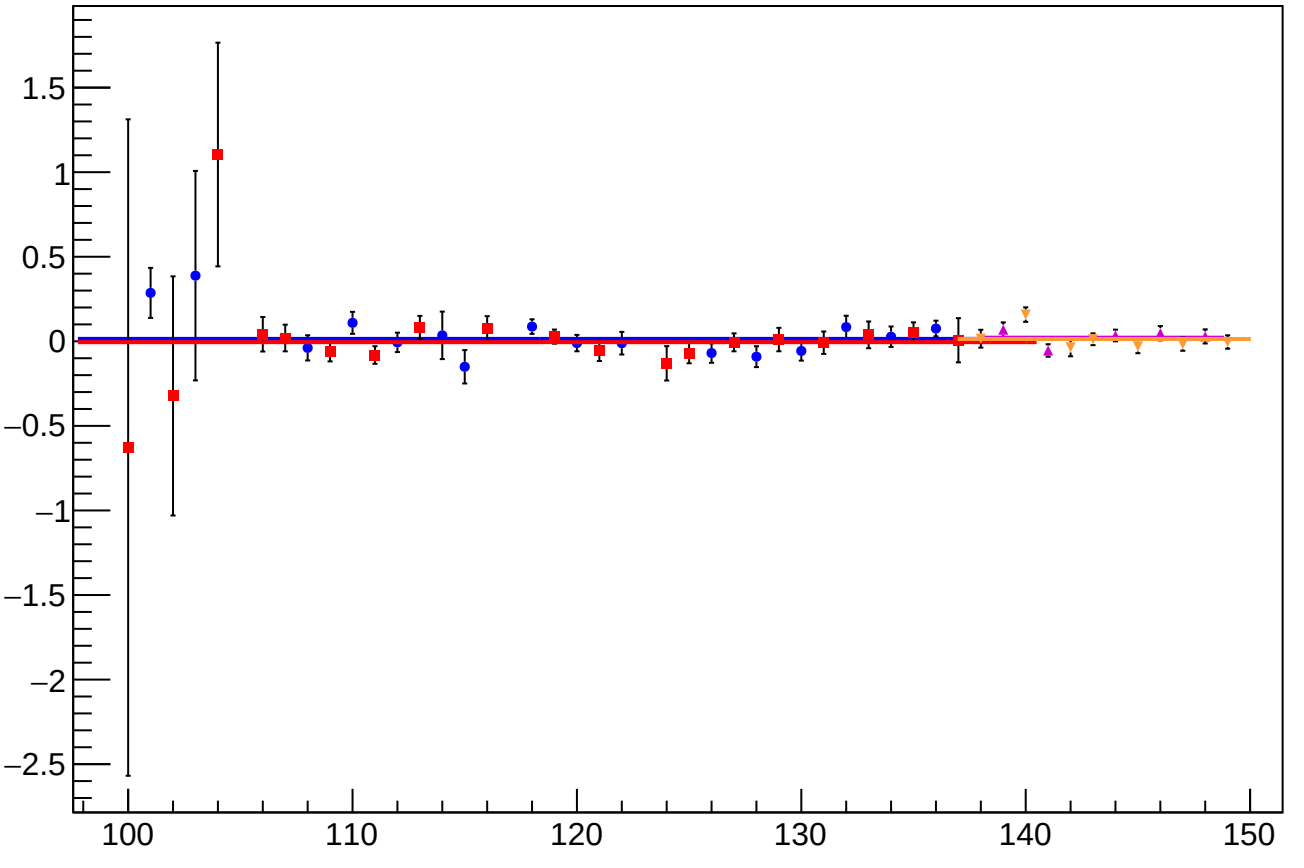
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1188268.0/4

+ sign 0.002+/-0.000 χ^2/NDF: 3593048.9/22

All: 0.002+/-0.000 χ^2/NDF: 6799152.1/46

- 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: 0.014+/-0.016 χ^2/NDF:14.2/6

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

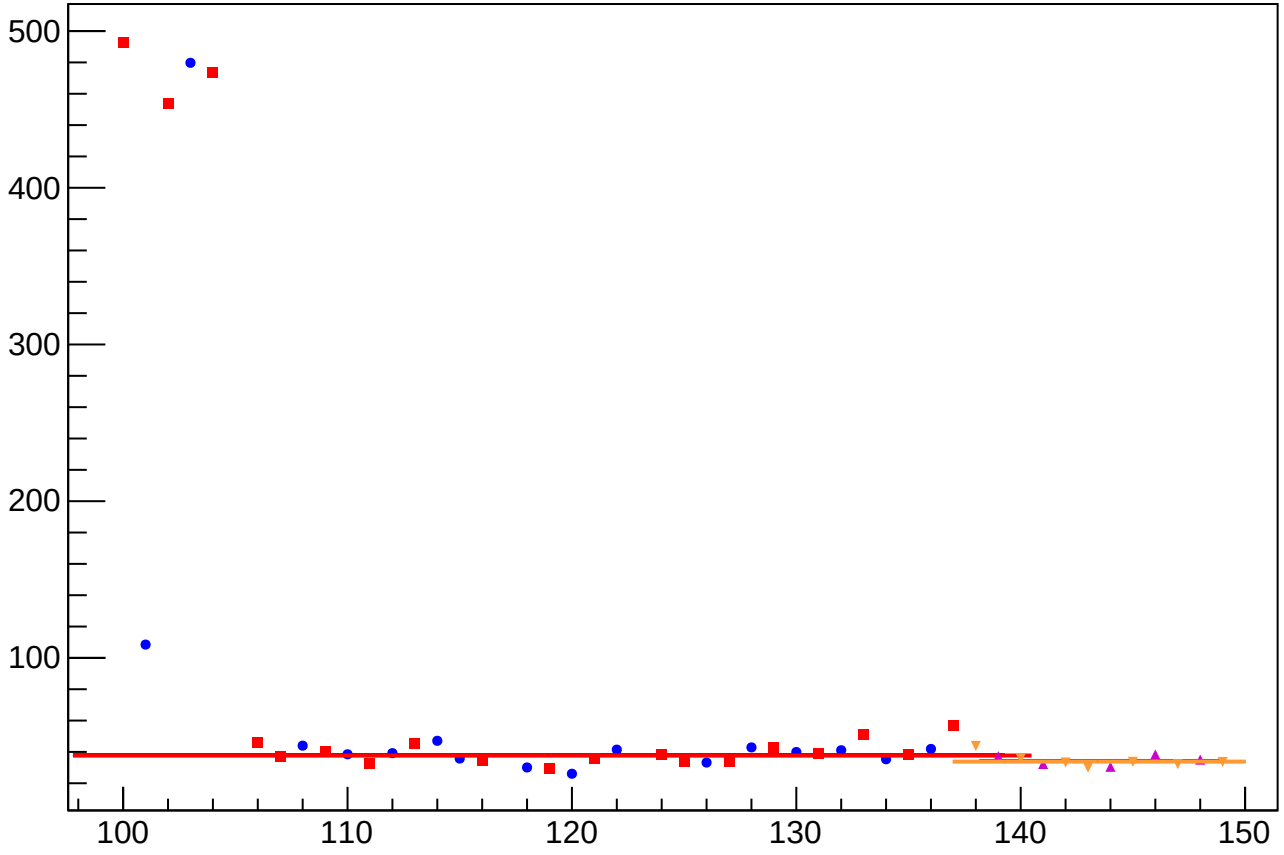
Left In: 0.022+/-0.018 χ^2/NDF:5.9/4

+ sign 0.014+/-0.011 χ^2/NDF: 36.2/22

All: 0.011+/-0.008 χ^2/NDF: 58.5/46

- 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: 33.811+/-0.011 χ^2/NDF:103220.8/6

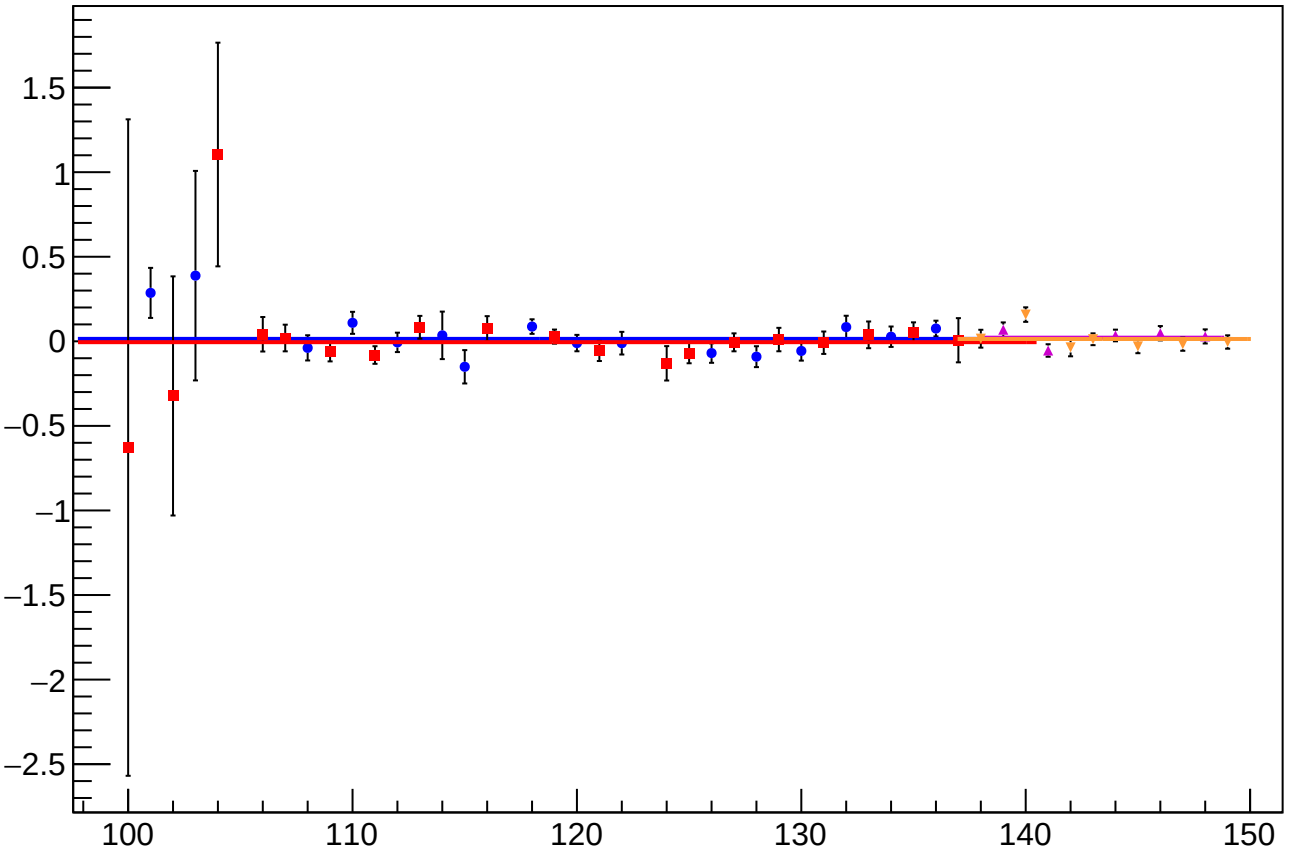
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.207+/-0.012 χ^2/NDF:58258.5/4

+ sign 35.860+/-0.008 χ^2/NDF: 1910651.4/22

All: 35.978+/-0.006 χ^2/NDF: 3957267.0/46

- 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: 0.014+/-0.016 χ^2/NDF:14.2/6

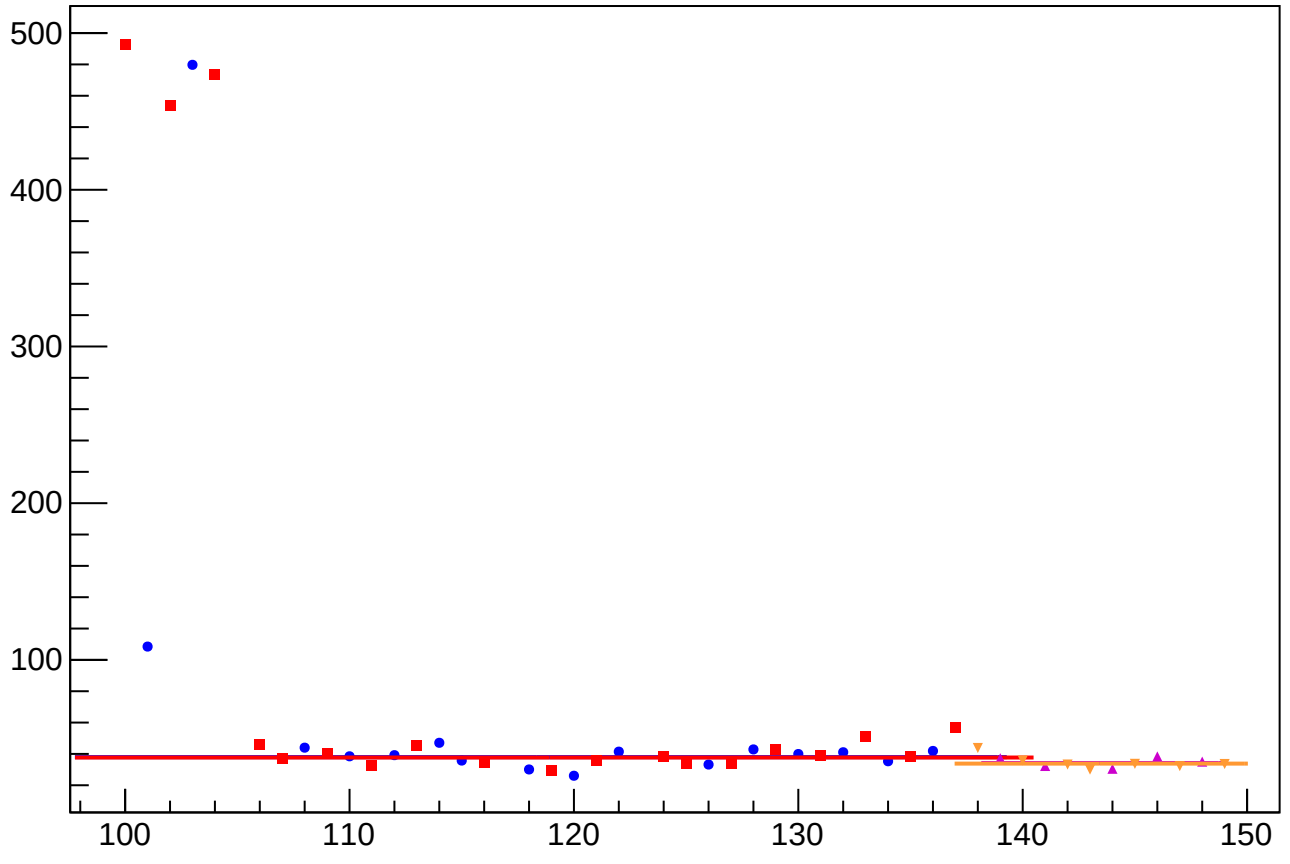
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.022+/-0.018 χ^2/NDF:5.9/4

+ sign 0.014+/-0.011 χ^2/NDF: 36.2/22

All: 0.011+/-0.008 χ^2/NDF: 58.5/46

- 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: 33.811+/-0.011 χ^2/NDF:103220.8/6

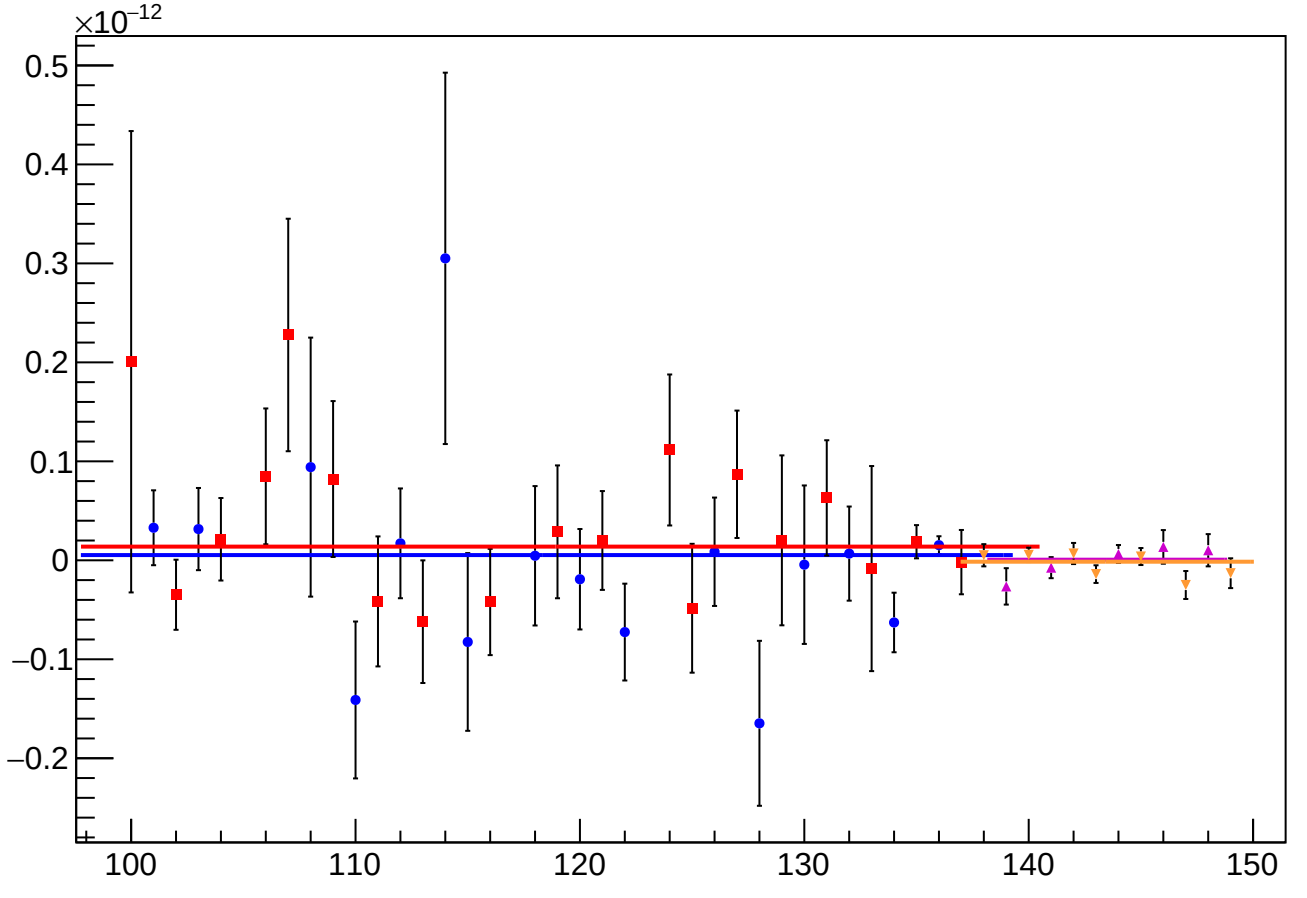
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.207+/-0.012 χ^2/NDF:58258.5/4

\+ sign 35.860+/-0.008 χ^2/NDF: 1910651.4/22

All: 35.978+/-0.006 χ^2/NDF: 3957267.0/46

\- 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:7.6/6

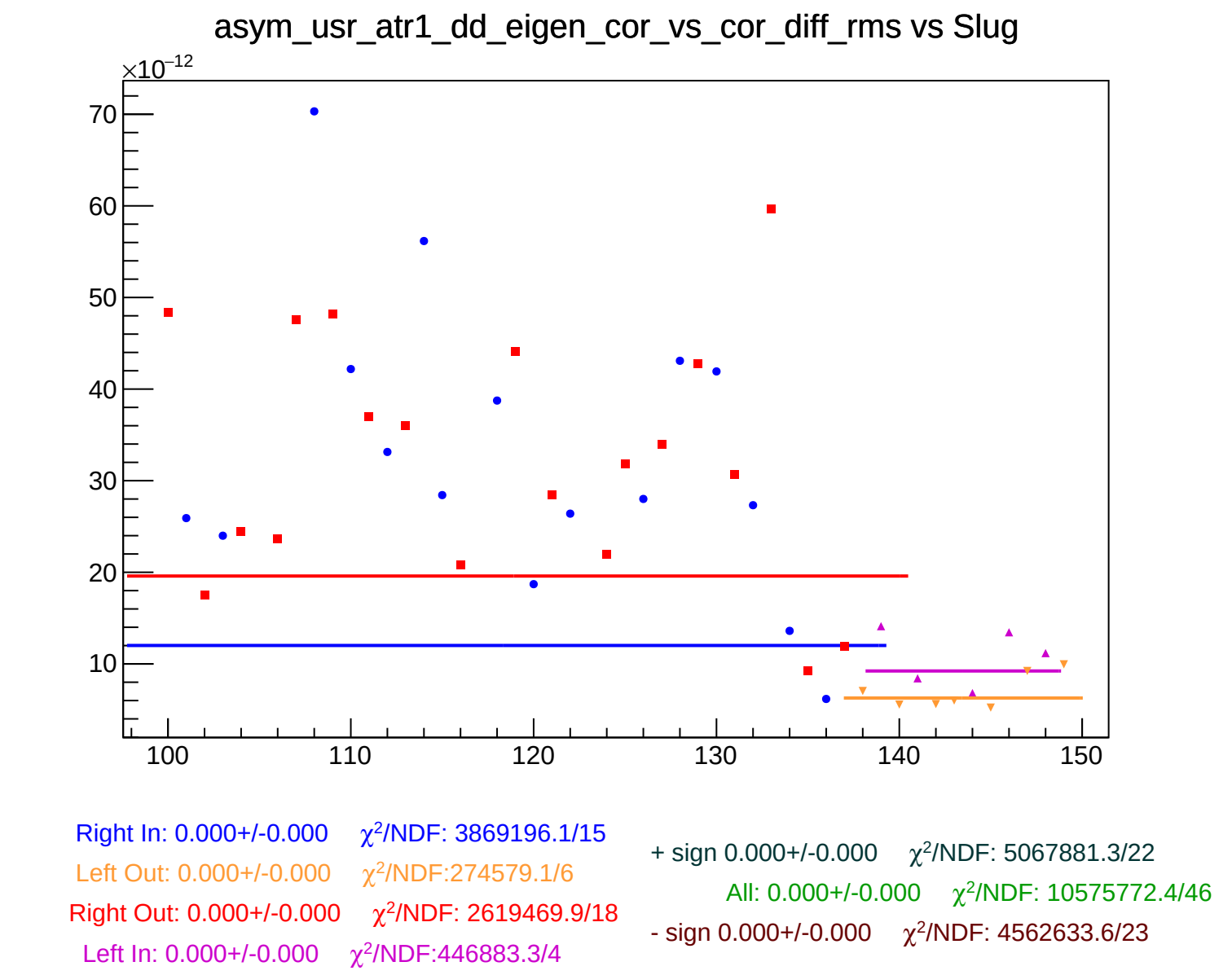
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/4

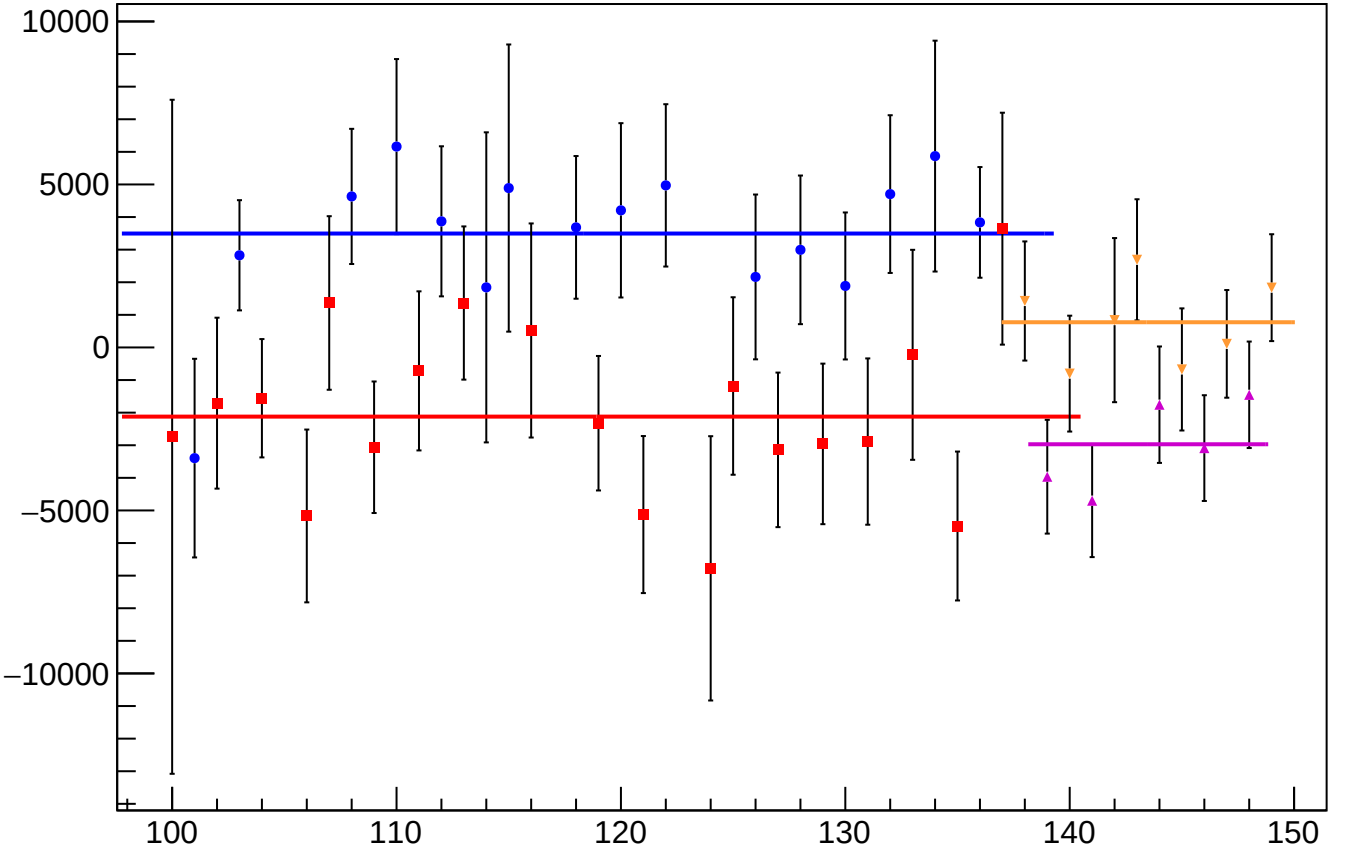
+ sign -0.000+/-0.000 χ^2/NDF: 29.9/22

All: 0.000+/-0.000 χ^2/NDF: 51.5/46

- 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:274579.1/6
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: 5067881.3/22
All: 0.000+/-0.000 χ²/NDF: 10575772.4/46
- 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: 773.362+/-692.140 χ^2/NDF:3.2/6

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

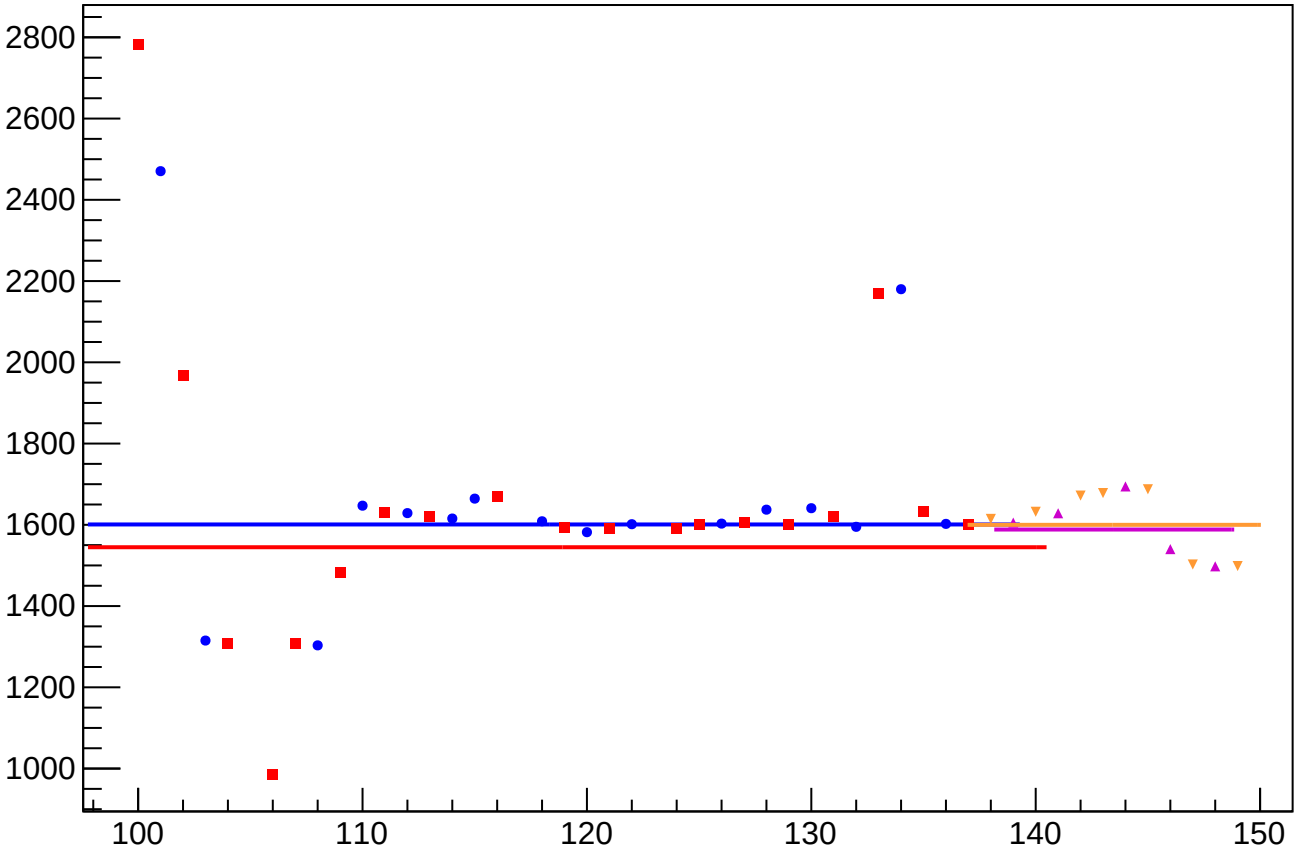
Left In: -2969.744+/-760.103 χ^2/NDF:2.7/4

+ sign 2324.290+/-453.877 χ^2/NDF: 20.8/22

All: -0.220+/-324.765 χ^2/NDF: 93.0/46

- 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: 1599.939+/-0.489 χ^2/NDF:24979.5/6

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

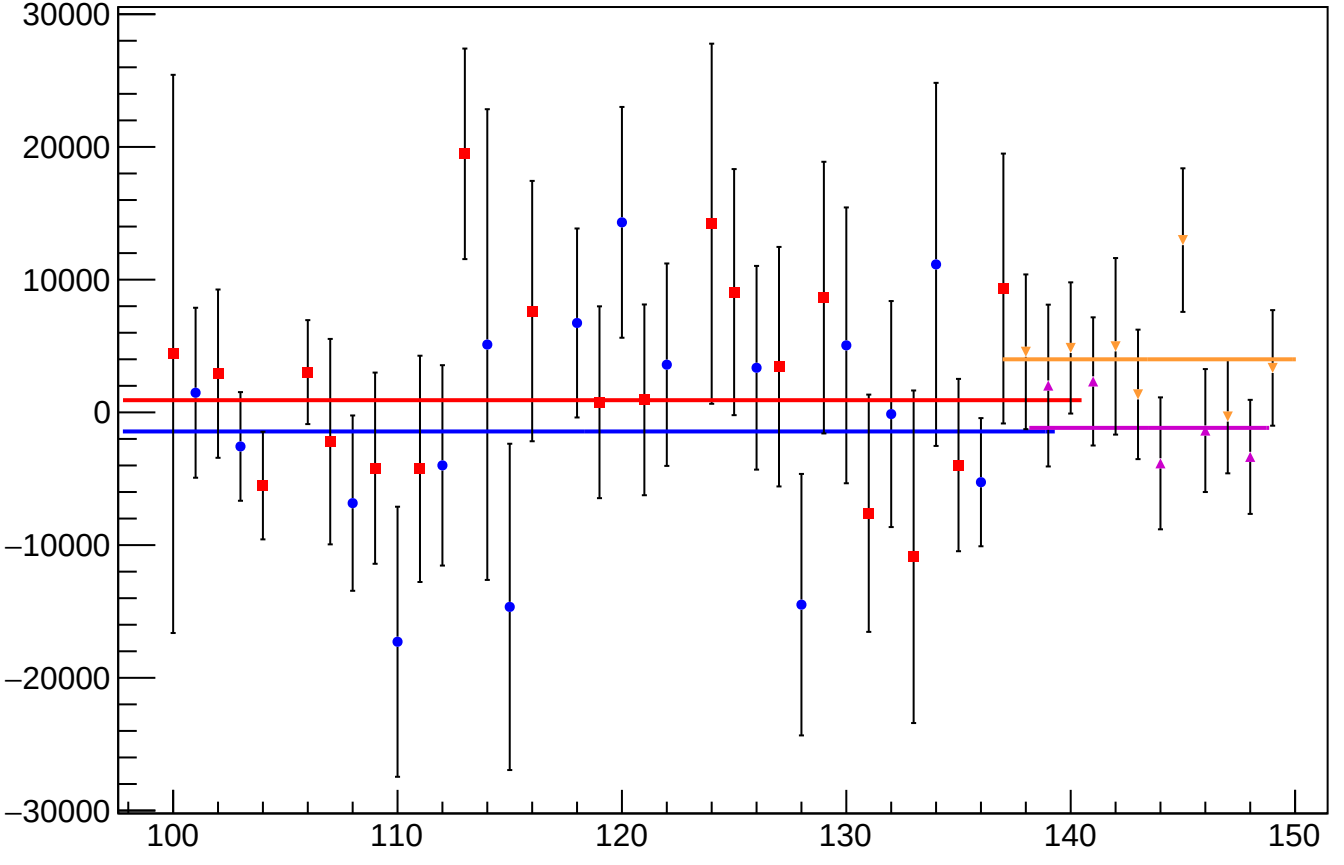
Left In: 1588.372+/-0.537 χ^2/NDF:16242.8/4

+ sign 1600.475+/-0.321 χ^2/NDF: 342395.6/22

All: 1580.885+/-0.228 χ^2/NDF: 746481.9/46

- 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: 3998.709+/-1901.596 χ^2/NDF:4.1/6

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

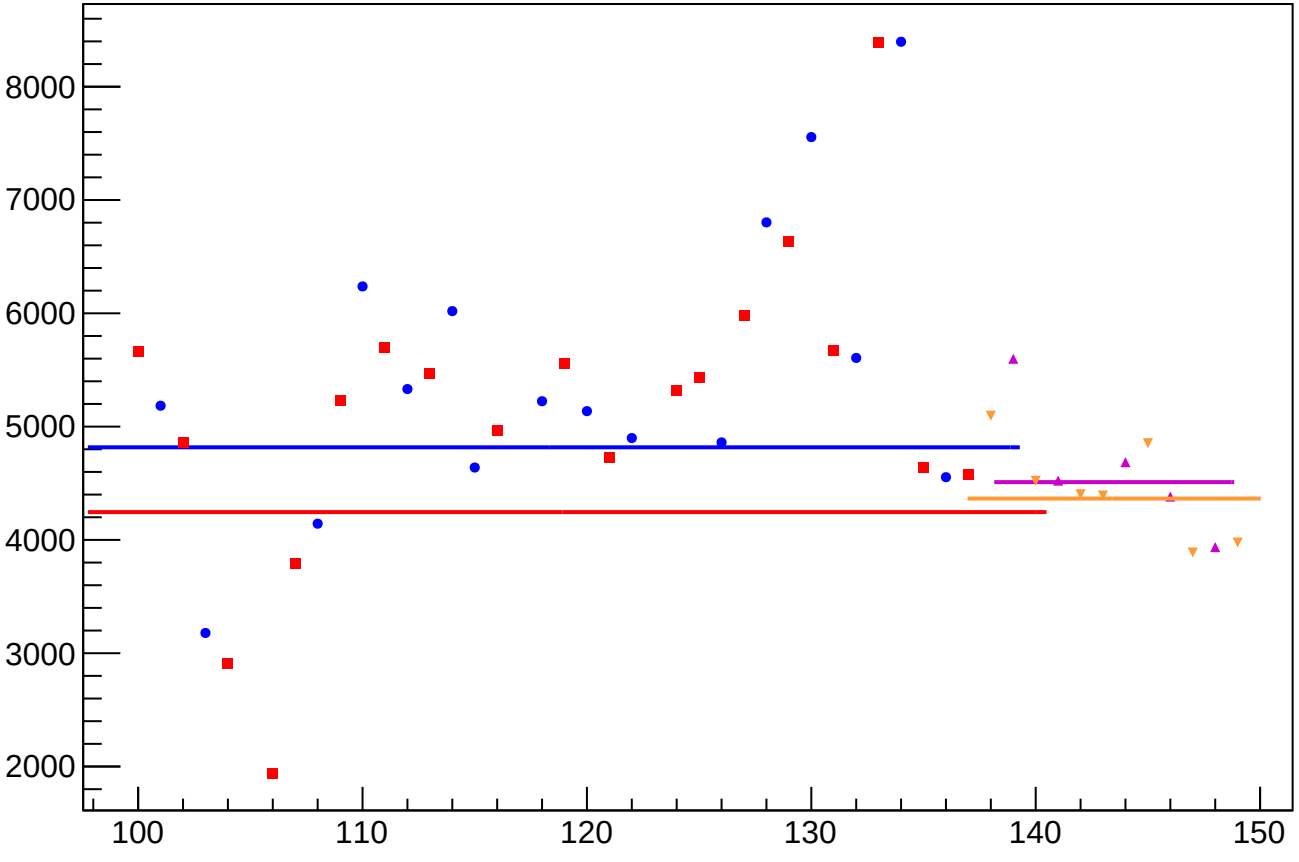
Left In: -1167.368+/-2176.822 χ^2/NDF:1.3/4

\+ sign 1203.534+/-1325.382 χ^2/NDF: 22.2/22

All: 674.522+/-936.923 χ^2/NDF: 39.8/46

\- 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: 4365.126+/-1.345 χ^2/NDF:90600.8/6

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

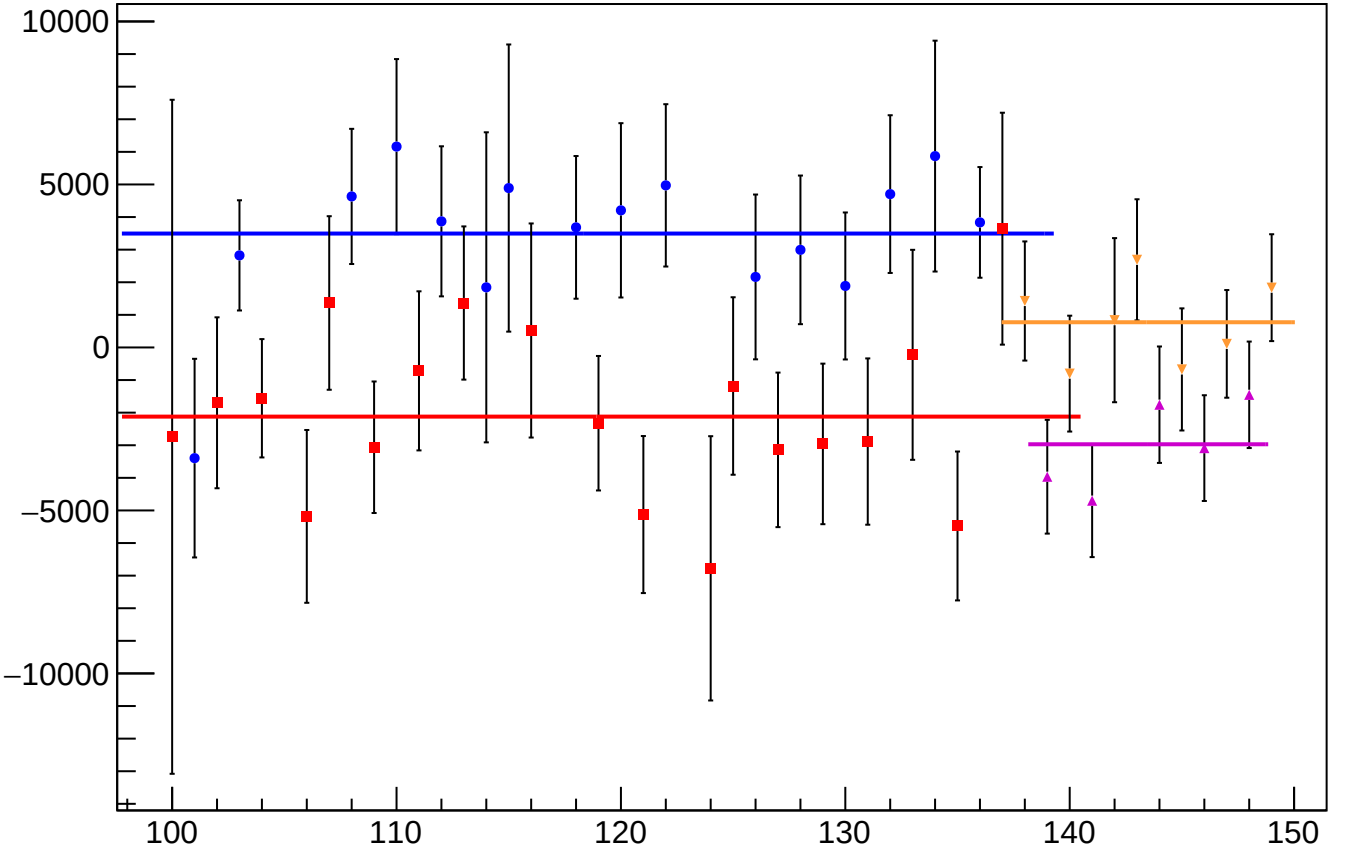
Left In: 4510.181+/-1.539 χ^2/NDF:103515.2/4

+ sign 4597.662+/-0.937 χ^2/NDF: 944192.9/22

All: 4470.525+/-0.663 χ^2/NDF: 2786267.8/46

- 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: 773.312+/-692.140 χ^2/NDF:3.2/6

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

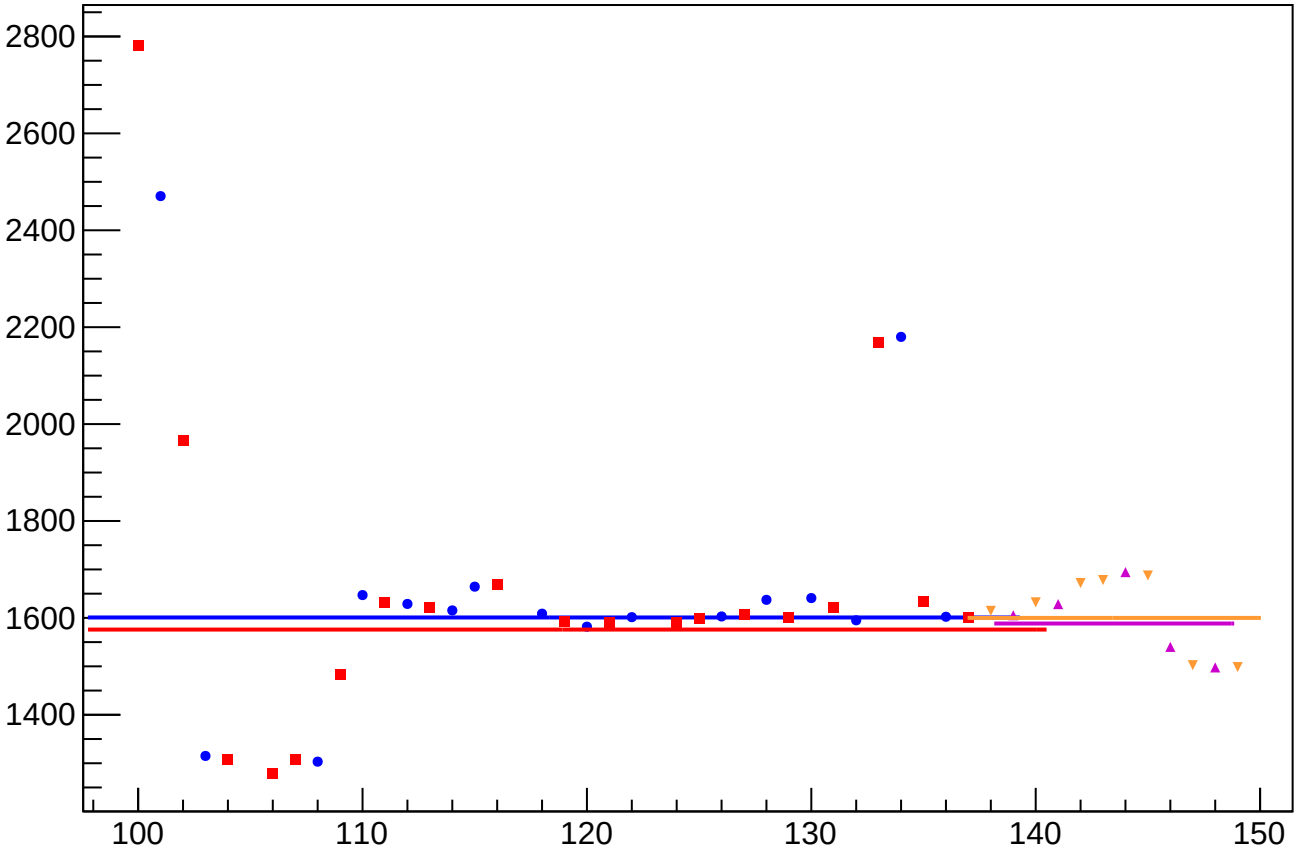
Left In: -2970.026+/-760.103 χ^2/NDF:2.7/4

+ sign 2324.078+/-453.877 χ^2/NDF: 20.8/22

All: -0.371+/-324.765 χ^2/NDF: 93.0/46

- 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: 1599.939+/-0.489 χ^2/NDF:24979.5/6

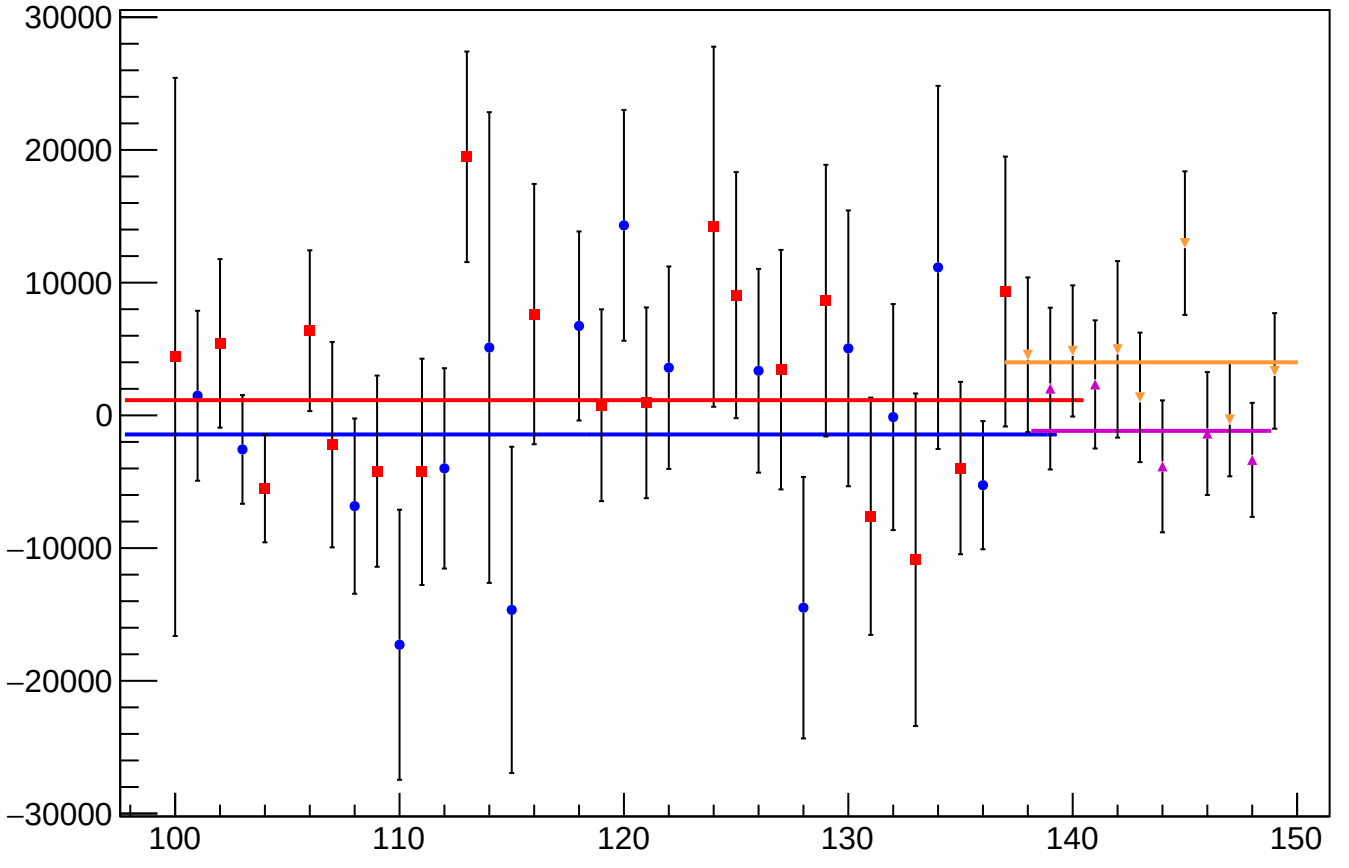
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1588.372+/-0.537 χ^2/NDF:16242.8/4

+ sign 1600.475+/-0.321 χ^2/NDF: 342394.7/22

All: 1590.723+/-0.229 χ^2/NDF: 604194.6/46

- 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: 3998.693+/-1901.589 χ^2/NDF:4.1/6

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

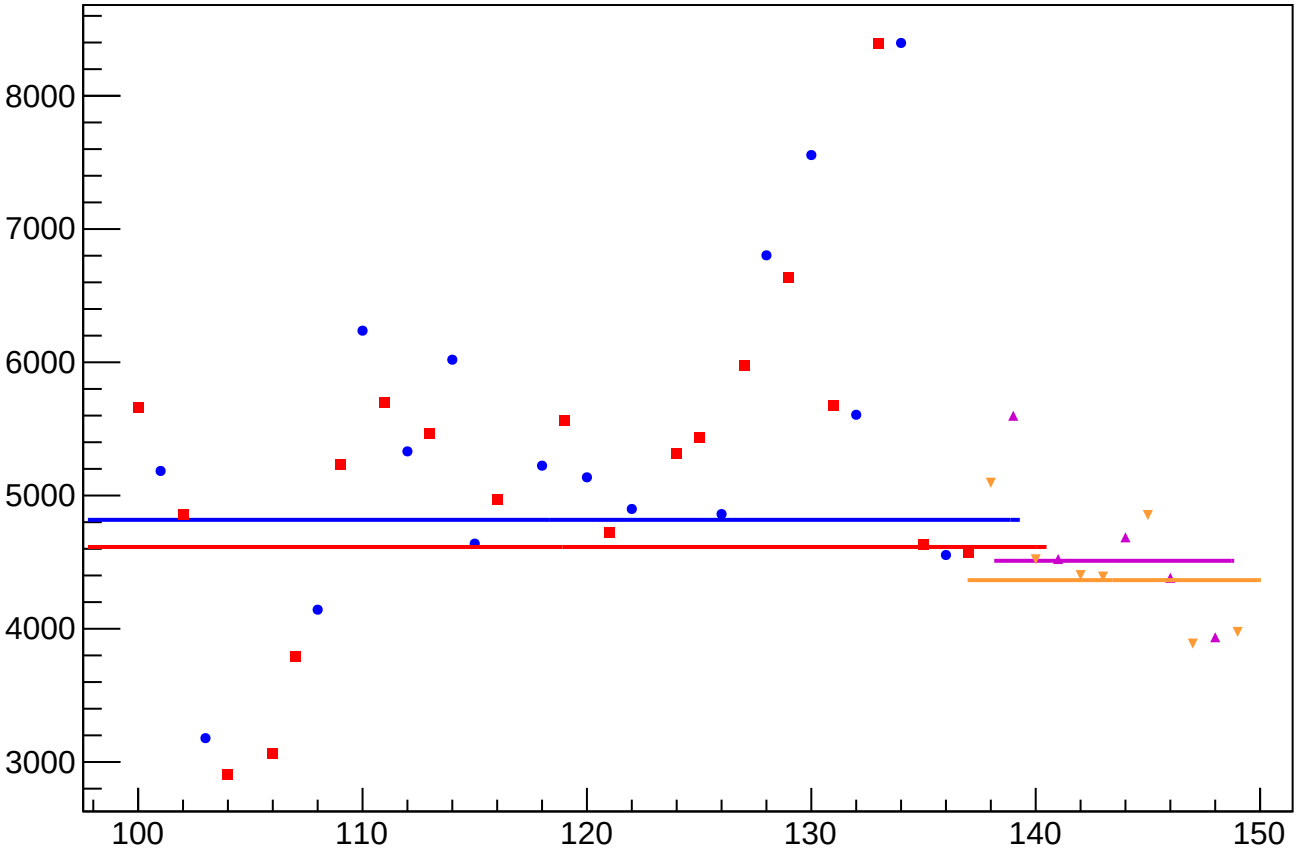
Left In: -1167.493+/-2176.822 χ^2/NDF:1.3/4

+ sign 1203.466+/-1325.393 χ^2/NDF: 22.2/22

All: 732.382+/-952.961 χ^2/NDF: 40.8/46

- 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: 4365.110+/-1.345 χ^2/NDF:90601.6/6

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

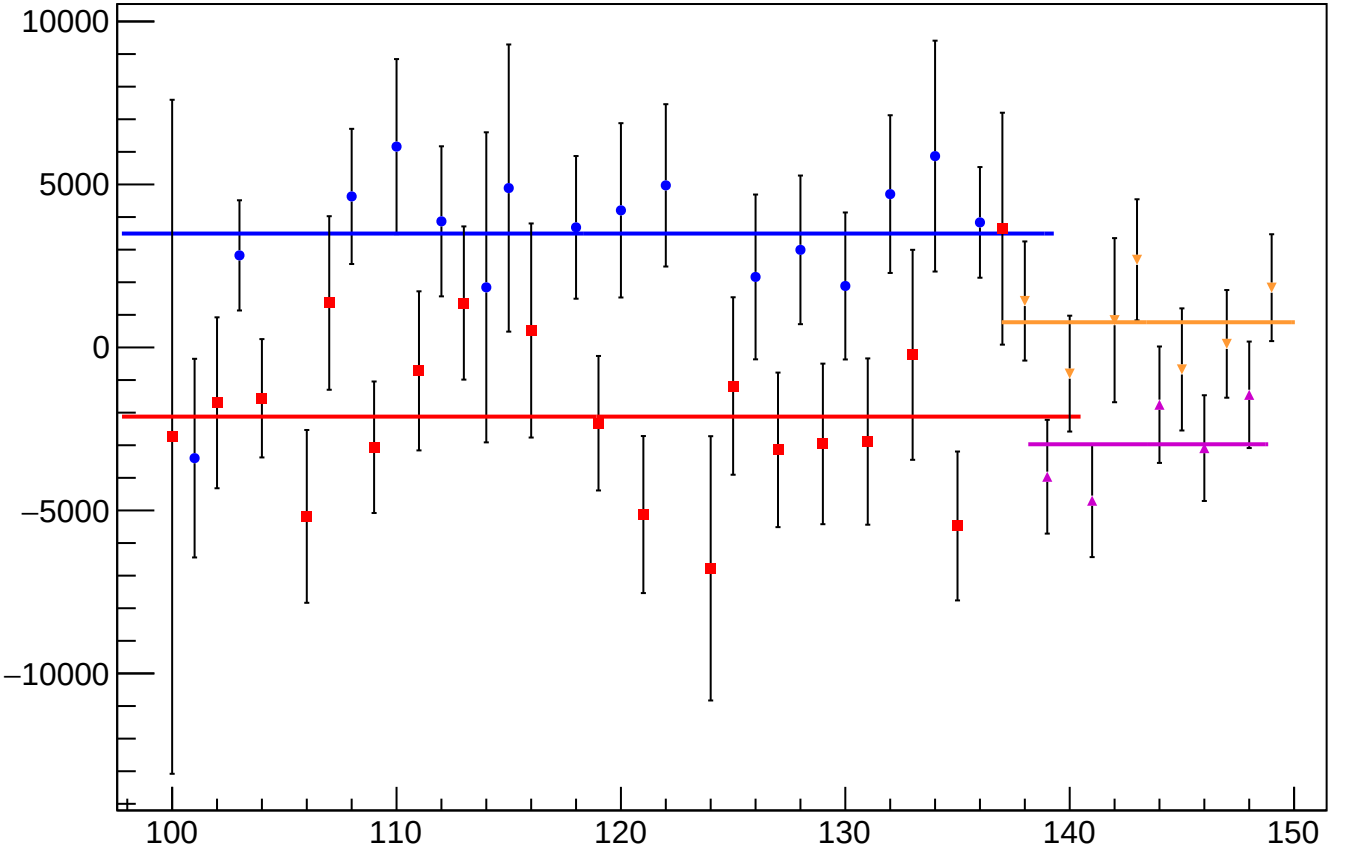
Left In: 4510.181+/-1.539 χ^2/NDF:103514.8/4

+ sign 4597.719+/-0.937 χ^2/NDF: 944034.1/22

All: 4585.643+/-0.674 χ^2/NDF: 2028587.2/46

- 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: 773.312+/-692.140 χ^2/NDF:3.2/6

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

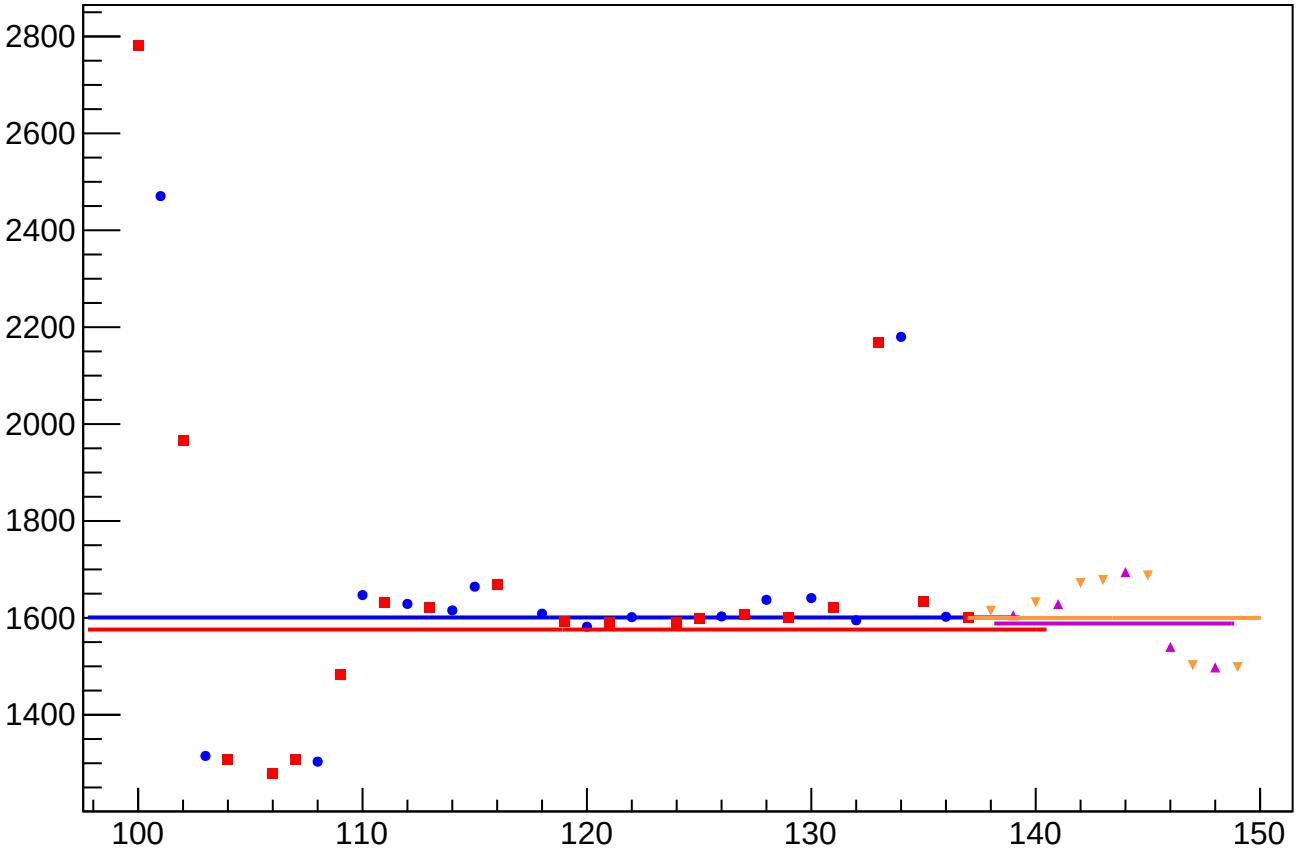
Left In: -2970.026+/-760.103 χ^2/NDF:2.7/4

+ sign 2324.078+/-453.877 χ^2/NDF: 20.8/22

All: -0.371+/-324.765 χ^2/NDF: 93.0/46

- 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: 1599.939+/-0.489 χ^2/NDF:24979.5/6

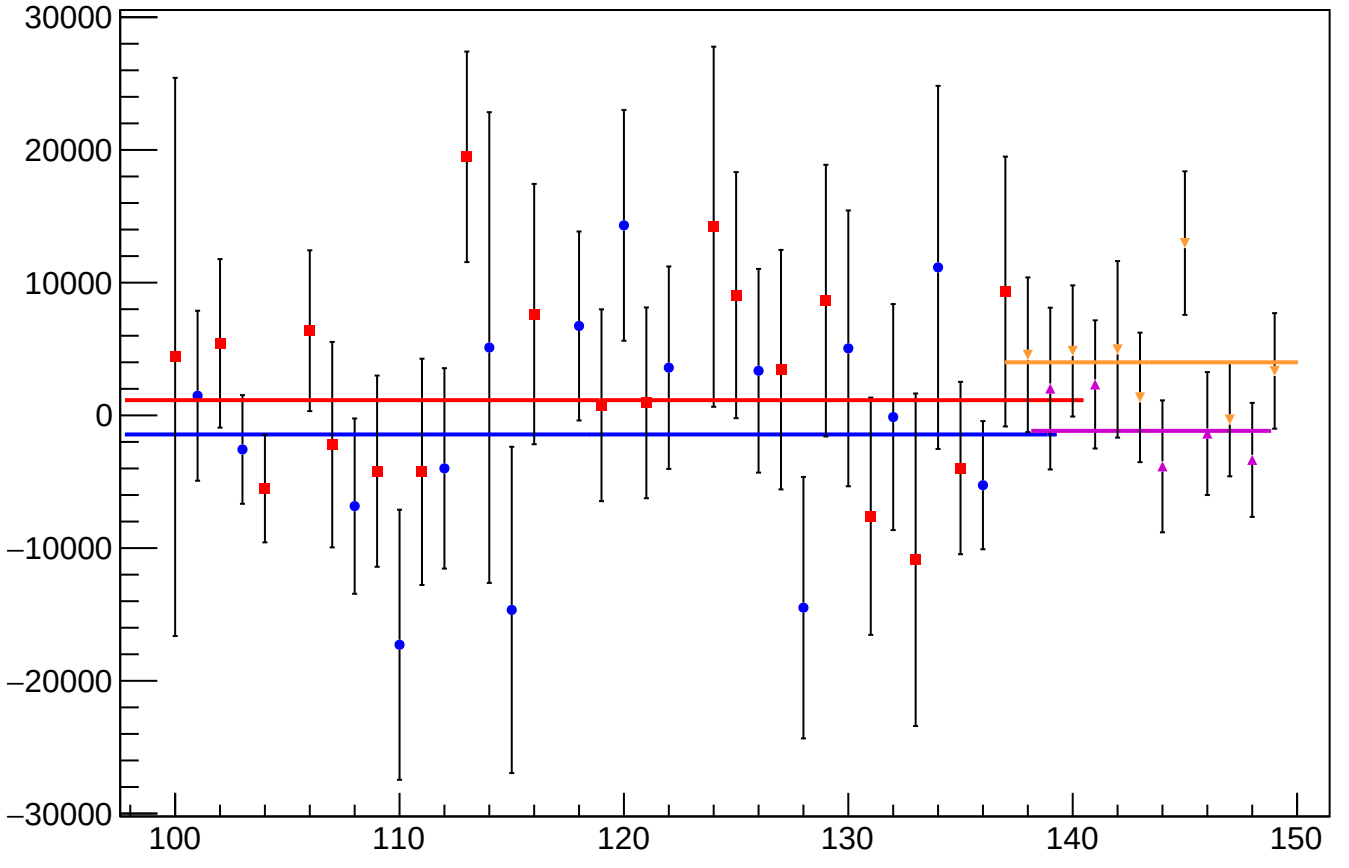
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1588.372+/-0.537 χ^2/NDF:16242.8/4

+ sign 1600.475+/-0.321 χ^2/NDF: 342394.7/22

All: 1590.723+/-0.229 χ^2/NDF: 604194.6/46

- 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: 3998.693+/-1901.589 χ^2/NDF:4.1/6

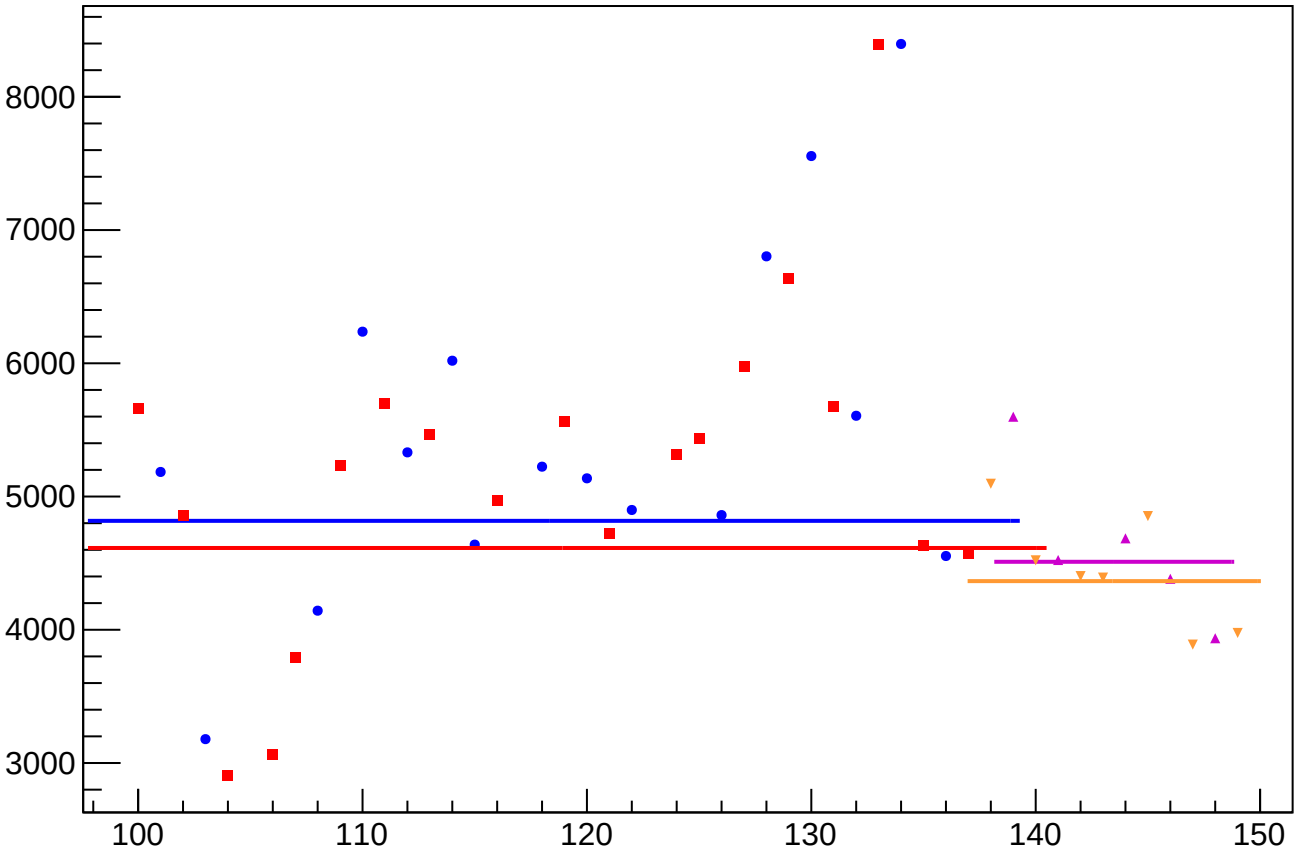
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -1167.493+/-2176.822 χ^2/NDF:1.3/4

+ sign 1203.466+/-1325.393 χ^2/NDF: 22.2/22

All: 732.382+/-952.961 χ^2/NDF: 40.8/46

- sign 228.210+/-1371.151 χ^2/NDF: 18.3/23



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4365.110+/-1.345 χ^2/NDF:90601.6/6

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

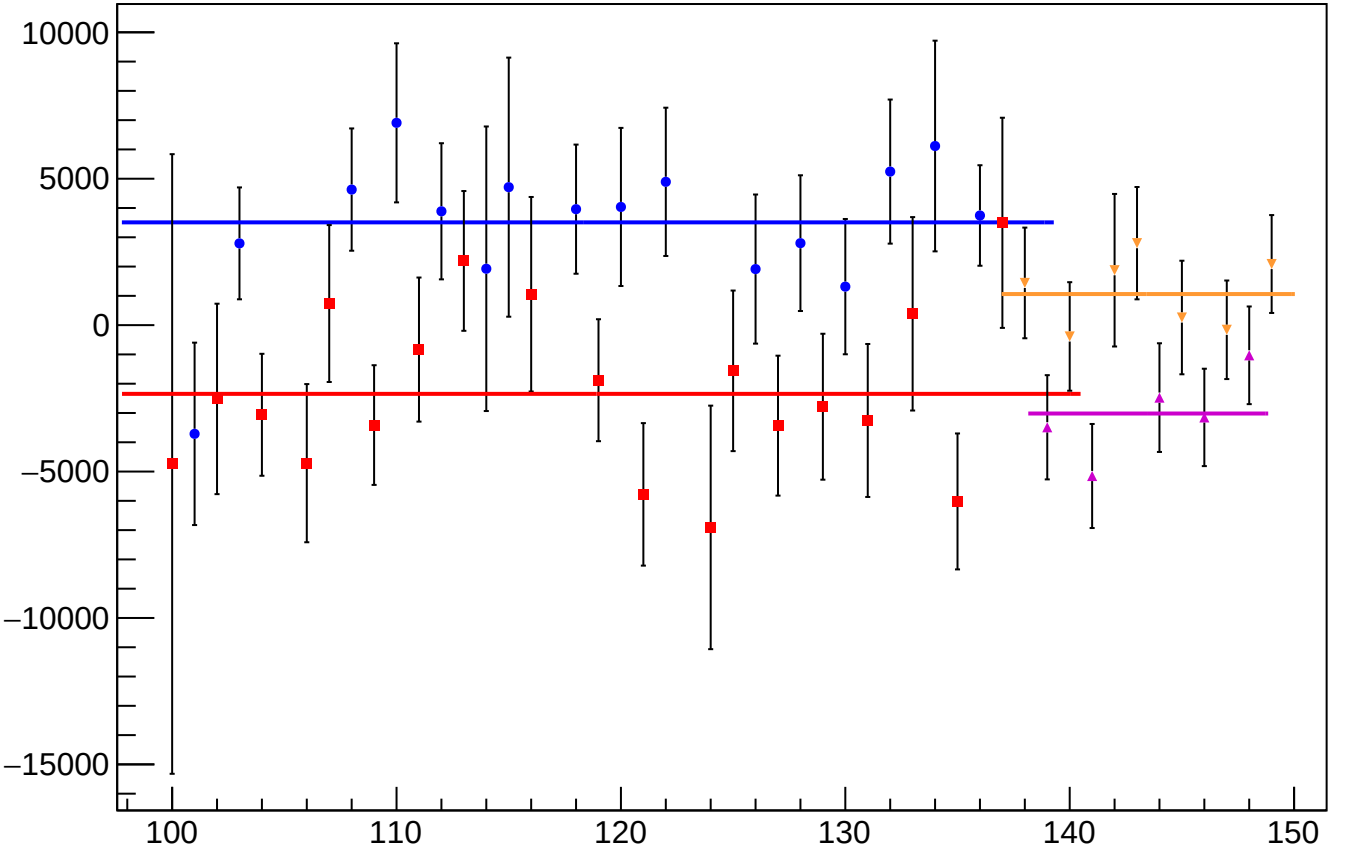
Left In: 4510.181+/-1.539 χ^2/NDF:103514.8/4

+ sign 4597.719+/-0.937 χ^2/NDF: 944034.1/22

All: 4585.643+/-0.674 χ^2/NDF: 2028587.2/46

- 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: 1061.551+/-712.929 χ^2/NDF:2.6/6

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

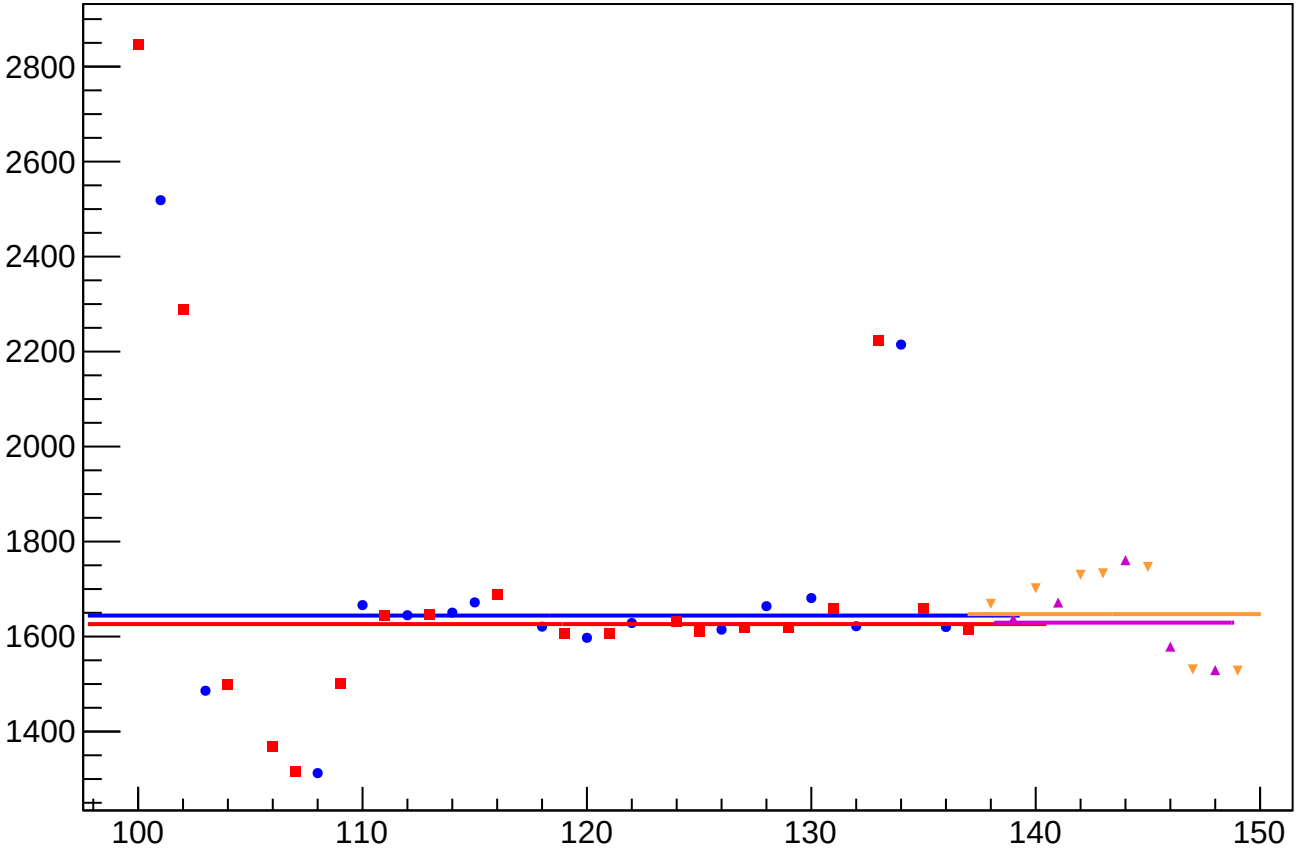
Left In: -3017.961+/-779.909 χ^2/NDF:3.0/4

+ sign 2461.723+/-466.423 χ^2/NDF: 19.8/22

All: -0.563+/-334.258 χ^2/NDF: 97.7/46

- 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: 1647.248+/-0.504 χ^2/NDF:32966.3/6

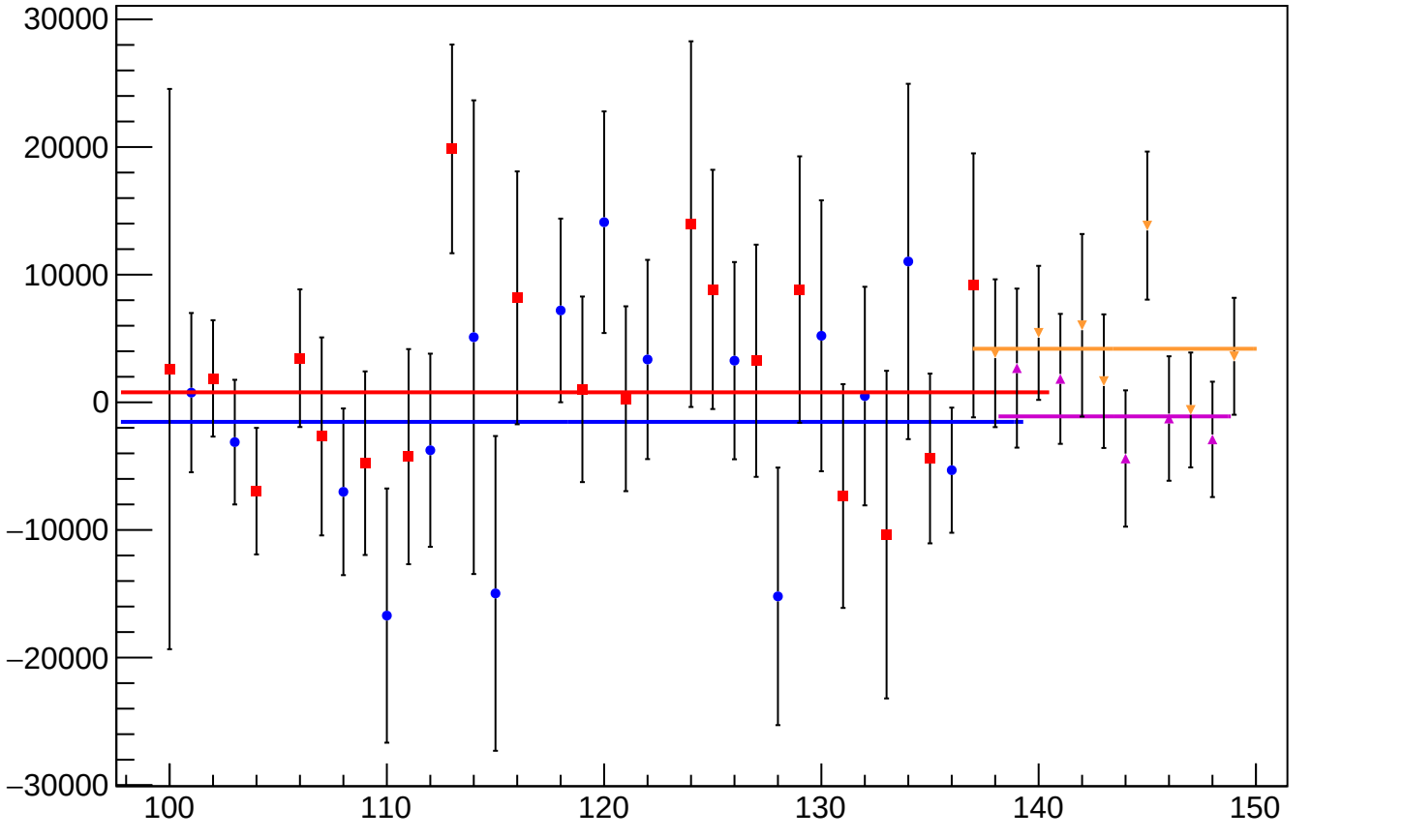
Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1629.276+/-0.551 χ^2/NDF:20251.7/4

\+ sign 1645.504+/-0.330 χ^2/NDF: 307805.1/22

All: 1636.666+/-0.236 χ^2/NDF: 567191.2/46

\- sign 1627.344+/-0.339 χ^2/NDF: 257910.6/23



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 4195.072+/-2004.381 χ^2/NDF:4.3/6

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

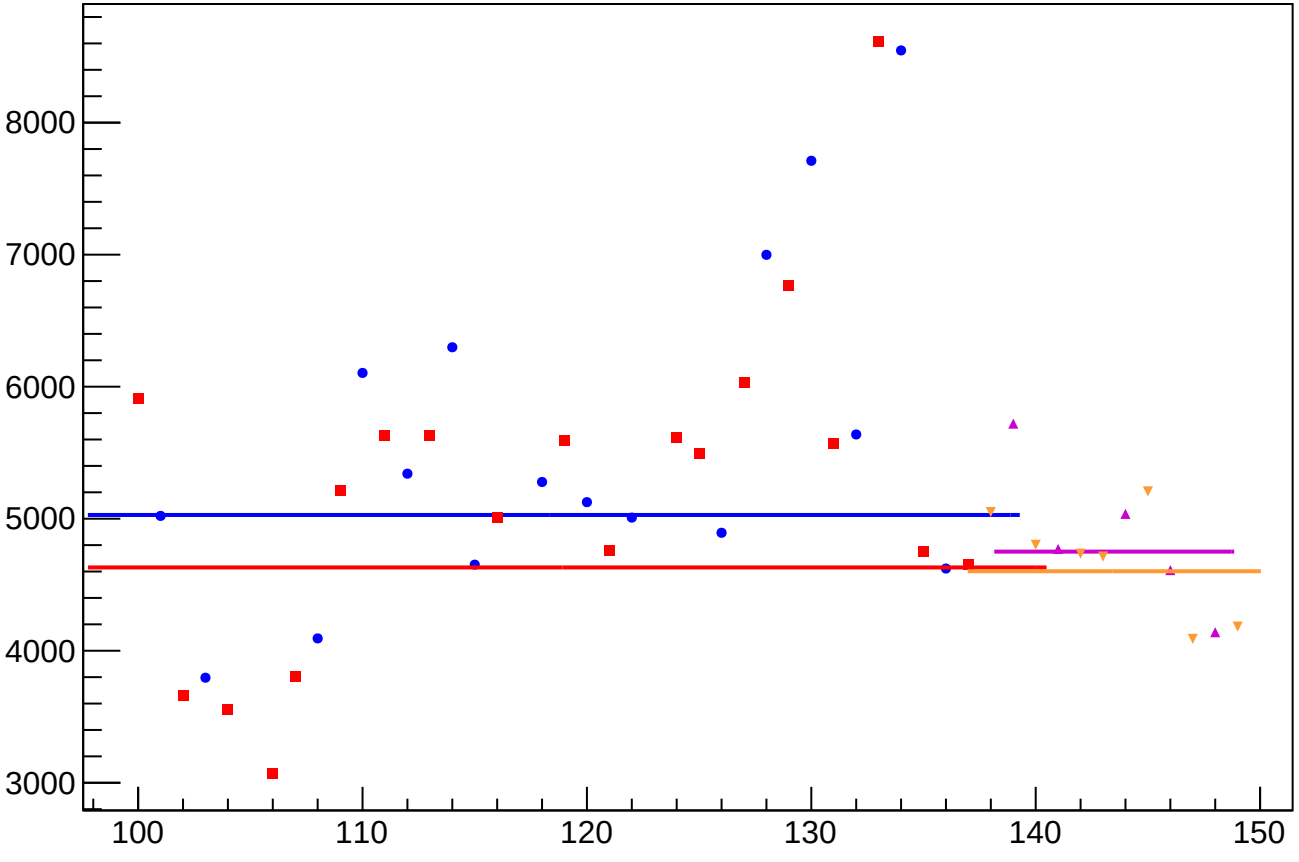
Left In: -1102.981+/-2291.584 χ^2/NDF:1.2/4

+ sign 1199.148+/-1384.176 χ^2/NDF: 22.4/22

All: 646.834+/-980.850 χ^2/NDF: 39.5/46

- 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: 4602.270+/-1.417 χ^2/NDF:80868.2/6

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

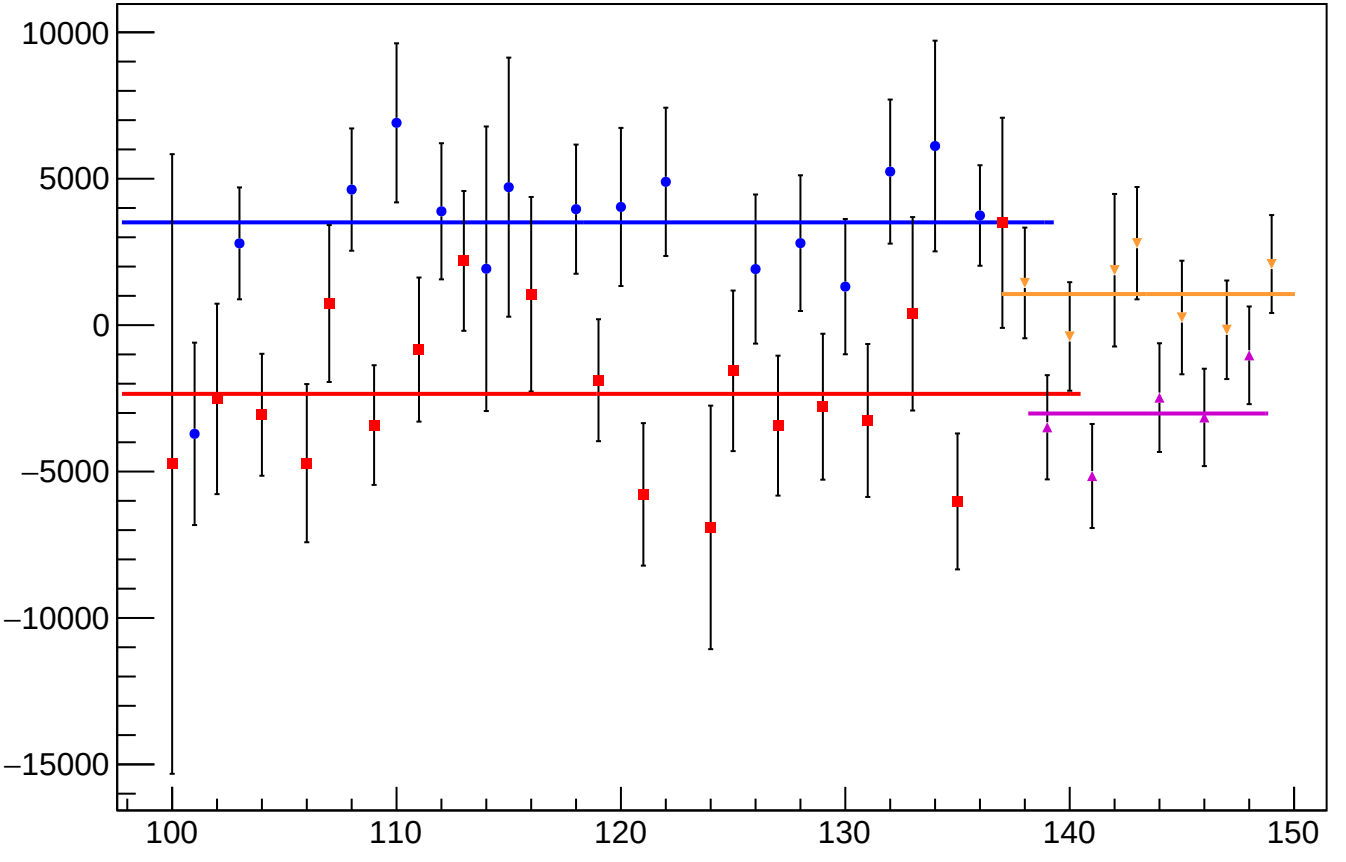
Left In: 4750.732+/-1.620 χ^2/NDF:92345.7/4

+ sign 4825.207+/-0.979 χ^2/NDF: 693635.7/22

All: 4750.423+/-0.694 χ^2/NDF: 1664679.1/46

- 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: 1061.553+/-712.929 χ^2/NDF:2.6/6

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

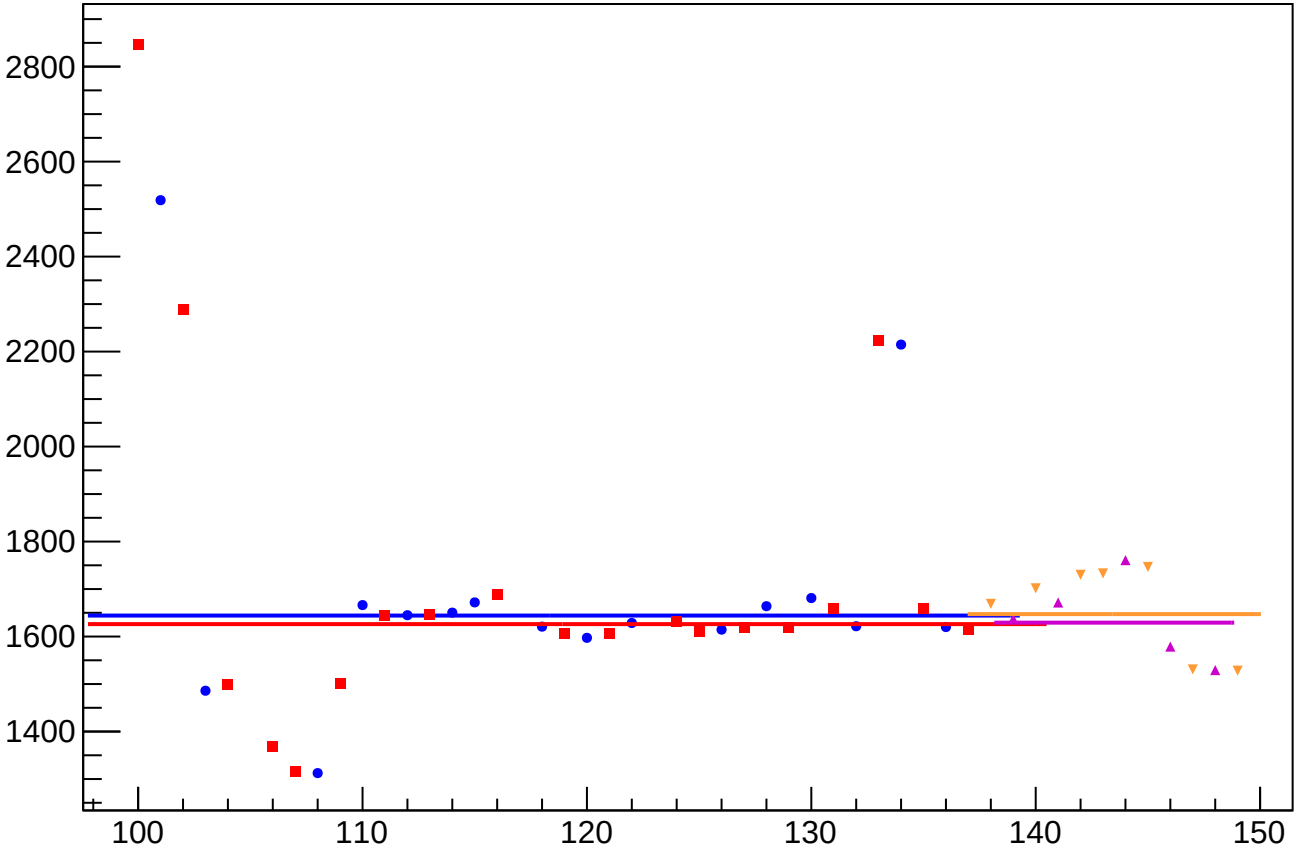
Left In: -3017.955+/-779.910 χ^2/NDF:3.0/4

+ sign 2461.727+/-466.423 χ^2/NDF: 19.8/22

All: -0.562+/-334.258 χ^2/NDF: 97.7/46

- 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: 1647.249+/-0.504 χ^2/NDF:32966.4/6

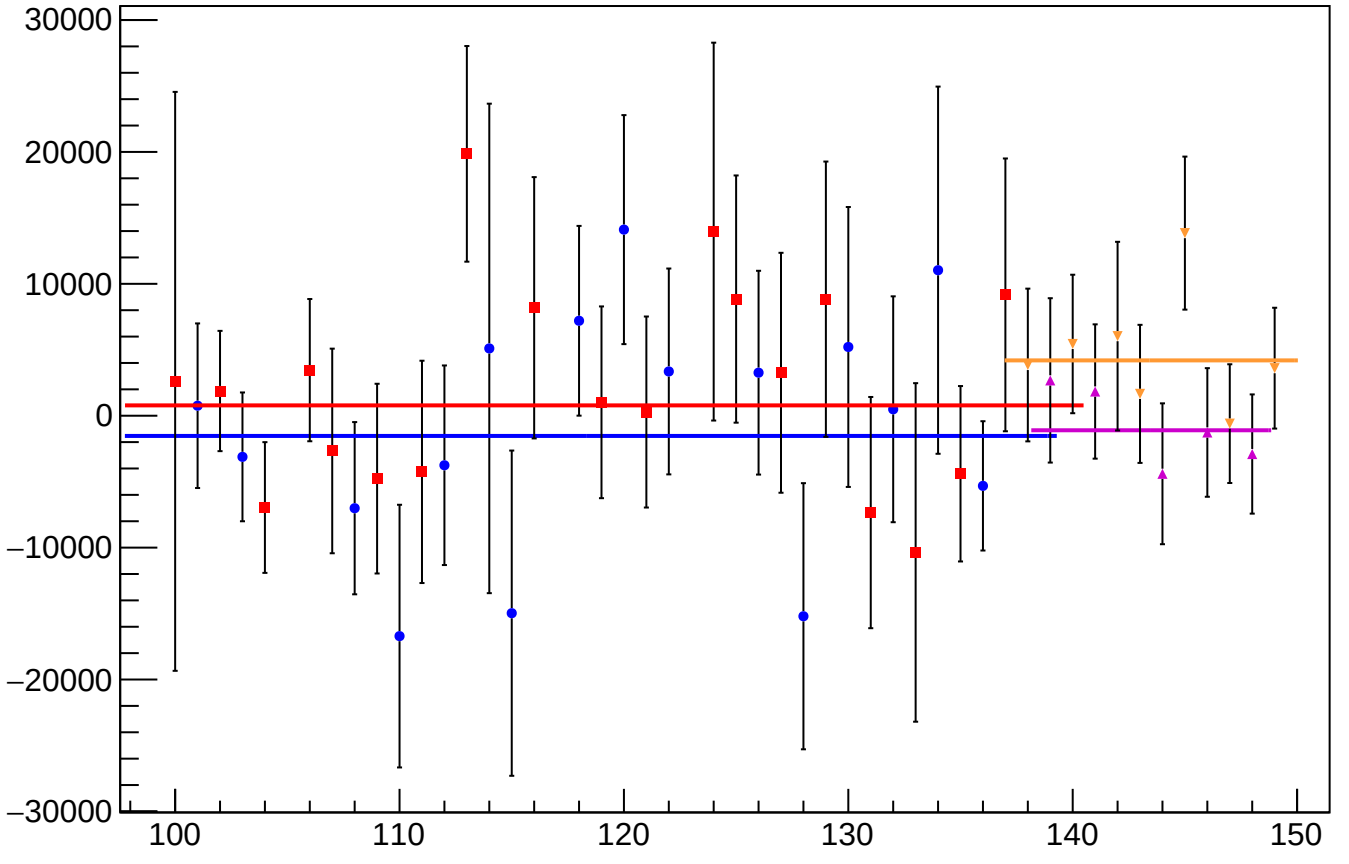
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1629.277+/-0.551 χ^2/NDF:20251.7/4

+ sign 1645.504+/-0.330 χ^2/NDF: 307805.4/22

All: 1636.666+/-0.236 χ^2/NDF: 567191.0/46

- 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: 4195.075+/-2004.384 χ^2/NDF:4.3/6

Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

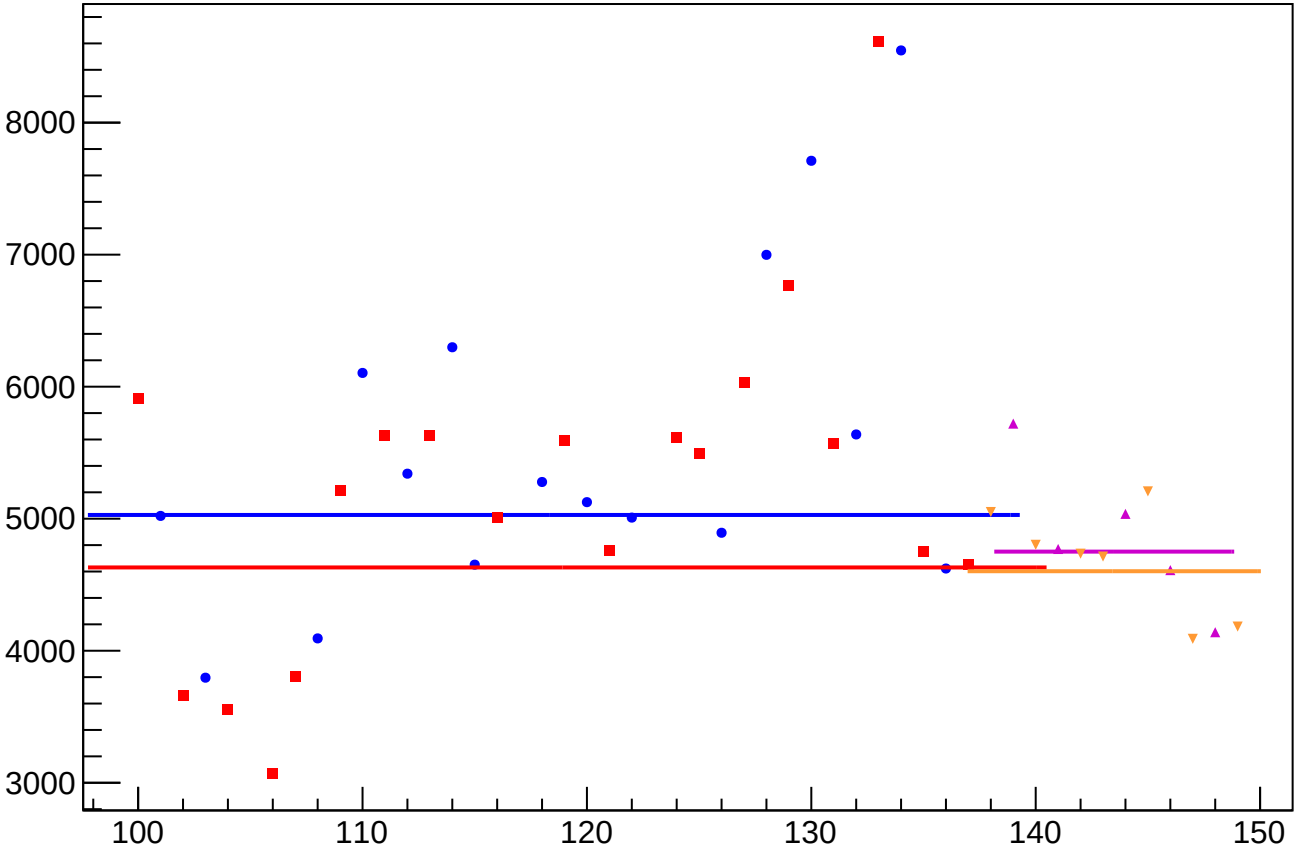
Left In: -1102.974+/-2291.588 χ^2/NDF:1.2/4

+ sign 1199.149+/-1384.176 χ^2/NDF: 22.4/22

All: 646.837+/-980.849 χ^2/NDF: 39.5/46

- sign 89.784+/-1390.104 χ^2/NDF: 16.7/23

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4602.277+/-1.417 χ^2/NDF:80868.4/6

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

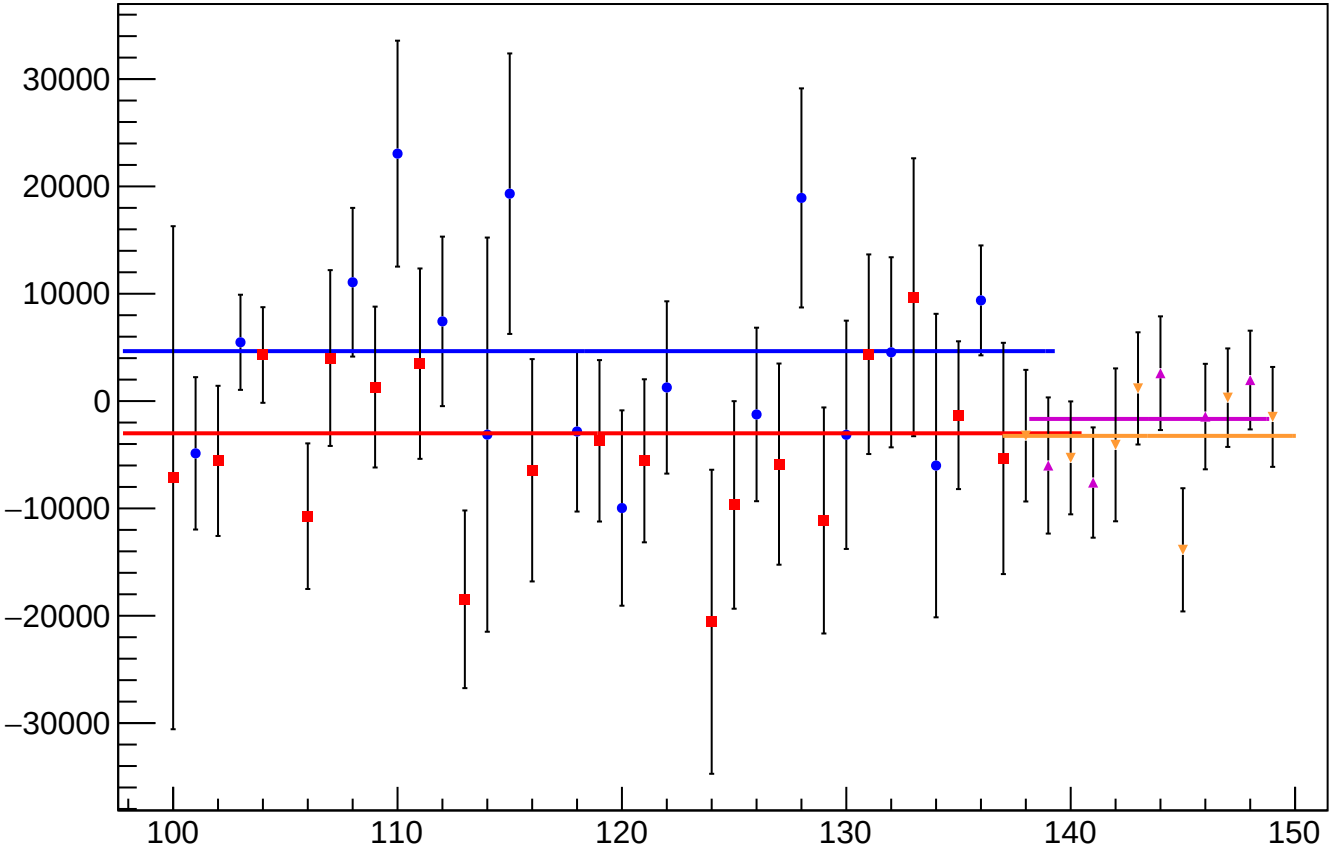
Left In: 4750.739+/-1.620 χ^2/NDF:92345.9/4

+ sign 4825.208+/-0.979 χ^2/NDF: 693626.5/22

All: 4750.422+/-0.694 χ^2/NDF: 1664665.3/46

- 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: -3240.975+/-2028.373 χ^2/NDF:5.0/6

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

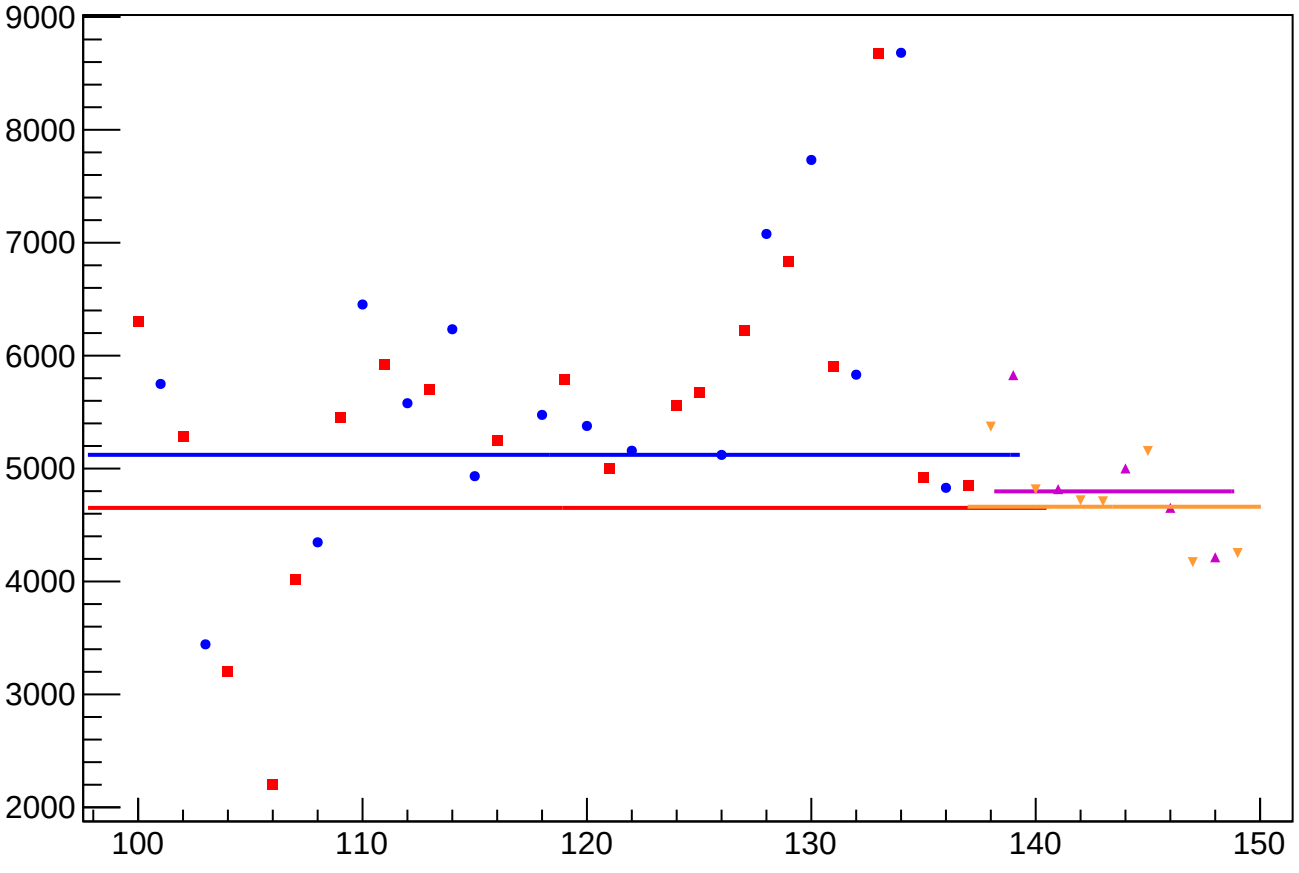
Left In: -1662.975+/-2312.129 χ^2/NDF:3.1/4

+ sign 844.398+/-1408.922 χ^2/NDF: 28.4/22

All: -752.622+/-1013.828 χ^2/NDF: 48.2/46

- 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: 4661.993+/-1.434 χ^2/NDF:81959.6/6

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

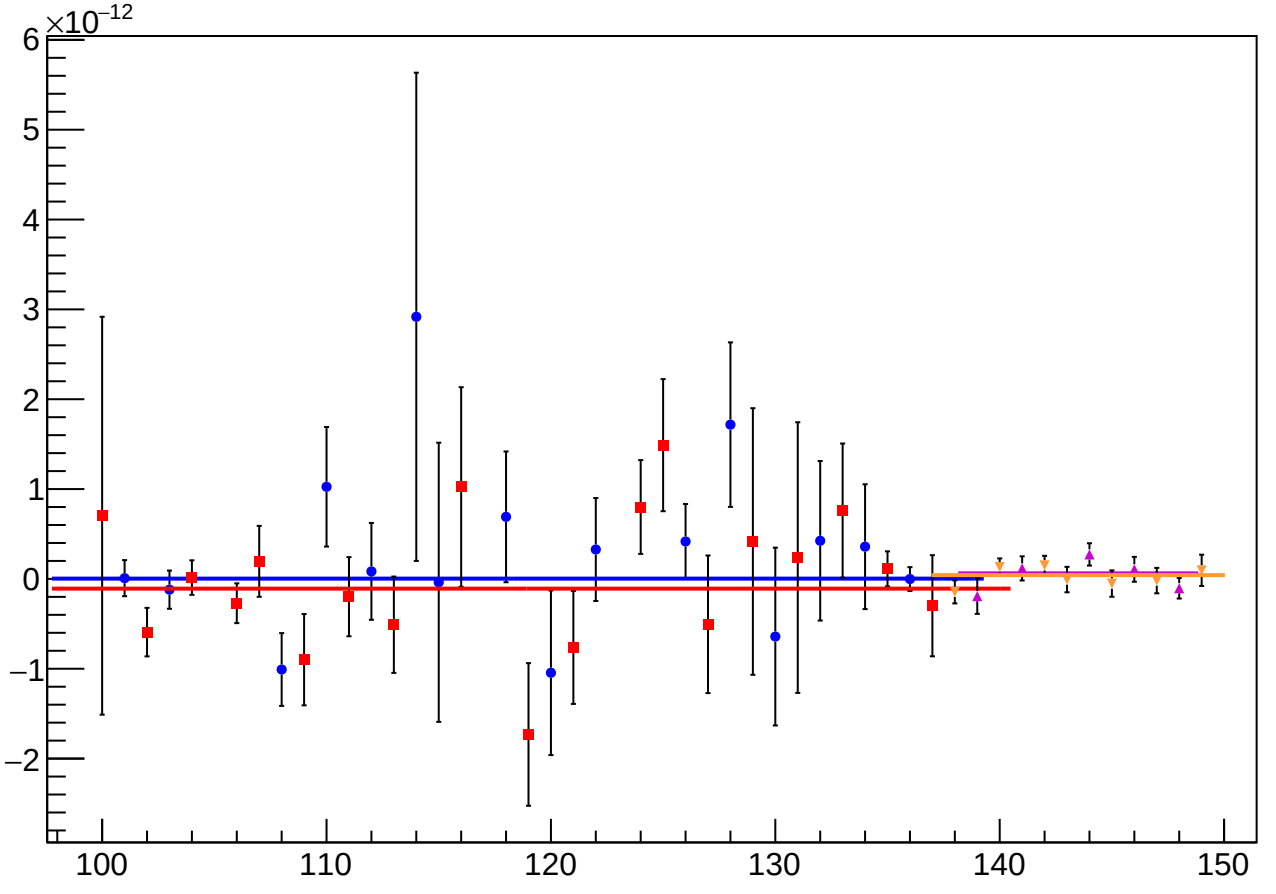
Left In: 4797.957+/-1.635 χ^2/NDF:89628.9/4

+ sign 4899.872+/-0.996 χ^2/NDF: 855481.5/22

All: 4804.725+/-0.709 χ^2/NDF: 2313396.1/46

- 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:4.8/6

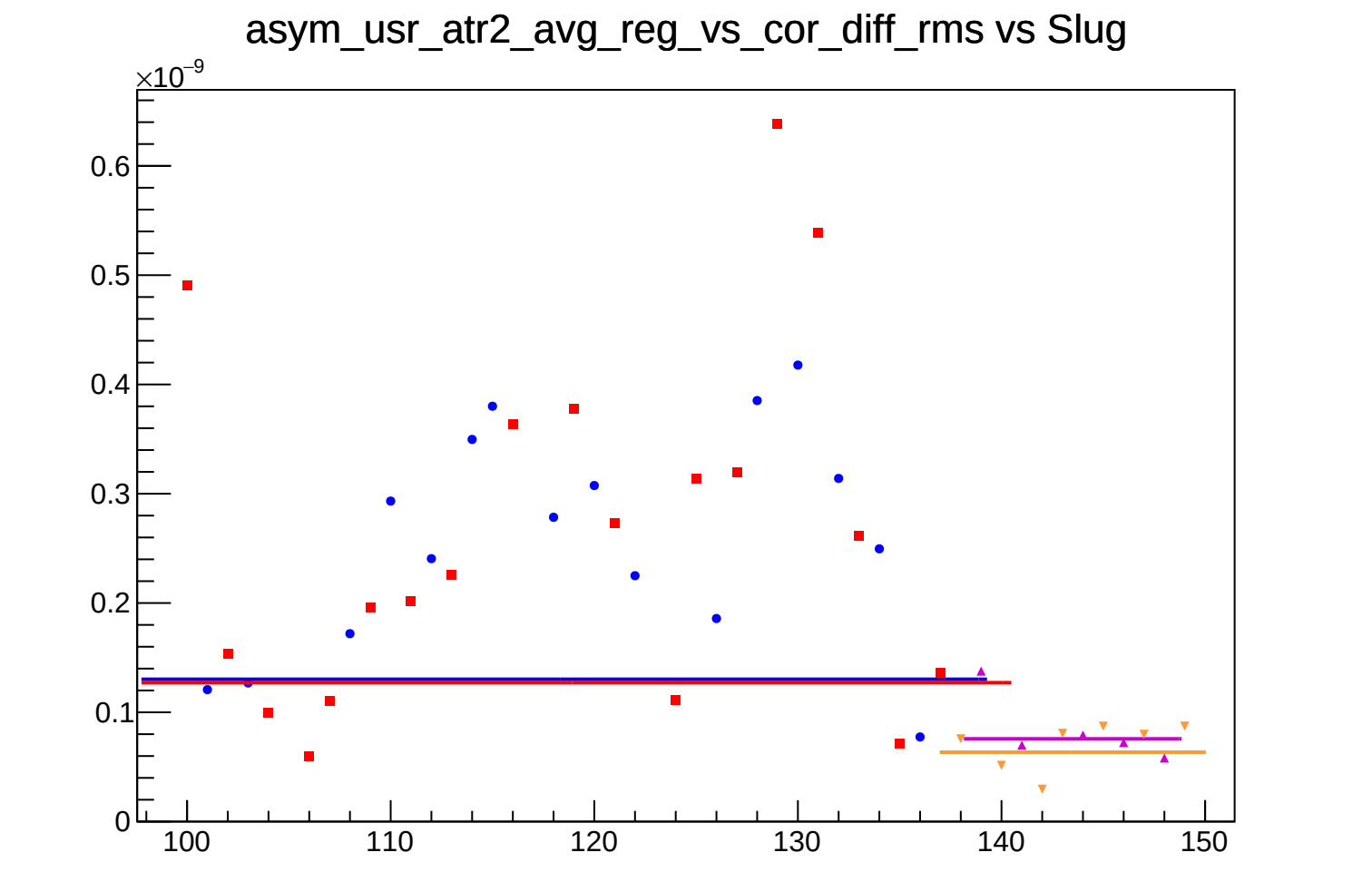
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 23.0/22

All: 0.000+/-0.000 χ^2/NDF: 57.7/46

- 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:399536.3/6

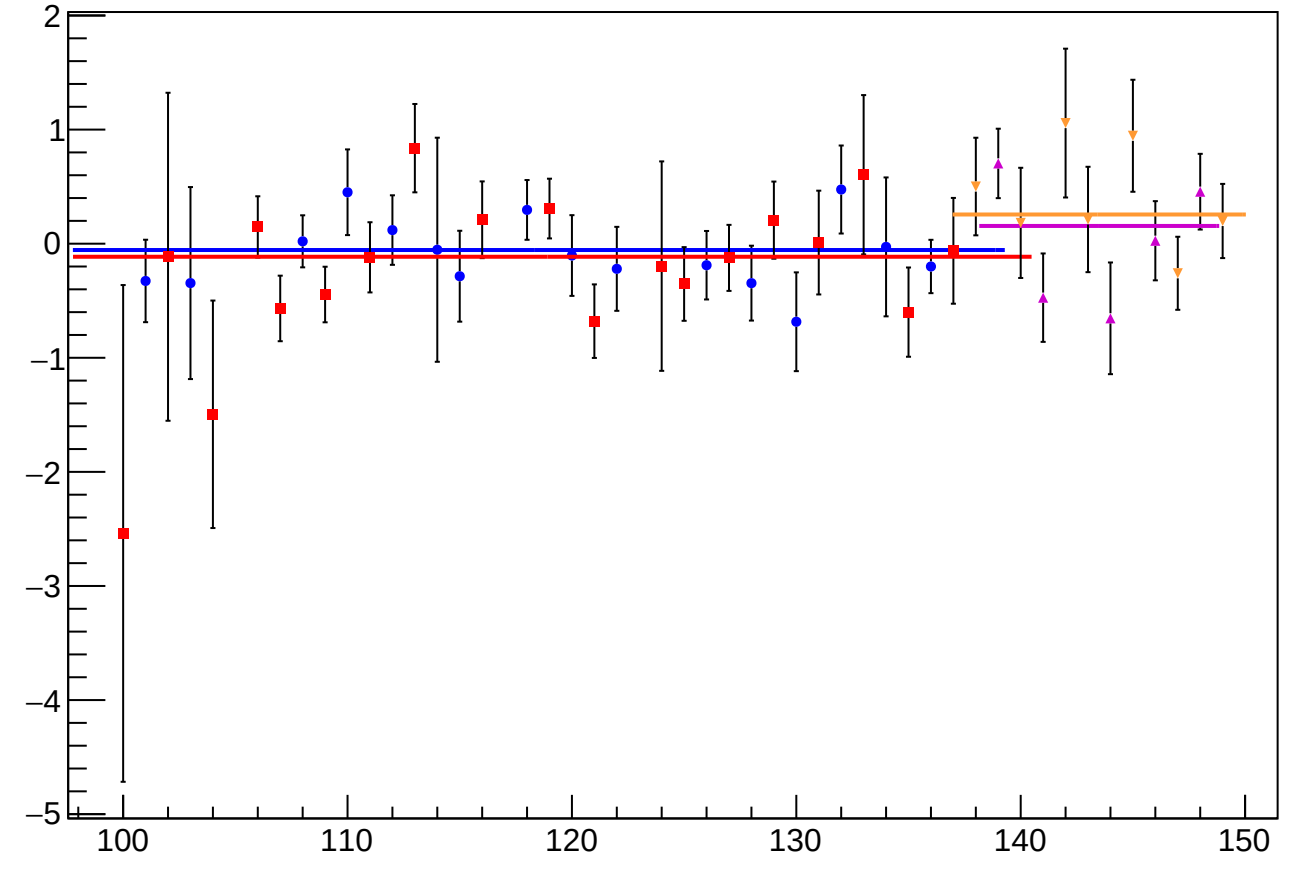
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:250085.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 2639734.1/22

All: 0.000+/-0.000 χ^2/NDF: 5151574.7/46

- 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: 0.256+/-0.158 χ^2/NDF:6.5/6

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

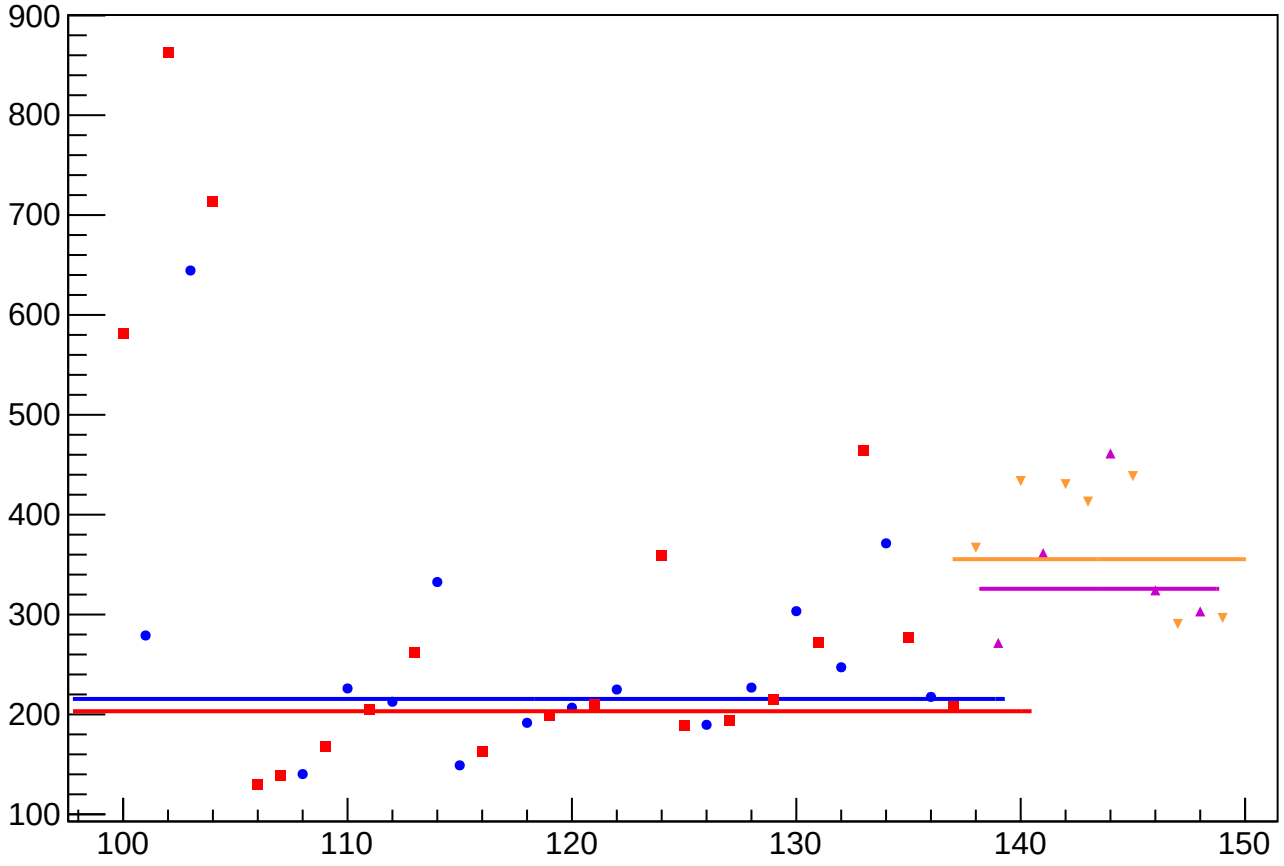
Left In: 0.156+/-0.160 χ^2/NDF:9.6/4

+ sign 0.015+/-0.075 χ^2/NDF: 20.1/22

All: -0.022+/-0.053 χ^2/NDF: 57.6/46

- 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: 355.440+/-0.112 χ^2/NDF:316590.6/6

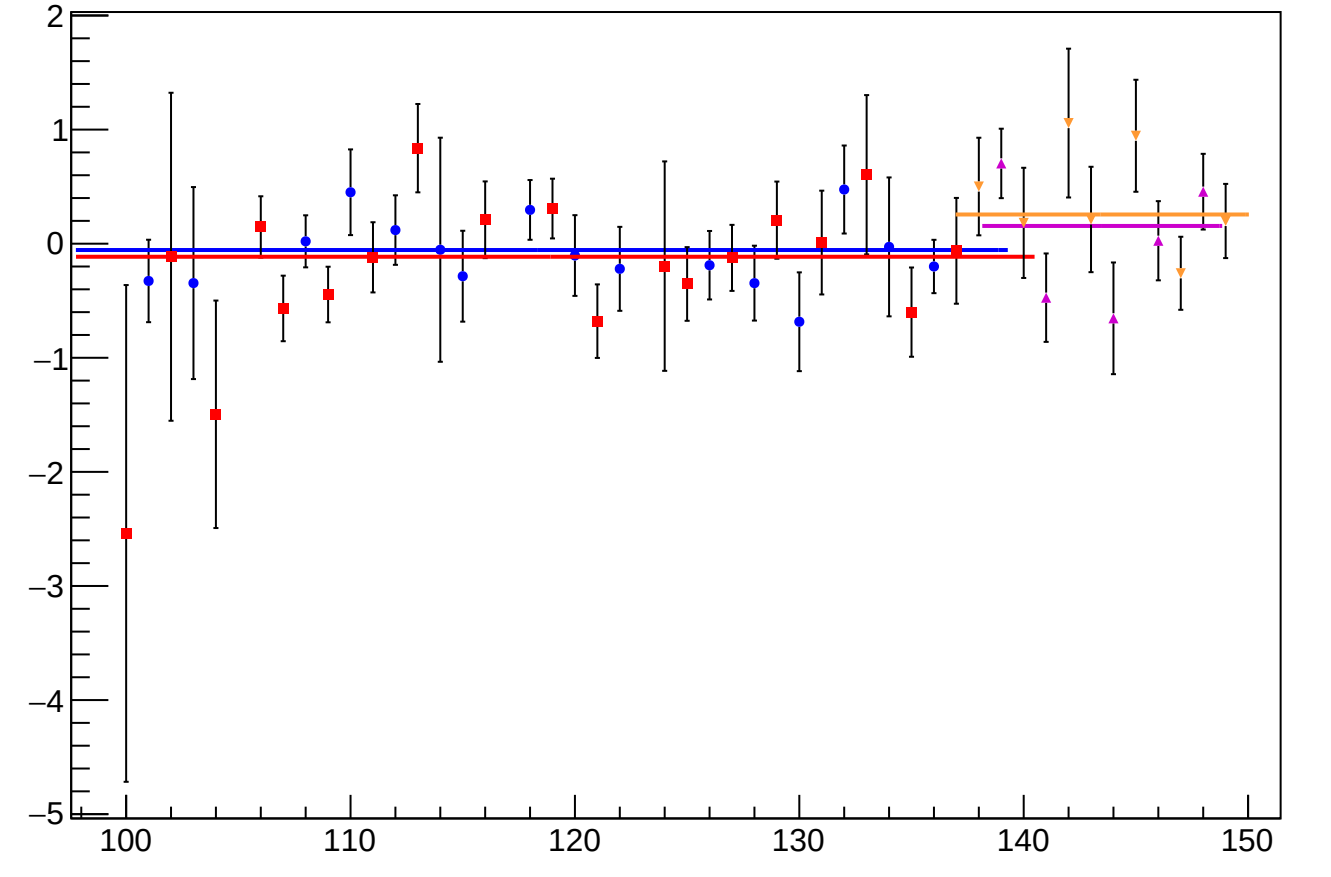
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 325.794+/-0.113 χ^2/NDF:243004.2/4

+ sign 247.261+/-0.053 χ^2/NDF: 2681295.7/22

All: 238.114+/-0.037 χ^2/NDF: 5741350.2/46

- 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: 0.256+/-0.158 χ^2/NDF:6.5/6

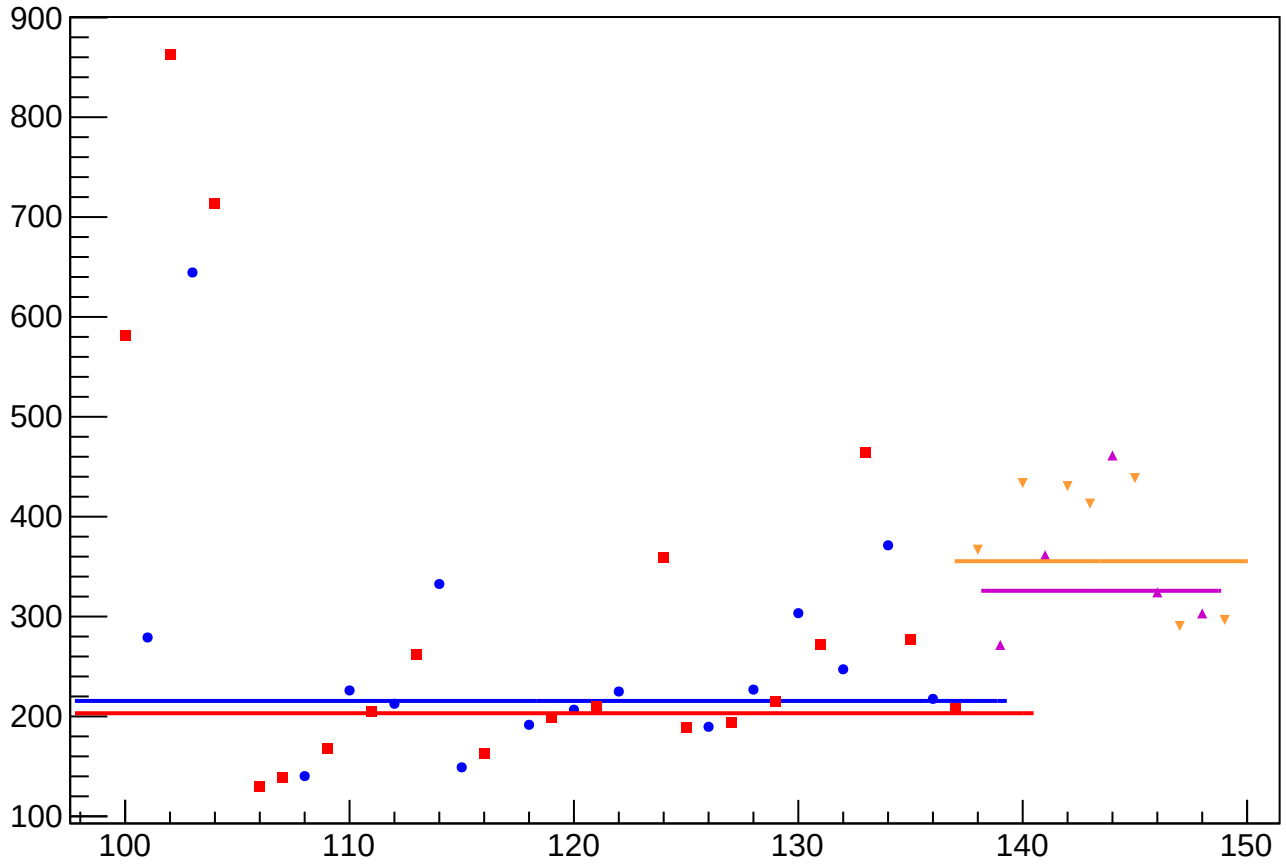
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.156+/-0.160 χ^2/NDF:9.6/4

+ sign 0.015+/-0.075 χ^2/NDF: 20.1/22

All: -0.022+/-0.053 χ^2/NDF: 57.6/46

- 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: 355.440+/-0.112 χ^2/NDF:316590.6/6

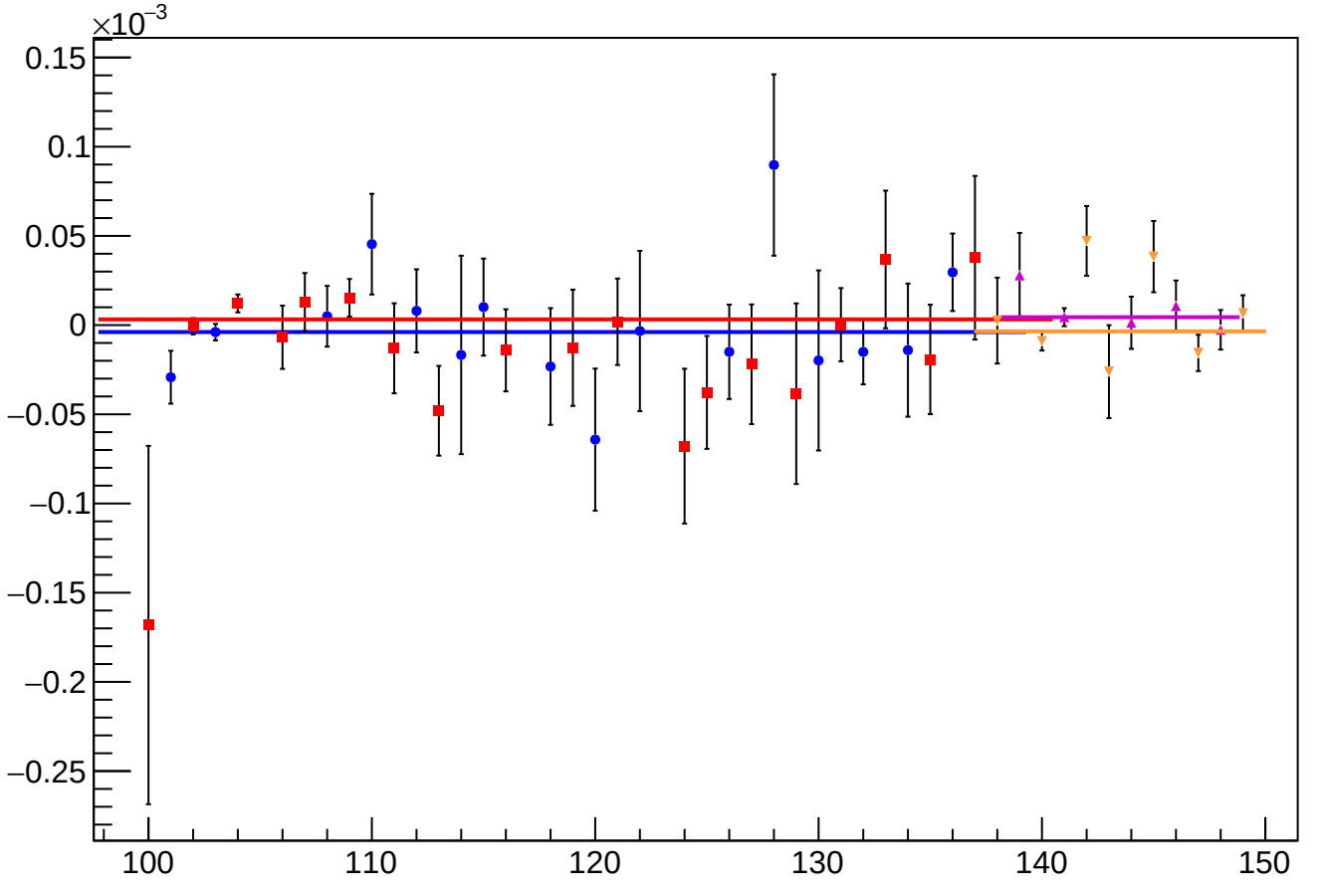
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 325.794+/-0.113 χ^2/NDF:243004.2/4

+ sign 247.261+/-0.053 χ^2/NDF: 2681295.7/22

All: 238.114+/-0.037 χ^2/NDF: 5741350.2/46

- 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:15.4/6

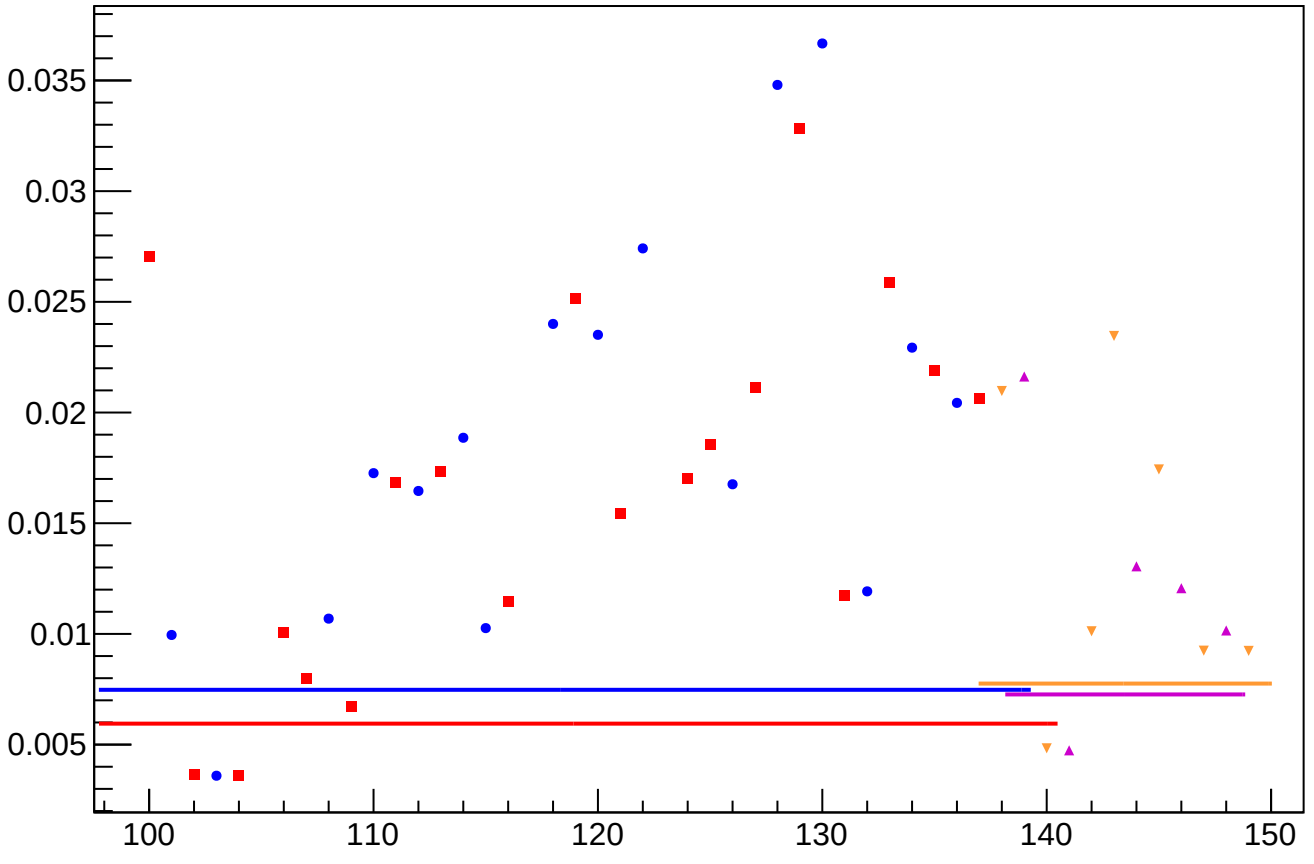
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 31.4/22

All: 0.000+/-0.000 χ^2/NDF: 58.8/46

- 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: 0.008+/-0.000 χ^2/NDF:2529189.1/6

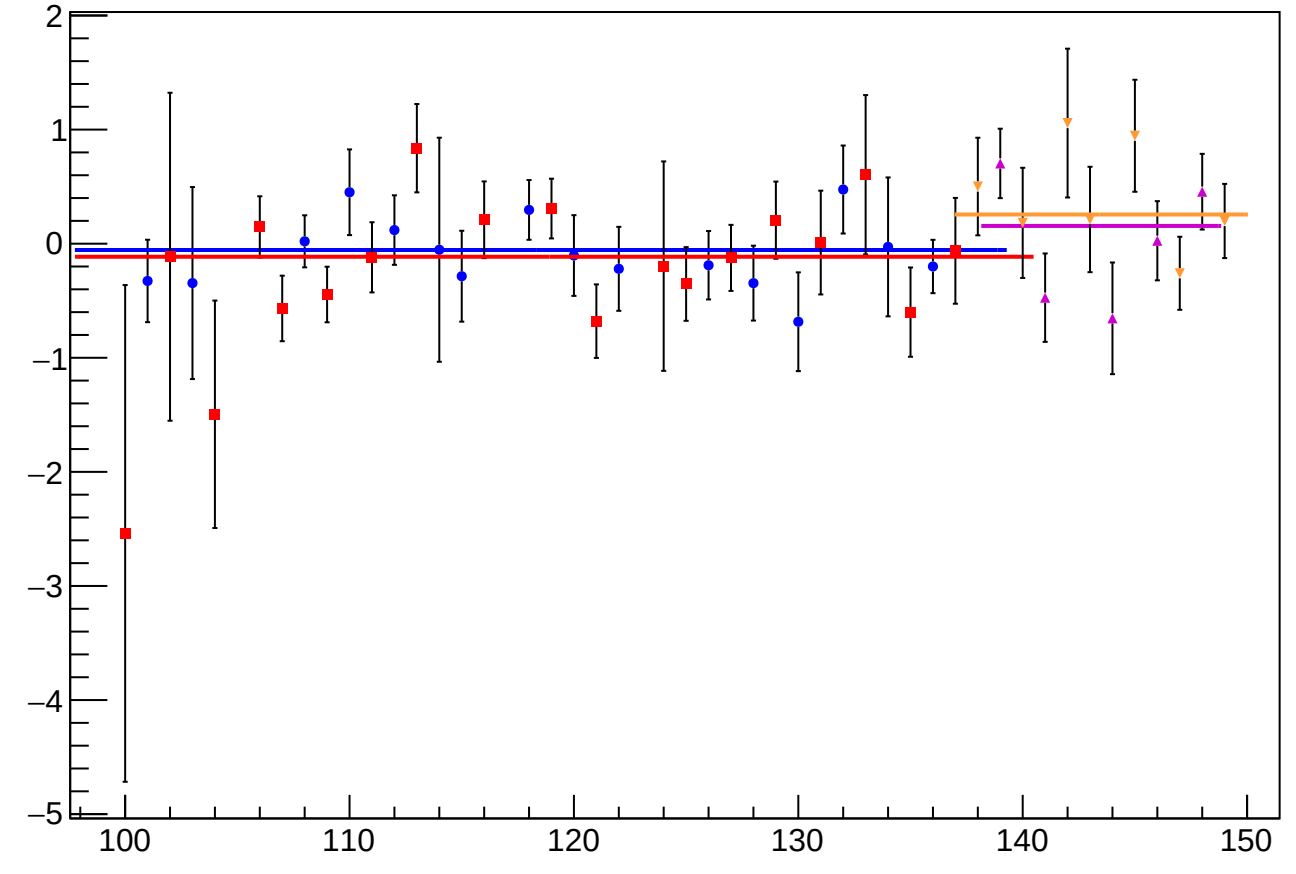
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1900337.4/4

+ sign 0.008+/-0.000 χ^2/NDF: 8610659.8/22

All: 0.007+/-0.000 χ^2/NDF: 16811662.0/46

- 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: 0.256+/-0.158 χ^2/NDF:6.5/6

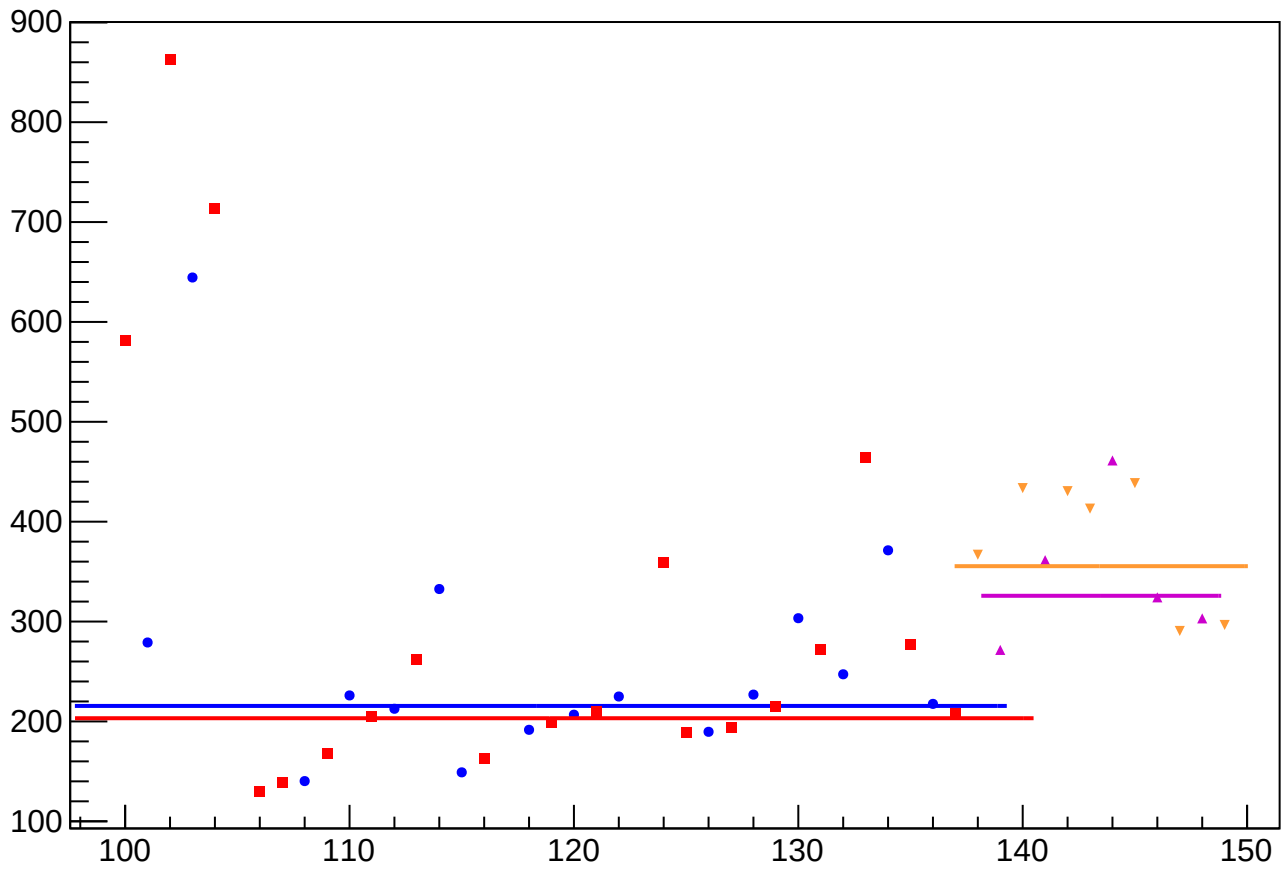
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.156+/-0.160 χ^2/NDF:9.6/4

+ sign 0.015+/-0.075 χ^2/NDF: 20.1/22

All: -0.022+/-0.053 χ^2/NDF: 57.6/46

- 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: 355.446+/-0.112 χ^2/NDF:316579.6/6

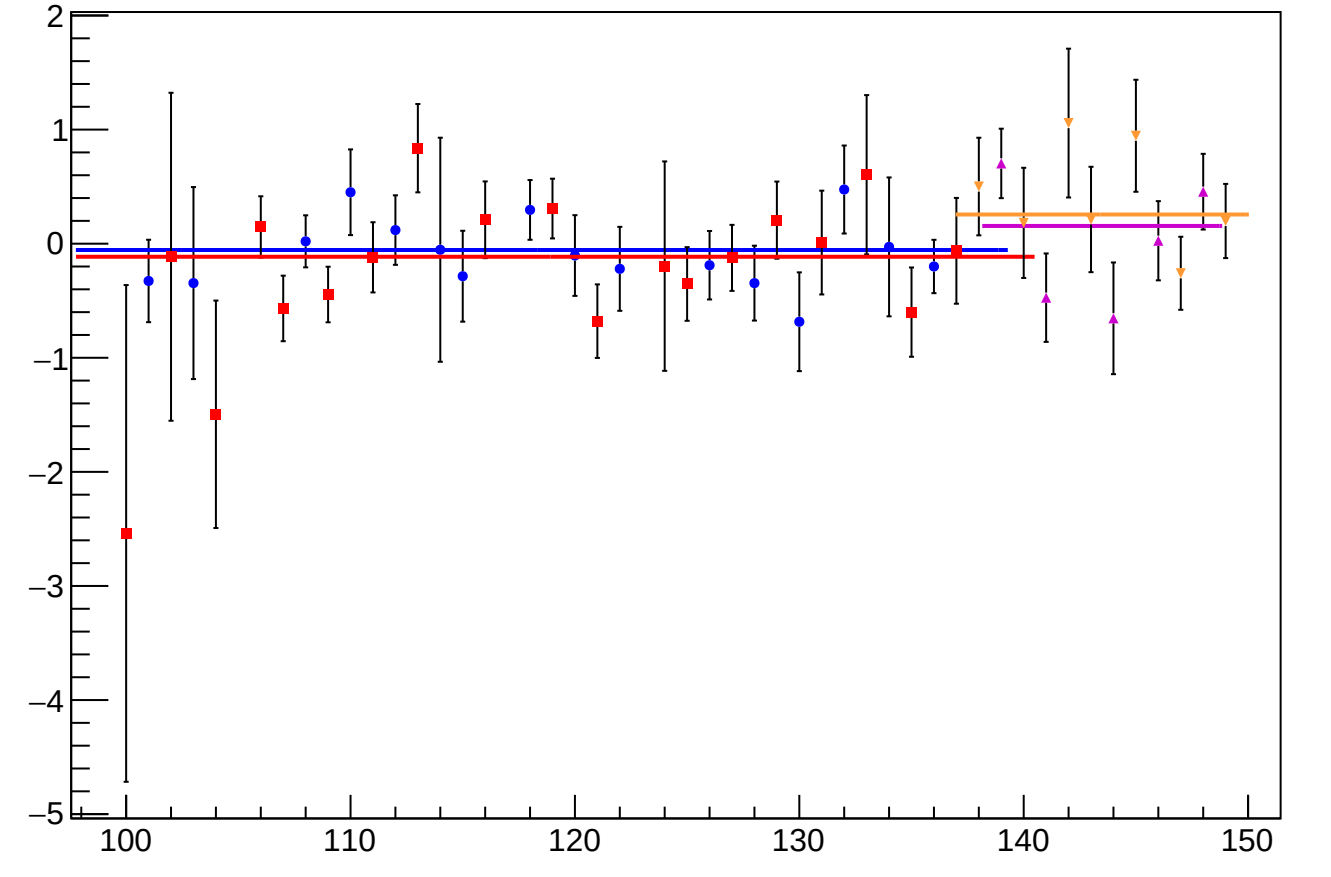
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 325.799+/-0.113 χ^2/NDF:242993.8/4

+ sign 247.260+/-0.053 χ^2/NDF: 2681347.1/22

All: 238.113+/-0.037 χ^2/NDF: 5741453.2/46

- 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: 0.256+/-0.158 χ^2/NDF:6.5/6

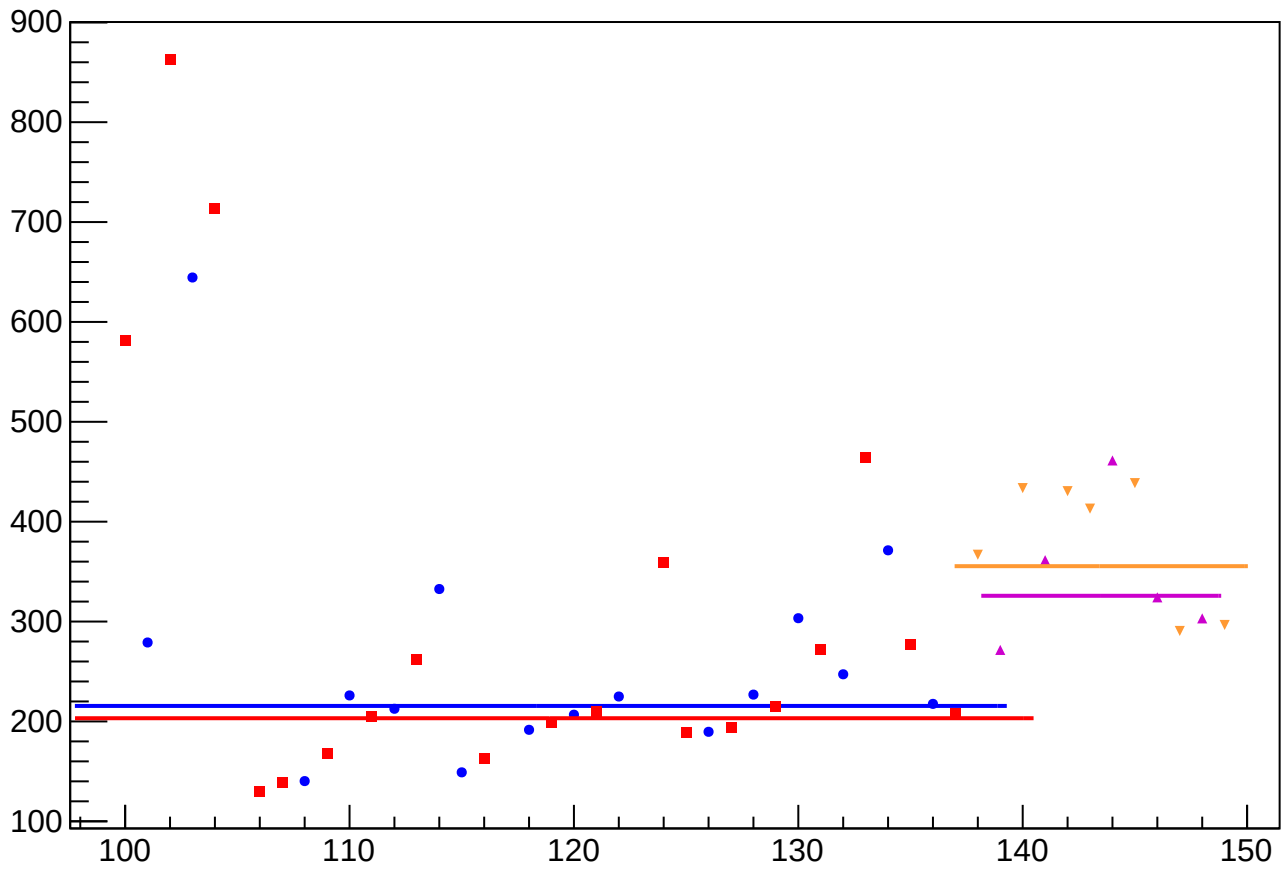
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.156+/-0.160 χ^2/NDF:9.6/4

+ sign 0.015+/-0.075 χ^2/NDF: 20.1/22

All: -0.022+/-0.053 χ^2/NDF: 57.6/46

- 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: 355.446+/-0.112 χ^2/NDF:316579.6/6

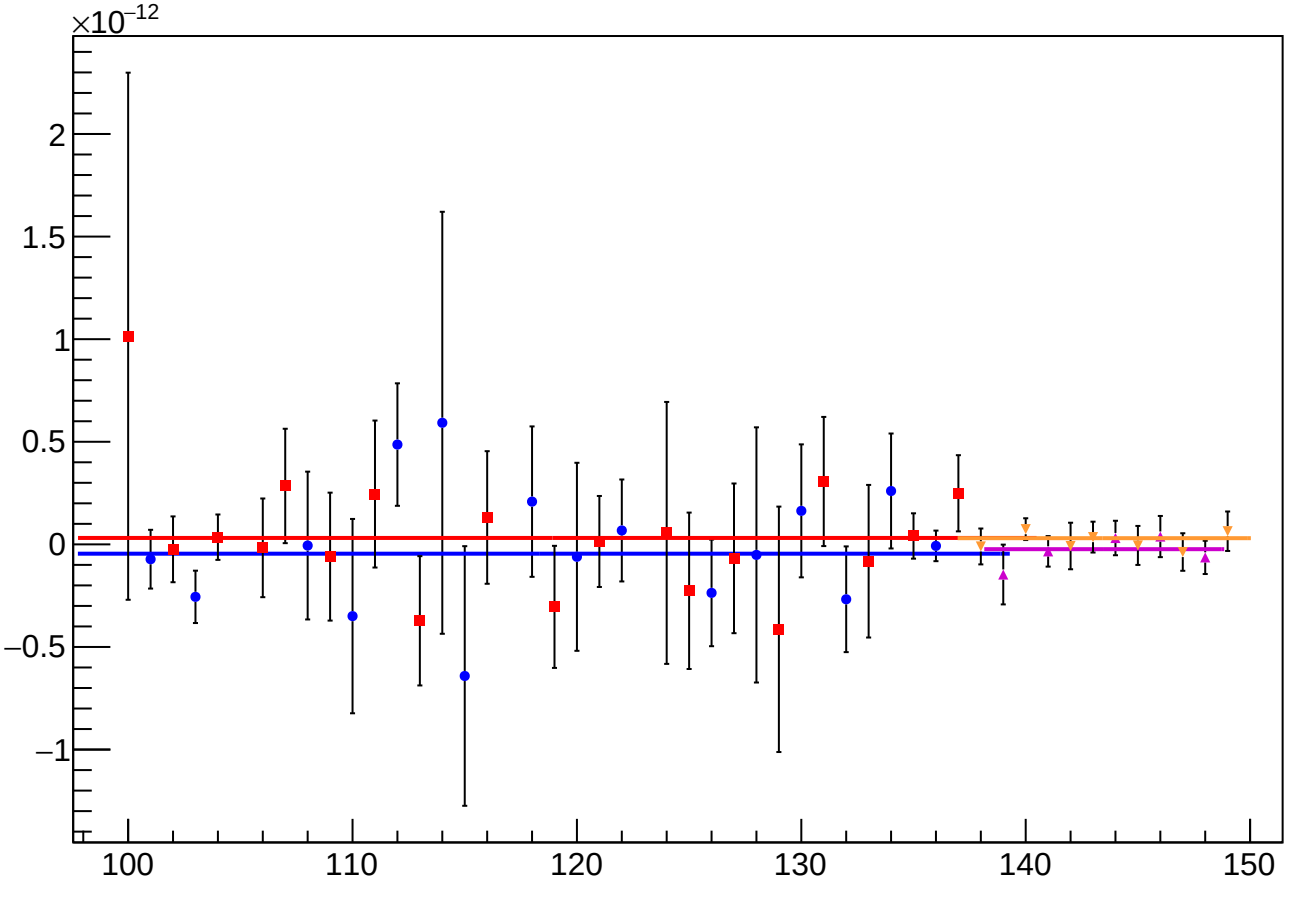
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 325.799+/-0.113 χ^2/NDF:242993.8/4

+ sign 247.260+/-0.053 χ^2/NDF: 2681347.1/22

All: 238.113+/-0.037 χ^2/NDF: 5741453.2/46

- 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:1.8/6

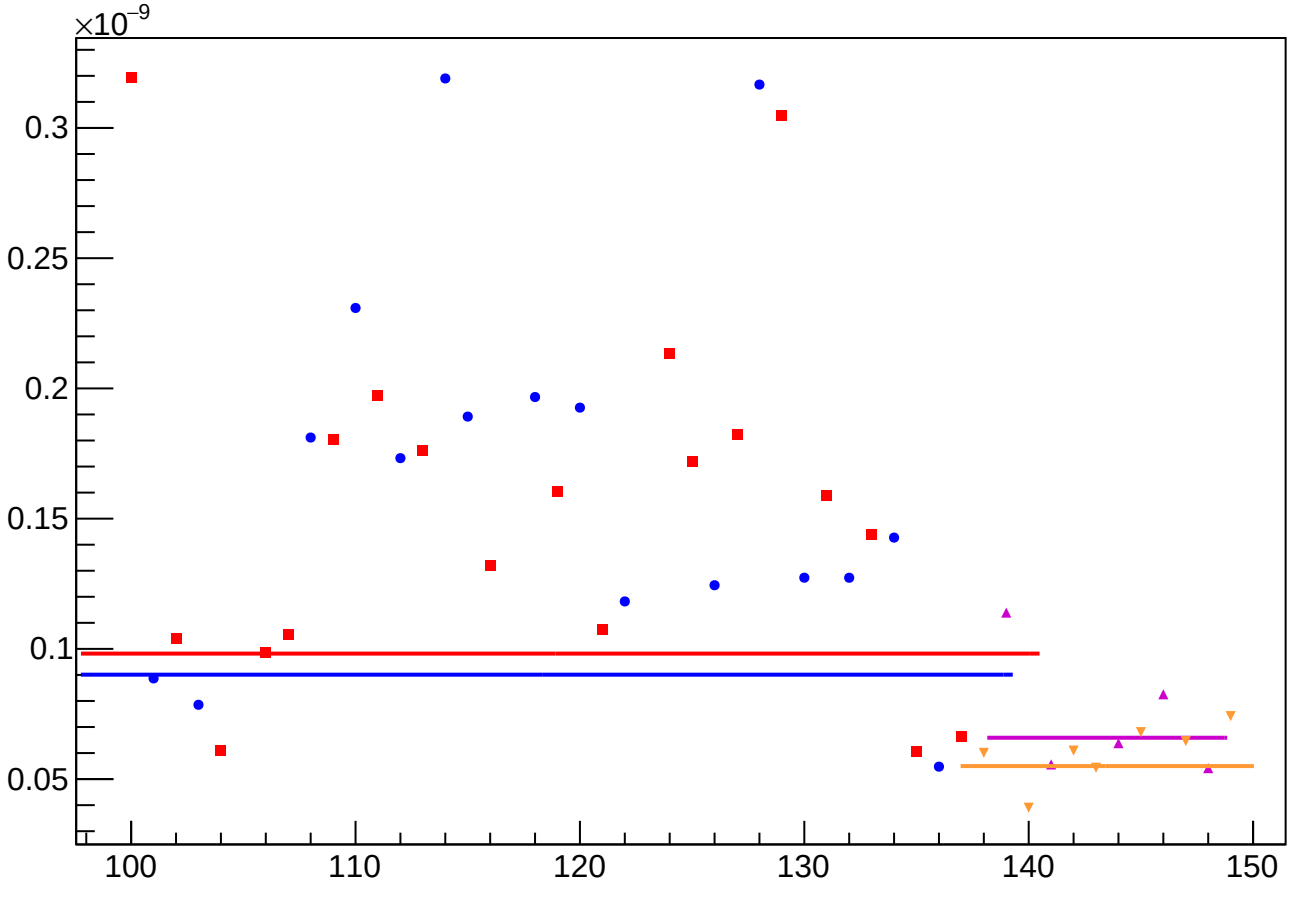
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 15.0/22

All: 0.000+/-0.000 χ^2/NDF: 25.9/46

- sign -0.000+/-0.000 χ^2/NDF: 10.8/23



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:332781.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

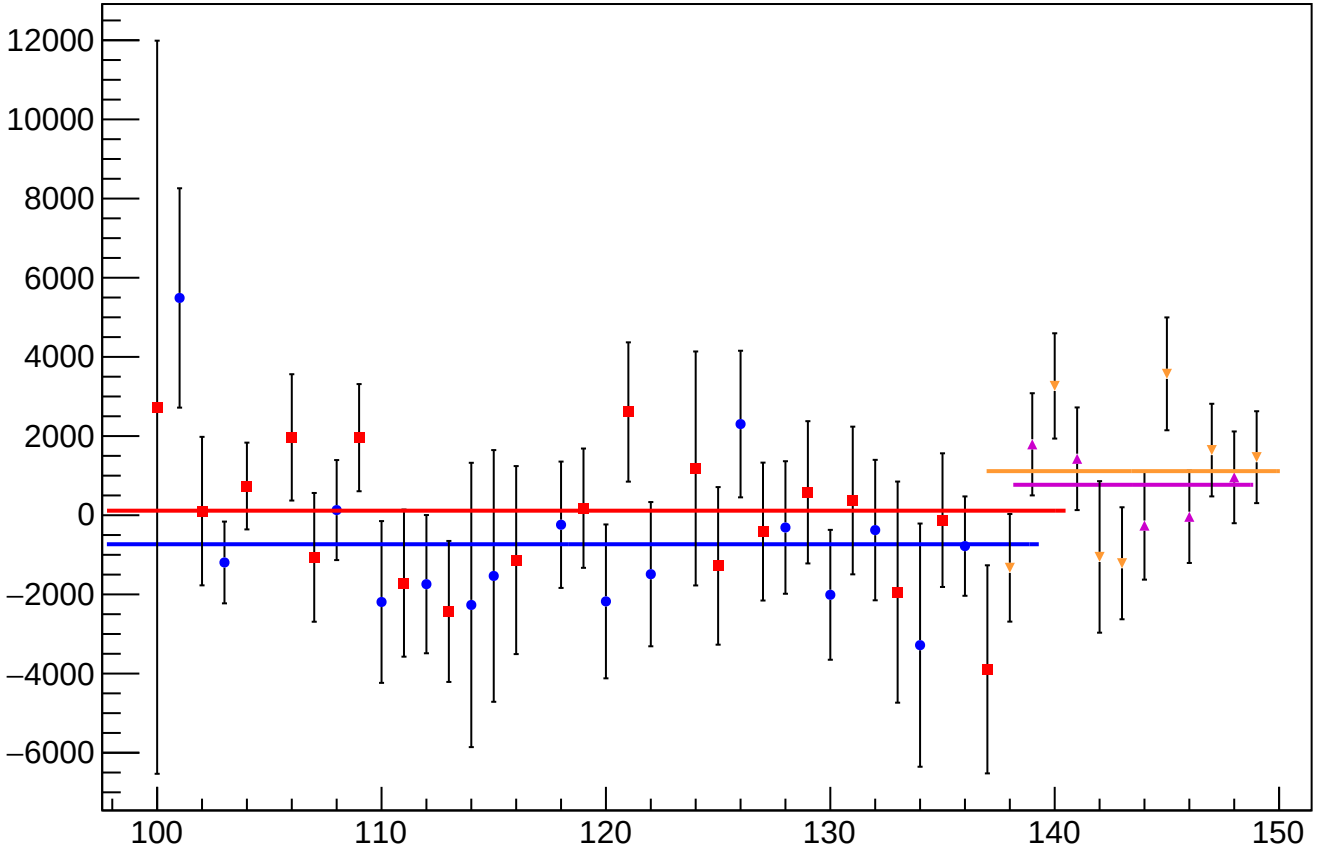
Left In: 0.000+/-0.000 χ^2/NDF:353322.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 2860357.9/22

All: 0.000+/-0.000 χ^2/NDF: 5604890.4/46

- sign 0.000+/-0.000 χ^2/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: 1114.149+/-510.080 χ^2/NDF:13.1/6

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

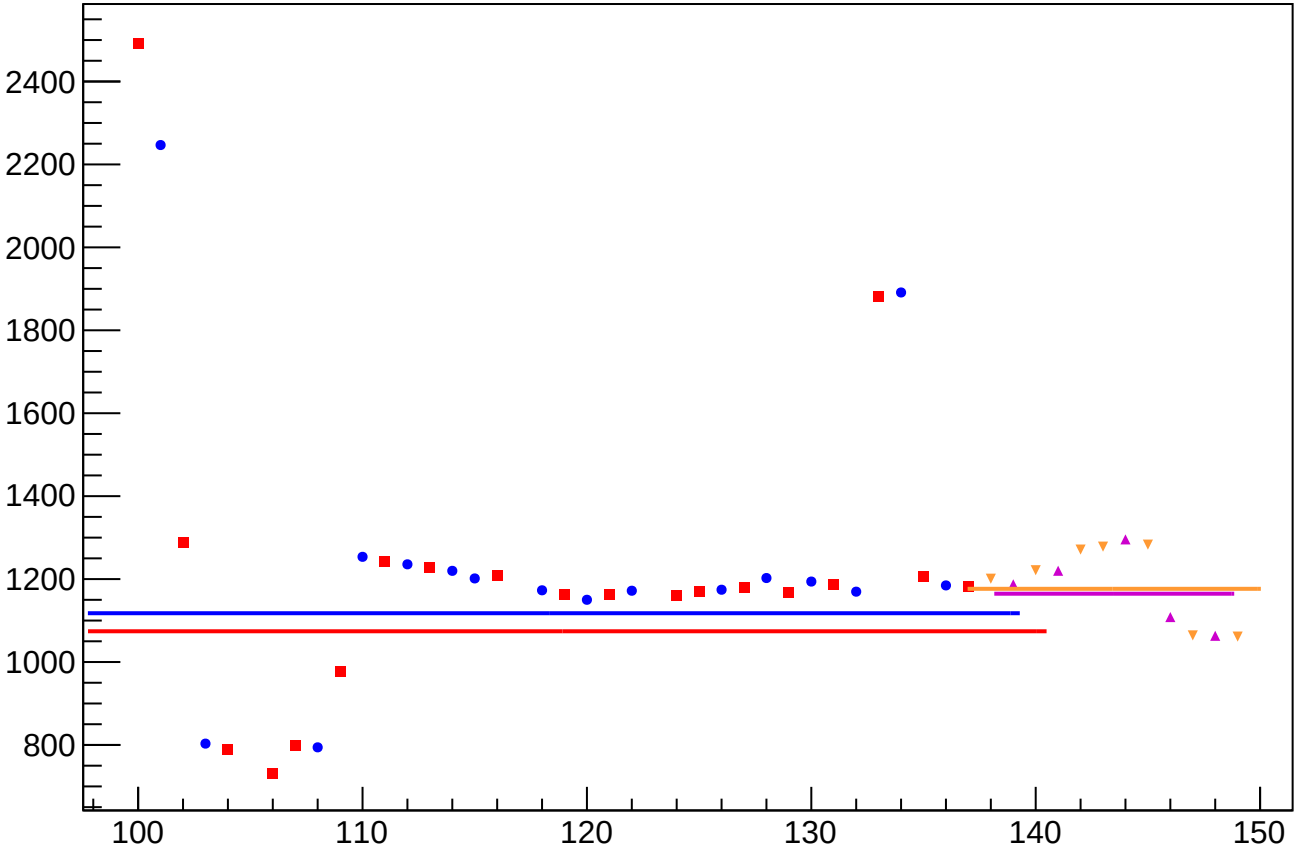
Left In: 769.175+/-558.260 χ^2/NDF:2.0/4

+ sign 29.041+/-327.592 χ^2/NDF: 32.5/22

All: 185.428+/-232.910 χ^2/NDF: 48.9/46

- 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: 1176.548+/-0.361 χ^2/NDF:67445.0/6

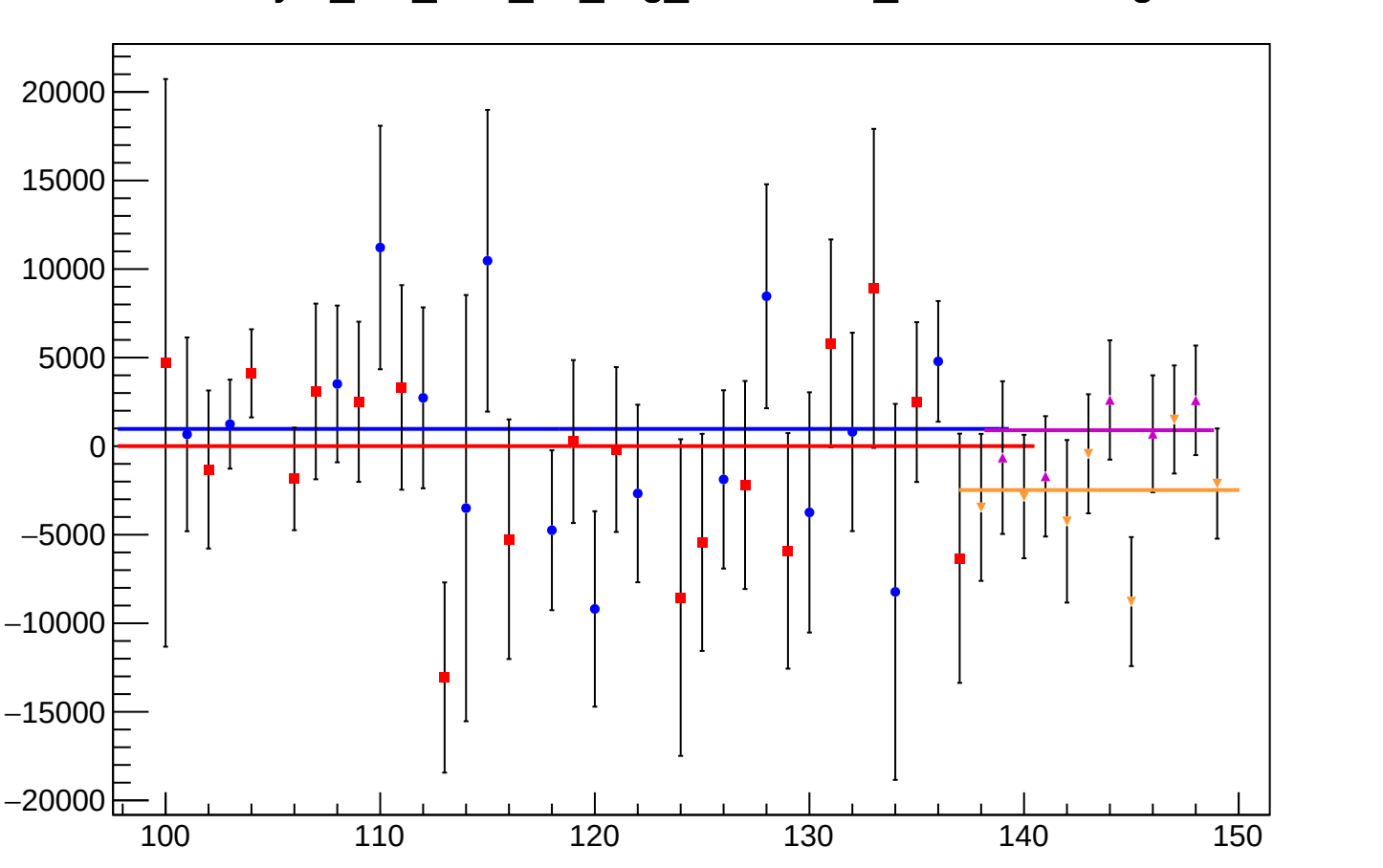
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1164.741+/-0.395 χ^2/NDF:42646.6/4

+ sign 1141.963+/-0.232 χ^2/NDF: 902929.2/22

All: 1123.929+/-0.164 χ^2/NDF: 1641603.9/46

- sign 1105.692+/-0.233 χ^2/NDF: 726484.0/23



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -2475.384+/-1333.732 χ^2/NDF:5.3/6

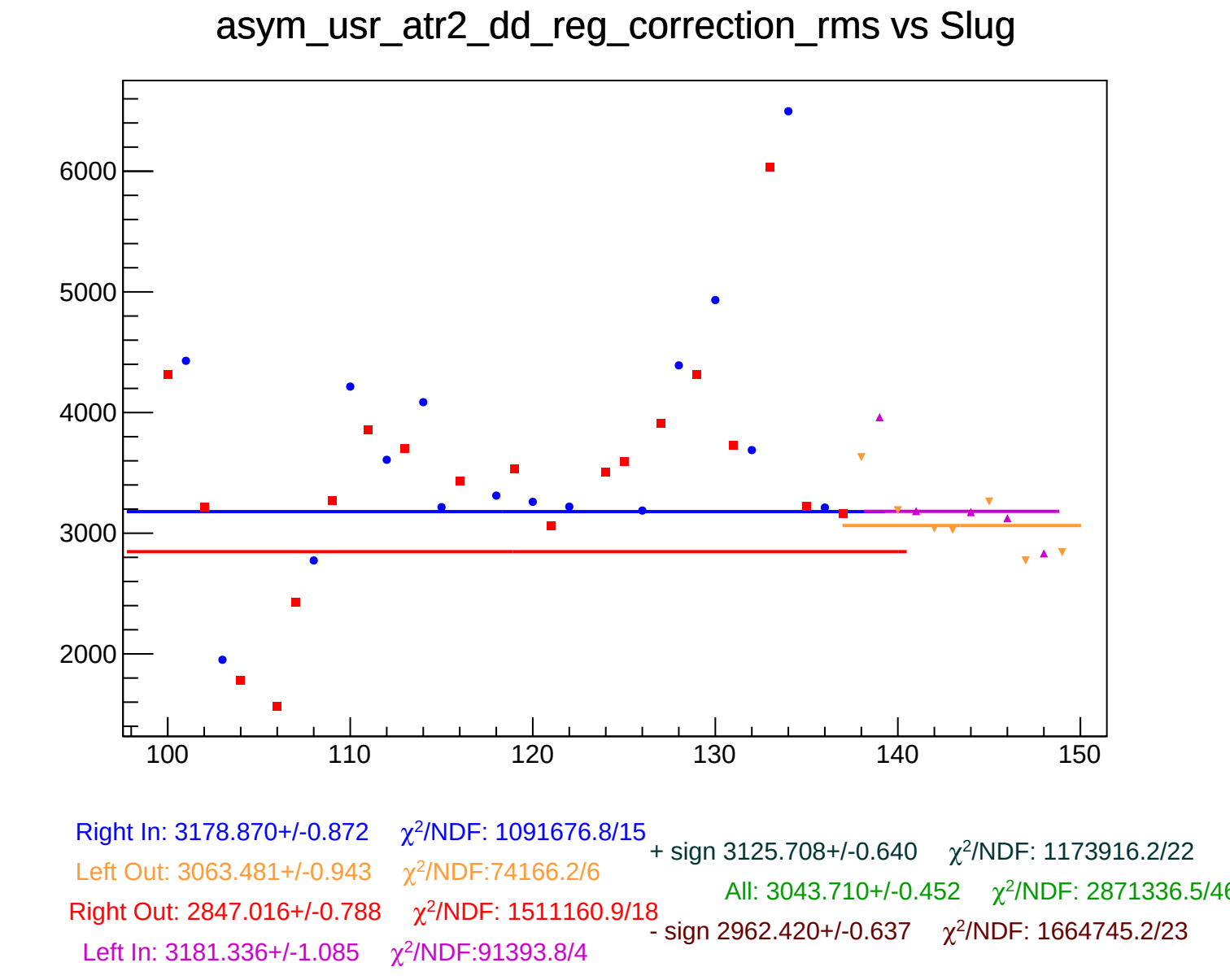
Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 899.262+/-1534.166 χ^2/NDF:1.3/4

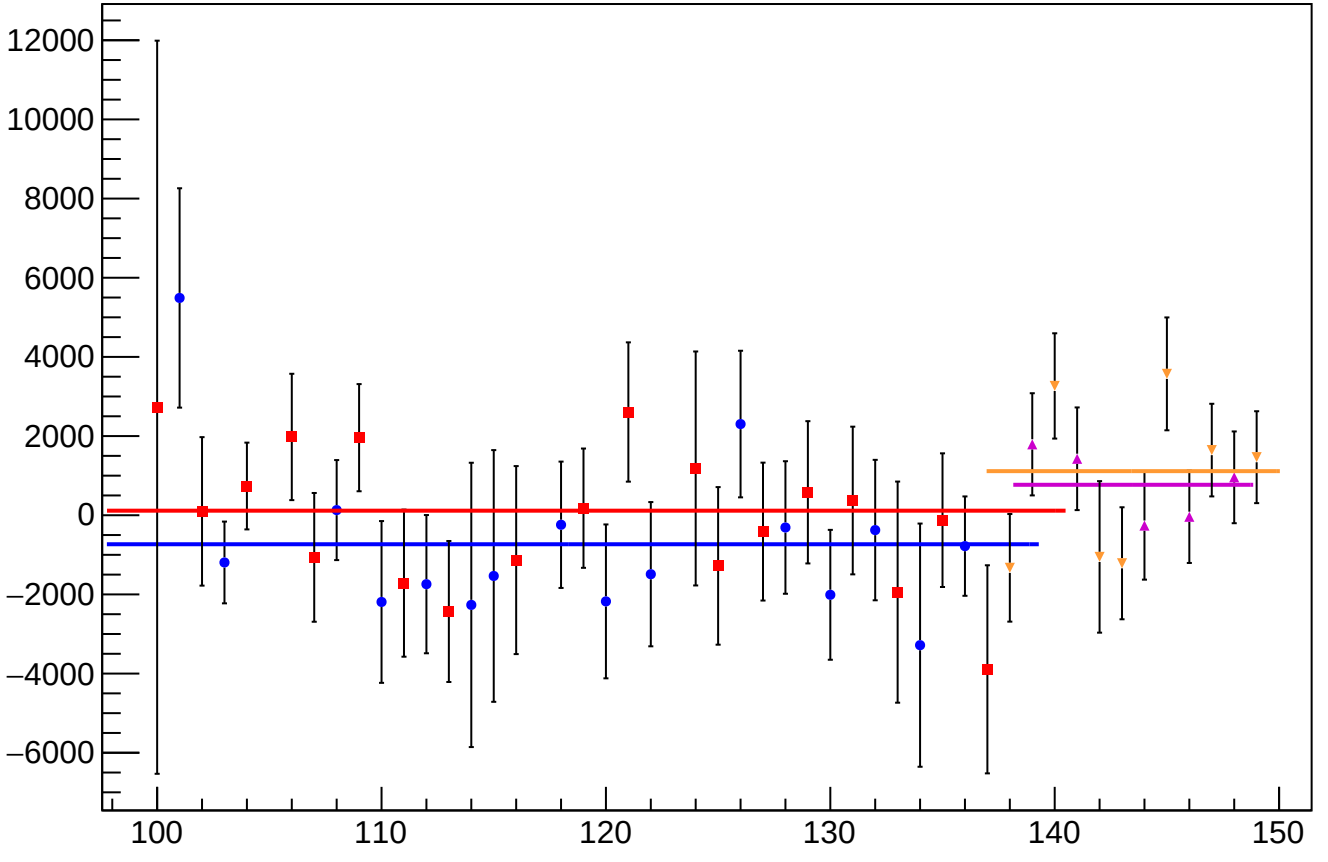
+ sign -615.318+/-905.285 χ^2/NDF: 22.7/22

All: -149.495+/-638.744 χ^2/NDF: 41.3/46

- sign 312.306+/-901.368 χ^2/NDF: 18.1/23


asym_usr_atr2_dd_reg_correction_rms vs Slug
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 3178.870+/-0.872 χ²/NDF: 1091676.8/15
Left Out: 3063.481+/-0.943 χ²/NDF:74166.2/6
Right Out: 2847.016+/-0.788 χ²/NDF: 1511160.9/18
Left In: 3181.336+/-1.085 χ²/NDF:91393.8/4
+ sign 3125.708+/-0.640 χ²/NDF: 1173916.2/22
All: 3043.710+/-0.452 χ²/NDF: 2871336.5/46
- sign 2962.420+/-0.637 χ²/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: 1114.130+/-510.080 χ^2/NDF:13.1/6

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

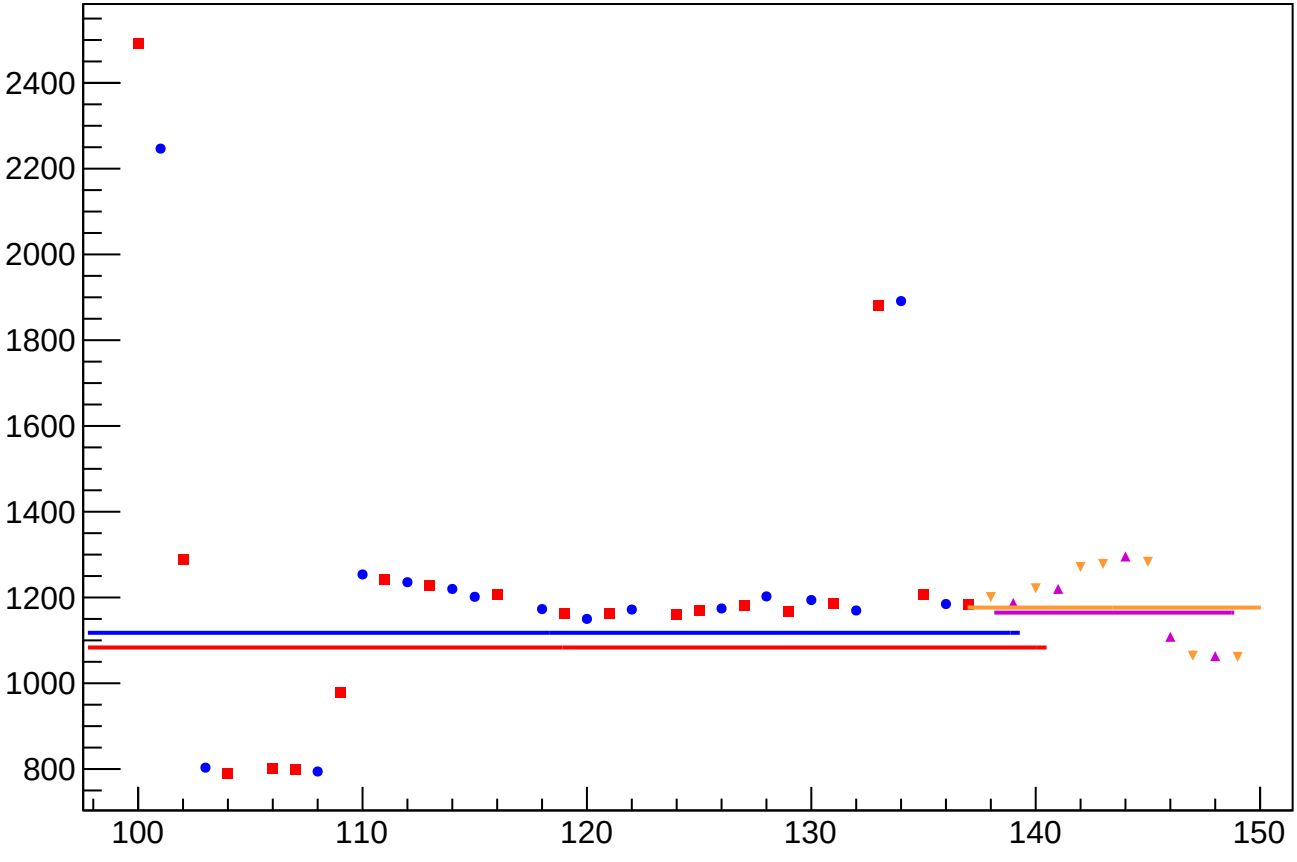
Left In: 769.331+/-558.260 χ^2/NDF:2.0/4

+ sign 29.072+/-327.592 χ^2/NDF: 32.5/22

All: 185.557+/-232.910 χ^2/NDF: 49.0/46

- 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: 1176.548+/-0.361 χ^2/NDF:67445.0/6

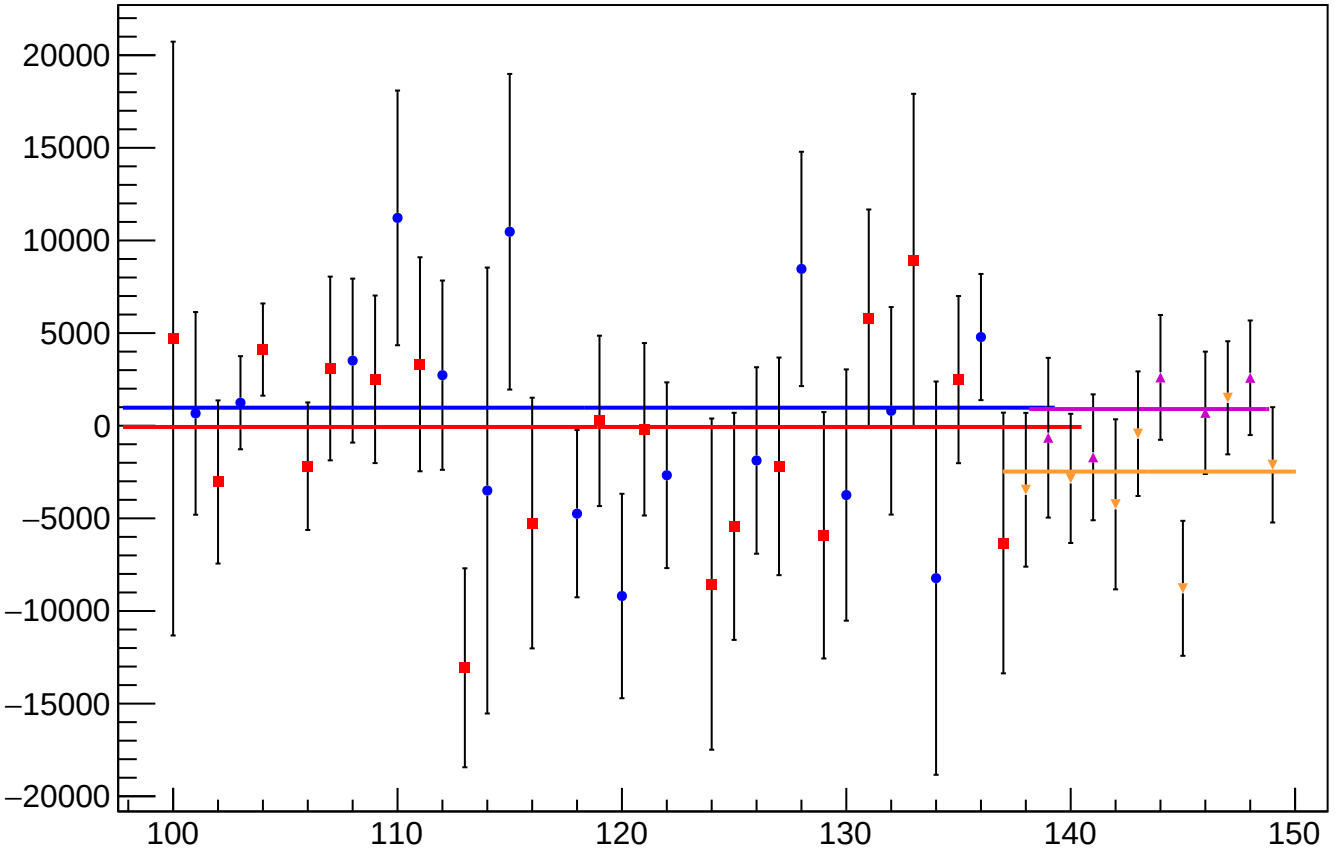
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1164.741+/-0.395 χ^2/NDF:42646.6/4

+ sign 1141.964+/-0.232 χ^2/NDF: 902925.5/22

All: 1127.114+/-0.165 χ^2/NDF: 1576425.7/46

- 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: -2475.379+/-1333.729 χ^2/NDF:5.3/6

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

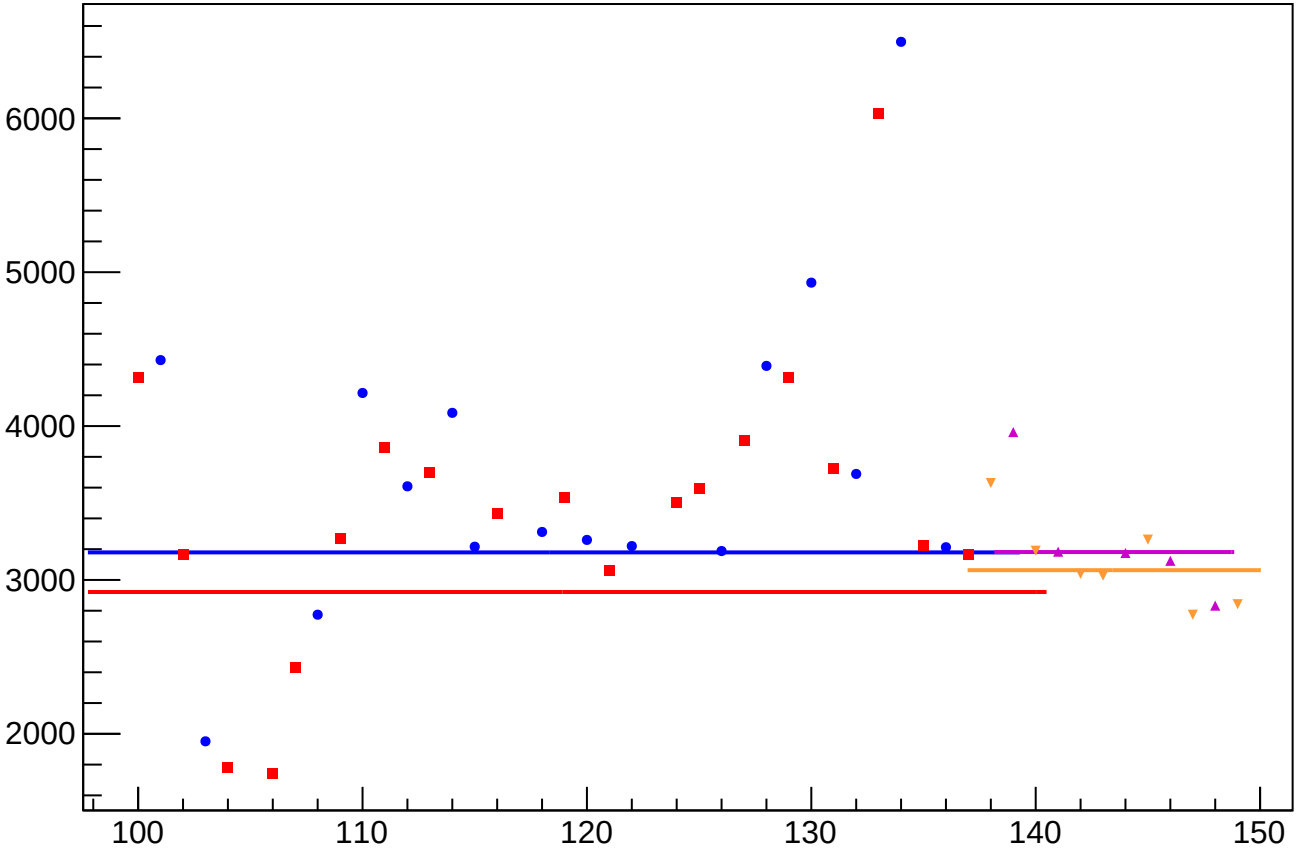
Left In: 899.302+/-1534.165 χ^2/NDF:1.3/4

+ sign -615.658+/-905.303 χ^2/NDF: 22.7/22

All: -174.134+/-643.178 χ^2/NDF: 41.7/46

- 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: 3063.473+/-0.943 χ^2/NDF:74165.6/6

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

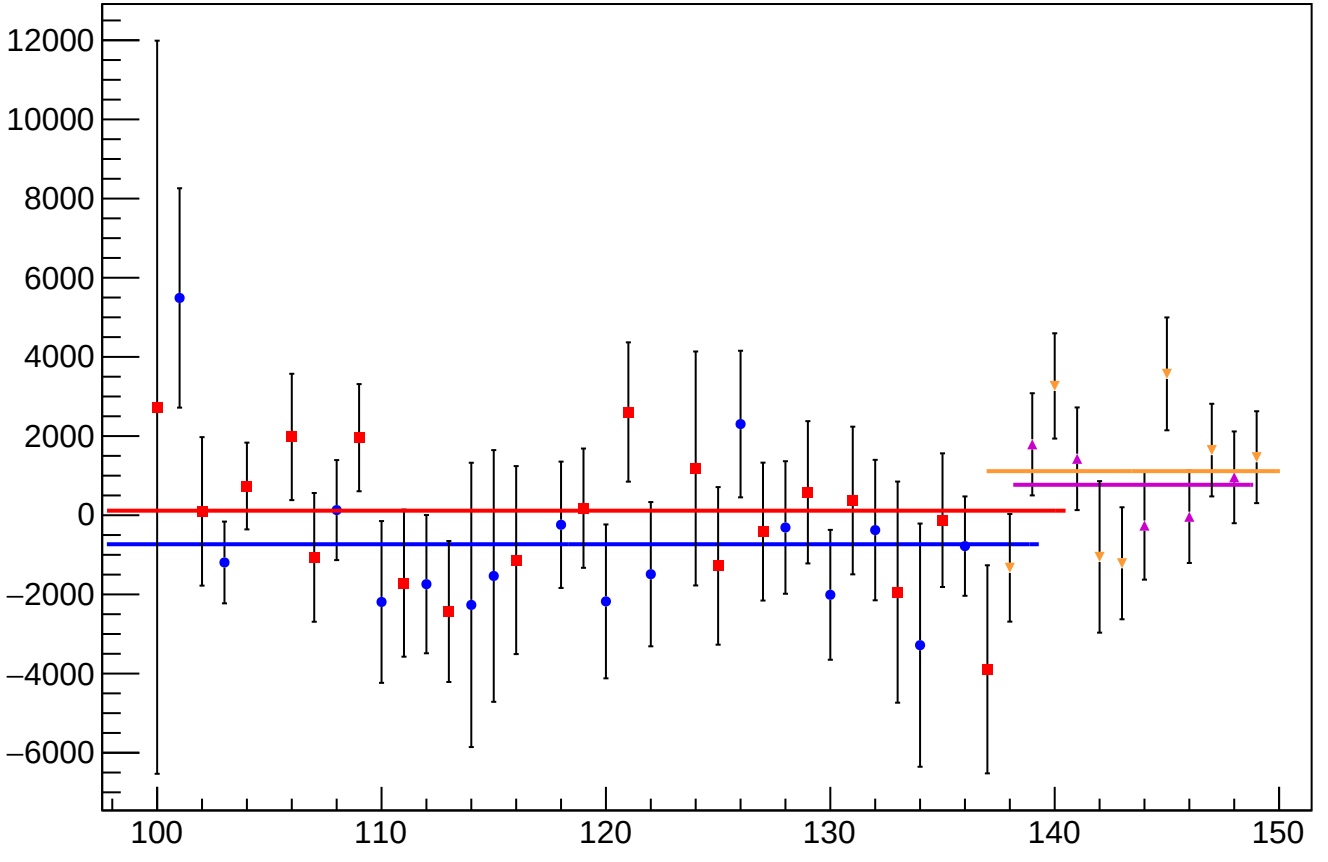
Left In: 3181.333+/-1.085 χ^2/NDF:91394.4/4

+ sign 3125.801+/-0.640 χ^2/NDF: 1173501.8/22

All: 3070.334+/-0.455 χ^2/NDF: 2629915.2/46

- 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: 1114.130+/-510.080 χ^2/NDF:13.1/6

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

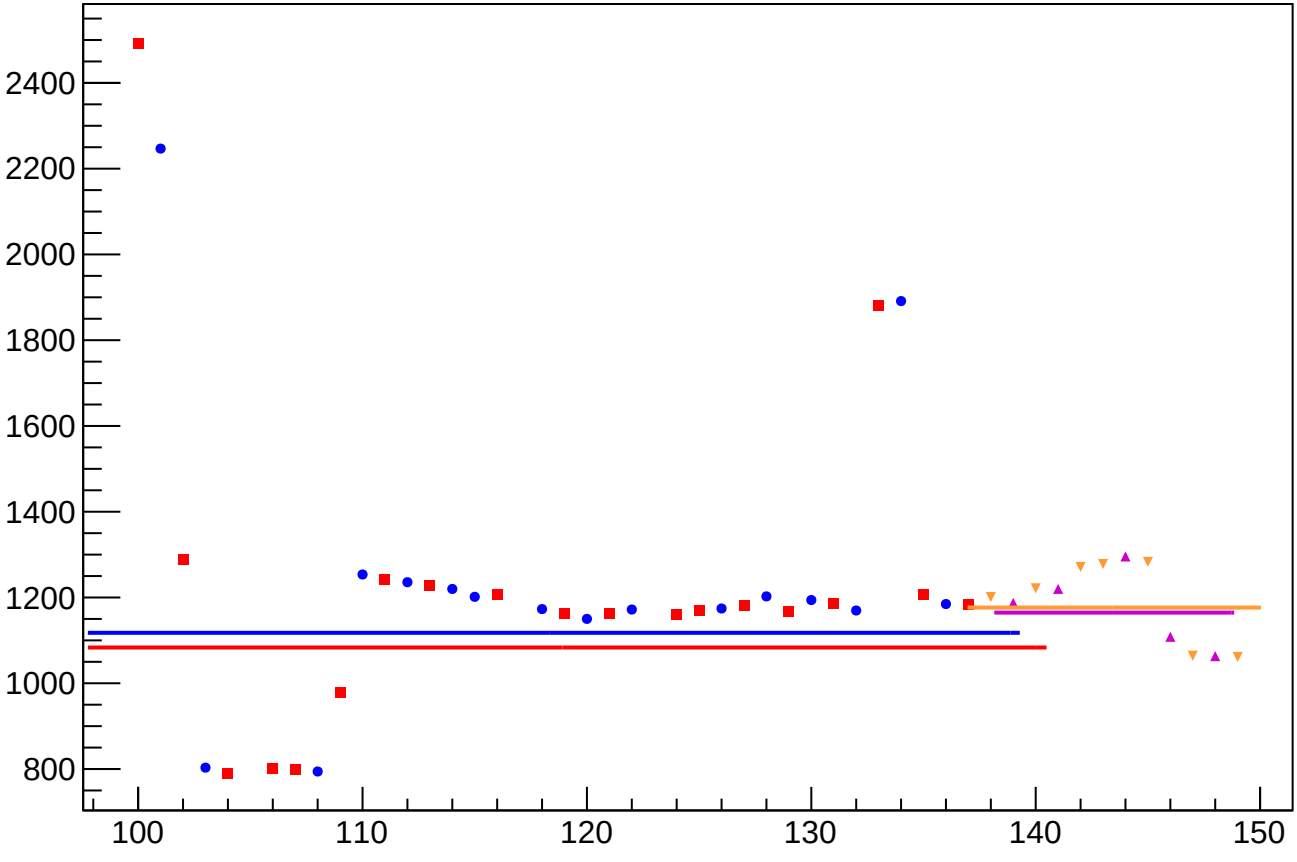
Left In: 769.331+/-558.260 χ^2/NDF:2.0/4

+ sign 29.072+/-327.592 χ^2/NDF: 32.5/22

All: 185.557+/-232.910 χ^2/NDF: 49.0/46

- 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: 1176.548+/-0.361 χ^2/NDF:67445.0/6

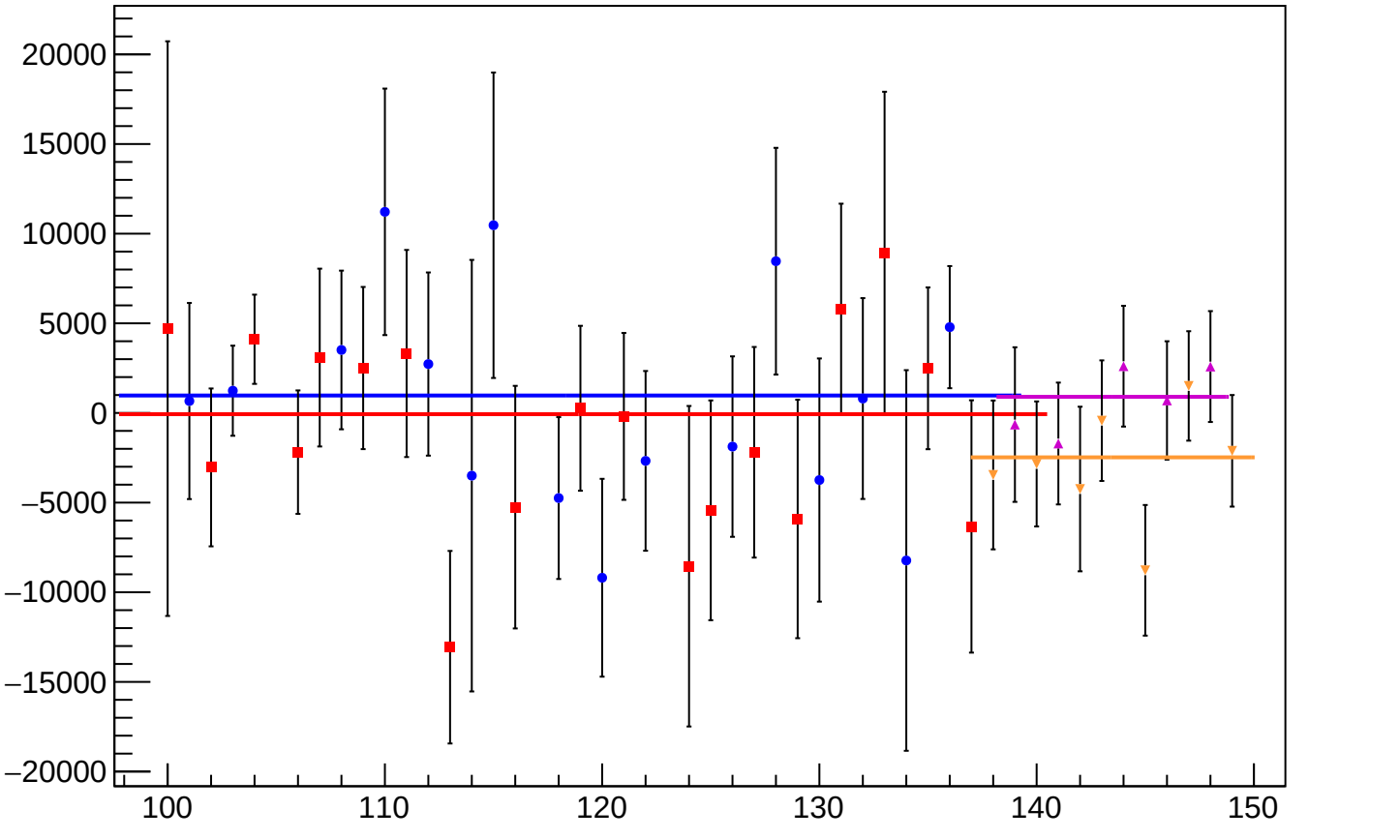
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1164.741+/-0.395 χ^2/NDF:42646.6/4

+ sign 1141.964+/-0.232 χ^2/NDF: 902925.5/22

All: 1127.114+/-0.165 χ^2/NDF: 1576425.7/46

- 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: -2475.379+/-1333.729 χ^2/NDF:5.3/6

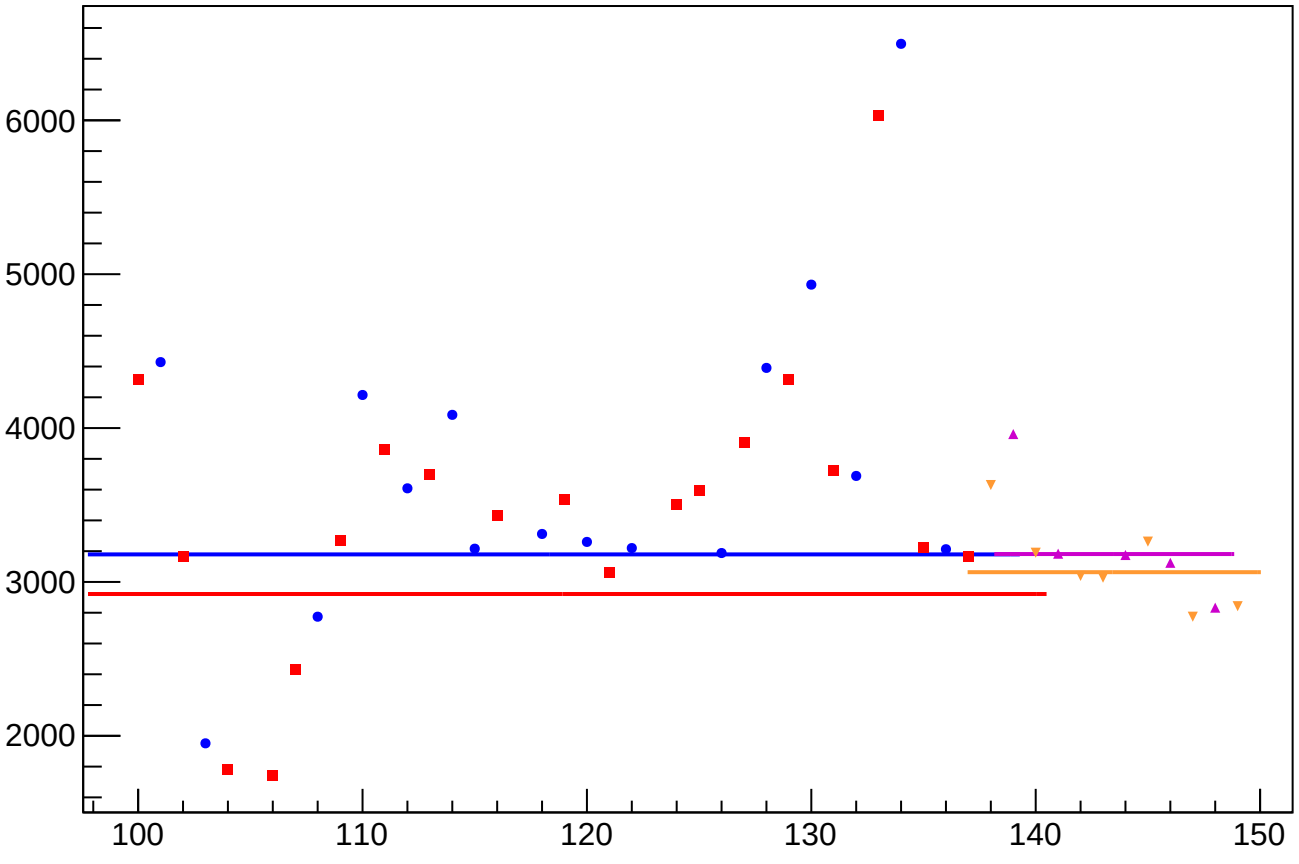
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 899.302+/-1534.165 χ^2/NDF:1.3/4

+ sign -615.658+/-905.303 χ^2/NDF: 22.7/22

All: -174.134+/-643.178 χ^2/NDF: 41.7/46

- sign 275.857+/-913.941 χ^2/NDF: 18.5/23


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug
6000
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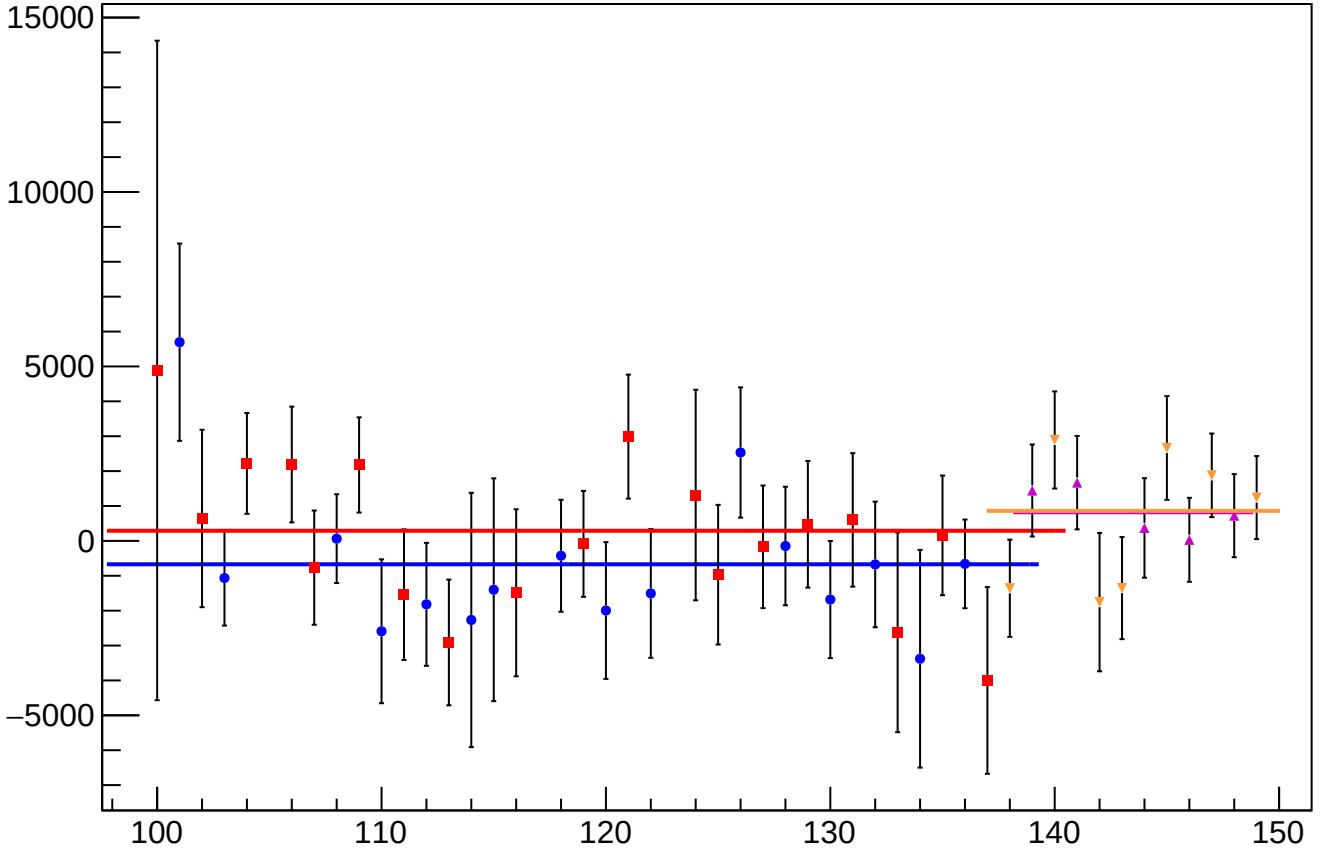
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3063.473+/-0.943 χ²/NDF:74165.6/6
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3181.333+/-1.085 χ²/NDF:91394.4/4
+ sign 3125.801+/-0.640 χ²/NDF: 1173501.8/22
All: 3070.334+/-0.455 χ²/NDF: 2629915.2/46
- sign 3013.803+/-0.646 χ²/NDF: 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: 860.501+/-526.505 χ^2/NDF:11.0/6

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

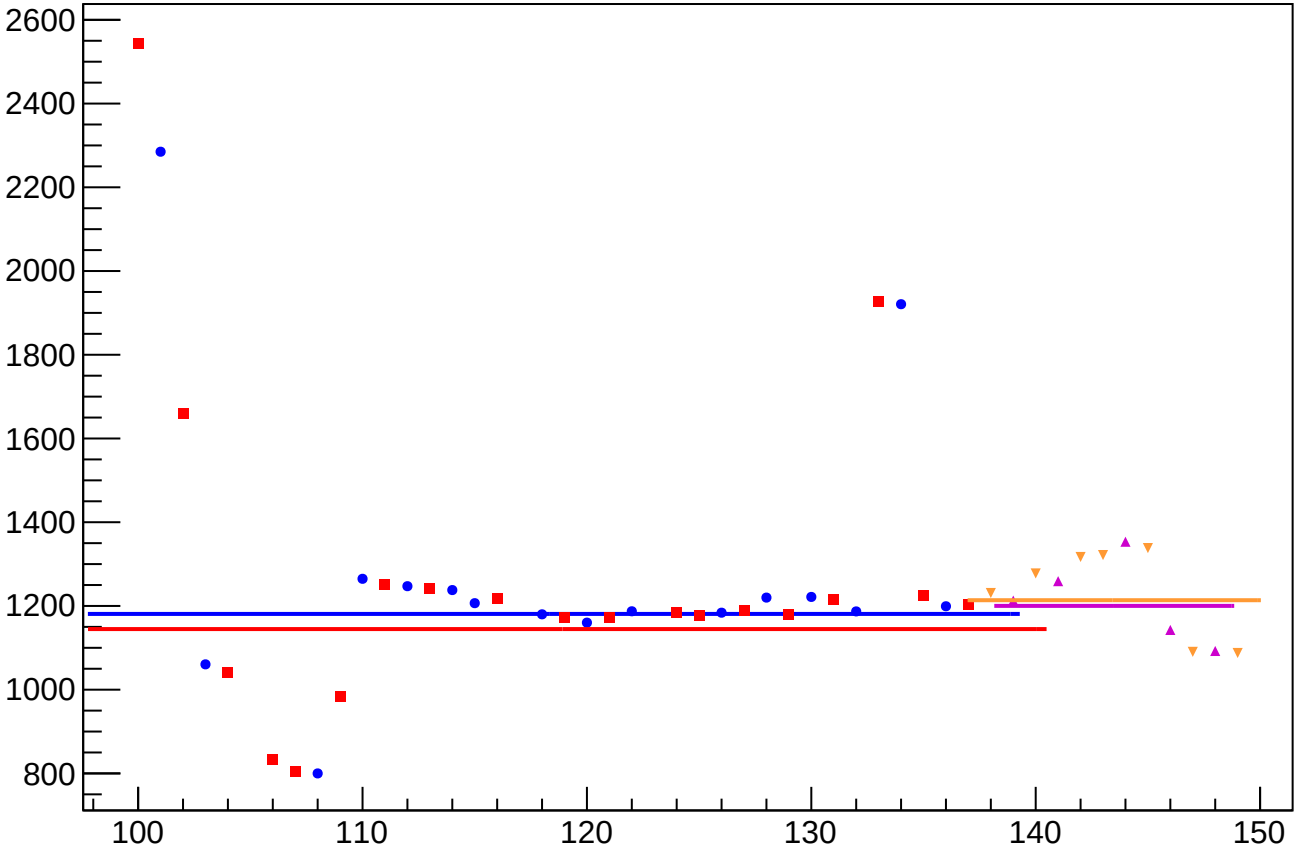
Left In: 819.769+/-575.479 χ^2/NDF:1.2/4

+ sign -26.893+/-341.419 χ^2/NDF: 27.8/22

All: 223.880+/-243.274 χ^2/NDF: 47.5/46

- 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: 1213.694+/-0.372 χ^2/NDF:78482.8/6

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

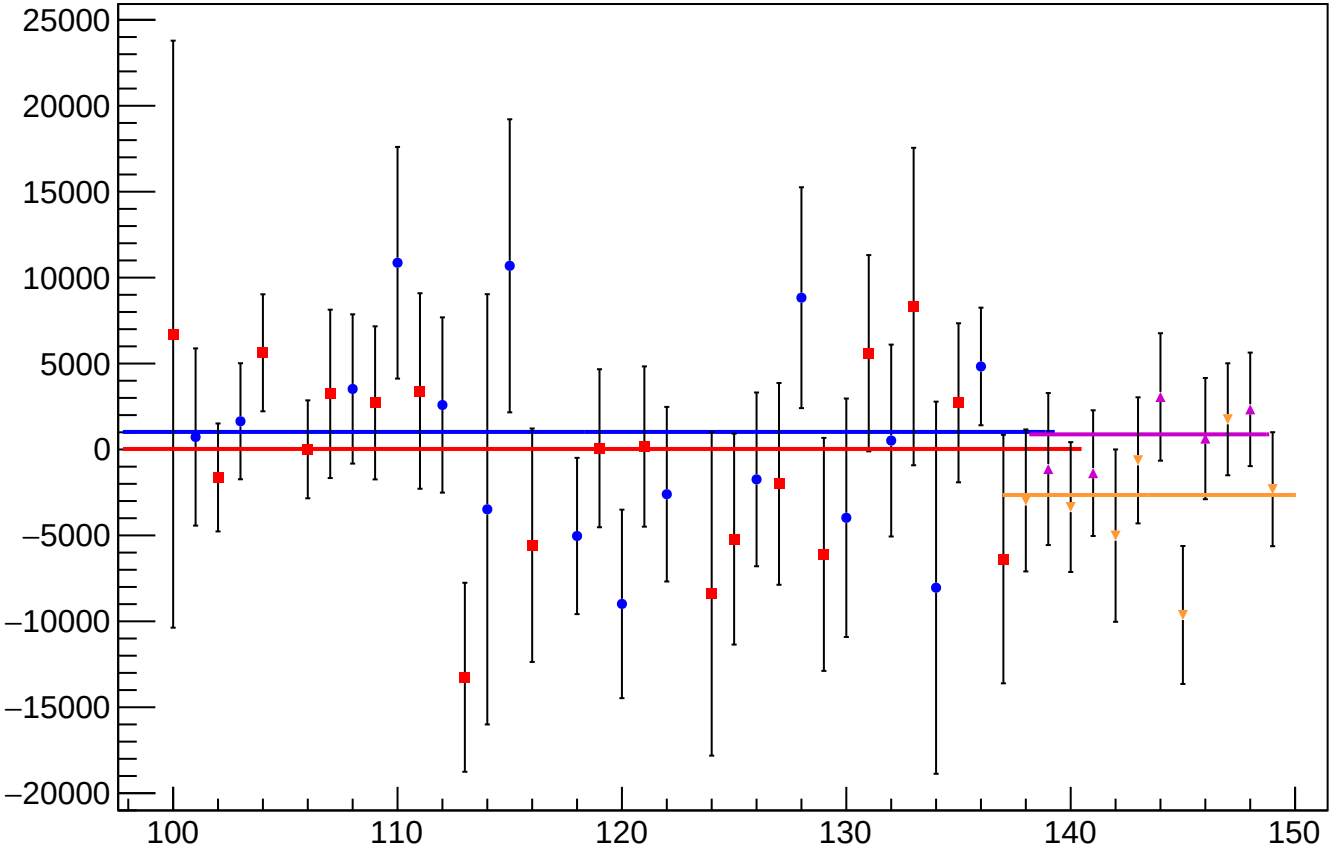
Left In: 1200.177+/-0.407 χ^2/NDF:48054.5/4

+ sign 1194.722+/-0.241 χ^2/NDF: 704842.5/22

All: 1180.024+/-0.172 χ^2/NDF: 1269964.9/46

- 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: -2647.946+/-1428.588 χ^2/NDF:5.4/6

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

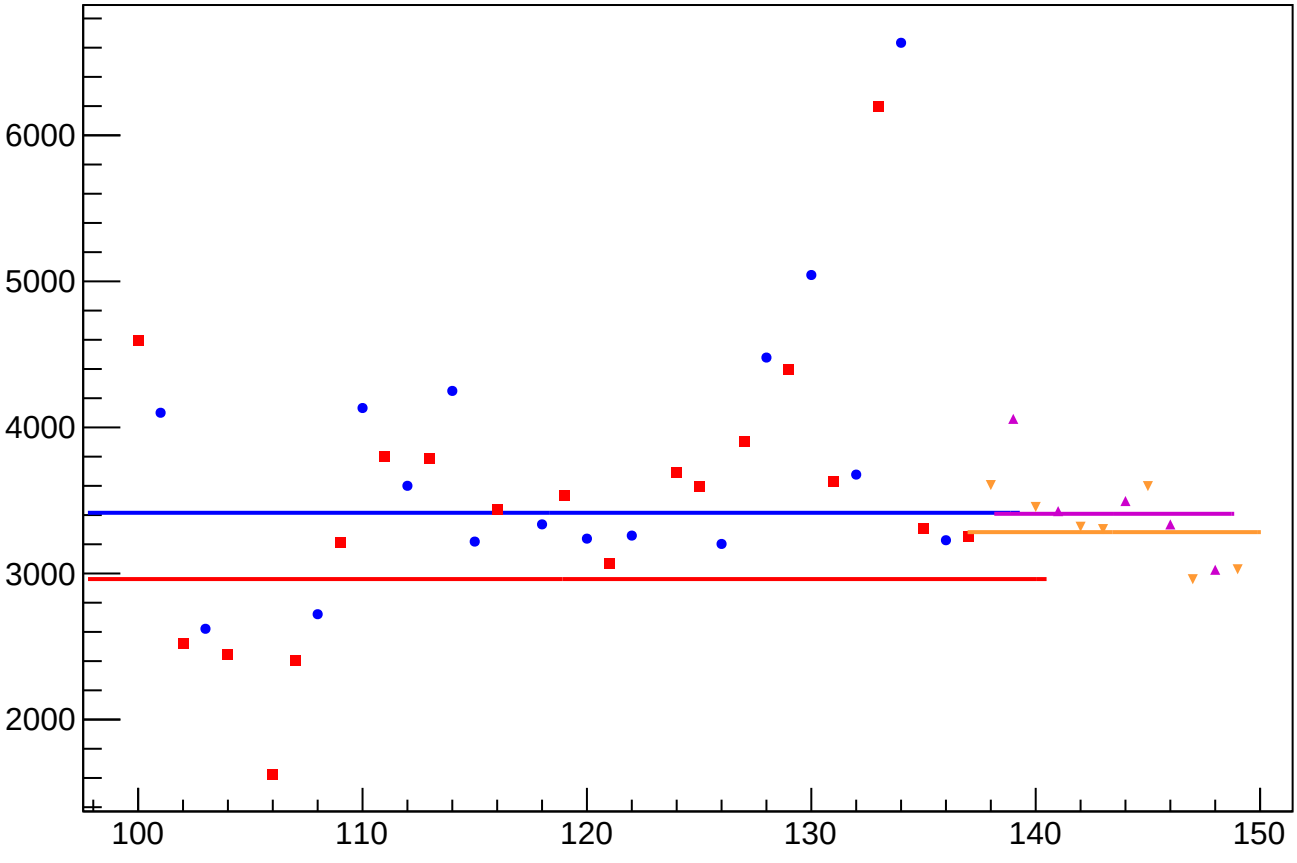
Left In: 879.652+/-1642.425 χ^2/NDF:1.1/4

+ sign -644.324+/-962.474 χ^2/NDF: 22.9/22

All: -154.944+/-669.301 χ^2/NDF: 40.9/46

- 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: 3283.146+/-1.010 χ^2/NDF:60167.8/6

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

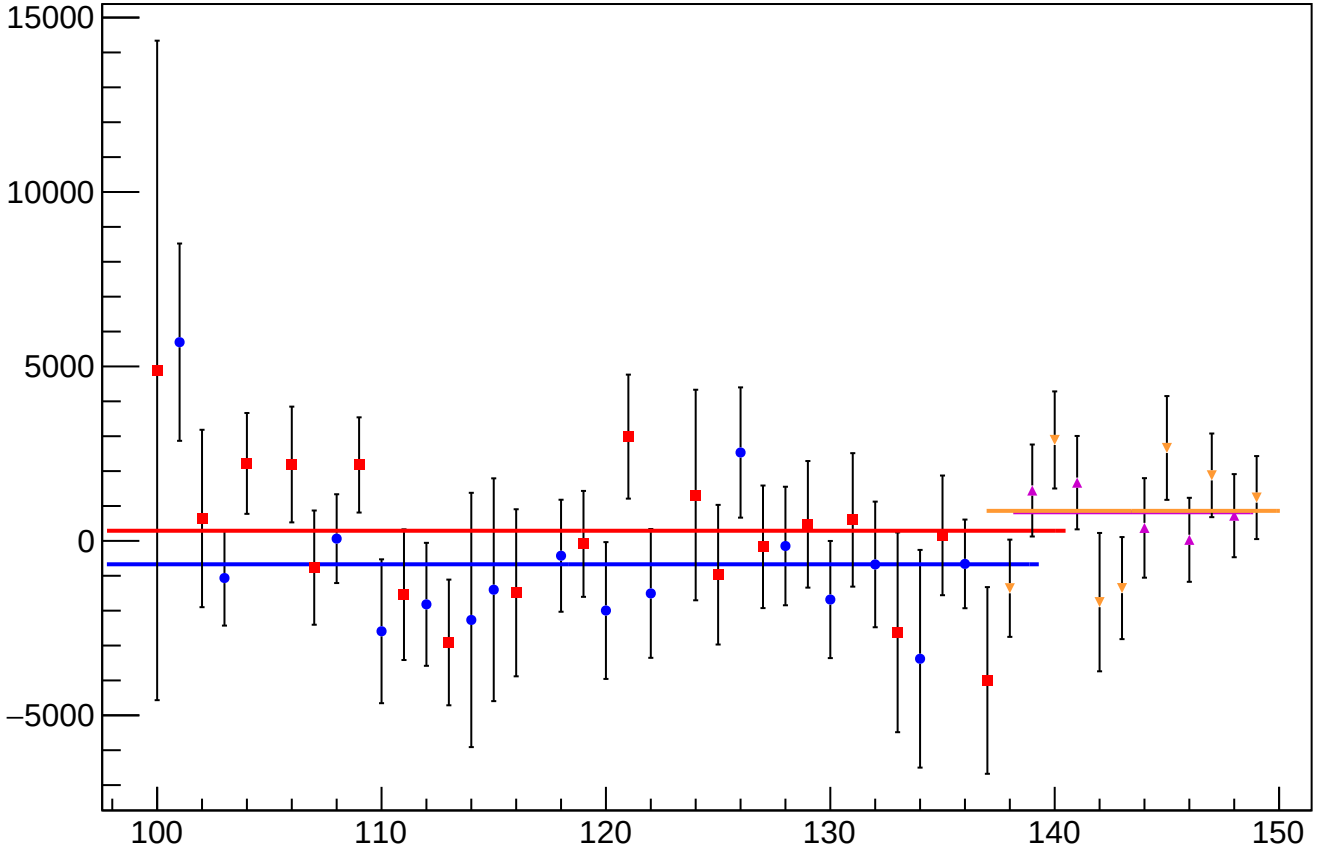
Left In: 3408.664+/-1.161 χ^2/NDF:72123.5/4

+ sign 3355.476+/-0.681 χ^2/NDF: 661899.9/22

All: 3226.379+/-0.473 χ^2/NDF: 2073399.3/46

- 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: 860.500+/-526.505 χ^2/NDF:11.0/6

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

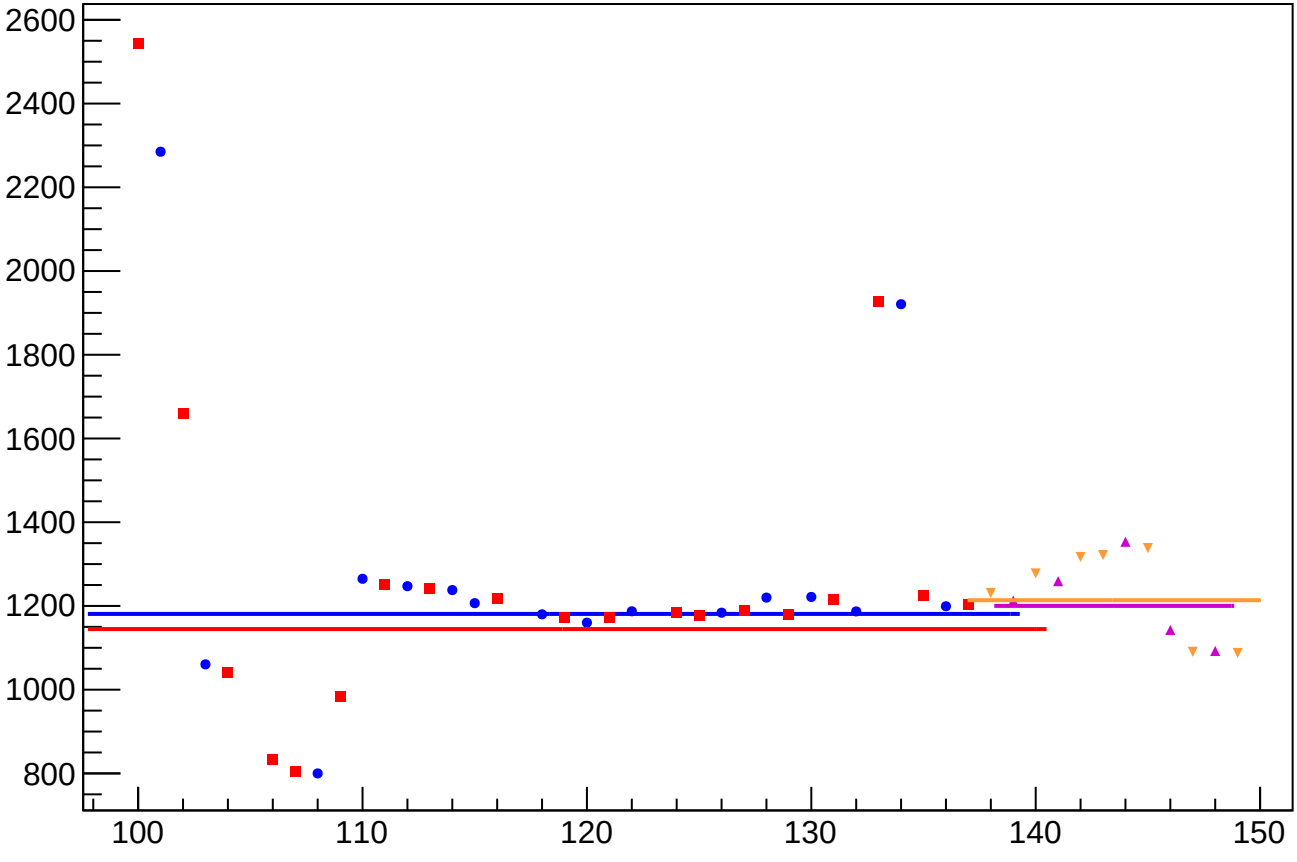
Left In: 819.765+/-575.479 χ^2/NDF:1.2/4

+ sign -26.896+/-341.419 χ^2/NDF: 27.8/22

All: 223.879+/-243.274 χ^2/NDF: 47.5/46

- 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: 1213.694+/-0.372 χ^2/NDF:78482.6/6

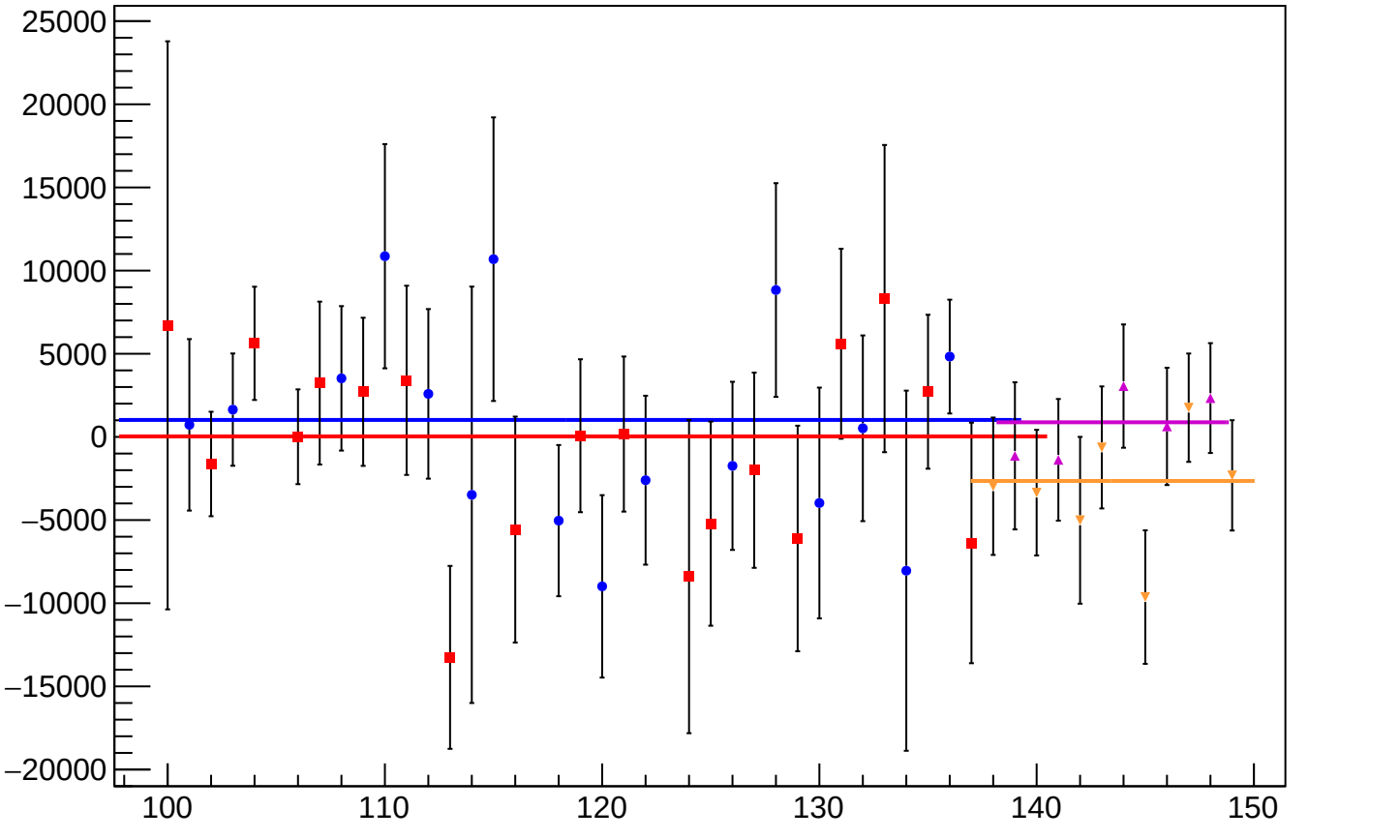
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1200.178+/-0.407 χ^2/NDF:48054.0/4

+ sign 1194.722+/-0.241 χ^2/NDF: 704842.9/22

All: 1180.025+/-0.172 χ^2/NDF: 1269964.5/46

- 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: -2647.949+/-1428.590 χ^2/NDF:5.4/6

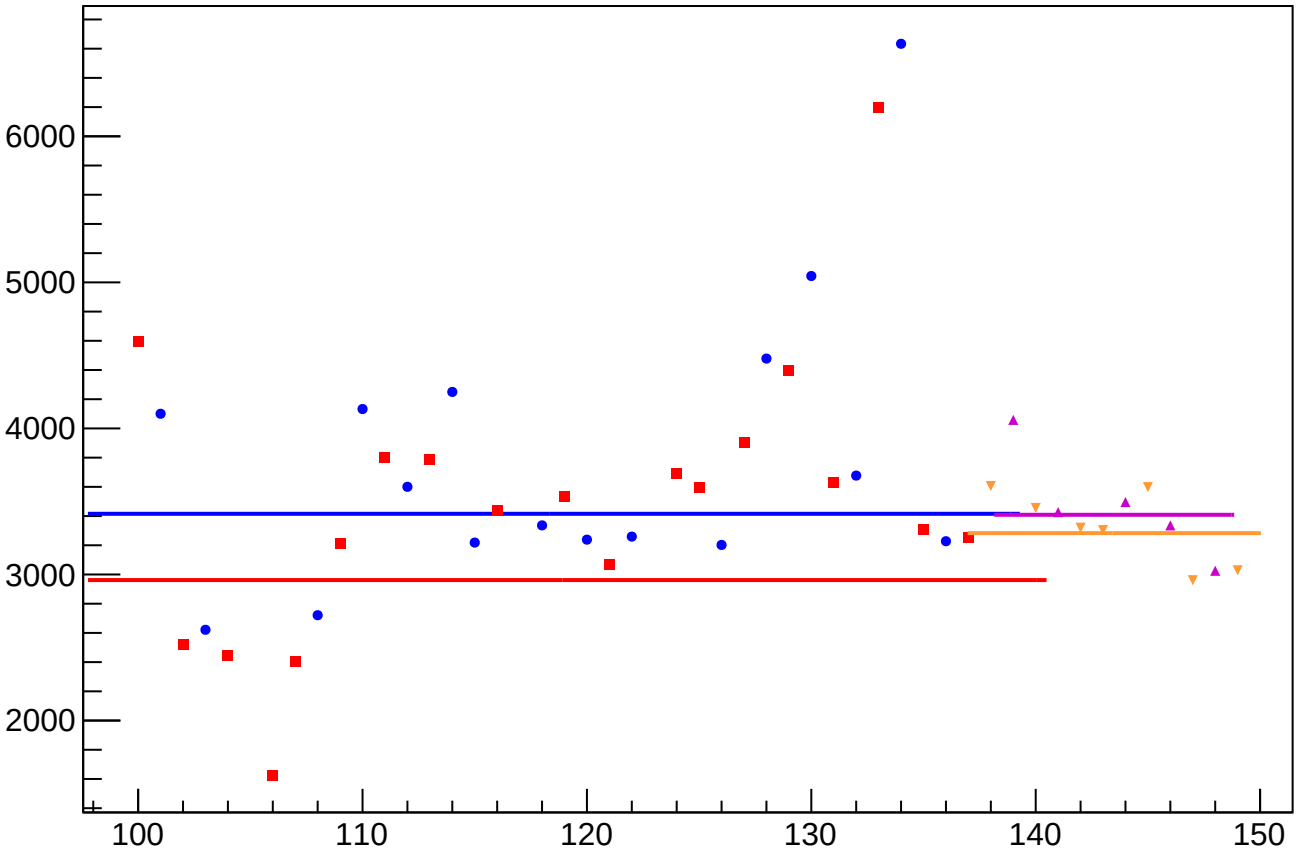
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 879.645+/-1642.427 χ^2/NDF:1.1/4

+ sign -644.331+/-962.474 χ^2/NDF: 22.9/22

All: -154.947+/-669.301 χ^2/NDF: 40.9/46

- sign 303.309+/-931.361 χ^2/NDF: 17.5/23



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3283.150+/-1.010 χ^2/NDF:60167.3/6

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

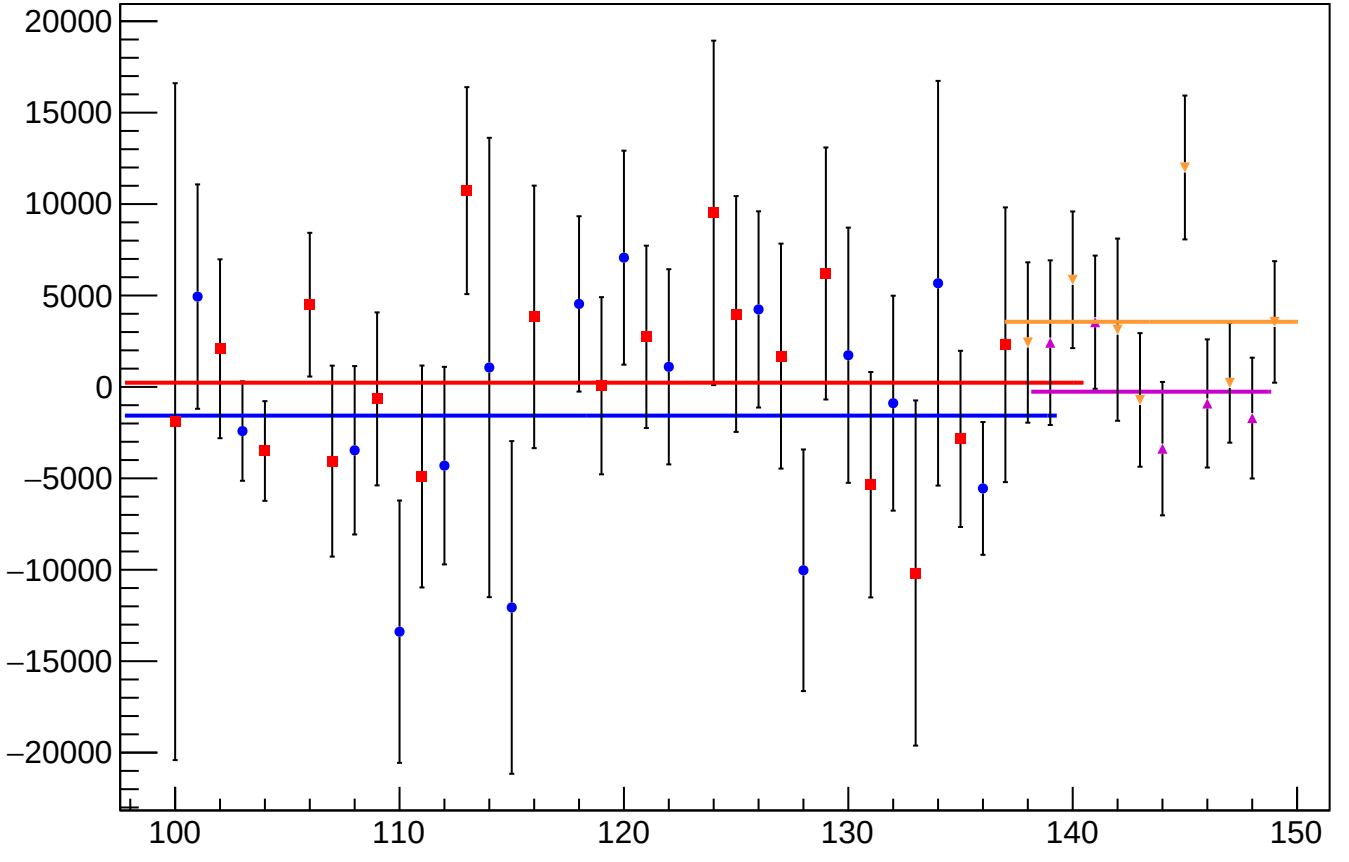
Left In: 3408.668+/-1.161 χ^2/NDF:72123.2/4

+ sign 3355.476+/-0.681 χ^2/NDF: 661893.4/22

All: 3226.378+/-0.473 χ^2/NDF: 2073397.7/46

- 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: 3562.790+/-1432.280 χ^2/NDF:7.5/6

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

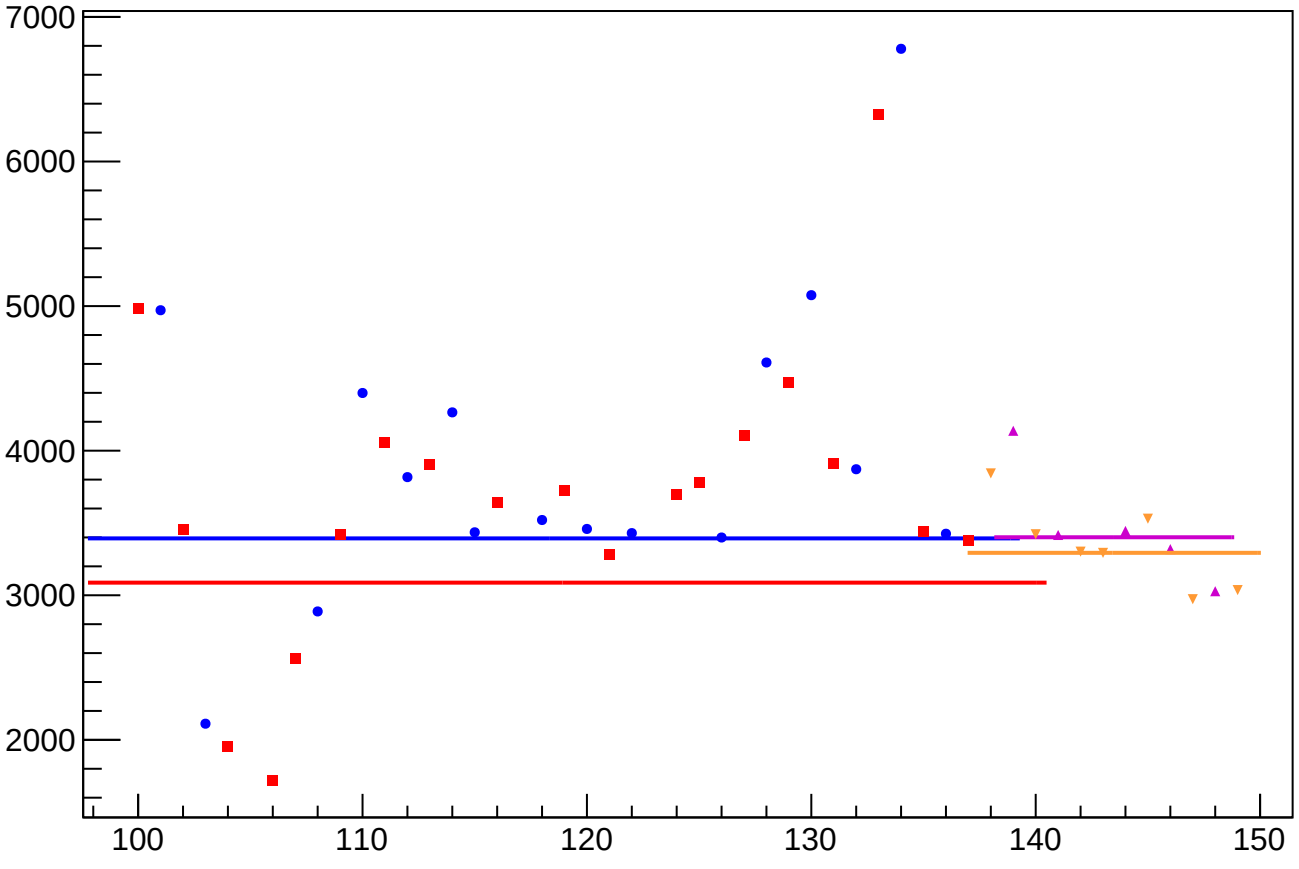
Left In: -261.213+/-1637.833 χ^2/NDF:2.4/4

\+ sign 773.782+/-967.832 χ^2/NDF: 28.9/22

All: 418.927+/-688.837 χ^2/NDF: 44.9/46

\- 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: 3293.511+/-1.013 χ^2/NDF:72229.2/6

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

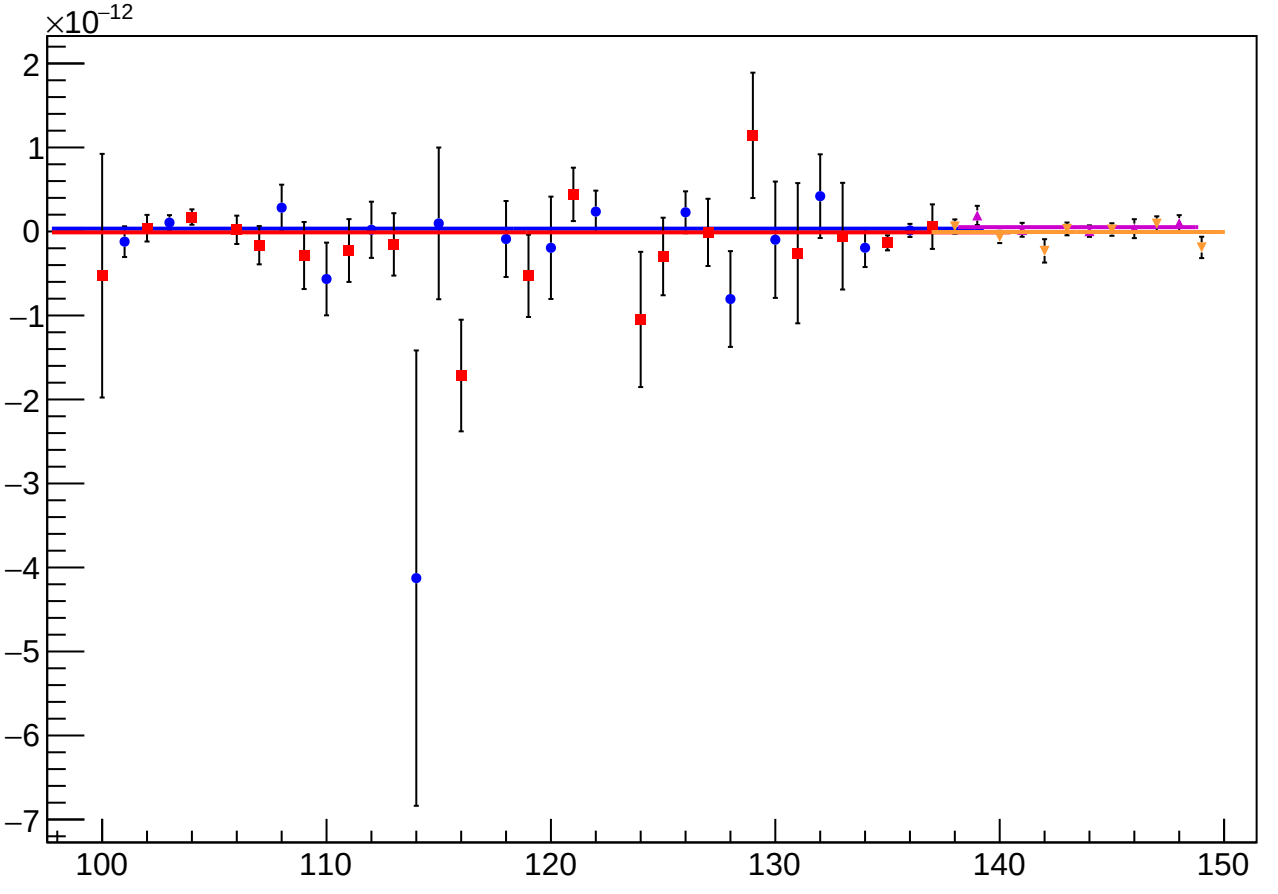
Left In: 3401.192+/-1.158 χ^2/NDF:80436.9/4

+ sign 3347.771+/-0.684 χ^2/NDF: 1126219.0/22

All: 3272.753+/-0.484 χ^2/NDF: 2606789.6/46

- 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:7.6/6

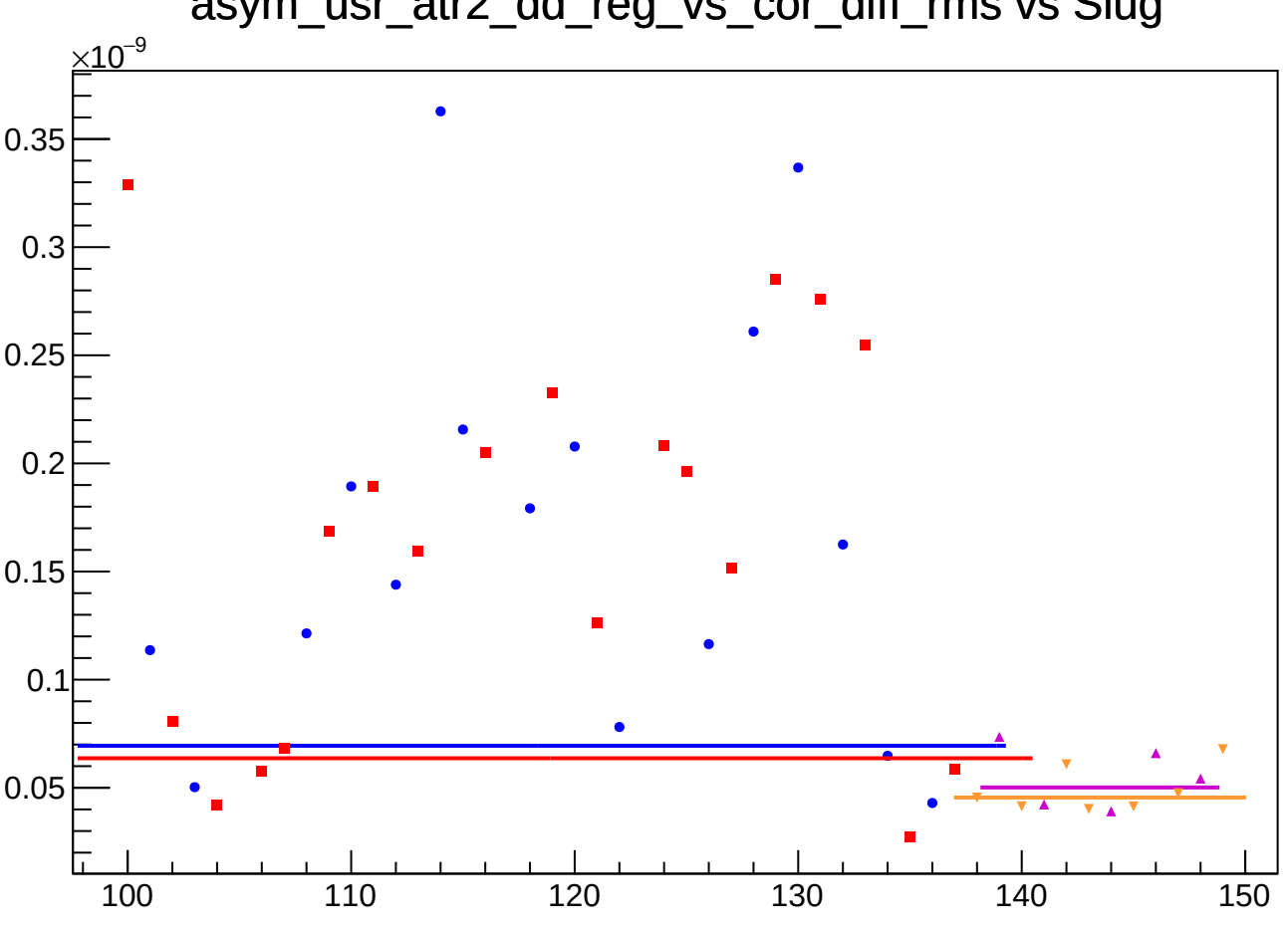
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 19.9/22

All: 0.000+/-0.000 χ^2/NDF: 45.4/46

- 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:109239.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

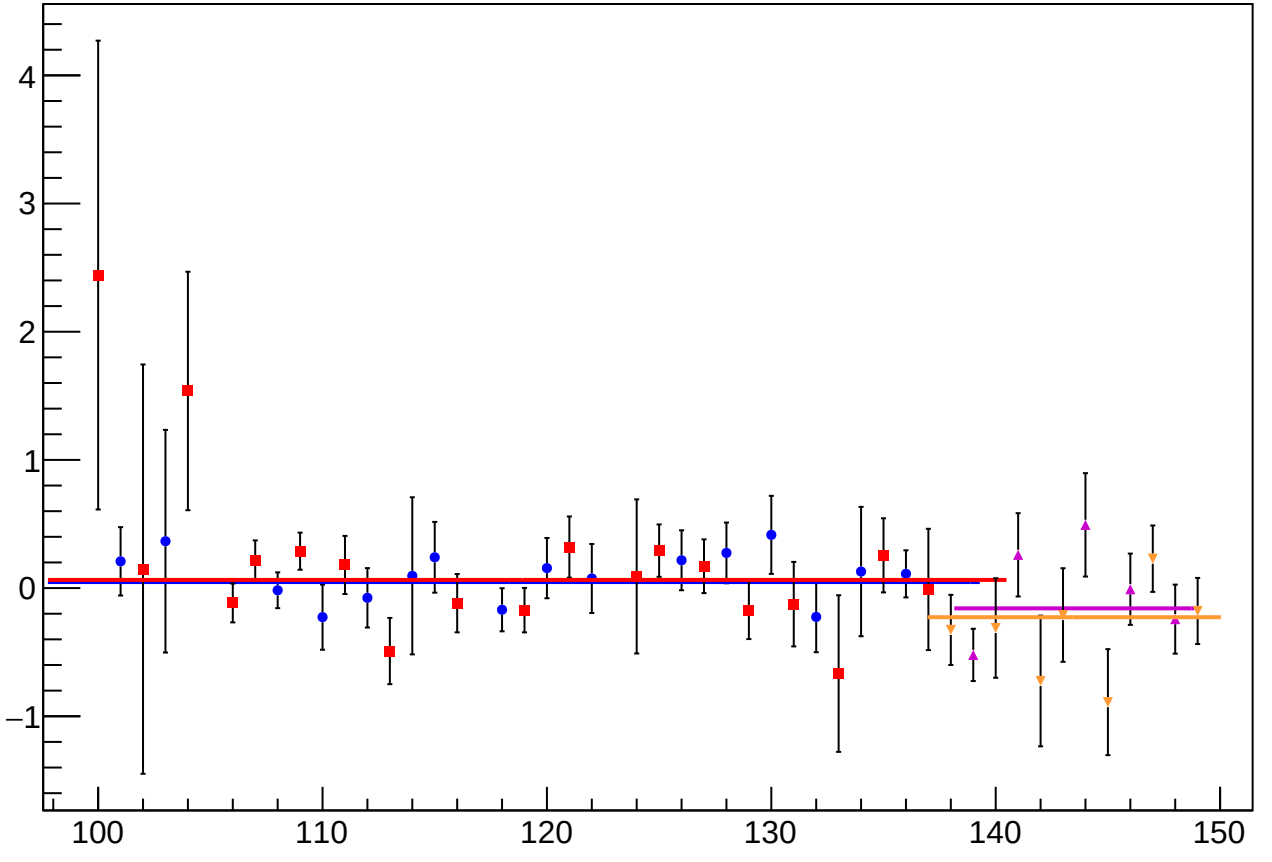
Left In: 0.000+/-0.000 χ^2/NDF:197540.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 2168492.6/22

All: 0.000+/-0.000 χ^2/NDF: 4713869.3/46

- 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: -0.227+/-0.122 χ^2/NDF:6.8/6

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

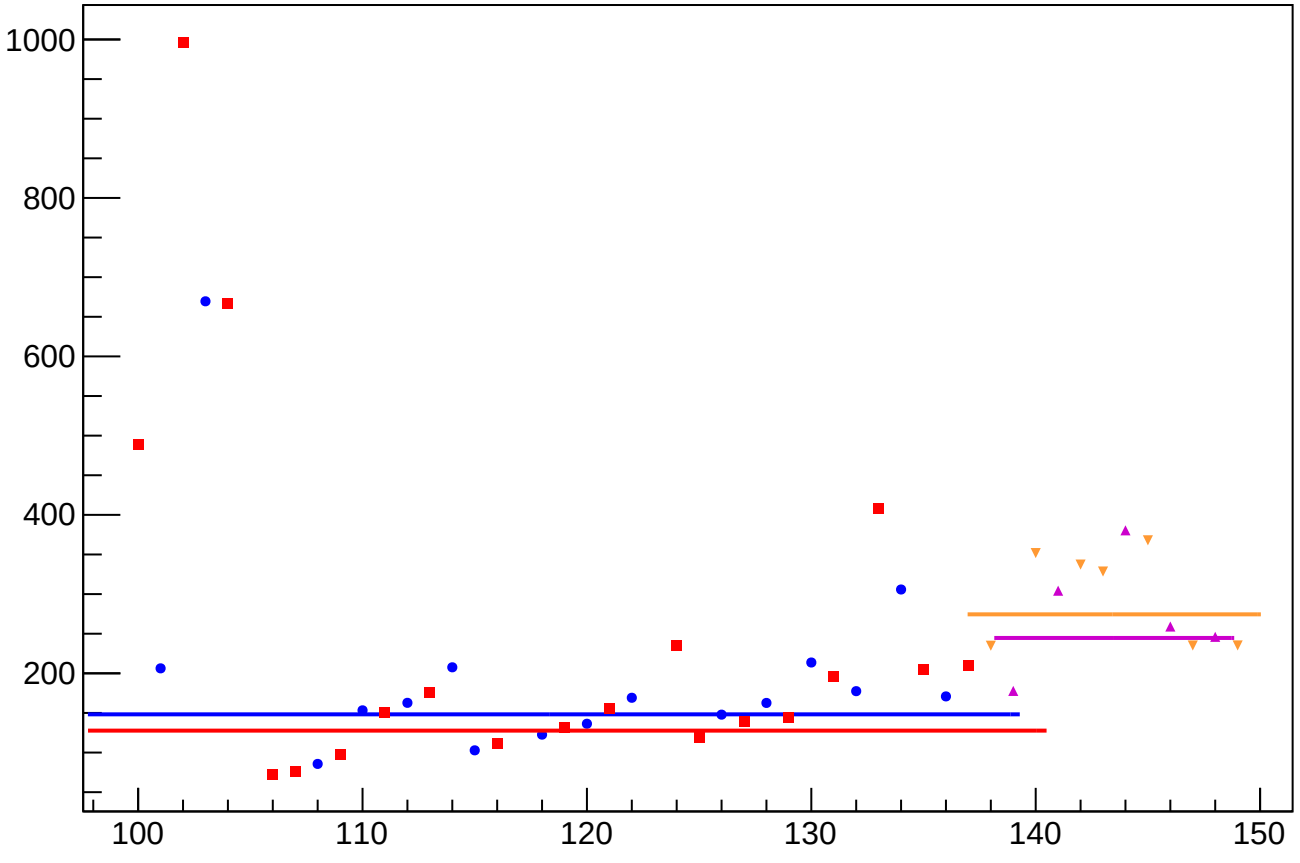
Left In: -0.158+/-0.123 χ^2/NDF:7.8/4

+ sign -0.006+/-0.054 χ^2/NDF: 19.5/22

All: 0.012+/-0.037 χ^2/NDF: 52.5/46

- 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: 274.446+/-0.086 χ^2/NDF:389969.3/6

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

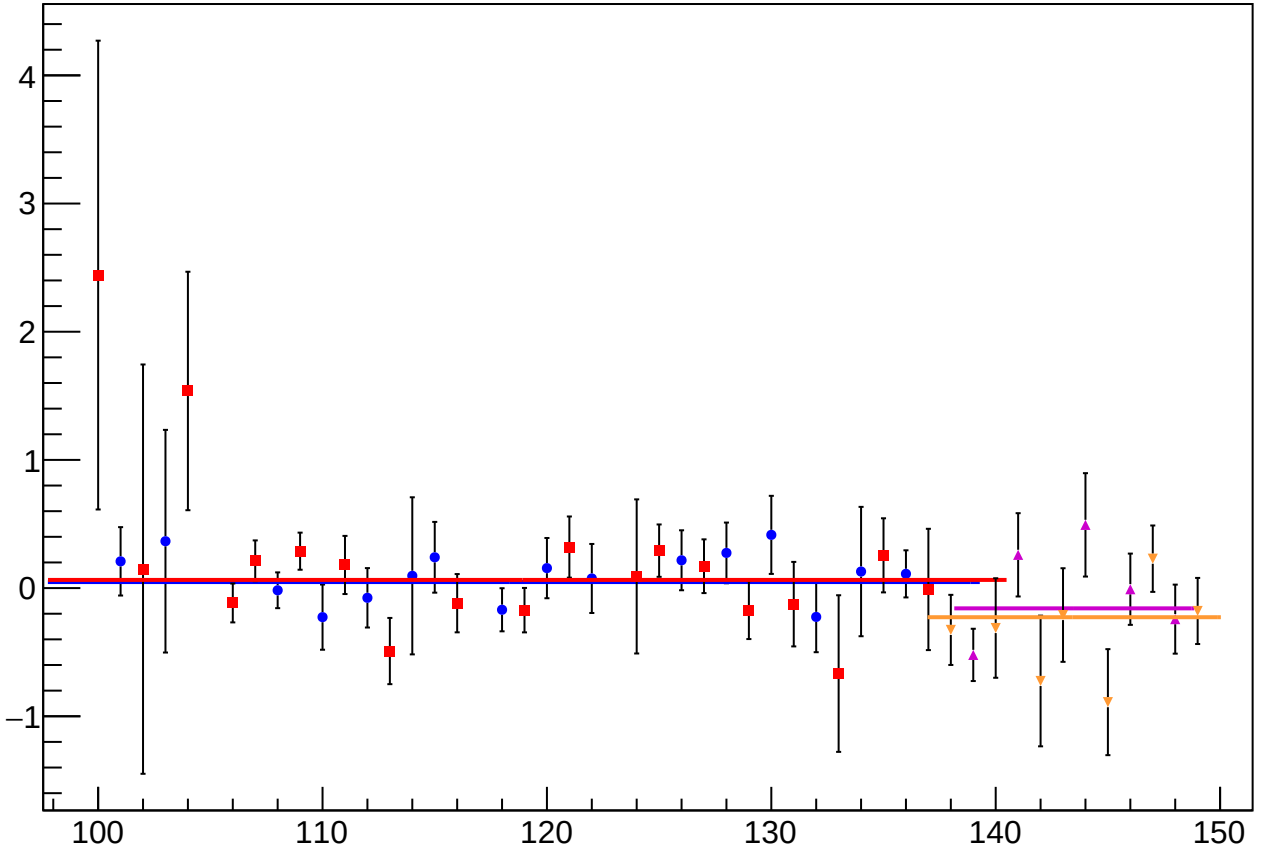
Left In: 244.644+/-0.087 χ^2/NDF:514474.5/4

+ sign 172.830+/-0.038 χ^2/NDF: 3822421.6/22

All: 158.966+/-0.026 χ^2/NDF: 8940771.5/46

- 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: -0.227+/-0.122 χ^2/NDF:6.8/6

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

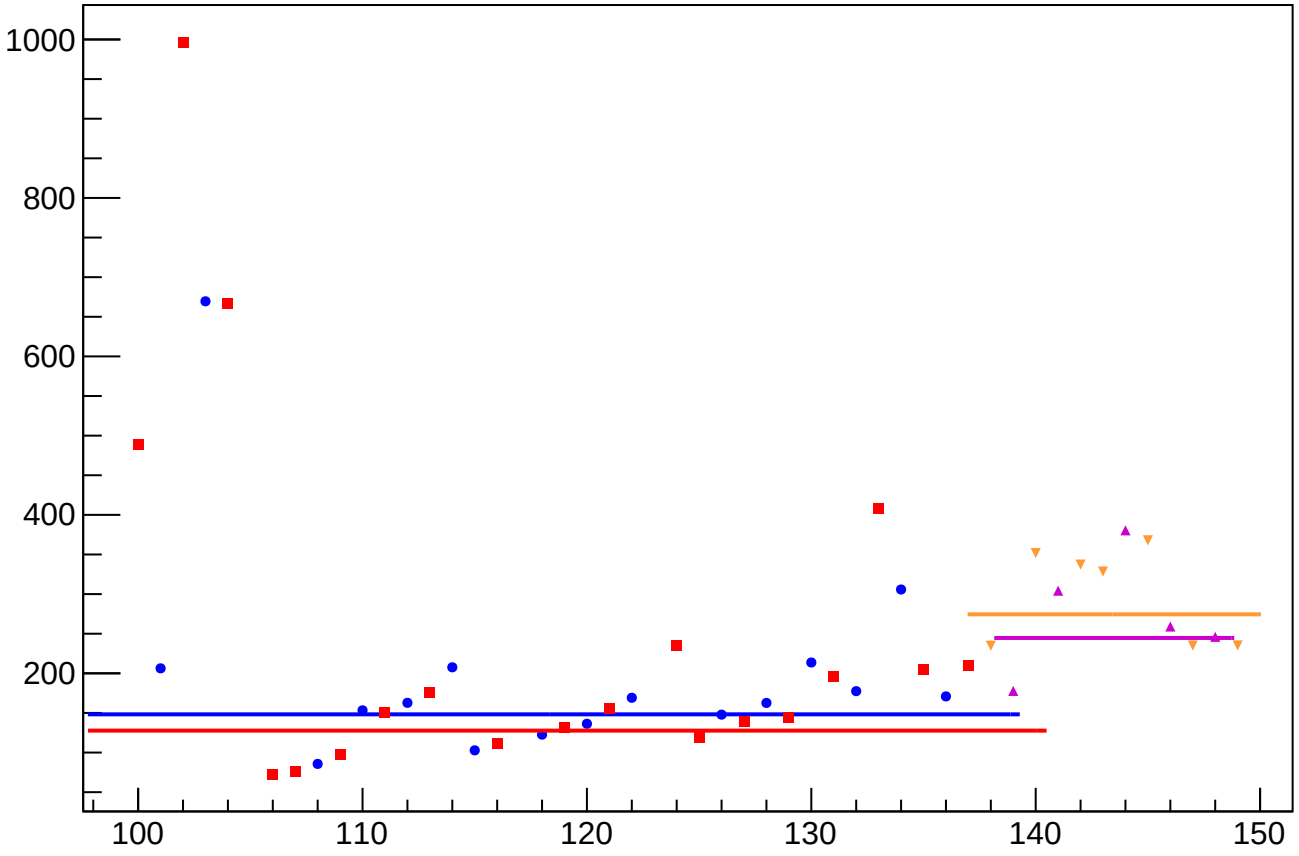
Left In: -0.158+/-0.123 χ^2/NDF:7.8/4

+ sign -0.006+/-0.054 χ^2/NDF: 19.5/22

All: 0.012+/-0.037 χ^2/NDF: 52.5/46

- 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: 274.446+/-0.086 χ^2/NDF:389969.3/6

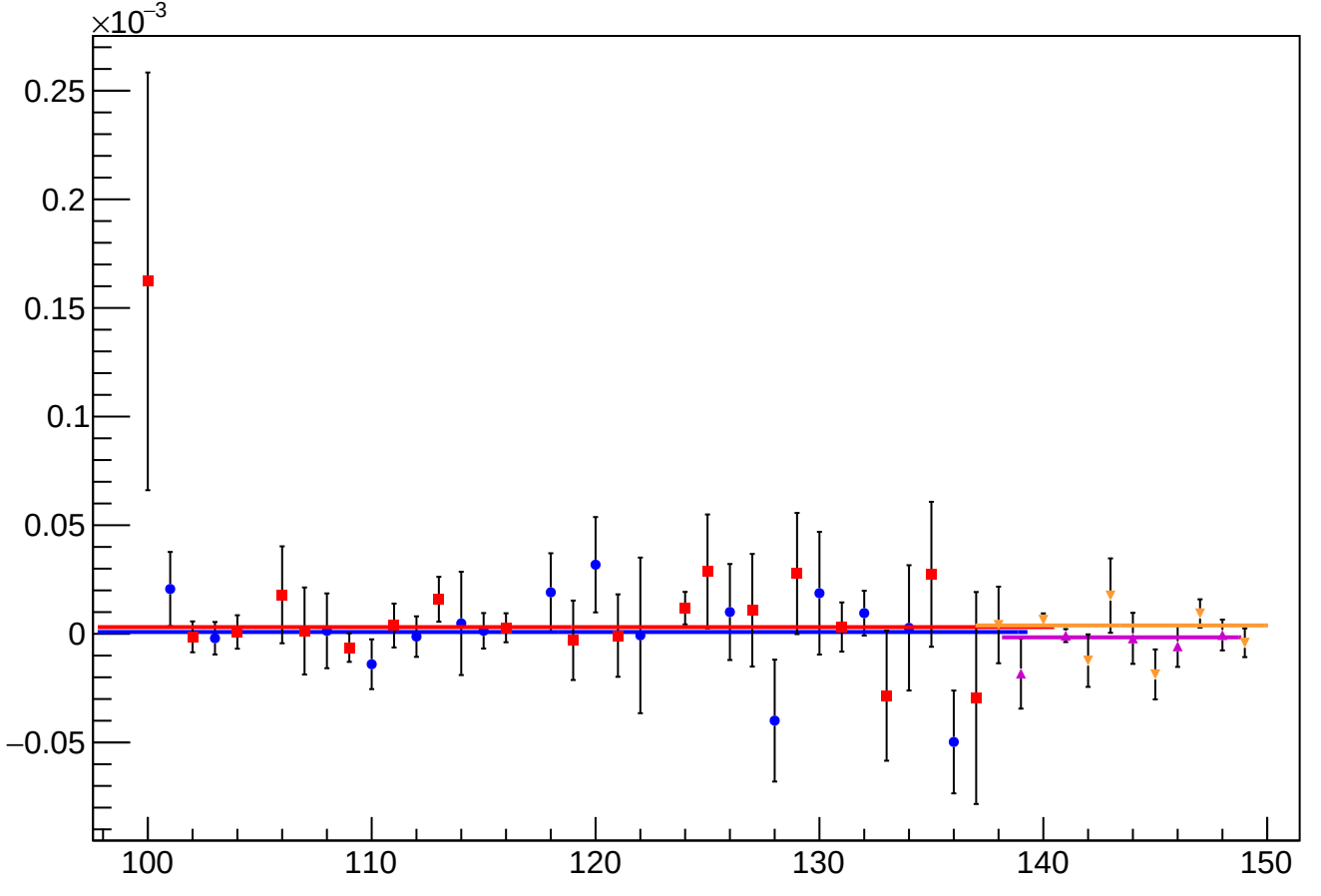
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 244.644+/-0.087 χ^2/NDF:514474.5/4

+ sign 172.830+/-0.038 χ^2/NDF: 3822421.6/22

All: 158.966+/-0.026 χ^2/NDF: 8940771.5/46

- 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:9.2/6

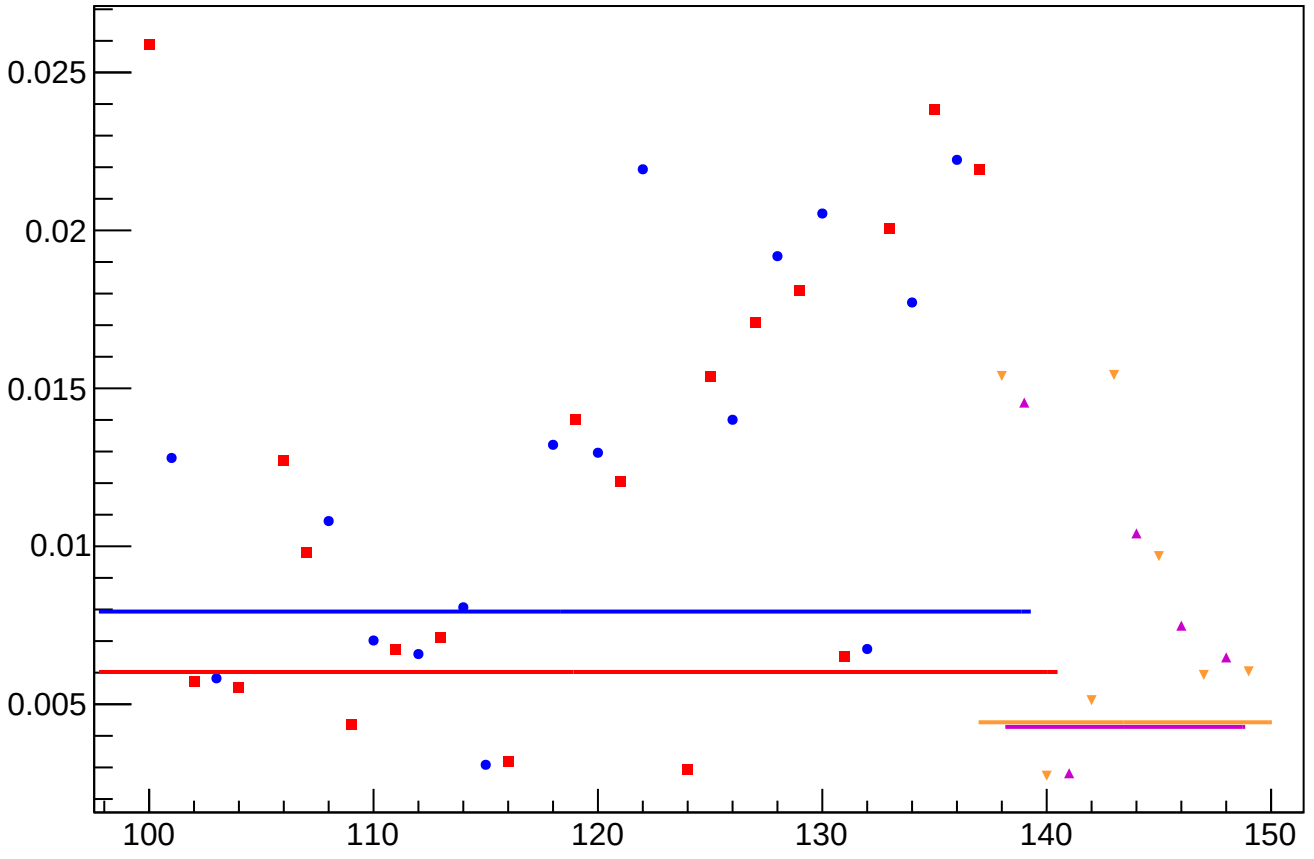
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 24.0/22

All: 0.000+/-0.000 χ^2/NDF: 40.3/46

- 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:2888191.7/6

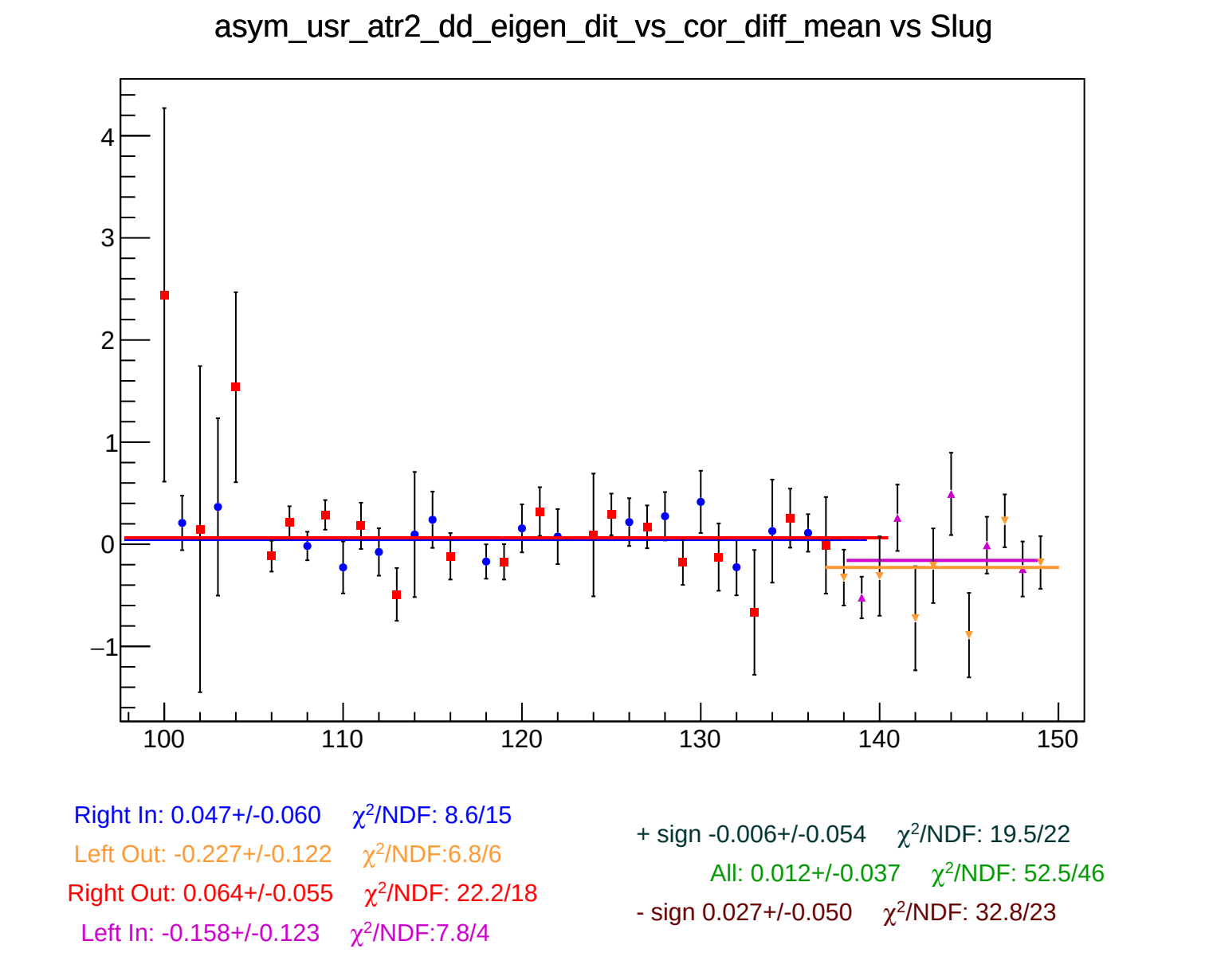
Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.004+/-0.000 χ^2/NDF:2249069.4/4

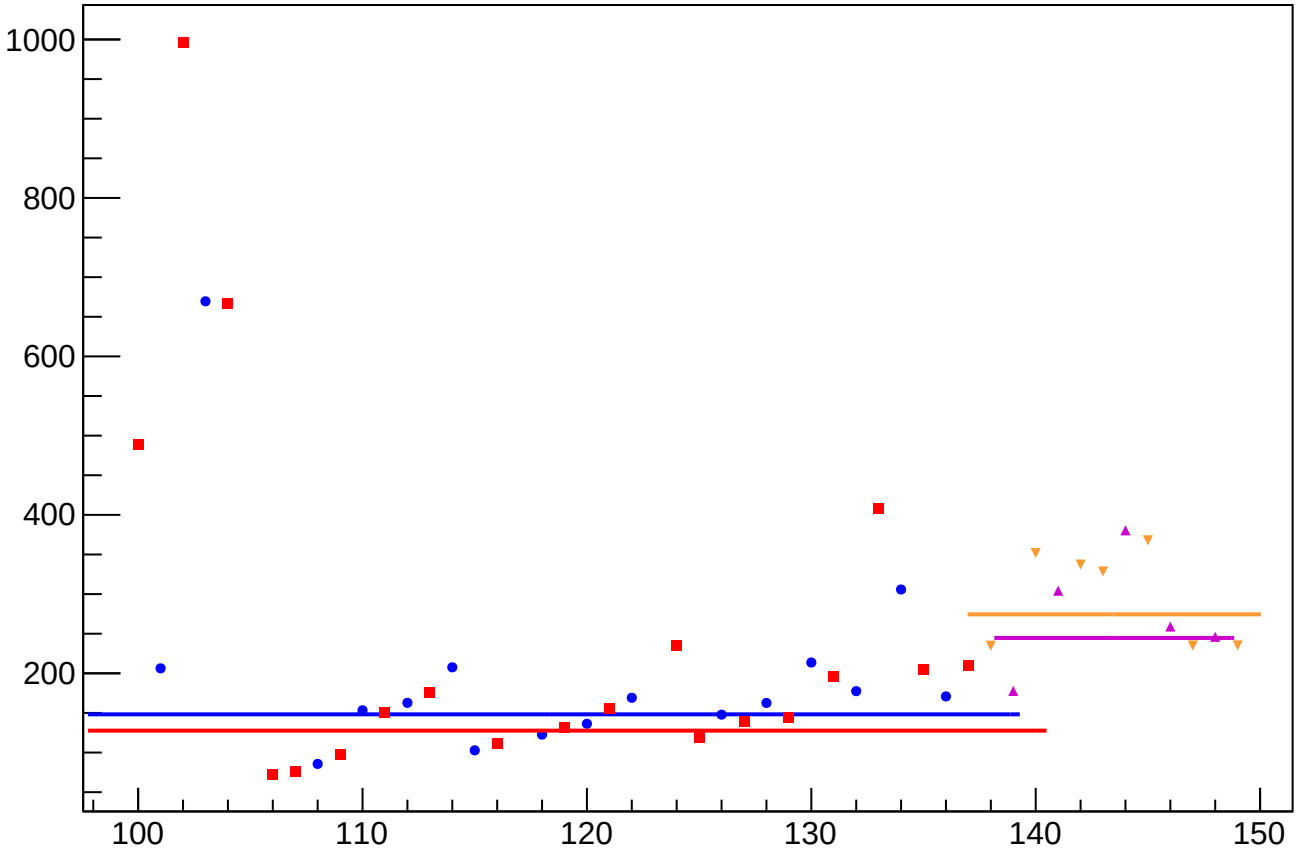
+ sign 0.006+/-0.000 χ^2/NDF: 7865083.3/22

All: 0.005+/-0.000 χ^2/NDF: 14620281.7/46

- sign 0.005+/-0.000 χ^2/NDF: 6706936.8/23


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.227+/-0.122 χ²/NDF:6.8/6
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.158+/-0.123 χ²/NDF:7.8/4
+ sign -0.006+/-0.054 χ²/NDF: 19.5/22
All: 0.012+/-0.037 χ²/NDF: 52.5/46
- sign 0.027+/-0.050 χ²/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: 274.450+/-0.086 χ^2/NDF:389946.1/6

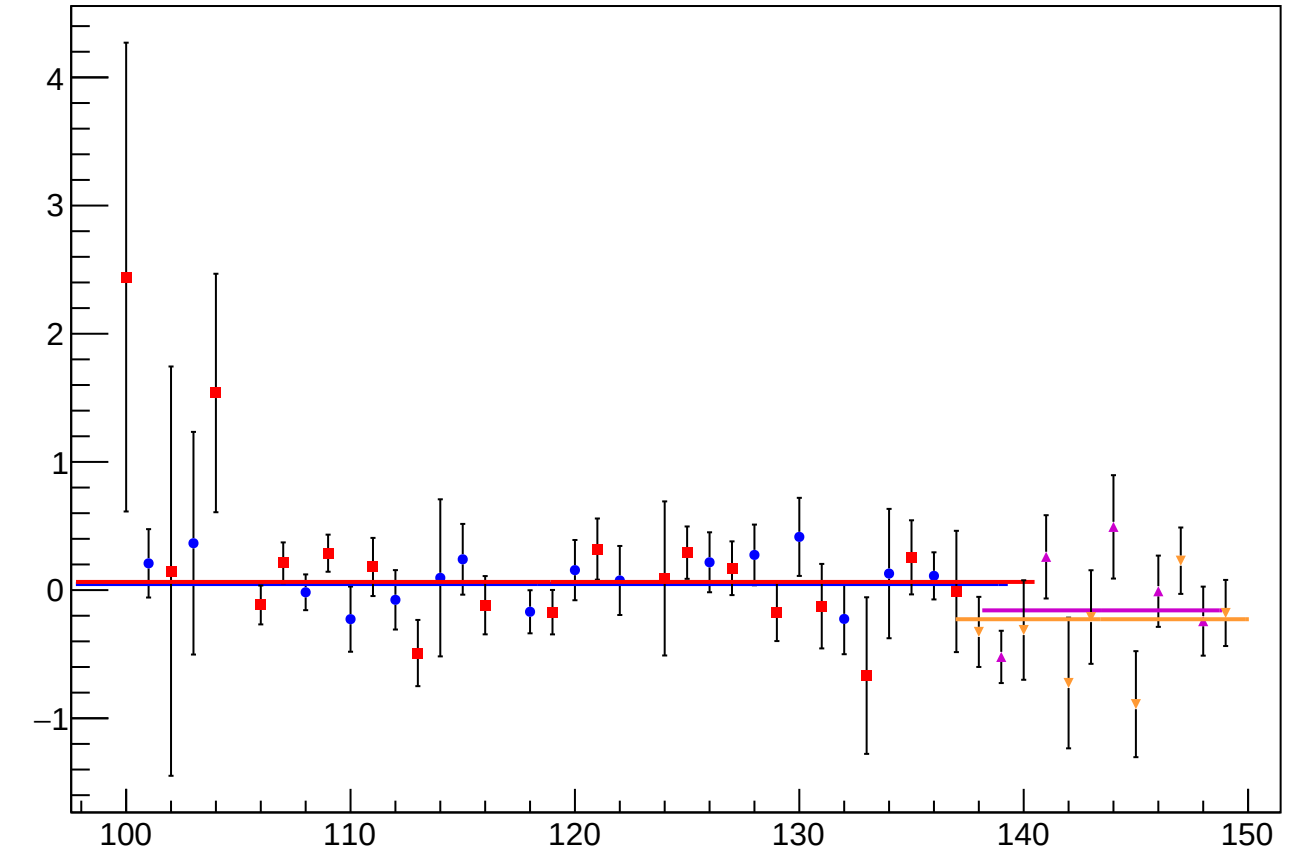
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.647+/-0.087 χ^2/NDF:514452.9/4

+ sign 172.828+/-0.038 χ^2/NDF: 3822629.7/22

All: 158.965+/-0.026 χ^2/NDF: 8940960.5/46

- sign 147.050+/-0.035 χ^2/NDF: 4871993.6/23



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.227+/-0.122 χ^2/NDF:6.8/6

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

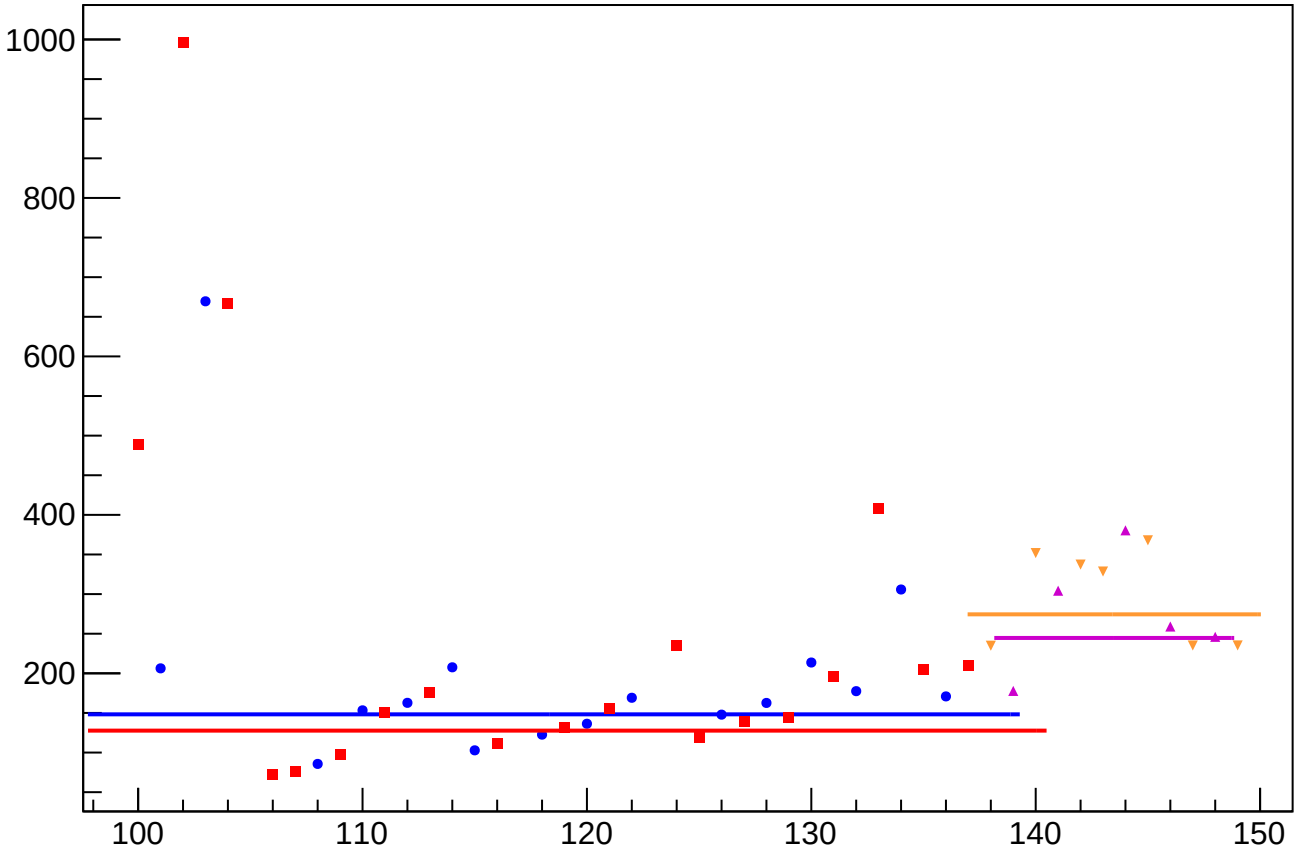
Left In: -0.158+/-0.123 χ^2/NDF:7.8/4

+ sign -0.006+/-0.054 χ^2/NDF: 19.5/22

All: 0.012+/-0.037 χ^2/NDF: 52.5/46

- sign 0.027+/-0.050 χ^2/NDF: 32.8/23

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 274.450+/-0.086 χ^2/NDF:389946.1/6

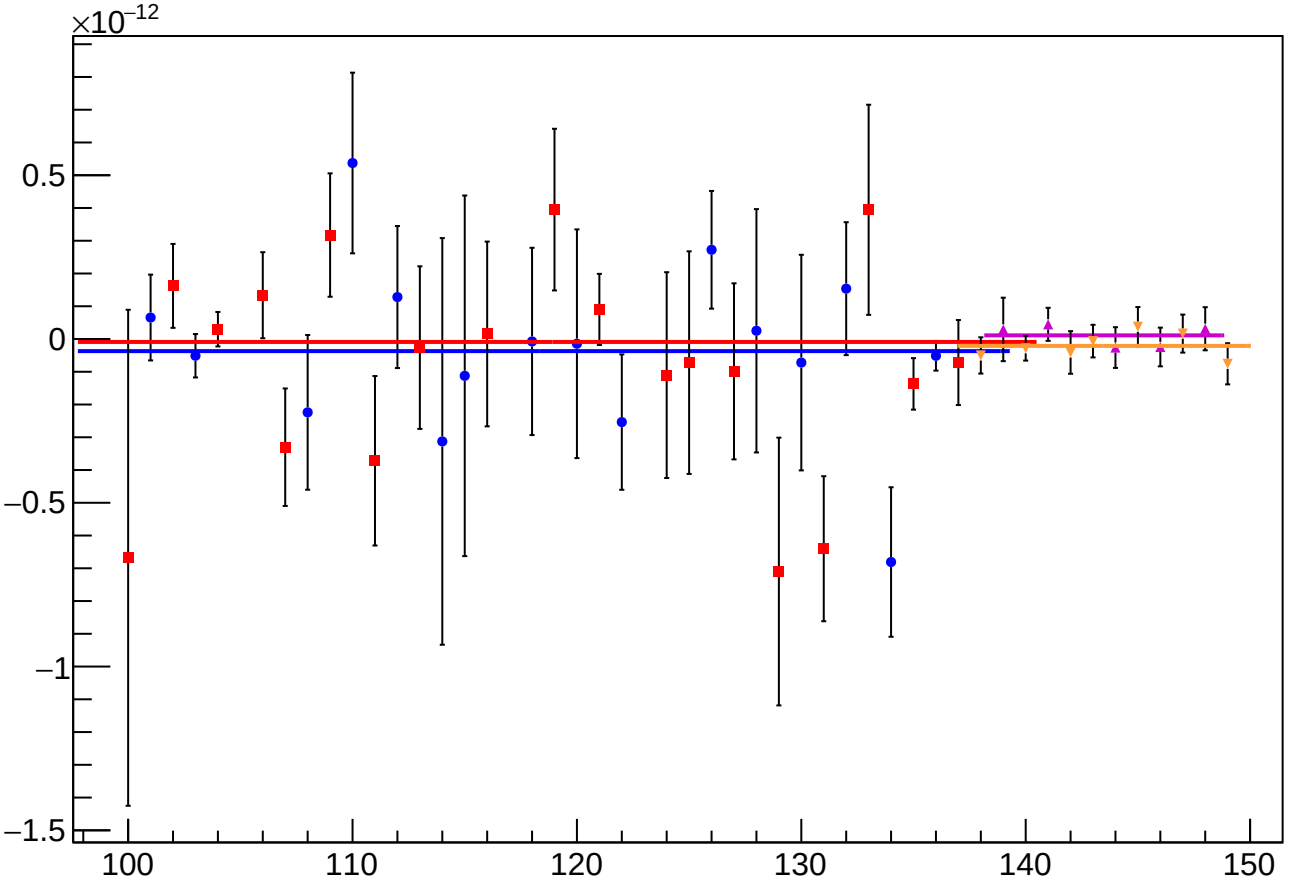
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.647+/-0.087 χ^2/NDF:514452.9/4

+ sign 172.828+/-0.038 χ^2/NDF: 3822629.7/22

All: 158.965+/-0.026 χ^2/NDF: 8940960.5/46

- 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:2.6/6

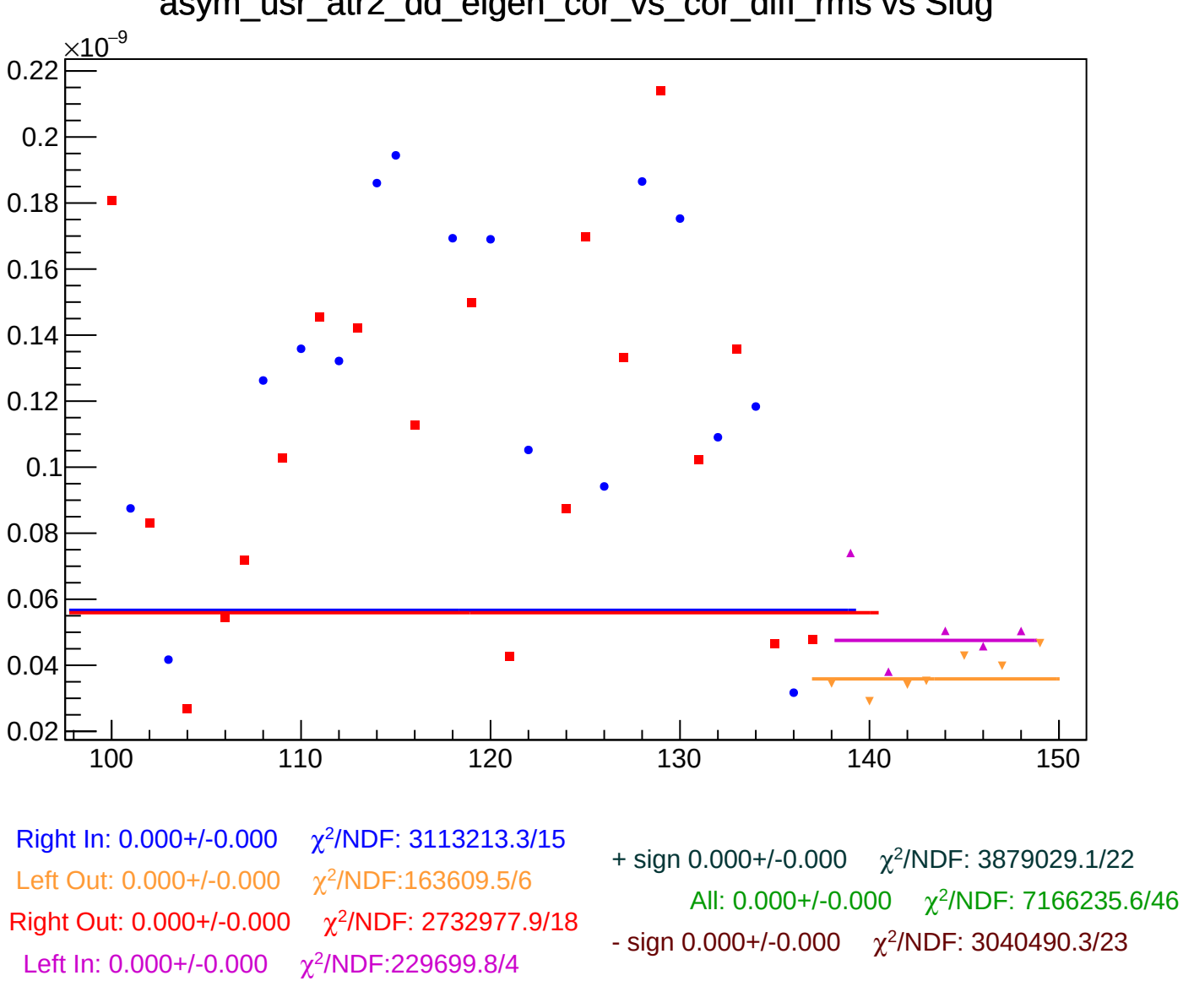
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

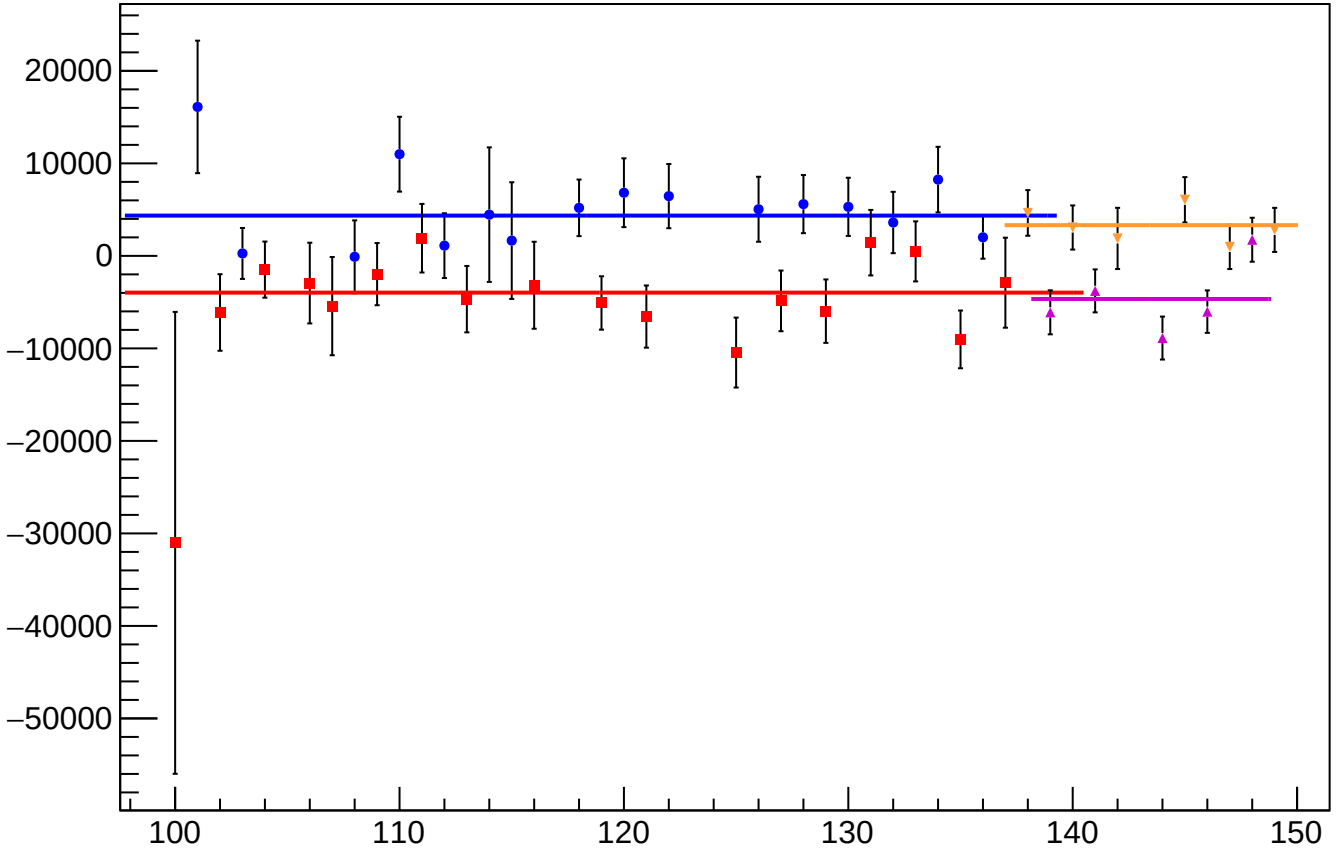
+ sign -0.000+/-0.000 χ^2/NDF: 22.3/22

All: -0.000+/-0.000 χ^2/NDF: 56.6/46

- 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:163609.5/6
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: 3879029.1/22
All: 0.000+/-0.000 χ²/NDF: 7166235.6/46
- 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: 3320.973+/-1026.737 χ^2/NDF:2.7/5

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

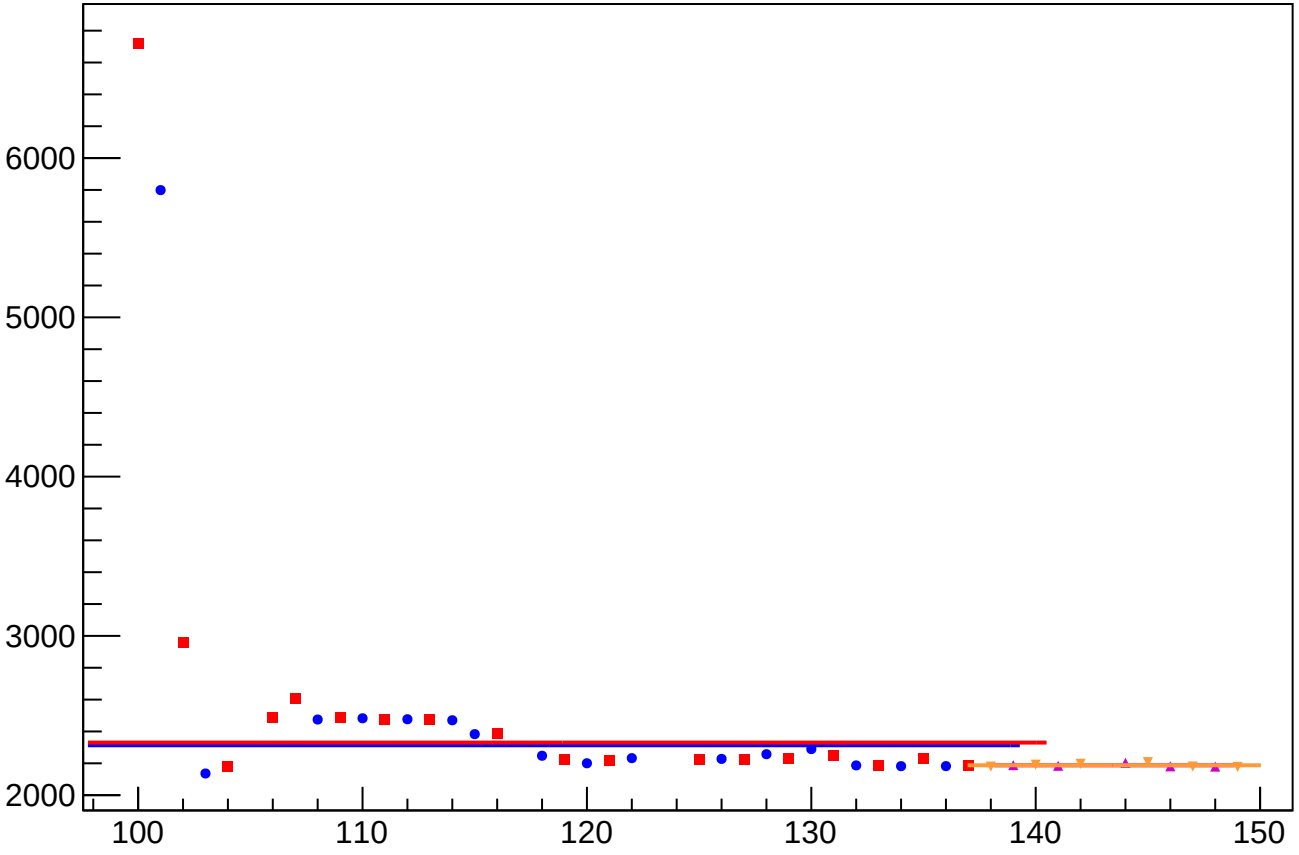
Left In: -4659.149+/-1045.889 χ^2/NDF:11.4/4

+ sign 3919.502+/-666.037 χ^2/NDF: 16.7/21

All: -146.089+/-472.158 χ^2/NDF: 119.5/44

- 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: 2187.804+/-0.726 χ^2/NDF:229.5/5

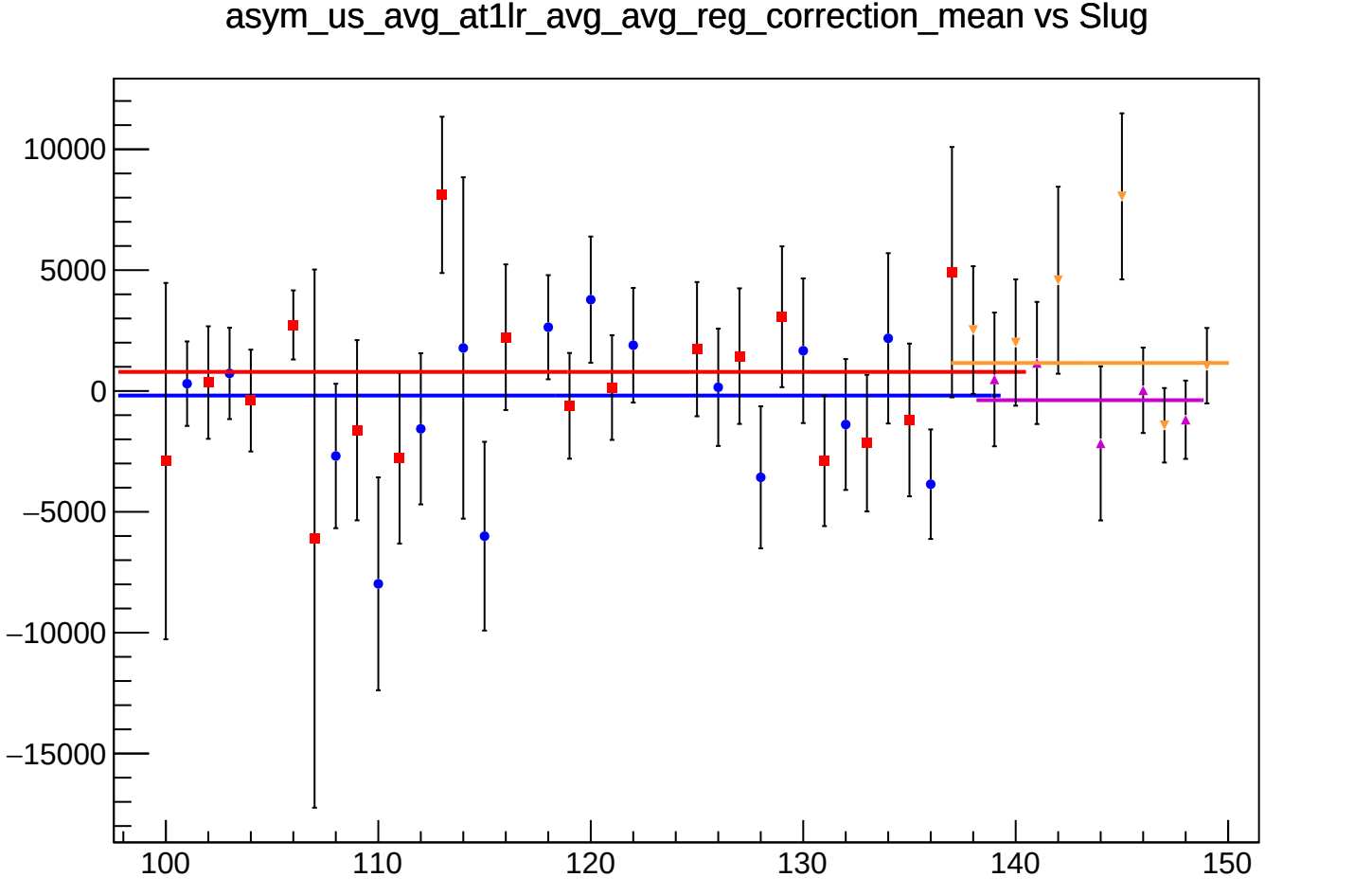
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.596+/-0.740 χ^2/NDF:138.3/4

+ sign 2260.557+/-0.471 χ^2/NDF: 529938.6/21

All: 2266.138+/-0.334 χ^2/NDF: 703518.6/44

- 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: 1159.180+/-886.350 χ^2/NDF:8.0/5

Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

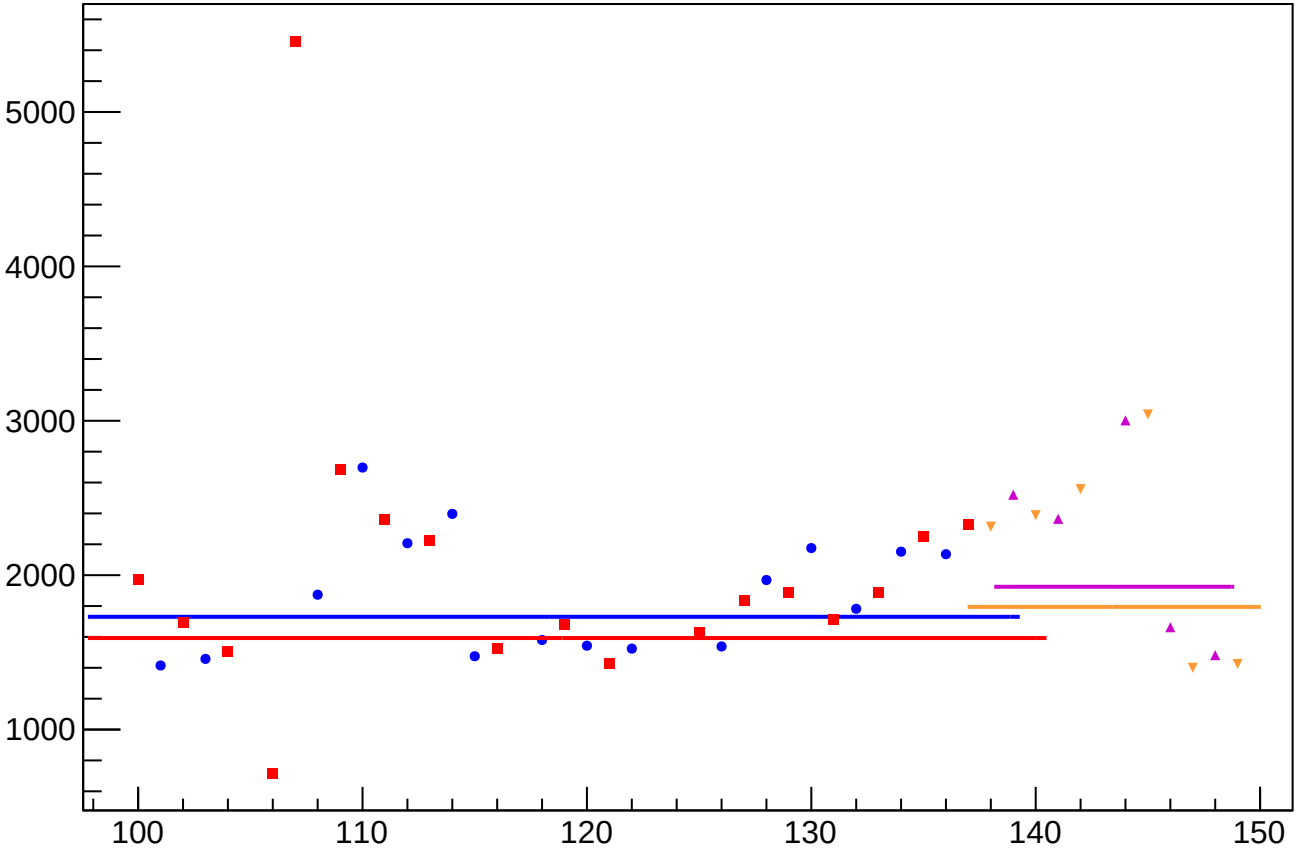
Left In: -380.456+/-959.057 χ^2/NDF:1.1/4

+ sign 290.544+/-528.501 χ^2/NDF: 25.9/21

All: 361.588+/-374.026 χ^2/NDF: 43.0/44

- sign 432.875+/-529.405 χ^2/NDF: 17.0/22

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1794.524+/-0.627 χ^2/NDF:764578.0/5

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

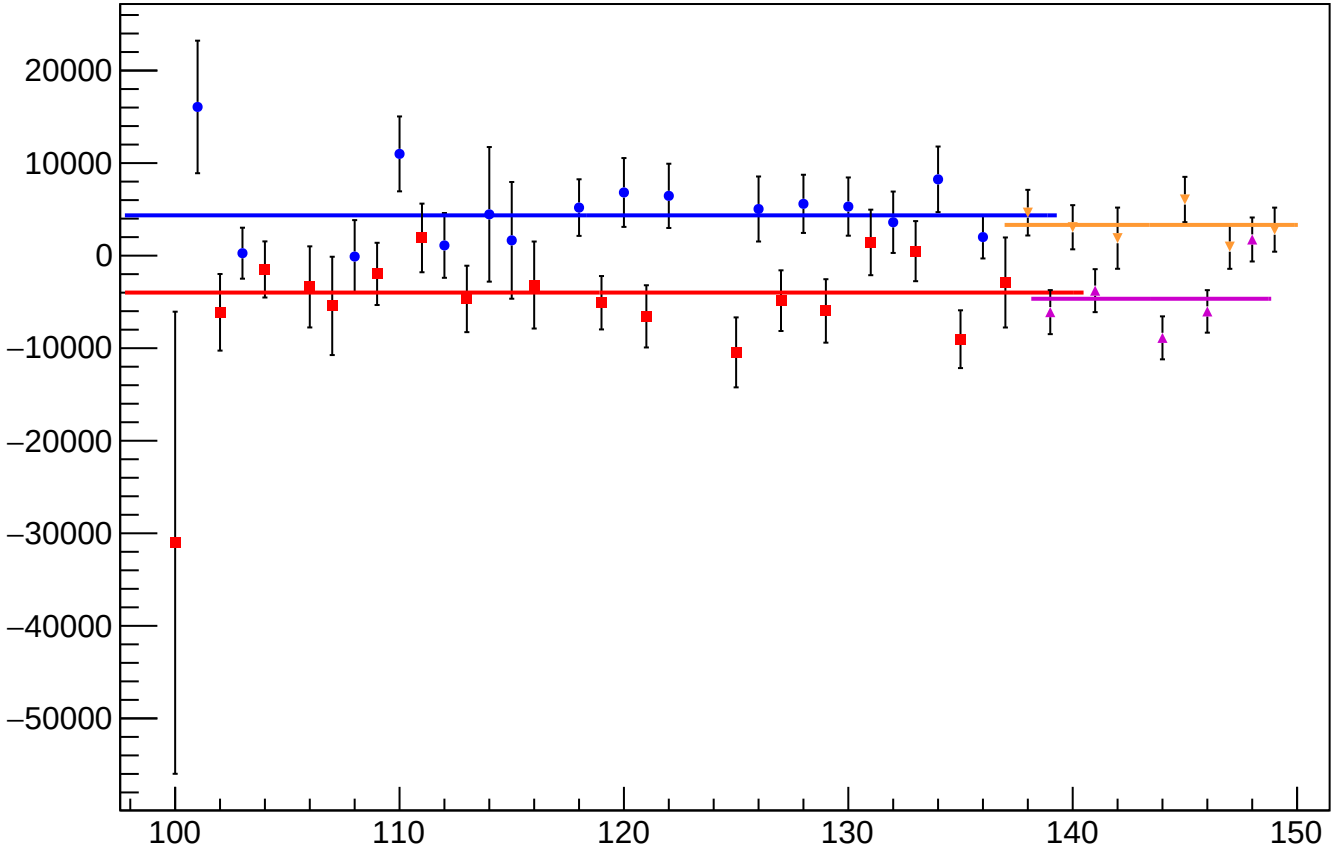
Left In: 1924.830+/-0.678 χ^2/NDF:575747.3/4

+ sign 1753.126+/-0.374 χ^2/NDF: 1250279.8/21

All: 1723.608+/-0.264 χ^2/NDF: 3561378.2/44

- sign 1693.990+/-0.374 χ^2/NDF: 2298599.7/22

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3320.736+/-1026.737 χ^2/NDF:2.8/5

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

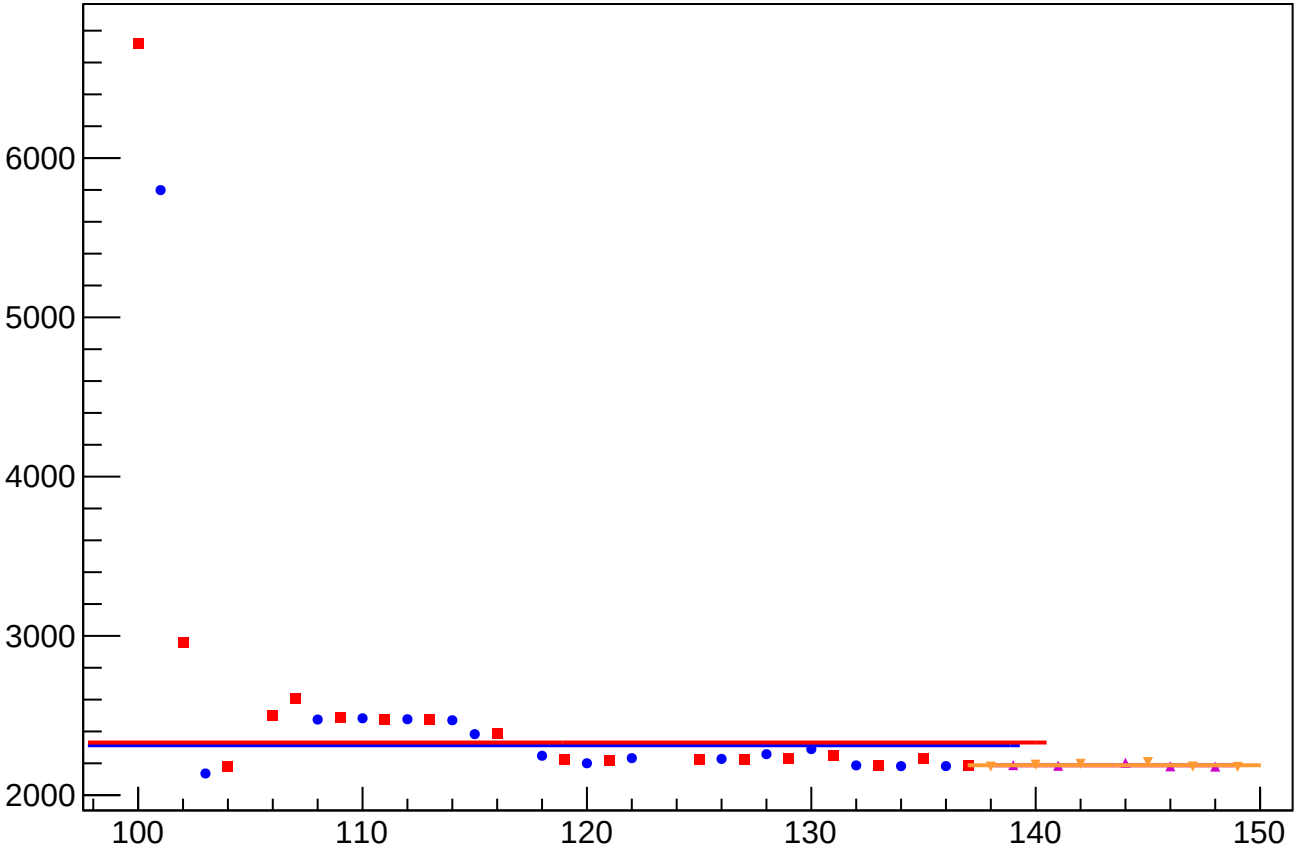
Left In: -4659.455+/-1045.889 χ^2/NDF:11.4/4

+ sign 3919.009+/-666.037 χ^2/NDF: 16.7/21

All: -151.357+/-472.182 χ^2/NDF: 119.6/44

- 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: 2187.804+/-0.726 χ^2/NDF:229.5/5

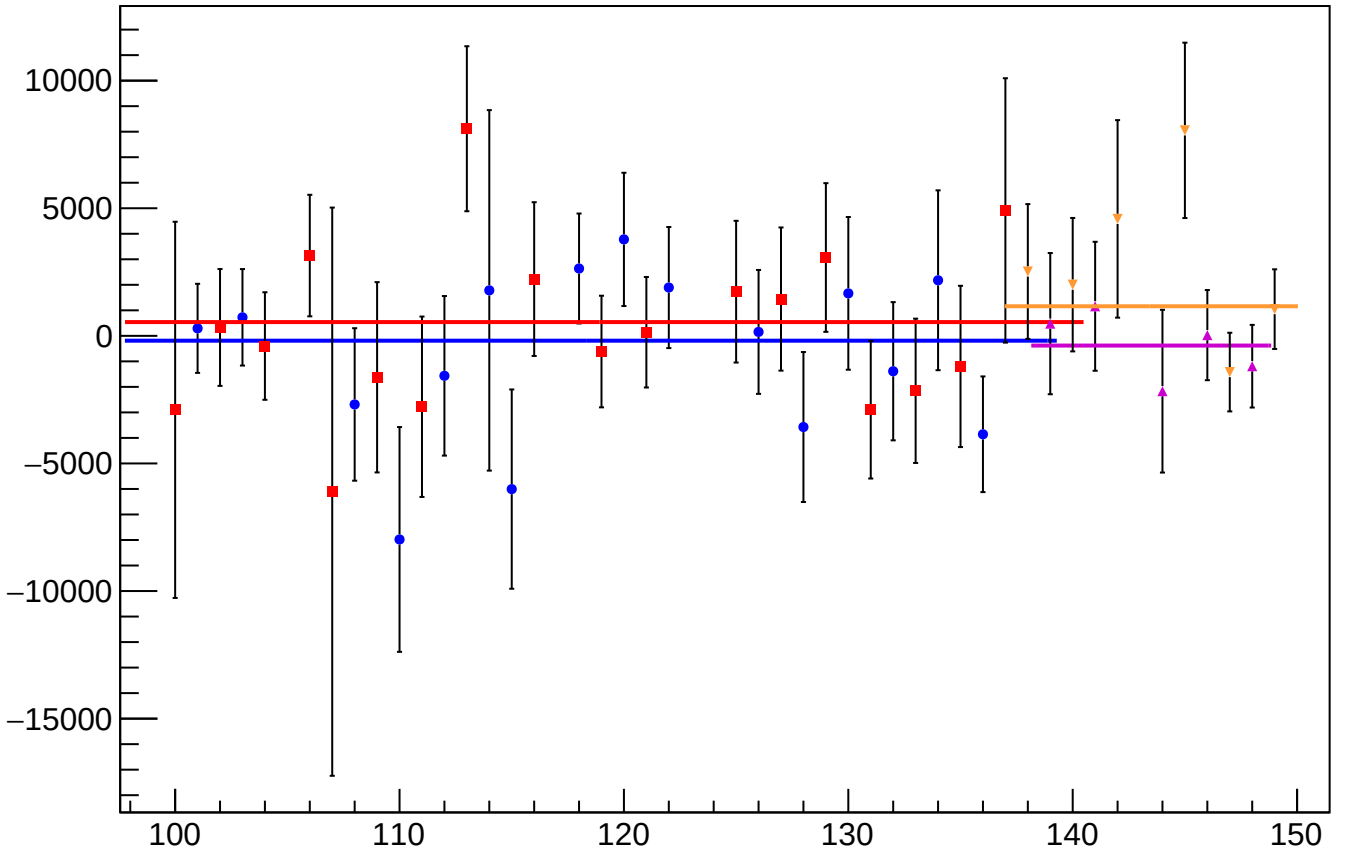
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.596+/-0.740 χ^2/NDF:138.3/4

+ sign 2260.556+/-0.471 χ^2/NDF: 529939.0/21

All: 2266.240+/-0.334 χ^2/NDF: 703986.2/44

- 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: 1158.763+/-886.347 χ^2/NDF:8.0/5

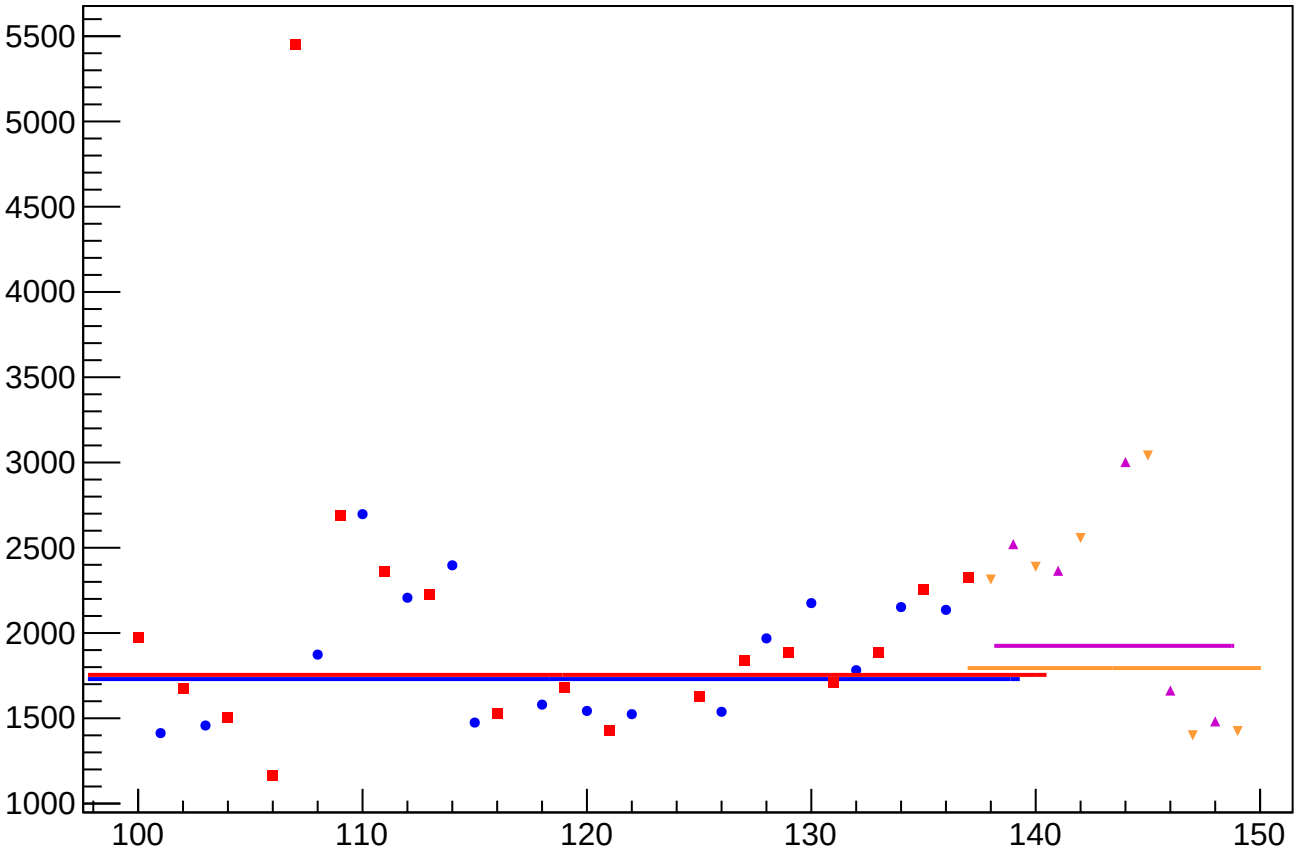
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -380.529+/-959.053 χ^2/NDF:1.1/4

+ sign 289.566+/-528.434 χ^2/NDF: 25.9/21

All: 262.509+/-382.294 χ^2/NDF: 41.5/44

- 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: 1794.516+/-0.627 χ^2/NDF:764574.2/5

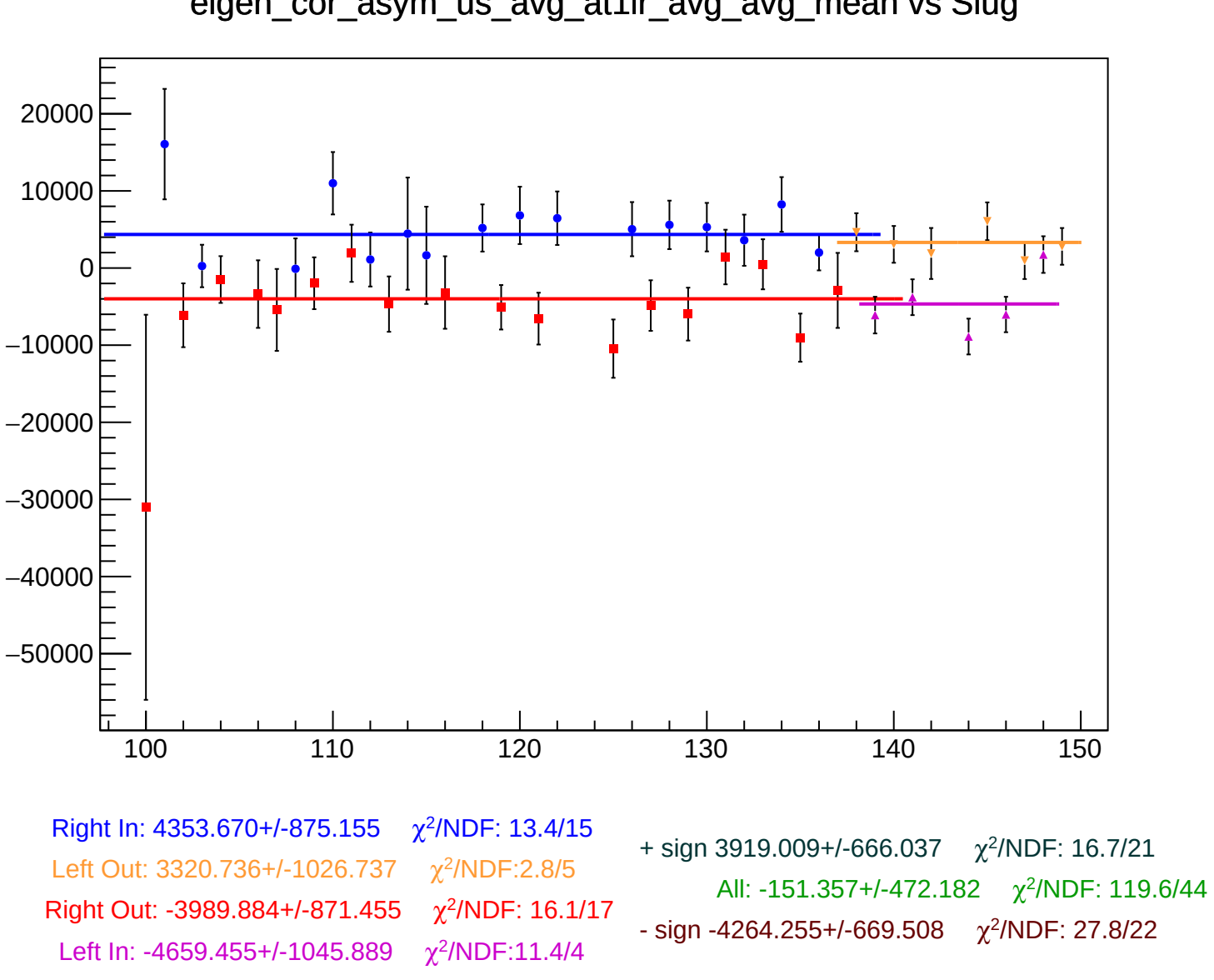
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1924.819+/-0.678 χ^2/NDF:575769.5/4

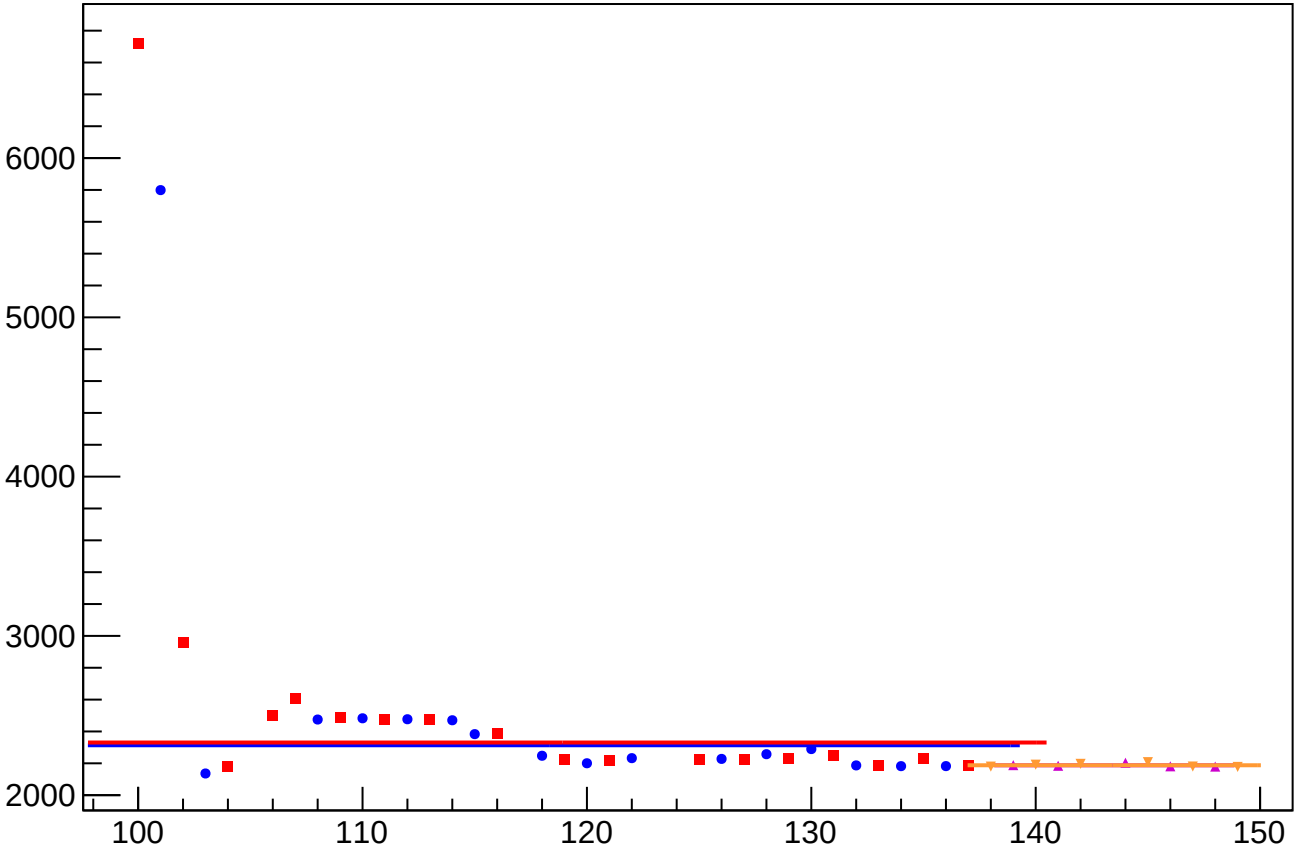
+ sign 1752.866+/-0.374 χ^2/NDF: 1251323.9/21

All: 1780.716+/-0.270 χ^2/NDF: 2631794.4/44

- sign 1811.298+/-0.392 χ^2/NDF: 1368815.3/22


eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 4353.670+/-875.155 χ²/NDF: 13.4/15
Left Out: 3320.736+/-1026.737 χ²/NDF:2.8/5
Right Out: -3989.884+/-871.455 χ²/NDF: 16.1/17
Left In: -4659.455+/-1045.889 χ²/NDF:11.4/4
+ sign 3919.009+/-666.037 χ²/NDF: 16.7/21
All: -151.357+/-472.182 χ²/NDF: 119.6/44
- sign -4264.255+/-669.508 χ²/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: 2187.804+/-0.726 χ^2/NDF:229.5/5

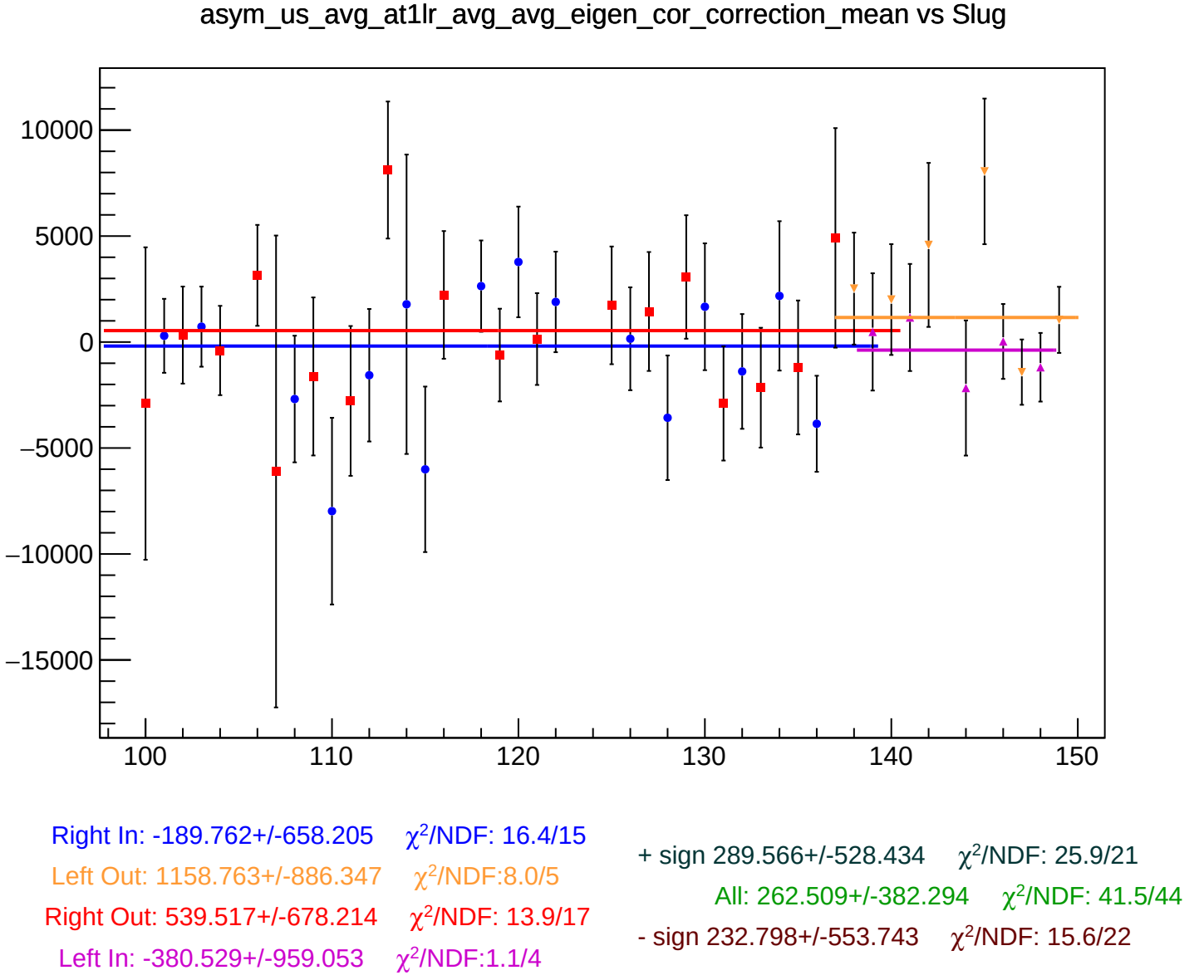
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

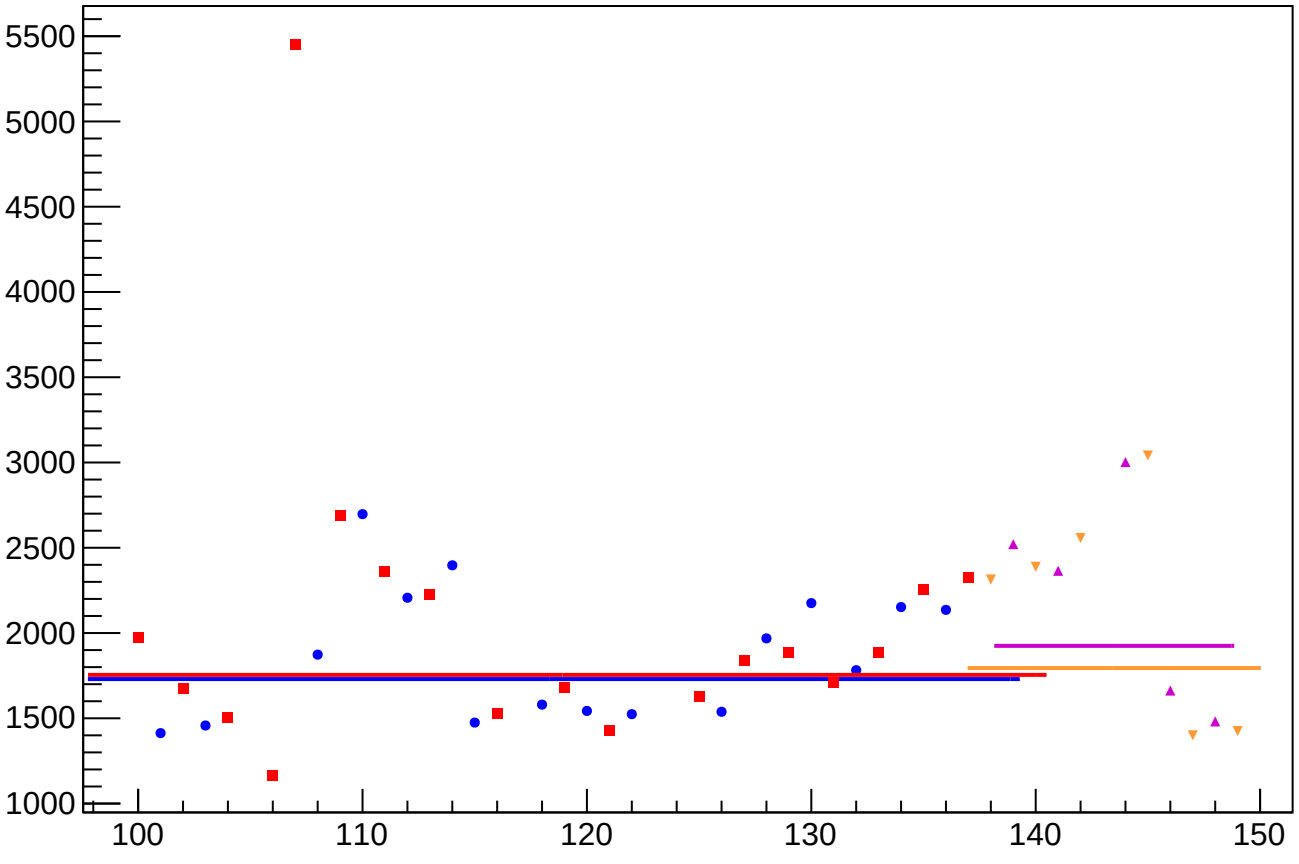
Left In: 2187.596+/-0.740 χ^2/NDF:138.3/4

+ sign 2260.556+/-0.471 χ^2/NDF: 529939.0/21

All: 2266.240+/-0.334 χ^2/NDF: 703986.2/44

- sign 2271.984+/-0.473 χ^2/NDF: 173754.4/22


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 1158.763+/-886.347 χ²/NDF:8.0/5
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -380.529+/-959.053 χ²/NDF:1.1/4
+ sign 289.566+/-528.434 χ²/NDF: 25.9/21
All: 262.509+/-382.294 χ²/NDF: 41.5/44
- sign 232.798+/-553.743 χ²/NDF: 15.6/22



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1794.516+/-0.627 χ^2/NDF:764574.2/5

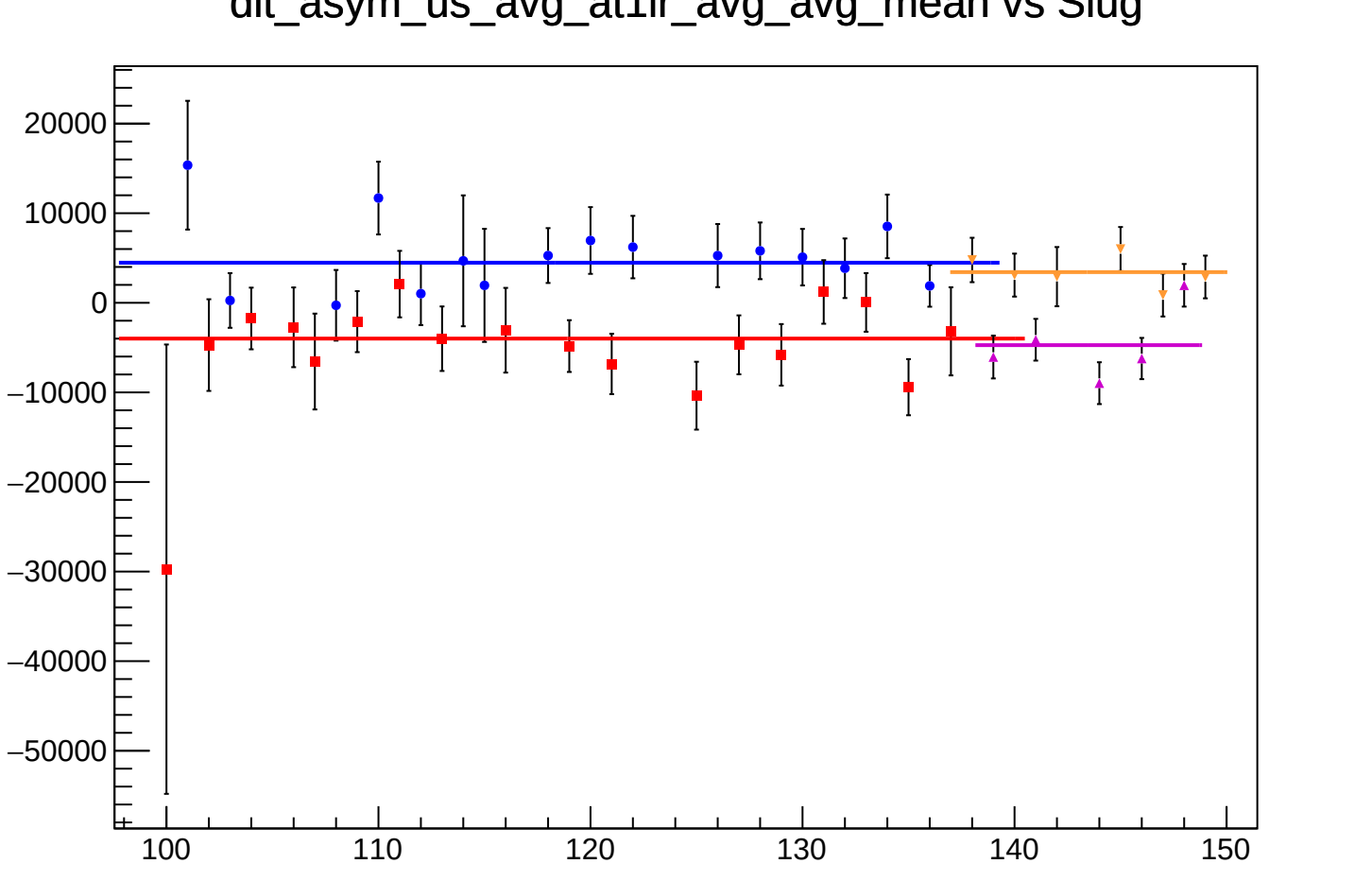
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1924.819+/-0.678 χ^2/NDF:575769.5/4

+ sign 1752.866+/-0.374 χ^2/NDF: 1251323.9/21

All: 1780.716+/-0.270 χ^2/NDF: 2631794.4/44

- 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: 3426.580+/-1029.901 χ^2/NDF:2.6/5

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

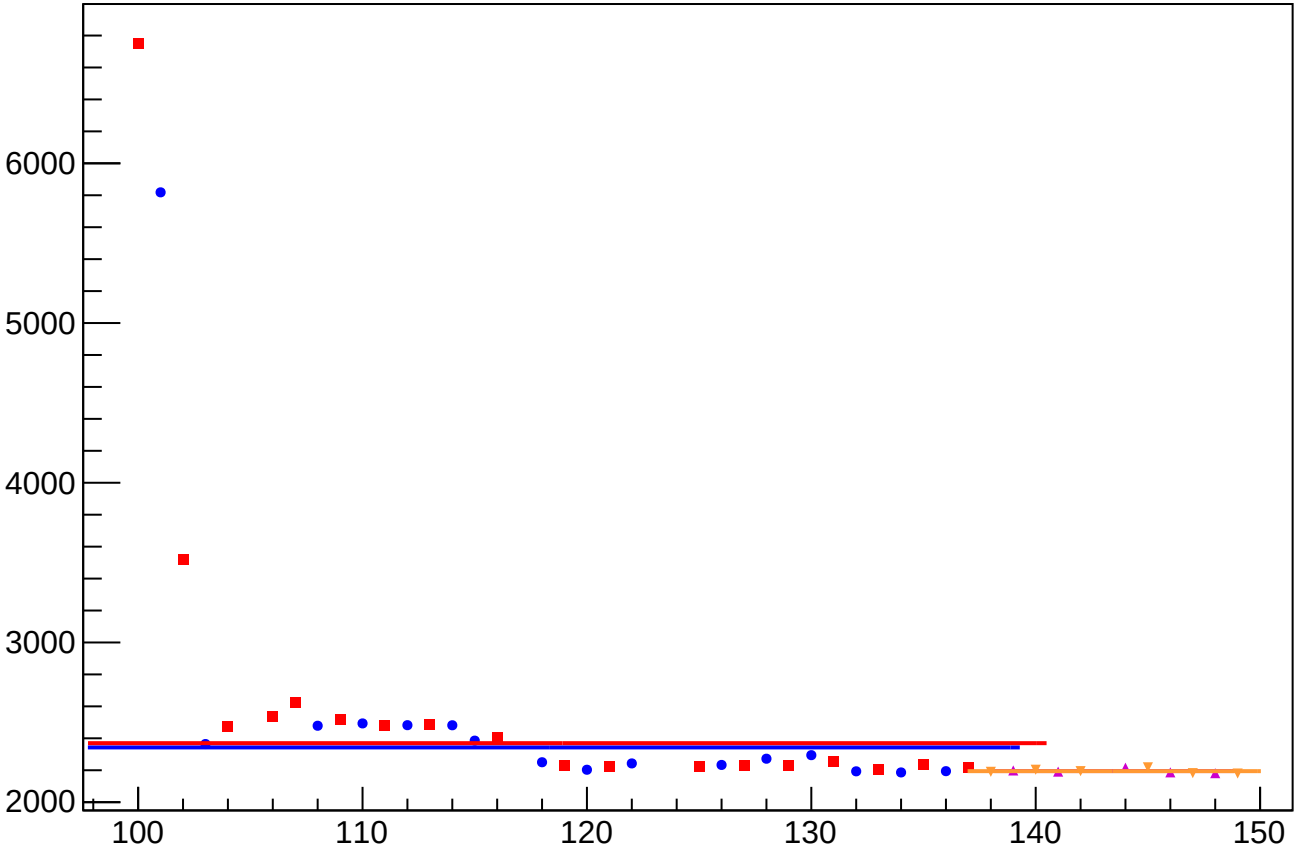
Left In: -4726.374+/-1049.519 χ^2/NDF:12.0/4

\+ sign 4029.866+/-671.698 χ^2/NDF: 16.8/21

All: -90.890+/-477.519 χ^2/NDF: 120.6/44

\- 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: 2194.342+/-0.728 χ^2/NDF:353.6/5

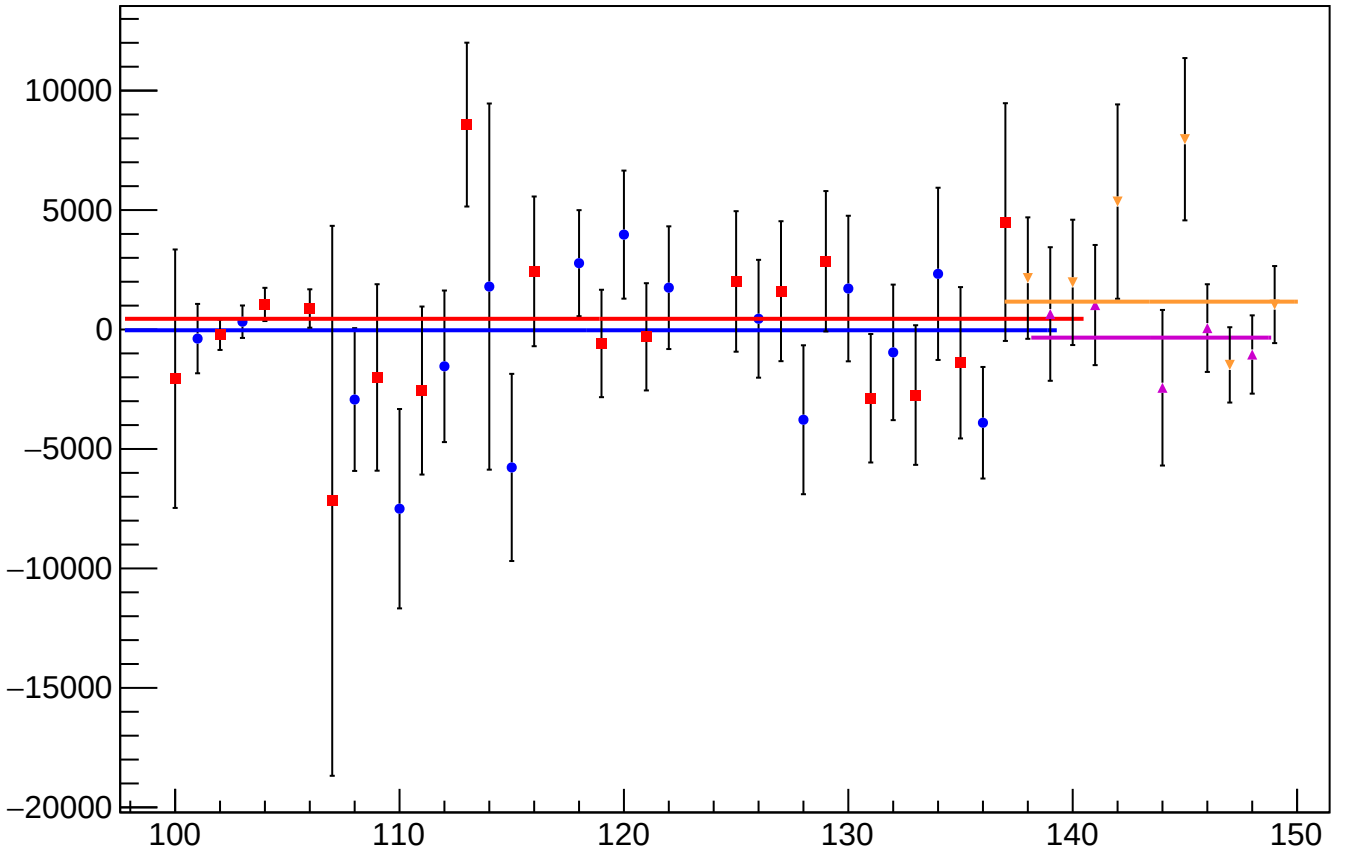
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2195.019+/-0.742 χ^2/NDF:261.9/4

+ sign 2279.717+/-0.475 χ^2/NDF: 527137.0/21

All: 2288.025+/-0.338 χ^2/NDF: 770333.0/44

- 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: 1166.355+/-900.182 χ^2/NDF:8.1/5

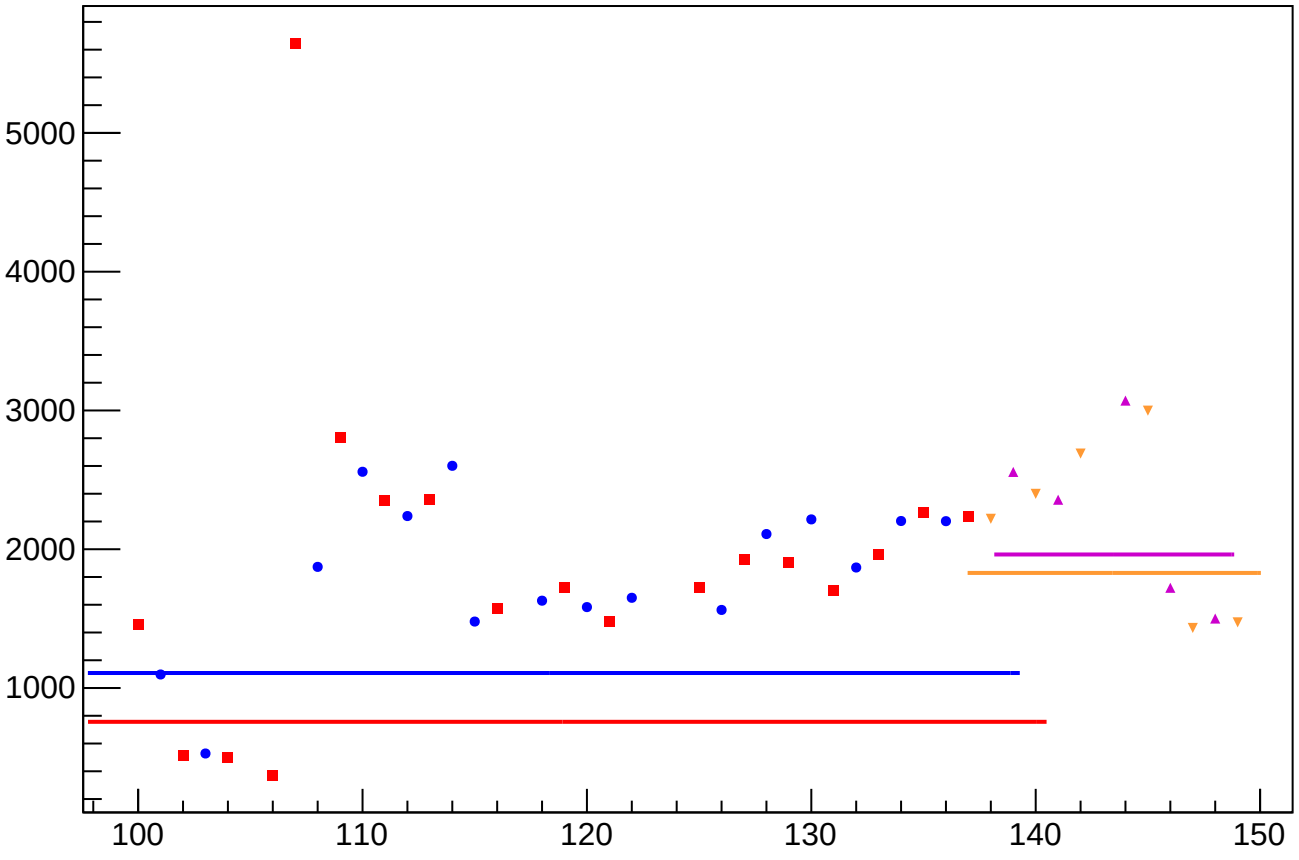
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -339.697+/-976.078 χ^2/NDF:1.1/4

\+ sign 238.356+/-427.196 χ^2/NDF: 25.8/21

All: 308.390+/-265.970 χ^2/NDF: 42.6/44

\- sign 352.721+/-339.879 χ^2/NDF: 16.7/22



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1829.315+/-0.637 χ^2/NDF:691989.2/5

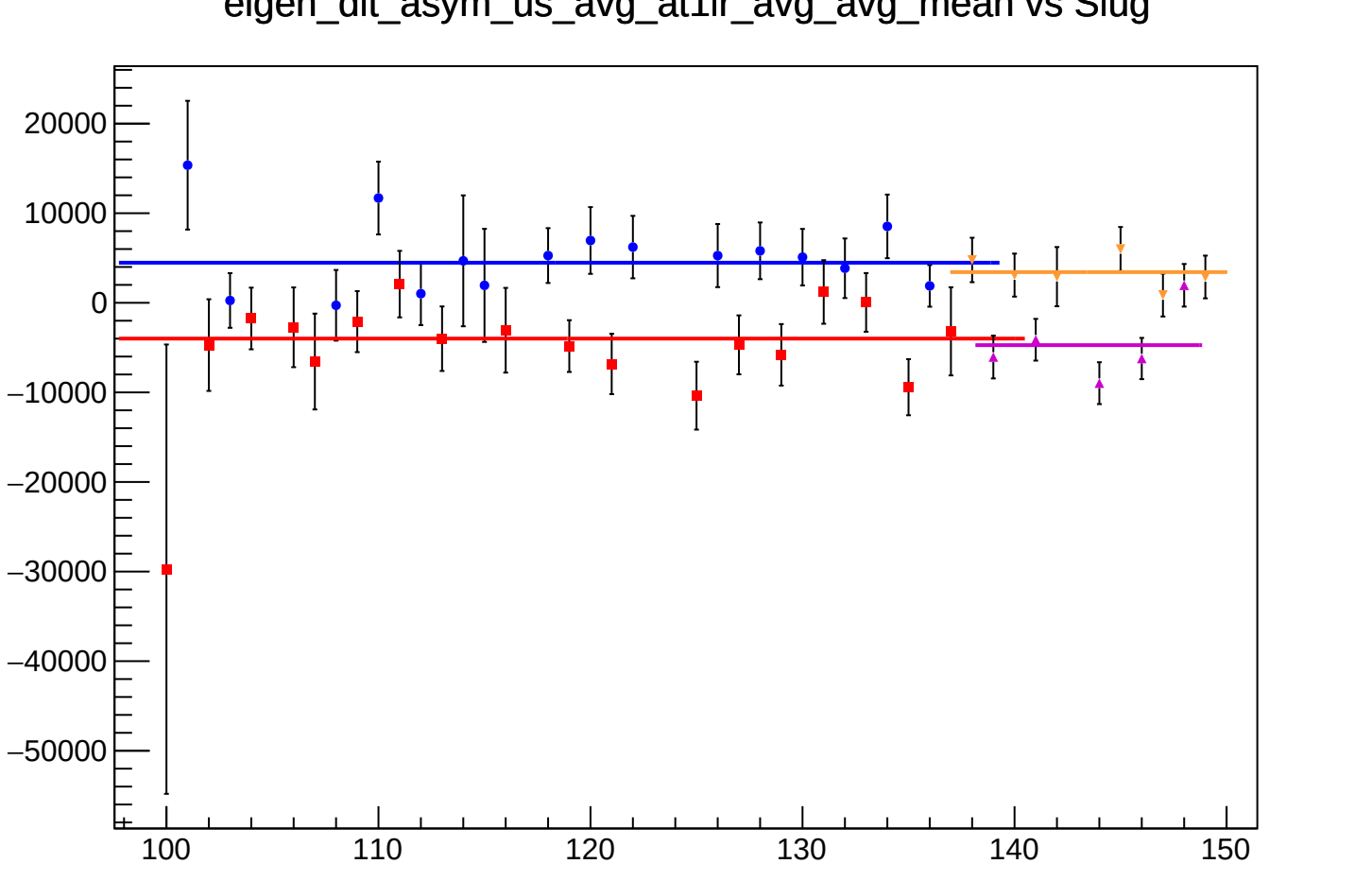
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1962.238+/-0.690 χ^2/NDF:564630.7/4

+ sign 1270.557+/-0.302 χ^2/NDF: 5433033.0/21

All: 1045.245+/-0.188 χ^2/NDF: 15191590.9/4

- 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: 3426.585+/-1029.901 χ^2/NDF:2.6/5

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

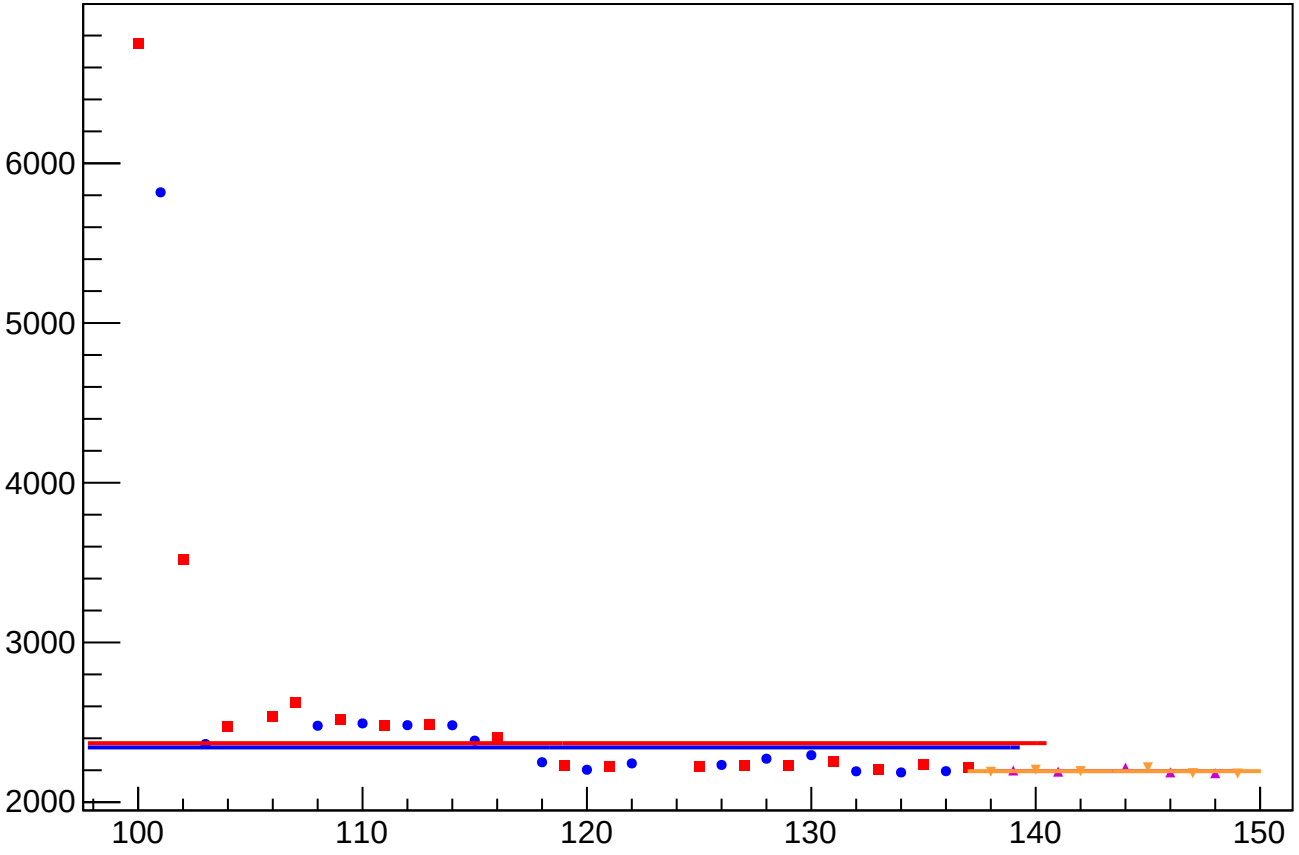
Left In: -4726.374+/-1049.519 χ^2/NDF:12.0/4

\+ sign 4029.866+/-671.698 χ^2/NDF: 16.8/21

All: -90.889+/-477.519 χ^2/NDF: 120.6/44

\- 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: 2194.342+/-0.728 χ^2/NDF:353.6/5

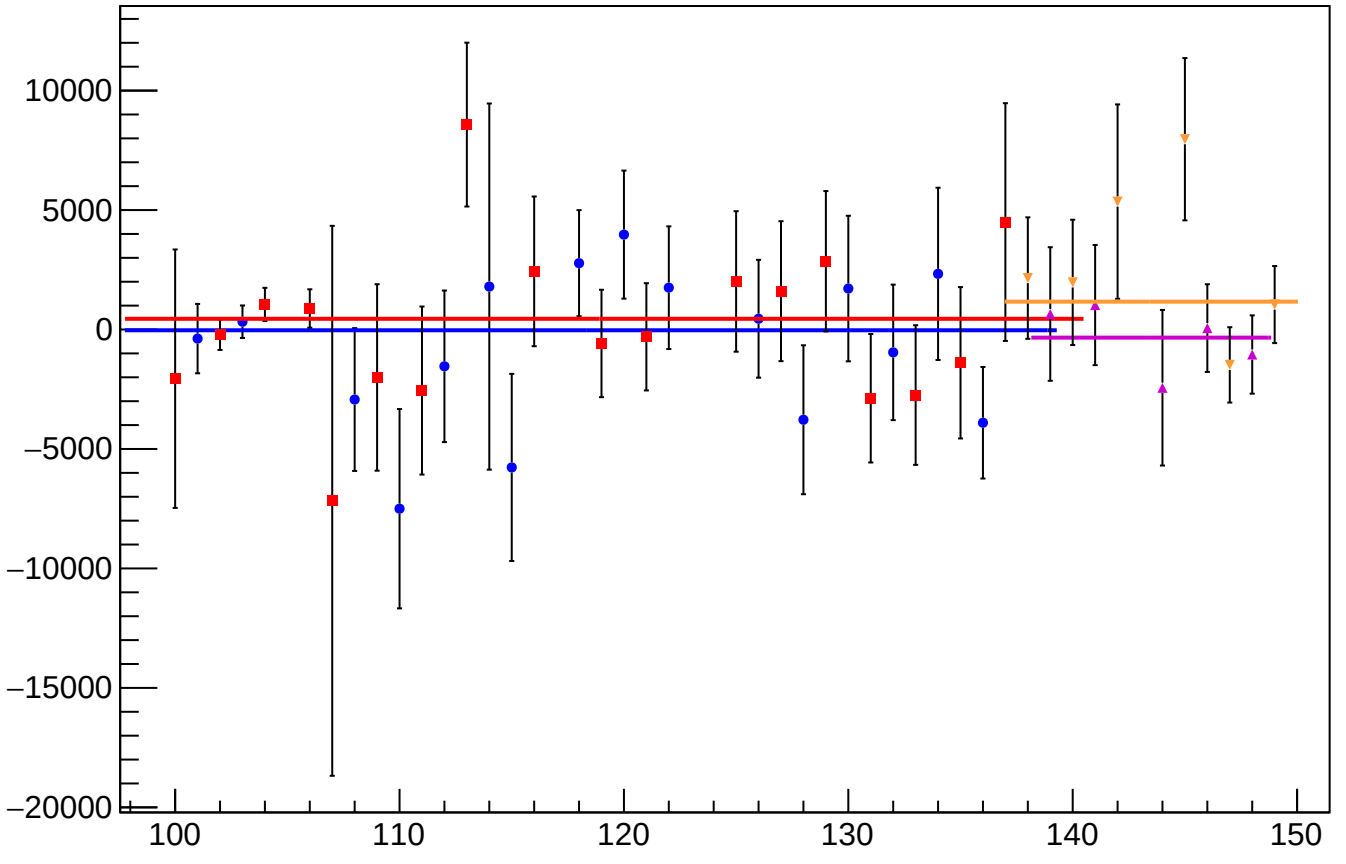
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2195.019+/-0.742 χ^2/NDF:261.9/4

+ sign 2279.717+/-0.475 χ^2/NDF: 527136.9/21

All: 2288.025+/-0.338 χ^2/NDF: 770331.6/44

- 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: 1166.354+/-900.183 χ^2/NDF:8.1/5

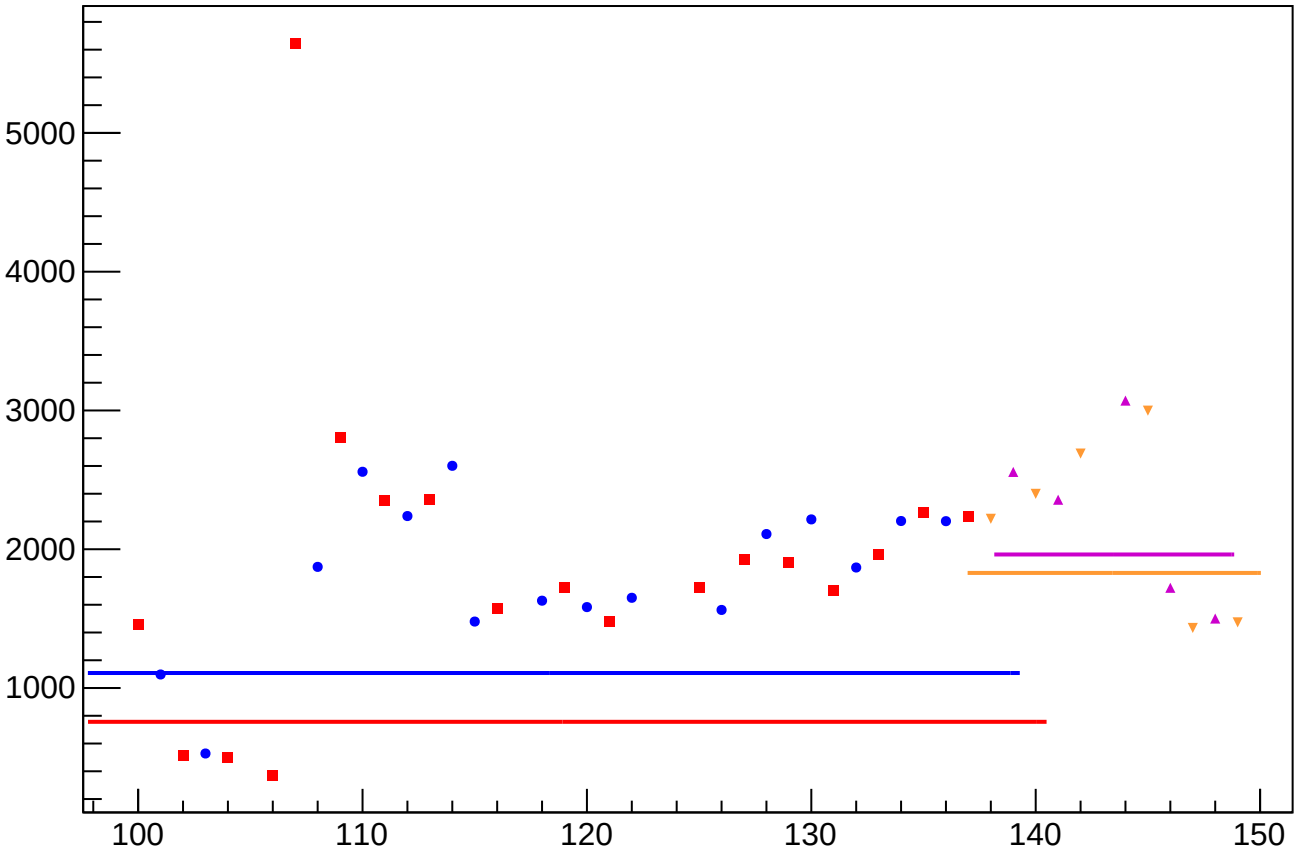
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -339.696+/-976.080 χ^2/NDF:1.1/4

\+ sign 238.352+/-427.198 χ^2/NDF: 25.8/21

All: 308.389+/-265.973 χ^2/NDF: 42.6/44

\- 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: 1829.318+/-0.637 χ^2/NDF:691989.3/5

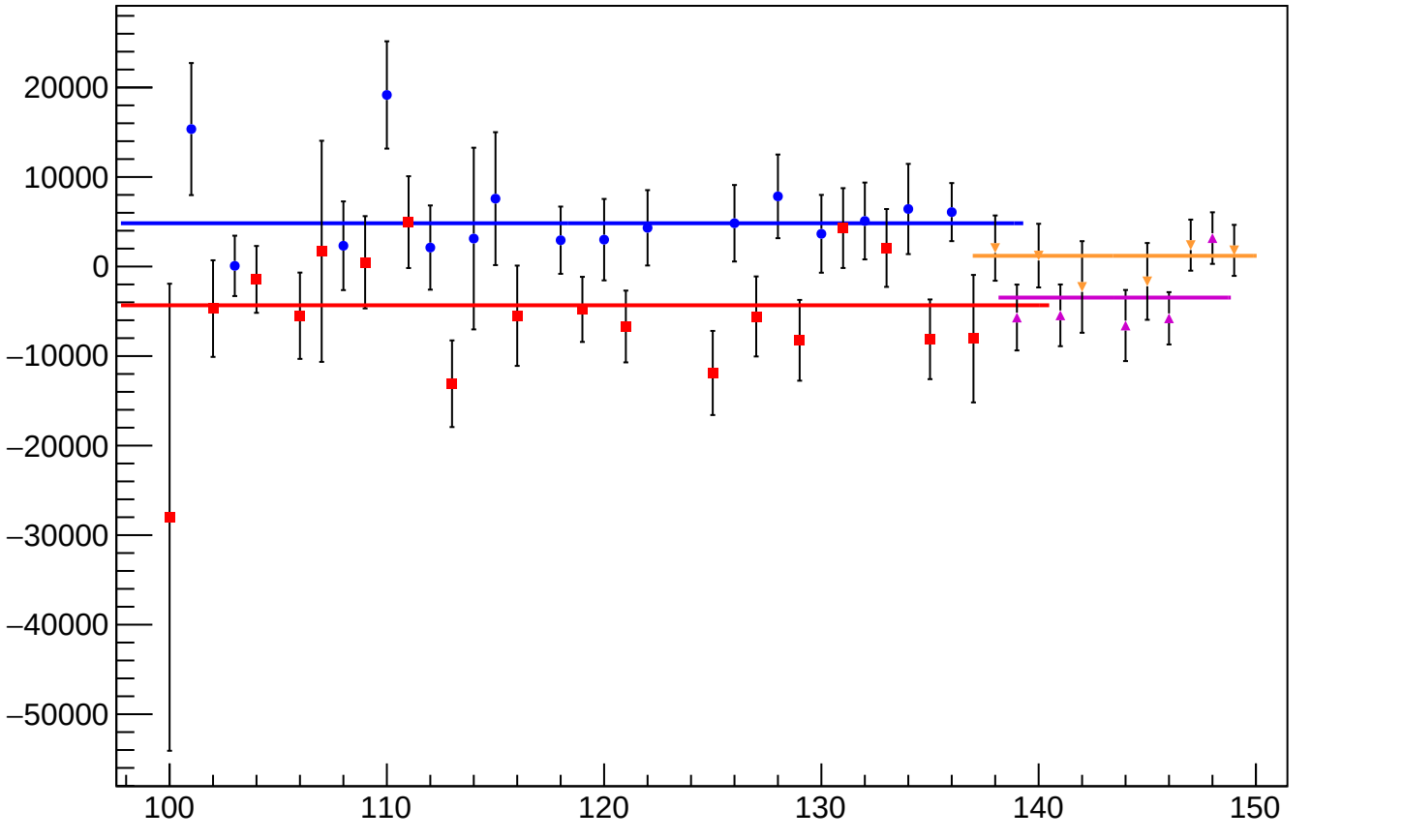
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1962.241+/-0.690 χ^2/NDF:564630.6/4

+ sign 1270.567+/-0.302 χ^2/NDF: 5432934.6/21

All: 1045.260+/-0.188 χ^2/NDF: 15191256.1/4

- 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: 1195.674+/-1424.075 χ^2/NDF:1.2/5

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

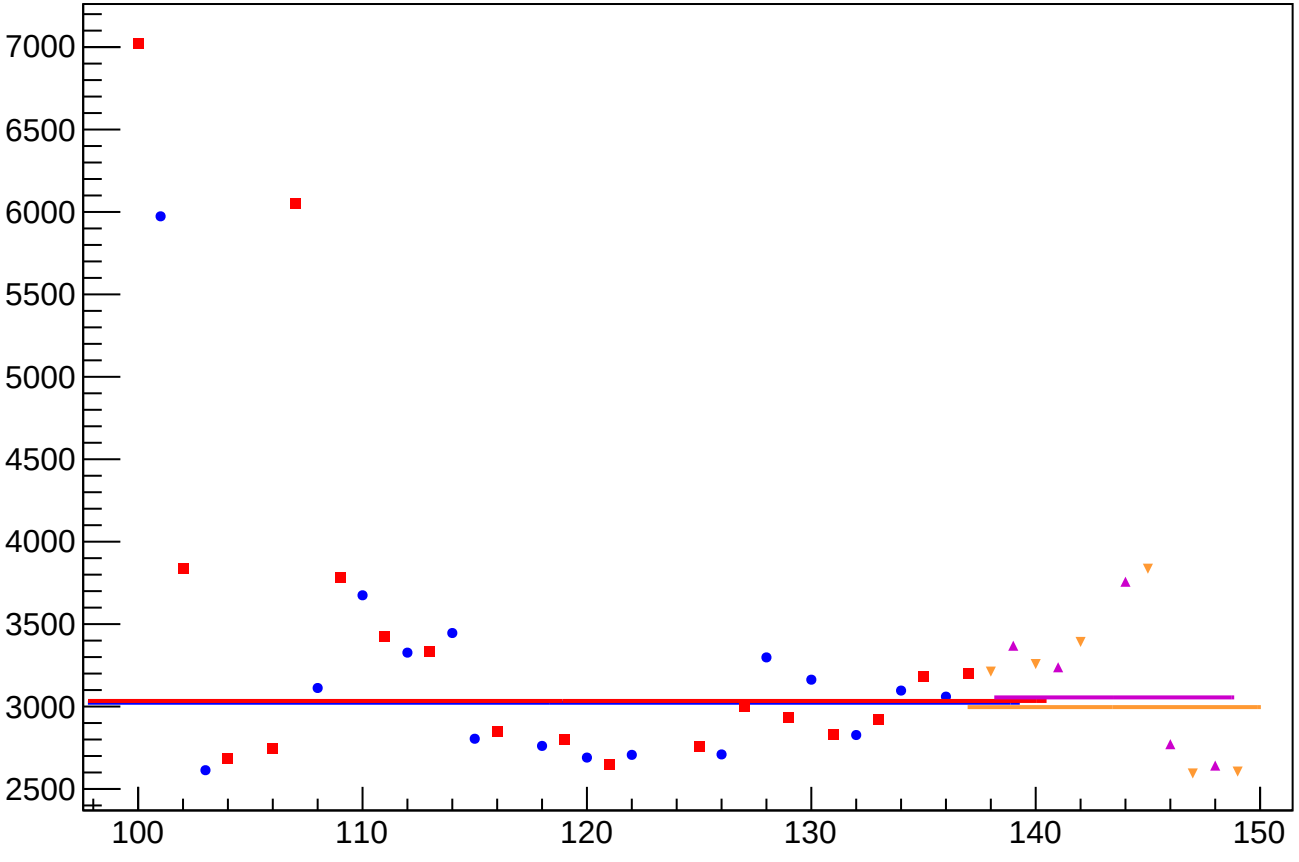
Left In: -3468.152+/-1476.021 χ^2/NDF:7.3/4

+ sign 3409.074+/-891.169 χ^2/NDF: 16.8/21

All: -243.265+/-634.805 χ^2/NDF: 78.3/44

- 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: 2996.514+/-1.007 χ^2/NDF:183858.5/5

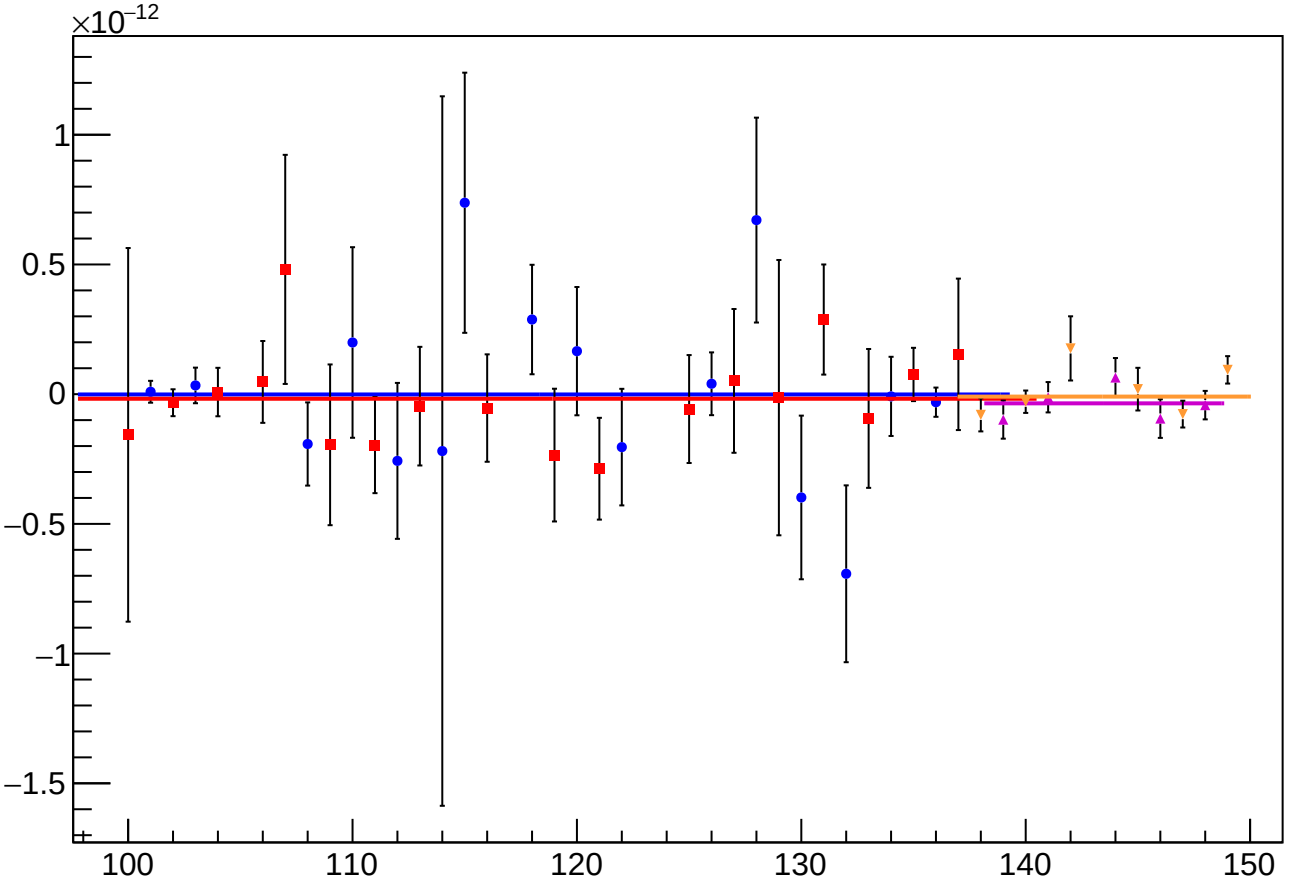
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3055.383+/-1.044 χ^2/NDF:142640.4/4

+ sign 3012.669+/-0.630 χ^2/NDF: 627987.4/21

All: 3027.091+/-0.449 χ^2/NDF: 1114631.2/44

- 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:9.3/5

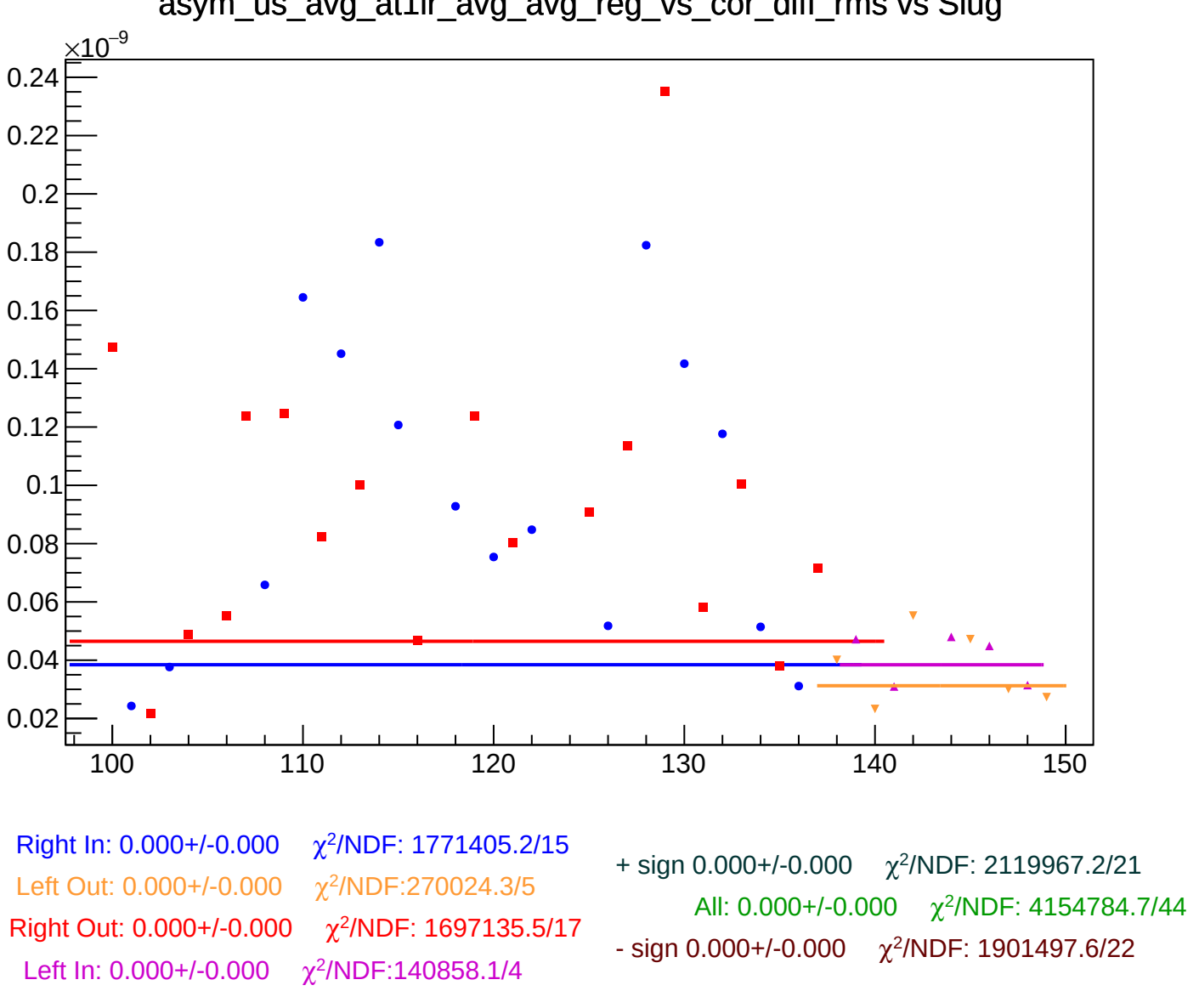
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

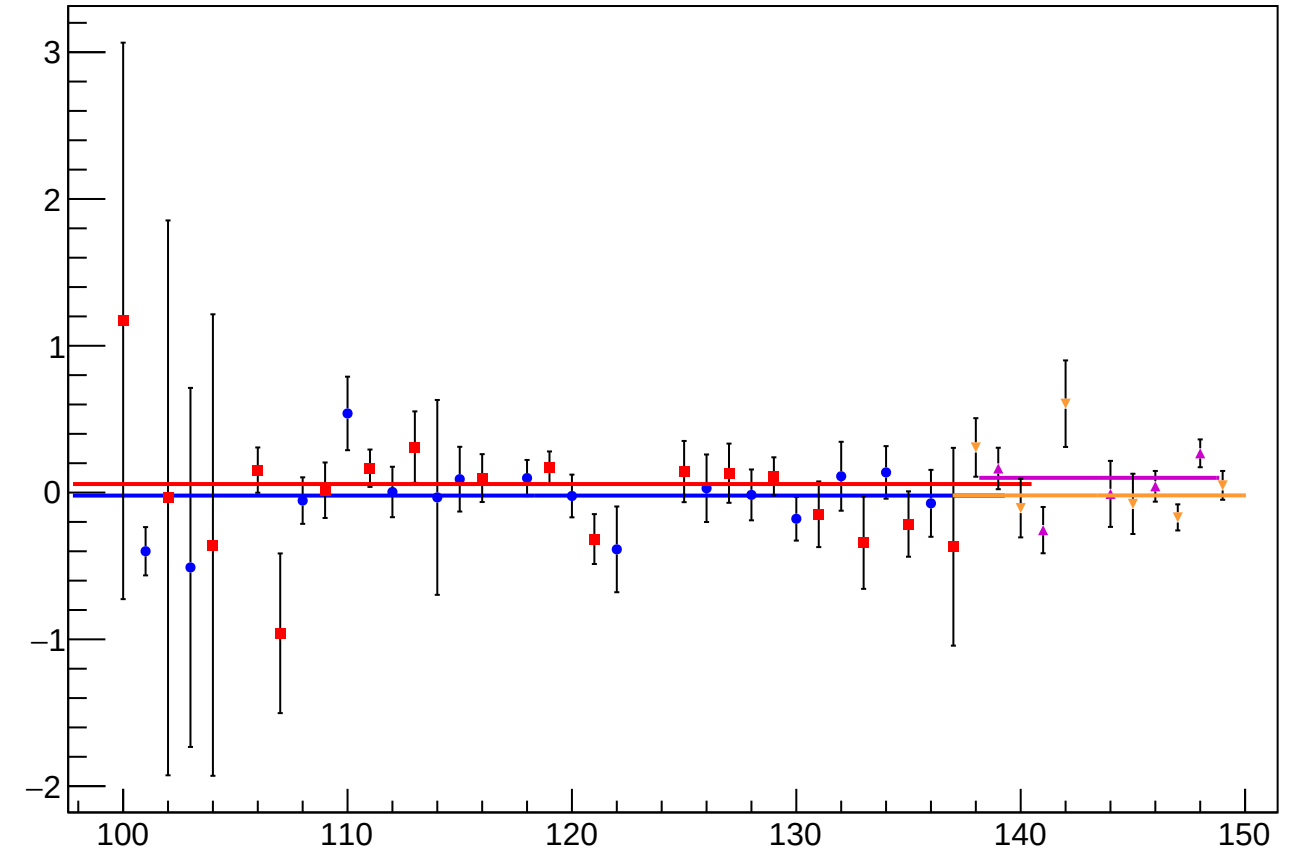
Left In: -0.000+/-0.000 χ^2/NDF:3.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 26.5/21

All: -0.000+/-0.000 χ^2/NDF: 39.5/44

- sign -0.000+/-0.000 χ^2/NDF: 12.4/22


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:270024.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:140858.1/4
+ sign 0.000+/-0.000 χ²/NDF: 2119967.2/21
All: 0.000+/-0.000 χ²/NDF: 4154784.7/44
- sign 0.000+/-0.000 χ²/NDF: 1901497.6/22



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.019+/-0.056 χ^2/NDF:10.8/5

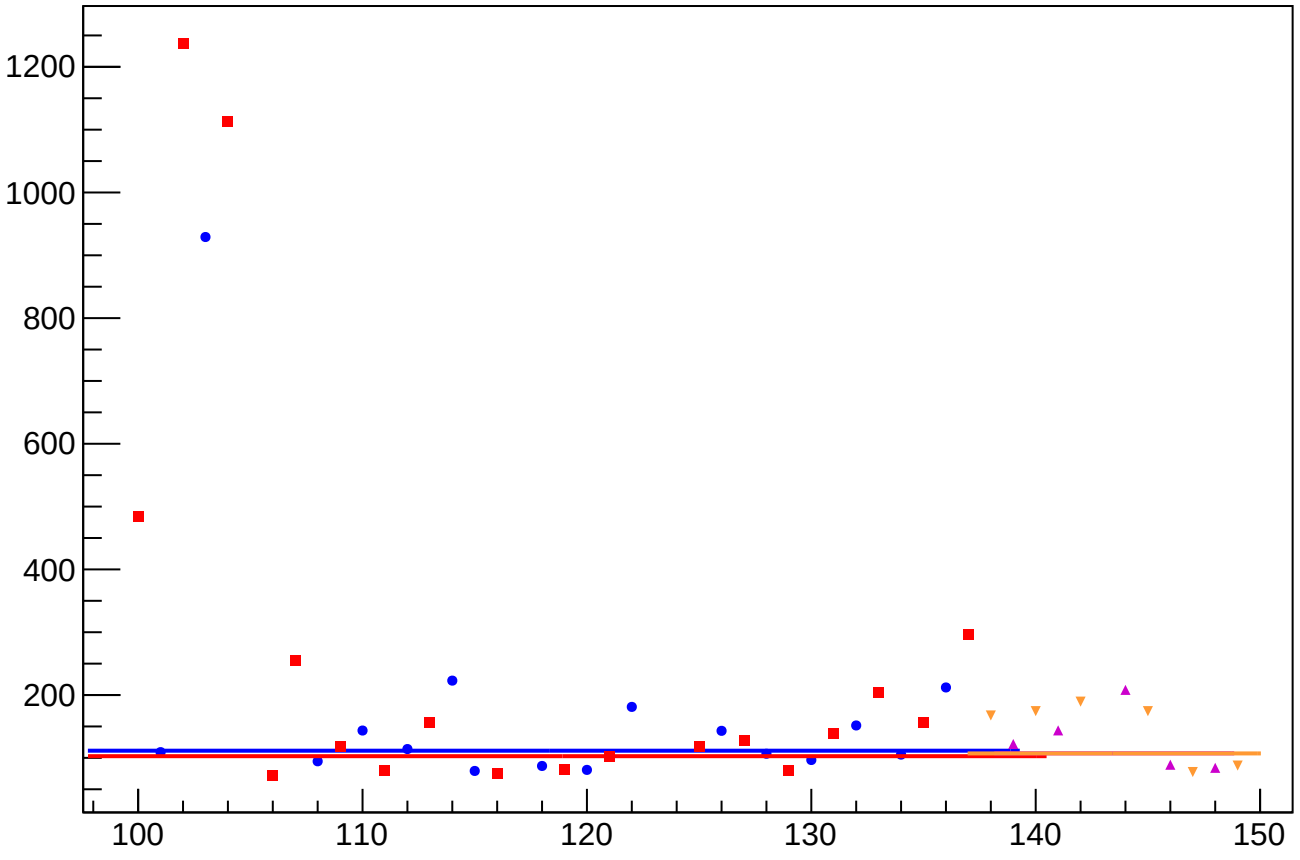
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.100+/-0.057 χ^2/NDF:8.9/4

+ sign -0.020+/-0.036 χ^2/NDF: 26.4/21

All: 0.028+/-0.026 χ^2/NDF: 56.0/44

- 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: 107.067+/-0.040 χ^2/NDF:1081398.1/5

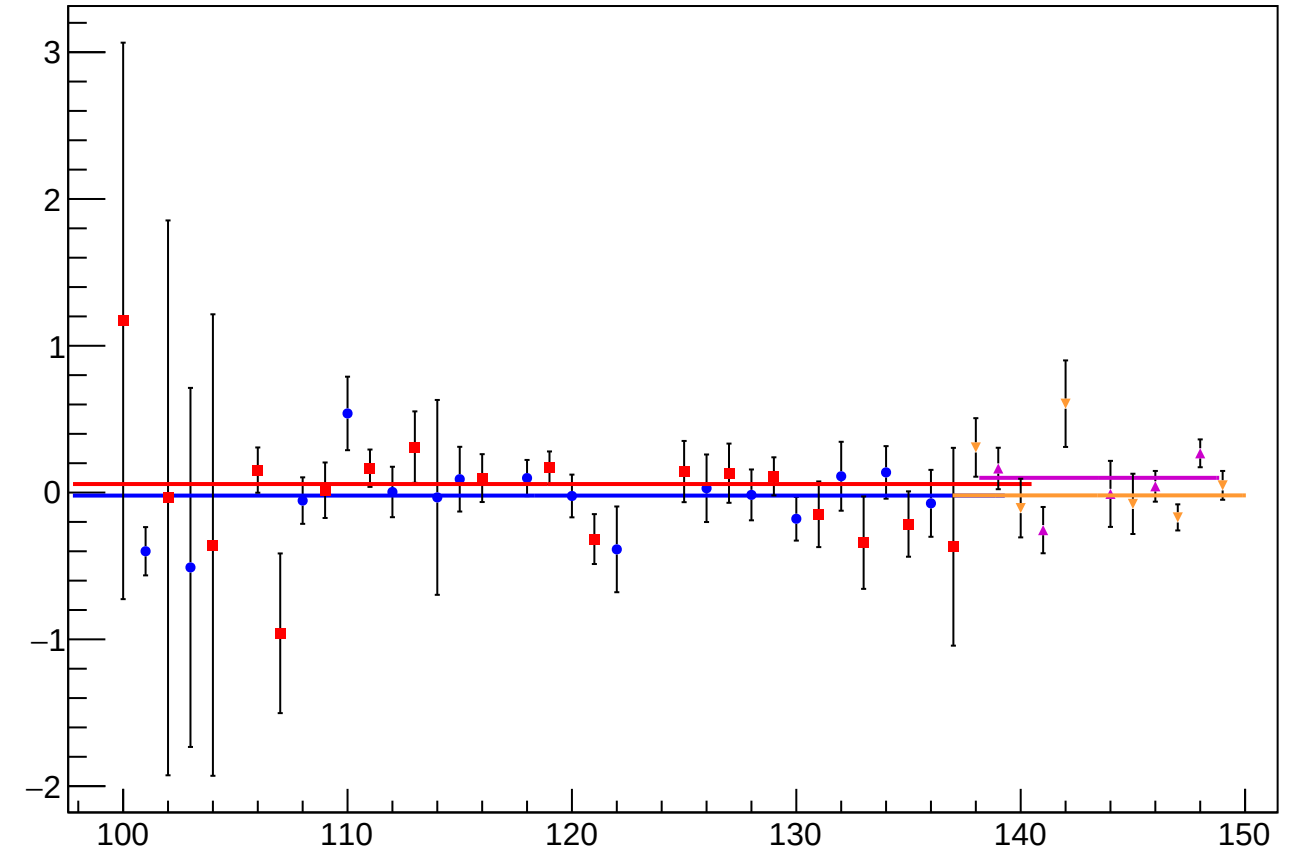
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 107.207+/-0.040 χ^2/NDF:711054.6/4

+ sign 109.596+/-0.026 χ^2/NDF: 2927686.4/21

All: 107.012+/-0.018 χ^2/NDF: 6493207.7/44

- sign 104.497+/-0.025 χ^2/NDF: 3545589.1/22



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.019+/-0.056 χ^2/NDF:10.8/5

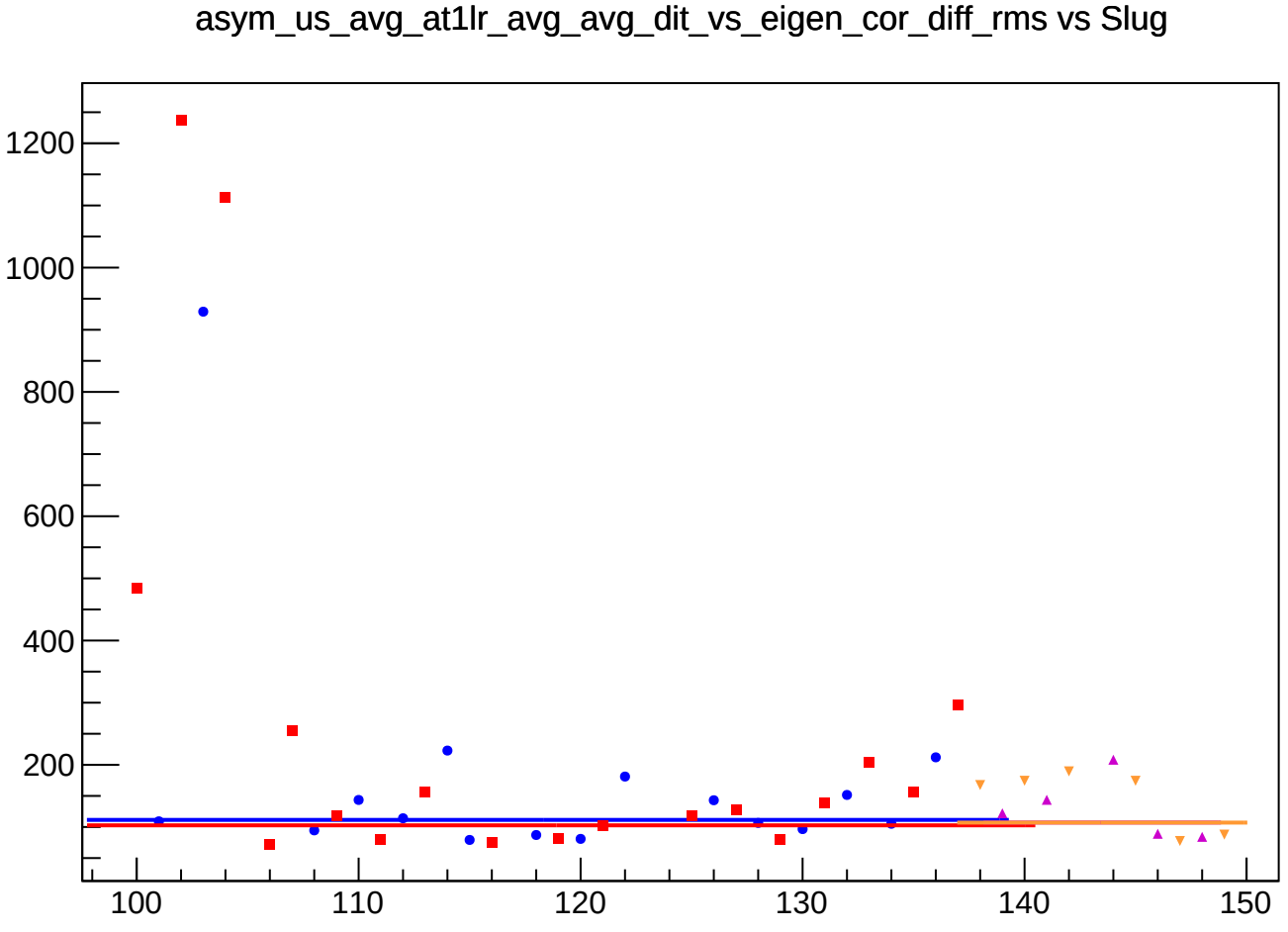
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.100+/-0.057 χ^2/NDF:8.9/4

+ sign -0.020+/-0.036 χ^2/NDF: 26.4/21

All: 0.028+/-0.026 χ^2/NDF: 56.0/44

- 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: 107.067+/-0.040 χ^2/NDF:1081398.1/5

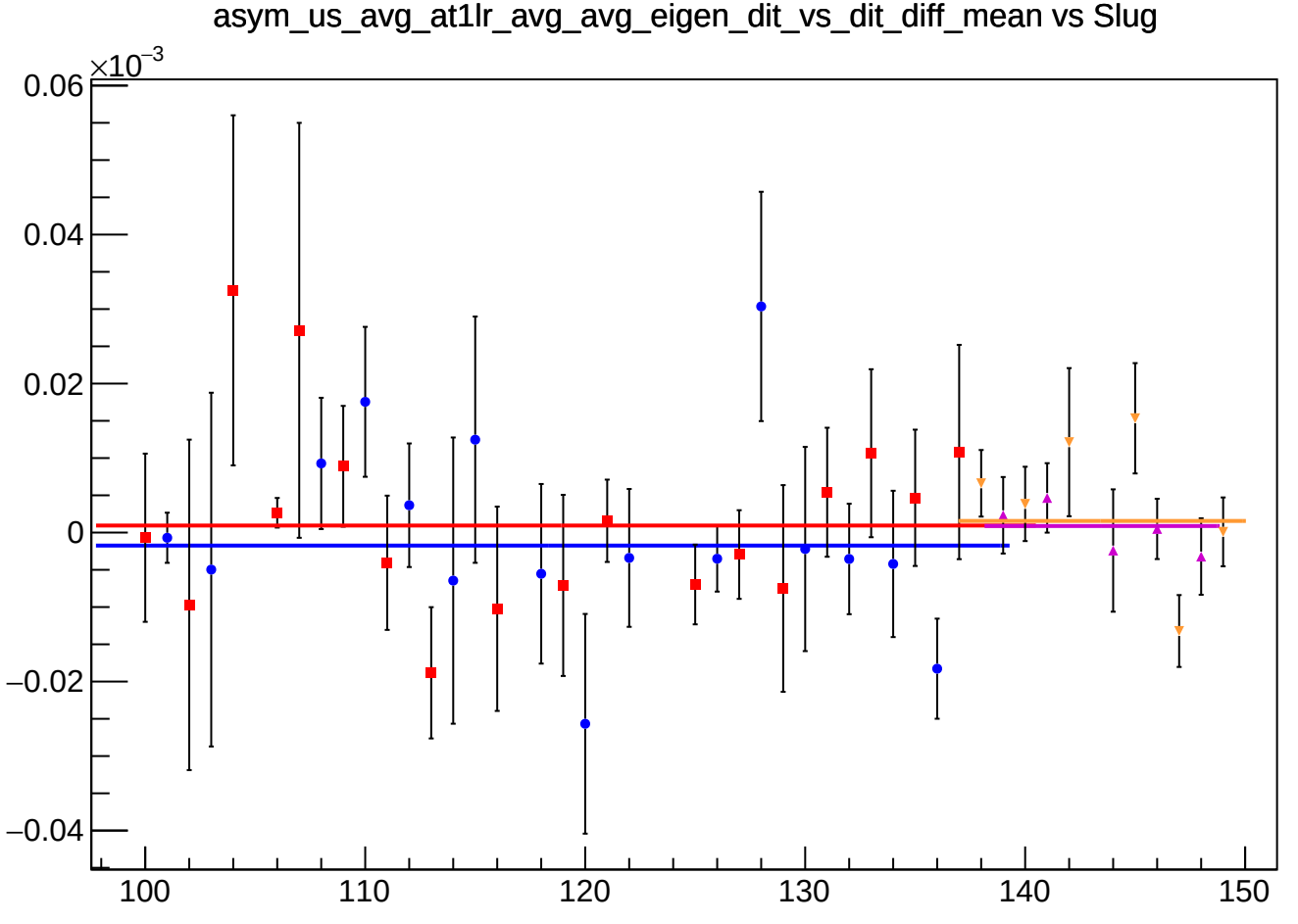
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 107.207+/-0.040 χ^2/NDF:711054.6/4

+ sign 109.596+/-0.026 χ^2/NDF: 2927686.4/21

All: 107.012+/-0.018 χ^2/NDF: 6493207.7/44

- sign 104.497+/-0.025 χ^2/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:15.6/5

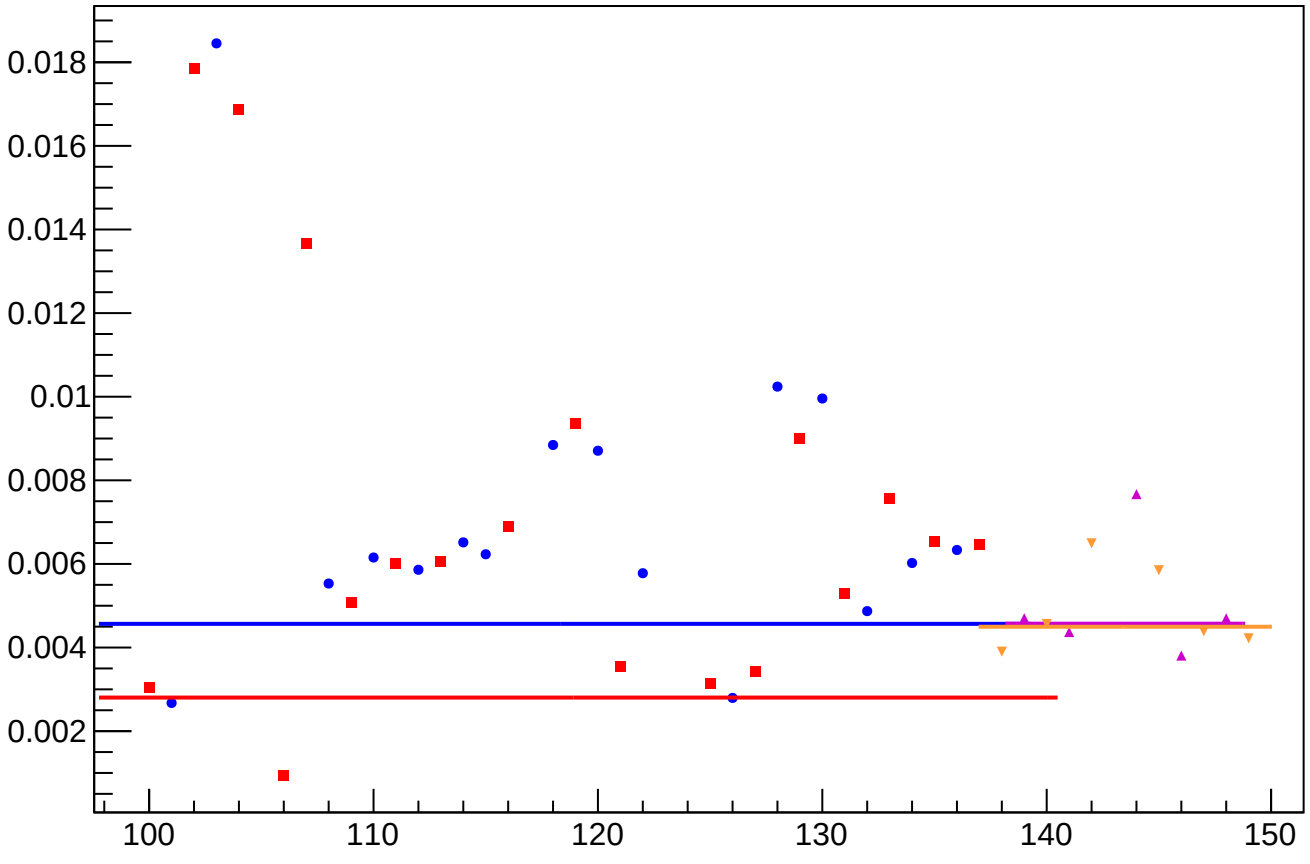
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

+ sign -0.000+/-0.000 χ^2/NDF: 36.9/21

All: 0.000+/-0.000 χ^2/NDF: 54.6/44

- 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: 0.004+/-0.000 χ^2/NDF:191403.8/5

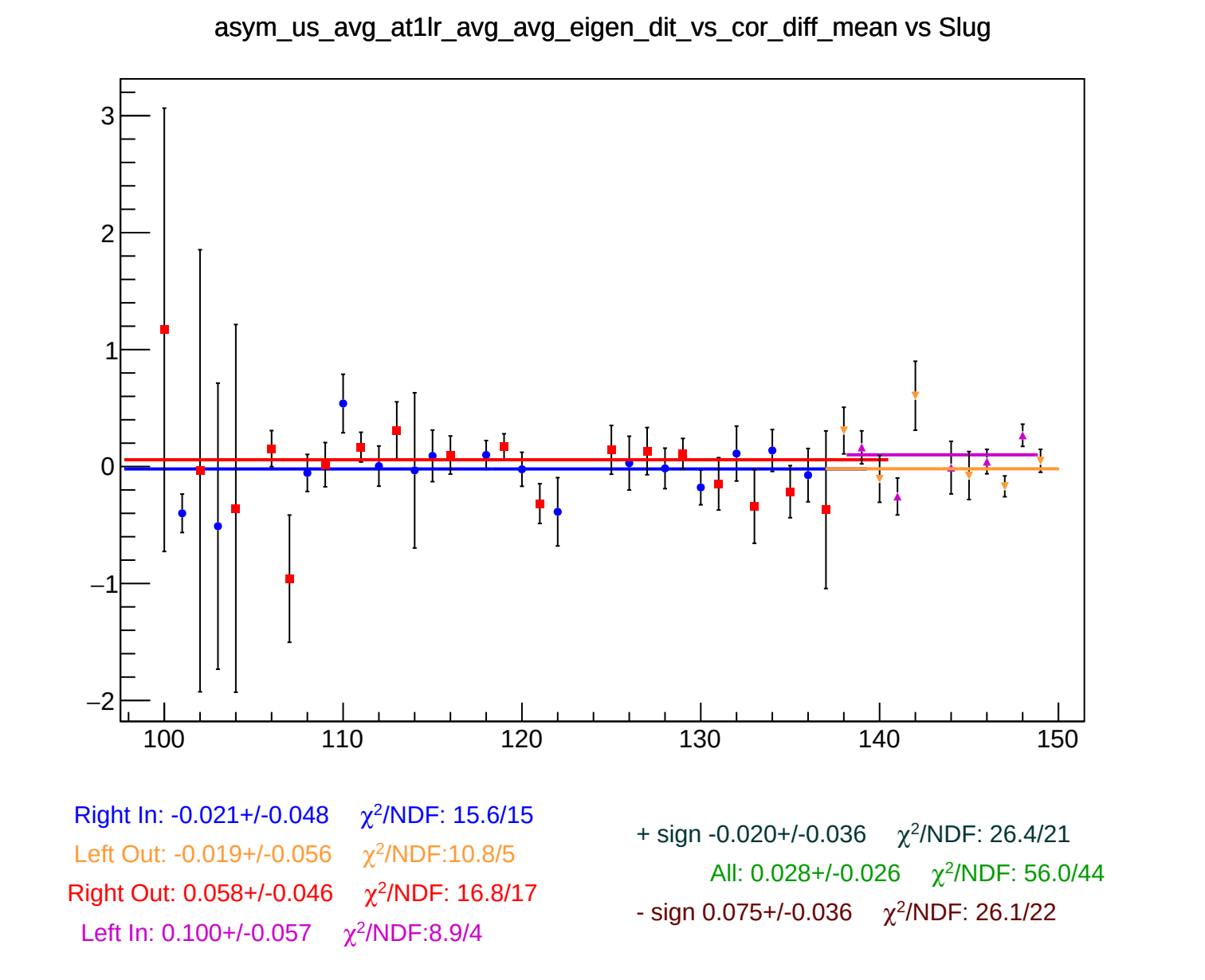
Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

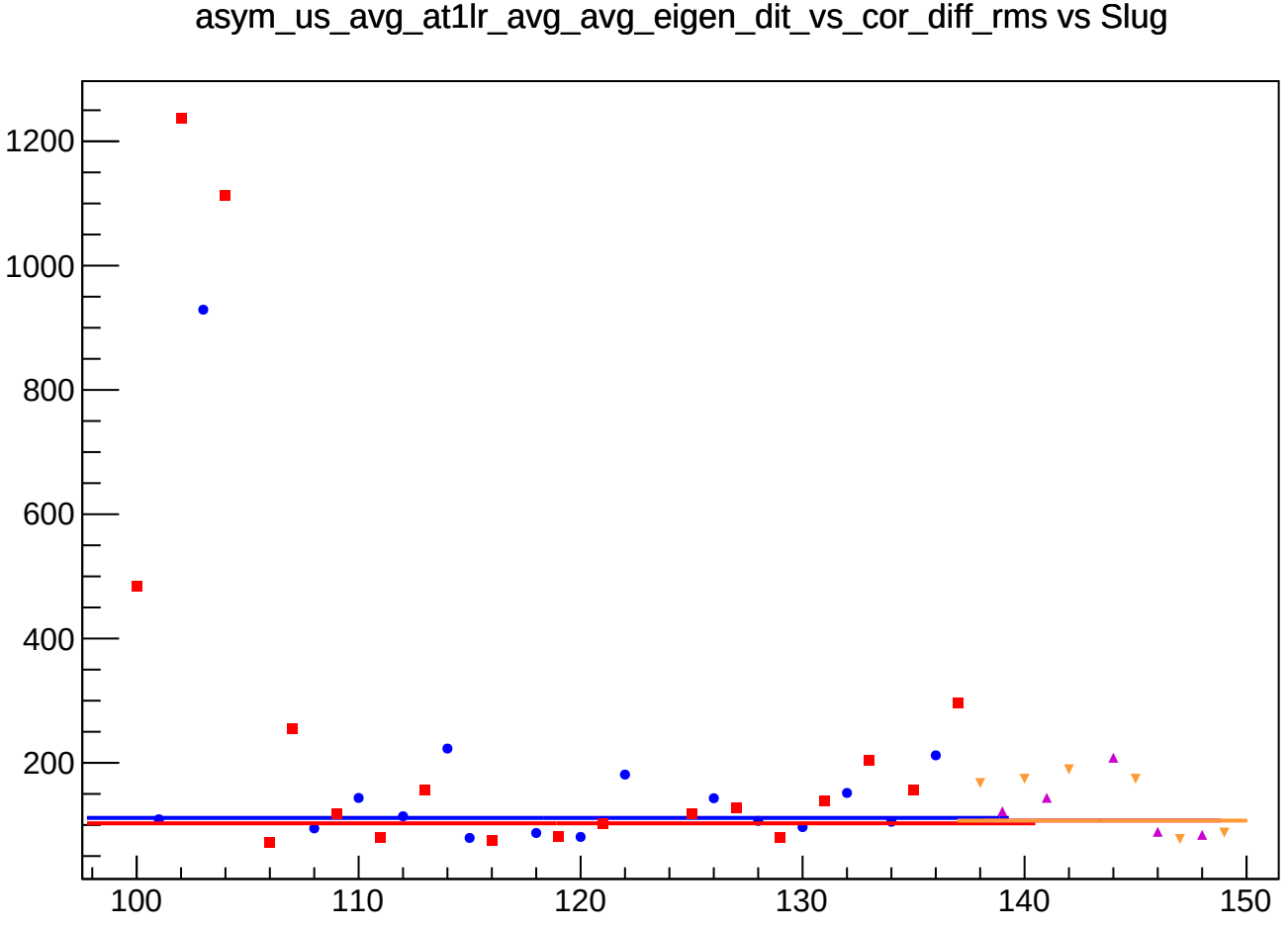
Left In: 0.005+/-0.000 χ^2/NDF:362191.3/4

+ sign 0.005+/-0.000 χ^2/NDF: 3204797.0/21

All: 0.004+/-0.000 χ^2/NDF: 11834334.0/44

- 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: -0.019+/-0.056 χ²/NDF:10.8/5
Right Out: 0.058+/-0.046 χ²/NDF: 16.8/17
Left In: 0.100+/-0.057 χ²/NDF:8.9/4
+ sign -0.020+/-0.036 χ²/NDF: 26.4/21
All: 0.028+/-0.026 χ²/NDF: 56.0/44
- sign 0.075+/-0.036 χ²/NDF: 26.1/22



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 107.068+/-0.040 χ^2/NDF:1081368.9/5

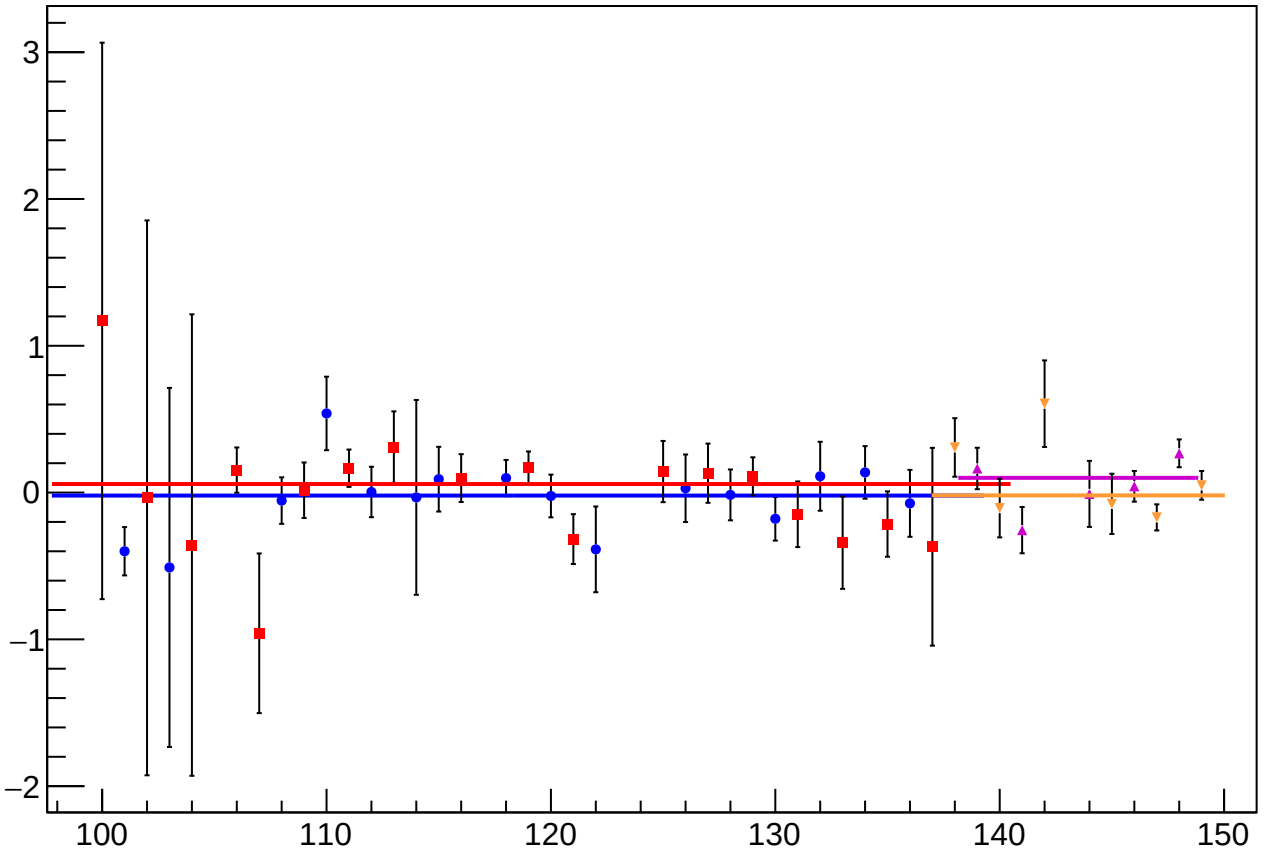
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 107.207+/-0.040 χ^2/NDF:711056.6/4

+ sign 109.595+/-0.026 χ^2/NDF: 2927692.0/21

All: 107.011+/-0.018 χ^2/NDF: 6493215.3/44

- sign 104.496+/-0.025 χ^2/NDF: 3545592.8/22



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.019+/-0.056 χ^2/NDF:10.8/5

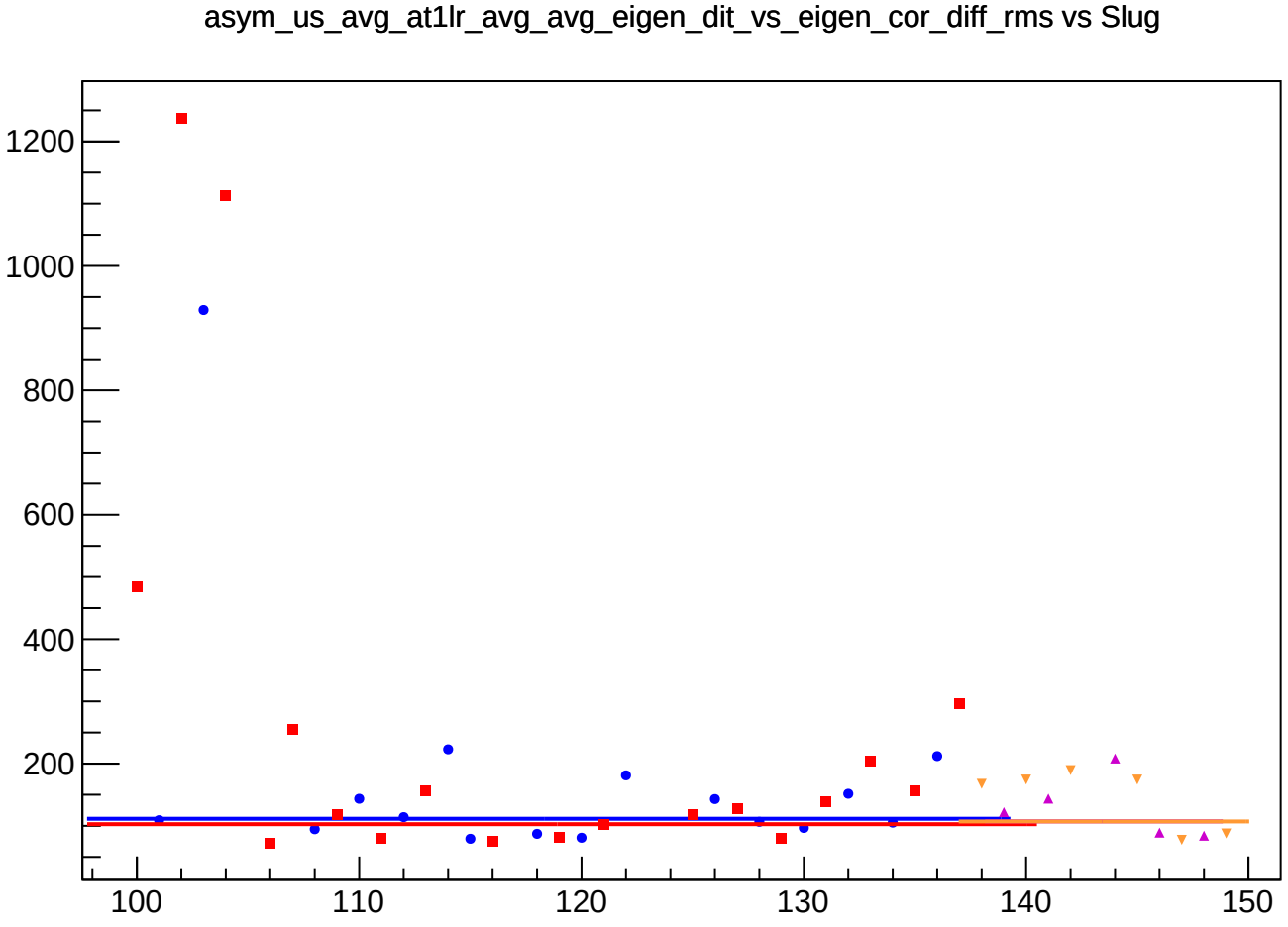
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

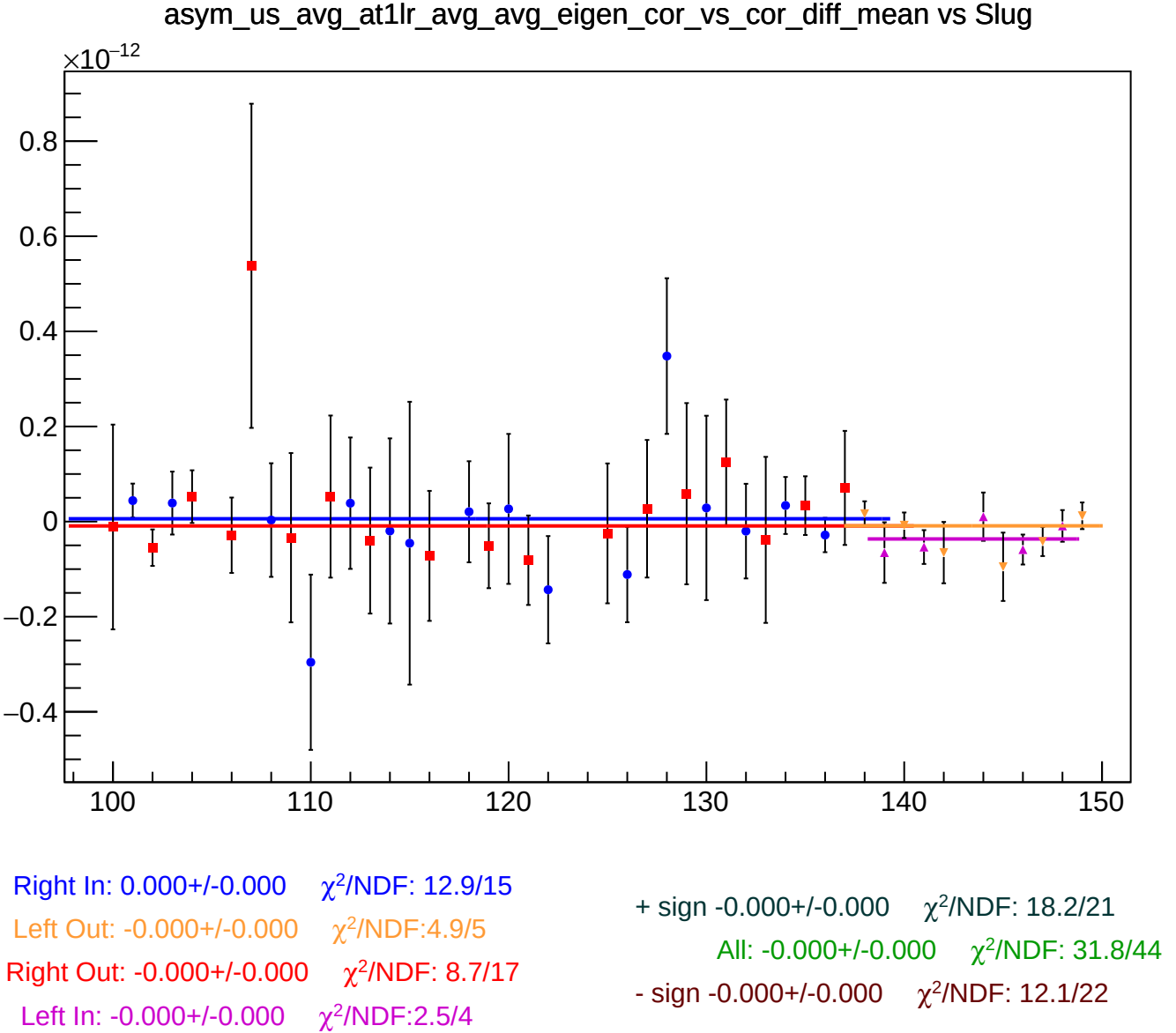
Left In: 0.100+/-0.057 χ^2/NDF:8.9/4

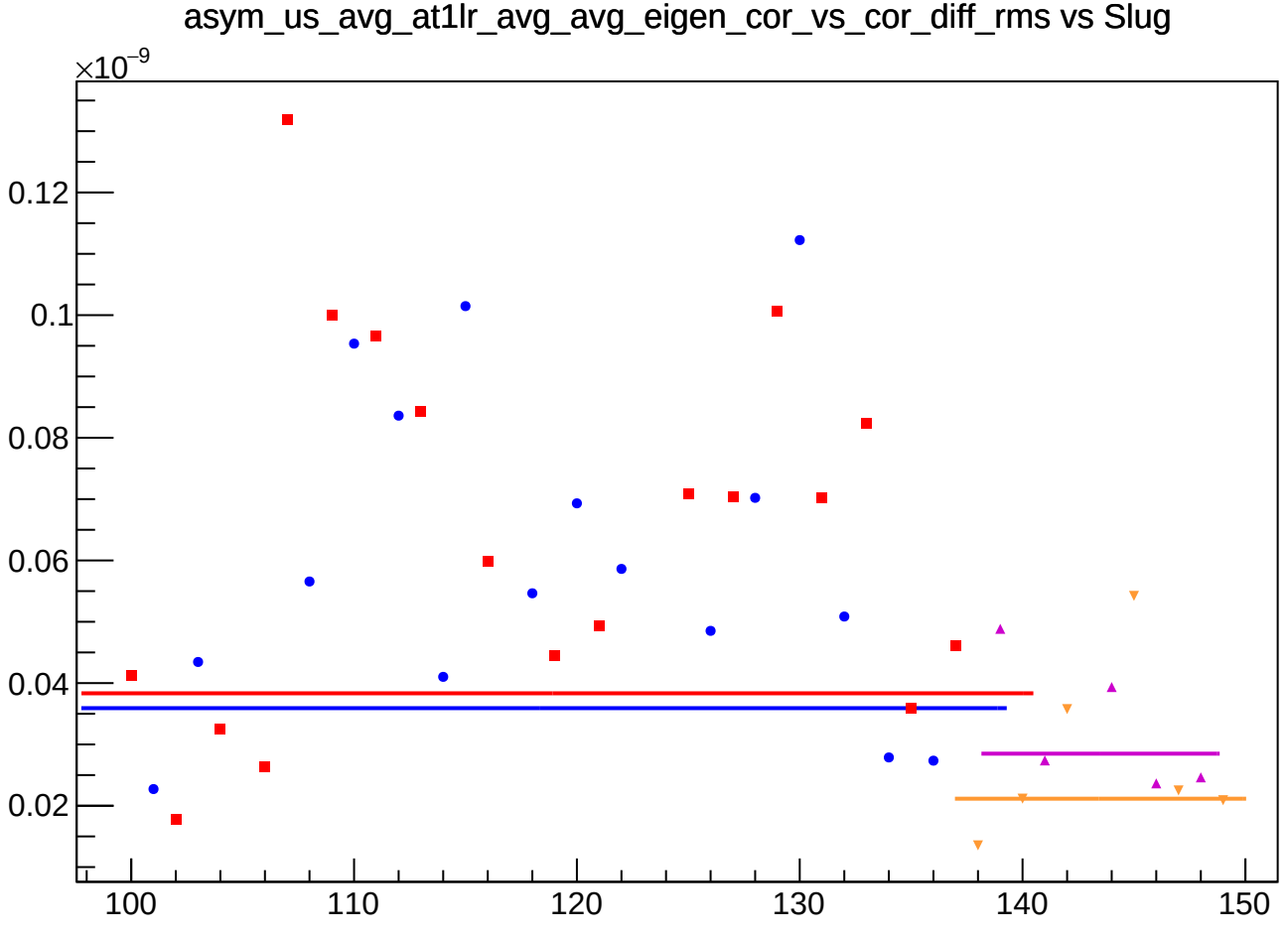
+ sign -0.020+/-0.036 χ^2/NDF: 26.4/21

All: 0.028+/-0.026 χ^2/NDF: 56.0/44

- 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
800
600
400
200
100
110
120
130
140
150
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 107.068+/-0.040 χ²/NDF:1081368.9/5
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 107.207+/-0.040 χ²/NDF:711056.6/4
+ sign 109.595+/-0.026 χ²/NDF: 2927692.0/21
All: 107.011+/-0.018 χ²/NDF: 6493215.3/44
- sign 104.496+/-0.025 χ²/NDF: 3545592.8/22


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:4.9/5
Right Out: -0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:2.5/4
+ sign -0.000+/-0.000 χ²/NDF: 18.2/21
All: -0.000+/-0.000 χ²/NDF: 31.8/44
- sign -0.000+/-0.000 χ²/NDF: 12.1/22



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:697990.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

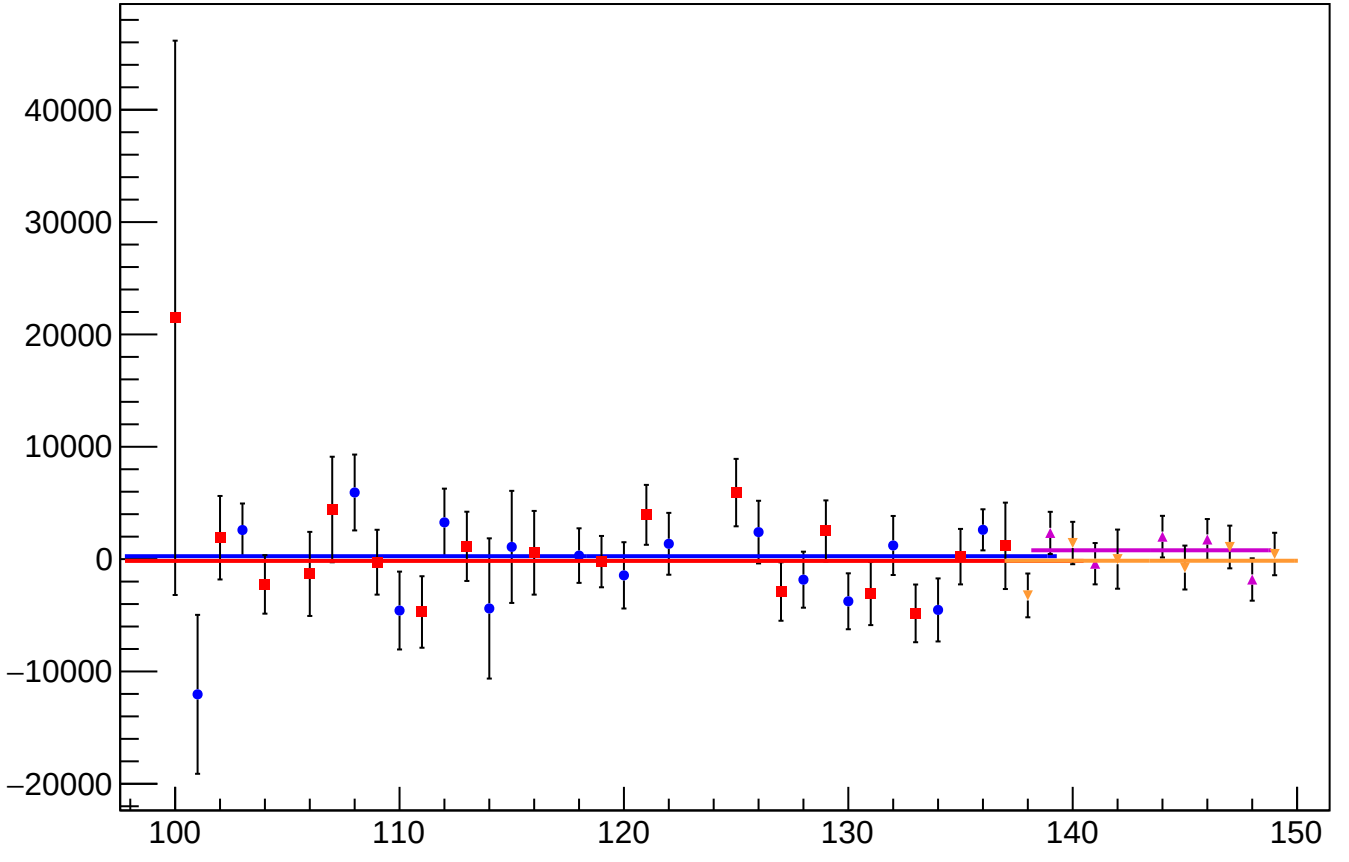
Left In: 0.000+/-0.000 χ^2/NDF:371877.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 3255222.5/21

All: 0.000+/-0.000 χ^2/NDF: 6350485.4/44

- sign 0.000+/-0.000 χ^2/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: -144.725+/-814.496 χ^2/NDF:3.8/5

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

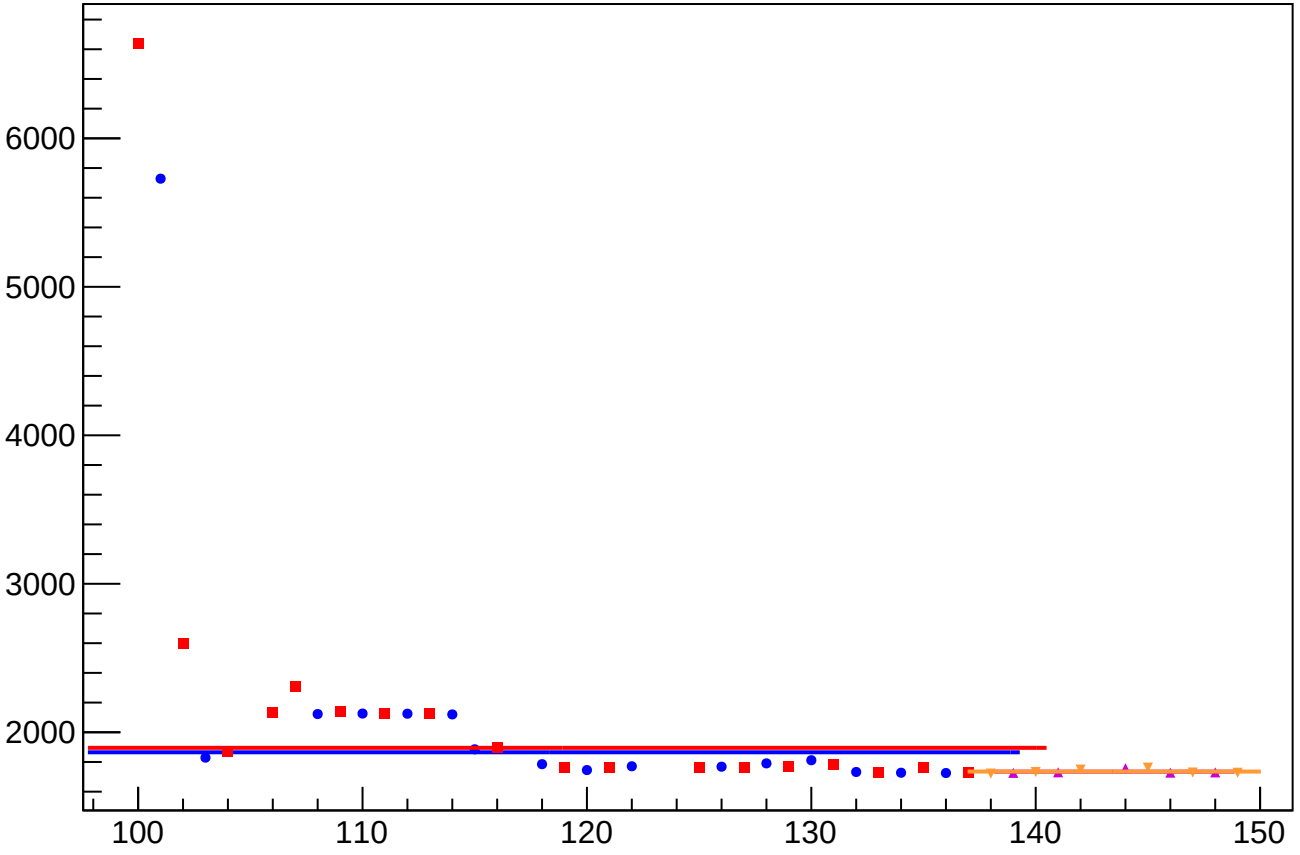
Left In: 786.091+/-829.336 χ^2/NDF:3.7/4

+ sign 85.051+/-535.074 χ^2/NDF: 23.4/21

All: 162.768+/-380.210 χ^2/NDF: 46.0/44

- 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: 1735.558+/-0.576 χ^2/NDF:580.4/5

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

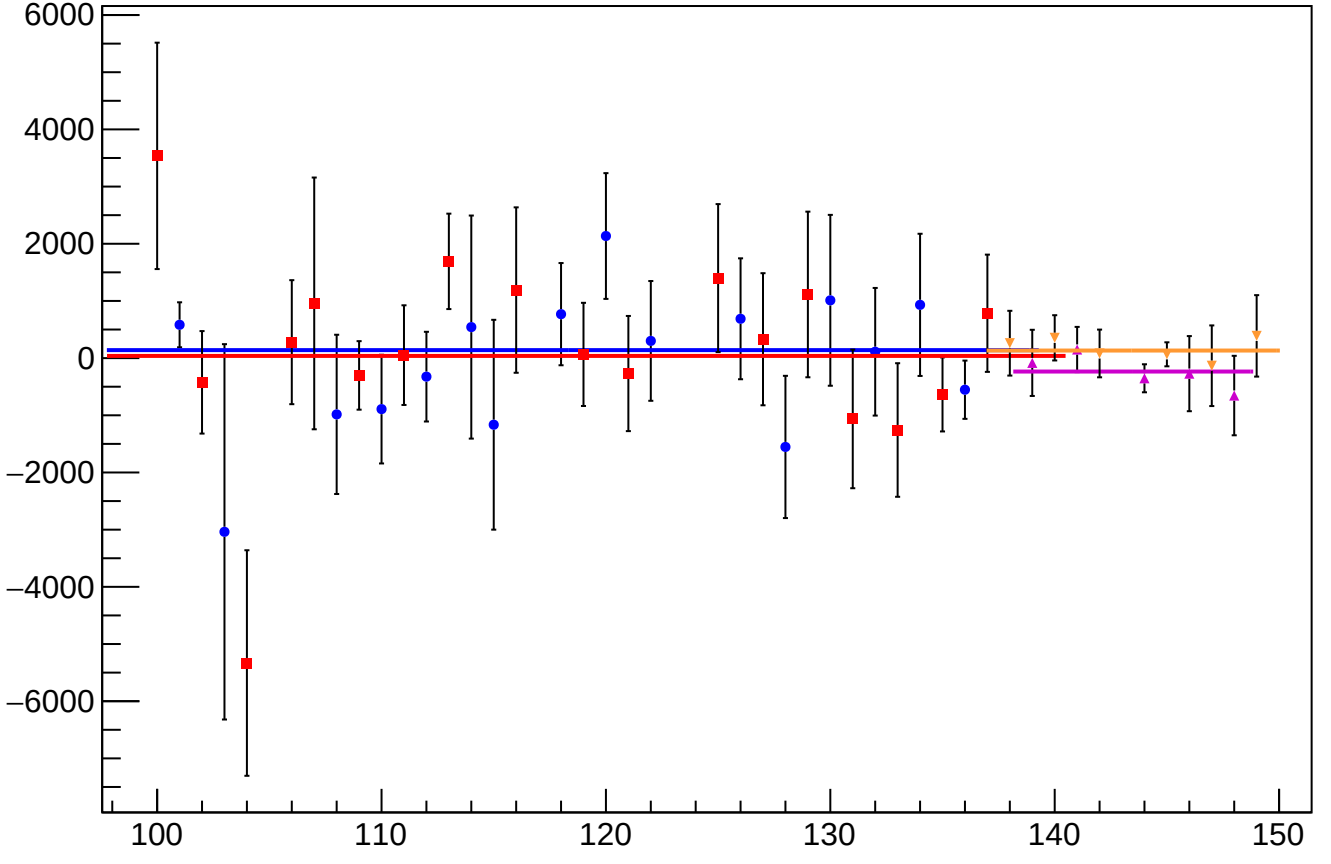
Left In: 1734.721+/-0.586 χ^2/NDF:399.9/4

+ sign 1809.234+/-0.378 χ^2/NDF: 702094.1/21

All: 1818.079+/-0.269 χ^2/NDF: 997526.7/44

- sign 1827.101+/-0.382 χ^2/NDF: 294328.6/22

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 132.548+/-154.441 χ^2/NDF:0.8/5

Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

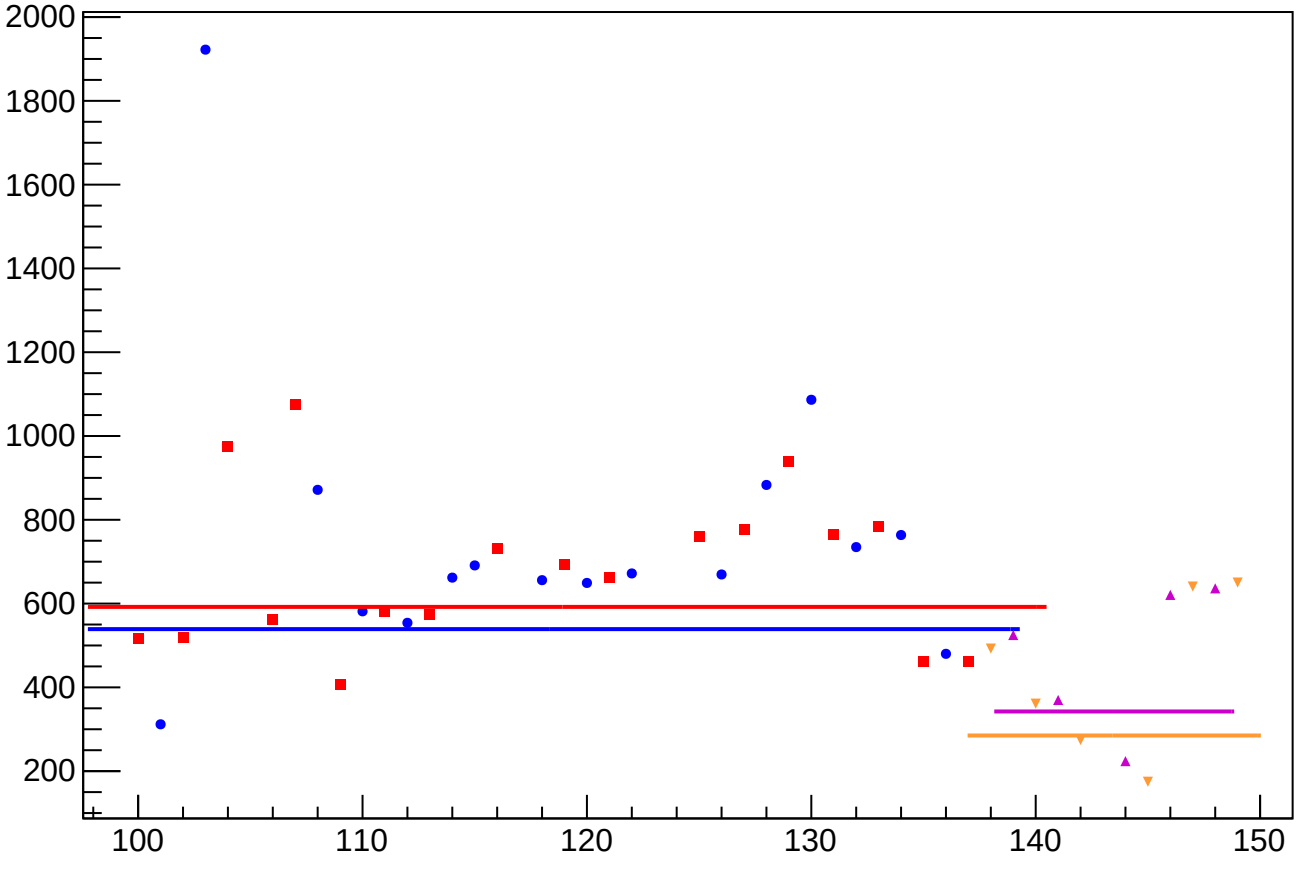
Left In: -234.756+/-181.283 χ^2/NDF:1.6/4

+ sign 134.940+/-126.423 χ^2/NDF: 14.2/21

All: 17.900+/-95.082 χ^2/NDF: 40.0/44

- sign -134.515+/-144.269 χ^2/NDF: 23.8/22

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 285.120+/-0.109 χ^2/NDF:1930449.1/5

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

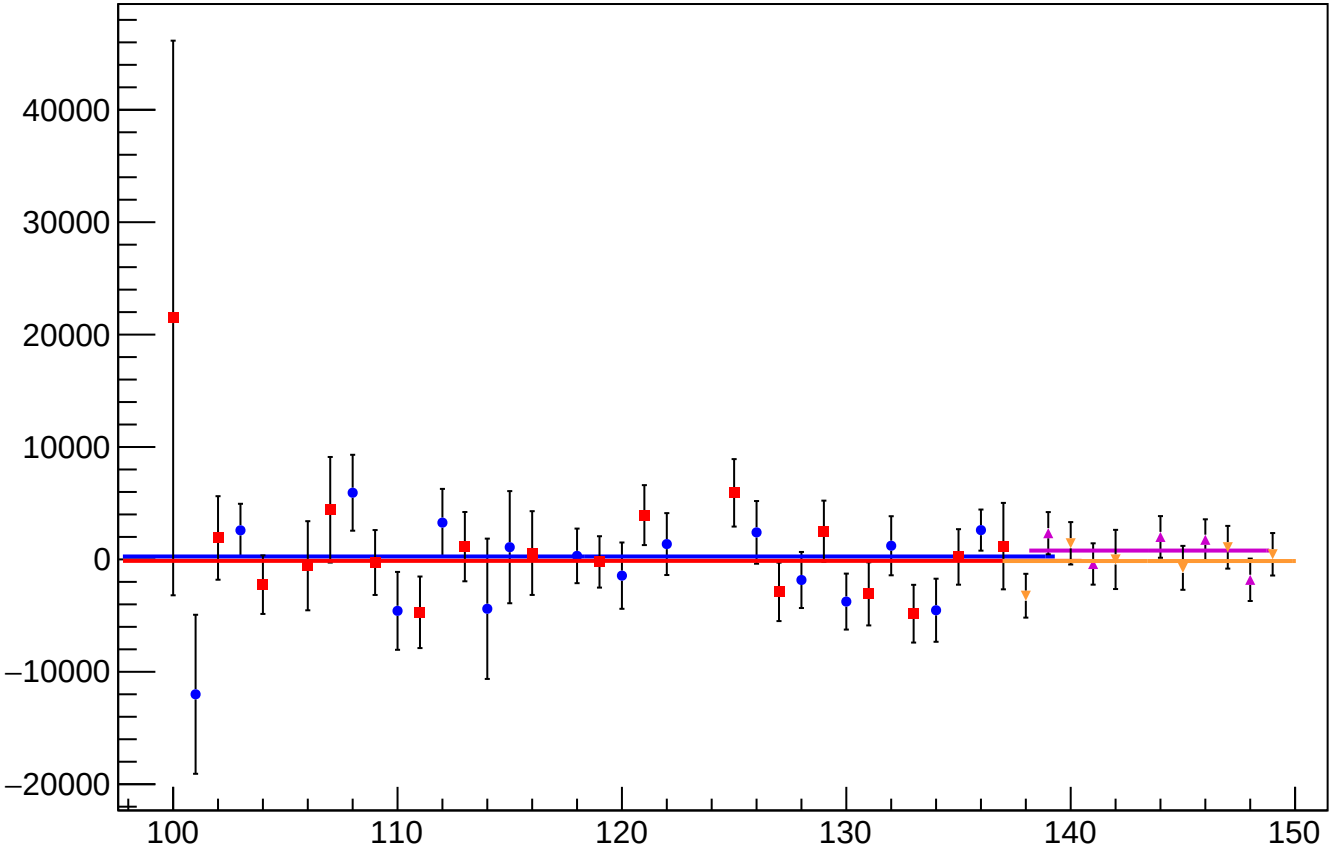
Left In: 342.465+/-0.128 χ^2/NDF:1393061.8/4

+ sign 368.886+/-0.089 χ^2/NDF: 5568331.2/21

All: 397.168+/-0.067 χ^2/NDF: 9425485.3/44

- 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: -144.541+/-814.496 χ^2/NDF:3.8/5

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

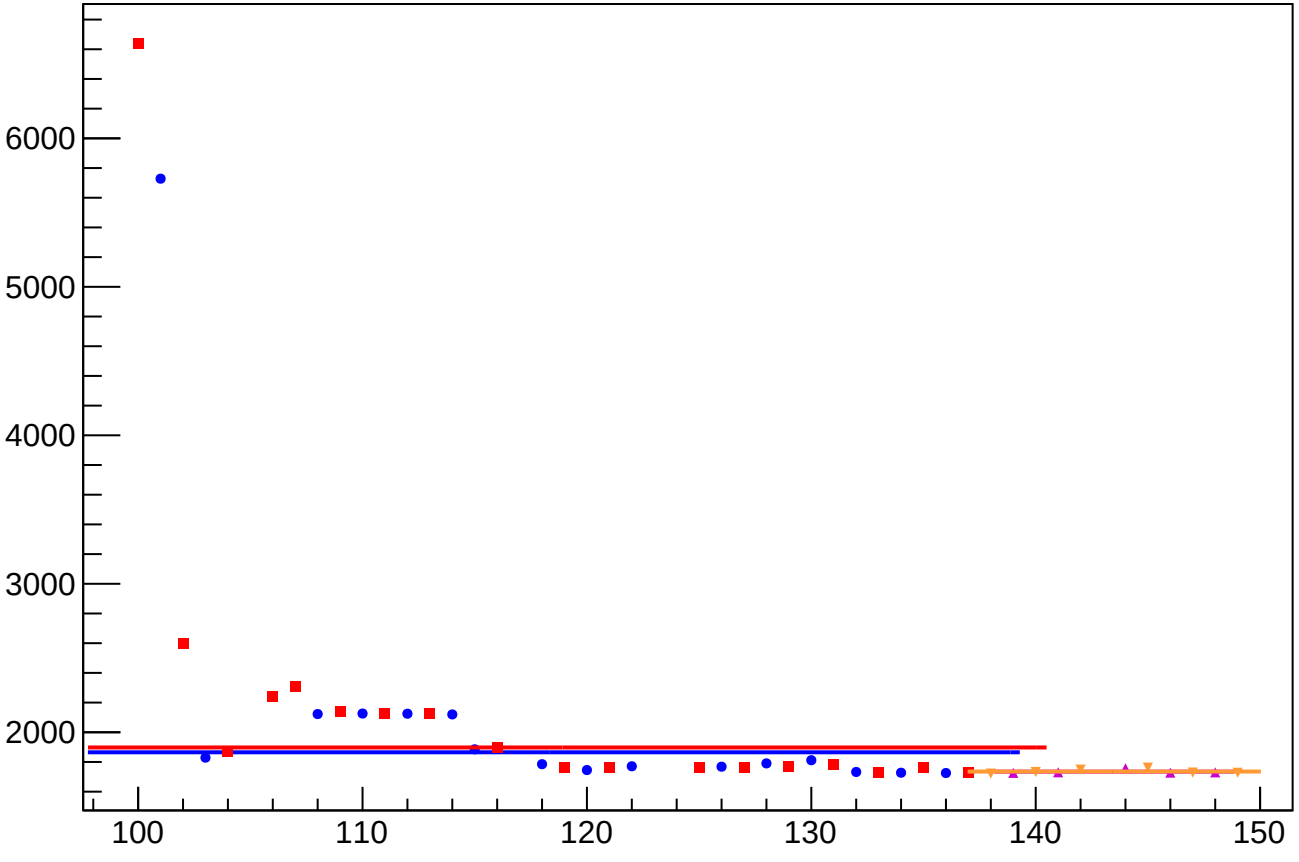
Left In: 786.233+/-829.336 χ^2/NDF:3.7/4

\+ sign 85.236+/-535.074 χ^2/NDF: 23.4/21

All: 171.573+/-380.424 χ^2/NDF: 45.8/44

\- 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: 1735.558+/-0.576 χ^2/NDF:580.4/5

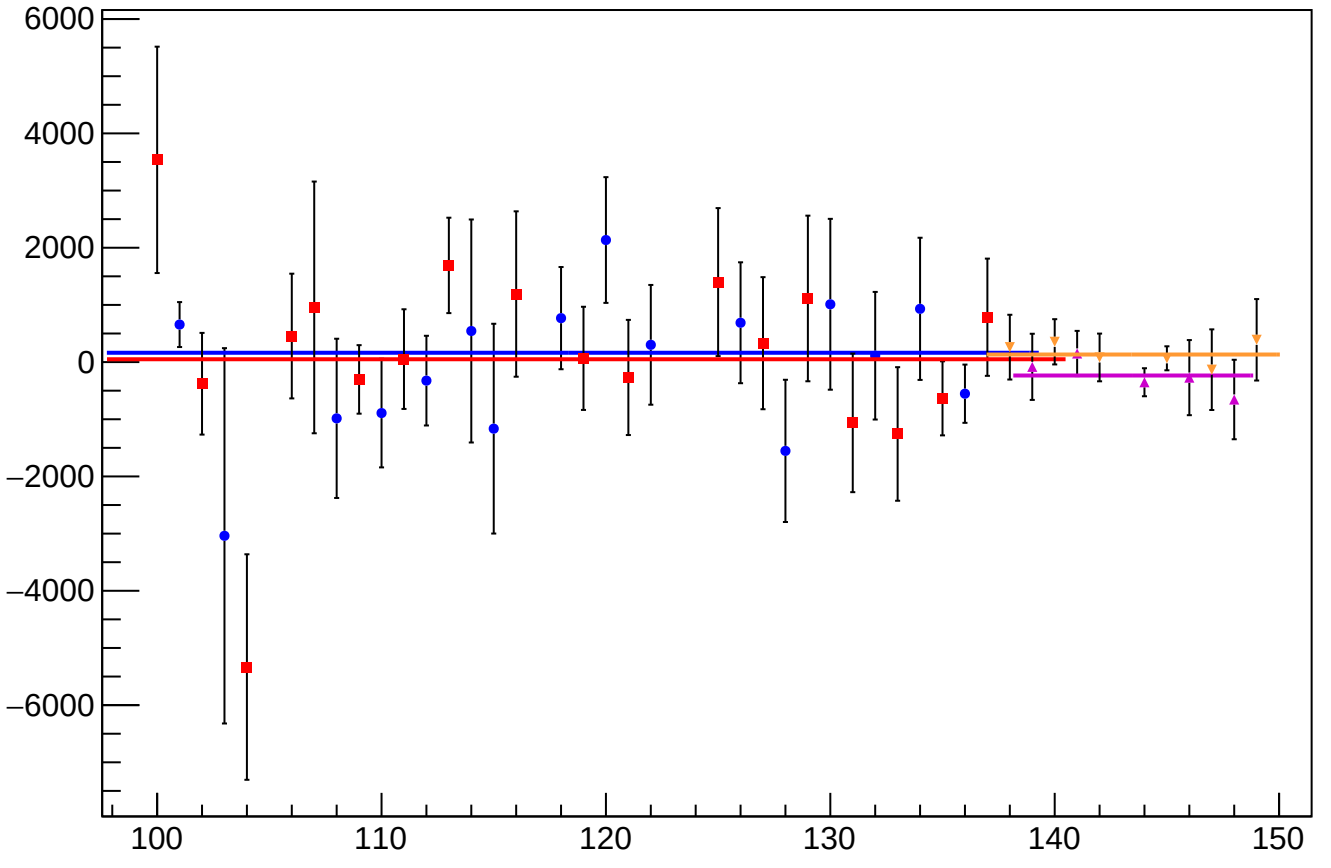
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.721+/-0.586 χ^2/NDF:399.9/4

+ sign 1809.234+/-0.378 χ^2/NDF: 702094.0/21

All: 1818.689+/-0.269 χ^2/NDF: 1005865.9/44

- 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: 132.410+/-154.445 χ^2/NDF:0.8/5

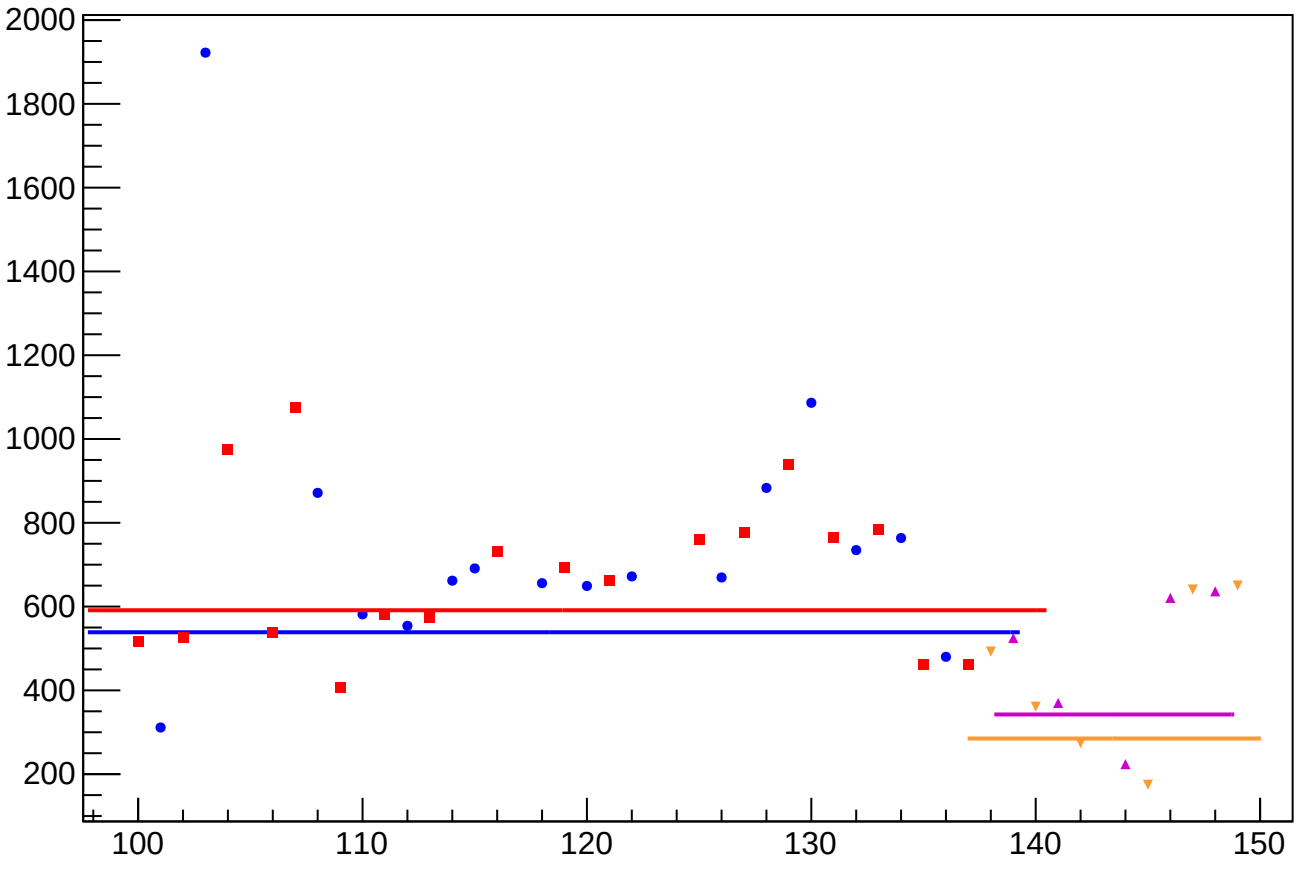
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -234.730+/-181.284 χ^2/NDF:1.6/4

+ sign 142.556+/-126.410 χ^2/NDF: 14.7/21

All: 23.982+/-95.073 χ^2/NDF: 40.7/44

- 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: 285.127+/-0.109 χ^2/NDF:1930413.8/5

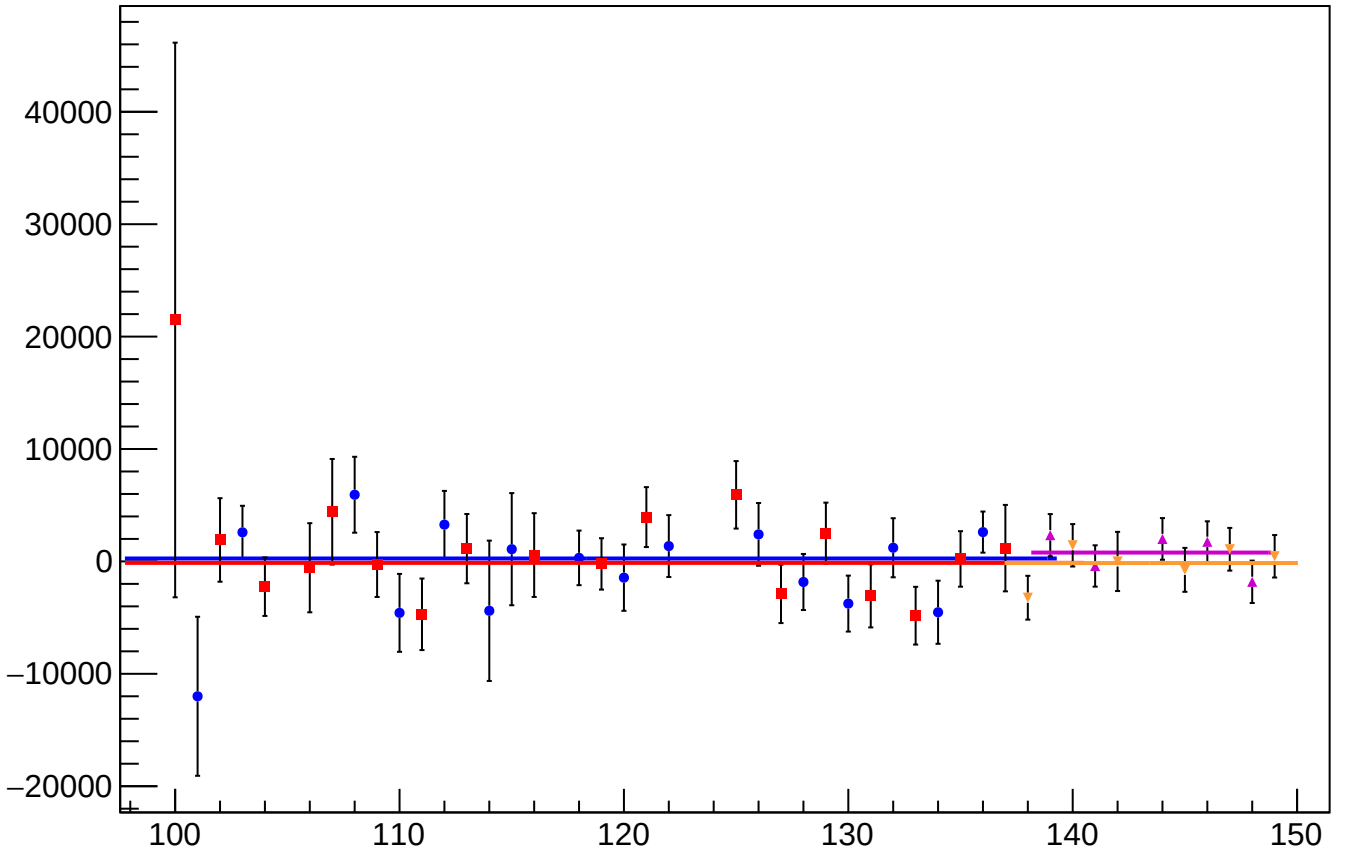
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 342.475+/-0.128 χ^2/NDF:1392917.6/4

+ sign 368.829+/-0.089 χ^2/NDF: 5568923.4/21

All: 397.013+/-0.067 χ^2/NDF: 9416594.3/44

- 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: -144.541+/-814.496 χ^2/NDF:3.8/5

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

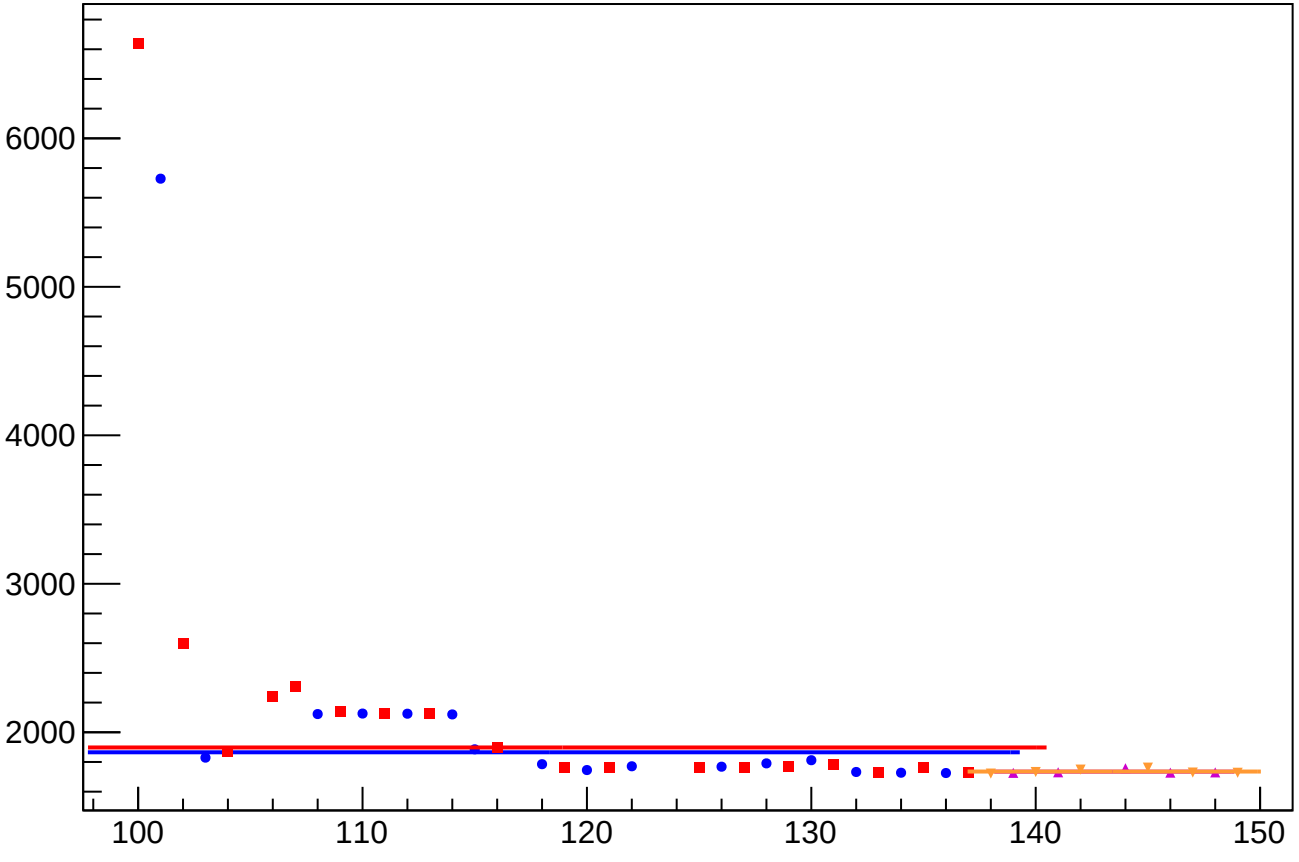
Left In: 786.233+/-829.336 χ^2/NDF:3.7/4

+ sign 85.236+/-535.074 χ^2/NDF: 23.4/21

All: 171.573+/-380.424 χ^2/NDF: 45.8/44

- 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: 1735.558+/-0.576 χ^2/NDF:580.4/5

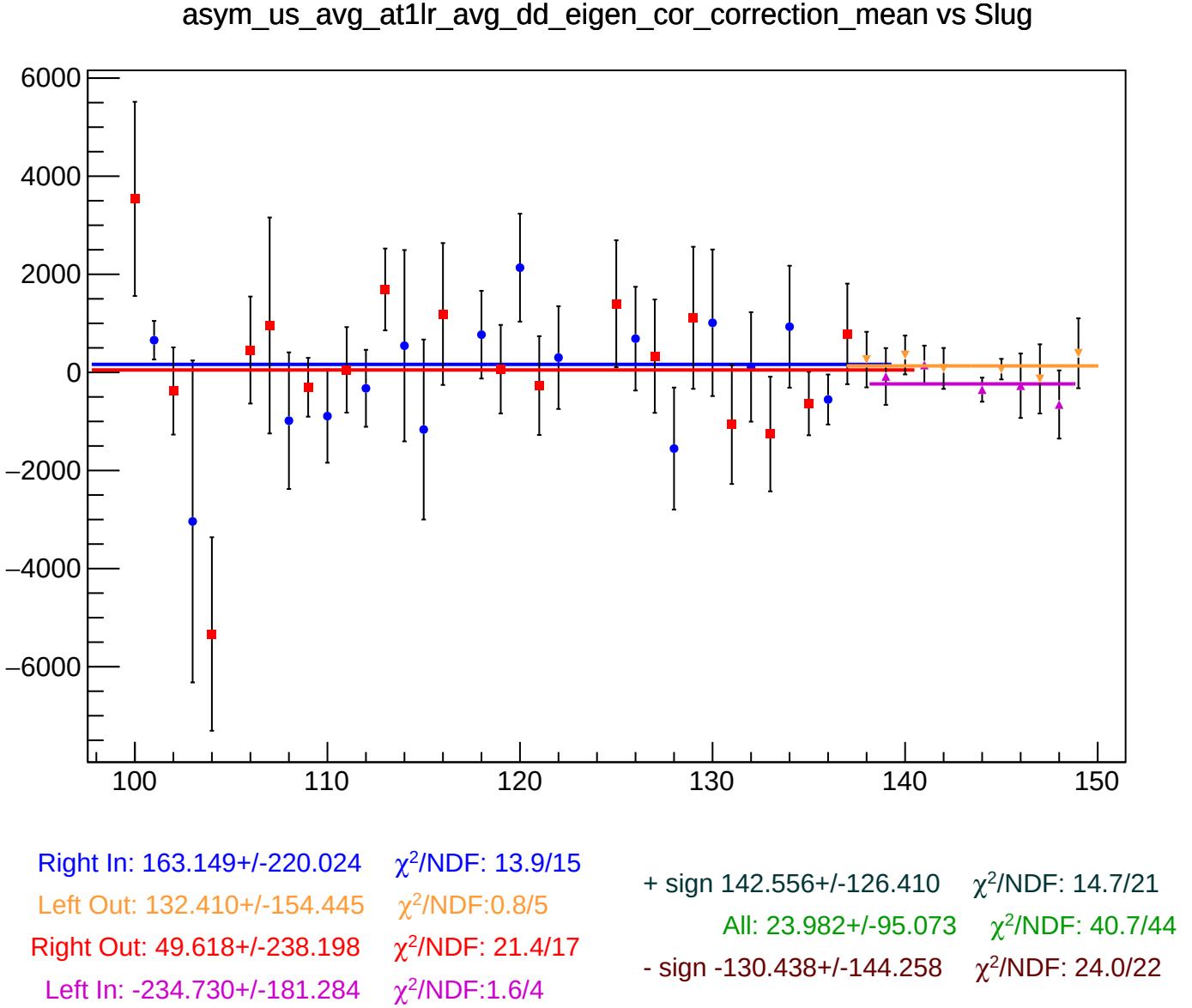
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.721+/-0.586 χ^2/NDF:399.9/4

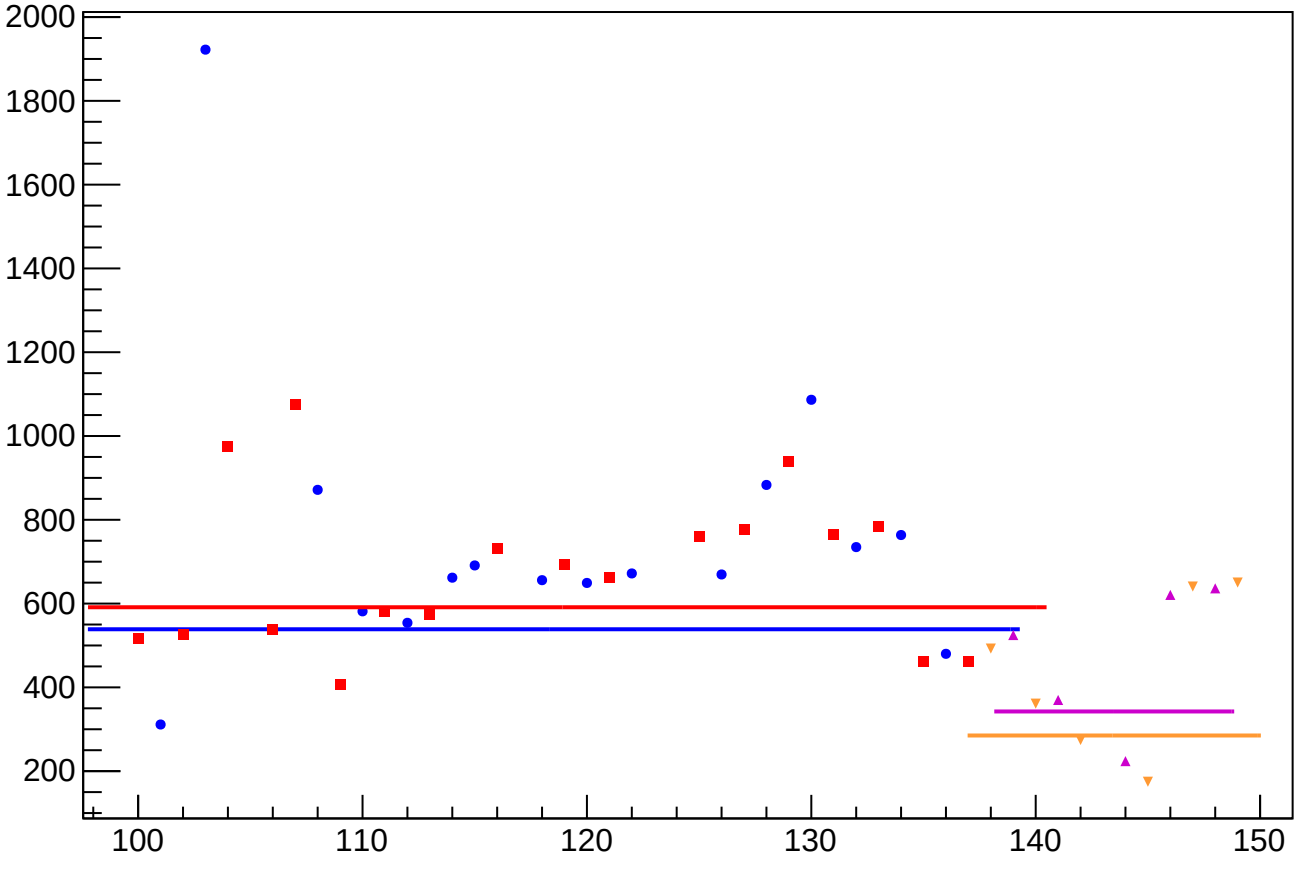
+ sign 1809.234+/-0.378 χ^2/NDF: 702094.0/21

All: 1818.689+/-0.269 χ^2/NDF: 1005865.9/44

- sign 1828.353+/-0.383 χ^2/NDF: 302509.0/22


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: 163.149+/-220.024 χ²/NDF: 13.9/15
Left Out: 132.410+/-154.445 χ²/NDF:0.8/5
Right Out: 49.618+/-238.198 χ²/NDF: 21.4/17
Left In: -234.730+/-181.284 χ²/NDF:1.6/4
+ sign 142.556+/-126.410 χ²/NDF: 14.7/21
All: 23.982+/-95.073 χ²/NDF: 40.7/44
- sign -130.438+/-144.258 χ²/NDF: 24.0/22

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 285.127+/-0.109 χ^2/NDF:1930413.8/5

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

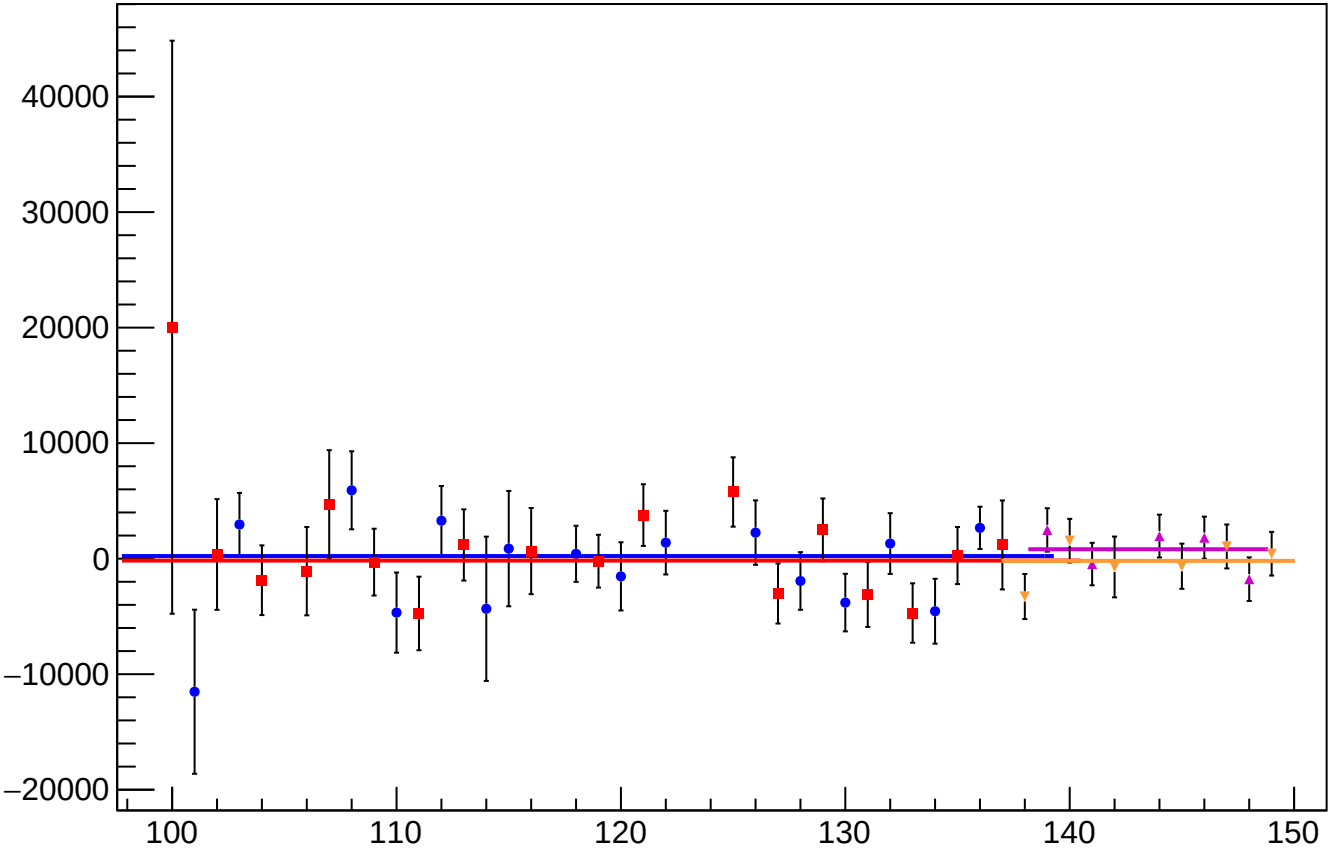
Left In: 342.475+/-0.128 χ^2/NDF:1392917.6/4

+ sign 368.829+/-0.089 χ^2/NDF: 5568923.4/21

All: 397.013+/-0.067 χ^2/NDF: 9416594.3/44

- 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: -190.520+/-814.914 χ^2/NDF:4.0/5

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

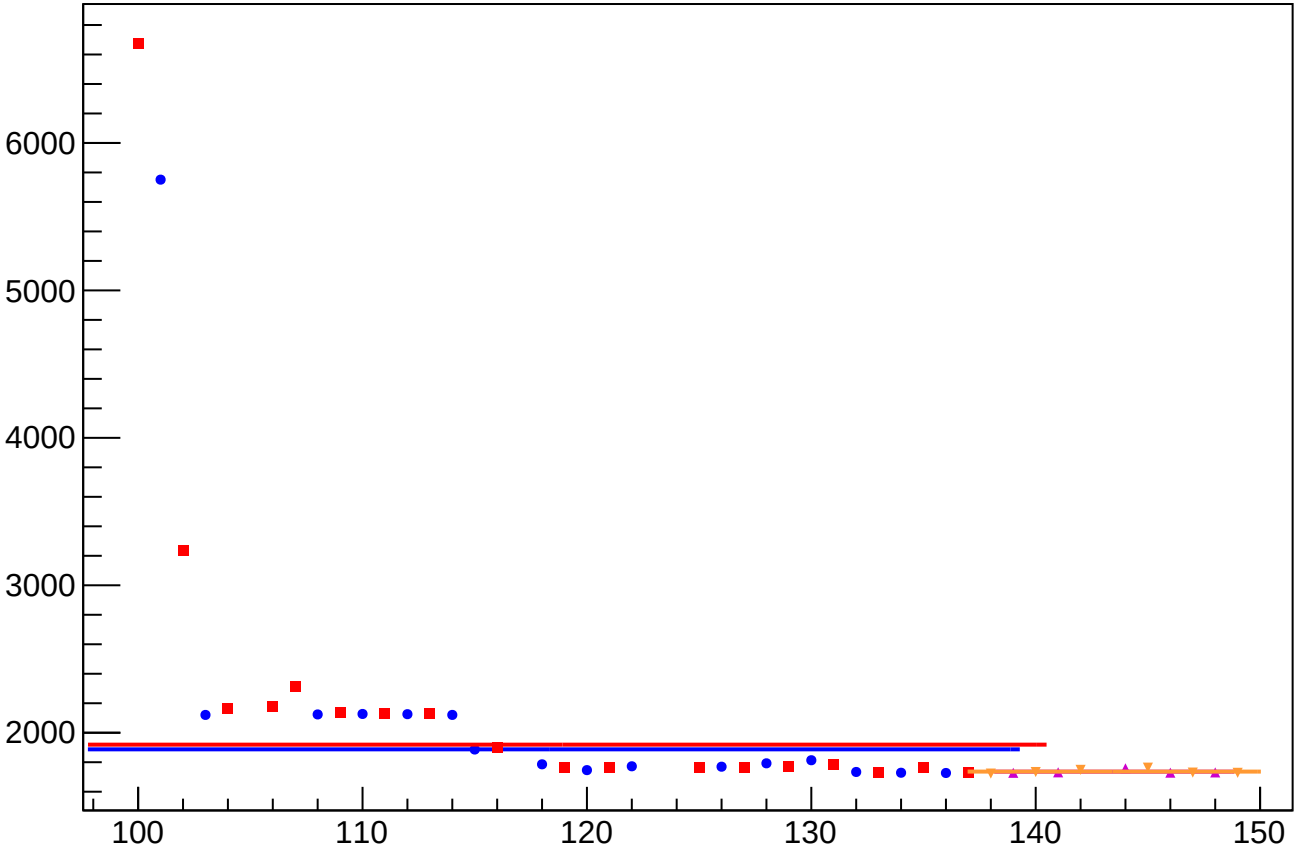
Left In: 817.943+/-829.841 χ^2/NDF:3.8/4

\+ sign 43.937+/-538.960 χ^2/NDF: 23.6/21

All: 151.369+/-383.678 χ^2/NDF: 45.3/44

\- 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: 1736.445+/-0.576 χ^2/NDF:577.4/5

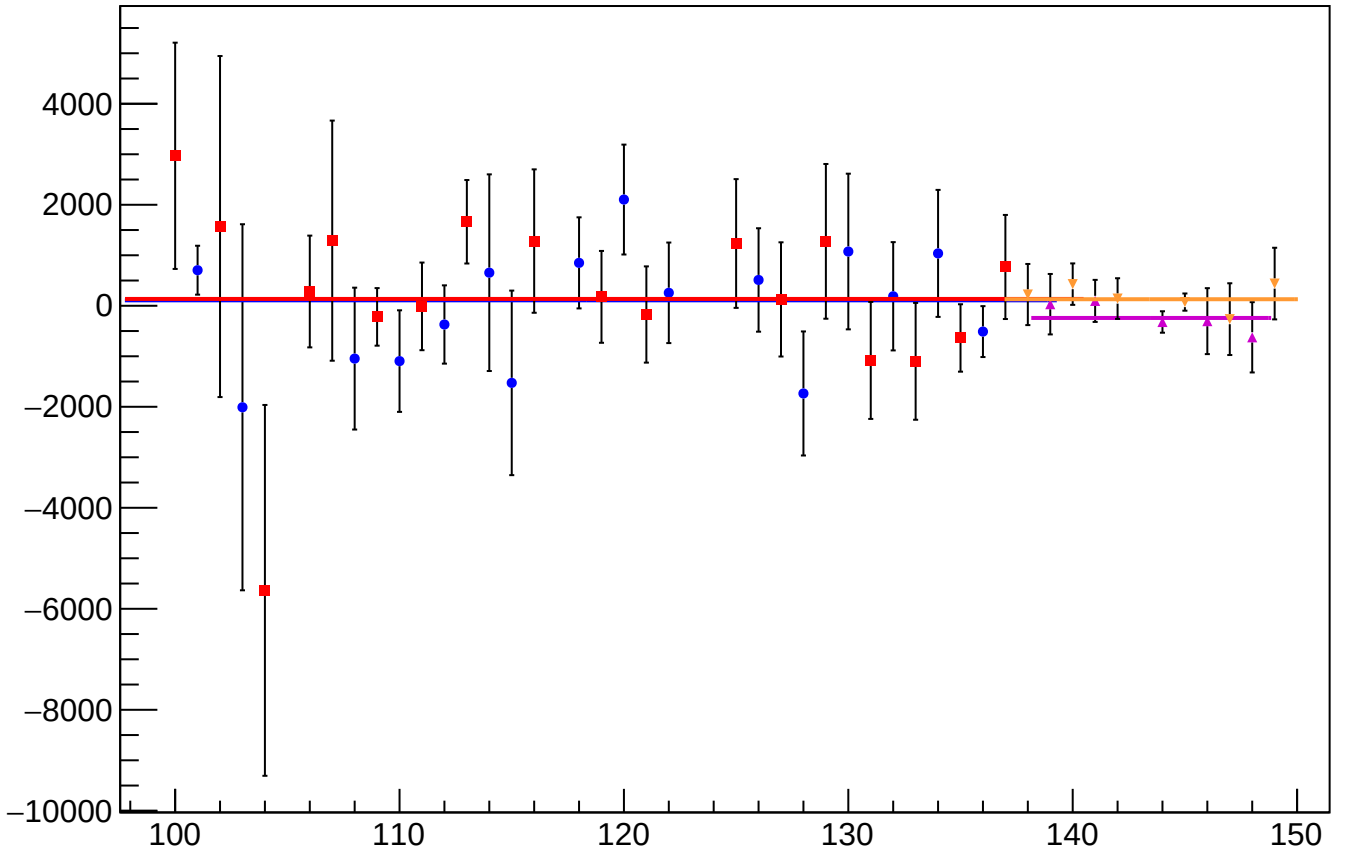
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.772+/-0.587 χ^2/NDF:391.1/4

+ sign 1821.320+/-0.381 χ^2/NDF: 728583.6/21

All: 1830.375+/-0.271 χ^2/NDF: 1138029.6/44

- 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: 129.640+/-136.997 χ^2/NDF:1.2/5

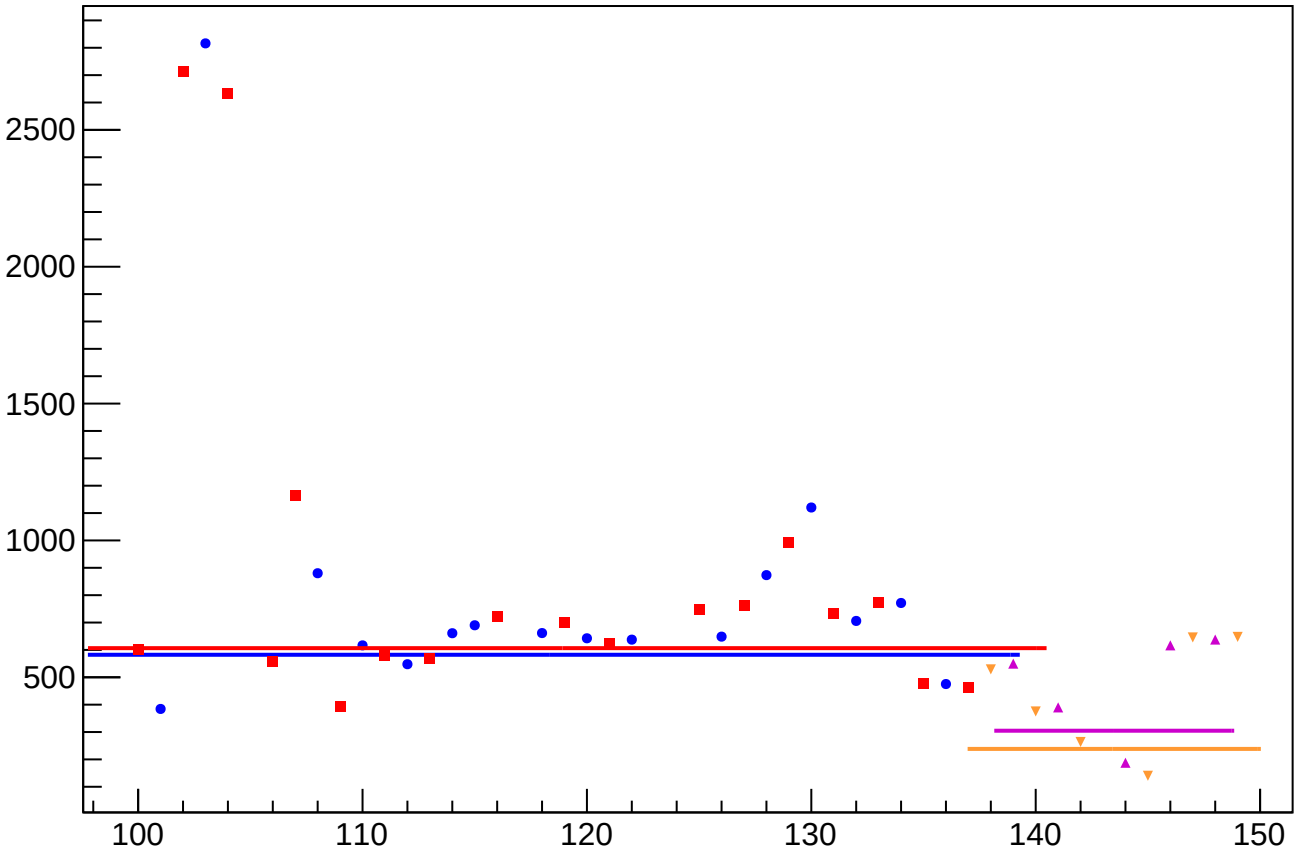
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -241.196+/-168.644 χ^2/NDF:1.3/4

+ sign 124.069+/-117.927 χ^2/NDF: 15.3/21

All: 21.673+/-89.947 χ^2/NDF: 34.4/44

- 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: 238.337+/-0.097 χ^2/NDF:2678578.6/5

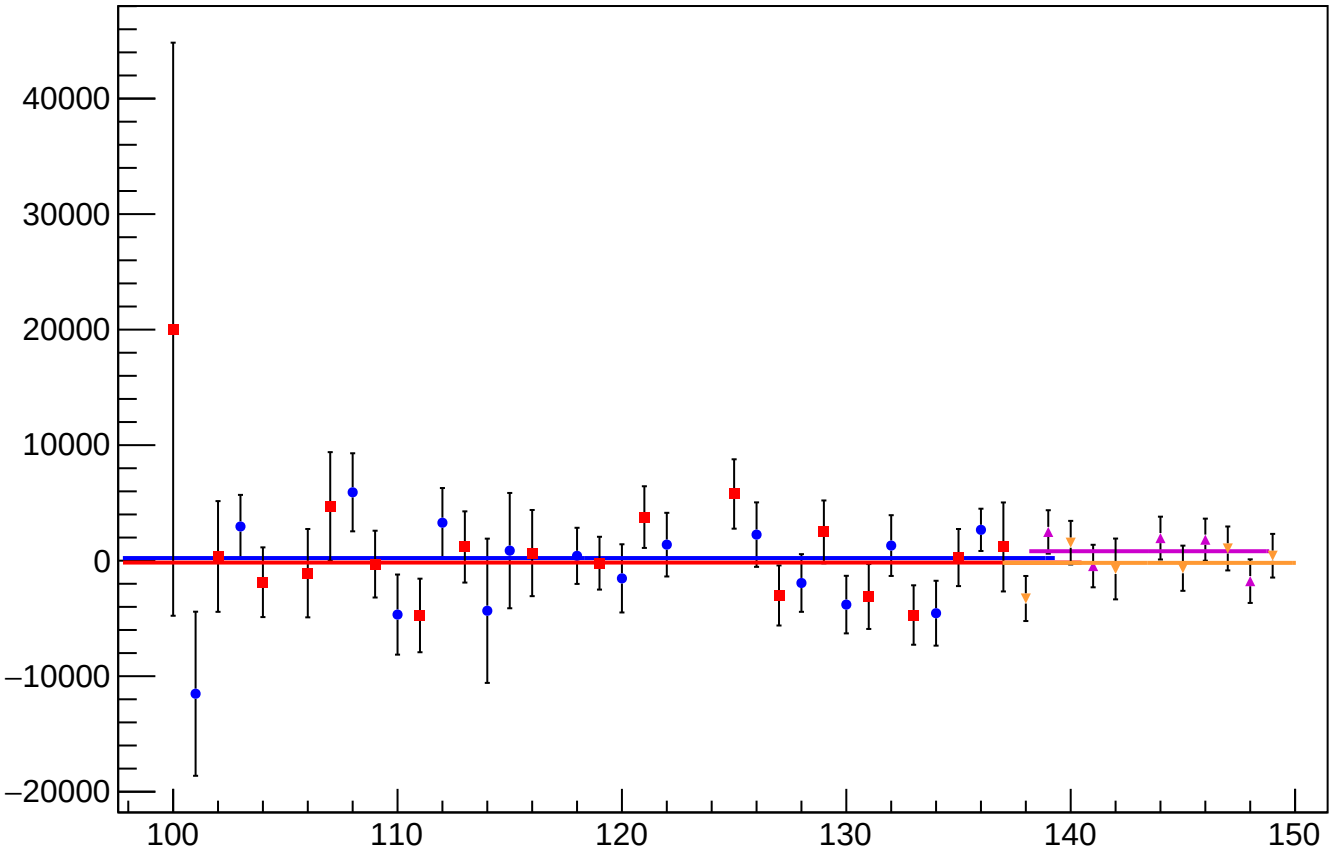
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 304.789+/-0.119 χ^2/NDF:1941189.2/4

+ sign 327.423+/-0.083 χ^2/NDF: 7697948.2/21

All: 358.308+/-0.064 χ^2/NDF: 14212242.9/44

- 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: -190.522+/-814.914 χ^2/NDF:4.0/5

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

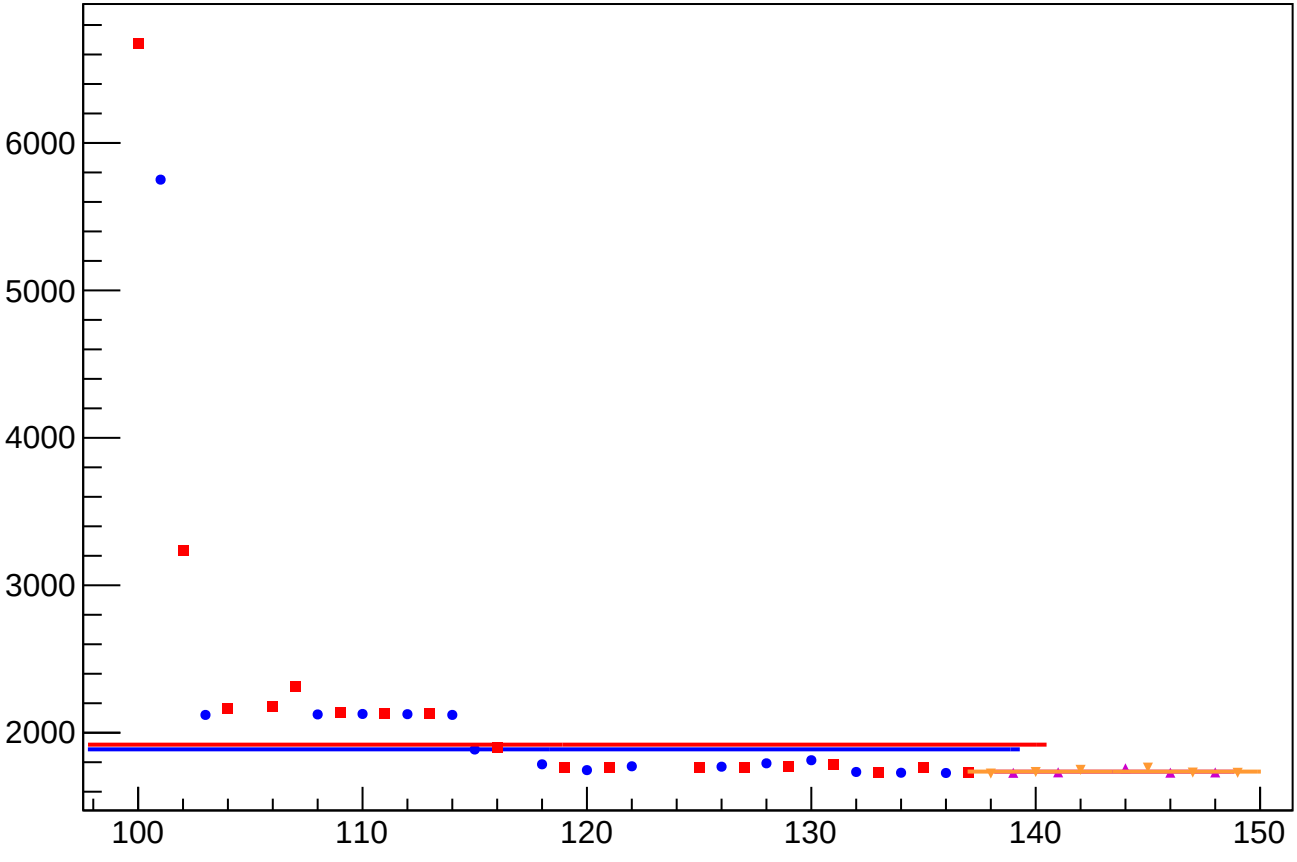
Left In: 817.943+/-829.841 χ^2/NDF:3.8/4

\+ sign 43.937+/-538.960 χ^2/NDF: 23.6/21

All: 151.368+/-383.678 χ^2/NDF: 45.3/44

\- 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: 1736.445+/-0.576 χ^2/NDF:577.4/5

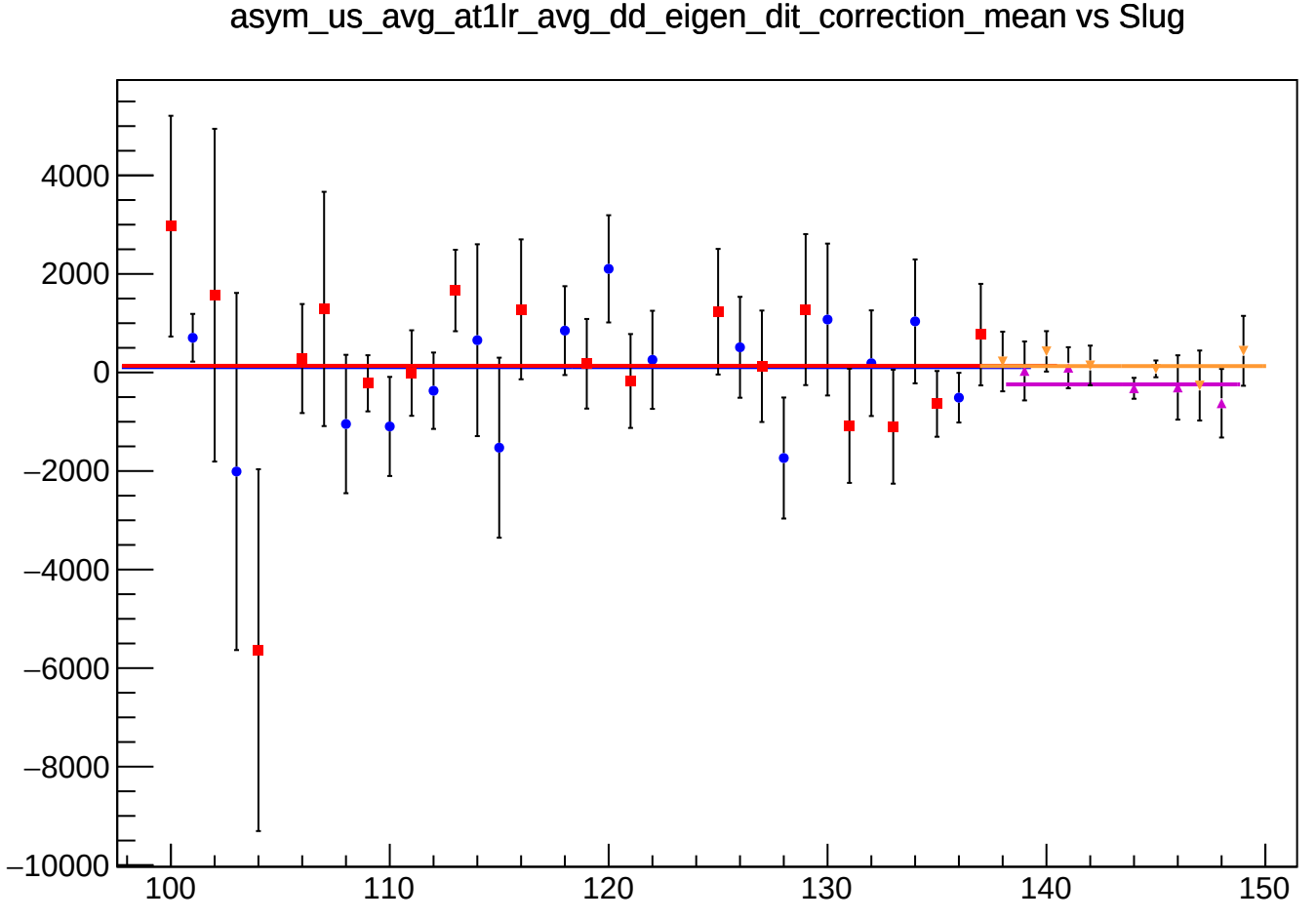
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.772+/-0.587 χ^2/NDF:391.1/4

+ sign 1821.320+/-0.381 χ^2/NDF: 728583.2/21

All: 1830.375+/-0.271 χ^2/NDF: 1138028.4/44

- 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: 129.638+/-136.997 χ^2/NDF:1.2/5

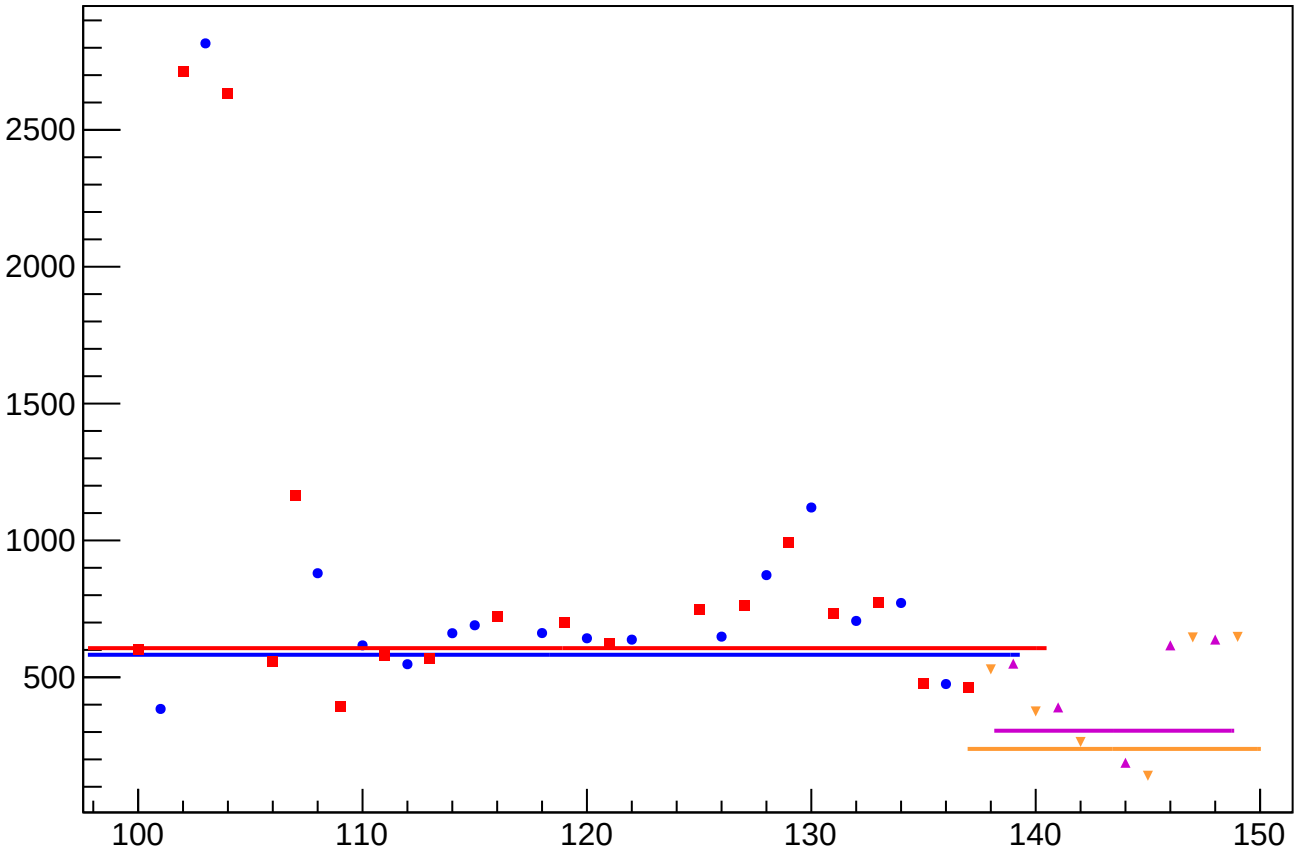
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -241.196+/-168.645 χ^2/NDF:1.3/4

\+ sign 124.067+/-117.927 χ^2/NDF: 15.3/21

All: 21.672+/-89.947 χ^2/NDF: 34.4/44

\- 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: 238.337+/-0.097 χ^2/NDF:2678594.0/5

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

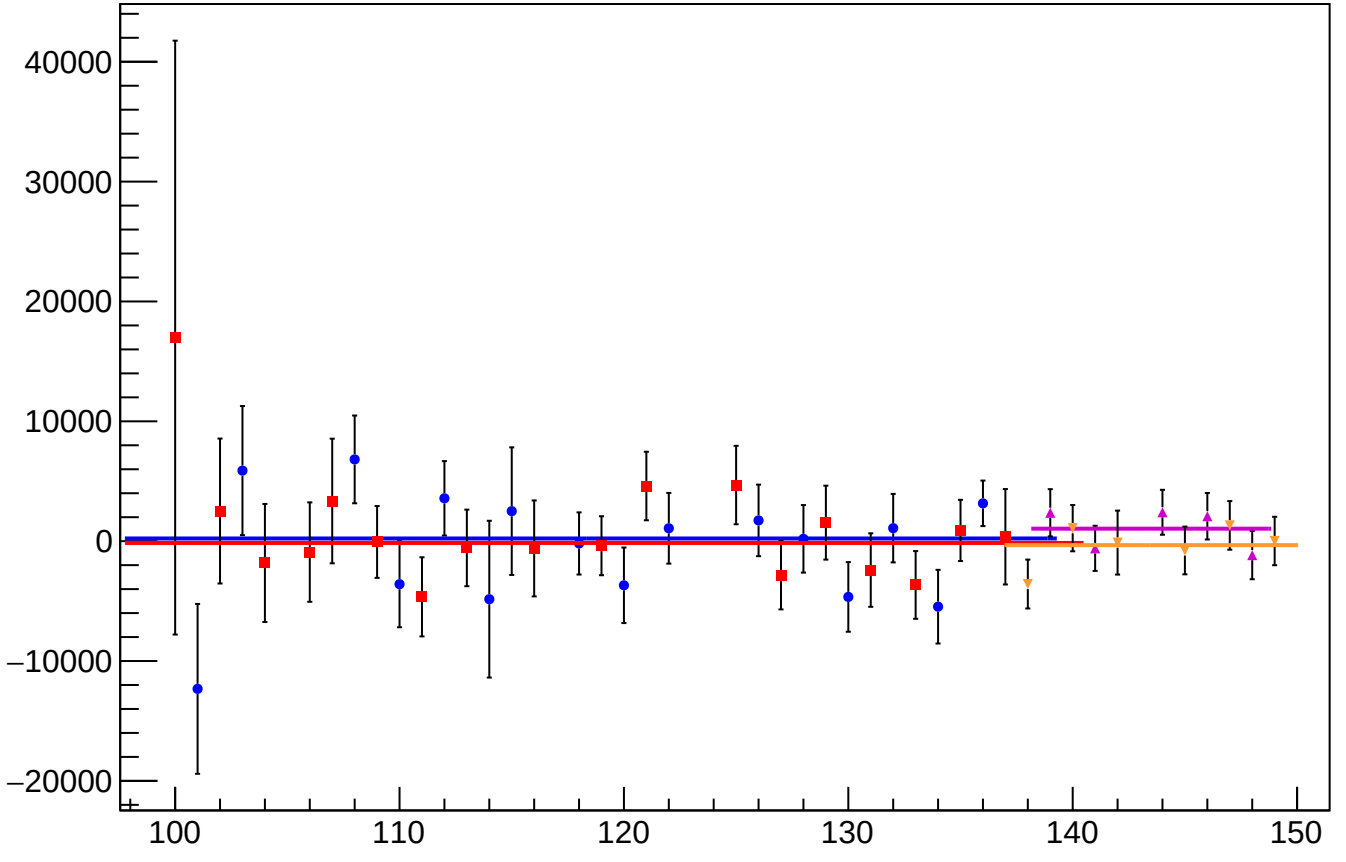
Left In: 304.789+/-0.119 χ^2/NDF:1941198.7/4

+ sign 327.423+/-0.083 χ^2/NDF: 7697936.4/21

All: 358.308+/-0.064 χ^2/NDF: 14212214.1/44

- 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: -329.421+/-848.141 χ^2/NDF:3.8/5

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

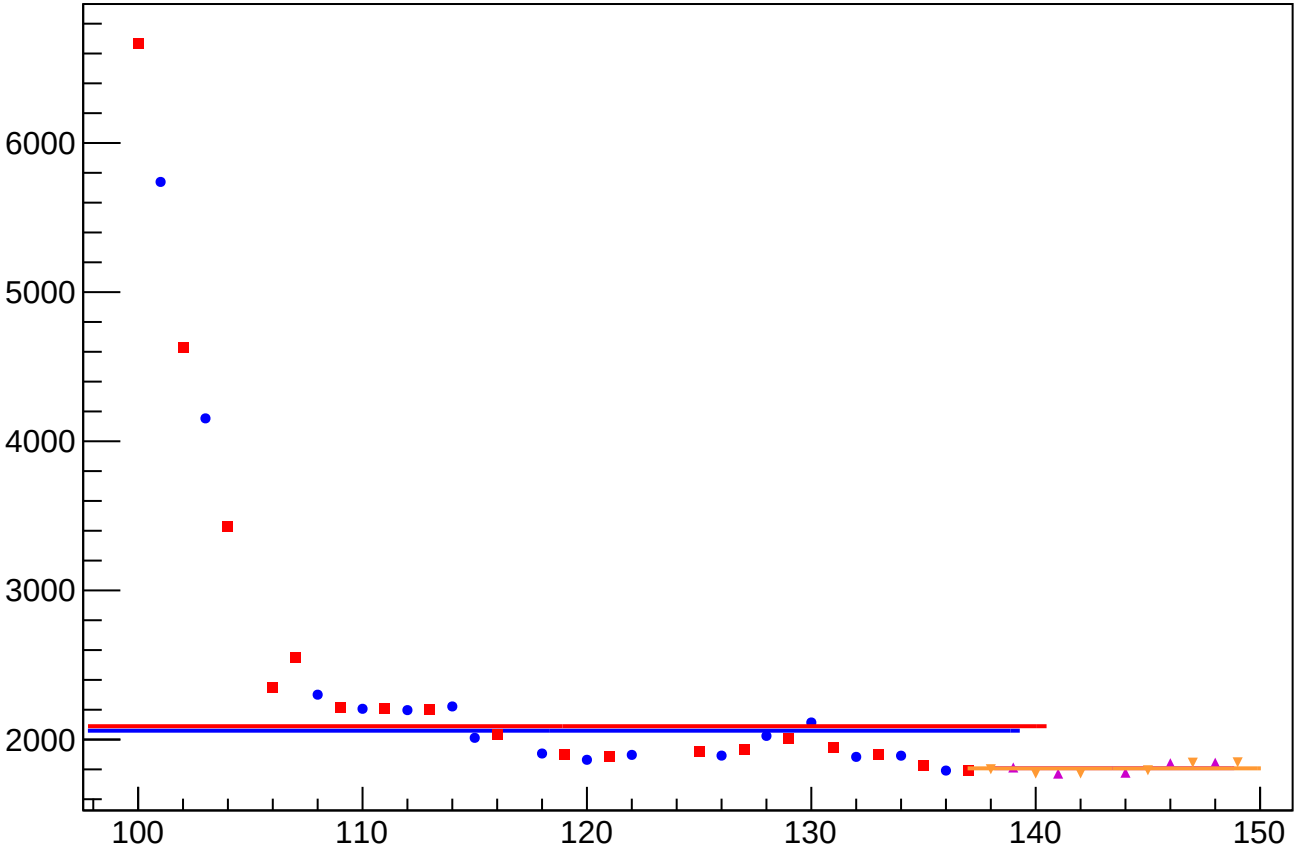
Left In: 1042.474+/-864.645 χ^2/NDF:3.2/4

+ sign -33.399+/-578.733 χ^2/NDF: 25.2/21

All: 179.408+/-411.388 χ^2/NDF: 41.3/44

- 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: 1806.998+/-0.600 χ^2/NDF:2592.0/5

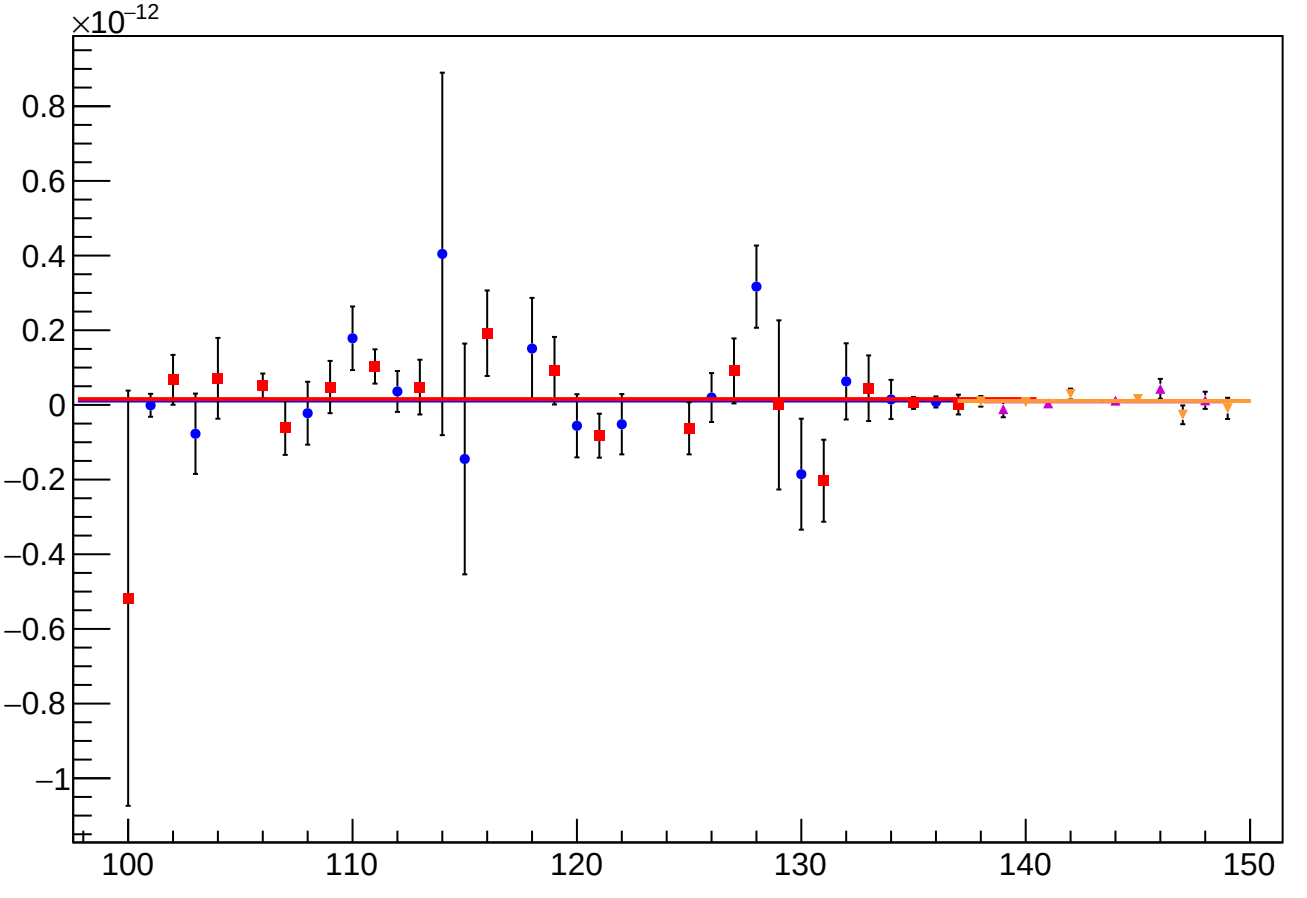
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1808.321+/-0.611 χ^2/NDF:2534.6/4

+ sign 1941.931+/-0.409 χ^2/NDF: 1037192.0/21

All: 1951.276+/-0.291 χ^2/NDF: 1836948.5/44

- 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:4.6/5

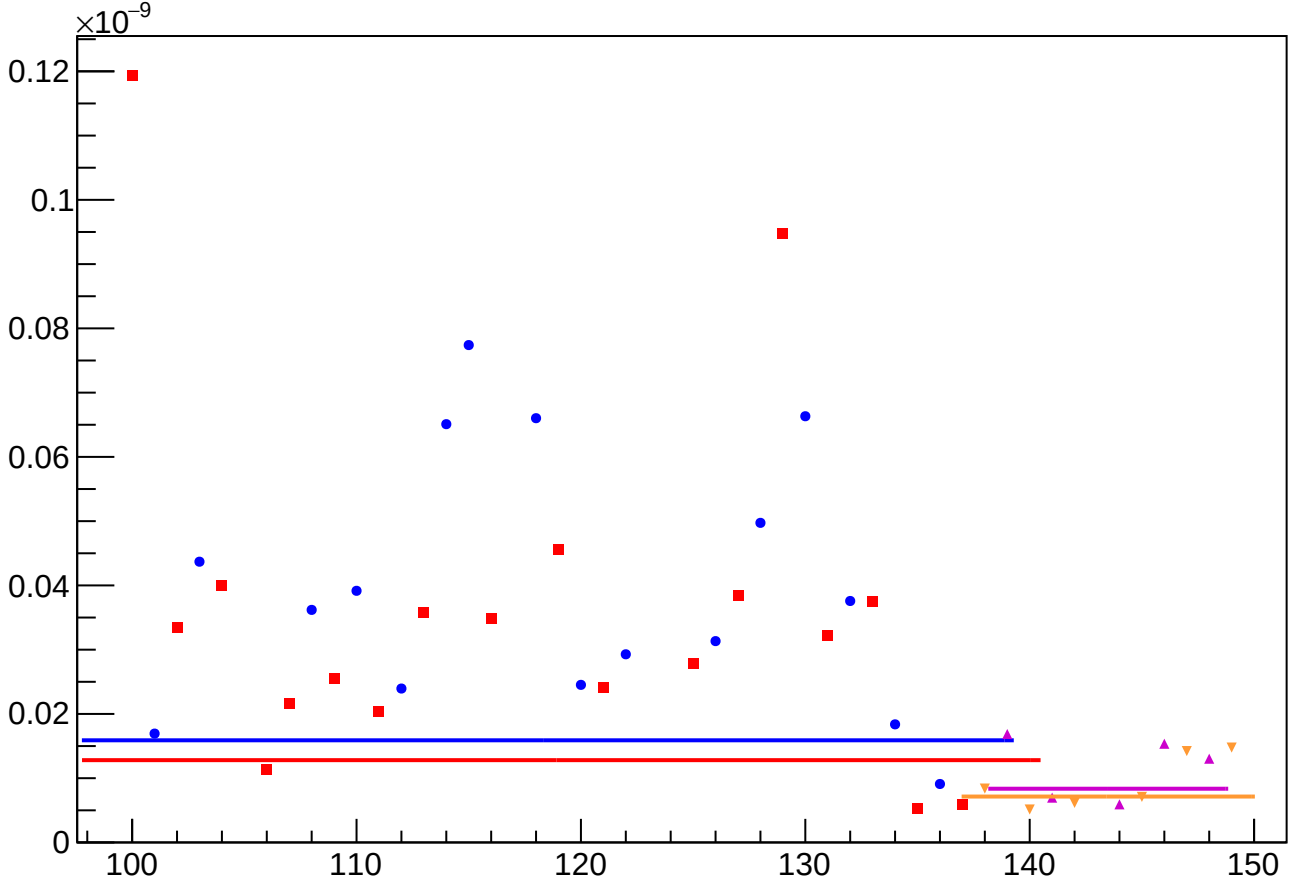
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 22.6/21

All: 0.000+/-0.000 χ^2/NDF: 46.3/44

- 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:415400.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

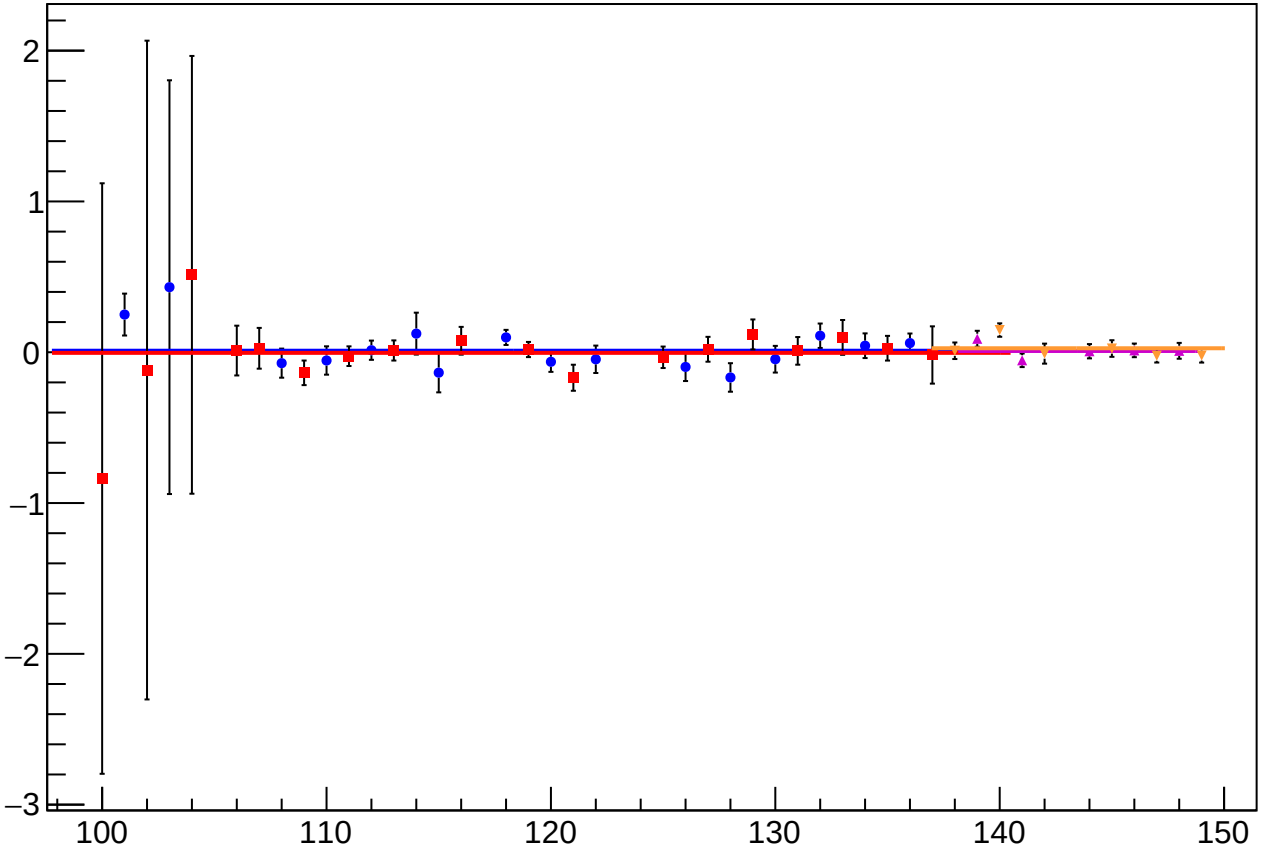
Left In: 0.000+/-0.000 χ^2/NDF:683159.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 3266854.4/21

All: 0.000+/-0.000 χ^2/NDF: 6703984.9/44

- sign 0.000+/-0.000 χ^2/NDF: 3420049.1/22

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.026+/-0.021 χ^2/NDF:10.0/5

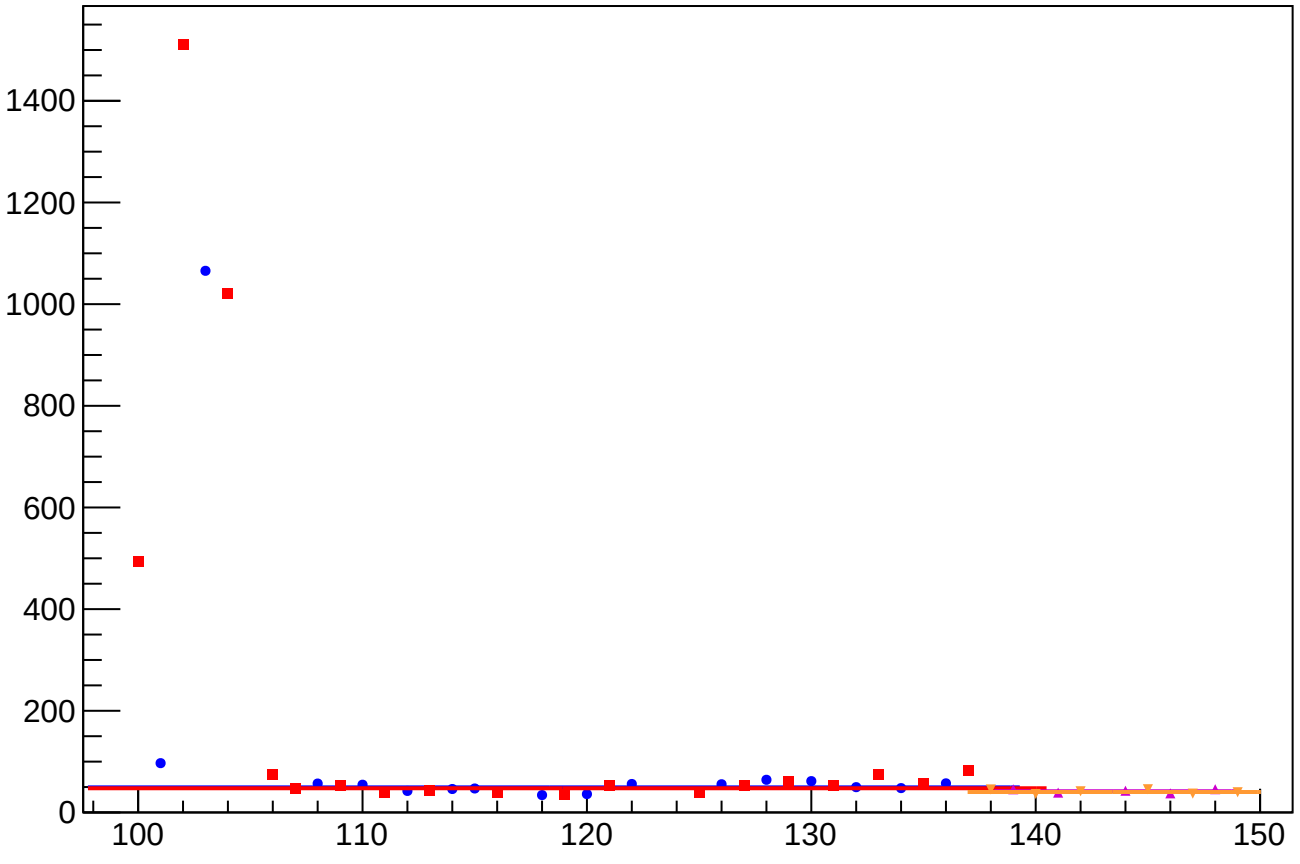
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.009+/-0.022 χ^2/NDF:4.2/4

+ sign 0.018+/-0.015 χ^2/NDF: 28.8/21

All: 0.011+/-0.011 χ^2/NDF: 44.2/44

- 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: 40.239+/-0.015 χ^2/NDF:62375.4/5

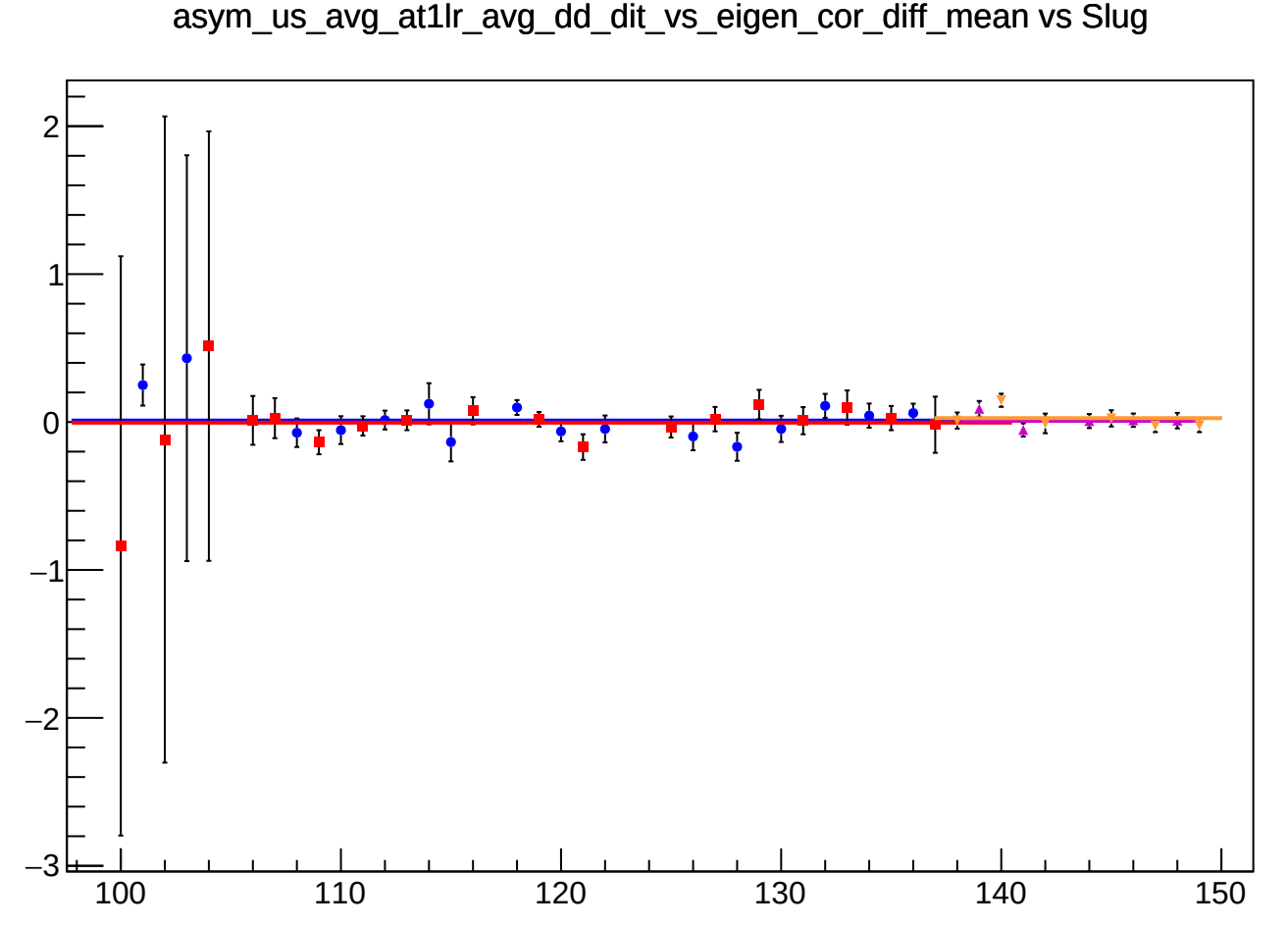
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 41.726+/-0.015 χ^2/NDF:47045.9/4

+ sign 44.720+/-0.010 χ^2/NDF: 2030405.9/21

All: 44.699+/-0.007 χ^2/NDF: 4570018.7/44

- sign 44.677+/-0.011 χ^2/NDF: 2539604.4/22



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.026+/-0.021 χ^2/NDF:10.0/5

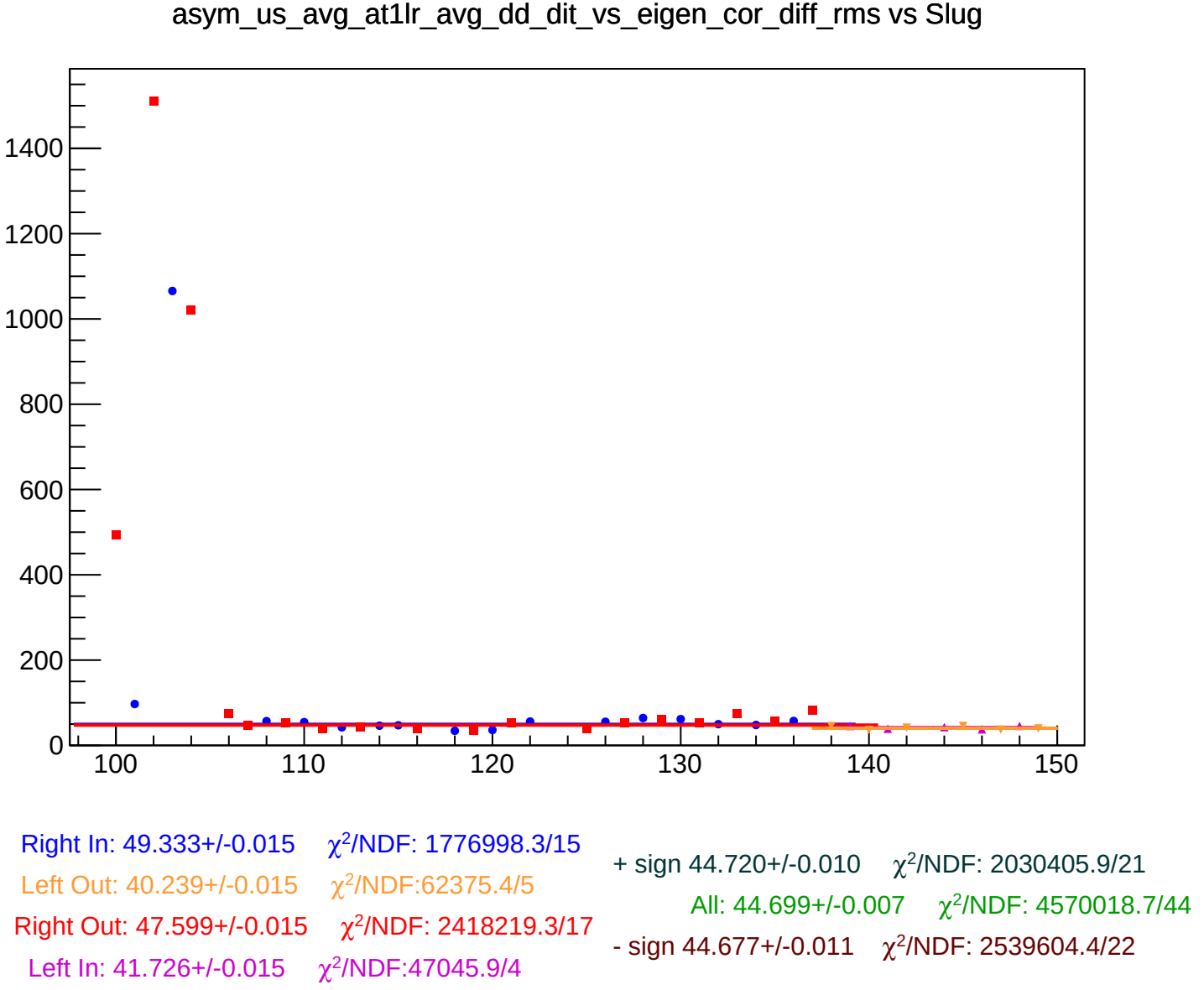
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.009+/-0.022 χ^2/NDF:4.2/4

+ sign 0.018+/-0.015 χ^2/NDF: 28.8/21

All: 0.011+/-0.011 χ^2/NDF: 44.2/44

- sign 0.002+/-0.015 χ^2/NDF: 14.9/22


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
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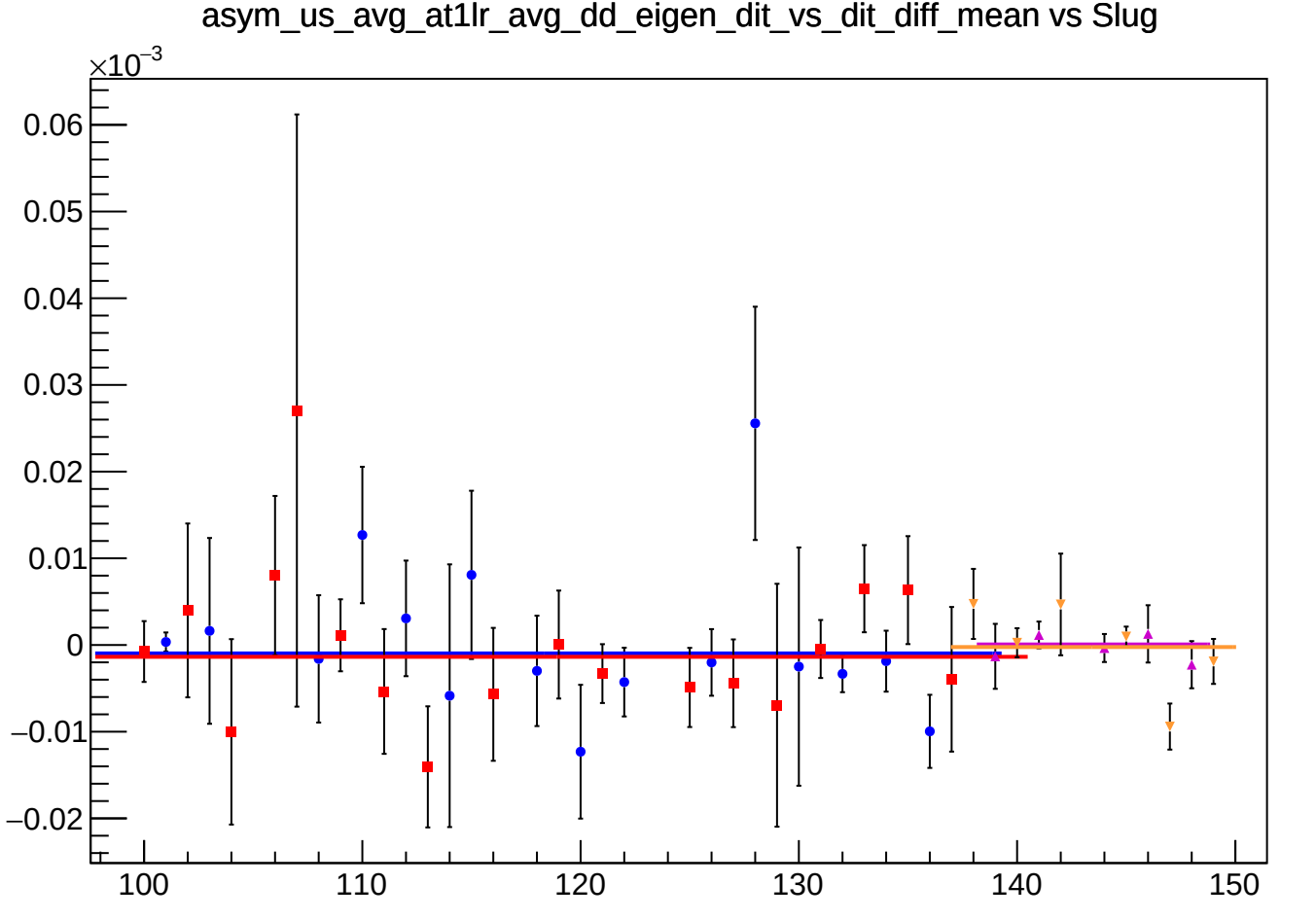
800
600
400
200
0
100
110
120
130
140
150
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 40.239+/-0.015 χ²/NDF:62375.4/5
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 41.726+/-0.015 χ²/NDF:47045.9/4
+ sign 44.720+/-0.010 χ²/NDF: 2030405.9/21
All: 44.699+/-0.007 χ²/NDF: 4570018.7/44
- sign 44.677+/-0.011 χ²/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
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0
−0.01
−0.02
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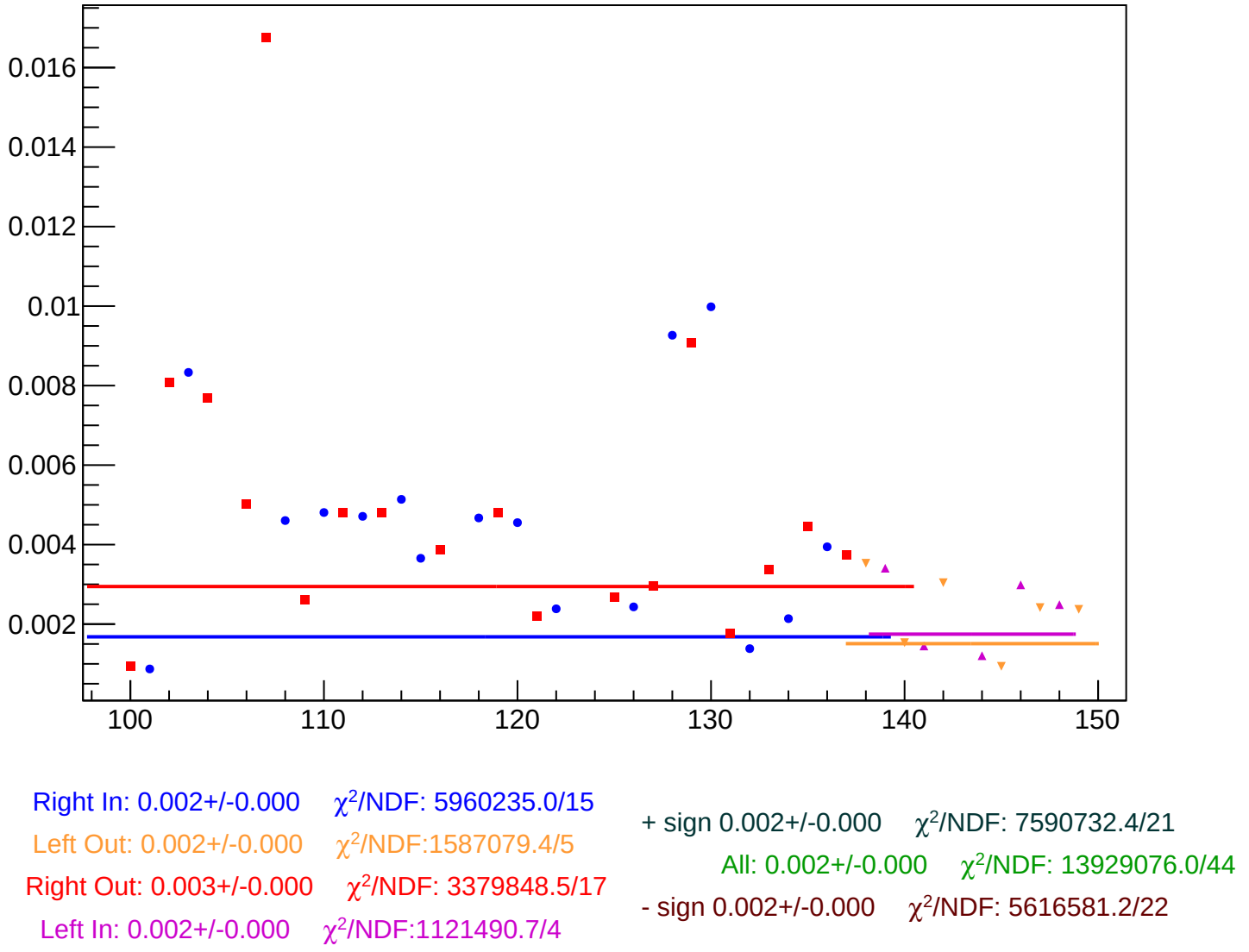
140
150
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:15.8/5
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:1.6/4
+ sign -0.000+/-0.000 χ²/NDF: 34.8/21
All: -0.000+/-0.000 χ²/NDF: 49.8/44
- sign -0.000+/-0.000 χ²/NDF: 15.0/22


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
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0.004
0.002
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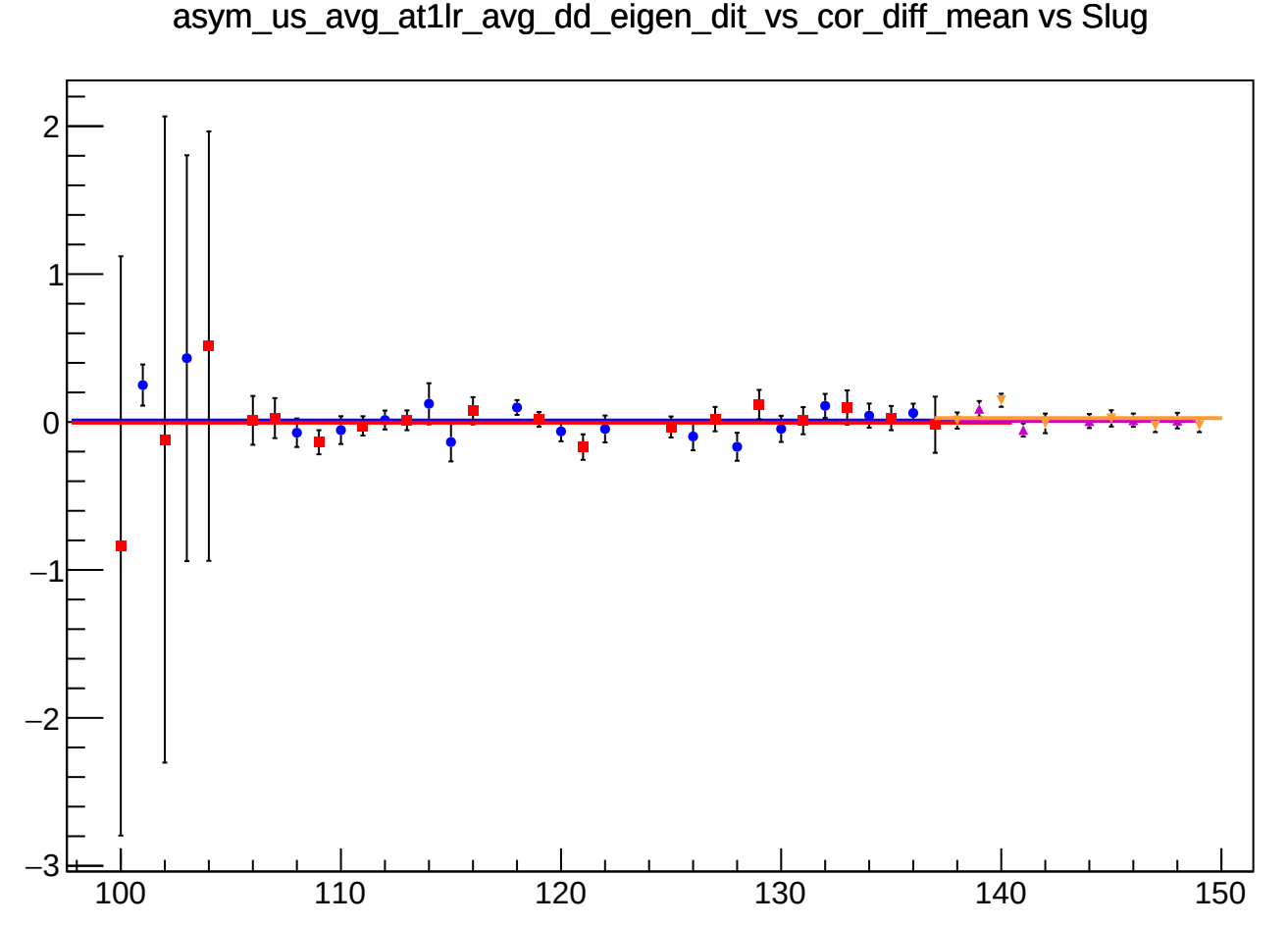
140
150
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.002+/-0.000 χ²/NDF:1587079.4/5
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:1121490.7/4
+ sign 0.002+/-0.000 χ²/NDF: 7590732.4/21
All: 0.002+/-0.000 χ²/NDF: 13929076.0/44
- sign 0.002+/-0.000 χ²/NDF: 5616581.2/22



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.026+/-0.021 χ^2/NDF:10.0/5

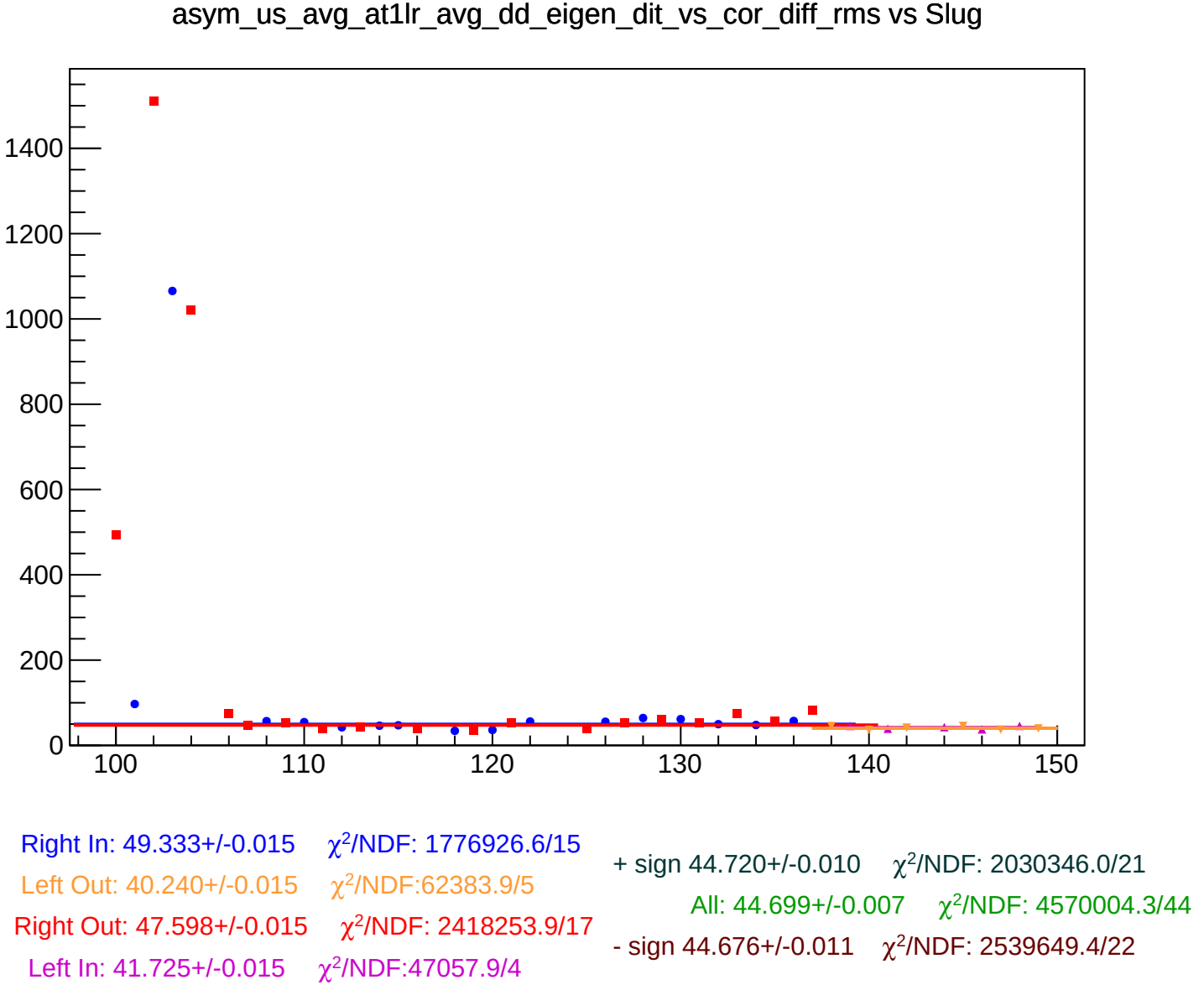
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.009+/-0.022 χ^2/NDF:4.2/4

+ sign 0.018+/-0.015 χ^2/NDF: 28.8/21

All: 0.011+/-0.011 χ^2/NDF: 44.2/44

- sign 0.002+/-0.015 χ^2/NDF: 14.9/22


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
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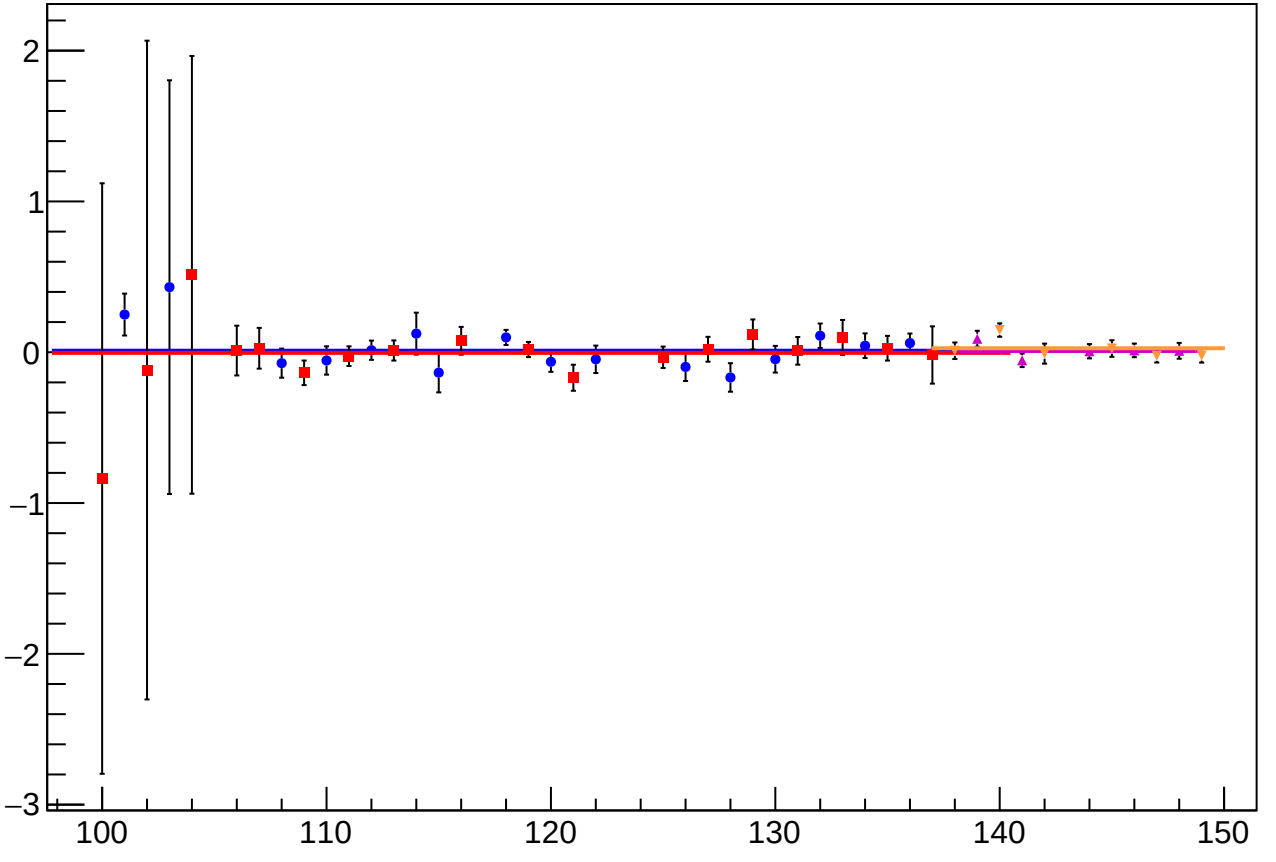
140
150
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 40.240+/-0.015 χ²/NDF:62383.9/5
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 41.725+/-0.015 χ²/NDF:47057.9/4
+ sign 44.720+/-0.010 χ²/NDF: 2030346.0/21
All: 44.699+/-0.007 χ²/NDF: 4570004.3/44
- sign 44.676+/-0.011 χ²/NDF: 2539649.4/22

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: 0.026+/-0.021 χ^2/NDF:10.0/5

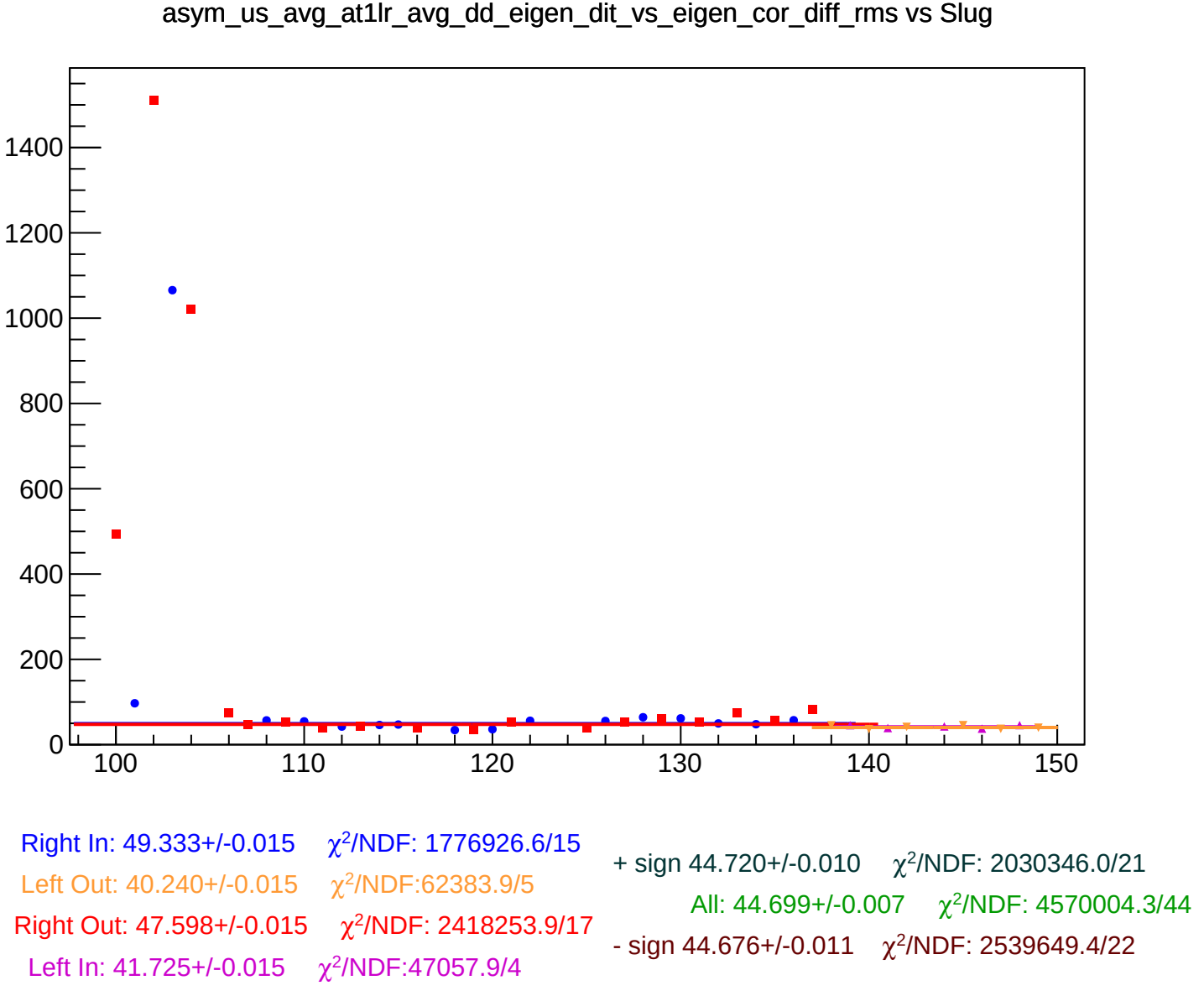
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.009+/-0.022 χ^2/NDF:4.2/4

+ sign 0.018+/-0.015 χ^2/NDF: 28.8/21

All: 0.011+/-0.011 χ^2/NDF: 44.2/44

- 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
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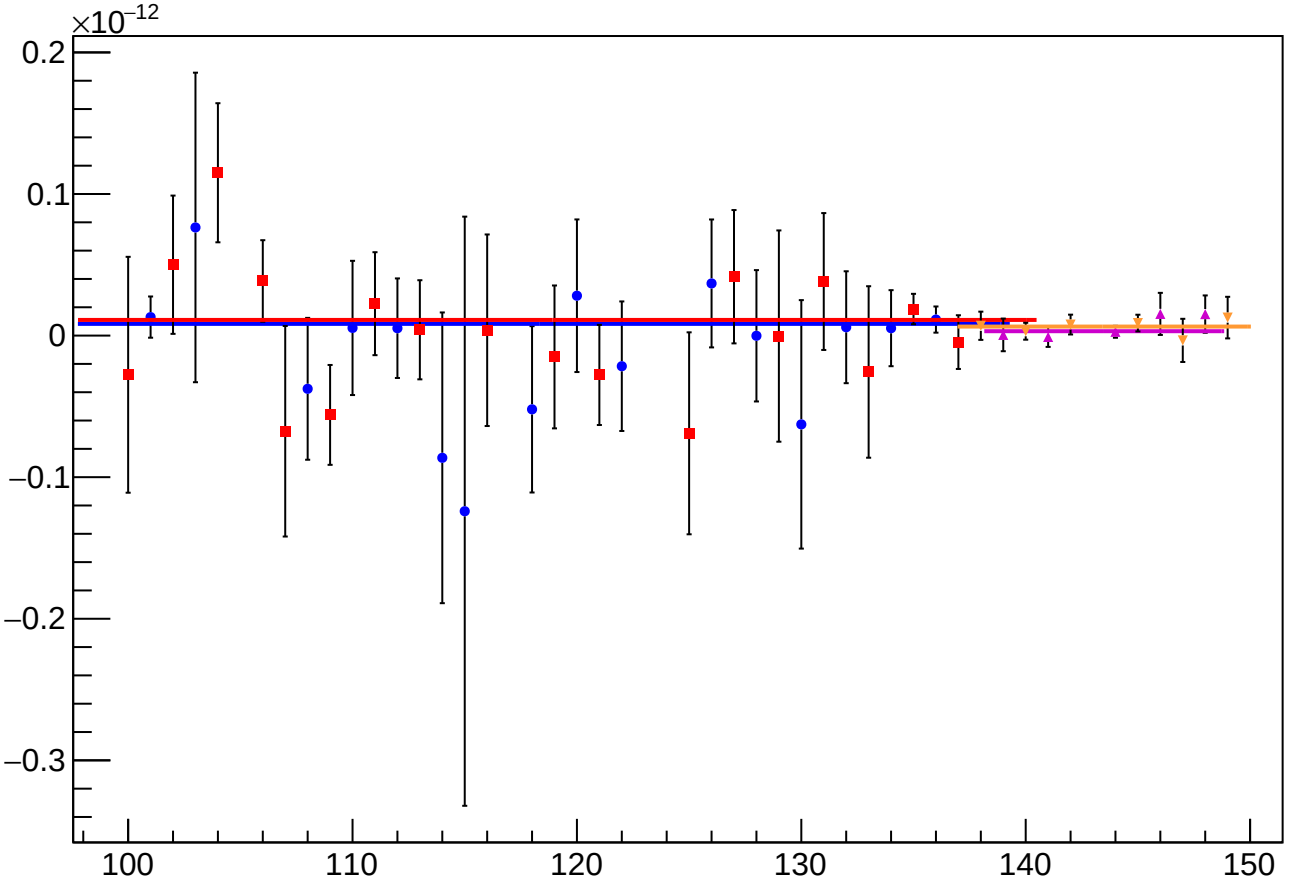
140
150
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 40.240+/-0.015 χ²/NDF:62383.9/5
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 41.725+/-0.015 χ²/NDF:47057.9/4
+ sign 44.720+/-0.010 χ²/NDF: 2030346.0/21
All: 44.699+/-0.007 χ²/NDF: 4570004.3/44
- sign 44.676+/-0.011 χ²/NDF: 2539649.4/22



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/5

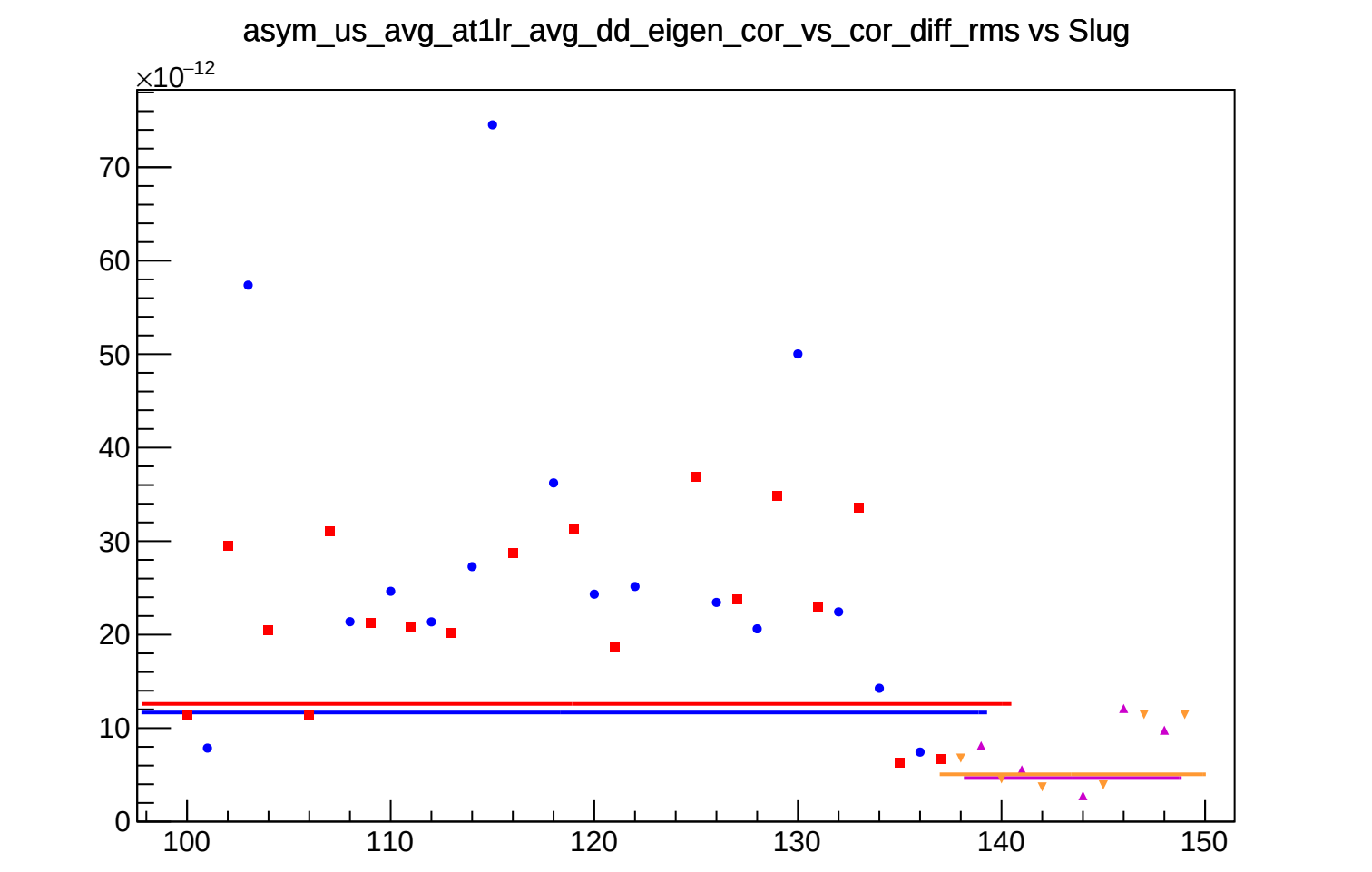
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 6.6/21

All: 0.000+/-0.000 χ^2/NDF: 26.0/44

- sign 0.000+/-0.000 χ^2/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:951865.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

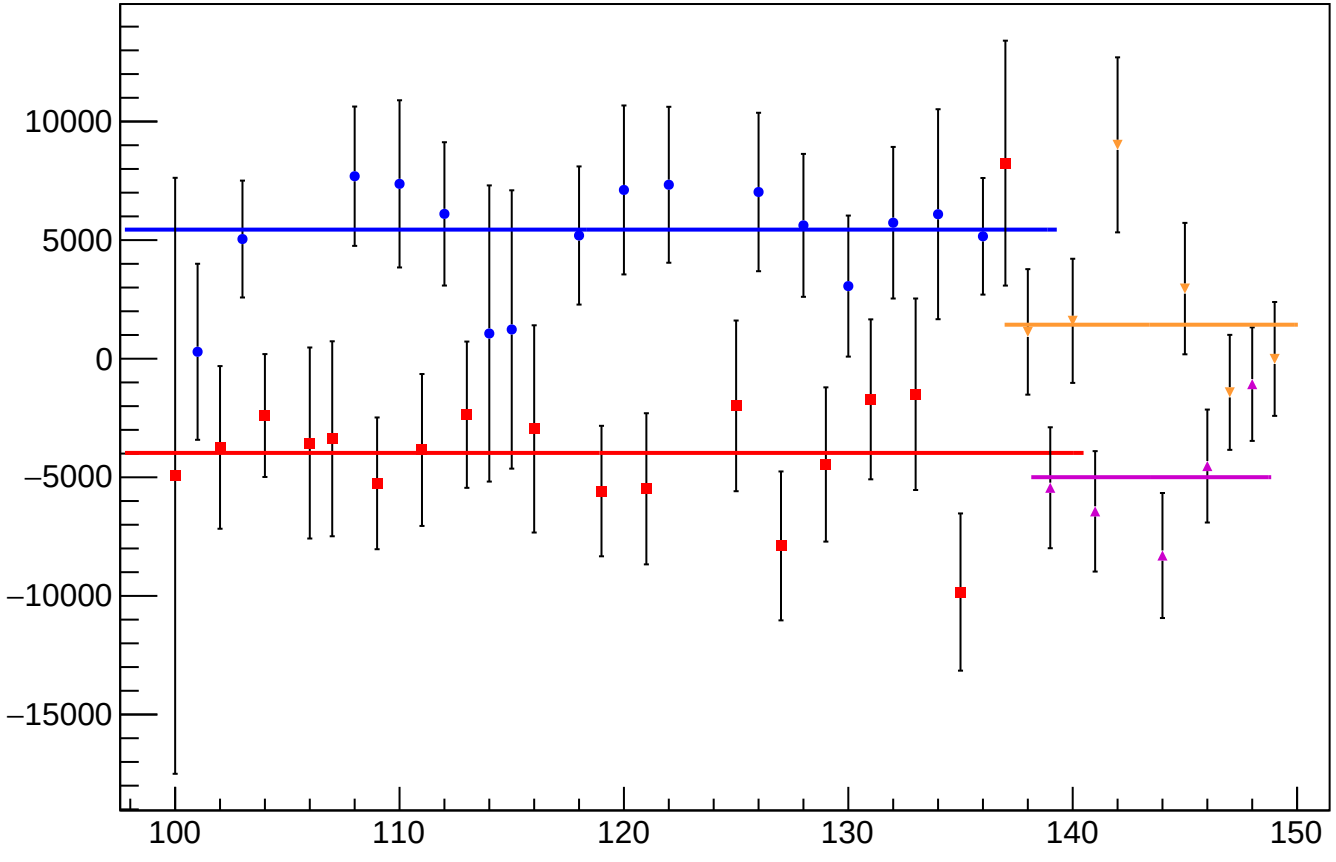
Left In: 0.000+/-0.000 χ^2/NDF:1416706.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 5450164.4/21

All: 0.000+/-0.000 χ^2/NDF: 11802682.5/44

- 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: 1433.561+/-1093.470 χ^2/NDF:6.3/5

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

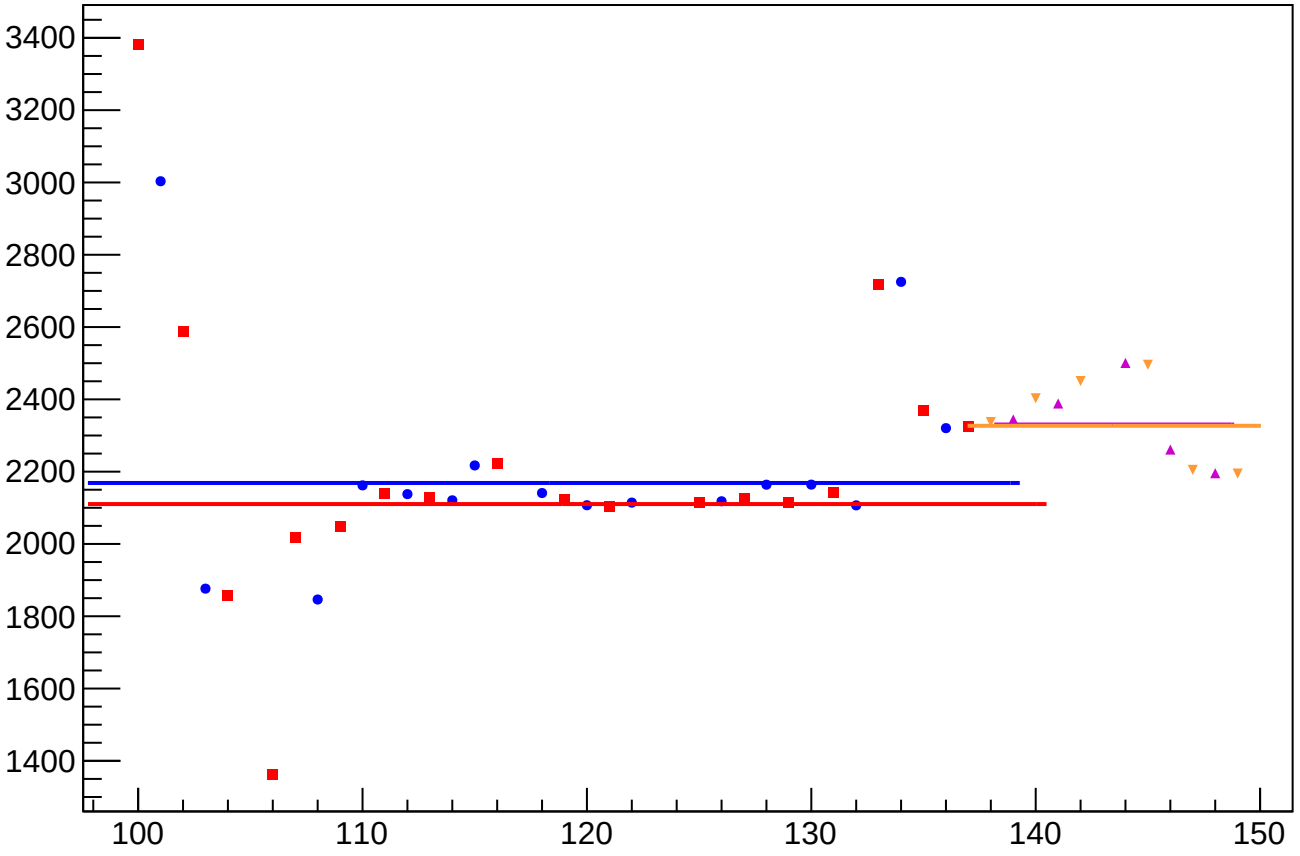
Left In: -4994.829+/-1115.426 χ^2/NDF:4.6/4

+ sign 4016.260+/-652.187 χ^2/NDF: 20.3/21

All: -136.773+/-462.122 χ^2/NDF: 119.9/44

- 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: 2326.882+/-0.773 χ^2/NDF:22524.6/5

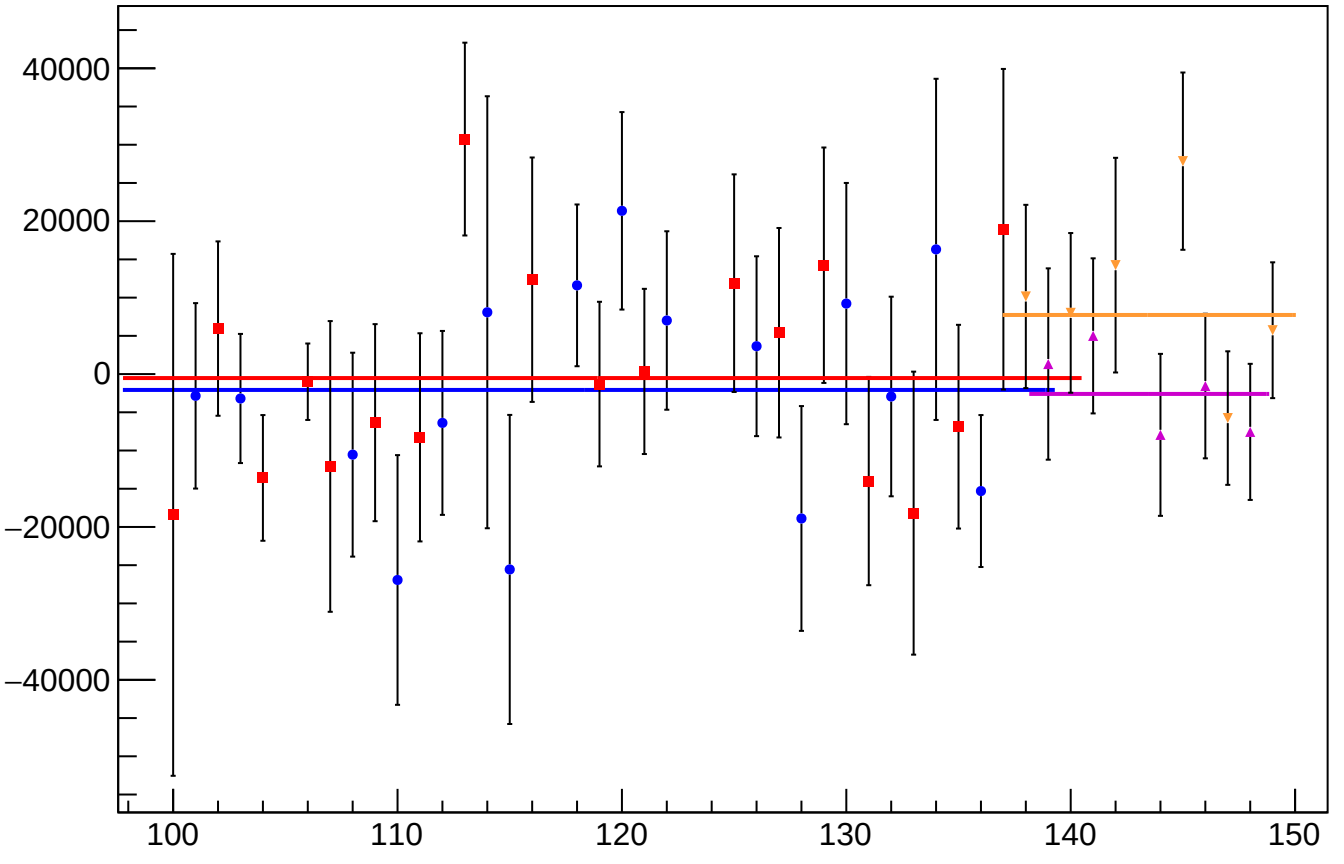
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2330.366+/-0.789 χ^2/NDF:17490.2/4

+ sign 2224.981+/-0.461 χ^2/NDF: 245143.2/21

All: 2204.672+/-0.325 χ^2/NDF: 585443.9/44

- 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: 7732.369+/-4286.829 χ^2/NDF:5.7/5

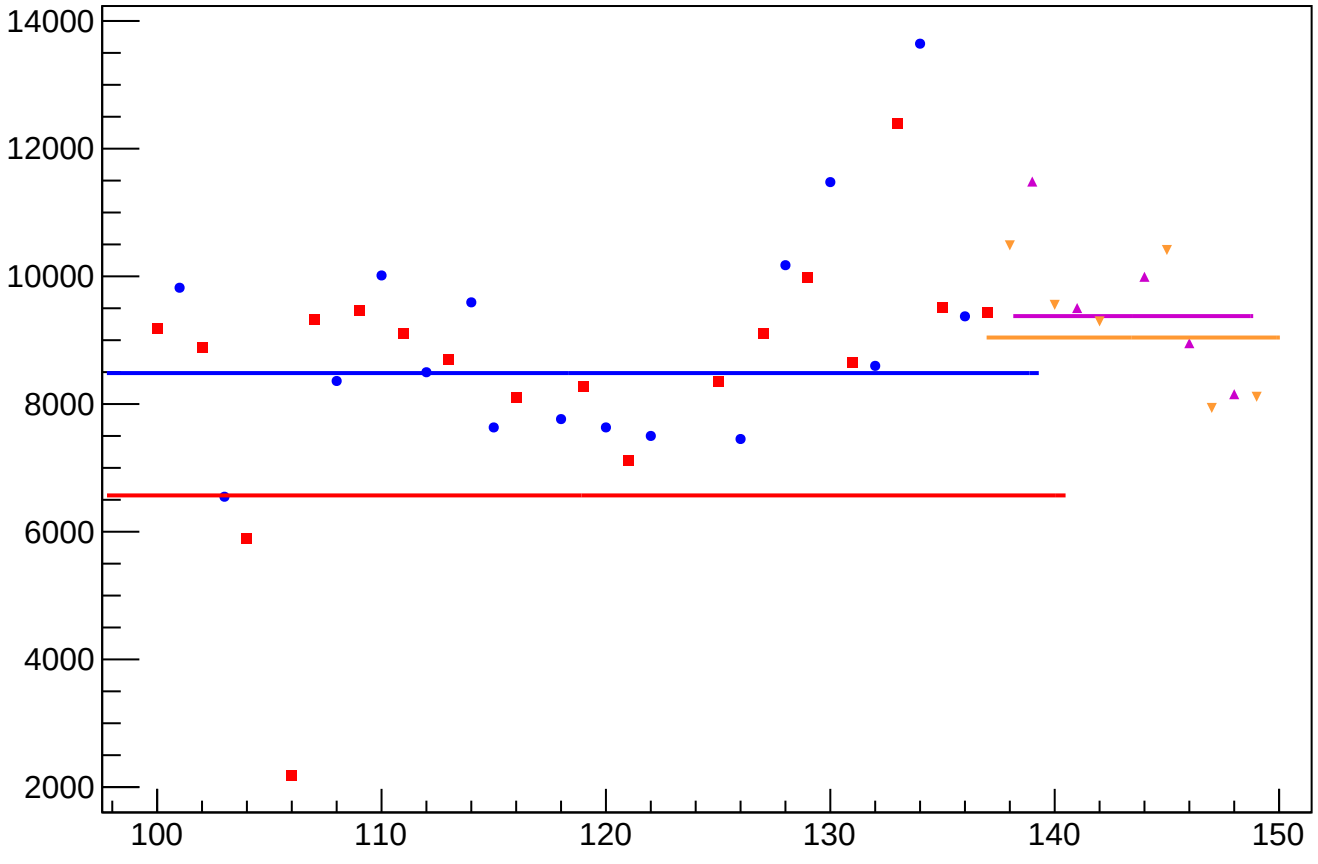
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -2597.423+/-4526.546 χ^2/NDF:1.2/4

+ sign 1451.495+/-2570.546 χ^2/NDF: 23.5/21

All: 66.085+/-1725.812 χ^2/NDF: 41.1/44

- 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: 9041.793+/-3.031 χ^2/NDF:116140.3/5

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

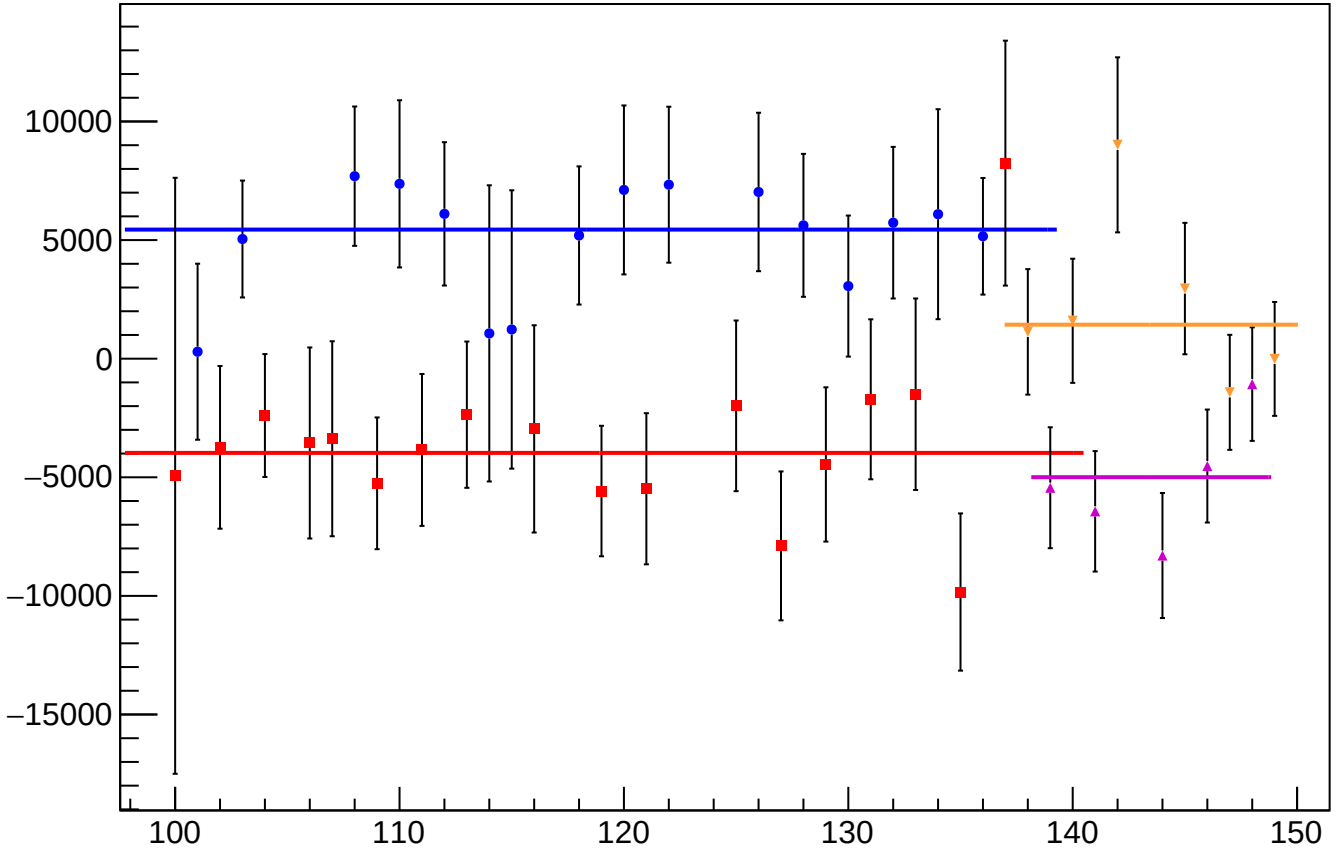
Left In: 9377.491+/-3.201 χ^2/NDF:105572.7/4

+ sign 8685.204+/-1.818 χ^2/NDF: 560454.6/21

All: 7931.013+/-1.220 χ^2/NDF: 4114634.4/44

- 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: 1433.566+/-1093.470 χ^2/NDF:6.3/5

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

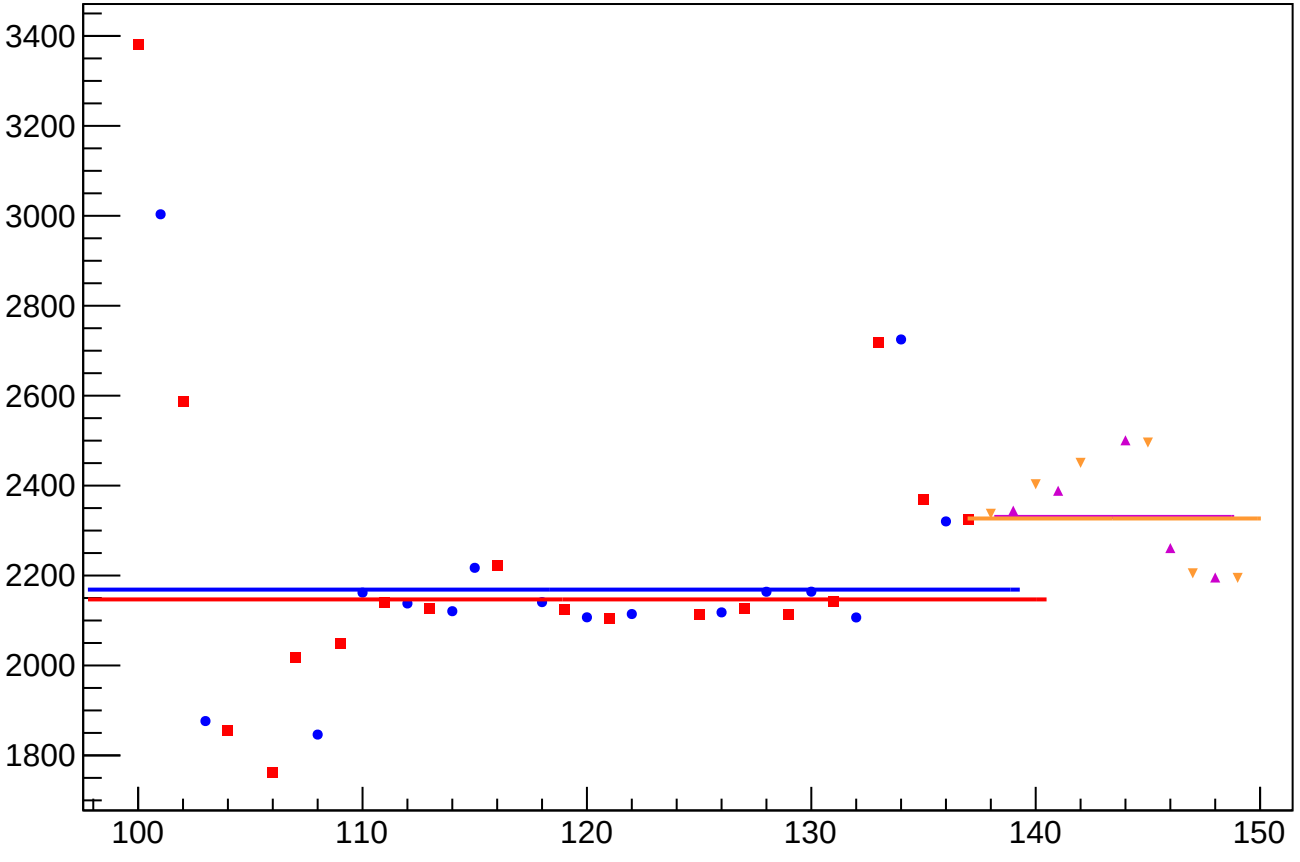
Left In: -4995.173+/-1115.426 χ^2/NDF:4.6/4

+ sign 4016.353+/-652.187 χ^2/NDF: 20.3/21

All: -136.701+/-462.122 χ^2/NDF: 119.9/44

- 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: 2326.882+/-0.773 χ^2/NDF:22524.6/5

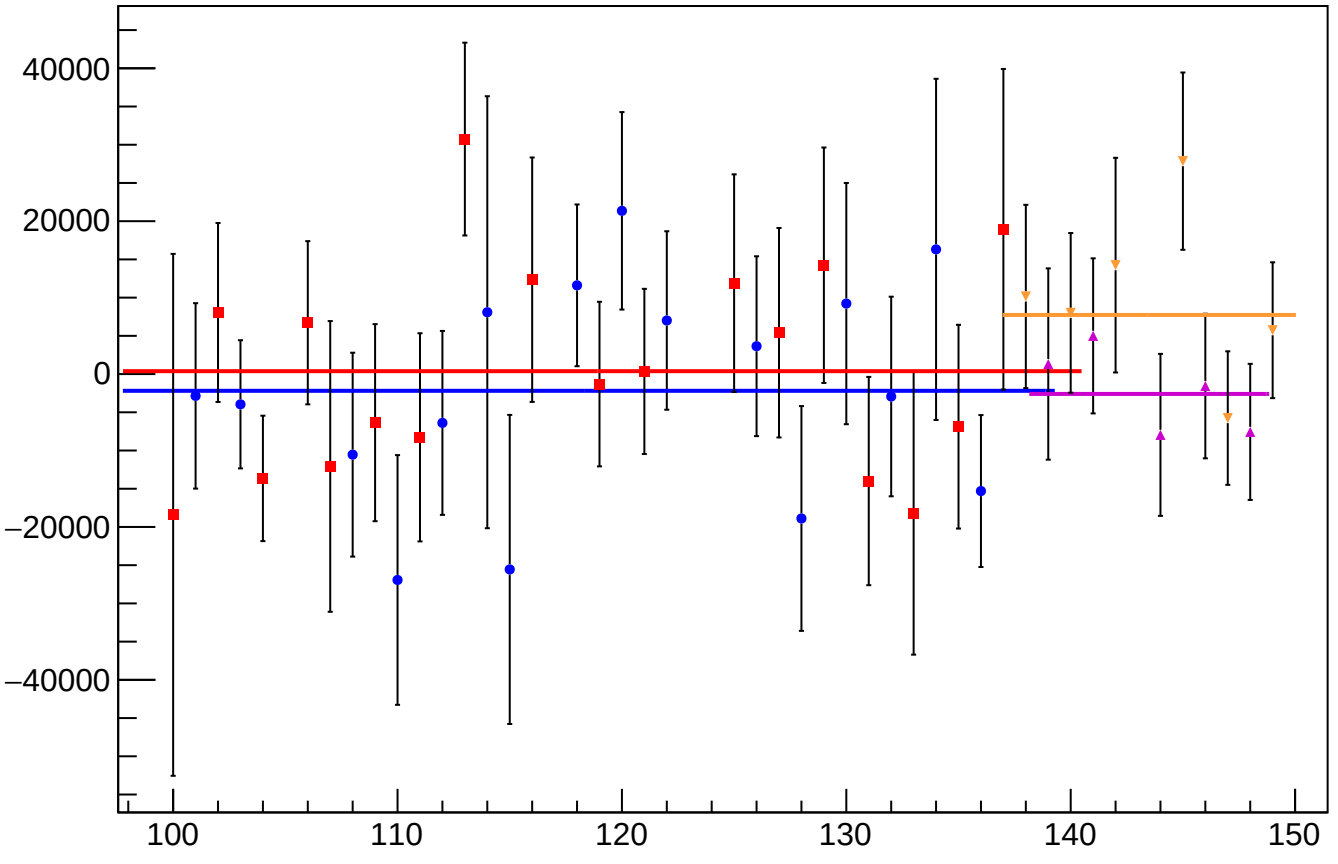
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2330.366+/-0.789 χ^2/NDF:17490.2/4

\+ sign 2224.981+/-0.461 χ^2/NDF: 245143.6/21

All: 2217.360+/-0.326 χ^2/NDF: 456513.1/44

\- 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: 7732.414+/-4286.822 χ^2/NDF:5.7/5

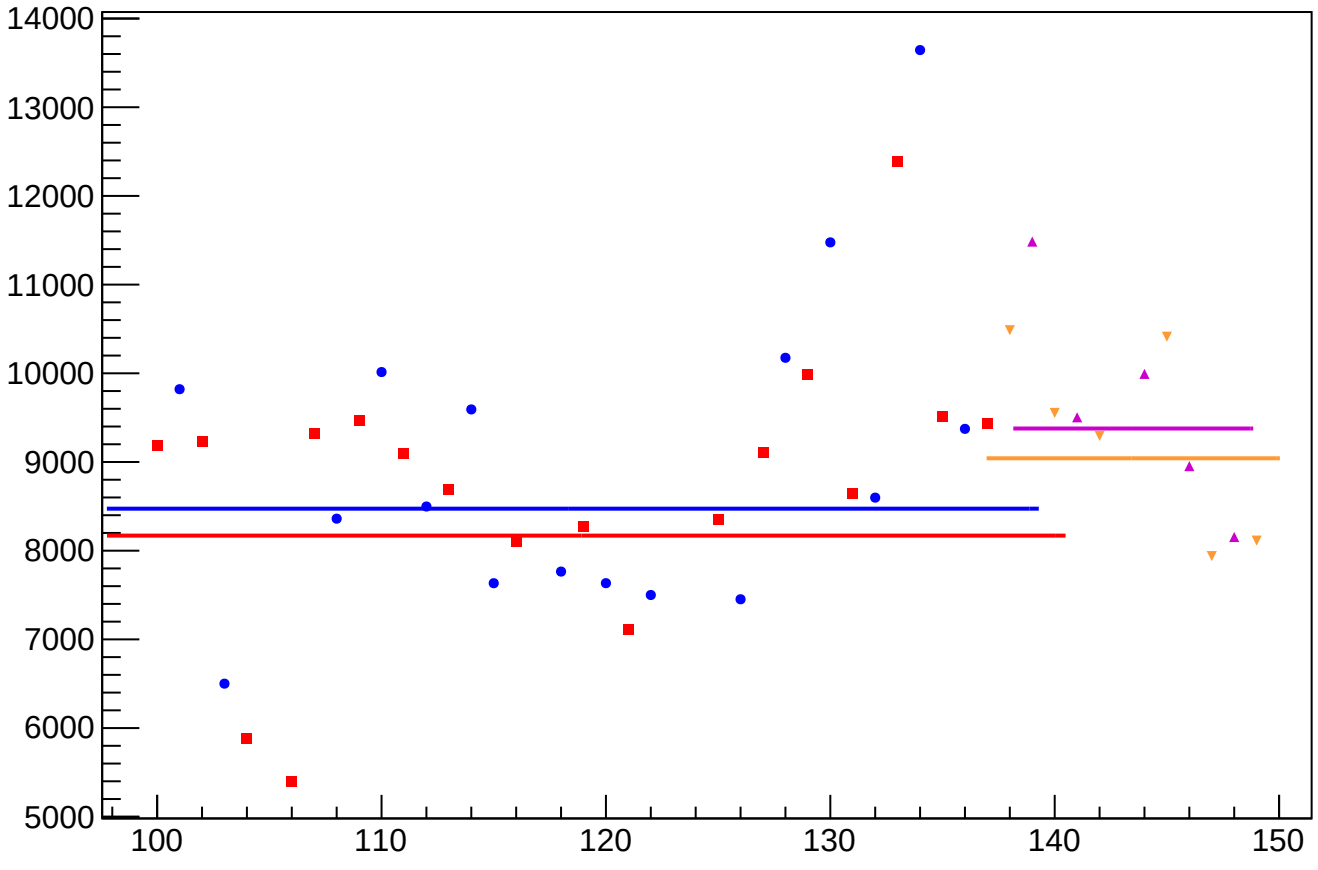
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -2597.487+/-4526.543 χ^2/NDF:1.2/4

+ sign 1373.166+/-2568.714 χ^2/NDF: 23.6/21

All: 396.826+/-1812.436 χ^2/NDF: 41.7/44

- 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: 9041.776+/-3.031 χ^2/NDF:116140.4/5

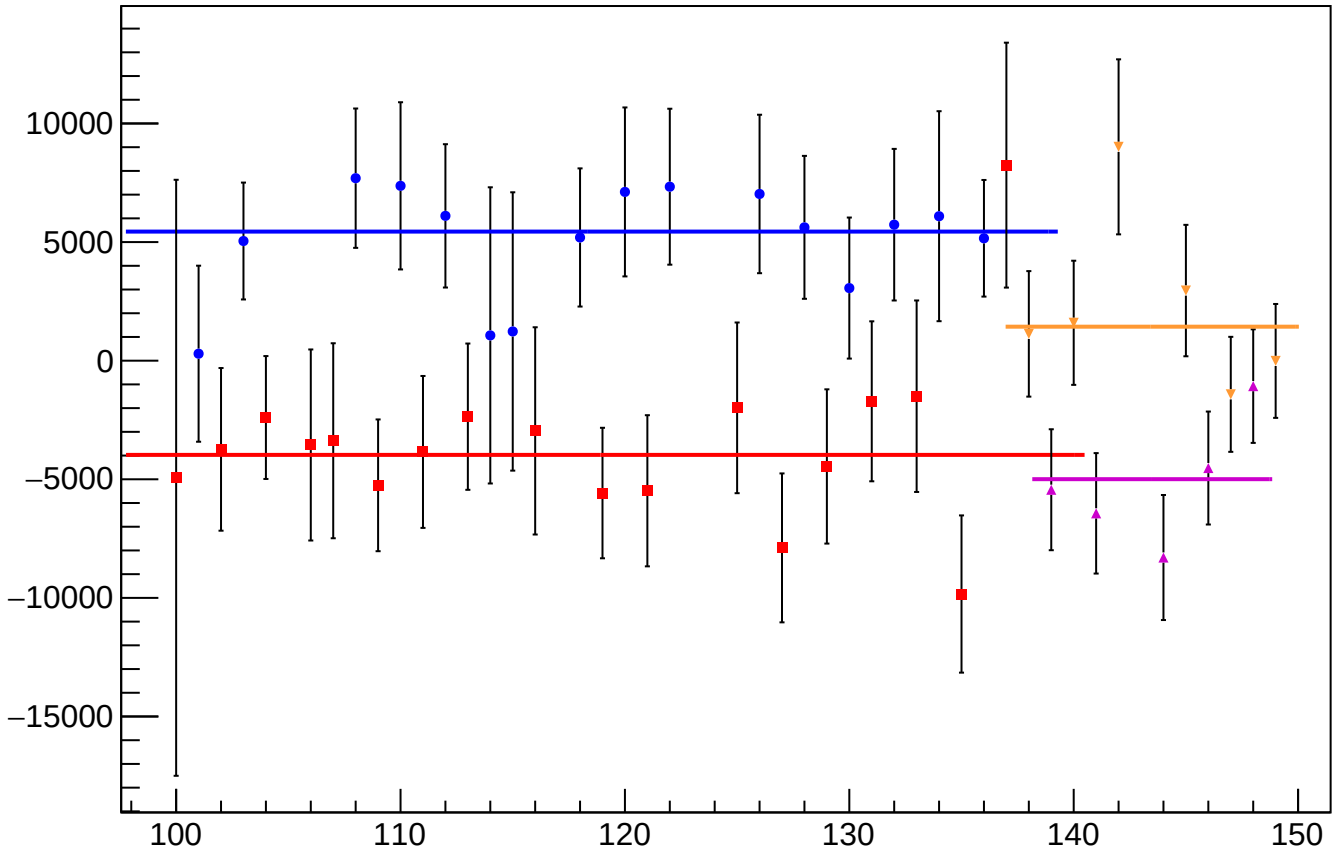
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9377.486+/-3.201 χ^2/NDF:105572.3/4

\+ sign 8677.698+/-1.816 χ^2/NDF: 568195.2/21

All: 8616.350+/-1.282 χ^2/NDF: 1312841.5/44

\- 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: 1433.566+/-1093.470 χ^2/NDF:6.3/5

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

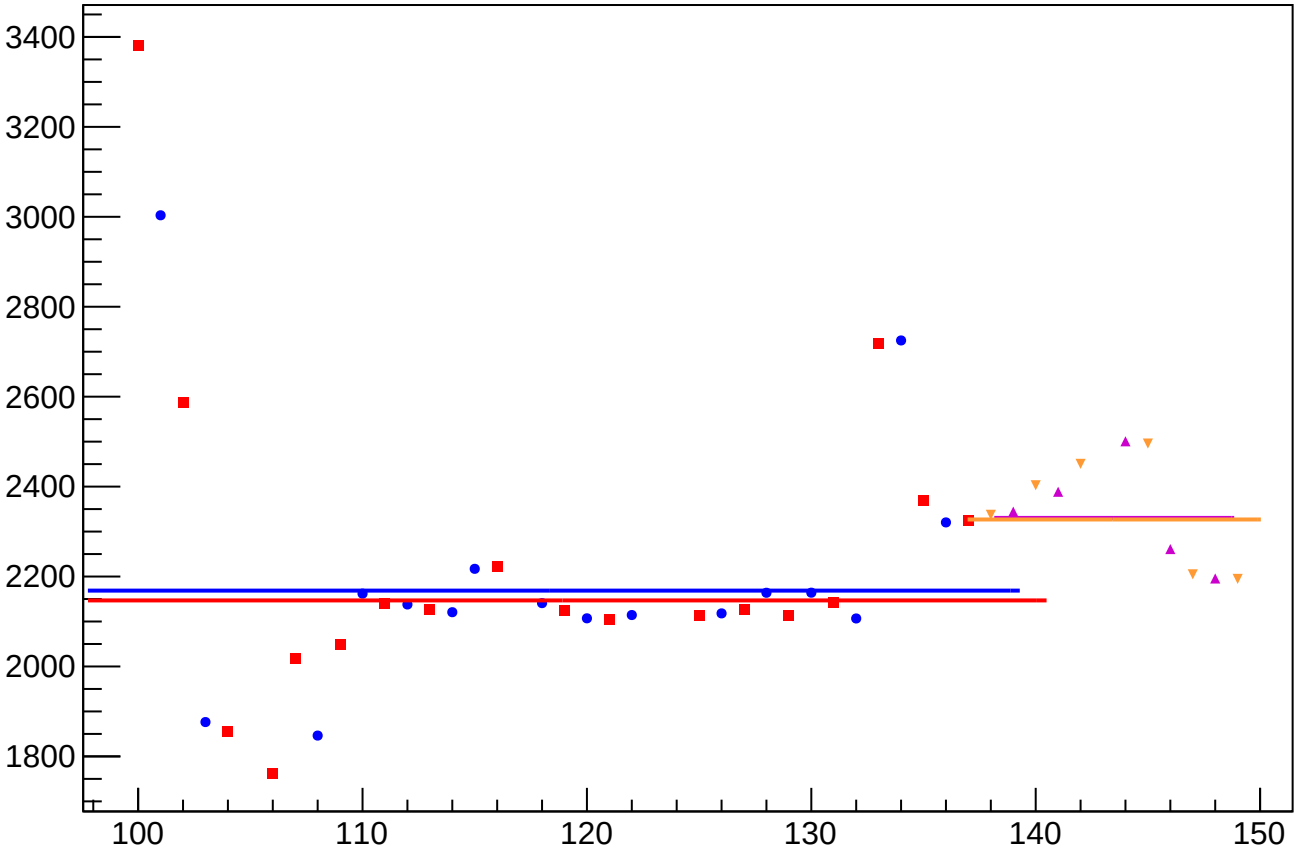
Left In: -4995.173+/-1115.426 χ^2/NDF:4.6/4

+ sign 4016.353+/-652.187 χ^2/NDF: 20.3/21

All: -136.701+/-462.122 χ^2/NDF: 119.9/44

- 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: 2326.882+/-0.773 χ^2/NDF:22524.6/5

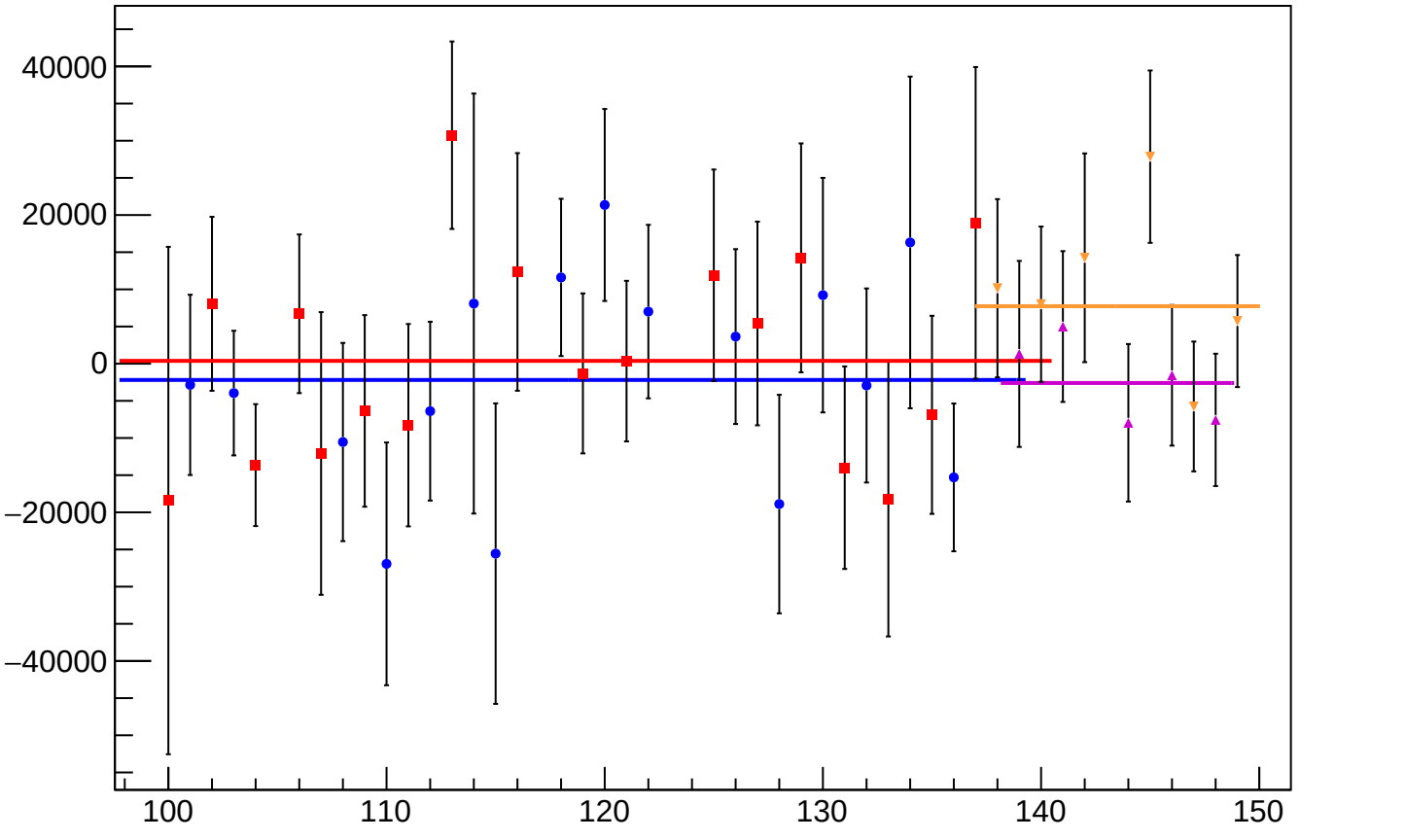
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2330.366+/-0.789 χ^2/NDF:17490.2/4

+ sign 2224.981+/-0.461 χ^2/NDF: 245143.6/21

All: 2217.360+/-0.326 χ^2/NDF: 456513.1/44

- 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: 7732.414+/-4286.822 χ^2/NDF:5.7/5

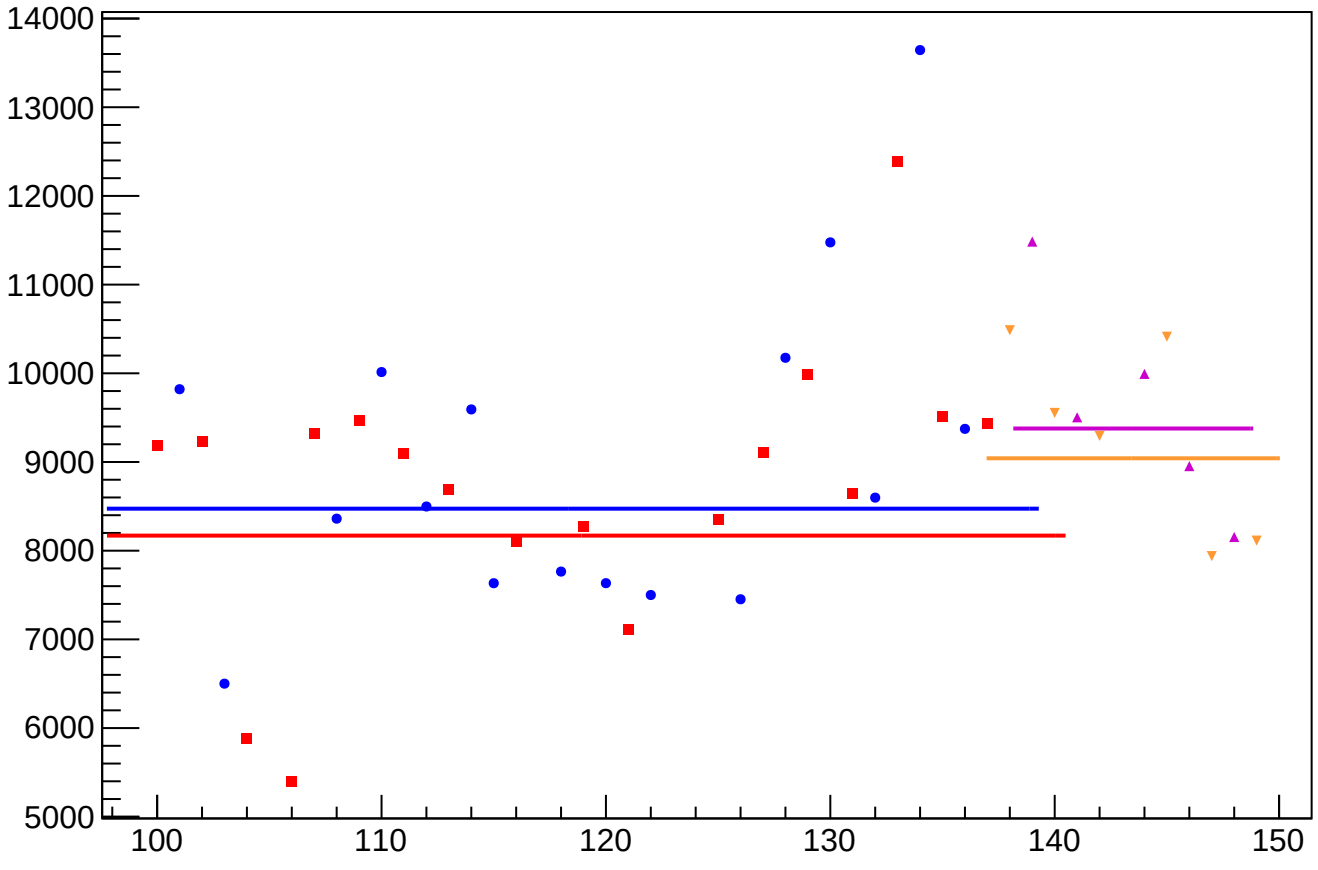
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -2597.487+/-4526.543 χ^2/NDF:1.2/4

+ sign 1373.166+/-2568.714 χ^2/NDF: 23.6/21

All: 396.826+/-1812.436 χ^2/NDF: 41.7/44

- 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: 9041.776+/-3.031 χ^2/NDF:116140.4/5

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

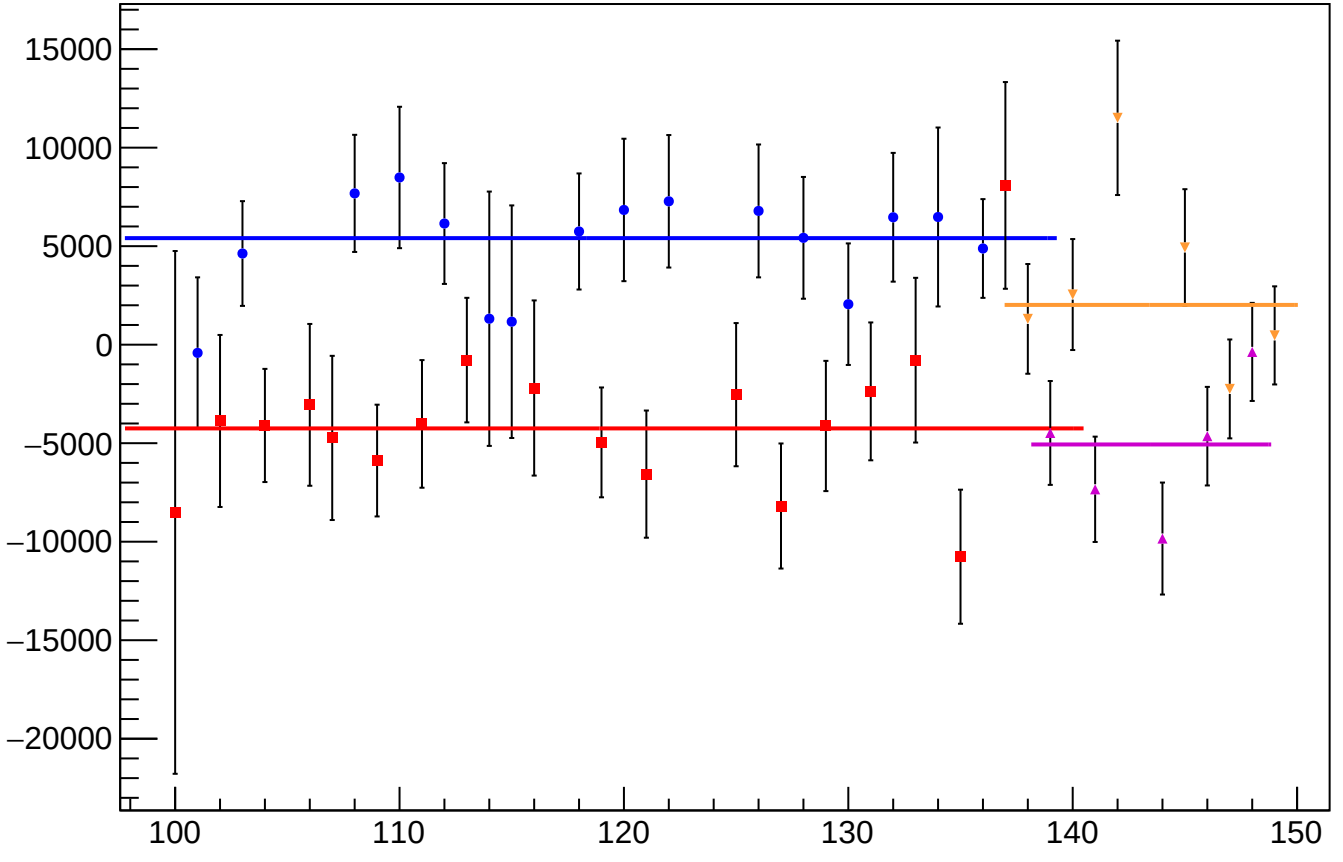
Left In: 9377.486+/-3.201 χ^2/NDF:105572.3/4

+ sign 8677.698+/-1.816 χ^2/NDF: 568195.2/21

All: 8616.350+/-1.282 χ^2/NDF: 1312841.5/44

- sign 8555.529+/-1.809 χ^2/NDF: 742374.6/22

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2018.331+/-1151.326 χ^2/NDF:10.2/5

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

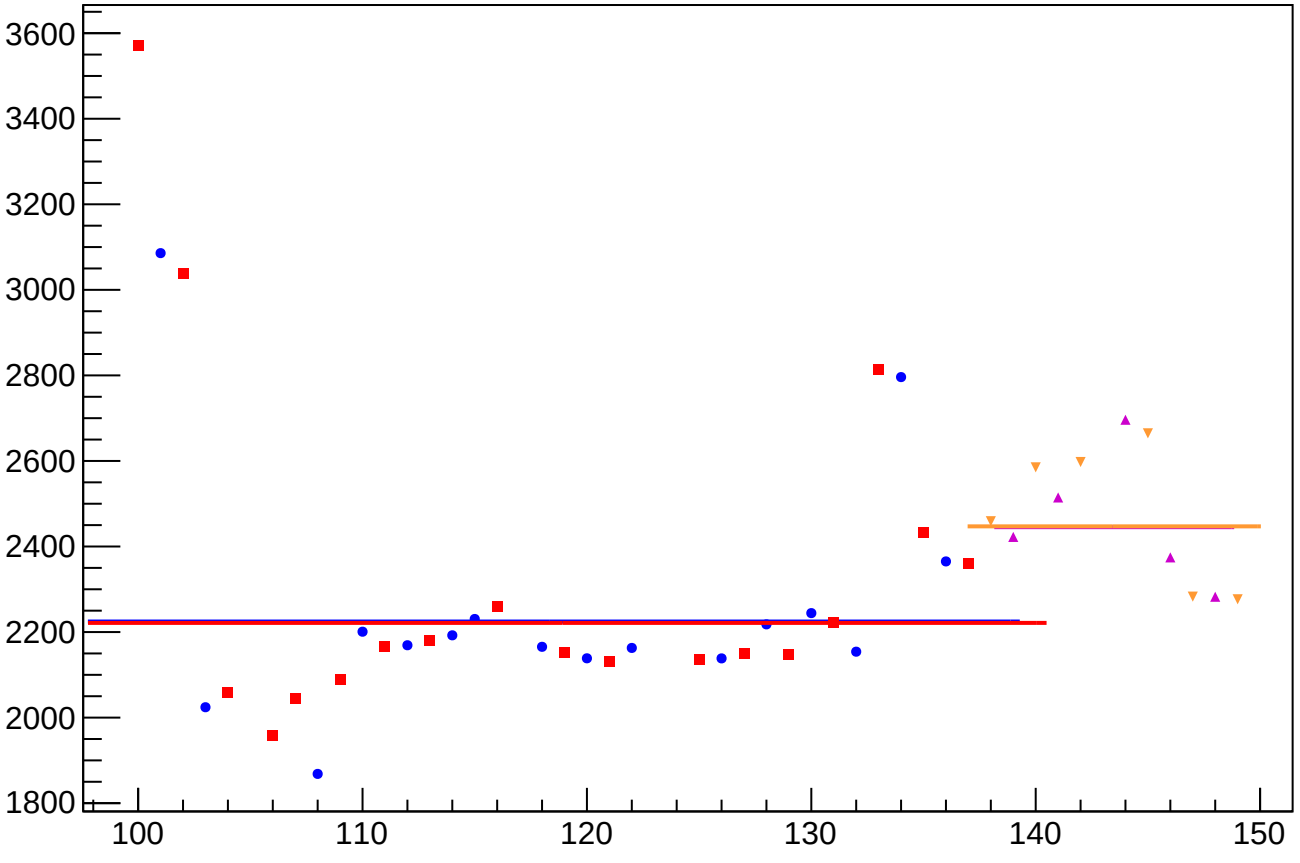
Left In: -5064.798+/-1171.332 χ^2/NDF:7.2/4

+ sign 4241.943+/-675.248 χ^2/NDF: 22.6/21

All: -96.927+/-479.932 χ^2/NDF: 128.0/44

- 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: 2447.100+/-0.814 χ^2/NDF:36528.0/5

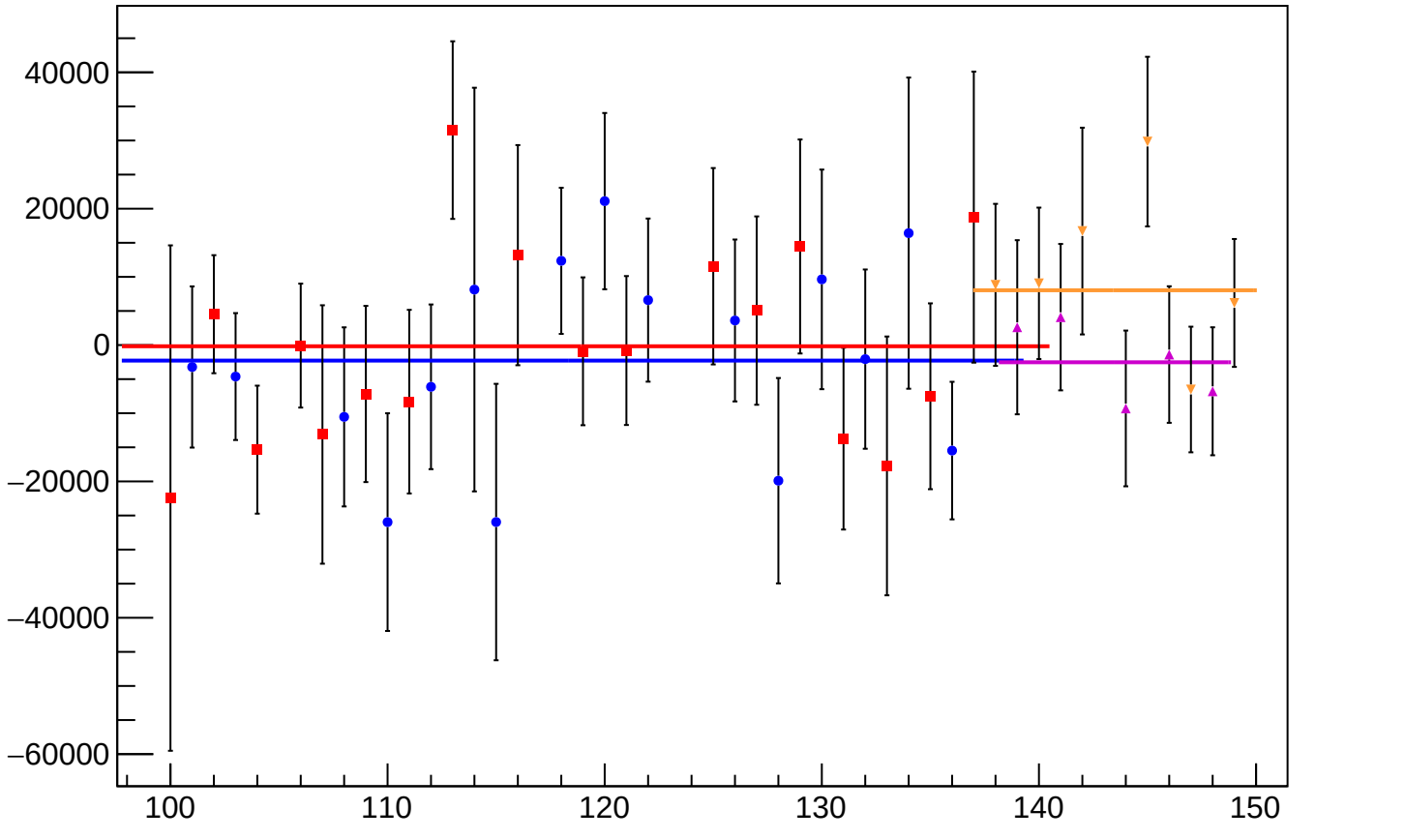
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2445.207+/-0.828 χ^2/NDF:27249.2/4

+ sign 2301.144+/-0.477 χ^2/NDF: 270203.4/21

All: 2299.233+/-0.339 χ^2/NDF: 515682.6/44

- 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: 8035.483+/-4510.701 χ^2/NDF:5.9/5

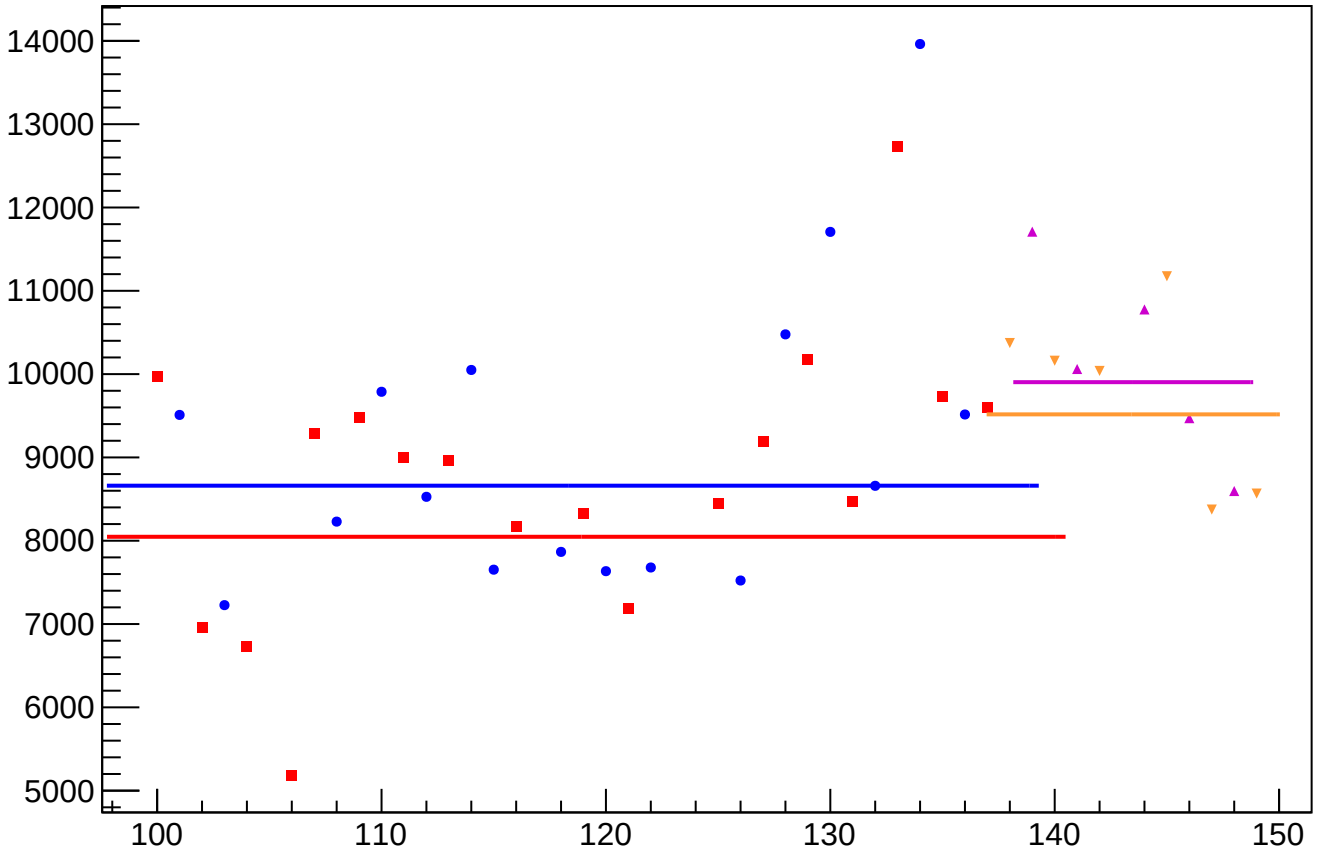
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -2525.481+/-4778.300 χ^2/NDF:1.1/4

+ sign 1277.150+/-2648.427 χ^2/NDF: 23.9/21

All: 177.200+/-1841.448 χ^2/NDF: 41.1/44

- 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: 9516.829+/-3.190 χ^2/NDF:106308.8/5

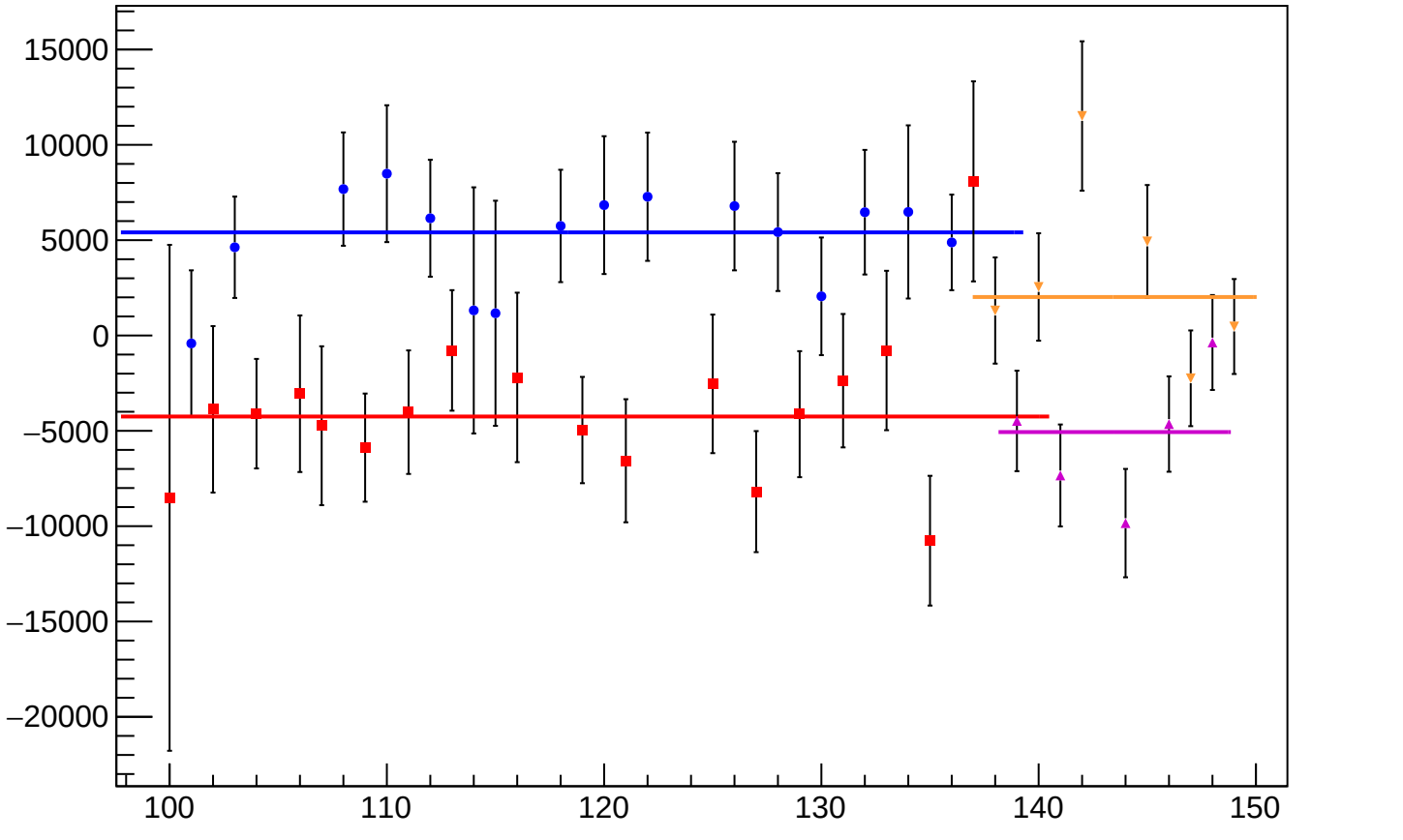
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 9903.419+/-3.379 χ^2/NDF:94637.0/4

+ sign 8955.861+/-1.873 χ^2/NDF: 511477.4/21

All: 8762.256+/-1.302 χ^2/NDF: 1400344.6/44

- 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: 2018.344+/-1151.327 χ^2/NDF:10.2/5

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

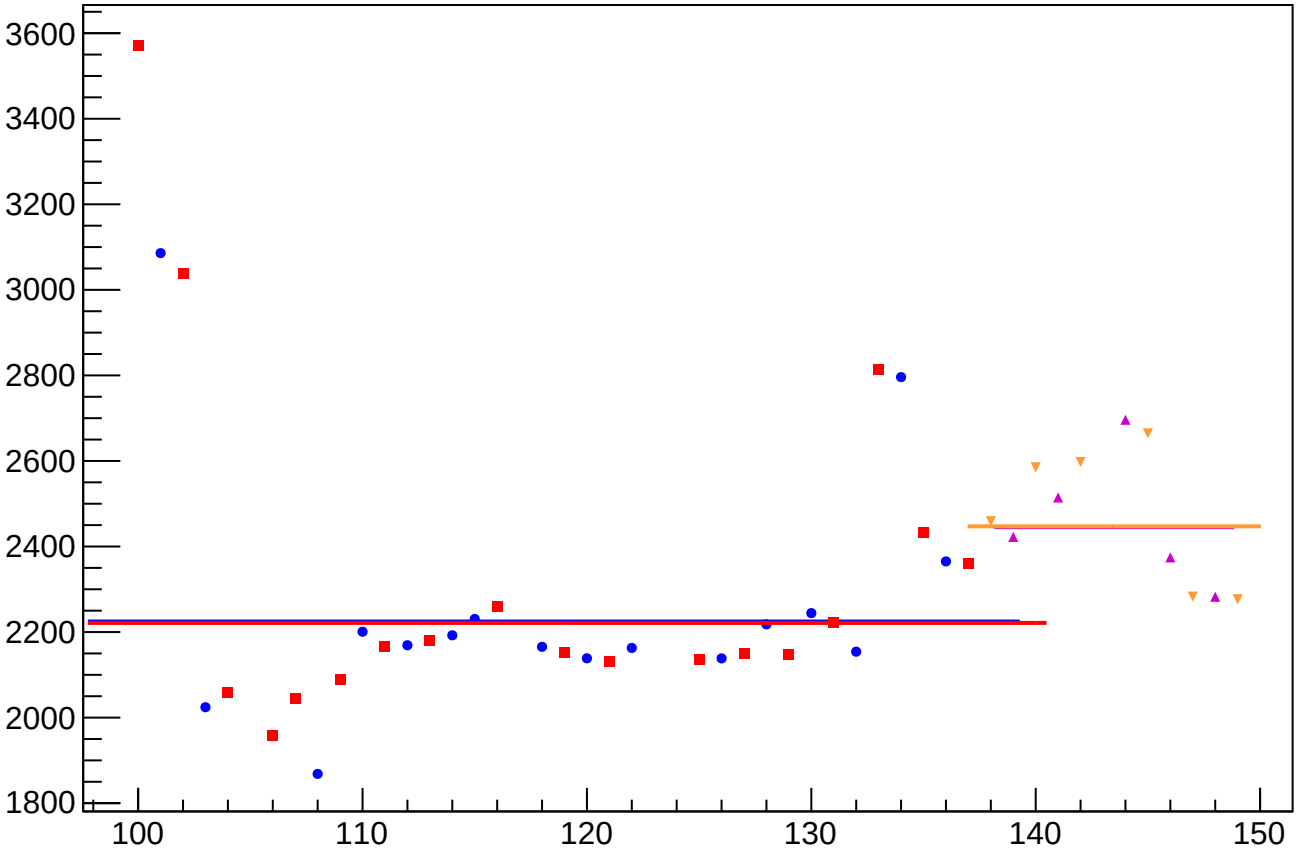
Left In: -5064.790+/-1171.333 χ^2/NDF:7.2/4

+ sign 4241.951+/-675.248 χ^2/NDF: 22.6/21

All: -96.922+/-479.932 χ^2/NDF: 128.0/44

- 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: 2447.102+/-0.814 χ^2/NDF:36528.6/5

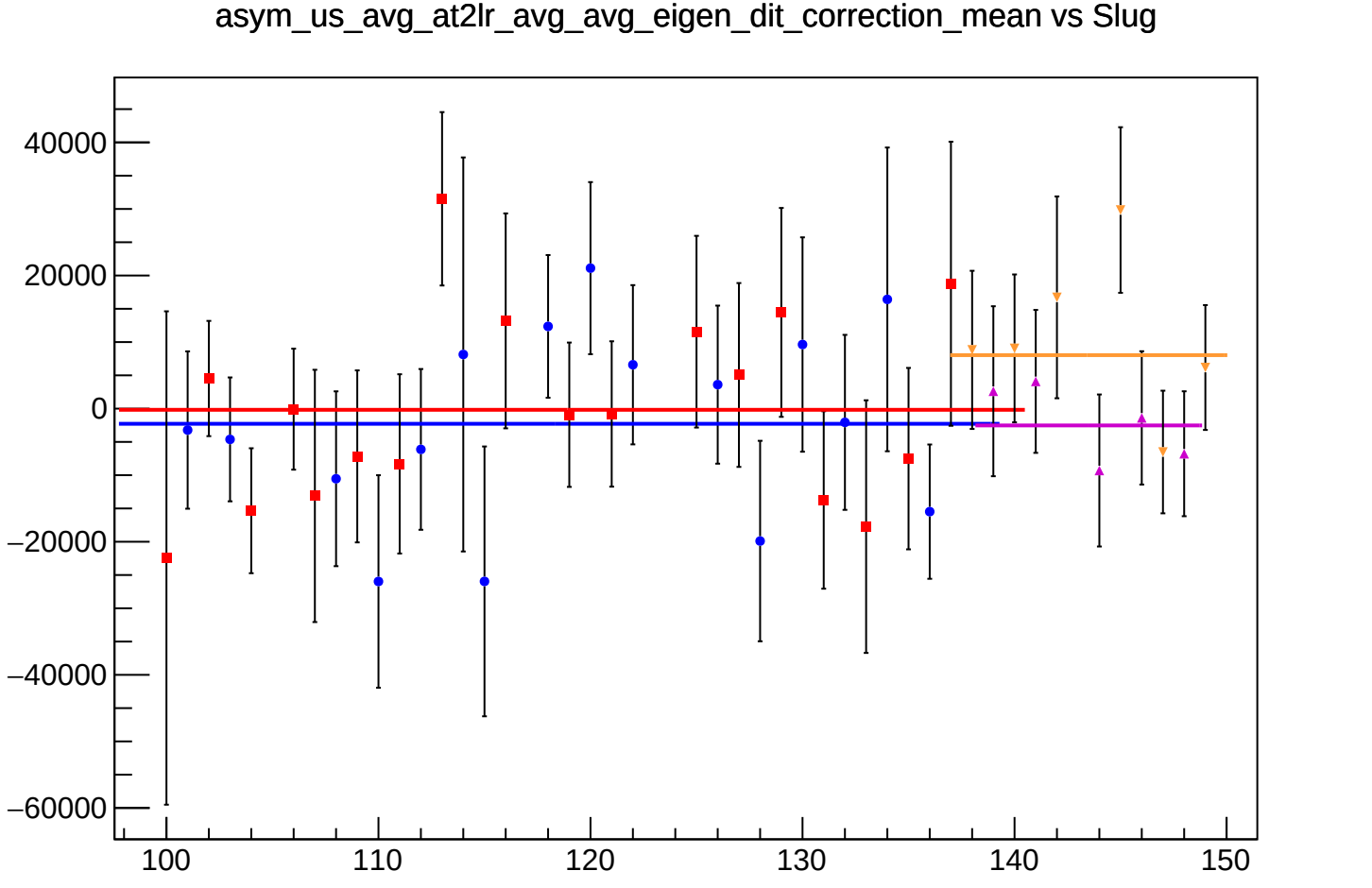
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2445.210+/-0.828 χ^2/NDF:27249.4/4

+ sign 2301.144+/-0.477 χ^2/NDF: 270205.6/21

All: 2299.234+/-0.339 χ^2/NDF: 515686.5/44

- 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: 8035.489+/-4510.708 χ^2/NDF:5.9/5

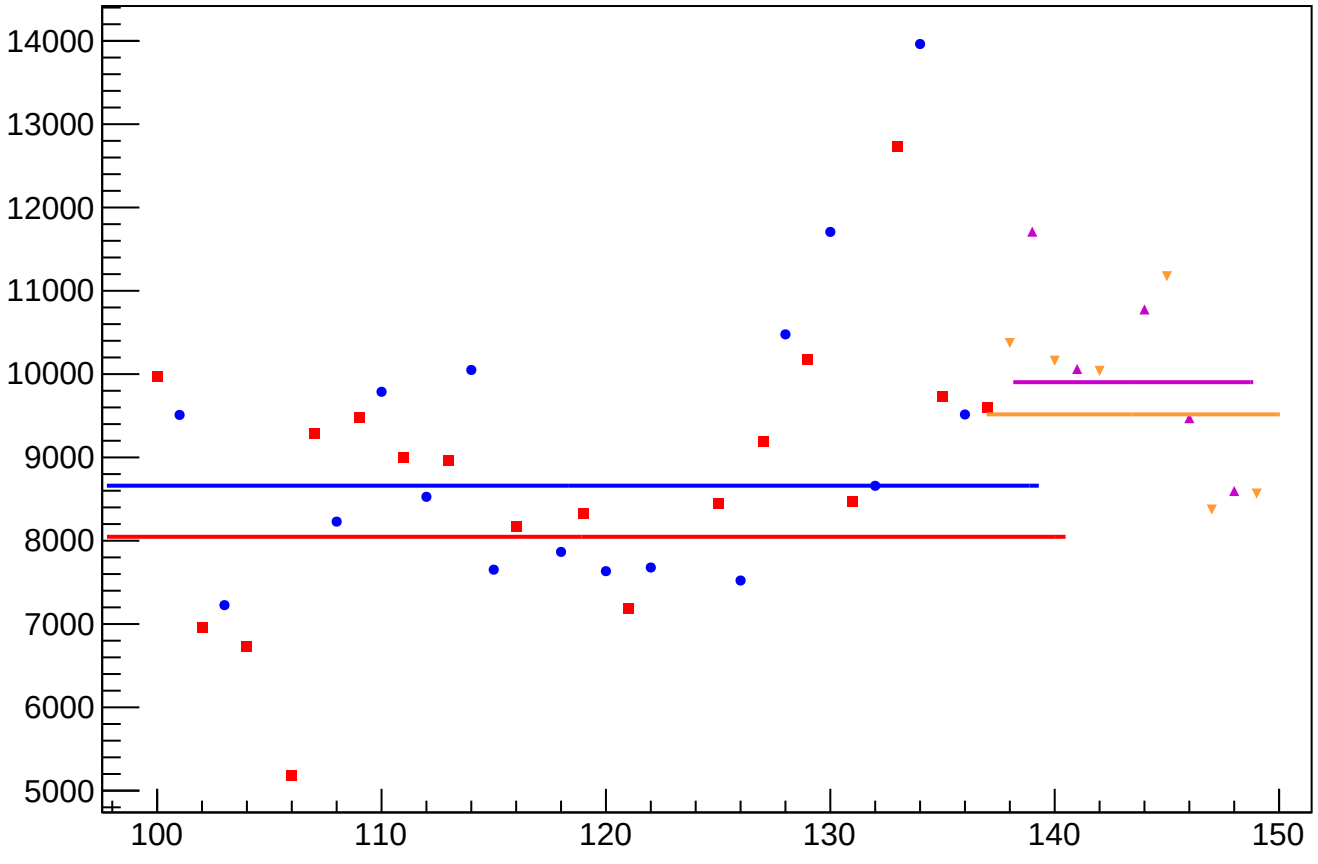
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -2525.474+/-4778.307 χ^2/NDF:1.1/4

+ sign 1277.149+/-2648.424 χ^2/NDF: 23.9/21

All: 177.200+/-1841.446 χ^2/NDF: 41.1/44

- 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: 9516.842+/-3.190 χ^2/NDF:106310.0/5

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

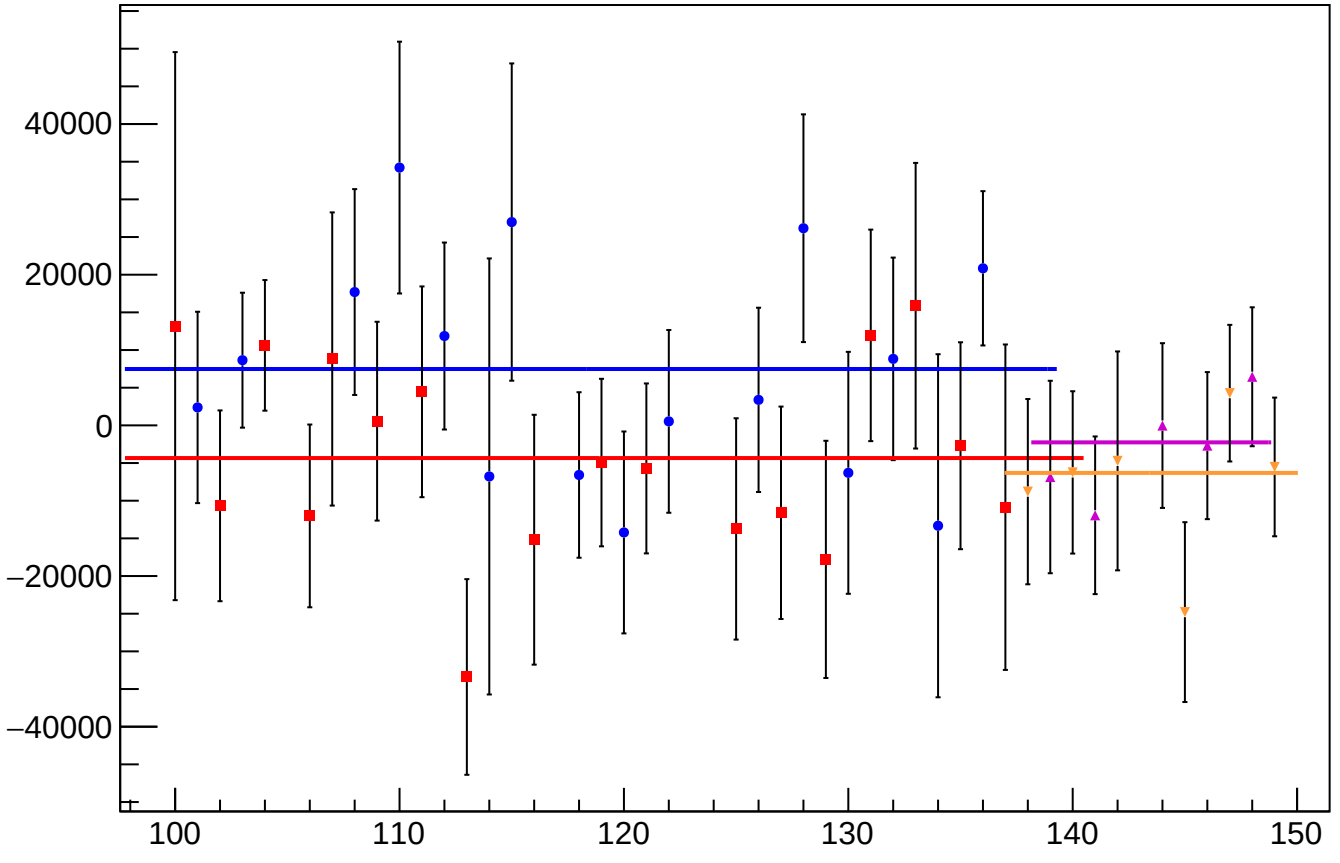
Left In: 9903.433+/-3.379 χ^2/NDF:94637.8/4

+ sign 8955.850+/-1.873 χ^2/NDF: 511484.5/21

All: 8762.245+/-1.302 χ^2/NDF: 1400358.3/44

- 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: -6309.829+/-4430.247 χ^2/NDF:3.8/5

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

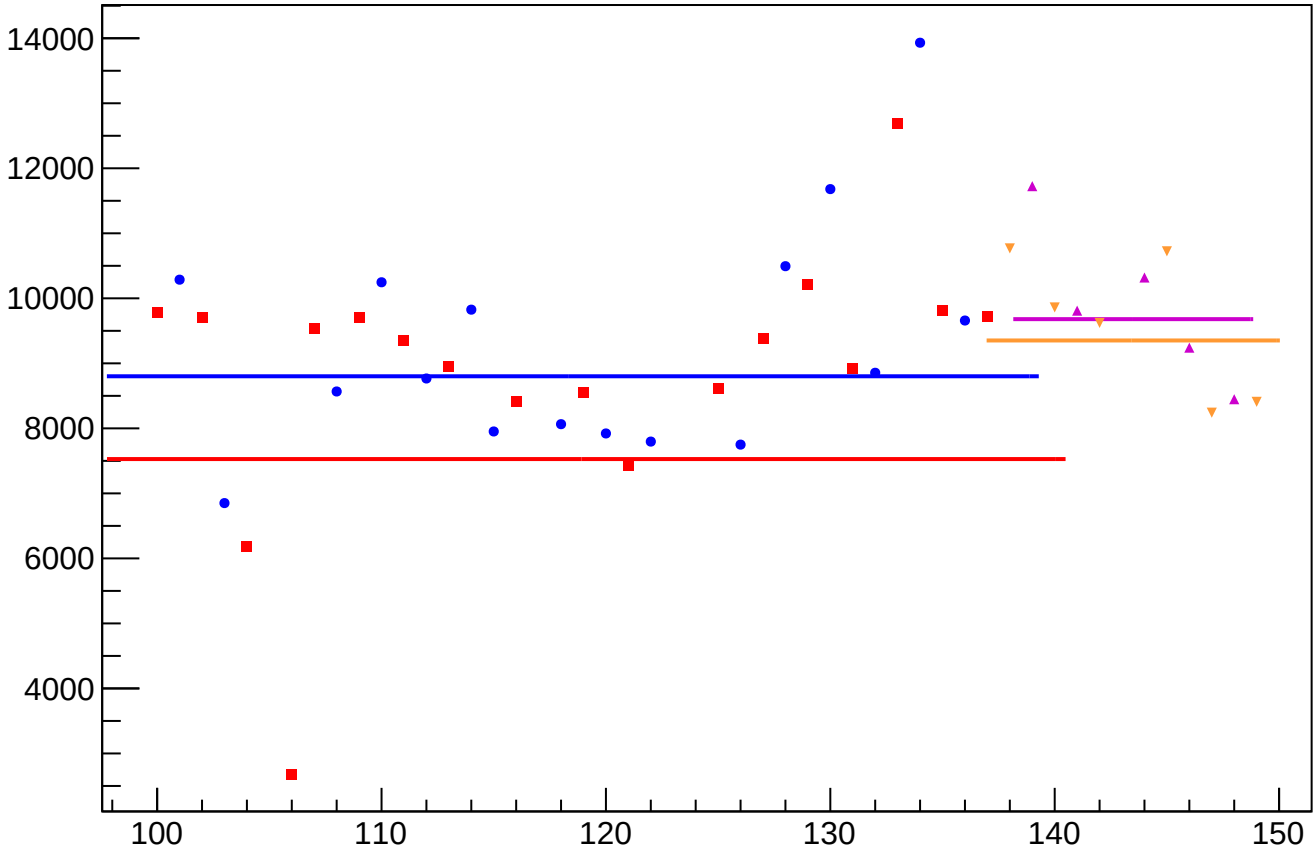
Left In: -2256.707+/-4668.695 χ^2/NDF:1.9/4

+ sign 2501.061+/-2662.356 χ^2/NDF: 24.0/21

All: -578.832+/-1882.891 χ^2/NDF: 43.1/44

- 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: 9351.871+/-3.133 χ^2/NDF:109090.5/5

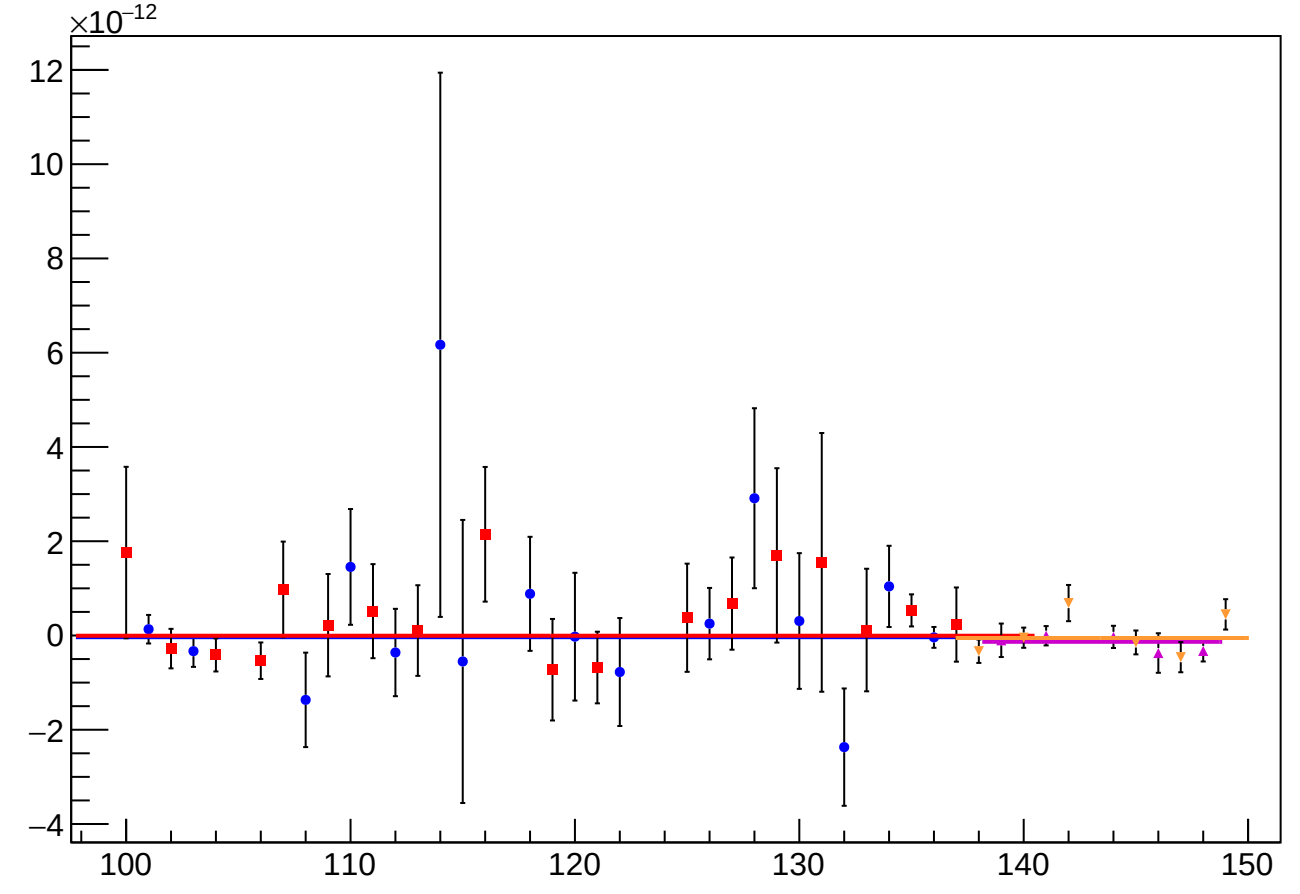
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 9679.796+/-3.301 χ^2/NDF:98151.9/4

+ sign 8999.987+/-1.883 χ^2/NDF: 523415.5/21

All: 8558.366+/-1.297 χ^2/NDF: 2683754.3/44

- 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:9.2/5

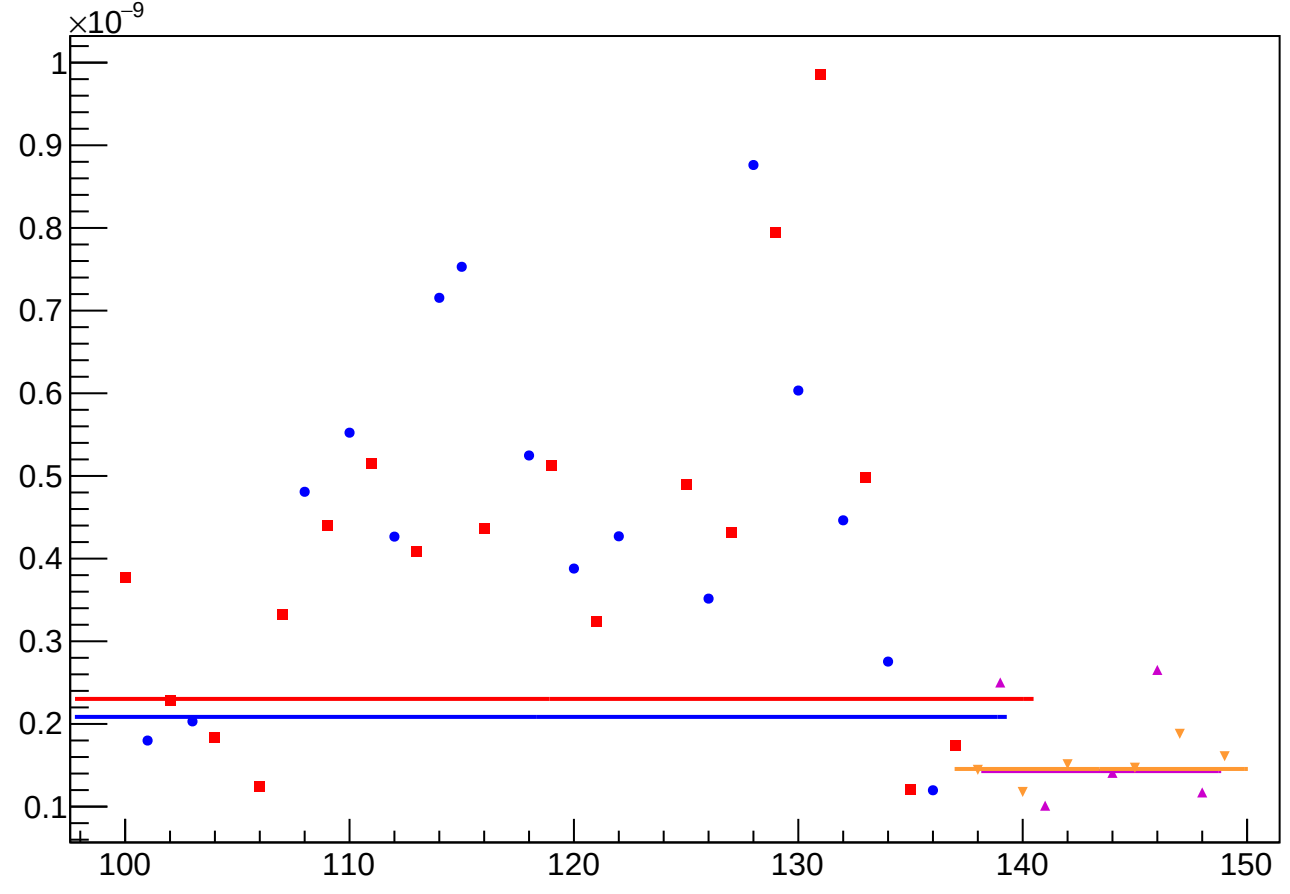
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:1.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 23.5/21

All: -0.000+/-0.000 χ^2/NDF: 39.4/44

- 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:74190.8/5

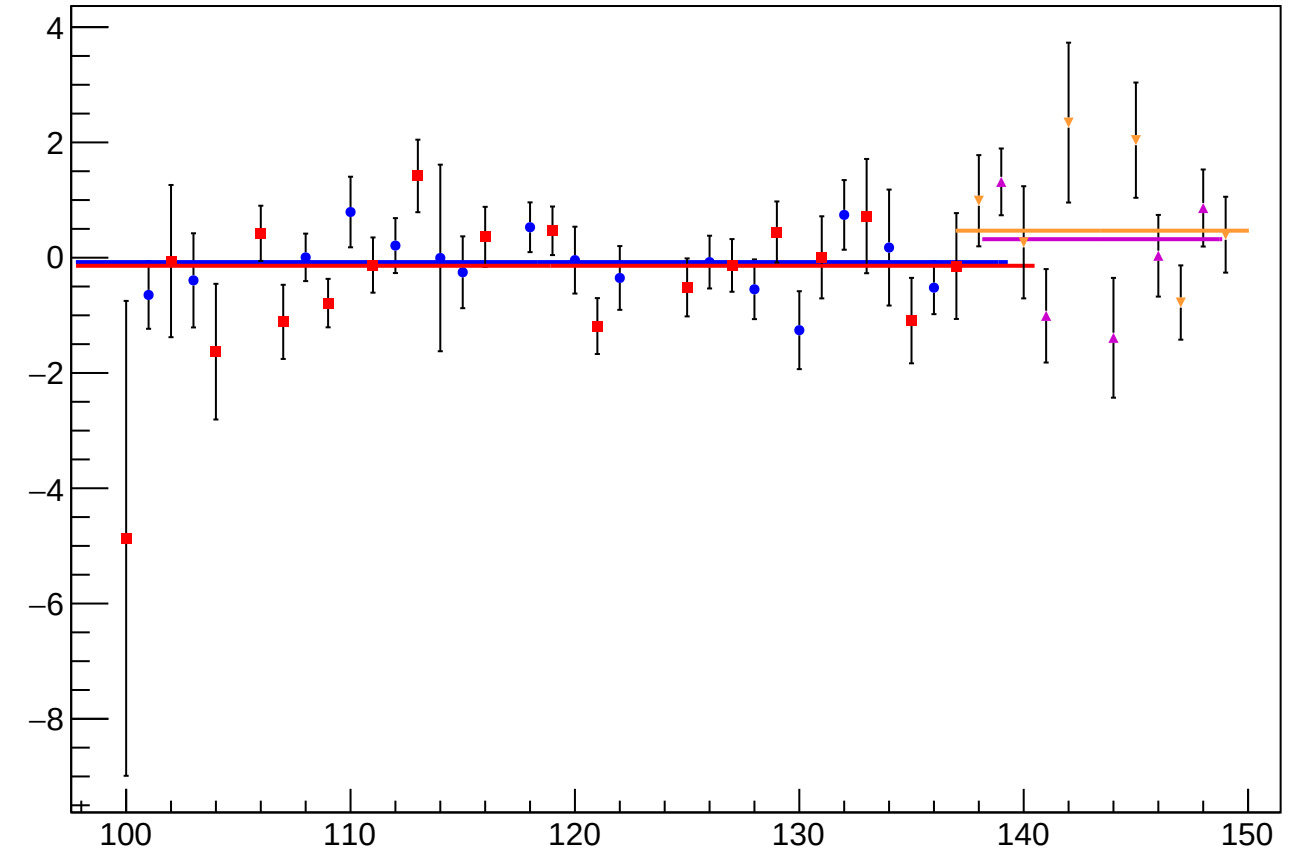
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:462159.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 1949691.0/21

All: 0.000+/-0.000 χ^2/NDF: 4379052.6/44

- sign 0.000+/-0.000 χ^2/NDF: 2427476.9/22



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.469+/-0.335 χ^2/NDF:8.5/5

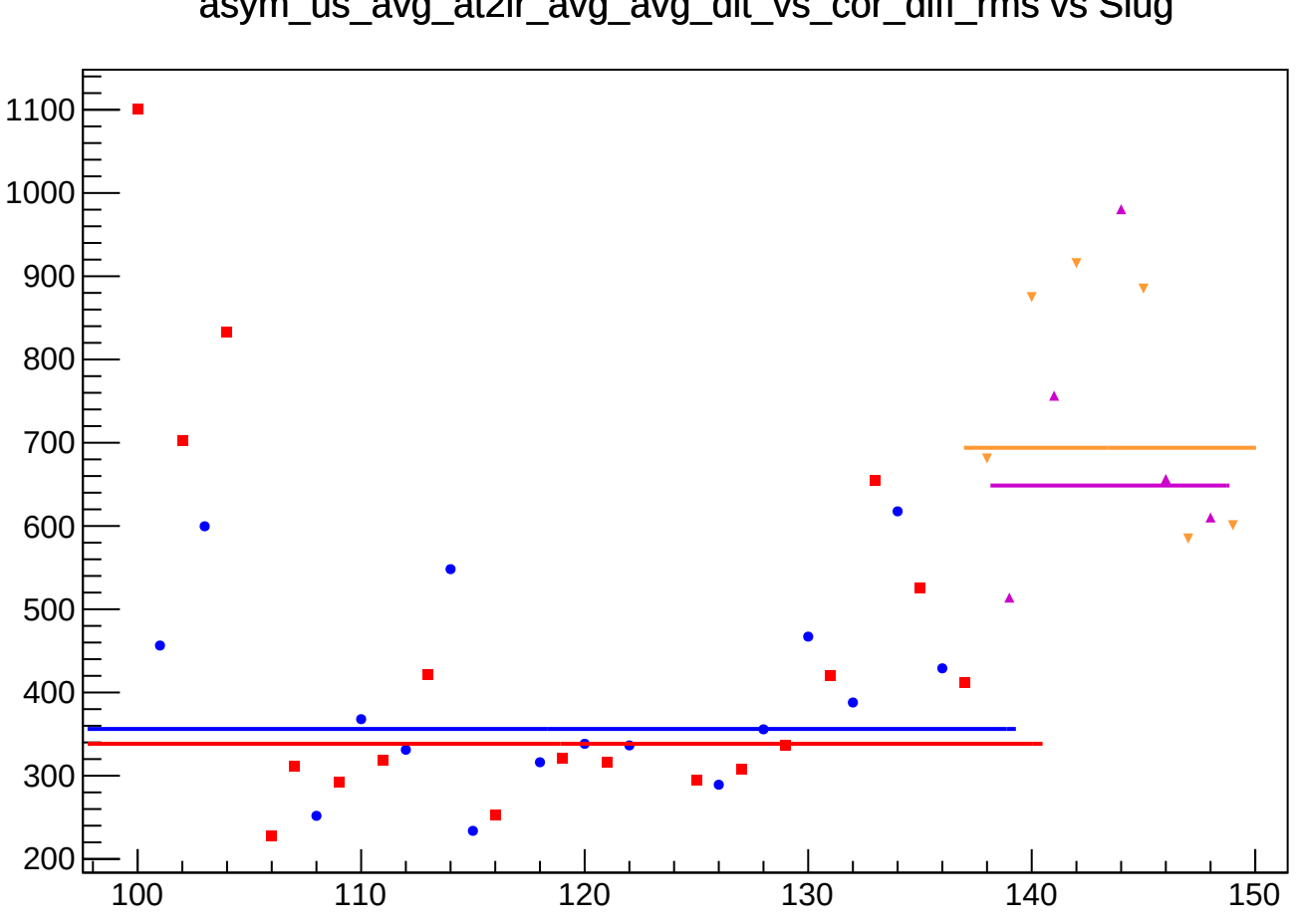
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.321+/-0.322 χ^2/NDF:9.2/4

\+ sign 0.004+/-0.129 χ^2/NDF: 23.3/21

All: -0.033+/-0.090 χ^2/NDF: 61.3/44

\- sign -0.069+/-0.127 χ^2/NDF: 37.9/22


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug
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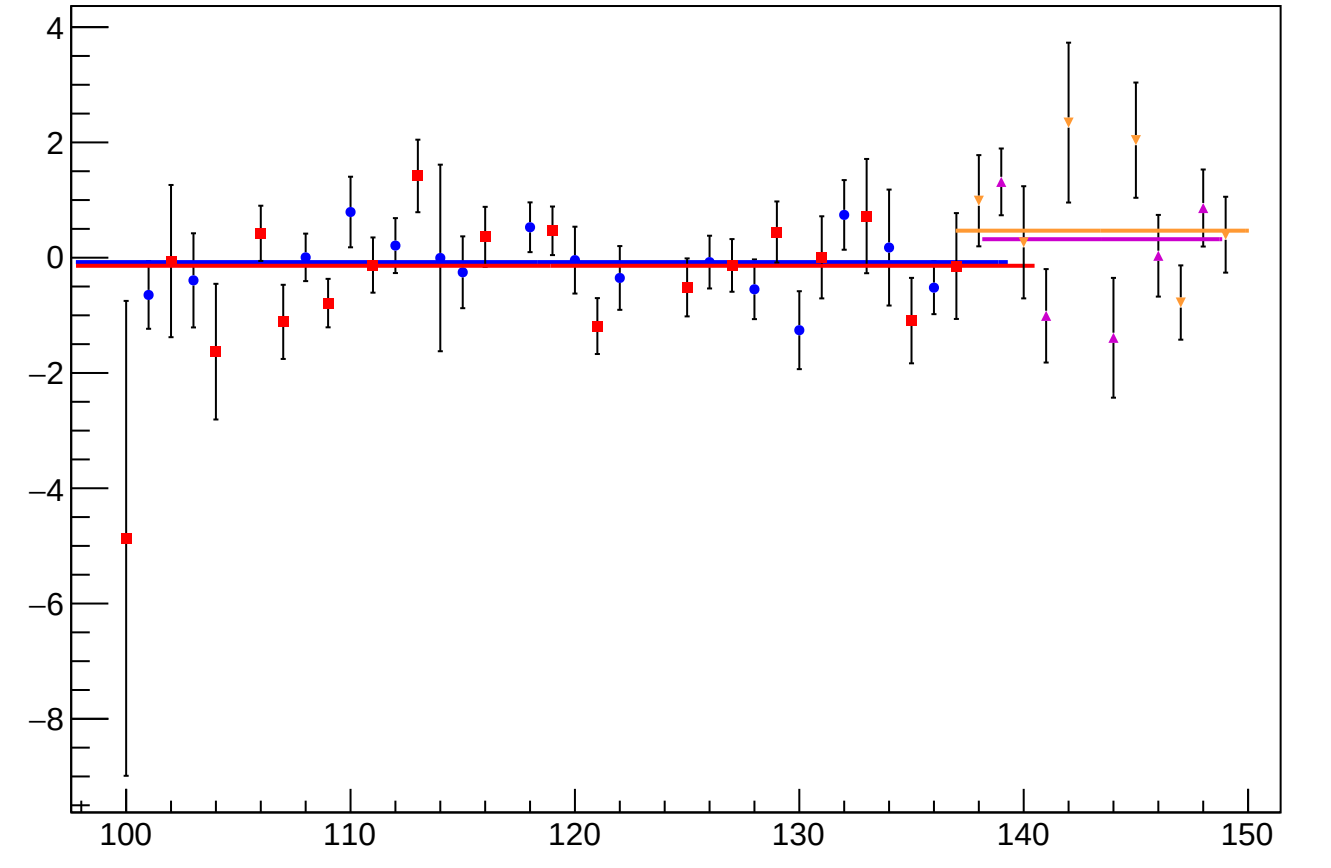
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 693.946+/-0.237 χ²/NDF:291277.1/5
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 648.617+/-0.228 χ²/NDF:354404.9/4
+ sign 406.250+/-0.091 χ²/NDF: 2804158.6/21
All: 396.245+/-0.064 χ²/NDF: 5955866.3/44
- sign 386.596+/-0.090 χ²/NDF: 3128117.9/22



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.469+/-0.335 χ^2/NDF:8.5/5

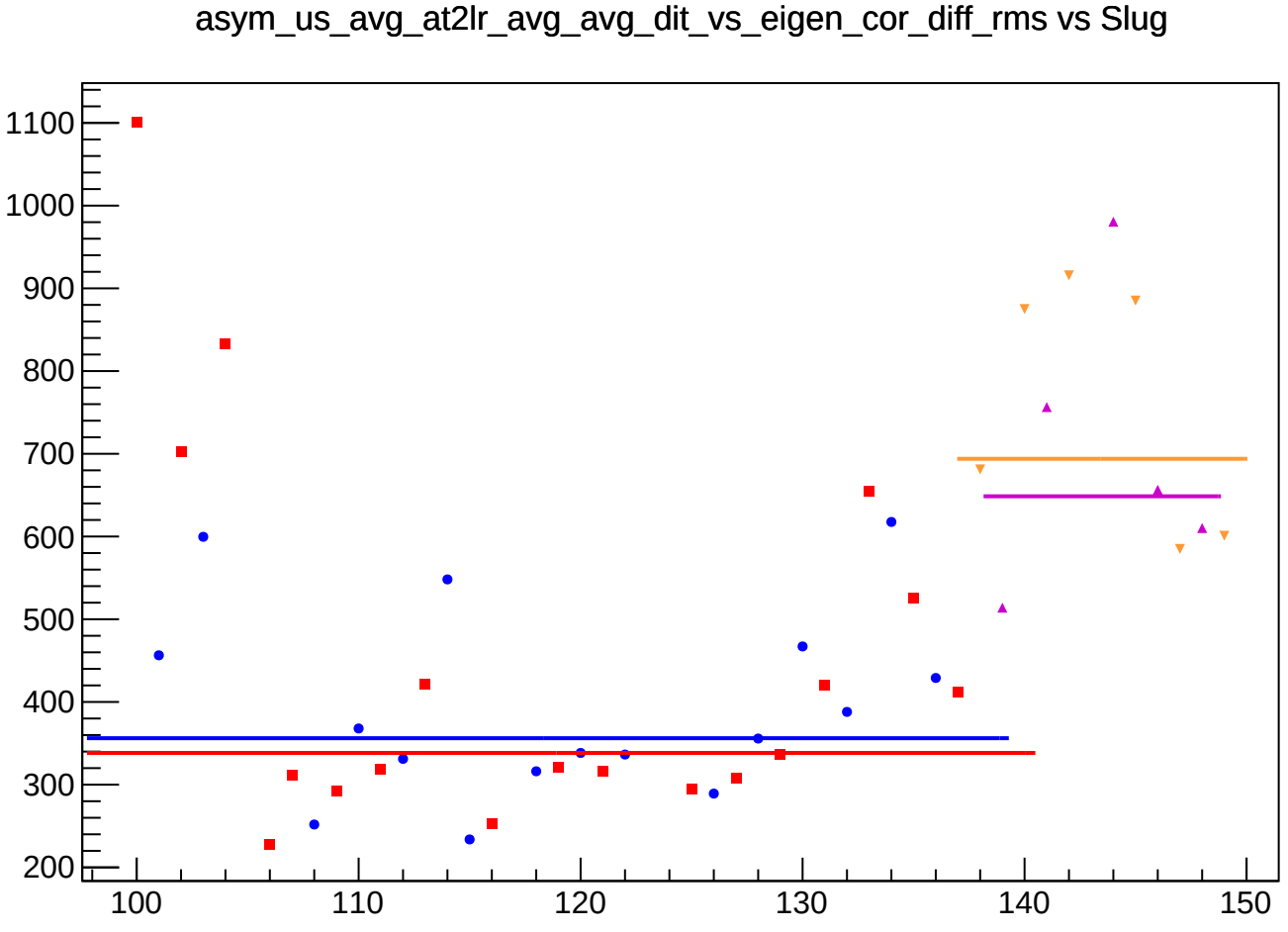
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.321+/-0.322 χ^2/NDF:9.2/4

+ sign 0.004+/-0.129 χ^2/NDF: 23.3/21

All: -0.033+/-0.090 χ^2/NDF: 61.3/44

- sign -0.069+/-0.127 χ^2/NDF: 37.9/22


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
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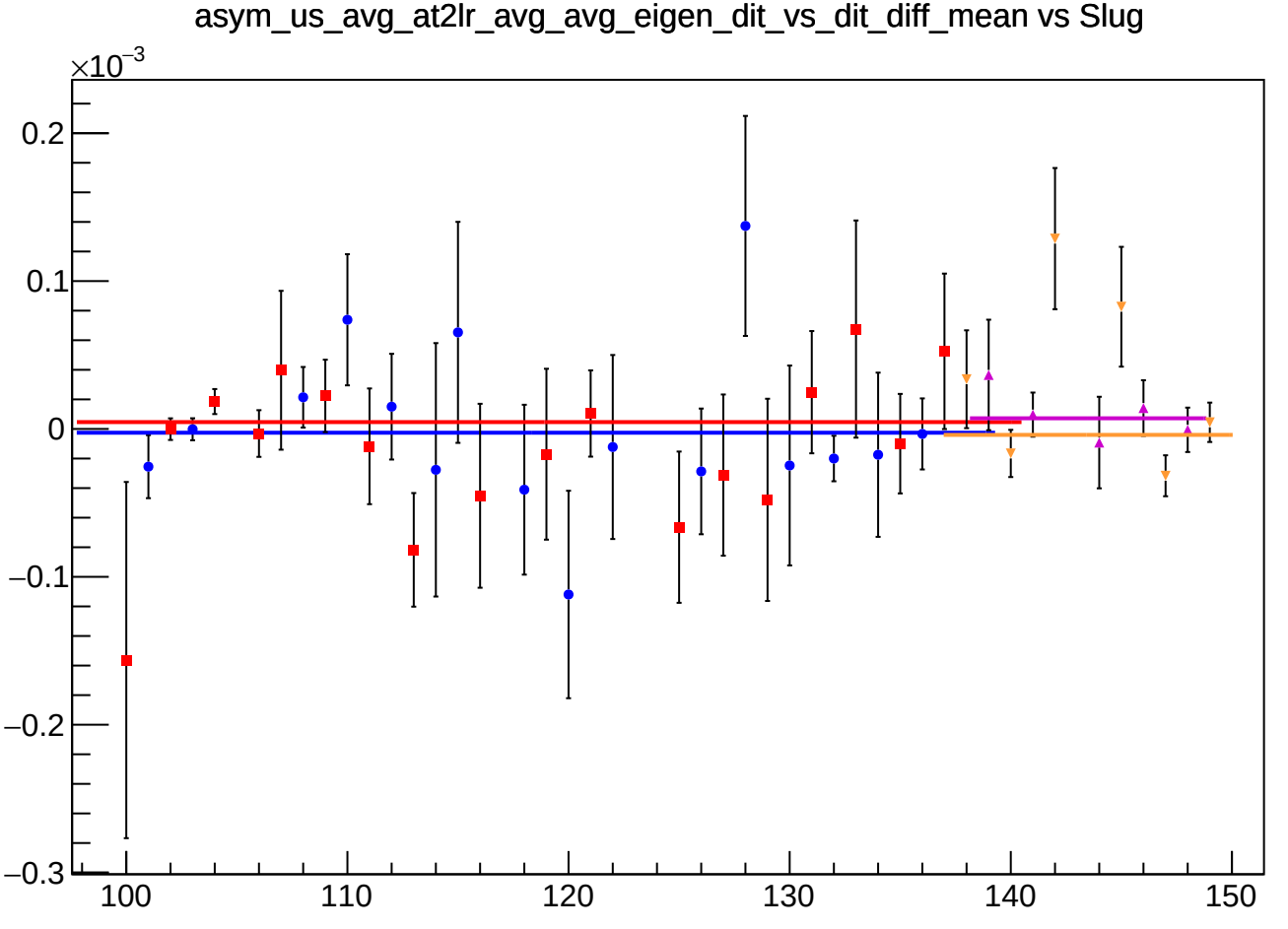
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 693.946+/-0.237 χ²/NDF:291277.1/5
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 648.617+/-0.228 χ²/NDF:354404.9/4
+ sign 406.250+/-0.091 χ²/NDF: 2804158.6/21
All: 396.245+/-0.064 χ²/NDF: 5955866.3/44
- sign 386.596+/-0.090 χ²/NDF: 3128117.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.6/5

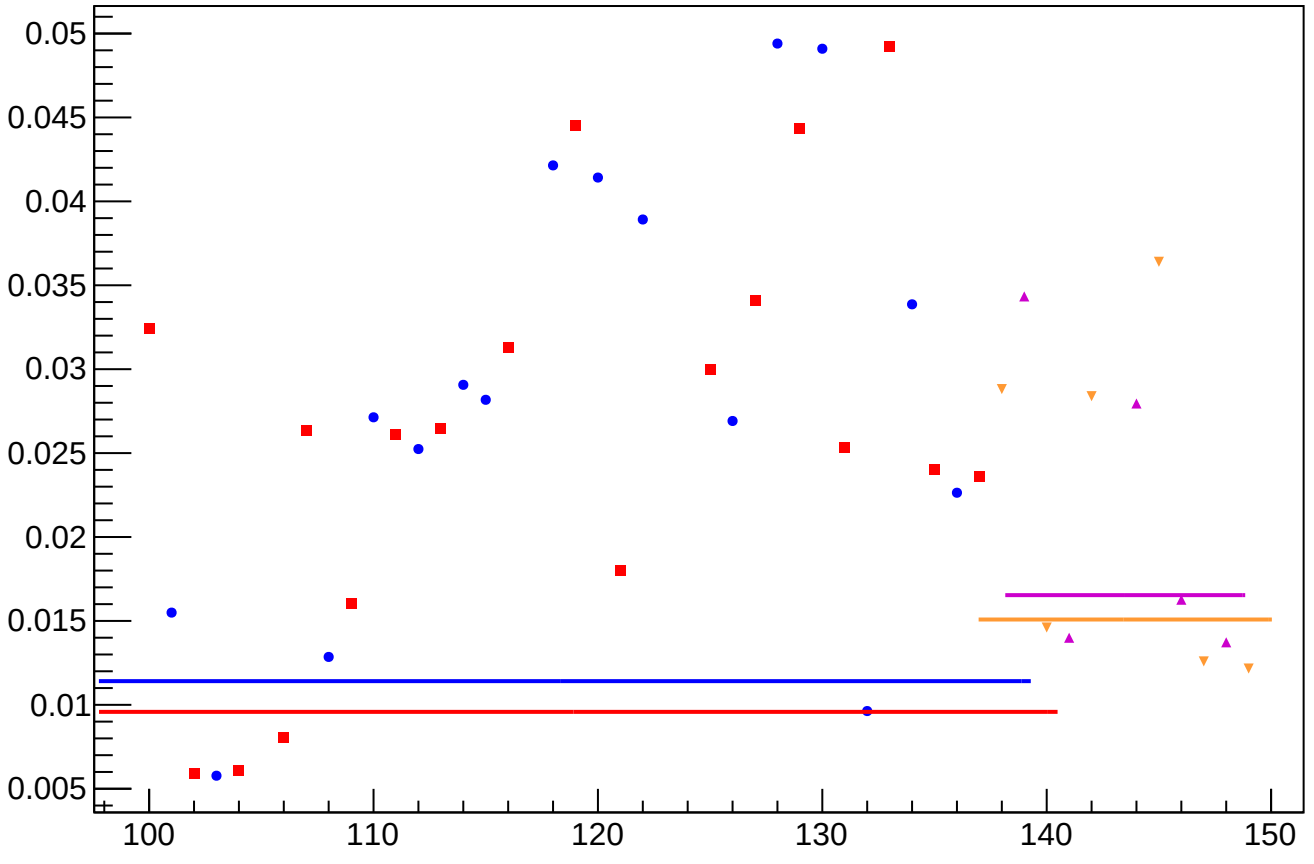
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 33.7/21

All: 0.000+/-0.000 χ^2/NDF: 54.0/44

- 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: 0.015+/-0.000 χ^2/NDF:1216969.3/5

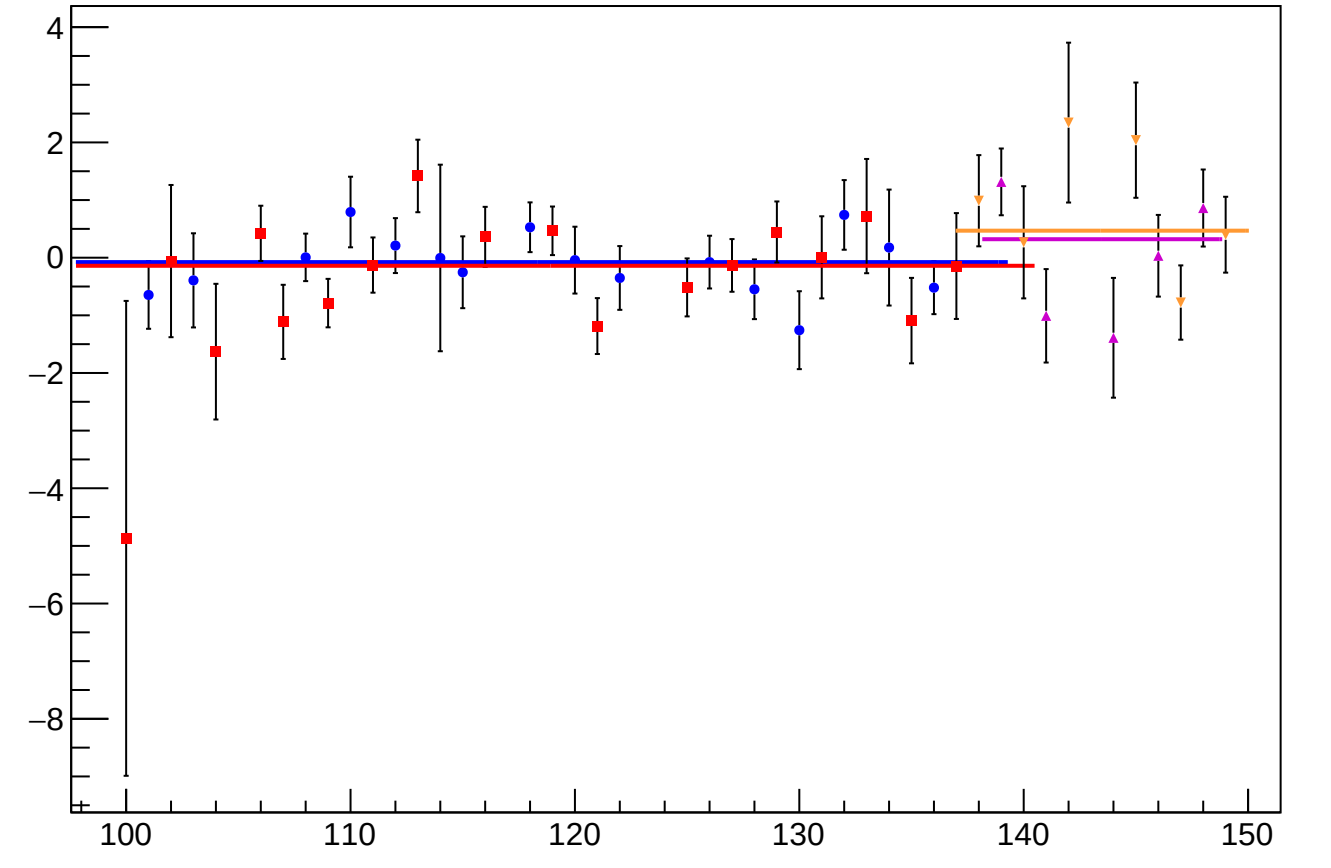
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.017+/-0.000 χ^2/NDF:854467.2/4

+ sign 0.013+/-0.000 χ^2/NDF: 7015063.7/21

All: 0.012+/-0.000 χ^2/NDF: 14777764.5/44

- 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: 0.469+/-0.335 χ^2/NDF:8.5/5

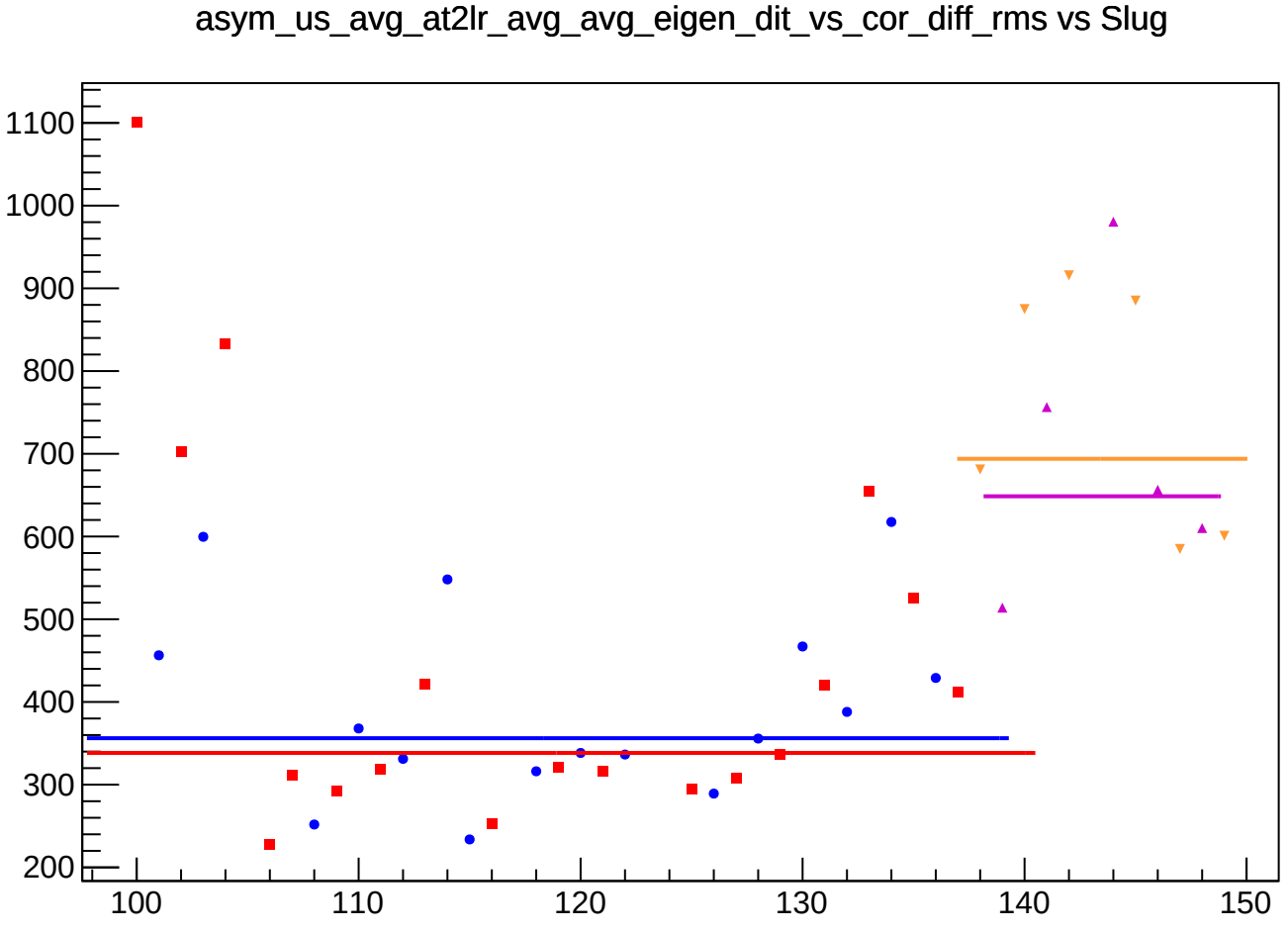
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.321+/-0.322 χ^2/NDF:9.2/4

\+ sign 0.004+/-0.129 χ^2/NDF: 23.3/21

All: -0.033+/-0.090 χ^2/NDF: 61.3/44

\- sign -0.069+/-0.127 χ^2/NDF: 37.9/22


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
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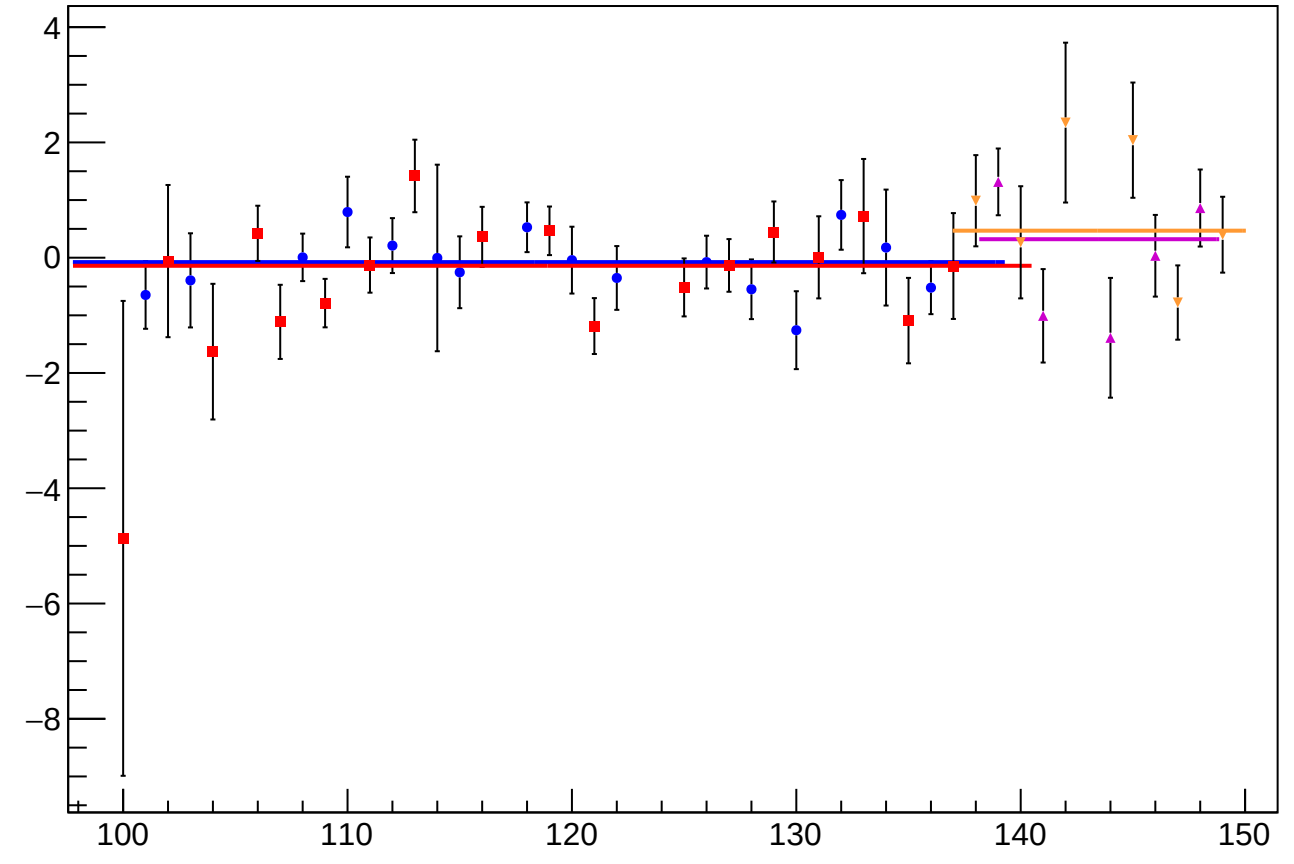
Right In: 356.188+/-0.099 χ²/NDF: 785072.9/15
Left Out: 693.953+/-0.237 χ²/NDF:291281.9/5
Right Out: 338.408+/-0.098 χ²/NDF: 1203260.7/17
Left In: 648.627+/-0.228 χ²/NDF:354392.8/4
+ sign 406.249+/-0.091 χ²/NDF: 2804191.3/21
All: 396.243+/-0.064 χ²/NDF: 5955953.3/44
- sign 386.594+/-0.090 χ²/NDF: 3128170.8/22



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.469+/-0.335 χ^2/NDF:8.5/5

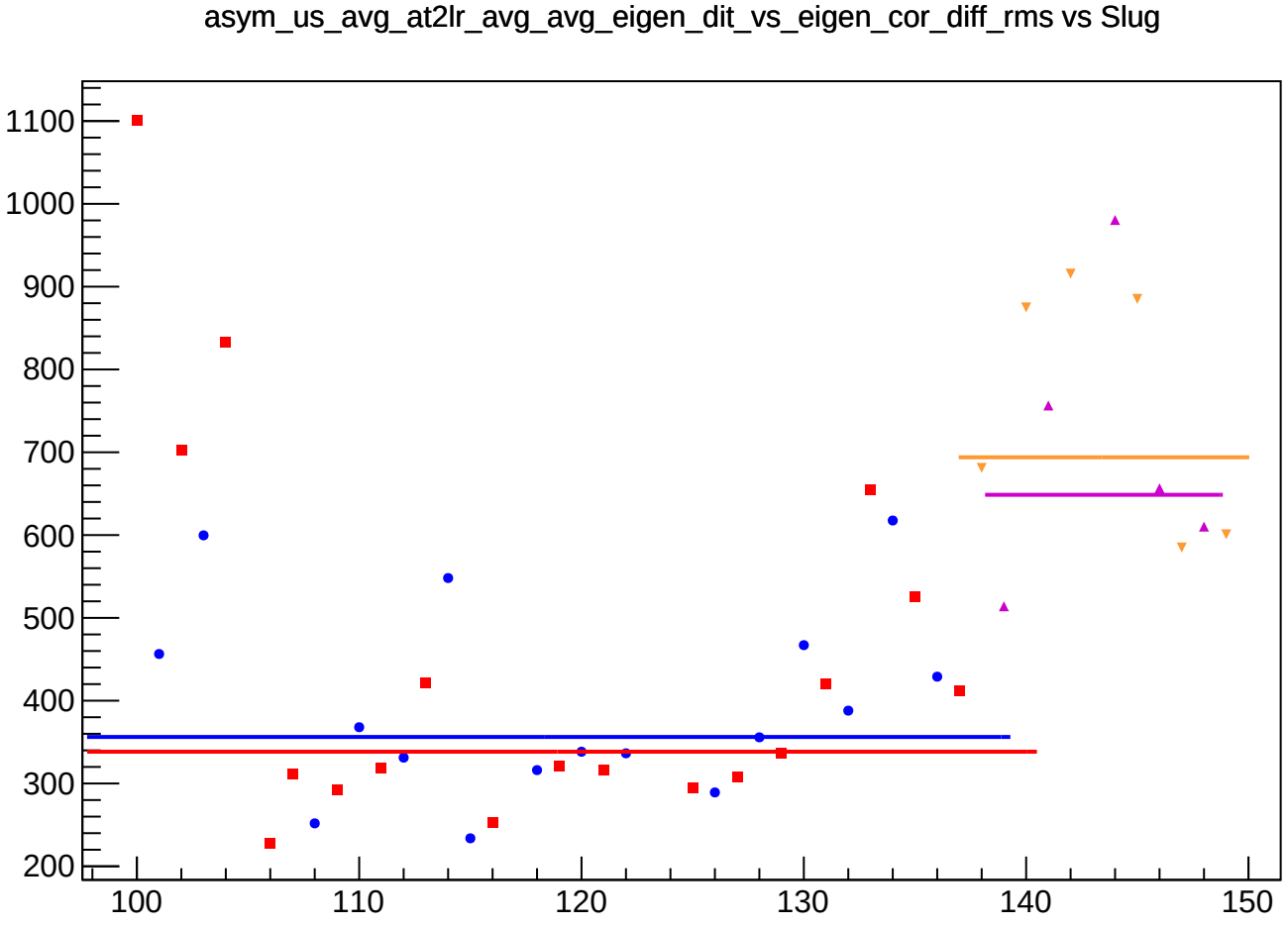
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.321+/-0.322 χ^2/NDF:9.2/4

+ sign 0.004+/-0.129 χ^2/NDF: 23.3/21

All: -0.033+/-0.090 χ^2/NDF: 61.3/44

- 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: 693.953+/-0.237 χ^2/NDF:291281.9/5

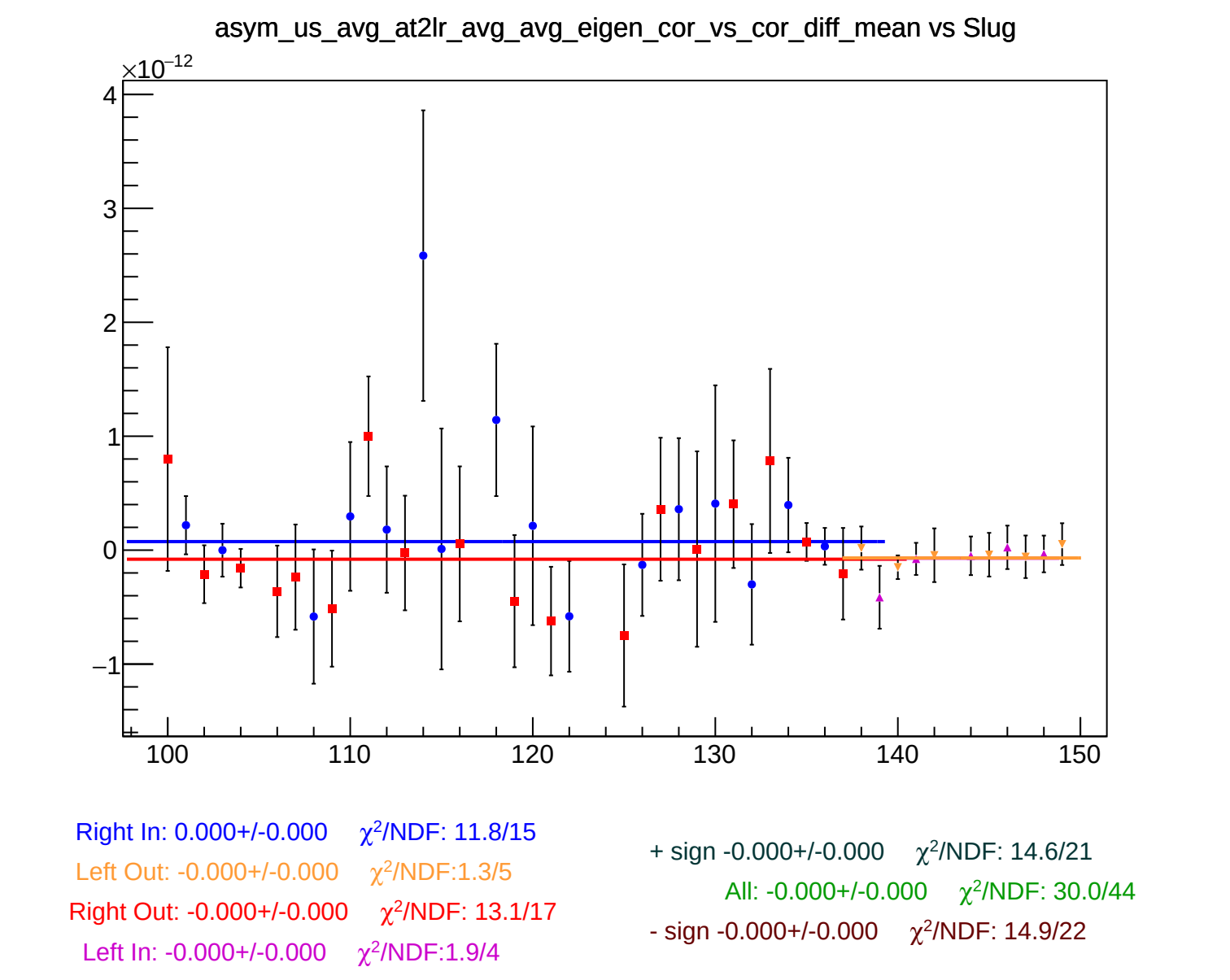
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 648.627+/-0.228 χ^2/NDF:354392.8/4

+ sign 406.249+/-0.091 χ^2/NDF: 2804191.3/21

All: 396.243+/-0.064 χ^2/NDF: 5955953.3/44

- 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
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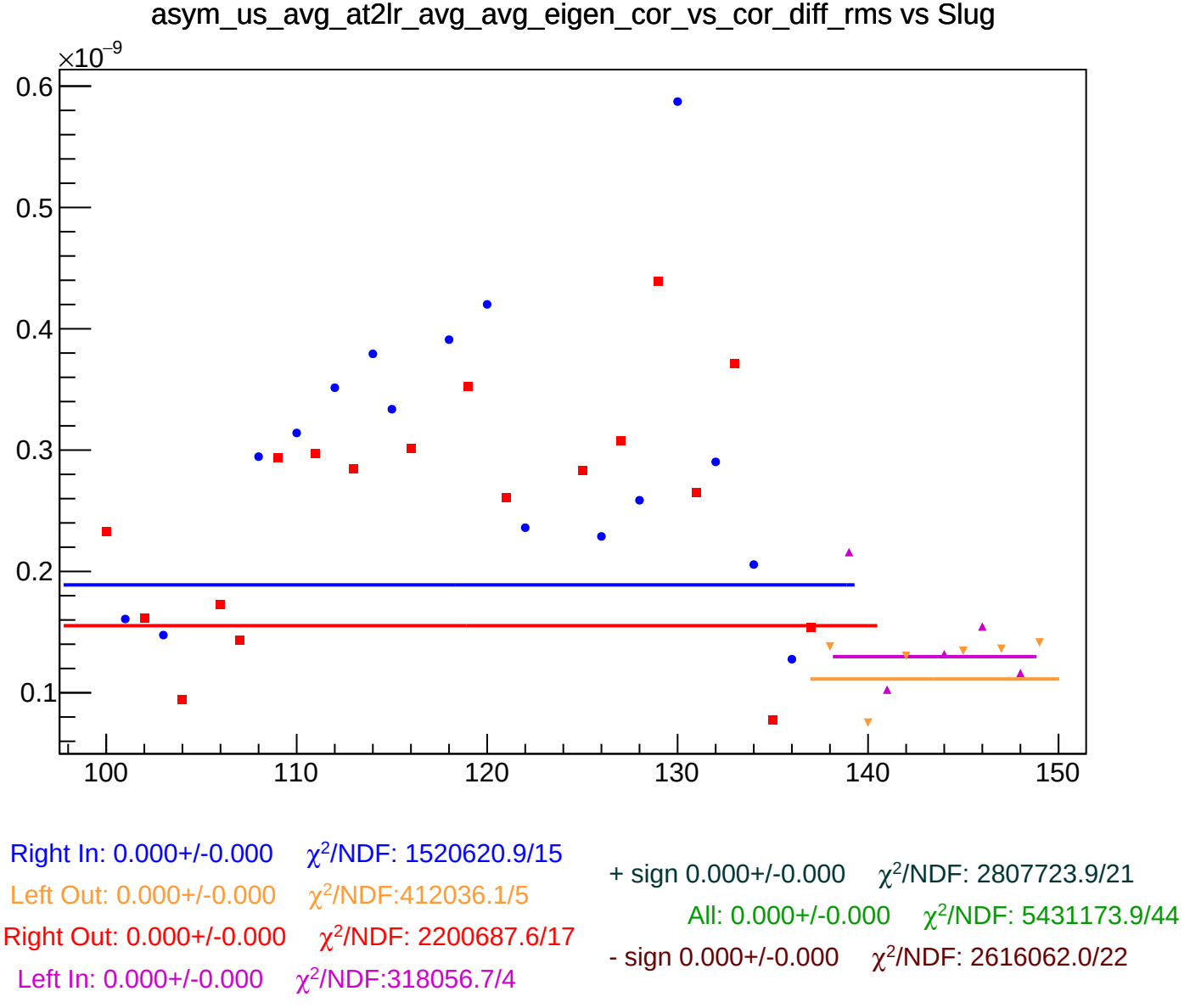
2
1
0
−1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:1.3/5
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: -0.000+/-0.000 χ²/NDF:1.9/4
+ sign -0.000+/-0.000 χ²/NDF: 14.6/21
All: -0.000+/-0.000 χ²/NDF: 30.0/44
- sign -0.000+/-0.000 χ²/NDF: 14.9/22


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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0.5
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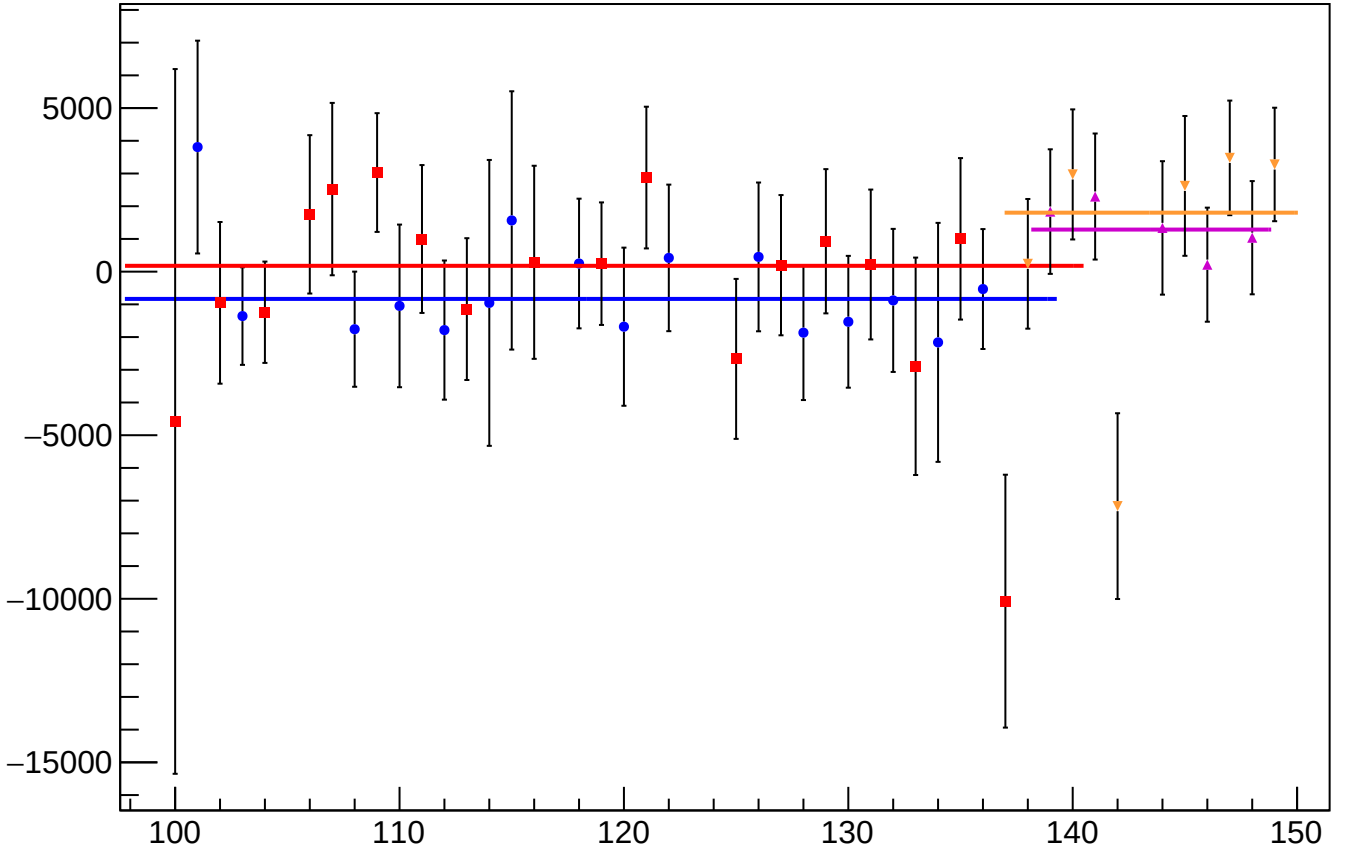
Right In: 0.000+/-0.000 χ²/NDF: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:412036.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:318056.7/4
+ sign 0.000+/-0.000 χ²/NDF: 2807723.9/21
All: 0.000+/-0.000 χ²/NDF: 5431173.9/44
- sign 0.000+/-0.000 χ²/NDF: 2616062.0/22

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1802.779+/-814.089 χ^2/NDF:12.7/5

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

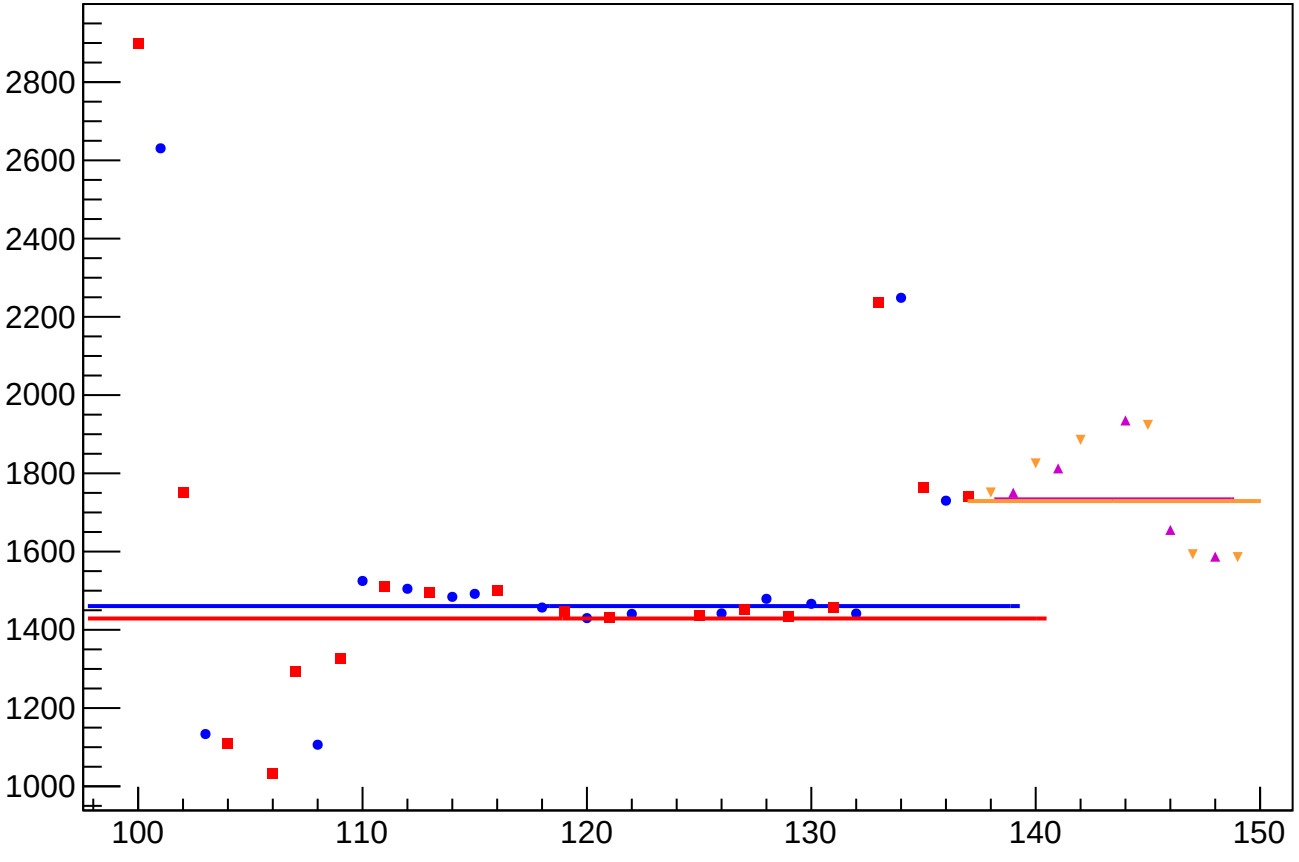
Left In: 1286.075+/-830.917 χ^2/NDF:0.8/4

\+ sign 2.664+/-458.478 χ^2/NDF: 24.5/21

All: 258.916+/-323.799 χ^2/NDF: 43.6/44

\- 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: 1729.094+/-0.576 χ^2/NDF:53309.5/5

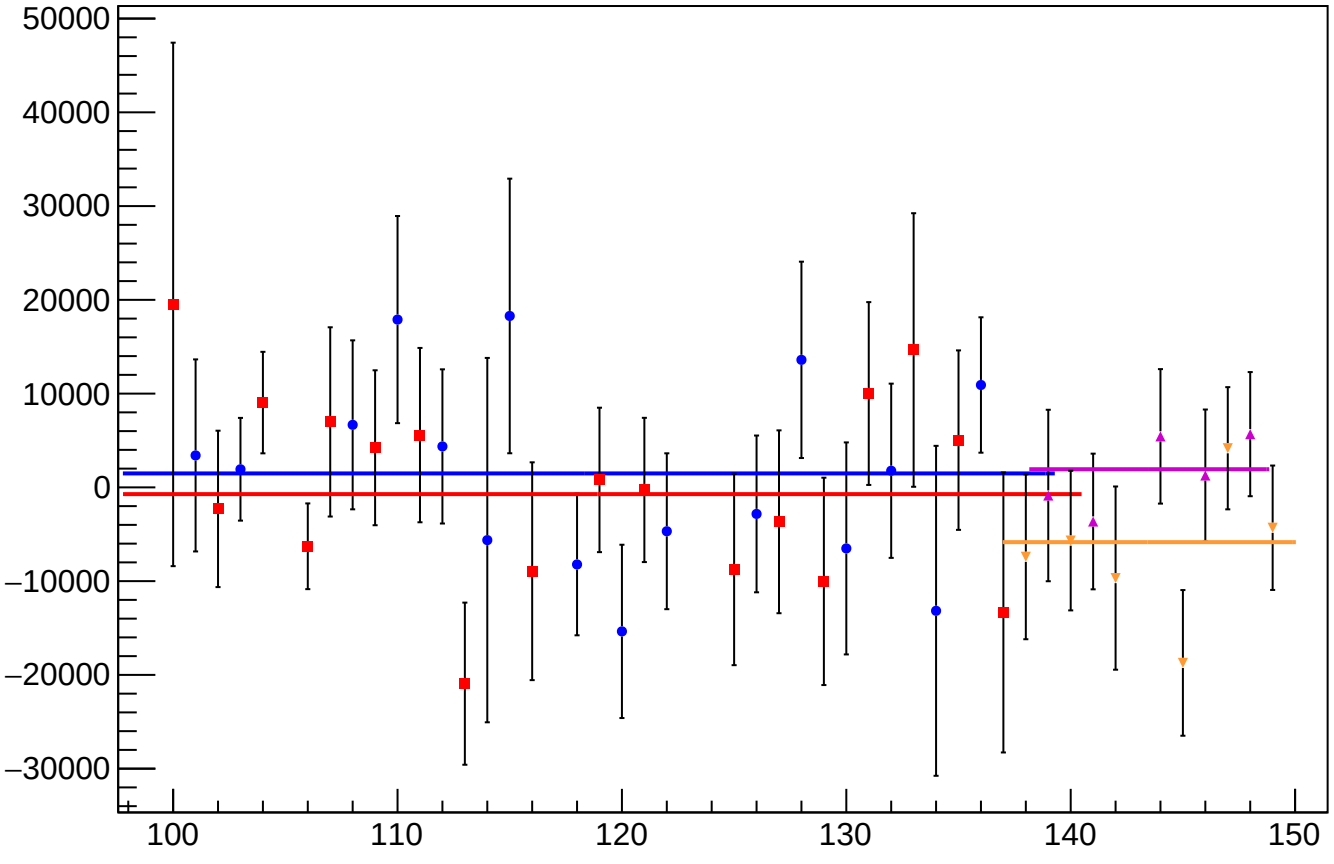
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1733.455+/-0.588 χ^2/NDF:41428.4/4

+ sign 1545.795+/-0.324 χ^2/NDF: 777535.0/21

All: 1532.926+/-0.228 χ^2/NDF: 1421436.2/44

- 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: -5842.006+/-3096.496 χ^2/NDF:5.3/5

Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

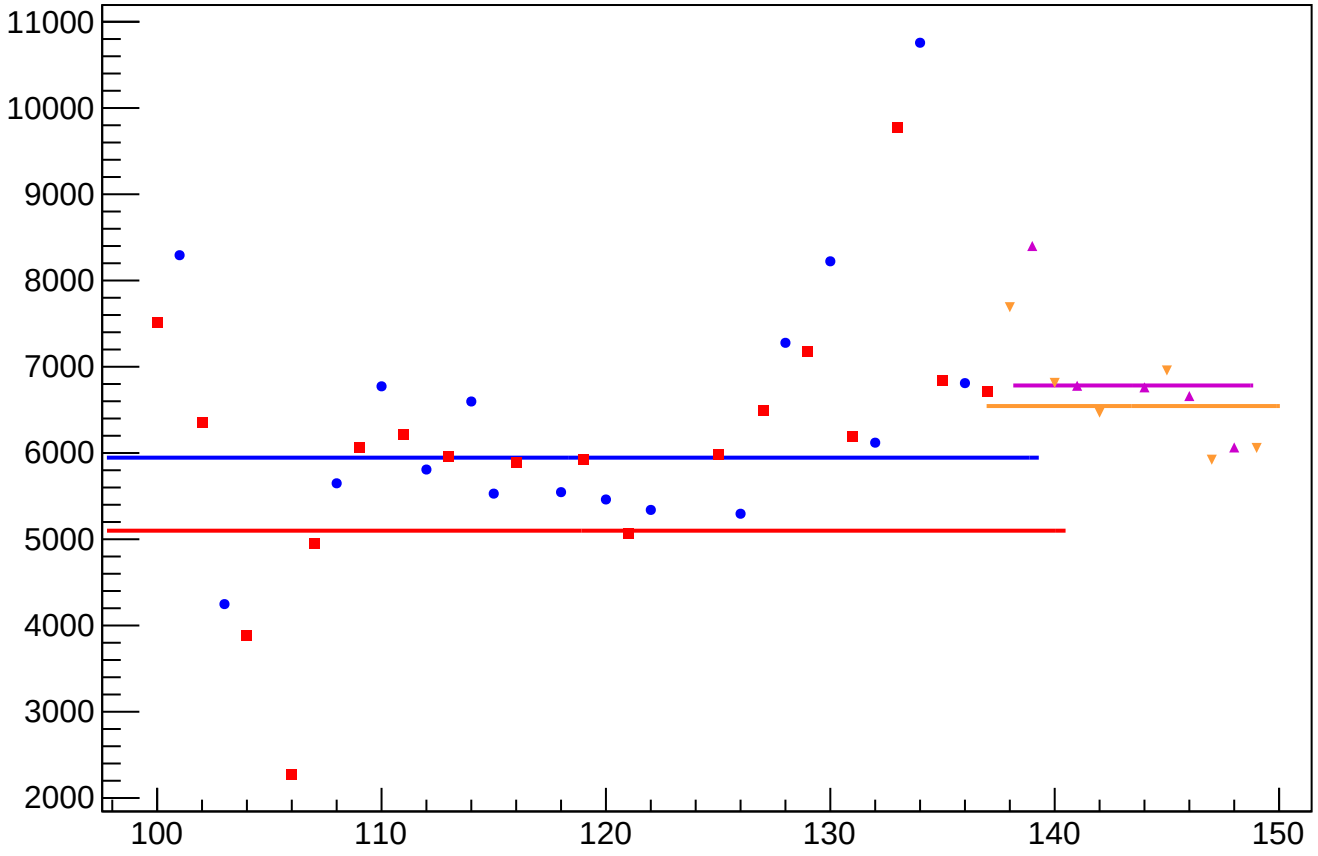
Left In: 1935.825+/-3269.862 χ^2/NDF:1.3/4

+ sign -1071.732+/-1829.720 χ^2/NDF: 23.2/21

All: -495.883+/-1250.625 χ^2/NDF: 42.6/44

- sign 9.027+/-1713.316 χ^2/NDF: 19.3/22

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 6544.488+/-2.190 χ^2/NDF:71293.9/5

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

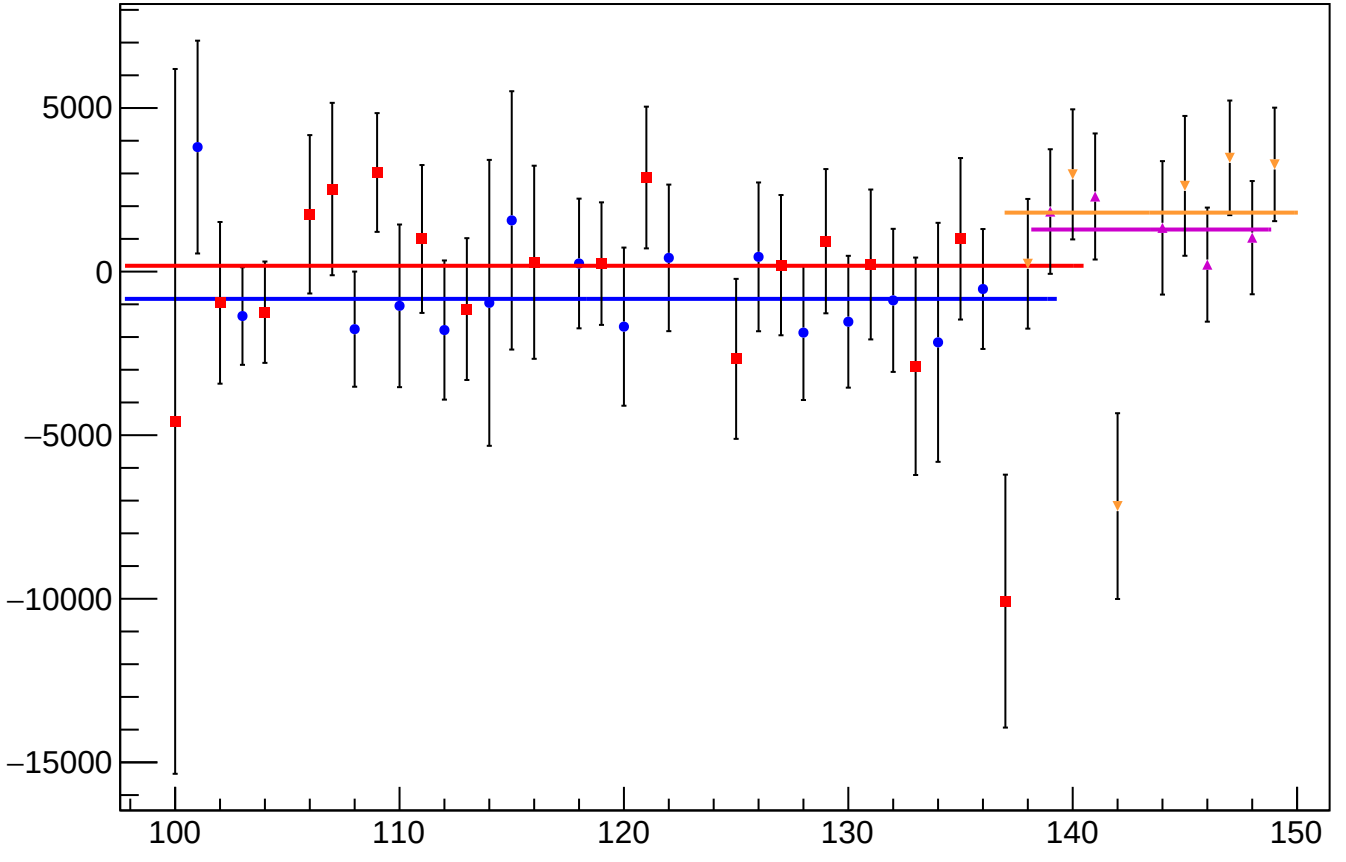
Left In: 6782.990+/-2.312 χ^2/NDF:86722.1/4

+ sign 6155.022+/-1.294 χ^2/NDF: 761038.9/21

All: 5838.838+/-0.884 χ^2/NDF: 2824866.8/44

- 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: 1802.711+/-814.089 χ^2/NDF:12.7/5

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

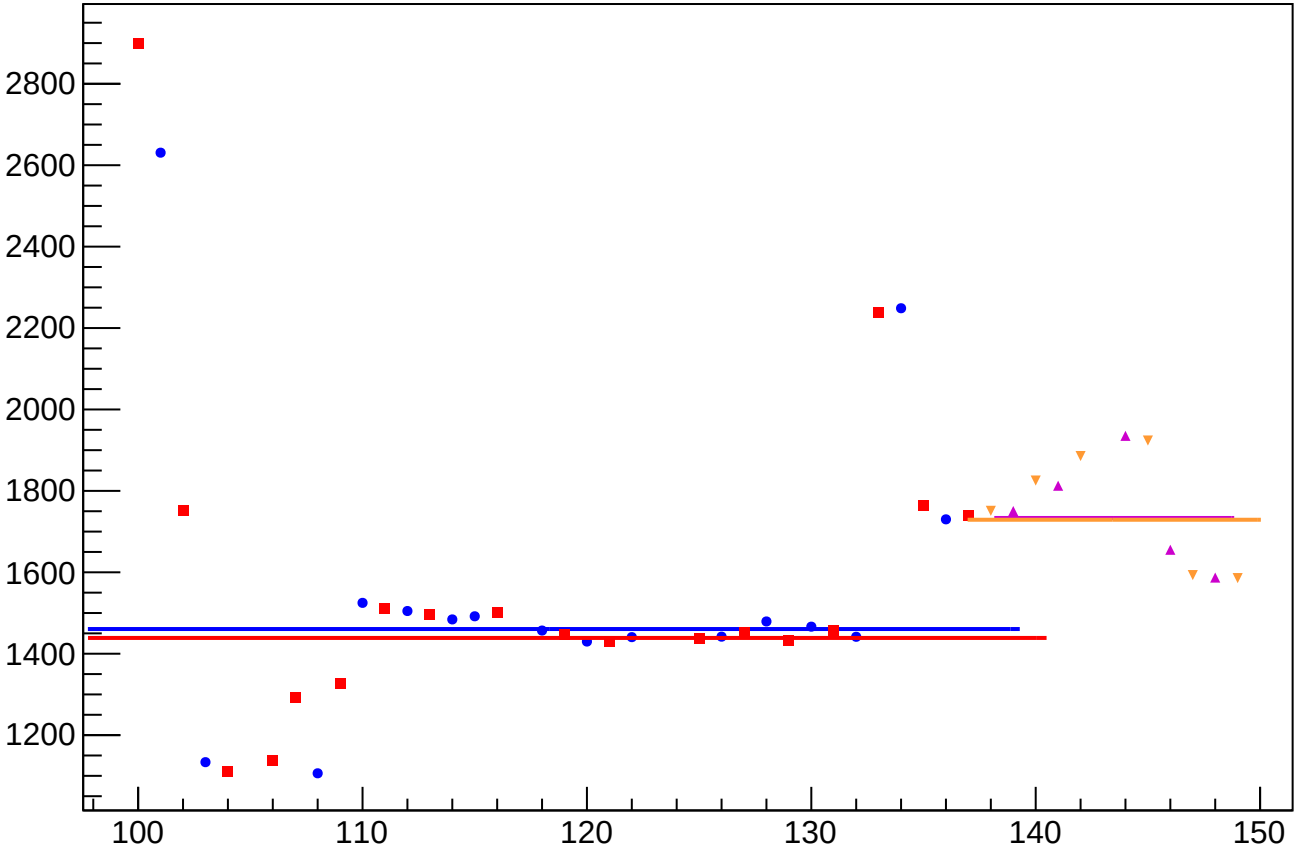
Left In: 1286.238+/-830.917 χ^2/NDF:0.8/4

\+ sign 2.600+/-458.478 χ^2/NDF: 24.5/21

All: 258.853+/-323.799 χ^2/NDF: 43.6/44

\- 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: 1729.094+/-0.576 χ^2/NDF:53309.5/5

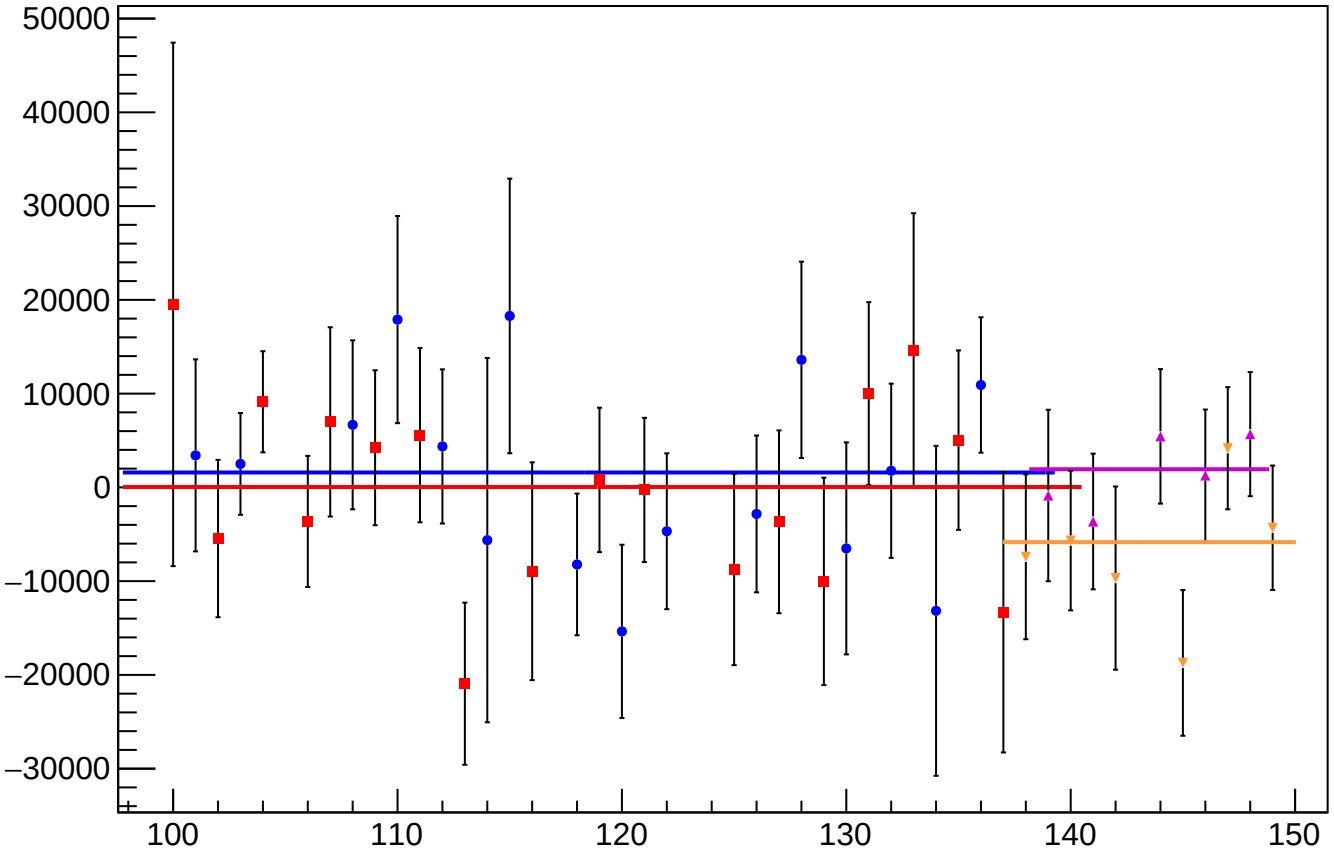
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1733.455+/-0.588 χ^2/NDF:41428.4/4

+ sign 1545.795+/-0.324 χ^2/NDF: 777535.4/21

All: 1536.743+/-0.229 χ^2/NDF: 1369481.2/44

- 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: -5842.038+/-3096.492 χ^2/NDF:5.4/5

Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

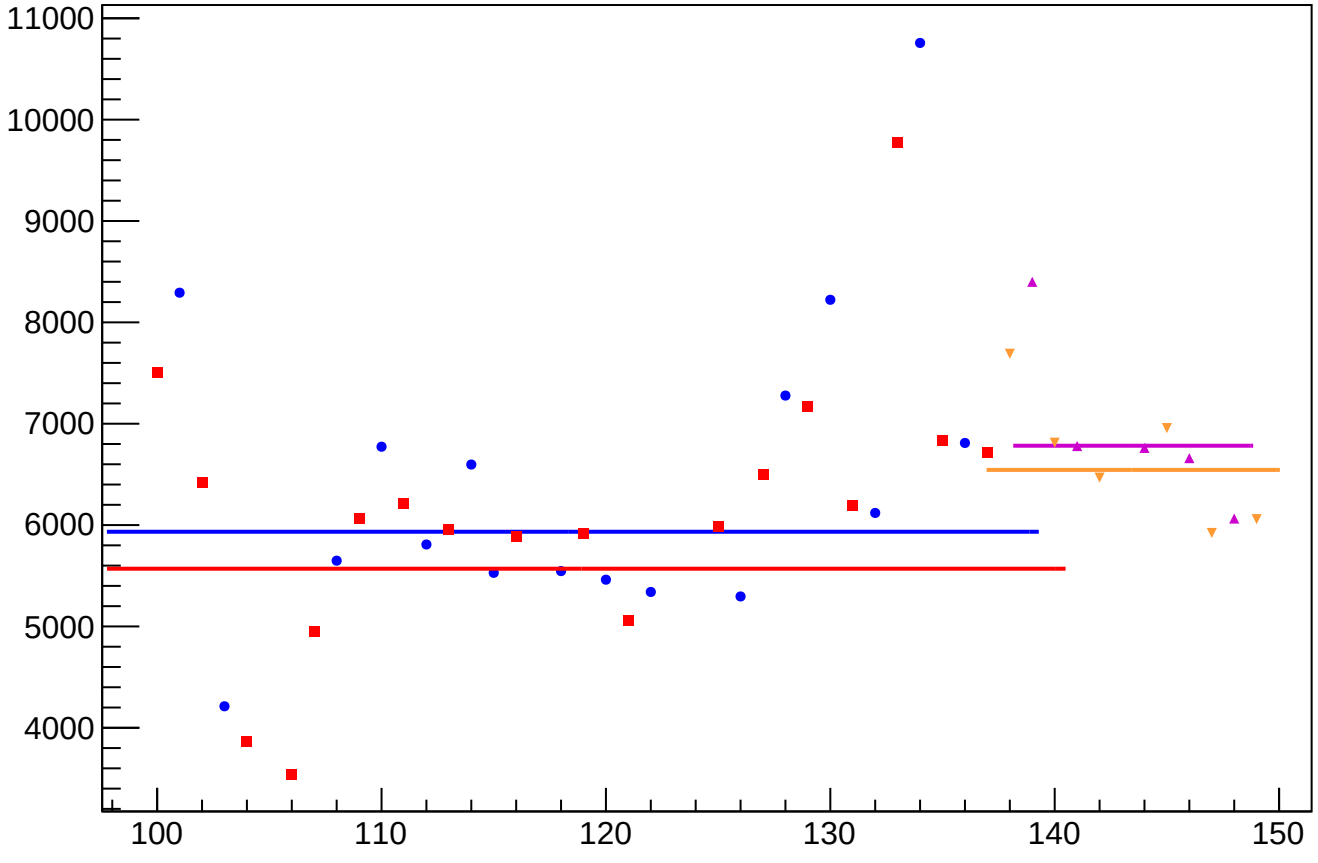
Left In: 1935.832+/-3269.860 χ^2/NDF:1.3/4

+ sign -1000.259+/-1827.739 χ^2/NDF: 23.3/21

All: -178.623+/-1277.586 χ^2/NDF: 41.6/44

- 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: 6544.481+/-2.190 χ^2/NDF:71293.2/5

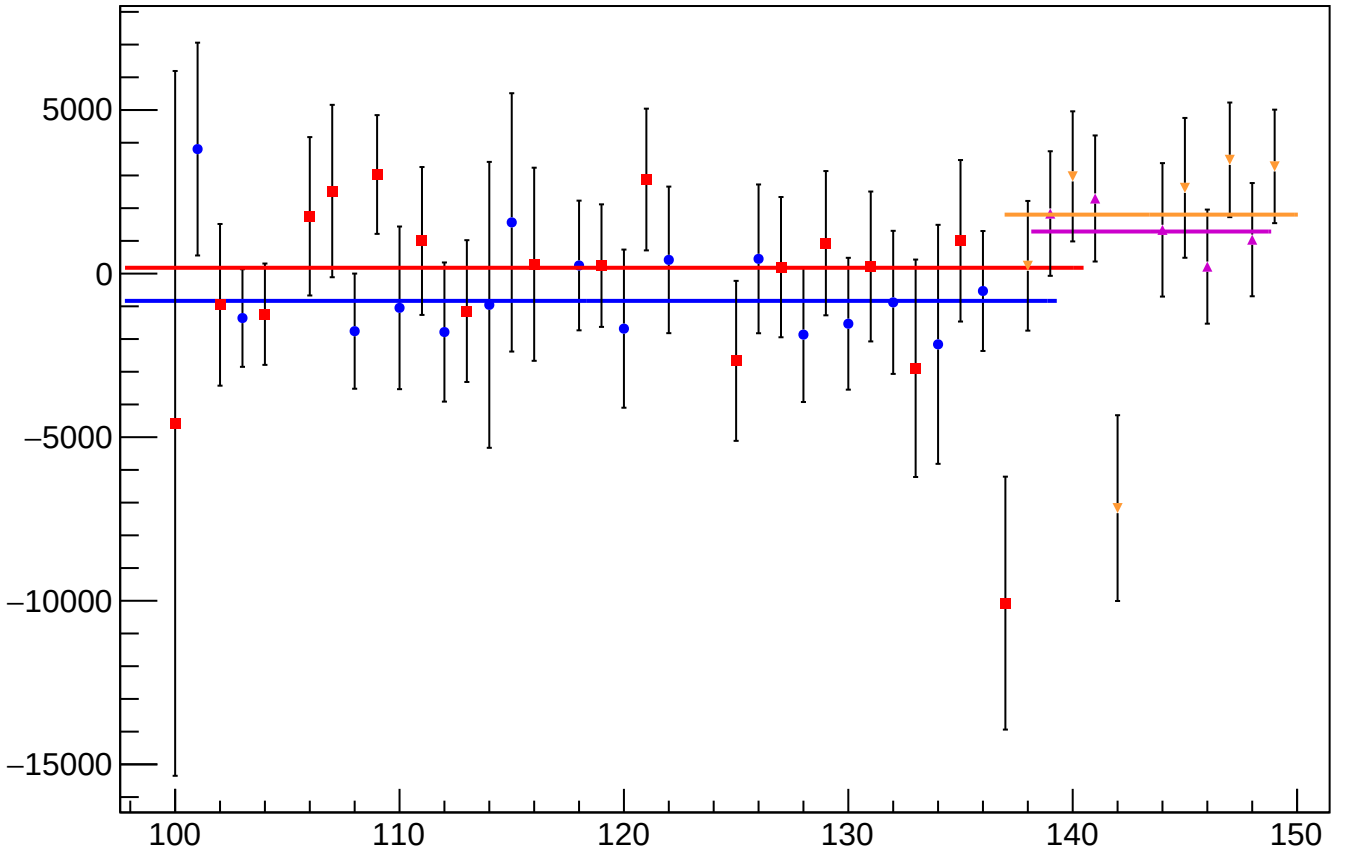
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6782.984+/-2.312 χ^2/NDF:86722.1/4

+ sign 6146.833+/-1.292 χ^2/NDF: 774994.9/21

All: 6036.871+/-0.903 χ^2/NDF: 1793111.3/44

- 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: 1802.711+/-814.089 χ^2/NDF:12.7/5

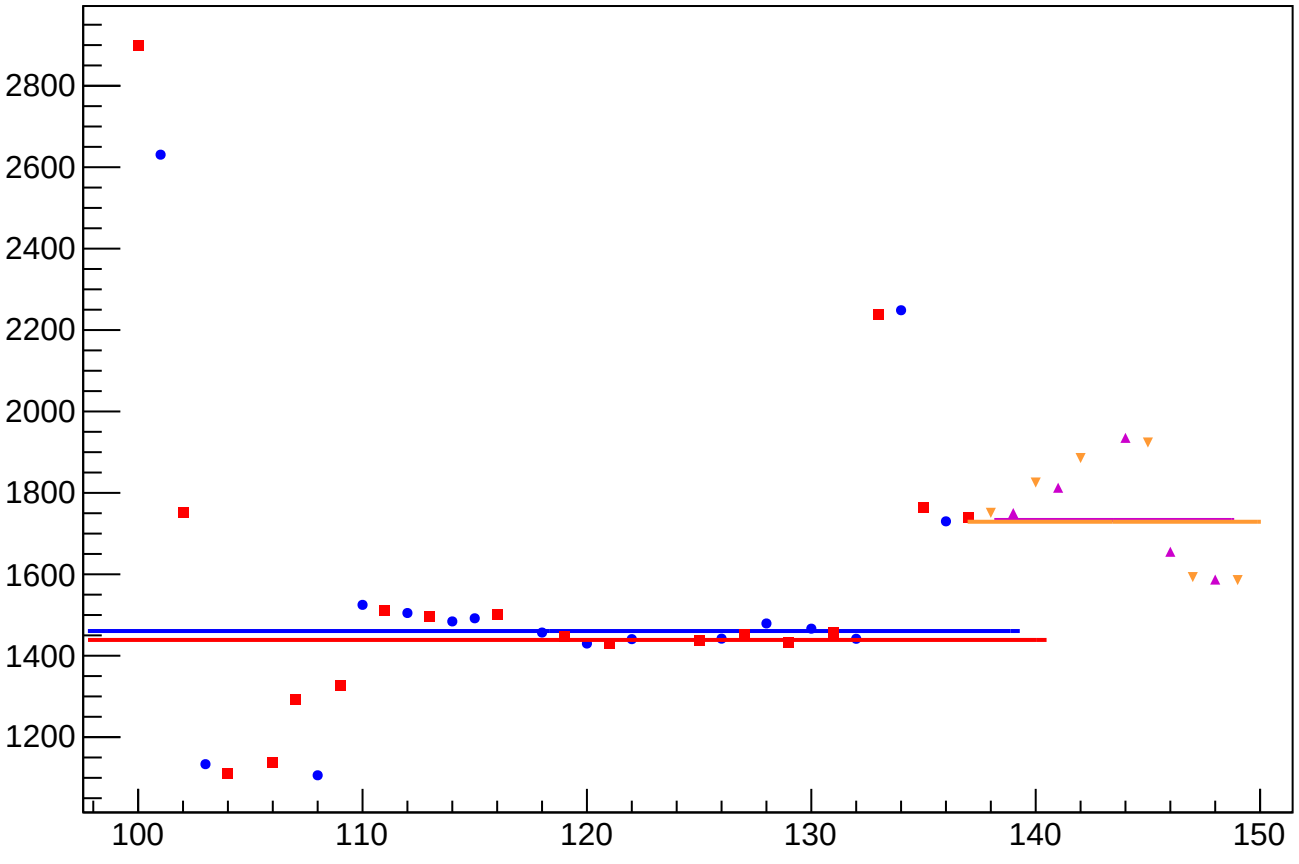
Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: 1286.238+/-830.917 χ^2/NDF:0.8/4

+ sign 2.600+/-458.478 χ^2/NDF: 24.5/21

All: 258.853+/-323.799 χ^2/NDF: 43.6/44

- 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: 1729.094+/-0.576 χ^2/NDF:53309.5/5

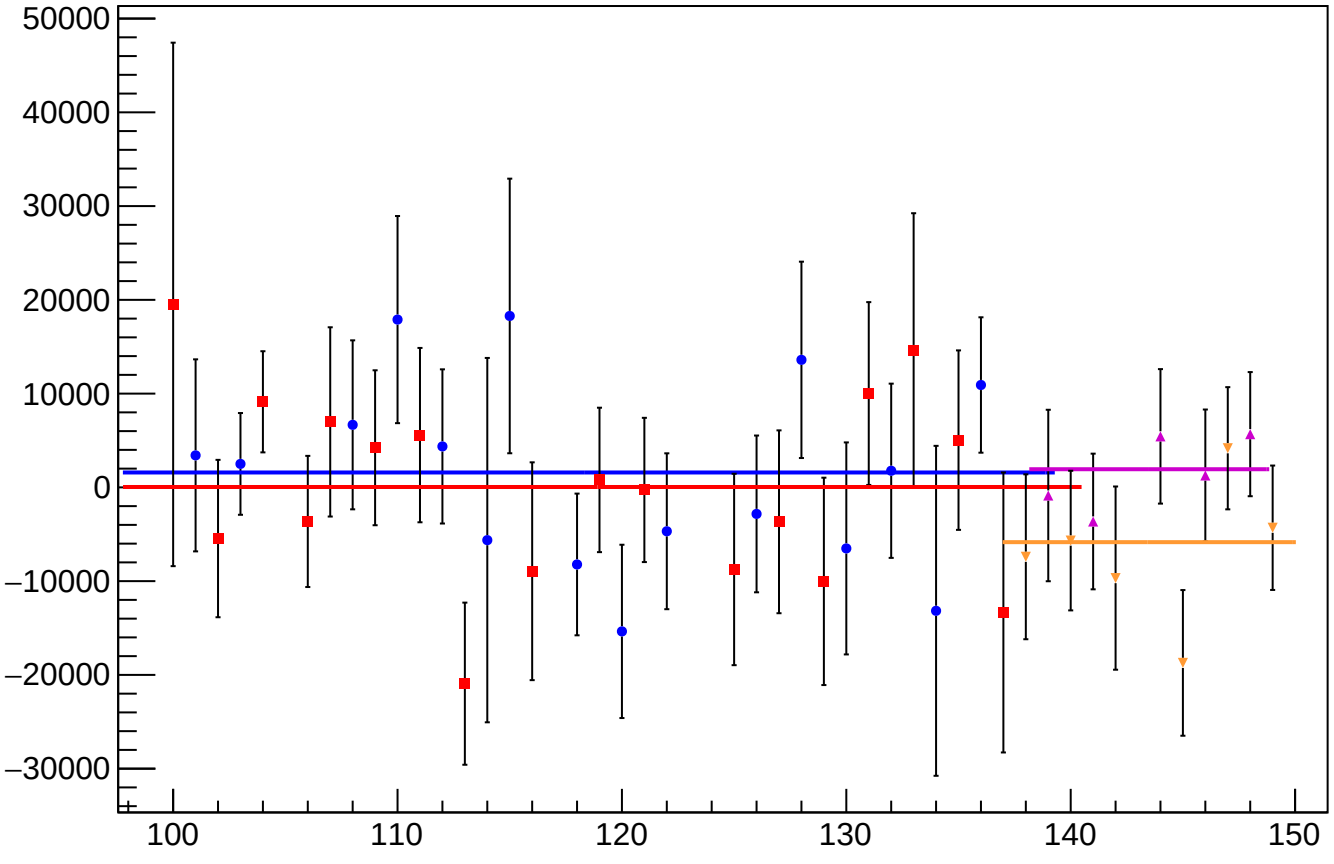
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1733.455+/-0.588 χ^2/NDF:41428.4/4

+ sign 1545.795+/-0.324 χ^2/NDF: 777535.4/21

All: 1536.743+/-0.229 χ^2/NDF: 1369481.2/44

- 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: -5842.038+/-3096.492 χ^2/NDF:5.4/5

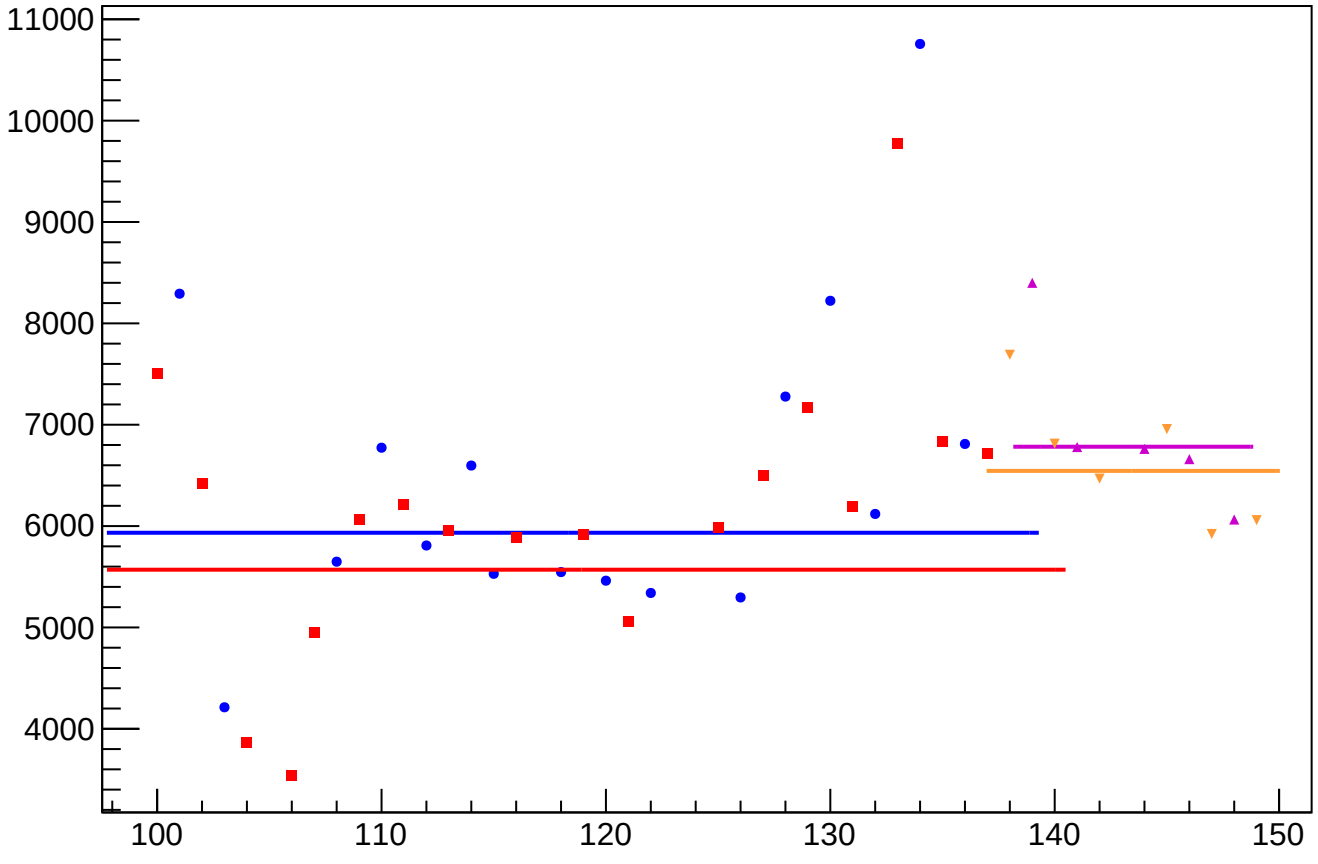
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1935.832+/-3269.860 χ^2/NDF:1.3/4

+ sign -1000.259+/-1827.739 χ^2/NDF: 23.3/21

All: -178.623+/-1277.586 χ^2/NDF: 41.6/44

- 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: 6544.481+/-2.190 χ^2/NDF:71293.2/5

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

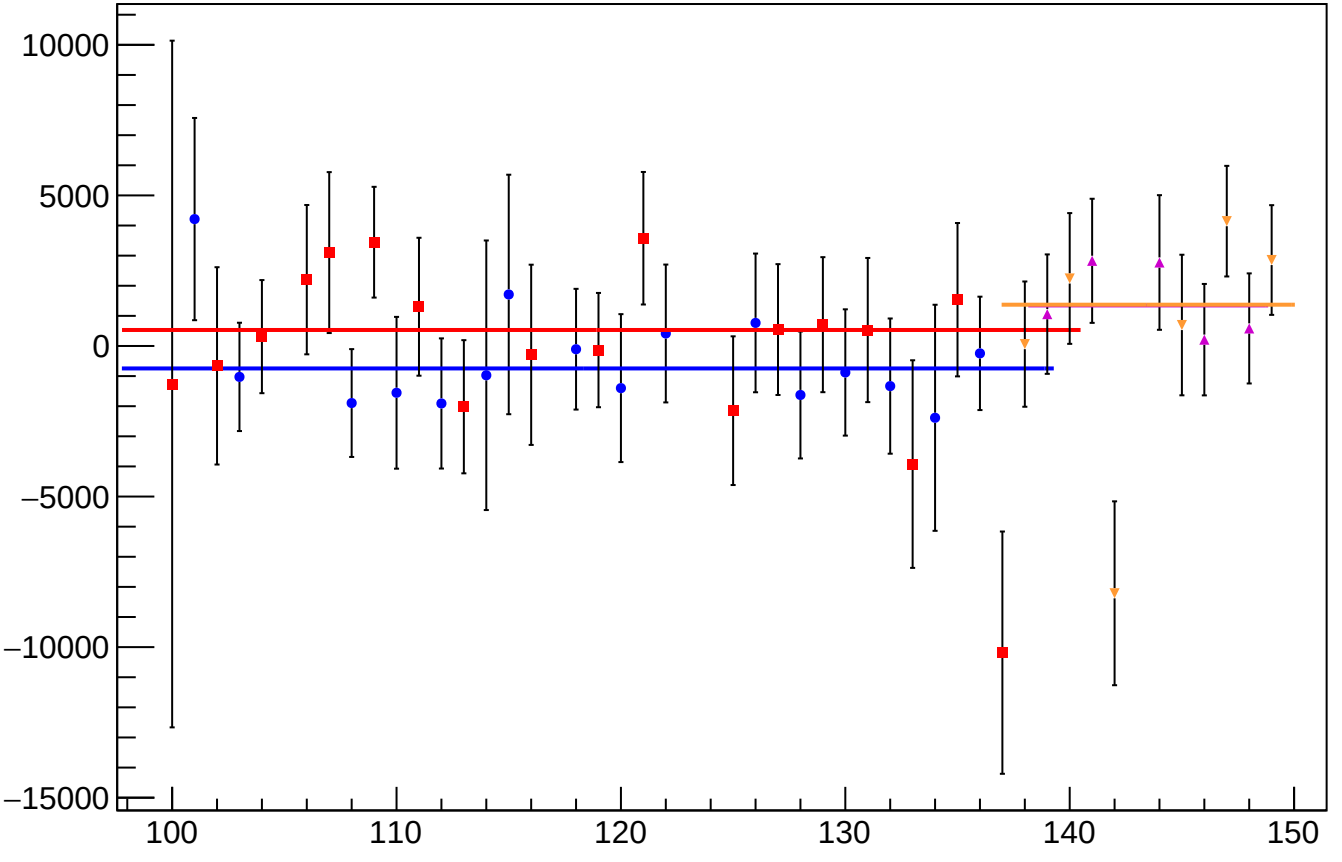
Left In: 6782.984+/-2.312 χ^2/NDF:86722.1/4

+ sign 6146.833+/-1.292 χ^2/NDF: 774994.9/21

All: 6036.871+/-0.903 χ^2/NDF: 1793111.3/44

- sign 5931.813+/-1.263 χ^2/NDF: 1003961.1/22

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1370.821+/-866.461 χ^2/NDF:13.4/5

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

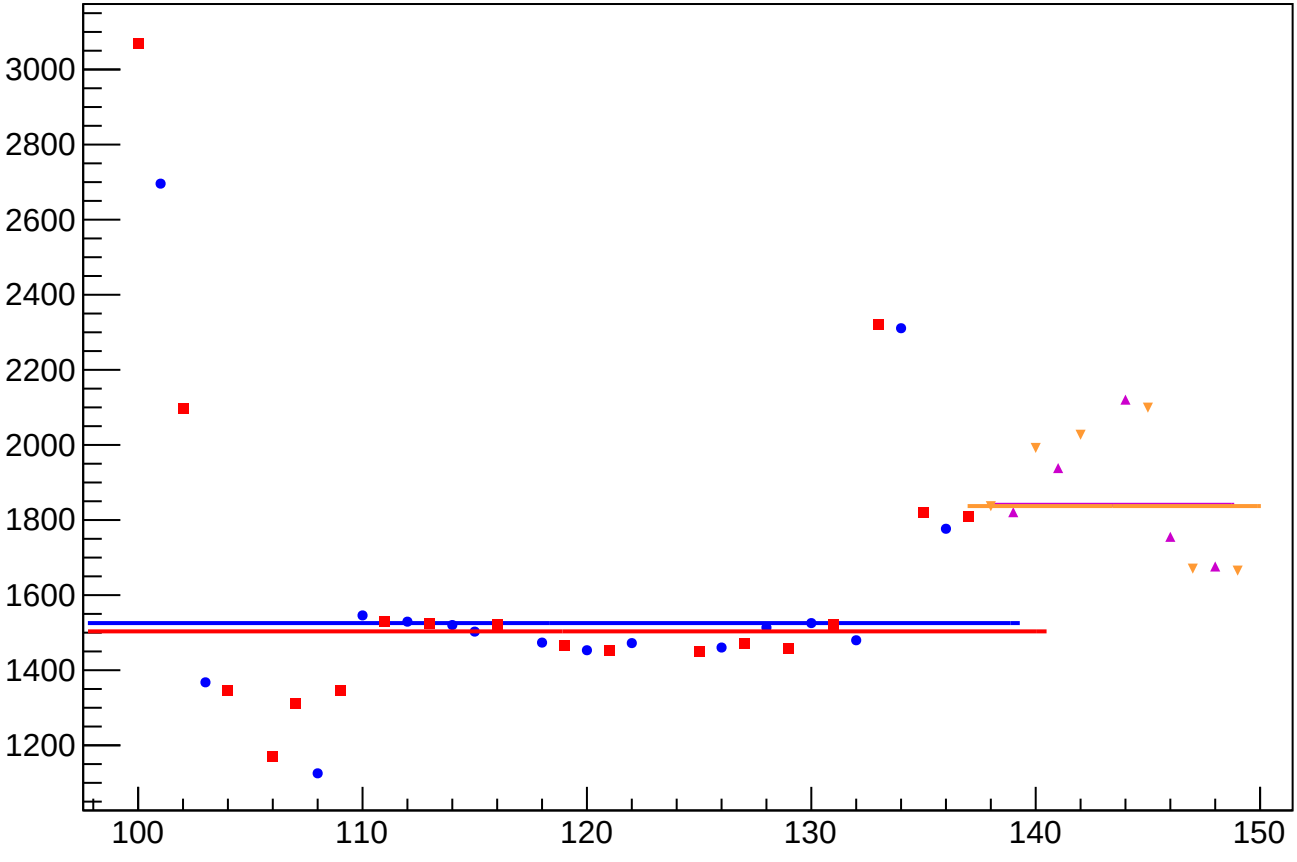
Left In: 1346.803+/-883.415 χ^2/NDF:1.5/4

\+ sign -93.939+/-480.874 χ^2/NDF: 22.3/21

All: 339.055+/-340.419 χ^2/NDF: 43.8/44

\- 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: 1837.185+/-0.613 χ^2/NDF:77425.2/5

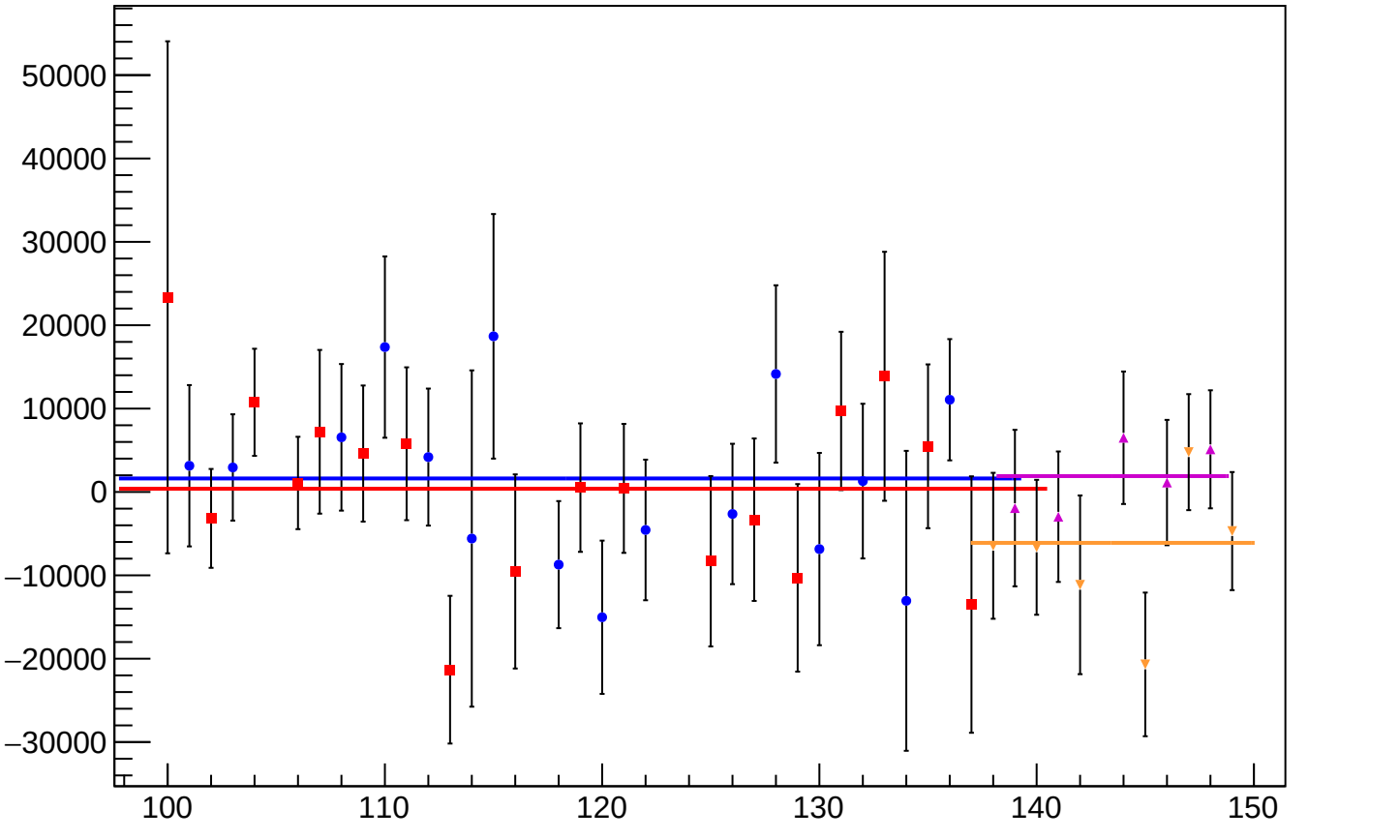
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1840.597+/-0.625 χ^2/NDF:56510.3/4

+ sign 1621.527+/-0.340 χ^2/NDF: 744799.6/21

All: 1612.659+/-0.241 χ^2/NDF: 1345824.5/44

- 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: -6104.845+/-3313.275 χ^2/NDF:5.6/5

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

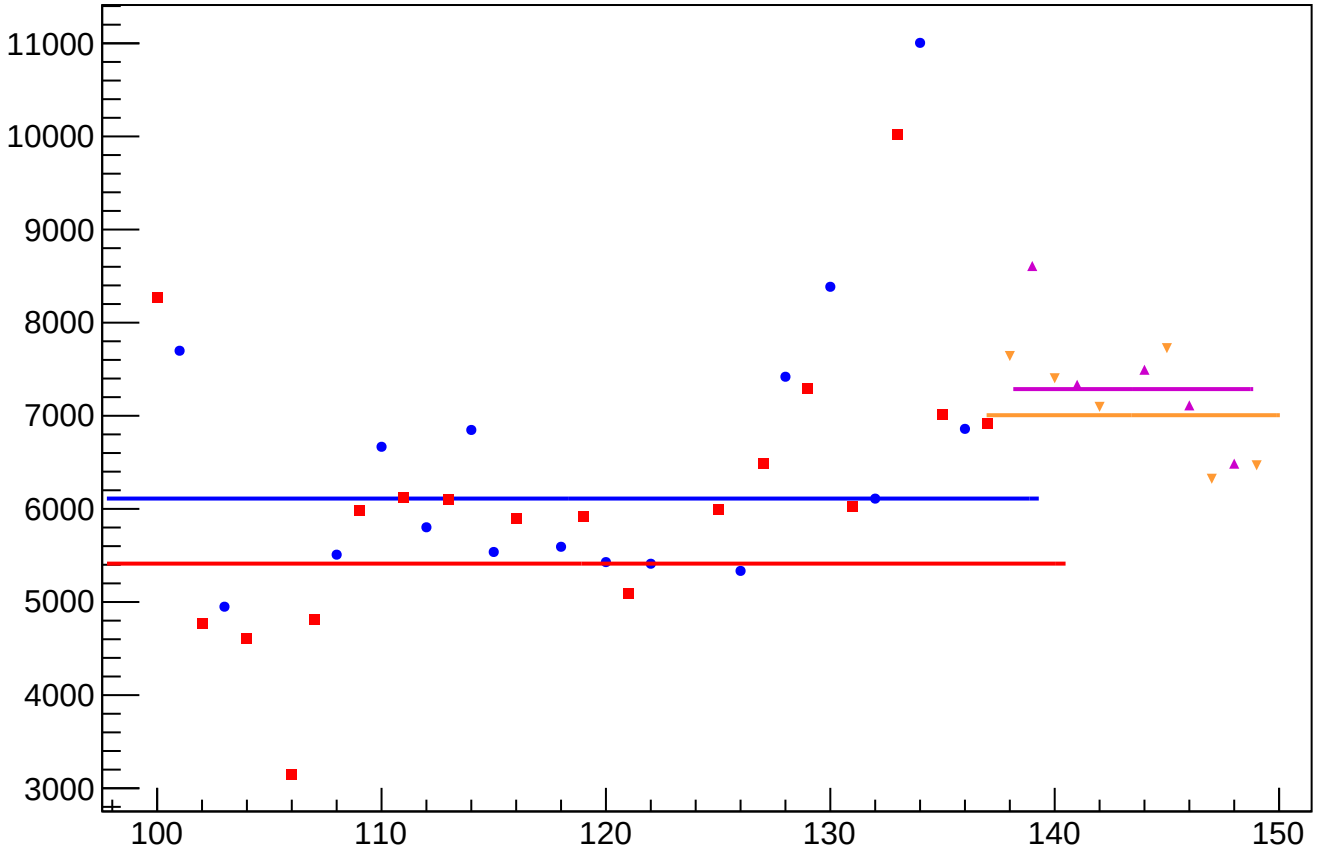
Left In: 1904.157+/-3510.055 χ^2/NDF:1.1/4

+ sign -921.433+/-1900.445 χ^2/NDF: 23.5/21

All: -16.348+/-1298.050 χ^2/NDF: 41.2/44

- 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: 7006.172+/-2.343 χ^2/NDF:60248.1/5

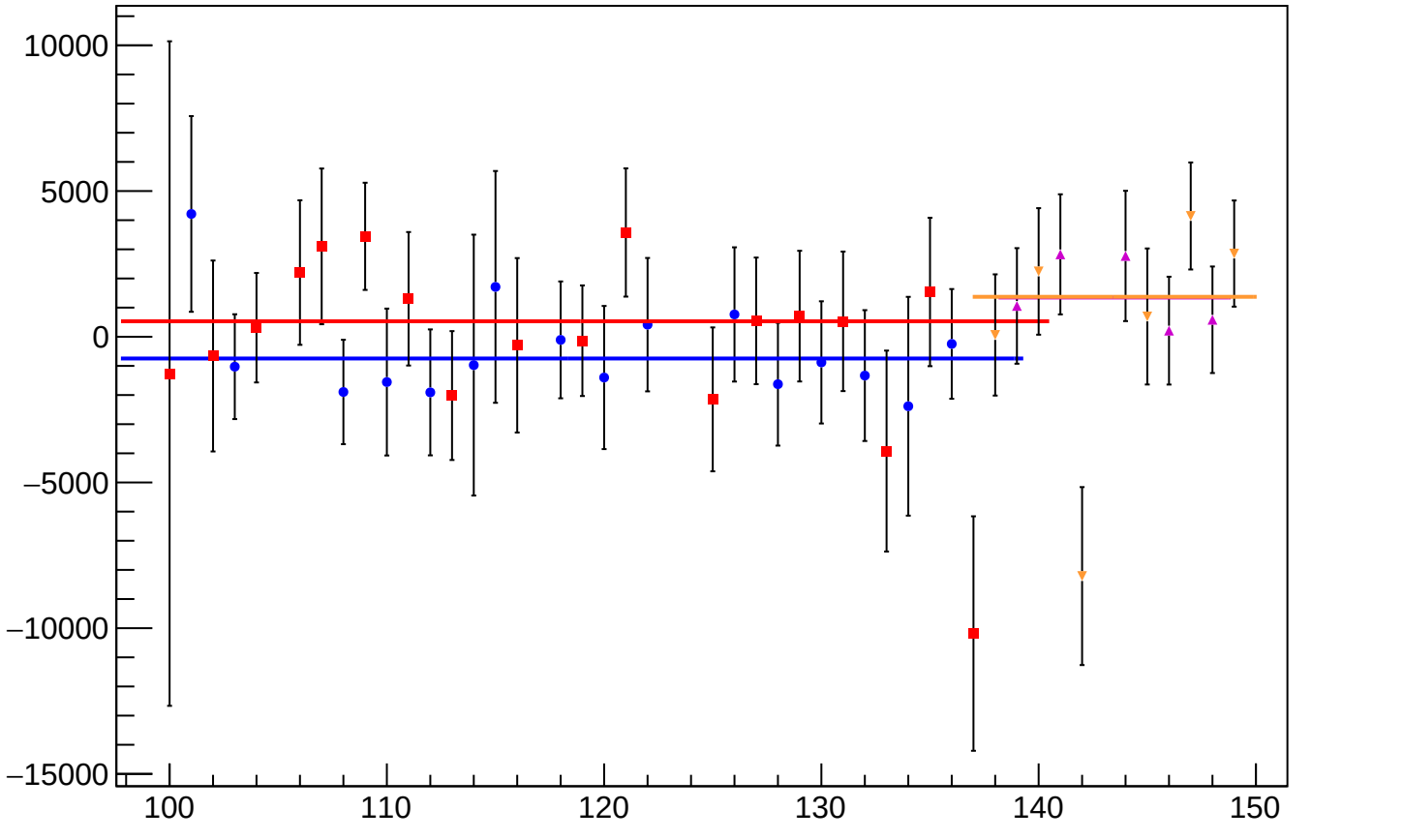
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7286.528+/-2.482 χ^2/NDF:67769.9/4

+ sign 6405.536+/-1.344 χ^2/NDF: 629861.9/21

All: 6131.974+/-0.918 χ^2/NDF: 2020900.3/44

- 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: 1370.808+/-866.462 χ^2/NDF:13.4/5

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

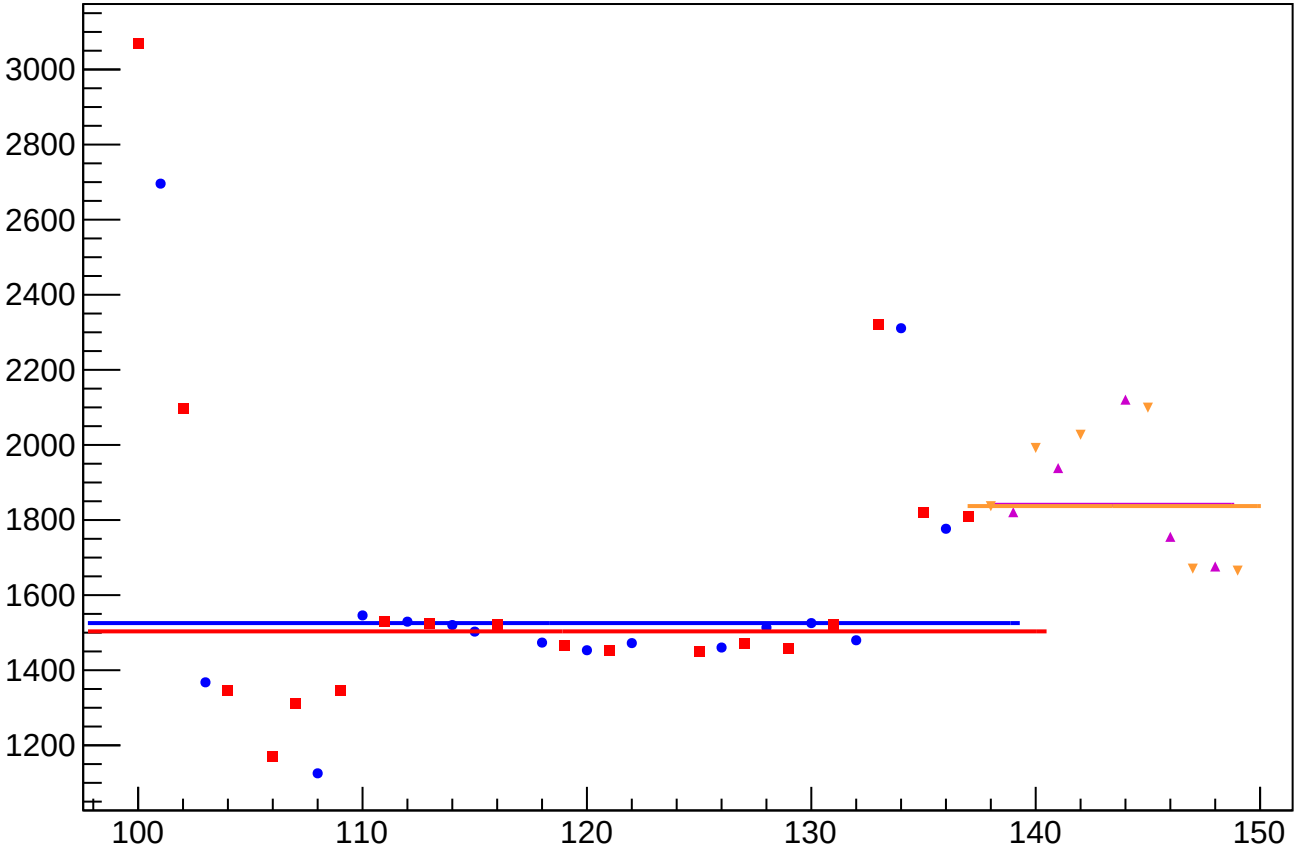
Left In: 1346.798+/-883.417 χ^2/NDF:1.5/4

+ sign -93.948+/-480.874 χ^2/NDF: 22.3/21

All: 339.053+/-340.419 χ^2/NDF: 43.8/44

- 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: 1837.187+/-0.613 χ^2/NDF:77426.1/5

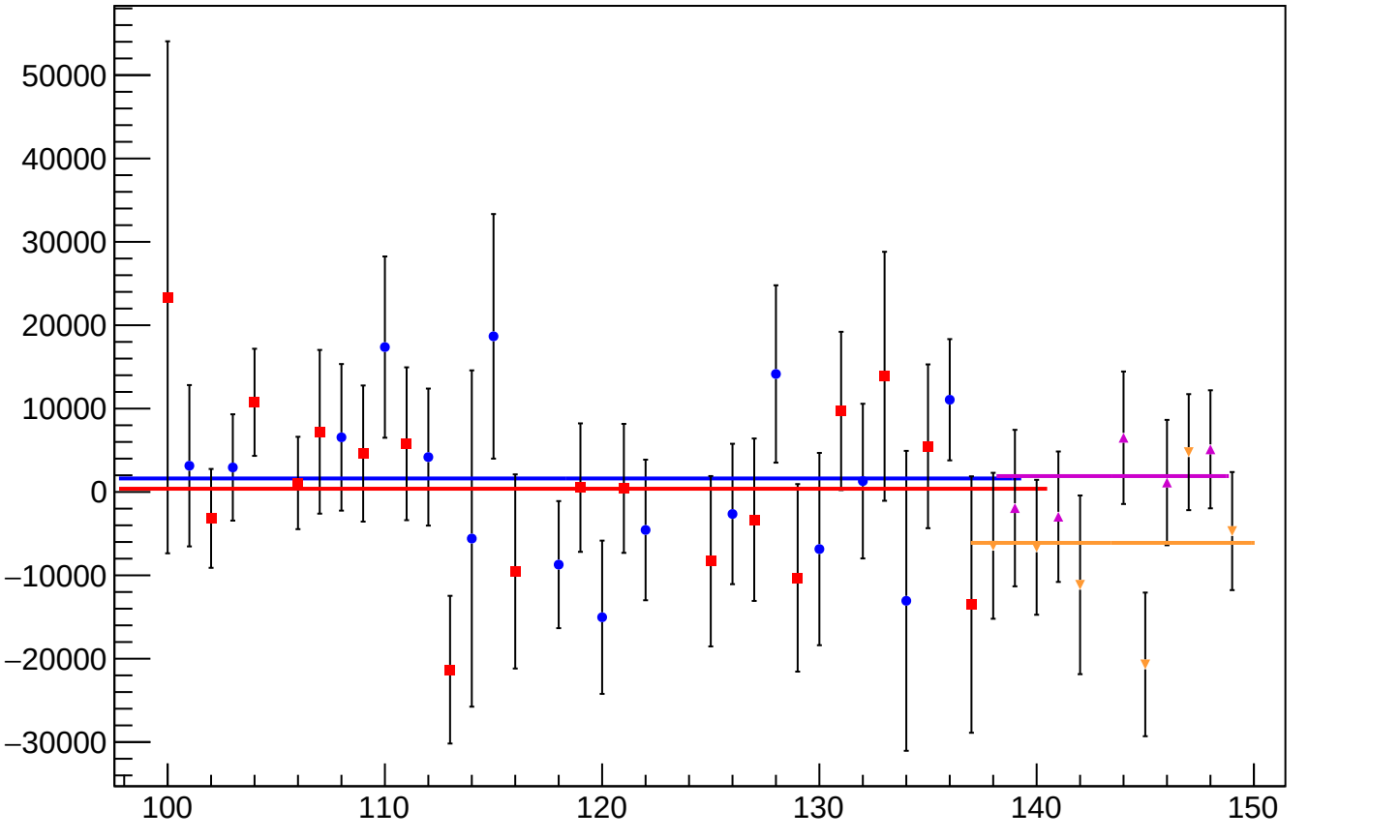
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1840.599+/-0.625 χ^2/NDF:56510.3/4

+ sign 1621.527+/-0.340 χ^2/NDF: 744802.0/21

All: 1612.660+/-0.241 χ^2/NDF: 1345829.6/44

- 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: -6104.855+/-3313.280 χ^2/NDF:5.6/5

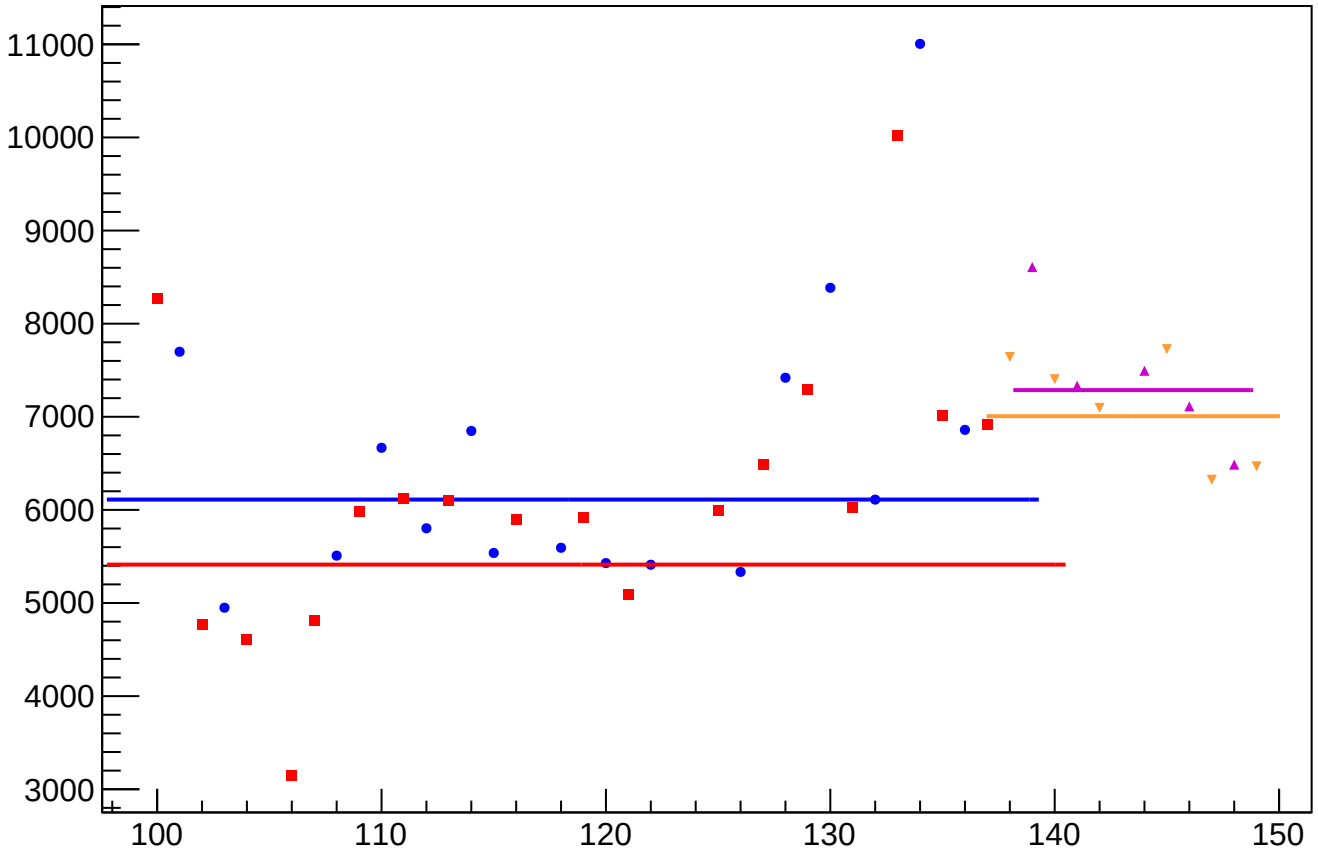
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 1904.151+/-3510.059 χ^2/NDF:1.1/4

+ sign -921.438+/-1900.443 χ^2/NDF: 23.5/21

All: -16.350+/-1298.049 χ^2/NDF: 41.2/44

- 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: 7006.181+/-2.343 χ^2/NDF:60249.0/5

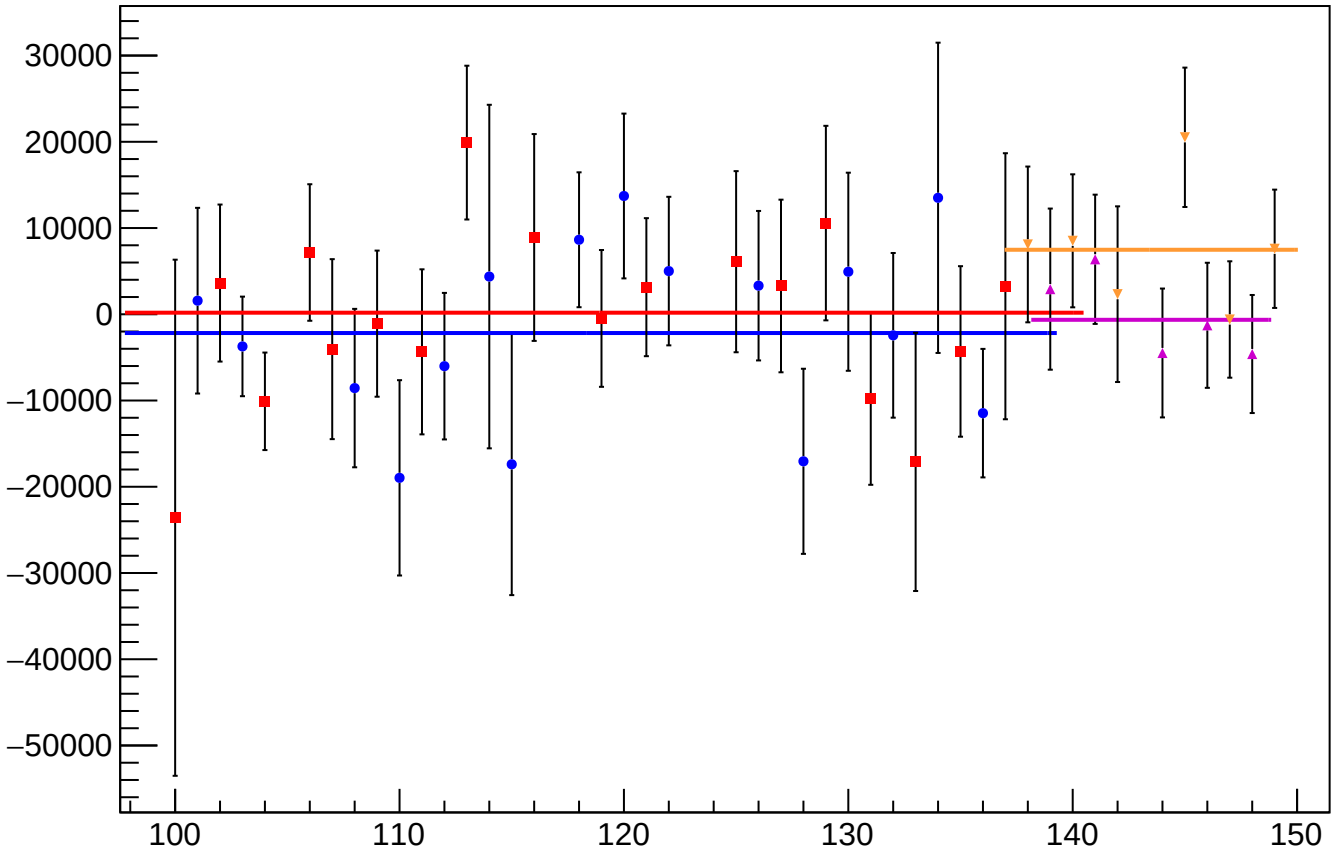
Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7286.537+/-2.482 χ^2/NDF:67770.8/4

+ sign 6405.529+/-1.344 χ^2/NDF: 629869.8/21

All: 6131.966+/-0.918 χ^2/NDF: 2020918.8/44

- 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: 7480.245+/-3206.862 χ^2/NDF:4.3/5

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

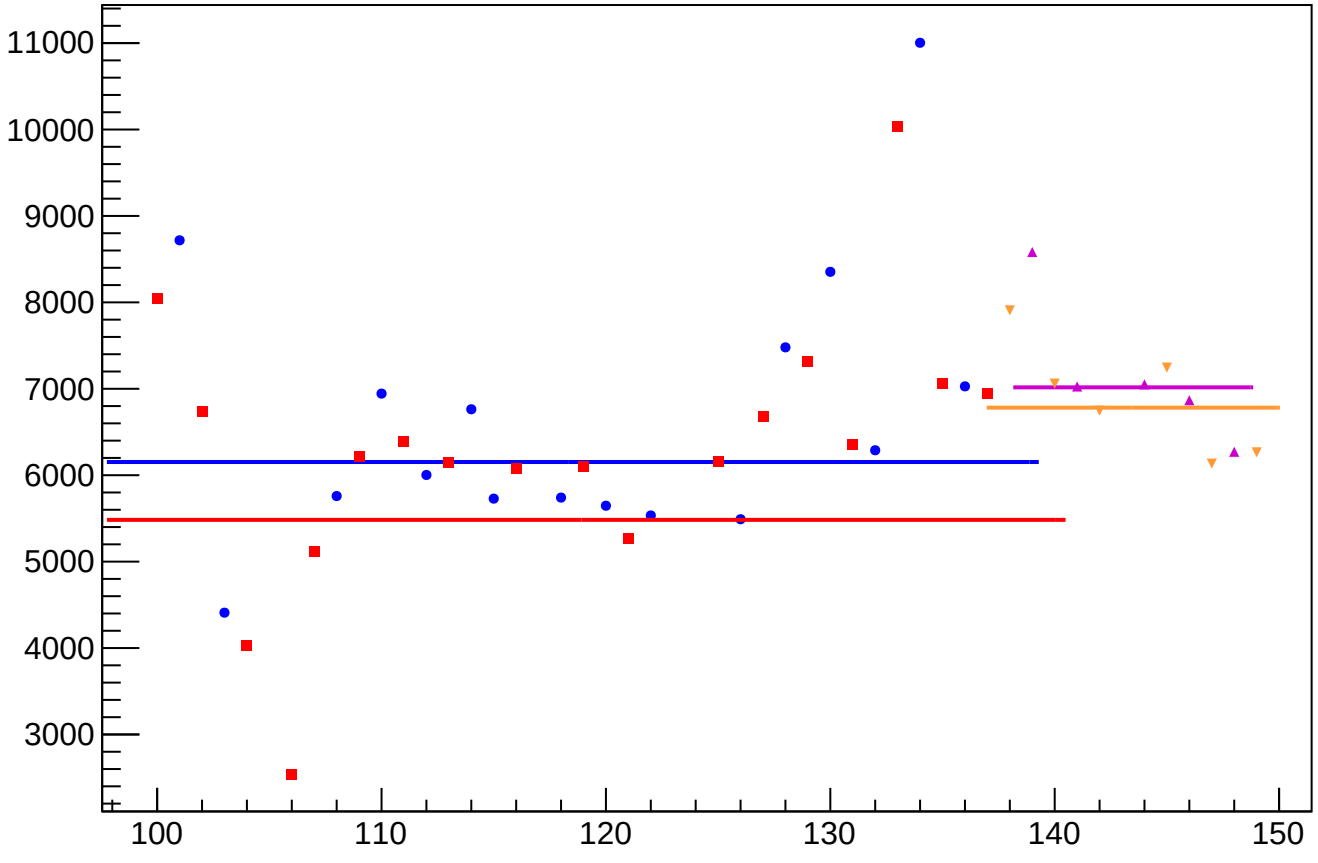
Left In: -641.083+/-3379.893 χ^2/NDF:1.6/4

+ sign 1194.628+/-1894.304 χ^2/NDF: 24.8/21

All: 552.849+/-1327.440 χ^2/NDF: 41.4/44

- 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: 6781.916+/-2.268 χ^2/NDF:70040.3/5

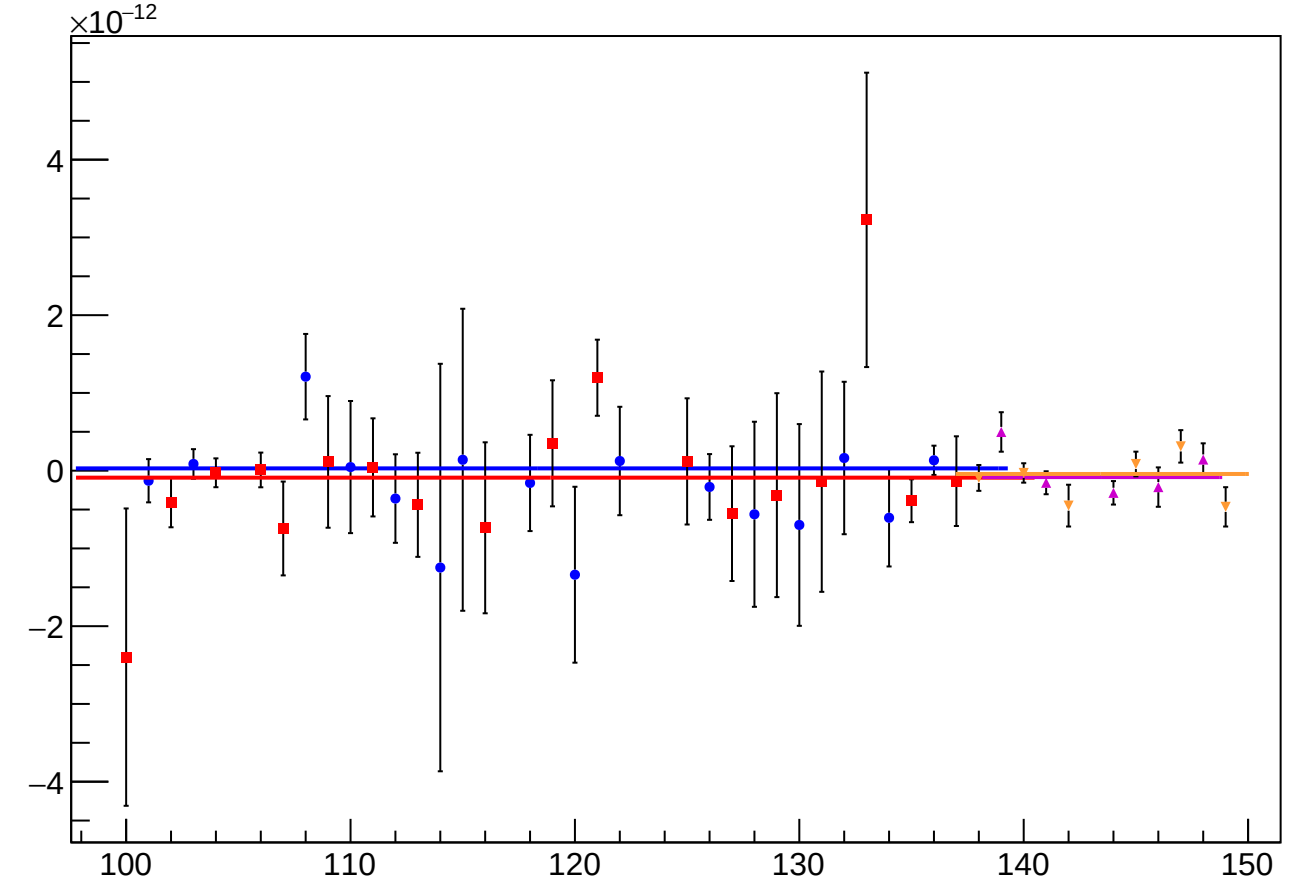
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7016.561+/-2.390 χ^2/NDF:80813.3/4

+ sign 6372.244+/-1.339 χ^2/NDF: 744198.7/21

All: 6138.700+/-0.926 χ^2/NDF: 2325075.6/44

- 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:8.7/5

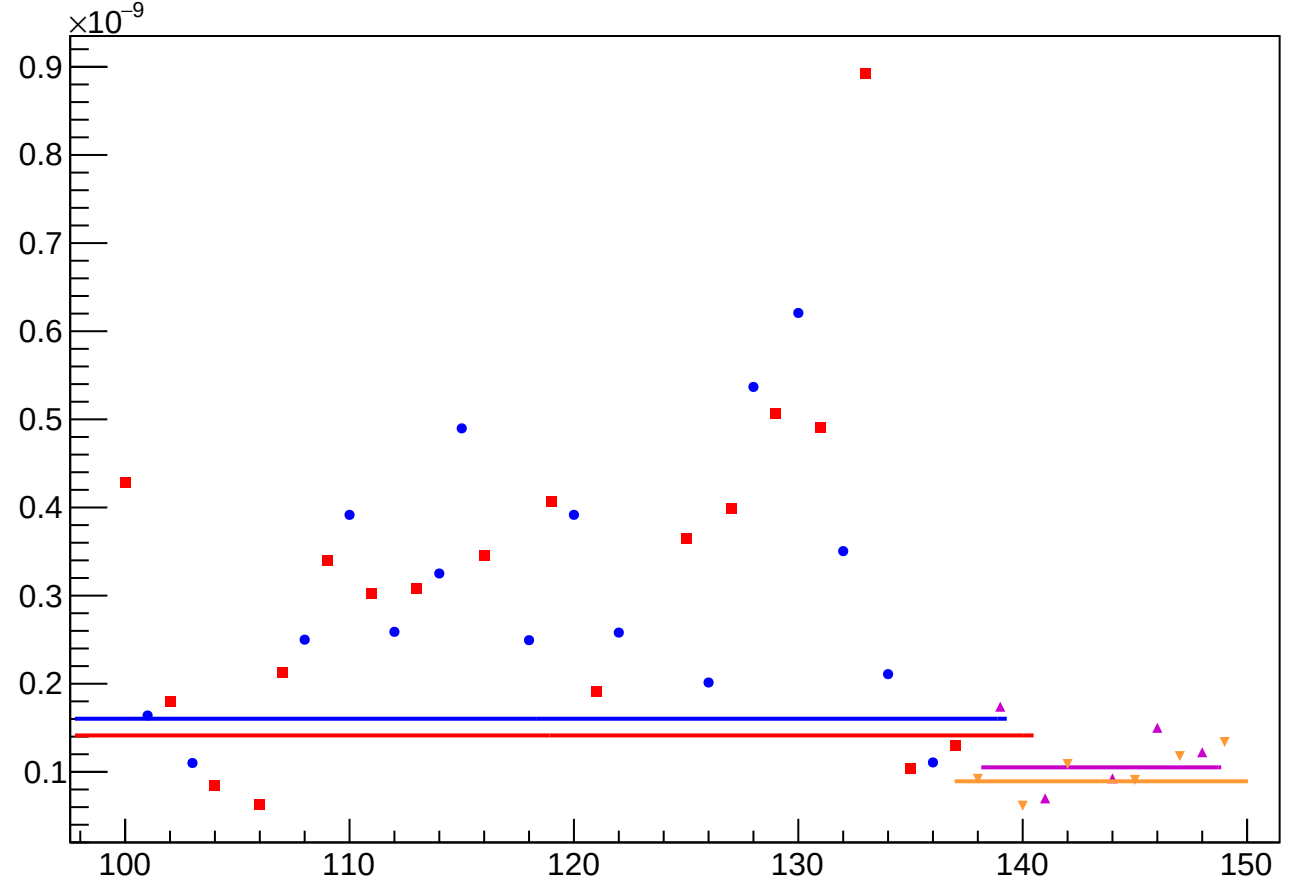
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:8.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 18.6/21

All: -0.000+/-0.000 χ^2/NDF: 44.3/44

- 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:209213.7/5

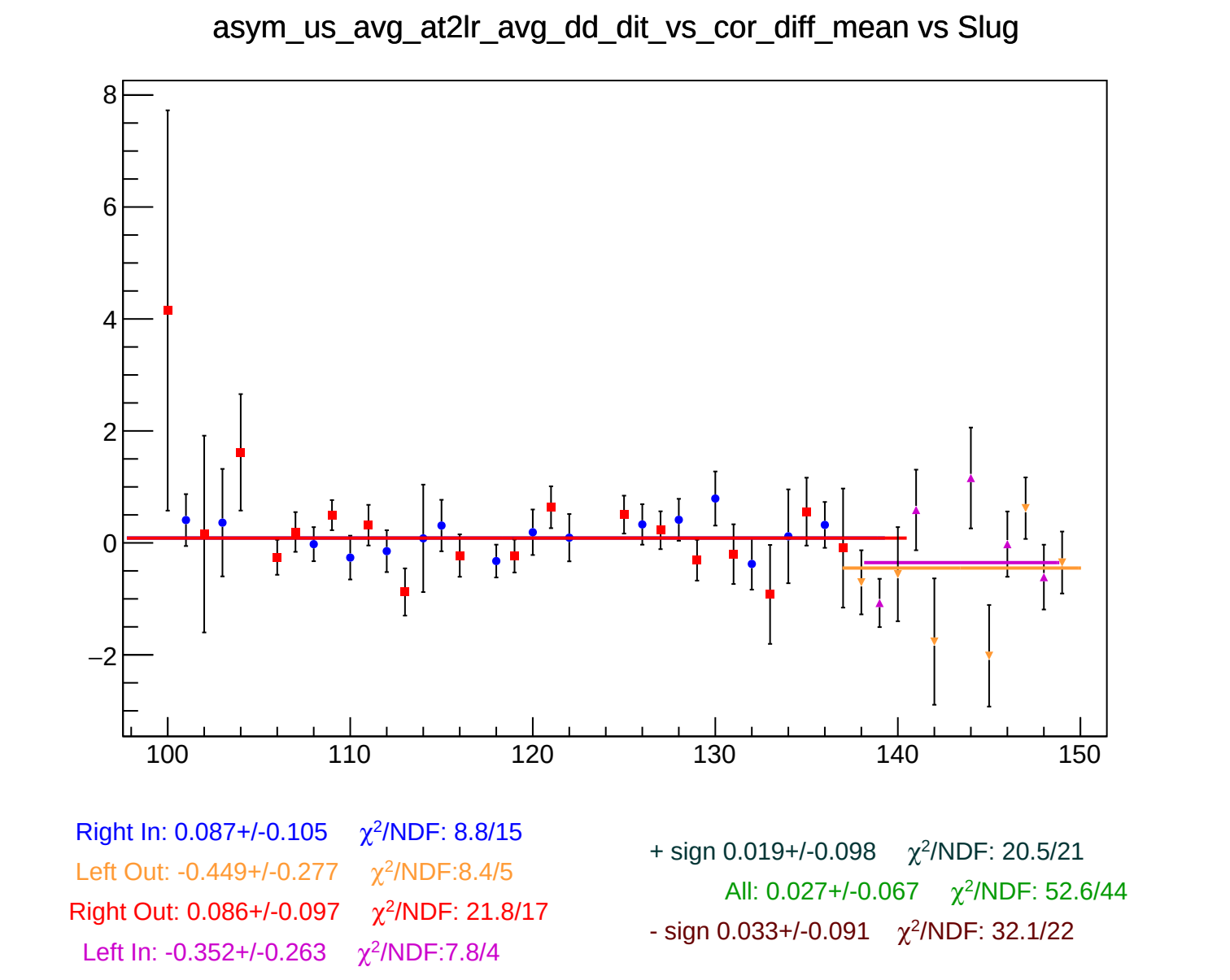
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

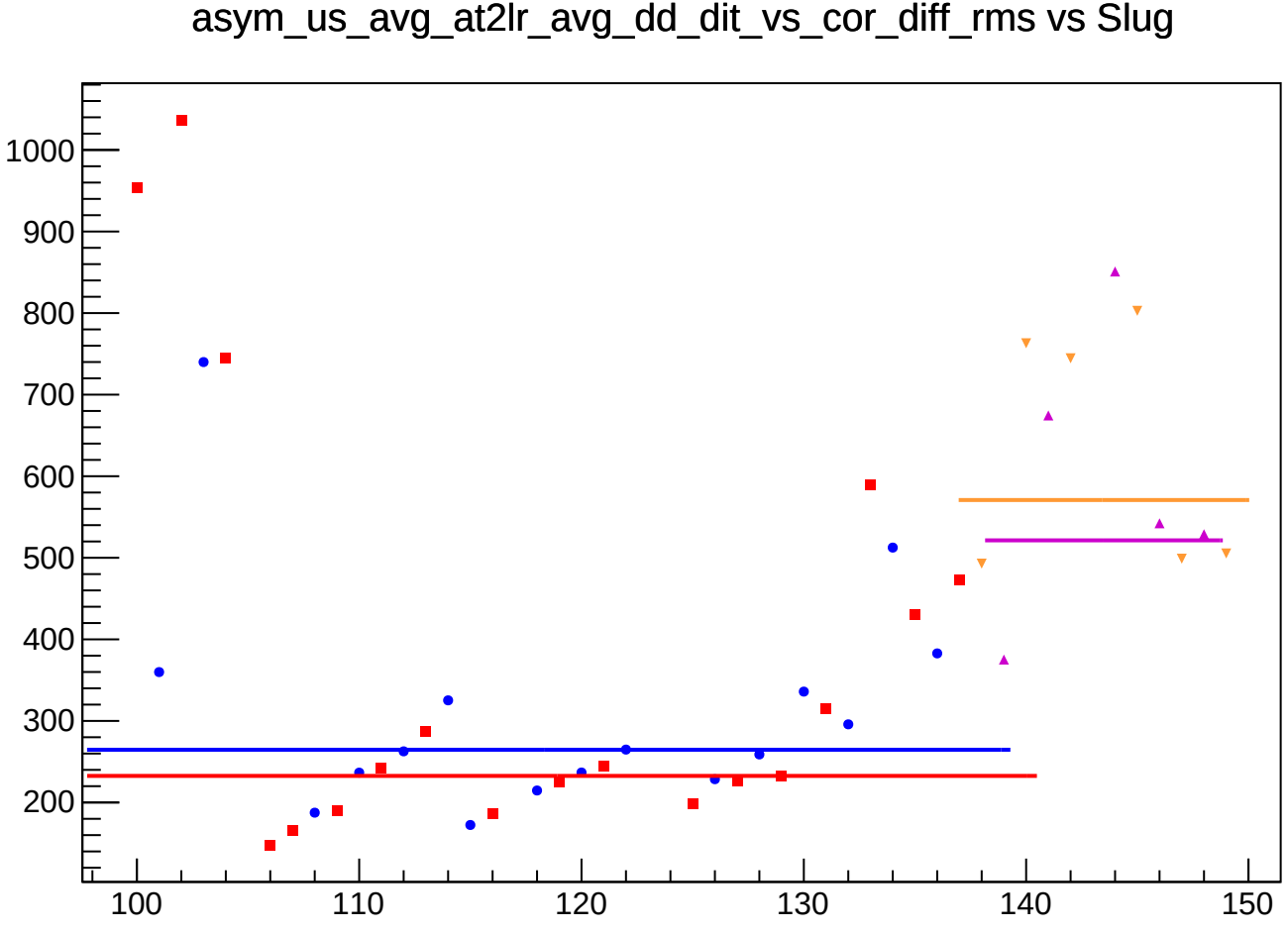
Left In: 0.000+/-0.000 χ^2/NDF:350774.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 2170603.5/21

All: 0.000+/-0.000 χ^2/NDF: 4850536.6/44

- 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: -0.449+/-0.277 χ²/NDF:8.4/5
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.352+/-0.263 χ²/NDF:7.8/4
+ sign 0.019+/-0.098 χ²/NDF: 20.5/21
All: 0.027+/-0.067 χ²/NDF: 52.6/44
- sign 0.033+/-0.091 χ²/NDF: 32.1/22



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 570.823+/-0.196 χ^2/NDF:382016.2/5

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

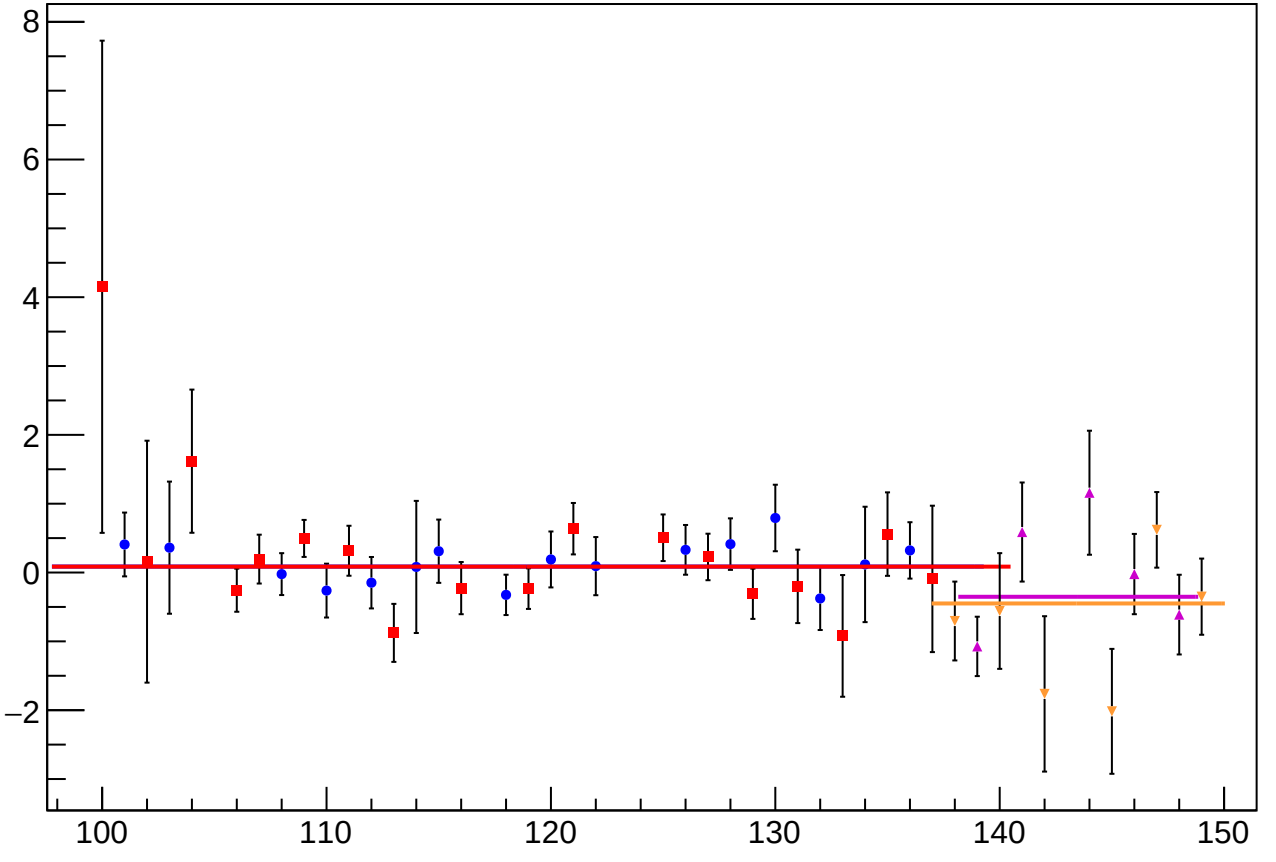
Left In: 521.378+/-0.186 χ^2/NDF:590740.1/4

+ sign 303.210+/-0.069 χ^2/NDF: 3803459.5/21

All: 283.991+/-0.047 χ^2/NDF: 8690997.7/44

- sign 267.397+/-0.065 χ^2/NDF: 4744903.9/22

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.449+/-0.277 χ^2/NDF:8.4/5

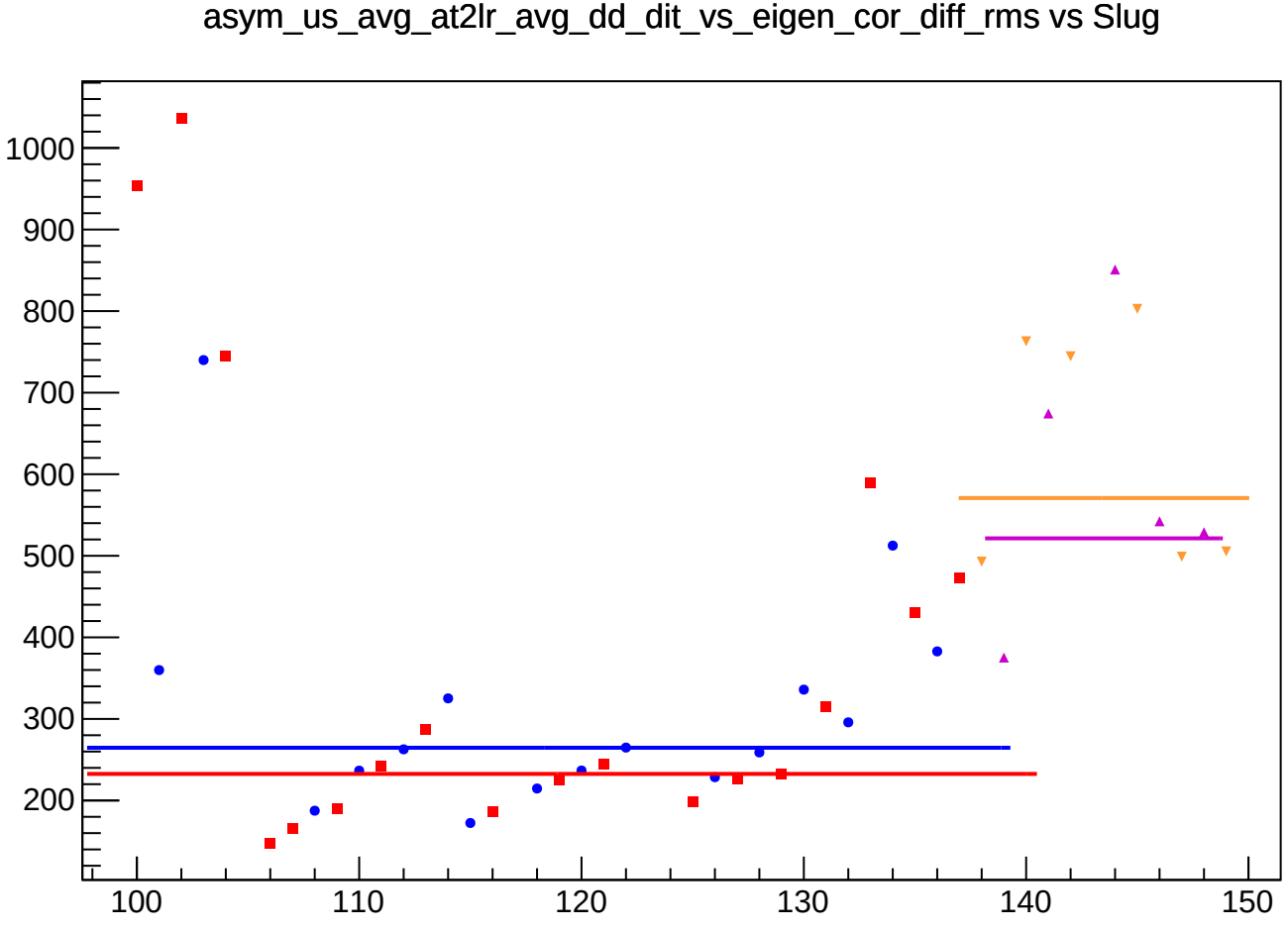
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.352+/-0.263 χ^2/NDF:7.8/4

+ sign 0.019+/-0.098 χ^2/NDF: 20.5/21

All: 0.027+/-0.067 χ^2/NDF: 52.6/44

- 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: 570.823+/-0.196 χ^2/NDF:382016.2/5

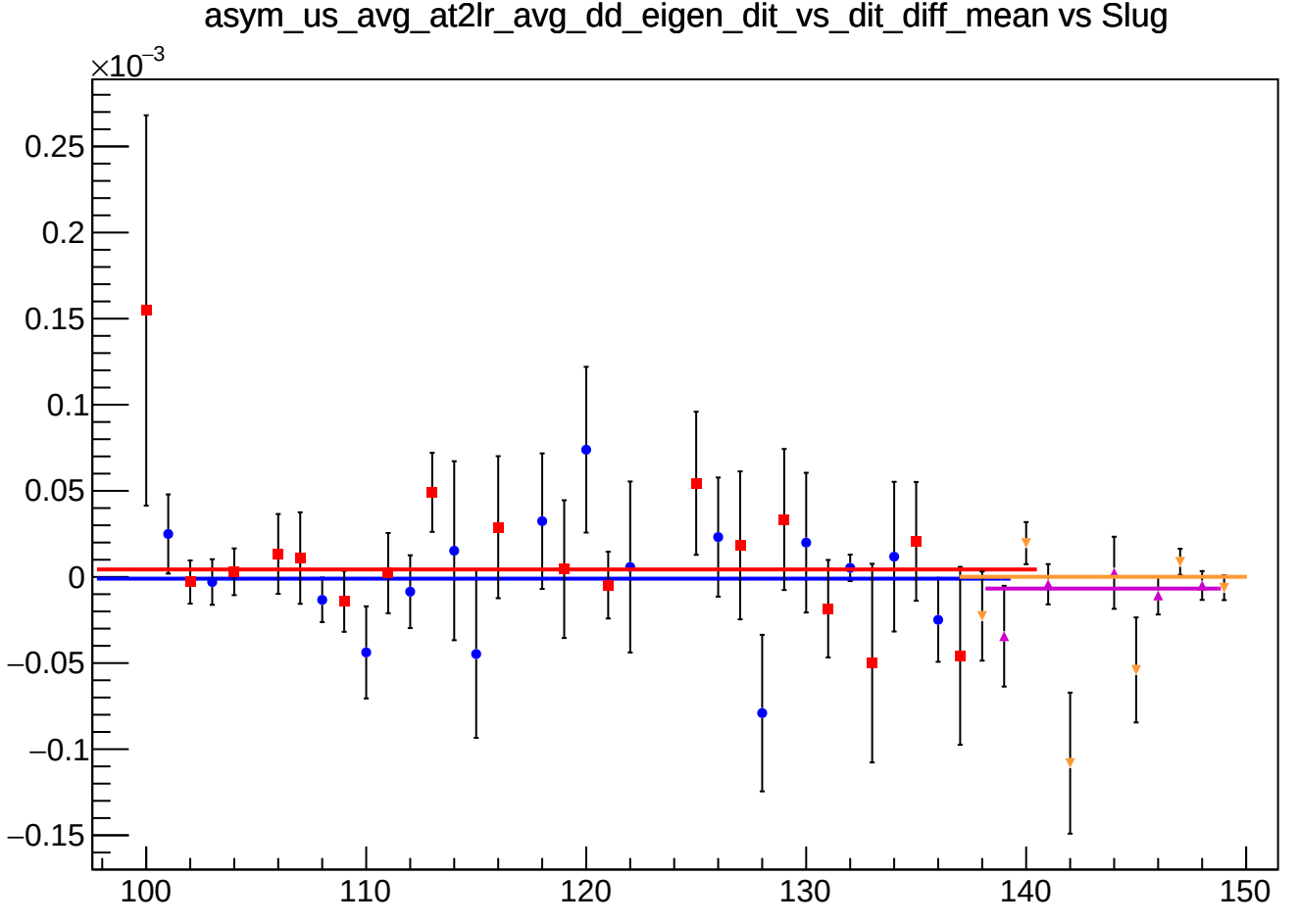
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 521.378+/-0.186 χ^2/NDF:590740.1/4

+ sign 303.210+/-0.069 χ^2/NDF: 3803459.5/21

All: 283.991+/-0.047 χ^2/NDF: 8690997.7/44

- 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:15.6/5

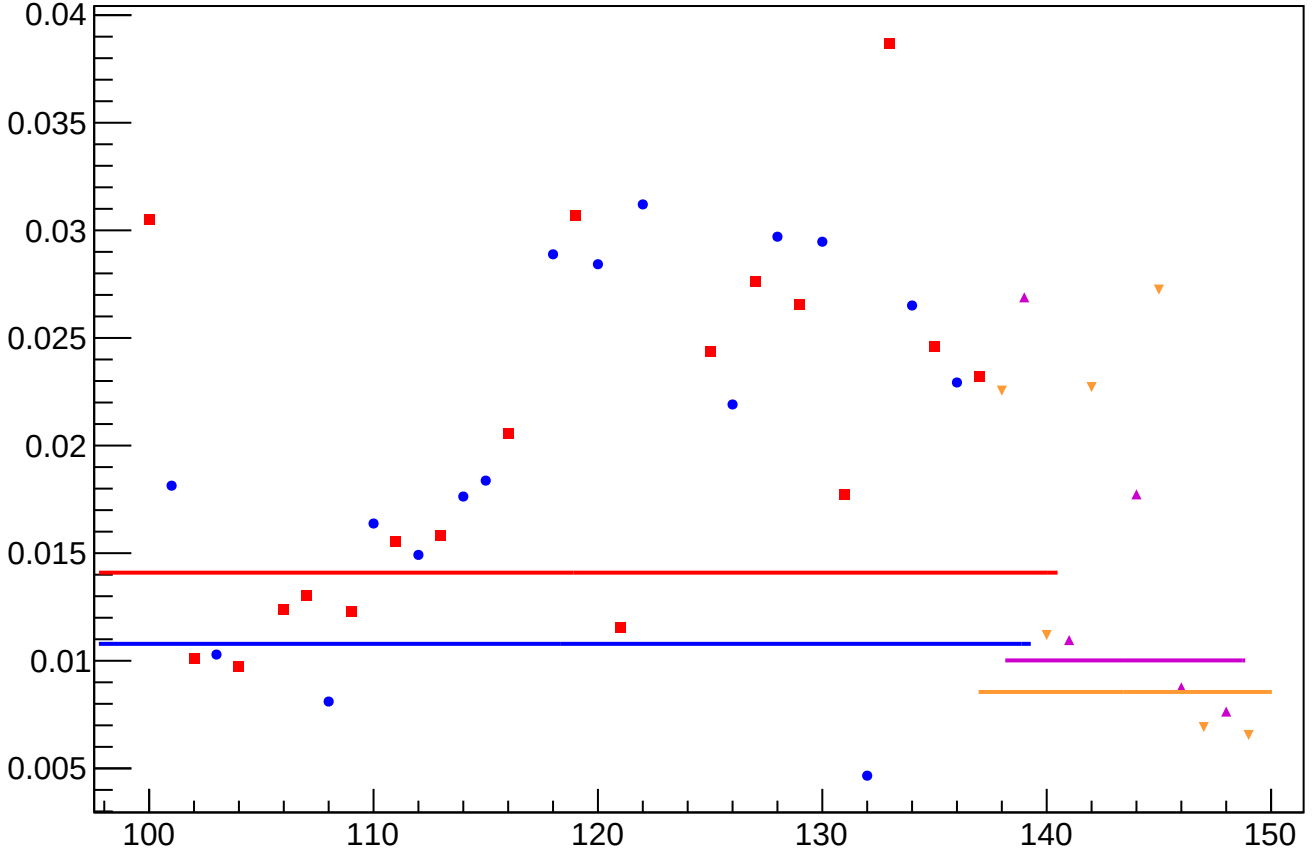
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/21

All: -0.000+/-0.000 χ^2/NDF: 45.8/44

- 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: 0.009+/-0.000 χ^2/NDF:1916406.0/5

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

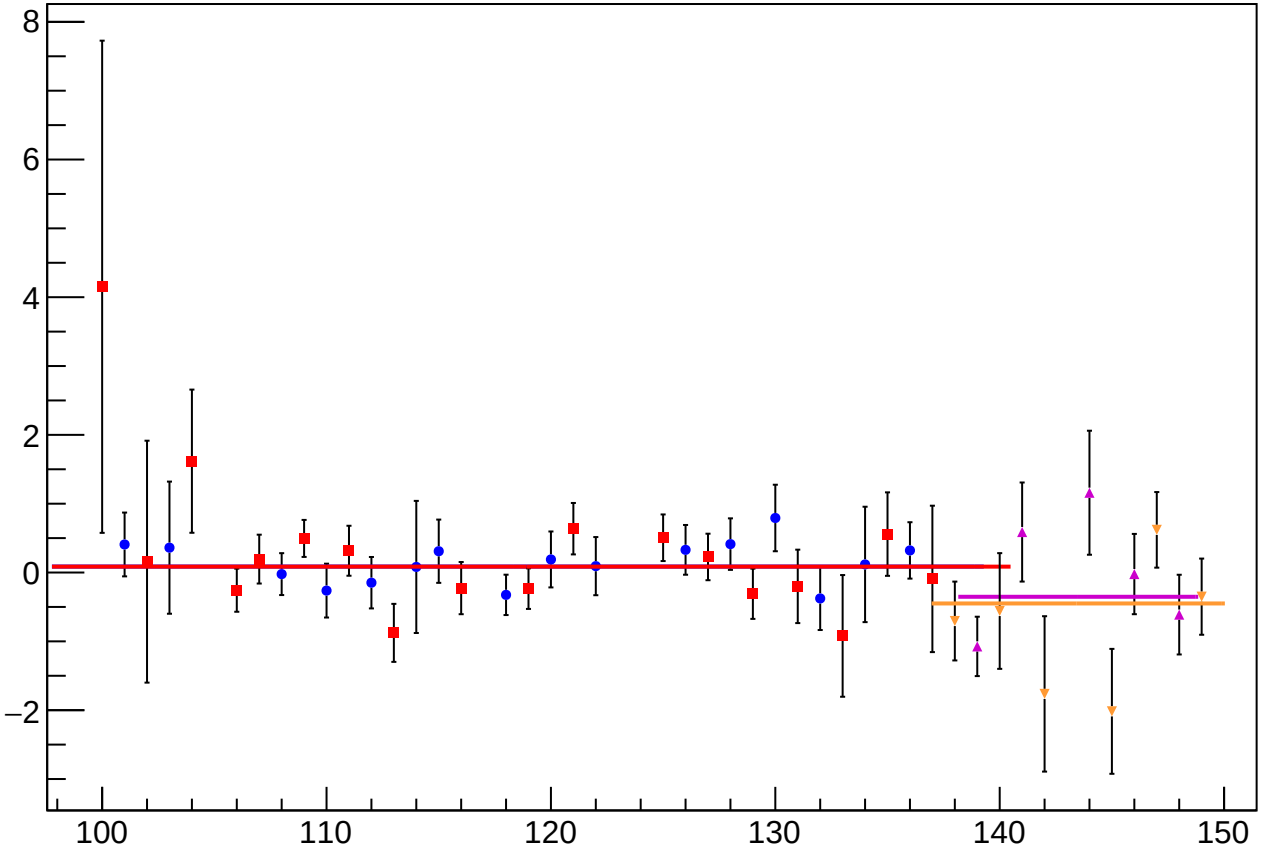
Left In: 0.010+/-0.000 χ^2/NDF:1137559.5/4

+ sign 0.010+/-0.000 χ^2/NDF: 6713231.2/21

All: 0.011+/-0.000 χ^2/NDF: 10879058.5/44

- sign 0.012+/-0.000 χ^2/NDF: 3751418.0/22

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.449+/-0.277 χ^2/NDF:8.4/5

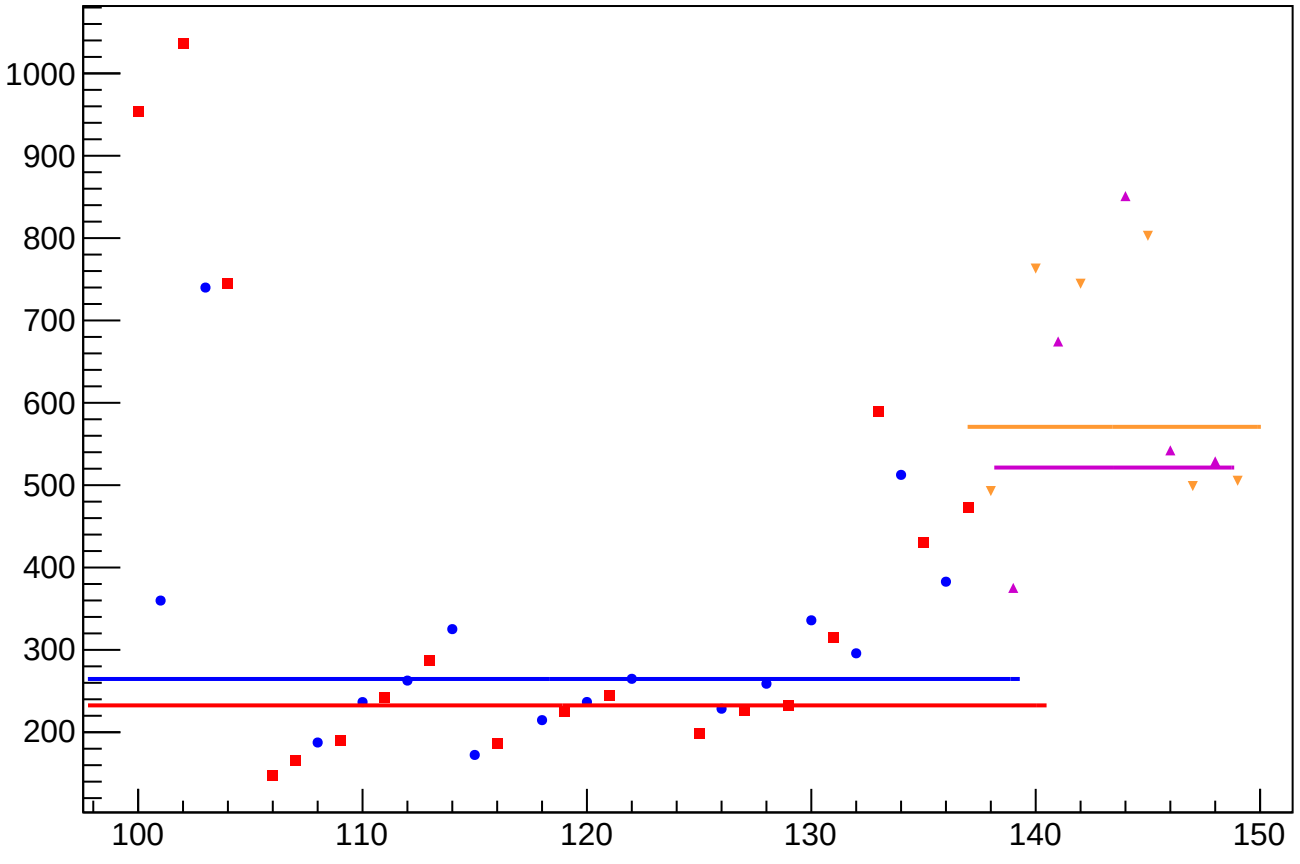
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.352+/-0.263 χ^2/NDF:7.8/4

+ sign 0.019+/-0.098 χ^2/NDF: 20.5/21

All: 0.027+/-0.067 χ^2/NDF: 52.6/44

- 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: 570.829+/-0.196 χ^2/NDF:382019.7/5

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

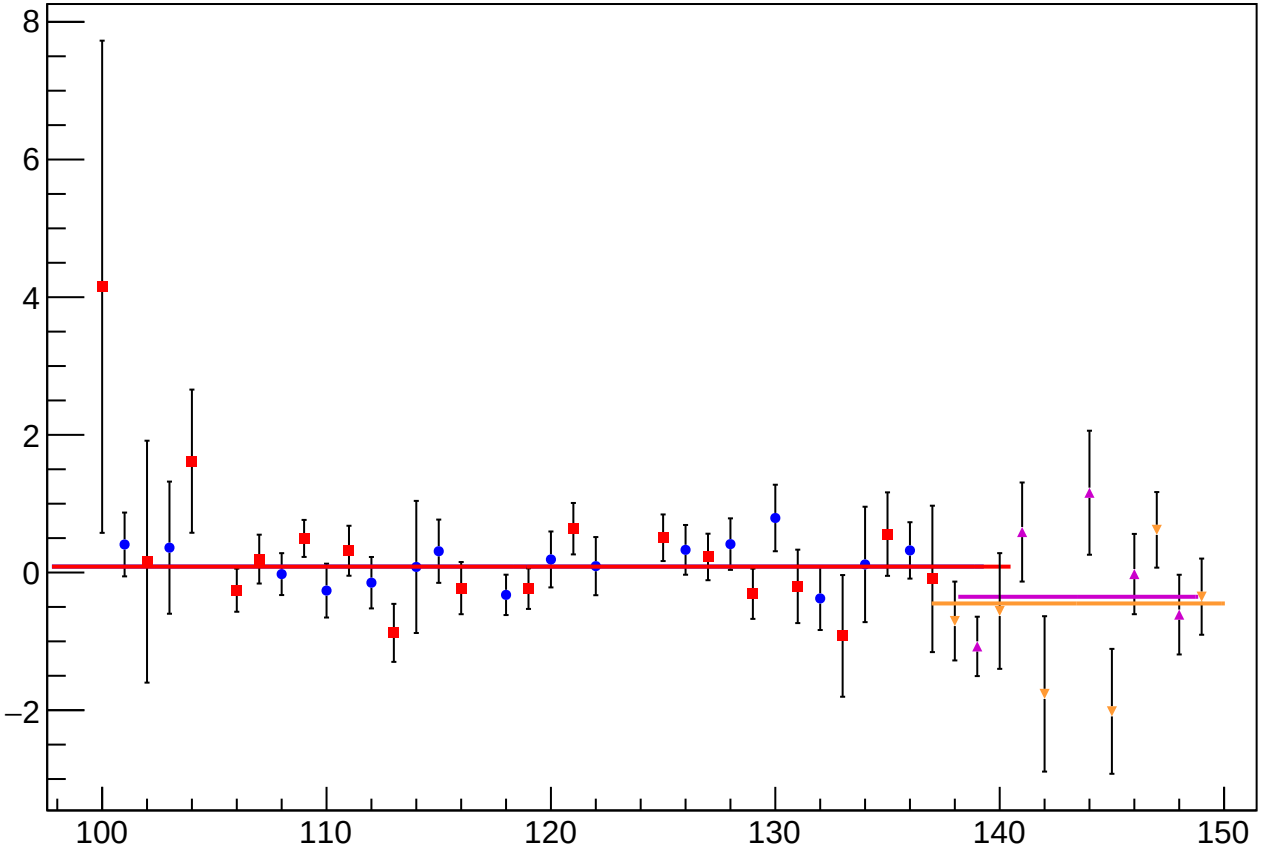
Left In: 521.386+/-0.186 χ^2/NDF:590717.4/4

+ sign 303.210+/-0.069 χ^2/NDF: 3803480.5/21

All: 283.991+/-0.047 χ^2/NDF: 8691036.1/44

- sign 267.398+/-0.065 χ^2/NDF: 4744929.8/22

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.449+/-0.277 χ^2/NDF:8.4/5

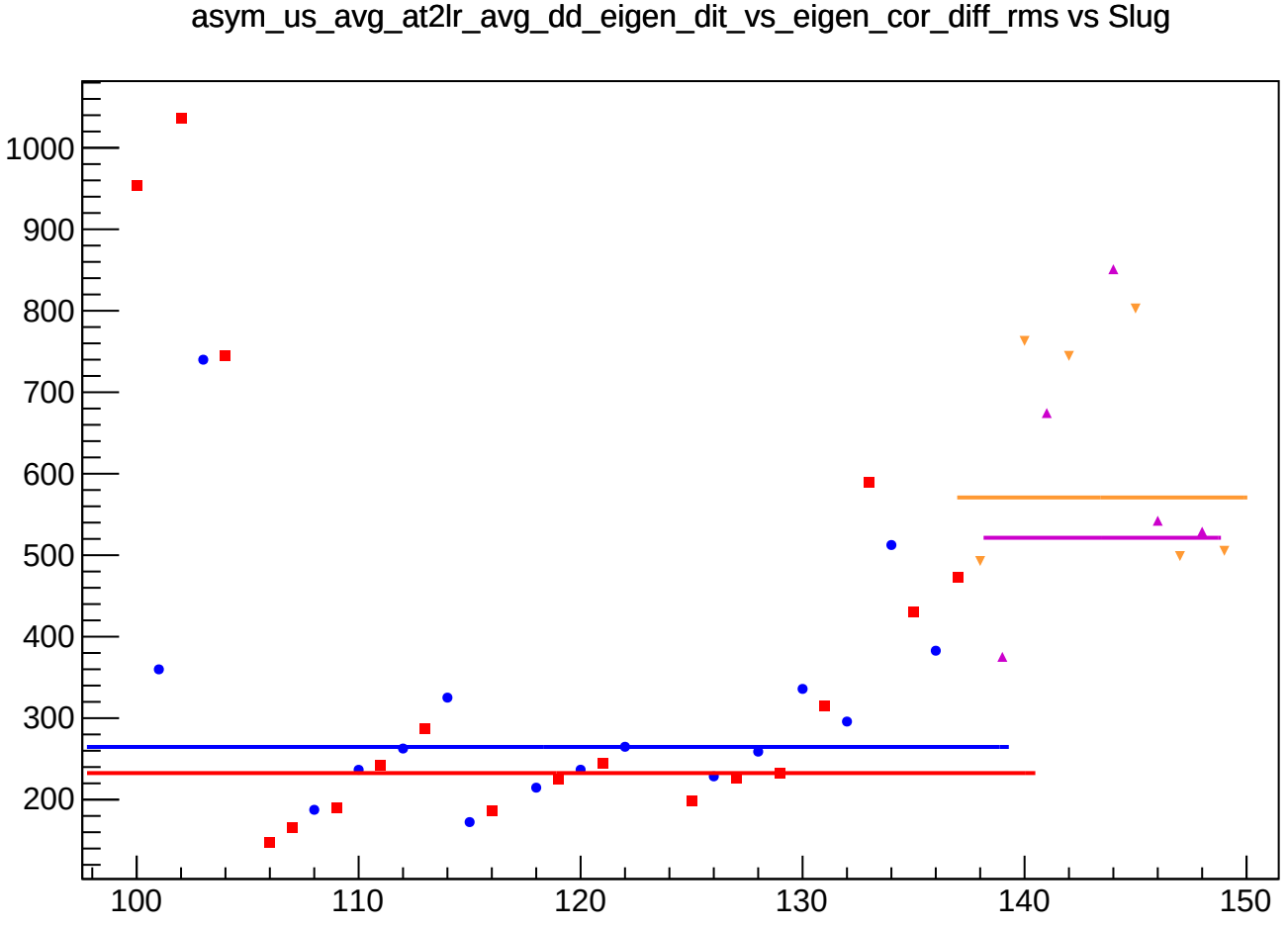
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.352+/-0.263 χ^2/NDF:7.8/4

+ sign 0.019+/-0.098 χ^2/NDF: 20.5/21

All: 0.027+/-0.067 χ^2/NDF: 52.6/44

- 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: 570.829+/-0.196 χ^2/NDF:382019.7/5

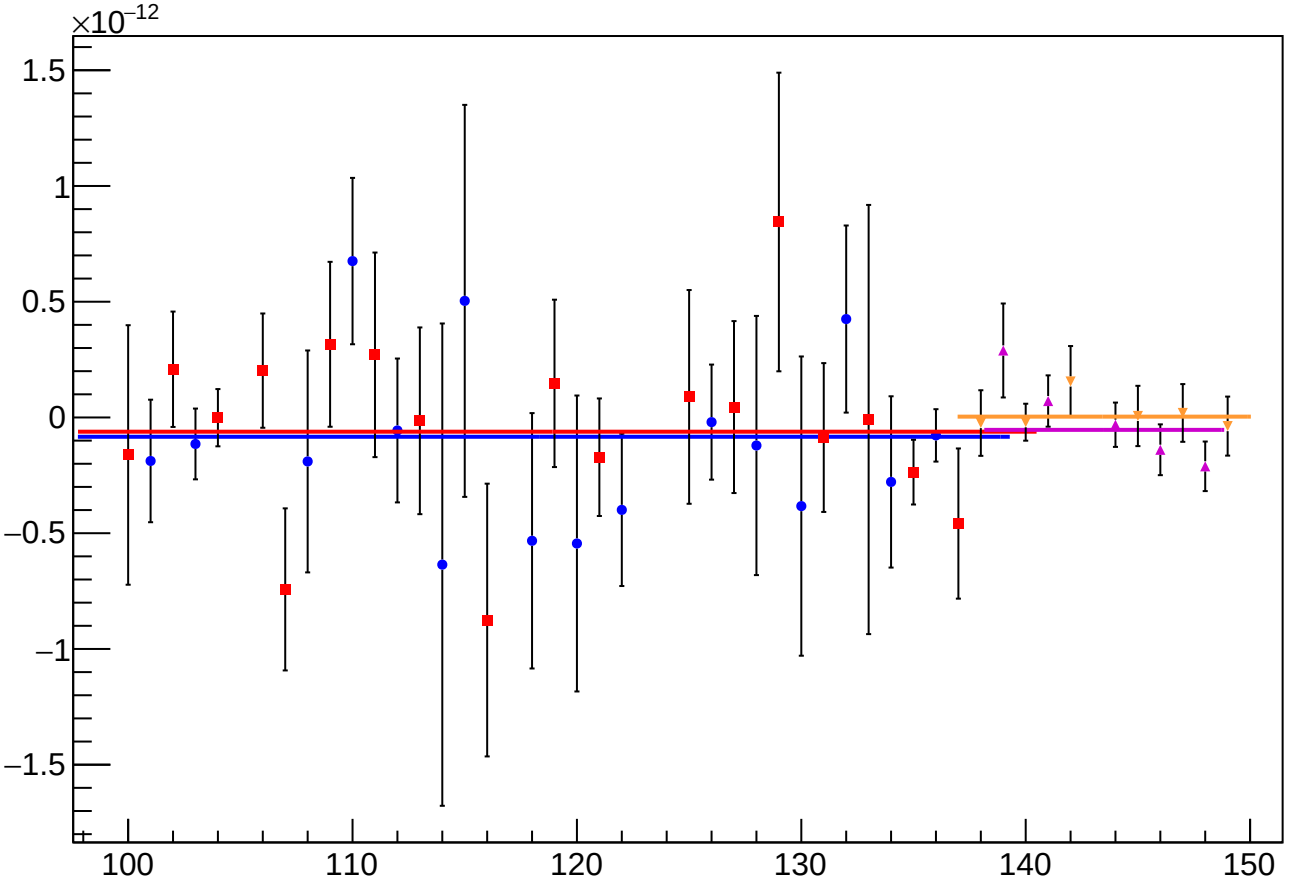
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 521.386+/-0.186 χ^2/NDF:590717.4/4

+ sign 303.210+/-0.069 χ^2/NDF: 3803480.5/21

All: 283.991+/-0.047 χ^2/NDF: 8691036.1/44

- 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:1.2/5

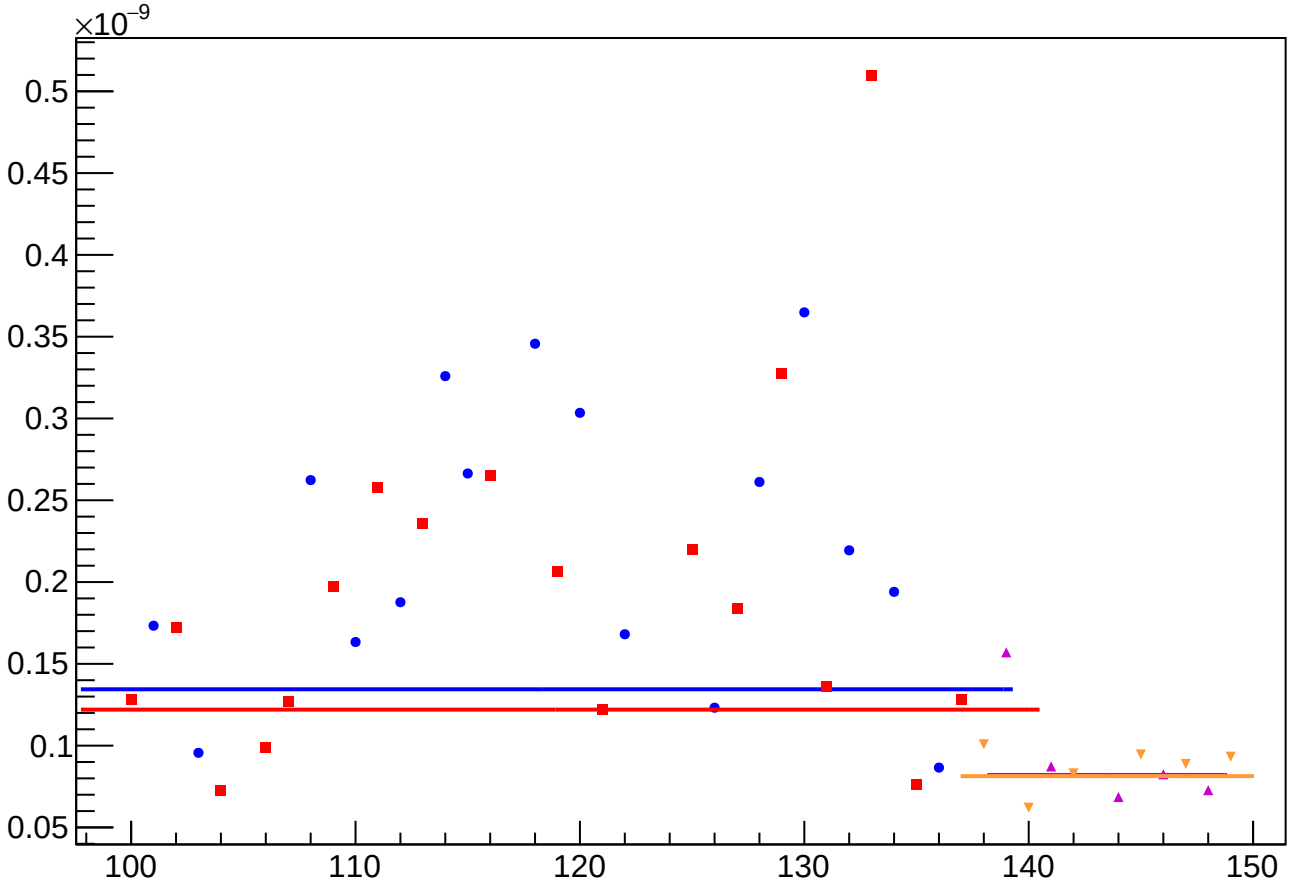
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:6.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 12.0/21

All: -0.000+/-0.000 χ^2/NDF: 35.0/44

- sign -0.000+/-0.000 χ^2/NDF: 22.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:200010.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

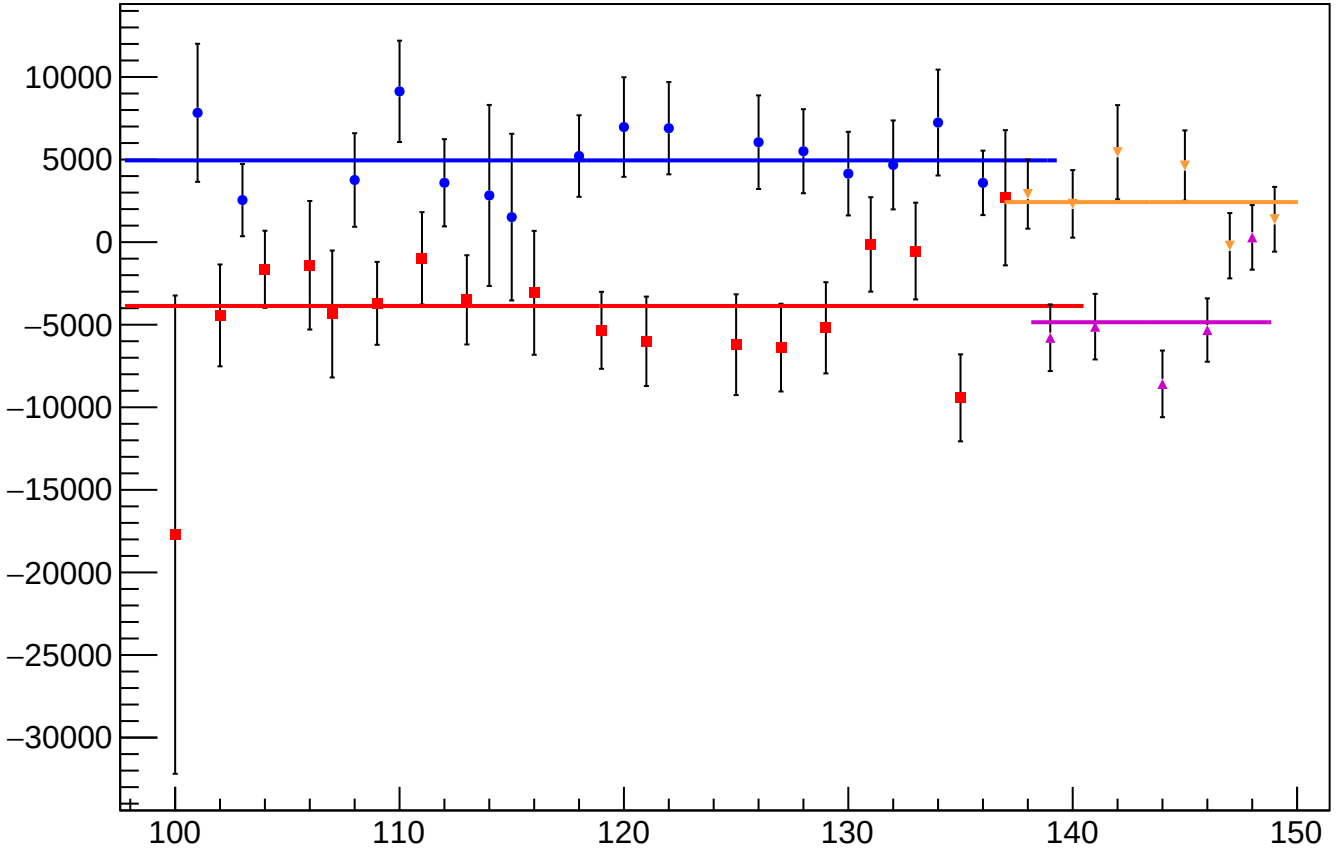
Left In: 0.000+/-0.000 χ^2/NDF:331759.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 2812674.6/21

All: 0.000+/-0.000 χ^2/NDF: 5620604.2/44

- sign 0.000+/-0.000 χ^2/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: 2424.072+/-867.954 χ^2/NDF:4.3/5

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

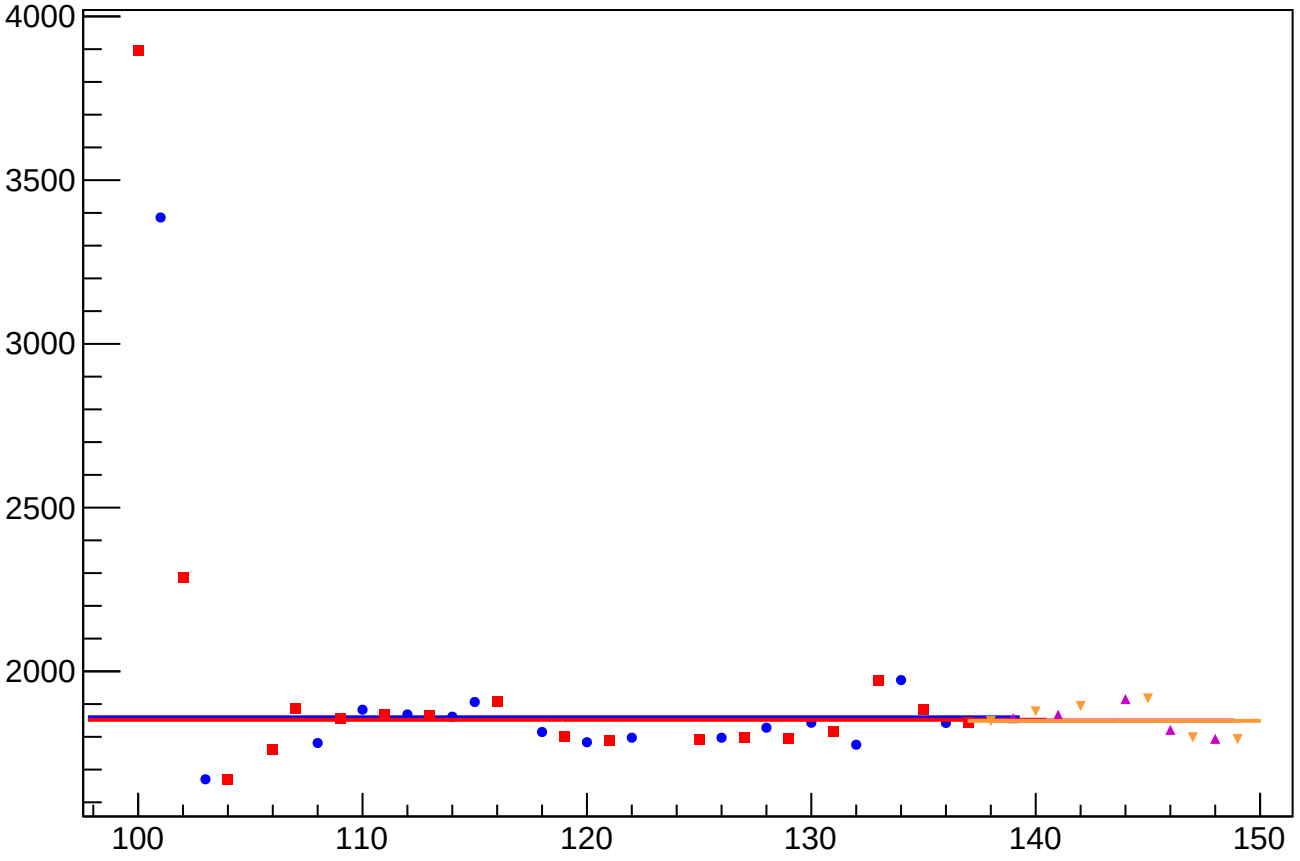
Left In: -4850.330+/-884.702 χ^2/NDF:10.6/4

+ sign 3956.563+/-544.376 χ^2/NDF: 16.3/21

All: -123.516+/-385.824 χ^2/NDF: 156.7/44

- 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: 1848.850+/-0.614 χ^2/NDF:5896.9/5

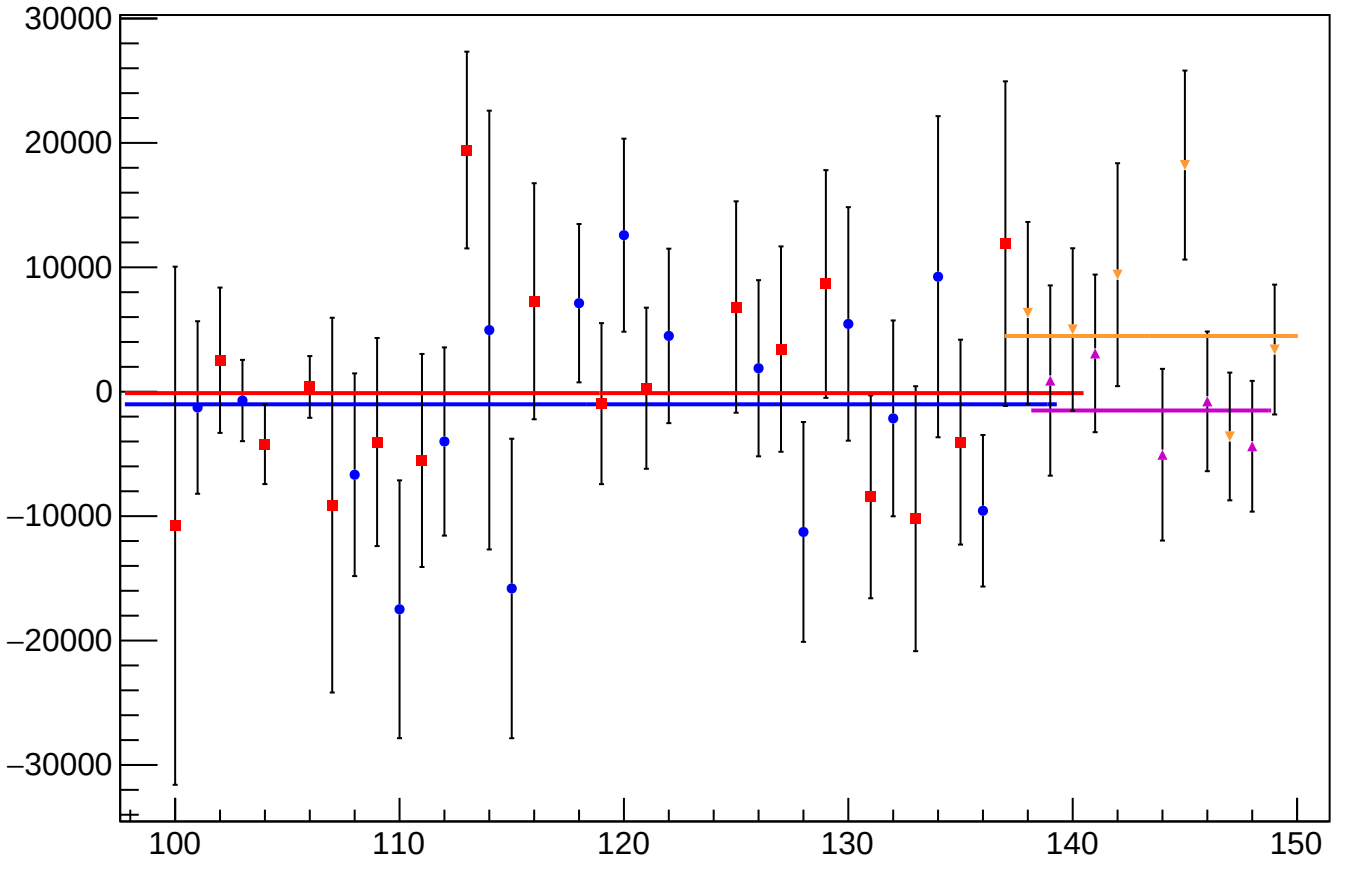
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1849.806+/-0.626 χ^2/NDF:4363.8/4

+ sign 1855.316+/-0.385 χ^2/NDF: 298414.5/21

All: 1853.266+/-0.273 χ^2/NDF: 405055.7/44

- 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: 4480.012+/-2611.465 χ^2/NDF:6.2/5

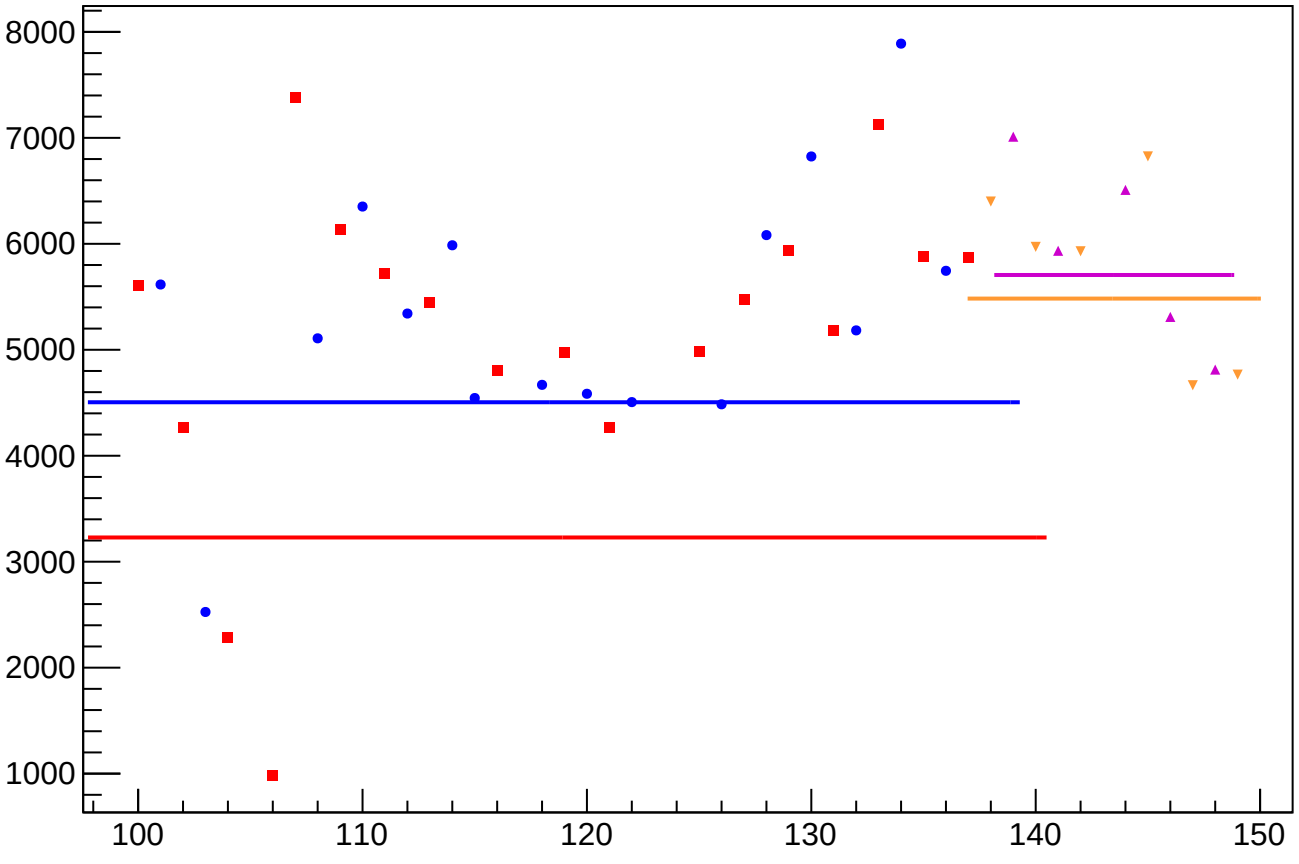
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -1506.761+/-2763.288 χ^2/NDF:1.2/4

+ sign 710.161+/-1461.864 χ^2/NDF: 23.9/21

All: 75.048+/-961.295 χ^2/NDF: 40.3/44

- 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: 5483.146+/-1.847 χ^2/NDF:198560.8/5

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

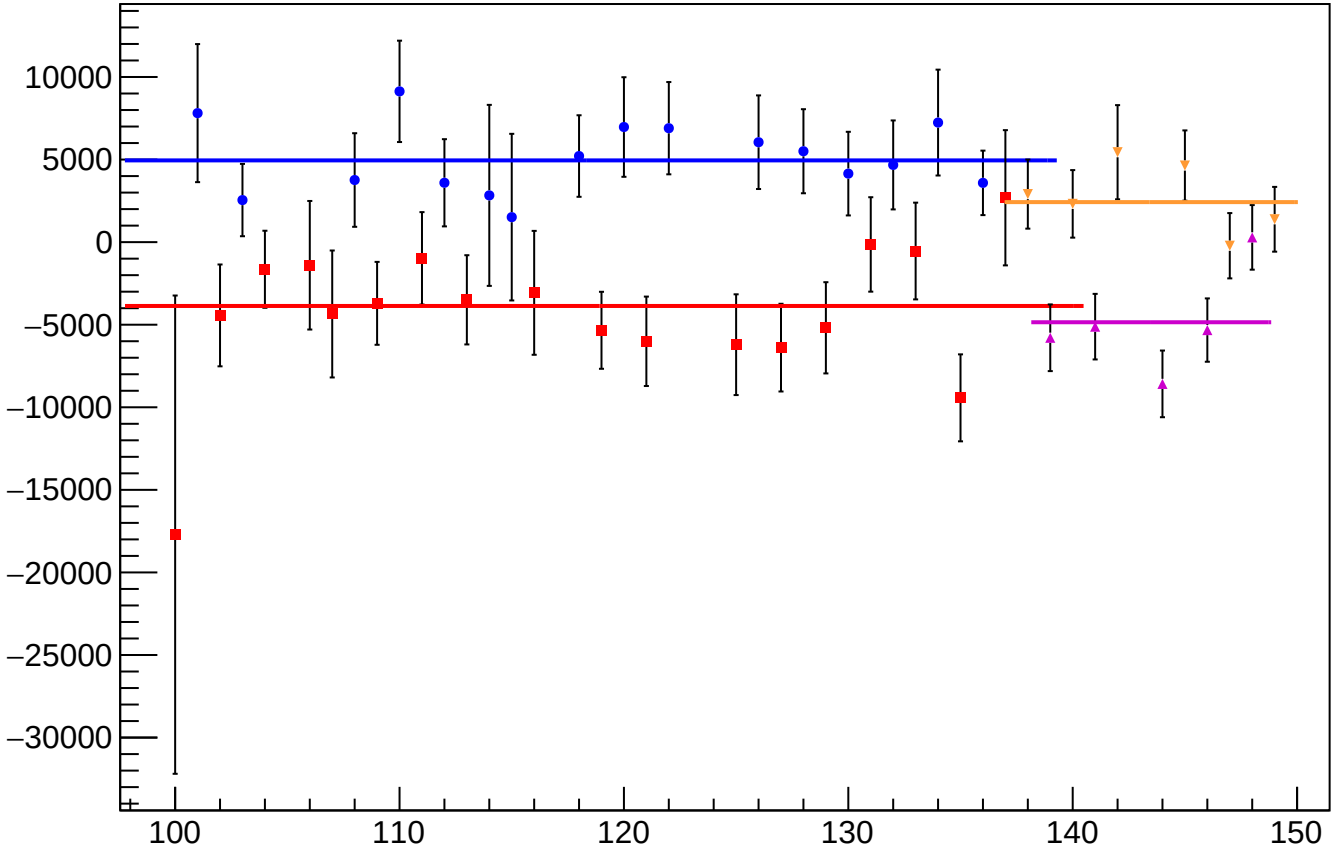
Left In: 5705.856+/-1.954 χ^2/NDF:155621.7/4

+ sign 4811.368+/-1.034 χ^2/NDF: 1712411.7/21

All: 4212.813+/-0.680 χ^2/NDF: 7679814.7/44

- 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: 2423.948+/-867.954 χ^2/NDF:4.3/5

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

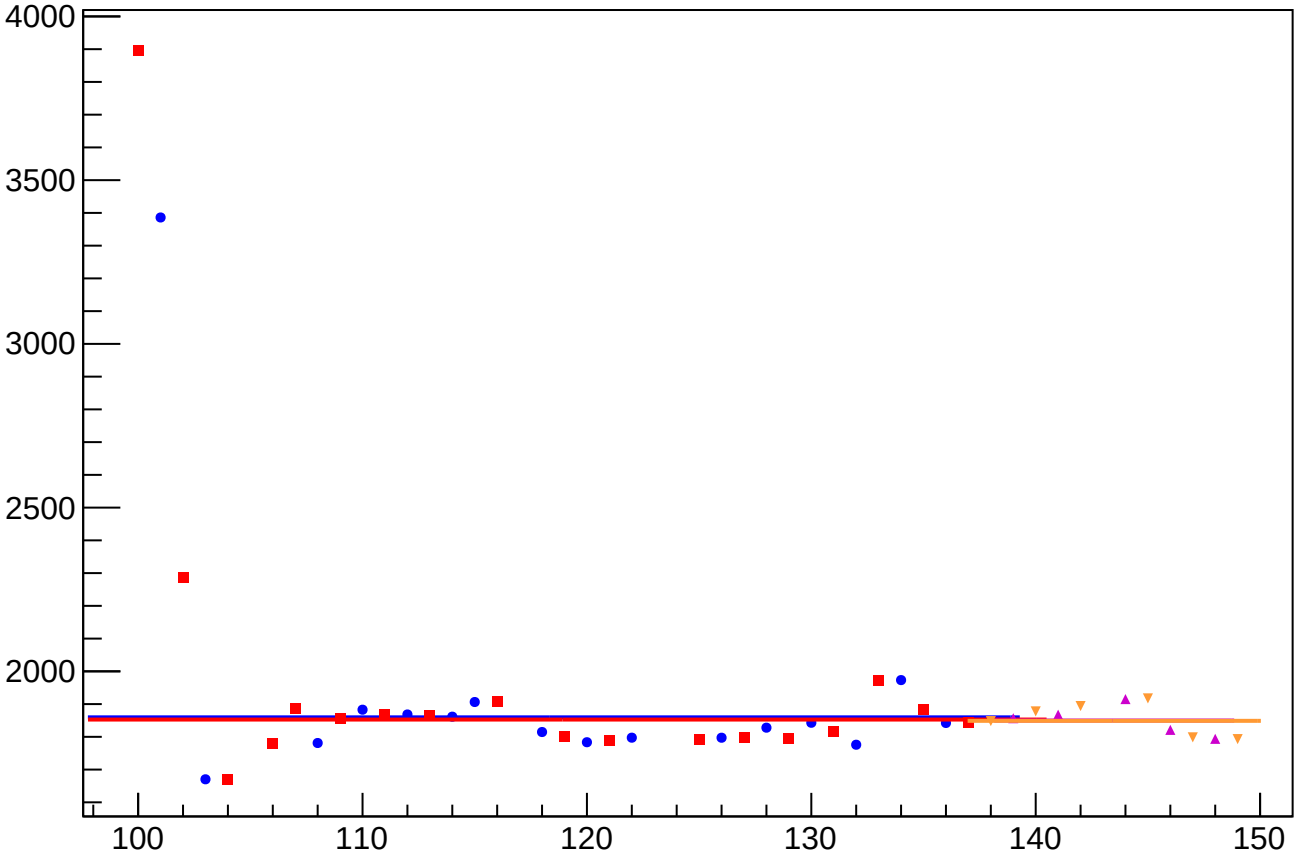
Left In: -4850.656+/-884.702 χ^2/NDF:10.6/4

+ sign 3956.222+/-544.376 χ^2/NDF: 16.3/21

All: -123.684+/-385.824 χ^2/NDF: 156.7/44

- 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: 1848.850+/-0.614 χ^2/NDF:5896.9/5

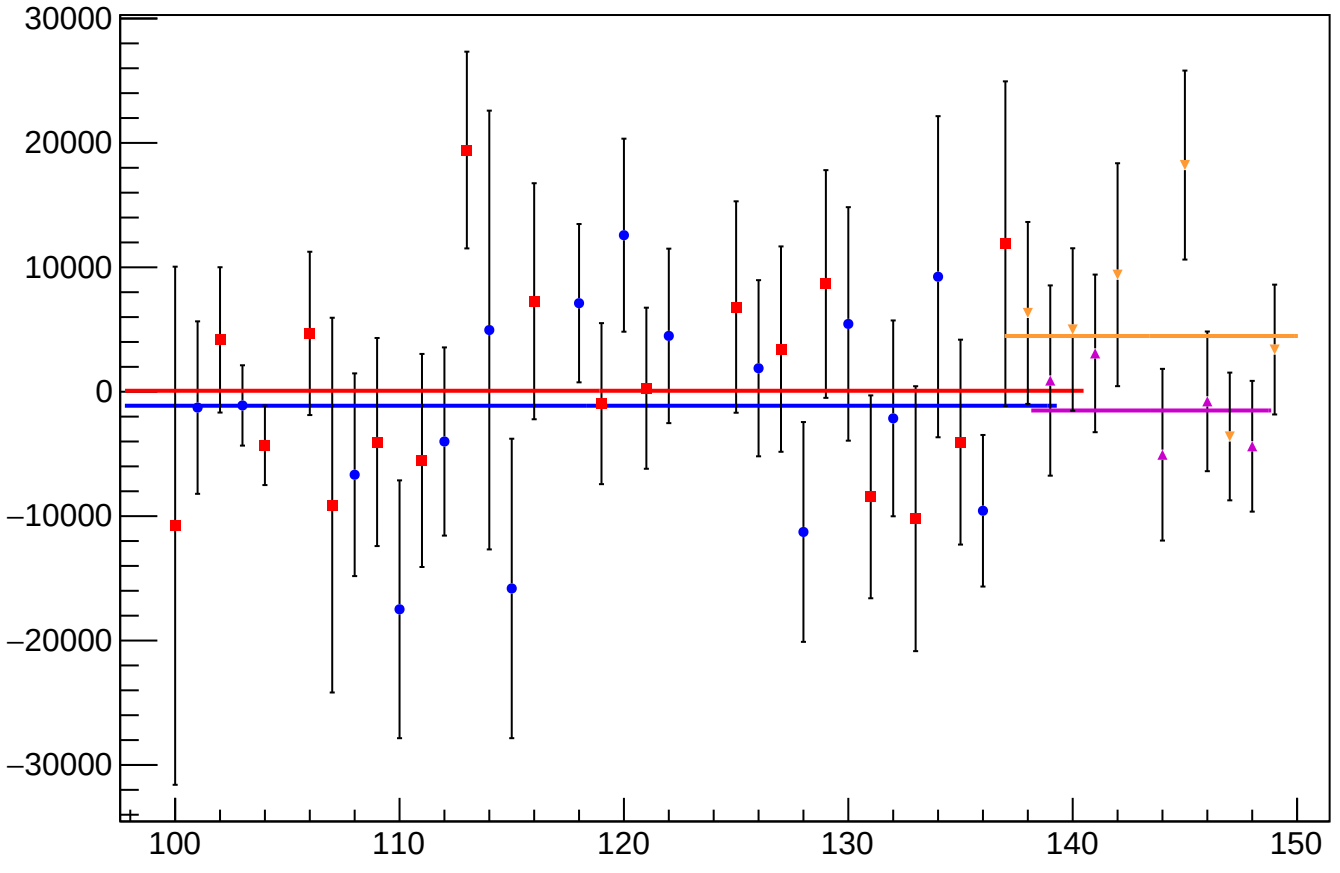
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1849.806+/-0.626 χ^2/NDF:4363.8/4

+ sign 1855.316+/-0.385 χ^2/NDF: 298416.3/21

All: 1853.484+/-0.273 χ^2/NDF: 404590.0/44

- 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: 4479.893+/-2611.460 χ^2/NDF:6.2/5

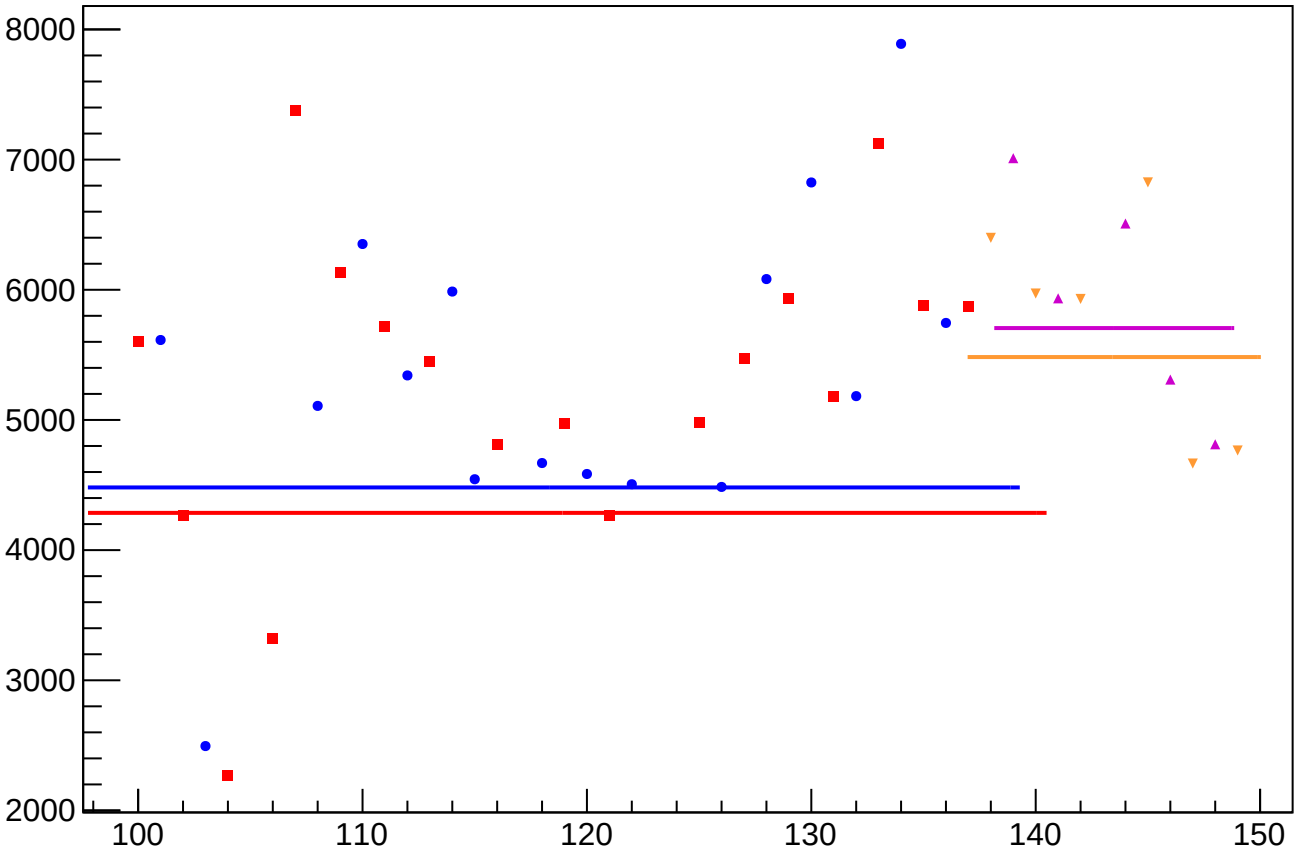
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -1506.824+/-2763.286 χ^2/NDF:1.2/4

+ sign 622.350+/-1458.270 χ^2/NDF: 24.1/21

All: 129.274+/-1028.017 χ^2/NDF: 41.3/44

- 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: 5483.134+/-1.847 χ^2/NDF:198560.7/5

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

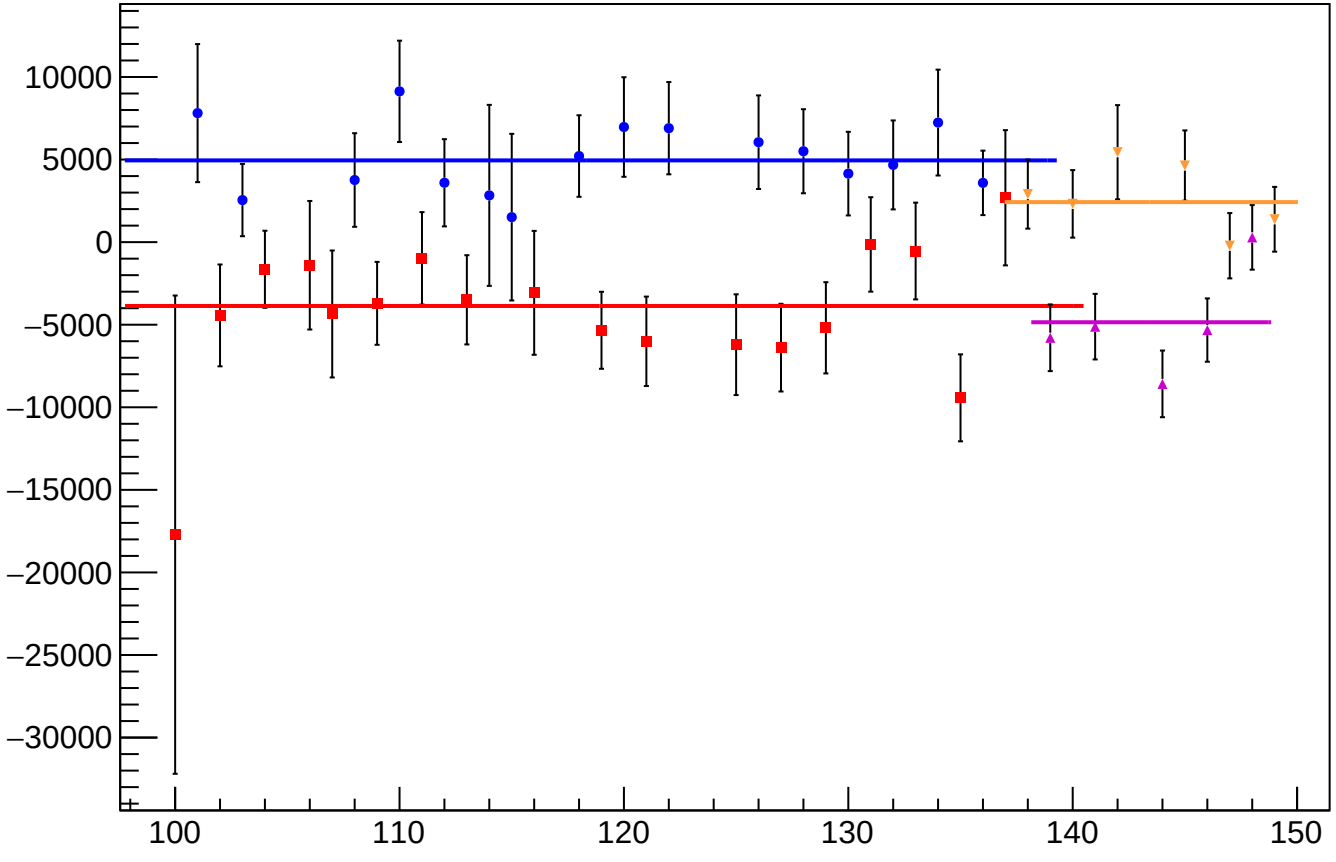
Left In: 5705.850+/-1.954 χ^2/NDF:155623.5/4

+ sign 4793.846+/-1.031 χ^2/NDF: 1763287.9/21

All: 4734.940+/-0.727 χ^2/NDF: 3857937.6/44

- 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: 2423.948+/-867.954 χ^2/NDF:4.3/5

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

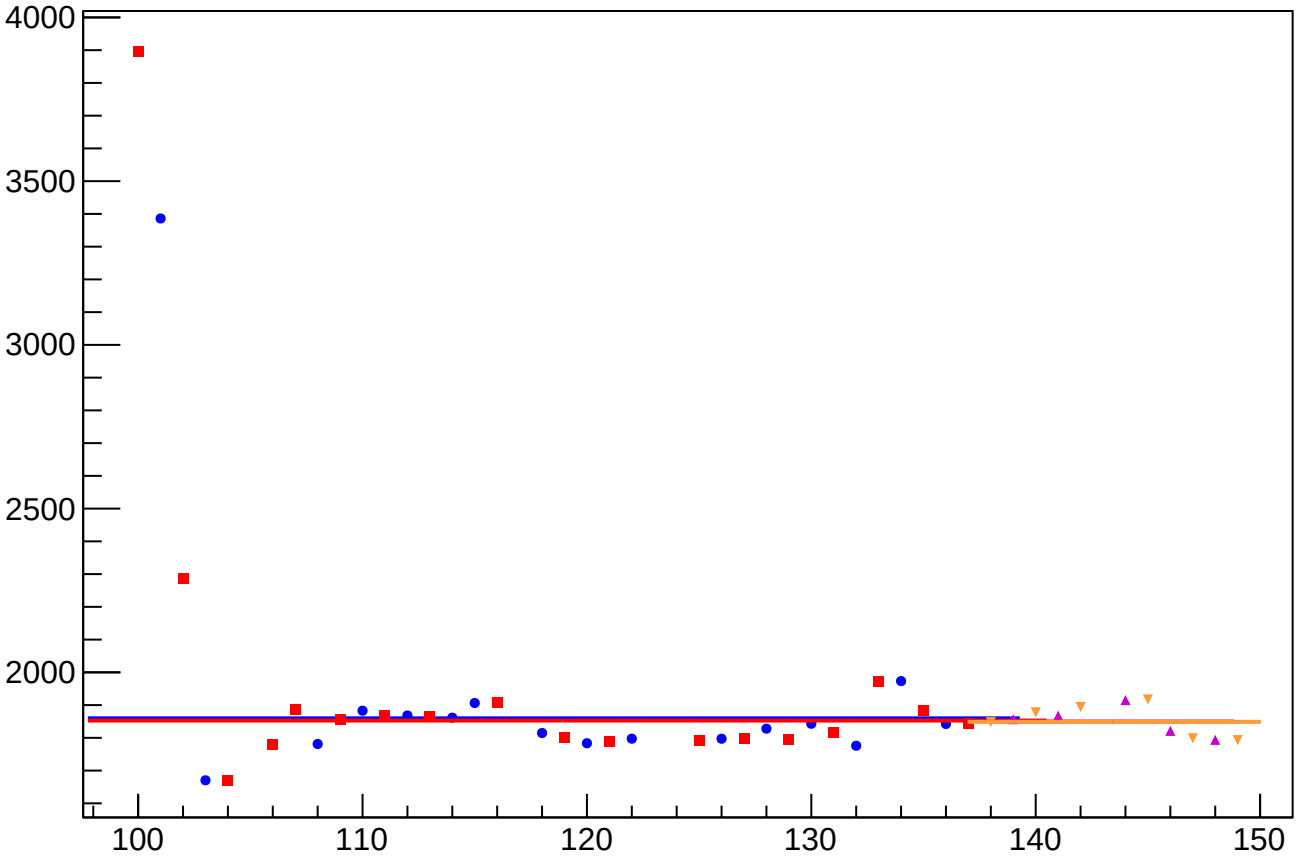
Left In: -4850.656+/-884.702 χ^2/NDF:10.6/4

+ sign 3956.222+/-544.376 χ^2/NDF: 16.3/21

All: -123.684+/-385.824 χ^2/NDF: 156.7/44

- 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: 1848.850+/-0.614 χ^2/NDF:5896.9/5

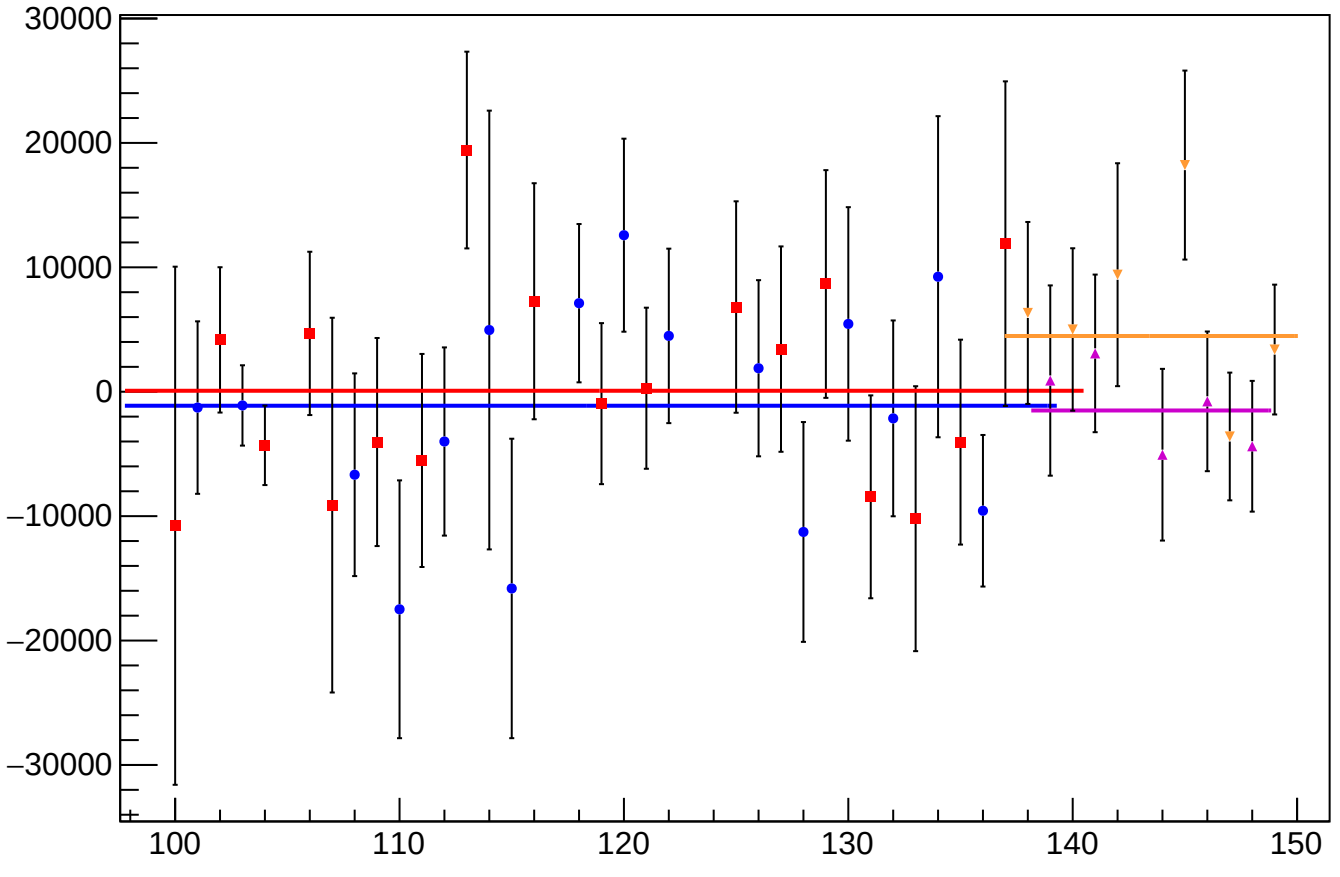
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1849.806+/-0.626 χ^2/NDF:4363.8/4

+ sign 1855.316+/-0.385 χ^2/NDF: 298416.3/21

All: 1853.484+/-0.273 χ^2/NDF: 404590.0/44

- 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: 4479.893+/-2611.460 χ^2/NDF:6.2/5

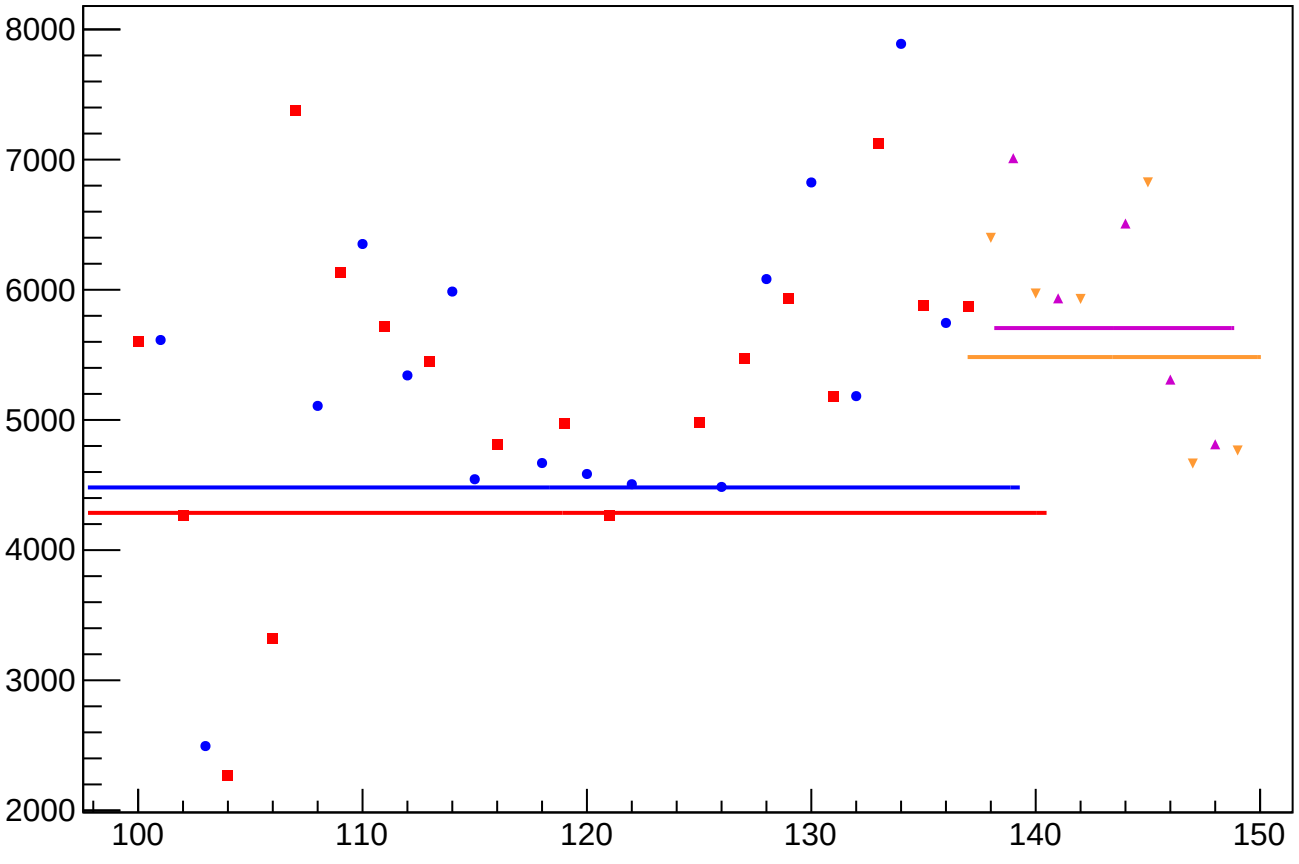
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -1506.824+/-2763.286 χ^2/NDF:1.2/4

+ sign 622.350+/-1458.270 χ^2/NDF: 24.1/21

All: 129.274+/-1028.017 χ^2/NDF: 41.3/44

- 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: 5483.134+/-1.847 χ^2/NDF:198560.7/5

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

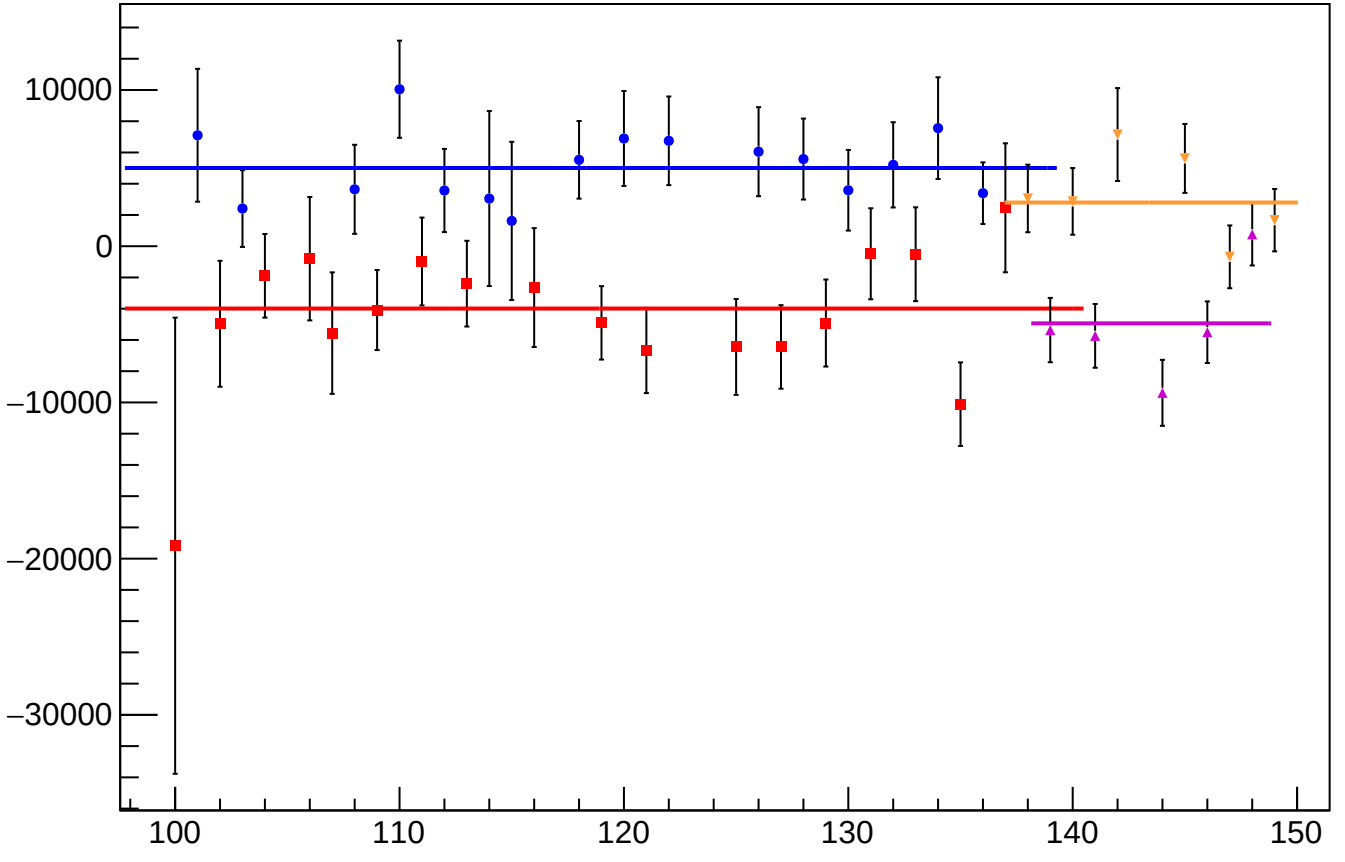
Left In: 5705.850+/-1.954 χ^2/NDF:155623.5/4

+ sign 4793.846+/-1.031 χ^2/NDF: 1763287.9/21

All: 4734.940+/-0.727 χ^2/NDF: 3857937.6/44

- 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: 2797.506+/-894.269 χ^2/NDF:7.1/5

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

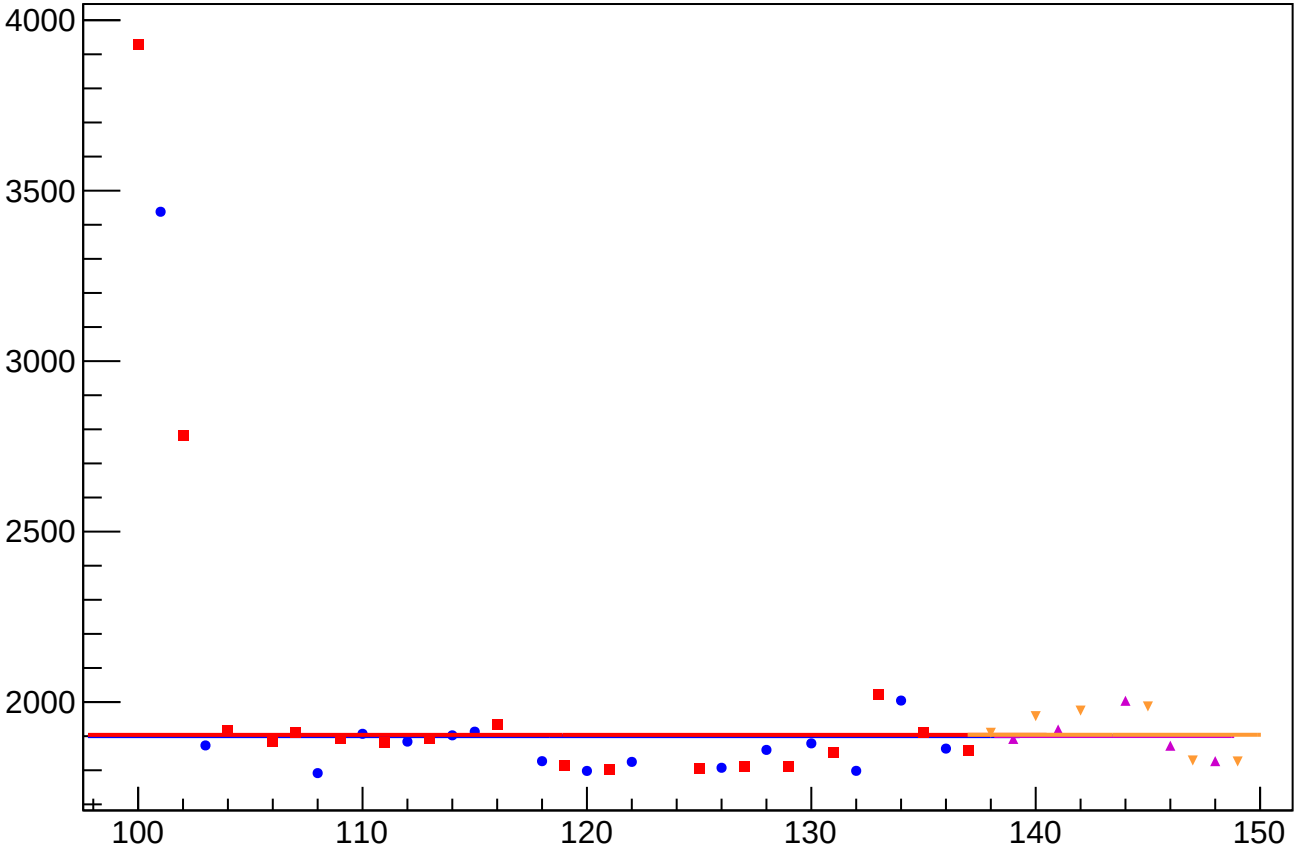
Left In: -4937.998+/-909.213 χ^2/NDF:12.9/4

+ sign 4146.942+/-558.000 χ^2/NDF: 18.5/21

All: -58.350+/-396.663 χ^2/NDF: 164.3/44

- 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: 1904.116+/-0.632 χ^2/NDF:11183.0/5

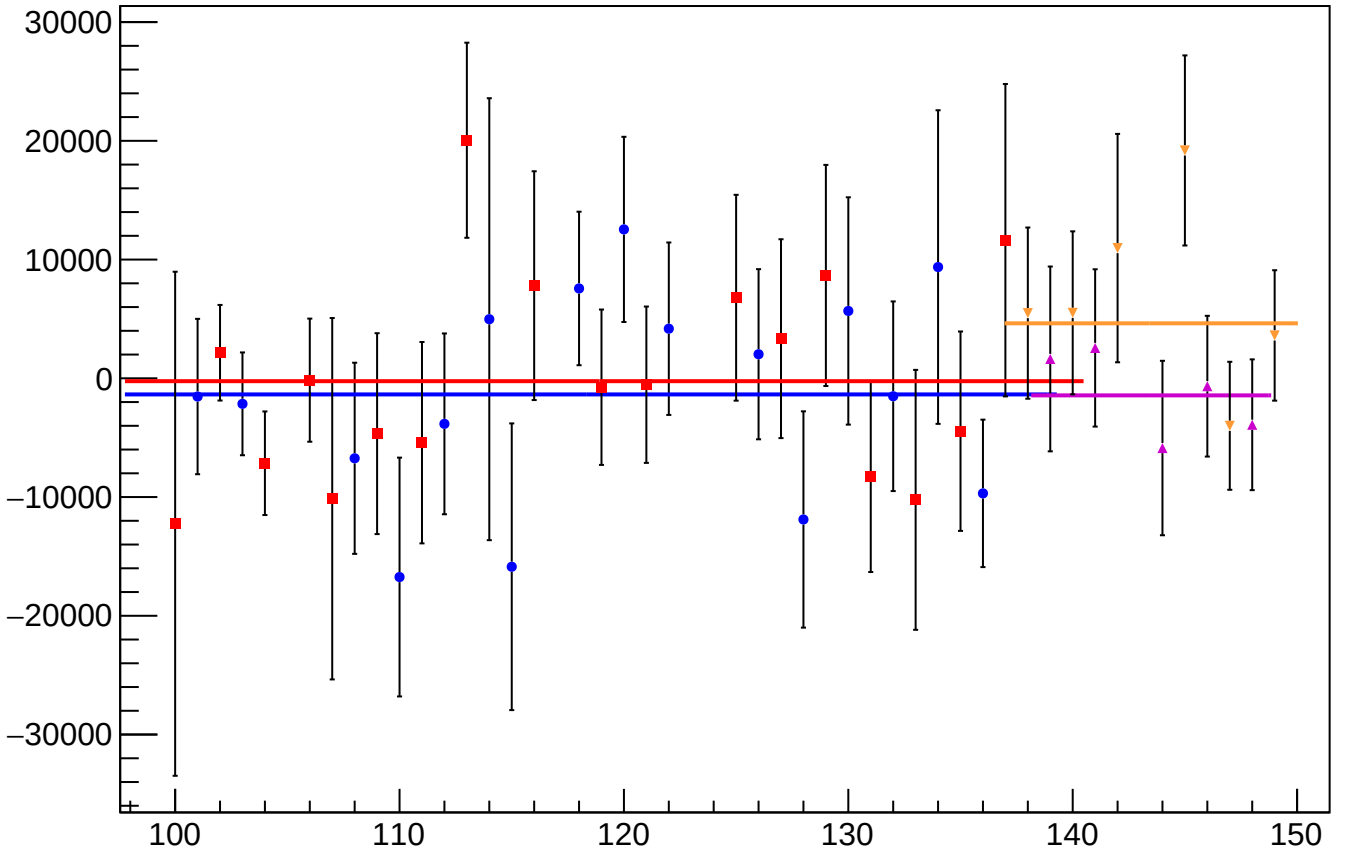
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1900.369+/-0.643 χ^2/NDF:8151.5/4

+ sign 1901.671+/-0.395 χ^2/NDF: 289655.8/21

All: 1902.080+/-0.280 χ^2/NDF: 447943.0/44

- 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: 4631.402+/-2727.044 χ^2/NDF:6.4/5

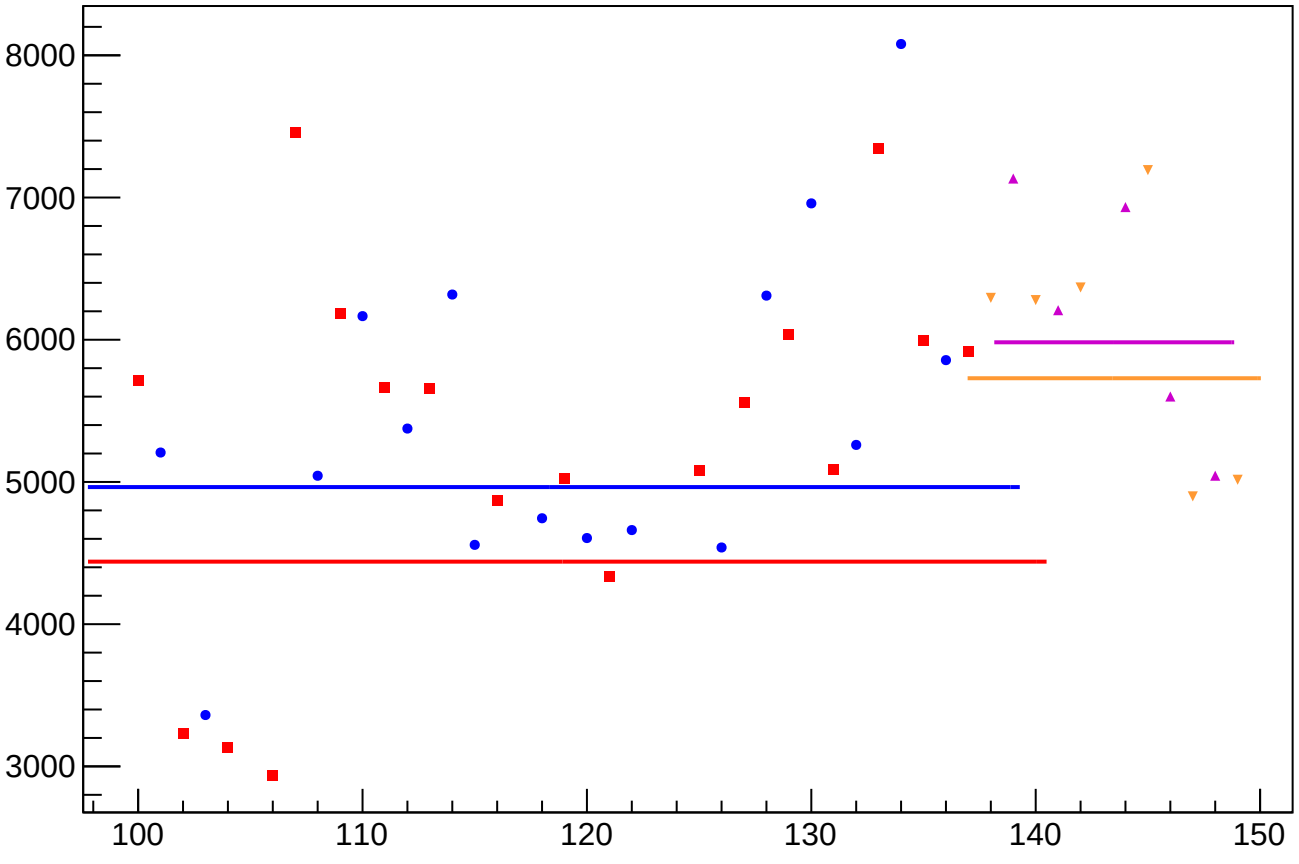
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -1437.634+/-2895.500 χ^2/NDF:1.1/4

+ sign 594.661+/-1556.718 χ^2/NDF: 24.3/21

All: -9.512+/-1070.367 χ^2/NDF: 41.6/44

- 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: 5729.289+/-1.928 χ^2/NDF:182075.1/5

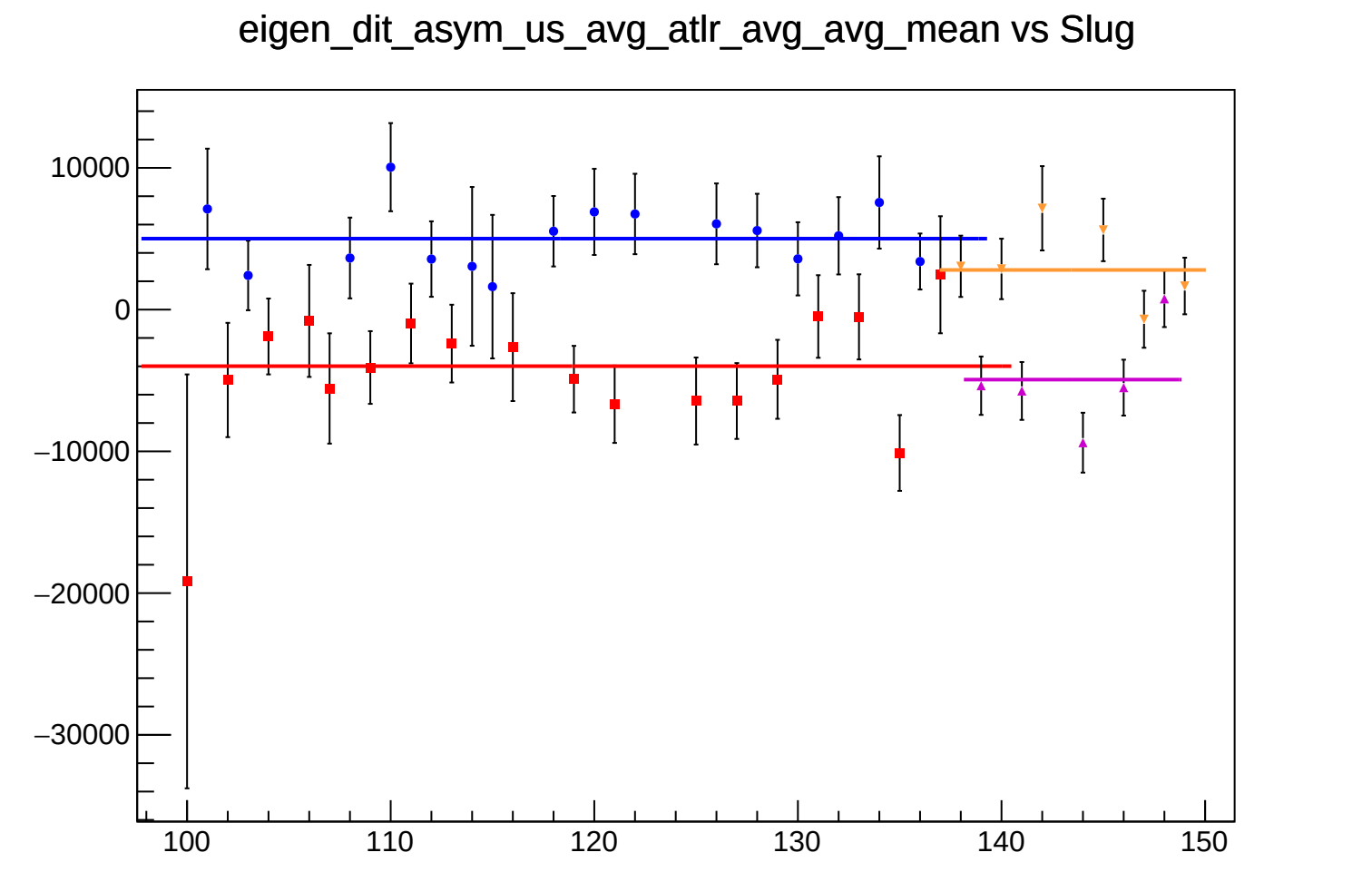
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 5981.986+/-2.047 χ^2/NDF:145931.0/4

+ sign 5213.379+/-1.101 χ^2/NDF: 915633.1/21

All: 5016.216+/-0.757 χ^2/NDF: 2701297.2/44

- 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: 2797.516+/-894.270 χ^2/NDF:7.1/5

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

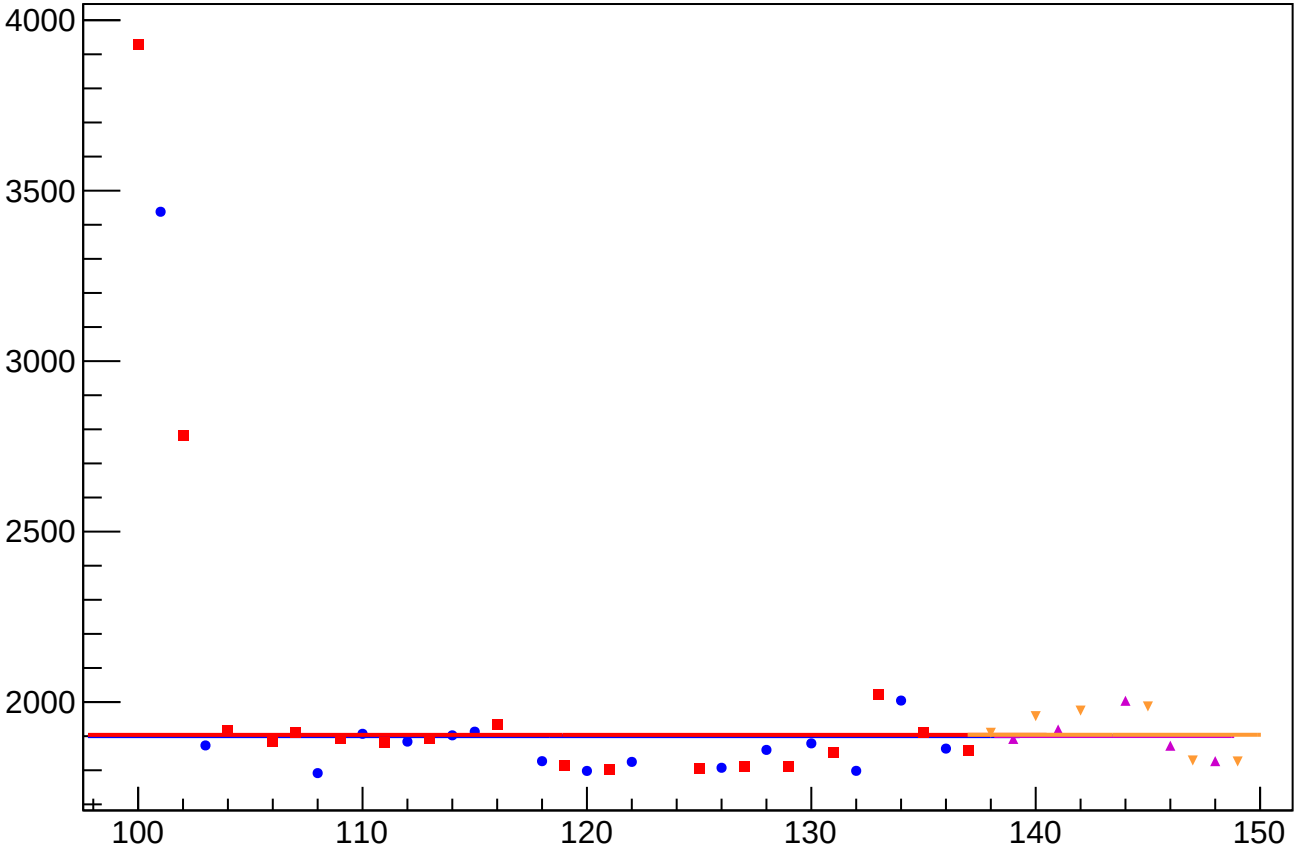
Left In: -4937.993+/-909.214 χ^2/NDF:12.9/4

+ sign 4146.946+/-558.000 χ^2/NDF: 18.5/21

All: -58.346+/-396.663 χ^2/NDF: 164.3/44

- 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: 1904.117+/-0.632 χ^2/NDF:11183.2/5

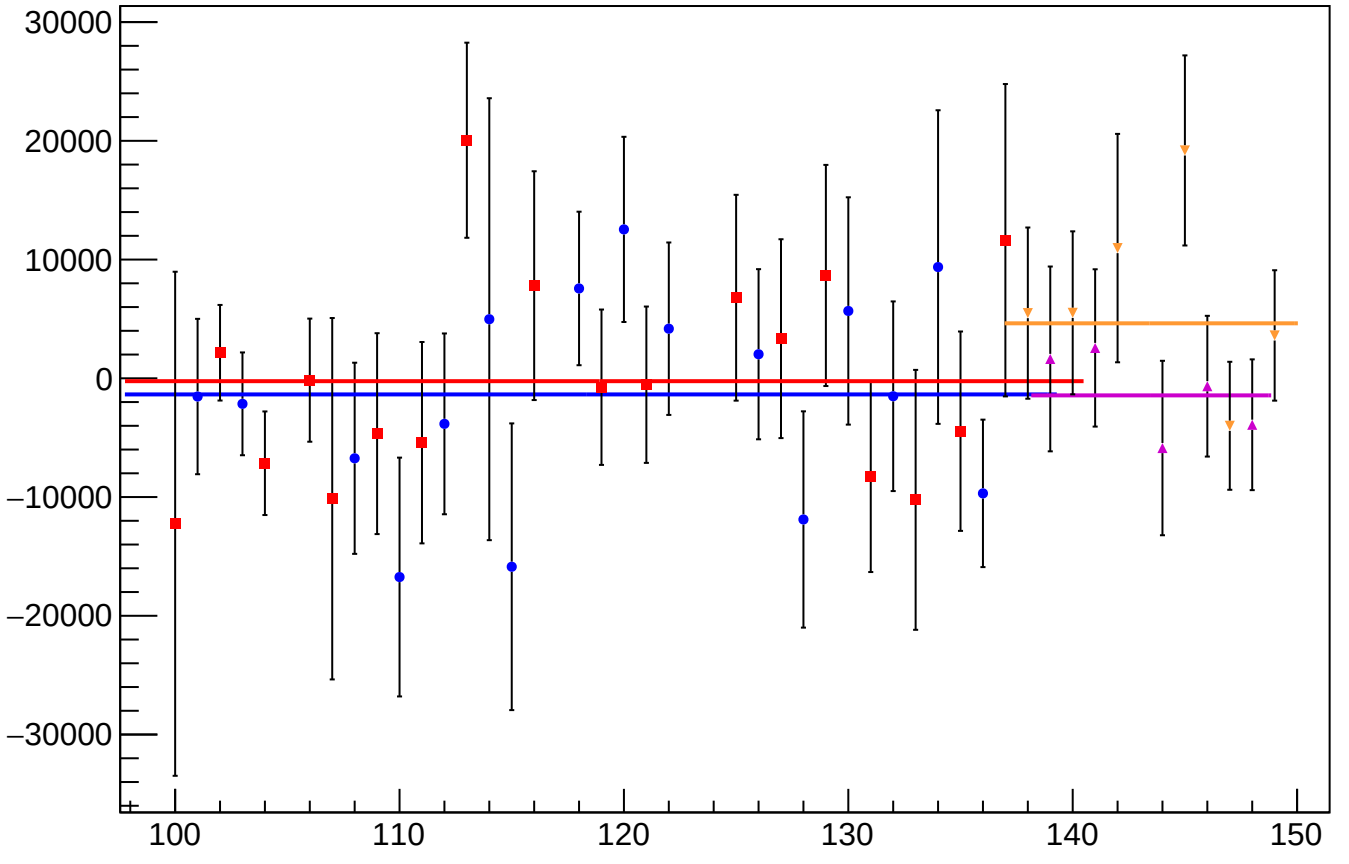
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1900.371+/-0.643 χ^2/NDF:8151.6/4

+ sign 1901.671+/-0.395 χ^2/NDF: 289656.2/21

All: 1902.080+/-0.280 χ^2/NDF: 447942.9/44

- 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: 4631.404+/-2727.048 χ^2/NDF:6.4/5

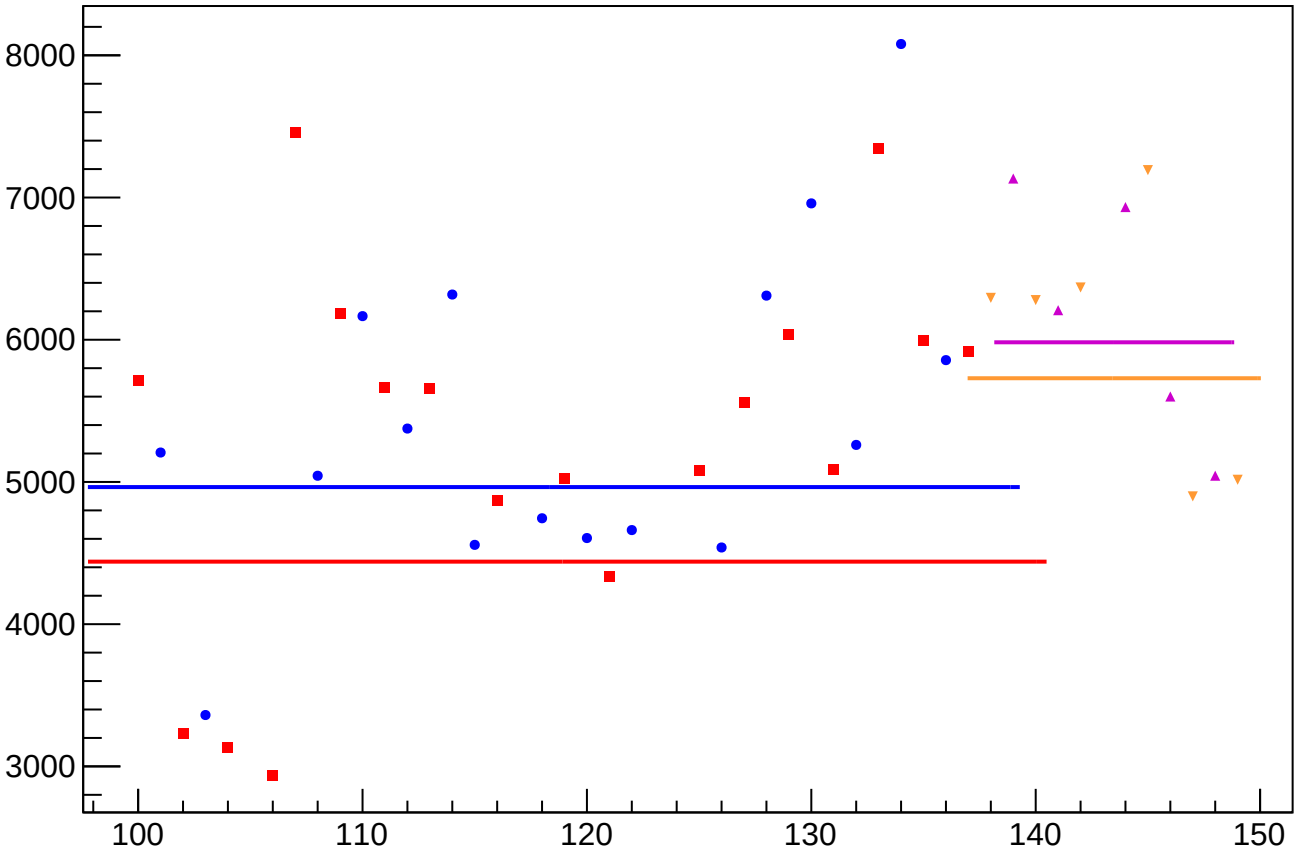
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -1437.629+/-2895.504 χ^2/NDF:1.1/4

+ sign 594.659+/-1556.716 χ^2/NDF: 24.3/21

All: -9.512+/-1070.365 χ^2/NDF: 41.6/44

- 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: 5729.297+/-1.928 χ^2/NDF:182076.5/5

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

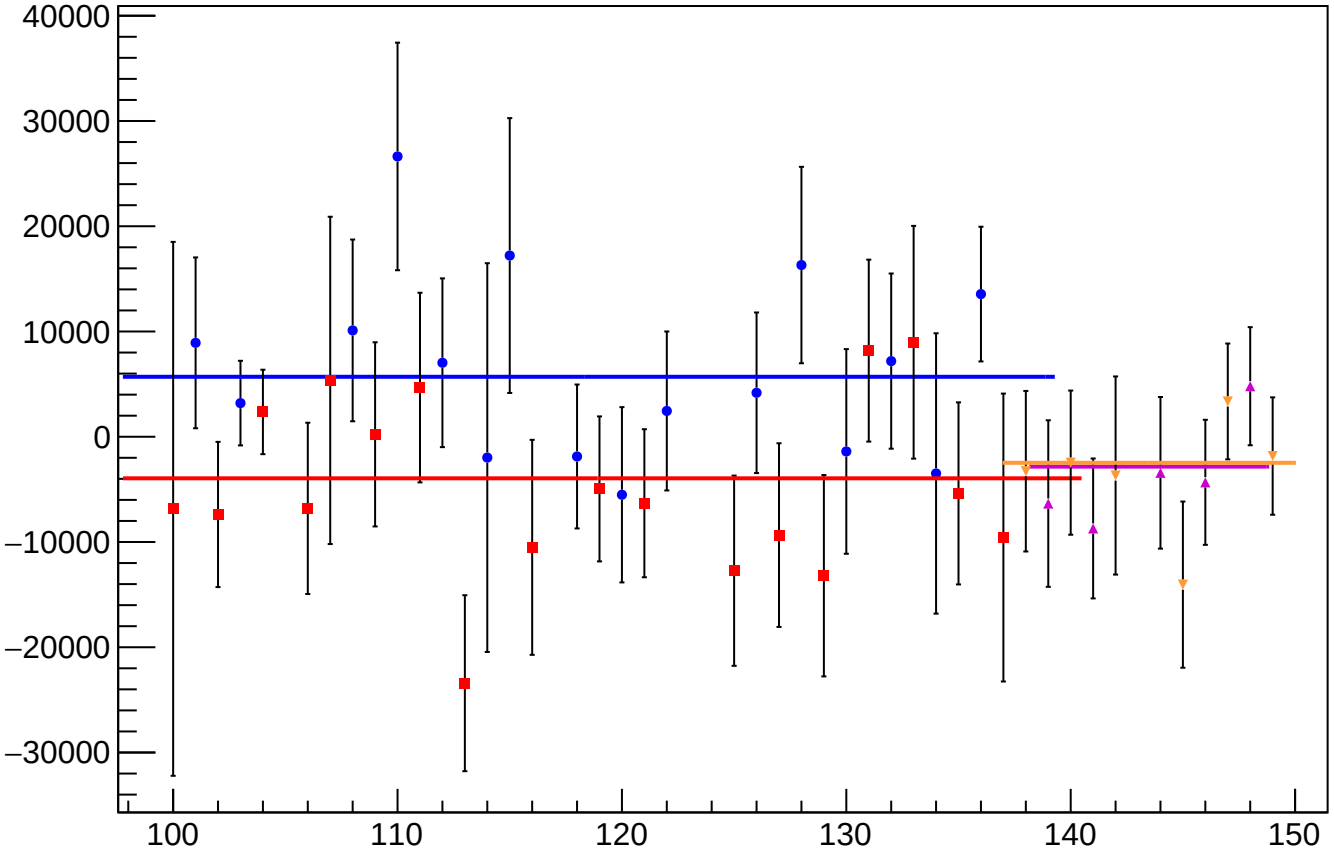
Left In: 5981.995+/-2.047 χ^2/NDF:145931.8/4

+ sign 5213.371+/-1.101 χ^2/NDF: 915642.8/21

All: 5016.208+/-0.757 χ^2/NDF: 2701318.4/44

- 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: -2473.054+/-2762.750 χ^2/NDF:3.3/5

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

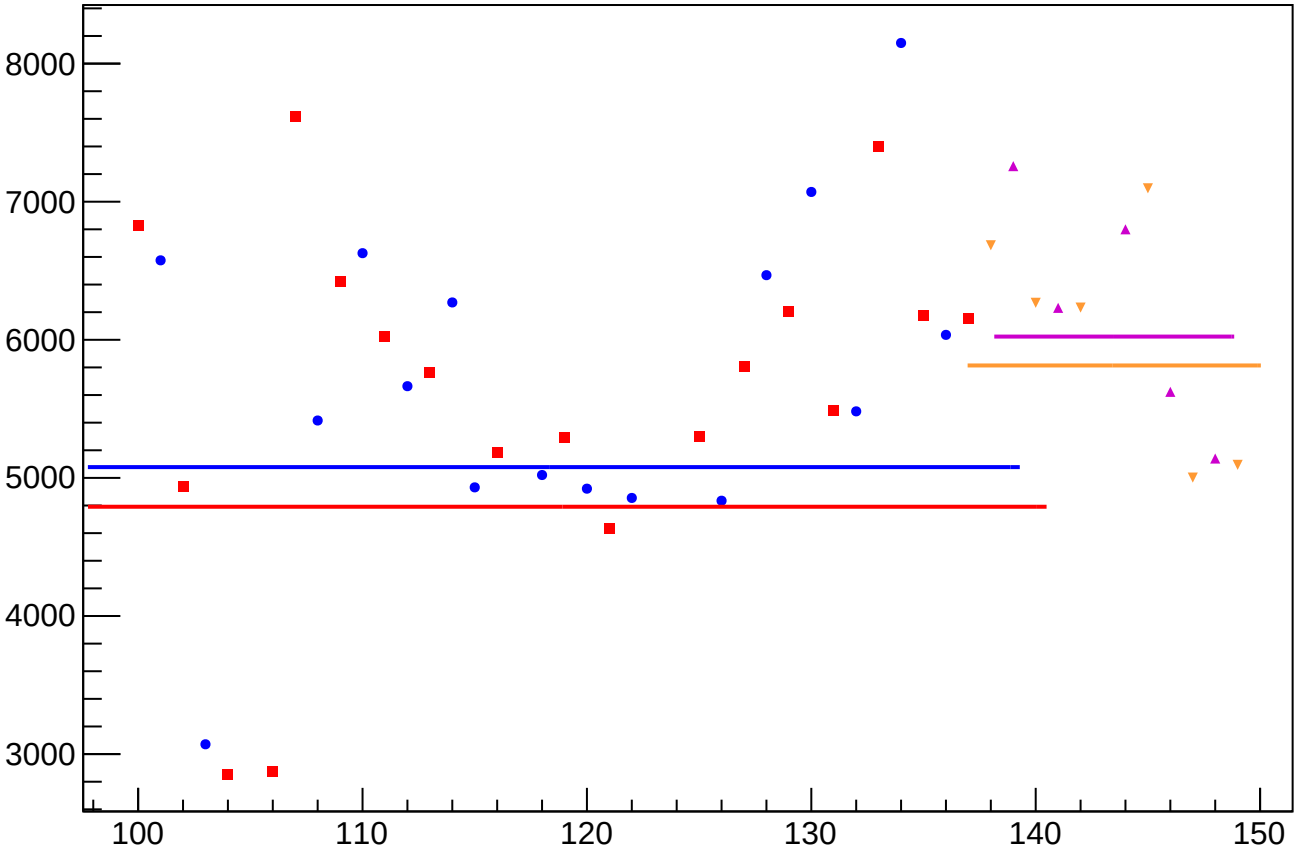
Left In: -2837.479+/-2911.301 χ^2/NDF:2.9/4

+ sign 2963.289+/-1598.148 χ^2/NDF: 21.8/21

All: -314.177+/-1131.828 χ^2/NDF: 49.3/44

- 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: 5814.183+/-1.954 χ^2/NDF:168433.6/5

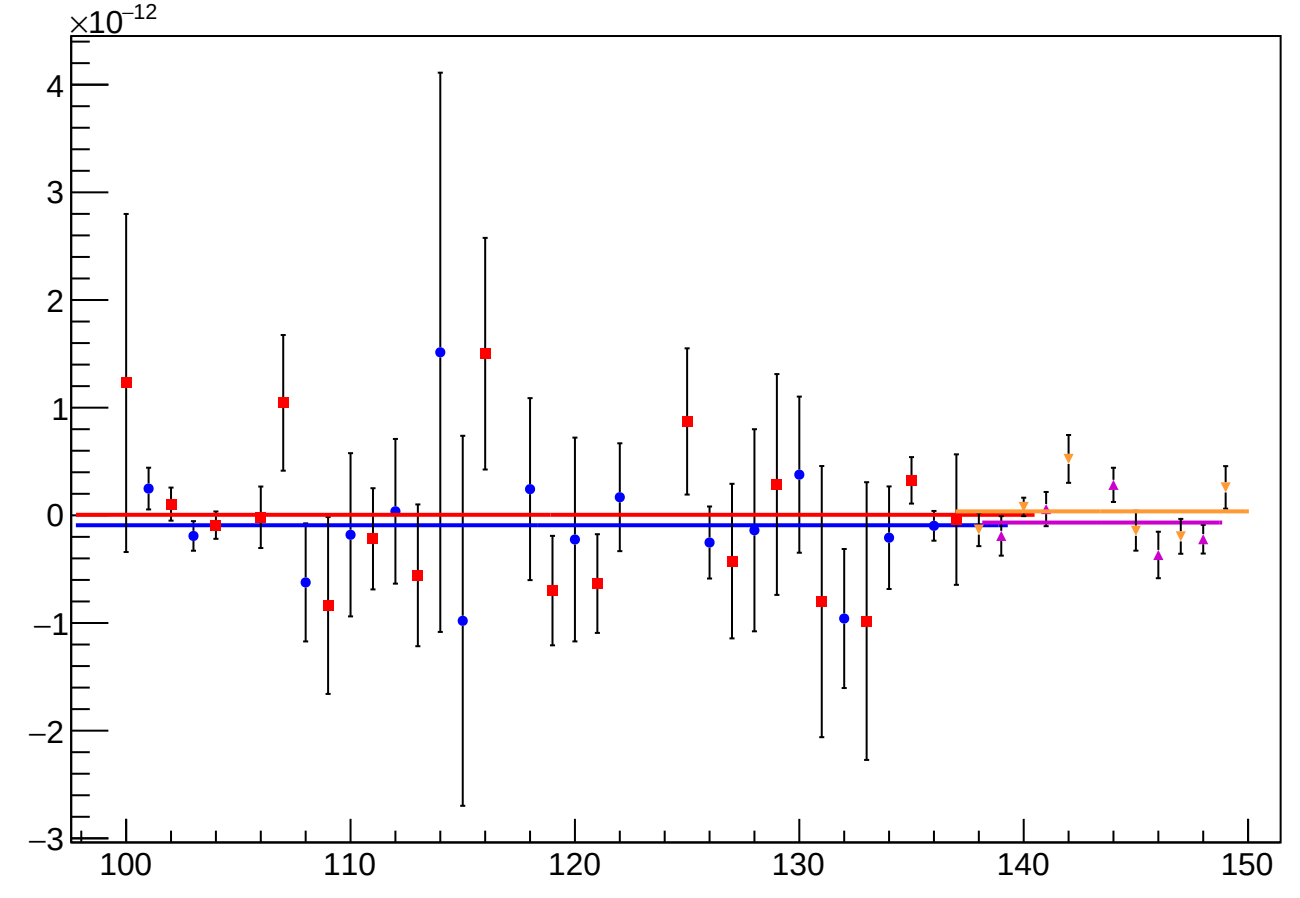
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6023.381+/-2.059 χ^2/NDF:132489.1/4

+ sign 5324.440+/-1.130 χ^2/NDF: 1182094.5/21

All: 5238.423+/-0.795 χ^2/NDF: 2741200.7/44

- sign 5154.299+/-1.118 χ^2/NDF: 1547645.9/22



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/5

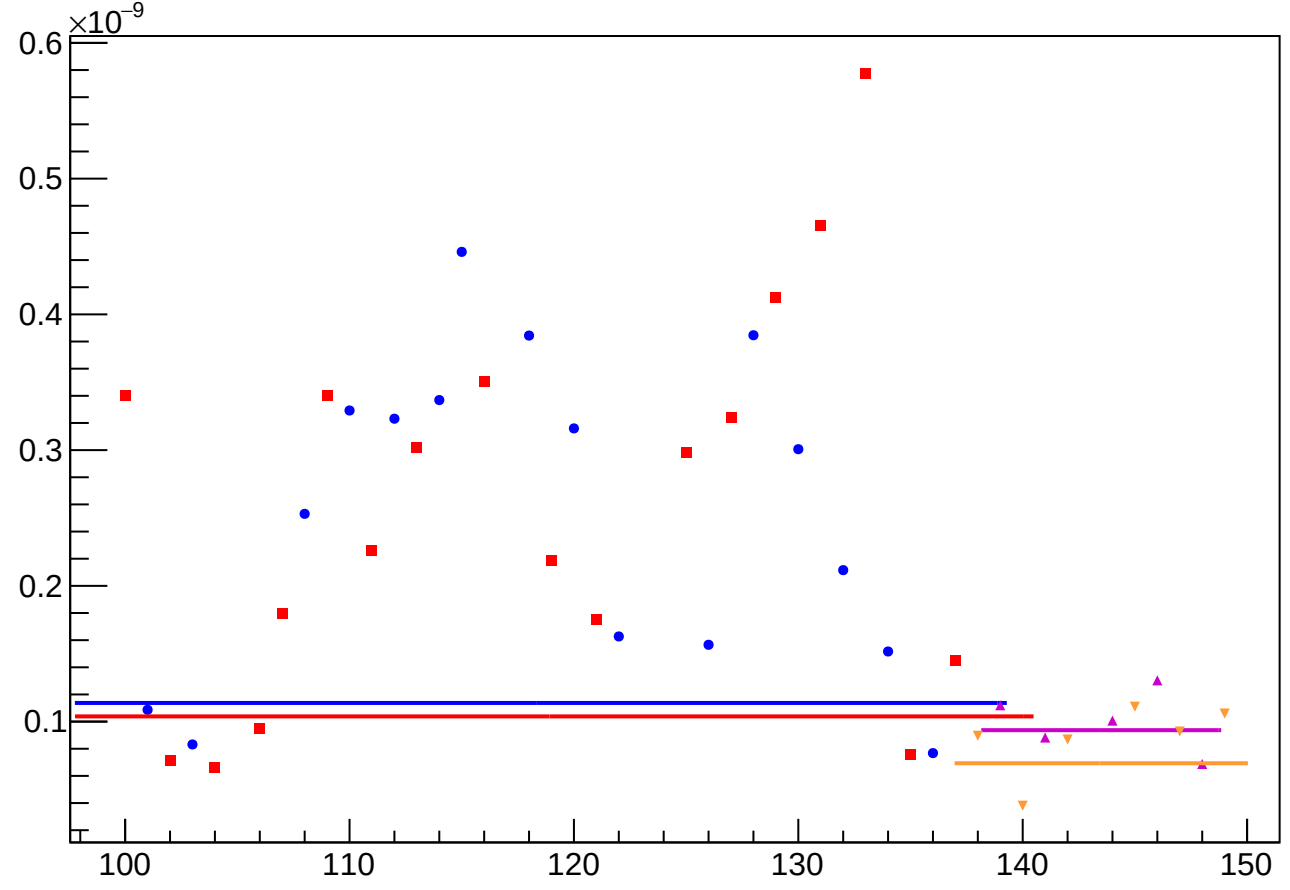
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:9.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 20.5/21

All: -0.000+/-0.000 χ^2/NDF: 47.6/44

- sign -0.000+/-0.000 χ^2/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:524560.3/5

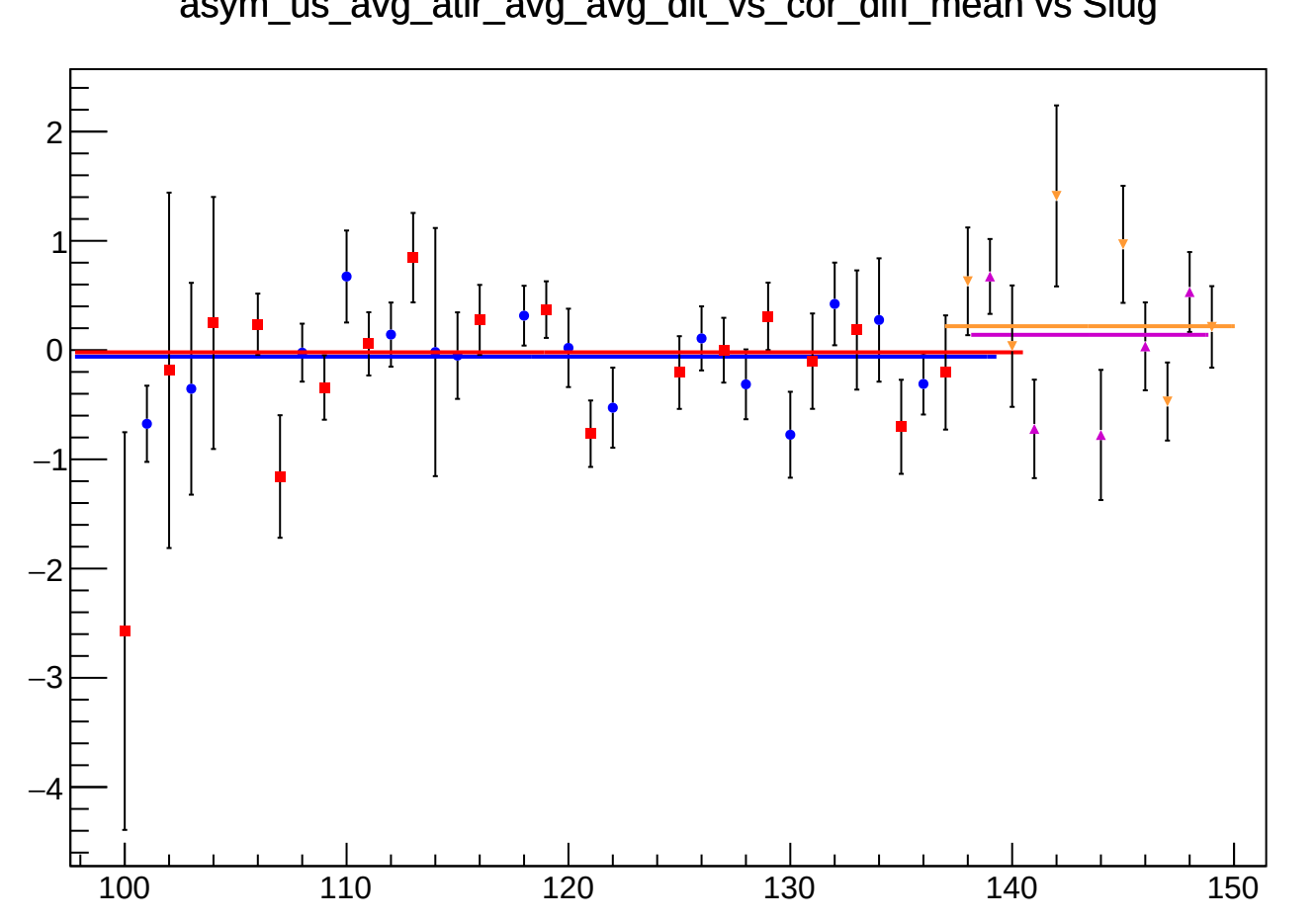
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:153741.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 2465504.9/21

All: 0.000+/-0.000 χ^2/NDF: 4793511.2/44

- 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: 0.218+/-0.191 χ^2/NDF:8.6/5

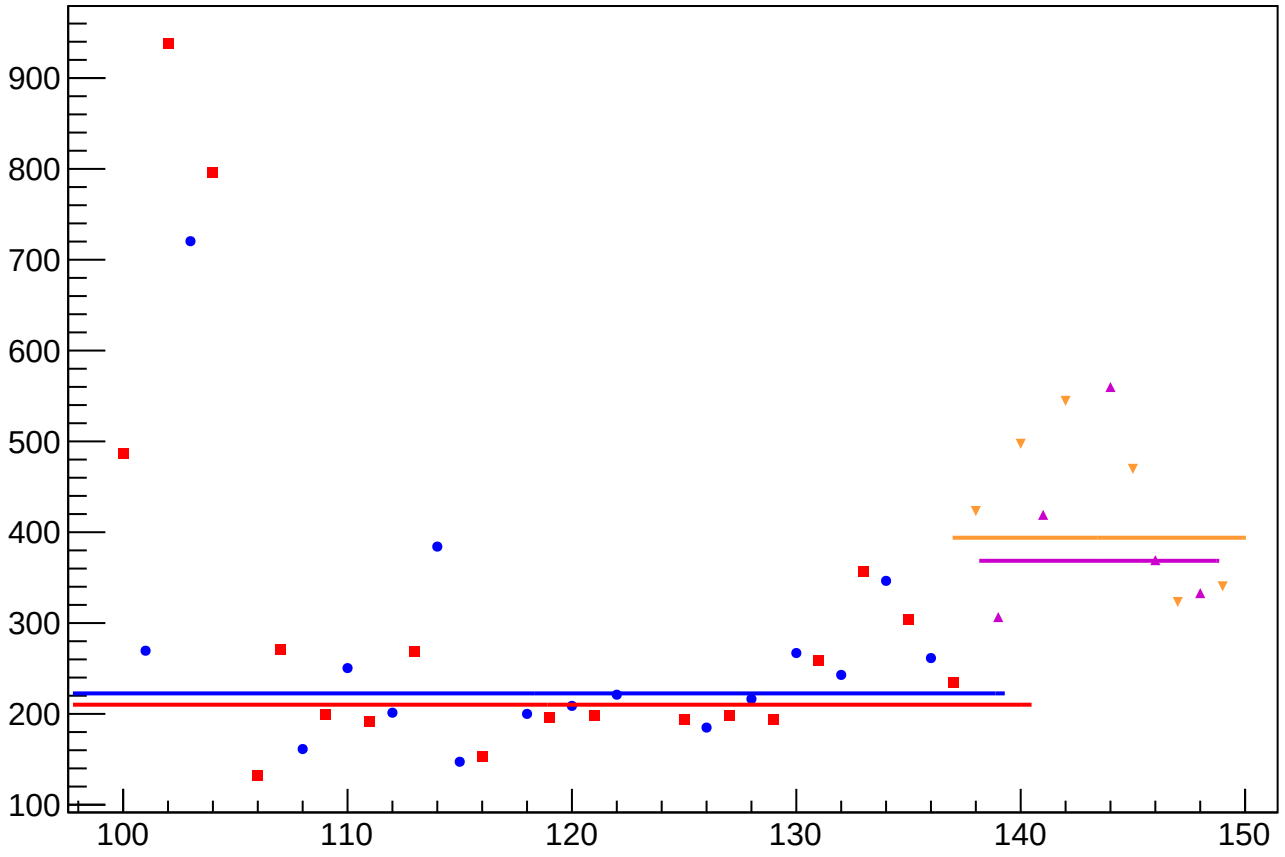
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.140+/-0.183 χ^2/NDF:9.7/4

+ sign -0.011+/-0.080 χ^2/NDF: 27.6/21

All: -0.001+/-0.056 χ^2/NDF: 64.1/44

- 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: 393.958+/-0.135 χ^2/NDF:302136.8/5

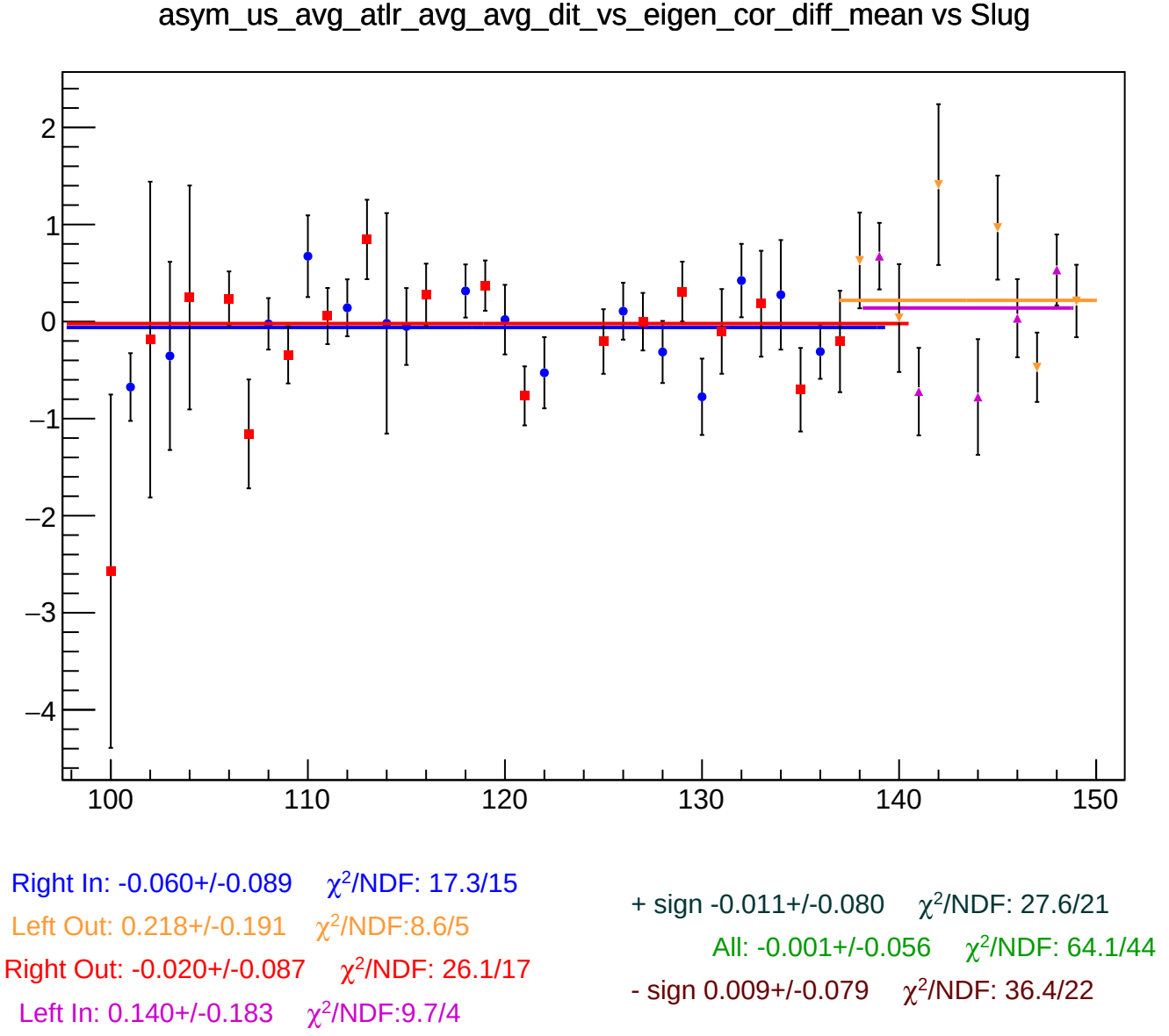
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 368.560+/-0.129 χ^2/NDF:315635.8/4

+ sign 252.858+/-0.057 χ^2/NDF: 2641797.4/21

All: 246.099+/-0.040 χ^2/NDF: 5755657.1/44

- 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
2
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−3
−4
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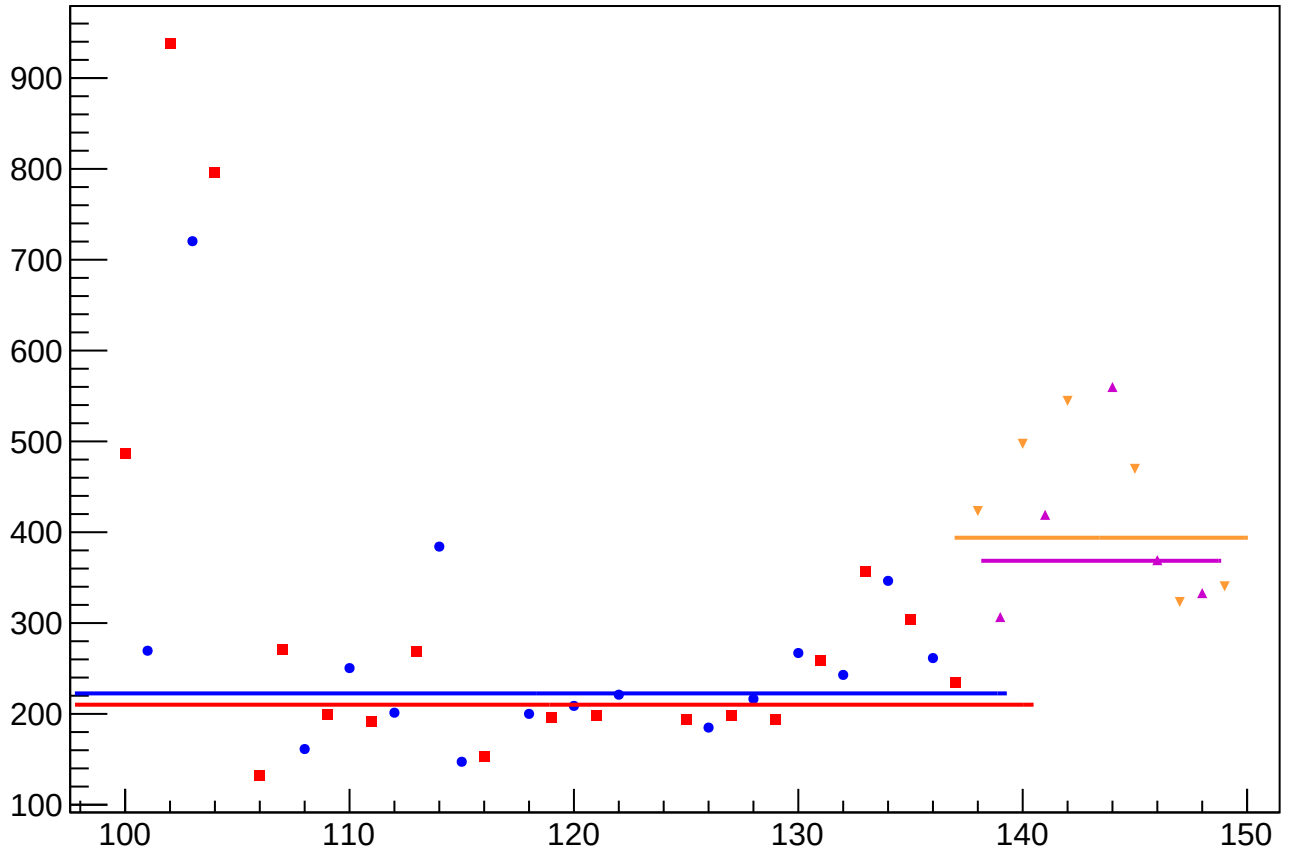
120
130
140
150
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.218+/-0.191 χ²/NDF:8.6/5
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.140+/-0.183 χ²/NDF:9.7/4
+ sign -0.011+/-0.080 χ²/NDF: 27.6/21
All: -0.001+/-0.056 χ²/NDF: 64.1/44
- sign 0.009+/-0.079 χ²/NDF: 36.4/22



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.958+/-0.135 χ^2/NDF:302136.8/5

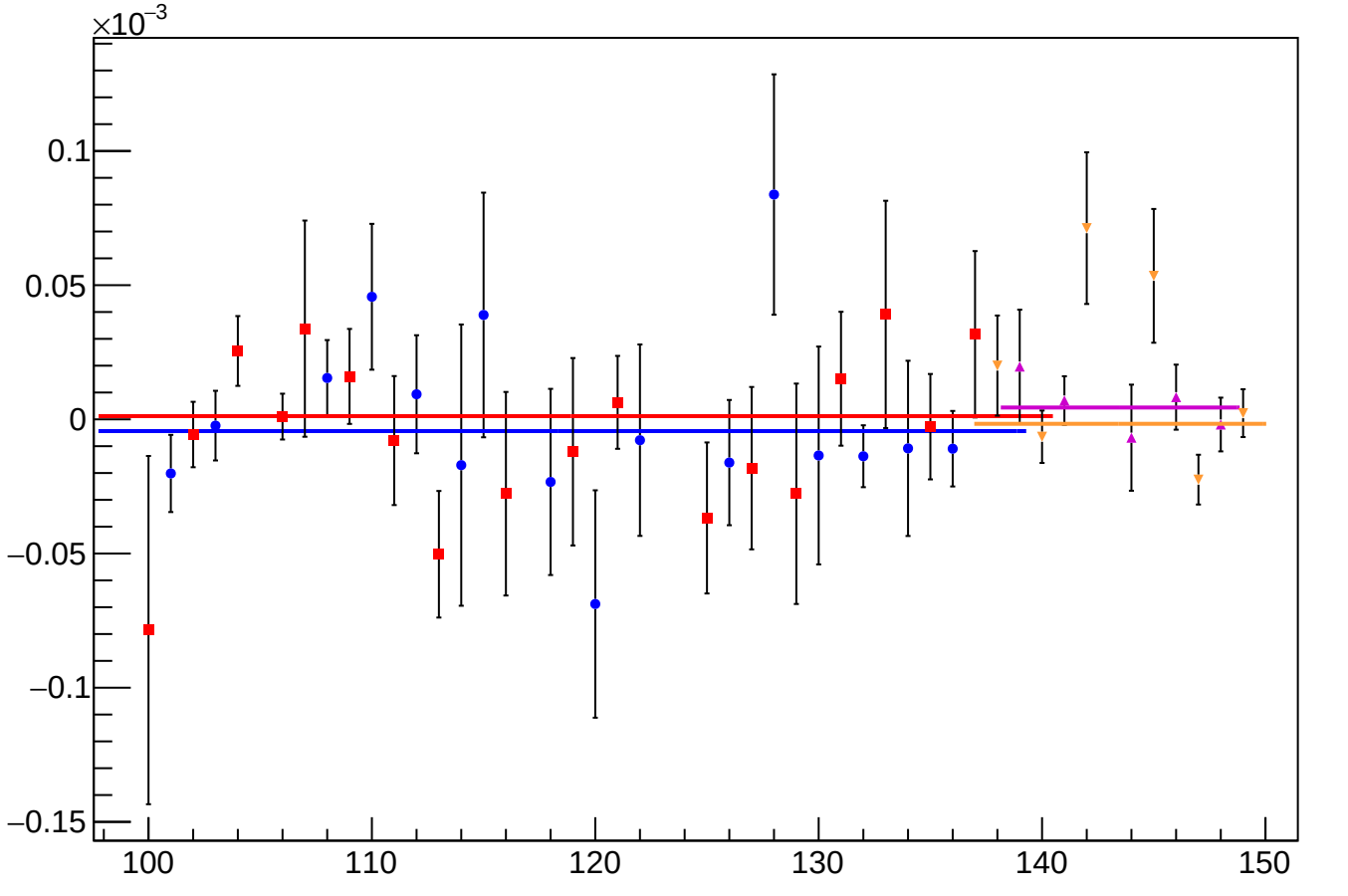
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 368.560+/-0.129 χ^2/NDF:315635.8/4

+ sign 252.858+/-0.057 χ^2/NDF: 2641797.4/21

All: 246.099+/-0.040 χ^2/NDF: 5755657.1/44

- 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:18.4/5

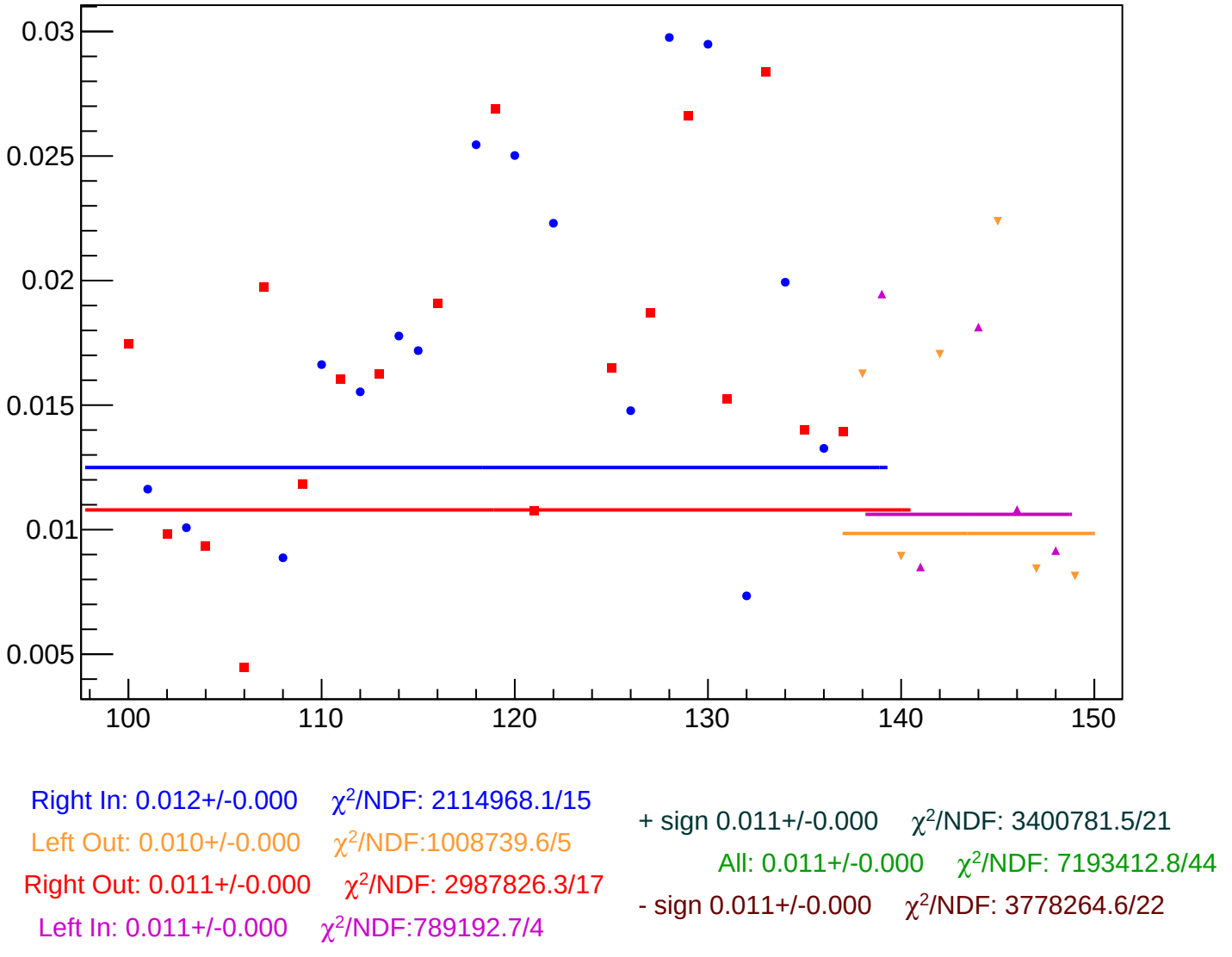
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 34.2/21

All: -0.000+/-0.000 χ^2/NDF: 54.3/44

- sign 0.000+/-0.000 χ^2/NDF: 18.9/22


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
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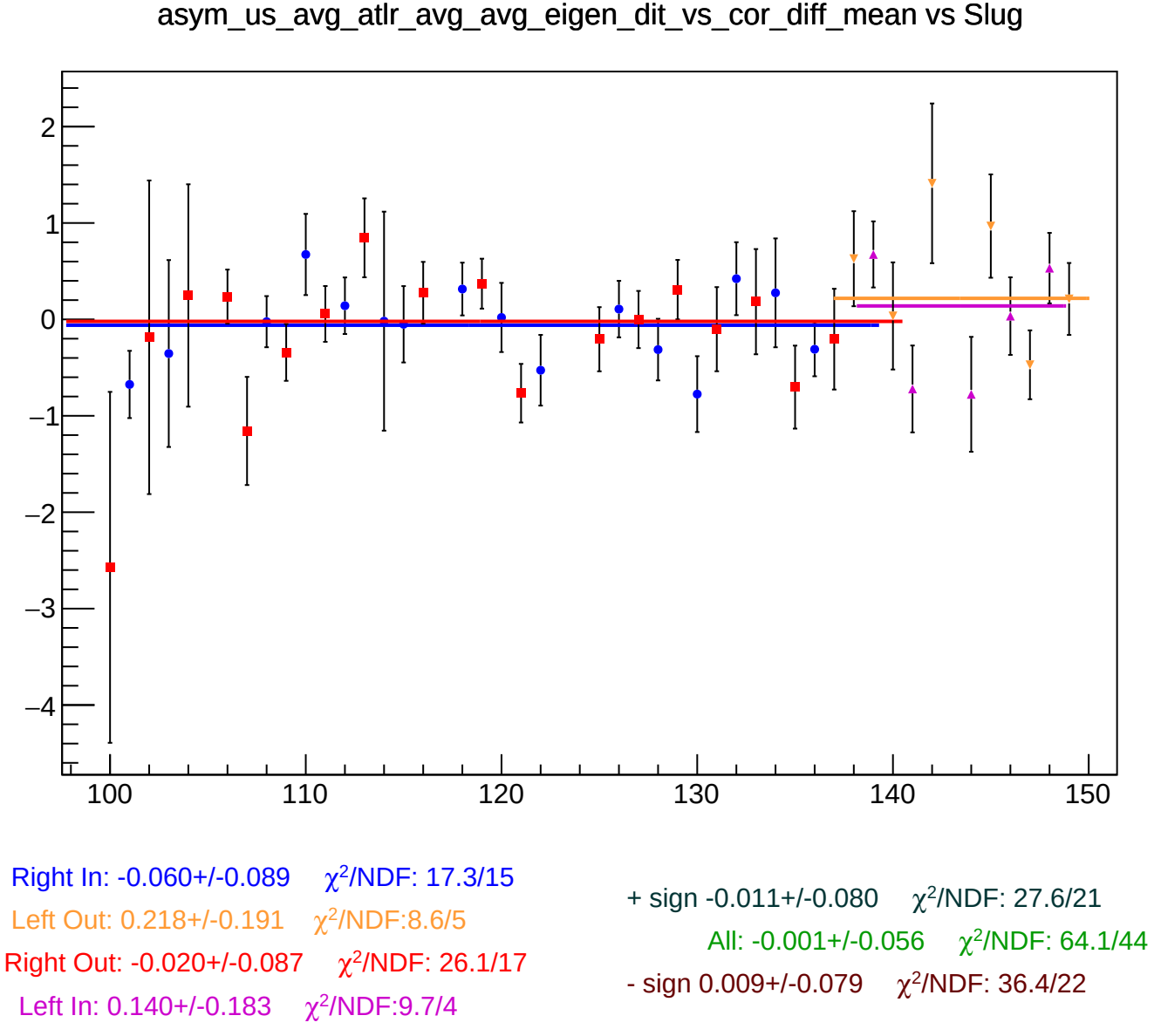
Right In: 0.012+/-0.000 χ²/NDF: 2114968.1/15
Left Out: 0.010+/-0.000 χ²/NDF:1008739.6/5
Right Out: 0.011+/-0.000 χ²/NDF: 2987826.3/17
Left In: 0.011+/-0.000 χ²/NDF:789192.7/4
+ sign 0.011+/-0.000 χ²/NDF: 3400781.5/21
All: 0.011+/-0.000 χ²/NDF: 7193412.8/44
- sign 0.011+/-0.000 χ²/NDF: 3778264.6/22


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
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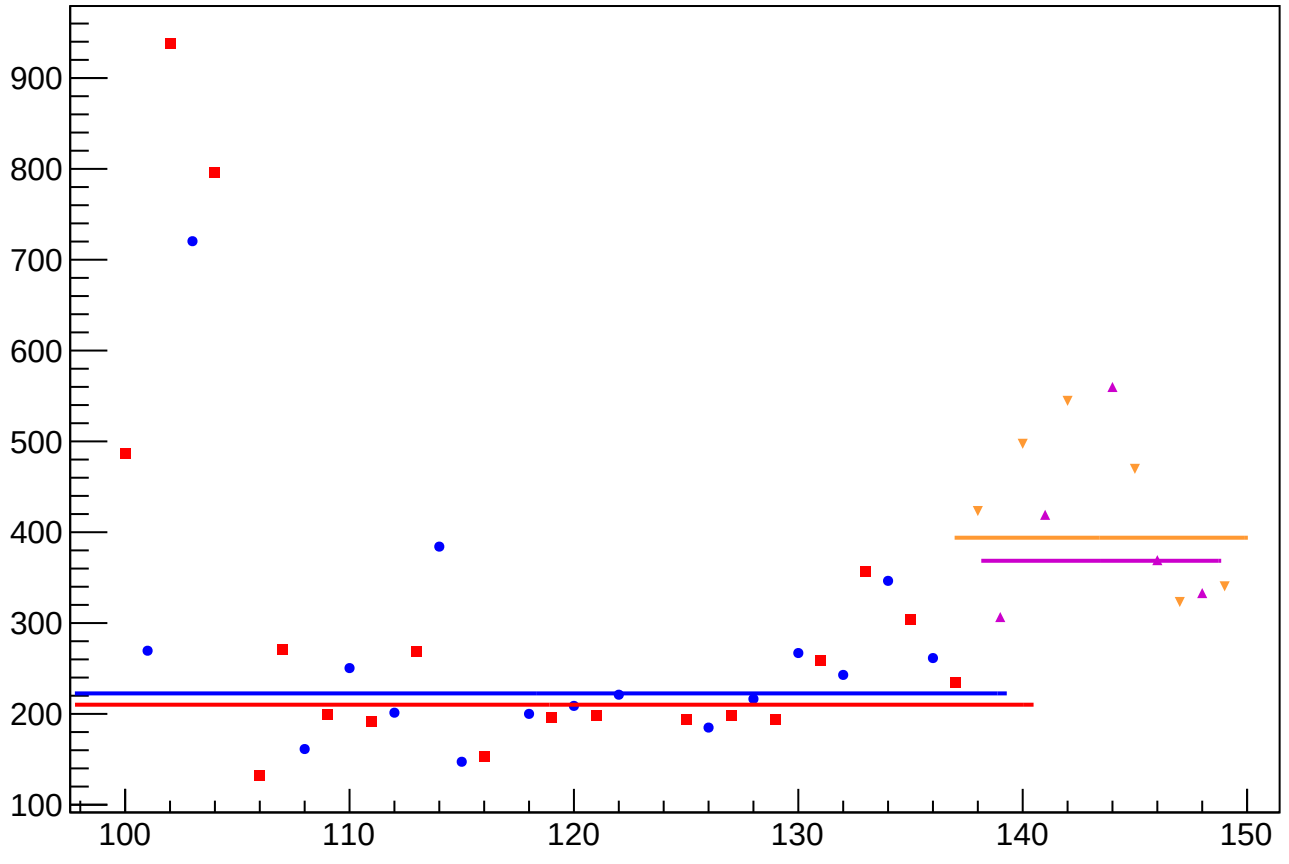
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.218+/-0.191 χ²/NDF:8.6/5
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.140+/-0.183 χ²/NDF:9.7/4
+ sign -0.011+/-0.080 χ²/NDF: 27.6/21
All: -0.001+/-0.056 χ²/NDF: 64.1/44
- sign 0.009+/-0.079 χ²/NDF: 36.4/22



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 393.963+/-0.135 χ^2/NDF:302136.9/5

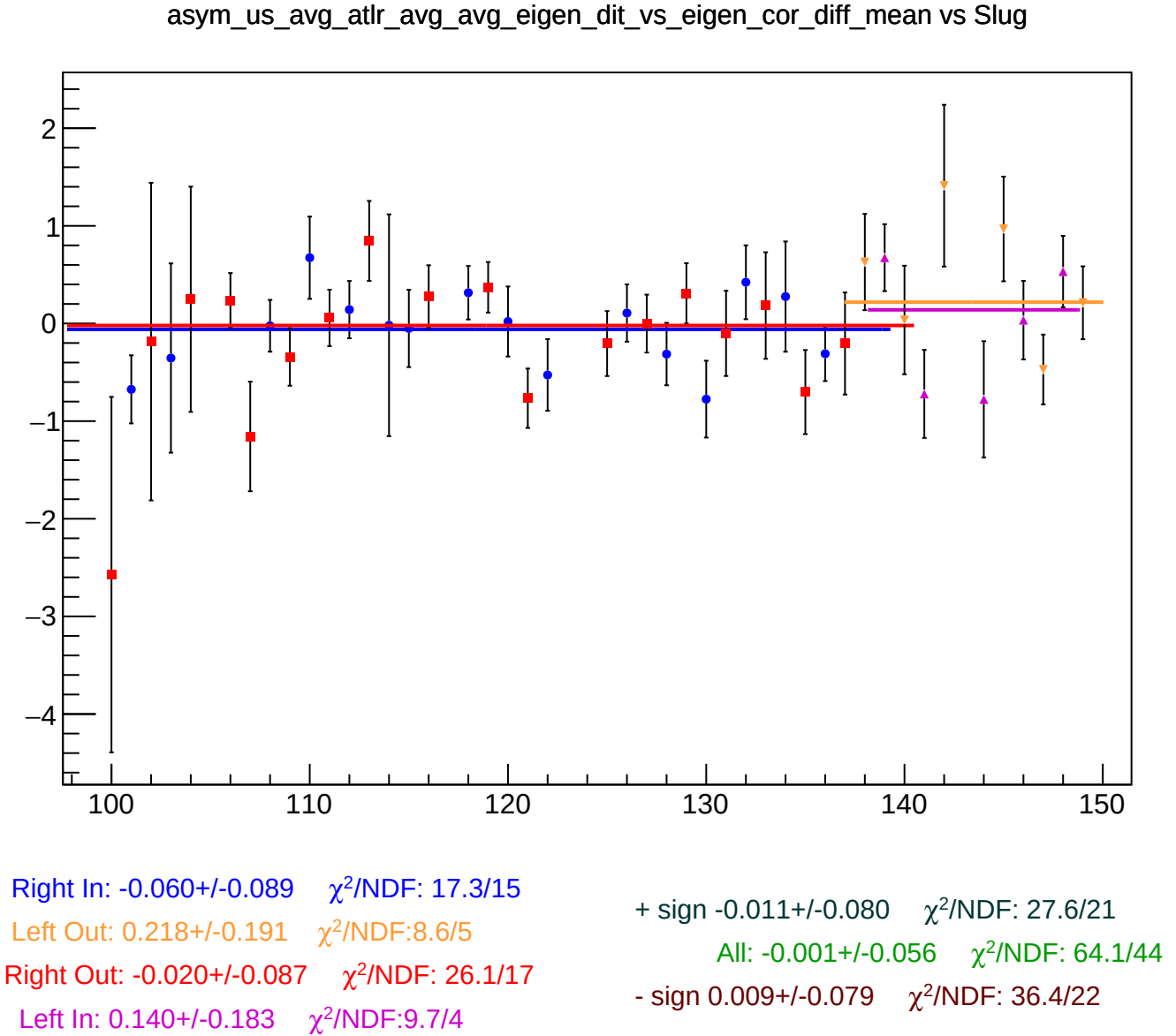
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 368.565+/-0.129 χ^2/NDF:315626.7/4

+ sign 252.856+/-0.057 χ^2/NDF: 2641856.5/21

All: 246.097+/-0.040 χ^2/NDF: 5755793.9/44

- 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
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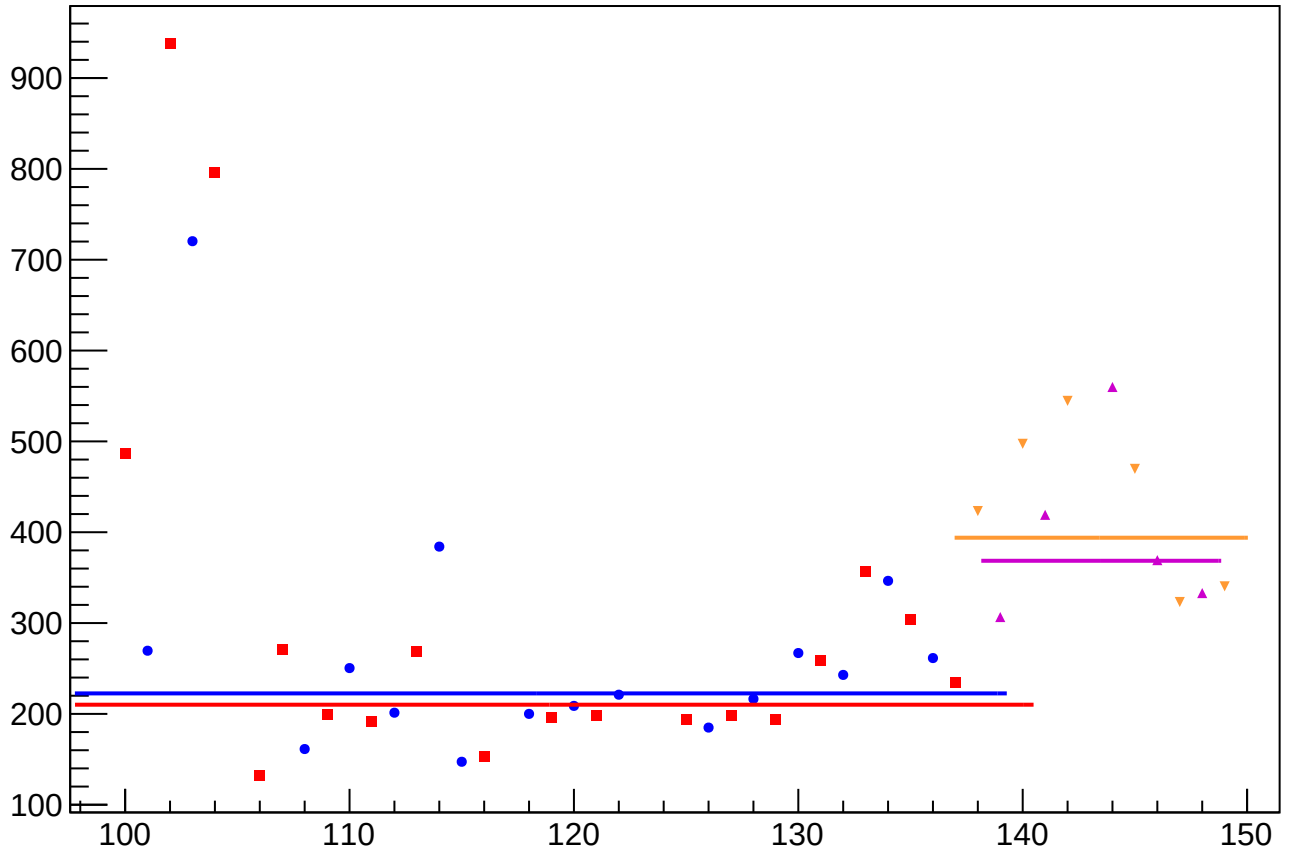
140
150
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.218+/-0.191 χ²/NDF:8.6/5
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.140+/-0.183 χ²/NDF:9.7/4
+ sign -0.011+/-0.080 χ²/NDF: 27.6/21
All: -0.001+/-0.056 χ²/NDF: 64.1/44
- sign 0.009+/-0.079 χ²/NDF: 36.4/22



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 393.963+/-0.135 χ^2/NDF:302136.9/5

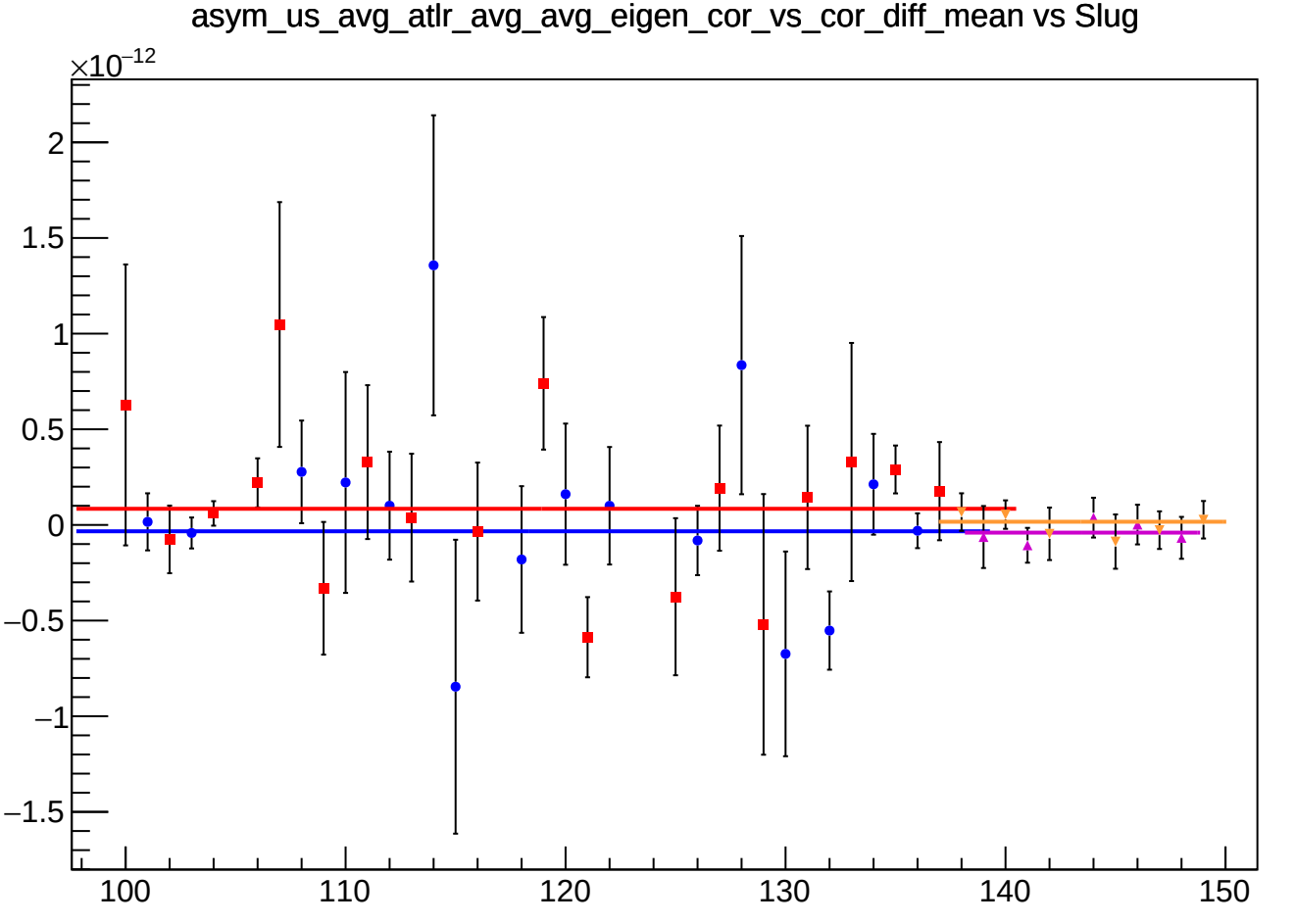
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 368.565+/-0.129 χ^2/NDF:315626.7/4

+ sign 252.856+/-0.057 χ^2/NDF: 2641856.5/21

All: 246.097+/-0.040 χ^2/NDF: 5755793.9/44

- 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:1.5/5

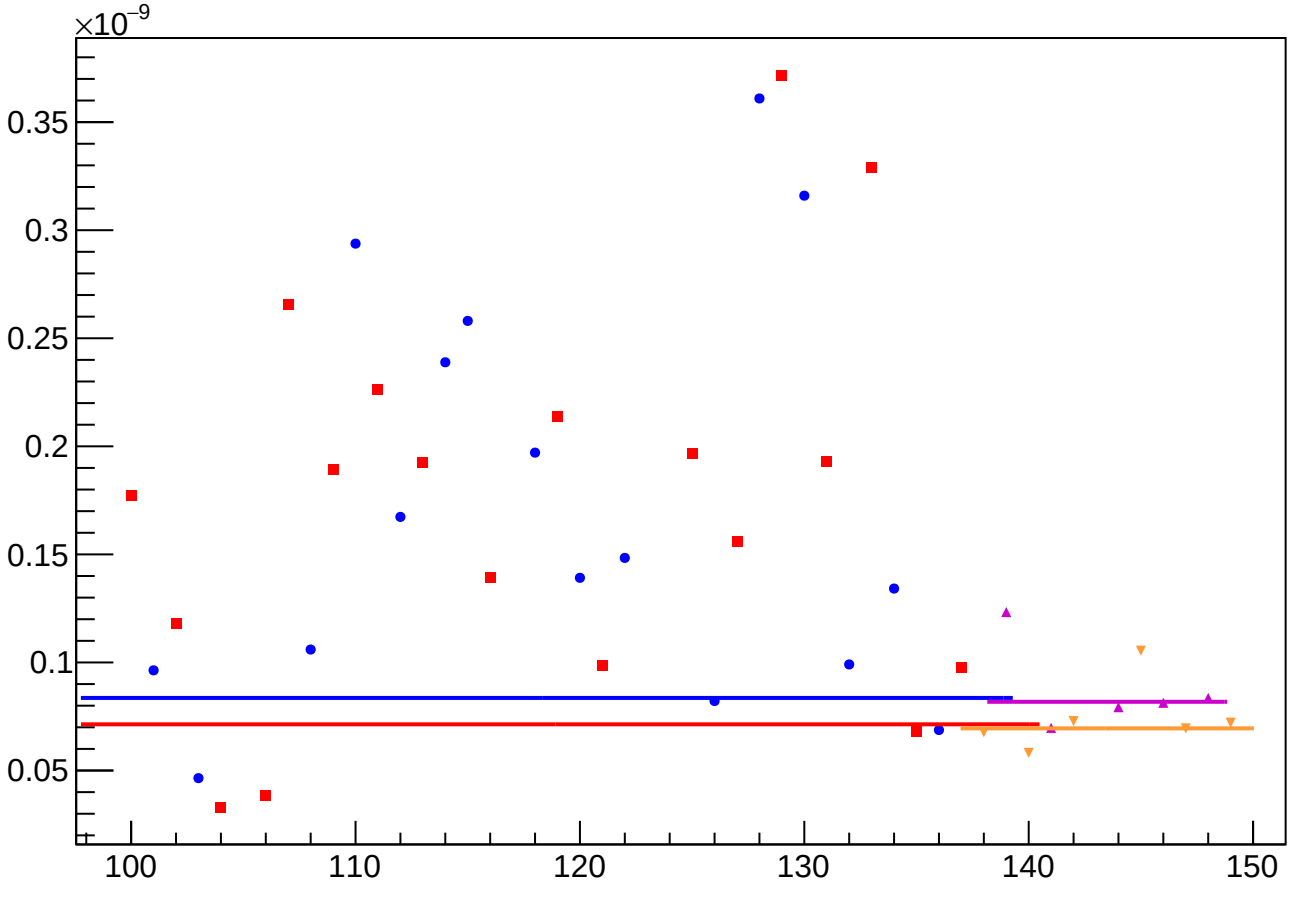
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 19.3/21

All: 0.000+/-0.000 χ^2/NDF: 50.6/44

- sign 0.000+/-0.000 χ^2/NDF: 30.8/22



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:177998.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

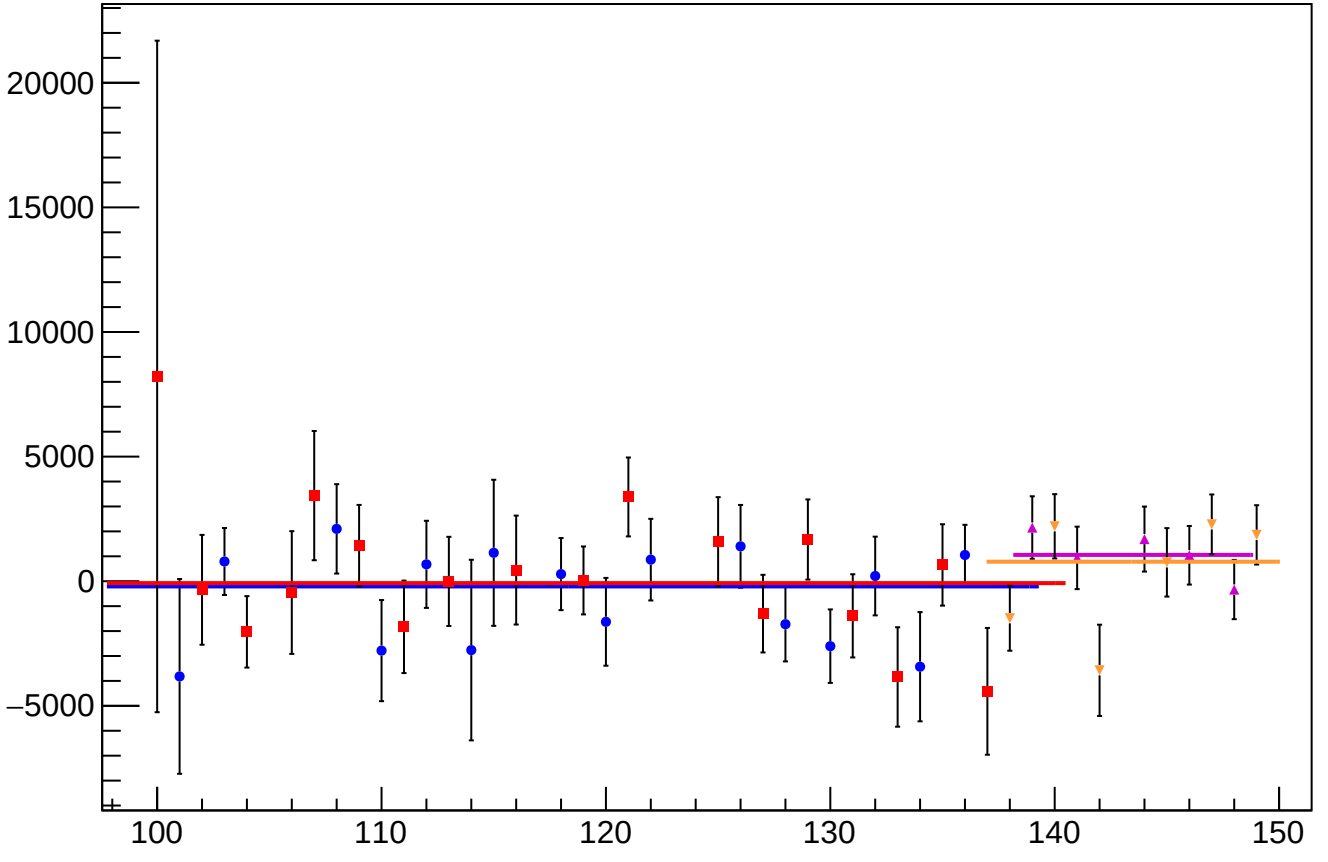
Left In: 0.000+/-0.000 χ^2/NDF:168191.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 2515161.5/21

All: 0.000+/-0.000 χ^2/NDF: 6479355.0/44

- sign 0.000+/-0.000 χ^2/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: 783.570+/-540.891 χ^2/NDF:12.3/5

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

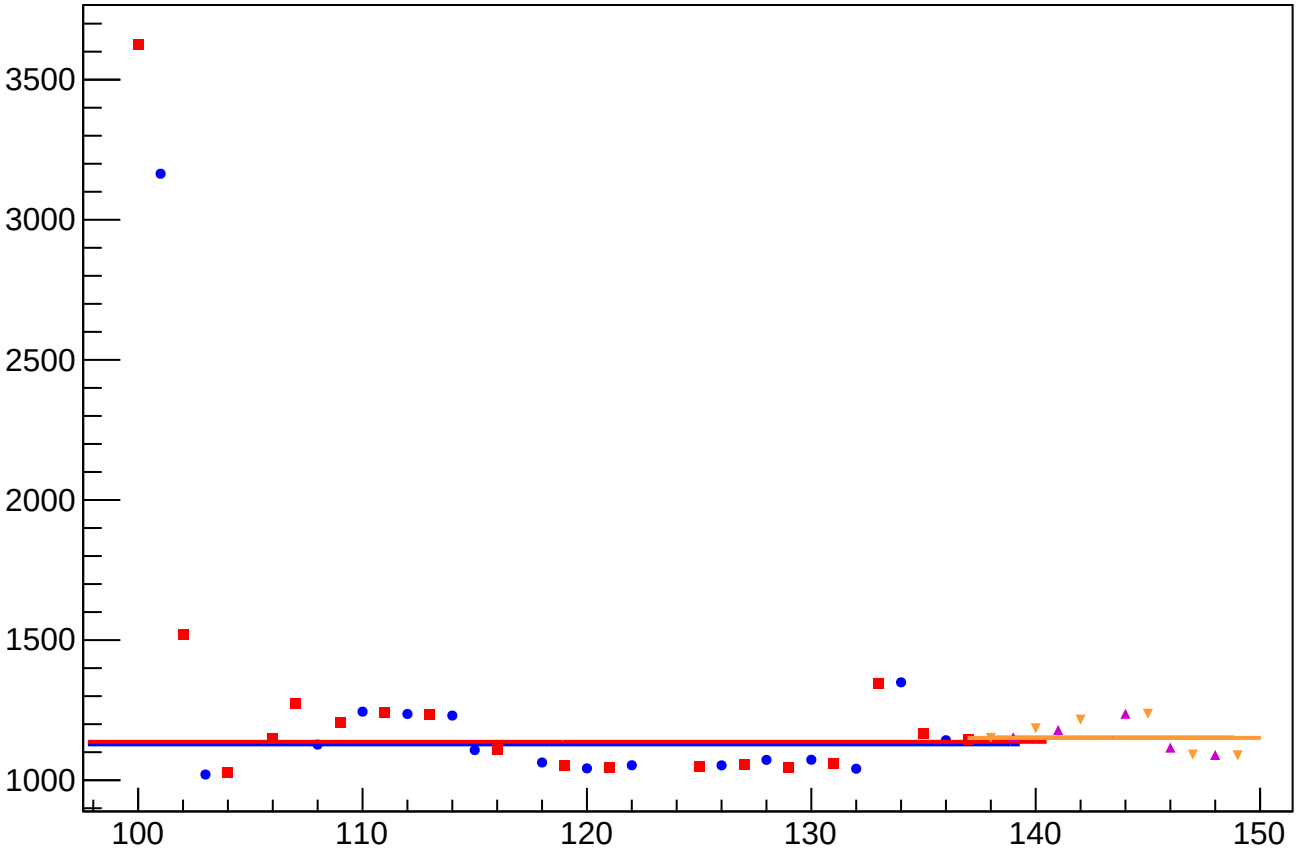
Left In: 1056.222+/-551.221 χ^2/NDF:2.4/4

+ sign 174.857+/-336.189 χ^2/NDF: 29.1/21

All: 263.335+/-238.854 χ^2/NDF: 54.9/44

- 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: 1151.002+/-0.382 χ^2/NDF:22168.4/5

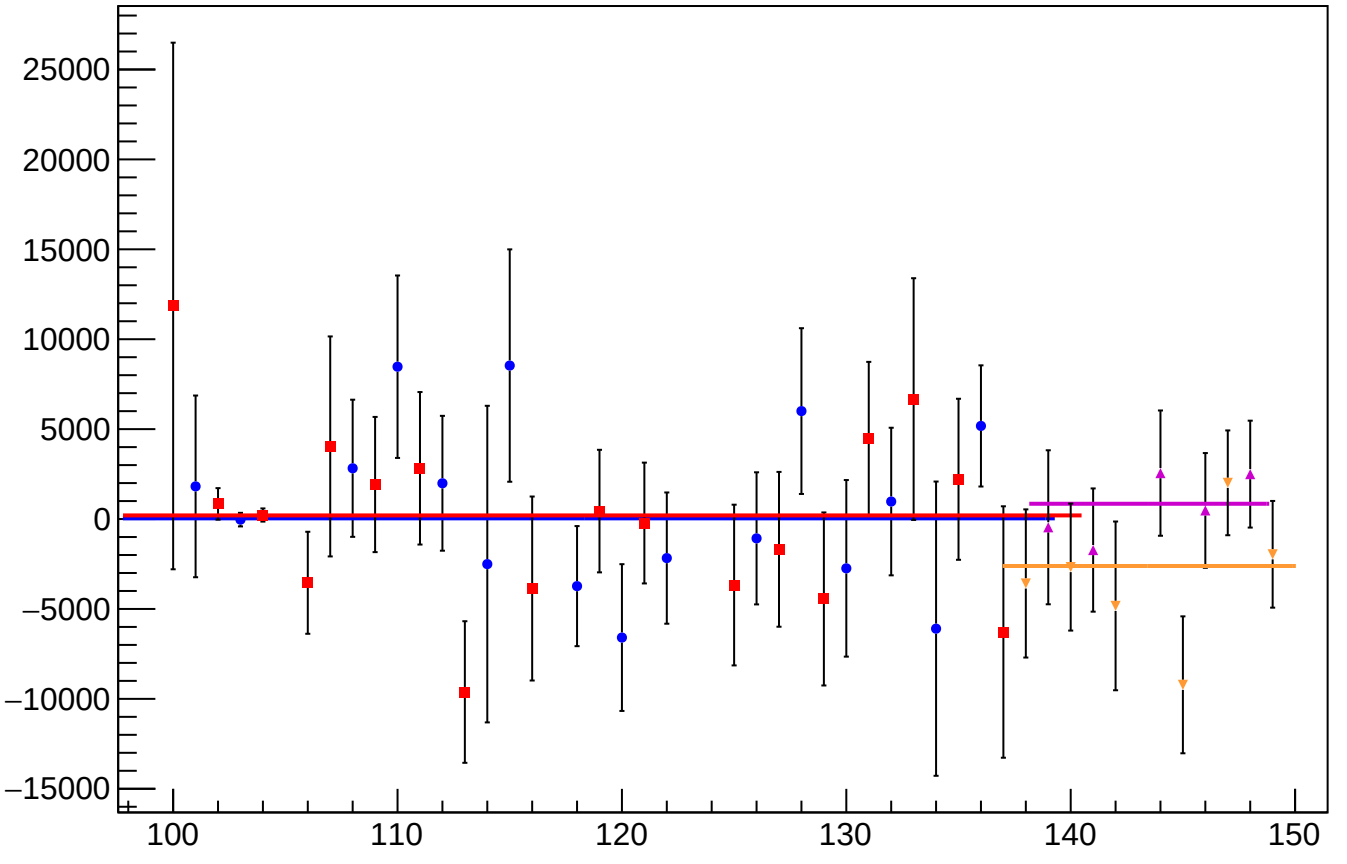
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1151.714+/-0.390 χ^2/NDF:16774.9/4

+ sign 1136.891+/-0.238 χ^2/NDF: 645781.0/21

All: 1139.717+/-0.169 χ^2/NDF: 883808.2/44

- 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: -2611.359+/-1436.162 χ^2/NDF:5.9/5

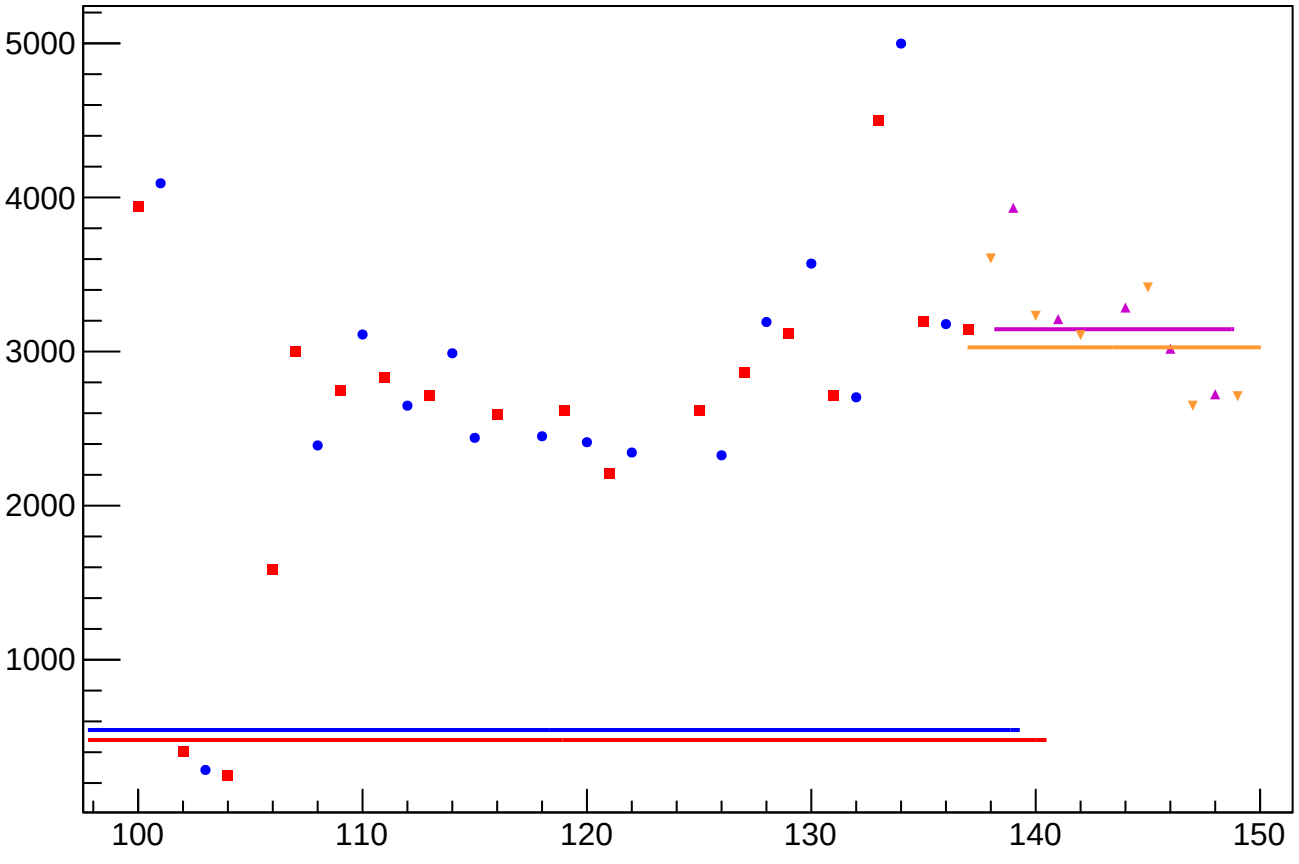
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 849.877+/-1518.736 χ^2/NDF:1.2/4

+ sign -116.429+/-347.052 χ^2/NDF: 23.9/21

All: 73.032+/-233.455 χ^2/NDF: 41.5/44

- 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: 3027.451+/-1.016 χ^2/NDF:124034.4/5

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

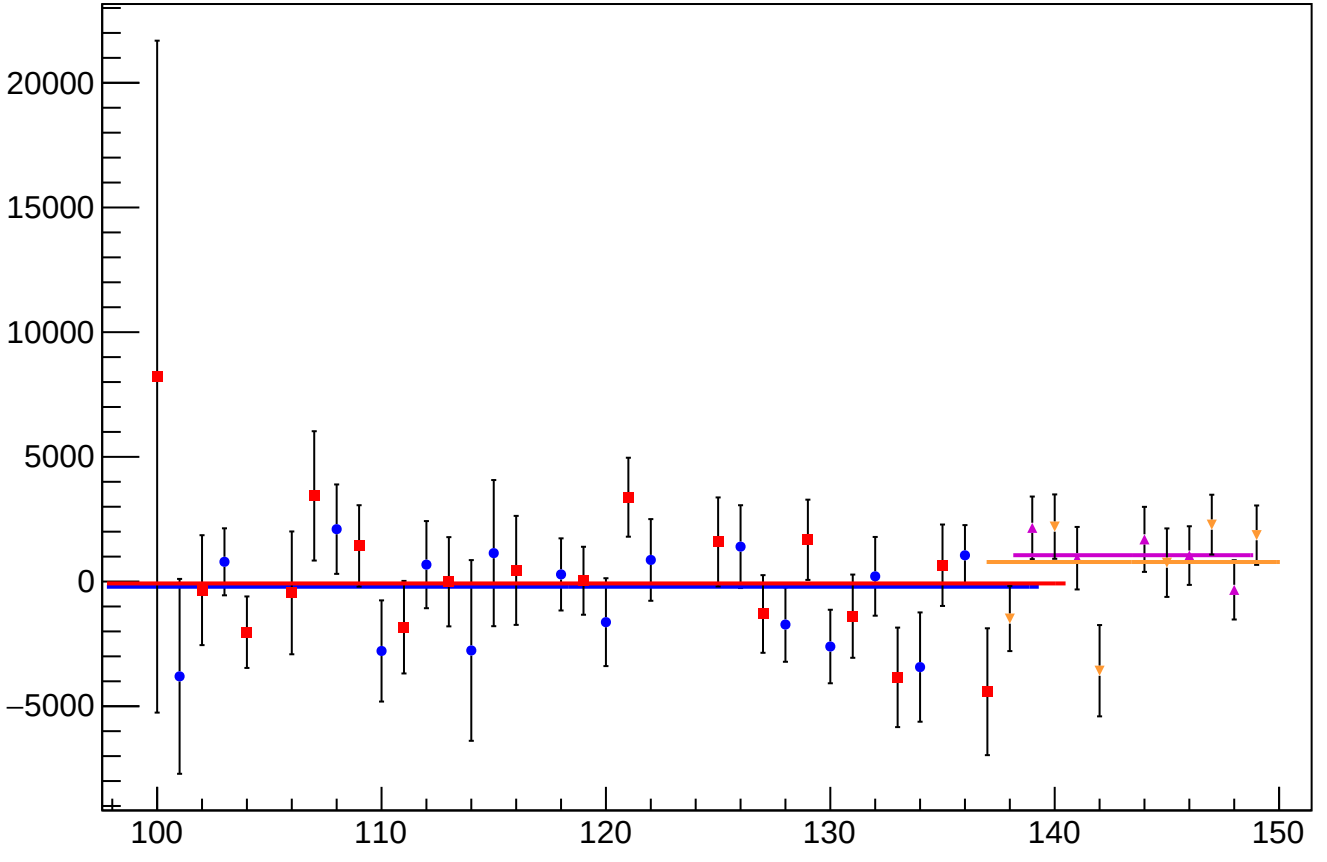
Left In: 3144.973+/-1.074 χ^2/NDF:115214.1/4

+ sign 689.339+/-0.245 χ^2/NDF: 15436701.3/21

All: 637.304+/-0.165 χ^2/NDF: 30717713.7/44

- 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: 783.647+/-540.891 χ^2/NDF:12.3/5

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

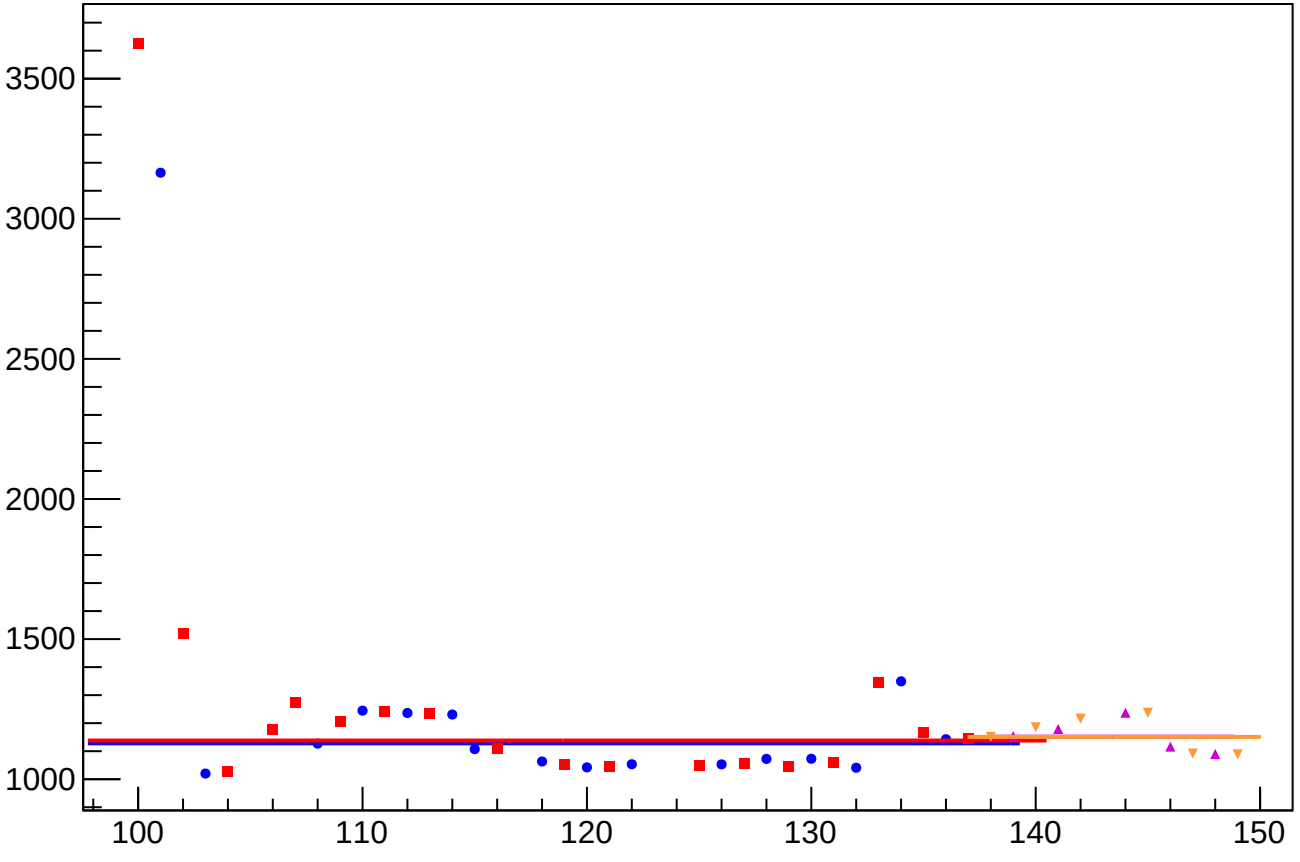
Left In: 1056.375+/-551.221 χ^2/NDF:2.4/4

+ sign 175.027+/-336.190 χ^2/NDF: 29.1/21

All: 263.405+/-238.854 χ^2/NDF: 54.9/44

- 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: 1151.002+/-0.382 χ^2/NDF:22168.4/5

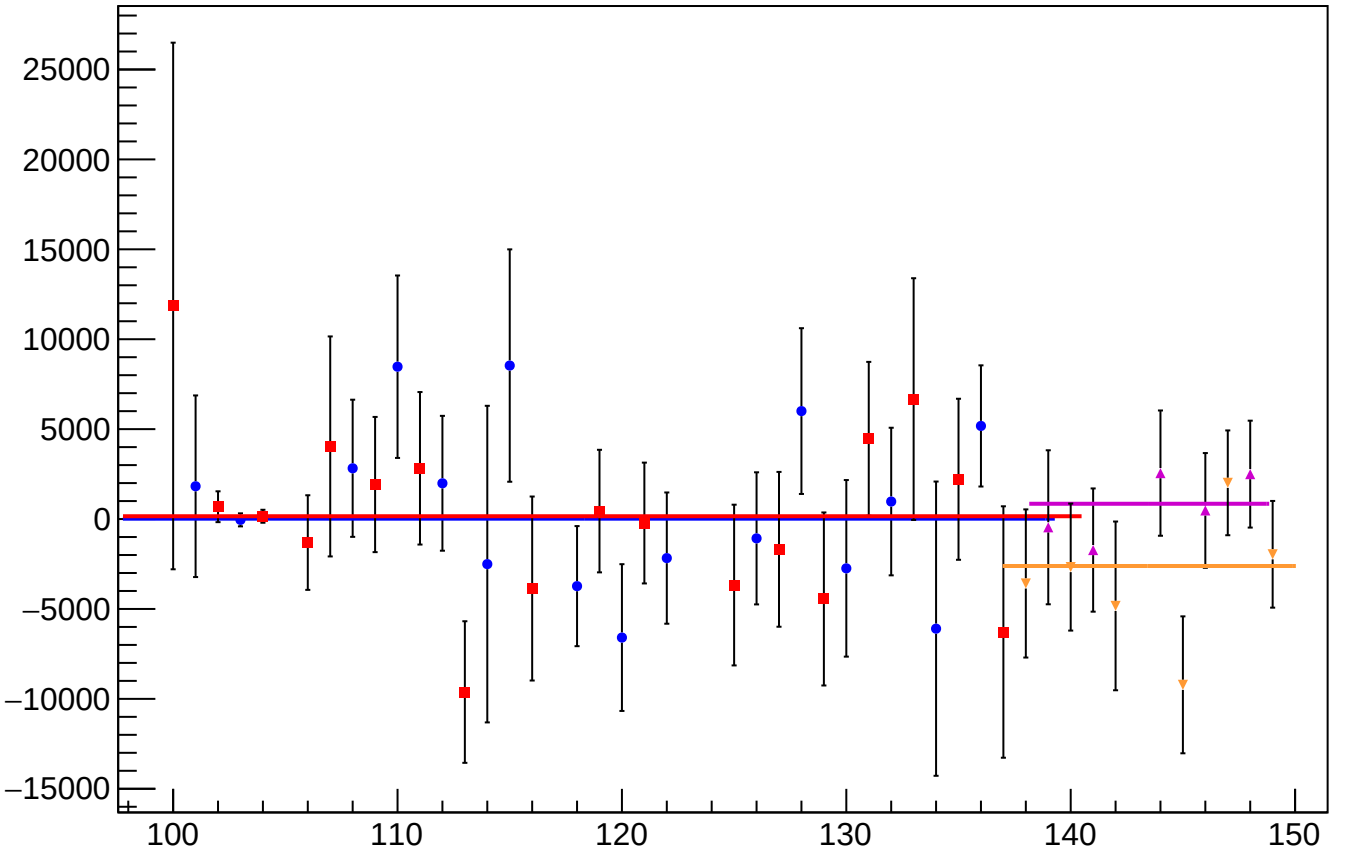
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1151.714+/-0.390 χ^2/NDF:16774.9/4

+ sign 1136.890+/-0.238 χ^2/NDF: 645782.2/21

All: 1140.014+/-0.169 χ^2/NDF: 884299.0/44

- 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: -2611.246+/-1436.161 χ^2/NDF:5.9/5

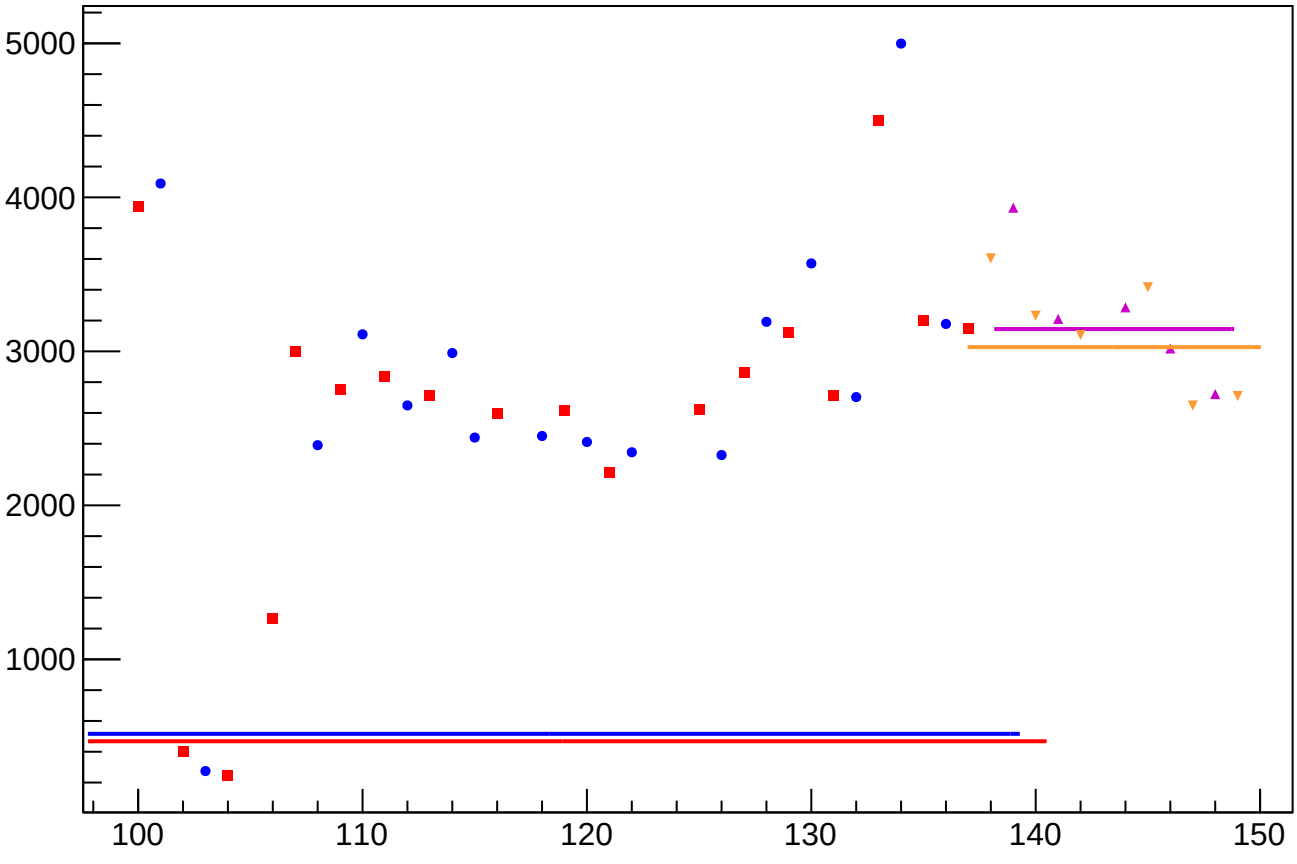
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 849.886+/-1518.734 χ^2/NDF:1.2/4

+ sign -121.629+/-335.020 χ^2/NDF: 23.9/21

All: 43.375+/-227.794 χ^2/NDF: 39.8/44

- 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: 3027.449+/-1.016 χ^2/NDF:124032.4/5

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

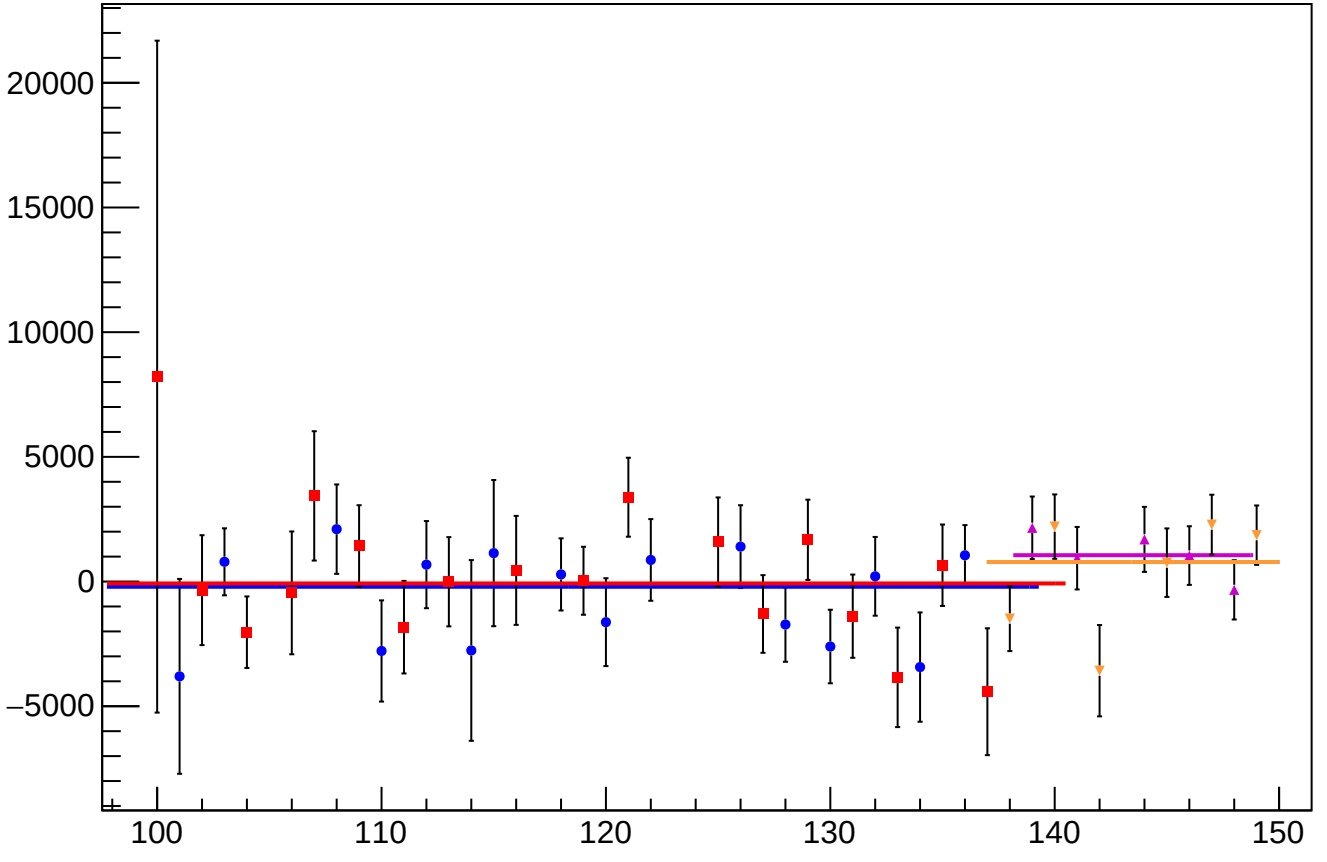
Left In: 3144.967+/-1.074 χ^2/NDF:115218.5/4

+ sign 652.946+/-0.237 χ^2/NDF: 15740583.8/21

All: 613.759+/-0.161 χ^2/NDF: 30971400.1/44

- 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: 783.647+/-540.891 χ^2/NDF:12.3/5

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

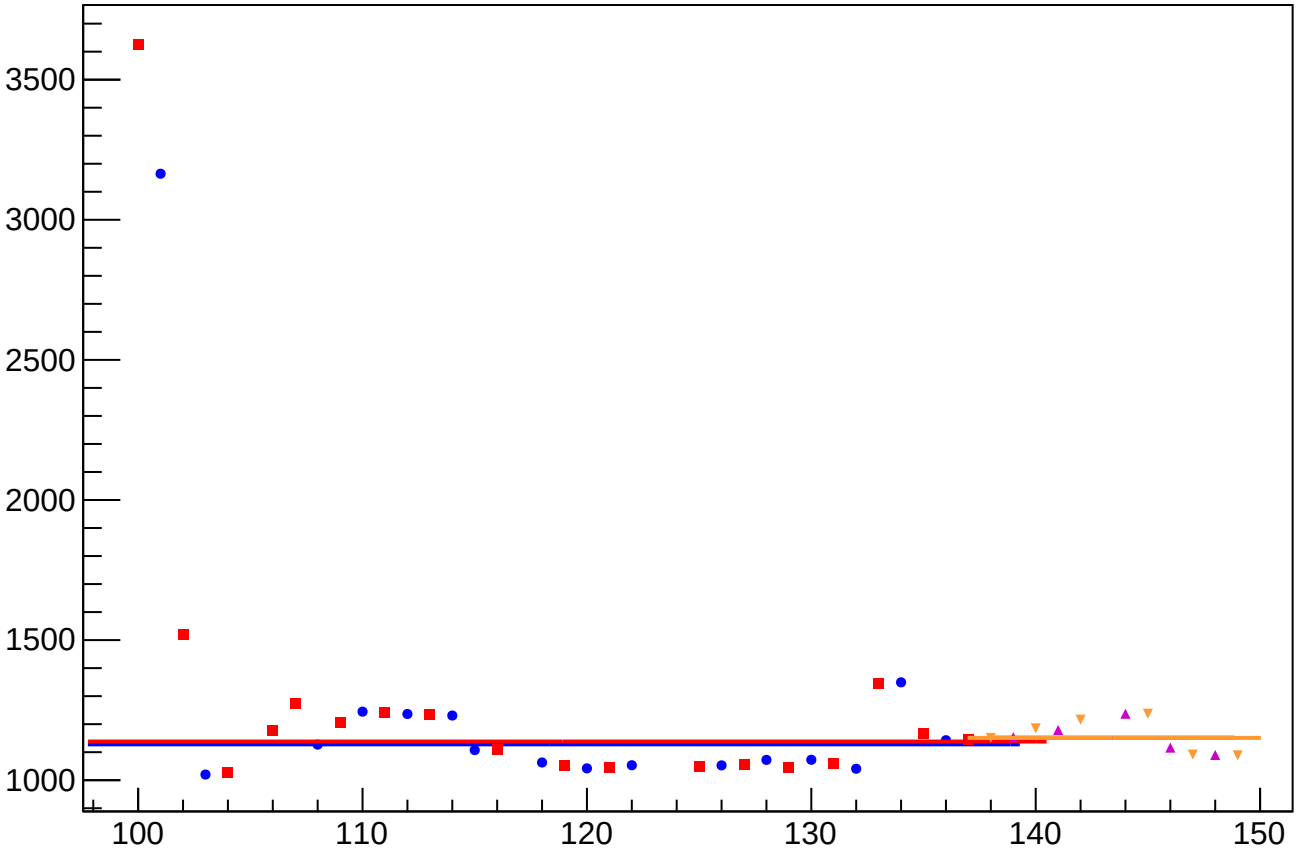
Left In: 1056.375+/-551.221 χ^2/NDF:2.4/4

+ sign 175.027+/-336.190 χ^2/NDF: 29.1/21

All: 263.405+/-238.854 χ^2/NDF: 54.9/44

- 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: 1151.002+/-0.382 χ^2/NDF:22168.4/5

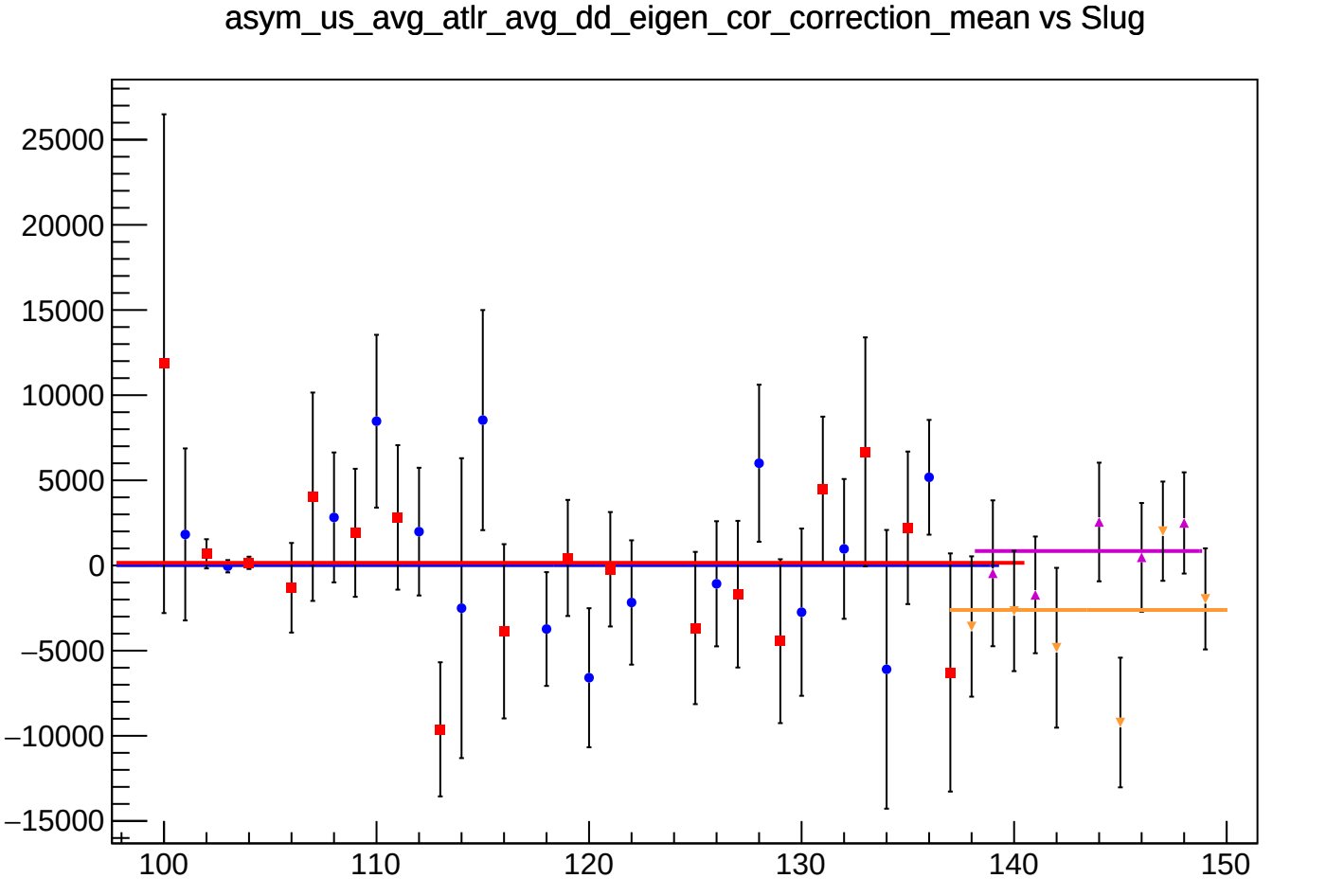
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1151.714+/-0.390 χ^2/NDF:16774.9/4

+ sign 1136.890+/-0.238 χ^2/NDF: 645782.2/21

All: 1140.014+/-0.169 χ^2/NDF: 884299.0/44

- 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: -2611.246+/-1436.161 χ^2/NDF:5.9/5

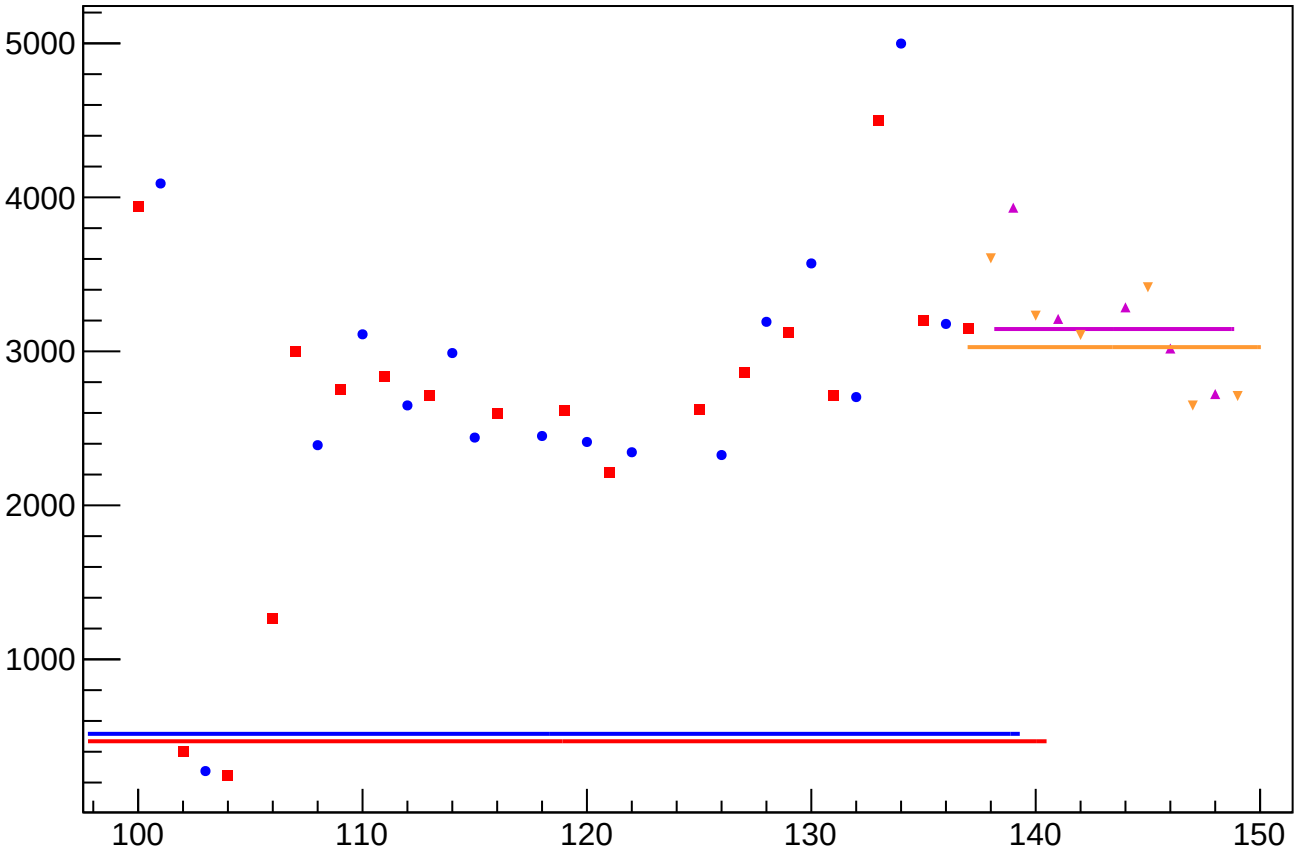
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 849.886+/-1518.734 χ^2/NDF:1.2/4

+ sign -121.629+/-335.020 χ^2/NDF: 23.9/21

All: 43.375+/-227.794 χ^2/NDF: 39.8/44

- 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: 3027.449+/-1.016 χ^2/NDF:124032.4/5

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

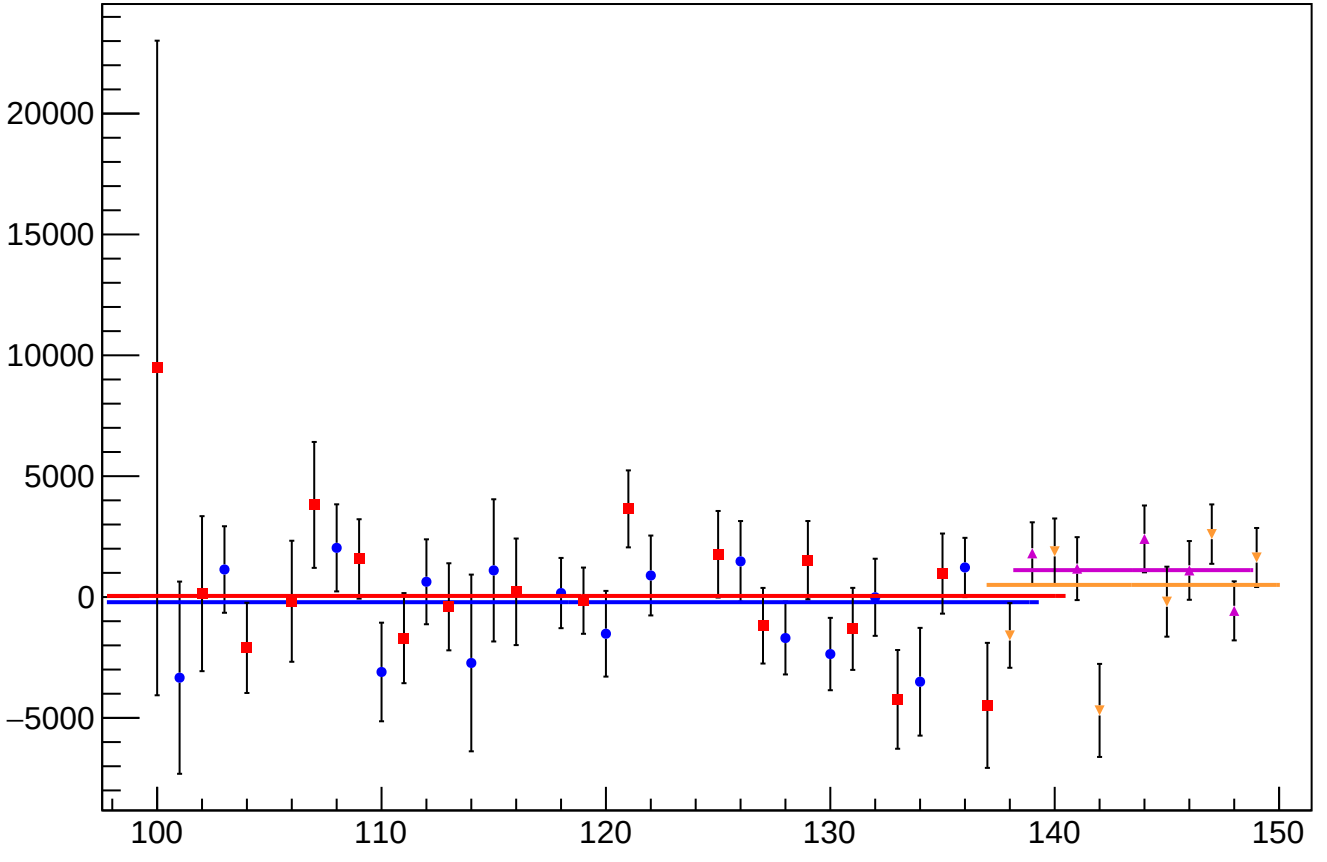
Left In: 3144.967+/-1.074 χ^2/NDF:115218.5/4

+ sign 652.946+/-0.237 χ^2/NDF: 15740583.8/21

All: 613.759+/-0.161 χ^2/NDF: 30971400.1/44

- 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: 502.141+/-560.795 χ^2/NDF:14.8/5

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

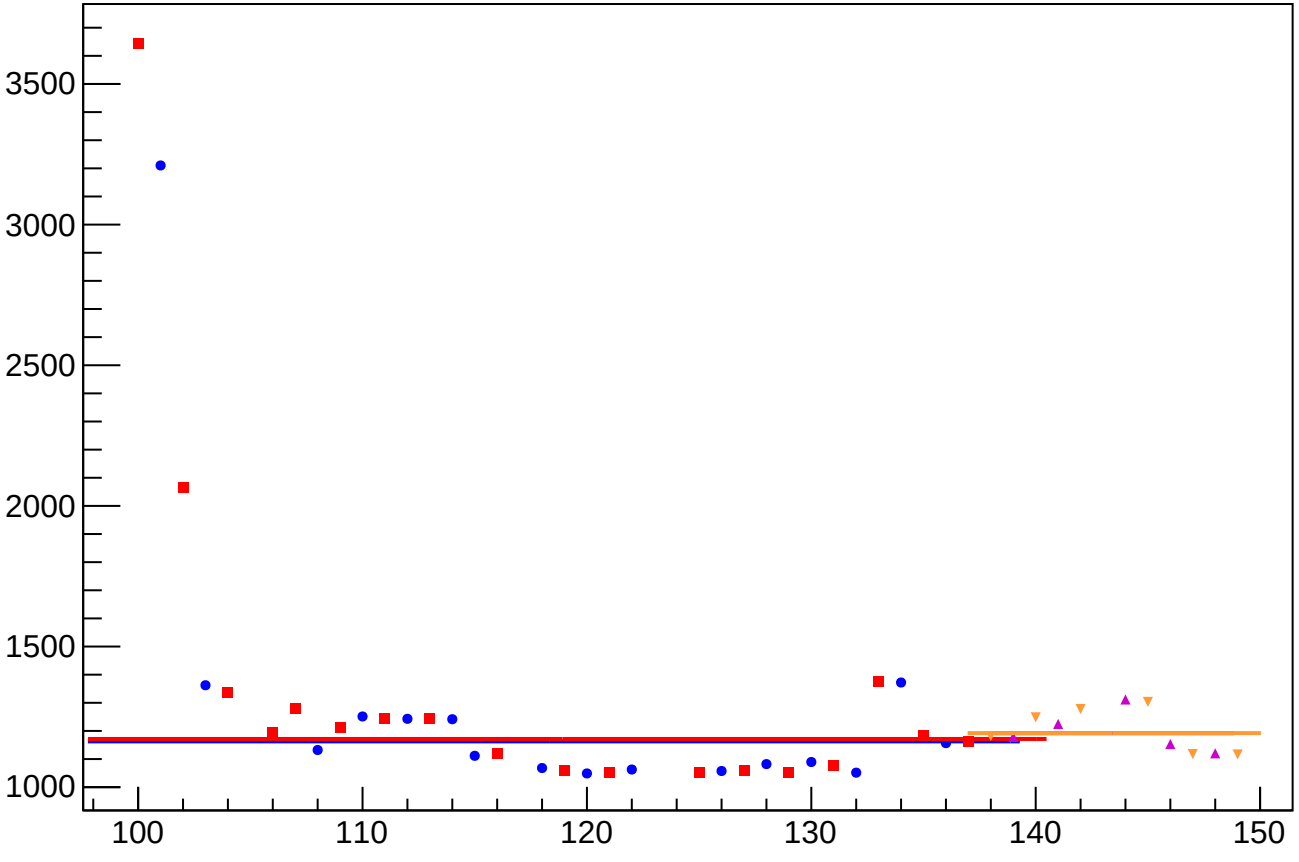
Left In: 1112.858+/-570.885 χ^2/NDF:3.1/4

+ sign 61.498+/-347.470 χ^2/NDF: 30.1/21

All: 253.912+/-247.304 χ^2/NDF: 57.6/44

- 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: 1192.316+/-0.397 χ^2/NDF:34287.0/5

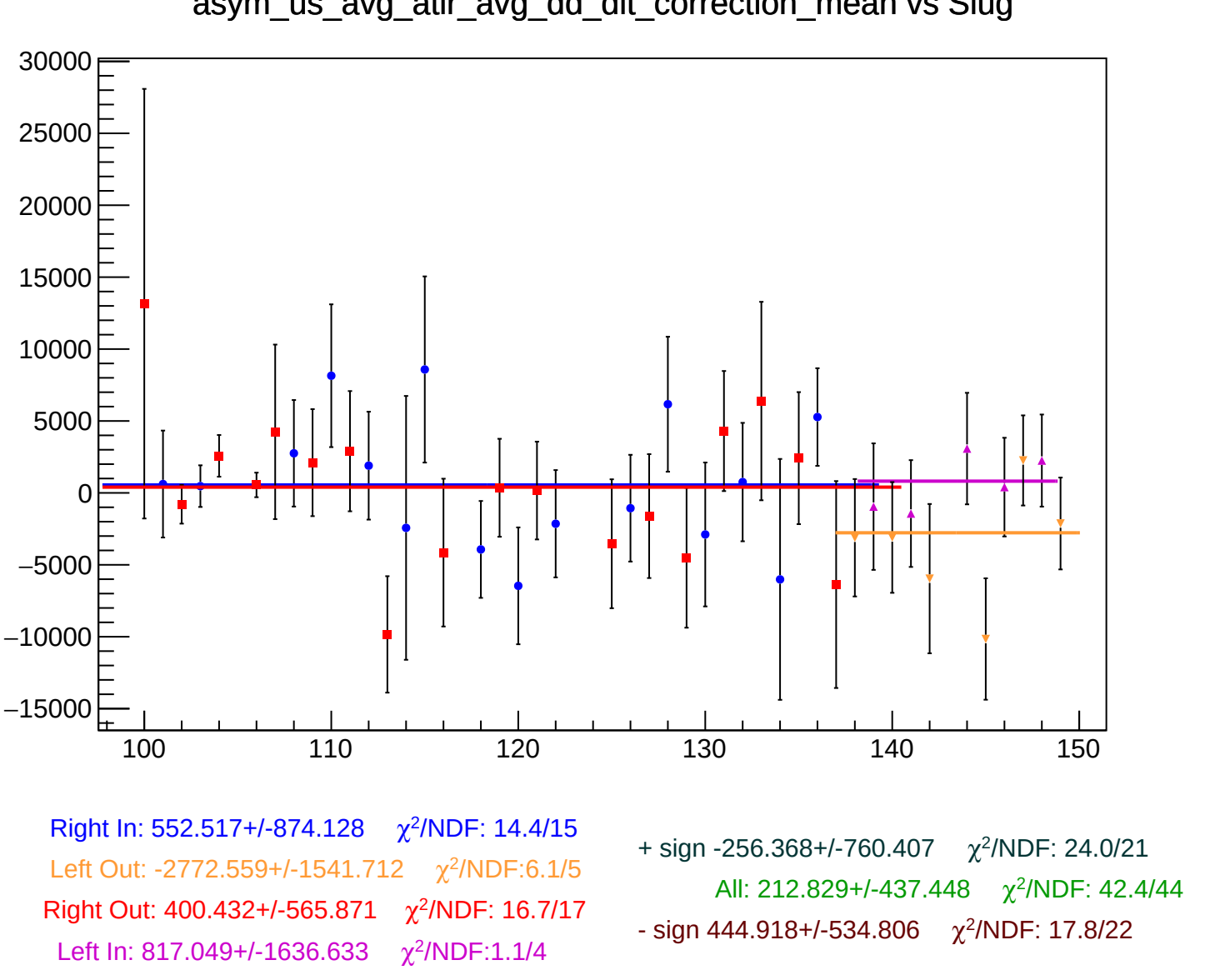
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

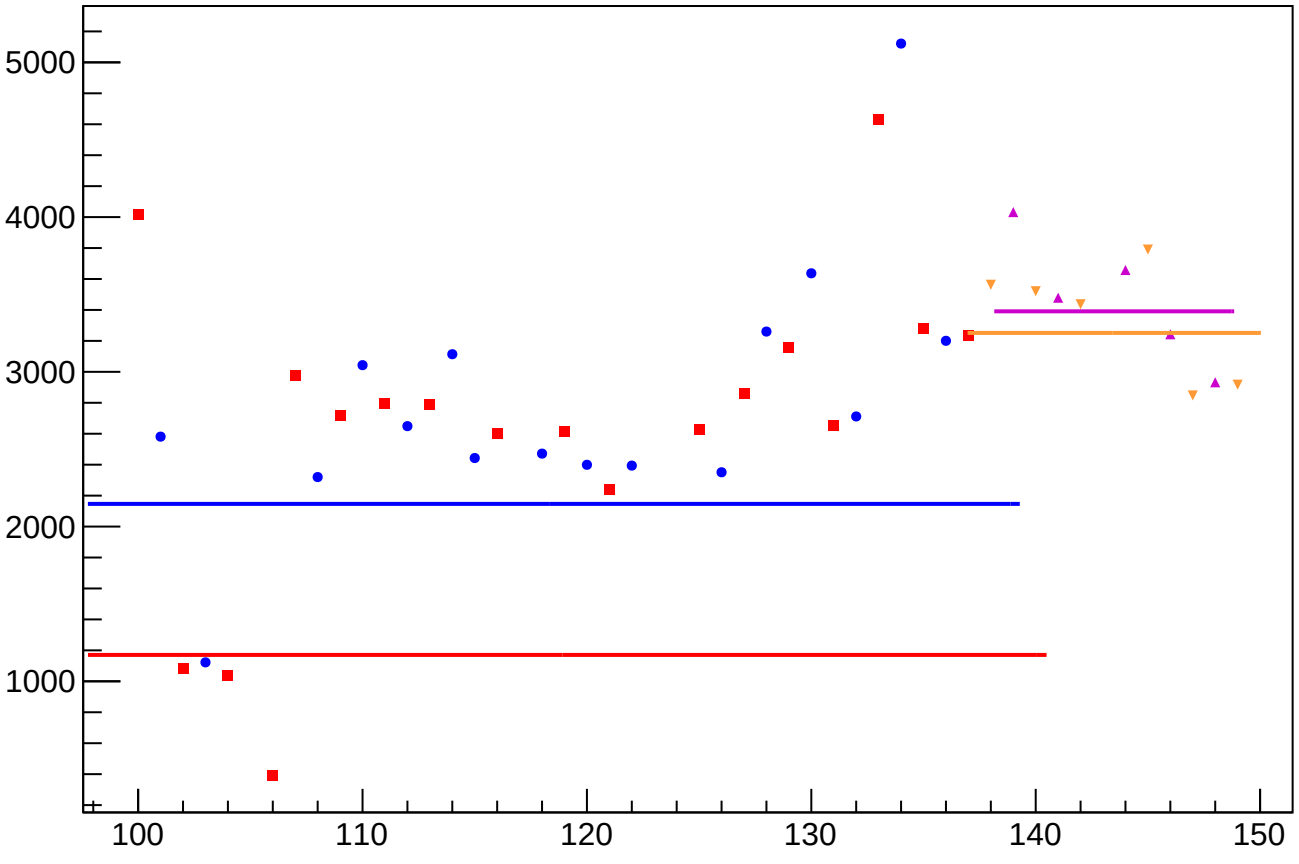
Left In: 1191.997+/-0.404 χ^2/NDF:25363.6/4

+ sign 1174.163+/-0.246 χ^2/NDF: 673041.9/21

All: 1176.670+/-0.175 χ^2/NDF: 1031867.8/44

- sign 1179.241+/-0.249 χ^2/NDF: 358615.1/22


asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 552.517+/-874.128 χ²/NDF: 14.4/15
Left Out: -2772.559+/-1541.712 χ²/NDF:6.1/5
Right Out: 400.432+/-565.871 χ²/NDF: 16.7/17
Left In: 817.049+/-1636.633 χ²/NDF:1.1/4
+ sign -256.368+/-760.407 χ²/NDF: 24.0/21
All: 212.829+/-437.448 χ²/NDF: 42.4/44
- sign 444.918+/-534.806 χ²/NDF: 17.8/22



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3251.499+/-1.090 χ^2/NDF:111783.3/5

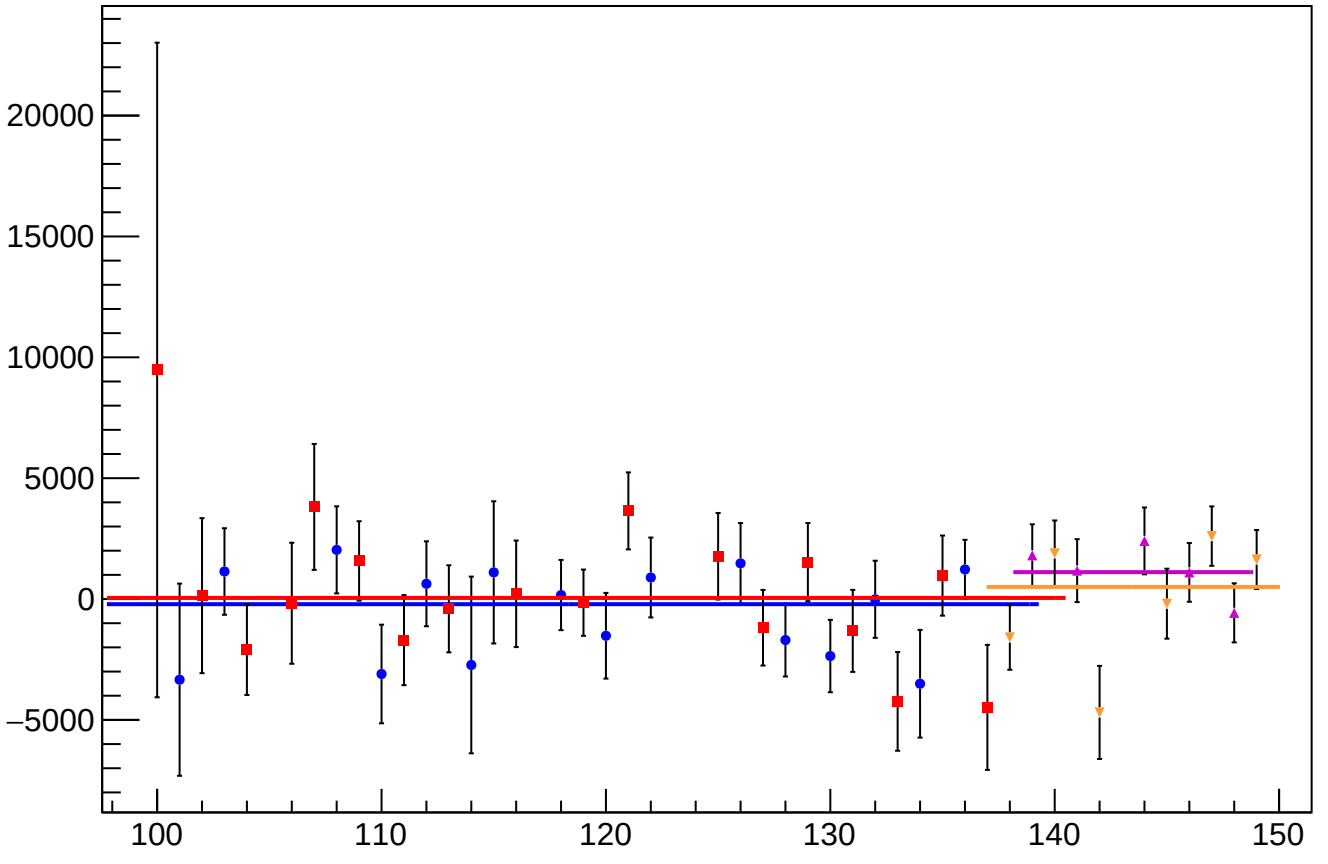
Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3391.033+/-1.157 χ^2/NDF:97903.8/4

+ sign 2415.399+/-0.538 χ^2/NDF: 2863822.5/21

All: 1741.179+/-0.309 χ^2/NDF: 14417578.8/4

- sign 1407.674+/-0.378 χ^2/NDF: 9203684.9/22



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 502.132+/-560.796 χ^2/NDF:14.8/5

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

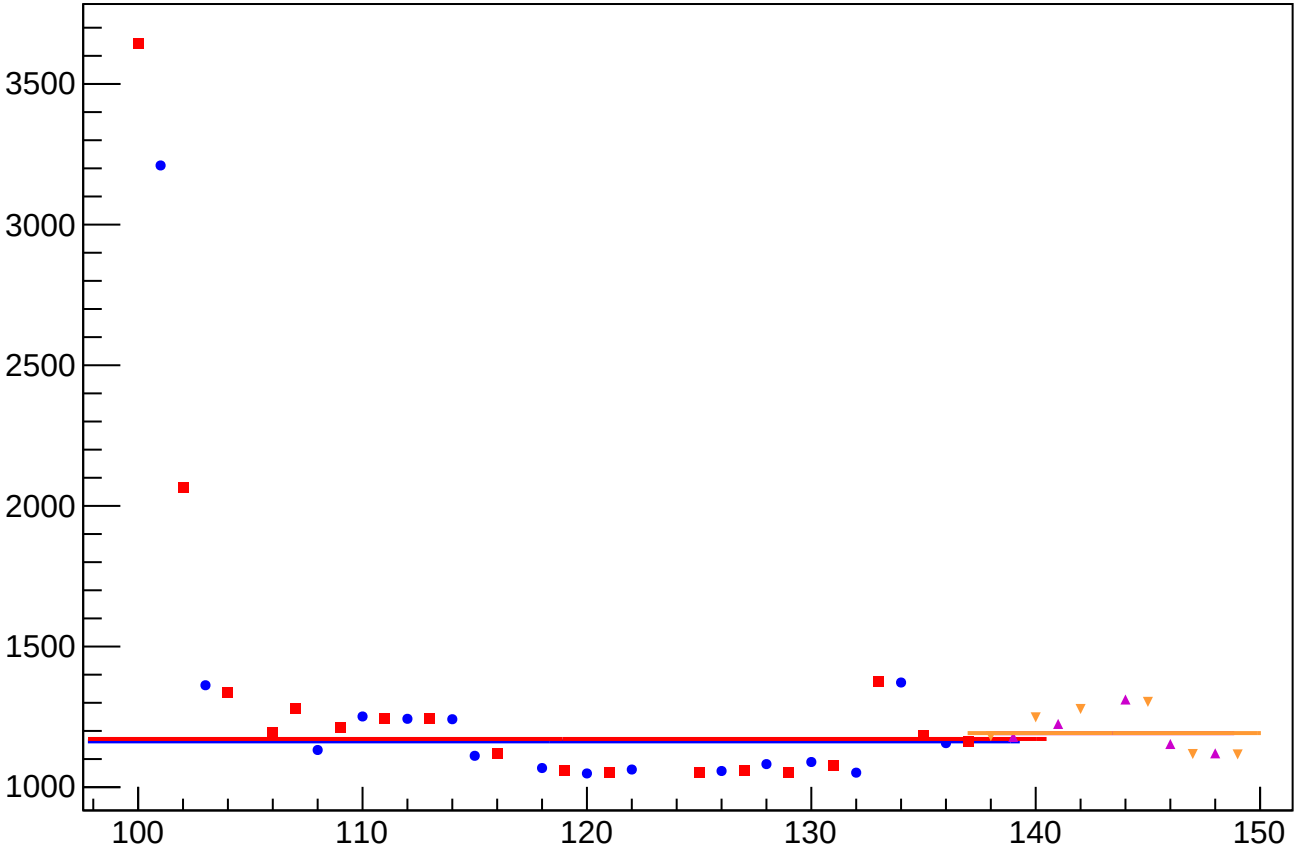
Left In: 1112.855+/-570.885 χ^2/NDF:3.1/4

+ sign 61.493+/-347.470 χ^2/NDF: 30.1/21

All: 253.910+/-247.304 χ^2/NDF: 57.6/44

- 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: 1192.317+/-0.397 χ^2/NDF:34287.4/5

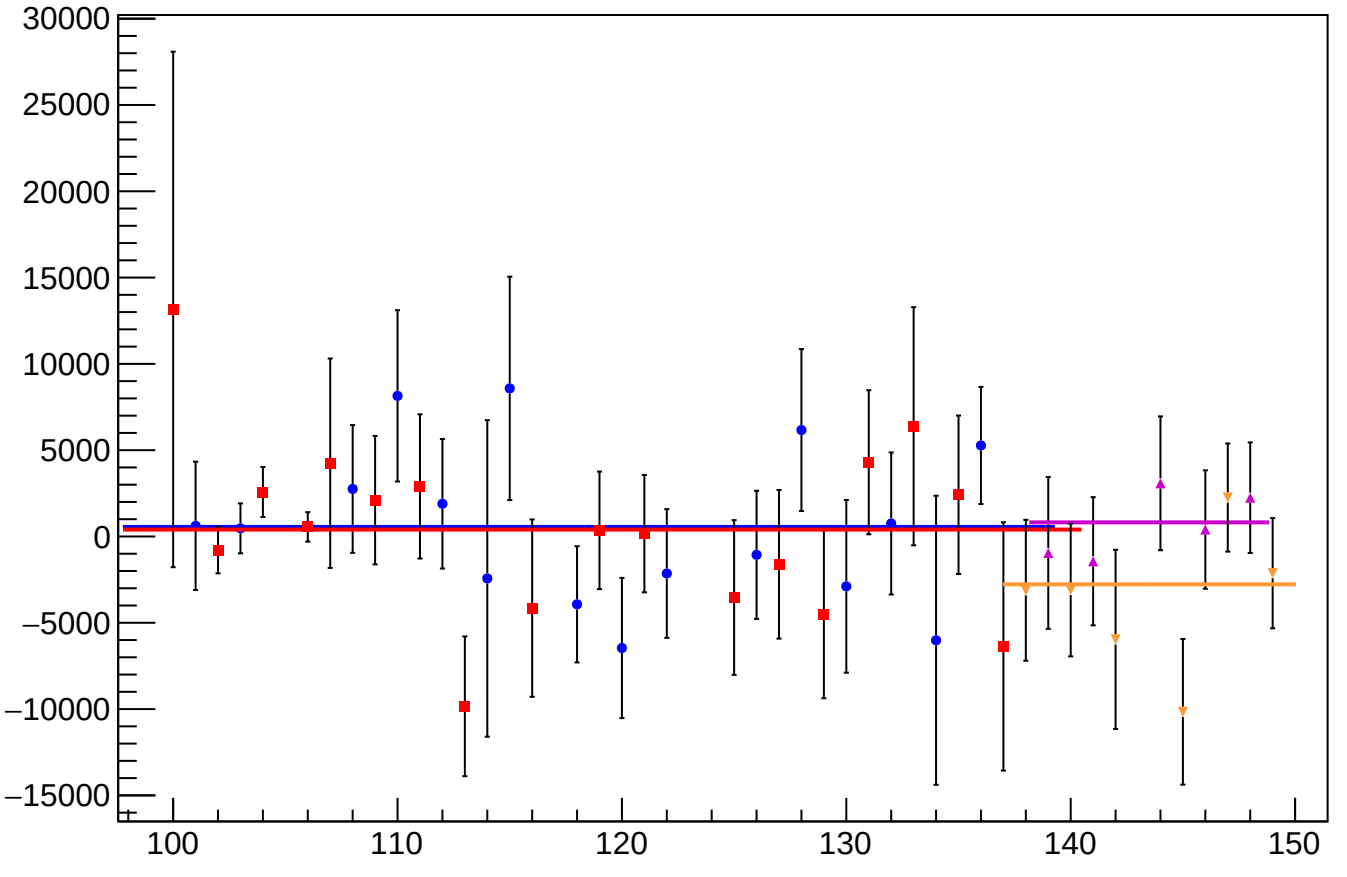
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1191.998+/-0.404 χ^2/NDF:25363.6/4

+ sign 1174.163+/-0.246 χ^2/NDF: 673042.7/21

All: 1176.670+/-0.175 χ^2/NDF: 1031868.5/44

- 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: -2772.565+/-1541.714 χ^2/NDF:6.1/5

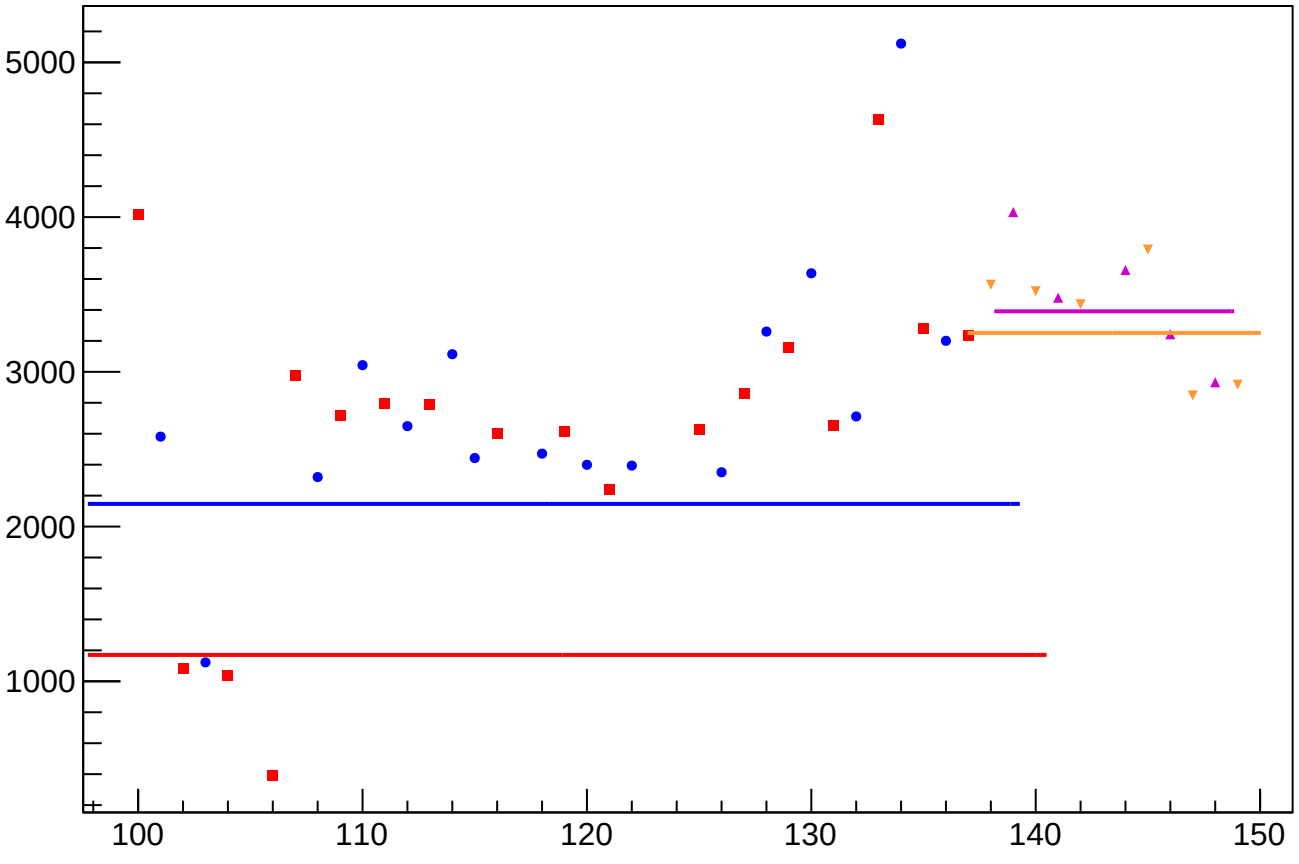
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 817.045+/-1636.635 χ^2/NDF:1.1/4

+ sign -256.371+/-760.406 χ^2/NDF: 24.0/21

All: 212.830+/-437.445 χ^2/NDF: 42.4/44

- 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: 3251.502+/-1.090 χ^2/NDF:111784.4/5

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

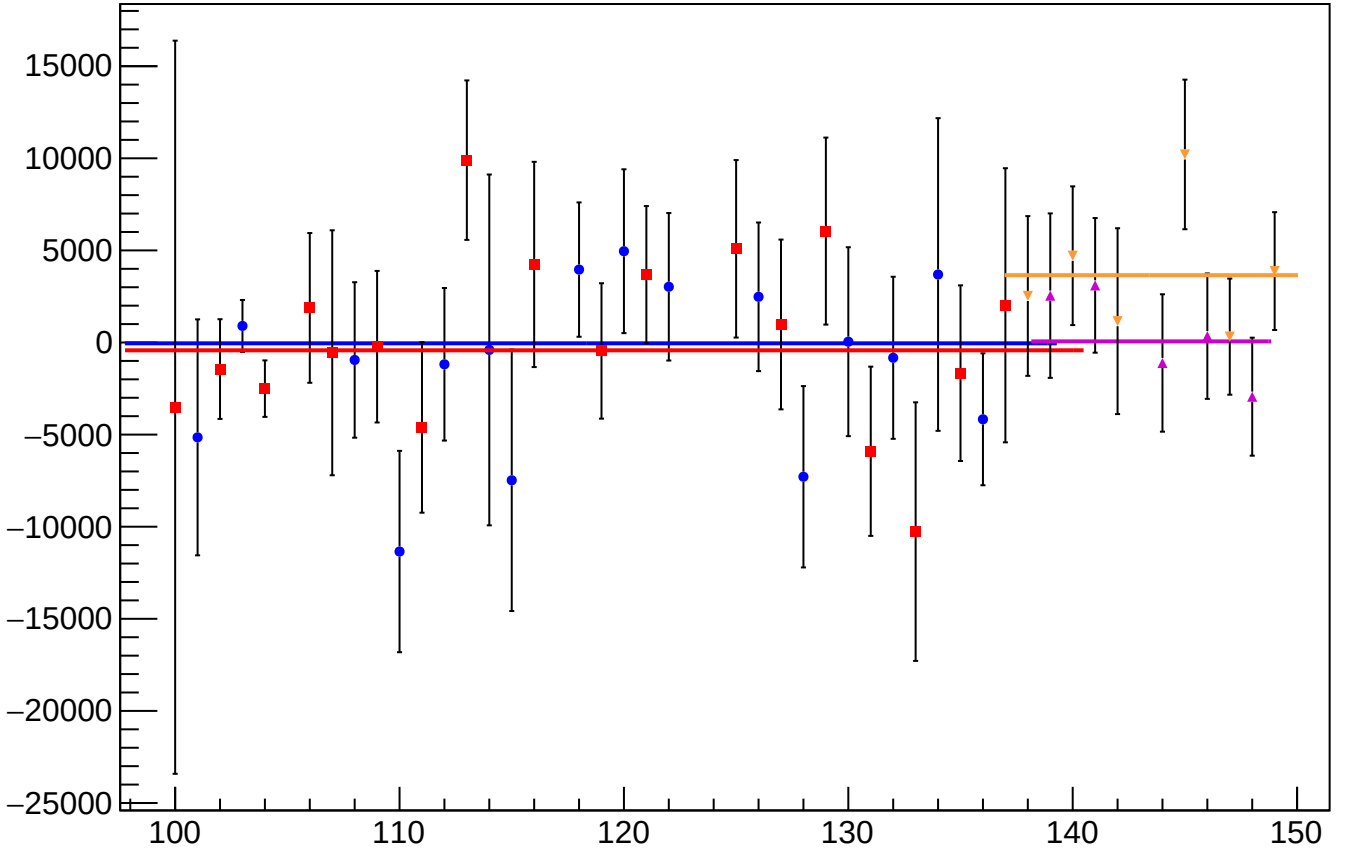
Left In: 3391.037+/-1.157 χ^2/NDF:97904.7/4

+ sign 2415.396+/-0.538 χ^2/NDF: 2863828.0/21

All: 1741.157+/-0.309 χ^2/NDF: 14417921.4/4

- 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: 3654.857+/-1539.352 χ^2/NDF:4.1/5

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

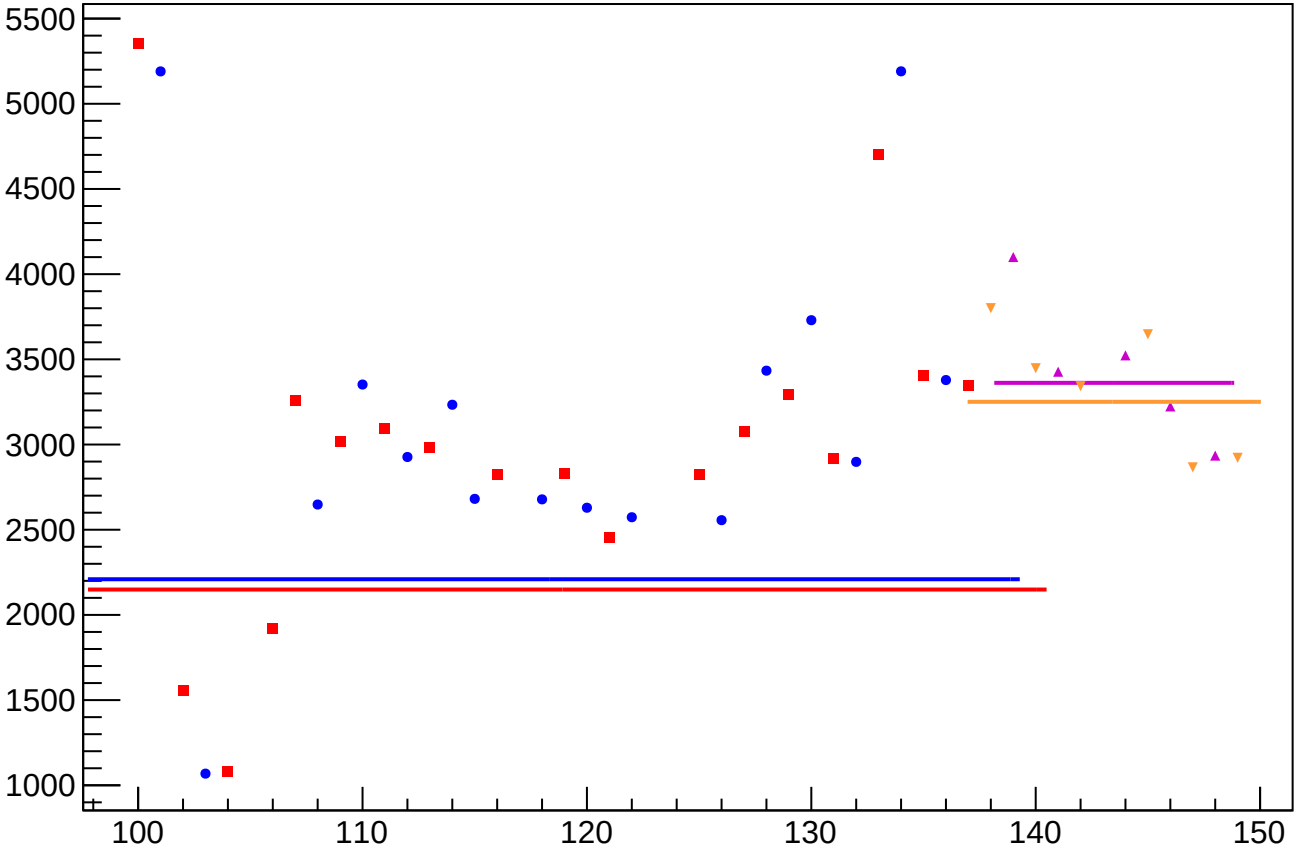
Left In: 60.512+/-1620.740 χ^2/NDF:2.0/4

+ sign 929.983+/-790.175 χ^2/NDF: 22.1/21

All: 305.615+/-556.772 χ^2/NDF: 42.8/44

- sign -310.040+/-784.642 χ^2/NDF: 19.4/22

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3250.657+/-1.088 χ^2/NDF:108228.3/5

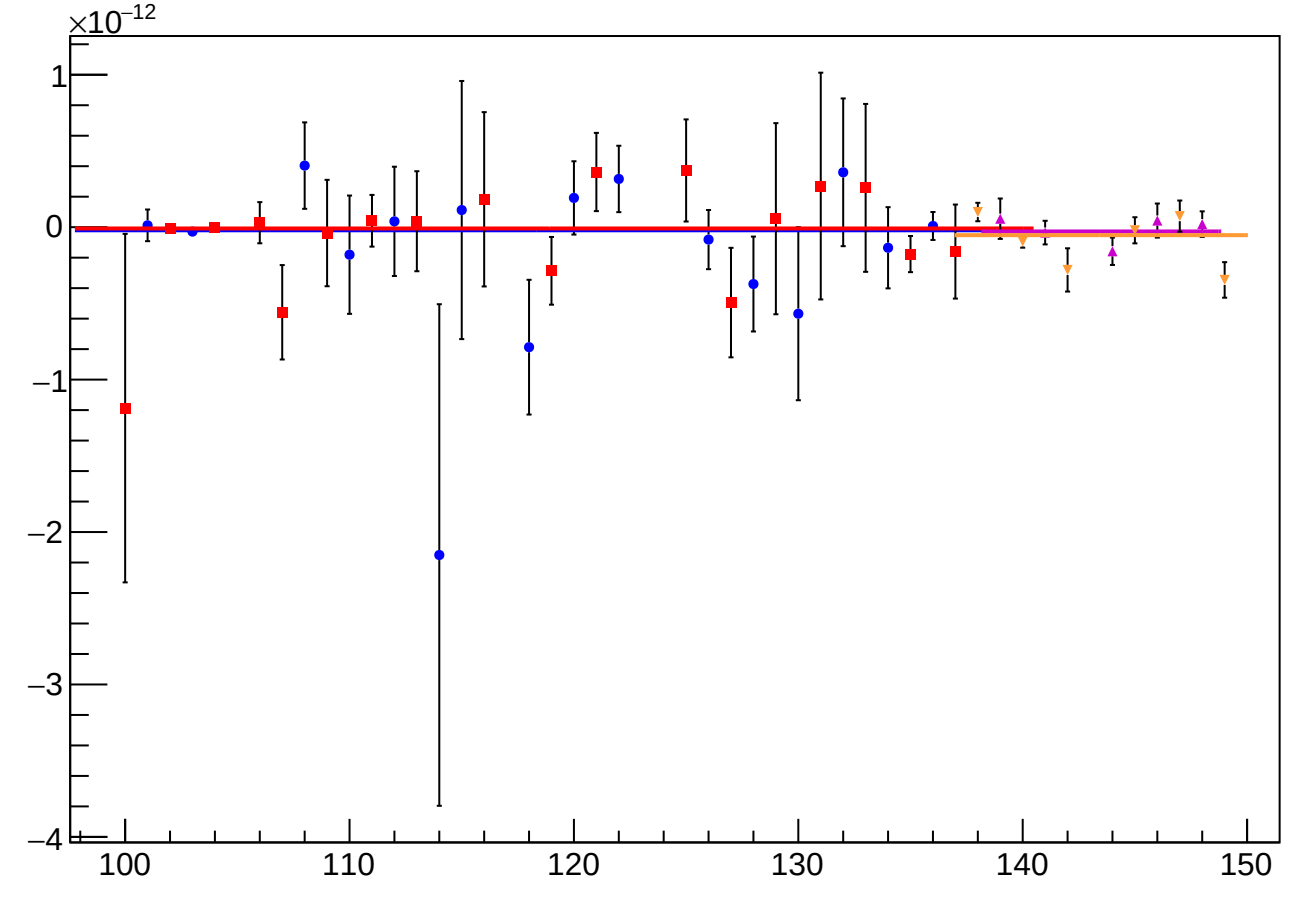
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3362.048+/-1.146 χ^2/NDF:97965.9/4

+ sign 2483.726+/-0.559 χ^2/NDF: 3619149.1/21

All: 2457.750+/-0.393 χ^2/NDF: 6849871.7/44

- 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:17.9/5

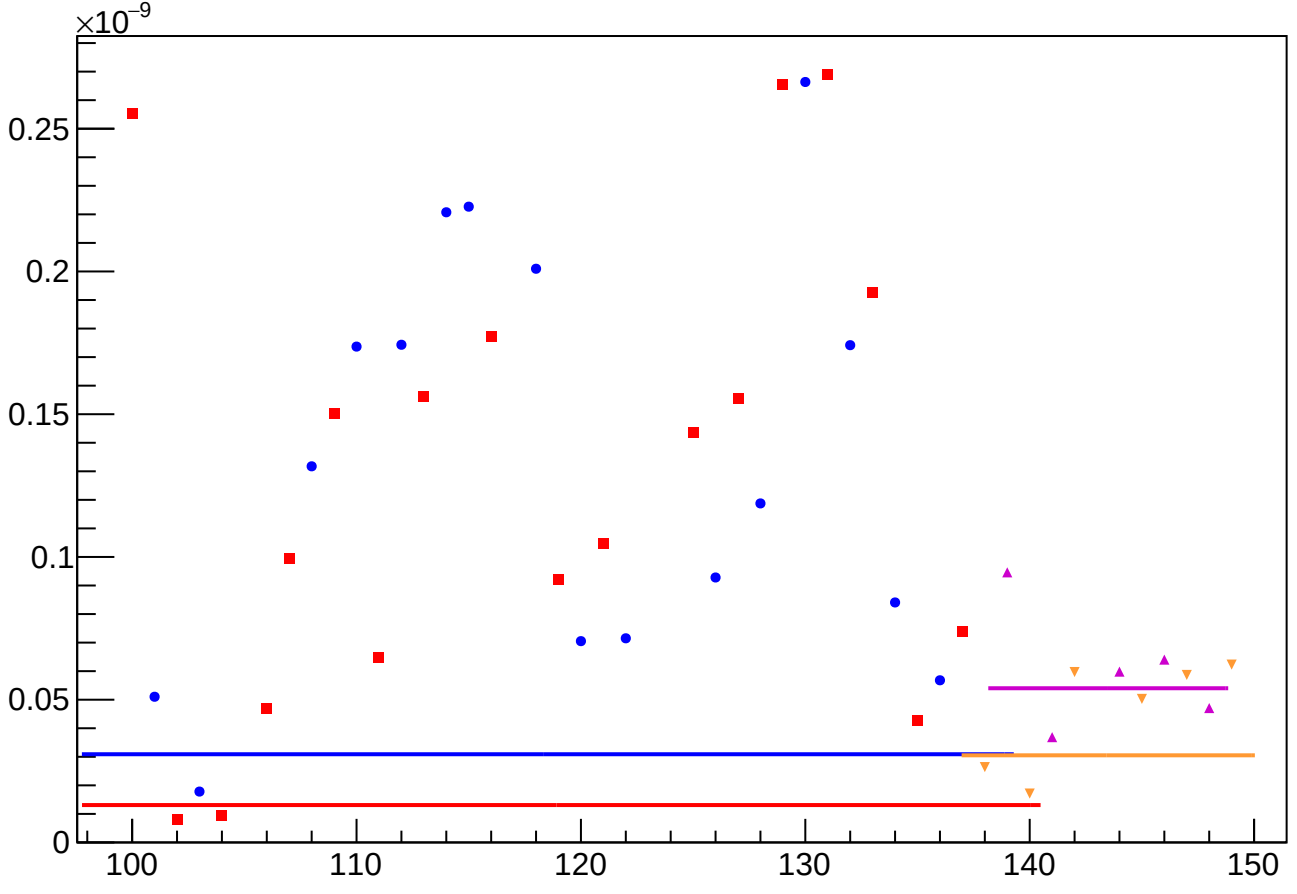
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:3.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/21

All: -0.000+/-0.000 χ^2/NDF: 50.7/44

- 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:715515.9/5

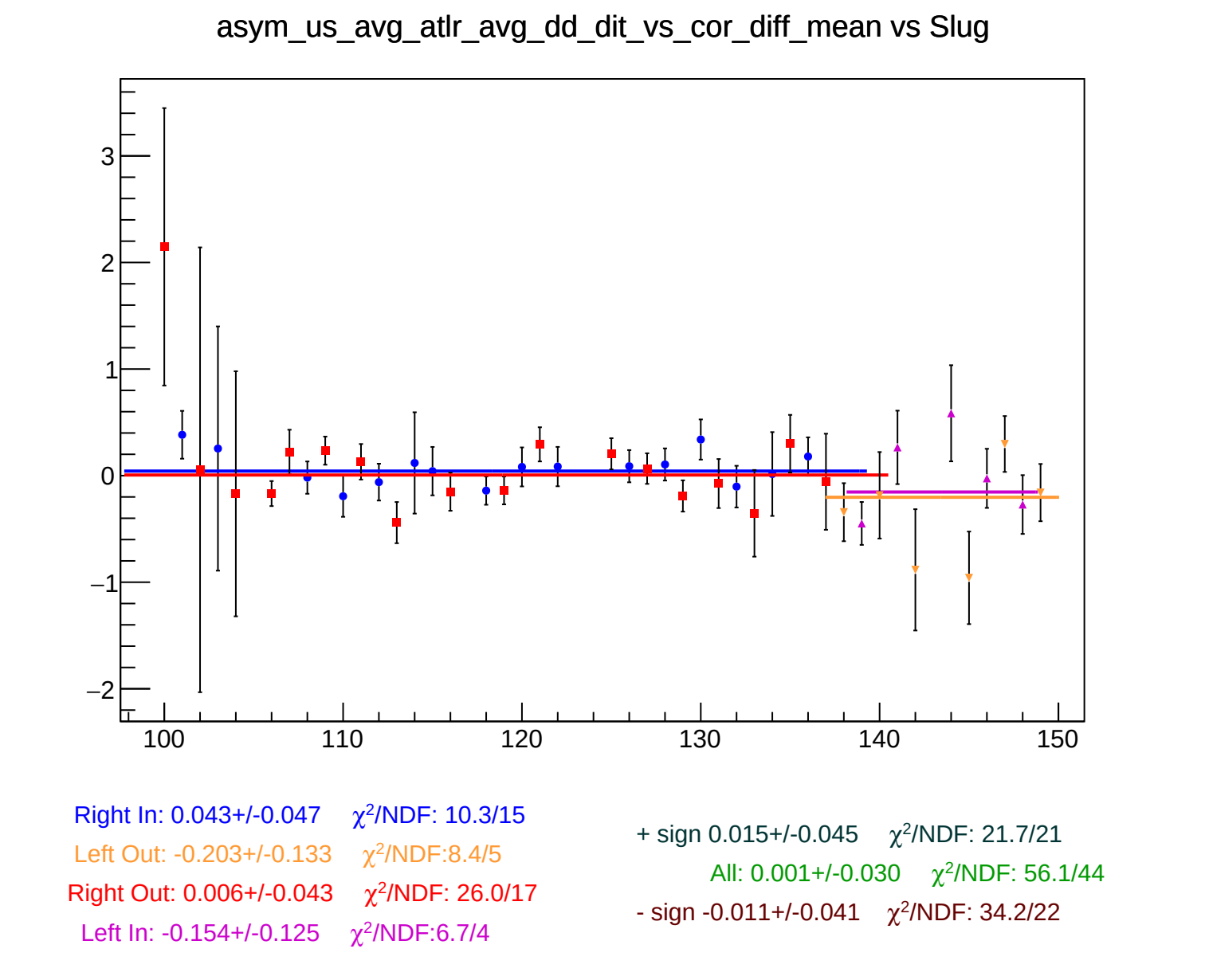
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

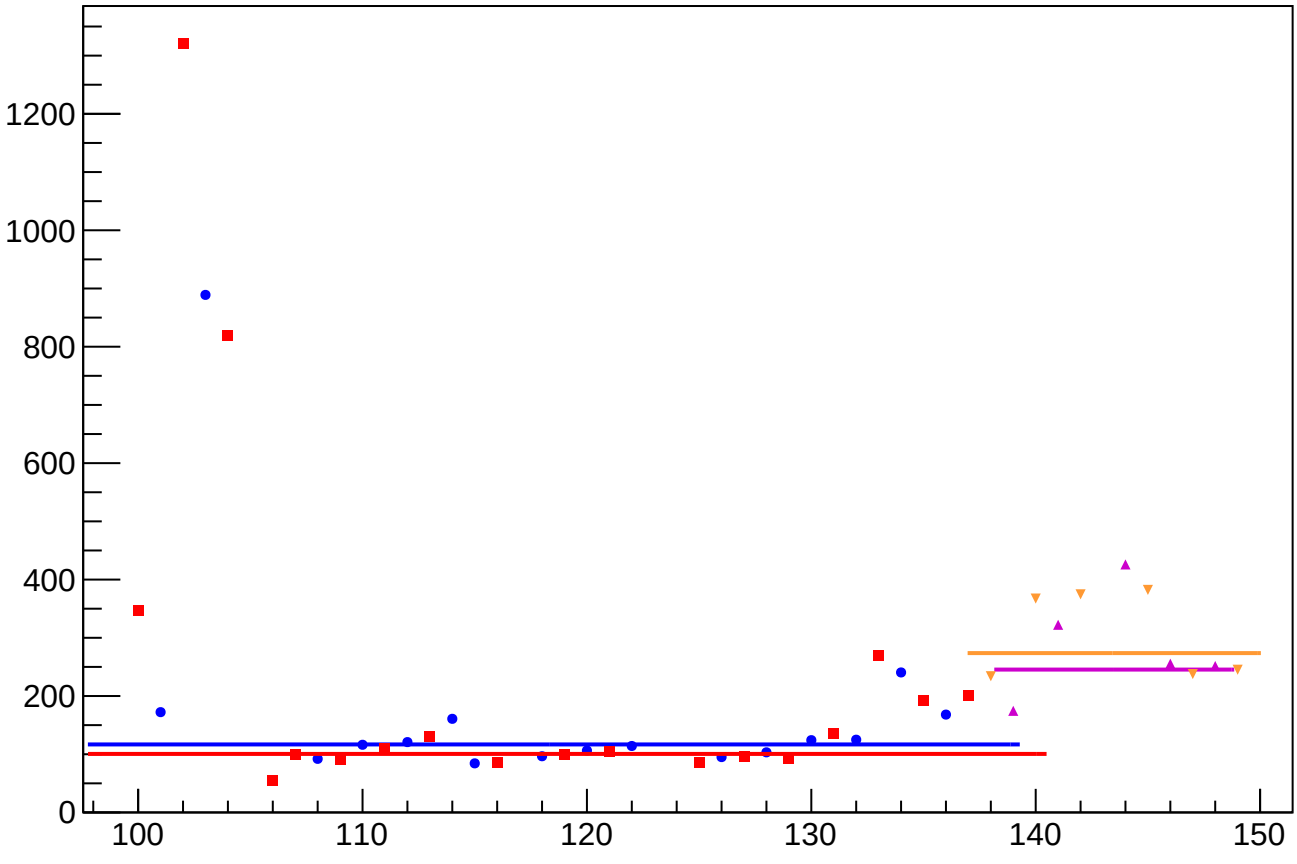
Left In: 0.000+/-0.000 χ^2/NDF:323524.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 3714286.1/21

All: 0.000+/-0.000 χ^2/NDF: 9999754.1/44

- 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: -0.203+/-0.133 χ²/NDF:8.4/5
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.154+/-0.125 χ²/NDF:6.7/4
+ sign 0.015+/-0.045 χ²/NDF: 21.7/21
All: 0.001+/-0.030 χ²/NDF: 56.1/44
- sign -0.011+/-0.041 χ²/NDF: 34.2/22



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 273.722+/-0.094 χ^2/NDF:397404.7/5

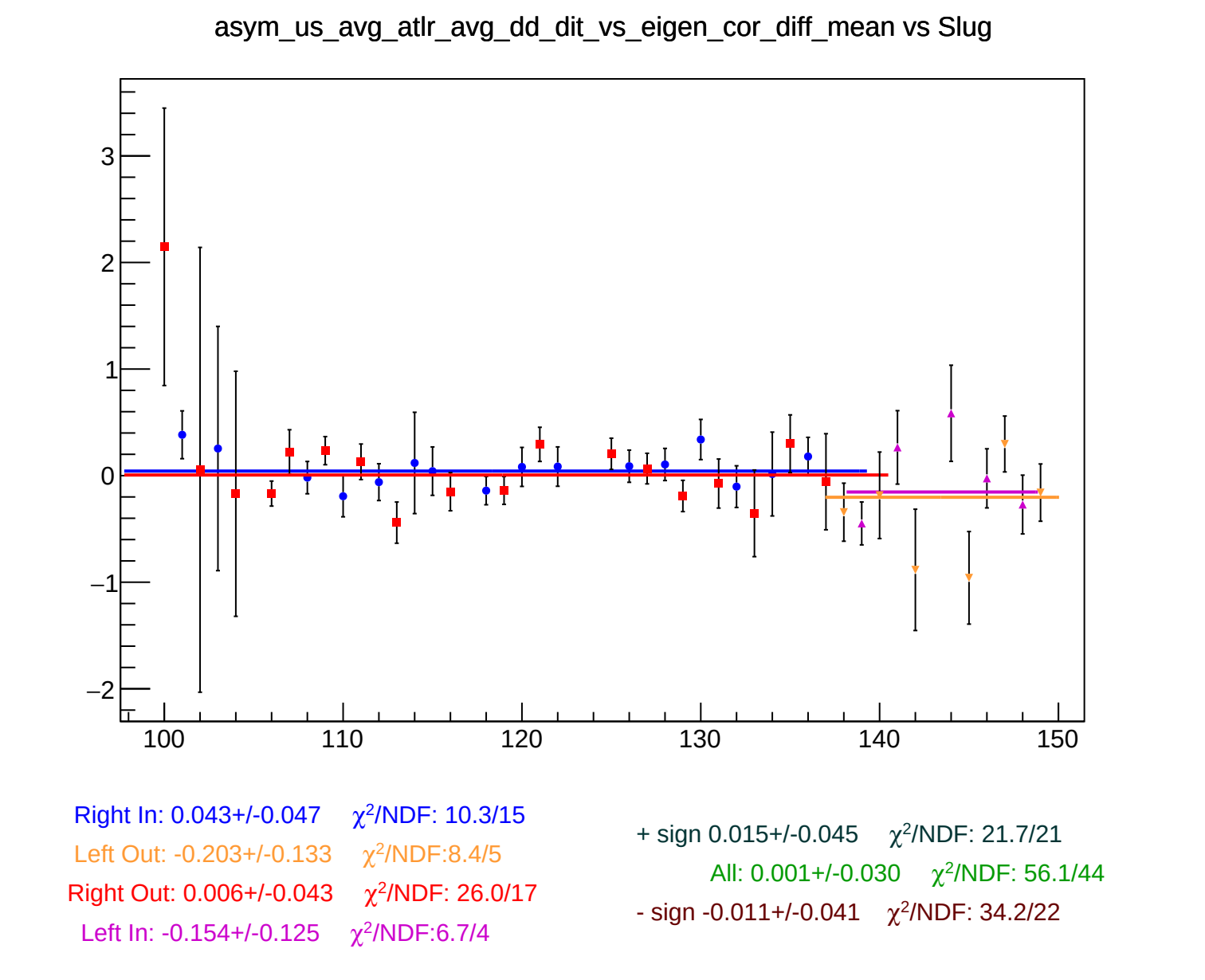
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

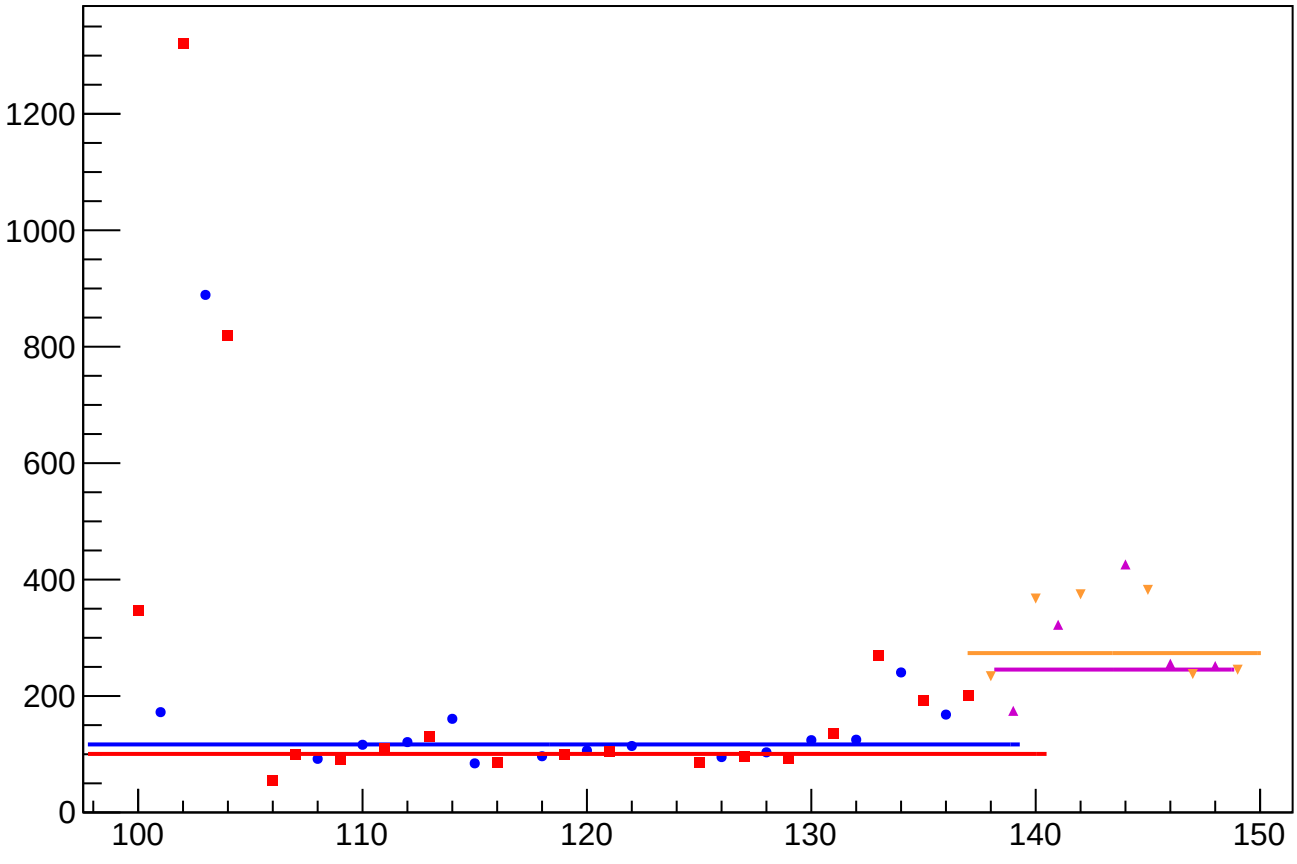
Left In: 245.417+/-0.088 χ^2/NDF:671807.9/4

+ sign 134.515+/-0.032 χ^2/NDF: 4479639.1/21

All: 124.536+/-0.021 χ^2/NDF: 10402311.5/44

- 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: -0.203+/-0.133 χ²/NDF:8.4/5
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.154+/-0.125 χ²/NDF:6.7/4
+ sign 0.015+/-0.045 χ²/NDF: 21.7/21
All: 0.001+/-0.030 χ²/NDF: 56.1/44
- sign -0.011+/-0.041 χ²/NDF: 34.2/22



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 273.722+/-0.094 χ^2/NDF:397404.7/5

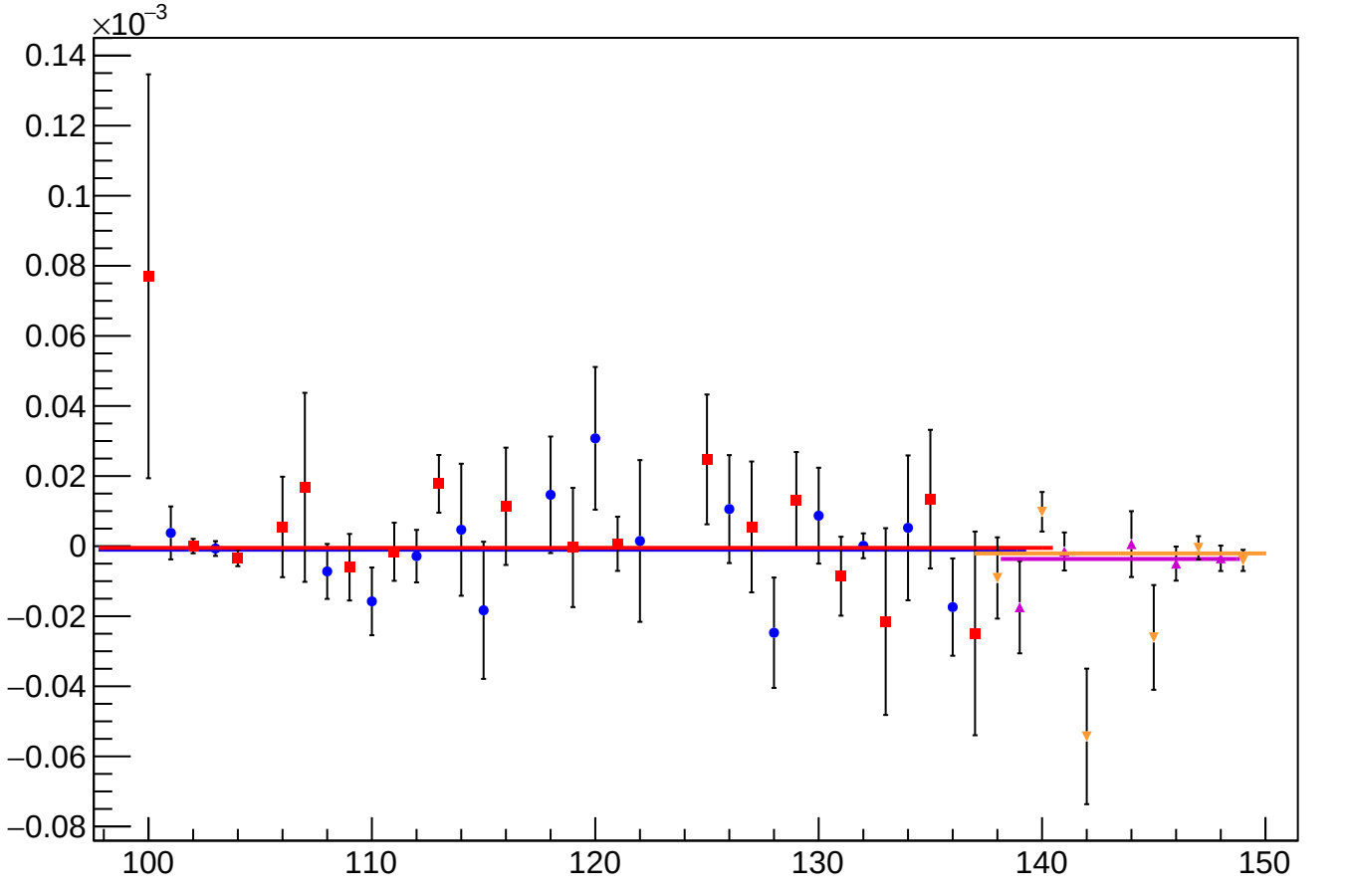
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 245.417+/-0.088 χ^2/NDF:671807.9/4

+ sign 134.515+/-0.032 χ^2/NDF: 4479639.1/21

All: 124.536+/-0.021 χ^2/NDF: 10402311.5/44

- sign 116.154+/-0.029 χ^2/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:15.3/5

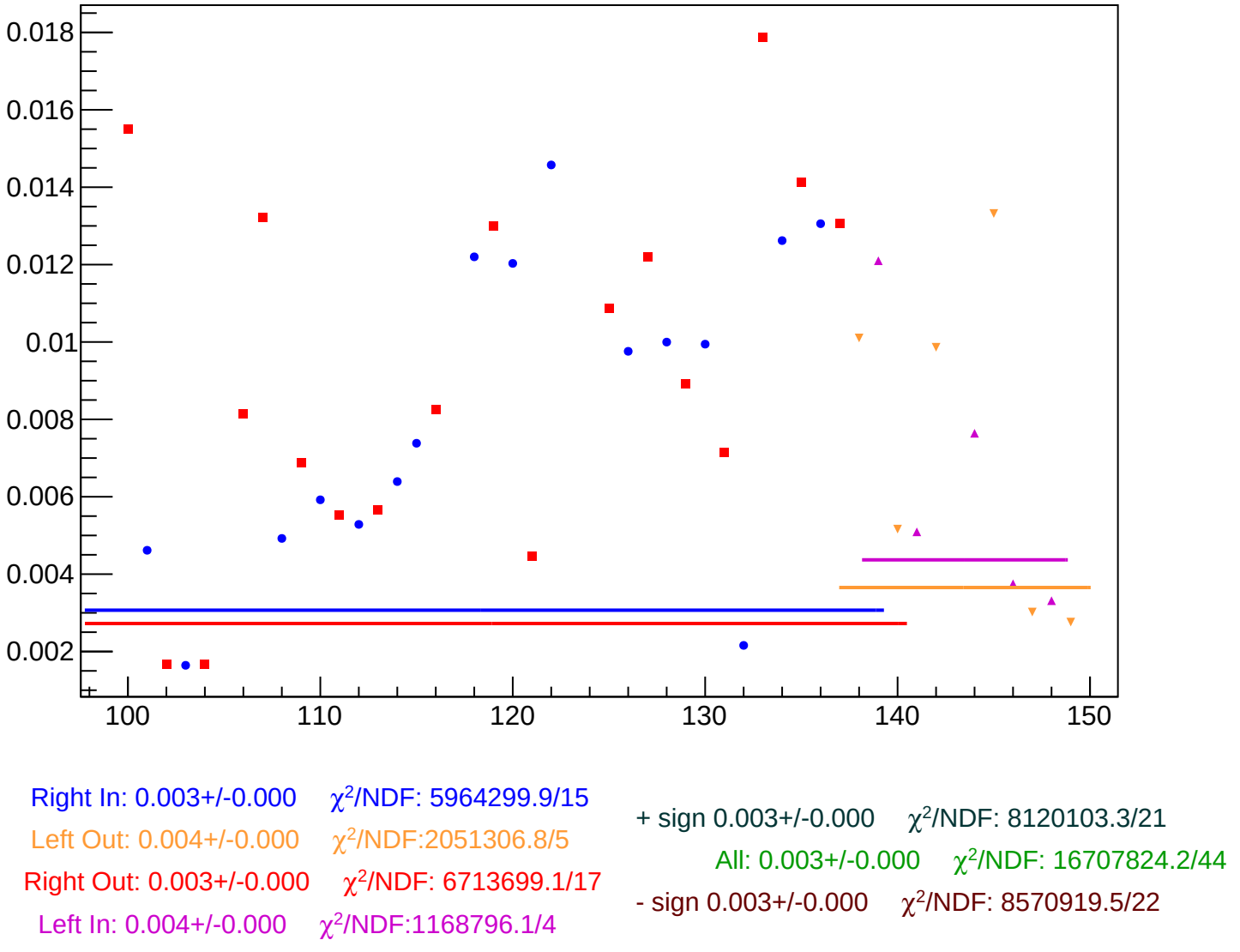
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

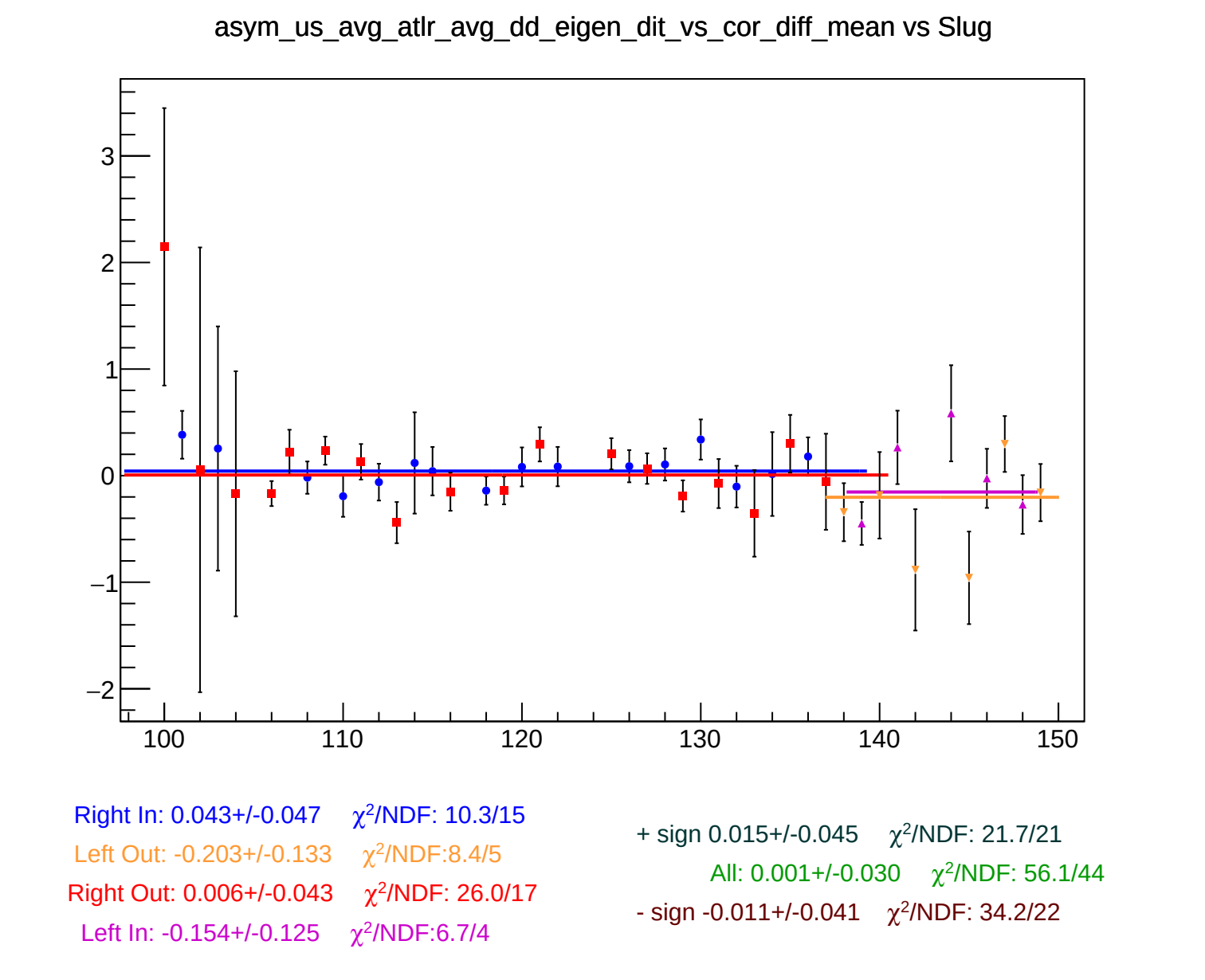
Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

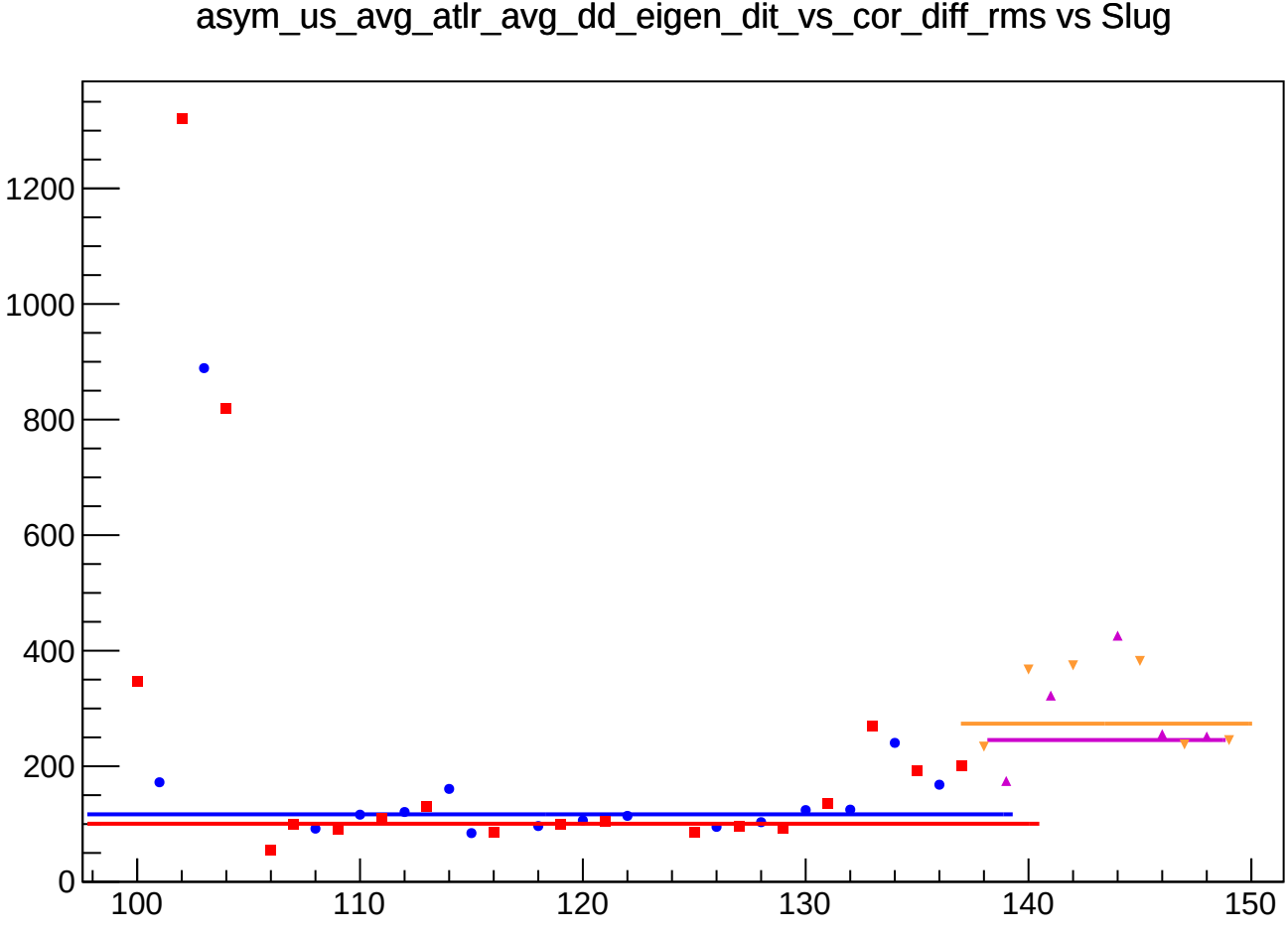
+ sign -0.000+/-0.000 χ^2/NDF: 28.1/21

All: -0.000+/-0.000 χ^2/NDF: 45.9/44

- 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:2051306.8/5
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: 8120103.3/21
All: 0.003+/-0.000 χ²/NDF: 16707824.2/44
- 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: -0.203+/-0.133 χ²/NDF:8.4/5
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.154+/-0.125 χ²/NDF:6.7/4
+ sign 0.015+/-0.045 χ²/NDF: 21.7/21
All: 0.001+/-0.030 χ²/NDF: 56.1/44
- sign -0.011+/-0.041 χ²/NDF: 34.2/22



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 273.725+/-0.094 χ^2/NDF:397407.1/5

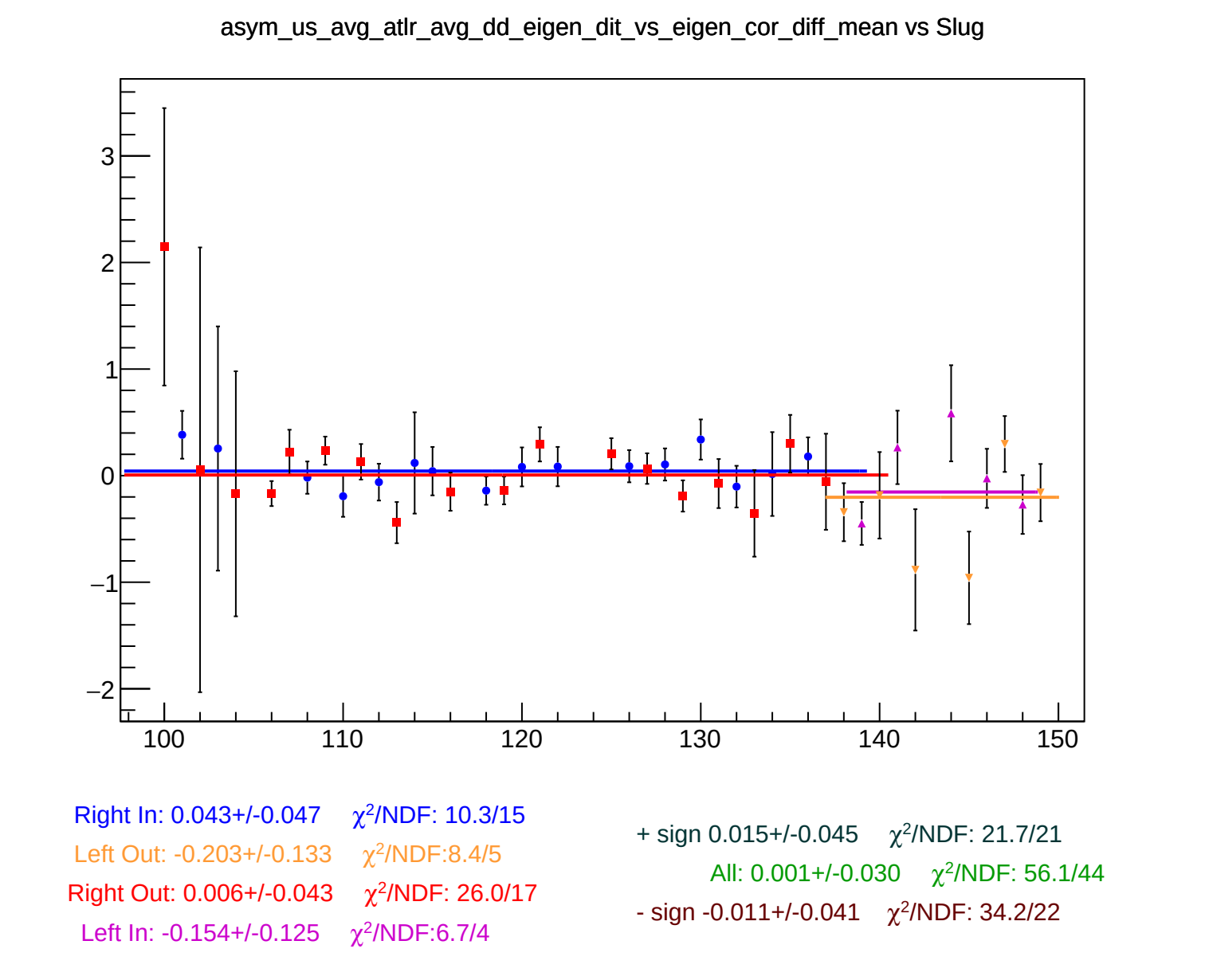
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

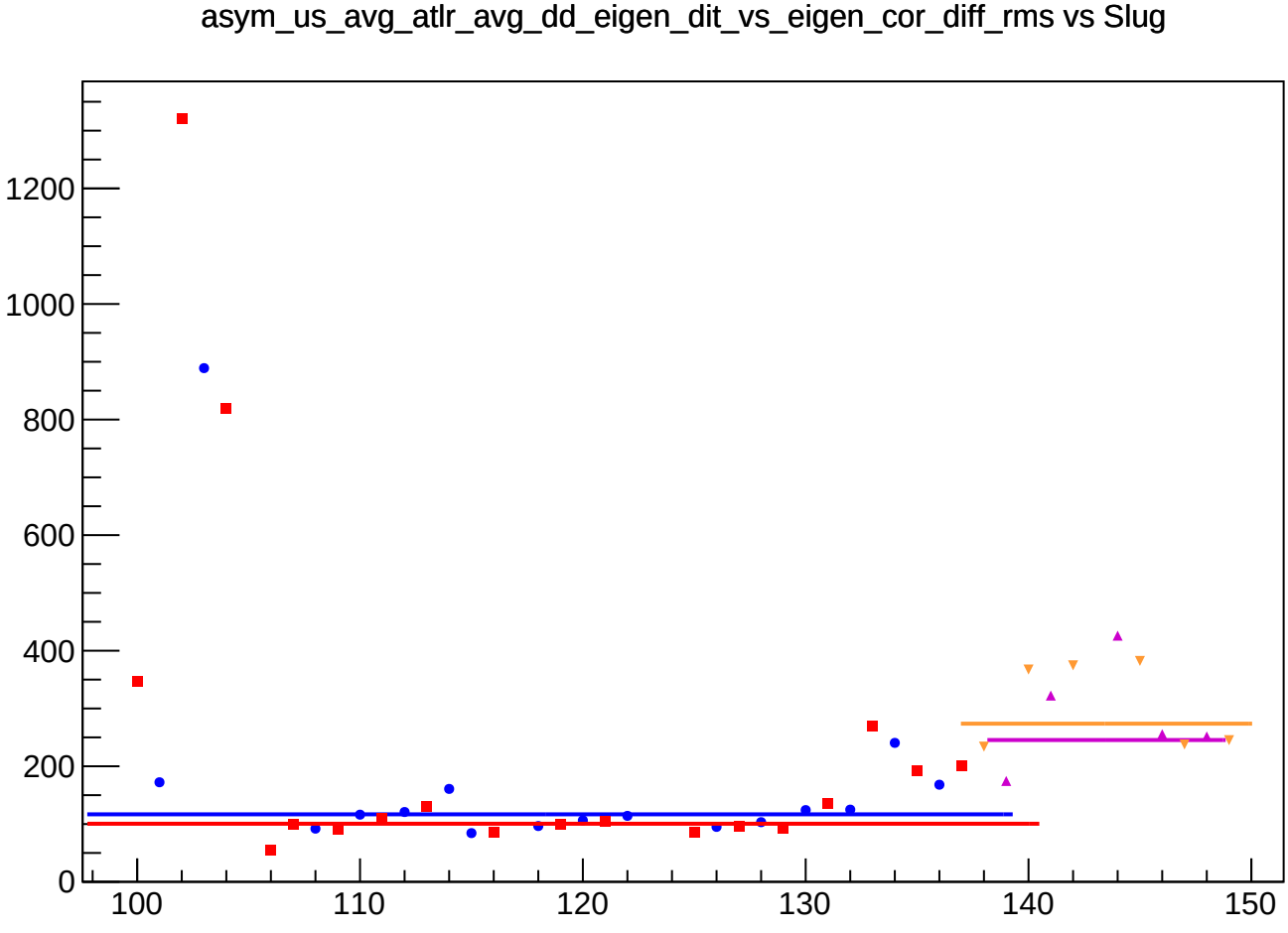
Left In: 245.421+/-0.088 χ^2/NDF:671779.1/4

+ sign 134.515+/-0.032 χ^2/NDF: 4479687.9/21

All: 124.535+/-0.021 χ^2/NDF: 10402535.5/44

- 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: -0.203+/-0.133 χ²/NDF:8.4/5
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.154+/-0.125 χ²/NDF:6.7/4
+ sign 0.015+/-0.045 χ²/NDF: 21.7/21
All: 0.001+/-0.030 χ²/NDF: 56.1/44
- sign -0.011+/-0.041 χ²/NDF: 34.2/22



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 273.725+/-0.094 χ^2/NDF:397407.1/5

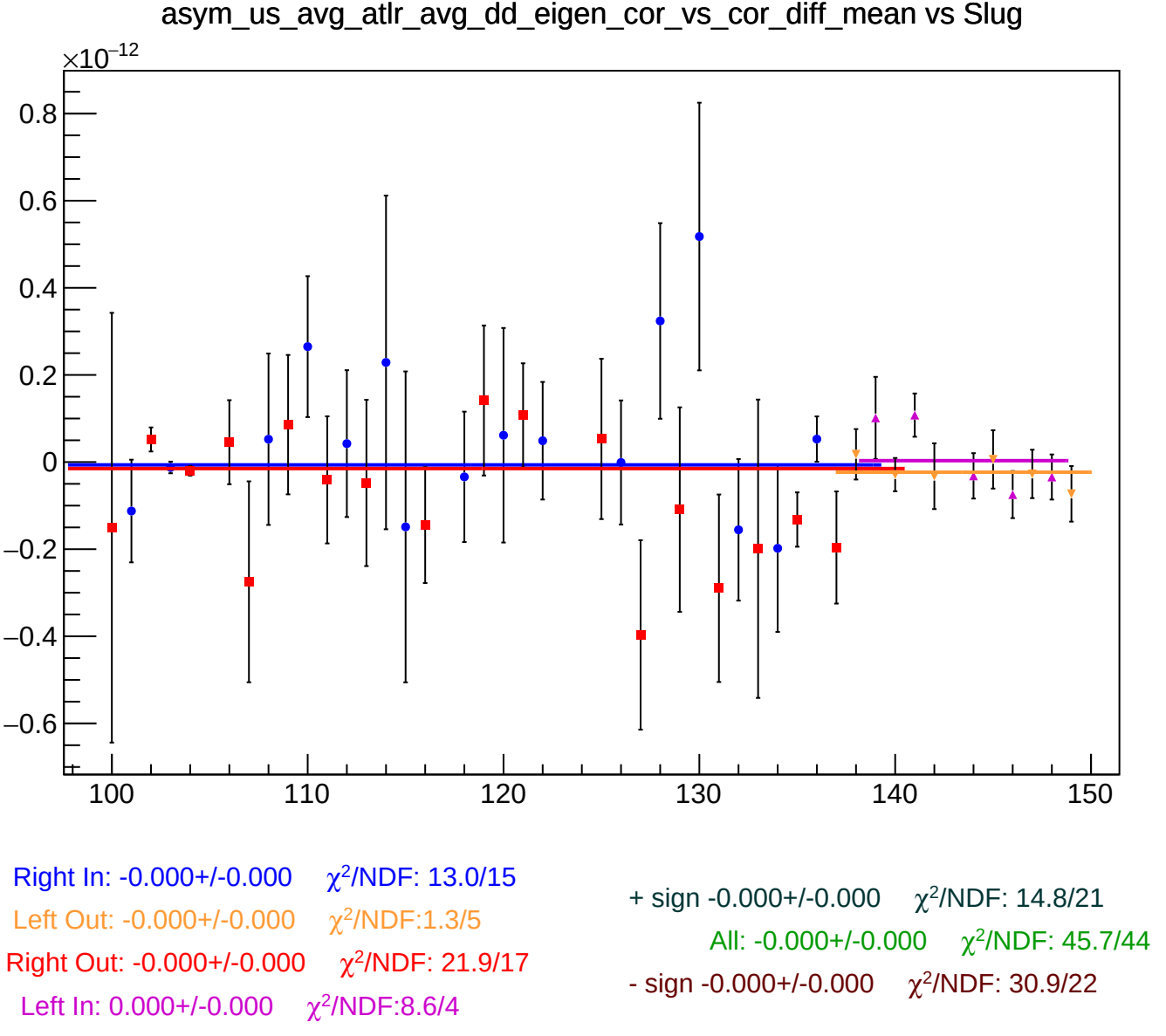
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

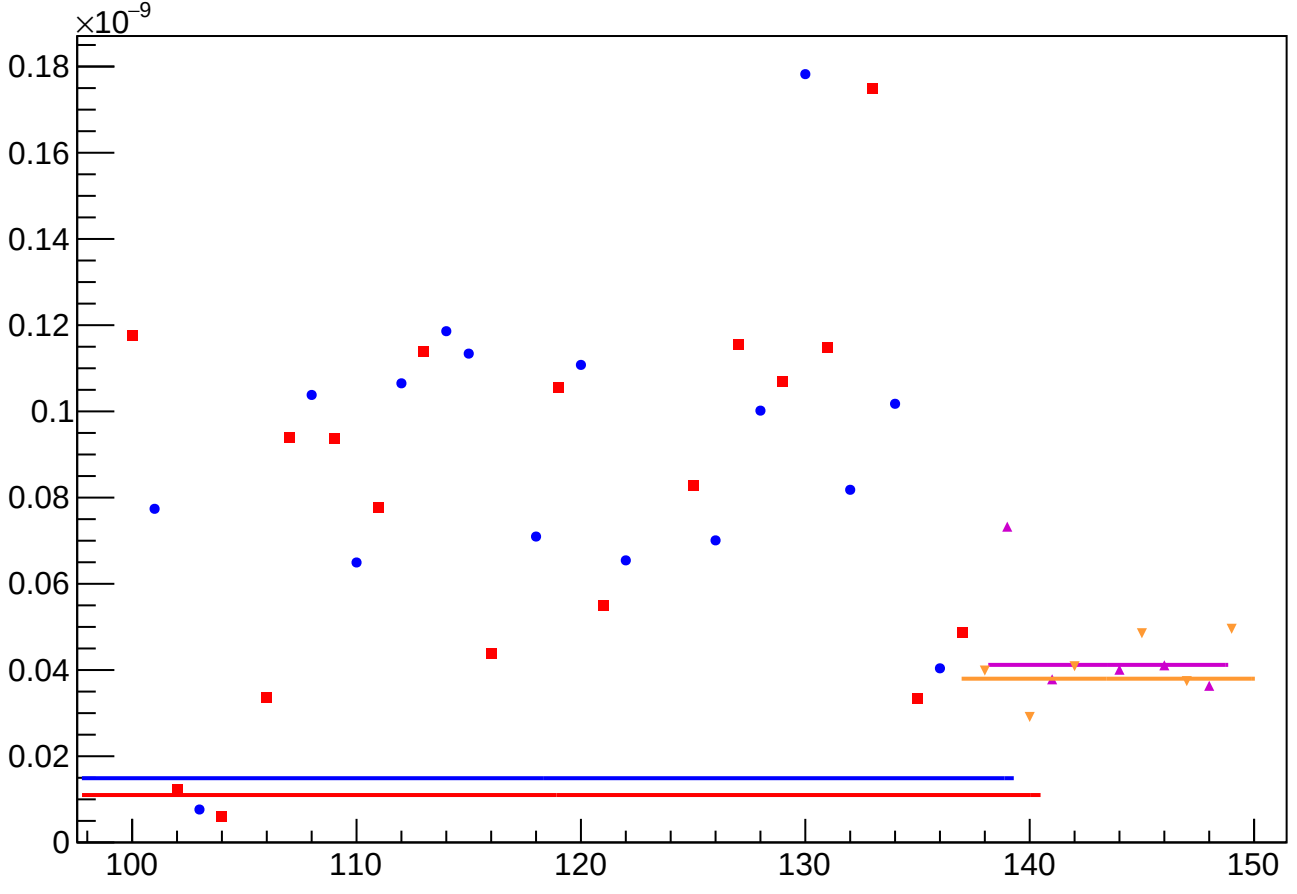
Left In: 245.421+/-0.088 χ^2/NDF:671779.1/4

+ sign 134.515+/-0.032 χ^2/NDF: 4479687.9/21

All: 124.535+/-0.021 χ^2/NDF: 10402535.5/44

- sign 116.153+/-0.029 χ^2/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:1.3/5
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: 14.8/21
All: -0.000+/-0.000 χ²/NDF: 45.7/44
- 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:228785.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

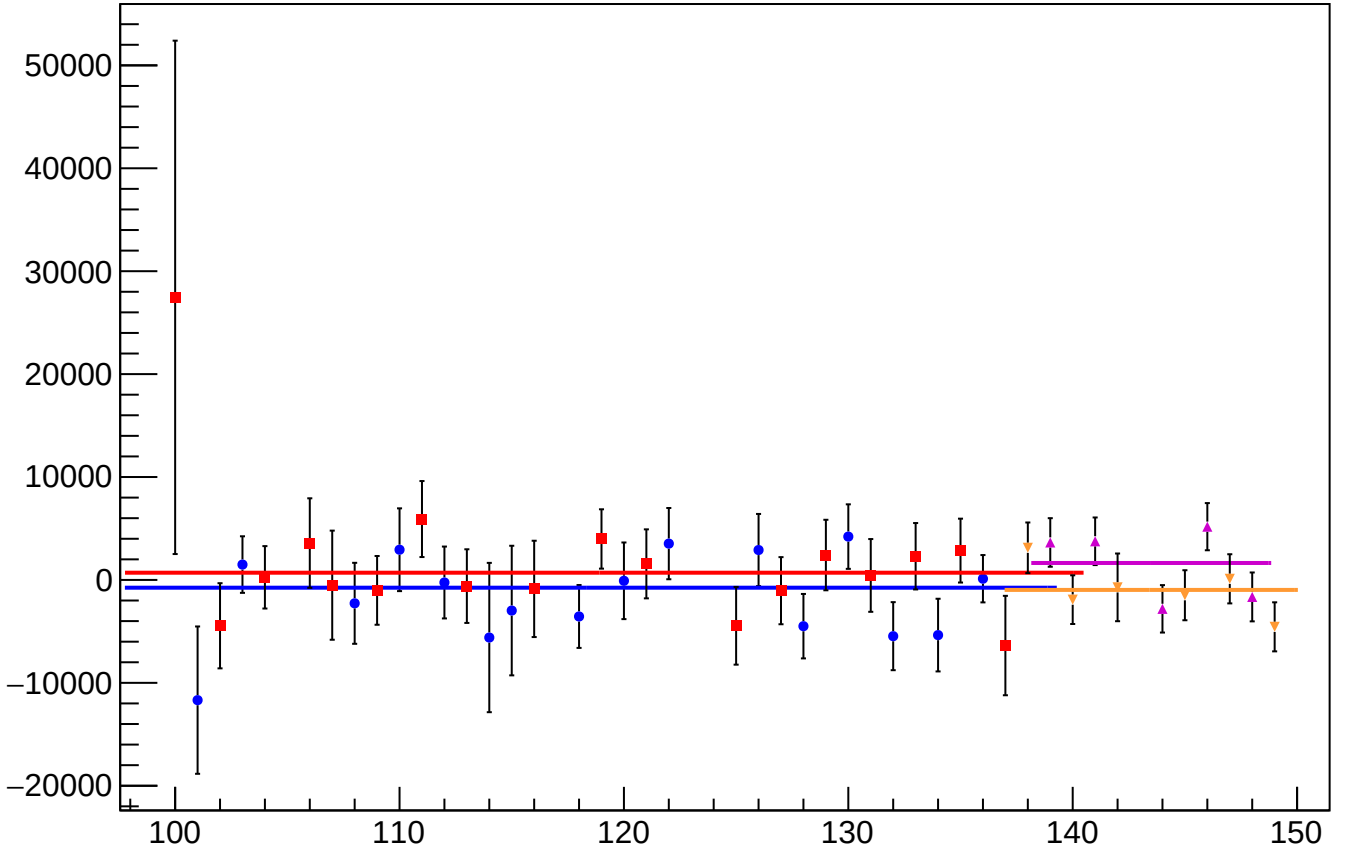
Left In: 0.000+/-0.000 χ^2/NDF:259296.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 7717493.5/21

All: 0.000+/-0.000 χ^2/NDF: 16634275.6/44

- 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: -969.763+/-1022.130 χ^2/NDF:5.5/5

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

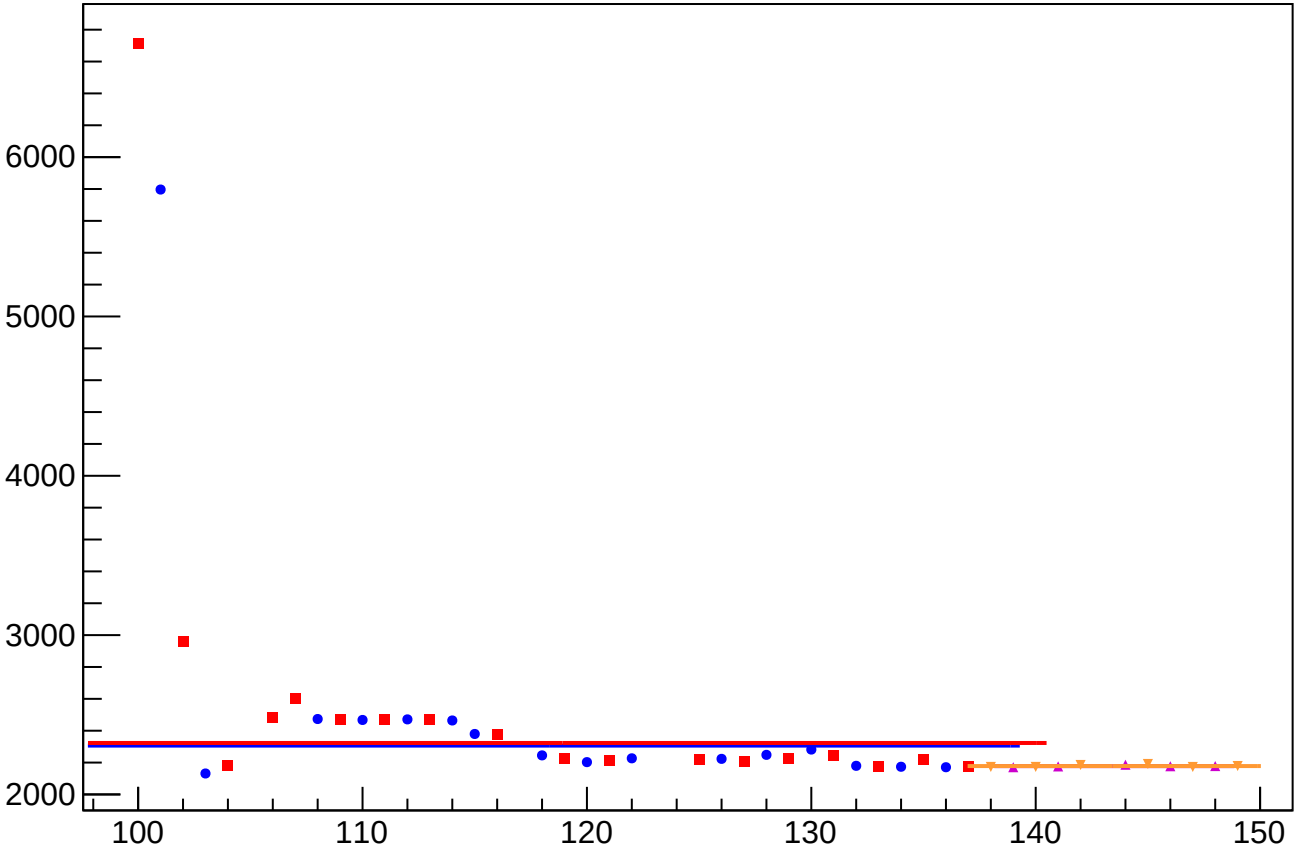
Left In: 1647.588+/-1041.130 χ^2/NDF:9.6/4

+ sign -845.134+/-663.676 χ^2/NDF: 21.4/21

All: 117.719+/-470.455 χ^2/NDF: 48.0/44

- 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: 2178.062+/-0.723 χ^2/NDF:97.9/5

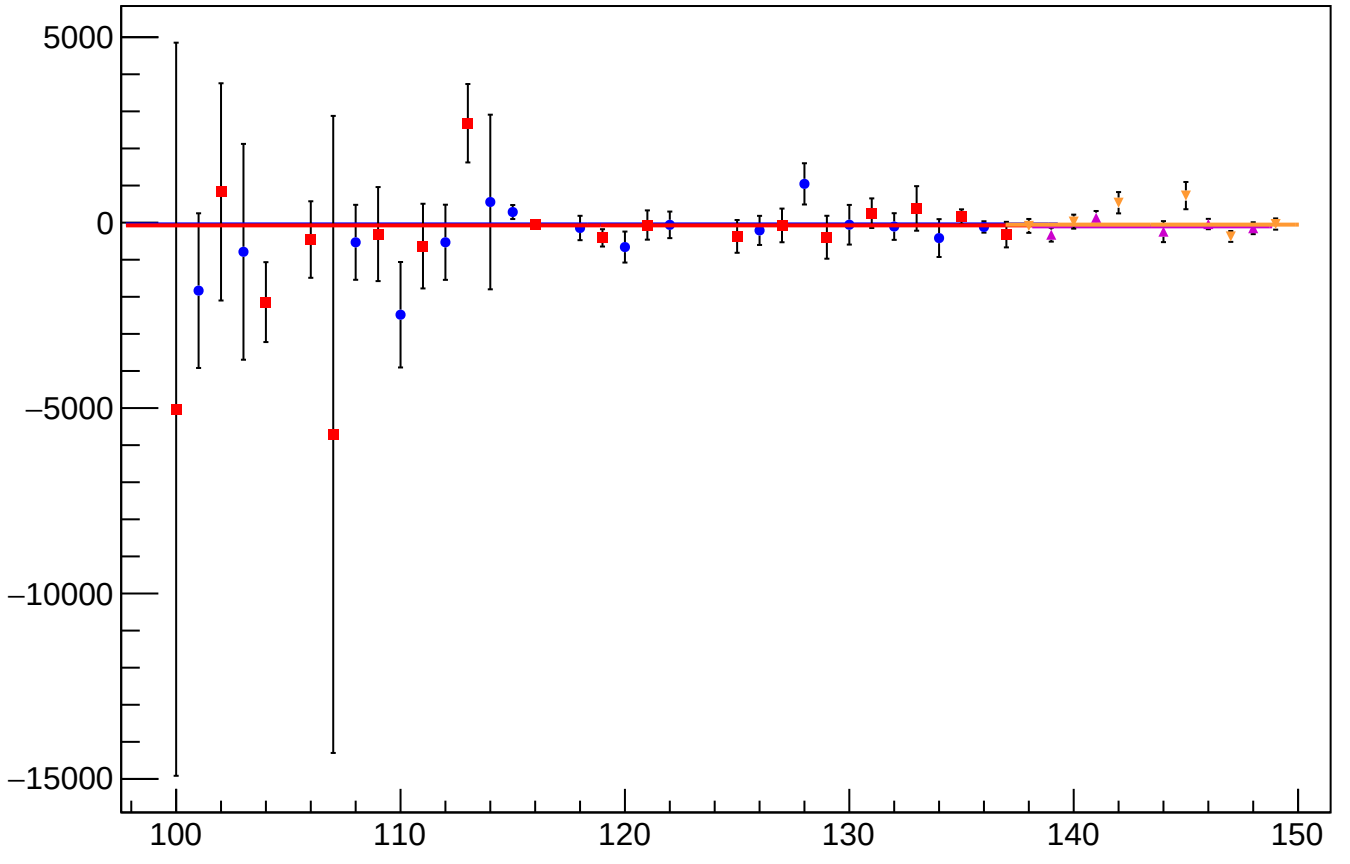
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2177.800+/-0.736 χ^2/NDF:47.3/4

+ sign 2252.434+/-0.469 χ^2/NDF: 532554.5/21

All: 2257.897+/-0.333 χ^2/NDF: 707599.6/44

- 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: -53.767+/-77.508 χ^2/NDF:13.7/5

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

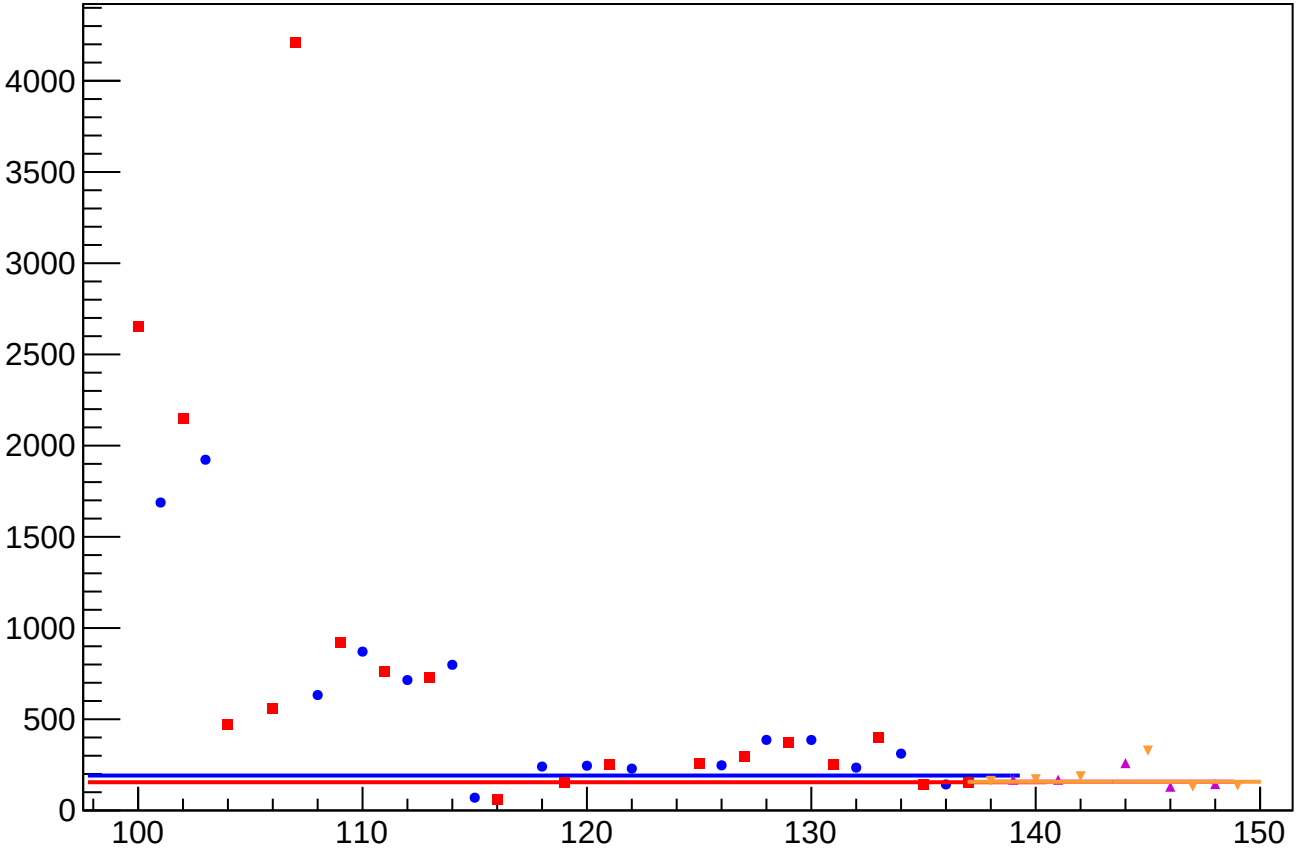
Left In: -100.744+/-78.709 χ^2/NDF:3.6/4

+ sign -51.309+/-58.982 χ^2/NDF: 28.1/21

All: -70.350+/-40.955 χ^2/NDF: 49.6/44

- 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: 157.249+/-0.055 χ^2/NDF:568785.4/5

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

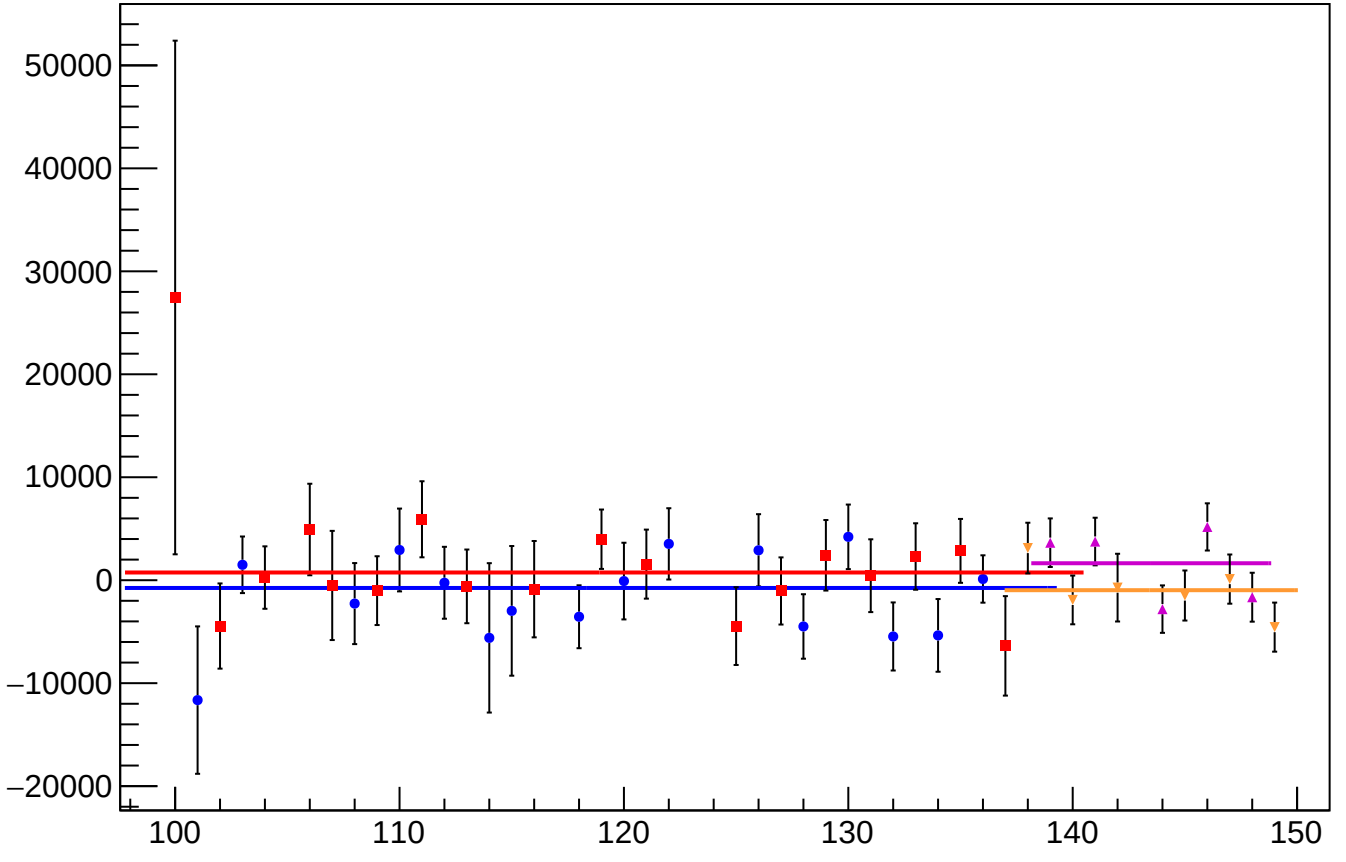
Left In: 157.655+/-0.056 χ^2/NDF:364202.9/4

+ sign 171.615+/-0.042 χ^2/NDF: 5796773.8/21

All: 163.650+/-0.029 χ^2/NDF: 12387065.4/44

- 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: -969.739+/-1022.130 χ^2/NDF:5.5/5

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

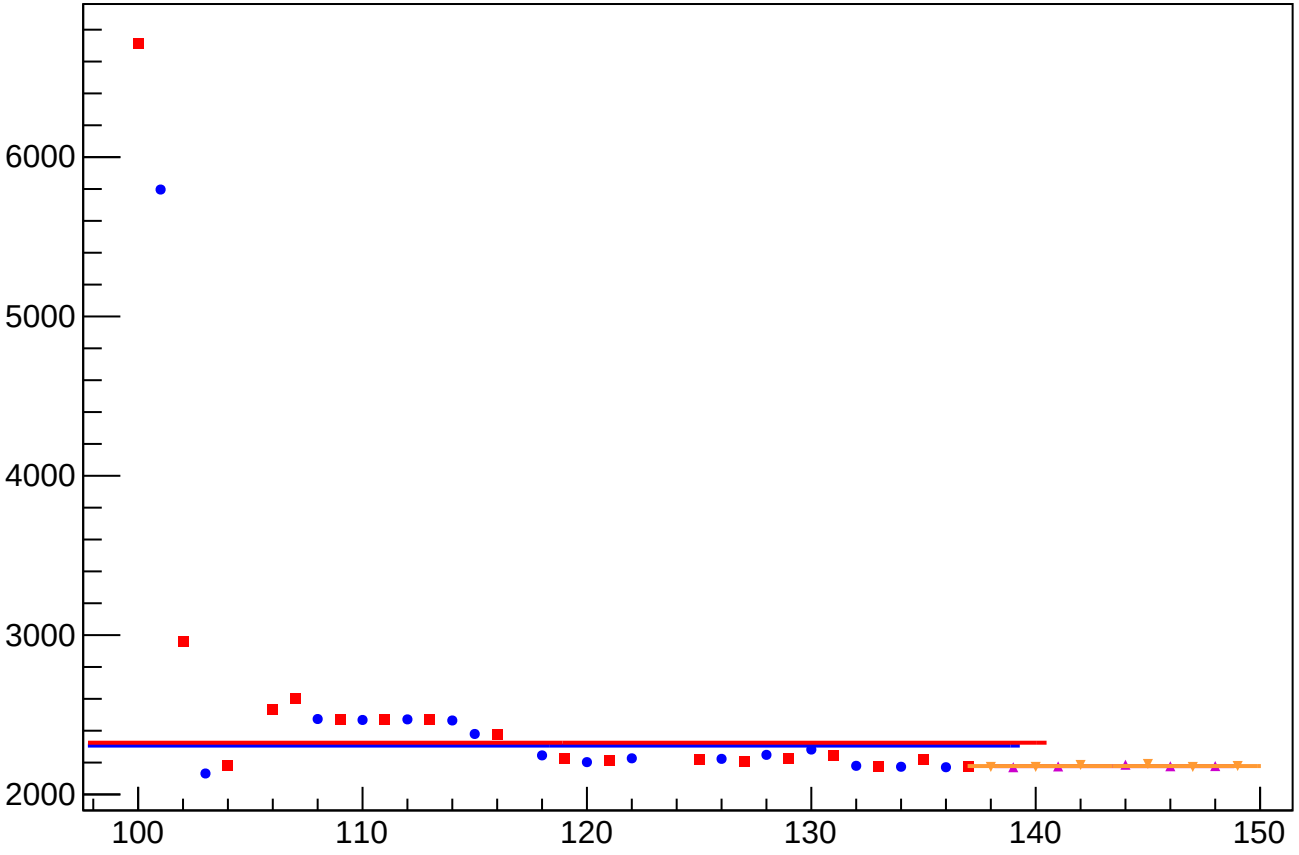
Left In: 1647.570+/-1041.130 χ^2/NDF:9.6/4

+ sign -844.563+/-663.676 χ^2/NDF: 21.3/21

All: 131.524+/-470.570 χ^2/NDF: 48.5/44

- 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: 2178.062+/-0.723 χ^2/NDF:97.9/5

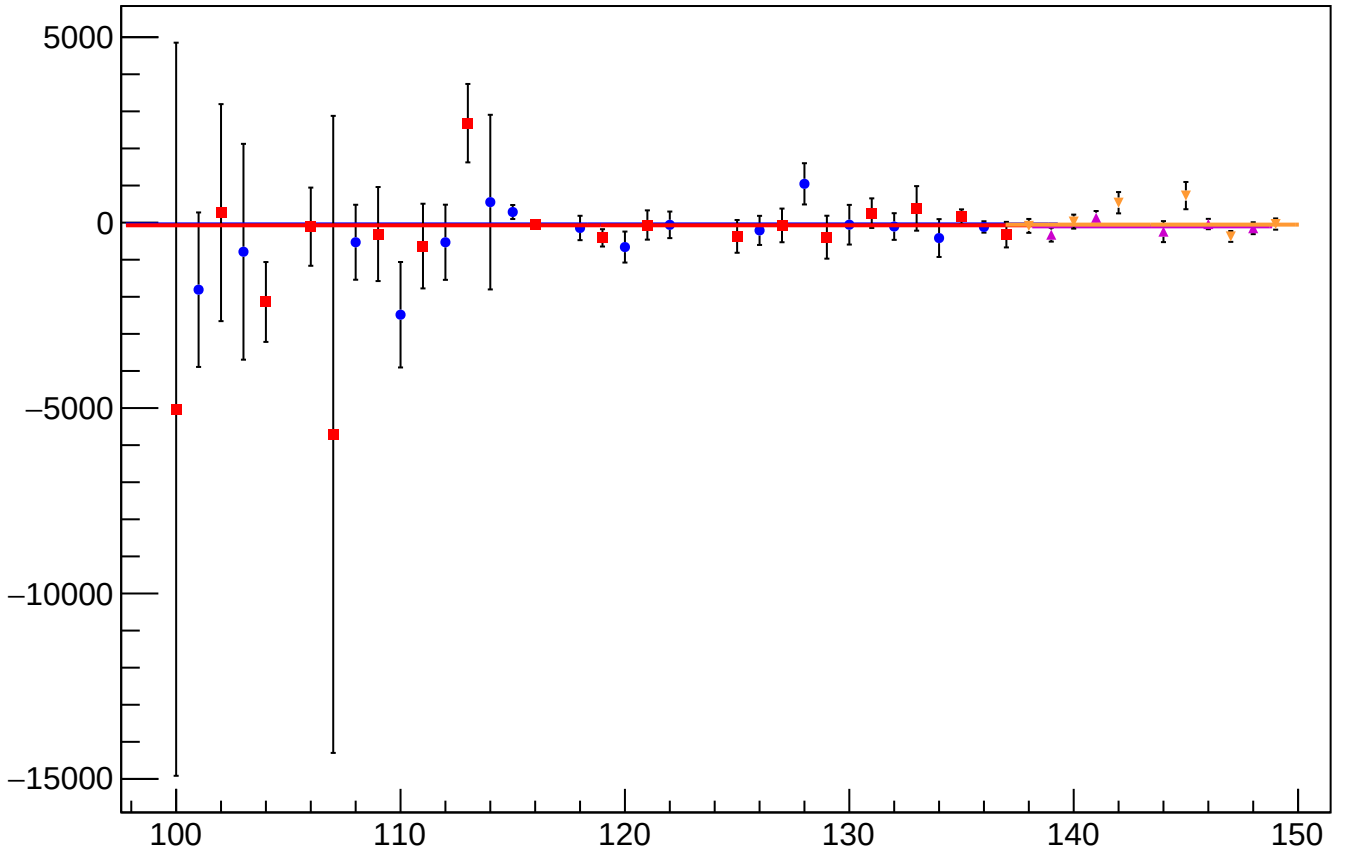
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.800+/-0.736 χ^2/NDF:47.3/4

+ sign 2252.434+/-0.469 χ^2/NDF: 532554.8/21

All: 2258.356+/-0.333 χ^2/NDF: 709955.2/44

- 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: -53.887+/-77.508 χ^2/NDF:13.7/5

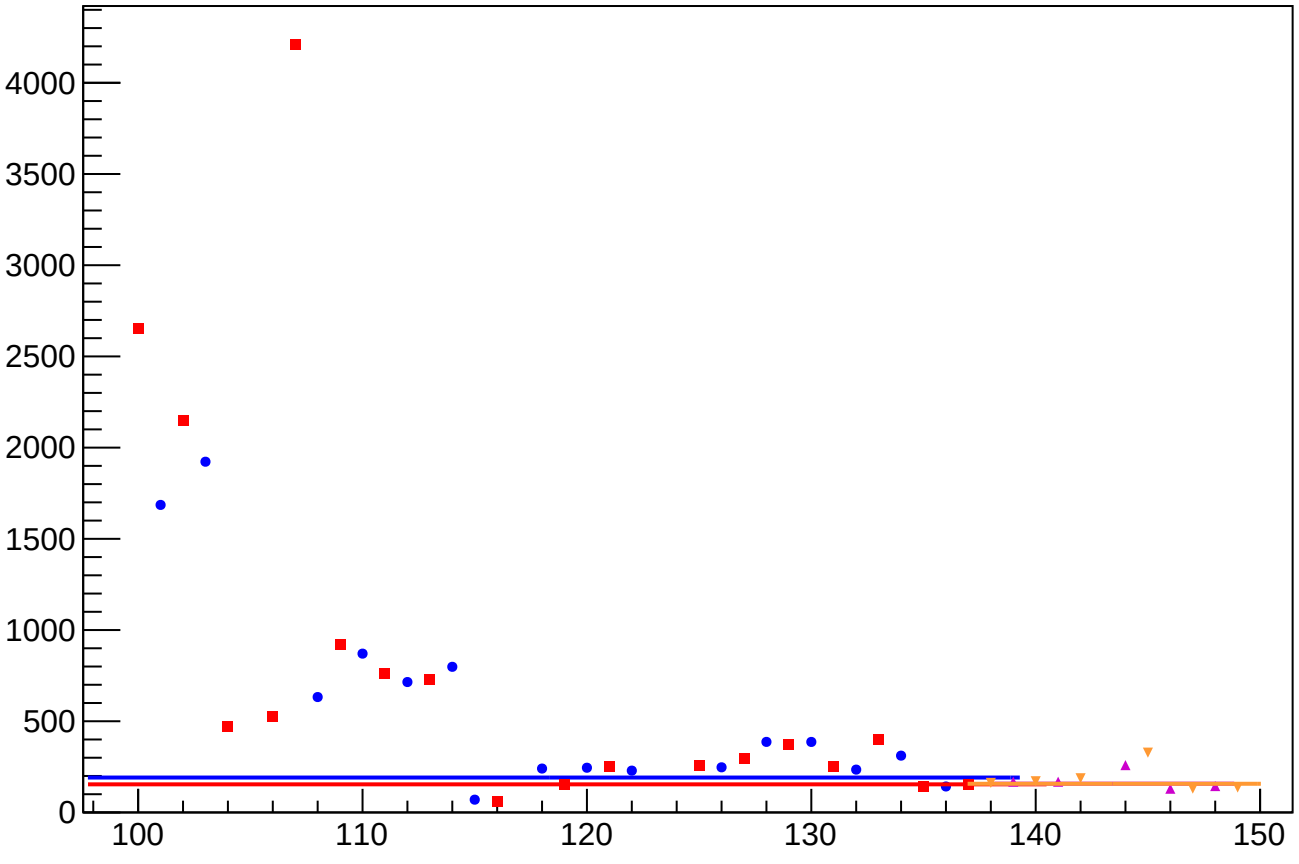
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -100.986+/-78.714 χ^2/NDF:3.6/4

+ sign -51.393+/-58.984 χ^2/NDF: 28.1/21

All: -69.961+/-40.948 χ^2/NDF: 49.4/44

- 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: 157.248+/-0.055 χ^2/NDF:568892.2/5

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

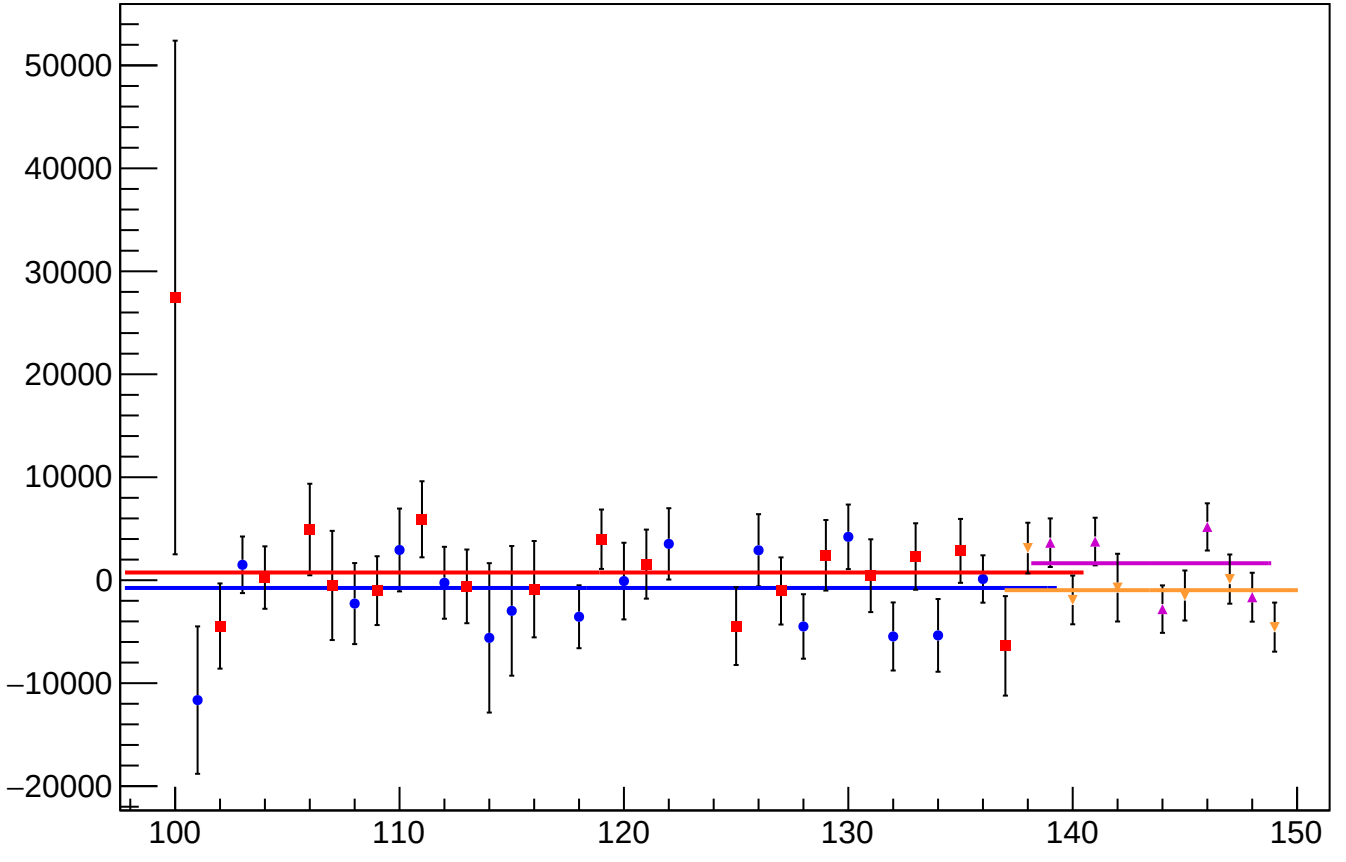
Left In: 157.669+/-0.056 χ^2/NDF:364108.3/4

+ sign 171.624+/-0.042 χ^2/NDF: 5795970.9/21

All: 163.517+/-0.029 χ^2/NDF: 12343615.4/44

- 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: -969.739+/-1022.130 χ^2/NDF:5.5/5

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

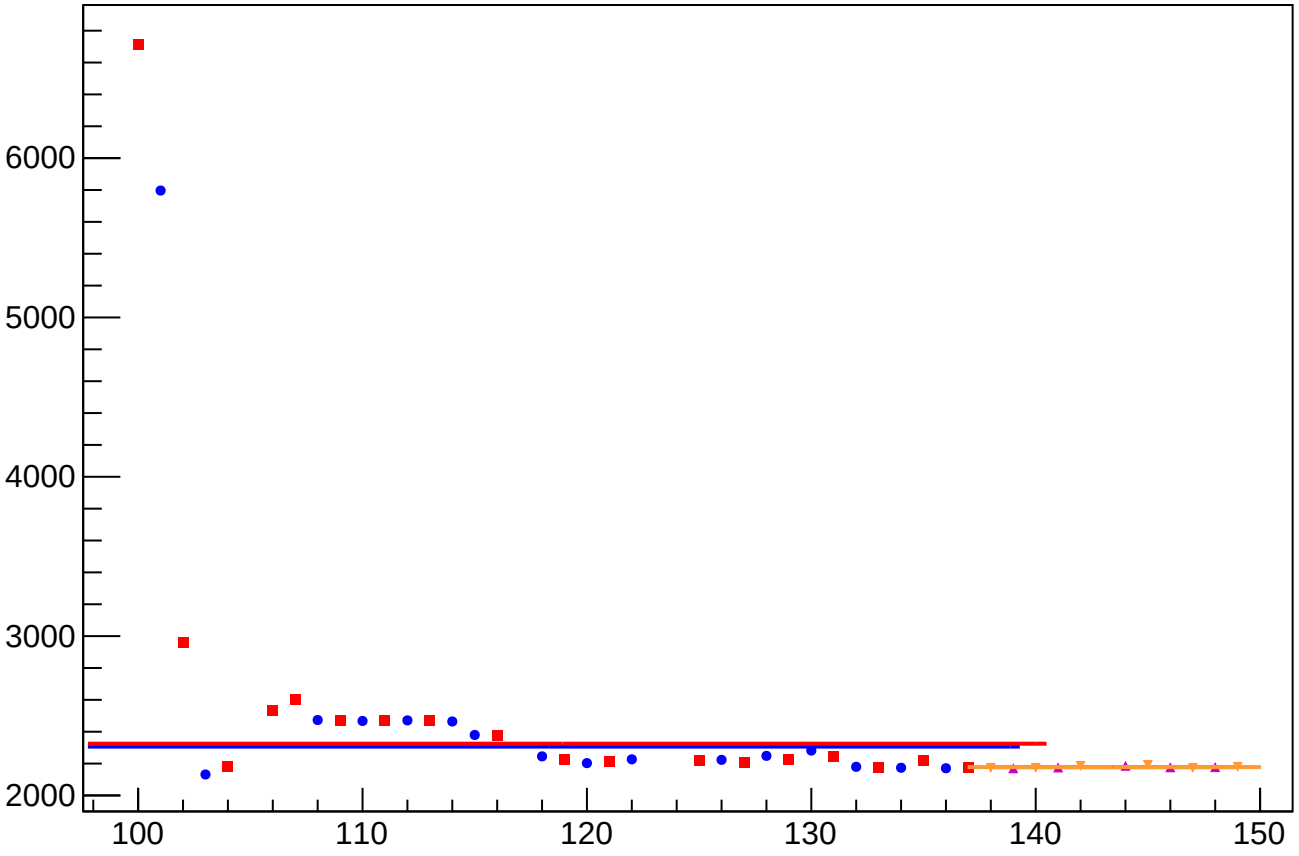
Left In: 1647.570+/-1041.130 χ^2/NDF:9.6/4

+ sign -844.563+/-663.676 χ^2/NDF: 21.3/21

All: 131.524+/-470.570 χ^2/NDF: 48.5/44

- 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: 2178.062+/-0.723 χ^2/NDF:97.9/5

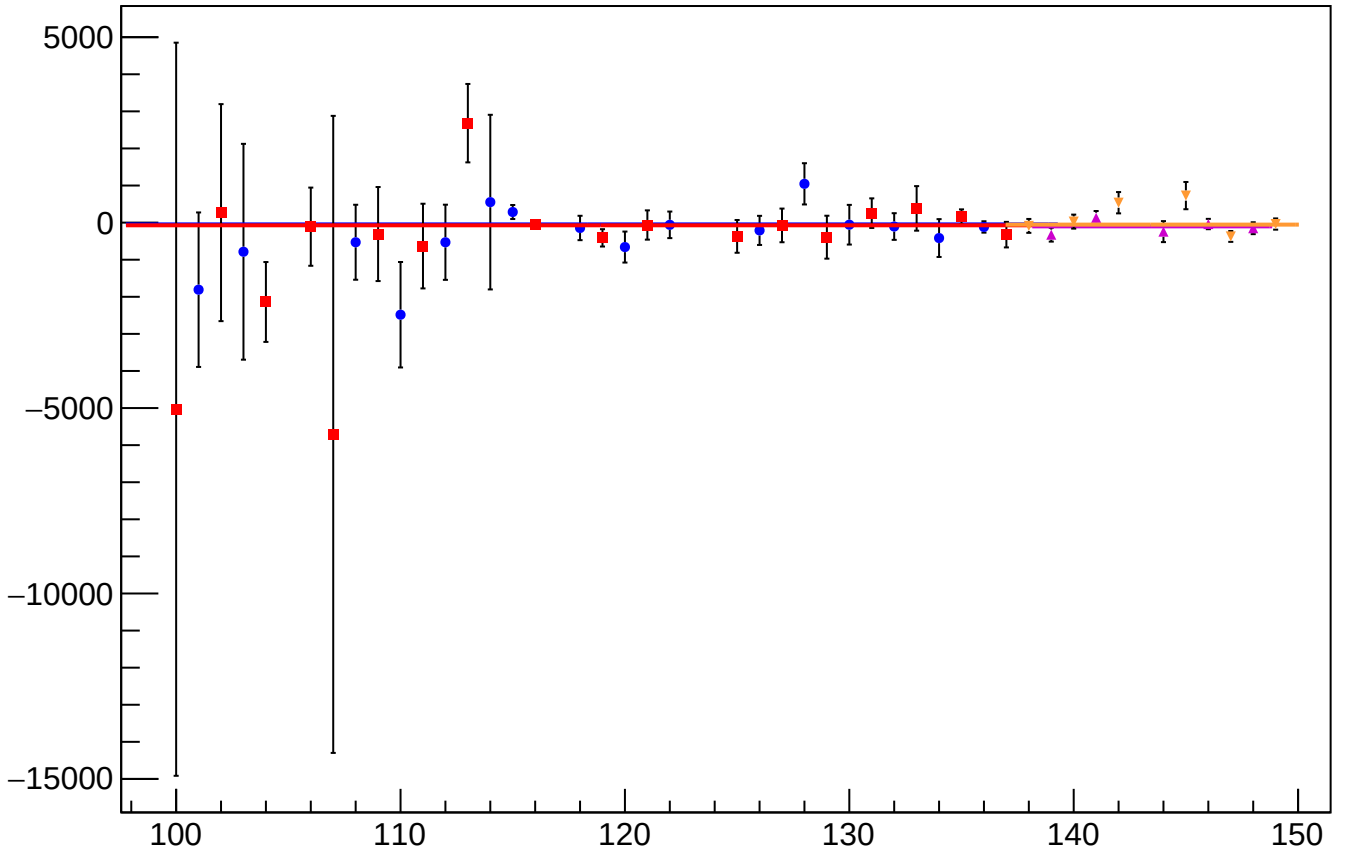
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.800+/-0.736 χ^2/NDF:47.3/4

+ sign 2252.434+/-0.469 χ^2/NDF: 532554.8/21

All: 2258.356+/-0.333 χ^2/NDF: 709955.2/44

- 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: -53.887+/-77.508 χ^2/NDF:13.7/5

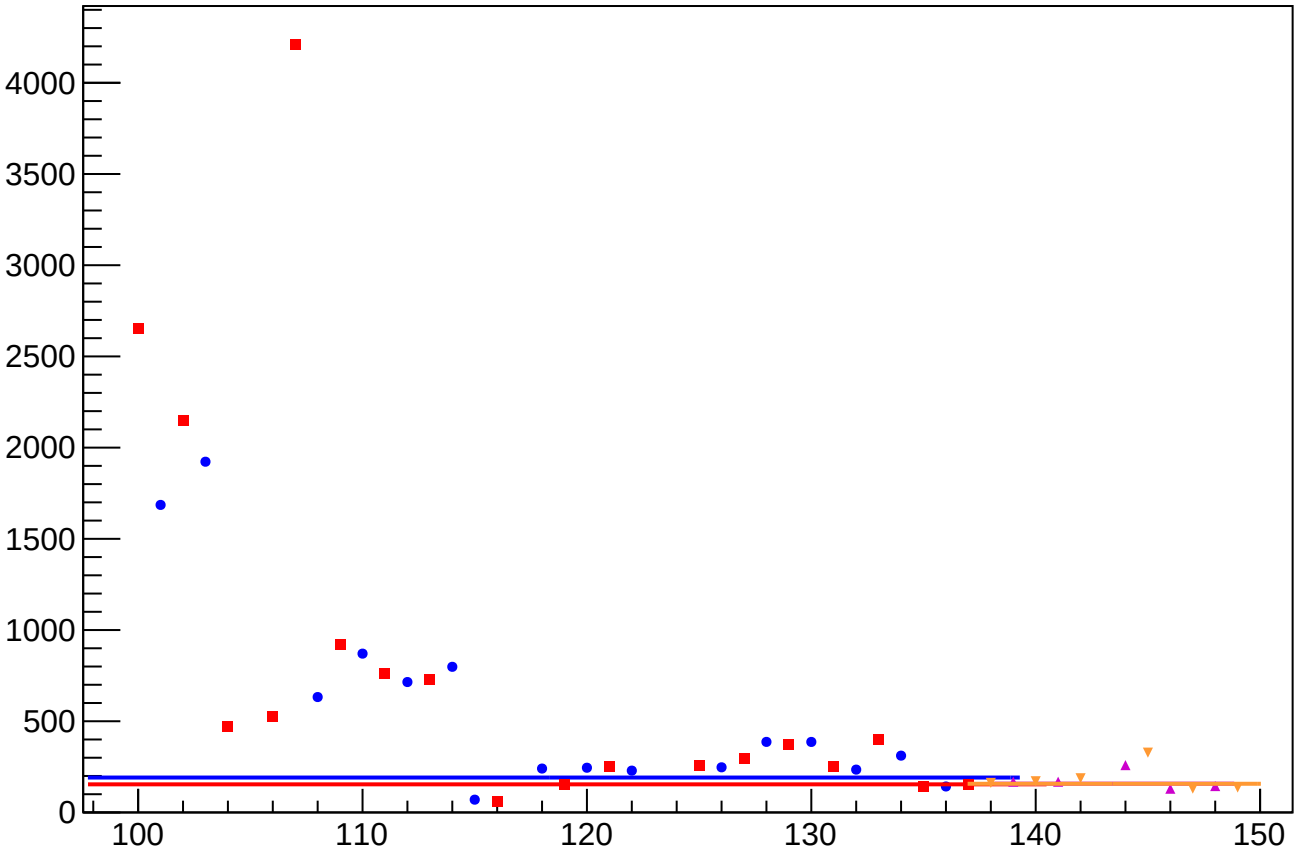
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -100.986+/-78.714 χ^2/NDF:3.6/4

+ sign -51.393+/-58.984 χ^2/NDF: 28.1/21

All: -69.961+/-40.948 χ^2/NDF: 49.4/44

- 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: 157.248+/-0.055 χ^2/NDF:568892.2/5

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

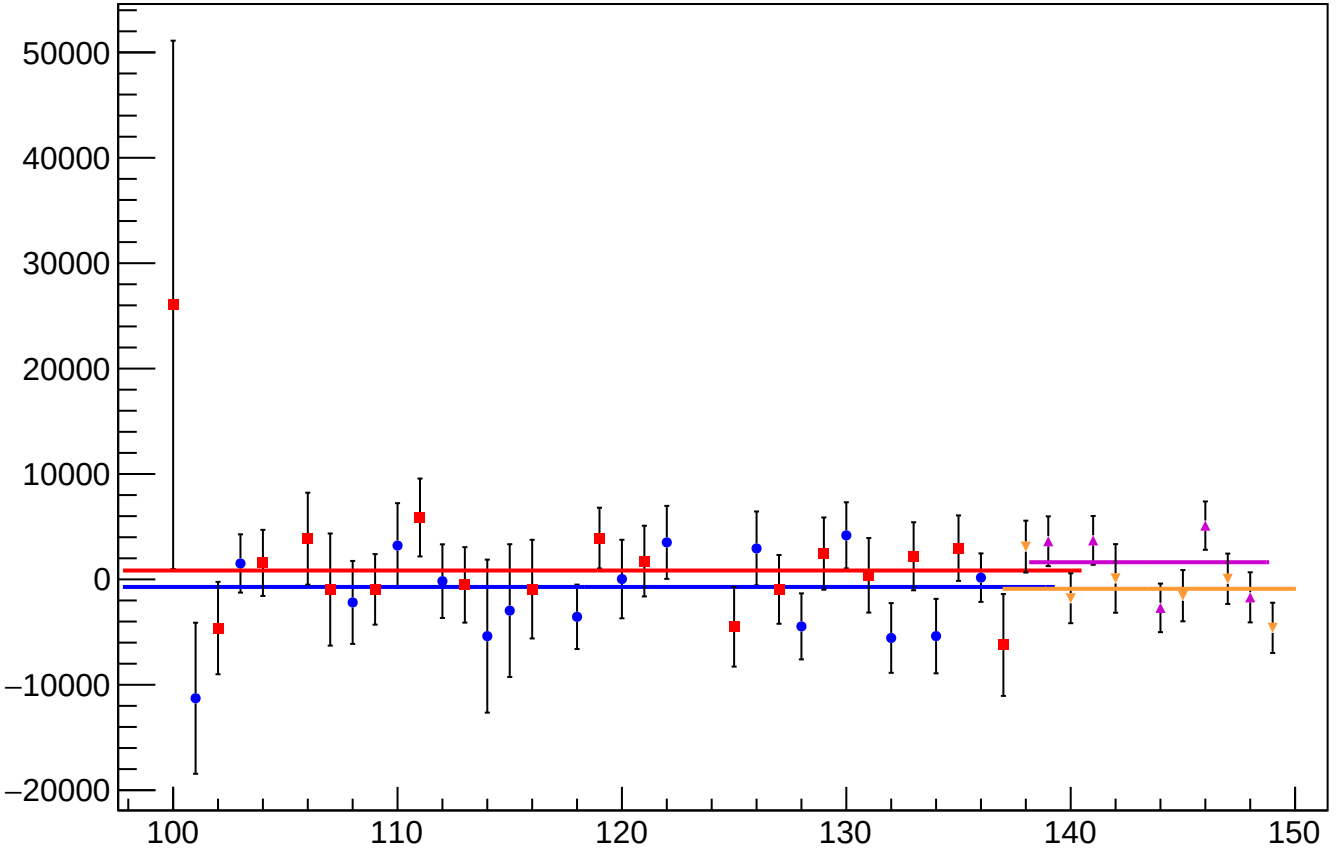
Left In: 157.669+/-0.056 χ^2/NDF:364108.3/4

+ sign 171.624+/-0.042 χ^2/NDF: 5795970.9/21

All: 163.517+/-0.029 χ^2/NDF: 12343615.4/44

- sign 155.974+/-0.040 χ^2/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: -894.515+/-1021.433 χ^2/NDF:5.5/5

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

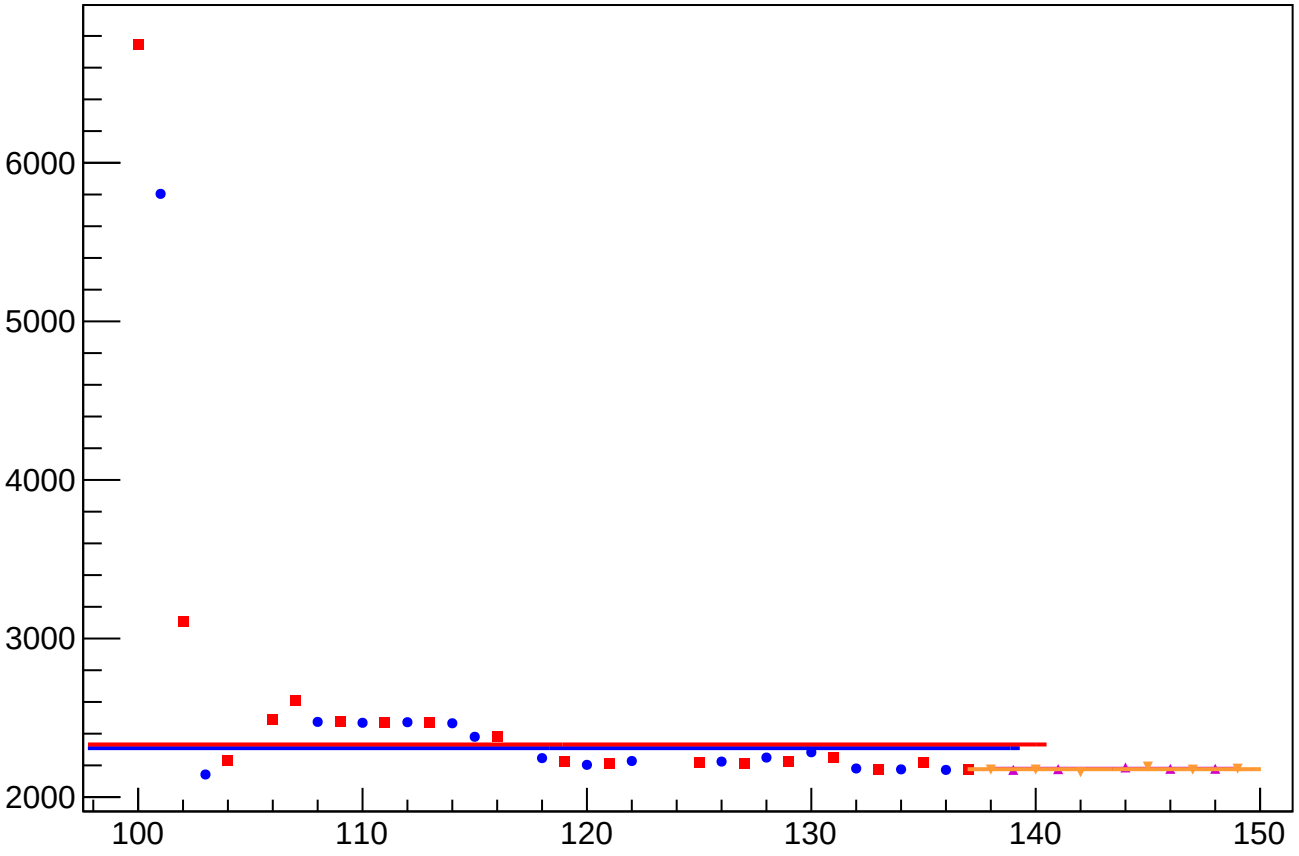
Left In: 1627.674+/-1041.552 χ^2/NDF:9.3/4

+ sign -792.066+/-663.874 χ^2/NDF: 21.4/21

All: 179.232+/-471.346 χ^2/NDF: 47.5/44

- 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: 2176.013+/-0.722 χ^2/NDF:173.6/5

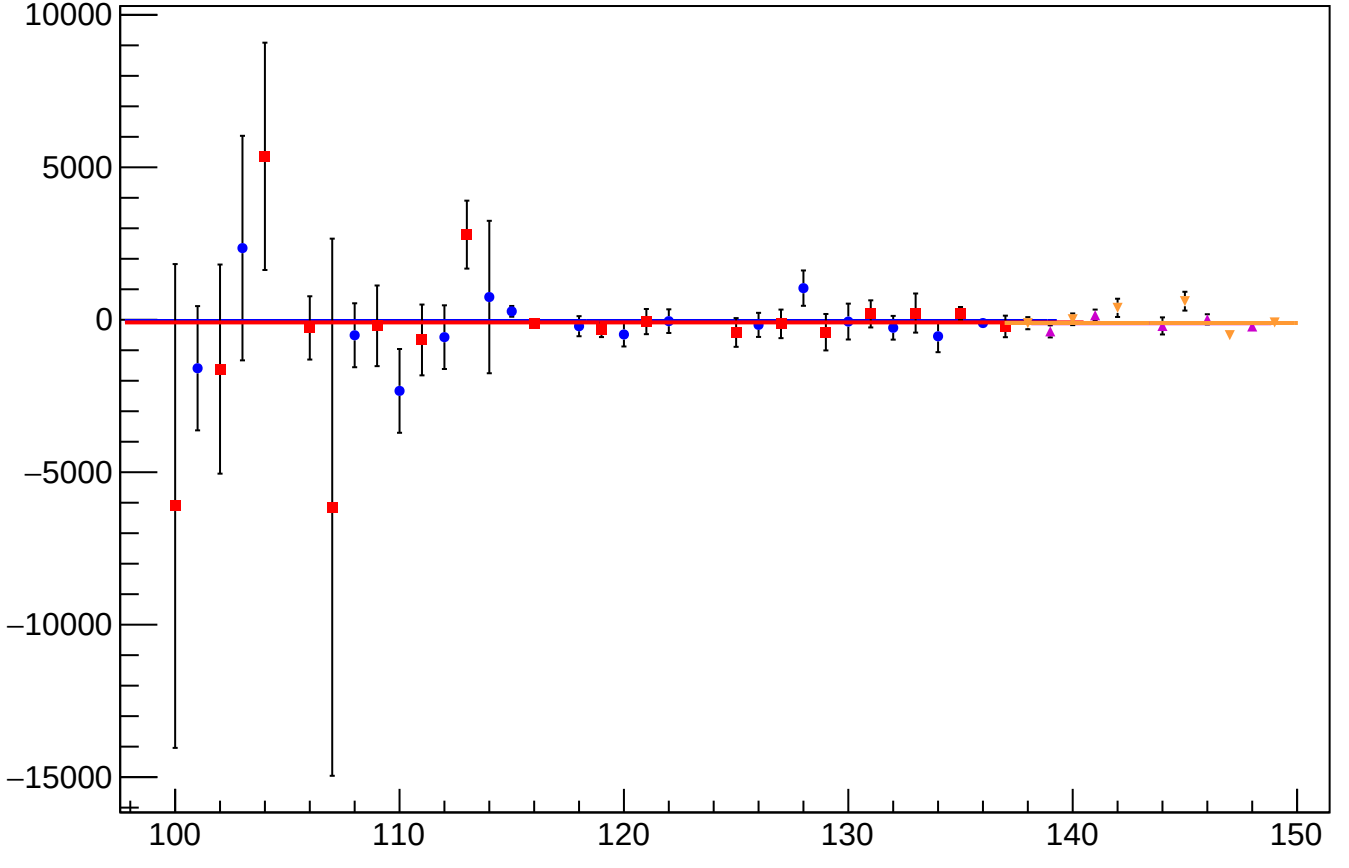
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2178.682+/-0.736 χ^2/NDF:45.5/4

+ sign 2252.672+/-0.469 χ^2/NDF: 533420.2/21

All: 2260.569+/-0.333 χ^2/NDF: 726748.1/44

- 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: -105.569+/-78.817 χ^2/NDF:15.3/5

Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

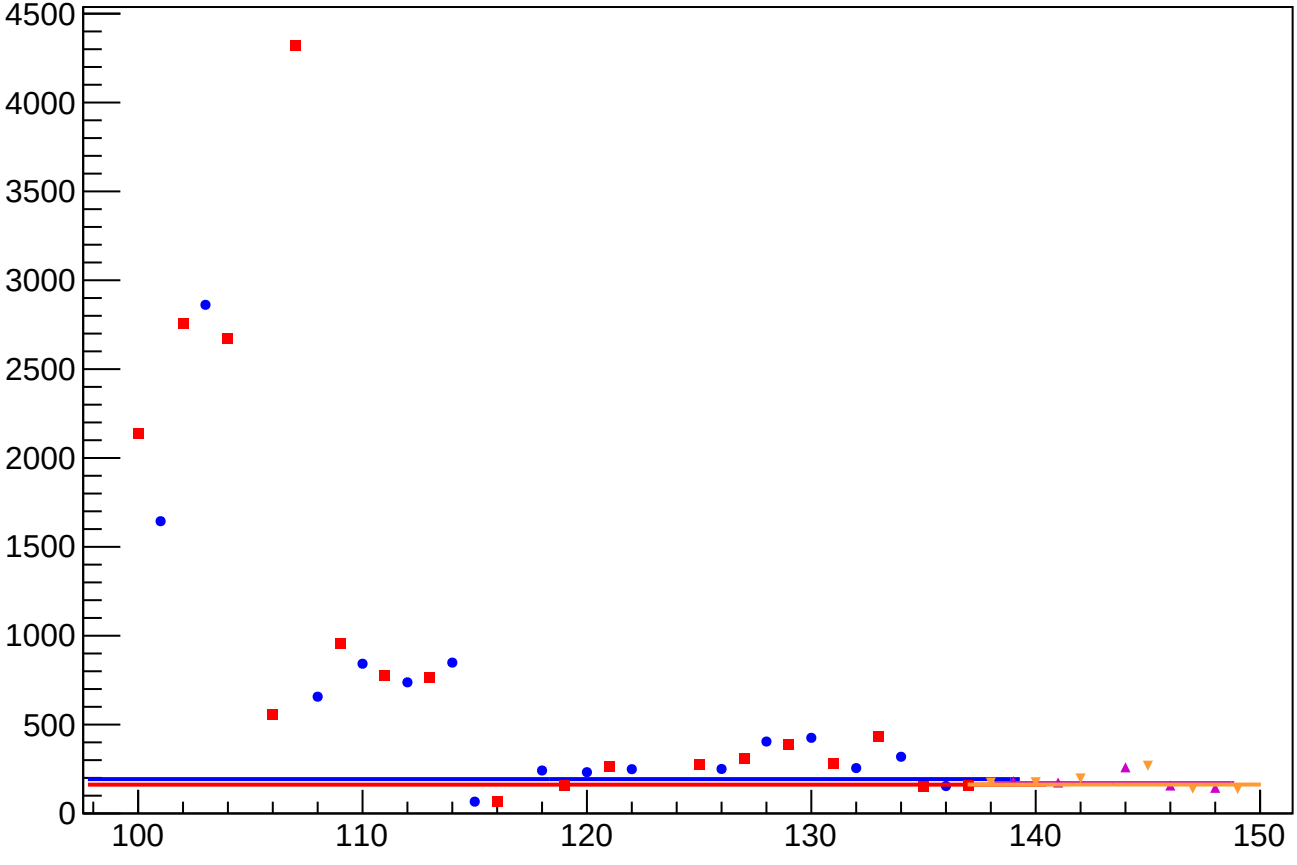
Left In: -113.108+/-83.564 χ^2/NDF:4.9/4

+ sign -78.007+/-59.967 χ^2/NDF: 29.7/21

All: -89.075+/-42.401 χ^2/NDF: 49.7/44

- 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: 162.695+/-0.056 χ^2/NDF:379256.2/5

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

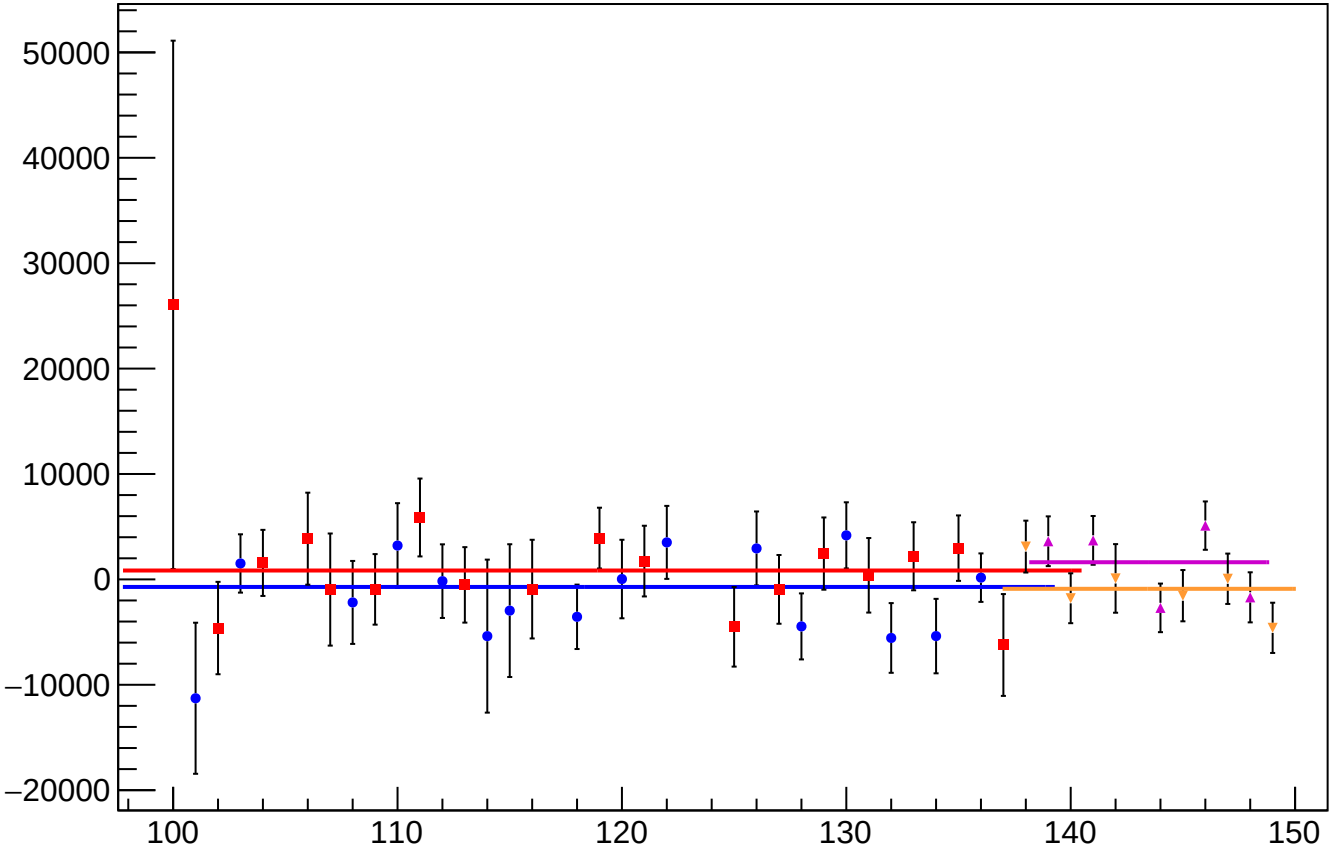
Left In: 170.531+/-0.059 χ^2/NDF:277921.8/4

+ sign 175.564+/-0.042 χ^2/NDF: 6123725.5/21

All: 171.006+/-0.030 χ^2/NDF: 13505094.4/44

- sign 166.448+/-0.042 χ^2/NDF: 7358255.0/22

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -894.517+/-1021.433 χ^2/NDF:5.5/5

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

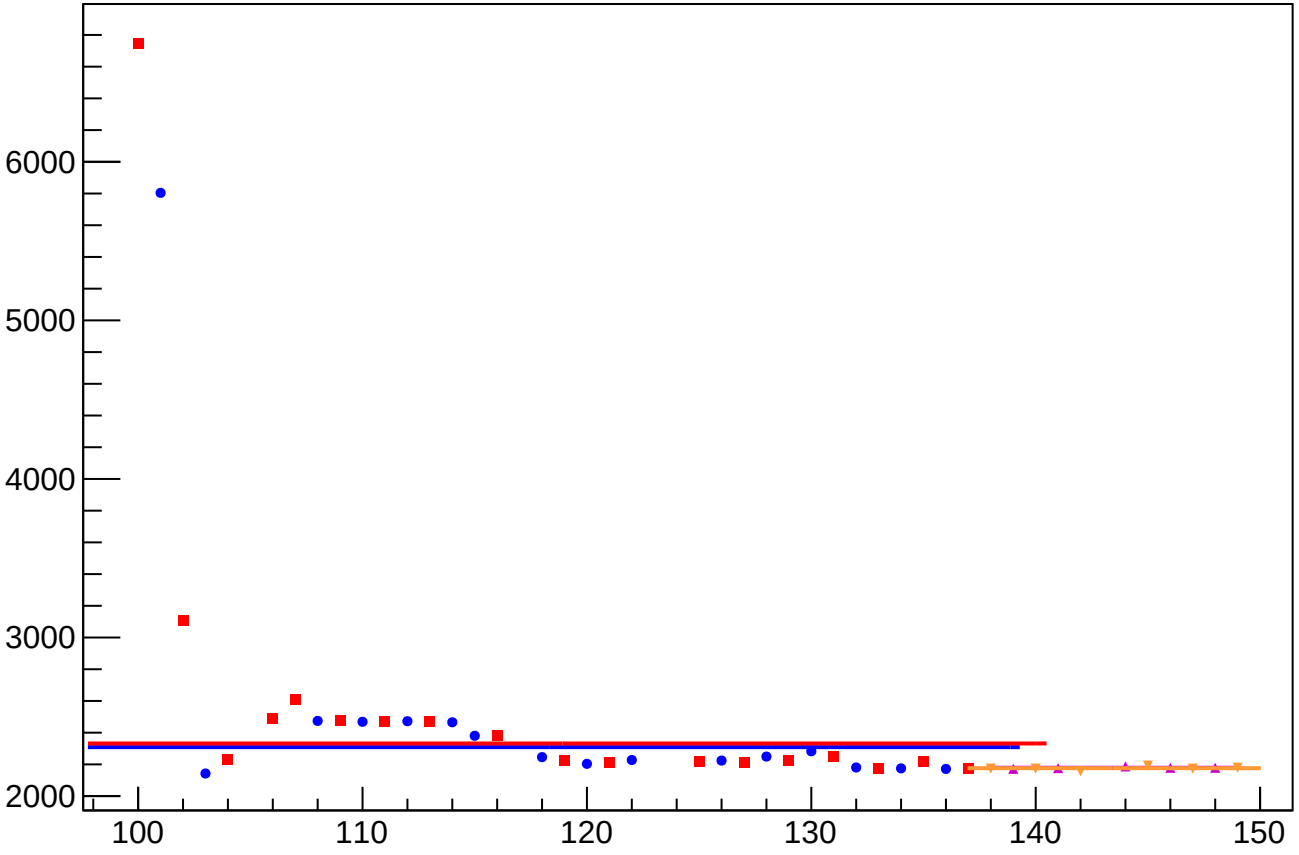
Left In: 1627.673+/-1041.552 χ^2/NDF:9.3/4

\+ sign -792.067+/-663.874 χ^2/NDF: 21.4/21

All: 179.232+/-471.346 χ^2/NDF: 47.5/44

\- 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: 2176.013+/-0.722 χ^2/NDF:173.6/5

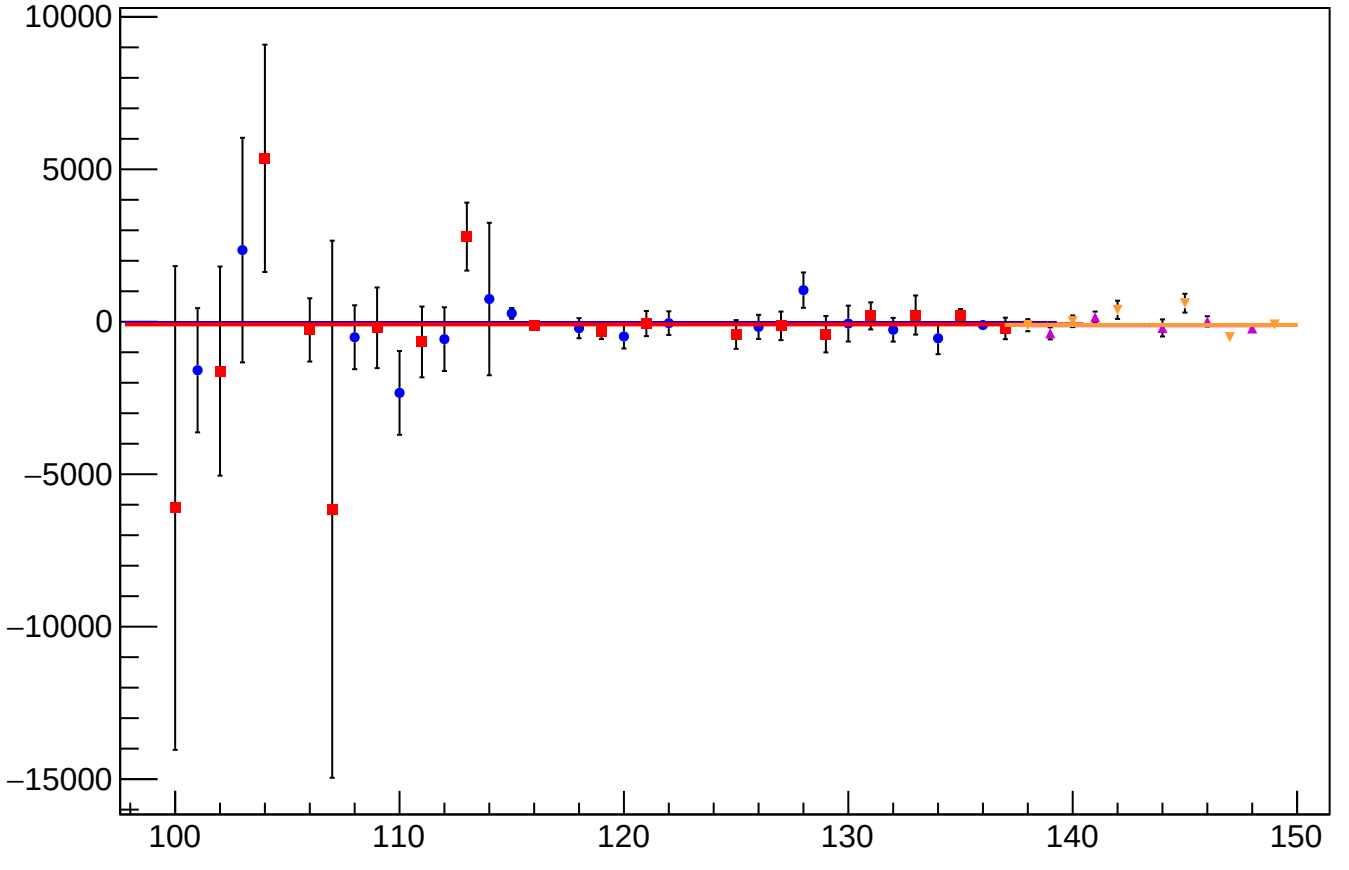
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2178.682+/-0.736 χ^2/NDF:45.5/4

+ sign 2252.672+/-0.469 χ^2/NDF: 533420.2/21

All: 2260.569+/-0.333 χ^2/NDF: 726748.0/44

- 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: -105.569+/-78.817 χ^2/NDF:15.3/5

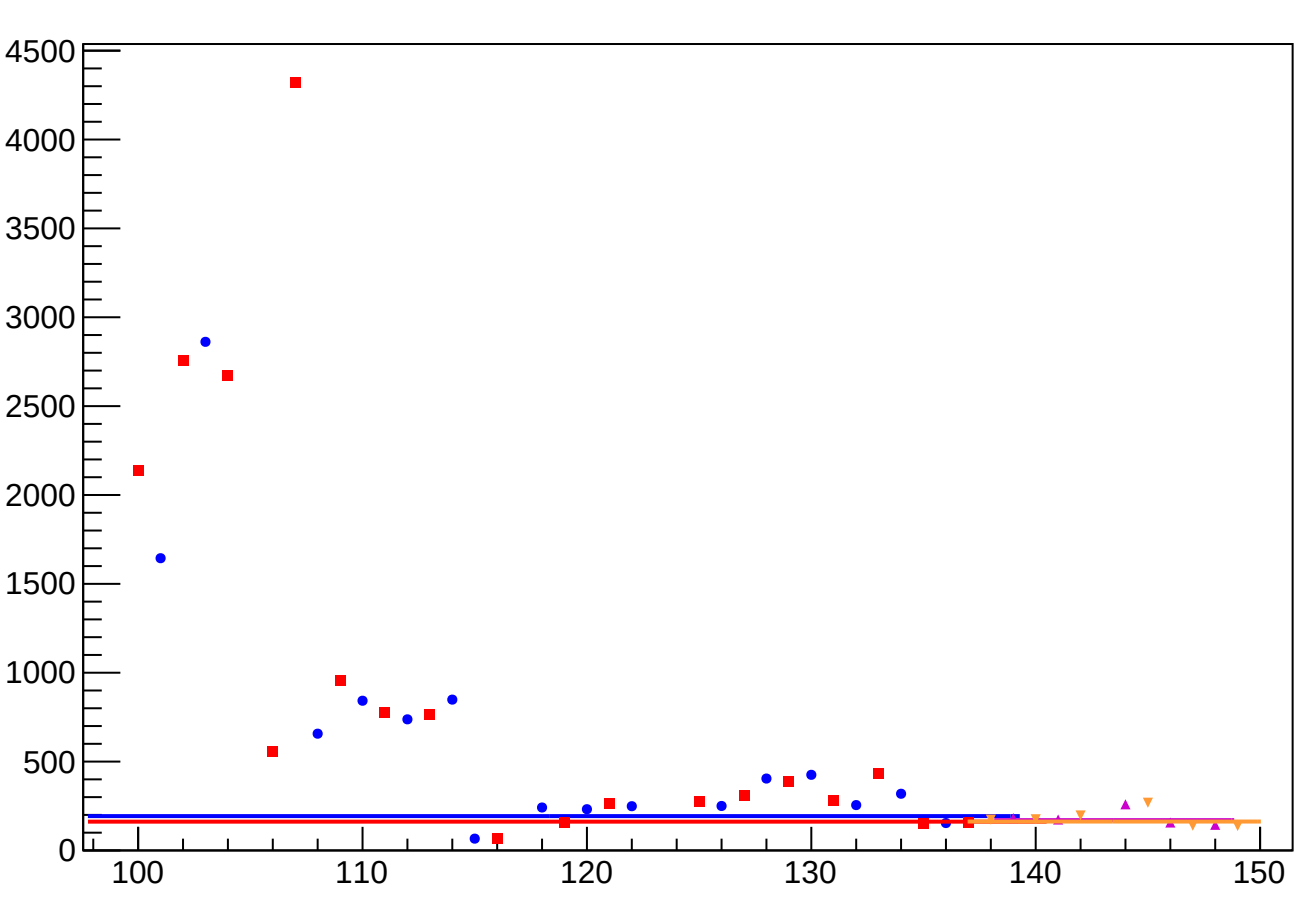
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -113.106+/-83.565 χ^2/NDF:4.9/4

+ sign -78.005+/-59.967 χ^2/NDF: 29.7/21

All: -89.074+/-42.401 χ^2/NDF: 49.7/44

- 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: 162.696+/-0.056 χ^2/NDF:379246.5/5

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

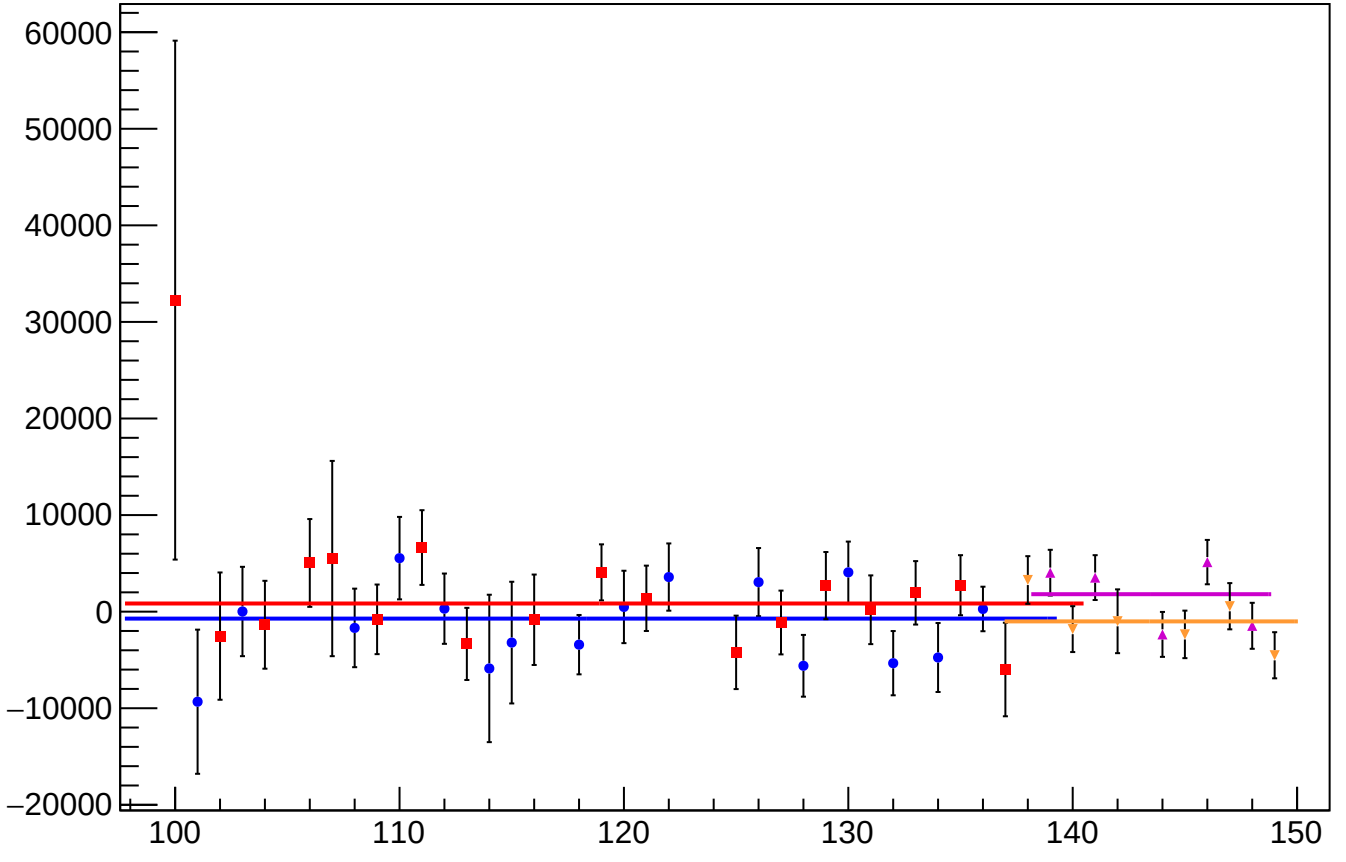
Left In: 170.532+/-0.059 χ^2/NDF:277915.4/4

+ sign 175.564+/-0.042 χ^2/NDF: 6123725.7/21

All: 171.005+/-0.030 χ^2/NDF: 13505157.6/44

- 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: -1008.332+/-1026.840 χ^2/NDF:6.0/5

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

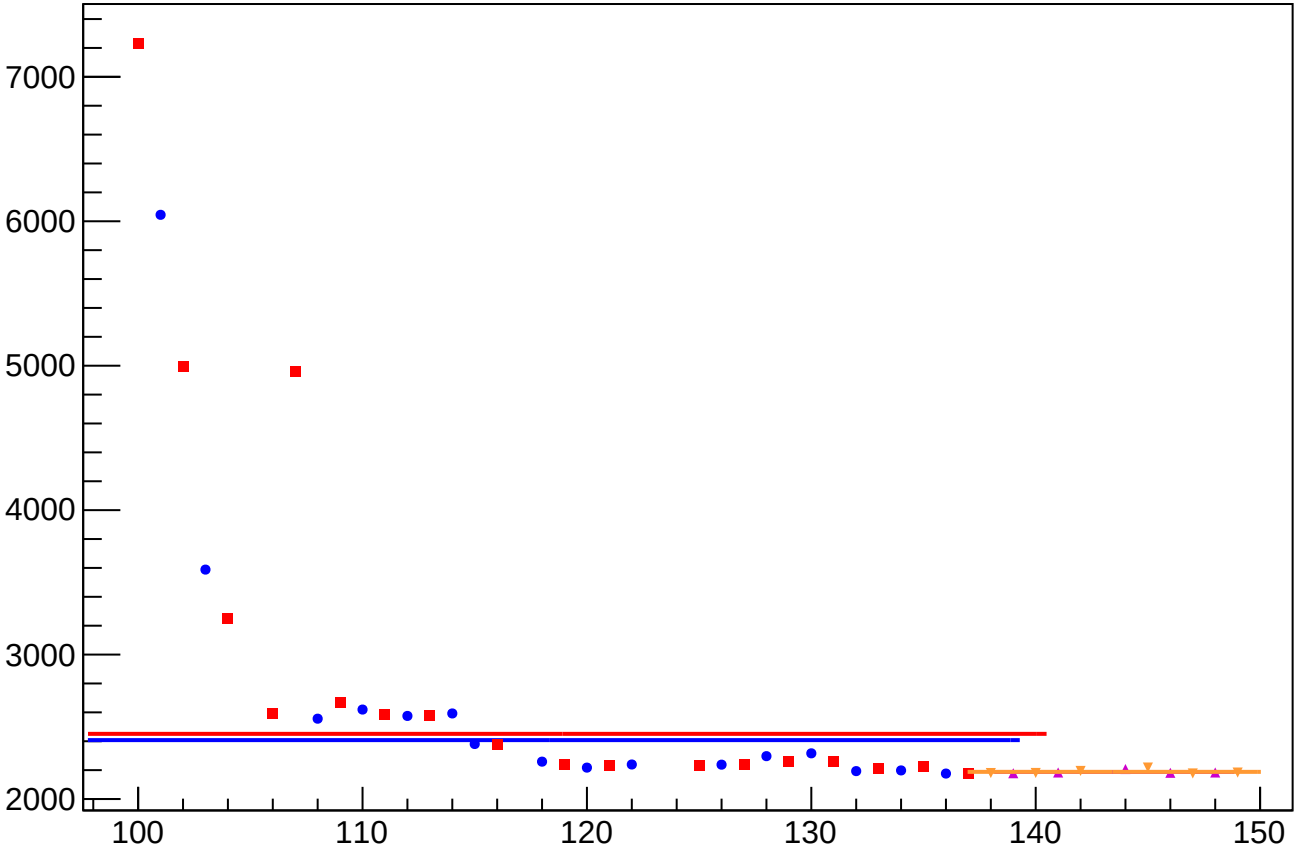
Left In: 1808.032+/-1045.613 χ^2/NDF:8.6/4

+ sign -847.563+/-683.645 χ^2/NDF: 21.9/21

All: 194.546+/-487.155 χ^2/NDF: 48.6/44

- 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: 2188.062+/-0.726 χ^2/NDF:394.8/5

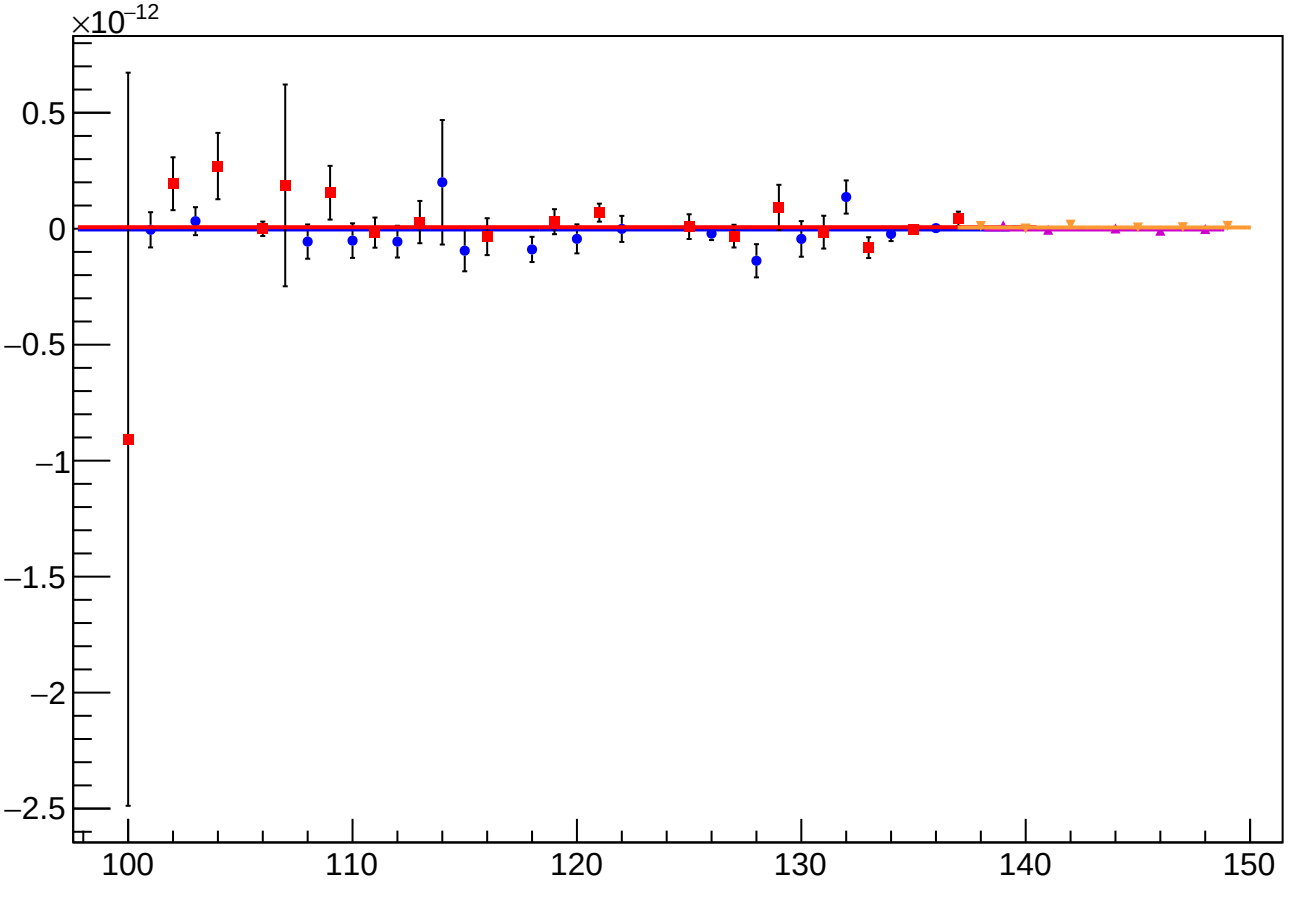
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2187.150+/-0.739 χ^2/NDF:203.4/4

+ sign 2310.397+/-0.483 χ^2/NDF: 728273.9/21

All: 2322.384+/-0.344 χ^2/NDF: 1434619.2/44

- 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:3.3/5

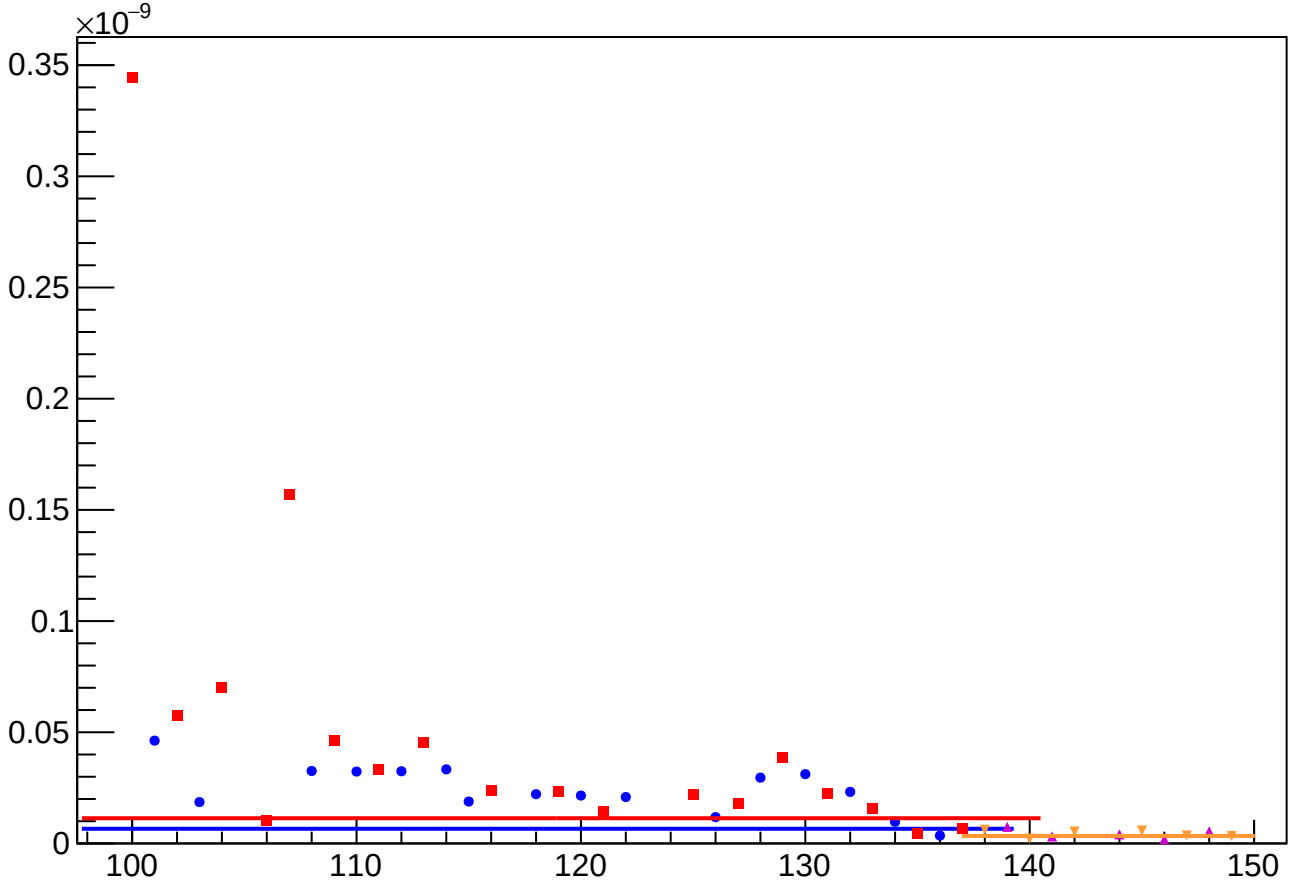
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:3.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 20.4/21

All: 0.000+/-0.000 χ^2/NDF: 46.5/44

- 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:510465.4/5

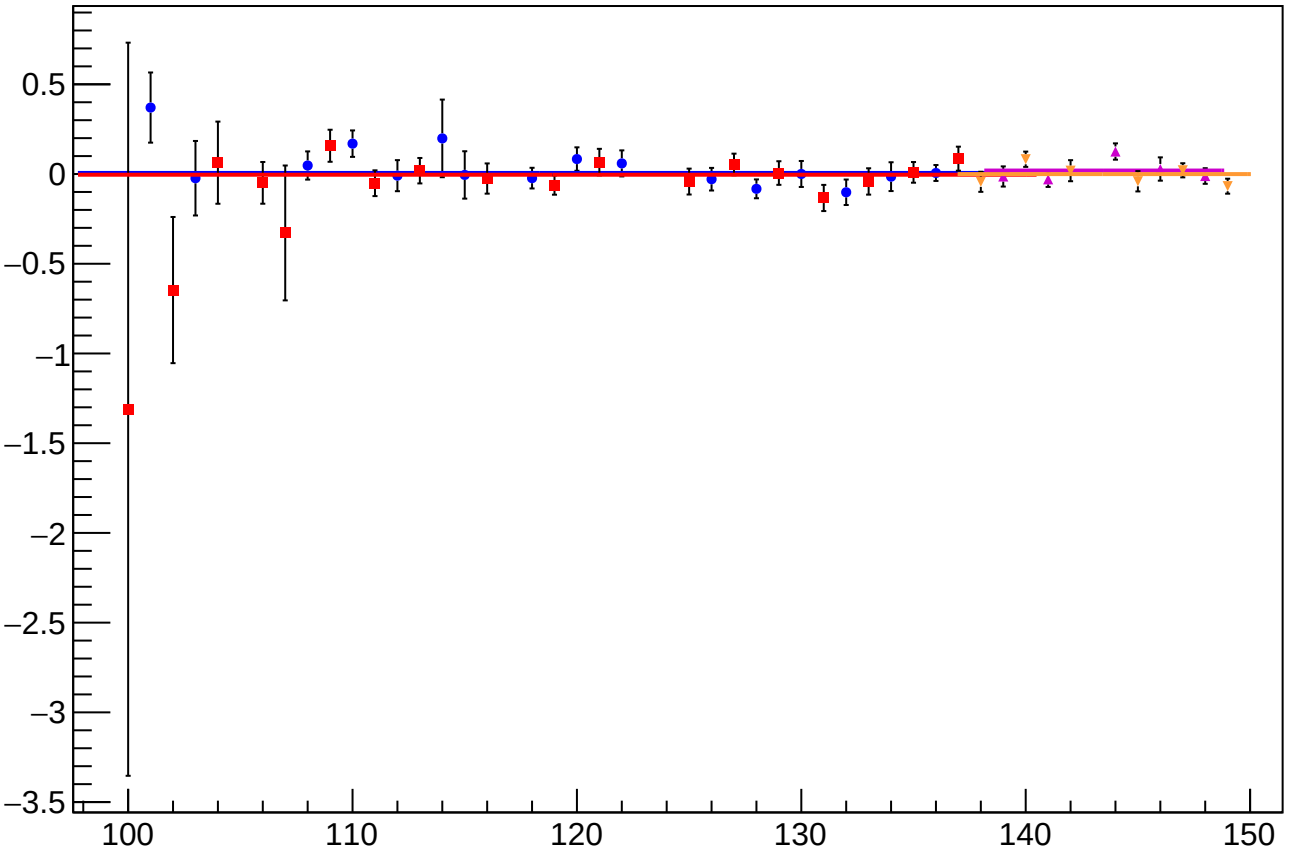
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:508032.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 3800633.0/21

All: 0.000+/-0.000 χ^2/NDF: 8225960.2/44

- 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: -0.000+/-0.019 χ^2/NDF:7.9/5

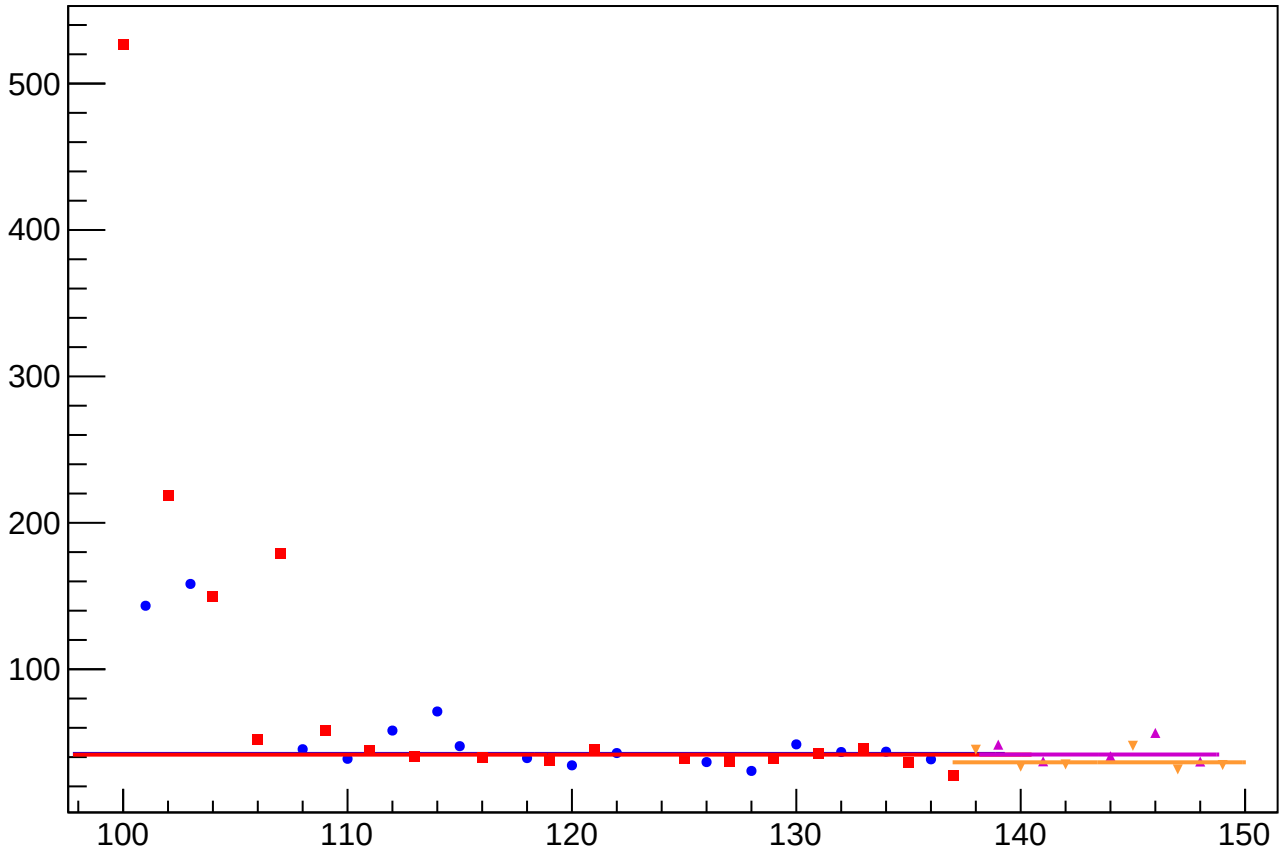
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.019+/-0.022 χ^2/NDF:7.6/4

+ sign 0.003+/-0.013 χ^2/NDF: 25.1/21

All: 0.004+/-0.010 χ^2/NDF: 49.7/44

- 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: 36.440+/-0.014 χ^2/NDF:171532.7/5

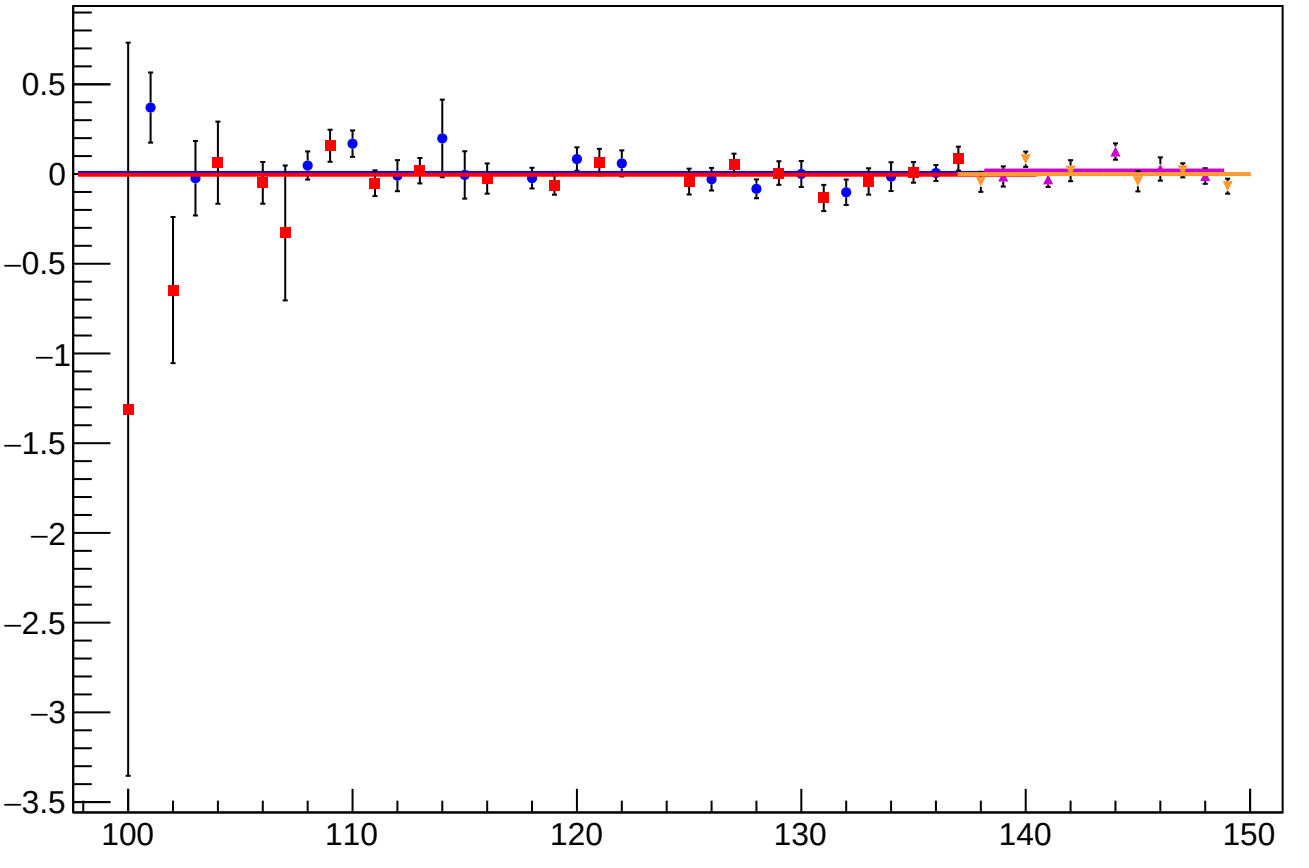
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.768+/-0.015 χ^2/NDF:180826.8/4

+ sign 39.459+/-0.009 χ^2/NDF: 1718871.7/21

All: 40.520+/-0.007 χ^2/NDF: 3368269.8/44

- 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: -0.000+/-0.019 χ^2/NDF:7.9/5

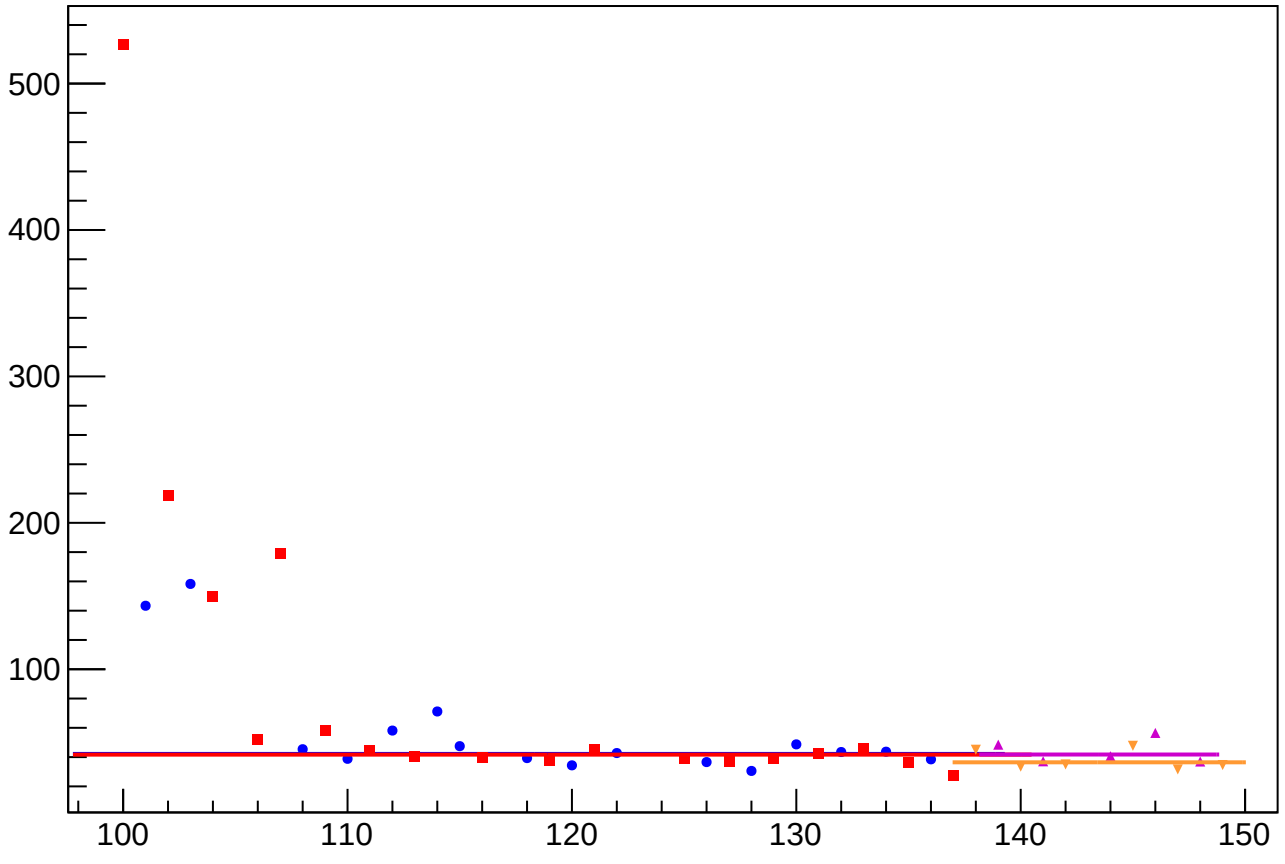
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.019+/-0.022 χ^2/NDF:7.6/4

+ sign 0.003+/-0.013 χ^2/NDF: 25.1/21

All: 0.004+/-0.010 χ^2/NDF: 49.7/44

- 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: 36.440+/-0.014 χ^2/NDF:171532.7/5

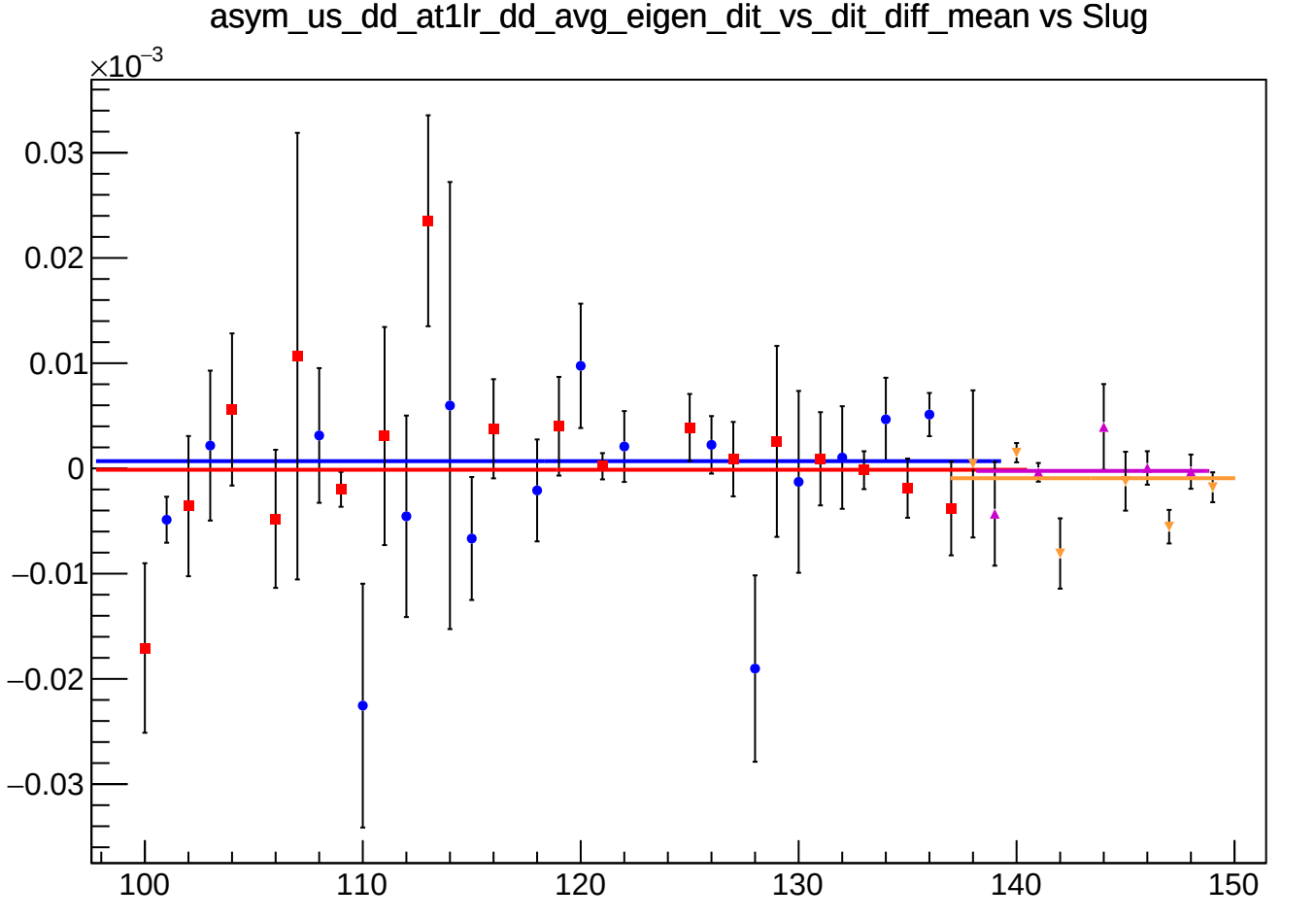
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.768+/-0.015 χ^2/NDF:180826.8/4

+ sign 39.459+/-0.009 χ^2/NDF: 1718871.7/21

All: 40.520+/-0.007 χ^2/NDF: 3368269.8/44

- 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:20.3/5

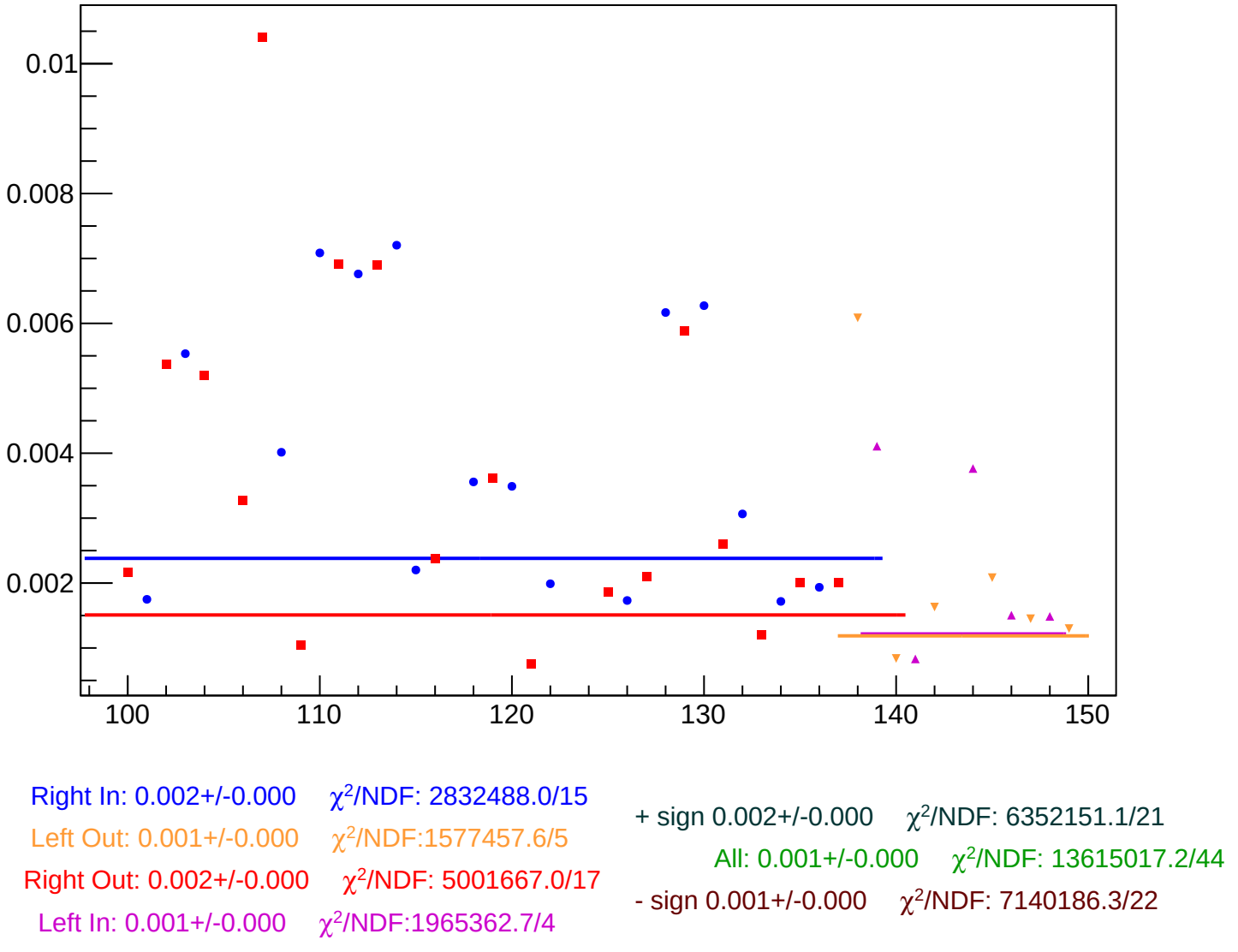
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:1.8/4

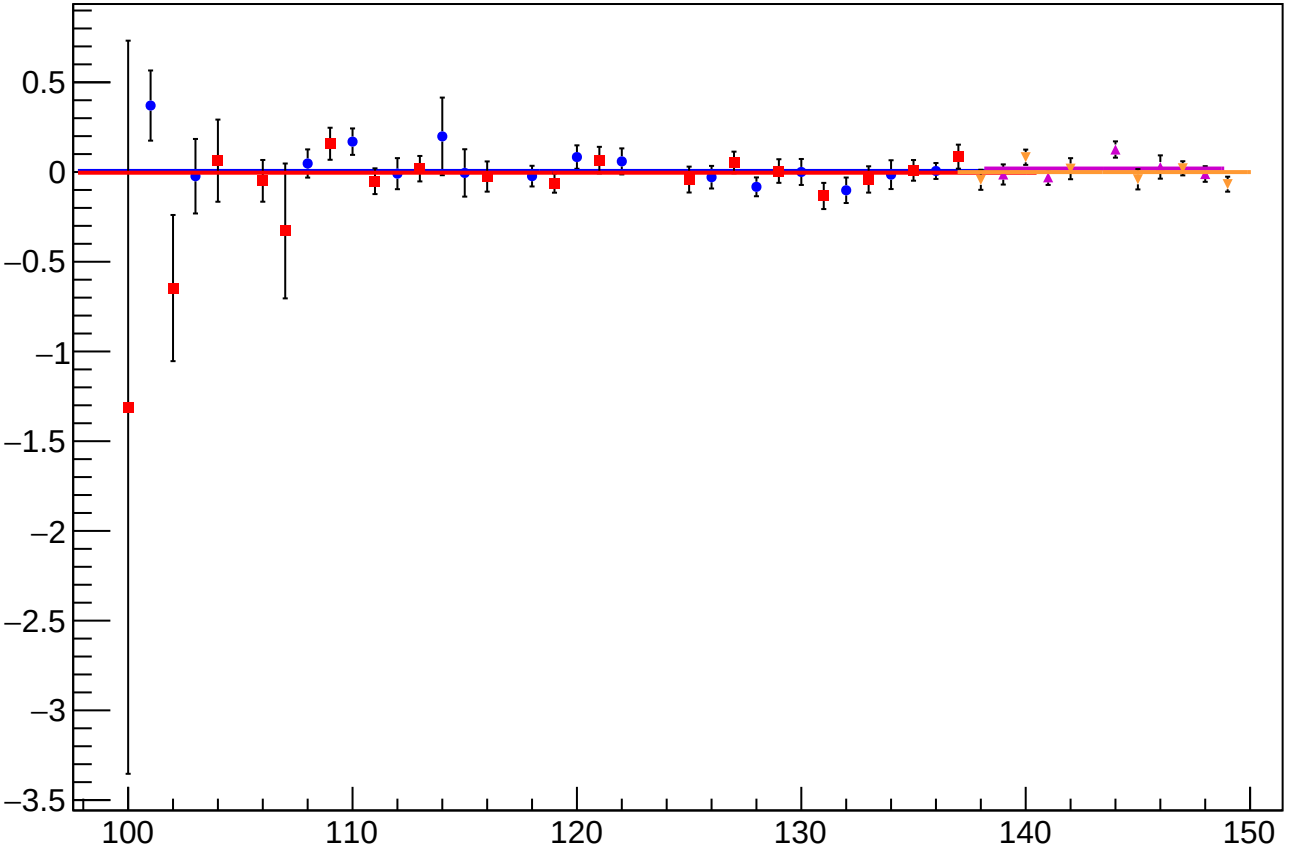
+ sign -0.000+/-0.000 χ^2/NDF: 48.6/21

All: -0.000+/-0.000 χ^2/NDF: 67.9/44

- sign -0.000+/-0.000 χ^2/NDF: 19.2/22


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:1577457.6/5
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:1965362.7/4
+ sign 0.002+/-0.000 χ²/NDF: 6352151.1/21
All: 0.001+/-0.000 χ²/NDF: 13615017.2/44
- sign 0.001+/-0.000 χ²/NDF: 7140186.3/22

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.019 χ^2/NDF:7.9/5

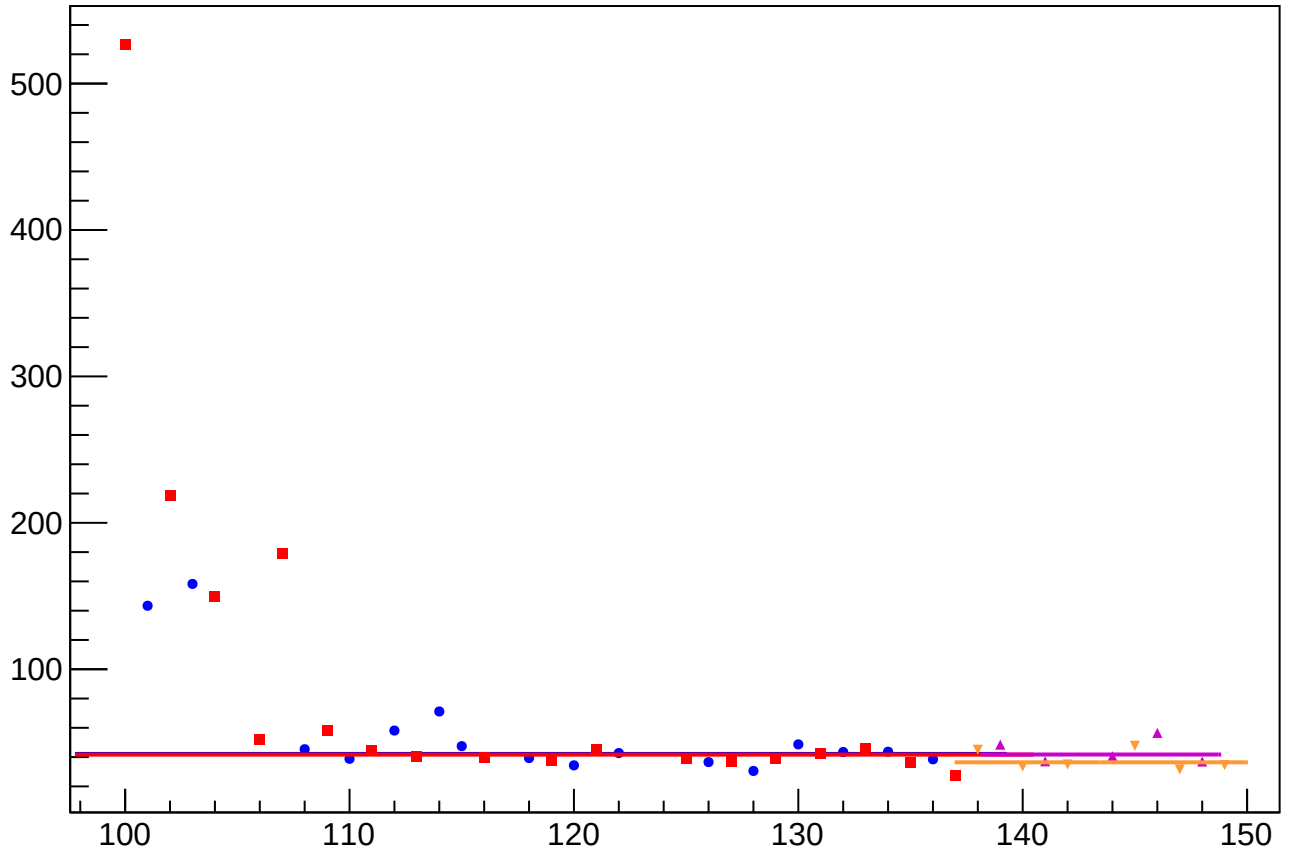
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.019+/-0.022 χ^2/NDF:7.6/4

+ sign 0.003+/-0.013 χ^2/NDF: 25.1/21

All: 0.004+/-0.010 χ^2/NDF: 49.7/44

- 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: 36.441+/-0.014 χ^2/NDF:171515.3/5

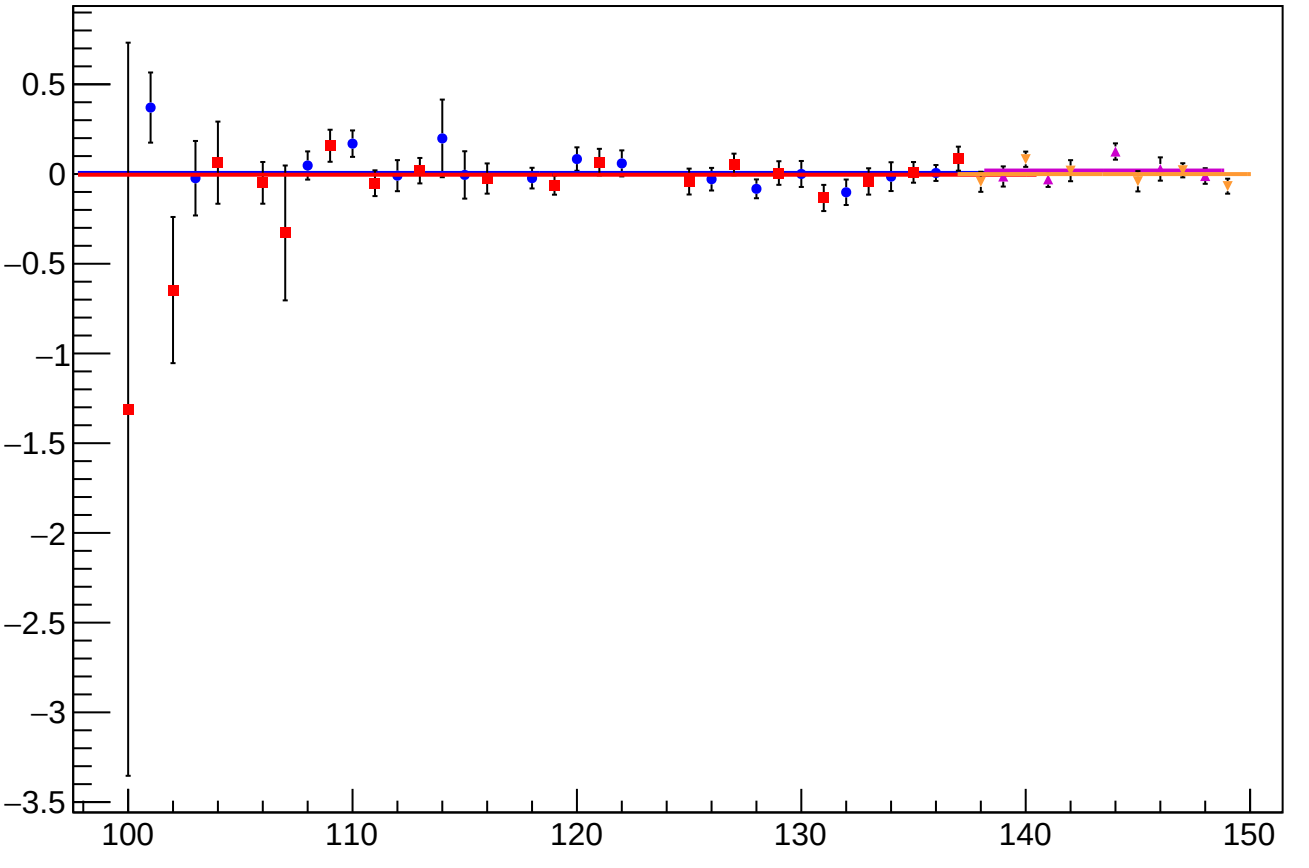
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 41.768+/-0.015 χ^2/NDF:180836.2/4

+ sign 39.457+/-0.009 χ^2/NDF: 1718987.8/21

All: 40.519+/-0.007 χ^2/NDF: 3368412.2/44

- 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: -0.000+/-0.019 χ^2/NDF:7.9/5

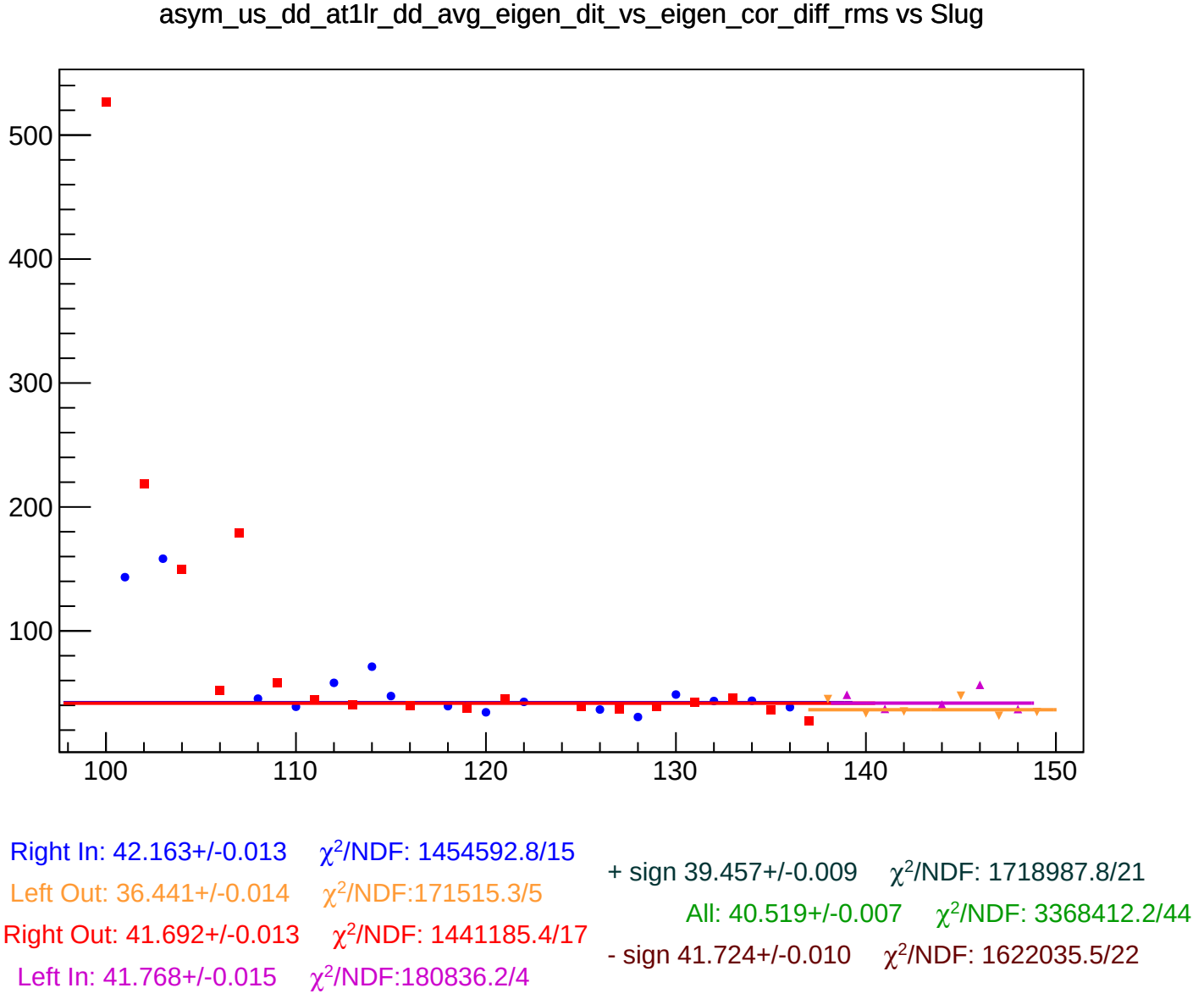
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

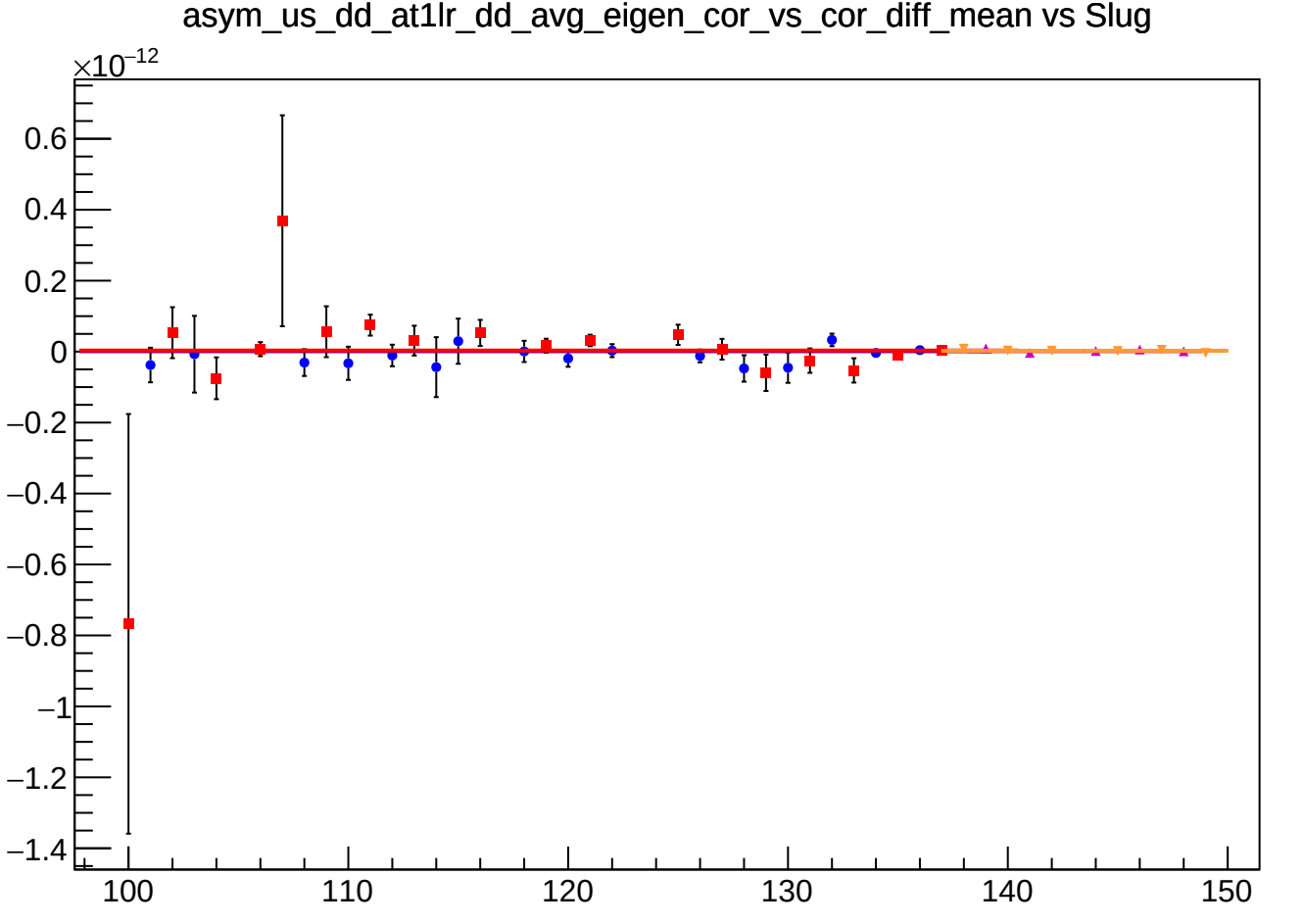
Left In: 0.019+/-0.022 χ^2/NDF:7.6/4

+ sign 0.003+/-0.013 χ^2/NDF: 25.1/21

All: 0.004+/-0.010 χ^2/NDF: 49.7/44

- 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: 36.441+/-0.014 χ²/NDF:171515.3/5
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 41.768+/-0.015 χ²/NDF:180836.2/4
+ sign 39.457+/-0.009 χ²/NDF: 1718987.8/21
All: 40.519+/-0.007 χ²/NDF: 3368412.2/44
- 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:4.0/5

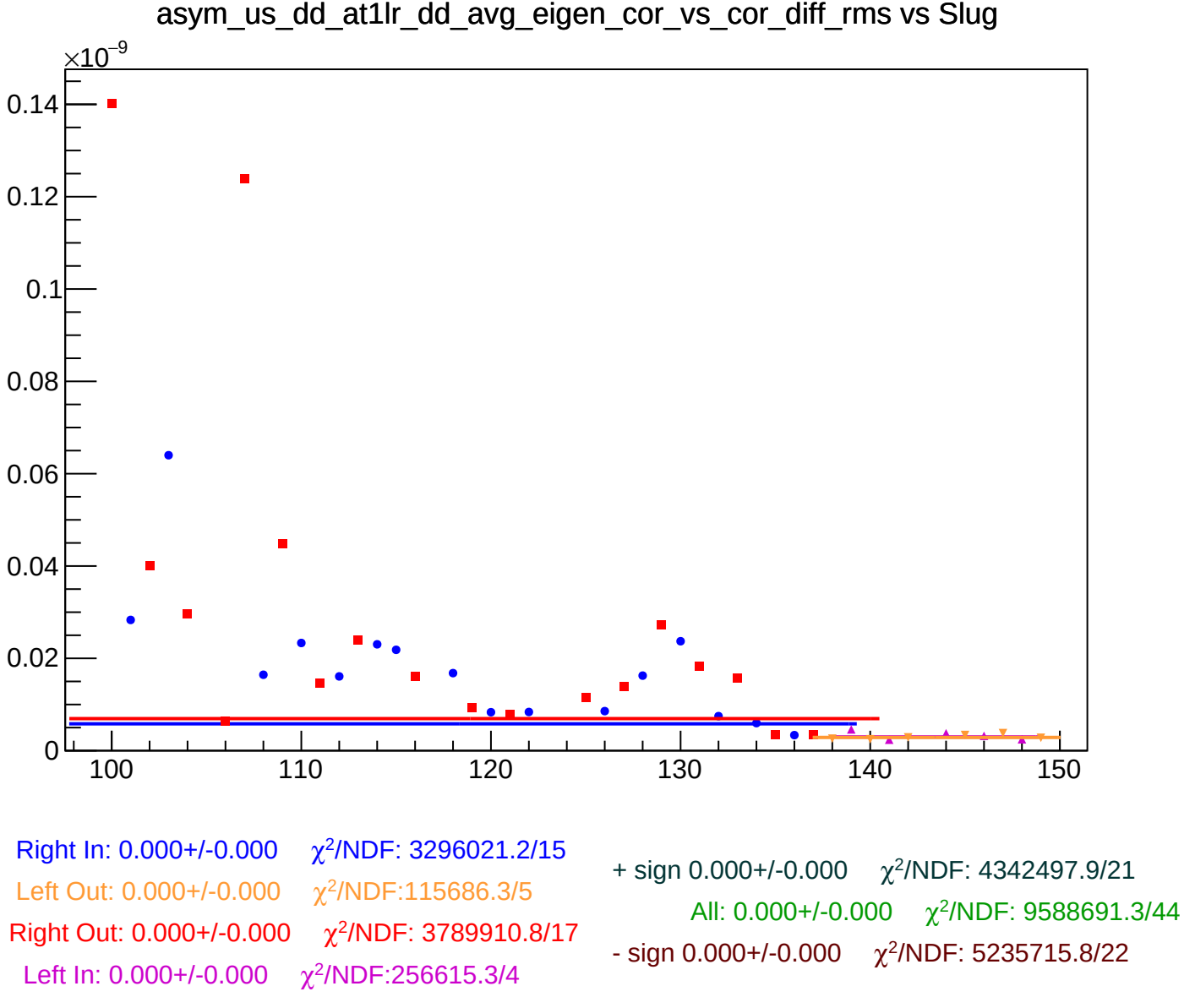
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:4.2/4

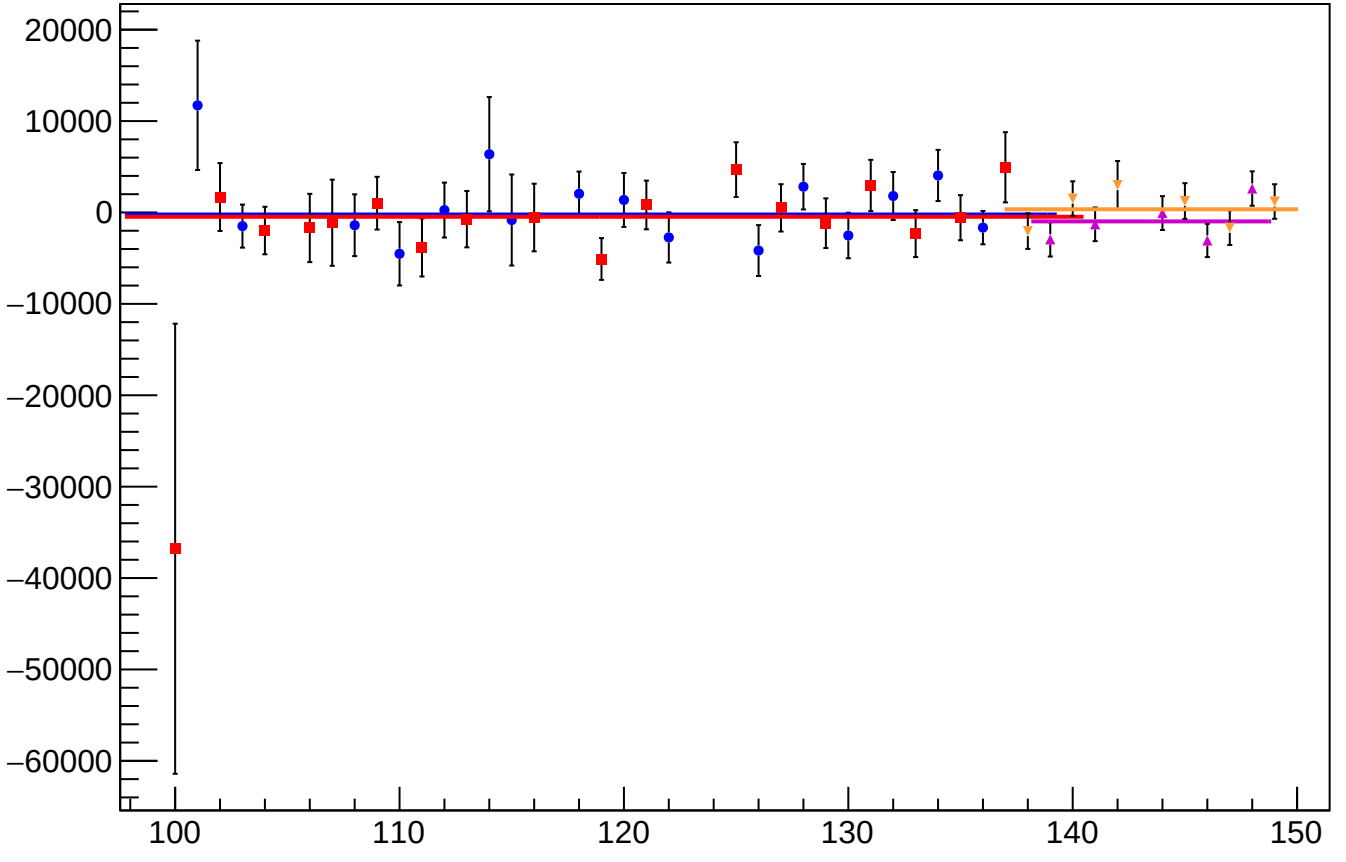
+ sign 0.000+/-0.000 χ^2/NDF: 14.6/21

All: 0.000+/-0.000 χ^2/NDF: 47.9/44

- sign 0.000+/-0.000 χ^2/NDF: 33.2/22


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:115686.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:256615.3/4
+ sign 0.000+/-0.000 χ²/NDF: 4342497.9/21
All: 0.000+/-0.000 χ²/NDF: 9588691.3/44
- sign 0.000+/-0.000 χ²/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: 348.566+/-814.000 χ^2/NDF:4.5/5

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

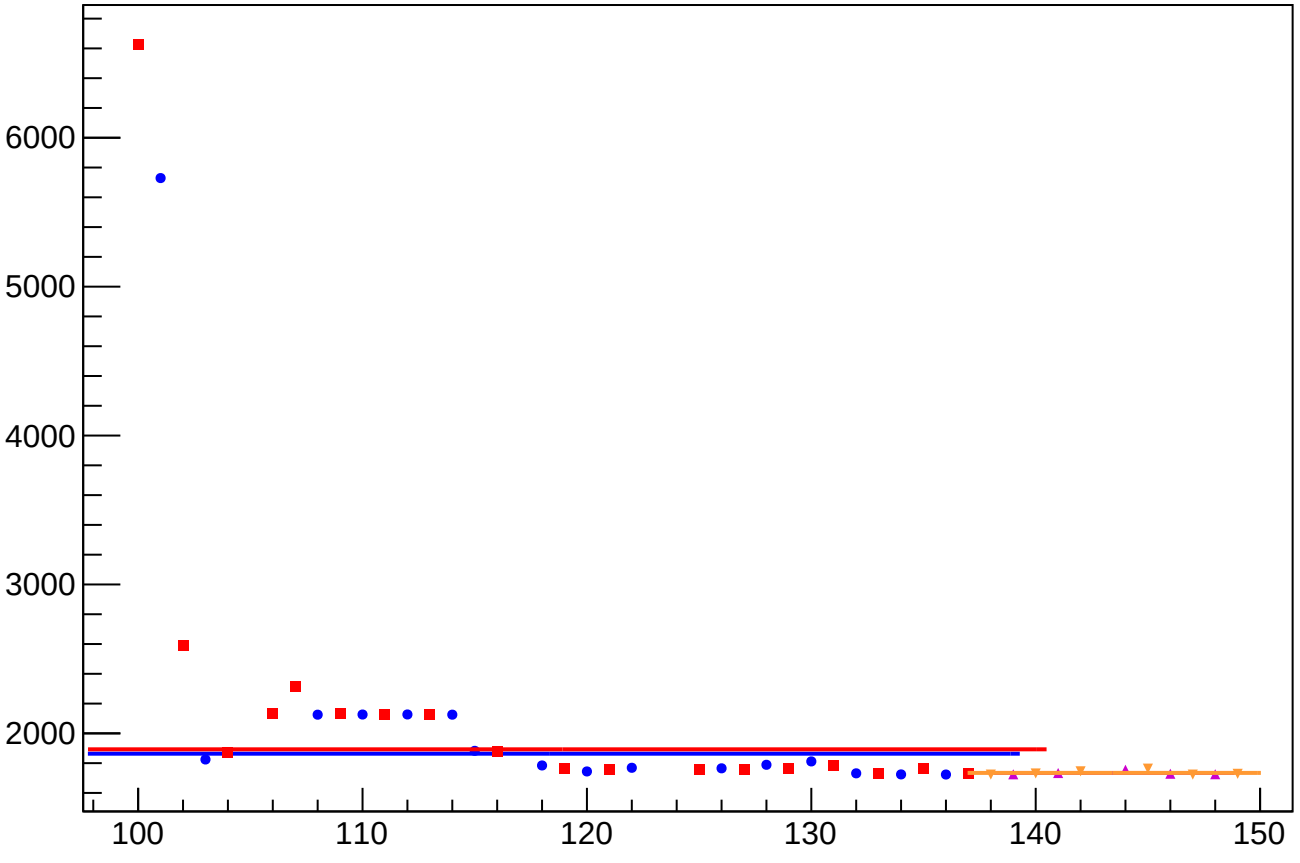
Left In: -978.168+/-828.959 χ^2/NDF:6.3/4

+ sign 23.635+/-534.698 χ^2/NDF: 20.6/21

All: -328.219+/-379.911 χ^2/NDF: 43.9/44

- 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: 1734.493+/-0.576 χ^2/NDF:627.1/5

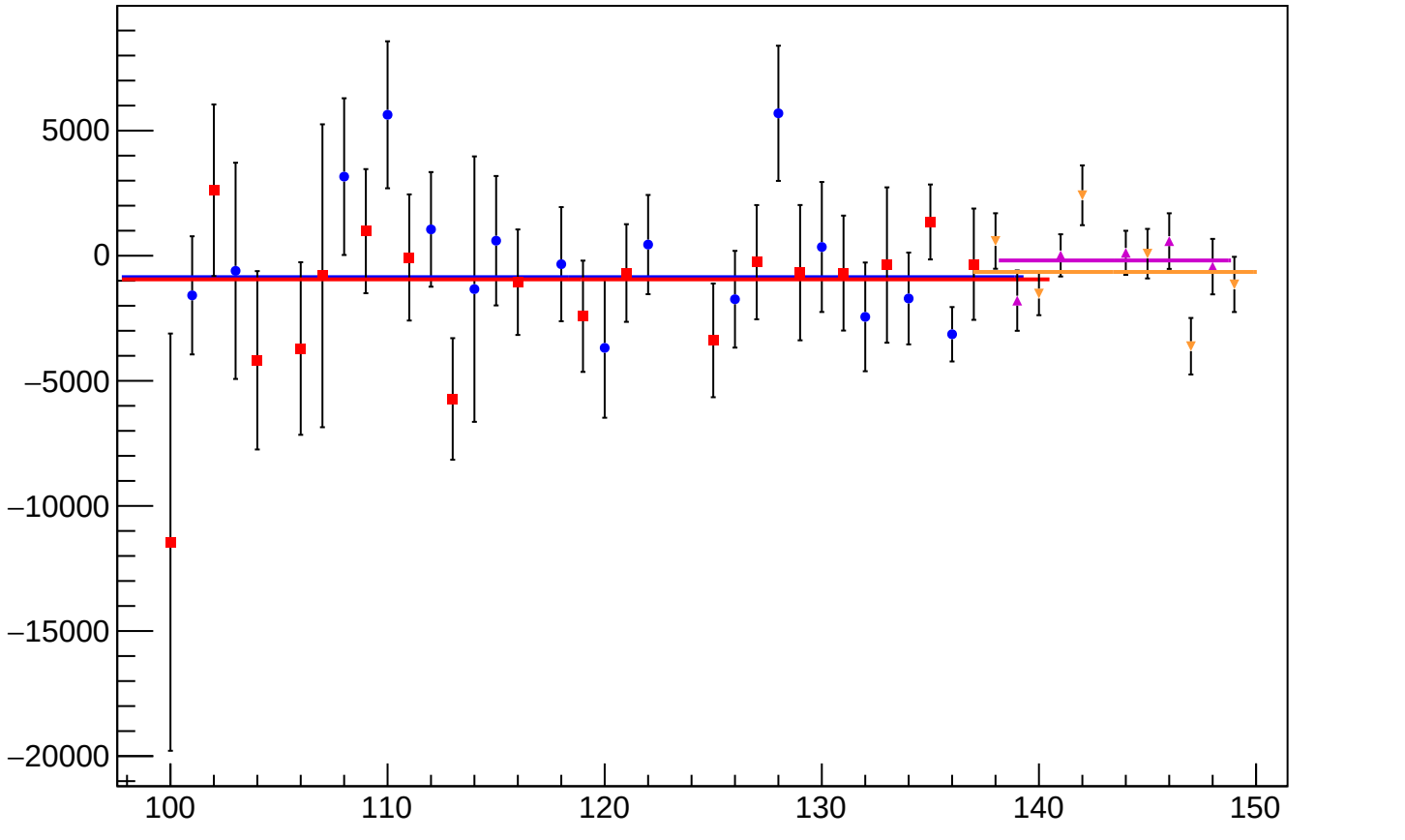
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.947+/-0.586 χ^2/NDF:378.7/4

+ sign 1807.881+/-0.378 χ^2/NDF: 703887.6/21

All: 1816.584+/-0.269 χ^2/NDF: 999175.1/44

- 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: -648.581+/-427.239 χ^2/NDF:16.5/5

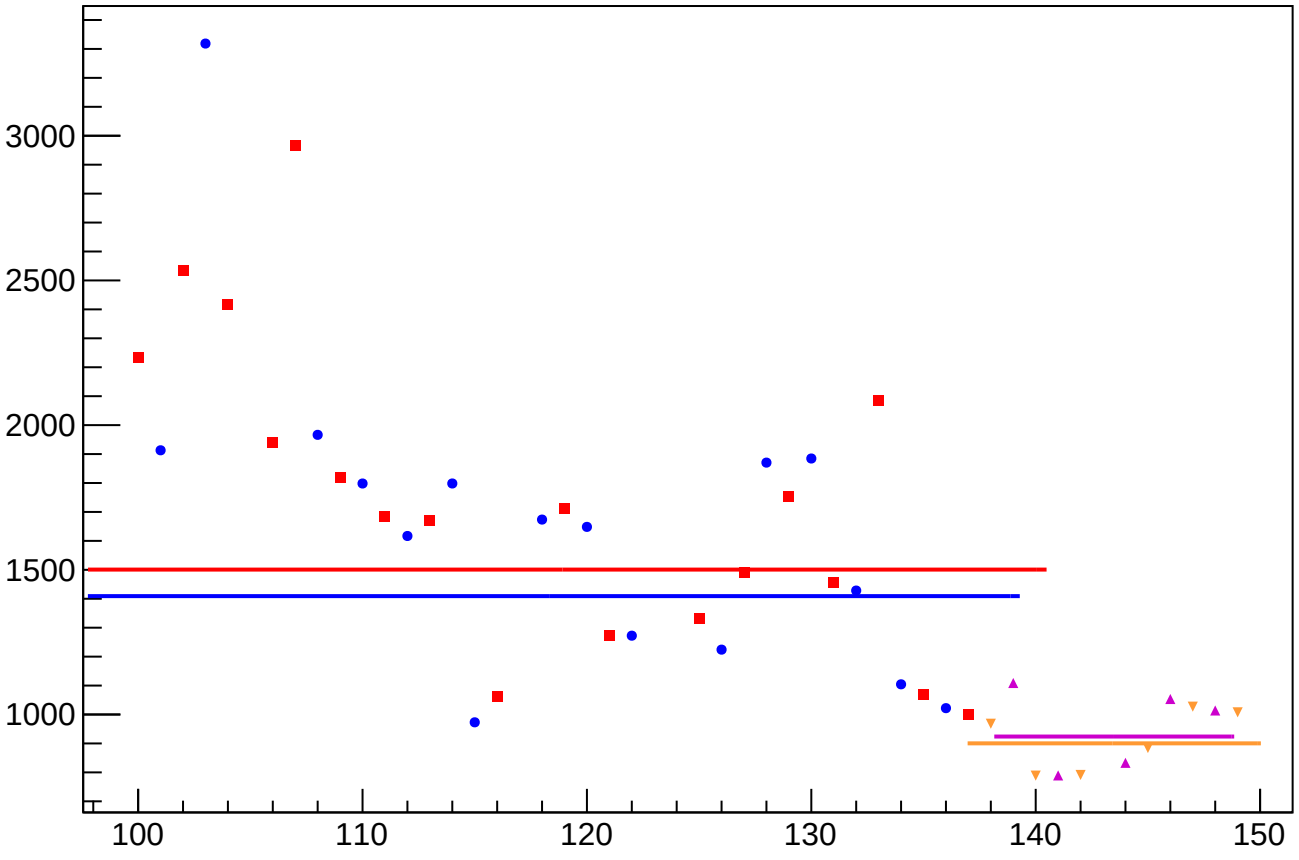
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -189.517+/-447.158 χ^2/NDF:2.5/4

+ sign -727.163+/-337.354 χ^2/NDF: 37.2/21

All: -604.502+/-244.555 χ^2/NDF: 53.9/44

- 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: 900.314+/-0.302 χ^2/NDF:102089.7/5

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

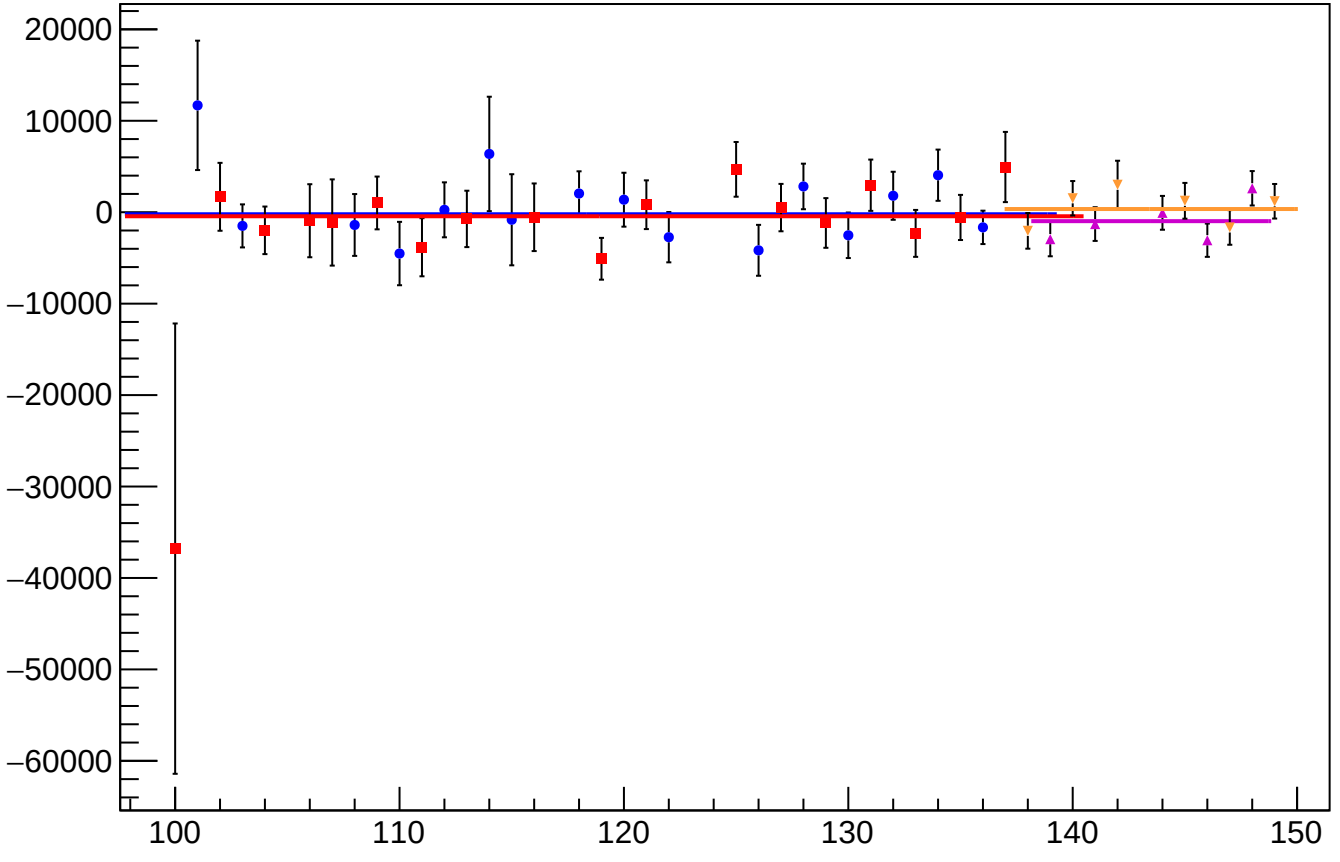
Left In: 923.868+/-0.316 χ^2/NDF:159437.5/4

+ sign 1091.875+/-0.239 χ^2/NDF: 2337690.1/21

All: 1113.339+/-0.173 χ^2/NDF: 4775535.9/44

- 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: 348.636+/-814.000 χ^2/NDF:4.4/5

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

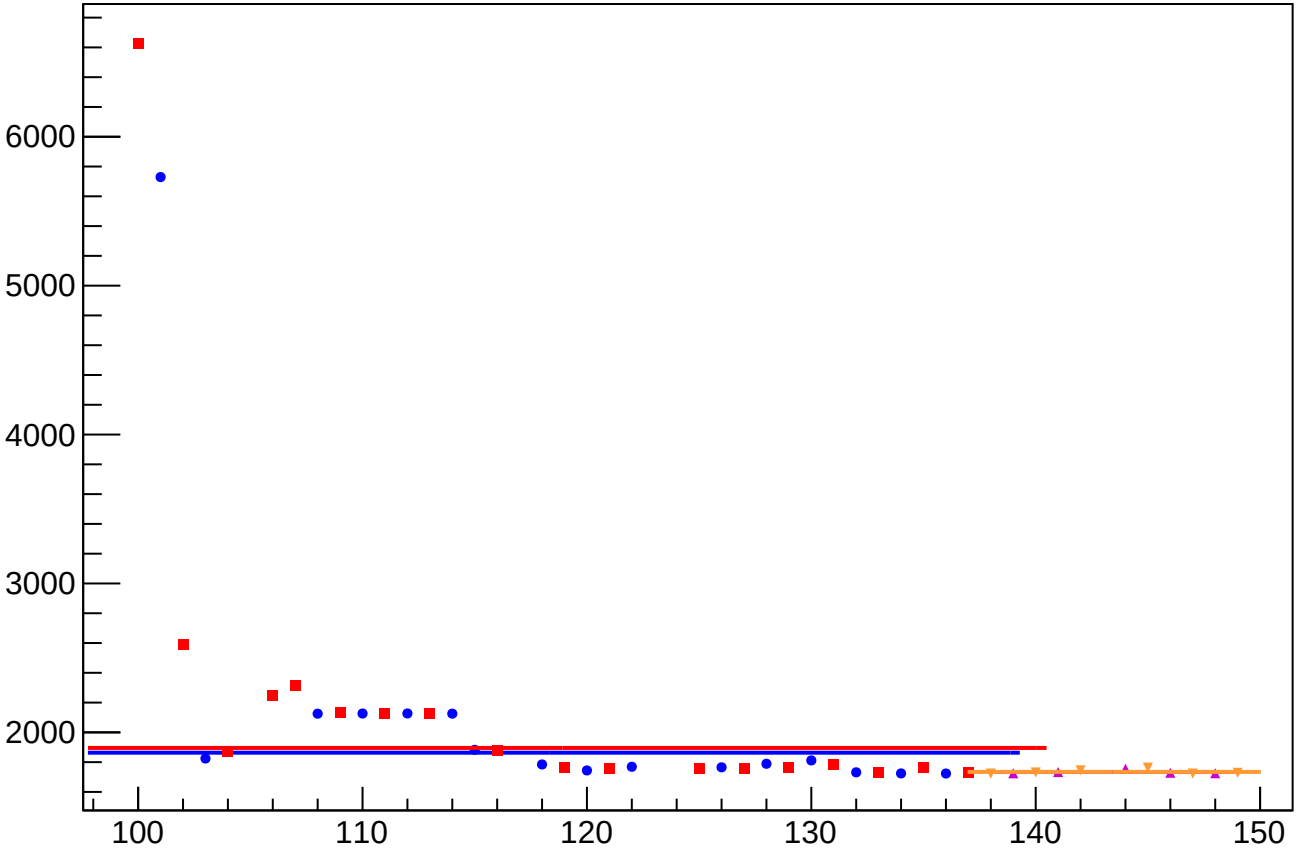
Left In: -978.061+/-828.959 χ^2/NDF:6.3/4

+ sign 23.225+/-534.698 χ^2/NDF: 20.5/21

All: -319.864+/-380.157 χ^2/NDF: 43.7/44

- 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: 1734.493+/-0.576 χ^2/NDF:627.1/5

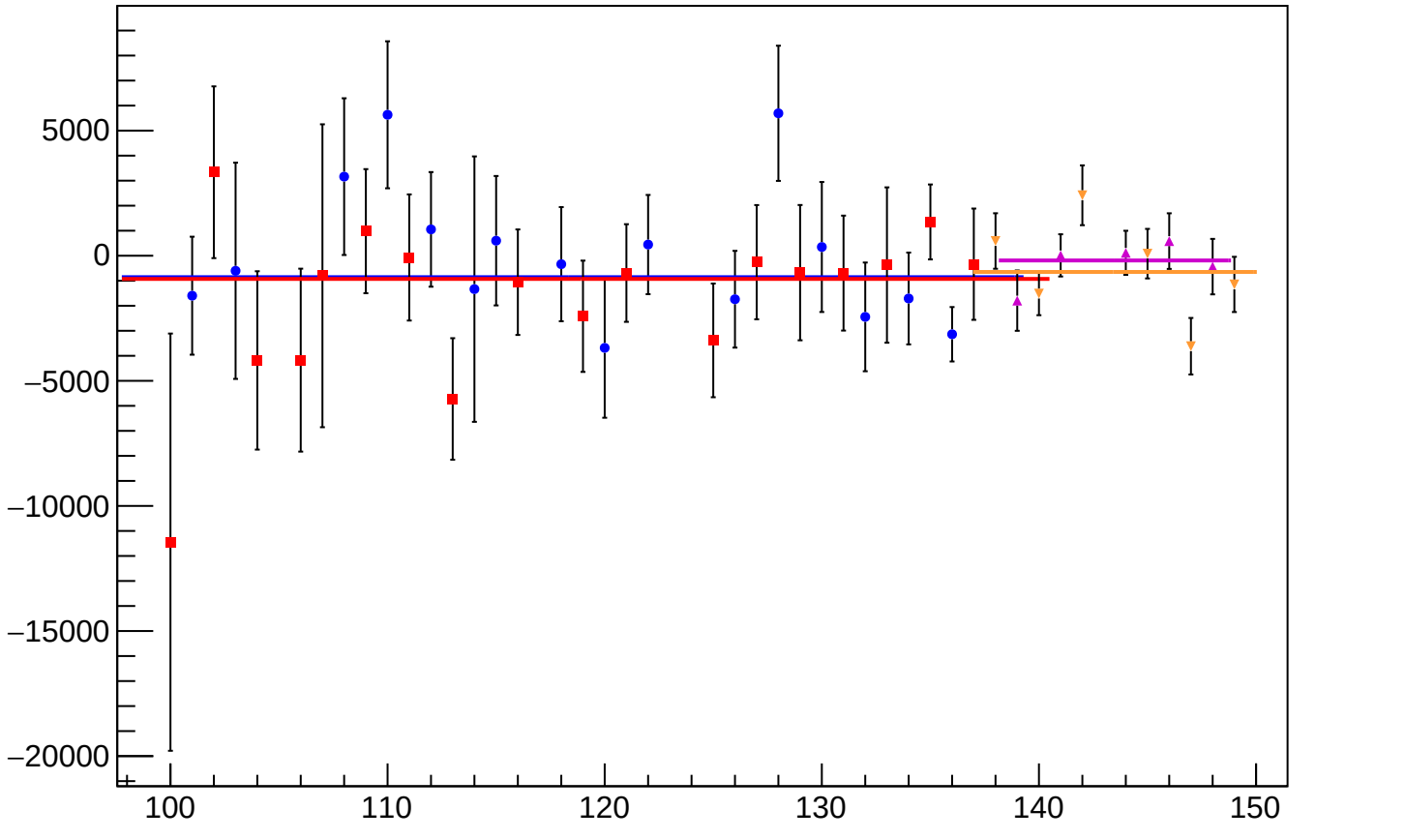
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.947+/-0.586 χ^2/NDF:378.7/4

+ sign 1807.881+/-0.378 χ^2/NDF: 703887.5/21

All: 1817.231+/-0.269 χ^2/NDF: 1008326.1/44

- 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: -648.595+/-427.241 χ^2/NDF:16.5/5

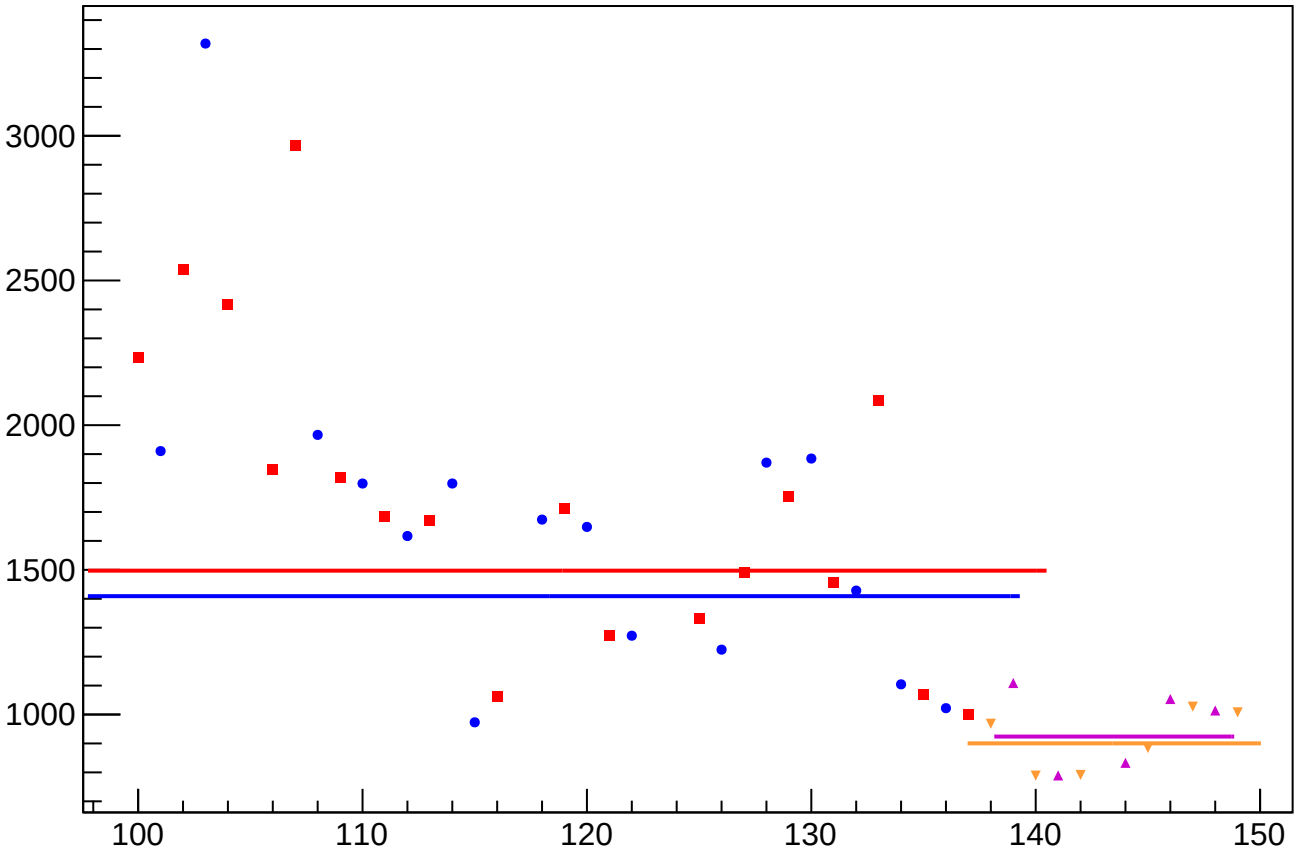
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -189.580+/-447.154 χ^2/NDF:2.5/4

\+ sign -727.489+/-337.345 χ^2/NDF: 37.2/21

All: -601.440+/-244.618 χ^2/NDF: 54.5/44

\- 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: 900.319+/-0.302 χ^2/NDF:102069.2/5

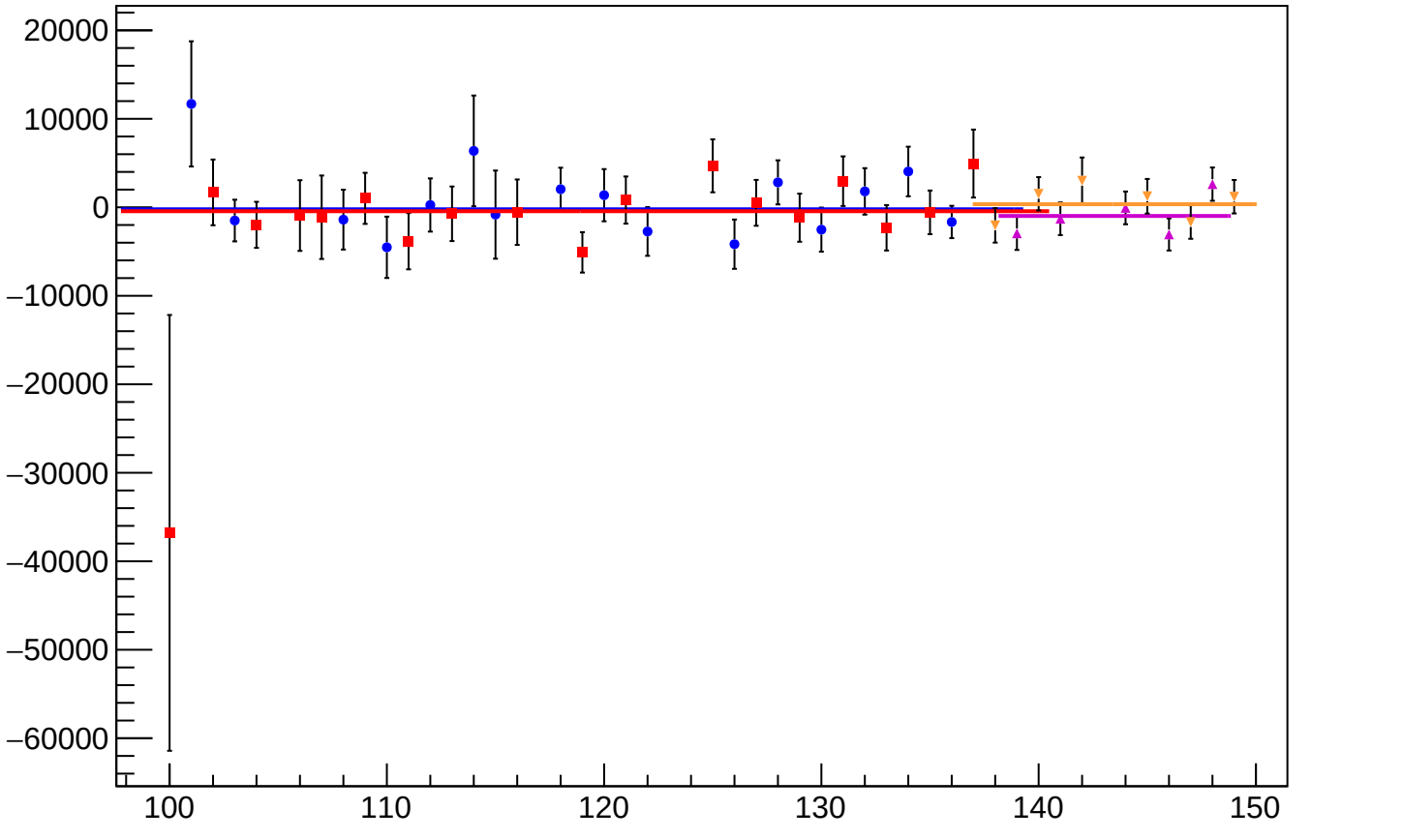
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 923.859+/-0.316 χ^2/NDF:159446.3/4

+ sign 1091.868+/-0.239 χ^2/NDF: 2336782.7/21

All: 1112.479+/-0.173 χ^2/NDF: 4742779.6/44

- sign 1135.334+/-0.251 χ^2/NDF: 2390252.6/22



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 348.636+/-814.000 χ^2/NDF:4.4/5

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

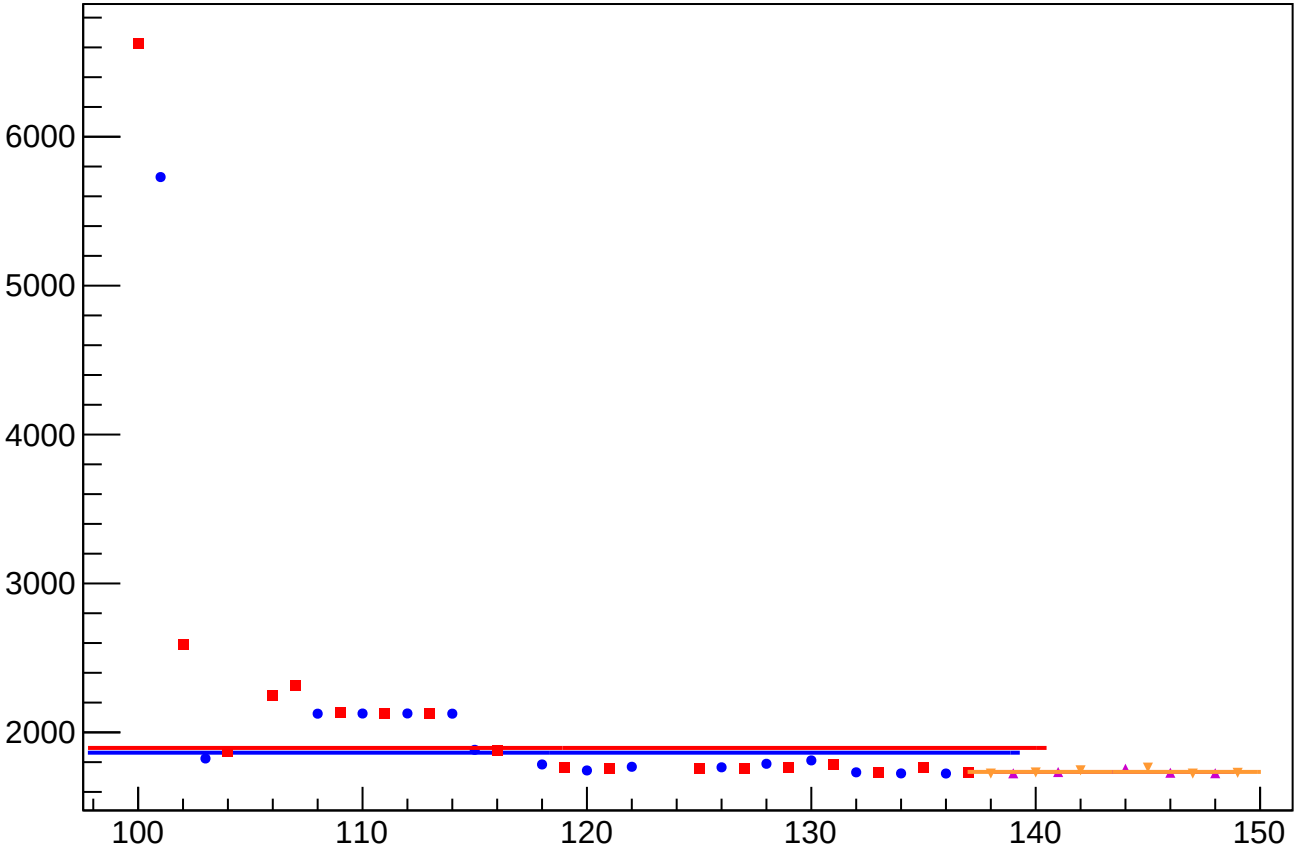
Left In: -978.061+/-828.959 χ^2/NDF:6.3/4

+ sign 23.225+/-534.698 χ^2/NDF: 20.5/21

All: -319.864+/-380.157 χ^2/NDF: 43.7/44

- 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: 1734.493+/-0.576 χ^2/NDF:627.1/5

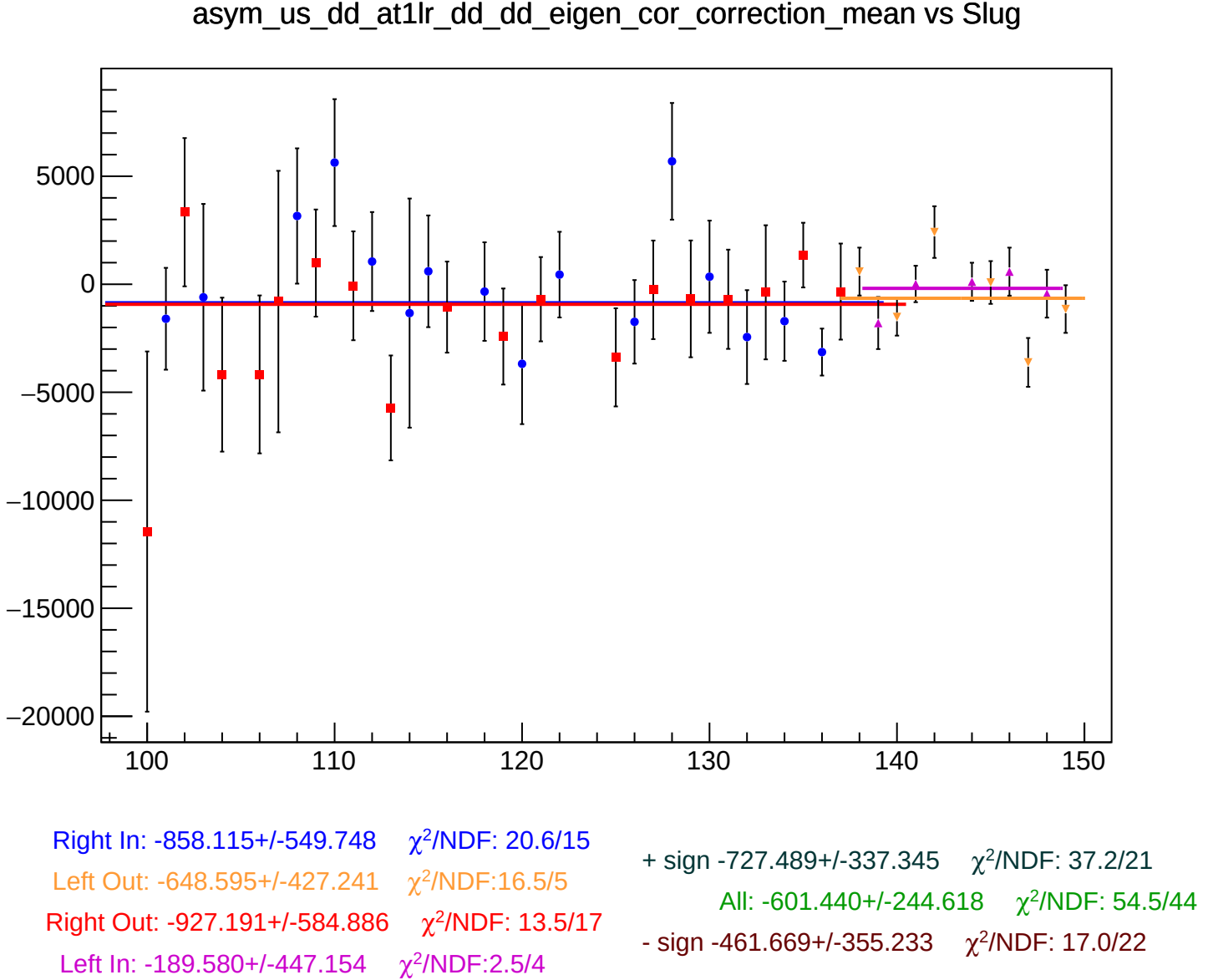
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.947+/-0.586 χ^2/NDF:378.7/4

+ sign 1807.881+/-0.378 χ^2/NDF: 703887.5/21

All: 1817.231+/-0.269 χ^2/NDF: 1008326.1/44

- 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: -648.595+/-427.241 χ^2/NDF:16.5/5

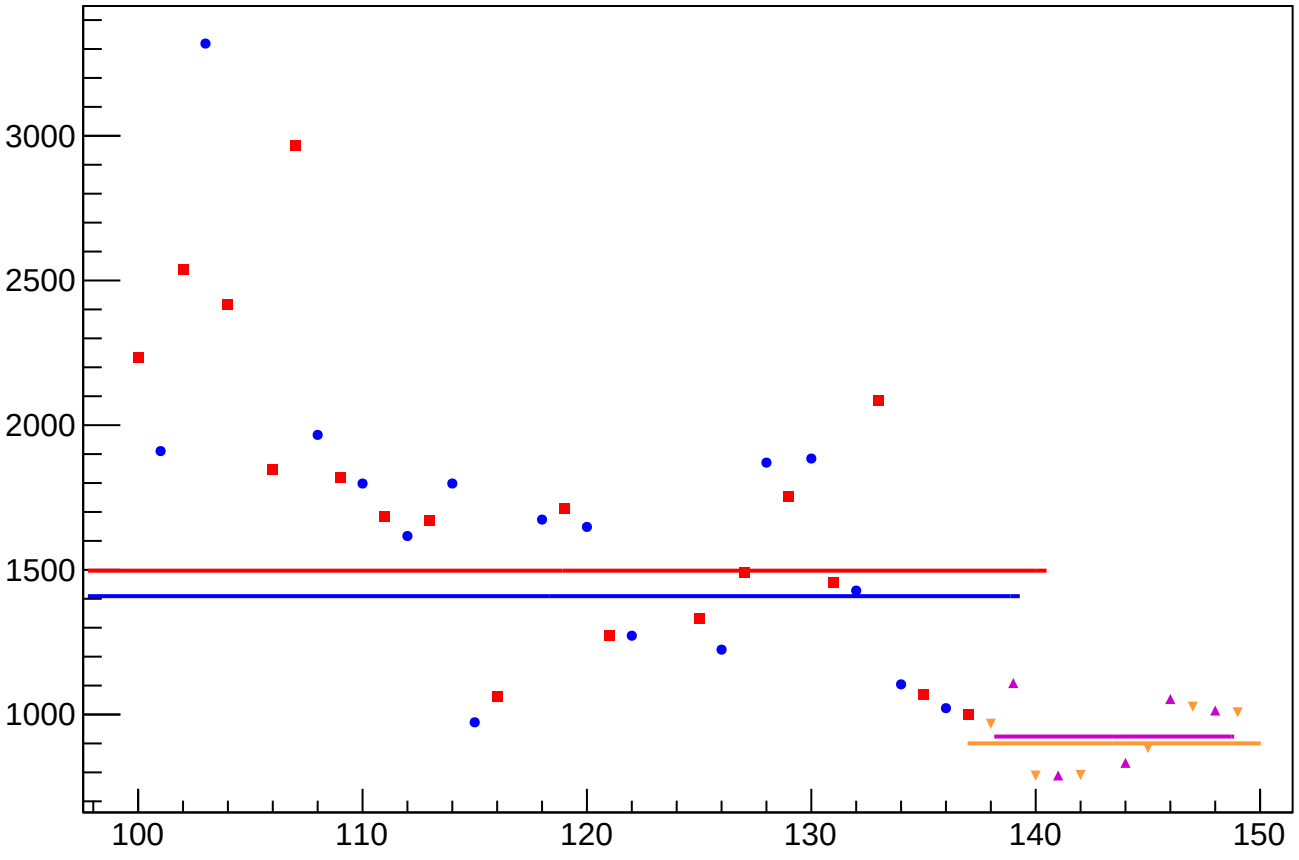
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -189.580+/-447.154 χ^2/NDF:2.5/4

\+ sign -727.489+/-337.345 χ^2/NDF: 37.2/21

All: -601.440+/-244.618 χ^2/NDF: 54.5/44

\- 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: 900.319+/-0.302 χ^2/NDF:102069.2/5

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

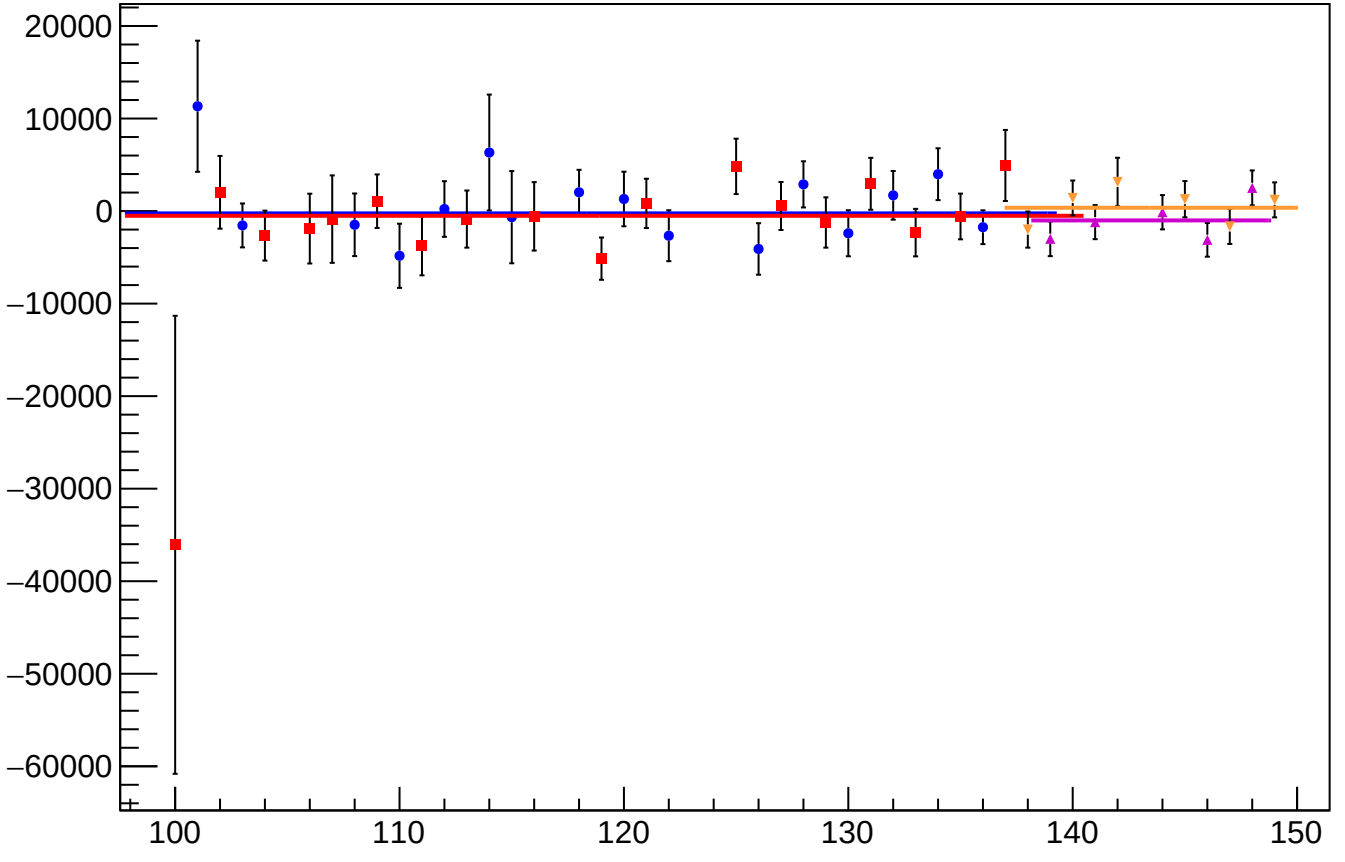
Left In: 923.859+/-0.316 χ^2/NDF:159446.3/4

+ sign 1091.868+/-0.239 χ^2/NDF: 2336782.7/21

All: 1112.479+/-0.173 χ^2/NDF: 4742779.6/44

- 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: 360.065+/-814.103 χ^2/NDF:4.5/5

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

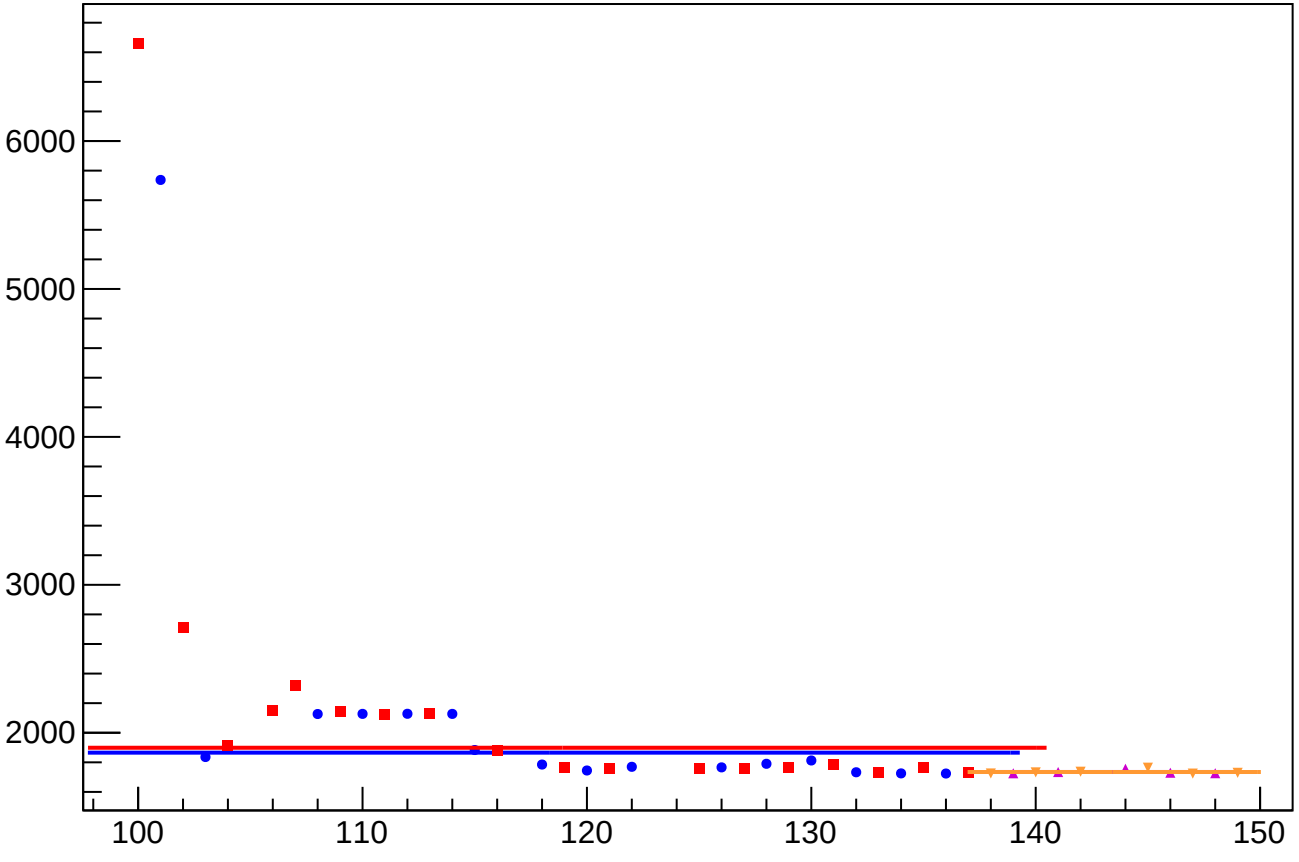
Left In: -1010.706+/-829.364 χ^2/NDF:6.2/4

+ sign 12.394+/-535.079 χ^2/NDF: 20.4/21

All: -351.104+/-380.688 χ^2/NDF: 44.2/44

- 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: 1734.607+/-0.576 χ^2/NDF:581.1/5

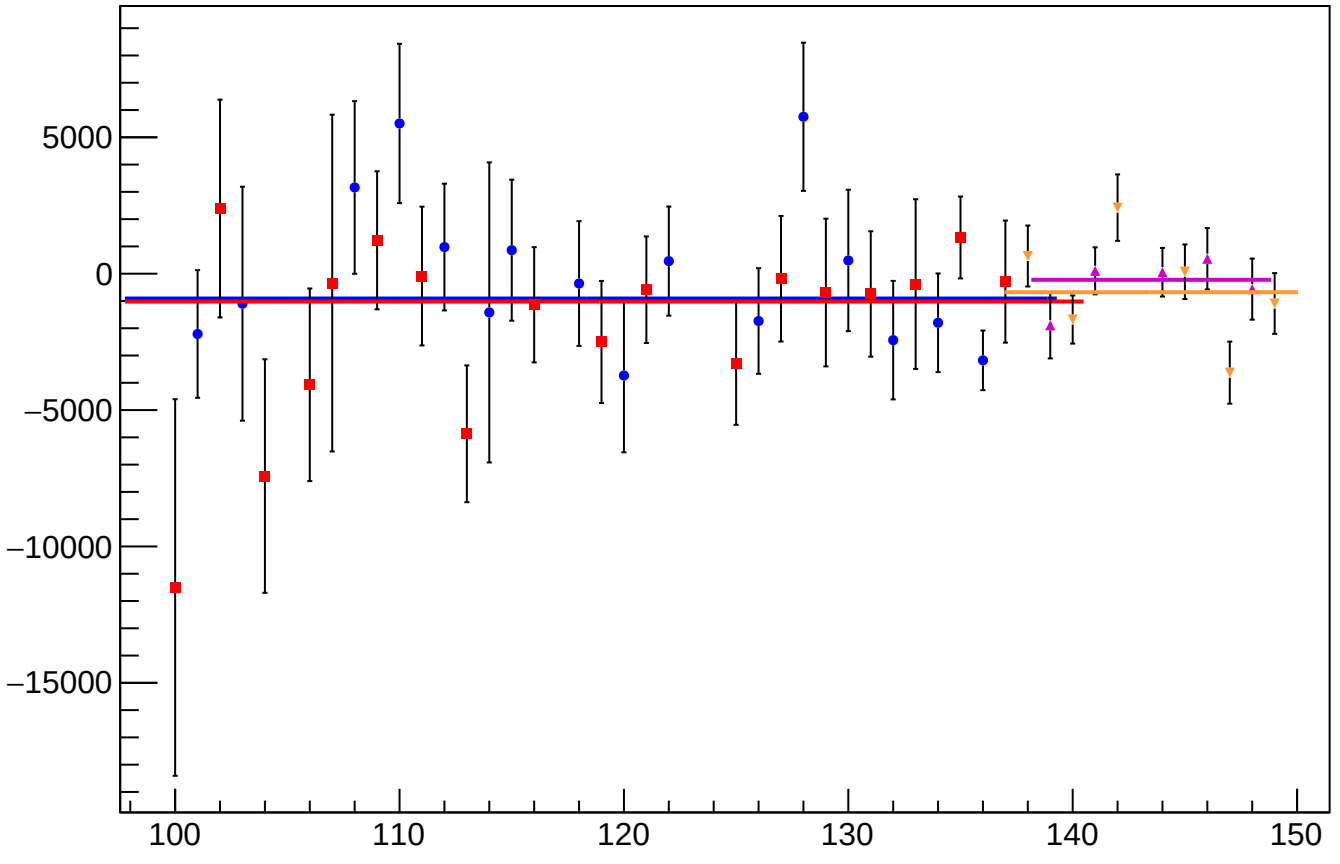
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.794+/-0.586 χ^2/NDF:378.4/4

+ sign 1808.921+/-0.378 χ^2/NDF: 704910.4/21

All: 1818.695+/-0.269 χ^2/NDF: 1020483.4/44

- 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: -678.329+/-432.743 χ^2/NDF:16.6/5

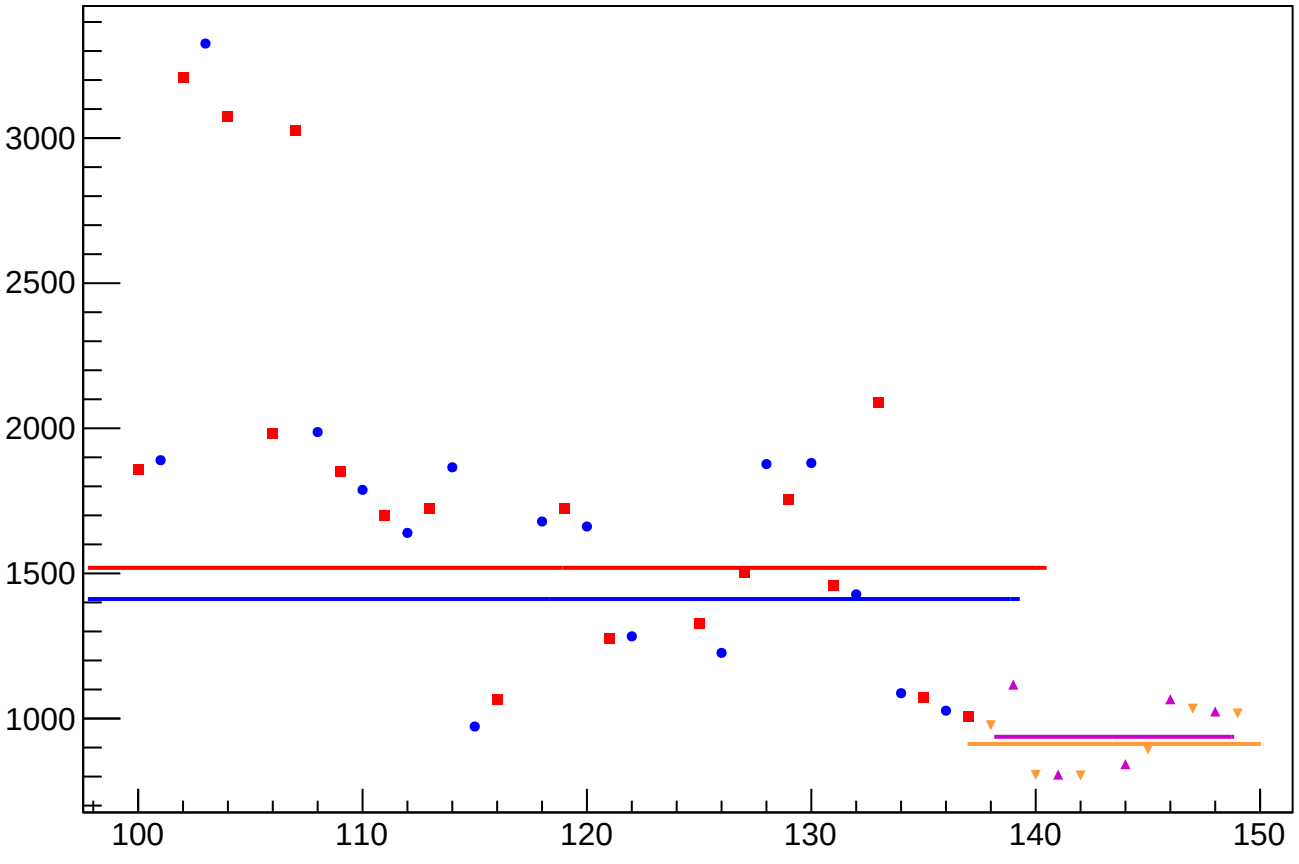
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -224.060+/-453.176 χ^2/NDF:2.7/4

+ sign -767.109+/-340.291 χ^2/NDF: 37.7/21

All: -649.683+/-247.217 χ^2/NDF: 56.7/44

- sign -518.440+/-359.756 χ^2/NDF: 18.8/22



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 912.485+/-0.306 χ^2/NDF:92873.7/5

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

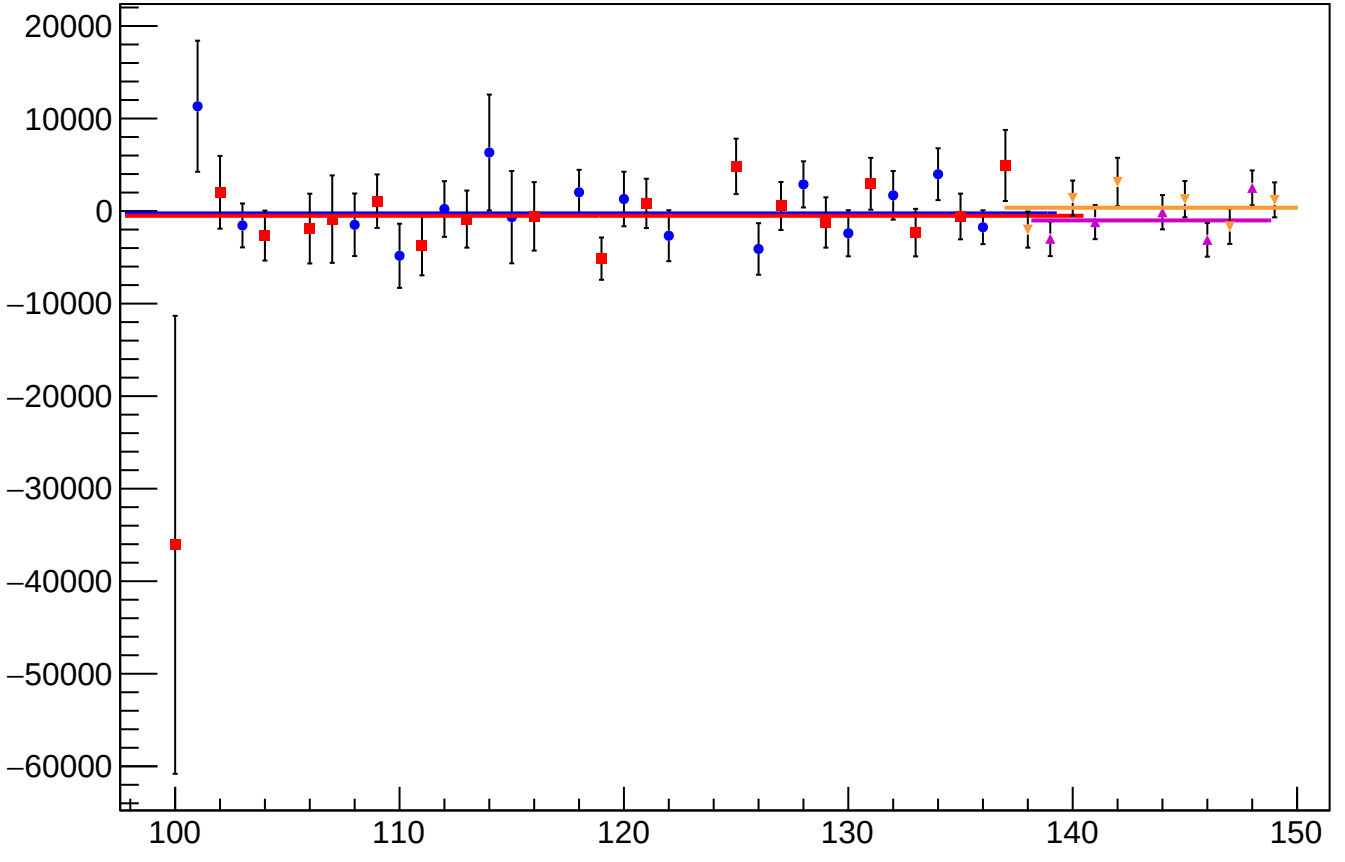
Left In: 937.096+/-0.320 χ^2/NDF:150439.8/4

+ sign 1103.025+/-0.241 χ^2/NDF: 2286596.0/21

All: 1126.337+/-0.175 χ^2/NDF: 5037773.8/44

- 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: 360.063+/-814.103 χ^2/NDF:4.5/5

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

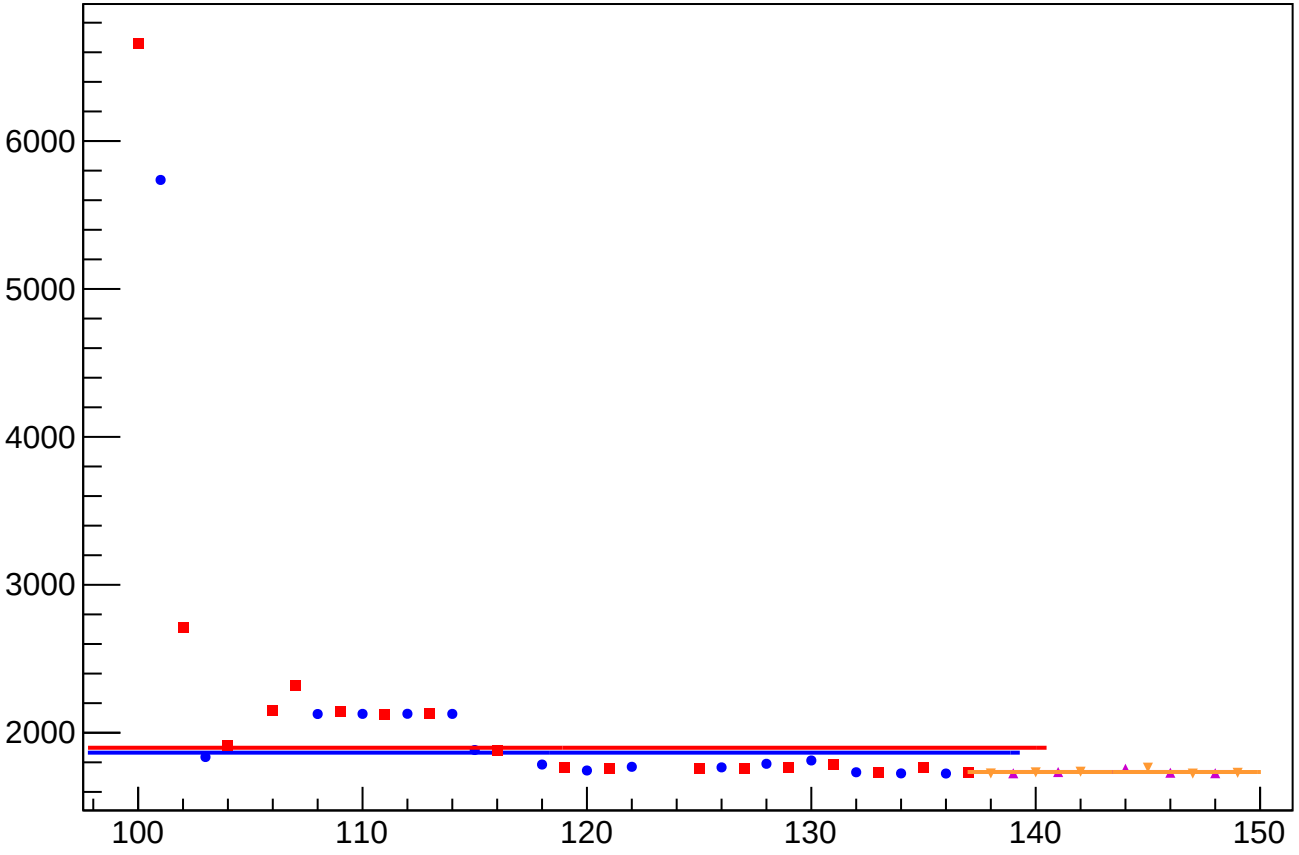
Left In: -1010.708+/-829.364 χ^2/NDF:6.2/4

+ sign 12.394+/-535.079 χ^2/NDF: 20.4/21

All: -351.105+/-380.688 χ^2/NDF: 44.2/44

- 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: 1734.607+/-0.576 χ^2/NDF:581.1/5

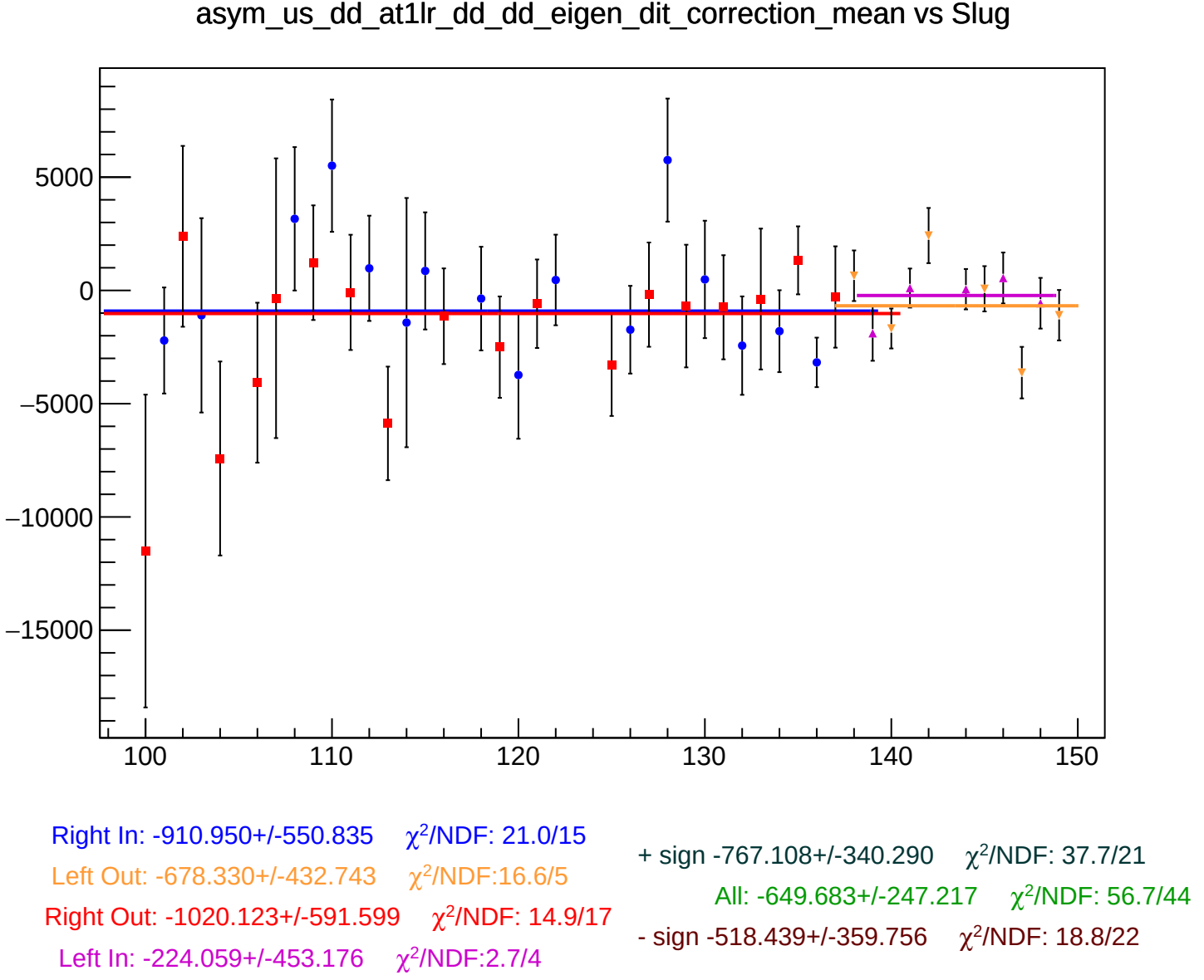
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

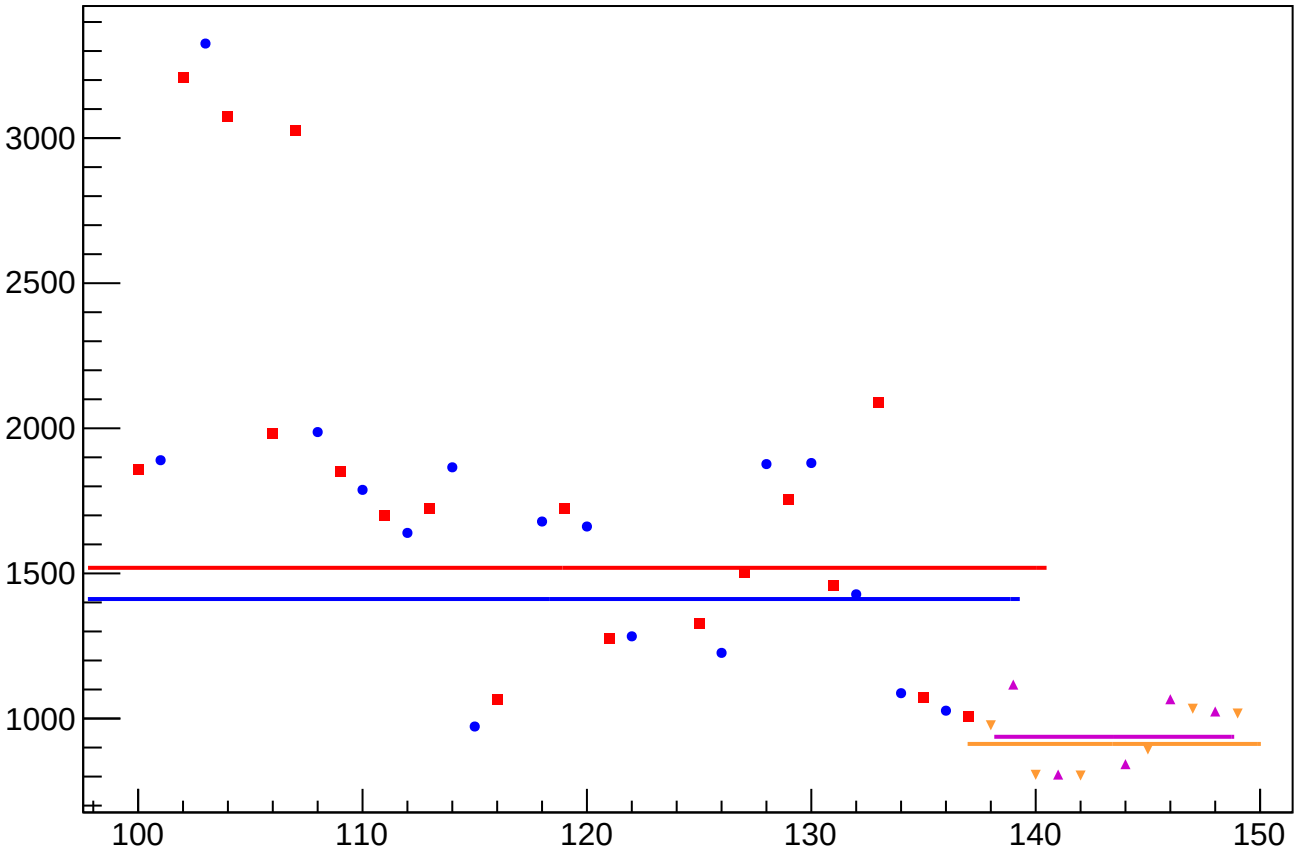
Left In: 1734.794+/-0.586 χ^2/NDF:378.4/4

+ sign 1808.921+/-0.378 χ^2/NDF: 704910.4/21

All: 1818.695+/-0.269 χ^2/NDF: 1020483.2/44

- sign 1828.713+/-0.383 χ^2/NDF: 314221.4/22


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -910.950+/-550.835 χ²/NDF: 21.0/15
Left Out: -678.330+/-432.743 χ²/NDF:16.6/5
Right Out: -1020.123+/-591.599 χ²/NDF: 14.9/17
Left In: -224.059+/-453.176 χ²/NDF:2.7/4
+ sign -767.108+/-340.290 χ²/NDF: 37.7/21
All: -649.683+/-247.217 χ²/NDF: 56.7/44
- sign -518.439+/-359.756 χ²/NDF: 18.8/22



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 912.484+/-0.306 χ^2/NDF:92877.3/5

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

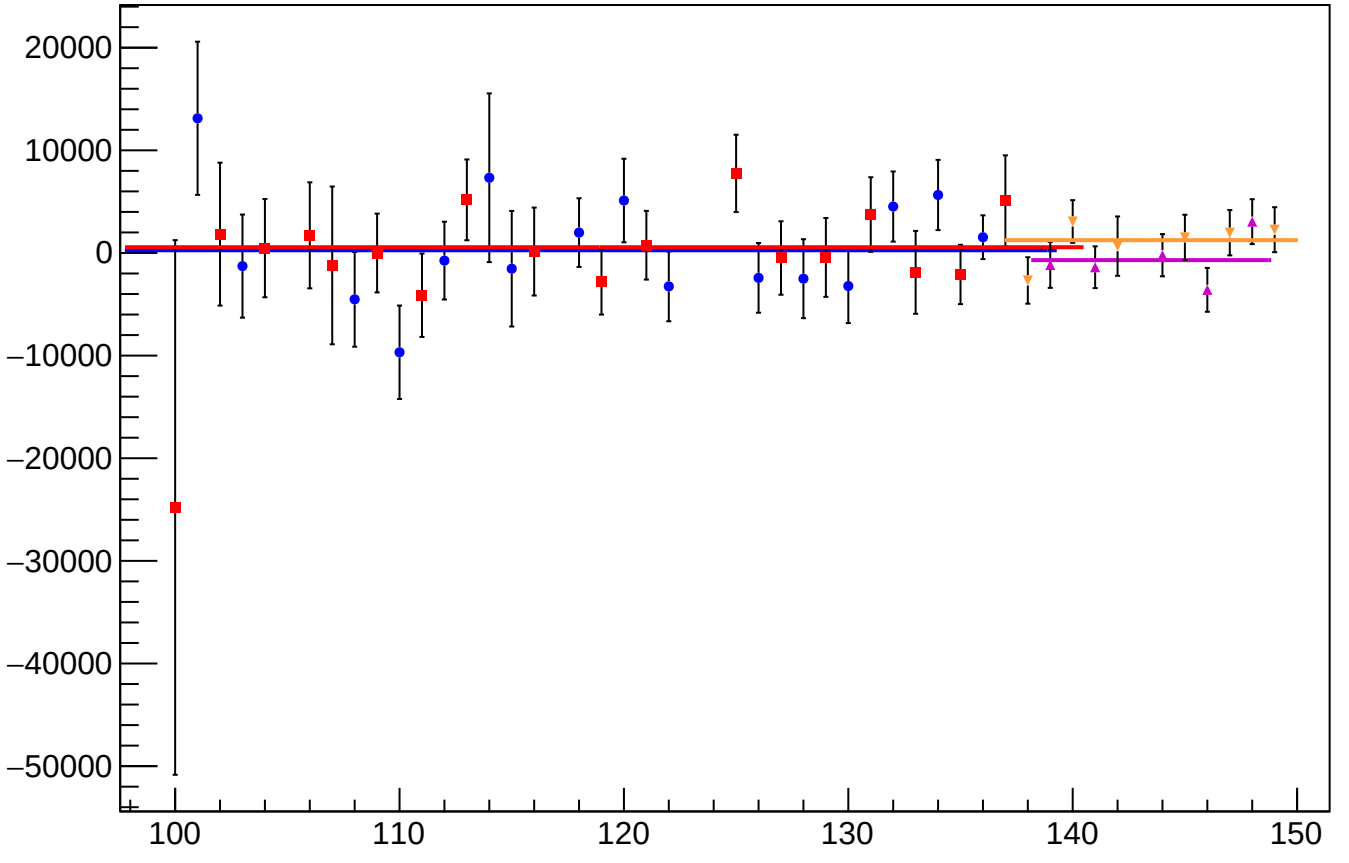
Left In: 937.095+/-0.320 χ^2/NDF:150443.9/4

+ sign 1103.023+/-0.241 χ^2/NDF: 2286596.7/21

All: 1126.336+/-0.175 χ^2/NDF: 5037778.7/44

- 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: 1248.303+/-926.620 χ^2/NDF:4.2/5

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

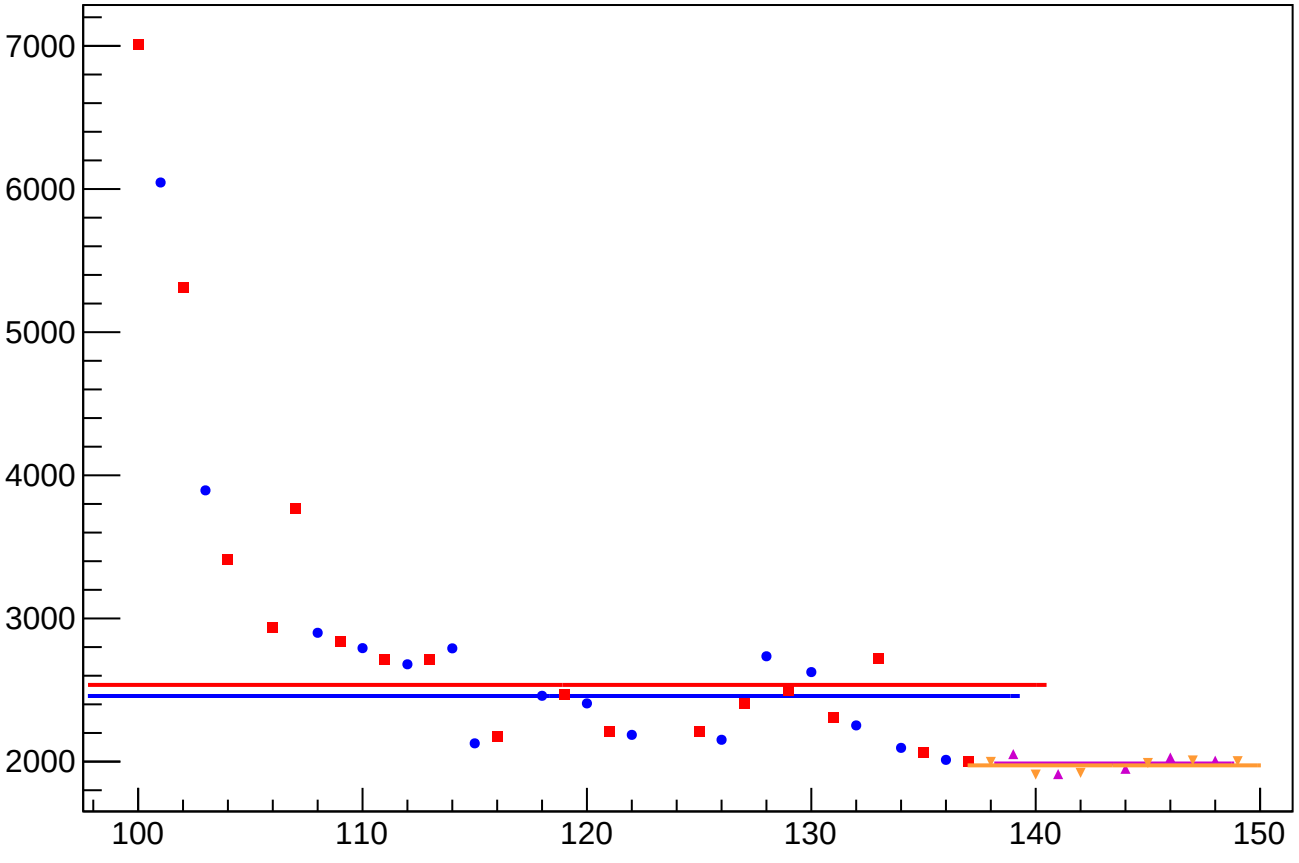
Left In: -697.752+/-950.249 χ^2/NDF:5.0/4

+ sign 764.430+/-660.583 χ^2/NDF: 23.7/21

All: 353.774+/-472.586 χ^2/NDF: 42.1/44

- 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: 1973.717+/-0.655 χ^2/NDF:3742.9/5

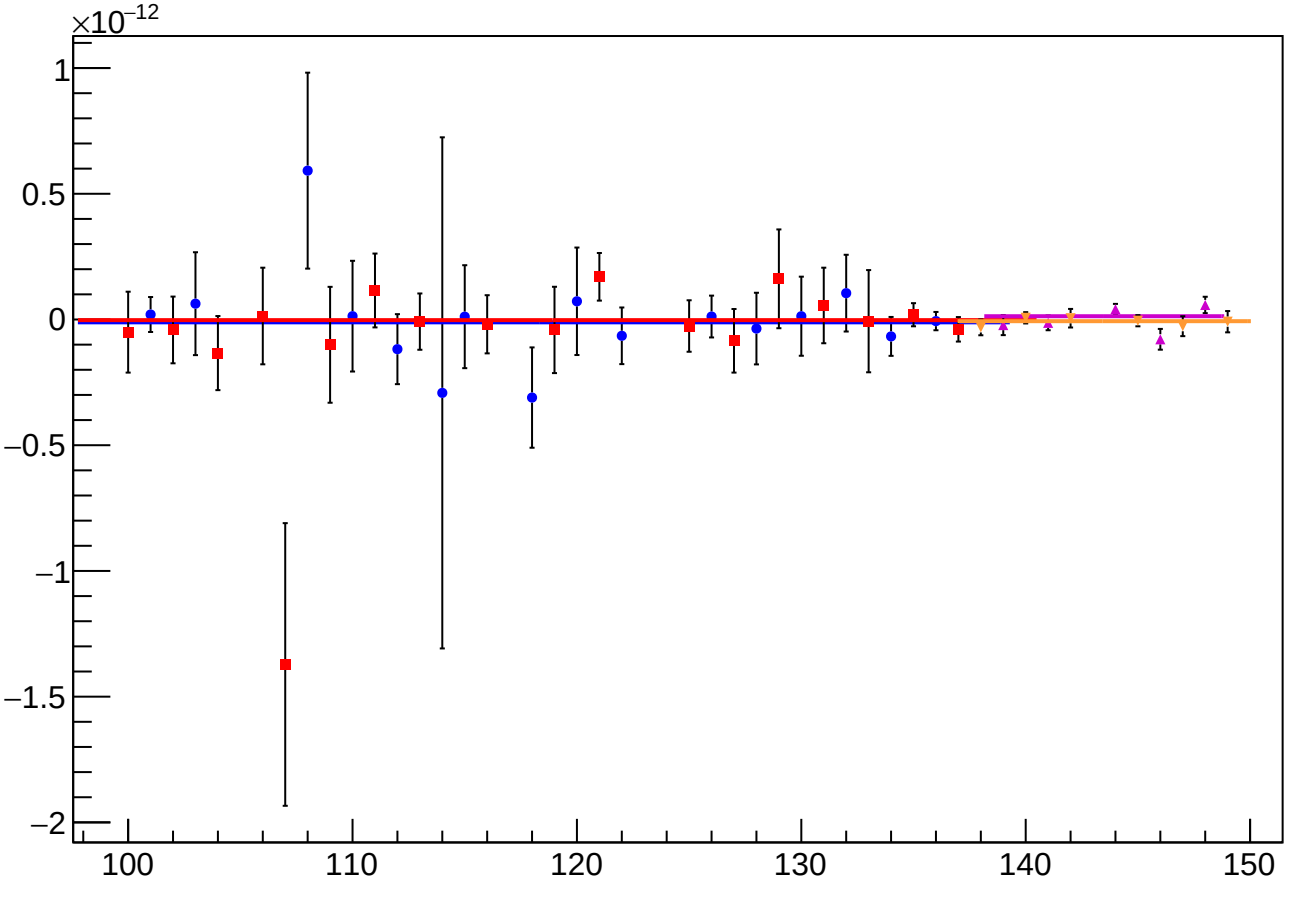
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1986.726+/-0.672 χ^2/NDF:5965.5/4

+ sign 2212.041+/-0.467 χ^2/NDF: 1105655.8/21

All: 2234.289+/-0.334 χ^2/NDF: 2119032.3/44

- 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:1.3/5

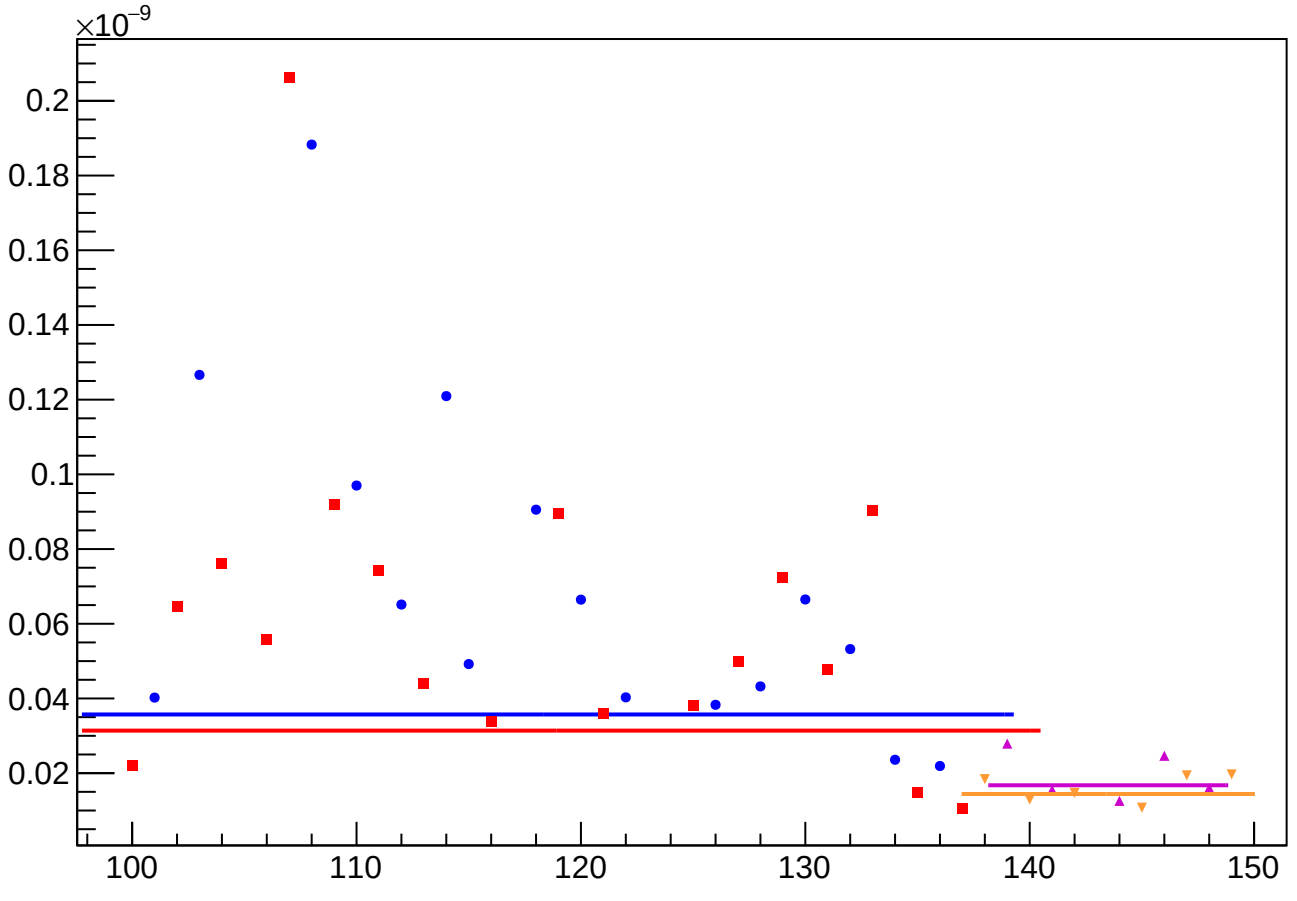
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:10.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 8.7/21

All: 0.000+/-0.000 χ^2/NDF: 33.6/44

- sign 0.000+/-0.000 χ^2/NDF: 23.7/22



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:158278.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

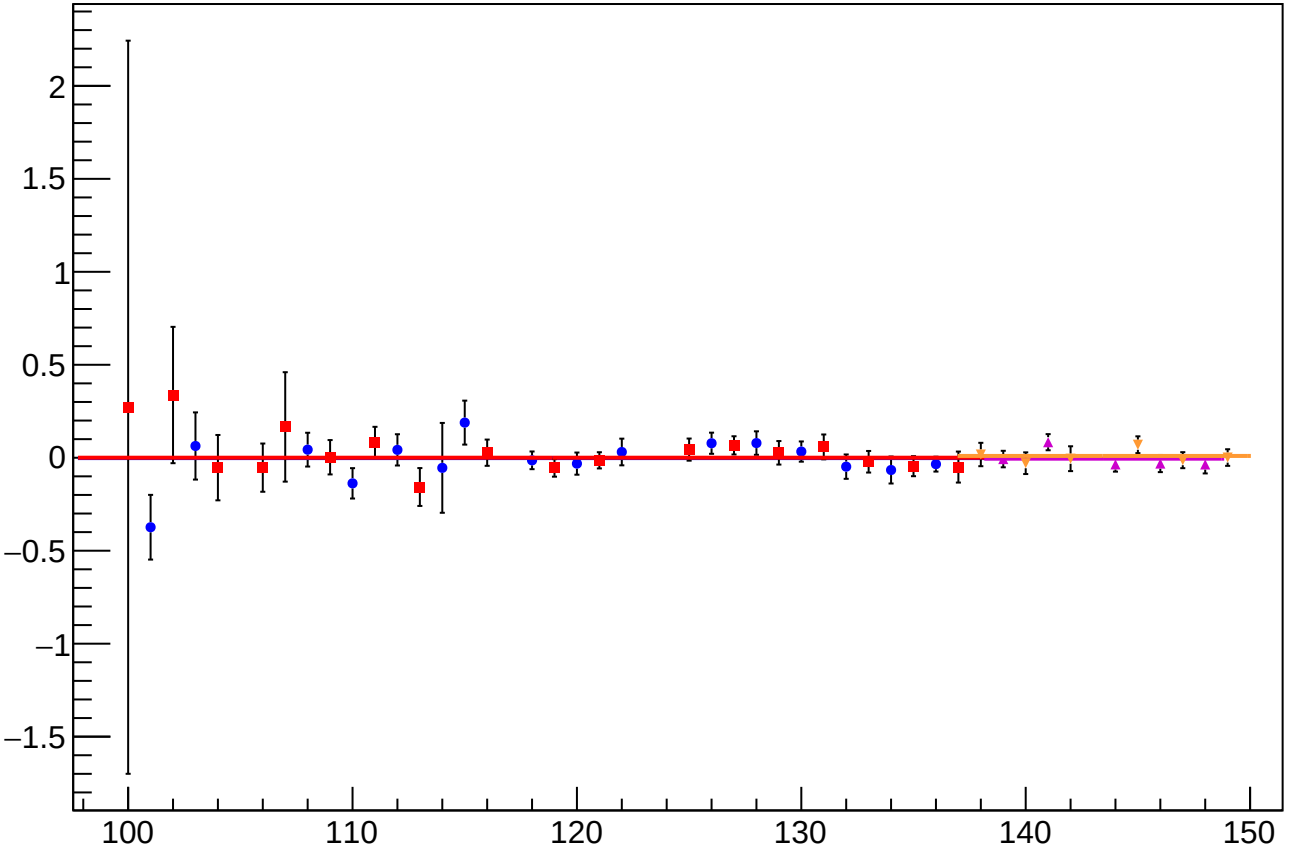
Left In: 0.000+/-0.000 χ^2/NDF:312756.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 2994446.4/21

All: 0.000+/-0.000 χ^2/NDF: 5950255.7/44

- sign 0.000+/-0.000 χ^2/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: 0.010+/-0.021 χ^2/NDF:2.6/5

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

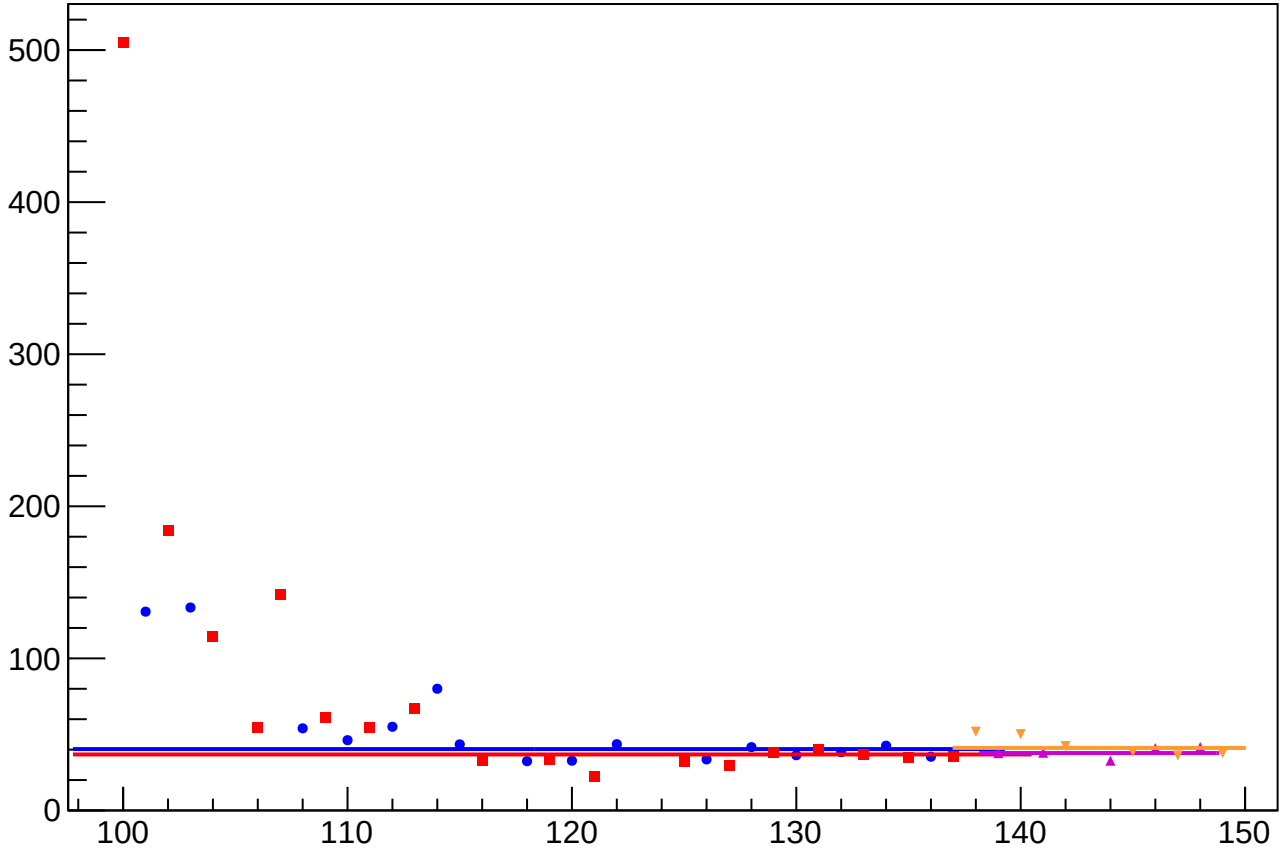
Left In: -0.005+/-0.020 χ^2/NDF:5.5/4

+ sign 0.003+/-0.013 χ^2/NDF: 19.9/21

All: 0.000+/-0.009 χ^2/NDF: 36.5/44

- 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: 41.115+/-0.015 χ^2/NDF:150437.5/5

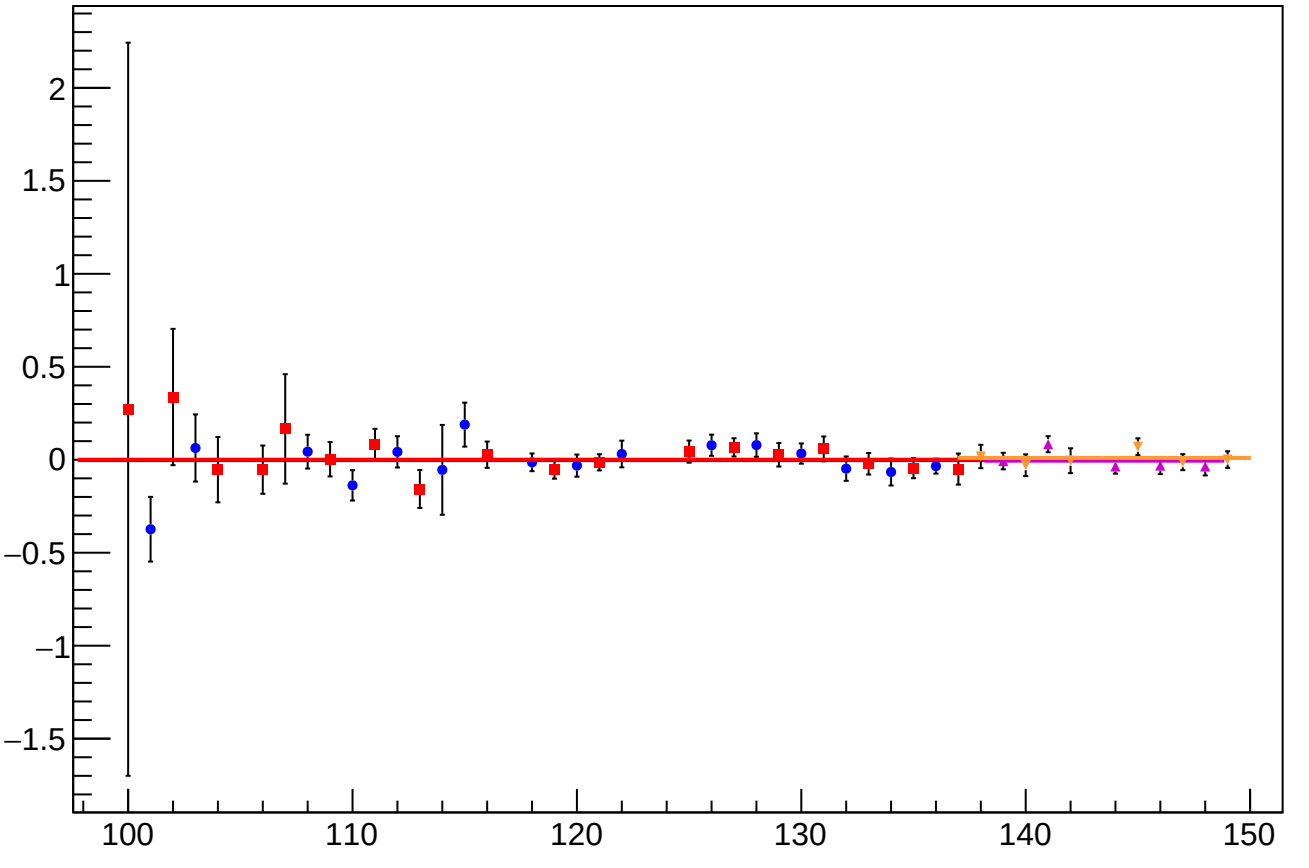
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.746+/-0.014 χ^2/NDF:56233.0/4

+ sign 40.658+/-0.009 χ^2/NDF: 1562178.6/21

All: 38.867+/-0.006 χ^2/NDF: 3528867.0/44

- 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: 0.010+/-0.021 χ^2/NDF:2.6/5

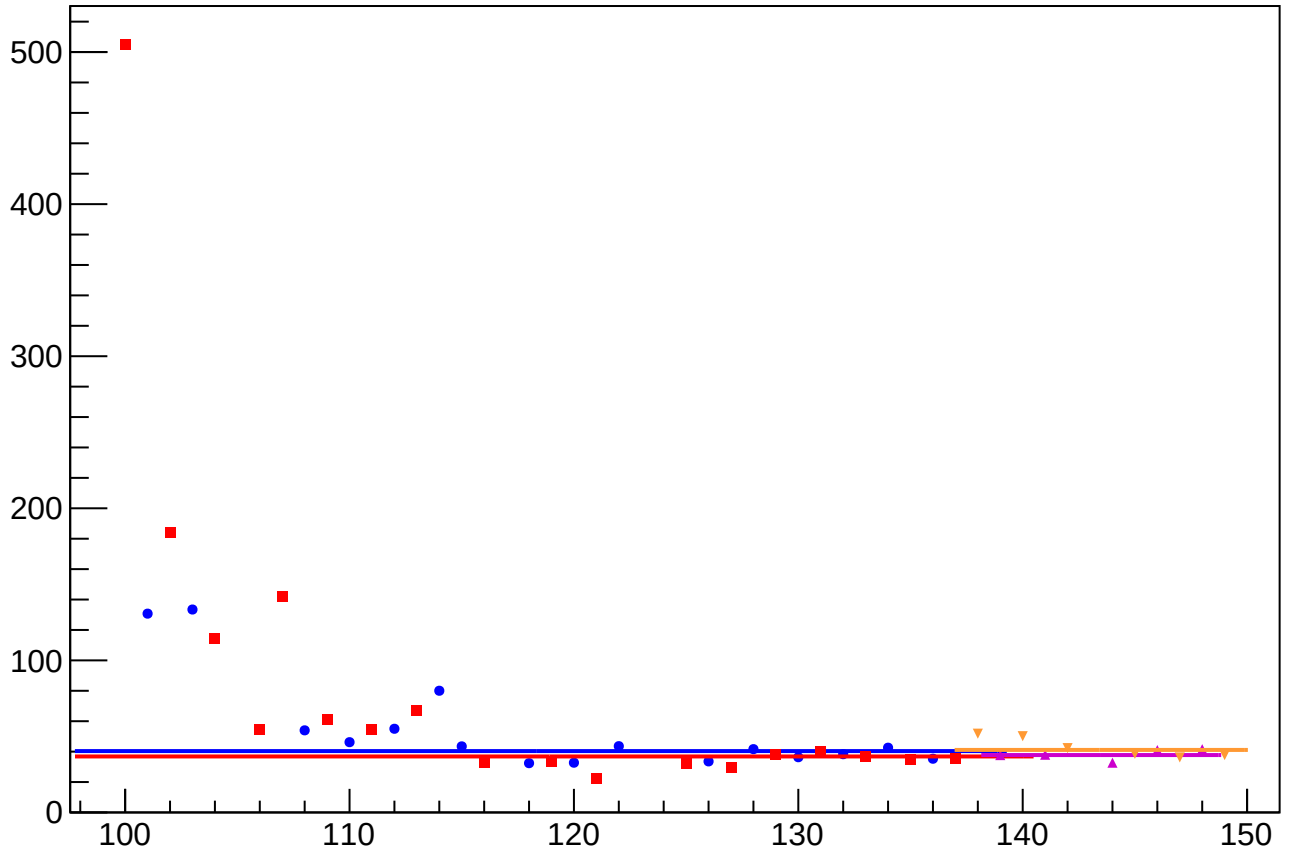
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.005+/-0.020 χ^2/NDF:5.5/4

+ sign 0.003+/-0.013 χ^2/NDF: 19.9/21

All: 0.000+/-0.009 χ^2/NDF: 36.5/44

- 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: 41.115+/-0.015 χ^2/NDF:150437.5/5

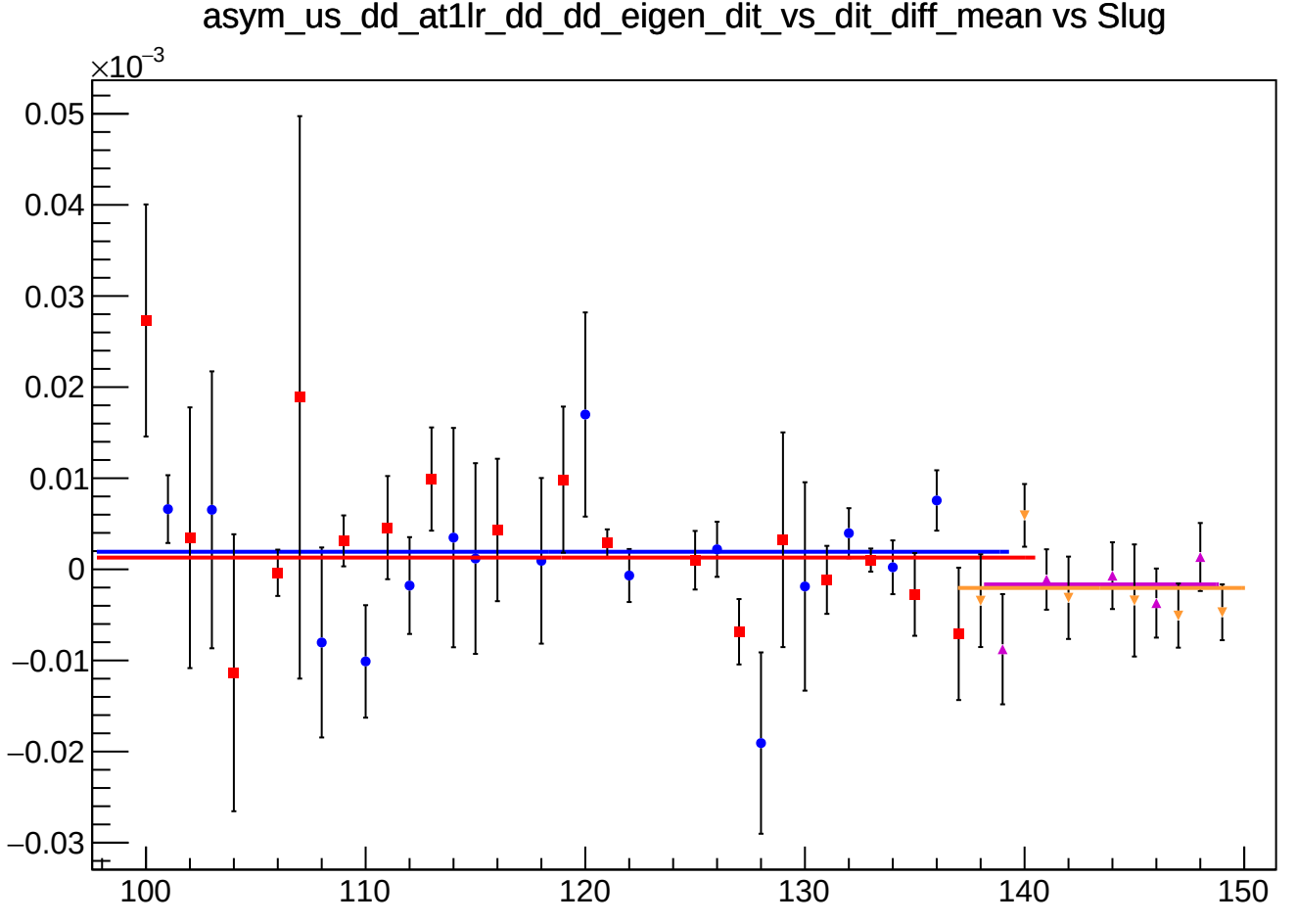
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.746+/-0.014 χ^2/NDF:56233.0/4

+ sign 40.658+/-0.009 χ^2/NDF: 1562178.6/21

All: 38.867+/-0.006 χ^2/NDF: 3528867.0/44

- 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:7.0/5

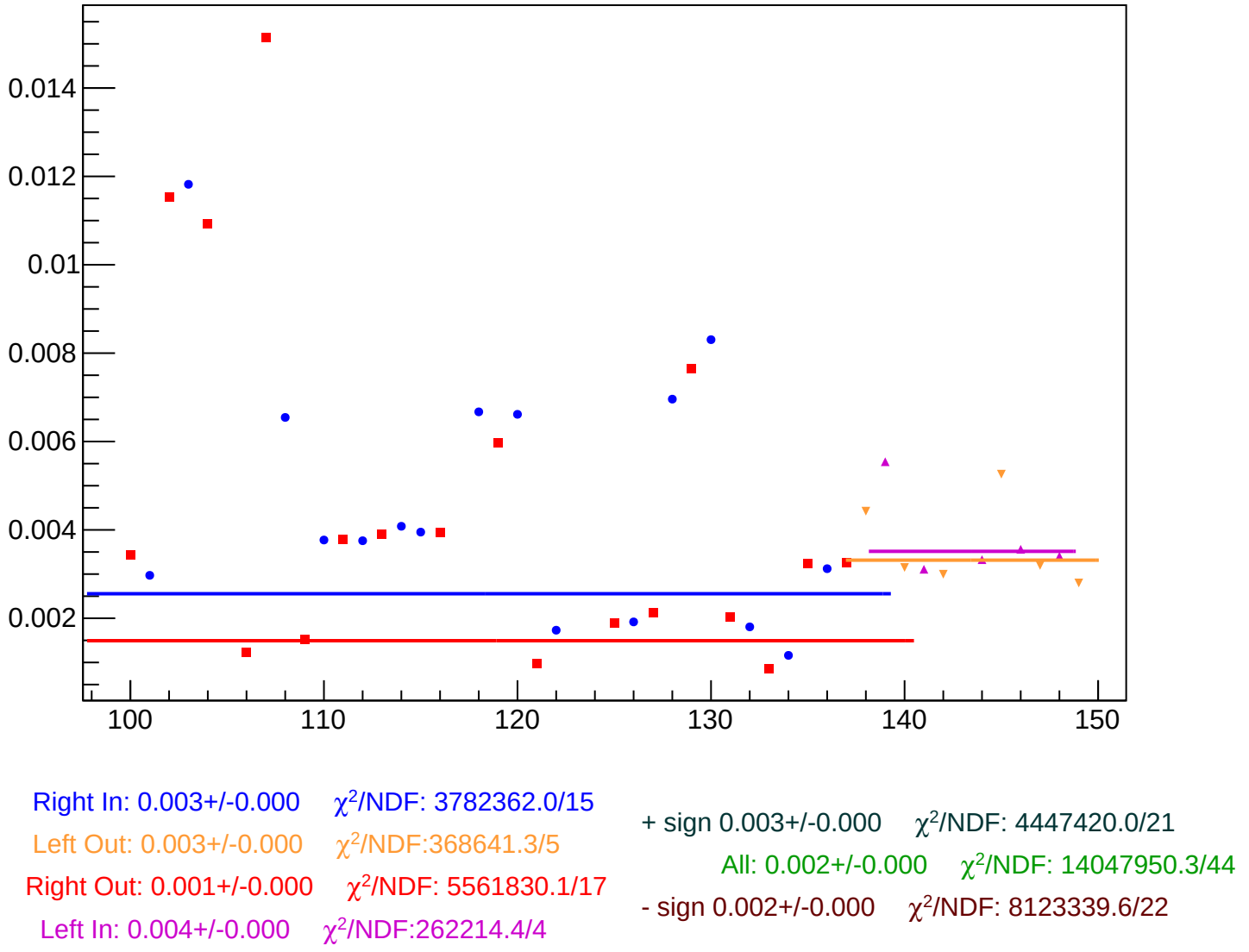
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

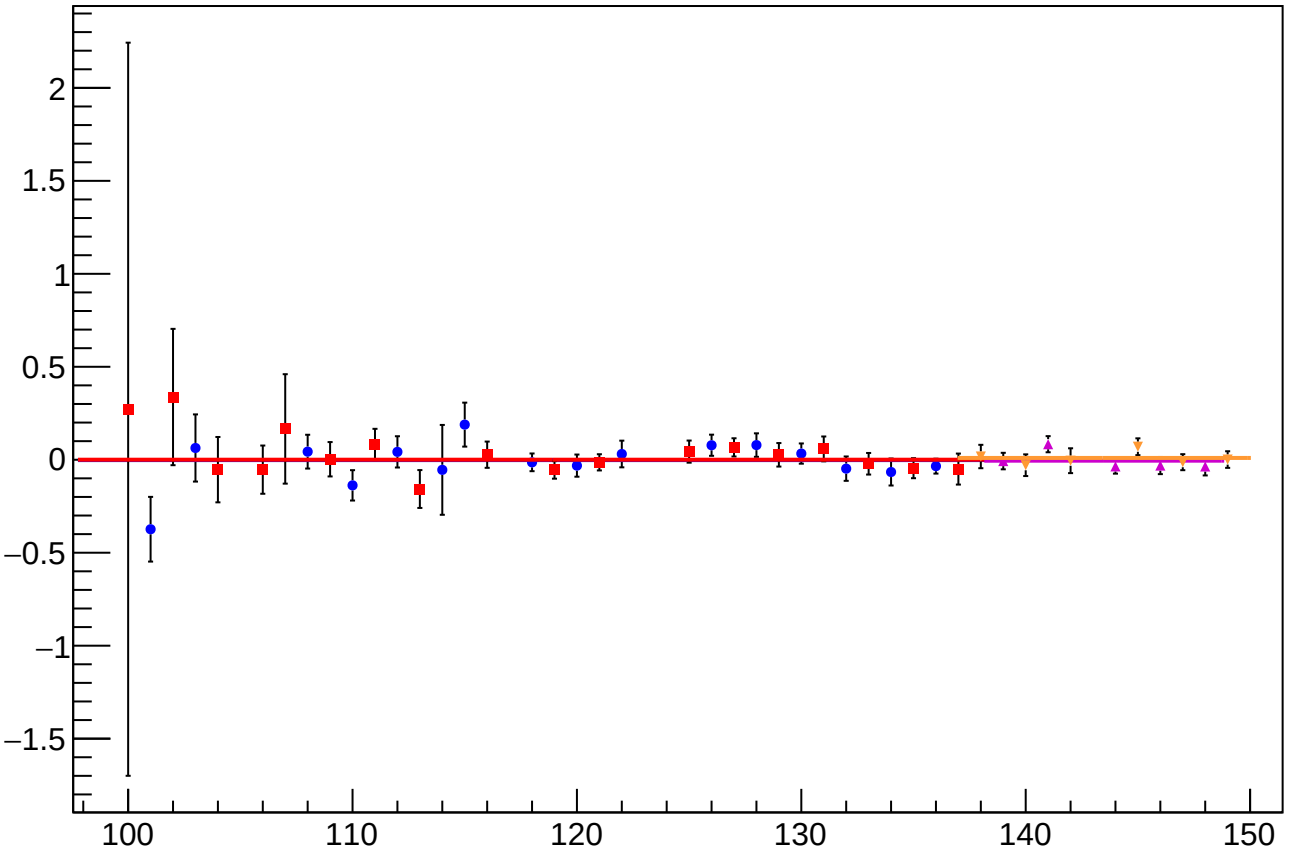
Left In: -0.000+/-0.000 χ^2/NDF:2.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 29.0/21

All: 0.000+/-0.000 χ^2/NDF: 52.7/44

- sign 0.000+/-0.000 χ^2/NDF: 23.7/22


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.003+/-0.000 χ²/NDF:368641.3/5
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:262214.4/4
+ sign 0.003+/-0.000 χ²/NDF: 4447420.0/21
All: 0.002+/-0.000 χ²/NDF: 14047950.3/44
- sign 0.002+/-0.000 χ²/NDF: 8123339.6/22



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.010+/-0.021 χ^2/NDF:2.6/5

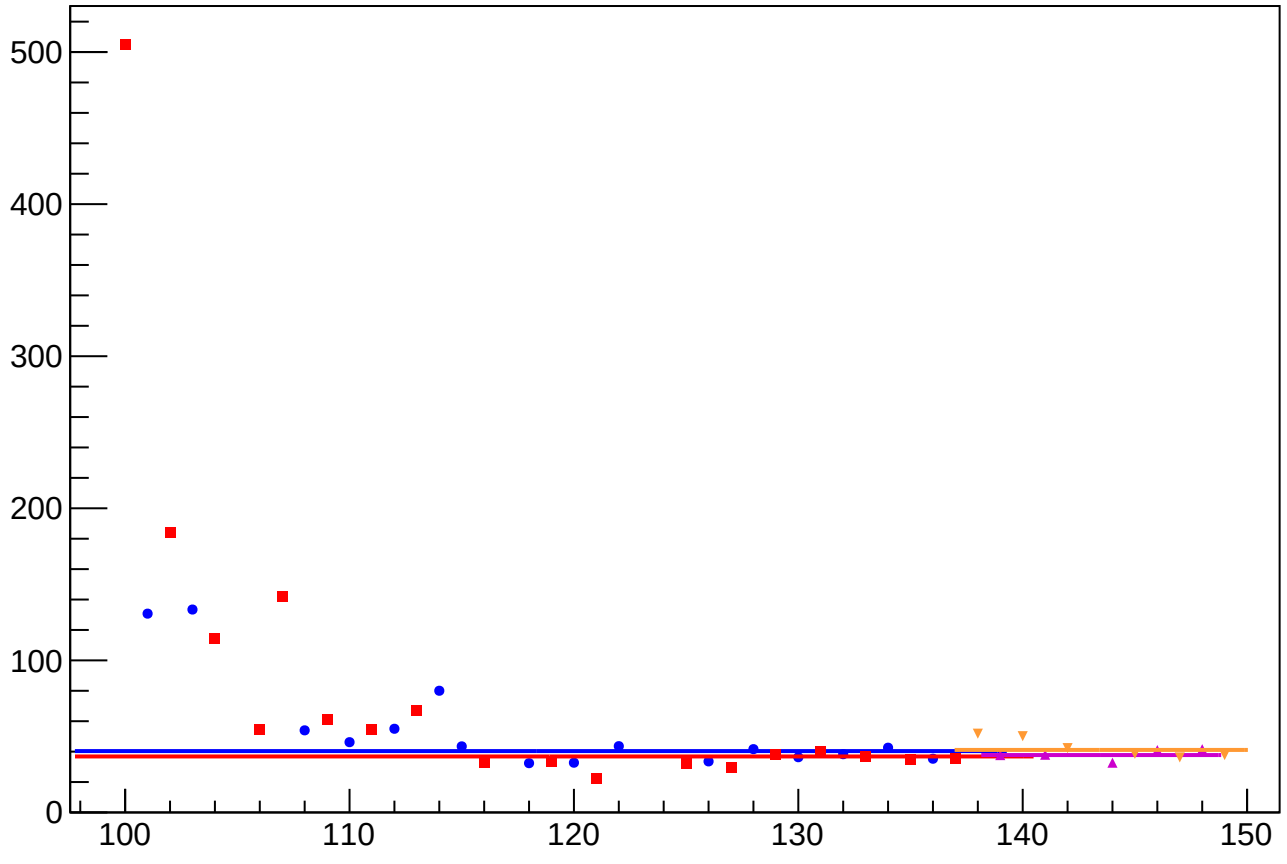
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.005+/-0.020 χ^2/NDF:5.5/4

+ sign 0.003+/-0.013 χ^2/NDF: 19.9/21

All: 0.000+/-0.009 χ^2/NDF: 36.5/44

- 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: 41.114+/-0.015 χ^2/NDF:150451.4/5

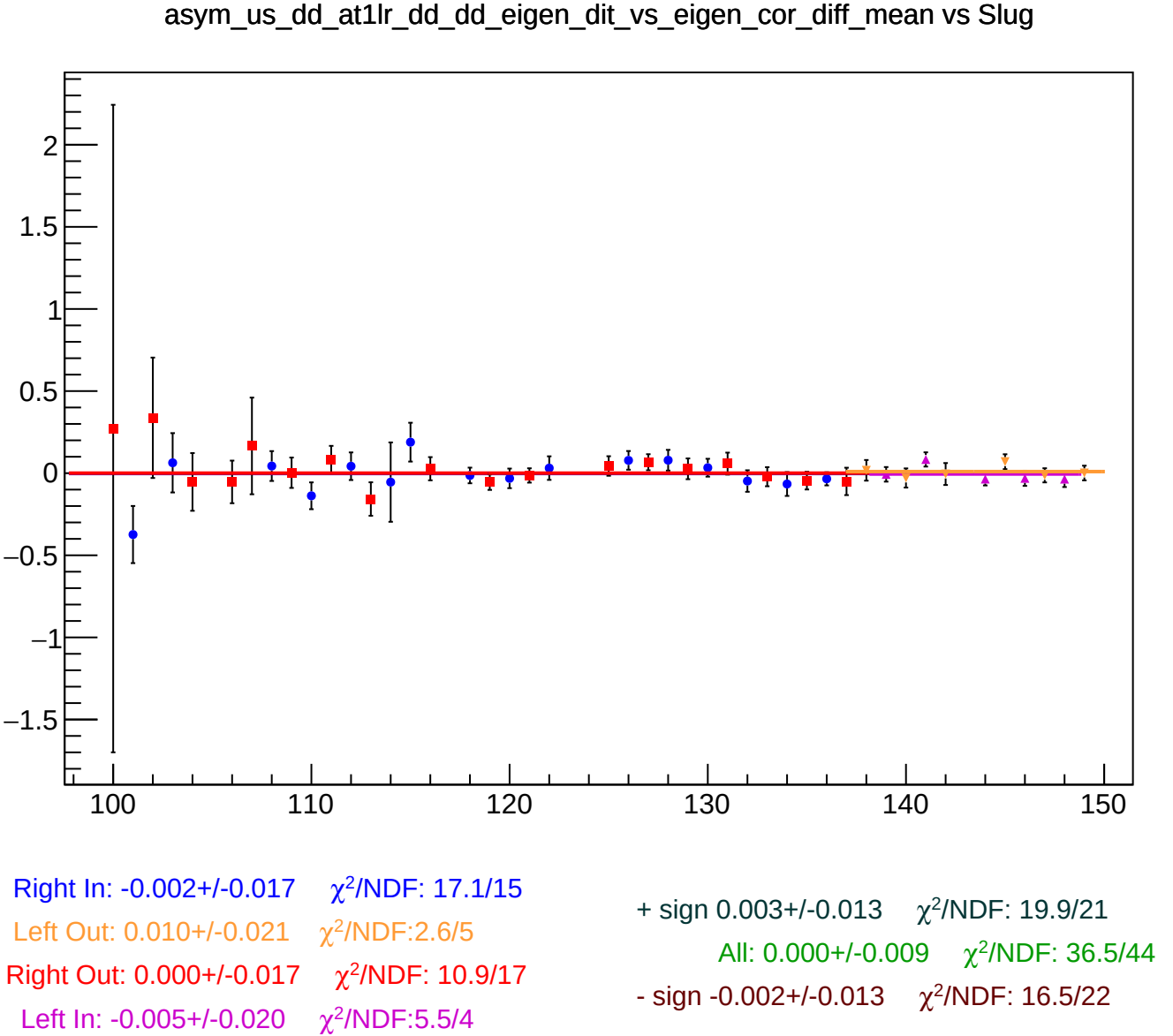
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

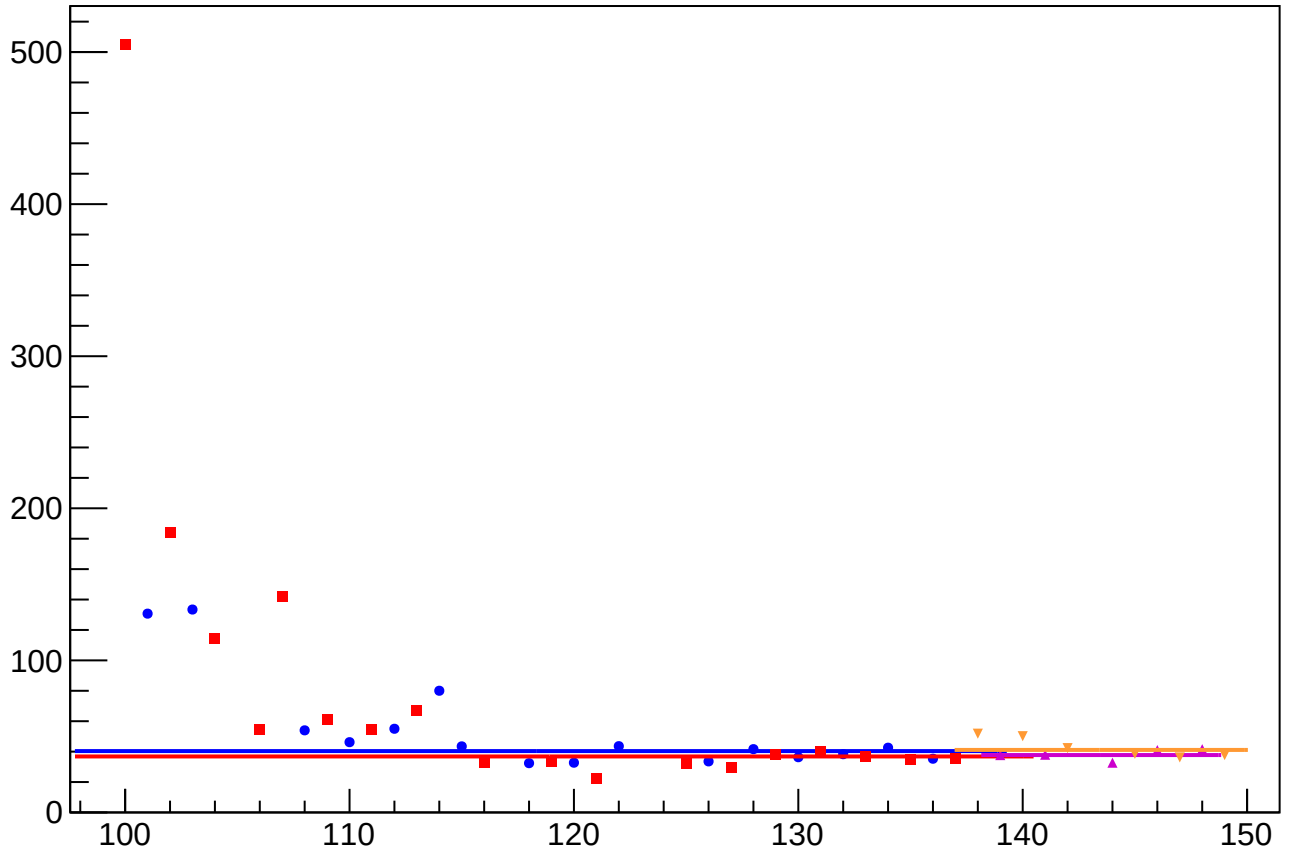
Left In: 37.746+/-0.014 χ^2/NDF:56226.2/4

\+ sign 40.658+/-0.009 χ^2/NDF: 1562087.8/21

All: 38.867+/-0.006 χ^2/NDF: 3528797.9/44

\- 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
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: 0.010+/-0.021 χ²/NDF:2.6/5
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: -0.005+/-0.020 χ²/NDF:5.5/4
+ sign 0.003+/-0.013 χ²/NDF: 19.9/21
All: 0.000+/-0.009 χ²/NDF: 36.5/44
- sign -0.002+/-0.013 χ²/NDF: 16.5/22



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.114+/-0.015 χ^2/NDF:150451.4/5

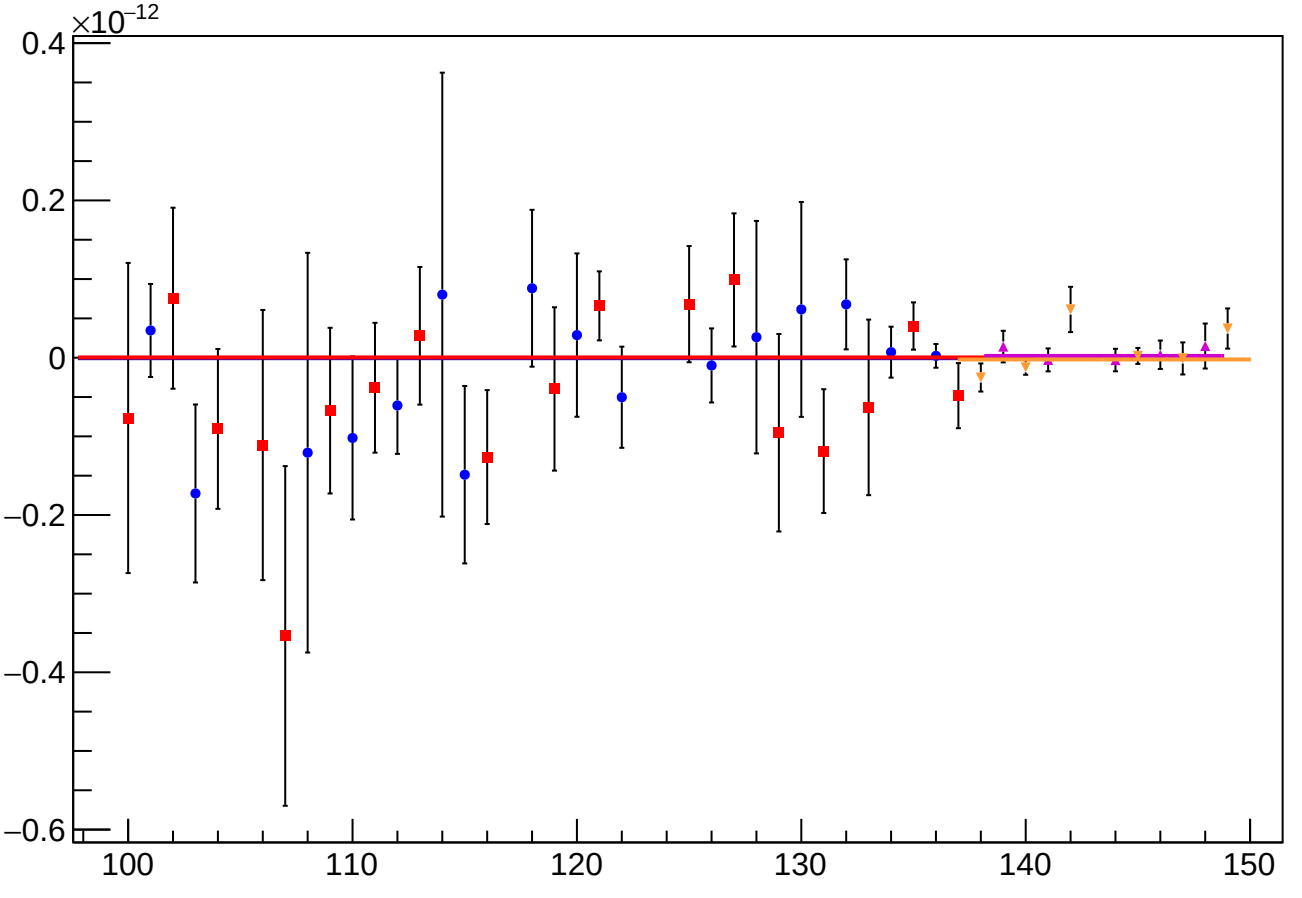
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.746+/-0.014 χ^2/NDF:56226.2/4

+ sign 40.658+/-0.009 χ^2/NDF: 1562087.8/21

All: 38.867+/-0.006 χ^2/NDF: 3528797.9/44

- 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:10.2/5

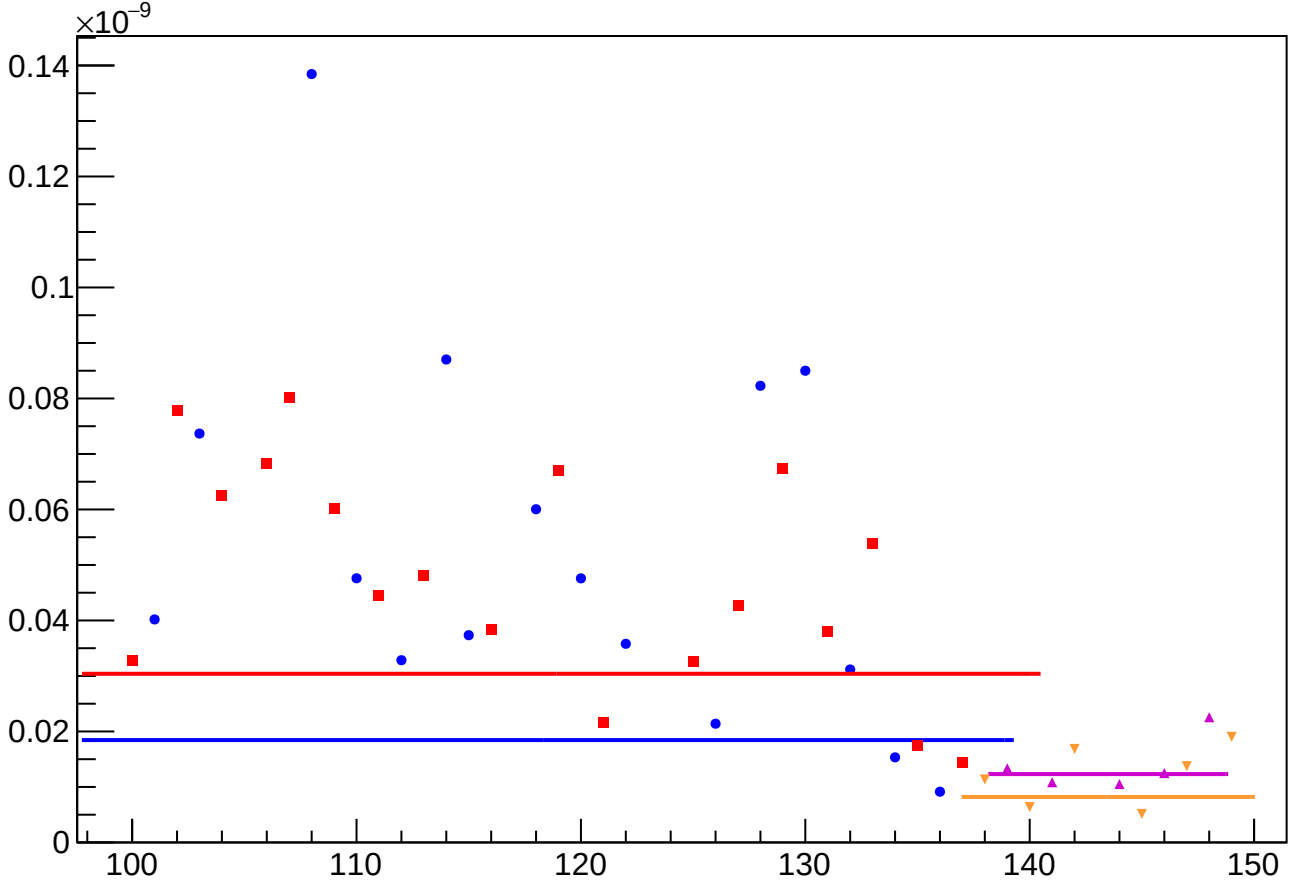
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 20.1/21

All: -0.000+/-0.000 χ^2/NDF: 39.5/44

- 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:1005574.3/5

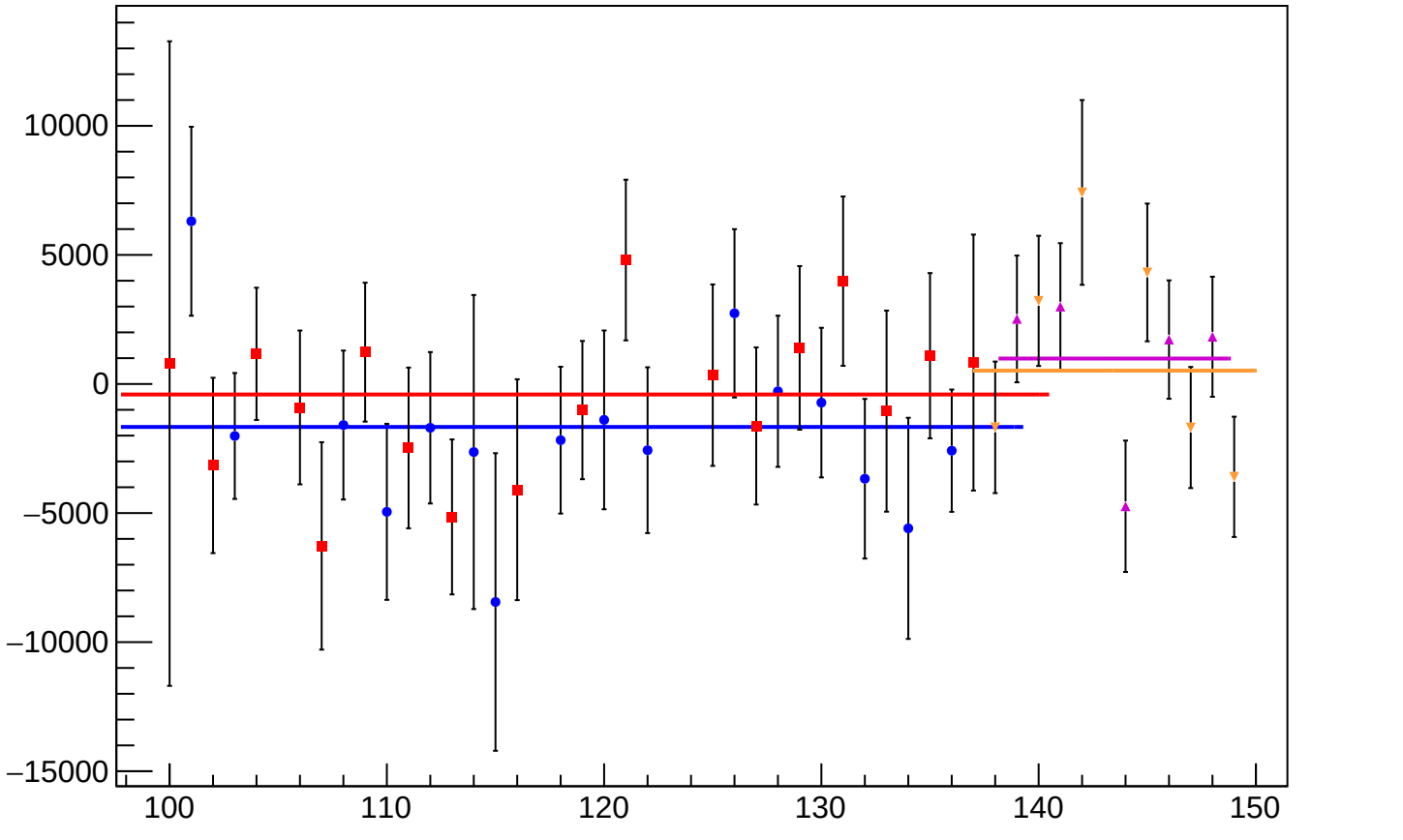
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:313461.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 6278528.4/21

All: 0.000+/-0.000 χ^2/NDF: 11688630.2/44

- 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: 518.807+/-1056.482 χ^2/NDF:11.6/5

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

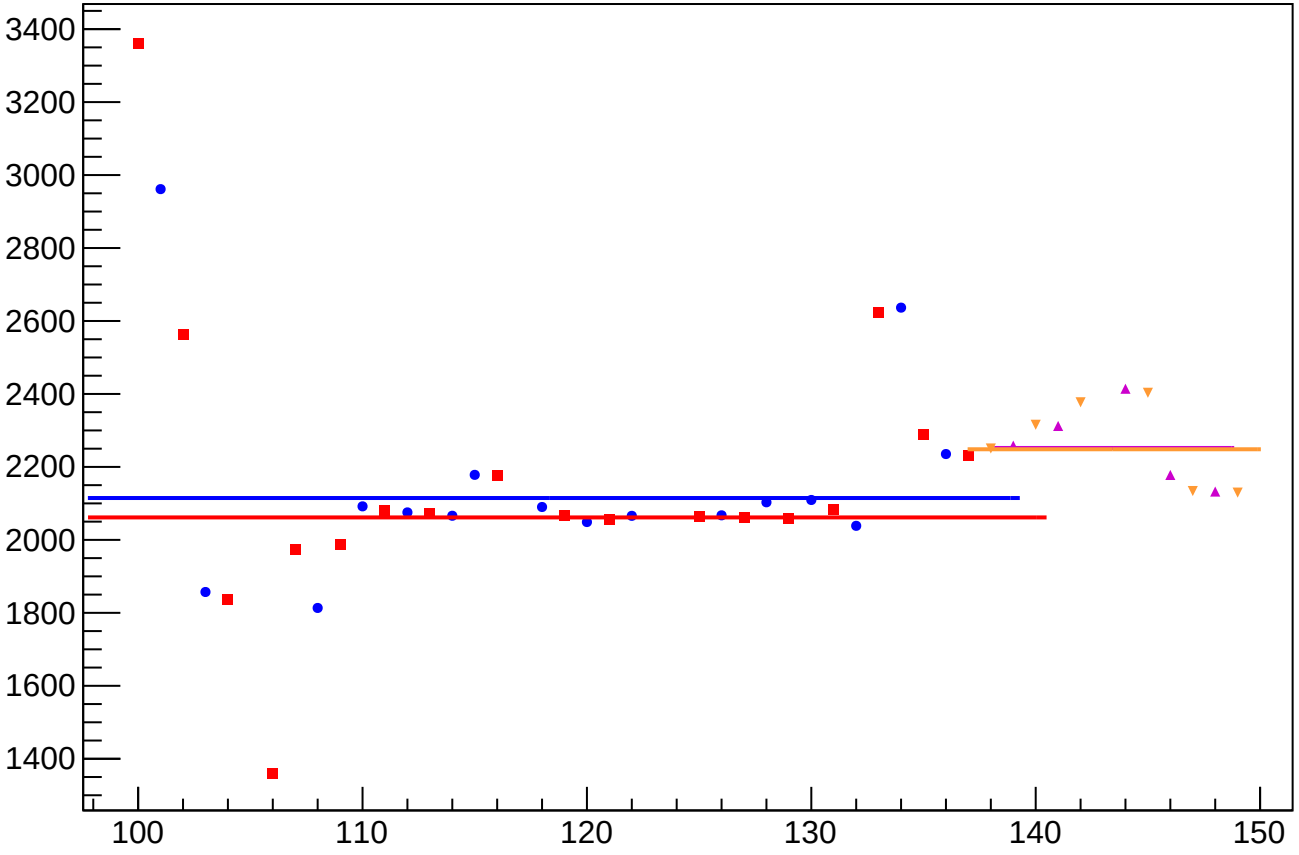
Left In: 985.306+/-1077.721 χ^2/NDF:6.4/4

+ sign -878.636+/-633.788 χ^2/NDF: 25.2/21

All: -402.037+/-446.938 χ^2/NDF: 46.5/44

- 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: 2248.368+/-0.747 χ^2/NDF:20712.7/5

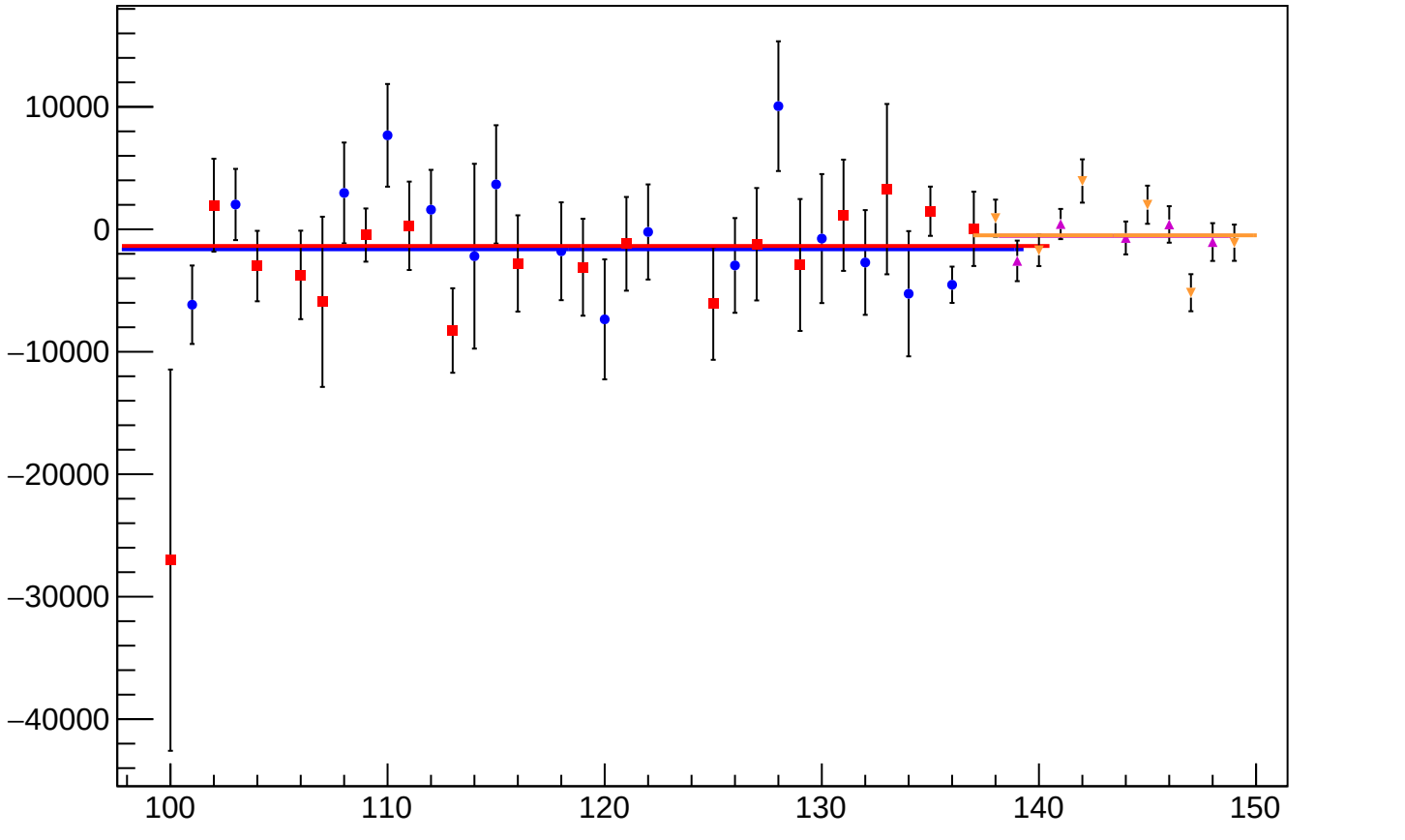
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2251.937+/-0.762 χ^2/NDF:16722.8/4

+ sign 2162.840+/-0.448 χ^2/NDF: 231110.1/21

All: 2144.666+/-0.316 χ^2/NDF: 541349.2/44

- 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: -491.018+/-612.317 χ^2/NDF:20.4/5

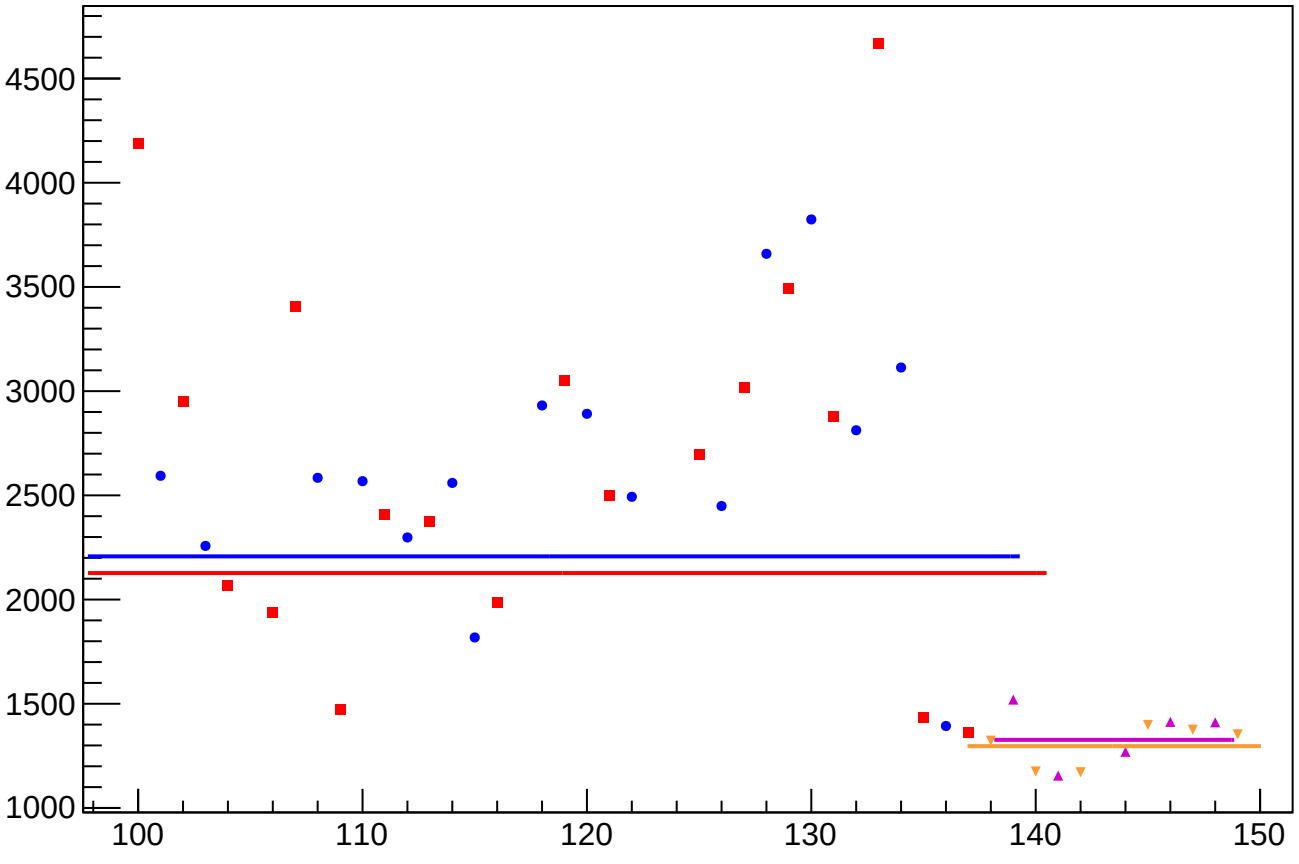
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -533.193+/-639.310 χ^2/NDF:2.7/4

\+ sign -872.908+/-499.272 χ^2/NDF: 44.4/21

All: -855.264+/-356.367 χ^2/NDF: 61.1/44

\- 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: 1296.607+/-0.433 χ^2/NDF:45427.7/5

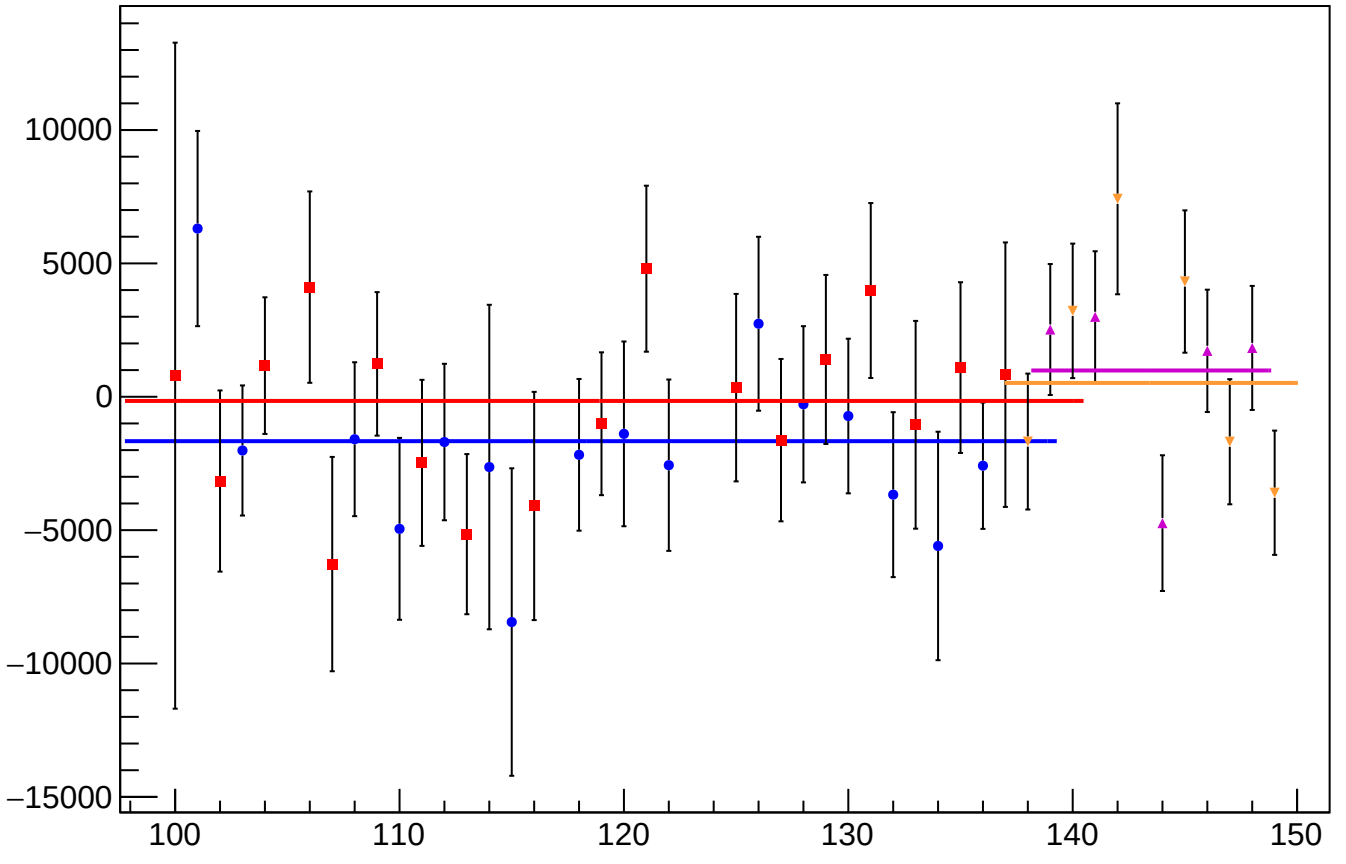
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1326.875+/-0.452 χ^2/NDF:82286.1/4

+ sign 1601.812+/-0.353 χ^2/NDF: 2777273.6/21

All: 1610.855+/-0.252 χ^2/NDF: 5467909.4/44

- 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: 518.931+/-1056.482 χ^2/NDF:11.6/5

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

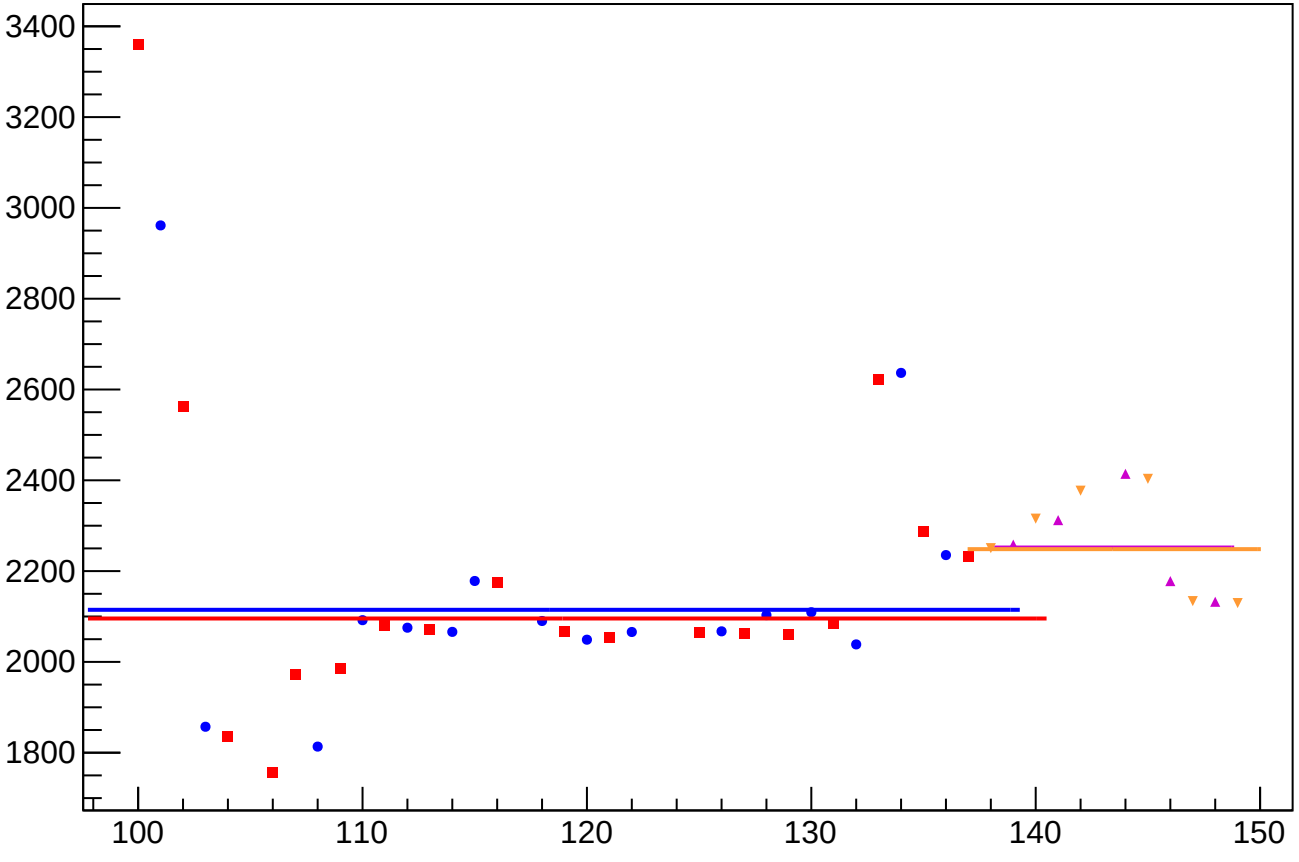
Left In: 985.531+/-1077.721 χ^2/NDF:6.4/4

\+ sign -878.543+/-633.788 χ^2/NDF: 25.2/21

All: -320.060+/-448.504 χ^2/NDF: 48.0/44

\- 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: 2248.368+/-0.747 χ^2/NDF:20712.7/5

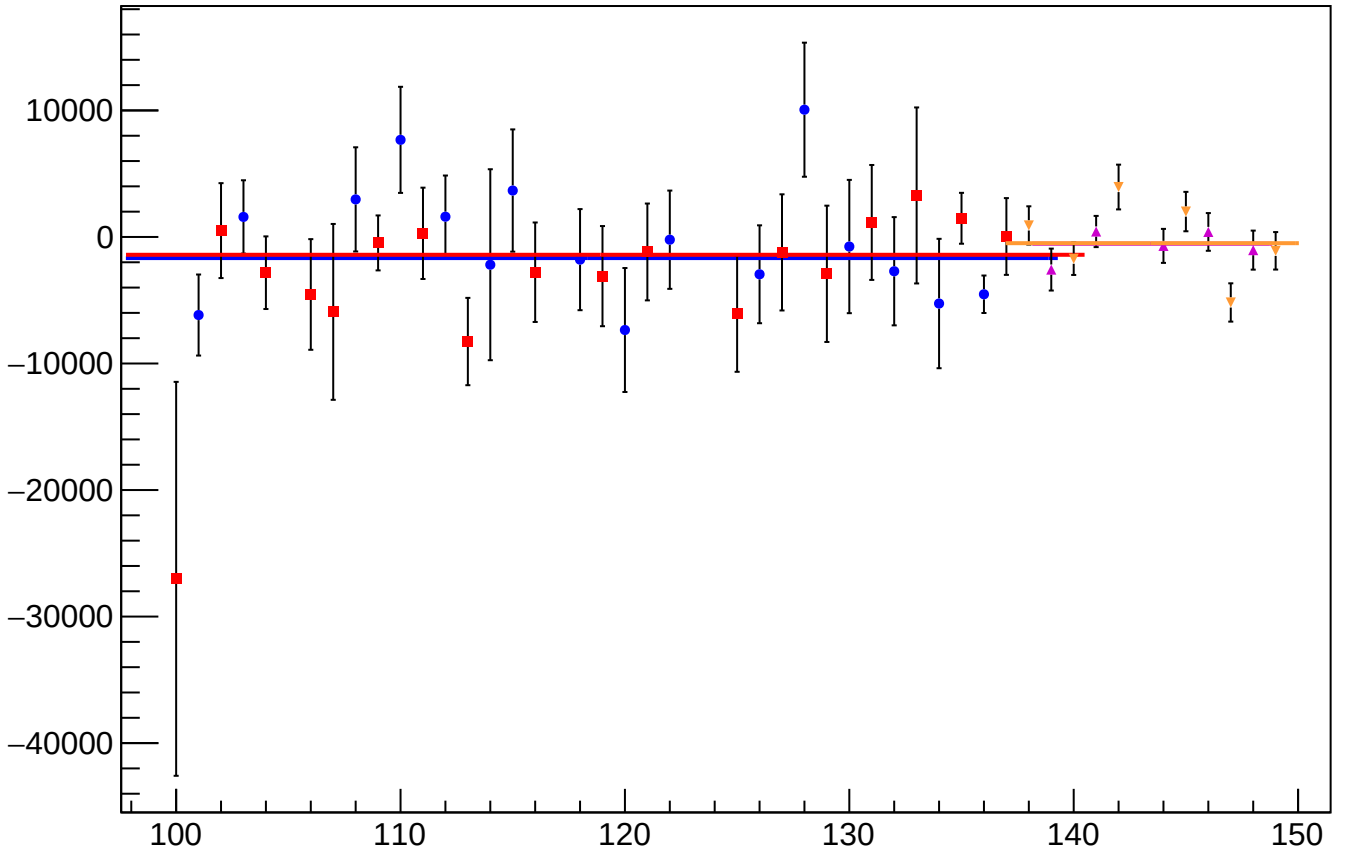
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2251.937+/-0.762 χ^2/NDF:16722.8/4

+ sign 2162.840+/-0.448 χ^2/NDF: 231110.4/21

All: 2156.347+/-0.317 χ^2/NDF: 425101.2/44

- 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: -491.107+/-612.326 χ^2/NDF:20.4/5

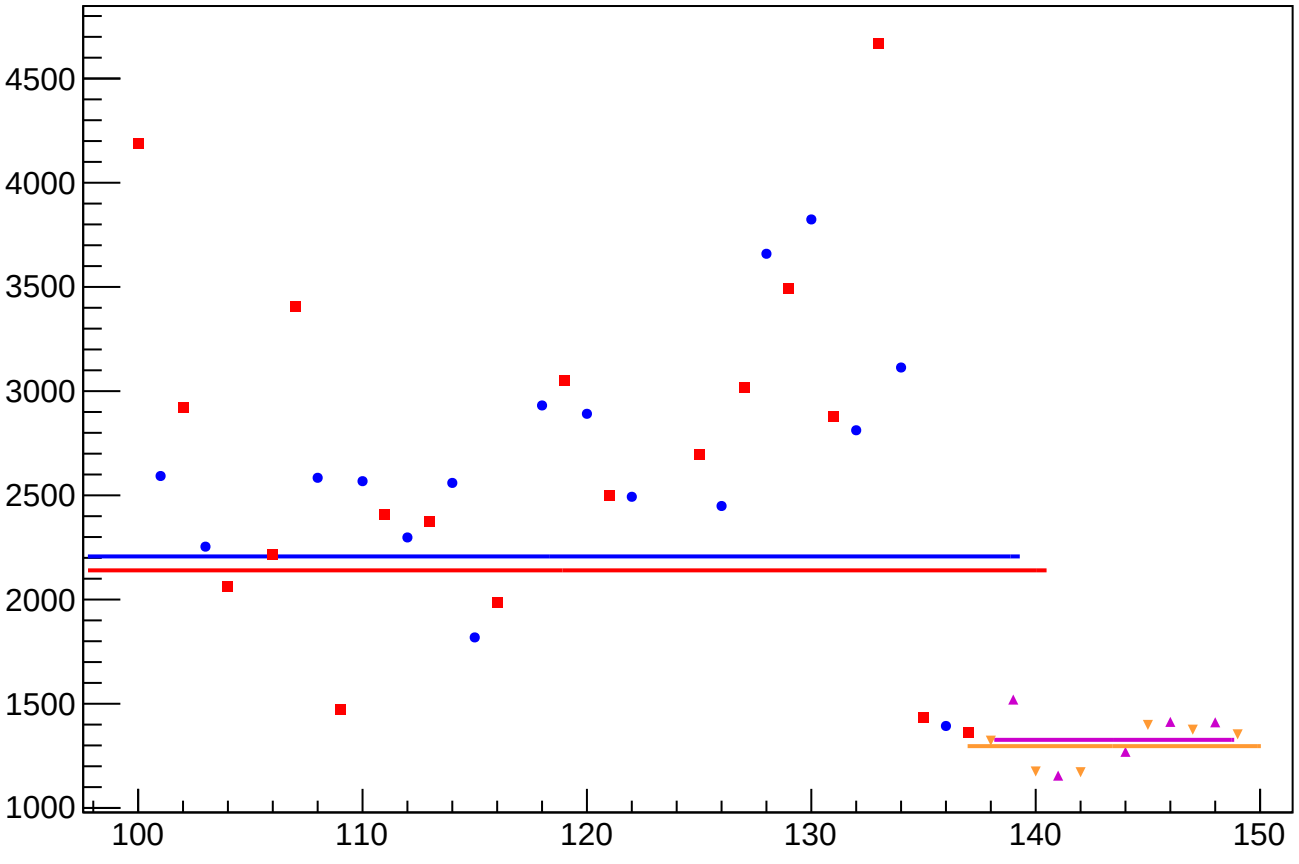
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -533.119+/-639.306 χ^2/NDF:2.7/4

+ sign -885.891+/-499.221 χ^2/NDF: 44.1/21

All: -868.635+/-356.850 χ^2/NDF: 60.4/44

- 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: 1296.628+/-0.433 χ^2/NDF:45409.6/5

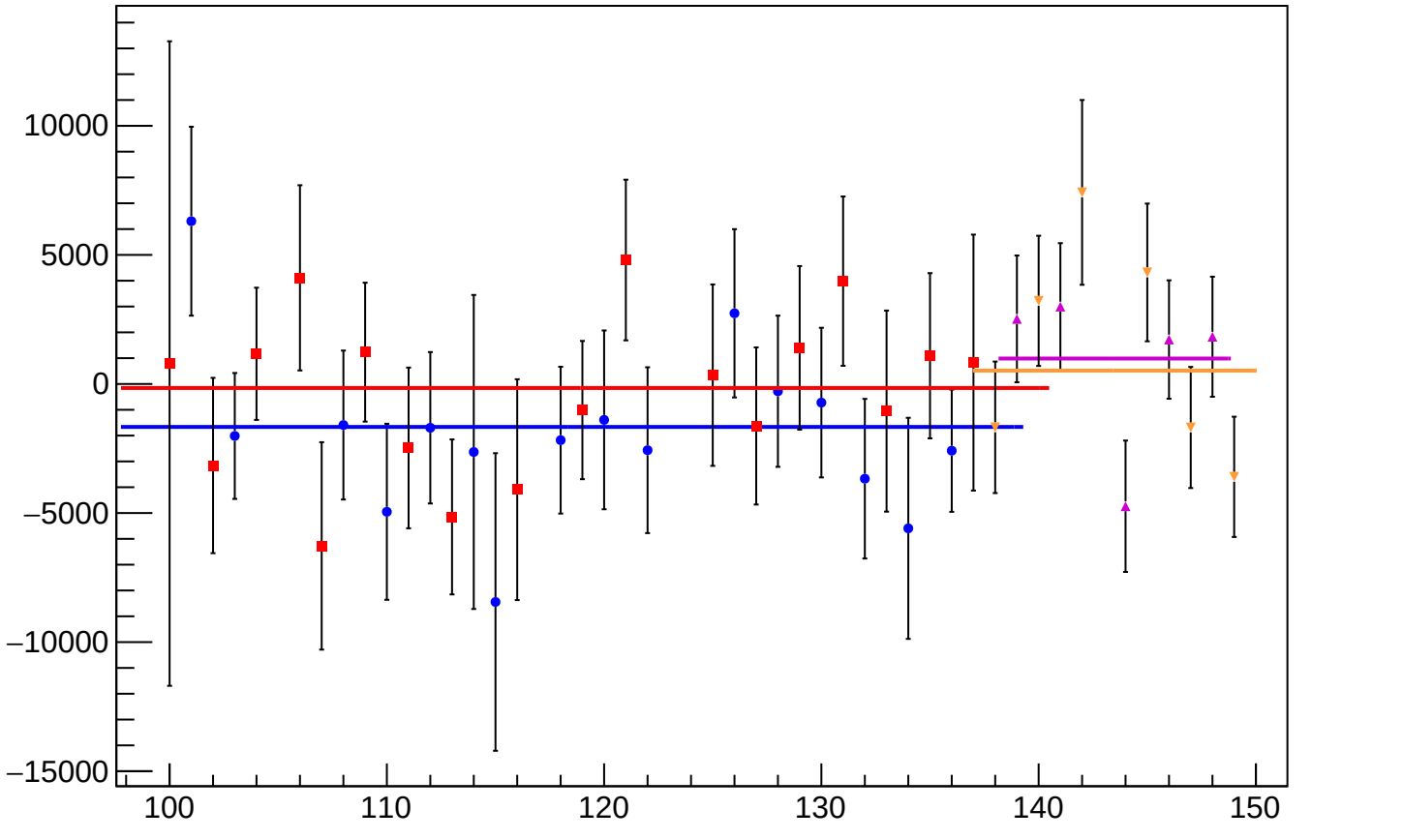
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1326.866+/-0.452 χ^2/NDF:82308.5/4

+ sign 1601.856+/-0.353 χ^2/NDF: 2776501.4/21

All: 1611.695+/-0.252 χ^2/NDF: 5483088.9/44

- 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: 518.931+/-1056.482 χ^2/NDF:11.6/5

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

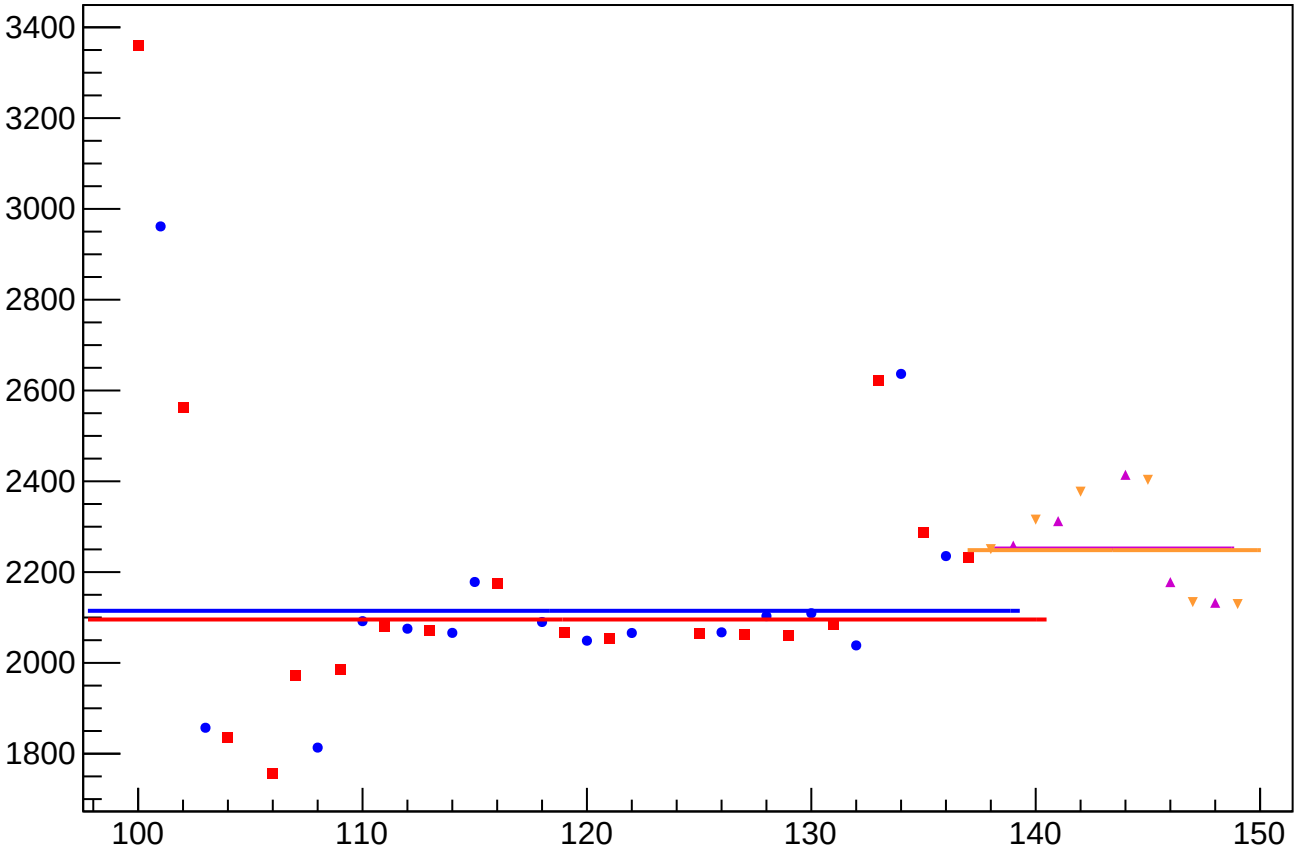
Left In: 985.531+/-1077.721 χ^2/NDF:6.4/4

+ sign -878.543+/-633.788 χ^2/NDF: 25.2/21

All: -320.060+/-448.504 χ^2/NDF: 48.0/44

- 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: 2248.368+/-0.747 χ^2/NDF:20712.7/5

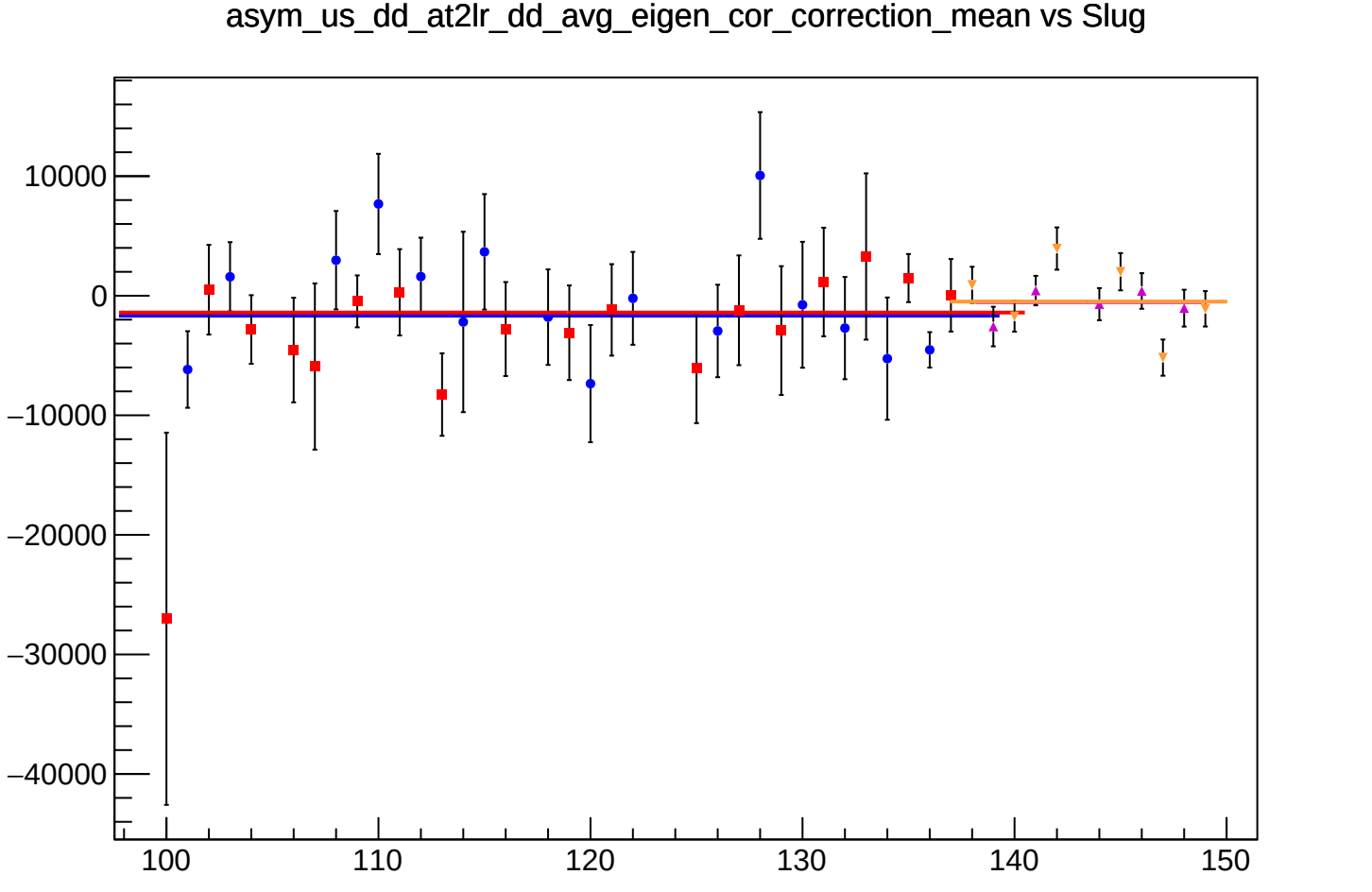
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2251.937+/-0.762 χ^2/NDF:16722.8/4

+ sign 2162.840+/-0.448 χ^2/NDF: 231110.4/21

All: 2156.347+/-0.317 χ^2/NDF: 425101.2/44

- 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: -491.107+/-612.326 χ^2/NDF:20.4/5

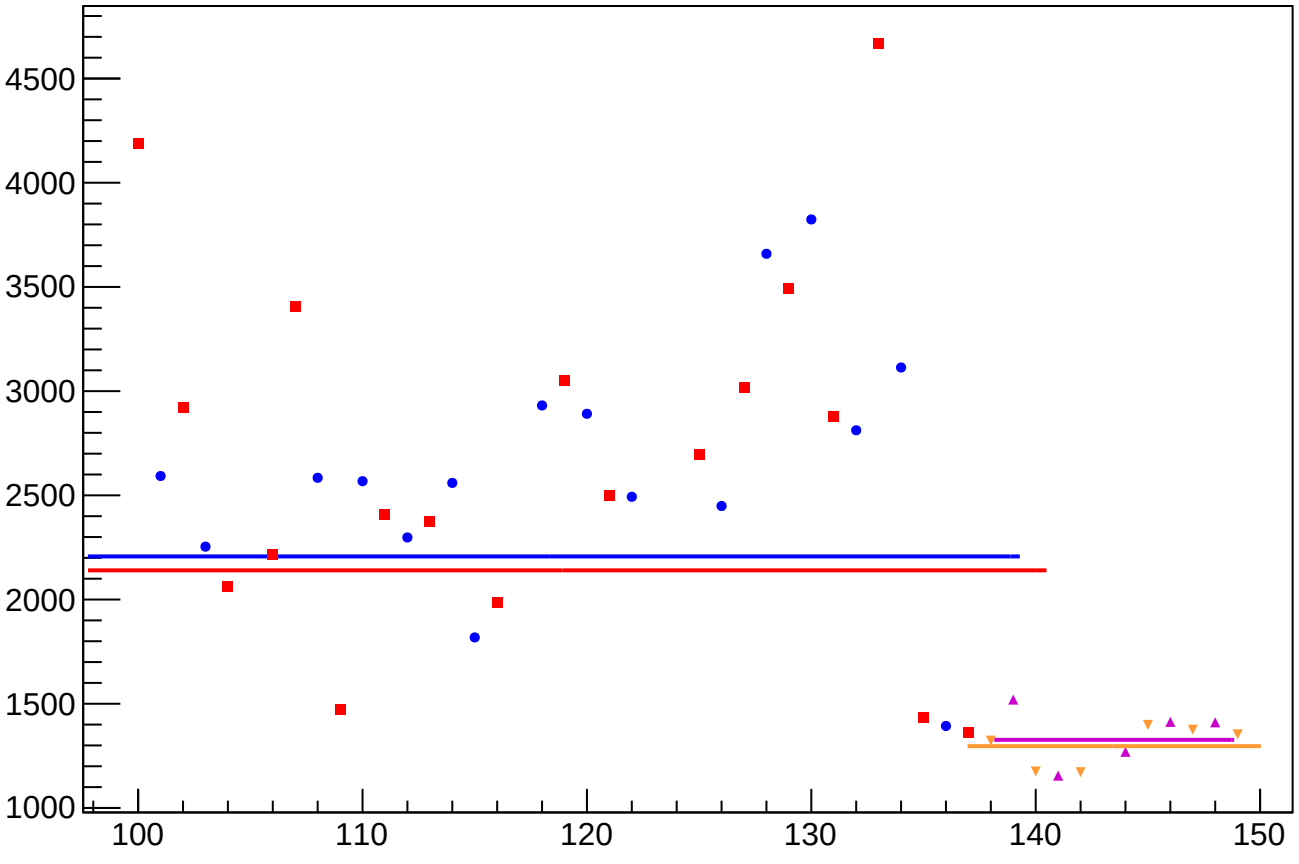
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -533.119+/-639.306 χ^2/NDF:2.7/4

+ sign -885.891+/-499.221 χ^2/NDF: 44.1/21

All: -868.635+/-356.850 χ^2/NDF: 60.4/44

- 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: 1296.628+/-0.433 χ^2/NDF:45409.6/5

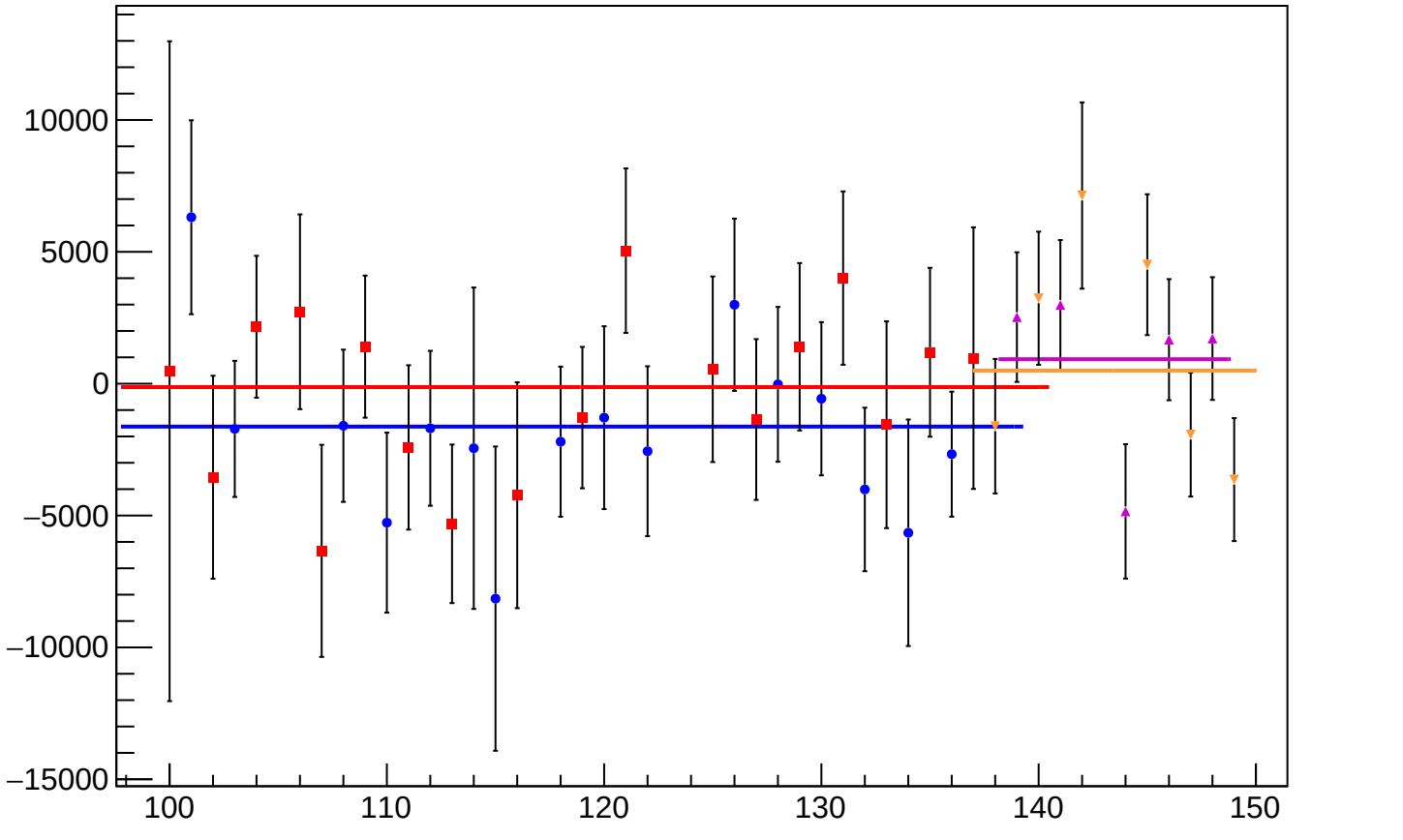
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1326.866+/-0.452 χ^2/NDF:82308.5/4

+ sign 1601.856+/-0.353 χ^2/NDF: 2776501.4/21

All: 1611.695+/-0.252 χ^2/NDF: 5483088.9/44

- 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: 497.047+/-1056.167 χ^2/NDF:11.9/5

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

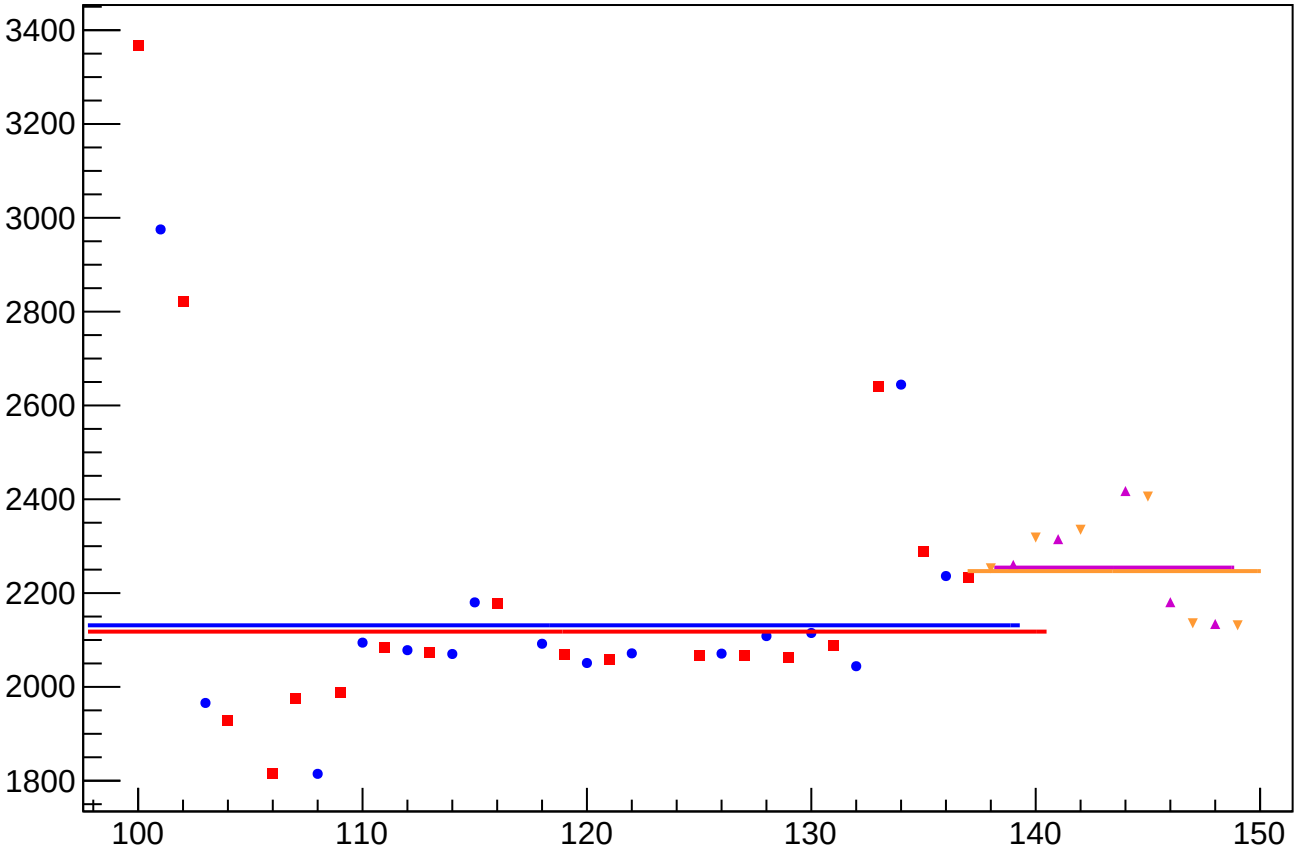
Left In: 929.020+/-1078.875 χ^2/NDF:6.5/4

\+ sign -855.541+/-636.679 χ^2/NDF: 25.8/21

All: -308.814+/-451.537 χ^2/NDF: 48.9/44

\- 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: 2246.869+/-0.747 χ^2/NDF:19349.4/5

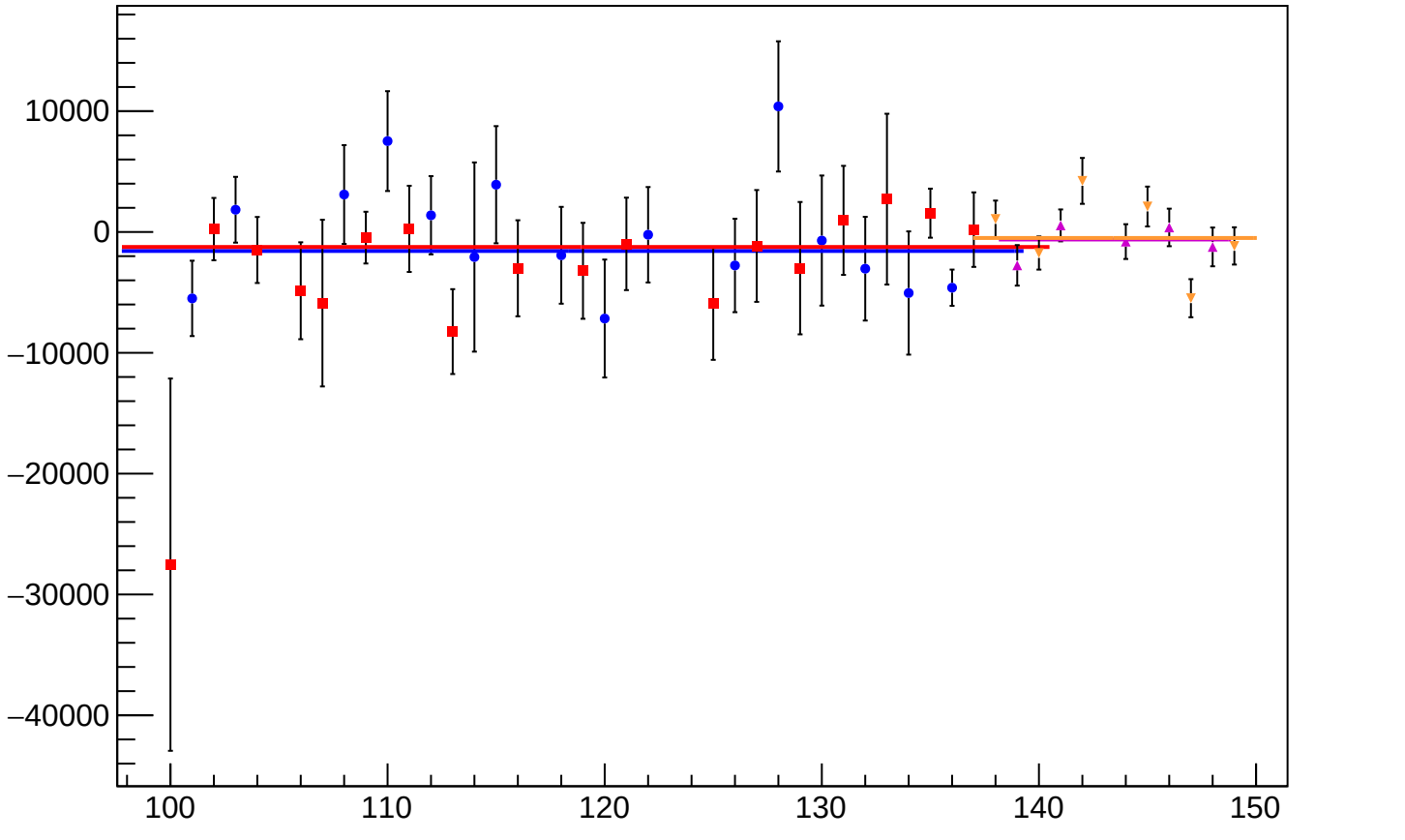
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2254.321+/-0.763 χ^2/NDF:16834.4/4

\+ sign 2173.296+/-0.450 χ^2/NDF: 210538.0/21

All: 2169.648+/-0.319 χ^2/NDF: 411845.3/44

\- 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: -495.435+/-641.696 χ^2/NDF:20.7/5

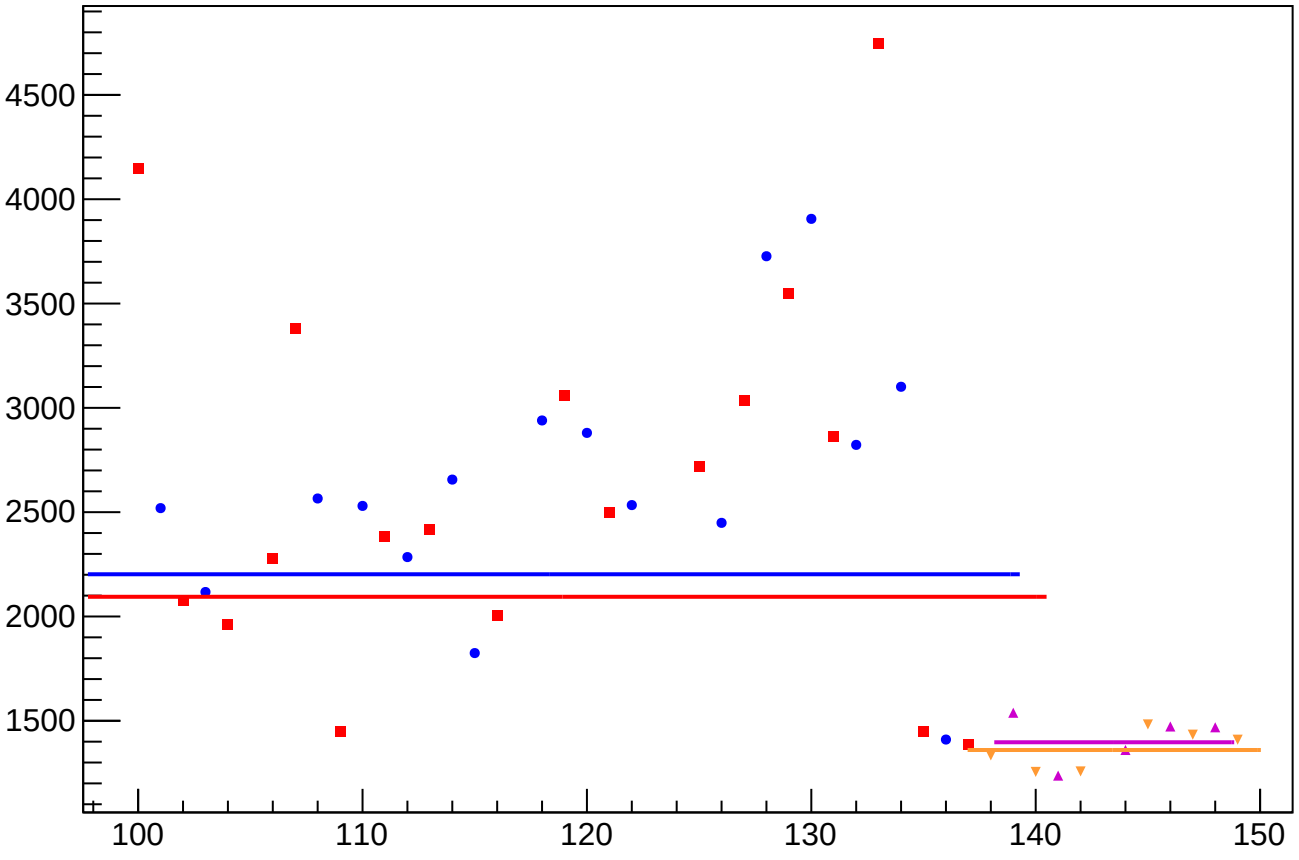
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -620.795+/-671.993 χ^2/NDF:3.0/4

\+ sign -880.264+/-514.251 χ^2/NDF: 44.3/21

All: -875.214+/-365.542 χ^2/NDF: 60.7/44

\- sign -870.057+/-519.700 χ^2/NDF: 16.4/22



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1360.024+/-0.454 χ^2/NDF:35580.7/5

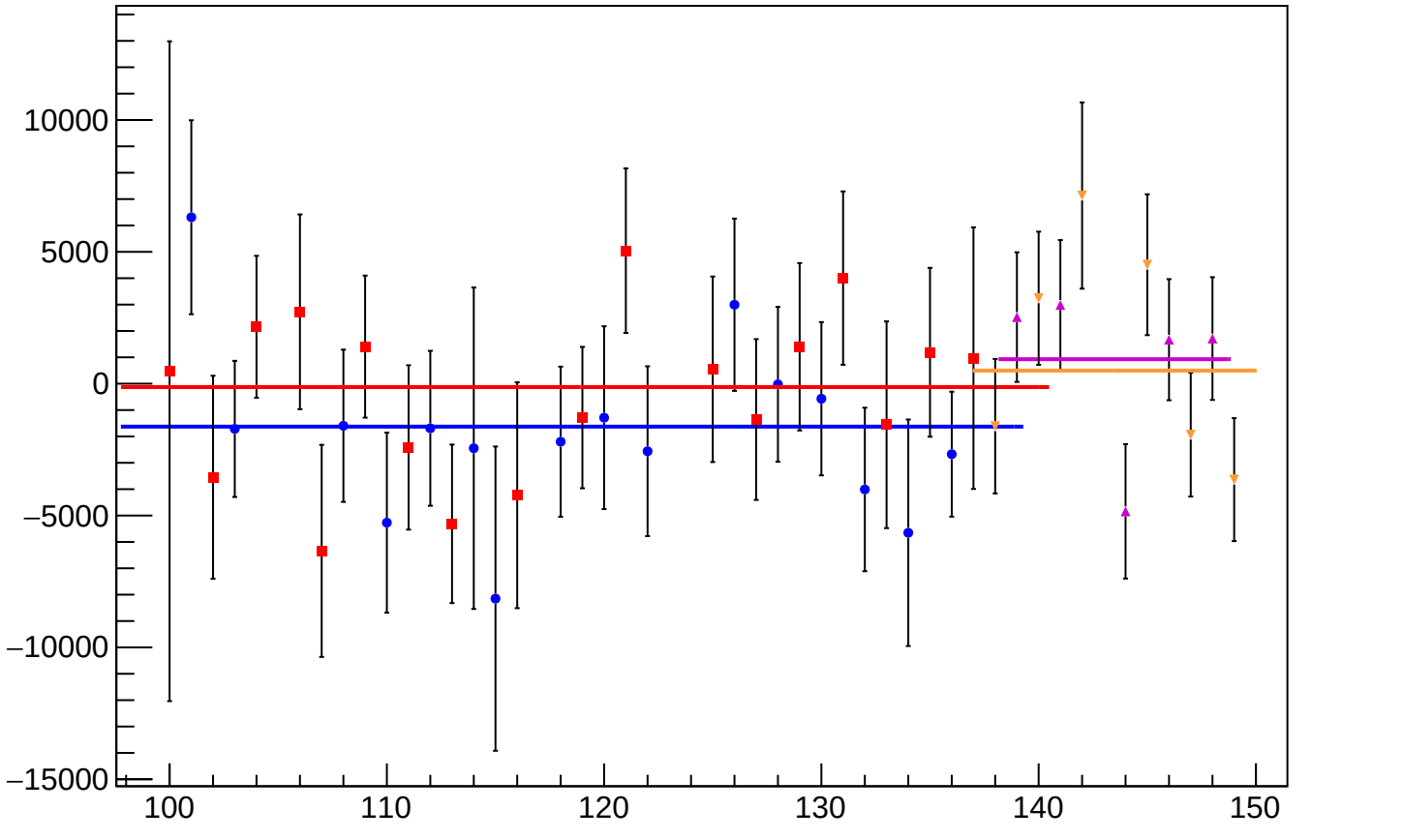
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1397.140+/-0.475 χ^2/NDF:53608.5/4

+ sign 1661.392+/-0.364 χ^2/NDF: 2491545.4/21

All: 1669.305+/-0.258 χ^2/NDF: 4785275.6/44

- 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: 497.050+/-1056.167 χ^2/NDF:11.9/5

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

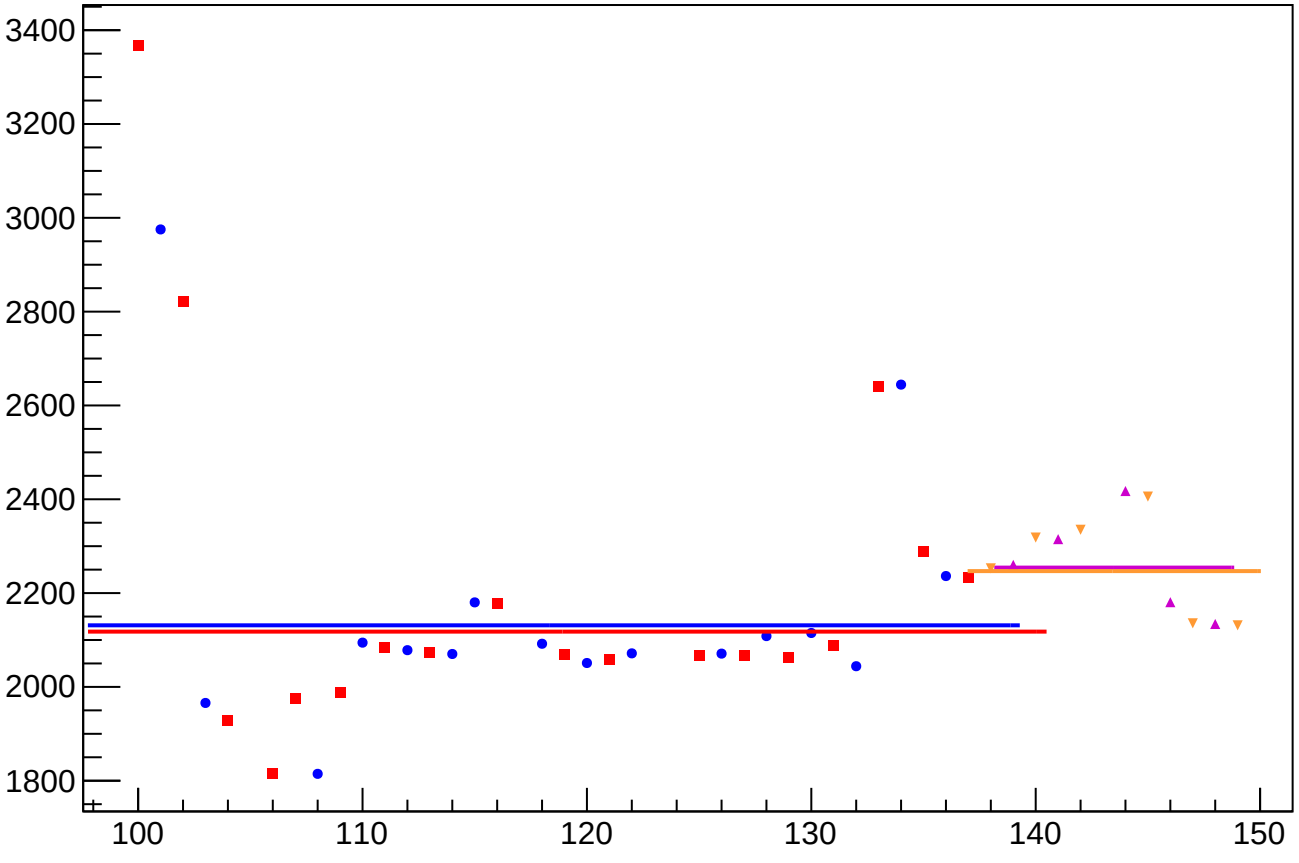
Left In: 929.011+/-1078.875 χ^2/NDF:6.5/4

\+ sign -855.541+/-636.679 χ^2/NDF: 25.8/21

All: -308.814+/-451.537 χ^2/NDF: 48.9/44

\- 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: 2246.870+/-0.747 χ^2/NDF:19349.4/5

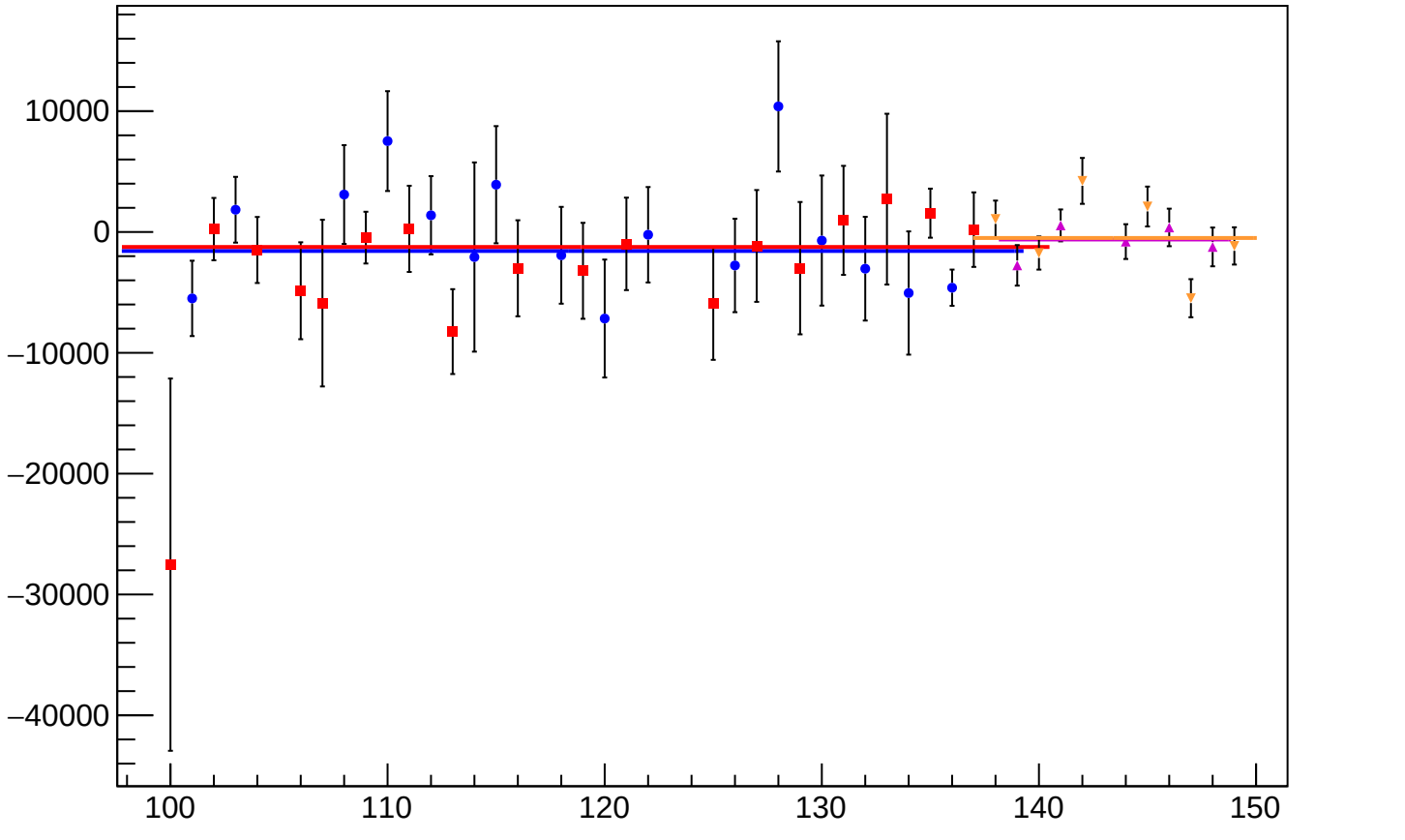
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2254.321+/-0.763 χ^2/NDF:16834.5/4

+ sign 2173.296+/-0.450 χ^2/NDF: 210538.1/21

All: 2169.648+/-0.319 χ^2/NDF: 411845.3/44

- 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: -495.444+/-641.699 χ^2/NDF:20.7/5

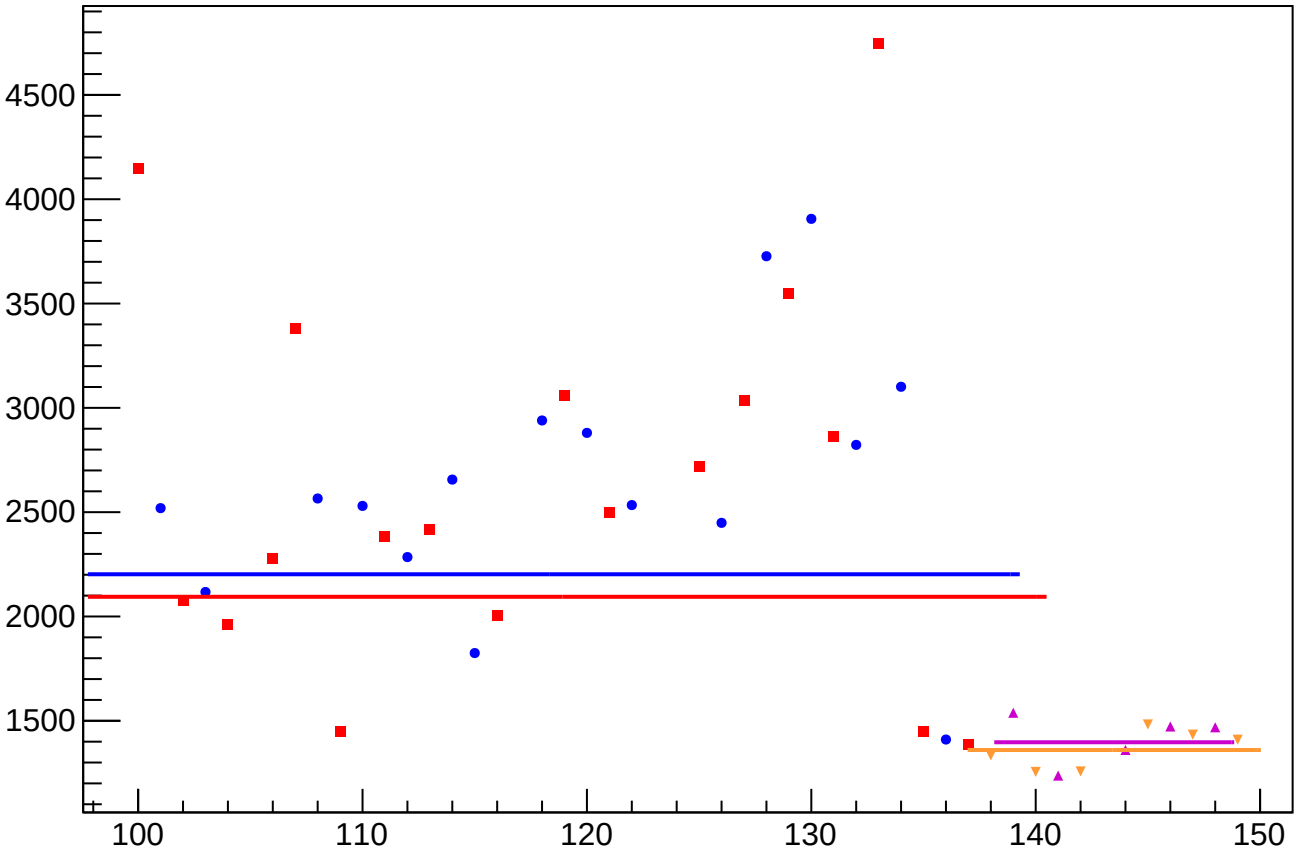
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -620.790+/-671.994 χ^2/NDF:3.0/4

\+ sign -880.266+/-514.253 χ^2/NDF: 44.3/21

All: -875.216+/-365.543 χ^2/NDF: 60.7/44

\- 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: 1360.030+/-0.454 χ^2/NDF:35577.5/5

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

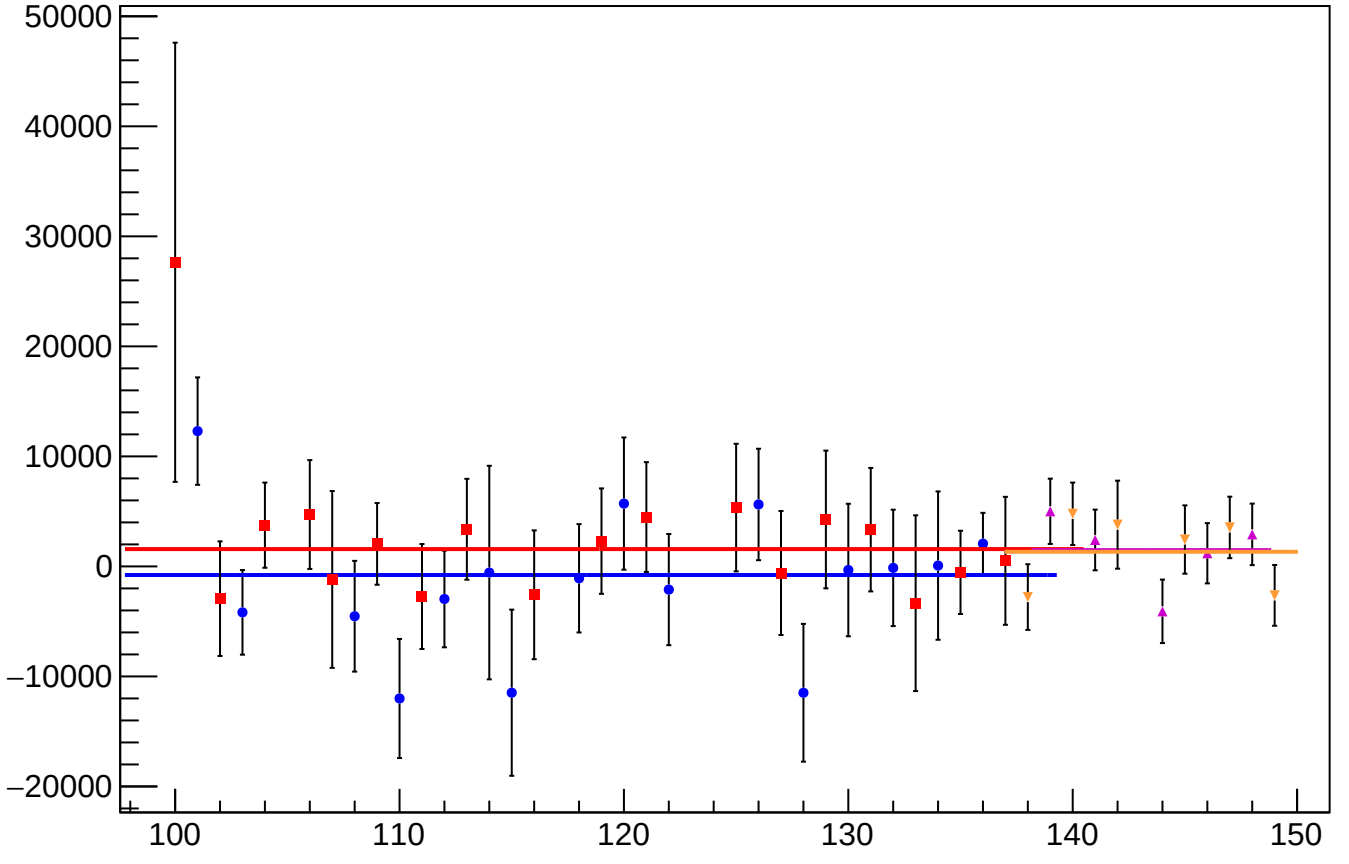
Left In: 1397.142+/-0.475 χ^2/NDF:53610.0/4

+ sign 1661.401+/-0.364 χ^2/NDF: 2491491.7/21

All: 1669.311+/-0.258 χ^2/NDF: 4785198.4/44

- 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: 1330.360+/-1229.326 χ^2/NDF:6.6/5

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

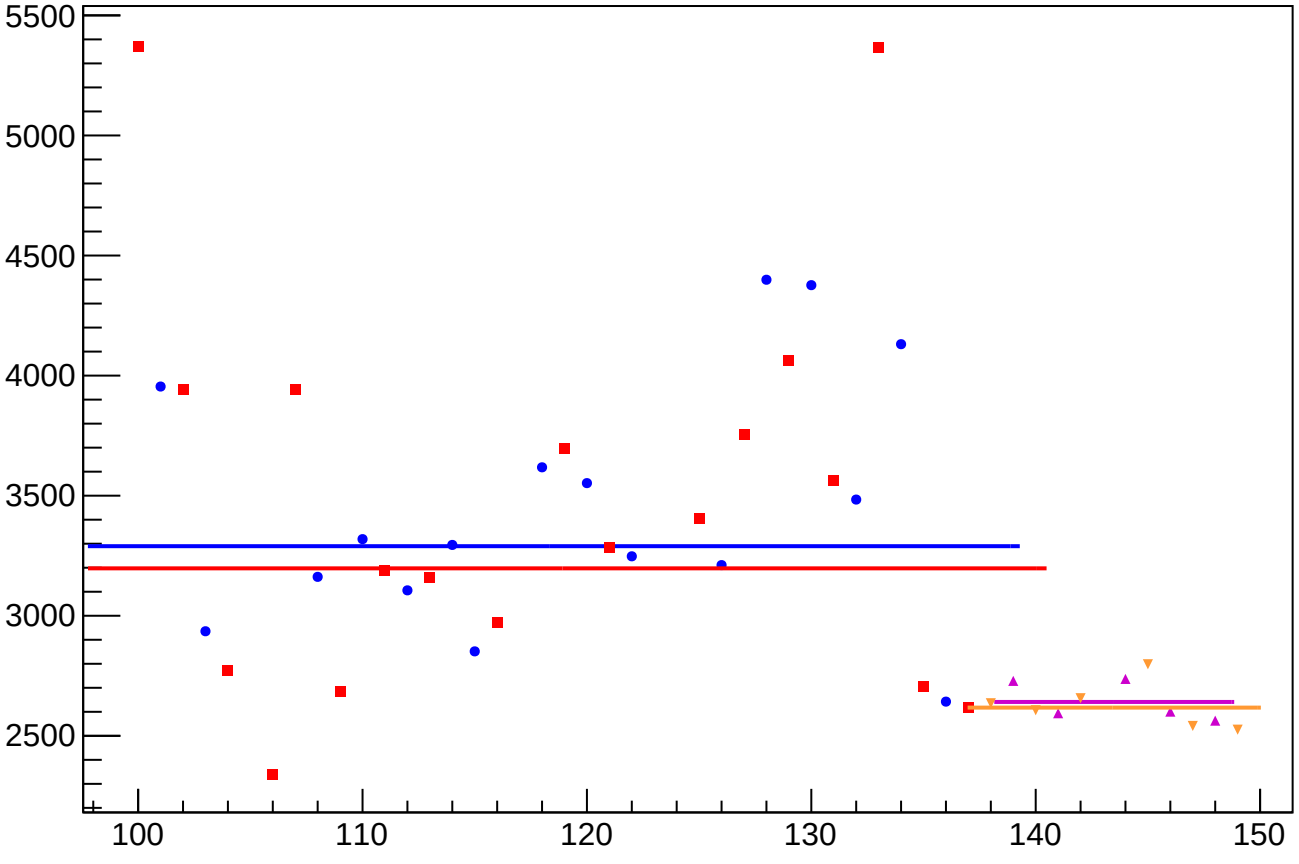
Left In: 1479.016+/-1263.464 χ^2/NDF:5.5/4

+ sign 284.956+/-873.611 χ^2/NDF: 29.9/21

All: 904.175+/-619.018 χ^2/NDF: 43.2/44

- 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: 2617.501+/-0.869 χ^2/NDF:10759.9/5

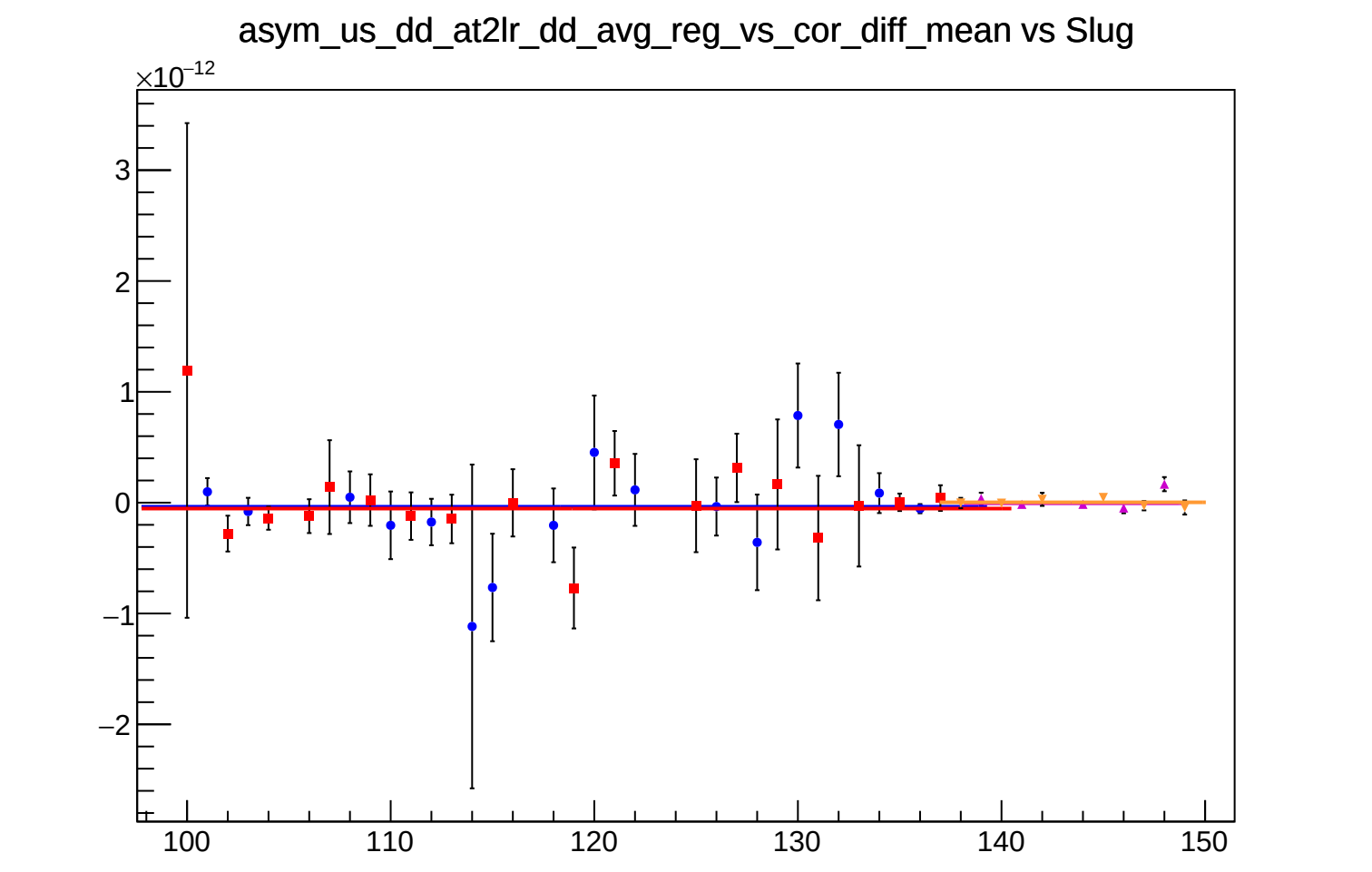
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

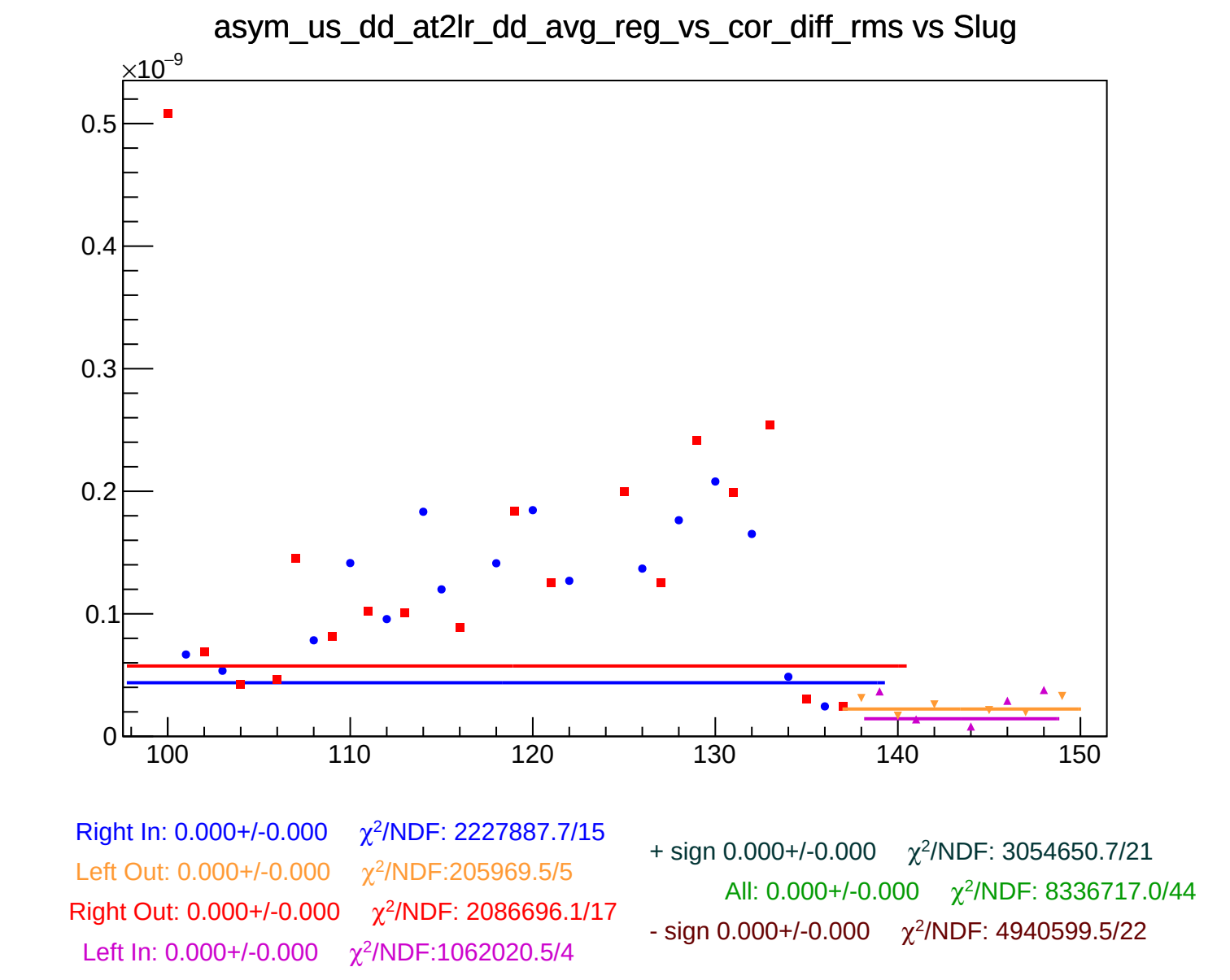
Left In: 2641.056+/-0.893 χ^2/NDF:6525.2/4

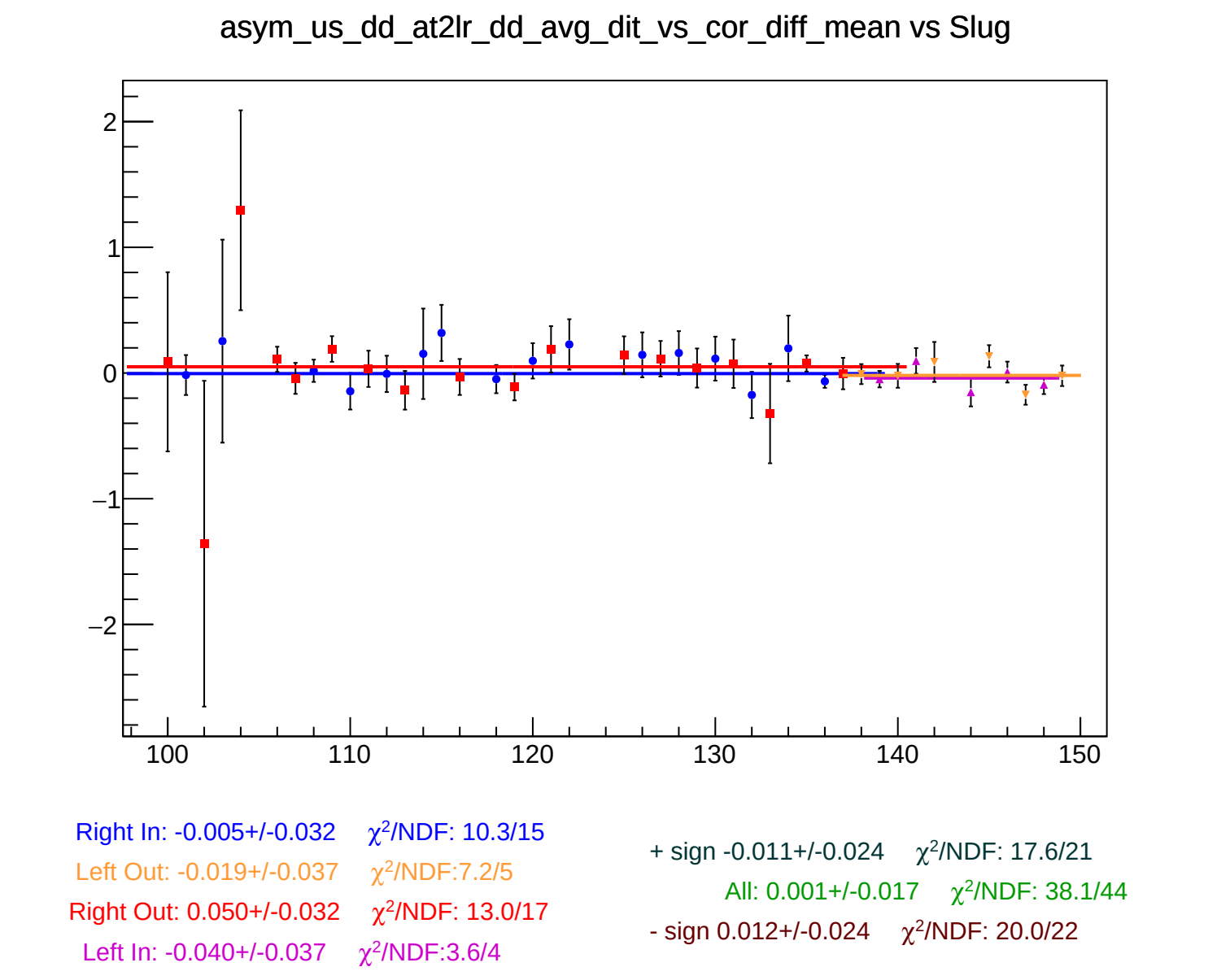
+ sign 2950.227+/-0.618 χ^2/NDF: 654341.0/21

All: 2939.752+/-0.438 χ^2/NDF: 1362204.5/44

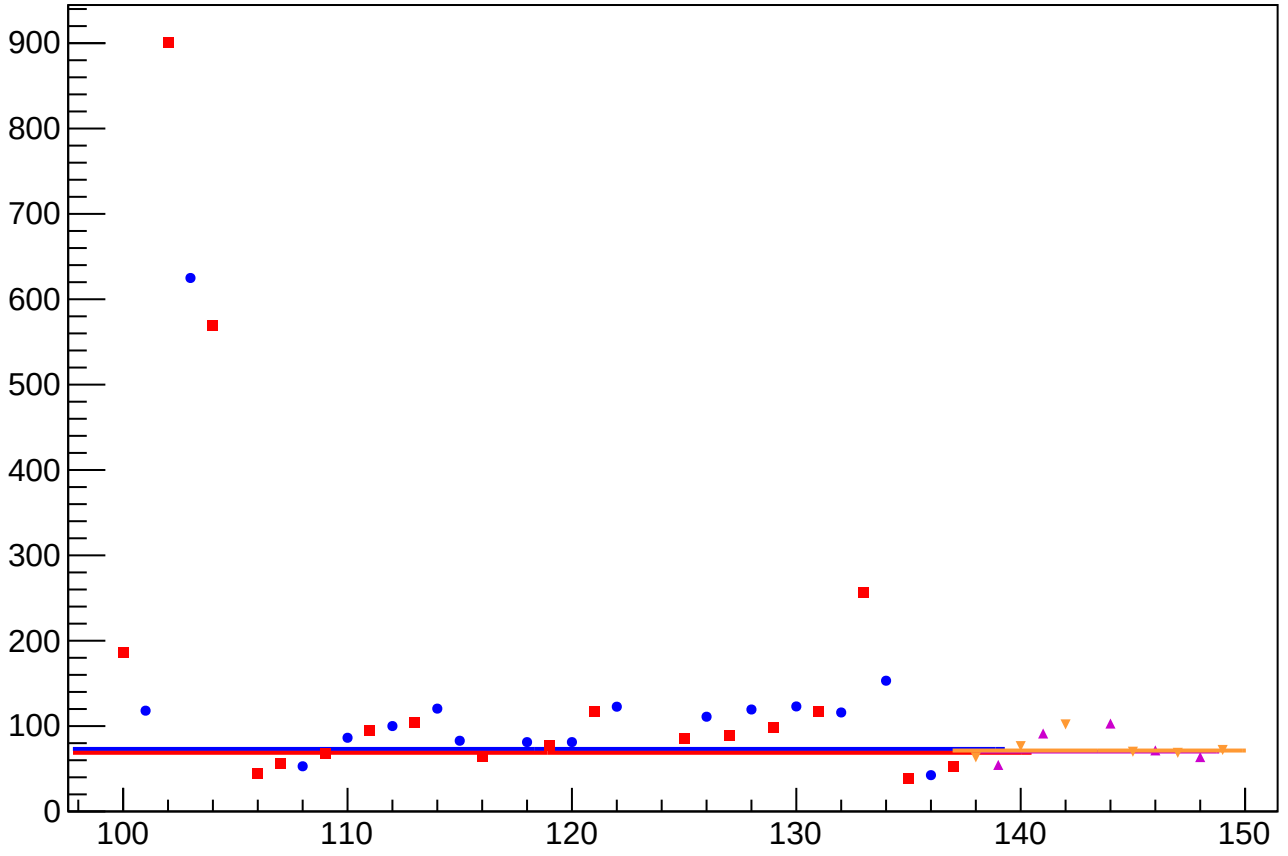
- sign 2929.190+/-0.620 χ^2/NDF: 707286.1/22


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2.8/5
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: 17.0/21
All: -0.000+/-0.000 χ²/NDF: 39.9/44
- 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
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2227887.7/15
Left Out: 0.000+/-0.000 χ²/NDF:205969.5/5
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: 3054650.7/21
All: 0.000+/-0.000 χ²/NDF: 8336717.0/44
- sign 0.000+/-0.000 χ²/NDF: 4940599.5/22


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.019+/-0.037 χ²/NDF:7.2/5
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.040+/-0.037 χ²/NDF:3.6/4
+ sign -0.011+/-0.024 χ²/NDF: 17.6/21
All: 0.001+/-0.017 χ²/NDF: 38.1/44
- 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: 71.361+/-0.026 χ^2/NDF:102947.6/5

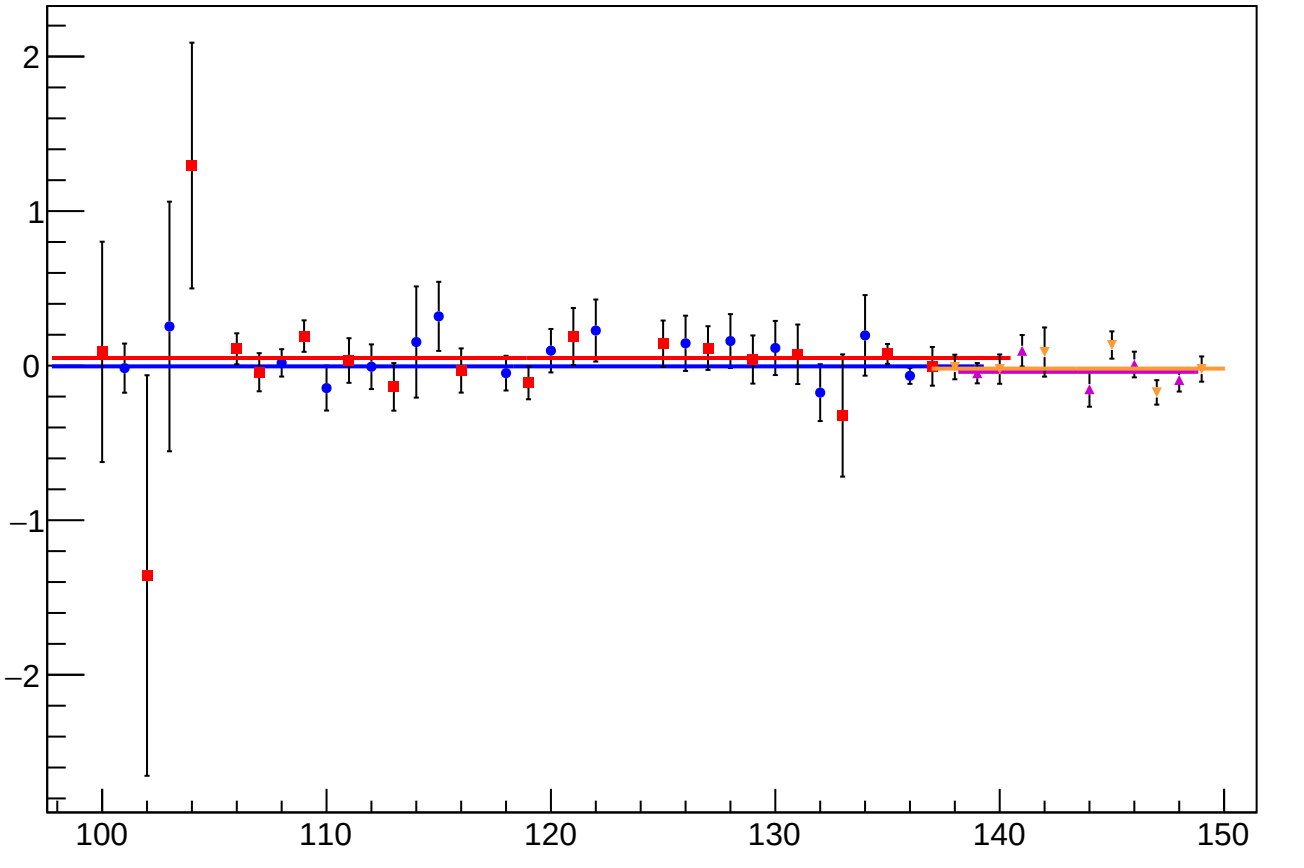
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 70.188+/-0.026 χ^2/NDF:382388.7/4

+ sign 72.416+/-0.017 χ^2/NDF: 2960499.8/21

All: 70.872+/-0.012 χ^2/NDF: 6692675.8/44

- sign 69.342+/-0.017 χ^2/NDF: 3715936.0/22



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.019+/-0.037 χ^2/NDF:7.2/5

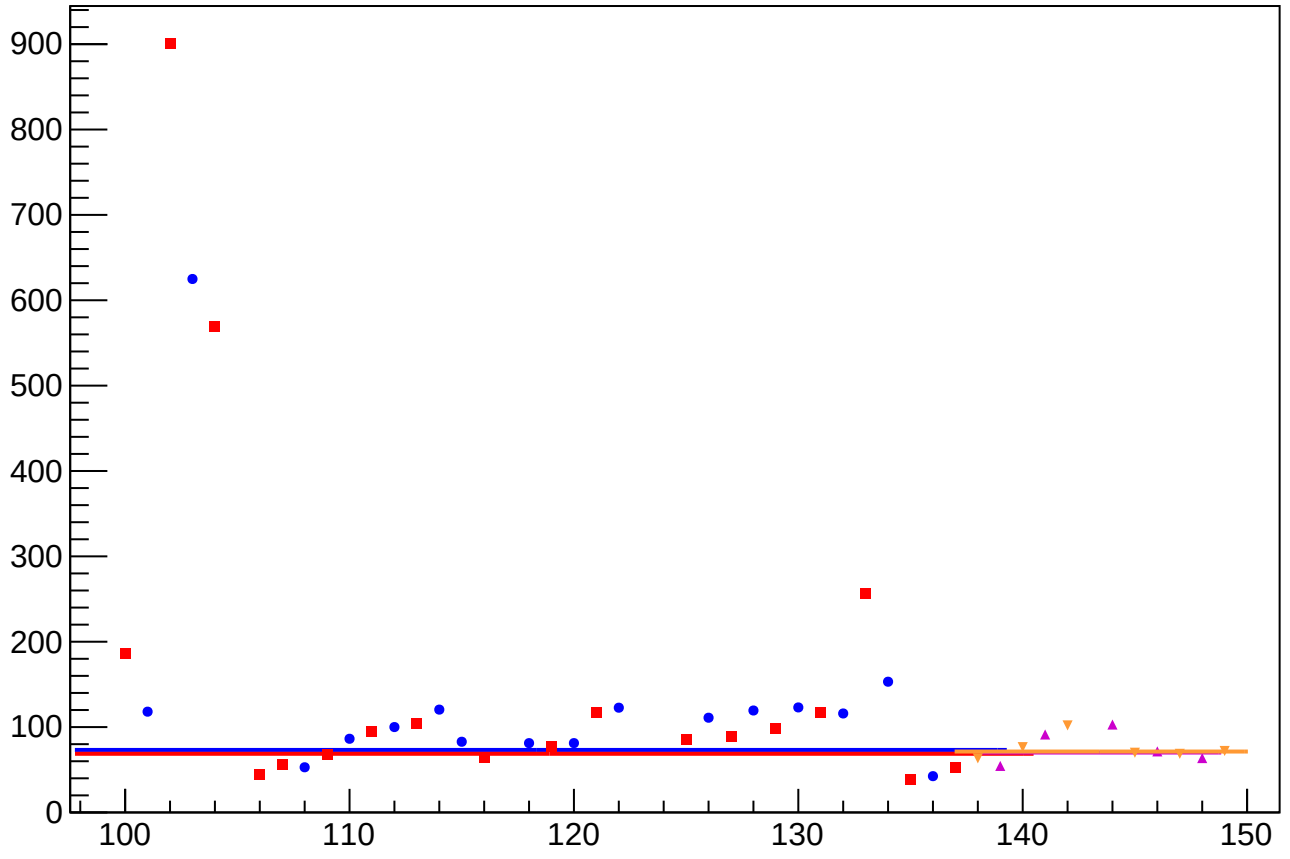
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.040+/-0.037 χ^2/NDF:3.6/4

+ sign -0.011+/-0.024 χ^2/NDF: 17.6/21

All: 0.001+/-0.017 χ^2/NDF: 38.1/44

- sign 0.012+/-0.024 χ^2/NDF: 20.0/22



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 71.361+/-0.026 χ^2/NDF:102947.6/5

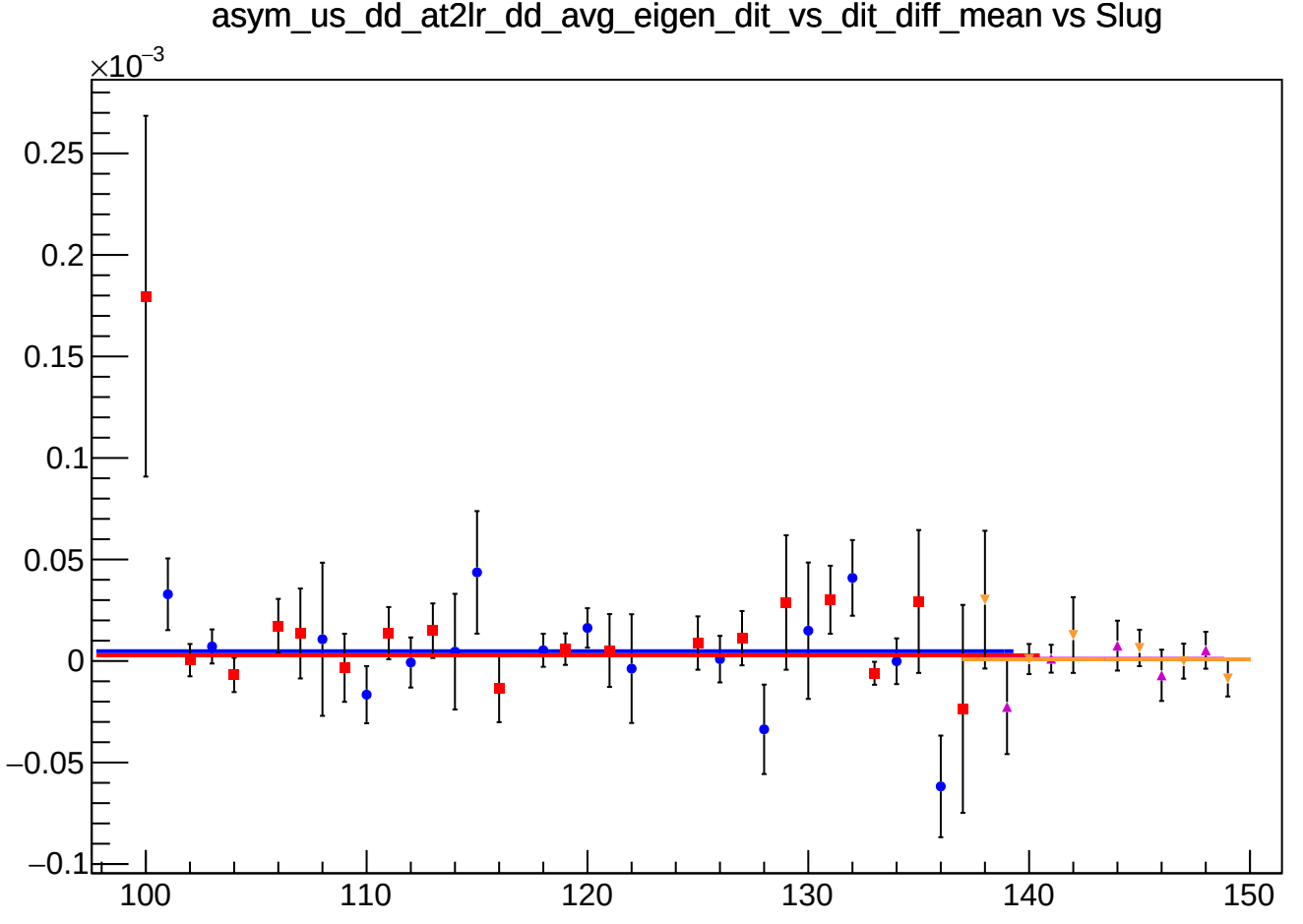
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 70.188+/-0.026 χ^2/NDF:382388.7/4

+ sign 72.416+/-0.017 χ^2/NDF: 2960499.8/21

All: 70.872+/-0.012 χ^2/NDF: 6692675.8/44

- 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:2.7/5

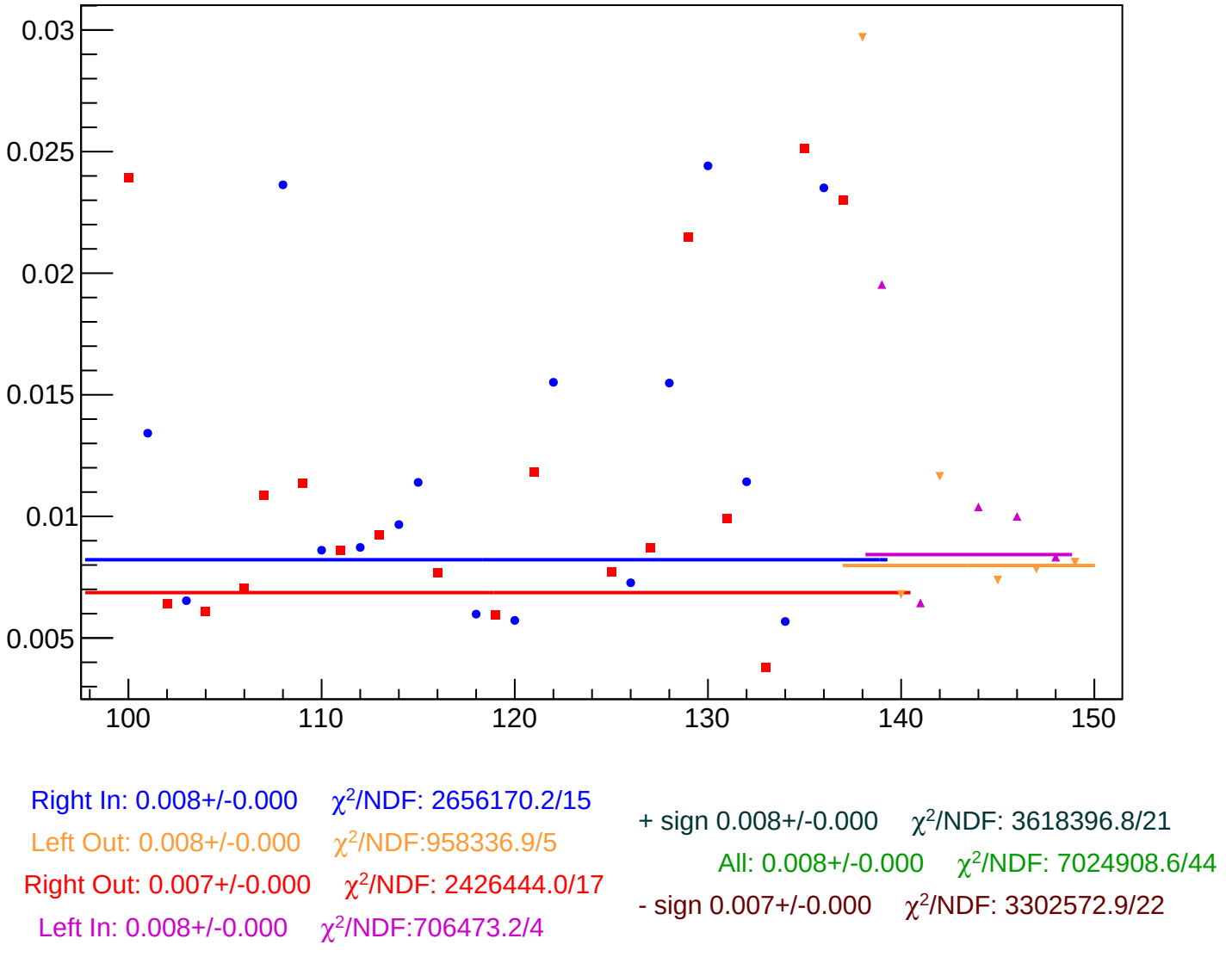
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

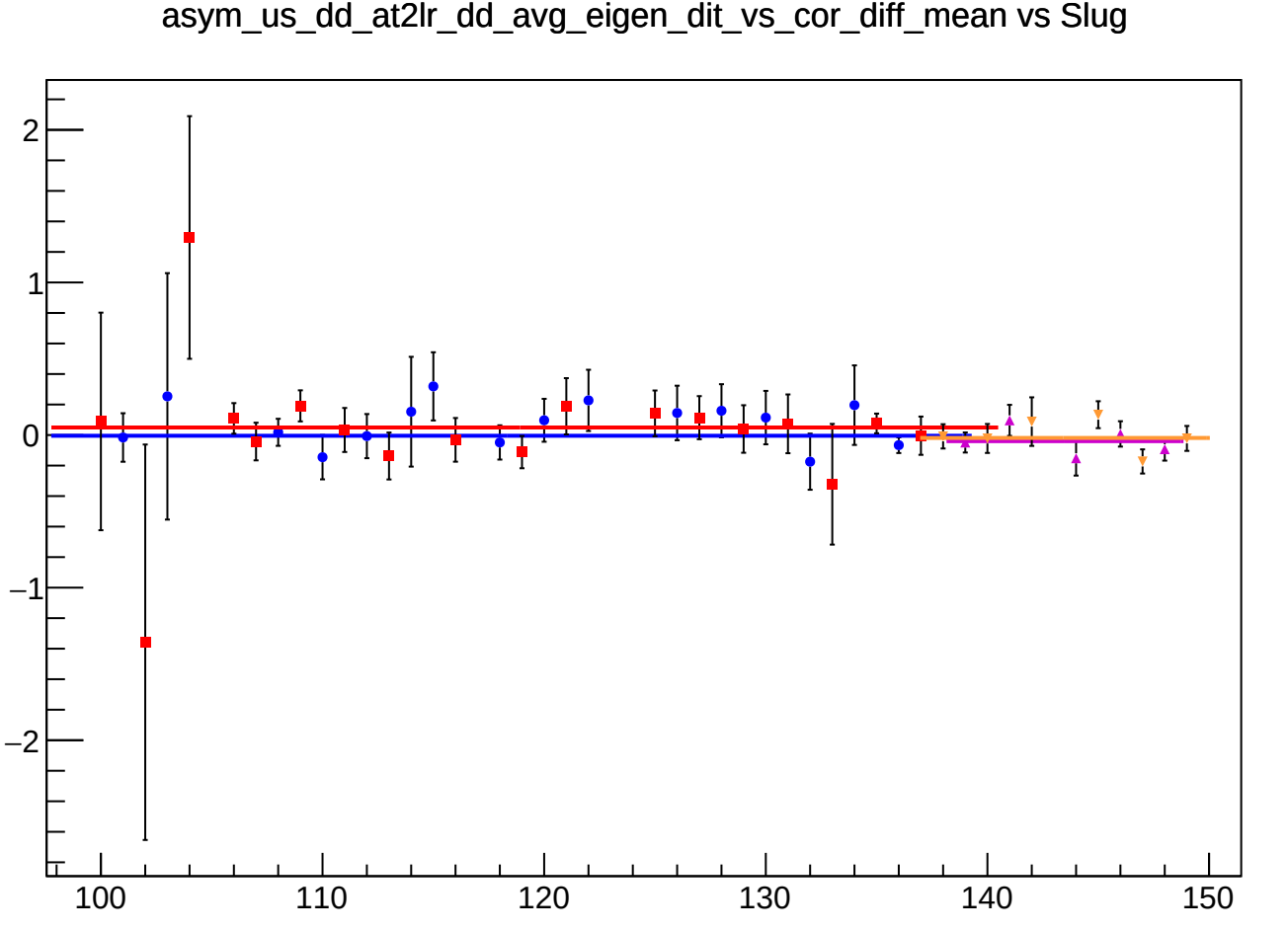
Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 25.8/21

All: 0.000+/-0.000 χ^2/NDF: 44.7/44

- sign 0.000+/-0.000 χ^2/NDF: 18.8/22


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
Right In: 0.008+/-0.000 χ²/NDF: 2656170.2/15
Left Out: 0.008+/-0.000 χ²/NDF:958336.9/5
Right Out: 0.007+/-0.000 χ²/NDF: 2426444.0/17
Left In: 0.008+/-0.000 χ²/NDF:706473.2/4
+ sign 0.008+/-0.000 χ²/NDF: 3618396.8/21
All: 0.008+/-0.000 χ²/NDF: 7024908.6/44
- sign 0.007+/-0.000 χ²/NDF: 3302572.9/22



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.019+/-0.037 χ^2/NDF:7.2/5

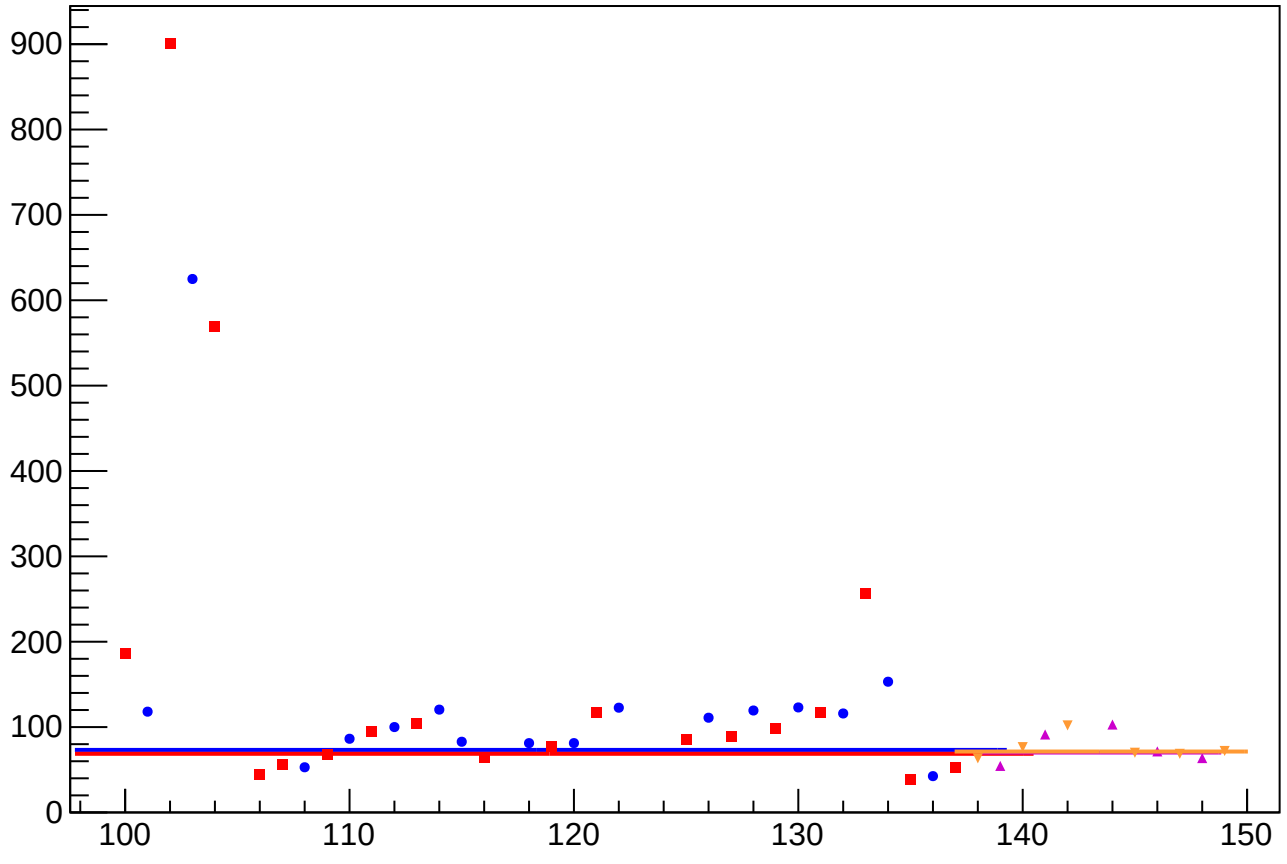
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.040+/-0.037 χ^2/NDF:3.6/4

+ sign -0.011+/-0.024 χ^2/NDF: 17.6/21

All: 0.001+/-0.017 χ^2/NDF: 38.1/44

- sign 0.012+/-0.024 χ^2/NDF: 20.0/22



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 71.362+/-0.026 χ^2/NDF:102949.5/5

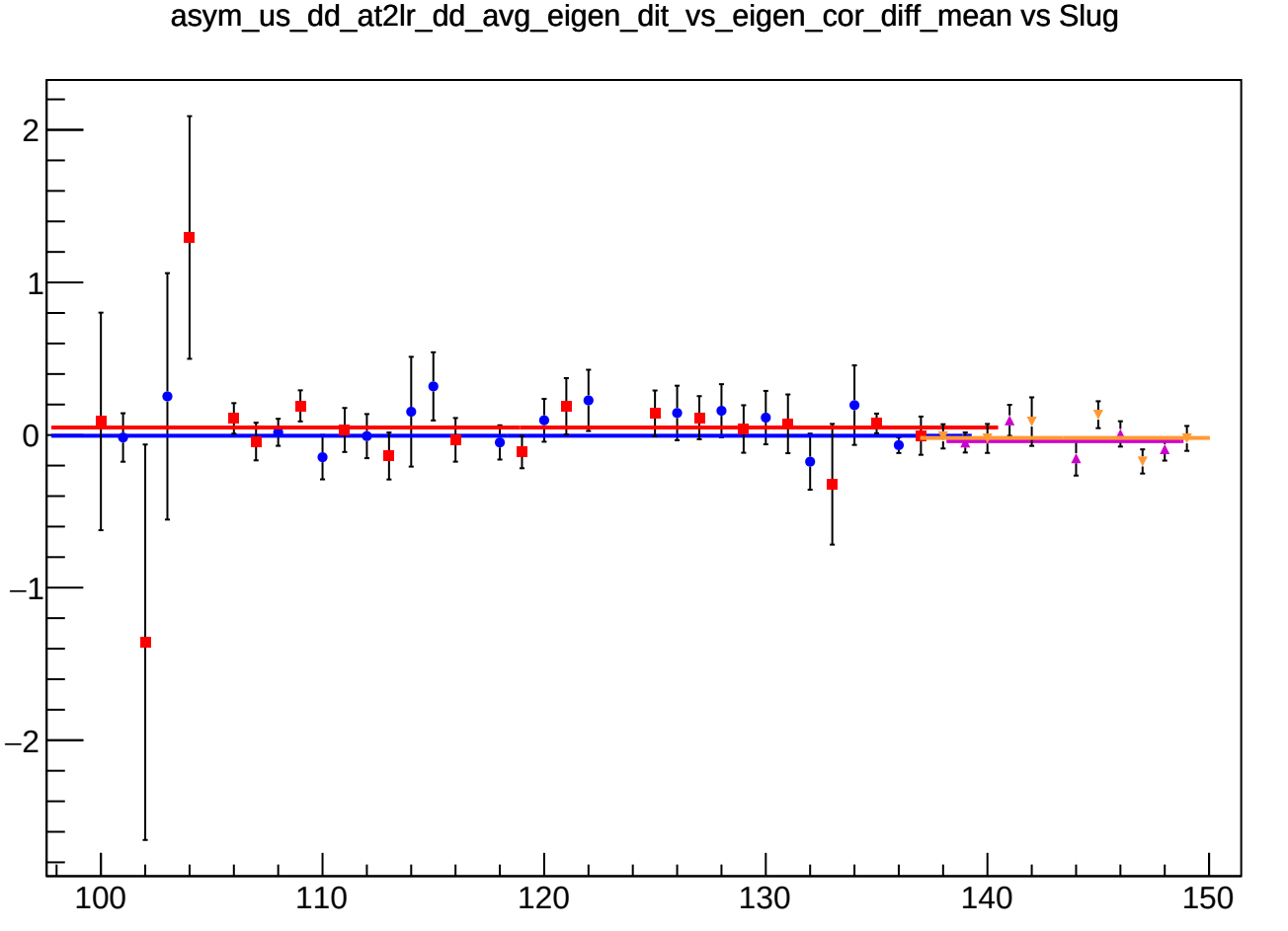
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 70.191+/-0.026 χ^2/NDF:382172.5/4

+ sign 72.431+/-0.017 χ^2/NDF: 2958283.0/21

All: 70.876+/-0.012 χ^2/NDF: 6691484.1/44

- sign 69.337+/-0.017 χ^2/NDF: 3716757.8/22



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.019+/-0.037 χ^2/NDF:7.2/5

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

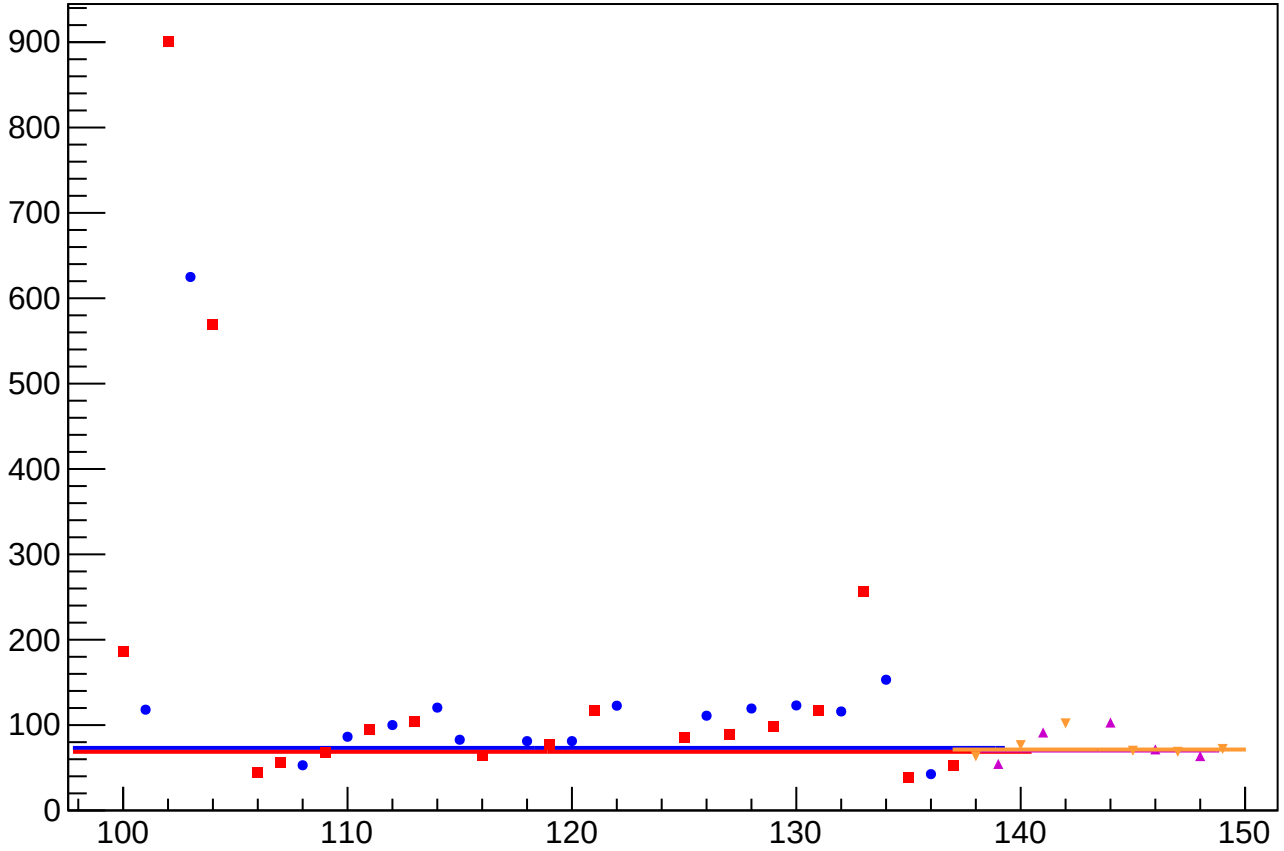
Left In: -0.040+/-0.037 χ^2/NDF:3.6/4

+ sign -0.011+/-0.024 χ^2/NDF: 17.6/21

All: 0.001+/-0.017 χ^2/NDF: 38.1/44

- 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: 71.362+/-0.026 χ^2/NDF:102949.5/5

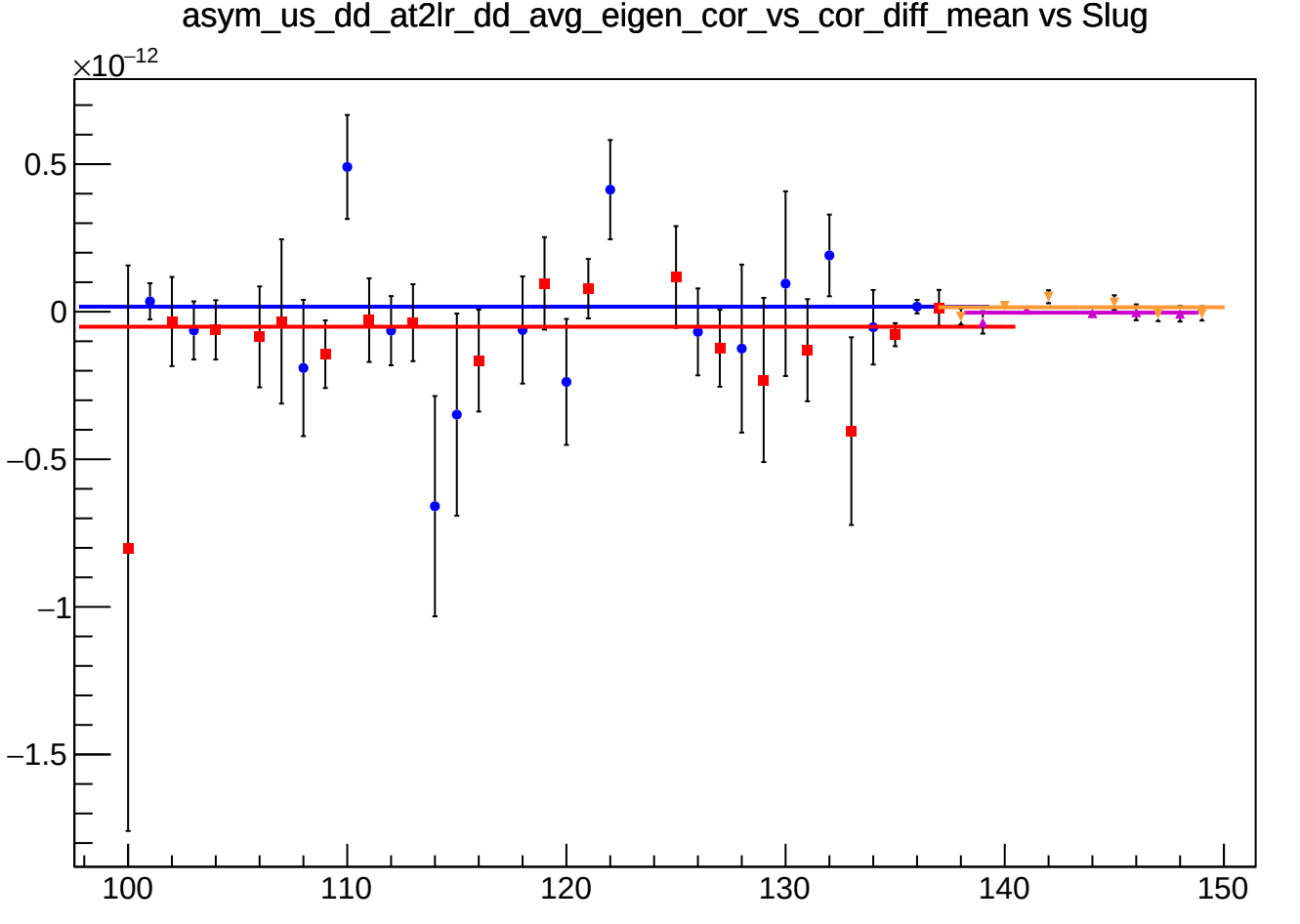
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 70.191+/-0.026 χ^2/NDF:382172.5/4

+ sign 72.431+/-0.017 χ^2/NDF: 2958283.0/21

All: 70.876+/-0.012 χ^2/NDF: 6691484.1/44

- 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:6.1/5

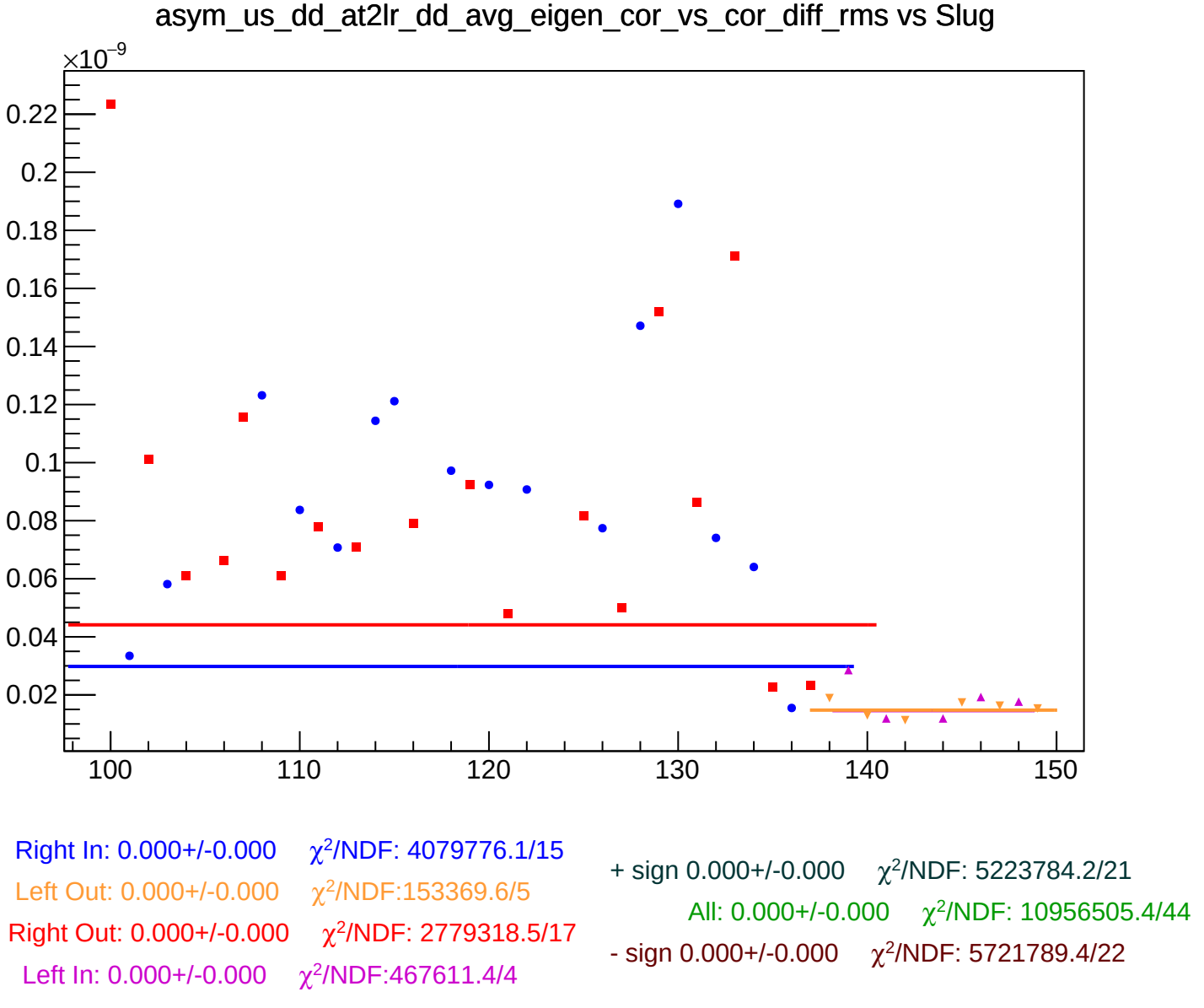
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:1.1/4

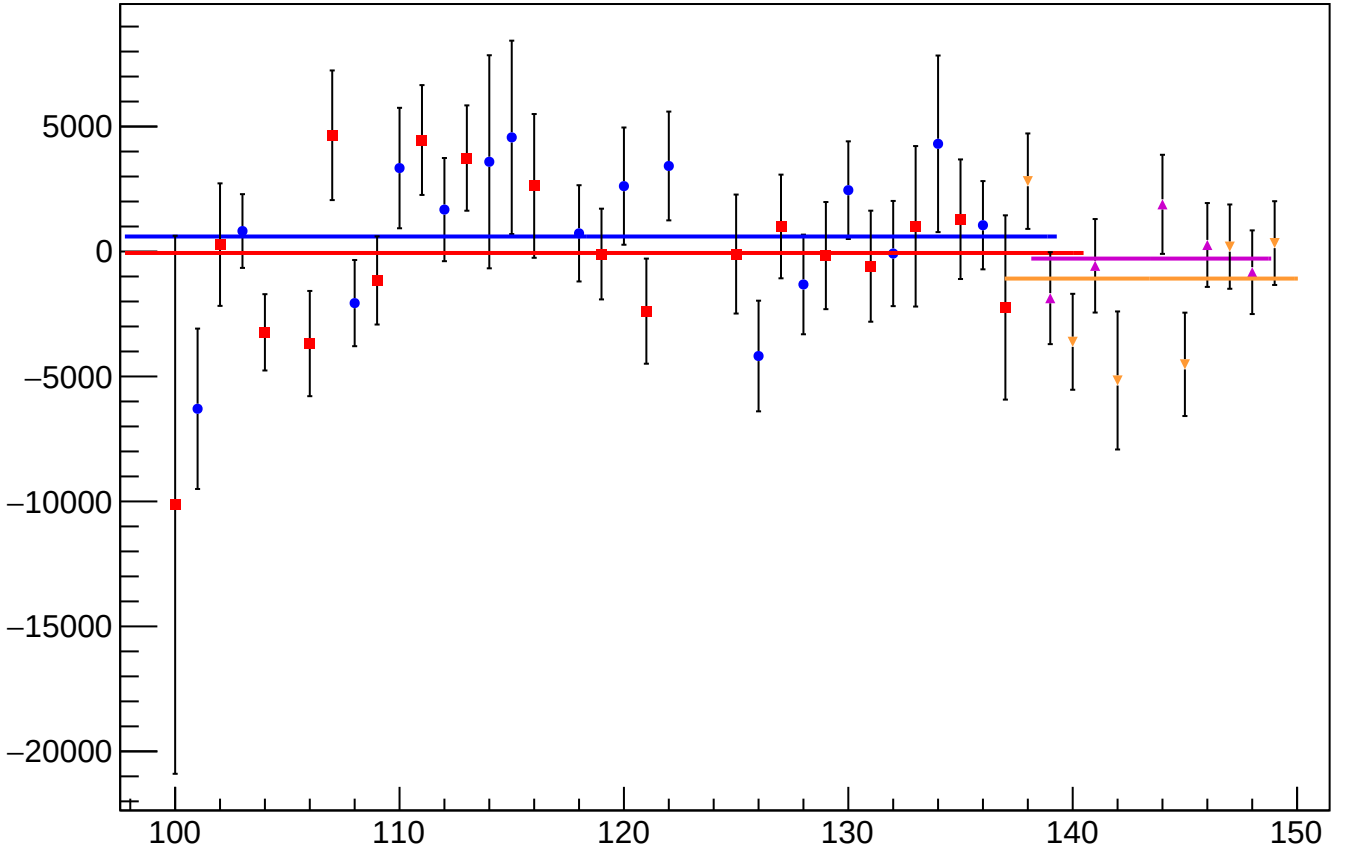
+ sign 0.000+/-0.000 χ^2/NDF: 29.5/21

All: 0.000+/-0.000 χ^2/NDF: 47.1/44

- 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:153369.6/5
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: 5223784.2/21
All: 0.000+/-0.000 χ²/NDF: 10956505.4/44
- 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: -1083.211+/-786.099 χ^2/NDF:12.1/5

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

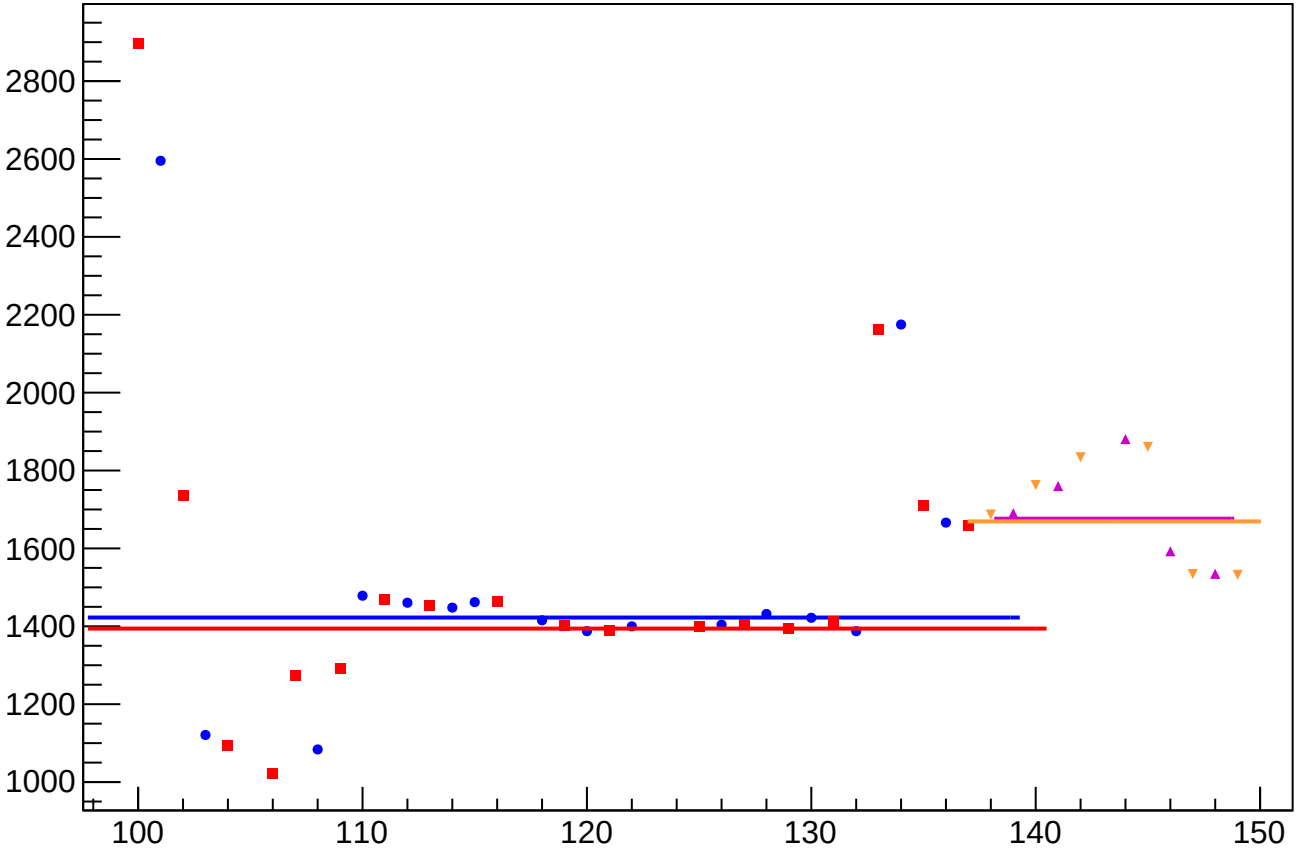
Left In: -283.498+/-803.644 χ^2/NDF:2.2/4

+ sign 60.394+/-445.129 χ^2/NDF: 35.6/21

All: -33.918+/-313.844 χ^2/NDF: 60.4/44

- 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: 1669.362+/-0.556 χ^2/NDF:55404.6/5

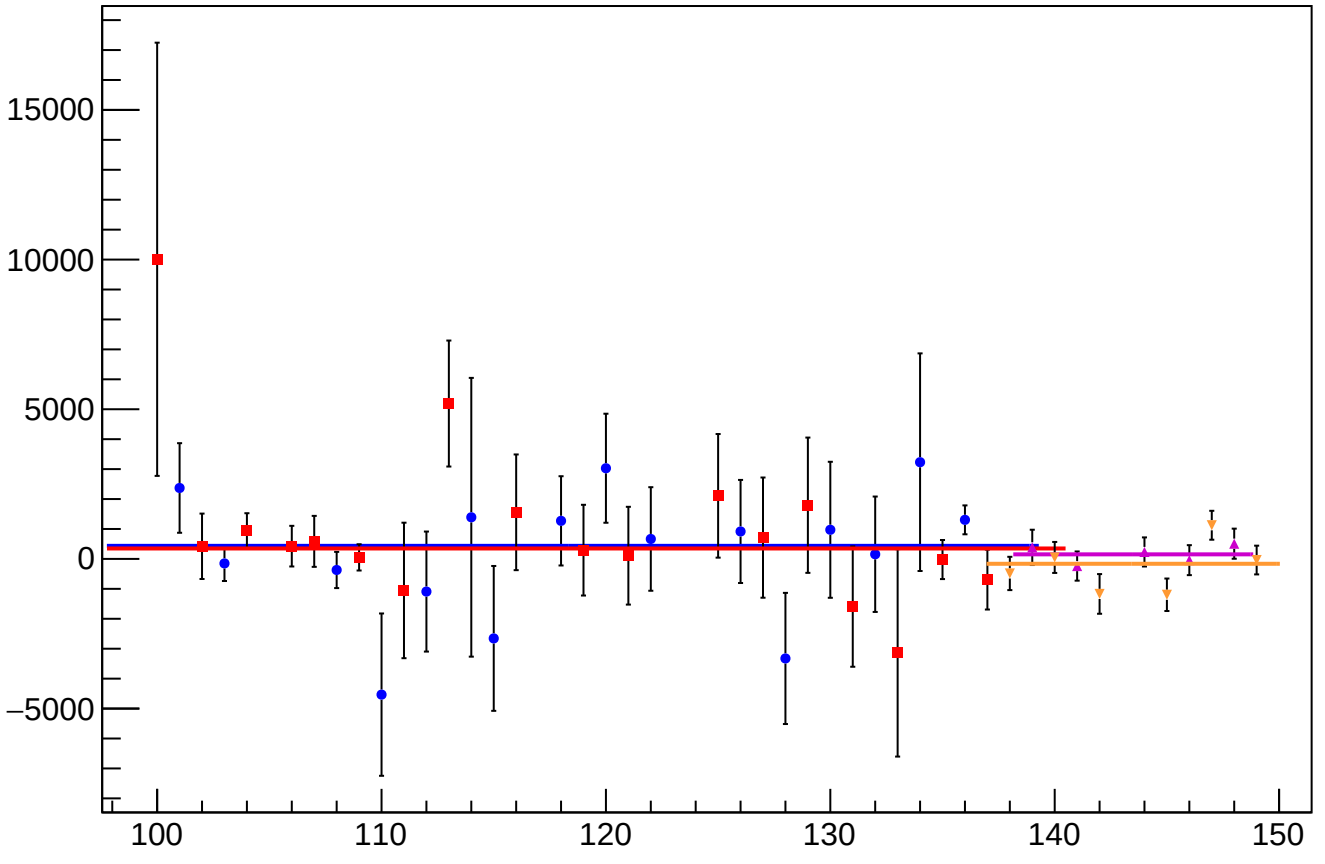
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1676.305+/-0.568 χ^2/NDF:44689.0/4

+ sign 1501.664+/-0.315 χ^2/NDF: 749641.8/21

All: 1490.635+/-0.222 χ^2/NDF: 1362181.6/44

- 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: -162.711+/-216.846 χ^2/NDF:13.6/5

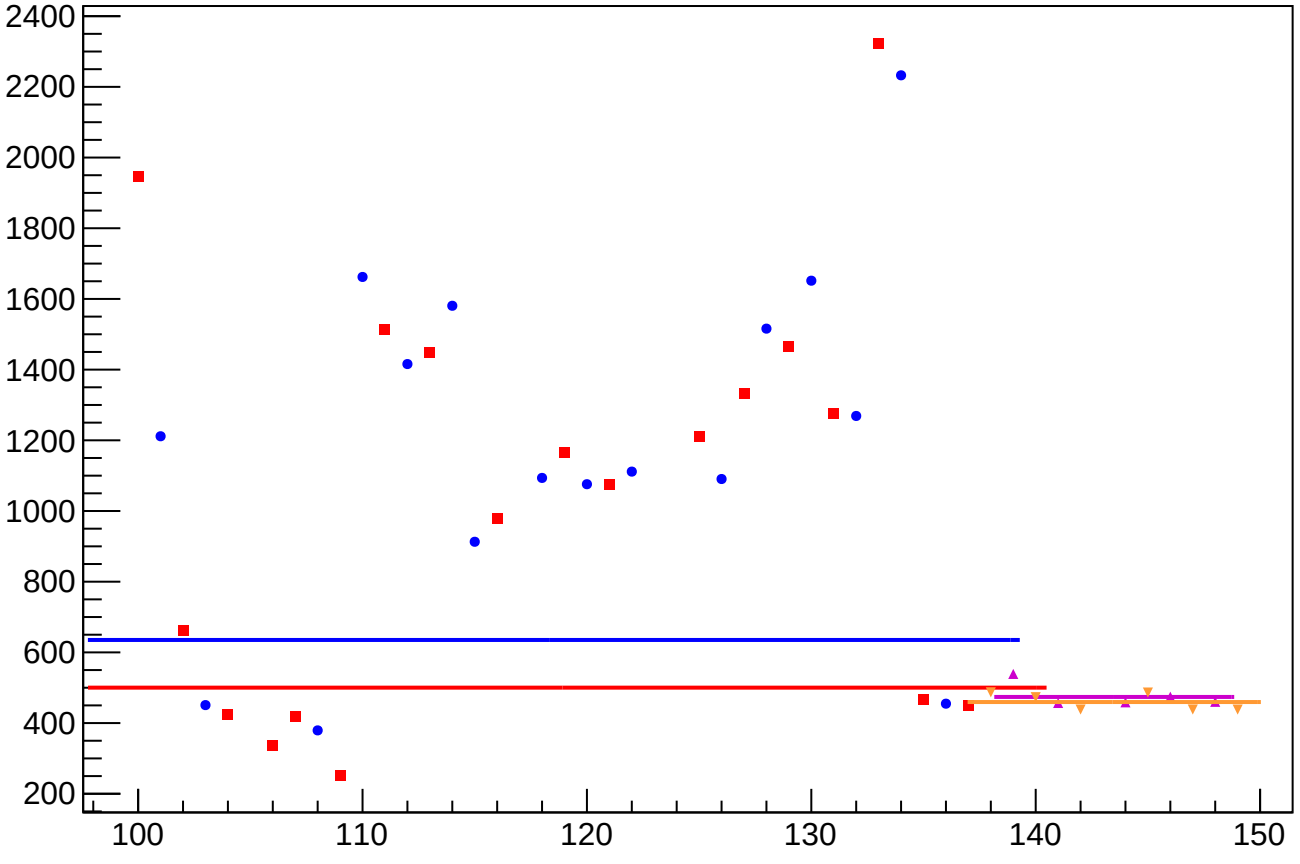
Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: 152.481+/-227.831 χ^2/NDF:1.5/4

\+ sign 66.085+/-170.494 χ^2/NDF: 35.9/21

All: 161.050+/-117.876 χ^2/NDF: 52.2/44

\- 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: 459.515+/-0.153 χ^2/NDF:20992.9/5

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

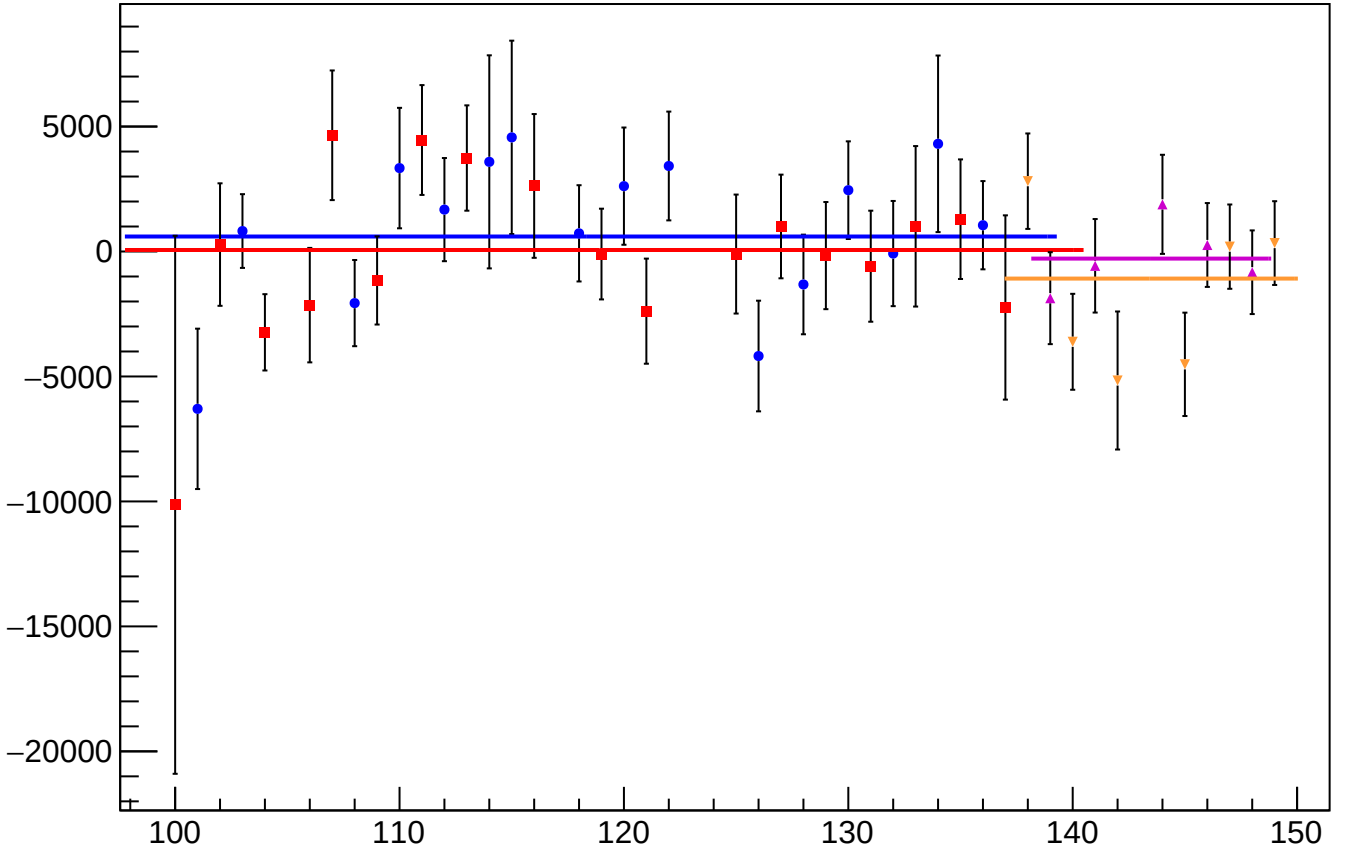
Left In: 473.929+/-0.161 χ^2/NDF:30326.5/4

+ sign 526.571+/-0.121 χ^2/NDF: 4274454.9/21

All: 505.781+/-0.083 χ^2/NDF: 8683832.0/44

- sign 486.743+/-0.115 χ^2/NDF: 4352406.4/22

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1083.241+/-786.099 χ^2/NDF:12.1/5

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

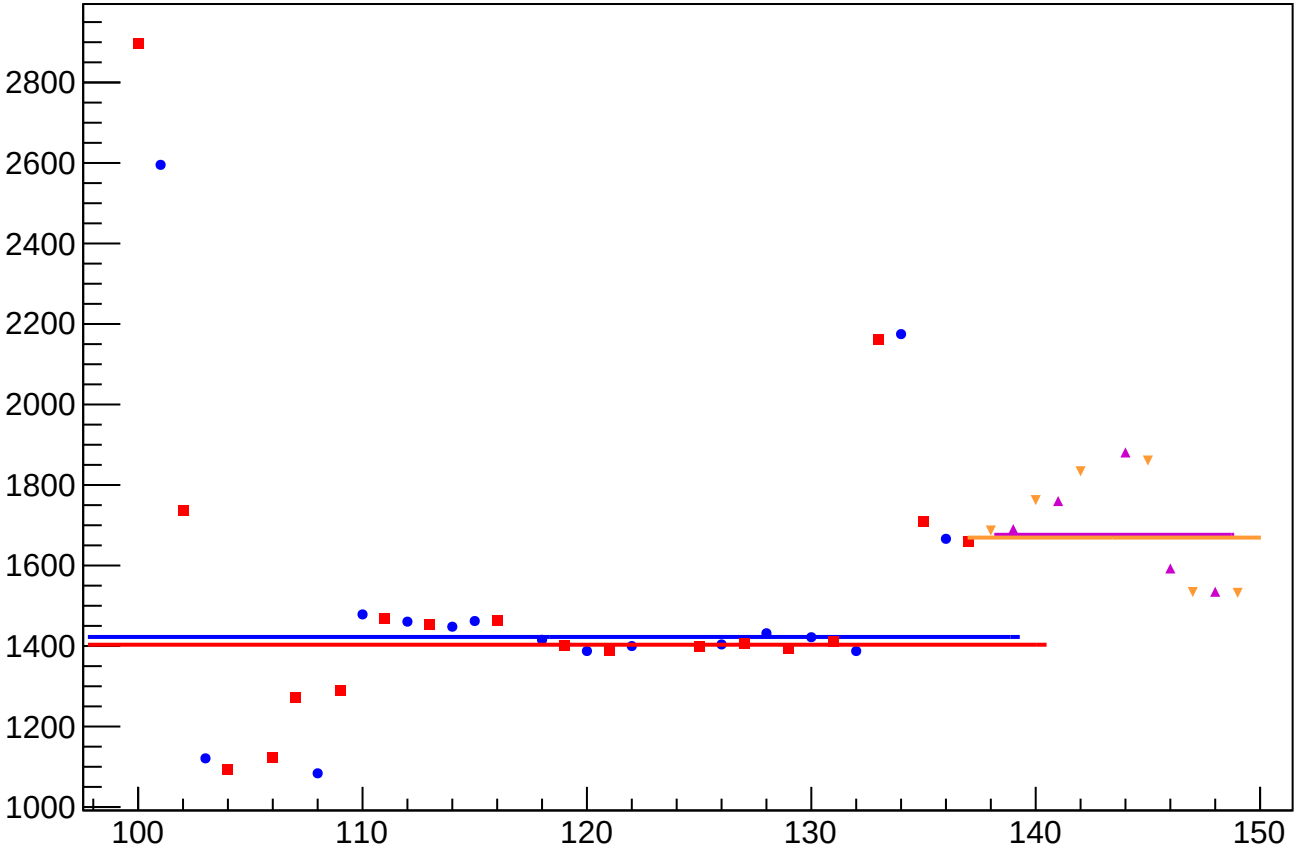
Left In: -283.648+/-803.644 χ^2/NDF:2.2/4

+ sign 60.298+/-445.129 χ^2/NDF: 35.6/21

All: 7.684+/-314.384 χ^2/NDF: 58.3/44

- 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: 1669.362+/-0.556 χ^2/NDF:55404.6/5

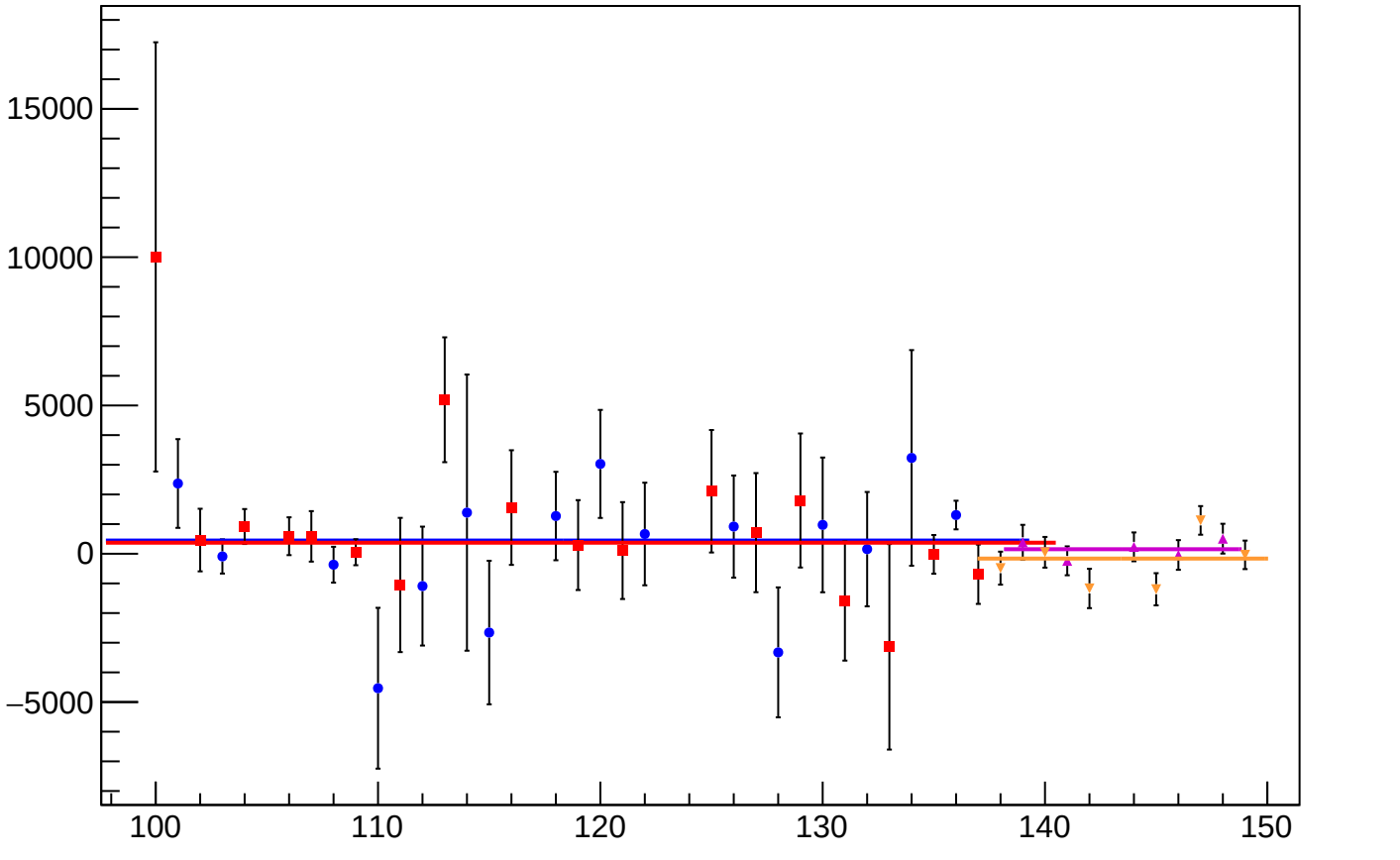
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1676.305+/-0.568 χ^2/NDF:44689.0/4

+ sign 1501.664+/-0.315 χ^2/NDF: 749642.2/21

All: 1494.118+/-0.222 χ^2/NDF: 1315012.6/44

- 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: -162.719+/-216.853 χ^2/NDF:13.6/5

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

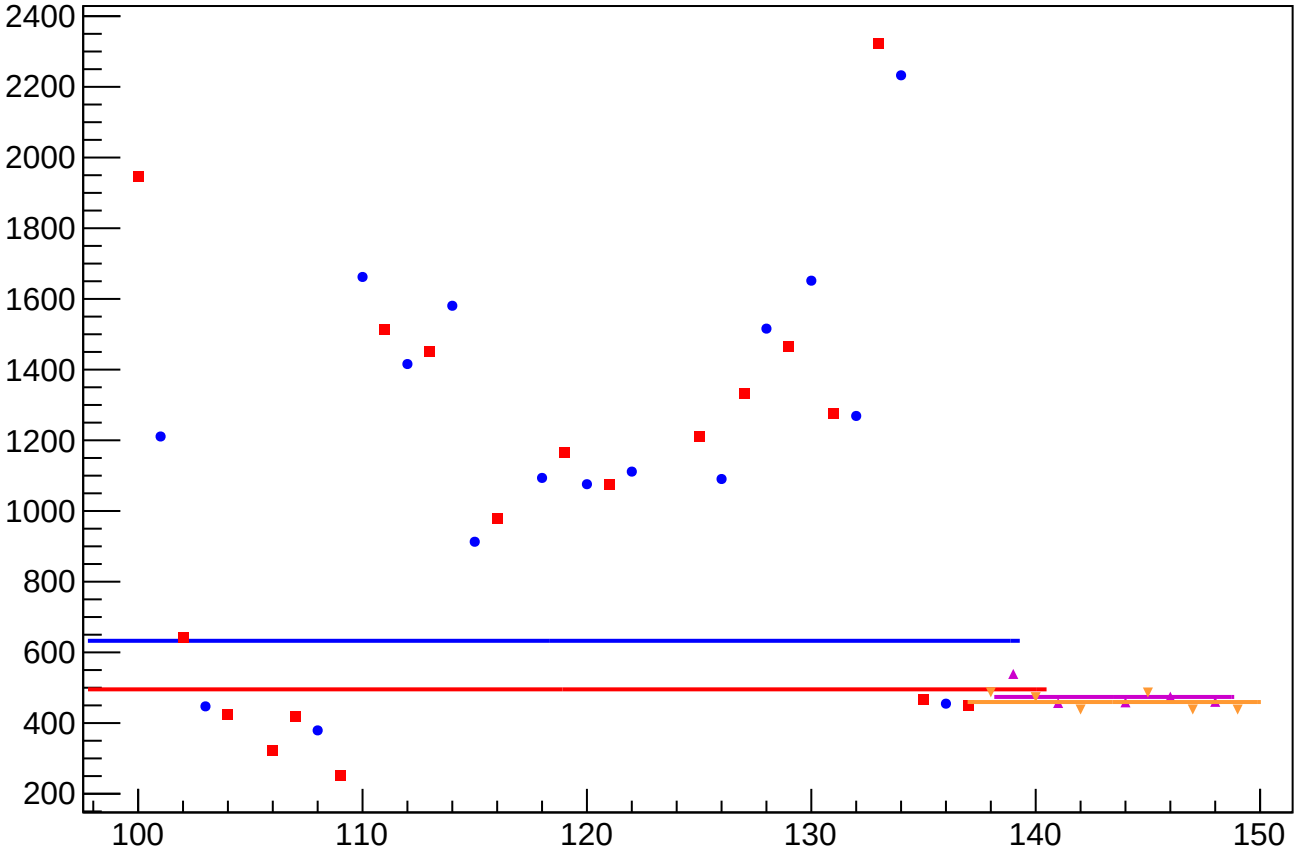
Left In: 152.546+/-227.828 χ^2/NDF:1.5/4

\+ sign 70.608+/-170.218 χ^2/NDF: 35.8/21

All: 170.240+/-117.474 χ^2/NDF: 52.4/44

\- sign 260.853+/-162.331 χ^2/NDF: 15.9/22

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 459.529+/-0.153 χ^2/NDF:20990.7/5

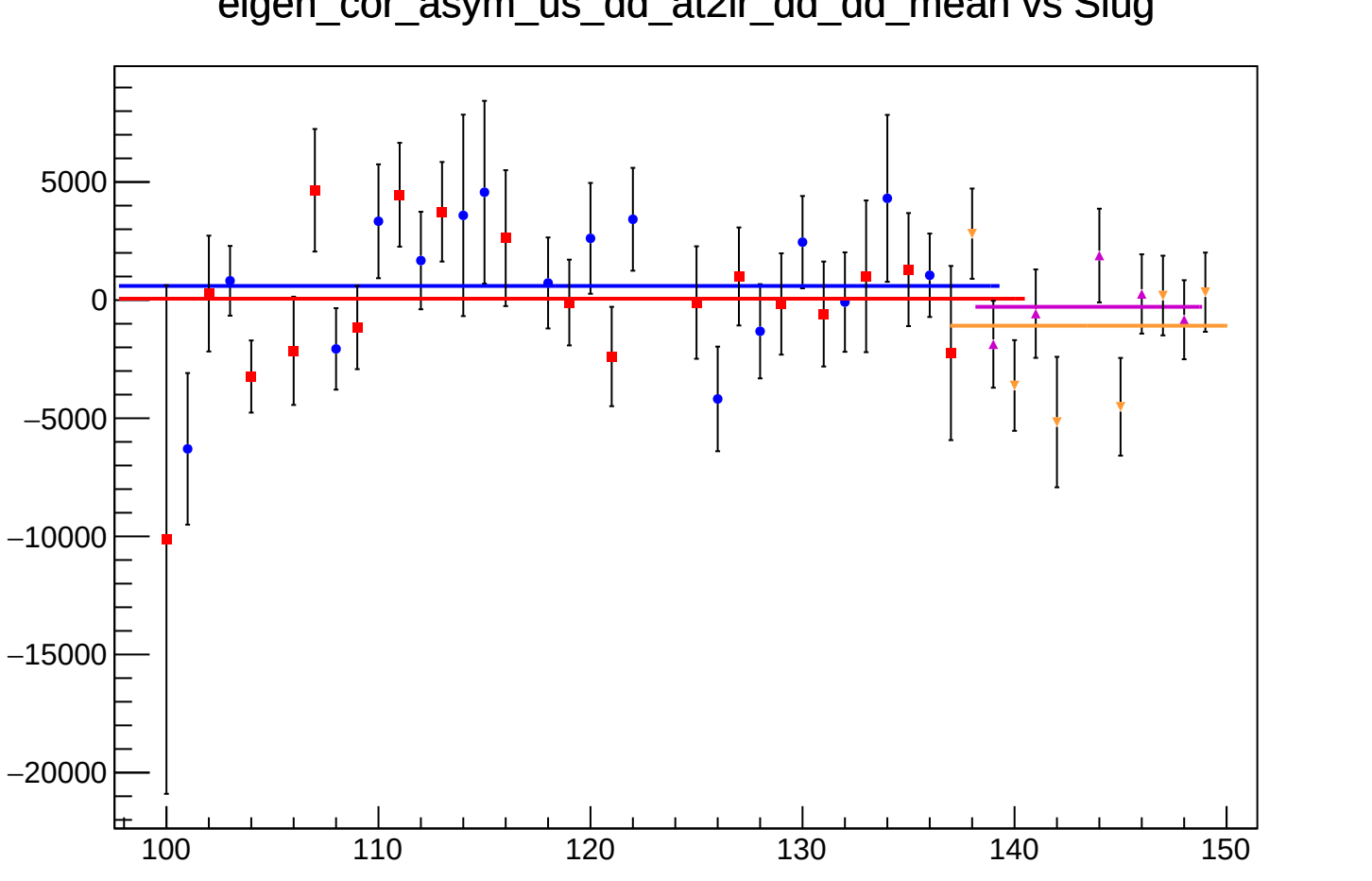
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 473.923+/-0.161 χ^2/NDF:30326.7/4

+ sign 526.023+/-0.120 χ^2/NDF: 4278598.6/21

All: 504.271+/-0.083 χ^2/NDF: 8717511.7/44

- 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: -1083.241+/-786.099 χ^2/NDF:12.1/5

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

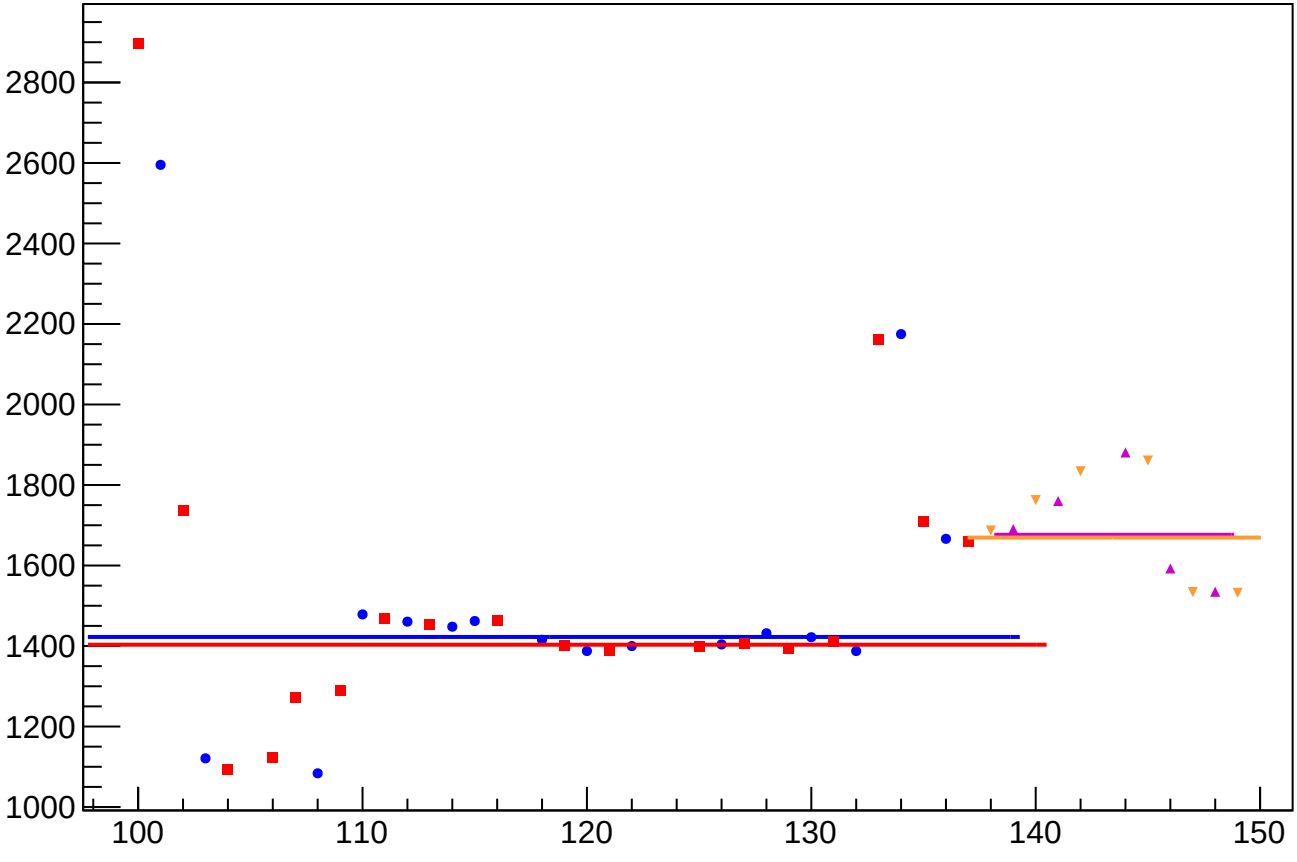
Left In: -283.648+/-803.644 χ^2/NDF:2.2/4

+ sign 60.298+/-445.129 χ^2/NDF: 35.6/21

All: 7.684+/-314.384 χ^2/NDF: 58.3/44

- 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: 1669.362+/-0.556 χ^2/NDF:55404.6/5

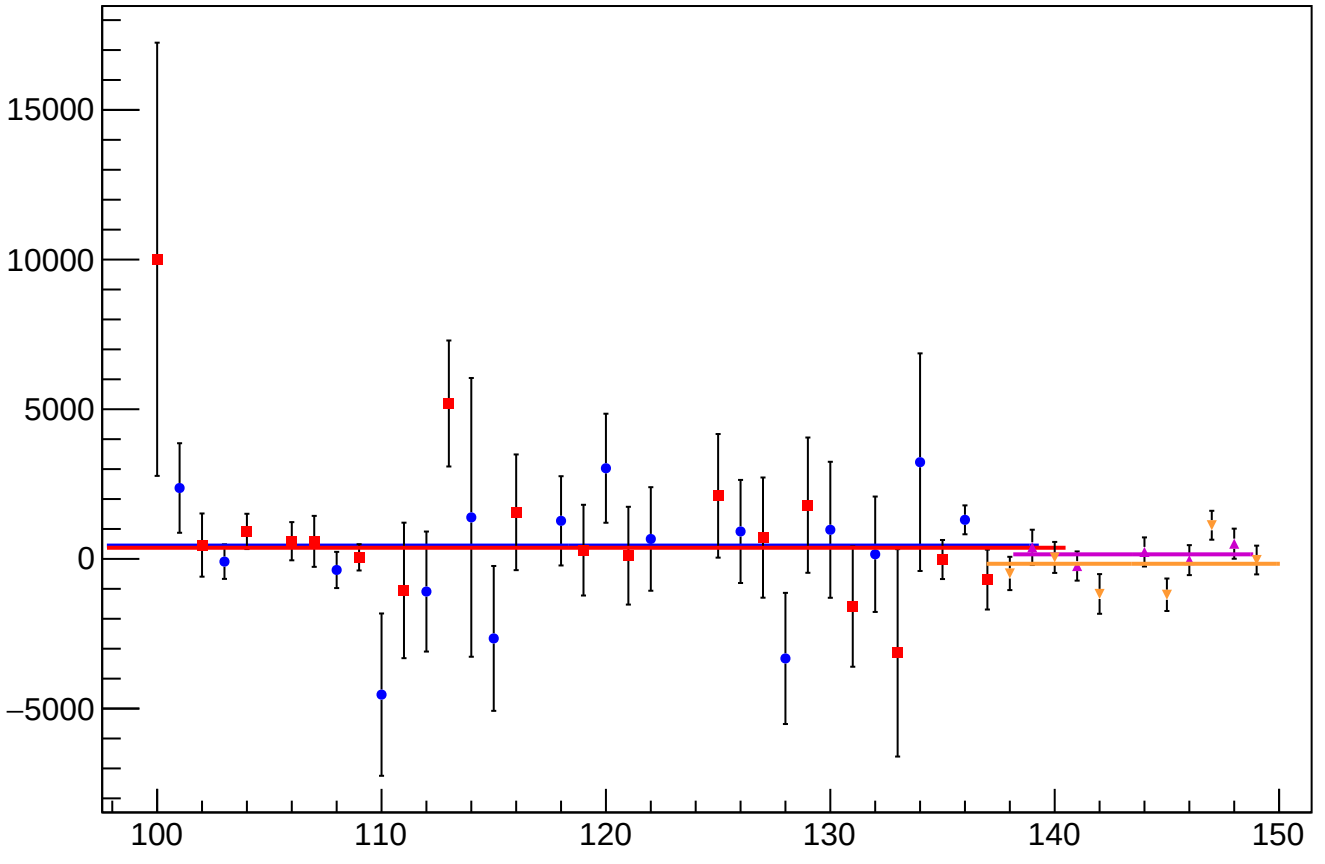
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1676.305+/-0.568 χ^2/NDF:44689.0/4

+ sign 1501.664+/-0.315 χ^2/NDF: 749642.2/21

All: 1494.118+/-0.222 χ^2/NDF: 1315012.6/44

- 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: -162.719+/-216.853 χ^2/NDF:13.6/5

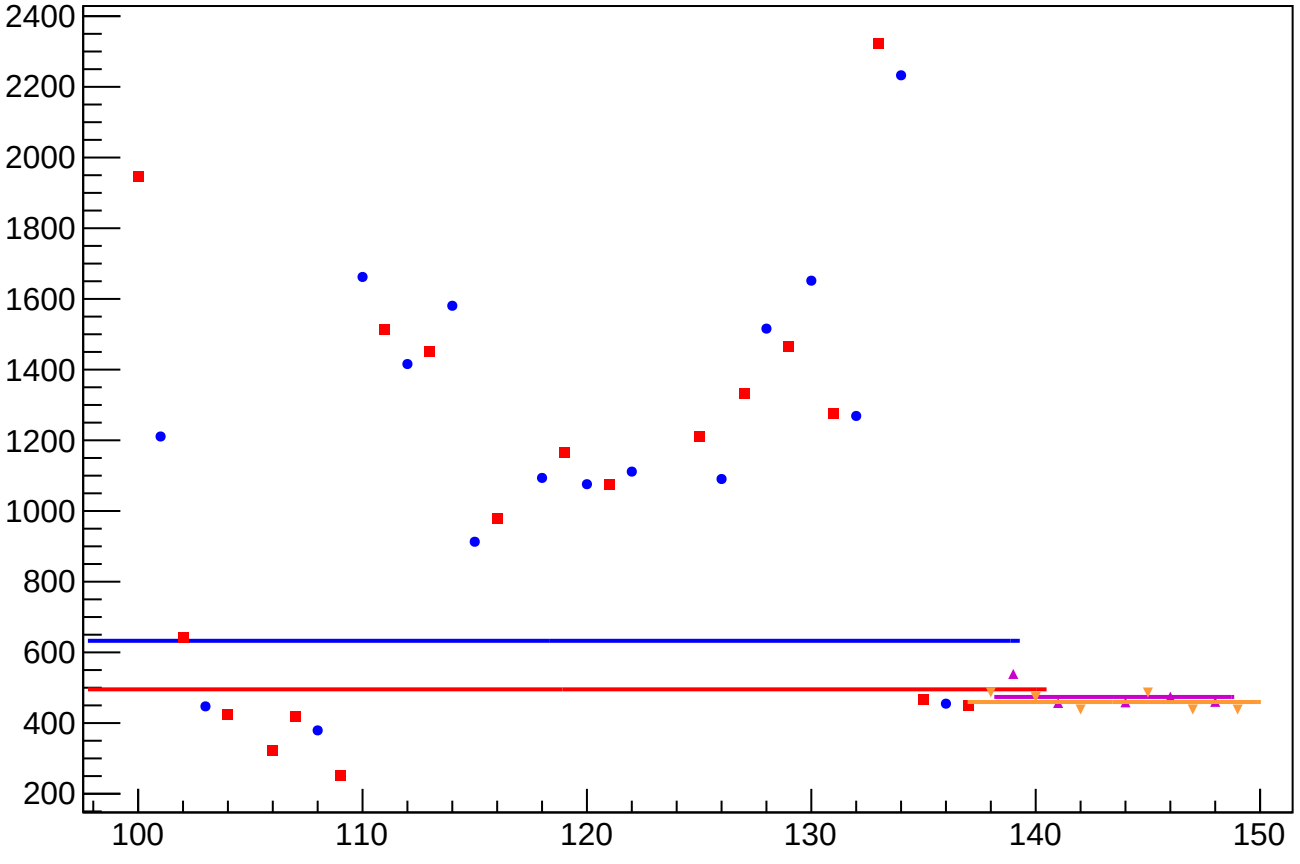
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 152.546+/-227.828 χ^2/NDF:1.5/4

\+ sign 70.608+/-170.218 χ^2/NDF: 35.8/21

All: 170.240+/-117.474 χ^2/NDF: 52.4/44

\- 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: 459.529+/-0.153 χ^2/NDF:20990.7/5

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

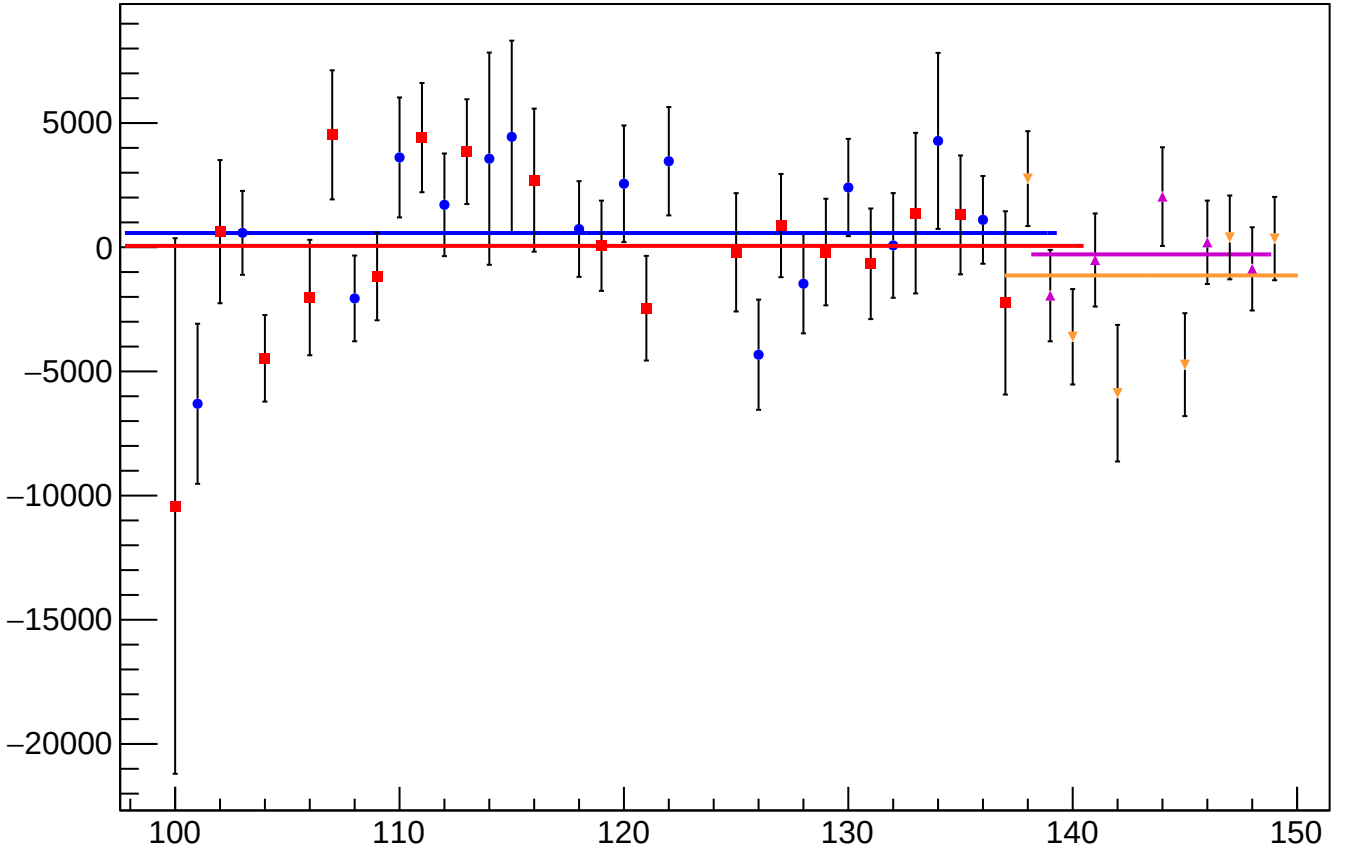
Left In: 473.923+/-0.161 χ^2/NDF:30326.7/4

+ sign 526.023+/-0.120 χ^2/NDF: 4278598.6/21

All: 504.271+/-0.083 χ^2/NDF: 8717511.7/44

- sign 484.487+/-0.115 χ^2/NDF: 4376545.1/22

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -1135.376+/-786.554 χ^2/NDF:13.4/5

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

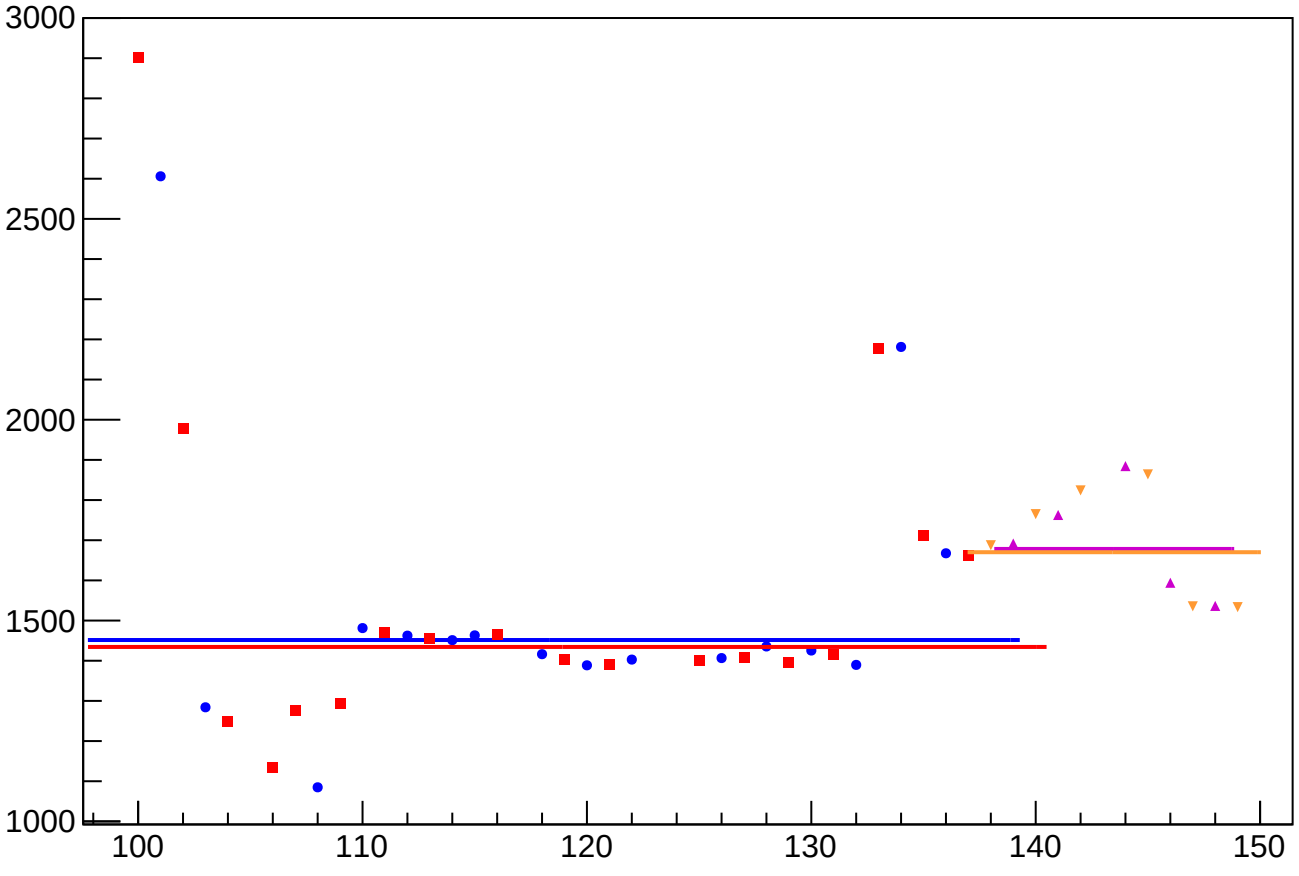
Left In: -288.417+/-804.634 χ^2/NDF:2.4/4

+ sign 12.009+/-450.536 χ^2/NDF: 37.3/21

All: -20.906+/-318.895 χ^2/NDF: 62.4/44

- 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: 1670.182+/-0.556 χ^2/NDF:54819.2/5

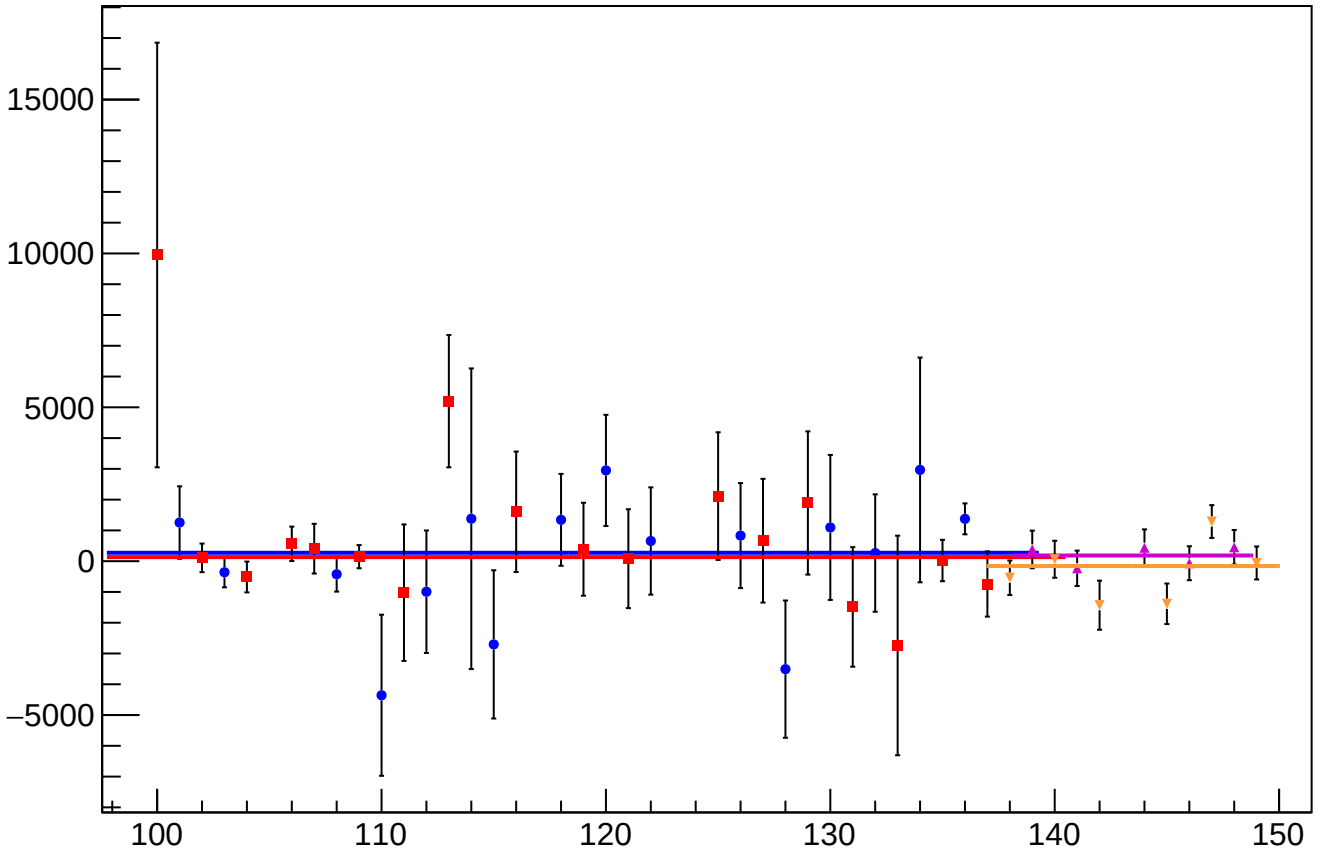
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1678.308+/-0.569 χ^2/NDF:45100.4/4

+ sign 1523.302+/-0.319 χ^2/NDF: 646454.7/21

All: 1517.224+/-0.225 χ^2/NDF: 1146884.3/44

- 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: -158.197+/-243.765 χ^2/NDF:14.0/5

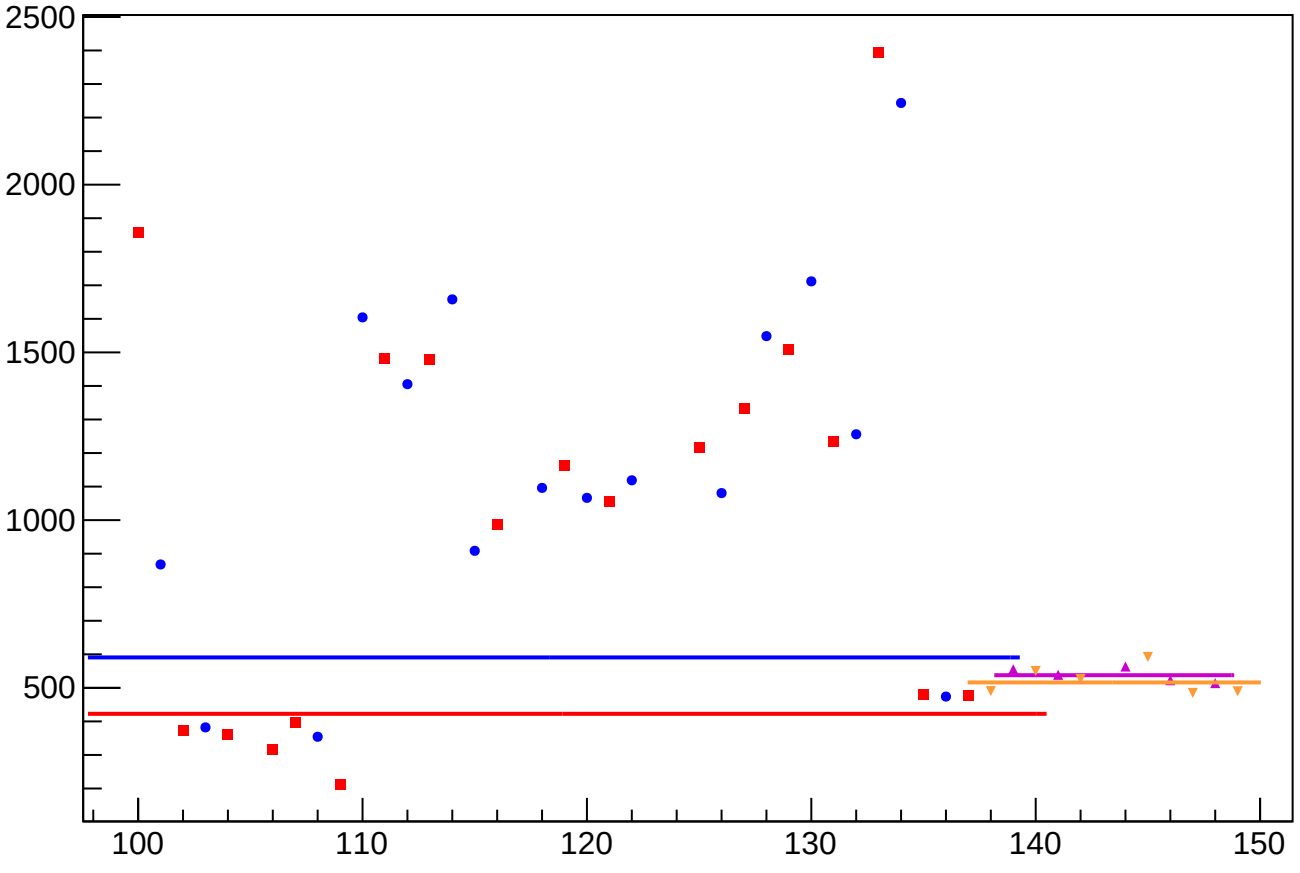
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 184.814+/-258.356 χ^2/NDF:1.2/4

+ sign 43.281+/-178.002 χ^2/NDF: 35.7/21

All: 104.533+/-117.370 χ^2/NDF: 51.6/44

- 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: 516.181+/-0.172 χ^2/NDF:49370.3/5

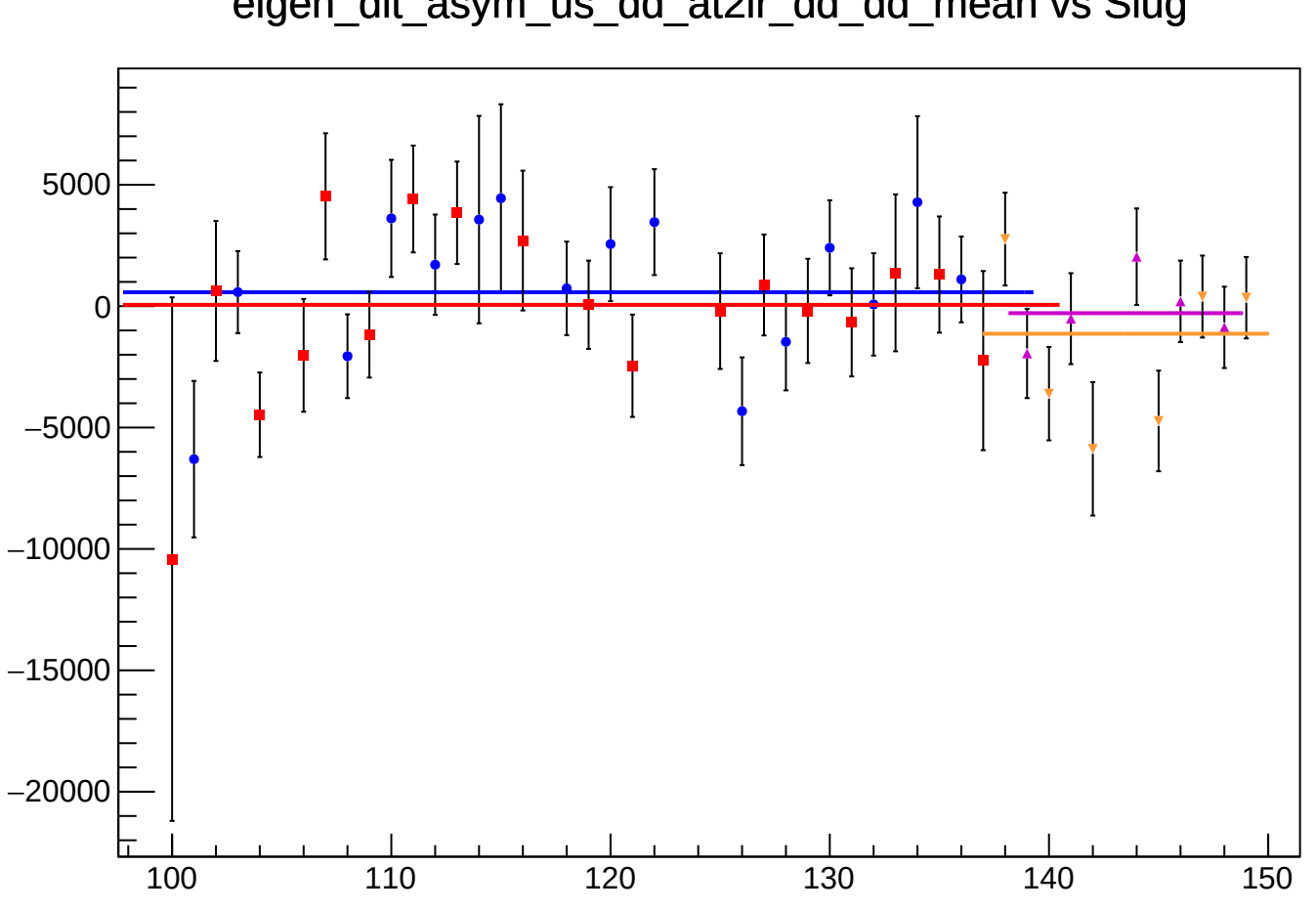
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 537.745+/-0.183 χ^2/NDF:10435.3/4

+ sign 550.988+/-0.126 χ^2/NDF: 4022231.4/21

All: 502.194+/-0.083 χ^2/NDF: 9408640.2/44

- 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: -1135.385+/-786.554 χ^2/NDF:13.4/5

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

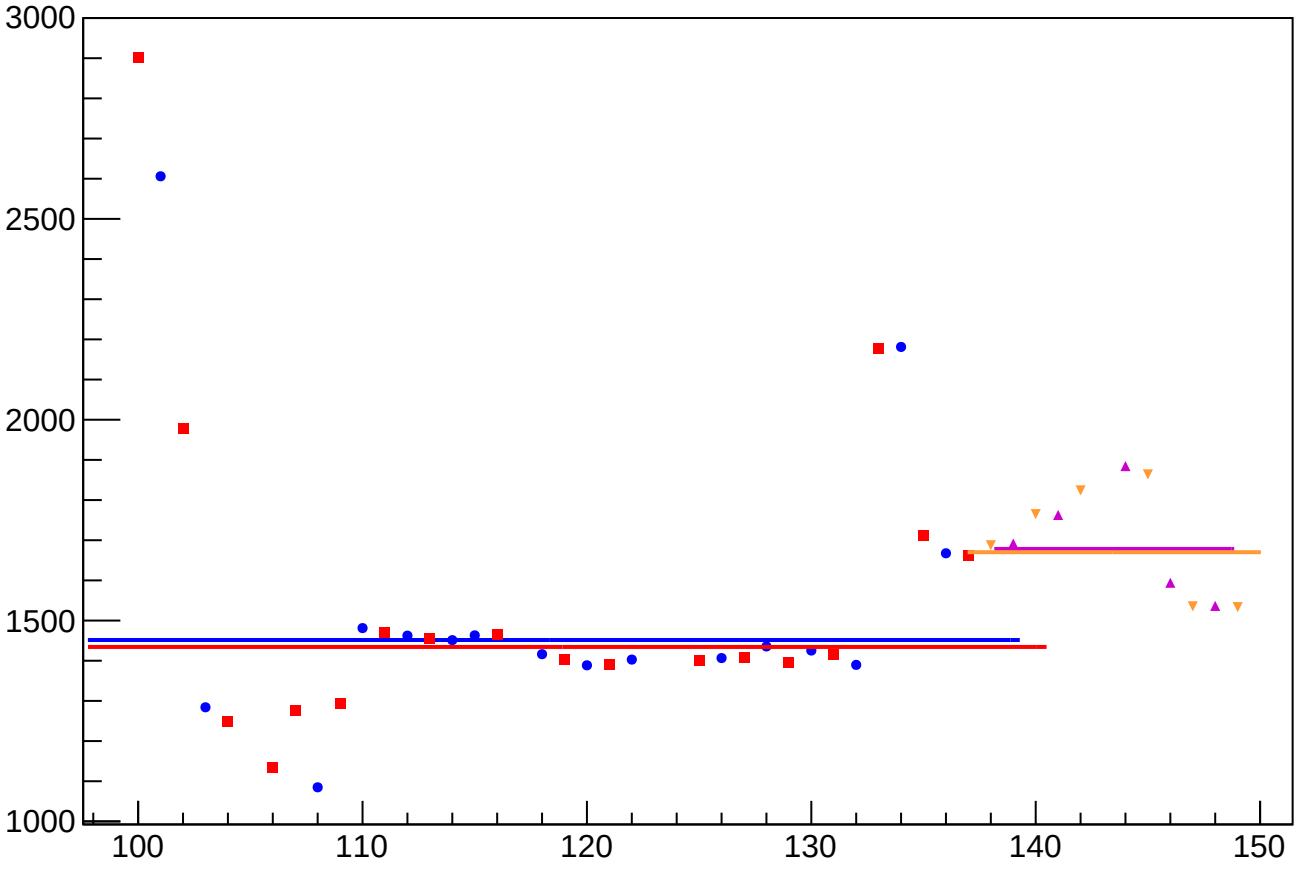
Left In: -288.411+/-804.634 χ^2/NDF:2.4/4

+ sign 12.006+/-450.536 χ^2/NDF: 37.3/21

All: -20.906+/-318.895 χ^2/NDF: 62.4/44

- 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: 1670.182+/-0.556 χ^2/NDF:54819.4/5

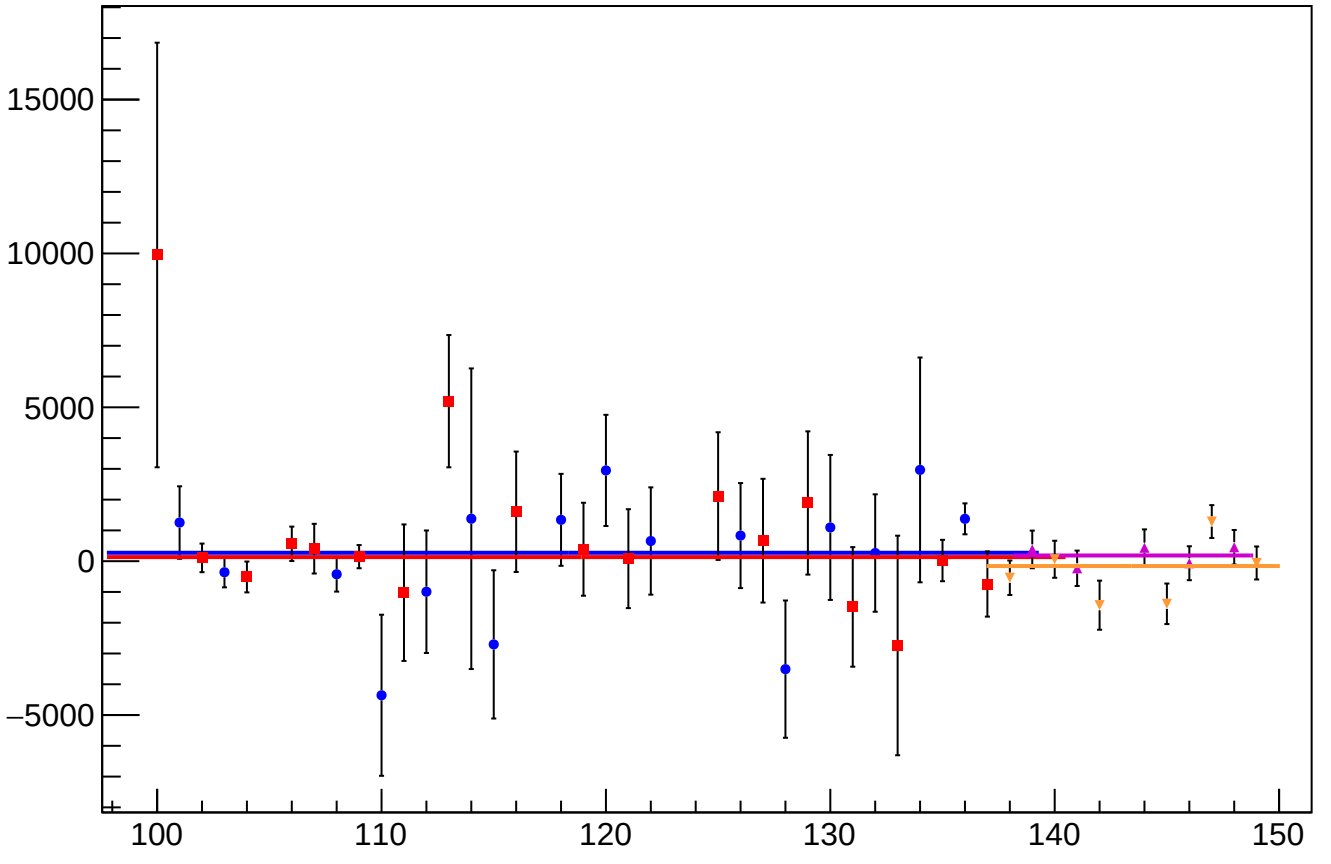
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1678.308+/-0.569 χ^2/NDF:45100.6/4

+ sign 1523.302+/-0.319 χ^2/NDF: 646454.5/21

All: 1517.224+/-0.225 χ^2/NDF: 1146884.3/44

- 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: -158.188+/-243.767 χ^2/NDF:14.0/5

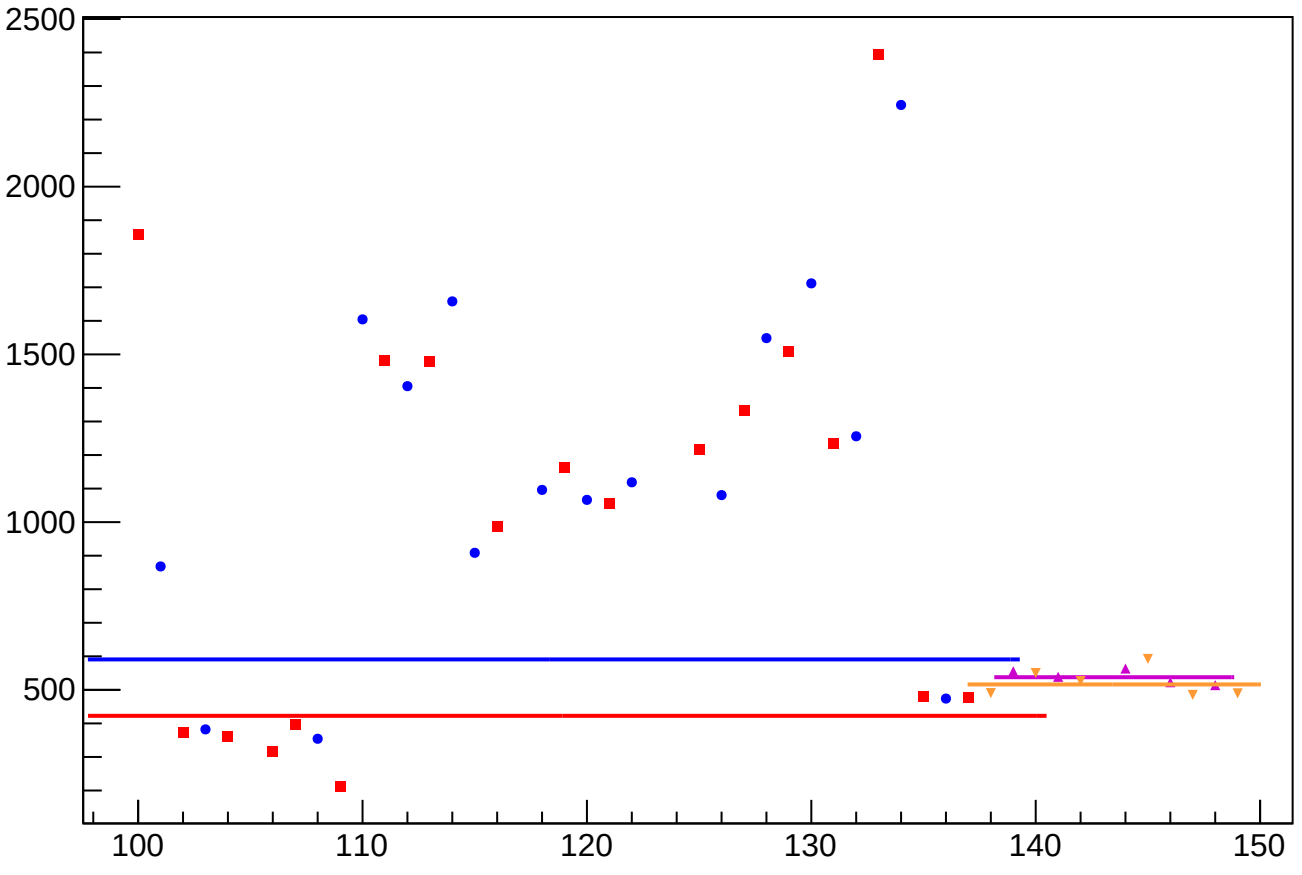
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 184.821+/-258.358 χ^2/NDF:1.2/4

\+ sign 43.284+/-178.003 χ^2/NDF: 35.7/21

All: 104.533+/-117.371 χ^2/NDF: 51.6/44

\- 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: 516.185+/-0.172 χ^2/NDF:49373.0/5

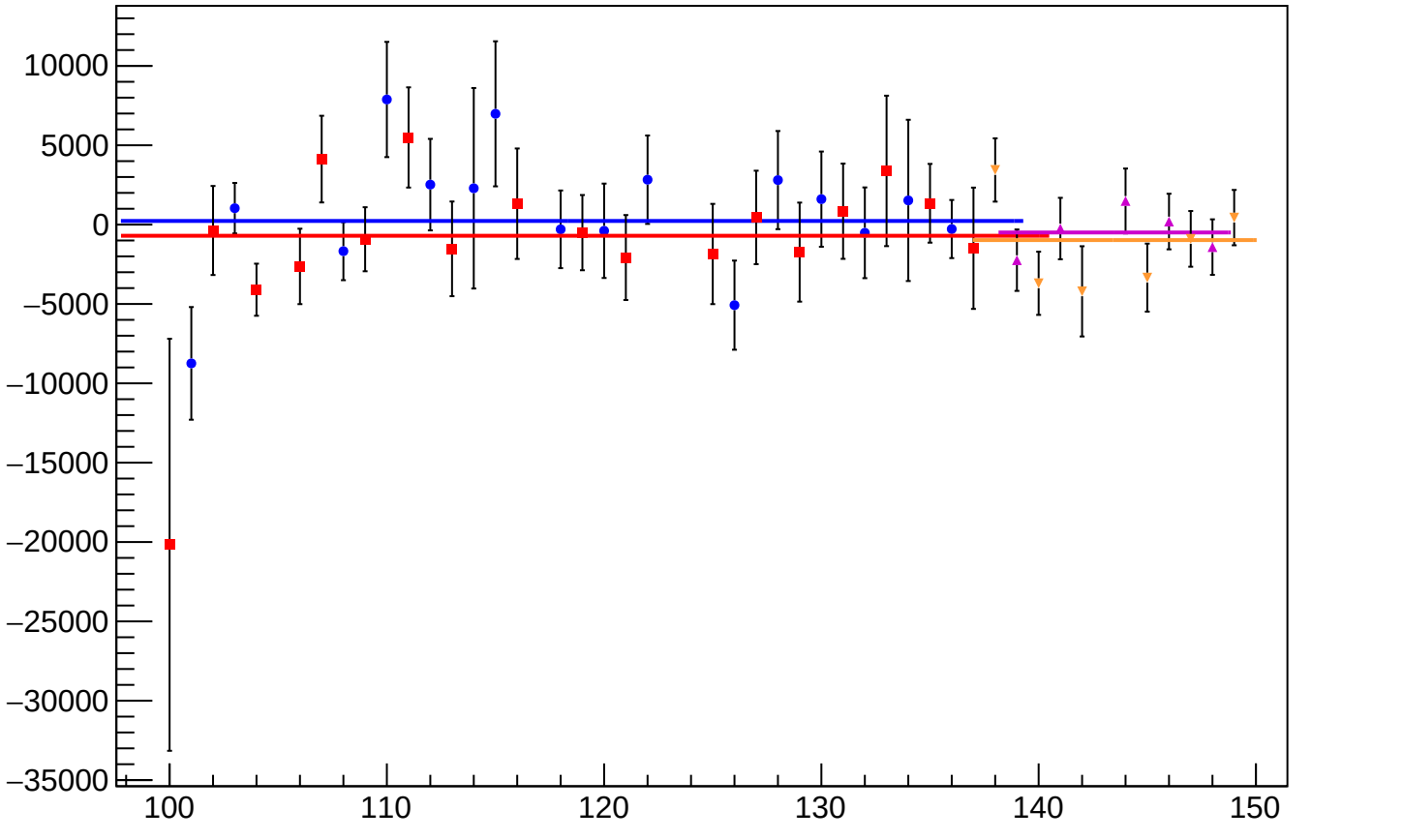
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 537.747+/-0.183 χ^2/NDF:10444.9/4

+ sign 550.989+/-0.126 χ^2/NDF: 4022247.4/21

All: 502.198+/-0.083 χ^2/NDF: 9408547.5/44

- 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: -974.874+/-816.902 χ^2/NDF:9.9/5

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

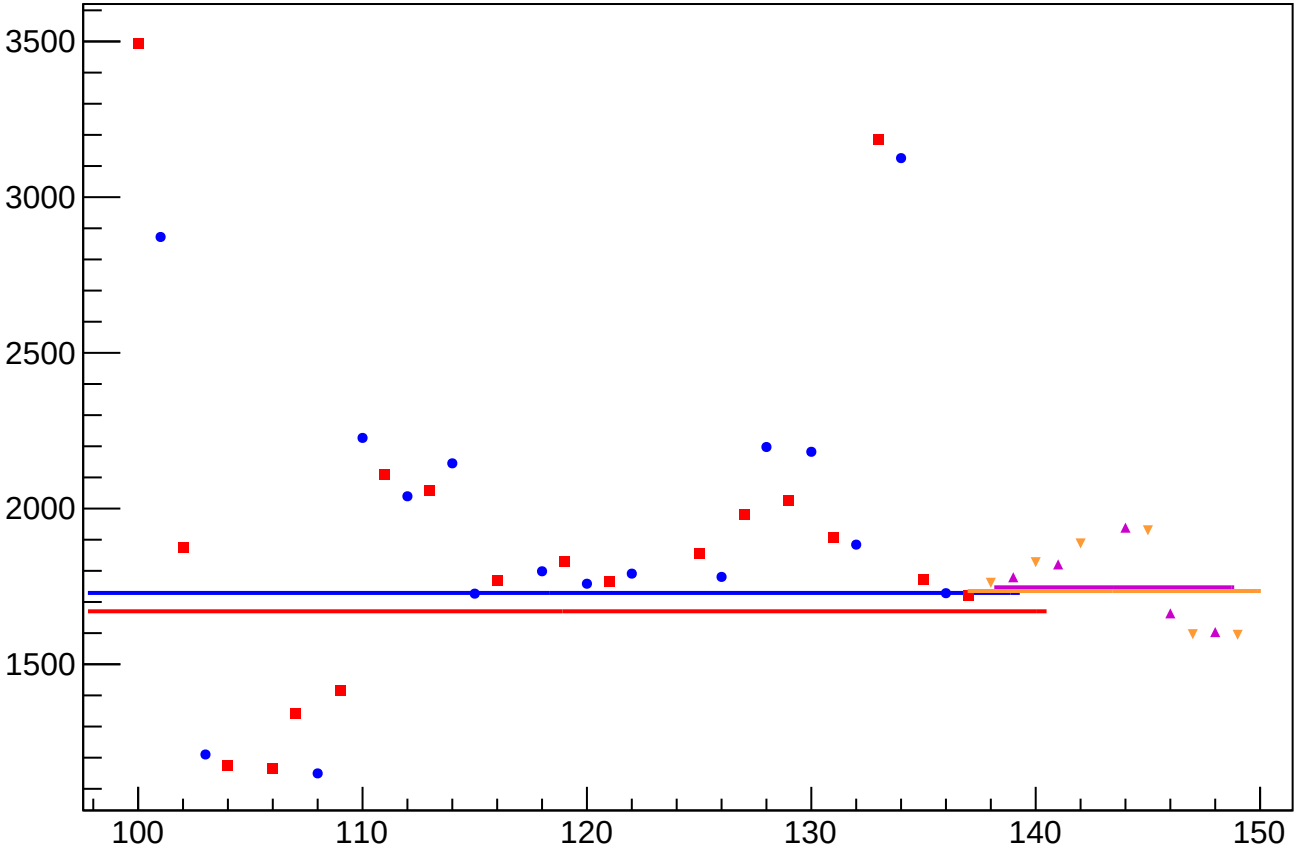
Left In: -495.576+/-837.287 χ^2/NDF:2.2/4

\+ sign -250.836+/-516.302 χ^2/NDF: 32.0/21

All: -439.156+/-363.769 χ^2/NDF: 51.5/44

\- 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: 1735.211+/-0.578 χ^2/NDF:52463.3/5

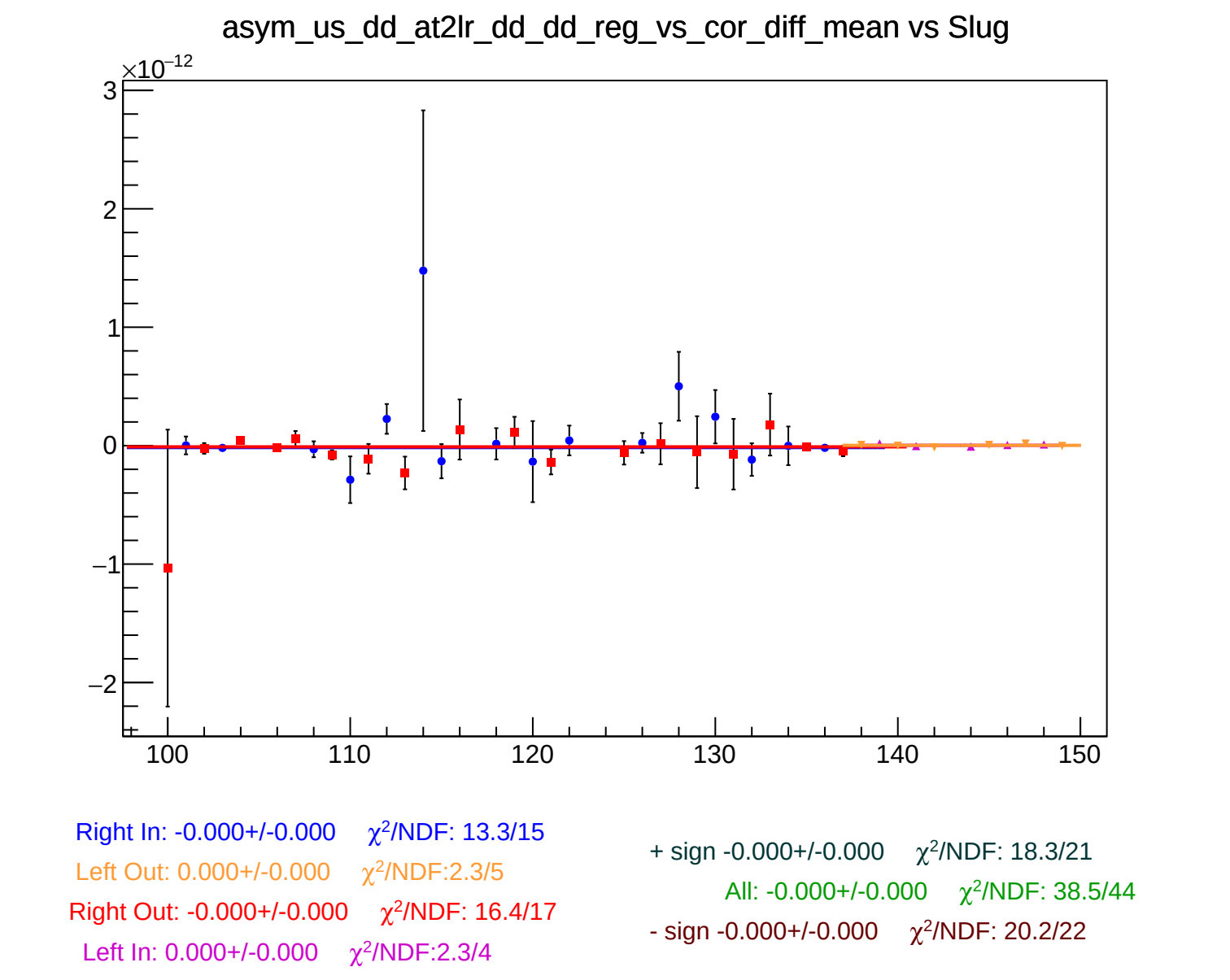
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

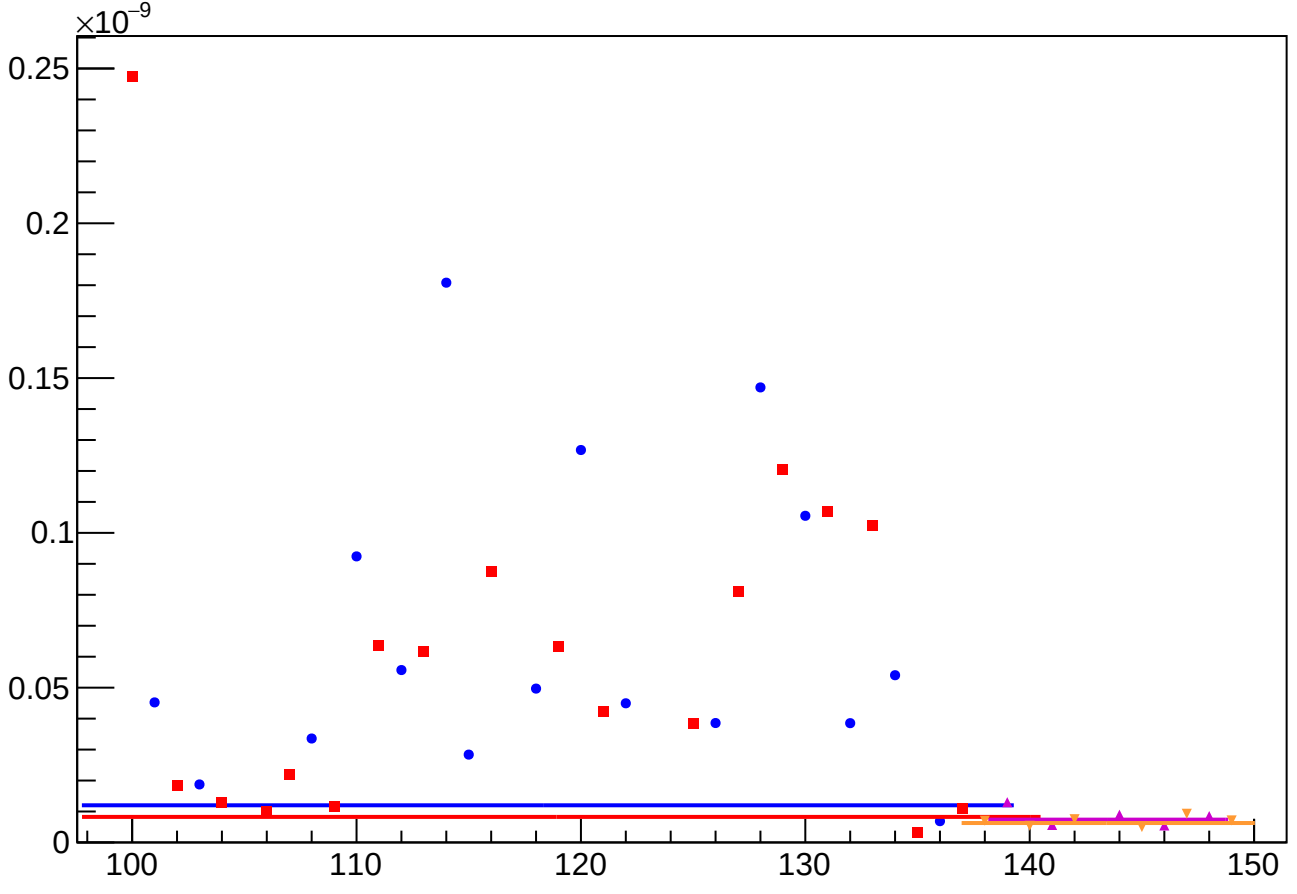
Left In: 1747.042+/-0.592 χ^2/NDF:39087.6/4

+ sign 1731.511+/-0.365 χ^2/NDF: 994610.8/21

All: 1715.095+/-0.257 χ^2/NDF: 1792736.3/44

- sign 1698.913+/-0.362 χ^2/NDF: 794110.5/22


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2.3/5
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: 0.000+/-0.000 χ²/NDF:2.3/4
+ sign -0.000+/-0.000 χ²/NDF: 18.3/21
All: -0.000+/-0.000 χ²/NDF: 38.5/44
- sign -0.000+/-0.000 χ²/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:147805.7/5

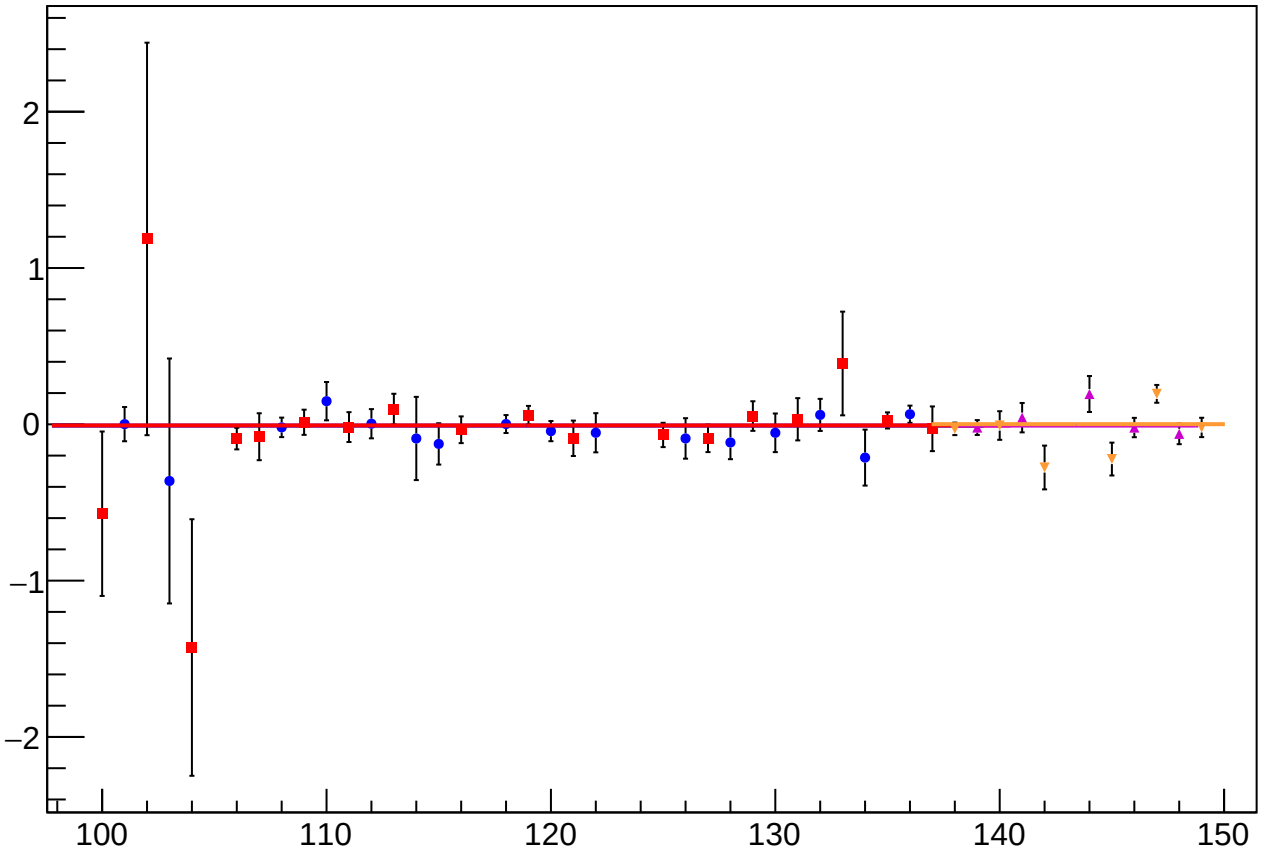
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:371857.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 4079142.9/21

All: 0.000+/-0.000 χ^2/NDF: 7979162.2/44

- 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: 0.001+/-0.026 χ^2/NDF:20.7/5

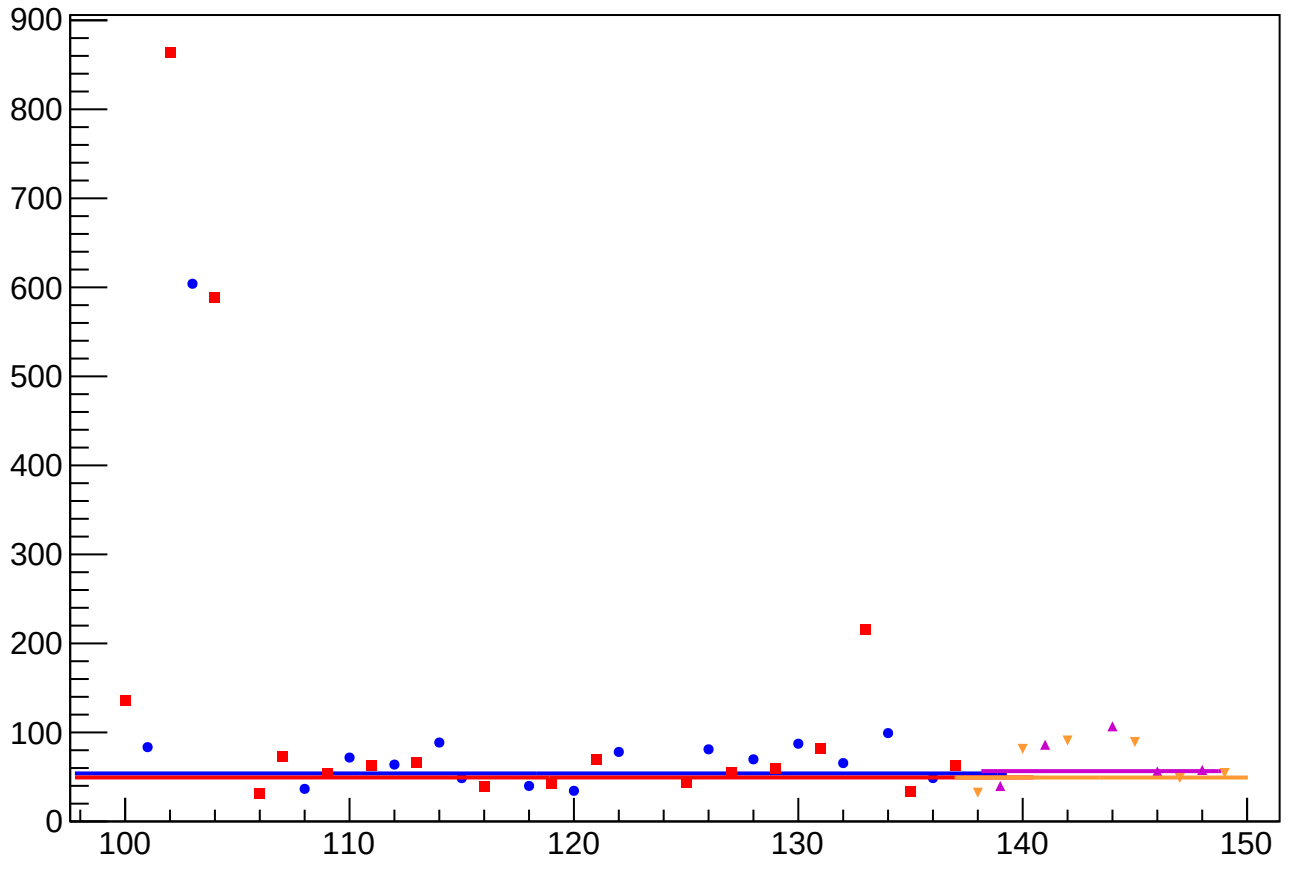
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.030 χ^2/NDF:4.1/4

+ sign -0.004+/-0.017 χ^2/NDF: 29.0/21

All: -0.006+/-0.012 χ^2/NDF: 46.9/44

- 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: 49.347+/-0.019 χ^2/NDF:1090829.4/5

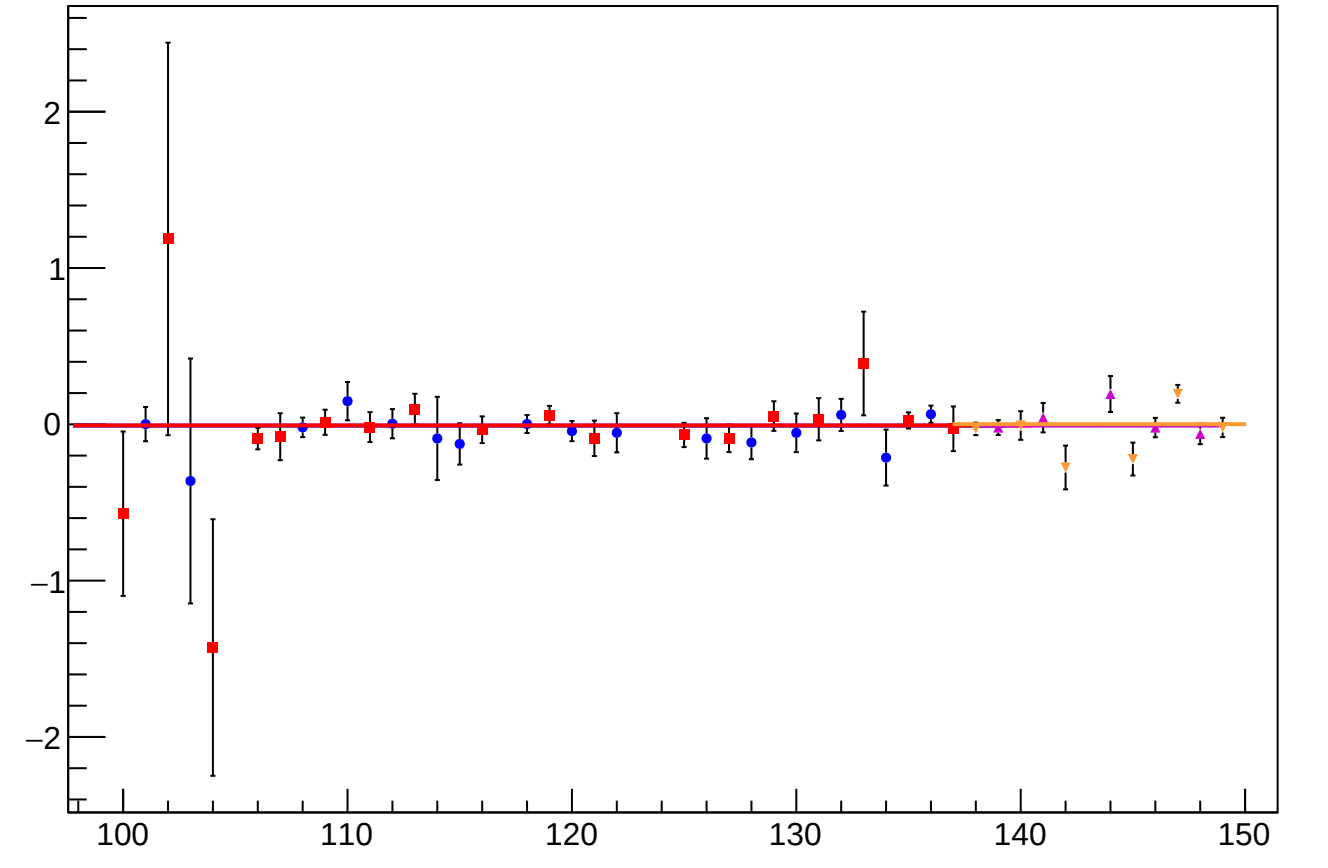
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.542+/-0.021 χ^2/NDF:829981.2/4

+ sign 51.923+/-0.012 χ^2/NDF: 3339540.1/21

All: 51.938+/-0.009 χ^2/NDF: 7260343.5/44

- 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: 0.001+/-0.026 χ^2/NDF:20.7/5

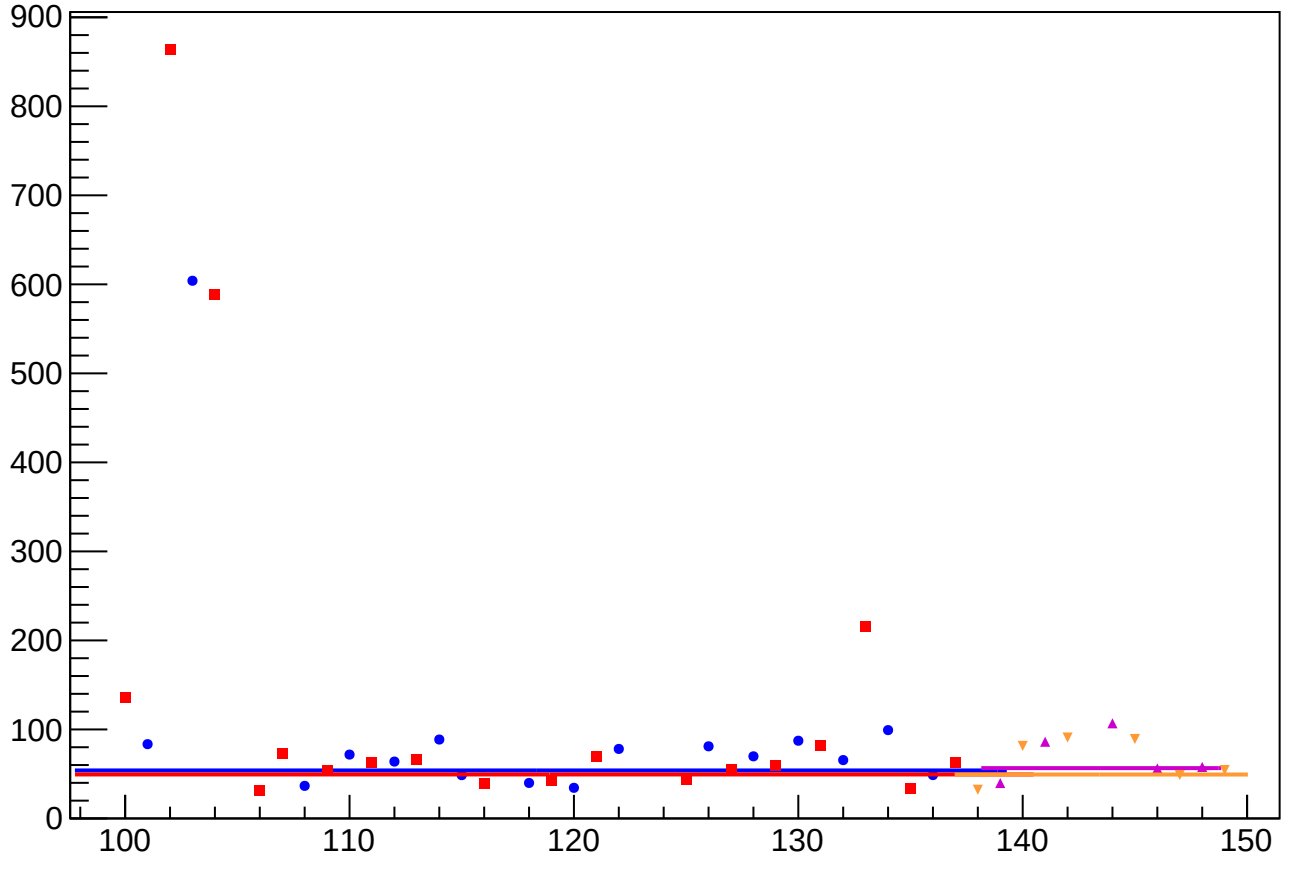
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.030 χ^2/NDF:4.1/4

+ sign -0.004+/-0.017 χ^2/NDF: 29.0/21

All: -0.006+/-0.012 χ^2/NDF: 46.9/44

- 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: 49.347+/-0.019 χ^2/NDF:1090829.4/5

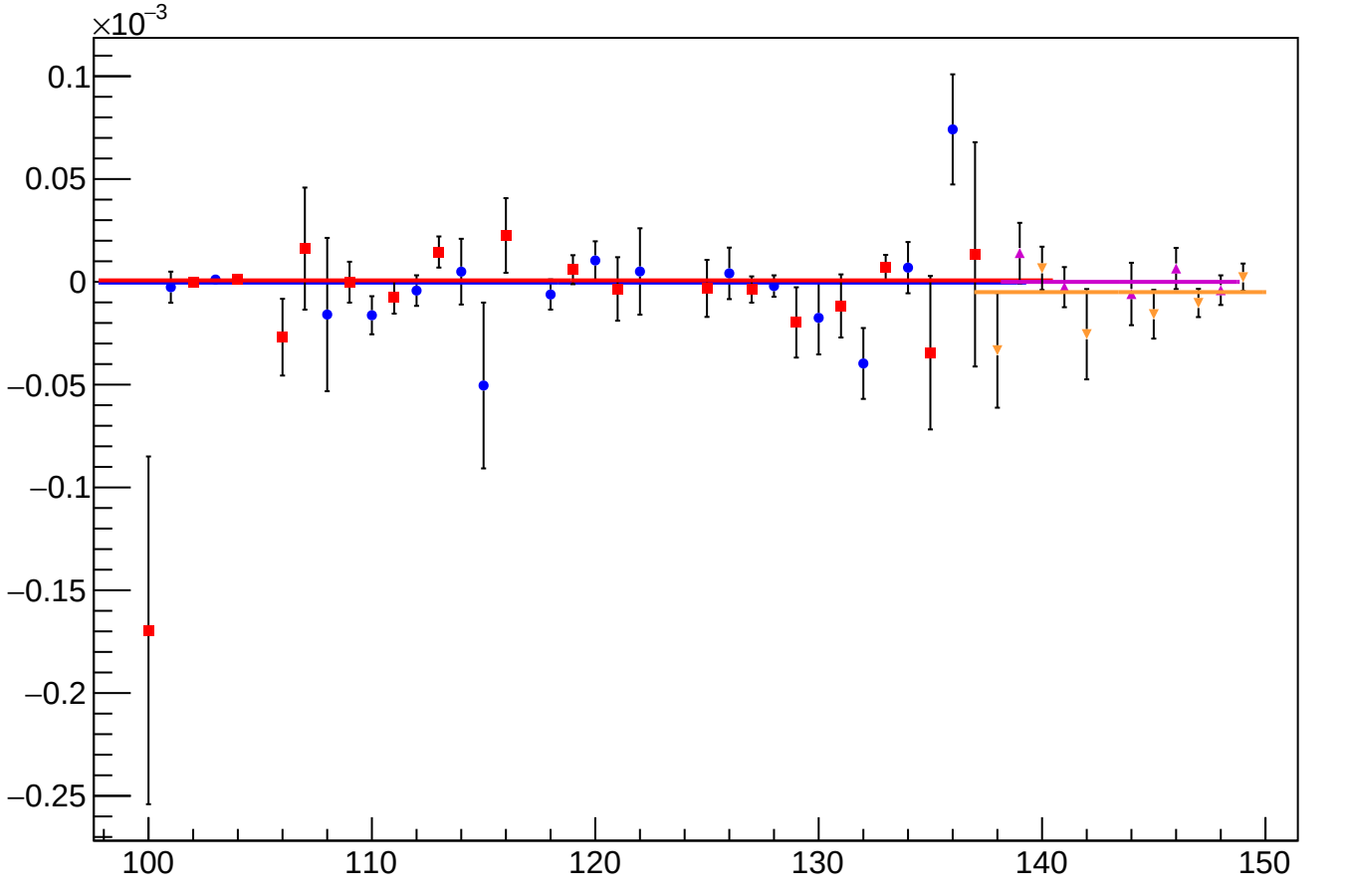
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.542+/-0.021 χ^2/NDF:829981.2/4

\+ sign 51.923+/-0.012 χ^2/NDF: 3339540.1/21

All: 51.938+/-0.009 χ^2/NDF: 7260343.5/44

\- 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:5.7/5

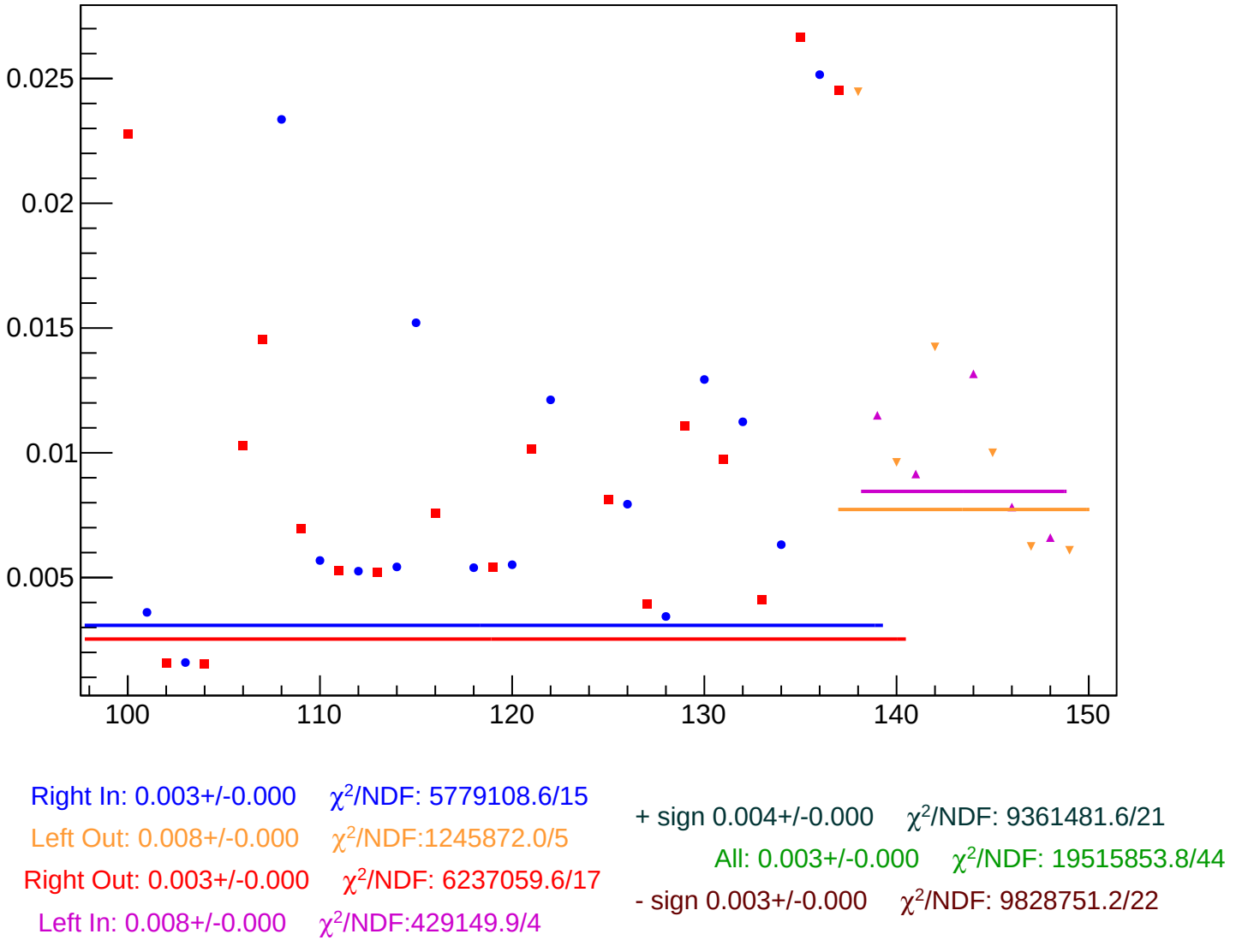
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

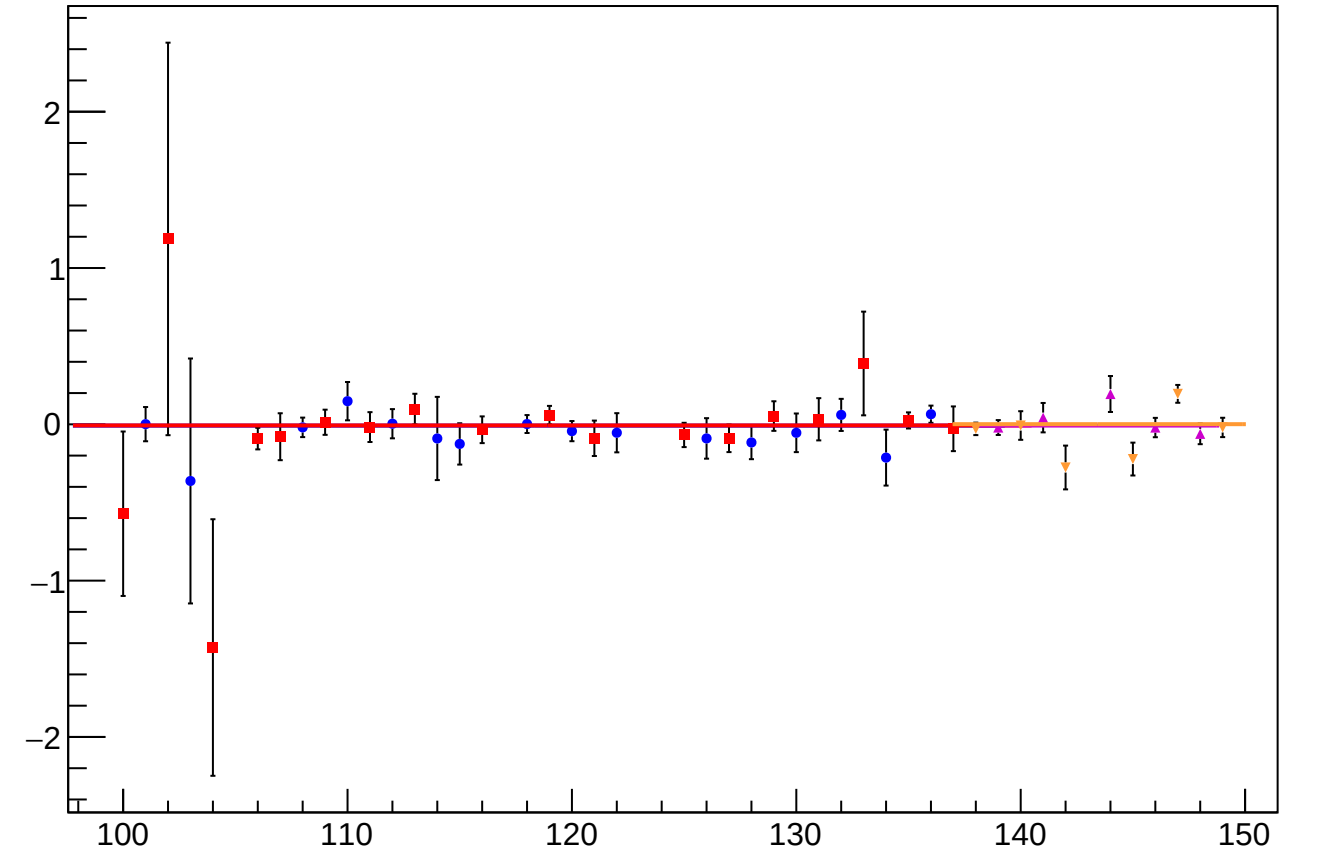
Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 29.0/21

All: -0.000+/-0.000 χ^2/NDF: 49.5/44

- sign 0.000+/-0.000 χ^2/NDF: 19.7/22


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.008+/-0.000 χ²/NDF:1245872.0/5
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.008+/-0.000 χ²/NDF:429149.9/4
+ sign 0.004+/-0.000 χ²/NDF: 9361481.6/21
All: 0.003+/-0.000 χ²/NDF: 19515853.8/44
- sign 0.003+/-0.000 χ²/NDF: 9828751.2/22



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.001+/-0.026 χ^2/NDF:20.7/5

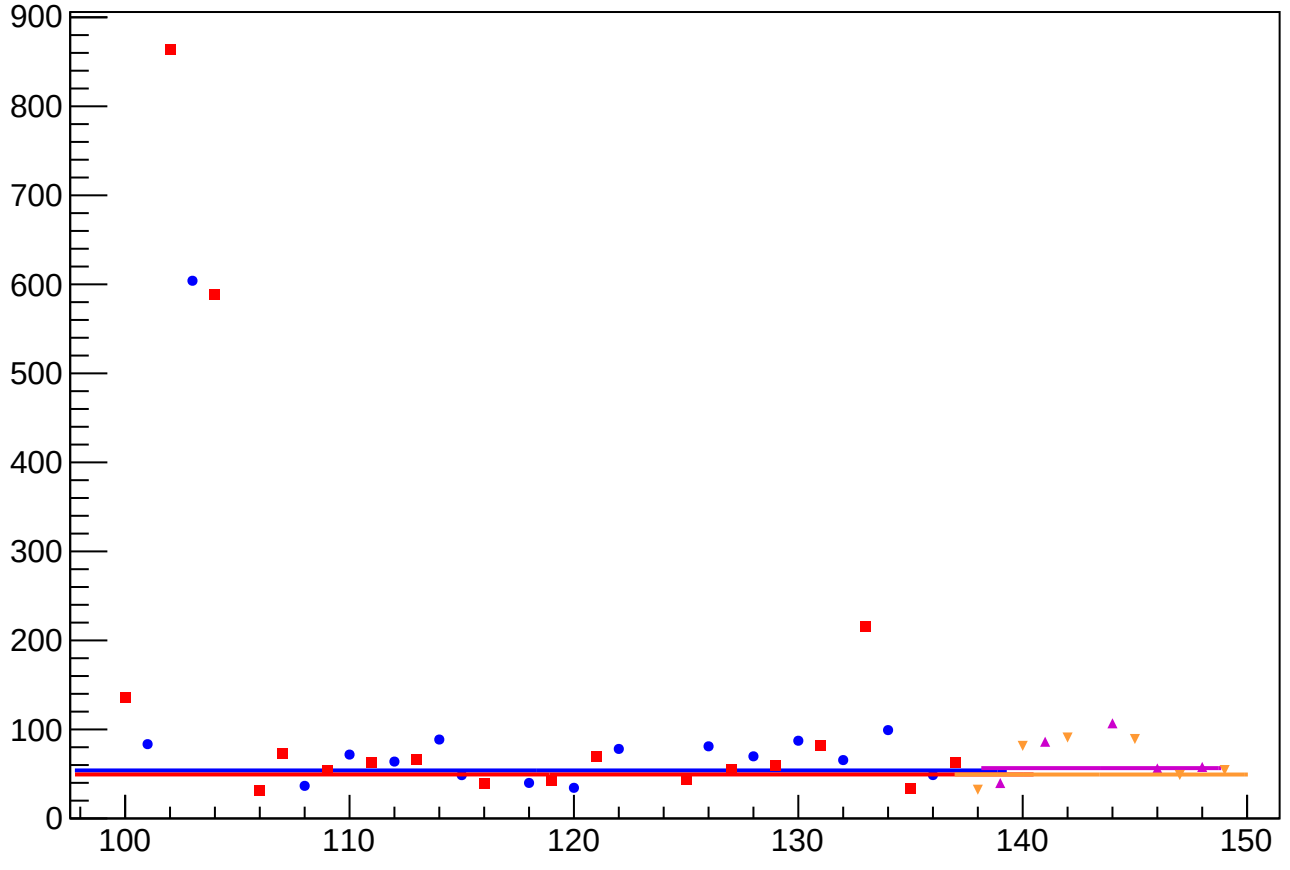
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.030 χ^2/NDF:4.1/4

+ sign -0.004+/-0.017 χ^2/NDF: 29.1/21

All: -0.006+/-0.012 χ^2/NDF: 46.9/44

- 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: 49.351+/-0.019 χ^2/NDF:1090283.4/5

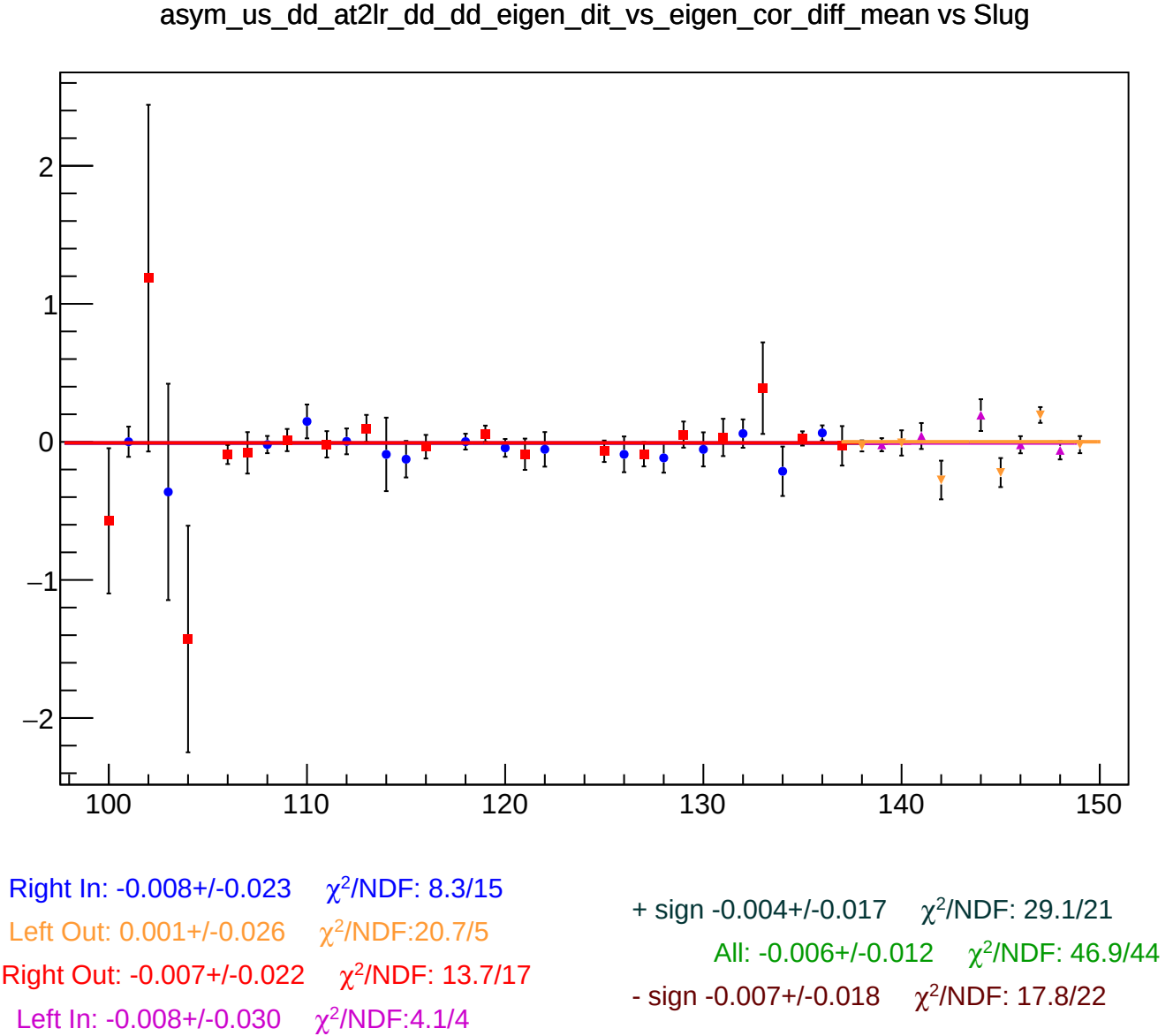
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

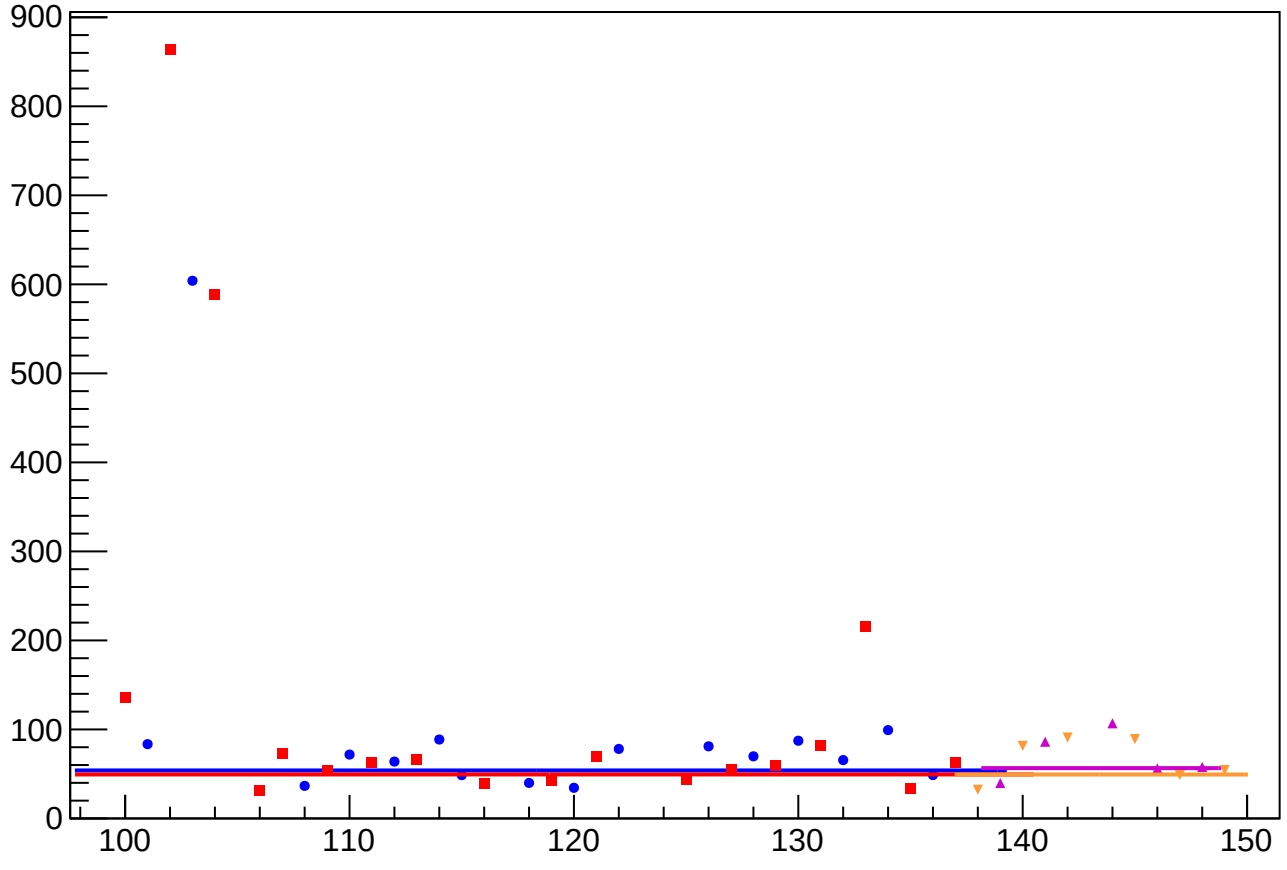
Left In: 56.542+/-0.021 χ^2/NDF:829982.0/4

+ sign 51.926+/-0.012 χ^2/NDF: 3338578.0/21

All: 51.940+/-0.009 χ^2/NDF: 7259044.6/44

- sign 51.955+/-0.013 χ^2/NDF: 3920464.0/22


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.008+/-0.023 χ²/NDF: 8.3/15
Left Out: 0.001+/-0.026 χ²/NDF:20.7/5
Right Out: -0.007+/-0.022 χ²/NDF: 13.7/17
Left In: -0.008+/-0.030 χ²/NDF:4.1/4
+ sign -0.004+/-0.017 χ²/NDF: 29.1/21
All: -0.006+/-0.012 χ²/NDF: 46.9/44
- sign -0.007+/-0.018 χ²/NDF: 17.8/22



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 49.351+/-0.019 χ^2/NDF:1090283.4/5

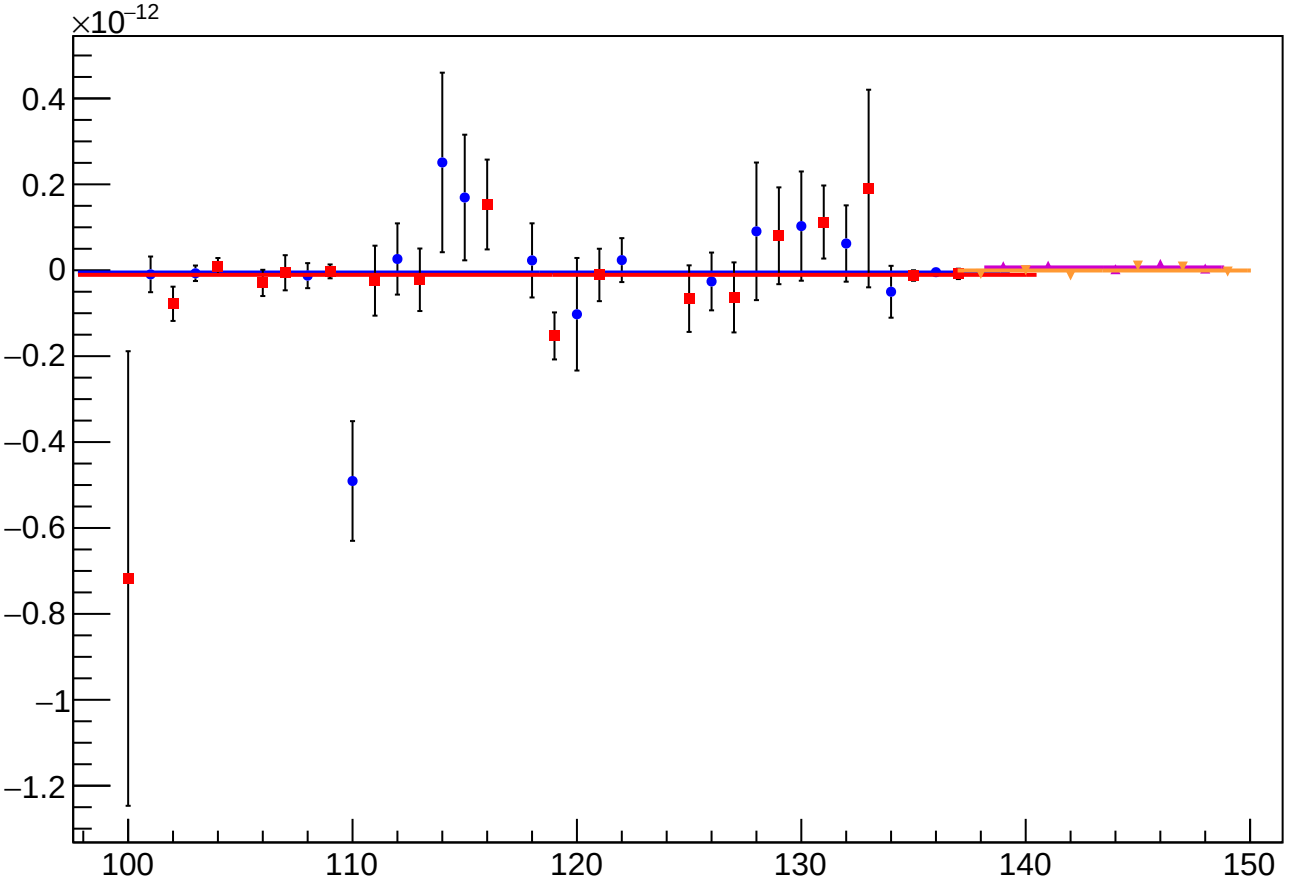
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.542+/-0.021 χ^2/NDF:829982.0/4

+ sign 51.926+/-0.012 χ^2/NDF: 3338578.0/21

All: 51.940+/-0.009 χ^2/NDF: 7259044.6/44

- 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:5.8/5

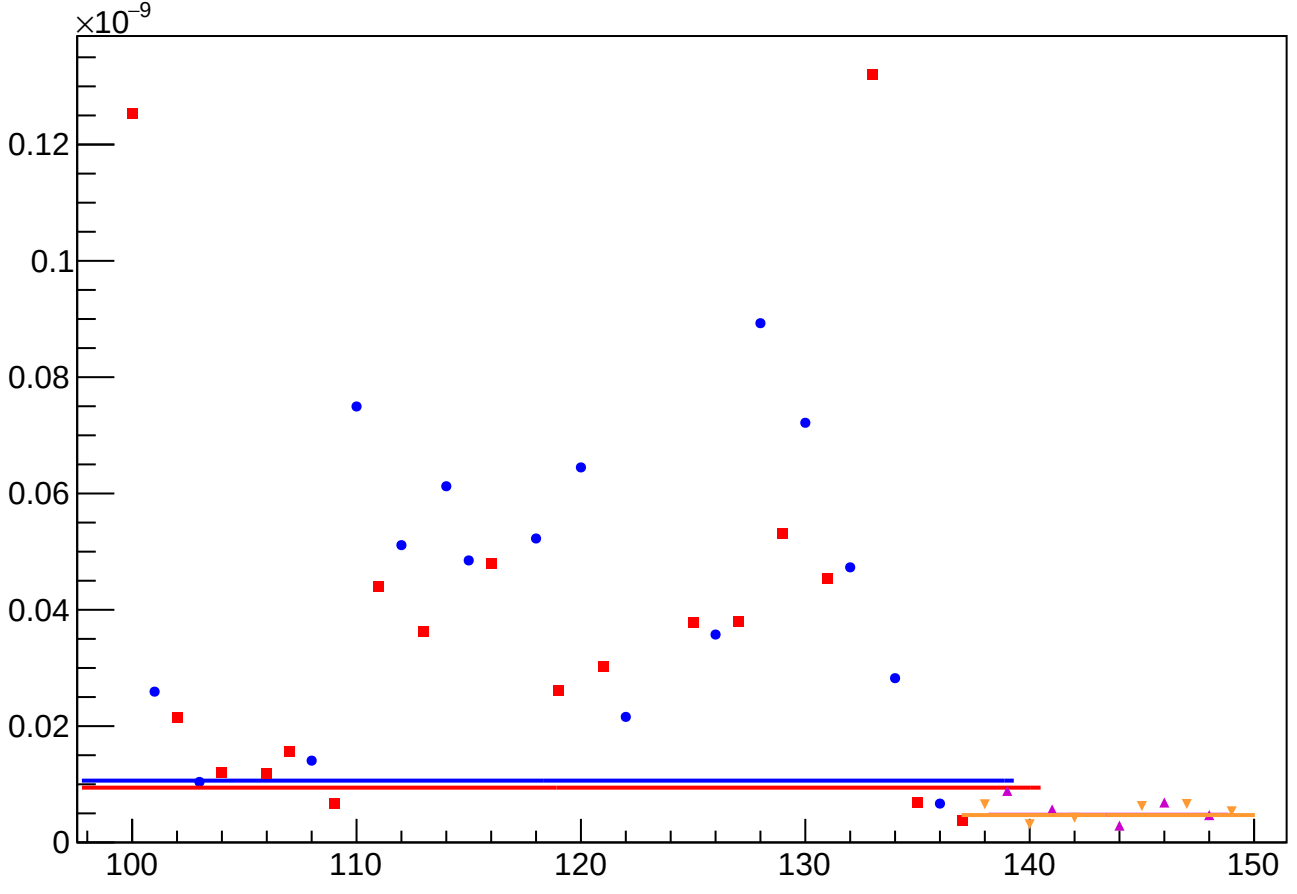
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 24.8/21

All: 0.000+/-0.000 χ^2/NDF: 54.1/44

- 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:508867.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

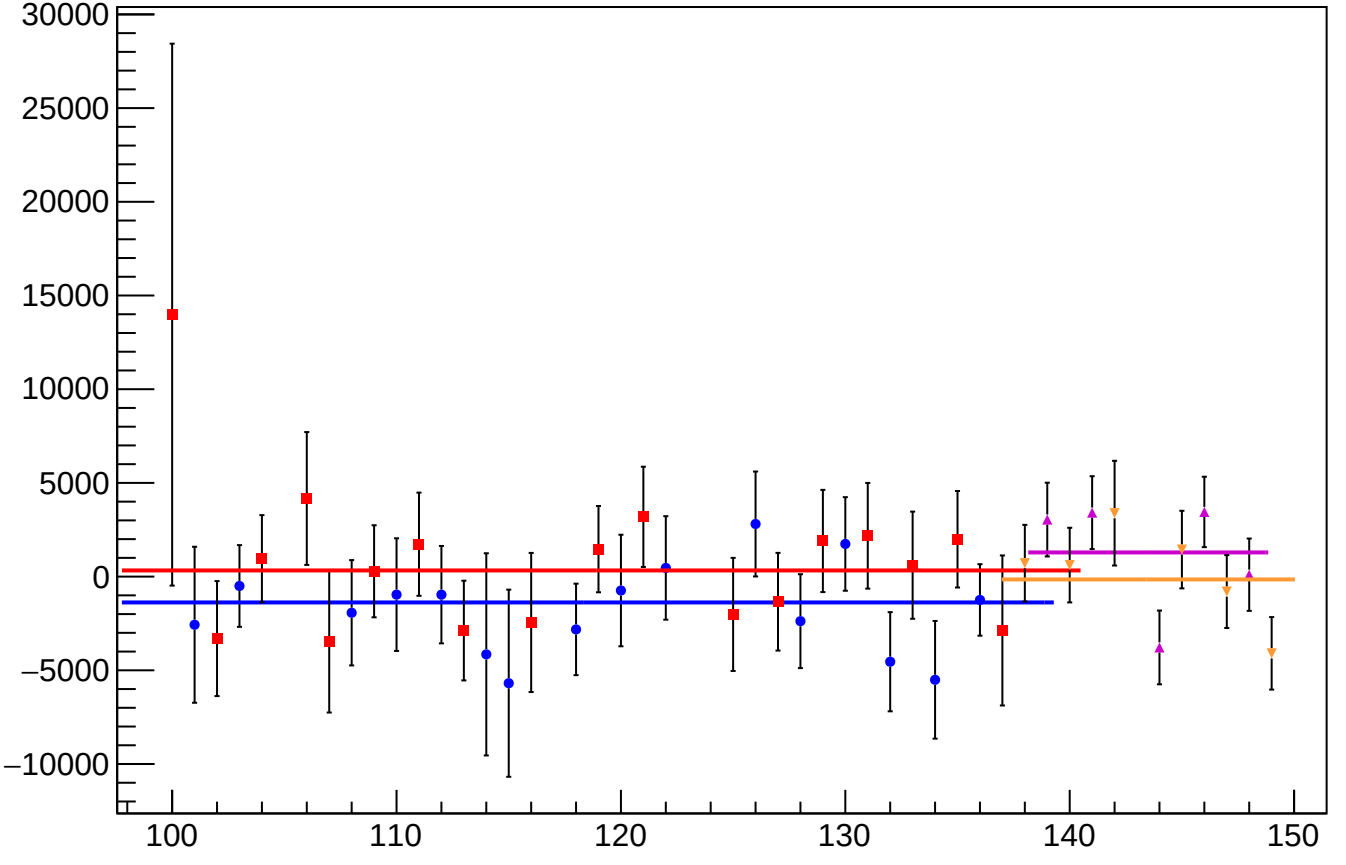
Left In: 0.000+/-0.000 χ^2/NDF:711127.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 6339153.8/21

All: 0.000+/-0.000 χ^2/NDF: 11922908.2/44

- 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: -150.685+/-849.882 χ^2/NDF:6.8/5

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

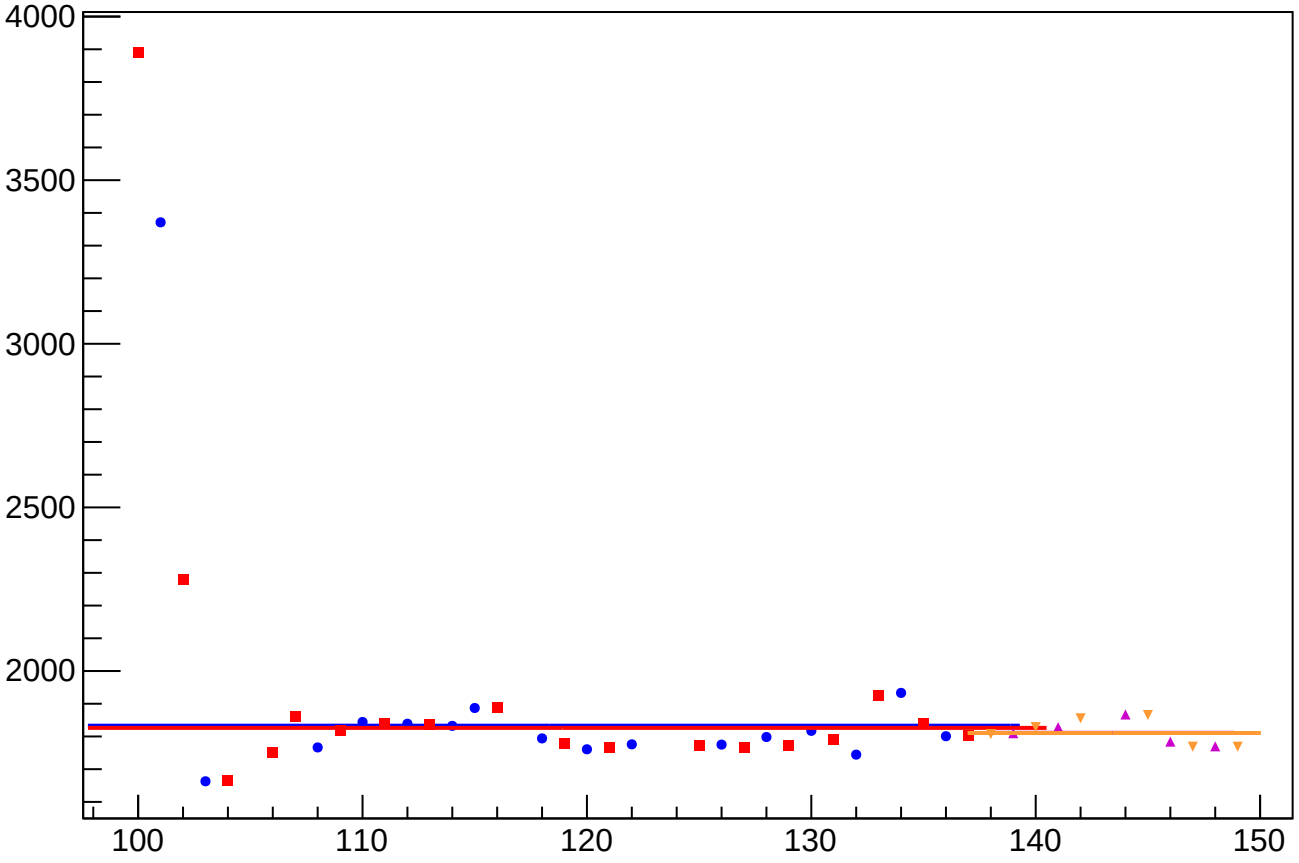
Left In: 1289.448+/-866.032 χ^2/NDF:10.3/4

+ sign -891.697+/-535.228 χ^2/NDF: 17.3/21

All: -99.184+/-378.989 χ^2/NDF: 43.9/44

- 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: 1810.580+/-0.601 χ^2/NDF:3954.4/5

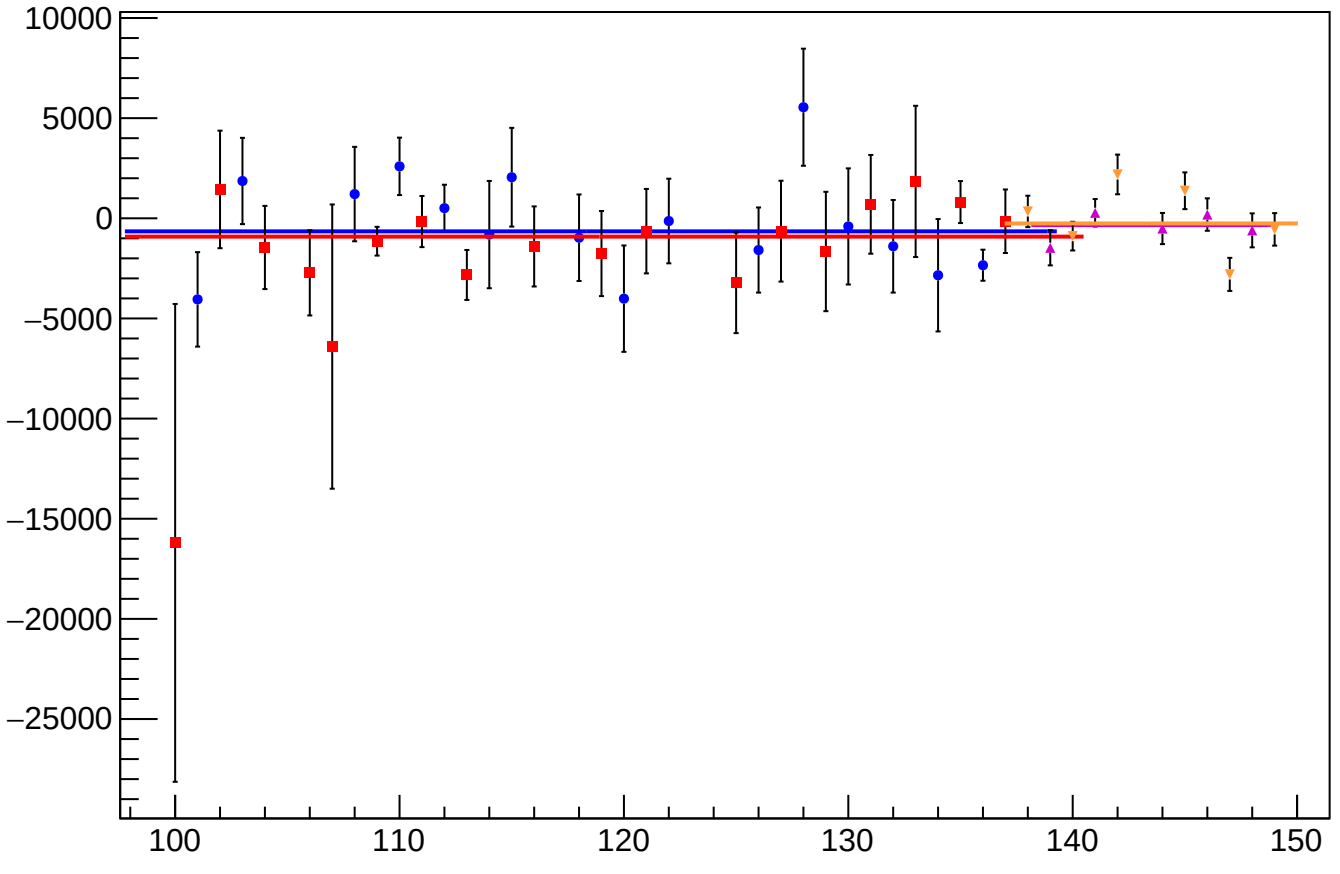
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1811.156+/-0.612 χ^2/NDF:3100.0/4

+ sign 1824.076+/-0.378 χ^2/NDF: 300229.6/21

All: 1822.256+/-0.268 χ^2/NDF: 406754.7/44

- 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: -257.567+/-337.604 χ^2/NDF:20.3/5

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

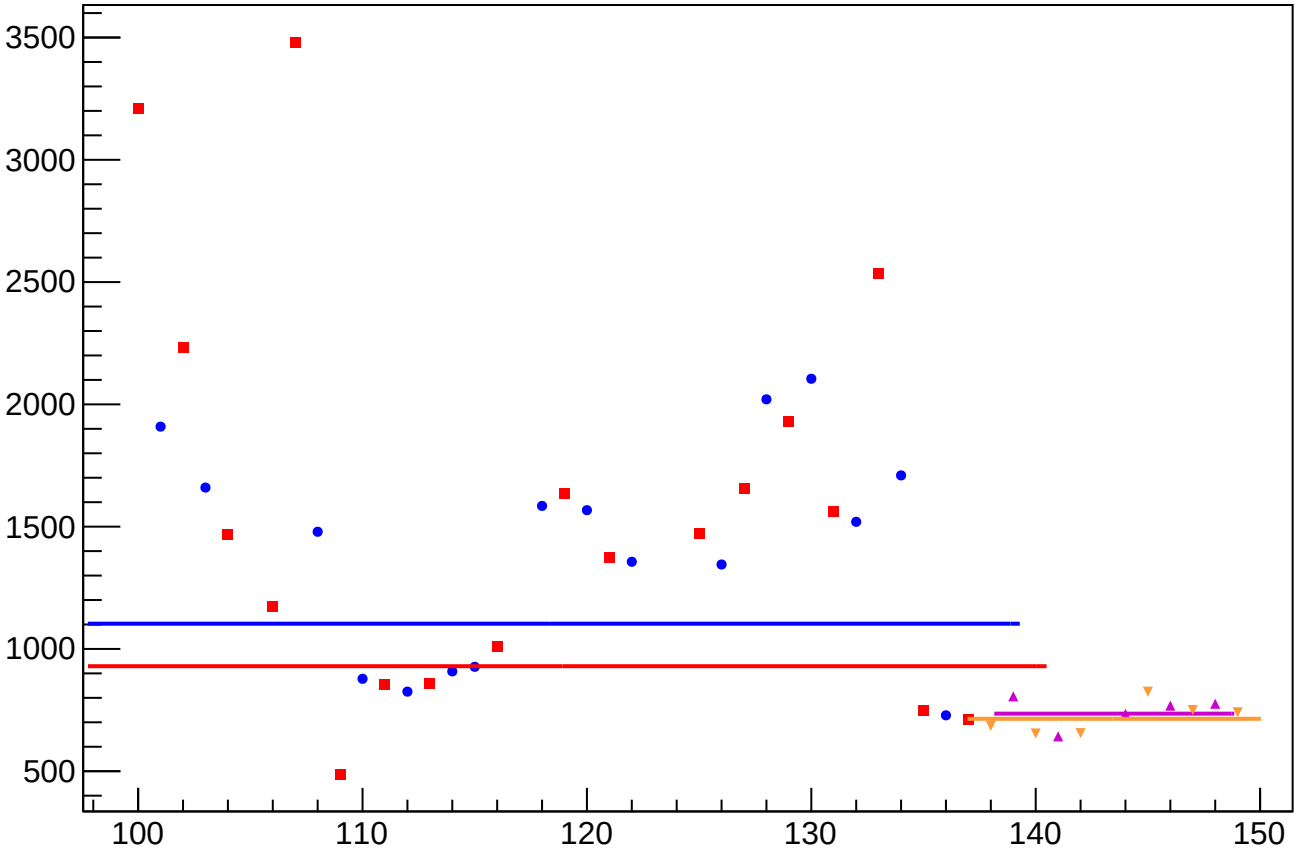
Left In: -339.766+/-354.002 χ^2/NDF:3.0/4

+ sign -402.820+/-268.325 χ^2/NDF: 44.0/21

All: -501.800+/-187.879 χ^2/NDF: 60.0/44

- 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: 714.348+/-0.239 χ^2/NDF:58870.9/5

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

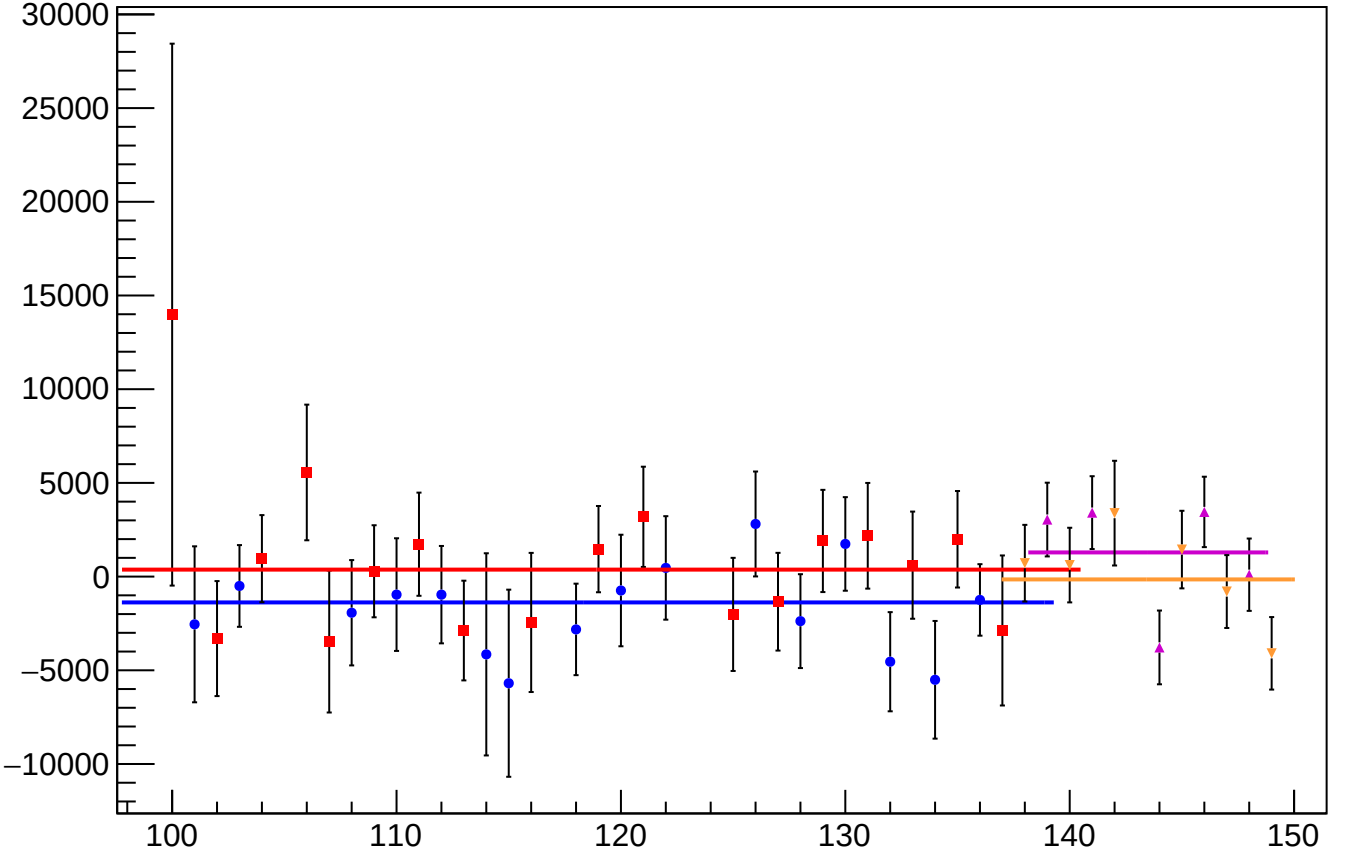
Left In: 735.369+/-0.250 χ^2/NDF:57405.0/4

\+ sign 857.560+/-0.190 χ^2/NDF: 2914185.8/21

All: 839.515+/-0.133 χ^2/NDF: 6312126.4/44

\- 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: -150.608+/-849.882 χ^2/NDF:6.8/5

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

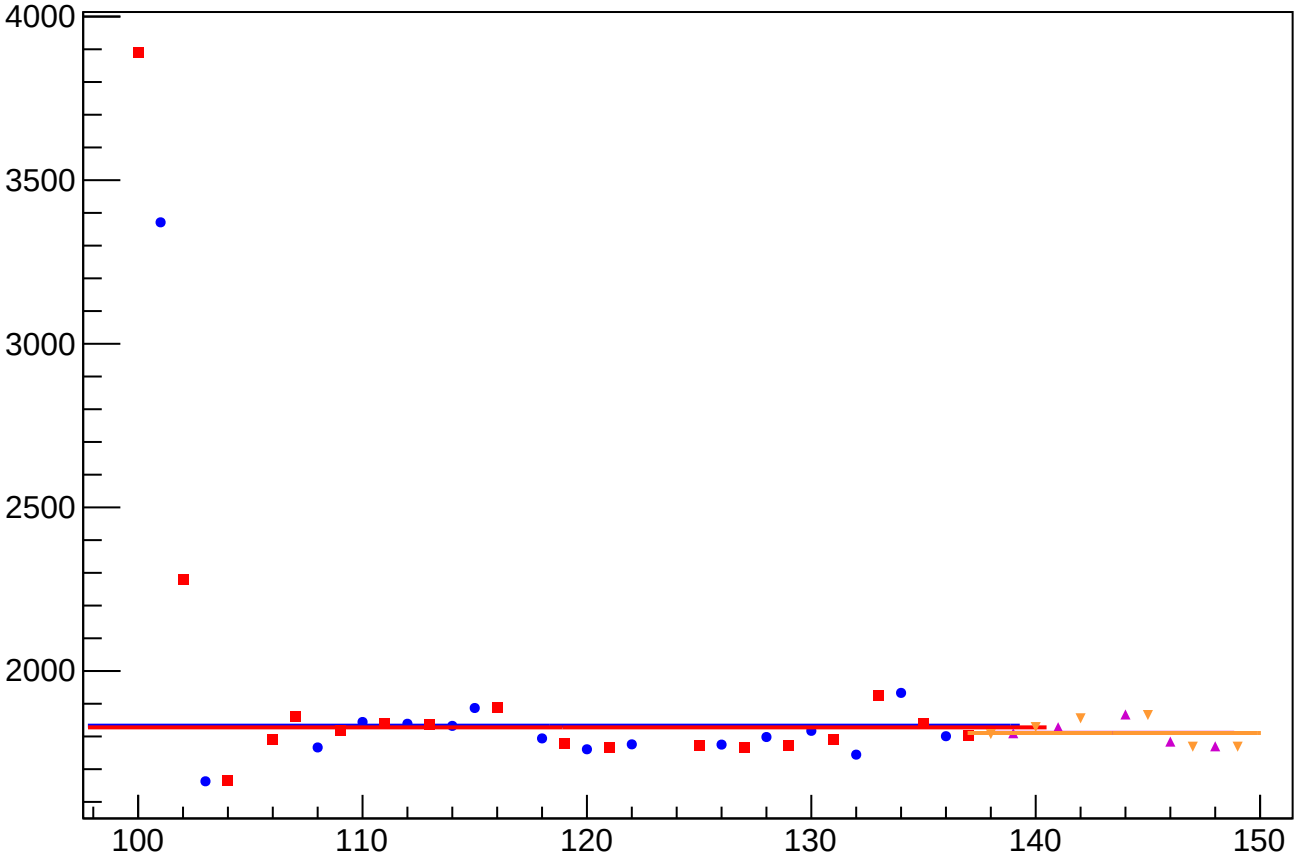
Left In: 1289.543+/-866.032 χ^2/NDF:10.3/4

+ sign -891.289+/-535.228 χ^2/NDF: 17.3/21

All: -85.735+/-379.077 χ^2/NDF: 44.9/44

- 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: 1810.580+/-0.601 χ^2/NDF:3954.4/5

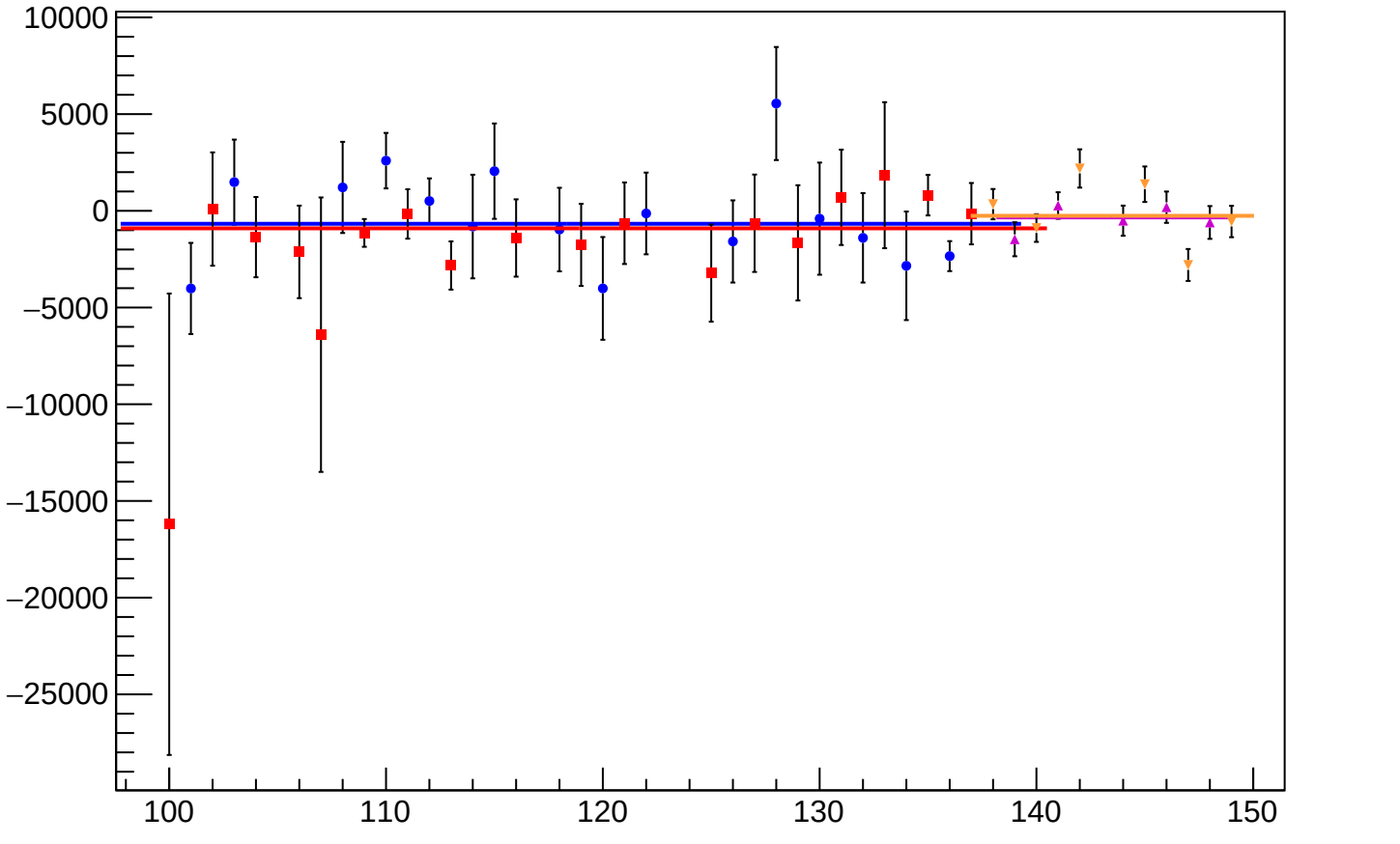
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1811.156+/-0.612 χ^2/NDF:3100.0/4

+ sign 1824.076+/-0.378 χ^2/NDF: 300231.5/21

All: 1822.738+/-0.268 χ^2/NDF: 406080.7/44

- 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: -257.678+/-337.608 χ^2/NDF:20.3/5

Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

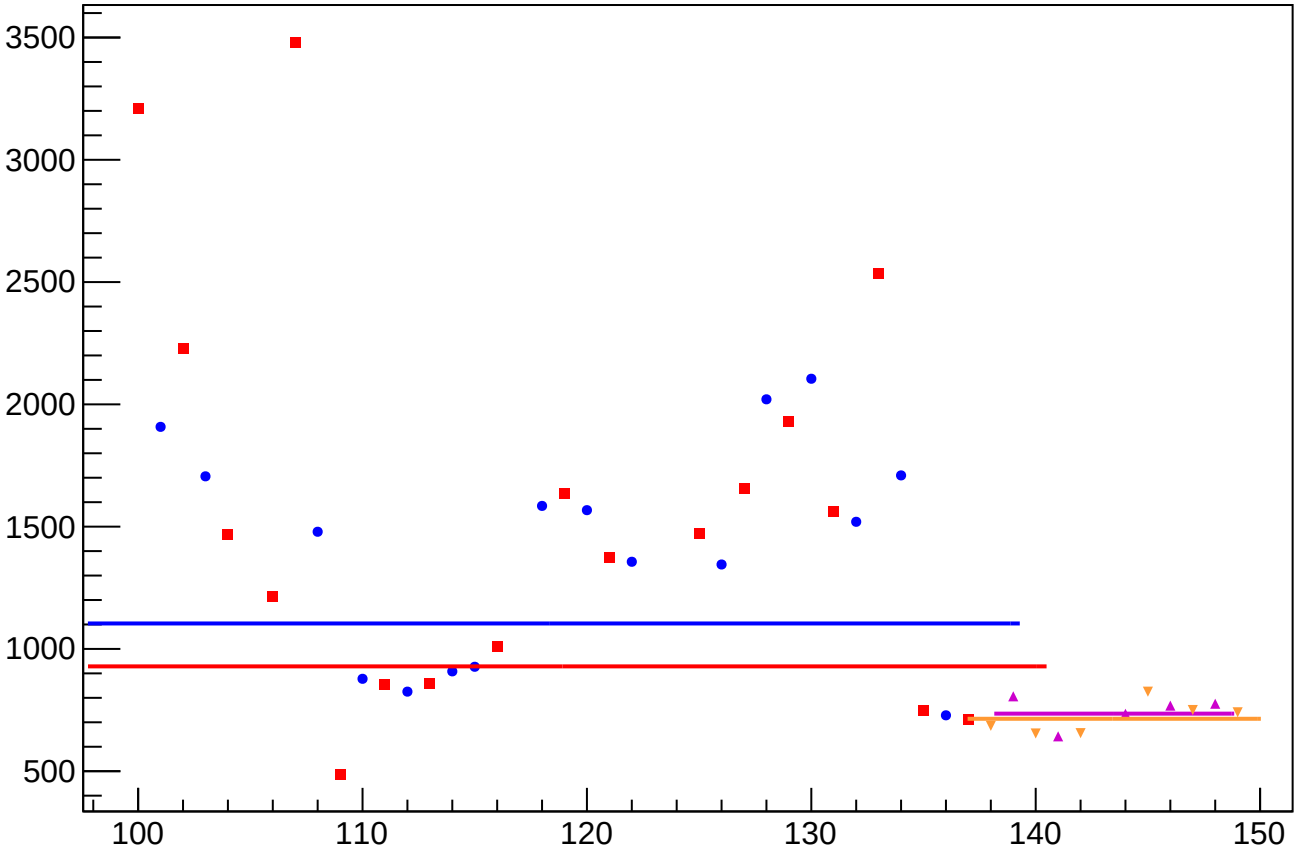
Left In: -339.722+/-354.002 χ^2/NDF:3.0/4

+ sign -409.580+/-268.409 χ^2/NDF: 43.6/21

All: -502.466+/-188.059 χ^2/NDF: 58.5/44

- 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: 714.357+/-0.239 χ^2/NDF:58866.8/5

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

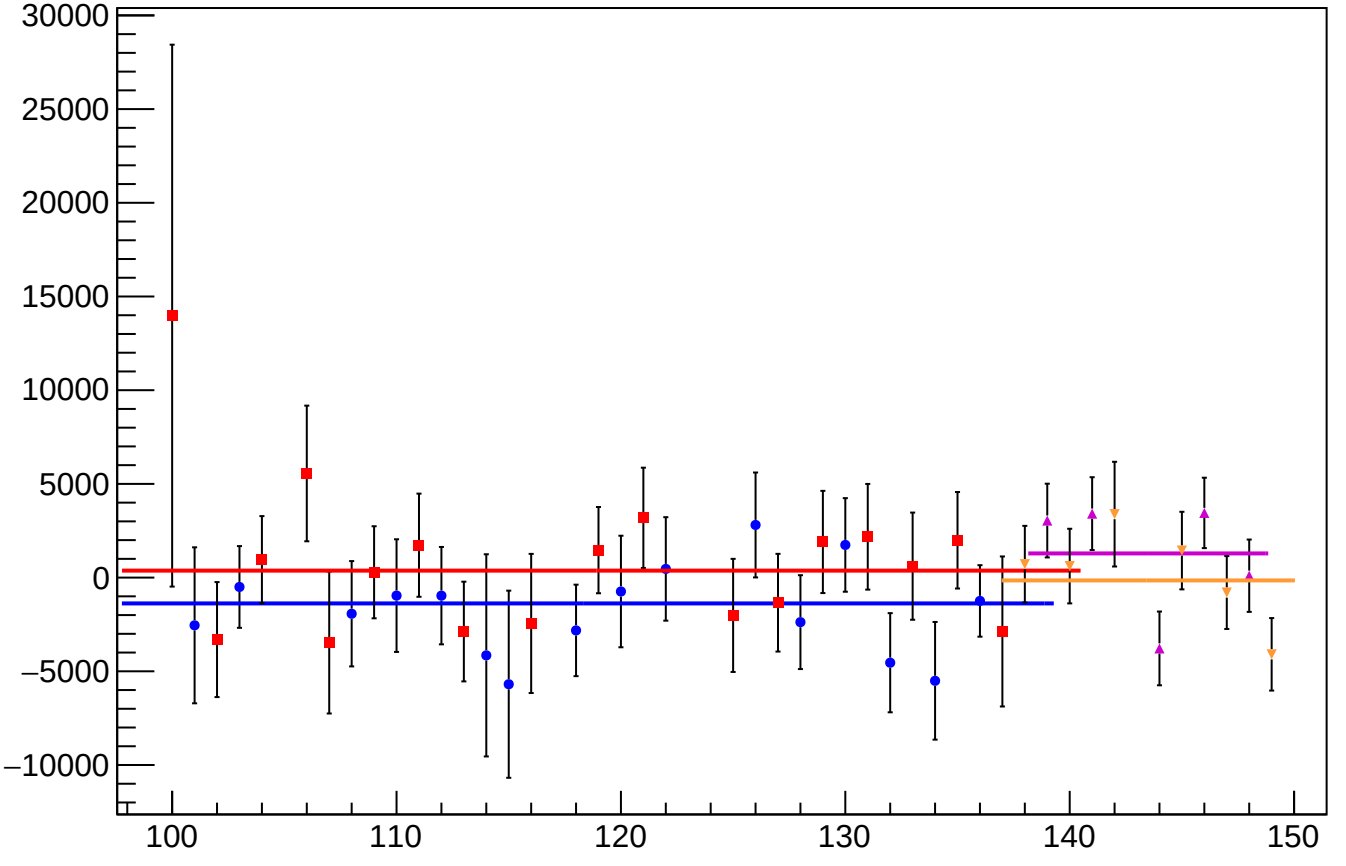
Left In: 735.368+/-0.250 χ^2/NDF:57428.6/4

+ sign 857.754+/-0.190 χ^2/NDF: 2934022.9/21

All: 839.295+/-0.133 χ^2/NDF: 6330061.7/44

- 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: -150.608+/-849.882 χ^2/NDF:6.8/5

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

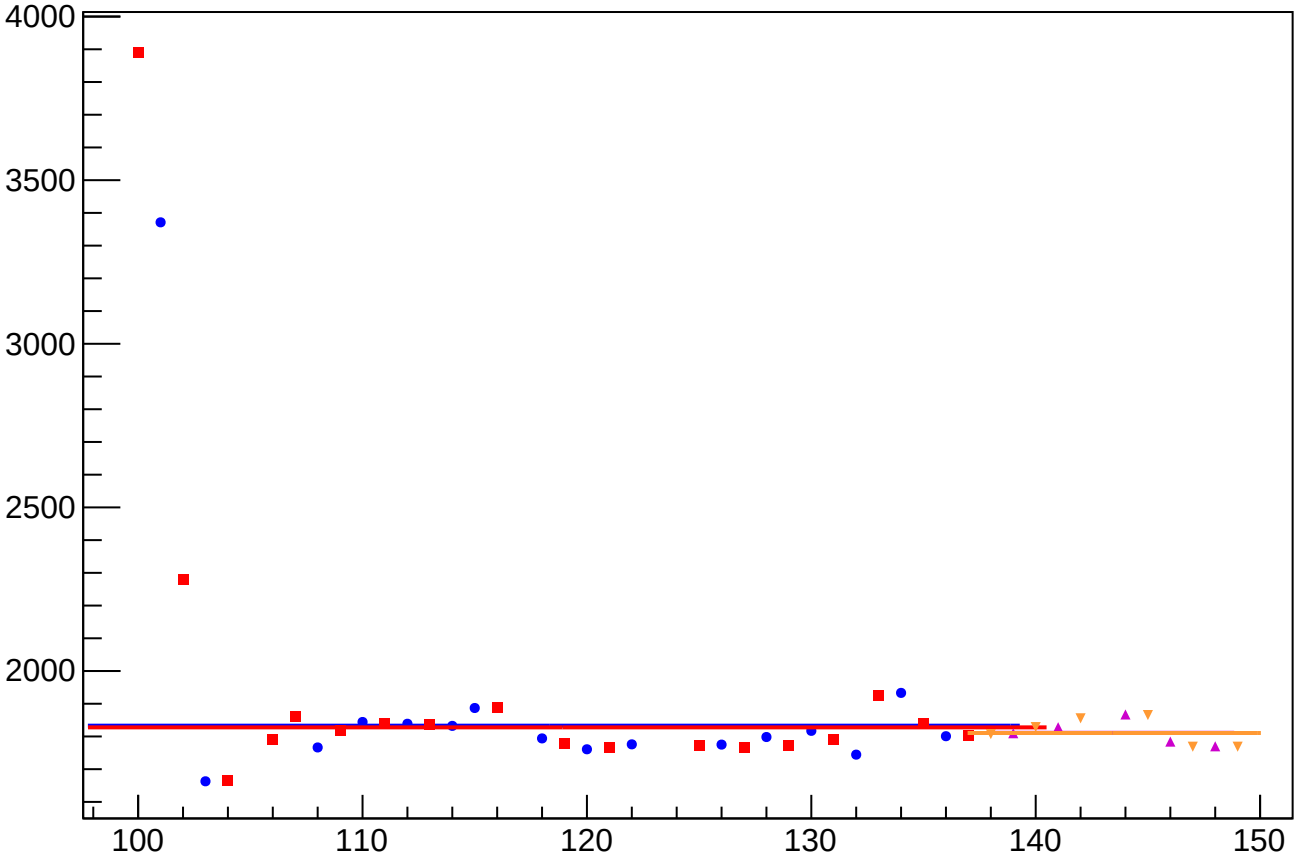
Left In: 1289.543+/-866.032 χ^2/NDF:10.3/4

+ sign -891.289+/-535.228 χ^2/NDF: 17.3/21

All: -85.735+/-379.077 χ^2/NDF: 44.9/44

- 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: 1810.580+/-0.601 χ^2/NDF:3954.4/5

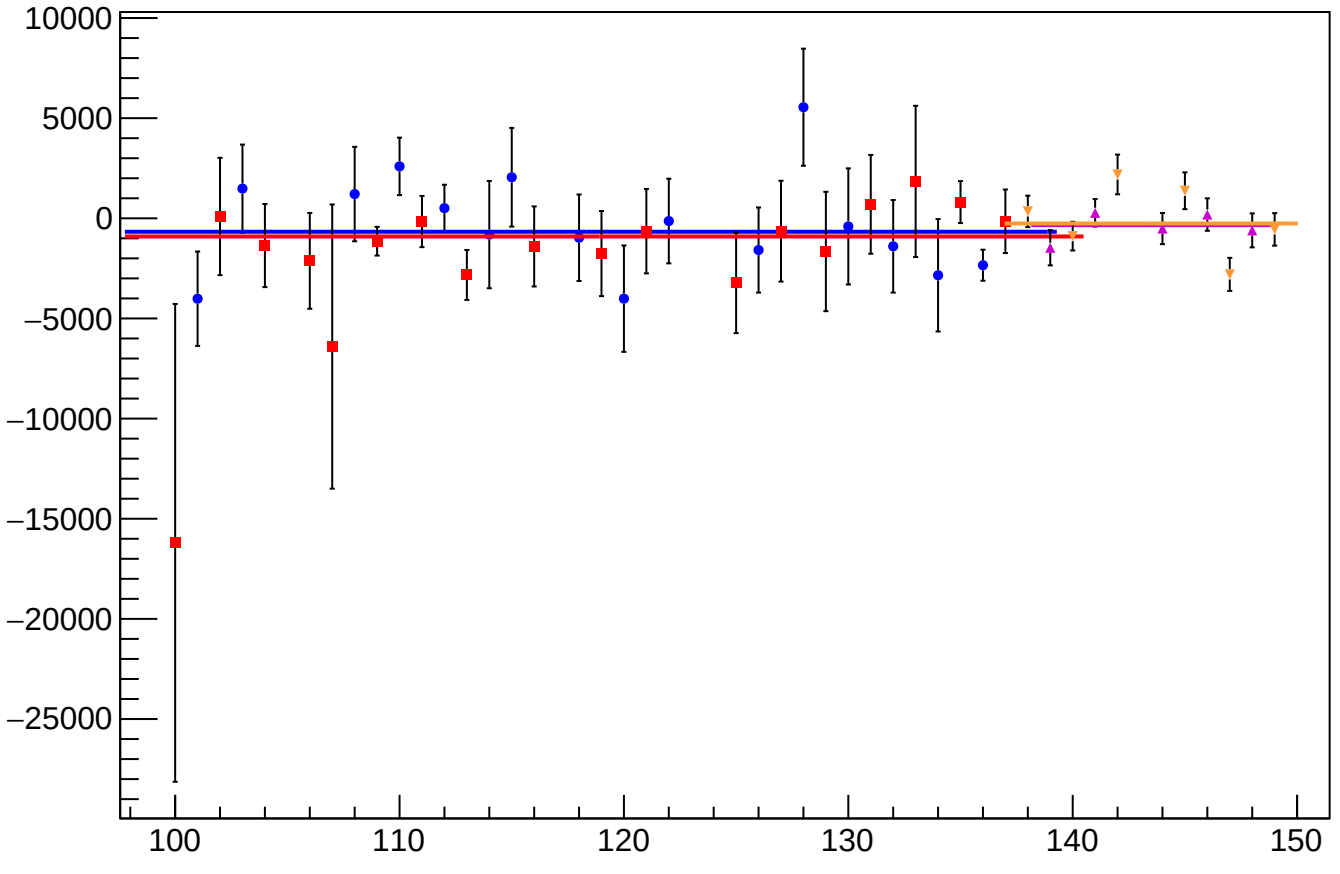
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1811.156+/-0.612 χ^2/NDF:3100.0/4

+ sign 1824.076+/-0.378 χ^2/NDF: 300231.5/21

All: 1822.738+/-0.268 χ^2/NDF: 406080.7/44

- 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: -257.678+/-337.608 χ^2/NDF:20.3/5

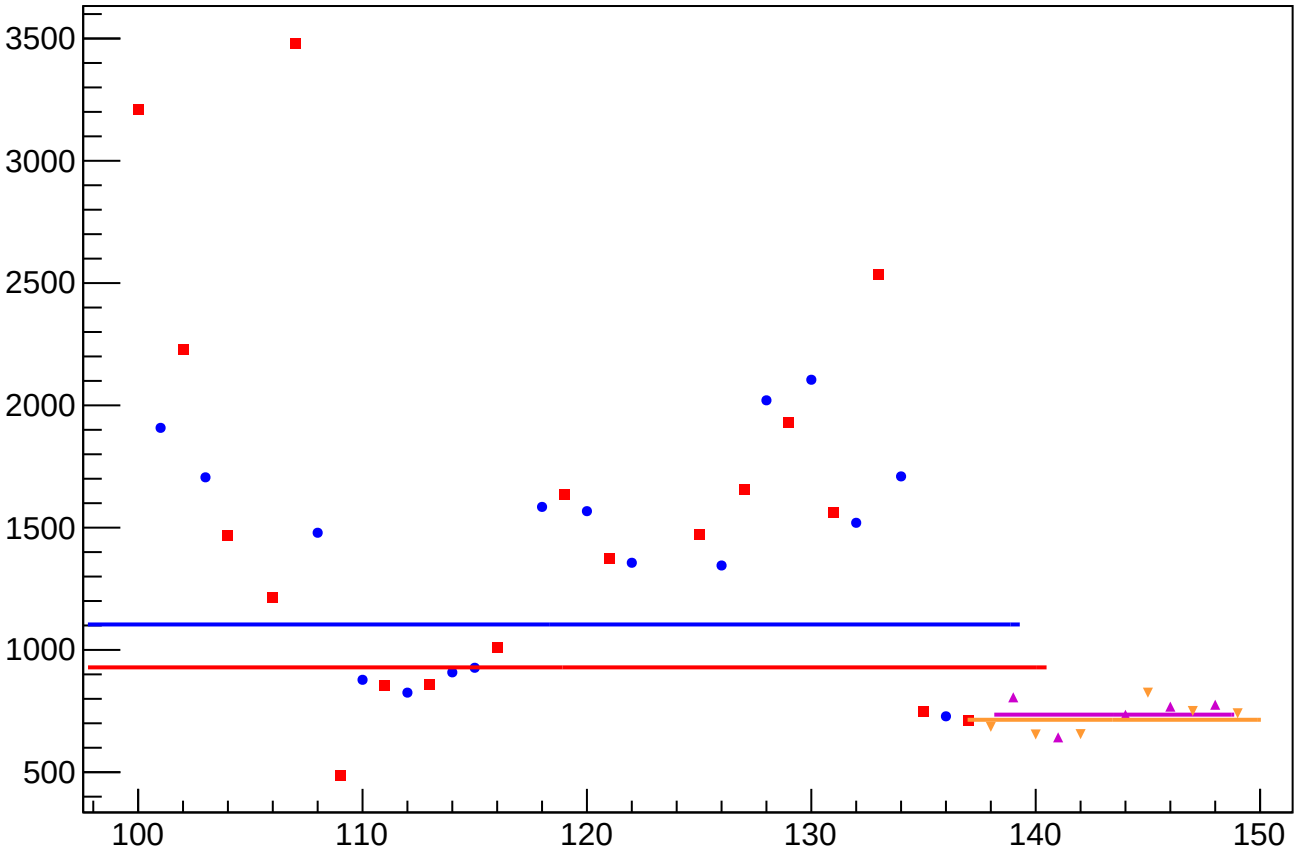
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -339.722+/-354.002 χ^2/NDF:3.0/4

\+ sign -409.580+/-268.409 χ^2/NDF: 43.6/21

All: -502.466+/-188.059 χ^2/NDF: 58.5/44

\- 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: 714.357+/-0.239 χ^2/NDF:58866.8/5

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

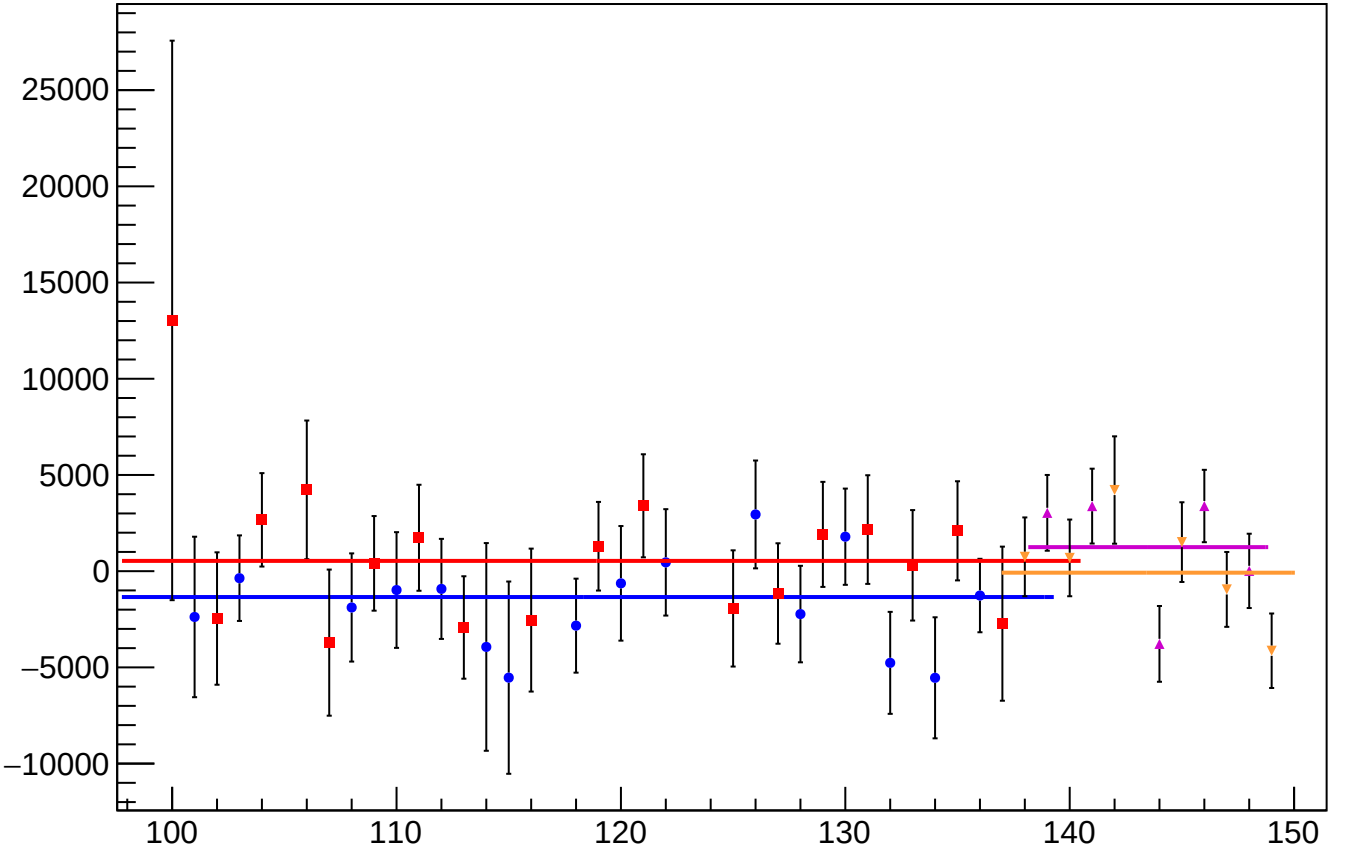
Left In: 735.368+/-0.250 χ^2/NDF:57428.6/4

+ sign 857.754+/-0.190 χ^2/NDF: 2934022.9/21

All: 839.295+/-0.133 χ^2/NDF: 6330061.7/44

- 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: -78.719+/-850.300 χ^2/NDF:7.9/5

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

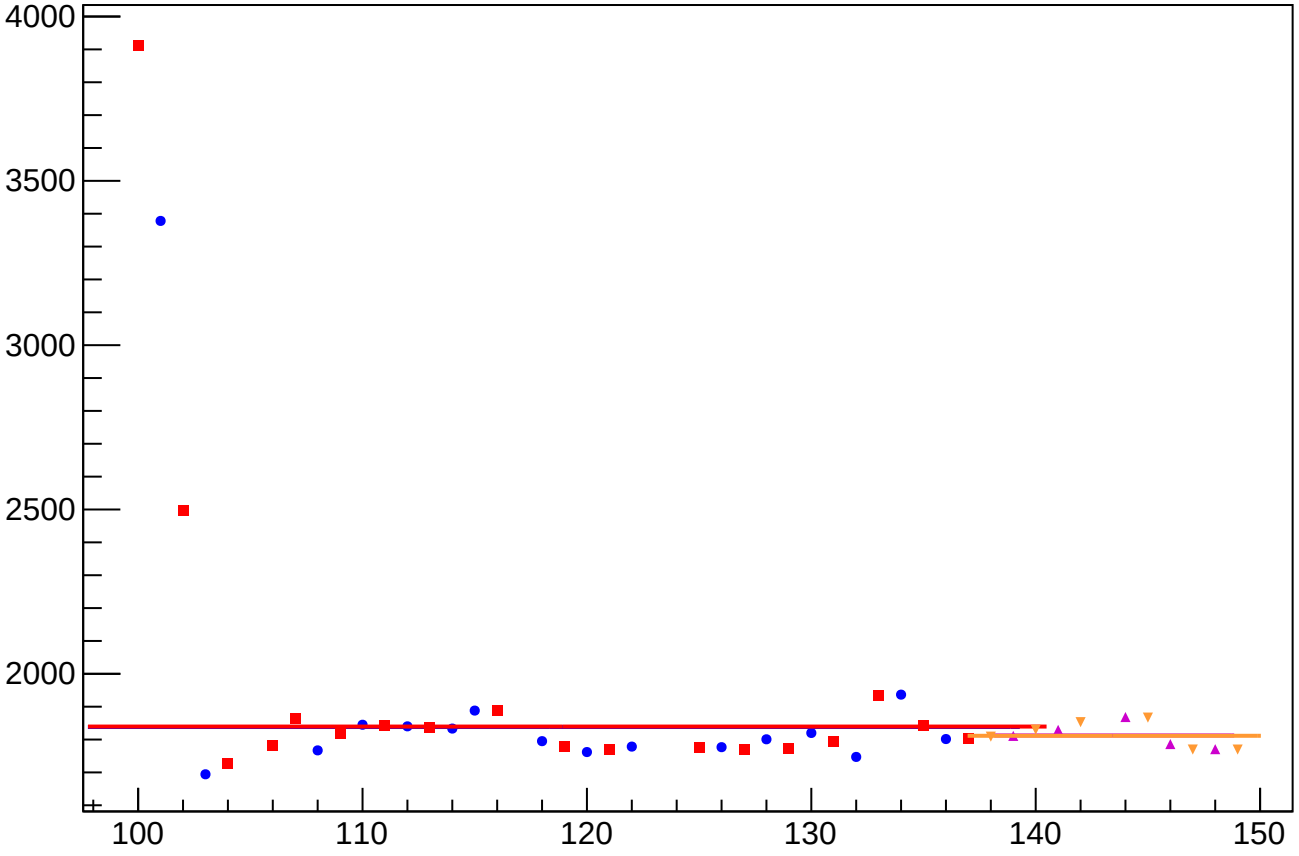
Left In: 1249.537+/-866.672 χ^2/NDF:10.2/4

+ sign -840.773+/-536.226 χ^2/NDF: 18.8/21

All: -20.511+/-380.593 χ^2/NDF: 45.3/44

- 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: 1811.442+/-0.601 χ^2/NDF:3905.2/5

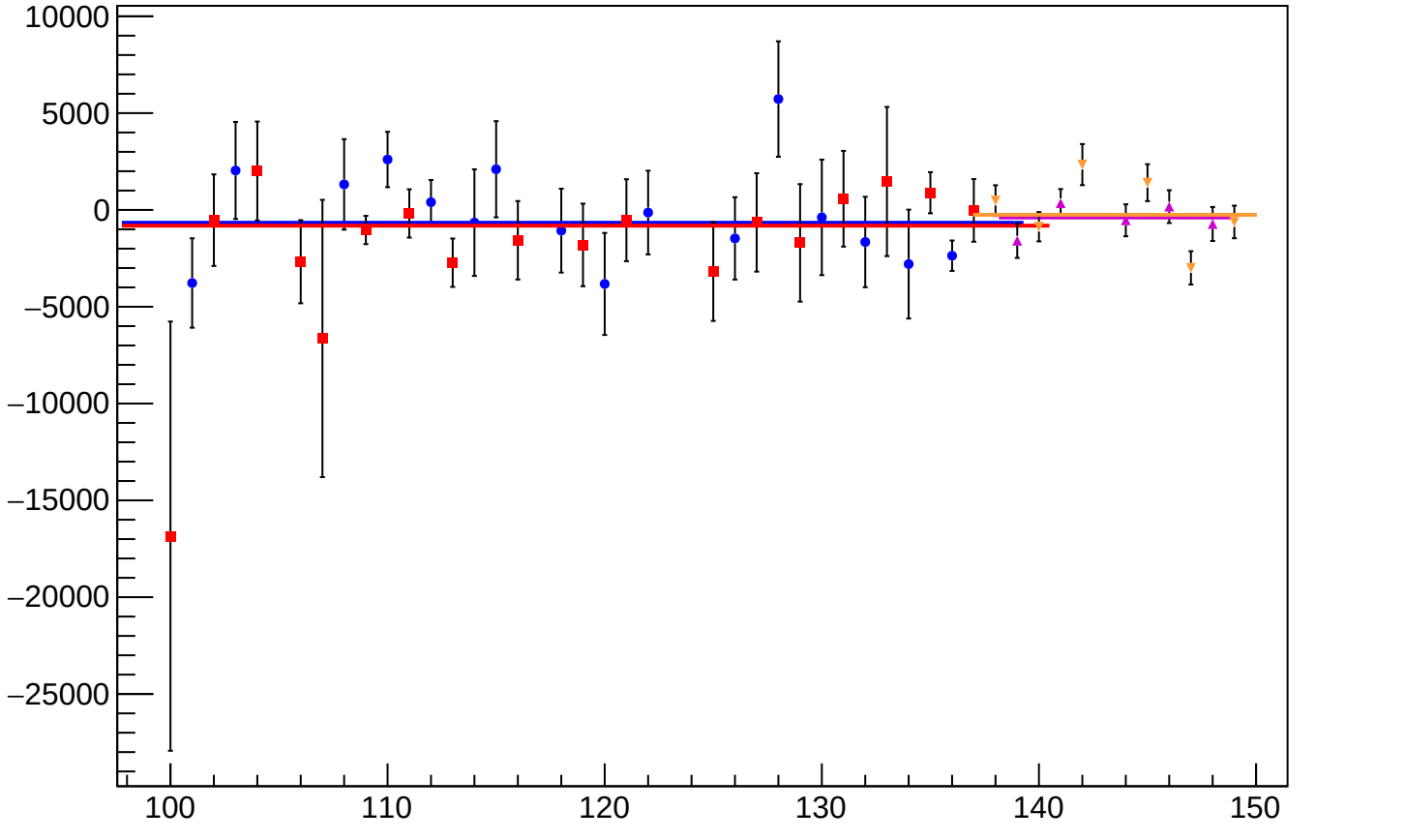
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1812.492+/-0.613 χ^2/NDF:3094.8/4

+ sign 1827.534+/-0.379 χ^2/NDF: 297078.5/21

All: 1828.269+/-0.269 χ^2/NDF: 429623.4/44

- 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: -251.689+/-351.823 χ^2/NDF:20.8/5

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

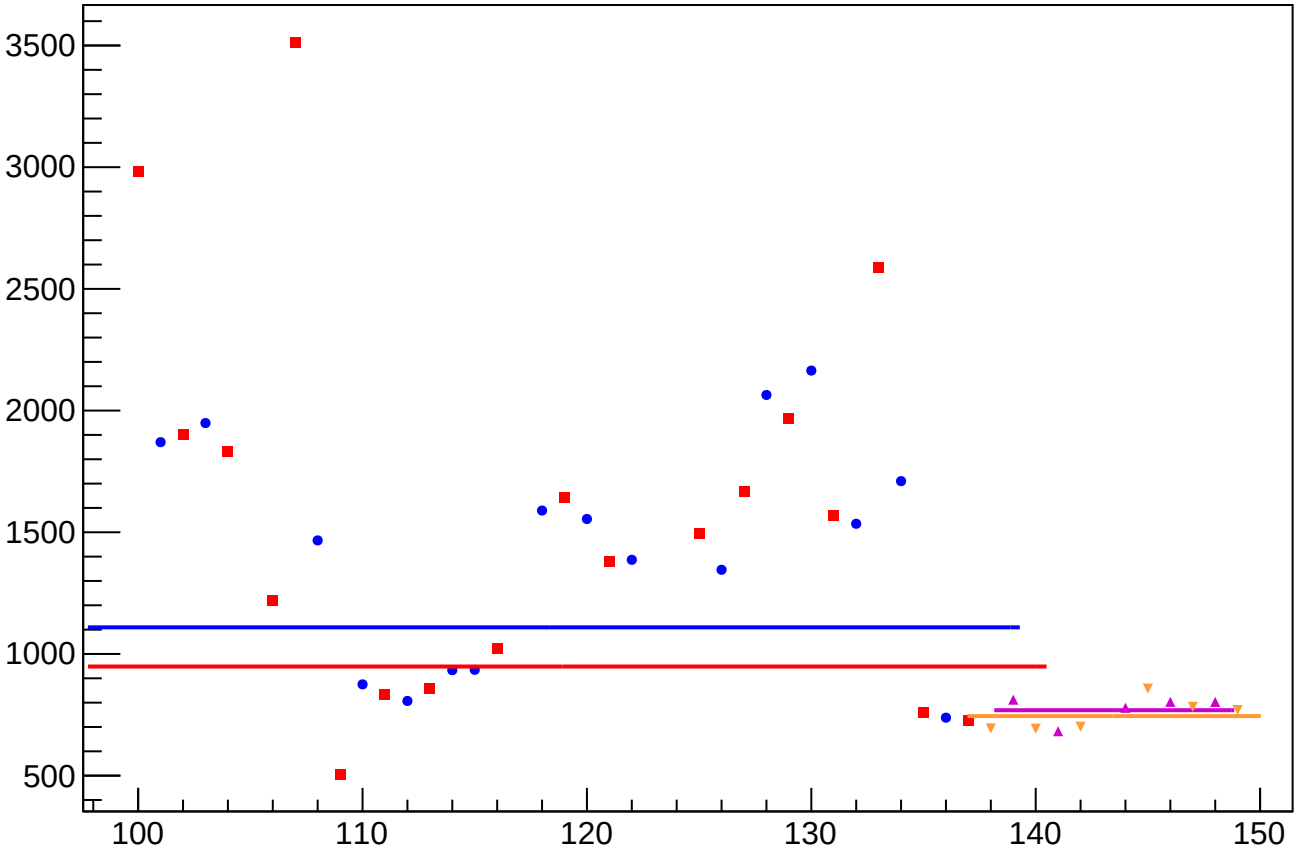
Left In: -389.920+/-369.643 χ^2/NDF:3.5/4

\+ sign -409.689+/-276.202 χ^2/NDF: 44.1/21

All: -499.605+/-193.290 χ^2/NDF: 60.7/44

\- sign -585.906+/-270.591 χ^2/NDF: 16.3/22

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 744.762+/-0.249 χ^2/NDF:54531.9/5

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

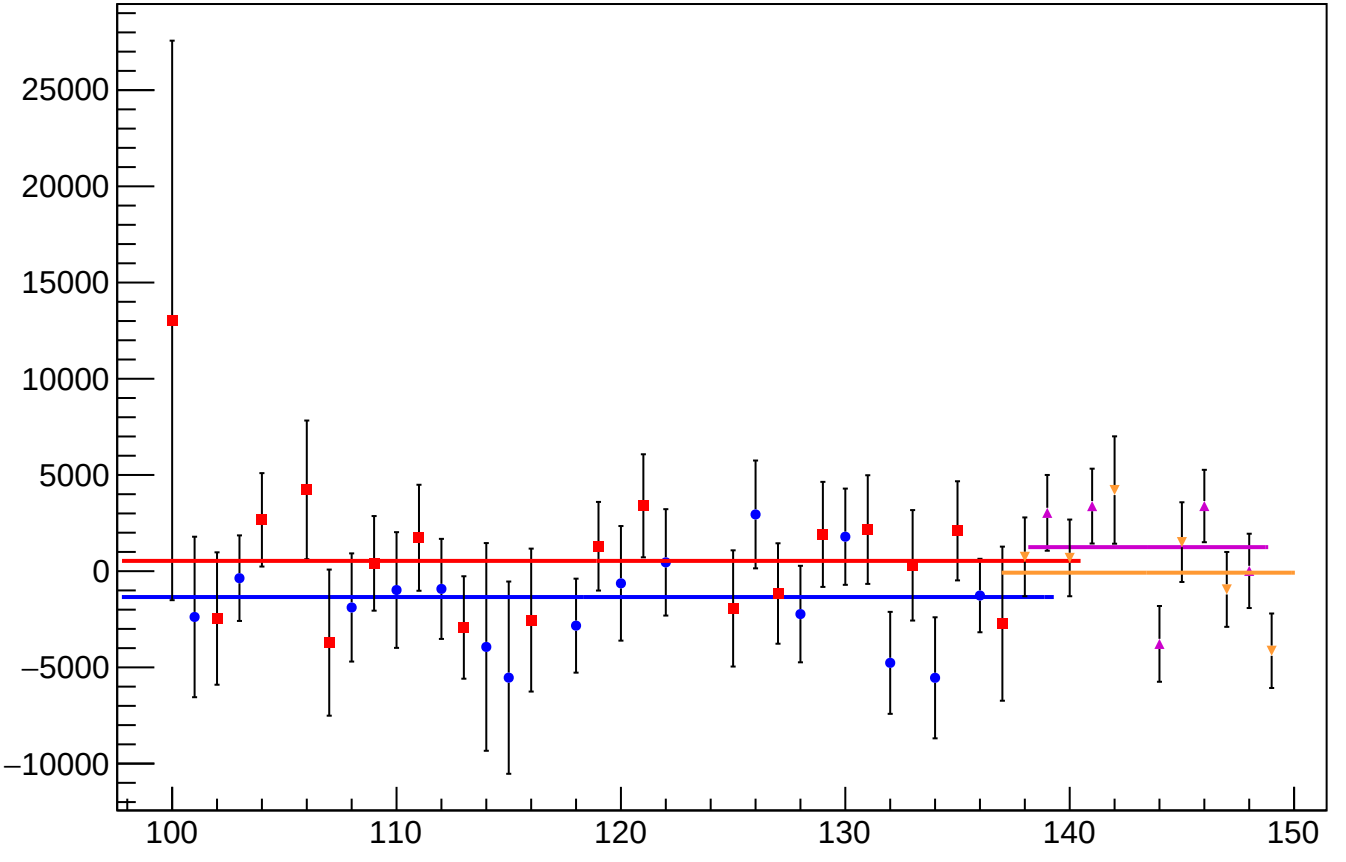
Left In: 768.875+/-0.261 χ^2/NDF:39568.7/4

+ sign 884.652+/-0.195 χ^2/NDF: 2852006.7/21

All: 868.101+/-0.137 χ^2/NDF: 6178368.9/44

- 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: -78.718+/-850.300 χ^2/NDF:7.9/5

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

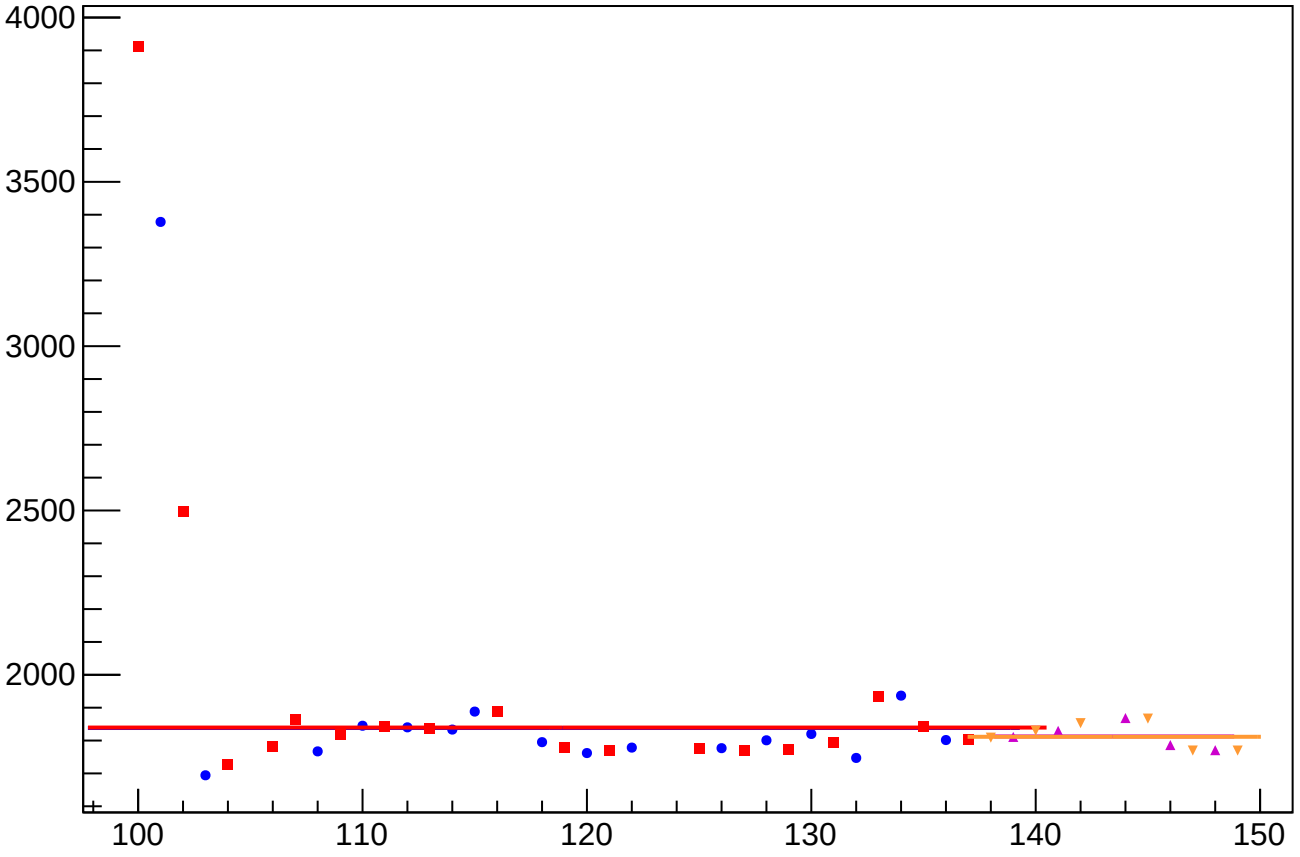
Left In: 1249.532+/-866.672 χ^2/NDF:10.2/4

+ sign -840.774+/-536.226 χ^2/NDF: 18.8/21

All: -20.511+/-380.593 χ^2/NDF: 45.3/44

- 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: 1811.442+/-0.601 χ^2/NDF:3905.2/5

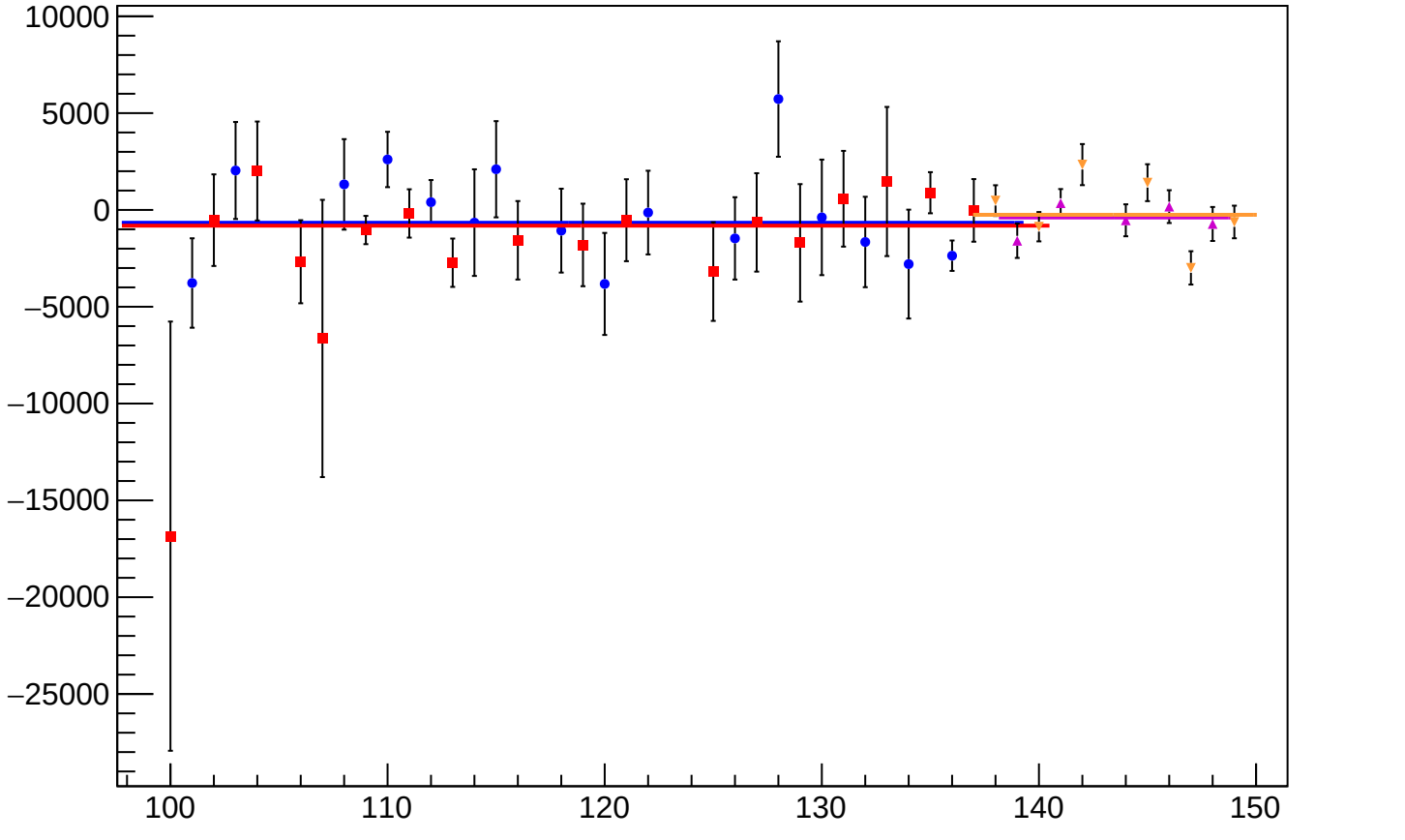
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1812.492+/-0.613 χ^2/NDF:3094.8/4

+ sign 1827.534+/-0.379 χ^2/NDF: 297078.5/21

All: 1828.269+/-0.269 χ^2/NDF: 429623.4/44

- 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: -251.695+/-351.824 χ^2/NDF:20.8/5

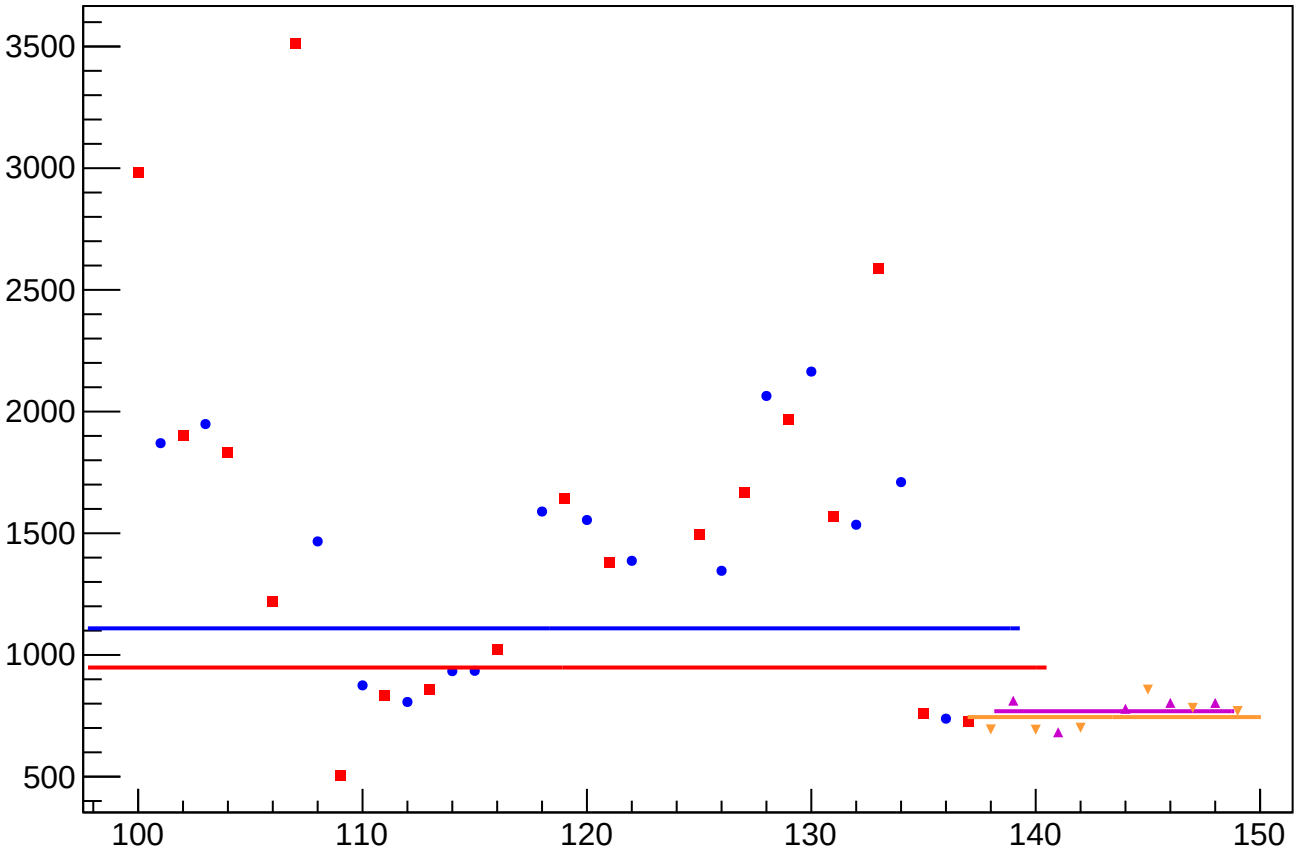
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -389.917+/-369.643 χ^2/NDF:3.5/4

\+ sign -409.688+/-276.203 χ^2/NDF: 44.1/21

All: -499.606+/-193.290 χ^2/NDF: 60.7/44

\- 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: 744.766+/-0.249 χ^2/NDF:54524.6/5

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

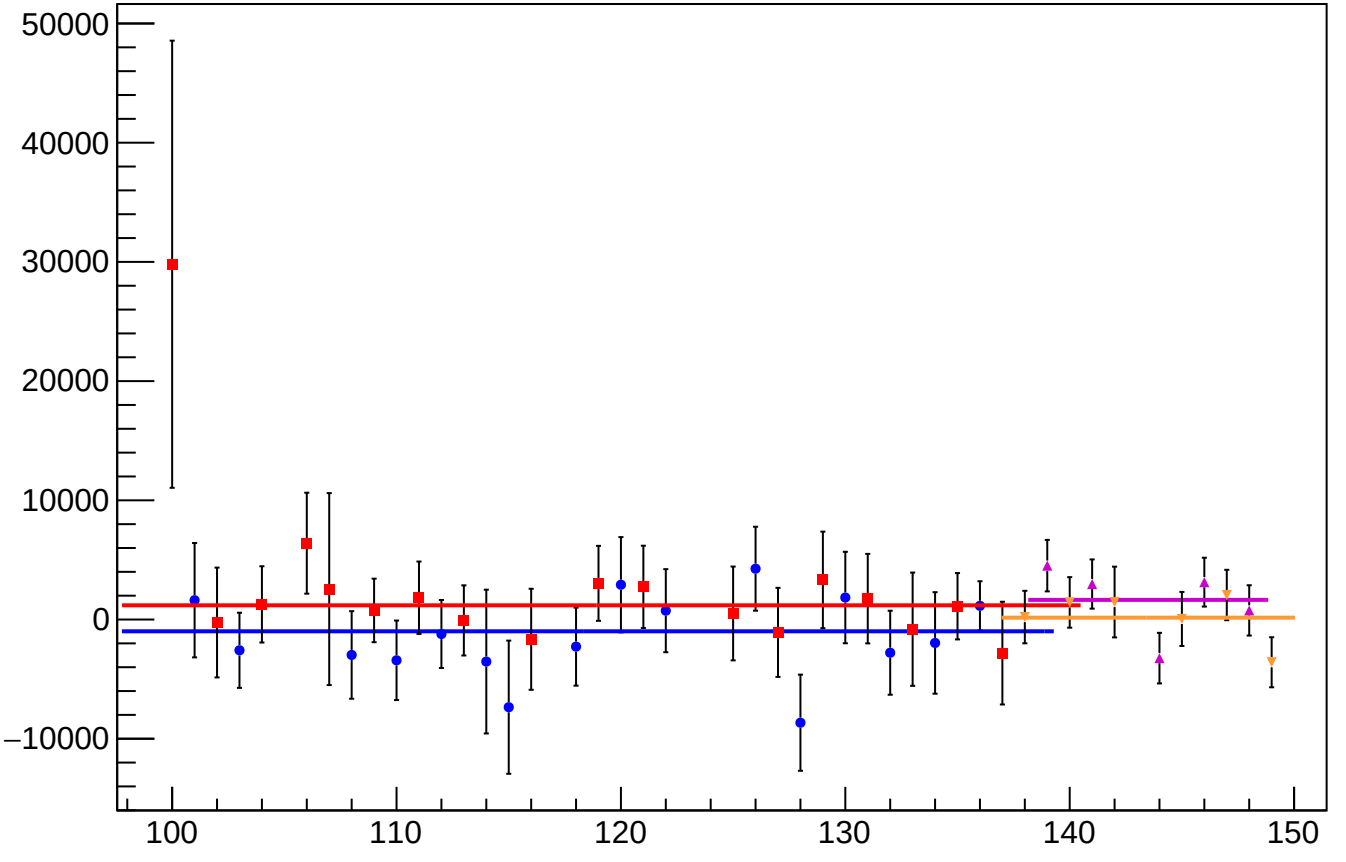
Left In: 768.876+/-0.261 χ^2/NDF:39569.1/4

+ sign 884.657+/-0.195 χ^2/NDF: 2851949.9/21

All: 868.104+/-0.137 χ^2/NDF: 6178289.9/44

- 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: 155.503+/-917.578 χ^2/NDF:4.5/5

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

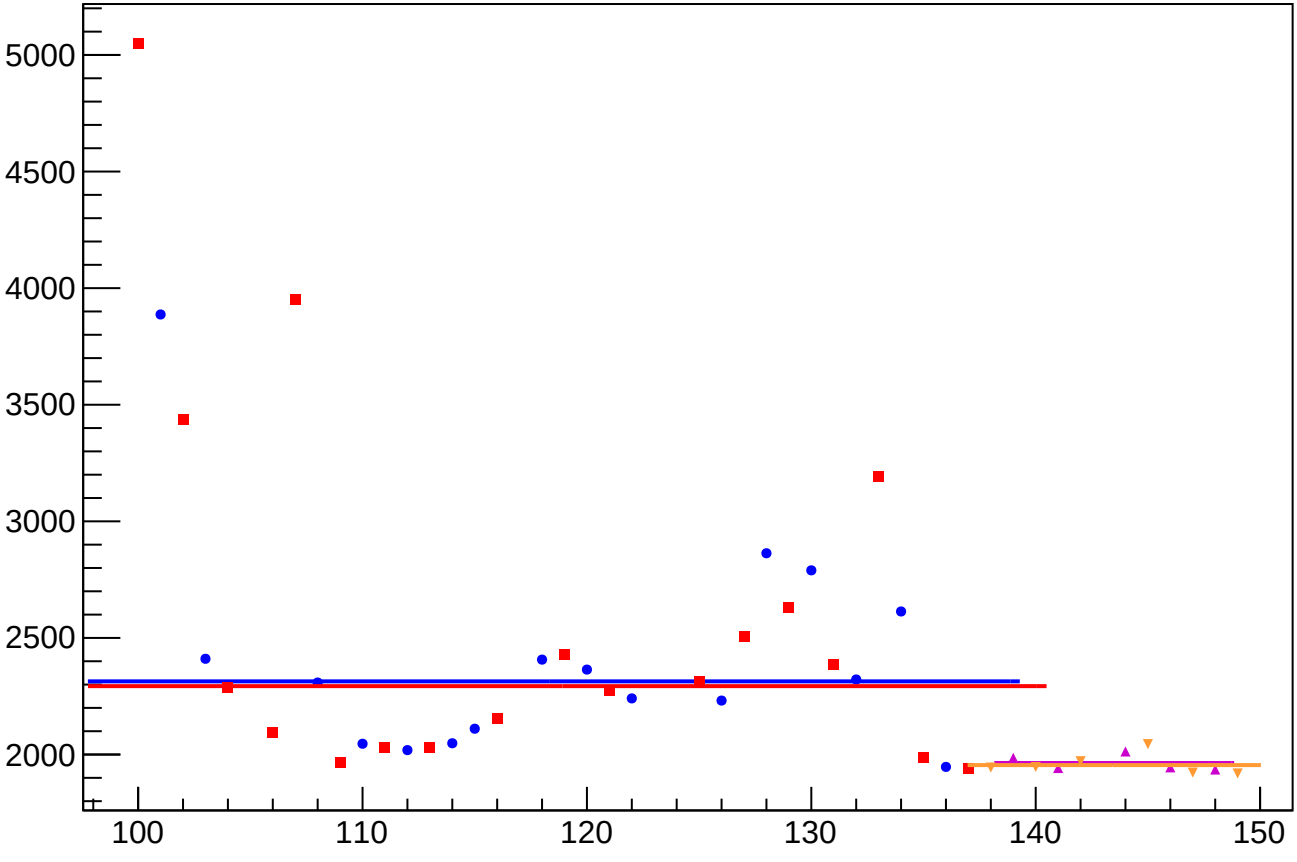
Left In: 1647.566+/-939.001 χ^2/NDF:8.2/4

+ sign -443.905+/-632.796 χ^2/NDF: 17.3/21

All: 471.291+/-449.407 χ^2/NDF: 36.8/44

- 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: 1954.698+/-0.649 χ^2/NDF:4331.5/5

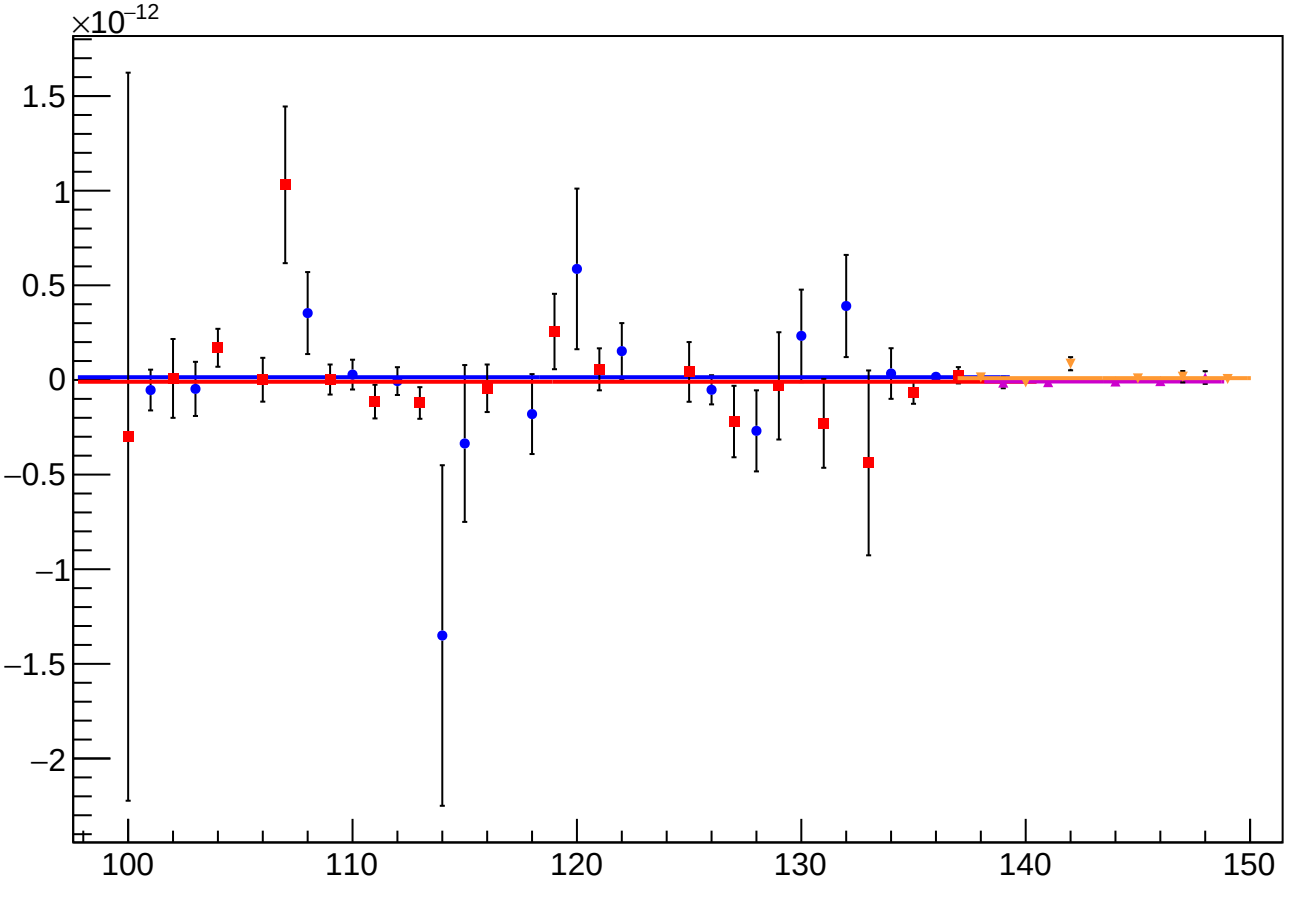
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1963.707+/-0.664 χ^2/NDF:2034.3/4

+ sign 2142.981+/-0.447 χ^2/NDF: 567671.4/21

All: 2141.980+/-0.318 χ^2/NDF: 1155425.8/44

- 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:6.5/5

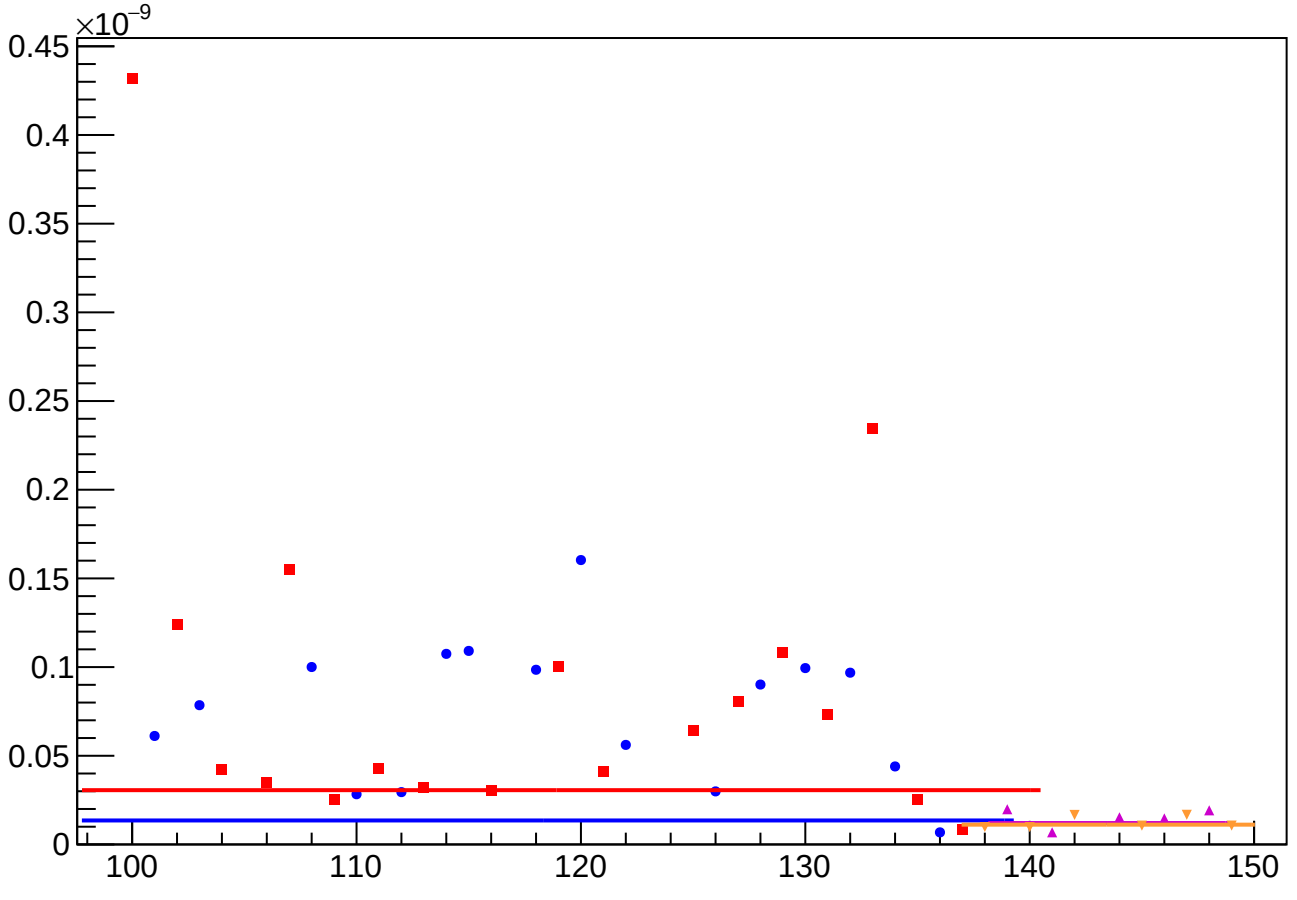
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/21

All: 0.000+/-0.000 χ^2/NDF: 44.2/44

- sign -0.000+/-0.000 χ^2/NDF: 20.0/22



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:143158.3/5

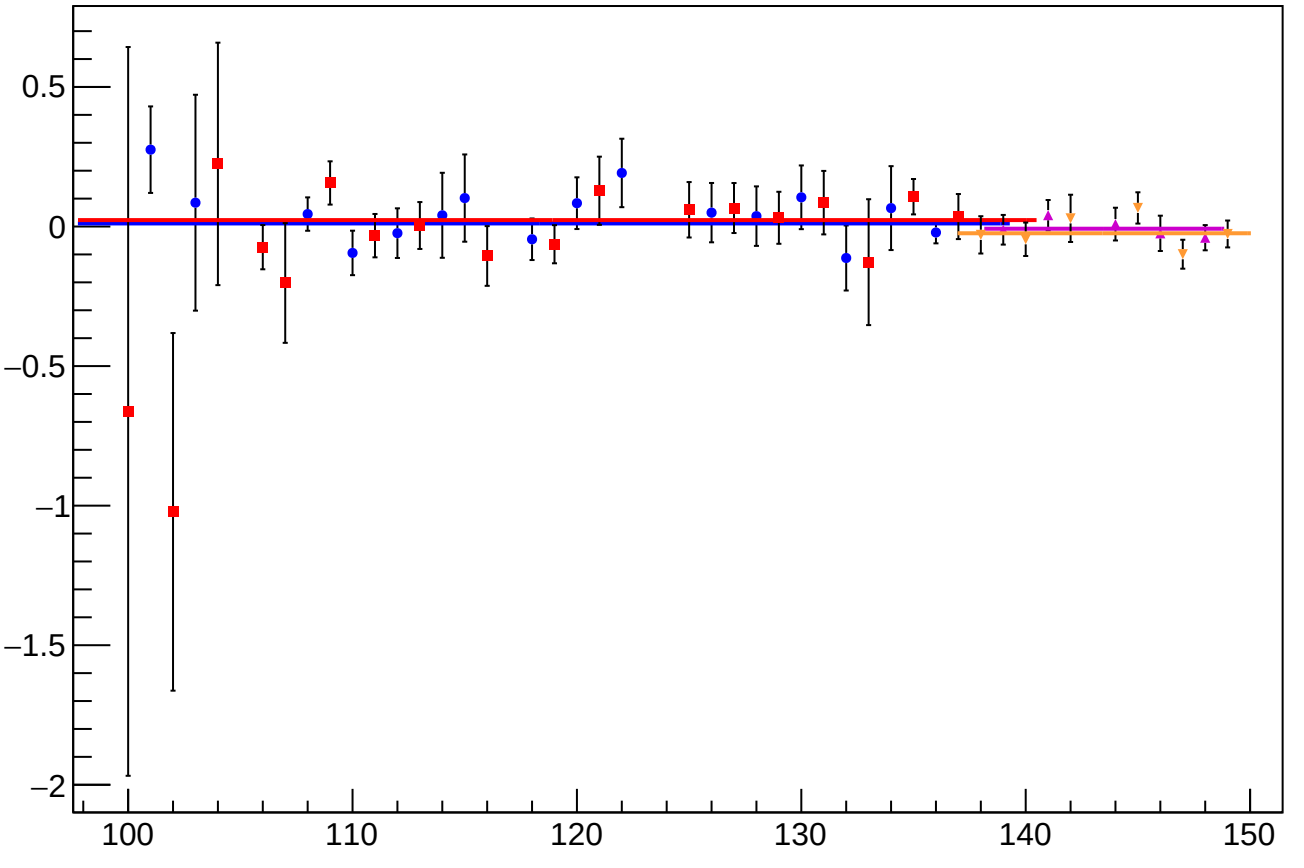
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:549587.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 3599747.5/21

All: 0.000+/-0.000 χ^2/NDF: 7629686.7/44

- sign 0.000+/-0.000 χ^2/NDF: 3911390.1/22



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.024+/-0.024 χ^2/NDF:5.3/5

Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

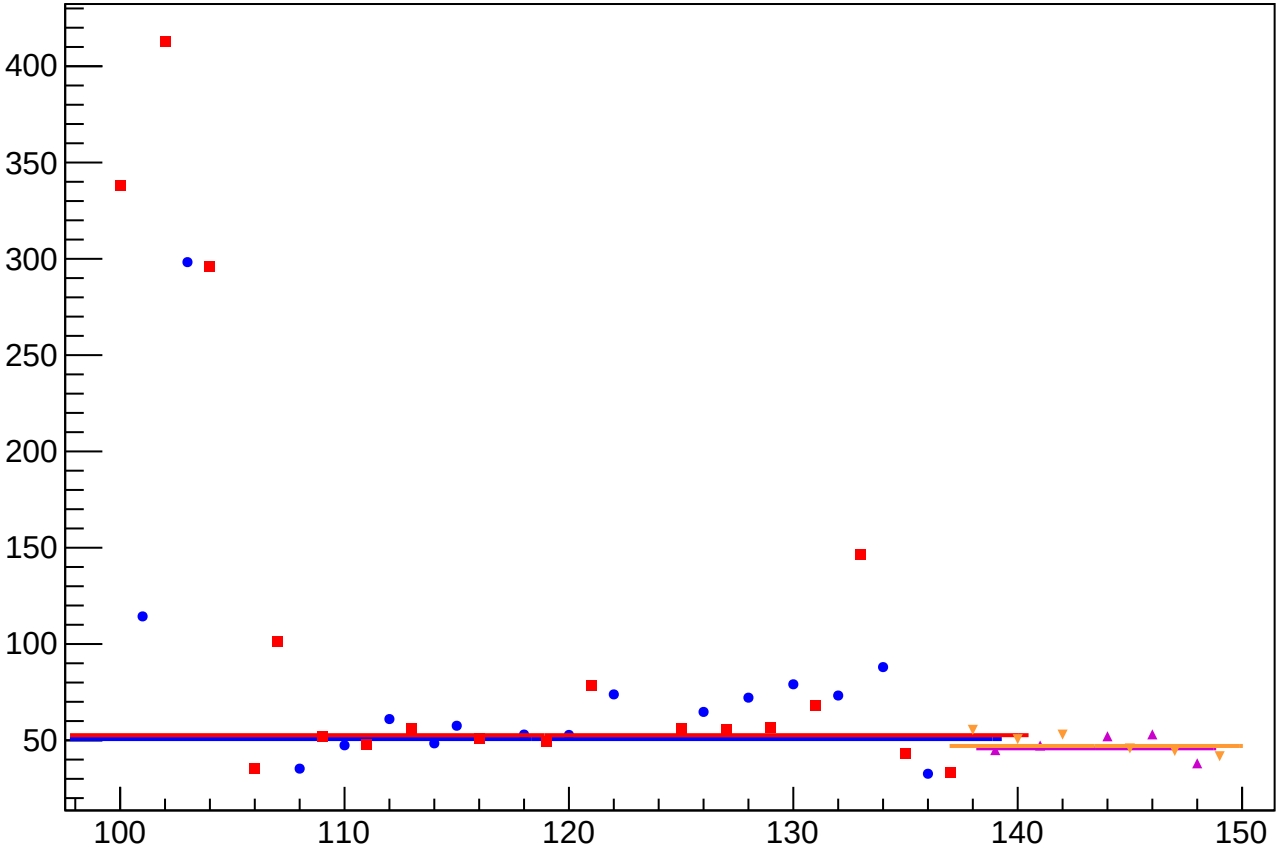
Left In: -0.008+/-0.024 χ^2/NDF:1.5/4

+ sign -0.005+/-0.016 χ^2/NDF: 18.2/21

All: 0.001+/-0.012 χ^2/NDF: 36.8/44

- 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: 47.066+/-0.017 χ^2/NDF:78598.4/5

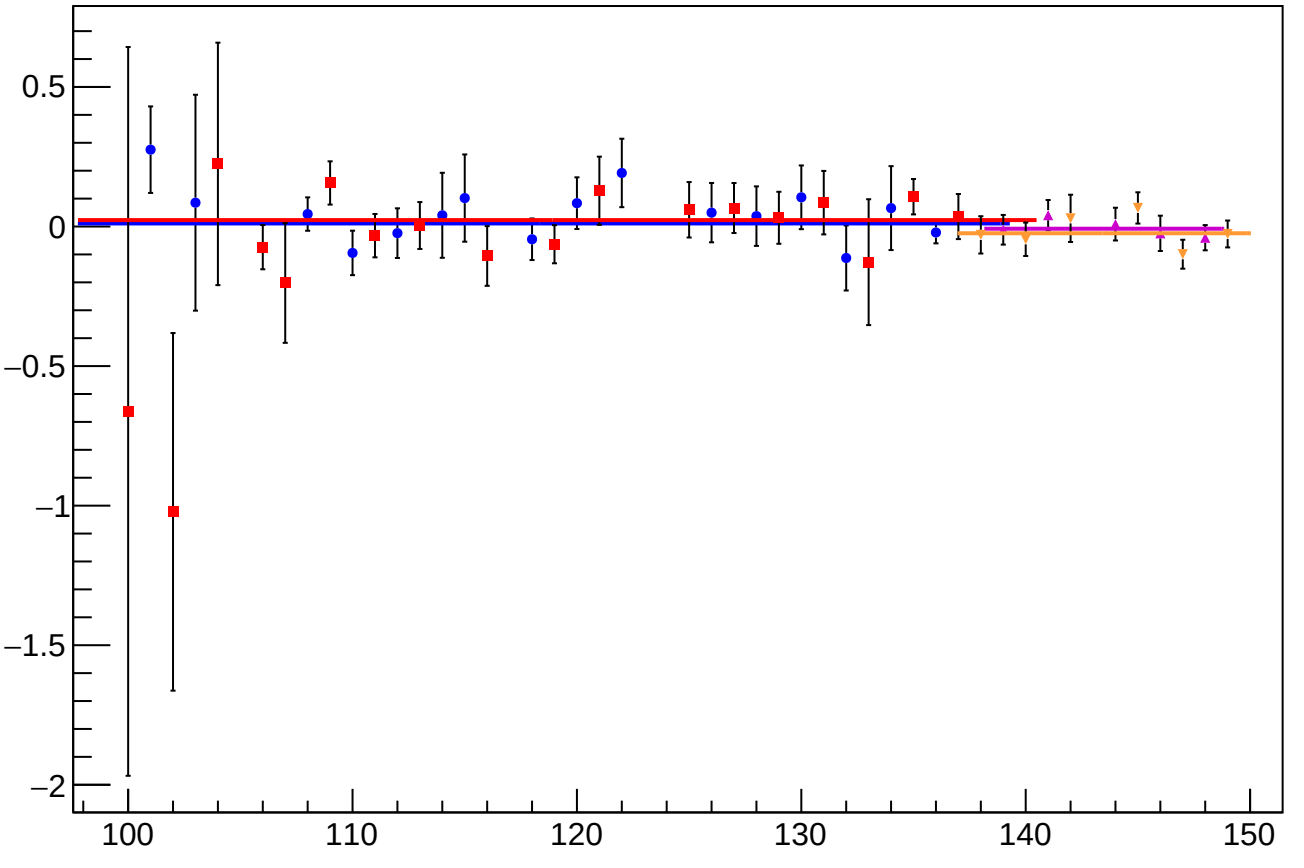
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.846+/-0.017 χ^2/NDF:110285.5/4

+ sign 49.007+/-0.011 χ^2/NDF: 2369563.1/21

All: 49.195+/-0.008 χ^2/NDF: 4775836.3/44

- 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: -0.024+/-0.024 χ^2/NDF:5.3/5

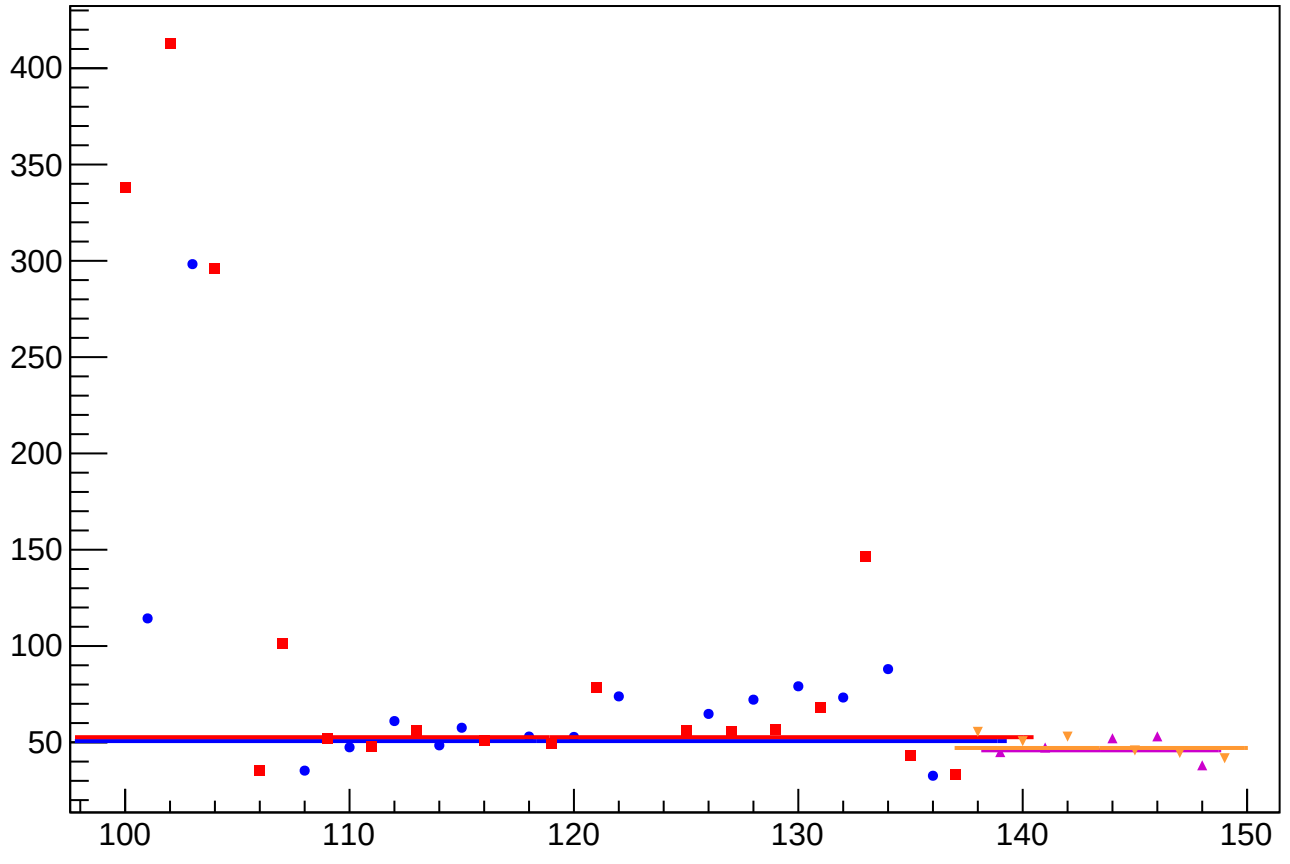
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.024 χ^2/NDF:1.5/4

+ sign -0.005+/-0.016 χ^2/NDF: 18.2/21

All: 0.001+/-0.012 χ^2/NDF: 36.8/44

- 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: 47.066+/-0.017 χ^2/NDF:78598.4/5

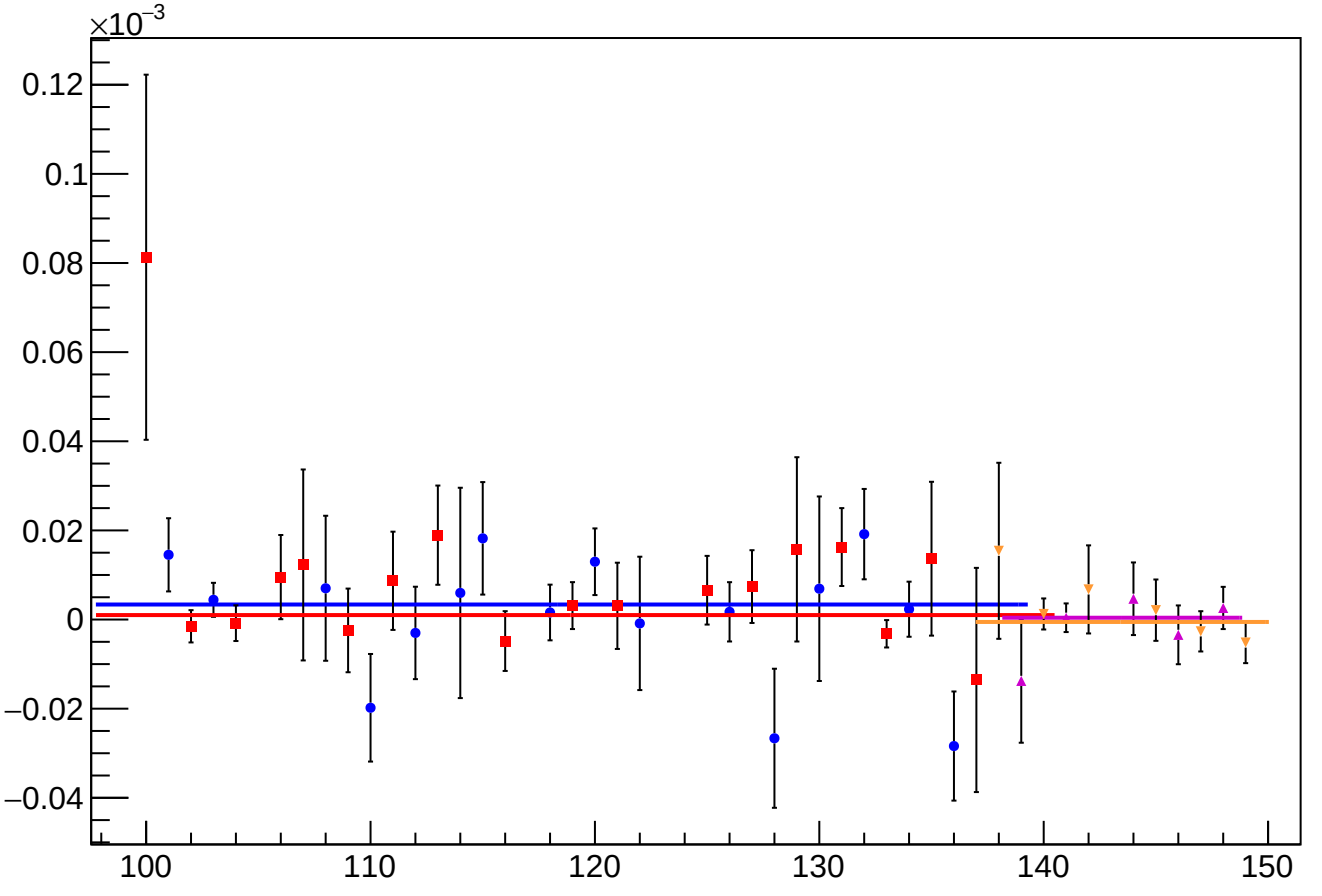
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.846+/-0.017 χ^2/NDF:110285.5/4

\+ sign 49.007+/-0.011 χ^2/NDF: 2369563.1/21

All: 49.195+/-0.008 χ^2/NDF: 4775836.3/44

\- 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:2.8/5

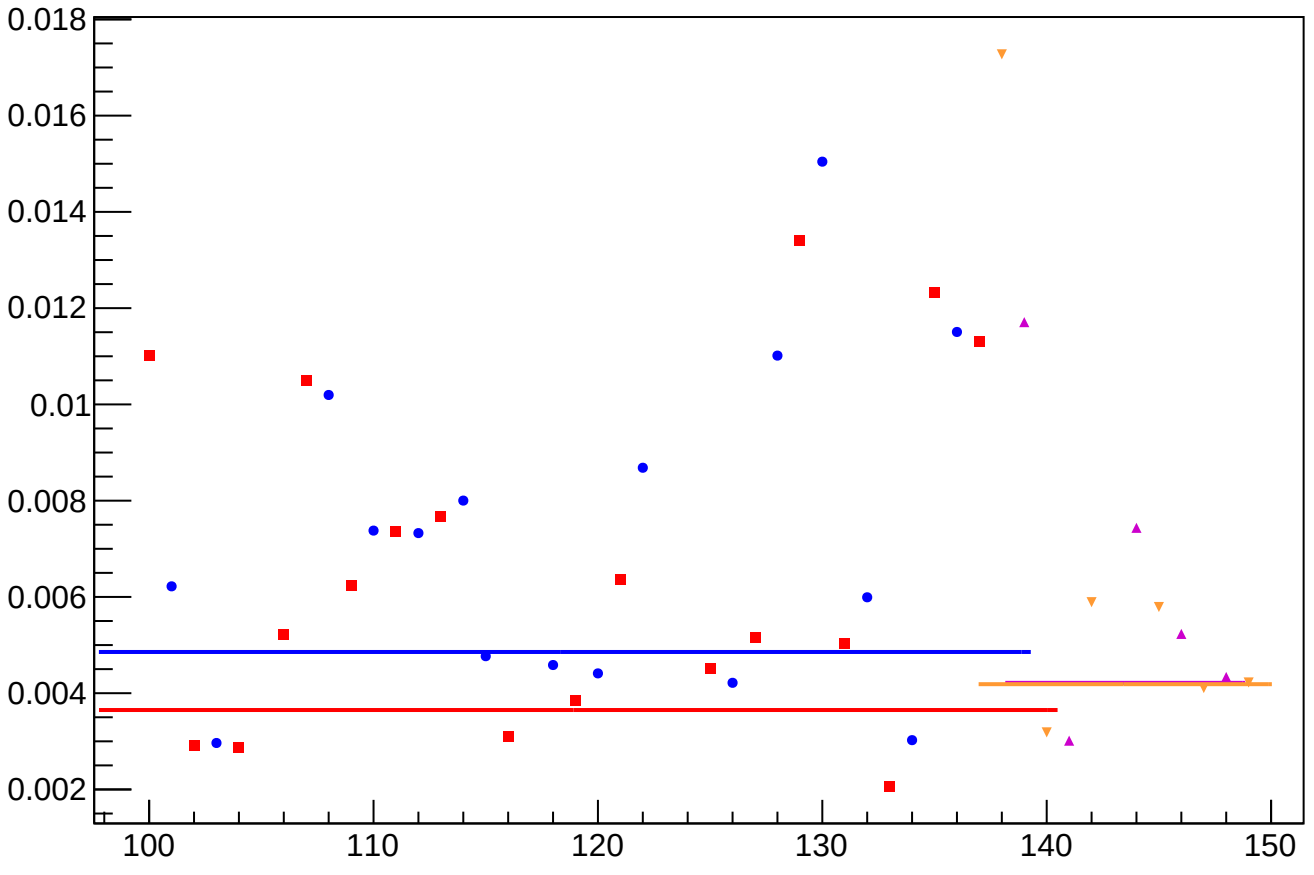
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 26.7/21

All: 0.000+/-0.000 χ^2/NDF: 46.0/44

- 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:1211970.5/5

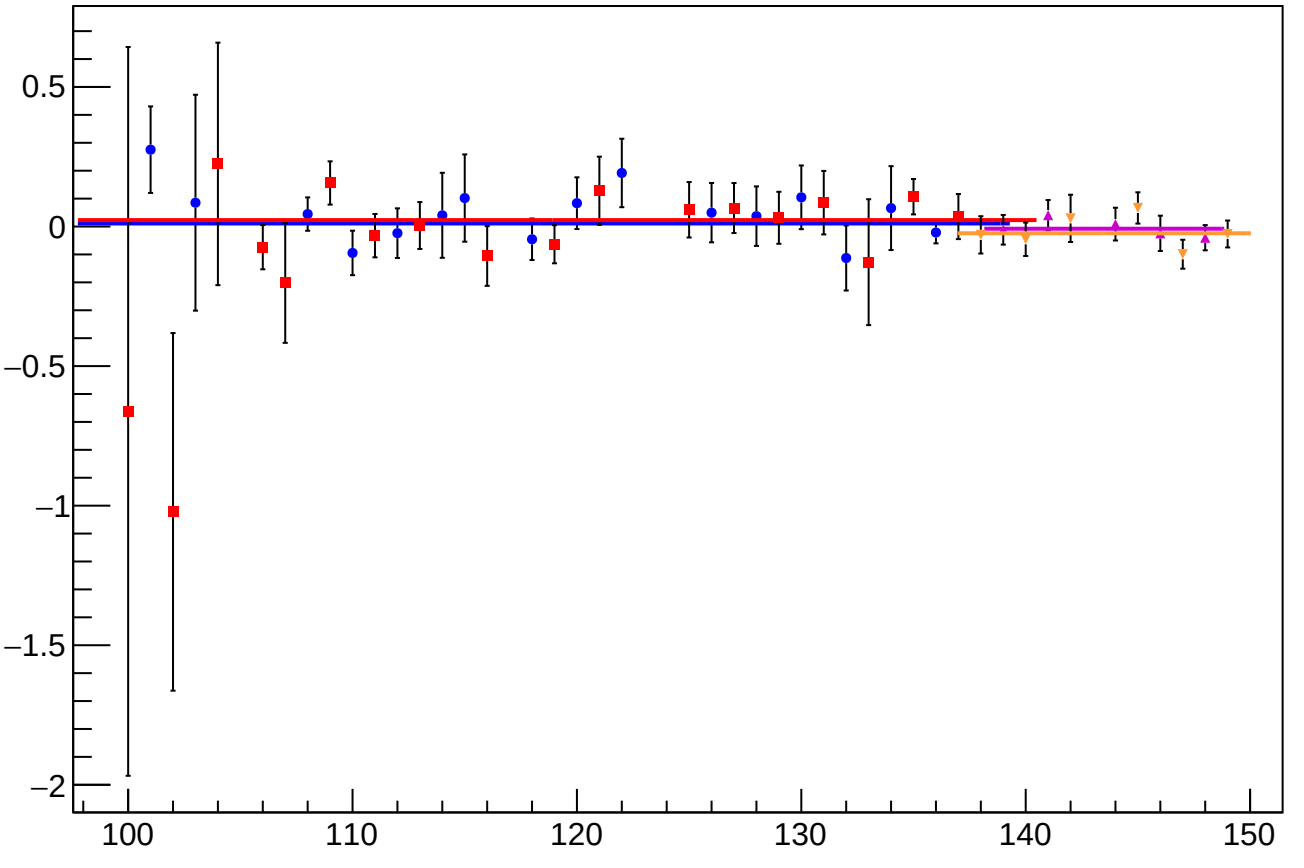
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1224416.2/4

+ sign 0.005+/-0.000 χ^2/NDF: 4056103.2/21

All: 0.004+/-0.000 χ^2/NDF: 8725659.7/44

- 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: -0.024+/-0.024 χ^2/NDF:5.3/5

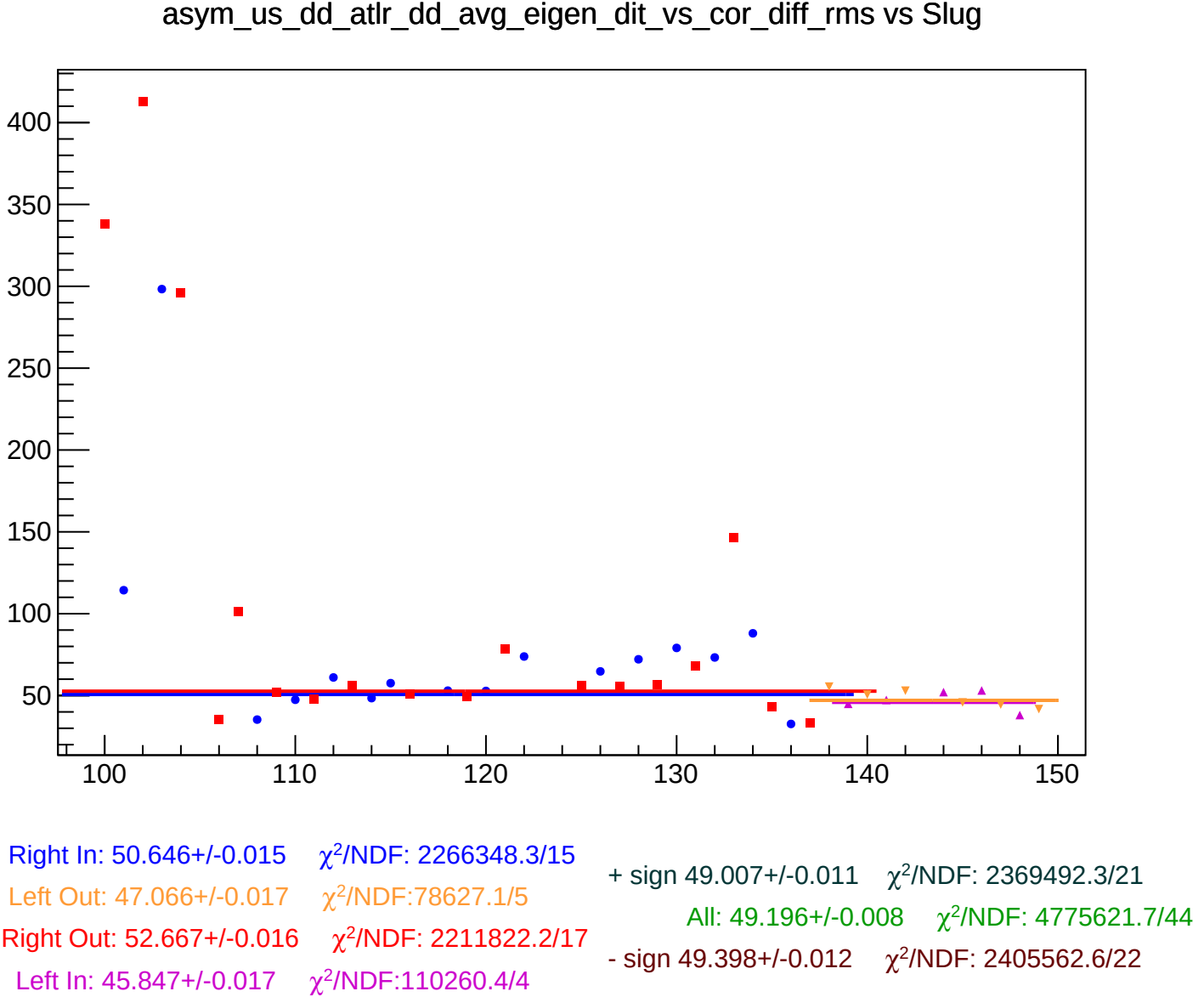
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

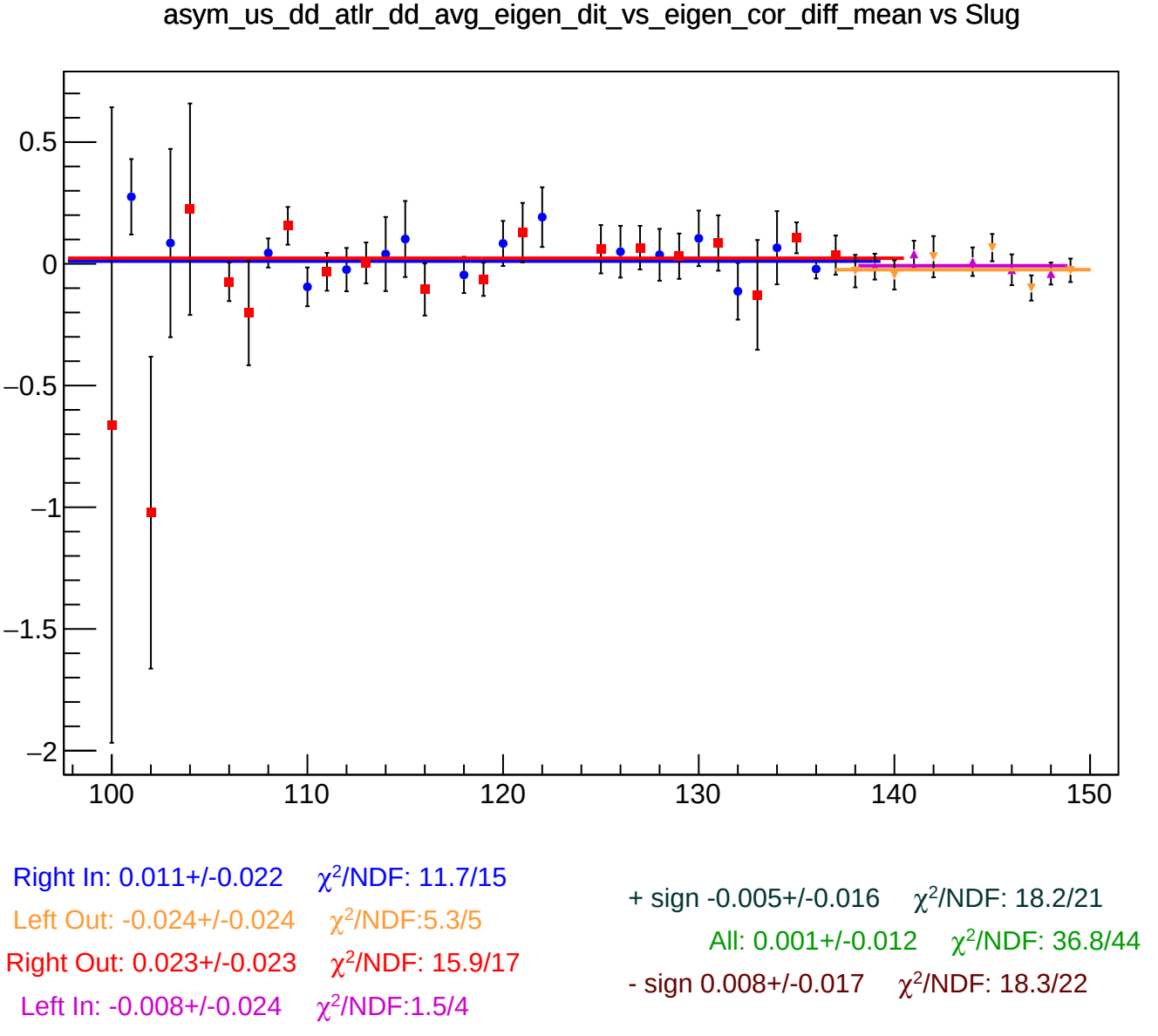
Left In: -0.008+/-0.024 χ^2/NDF:1.5/4

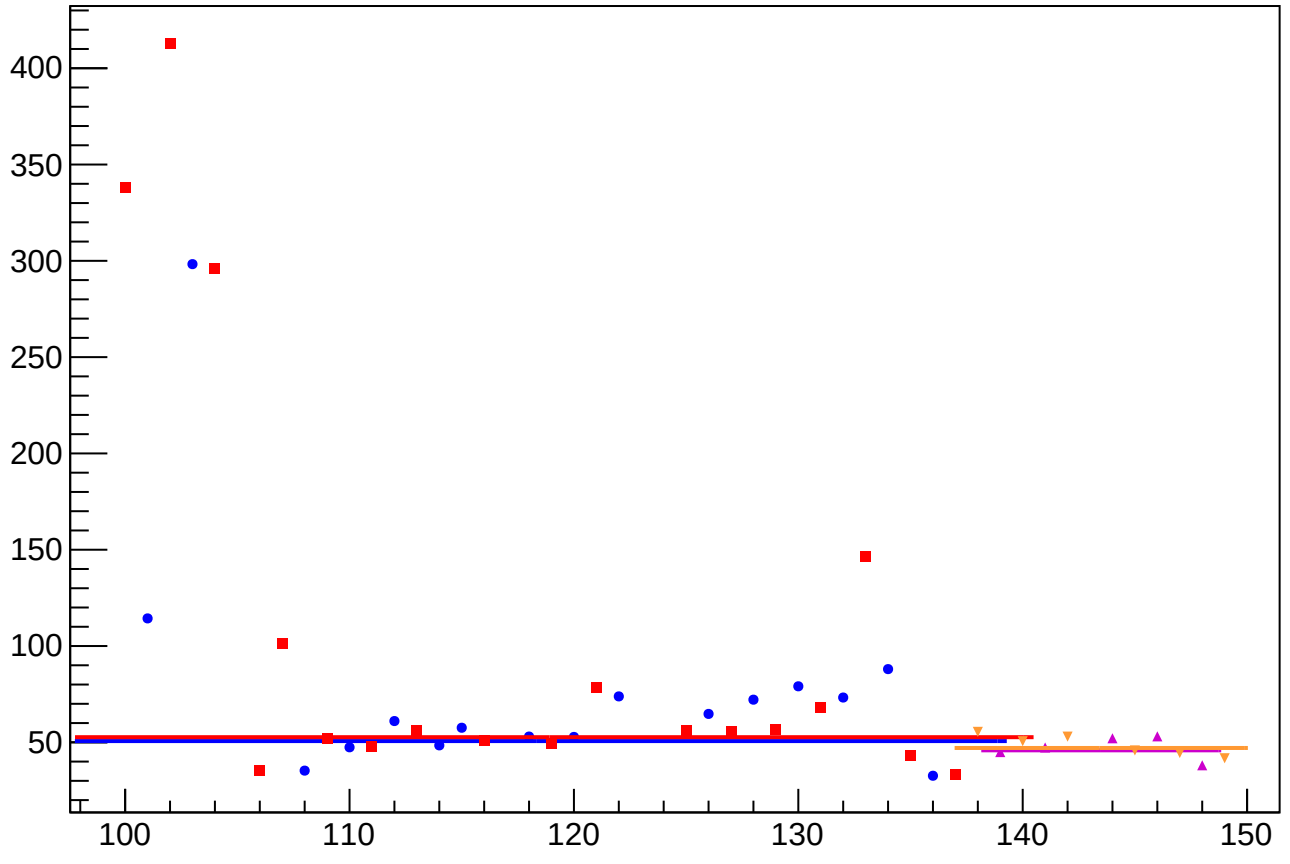
+ sign -0.005+/-0.016 χ^2/NDF: 18.2/21

All: 0.001+/-0.012 χ^2/NDF: 36.8/44

- sign 0.008+/-0.017 χ^2/NDF: 18.3/22


asym_us_dd_atlr_dd_avg_eigen_dit_vs_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: 47.066+/-0.017 χ²/NDF:78627.1/5
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 45.847+/-0.017 χ²/NDF:110260.4/4
+ sign 49.007+/-0.011 χ²/NDF: 2369492.3/21
All: 49.196+/-0.008 χ²/NDF: 4775621.7/44
- sign 49.398+/-0.012 χ²/NDF: 2405562.6/22


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
Right In: 0.011+/-0.022 χ²/NDF: 11.7/15
Left Out: -0.024+/-0.024 χ²/NDF:5.3/5
Right Out: 0.023+/-0.023 χ²/NDF: 15.9/17
Left In: -0.008+/-0.024 χ²/NDF:1.5/4
+ sign -0.005+/-0.016 χ²/NDF: 18.2/21
All: 0.001+/-0.012 χ²/NDF: 36.8/44
- sign 0.008+/-0.017 χ²/NDF: 18.3/22



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.066+/-0.017 χ^2/NDF:78627.1/5

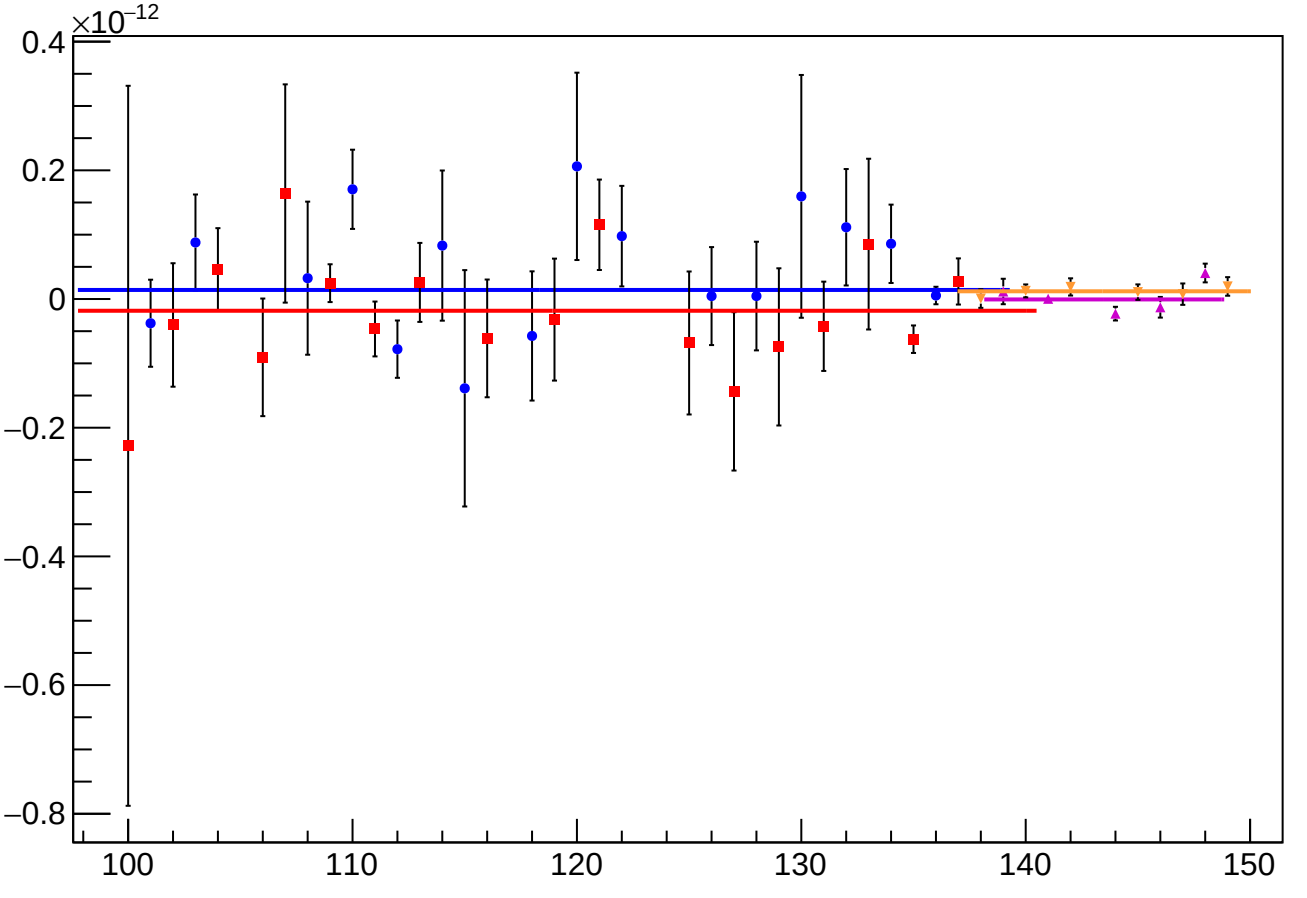
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.847+/-0.017 χ^2/NDF:110260.4/4

+ sign 49.007+/-0.011 χ^2/NDF: 2369492.3/21

All: 49.196+/-0.008 χ^2/NDF: 4775621.7/44

- sign 49.398+/-0.012 χ^2/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:1.2/5

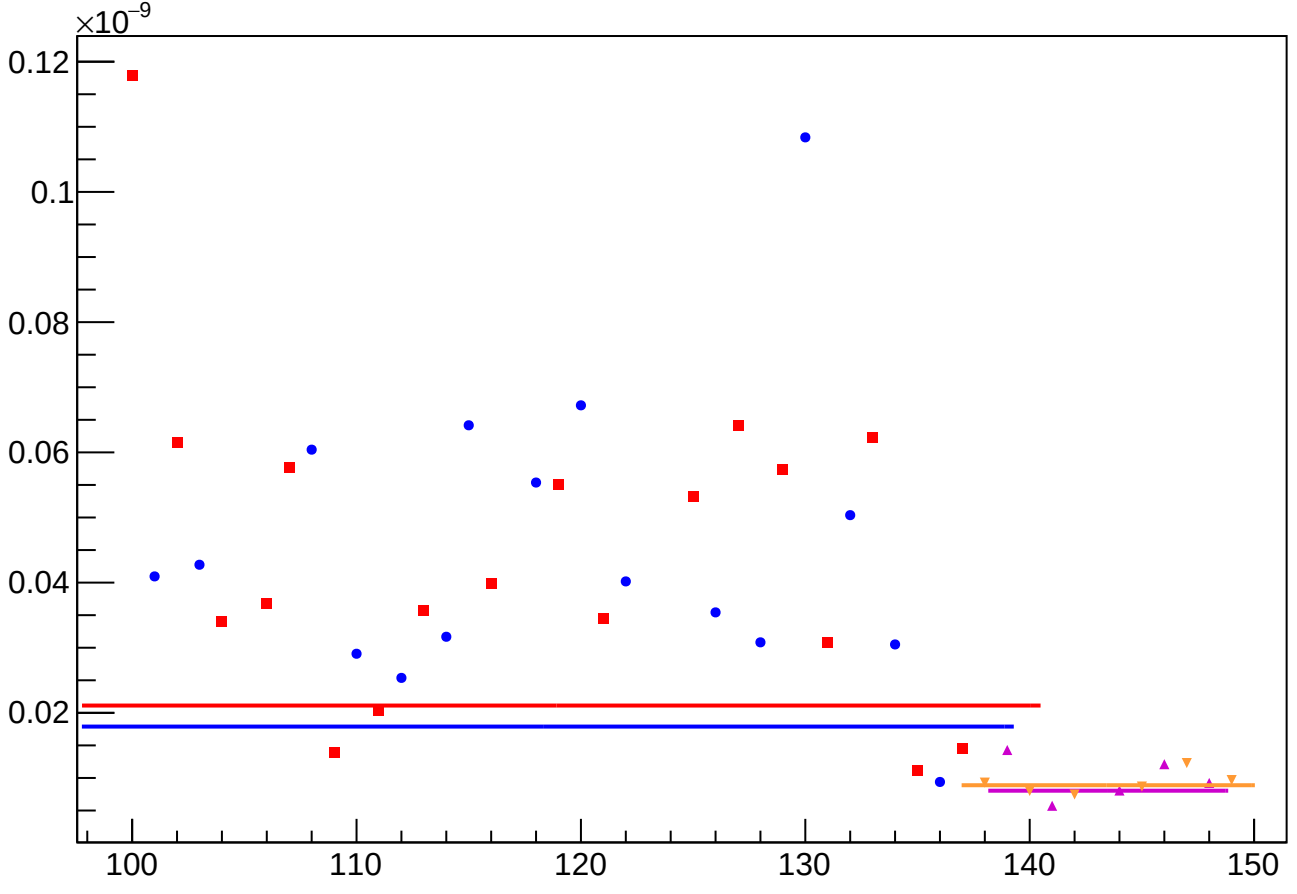
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/21

All: 0.000+/-0.000 χ^2/NDF: 59.8/44

- 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:129958.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

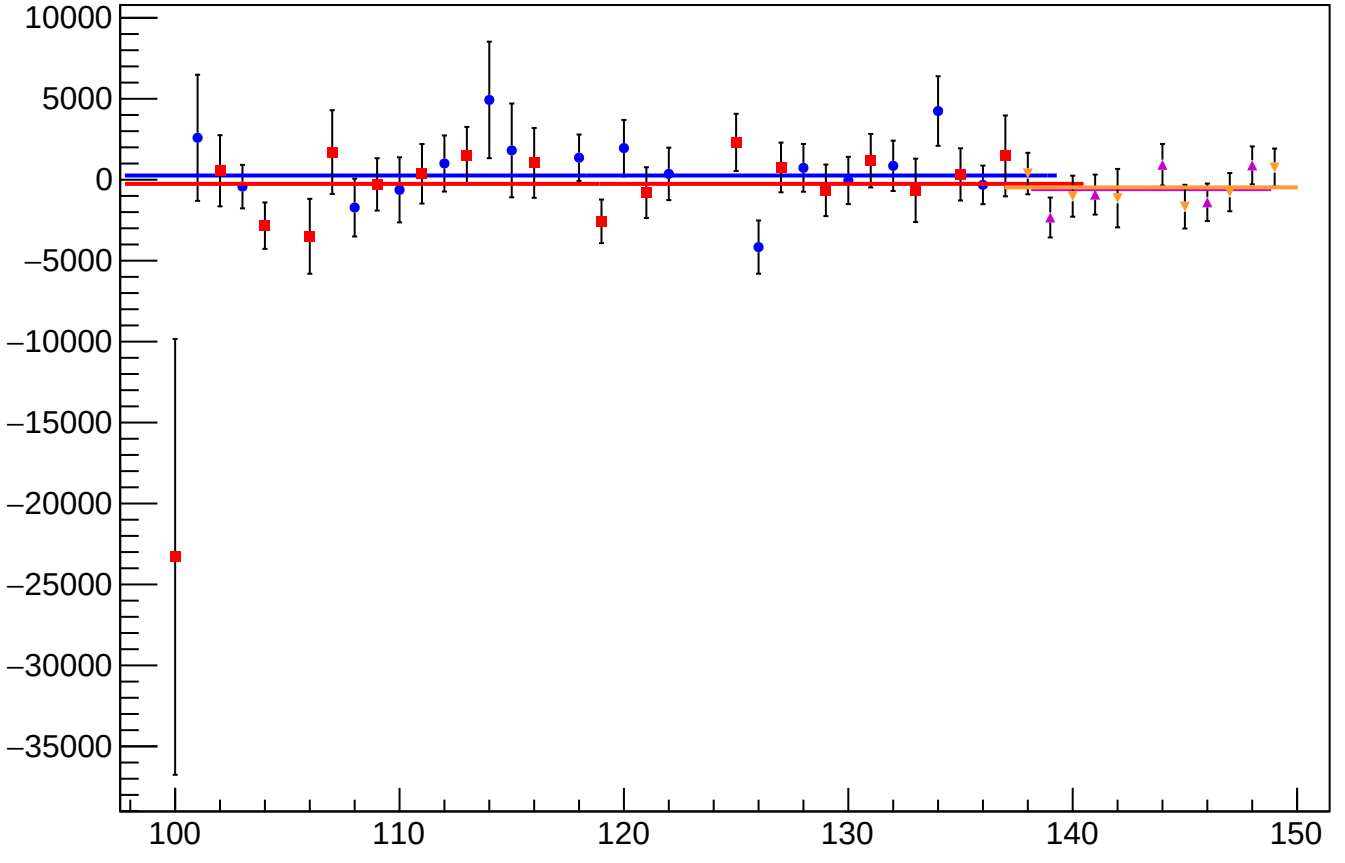
Left In: 0.000+/-0.000 χ^2/NDF:516063.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 4566662.2/21

All: 0.000+/-0.000 χ^2/NDF: 9567443.2/44

- 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: -473.400+/-532.366 χ^2/NDF:2.7/5

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

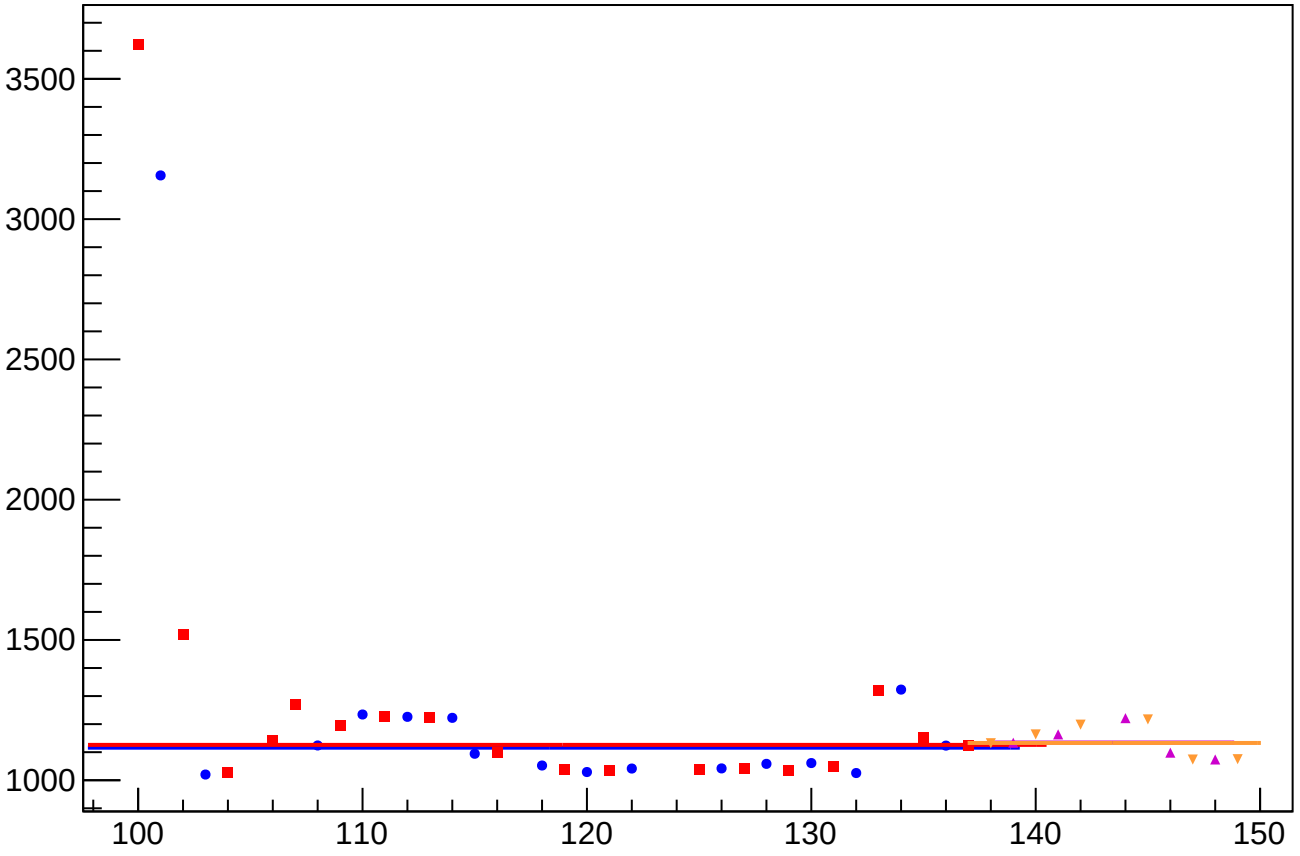
Left In: -580.770+/-542.960 χ^2/NDF:5.5/4

+ sign -24.704+/-331.977 χ^2/NDF: 20.8/21

All: -200.531+/-235.822 χ^2/NDF: 44.5/44

- 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: 1132.899+/-0.376 χ^2/NDF:21342.5/5

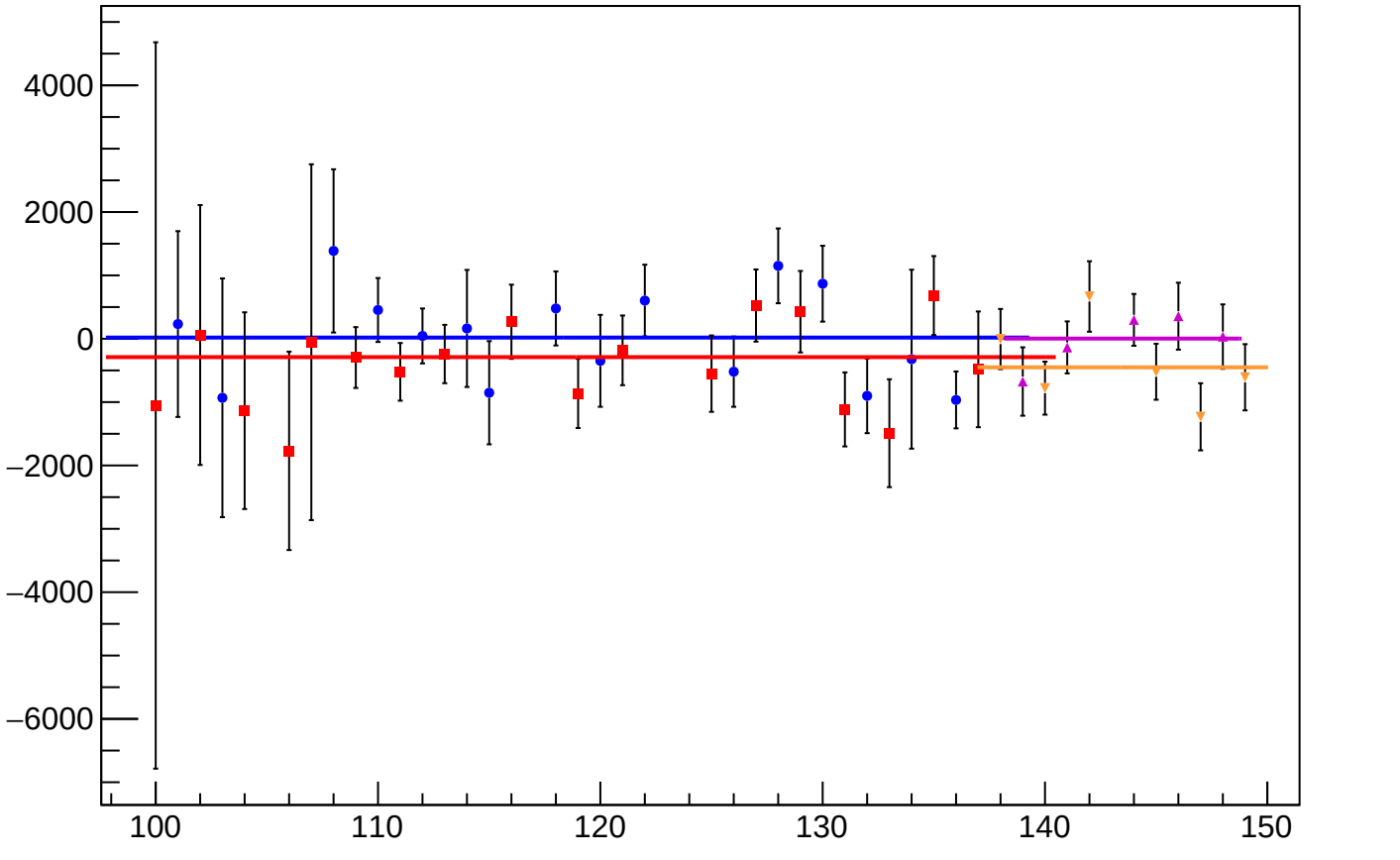
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1134.445+/-0.384 χ^2/NDF:17487.5/4

+ sign 1122.626+/-0.235 χ^2/NDF: 645952.1/21

All: 1125.895+/-0.167 χ^2/NDF: 886235.5/44

- 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: -451.030+/-197.183 χ^2/NDF:7.8/5

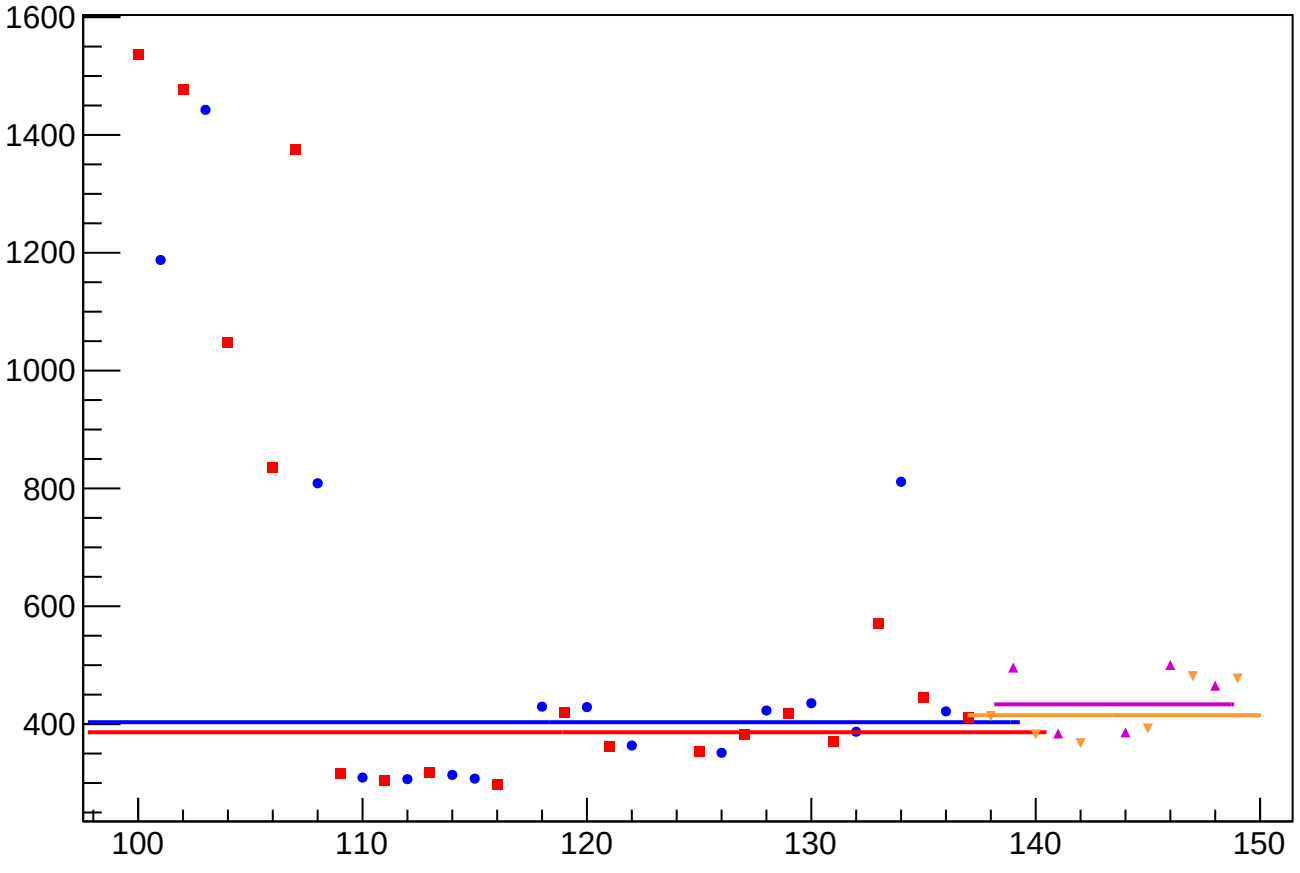
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 2.727+/-209.379 χ^2/NDF:2.7/4

\+ sign -169.663+/-124.820 χ^2/NDF: 30.4/21

All: -177.463+/-88.393 χ^2/NDF: 47.8/44

\- 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: 415.062+/-0.139 χ^2/NDF:91601.1/5

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

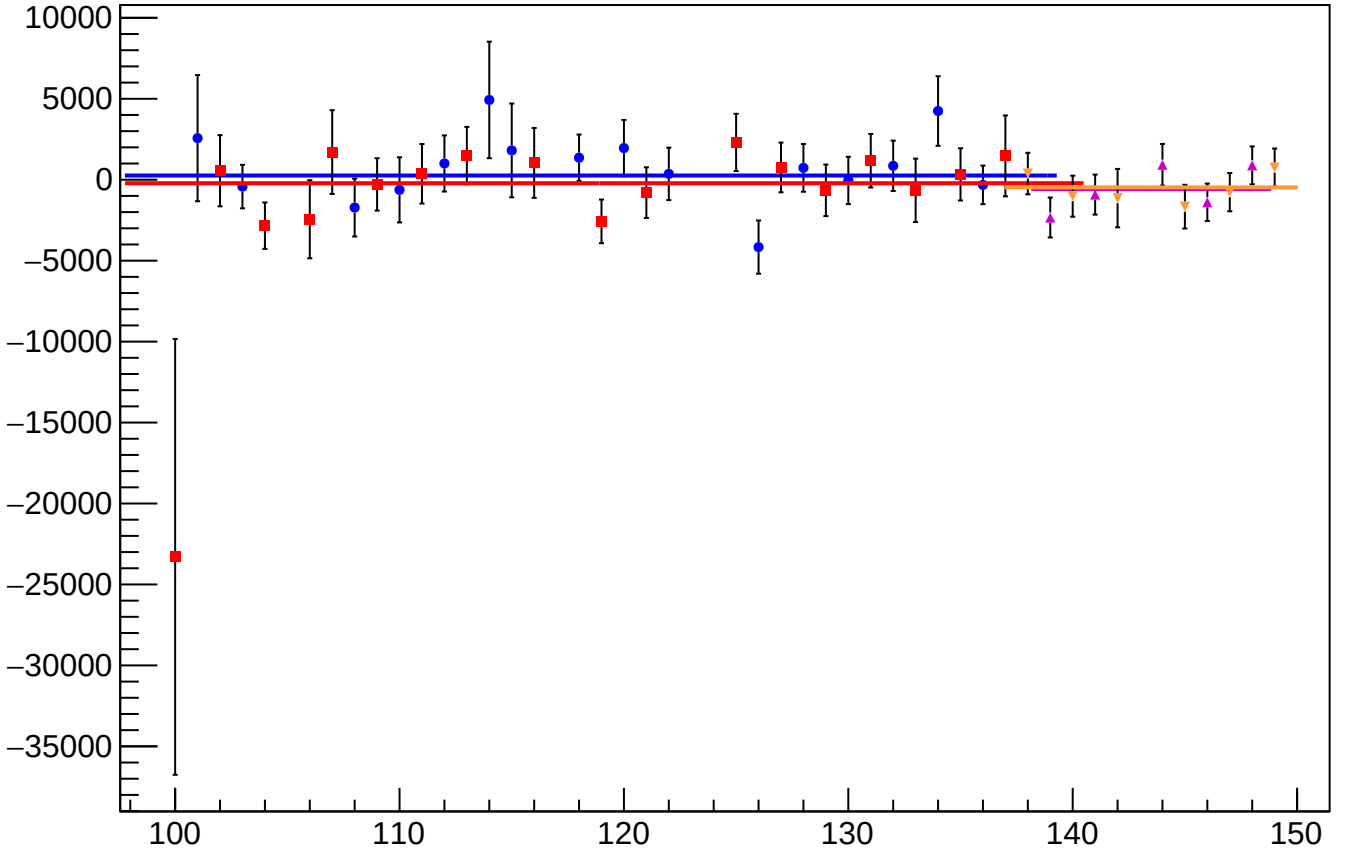
Left In: 433.470+/-0.148 χ^2/NDF:122780.1/4

+ sign 407.950+/-0.088 χ^2/NDF: 1904375.0/21

All: 405.515+/-0.063 χ^2/NDF: 3853437.4/44

- 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: -473.387+/-532.366 χ^2/NDF:2.7/5

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

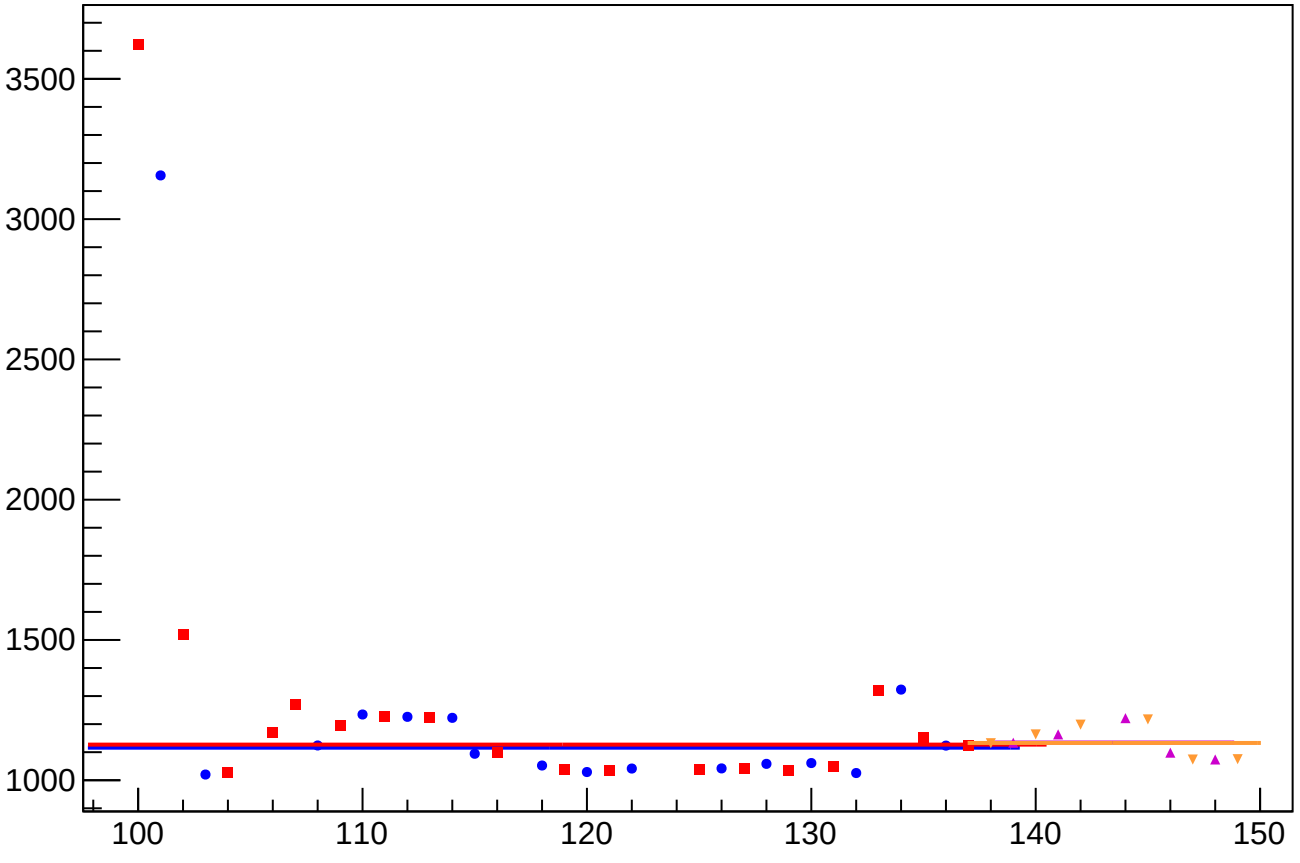
Left In: -580.779+/-542.960 χ^2/NDF:5.5/4

+ sign -24.933+/-331.977 χ^2/NDF: 20.8/21

All: -187.917+/-235.917 χ^2/NDF: 43.3/44

- 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: 1132.899+/-0.376 χ^2/NDF:21342.5/5

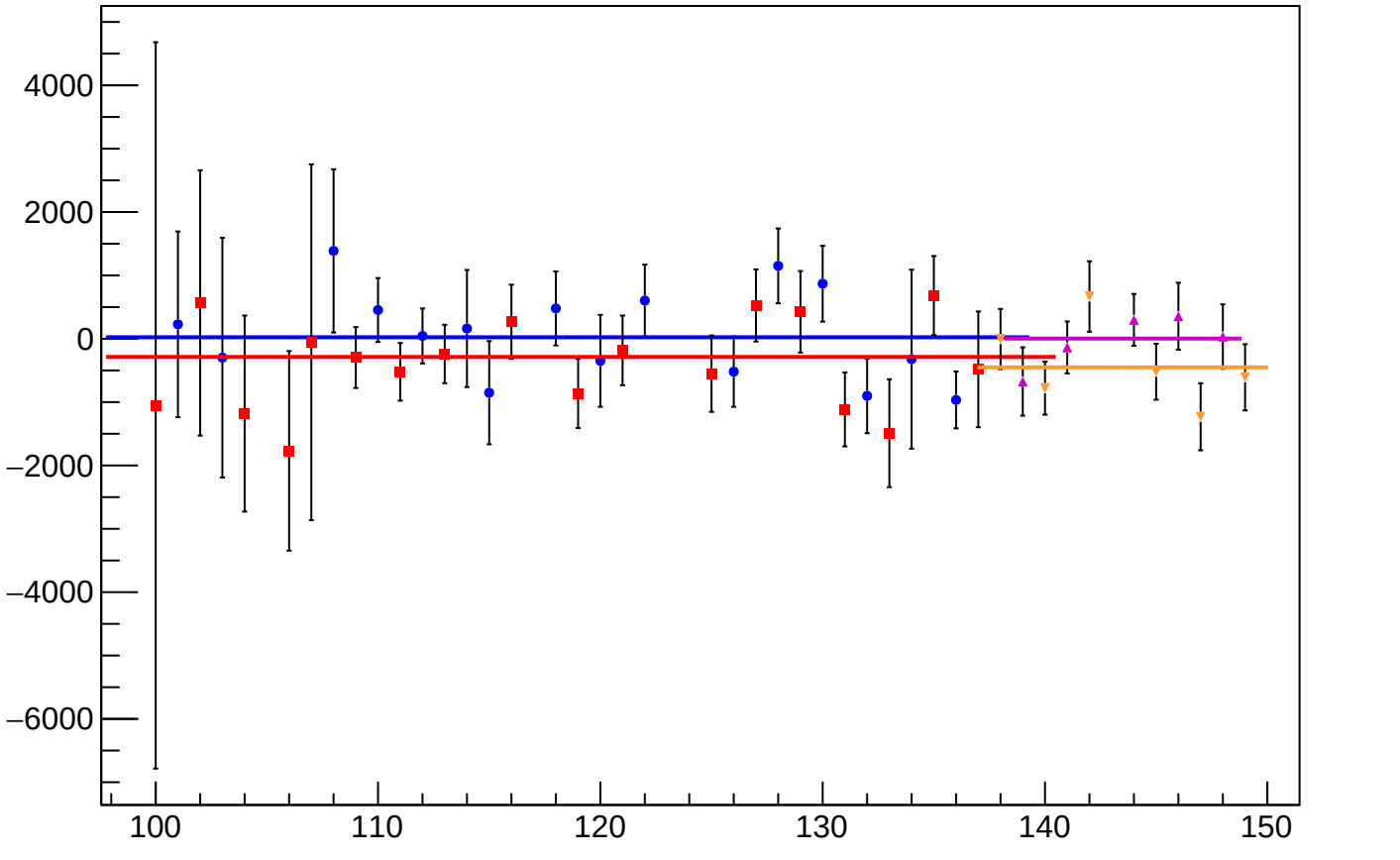
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1134.445+/-0.384 χ^2/NDF:17487.5/4

+ sign 1122.626+/-0.235 χ^2/NDF: 645953.1/21

All: 1126.184+/-0.167 χ^2/NDF: 886880.1/44

- 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: -451.176+/-197.182 χ^2/NDF:7.8/5

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

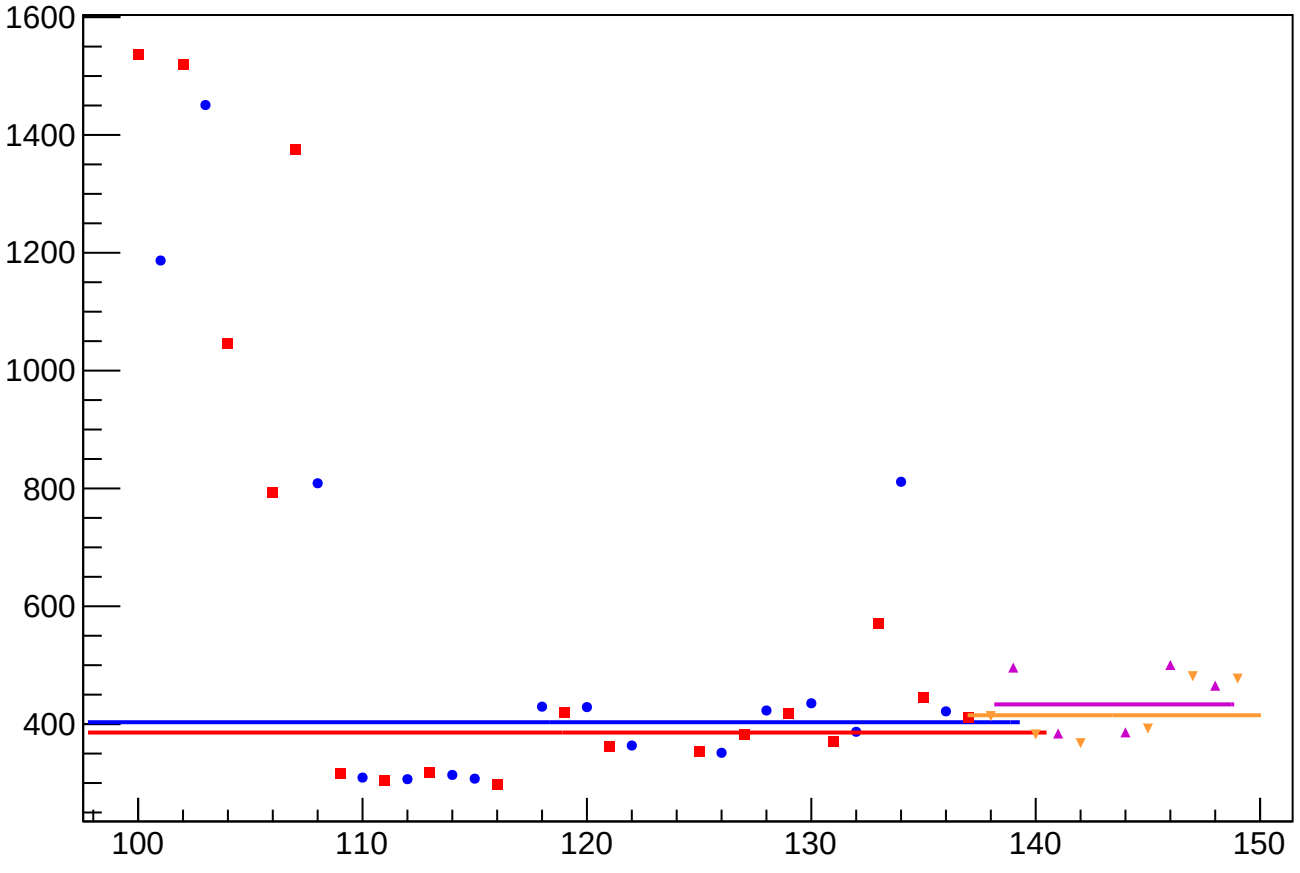
Left In: 2.602+/-209.377 χ^2/NDF:2.7/4

\+ sign -167.055+/-124.820 χ^2/NDF: 30.2/21

All: -175.420+/-88.397 χ^2/NDF: 47.8/44

\- sign -183.836+/-125.205 χ^2/NDF: 17.6/22

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 415.059+/-0.139 χ^2/NDF:91596.9/5

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

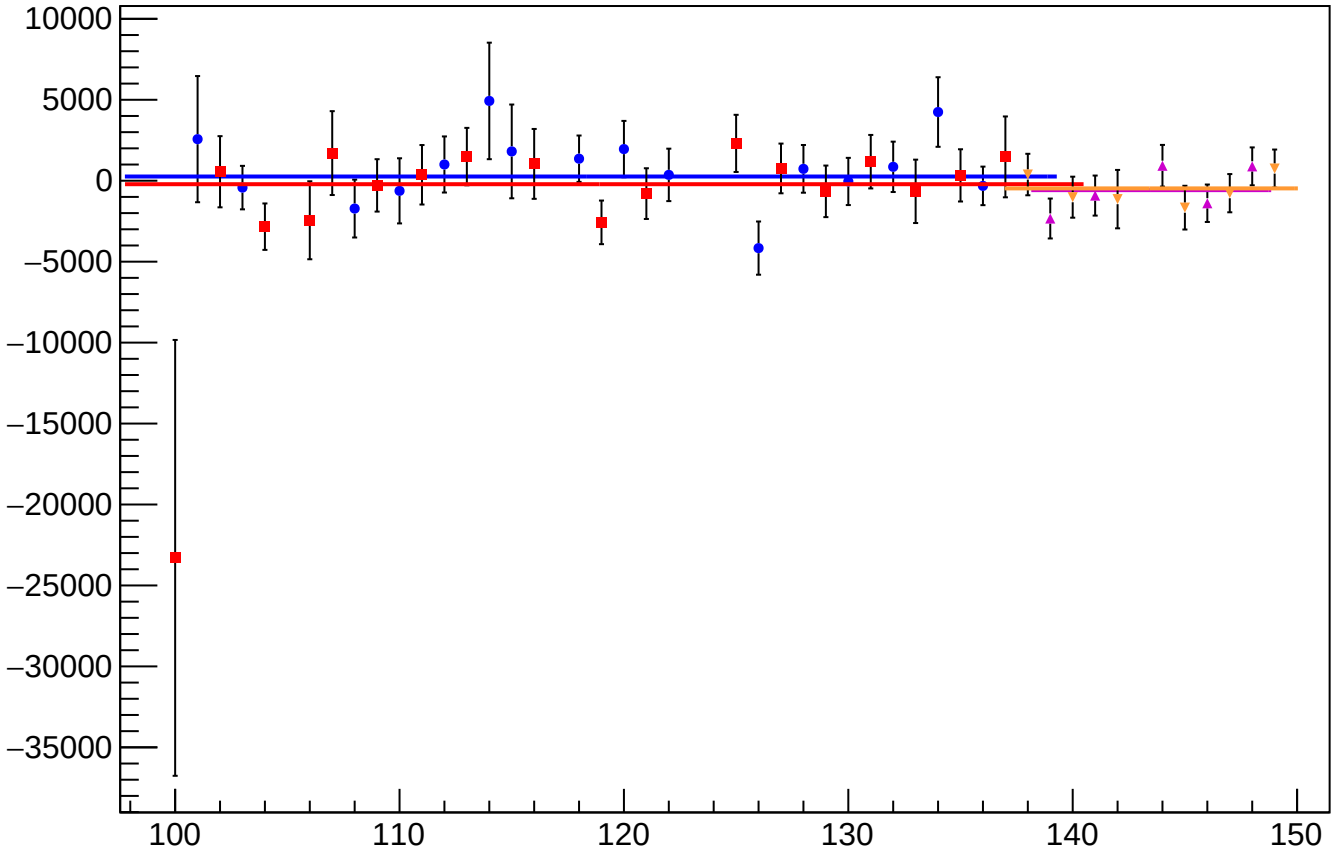
Left In: 433.467+/-0.148 χ^2/NDF:122757.5/4

+ sign 407.941+/-0.088 χ^2/NDF: 1908056.3/21

All: 405.363+/-0.063 χ^2/NDF: 3846601.4/44

- 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: -473.387+/-532.366 χ^2/NDF:2.7/5

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

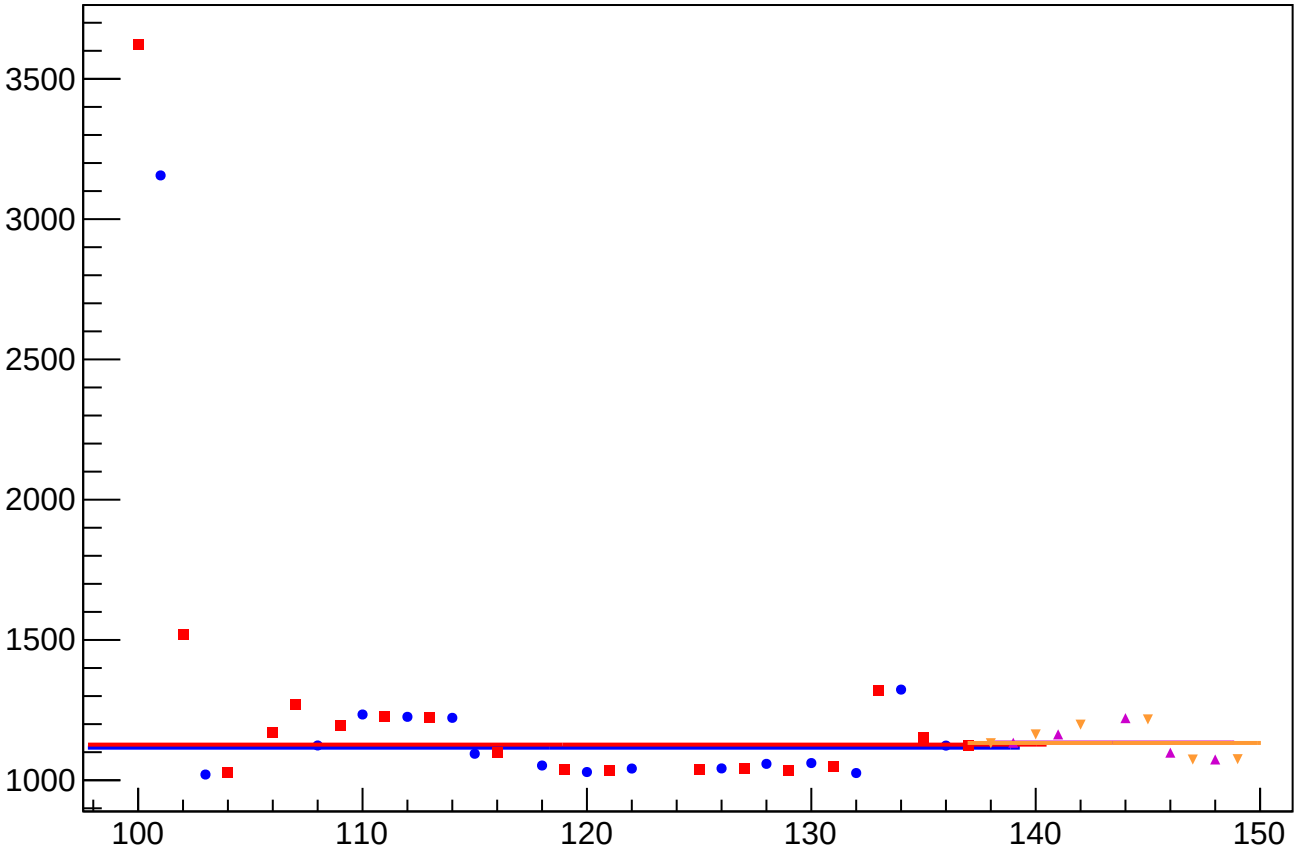
Left In: -580.779+/-542.960 χ^2/NDF:5.5/4

+ sign -24.933+/-331.977 χ^2/NDF: 20.8/21

All: -187.917+/-235.917 χ^2/NDF: 43.3/44

- 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: 1132.899+/-0.376 χ^2/NDF:21342.5/5

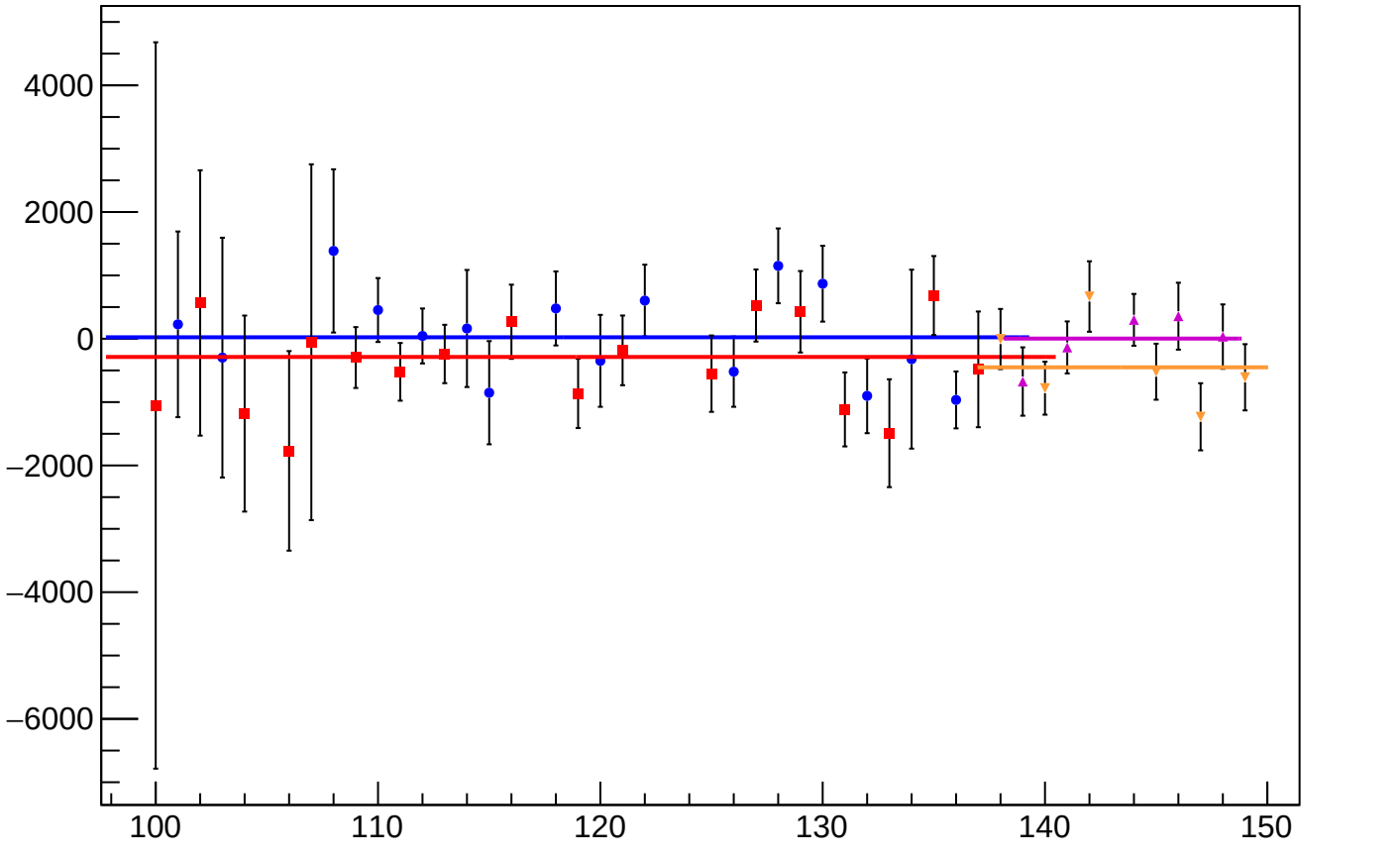
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1134.445+/-0.384 χ^2/NDF:17487.5/4

+ sign 1122.626+/-0.235 χ^2/NDF: 645953.1/21

All: 1126.184+/-0.167 χ^2/NDF: 886880.1/44

- 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: -451.176+/-197.182 χ^2/NDF:7.8/5

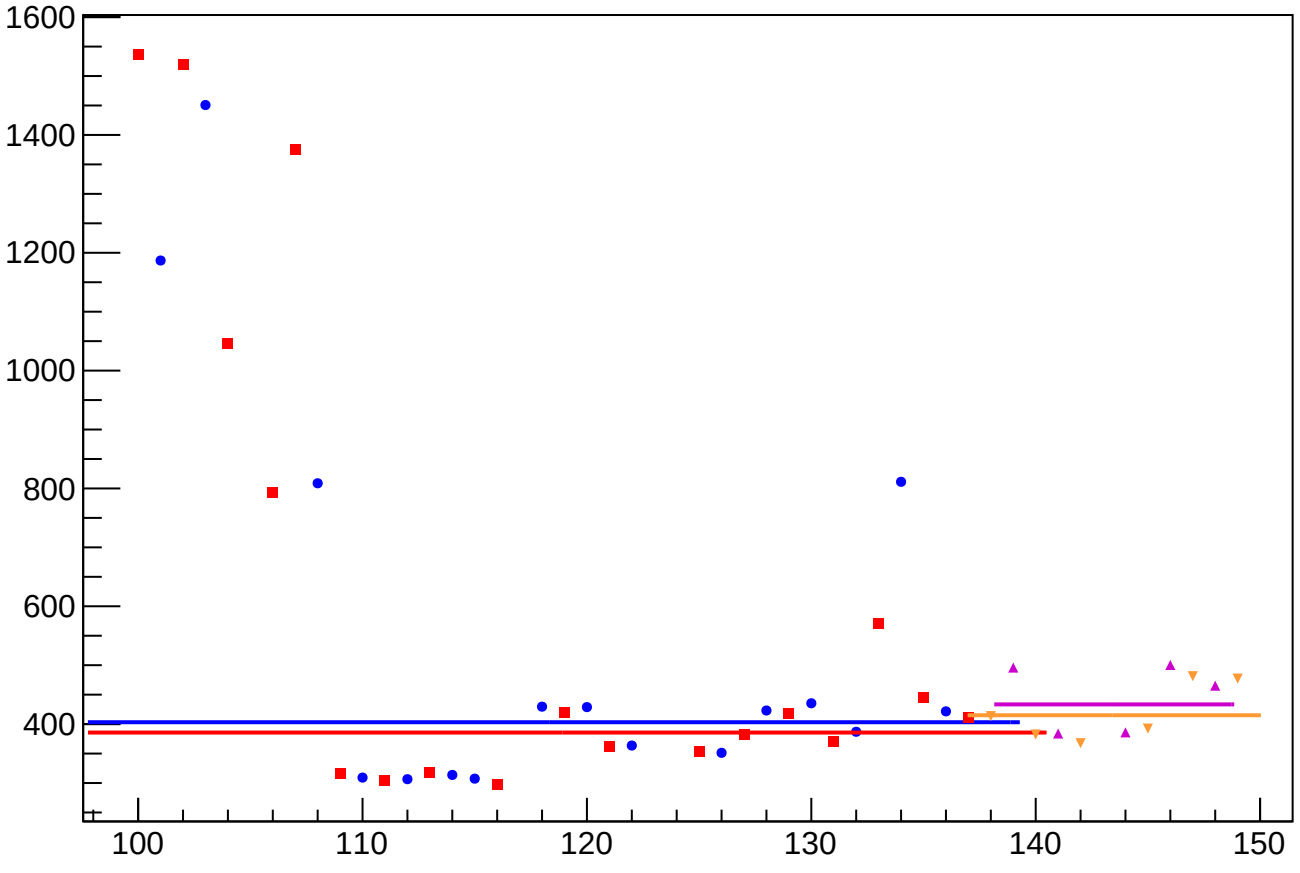
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 2.602+/-209.377 χ^2/NDF:2.7/4

+ sign -167.055+/-124.820 χ^2/NDF: 30.2/21

All: -175.420+/-88.397 χ^2/NDF: 47.8/44

- 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: 415.059+/-0.139 χ^2/NDF:91596.9/5

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

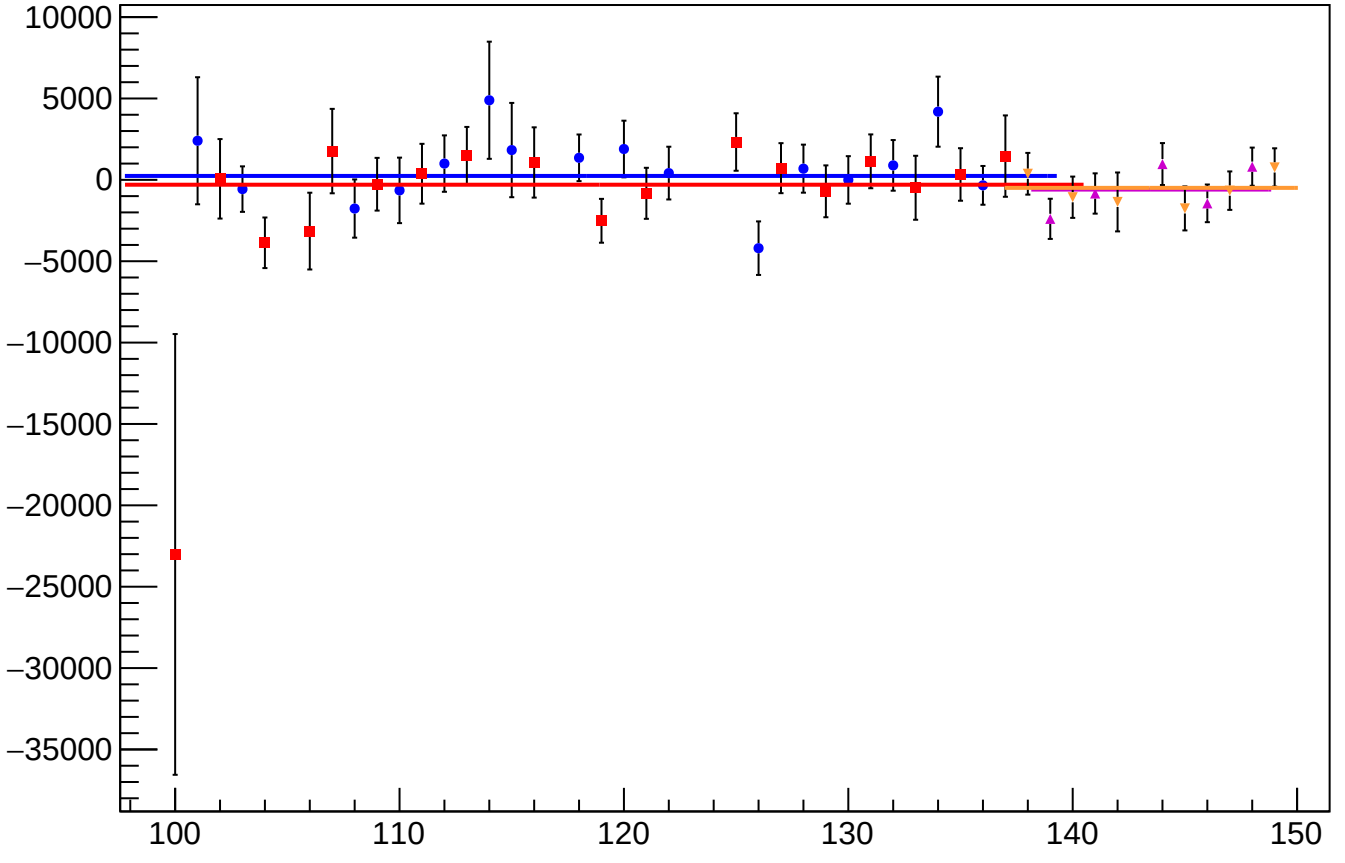
Left In: 433.467+/-0.148 χ^2/NDF:122757.5/4

+ sign 407.941+/-0.088 χ^2/NDF: 1908056.3/21

All: 405.363+/-0.063 χ^2/NDF: 3846601.4/44

- 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: -492.683+/-532.974 χ^2/NDF:2.9/5

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

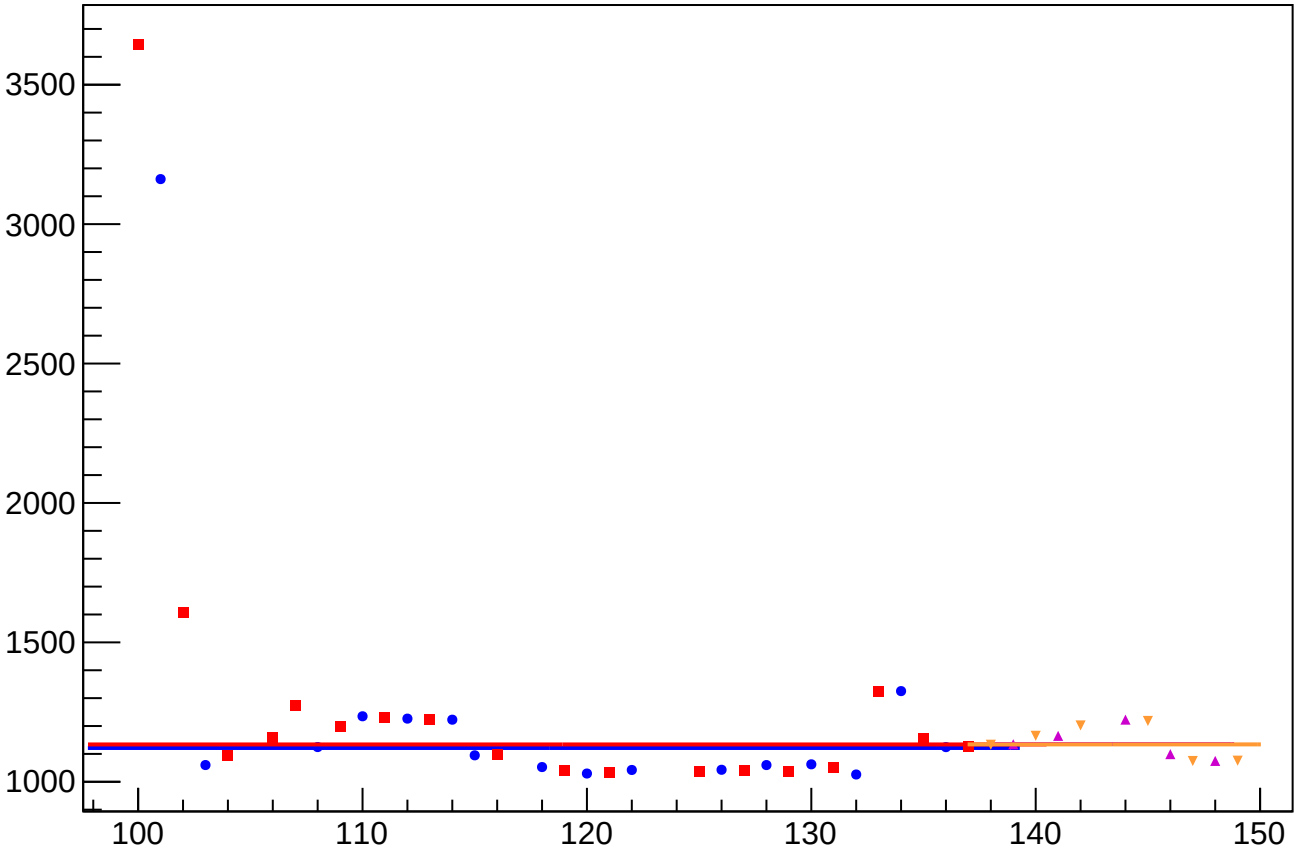
Left In: -597.960+/-543.492 χ^2/NDF:5.6/4

+ sign -45.595+/-333.048 χ^2/NDF: 21.0/21

All: -227.450+/-237.090 χ^2/NDF: 46.1/44

- 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: 1134.151+/-0.377 χ^2/NDF:21747.9/5

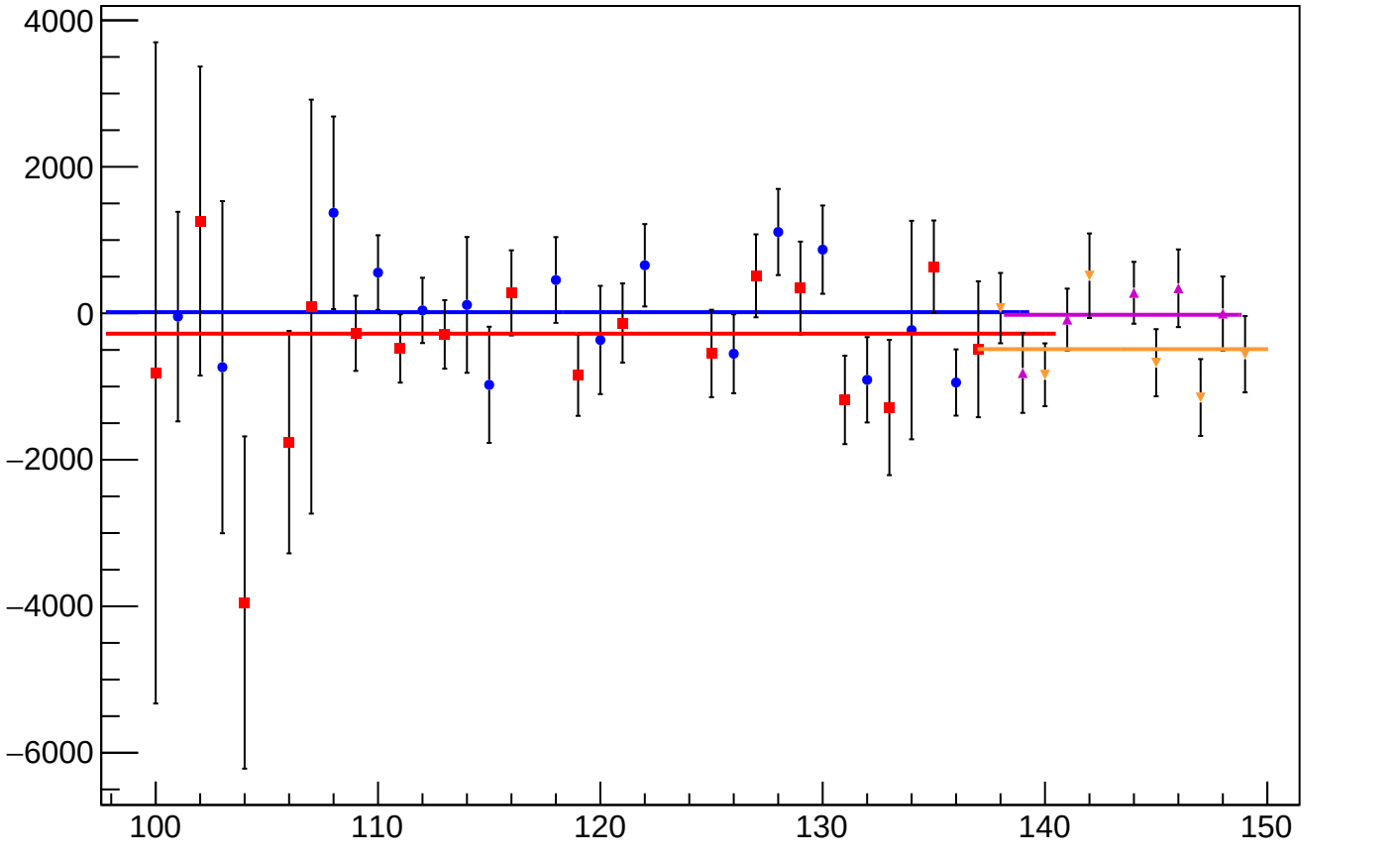
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1135.539+/-0.384 χ^2/NDF:17629.8/4

+ sign 1126.314+/-0.236 χ^2/NDF: 639485.7/21

All: 1130.377+/-0.168 χ^2/NDF: 885186.5/44

- 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: -489.093+/-200.581 χ^2/NDF:6.8/5

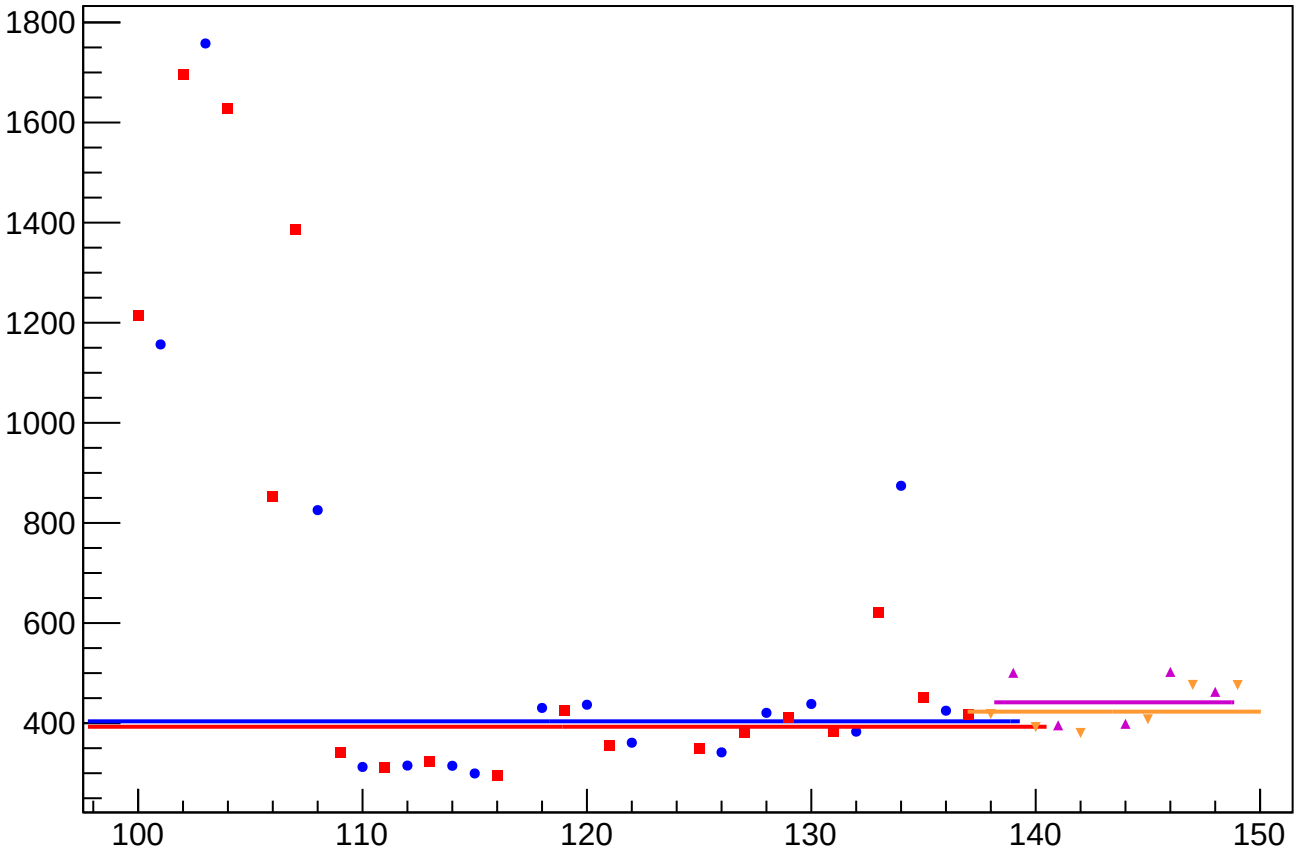
Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -20.419+/-212.952 χ^2/NDF:3.1/4

+ sign -183.602+/-125.956 χ^2/NDF: 30.3/21

All: -184.834+/-89.541 χ^2/NDF: 49.4/44

- sign -186.092+/-127.316 χ^2/NDF: 19.1/22



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 423.000+/-0.142 χ^2/NDF:65174.9/5

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

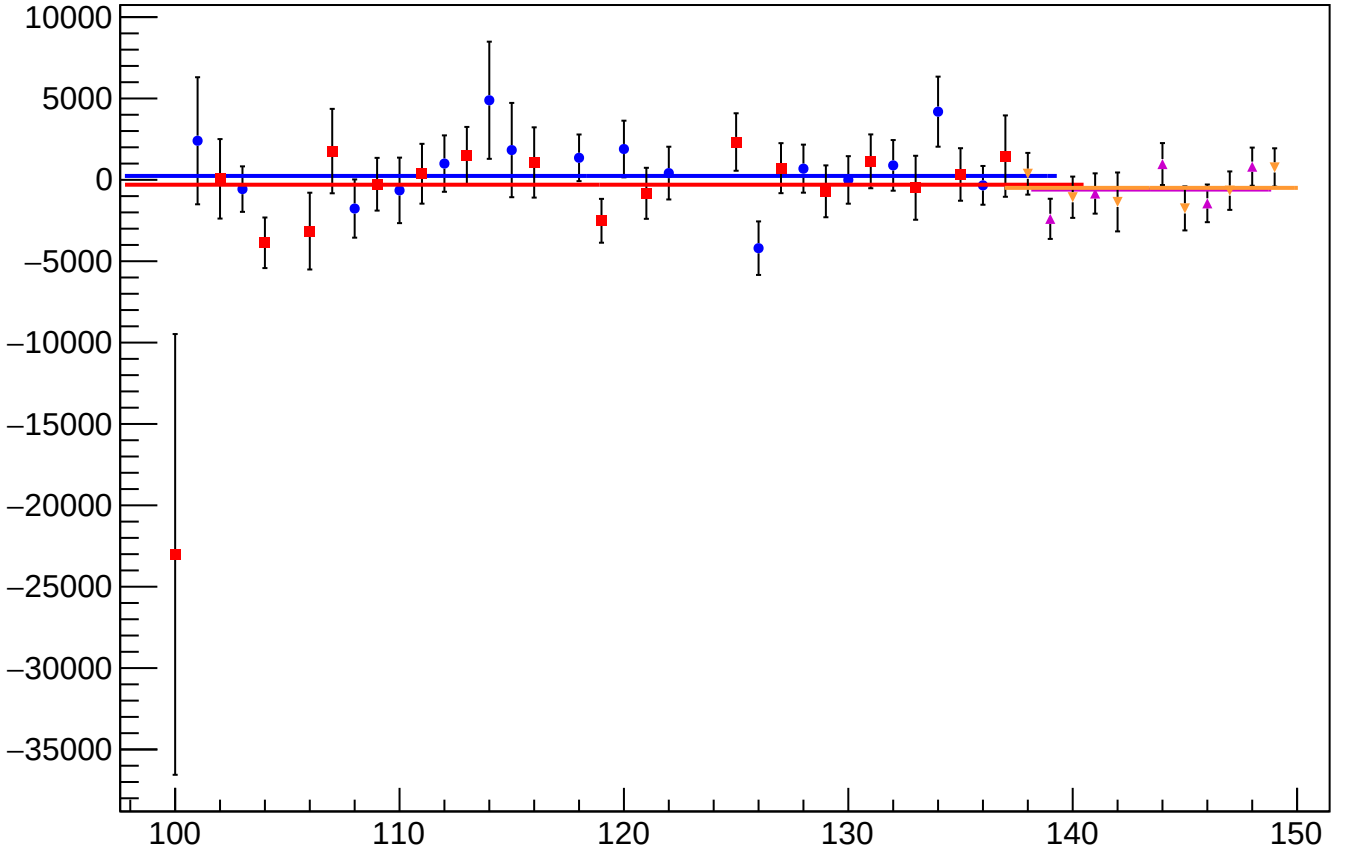
Left In: 441.630+/-0.151 χ^2/NDF:97481.3/4

+ sign 411.284+/-0.089 χ^2/NDF: 2006038.8/21

All: 410.781+/-0.063 χ^2/NDF: 4374552.8/44

- 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: -492.689+/-532.974 χ^2/NDF:2.9/5

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

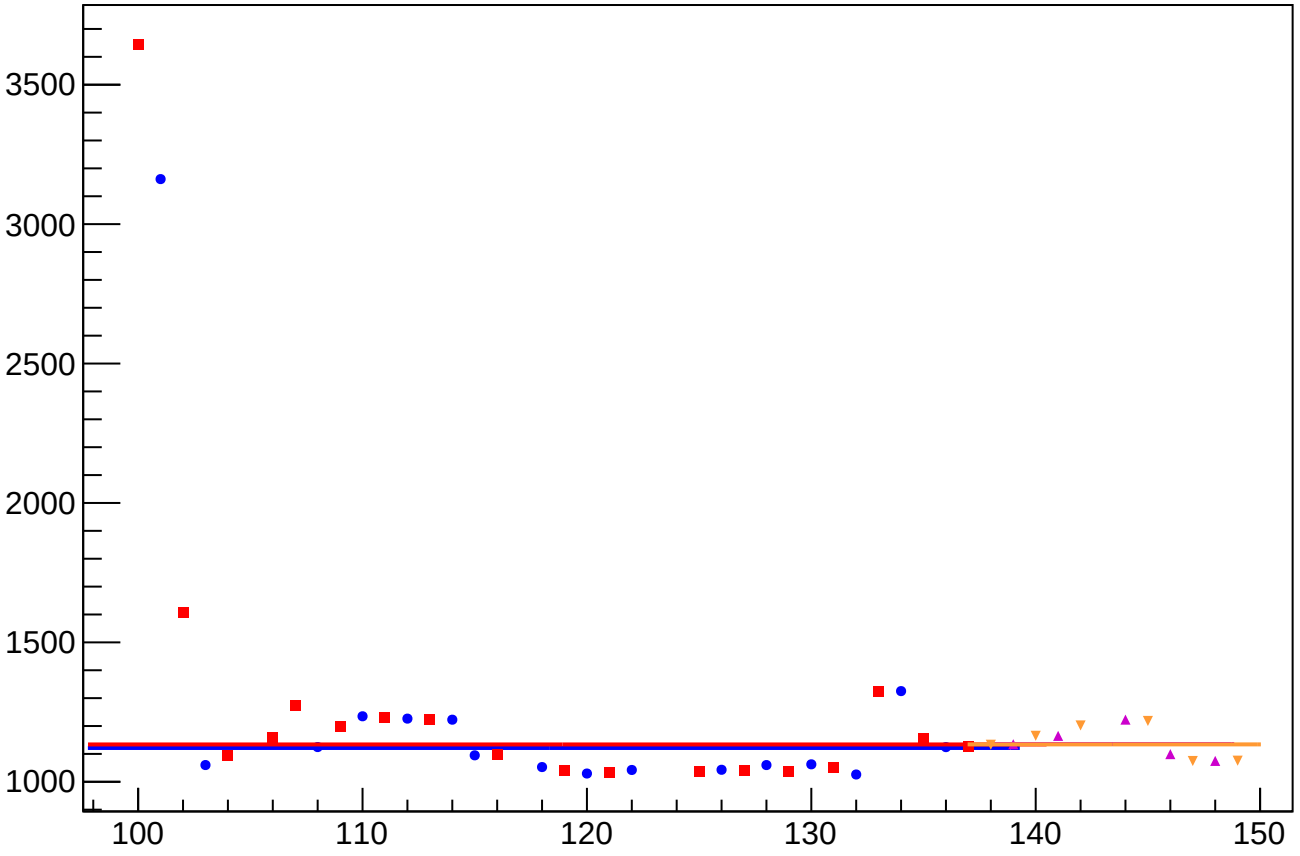
Left In: -597.958+/-543.492 χ^2/NDF:5.6/4

+ sign -45.596+/-333.048 χ^2/NDF: 21.0/21

All: -227.450+/-237.090 χ^2/NDF: 46.1/44

- 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: 1134.151+/-0.377 χ^2/NDF:21748.0/5

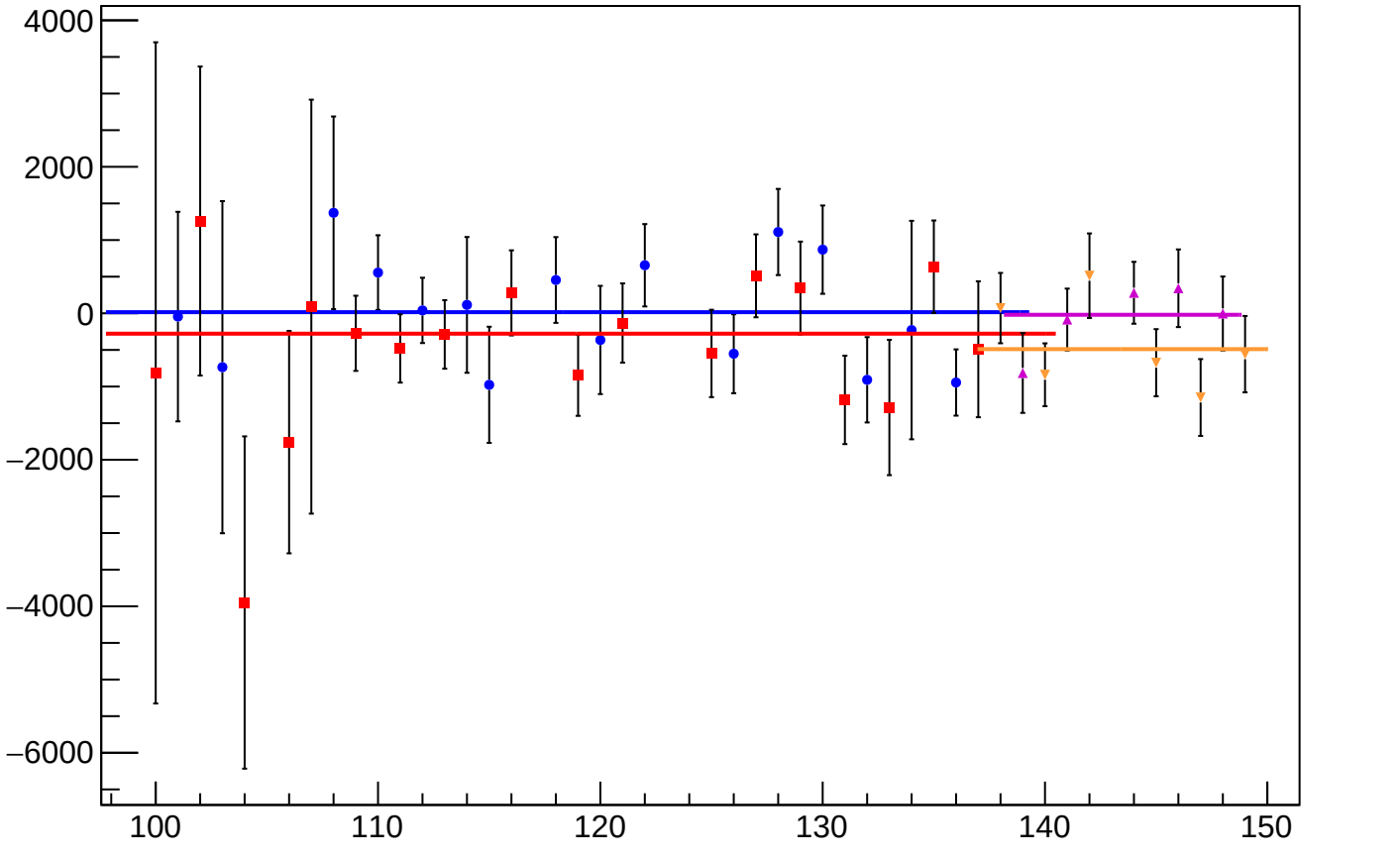
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1135.539+/-0.384 χ^2/NDF:17629.9/4

+ sign 1126.314+/-0.236 χ^2/NDF: 639485.7/21

All: 1130.377+/-0.168 χ^2/NDF: 885186.8/44

- 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: -489.101+/-200.581 χ^2/NDF:6.8/5

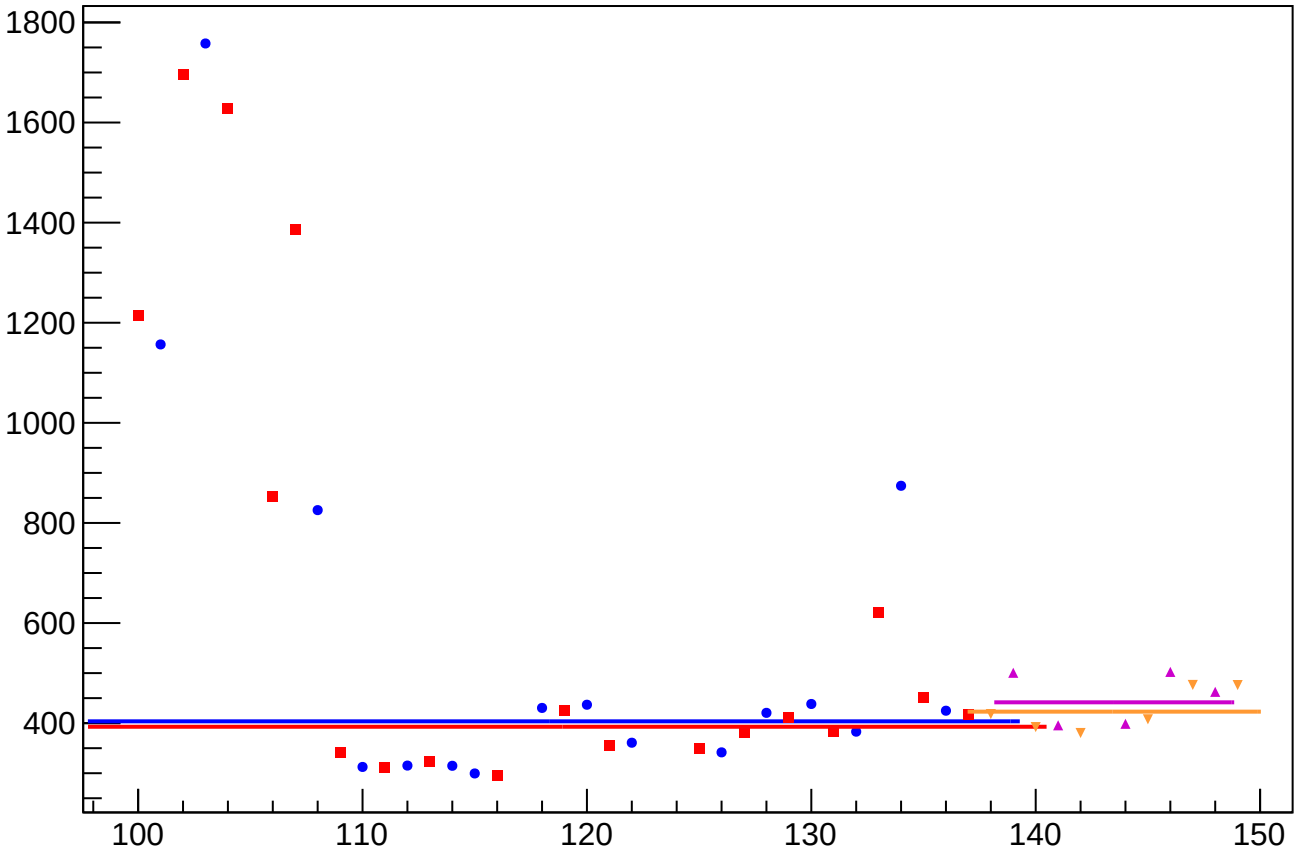
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -20.424+/-212.953 χ^2/NDF:3.1/4

+ sign -183.606+/-125.955 χ^2/NDF: 30.3/21

All: -184.836+/-89.541 χ^2/NDF: 49.4/44

- 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: 423.000+/-0.142 χ^2/NDF:65172.1/5

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

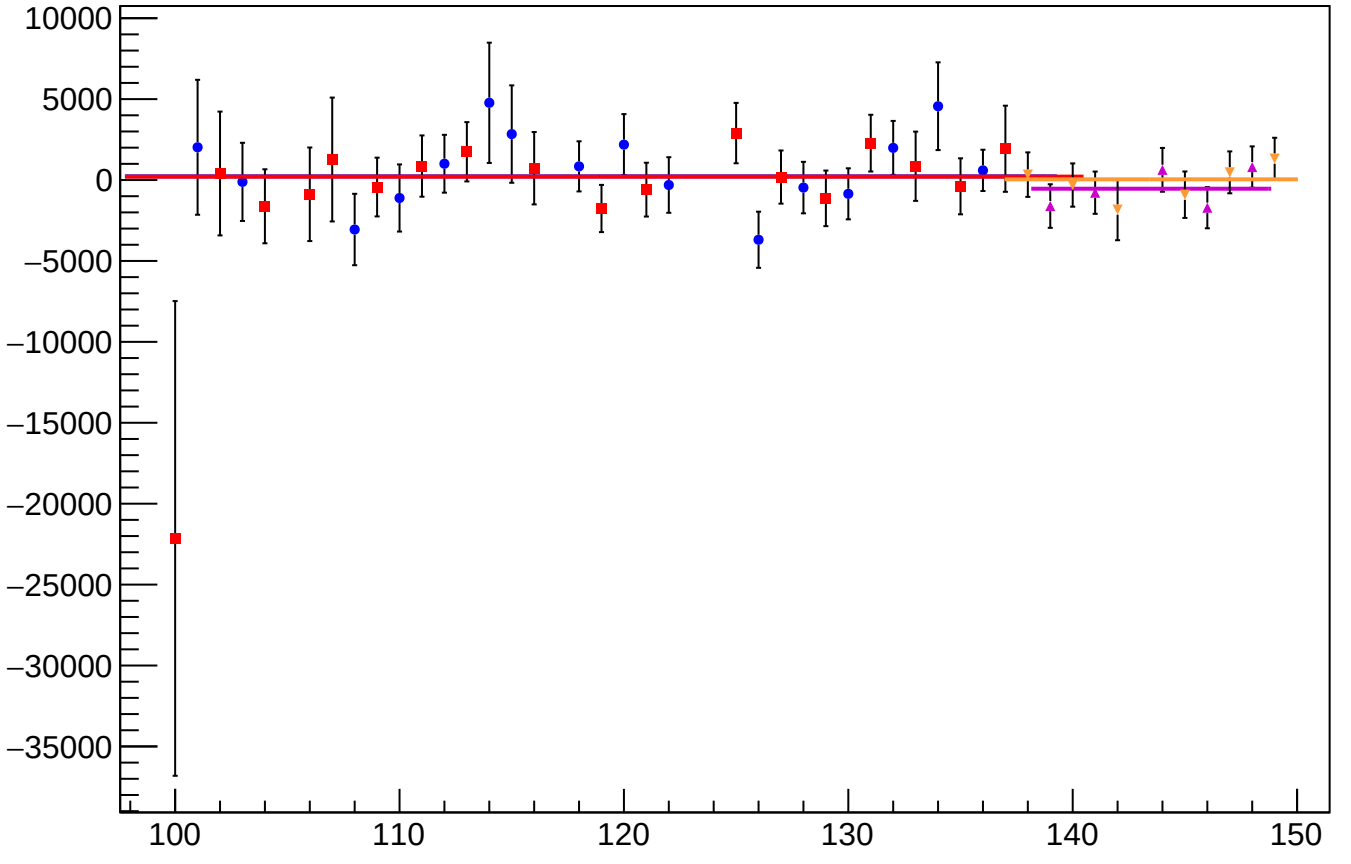
Left In: 441.631+/-0.151 χ^2/NDF:97478.1/4

+ sign 411.282+/-0.089 χ^2/NDF: 2006036.2/21

All: 410.779+/-0.063 χ^2/NDF: 4374567.4/44

- 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: 43.511+/-572.291 χ^2/NDF:2.6/5

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

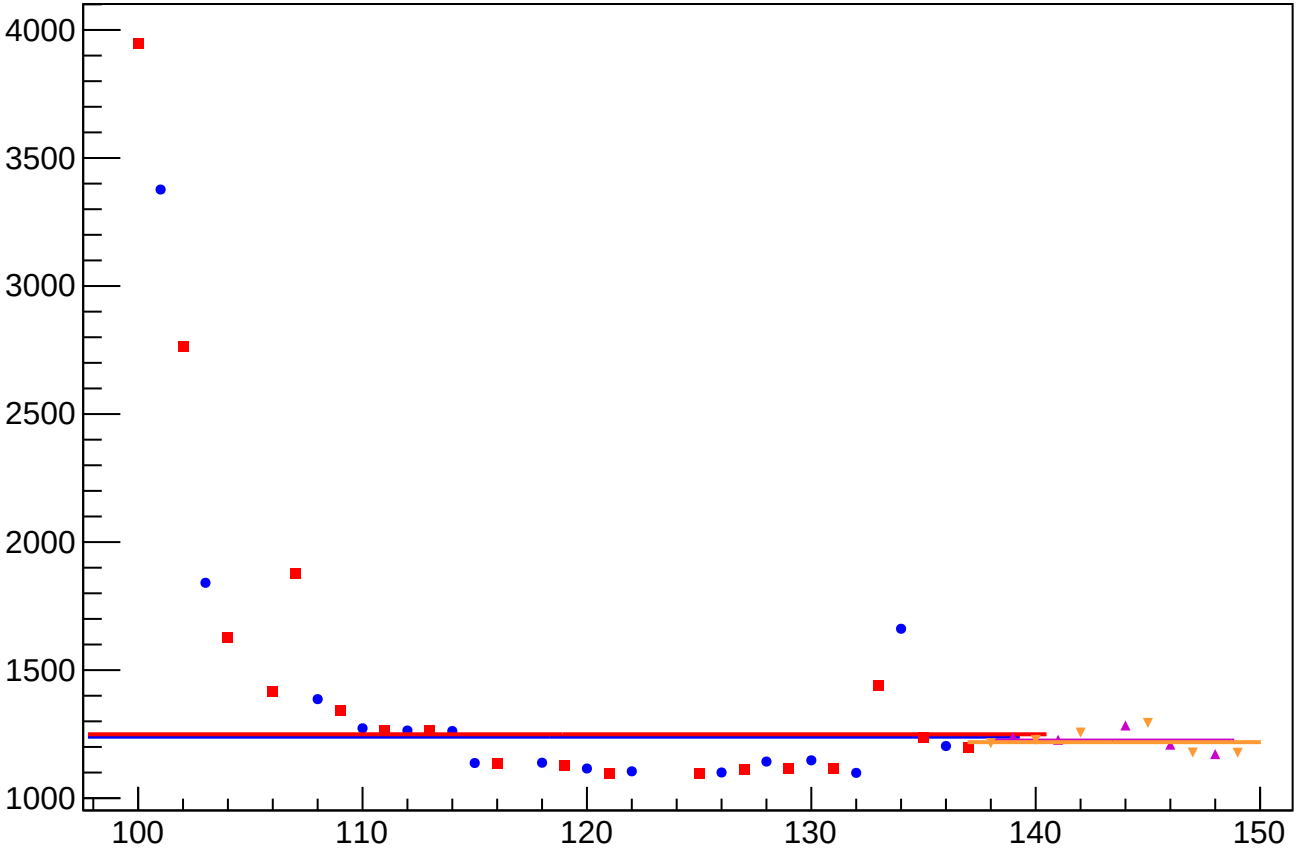
Left In: -536.916+/-585.887 χ^2/NDF:3.4/4

+ sign 150.944+/-365.303 χ^2/NDF: 18.8/21

All: 32.845+/-260.053 χ^2/NDF: 34.3/44

- 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: 1218.713+/-0.405 χ^2/NDF:10384.2/5

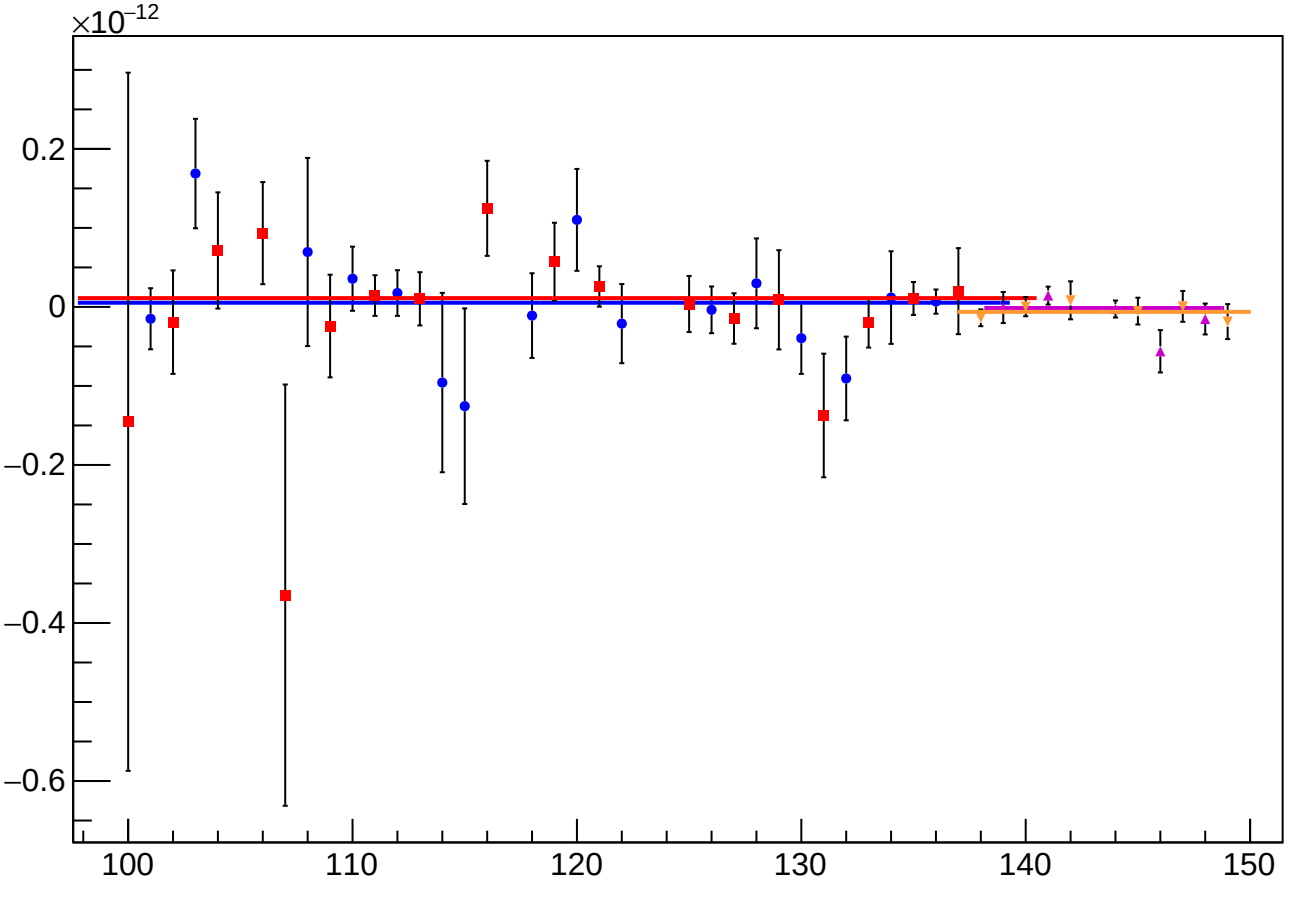
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1224.794+/-0.414 χ^2/NDF:7742.5/4

+ sign 1231.410+/-0.258 χ^2/NDF: 794725.1/21

All: 1235.438+/-0.184 χ^2/NDF: 1411180.3/44

- 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:1.6/5

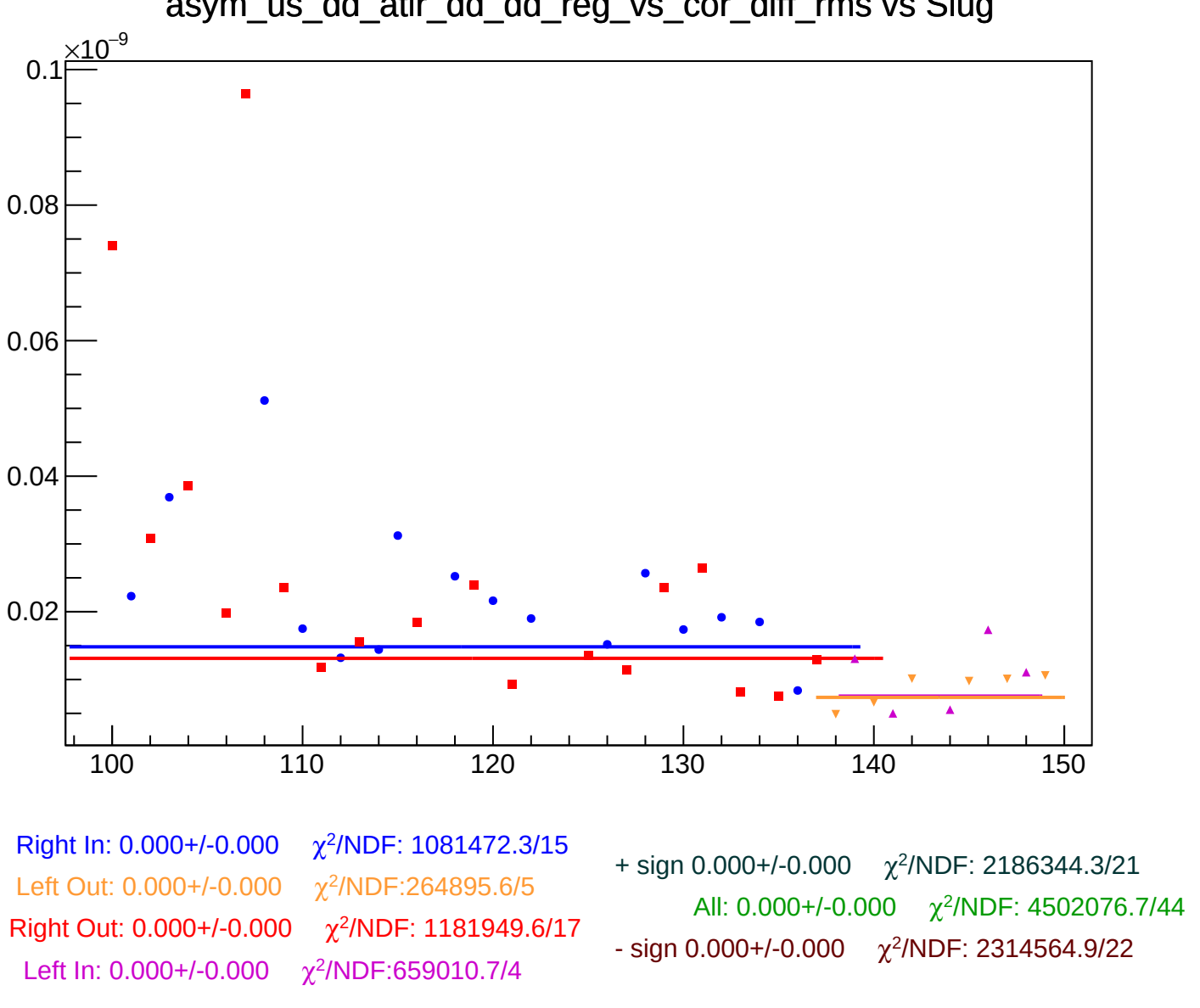
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: -0.000+/-0.000 χ^2/NDF:6.6/4

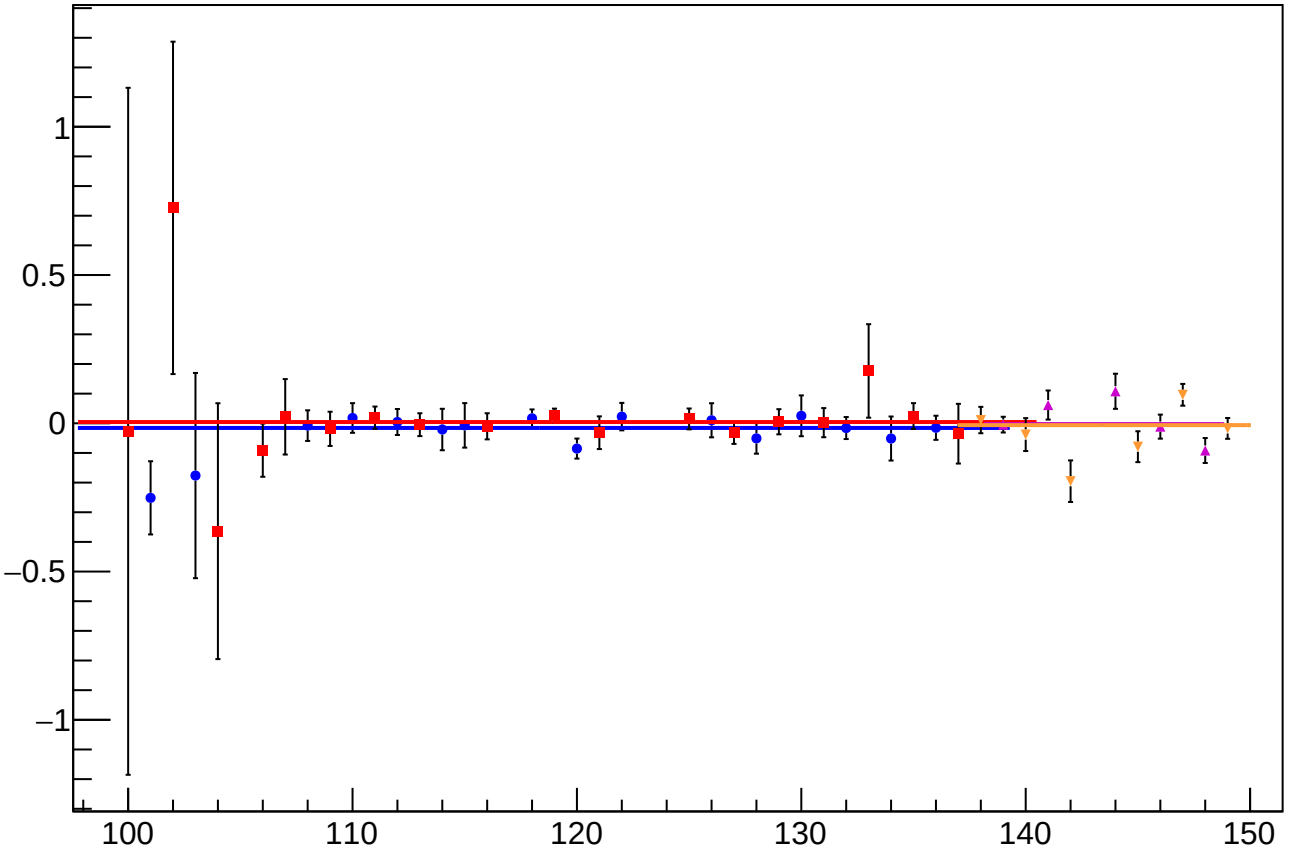
+ sign -0.000+/-0.000 χ^2/NDF: 19.0/21

All: -0.000+/-0.000 χ^2/NDF: 42.4/44

- 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:264895.6/5
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: 2186344.3/21
All: 0.000+/-0.000 χ²/NDF: 4502076.7/44
- sign 0.000+/-0.000 χ²/NDF: 2314564.9/22

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.006+/-0.018 χ^2/NDF:17.6/5

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

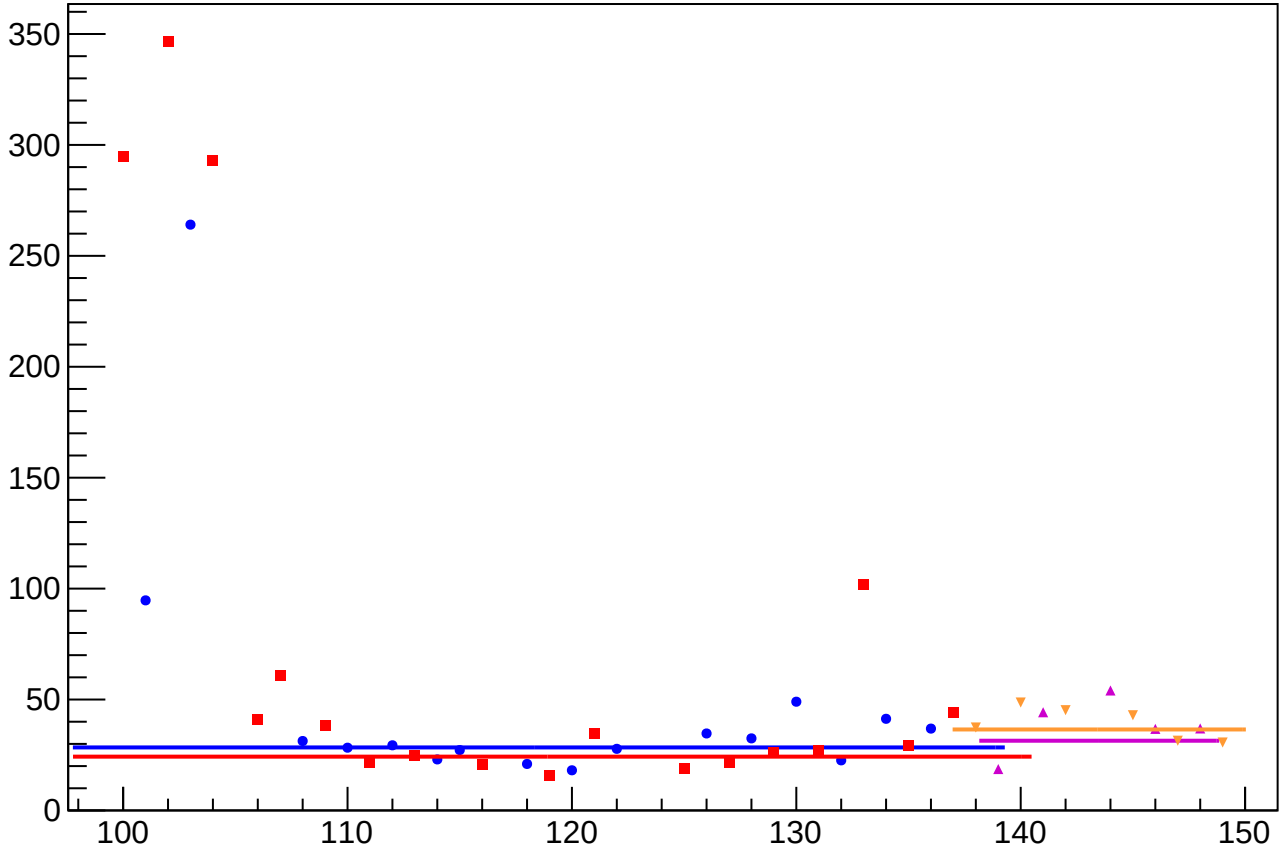
Left In: -0.003+/-0.017 χ^2/NDF:9.7/4

+ sign -0.013+/-0.010 χ^2/NDF: 29.7/21

All: -0.005+/-0.007 χ^2/NDF: 48.5/44

- 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: 36.506+/-0.013 χ^2/NDF:251751.7/5

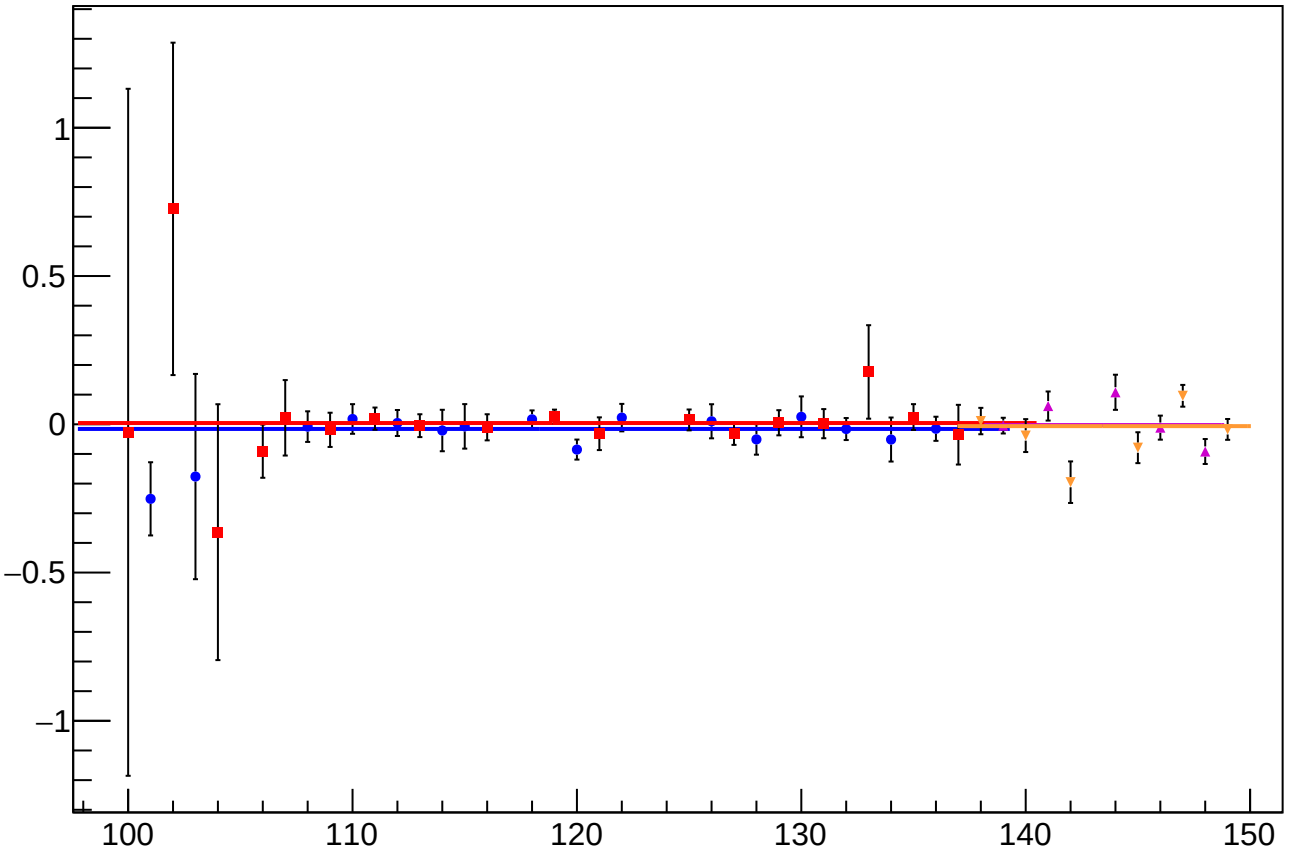
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 31.431+/-0.012 χ^2/NDF:962478.5/4

+ sign 30.913+/-0.007 χ^2/NDF: 2764847.8/21

All: 28.514+/-0.005 χ^2/NDF: 7084178.4/44

- 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: -0.006+/-0.018 χ^2/NDF:17.6/5

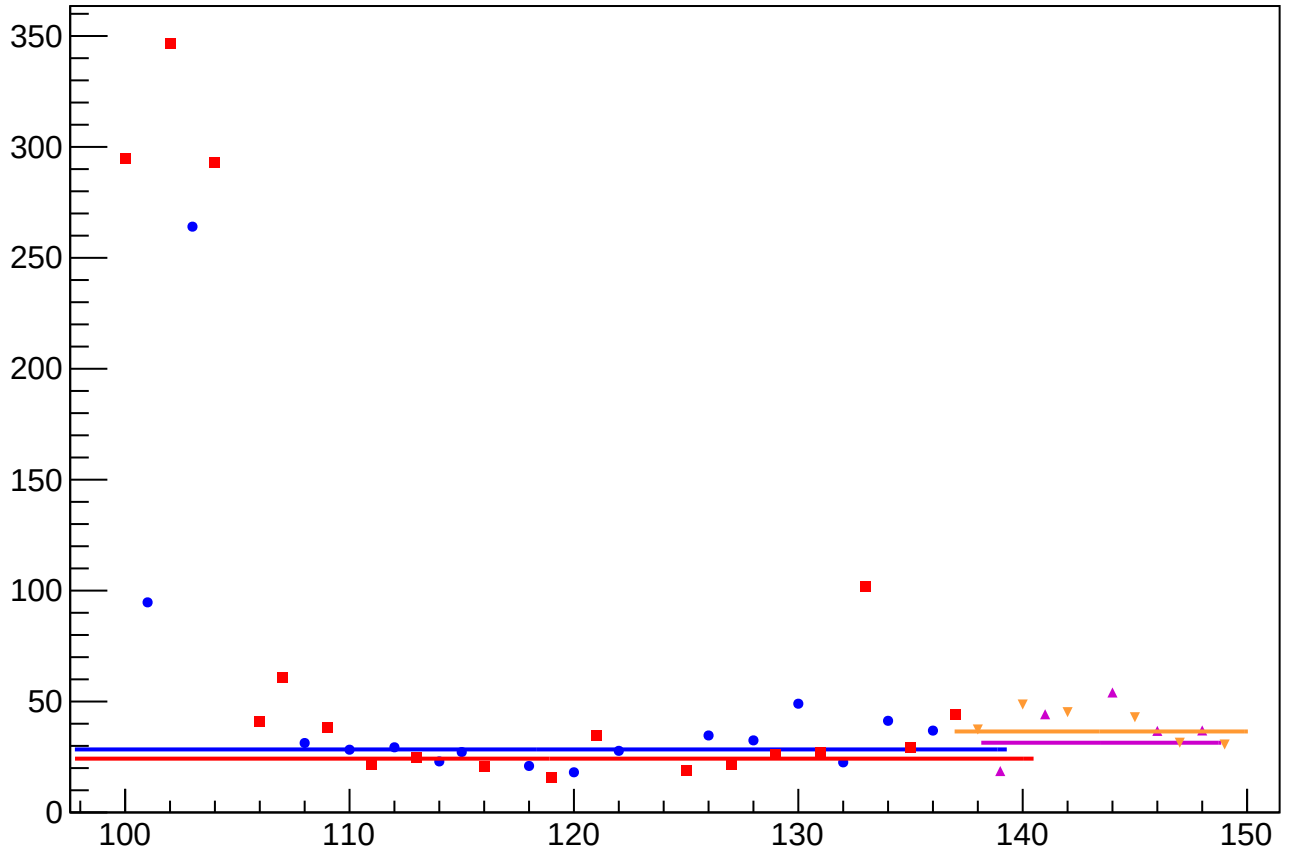
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.003+/-0.017 χ^2/NDF:9.7/4

+ sign -0.013+/-0.010 χ^2/NDF: 29.7/21

All: -0.005+/-0.007 χ^2/NDF: 48.5/44

- sign 0.002+/-0.010 χ^2/NDF: 17.7/22



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 36.506+/-0.013 χ^2/NDF:251751.7/5

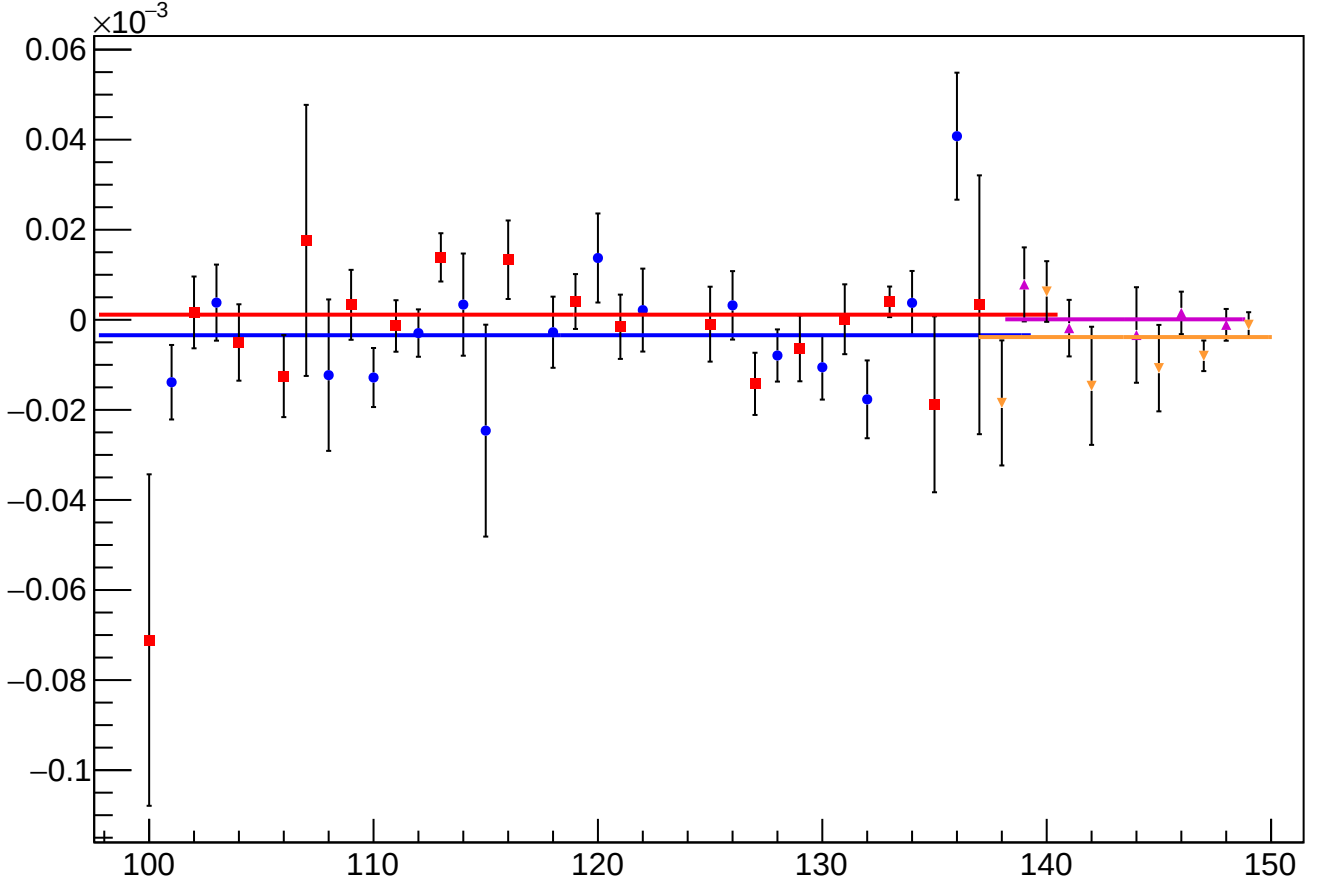
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 31.431+/-0.012 χ^2/NDF:962478.5/4

+ sign 30.913+/-0.007 χ^2/NDF: 2764847.8/21

All: 28.514+/-0.005 χ^2/NDF: 7084178.4/44

- 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:7.0/5

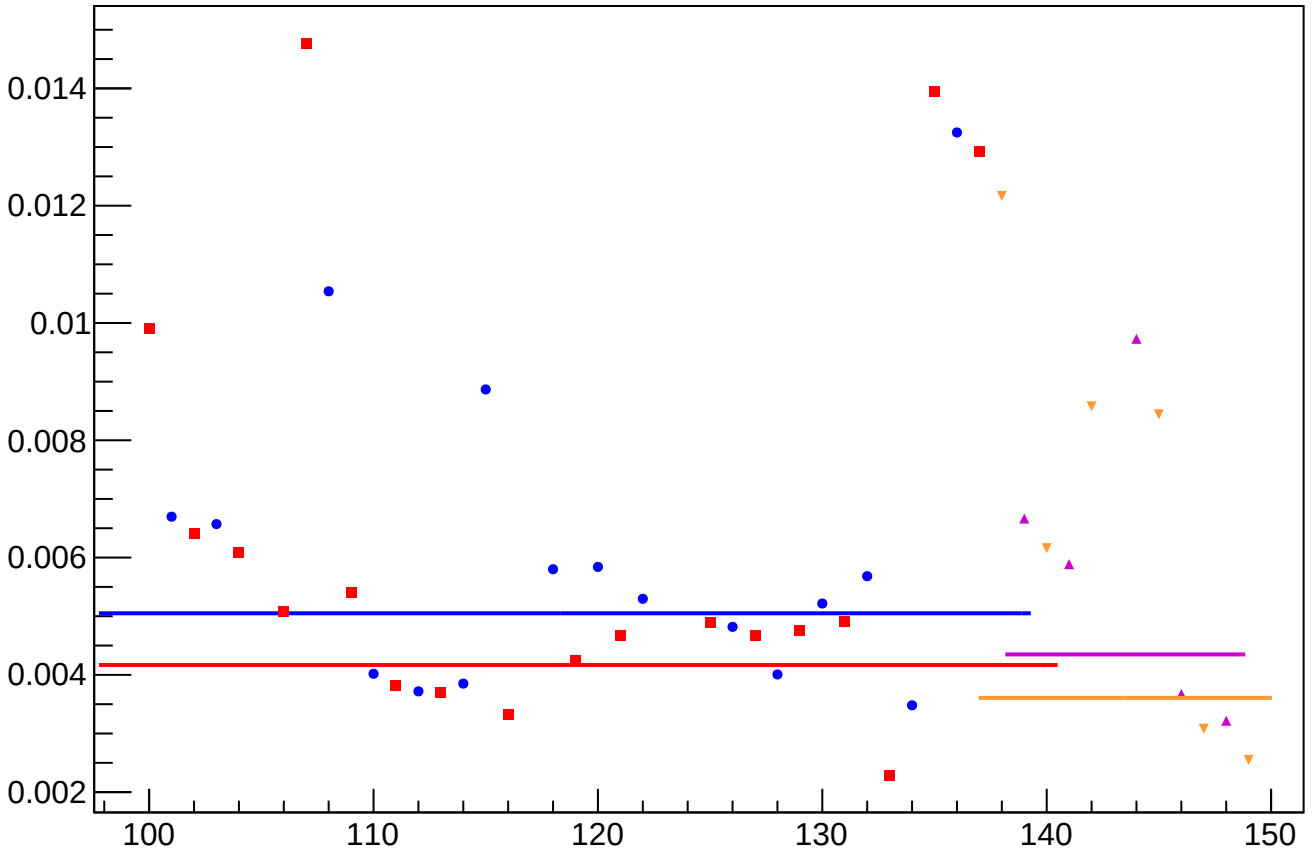
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 32.2/21

All: -0.000+/-0.000 χ^2/NDF: 61.6/44

- 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: 0.004+/-0.000 χ^2/NDF:2177929.1/5

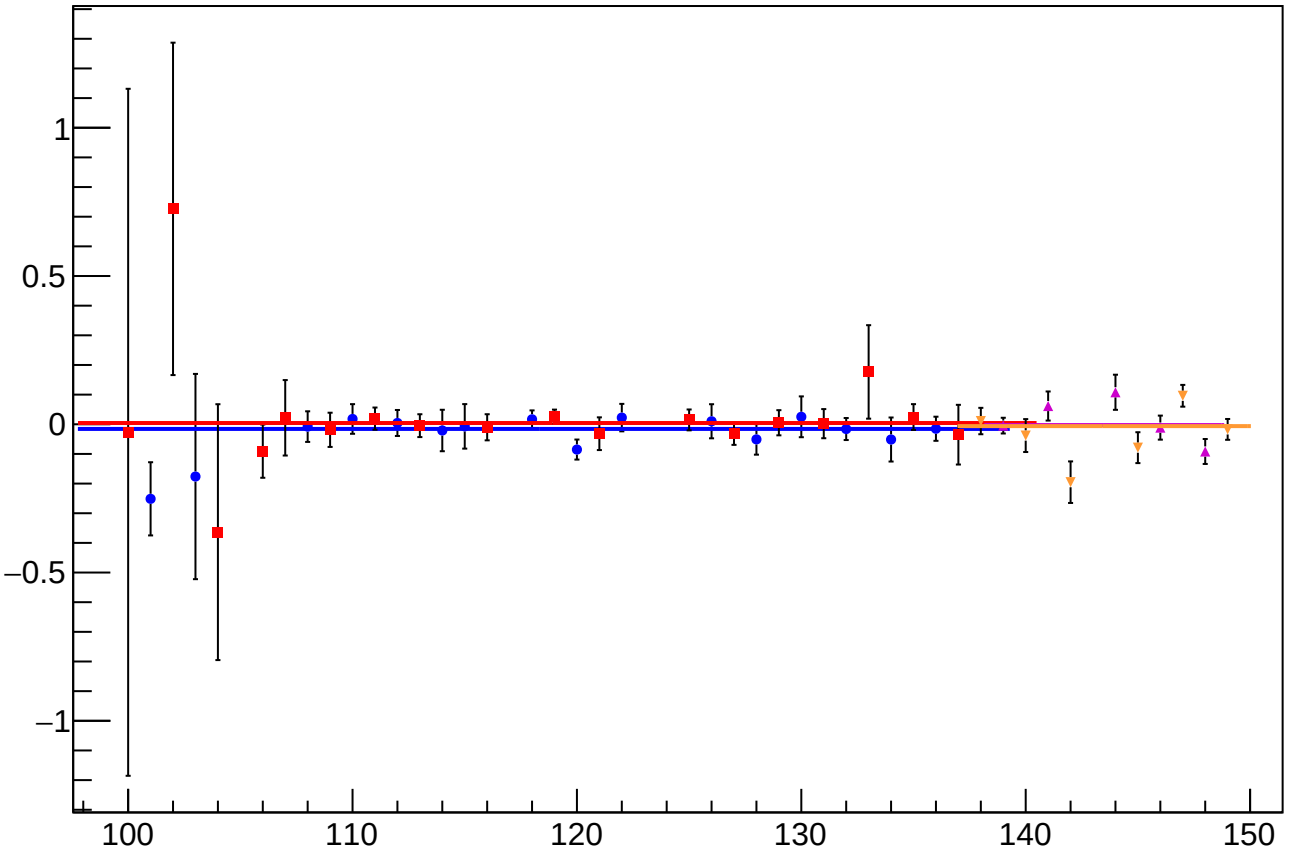
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:1040351.0/4

+ sign 0.004+/-0.000 χ^2/NDF: 4195004.2/21

All: 0.004+/-0.000 χ^2/NDF: 7287975.9/44

- 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: -0.006+/-0.018 χ^2/NDF:17.6/5

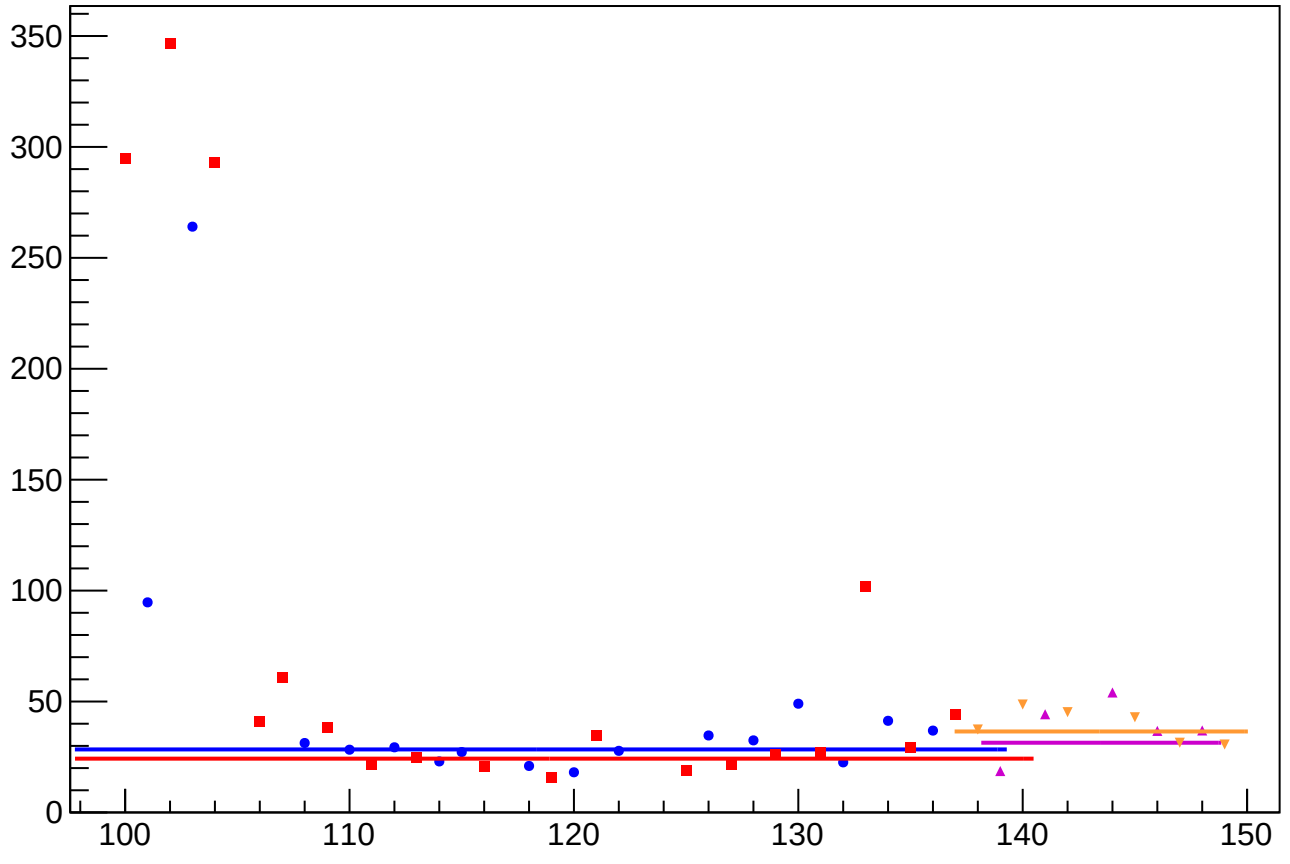
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.003+/-0.017 χ^2/NDF:9.7/4

+ sign -0.013+/-0.010 χ^2/NDF: 29.7/21

All: -0.005+/-0.007 χ^2/NDF: 48.5/44

- 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: 36.504+/-0.013 χ^2/NDF:251857.5/5

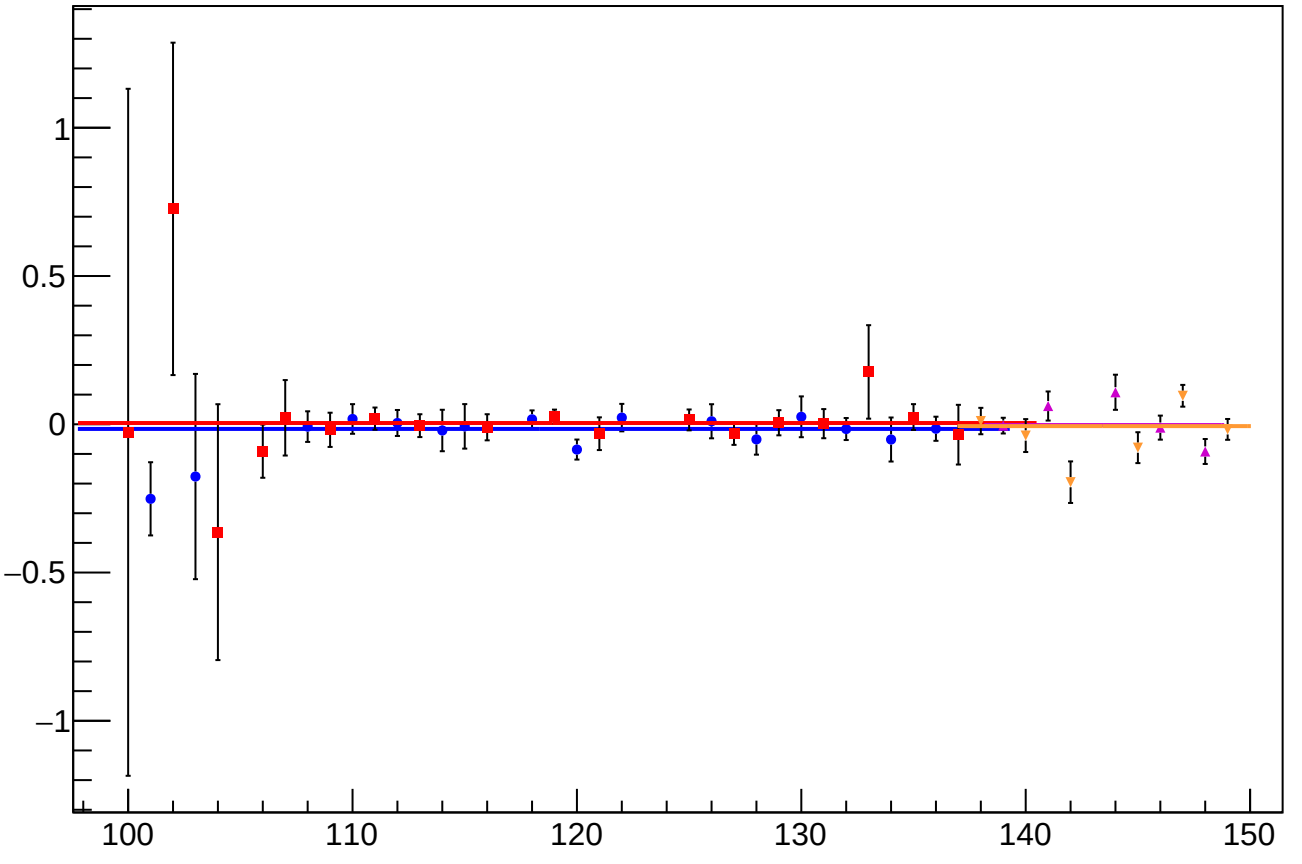
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 31.428+/-0.012 χ^2/NDF:962753.8/4

+ sign 30.913+/-0.007 χ^2/NDF: 2764889.6/21

All: 28.513+/-0.005 χ^2/NDF: 7084830.3/44

- 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: -0.006+/-0.018 χ^2/NDF:17.6/5

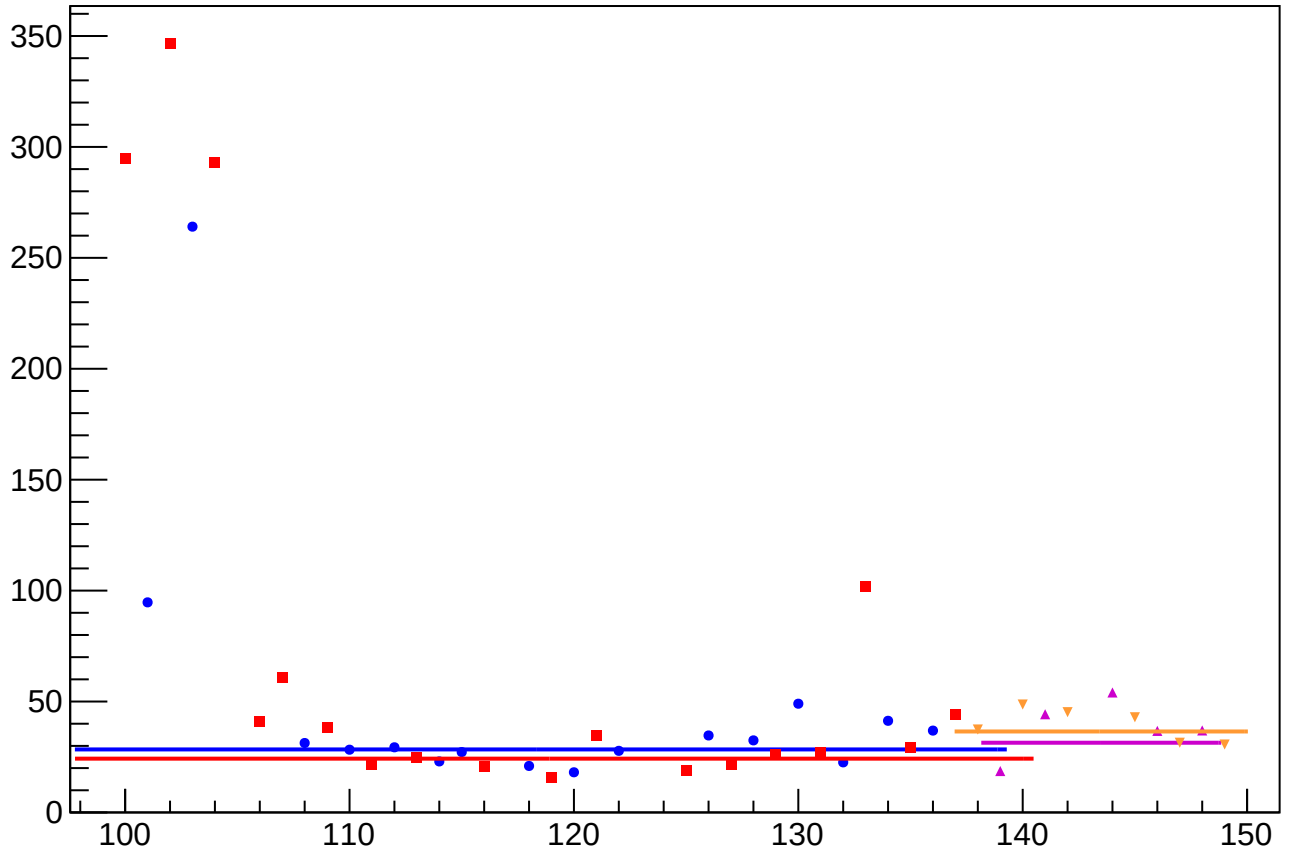
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.003+/-0.017 χ^2/NDF:9.7/4

+ sign -0.013+/-0.010 χ^2/NDF: 29.7/21

All: -0.005+/-0.007 χ^2/NDF: 48.5/44

- 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: 36.504+/-0.013 χ^2/NDF:251857.5/5

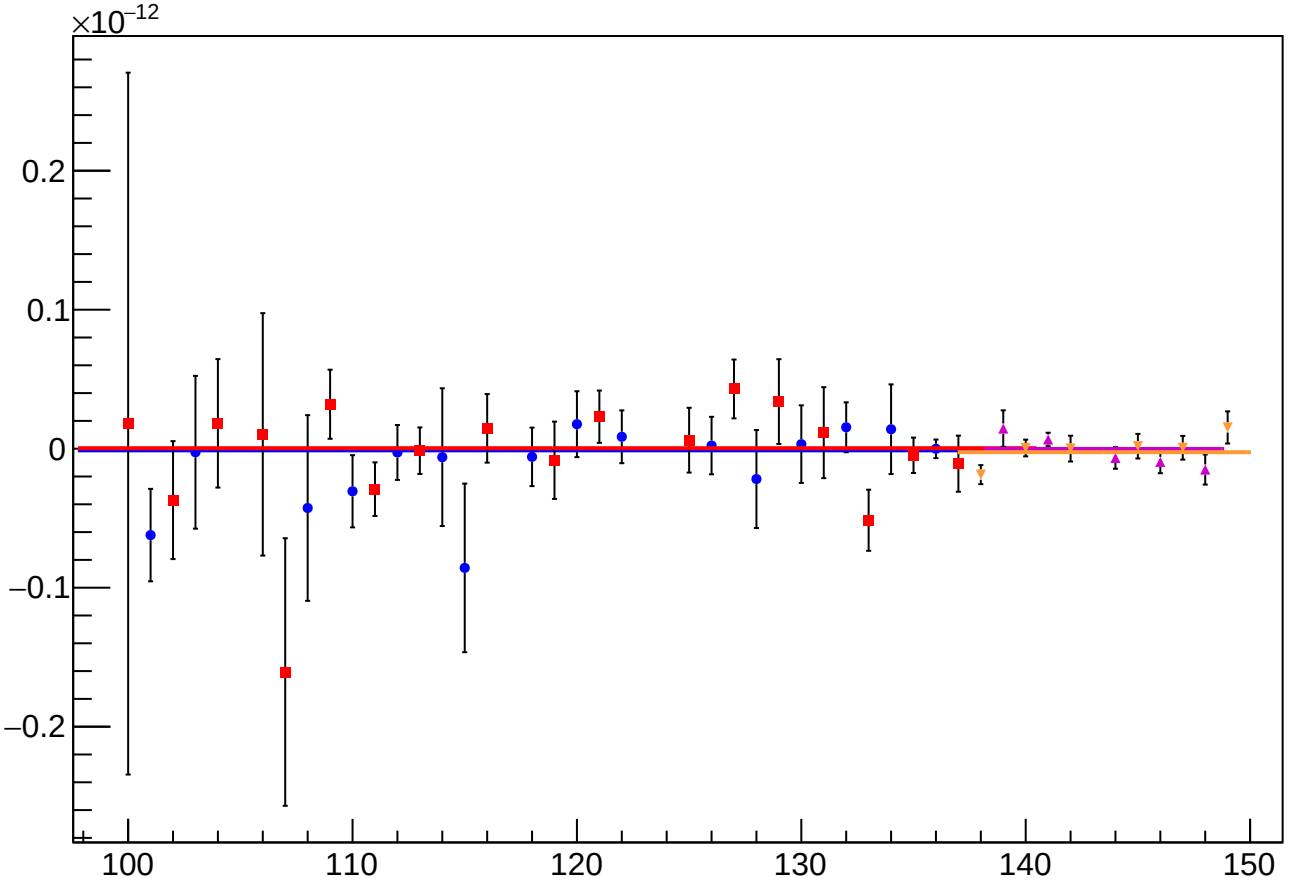
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 31.428+/-0.012 χ^2/NDF:962753.8/4

+ sign 30.913+/-0.007 χ^2/NDF: 2764889.6/21

All: 28.513+/-0.005 χ^2/NDF: 7084830.3/44

- sign 26.416+/-0.007 χ^2/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:8.7/5

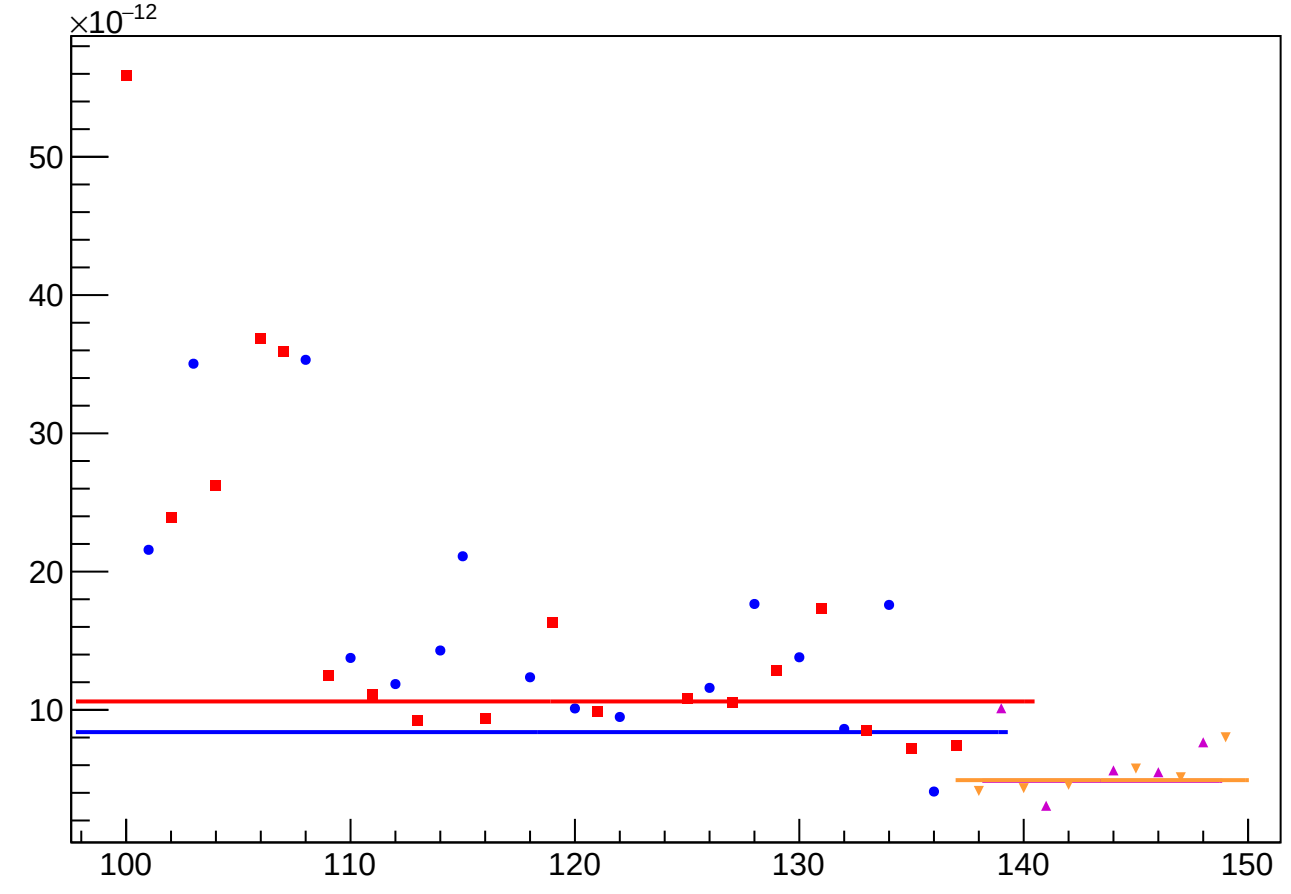
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:7.1/4

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

All: -0.000+/-0.000 χ^2/NDF: 46.6/44

- sign -0.000+/-0.000 χ^2/NDF: 28.2/22



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:210125.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

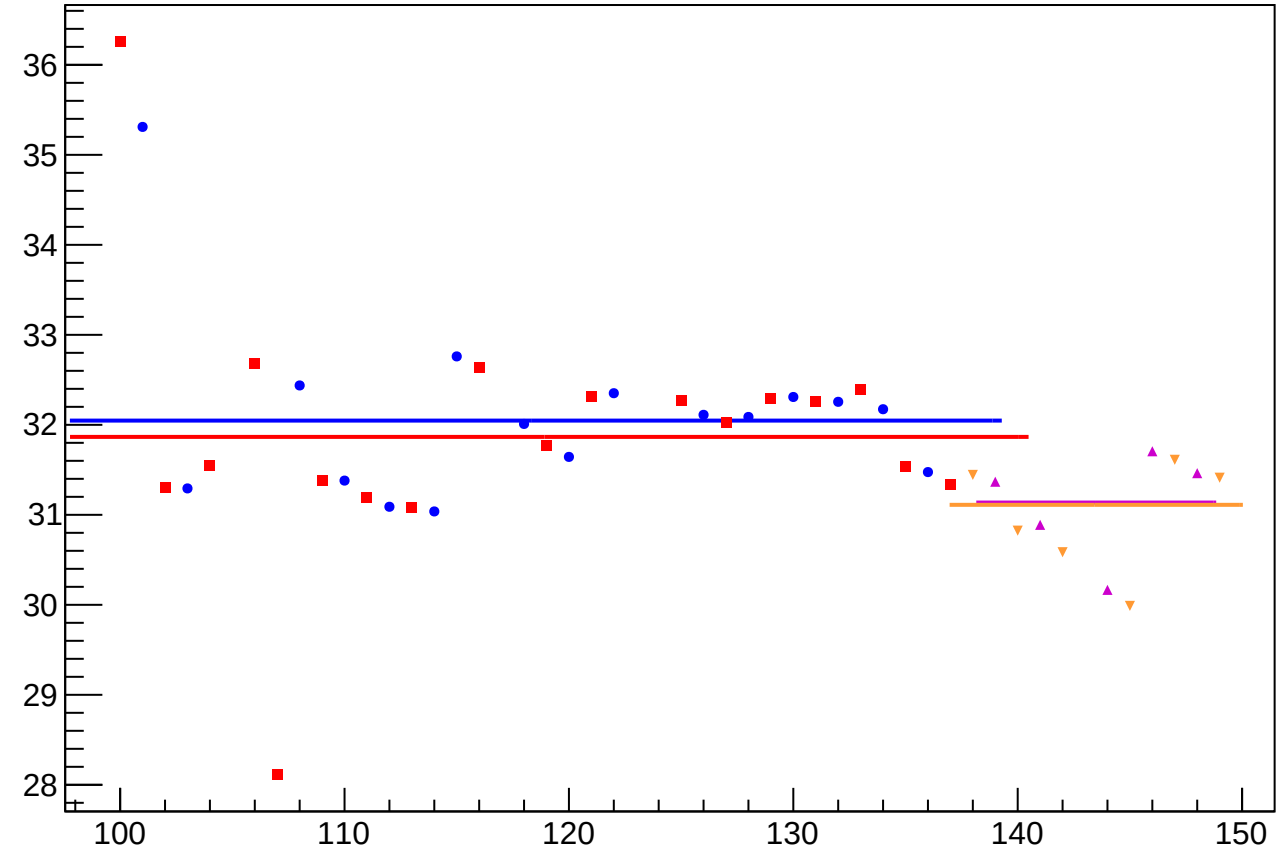
Left In: 0.000+/-0.000 χ^2/NDF:757479.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 3643154.8/21

All: 0.000+/-0.000 χ^2/NDF: 7189768.7/44

- sign 0.000+/-0.000 χ^2/NDF: 3529113.9/22

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.111+/-0.000 χ^2/NDF:177868750.2/5

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

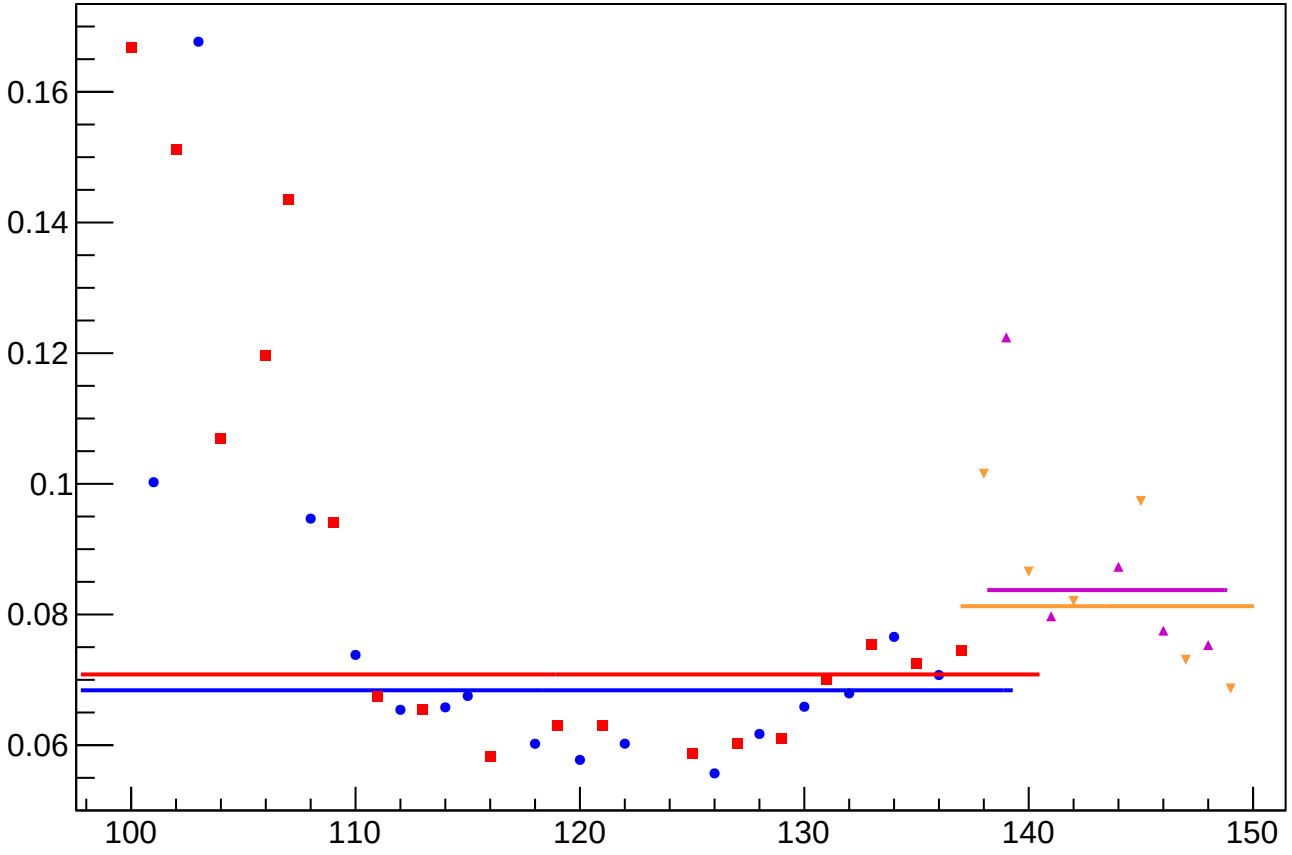
Left In: 31.136+/-0.000 χ^2/NDF:166033171.5/4

+ sign 31.757+/-0.000 χ^2/NDF: 1439110059.3/21

All: 31.703+/-0.000 χ^2/NDF: 2303188969.0/4

- 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: 0.081+/-0.000 χ^2/NDF:173511.8/5

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

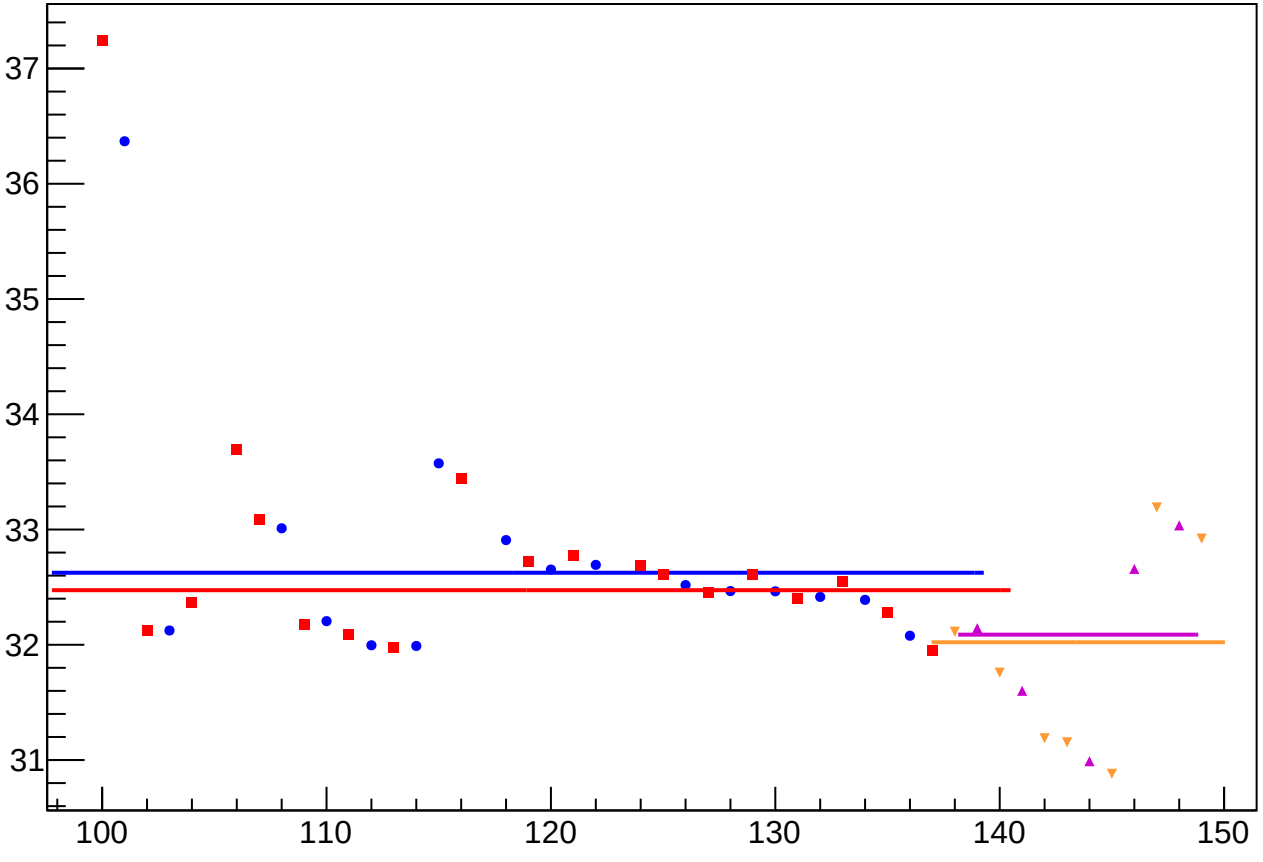
Left In: 0.084+/-0.000 χ^2/NDF:192619.0/4

+ sign 0.072+/-0.000 χ^2/NDF: 1013890.8/21

All: 0.074+/-0.000 χ^2/NDF: 2210577.9/44

- 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: 32.022+/-0.000 χ^2/NDF:608628863.5/6

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

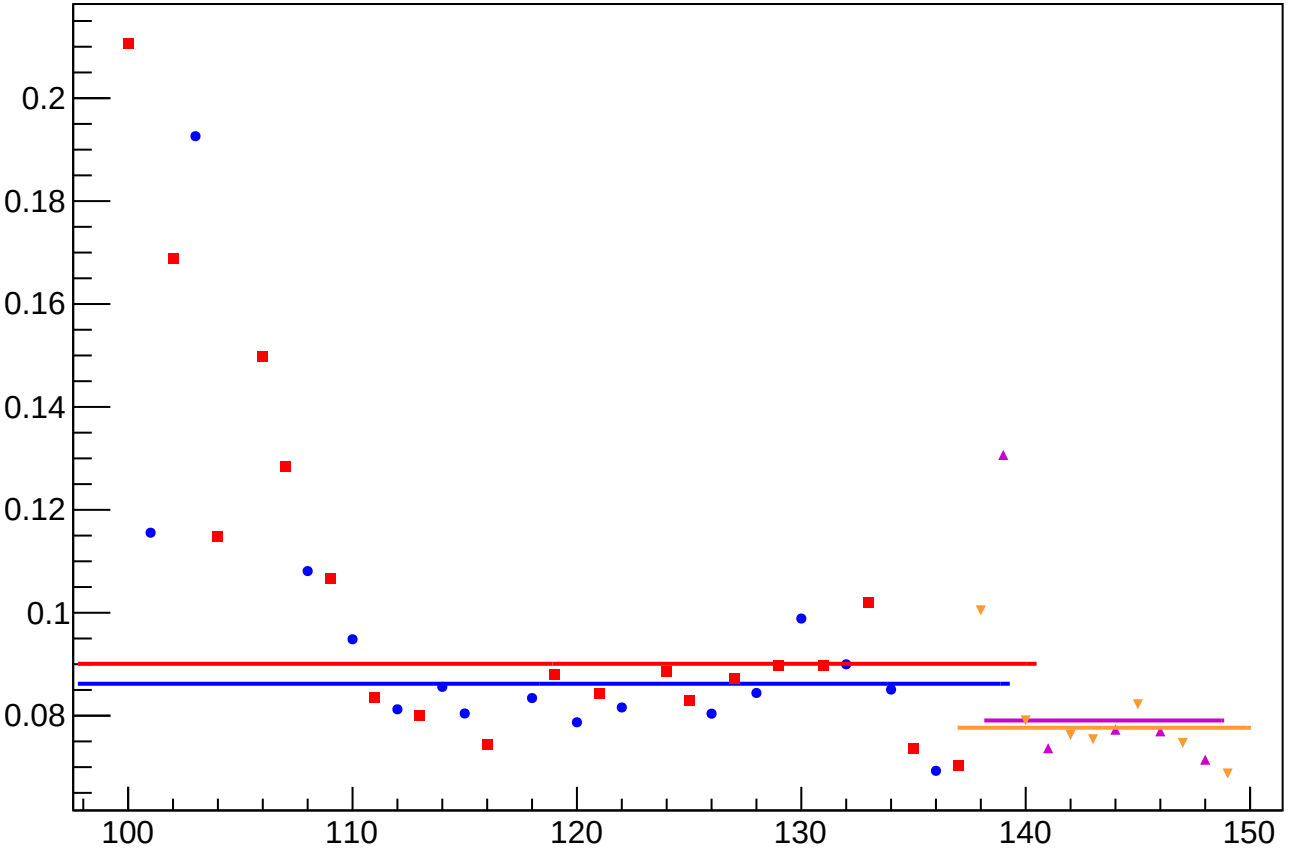
Left In: 32.088+/-0.000 χ^2/NDF:381030116.6/4

\+ sign 32.335+/-0.000 χ^2/NDF: 1495577666.9/22

All: 32.321+/-0.000 χ^2/NDF: 2085874652.2/4

\- sign 32.305+/-0.000 χ^2/NDF: 589601669.5/23

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.078+/-0.000 χ^2/NDF:108844.4/6

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

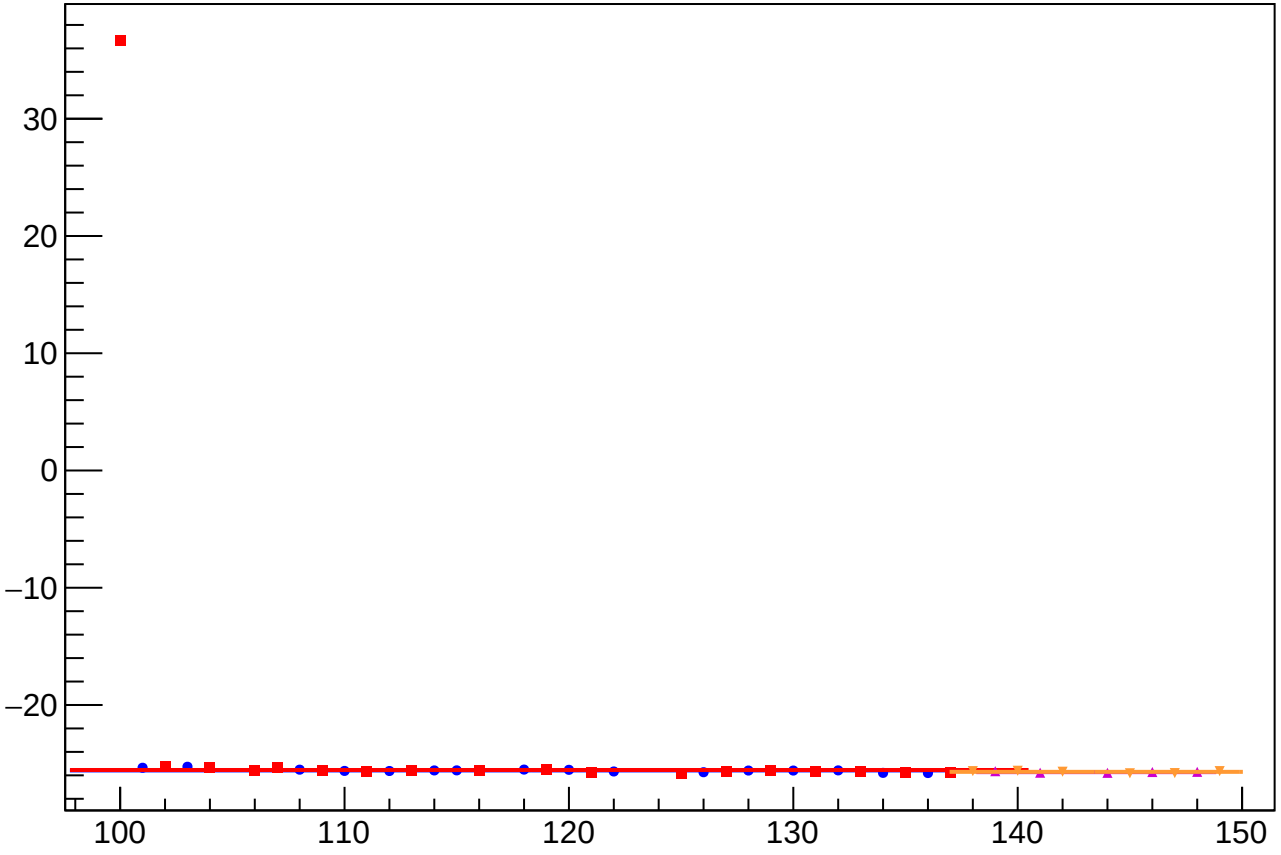
Left In: 0.079+/-0.000 χ^2/NDF:282815.7/4

+ sign 0.082+/-0.000 χ^2/NDF: 766893.6/22

All: 0.084+/-0.000 χ^2/NDF: 1771170.7/46

- sign 0.085+/-0.000 χ^2/NDF: 989168.9/23

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.702+/-0.000 χ^2/NDF:17814472.5/5

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

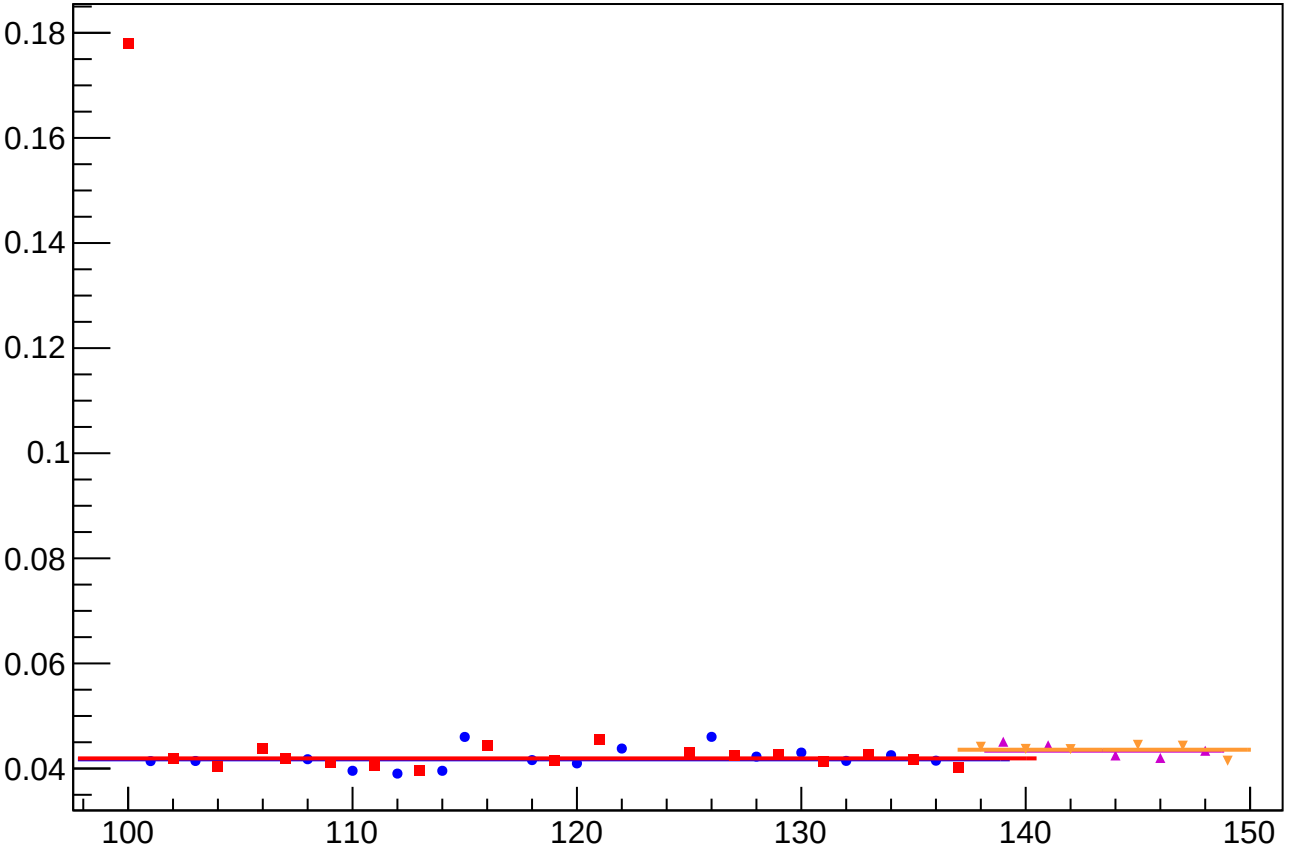
Left In: -25.726+/-0.000 χ^2/NDF:5691670.0/4

+ sign -25.624+/-0.000 χ^2/NDF: 138726185.1/21

All: -25.616+/-0.000 χ^2/NDF: 9101722325.5/

- 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:5660.9/5

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

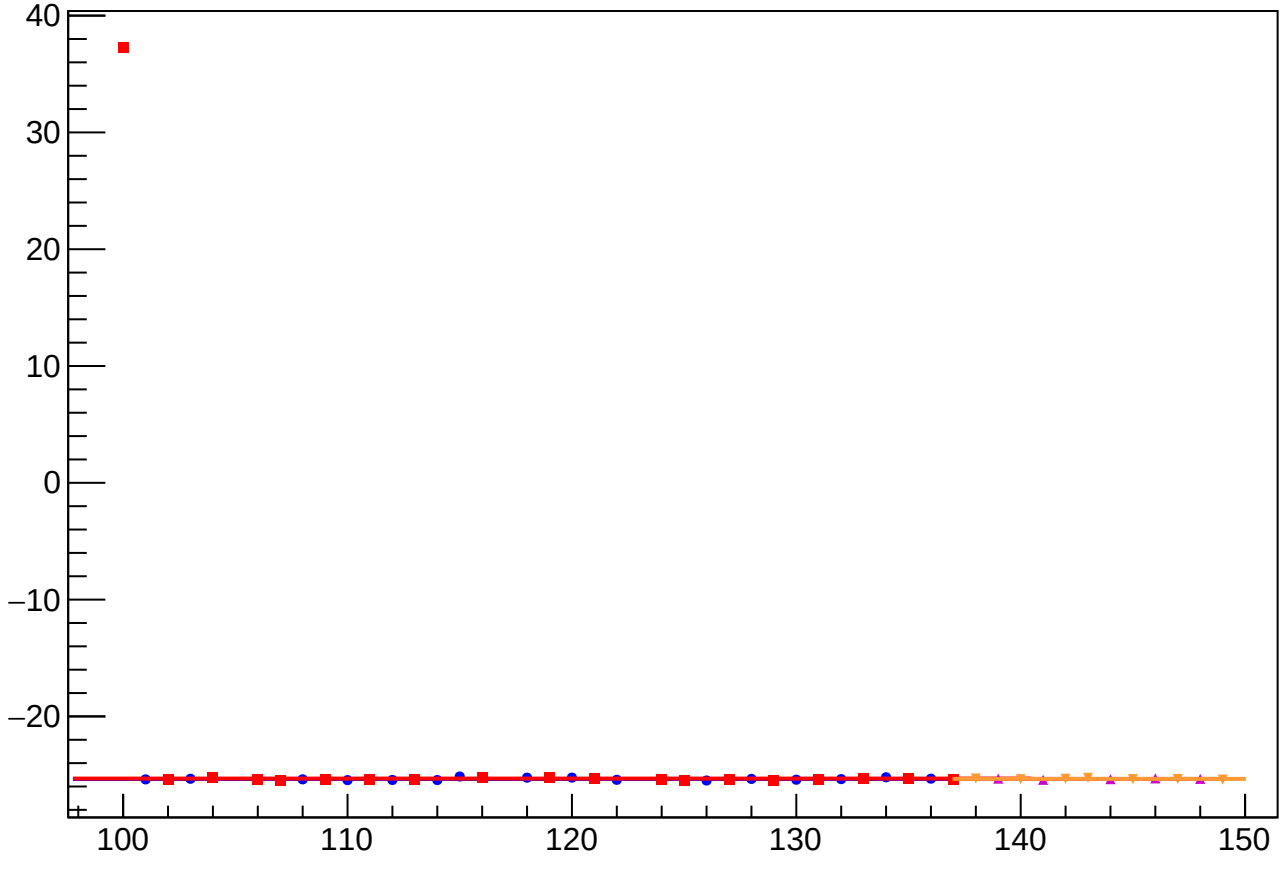
Left In: 0.043+/-0.000 χ^2/NDF:6035.1/4

+ sign 0.042+/-0.000 χ^2/NDF: 36448.4/21

All: 0.042+/-0.000 χ^2/NDF: 148989.9/44

- 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: -25.349+/-0.000 χ^2/NDF:3510787.0/6

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

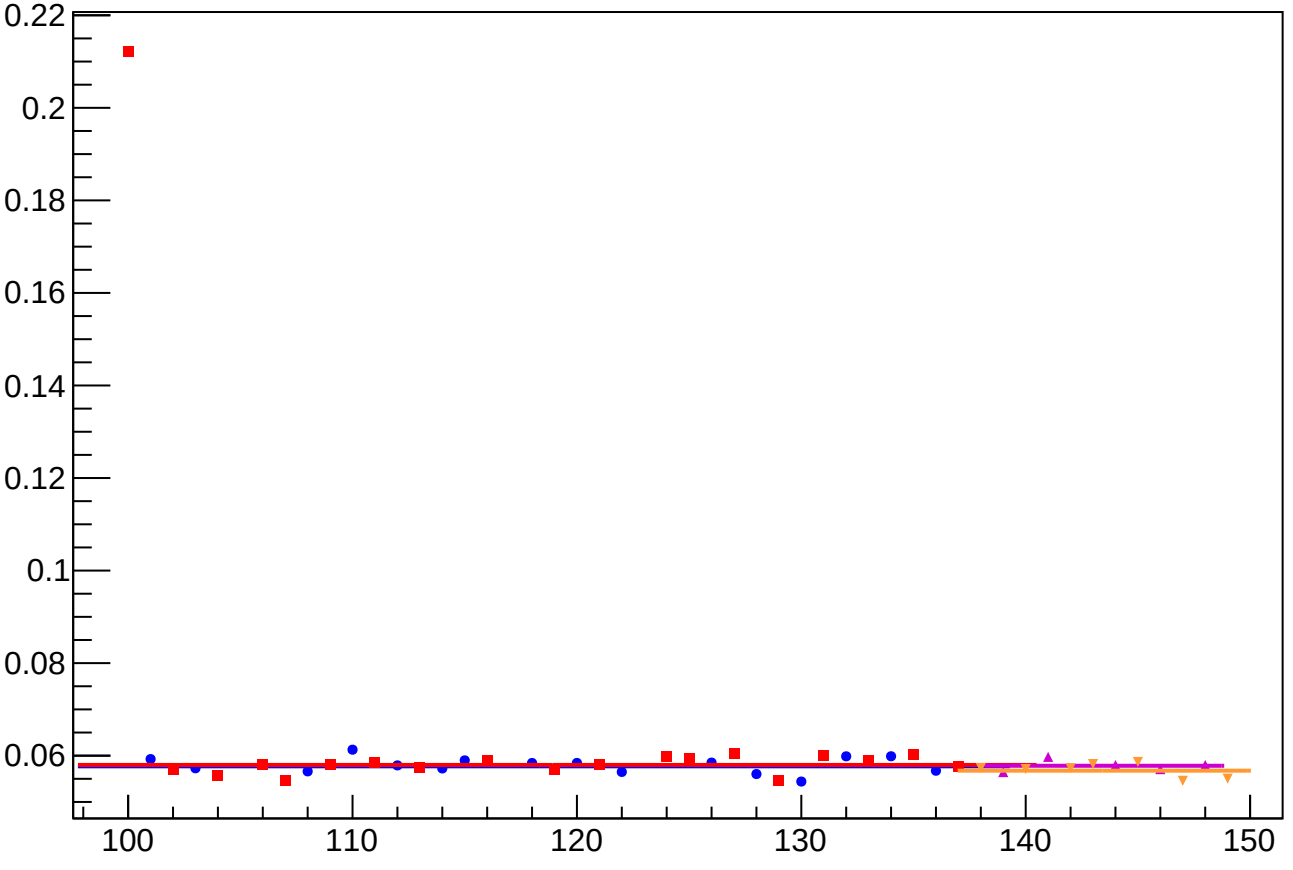
Left In: -25.354+/-0.000 χ^2/NDF:2216481.3/4

+ sign -25.356+/-0.000 χ^2/NDF: 16901887.8/22

All: -25.345+/-0.000 χ^2/NDF: 6335659980.0/

- 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:6983.8/6

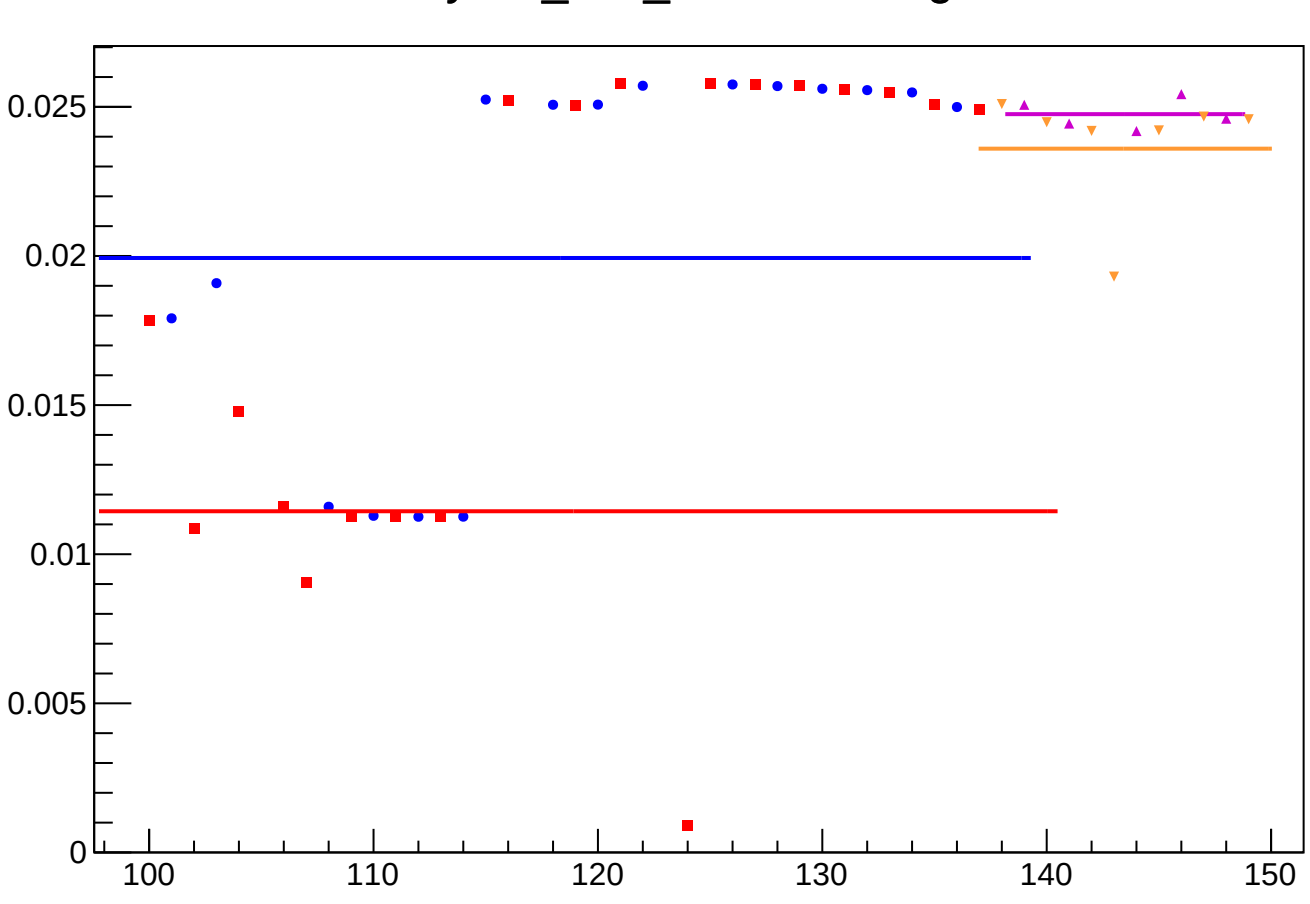
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.058+/-0.000 χ^2/NDF:3029.8/4

+ sign 0.057+/-0.000 χ^2/NDF: 20352.5/22

All: 0.058+/-0.000 χ^2/NDF: 113557.8/46

- 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: 0.024+/-0.000 χ^2/NDF:4116299379.1/6

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

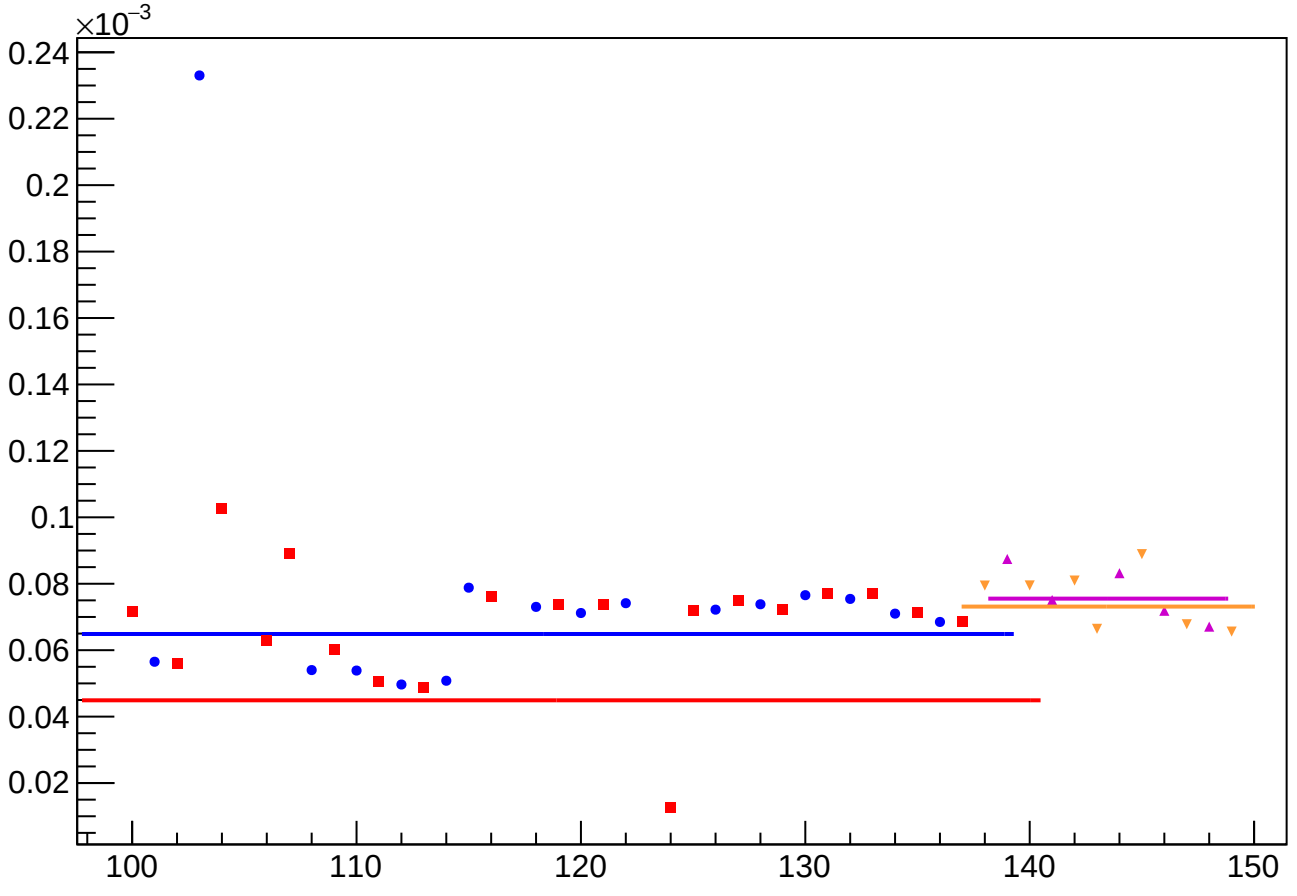
Left In: 0.025+/-0.000 χ^2/NDF:145993389.6/4

+ sign 0.021+/-0.000 χ^2/NDF: 74535421012.7/22

All: 0.017+/-0.000 χ^2/NDF: 496488853835.4

- 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:124661.5/6

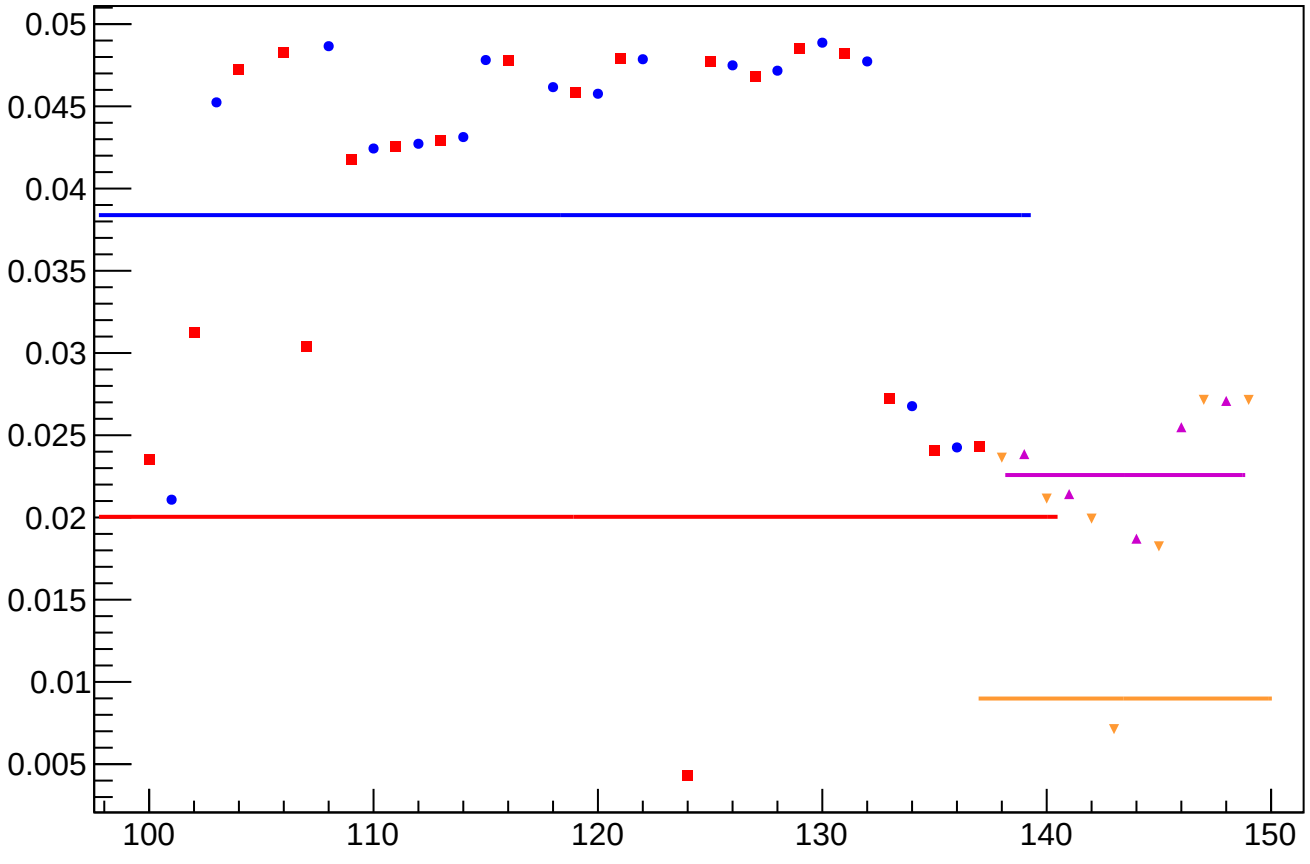
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

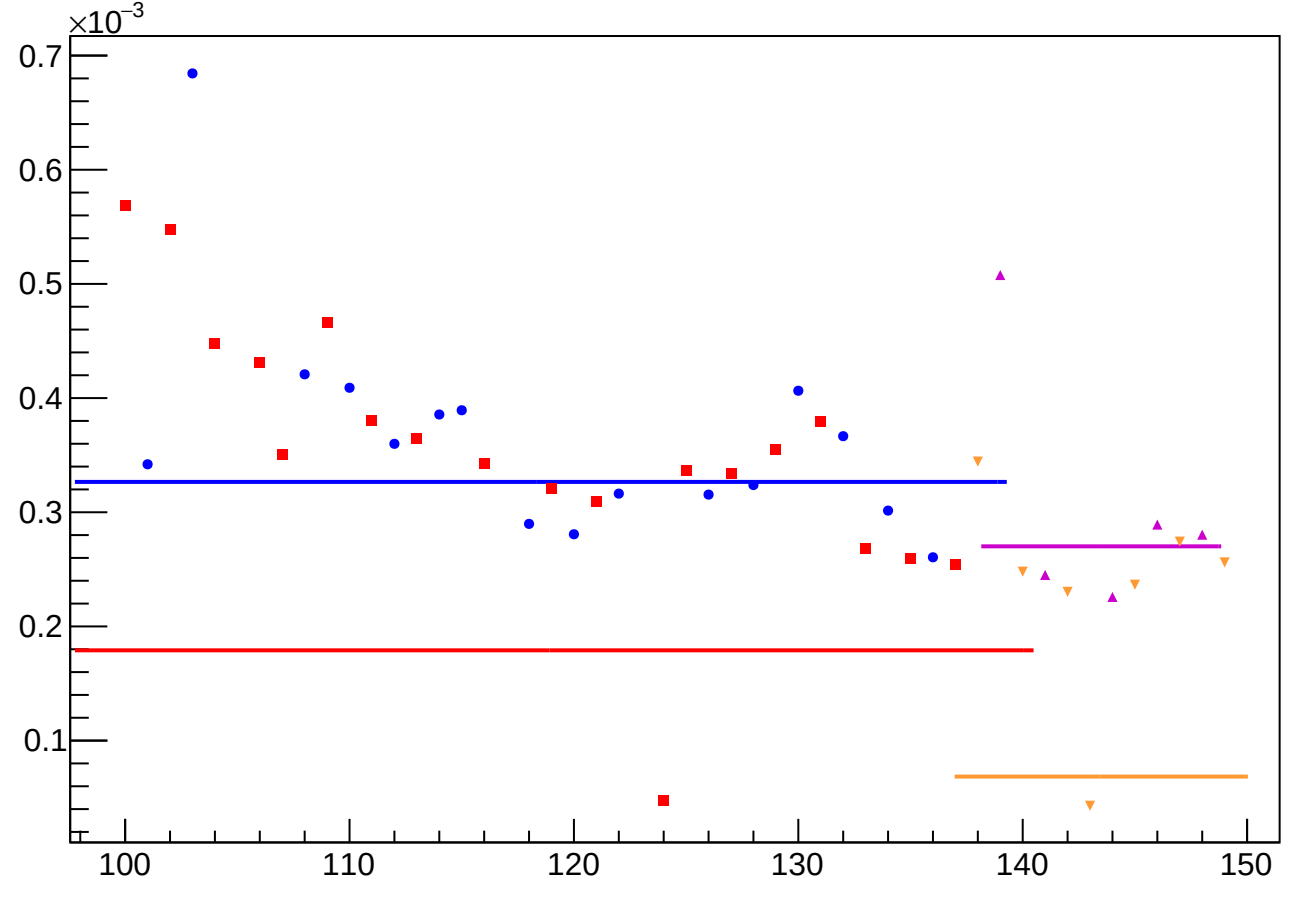
Left In: 0.000+/-0.000 χ^2/NDF:75303.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 1022165.9/22

All: 0.000+/-0.000 χ^2/NDF: 6677261.4/46

- sign 0.000+/-0.000 χ^2/NDF: 4910206.1/23


yield_atl2_mean vs Slug
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
Right In: 0.038+/-0.000 χ²/NDF: 7078619233.3/15
Left Out: 0.009+/-0.000 χ²/NDF:13537768418.8/6
Right Out: 0.020+/-0.000 χ²/NDF: 42185025429.6/18
Left In: 0.023+/-0.000 χ²/NDF:539772247.3/4
+ sign 0.012+/-0.000 χ²/NDF: 66295644119.0/22
All: 0.014+/-0.000 χ²/NDF: 119128264618.3
- sign 0.021+/-0.000 χ²/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:4929221.0/6

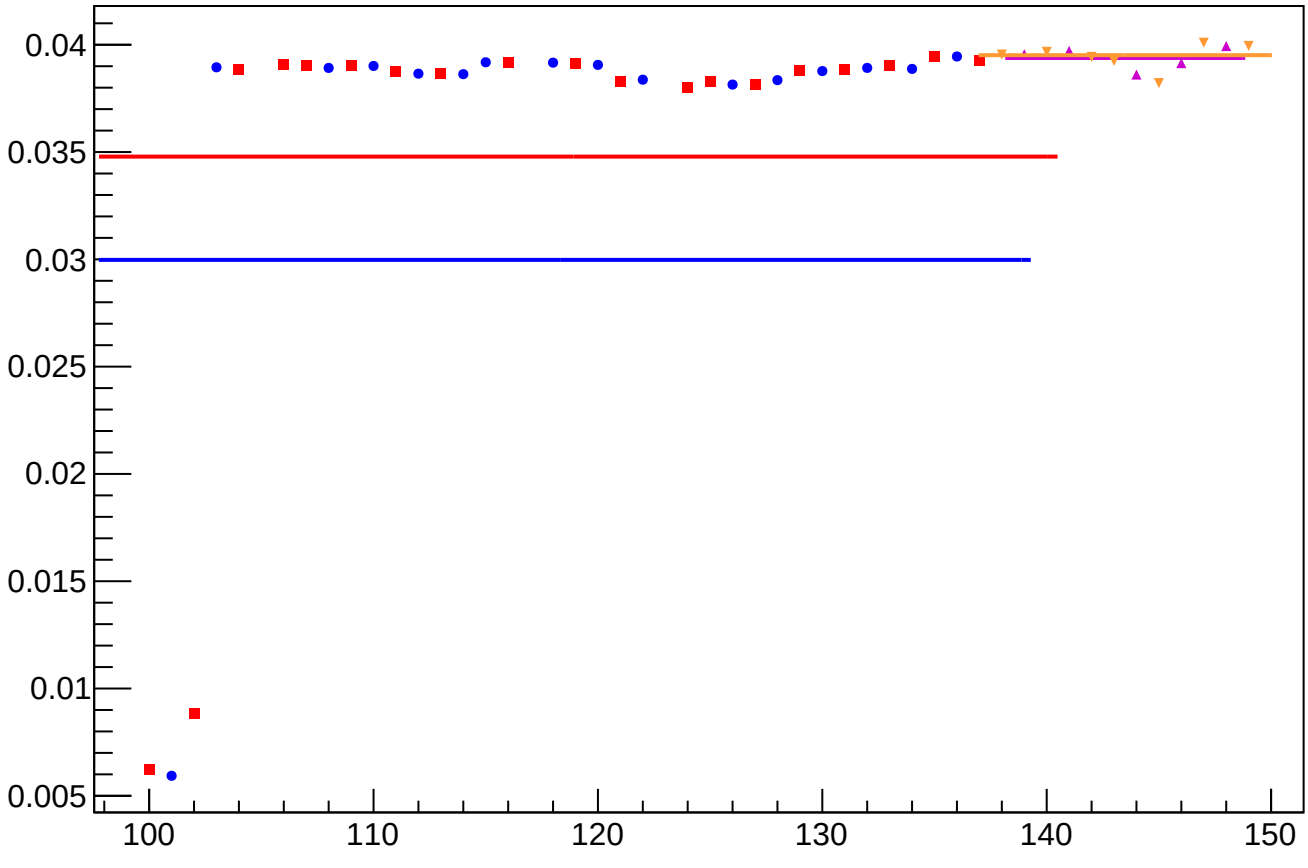
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:438011.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 12554390.4/22

All: 0.000+/-0.000 χ^2/NDF: 22433786.5/46

- 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: 0.040+/-0.000 χ^2/NDF:86678882.8/6

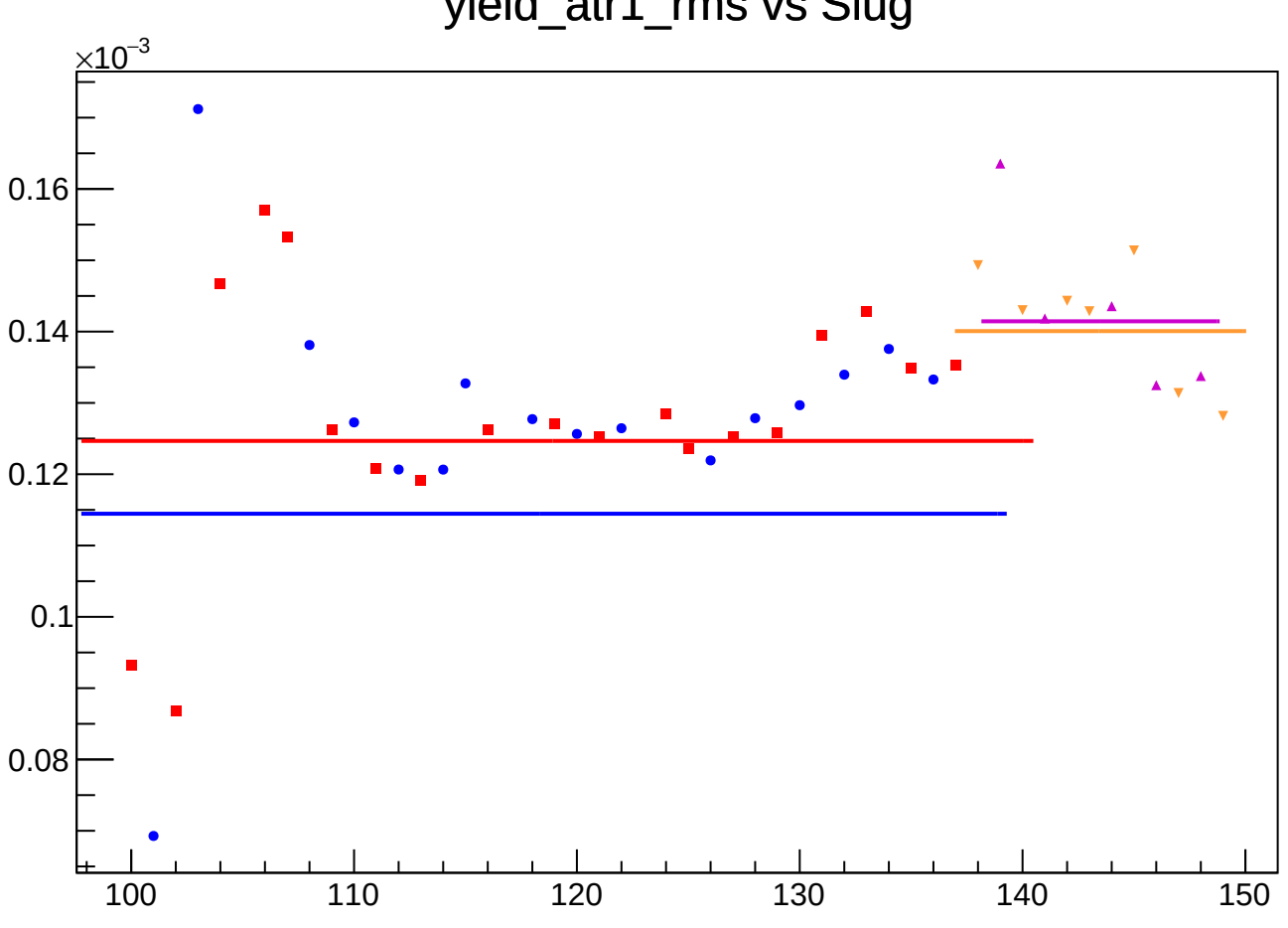
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:47241973.6/4

+ sign 0.033+/-0.000 χ^2/NDF: 124041164112.6/22

All: 0.035+/-0.000 χ^2/NDF: 177626153814.1

- 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:37706.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

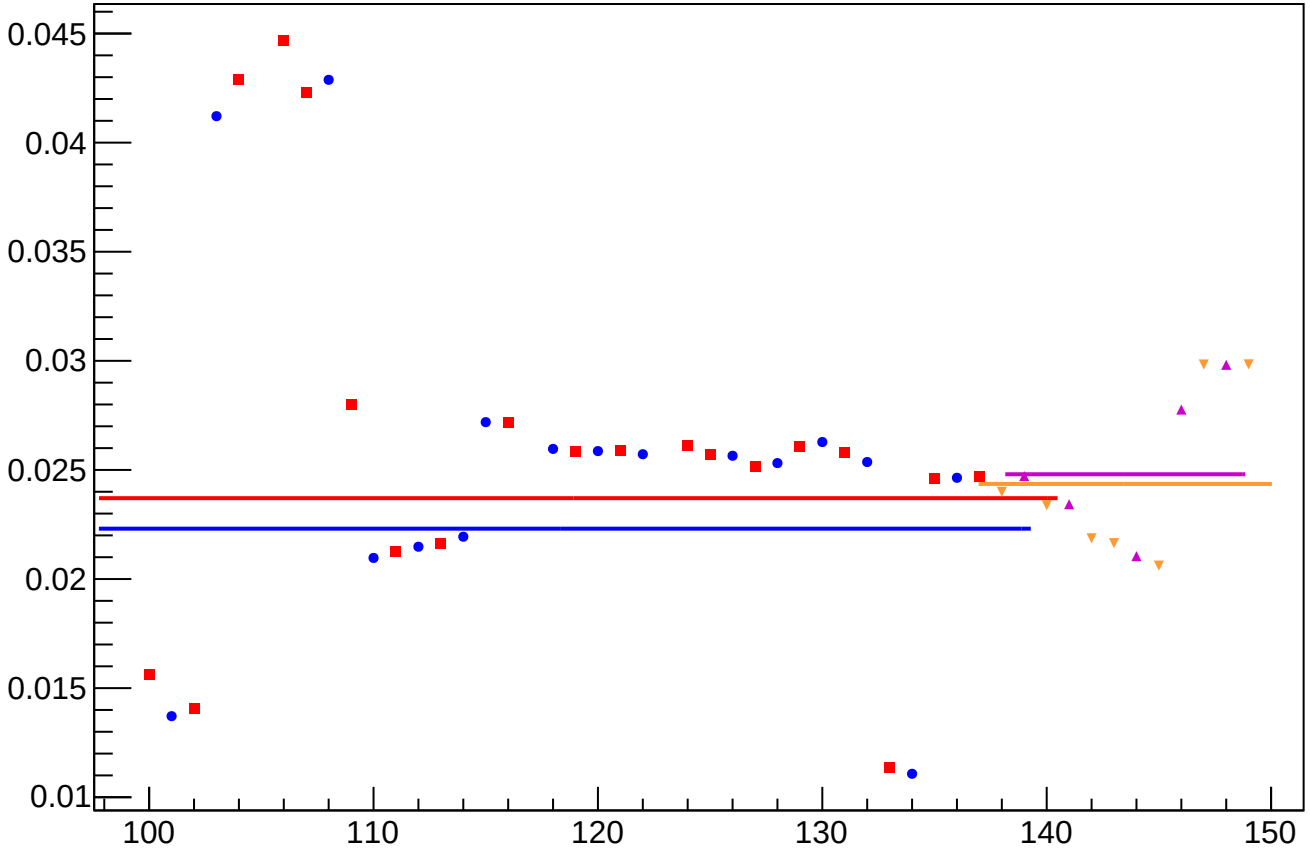
Left In: 0.000+/-0.000 χ^2/NDF:43813.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 1116866.2/22

All: 0.000+/-0.000 χ^2/NDF: 1534475.0/46

- 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: 0.024+/-0.000 χ^2/NDF:1032121136.3/6

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

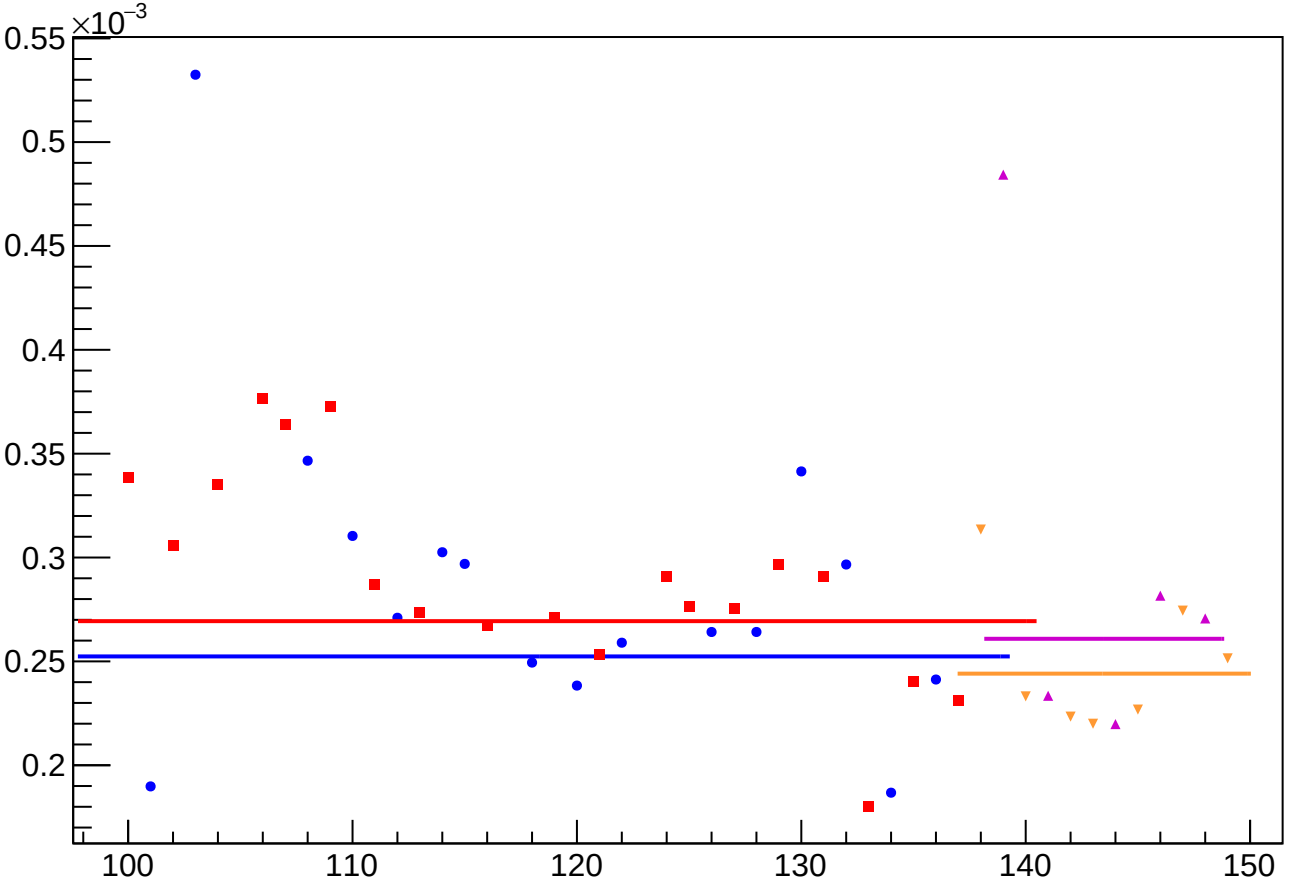
Left In: 0.025+/-0.000 χ^2/NDF:622319251.3/4

+ sign 0.023+/-0.000 χ^2/NDF: 6226451850.6/22

All: 0.024+/-0.000 χ^2/NDF: 12538230772.9/4

- 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:120582.0/6

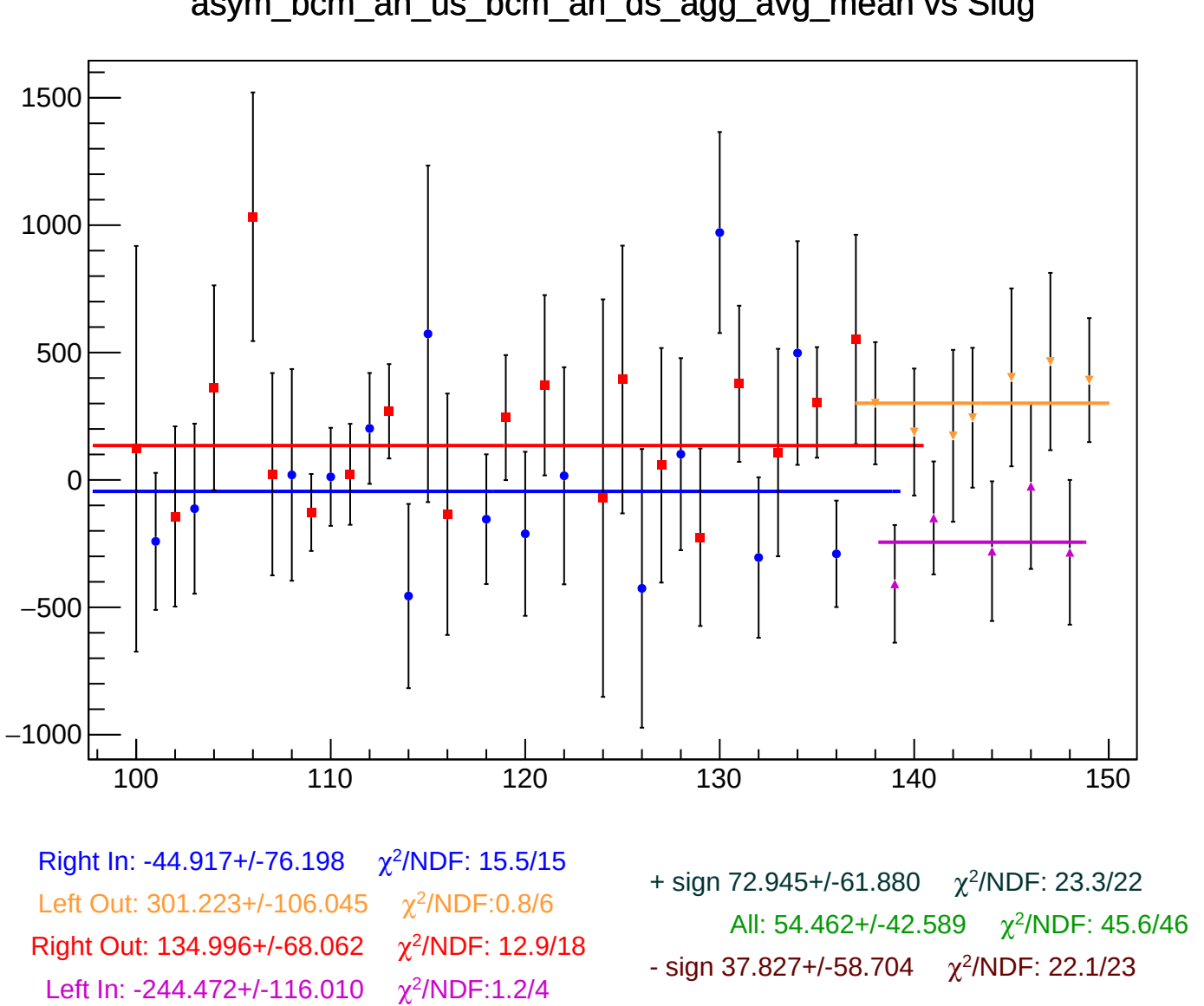
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:435062.1/4

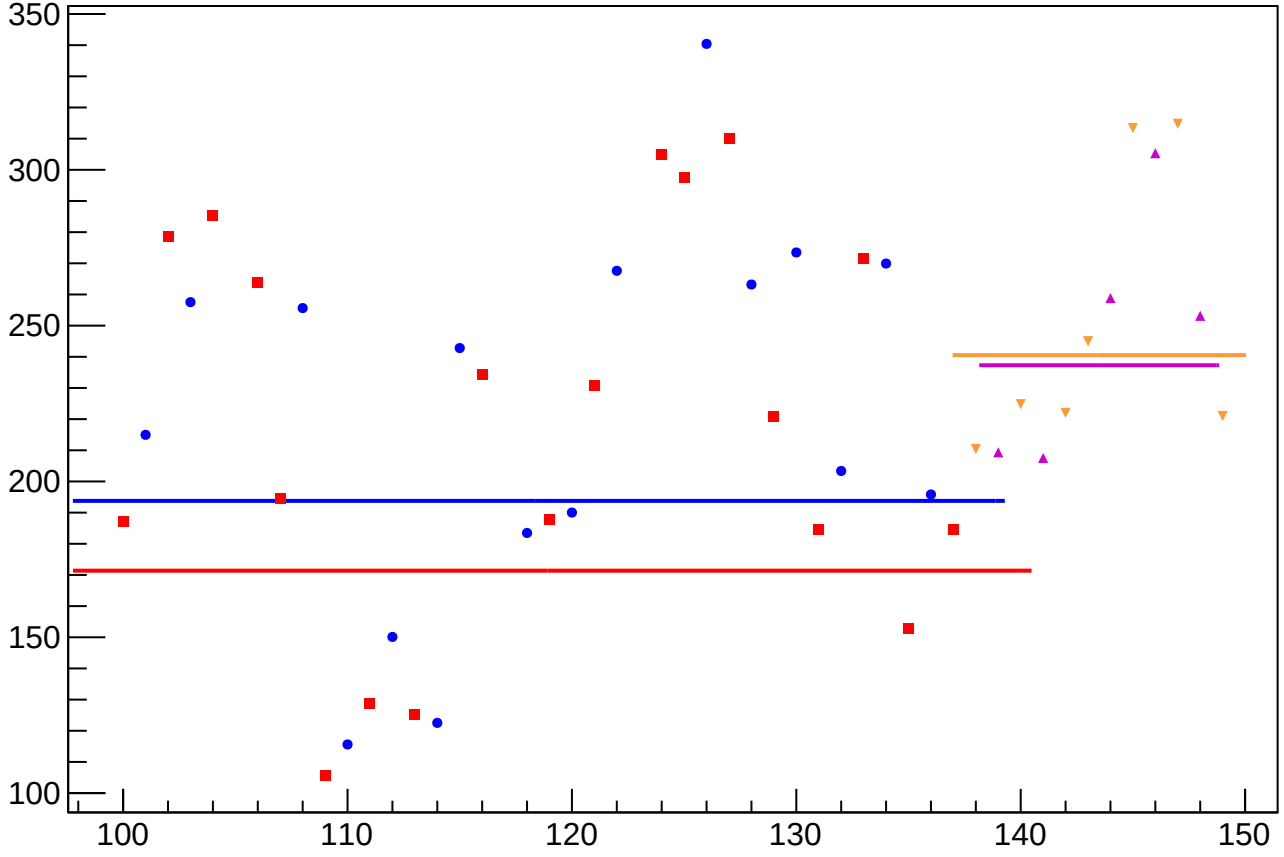
+ sign 0.000+/-0.000 χ^2/NDF: 834392.7/22

All: 0.000+/-0.000 χ^2/NDF: 1768671.8/46

- sign 0.000+/-0.000 χ^2/NDF: 886368.5/23


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: -44.917+/-76.198 χ²/NDF: 15.5/15
Left Out: 301.223+/-106.045 χ²/NDF:0.8/6
Right Out: 134.996+/-68.062 χ²/NDF: 12.9/18
Left In: -244.472+/-116.010 χ²/NDF:1.2/4
+ sign 72.945+/-61.880 χ²/NDF: 23.3/22
All: 54.462+/-42.589 χ²/NDF: 45.6/46
- sign 37.827+/-58.704 χ²/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: 240.539+/-0.075 χ^2/NDF:237015.3/6

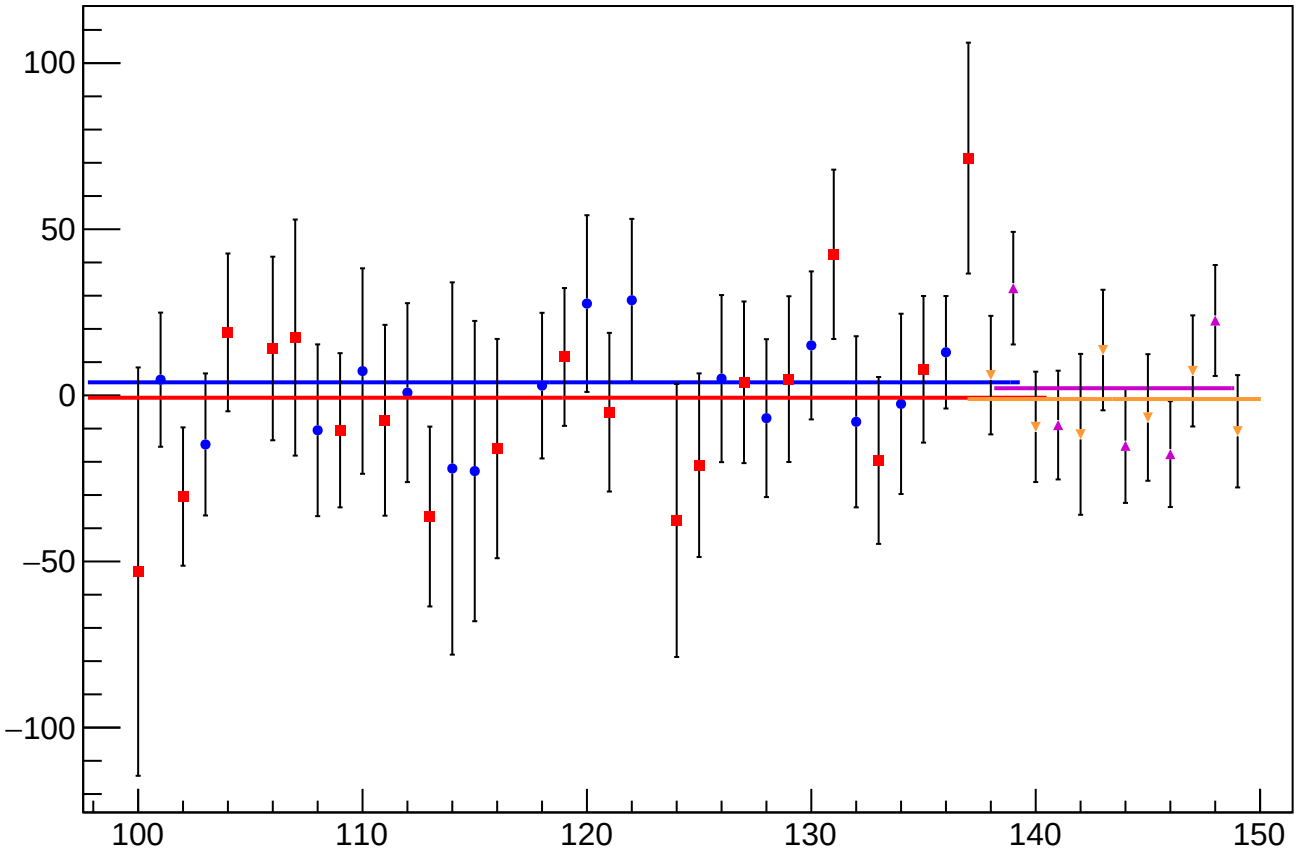
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 237.291+/-0.082 χ^2/NDF:171788.9/4

+ sign 209.693+/-0.044 χ^2/NDF: 1541689.7/22

All: 198.412+/-0.030 χ^2/NDF: 3978102.5/46

- 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: -1.107+/-6.845 χ^2/NDF:1.9/6

Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

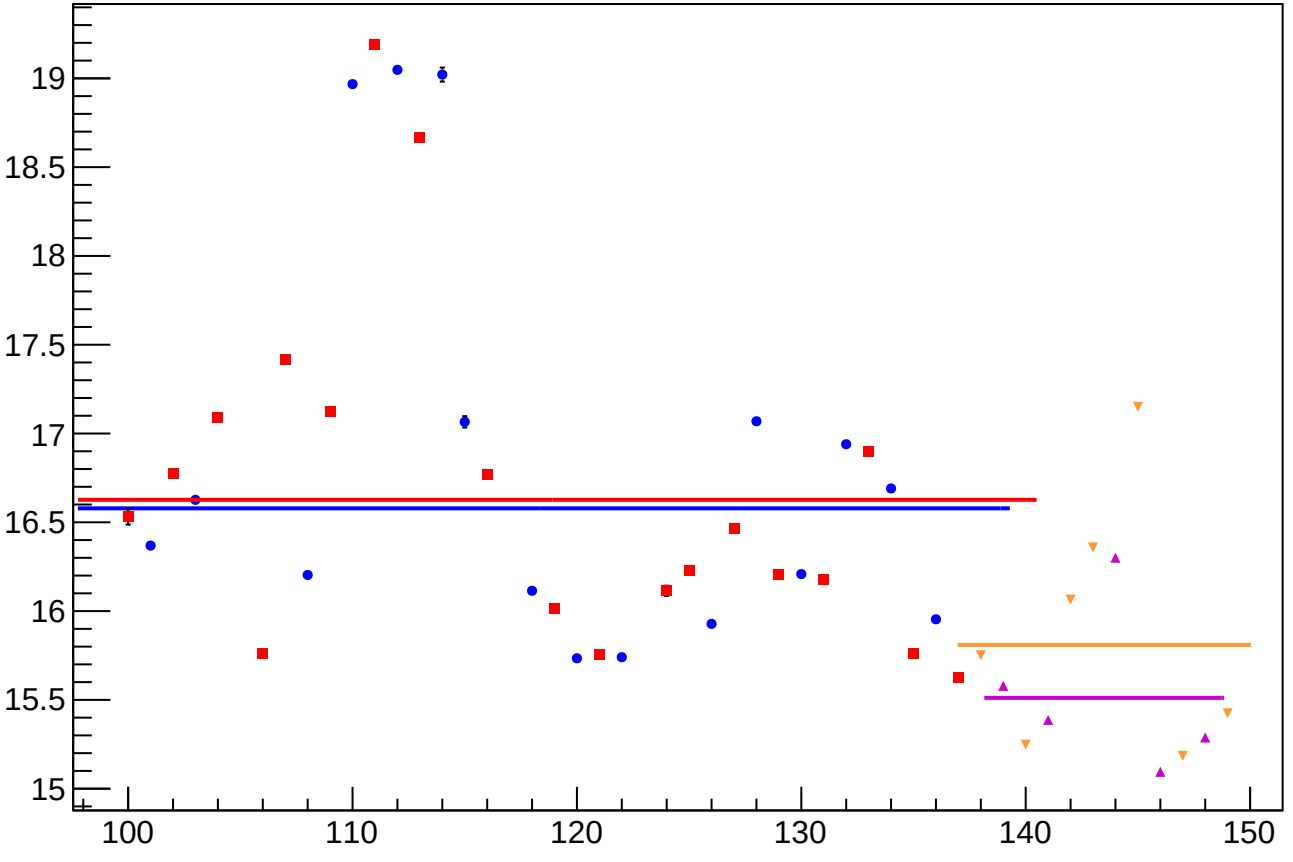
Left In: 2.145+/-7.429 χ^2/NDF:7.7/4

+ sign 1.667+/-4.584 χ^2/NDF: 6.7/22

All: 1.066+/-3.283 χ^2/NDF: 30.4/46

- 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: 15.809+/-0.005 χ^2/NDF:18102.4/6

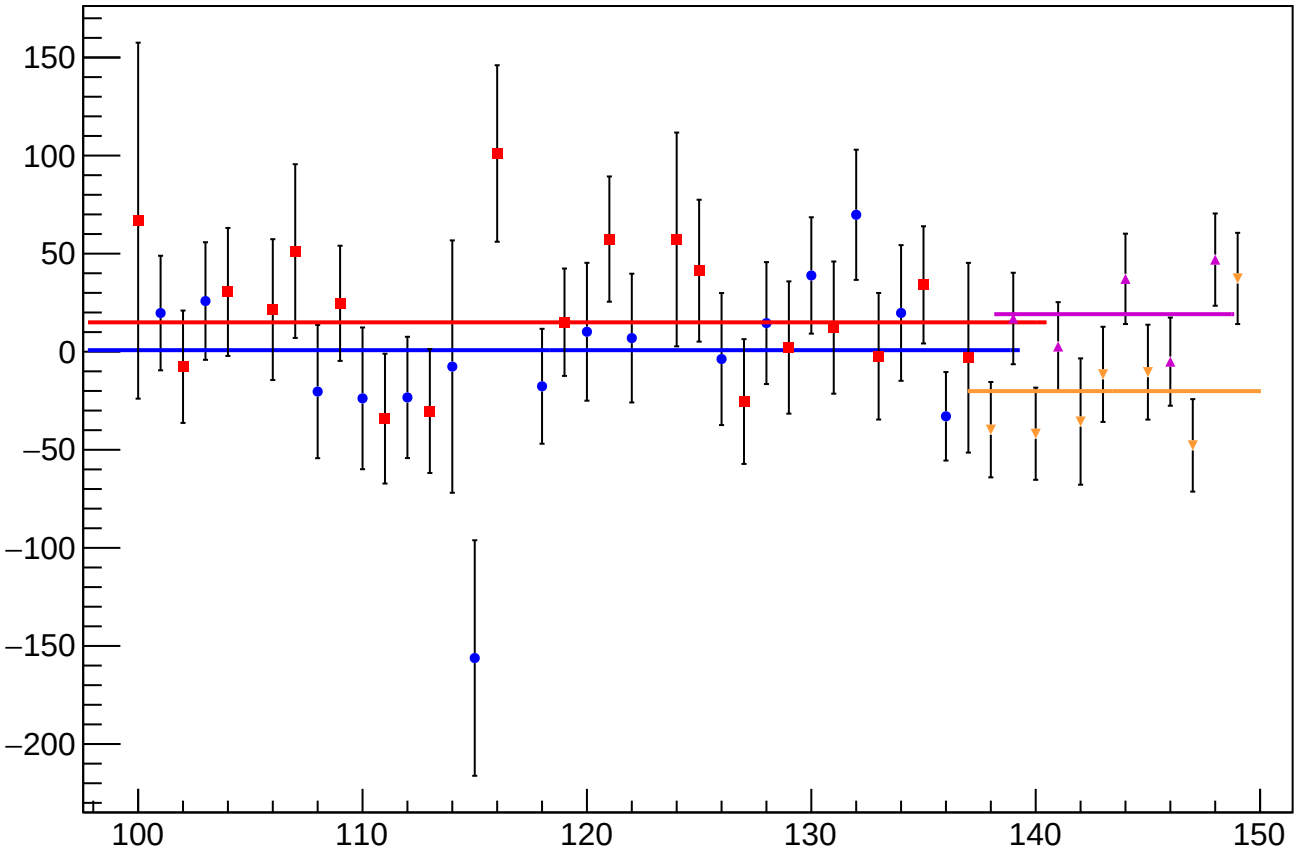
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.511+/-0.005 χ^2/NDF:6078.3/4

\+ sign 16.234+/-0.003 χ^2/NDF: 76611.6/22

All: 16.207+/-0.002 χ^2/NDF: 153300.9/46

\- 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: -20.089+/-9.316 χ^2/NDF:9.5/6

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

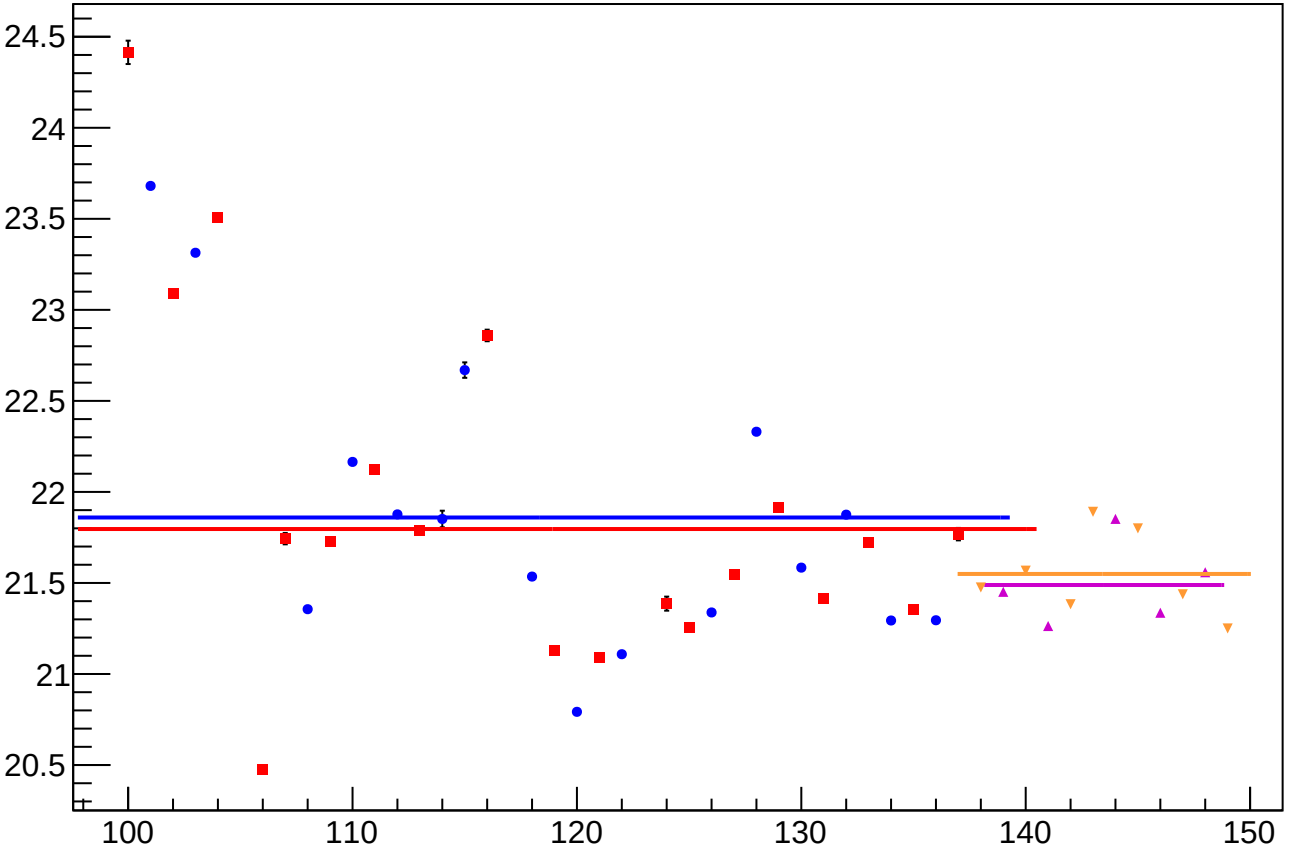
Left In: 19.142+/-10.278 χ^2/NDF:3.7/4

\+ sign -8.230+/-6.123 χ^2/NDF: 31.0/22

All: 3.822+/-4.387 χ^2/NDF: 58.2/46

\- 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: 21.549+/-0.007 χ^2/NDF:1059.5/6

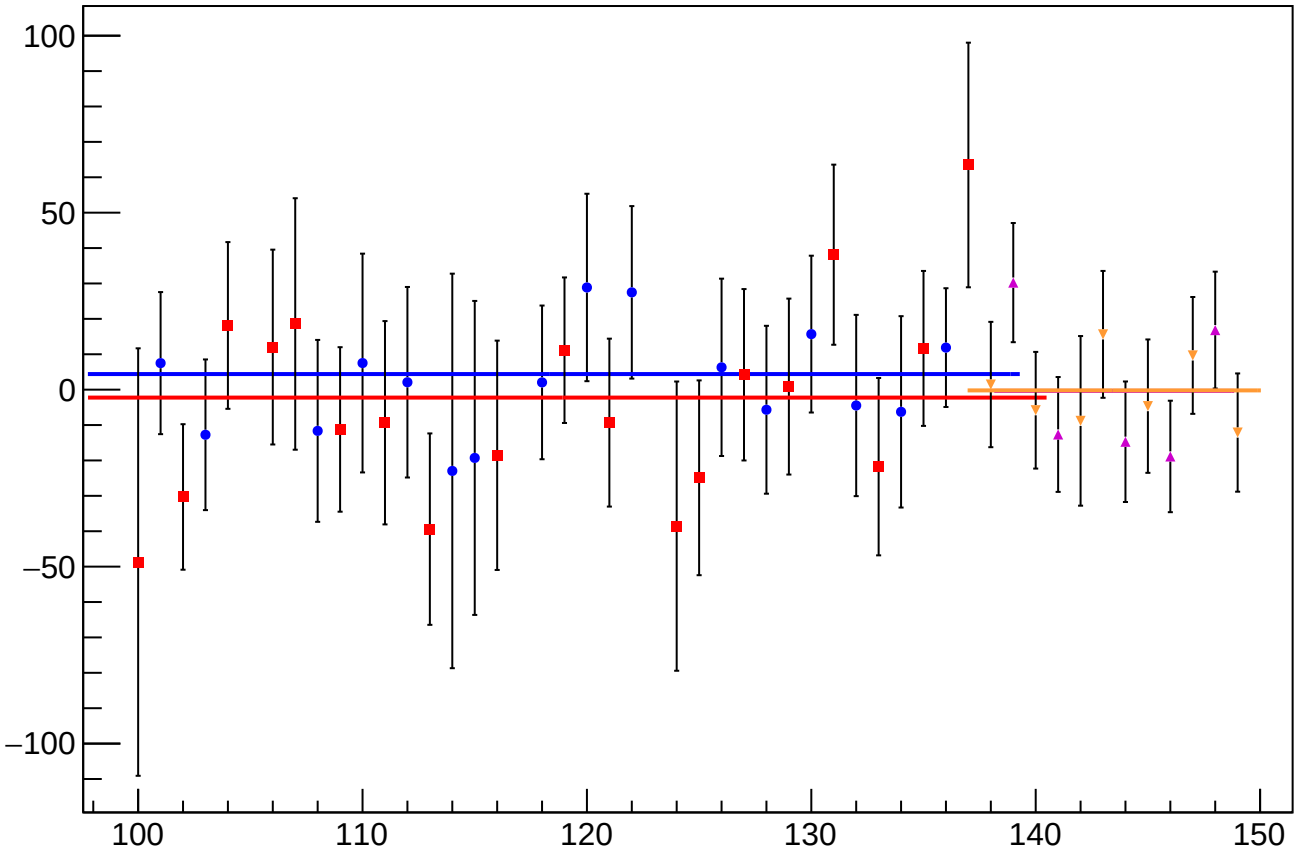
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.489+/-0.007 χ^2/NDF:810.3/4

+ sign 21.726+/-0.004 χ^2/NDF: 21786.2/22

All: 21.704+/-0.003 χ^2/NDF: 42628.7/46

- 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: -0.211+/-6.774 χ^2/NDF:2.0/6

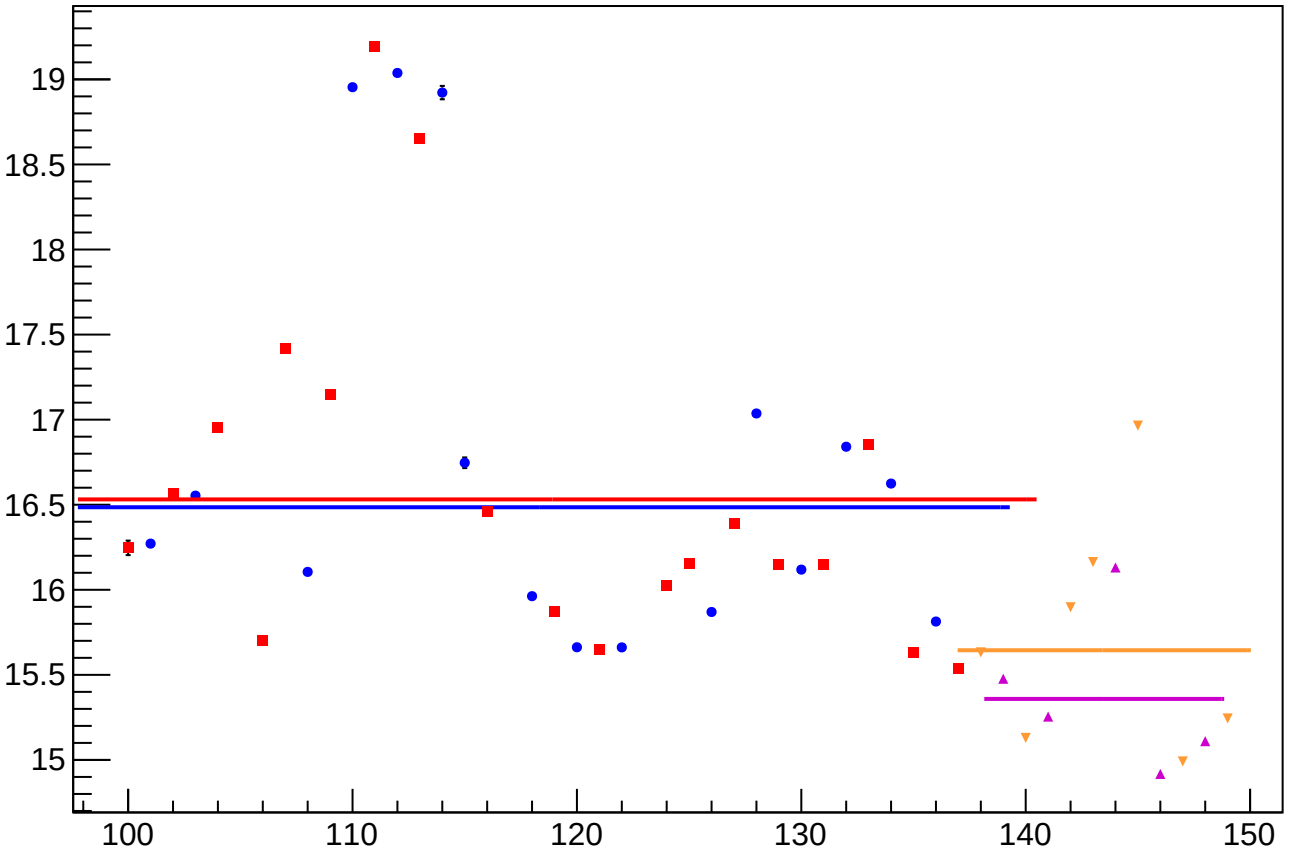
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -0.353+/-7.356 χ^2/NDF:7.1/4

\+ sign 2.323+/-4.548 χ^2/NDF: 6.5/22

All: 0.471+/-3.258 χ^2/NDF: 29.3/46

\- 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: 15.645+/-0.005 χ^2/NDF:17957.3/6

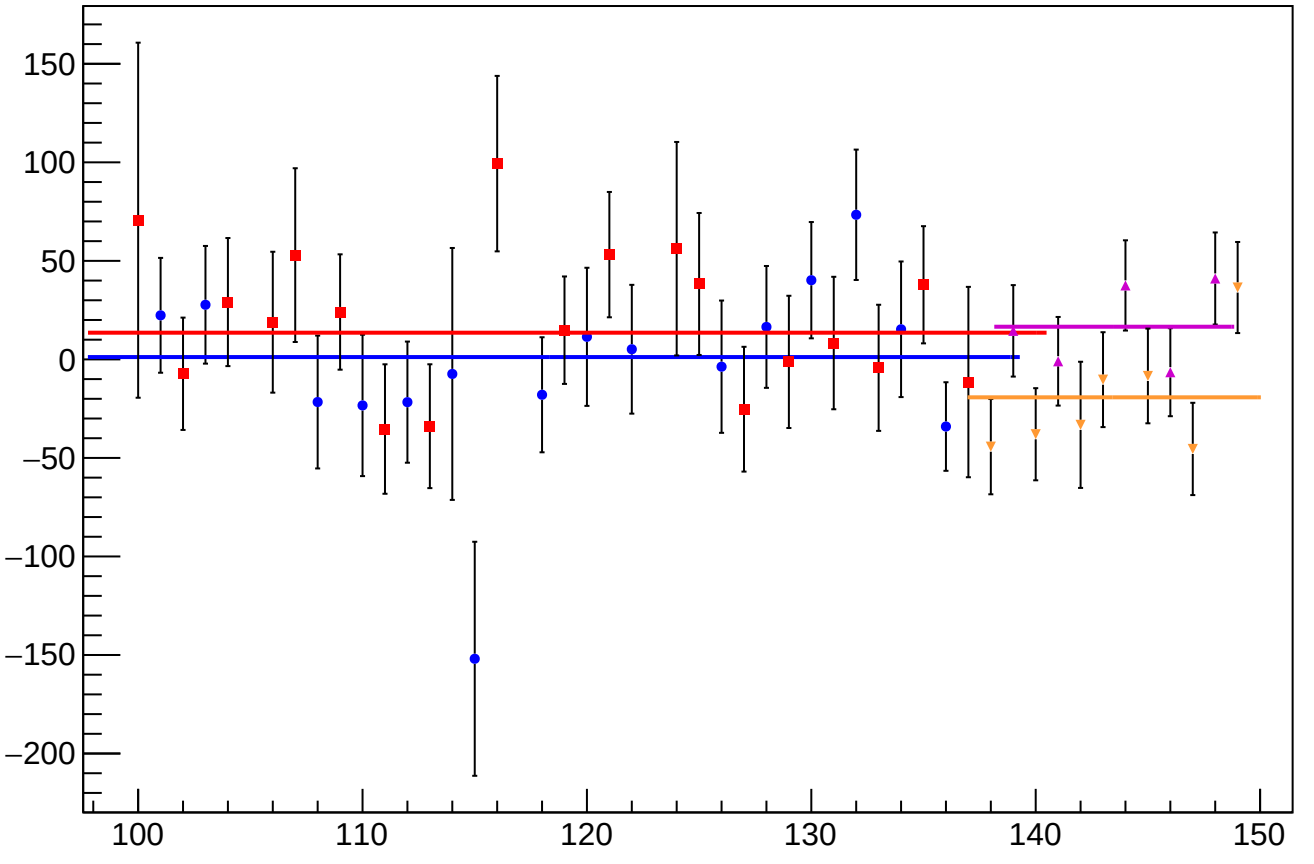
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.359+/-0.005 χ^2/NDF:6318.8/4

\+ sign 16.106+/-0.003 χ^2/NDF: 82052.1/22

All: 16.083+/-0.002 χ^2/NDF: 165299.0/46

\- 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: -19.246+/-9.257 χ^2/NDF:9.3/6

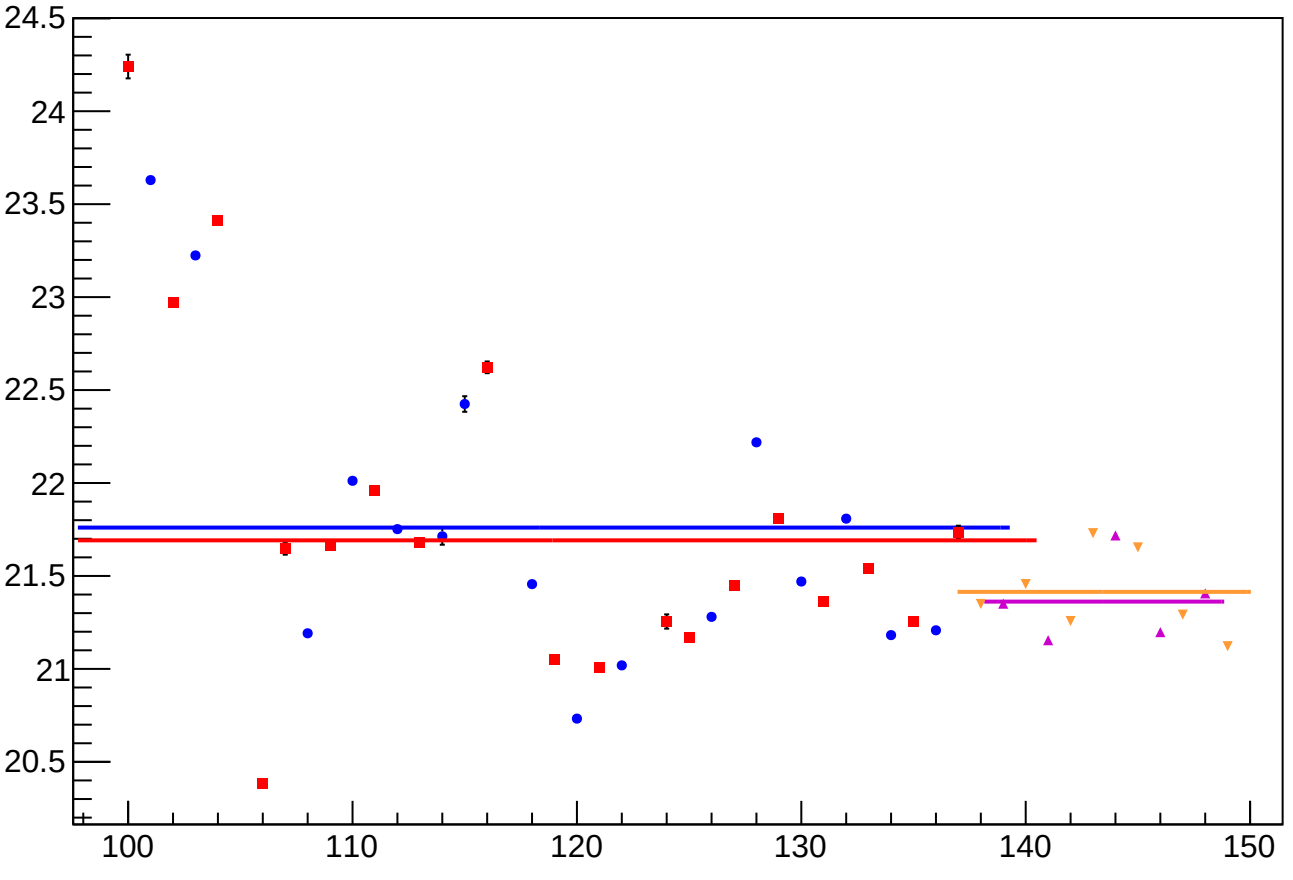
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 16.580+/-10.217 χ^2/NDF:3.6/4

\+ sign -7.660+/-6.091 χ^2/NDF: 31.5/22

All: 3.212+/-4.364 χ^2/NDF: 57.6/46

\- sign 14.686+/-6.257 χ^2/NDF: 19.6/23



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.414+/-0.007 χ^2/NDF:985.6/6

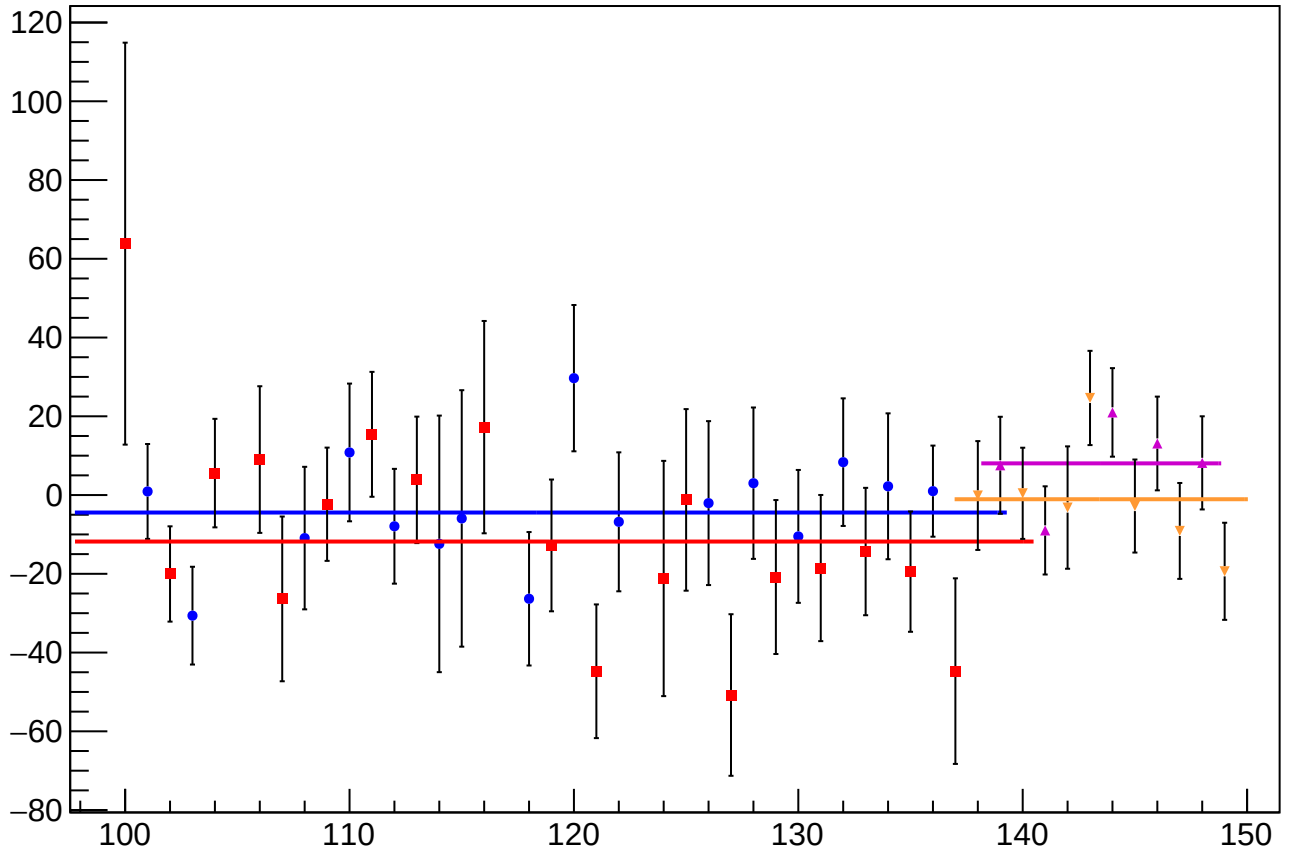
Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.362+/-0.007 χ^2/NDF:769.9/4

+ sign 21.611+/-0.004 χ^2/NDF: 22314.3/22

All: 21.590+/-0.003 χ^2/NDF: 42763.3/46

- sign 21.568+/-0.004 χ^2/NDF: 20401.4/23



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -1.063+/-4.751 χ^2/NDF:7.3/6

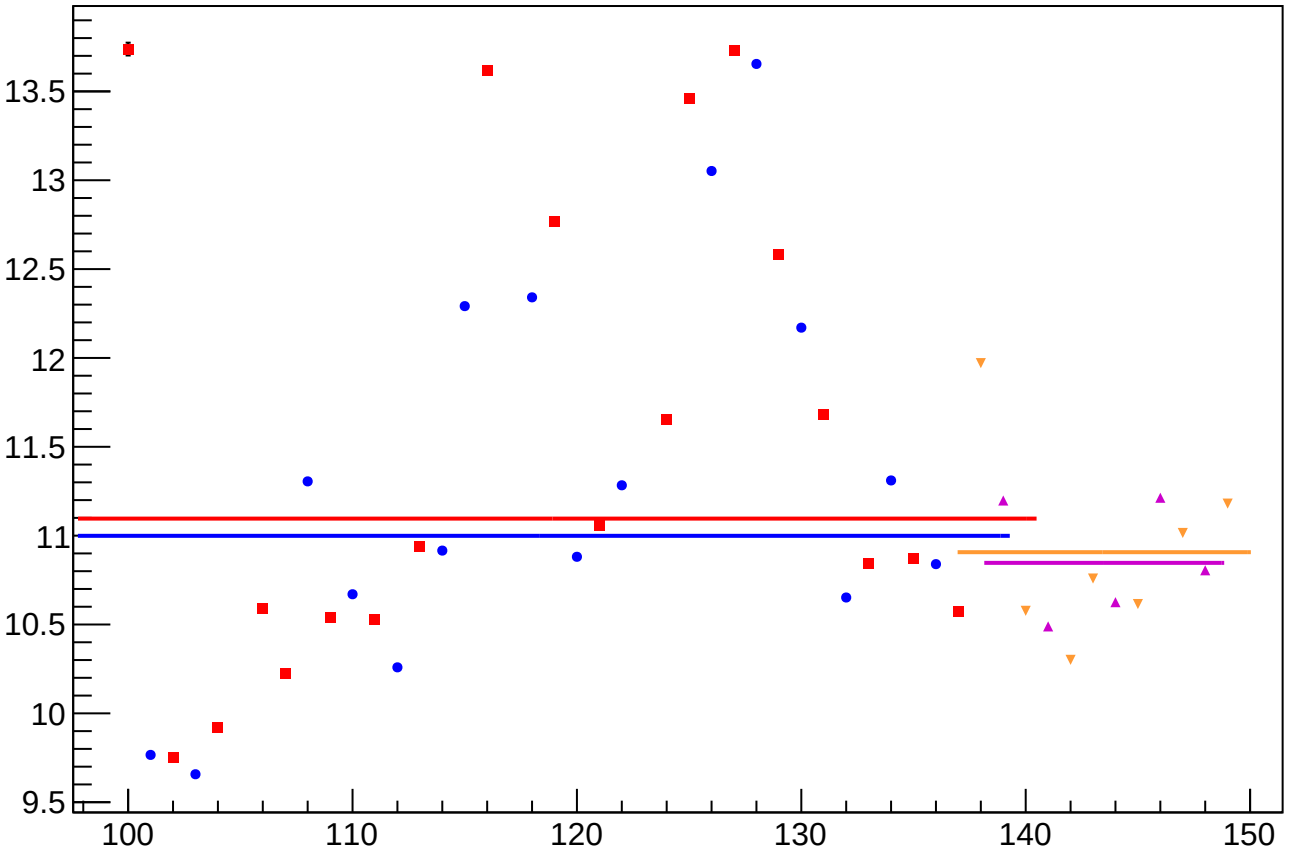
Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: 8.046+/-5.221 χ^2/NDF:3.8/4

+ sign -2.986+/-3.117 χ^2/NDF: 19.6/22

All: -3.592+/-2.241 χ^2/NDF: 54.2/46

- 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: 10.907+/-0.003 χ^2/NDF:19182.3/6

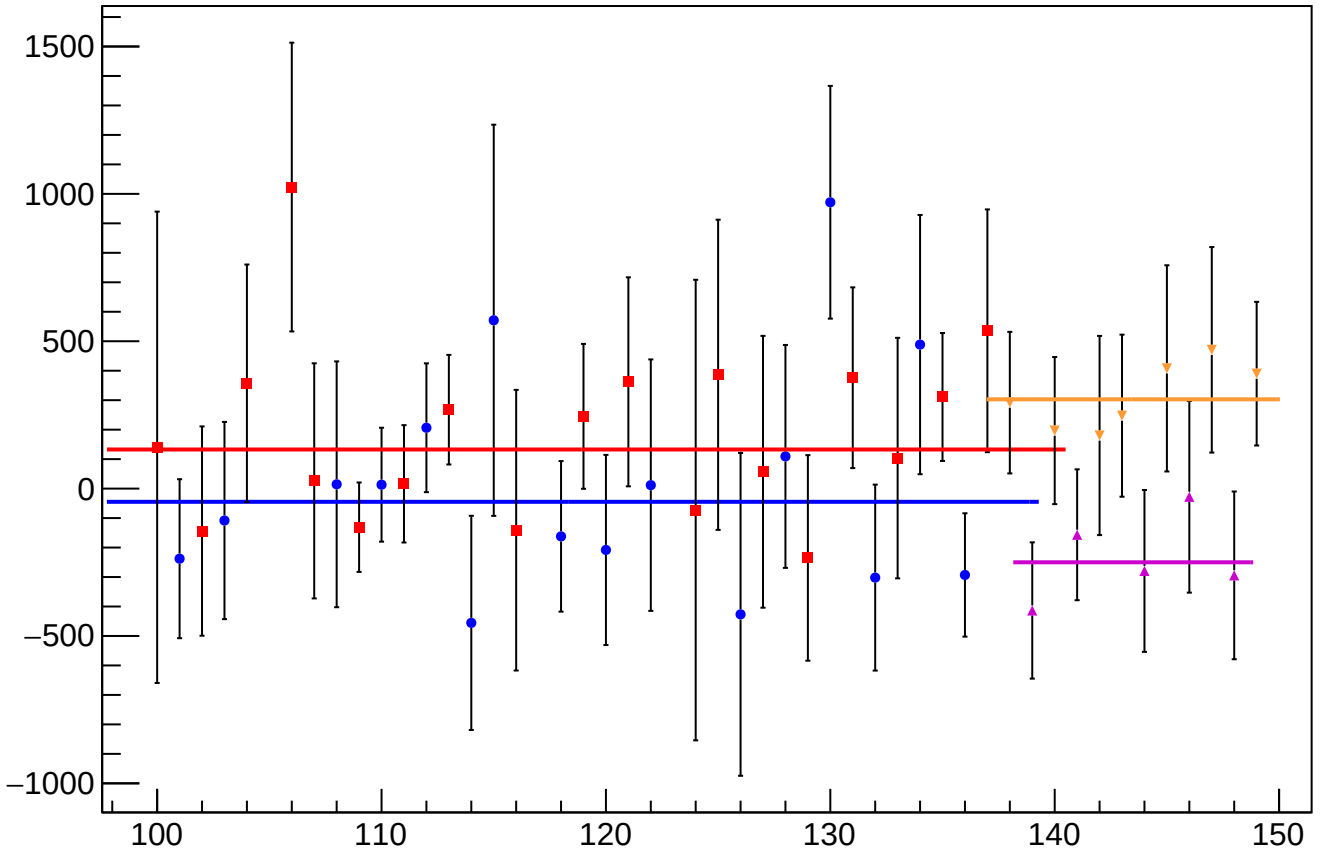
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 10.847+/-0.004 χ^2/NDF:6357.7/4

+ sign 10.959+/-0.002 χ^2/NDF: 155769.5/22

All: 10.980+/-0.002 χ^2/NDF: 328025.3/46

- 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: 302.935+/-106.226 χ^2/NDF:0.8/6

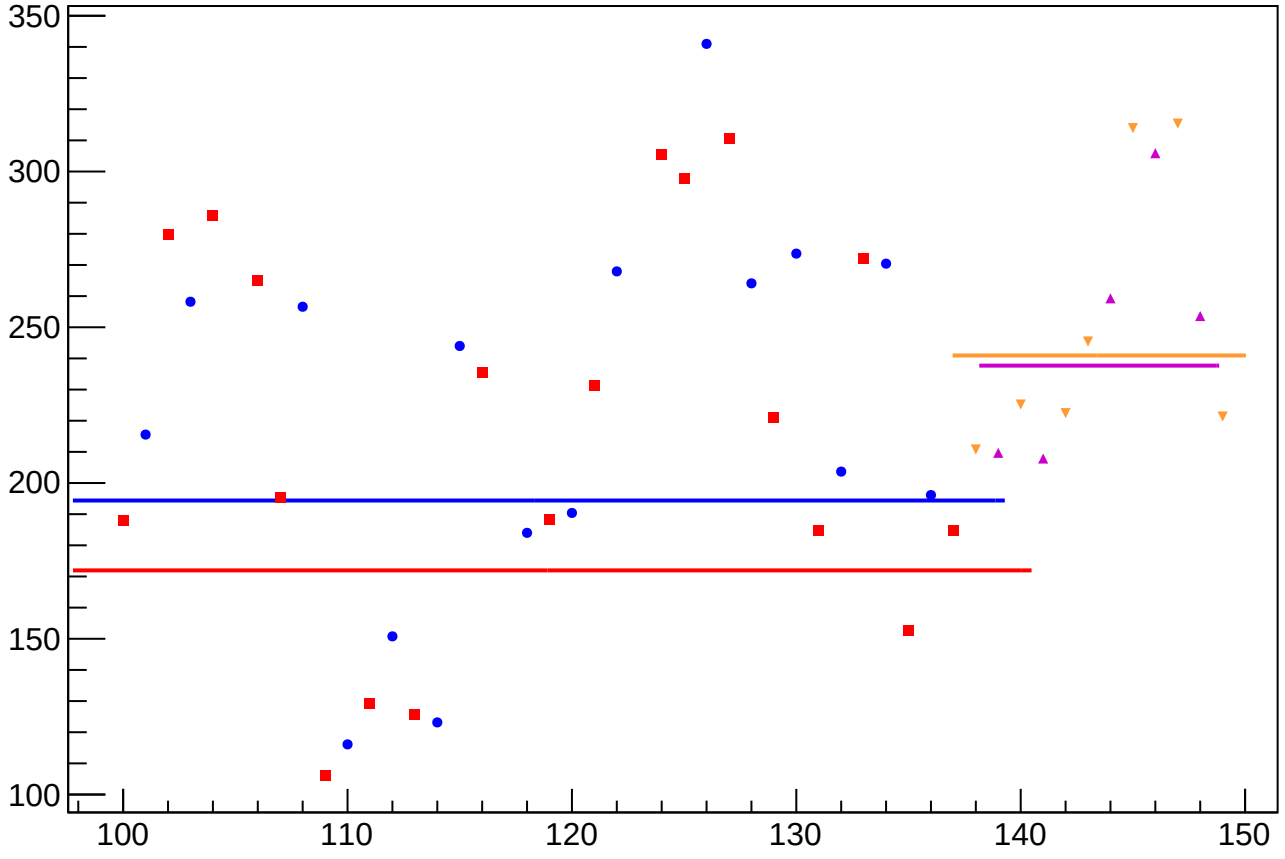
Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: -250.023+/-116.207 χ^2/NDF:1.2/4

+ sign 73.802+/-62.037 χ^2/NDF: 23.3/22

All: 53.132+/-42.700 χ^2/NDF: 45.6/46

- 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: 240.946+/-0.075 χ^2/NDF:237241.1/6

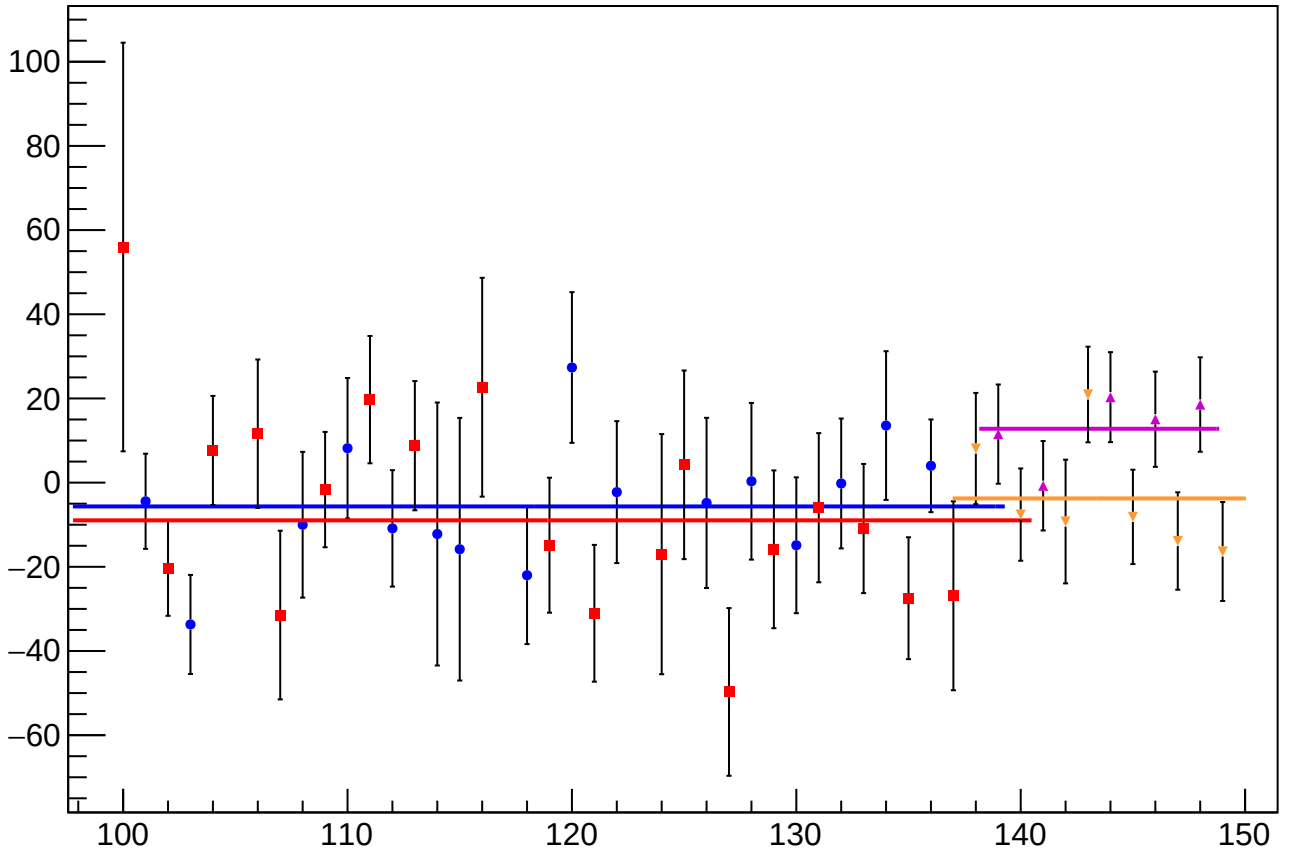
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 237.689+/-0.082 χ^2/NDF:171983.2/4

+ sign 210.265+/-0.044 χ^2/NDF: 1532461.7/22

All: 198.978+/-0.030 χ^2/NDF: 3957443.5/46

- 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: -3.751+/-4.514 χ^2/NDF:7.9/6

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

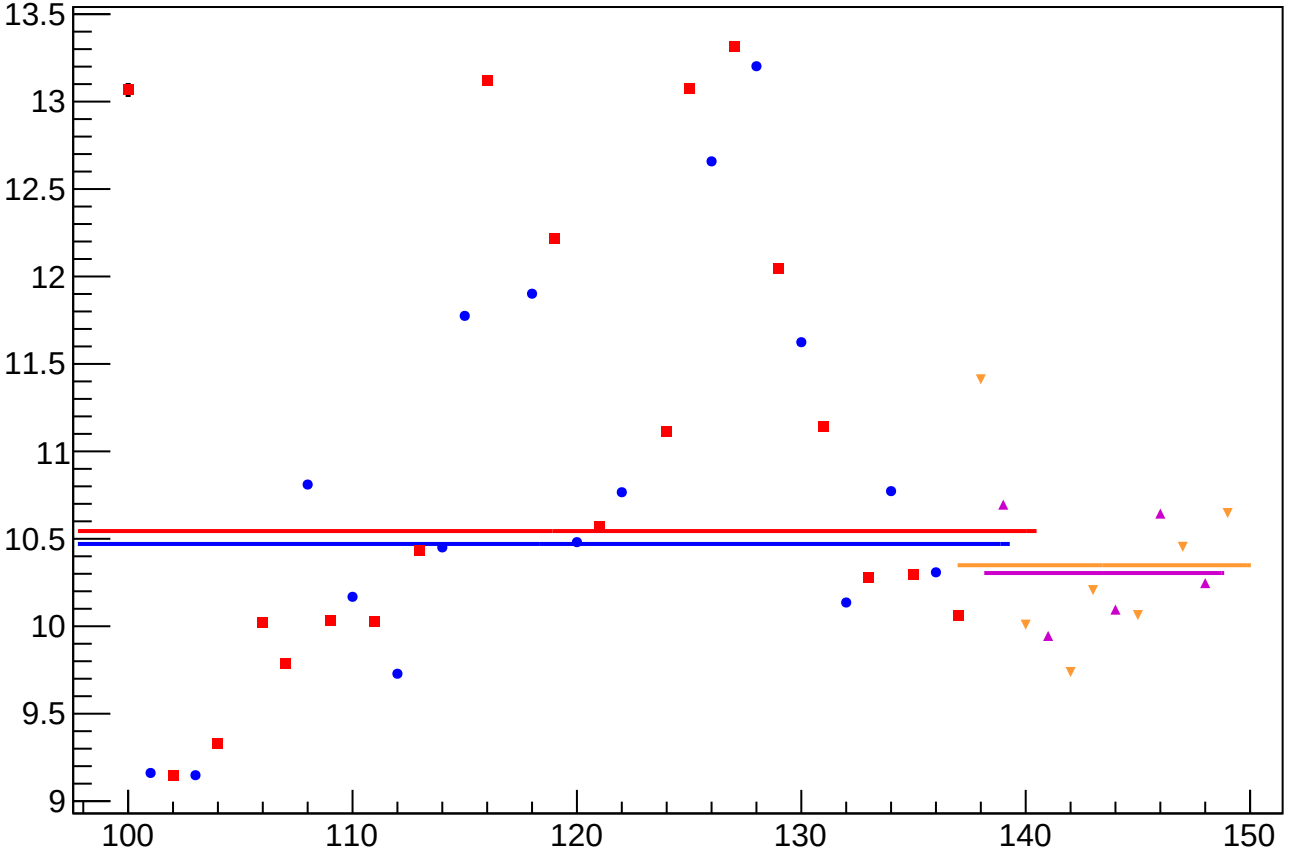
Left In: 12.798+/-4.966 χ^2/NDF:2.4/4

+ sign -4.833+/-2.968 χ^2/NDF: 21.6/22

All: -2.814+/-2.133 χ^2/NDF: 59.7/46

- 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: 10.349+/-0.003 χ^2/NDF:21377.8/6

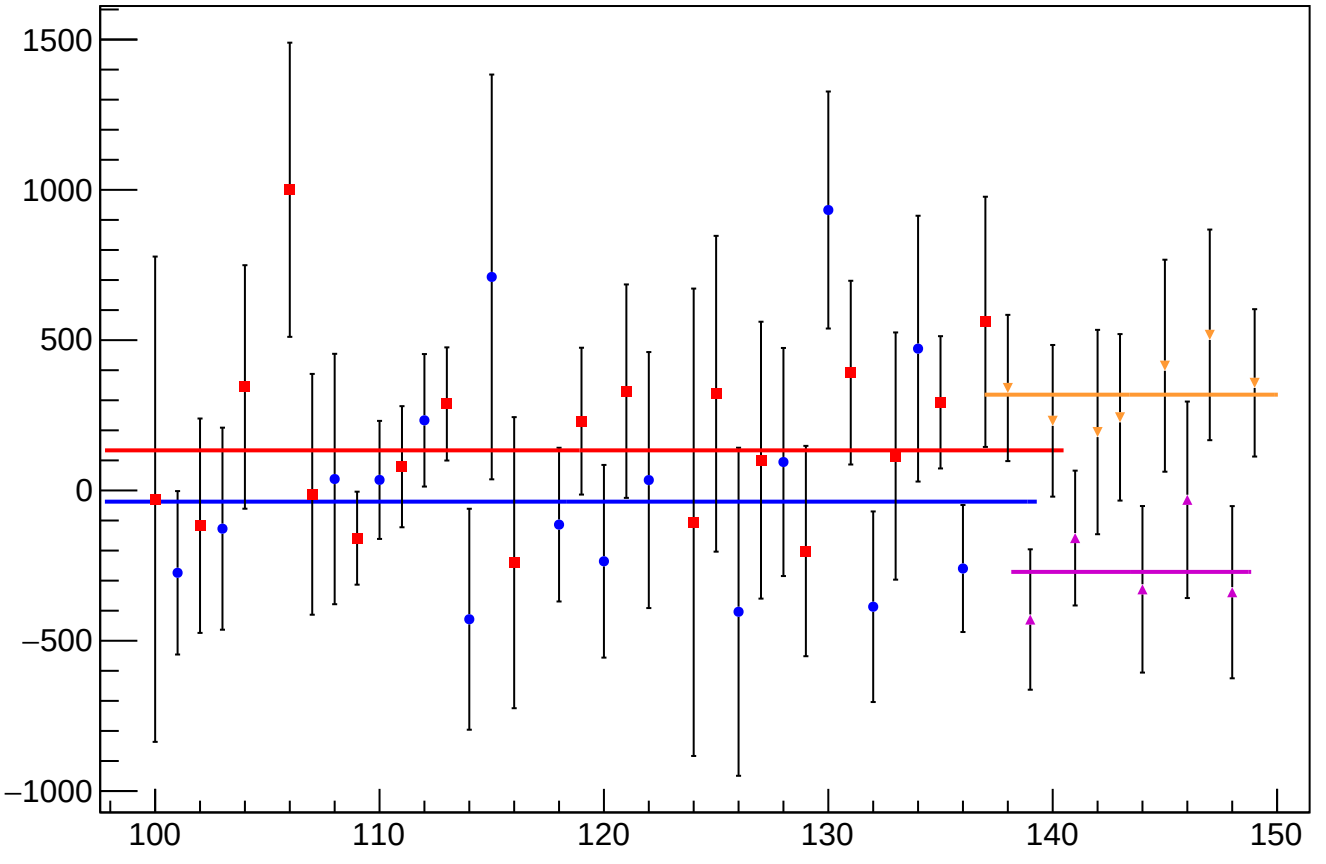
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.304+/-0.004 χ^2/NDF:7113.4/4

+ sign 10.418+/-0.002 χ^2/NDF: 179567.6/22

All: 10.435+/-0.002 χ^2/NDF: 376483.9/46

- 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: 318.643+/-107.129 χ^2/NDF:0.8/6

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

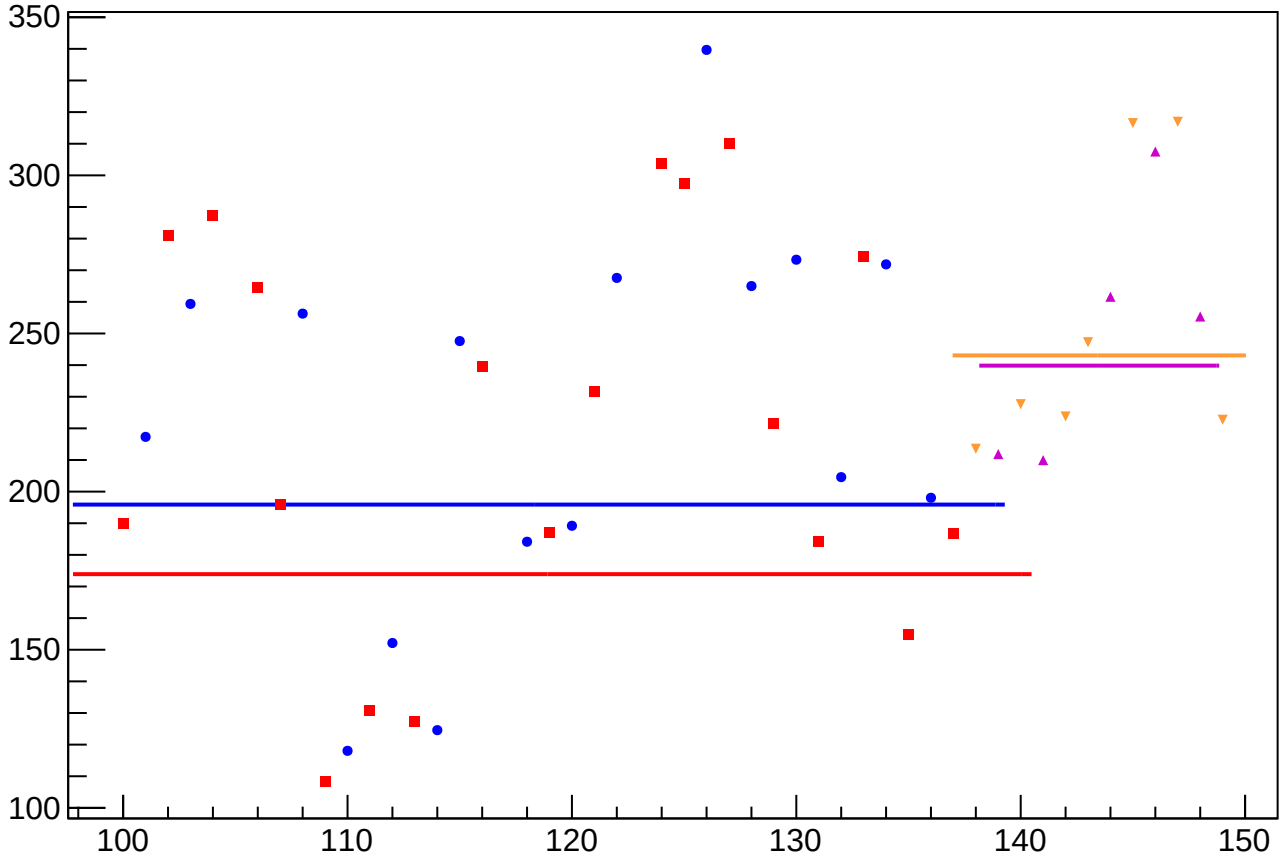
Left In: -270.929+/-117.209 χ^2/NDF:1.3/4

\+ sign 83.809+/-62.479 χ^2/NDF: 23.7/22

All: 55.322+/-43.045 χ^2/NDF: 47.2/46

\- sign 29.585+/-59.388 χ^2/NDF: 23.1/23

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 243.066+/-0.076 χ^2/NDF:233263.8/6

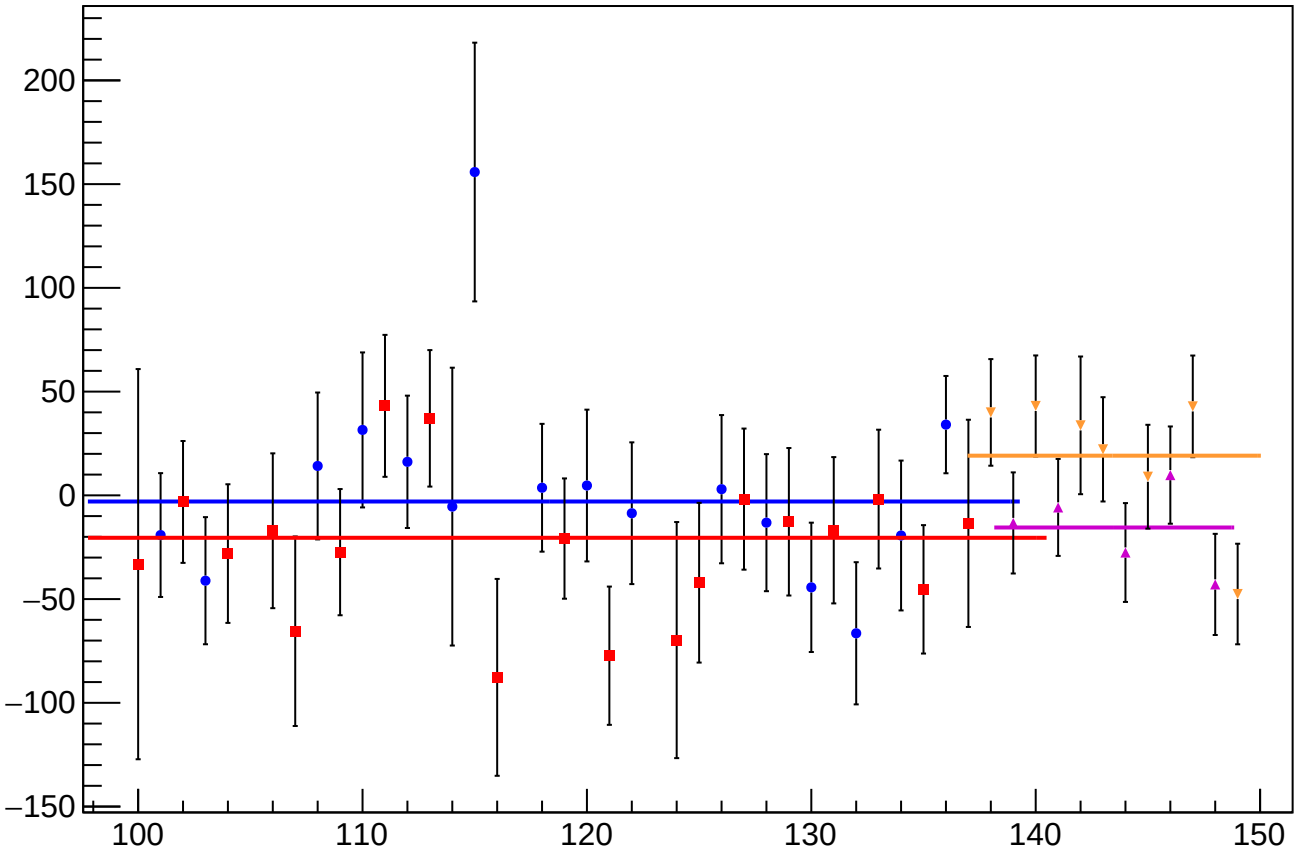
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 239.839+/-0.083 χ^2/NDF:168220.0/4

+ sign 211.943+/-0.044 χ^2/NDF: 1500095.7/22

All: 200.851+/-0.030 χ^2/NDF: 3858368.6/46

- 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: 19.120+/-9.686 χ^2/NDF:10.5/6

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

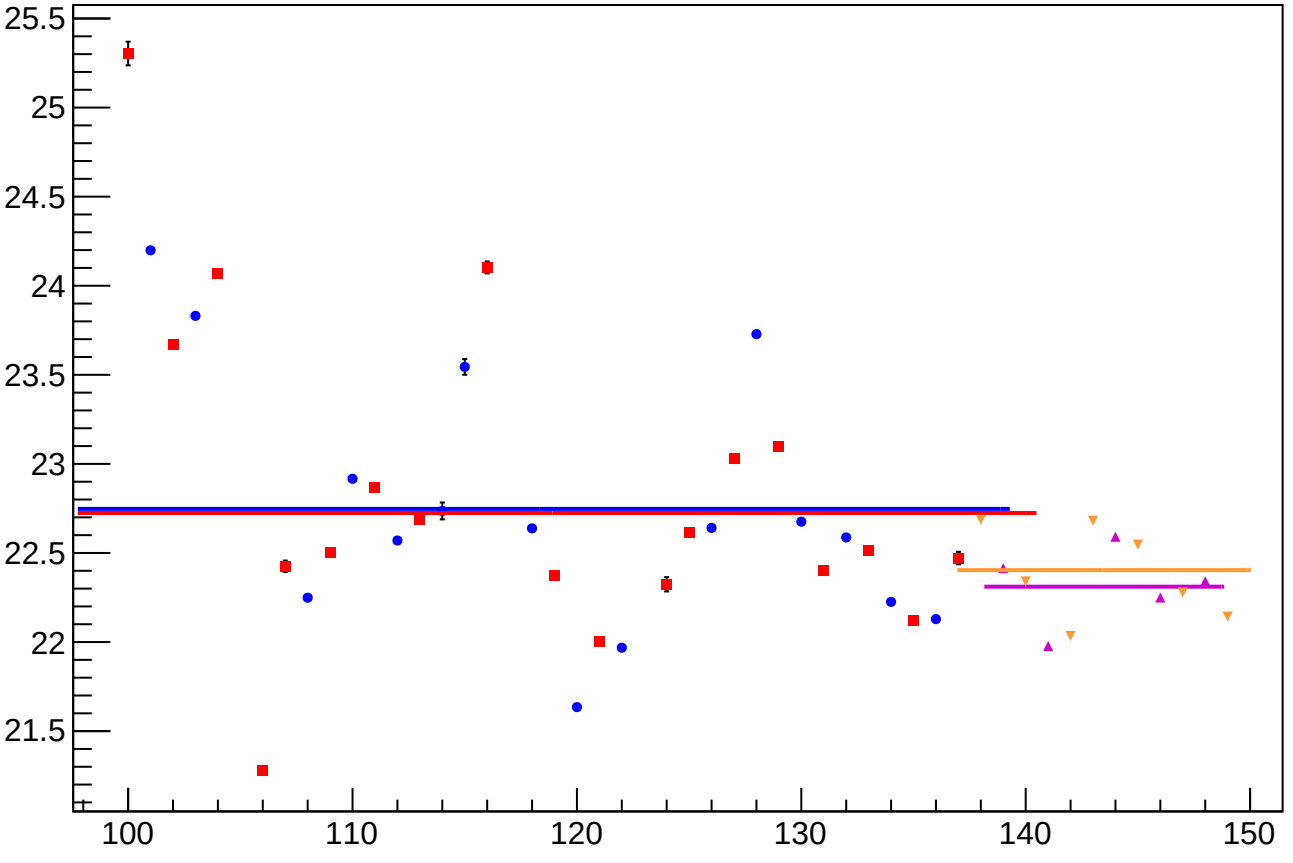
Left In: -15.499+/-10.671 χ^2/NDF:2.9/4

+ sign 6.583+/-6.369 χ^2/NDF: 31.4/22

All: -5.656+/-4.565 χ^2/NDF: 57.3/46

- 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: 22.404+/-0.007 χ^2/NDF:1096.5/6

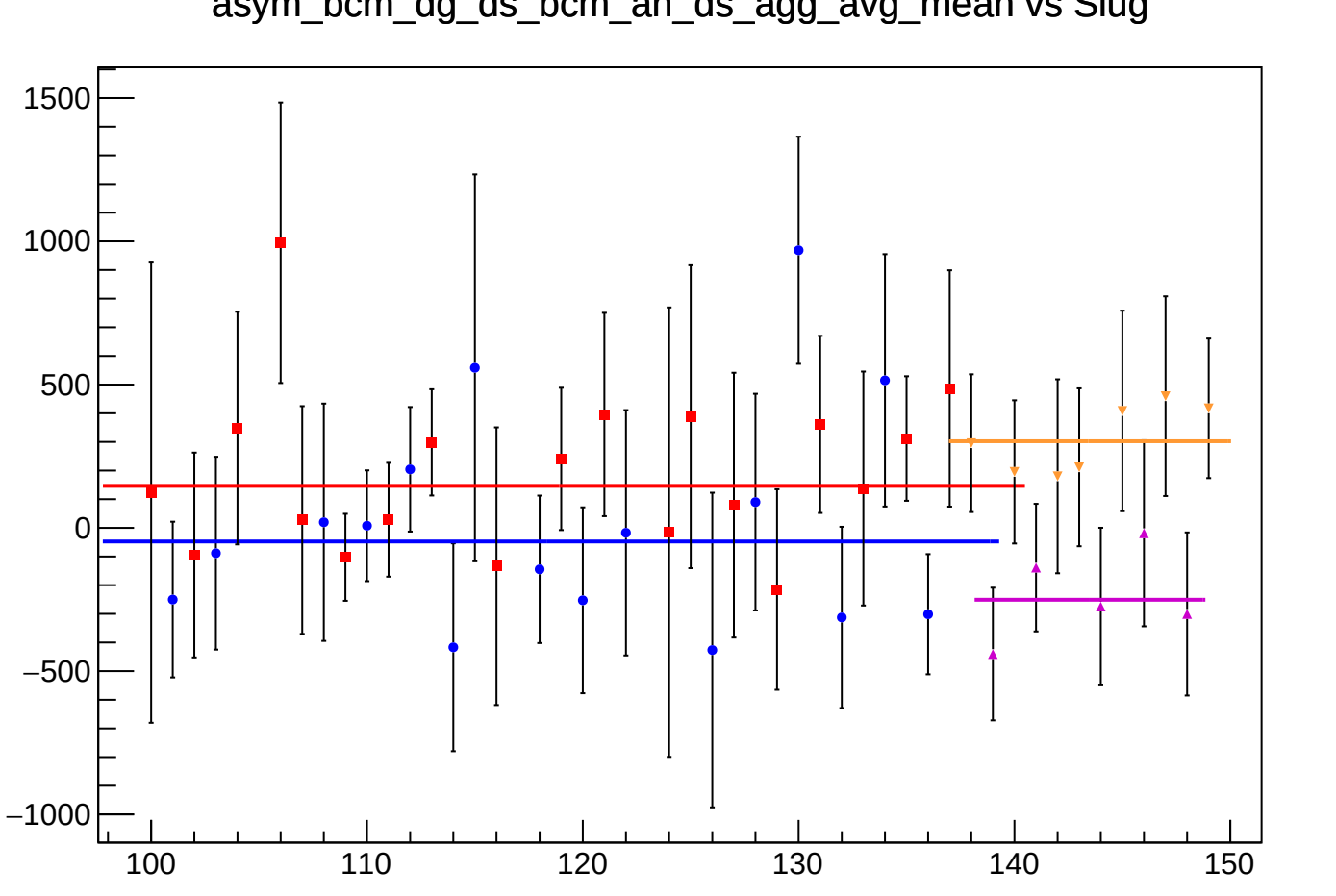
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.311+/-0.008 χ^2/NDF:736.4/4

\+ sign 22.599+/-0.005 χ^2/NDF: 17149.2/22

All: 22.584+/-0.003 χ^2/NDF: 34270.3/46

\- 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: 302.272+/-106.312 χ^2/NDF:0.9/6

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

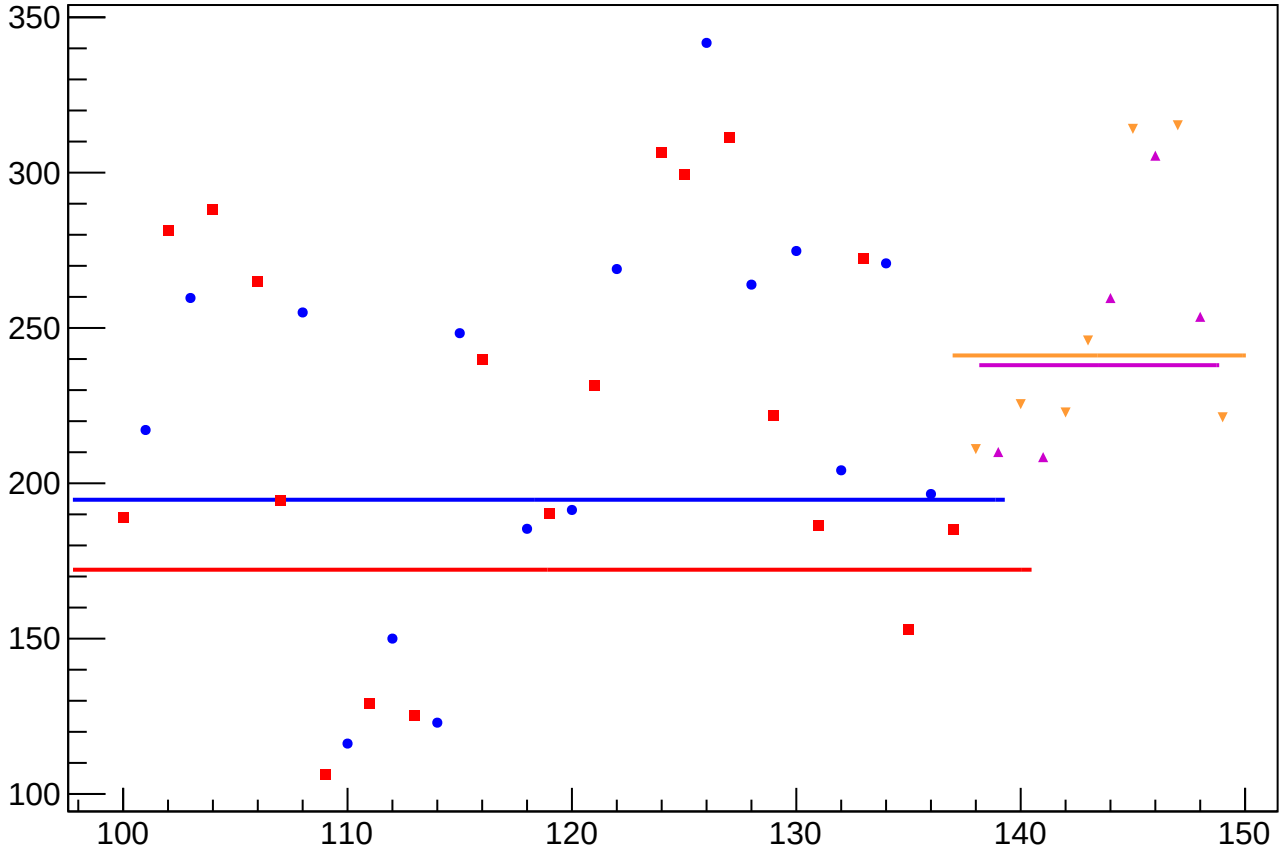
Left In: -250.863+/-116.343 χ^2/NDF:1.5/4

\+ sign 71.956+/-62.133 χ^2/NDF: 23.5/22

All: 57.505+/-42.770 χ^2/NDF: 45.3/46

\- sign 44.492+/-58.963 χ^2/NDF: 21.7/23

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 241.154+/-0.075 χ^2/NDF:236457.1/6

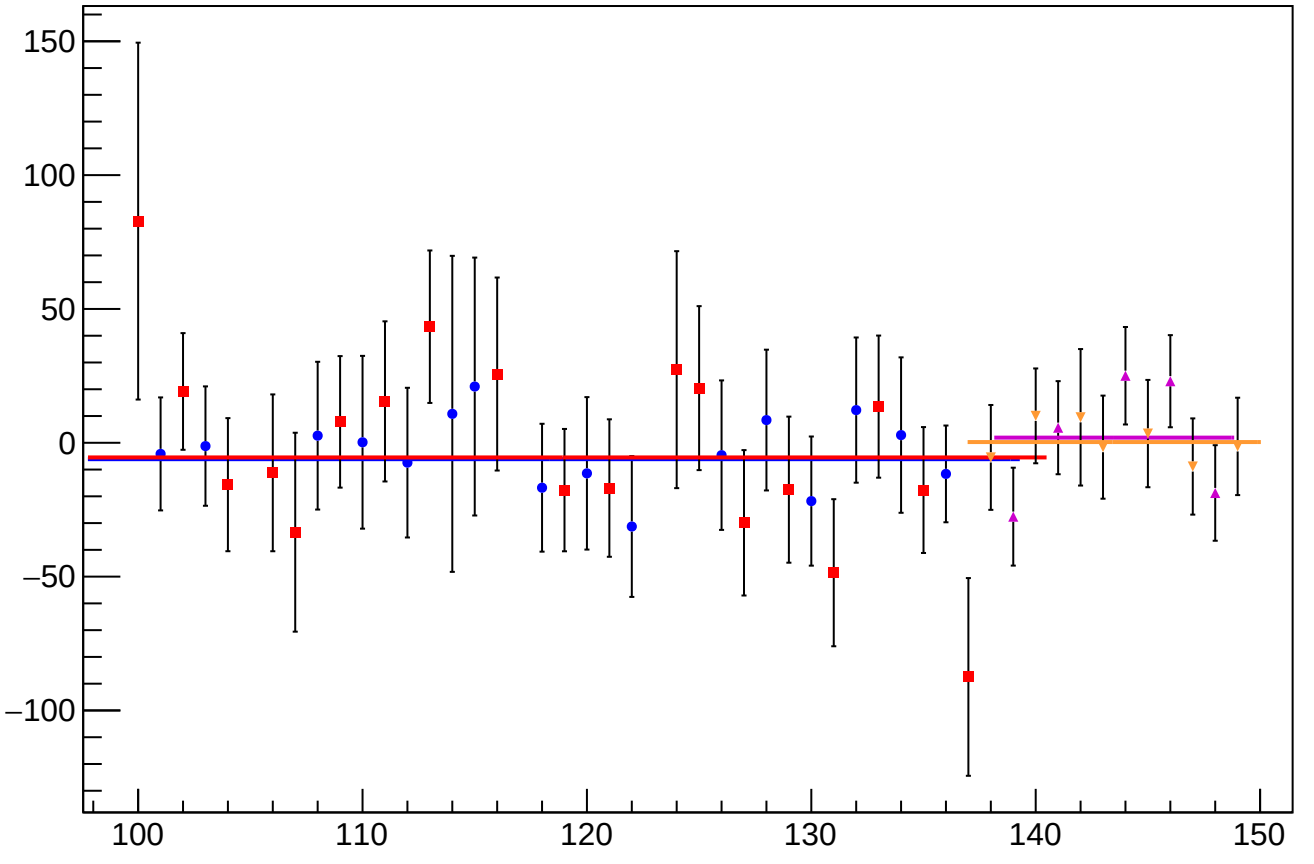
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 238.021+/-0.082 χ^2/NDF:169097.2/4

+ sign 210.572+/-0.044 χ^2/NDF: 1540092.3/22

All: 199.272+/-0.030 χ^2/NDF: 3981911.3/46

- 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: 0.274+/-7.326 χ^2/NDF:0.8/6

Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

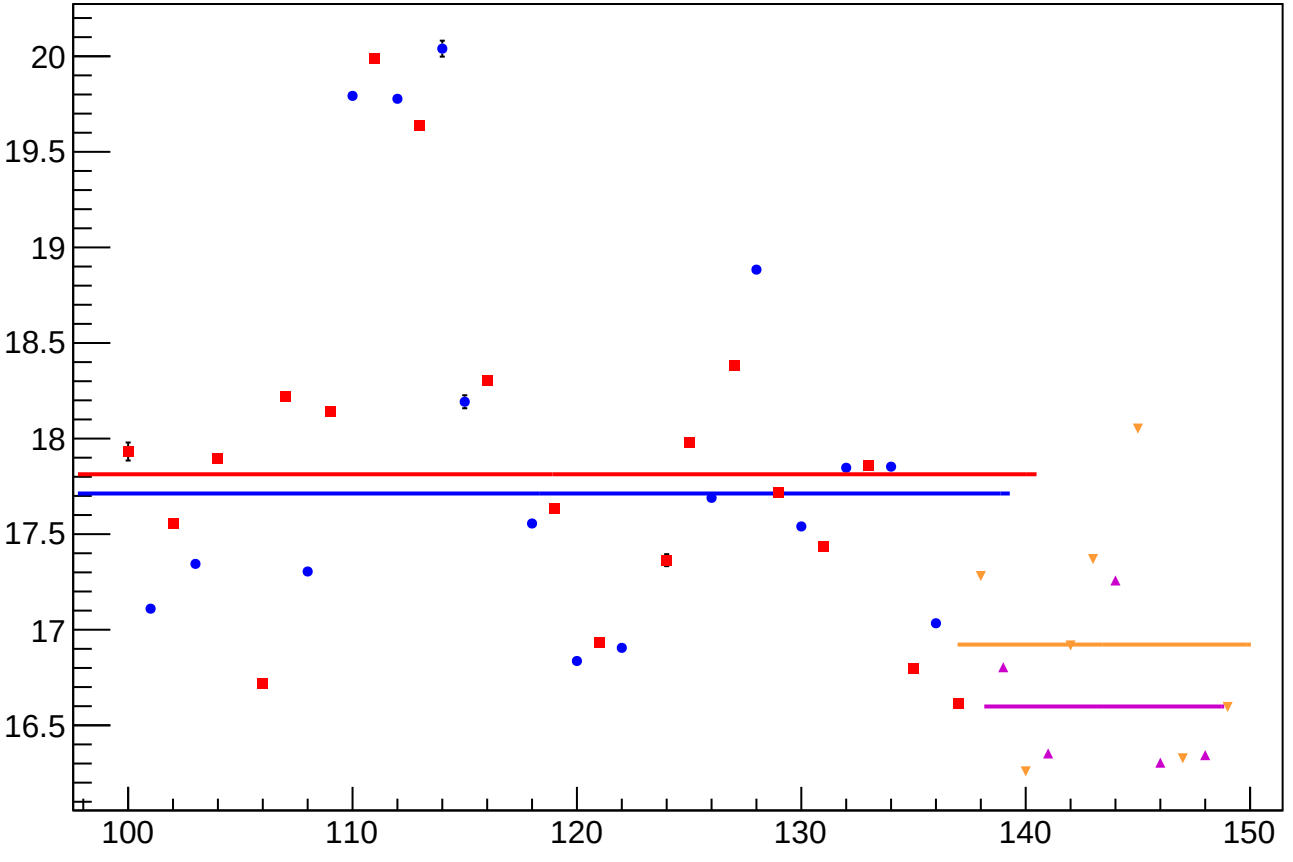
Left In: 1.928+/-7.949 χ^2/NDF:7.1/4

+ sign -3.259+/-4.900 χ^2/NDF: 4.4/22

All: -2.890+/-3.512 χ^2/NDF: 31.2/46

- 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: 16.922+/-0.005 χ^2/NDF:13743.0/6

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

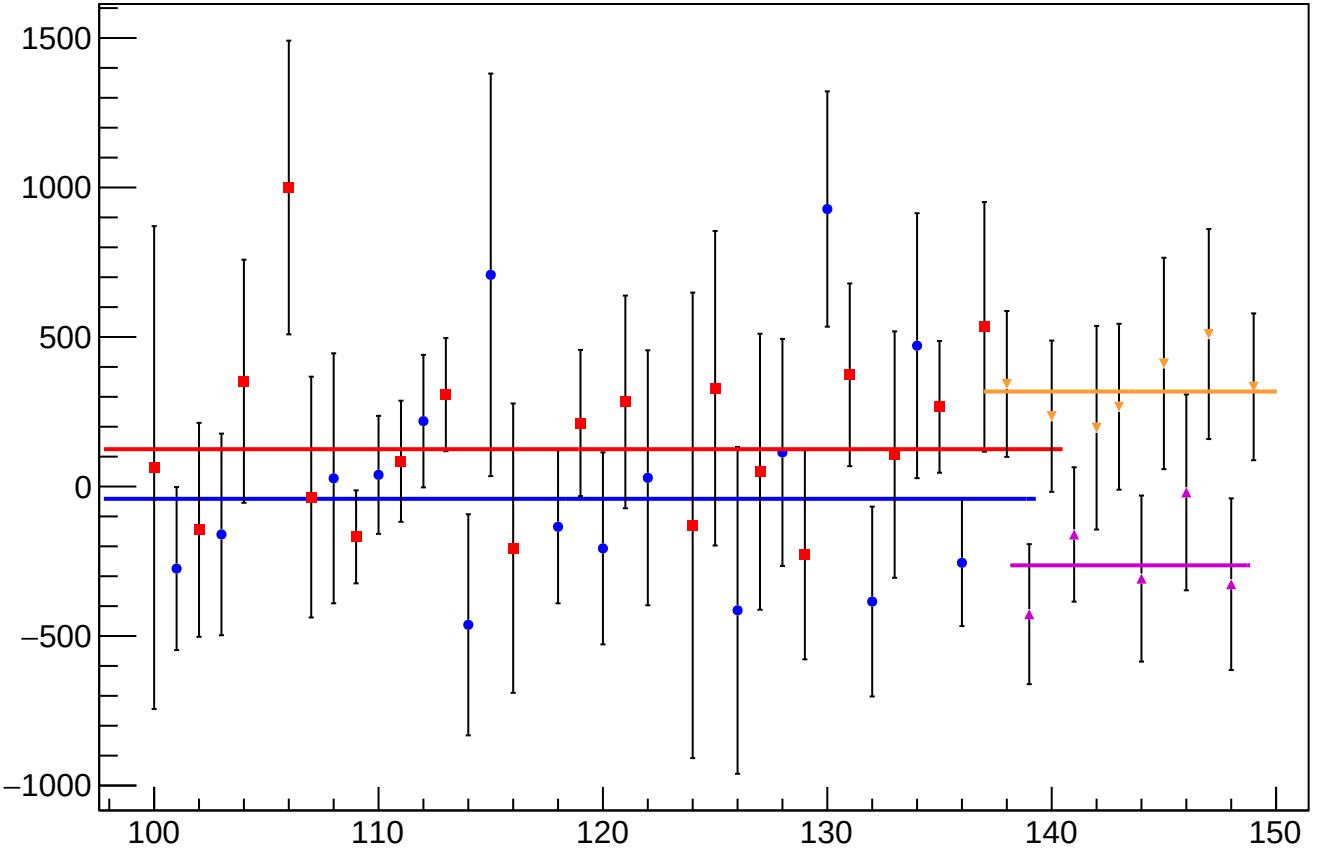
Left In: 16.598+/-0.006 χ^2/NDF:4261.5/4

+ sign 17.359+/-0.003 χ^2/NDF: 62587.6/22

All: 17.343+/-0.002 χ^2/NDF: 127571.4/46

- sign 17.326+/-0.004 χ^2/NDF: 64938.8/23

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 317.733+/-107.357 χ^2/NDF:0.7/6

Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

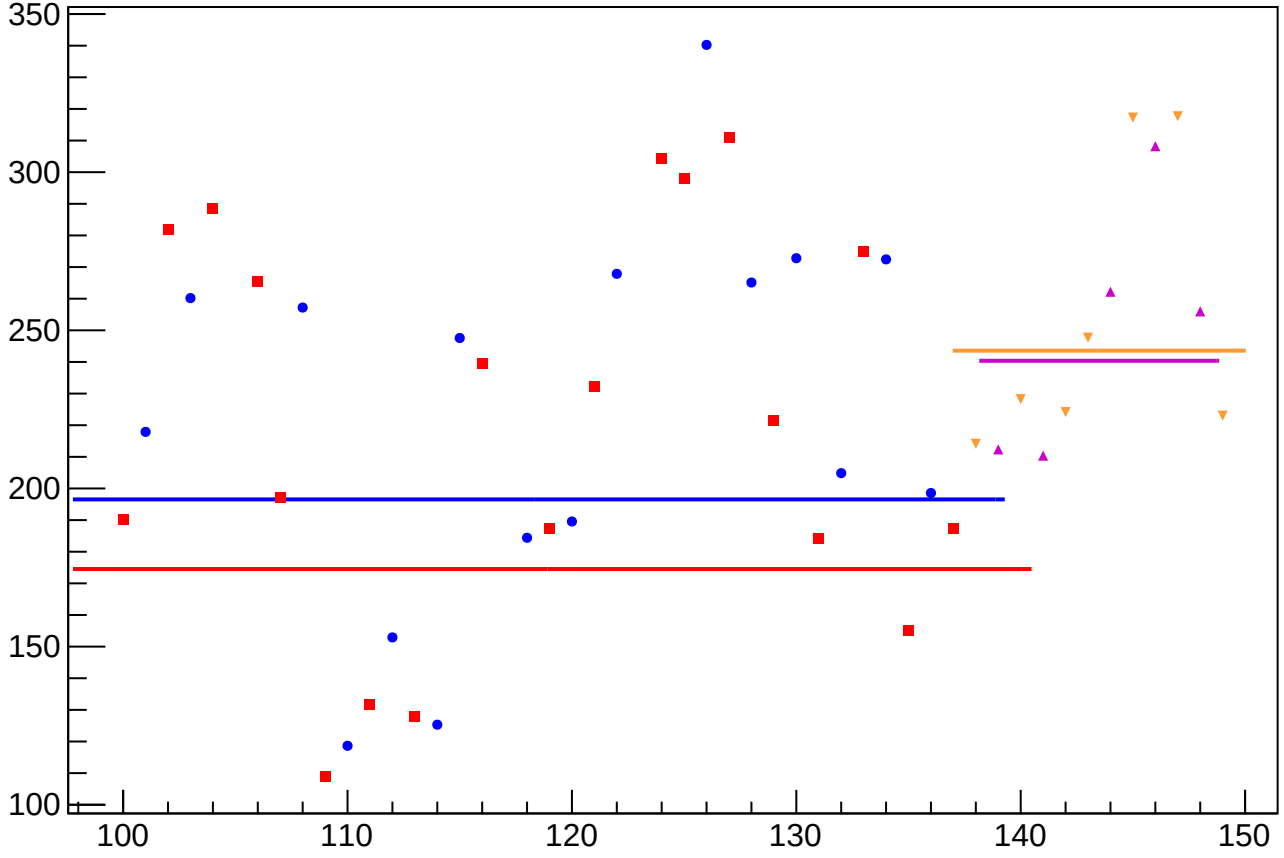
Left In: -263.580+/-117.468 χ^2/NDF:1.3/4

\+ sign 81.070+/-62.645 χ^2/NDF: 23.6/22

All: 51.619+/-43.166 χ^2/NDF: 46.4/46

\- sign 24.993+/-59.565 χ^2/NDF: 22.3/23

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 243.581+/-0.076 χ^2/NDF:233445.3/6

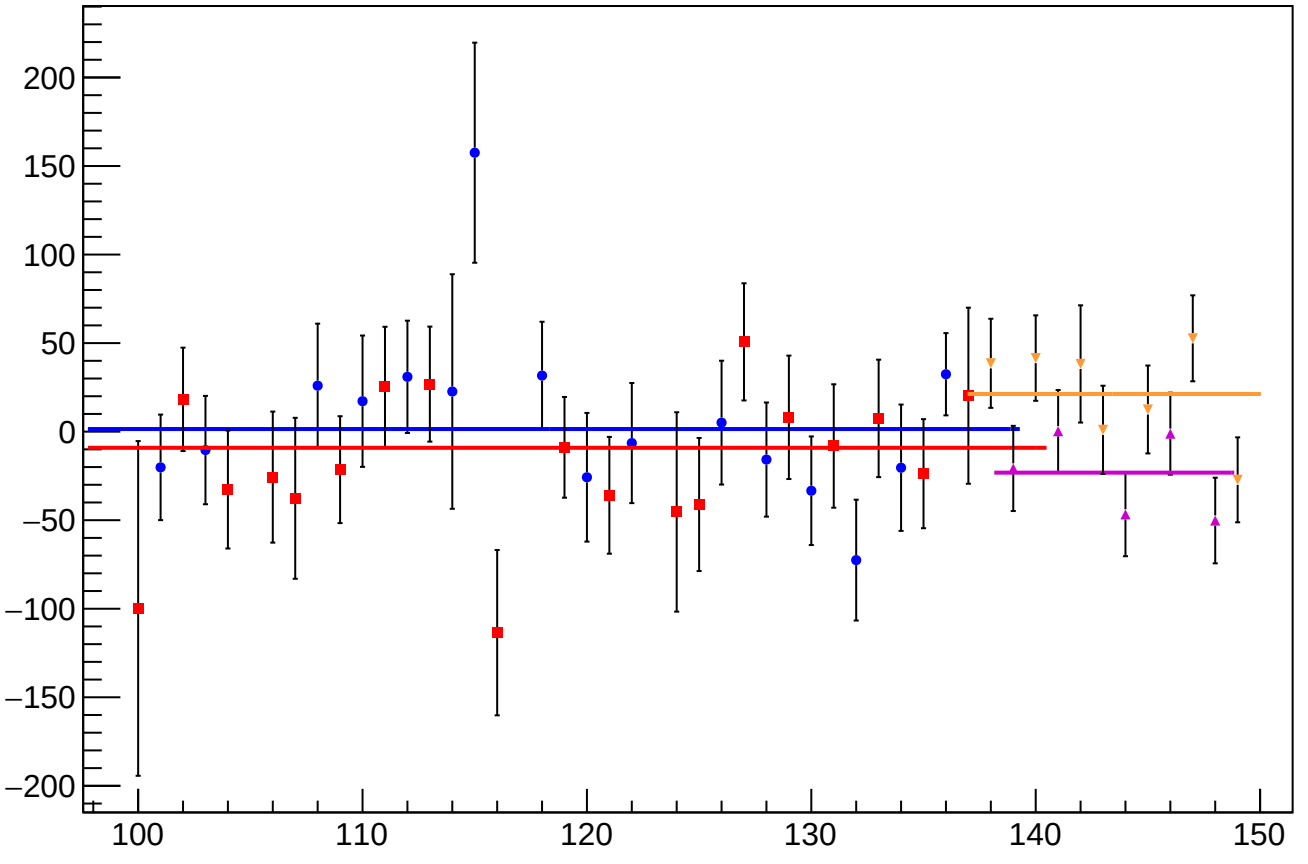
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 240.371+/-0.083 χ^2/NDF:168343.8/4

+ sign 212.559+/-0.044 χ^2/NDF: 1487438.9/22

All: 201.481+/-0.031 χ^2/NDF: 3830201.7/46

- 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: 21.272+/-9.586 χ^2/NDF:8.0/6

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

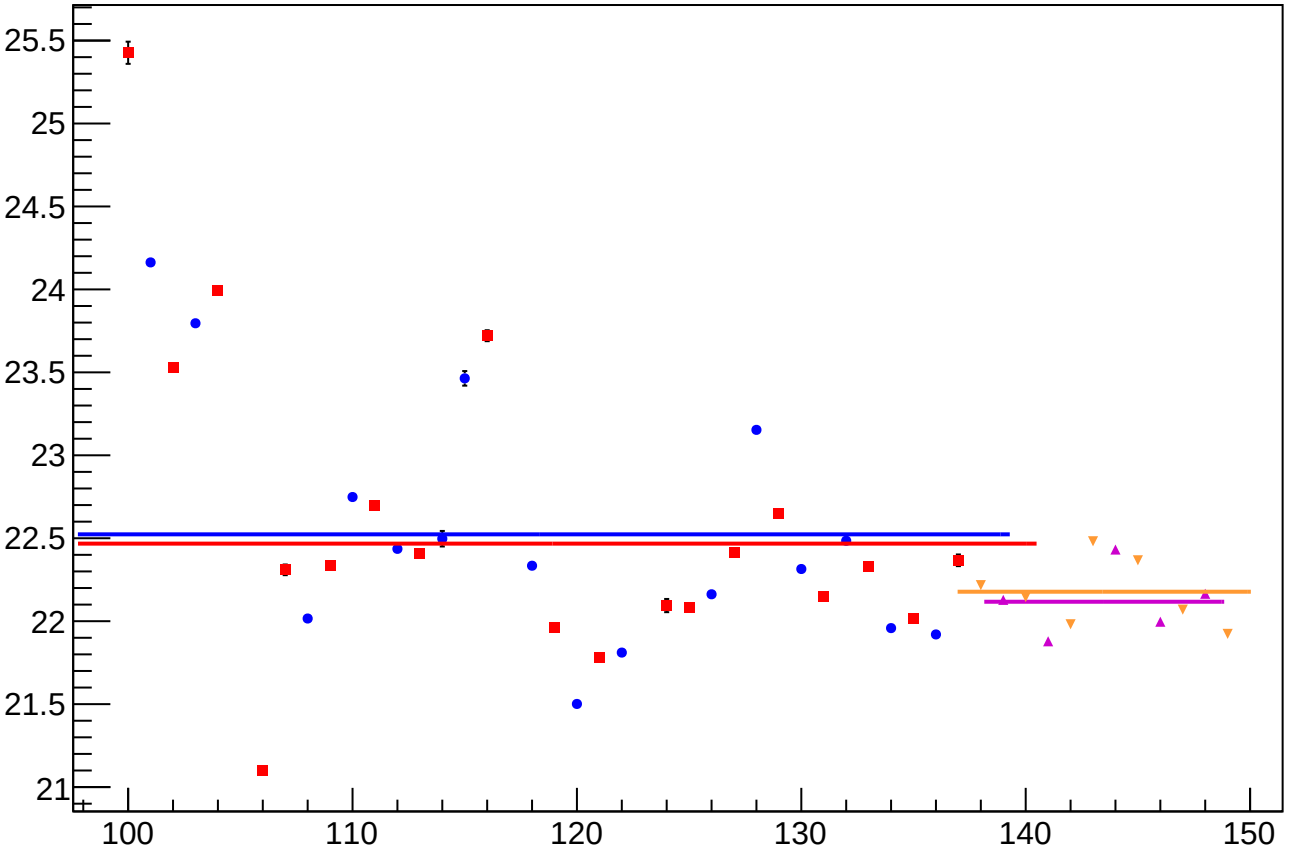
Left In: -23.144+/-10.578 χ^2/NDF:4.2/4

\+ sign 10.039+/-6.305 χ^2/NDF: 29.1/22

All: -1.837+/-4.519 χ^2/NDF: 58.1/46

\- 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: 22.178+/-0.007 χ^2/NDF:757.4/6

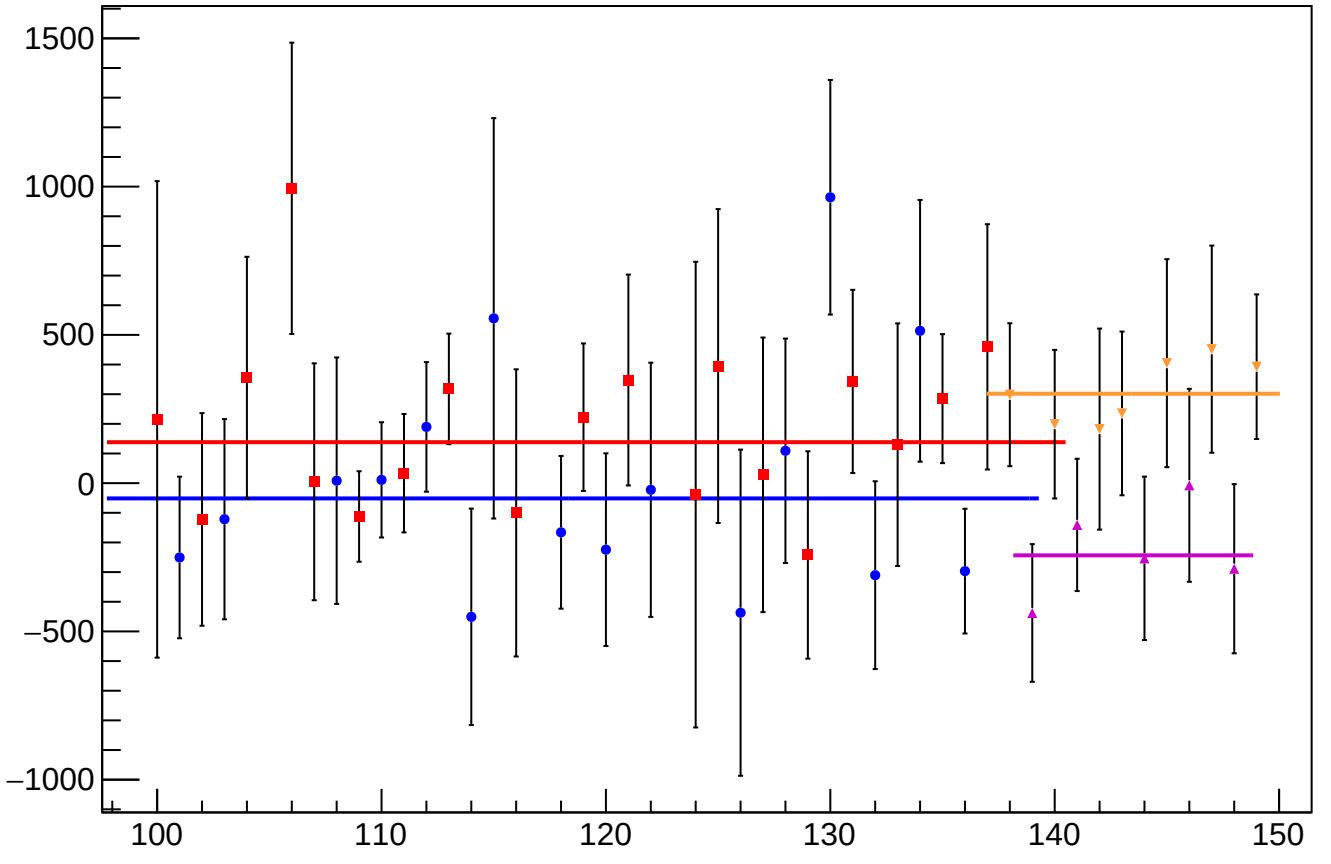
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.117+/-0.007 χ^2/NDF:626.4/4

+ sign 22.374+/-0.004 χ^2/NDF: 18182.7/22

All: 22.356+/-0.003 χ^2/NDF: 35841.3/46

- 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: 301.565+/-106.540 χ^2/NDF:0.8/6

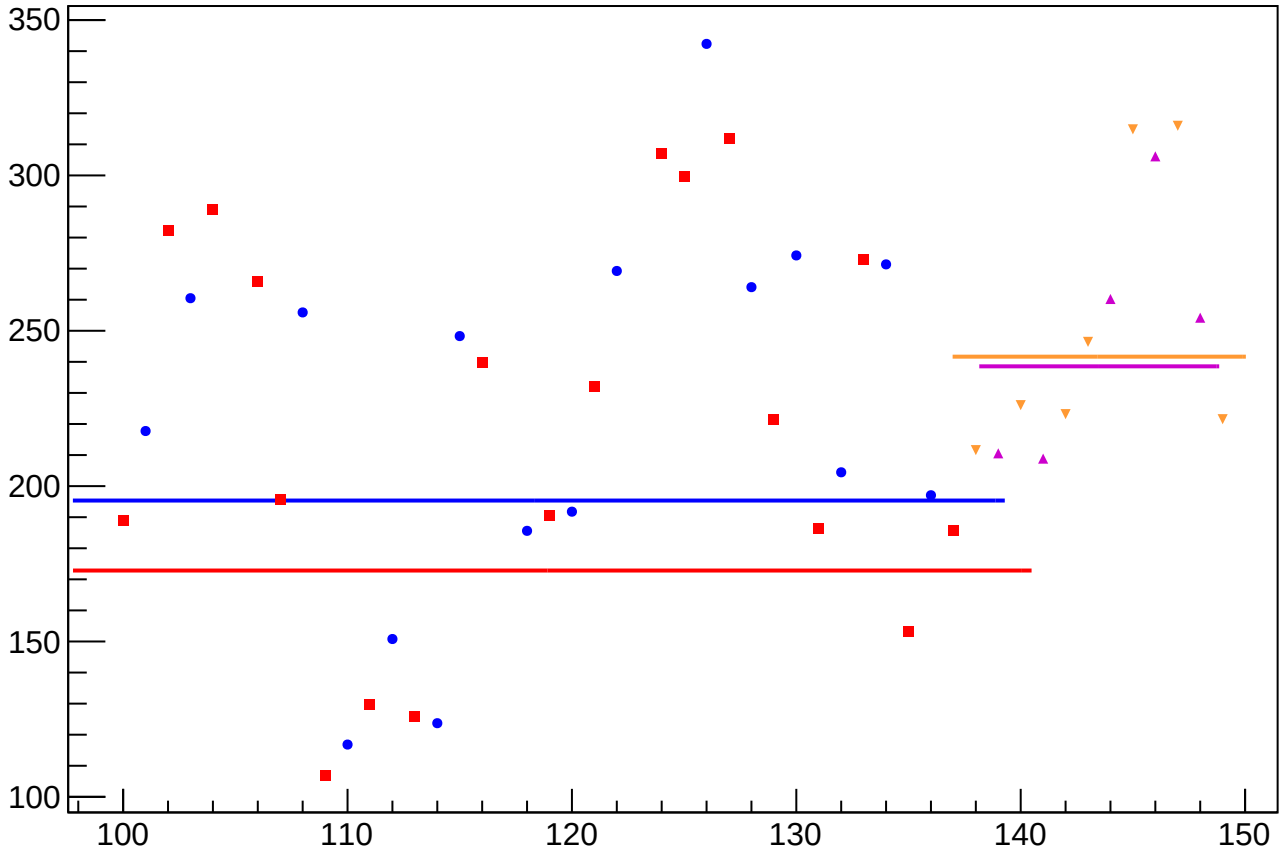
Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: -243.494+/-116.604 χ^2/NDF:1.5/4

+ sign 69.230+/-62.299 χ^2/NDF: 23.3/22

All: 53.853+/-42.893 χ^2/NDF: 44.5/46

- 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: 241.670+/-0.075 χ^2/NDF:236615.2/6

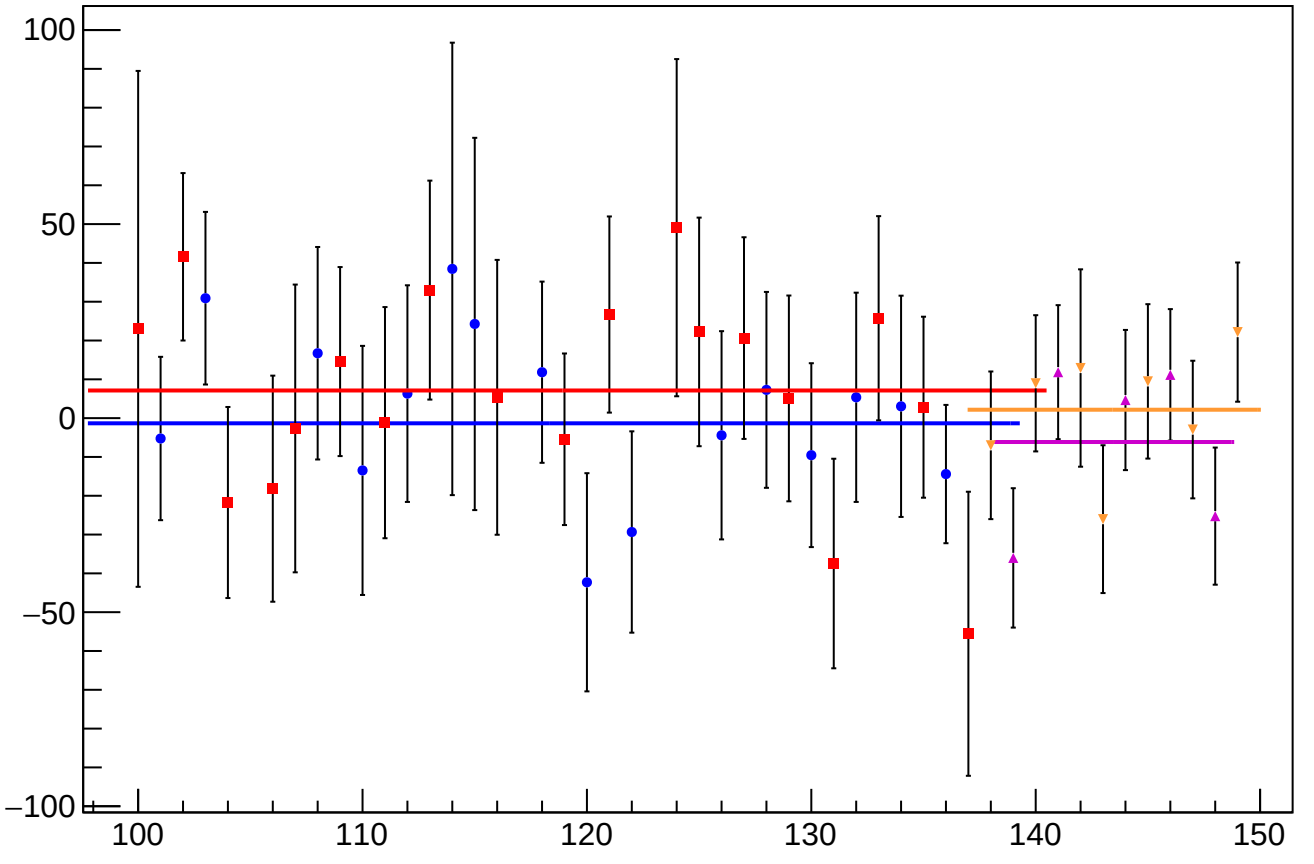
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 238.555+/-0.082 χ^2/NDF:169208.8/4

+ sign 211.196+/-0.044 χ^2/NDF: 1526709.2/22

All: 199.912+/-0.030 χ^2/NDF: 3951938.8/46

- 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: 2.169+/-7.230 χ^2/NDF:4.2/6

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

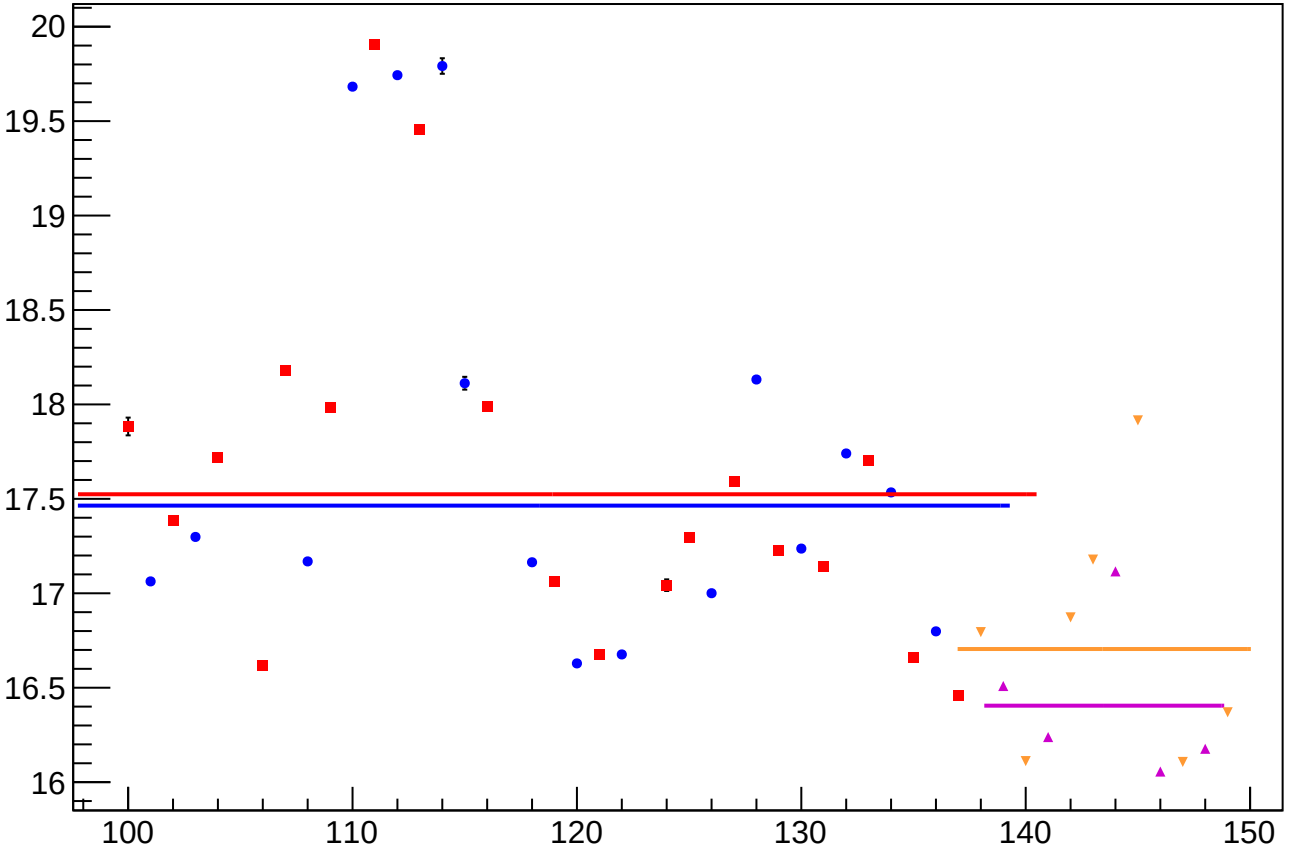
Left In: -6.150+/-7.855 χ^2/NDF:6.4/4

\+ sign 0.233+/-4.833 χ^2/NDF: 12.4/22

All: 1.009+/-3.462 χ^2/NDF: 35.0/46

\- 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: 16.705+/-0.005 χ^2/NDF:14032.3/6

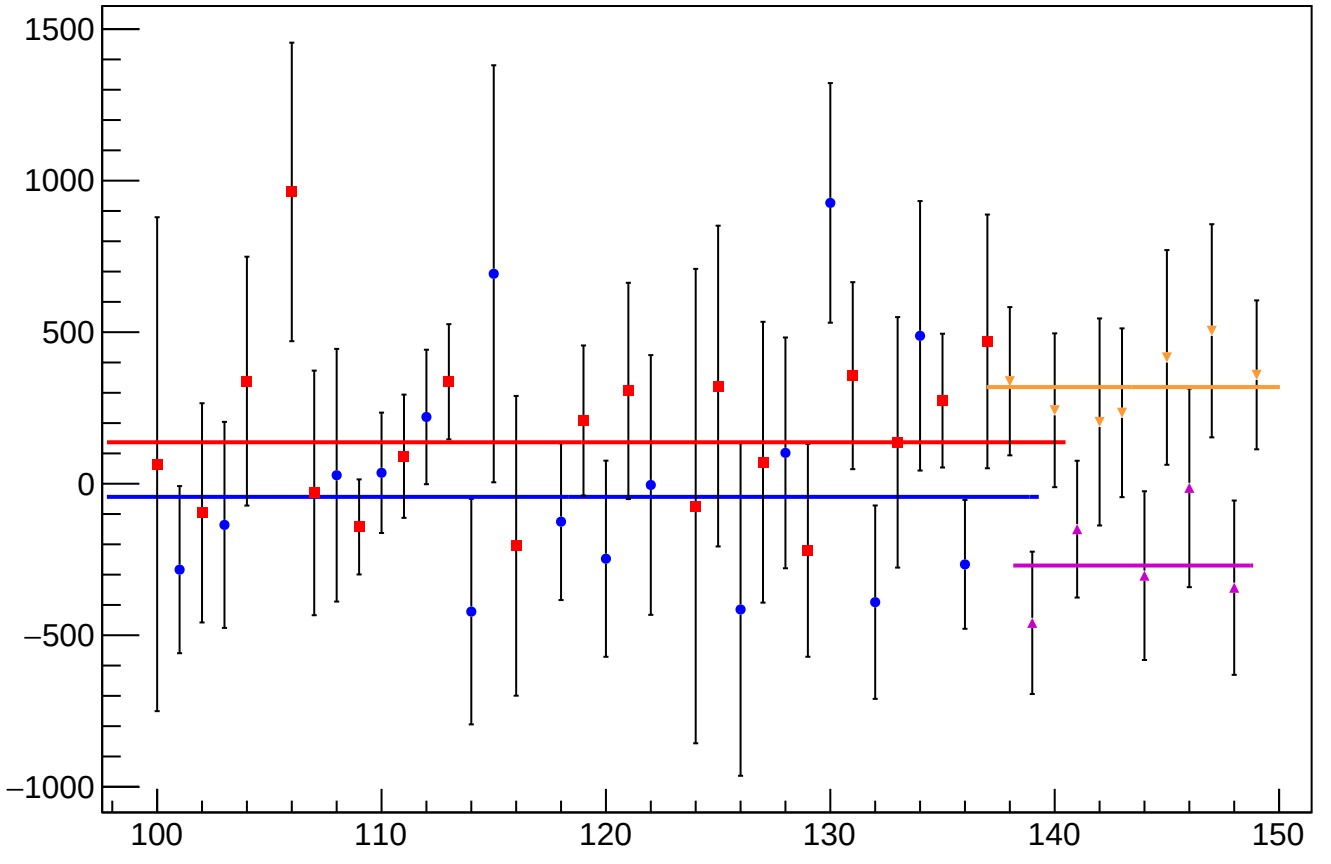
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.405+/-0.006 χ^2/NDF:4533.6/4

+ sign 17.125+/-0.003 χ^2/NDF: 62882.4/22

All: 17.102+/-0.002 χ^2/NDF: 126640.8/46

- 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: 318.934+/-107.626 χ^2/NDF:0.7/6

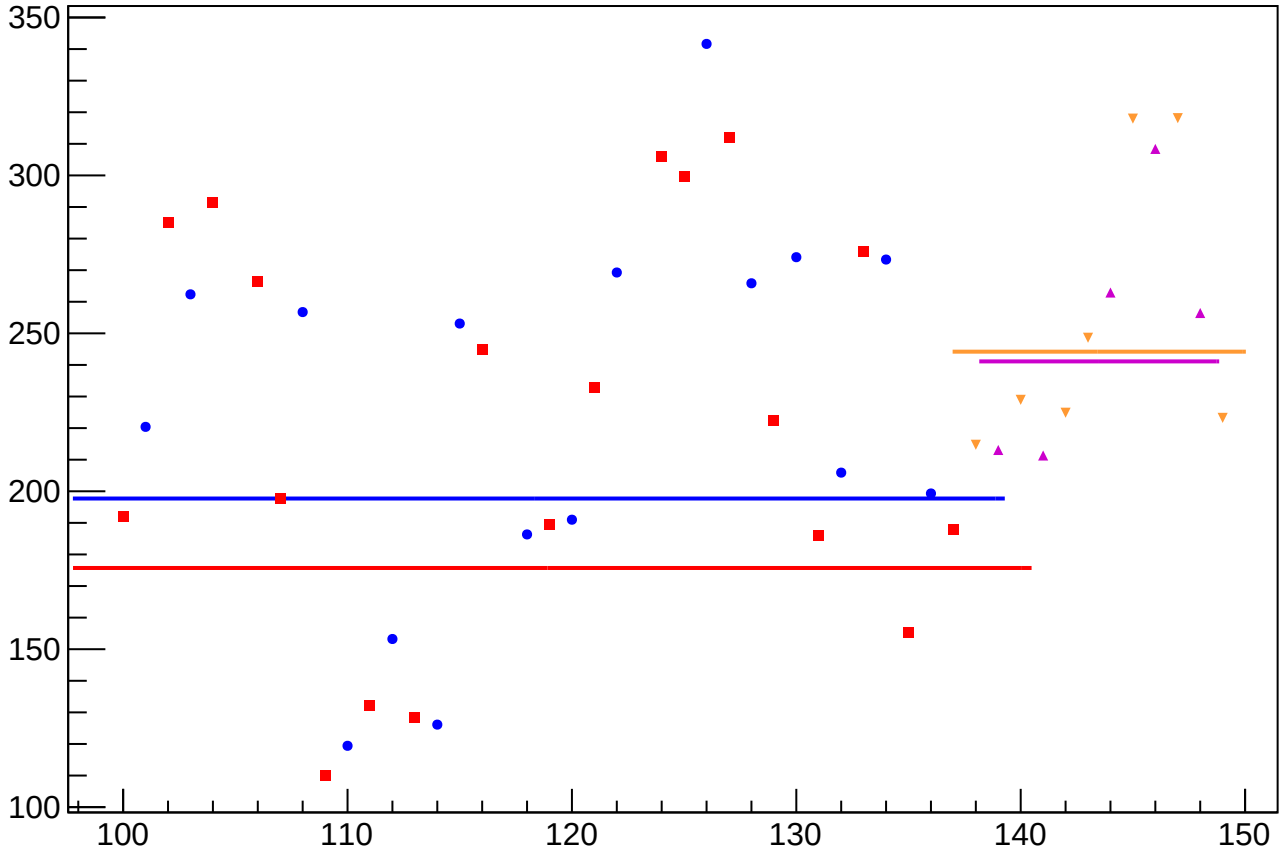
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -269.950+/-117.808 χ^2/NDF:1.6/4

\+ sign 80.512+/-62.936 χ^2/NDF: 23.6/22

All: 54.869+/-43.388 χ^2/NDF: 45.9/46

\- 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: 244.201+/-0.076 χ^2/NDF:232874.6/6

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

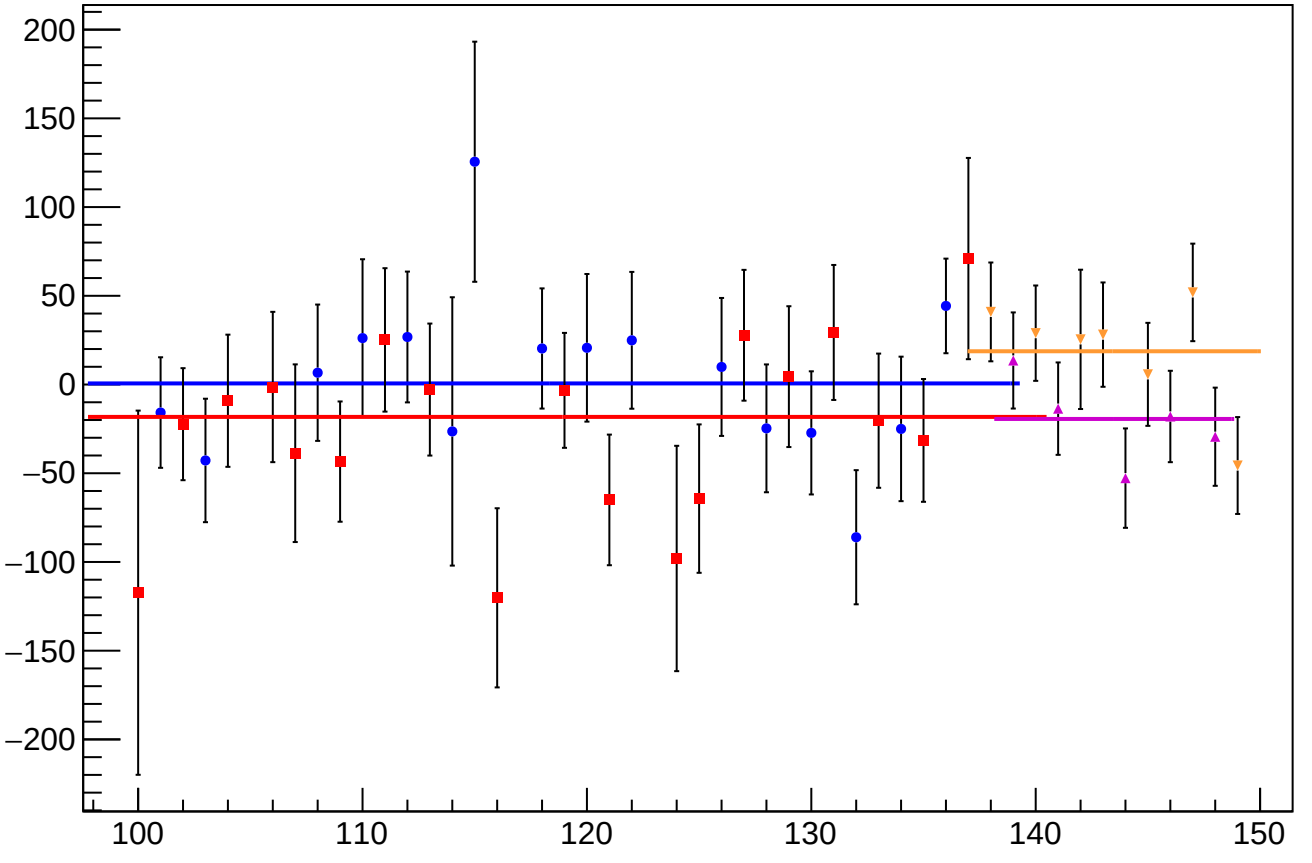
Left In: 241.118+/-0.083 χ^2/NDF:165552.2/4

+ sign 213.606+/-0.045 χ^2/NDF: 1478803.2/22

All: 202.595+/-0.031 χ^2/NDF: 3808653.1/46

- sign 192.621+/-0.042 χ^2/NDF: 2213178.7/23

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 18.744+/-10.954 χ^2/NDF:8.1/6

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

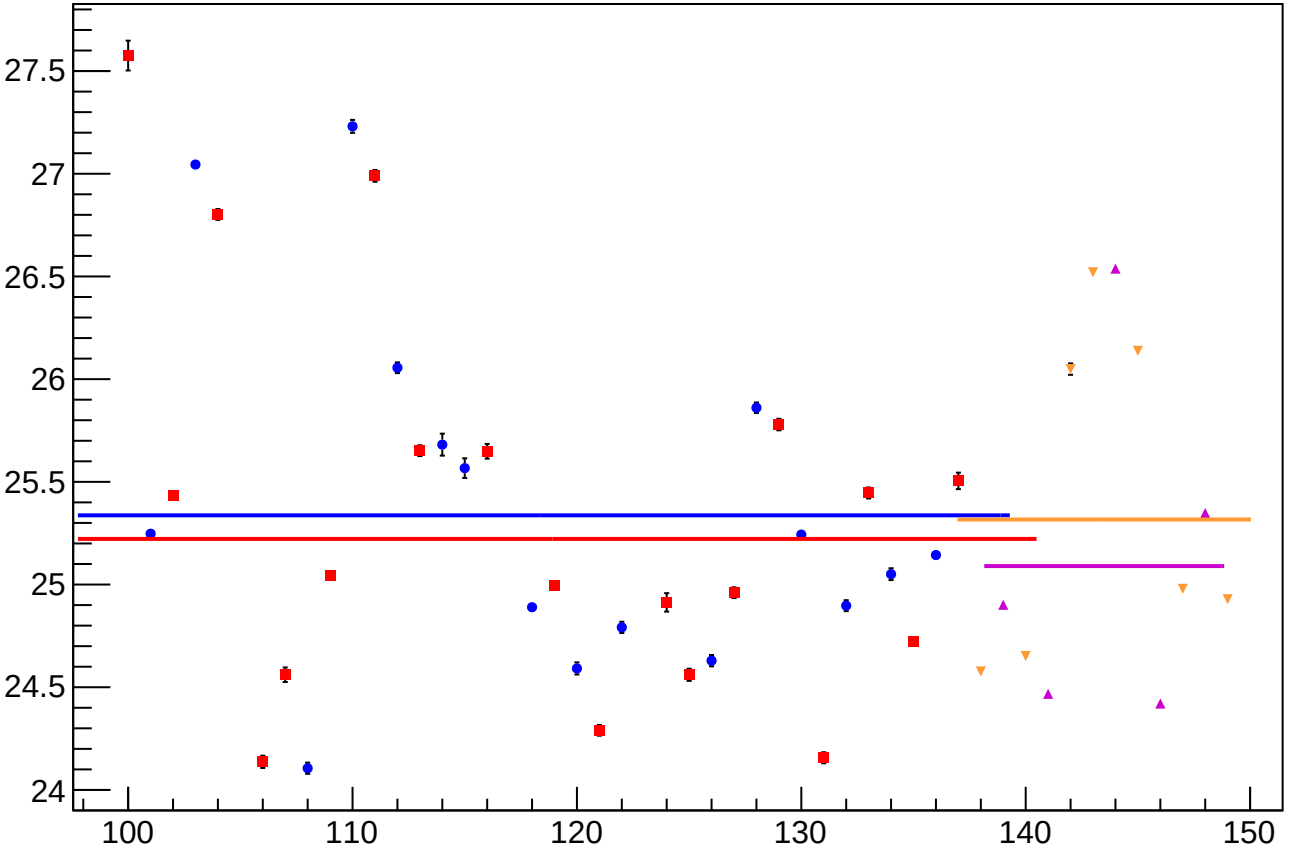
Left In: -19.404+/-12.014 χ^2/NDF:3.1/4

+ sign 8.326+/-7.143 χ^2/NDF: 26.4/22

All: -4.865+/-5.108 χ^2/NDF: 54.5/46

- sign -18.676+/-7.309 χ^2/NDF: 21.1/23

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.317+/-0.008 χ^2/NDF:8992.4/6

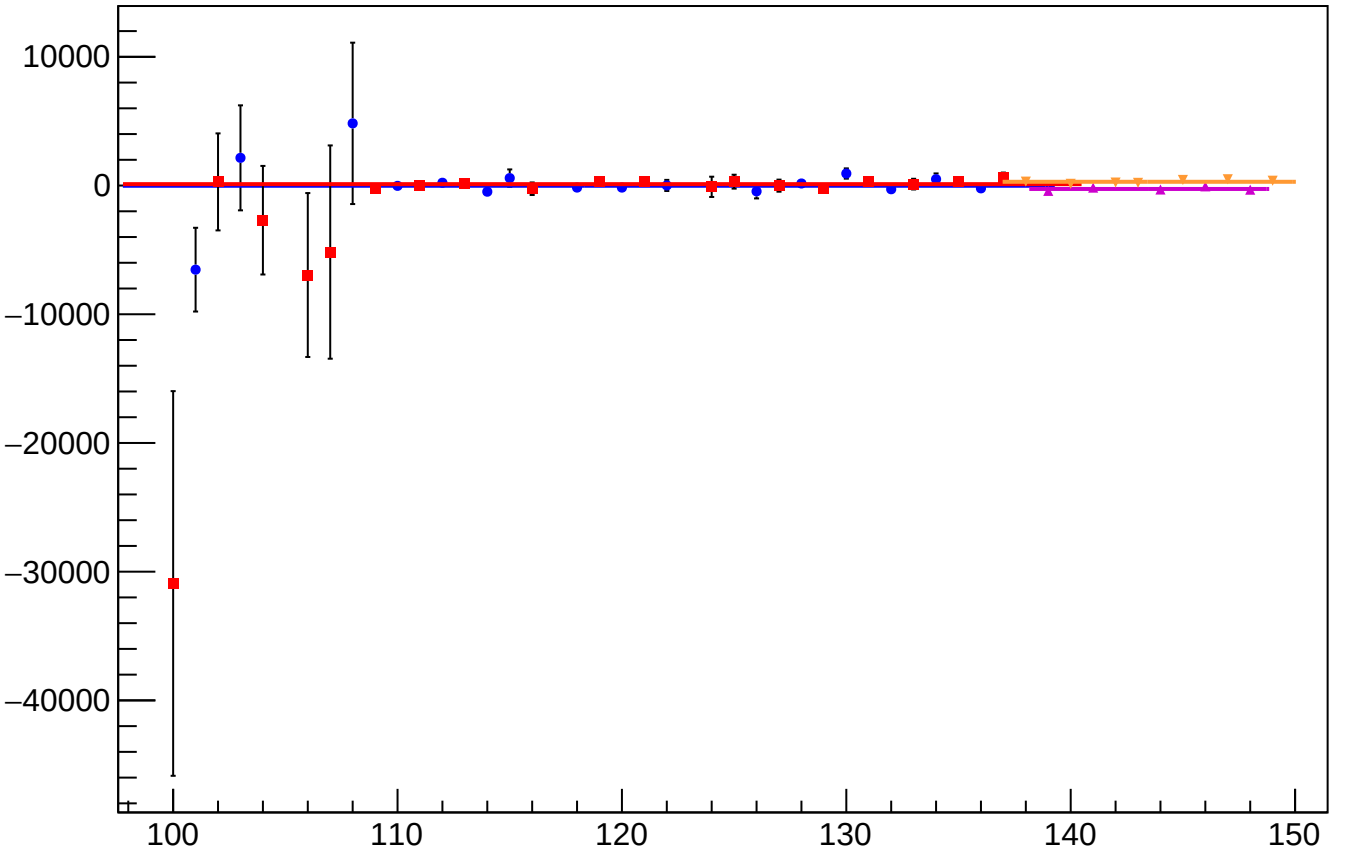
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.090+/-0.008 χ^2/NDF:8109.0/4

+ sign 25.328+/-0.005 χ^2/NDF: 23311.3/22

All: 25.253+/-0.004 χ^2/NDF: 47258.1/46

- sign 25.173+/-0.005 χ^2/NDF: 23485.9/23



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 291.971+/-109.082 χ^2/NDF:1.1/6

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

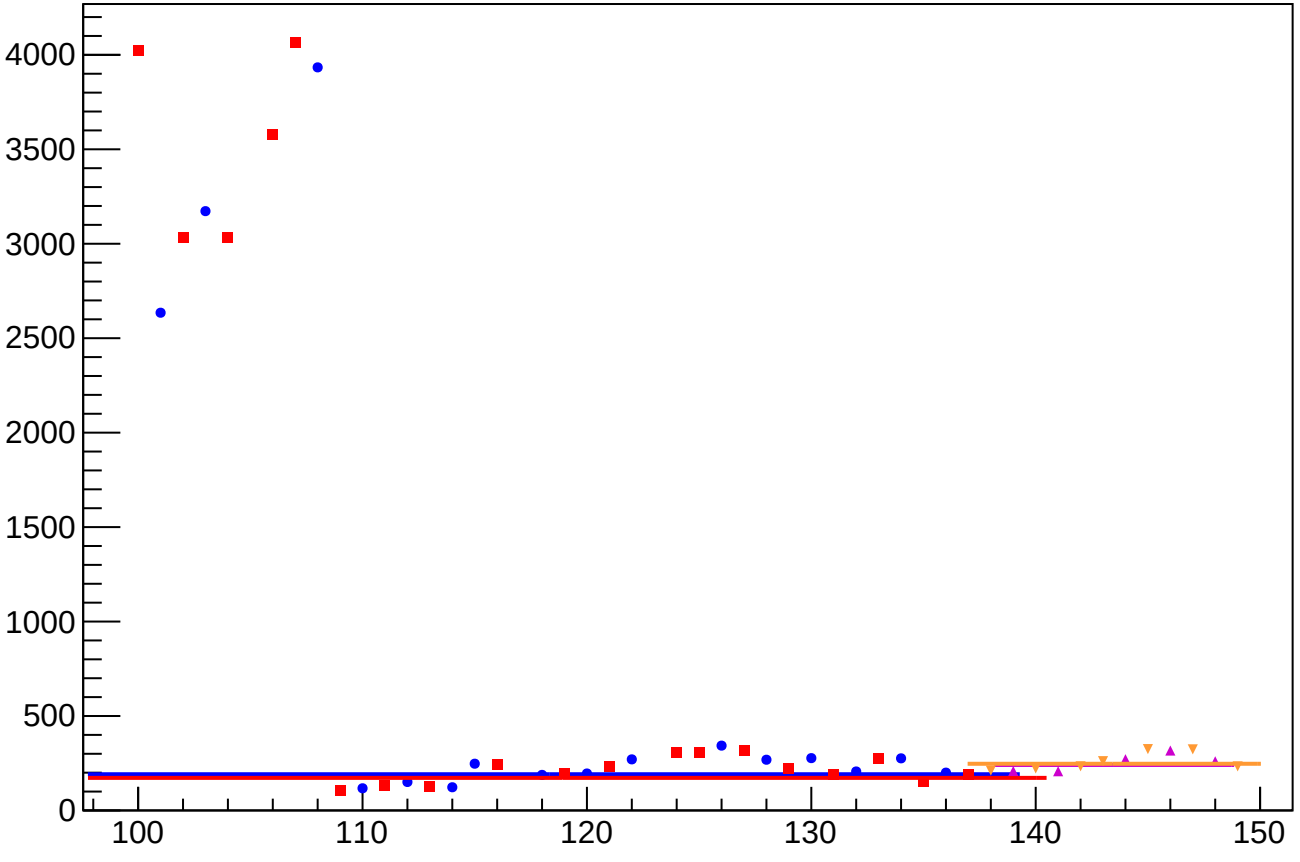
Left In: -265.556+/-118.044 χ^2/NDF:1.1/4

+ sign 100.184+/-66.901 χ^2/NDF: 24.3/22

All: 46.104+/-46.669 χ^2/NDF: 47.7/46

- sign -5.157+/-65.134 χ^2/NDF: 22.1/23

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 247.126+/-0.077 χ^2/NDF:262129.8/6

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

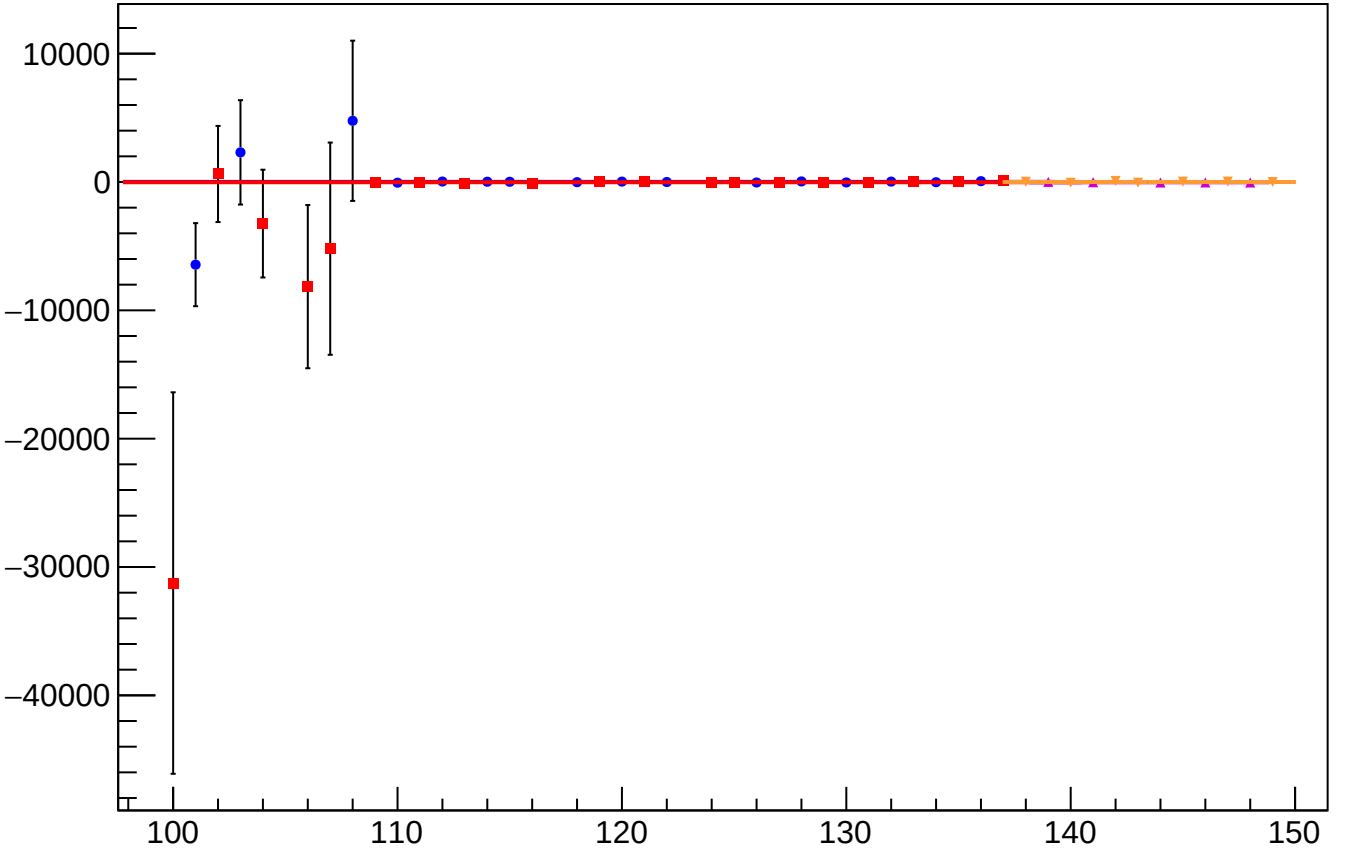
Left In: 240.798+/-0.083 χ^2/NDF:217549.2/4

+ sign 212.570+/-0.047 χ^2/NDF: 4405655.8/22

All: 202.661+/-0.033 χ^2/NDF: 9478000.3/46

- sign 193.267+/-0.046 χ^2/NDF: 4986866.8/23

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -0.234+/-12.836 χ^2/NDF:11.0/6

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

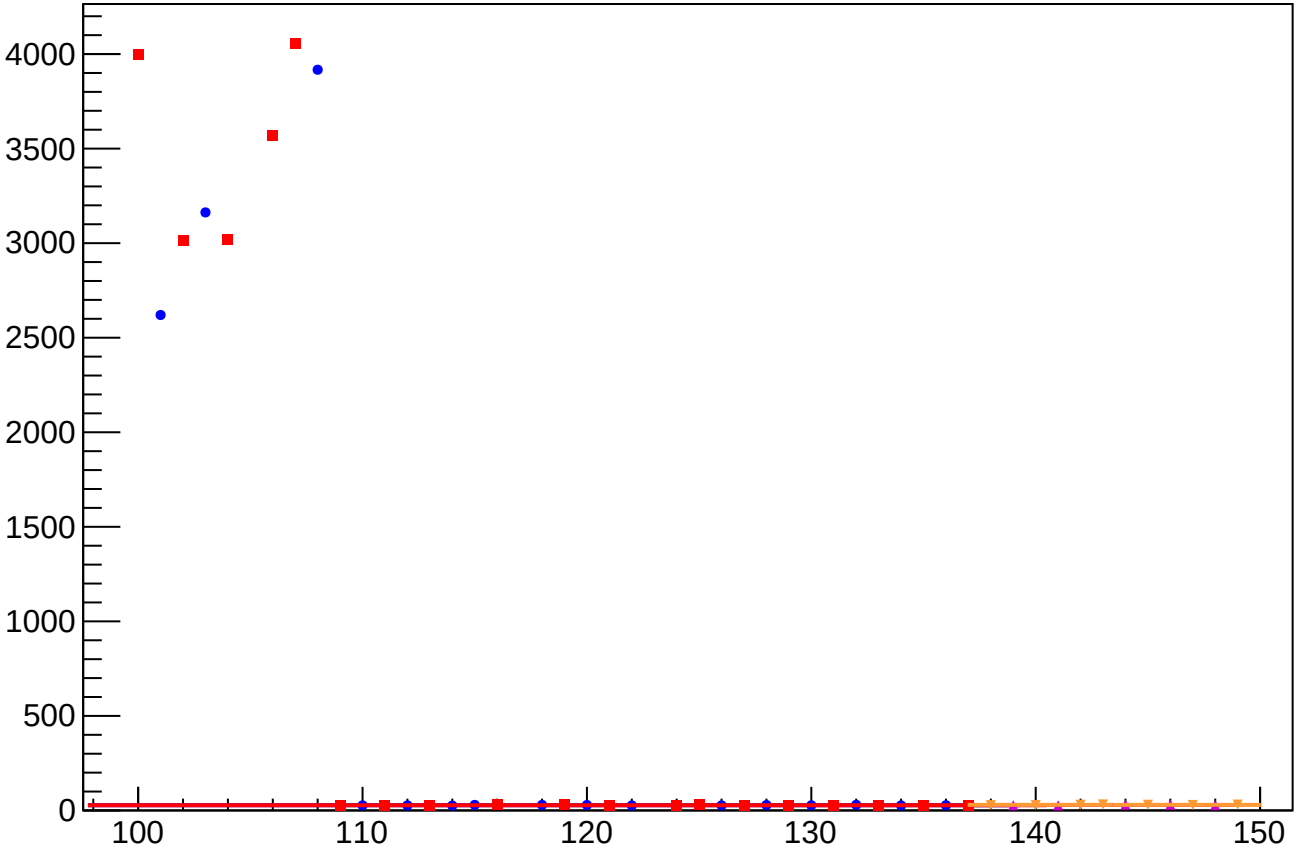
Left In: -22.532+/-13.864 χ^2/NDF:1.7/4

+ sign 5.131+/-8.641 χ^2/NDF: 27.3/22

All: -6.923+/-6.229 χ^2/NDF: 57.9/46

- 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: 29.568+/-0.009 χ^2/NDF:21598.4/6

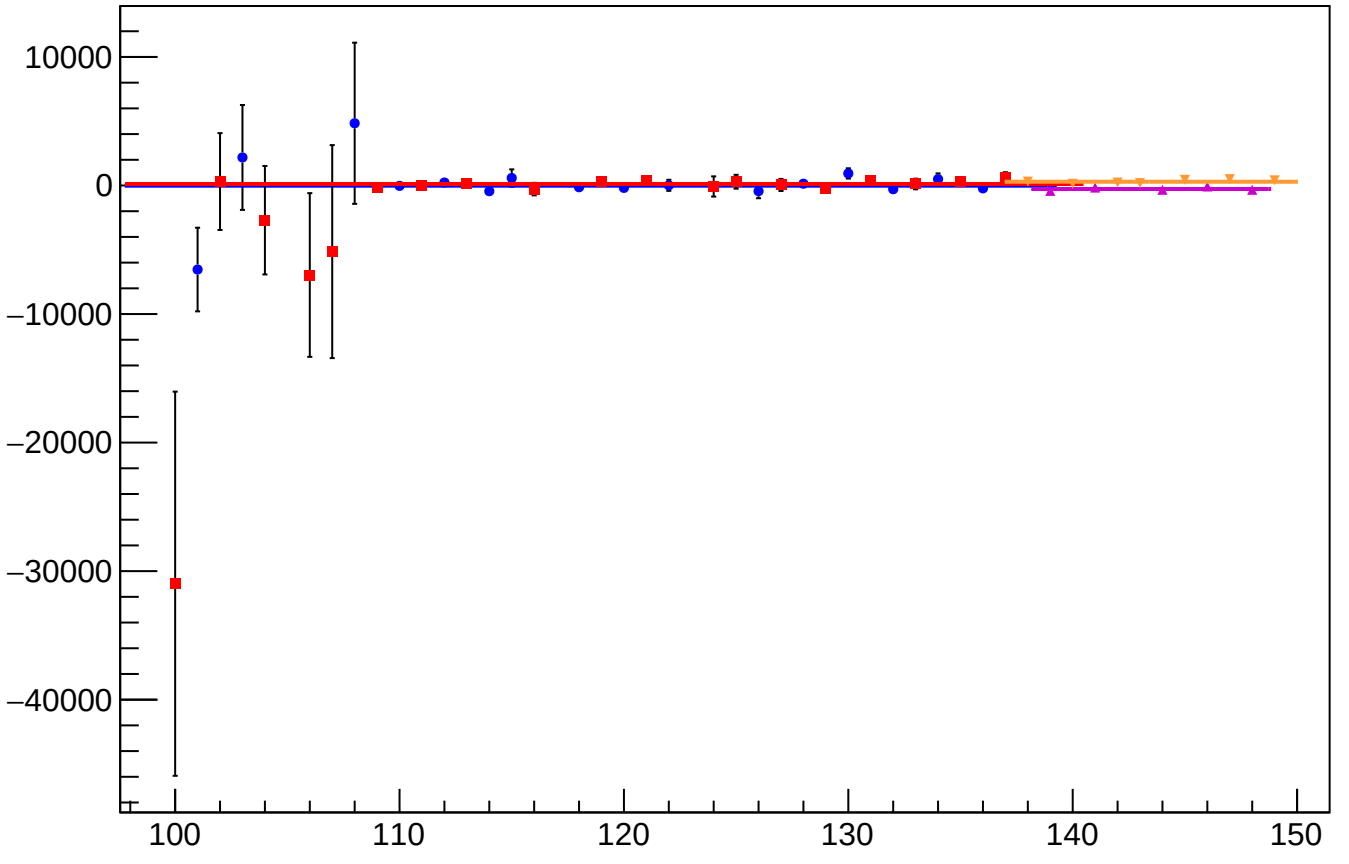
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.907+/-0.010 χ^2/NDF:23526.4/4

+ sign 28.514+/-0.006 χ^2/NDF: 3311722.9/22

All: 28.321+/-0.004 χ^2/NDF: 6903924.8/46

- 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: 292.663+/-108.851 χ^2/NDF:1.3/6

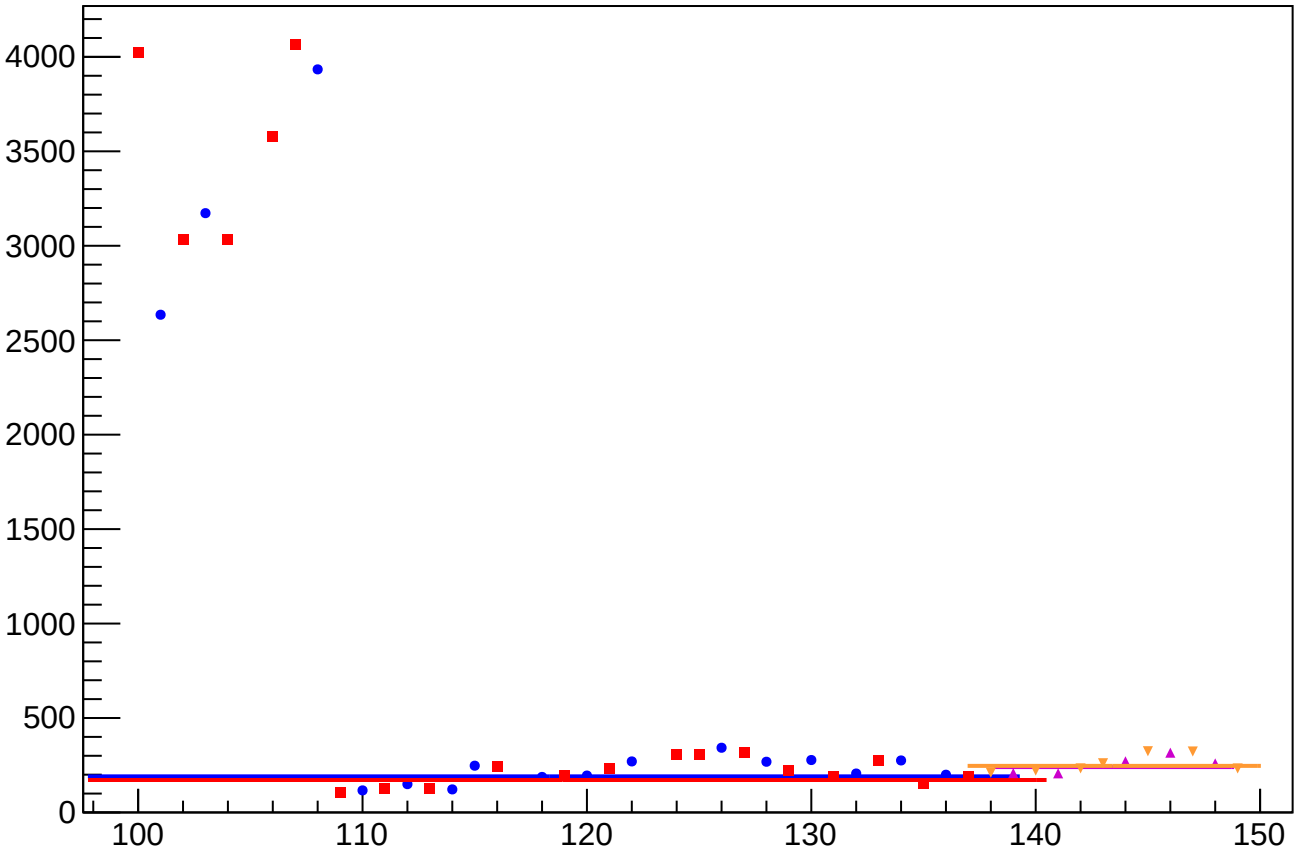
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -272.720+/-117.785 χ^2/NDF:1.1/4

+ sign 101.759+/-66.726 χ^2/NDF: 24.5/22

All: 49.112+/-46.543 χ^2/NDF: 48.9/46

- 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: 246.599+/-0.077 χ^2/NDF:262345.8/6

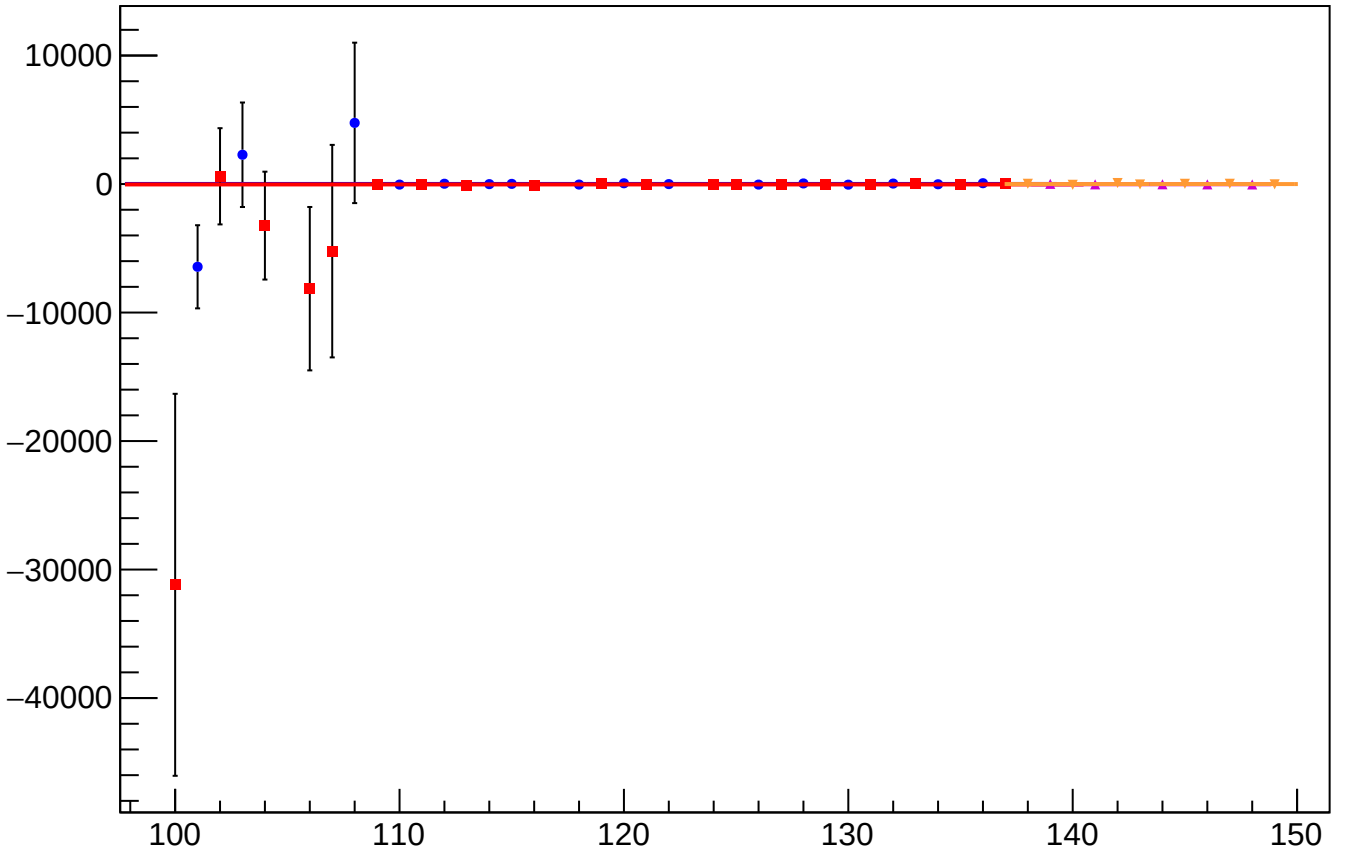
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 240.268+/-0.083 χ^2/NDF:217524.3/4

+ sign 211.936+/-0.047 χ^2/NDF: 4421202.6/22

All: 202.031+/-0.033 χ^2/NDF: 9509088.3/46

- 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: -2.719+/-12.927 χ^2/NDF:9.0/6

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

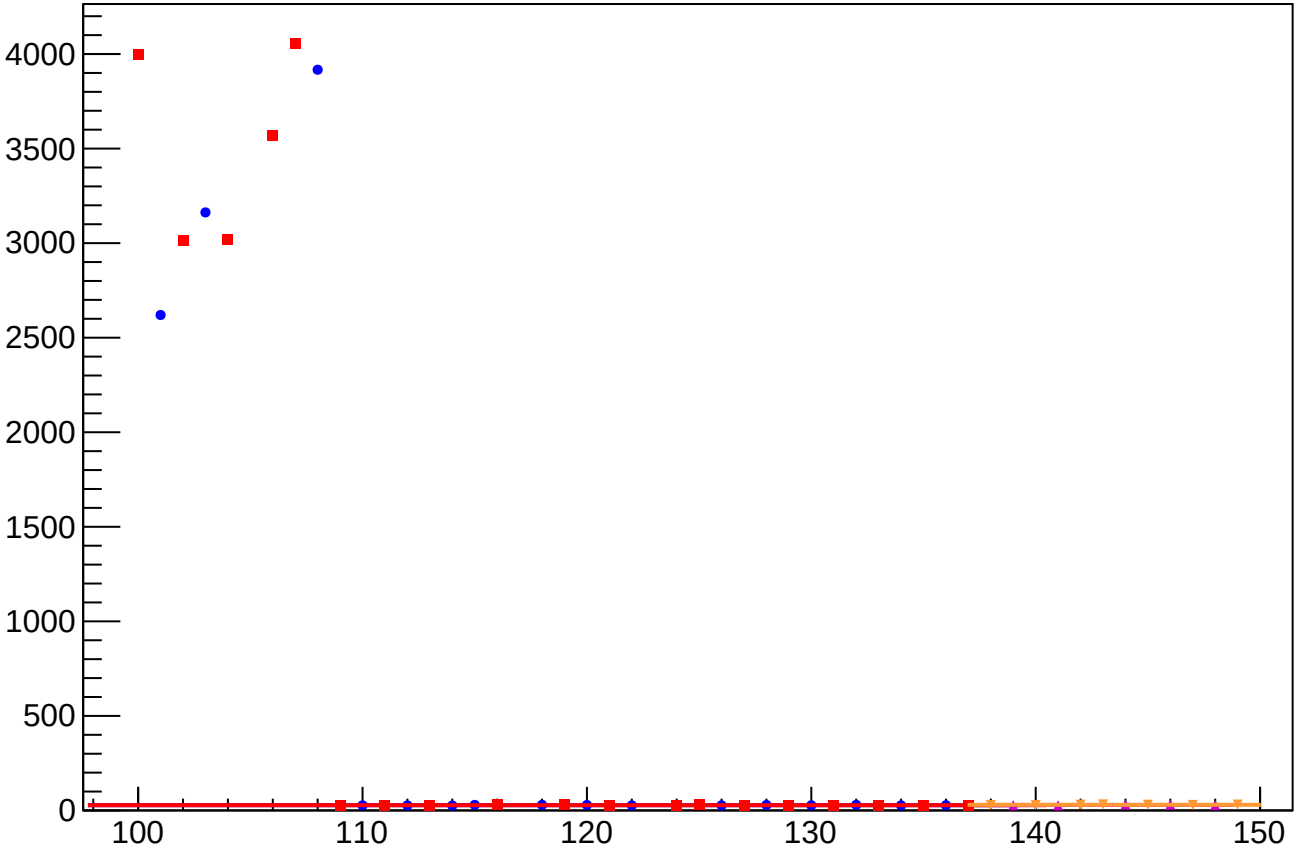
Left In: -16.107+/-13.950 χ^2/NDF:1.4/4

+ sign 2.318+/-8.701 χ^2/NDF: 27.6/22

All: -10.655+/-6.273 χ^2/NDF: 54.2/46

- 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: 29.773+/-0.009 χ^2/NDF:22212.7/6

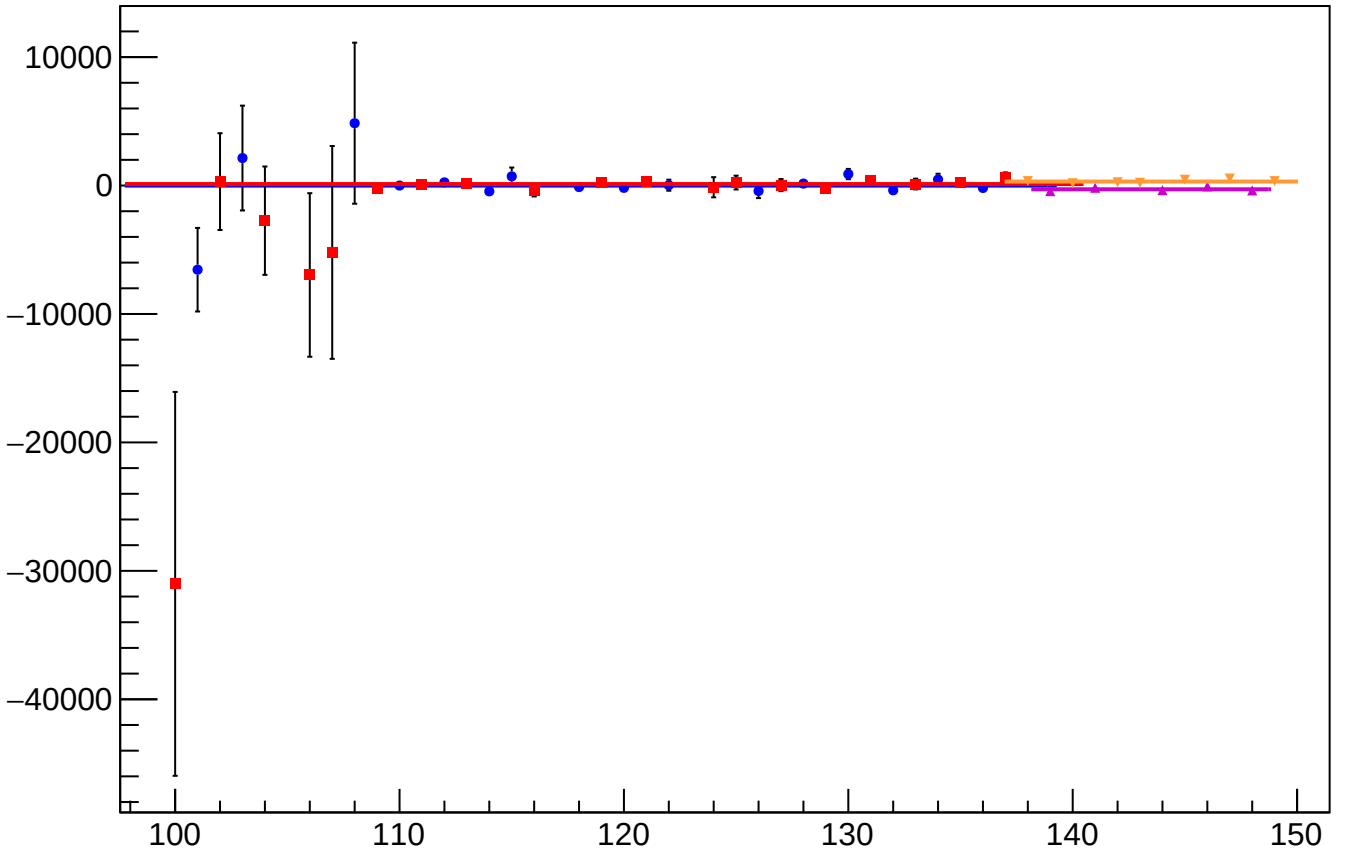
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.080+/-0.010 χ^2/NDF:25719.1/4

+ sign 28.707+/-0.006 χ^2/NDF: 3312957.7/22

All: 28.518+/-0.004 χ^2/NDF: 6909794.4/46

- 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: 310.306+/-110.168 χ^2/NDF:1.0/6

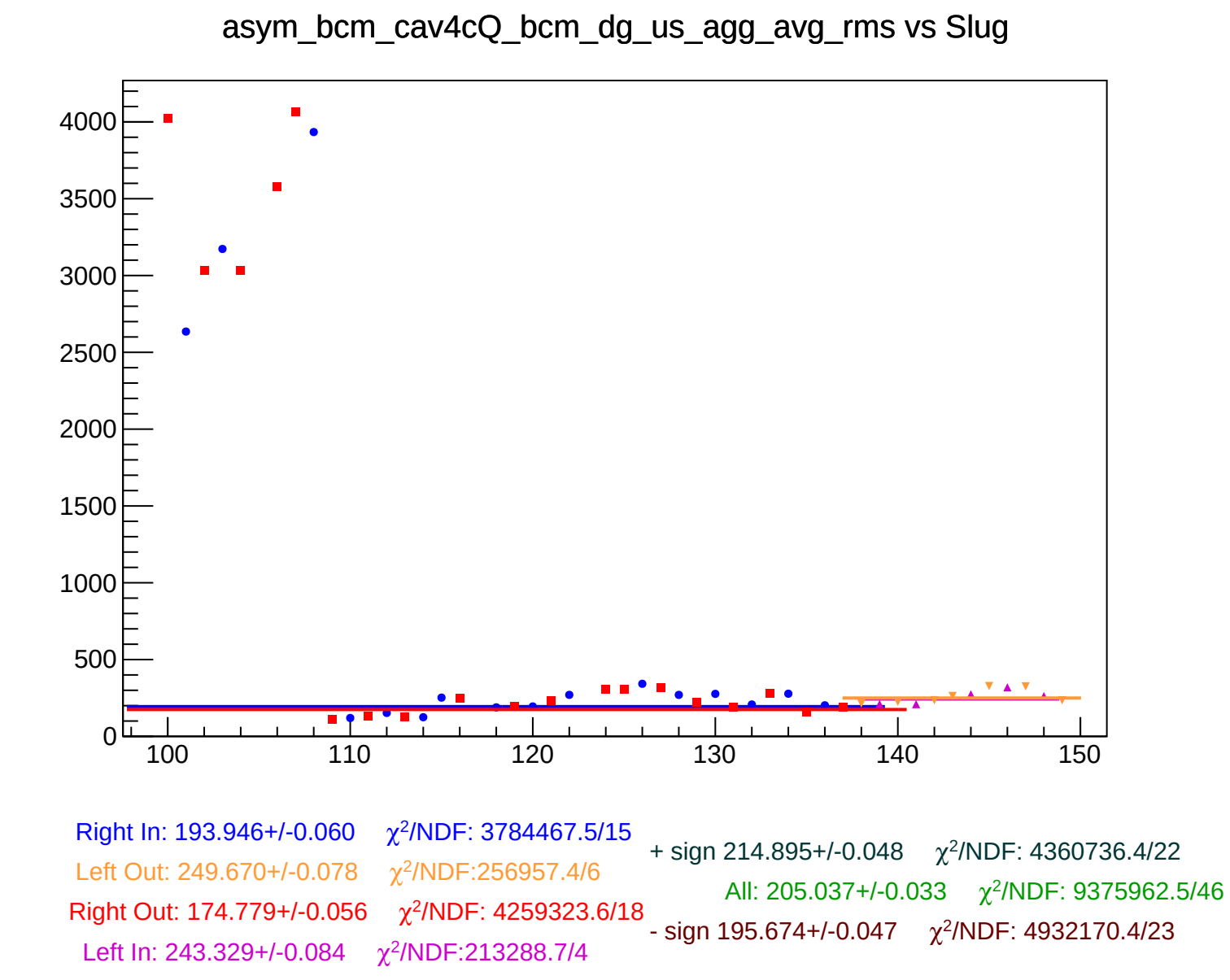
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

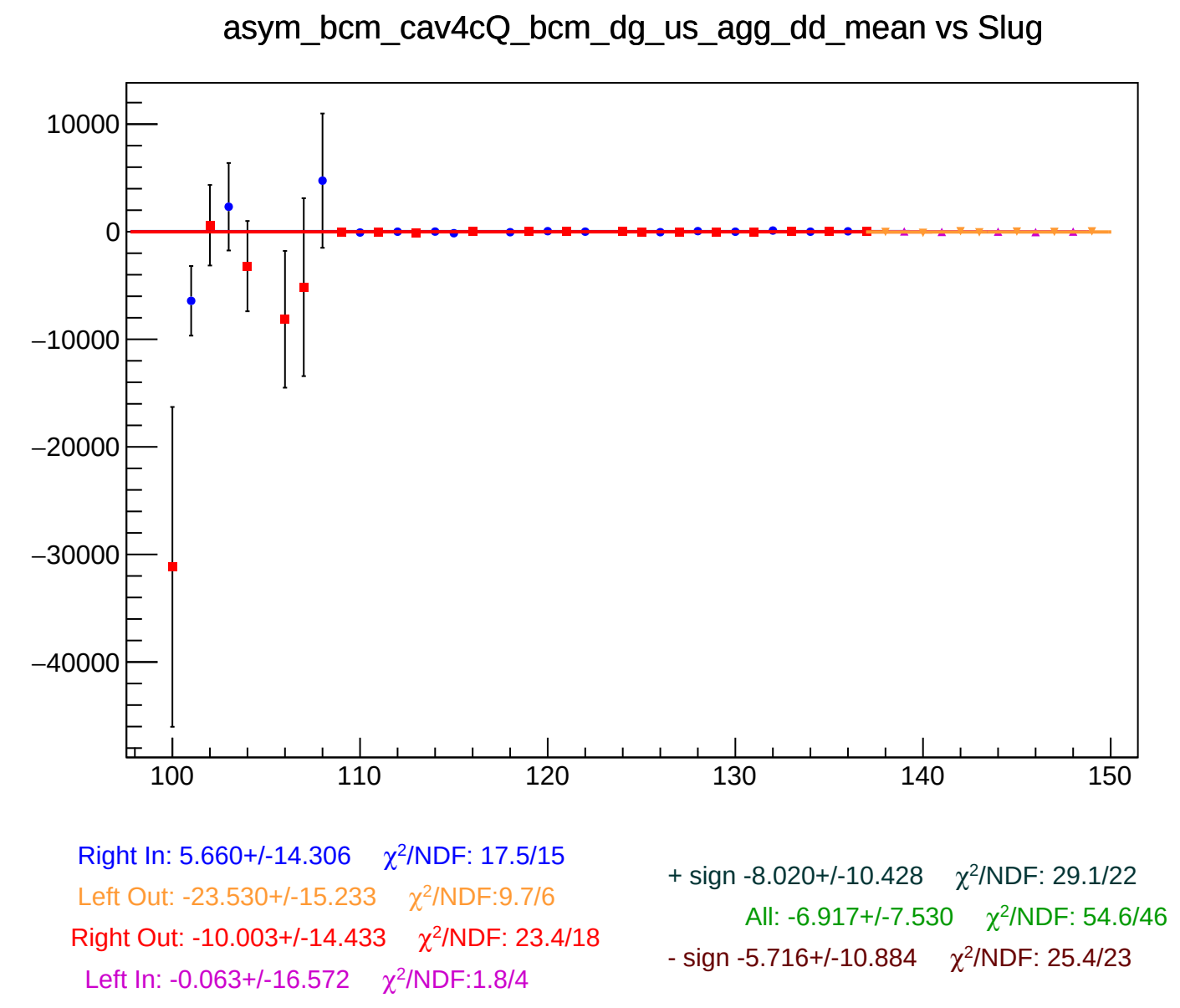
Left In: -291.270+/-119.233 χ^2/NDF:1.2/4

+ sign 114.913+/-67.549 χ^2/NDF: 24.3/22

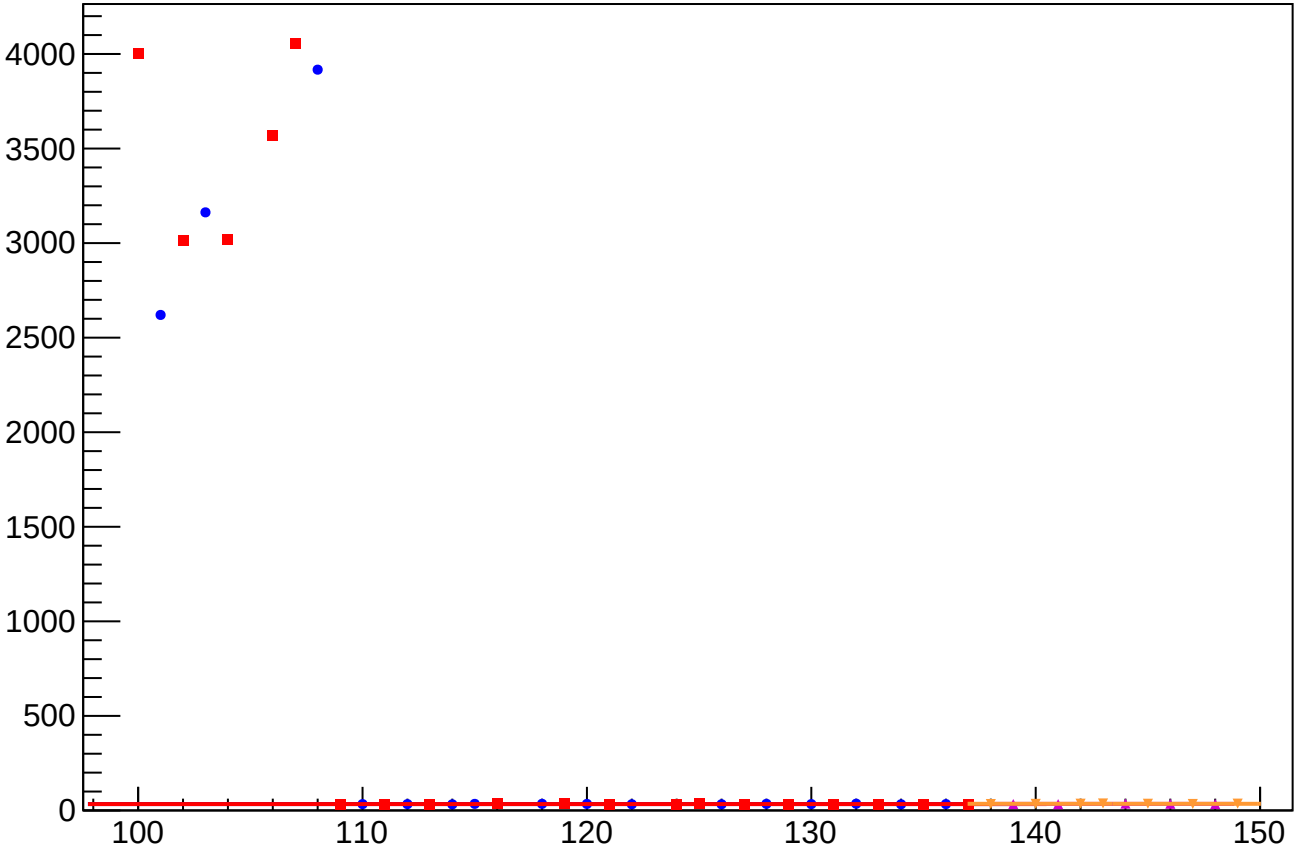
All: 51.711+/-47.144 χ^2/NDF: 49.1/46

- sign -8.314+/-65.829 χ^2/NDF: 23.1/23


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
Right In: 193.946+/-0.060 χ²/NDF: 3784467.5/15
Left Out: 249.670+/-0.078 χ²/NDF:256957.4/6
Right Out: 174.779+/-0.056 χ²/NDF: 4259323.6/18
Left In: 243.329+/-0.084 χ²/NDF:213288.7/4
+ sign 214.895+/-0.048 χ²/NDF: 4360736.4/22
All: 205.037+/-0.033 χ²/NDF: 9375962.5/46
- sign 195.674+/-0.047 χ²/NDF: 4932170.4/23


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: 5.660+/-14.306 χ²/NDF: 17.5/15
Left Out: -23.530+/-15.233 χ²/NDF:9.7/6
Right Out: -10.003+/-14.433 χ²/NDF: 23.4/18
Left In: -0.063+/-16.572 χ²/NDF:1.8/4
+ sign -8.020+/-10.428 χ²/NDF: 29.1/22
All: -6.917+/-7.530 χ²/NDF: 54.6/46
- sign -5.716+/-10.884 χ²/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: 35.161+/-0.011 χ^2/NDF:8334.0/6

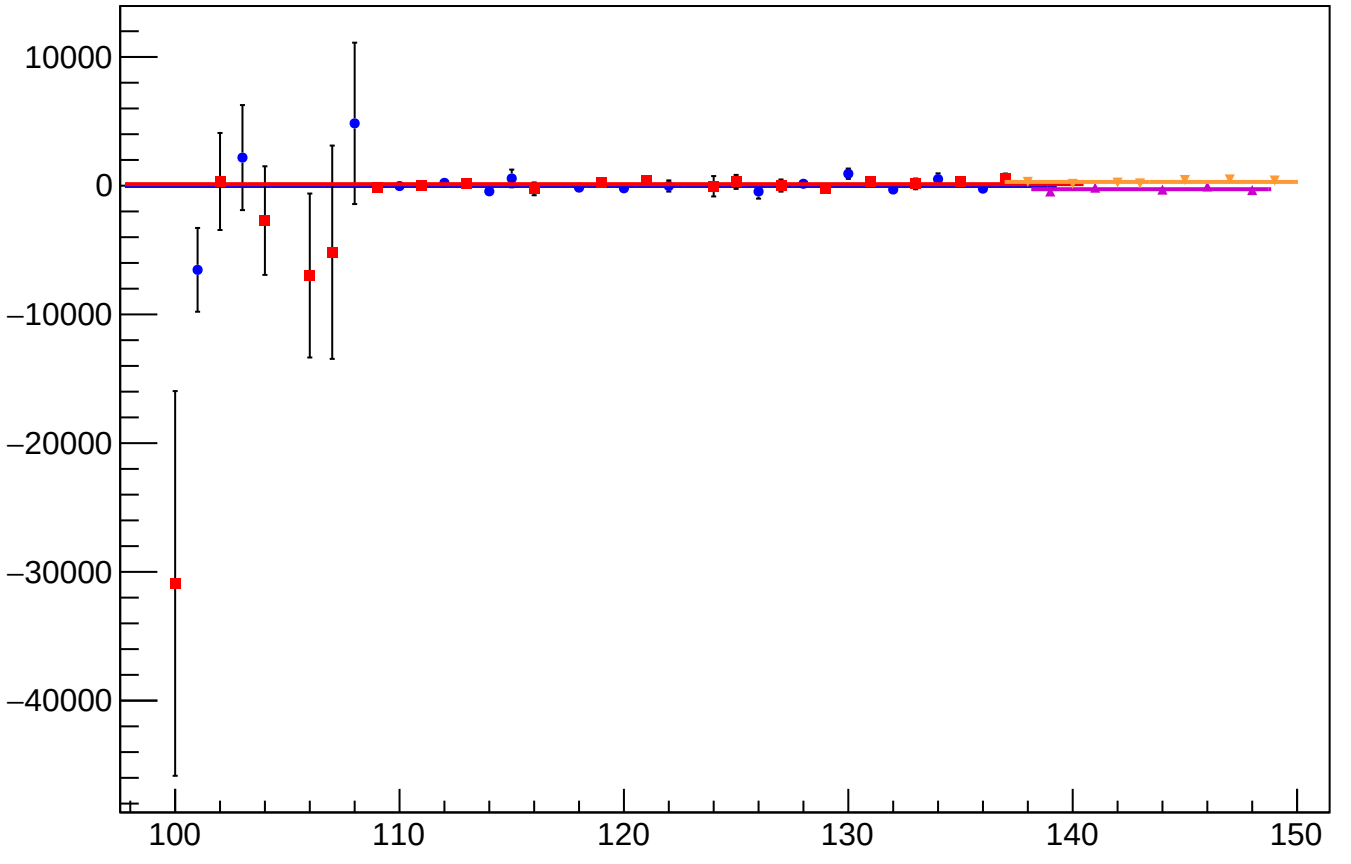
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.609+/-0.012 χ^2/NDF:7497.8/4

+ sign 34.491+/-0.007 χ^2/NDF: 3260002.9/22

All: 34.307+/-0.005 χ^2/NDF: 6798487.5/46

- 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: 292.961+/-109.331 χ^2/NDF:1.2/6

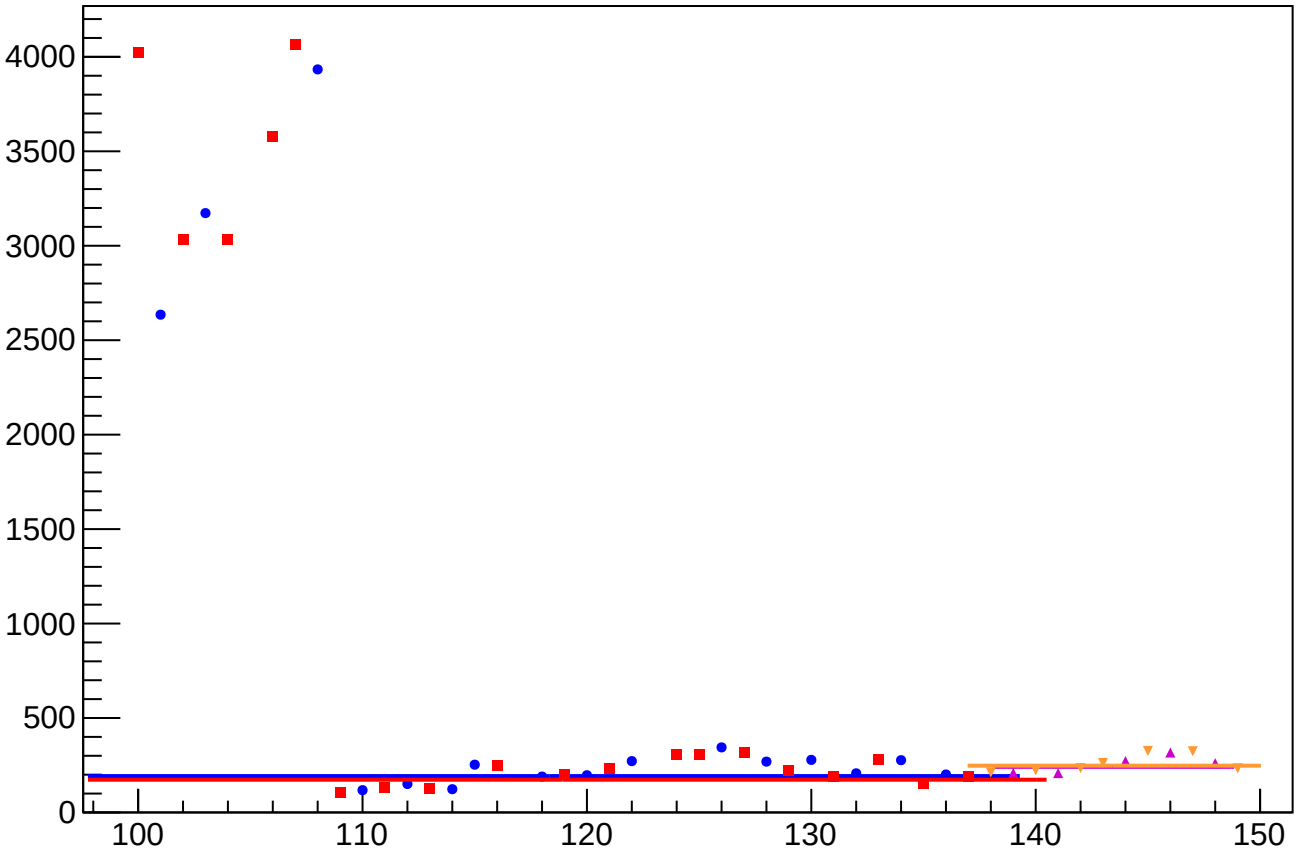
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -272.689+/-118.366 χ^2/NDF:1.3/4

+ sign 98.307+/-67.136 χ^2/NDF: 24.4/22

All: 47.906+/-46.845 χ^2/NDF: 47.8/46

- 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: 247.700+/-0.077 χ^2/NDF:261633.0/6

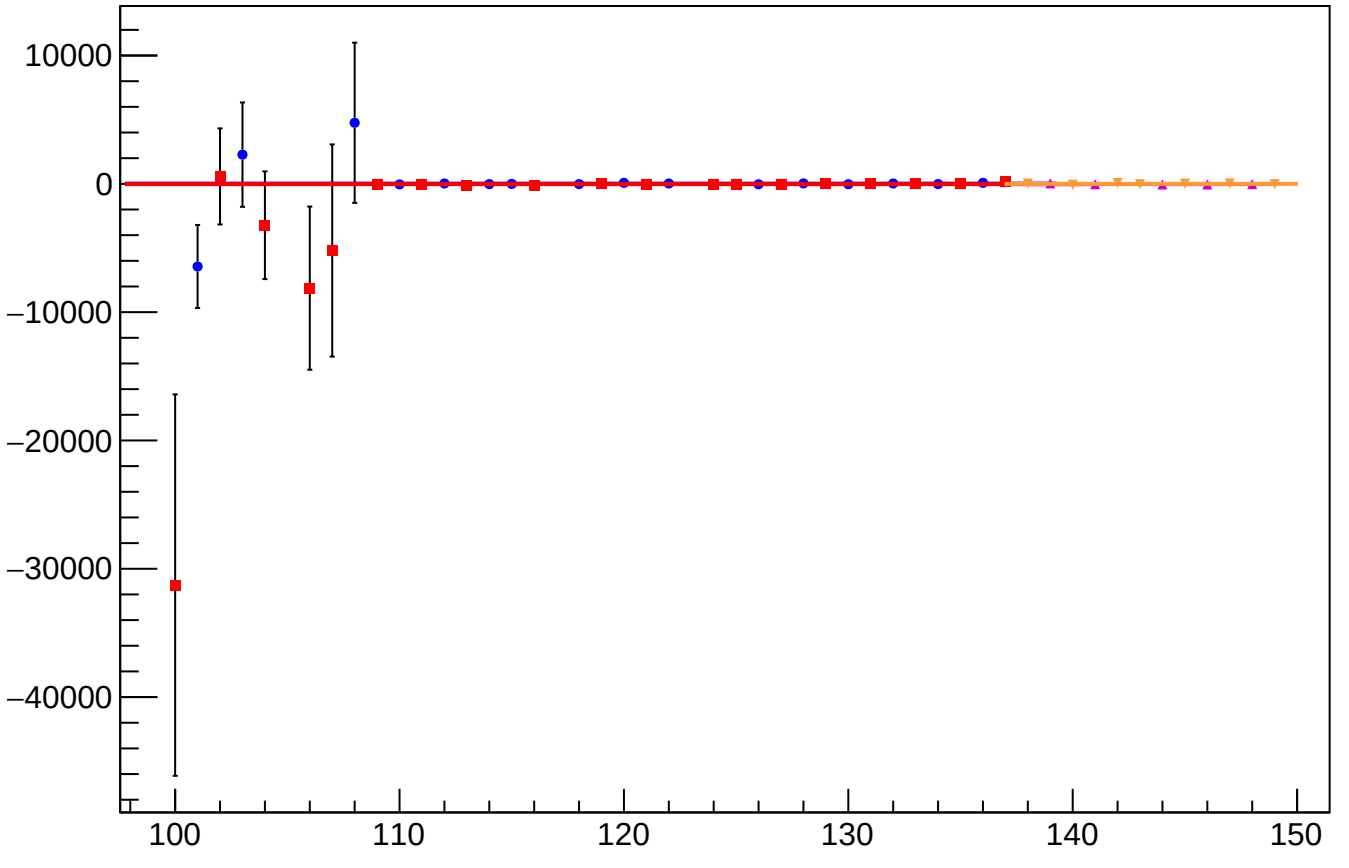
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 241.506+/-0.084 χ^2/NDF:214621.4/4

+ sign 213.352+/-0.047 χ^2/NDF: 4401307.9/22

All: 203.464+/-0.033 χ^2/NDF: 9469963.0/46

- 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: -3.630+/-14.043 χ^2/NDF:7.8/6

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

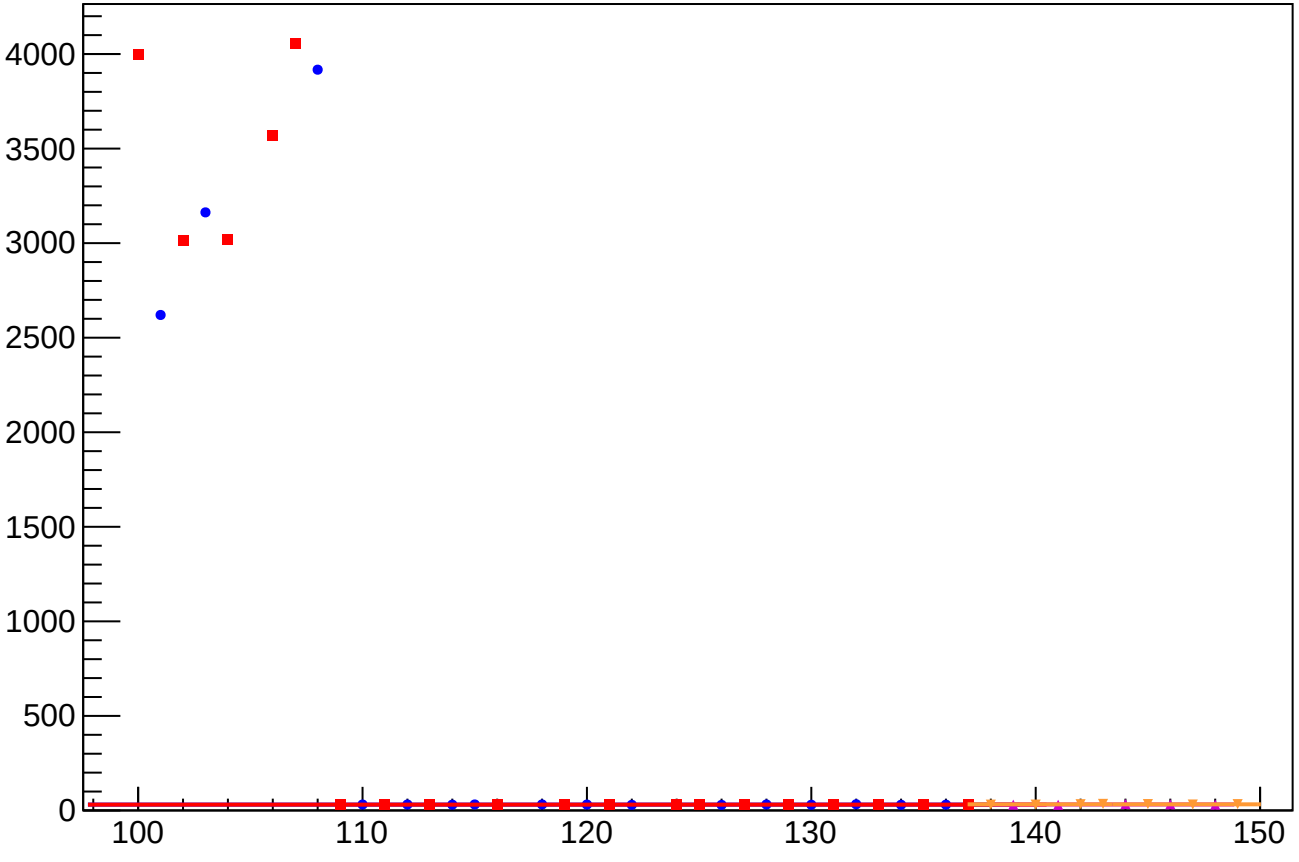
Left In: -18.669+/-15.161 χ^2/NDF:4.3/4

+ sign 5.669+/-9.564 χ^2/NDF: 24.1/22

All: -7.271+/-6.894 χ^2/NDF: 60.9/46

- 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: 32.370+/-0.010 χ^2/NDF:20961.2/6

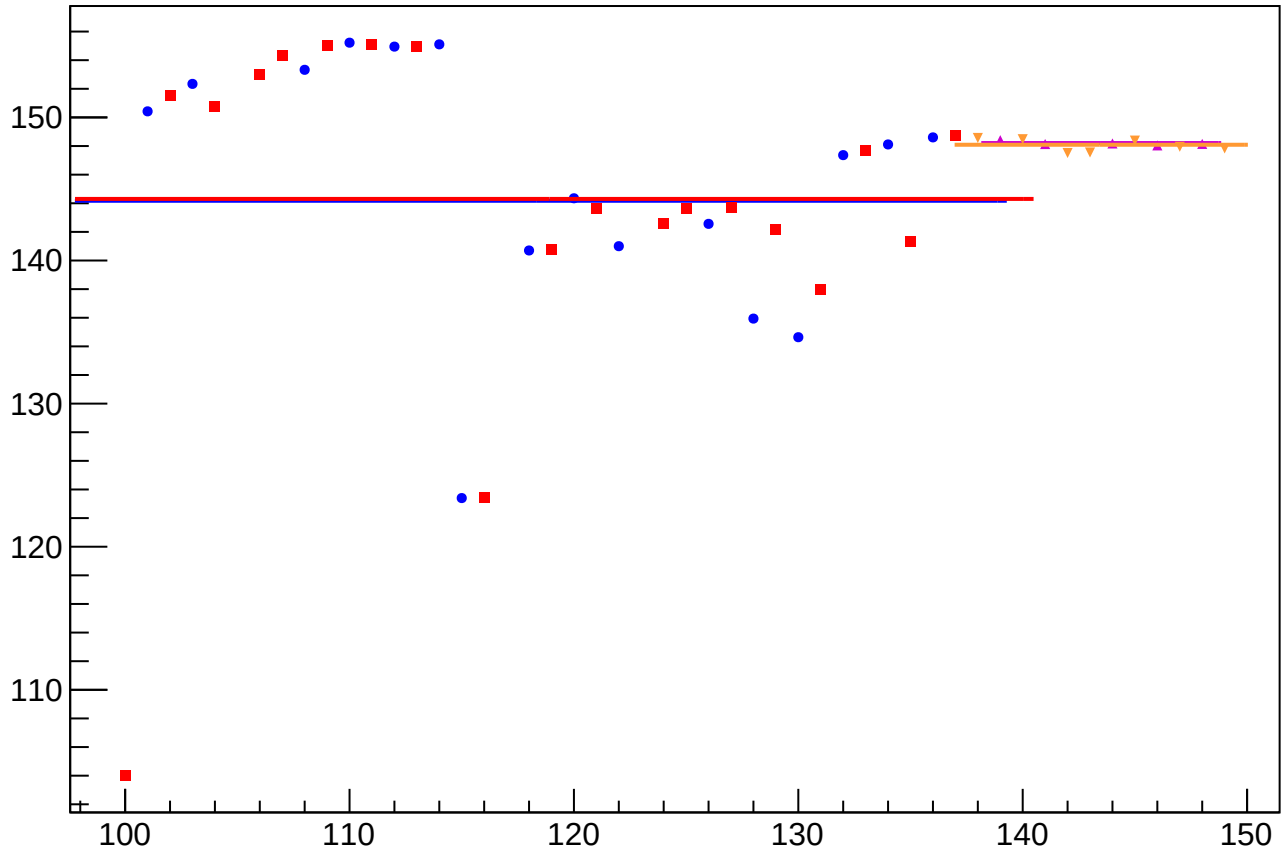
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.634+/-0.011 χ^2/NDF:18538.4/4

\+ sign 31.597+/-0.007 χ^2/NDF: 3284874.9/22

All: 31.380+/-0.005 χ^2/NDF: 6845429.2/46

\- 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: 148.090+/-0.000 χ^2/NDF:8331348.1/6

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

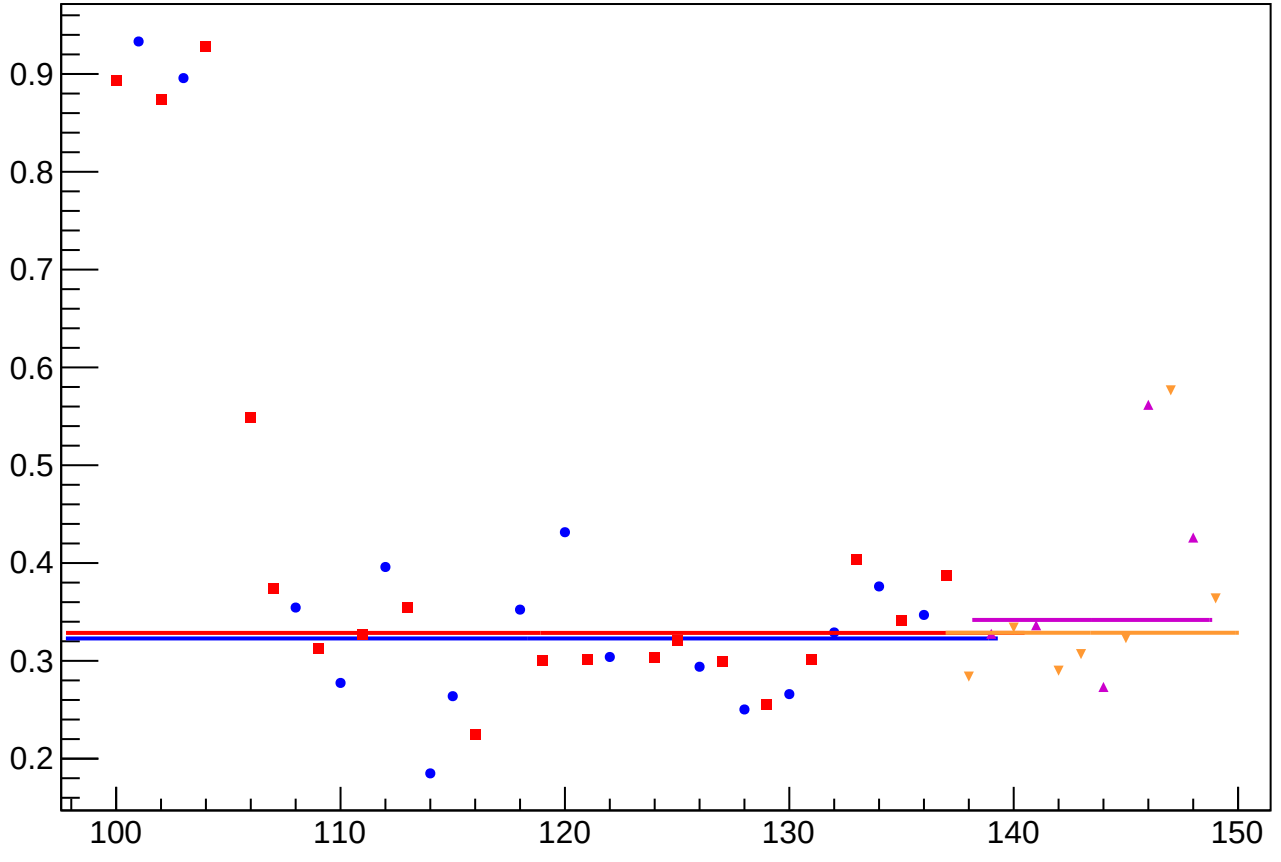
Left In: 148.209+/-0.000 χ^2/NDF:440457.7/4

+ sign 145.914+/-0.000 χ^2/NDF: 4121128194.6/22

All: 145.842+/-0.000 χ^2/NDF: 8708167807.9

- 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: 0.329+/-0.000 χ^2/NDF:361016.1/6

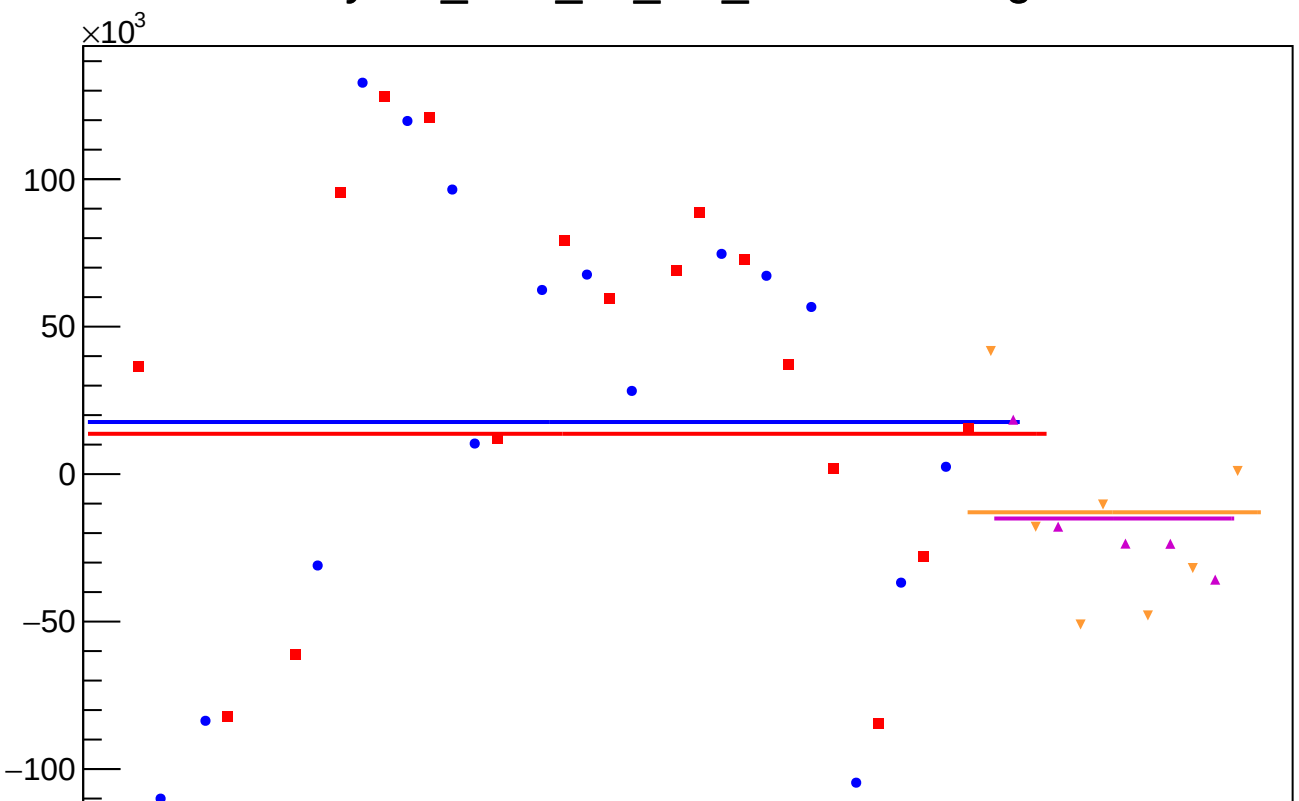
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.342+/-0.000 χ^2/NDF:430636.3/4

+ sign 0.325+/-0.000 χ^2/NDF: 1758763.7/22

All: 0.329+/-0.000 χ^2/NDF: 3507164.9/46

- 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: -12940.563+/-2.241 χ^2/NDF:184536672.8/6

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

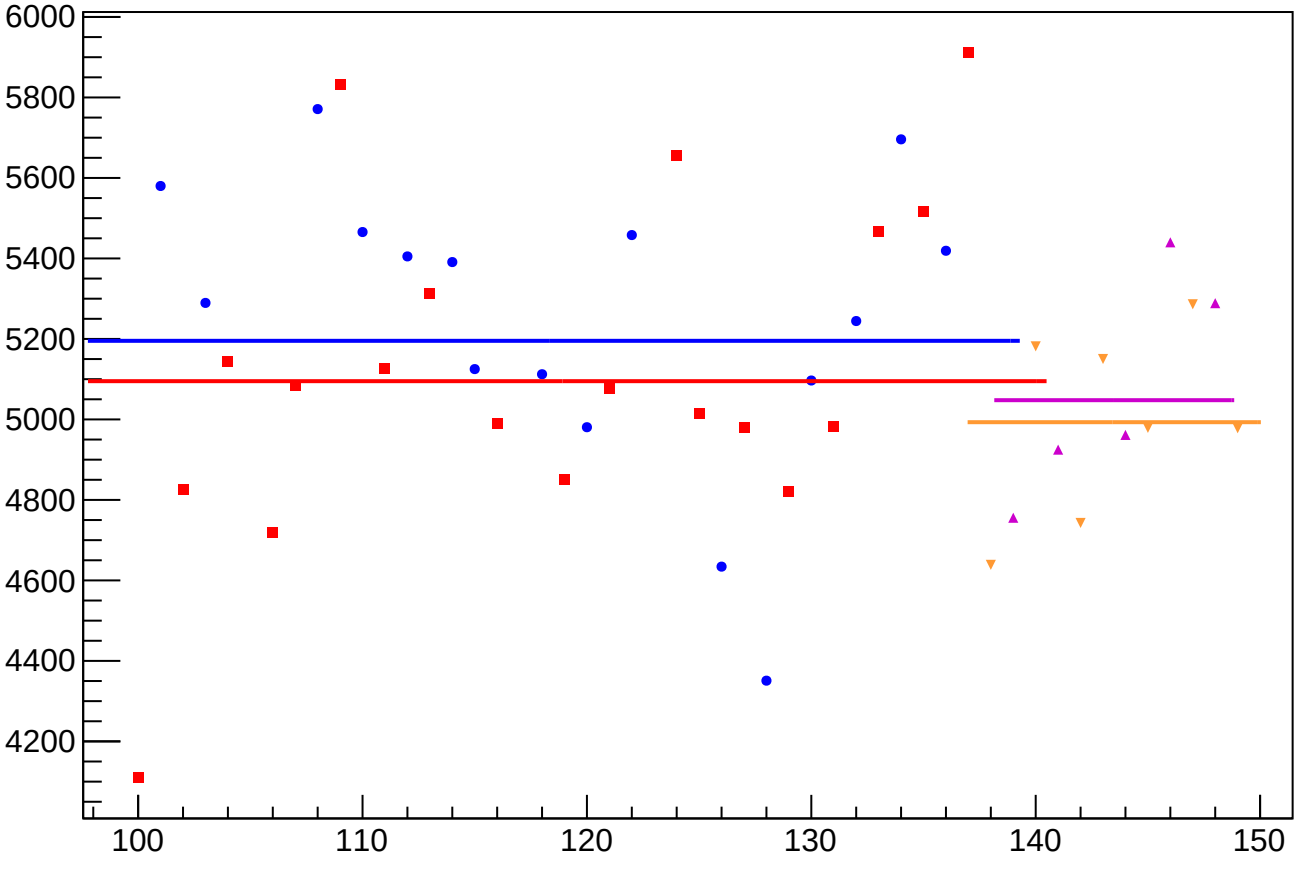
Left In: -15054.403+/-2.523 χ^2/NDF:56421506.2/4

+ sign 4053.515+/-1.494 χ^2/NDF: 1686835797.5/22

All: 3588.410+/-1.069 χ^2/NDF: 3682315621.

- 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: 4993.122+/-1.585 χ^2/NDF:19209.7/6

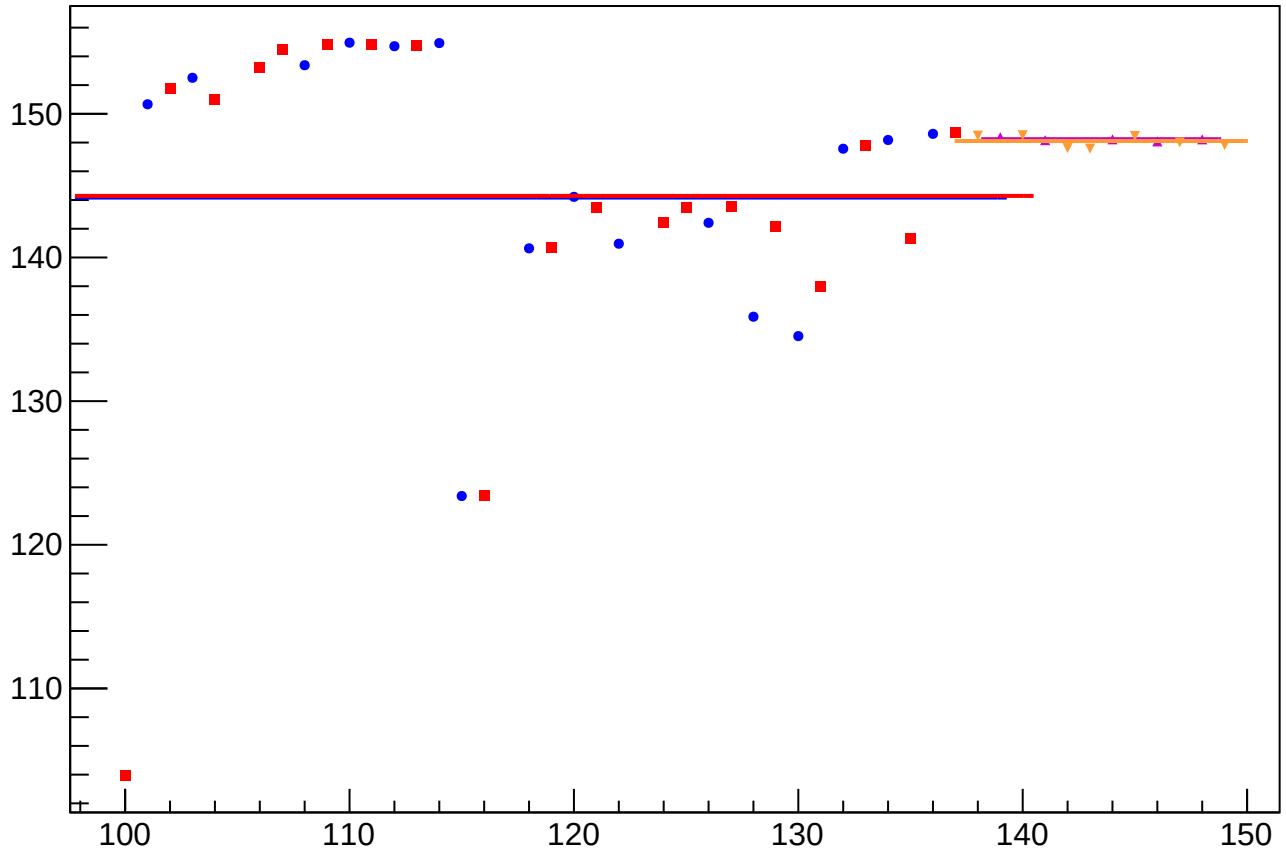
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 5047.796+/-1.784 χ^2/NDF:19091.3/4

+ sign 5105.387+/-1.057 χ^2/NDF: 105414.6/22

All: 5091.855+/-0.756 χ^2/NDF: 184397.1/46

- 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: 148.109+/-0.000 χ^2/NDF:7482375.8/6

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

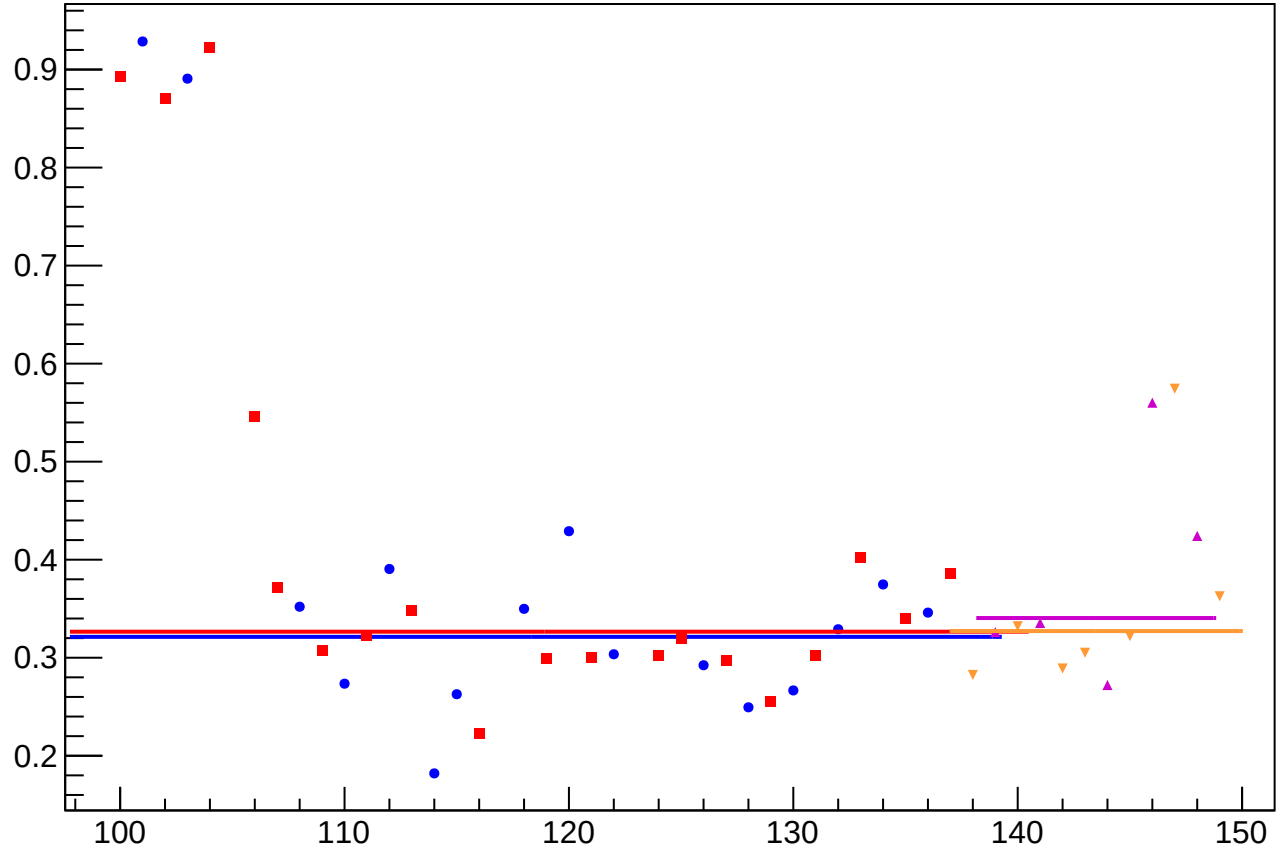
Left In: 148.236+/-0.000 χ^2/NDF:253555.0/4

+ sign 145.919+/-0.000 χ^2/NDF: 4168781467.6/22

All: 145.842+/-0.000 χ^2/NDF: 8792043685.9

- 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: 0.327+/-0.000 χ^2/NDF:362291.5/6

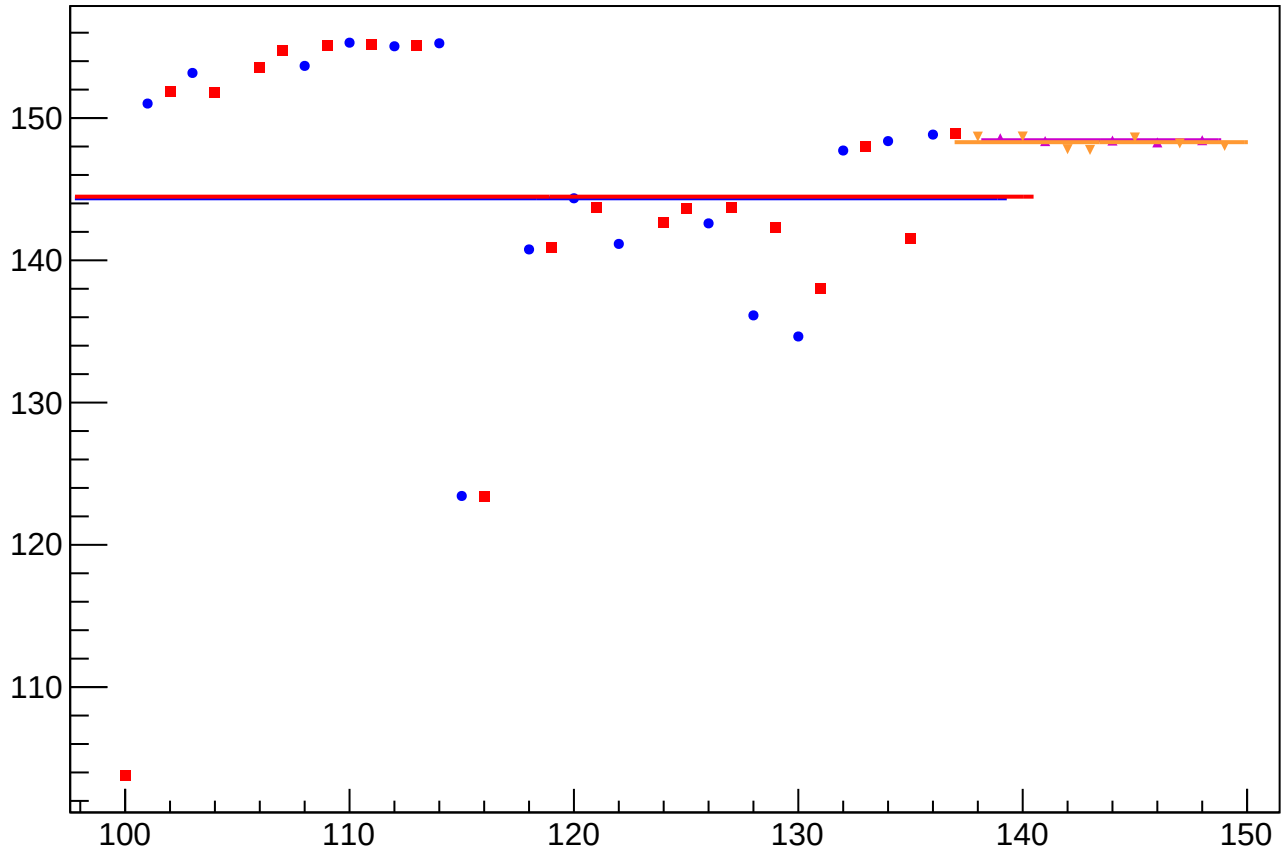
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.340+/-0.000 χ^2/NDF:431586.9/4

+ sign 0.324+/-0.000 χ^2/NDF: 1760326.2/22

All: 0.328+/-0.000 χ^2/NDF: 3508840.0/46

- 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: 148.305+/-0.000 χ^2/NDF:7415384.4/6

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

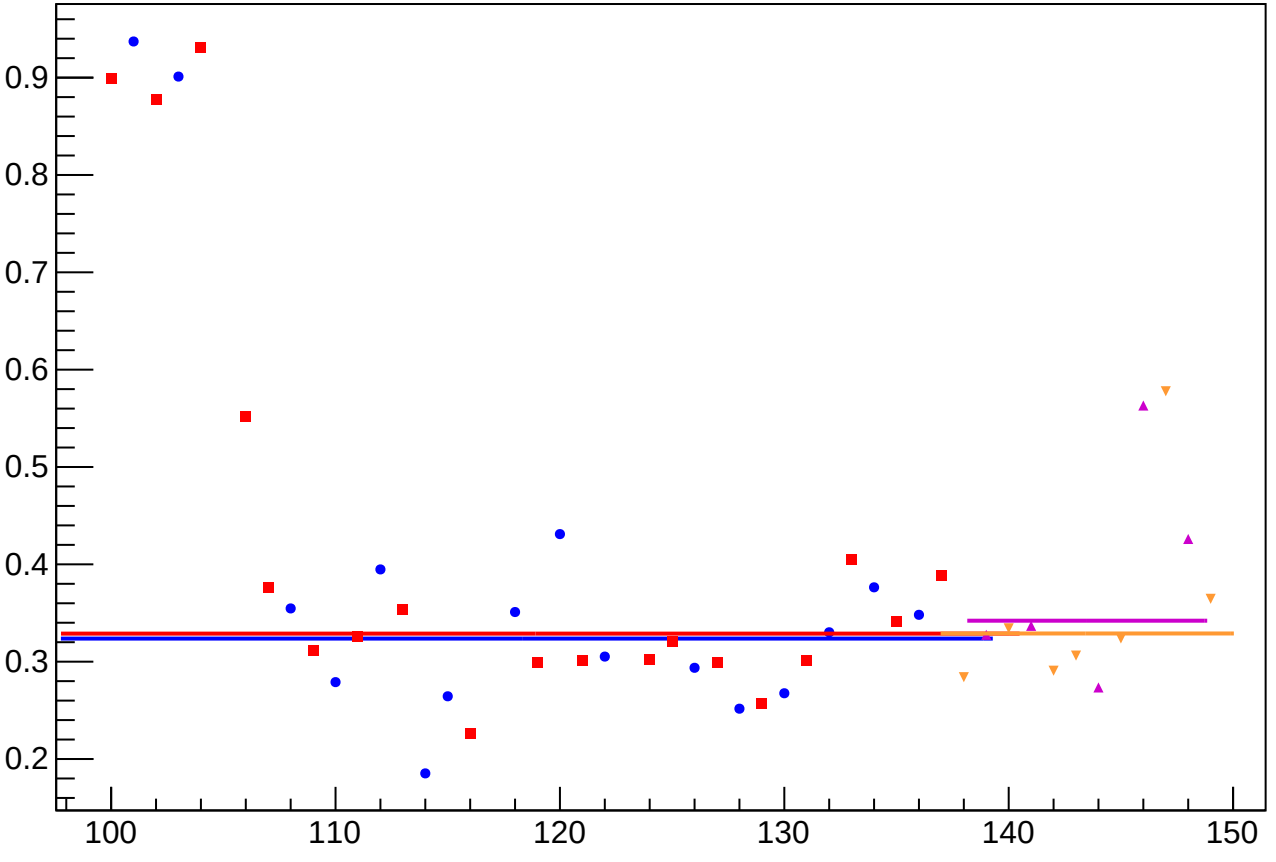
Left In: 148.441+/-0.000 χ^2/NDF:239251.9/4

+ sign 146.115+/-0.000 χ^2/NDF: 4158989987.8/22

All: 146.039+/-0.000 χ^2/NDF: 8773057656.5

- 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: 0.329+/-0.000 χ^2/NDF:362677.1/6

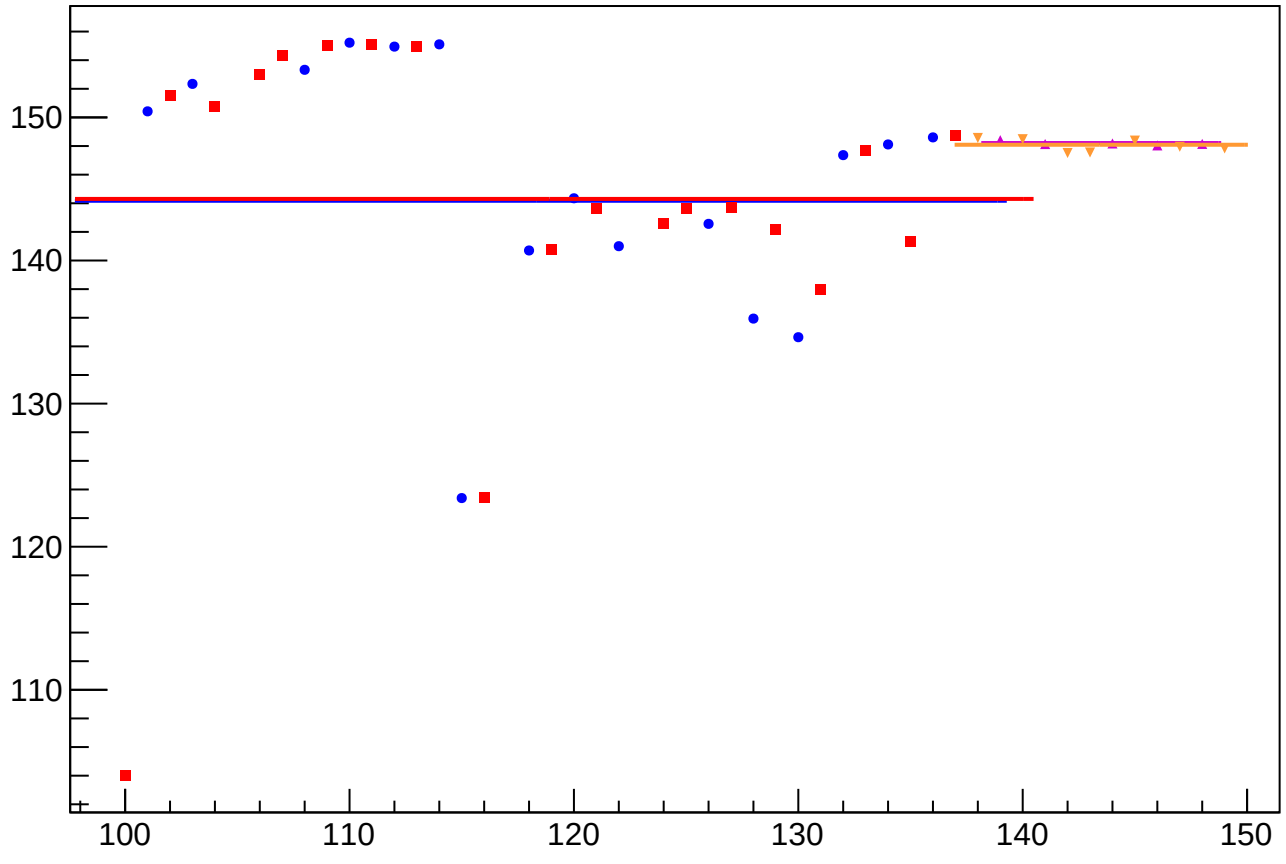
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.342+/-0.000 χ^2/NDF:431453.6/4

+ sign 0.326+/-0.000 χ^2/NDF: 1756447.6/22

All: 0.330+/-0.000 χ^2/NDF: 3504221.7/46

- 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: 148.090+/-0.000 χ^2/NDF:8331348.1/6

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

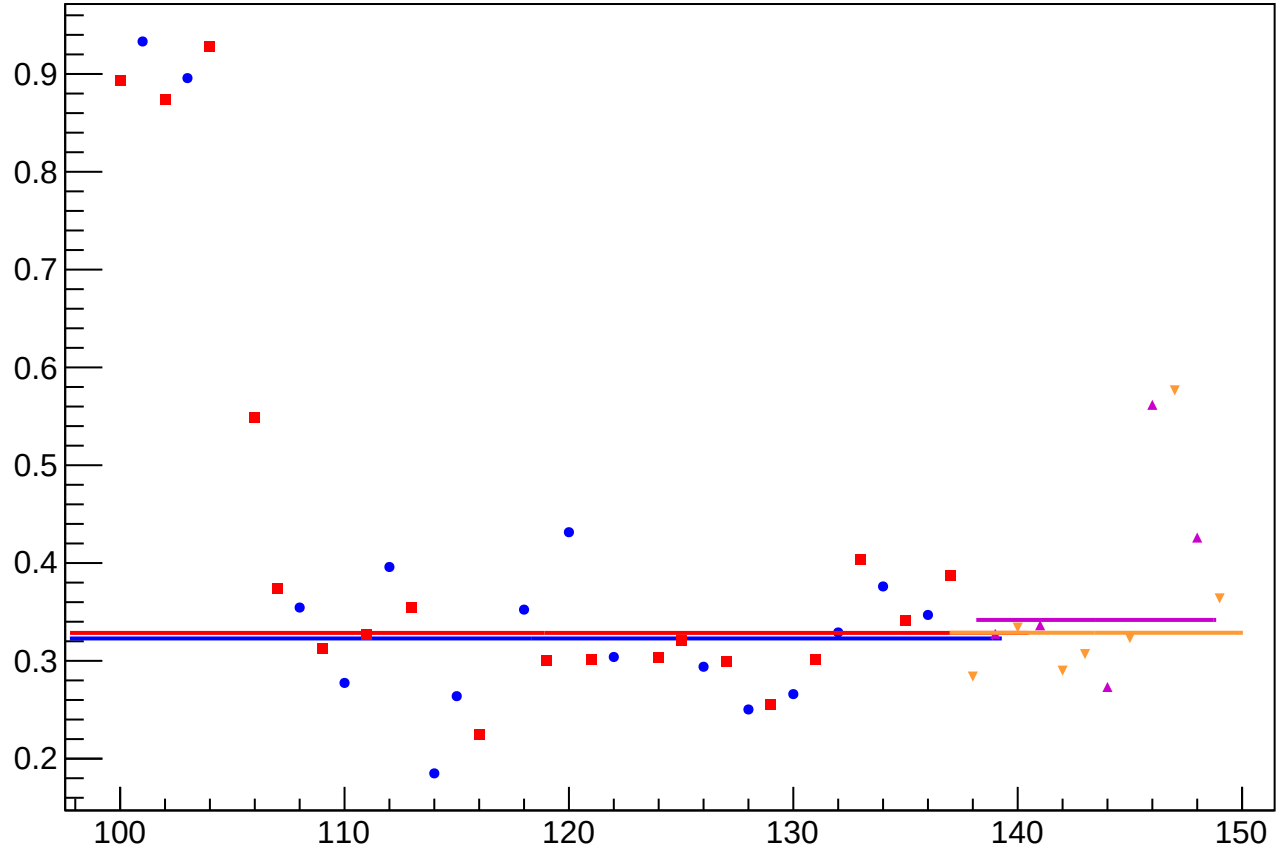
Left In: 148.209+/-0.000 χ^2/NDF:440457.7/4

+ sign 145.914+/-0.000 χ^2/NDF: 4121128194.6/22

All: 145.842+/-0.000 χ^2/NDF: 8708167807.9

- sign 145.760+/-0.000 χ^2/NDF: 4585914495.6/23

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.329+/-0.000 χ^2/NDF:361016.1/6

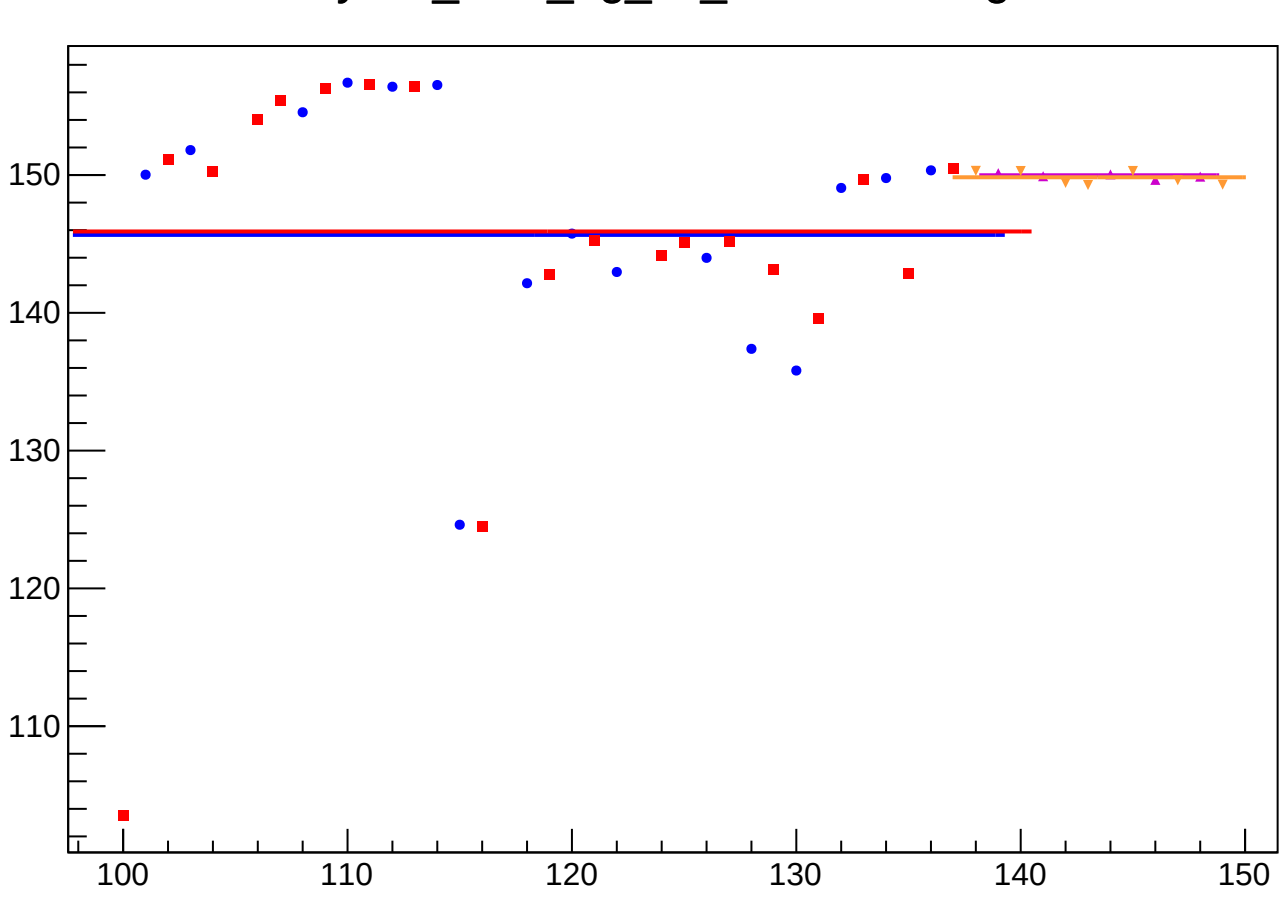
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.342+/-0.000 χ^2/NDF:430636.3/4

+ sign 0.325+/-0.000 χ^2/NDF: 1758763.7/22

All: 0.329+/-0.000 χ^2/NDF: 3507164.9/46

- sign 0.334+/-0.000 χ^2/NDF: 1742202.6/23



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.838+/-0.000 χ^2/NDF:8942416.5/6

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

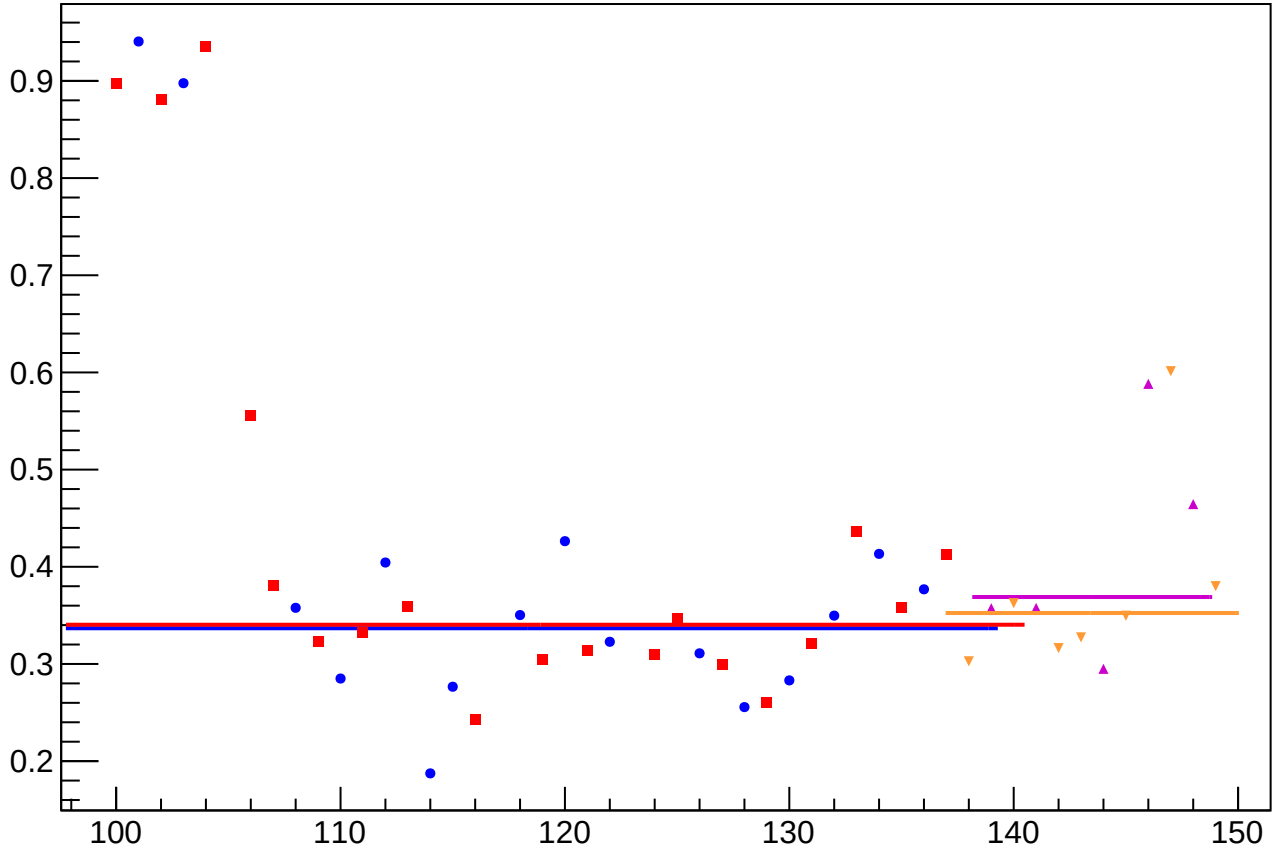
Left In: 149.984+/-0.000 χ^2/NDF:522380.3/4

+ sign 147.450+/-0.000 χ^2/NDF: 3883761574.2/22

All: 147.403+/-0.000 χ^2/NDF: 8057880927.2

- 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: 0.352+/-0.000 χ^2/NDF:332678.9/6

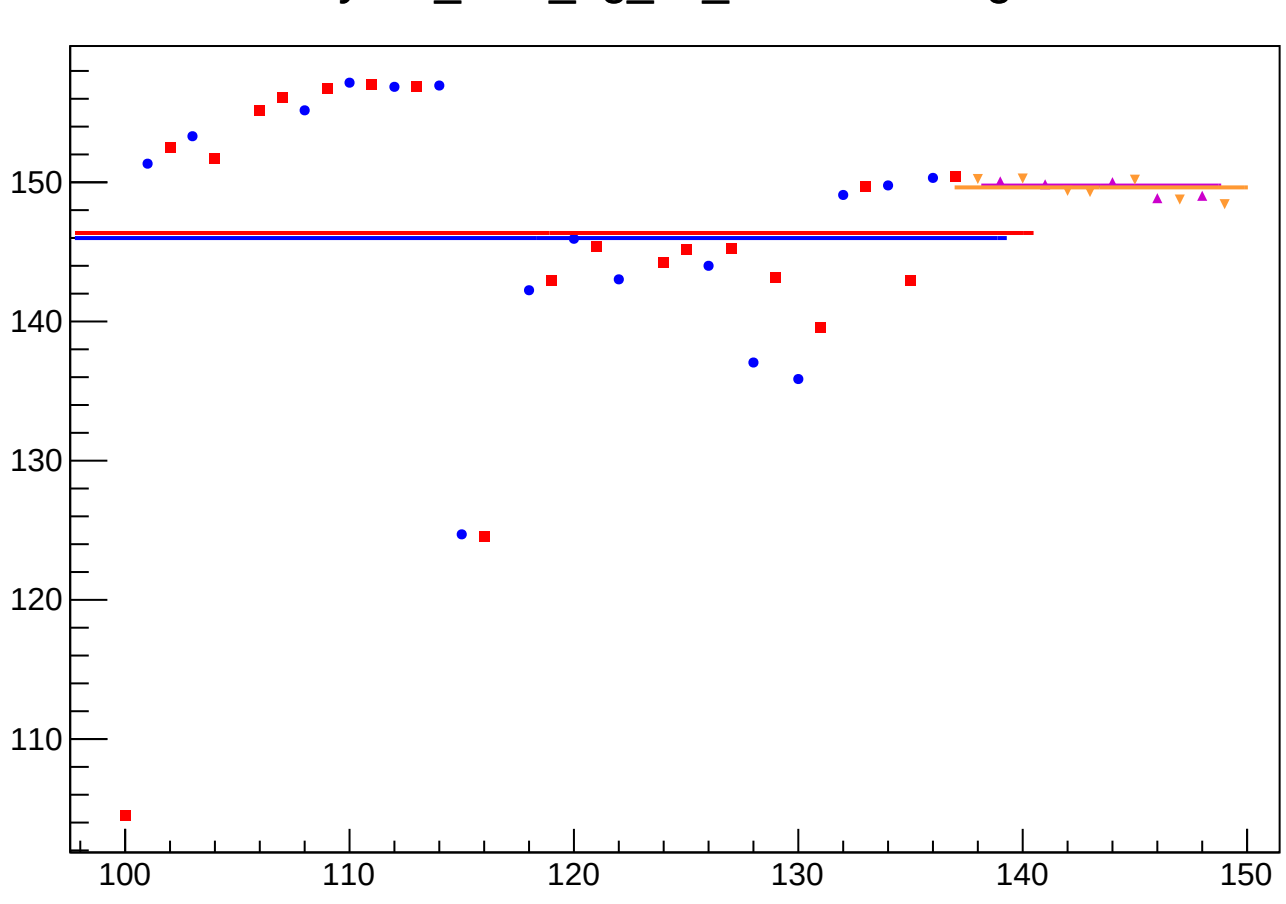
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.369+/-0.000 χ^2/NDF:410757.5/4

+ sign 0.343+/-0.000 χ^2/NDF: 1714270.9/22

All: 0.347+/-0.000 χ^2/NDF: 3434285.9/46

- 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: 149.633+/-0.000 χ^2/NDF:18306913.9/6

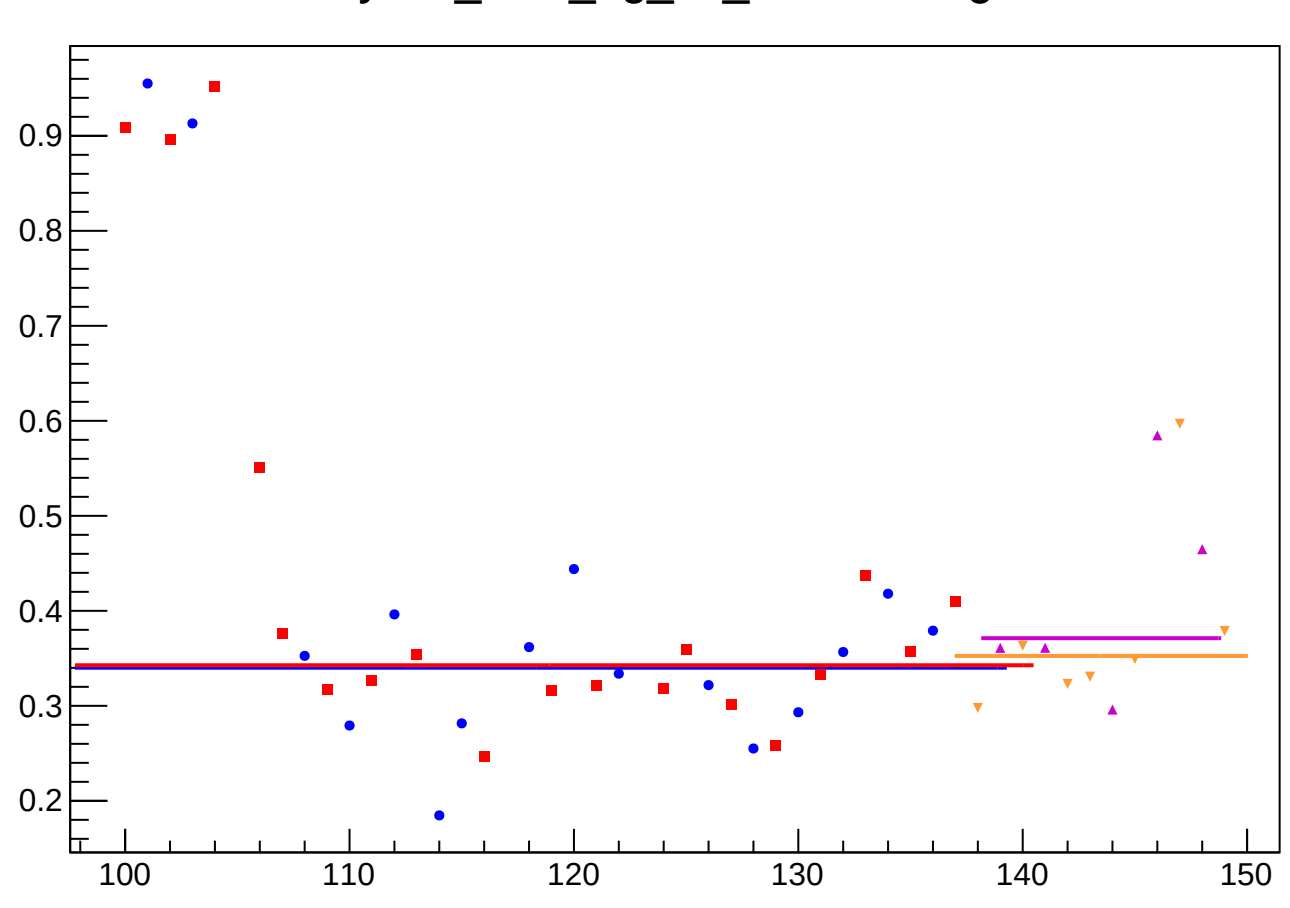
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 149.764+/-0.000 χ^2/NDF:5126976.7/4

+ sign 147.571+/-0.000 χ^2/NDF: 3934423367.0/22

All: 147.569+/-0.000 χ^2/NDF: 8115612584.6

- sign 147.567+/-0.000 χ^2/NDF: 4181188303.8/23



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.353+/-0.000 χ^2/NDF:329513.8/6

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

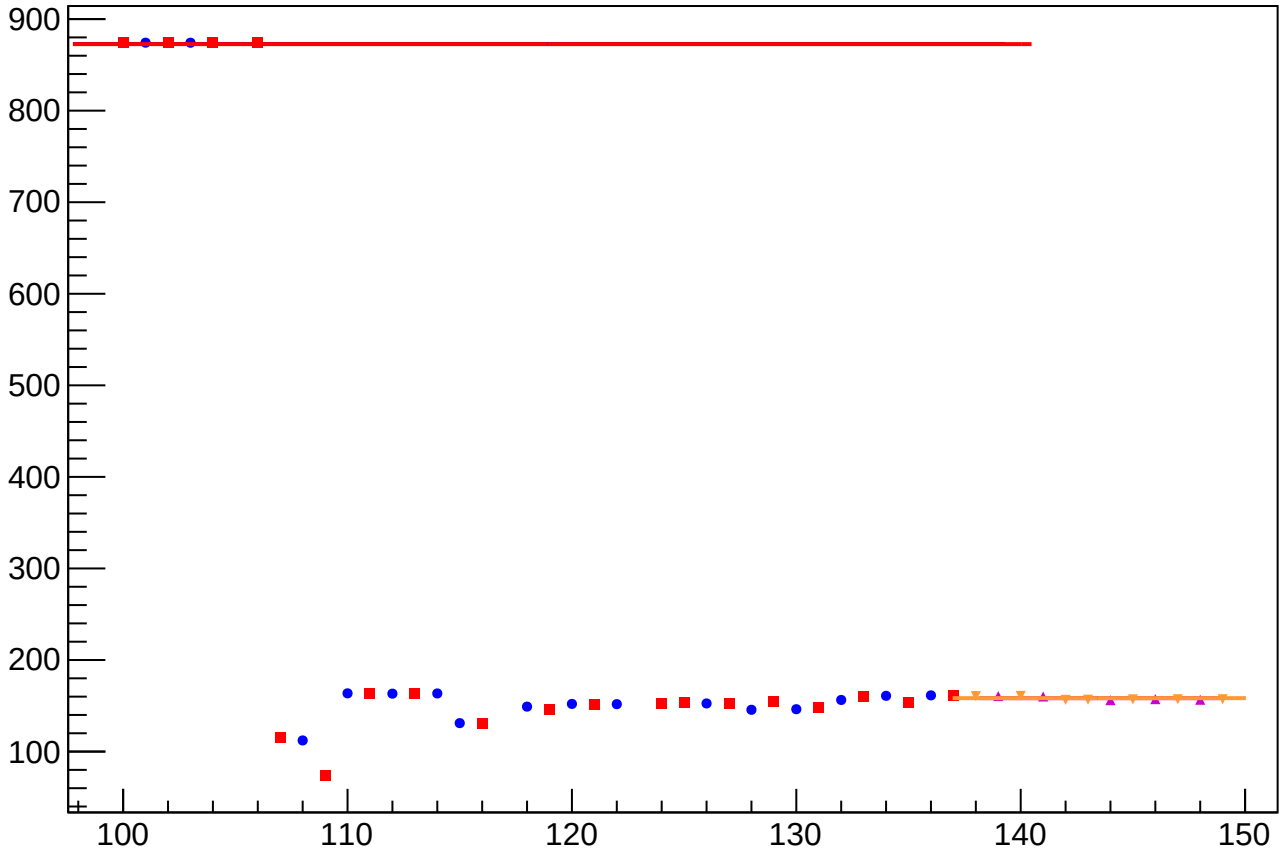
Left In: 0.371+/-0.000 χ^2/NDF:399235.3/4

+ sign 0.346+/-0.000 χ^2/NDF: 1729553.5/22

All: 0.349+/-0.000 χ^2/NDF: 3433883.0/46

- sign 0.353+/-0.000 χ^2/NDF: 1699799.0/23

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 158.342+/-0.000 χ^2/NDF:28927201.7/6

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

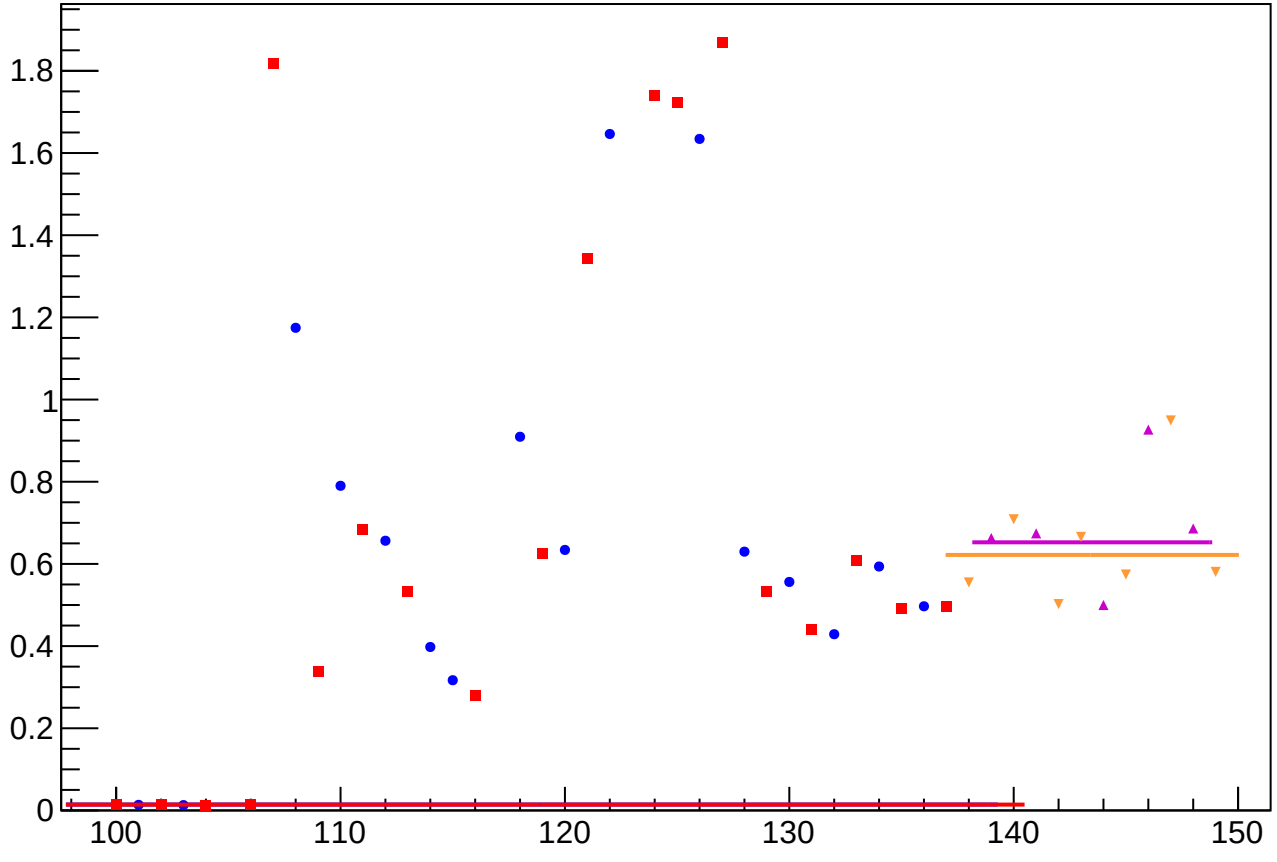
Left In: 158.372+/-0.000 χ^2/NDF:26049047.1/4

+ sign 871.943+/-0.000 χ^2/NDF: 11663695646101.

All: 872.026+/-0.000 χ^2/NDF: 24222863883

- sign 872.097+/-0.000 χ^2/NDF: 12559077701298.

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.622+/-0.000 χ^2/NDF:211108.1/6

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

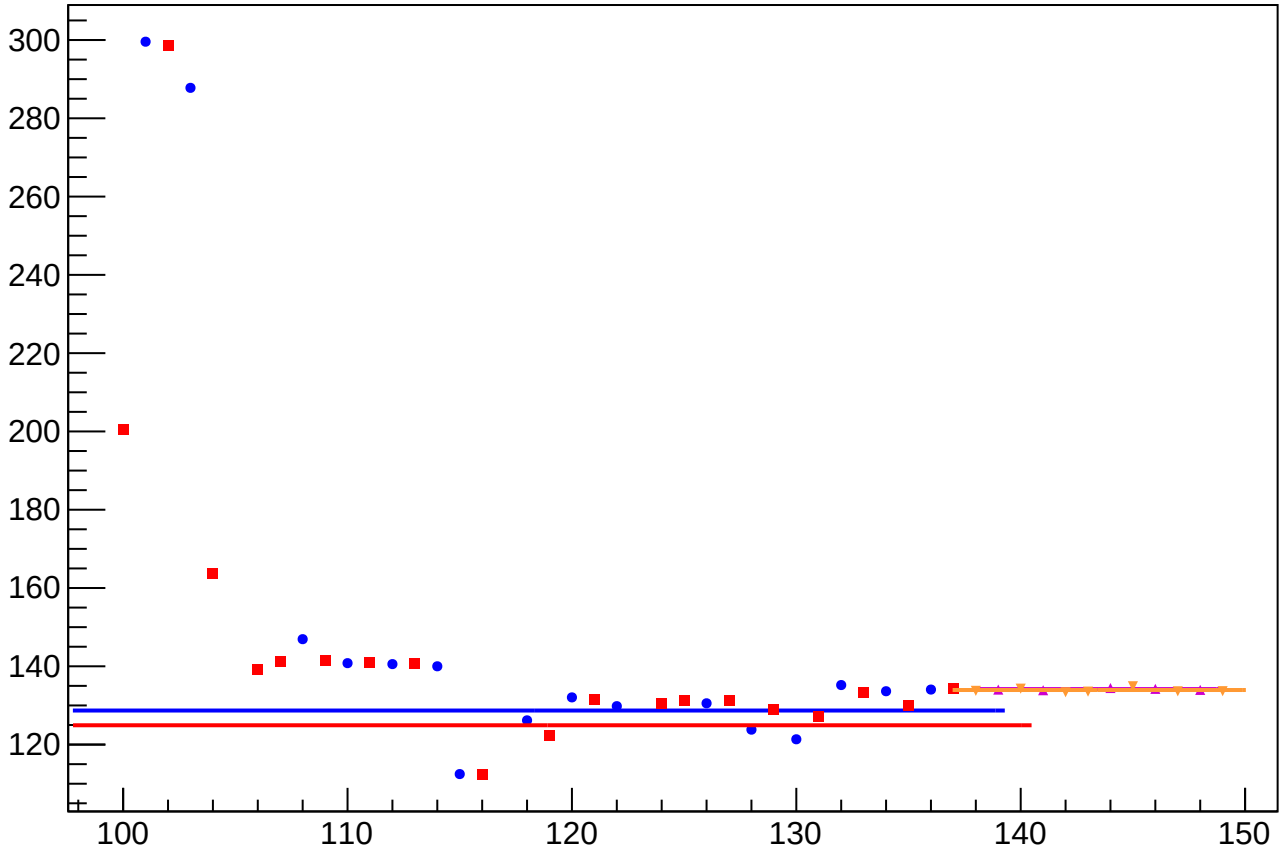
Left In: 0.653+/-0.000 χ^2/NDF:190385.4/4

+ sign 0.015+/-0.000 χ^2/NDF: 16300201.0/22

All: 0.015+/-0.000 χ^2/NDF: 31318803.8/46

- 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: 133.942+/-0.000 χ^2/NDF:6537242.5/6

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

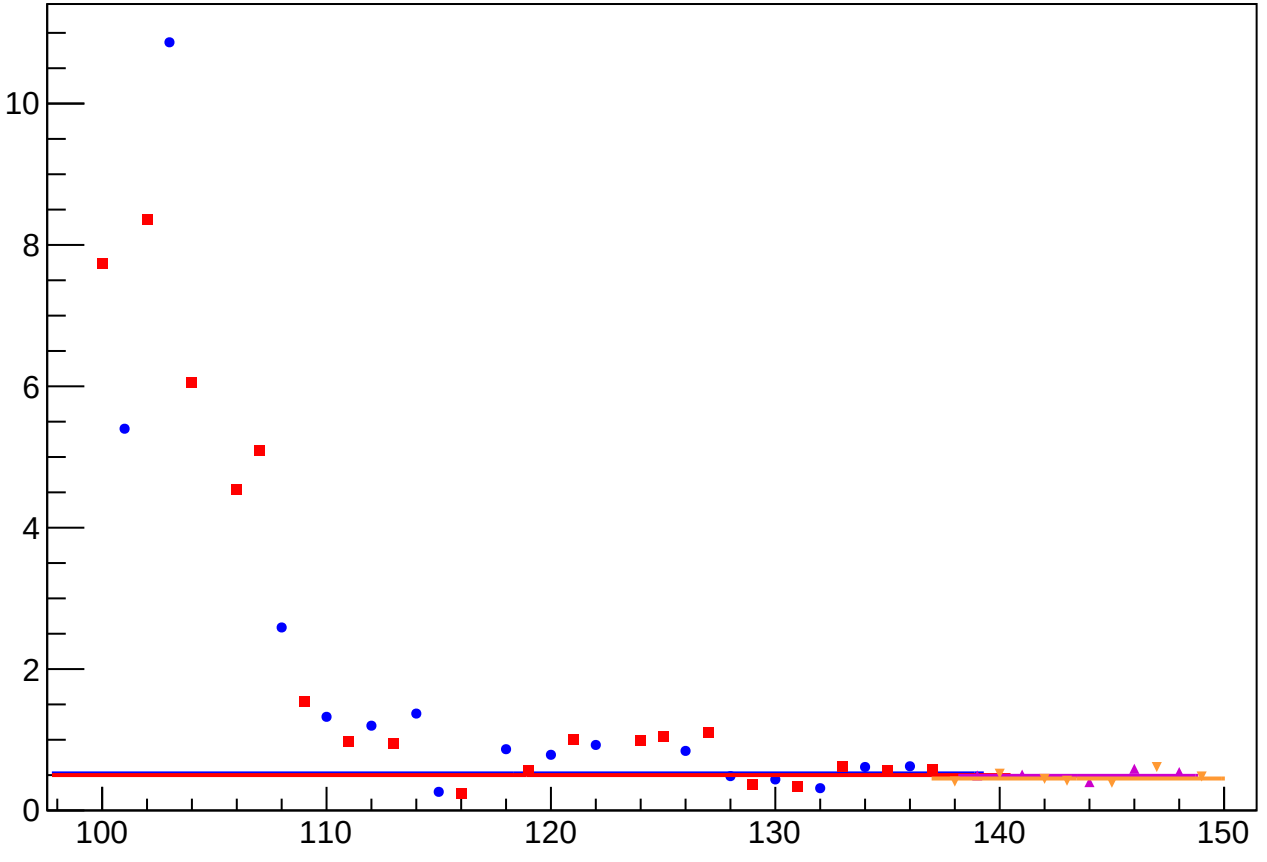
Left In: 134.185+/-0.000 χ^2/NDF:704578.7/4

+ sign 131.881+/-0.000 χ^2/NDF: 1885506665.5/22

All: 130.831+/-0.000 χ^2/NDF: 3967018314.0

- 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: 0.452+/-0.000 χ^2/NDF:180223.9/6

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

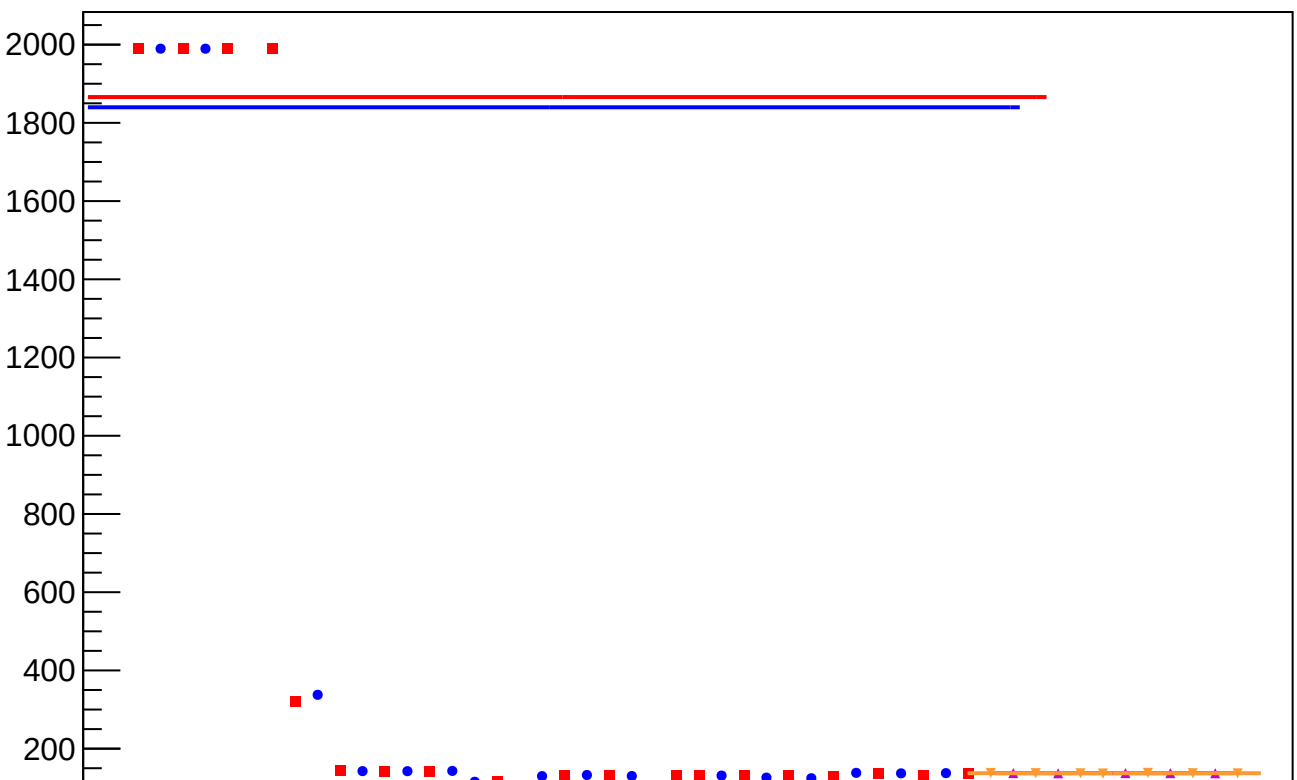
Left In: 0.490+/-0.000 χ^2/NDF:141328.4/4

+ sign 0.480+/-0.000 χ^2/NDF: 4402958.2/22

All: 0.487+/-0.000 χ^2/NDF: 9436794.2/46

- 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: 137.263+/-0.000 χ^2/NDF:14113675.7/6

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

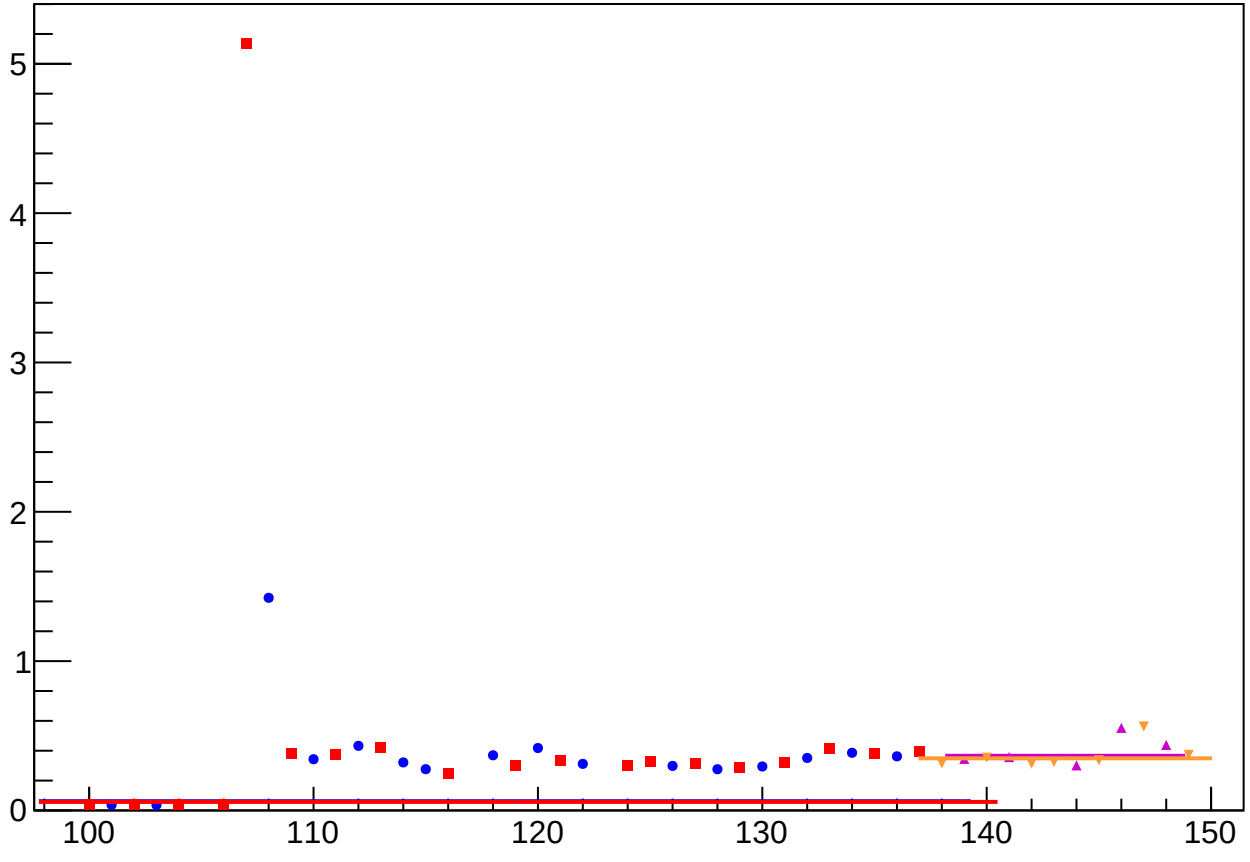
Left In: 137.394+/-0.000 χ^2/NDF:1444791.5/4

+ sign 1725.558+/-0.000 χ^2/NDF: 2568264944876

All: 1760.751+/-0.000 χ^2/NDF: 4865419798

- 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: 0.349+/-0.000 χ^2/NDF:268796.9/6

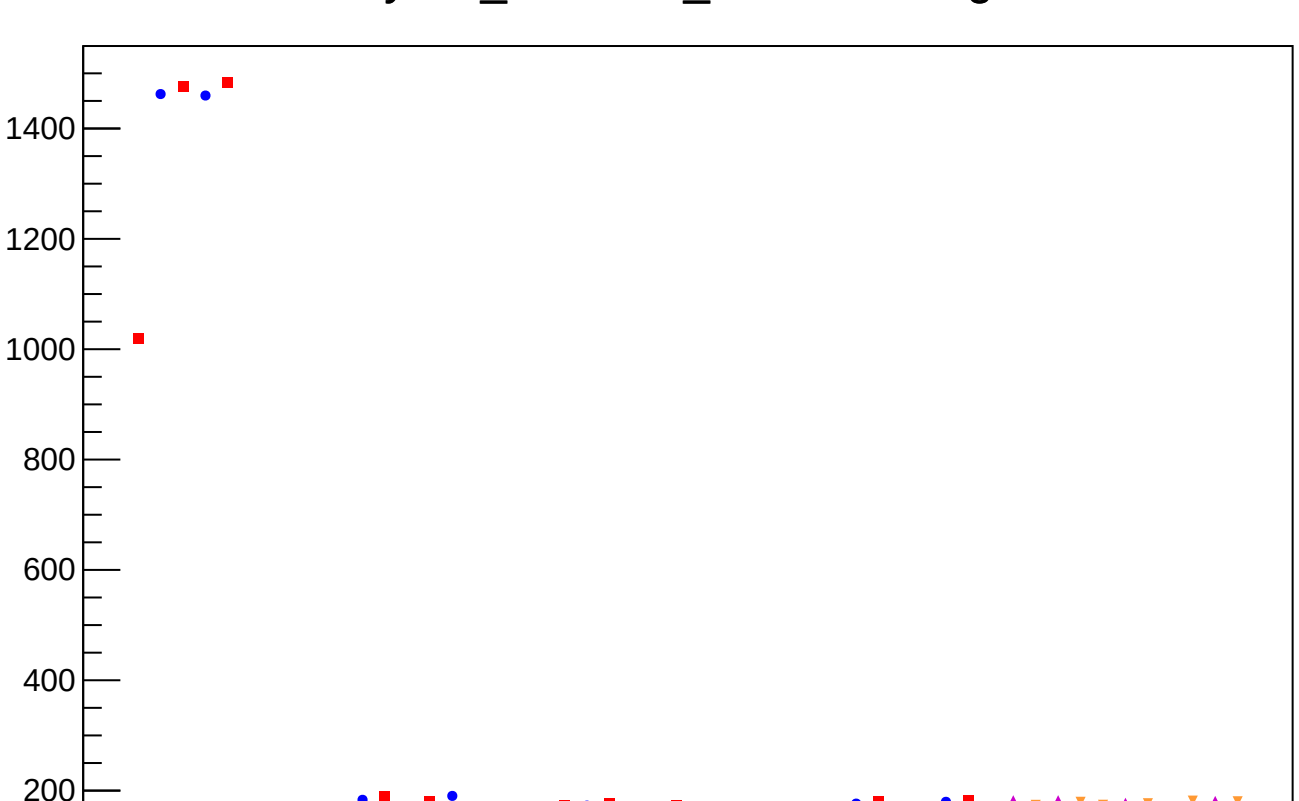
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.366+/-0.000 χ^2/NDF:322098.6/4

+ sign 0.081+/-0.000 χ^2/NDF: 14759918.8/22

All: 0.075+/-0.000 χ^2/NDF: 28352466.3/46

- 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: 175.555+/-0.000 χ^2/NDF:132547962.0/6

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

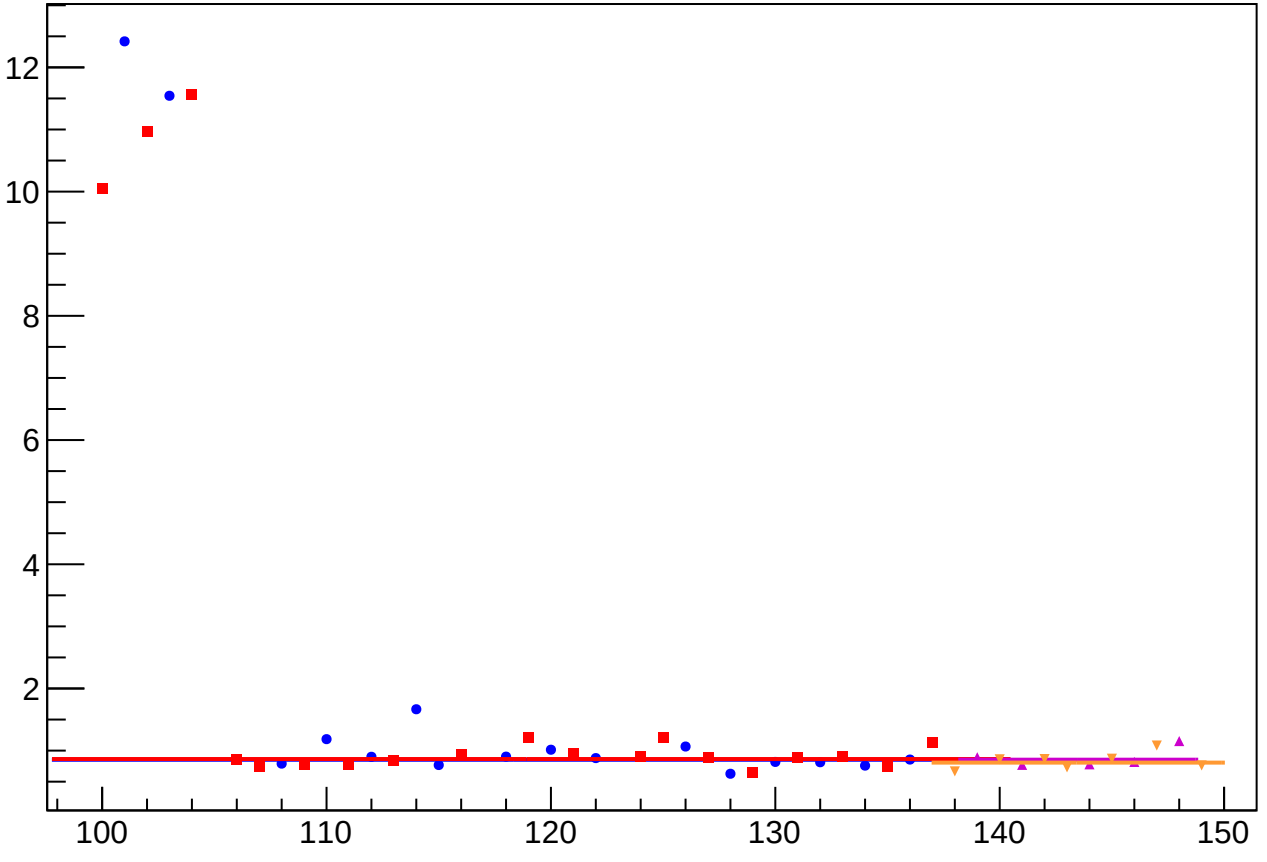
Left In: 174.933+/-0.001 χ^2/NDF:351875667.9/4

+ sign 170.970+/-0.000 χ^2/NDF: 14926269655.3/22

All: 171.224+/-0.000 χ^2/NDF: 31666446273.

- 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: 0.807+/-0.000 χ^2/NDF:134191.1/6

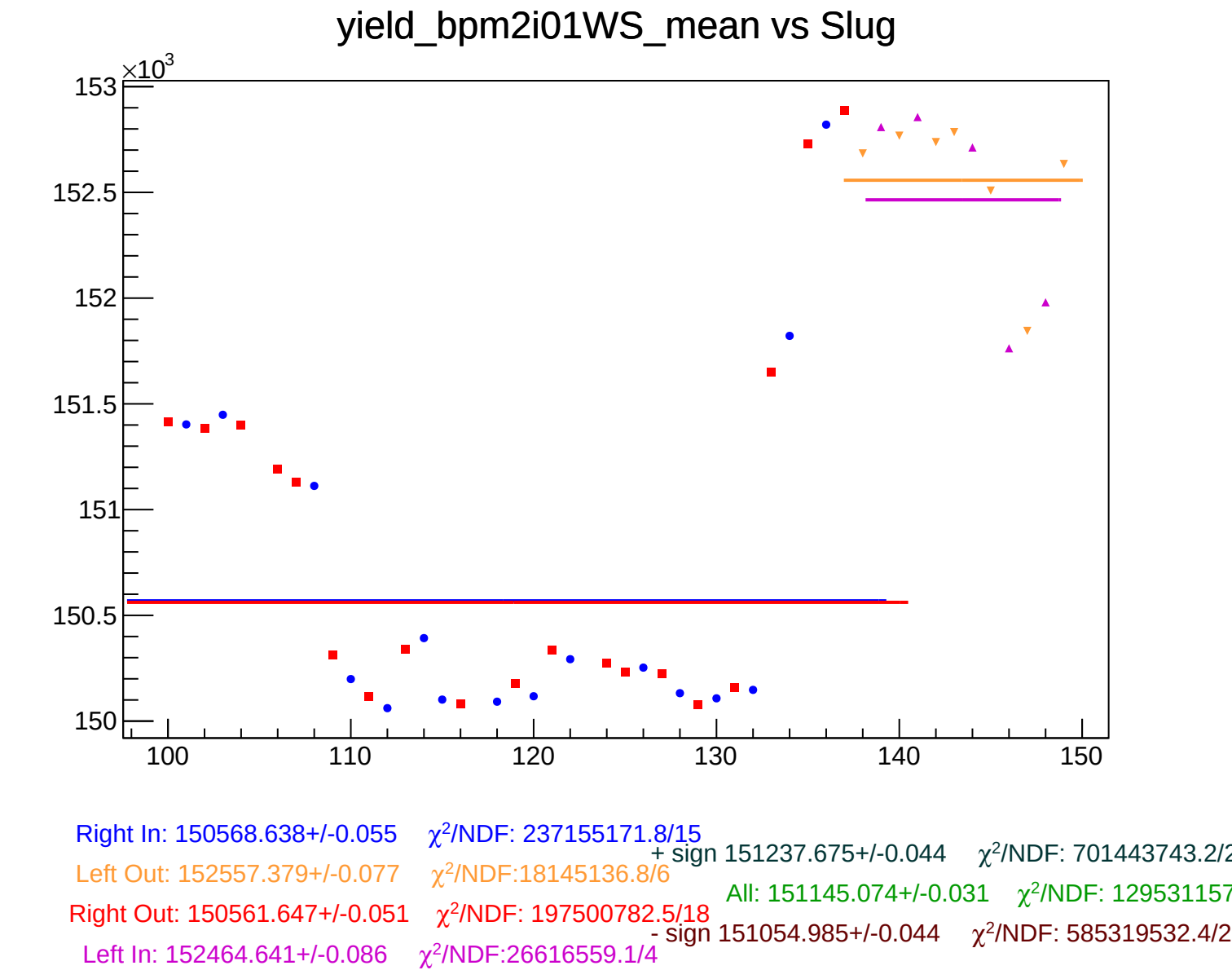
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.854+/-0.000 χ^2/NDF:105844.6/4

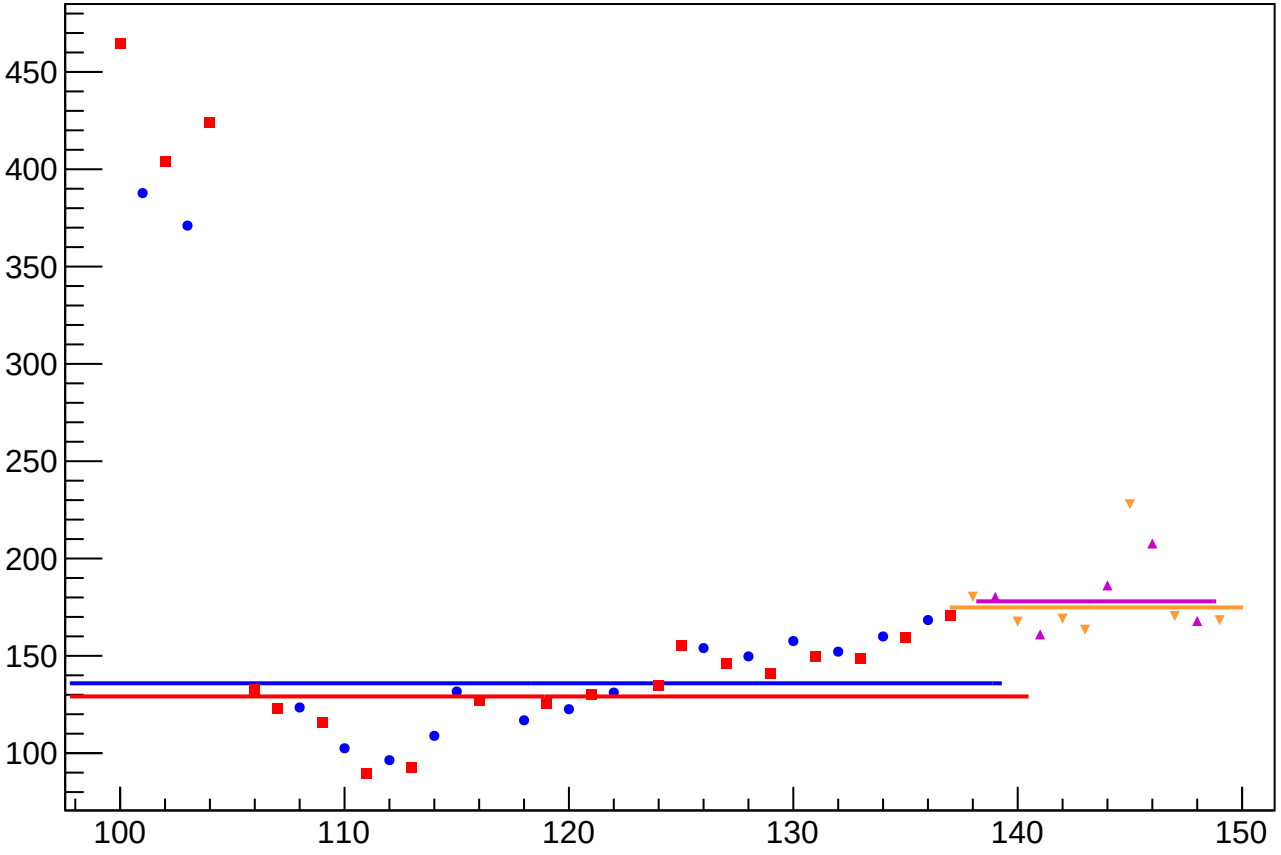
+ sign 0.832+/-0.000 χ^2/NDF: 2446968.0/22

All: 0.845+/-0.000 χ^2/NDF: 4770209.0/46

- 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: 152557.379+/-0.077 χ²/NDF:18145136.8/6
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 152464.641+/-0.086 χ²/NDF:26616559.1/4
+ sign 151237.675+/-0.044 χ²/NDF: 701443743.2/2
All: 151145.074+/-0.031 χ²/NDF: 12953115
- 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: 174.869+/-0.054 χ^2/NDF:104214.5/6

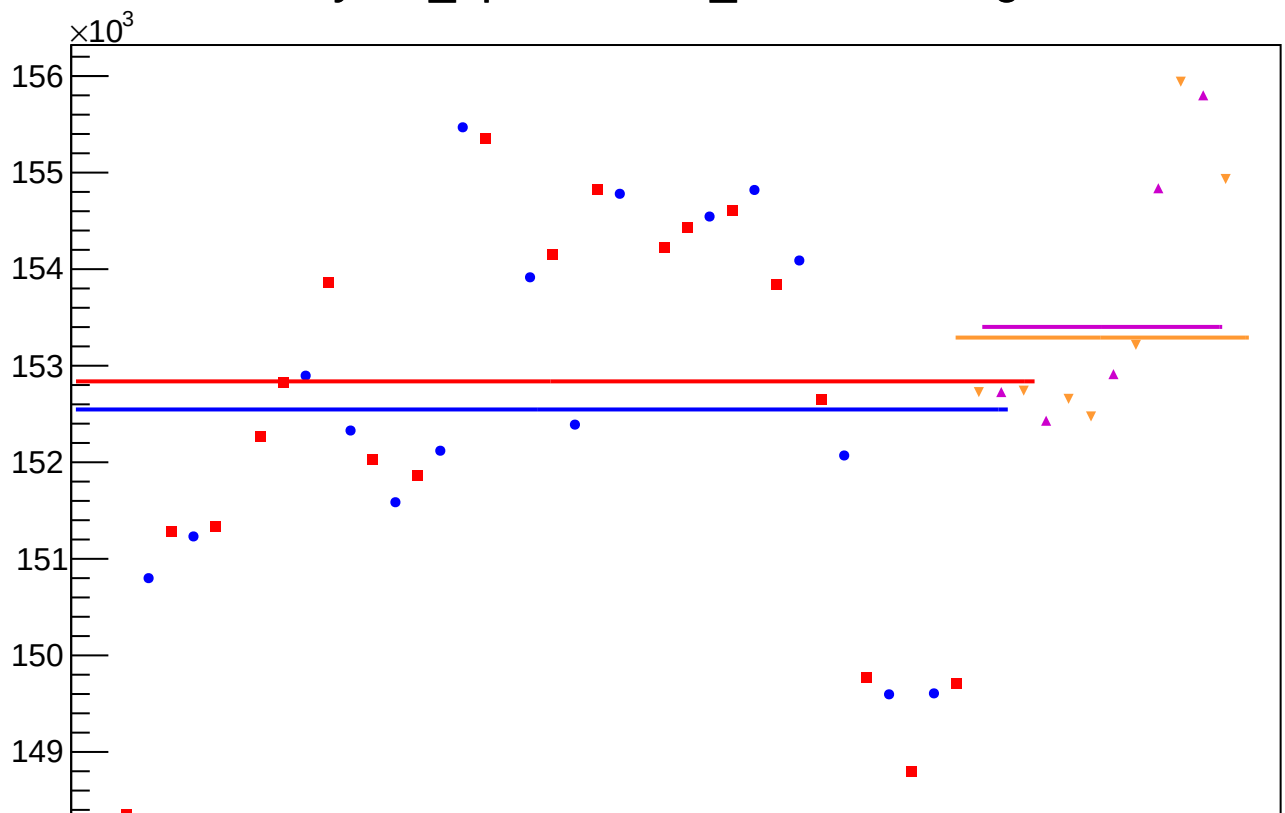
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 178.004+/-0.061 χ^2/NDF:64720.2/4

+ sign 149.007+/-0.031 χ^2/NDF: 1863209.5/22

All: 145.354+/-0.022 χ^2/NDF: 4045324.1/46

- 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: 153291.482+/-0.086 χ^2/NDF:163004599.2/6

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

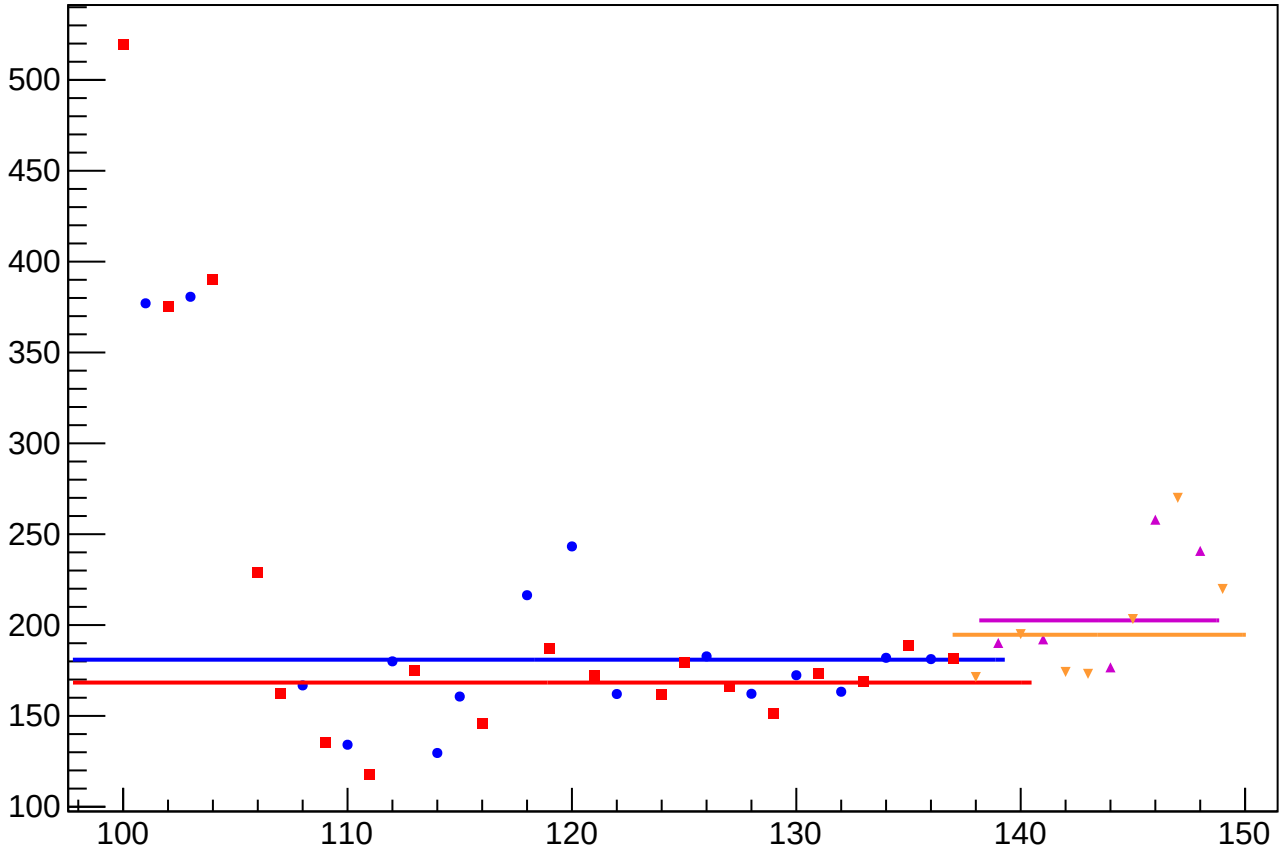
Left In: 153401.949+/-0.099 χ^2/NDF:146880568.8/4

+ sign 152855.925+/-0.056 χ^2/NDF: 861181805.0/2

All: 152935.274+/-0.039 χ^2/NDF: 17713791

- 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: 194.661+/-0.061 χ^2/NDF:216131.5/6

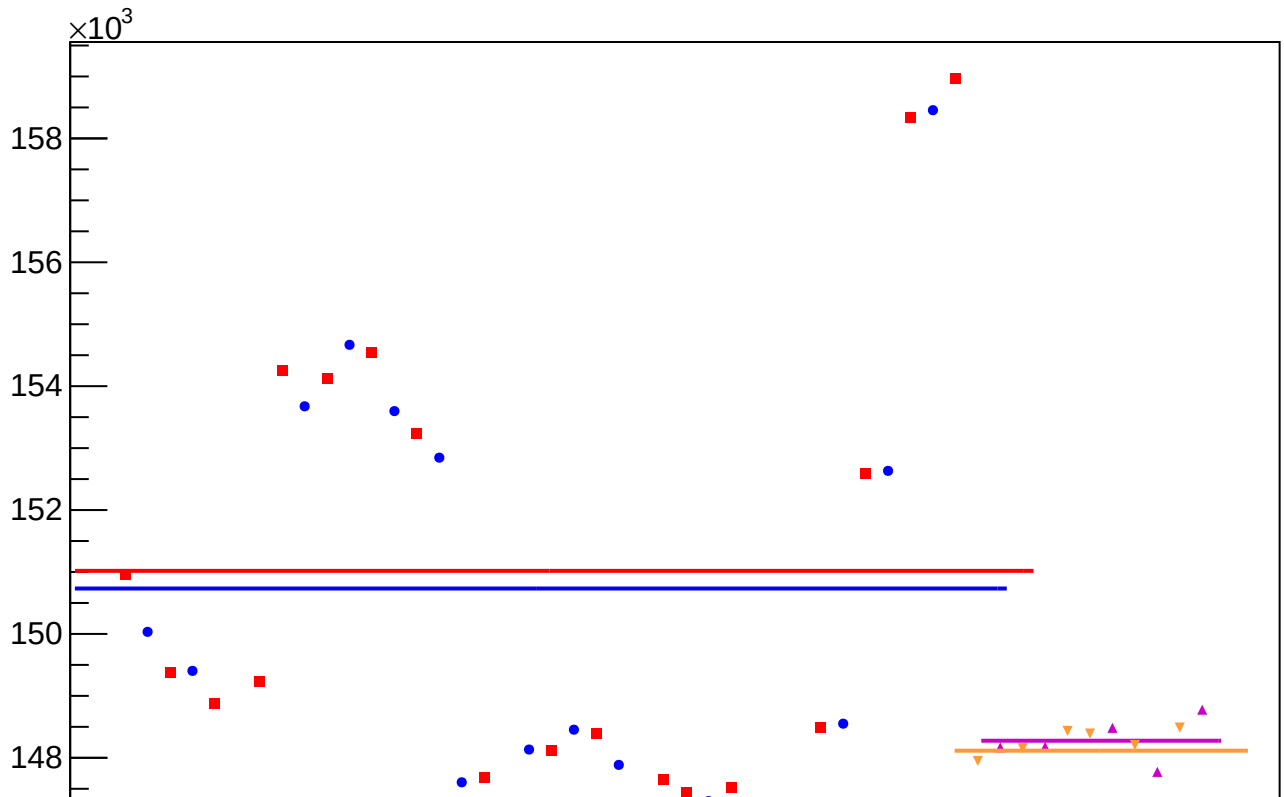
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.563+/-0.070 χ^2/NDF:171734.6/4

+ sign 186.634+/-0.039 χ^2/NDF: 1153531.9/22

All: 182.813+/-0.028 χ^2/NDF: 2597622.5/46

- 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: 148115.576+/-0.085 χ^2/NDF:19822202.3/6

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

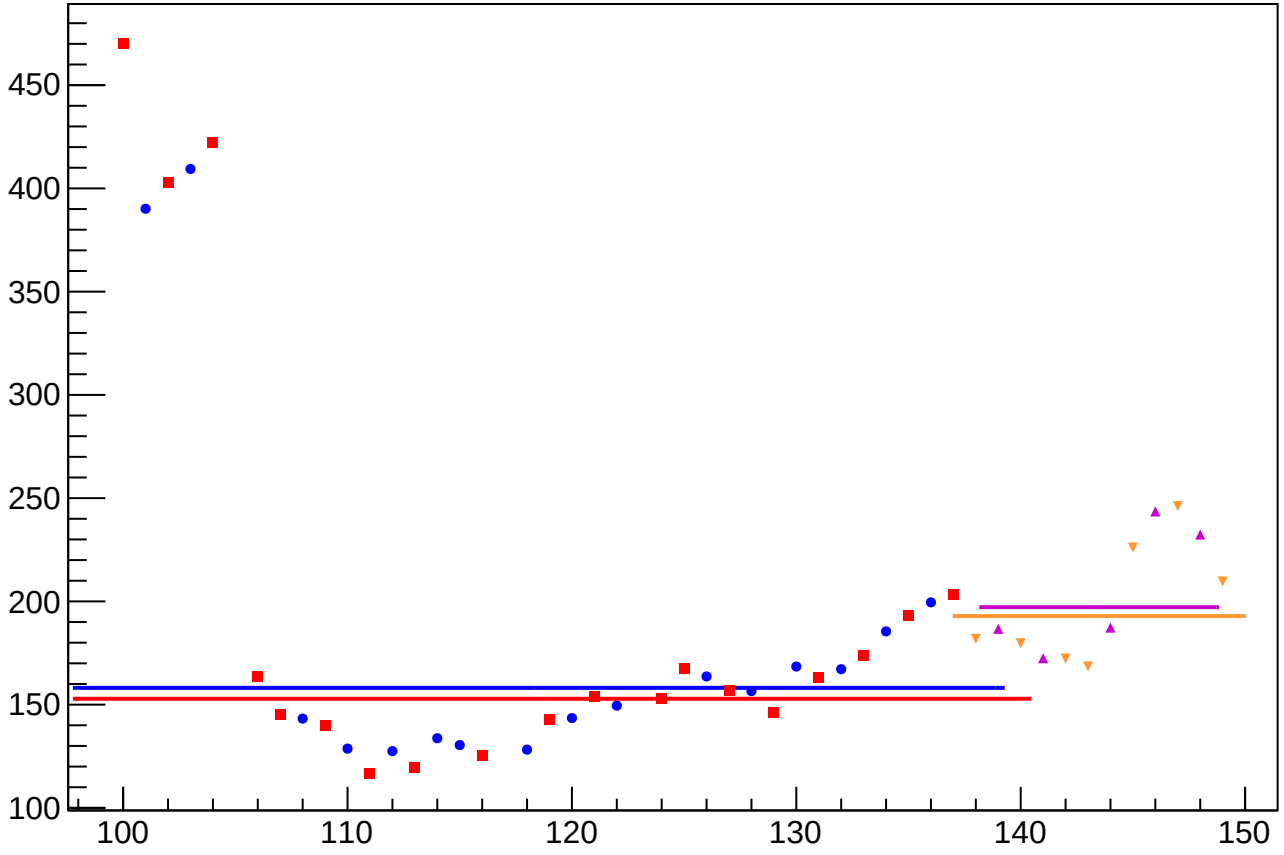
Left In: 148275.800+/-0.096 χ^2/NDF:9256224.8/4

+ sign 149805.980+/-0.051 χ^2/NDF: 3917251468.6/

All: 150024.238+/-0.036 χ^2/NDF: 78379974

- 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: 192.877+/-0.060 χ^2/NDF:181817.8/6

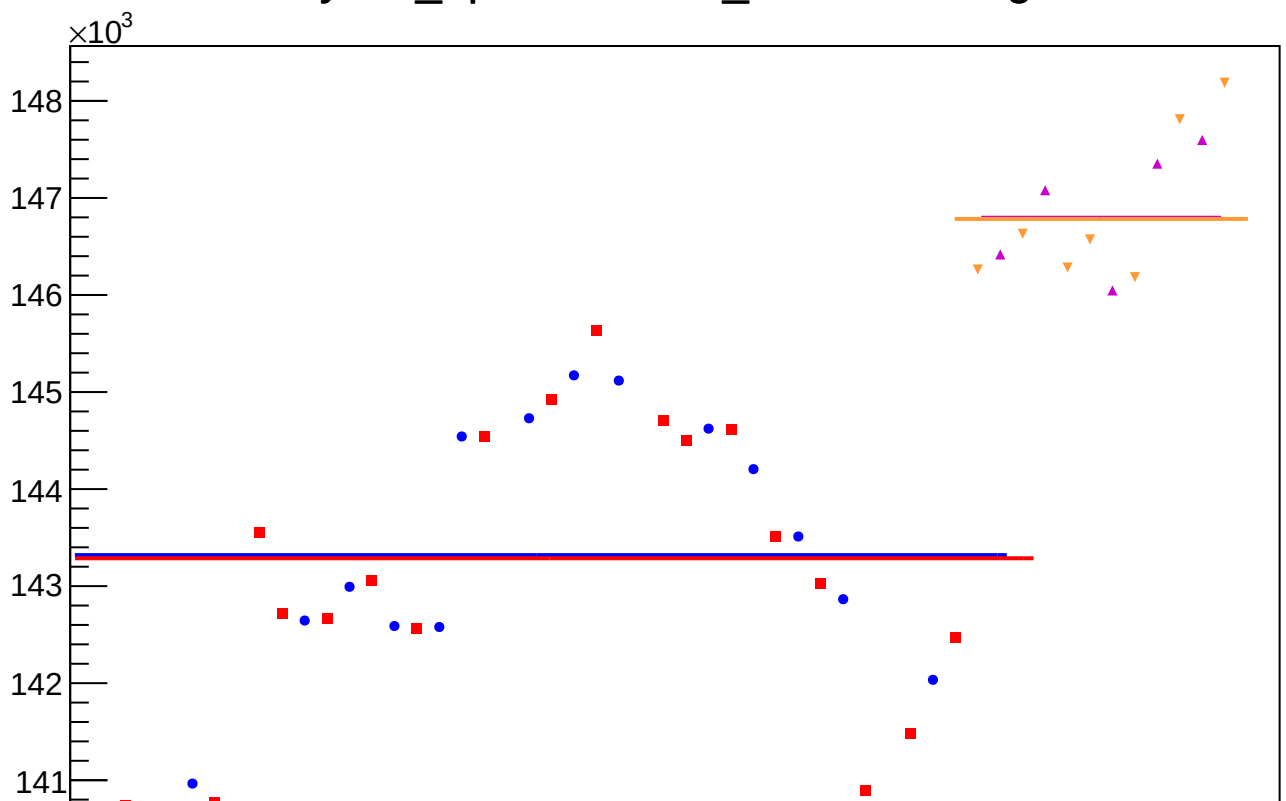
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 197.200+/-0.068 χ^2/NDF:147804.3/4

+ sign 170.444+/-0.036 χ^2/NDF: 1593640.7/22

All: 167.911+/-0.025 χ^2/NDF: 3323318.5/46

- 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: 146783.811+/-0.085 χ^2/NDF:66921214.3/6

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

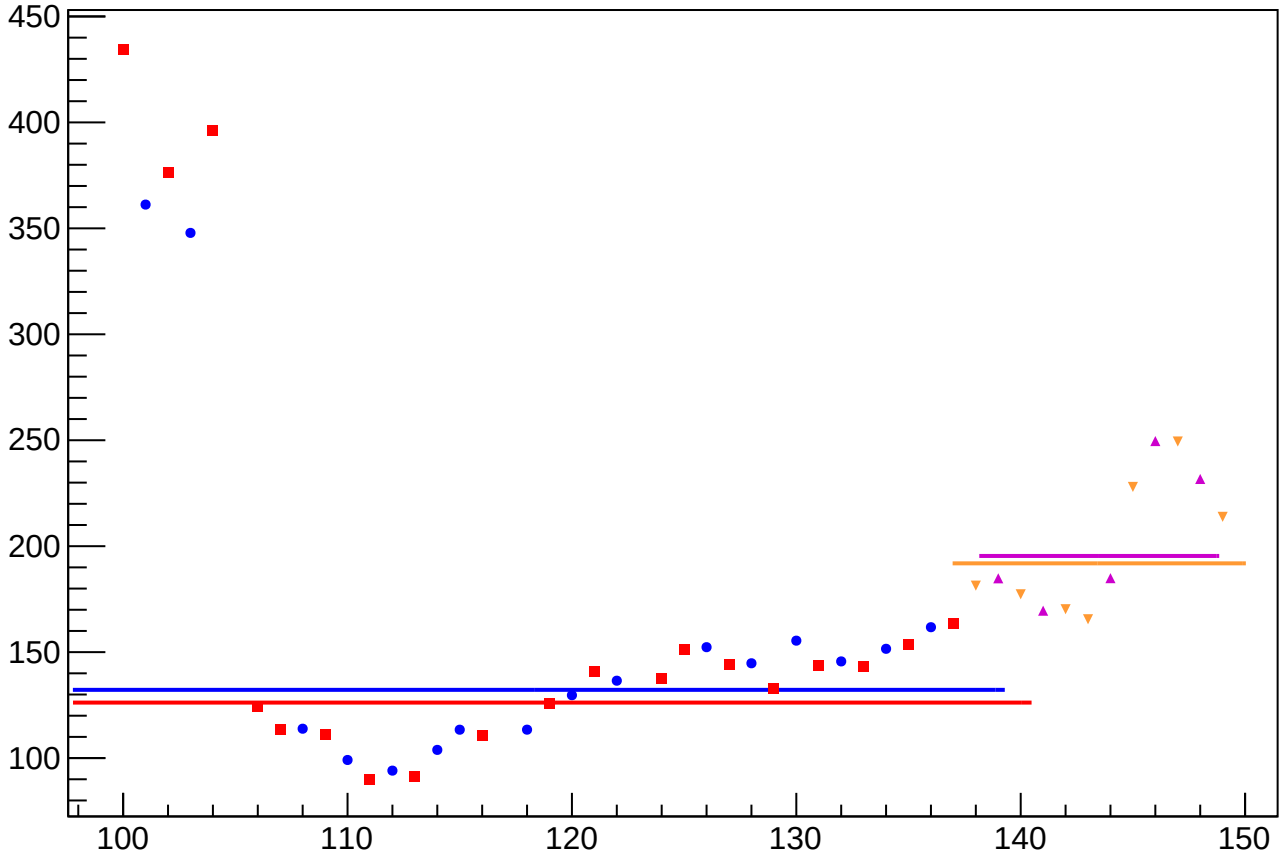
Left In: 146796.011+/-0.095 χ^2/NDF:34674418.0/4

+ sign 144297.975+/-0.045 χ^2/NDF: 1827088502.0

All: 144165.296+/-0.031 χ^2/NDF: 35660600

- 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: 191.902+/-0.060 χ^2/NDF:214737.4/6

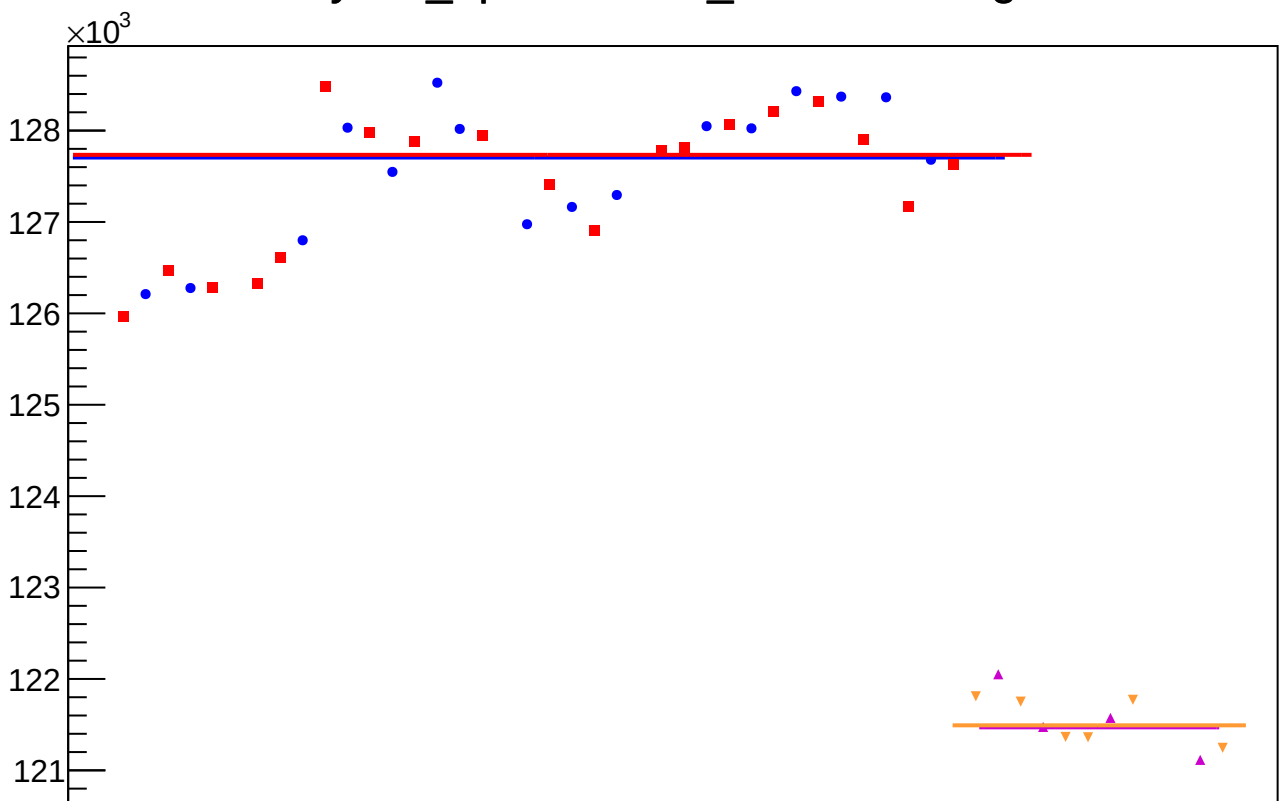
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 195.391+/-0.067 χ^2/NDF:174697.8/4

\+ sign 149.064+/-0.032 χ^2/NDF: 2307152.6/22

All: 144.949+/-0.022 χ^2/NDF: 4889341.0/46

\- 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: 121492.502+/-0.074 χ^2/NDF:20385807.2/6

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

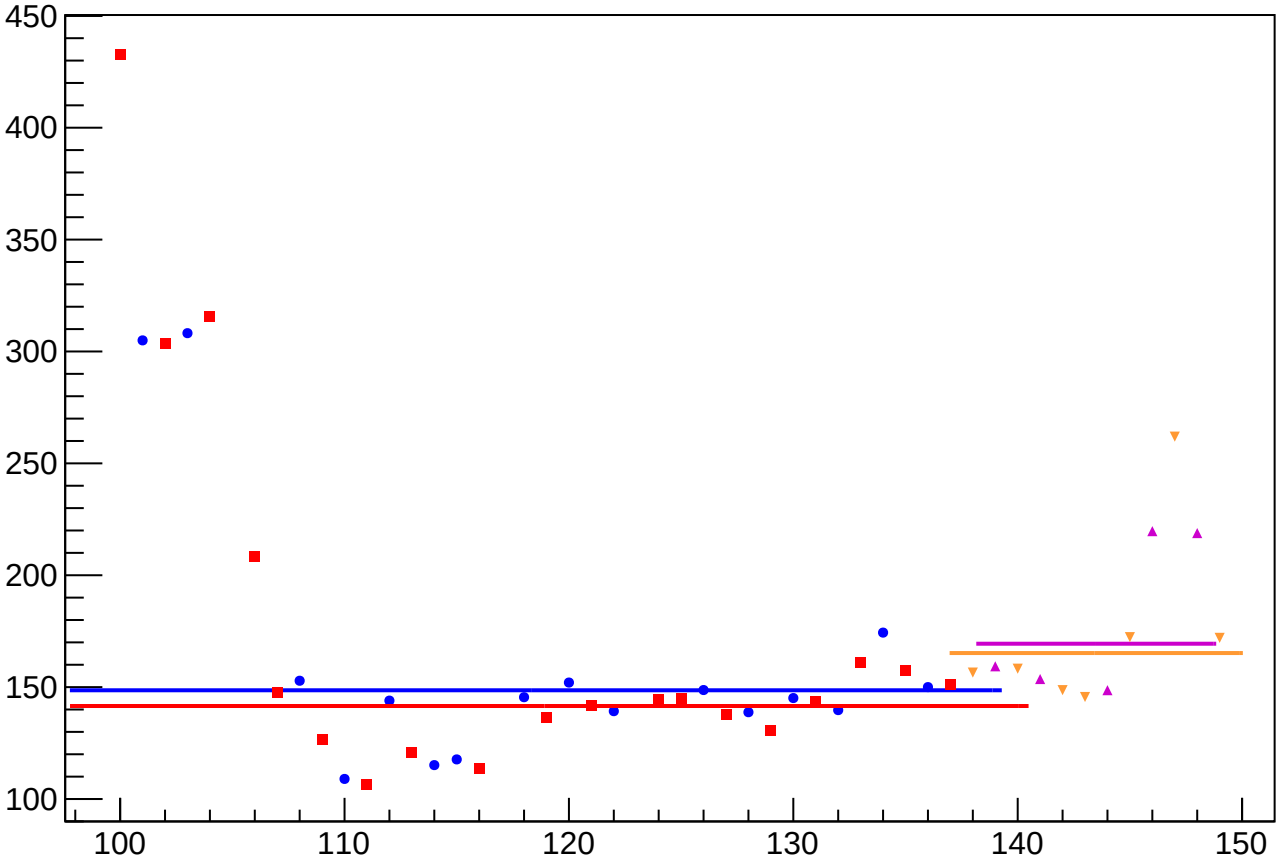
Left In: 121470.444+/-0.083 χ^2/NDF:30285465.6/4

+ sign 125319.998+/-0.046 χ^2/NDF: 4467399030.1

All: 125581.383+/-0.032 χ^2/NDF: 86013493

- 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: 165.232+/-0.052 χ^2/NDF:273137.1/6

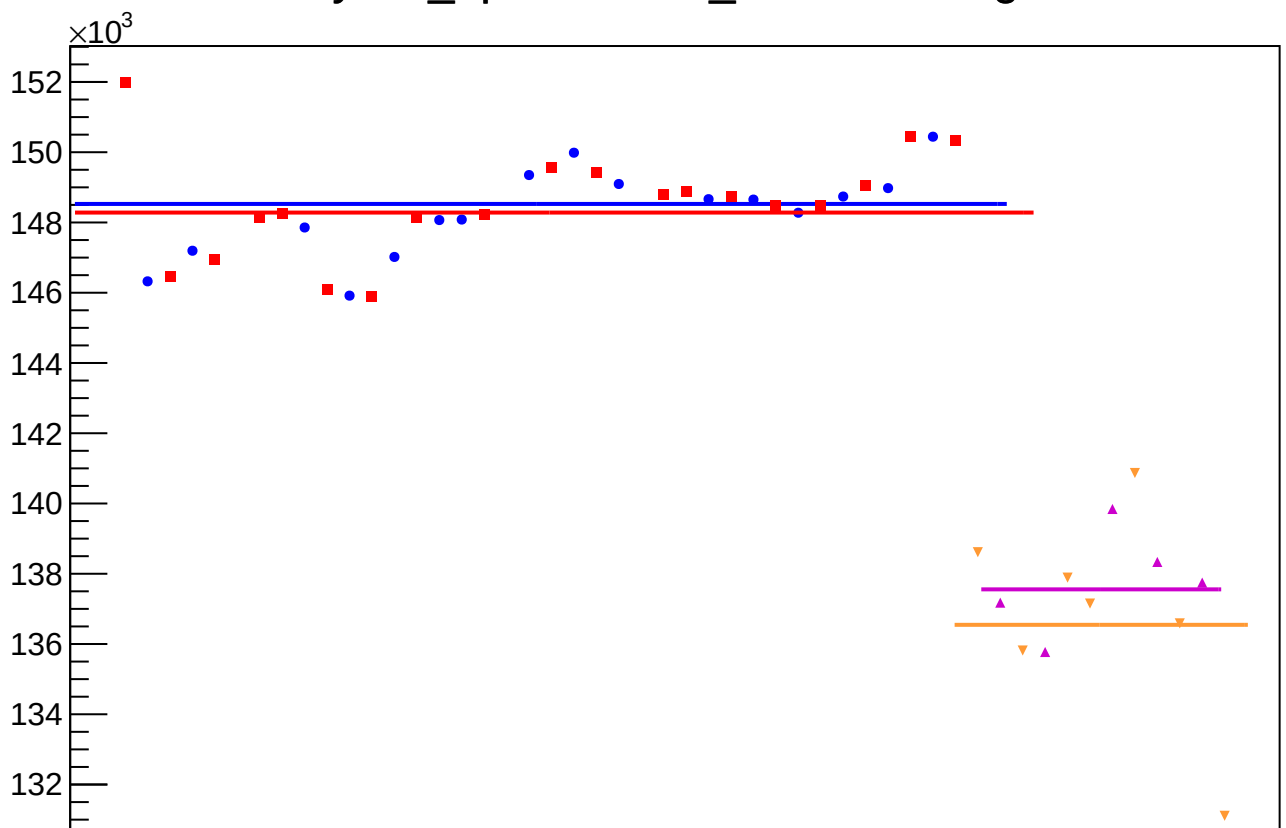
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 169.399+/-0.059 χ^2/NDF:231299.9/4

+ sign 154.981+/-0.032 χ^2/NDF: 1163138.0/22

All: 152.476+/-0.023 χ^2/NDF: 2562783.3/46

- 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: 136546.173+/-0.109 χ^2/NDF:709715140.4/6

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

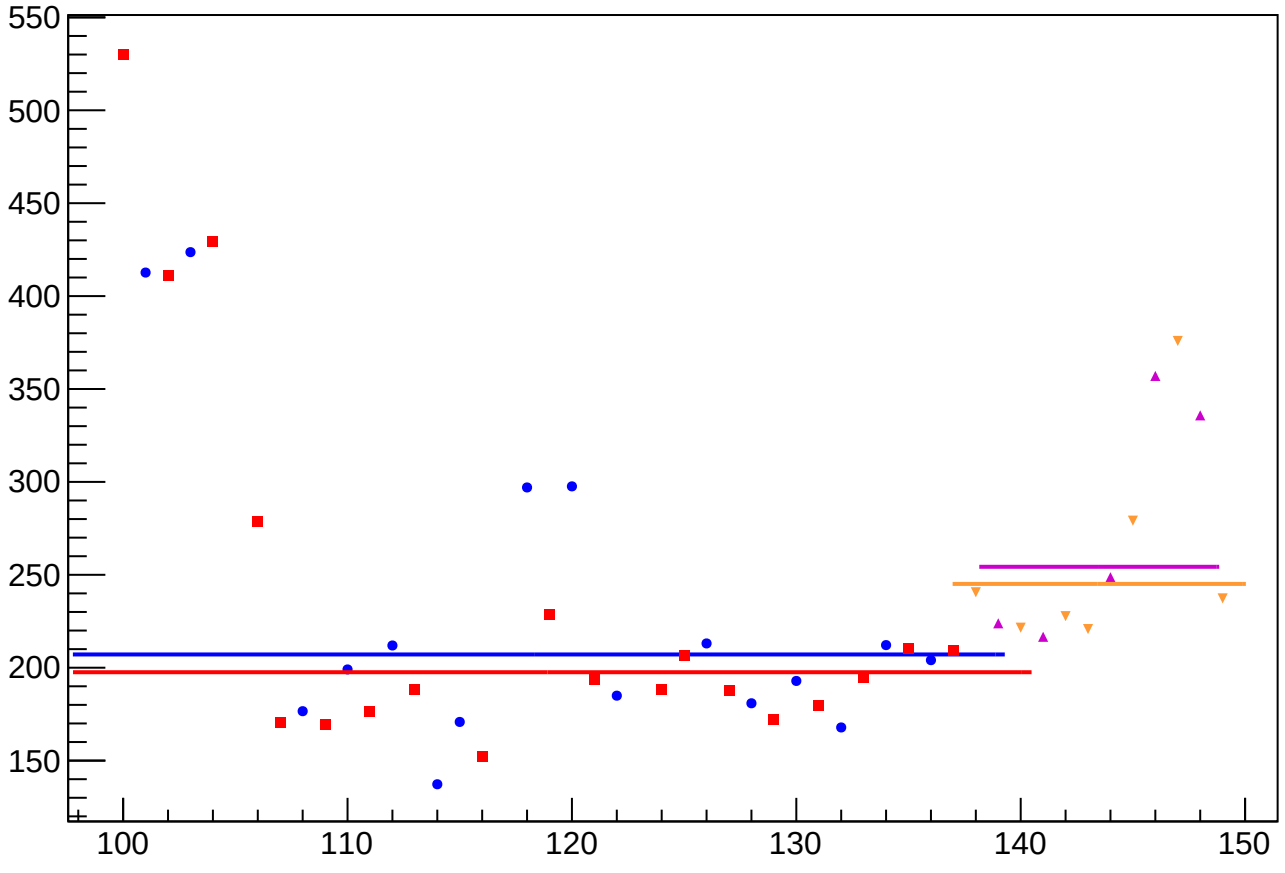
Left In: 137555.624+/-0.125 χ^2/NDF:140894317.4/4

+ sign 144185.248+/-0.065 χ^2/NDF: 8668003466.1

All: 144776.973+/-0.046 χ^2/NDF: 14593770

- 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: 245.105+/-0.077 χ^2/NDF:265955.5/6

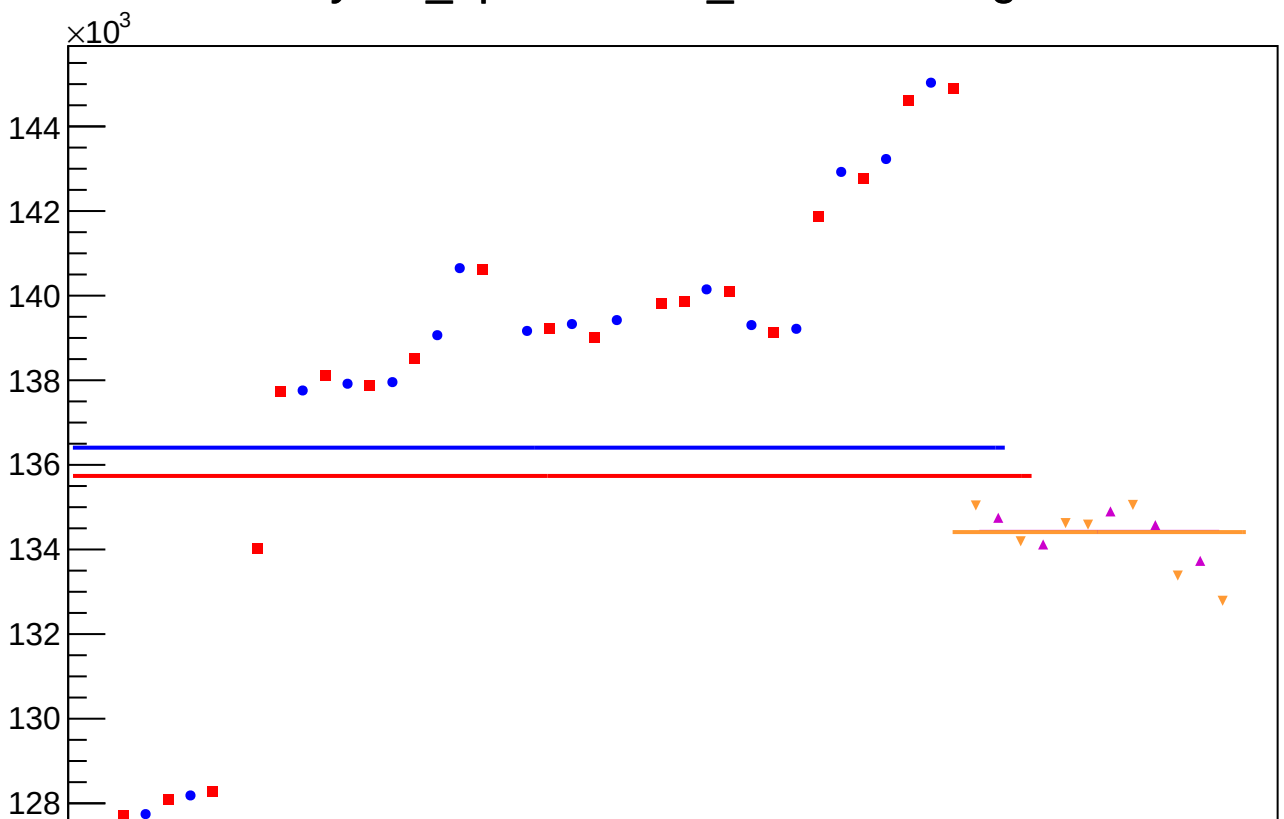
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 254.315+/-0.089 χ^2/NDF:324144.9/4

+ sign 220.896+/-0.046 χ^2/NDF: 1393815.4/22

All: 216.939+/-0.033 χ^2/NDF: 2934727.9/46

- 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: 134411.279+/-0.244 χ^2/NDF:9163525.0/6

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

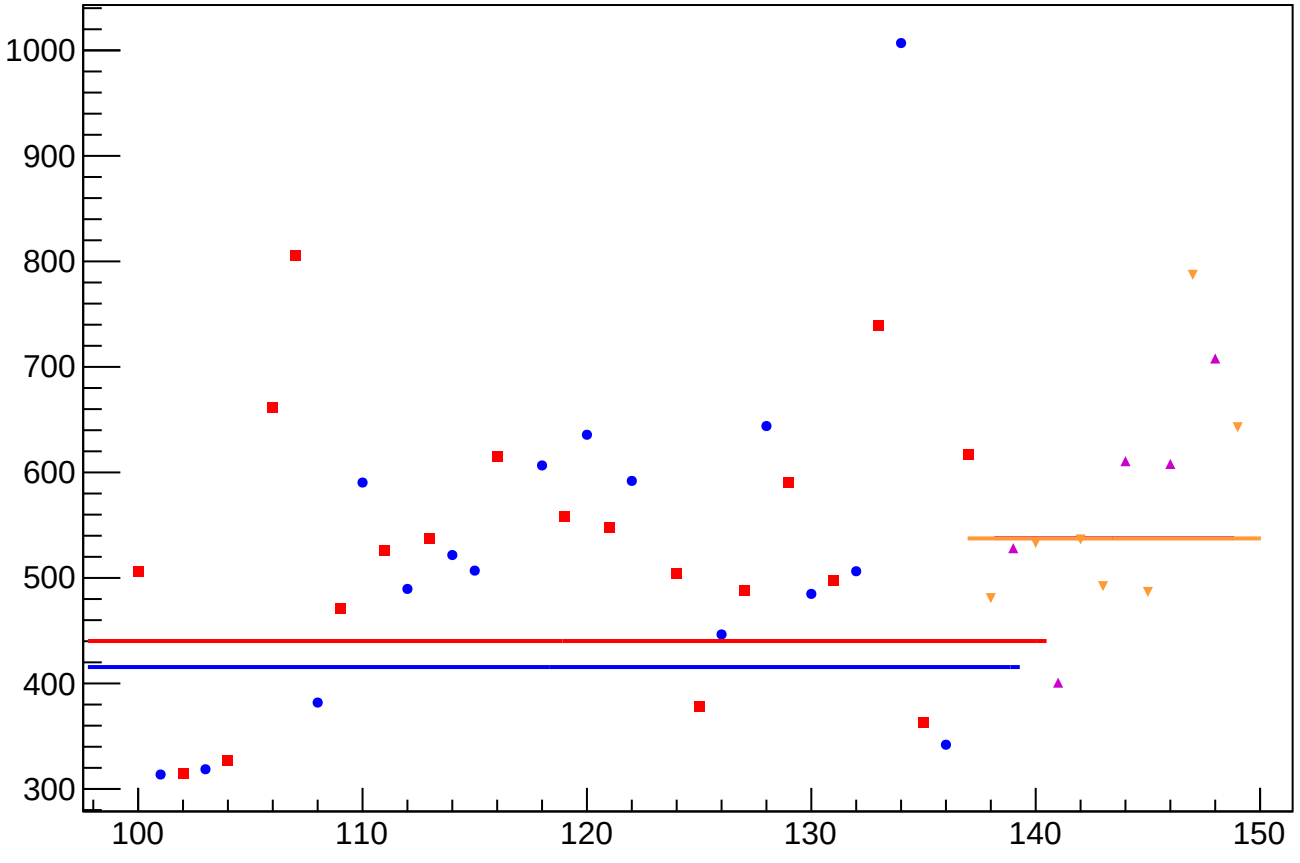
Left In: 134416.303+/-0.284 χ^2/NDF:1911621.5/4

+ sign 135763.375+/-0.139 χ^2/NDF: 1631427721.8

All: 135581.253+/-0.102 χ^2/NDF: 28268621

- 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: 537.444+/-0.173 χ^2/NDF:239989.3/6

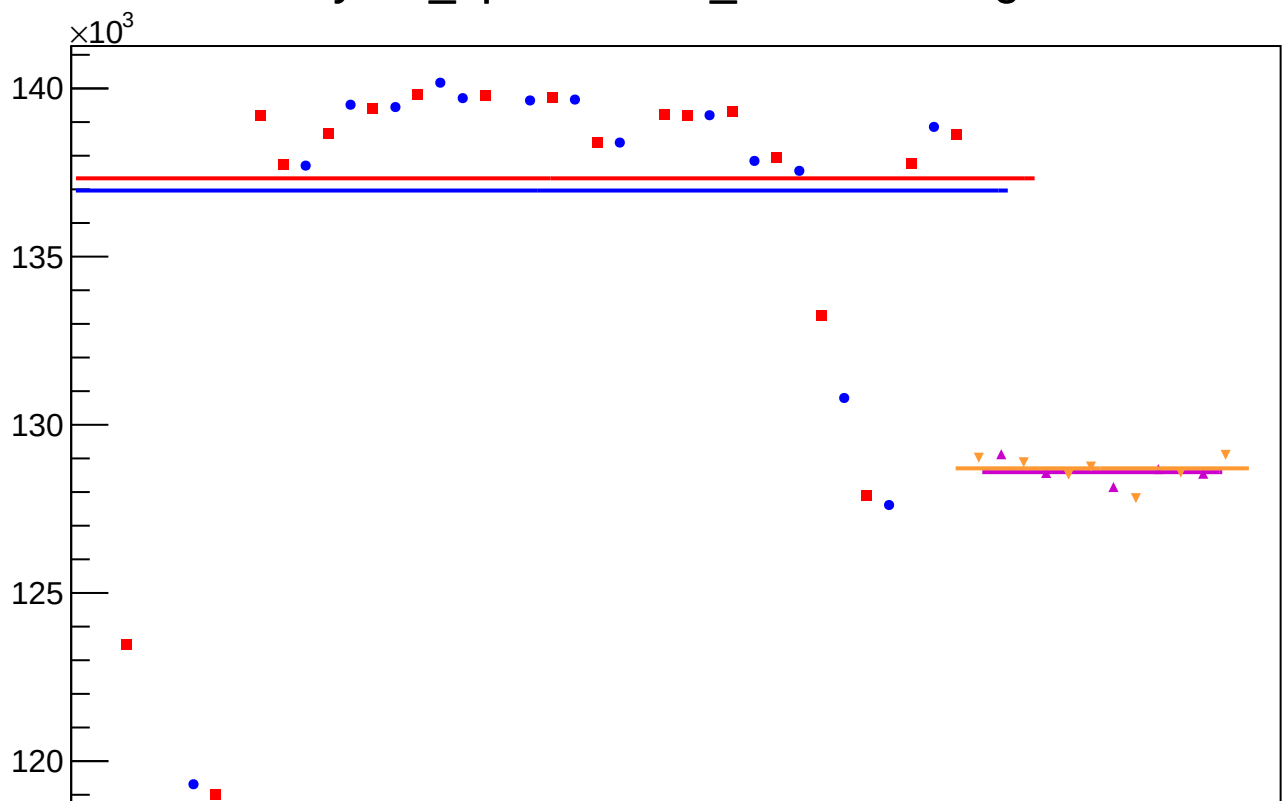
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 537.778+/-0.200 χ^2/NDF:285683.1/4

+ sign 454.856+/-0.098 χ^2/NDF: 1608815.2/22

All: 460.692+/-0.072 χ^2/NDF: 2983553.0/46

- 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: 128705.238+/-0.080 χ^2/NDF:25324348.8/6

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

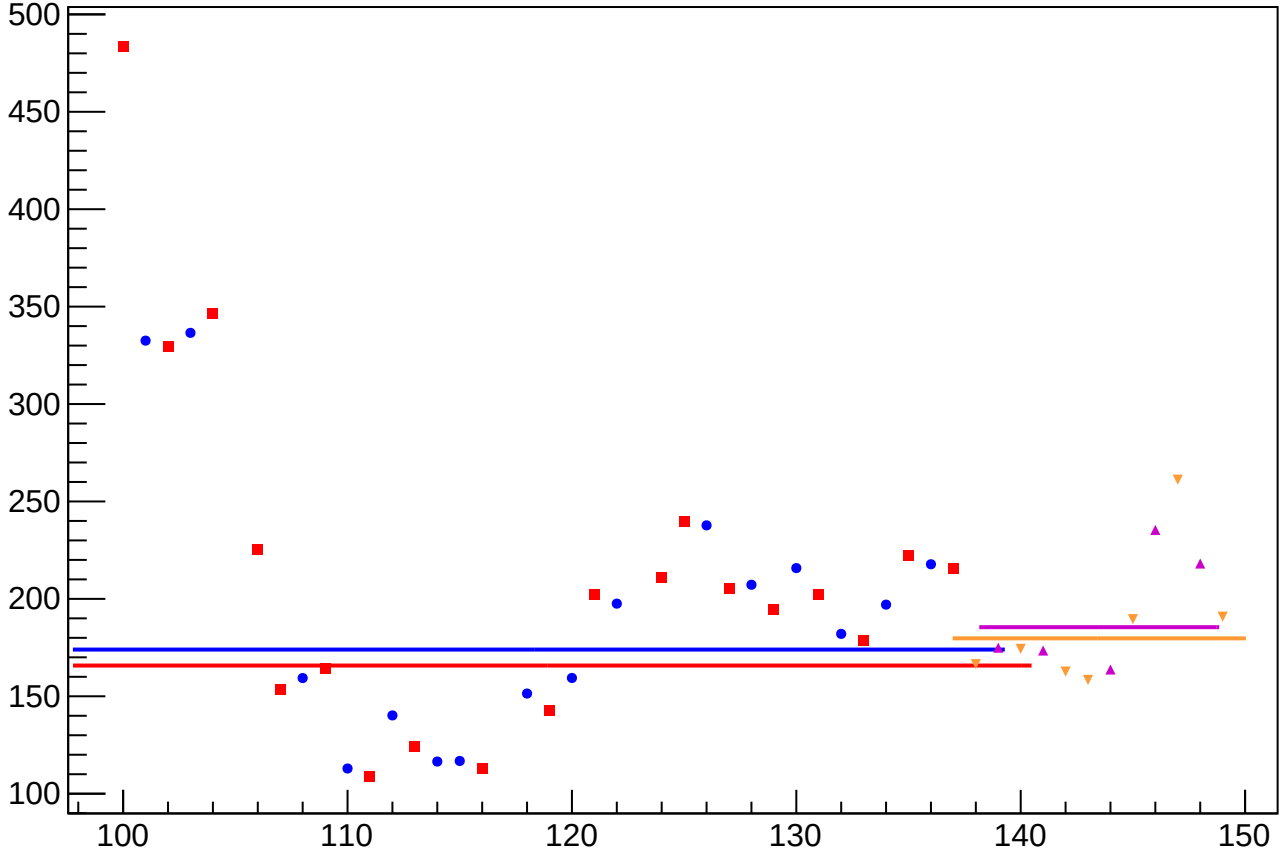
Left In: 128591.916+/-0.091 χ^2/NDF:14368708.0/4

+ sign 133380.231+/-0.052 χ^2/NDF: 11923068046.

All: 133843.033+/-0.037 χ^2/NDF: 23936970

- 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: 179.736+/-0.056 χ^2/NDF:218320.8/6

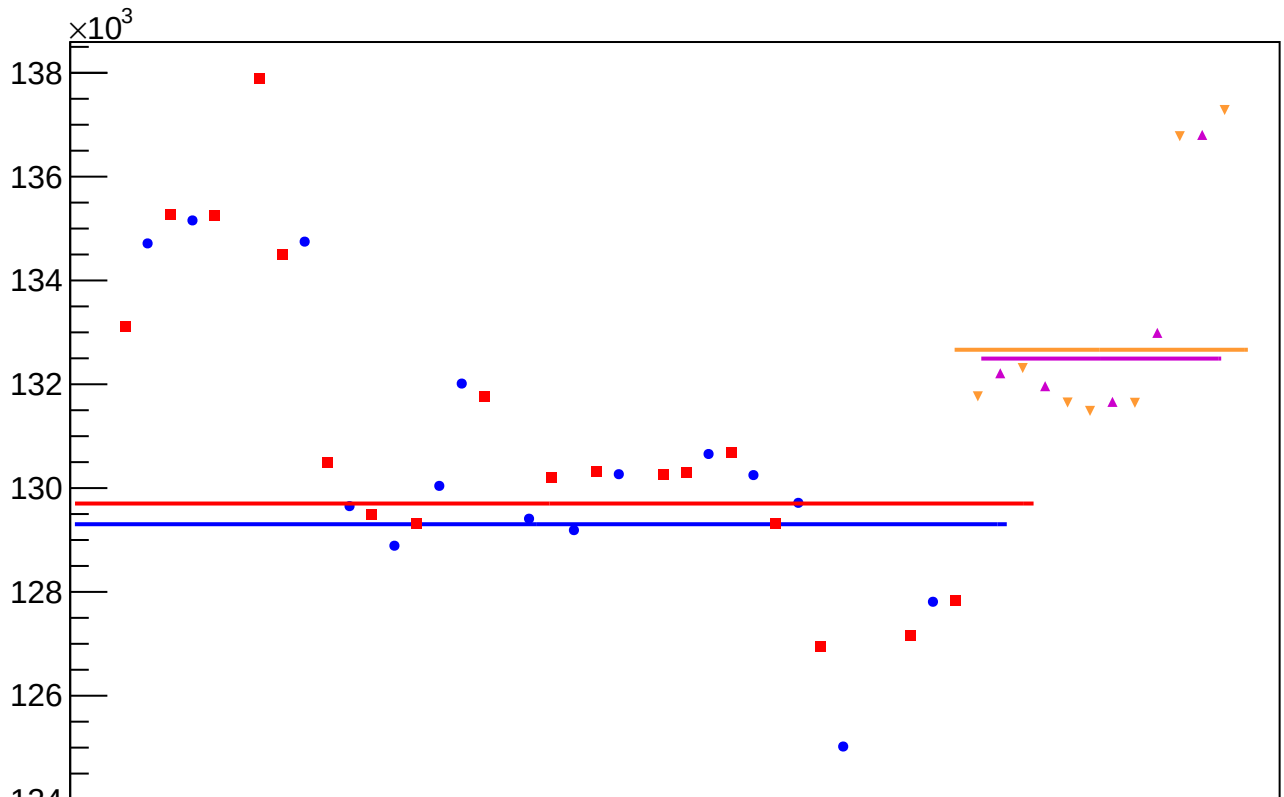
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 185.473+/-0.064 χ^2/NDF:160814.9/4

+ sign 176.479+/-0.037 χ^2/NDF: 1412726.1/22

All: 174.547+/-0.026 χ^2/NDF: 3074241.4/46

- 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: 132665.028+/-0.081 χ^2/NDF:620500262.7/6

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

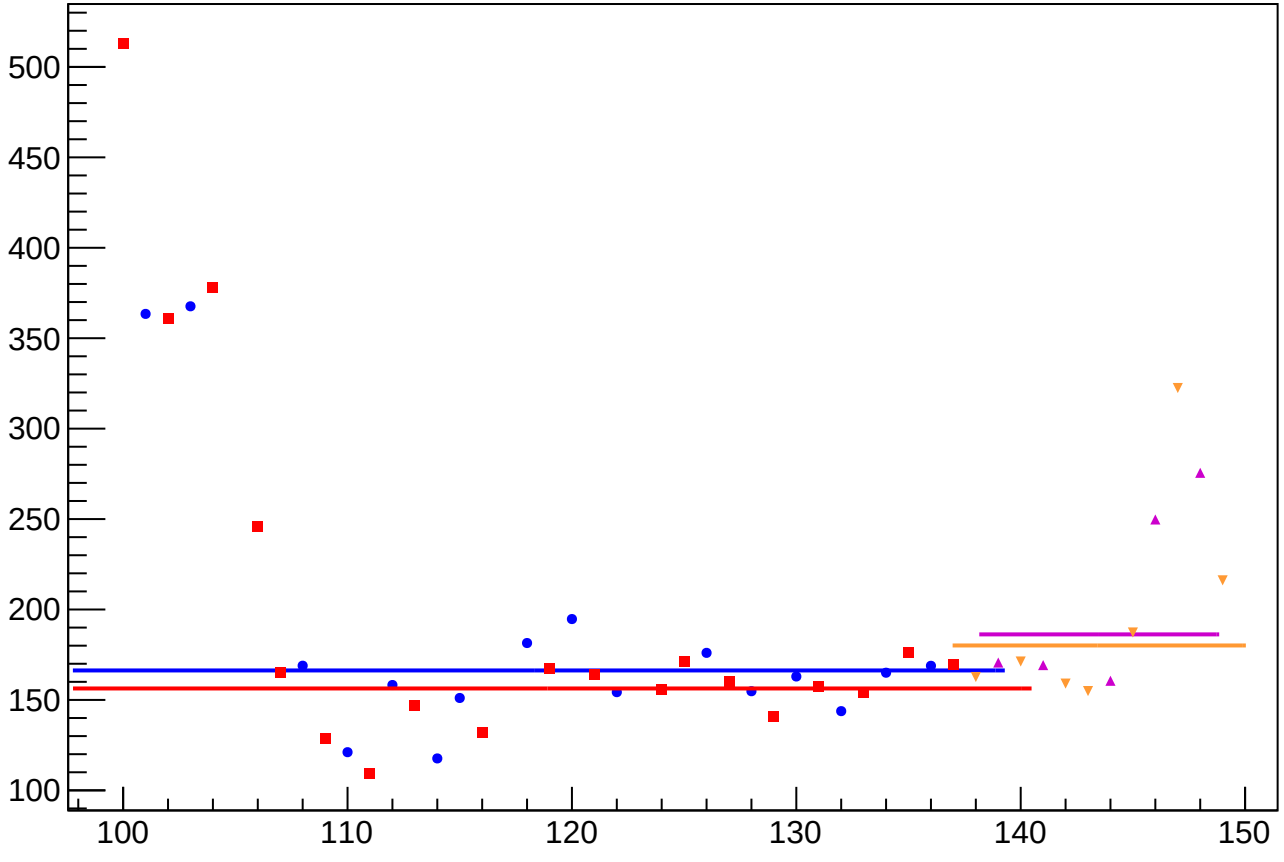
Left In: 132494.927+/-0.092 χ^2/NDF:235620267.4/4

+ sign 130652.745+/-0.051 χ^2/NDF: 3305212700.6/

All: 130608.576+/-0.036 χ^2/NDF: 59555062

- 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: 180.112+/-0.057 χ^2/NDF:444398.9/6

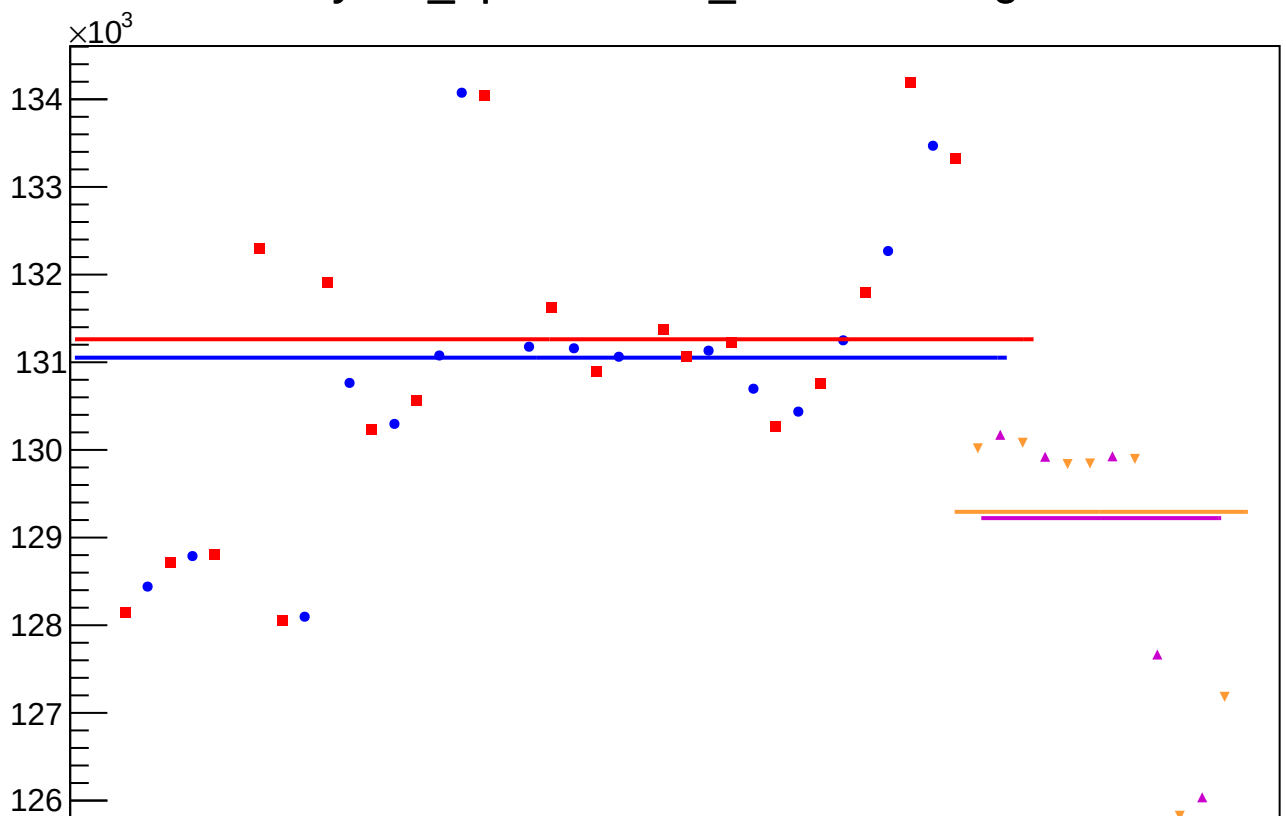
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 186.240+/-0.065 χ^2/NDF:359120.2/4

+ sign 171.844+/-0.036 χ^2/NDF: 1417271.8/22

All: 168.701+/-0.026 χ^2/NDF: 3110044.4/46

- 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: 129293.803+/-0.076 χ^2/NDF:303781087.3/6

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

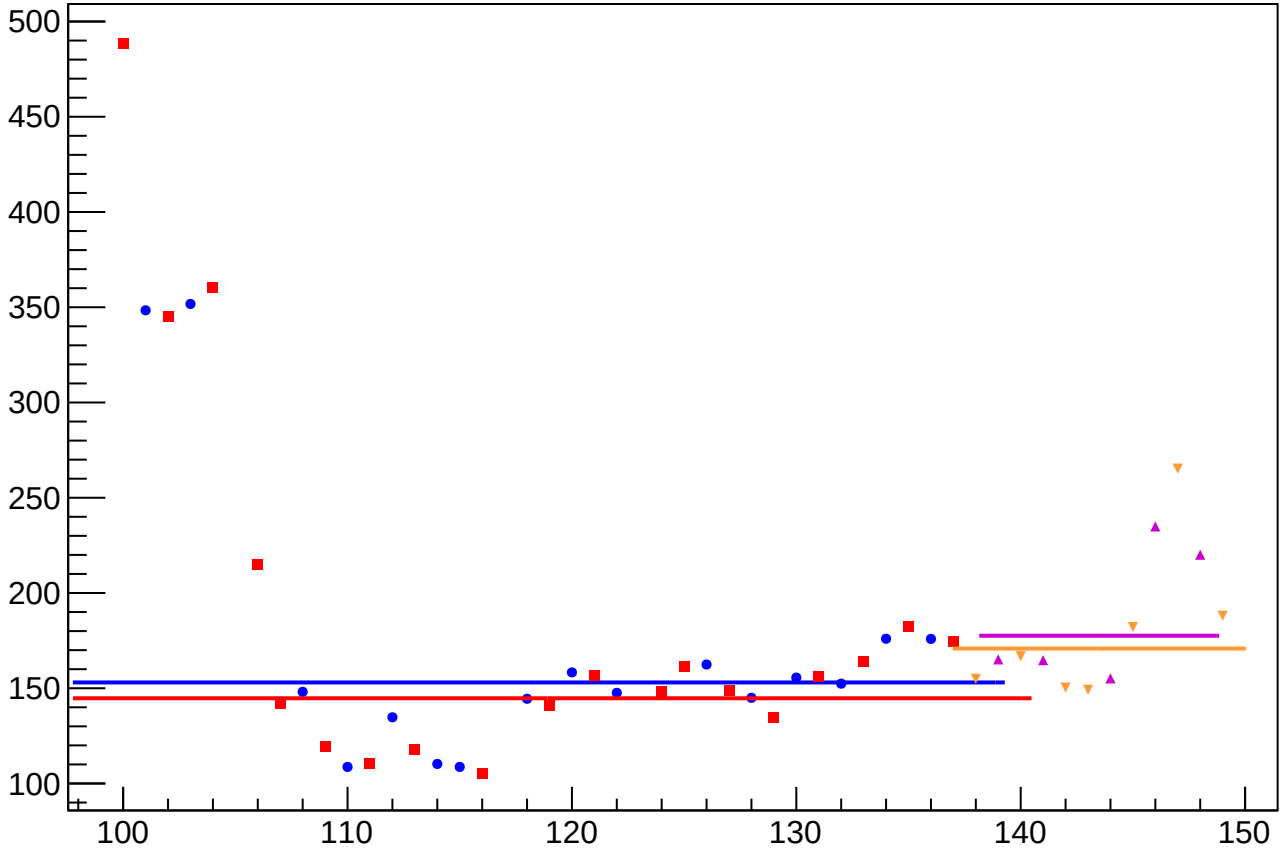
Left In: 129221.937+/-0.087 χ^2/NDF:268791241.7/4

+ sign 130367.167+/-0.047 χ^2/NDF: 1155211814.3

All: 130510.547+/-0.034 χ^2/NDF: 24327727

- 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: 170.832+/-0.054 χ^2/NDF:293525.5/6

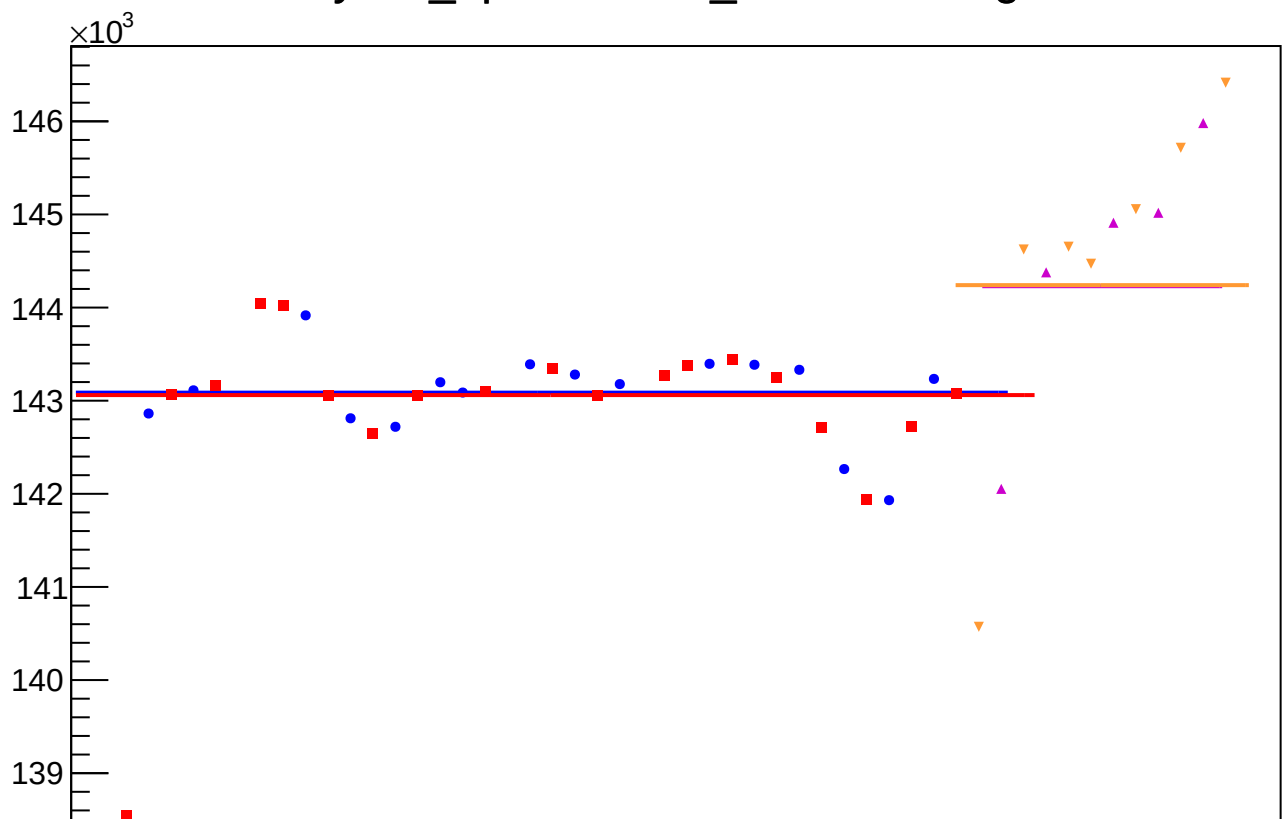
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 177.574+/-0.062 χ^2/NDF:221526.8/4

+ sign 159.974+/-0.033 χ^2/NDF: 1420064.9/22

All: 157.250+/-0.024 χ^2/NDF: 3118396.1/46

- sign 154.512+/-0.034 χ^2/NDF: 1685068.9/23



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144240.891+/-0.090 χ^2/NDF:435868235.5/6

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

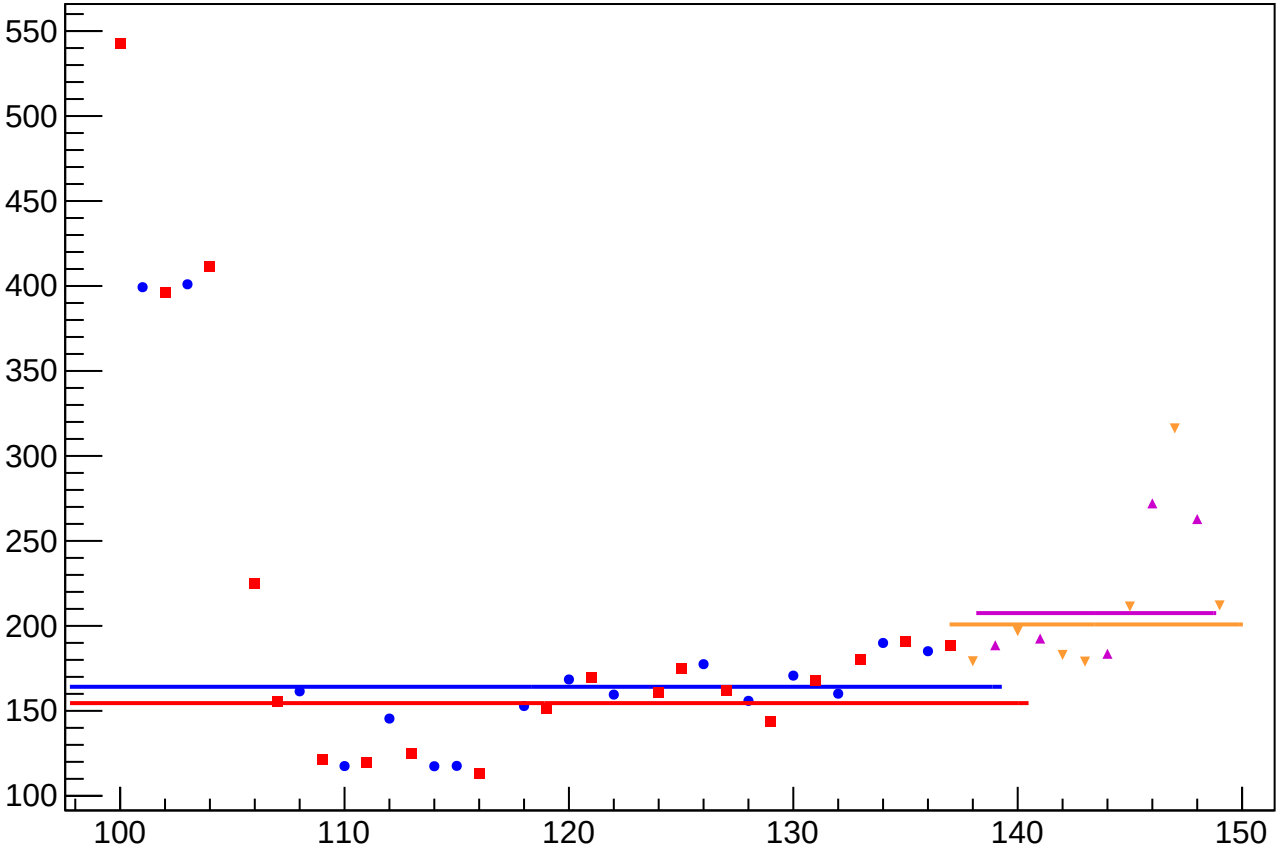
Left In: 144229.339+/-0.102 χ^2/NDF:166669714.7/4

+ sign 143485.284+/-0.053 χ^2/NDF: 591283334.7/2

All: 143424.799+/-0.037 χ^2/NDF: 90927072

- sign 143365.492+/-0.052 χ^2/NDF: 315374046.8/2

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 200.855+/-0.063 χ^2/NDF:280974.9/6

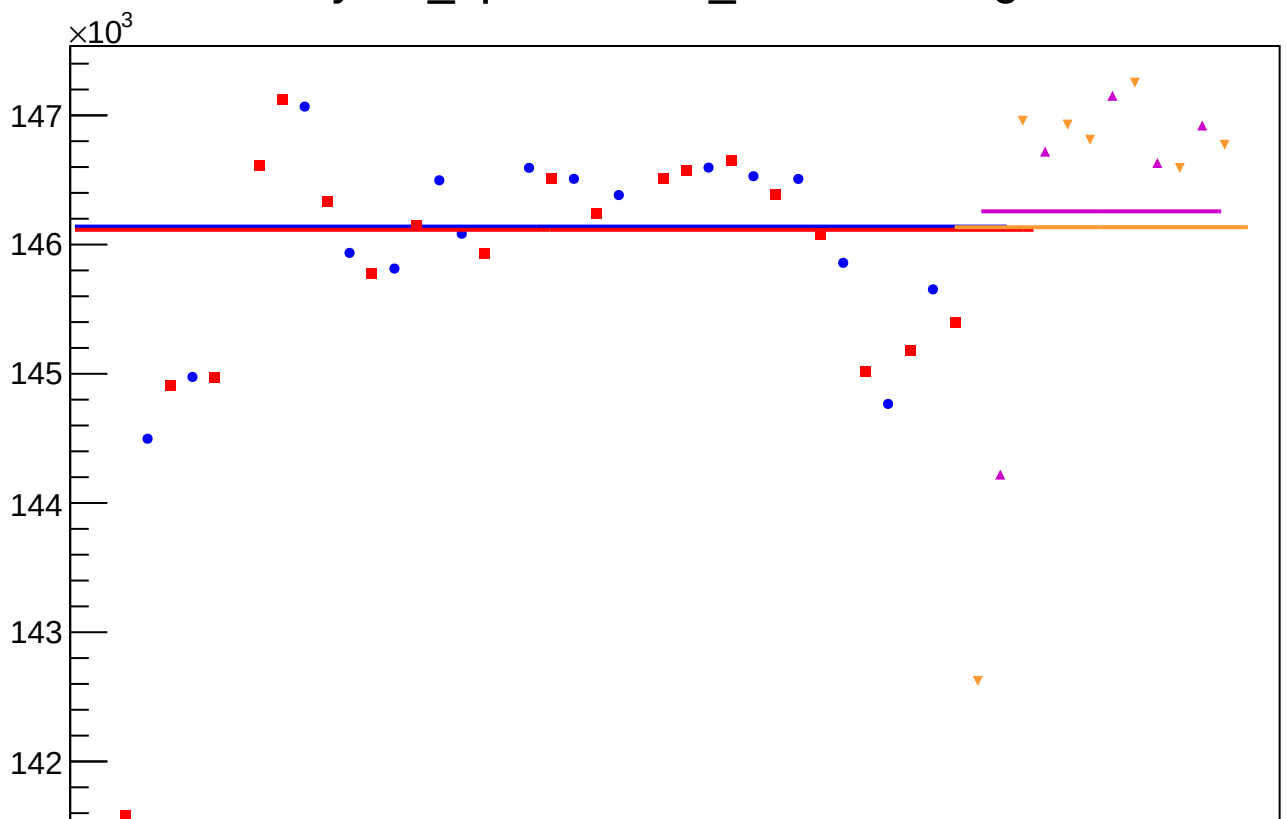
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 207.531+/-0.072 χ^2/NDF:227081.5/4

+ sign 176.841+/-0.037 χ^2/NDF: 1630300.6/22

All: 172.573+/-0.026 χ^2/NDF: 3648507.0/46

- 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: 146134.356+/-0.088 χ^2/NDF:354057769.2/6

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

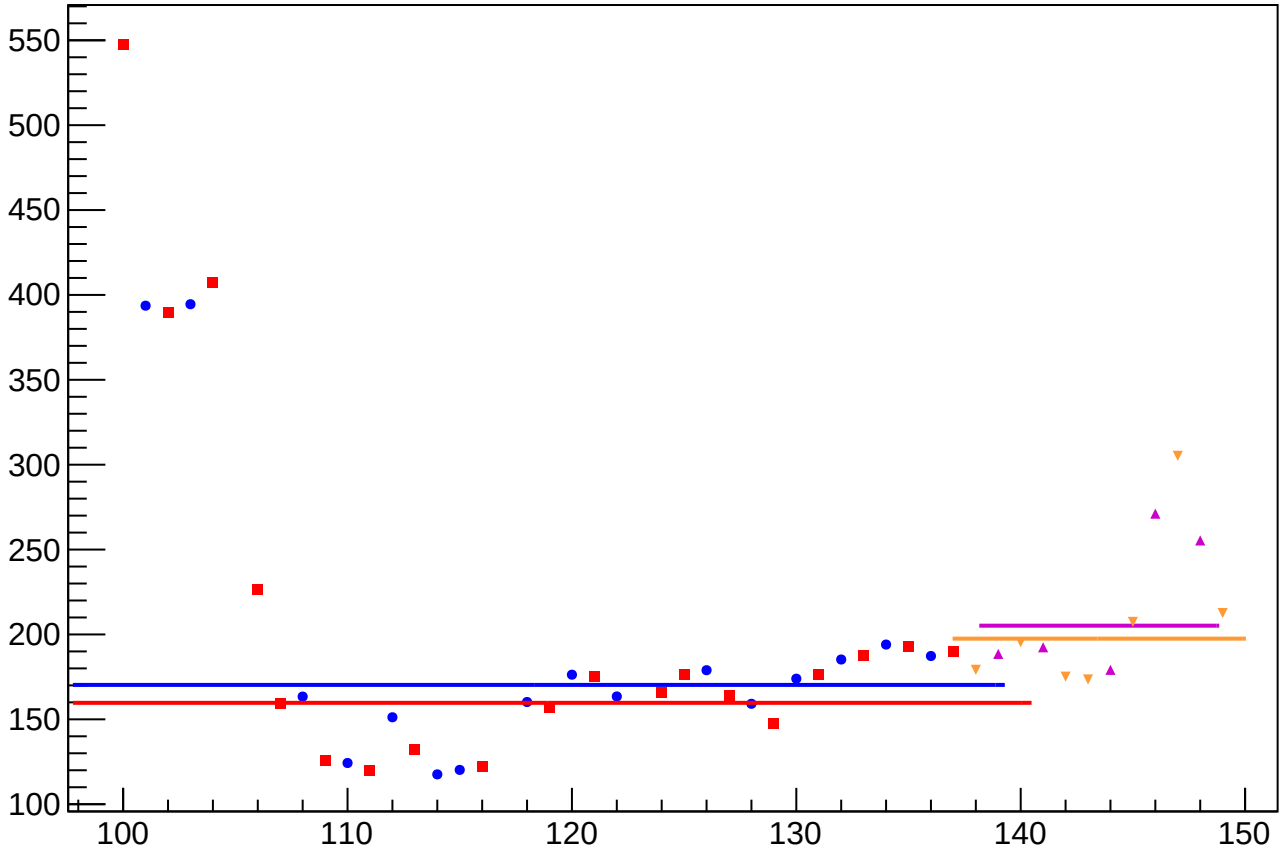
Left In: 146257.150+/-0.101 χ^2/NDF:131501648.2/4

+ sign 146137.431+/-0.053 χ^2/NDF: 425781554.4/2

All: 146145.787+/-0.038 χ^2/NDF: 631880022

- 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: 197.530+/-0.062 χ^2/NDF:276075.0/6

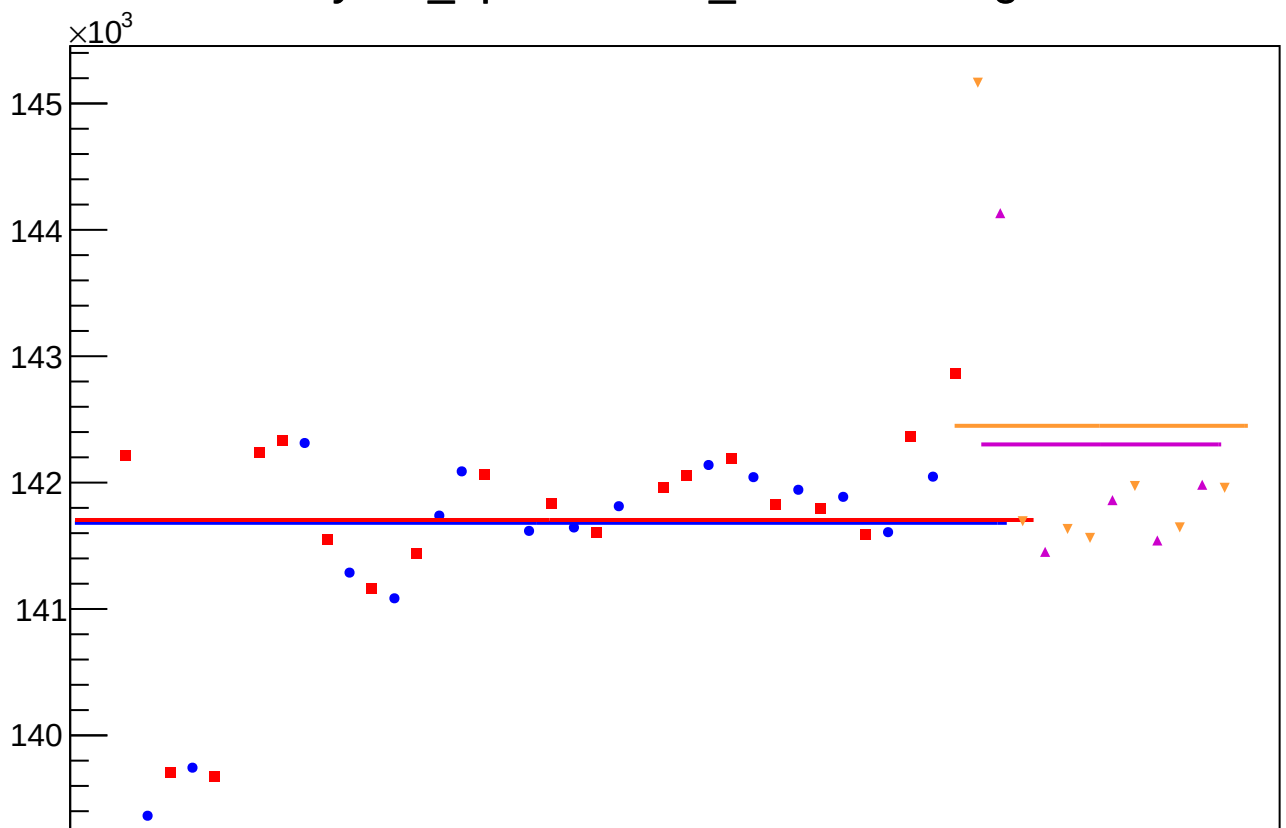
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 205.173+/-0.071 χ^2/NDF:222923.7/4

+ sign 180.360+/-0.038 χ^2/NDF: 1454685.5/22

All: 176.315+/-0.027 χ^2/NDF: 3285063.2/46

- 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: 142449.482+/-0.096 χ^2/NDF:204851920.5/6

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

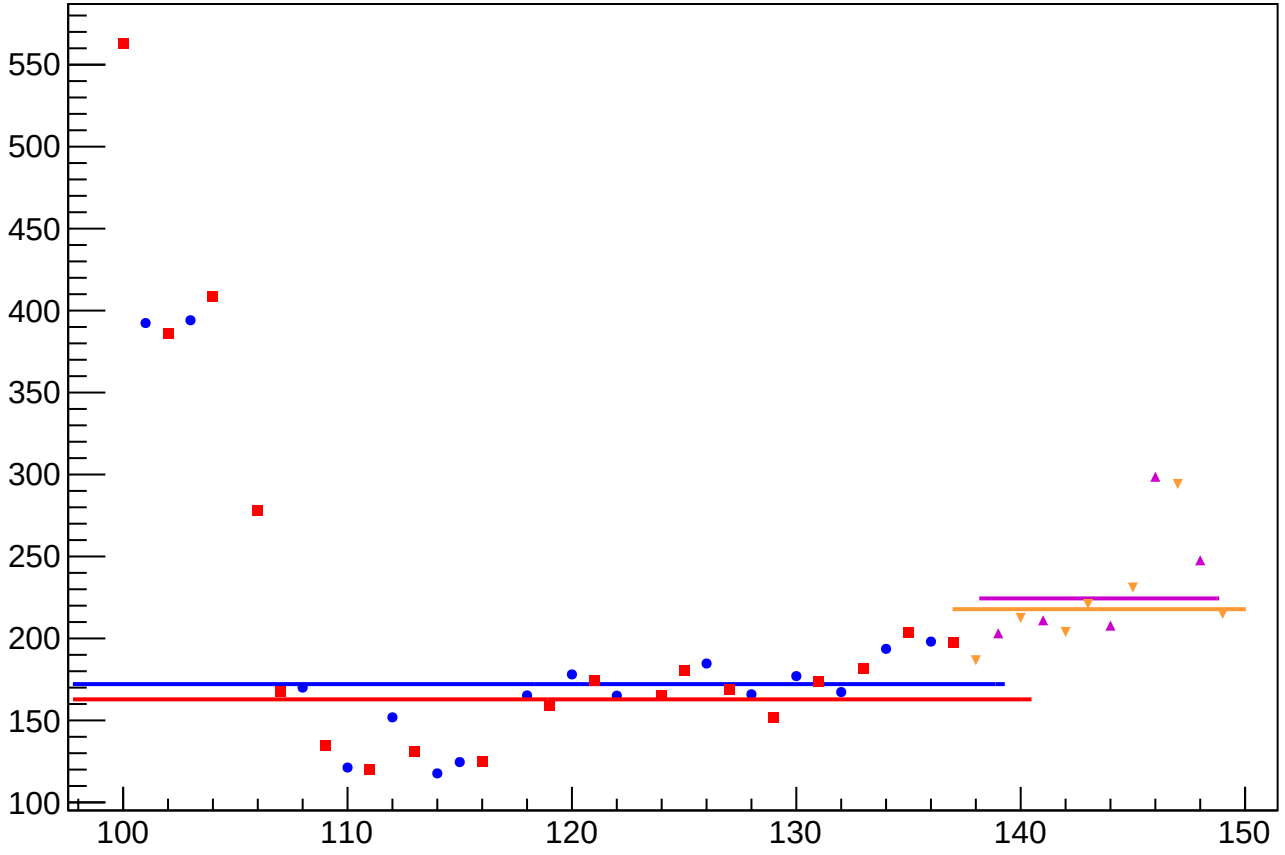
Left In: 142302.098+/-0.110 χ^2/NDF:92690511.0/4

+ sign 141939.048+/-0.056 χ^2/NDF: 311506451.9/2

All: 141896.610+/-0.039 χ^2/NDF: 49302380

- 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: 217.858+/-0.068 χ^2/NDF:163805.7/6

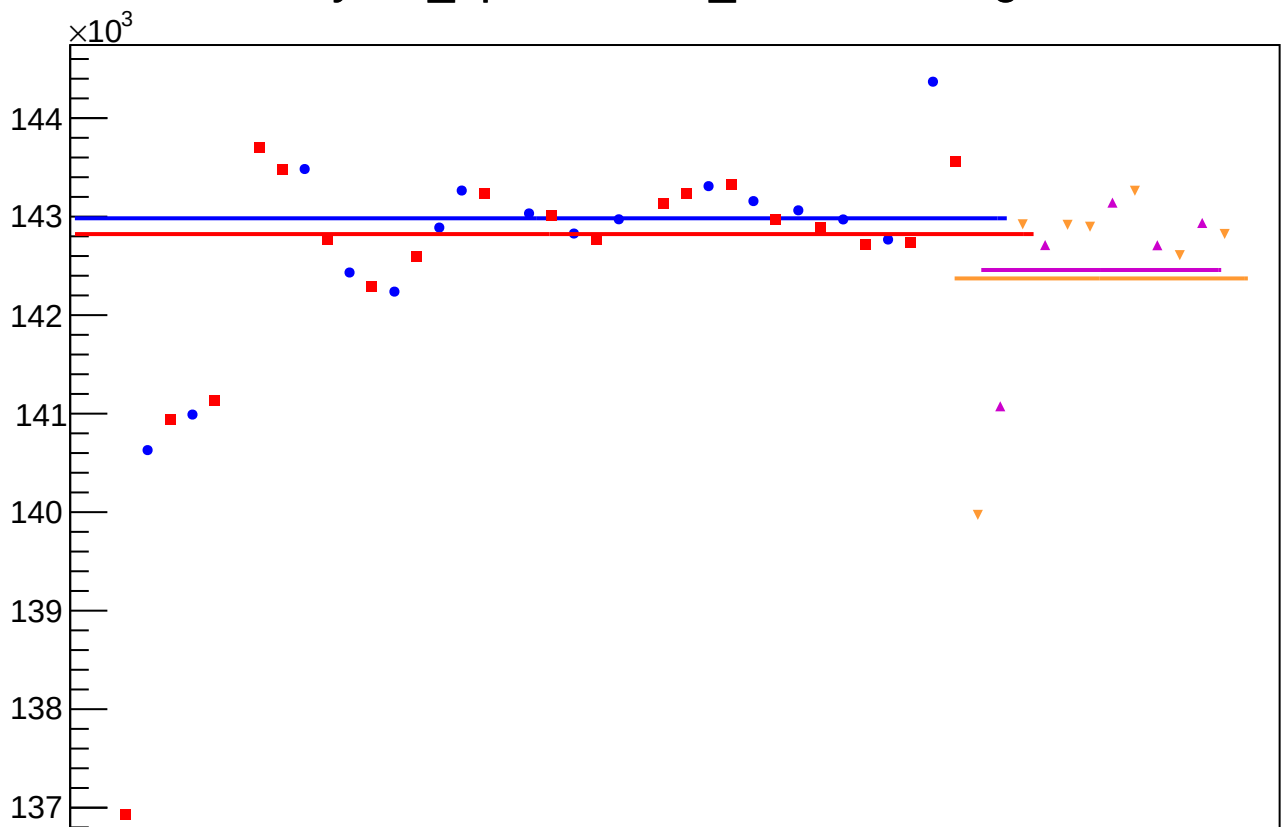
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 224.421+/-0.078 χ^2/NDF:158015.5/4

+ sign 187.457+/-0.039 χ^2/NDF: 1532917.0/22

All: 182.872+/-0.028 χ^2/NDF: 3493486.1/46

- 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: 142372.543+/-0.086 χ^2/NDF:185016597.7/6

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

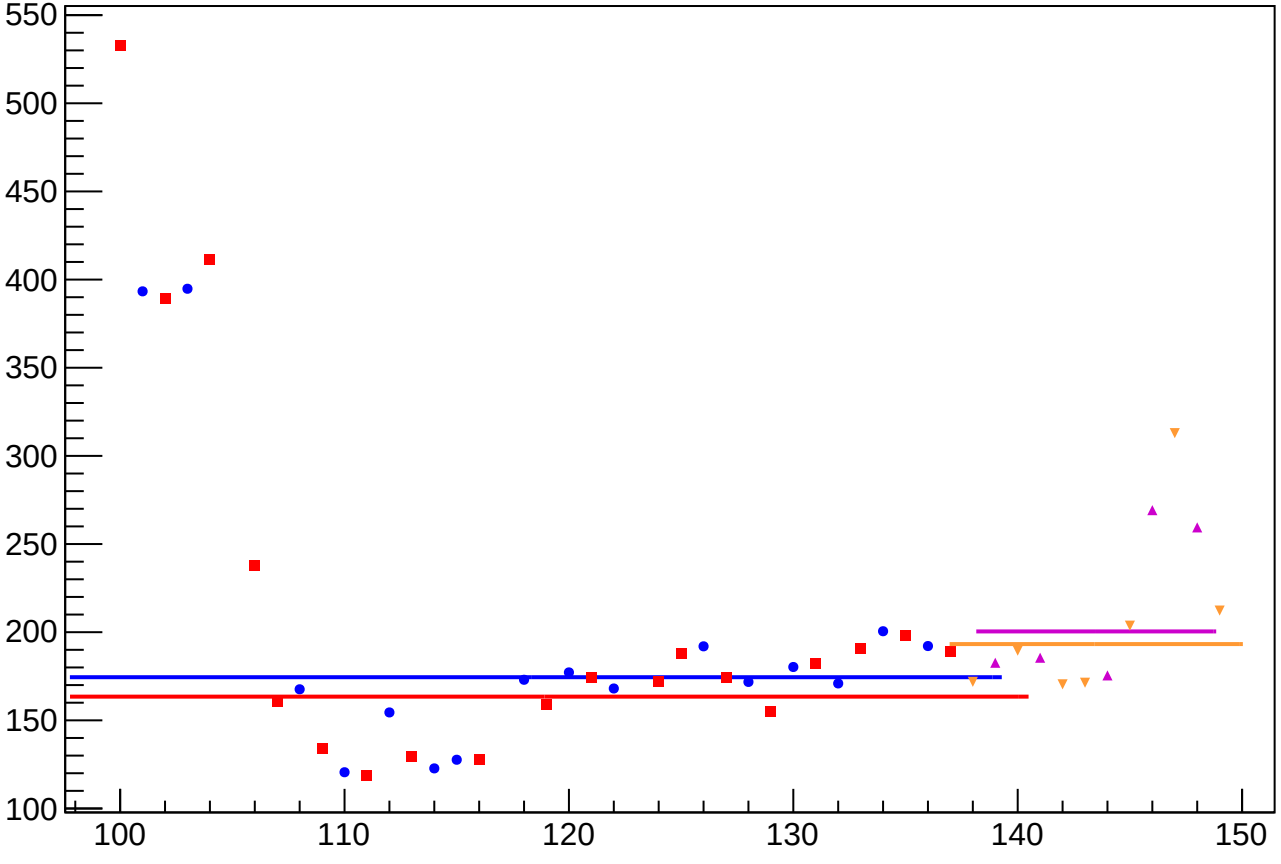
Left In: 142458.226+/-0.099 χ^2/NDF:66421630.7/4

+ sign 142743.756+/-0.054 χ^2/NDF: 323291763.9/2

All: 142729.152+/-0.038 χ^2/NDF: 46304290

- 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: 193.258+/-0.061 χ^2/NDF:322384.1/6

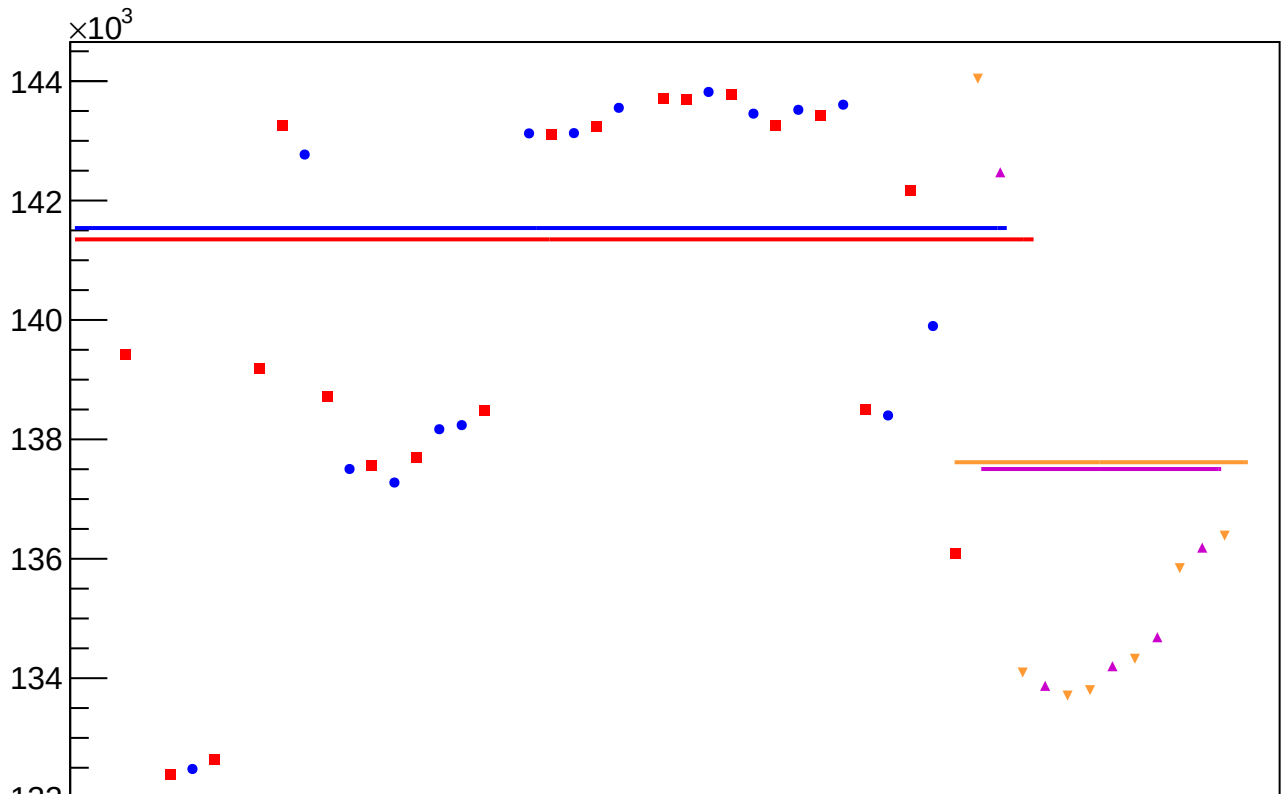
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 200.433+/-0.070 χ^2/NDF:259886.2/4

+ sign 181.831+/-0.038 χ^2/NDF: 1429457.8/22

All: 178.110+/-0.027 χ^2/NDF: 3188687.6/46

- 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: 137616.966+/-0.135 χ^2/NDF:1065285075.6/6

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

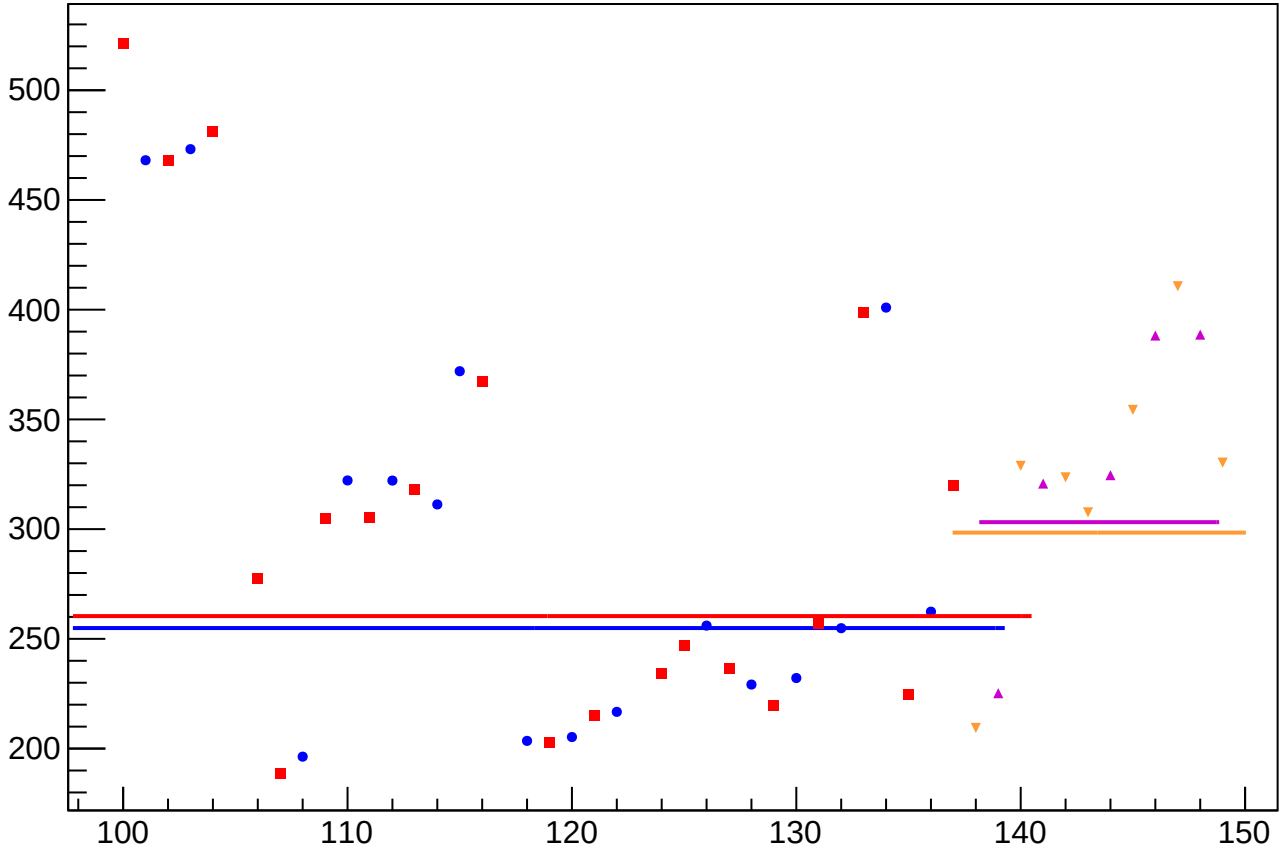
Left In: 137503.227+/-0.152 χ^2/NDF:644350751.3/4

+ sign 140136.261+/-0.081 χ^2/NDF: 2554620578.1/

All: 140153.525+/-0.058 χ^2/NDF: 45691203

- 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: 298.408+/-0.096 χ^2/NDF:465836.9/6

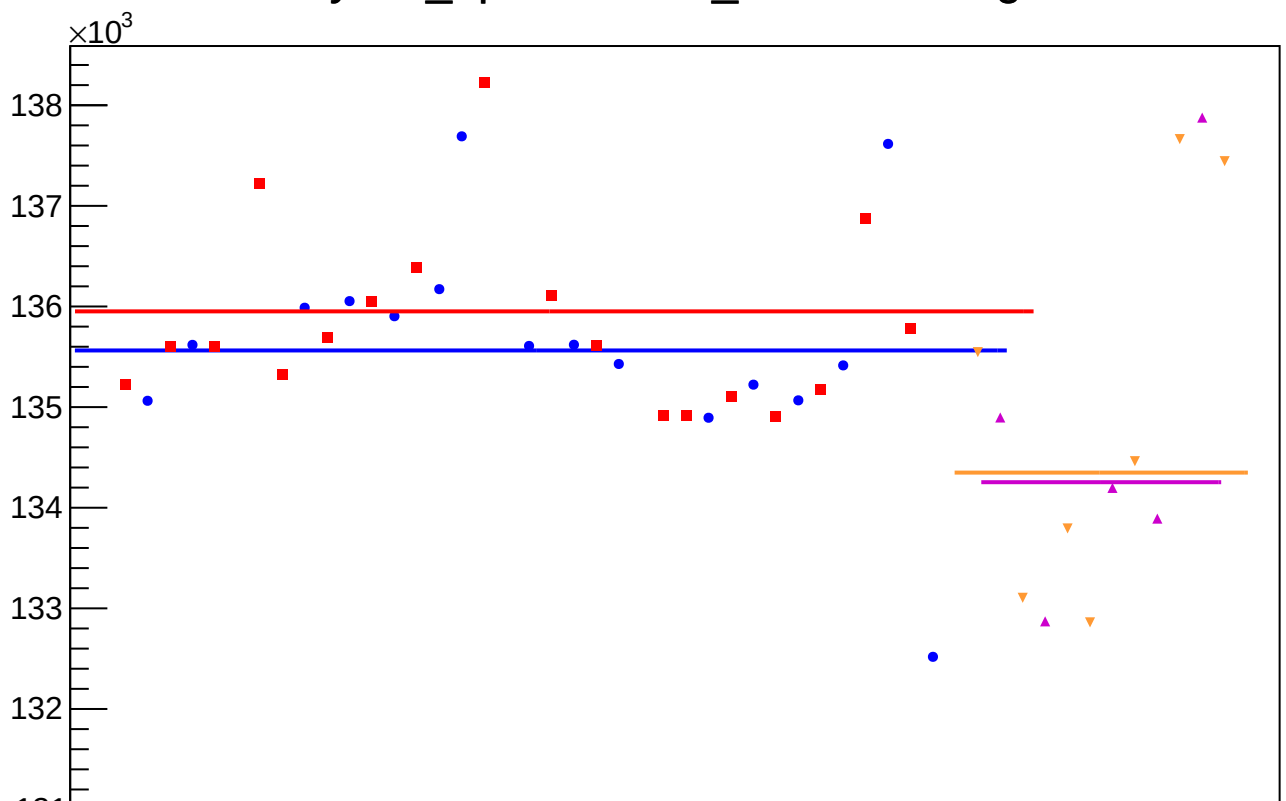
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 303.178+/-0.108 χ^2/NDF:363935.9/4

+ sign 270.477+/-0.057 χ^2/NDF: 1548937.6/22

All: 271.912+/-0.041 χ^2/NDF: 3017345.6/46

- 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: 134349.220+/-0.097 χ^2/NDF:232189623.5/6

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

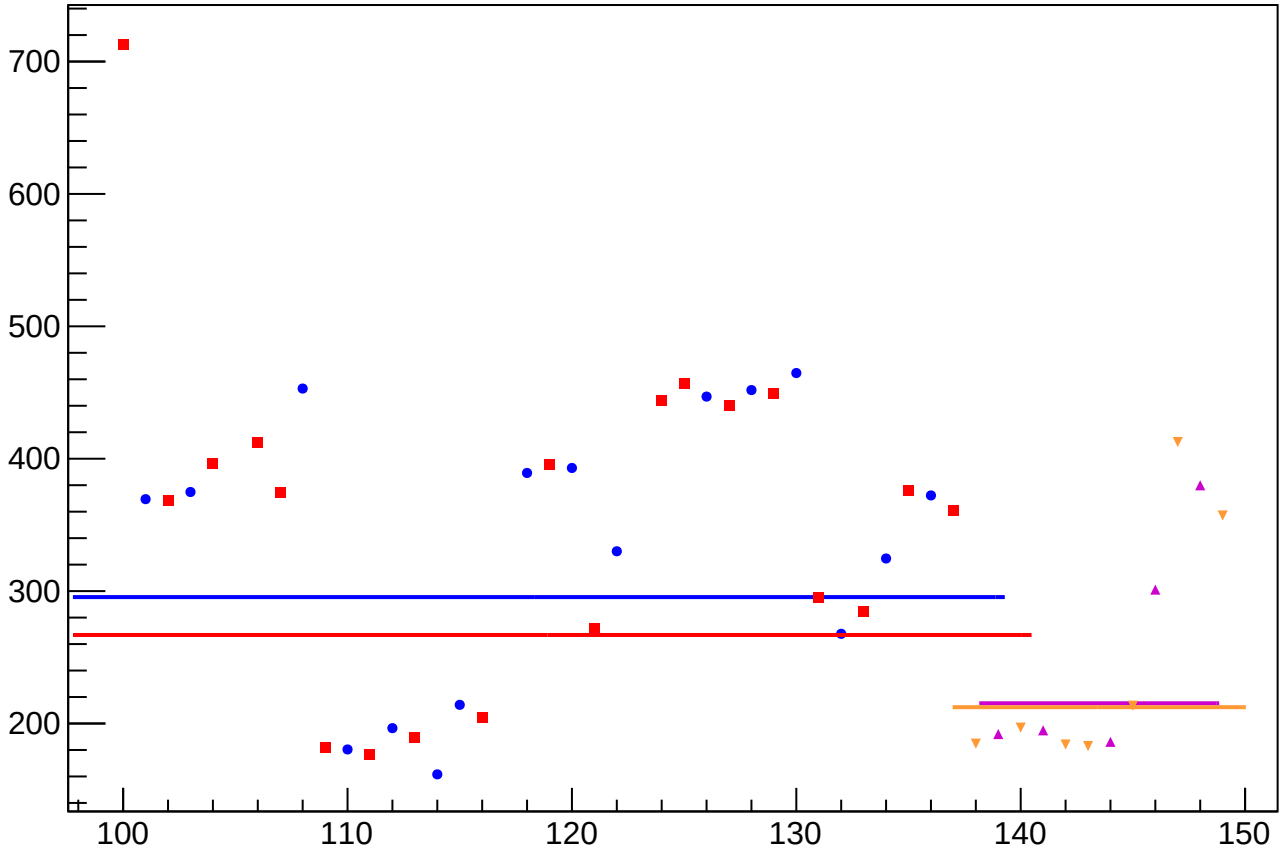
Left In: 134253.764+/-0.109 χ^2/NDF:128389198.6/4

+ sign 134838.686+/-0.075 χ^2/NDF: 389130176.8/2

All: 134977.729+/-0.053 χ^2/NDF: 74085198

- 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: 212.316+/-0.069 χ^2/NDF:764399.7/6

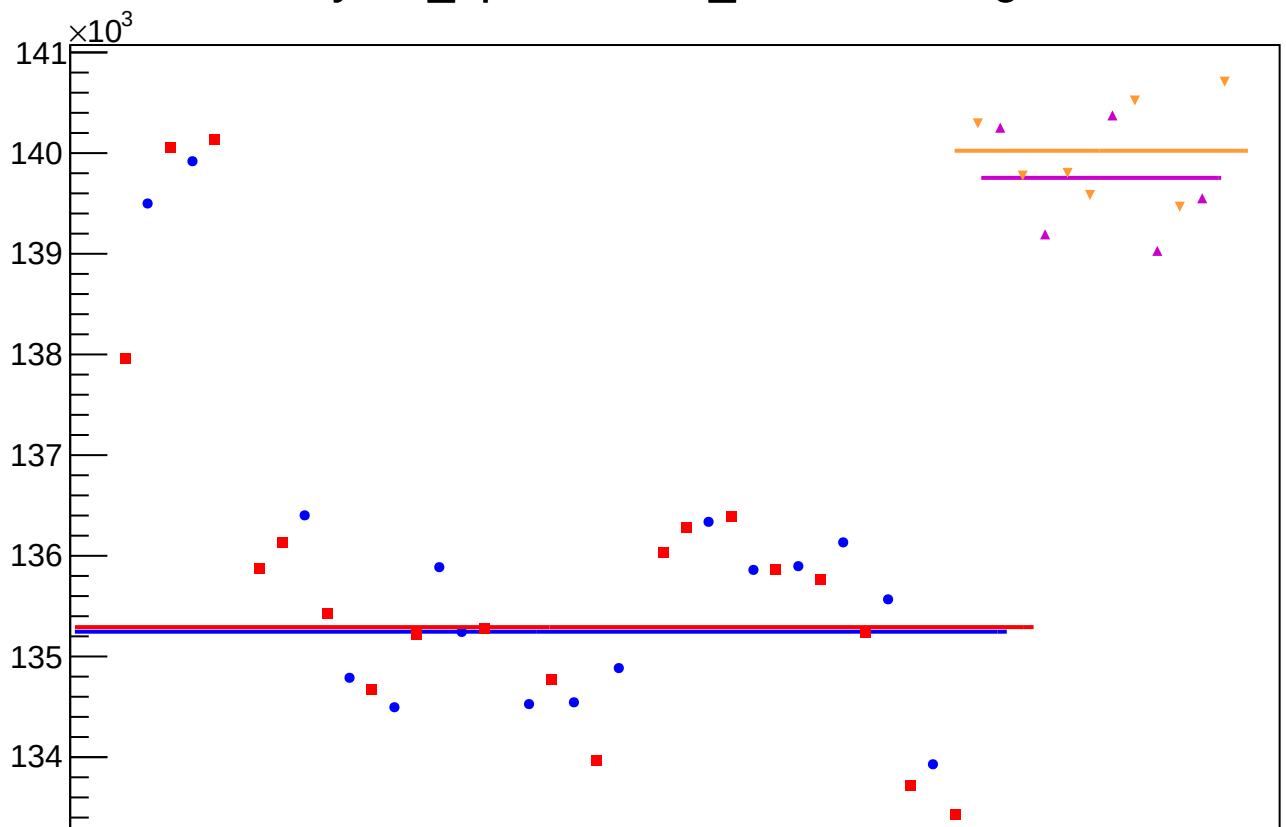
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 215.280+/-0.077 χ^2/NDF:529542.9/4

+ sign 245.851+/-0.053 χ^2/NDF: 2796259.0/22

All: 243.744+/-0.038 χ^2/NDF: 5237548.7/46

- sign 241.593+/-0.054 χ^2/NDF: 2438113.2/23



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 140023.574+/-0.085 χ^2/NDF:26364424.5/6

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

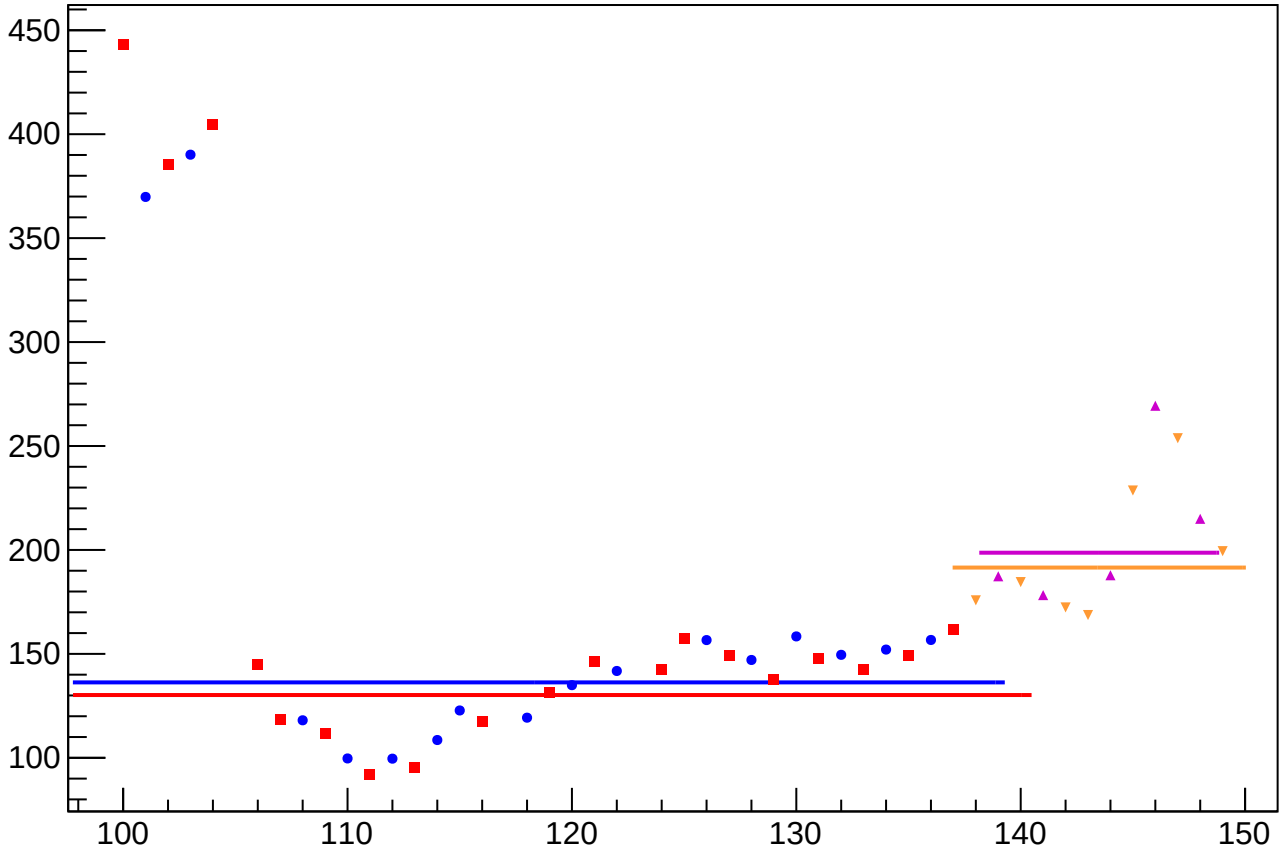
Left In: 139753.956+/-0.097 χ^2/NDF:30952496.1/4

+ sign 136642.365+/-0.046 χ^2/NDF: 2642042992.4

All: 136456.189+/-0.032 χ^2/NDF: 47214373

- sign 136272.646+/-0.046 χ^2/NDF: 2046916535.4/

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 191.525+/-0.060 χ^2/NDF:191490.0/6

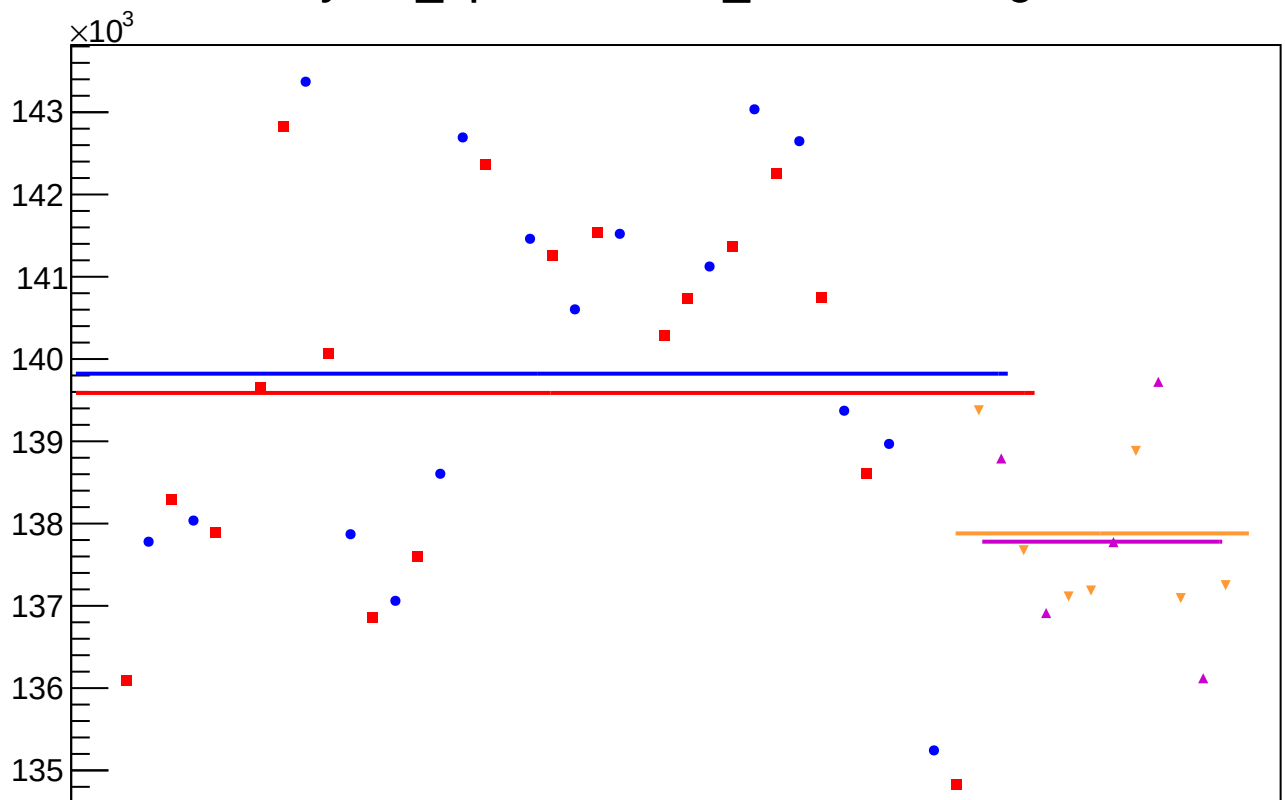
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 198.669+/-0.069 χ^2/NDF:159664.7/4

+ sign 152.428+/-0.033 χ^2/NDF: 2171135.0/22

All: 148.816+/-0.023 χ^2/NDF: 4645509.9/46

- 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: 137880.332+/-0.085 χ^2/NDF:111441743.9/6

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

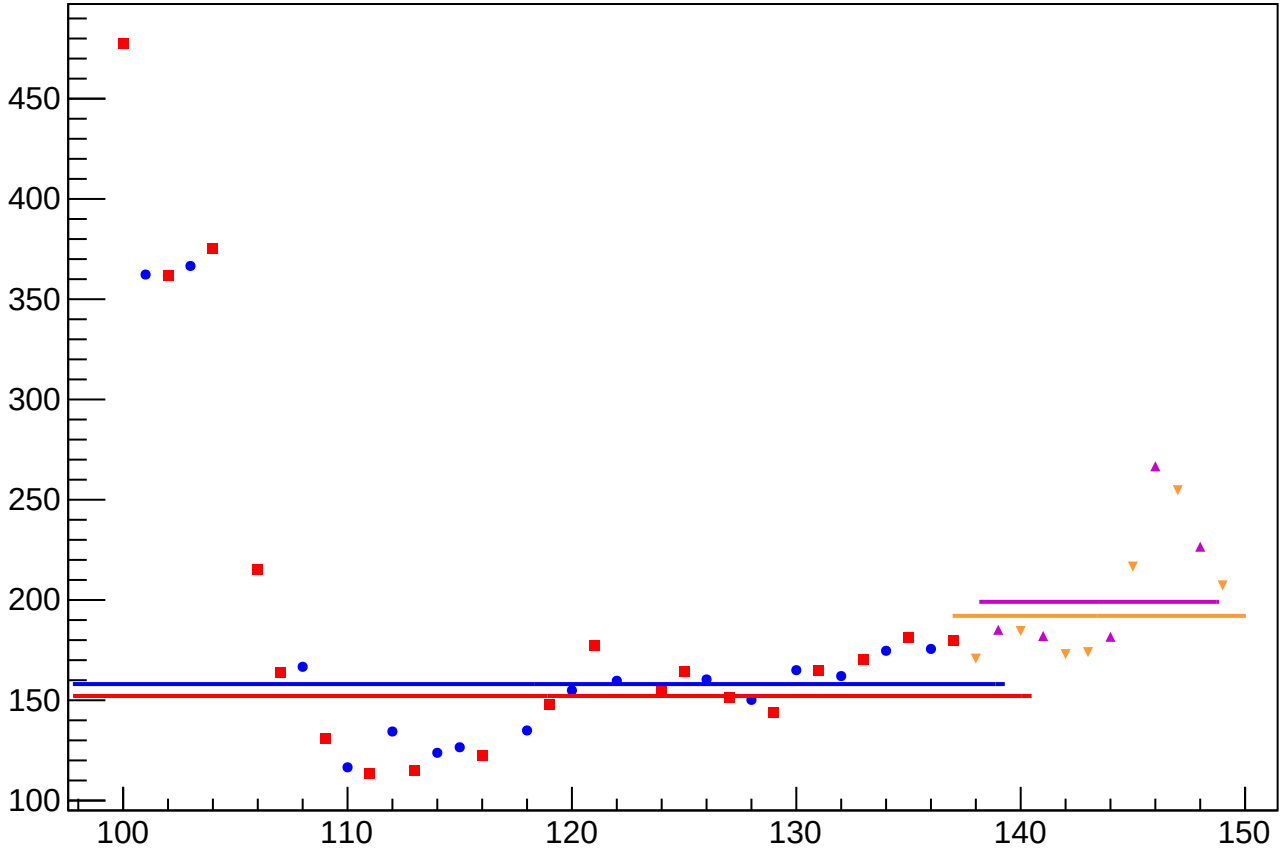
Left In: 137780.012+/-0.098 χ^2/NDF:133033435.5/4

+ sign 139142.867+/-0.050 χ^2/NDF: 2111490675.1

All: 139119.957+/-0.036 χ^2/NDF: 39768554

- sign 139096.592+/-0.051 χ^2/NDF: 1864948610.7/2

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 192.096+/-0.060 χ^2/NDF:179564.2/6

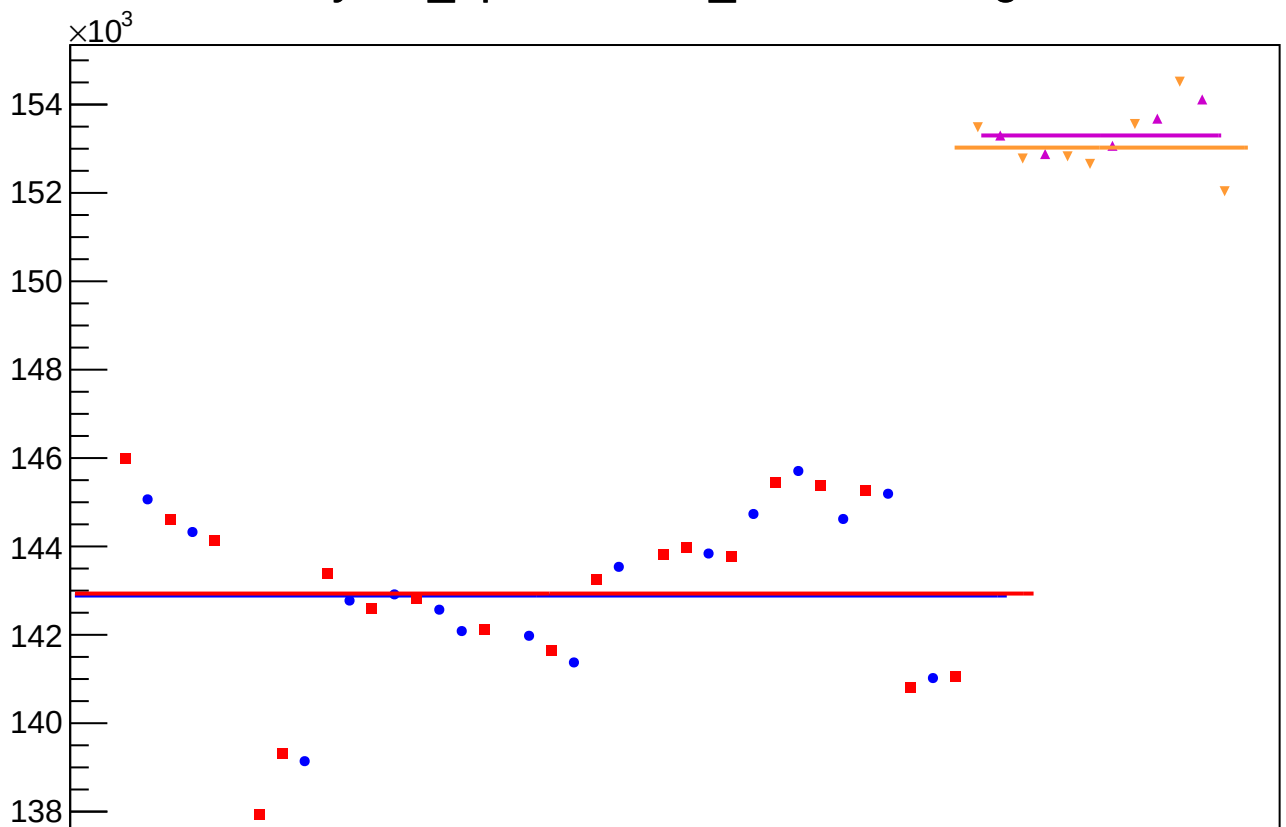
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 199.087+/-0.069 χ^2/NDF:175375.8/4

+ sign 169.979+/-0.036 χ^2/NDF: 1404136.0/22

All: 167.463+/-0.025 χ^2/NDF: 3154416.7/46

- 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: 153025.416+/-0.086 χ^2/NDF:61840214.5/6

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

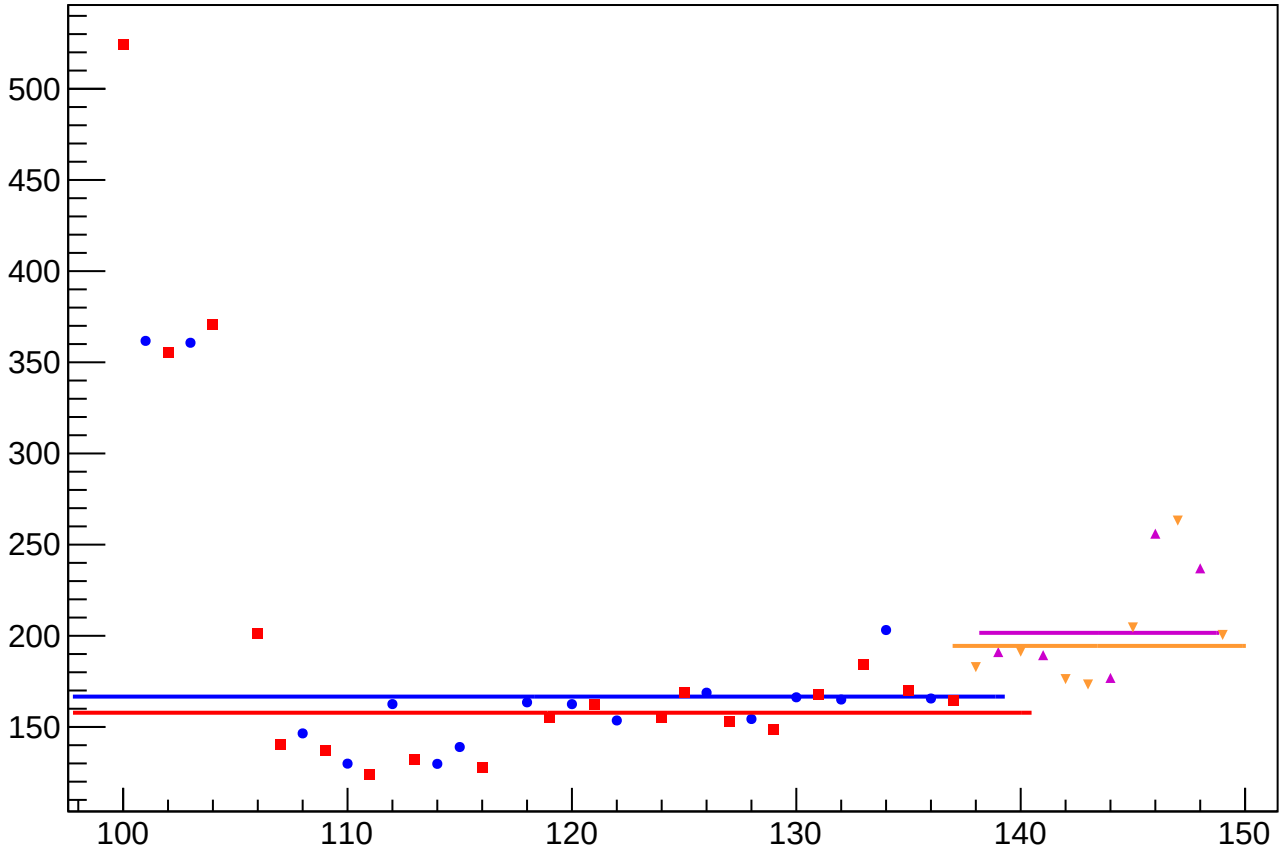
Left In: 153299.944+/-0.099 χ^2/NDF:17275656.5/4

+ sign 146617.873+/-0.052 χ^2/NDF: 9584480425.3

All: 146227.671+/-0.037 χ^2/NDF: 18449686

- 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: 194.459+/-0.061 χ^2/NDF:155626.6/6

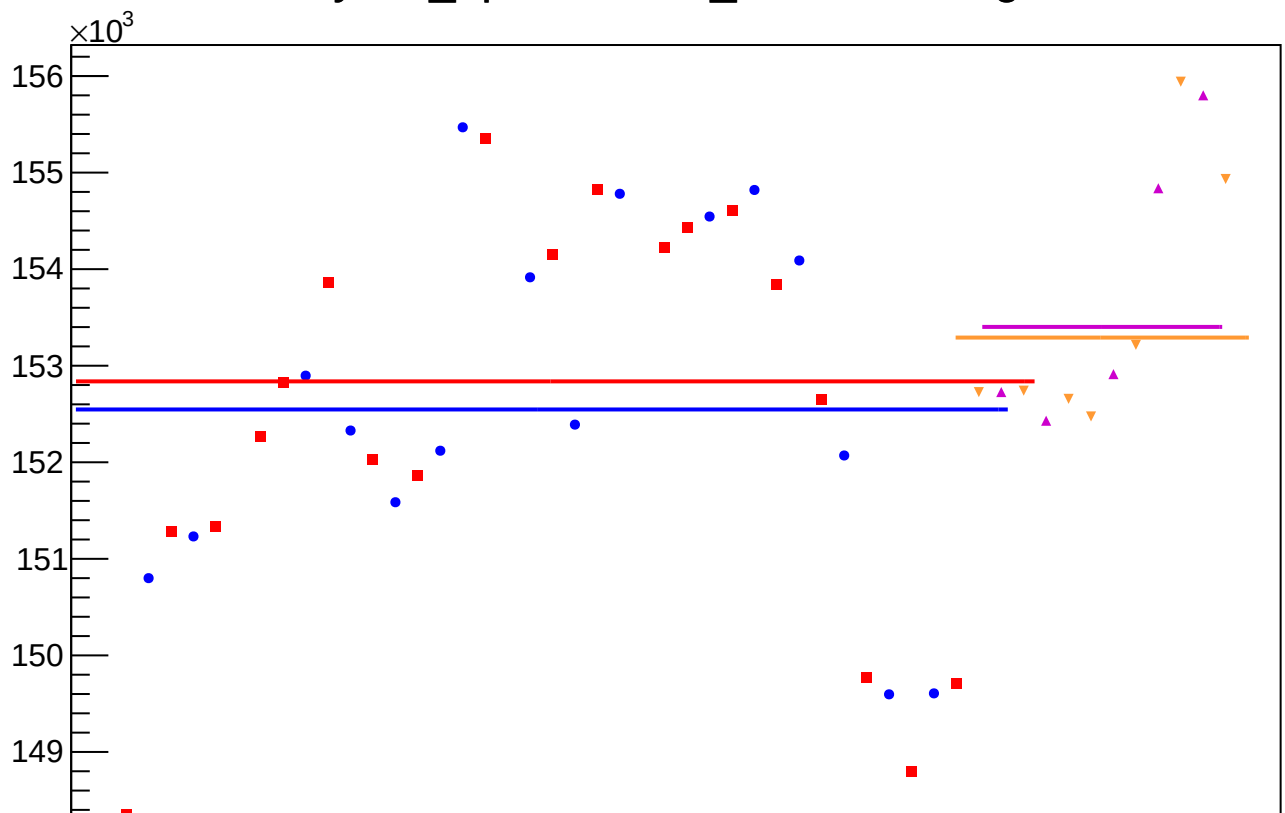
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 201.620+/-0.070 χ^2/NDF:161230.0/4

+ sign 176.883+/-0.037 χ^2/NDF: 1151003.2/22

All: 173.482+/-0.026 χ^2/NDF: 2635507.2/46

- 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: 153291.482+/-0.086 χ^2/NDF:163004599.2/6

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

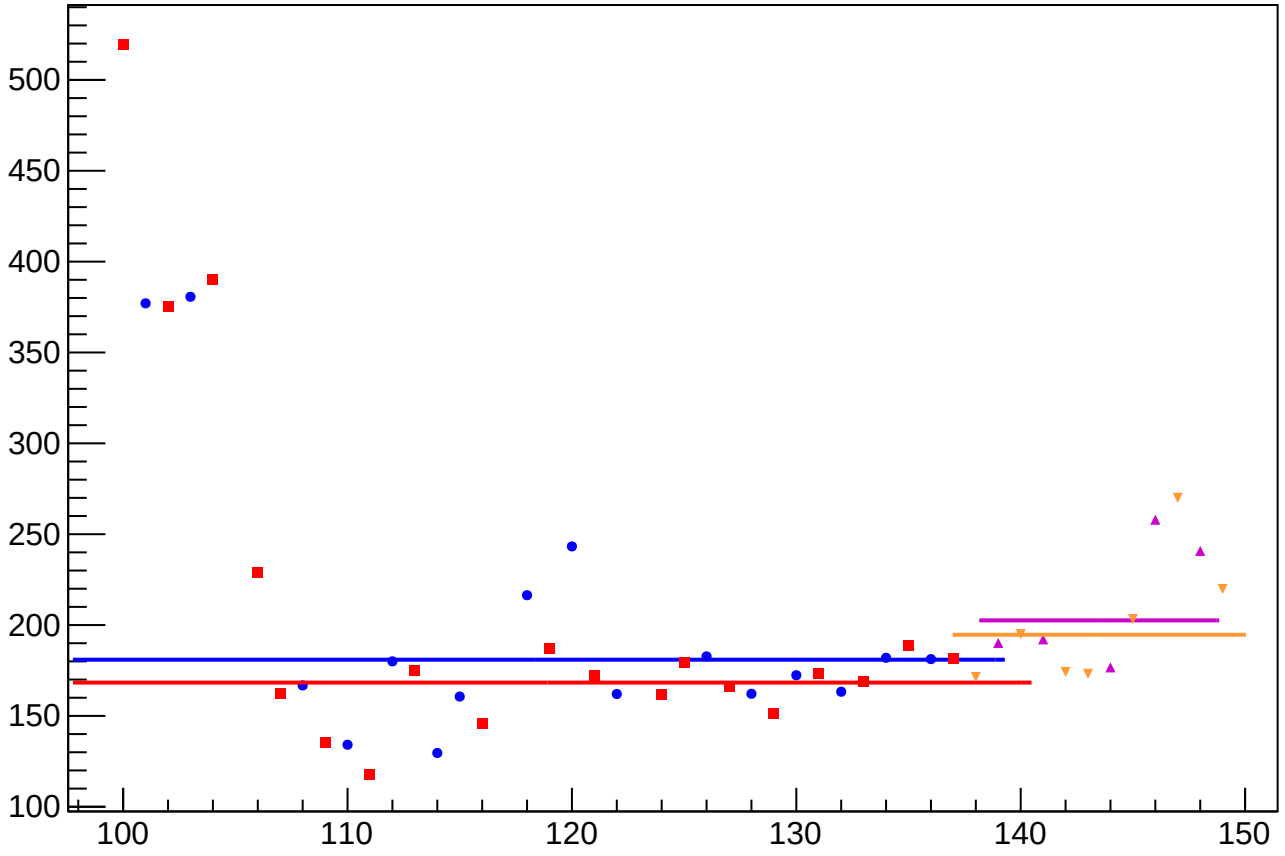
Left In: 153401.949+/-0.099 χ^2/NDF:146880568.8/4

+ sign 152855.925+/-0.056 χ^2/NDF: 861181805.0/2

All: 152935.274+/-0.039 χ^2/NDF: 17713791

- 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: 194.661+/-0.061 χ^2/NDF:216131.5/6

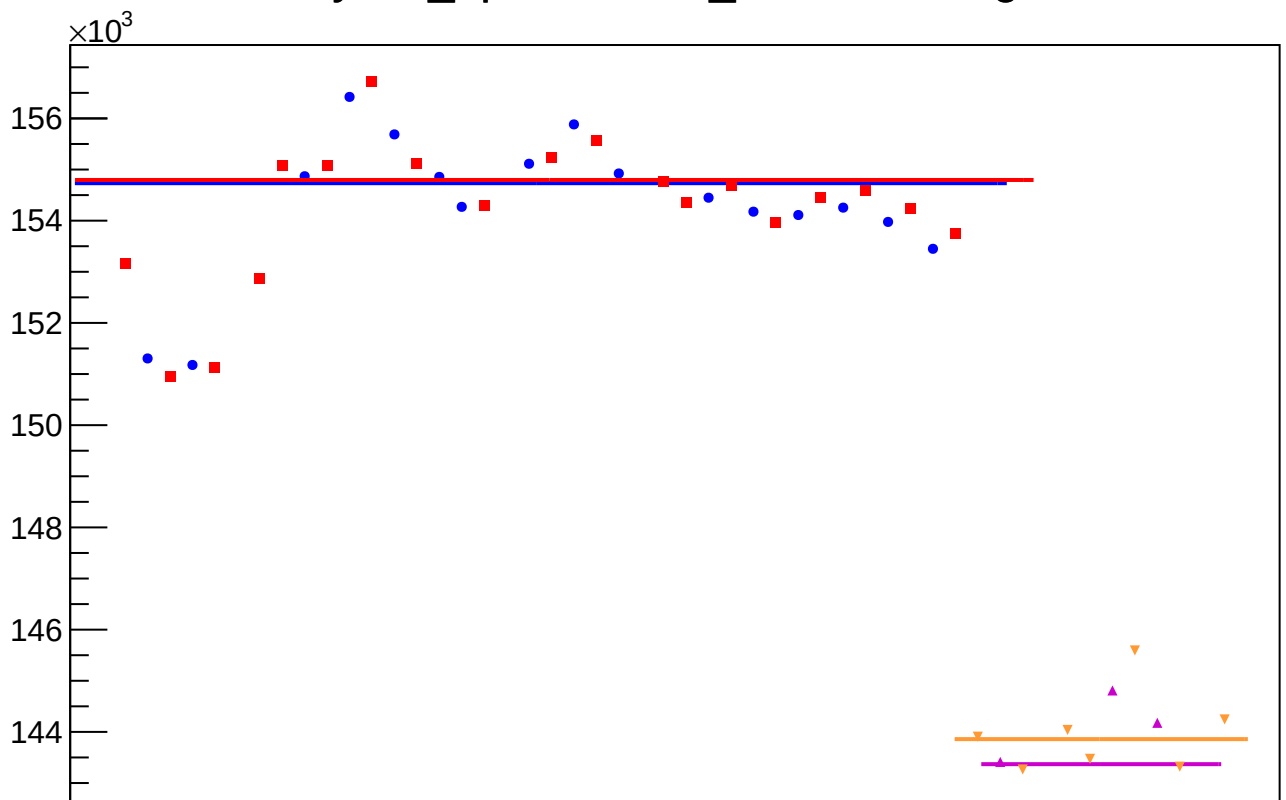
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.563+/-0.070 χ^2/NDF:171734.6/4

+ sign 186.634+/-0.039 χ^2/NDF: 1153531.9/22

All: 182.813+/-0.028 χ^2/NDF: 2597622.5/46

- 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: 143858.826+/-0.078 χ^2/NDF:73382383.9/6

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

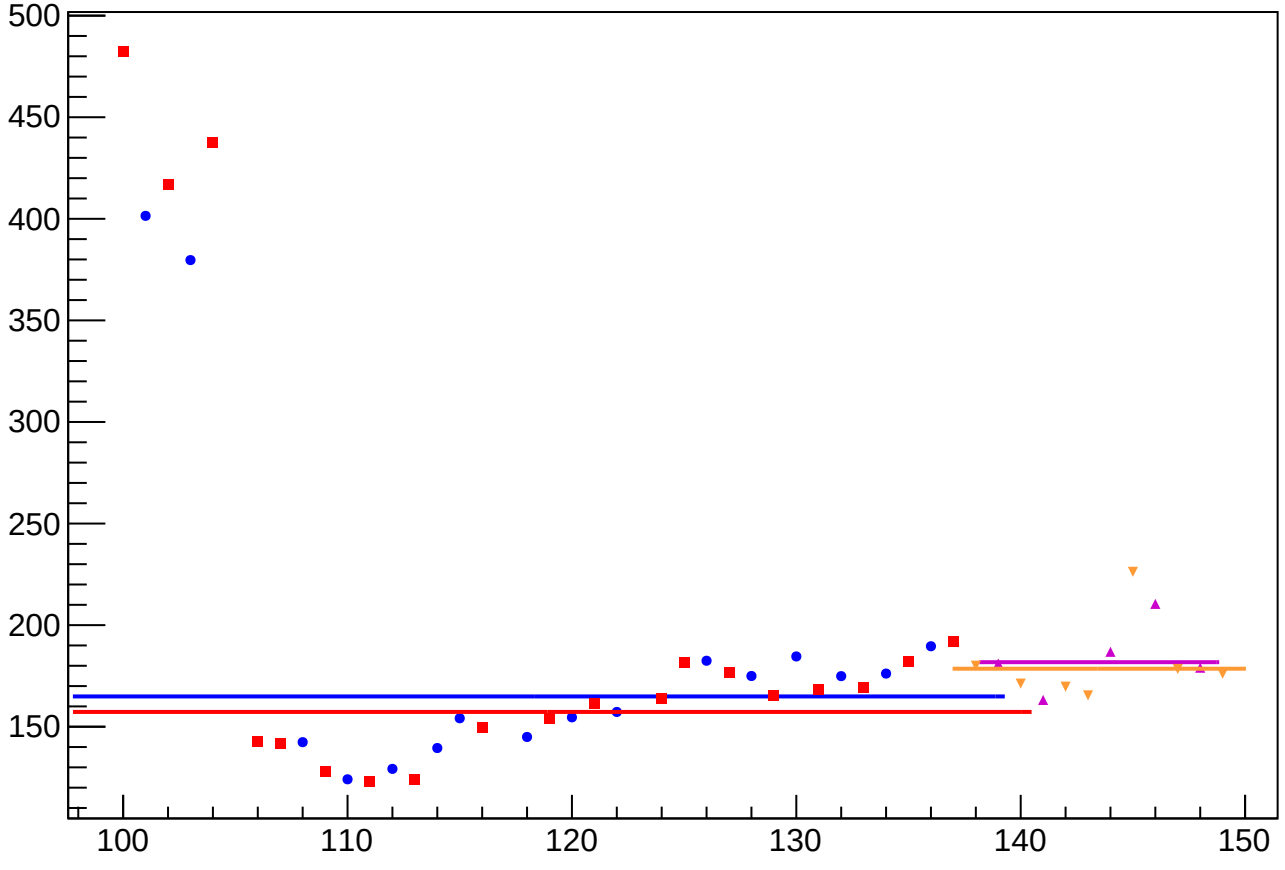
Left In: 143368.962+/-0.088 χ^2/NDF:115475633.5/4

+ sign 150276.718+/-0.050 χ^2/NDF: 11749269898.

All: 150675.428+/-0.035 χ^2/NDF: 23697696

- sign 151075.123+/-0.050 χ^2/NDF: 11821527330.

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 178.555+/-0.055 χ^2/NDF:87379.4/6

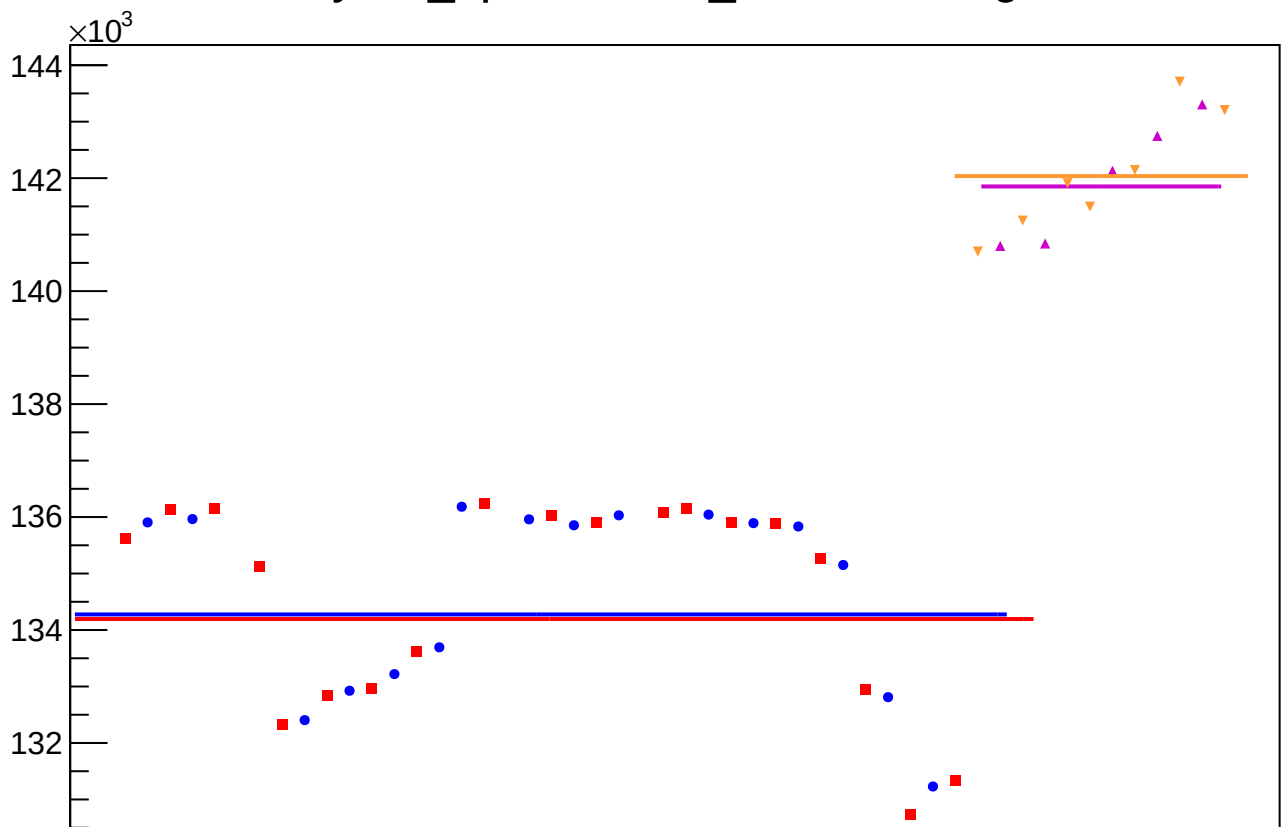
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 181.764+/-0.062 χ^2/NDF:56909.1/4

+ sign 170.500+/-0.035 χ^2/NDF: 1196034.5/22

All: 167.880+/-0.025 χ^2/NDF: 2623397.7/46

- 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: 142036.527+/-0.077 χ^2/NDF:178332372.4/6

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

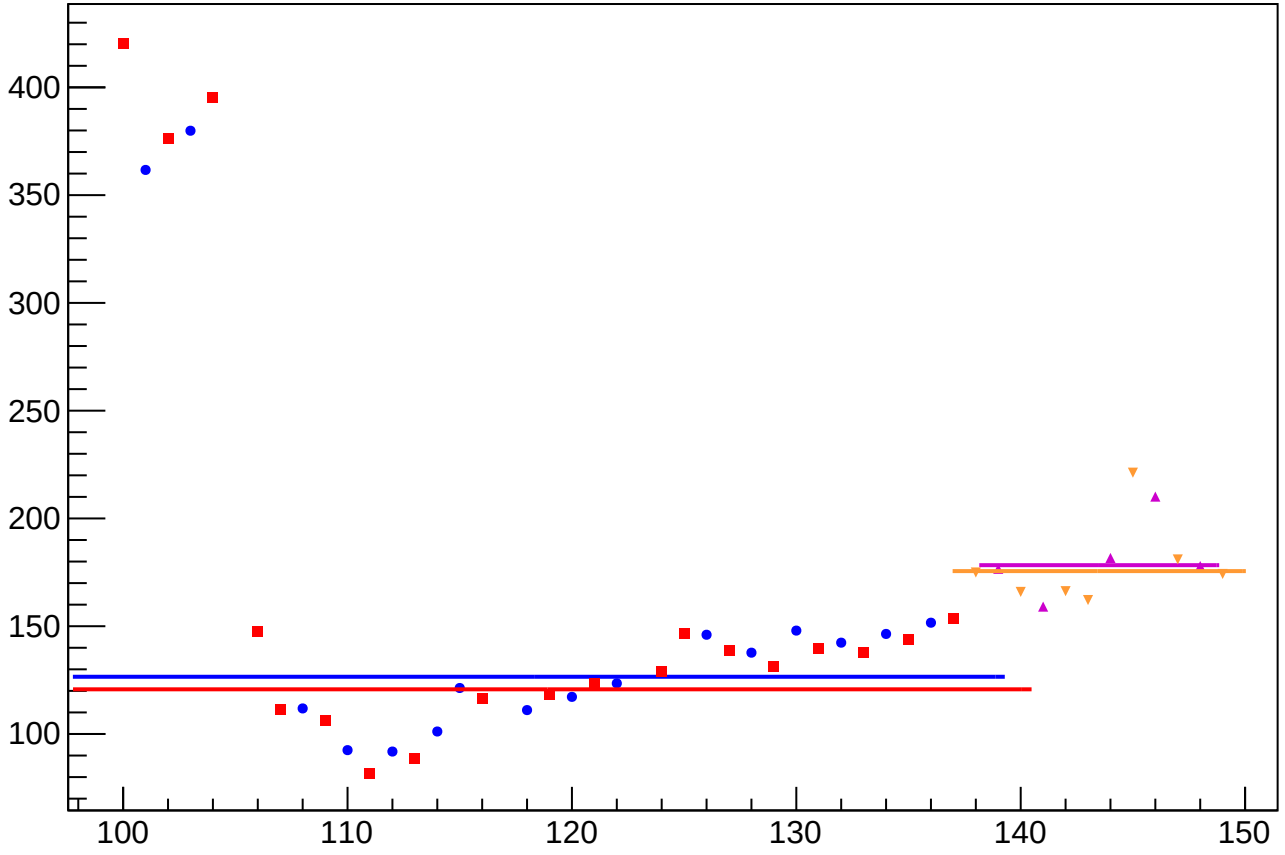
Left In: 141852.963+/-0.086 χ^2/NDF:137811132.7/4

+ sign 136628.126+/-0.042 χ^2/NDF: 8387114846.6

All: 136310.258+/-0.030 χ^2/NDF: 15845030

- 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: 175.569+/-0.054 χ^2/NDF:89215.6/6

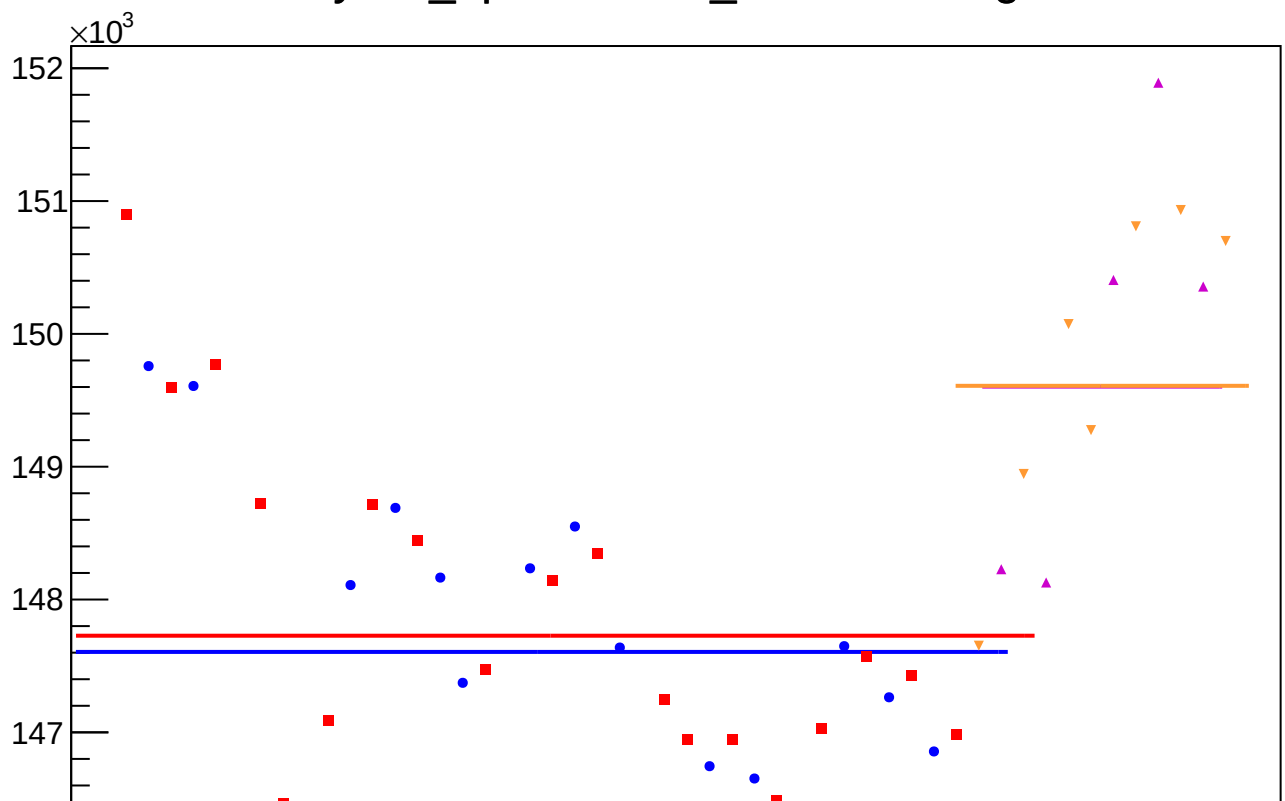
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 178.322+/-0.061 χ^2/NDF:66189.0/4

+ sign 141.407+/-0.030 χ^2/NDF: 2130468.6/22

All: 137.810+/-0.021 χ^2/NDF: 4537117.8/46

- 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: 149609.009+/-0.094 χ^2/NDF:144835436.7/6

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

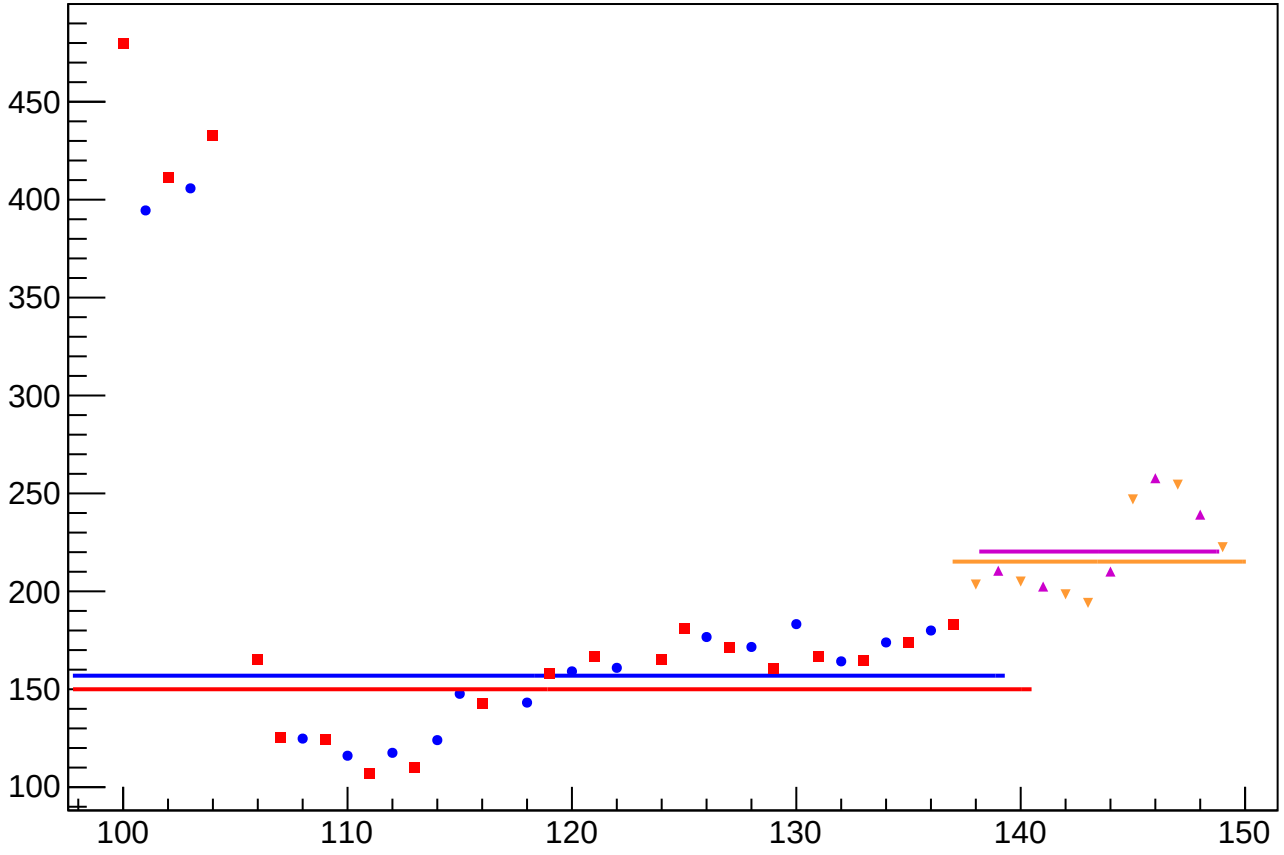
Left In: 149603.105+/-0.107 χ^2/NDF:172786997.6/4

+ sign 148216.112+/-0.052 χ^2/NDF: 658720597.7/2

All: 148191.305+/-0.037 χ^2/NDF: 12640406

- 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: 215.179+/-0.067 χ^2/NDF:101420.3/6

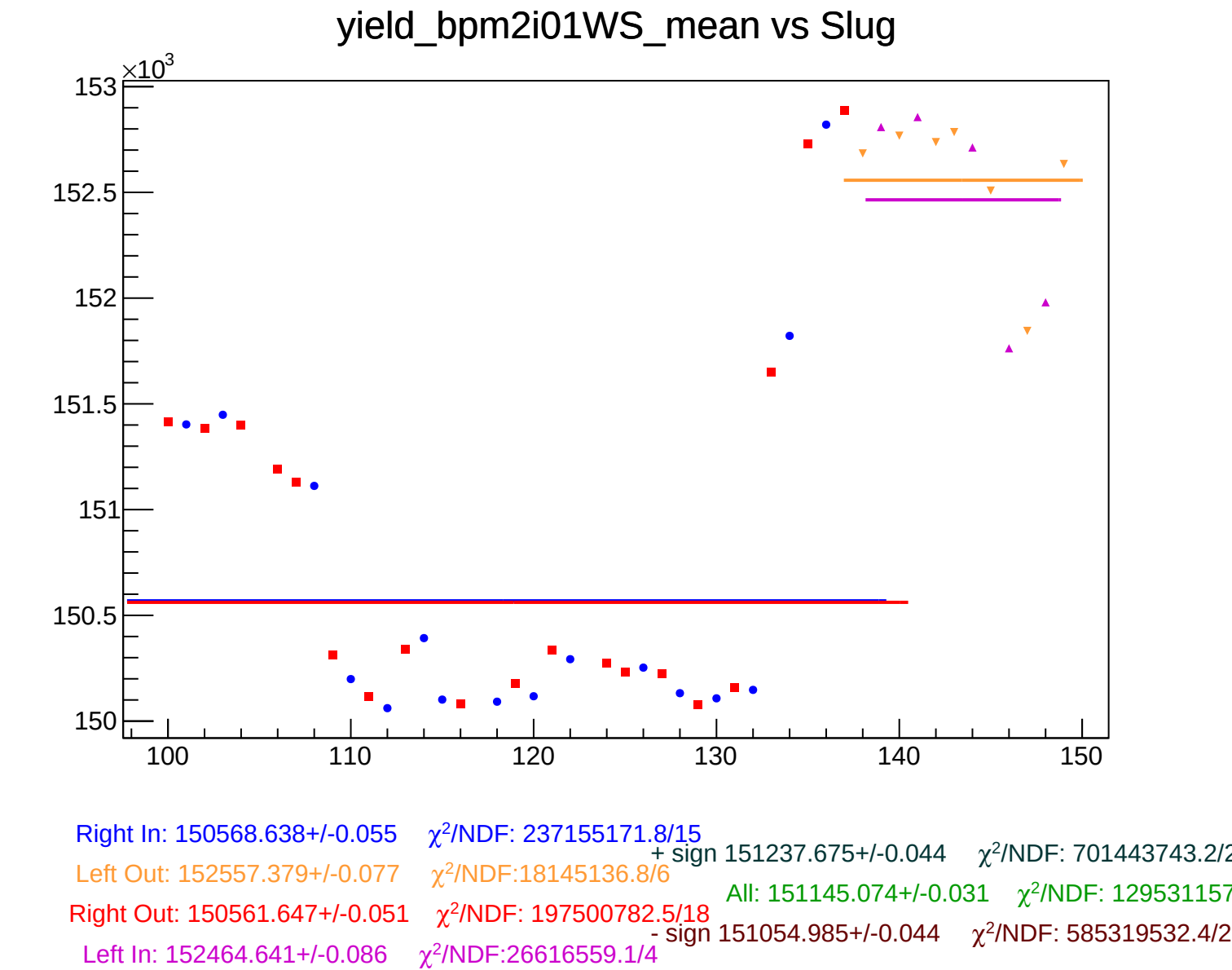
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 220.317+/-0.075 χ^2/NDF:69002.6/4

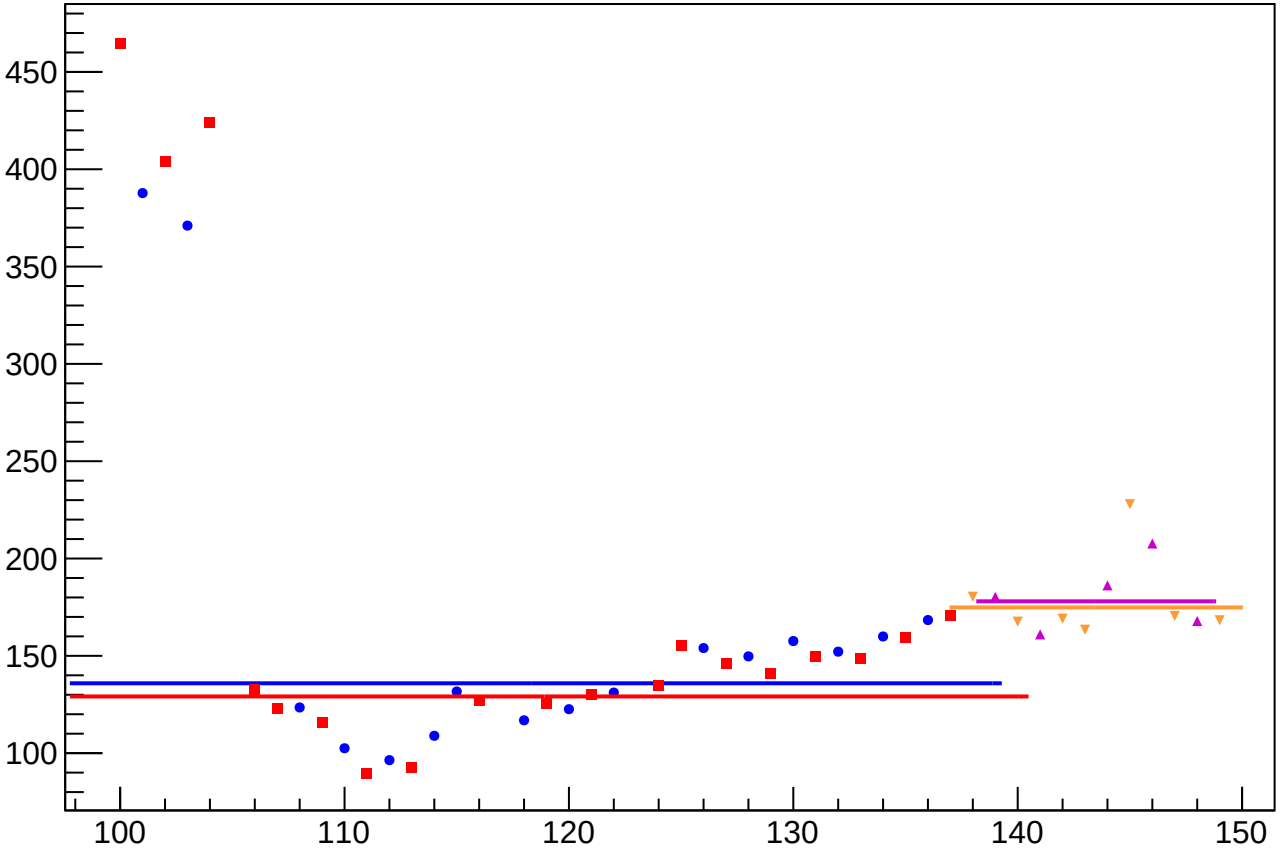
+ sign 174.678+/-0.037 χ^2/NDF: 1897056.3/22

All: 170.532+/-0.026 χ^2/NDF: 4112262.2/46

- 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: 152557.379+/-0.077 χ²/NDF:18145136.8/6
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 152464.641+/-0.086 χ²/NDF:26616559.1/4
+ sign 151237.675+/-0.044 χ²/NDF: 701443743.2/2
All: 151145.074+/-0.031 χ²/NDF: 12953115
- 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: 174.869+/-0.054 χ^2/NDF:104214.5/6

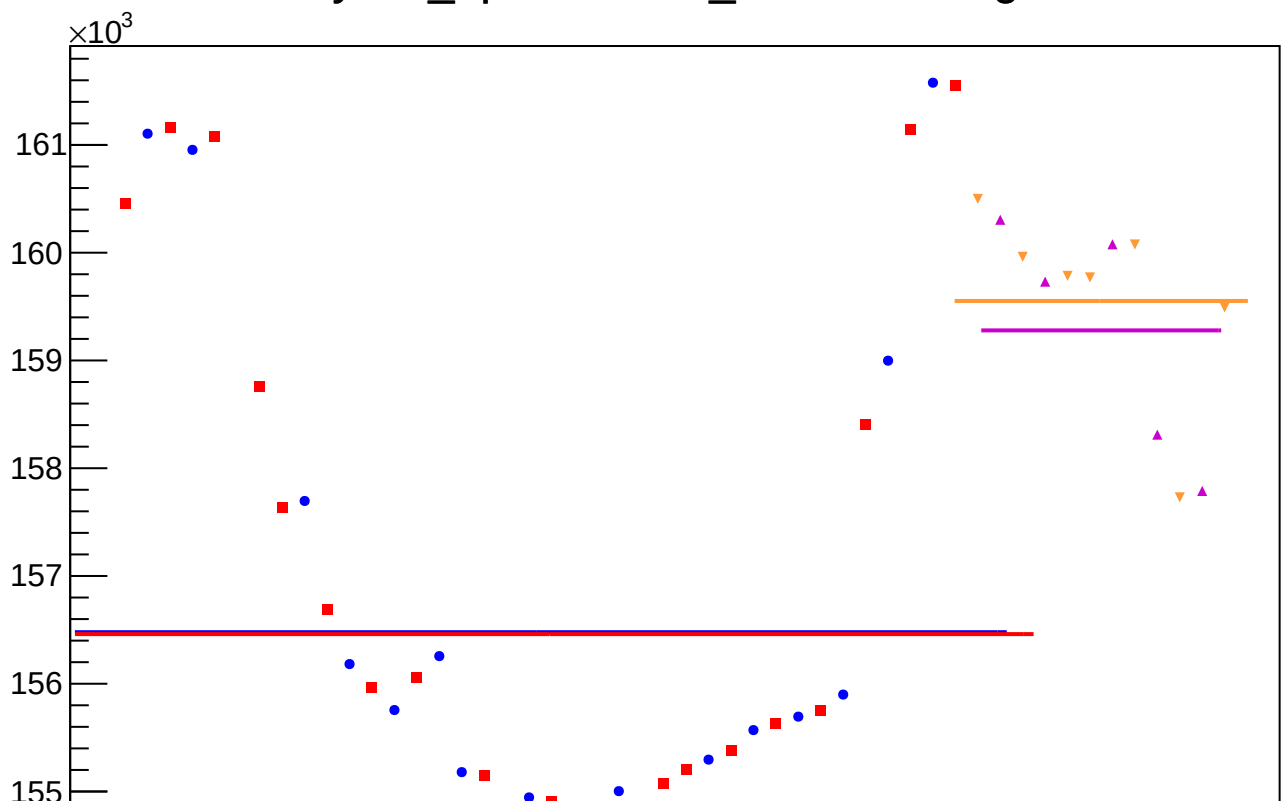
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 178.004+/-0.061 χ^2/NDF:64720.2/4

+ sign 149.007+/-0.031 χ^2/NDF: 1863209.5/22

All: 145.354+/-0.022 χ^2/NDF: 4045324.1/46

- 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: 159552.200+/-0.080 χ^2/NDF:116072329.2/6

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

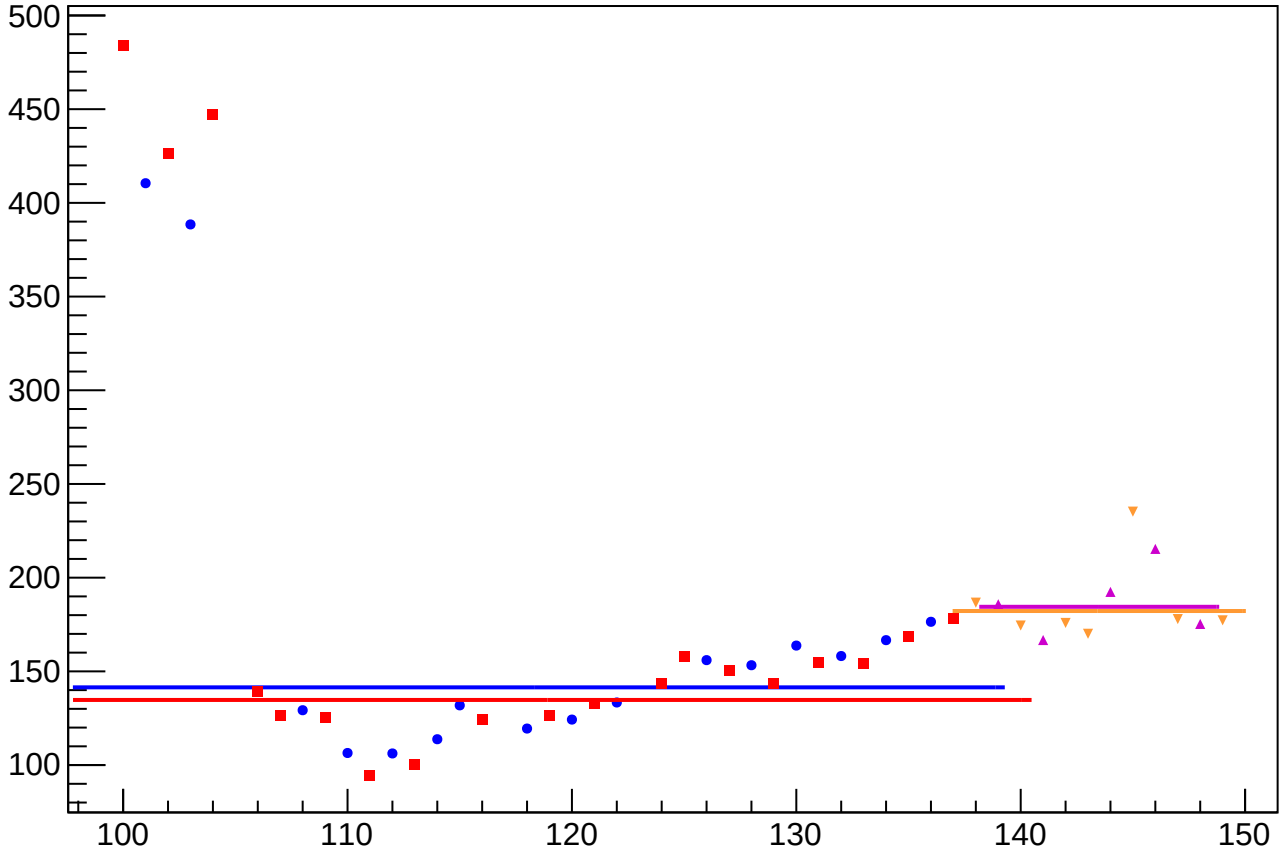
Left In: 159279.062+/-0.089 χ^2/NDF:124664457.1/4

+ sign 157511.364+/-0.046 χ^2/NDF: 2389296311.4

All: 157352.172+/-0.033 χ^2/NDF: 43735741

- 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: 182.204+/-0.056 χ^2/NDF:97575.9/6

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

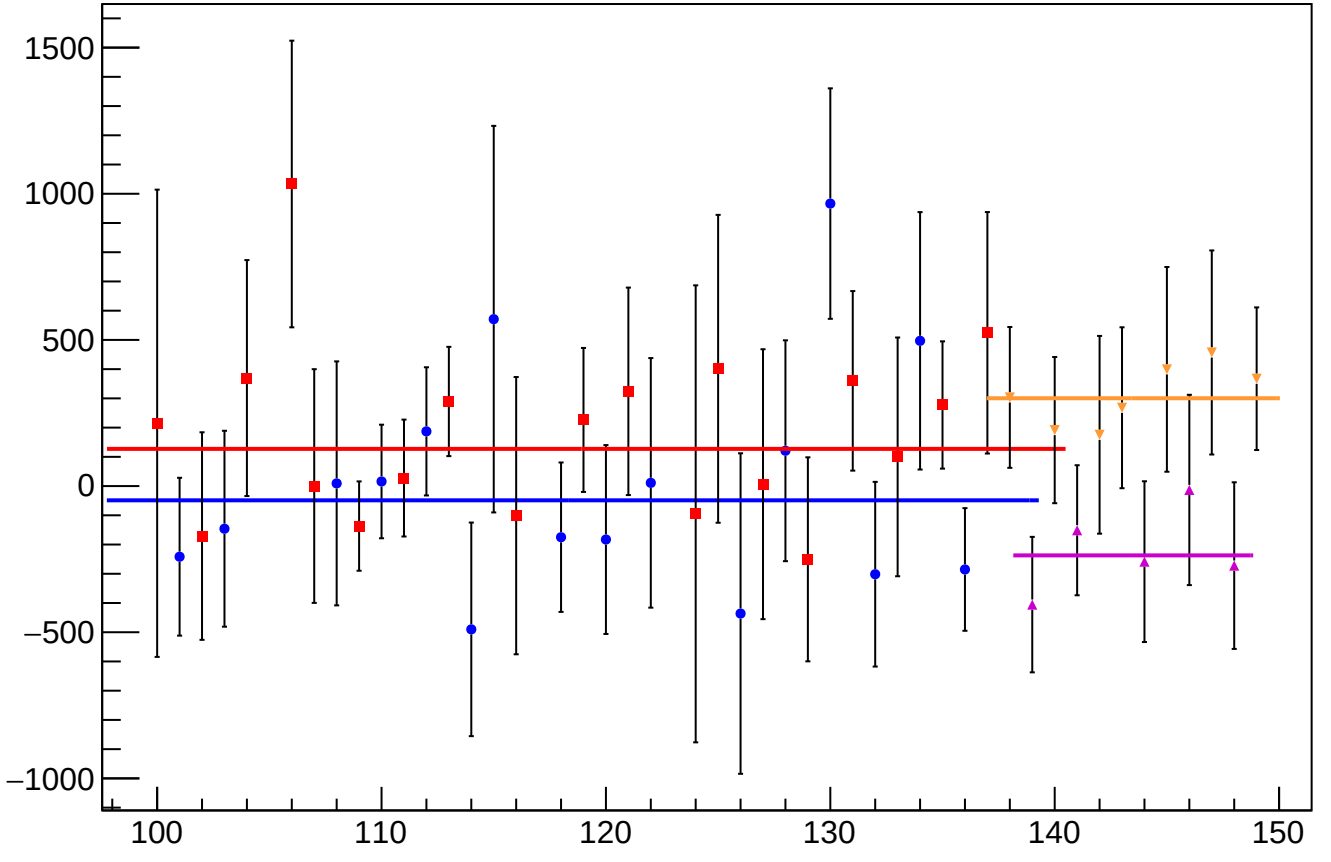
Left In: 184.455+/-0.063 χ^2/NDF:63263.9/4

+ sign 155.160+/-0.033 χ^2/NDF: 1835017.7/22

All: 151.398+/-0.023 χ^2/NDF: 3961075.6/46

- 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: 300.436+/-106.400 χ^2/NDF:0.7/6

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

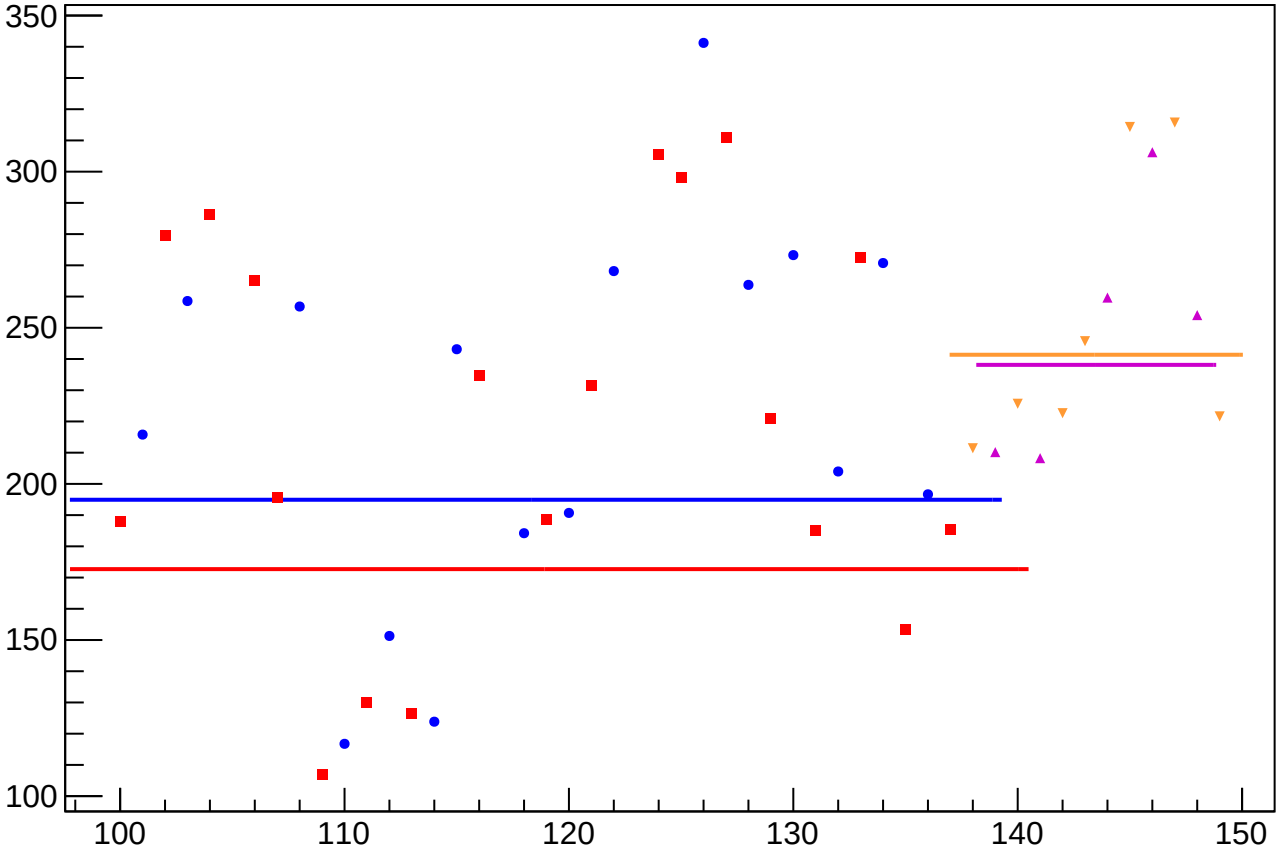
Left In: -237.107+/-116.407 χ^2/NDF:1.2/4

+ sign 70.433+/-62.161 χ^2/NDF: 23.2/22

All: 51.027+/-42.809 χ^2/NDF: 44.7/46

- 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: 241.363+/-0.075 χ^2/NDF:236095.6/6

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

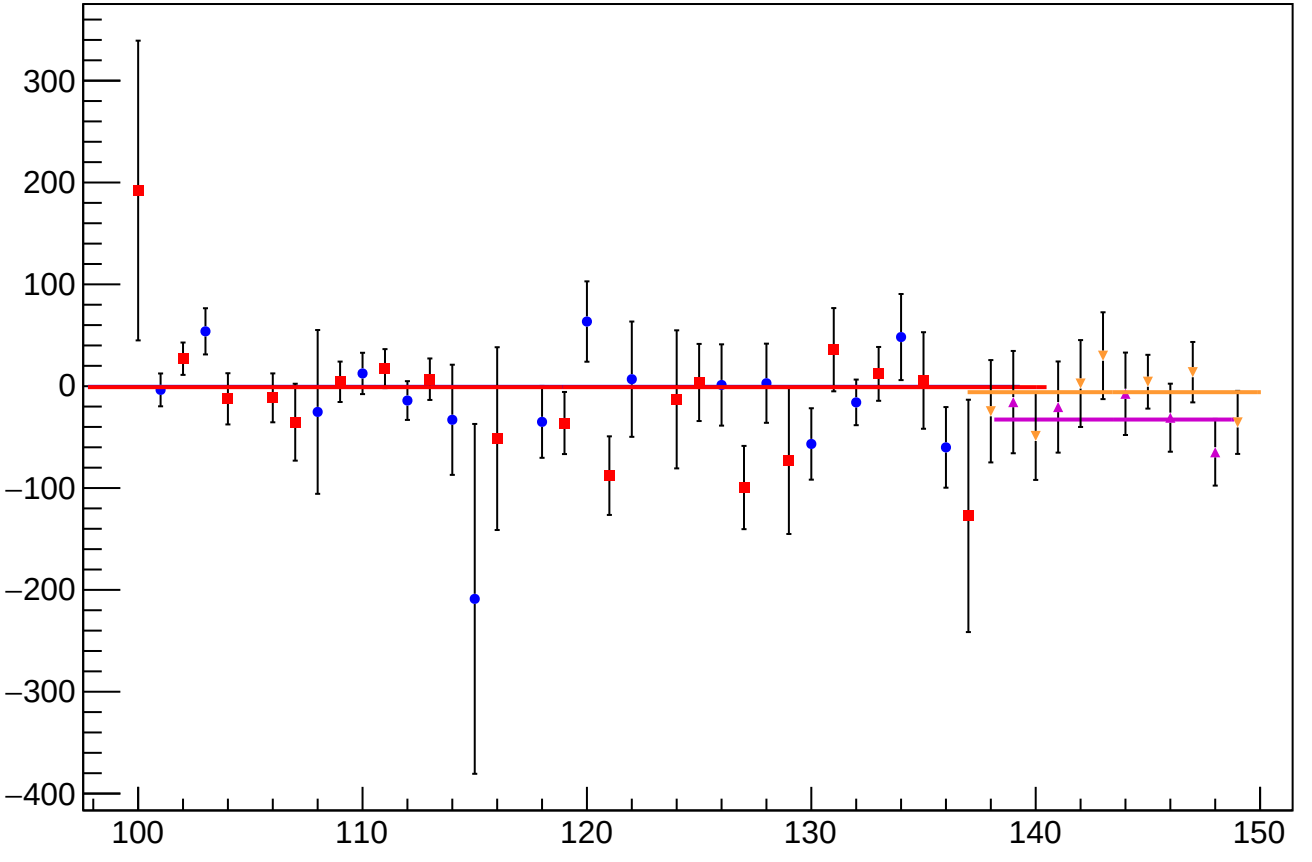
Left In: 238.121+/-0.082 χ^2/NDF:171236.7/4

+ sign 210.774+/-0.044 χ^2/NDF: 1515964.6/22

All: 199.606+/-0.030 χ^2/NDF: 3910473.9/46

- 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: -5.871+/-13.308 χ^2/NDF:3.4/6

Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

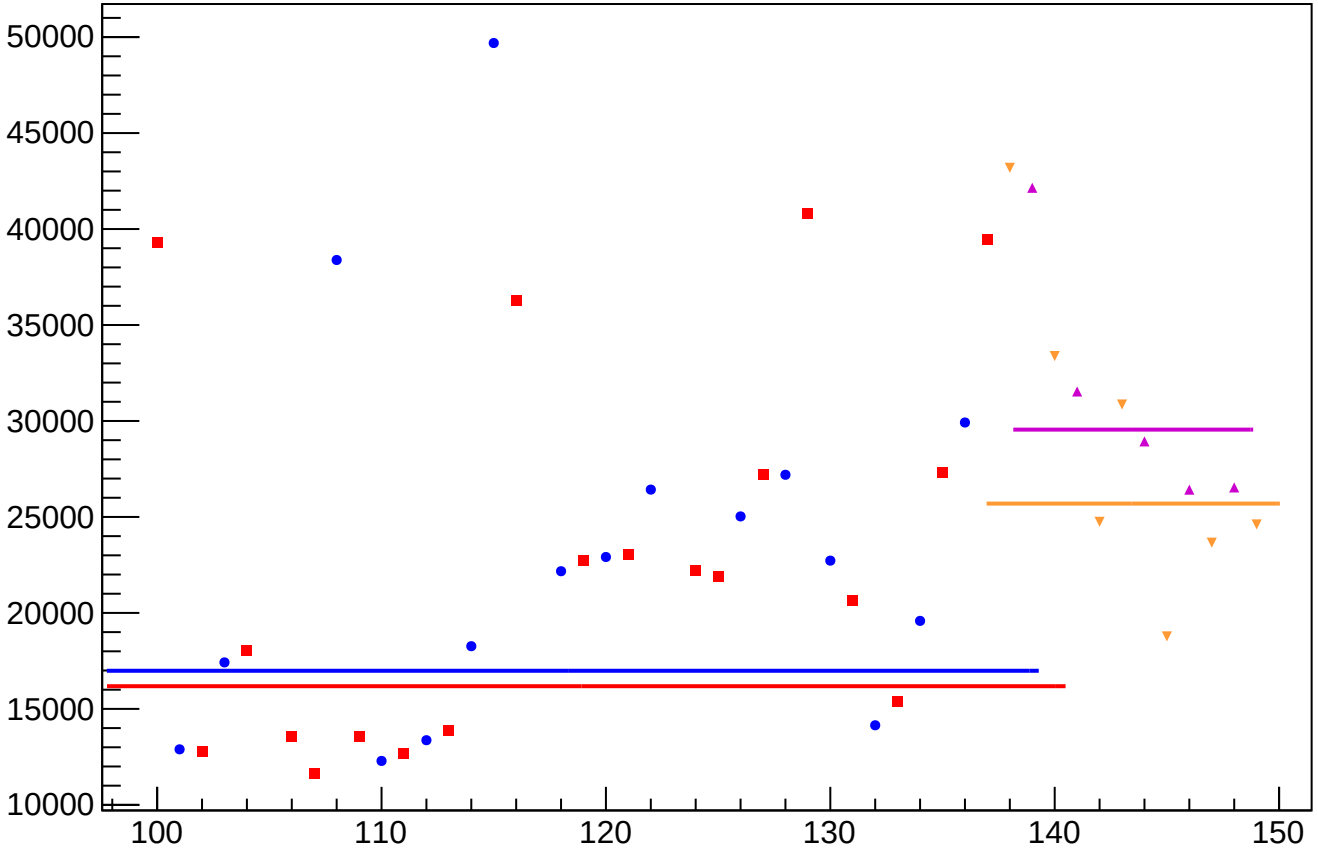
Left In: -32.743+/-17.315 χ^2/NDF:1.5/4

+ sign -1.848+/-6.427 χ^2/NDF: 22.4/22

All: -3.532+/-4.500 χ^2/NDF: 50.0/46

- 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: 25695.724+/-9.410 χ^2/NDF:485318.1/6

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

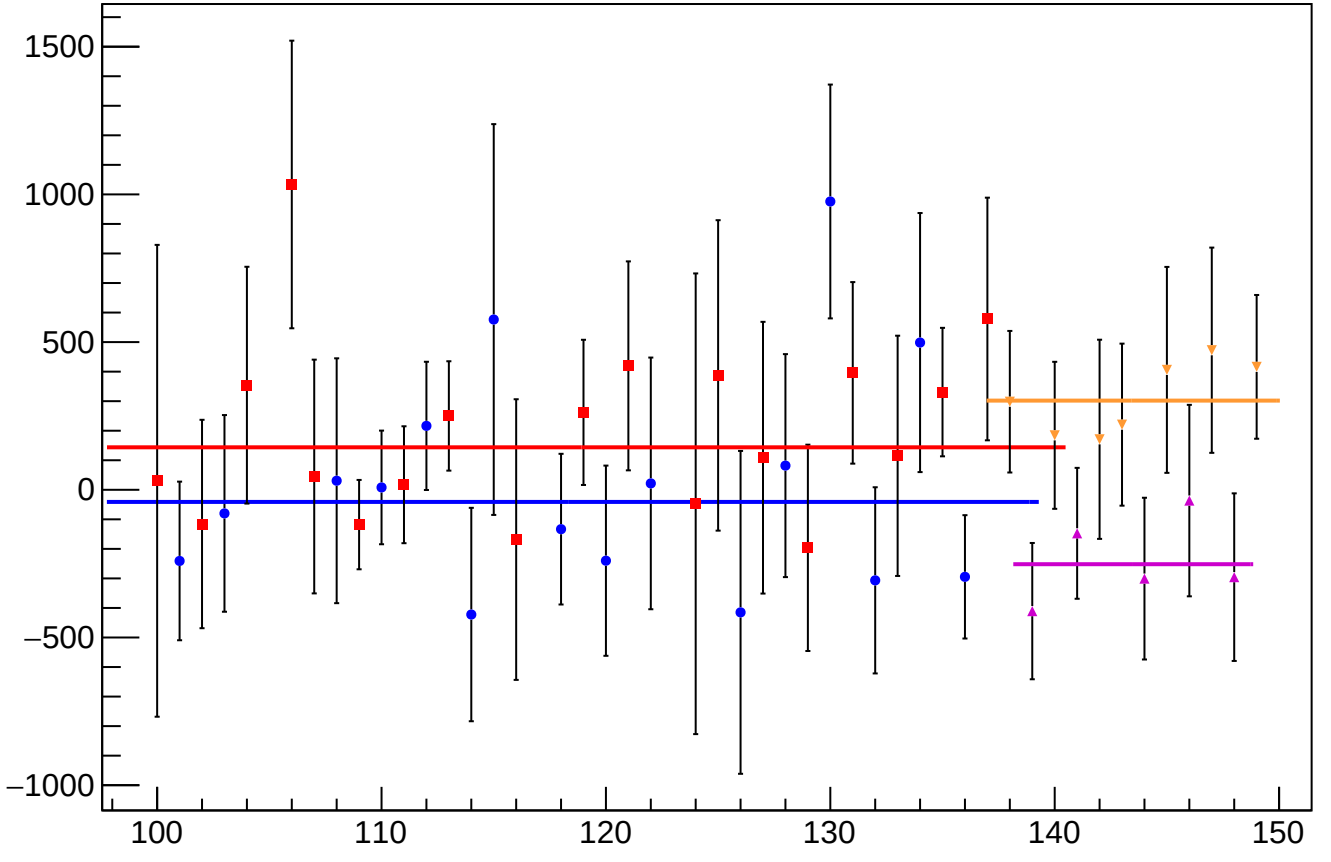
Left In: 29550.203+/-12.244 χ^2/NDF:164702.7/4

+ sign 19018.019+/-4.545 χ^2/NDF: 2336210.7/22

All: 18475.191+/-3.182 χ^2/NDF: 4814573.2/4

- sign 17953.205+/-4.457 χ^2/NDF: 2450379.2/23

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 301.939+/-105.961 χ^2/NDF:1.0/6

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

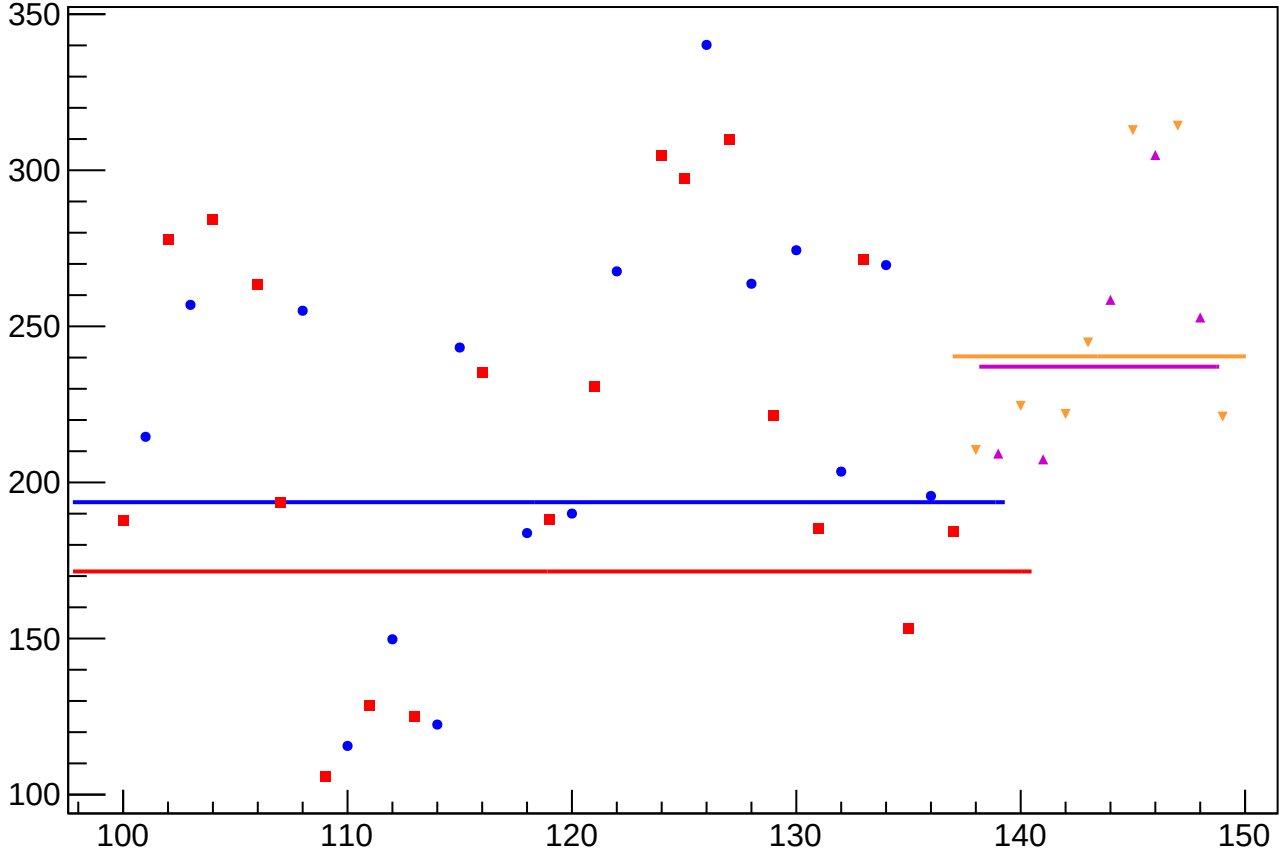
Left In: -251.881+/-115.899 χ^2/NDF:1.2/4

\+ sign 75.777+/-61.841 χ^2/NDF: 23.4/22

All: 58.173+/-42.575 χ^2/NDF: 46.4/46

\- 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: 240.374+/-0.075 χ^2/NDF:235540.2/6

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

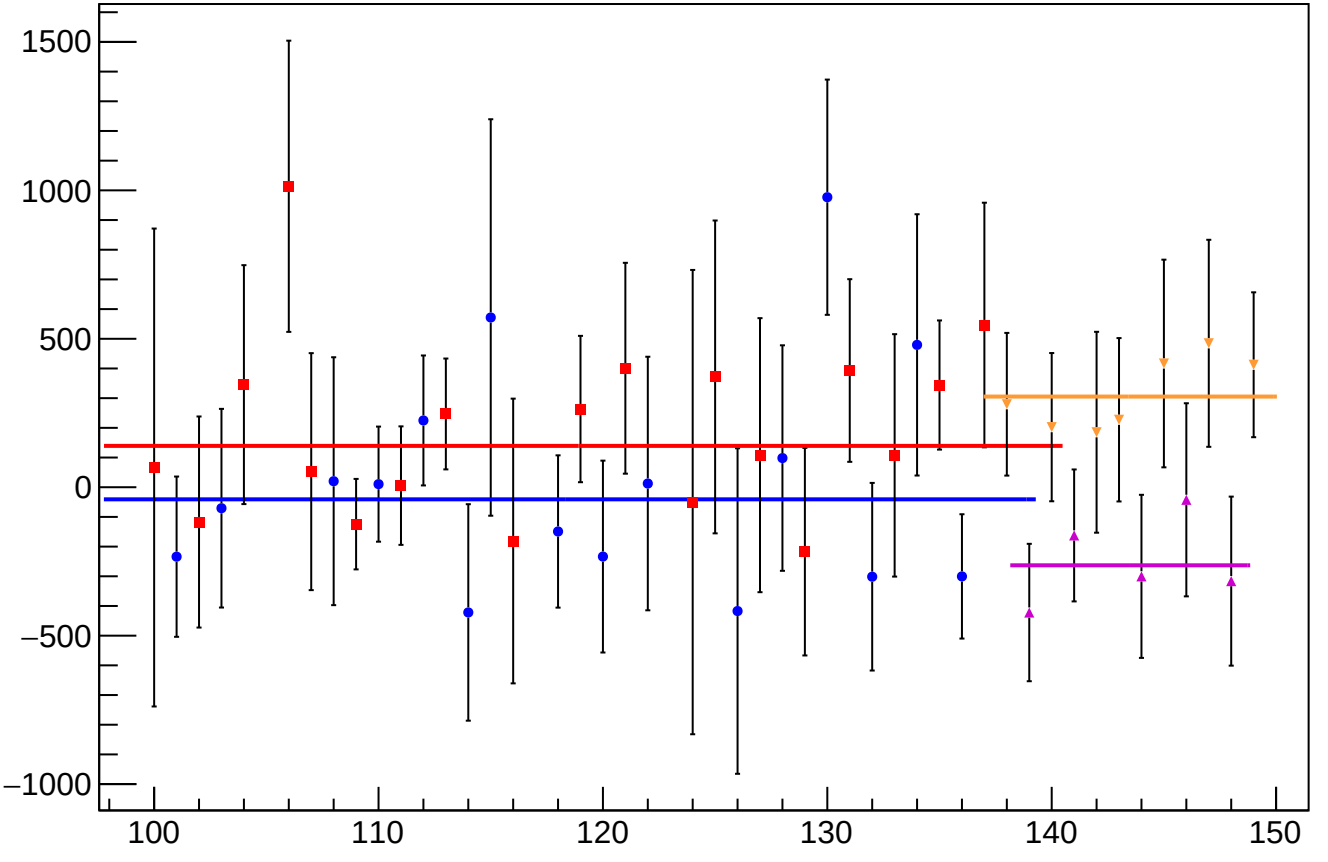
Left In: 237.083+/-0.082 χ^2/NDF:170934.5/4

+ sign 209.578+/-0.044 χ^2/NDF: 1541511.9/22

All: 198.392+/-0.030 χ^2/NDF: 3966204.9/46

- 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: 305.387+/-106.302 χ^2/NDF:0.9/6

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

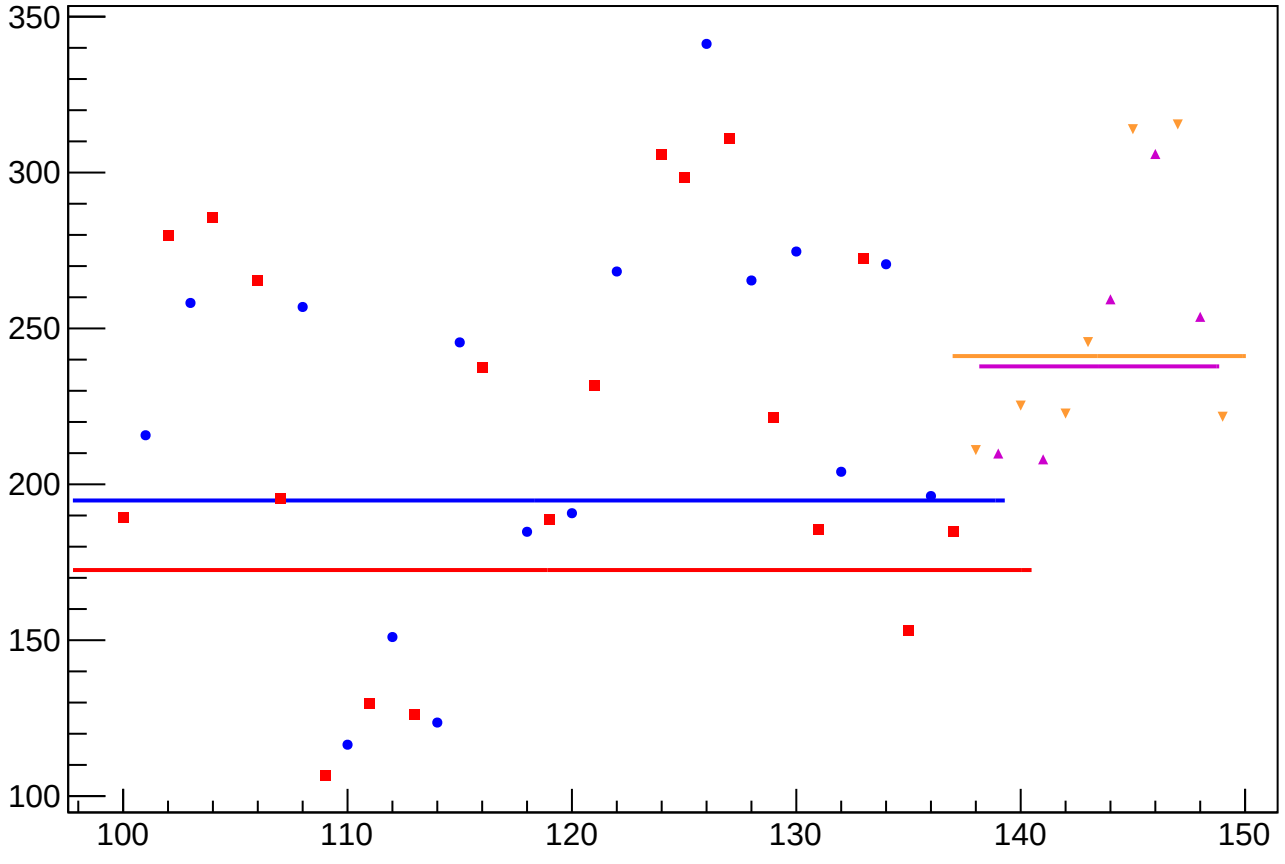
Left In: -262.984+/-116.270 χ^2/NDF:1.2/4

\+ sign 77.479+/-62.135 χ^2/NDF: 23.3/22

All: 55.524+/-42.782 χ^2/NDF: 46.5/46

\- 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: 241.136+/-0.075 χ^2/NDF:236150.1/6

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

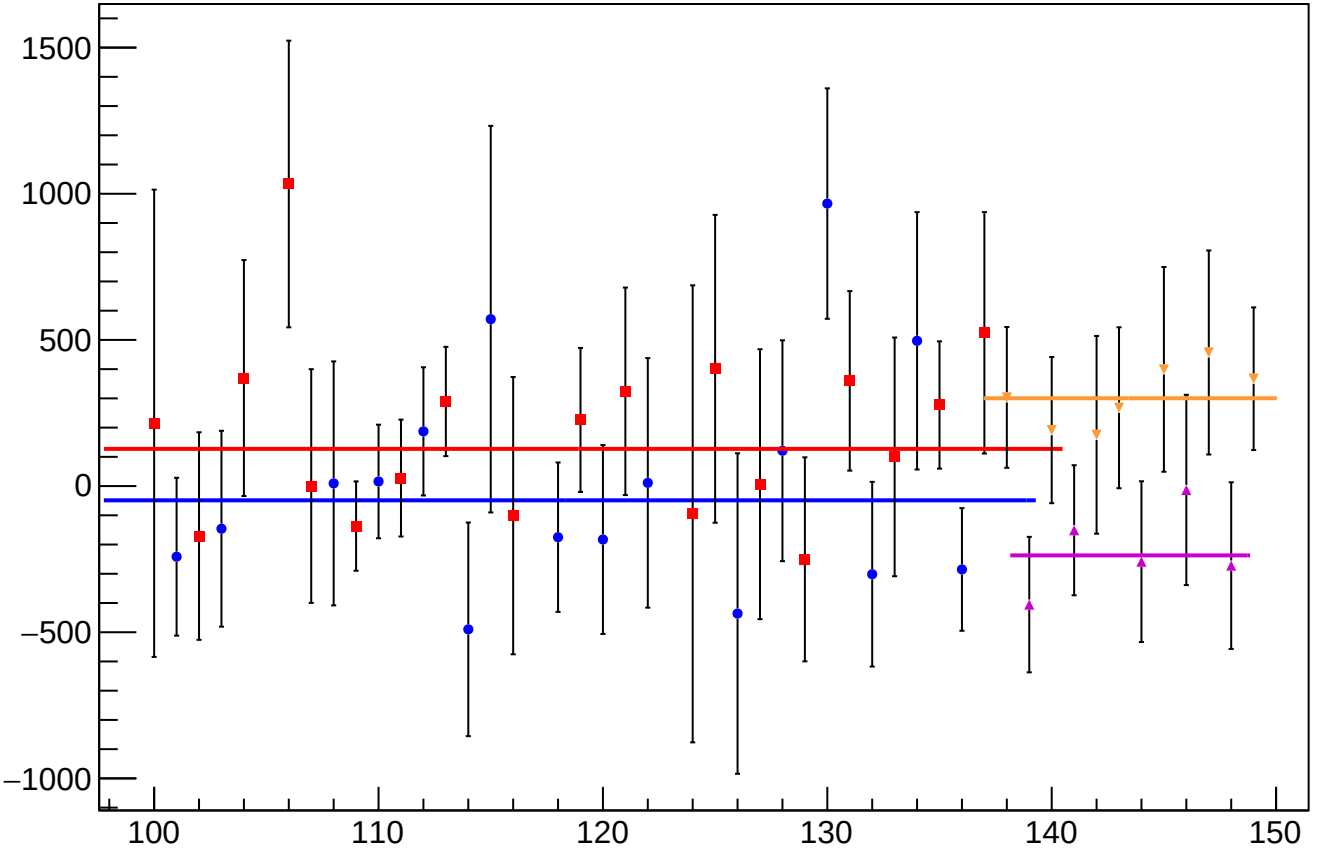
Left In: 237.829+/-0.082 χ^2/NDF:171425.6/4

+ sign 210.644+/-0.044 χ^2/NDF: 1525205.1/22

All: 199.431+/-0.030 χ^2/NDF: 3931299.0/46

- 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: 300.436+/-106.400 χ^2/NDF:0.7/6

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

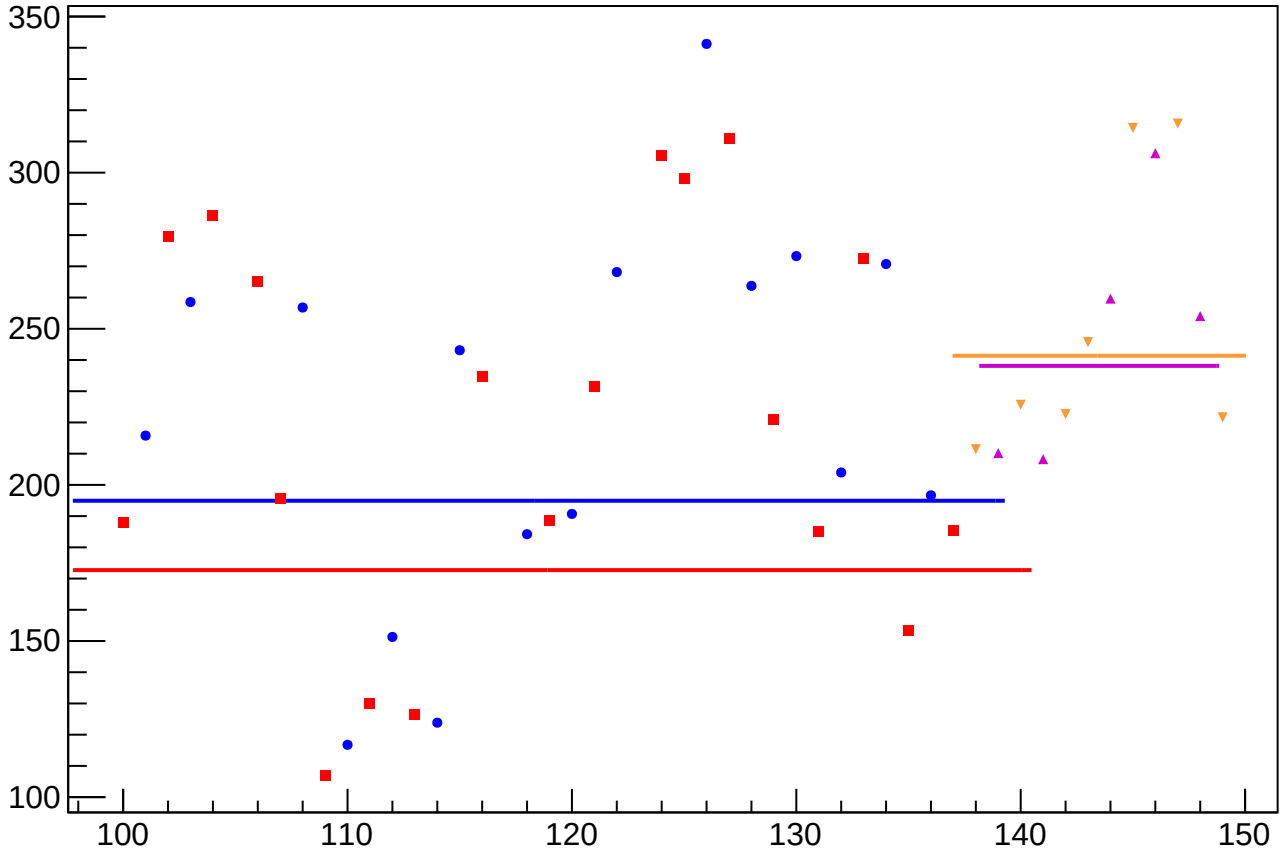
Left In: -237.107+/-116.407 χ^2/NDF:1.2/4

+ sign 70.433+/-62.161 χ^2/NDF: 23.2/22

All: 51.027+/-42.809 χ^2/NDF: 44.7/46

- 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: 241.363+/-0.075 χ^2/NDF:236095.6/6

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

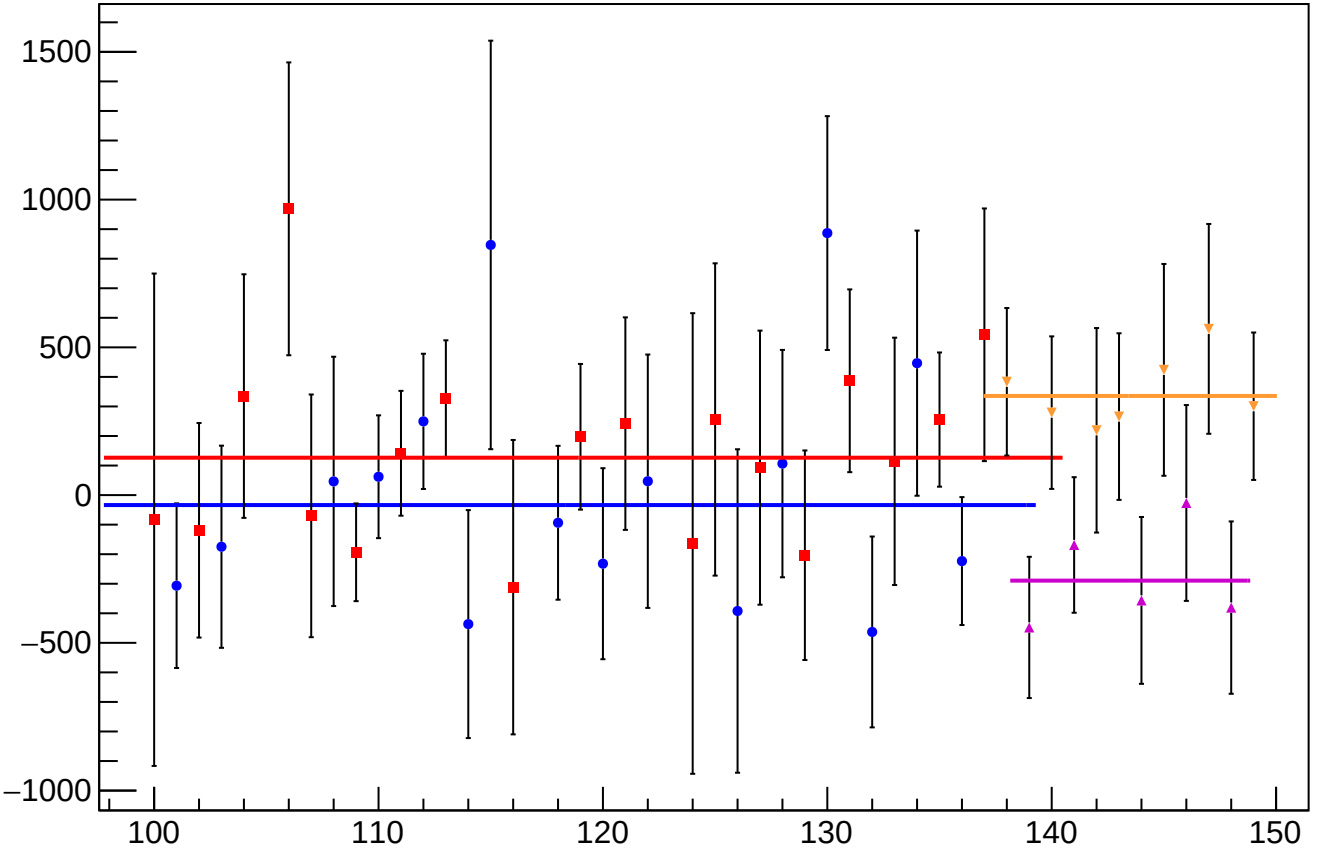
Left In: 238.121+/-0.082 χ^2/NDF:171236.7/4

+ sign 210.774+/-0.044 χ^2/NDF: 1515964.6/22

All: 199.606+/-0.030 χ^2/NDF: 3910473.9/46

- 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: 335.564+/-109.248 χ^2/NDF:0.7/6

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

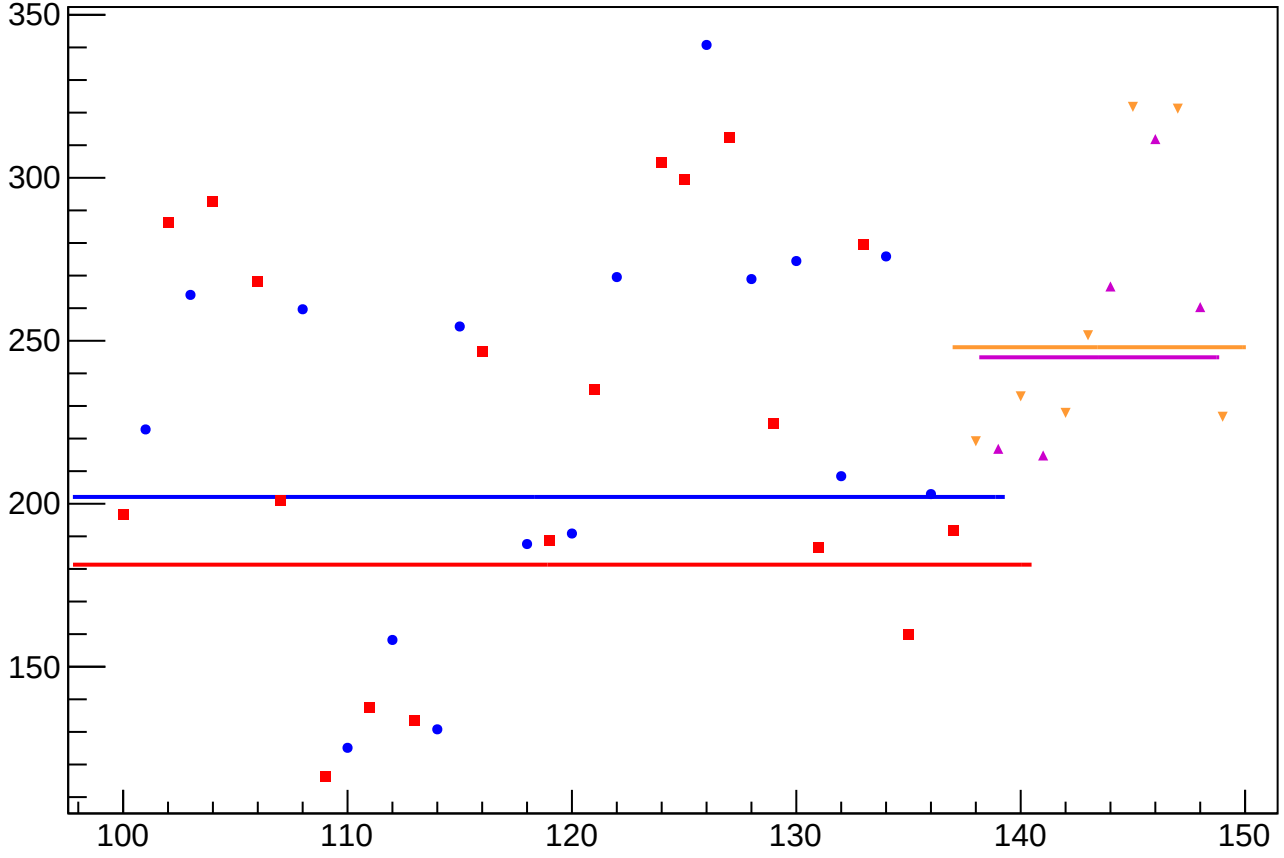
Left In: -289.436+/-119.595 χ^2/NDF:1.5/4

\+ sign 93.062+/-64.014 χ^2/NDF: 24.0/22

All: 53.590+/-44.254 χ^2/NDF: 47.8/46

\- 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: 248.025+/-0.077 χ^2/NDF:224966.2/6

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

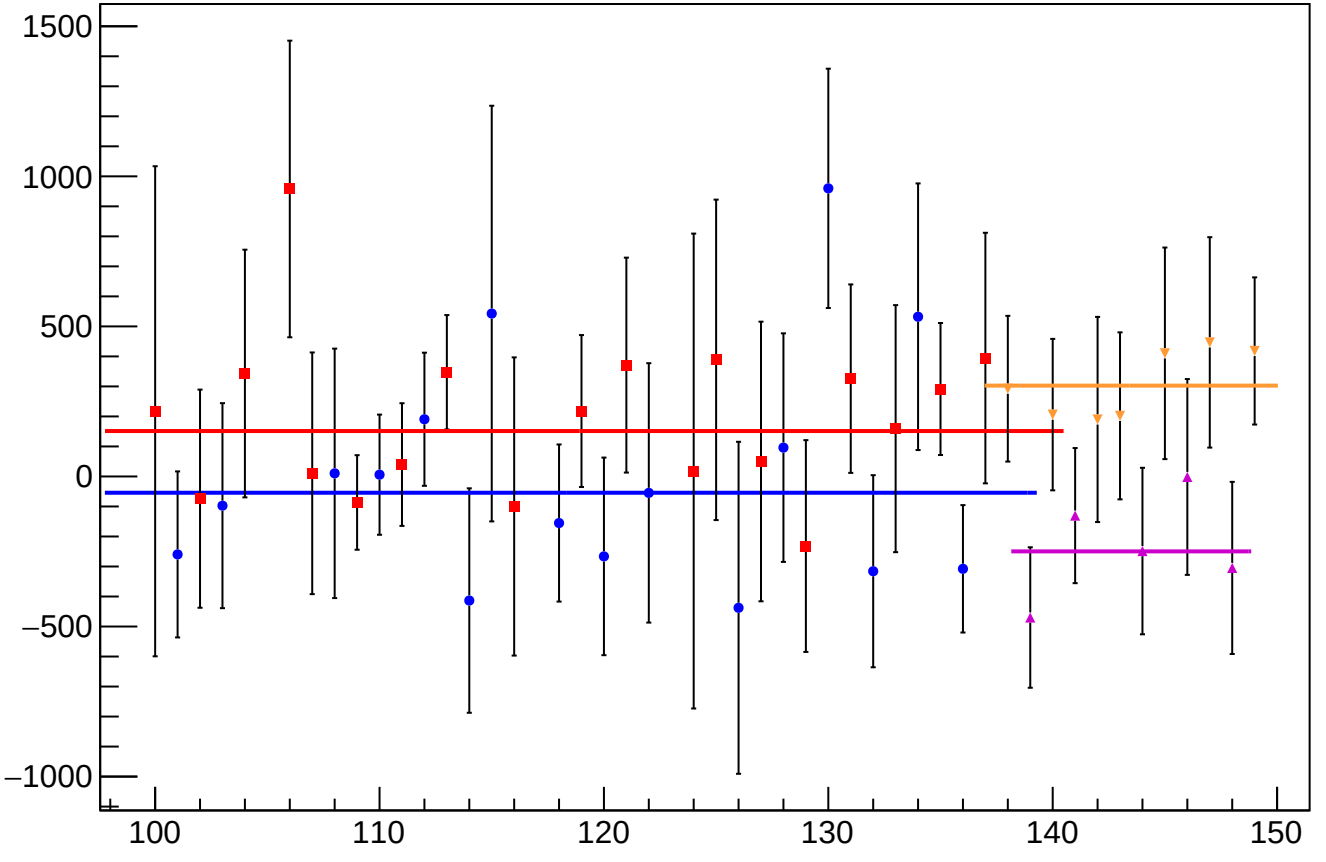
Left In: 244.931+/-0.085 χ^2/NDF:161129.9/4

+ sign 217.861+/-0.045 χ^2/NDF: 1367407.6/22

All: 207.491+/-0.031 χ^2/NDF: 3487579.0/46

- 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: 302.691+/-107.230 χ^2/NDF:0.9/6

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

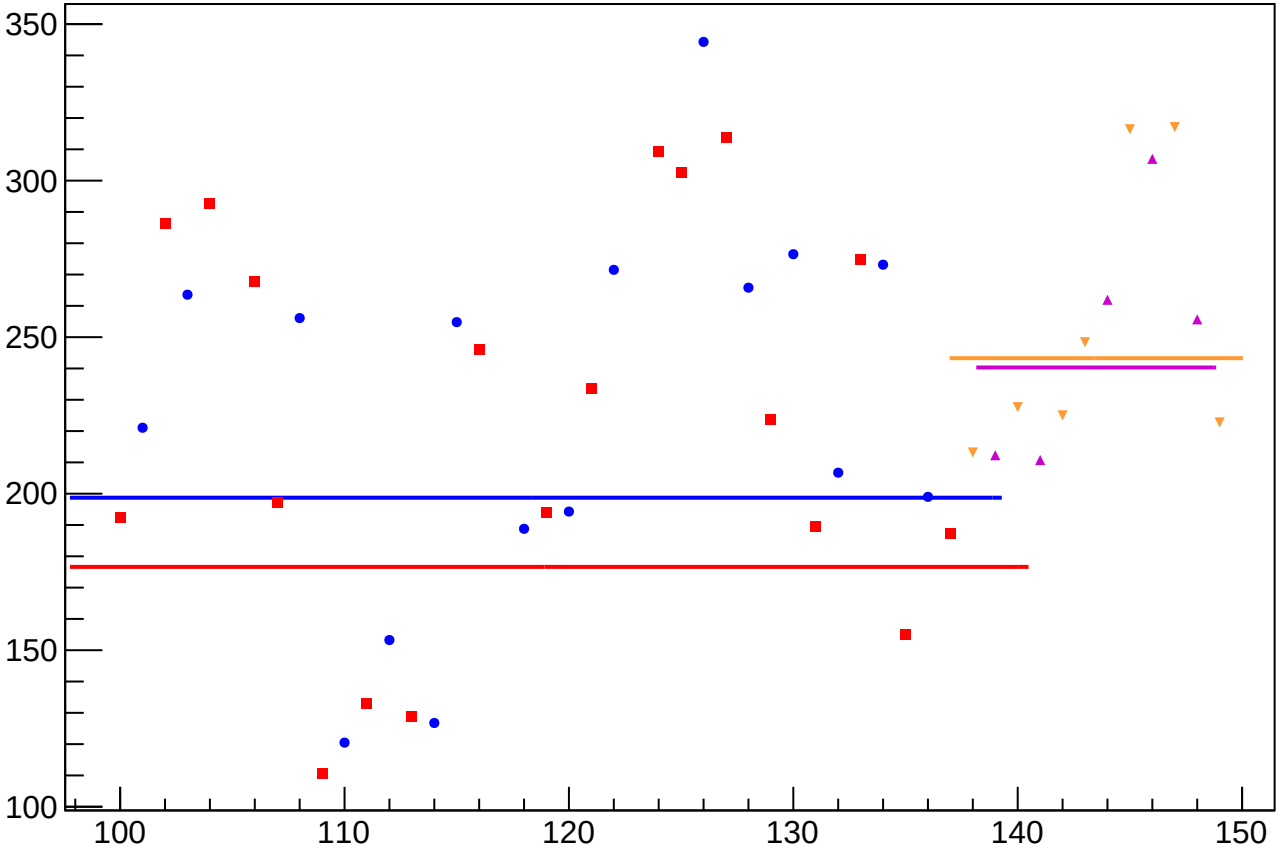
Left In: -249.598+/-117.411 χ^2/NDF:1.8/4

\+ sign 69.148+/-63.049 χ^2/NDF: 23.2/22

All: 57.238+/-43.488 χ^2/NDF: 43.9/46

\- 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: 243.287+/-0.076 χ^2/NDF:233601.5/6

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

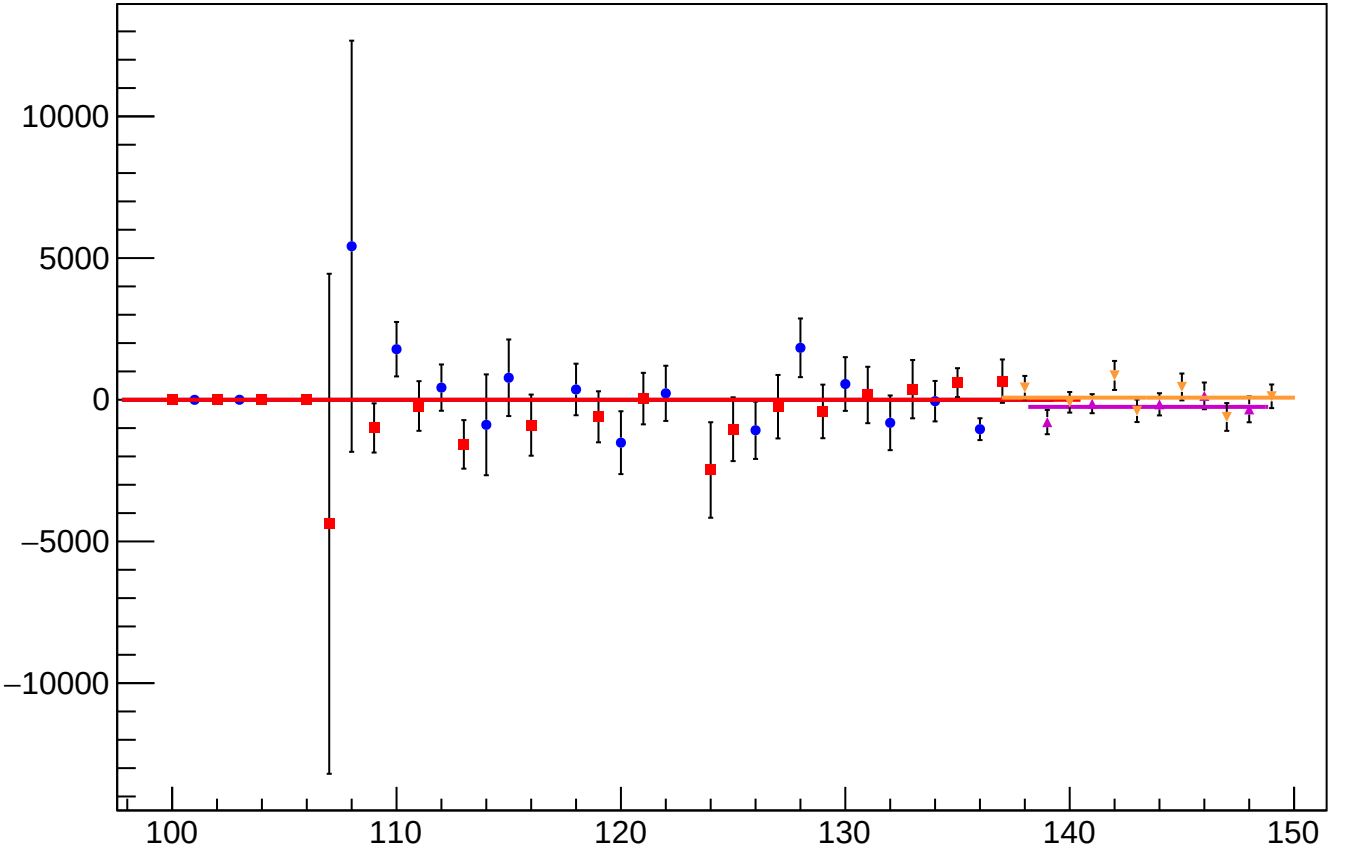
Left In: 240.311+/-0.083 χ^2/NDF:164526.3/4

+ sign 214.127+/-0.045 χ^2/NDF: 1453732.7/22

All: 203.203+/-0.031 χ^2/NDF: 3762997.9/46

- sign 193.289+/-0.042 χ^2/NDF: 2194735.3/23

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 74.447+/-162.179 χ^2/NDF:7.3/6

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

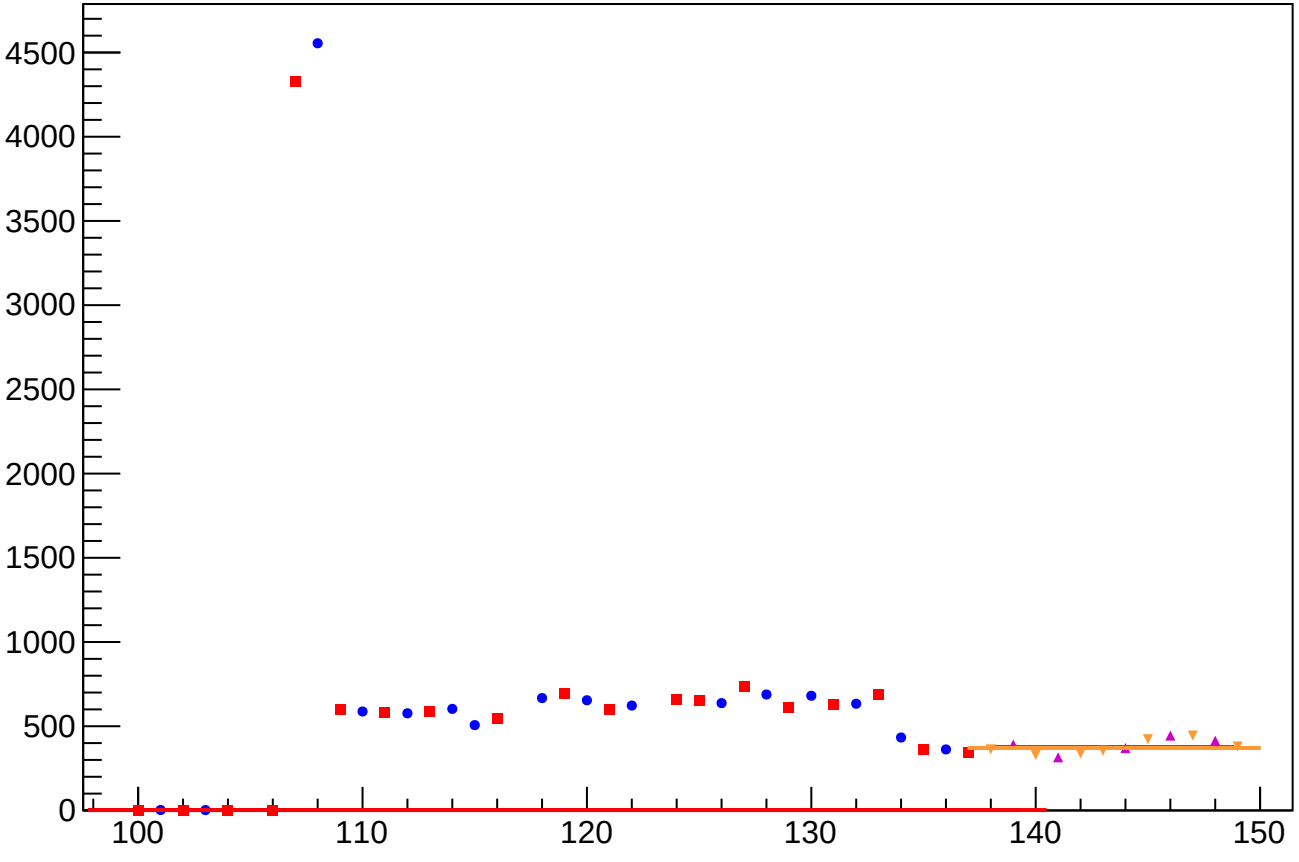
Left In: -251.653+/-182.135 χ^2/NDF:2.5/4

+ sign -1.225+/-2.171 χ^2/NDF: 27.4/22

All: -1.323+/-1.480 χ^2/NDF: 48.6/46

- 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: 370.879+/-0.115 χ^2/NDF:108448.1/6

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

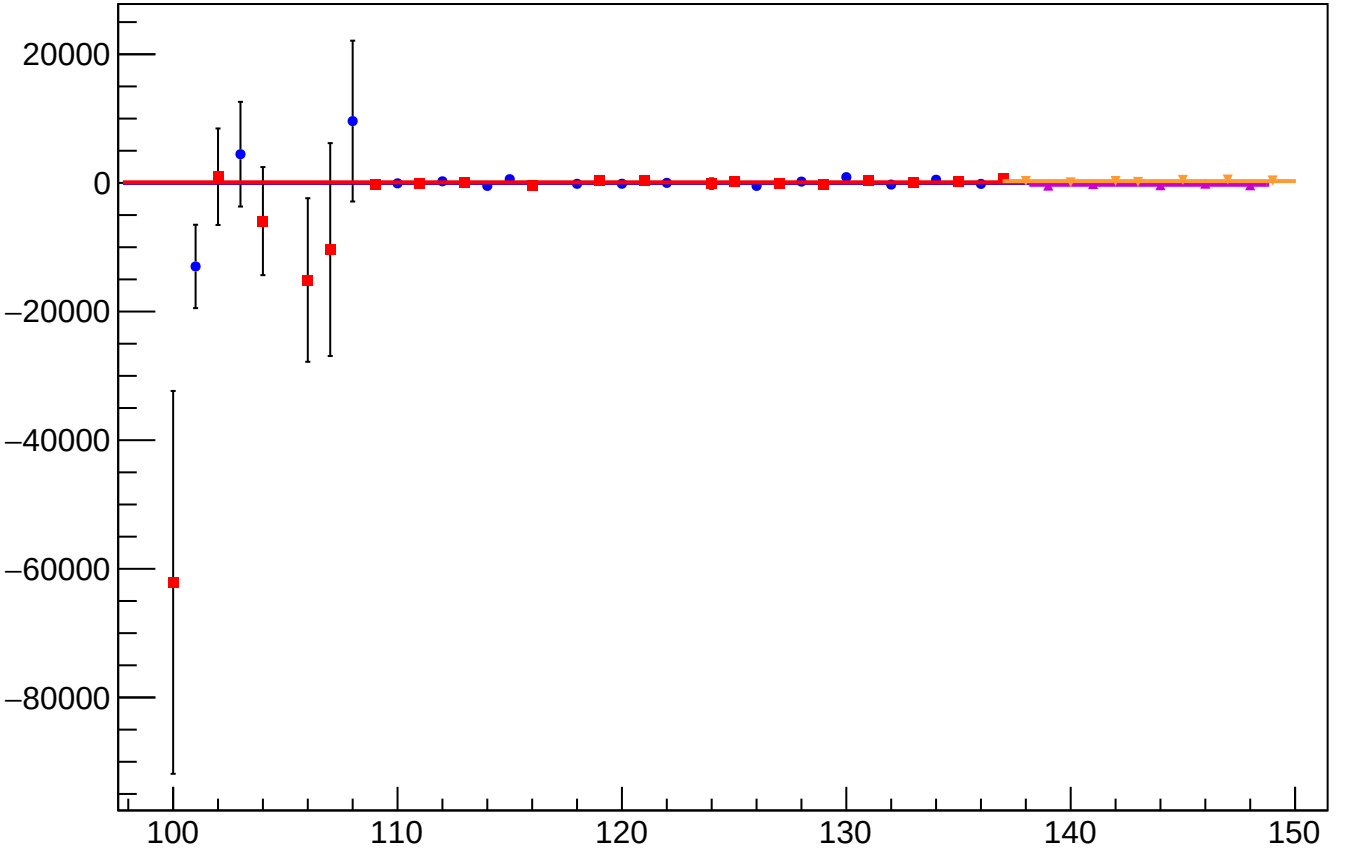
Left In: 376.258+/-0.129 χ^2/NDF:124376.7/4

+ sign 2.543+/-0.002 χ^2/NDF: 22052886.7/22

All: 2.524+/-0.001 χ^2/NDF: 42145812.1/46

- 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: 280.291+/-112.779 χ^2/NDF:1.7/6

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

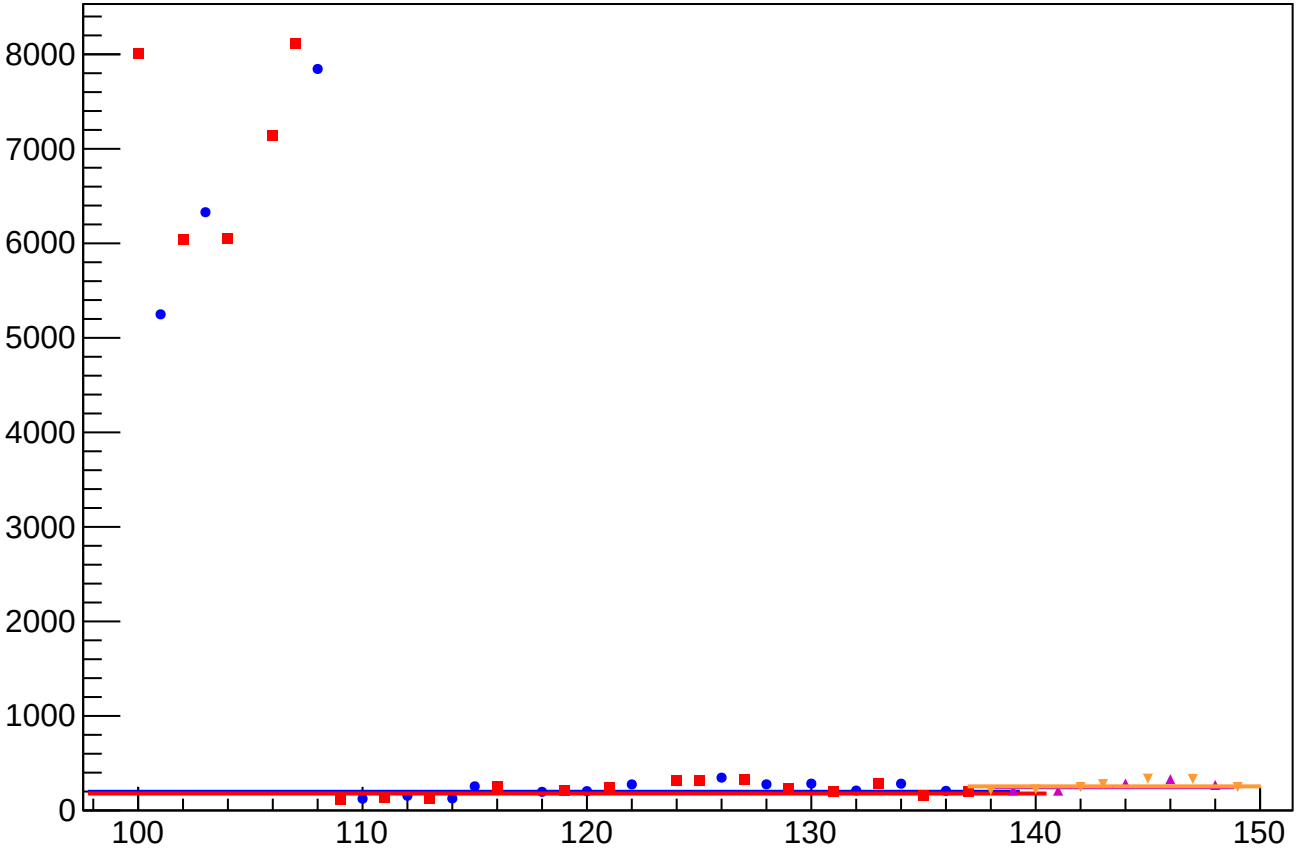
Left In: -289.925+/-120.974 χ^2/NDF:1.0/4

+ sign 106.165+/-69.291 χ^2/NDF: 22.3/22

All: 36.387+/-48.406 χ^2/NDF: 46.9/46

- 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: 255.009+/-0.080 χ^2/NDF:294436.7/6

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

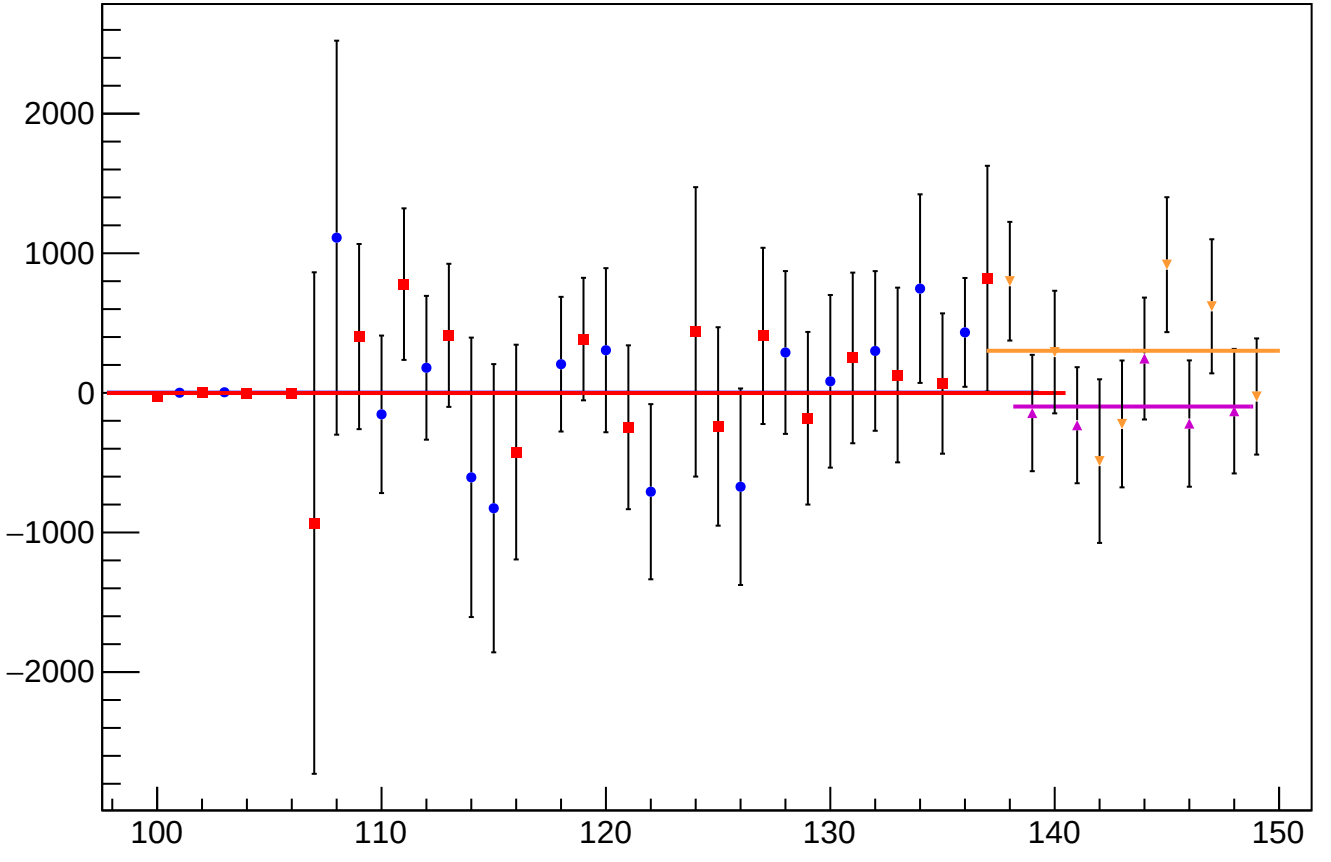
Left In: 246.067+/-0.086 χ^2/NDF:261310.5/4

+ sign 219.283+/-0.049 χ^2/NDF: 4574018.4/22

All: 209.485+/-0.034 χ^2/NDF: 9751181.0/46

- 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: 301.554+/-174.411 χ^2/NDF:7.2/6

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

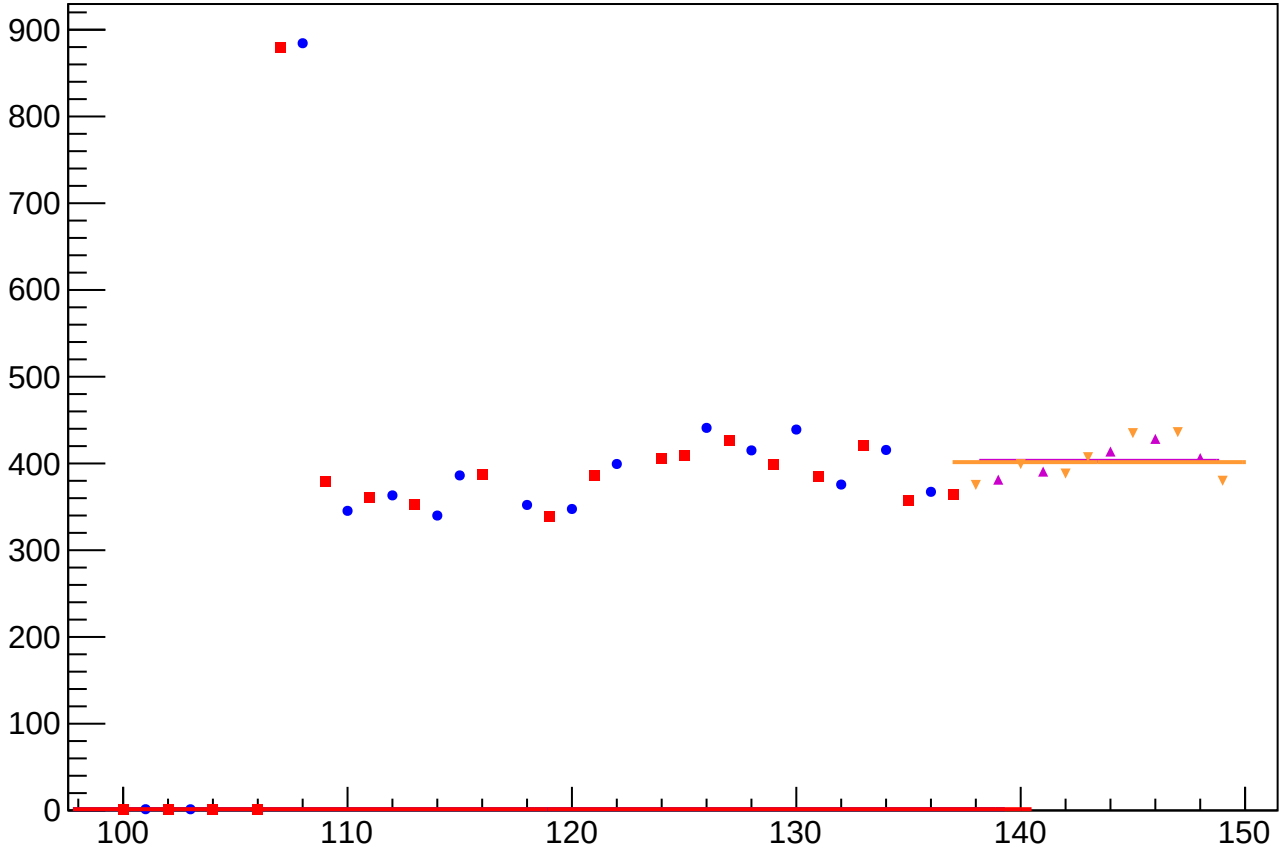
Left In: -97.865+/-193.520 χ^2/NDF:0.8/4

+ sign 1.483+/-1.660 χ^2/NDF: 18.1/22

All: 0.085+/-1.124 χ^2/NDF: 29.6/46

- 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: 401.541+/-0.123 χ^2/NDF:34261.2/6

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

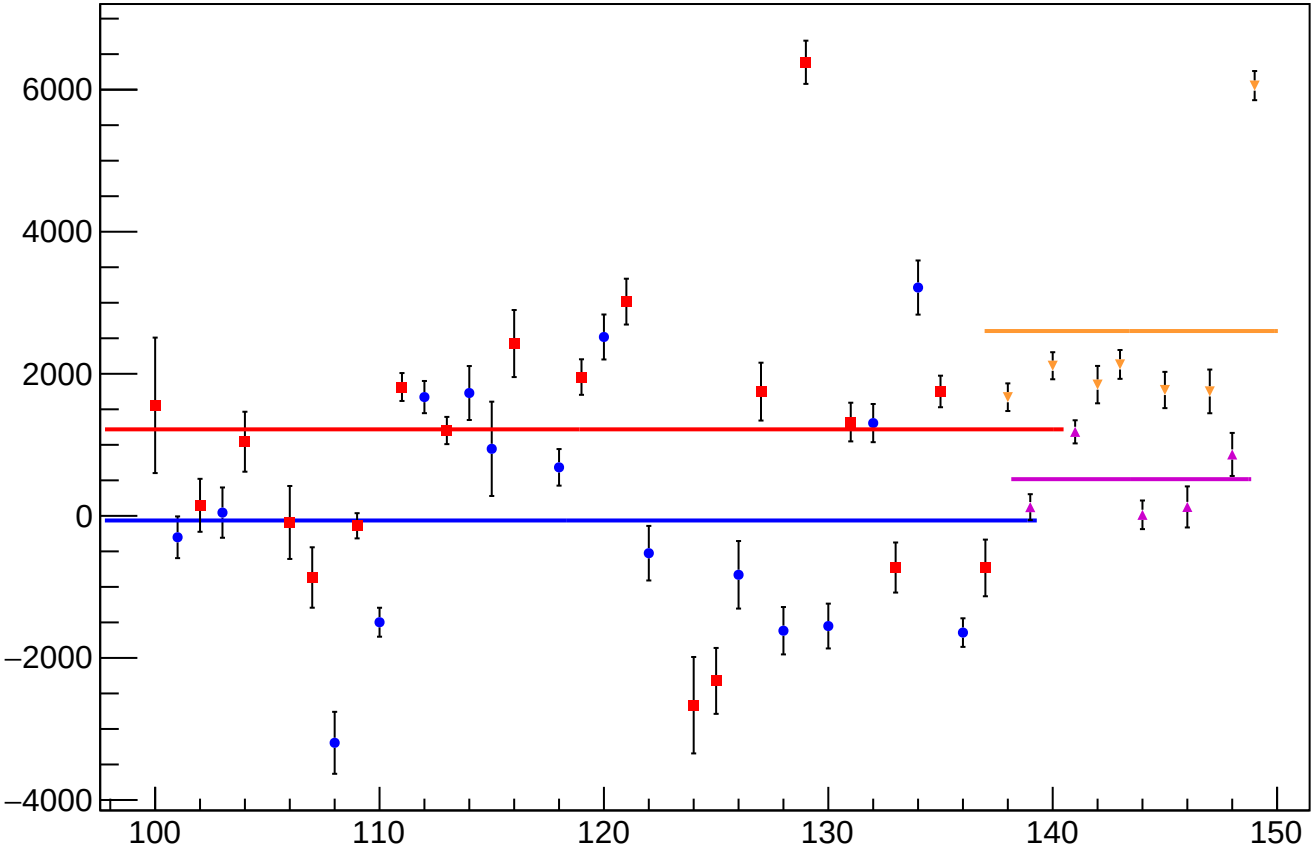
Left In: 403.022+/-0.137 χ^2/NDF:14759.2/4

+ sign 1.506+/-0.001 χ^2/NDF: 22292083.6/22

All: 1.499+/-0.001 χ^2/NDF: 42188073.9/46

- 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: 2602.120+/-83.826 χ^2/NDF:344.9/6

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

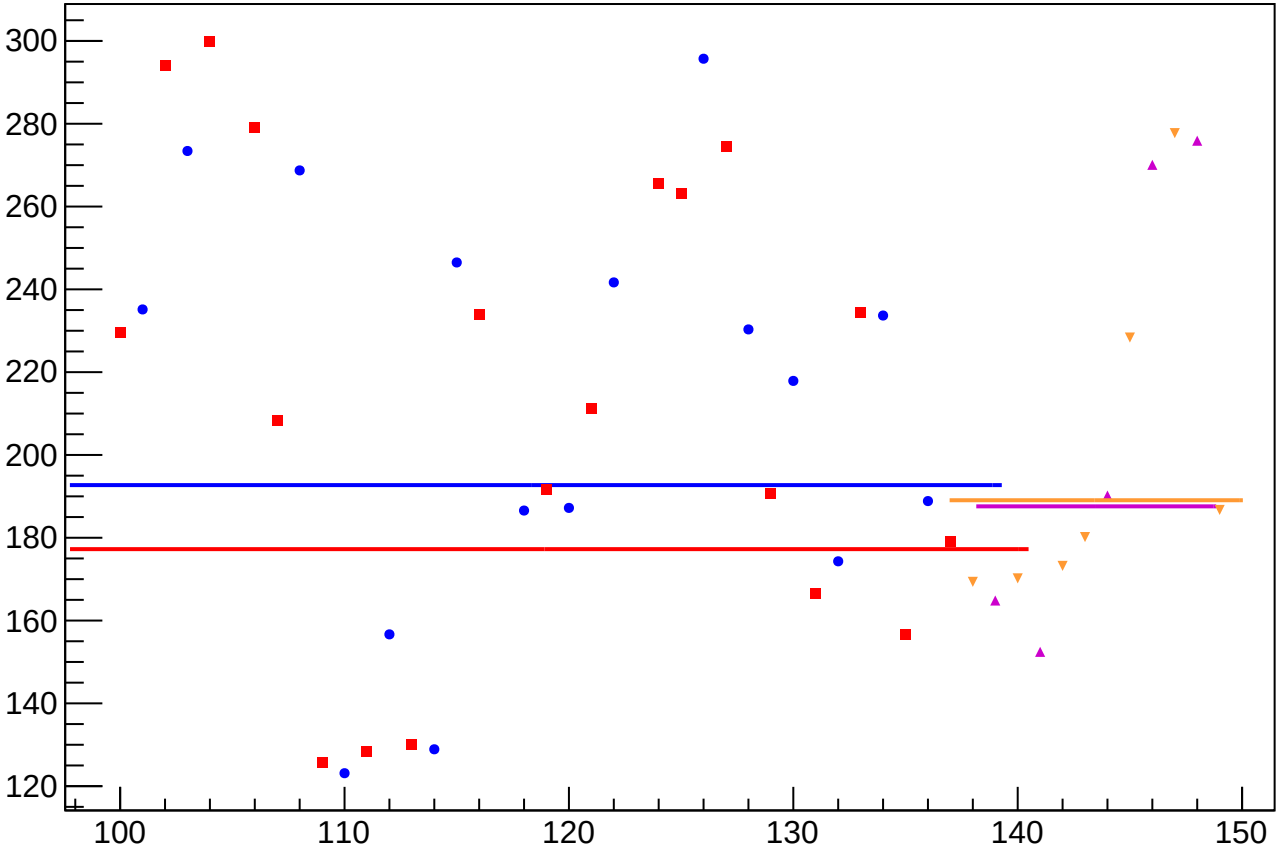
Left In: 516.594+/-93.090 χ^2/NDF:30.8/4

\+ sign 1118.966+/-55.850 χ^2/NDF: 1377.3/22

All: 1043.478+/-39.348 χ^2/NDF: 2042.9/46

\- 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: 189.060+/-0.059 χ^2/NDF:265087.1/6

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

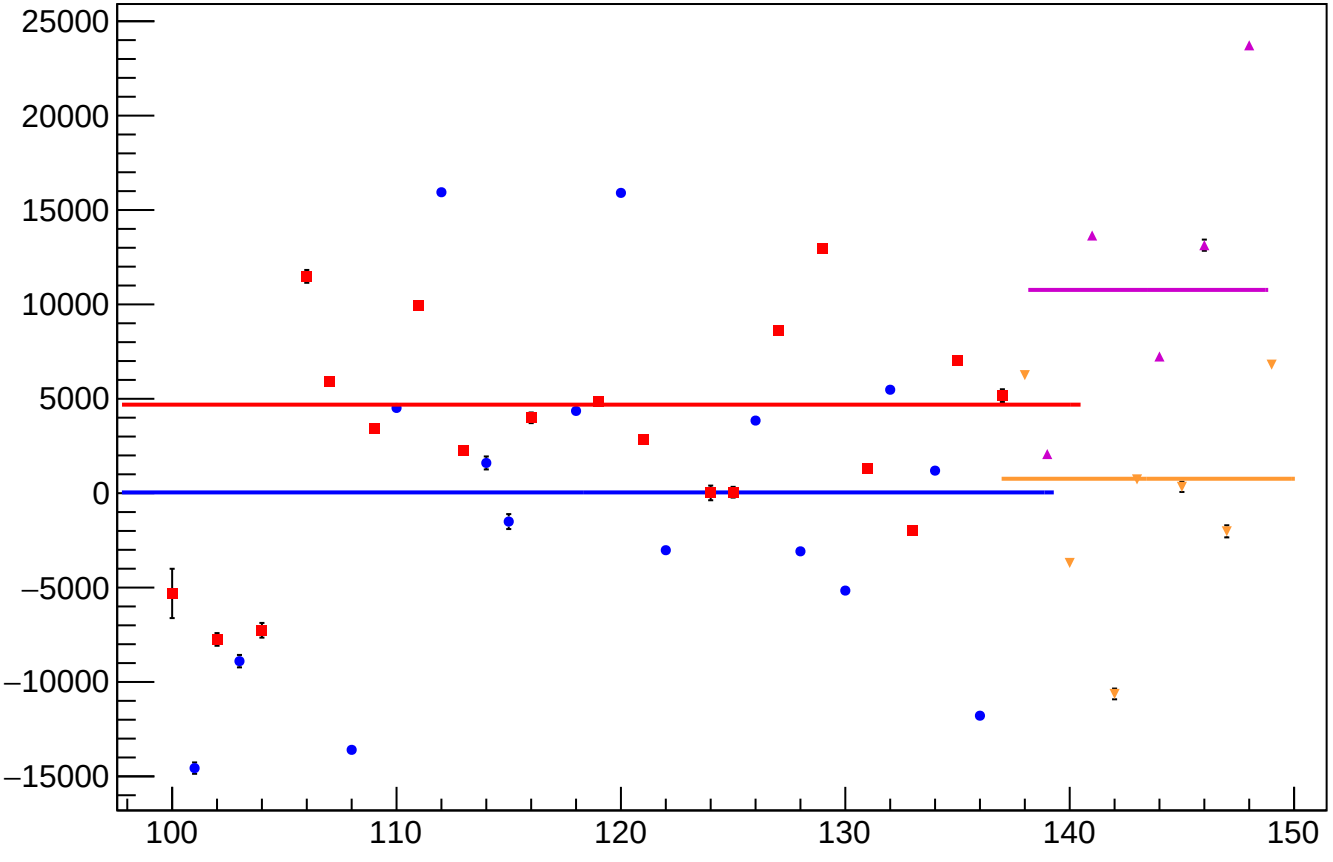
Left In: 187.585+/-0.066 χ^2/NDF:457279.3/4

+ sign 191.095+/-0.039 χ^2/NDF: 1026352.5/22

All: 185.969+/-0.028 χ^2/NDF: 2759166.6/46

- 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: 764.615+/-89.854 χ^2/NDF:3645.4/6

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

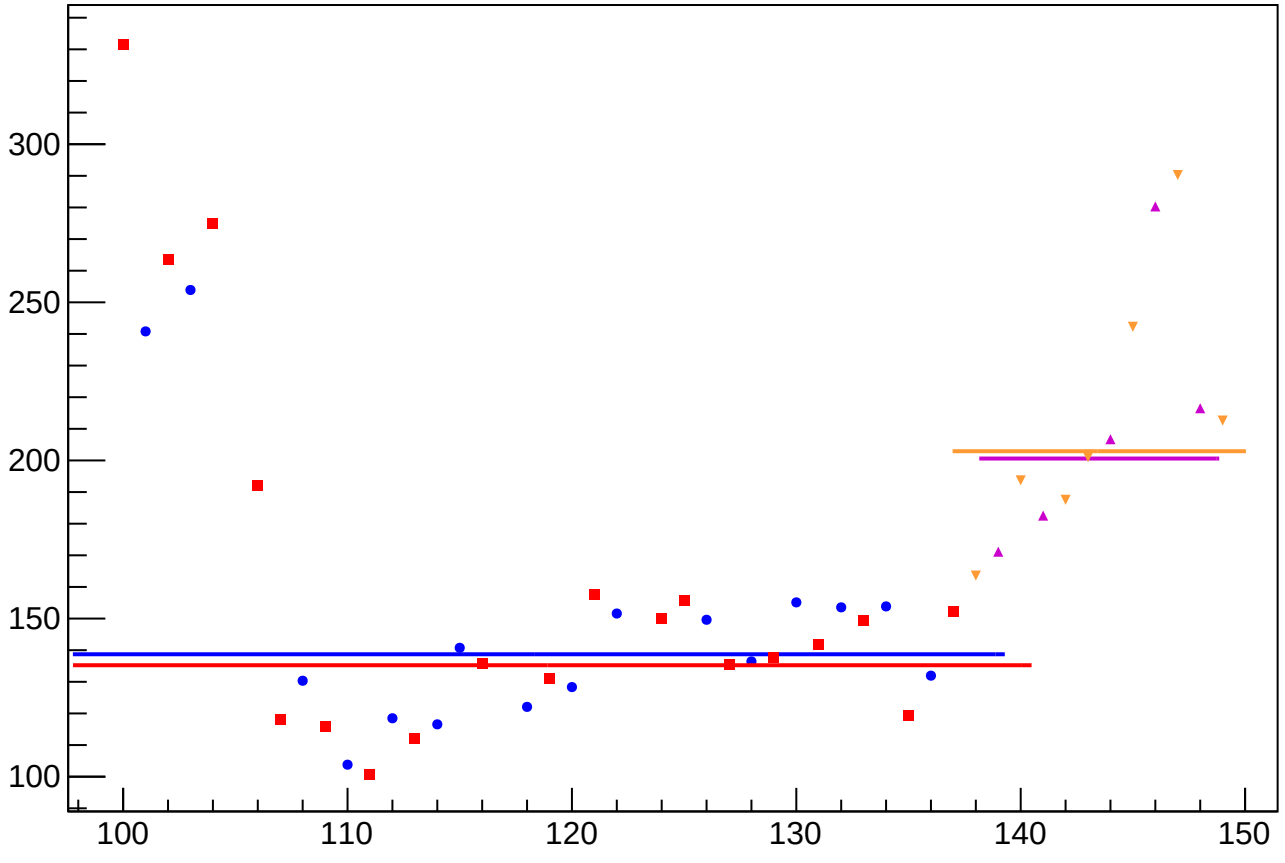
Left In: 10768.103+/-98.547 χ^2/NDF:5431.9/4

+ sign 233.979+/-46.410 χ^2/NDF: 34479.2/22

All: 3147.780+/-32.691 χ^2/NDF: 58504.2/46

- 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: 202.921+/-0.064 χ^2/NDF:292889.2/6

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

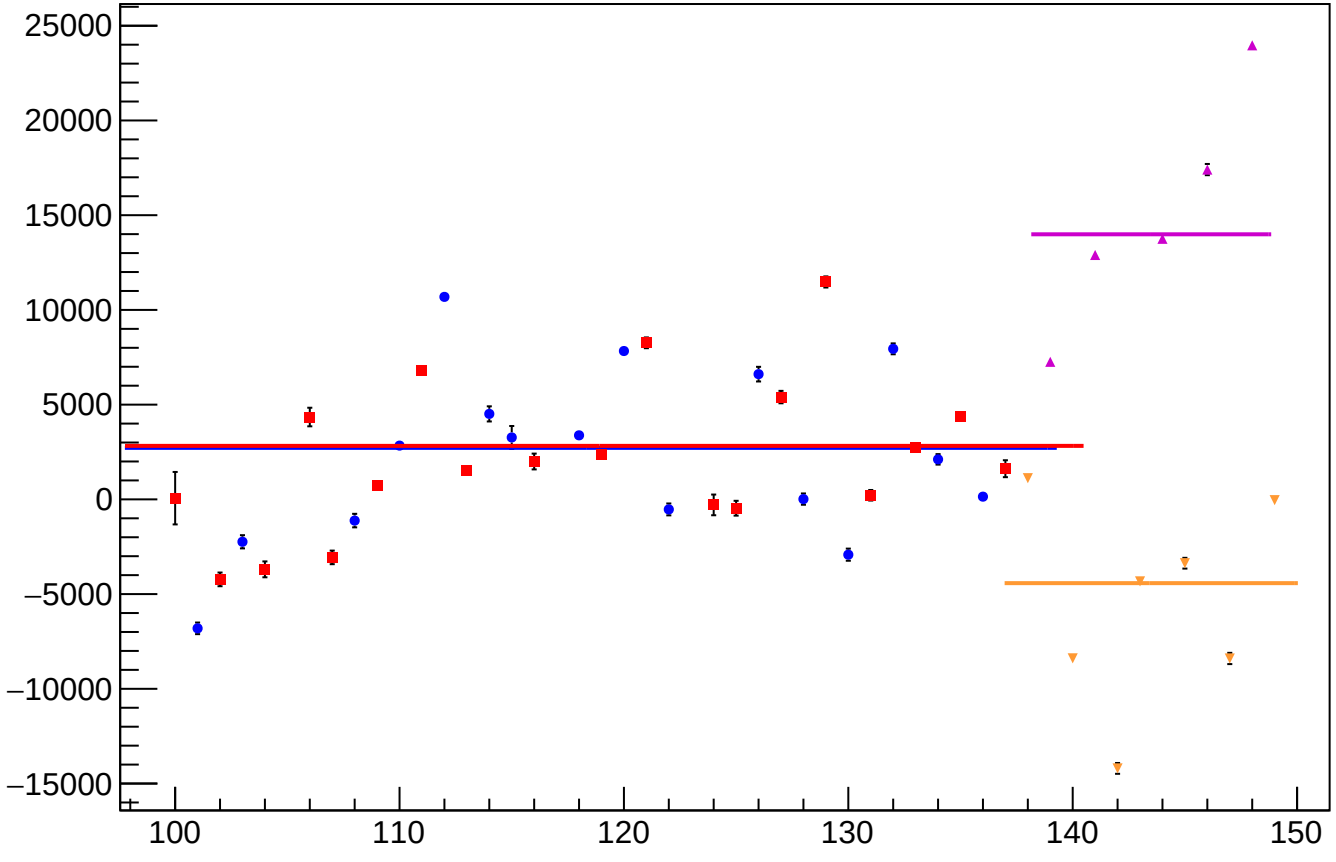
Left In: 200.604+/-0.070 χ^2/NDF:220414.0/4

\+ sign 155.841+/-0.033 χ^2/NDF: 1699511.1/22

All: 152.657+/-0.023 χ^2/NDF: 3516235.7/46

\- 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: -4422.078+/-90.045 χ^2/NDF:2867.6/6

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

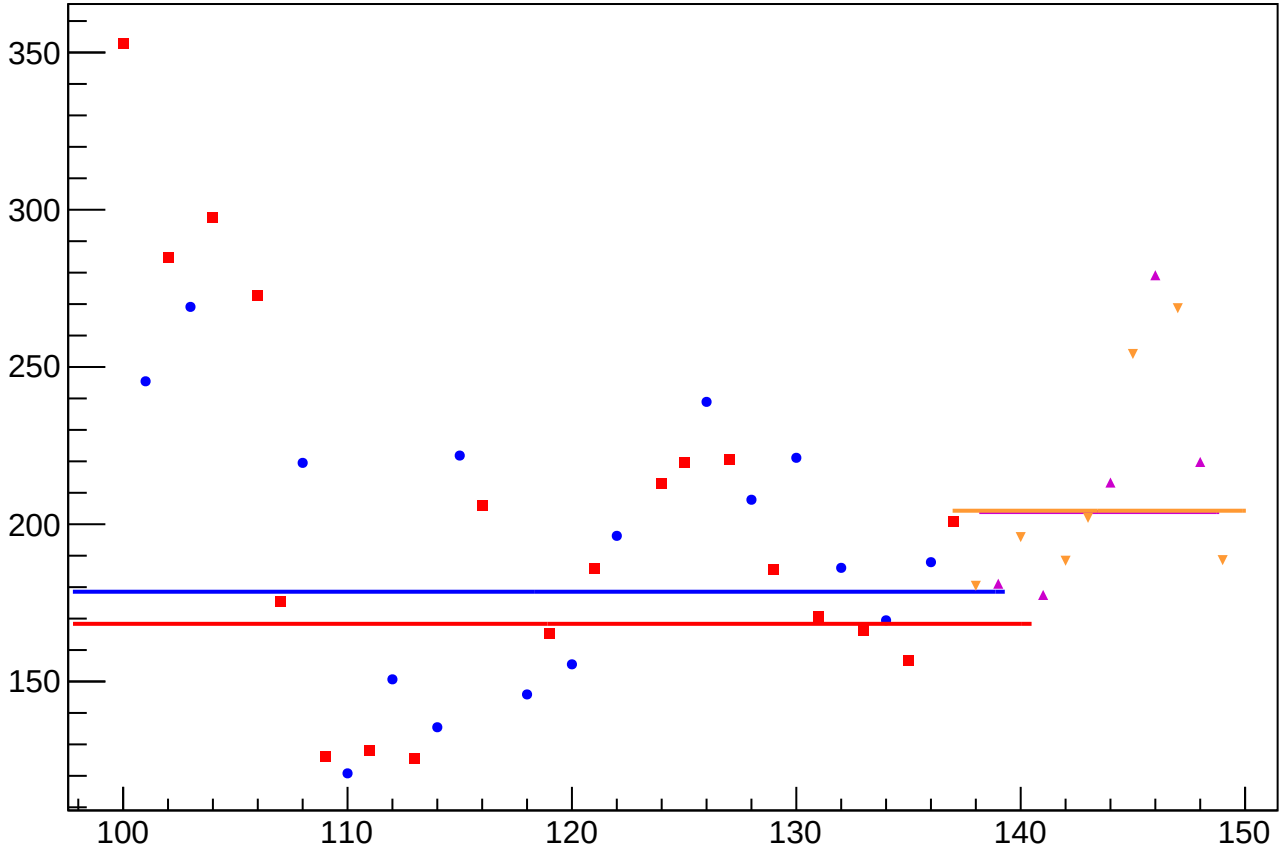
Left In: 13991.705+/-99.732 χ^2/NDF:2957.4/4

+ sign 65.761+/-54.892 χ^2/NDF: 10950.0/22

All: 3133.304+/-38.628 χ^2/NDF: 31969.8/46

- 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: 204.301+/-0.064 χ^2/NDF:203307.6/6

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

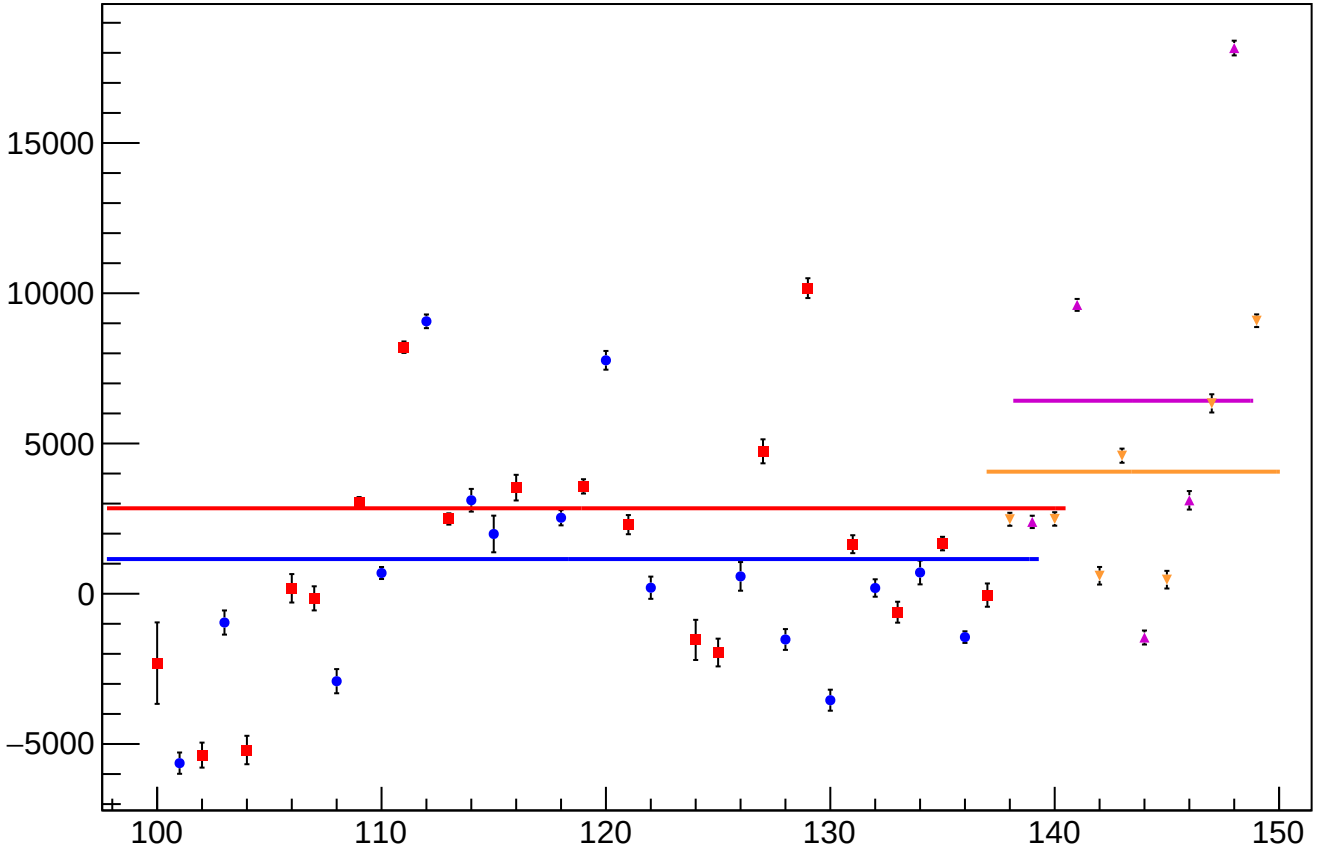
Left In: 203.873+/-0.071 χ^2/NDF:205781.5/4

+ sign 188.114+/-0.039 χ^2/NDF: 980731.8/22

All: 183.461+/-0.027 χ^2/NDF: 2372963.2/46

- 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: 4062.480+/-92.926 χ^2/NDF:1020.2/6

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

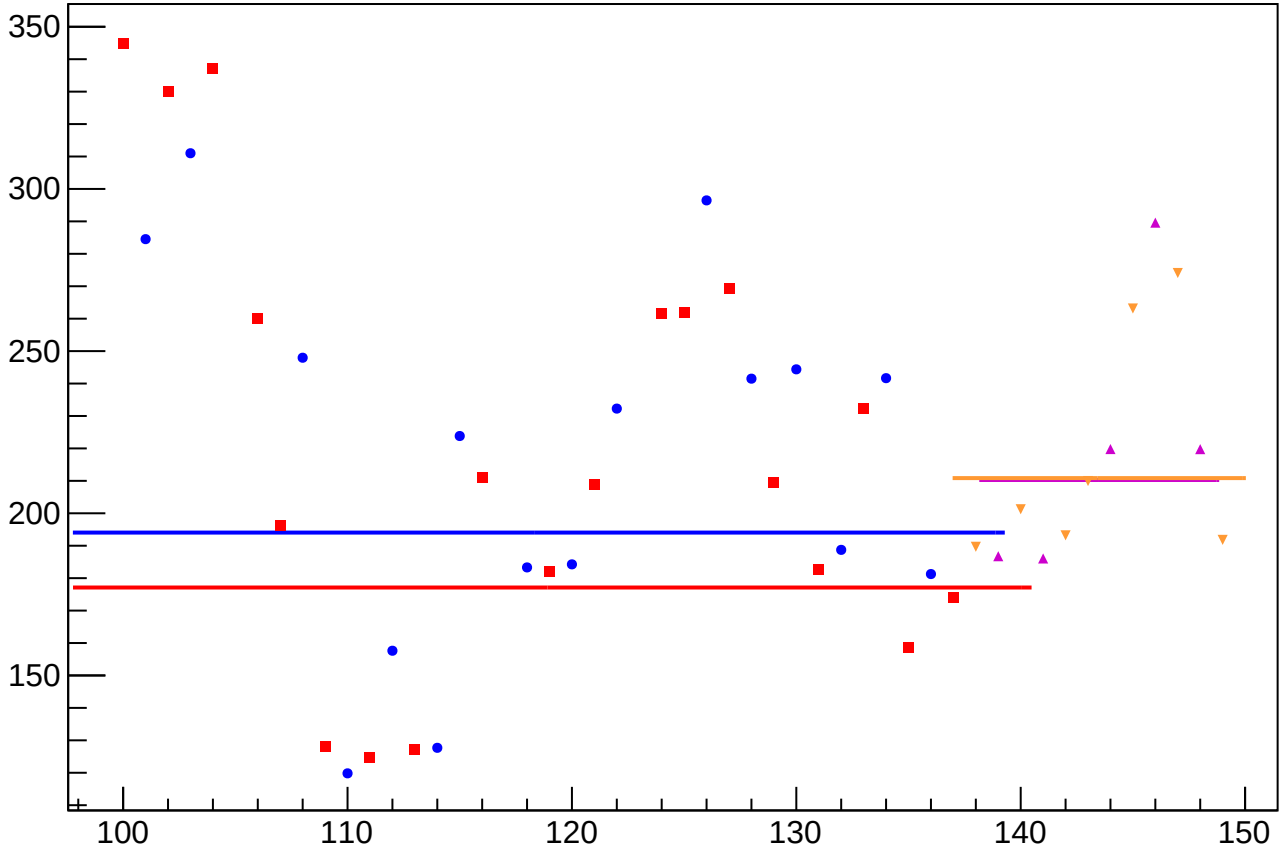
Left In: 6422.846+/-102.826 χ^2/NDF:4189.7/4

\+ sign 2318.809+/-58.810 χ^2/NDF: 4262.8/22

All: 3158.742+/-41.068 χ^2/NDF: 12138.1/46

\- 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: 210.847+/-0.066 χ^2/NDF:196634.9/6

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

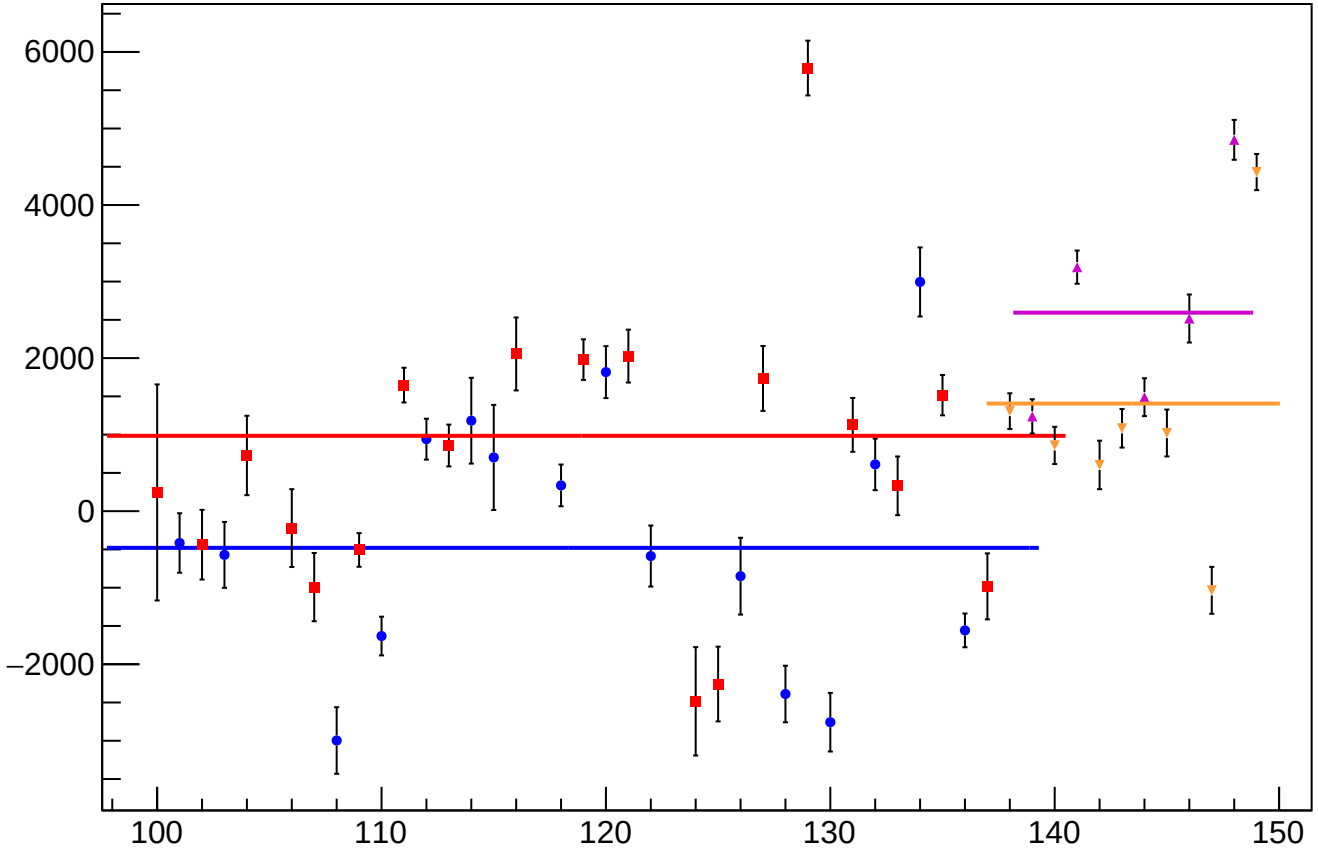
Left In: 210.270+/-0.073 χ^2/NDF:194829.5/4

+ sign 200.779+/-0.042 χ^2/NDF: 1201581.7/22

All: 193.944+/-0.029 χ^2/NDF: 2951687.1/46

- 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: 1406.365+/-99.862 χ^2/NDF:242.3/6

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

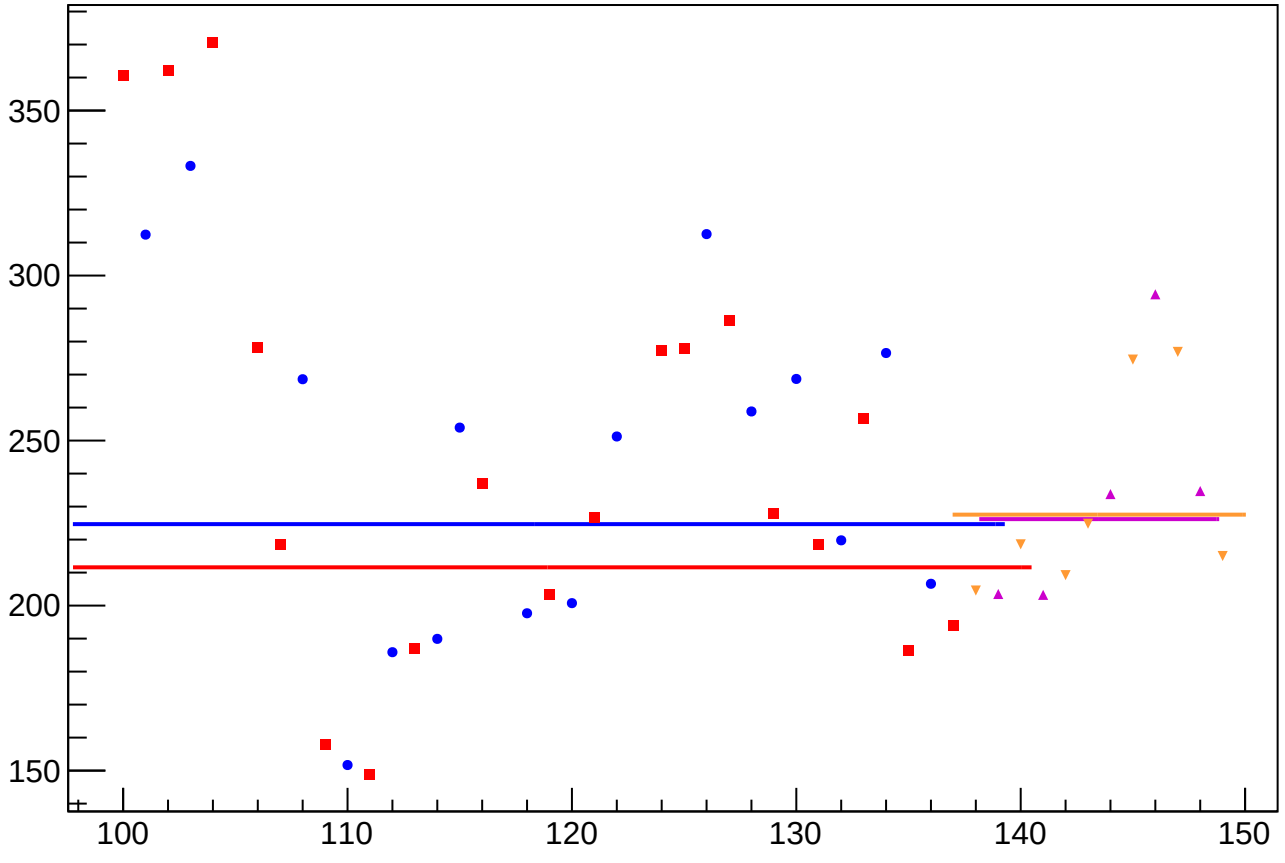
Left In: 2593.760+/-110.113 χ^2/NDF:139.3/4

+ sign 330.997+/-65.462 χ^2/NDF: 751.1/22

All: 942.286+/-46.203 χ^2/NDF: 1601.0/46

- 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: 227.560+/-0.071 χ^2/NDF:133624.6/6

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

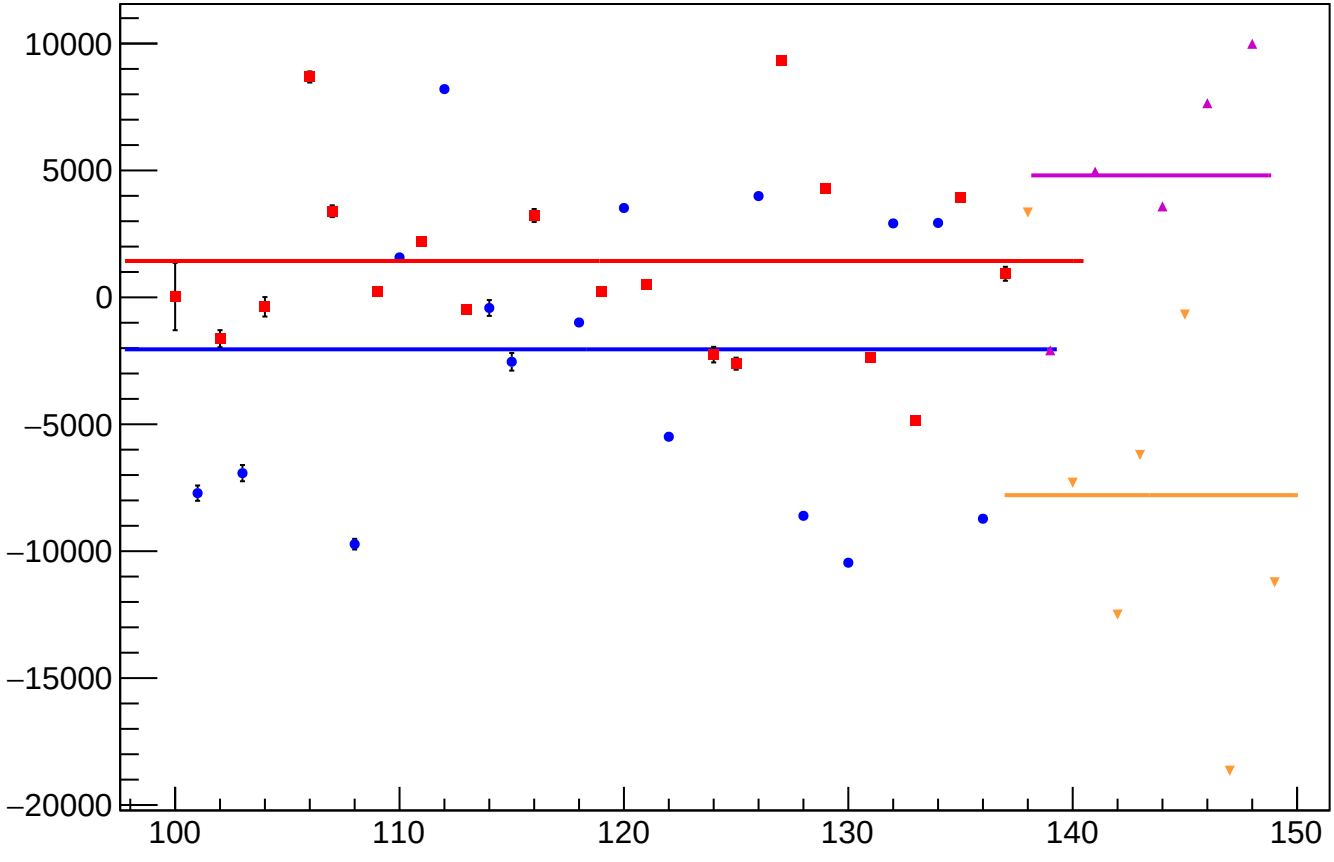
Left In: 226.200+/-0.078 χ^2/NDF:141247.6/4

+ sign 225.919+/-0.046 χ^2/NDF: 787764.7/22

All: 221.302+/-0.033 χ^2/NDF: 1904582.5/46

- 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: -7792.158+/-48.936 χ^2/NDF:19956.2/6

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

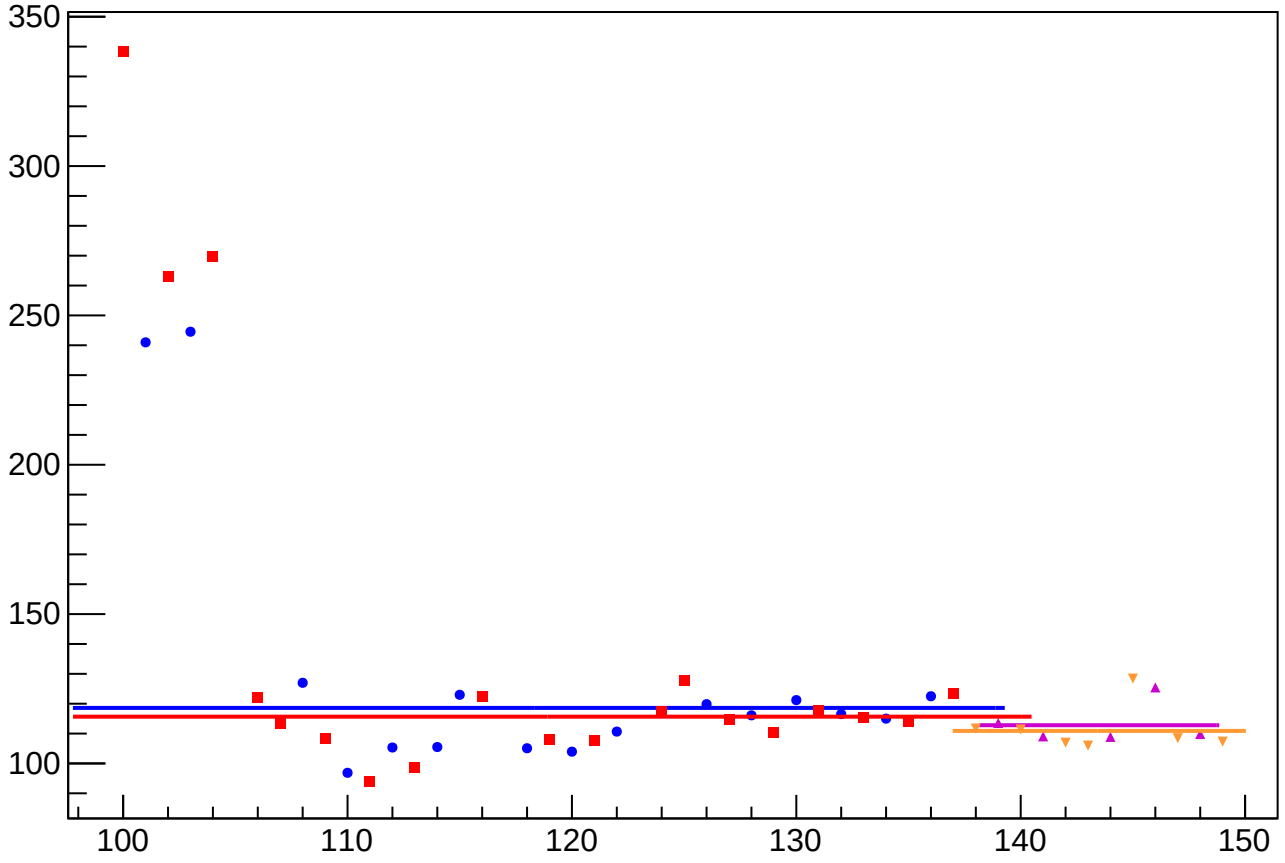
Left In: 4805.199+/-54.954 χ^2/NDF:5341.9/4

+ sign -4786.817+/-33.793 χ^2/NDF: 43875.1/22

All: -1104.133+/-24.206 χ^2/NDF: 82261.5/46

- 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: 110.891+/-0.035 χ^2/NDF:36512.9/6

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

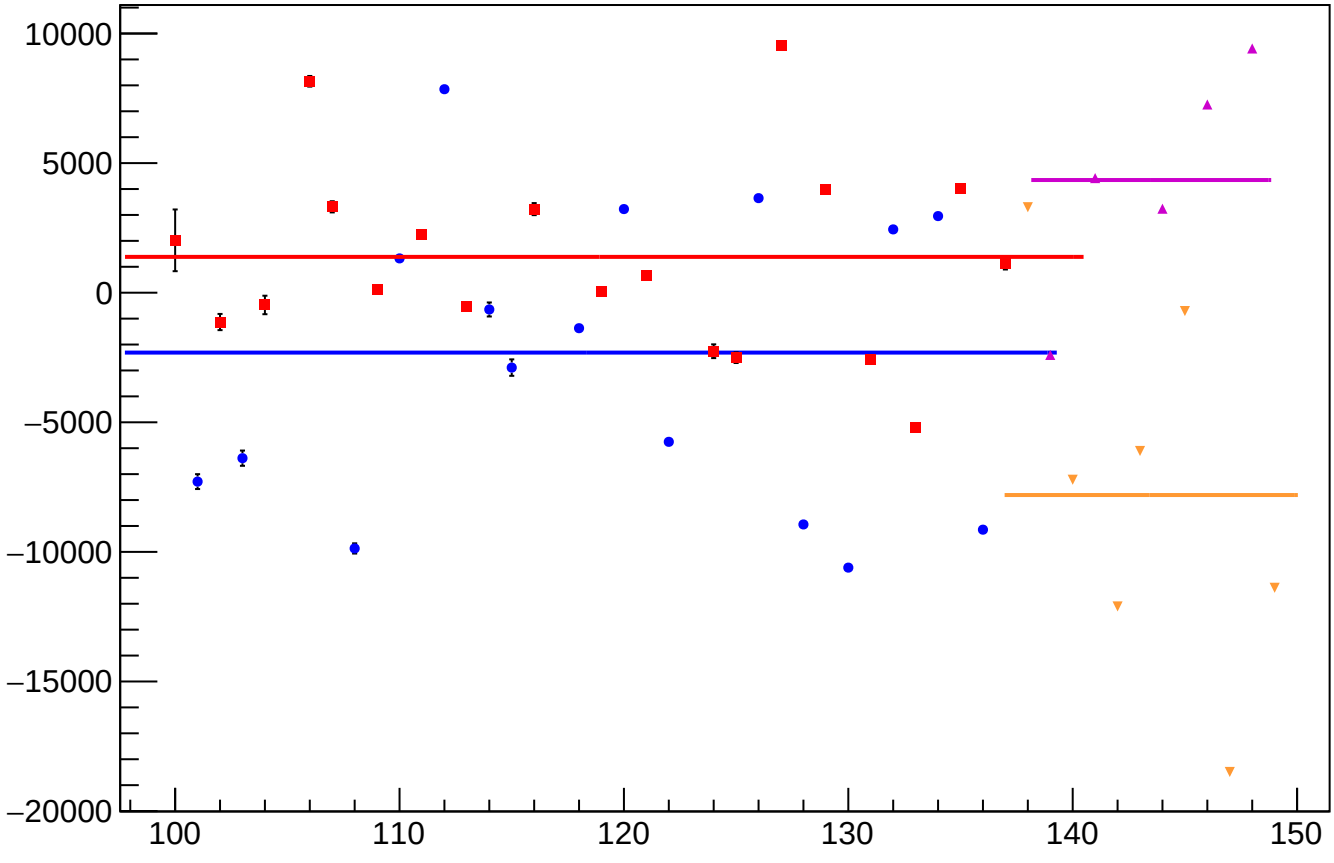
Left In: 112.799+/-0.039 χ^2/NDF:23347.4/4

+ sign 114.922+/-0.024 χ^2/NDF: 796606.0/22

All: 114.726+/-0.017 χ^2/NDF: 1687557.3/46

- 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: -7806.247+/-45.001 χ^2/NDF:23232.8/6

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

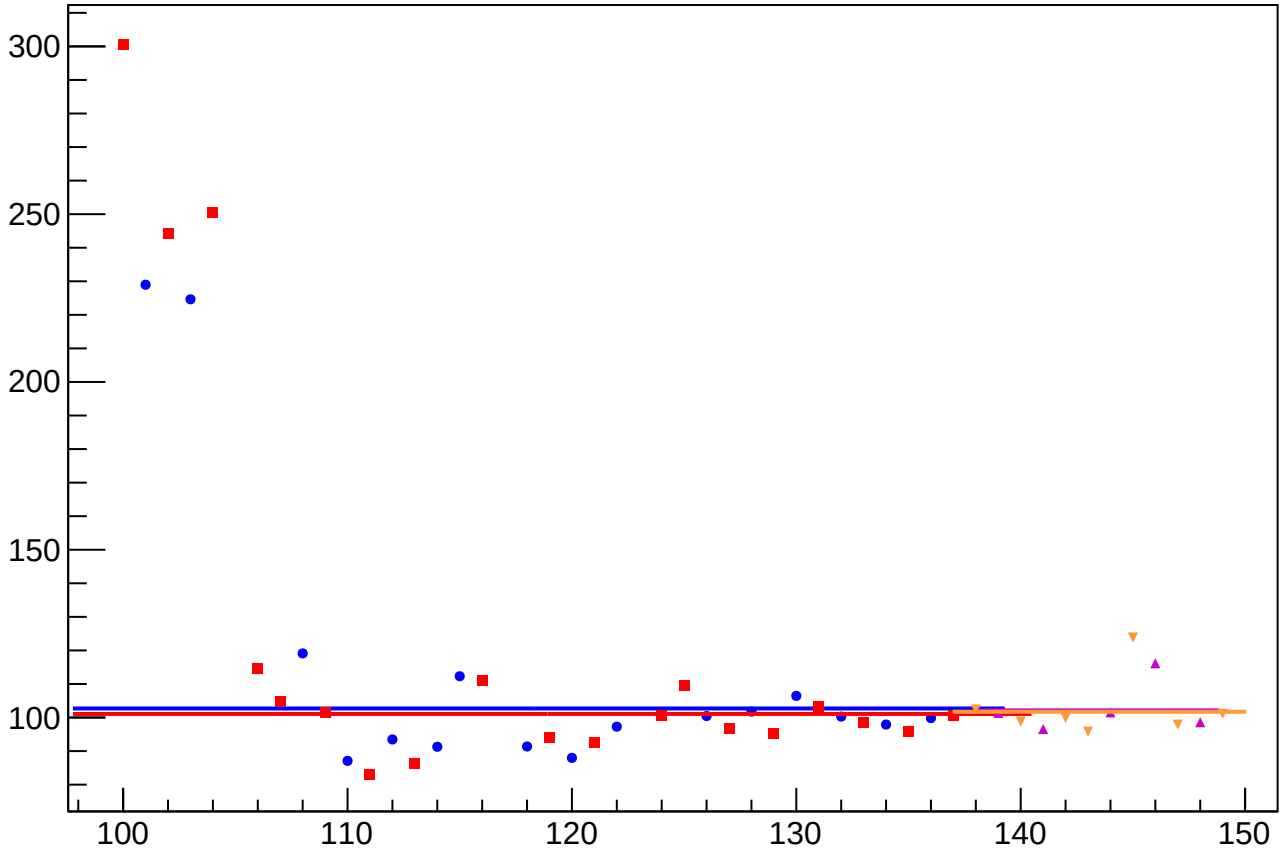
Left In: 4347.442+/-49.858 χ^2/NDF:6347.0/4

+ sign -4785.610+/-30.200 χ^2/NDF: 53109.7/22

All: -1214.738+/-21.592 χ^2/NDF: 98819.7/46

- 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: 101.725+/-0.032 χ^2/NDF:60267.1/6

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

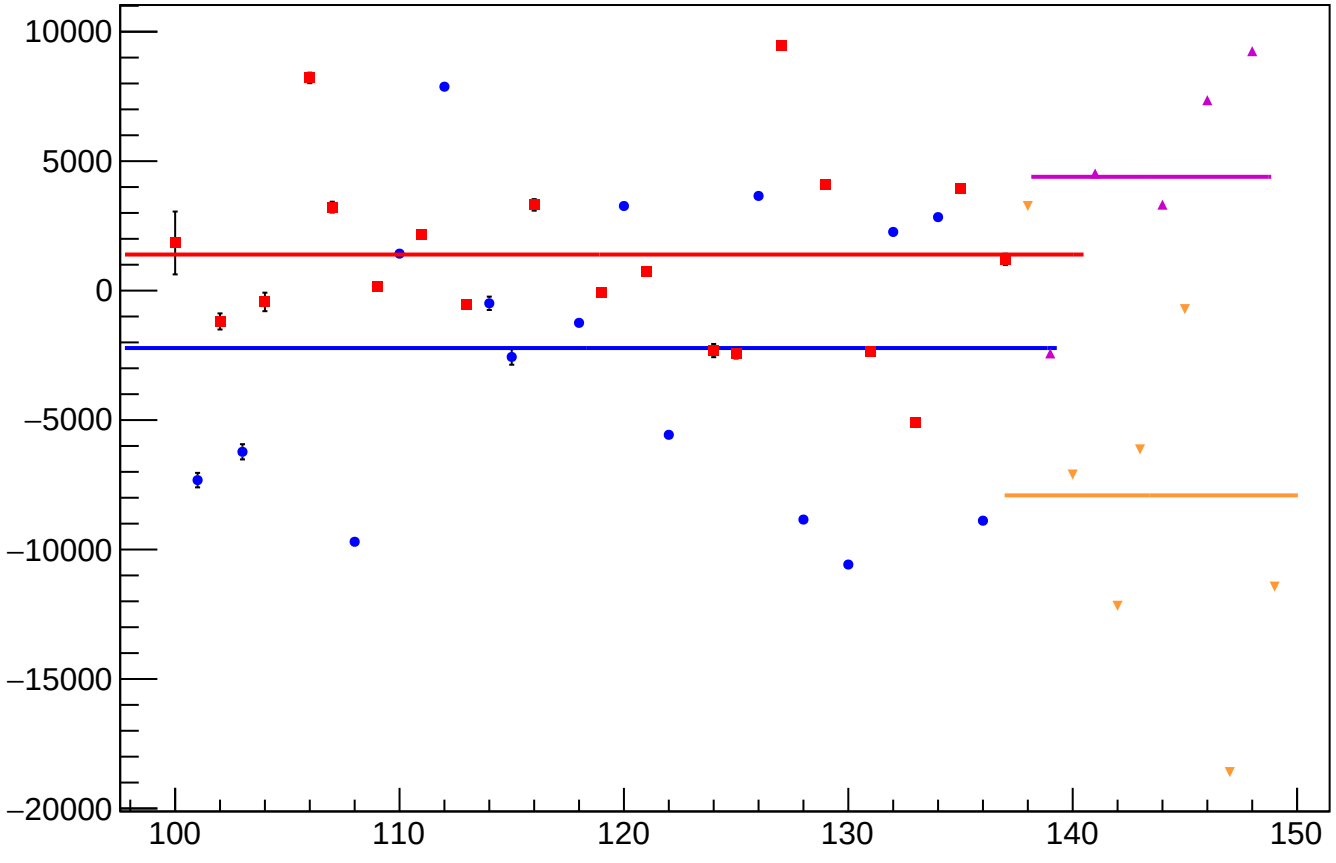
Left In: 102.130+/-0.035 χ^2/NDF:33498.7/4

+ sign 102.257+/-0.021 χ^2/NDF: 886578.2/22

All: 101.874+/-0.015 χ^2/NDF: 1851759.3/46

- 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: -7907.760+/-43.571 χ^2/NDF:25380.4/6

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

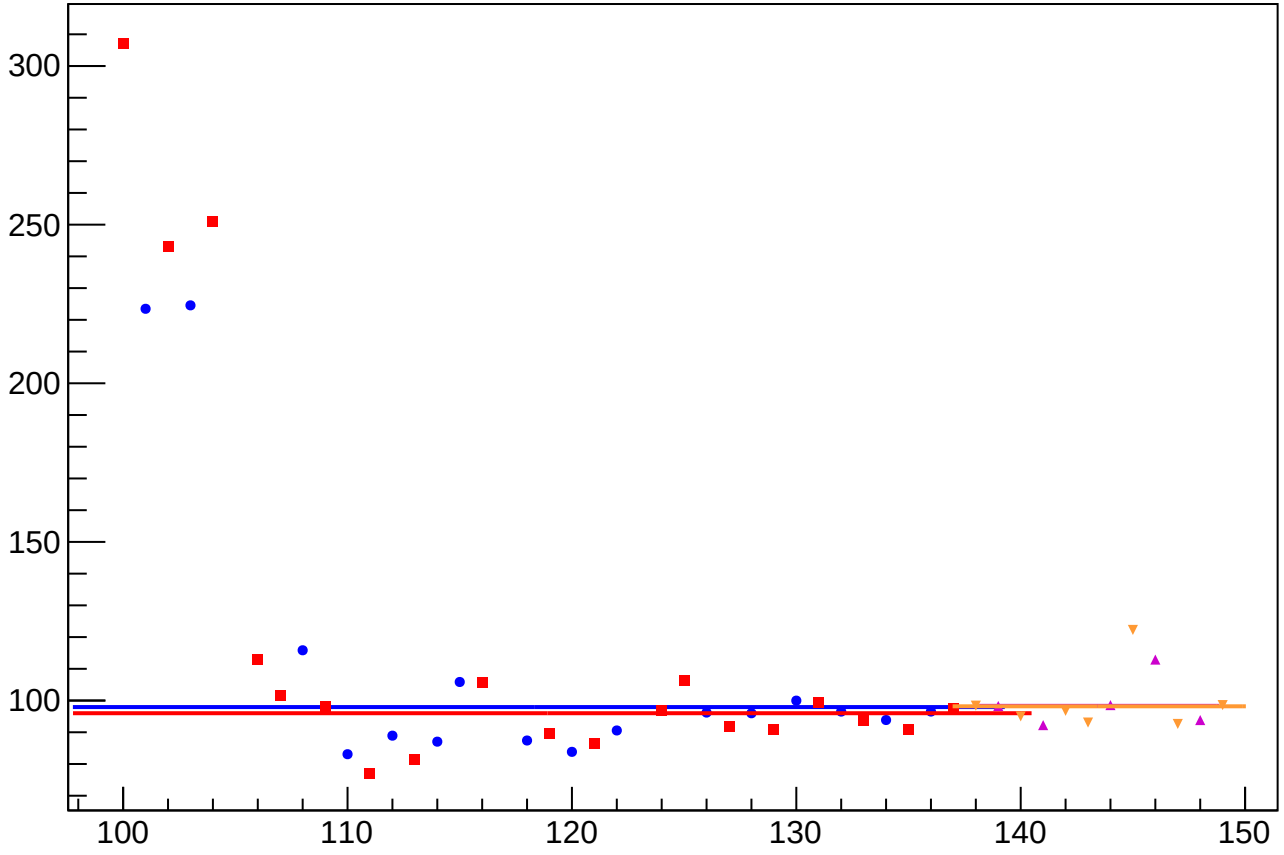
Left In: 4395.488+/-48.154 χ^2/NDF:6702.2/4

+ sign -4751.682+/-29.075 χ^2/NDF: 57880.0/22

All: -1179.195+/-20.751 χ^2/NDF: 106920.7/4

- 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: 98.184+/-0.031 χ^2/NDF:72984.5/6

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

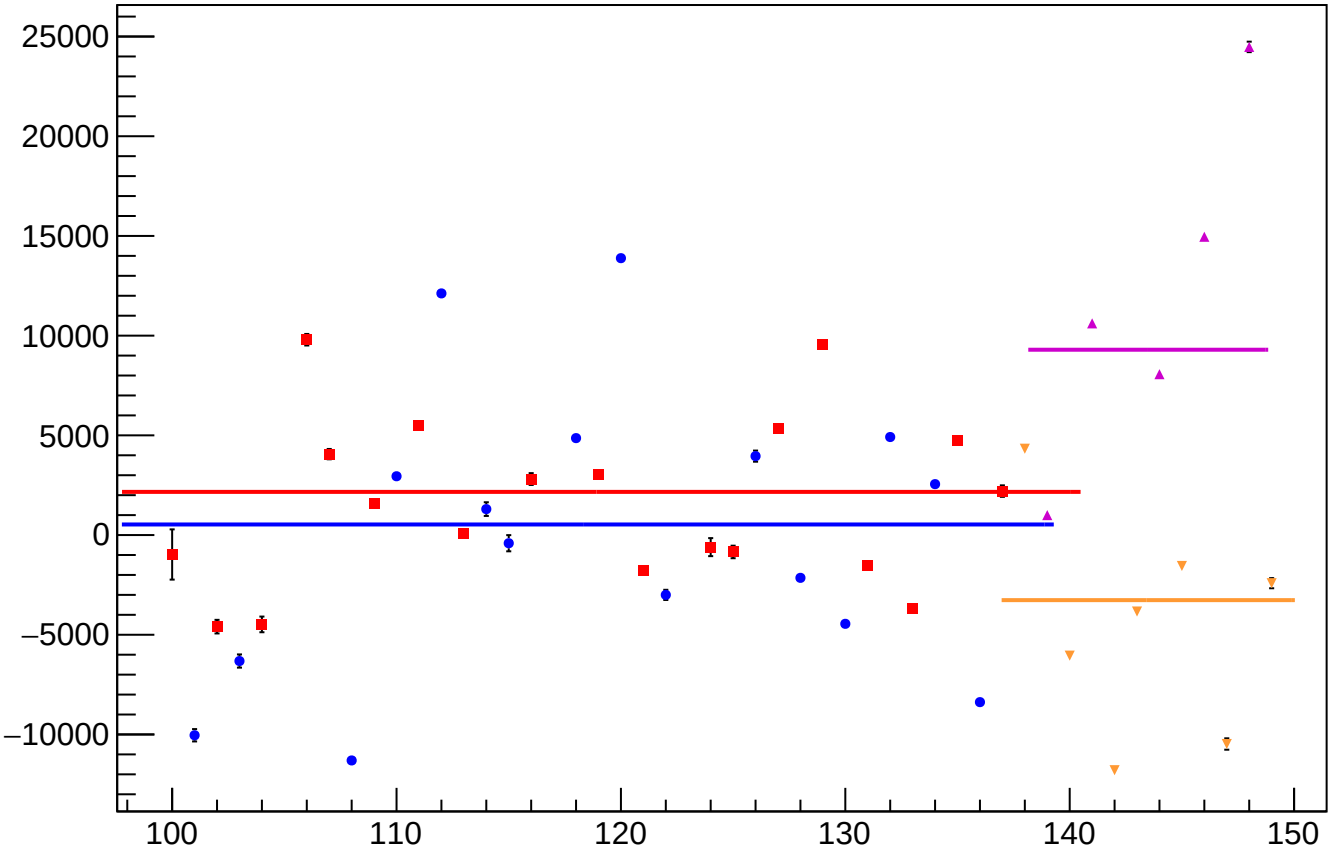
Left In: 98.327+/-0.034 χ^2/NDF:40155.8/4

+ sign 98.051+/-0.021 χ^2/NDF: 941166.7/22

All: 97.478+/-0.015 χ^2/NDF: 1998081.1/46

- 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: -3263.882+/-74.098 χ^2/NDF:4744.0/6

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

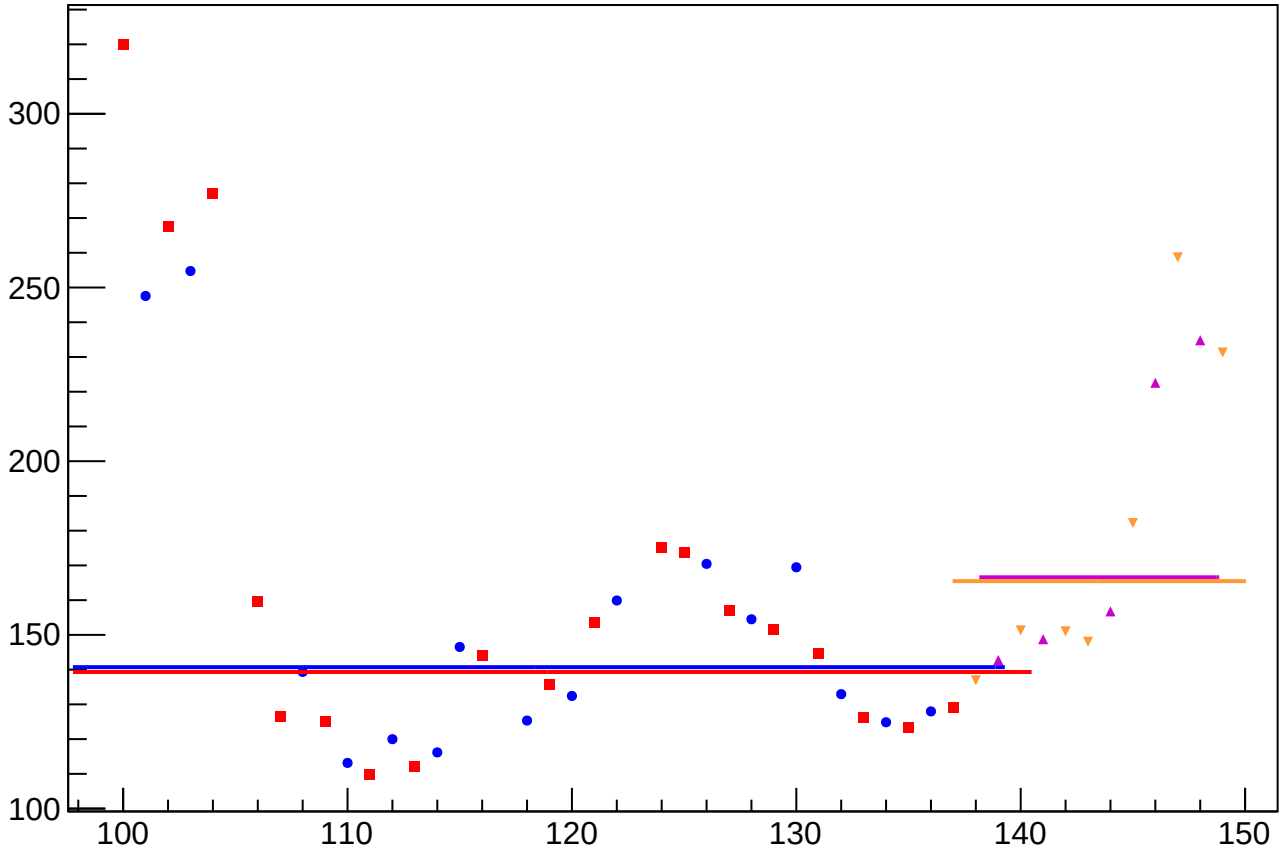
Left In: 9293.677+/-82.259 χ^2/NDF:6801.2/4

+ sign -812.757+/-44.088 χ^2/NDF: 25025.6/22

All: 1692.314+/-31.432 χ^2/NDF: 48639.7/46

- 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: 165.471+/-0.052 χ^2/NDF:471756.1/6

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

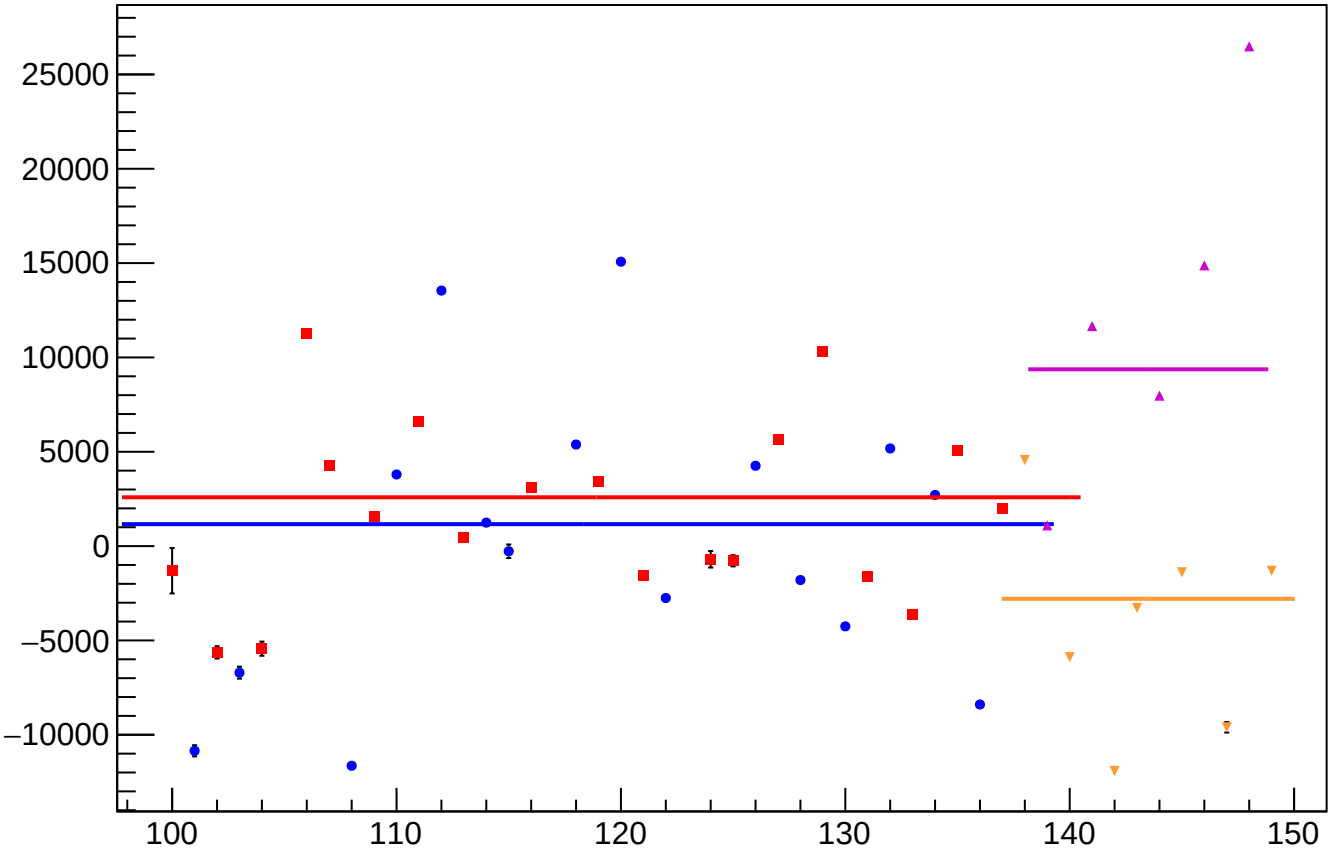
Left In: 166.578+/-0.058 χ^2/NDF:325790.2/4

+ sign 149.479+/-0.031 χ^2/NDF: 1291585.2/22

All: 148.463+/-0.022 χ^2/NDF: 2576292.8/46

- 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: -2793.783+/-66.531 χ^2/NDF:6132.1/6

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

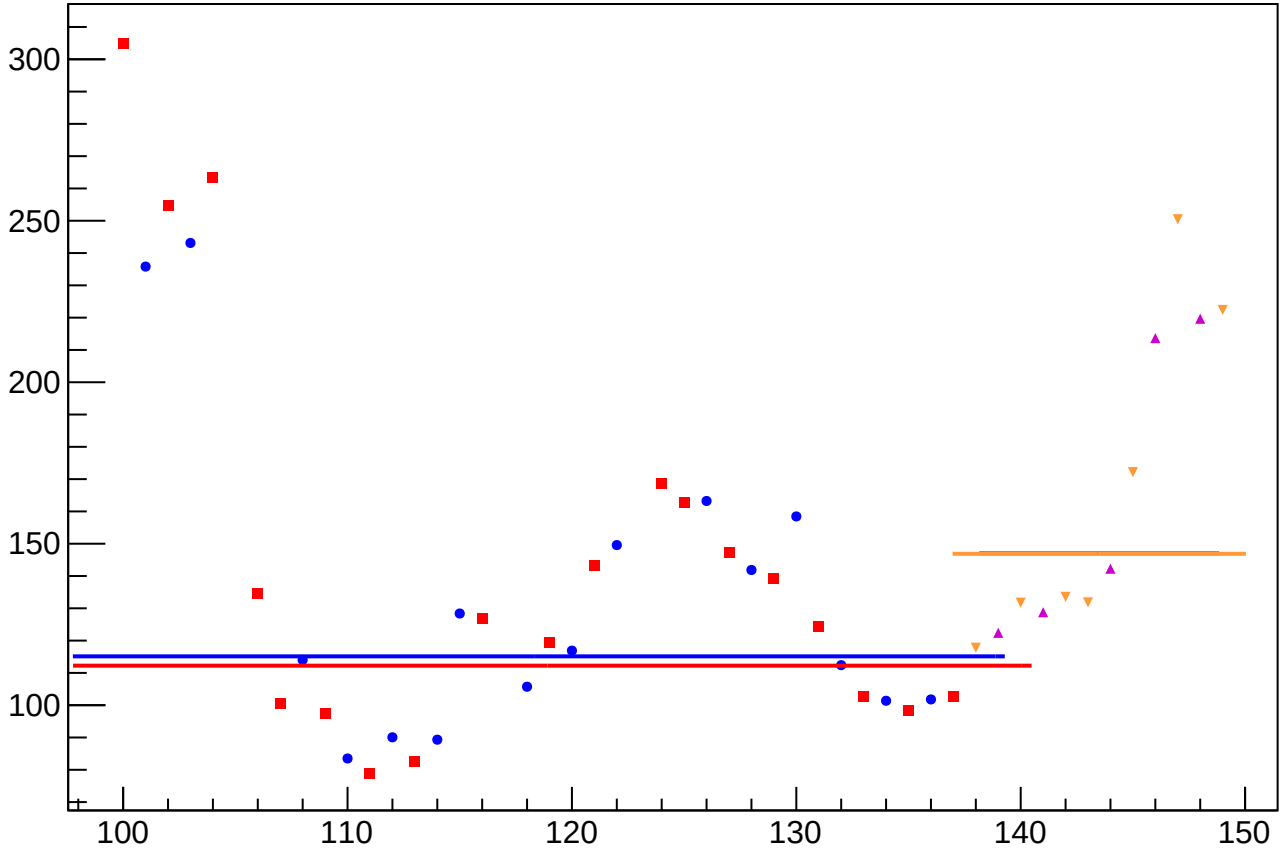
Left In: 9370.746+/-73.442 χ^2/NDF:9415.3/4

+ sign -114.125+/-37.798 χ^2/NDF: 39281.8/22

All: 2133.484+/-26.765 χ^2/NDF: 70148.5/46

- 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: 146.884+/-0.047 χ^2/NDF:649059.6/6

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

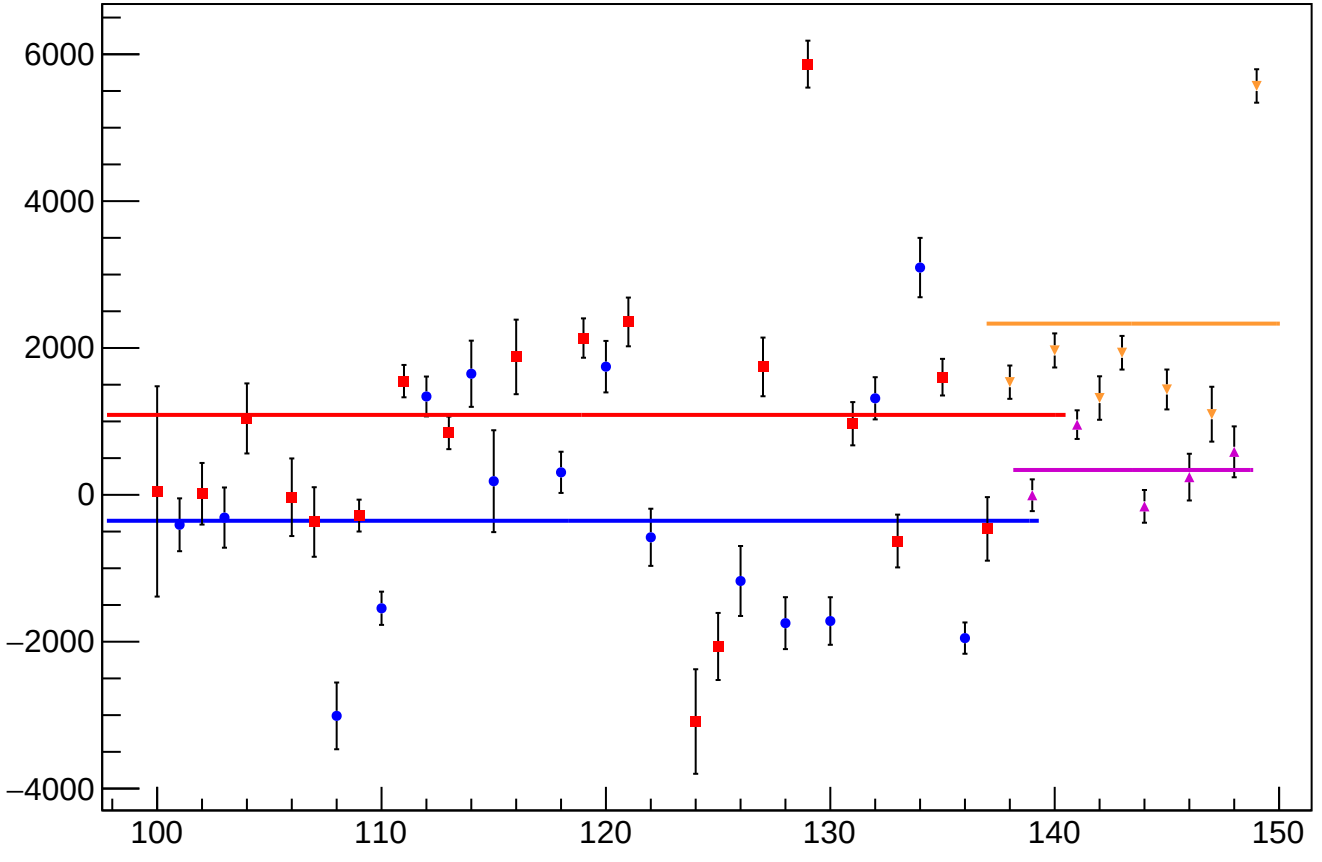
Left In: 147.027+/-0.052 χ^2/NDF:447714.0/4

+ sign 125.376+/-0.027 χ^2/NDF: 2070687.5/22

All: 123.448+/-0.019 χ^2/NDF: 4186168.0/46

- 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: 2331.890+/-96.030 χ^2/NDF:253.3/6

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

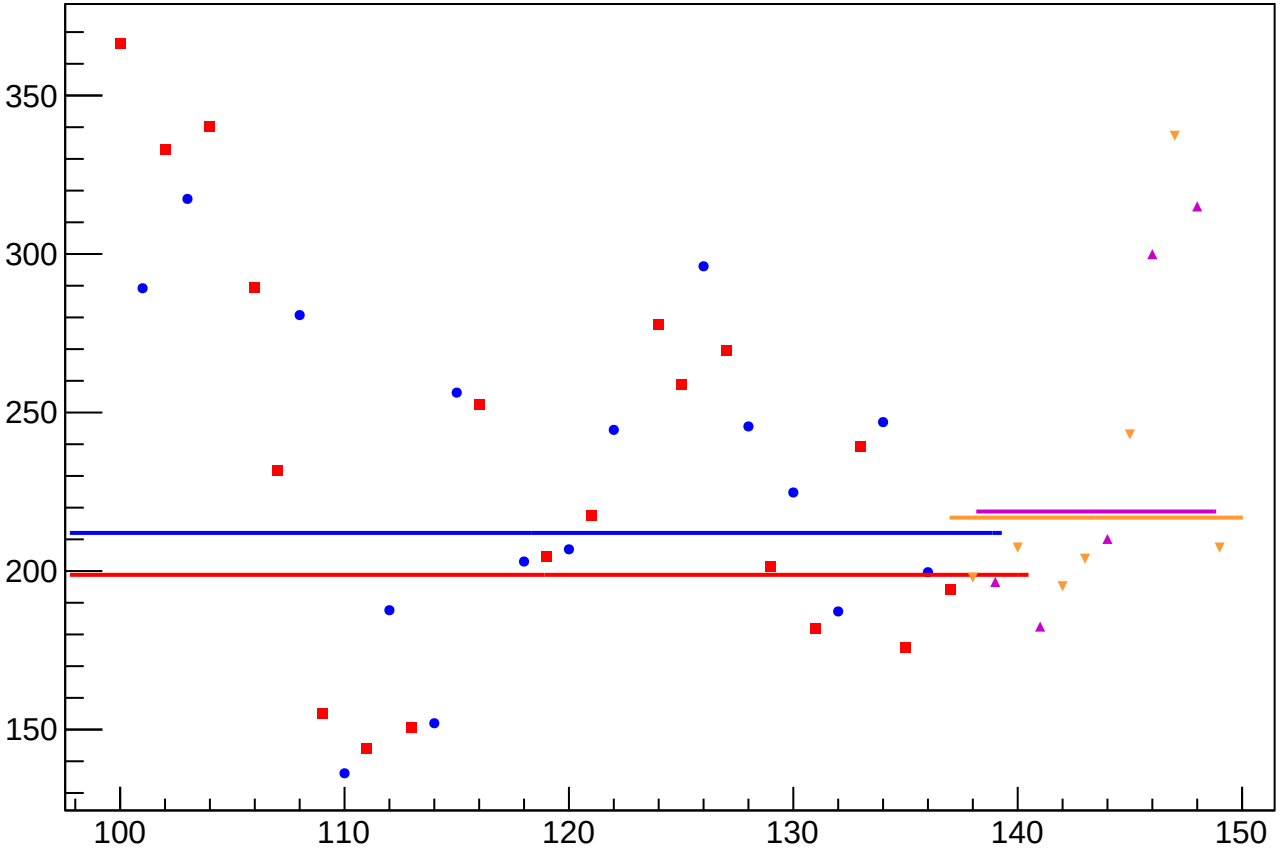
Left In: 338.716+/-107.830 χ^2/NDF:18.1/4

\+ sign 781.257+/-62.418 χ^2/NDF: 1066.6/22

All: 809.594+/-44.117 χ^2/NDF: 1564.4/46

\- 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: 216.848+/-0.068 χ^2/NDF:264286.4/6

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

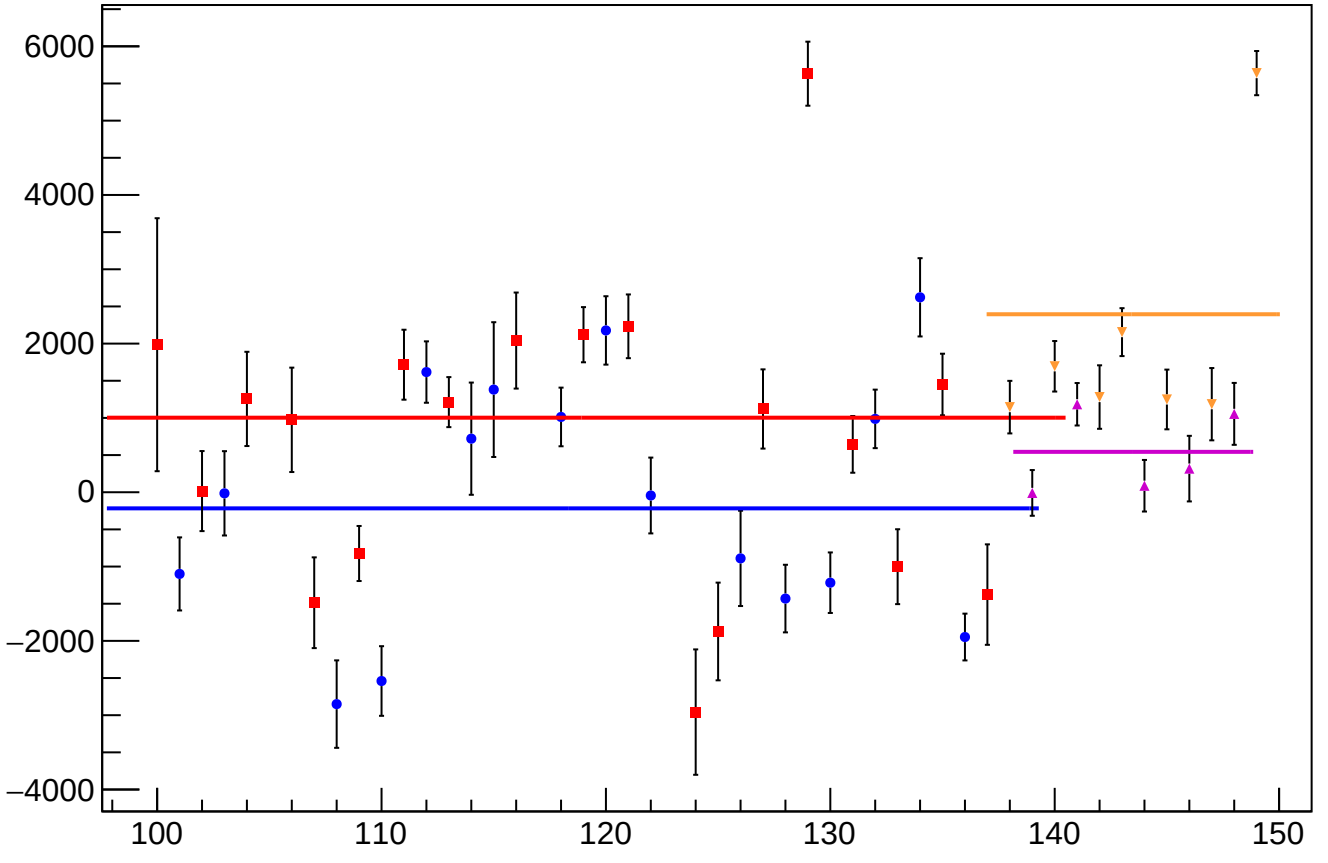
Left In: 218.782+/-0.076 χ^2/NDF:377760.7/4

+ sign 214.064+/-0.044 χ^2/NDF: 957554.4/22

All: 209.773+/-0.031 χ^2/NDF: 2374796.1/46

- 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: 2394.941+/-136.726 χ^2/NDF:157.5/6

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

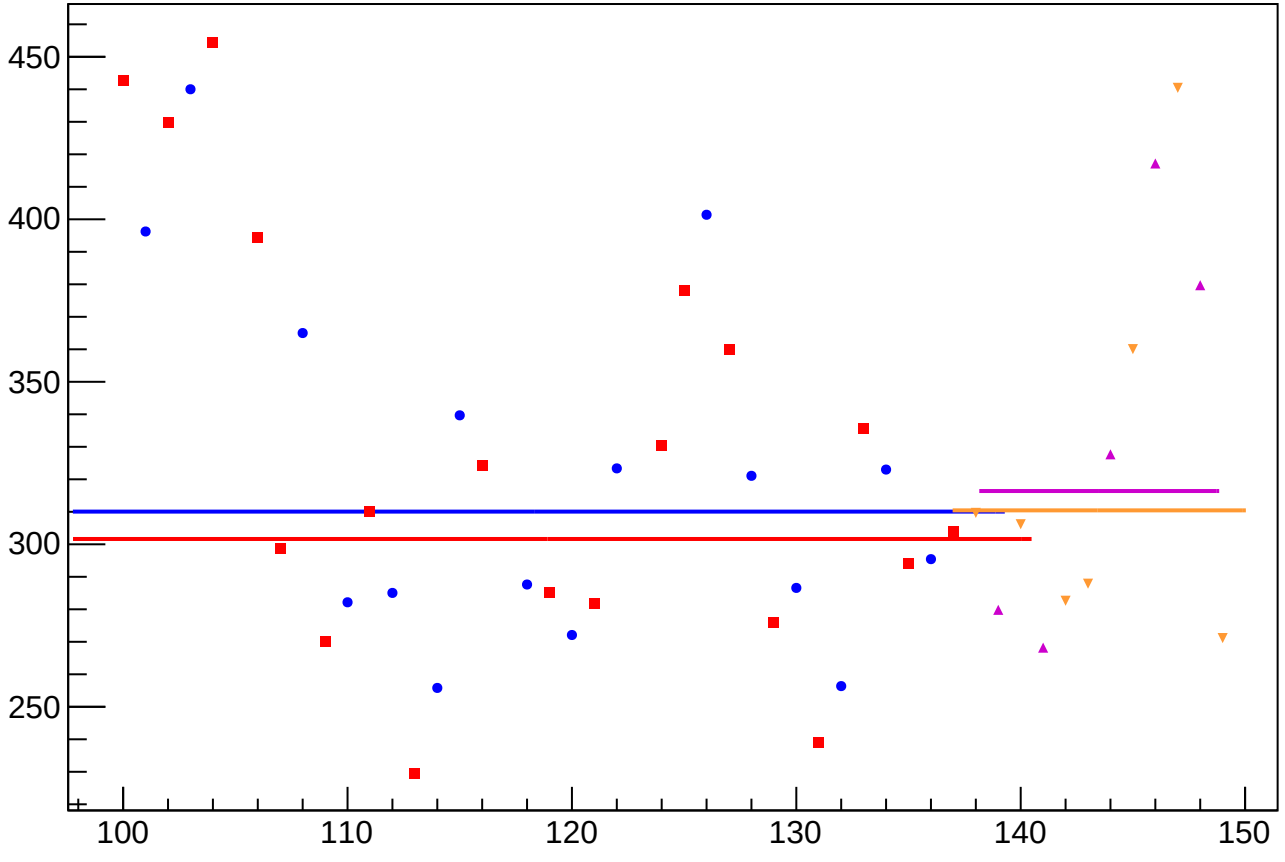
Left In: 543.452+/-154.266 χ^2/NDF:11.7/4

+ sign 896.797+/-89.282 χ^2/NDF: 559.0/22

All: 870.160+/-63.806 χ^2/NDF: 831.1/46

- 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: 310.441+/-0.097 χ^2/NDF:226977.1/6

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

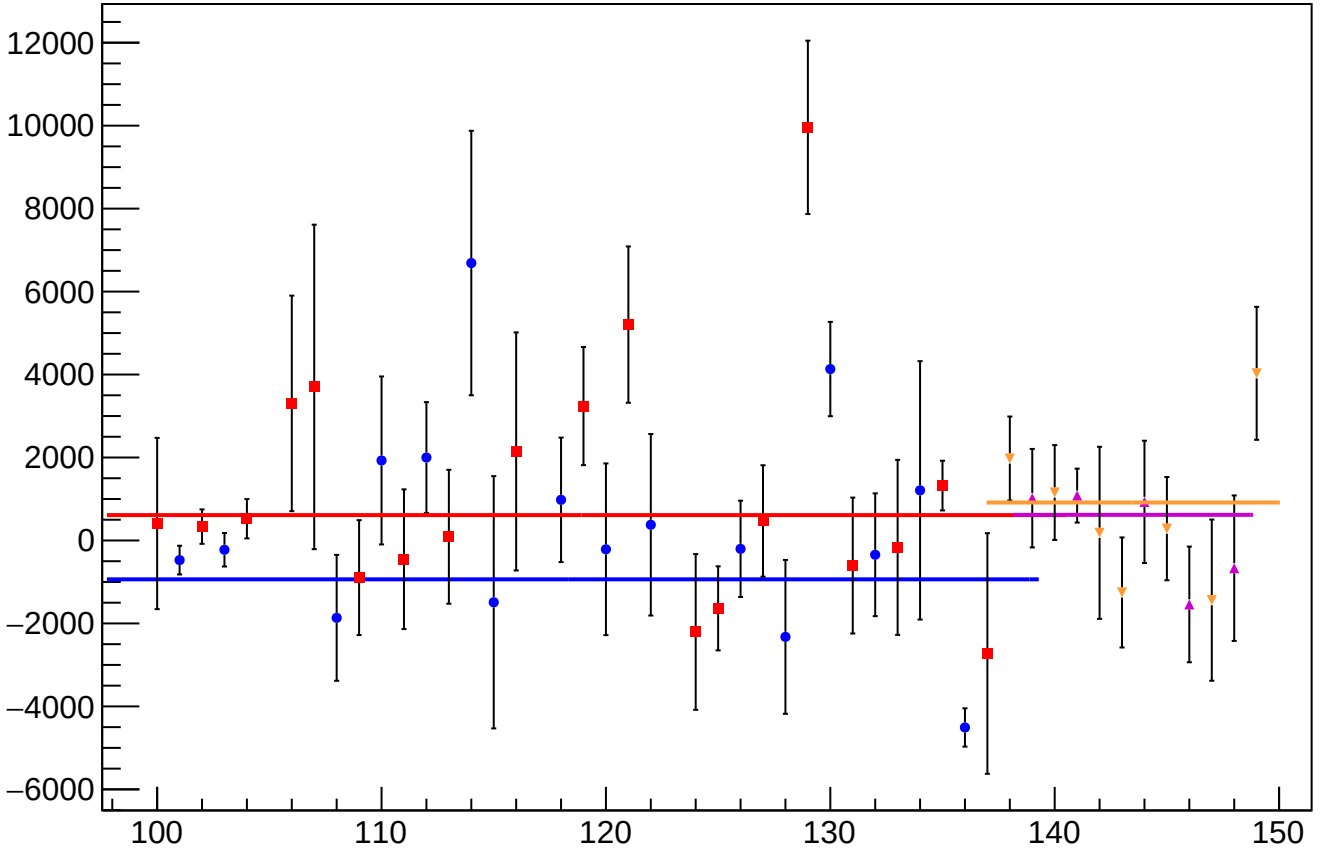
Left In: 316.393+/-0.109 χ^2/NDF:237809.8/4

+ sign 310.224+/-0.063 χ^2/NDF: 550269.4/22

All: 308.547+/-0.045 χ^2/NDF: 1321310.9/46

- 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: 915.029+/-510.151 χ^2/NDF:9.4/6

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

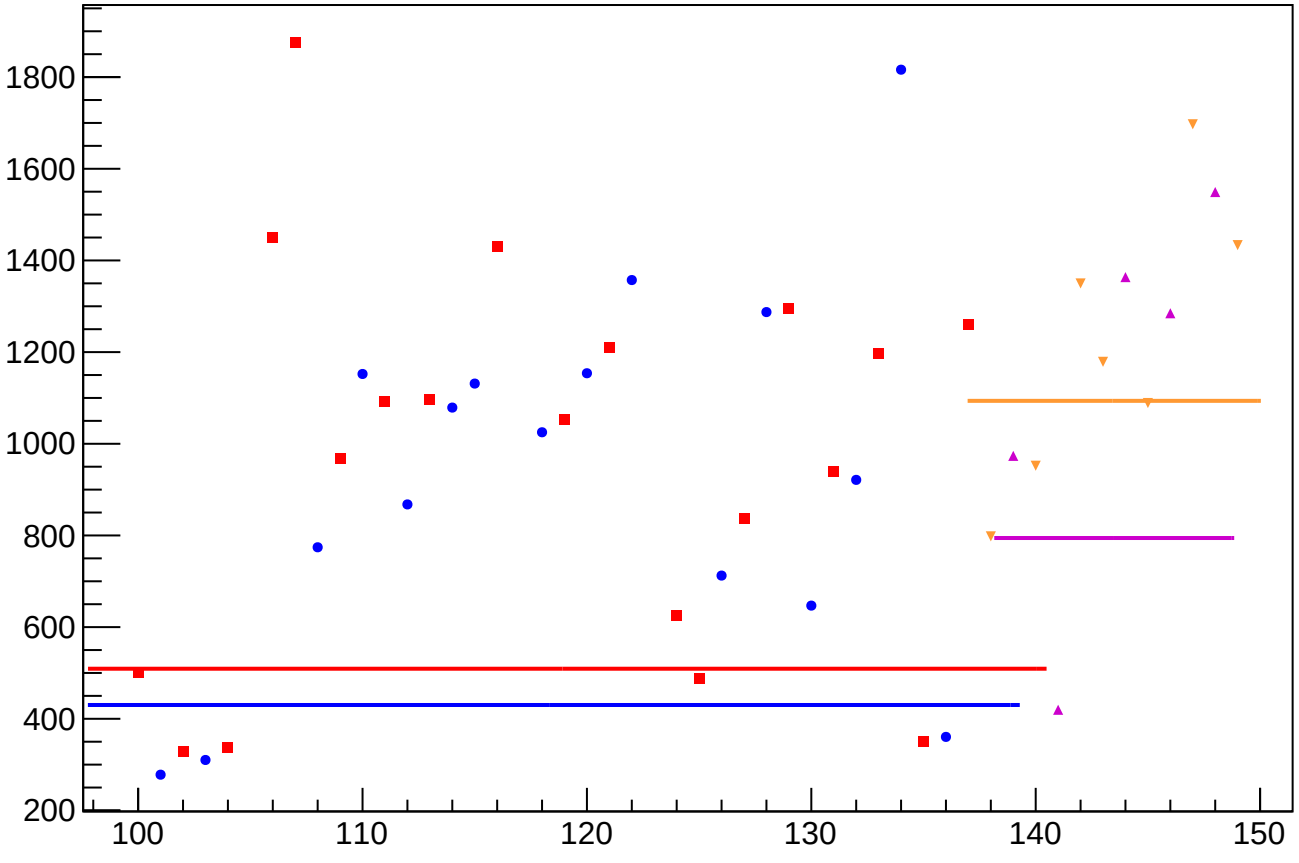
Left In: 617.415+/-478.039 χ^2/NDF:3.6/4

+ sign -680.087+/-189.990 χ^2/NDF: 122.0/22

All: -96.800+/-140.752 χ^2/NDF: 190.6/46

- 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: 1093.683+/-0.361 χ^2/NDF:522887.6/6

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

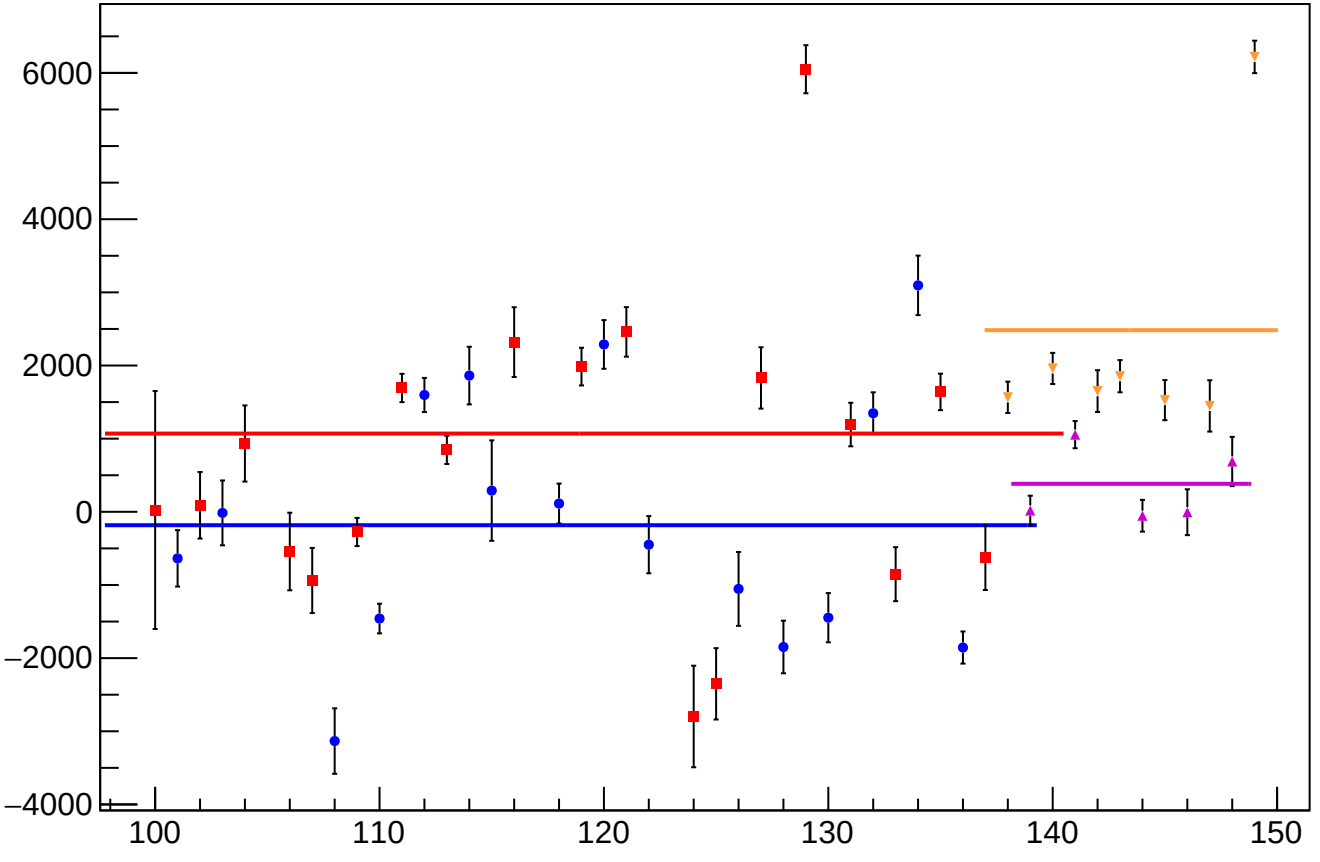
Left In: 794.418+/-0.338 χ^2/NDF:1626316.6/4

+ sign 522.145+/-0.134 χ^2/NDF: 6959257.8/22

All: 541.044+/-0.100 χ^2/NDF: 12877874.0/46

- 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: 2482.878+/-91.880 χ^2/NDF:345.2/6

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

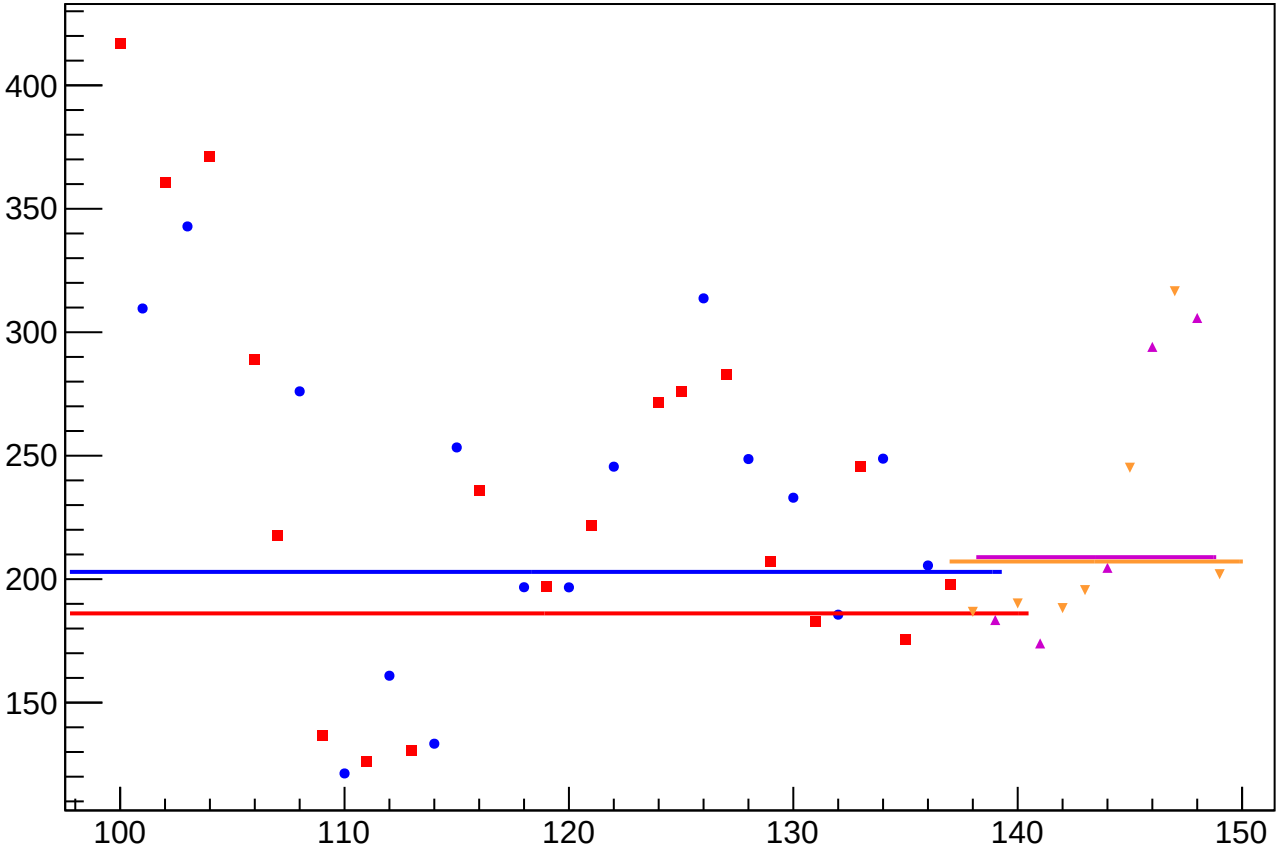
Left In: 382.925+/-103.357 χ^2/NDF:22.7/4

+ sign 964.308+/-60.276 χ^2/NDF: 1242.5/22

All: 901.968+/-42.402 χ^2/NDF: 1789.0/46

- 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: 207.152+/-0.065 χ^2/NDF:279250.1/6

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

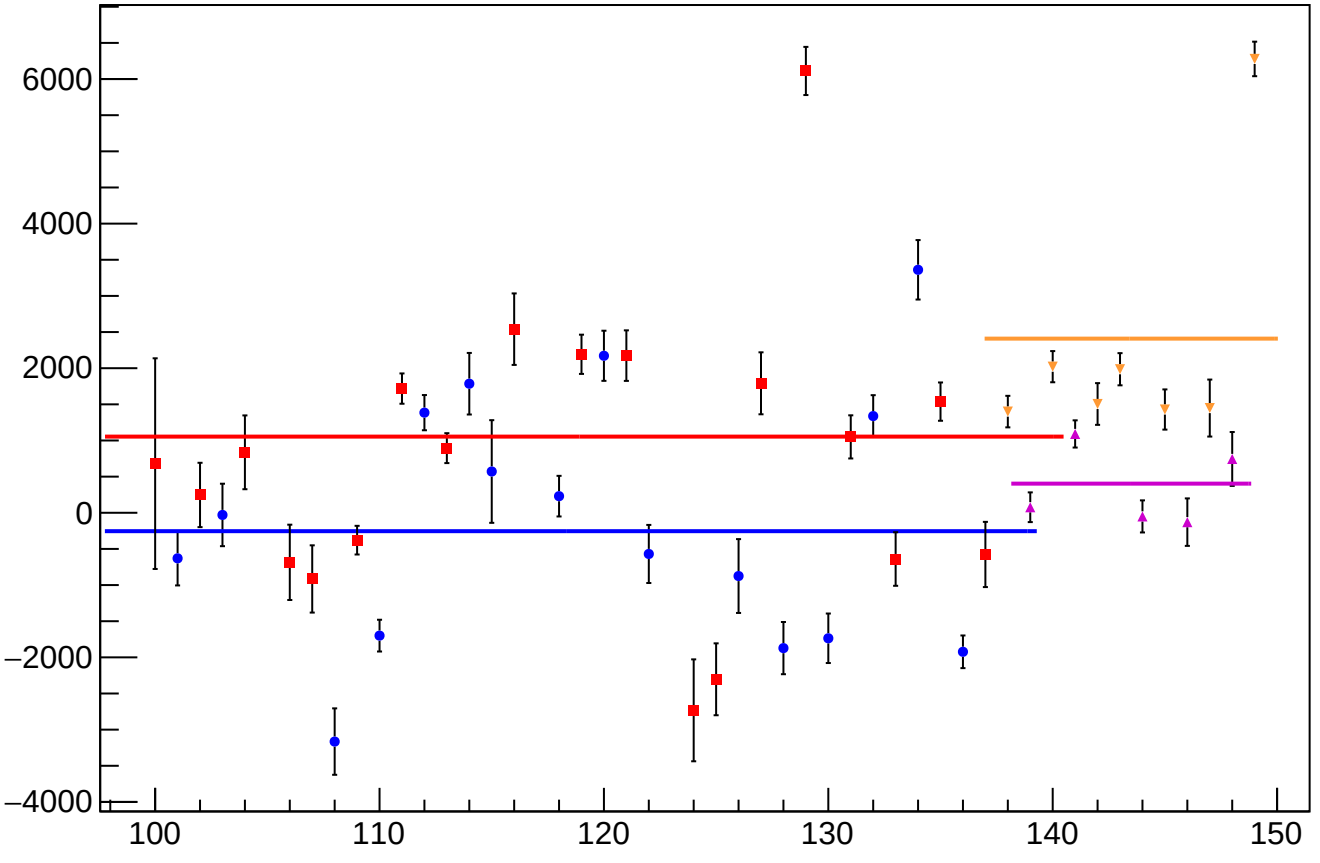
Left In: 208.902+/-0.073 χ^2/NDF:416676.1/4

+ sign 204.753+/-0.043 χ^2/NDF: 1353501.4/22

All: 199.178+/-0.030 χ^2/NDF: 3350455.9/46

- 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: 2409.183+/-94.650 χ^2/NDF:319.0/6

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

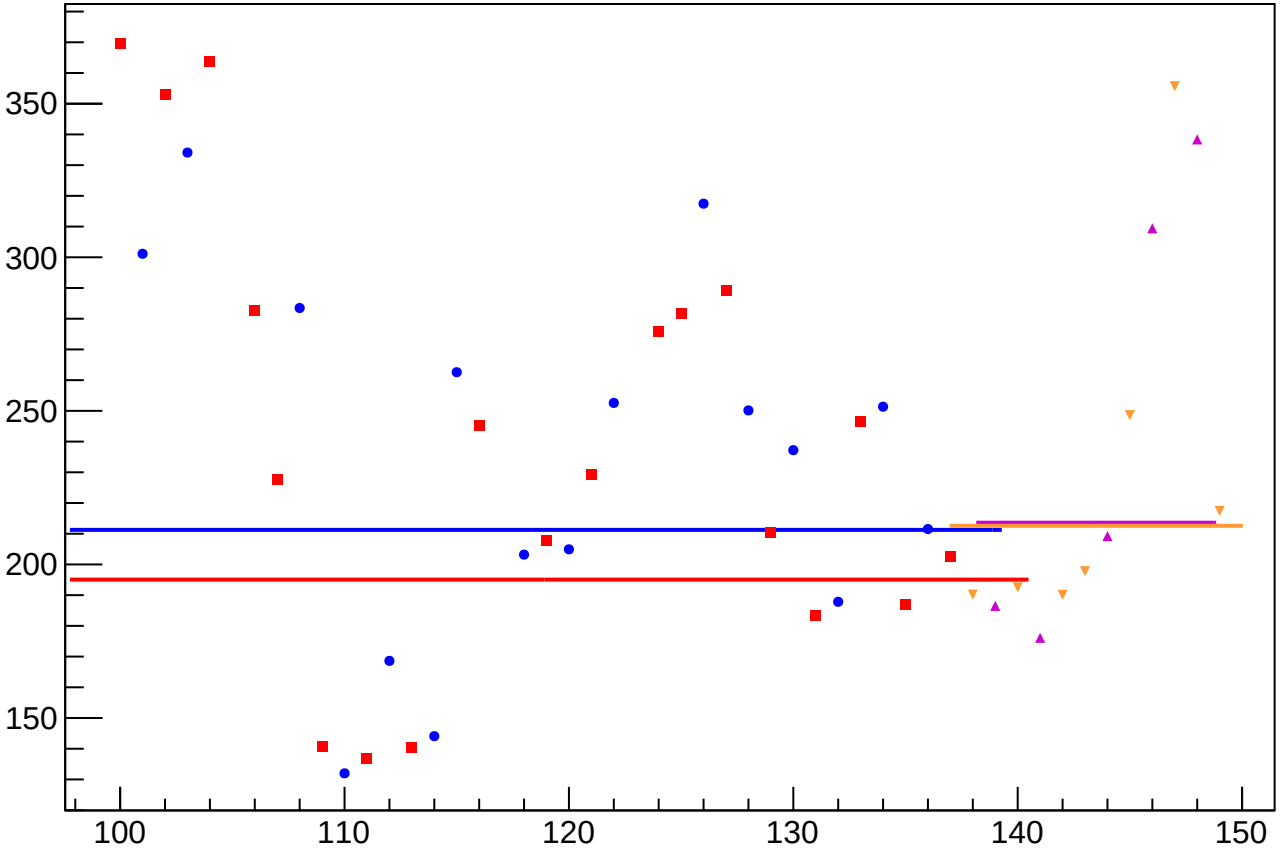
Left In: 403.098+/-106.195 χ^2/NDF:23.5/4

+ sign 895.355+/-62.187 χ^2/NDF: 1178.3/22

All: 864.218+/-43.831 χ^2/NDF: 1704.8/46

- 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: 212.587+/-0.067 χ^2/NDF:357296.3/6

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

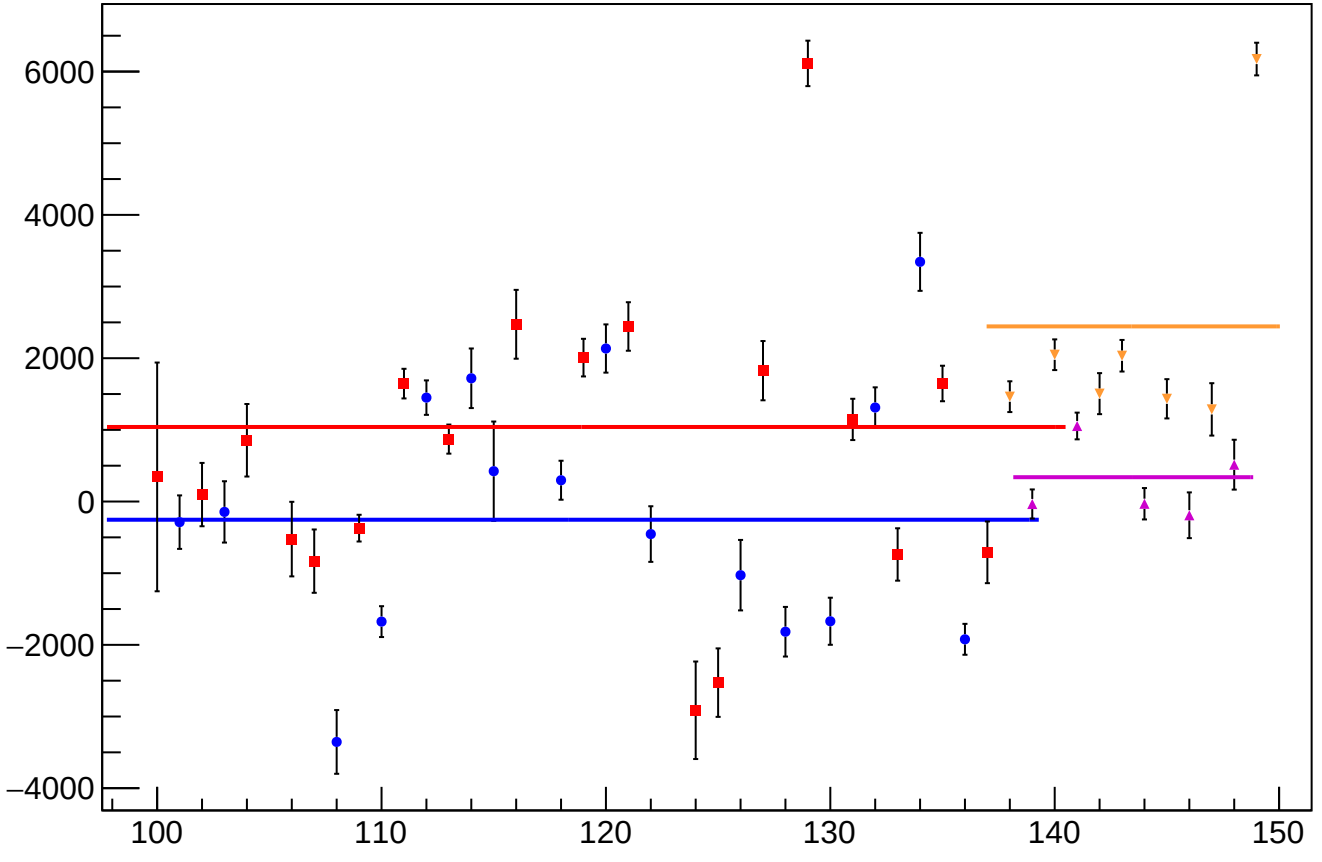
Left In: 213.588+/-0.075 χ^2/NDF:509316.4/4

+ sign 211.829+/-0.044 χ^2/NDF: 1241885.5/22

All: 206.547+/-0.031 χ^2/NDF: 3105021.5/46

- 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: 2443.795+/-92.724 χ^2/NDF:330.1/6

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

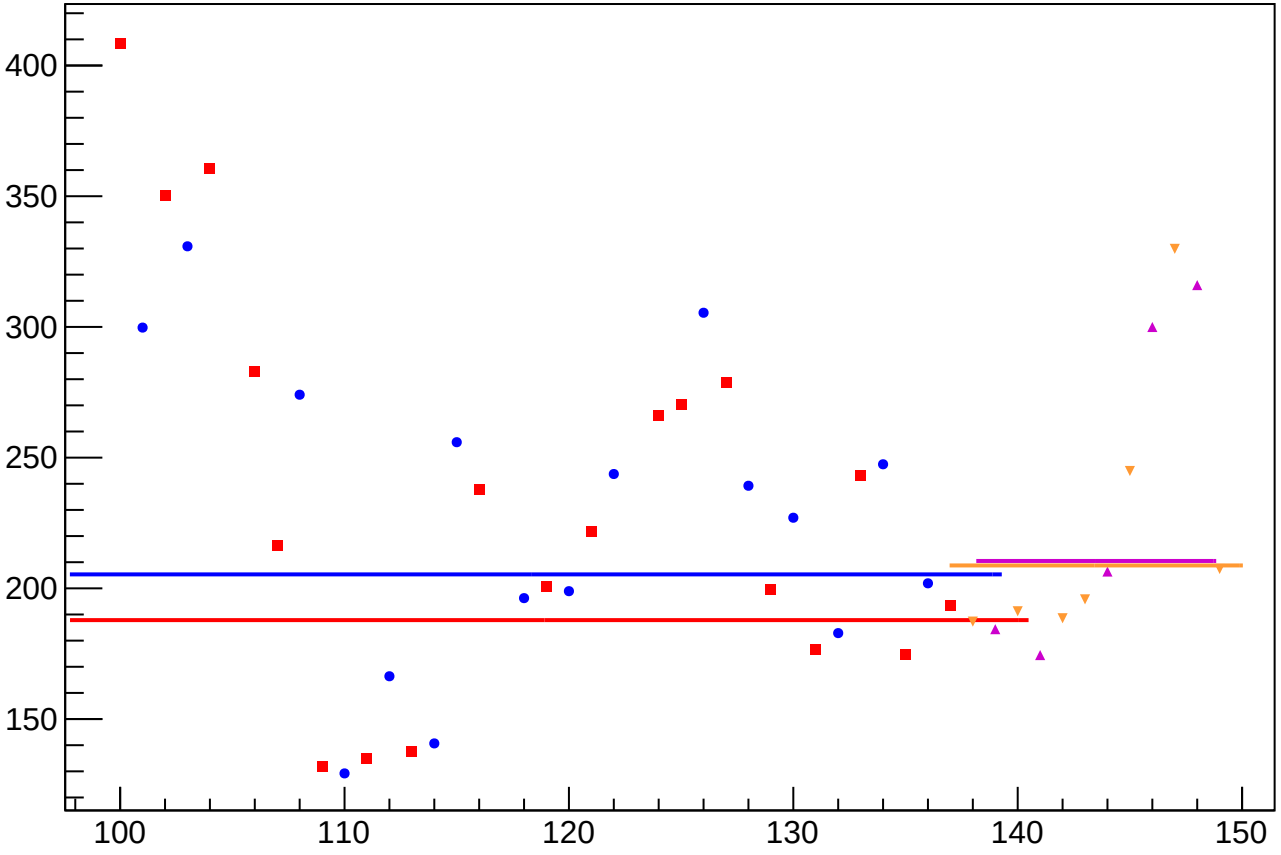
Left In: 339.578+/-104.317 χ^2/NDF:24.0/4

+ sign 900.877+/-60.668 χ^2/NDF: 1246.4/22

All: 854.163+/-42.664 χ^2/NDF: 1835.1/46

- 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: 208.762+/-0.066 χ^2/NDF:304637.7/6

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

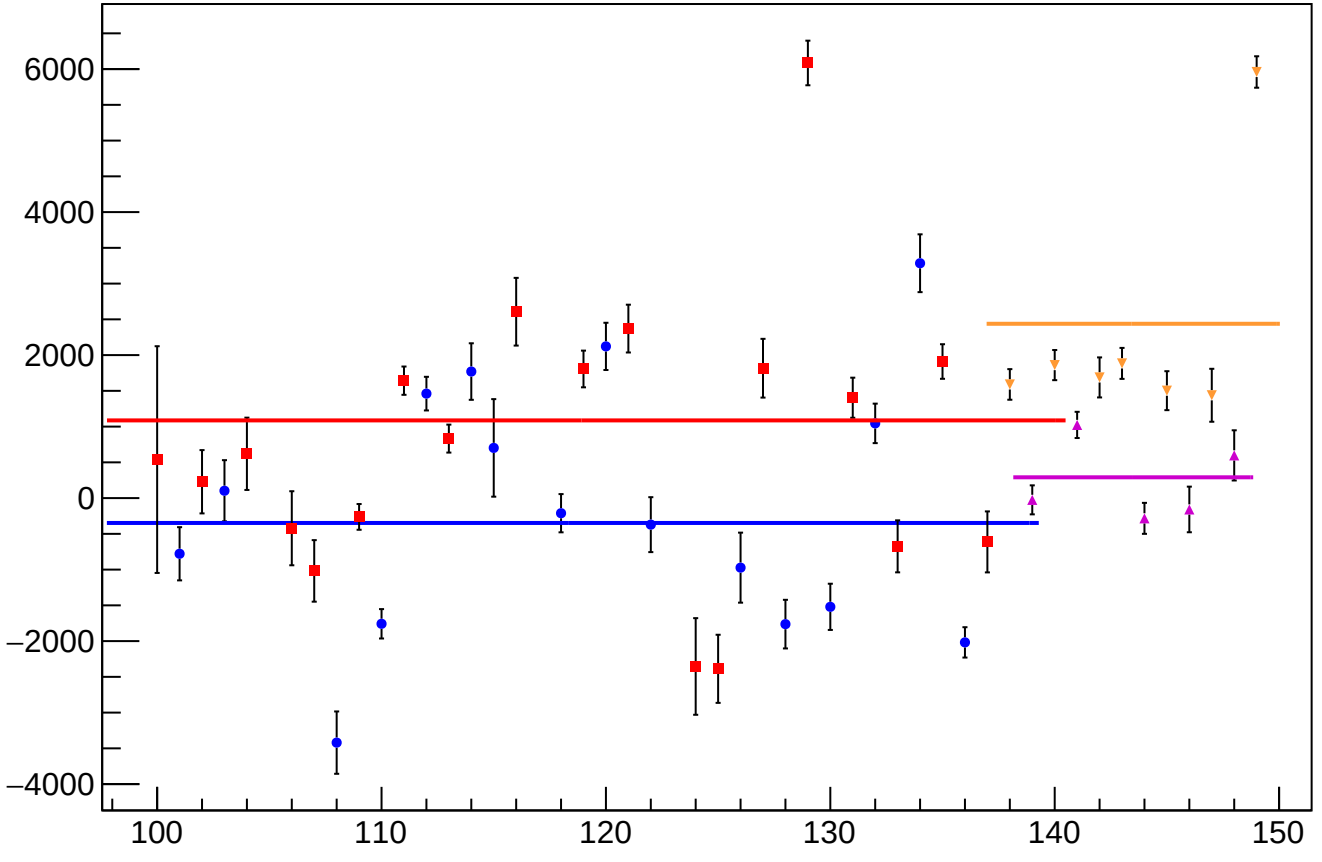
Left In: 210.477+/-0.074 χ^2/NDF:449536.3/4

+ sign 206.806+/-0.043 χ^2/NDF: 1183593.3/22

All: 201.009+/-0.030 χ^2/NDF: 3069277.9/46

- 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: 2437.996+/-91.340 χ^2/NDF:312.4/6

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

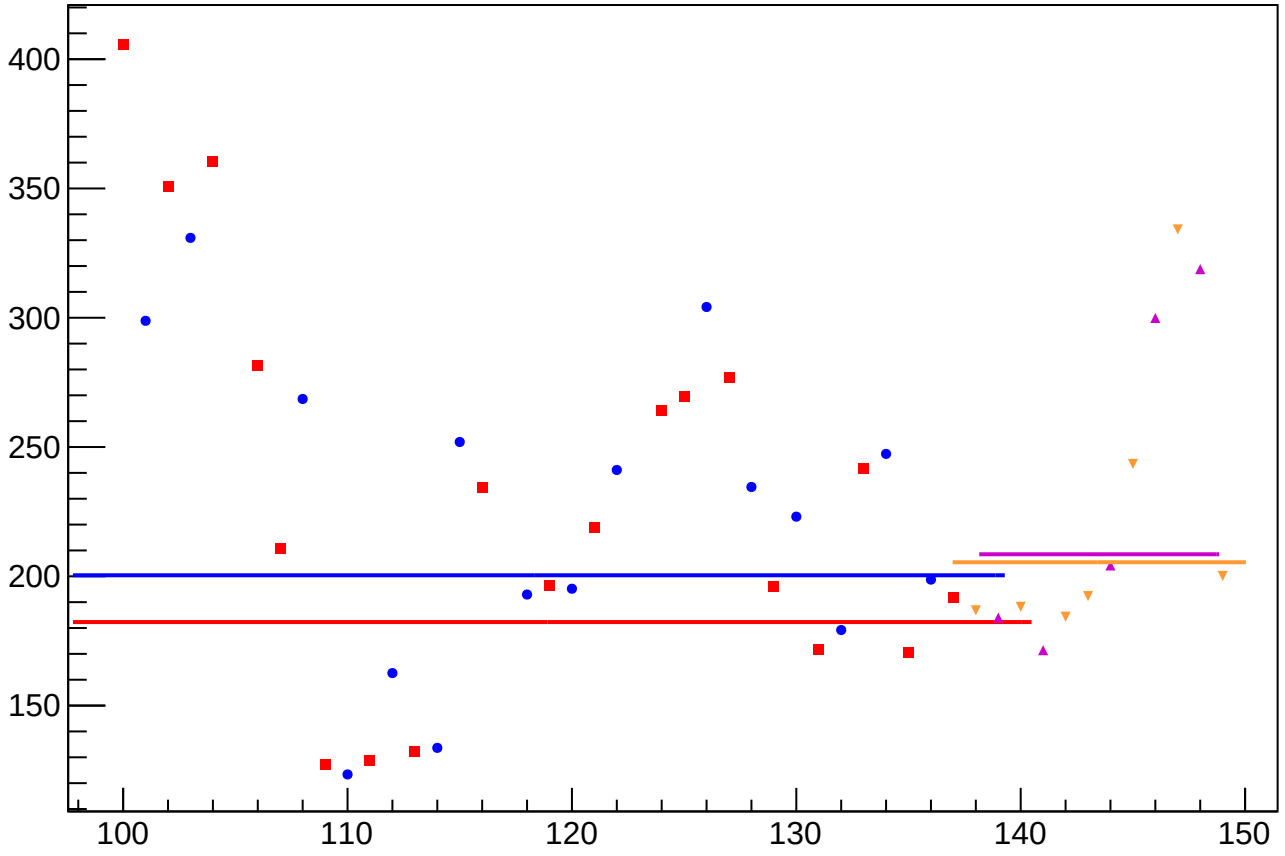
Left In: 290.819+/-103.502 χ^2/NDF:28.2/4

+ sign 836.935+/-59.564 χ^2/NDF: 1292.8/22

All: 833.102+/-41.863 χ^2/NDF: 1888.2/46

- 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: 205.436+/-0.065 χ^2/NDF:328947.8/6

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

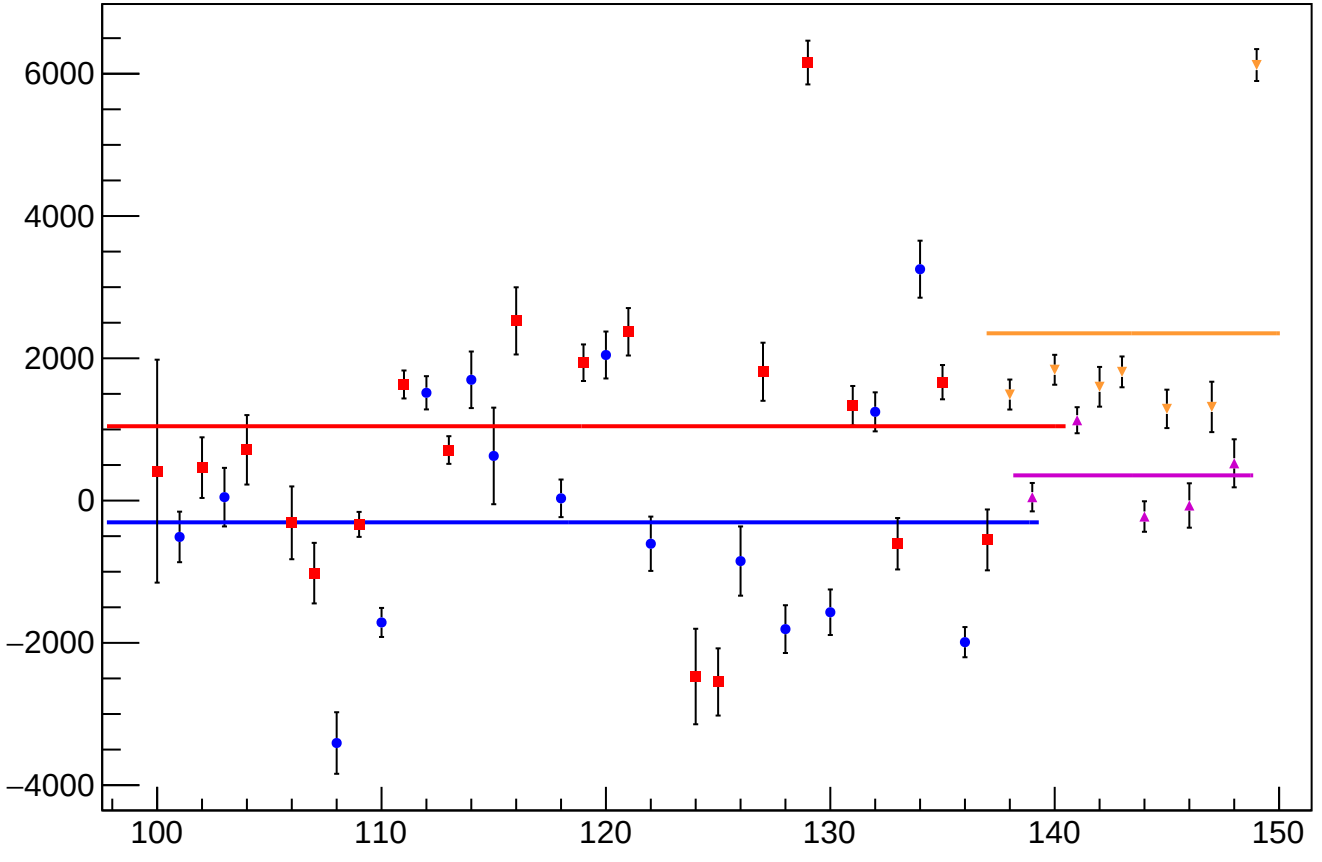
Left In: 208.519+/-0.073 χ^2/NDF:473655.0/4

+ sign 202.541+/-0.042 χ^2/NDF: 1291445.2/22

All: 196.588+/-0.030 χ^2/NDF: 3338613.4/46

- 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: 2351.337+/-90.984 χ^2/NDF:342.8/6

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

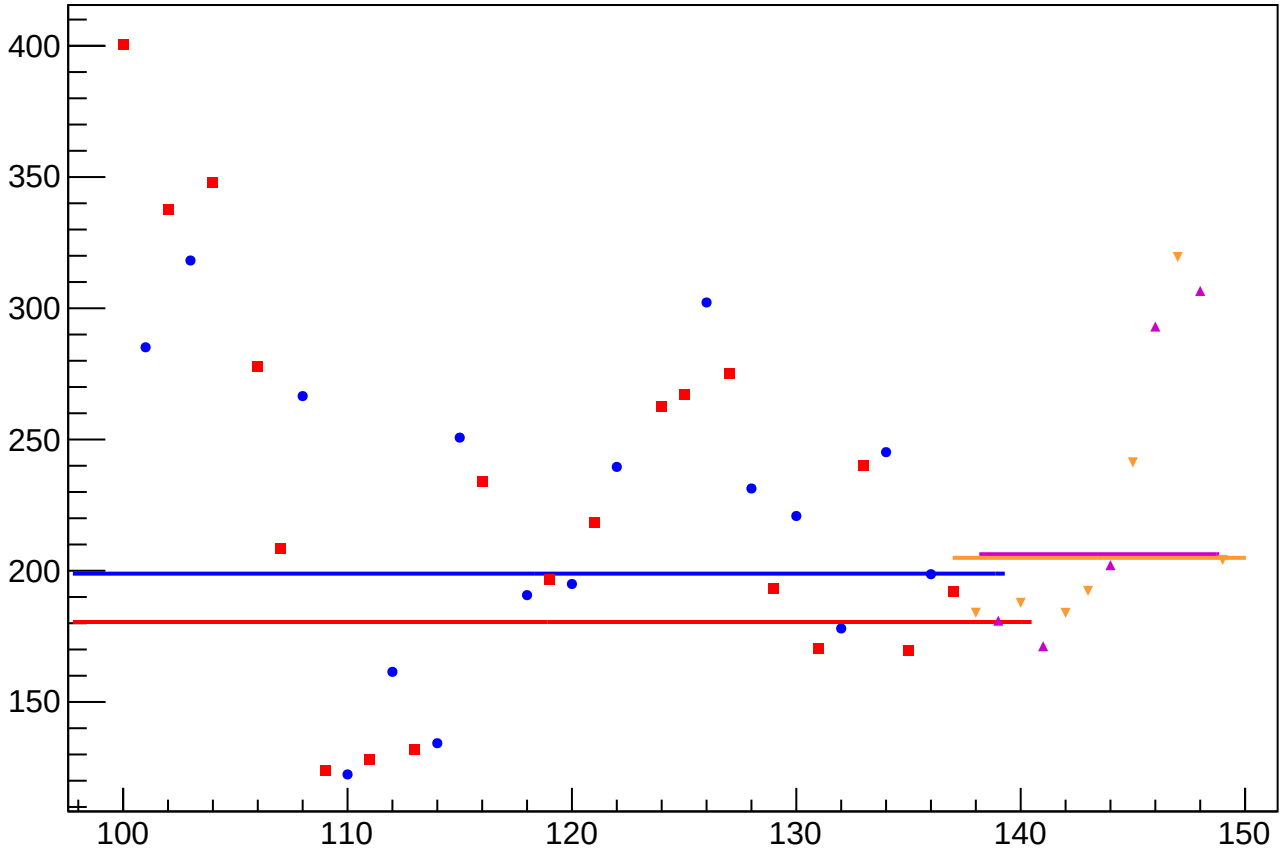
Left In: 354.434+/-102.218 χ^2/NDF:29.6/4

+ sign 817.696+/-59.160 χ^2/NDF: 1286.8/22

All: 819.429+/-41.494 χ^2/NDF: 1899.5/46

- 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: 204.923+/-0.064 χ^2/NDF:296724.1/6

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

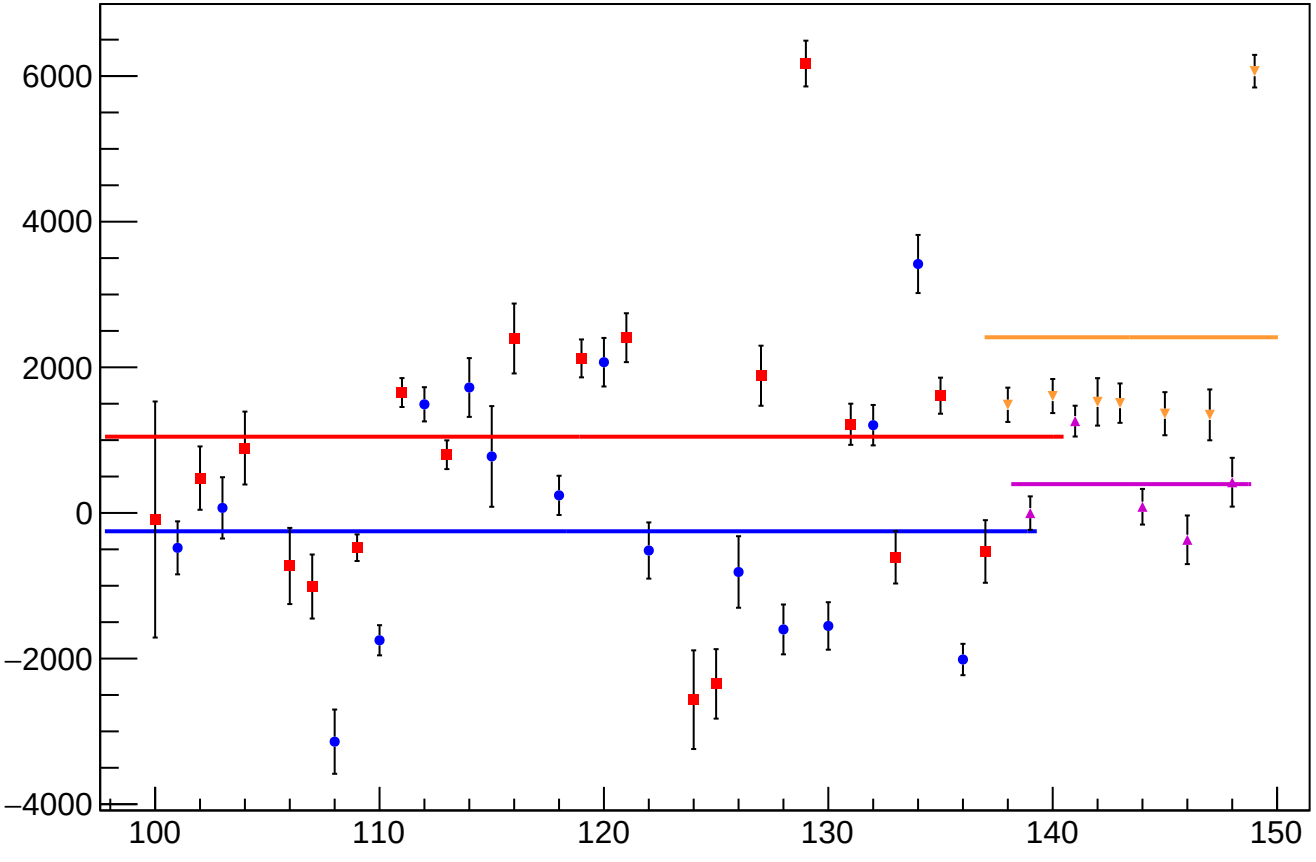
Left In: 206.296+/-0.072 χ^2/NDF:437452.5/4

+ sign 201.448+/-0.042 χ^2/NDF: 1214544.3/22

All: 195.047+/-0.029 χ^2/NDF: 3218760.5/46

- 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: 2412.625+/-100.525 χ^2/NDF:334.4/6

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

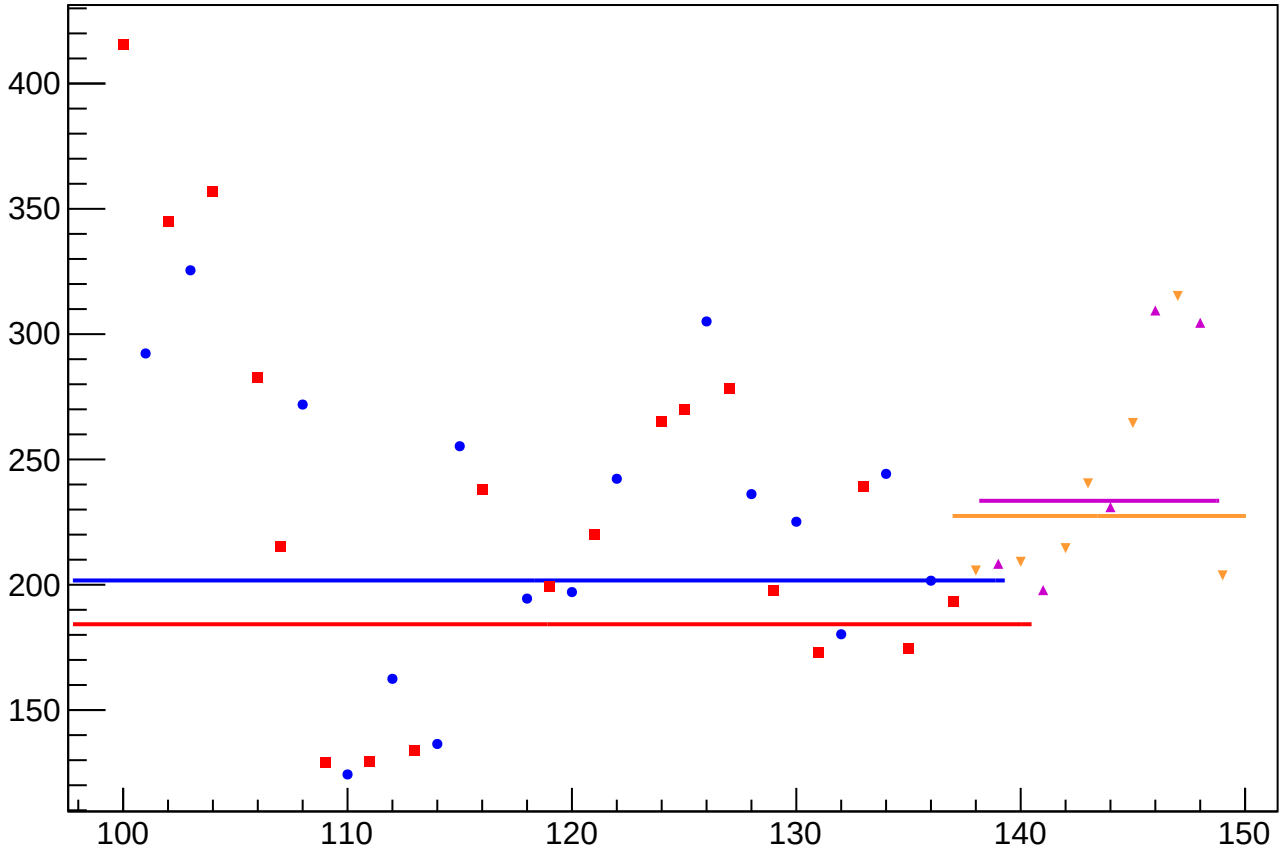
Left In: 395.585+/-114.859 χ^2/NDF:26.6/4

\+ sign 765.063+/-62.102 χ^2/NDF: 1210.0/22

All: 814.626+/-43.561 χ^2/NDF: 1807.6/46

\- 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: 227.450+/-0.071 χ^2/NDF:217163.5/6

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

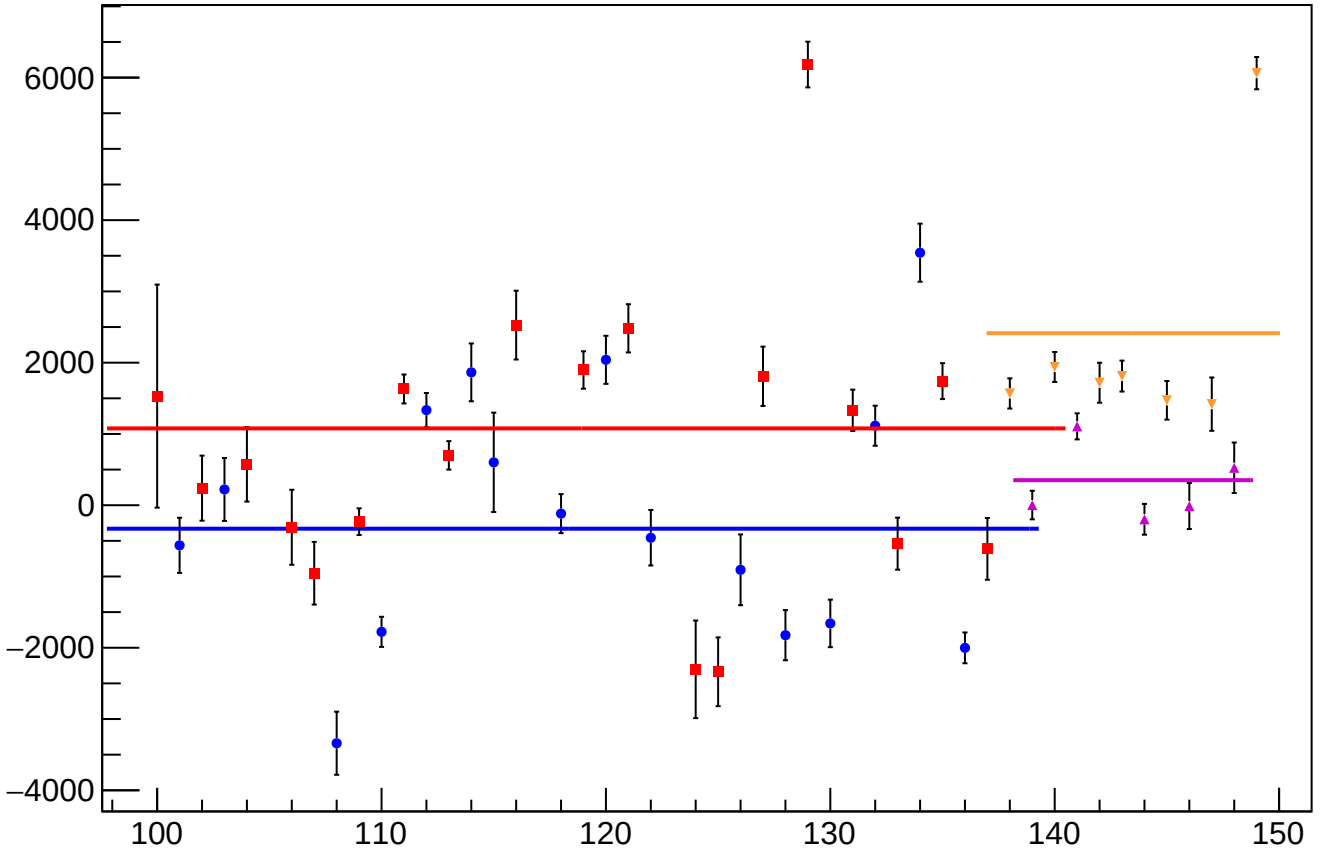
Left In: 233.498+/-0.081 χ^2/NDF:274092.4/4

+ sign 211.536+/-0.044 χ^2/NDF: 1222433.8/22

All: 204.757+/-0.031 χ^2/NDF: 3210833.2/46

- 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: 2413.843+/-91.664 χ^2/NDF:313.2/6

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

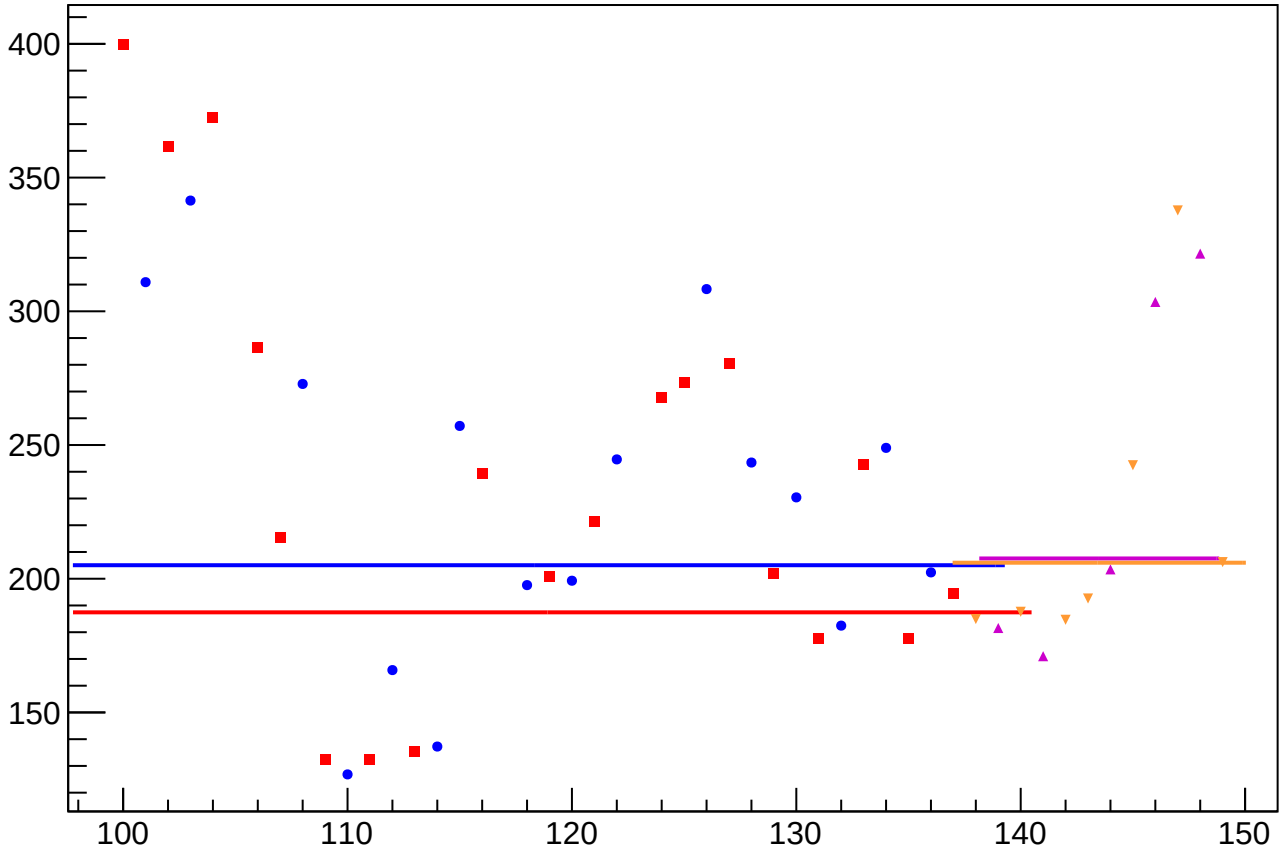
Left In: 351.683+/-103.224 χ^2/NDF:28.1/4

+ sign 862.867+/-60.430 χ^2/NDF: 1256.0/22

All: 848.278+/-42.513 χ^2/NDF: 1819.0/46

- 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: 205.989+/-0.065 χ^2/NDF:337988.7/6

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

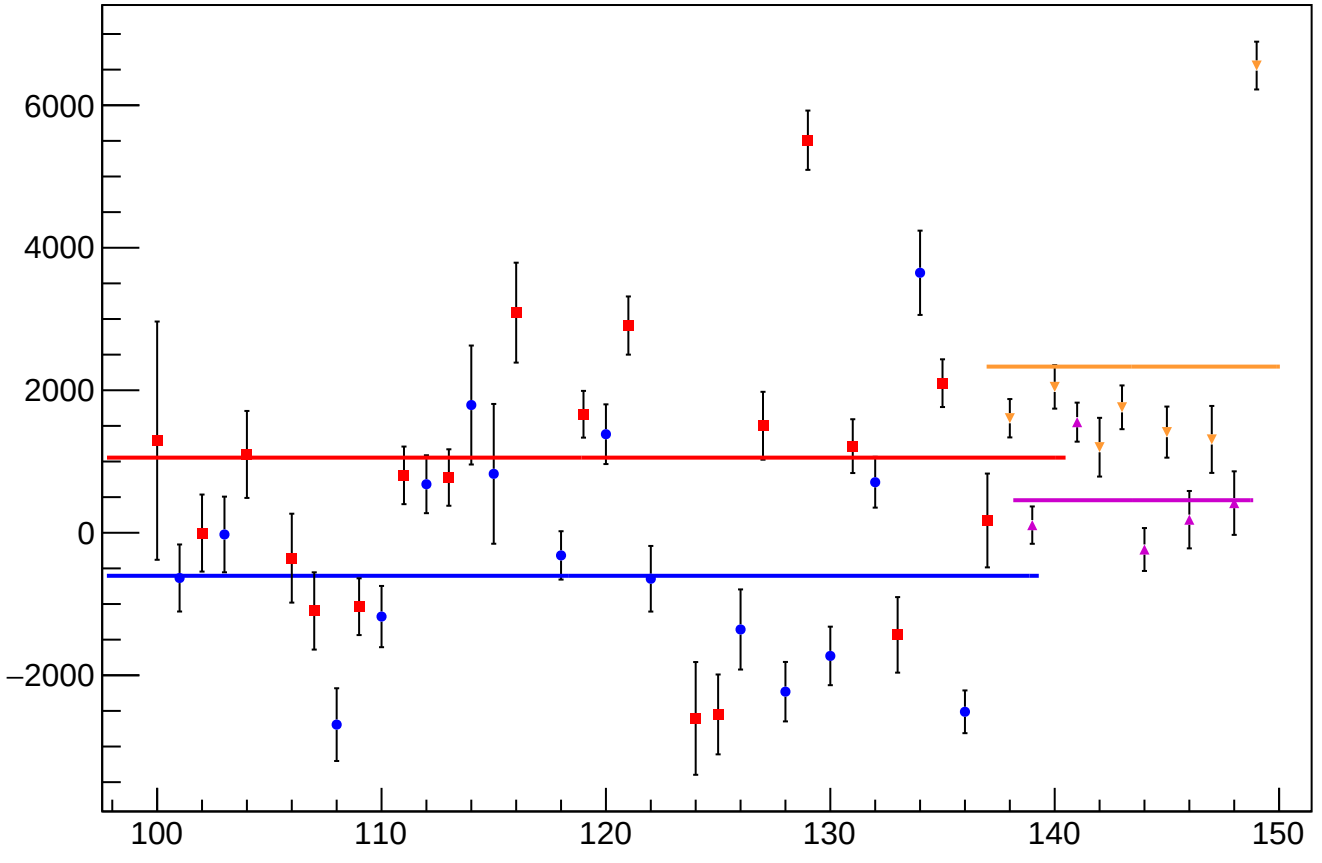
Left In: 207.575+/-0.073 χ^2/NDF:497968.2/4

+ sign 205.460+/-0.043 χ^2/NDF: 1301158.7/22

All: 199.771+/-0.030 χ^2/NDF: 3295606.2/46

- 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: 2331.976+/-126.759 χ^2/NDF:189.1/6

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

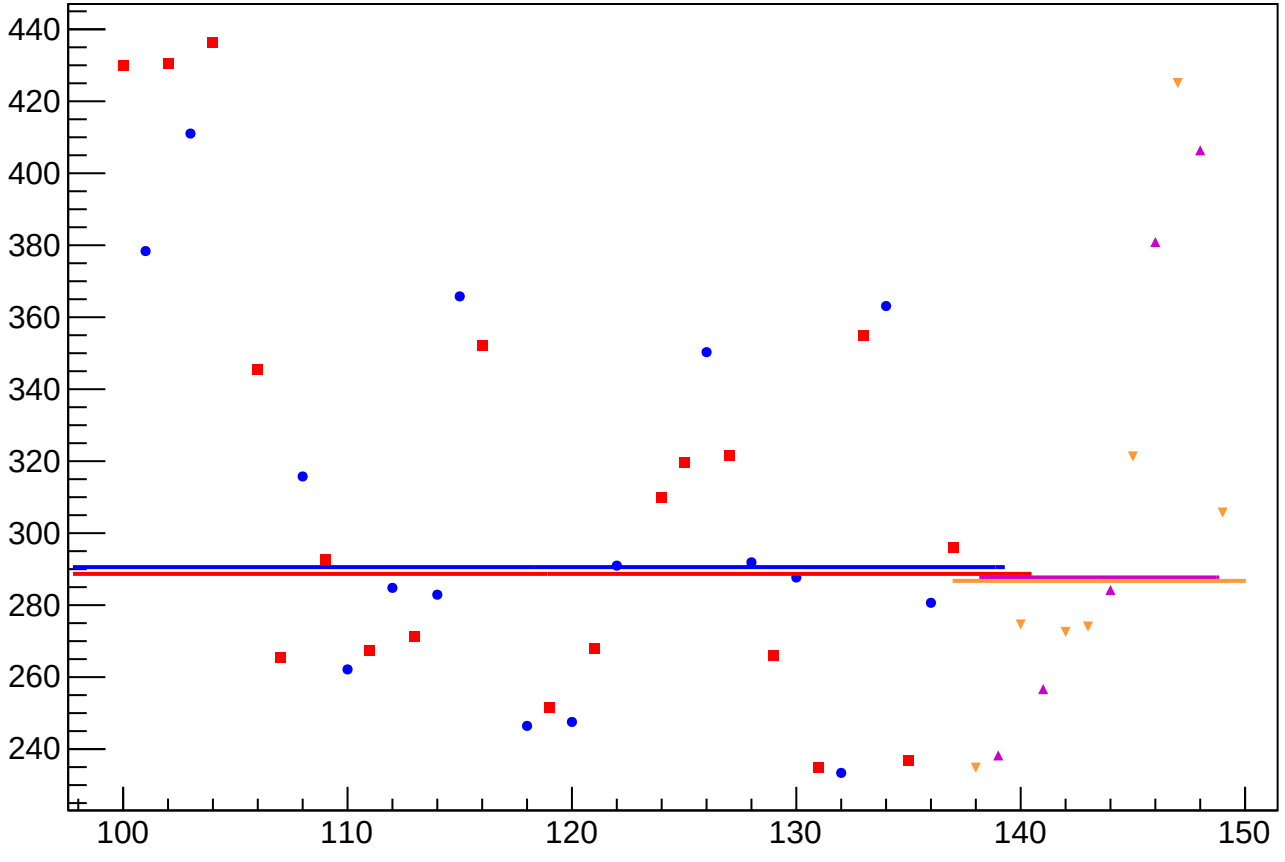
Left In: 456.779+/-141.269 χ^2/NDF:23.5/4

+ sign 666.322+/-83.377 χ^2/NDF: 686.9/22

All: 747.329+/-59.839 χ^2/NDF: 1021.4/46

- 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: 286.740+/-0.090 χ^2/NDF:281590.3/6

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

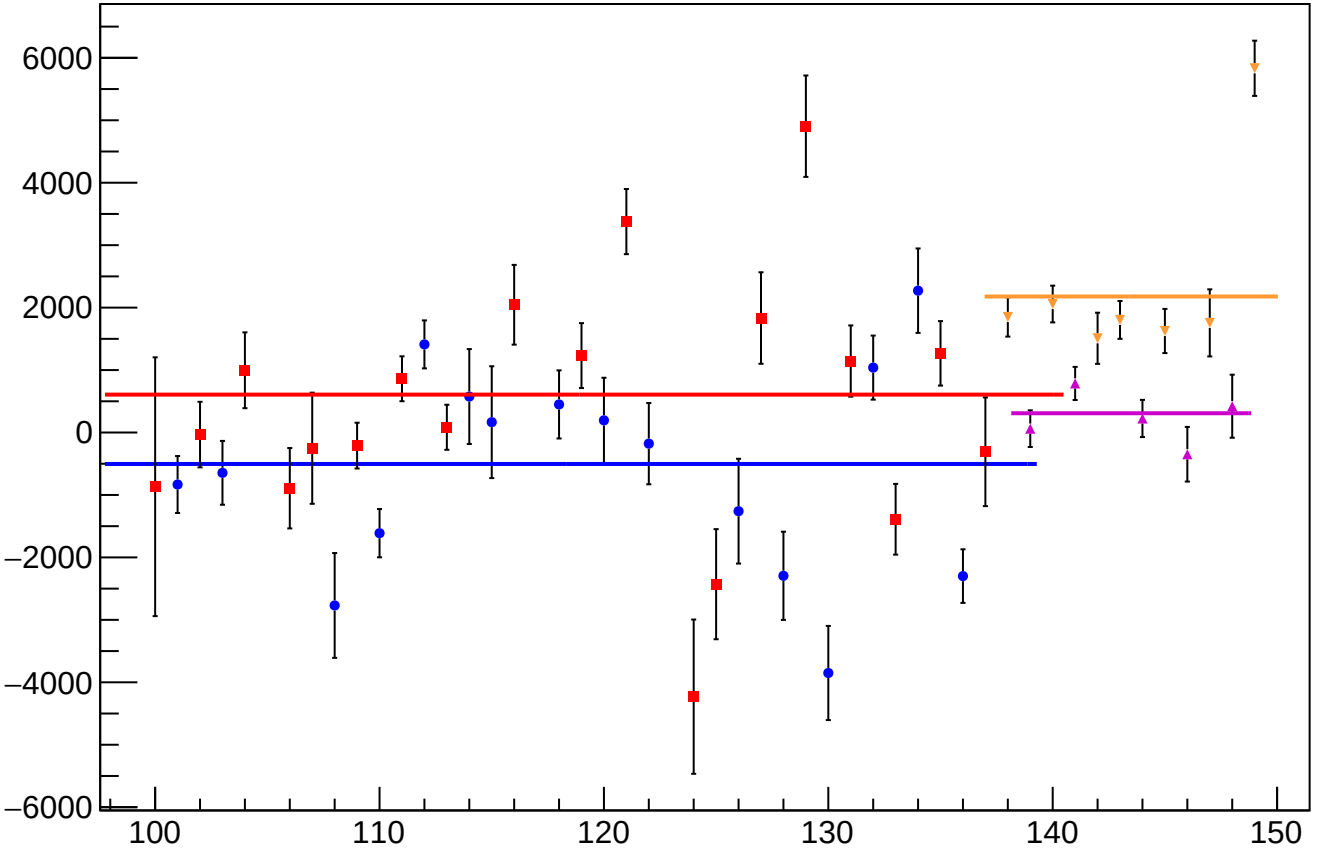
Left In: 287.695+/-0.100 χ^2/NDF:345840.7/4

+ sign 288.911+/-0.059 χ^2/NDF: 642431.5/22

All: 288.624+/-0.042 χ^2/NDF: 1477477.9/46

- 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: 2178.210+/-134.688 χ^2/NDF:76.8/6

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

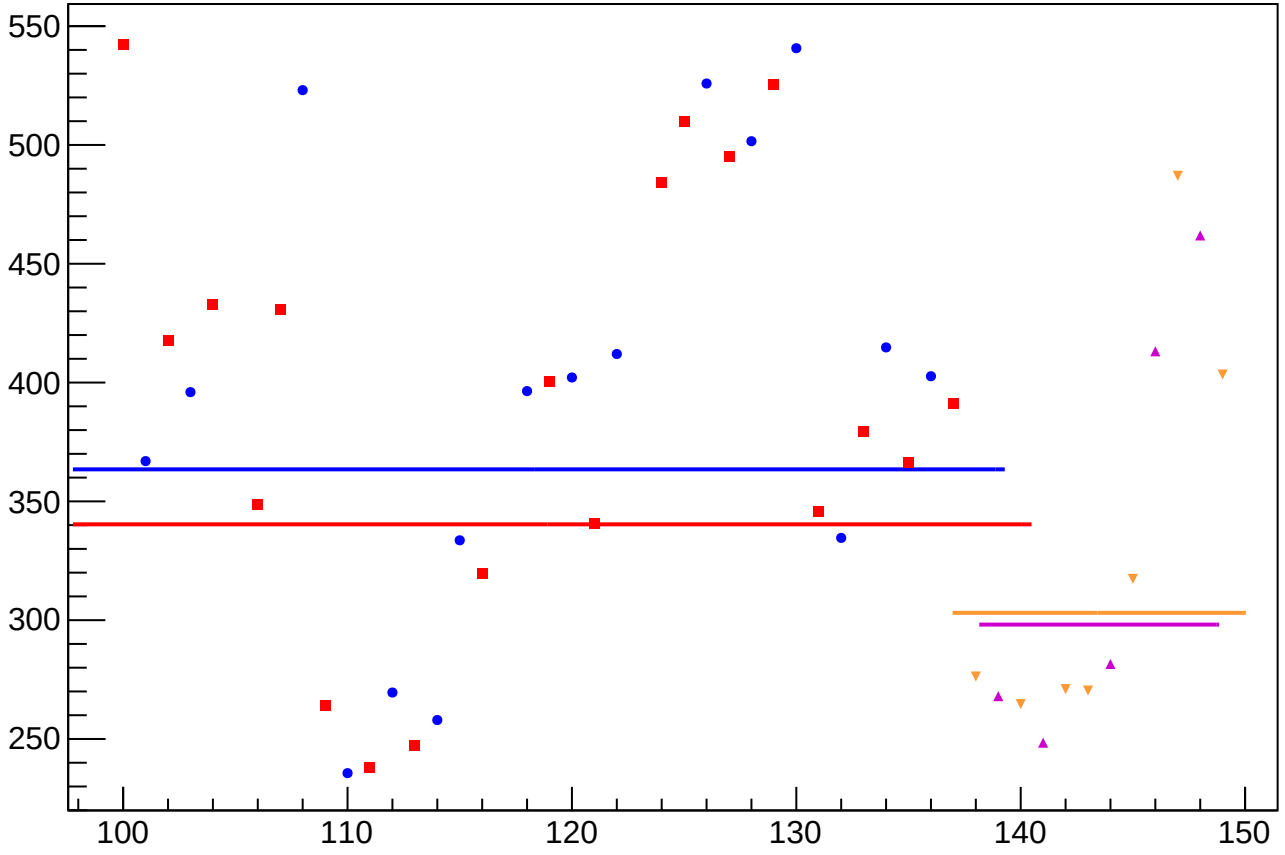
Left In: 308.642+/-147.057 χ^2/NDF:6.3/4

+ sign 889.665+/-97.082 χ^2/NDF: 385.5/22

All: 683.404+/-68.701 χ^2/NDF: 528.4/46

- 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: 303.091+/-0.095 χ^2/NDF:424916.3/6

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

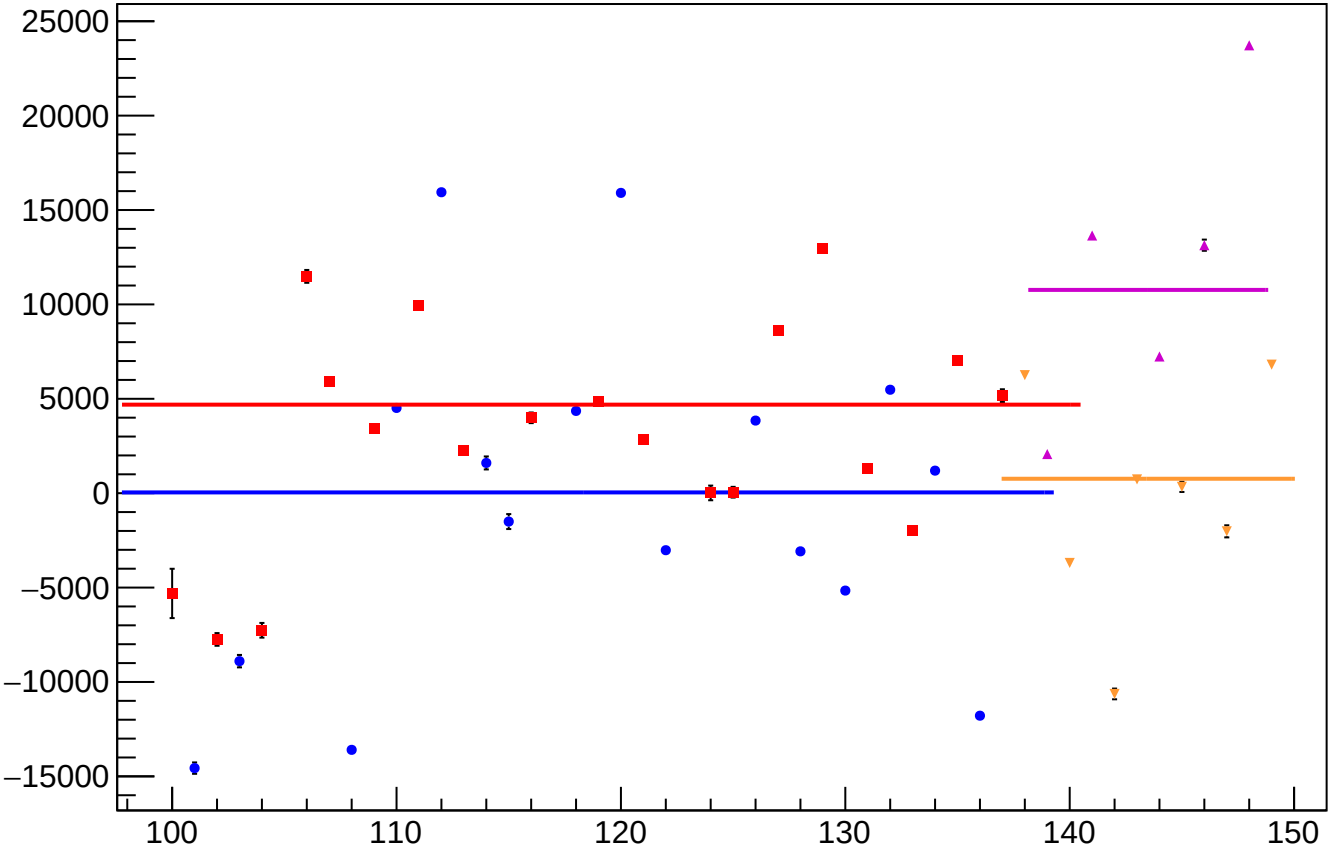
Left In: 298.141+/-0.104 χ^2/NDF:446059.8/4

+ sign 332.102+/-0.069 χ^2/NDF: 1398923.4/22

All: 327.002+/-0.049 χ^2/NDF: 2804923.6/46

- 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: 764.615+/-89.854 χ^2/NDF:3645.4/6

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

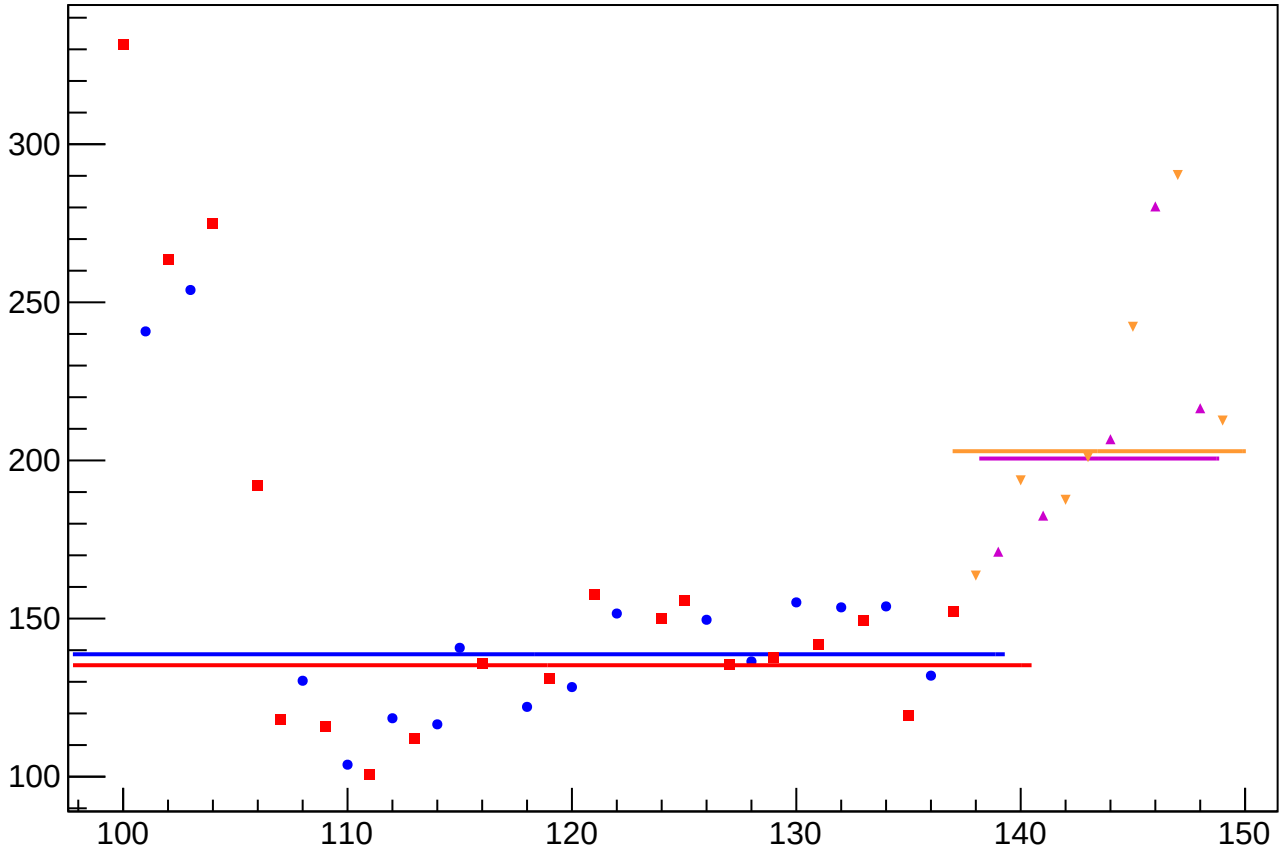
Left In: 10768.103+/-98.547 χ^2/NDF:5431.9/4

+ sign 233.979+/-46.410 χ^2/NDF: 34479.2/22

All: 3147.780+/-32.691 χ^2/NDF: 58504.2/46

- 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: 202.921+/-0.064 χ^2/NDF:292889.2/6

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

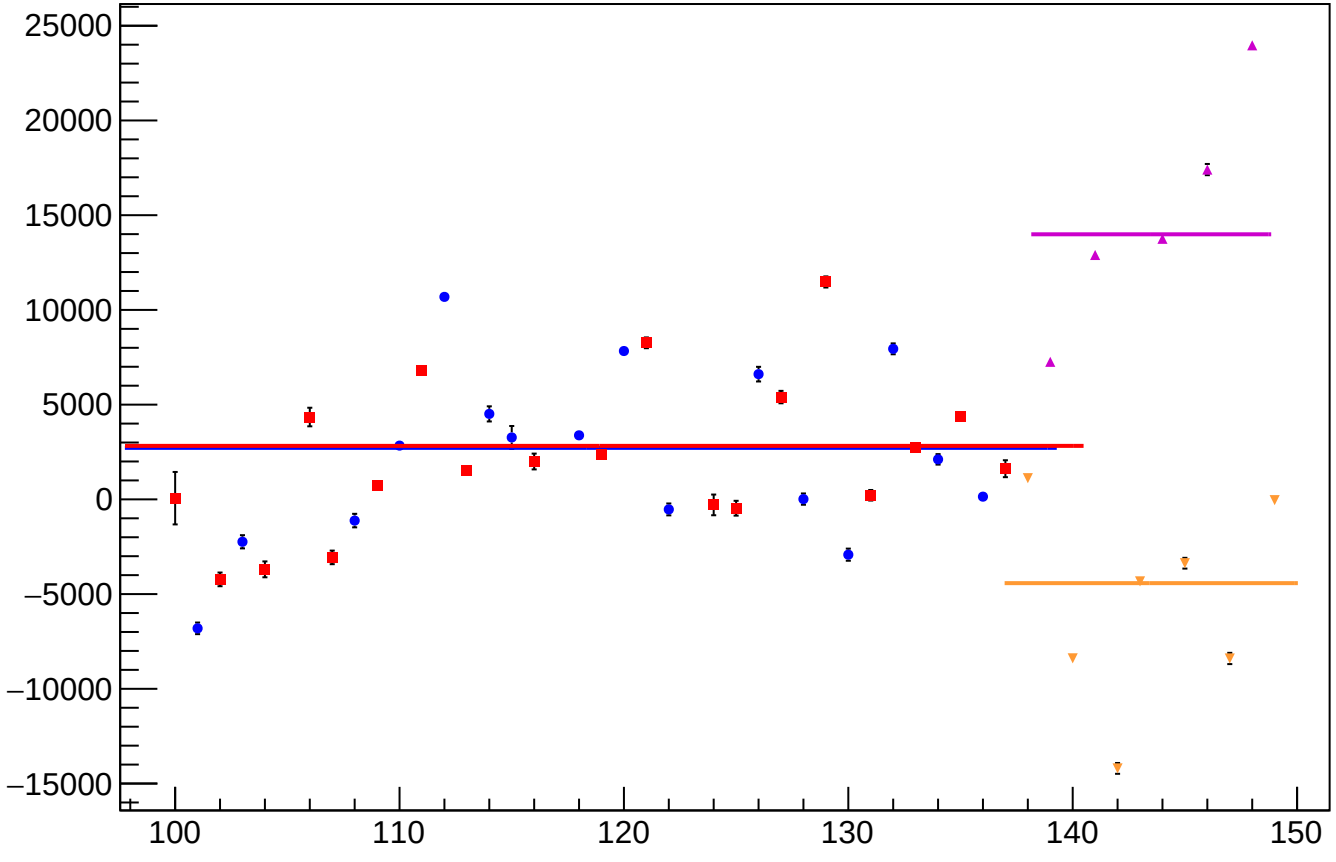
Left In: 200.604+/-0.070 χ^2/NDF:220414.0/4

\+ sign 155.841+/-0.033 χ^2/NDF: 1699511.1/22

All: 152.657+/-0.023 χ^2/NDF: 3516235.7/46

\- 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: -4422.078+/-90.045 χ^2/NDF:2867.6/6

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

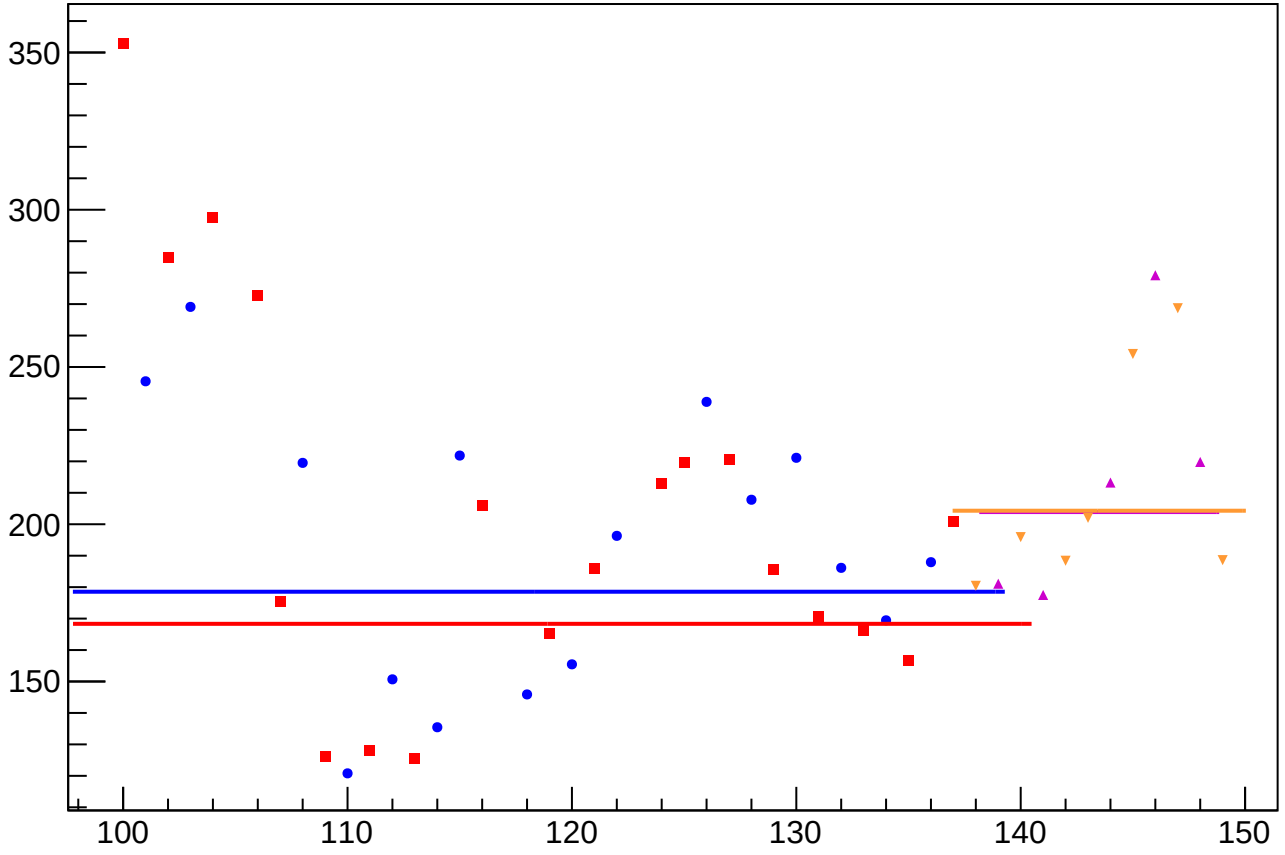
Left In: 13991.705+/-99.732 χ^2/NDF:2957.4/4

+ sign 65.761+/-54.892 χ^2/NDF: 10950.0/22

All: 3133.304+/-38.628 χ^2/NDF: 31969.8/46

- 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: 204.301+/-0.064 χ^2/NDF:203307.6/6

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

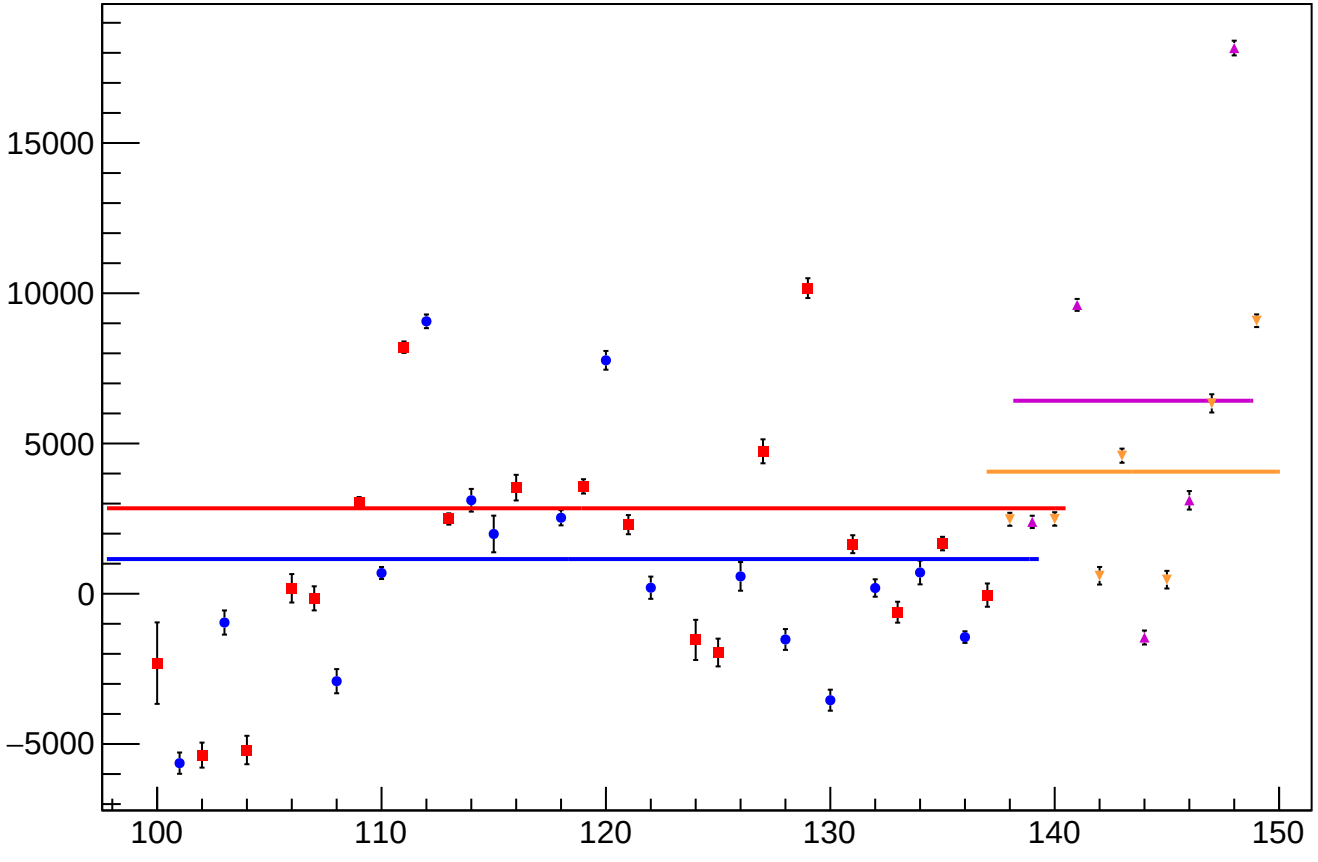
Left In: 203.873+/-0.071 χ^2/NDF:205781.5/4

+ sign 188.114+/-0.039 χ^2/NDF: 980731.8/22

All: 183.461+/-0.027 χ^2/NDF: 2372963.2/46

- 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: 4062.480+/-92.926 χ^2/NDF:1020.2/6

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

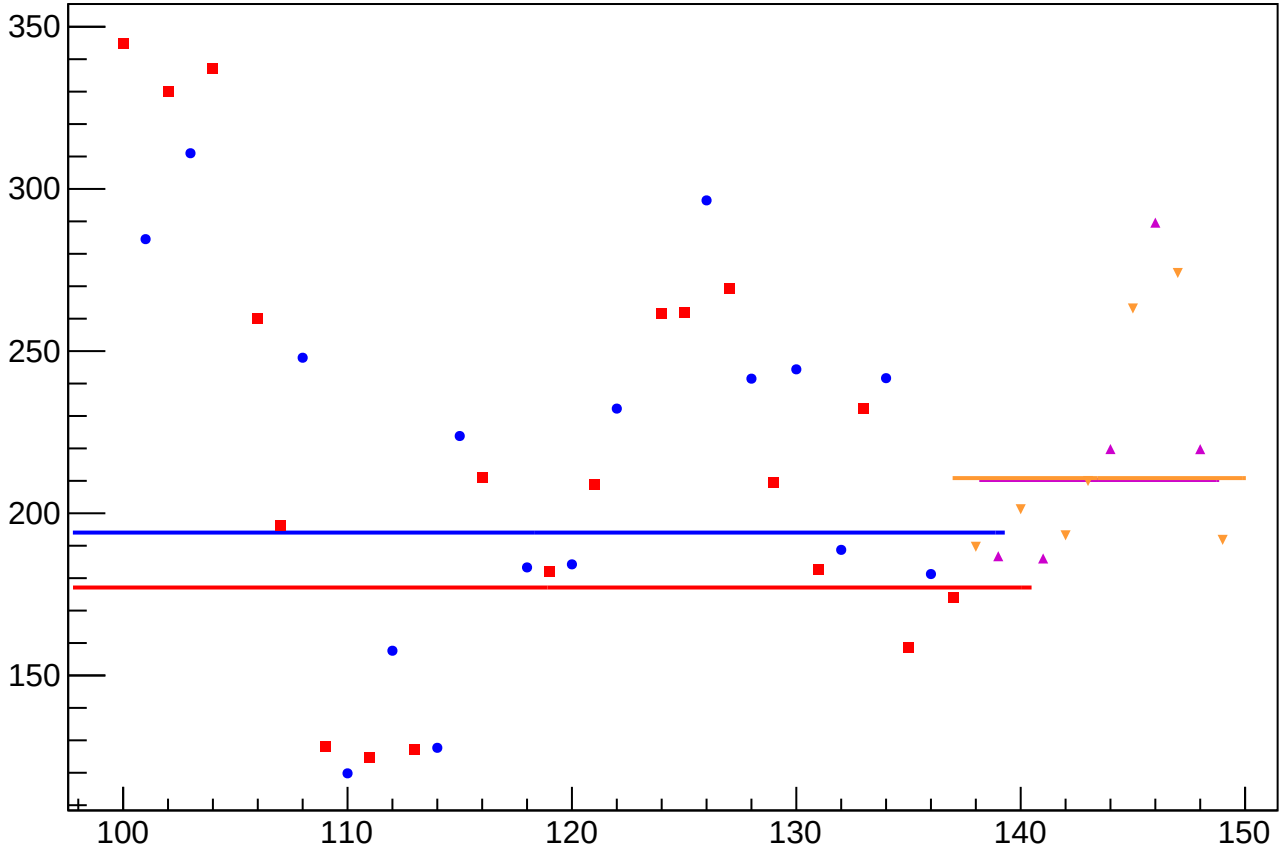
Left In: 6422.846+/-102.826 χ^2/NDF:4189.7/4

\+ sign 2318.809+/-58.810 χ^2/NDF: 4262.8/22

All: 3158.742+/-41.068 χ^2/NDF: 12138.1/46

\- 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: 210.847+/-0.066 χ^2/NDF:196634.9/6

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

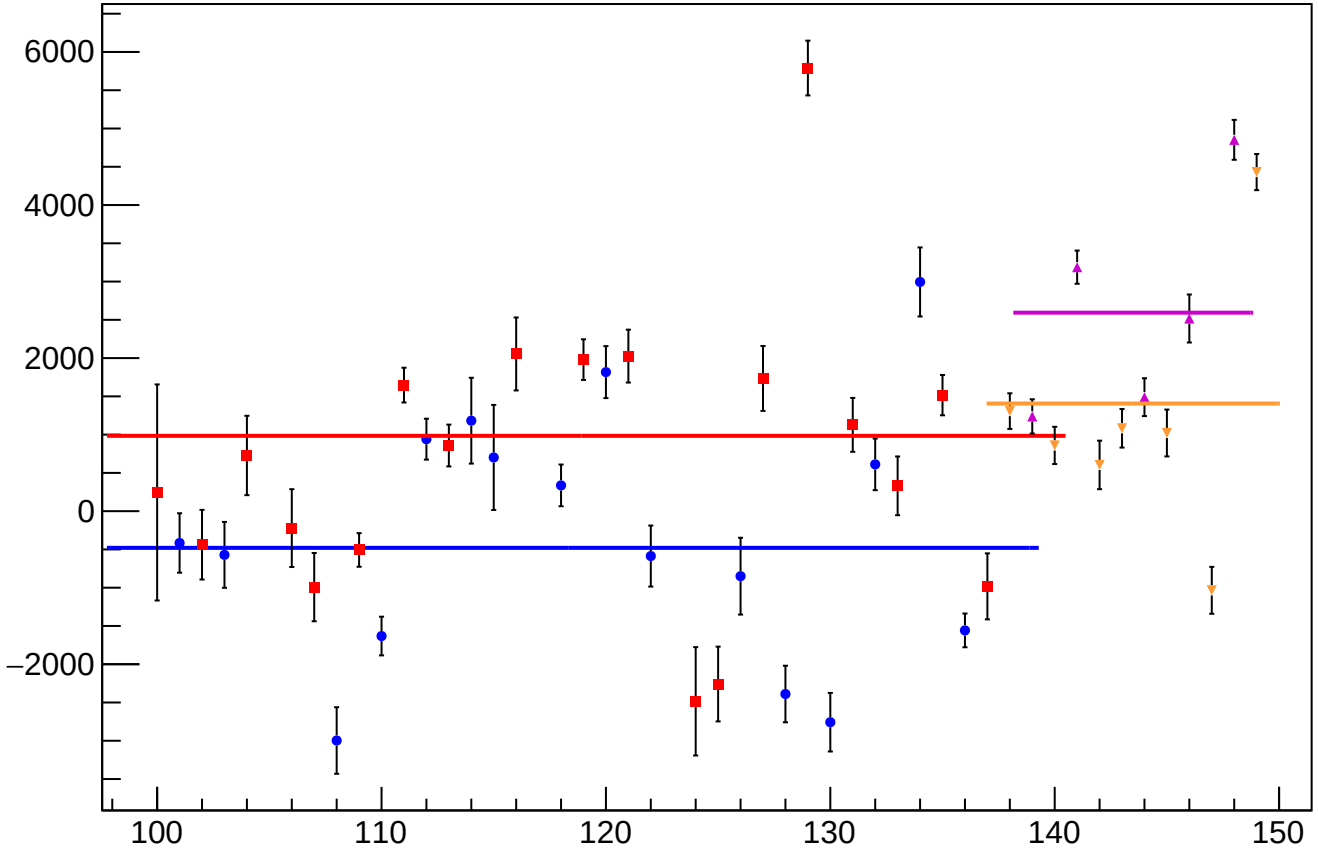
Left In: 210.270+/-0.073 χ^2/NDF:194829.5/4

+ sign 200.779+/-0.042 χ^2/NDF: 1201581.7/22

All: 193.944+/-0.029 χ^2/NDF: 2951687.1/46

- 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: 1406.365+/-99.862 χ^2/NDF:242.3/6

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

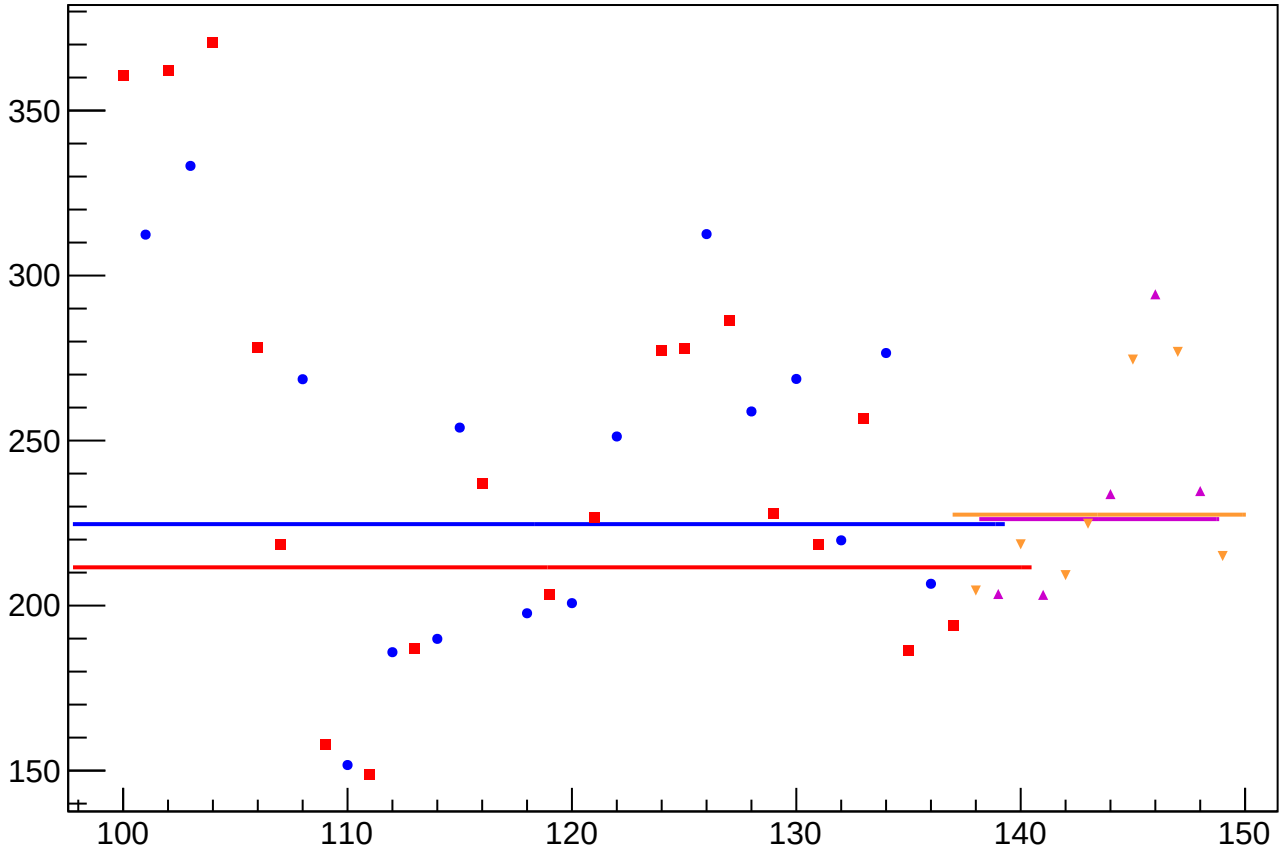
Left In: 2593.760+/-110.113 χ^2/NDF:139.3/4

+ sign 330.997+/-65.462 χ^2/NDF: 751.1/22

All: 942.286+/-46.203 χ^2/NDF: 1601.0/46

- 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: 227.560+/-0.071 χ^2/NDF:133624.6/6

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

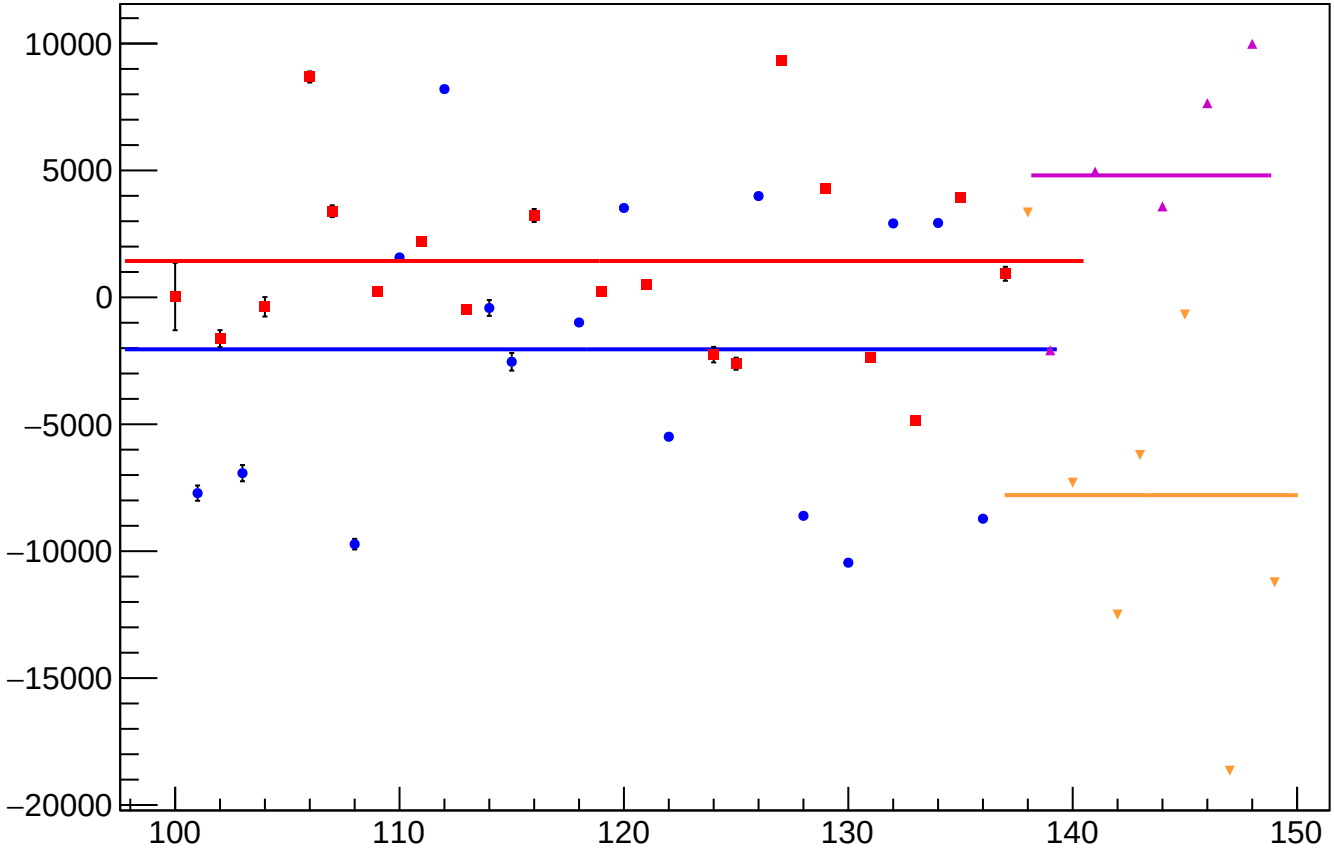
Left In: 226.200+/-0.078 χ^2/NDF:141247.6/4

+ sign 225.919+/-0.046 χ^2/NDF: 787764.7/22

All: 221.302+/-0.033 χ^2/NDF: 1904582.5/46

- 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: -7792.158+/-48.936 χ^2/NDF:19956.2/6

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

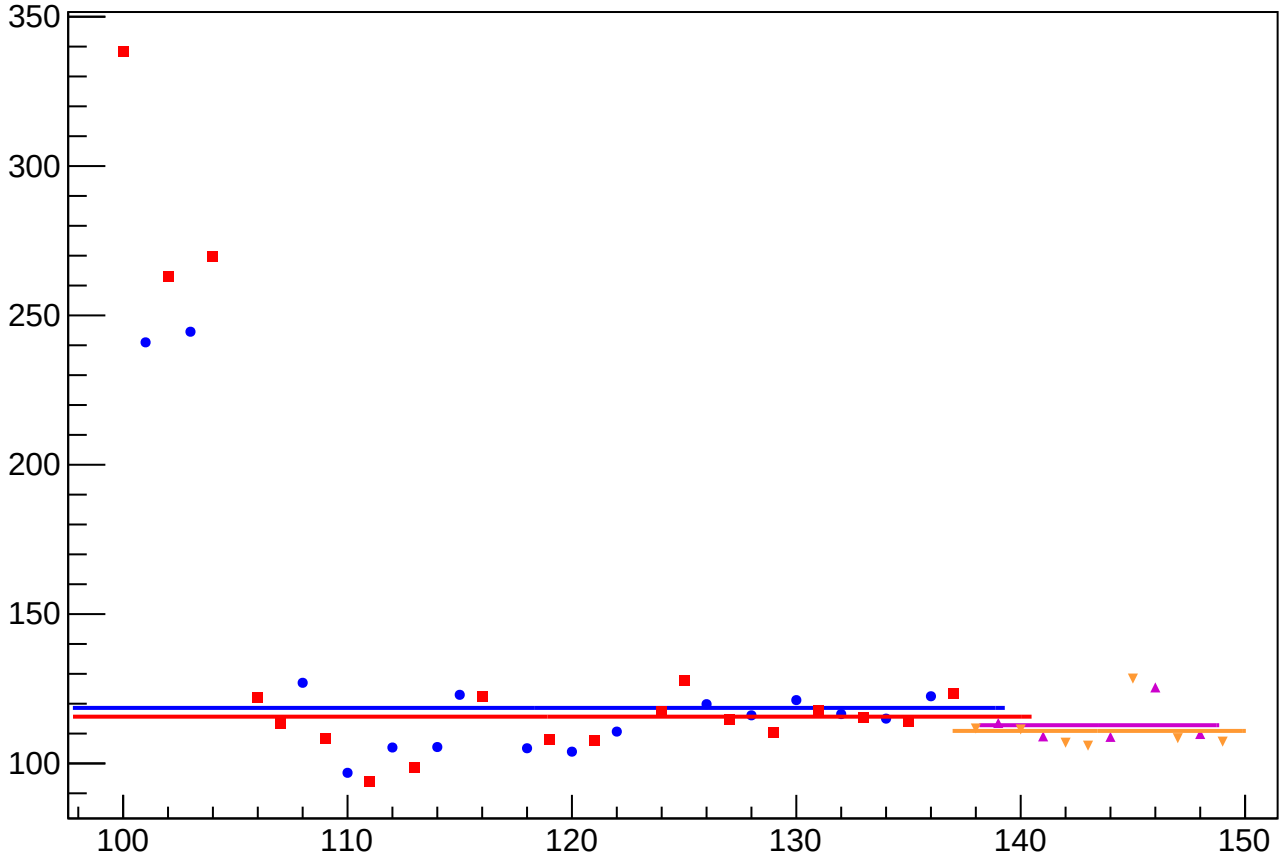
Left In: 4805.199+/-54.954 χ^2/NDF:5341.9/4

+ sign -4786.817+/-33.793 χ^2/NDF: 43875.1/22

All: -1104.133+/-24.206 χ^2/NDF: 82261.5/46

- 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: 110.891+/-0.035 χ^2/NDF:36512.9/6

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

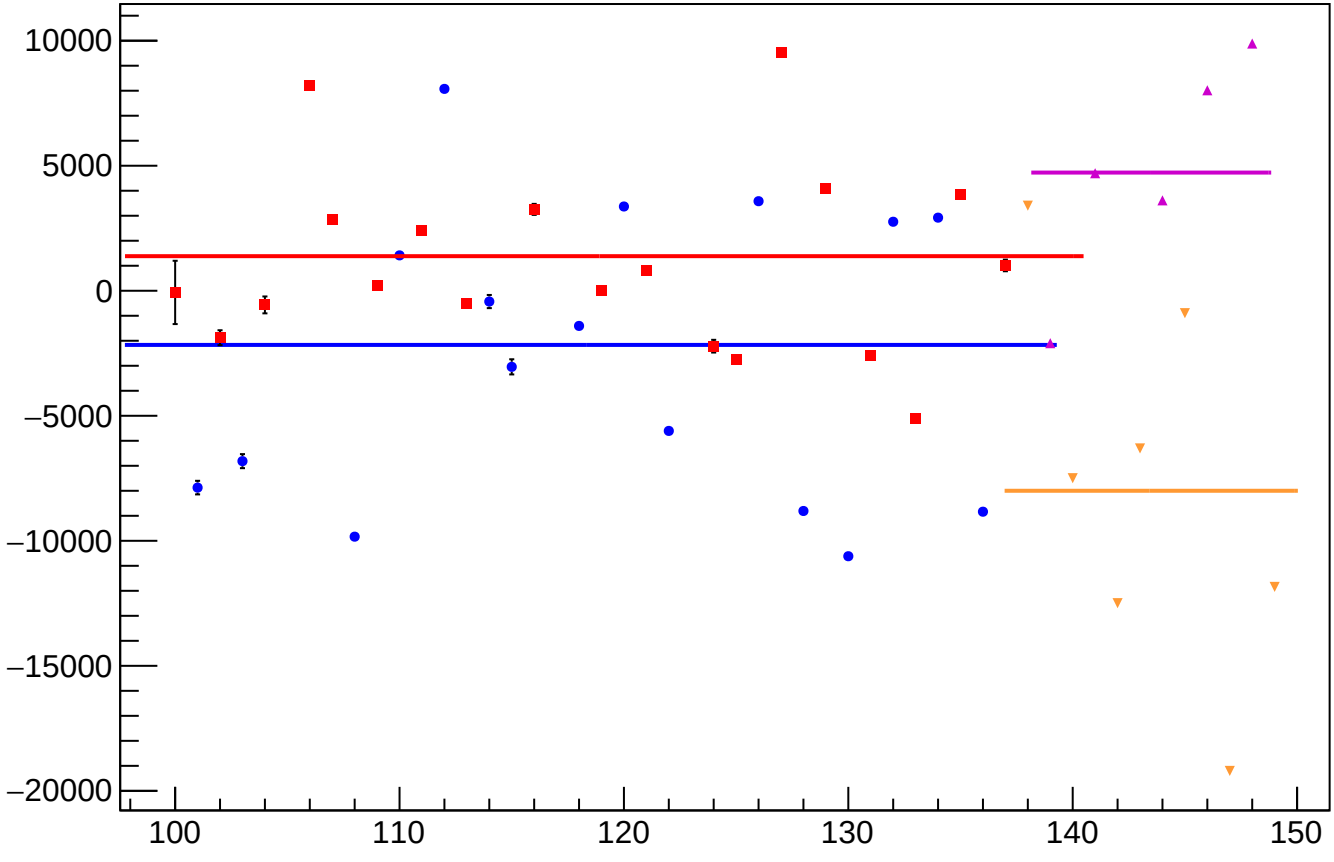
Left In: 112.799+/-0.039 χ^2/NDF:23347.4/4

+ sign 114.922+/-0.024 χ^2/NDF: 796606.0/22

All: 114.726+/-0.017 χ^2/NDF: 1687557.3/46

- 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: -7999.042+/-45.368 χ^2/NDF:23893.1/6

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

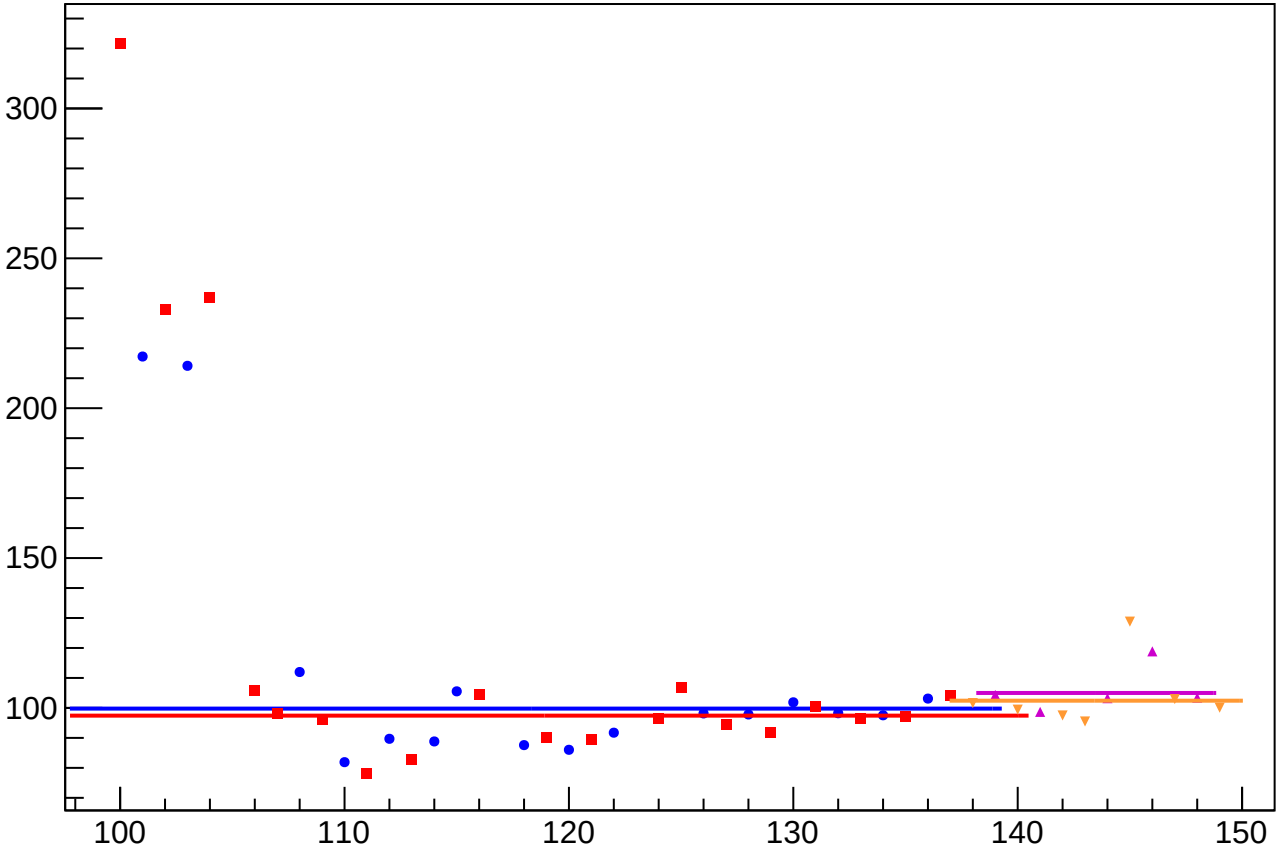
Left In: 4726.446+/-51.242 χ^2/NDF:6226.2/4

+ sign -4690.572+/-29.847 χ^2/NDF: 56144.1/22

All: -1140.818+/-21.336 χ^2/NDF: 103190.7/4

- 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: 102.415+/-0.032 χ^2/NDF:78670.1/6

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

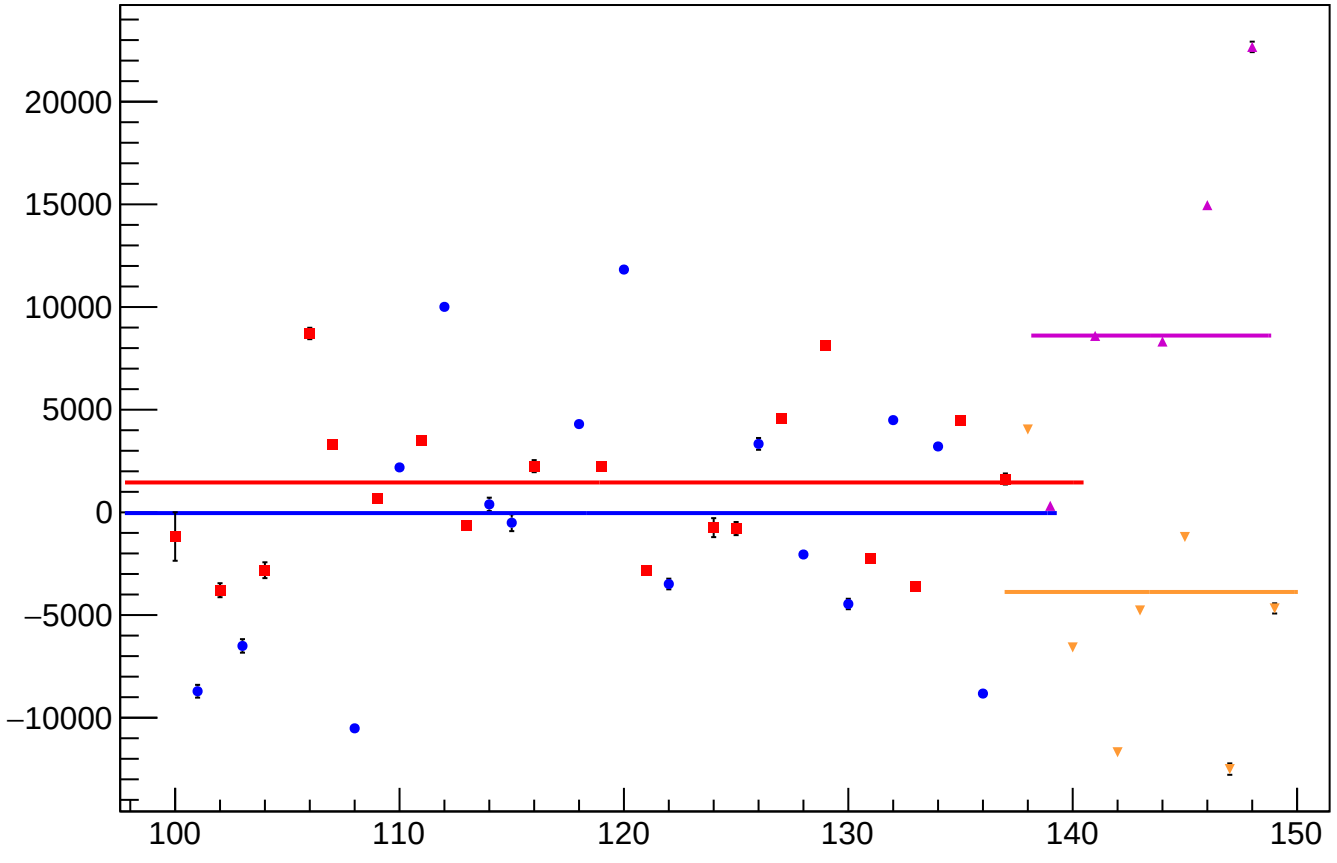
Left In: 104.991+/-0.036 χ^2/NDF:31907.2/4

+ sign 100.917+/-0.021 χ^2/NDF: 891666.2/22

All: 100.522+/-0.015 χ^2/NDF: 1878466.9/46

- 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: -3875.585+/-74.380 χ^2/NDF:5139.2/6

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

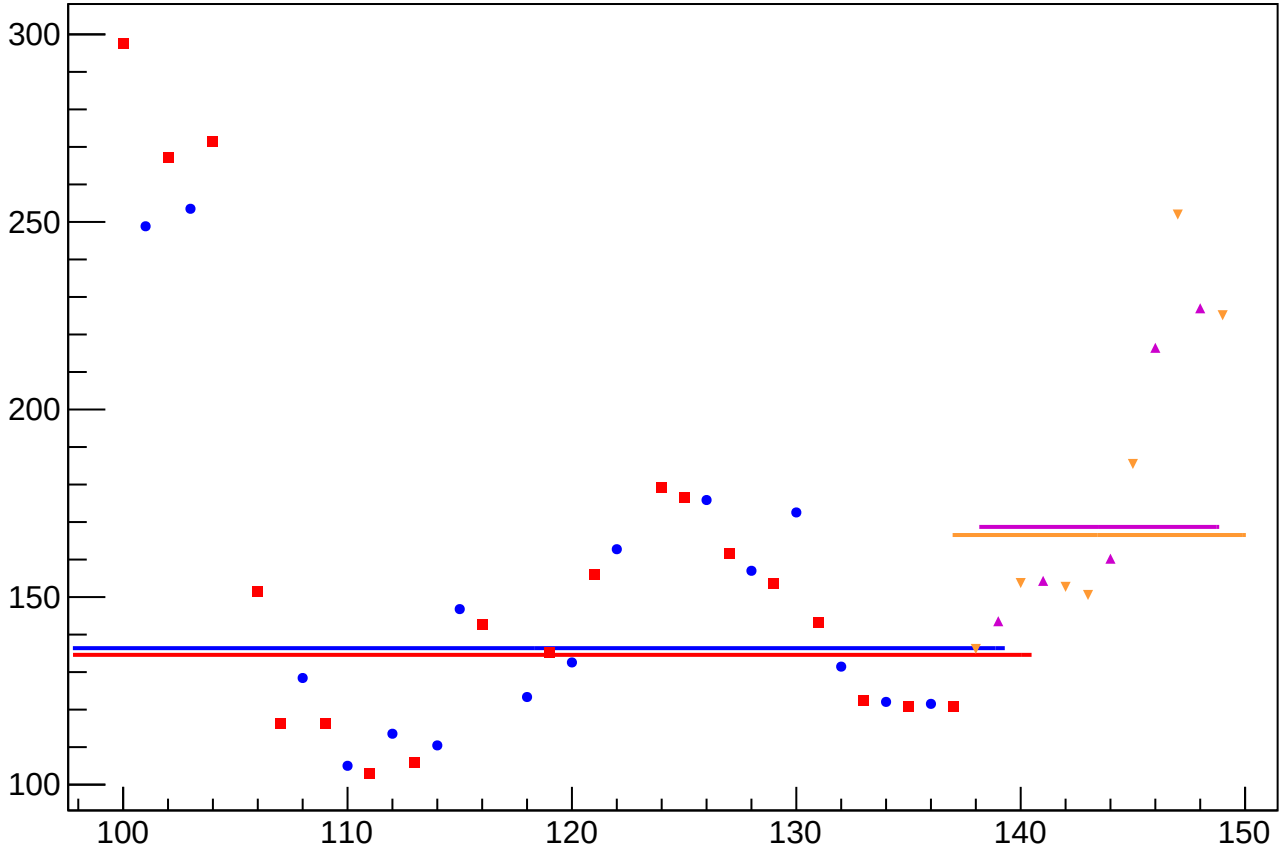
Left In: 8610.526+/-83.043 χ^2/NDF:6539.1/4

+ sign -1343.150+/-43.413 χ^2/NDF: 23700.2/22

All: 1028.279+/-30.917 χ^2/NDF: 45744.6/46

- 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: 166.544+/-0.053 χ^2/NDF:430397.4/6

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

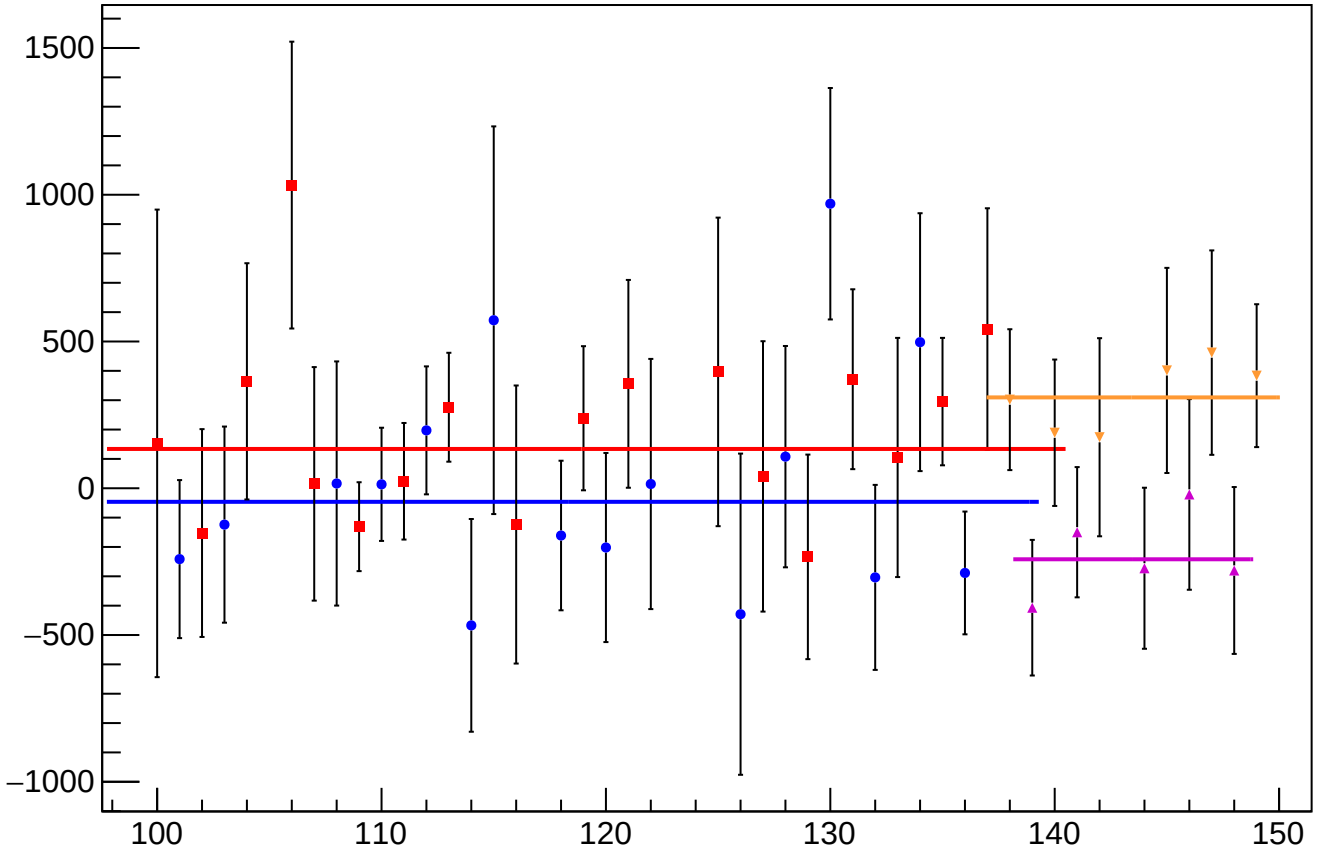
Left In: 168.706+/-0.059 χ^2/NDF:261868.9/4

+ sign 146.658+/-0.031 χ^2/NDF: 1444069.0/22

All: 145.442+/-0.022 χ^2/NDF: 2871217.3/46

- sign 144.191+/-0.031 χ^2/NDF: 1423964.3/23

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 309.524+/-115.059 χ^2/NDF:0.7/5

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

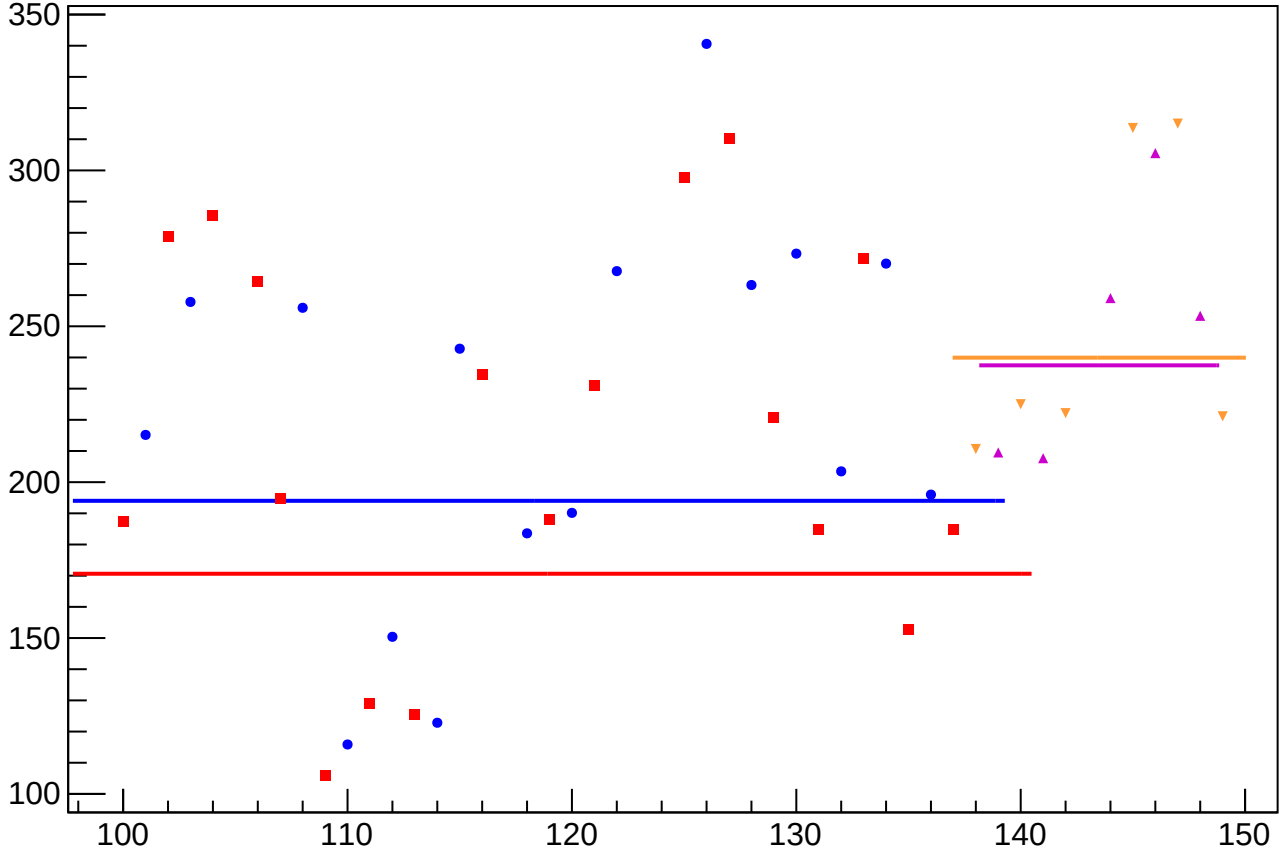
Left In: -241.989+/-116.099 χ^2/NDF:1.2/4

+ sign 62.418+/-63.579 χ^2/NDF: 22.9/21

All: 48.763+/-43.224 χ^2/NDF: 44.7/44

- 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: 239.938+/-0.081 χ^2/NDF:236359.2/5

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

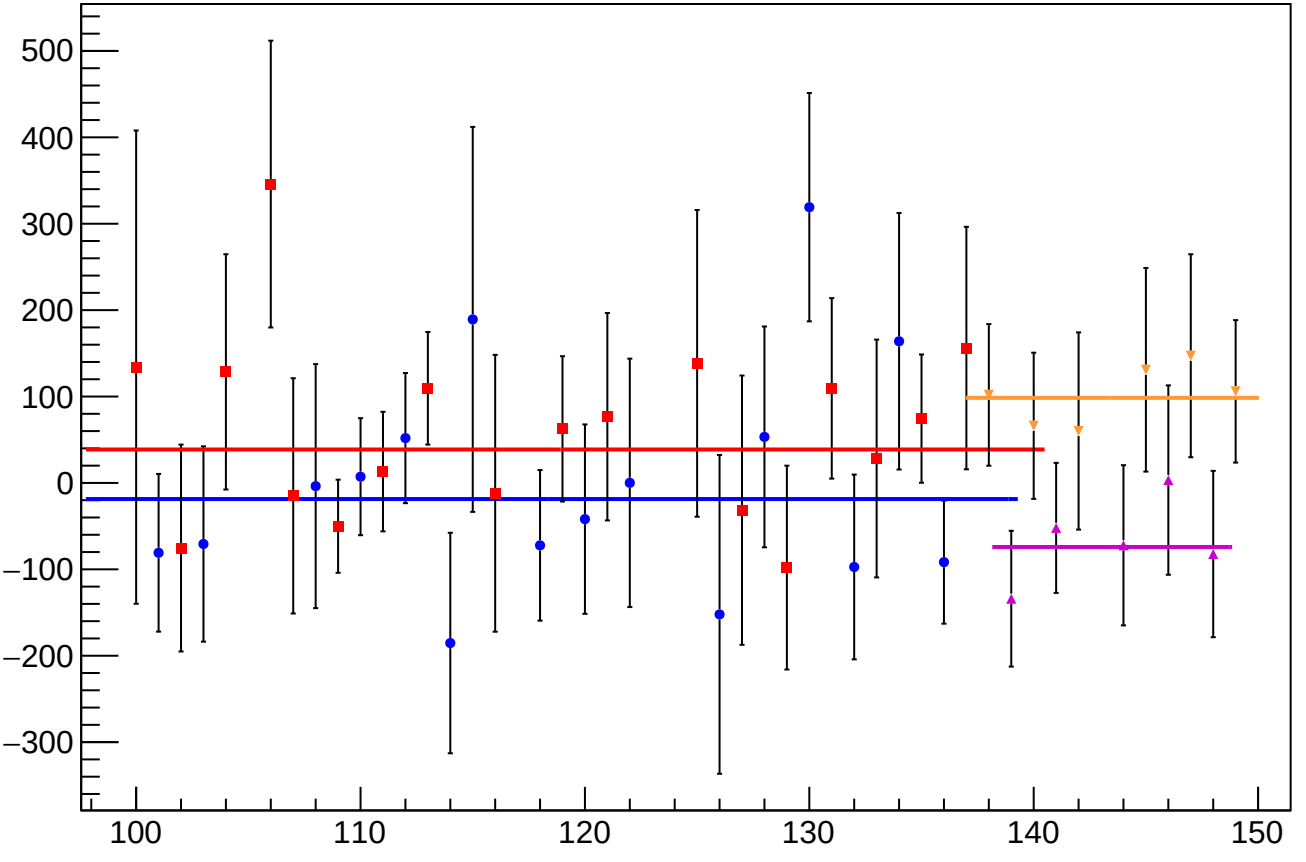
Left In: 237.475+/-0.082 χ^2/NDF:171760.2/4

+ sign 208.038+/-0.045 χ^2/NDF: 1501247.9/21

All: 197.183+/-0.031 χ^2/NDF: 3867357.3/44

- 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: 98.510+/-39.014 χ^2/NDF:0.5/5

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

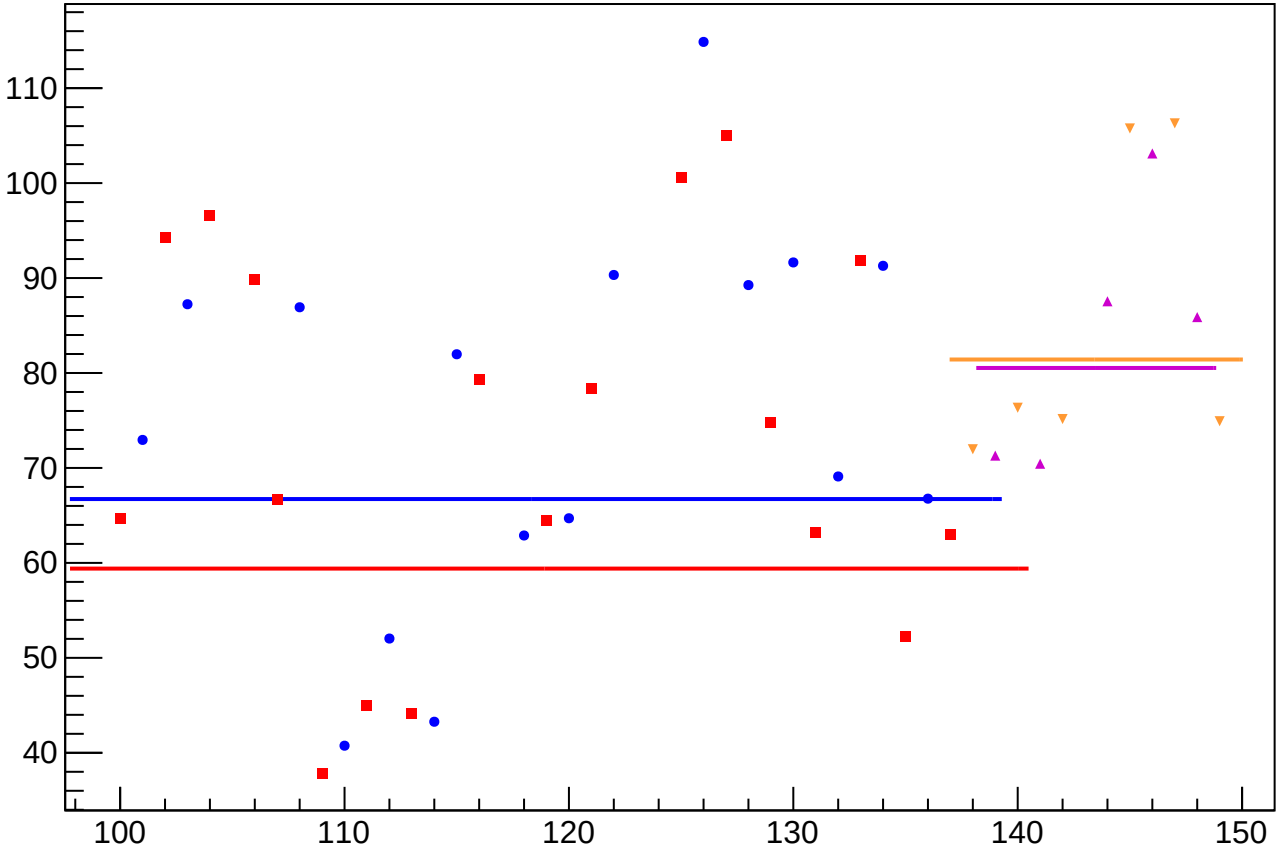
Left In: -74.126+/-39.344 χ^2/NDF:1.2/4

+ sign 17.620+/-21.706 χ^2/NDF: 22.0/21

All: 12.888+/-14.815 χ^2/NDF: 41.9/44

- 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: 81.421+/-0.028 χ^2/NDF:227219.9/5

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

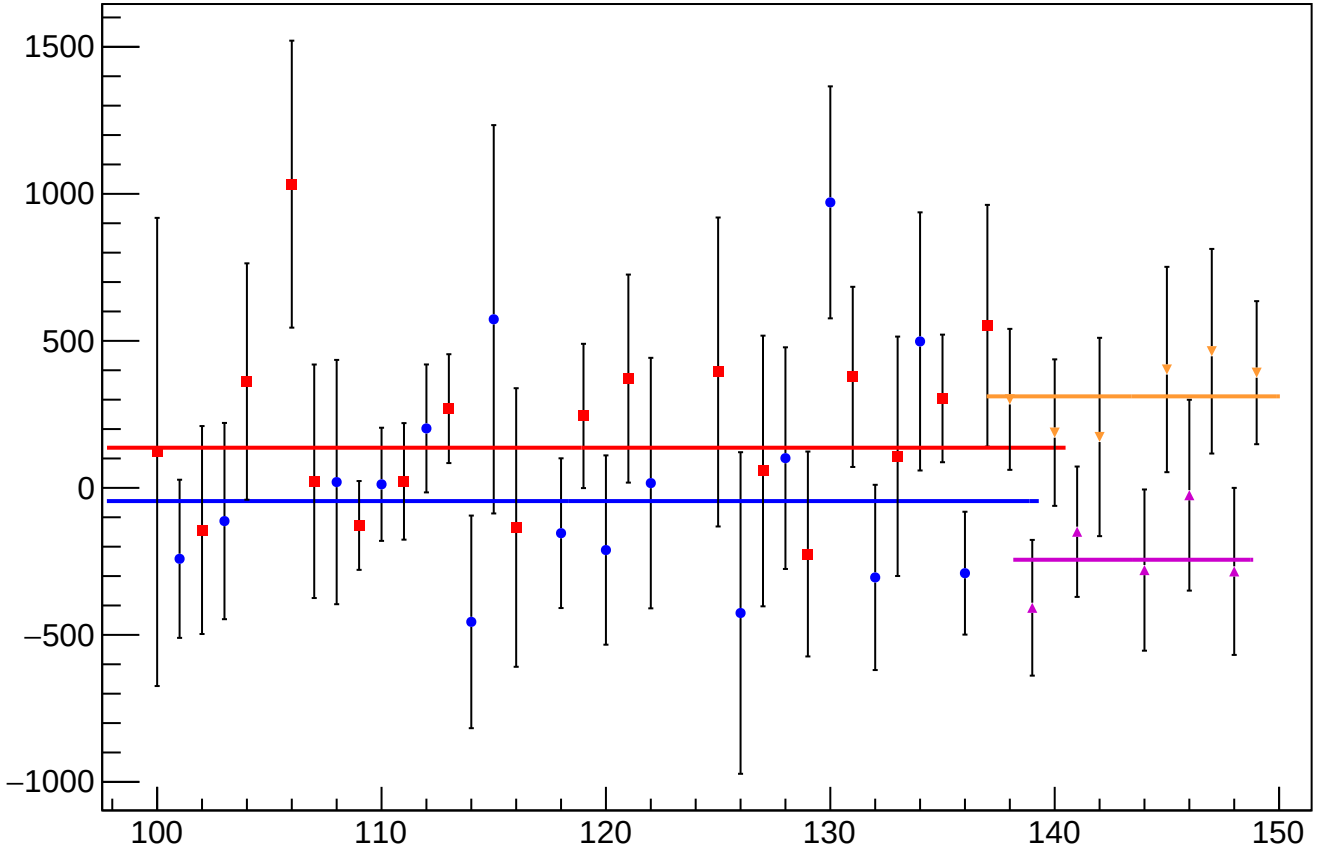
Left In: 80.530+/-0.028 χ^2/NDF:166161.0/4

+ sign 71.273+/-0.015 χ^2/NDF: 1370206.2/21

All: 67.927+/-0.010 χ^2/NDF: 3494409.9/44

- 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: 311.239+/-114.972 χ^2/NDF:0.8/5

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

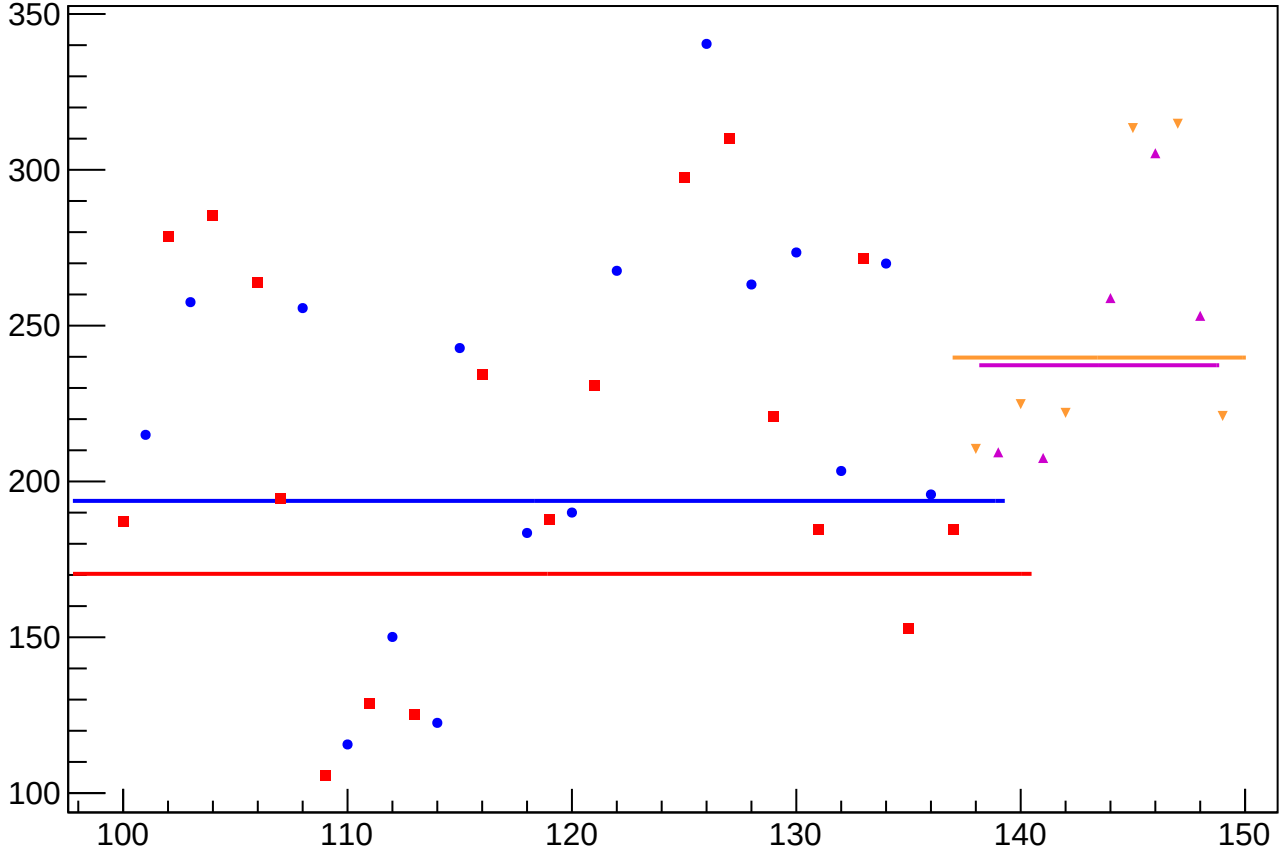
Left In: -244.472+/-116.010 χ^2/NDF:1.2/4

\+ sign 63.778+/-63.515 χ^2/NDF: 22.9/21

All: 50.154+/-43.177 χ^2/NDF: 45.1/44

\- 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: 239.756+/-0.081 χ^2/NDF:236394.2/5

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

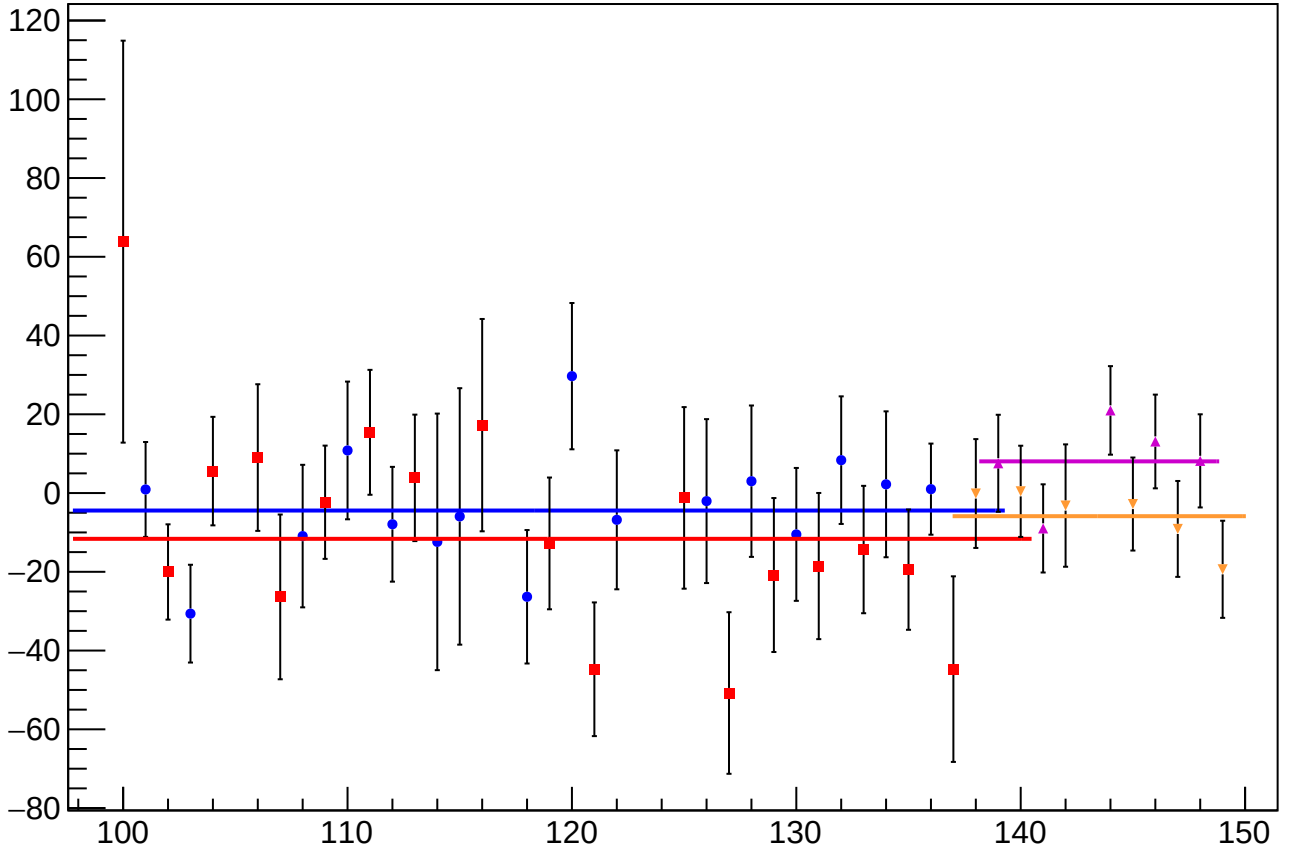
Left In: 237.291+/-0.082 χ^2/NDF:171788.9/4

+ sign 207.803+/-0.045 χ^2/NDF: 1506822.4/21

All: 196.933+/-0.031 χ^2/NDF: 3880851.0/44

- 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: -5.876+/-5.176 χ^2/NDF:1.8/5

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

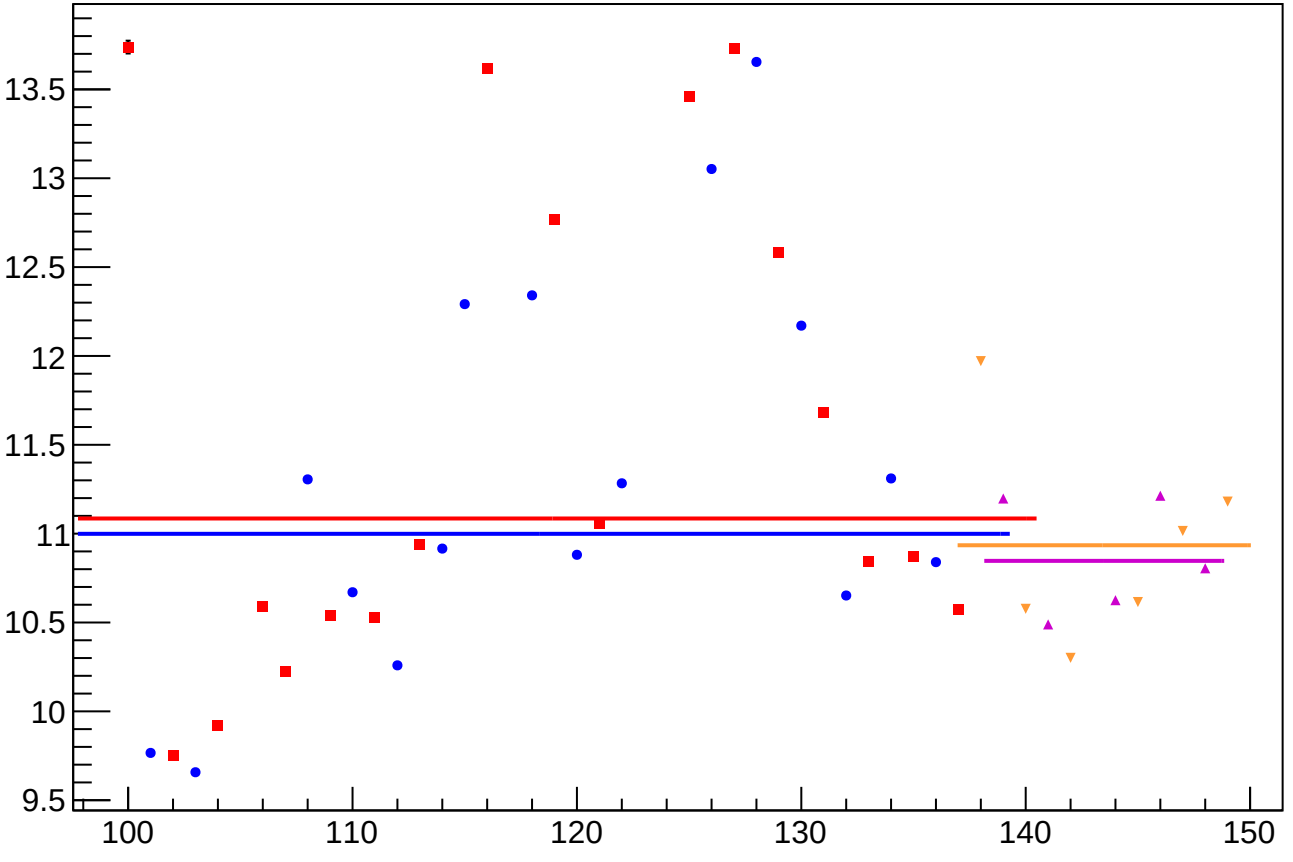
Left In: 8.046+/-5.221 χ^2/NDF:3.8/4

+ sign -4.999+/-3.229 χ^2/NDF: 13.9/21

All: -4.521+/-2.288 χ^2/NDF: 48.1/44

- 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: 10.935+/-0.004 χ^2/NDF:18817.8/5

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

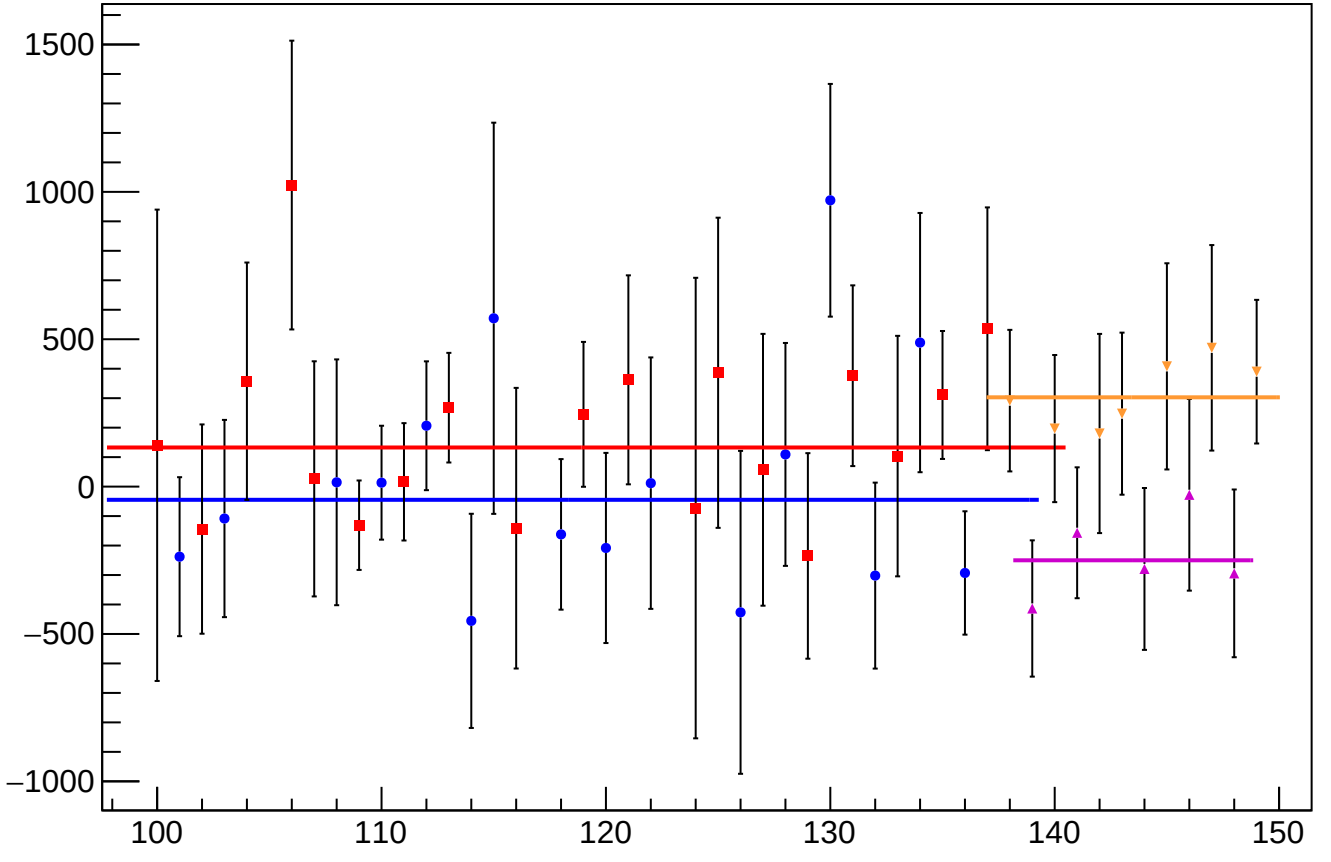
Left In: 10.847+/-0.004 χ^2/NDF:6357.7/4

+ sign 10.974+/-0.002 χ^2/NDF: 155165.9/21

All: 10.984+/-0.002 χ^2/NDF: 326326.1/44

- 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: 302.935+/-106.226 χ^2/NDF:0.8/6

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

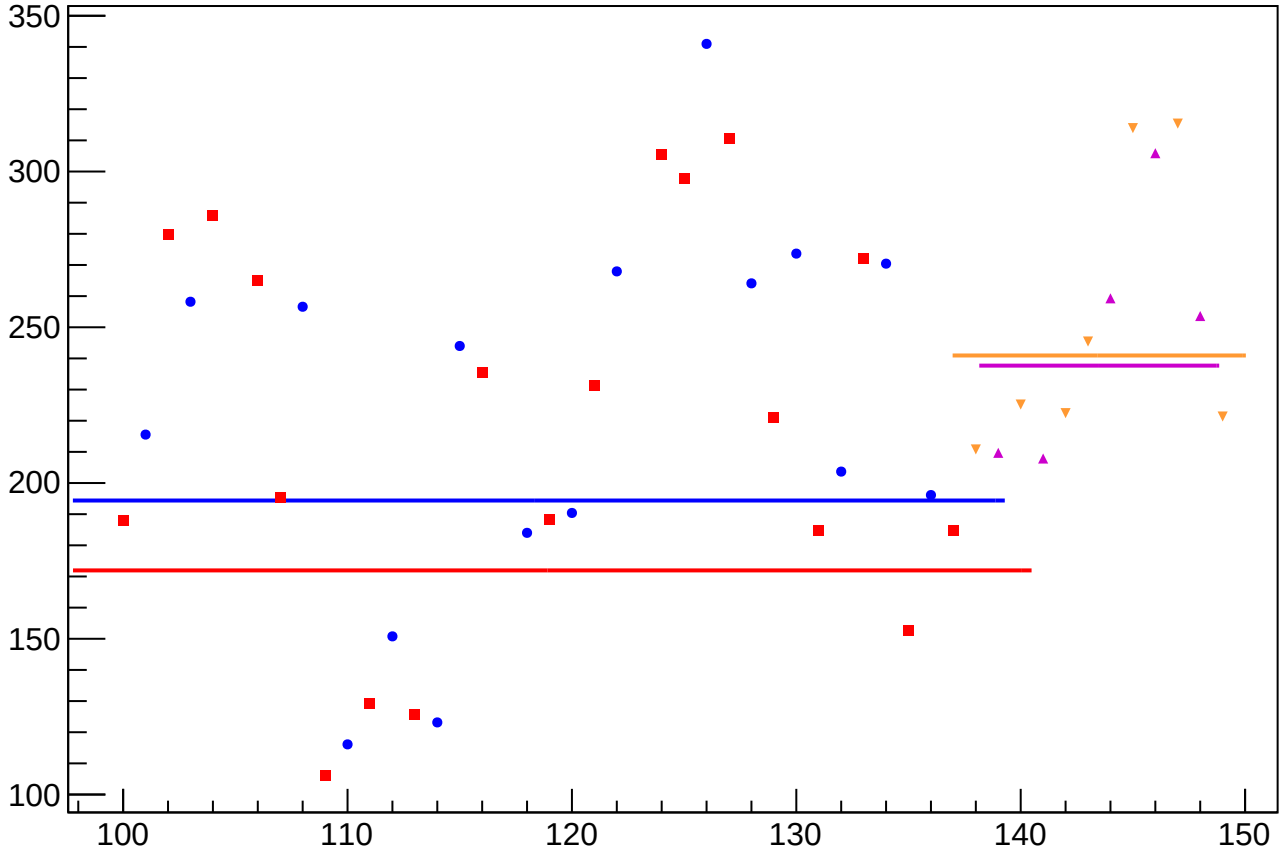
Left In: -250.023+/-116.207 χ^2/NDF:1.2/4

\+ sign 73.802+/-62.037 χ^2/NDF: 23.3/22

All: 53.132+/-42.700 χ^2/NDF: 45.6/46

\- 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: 240.946+/-0.075 χ^2/NDF:237241.1/6

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

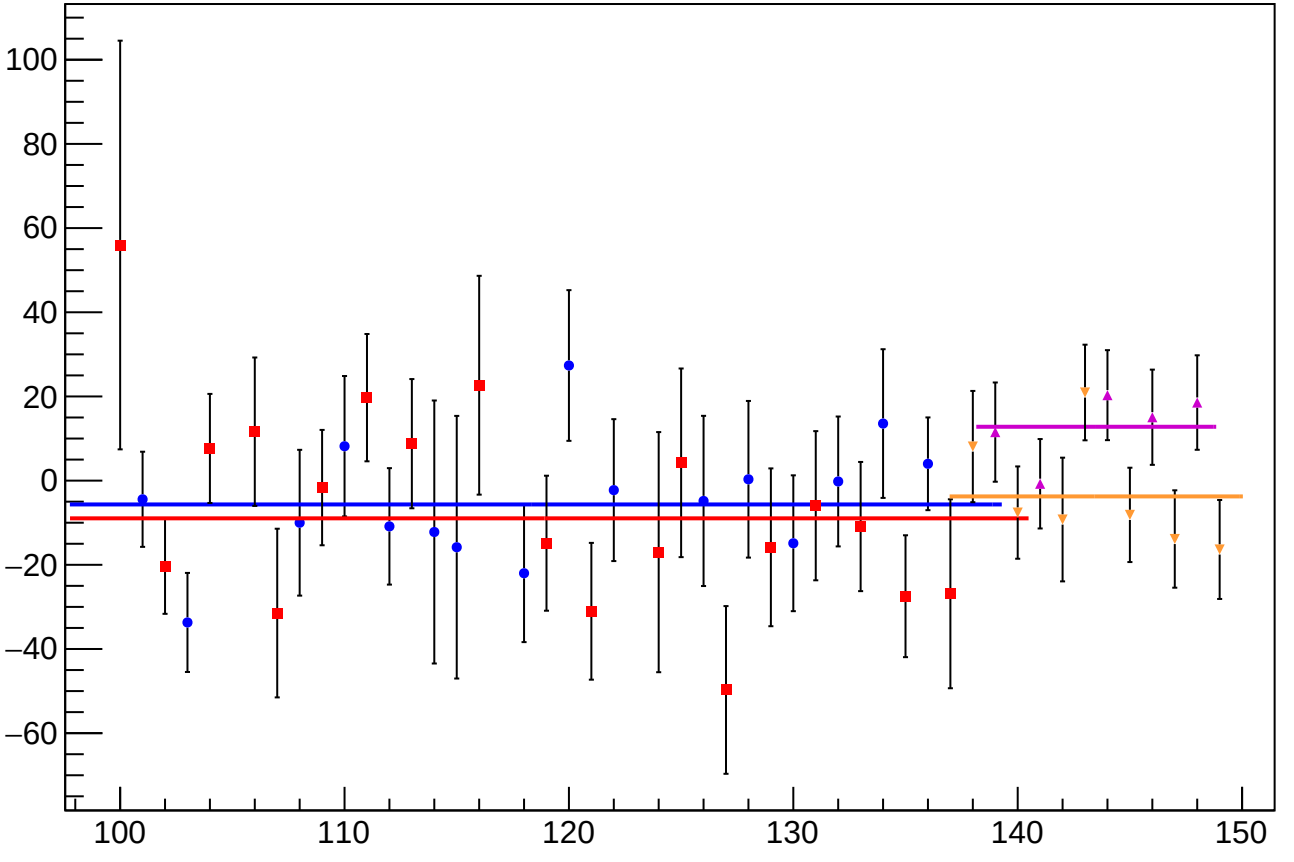
Left In: 237.689+/-0.082 χ^2/NDF:171983.2/4

+ sign 210.265+/-0.044 χ^2/NDF: 1532461.7/22

All: 198.978+/-0.030 χ^2/NDF: 3957443.5/46

- 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: -3.751+/-4.514 χ^2/NDF:7.9/6

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

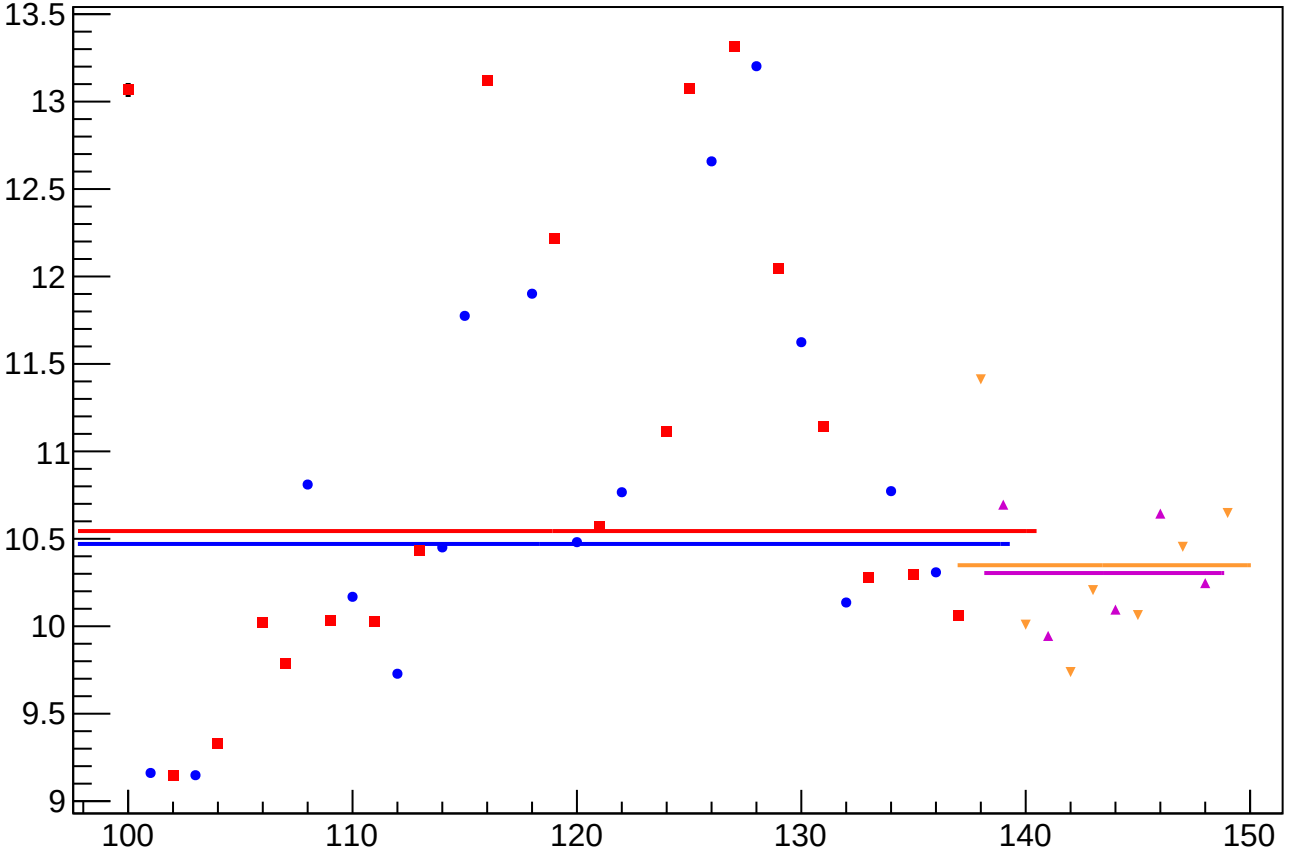
Left In: 12.798+/-4.966 χ^2/NDF:2.4/4

+ sign -4.833+/-2.968 χ^2/NDF: 21.6/22

All: -2.814+/-2.133 χ^2/NDF: 59.7/46

- 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: 10.349+/-0.003 χ^2/NDF:21377.8/6

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

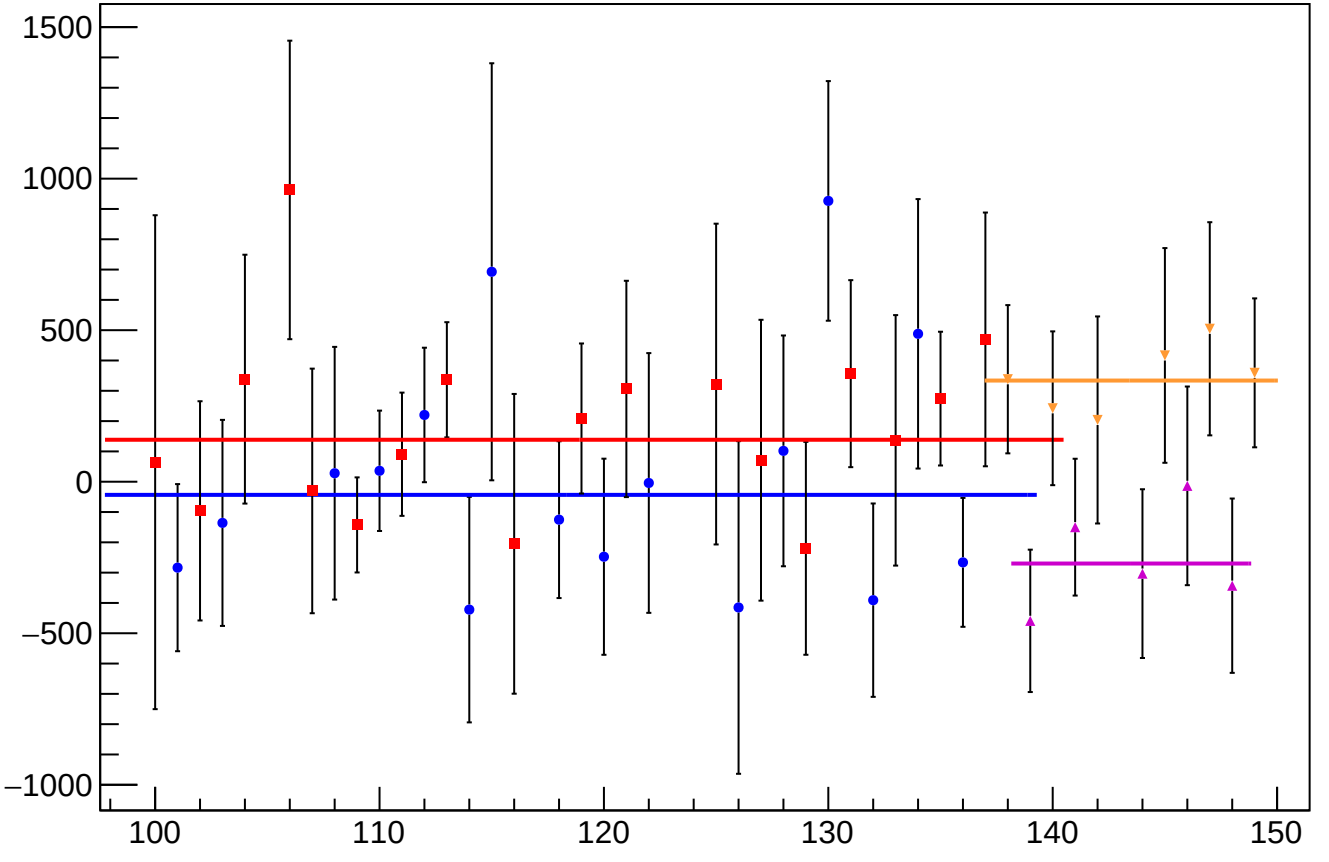
Left In: 10.304+/-0.004 χ^2/NDF:7113.4/4

+ sign 10.418+/-0.002 χ^2/NDF: 179567.6/22

All: 10.435+/-0.002 χ^2/NDF: 376483.9/46

- 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: 333.823+/-116.692 χ^2/NDF:0.6/5

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

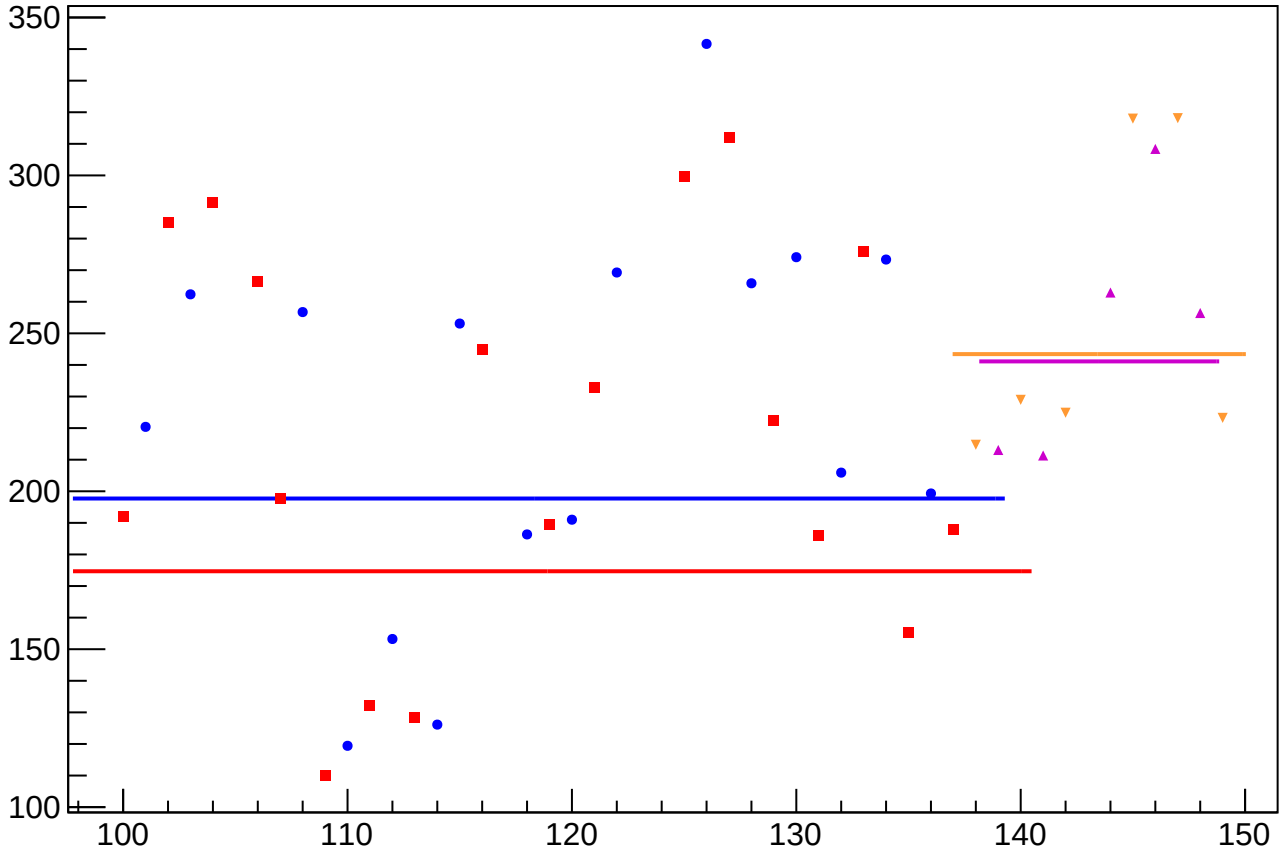
Left In: -269.950+/-117.808 χ^2/NDF:1.6/4

\+ sign 72.245+/-64.607 χ^2/NDF: 23.3/21

All: 50.802+/-43.993 χ^2/NDF: 45.5/44

\- 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: 243.427+/-0.083 χ^2/NDF:232285.9/5

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

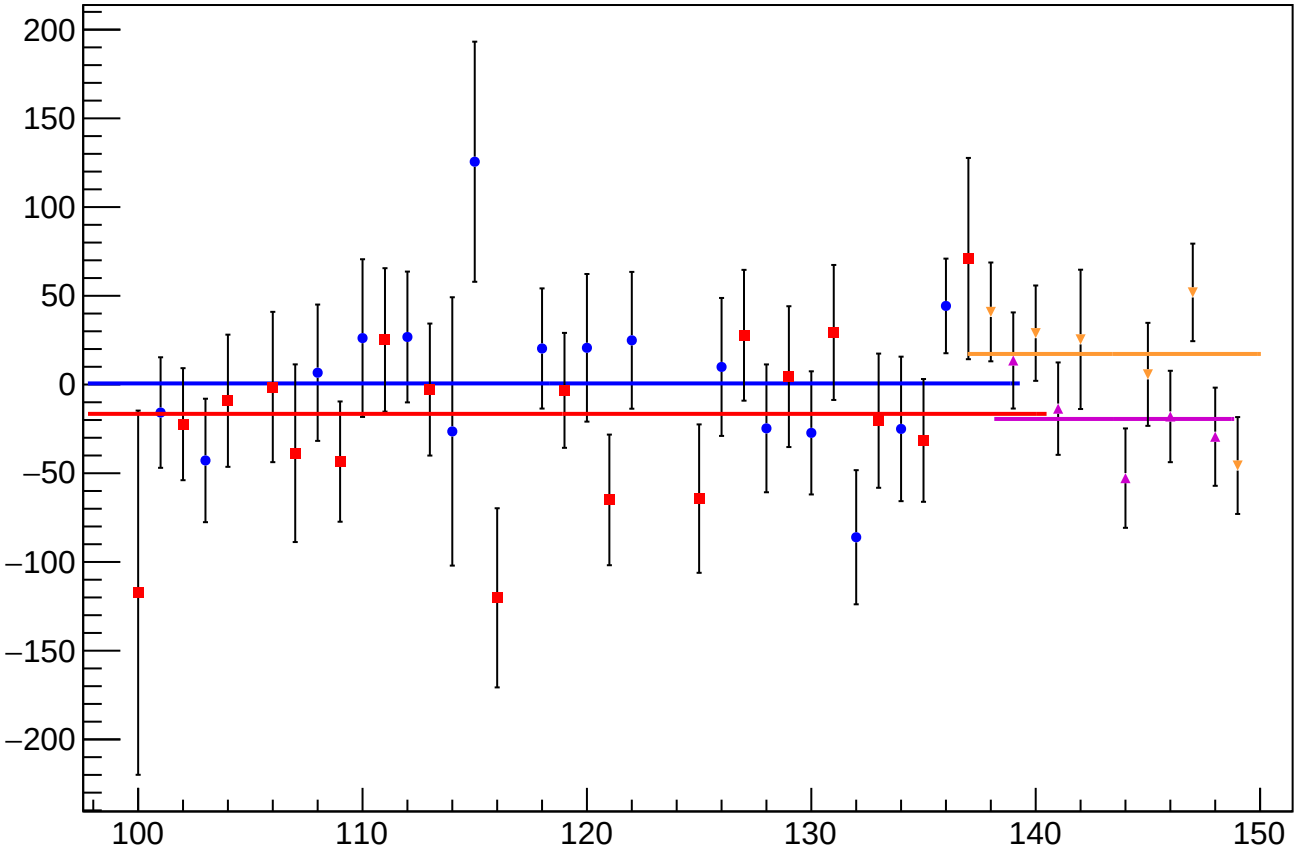
Left In: 241.118+/-0.083 χ^2/NDF:165552.2/4

+ sign 211.722+/-0.046 χ^2/NDF: 1445513.1/21

All: 201.120+/-0.031 χ^2/NDF: 3716942.2/44

- 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: 17.232+/-11.804 χ^2/NDF:8.0/5

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

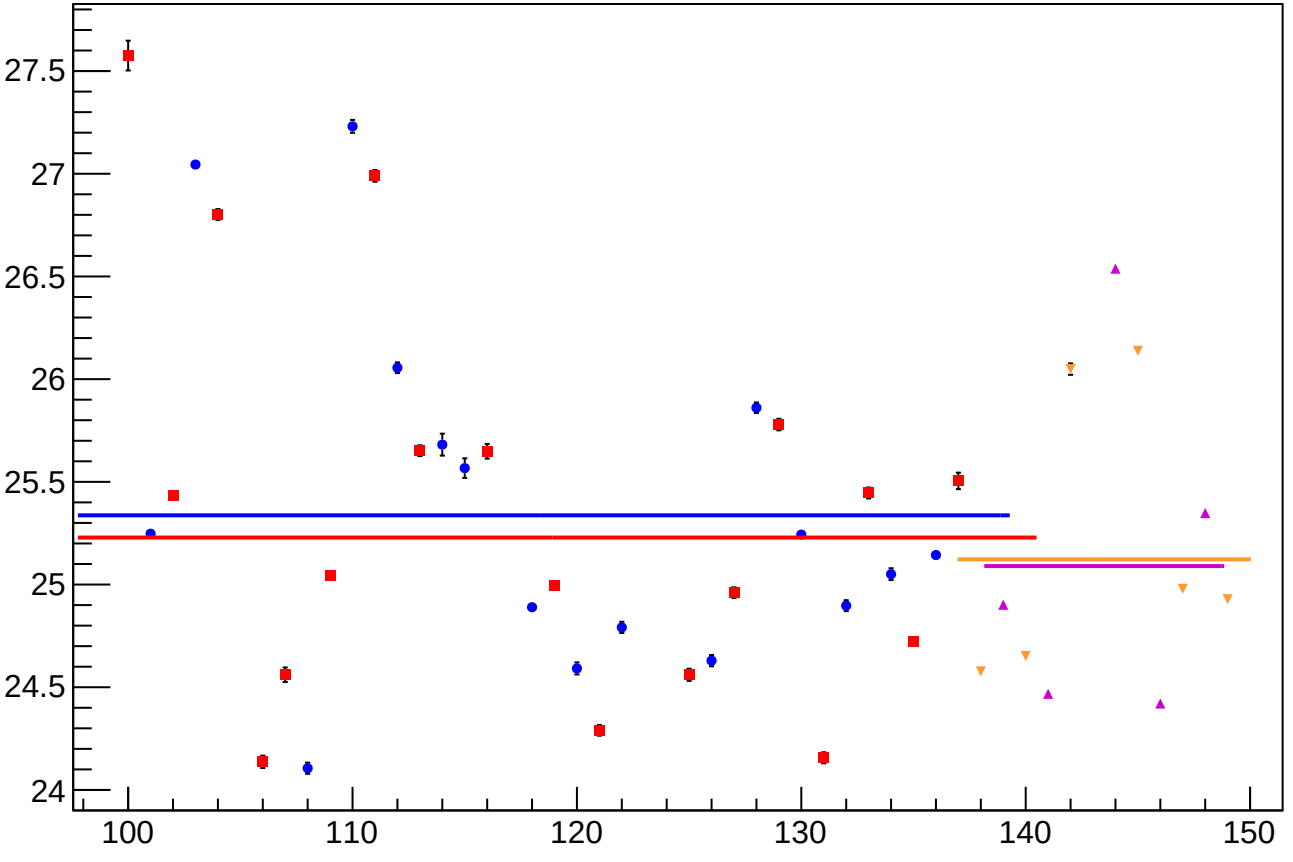
Left In: -19.404+/-12.014 χ^2/NDF:3.1/4

+ sign 7.084+/-7.363 χ^2/NDF: 26.0/21

All: -5.273+/-5.205 χ^2/NDF: 51.1/44

- 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: 25.123+/-0.008 χ^2/NDF:5098.8/5

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

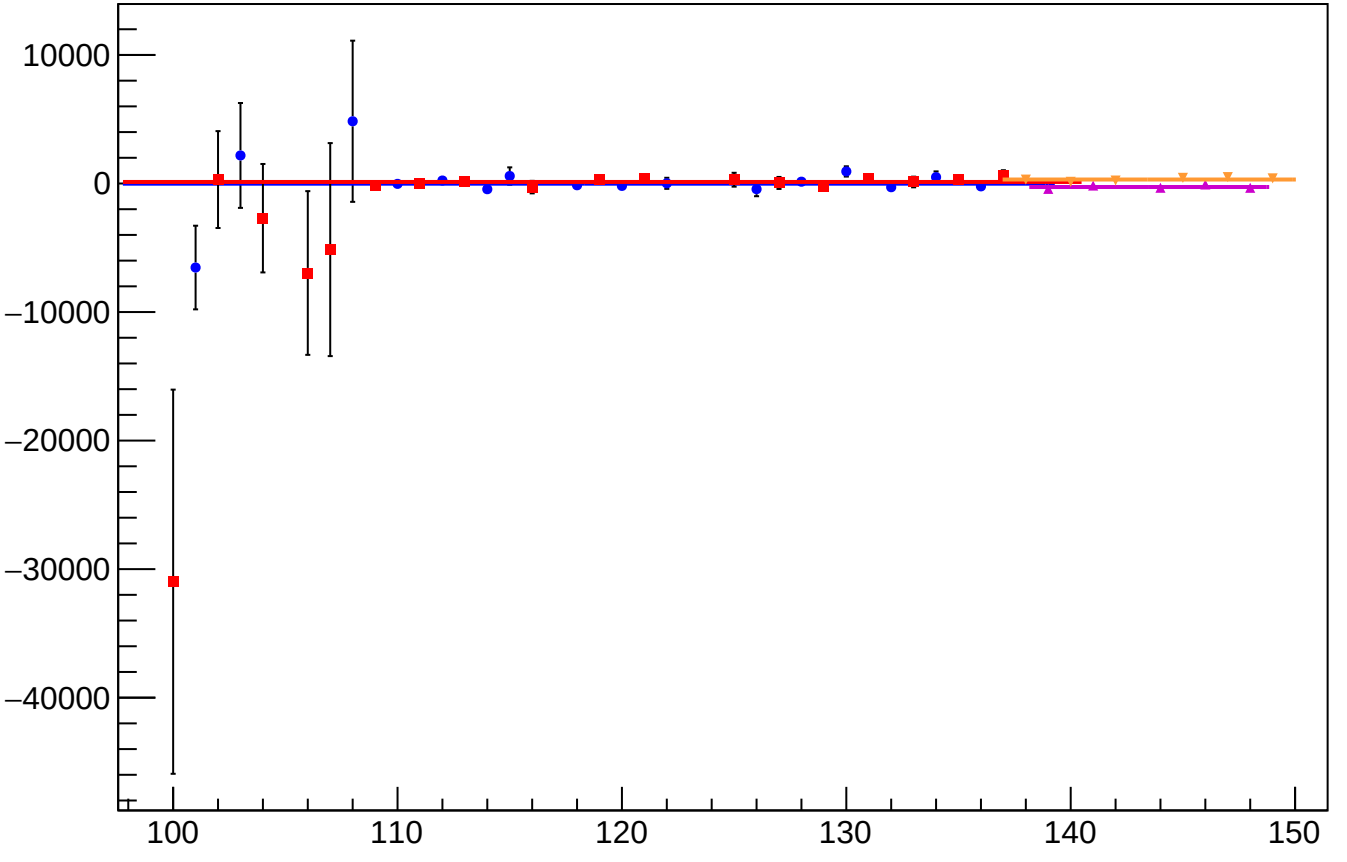
Left In: 25.090+/-0.008 χ^2/NDF:8109.0/4

+ sign 25.254+/-0.005 χ^2/NDF: 19816.9/21

All: 25.215+/-0.004 χ^2/NDF: 43377.7/44

- 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: 309.924+/-117.326 χ^2/NDF:1.1/5

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

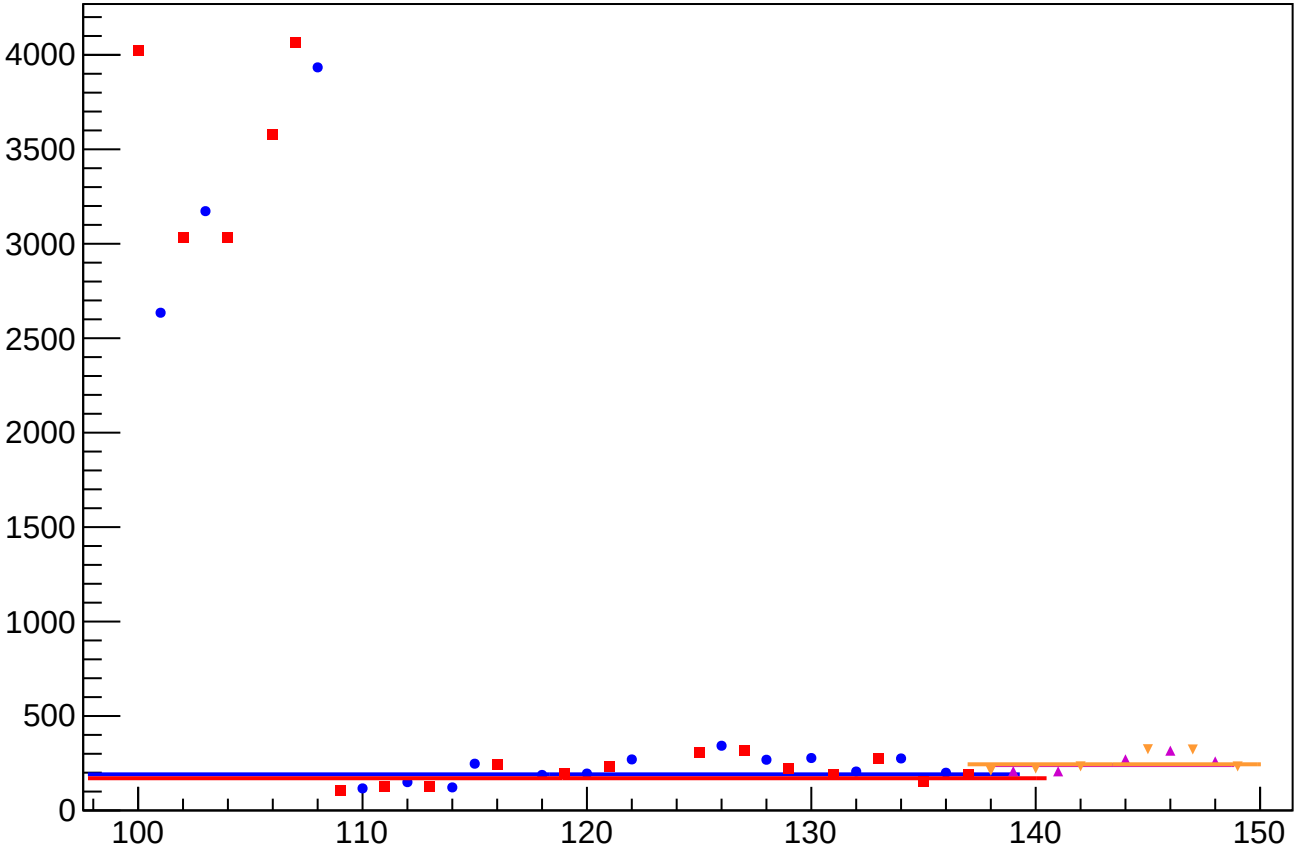
Left In: -272.720+/-117.785 χ^2/NDF:1.1/4

+ sign 97.109+/-68.543 χ^2/NDF: 24.4/21

All: 45.975+/-47.232 χ^2/NDF: 48.7/44

- 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: 244.366+/-0.083 χ^2/NDF:257143.9/5

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

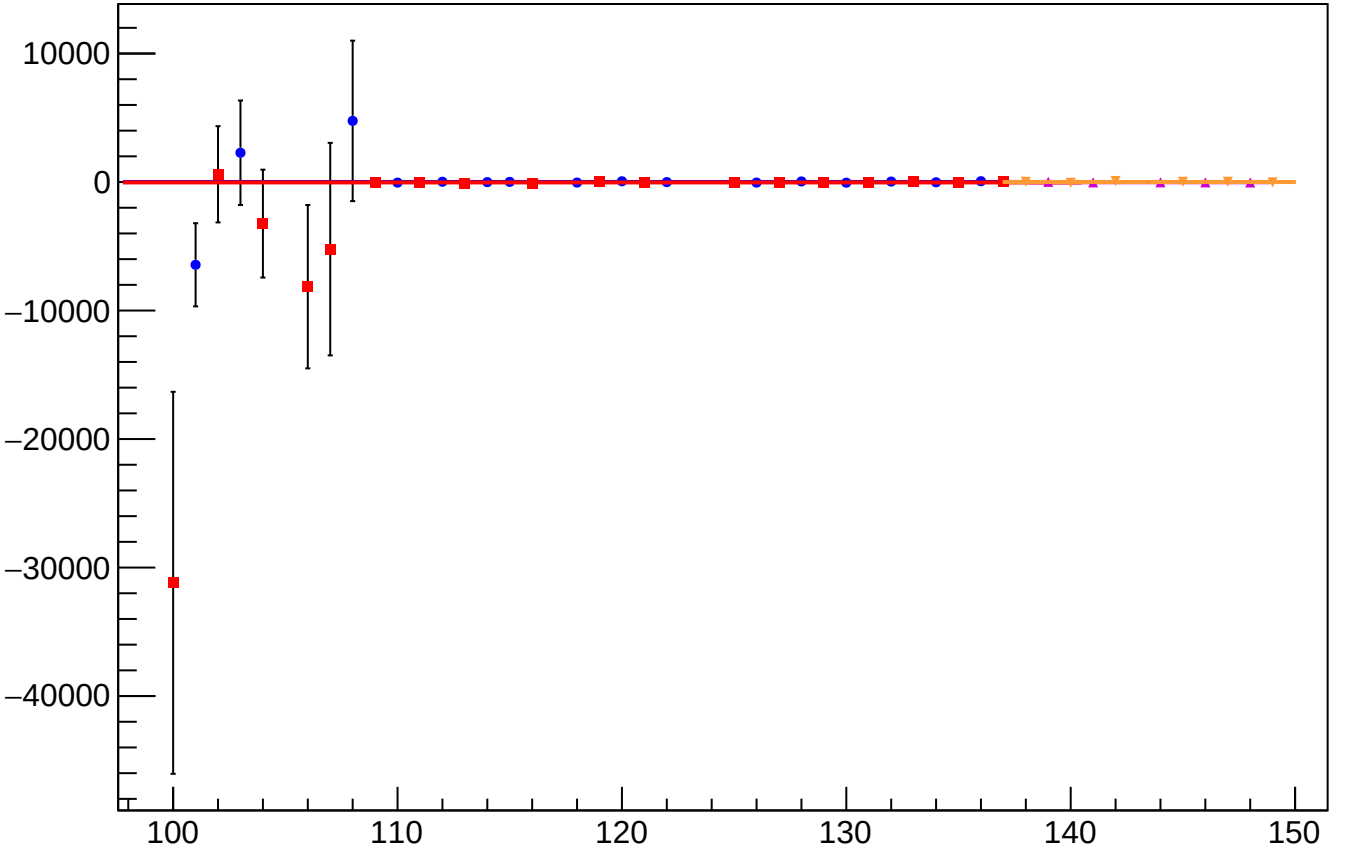
Left In: 240.268+/-0.083 χ^2/NDF:217524.3/4

+ sign 209.260+/-0.048 χ^2/NDF: 4362943.7/21

All: 200.121+/-0.033 χ^2/NDF: 9389932.6/44

- 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: 1.921+/-13.866 χ^2/NDF:8.2/5

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

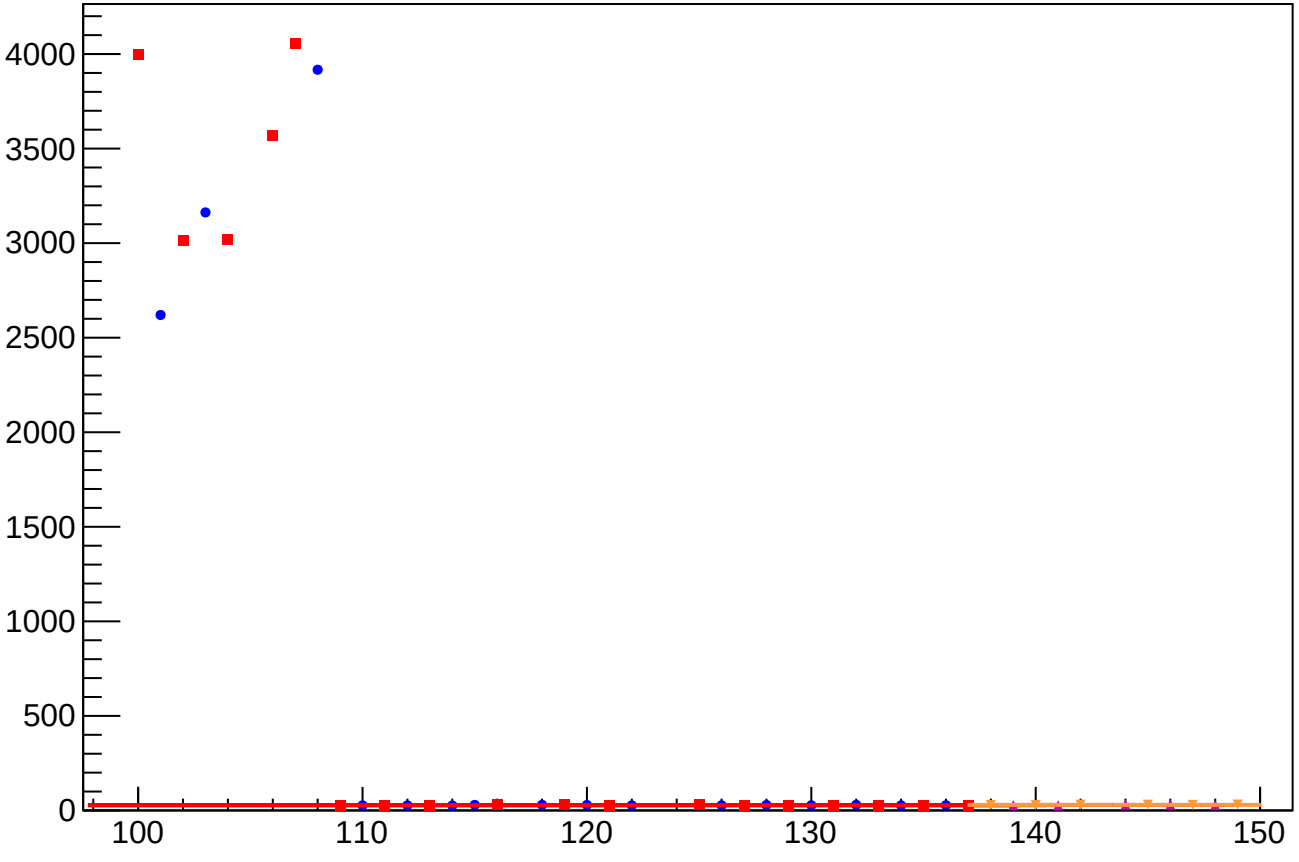
Left In: -16.107+/-13.950 χ^2/NDF:1.4/4

+ sign 4.577+/-8.971 χ^2/NDF: 26.5/21

All: -9.683+/-6.400 χ^2/NDF: 53.6/44

- 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: 29.434+/-0.010 χ^2/NDF:13051.0/5

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

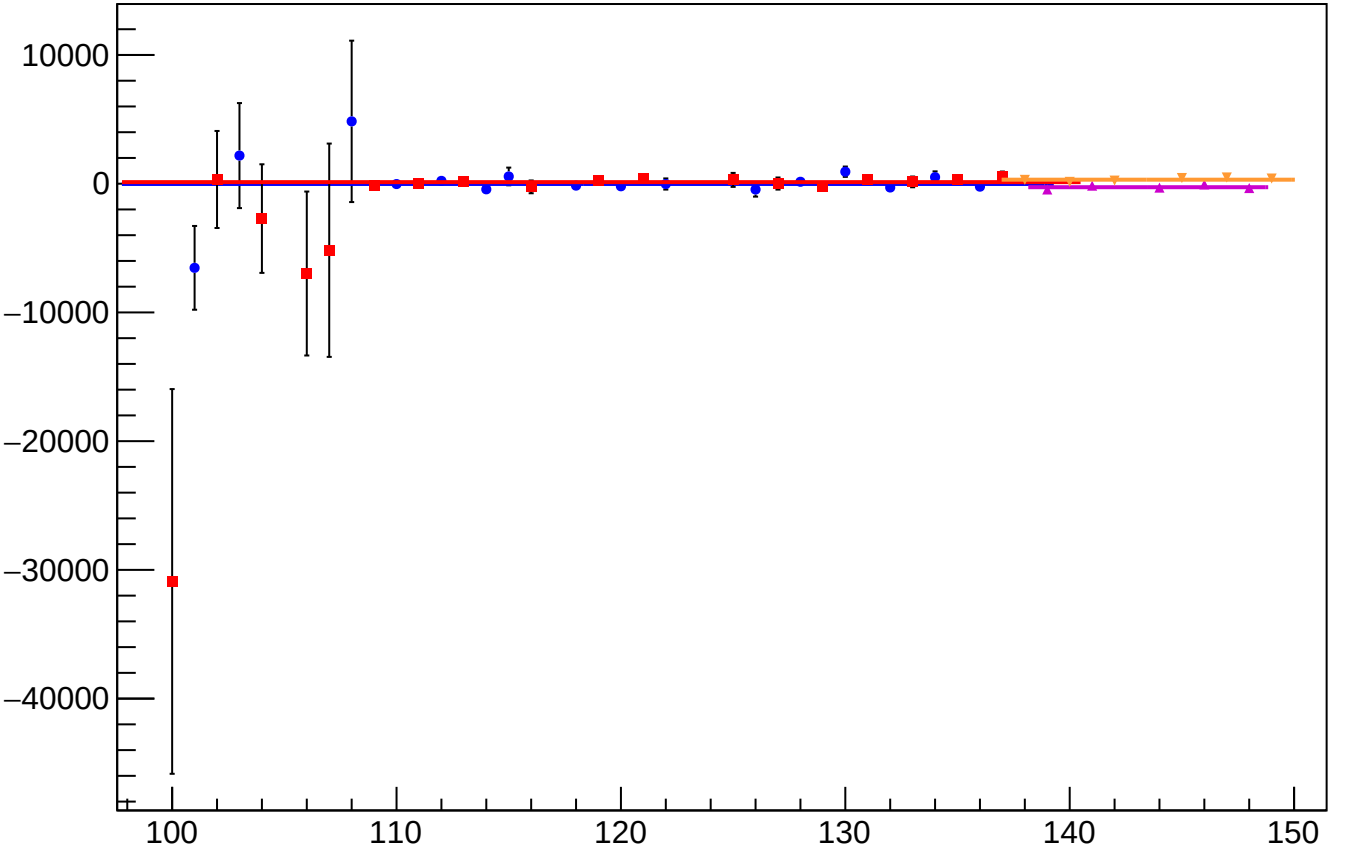
Left In: 29.080+/-0.010 χ^2/NDF:25719.1/4

+ sign 28.498+/-0.006 χ^2/NDF: 3294600.2/21

All: 28.419+/-0.005 χ^2/NDF: 6888982.0/44

- 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: 311.663+/-117.825 χ^2/NDF:1.0/5

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

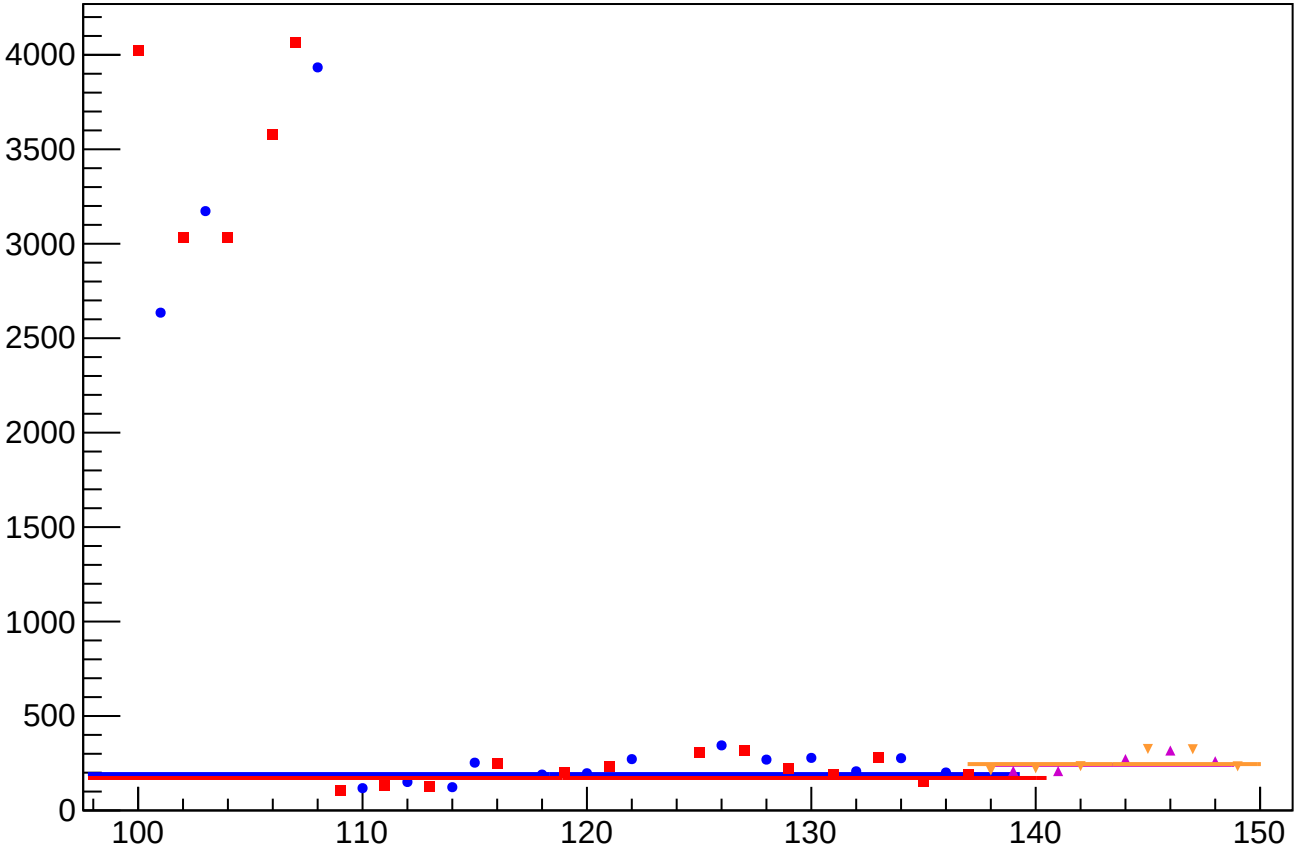
Left In: -272.689+/-118.366 χ^2/NDF:1.3/4

+ sign 93.950+/-68.968 χ^2/NDF: 24.4/21

All: 44.841+/-47.540 χ^2/NDF: 47.6/44

- 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: 245.421+/-0.083 χ^2/NDF:256251.9/5

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

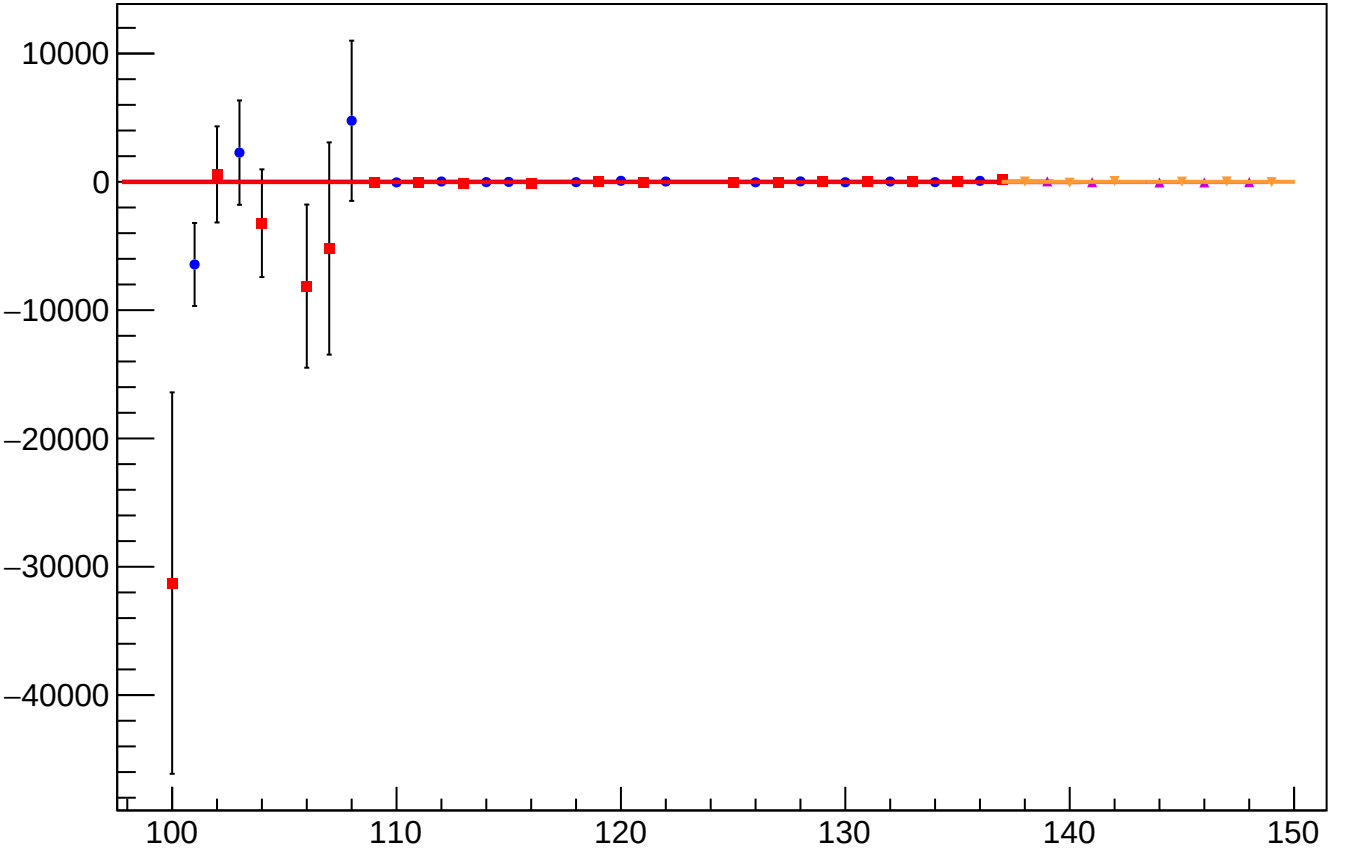
Left In: 241.506+/-0.084 χ^2/NDF:214621.4/4

+ sign 210.671+/-0.049 χ^2/NDF: 4343670.9/21

All: 201.549+/-0.034 χ^2/NDF: 9351841.5/44

- sign 193.291+/-0.046 χ^2/NDF: 4941504.9/22

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: 0.342+/-15.074 χ^2/NDF:7.3/5

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

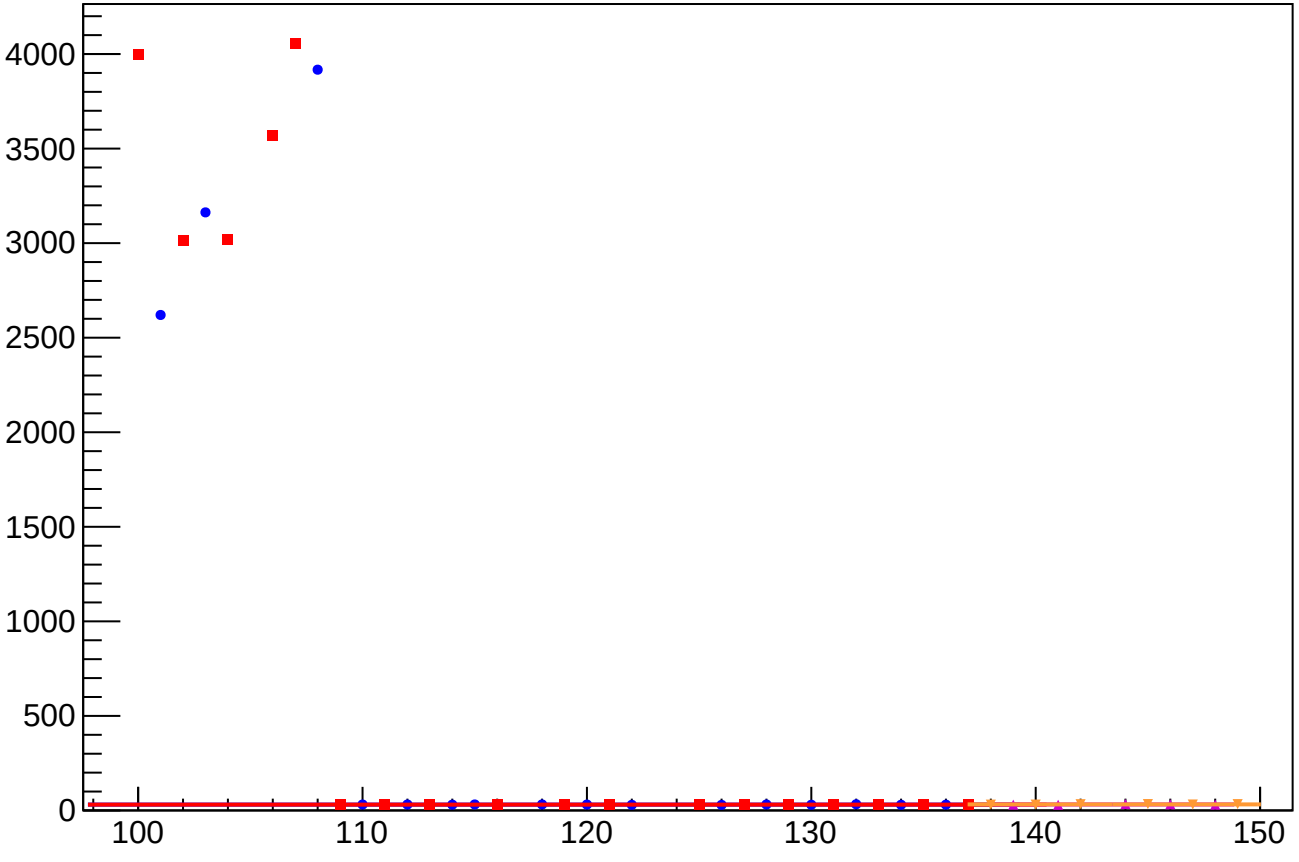
Left In: -18.669+/-15.161 χ^2/NDF:4.3/4

+ sign 7.979+/-9.872 χ^2/NDF: 23.2/21

All: -6.024+/-7.037 χ^2/NDF: 60.0/44

- 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: 32.017+/-0.011 χ^2/NDF:12633.1/5

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

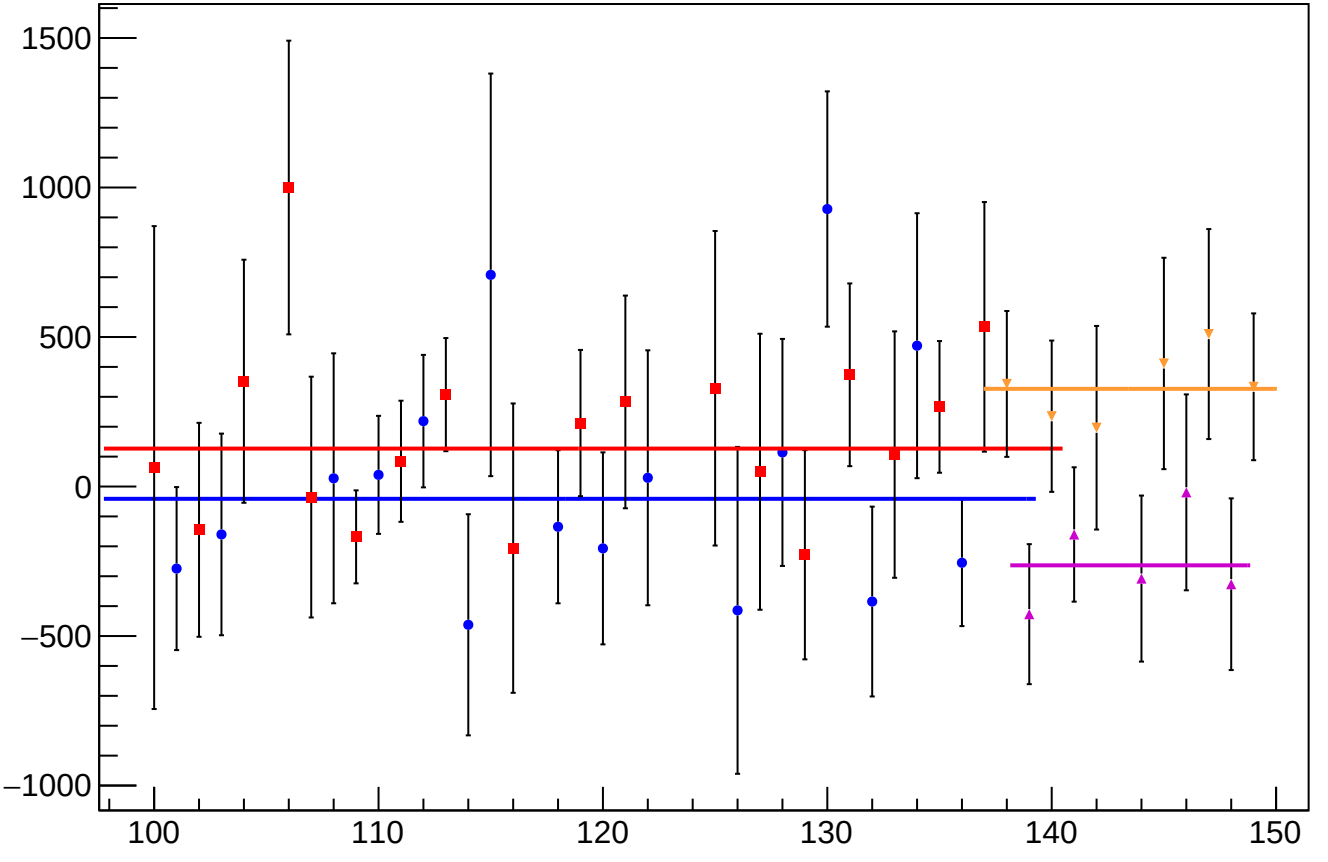
Left In: 31.634+/-0.011 χ^2/NDF:18538.4/4

+ sign 31.395+/-0.007 χ^2/NDF: 3271197.3/21

All: 31.283+/-0.005 χ^2/NDF: 6829589.6/44

- 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: 326.698+/-116.425 χ^2/NDF:0.6/5

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

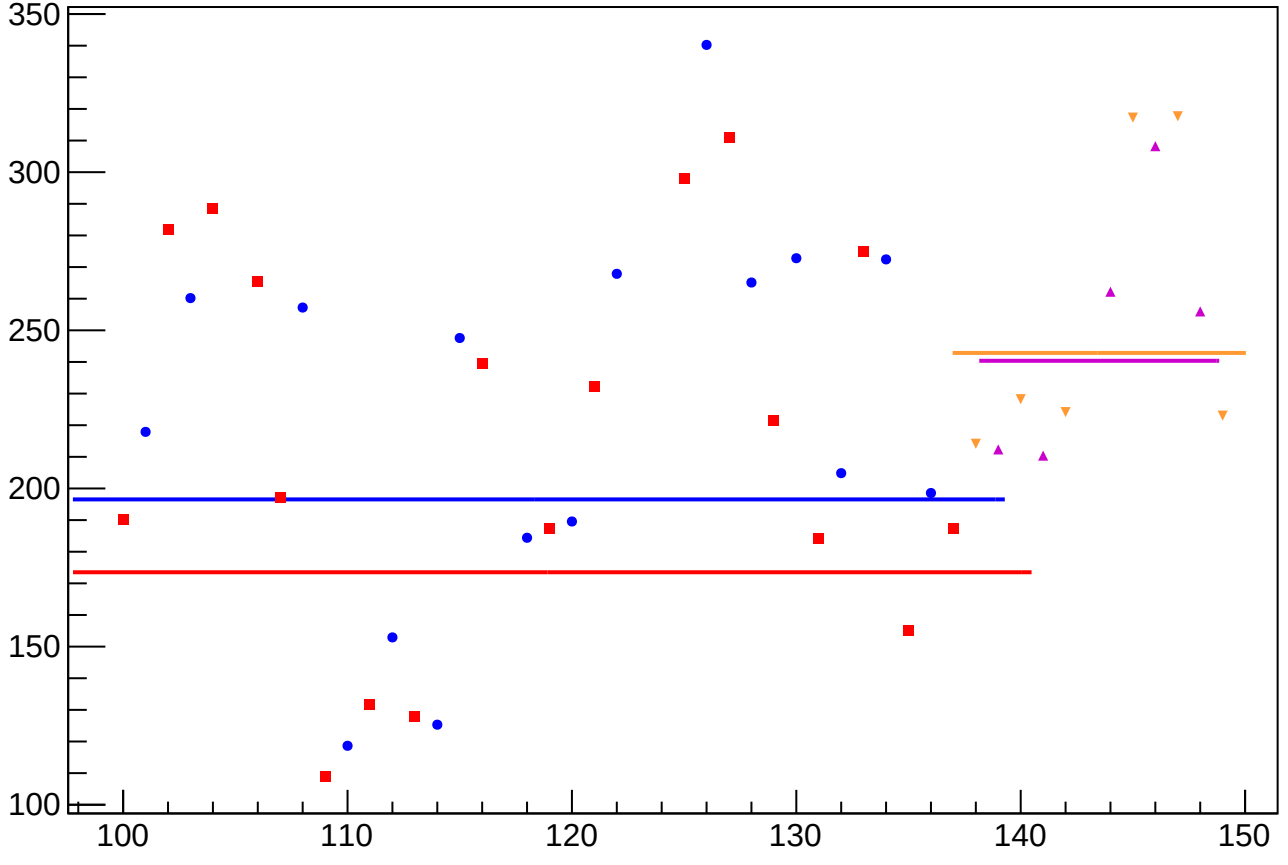
Left In: -263.580+/-117.468 χ^2/NDF:1.3/4

+ sign 71.094+/-64.305 χ^2/NDF: 23.2/21

All: 46.838+/-43.768 χ^2/NDF: 45.7/44

- 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: 242.858+/-0.082 χ^2/NDF:232930.5/5

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

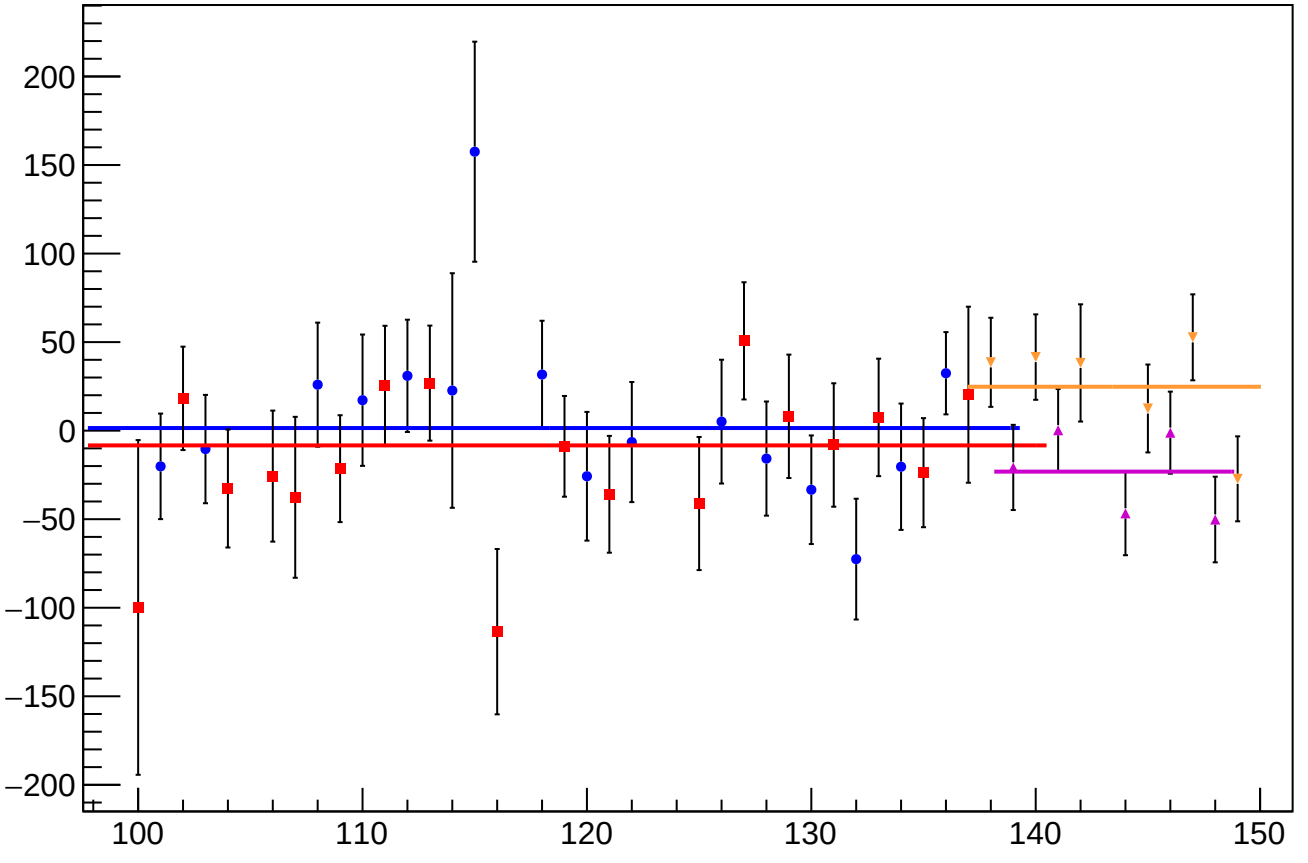
Left In: 240.371+/-0.083 χ^2/NDF:168343.8/4

+ sign 210.672+/-0.045 χ^2/NDF: 1453662.2/21

All: 200.007+/-0.031 χ^2/NDF: 3737586.6/44

- 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: 24.793+/-10.387 χ^2/NDF:7.2/5

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

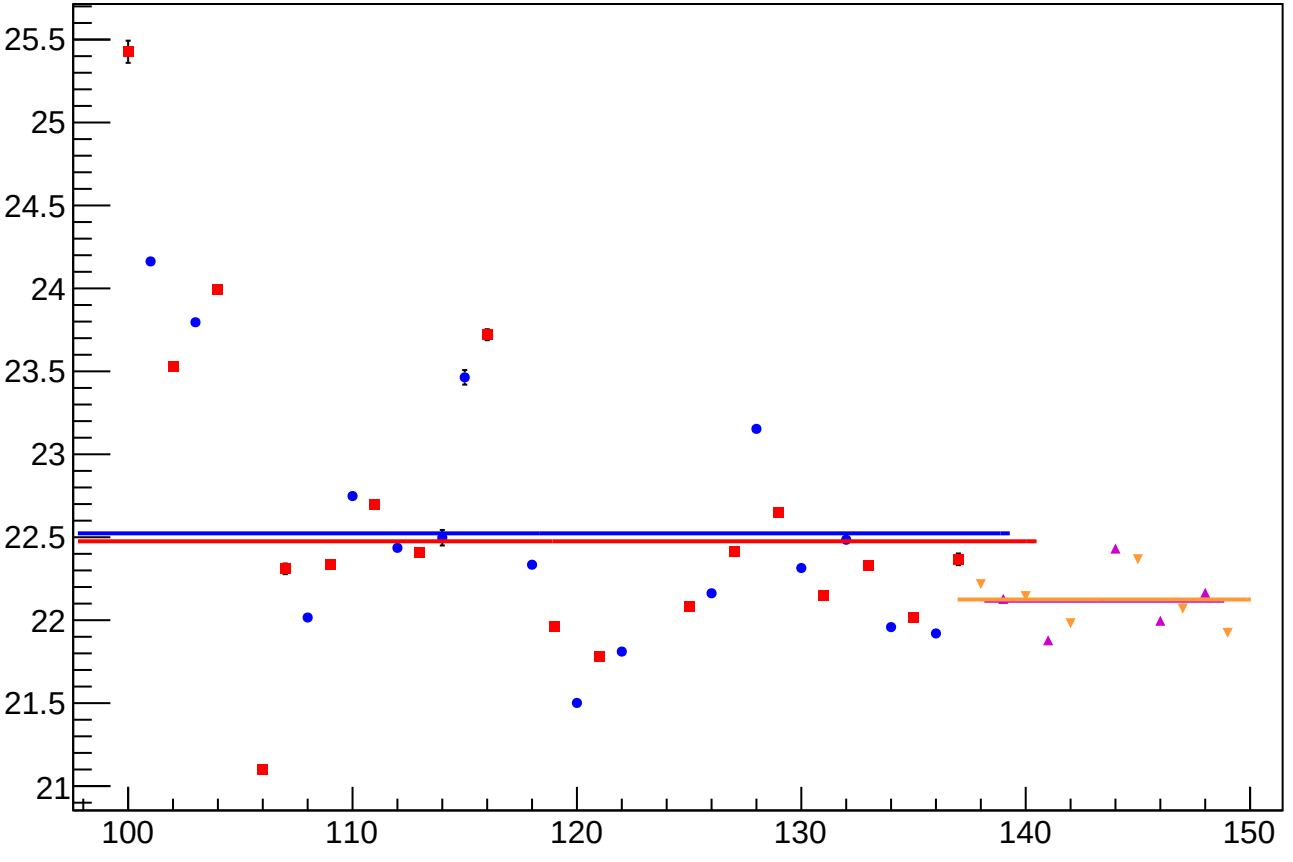
Left In: -23.144+/-10.578 χ^2/NDF:4.2/4

+ sign 10.656+/-6.517 χ^2/NDF: 28.9/21

All: -1.643+/-4.610 χ^2/NDF: 57.5/44

- 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: 22.125+/-0.007 χ^2/NDF:407.5/5

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

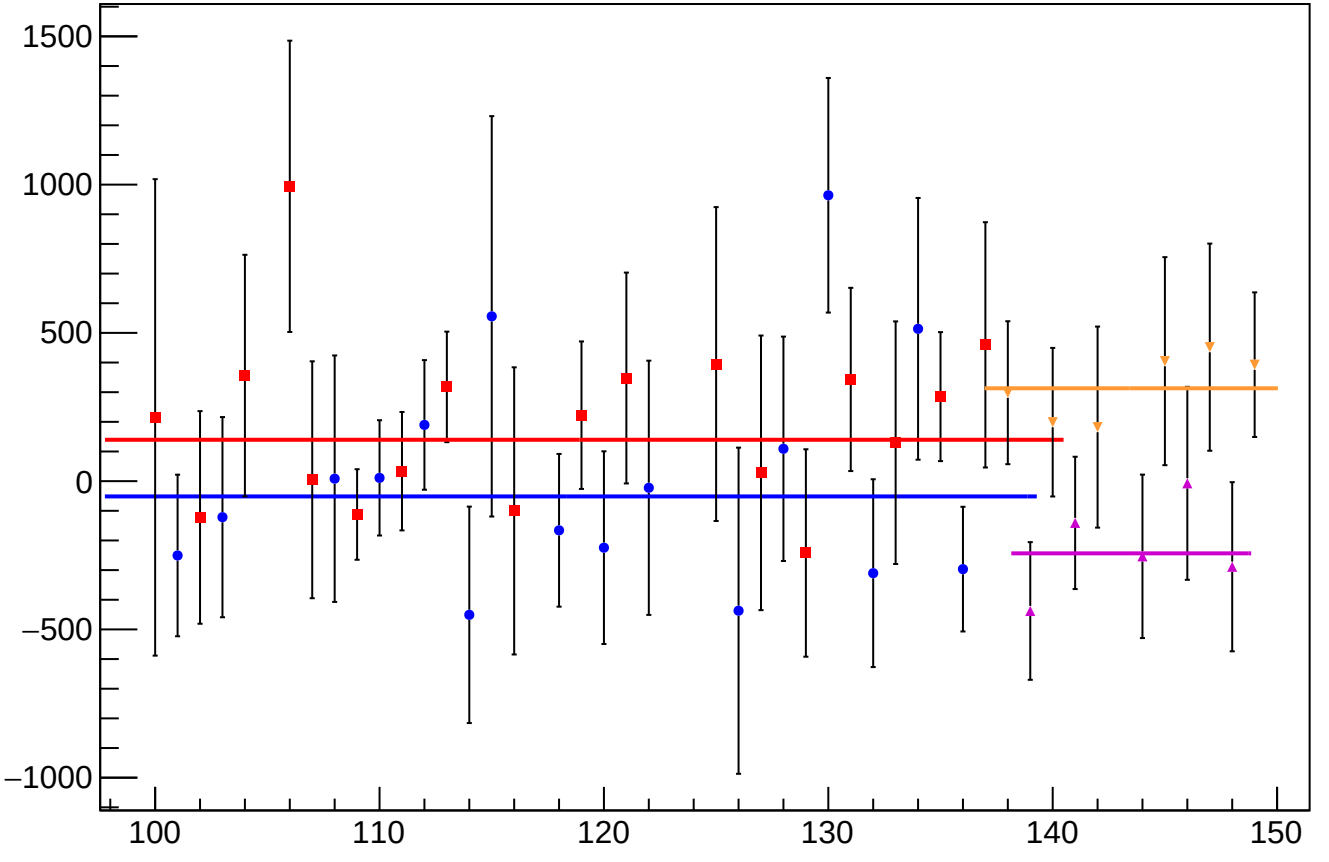
Left In: 22.117+/-0.007 χ^2/NDF:626.4/4

+ sign 22.367+/-0.005 χ^2/NDF: 18142.7/21

All: 22.353+/-0.003 χ^2/NDF: 35746.2/44

- 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: 313.183+/-115.486 χ^2/NDF:0.7/5

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

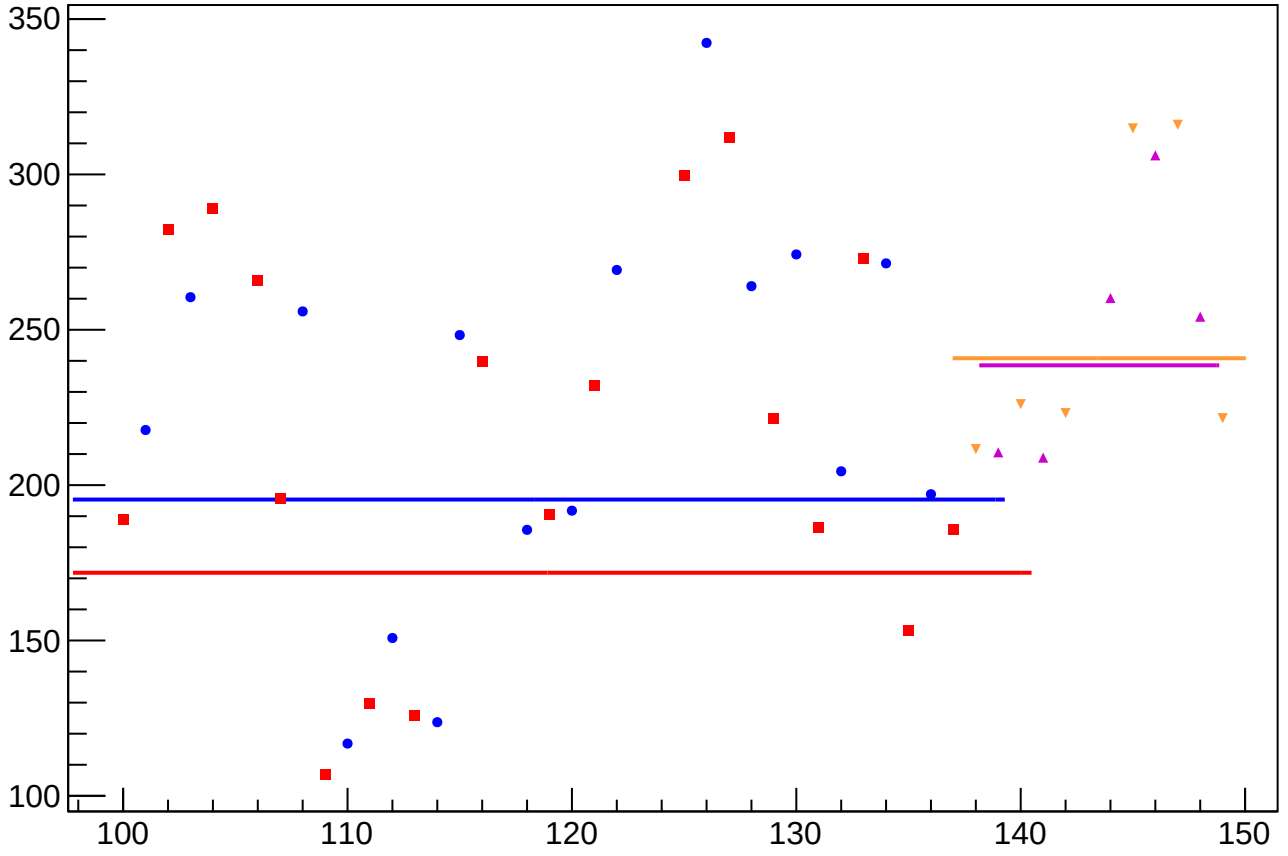
Left In: -243.494+/-116.604 χ^2/NDF:1.5/4

\+ sign 60.326+/-63.949 χ^2/NDF: 22.9/21

All: 49.637+/-43.486 χ^2/NDF: 44.0/44

\- 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: 240.837+/-0.082 χ^2/NDF:235917.0/5

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

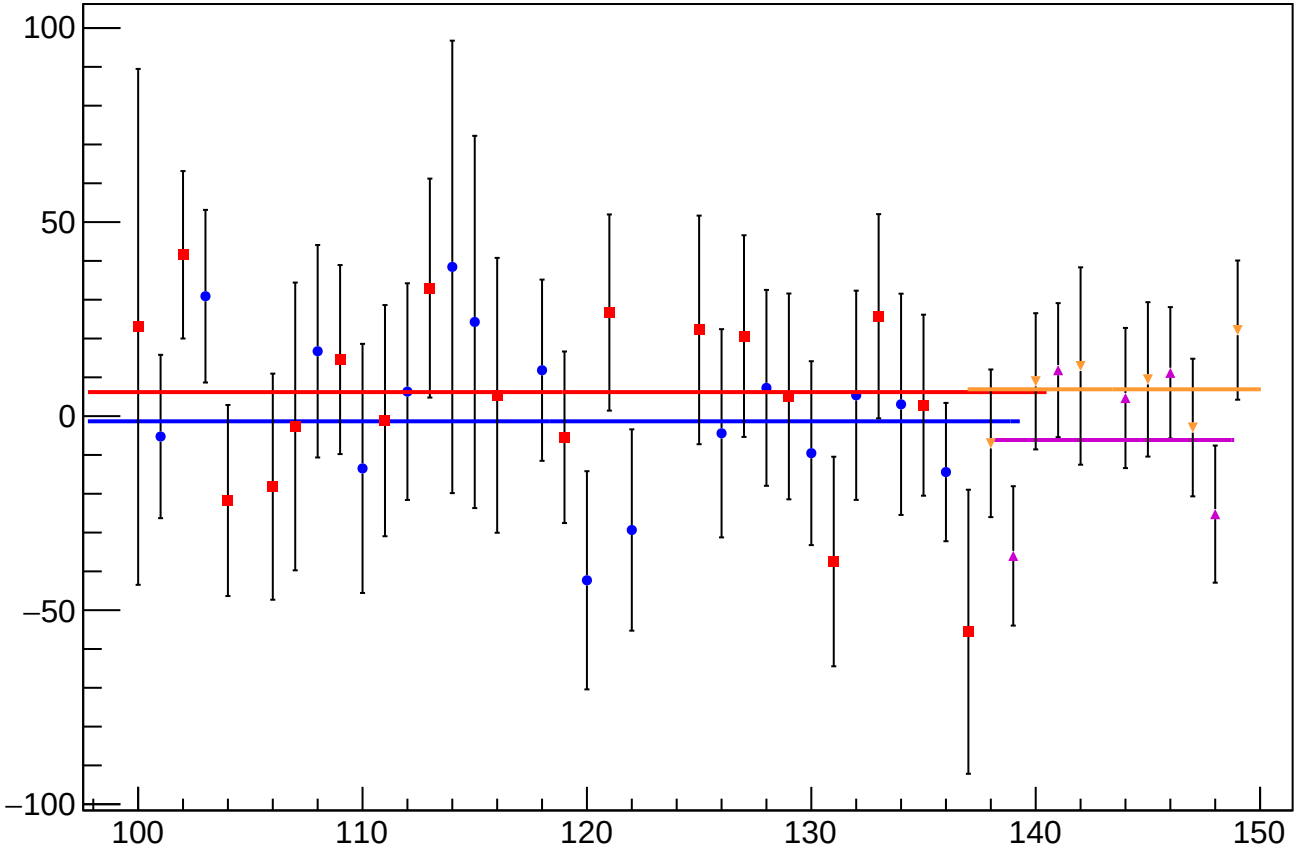
Left In: 238.555+/-0.082 χ^2/NDF:169208.8/4

+ sign 209.305+/-0.045 χ^2/NDF: 1492385.2/21

All: 198.430+/-0.031 χ^2/NDF: 3855689.3/44

- 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: 6.917+/-7.815 χ^2/NDF:1.7/5

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

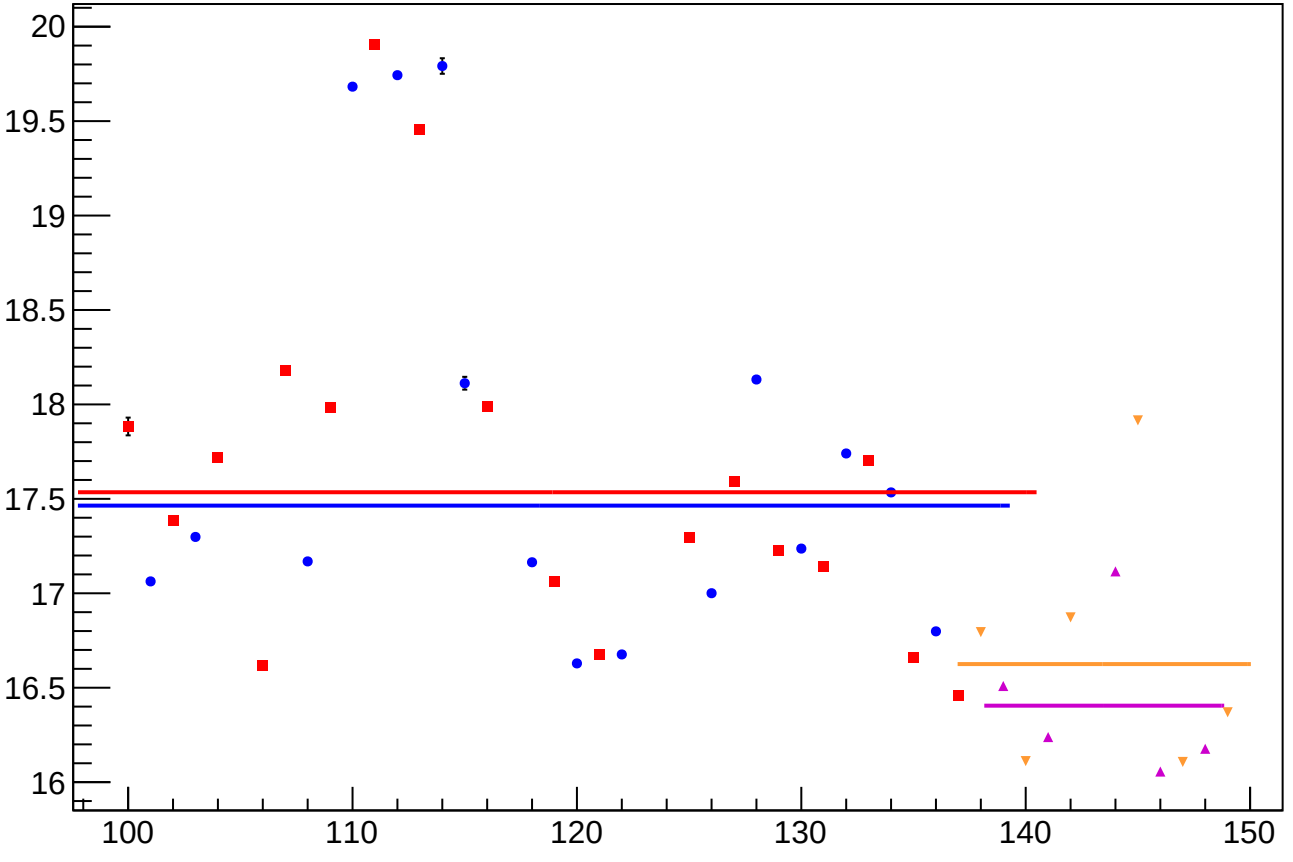
Left In: -6.150+/-7.855 χ^2/NDF:6.4/4

+ sign 2.041+/-4.997 χ^2/NDF: 10.3/21

All: 1.622+/-3.533 χ^2/NDF: 31.7/44

- 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: 16.625+/-0.006 χ^2/NDF:12587.8/5

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

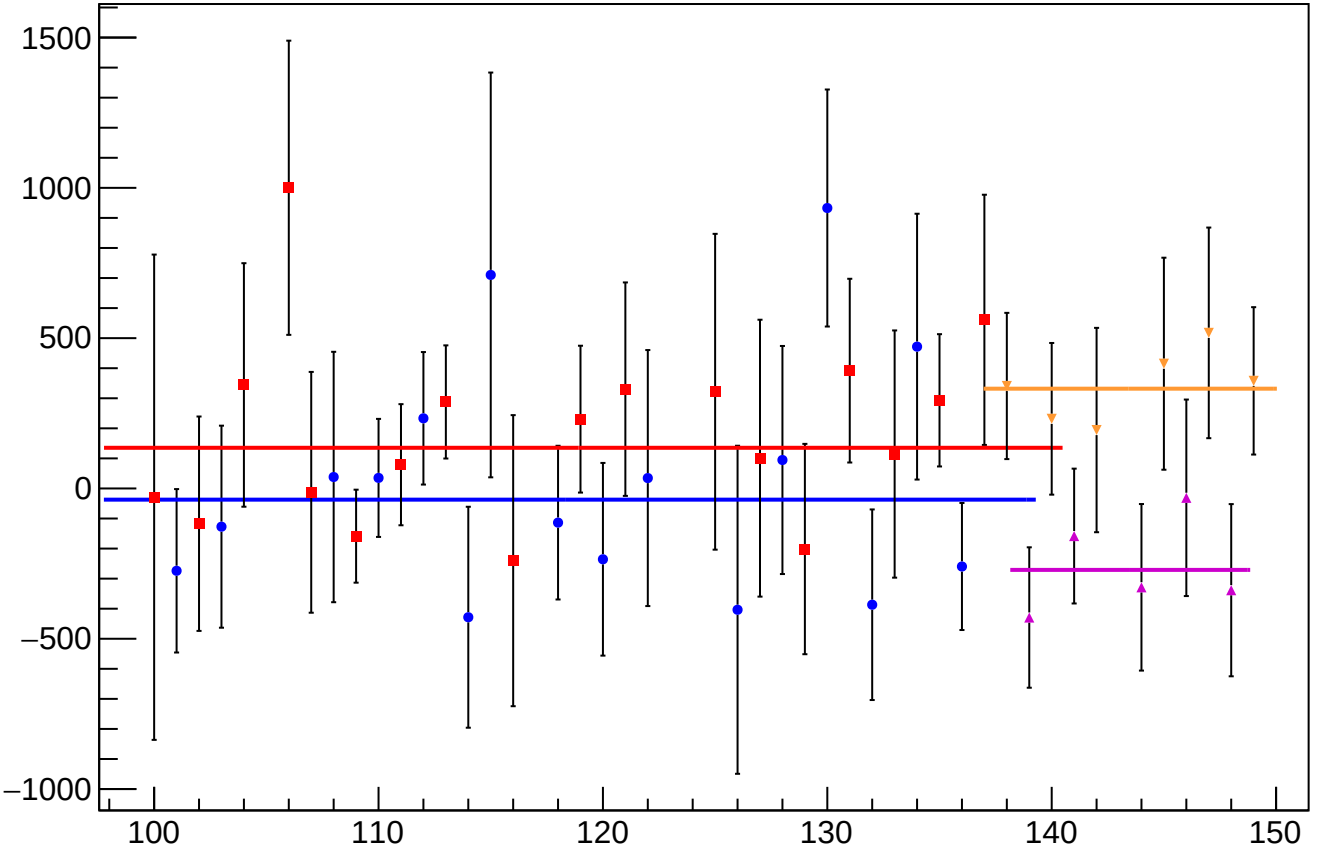
Left In: 16.405+/-0.006 χ^2/NDF:4533.6/4

\+ sign 17.121+/-0.004 χ^2/NDF: 62865.5/21

All: 17.100+/-0.002 χ^2/NDF: 126604.0/44

\- 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: 331.907+/-116.172 χ^2/NDF:0.7/5

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

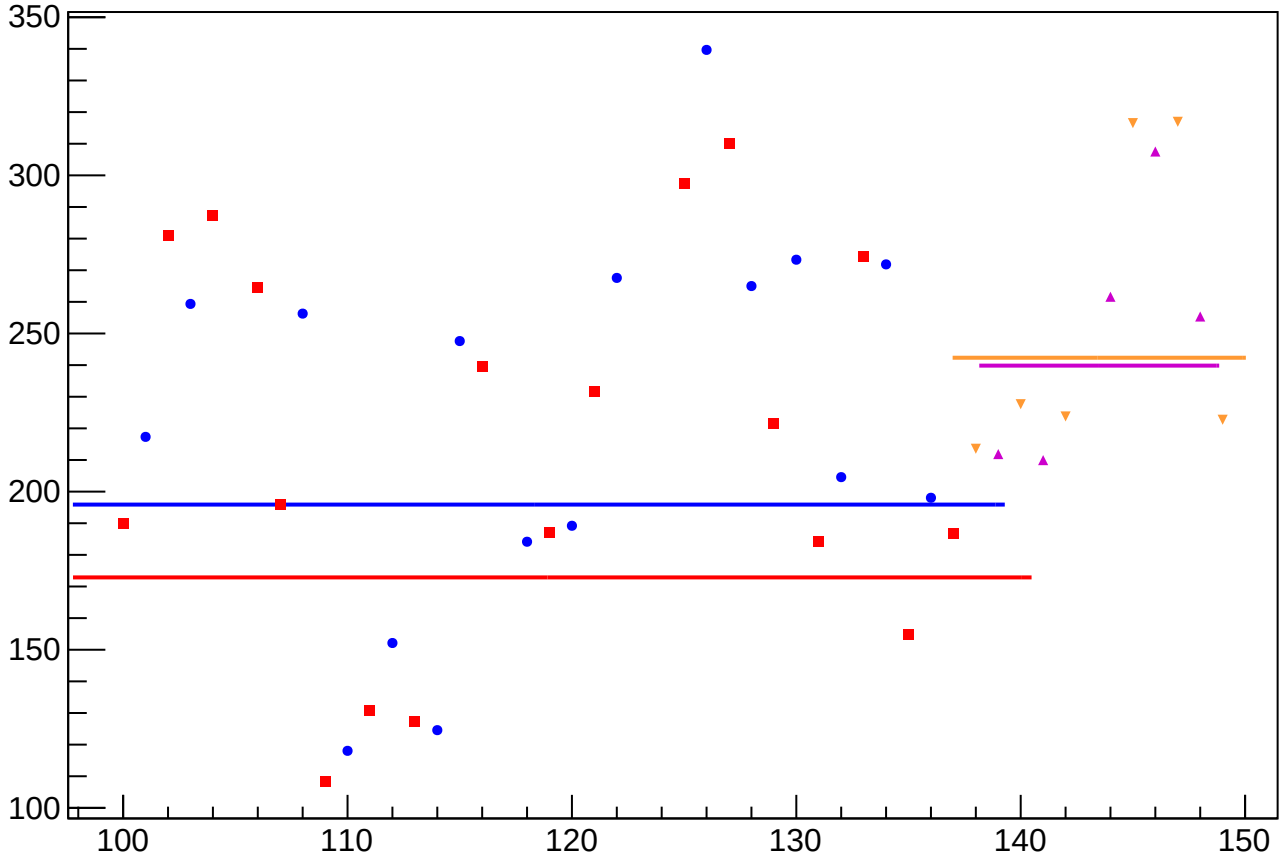
Left In: -270.929+/-117.209 χ^2/NDF:1.3/4

+ sign 75.259+/-64.133 χ^2/NDF: 23.3/21

All: 51.164+/-43.643 χ^2/NDF: 46.7/44

- 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: 242.334+/-0.082 χ^2/NDF:232732.7/5

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

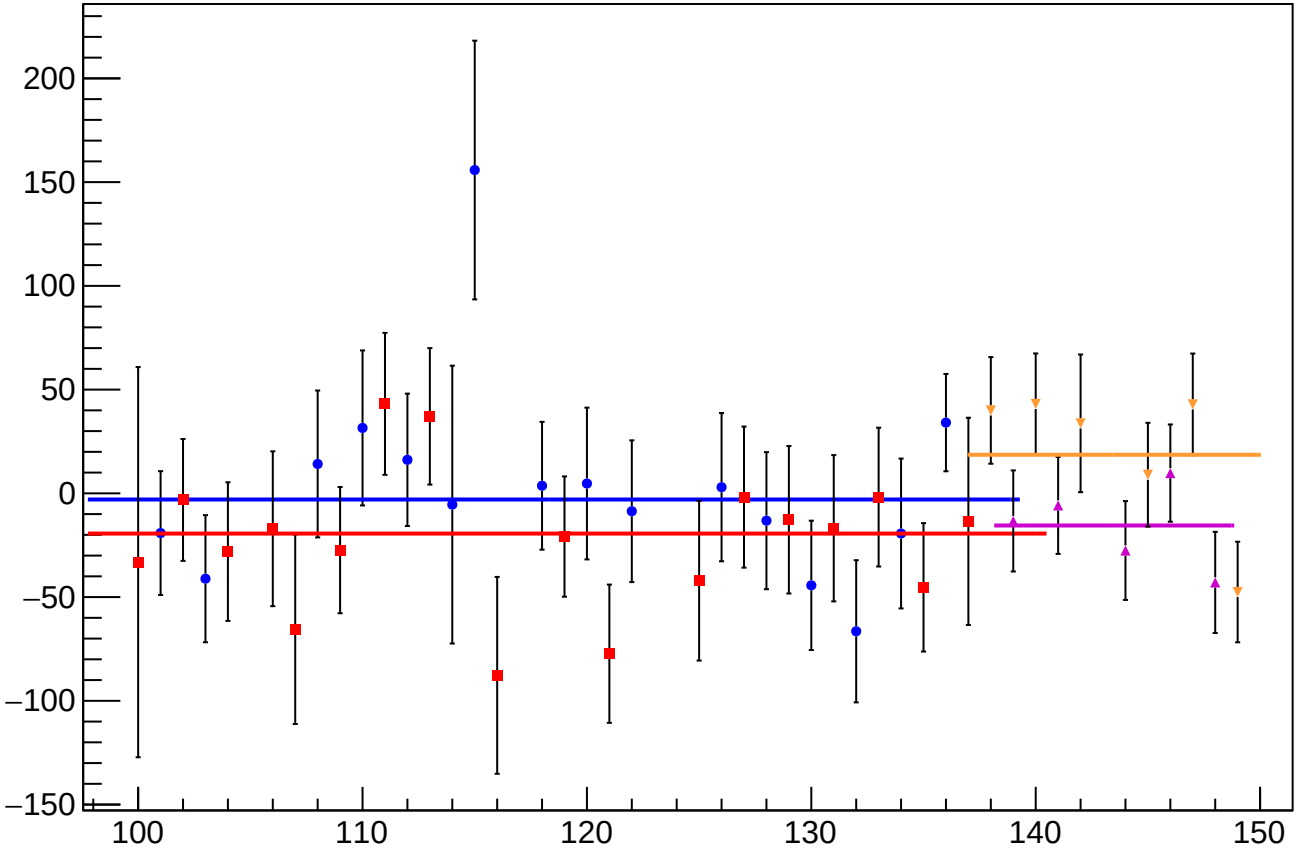
Left In: 239.839+/-0.083 χ^2/NDF:168220.0/4

+ sign 210.051+/-0.045 χ^2/NDF: 1465891.7/21

All: 199.375+/-0.031 χ^2/NDF: 3764871.5/44

- 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: 18.587+/-10.497 χ^2/NDF:10.5/5

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

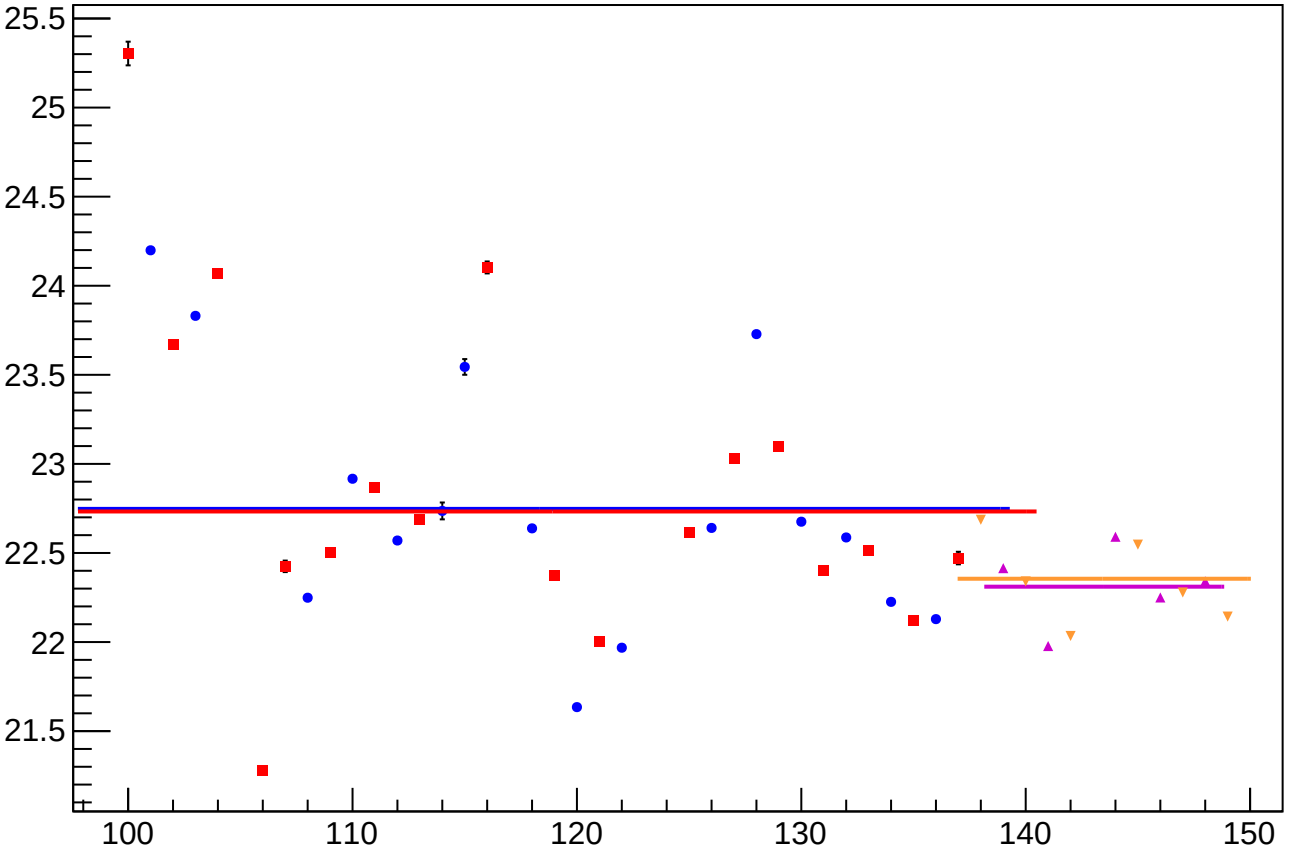
Left In: -15.499+/-10.671 χ^2/NDF:2.9/4

+ sign 5.513+/-6.584 χ^2/NDF: 31.0/21

All: -6.182+/-4.658 χ^2/NDF: 54.8/44

- 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: 22.355+/-0.007 χ^2/NDF:810.8/5

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

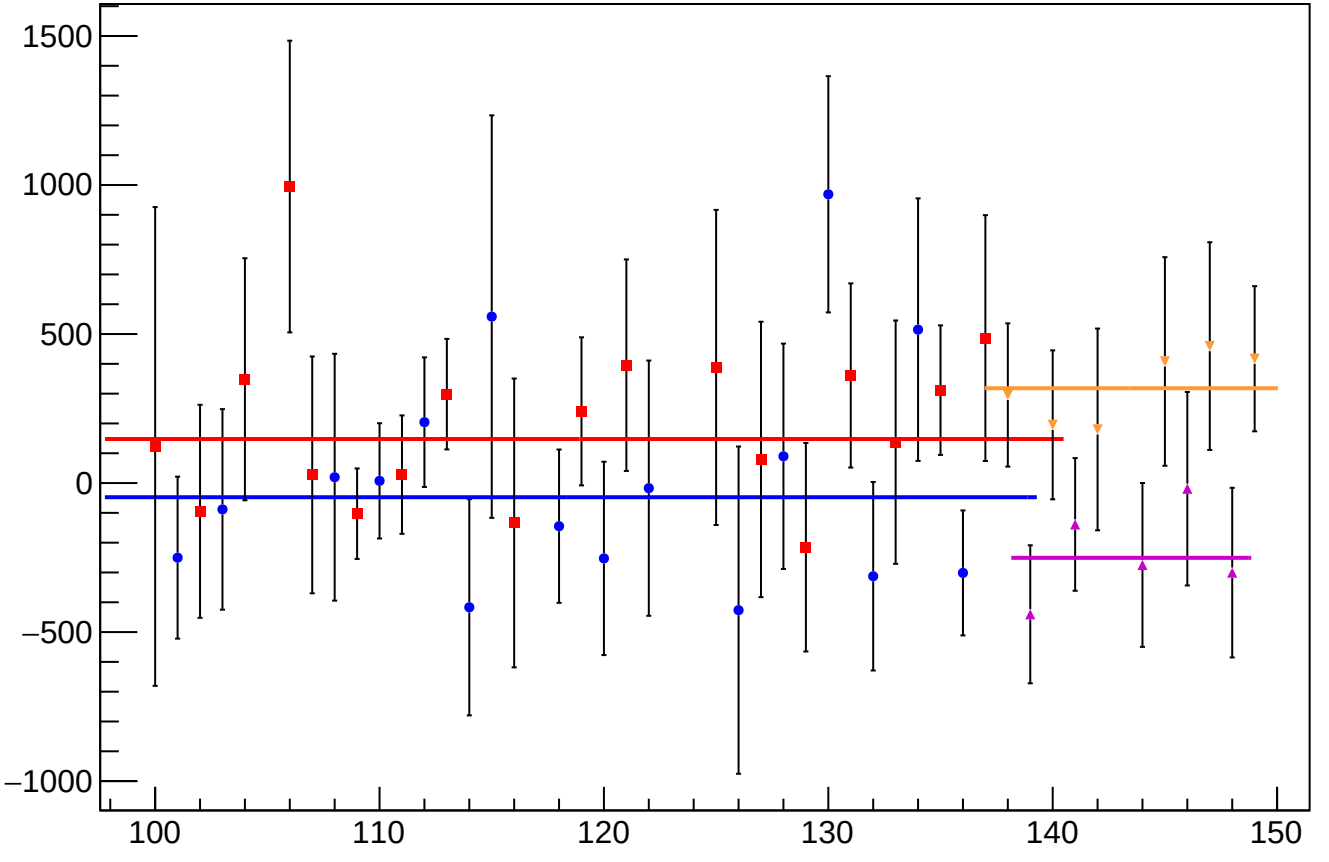
Left In: 22.311+/-0.008 χ^2/NDF:736.4/4

+ sign 22.593+/-0.005 χ^2/NDF: 17126.4/21

All: 22.583+/-0.003 χ^2/NDF: 34198.6/44

- 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: 318.176+/-115.233 χ^2/NDF:0.8/5

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

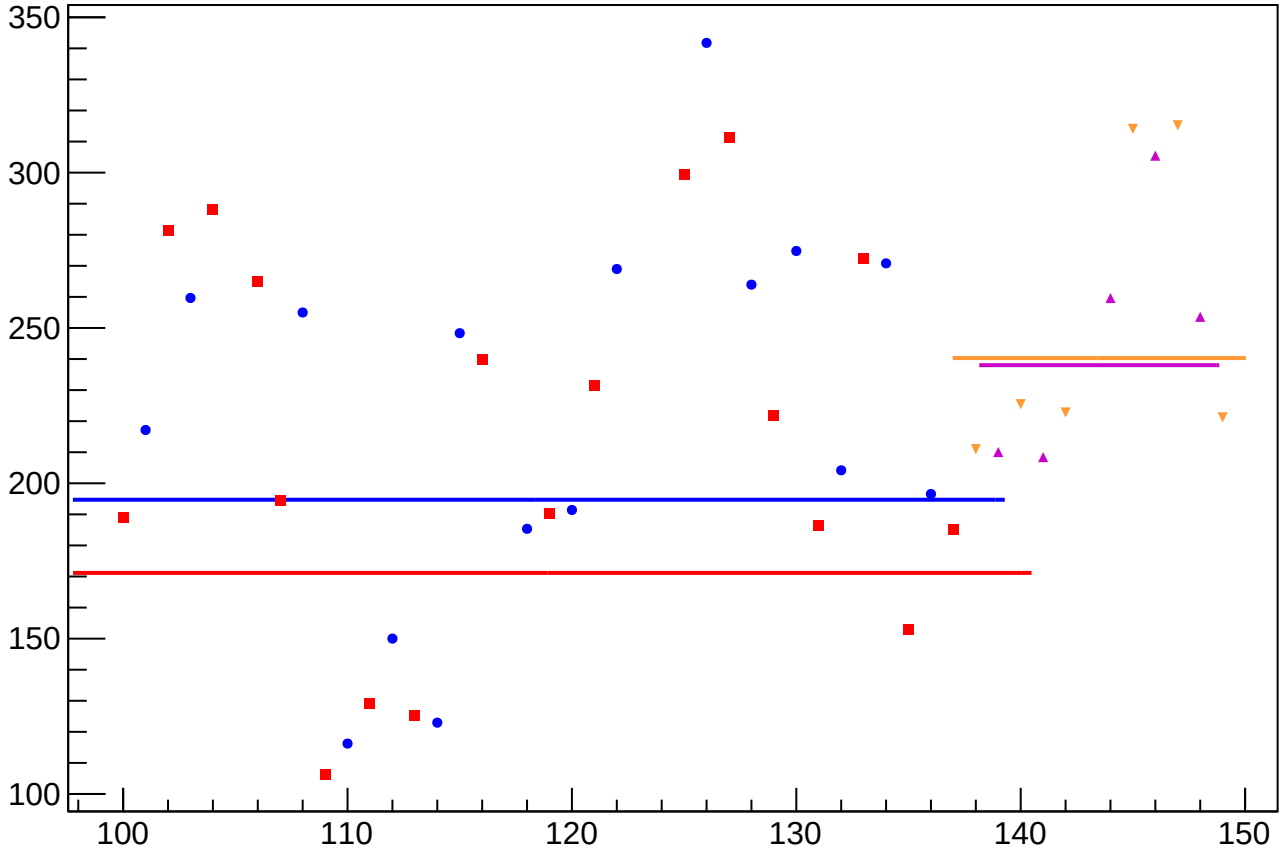
Left In: -250.863+/-116.343 χ^2/NDF:1.5/4

\+ sign 64.490+/-63.775 χ^2/NDF: 23.2/21

All: 53.918+/-43.361 χ^2/NDF: 45.0/44

\- 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: 240.312+/-0.081 χ^2/NDF:235739.5/5

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

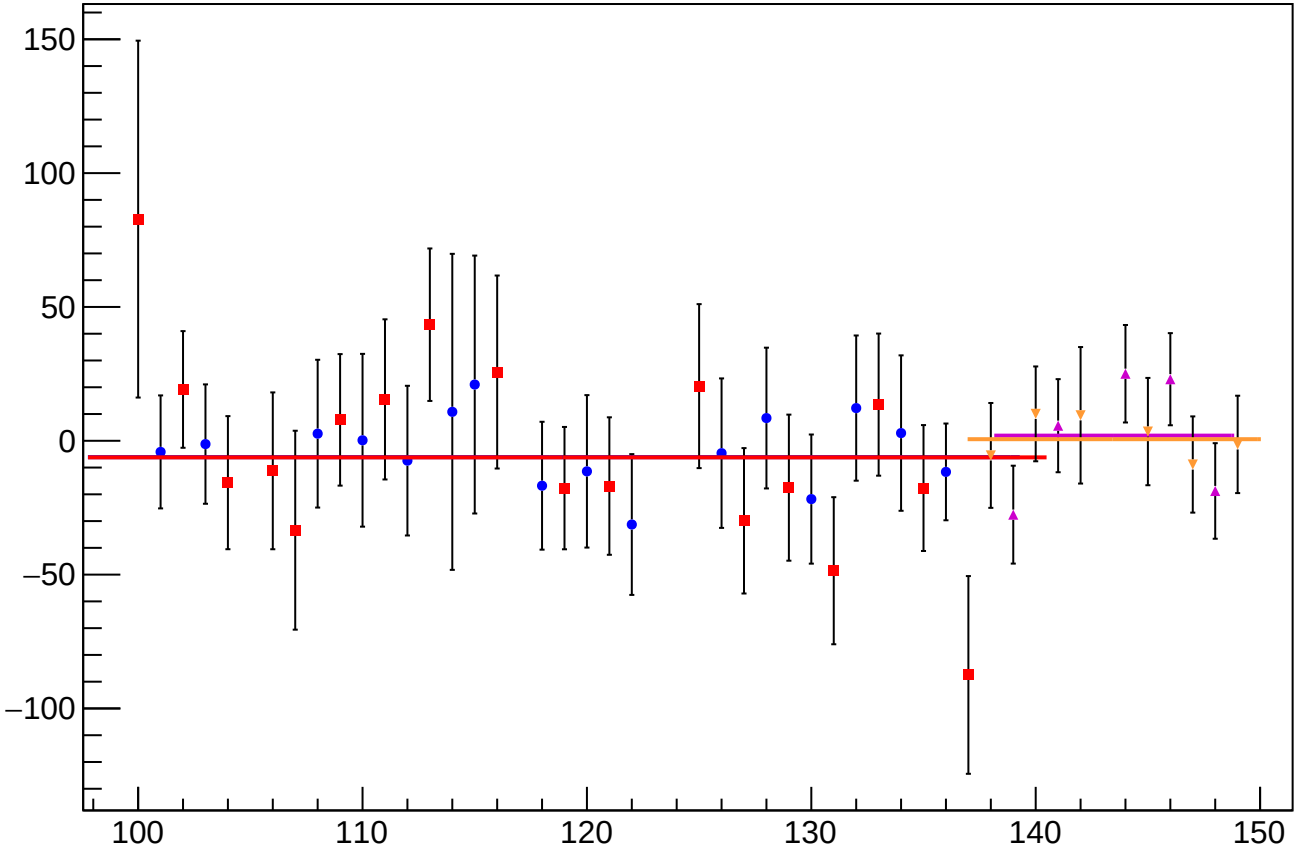
Left In: 238.021+/-0.082 χ^2/NDF:169097.2/4

+ sign 208.676+/-0.045 χ^2/NDF: 1505322.5/21

All: 197.788+/-0.031 χ^2/NDF: 3884729.0/44

- 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: 0.597+/-7.922 χ^2/NDF:0.8/5

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

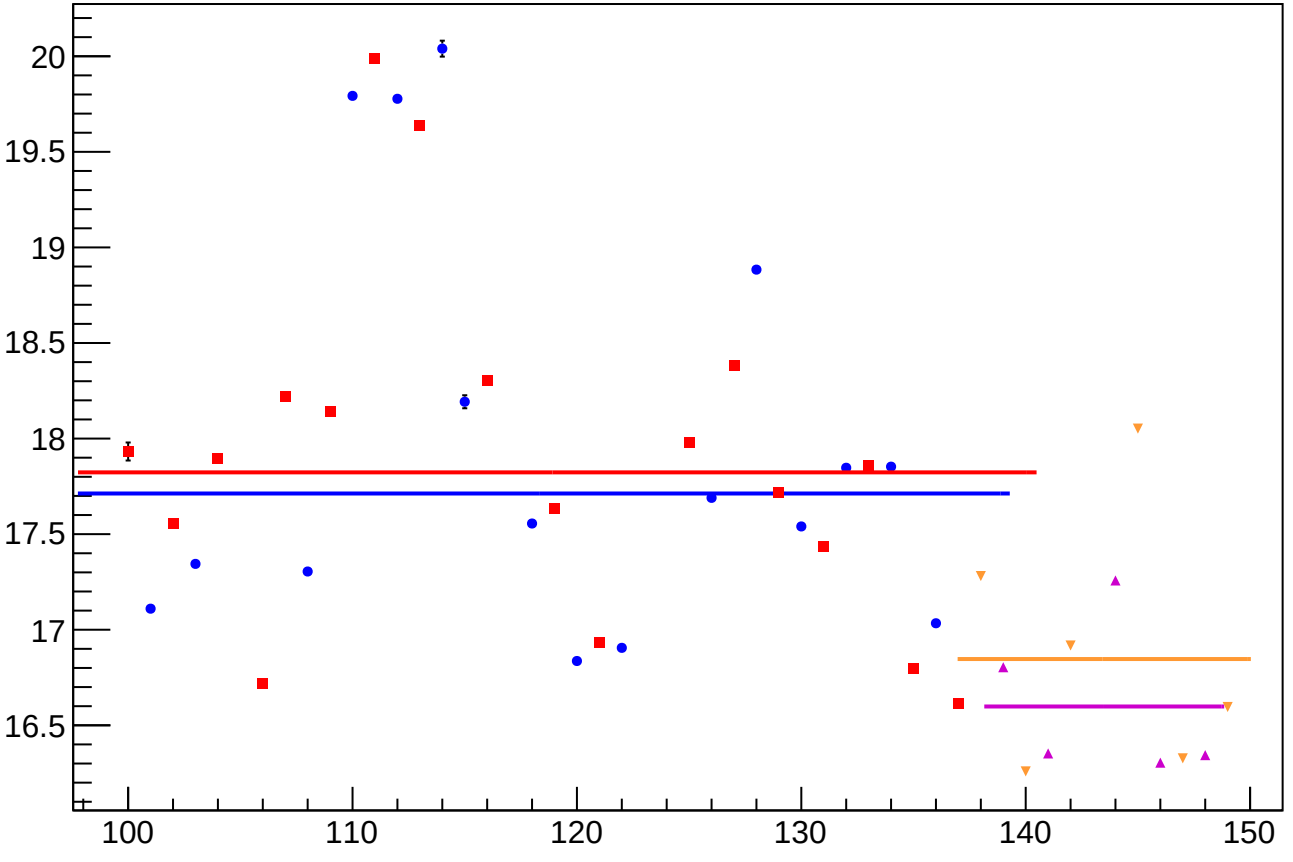
Left In: 1.928+/-7.949 χ^2/NDF:7.1/4

+ sign -3.371+/-5.067 χ^2/NDF: 4.4/21

All: -3.132+/-3.584 χ^2/NDF: 30.7/44

- 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: 16.847+/-0.006 χ^2/NDF:12481.5/5

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

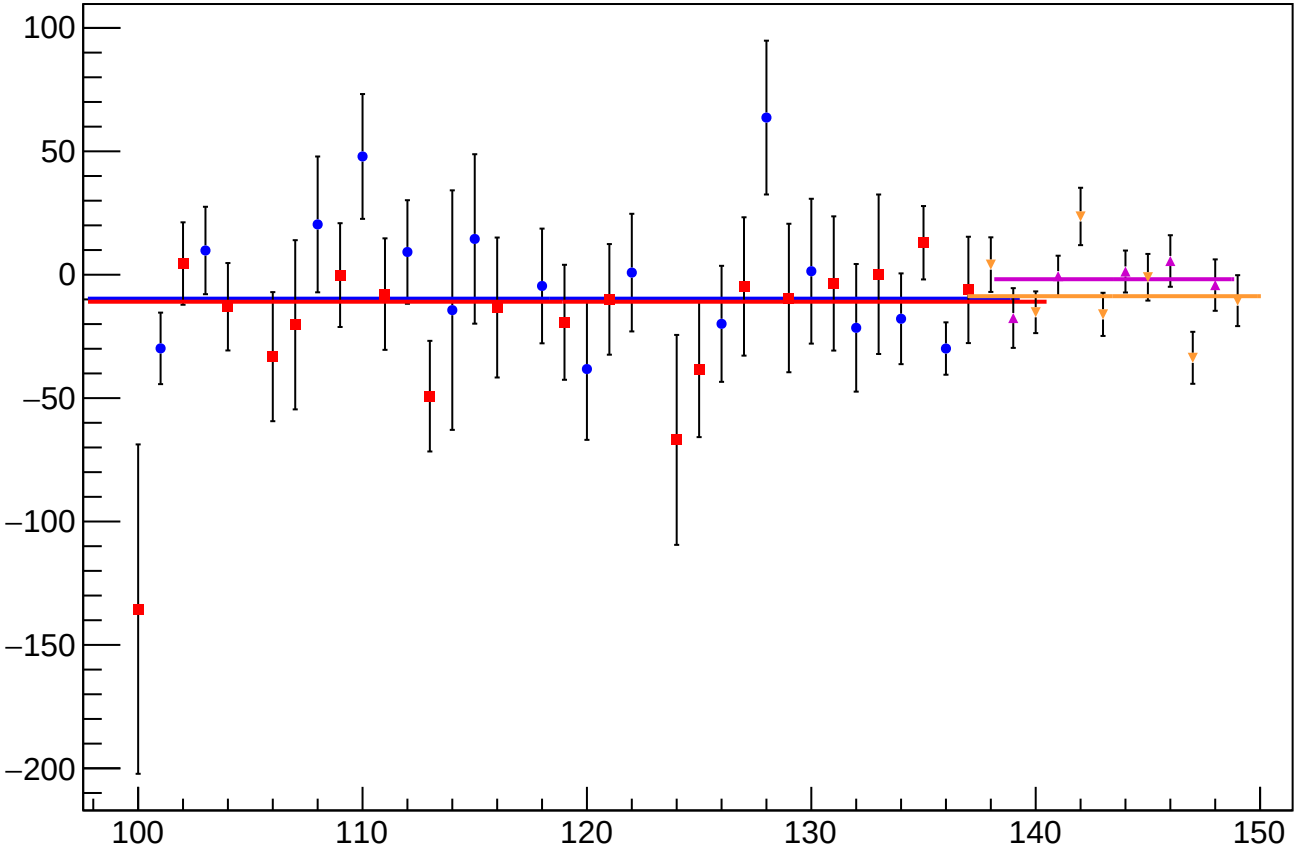
Left In: 16.598+/-0.006 χ^2/NDF:4261.5/4

+ sign 17.358+/-0.004 χ^2/NDF: 62586.9/21

All: 17.342+/-0.003 χ^2/NDF: 127566.9/44

- 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: -8.700+/-3.721 χ^2/NDF:16.7/6

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

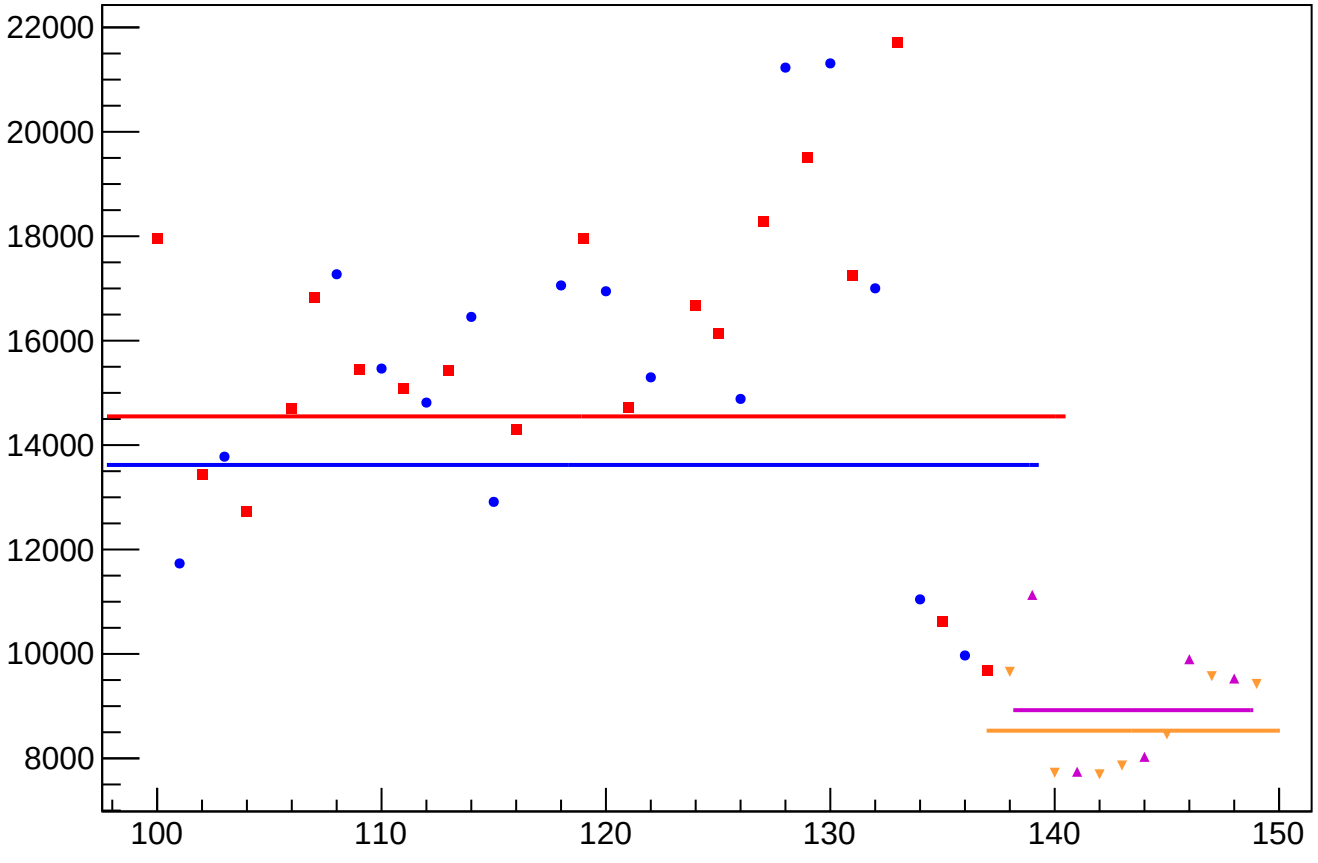
Left In: -1.821+/-4.316 χ^2/NDF:2.4/4

+ sign -9.037+/-3.032 χ^2/NDF: 38.7/22

All: -7.391+/-2.257 χ^2/NDF: 57.6/46

- 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: 8530.136+/-2.631 χ^2/NDF:95719.4/6

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

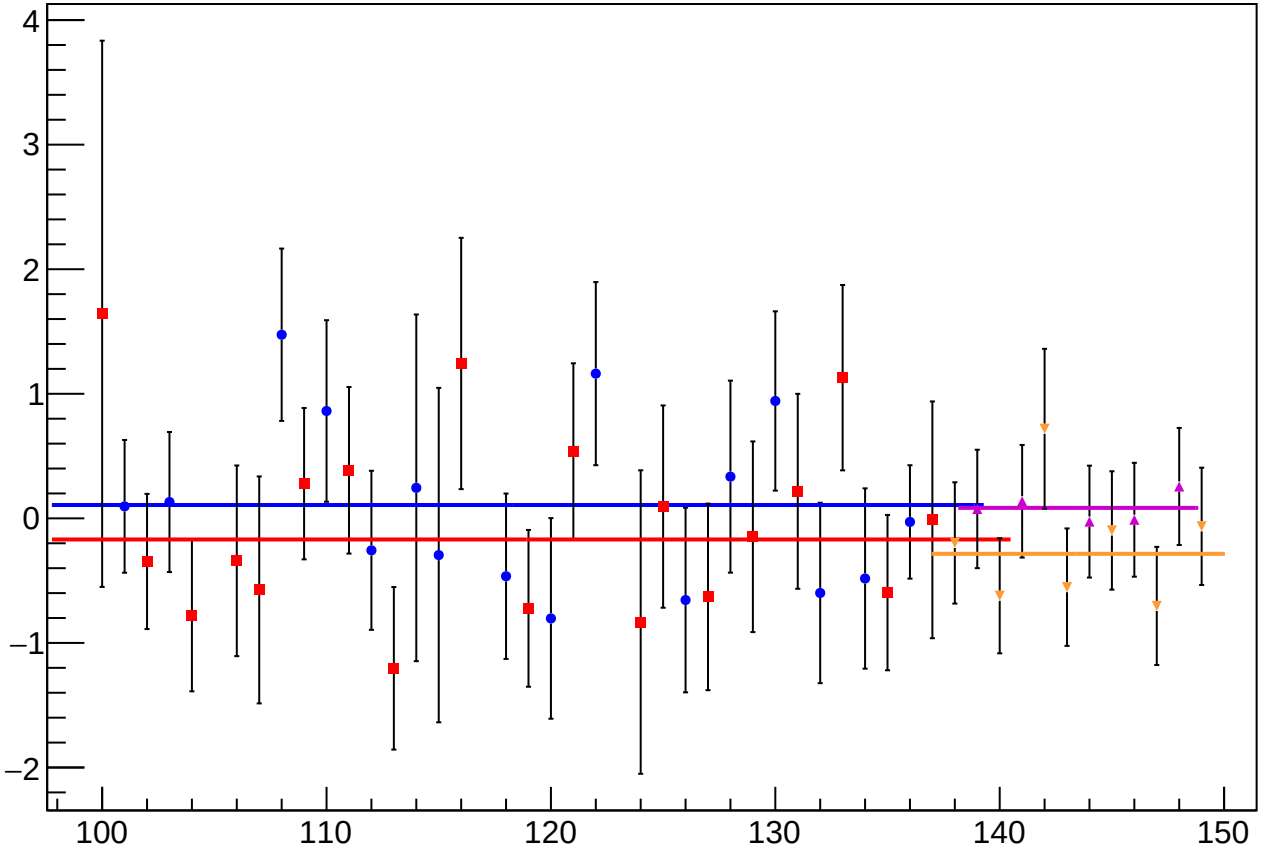
Left In: 8923.031+/-3.052 χ^2/NDF:153548.4/4

+ sign 10239.898+/-2.144 χ^2/NDF: 2099885.8/22

All: 10622.736+/-1.596 χ^2/NDF: 4195001.4/4

- 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: -0.285+/-0.185 χ^2/NDF:4.5/6

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

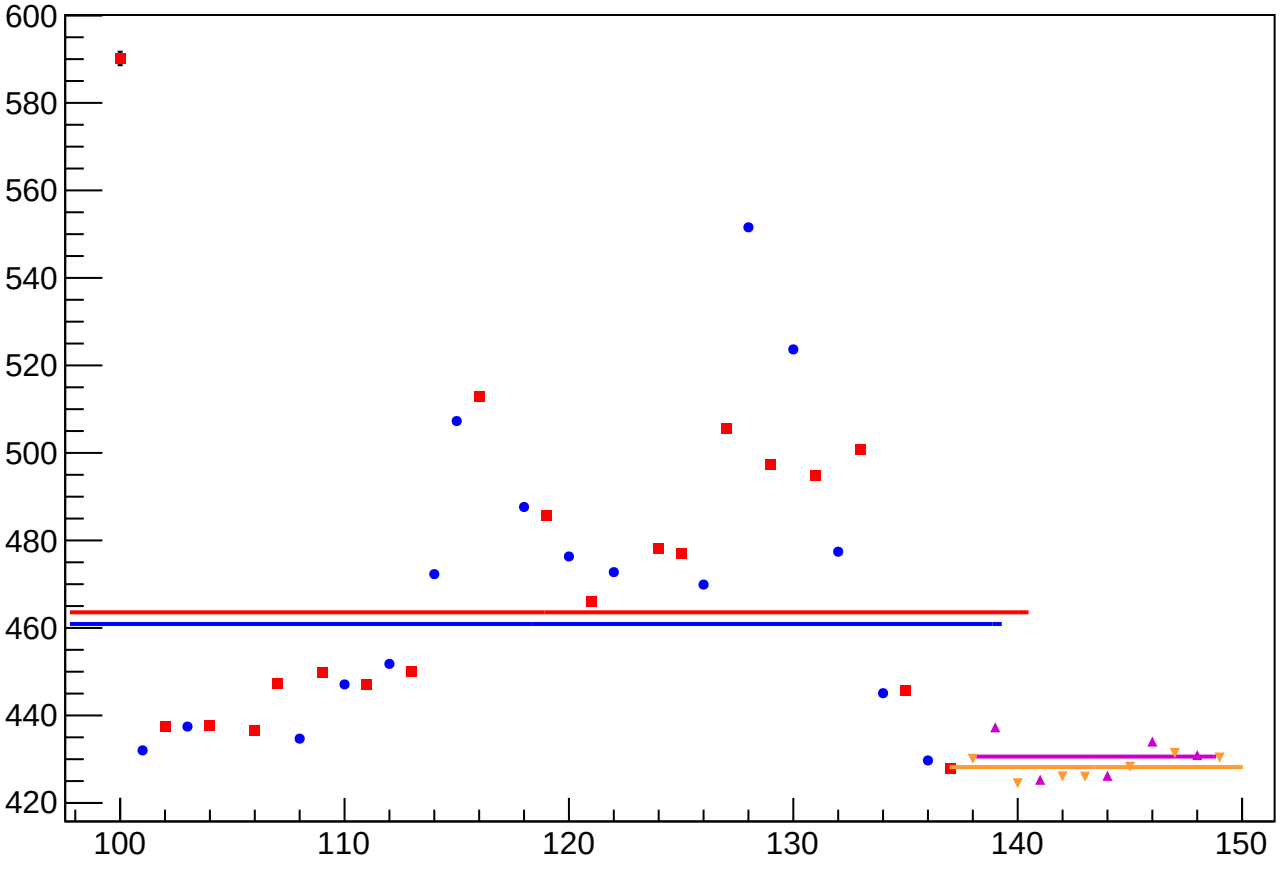
Left In: 0.084+/-0.206 χ^2/NDF:0.3/4

+ sign -0.074+/-0.126 χ^2/NDF: 20.6/22

All: -0.071+/-0.091 χ^2/NDF: 35.8/46

- 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: 428.195+/-0.131 χ^2/NDF:360.3/6

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

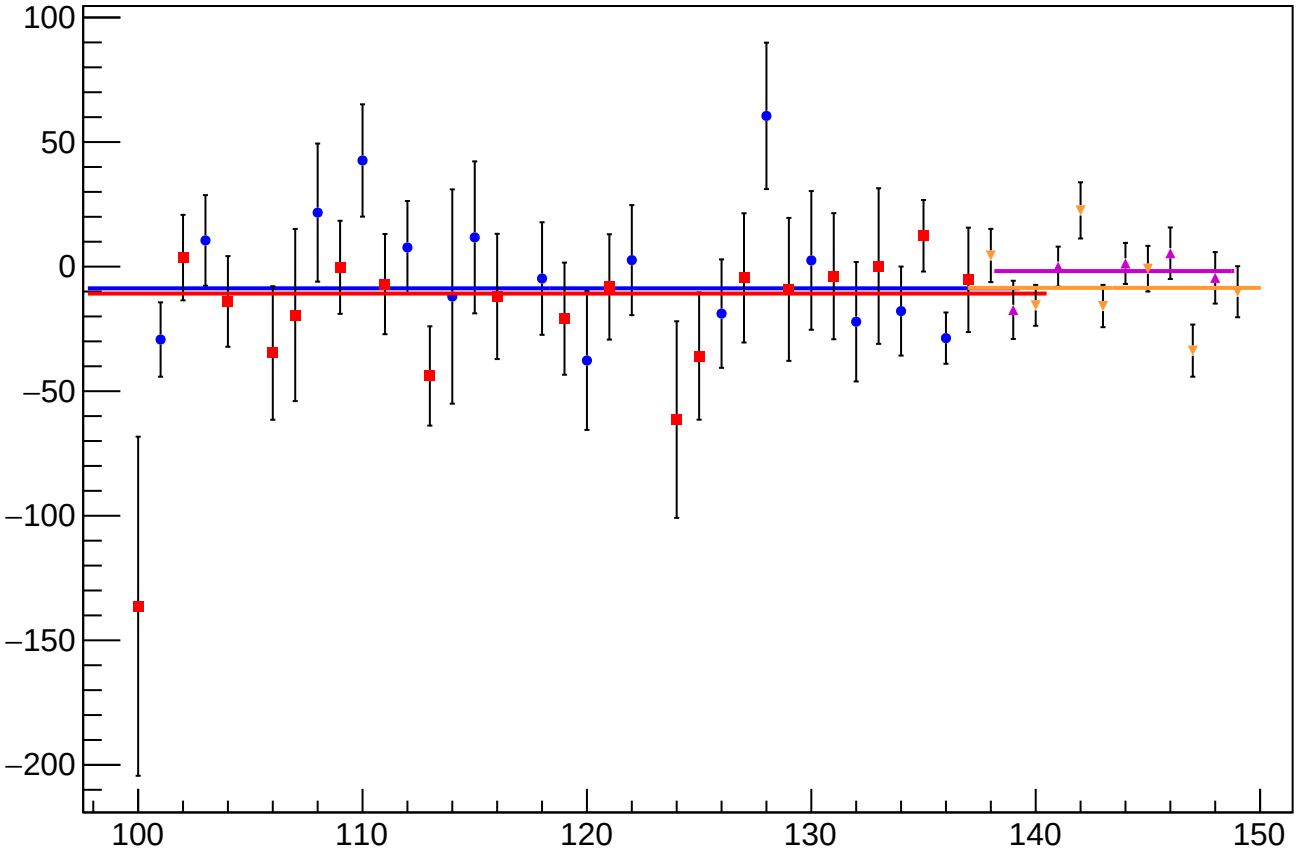
Left In: 430.602+/-0.146 χ^2/NDF:976.0/4

+ sign 445.769+/-0.089 χ^2/NDF: 108879.0/22

All: 447.927+/-0.064 χ^2/NDF: 193836.2/46

- sign 450.259+/-0.093 χ^2/NDF: 83734.1/23

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -8.534+/-3.629 χ^2/NDF:17.1/6

Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

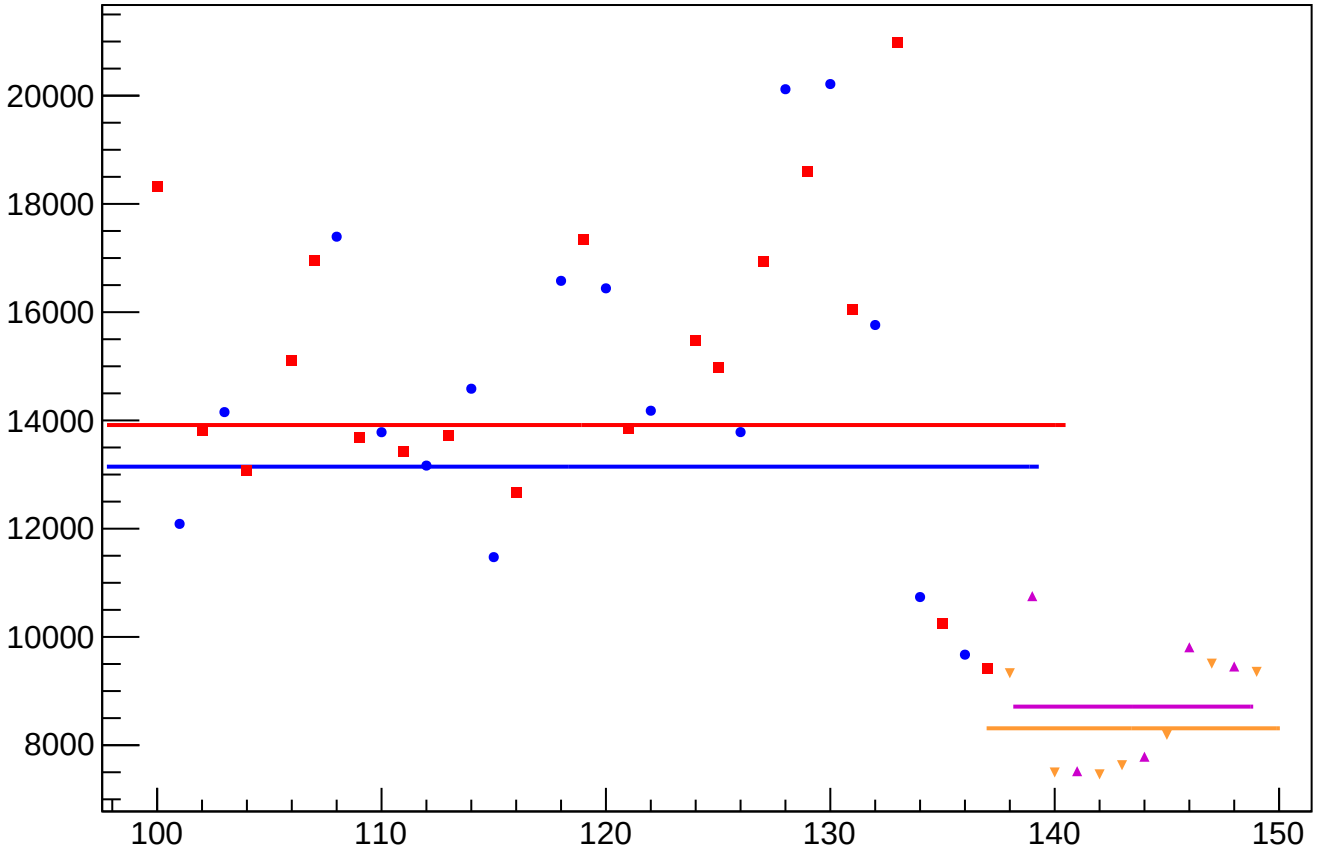
Left In: -1.781+/-4.217 χ^2/NDF:2.5/4

+ sign -8.594+/-2.944 χ^2/NDF: 39.4/22

All: -7.151+/-2.189 χ^2/NDF: 58.1/46

- sign -5.368+/-3.273 χ^2/NDF: 18.2/23

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8311.983+/-2.566 χ^2/NDF:109399.7/6

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

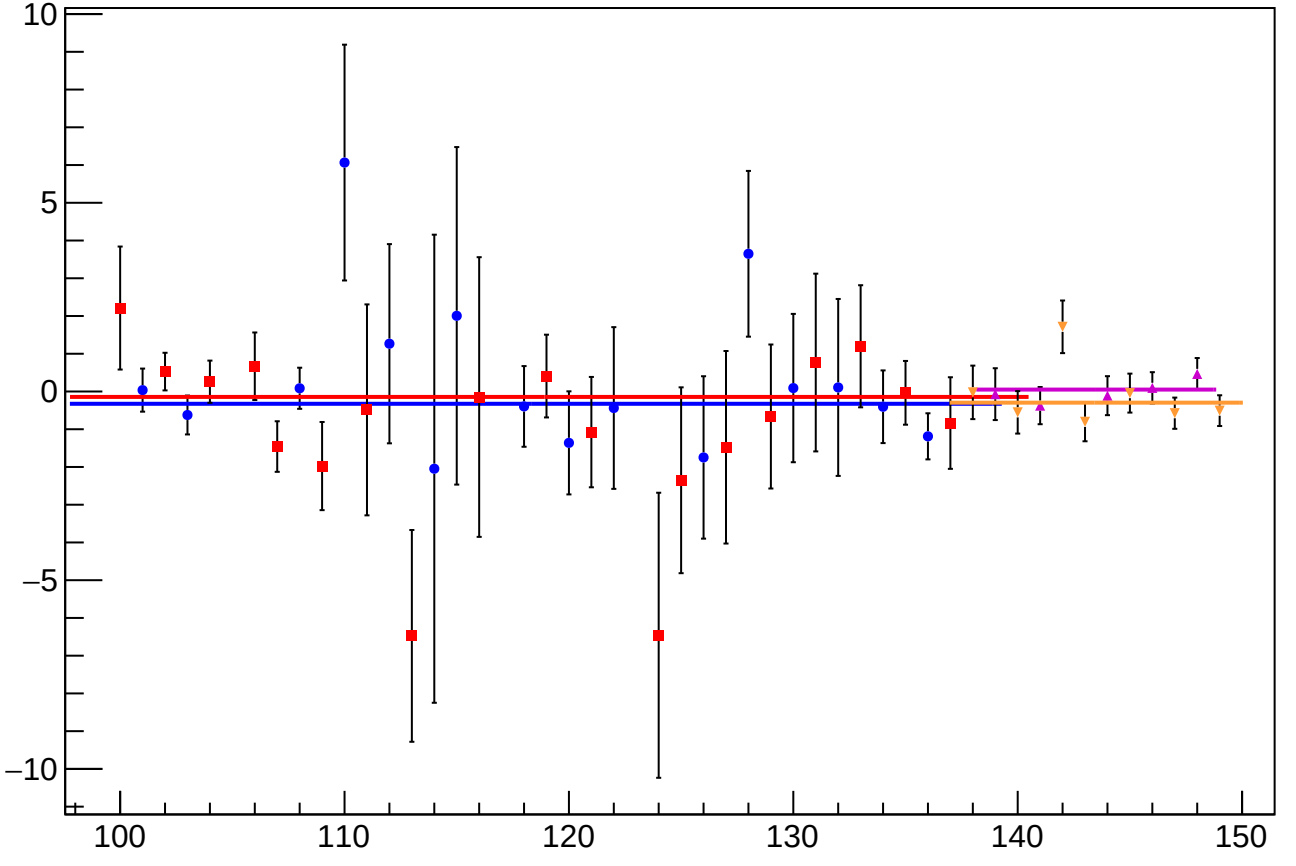
Left In: 8712.650+/-2.982 χ^2/NDF:163002.9/4

+ sign 9963.983+/-2.082 χ^2/NDF: 2005072.1/22

All: 10329.077+/-1.548 χ^2/NDF: 3957813.9/4

- sign 10780.381+/-2.314 χ^2/NDF: 1883957.0/23

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.296+/-0.194 χ^2/NDF:10.6/6

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

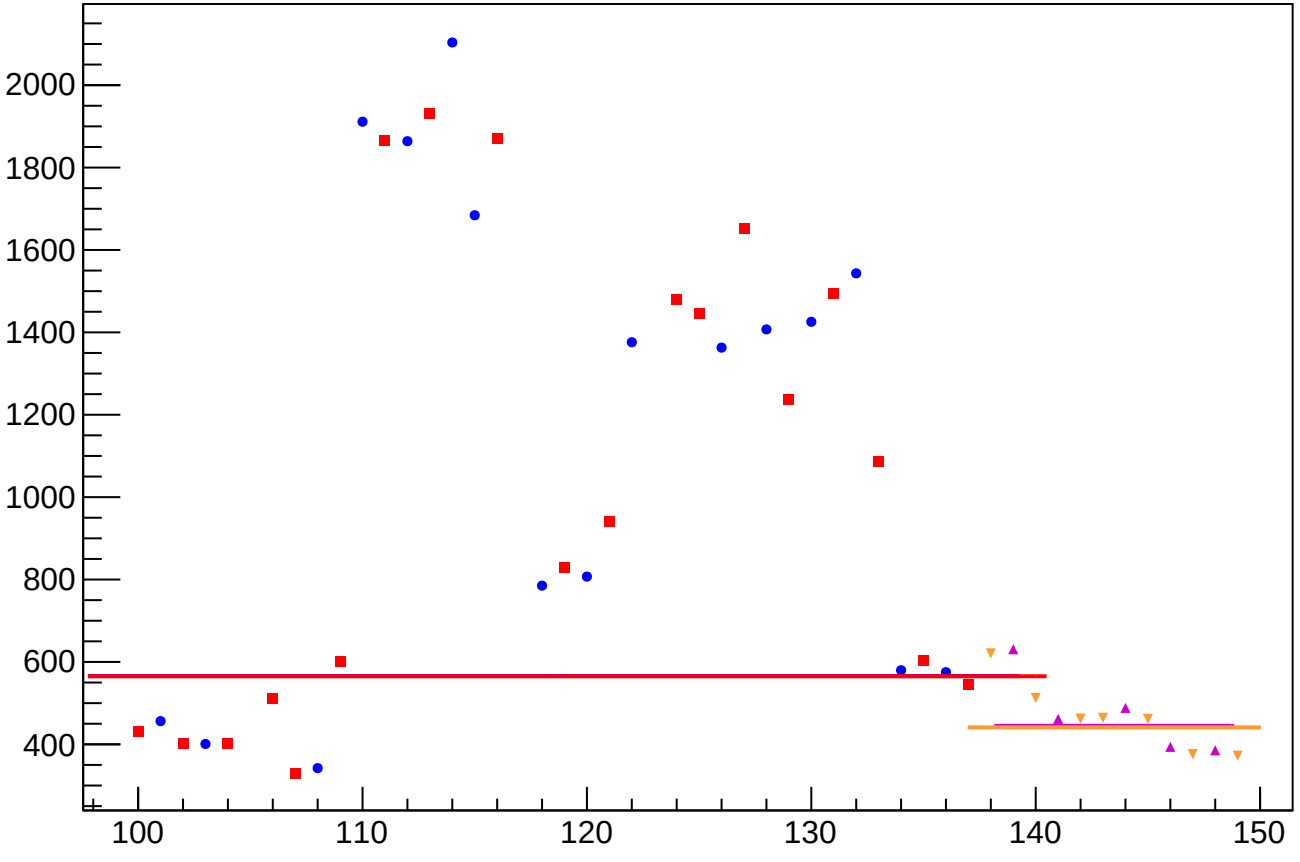
Left In: 0.050+/-0.216 χ^2/NDF:1.9/4

+ sign -0.308+/-0.152 χ^2/NDF: 23.2/22

All: -0.180+/-0.111 χ^2/NDF: 49.4/46

- 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: 441.120+/-0.137 χ^2/NDF:276006.5/6

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

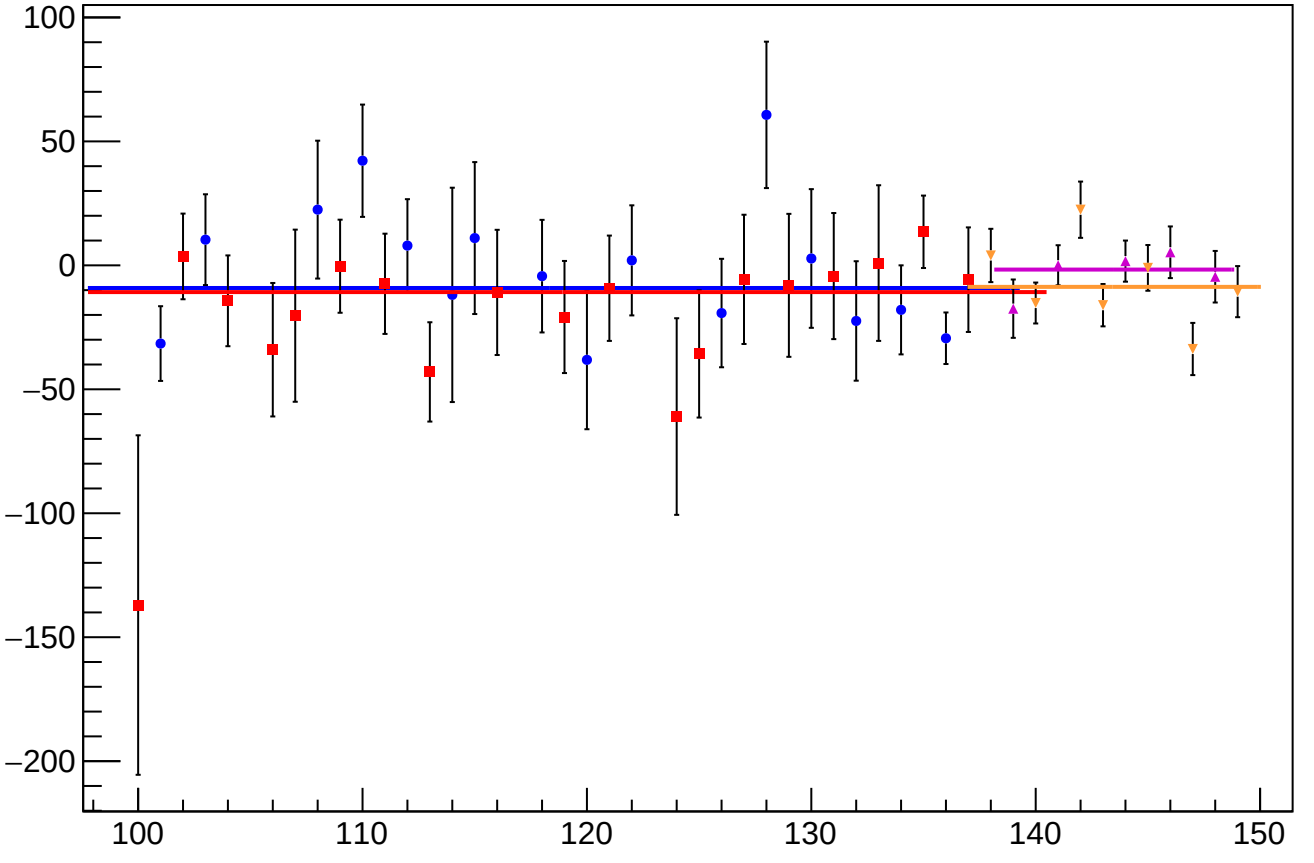
Left In: 444.807+/-0.153 χ^2/NDF:233221.4/4

+ sign 489.247+/-0.107 χ^2/NDF: 4045030.5/22

All: 493.167+/-0.078 χ^2/NDF: 8125358.7/46

- 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: -8.681+/-3.652 χ^2/NDF:16.7/6

Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

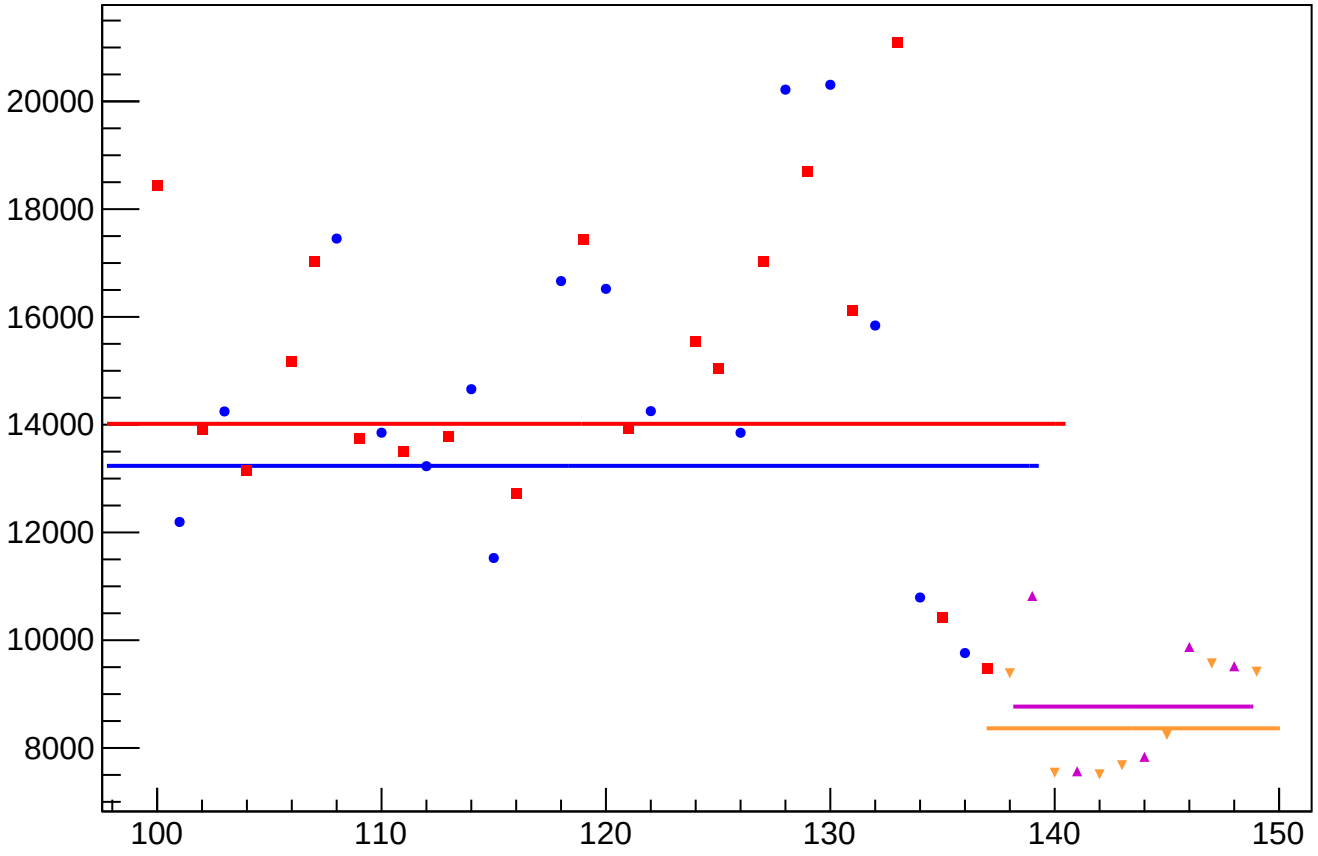
Left In: -1.705+/-4.244 χ^2/NDF:2.5/4

+ sign -8.835+/-2.963 χ^2/NDF: 39.4/22

All: -7.260+/-2.203 χ^2/NDF: 58.1/46

- sign -5.313+/-3.295 χ^2/NDF: 18.1/23

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8364.804+/-2.582 χ^2/NDF:109538.6/6

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

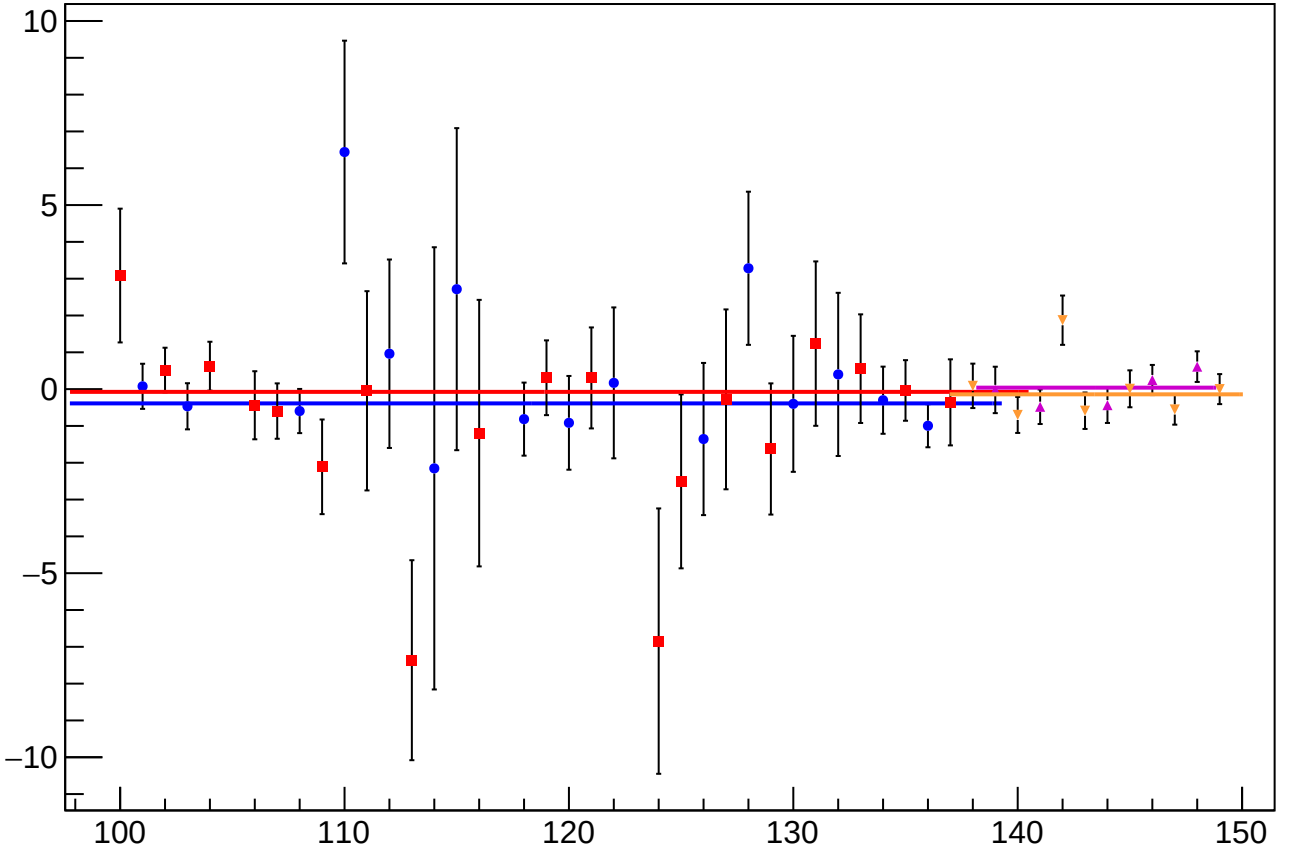
Left In: 8768.272+/-3.001 χ^2/NDF:163240.2/4

+ sign 10028.876+/-2.095 χ^2/NDF: 1999204.2/22

All: 10397.311+/-1.558 χ^2/NDF: 3945131.7/4

- sign 10852.870+/-2.330 χ^2/NDF: 1876764.2/23

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.141+/-0.185 χ^2/NDF:12.5/6

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

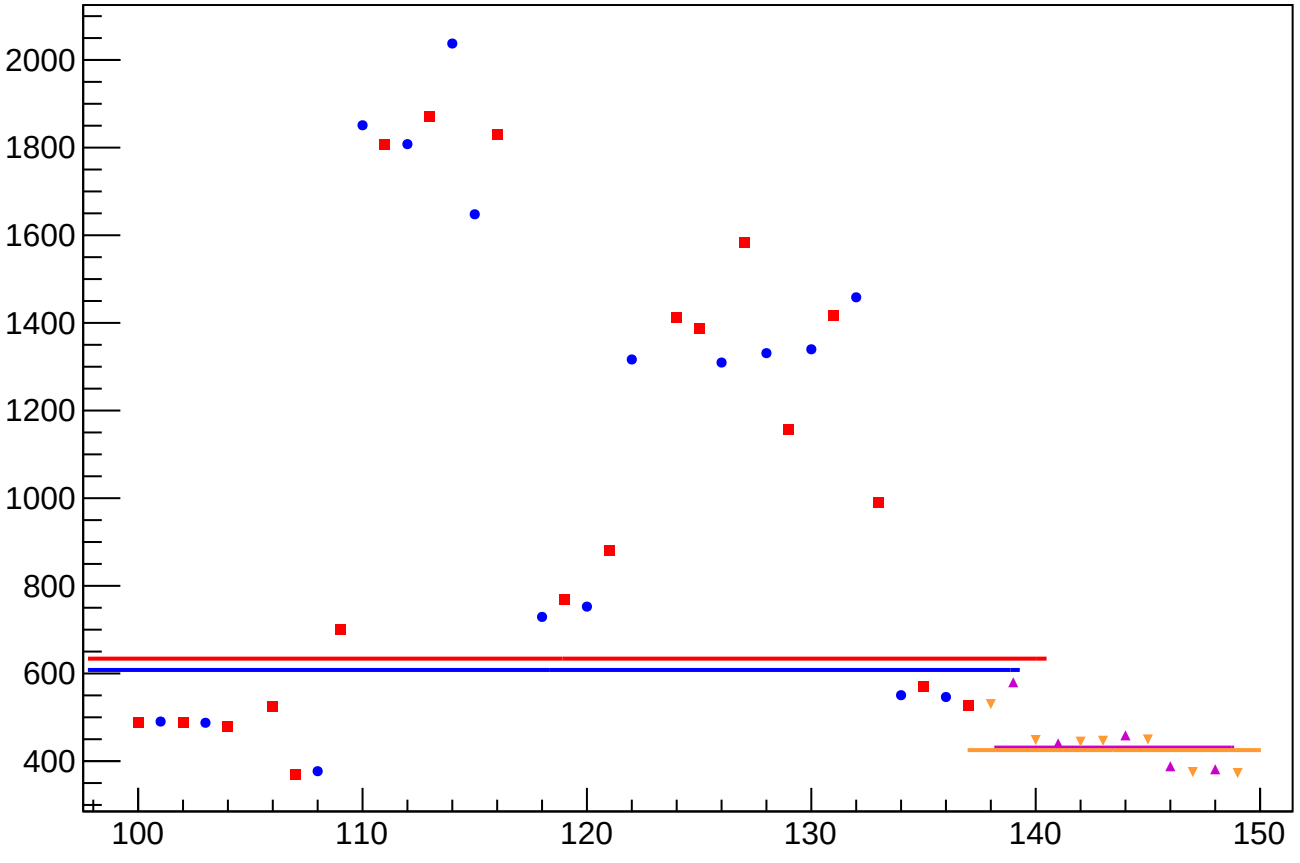
Left In: 0.040+/-0.208 χ^2/NDF:4.3/4

+ sign -0.226+/-0.150 χ^2/NDF: 24.8/22

All: -0.125+/-0.111 χ^2/NDF: 51.9/46

- 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: 425.195+/-0.131 χ^2/NDF:137533.5/6

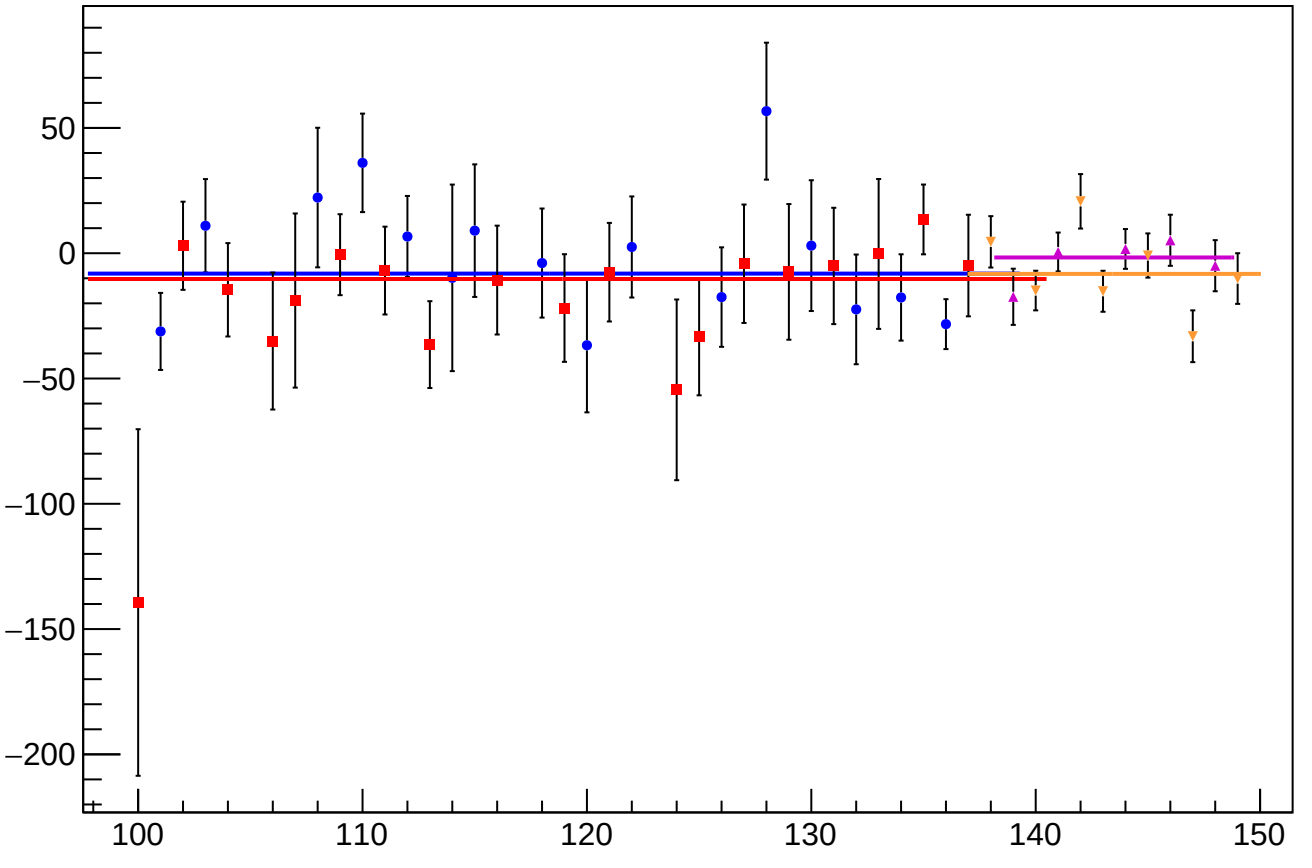
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 430.888+/-0.147 χ^2/NDF:169185.1/4

+ sign 488.195+/-0.106 χ^2/NDF: 3660761.9/22

All: 497.494+/-0.078 χ^2/NDF: 7362441.0/46

- 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: -8.249+/-3.516 χ^2/NDF:16.6/6

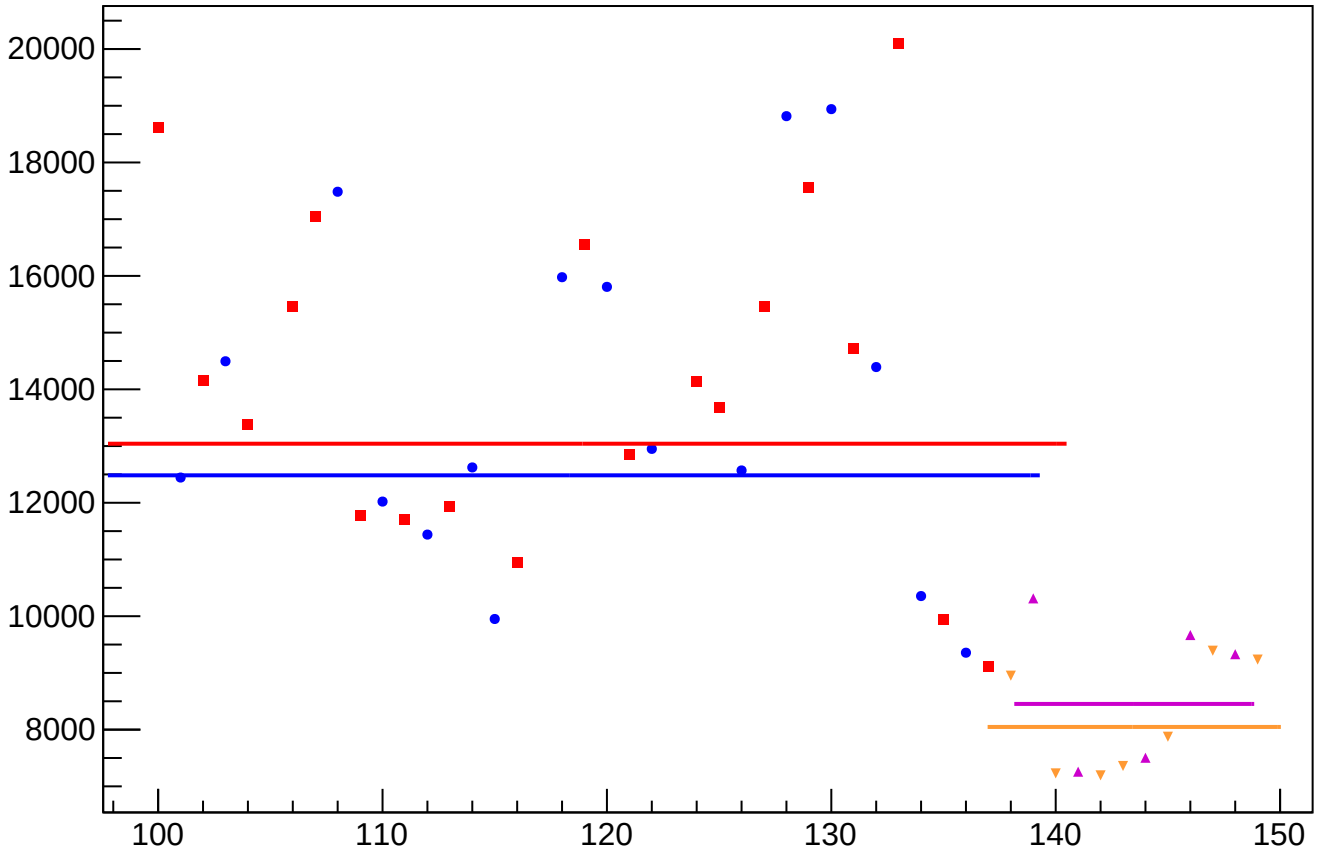
Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: -1.694+/-4.094 χ^2/NDF:2.8/4

+ sign -8.208+/-2.832 χ^2/NDF: 39.7/22

All: -6.878+/-2.101 χ^2/NDF: 58.5/46

- sign -5.249+/-3.135 χ^2/NDF: 18.3/23



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8047.415+/-2.486 χ^2/NDF:125673.1/6

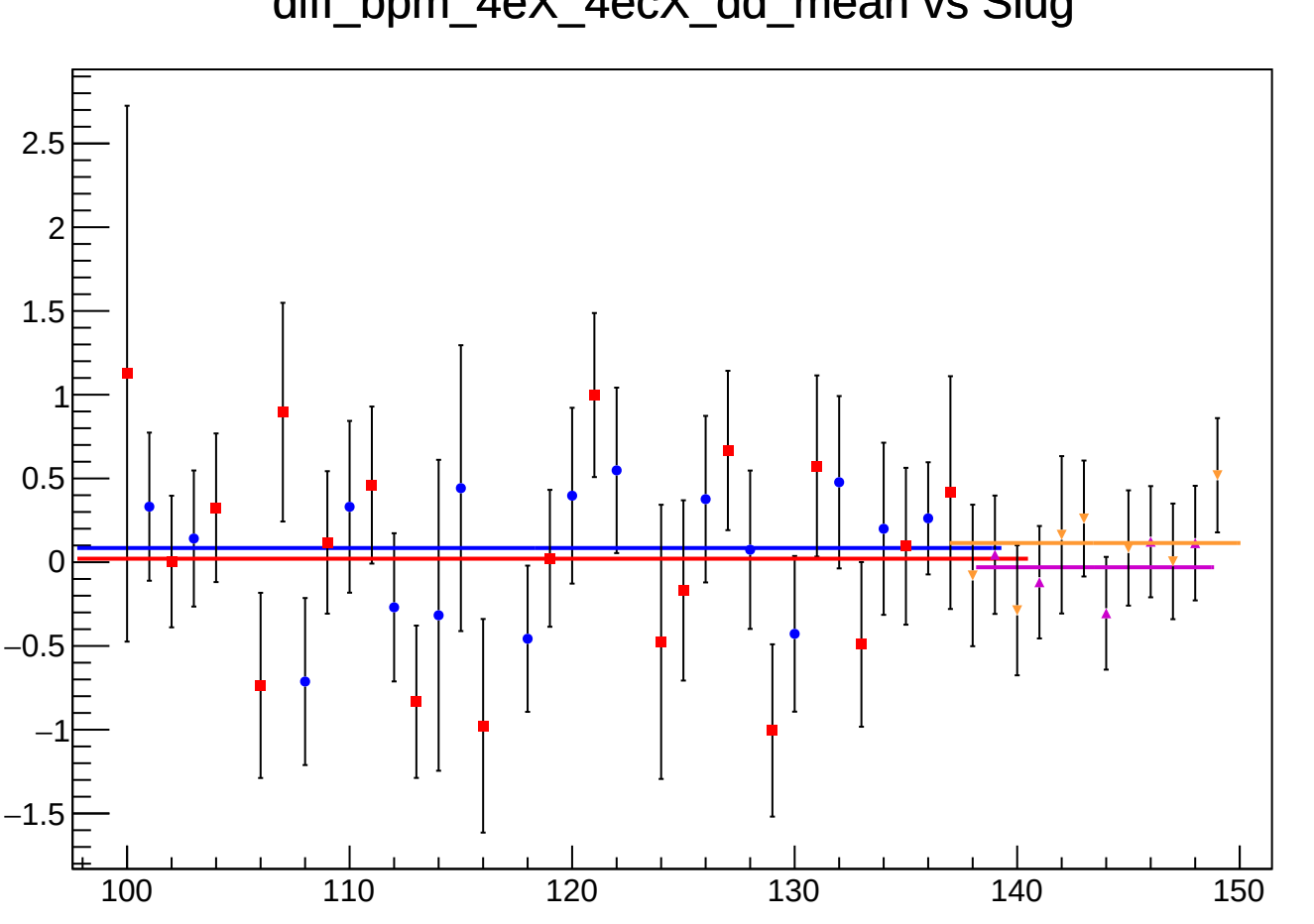
Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8453.151+/-2.895 χ^2/NDF:174249.2/4

+ sign 9605.604+/-2.003 χ^2/NDF: 1915455.2/22

All: 9940.735+/-1.486 χ^2/NDF: 3735826.5/46

- sign 10351.214+/-2.216 χ^2/NDF: 1758070.9/23



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.115+/-0.141 χ^2/NDF:3.0/6

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

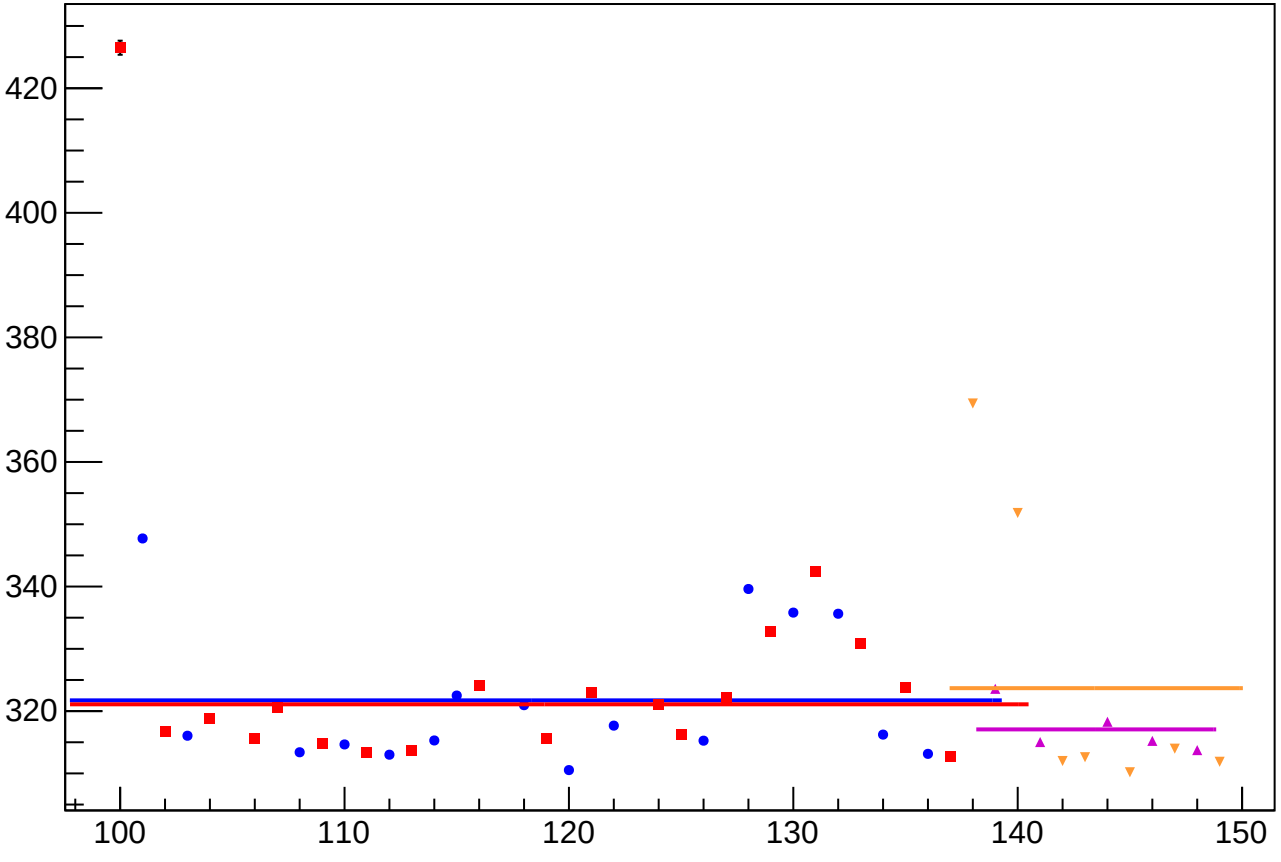
Left In: -0.030+/-0.152 χ^2/NDF:1.2/4

+ sign 0.097+/-0.091 χ^2/NDF: 12.4/22

All: 0.050+/-0.065 χ^2/NDF: 38.5/46

- 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: 323.685+/-0.099 χ^2/NDF:44265.3/6

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

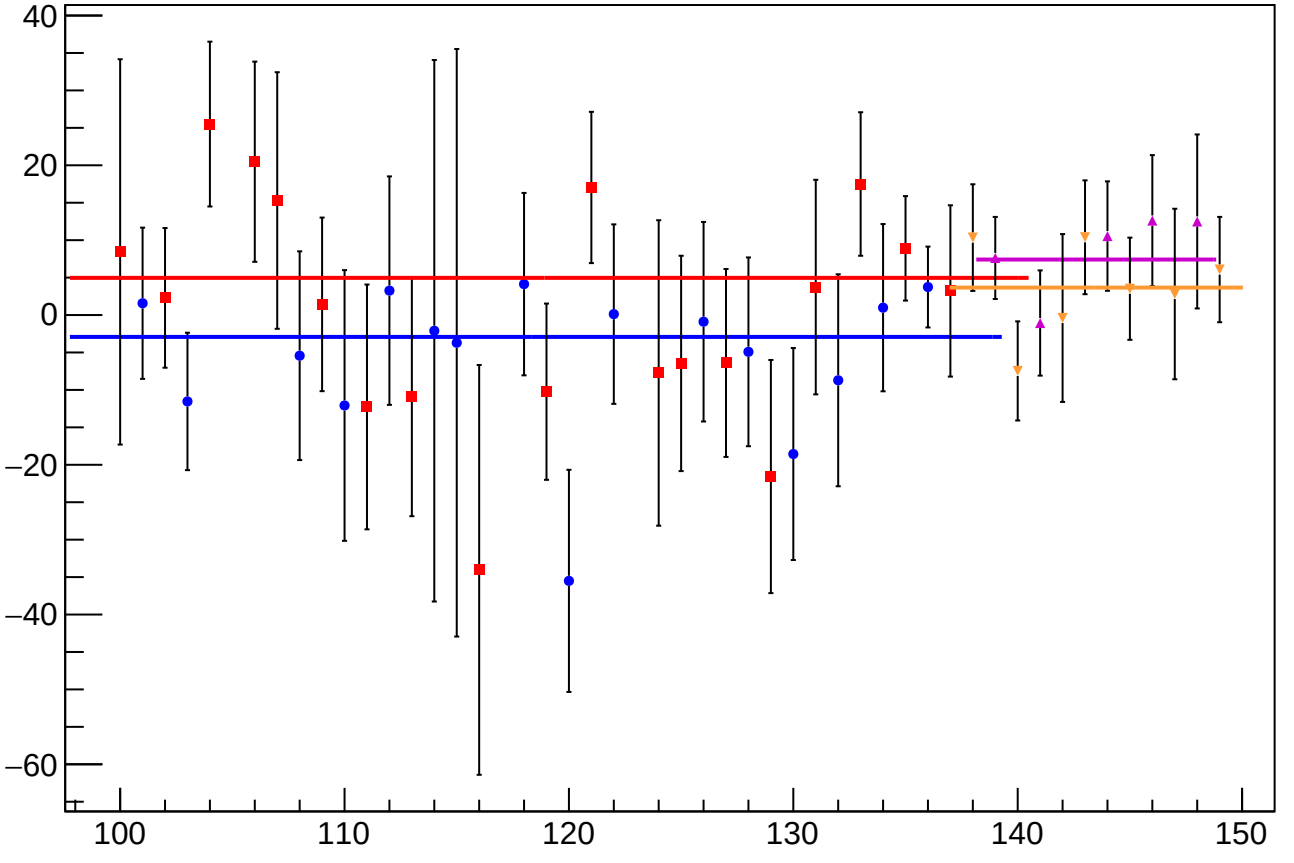
Left In: 317.065+/-0.107 χ^2/NDF:1030.5/4

+ sign 322.553+/-0.065 χ^2/NDF: 62703.8/22

All: 321.095+/-0.046 χ^2/NDF: 82230.8/46

- 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: 3.669+/-2.921 χ^2/NDF:4.7/6

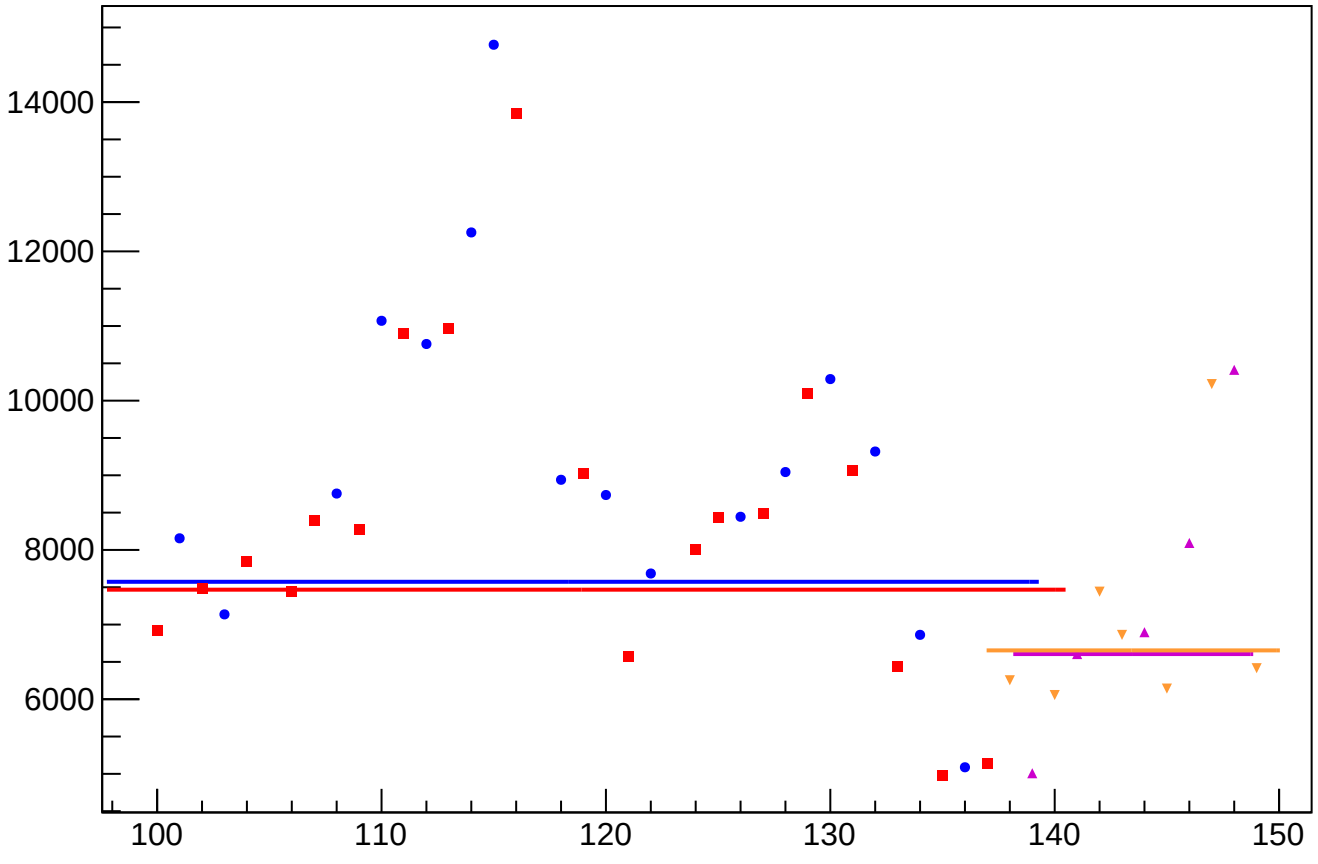
Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: 7.412+/-3.283 χ^2/NDF:2.2/4

+ sign 0.361+/-2.062 χ^2/NDF: 17.1/22

All: 3.077+/-1.485 χ^2/NDF: 42.7/46

- sign 6.006+/-2.141 χ^2/NDF: 21.9/23



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6654.073+/-2.065 χ^2/NDF:243901.8/6

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

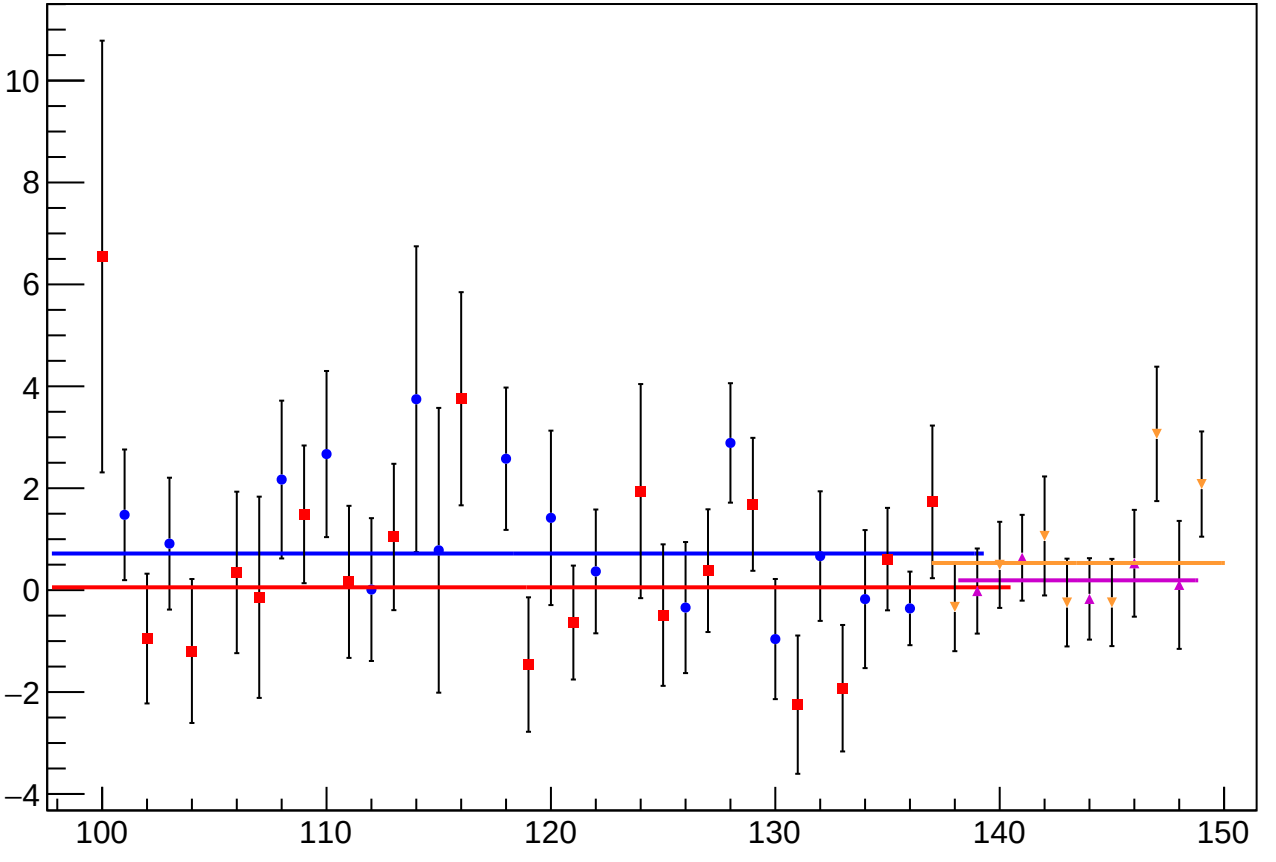
Left In: 6604.994+/-2.321 χ^2/NDF:445892.6/4

+ sign 7115.292+/-1.458 χ^2/NDF: 1240858.8/22

All: 7108.261+/-1.050 χ^2/NDF: 2594491.9/46

- 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: 0.533+/-0.361 χ^2/NDF:8.8/6

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

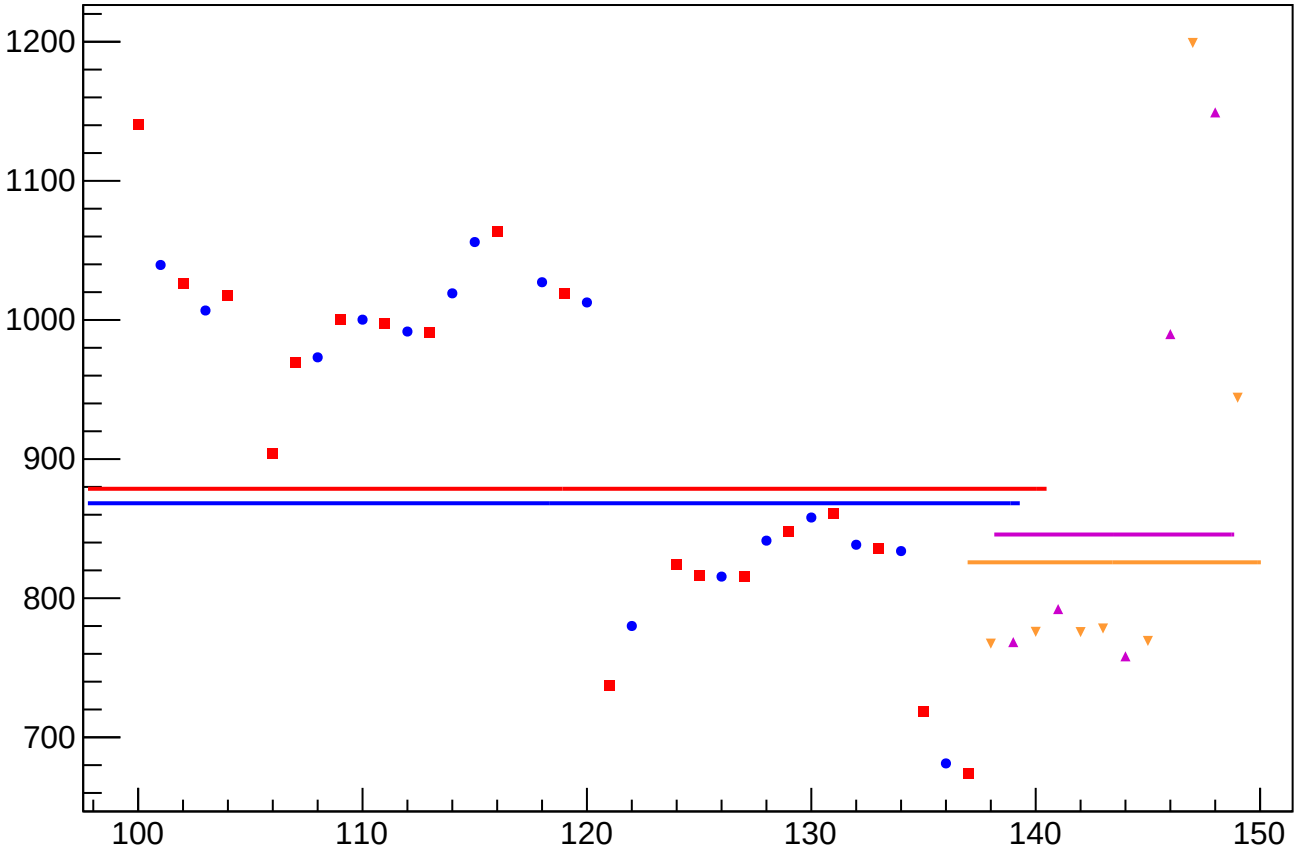
Left In: 0.193+/-0.410 χ^2/NDF:0.7/4

+ sign 0.635+/-0.242 χ^2/NDF: 23.7/22

All: 0.384+/-0.175 χ^2/NDF: 46.5/46

- 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: 825.797+/-0.255 χ^2/NDF:221072.2/6

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

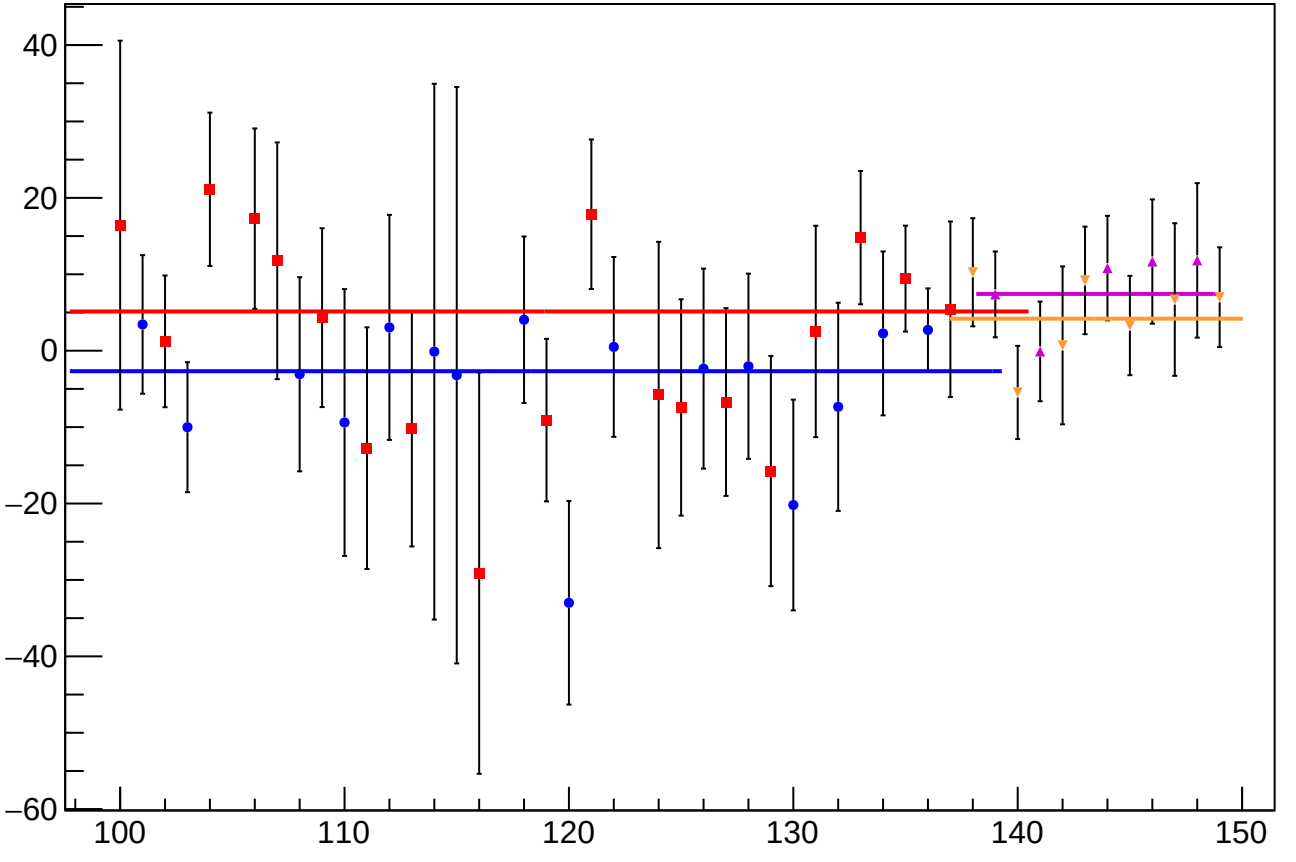
Left In: 845.784+/-0.290 χ^2/NDF:203847.9/4

\+ sign 849.172+/-0.171 χ^2/NDF: 538733.8/22

All: 857.199+/-0.124 χ^2/NDF: 1027675.4/46

\- 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: 4.190+/-2.736 χ^2/NDF:4.1/6

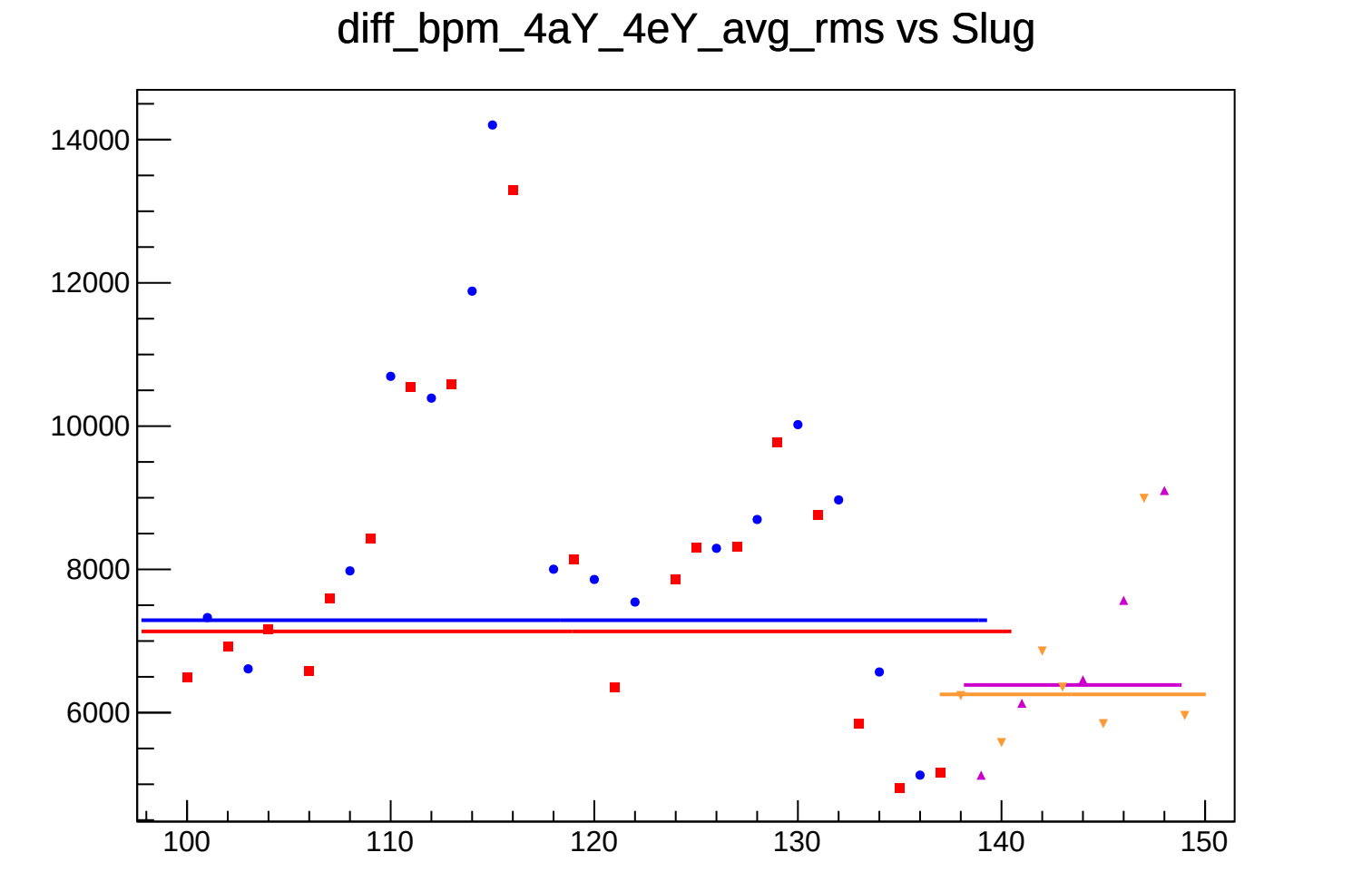
Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: 7.433+/-3.138 χ^2/NDF:2.0/4

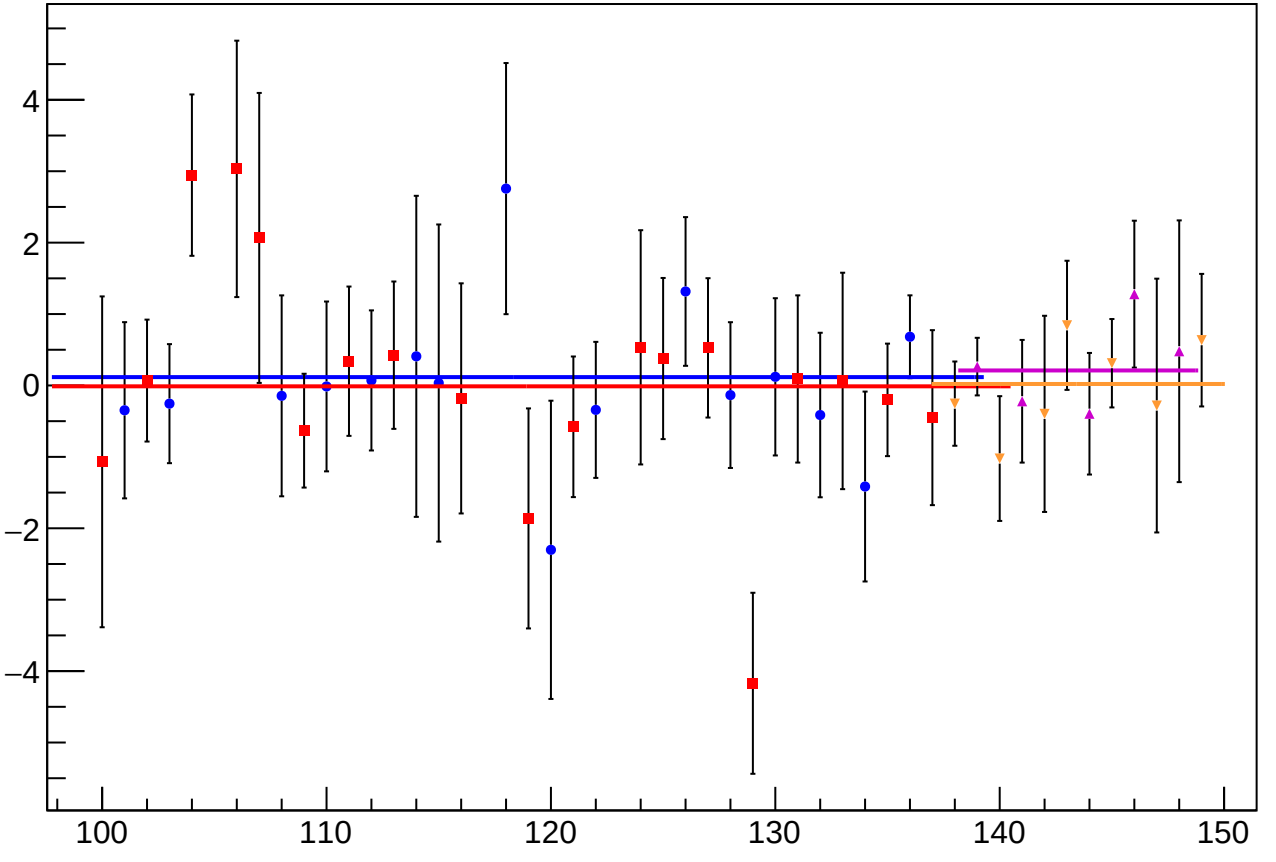
\+ sign 0.818+/-1.953 χ^2/NDF: 17.3/22

All: 3.344+/-1.412 χ^2/NDF: 40.4/46

\- sign 6.110+/-2.043 χ^2/NDF: 19.6/23


diff_bpm_4aY_4eY_avg_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6255.247+/-1.935 χ²/NDF:193843.9/6
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6386.568+/-2.219 χ²/NDF:290500.2/4
+ sign 6763.018+/-1.381 χ²/NDF: 1104748.5/22
All: 6788.995+/-0.998 χ²/NDF: 2254203.9/46
- sign 6817.431+/-1.445 χ²/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: 0.021+/-0.316 χ^2/NDF:3.3/6

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

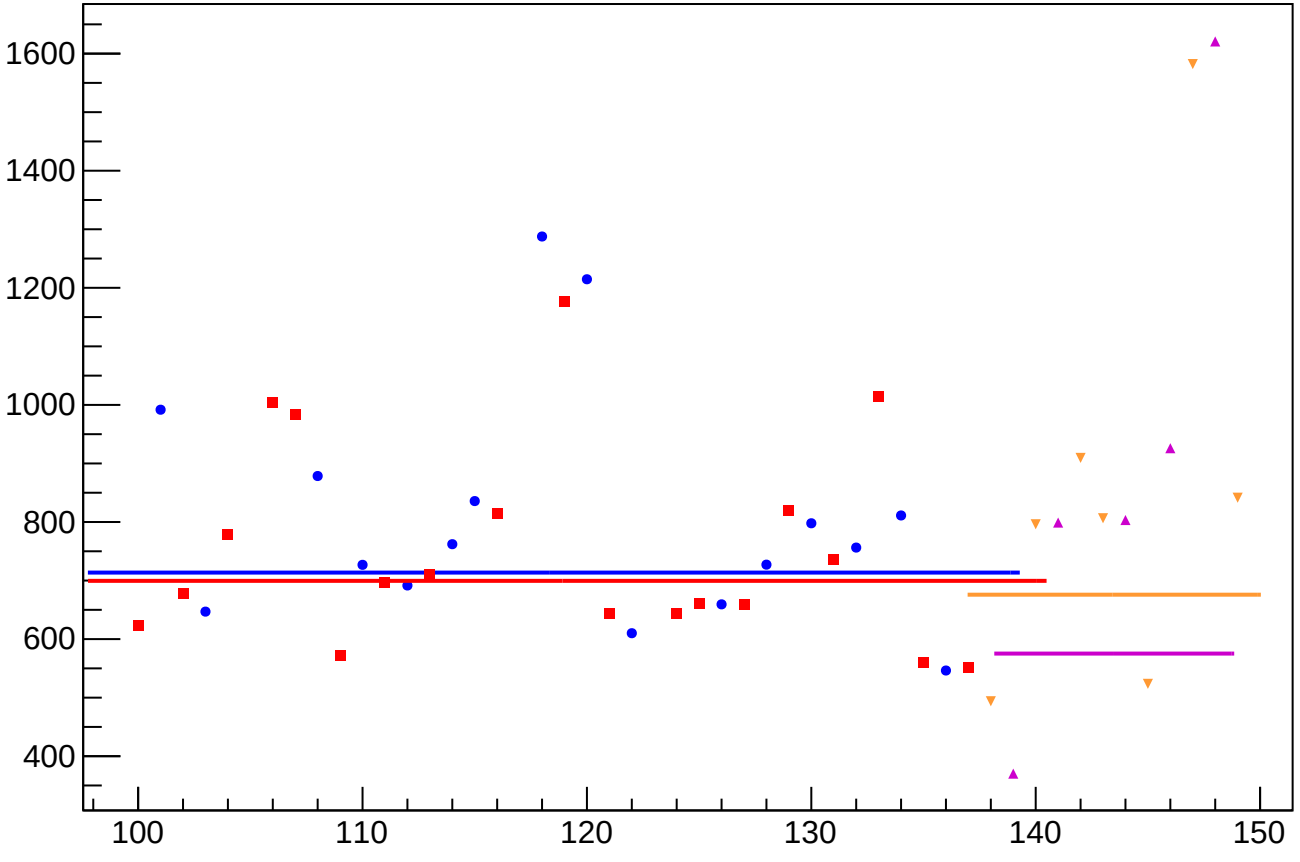
Left In: 0.210+/-0.314 χ^2/NDF:1.9/4

+ sign 0.076+/-0.207 χ^2/NDF: 11.4/22

All: 0.078+/-0.144 χ^2/NDF: 38.8/46

- sign 0.080+/-0.202 χ^2/NDF: 27.3/23

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 675.853+/-0.223 χ^2/NDF:1032874.4/6

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

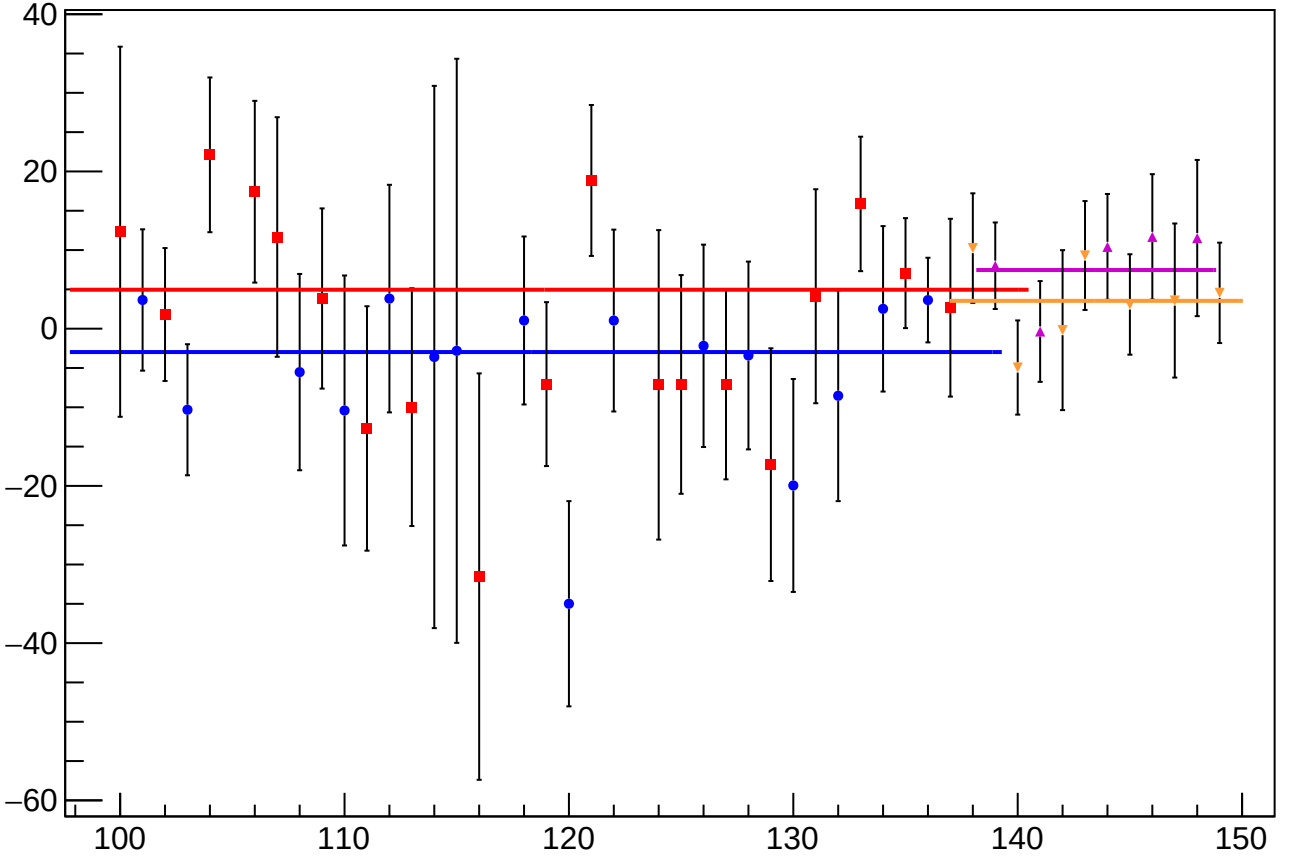
Left In: 575.273+/-0.222 χ^2/NDF:1680035.8/4

+ sign 697.462+/-0.146 χ^2/NDF: 1748545.1/22

All: 672.290+/-0.102 χ^2/NDF: 4246045.3/46

- 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: 3.541+/-2.688 χ^2/NDF:3.8/6

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

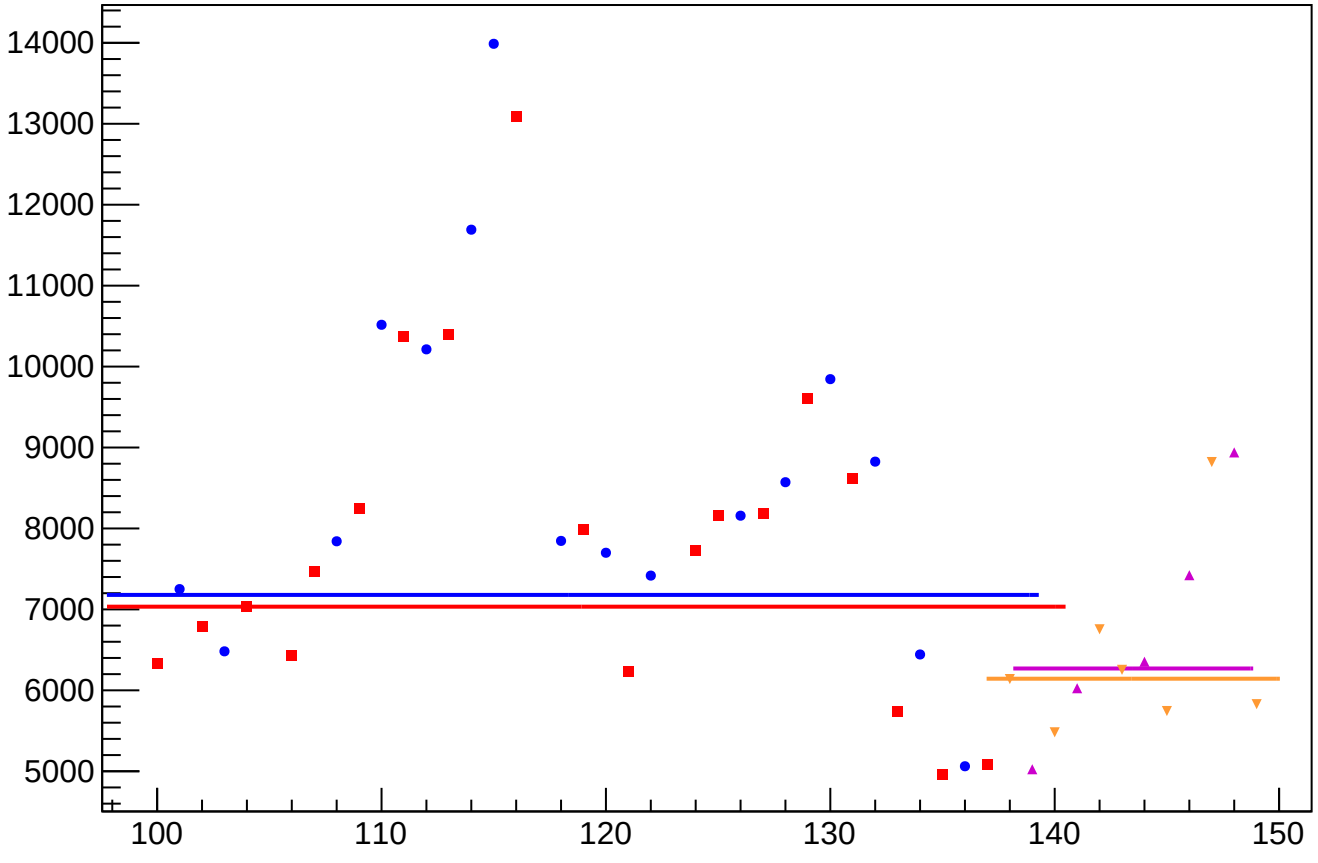
Left In: 7.462+/-3.082 χ^2/NDF:2.1/4

\+ sign 0.354+/-1.921 χ^2/NDF: 18.2/22

All: 3.058+/-1.389 χ^2/NDF: 43.4/46

\- sign 6.022+/-2.011 χ^2/NDF: 21.0/23

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6143.519+/-1.900 χ^2/NDF:194072.6/6

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

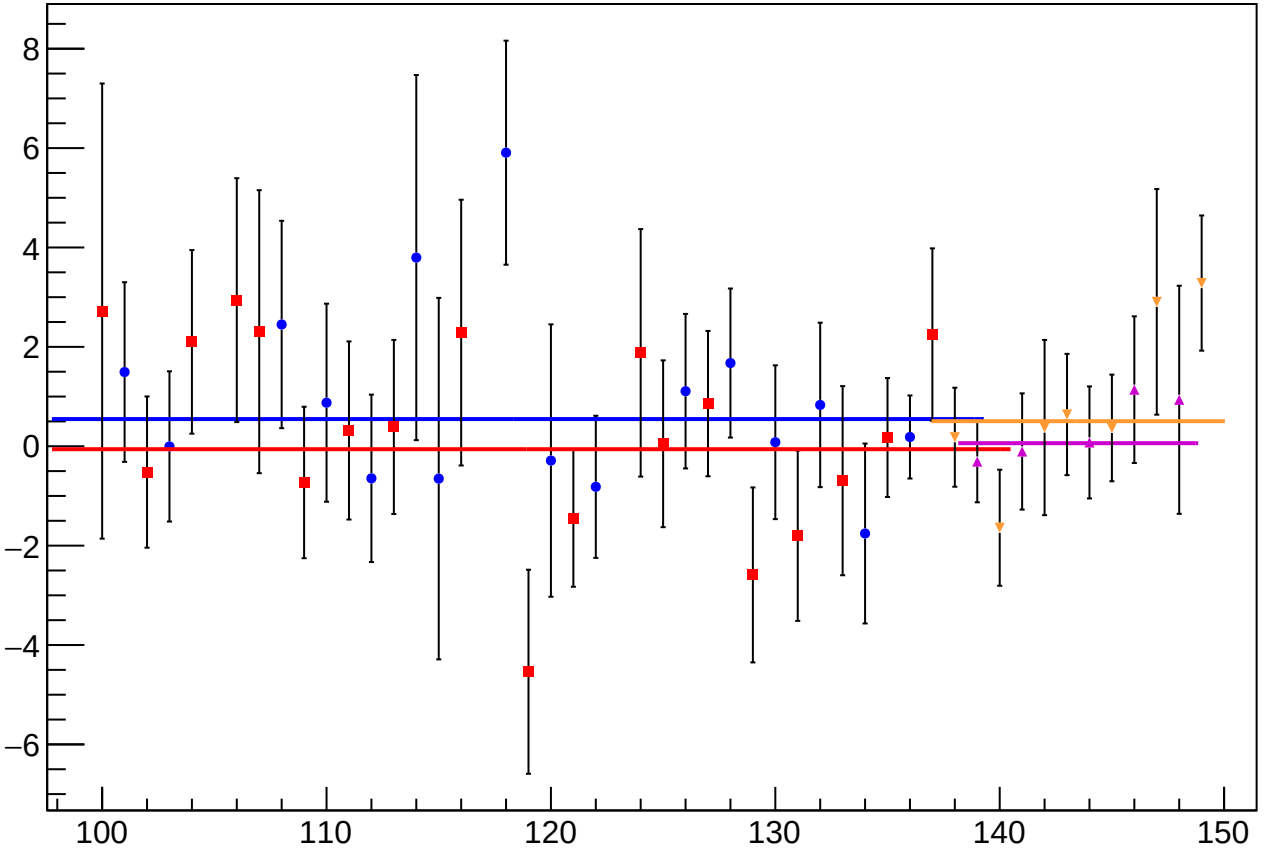
Left In: 6269.737+/-2.179 χ^2/NDF:291685.4/4

+ sign 6650.092+/-1.358 χ^2/NDF: 1101234.1/22

All: 6677.926+/-0.982 χ^2/NDF: 2230739.5/46

- 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: 0.505+/-0.480 χ^2/NDF:8.8/6

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

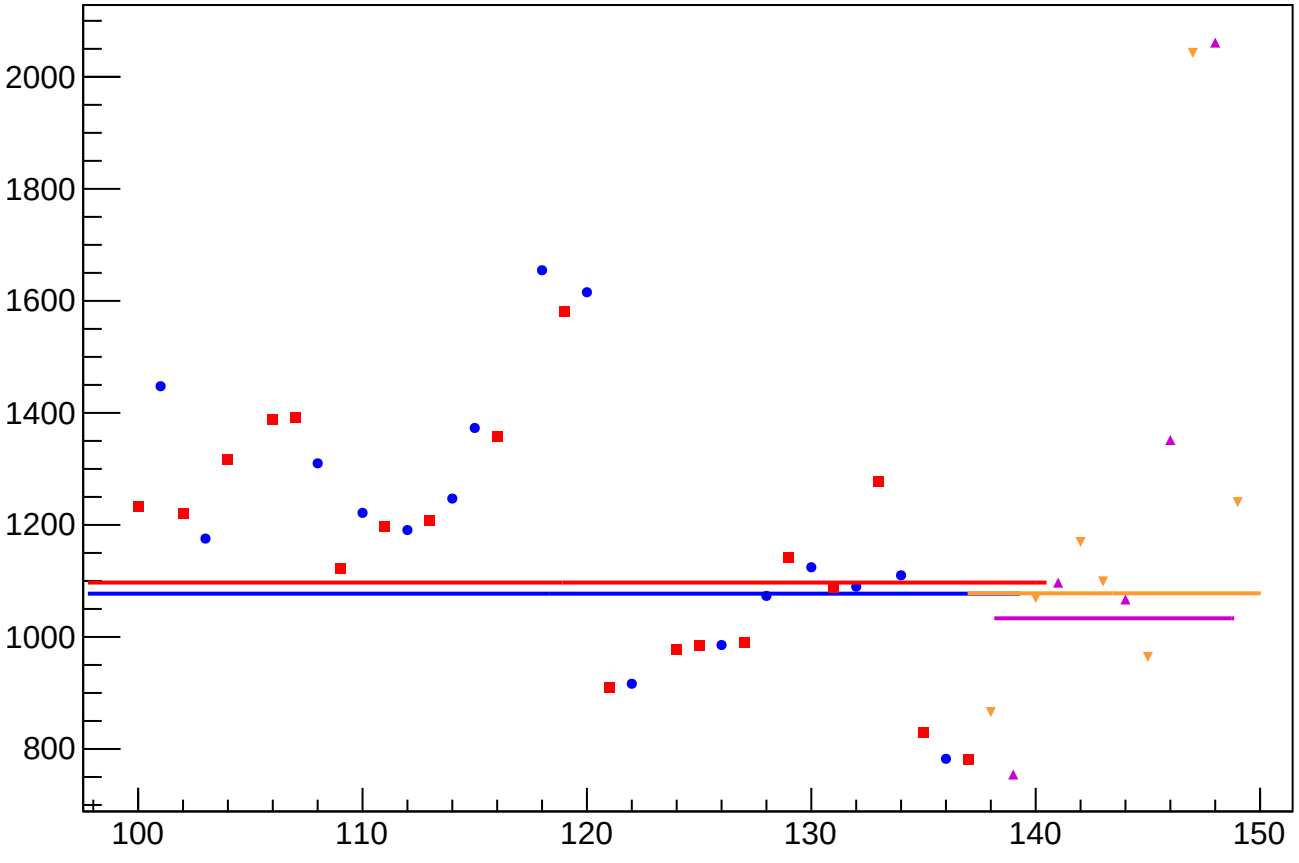
Left In: 0.062+/-0.523 χ^2/NDF:0.9/4

+ sign 0.529+/-0.312 χ^2/NDF: 20.7/22

All: 0.266+/-0.224 χ^2/NDF: 40.0/46

- 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: 1077.925+/-0.340 χ^2/NDF:509058.3/6

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

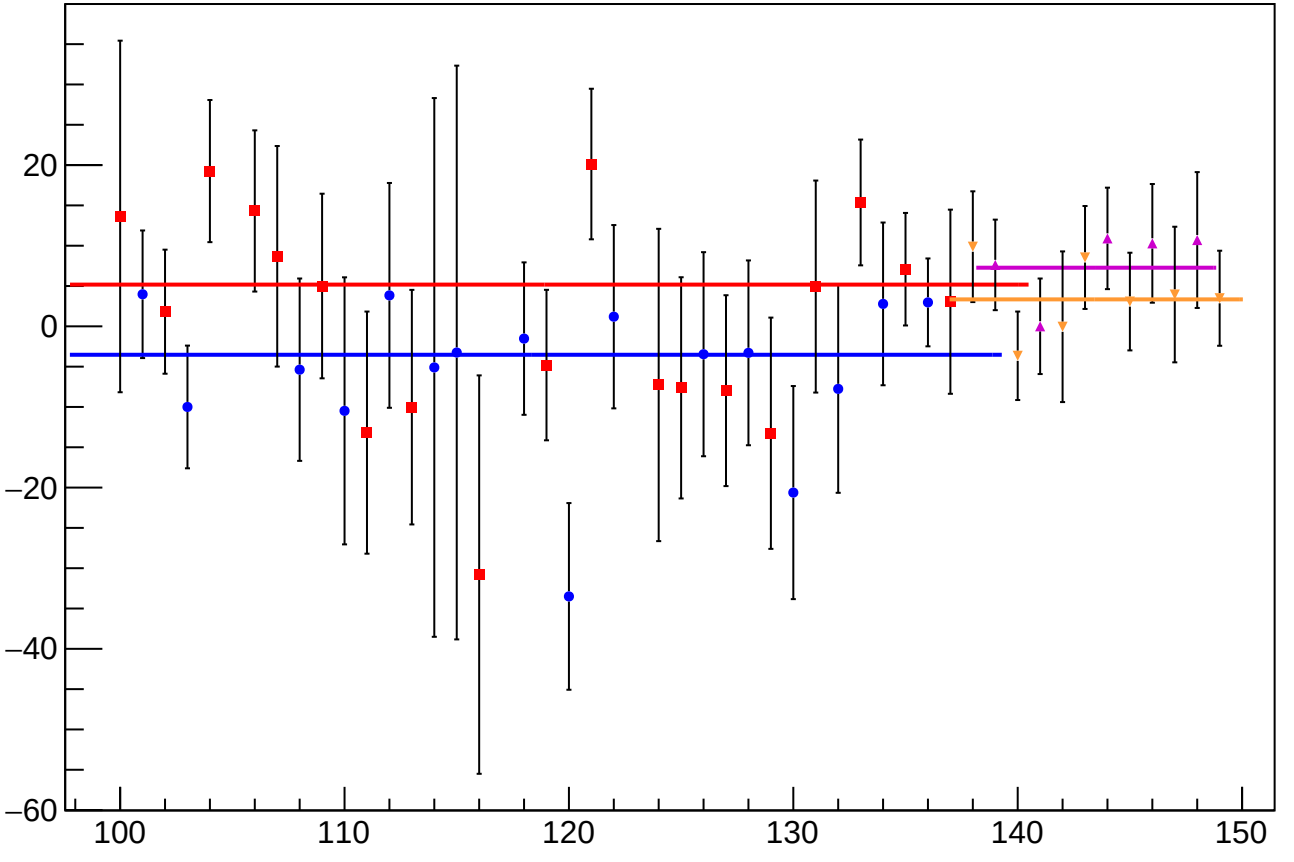
Left In: 1033.264+/-0.370 χ^2/NDF:733230.1/4

+ sign 1077.567+/-0.221 χ^2/NDF: 1155581.9/22

All: 1075.305+/-0.159 χ^2/NDF: 2391894.3/46

- sign 1072.896+/-0.228 χ^2/NDF: 1236095.5/23

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.343+/-2.496 χ^2/NDF:3.3/6

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

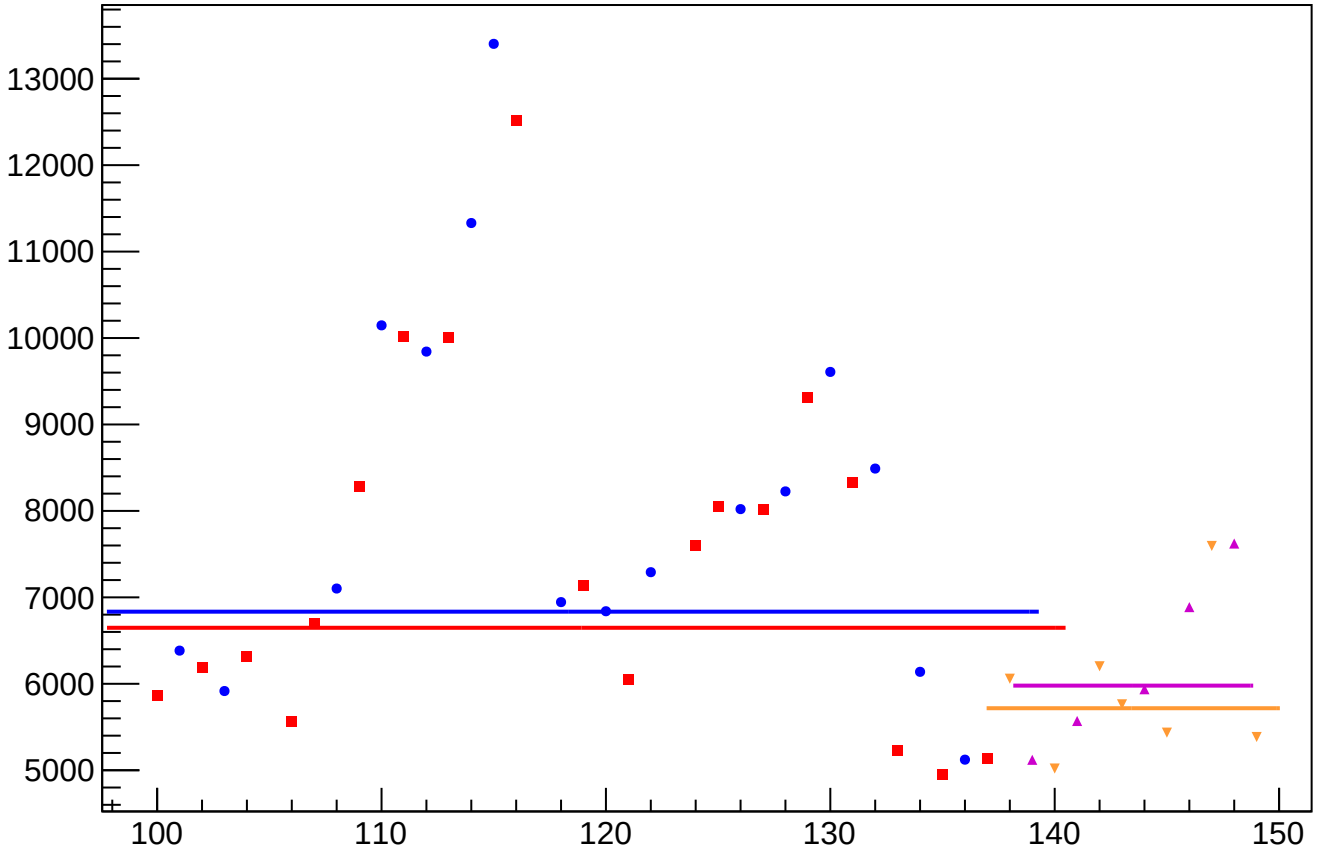
Left In: 7.272+/-2.911 χ^2/NDF:2.2/4

+ sign 0.059+/-1.803 χ^2/NDF: 19.6/22

All: 2.907+/-1.308 χ^2/NDF: 45.5/46

- 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: 5717.424+/-1.765 χ^2/NDF:153135.6/6

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

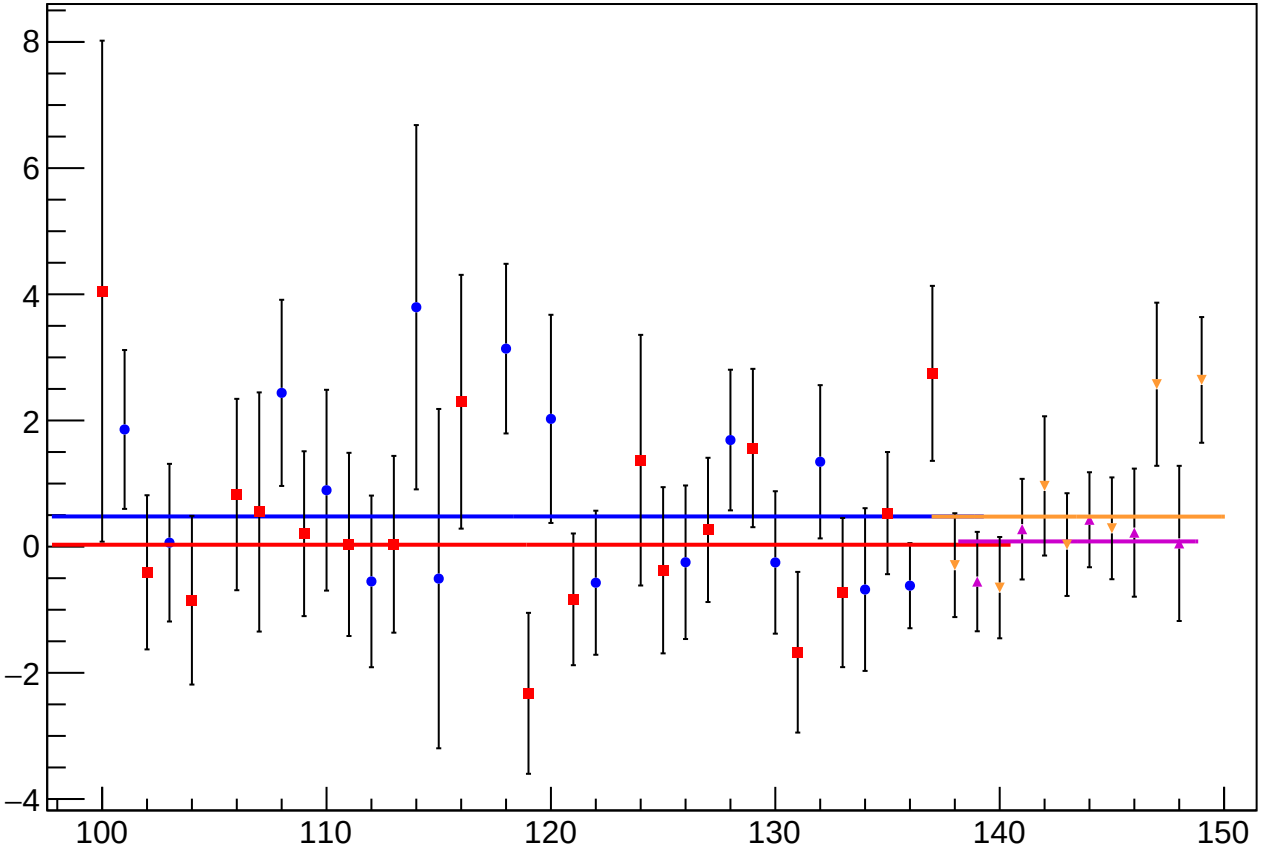
Left In: 5978.891+/-2.058 χ^2/NDF:162884.4/4

+ sign 6251.273+/-1.275 χ^2/NDF: 1037332.4/22

All: 6304.190+/-0.925 χ^2/NDF: 2049600.3/46

- 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: 0.476+/-0.343 χ^2/NDF:10.7/6

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

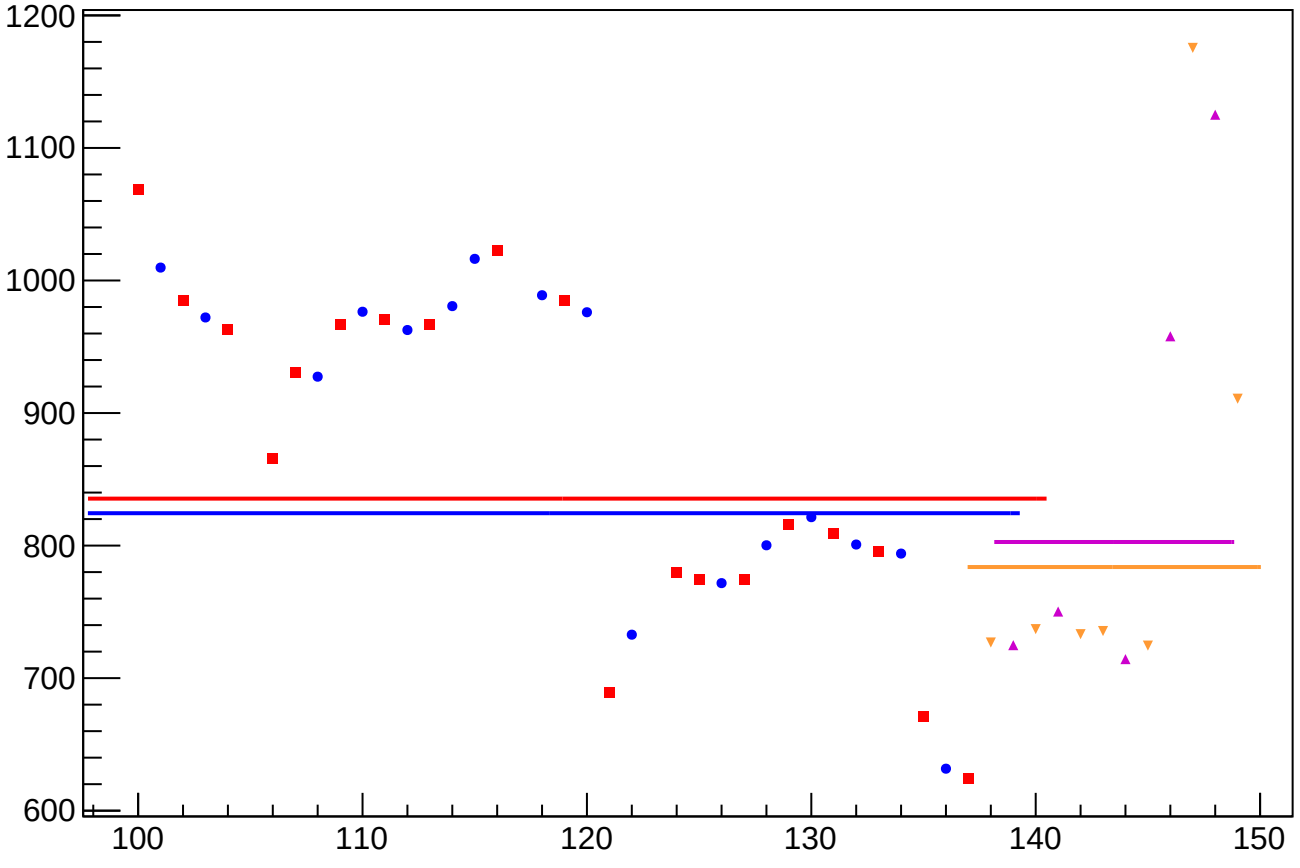
Left In: 0.083+/-0.390 χ^2/NDF:0.9/4

+ sign 0.478+/-0.230 χ^2/NDF: 27.5/22

All: 0.275+/-0.167 χ^2/NDF: 45.8/46

- 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: 783.820+/-0.243 χ^2/NDF:254443.2/6

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

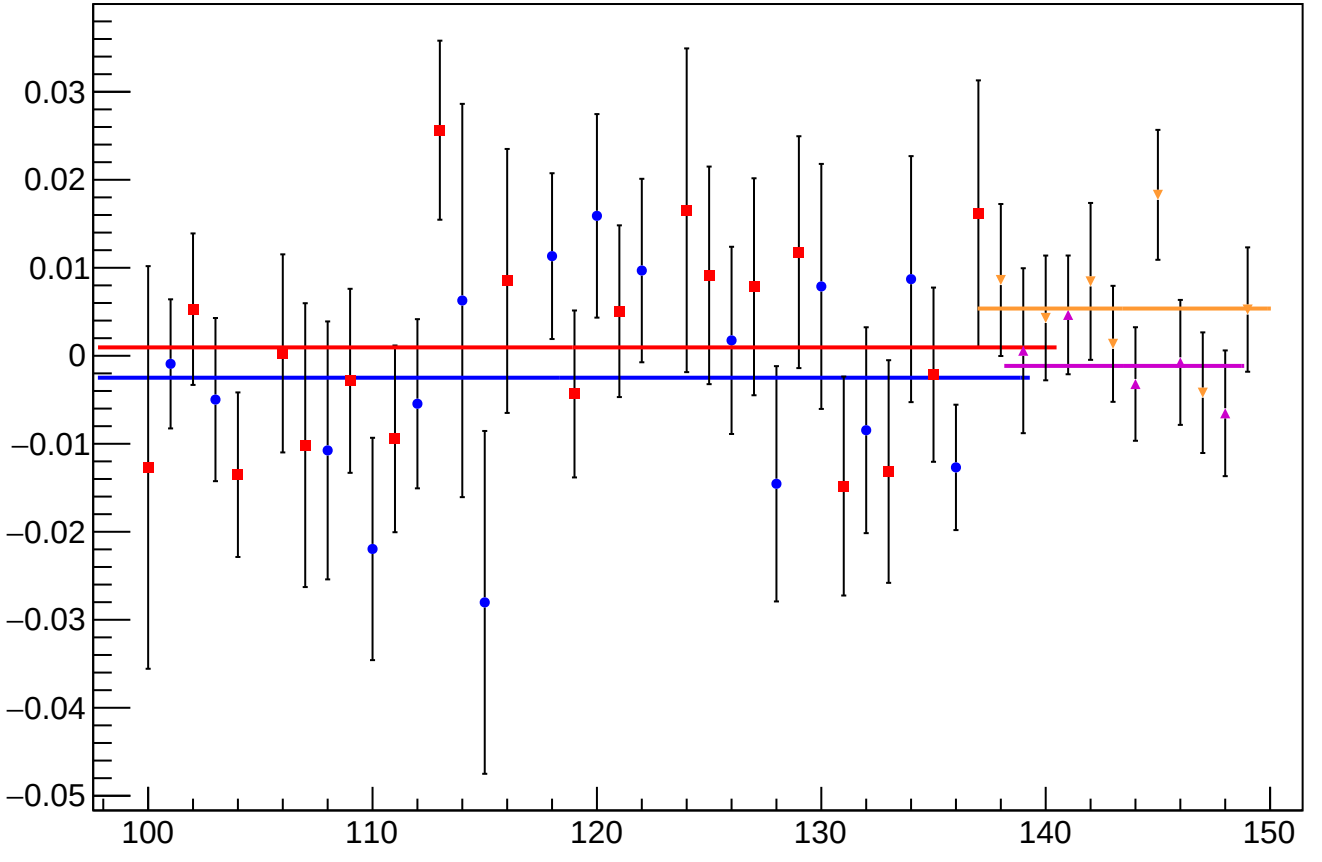
Left In: 802.712+/-0.276 χ^2/NDF:239908.8/4

+ sign 806.123+/-0.163 χ^2/NDF: 635299.7/22

All: 814.067+/-0.118 χ^2/NDF: 1208180.7/46

- 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:5.7/6

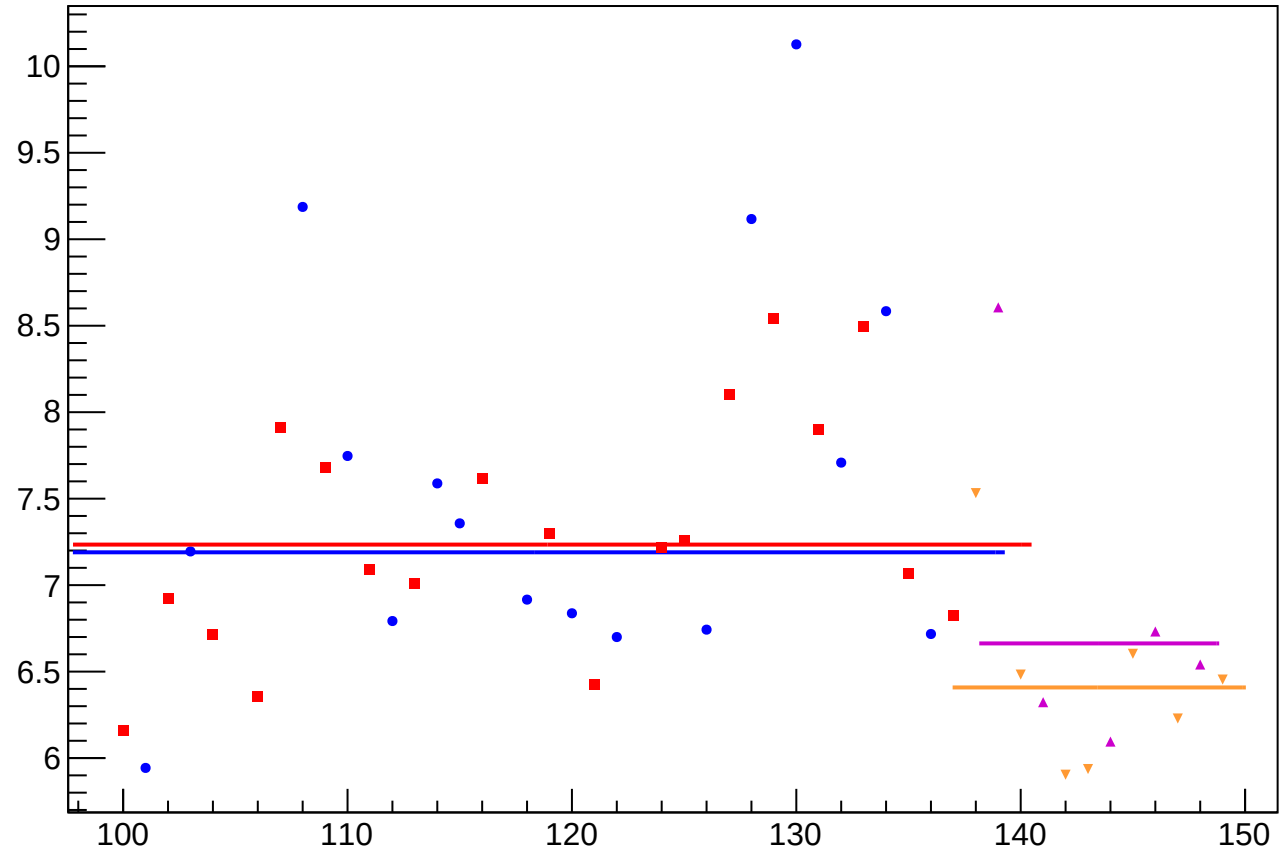
Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: -0.001+/-0.003 χ^2/NDF:1.4/4

+ sign 0.001+/-0.002 χ^2/NDF: 25.0/22

All: 0.001+/-0.001 χ^2/NDF: 44.2/46

- sign 0.000+/-0.002 χ^2/NDF: 19.0/23



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.408+/-0.002 χ^2/NDF:53566.3/6

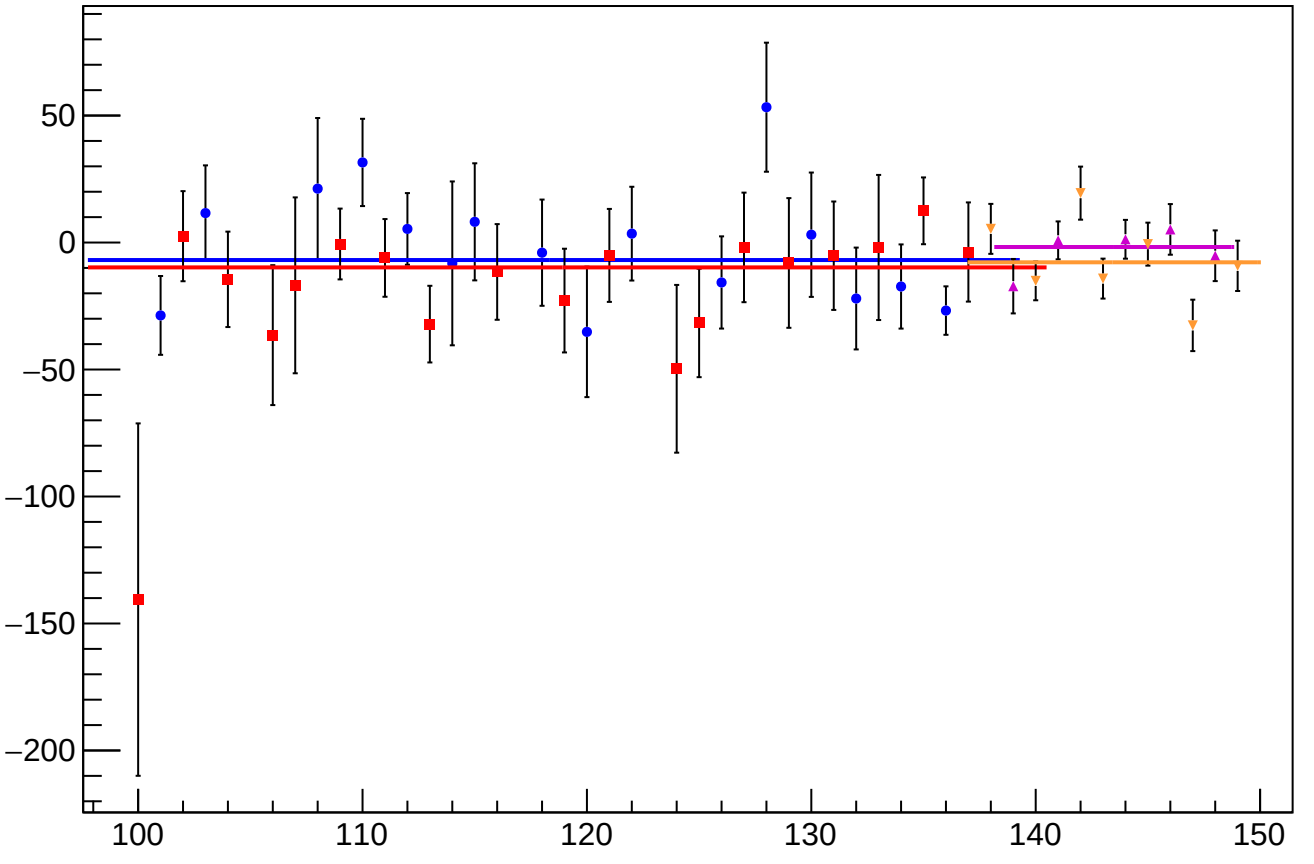
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.663+/-0.002 χ^2/NDF:107305.6/4

+ sign 6.810+/-0.001 χ^2/NDF: 411987.6/22

All: 6.901+/-0.001 χ^2/NDF: 672316.8/46

- 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: -7.787+/-3.396 χ^2/NDF:16.9/6

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

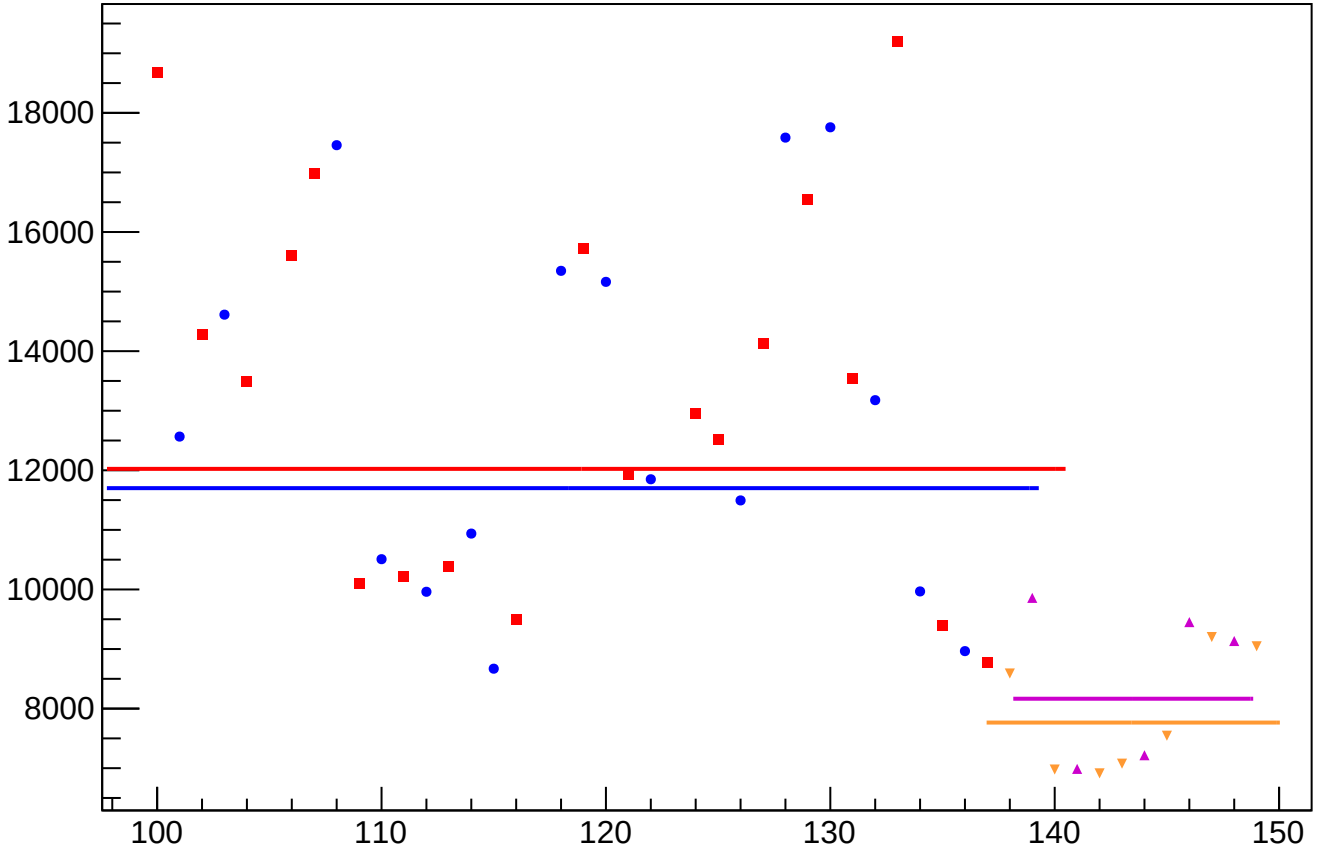
Left In: -1.760+/-3.956 χ^2/NDF:3.0/4

+ sign -7.461+/-2.708 χ^2/NDF: 40.0/22

All: -6.458+/-2.003 χ^2/NDF: 59.0/46

- 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: 7765.686+/-2.401 χ^2/NDF:139057.5/6

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

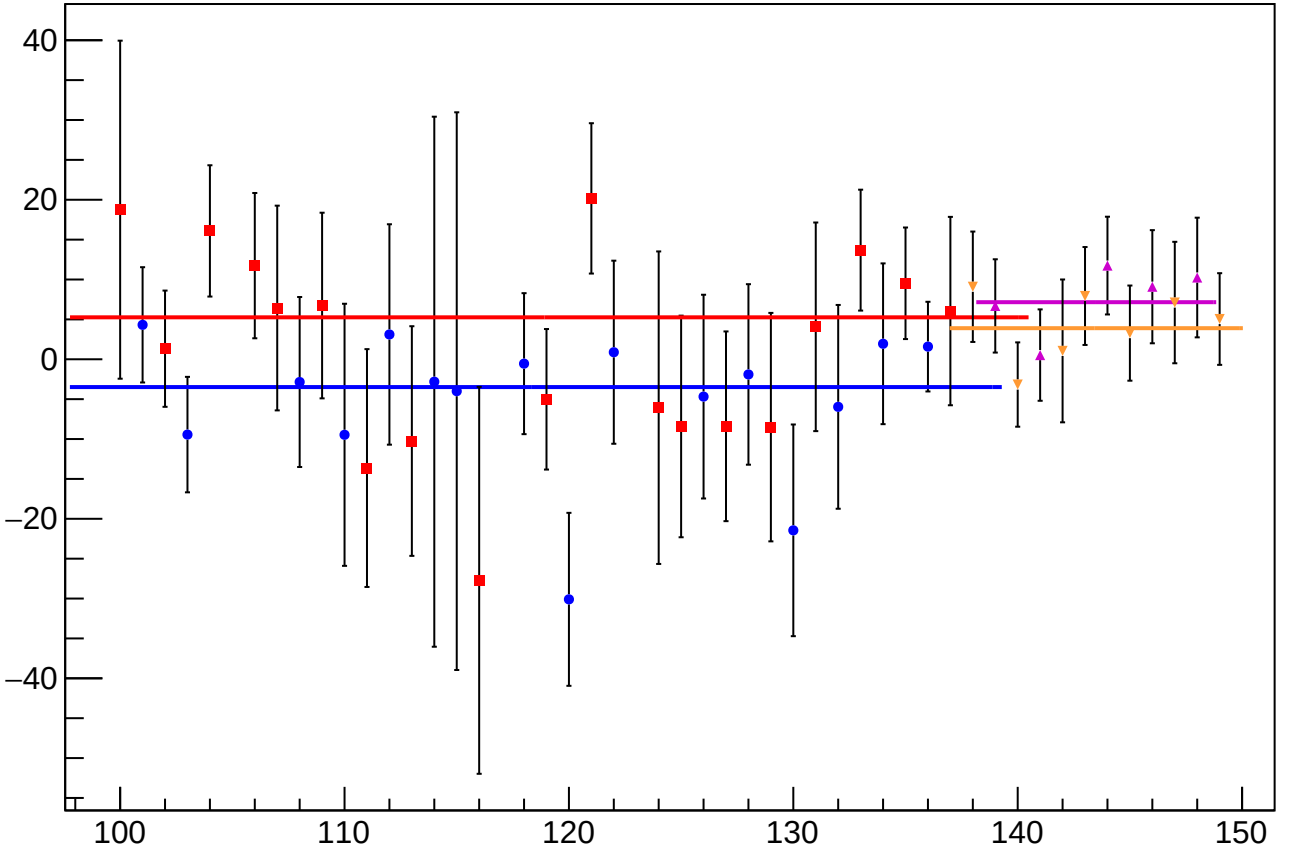
Left In: 8165.789+/-2.797 χ^2/NDF:182638.4/4

+ sign 9198.022+/-1.915 χ^2/NDF: 1856900.8/22

All: 9489.061+/-1.416 χ^2/NDF: 3601102.8/46

- 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: 3.898+/-2.416 χ^2/NDF:3.1/6

Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

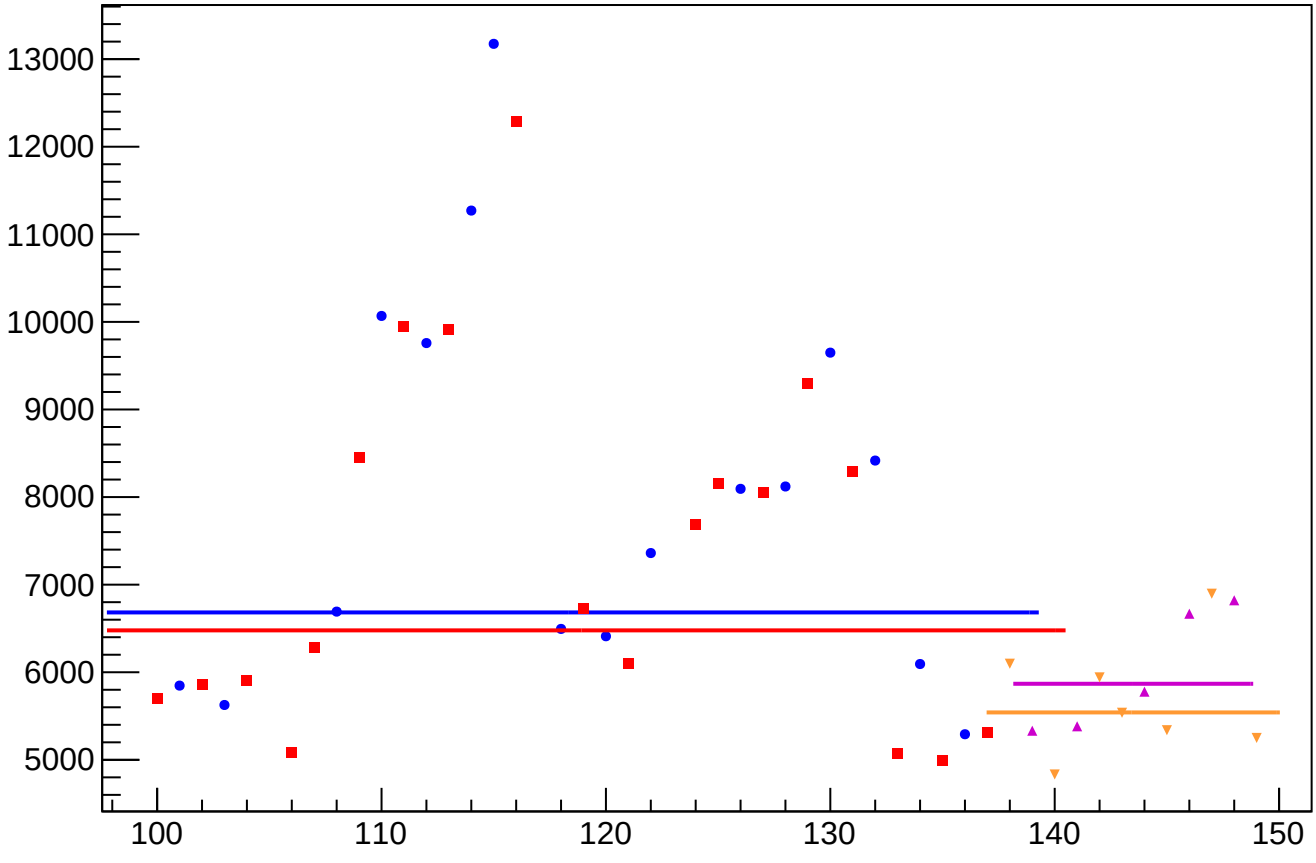
Left In: 7.157+/-2.840 χ^2/NDF:2.2/4

+ sign 0.405+/-1.754 χ^2/NDF: 19.0/22

All: 3.080+/-1.274 χ^2/NDF: 43.0/46

- 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: 5541.323+/-1.708 χ^2/NDF:123653.2/6

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

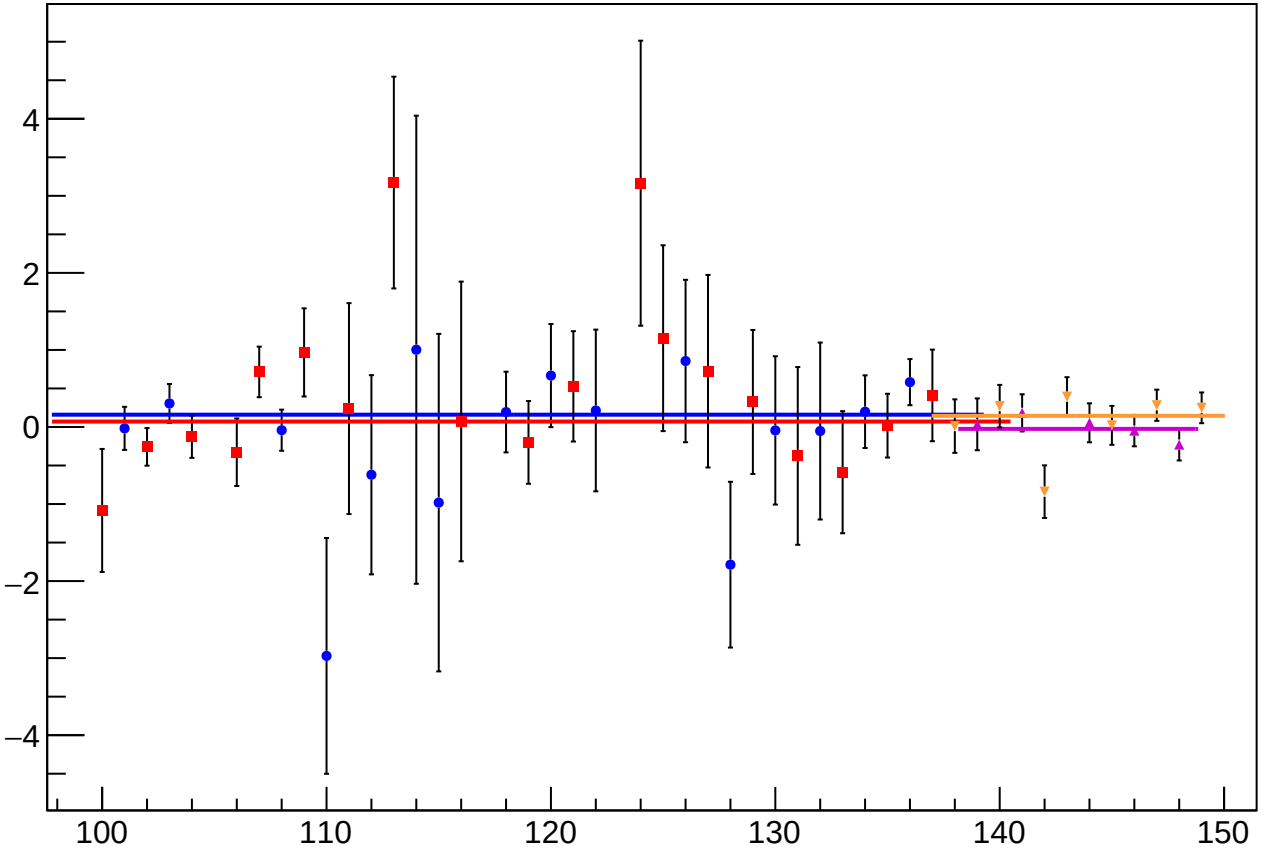
Left In: 5868.394+/-2.008 χ^2/NDF:89295.7/4

+ sign 6081.476+/-1.240 χ^2/NDF: 1027132.5/22

All: 6146.165+/-0.901 χ^2/NDF: 2014335.0/46

- 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: 0.145+/-0.095 χ^2/NDF:10.6/6

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

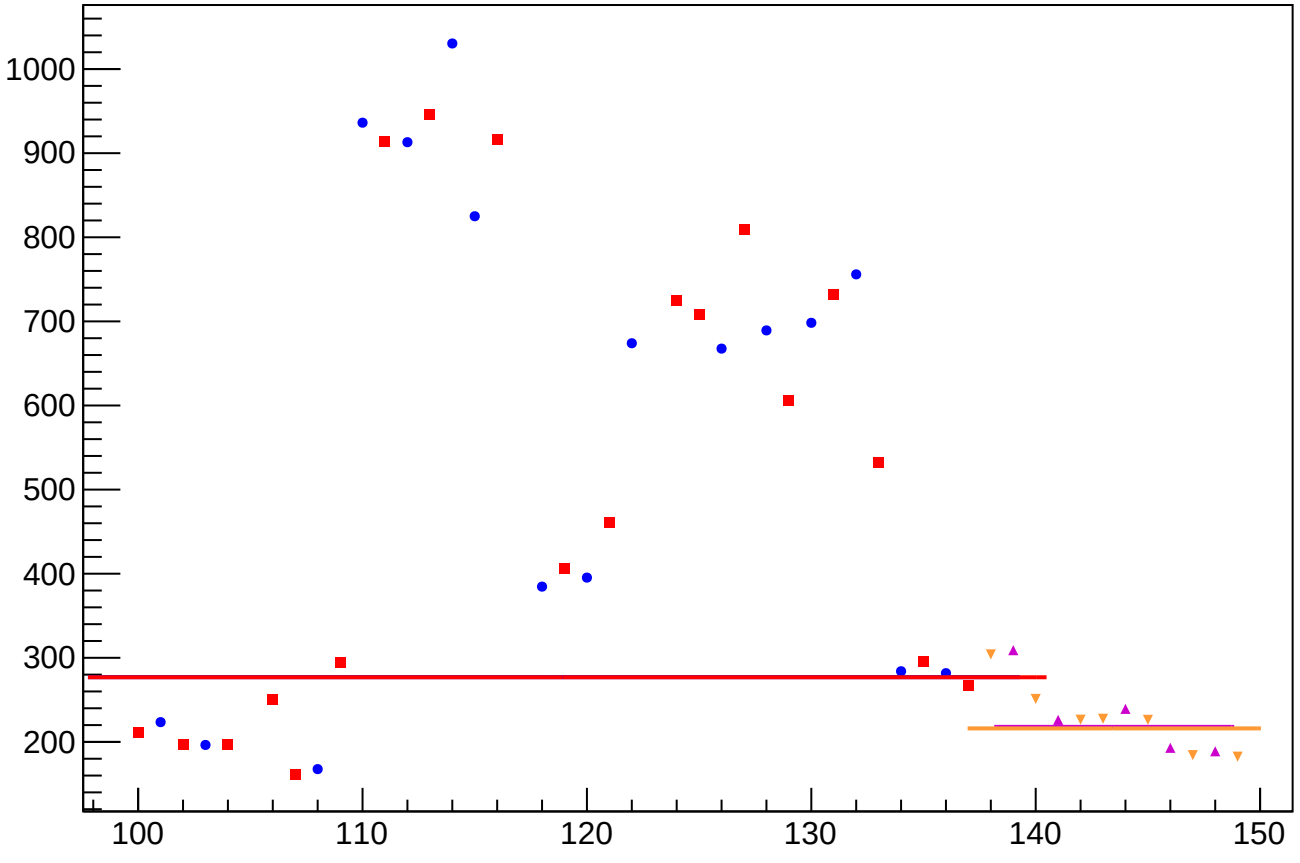
Left In: -0.025+/-0.106 χ^2/NDF:1.9/4

+ sign 0.151+/-0.074 χ^2/NDF: 23.2/22

All: 0.088+/-0.054 χ^2/NDF: 49.4/46

- 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: 216.076+/-0.067 χ^2/NDF:276006.5/6

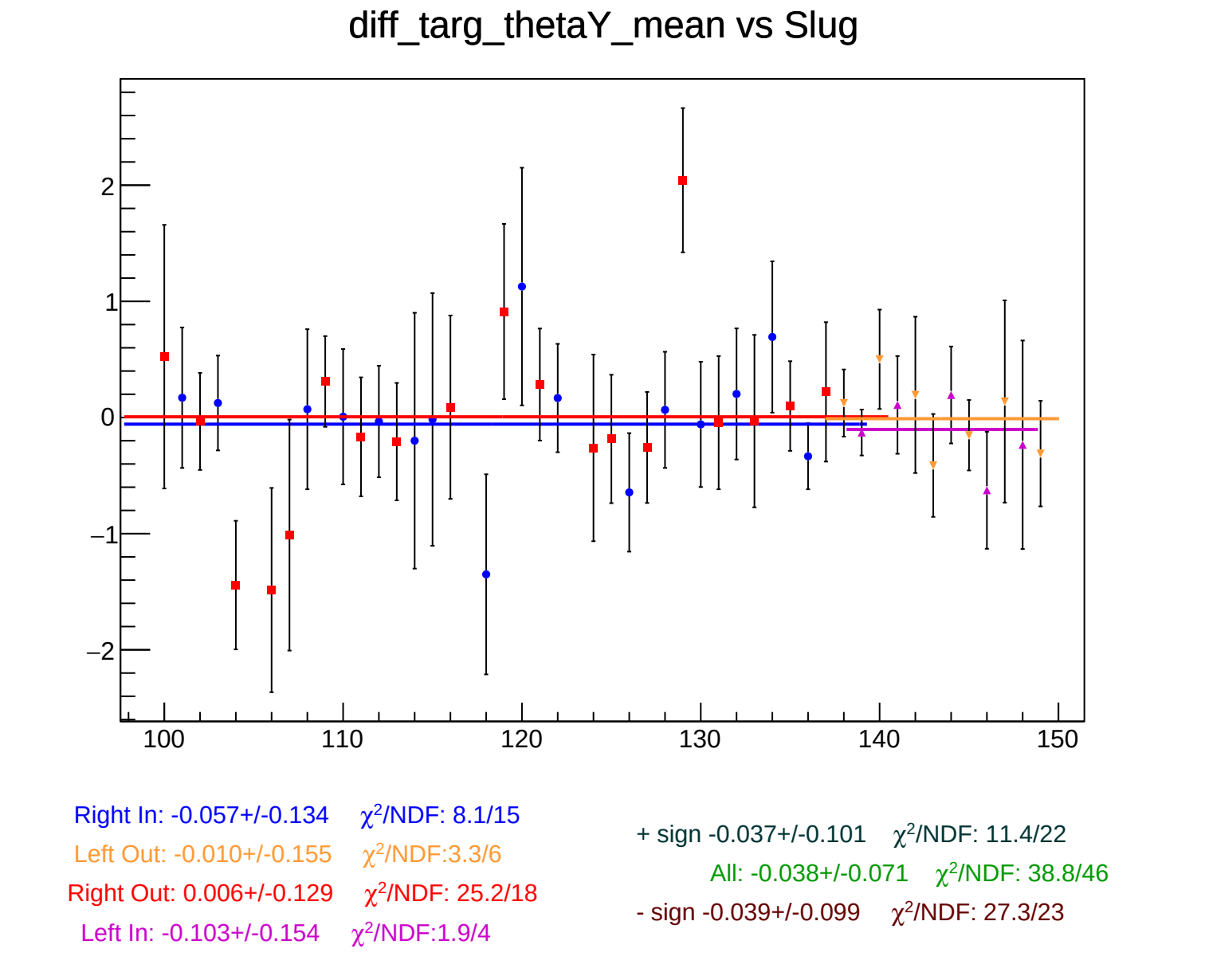
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 217.882+/-0.075 χ^2/NDF:233221.4/4

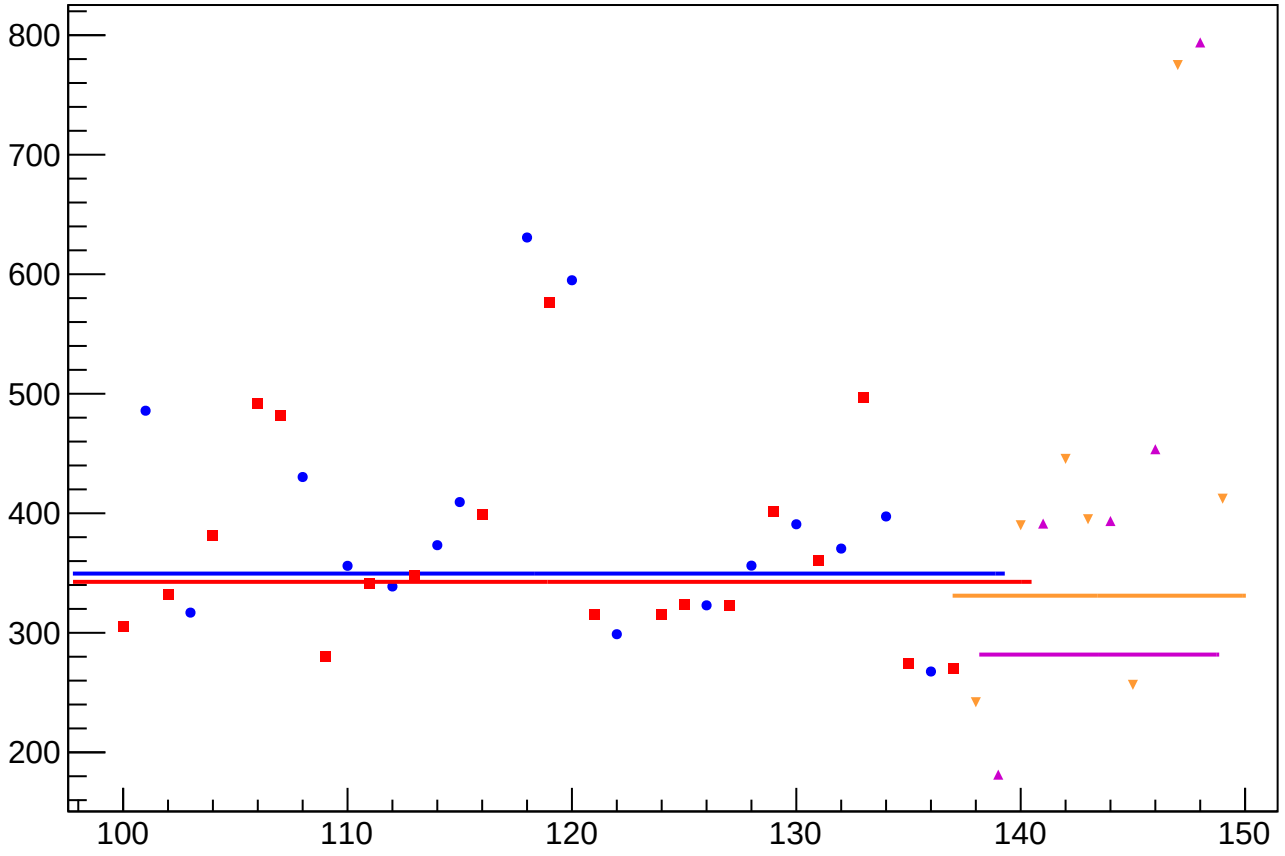
\+ sign 239.651+/-0.053 χ^2/NDF: 4045030.5/22

All: 241.571+/-0.038 χ^2/NDF: 8125358.7/46

\- 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: -0.010+/-0.155 χ²/NDF:3.3/6
Right Out: 0.006+/-0.129 χ²/NDF: 25.2/18
Left In: -0.103+/-0.154 χ²/NDF:1.9/4
+ sign -0.037+/-0.101 χ²/NDF: 11.4/22
All: -0.038+/-0.071 χ²/NDF: 38.8/46
- 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: 331.057+/-0.109 χ^2/NDF:1032874.4/6

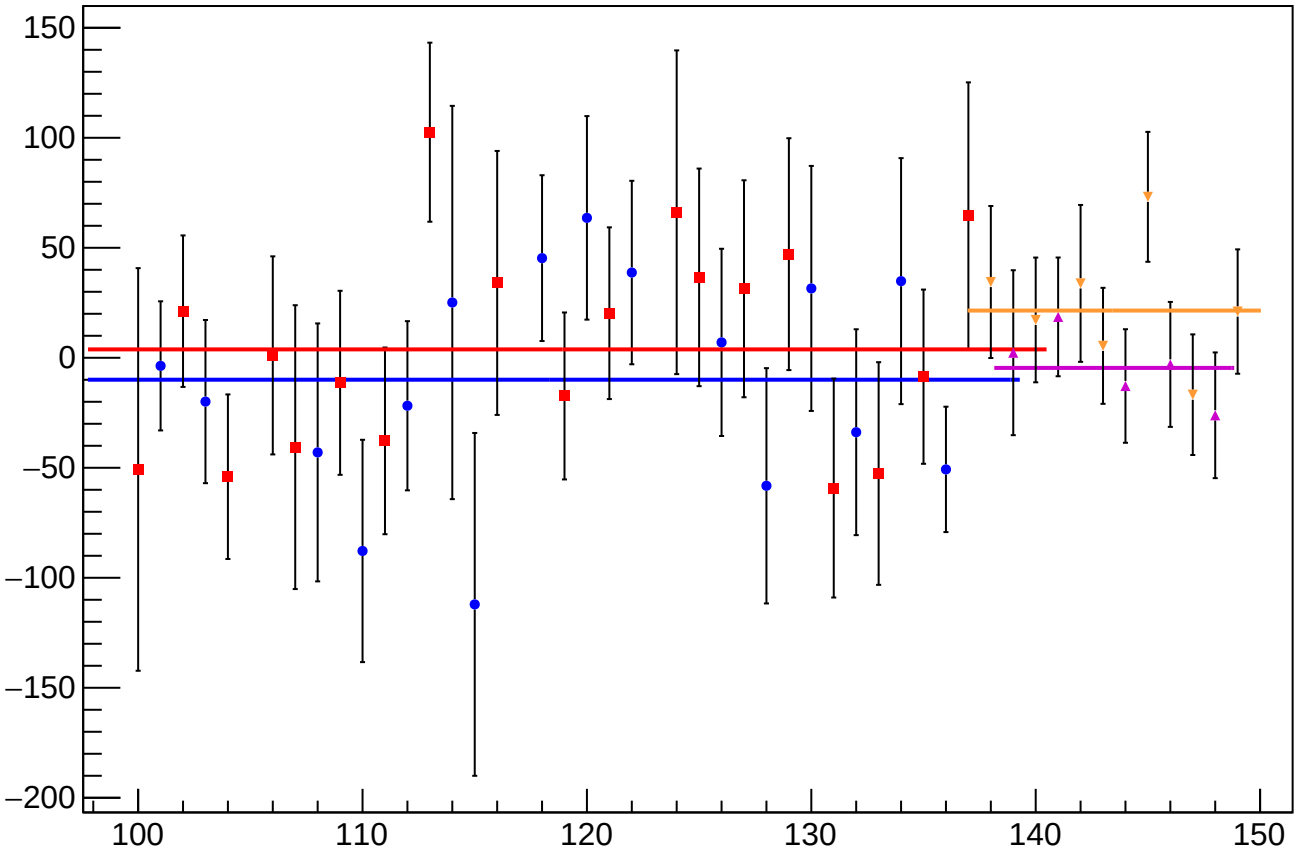
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 281.789+/-0.109 χ^2/NDF:1680035.8/4

+ sign 341.642+/-0.072 χ^2/NDF: 1748545.1/22

All: 329.312+/-0.050 χ^2/NDF: 4246045.3/46

- 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: 21.473+/-11.156 χ^2/NDF:5.7/6

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

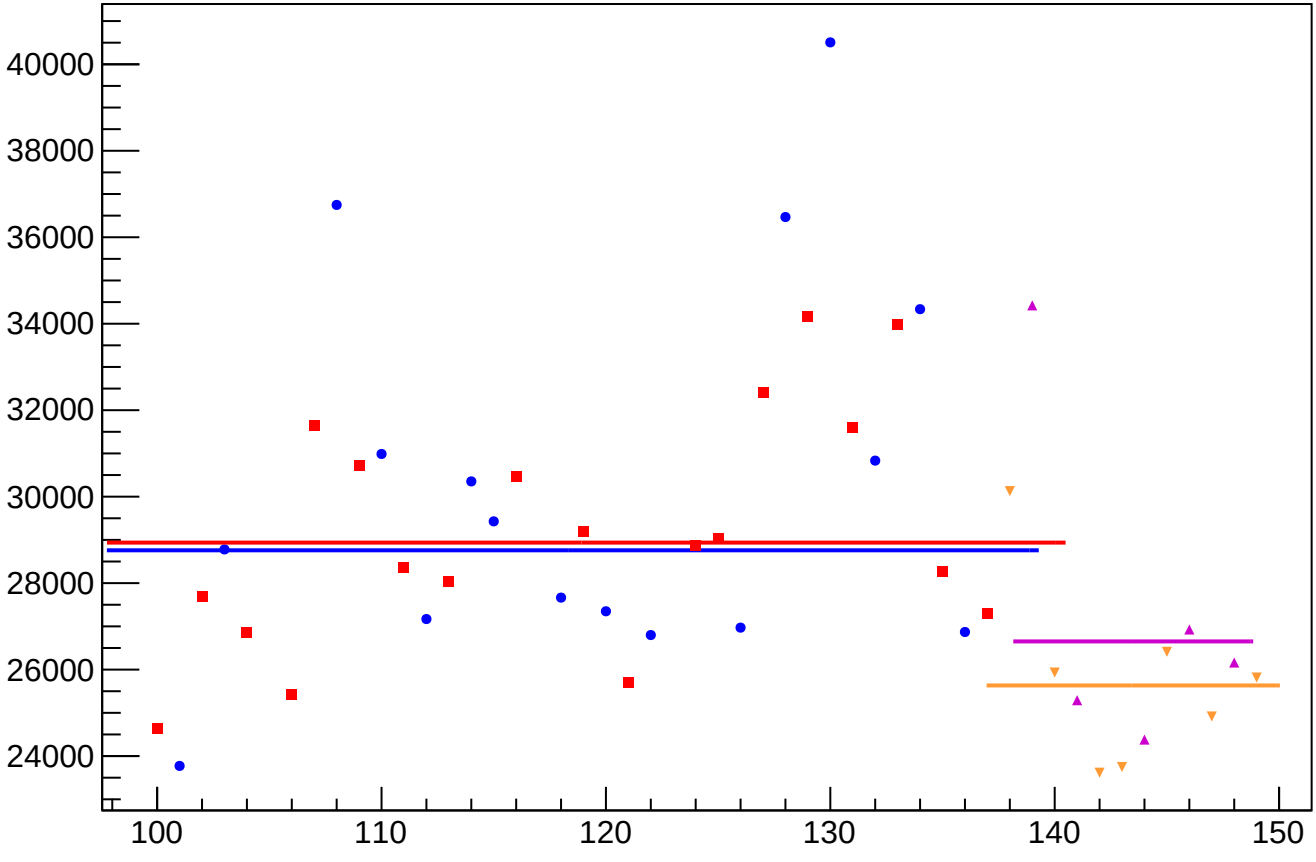
Left In: -4.602+/-12.856 χ^2/NDF:1.4/4

\+ sign 5.296+/-7.773 χ^2/NDF: 25.0/22

All: 2.974+/-5.640 χ^2/NDF: 44.2/46

\- sign 0.394+/-8.195 χ^2/NDF: 19.0/23

diff_bpmE_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25633.497+/-7.888 χ^2/NDF:53566.3/6

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

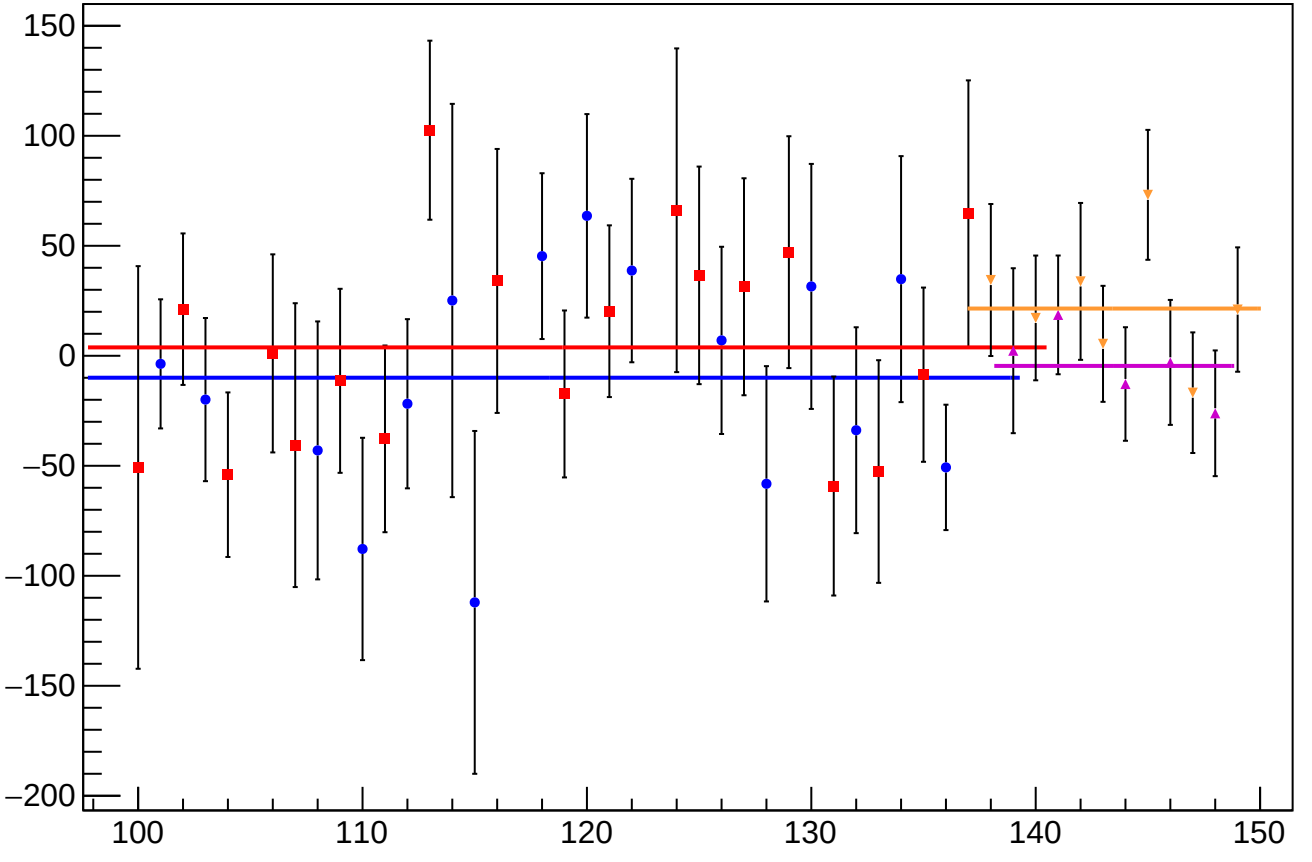
Left In: 26651.955+/-9.091 χ^2/NDF:107305.6/4

+ sign 27241.659+/-5.496 χ^2/NDF: 411987.6/22

All: 27604.980+/-3.988 χ^2/NDF: 672316.8/46

- 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: 21.473+/-11.156 χ^2/NDF:5.7/6

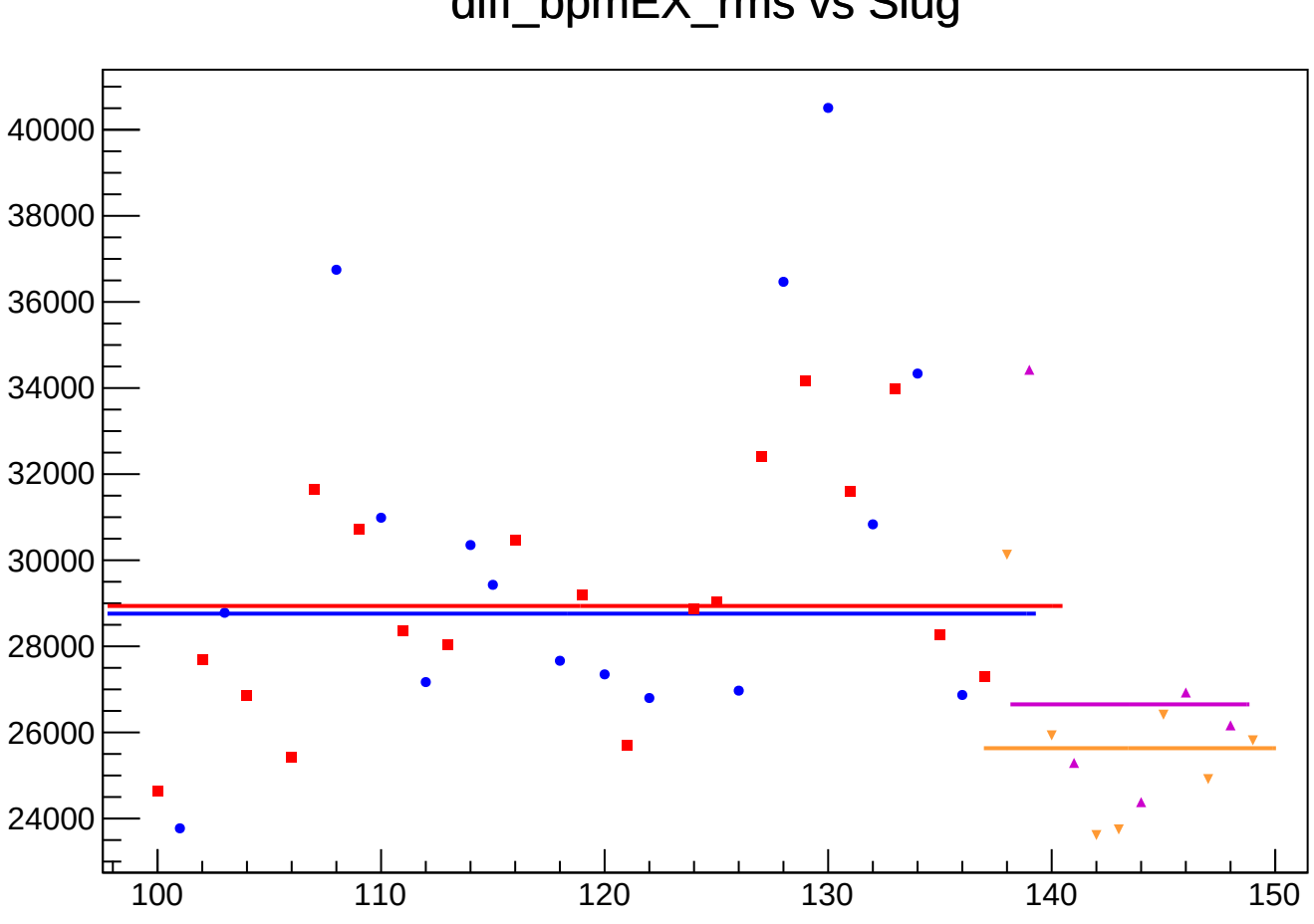
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -4.602+/-12.856 χ^2/NDF:1.4/4

+ sign 5.296+/-7.773 χ^2/NDF: 25.0/22

All: 2.974+/-5.640 χ^2/NDF: 44.2/46

- 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: 25633.497+/-7.888 χ^2/NDF:53566.3/6

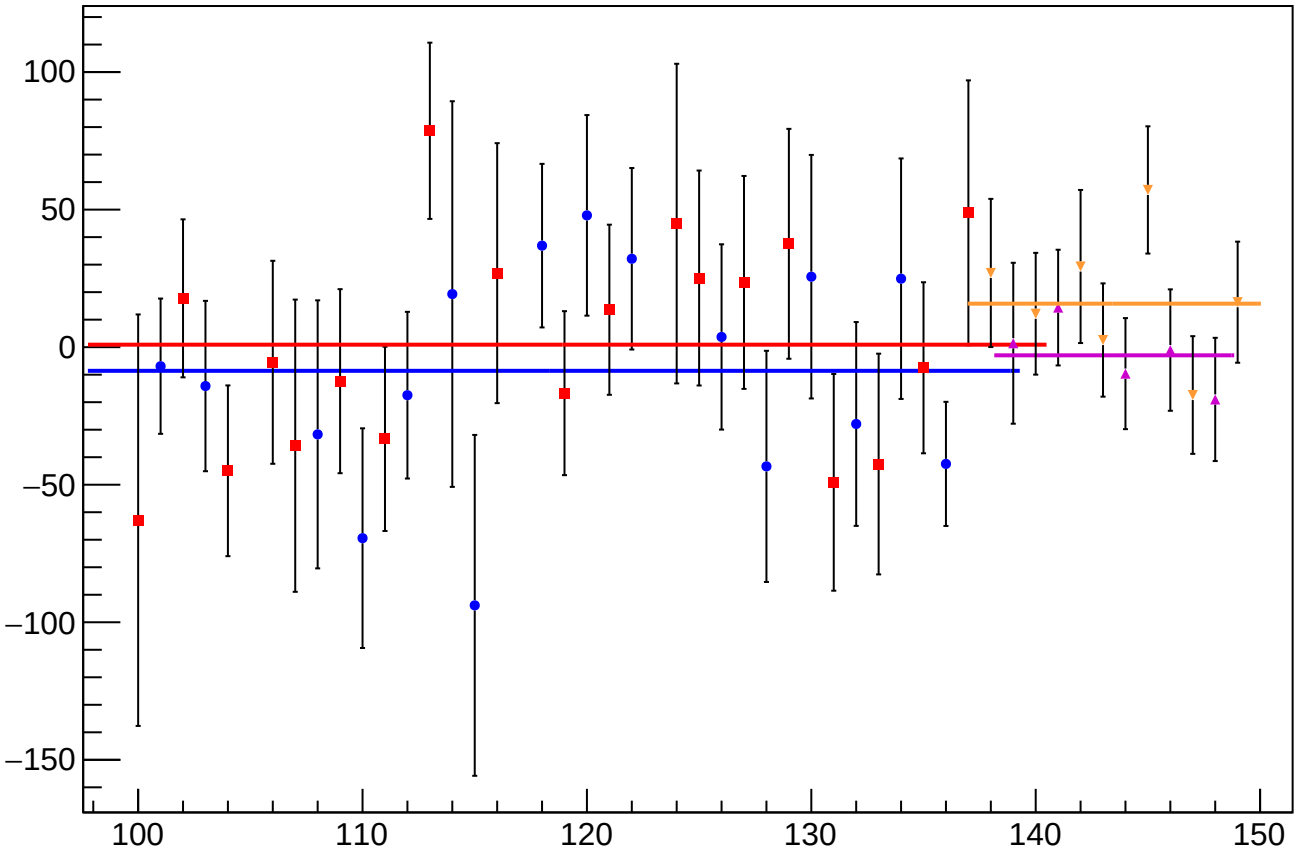
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26651.955+/-9.091 χ^2/NDF:107305.6/4

+ sign 27241.659+/-5.496 χ^2/NDF: 411987.6/22

All: 27604.980+/-3.988 χ^2/NDF: 672316.8/46

- sign 28008.848+/-5.795 χ^2/NDF: 251102.1/23



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 15.813+/-8.707 χ^2/NDF:6.5/6

Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

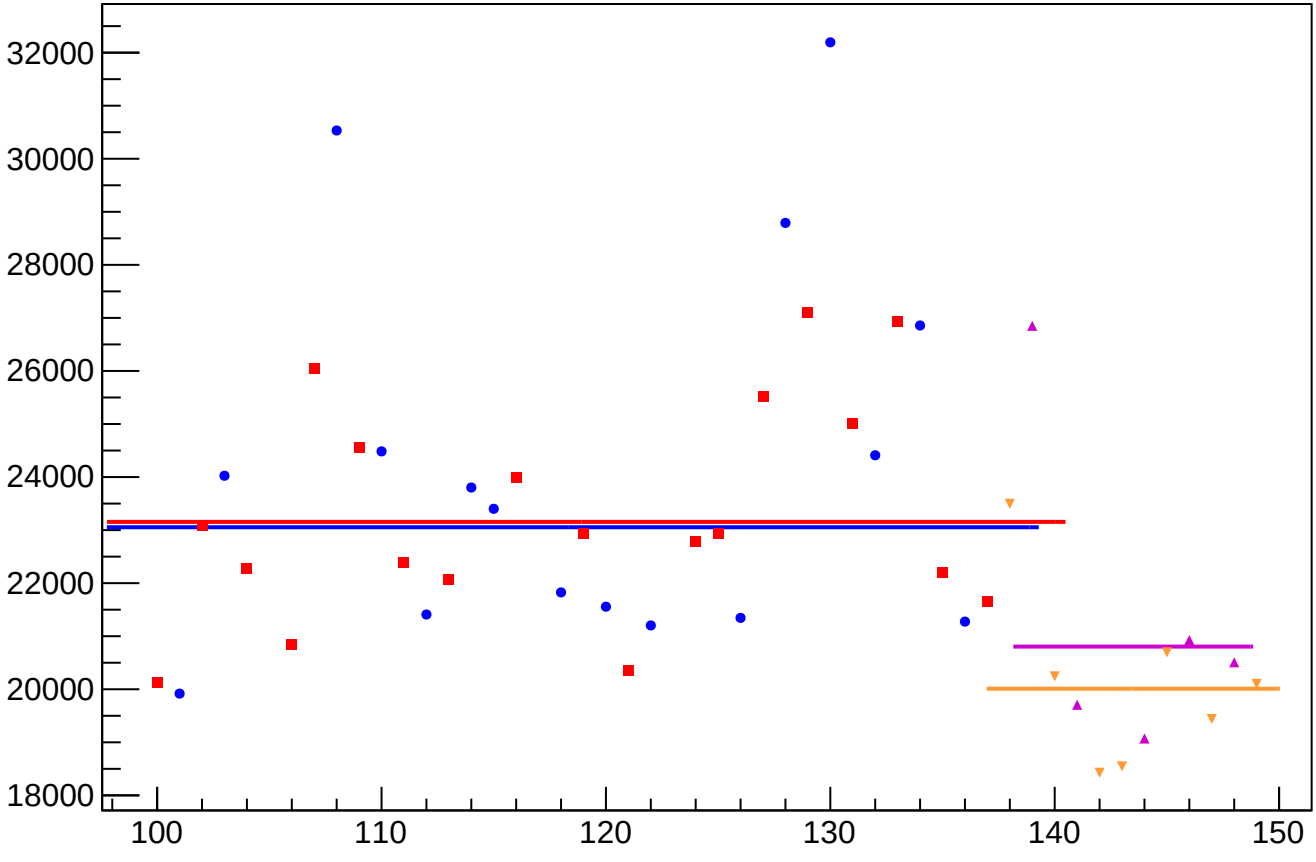
Left In: -2.964+/-10.035 χ^2/NDF:1.3/4

+ sign 3.567+/-6.147 χ^2/NDF: 25.9/22

All: 1.542+/-4.462 χ^2/NDF: 45.2/46

- sign -0.713+/-6.488 χ^2/NDF: 19.0/23

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 20010.334+/-6.157 χ^2/NDF:53512.1/6

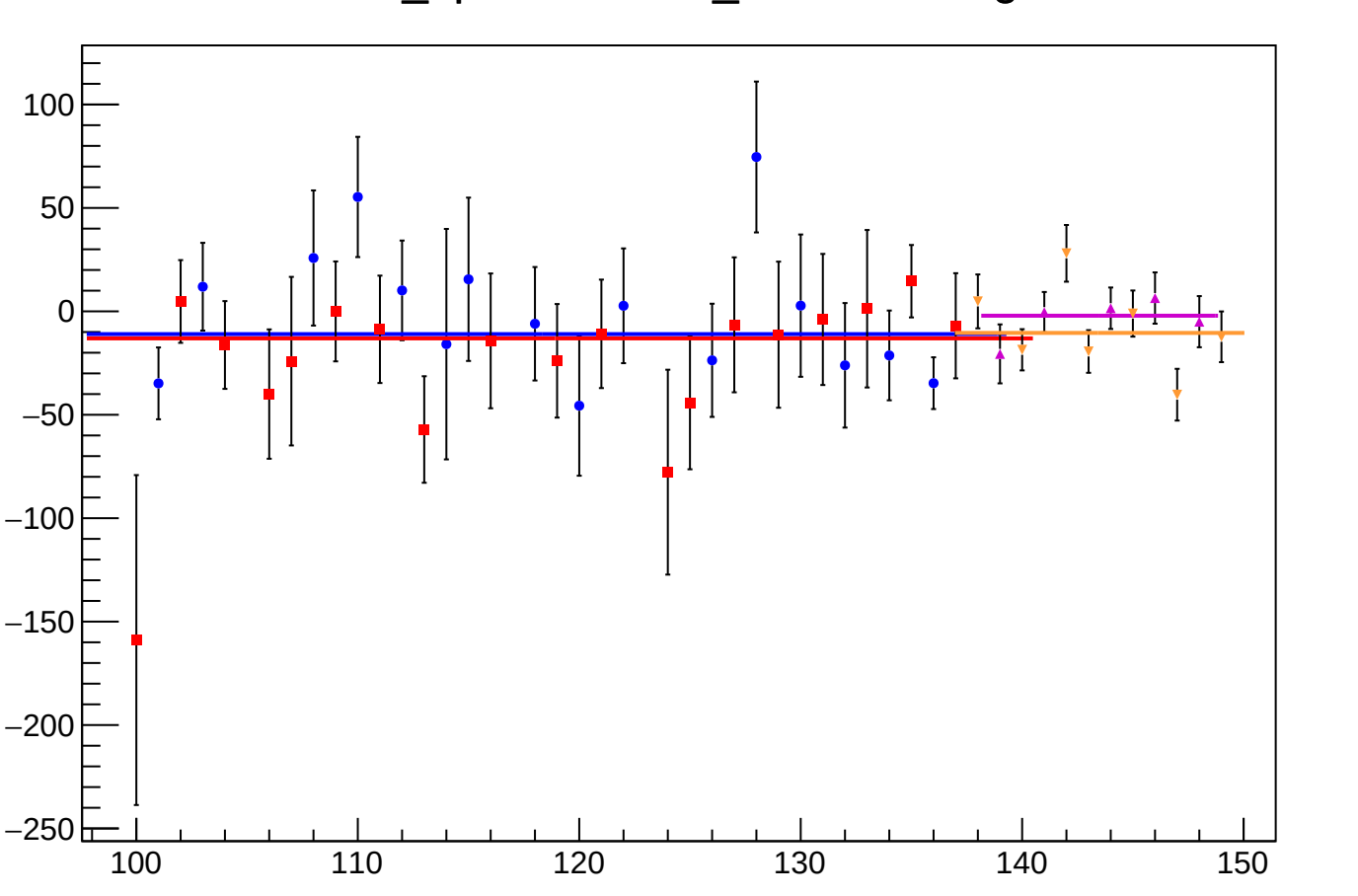
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 20804.367+/-7.096 χ^2/NDF:106033.3/4

+ sign 21537.162+/-4.346 χ^2/NDF: 437544.3/22

All: 21837.588+/-3.155 χ^2/NDF: 711448.6/46

- sign 22172.350+/-4.588 χ^2/NDF: 263802.9/23



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -10.426+/-4.394 χ^2/NDF:17.1/6

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

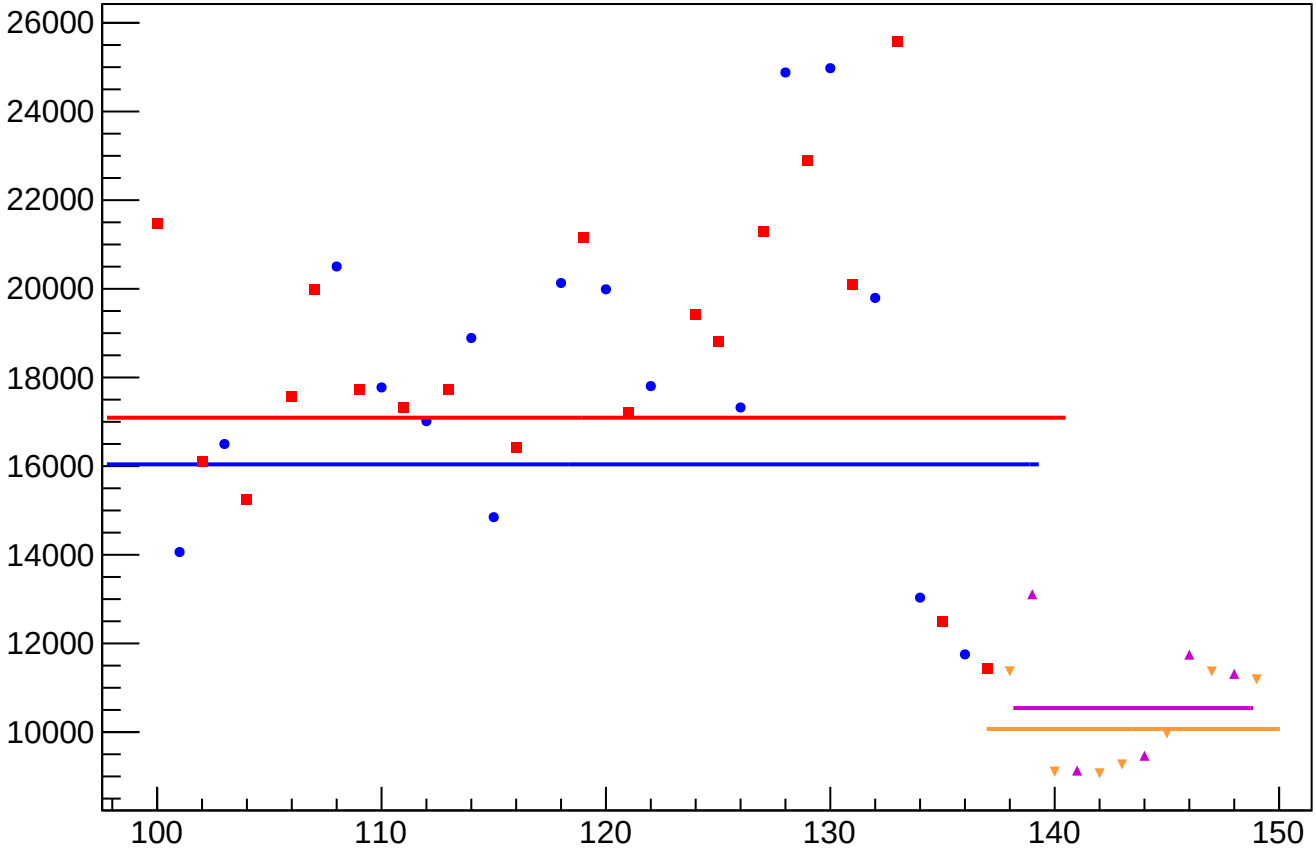
Left In: -2.106+/-5.100 χ^2/NDF:2.4/4

+ sign -10.620+/-3.576 χ^2/NDF: 39.1/22

All: -8.728+/-2.661 χ^2/NDF: 57.8/46

- 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: 10071.104+/-3.107 χ^2/NDF:99717.0/6

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

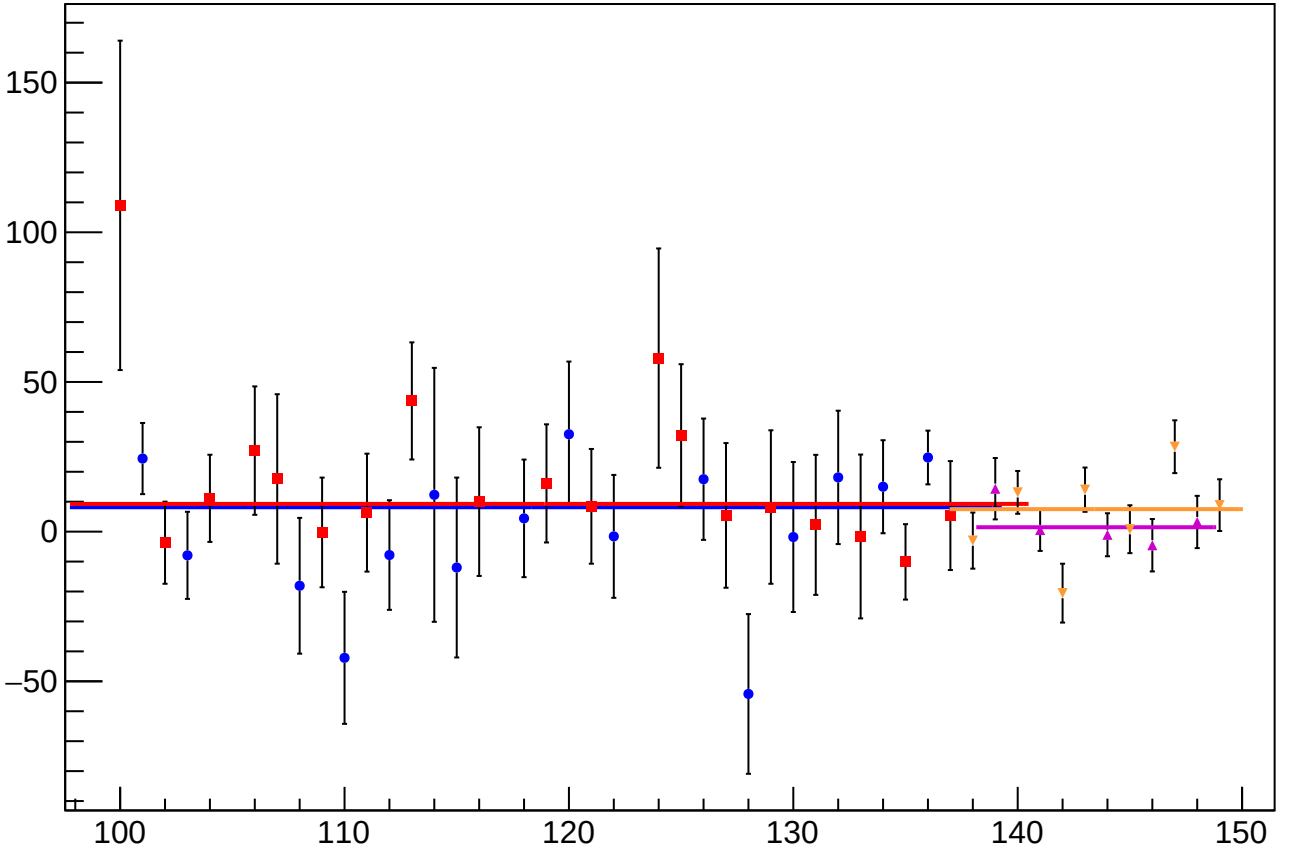
Left In: 10542.227+/-3.606 χ^2/NDF:156477.1/4

\+ sign 12086.196+/-2.529 χ^2/NDF: 2068364.0/22

All: 12536.435+/-1.882 χ^2/NDF: 4117158.1/4

\- 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: 7.513+/-3.139 χ^2/NDF:17.1/6

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

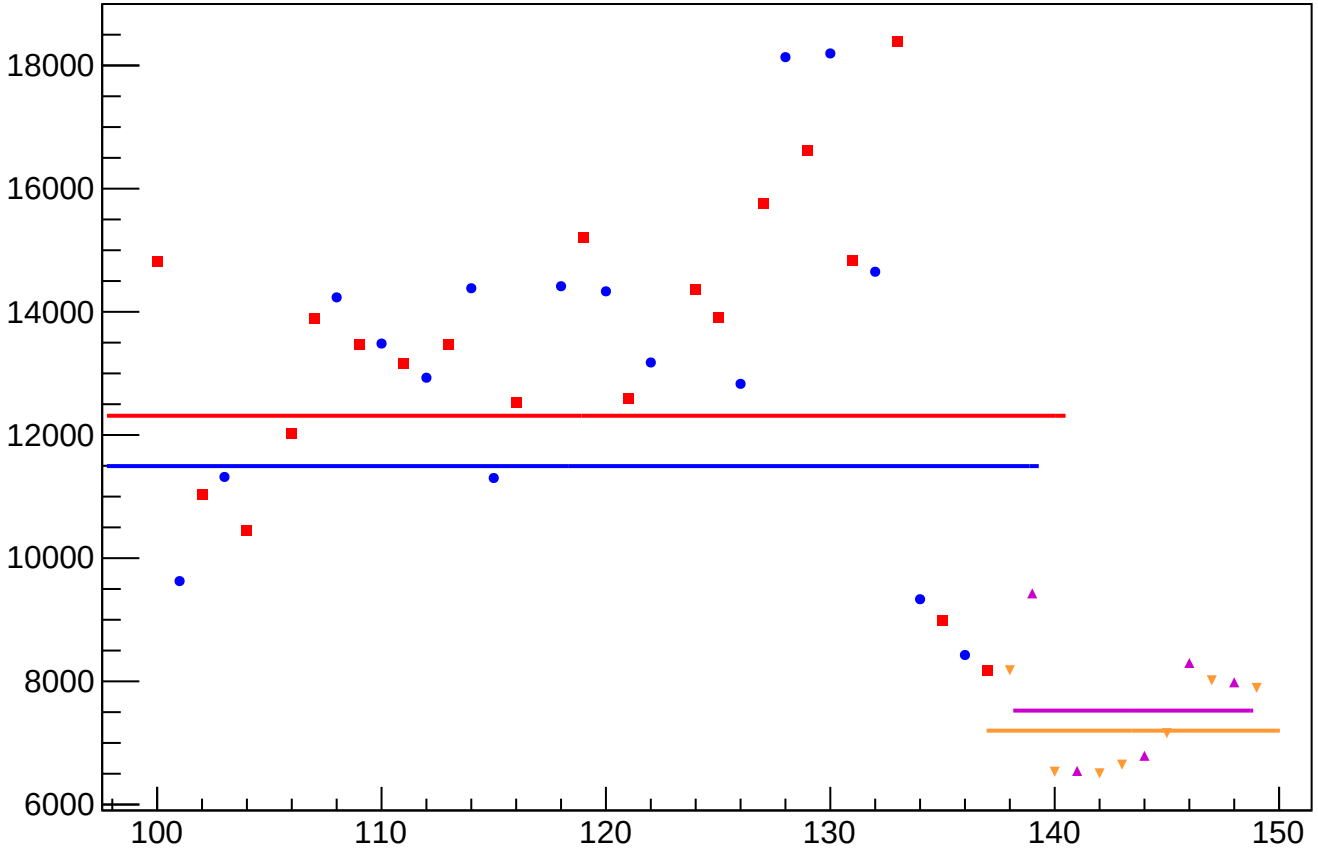
Left In: 1.465+/-3.639 χ^2/NDF:2.2/4

+ sign 7.726+/-2.560 χ^2/NDF: 38.9/22

All: 6.273+/-1.906 χ^2/NDF: 57.5/46

- 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: 7199.486+/-2.220 χ^2/NDF:90508.9/6

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

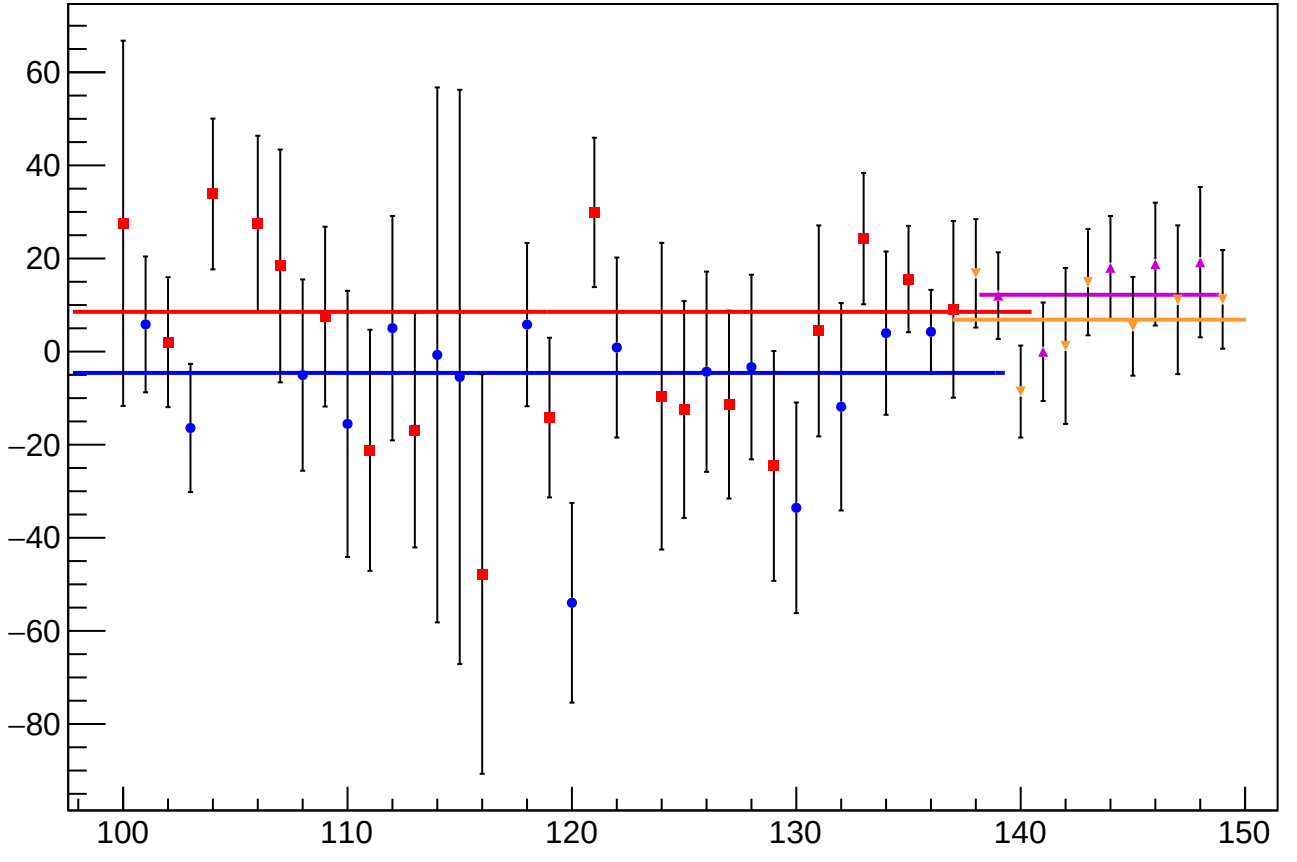
Left In: 7525.040+/-2.573 χ^2/NDF:150215.4/4

+ sign 8638.624+/-1.810 χ^2/NDF: 2134946.0/22

All: 8962.045+/-1.348 χ^2/NDF: 4285406.5/46

- 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: 6.856+/-4.447 χ^2/NDF:4.0/6

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

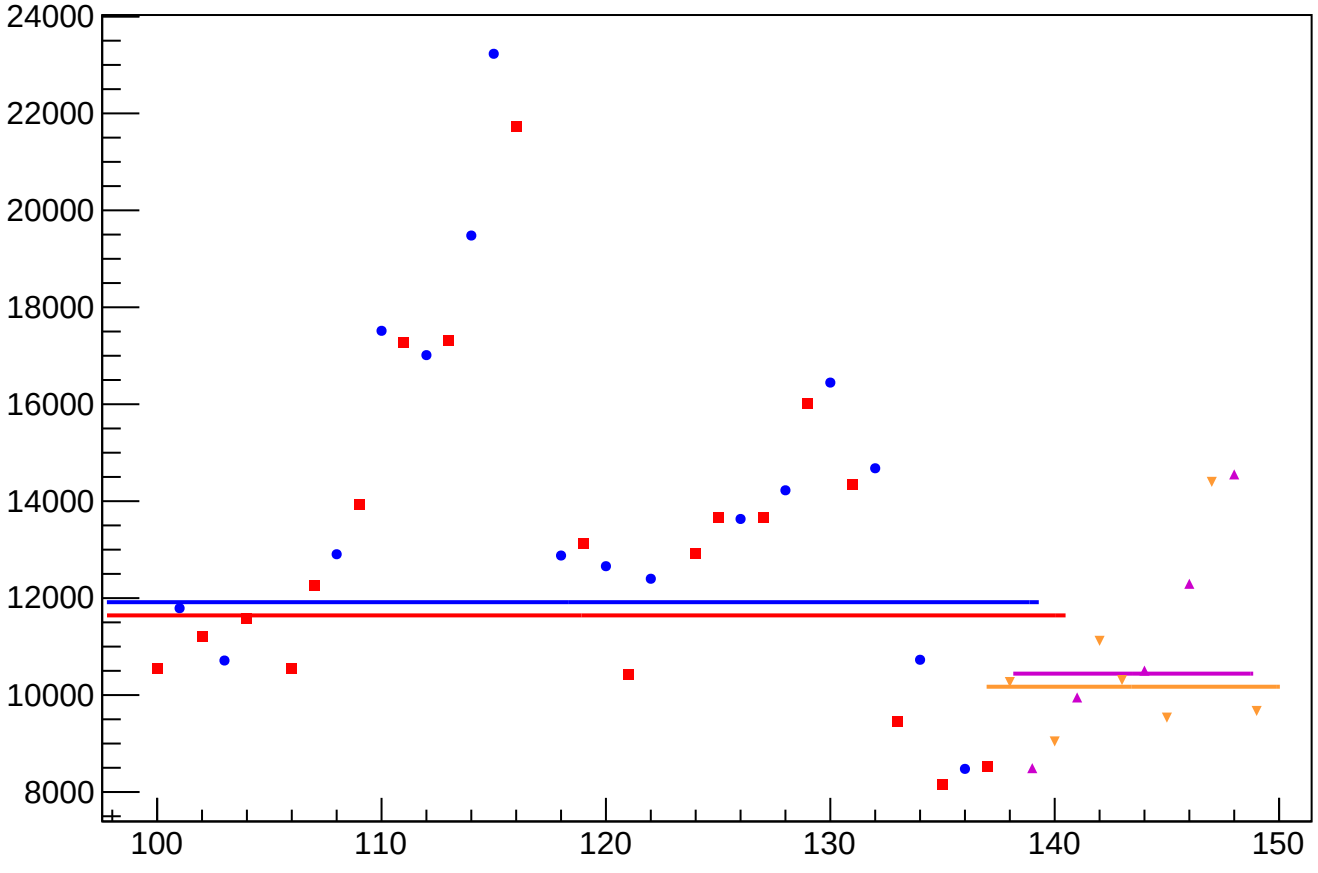
Left In: 12.207+/-5.120 χ^2/NDF:2.0/4

\+ sign 1.275+/-3.182 χ^2/NDF: 17.5/22

All: 5.478+/-2.302 χ^2/NDF: 40.7/46

\- sign 10.093+/-3.334 χ^2/NDF: 19.5/23

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10172.112+/-3.145 χ^2/NDF:184458.3/6

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

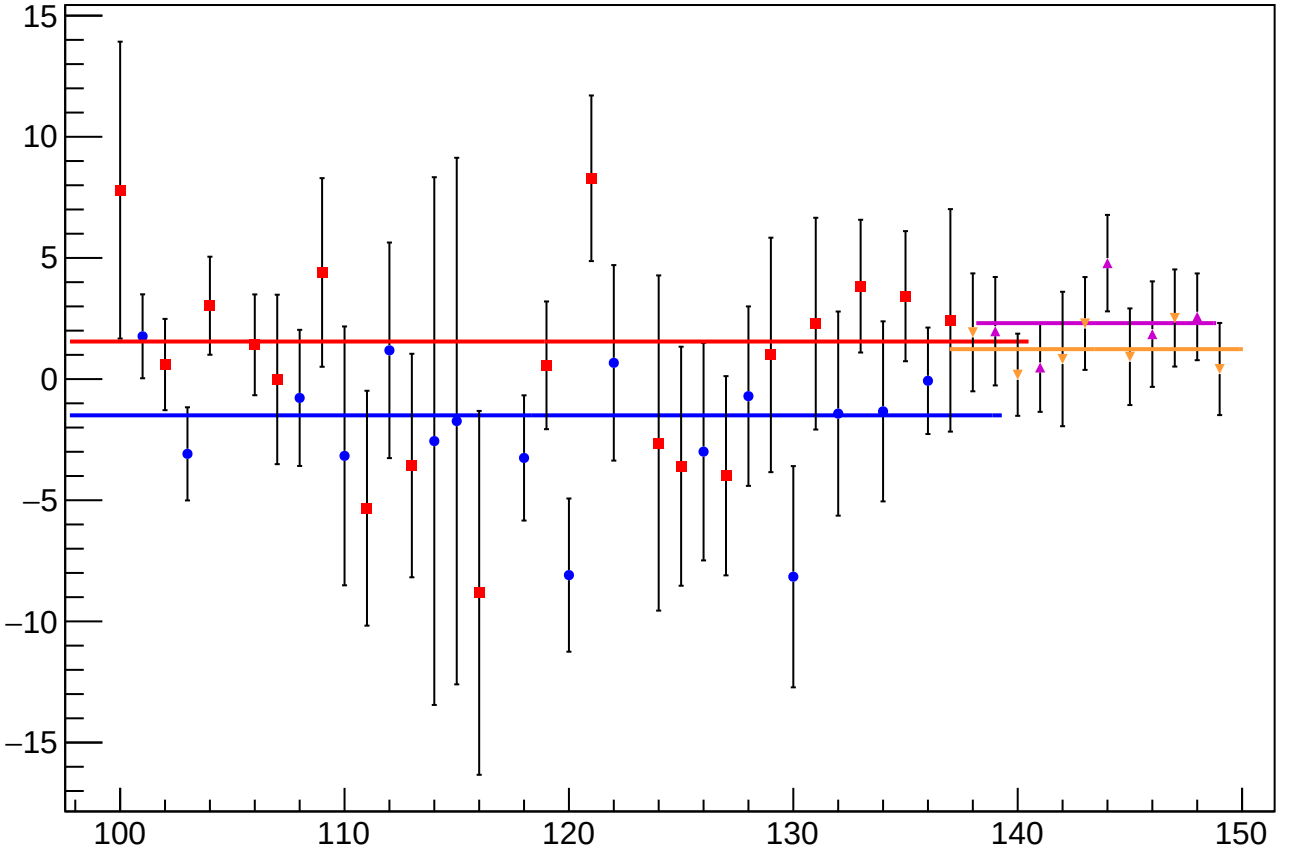
Left In: 10442.173+/-3.621 χ^2/NDF:261304.9/4

+ sign 11023.504+/-2.250 χ^2/NDF: 1084416.2/22

All: 11076.330+/-1.628 χ^2/NDF: 2200671.3/4

- 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: 1.236+/-0.768 χ^2/NDF:1.4/6

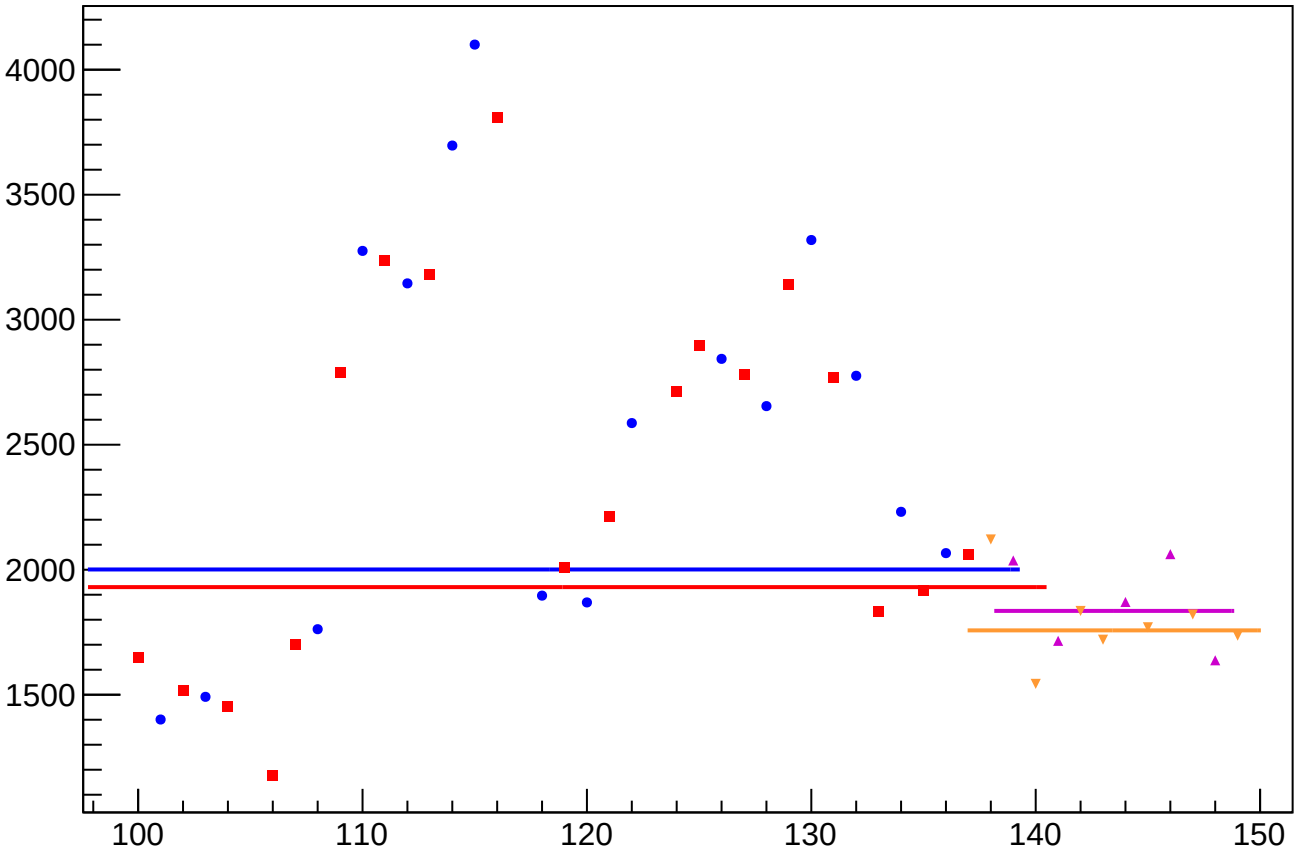
Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: 2.309+/-0.886 χ^2/NDF:2.6/4

+ sign -0.112+/-0.547 χ^2/NDF: 20.2/22

All: 0.835+/-0.395 χ^2/NDF: 45.8/46

- sign 1.864+/-0.570 χ^2/NDF: 19.3/23



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1757.365+/-0.543 χ^2/NDF:81179.6/6

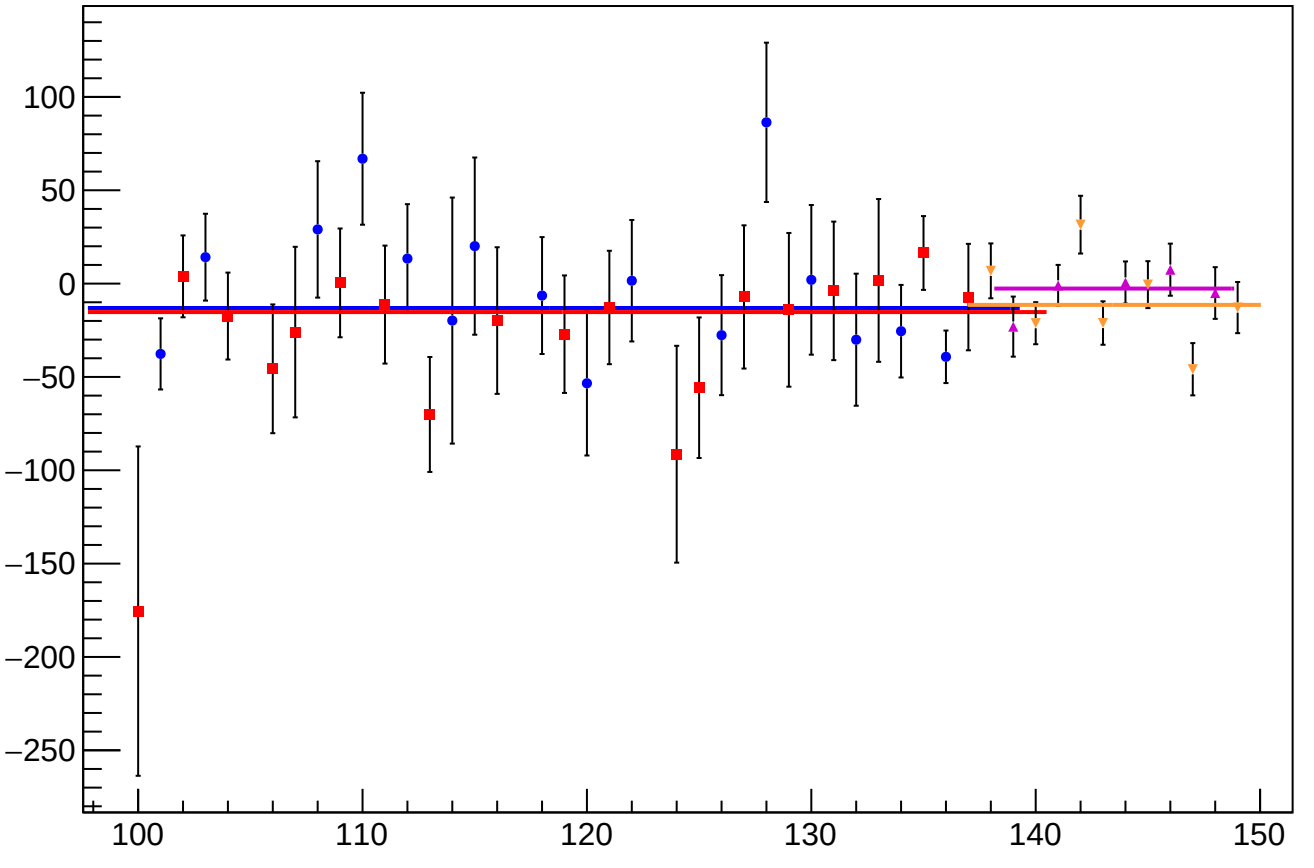
Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1835.282+/-0.627 χ^2/NDF:71529.7/4

+ sign 1877.551+/-0.387 χ^2/NDF: 1370281.1/22

All: 1884.029+/-0.279 χ^2/NDF: 2859462.2/46

- sign 1891.075+/-0.403 χ^2/NDF: 1488594.6/23



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -11.400+/-4.949 χ^2/NDF:17.5/6

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

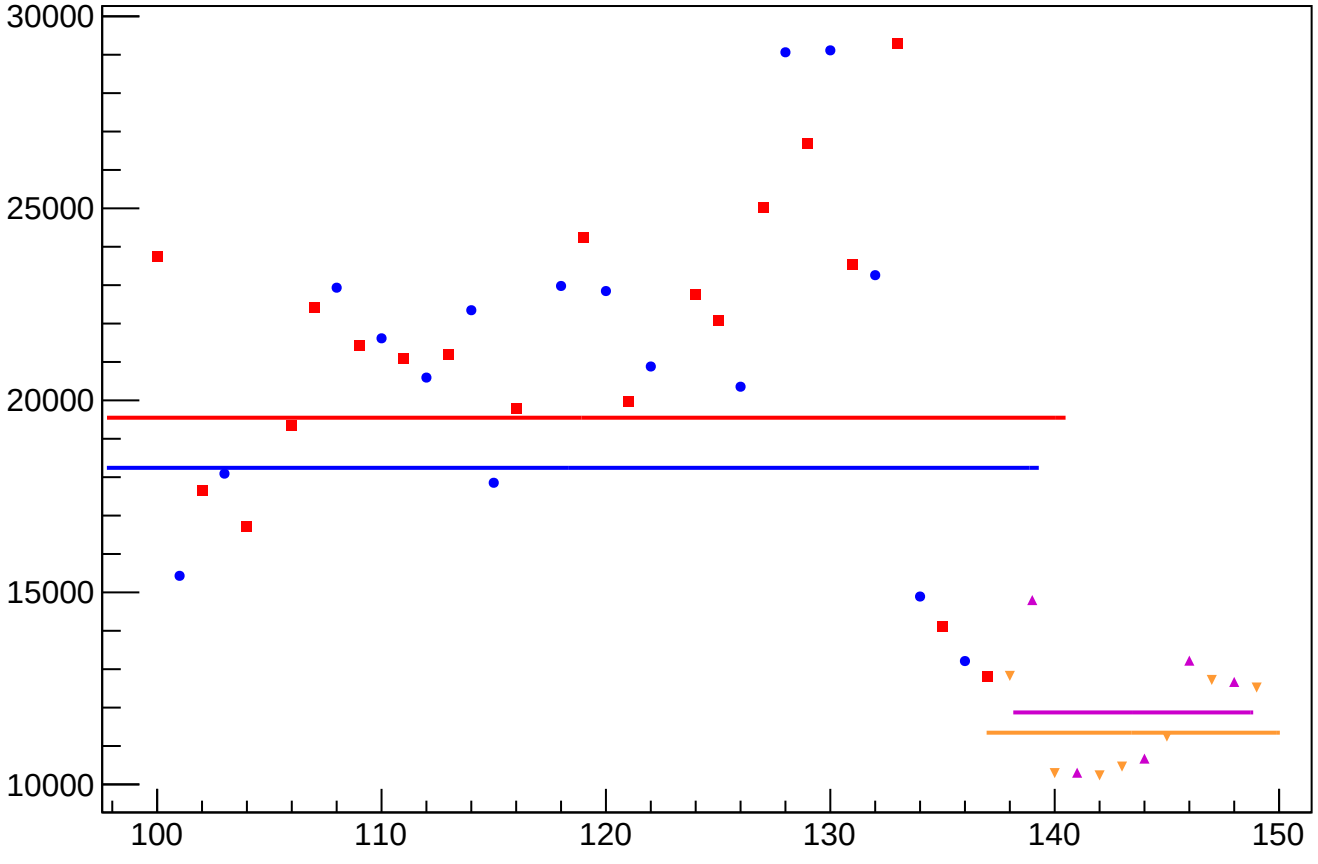
Left In: -2.658+/-5.744 χ^2/NDF:2.3/4

+ sign -11.952+/-4.046 χ^2/NDF: 39.4/22

All: -9.952+/-3.014 χ^2/NDF: 58.4/46

- 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: 11346.765+/-3.499 χ^2/NDF:93658.5/6

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

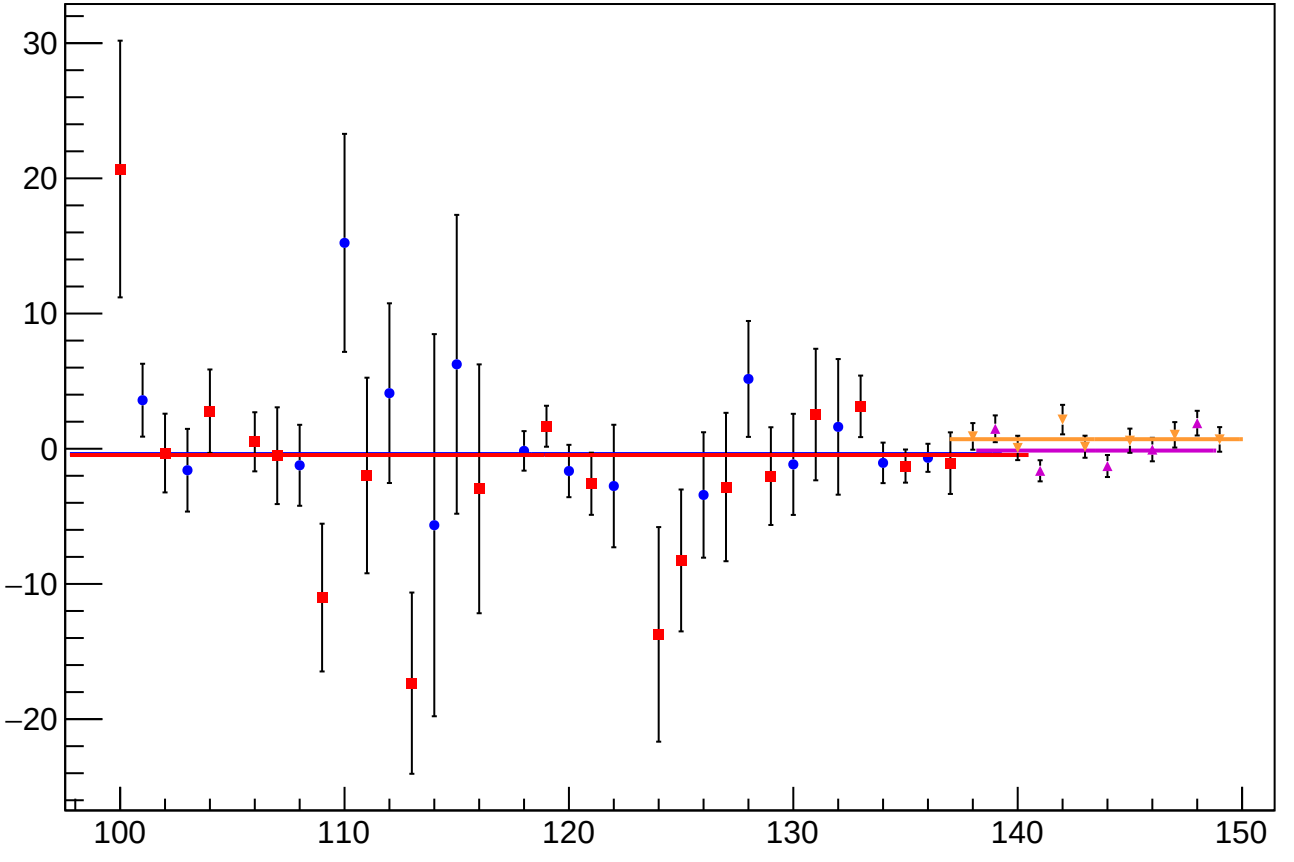
Left In: 11874.045+/-4.062 χ^2/NDF:154678.2/4

+ sign 13633.620+/-2.861 χ^2/NDF: 2201364.6/22

All: 14151.931+/-2.132 χ^2/NDF: 4411888.8/4

- 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: 0.706+/-0.349 χ^2/NDF:2.9/6

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

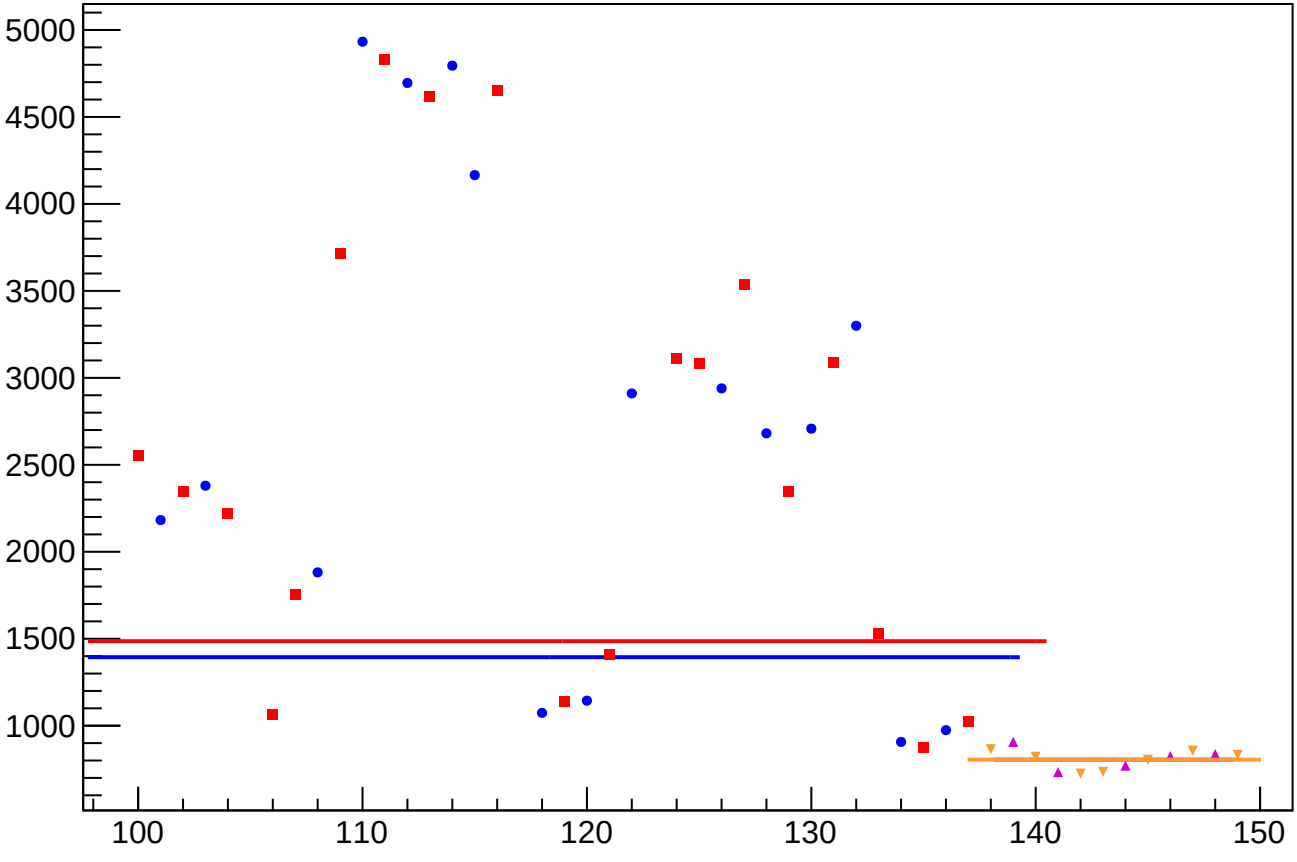
Left In: -0.135+/-0.387 χ^2/NDF:13.2/4

+ sign 0.427+/-0.302 χ^2/NDF: 15.8/22

All: 0.130+/-0.223 χ^2/NDF: 59.4/46

- 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: 804.900+/-0.247 χ^2/NDF:41098.7/6

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

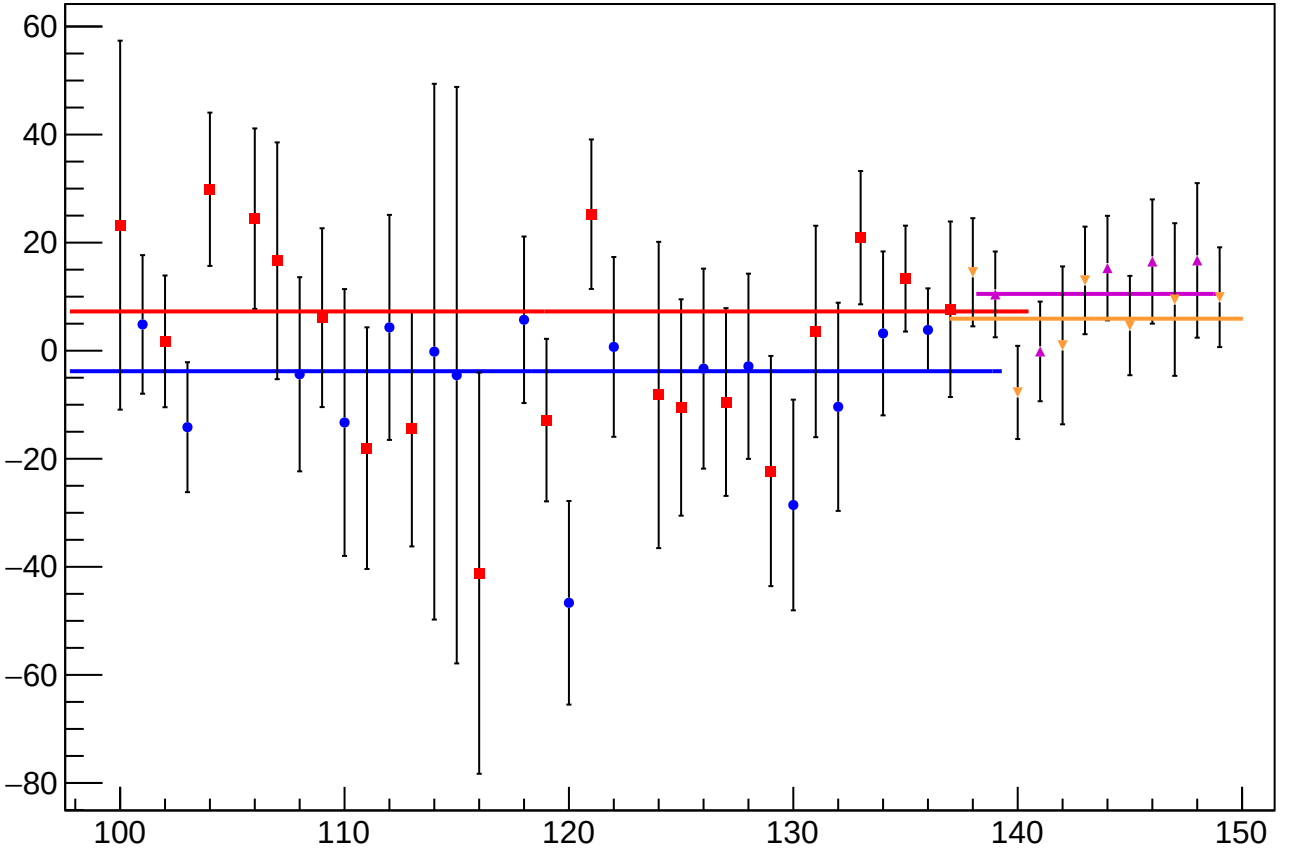
Left In: 804.847+/-0.273 χ^2/NDF:45164.0/4

+ sign 954.055+/-0.214 χ^2/NDF: 4860808.2/22

All: 970.208+/-0.158 χ^2/NDF: 10000577.5/46

- sign 989.501+/-0.233 χ^2/NDF: 5127213.4/23

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.925+/-3.870 χ^2/NDF:4.1/6

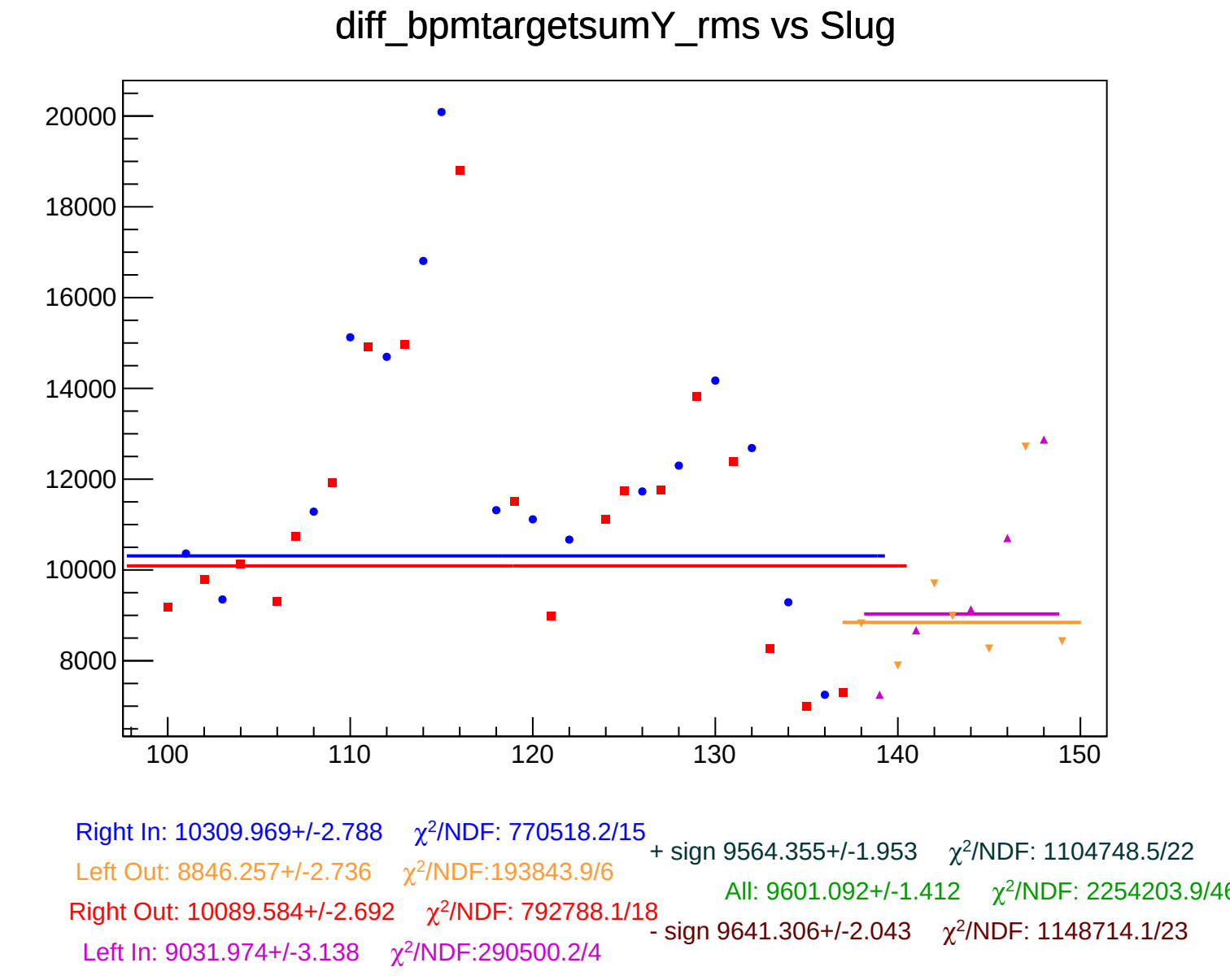
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: 10.512+/-4.438 χ^2/NDF:2.0/4

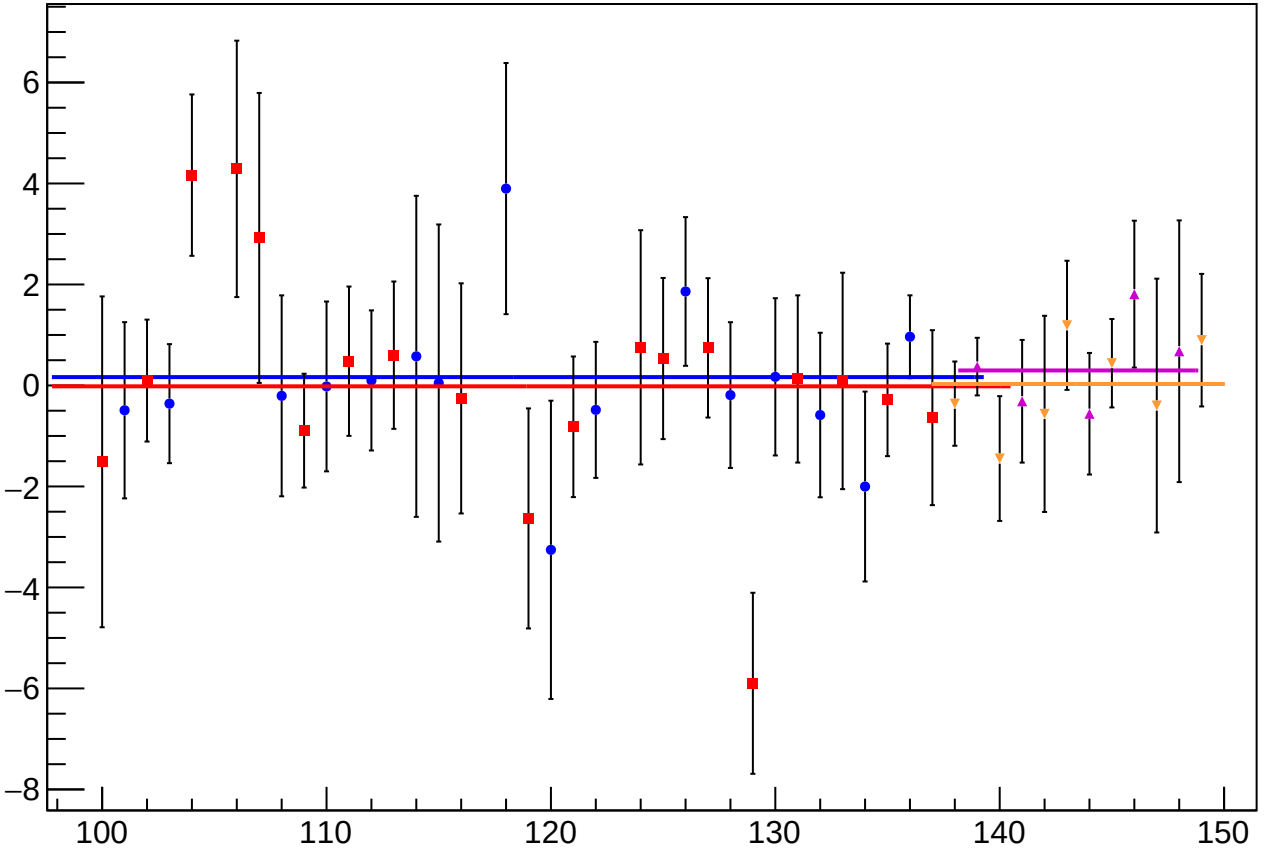
+ sign 1.157+/-2.762 χ^2/NDF: 17.3/22

All: 4.730+/-1.997 χ^2/NDF: 40.4/46

- sign 8.641+/-2.890 χ^2/NDF: 19.6/23


diff_bpmtargetsumY_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 8846.257+/-2.736 χ²/NDF:193843.9/6
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9031.974+/-3.138 χ²/NDF:290500.2/4
+ sign 9564.355+/-1.953 χ²/NDF: 1104748.5/22
All: 9601.092+/-1.412 χ²/NDF: 2254203.9/46
- sign 9641.306+/-2.043 χ²/NDF: 1148714.1/23

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: 0.029+/-0.447 χ^2/NDF:3.3/6

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

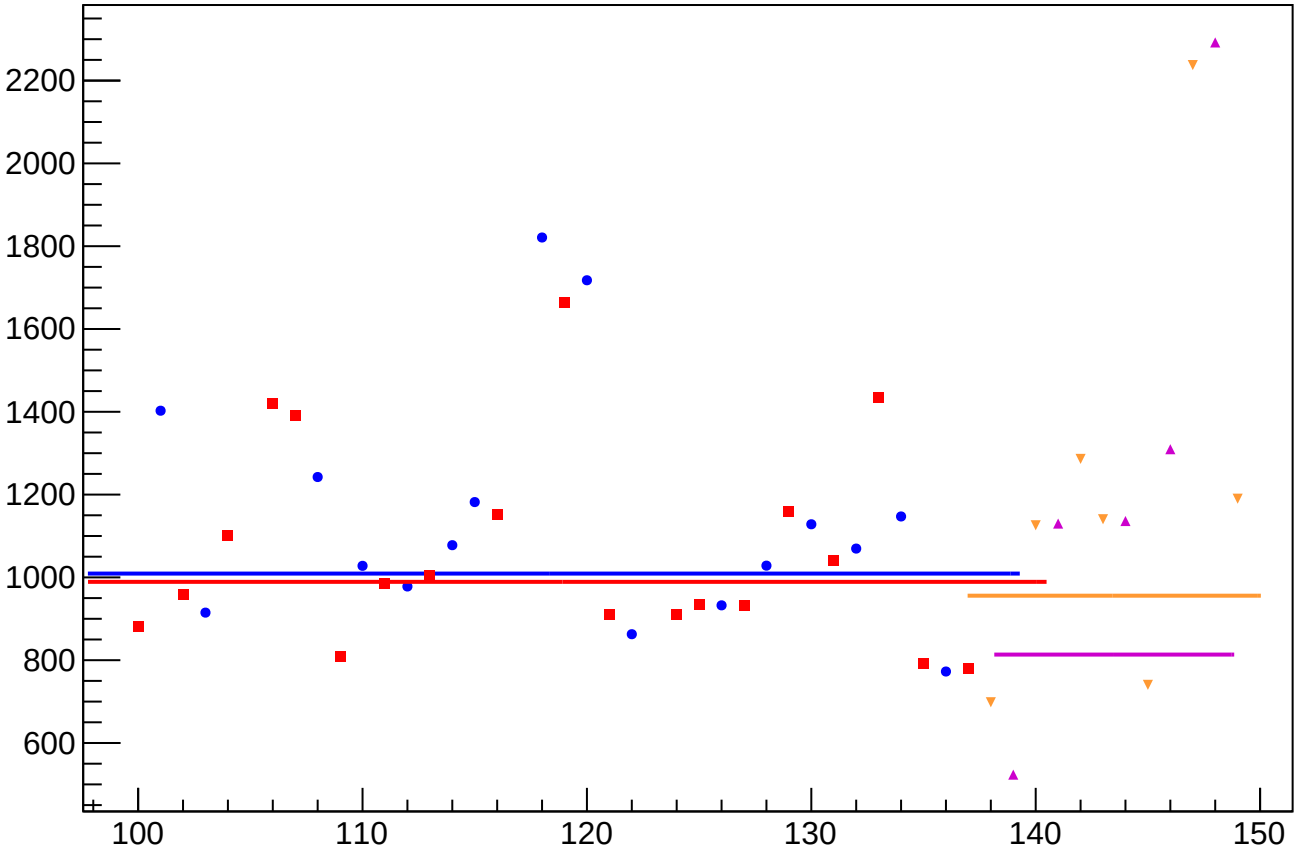
Left In: 0.297+/-0.444 χ^2/NDF:1.9/4

+ sign 0.107+/-0.292 χ^2/NDF: 11.4/22

All: 0.110+/-0.204 χ^2/NDF: 38.8/46

- 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: 955.801+/-0.316 χ^2/NDF:1032874.4/6

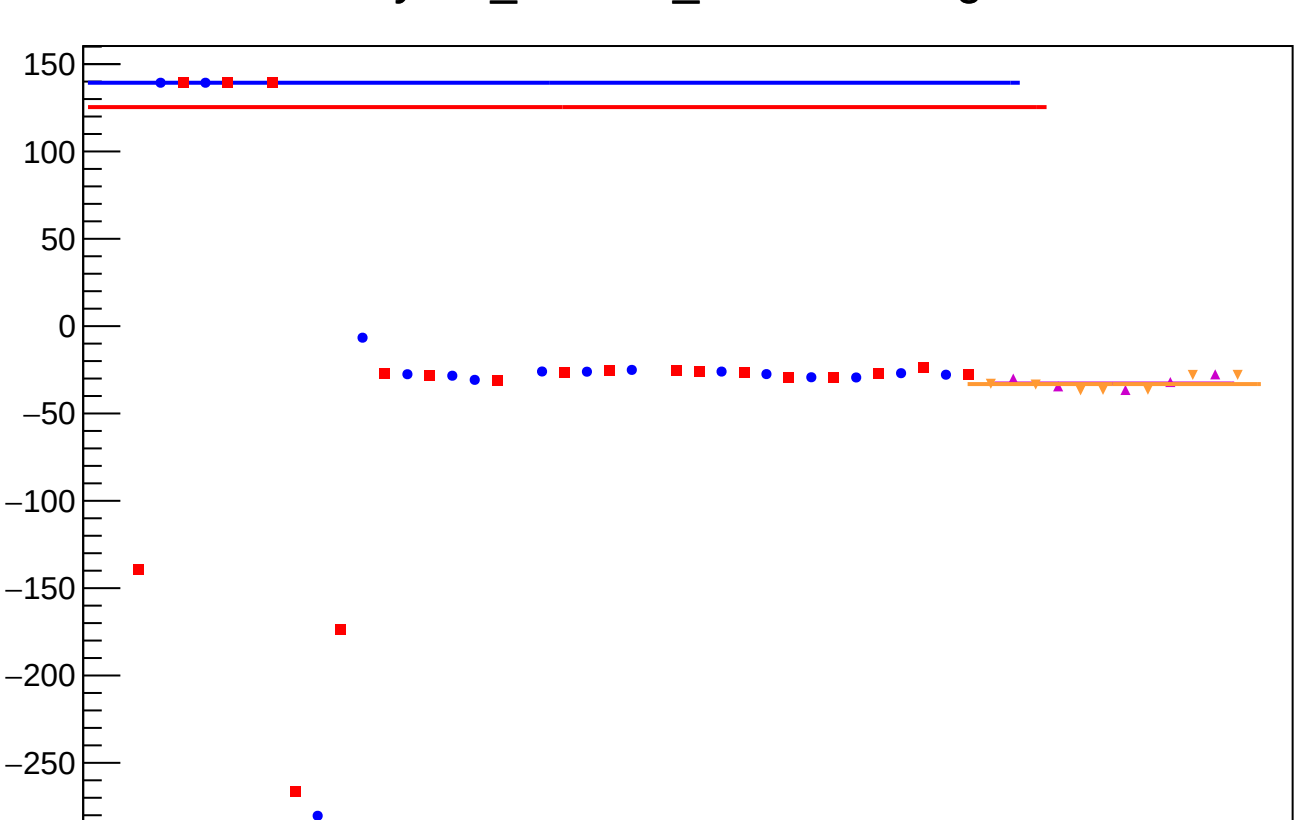
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 813.559+/-0.314 χ^2/NDF:1680035.8/4

+ sign 986.361+/-0.207 χ^2/NDF: 1748545.1/22

All: 950.762+/-0.144 χ^2/NDF: 4246045.3/46

- sign 916.809+/-0.202 χ^2/NDF: 2439496.5/23



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -33.168+/-0.001 χ^2/NDF:40944153.1/6

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

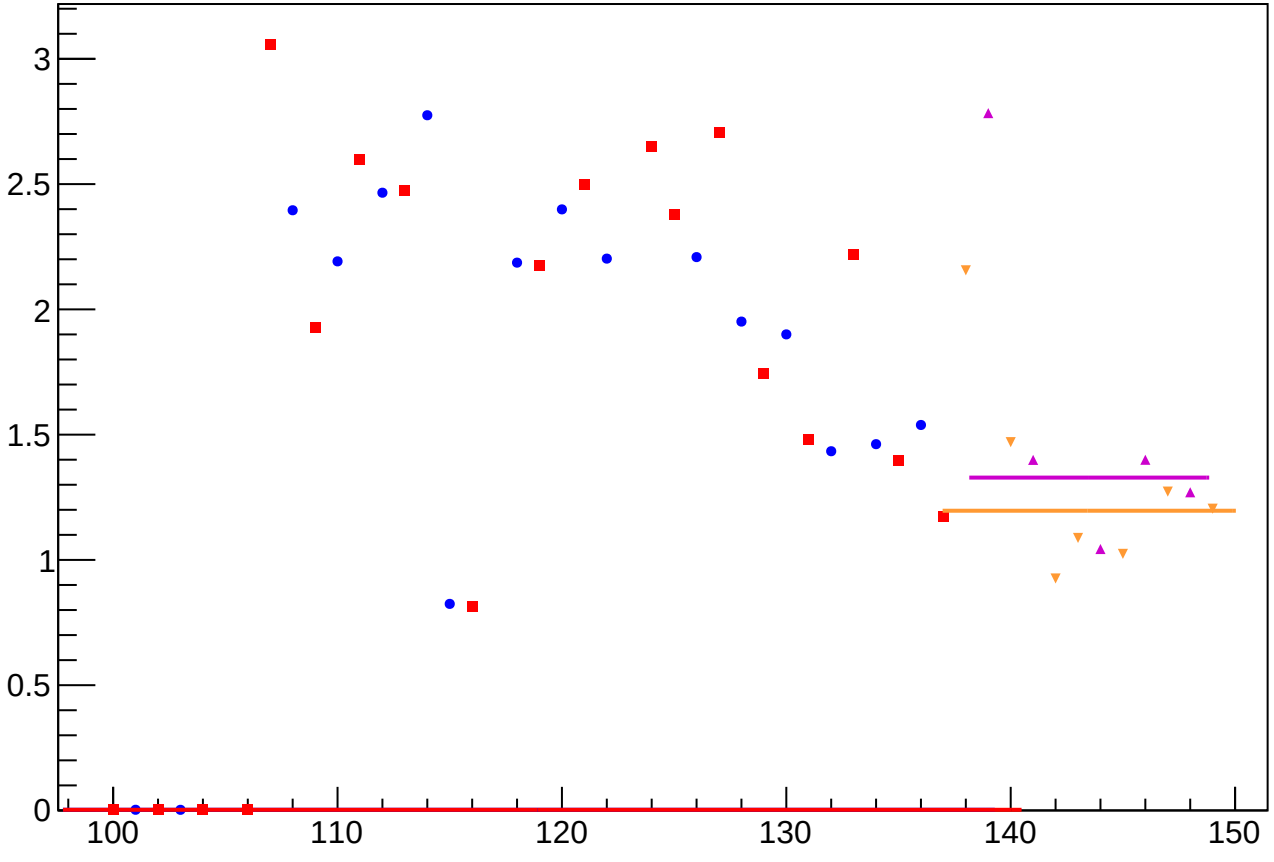
Left In: -32.828+/-0.001 χ^2/NDF:21925275.3/4

+ sign 139.334+/-0.000 χ^2/NDF: 127972832696.6/2

All: 131.816+/-0.000 χ^2/NDF: 79312828044

- 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: 1.196+/-0.000 χ^2/NDF:399367.9/6

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

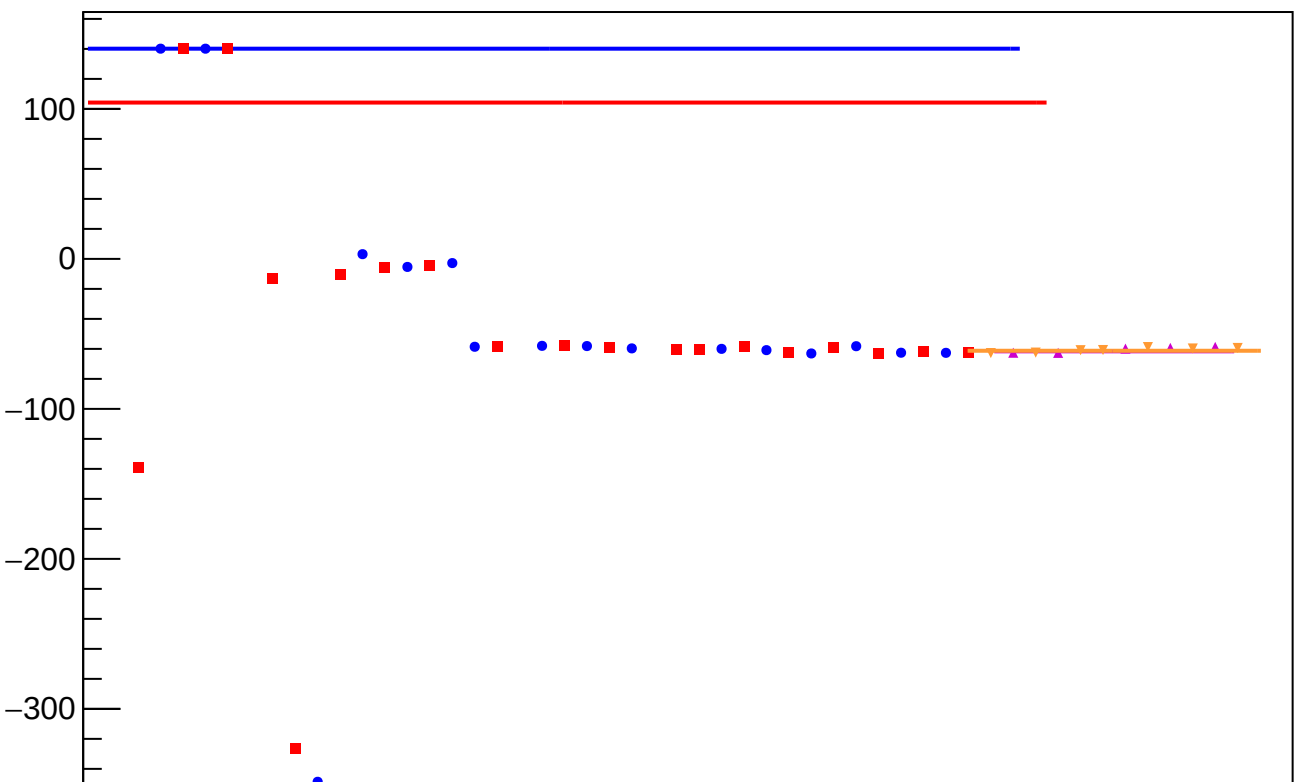
Left In: 1.329+/-0.001 χ^2/NDF:558562.0/4

+ sign 0.003+/-0.000 χ^2/NDF: 17706813.2/22

All: 0.003+/-0.000 χ^2/NDF: 34389884.0/46

- sign 0.003+/-0.000 χ^2/NDF: 16682800.2/23

yield_cav4bY_mean vs Slug



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -61.249+/-0.000 χ^2/NDF:18036337.1/6

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

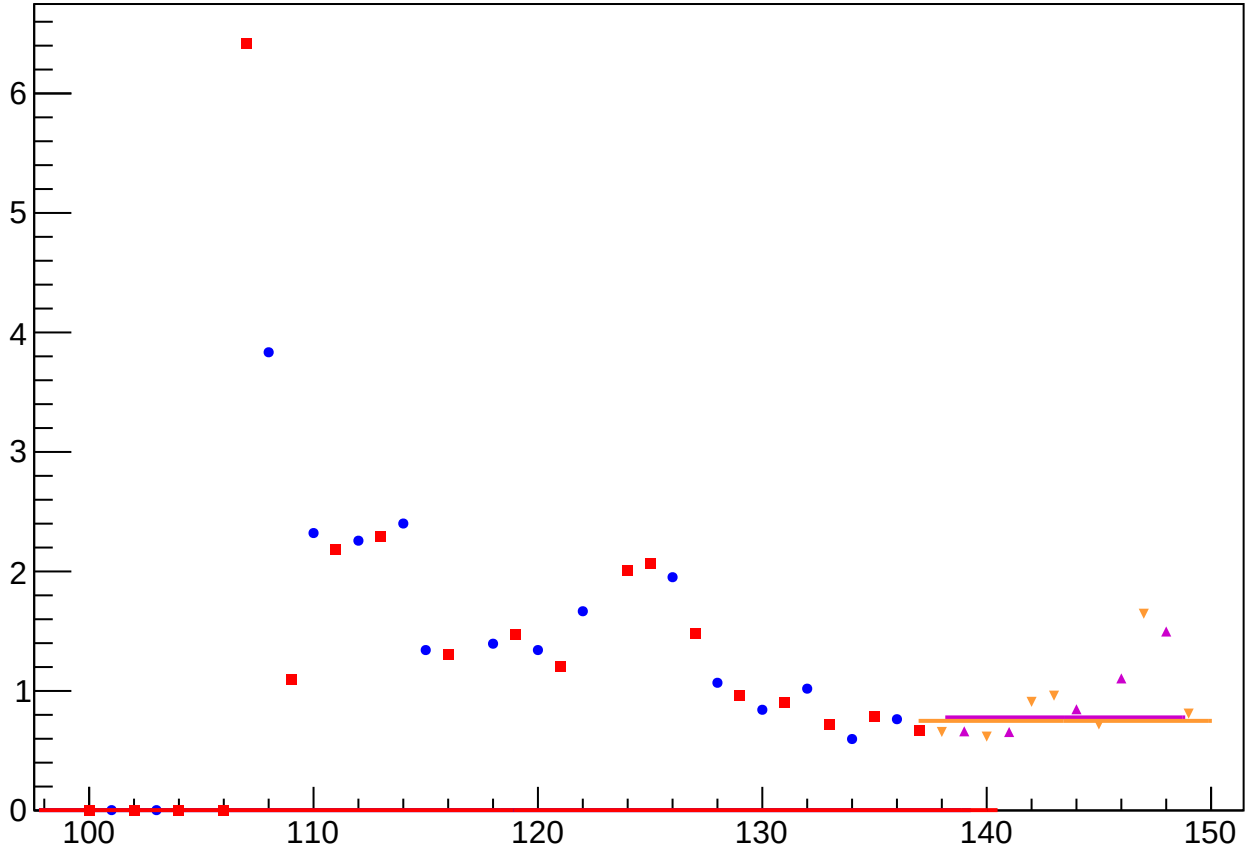
Left In: -61.641+/-0.000 χ^2/NDF:11955742.9/4

+ sign 140.136+/-0.000 χ^2/NDF: 473692787873.9/2

All: 120.826+/-0.000 χ^2/NDF: 13813131522

- 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: 0.750+/-0.000 χ^2/NDF:608792.2/6

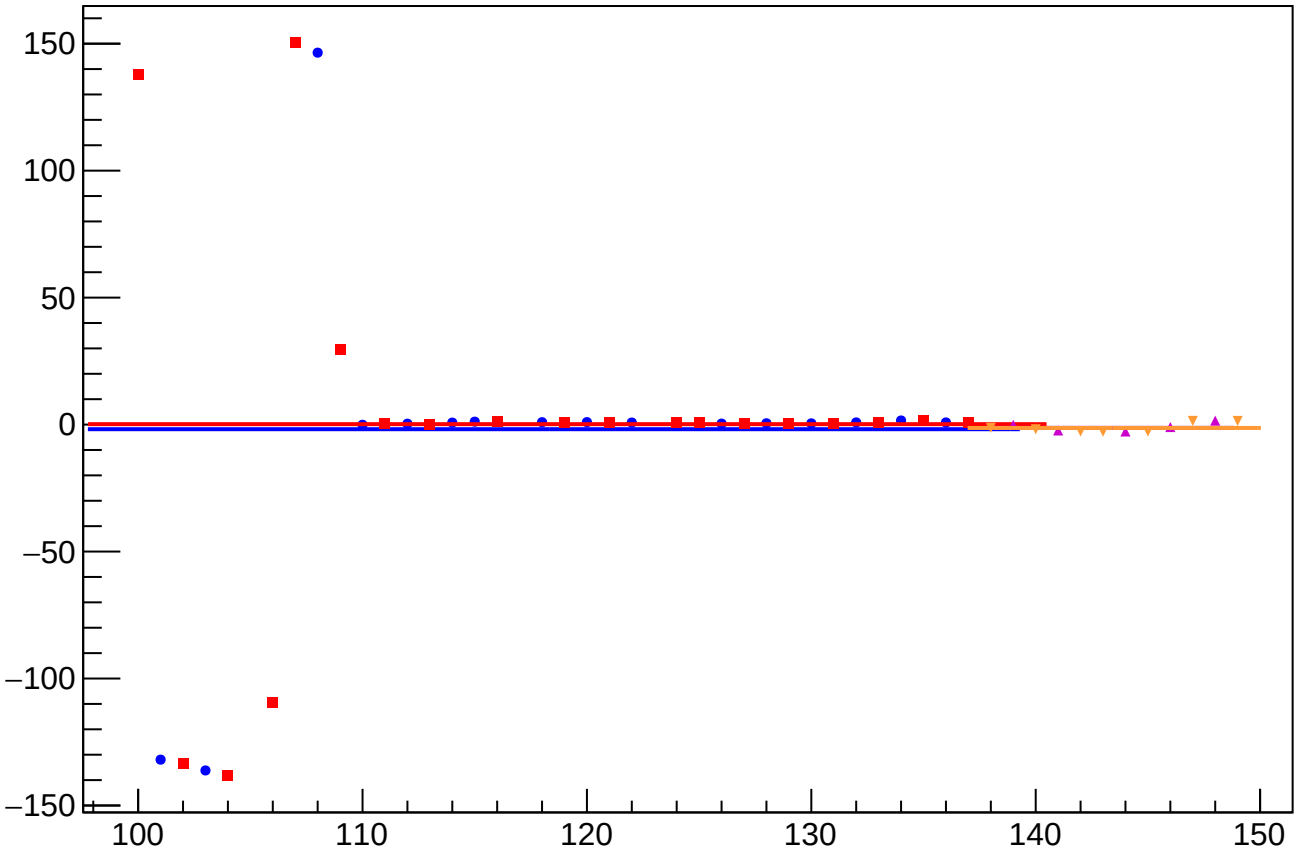
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.779+/-0.000 χ^2/NDF:551374.3/4

+ sign 0.003+/-0.000 χ^2/NDF: 19063638.7/22

All: 0.003+/-0.000 χ^2/NDF: 36516169.2/46

- 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: -1.322+/-0.000 χ^2/NDF:49522520.9/6

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

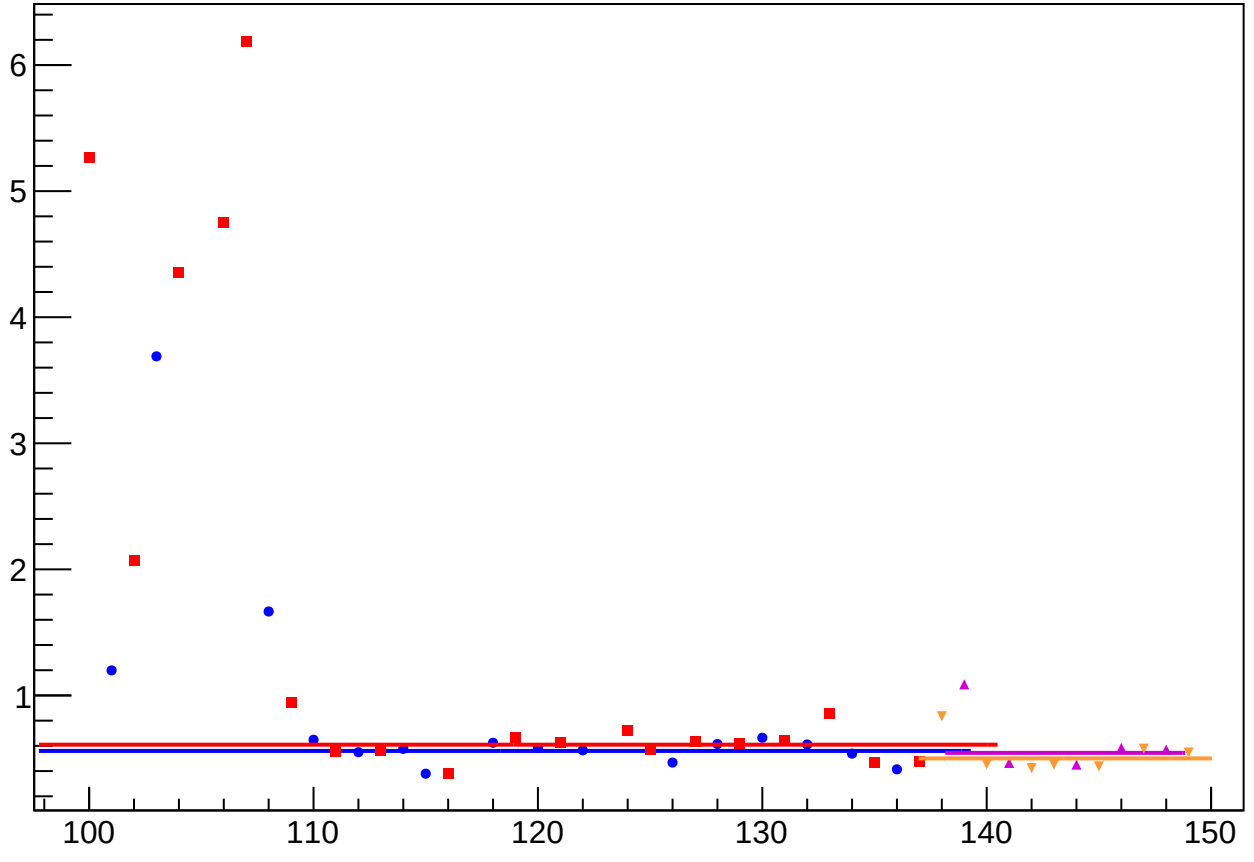
Left In: -1.291+/-0.000 χ^2/NDF:27429681.3/4

+ sign -1.574+/-0.000 χ^2/NDF: 9938644322.7/22

All: -1.104+/-0.000 χ^2/NDF: 13606262762.5/

- 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: 0.500+/-0.000 χ^2/NDF:317824.2/6

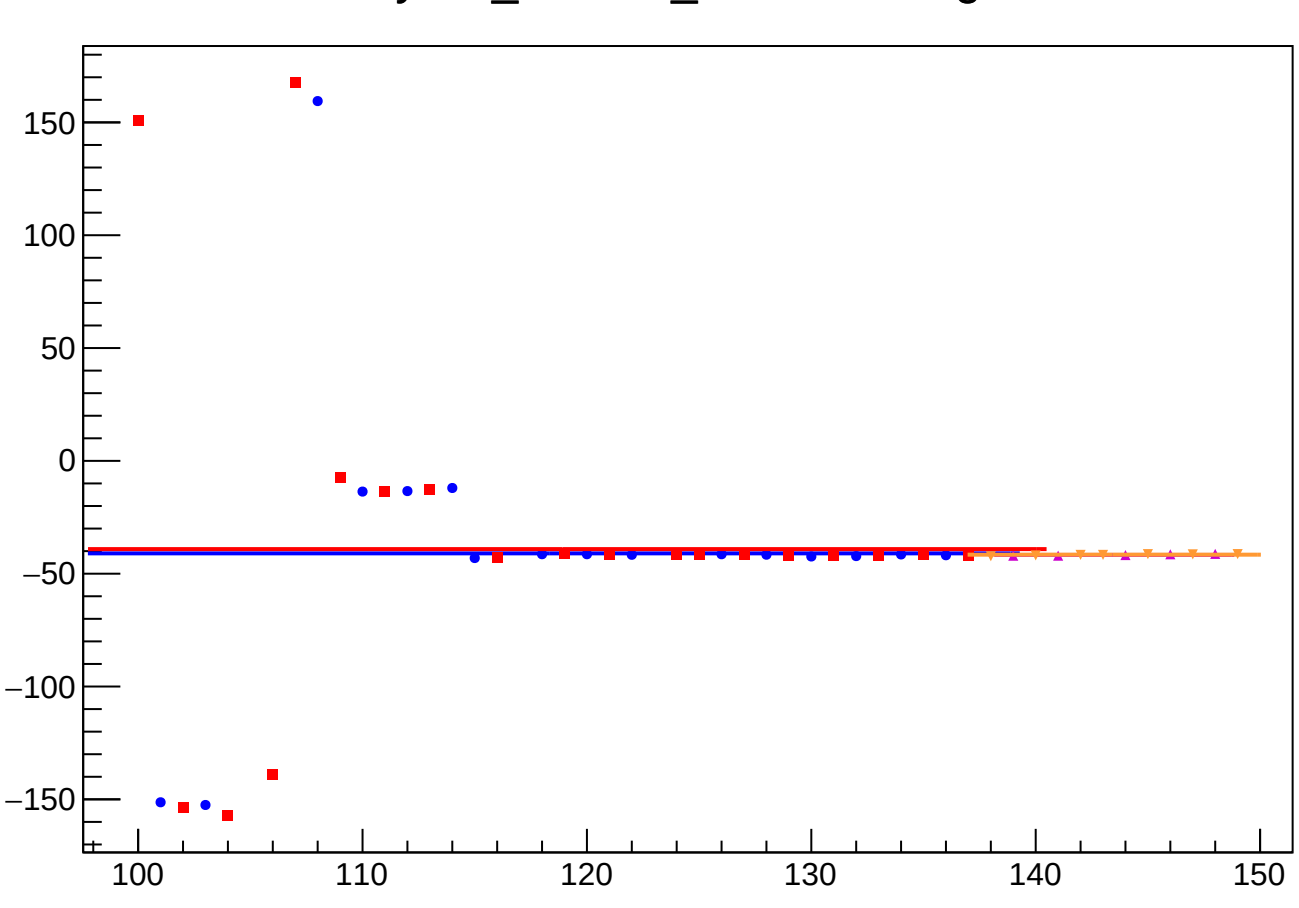
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.544+/-0.000 χ^2/NDF:520367.7/4

+ sign 0.531+/-0.000 χ^2/NDF: 1972065.6/22

All: 0.552+/-0.000 χ^2/NDF: 5086523.1/46

- sign 0.580+/-0.000 χ^2/NDF: 3046975.4/23



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.570+/-0.000 χ^2/NDF:2965863.6/6

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

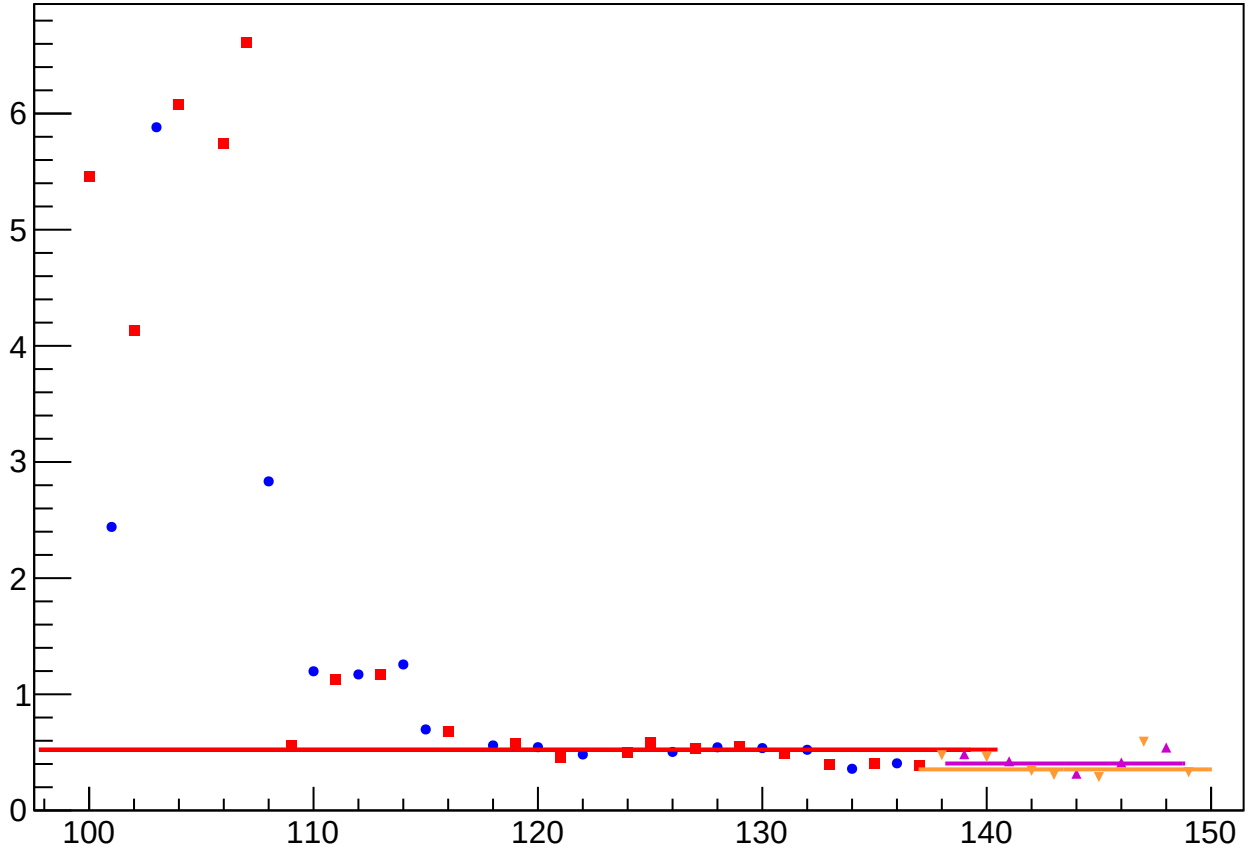
Left In: -41.695+/-0.000 χ^2/NDF:1849293.1/4

+ sign -41.379+/-0.000 χ^2/NDF: 3456806406.8/22

All: -41.037+/-0.000 χ^2/NDF: 6022650221.9/

- 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: 0.354+/-0.000 χ^2/NDF:558483.6/6

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

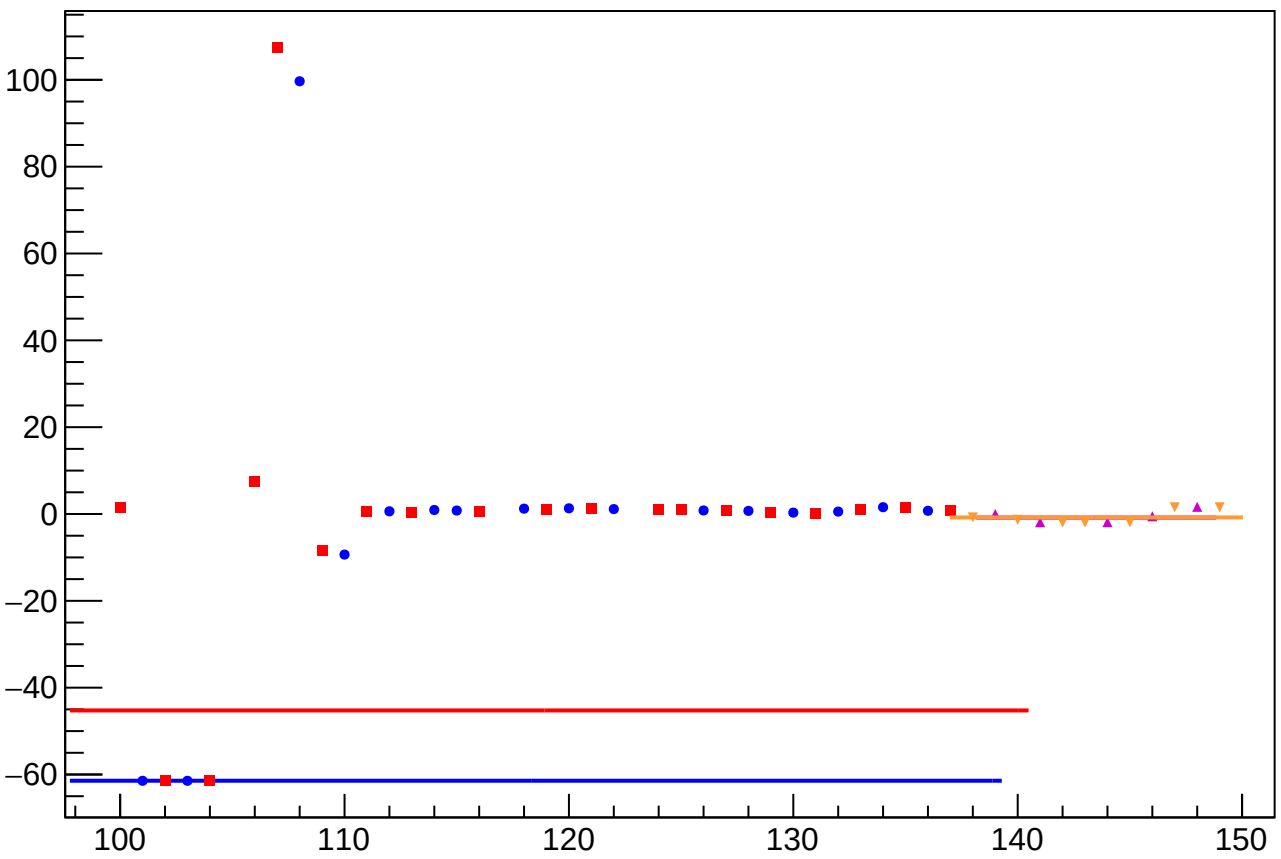
Left In: 0.404+/-0.000 χ^2/NDF:279508.2/4

+ sign 0.409+/-0.000 χ^2/NDF: 4211783.3/22

All: 0.429+/-0.000 χ^2/NDF: 8153809.7/46

- sign 0.456+/-0.000 χ^2/NDF: 3835876.0/23

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -0.789+/-0.000 χ^2/NDF:49303447.8/6

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

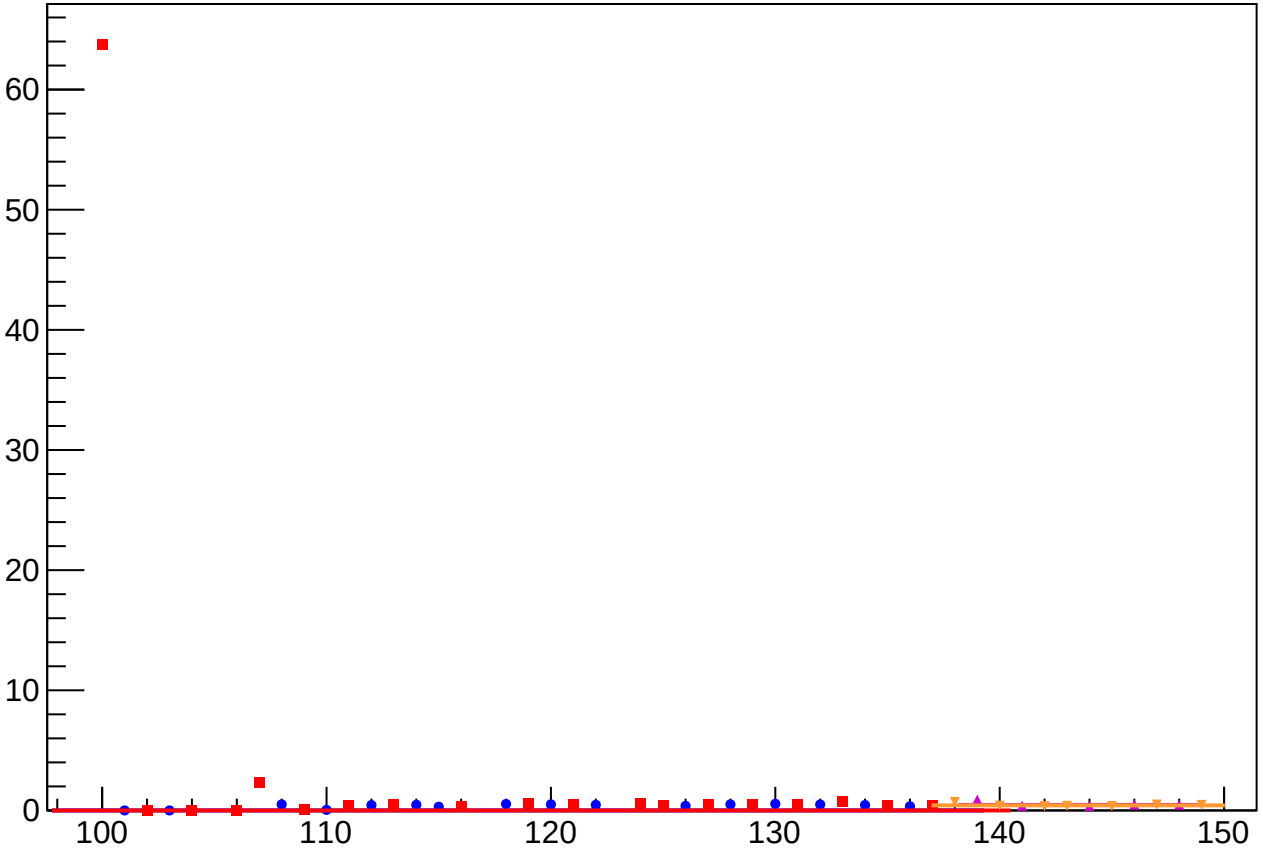
Left In: -0.835+/-0.000 χ^2/NDF:28621607.8/4

+ sign -61.432+/-0.000 χ^2/NDF: 353834554099.0/2

All: -52.747+/-0.000 χ^2/NDF: 409222777716

- 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: 0.424+/-0.000 χ^2/NDF:317589.7/6

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

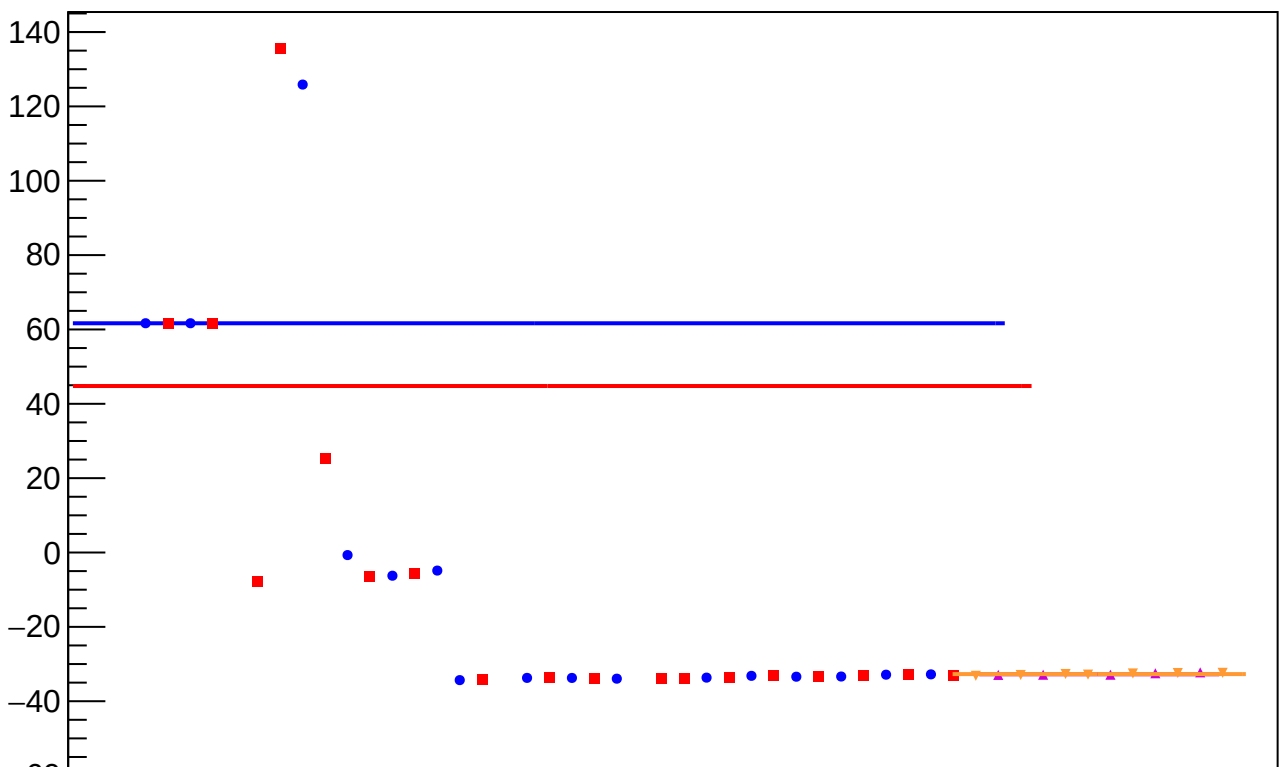
Left In: 0.457+/-0.000 χ^2/NDF:514775.2/4

+ sign 0.001+/-0.000 χ^2/NDF: 17275062.3/22

All: 0.001+/-0.000 χ^2/NDF: 33593247.6/46

- 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: -32.705+/-0.000 χ^2/NDF:3949590.4/6

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

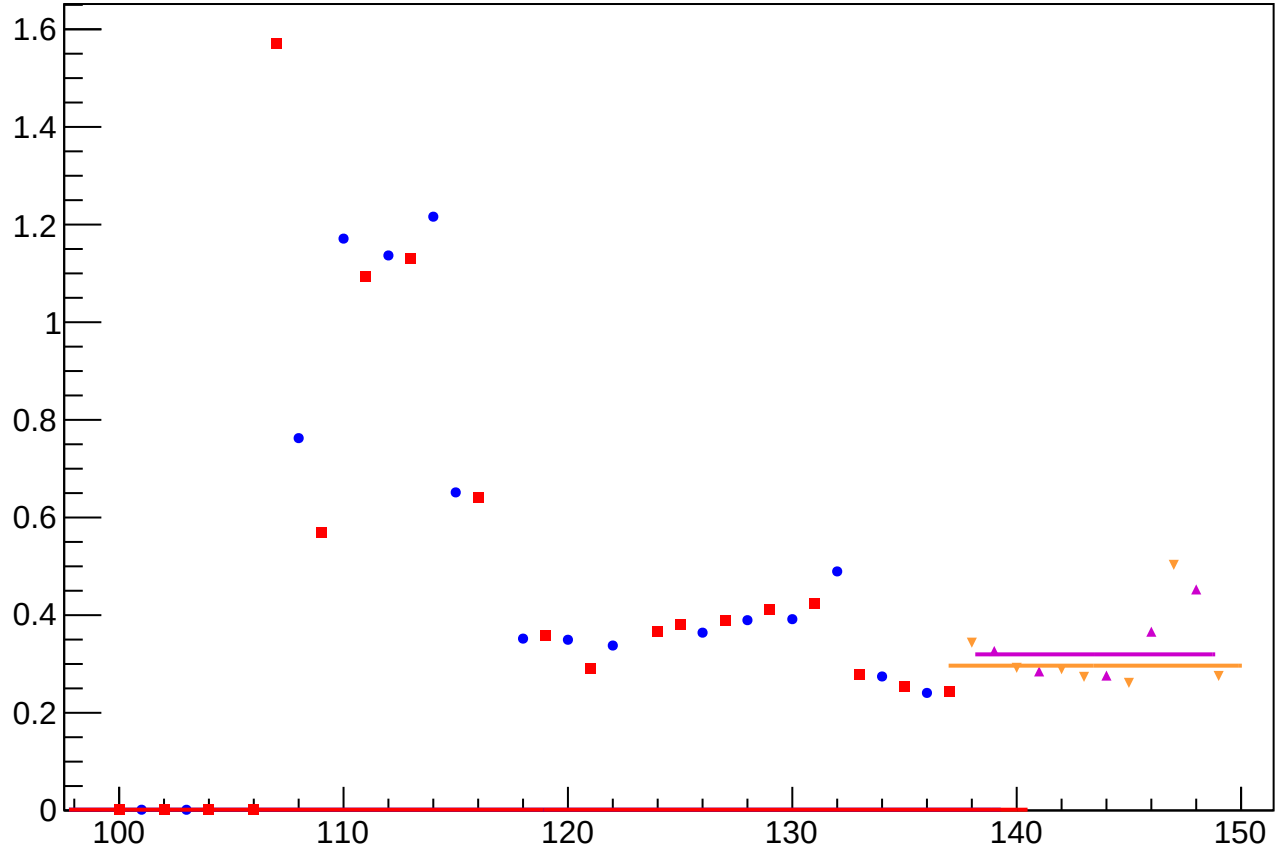
Left In: -32.755+/-0.000 χ^2/NDF:1999770.9/4

+ sign 61.646+/-0.000 χ^2/NDF: 872071142768.2/22

All: 52.677+/-0.000 χ^2/NDF: 418266385629

- sign 44.778+/-0.000 χ^2/NDF: 366330921190620.0

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.297+/-0.000 χ^2/NDF:347949.3/6

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

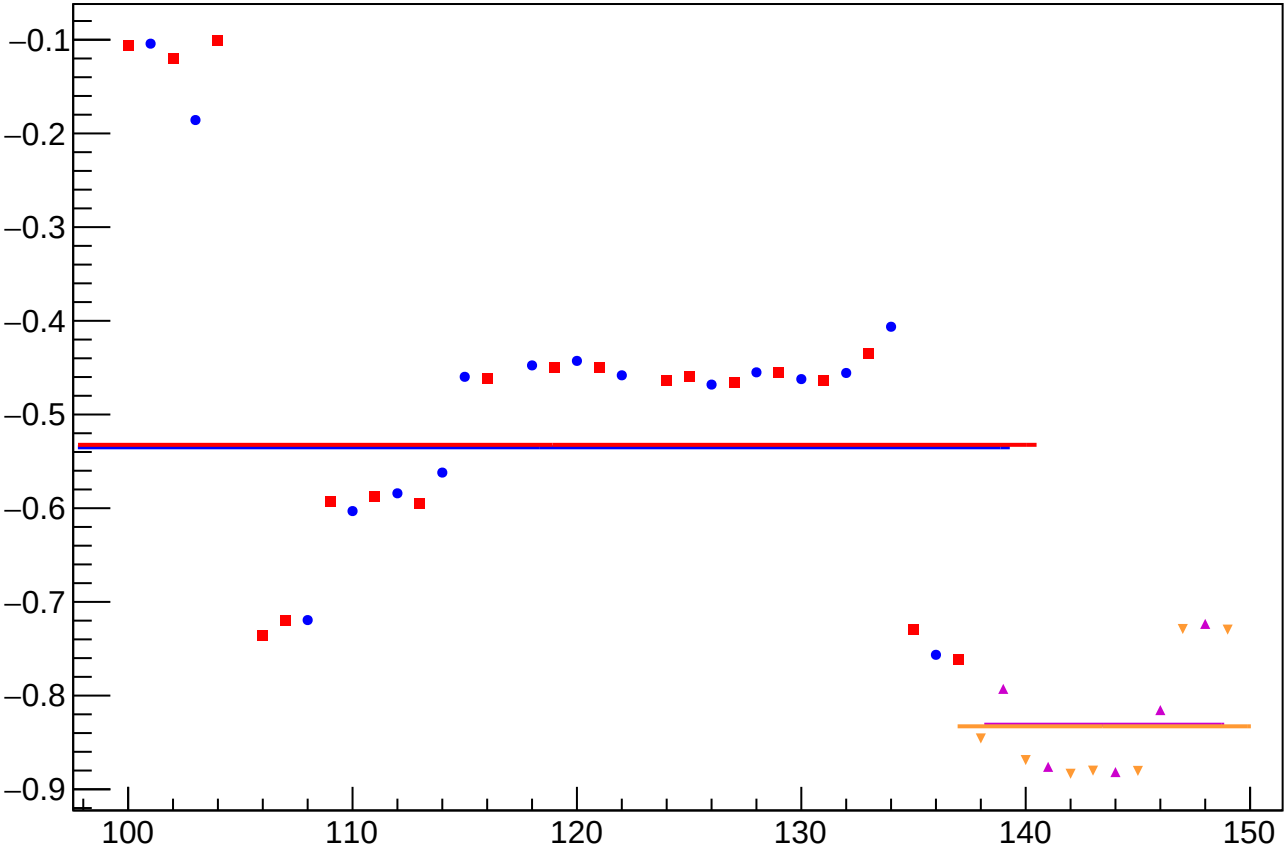
Left In: 0.320+/-0.000 χ^2/NDF:231084.5/4

+ sign 0.002+/-0.000 χ^2/NDF: 21199082.7/22

All: 0.002+/-0.000 χ^2/NDF: 39941284.4/46

- 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: -0.833+/-0.000 χ^2/NDF:51816129.7/6

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

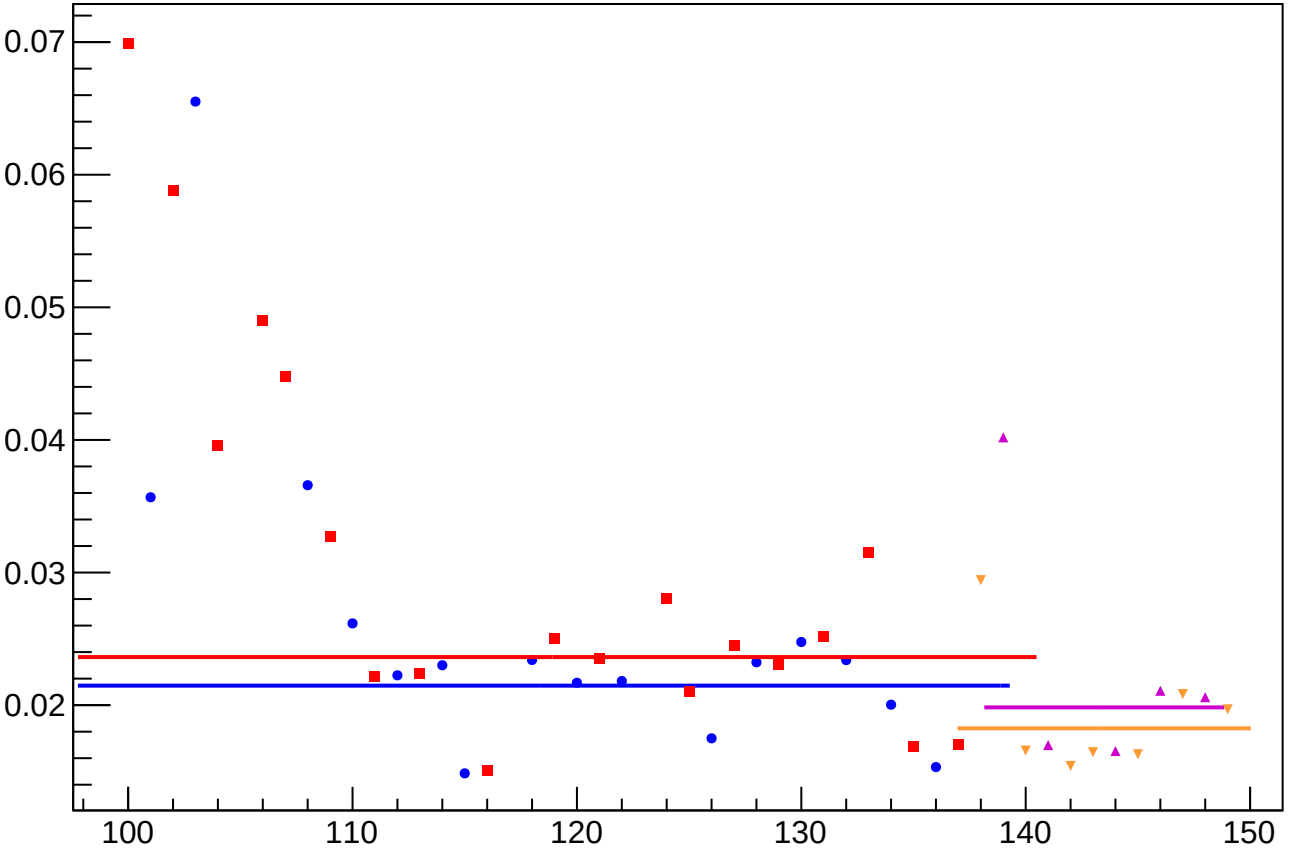
Left In: -0.831+/-0.000 χ^2/NDF:29879732.4/4

+ sign -0.684+/-0.000 χ^2/NDF: 869933423.2/22

All: -0.677+/-0.000 χ^2/NDF: 1519506183.0/4

- 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:276956.3/6

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

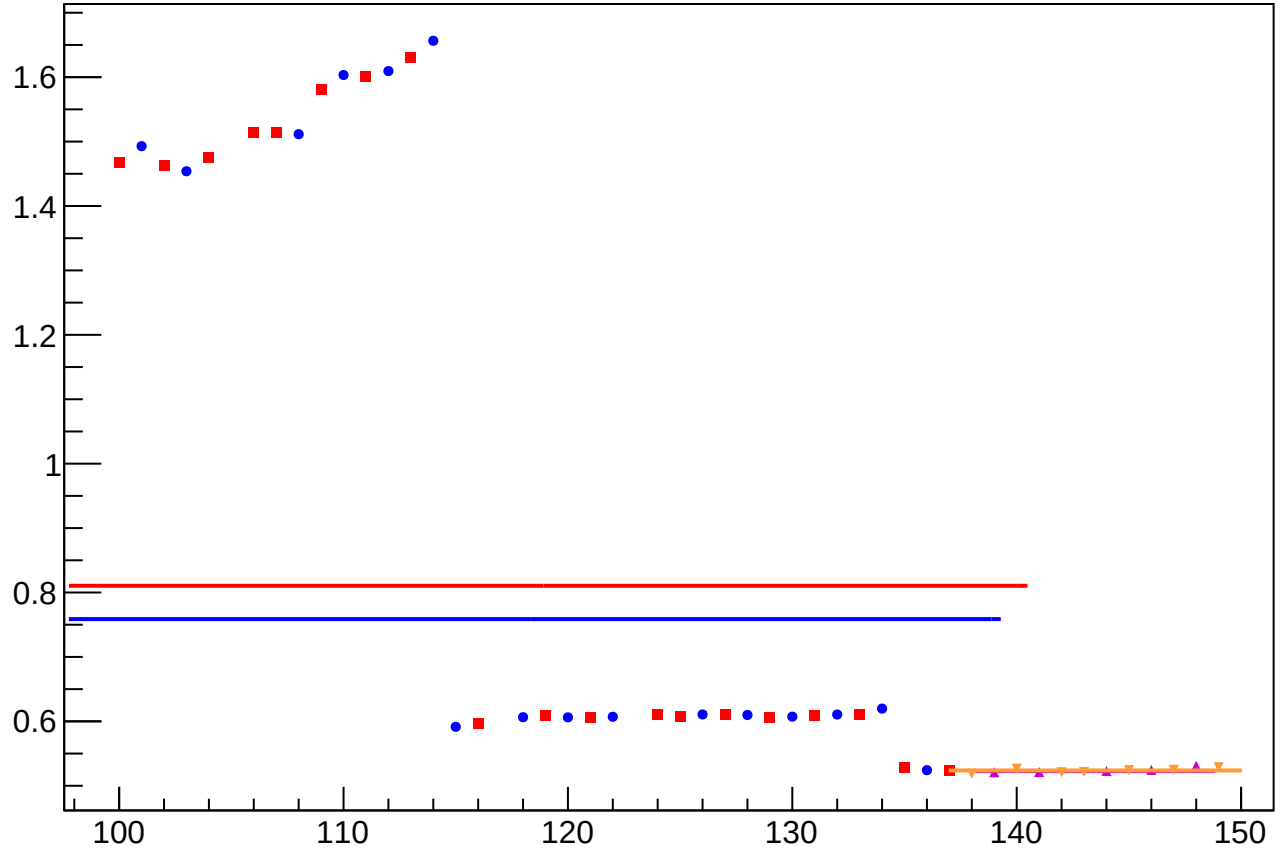
Left In: 0.020+/-0.000 χ^2/NDF:524663.3/4

+ sign 0.020+/-0.000 χ^2/NDF: 1552002.7/22

All: 0.021+/-0.000 χ^2/NDF: 3570373.4/46

- 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: 0.524+/-0.000 χ^2/NDF:384205.4/6

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

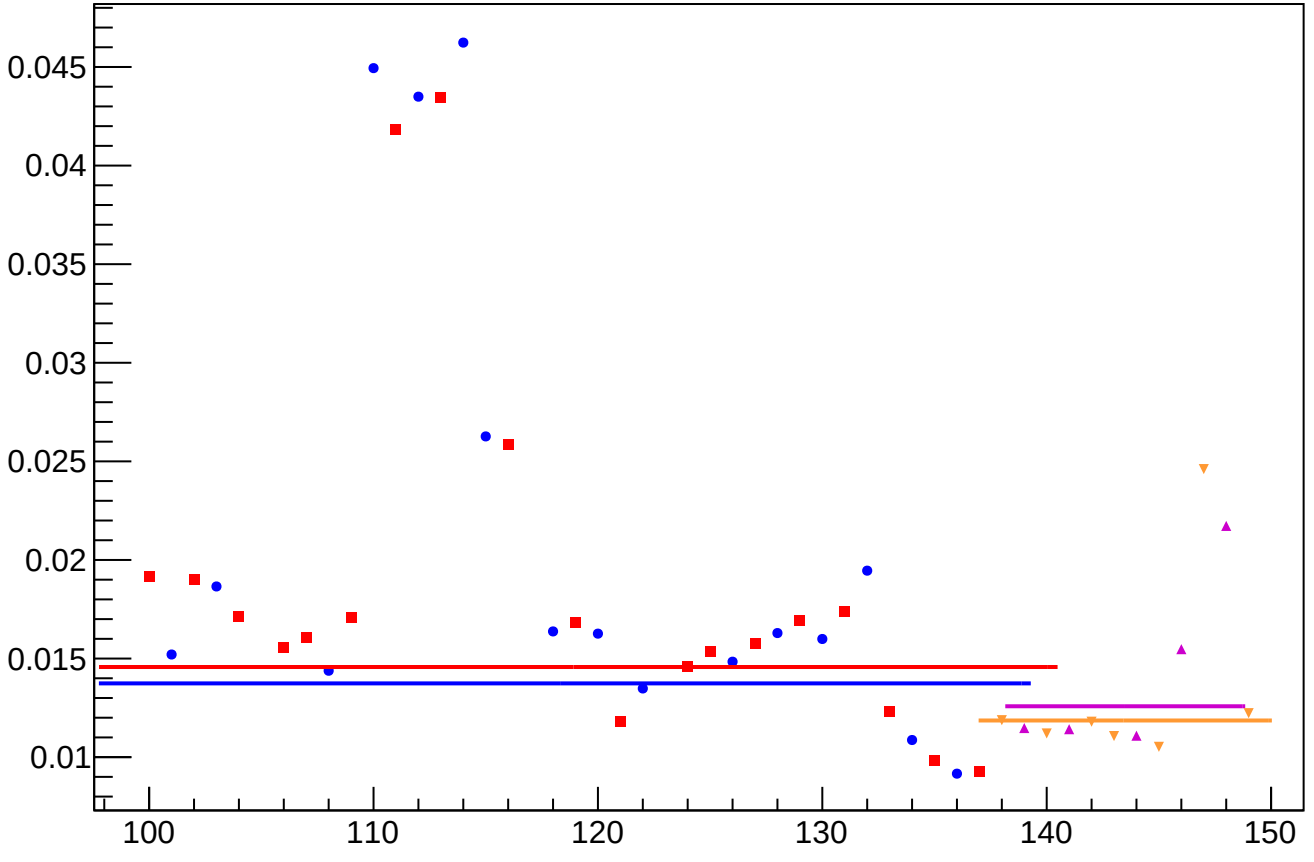
Left In: 0.523+/-0.000 χ^2/NDF:164757.5/4

+ sign 0.635+/-0.000 χ^2/NDF: 5221334241.1/22

All: 0.655+/-0.000 χ^2/NDF: 11162083405.7/4

- 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:468761.3/6

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

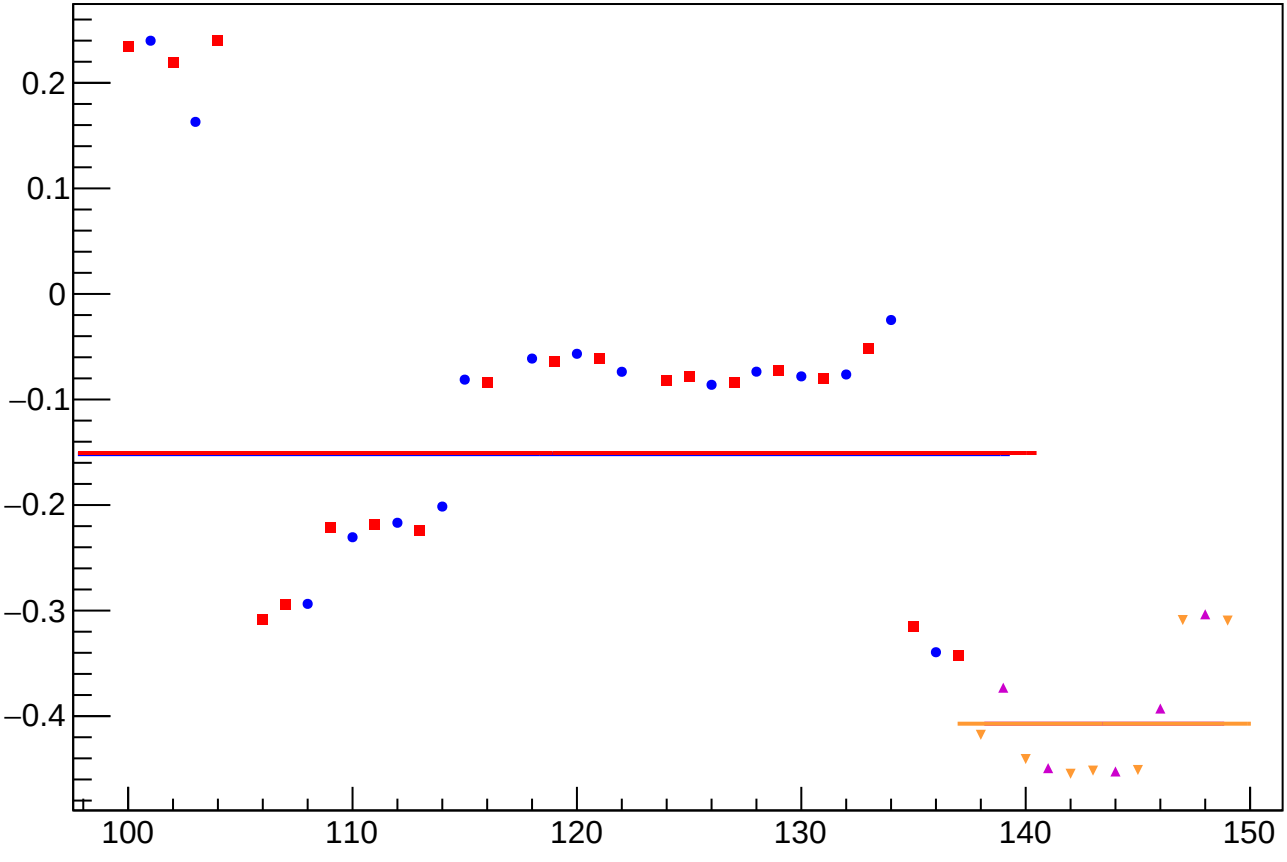
Left In: 0.013+/-0.000 χ^2/NDF:398780.7/4

+ sign 0.013+/-0.000 χ^2/NDF: 2236100.9/22

All: 0.013+/-0.000 χ^2/NDF: 4246112.5/46

- 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: -0.407+/-0.000 χ^2/NDF:50724620.1/6

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

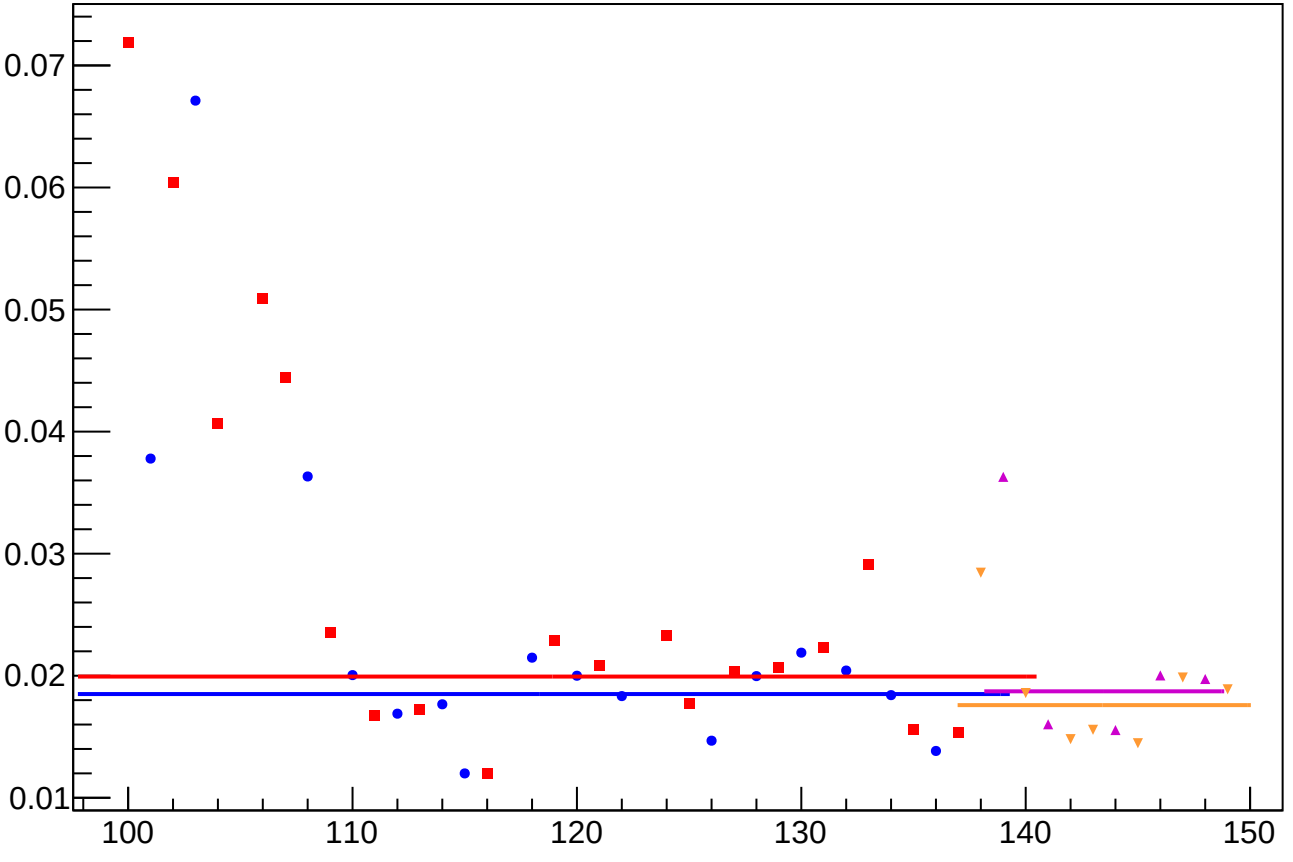
Left In: -0.407+/-0.000 χ^2/NDF:29648708.6/4

+ sign -0.268+/-0.000 χ^2/NDF: 784547733.0/22

All: -0.262+/-0.000 χ^2/NDF: 1381409619.2/4

- 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: 0.018+/-0.000 χ^2/NDF:316912.1/6

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

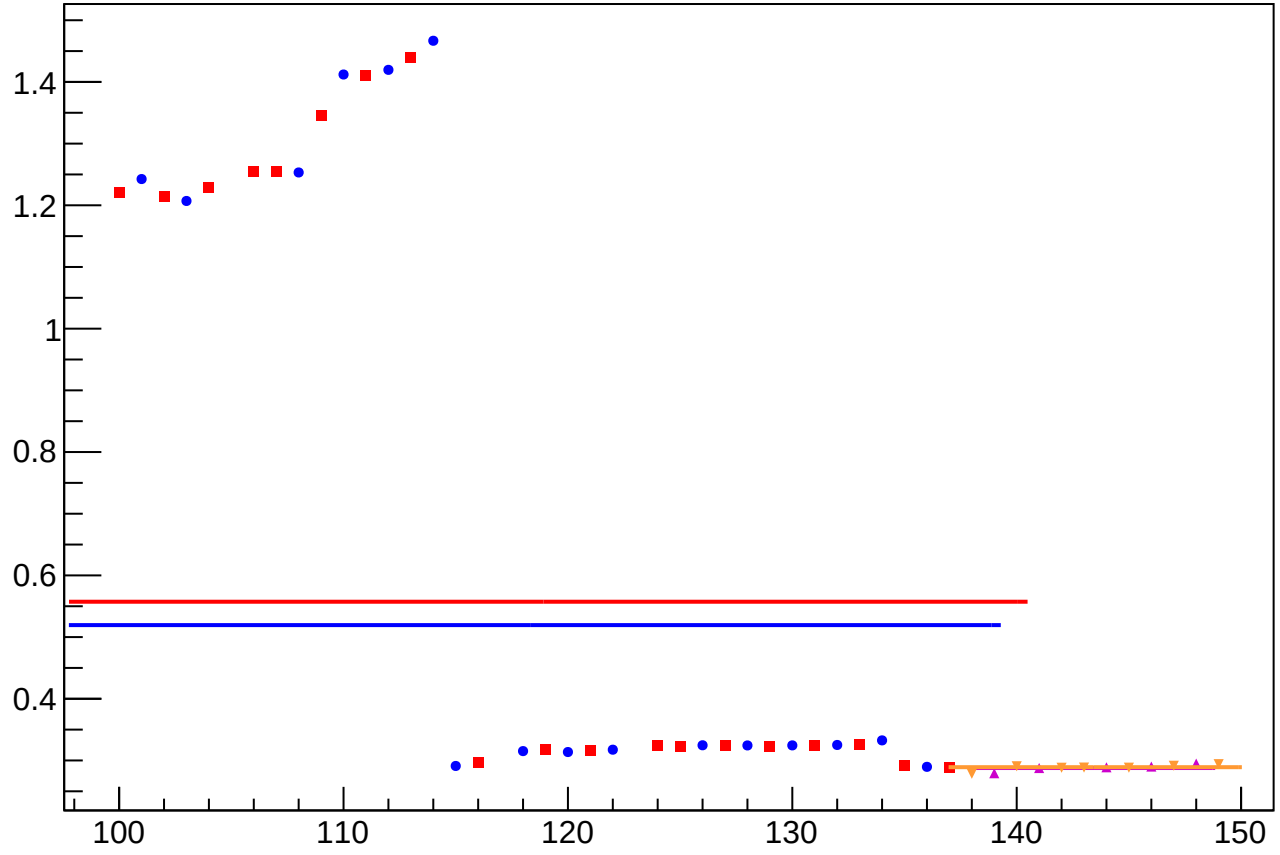
Left In: 0.019+/-0.000 χ^2/NDF:494450.0/4

+ sign 0.018+/-0.000 χ^2/NDF: 1700800.4/22

All: 0.019+/-0.000 χ^2/NDF: 3805705.0/46

- 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: 0.289+/-0.000 χ^2/NDF:714501.2/6

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

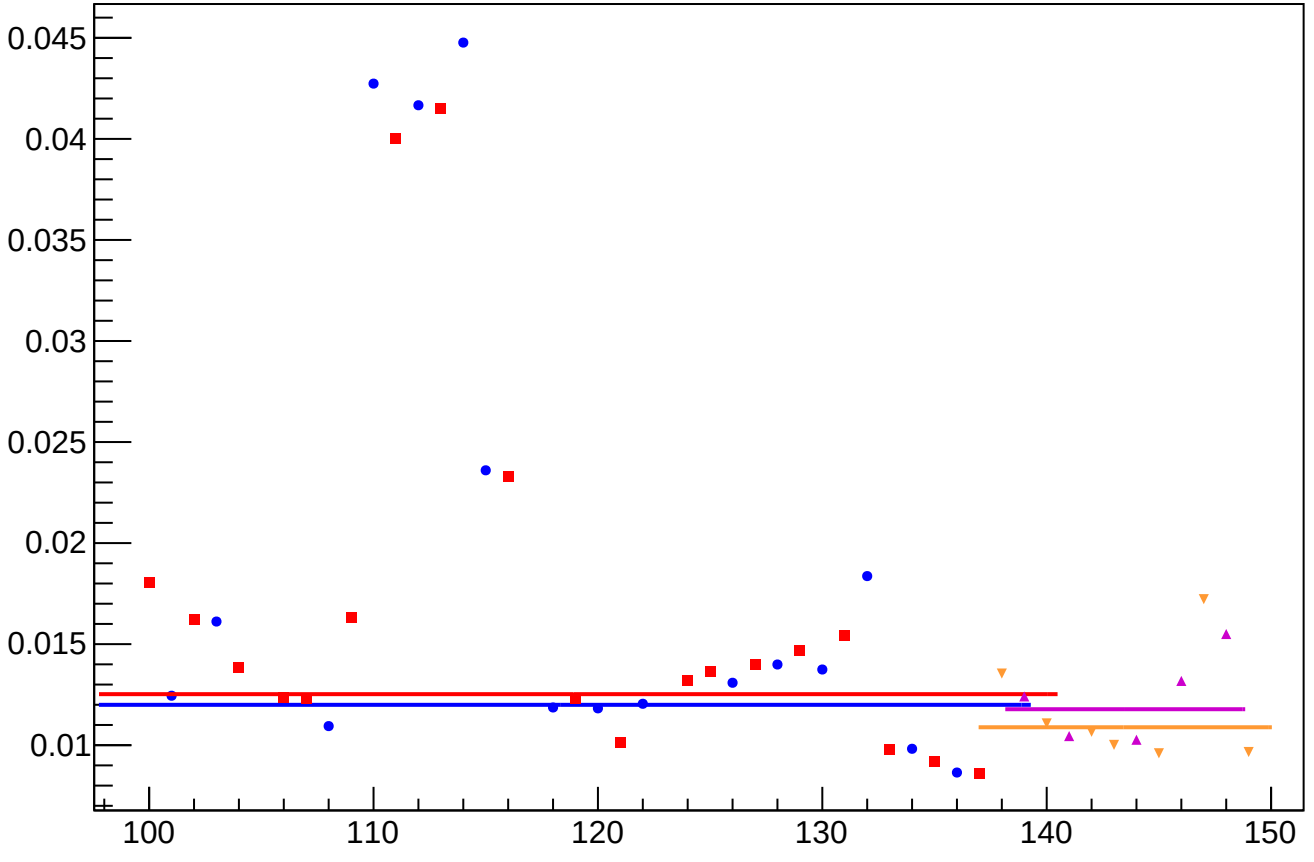
Left In: 0.288+/-0.000 χ^2/NDF:587985.2/4

+ sign 0.404+/-0.000 χ^2/NDF: 7424884831.0/22

All: 0.421+/-0.000 χ^2/NDF: 15439142237.1/4

- 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:341746.7/6

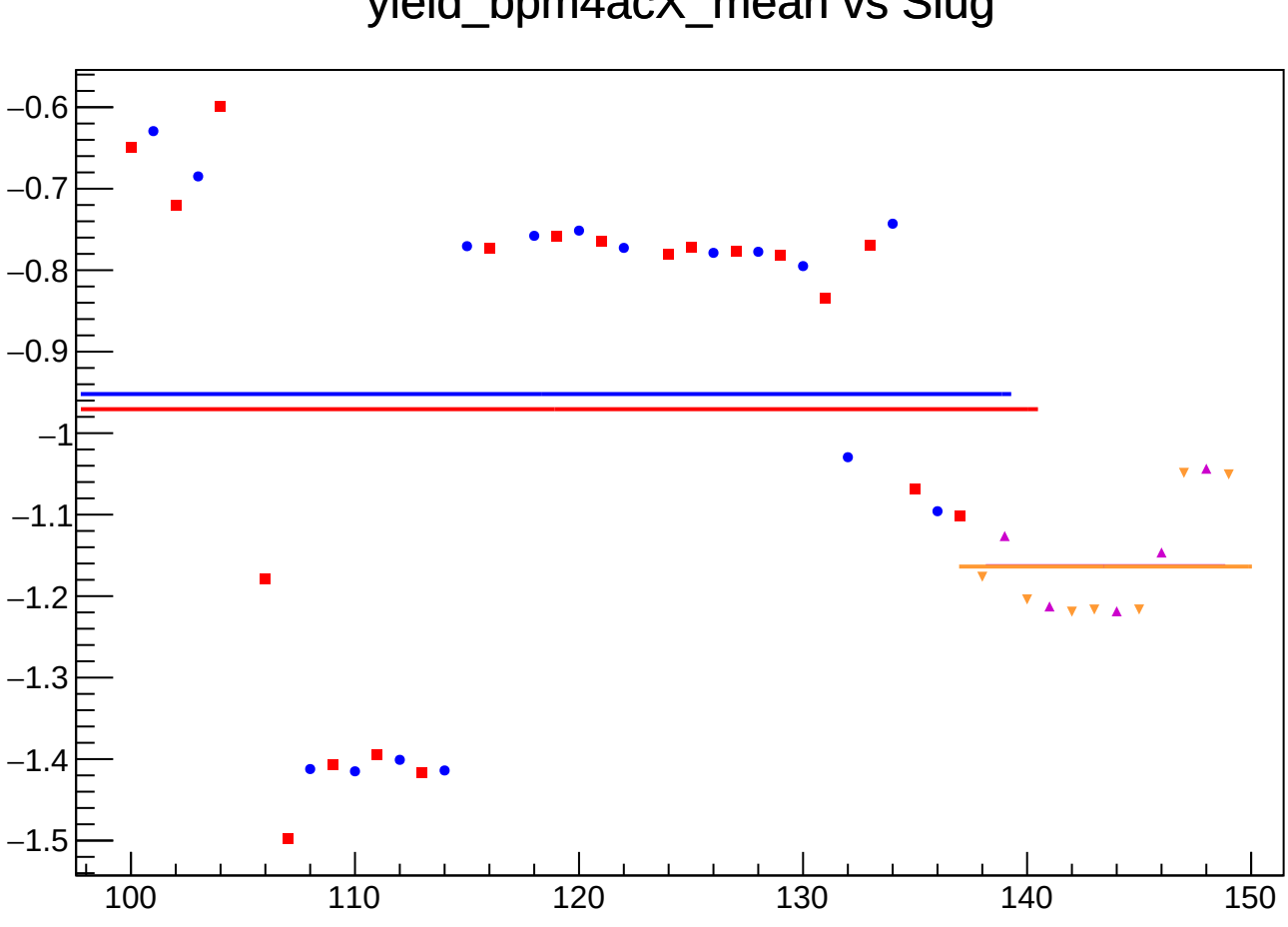
Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.012+/-0.000 χ^2/NDF:178108.6/4

+ sign 0.011+/-0.000 χ^2/NDF: 1884705.4/22

All: 0.012+/-0.000 χ^2/NDF: 3559779.8/46

- sign 0.012+/-0.000 χ^2/NDF: 1630847.9/23



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.164+/-0.000 χ^2/NDF:66202087.5/6

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

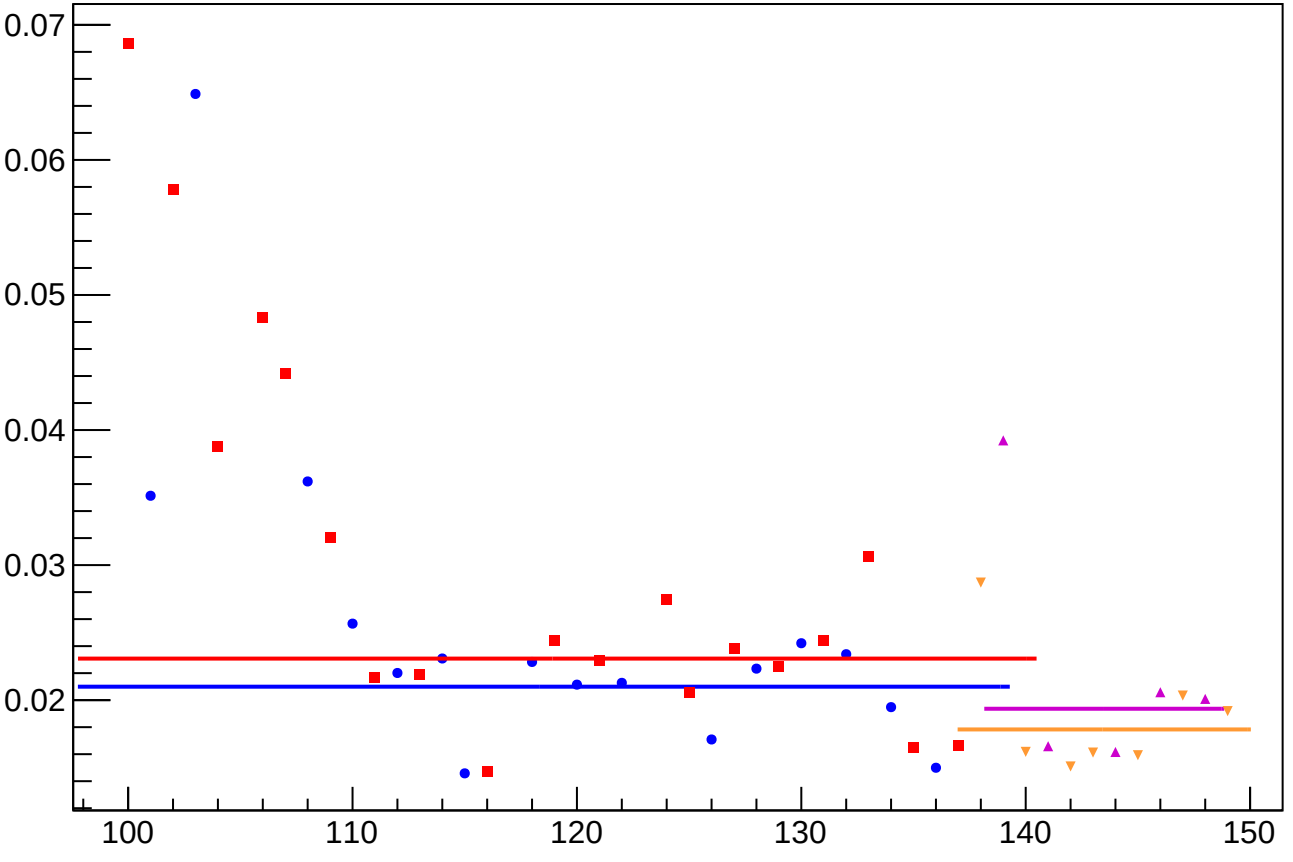
Left In: -1.163+/-0.000 χ^2/NDF:38169682.1/4

+ sign -1.058+/-0.000 χ^2/NDF: 1039263549.6/22

All: -1.058+/-0.000 χ^2/NDF: 1967310262.2/4

- 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:274550.3/6

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

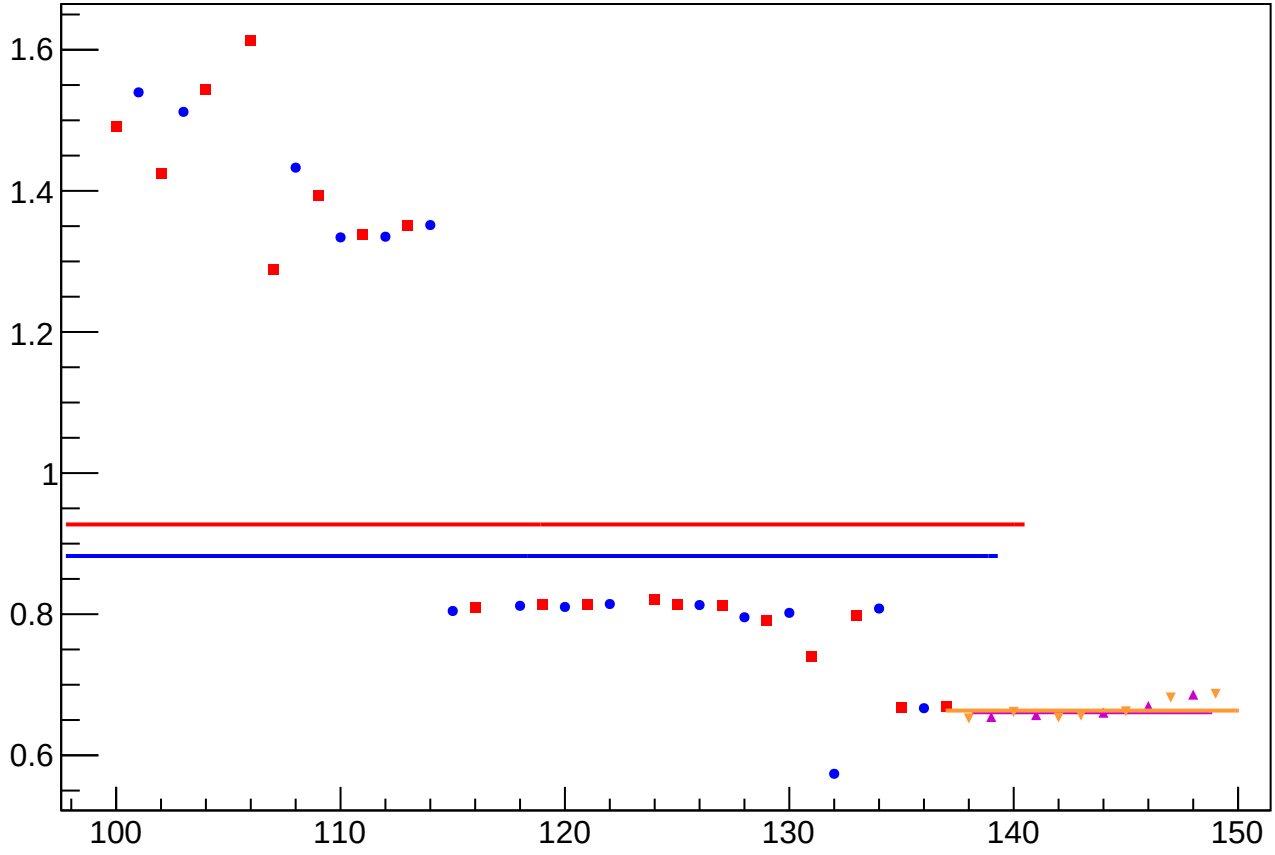
Left In: 0.019+/-0.000 χ^2/NDF:523779.5/4

+ sign 0.019+/-0.000 χ^2/NDF: 1563878.9/22

All: 0.020+/-0.000 χ^2/NDF: 3584153.1/46

- 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: 0.663+/-0.000 χ^2/NDF:4827800.3/6

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

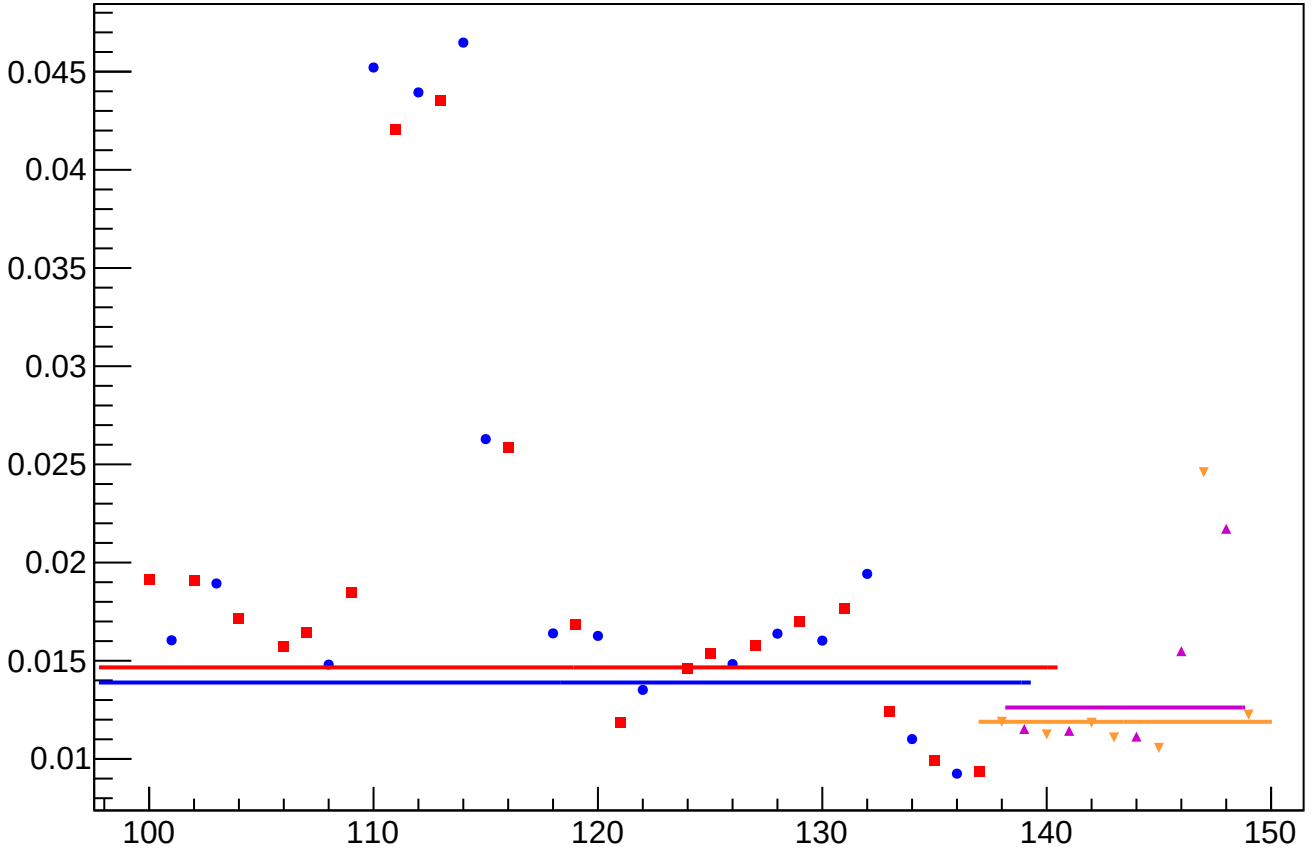
Left In: 0.661+/-0.000 χ^2/NDF:1684865.5/4

+ sign 0.766+/-0.000 χ^2/NDF: 3573023097.0/22

All: 0.783+/-0.000 χ^2/NDF: 7324409971.7/46

- 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:465240.5/6

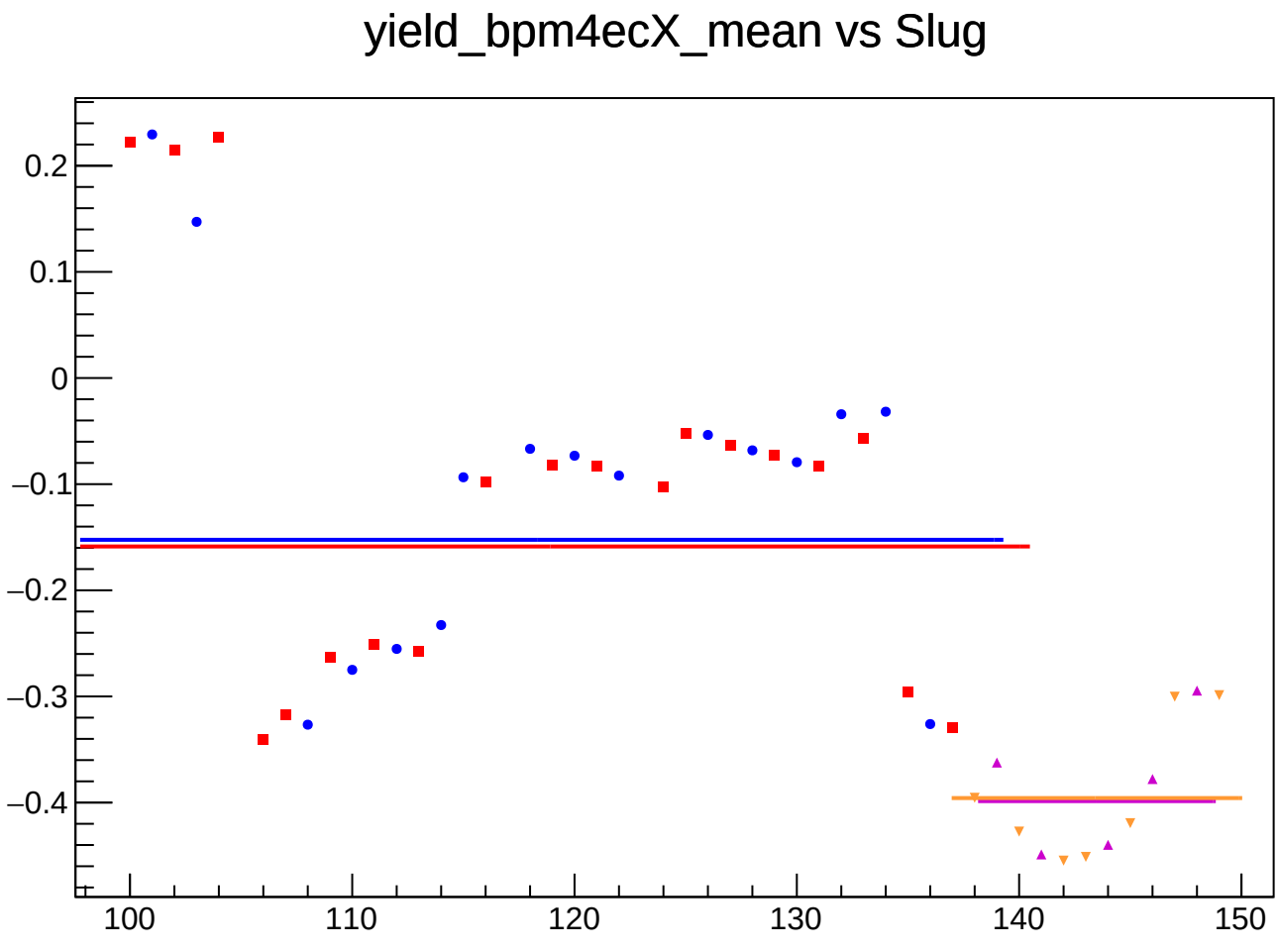
Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.013+/-0.000 χ^2/NDF:394558.4/4

+ sign 0.013+/-0.000 χ^2/NDF: 2242466.2/22

All: 0.013+/-0.000 χ^2/NDF: 4262135.2/46

- sign 0.014+/-0.000 χ^2/NDF: 1972777.9/23



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.396+/-0.000 χ^2/NDF:48997529.3/6

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

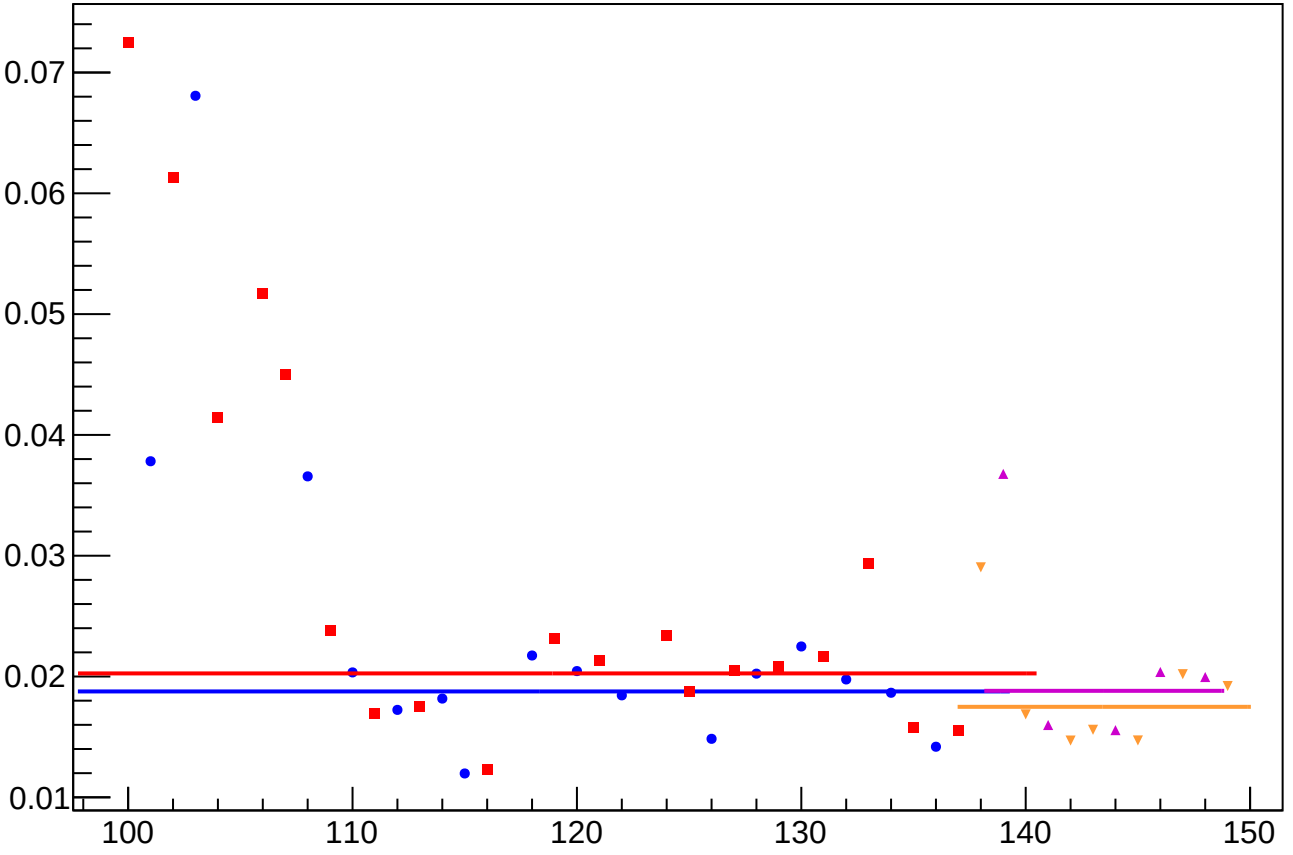
Left In: -0.399+/-0.000 χ^2/NDF:30665903.9/4

+ sign -0.265+/-0.000 χ^2/NDF: 733367296.8/22

All: -0.261+/-0.000 χ^2/NDF: 1273506807.7/4

- 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:331354.5/6

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

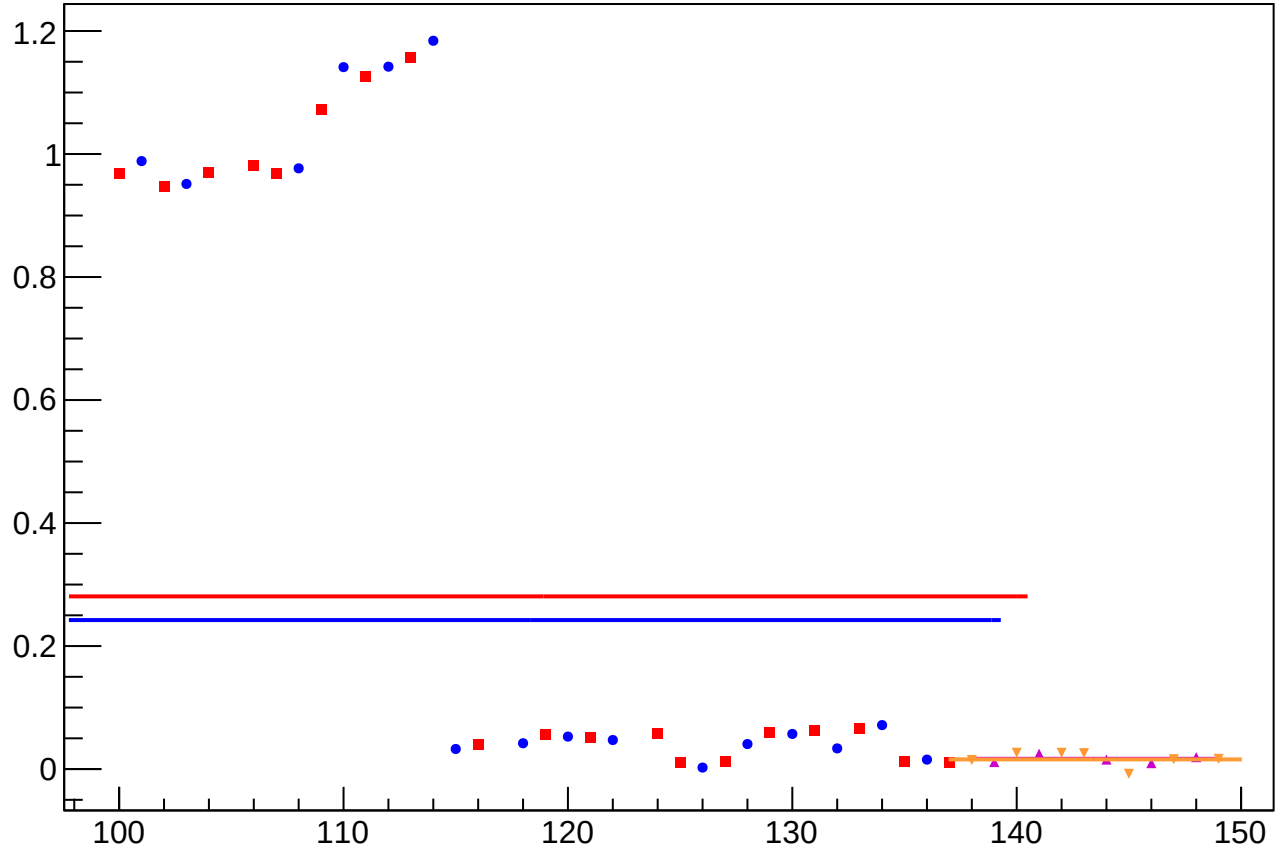
Left In: 0.019+/-0.000 χ^2/NDF:510060.1/4

+ sign 0.018+/-0.000 χ^2/NDF: 1703253.1/22

All: 0.019+/-0.000 χ^2/NDF: 3820776.2/46

- 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:6780480.4/6

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

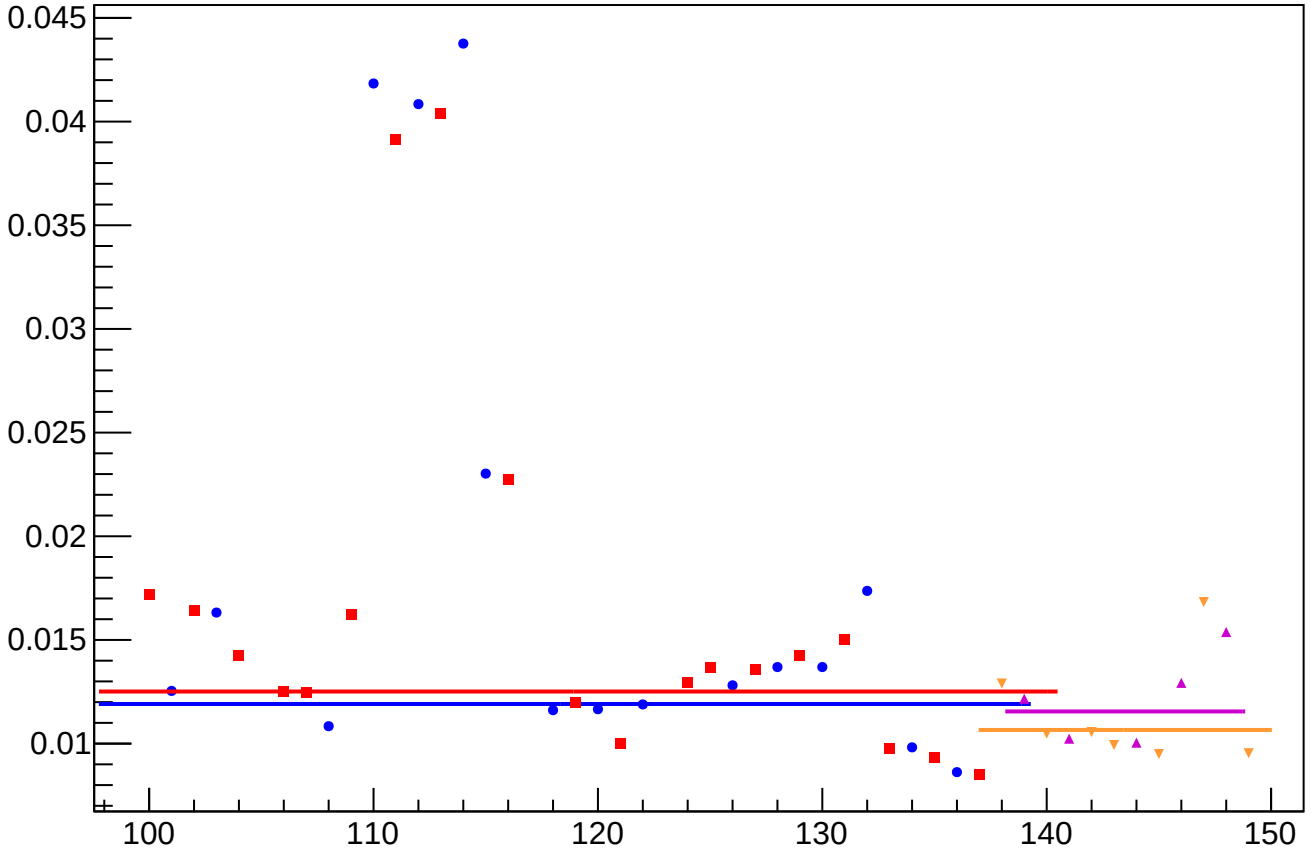
Left In: 0.017+/-0.000 χ^2/NDF:975656.2/4

+ sign 0.127+/-0.000 χ^2/NDF: 7615139242.8/22

All: 0.144+/-0.000 χ^2/NDF: 15622099423.4/4

- 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:315348.1/6

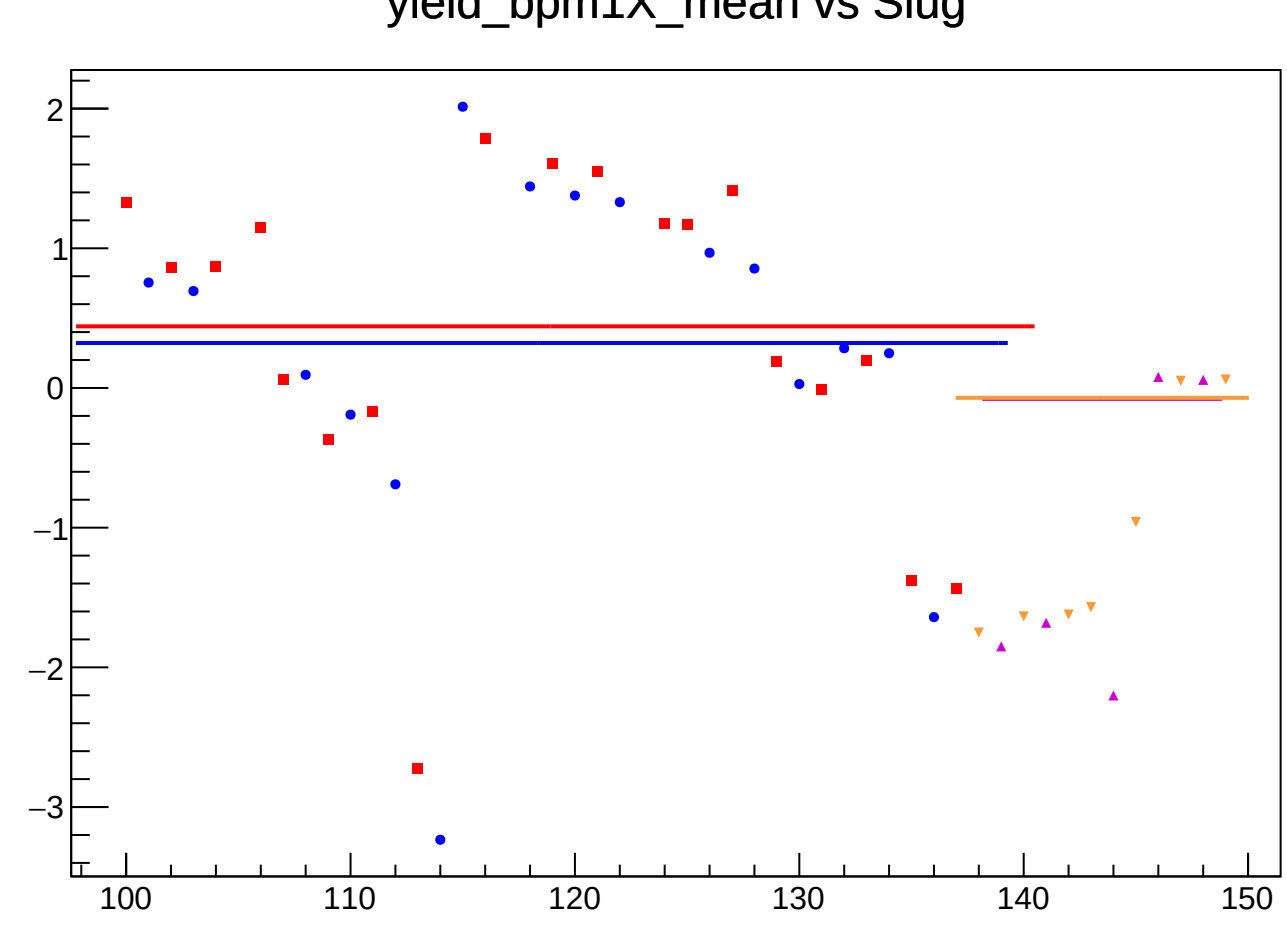
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.012+/-0.000 χ^2/NDF:187440.4/4

+ sign 0.011+/-0.000 χ^2/NDF: 1841985.2/22

All: 0.012+/-0.000 χ^2/NDF: 3505207.2/46

- 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: -0.070+/-0.000 χ^2/NDF:1088852285.3/6

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

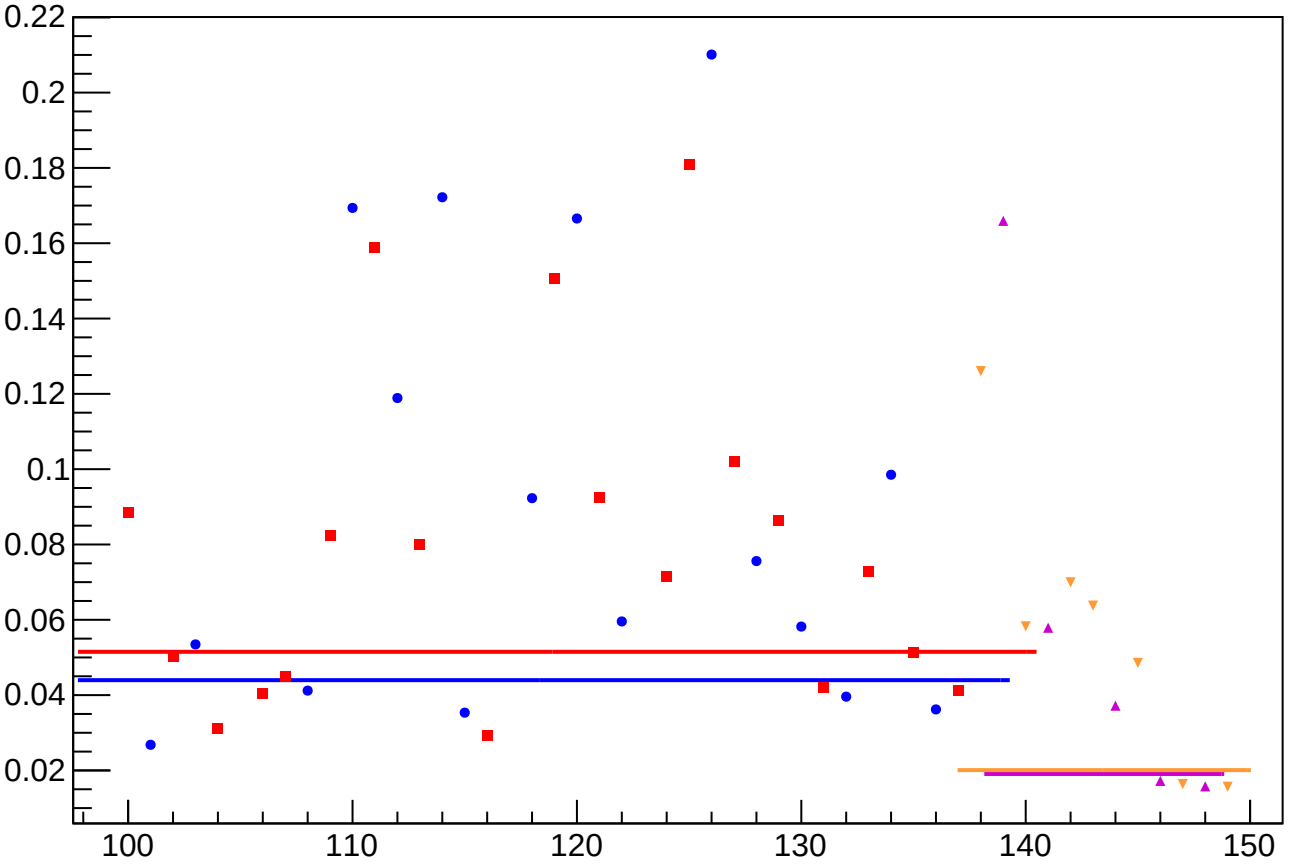
Left In: -0.078+/-0.000 χ^2/NDF:1597857937.1/4

+ sign 0.024+/-0.000 χ^2/NDF: 2986089546.8/22

All: 0.031+/-0.000 χ^2/NDF: 6724795594.3/46

- 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: 0.020+/-0.000 χ^2/NDF:2563594.5/6

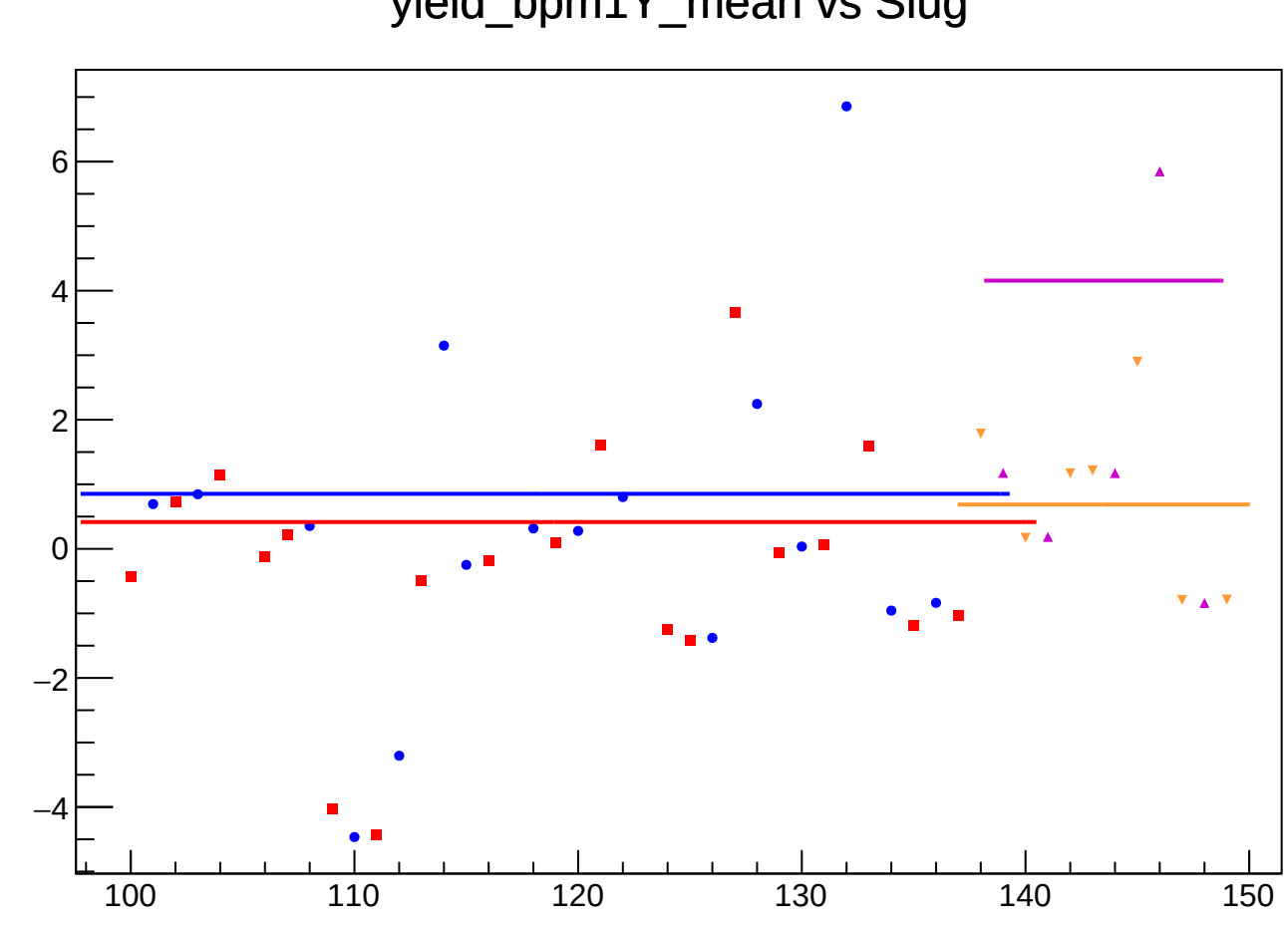
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.019+/-0.000 χ^2/NDF:1875780.5/4

+ sign 0.026+/-0.000 χ^2/NDF: 7073461.7/22

All: 0.026+/-0.000 χ^2/NDF: 13998544.8/46

- 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: 0.687+/-0.000 χ^2/NDF:27763094834.4/6

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

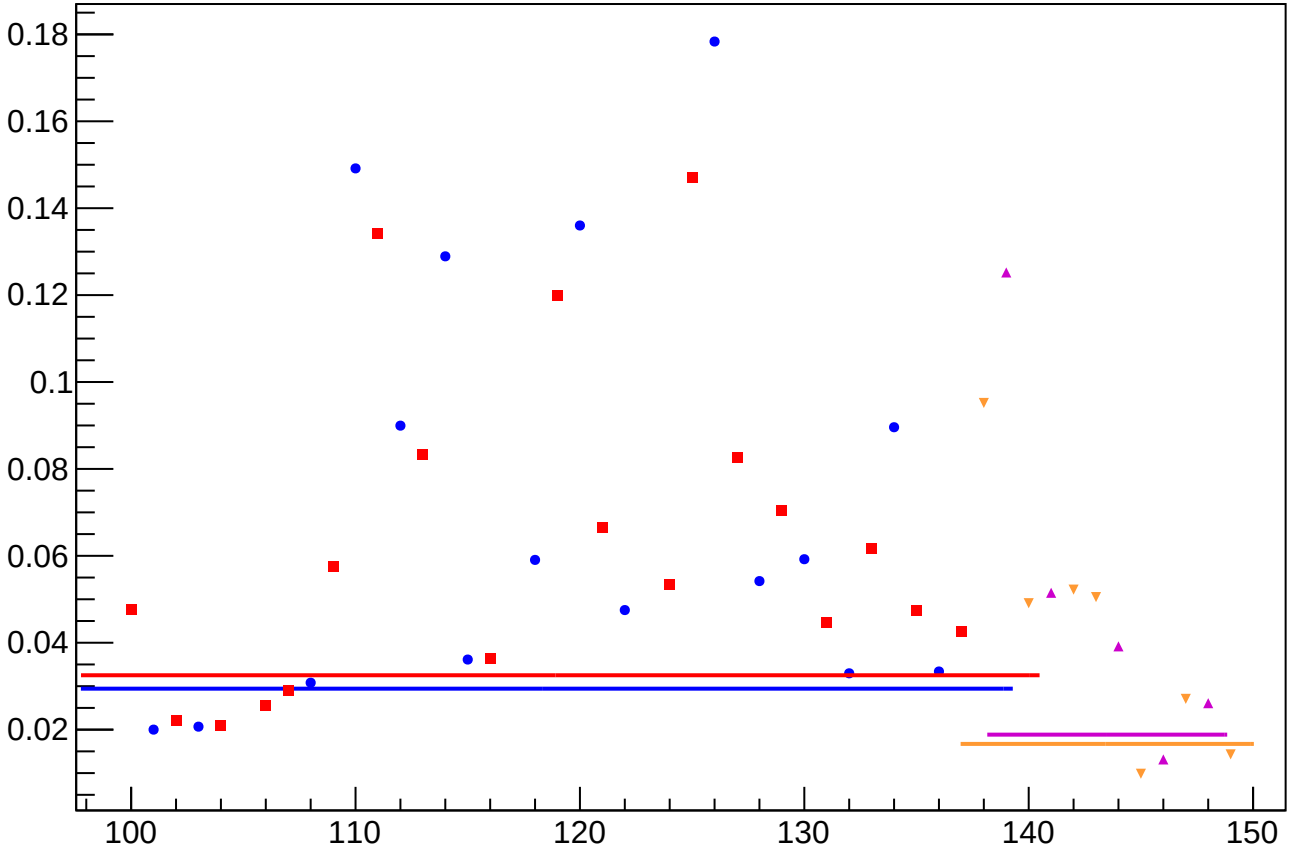
Left In: 4.156+/-0.000 χ^2/NDF:46909032652.5/4

+ sign 0.740+/-0.000 χ^2/NDF: 39418393654.0/22

All: 1.572+/-0.000 χ^2/NDF: 146053378874.9

- 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: 0.017+/-0.000 χ^2/NDF:2538860.5/6

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

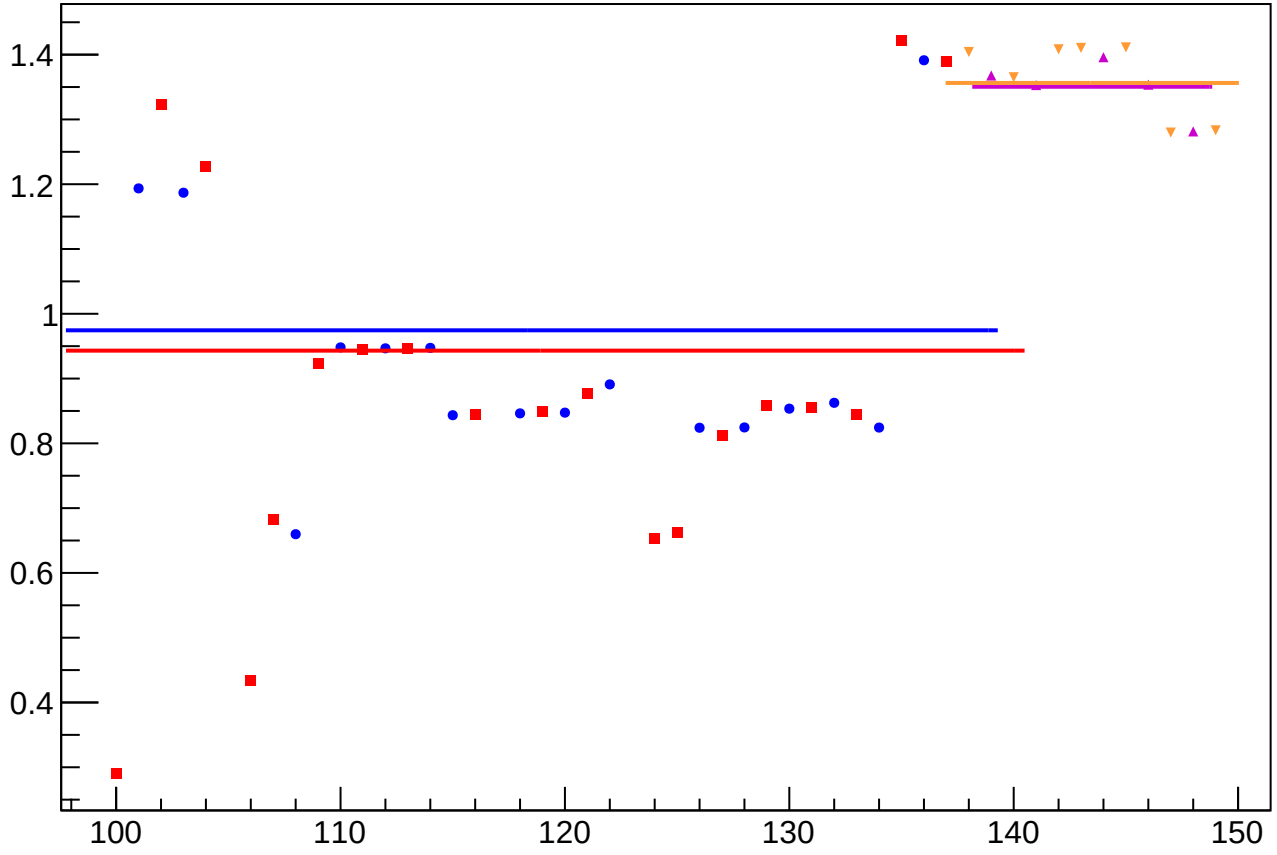
Left In: 0.019+/-0.000 χ^2/NDF:2137405.5/4

+ sign 0.021+/-0.000 χ^2/NDF: 6666147.5/22

All: 0.022+/-0.000 χ^2/NDF: 13136812.4/46

- 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: 1.356+/-0.000 χ^2/NDF:102161495.1/6

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

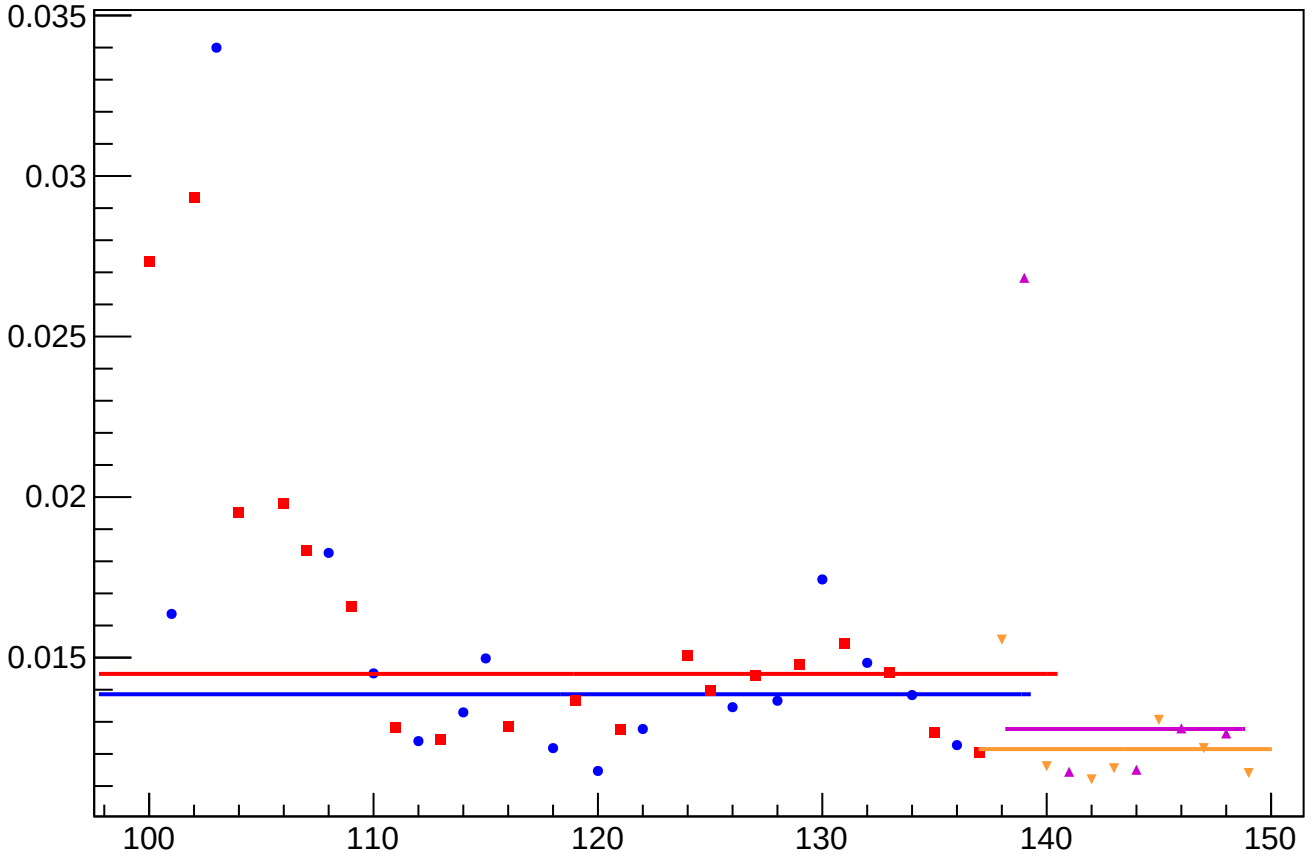
Left In: 1.350+/-0.000 χ^2/NDF:35367414.9/4

+ sign 1.159+/-0.000 χ^2/NDF: 3843152827.0/22

All: 1.139+/-0.000 χ^2/NDF: 7746324656.6/46

- 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:85600.4/6

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

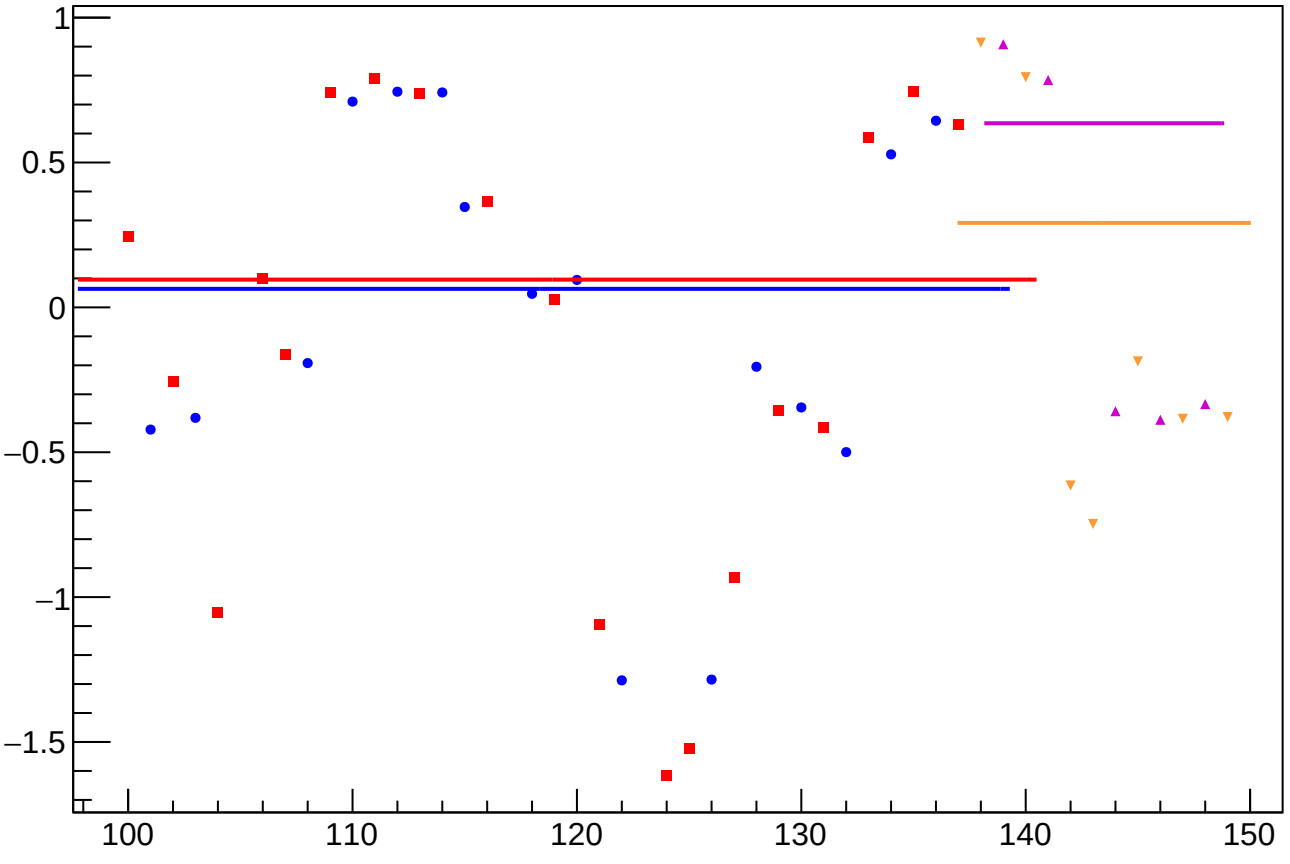
Left In: 0.013+/-0.000 χ^2/NDF:483627.6/4

+ sign 0.013+/-0.000 χ^2/NDF: 776888.2/22

All: 0.013+/-0.000 χ^2/NDF: 1911788.0/46

- sign 0.014+/-0.000 χ^2/NDF: 1103972.4/23

yield_bpm11Y_mean vs Slug



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.292+/-0.000 χ^2/NDF:19233609537.3/6

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

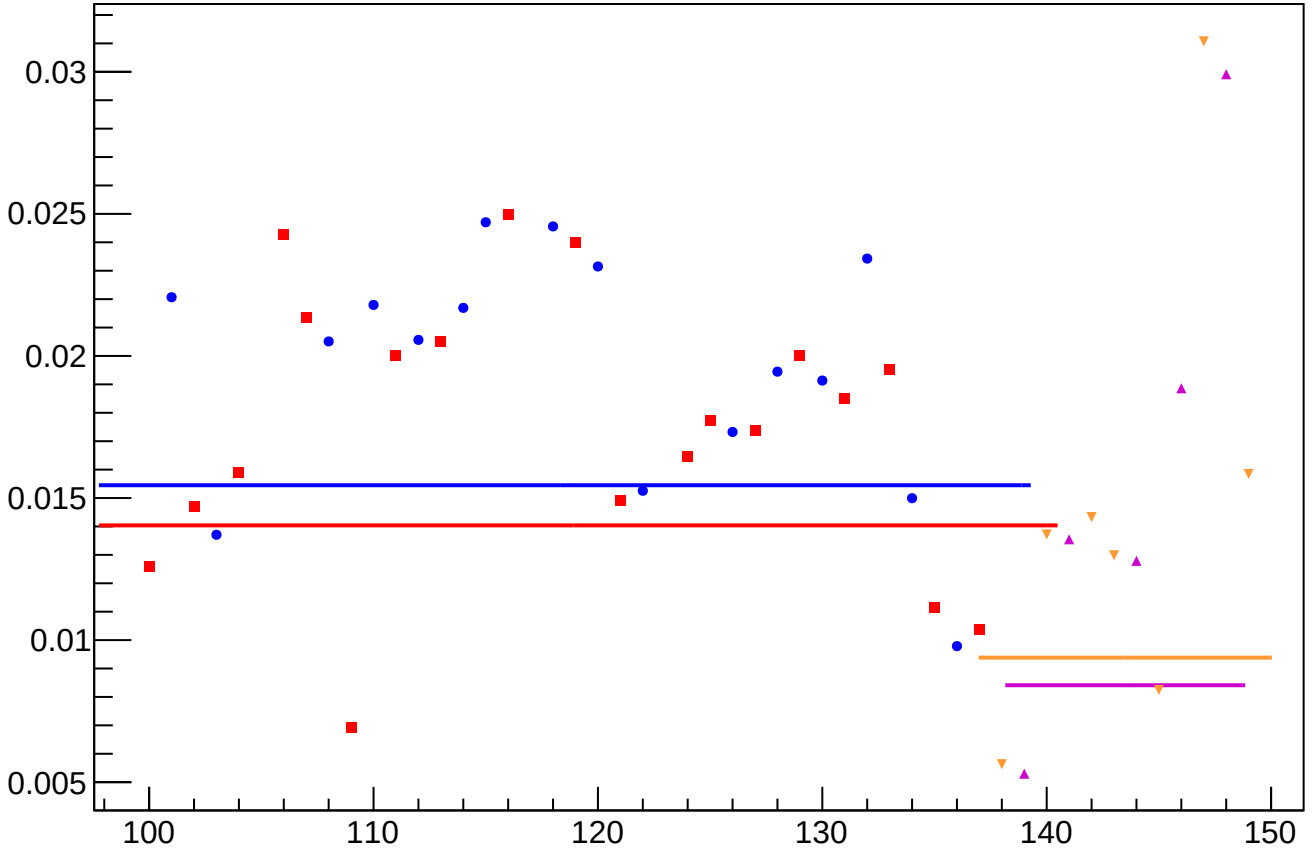
Left In: 0.635+/-0.000 χ^2/NDF:10602516597.7/4

+ sign 0.209+/-0.000 χ^2/NDF: 31100074478.4/22

All: 0.310+/-0.000 χ^2/NDF: 65932287111.2/4

- 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:1997131.6/6

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

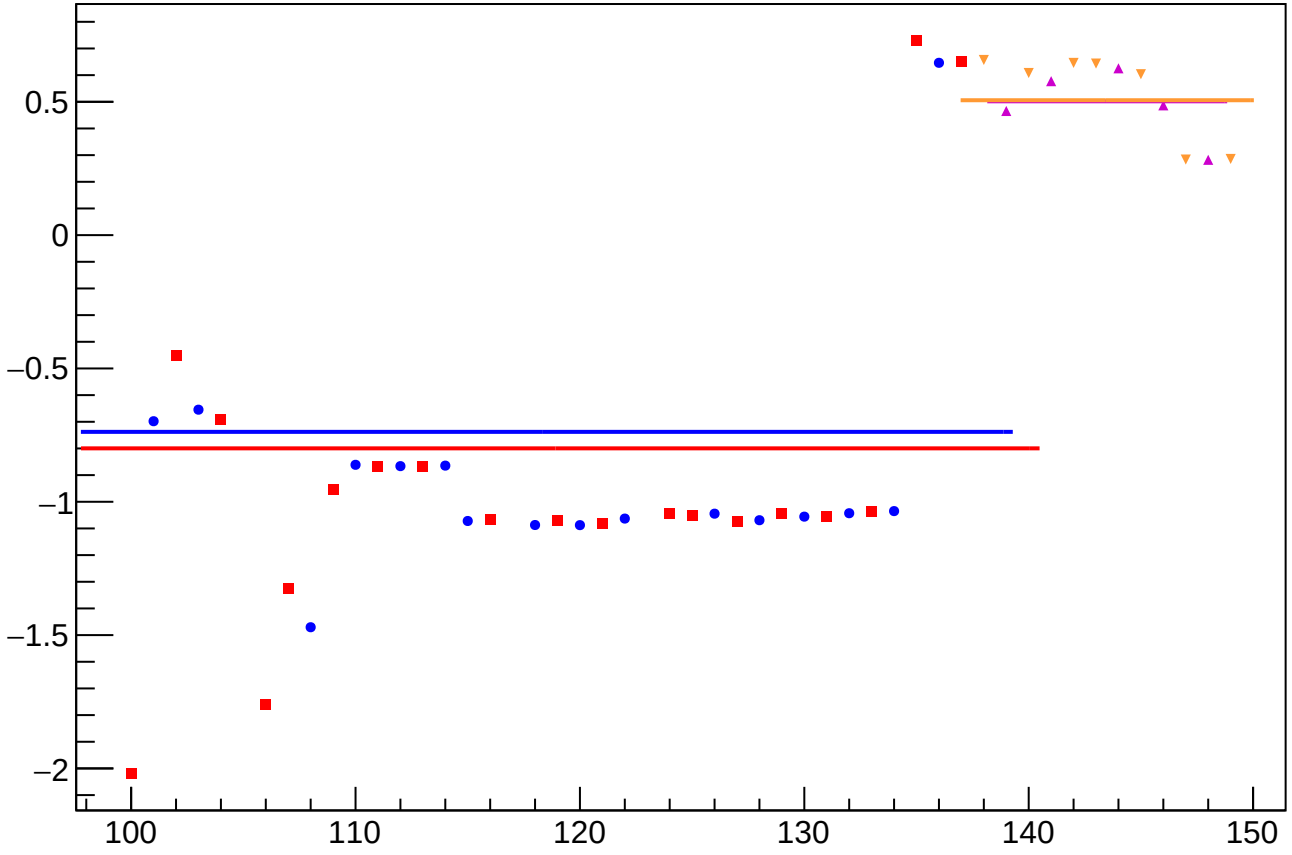
Left In: 0.008+/-0.000 χ^2/NDF:2282798.4/4

+ sign 0.012+/-0.000 χ^2/NDF: 4470801.0/22

All: 0.011+/-0.000 χ^2/NDF: 9582452.4/46

- sign 0.011+/-0.000 χ^2/NDF: 5065198.3/23

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.506+/-0.000 χ^2/NDF:127078285.0/6

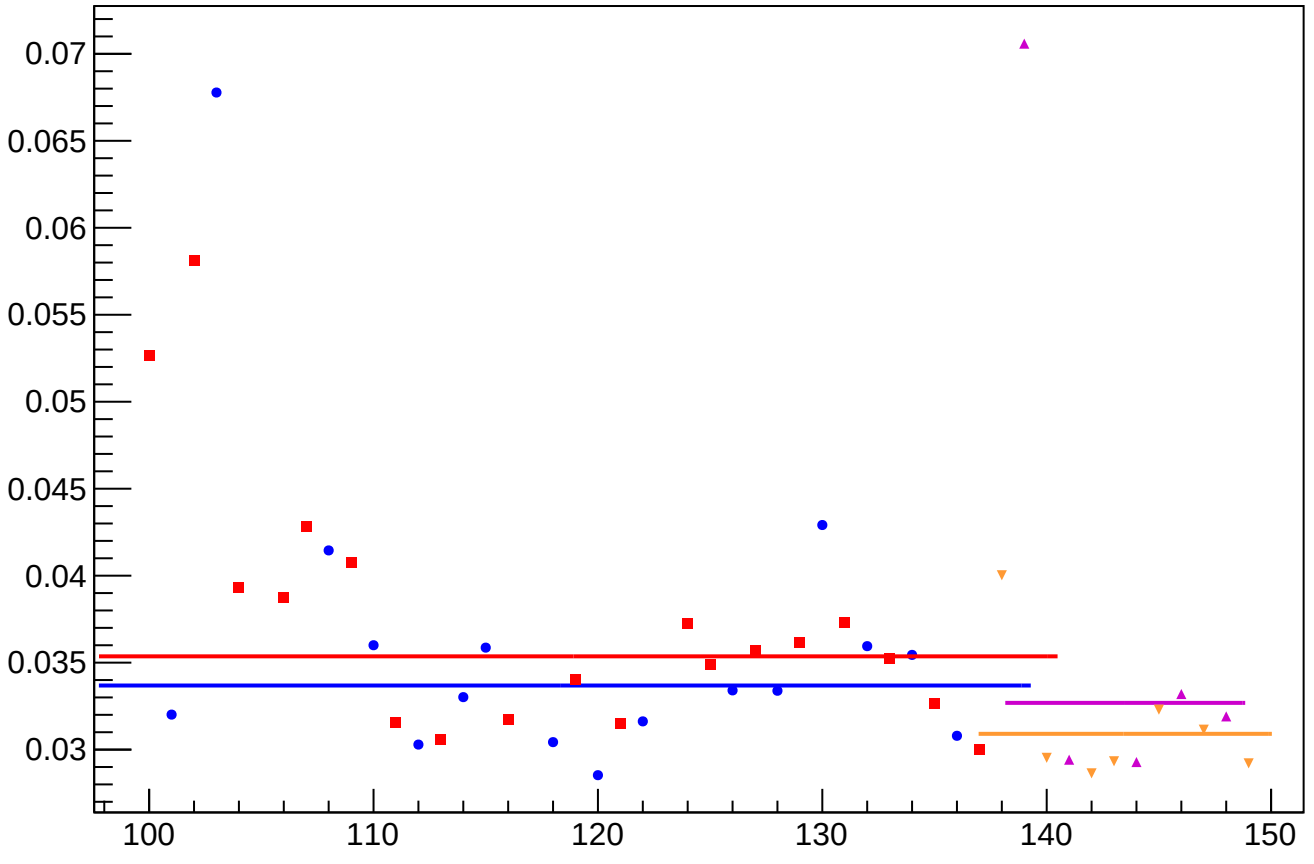
Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.502+/-0.000 χ^2/NDF:55079600.4/4

+ sign -0.171+/-0.000 χ^2/NDF: 6115247469.2/22

All: -0.222+/-0.000 χ^2/NDF: 11587400078.3/

- sign -0.283+/-0.000 χ^2/NDF: 5413223725.7/23



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.031+/-0.000 χ^2/NDF:85612.3/6

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

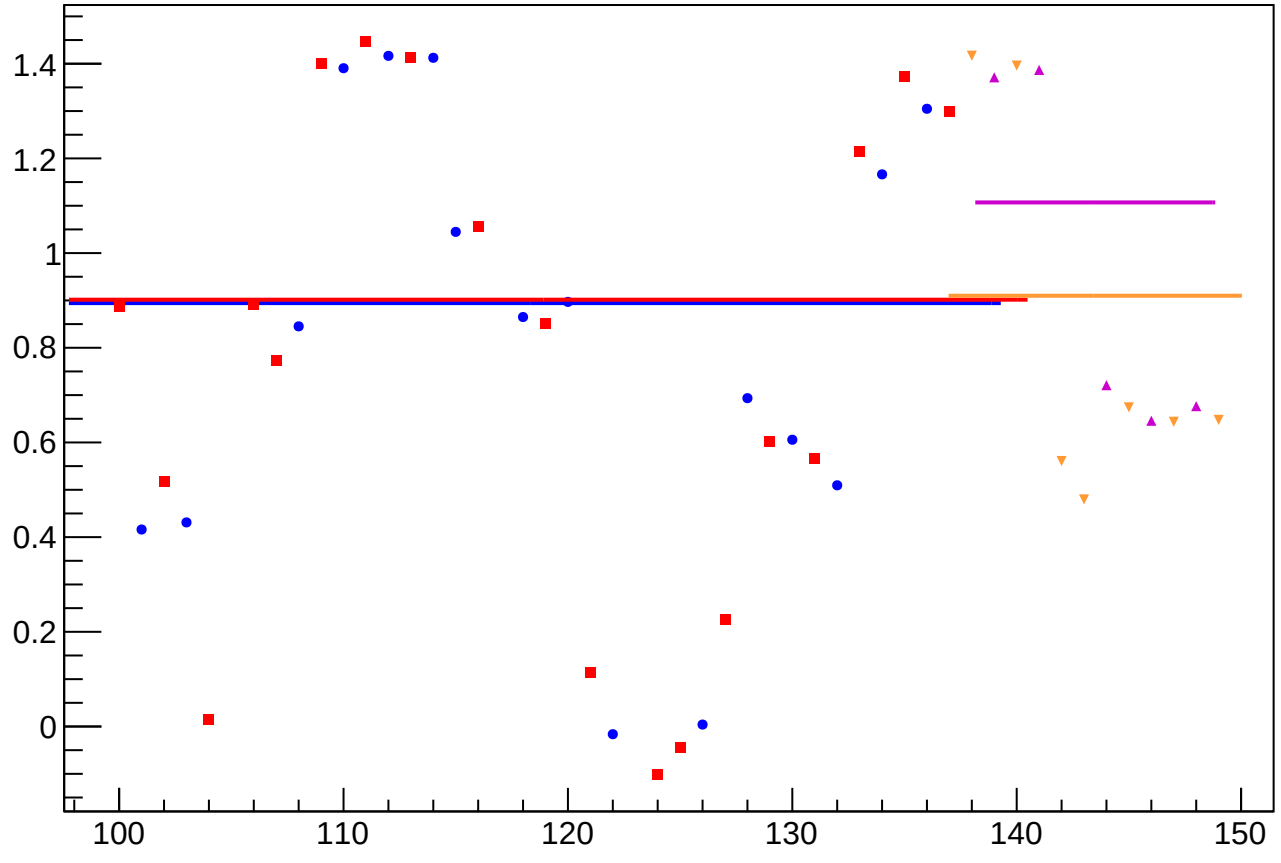
Left In: 0.033+/-0.000 χ^2/NDF:506574.5/4

+ sign 0.032+/-0.000 χ^2/NDF: 544902.2/22

All: 0.033+/-0.000 χ^2/NDF: 1410181.4/46

- sign 0.034+/-0.000 χ^2/NDF: 832279.4/23

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 0.910+/-0.000 χ^2/NDF:9992446330.3/6

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

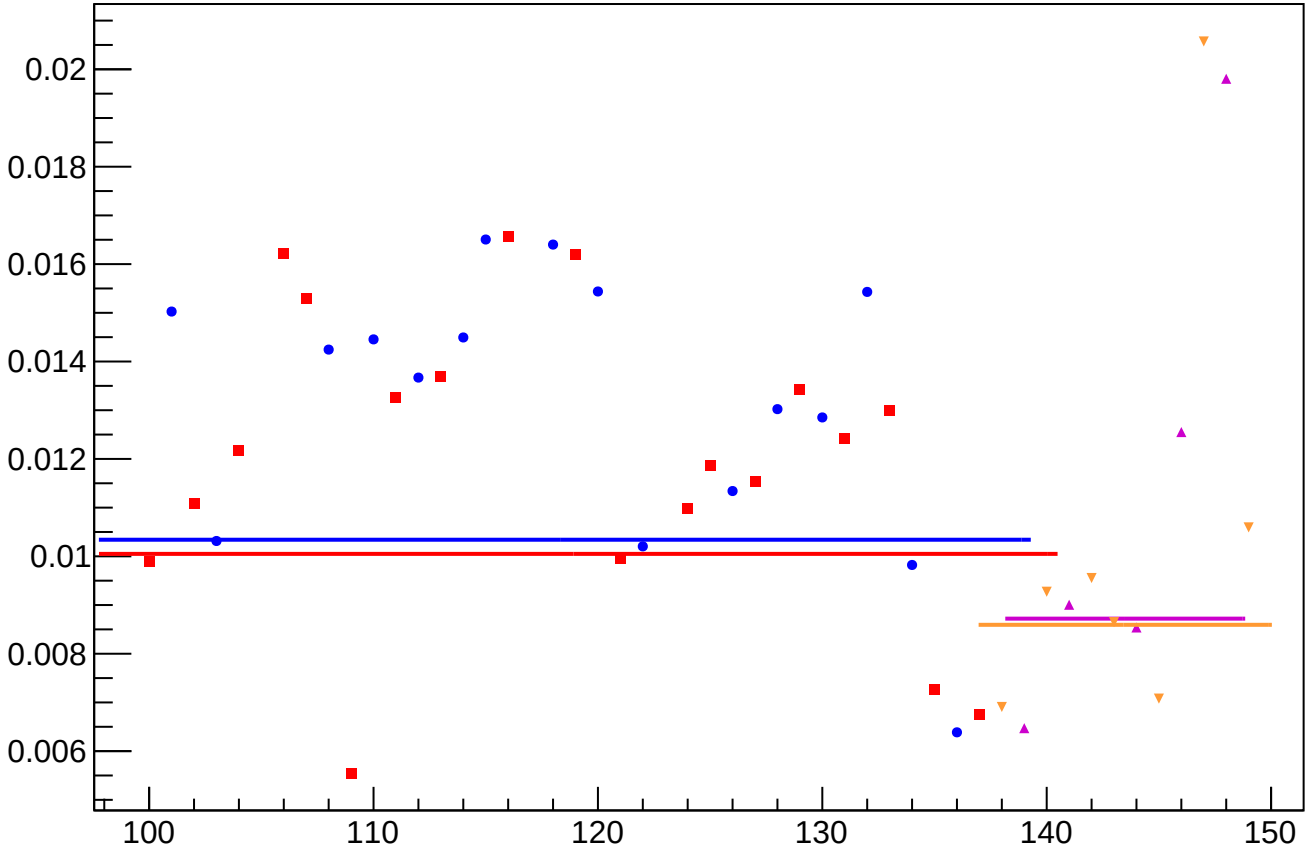
Left In: 1.107+/-0.000 χ^2/NDF:5322588518.6/4

+ sign 0.903+/-0.000 χ^2/NDF: 22749409187.1/22

All: 0.945+/-0.000 χ^2/NDF: 47549183797.8/4

- 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: 0.009+/-0.000 χ^2/NDF:775068.3/6

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

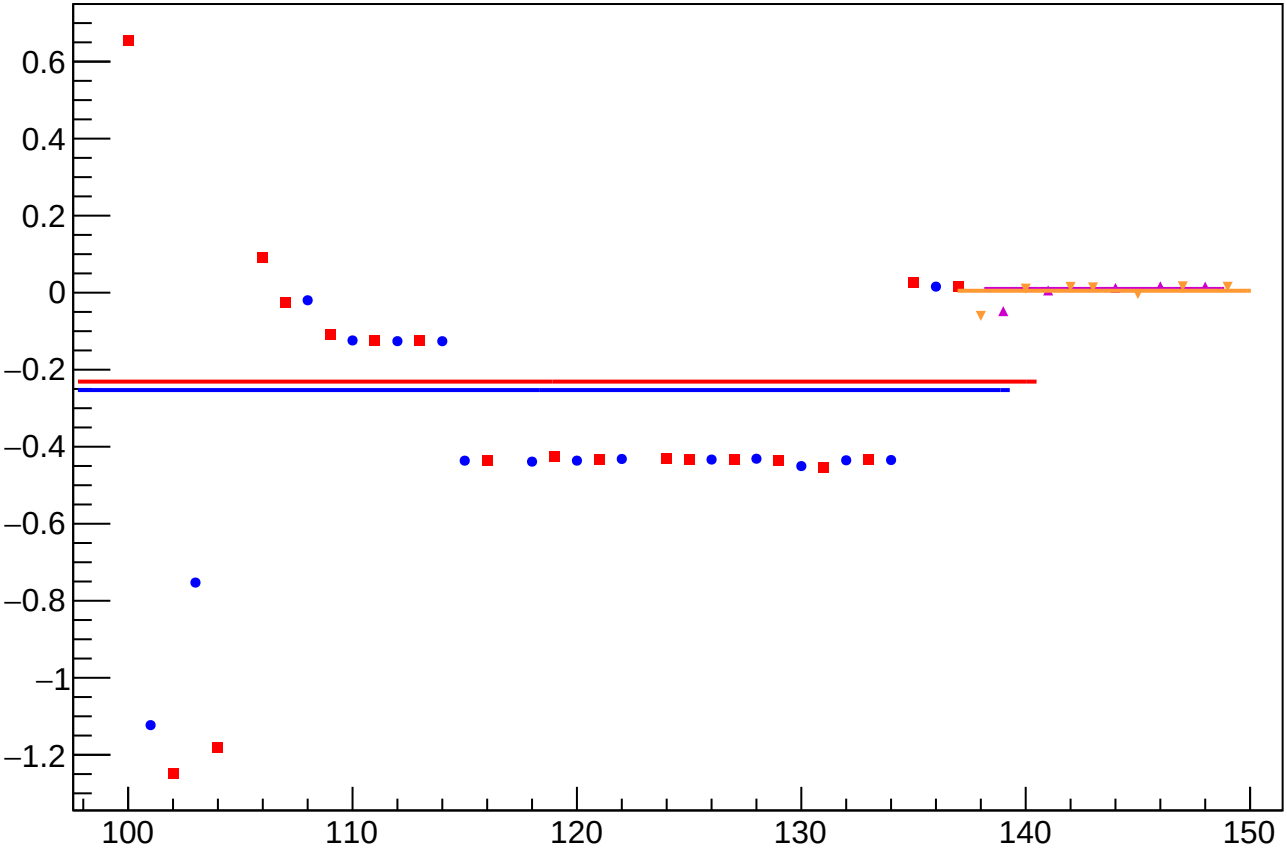
Left In: 0.009+/-0.000 χ^2/NDF:829618.2/4

+ sign 0.009+/-0.000 χ^2/NDF: 2307032.3/22

All: 0.009+/-0.000 χ^2/NDF: 4568134.0/46

- 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: 0.005+/-0.000 χ^2/NDF:19082269.2/6

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

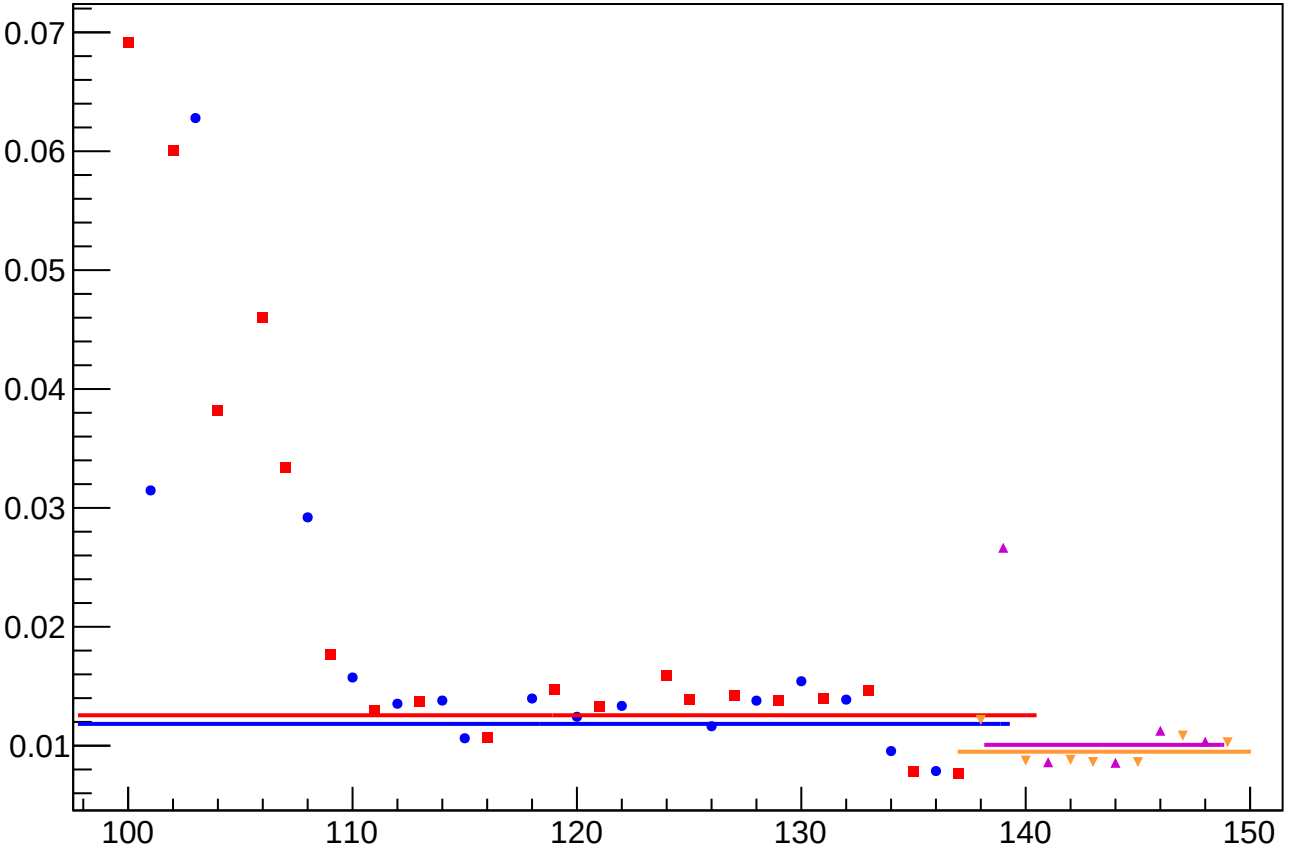
Left In: 0.010+/-0.000 χ^2/NDF:4594502.3/4

+ sign -0.107+/-0.000 χ^2/NDF: 3376856630.3/22

All: -0.109+/-0.000 χ^2/NDF: 6114229368.7/4

- 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:121805.5/6

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

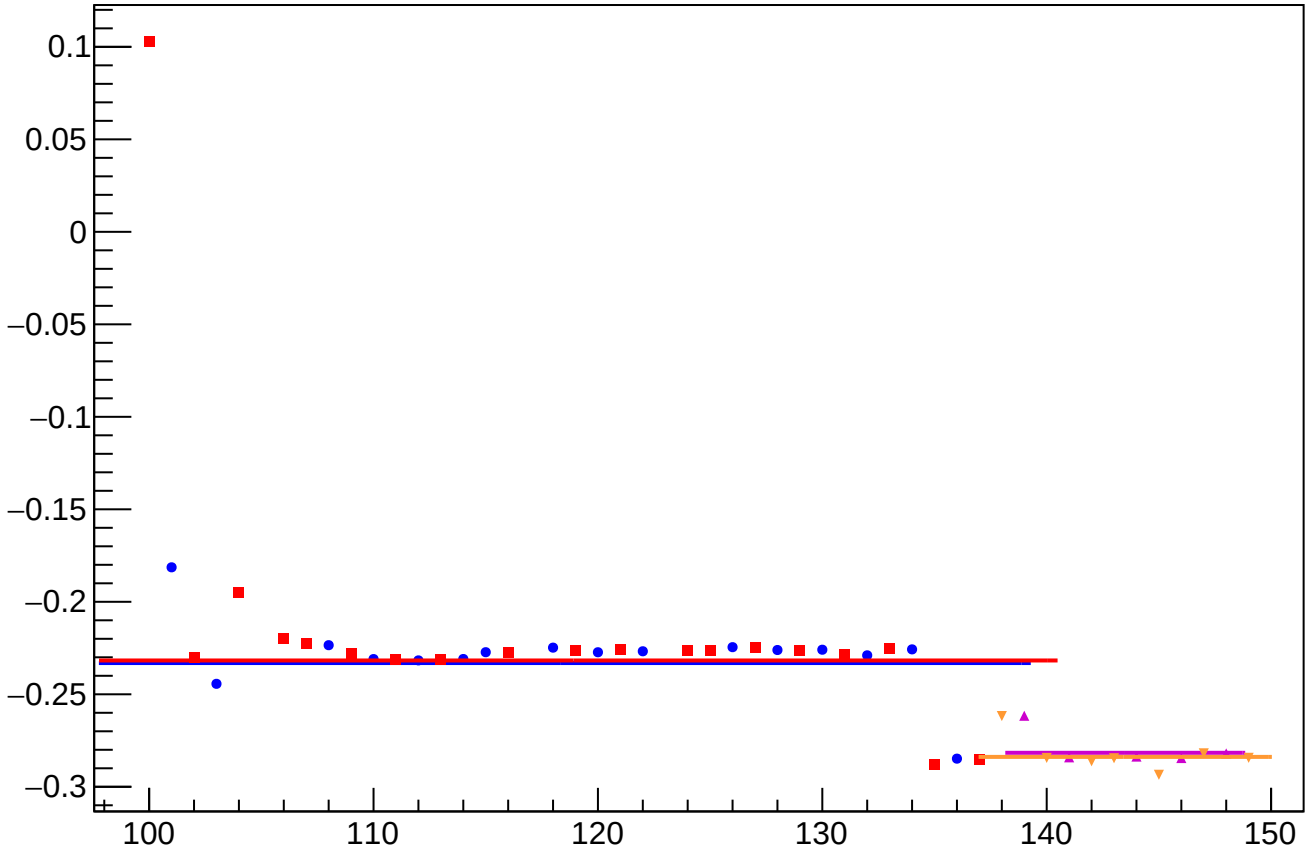
Left In: 0.010+/-0.000 χ^2/NDF:743527.3/4

+ sign 0.011+/-0.000 χ^2/NDF: 2283340.6/22

All: 0.011+/-0.000 χ^2/NDF: 5486958.0/46

- 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:14462855.5/6

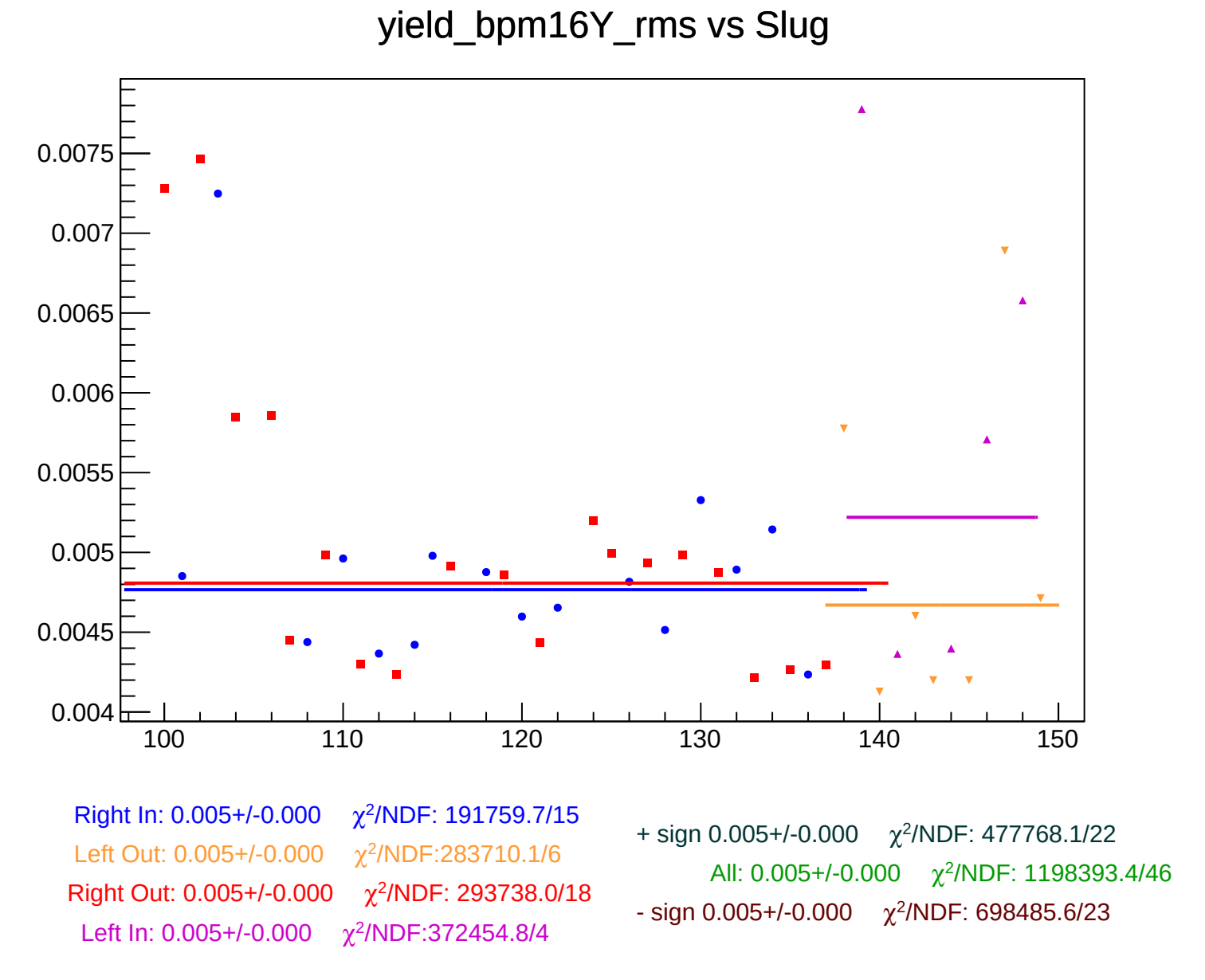
Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

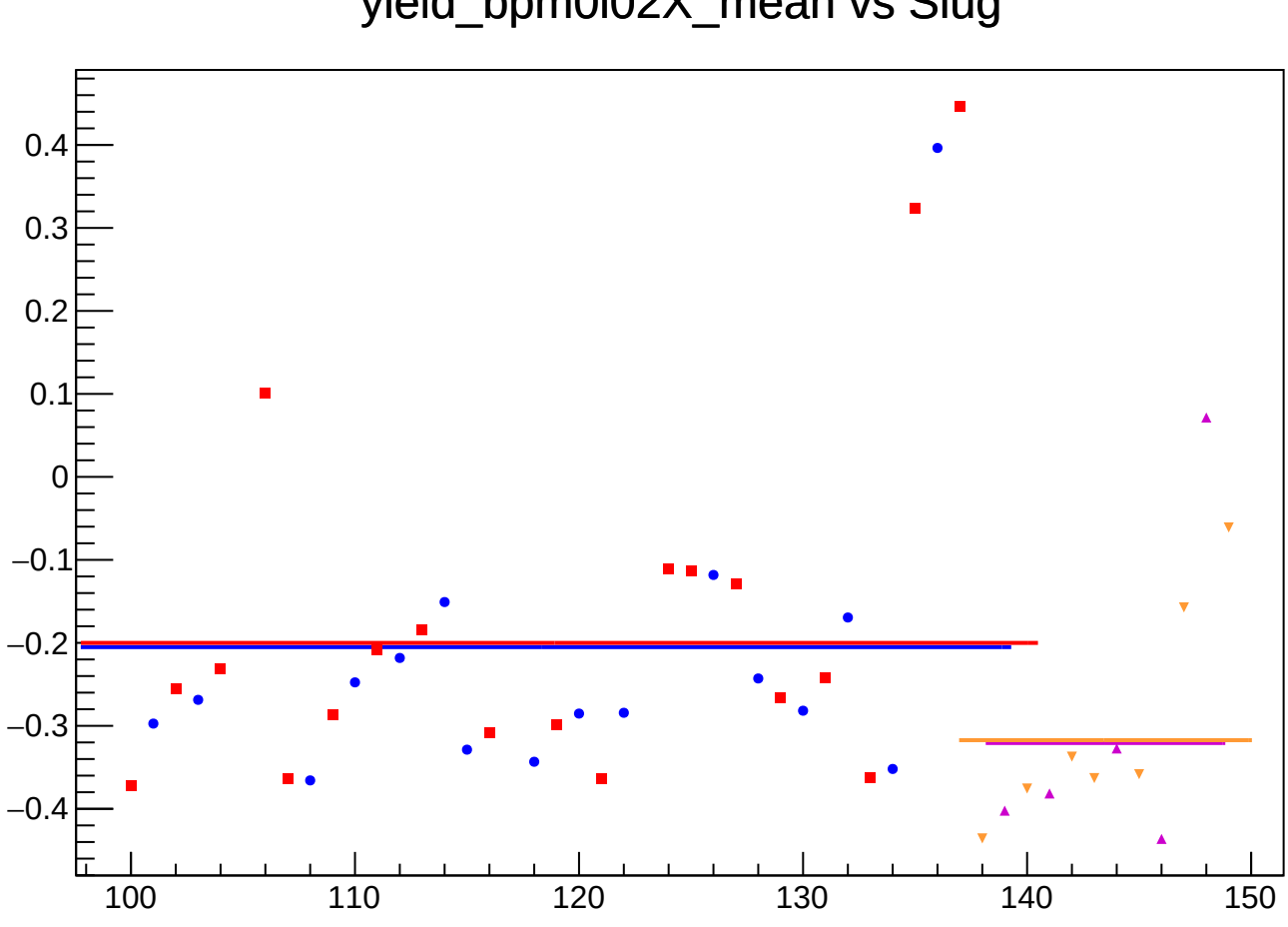
Left In: -0.282+/-0.000 χ^2/NDF:5939158.6/4

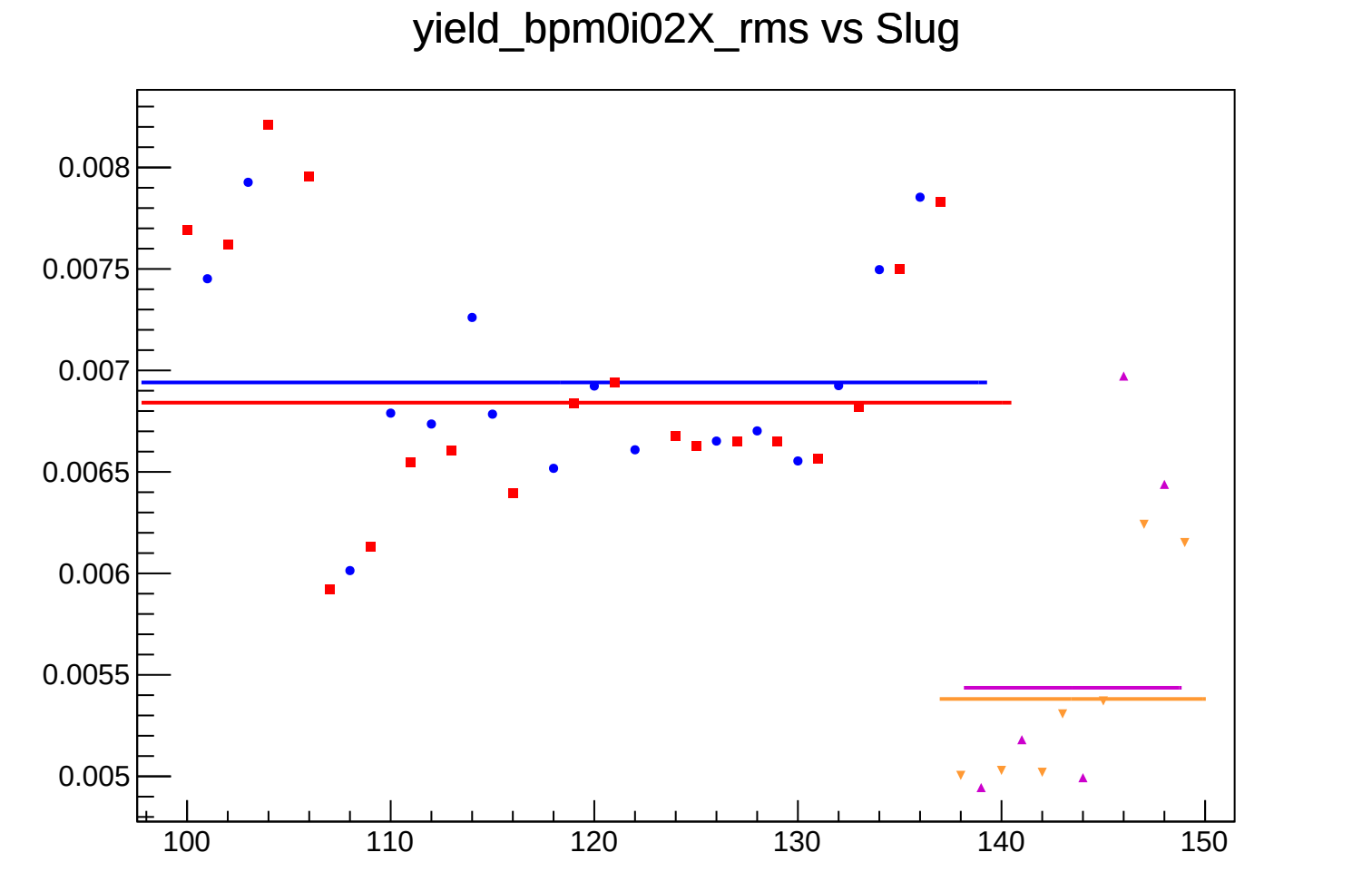
+ sign -0.255+/-0.000 χ^2/NDF: 532221646.1/22

All: -0.252+/-0.000 χ^2/NDF: 1074044734.2/4

- sign -0.248+/-0.000 χ^2/NDF: 529726078.5/23


yield_bpm16Y_rms vs Slug
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
100
110
120
130
140
150
Right In: 0.005+/-0.000 χ²/NDF: 191759.7/15
Left Out: 0.005+/-0.000 χ²/NDF:283710.1/6
Right Out: 0.005+/-0.000 χ²/NDF: 293738.0/18
Left In: 0.005+/-0.000 χ²/NDF:372454.8/4
+ sign 0.005+/-0.000 χ²/NDF: 477768.1/22
All: 0.005+/-0.000 χ²/NDF: 1198393.4/46
- sign 0.005+/-0.000 χ²/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: -0.317+/-0.000 χ²/NDF:2413328266.8/6
Right Out: -0.200+/-0.000 χ²/NDF: 5249978819.5/18
Left In: -0.321+/-0.000 χ²/NDF:3134980921.0/4
+ sign -0.265+/-0.000 χ²/NDF: 9588330447.8/22
All: -0.261+/-0.000 χ²/NDF: 19018668159.5/
- sign -0.256+/-0.000 χ²/NDF: 9415929172.1/23



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:71687.7/6

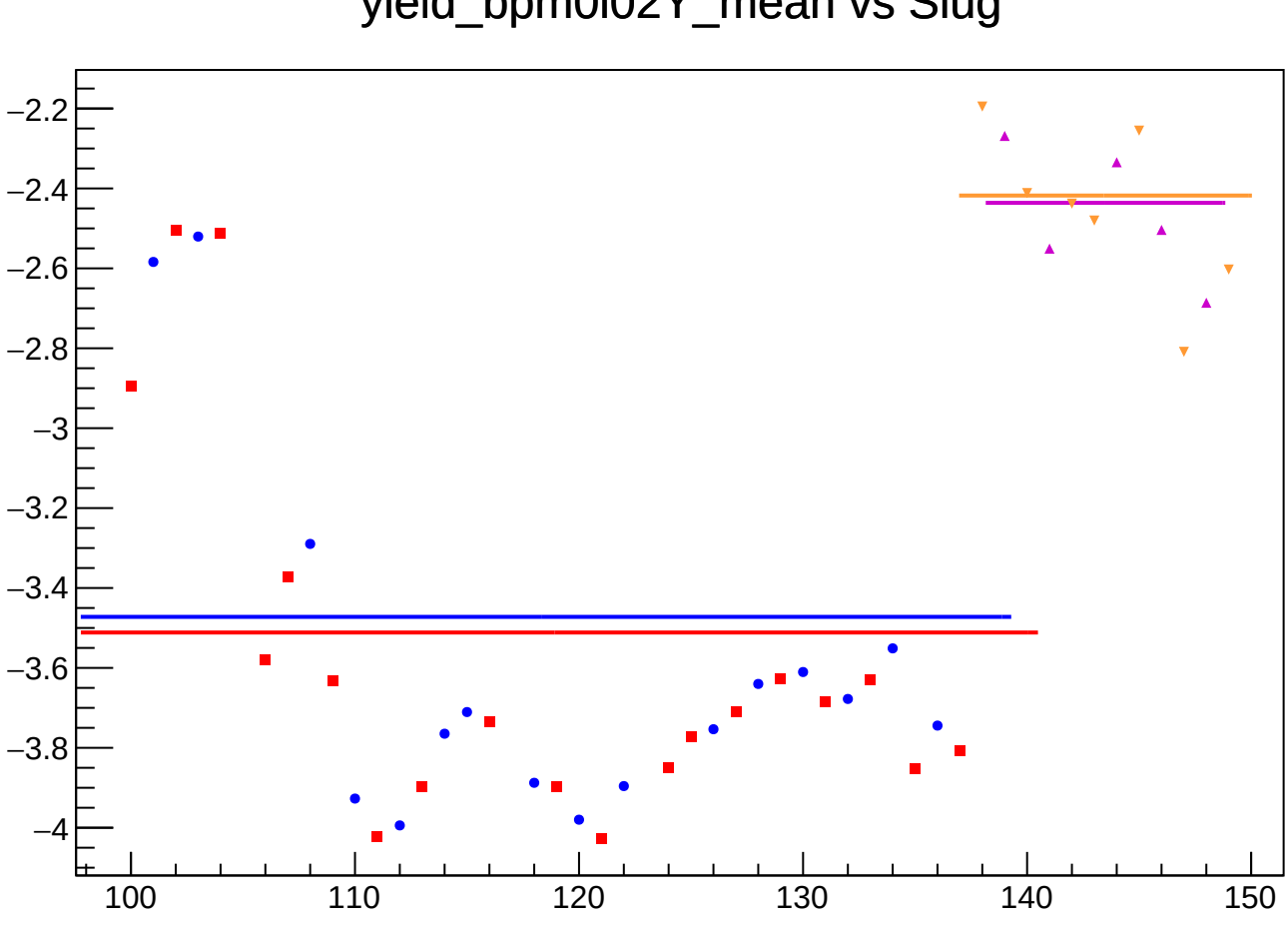
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.005+/-0.000 χ^2/NDF:137756.5/4

+ sign 0.006+/-0.000 χ^2/NDF: 538060.1/22

All: 0.006+/-0.000 χ^2/NDF: 1057842.2/46

- 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: -2.418+/-0.000 χ^2/NDF:1355372625.3/6

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

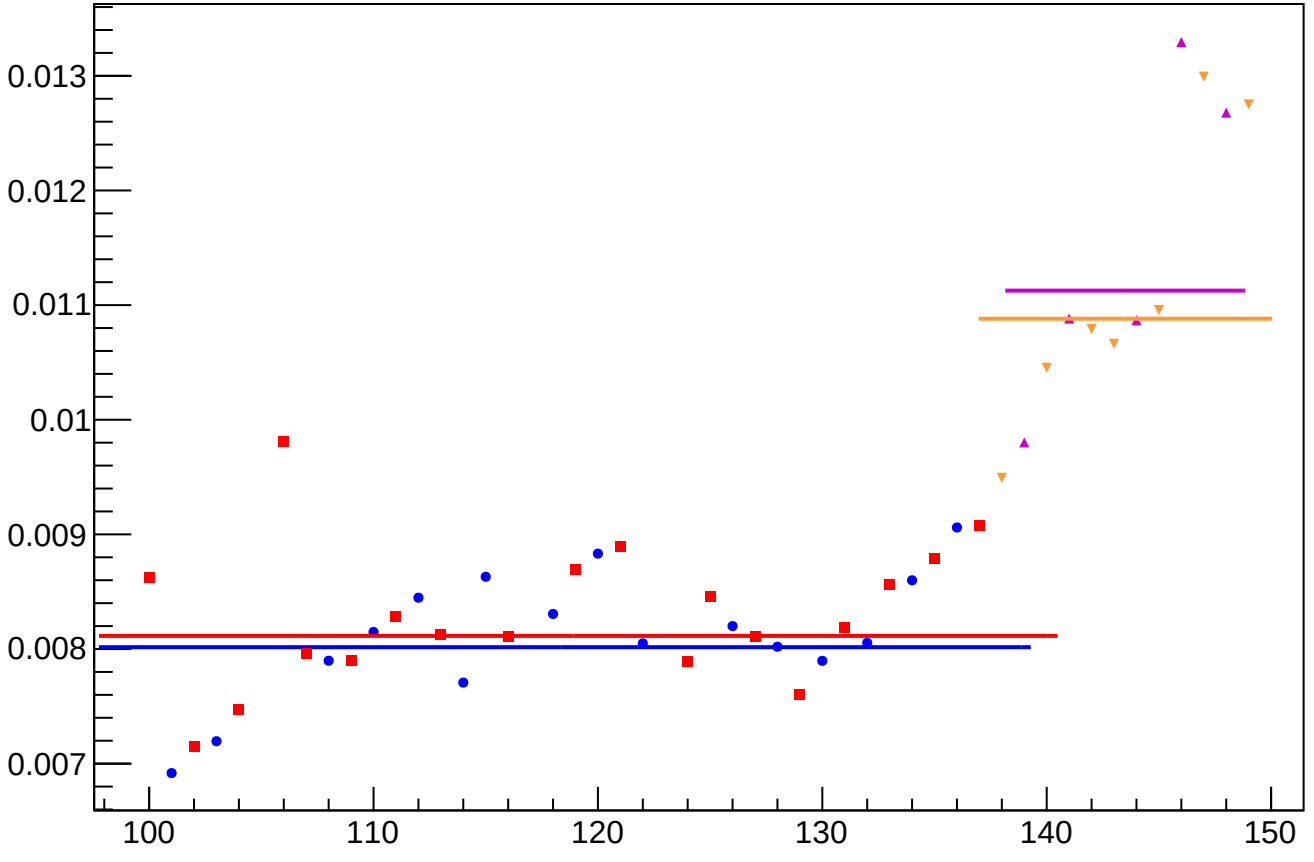
Left In: -2.436+/-0.000 χ^2/NDF:708957569.4/4

+ sign -3.184+/-0.000 χ^2/NDF: 64049948484.8/22

All: -3.224+/-0.000 χ^2/NDF: 123321890723.5

- sign -3.268+/-0.000 χ^2/NDF: 58762118353.9/23

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:102427.4/6

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

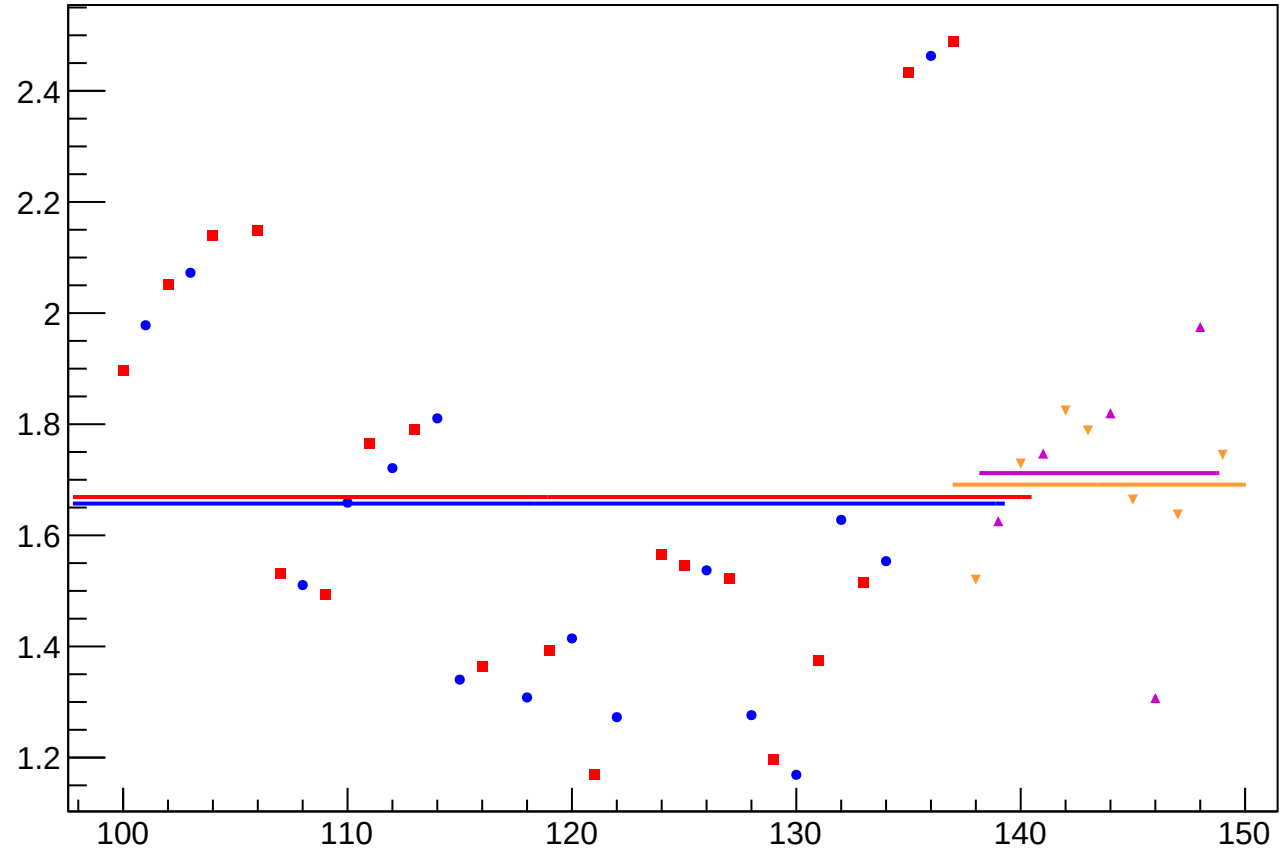
Left In: 0.011+/-0.000 χ^2/NDF:90136.0/4

+ sign 0.009+/-0.000 χ^2/NDF: 677505.8/22

All: 0.009+/-0.000 χ^2/NDF: 1283279.1/46

- sign 0.009+/-0.000 χ^2/NDF: 605772.2/23

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.691+/-0.000 χ^2/NDF:336846204.2/6

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

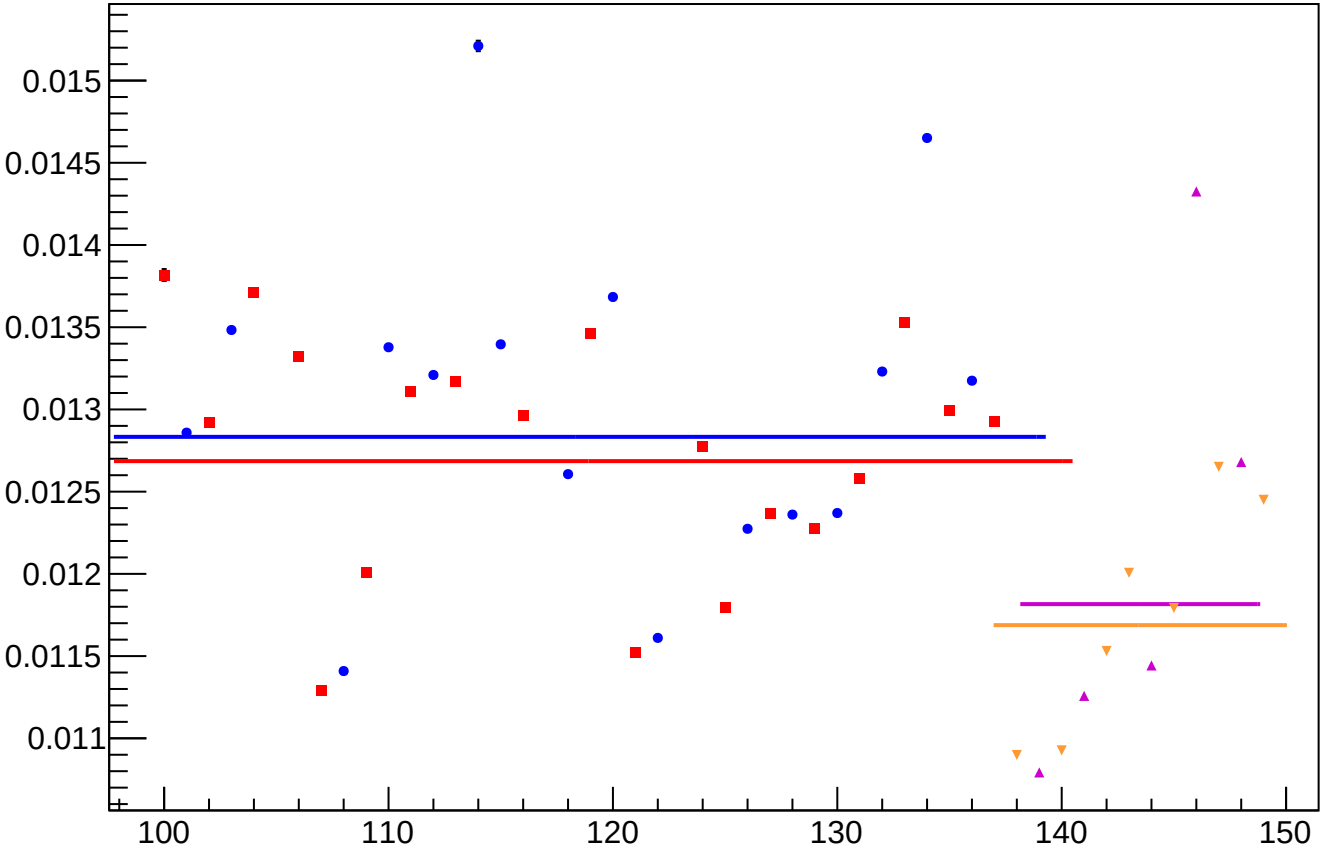
Left In: 1.712+/-0.000 χ^2/NDF:1080565575.3/4

+ sign 1.673+/-0.000 χ^2/NDF: 7025999972.5/22

All: 1.679+/-0.000 χ^2/NDF: 14502997756.5/4

- 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:31991.4/6

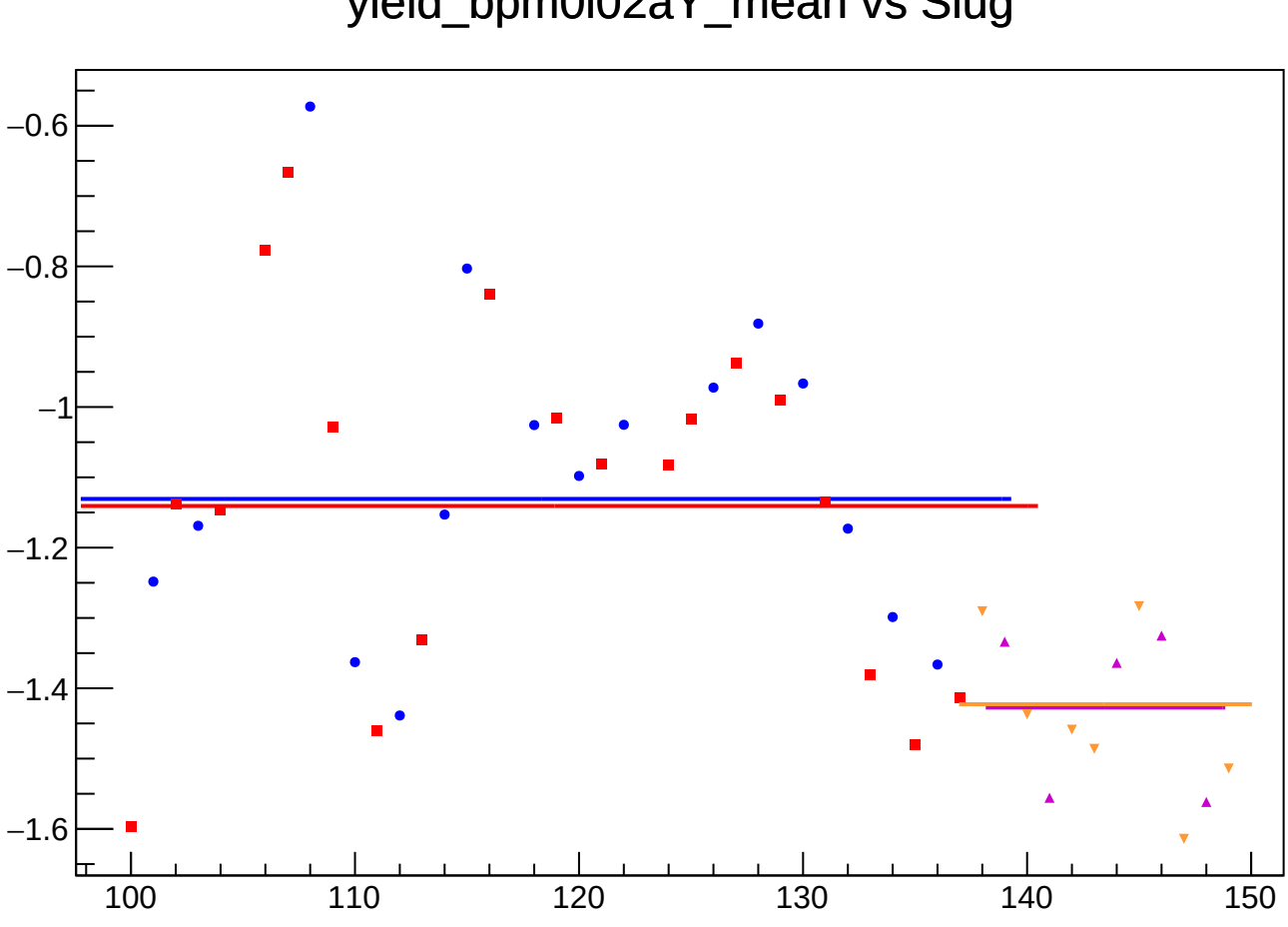
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:75831.5/4

+ sign 0.012+/-0.000 χ^2/NDF: 136528.1/22

All: 0.012+/-0.000 χ^2/NDF: 282365.7/46

- 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: -1.423+/-0.000 χ^2/NDF:699037556.4/6

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

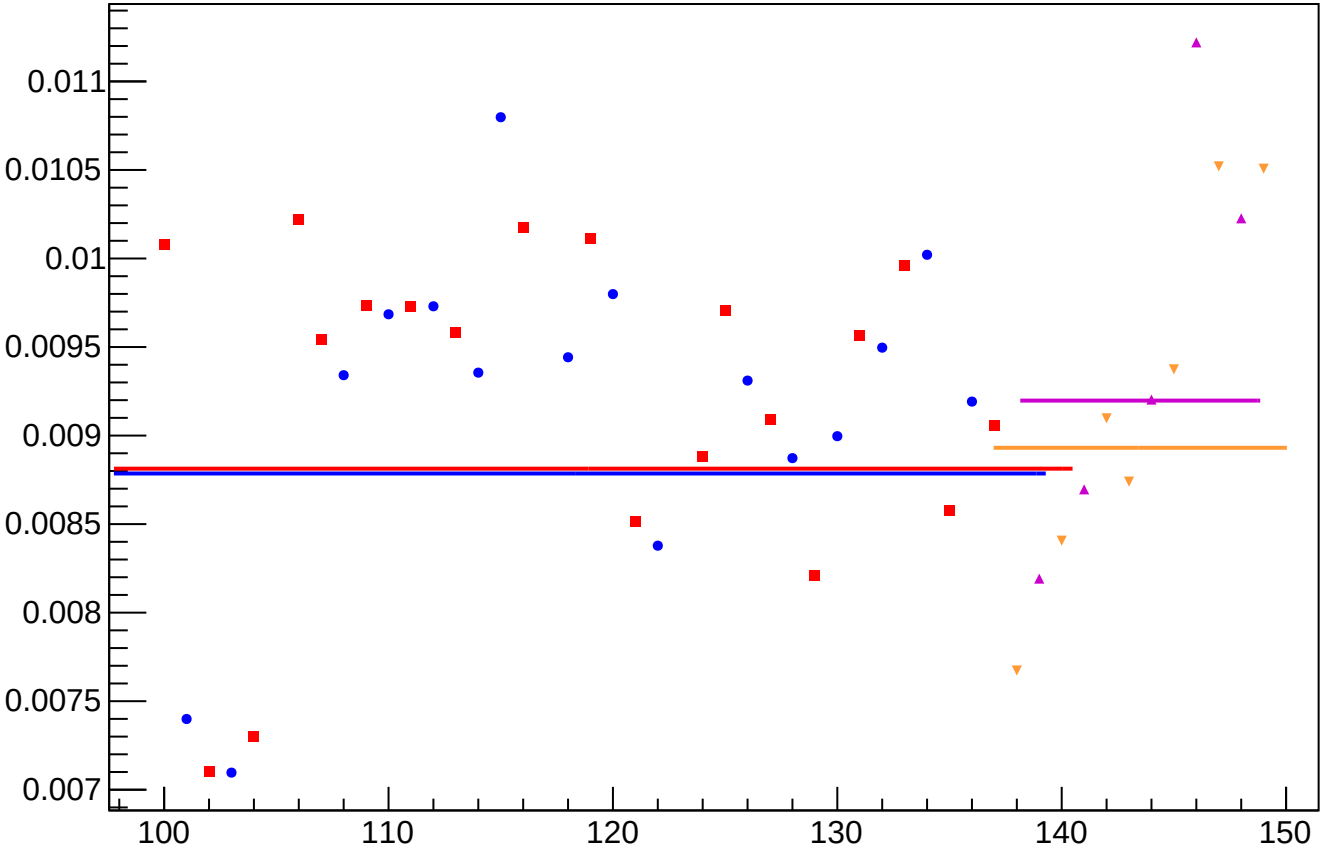
Left In: -1.427+/-0.000 χ^2/NDF:514718456.2/4

+ sign -1.249+/-0.000 χ^2/NDF: 7548018409.6/22

All: -1.244+/-0.000 χ^2/NDF: 14111573692.1/

- 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:113466.5/6

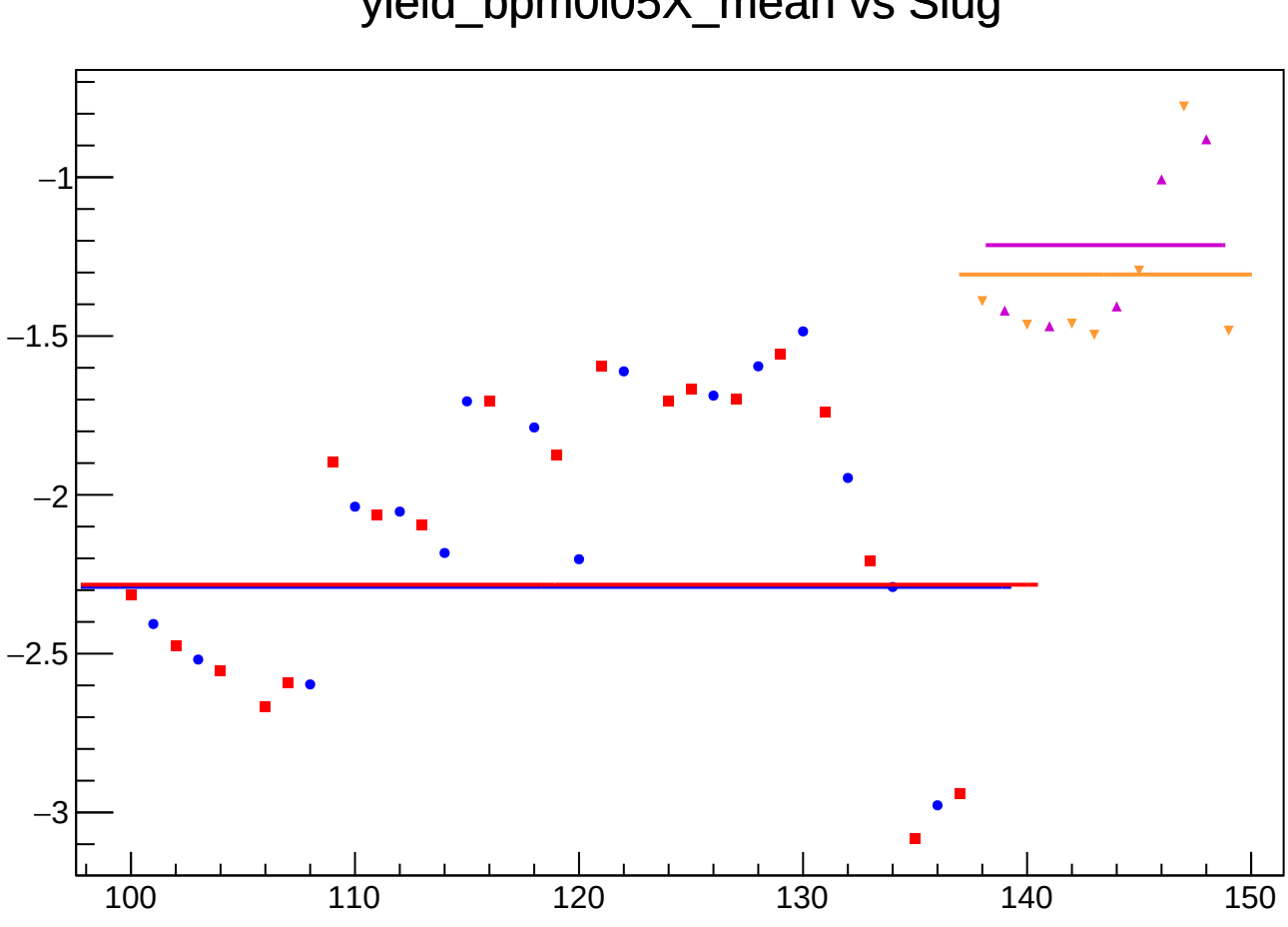
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:89916.7/4

+ sign 0.009+/-0.000 χ^2/NDF: 288457.8/22

All: 0.009+/-0.000 χ^2/NDF: 593189.1/46

- 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: -1.306+/-0.000 χ^2/NDF:4712173575.3/6

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

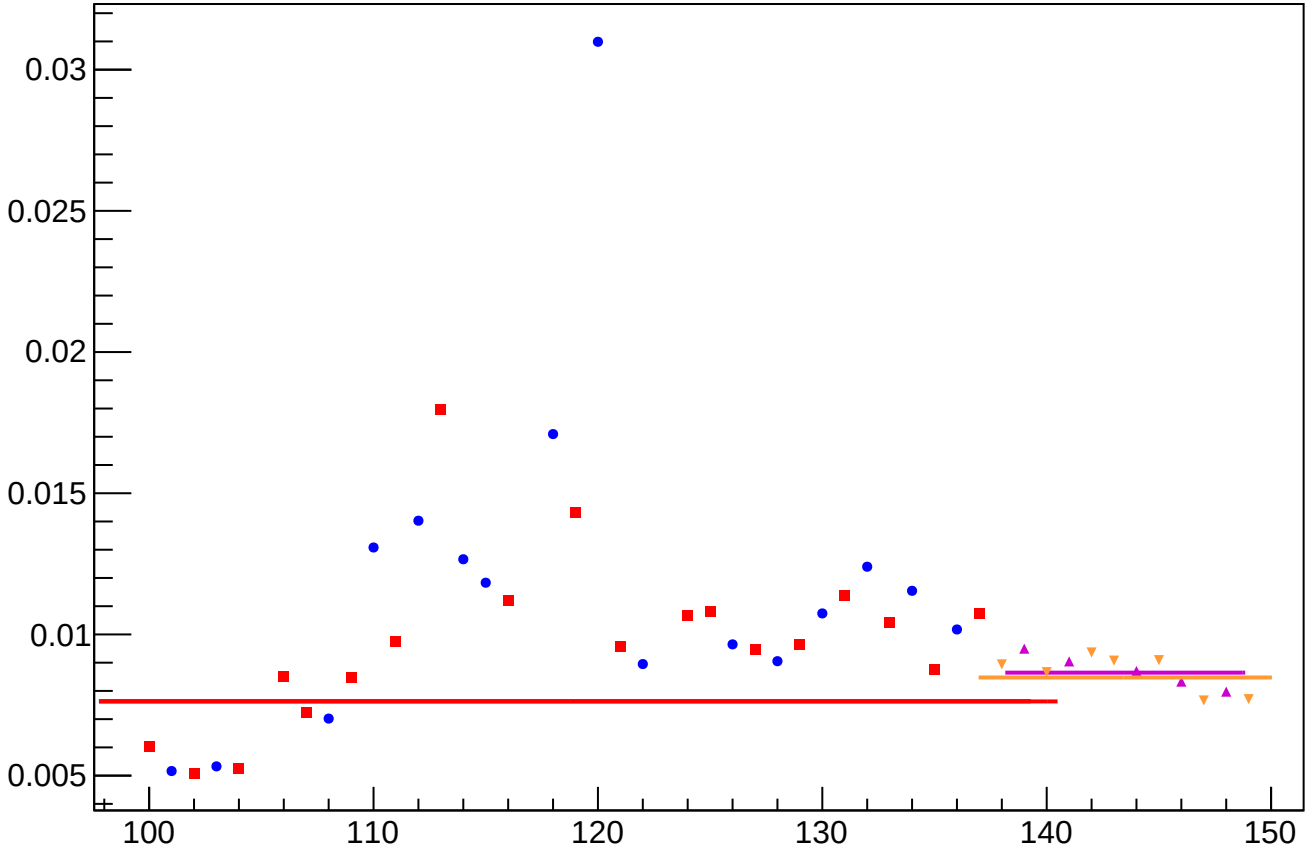
Left In: -1.214+/-0.000 χ^2/NDF:3221502049.6/4

+ sign -1.868+/-0.000 χ^2/NDF: 56119950734.0/22

All: -1.886+/-0.000 χ^2/NDF: 115104238125.4

- 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: 0.008+/-0.000 χ^2/NDF:56029.7/6

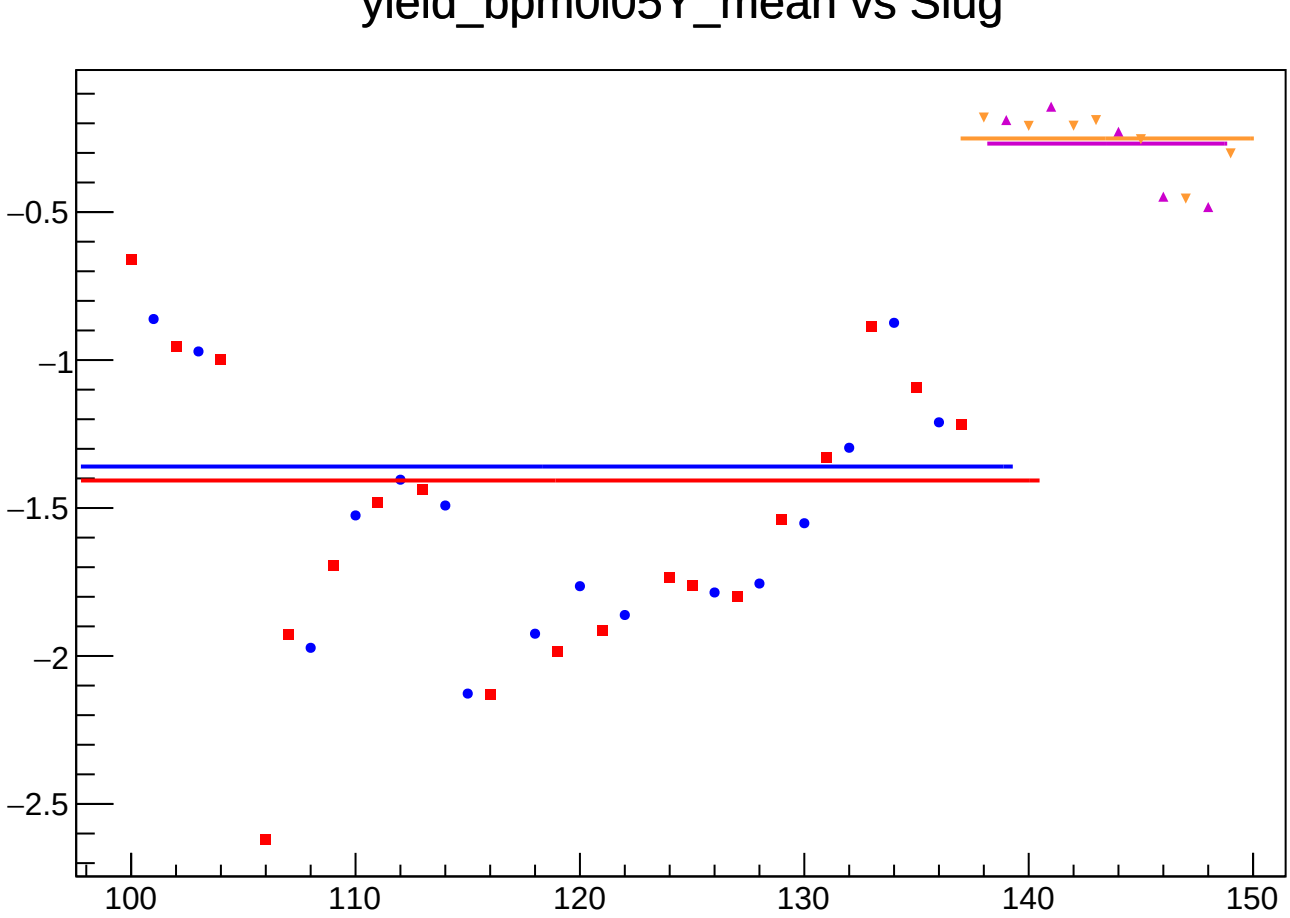
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:28272.4/4

+ sign 0.008+/-0.000 χ^2/NDF: 1819940.2/22

All: 0.008+/-0.000 χ^2/NDF: 3236189.3/46

- 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: -0.251+/-0.000 χ^2/NDF:1702823795.6/6

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

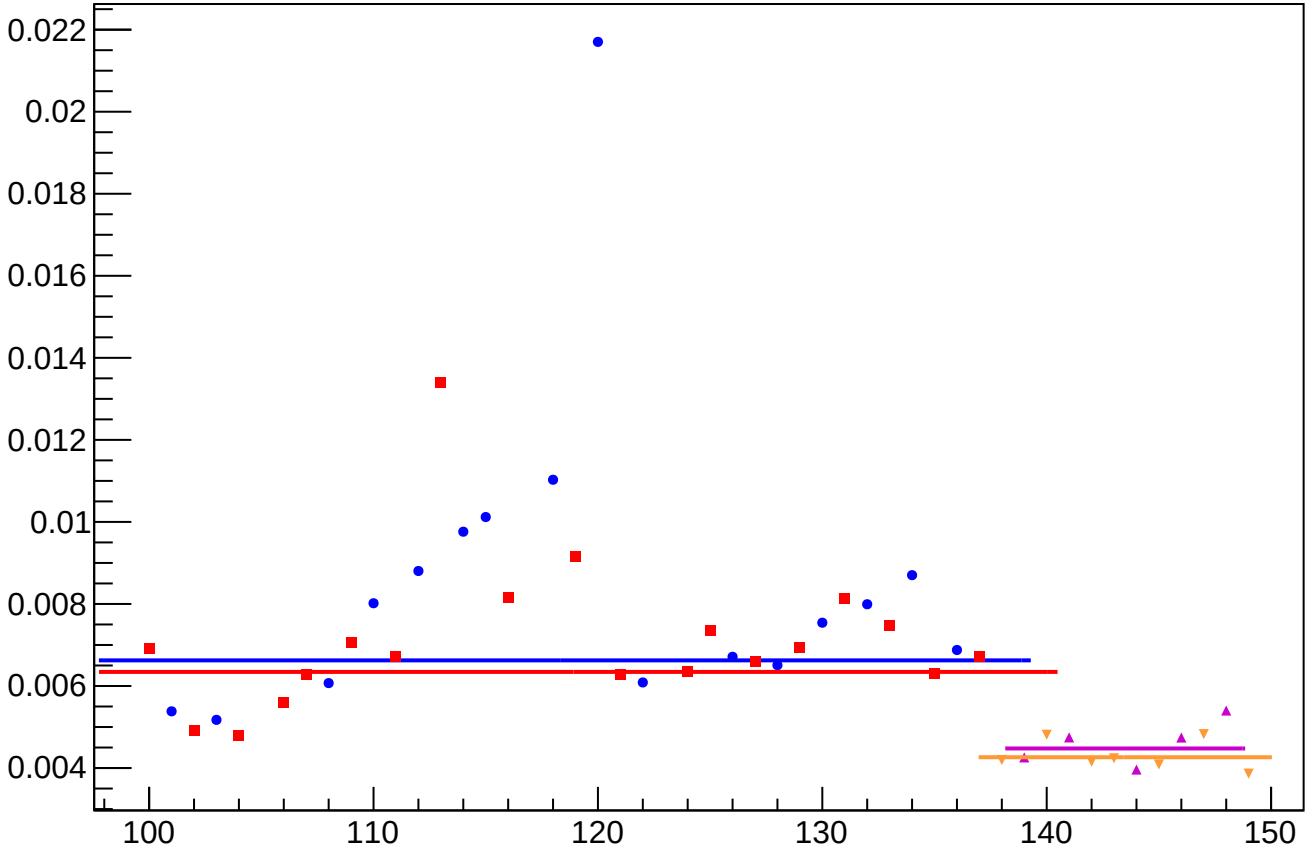
Left In: -0.269+/-0.000 χ^2/NDF:2894175393.8/4

+ sign -0.626+/-0.000 χ^2/NDF: 130495625228.6/22

All: -0.698+/-0.000 χ^2/NDF: 275989177554.6

- 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:56110.7/6

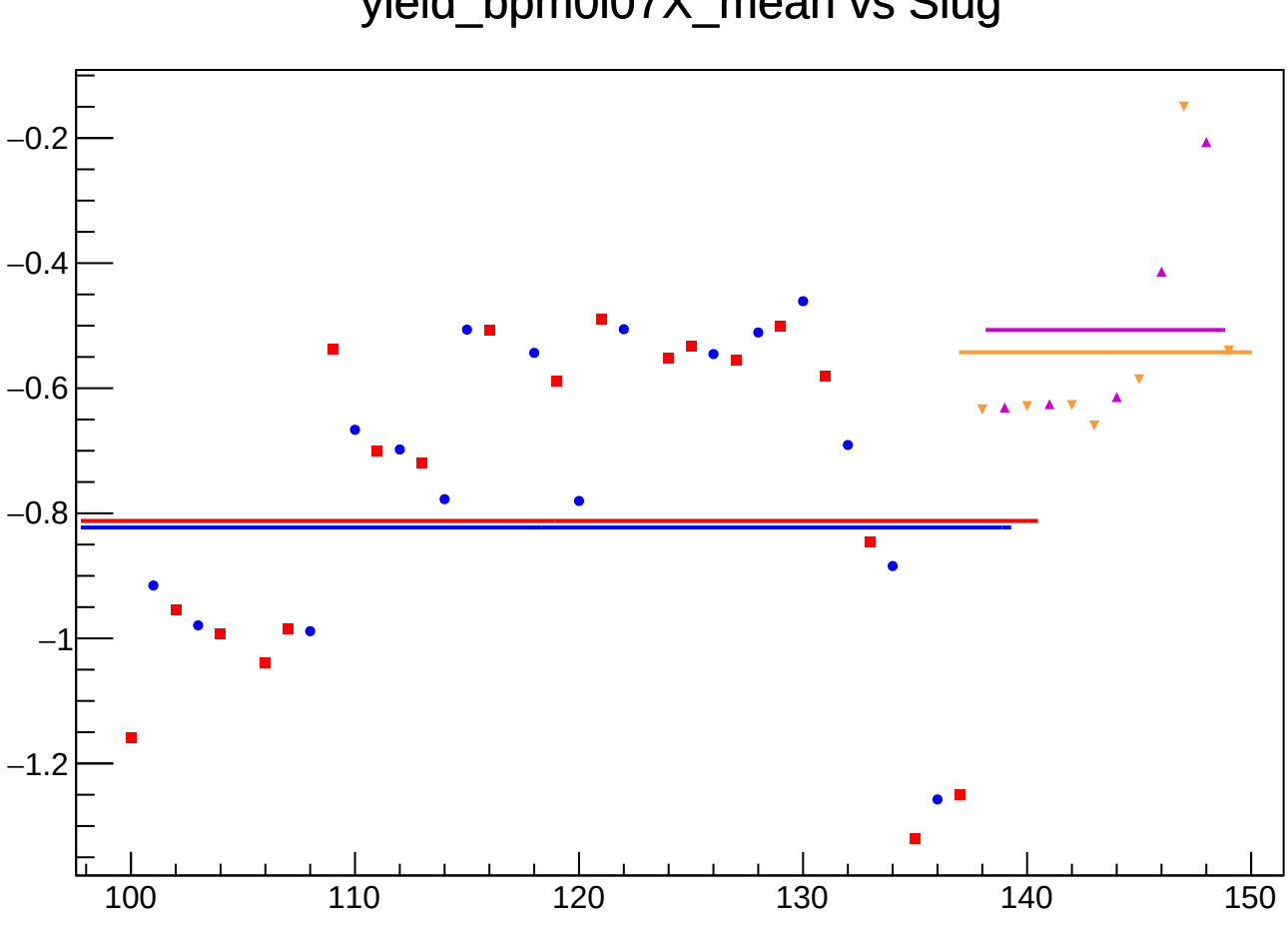
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:77701.0/4

+ sign 0.005+/-0.000 χ^2/NDF: 1723639.0/22

All: 0.005+/-0.000 χ^2/NDF: 2936792.9/46

- 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:3479788116.3/6

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

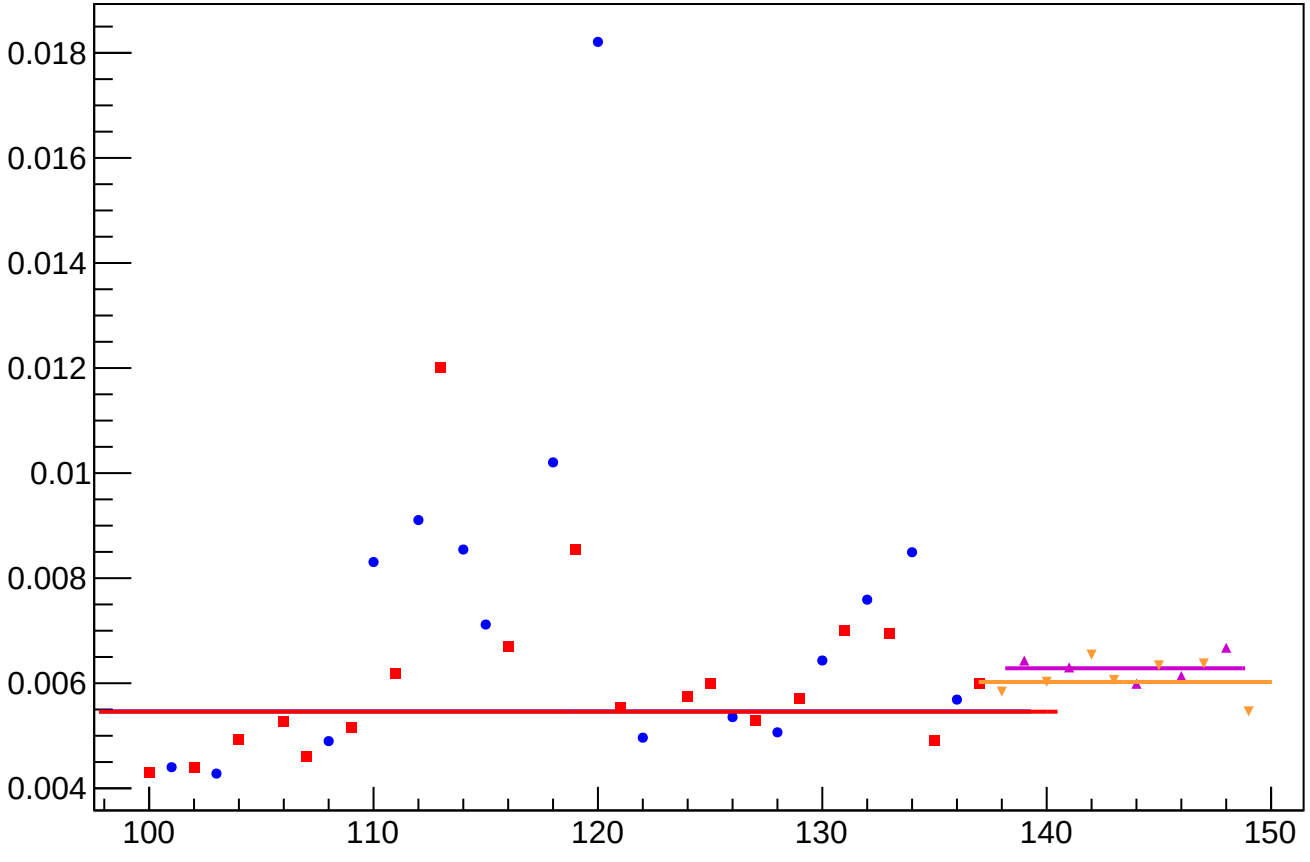
Left In: -0.507+/-0.000 χ^2/NDF:2528295627.4/4

+ sign -0.708+/-0.000 χ^2/NDF: 21647846291.2/22

All: -0.710+/-0.000 χ^2/NDF: 45149022017.8/

- 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:30268.2/6

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

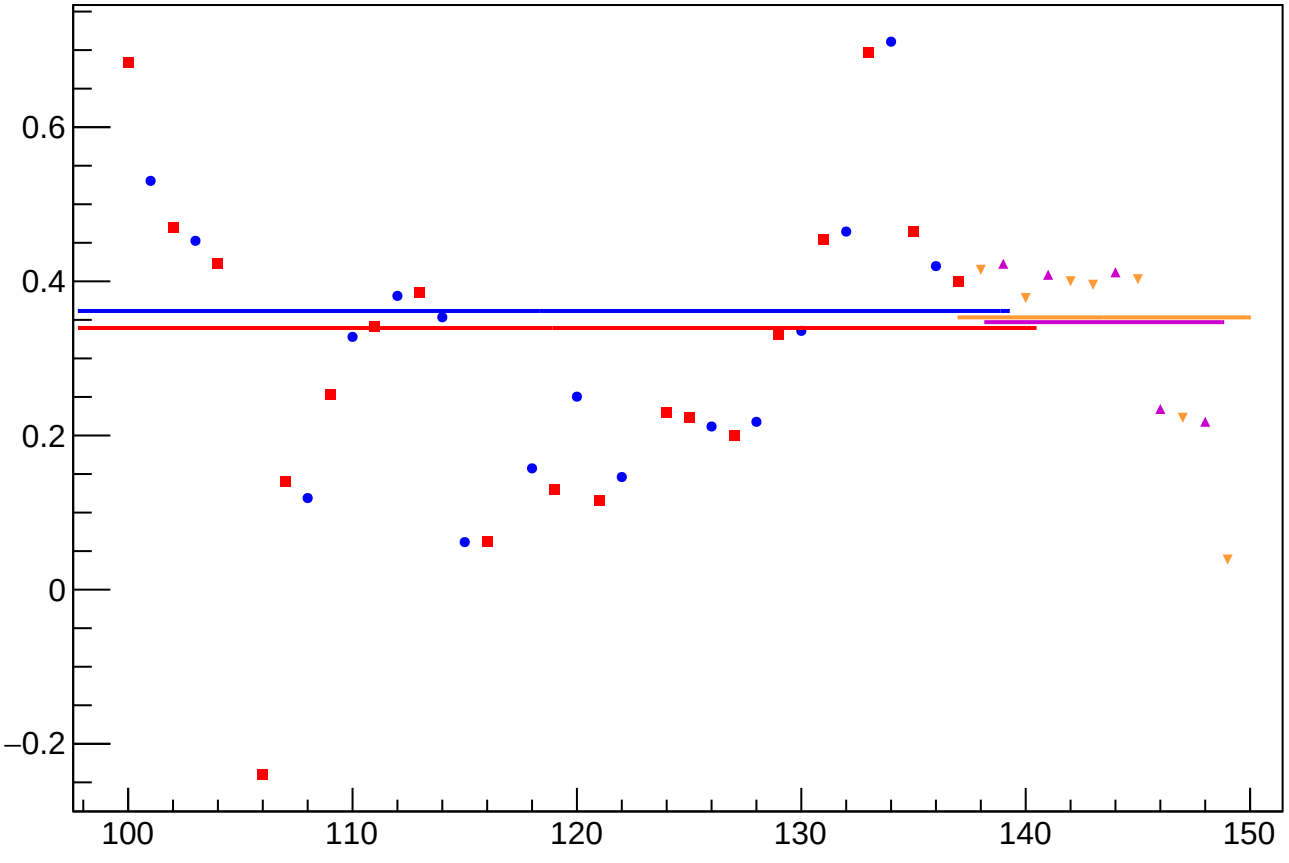
Left In: 0.006+/-0.000 χ^2/NDF:10749.8/4

+ sign 0.006+/-0.000 χ^2/NDF: 1039366.5/22

All: 0.006+/-0.000 χ^2/NDF: 1648337.2/46

- 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: 0.353+/-0.000 χ^2/NDF:2467164760.2/6

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

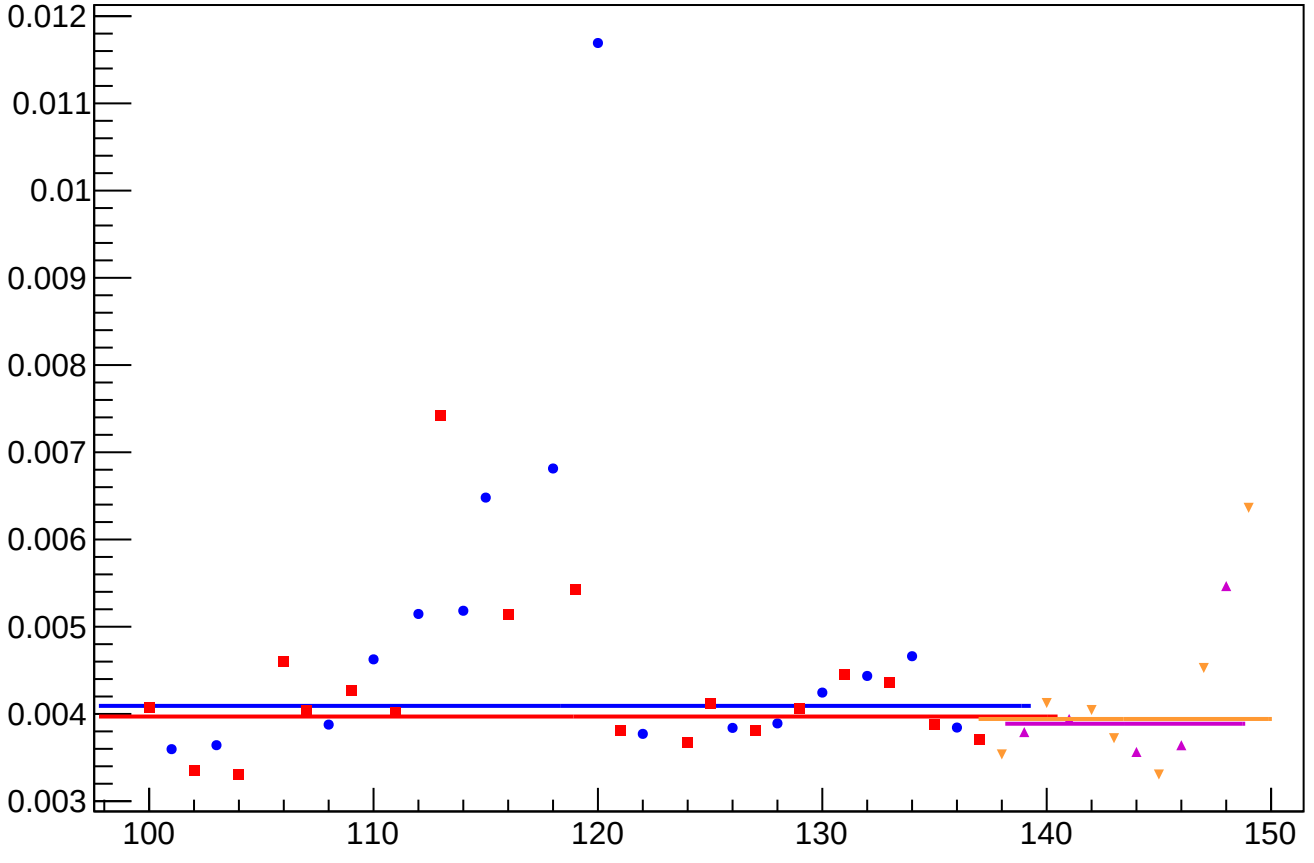
Left In: 0.347+/-0.000 χ^2/NDF:1553519982.7/4

+ sign 0.358+/-0.000 χ^2/NDF: 11252919131.1/22

All: 0.350+/-0.000 χ^2/NDF: 24966450747.4/4

- 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:271479.1/6

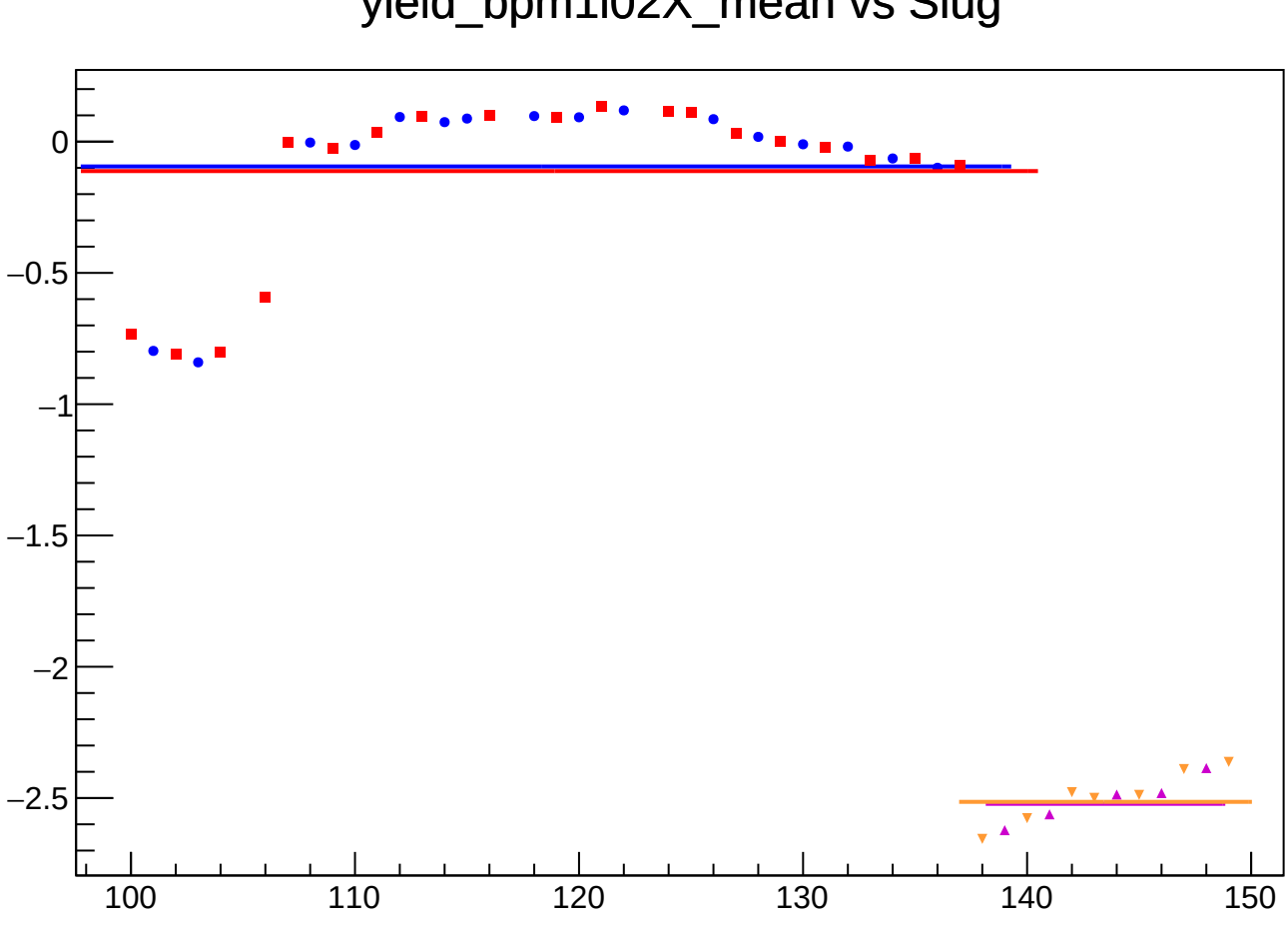
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:116191.6/4

+ sign 0.004+/-0.000 χ^2/NDF: 769571.3/22

All: 0.004+/-0.000 χ^2/NDF: 1206260.1/46

- sign 0.004+/-0.000 χ^2/NDF: 431702.4/23



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.514+/-0.000 χ^2/NDF:202972500.2/6

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

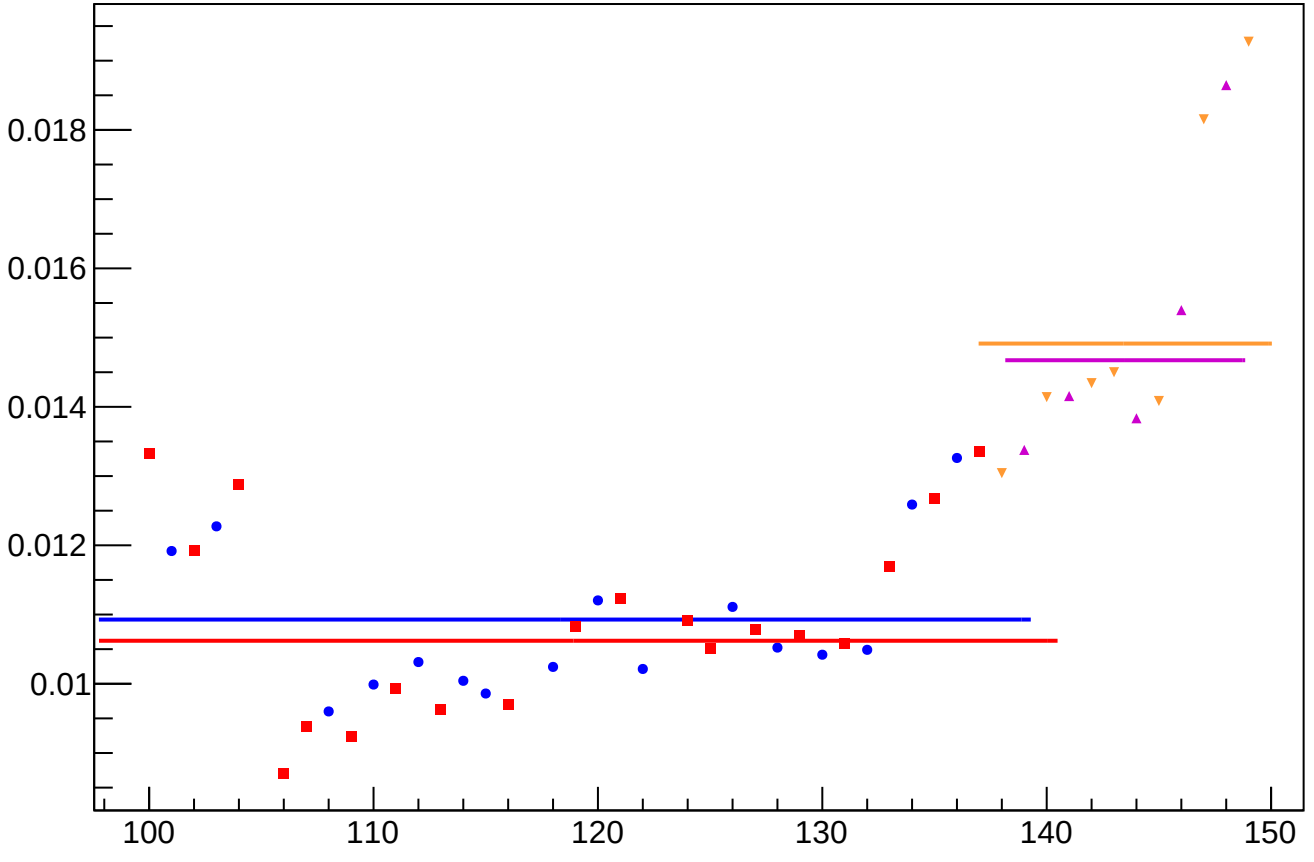
Left In: -2.522+/-0.000 χ^2/NDF:111105811.4/4

+ sign -0.777+/-0.000 χ^2/NDF: 104212090901.7/22

All: -0.726+/-0.000 χ^2/NDF: 199629388732.2

- sign -0.675+/-0.000 χ^2/NDF: 94981614970.3/23

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.015+/-0.000 χ^2/NDF:182201.3/6

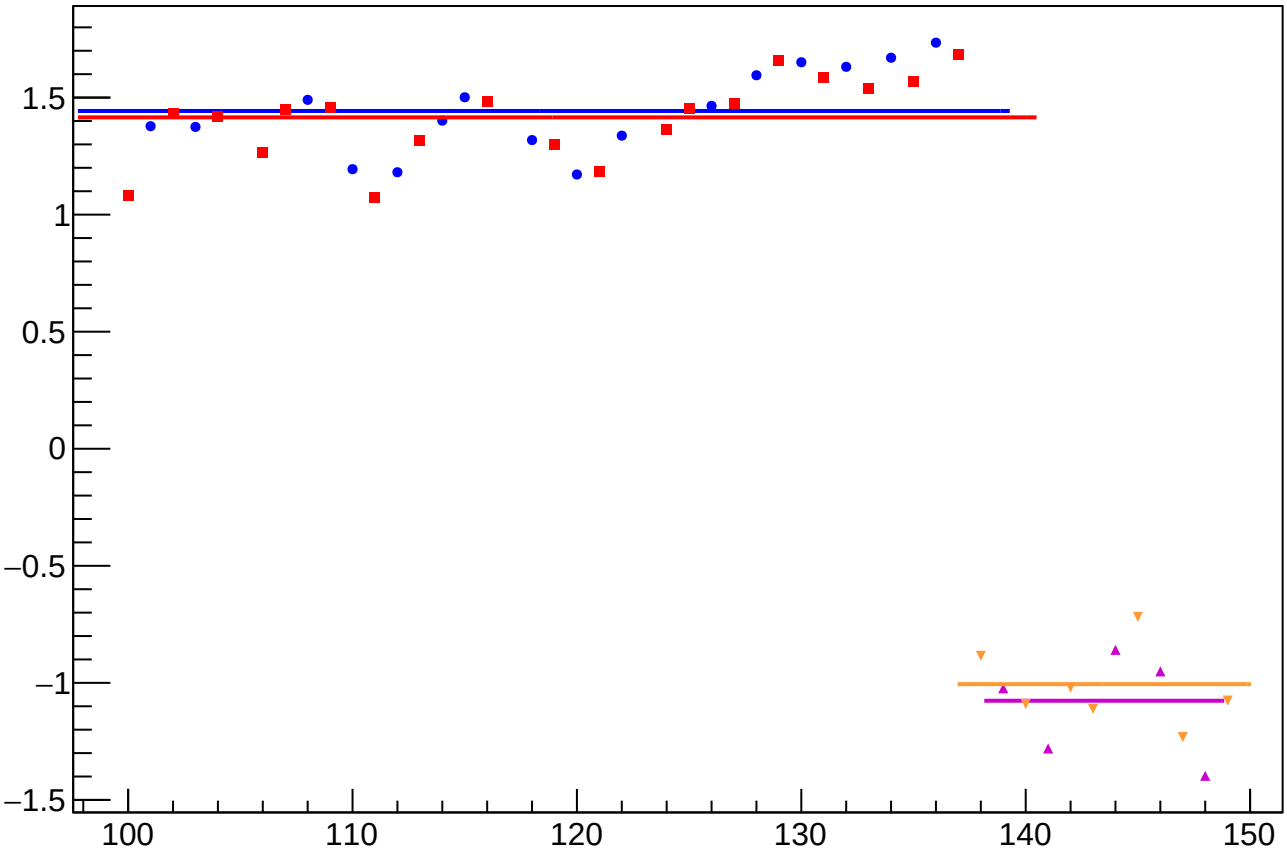
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.015+/-0.000 χ^2/NDF:104678.7/4

+ sign 0.012+/-0.000 χ^2/NDF: 853437.7/22

All: 0.012+/-0.000 χ^2/NDF: 1669770.1/46

- sign 0.012+/-0.000 χ^2/NDF: 796649.1/23



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.006+/-0.000 χ^2/NDF:1178071023.9/6

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

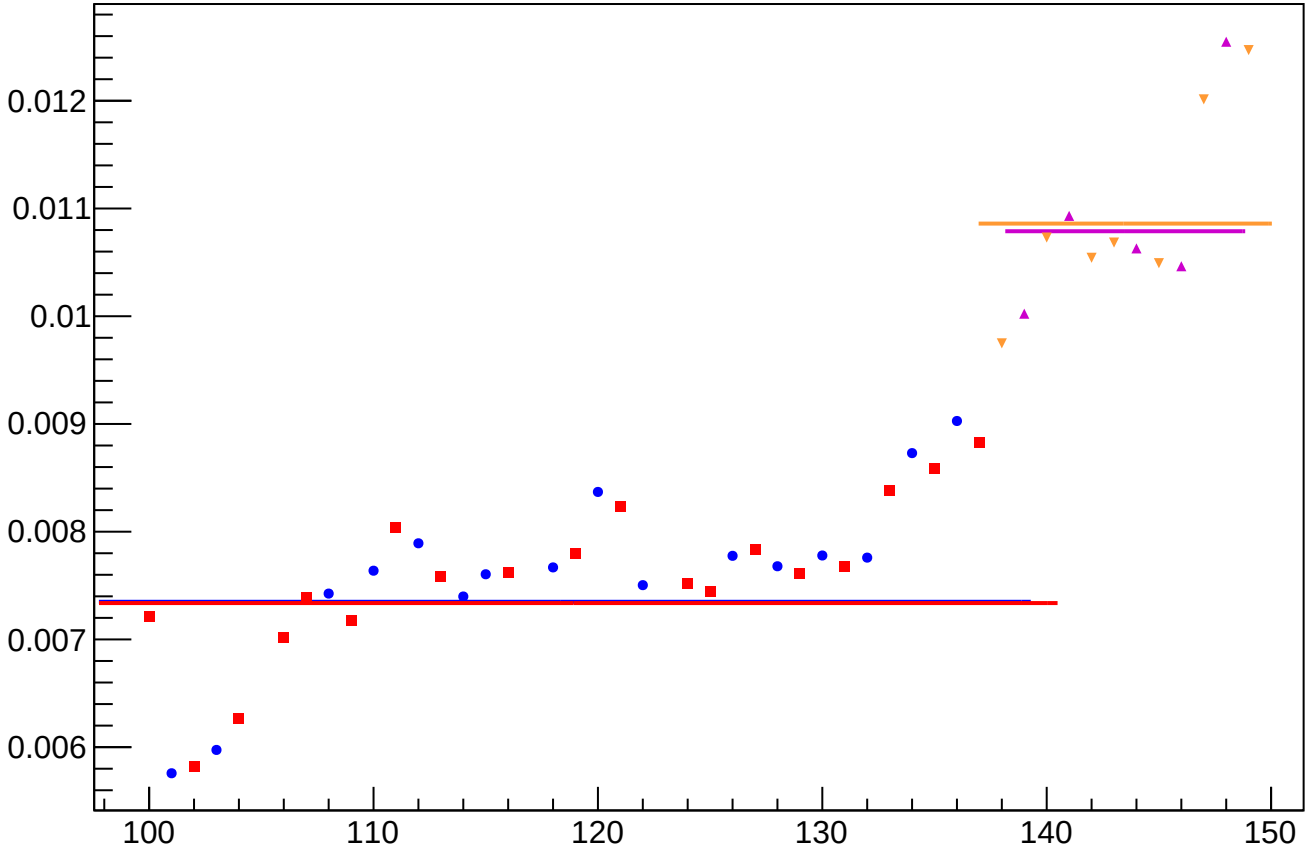
Left In: -1.076+/-0.000 χ^2/NDF:1377868347.1/4

+ sign 0.817+/-0.000 χ^2/NDF: 205446294277.3/22

All: 0.850+/-0.000 χ^2/NDF: 391511412592.7

- 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:66645.7/6

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

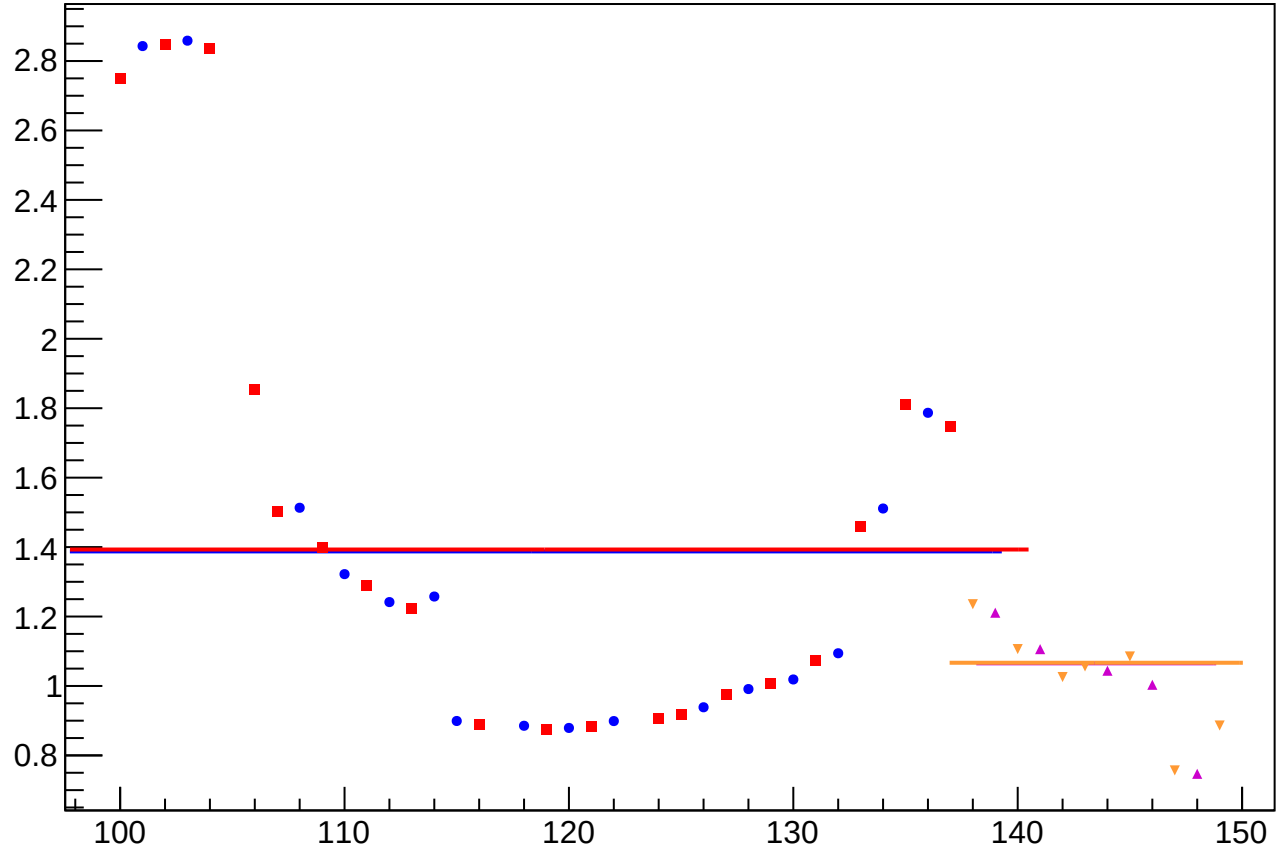
Left In: 0.011+/-0.000 χ^2/NDF:44982.7/4

+ sign 0.008+/-0.000 χ^2/NDF: 1162085.8/22

All: 0.008+/-0.000 χ^2/NDF: 2104069.3/46

- sign 0.008+/-0.000 χ^2/NDF: 936760.8/23

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.067+/-0.000 χ^2/NDF:1116678371.5/6

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

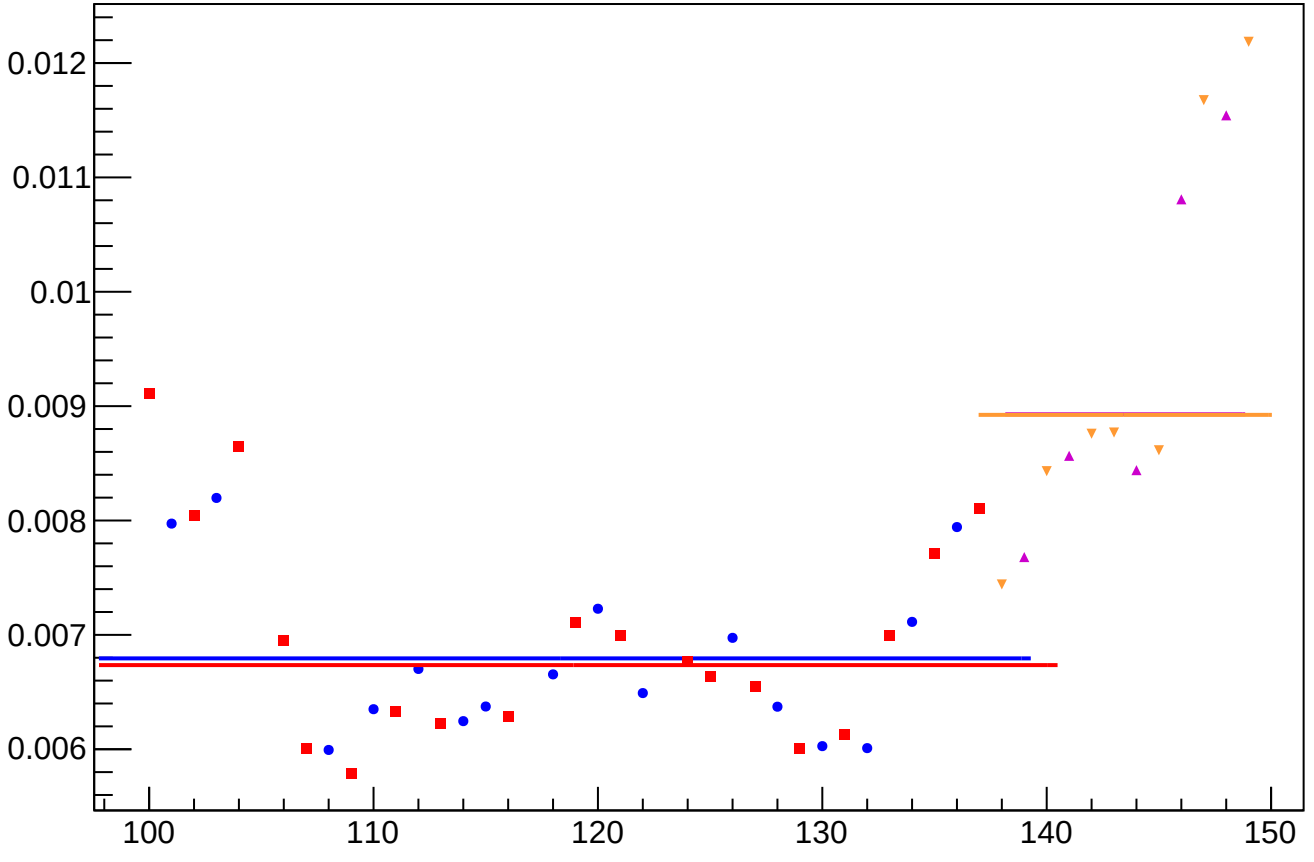
Left In: 1.065+/-0.000 χ^2/NDF:952481470.4/4

\+ sign 1.295+/-0.000 χ^2/NDF: 64291110377.8/22

All: 1.305+/-0.000 χ^2/NDF: 124823070517.7

\- 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:261716.1/6

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

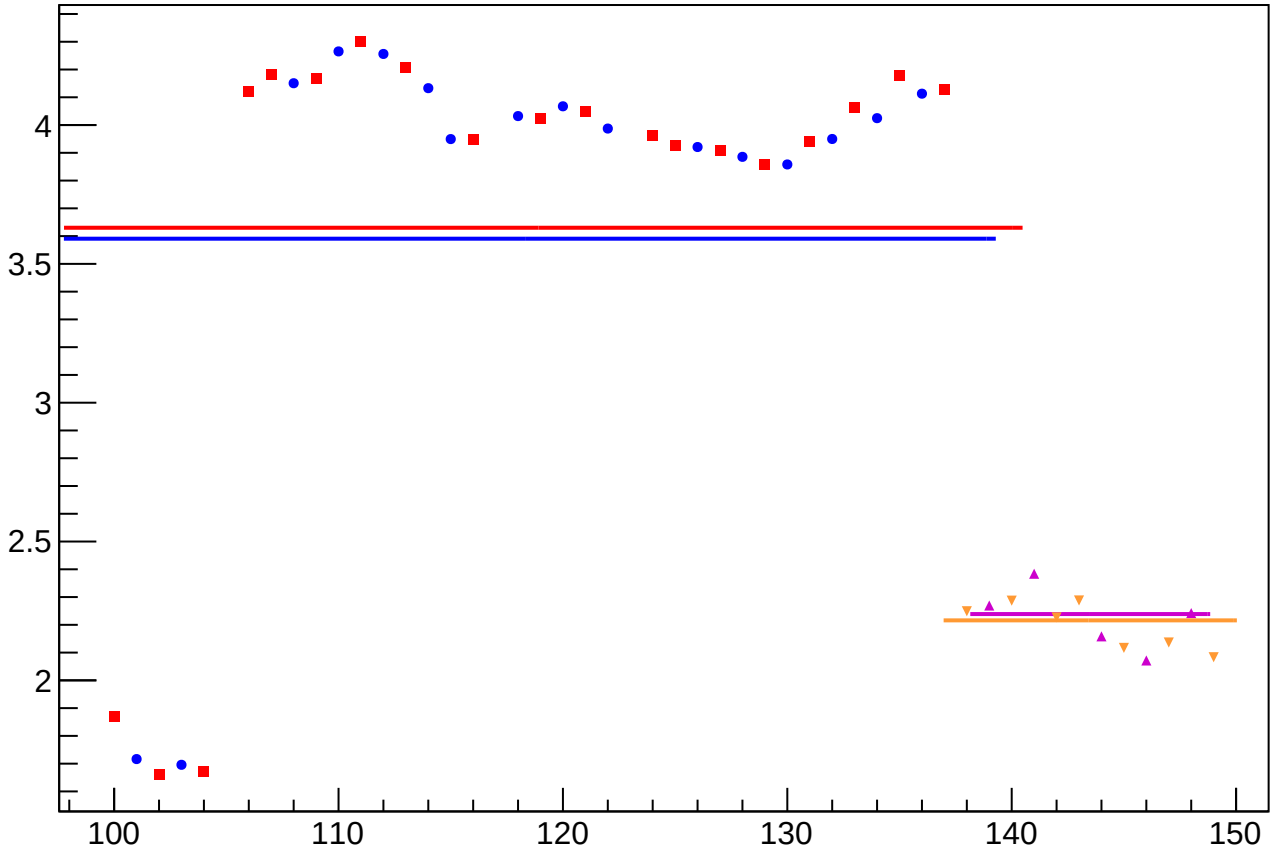
Left In: 0.009+/-0.000 χ^2/NDF:181594.9/4

+ sign 0.007+/-0.000 χ^2/NDF: 828347.8/22

All: 0.007+/-0.000 χ^2/NDF: 1586698.6/46

- 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: 2.216+/-0.000 χ^2/NDF:462908050.0/6

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

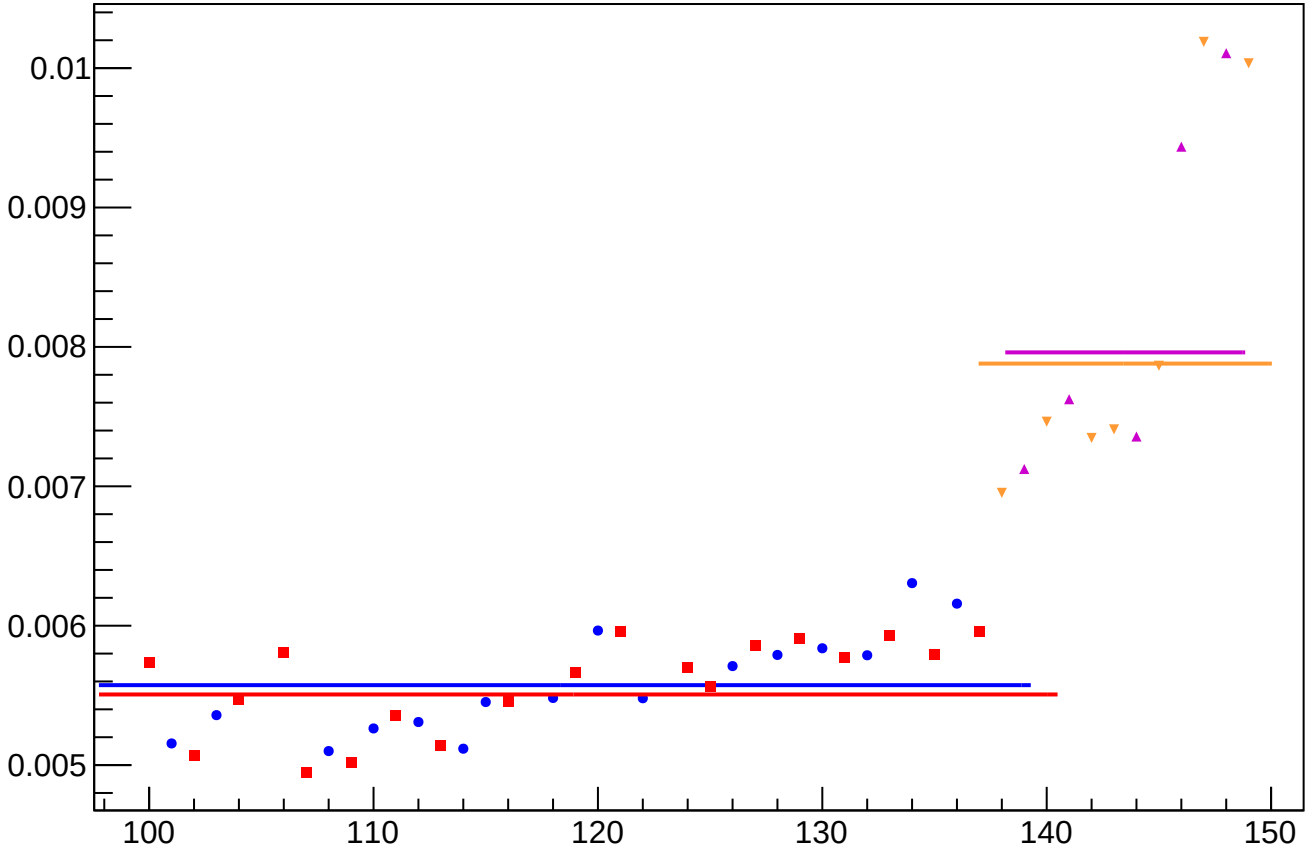
Left In: 2.239+/-0.000 χ^2/NDF:679590394.4/4

+ sign 3.237+/-0.000 χ^2/NDF: 314759435296.1/22

All: 3.287+/-0.000 χ^2/NDF: 627415479648.4

- 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:187848.3/6

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

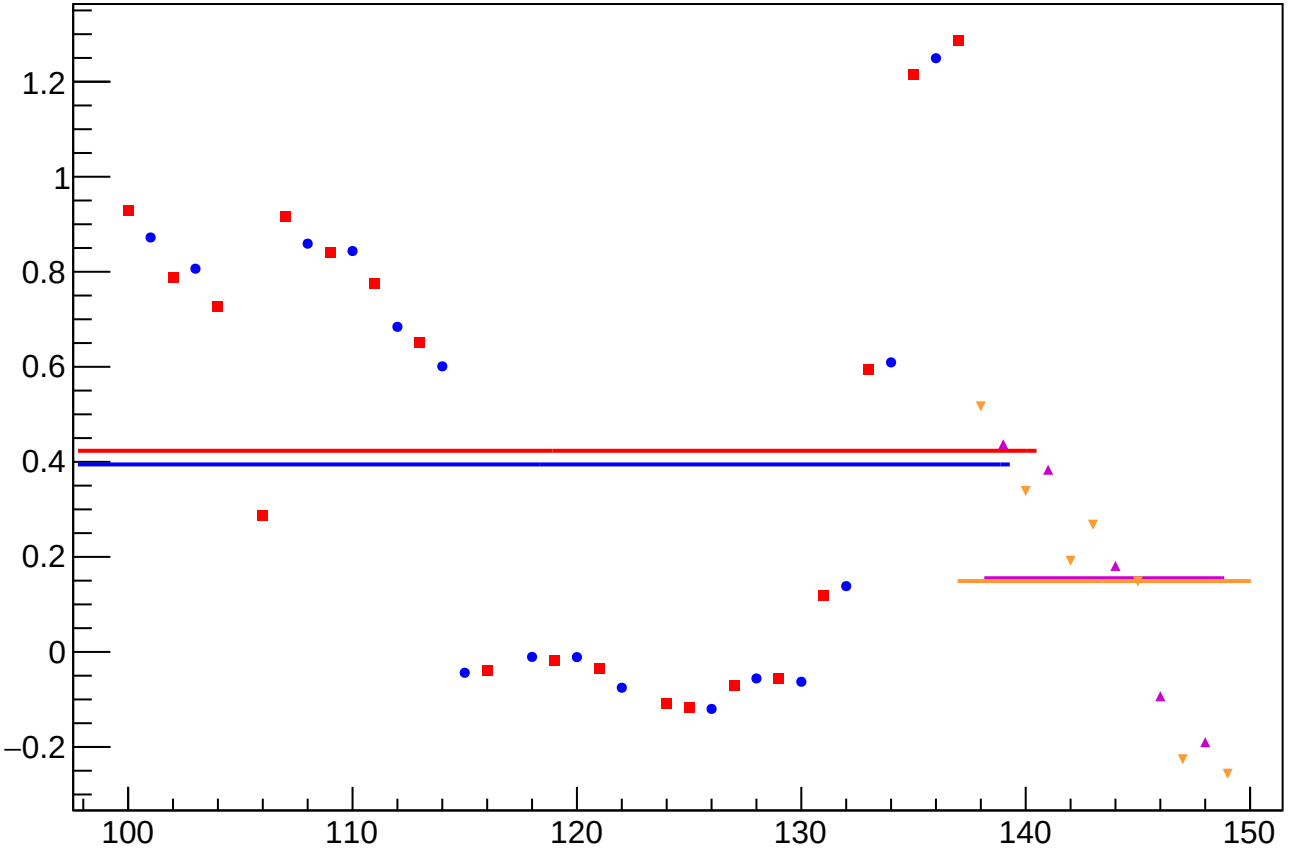
Left In: 0.008+/-0.000 χ^2/NDF:144631.3/4

+ sign 0.006+/-0.000 χ^2/NDF: 878423.5/22

All: 0.006+/-0.000 χ^2/NDF: 1695620.4/46

- sign 0.006+/-0.000 χ^2/NDF: 810719.3/23

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.149+/-0.000 χ^2/NDF:1387829301.6/6

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

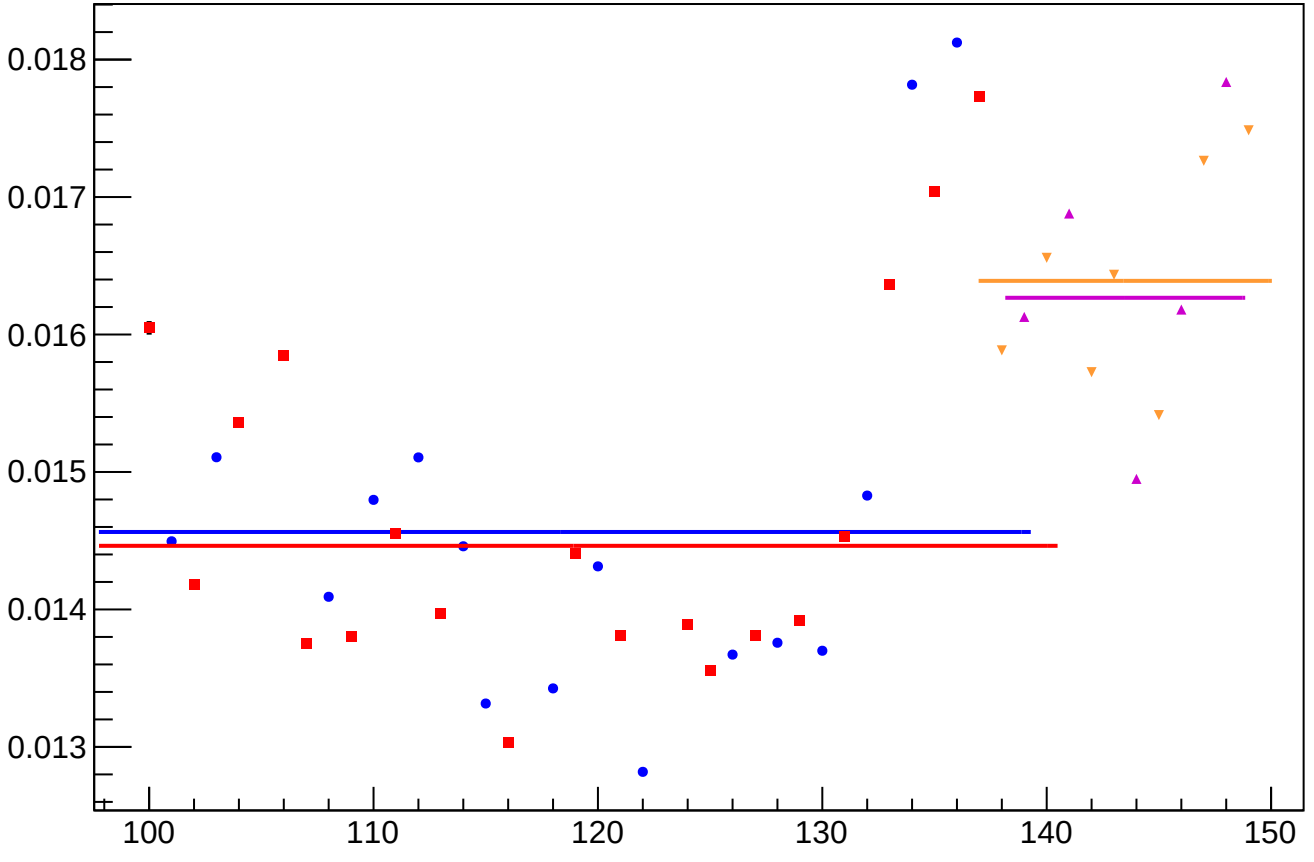
Left In: 0.155+/-0.000 χ^2/NDF:934593688.9/4

+ sign 0.304+/-0.000 χ^2/NDF: 9544286307.0/22

All: 0.321+/-0.000 χ^2/NDF: 18209464446.1/4

- 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:20273.0/6

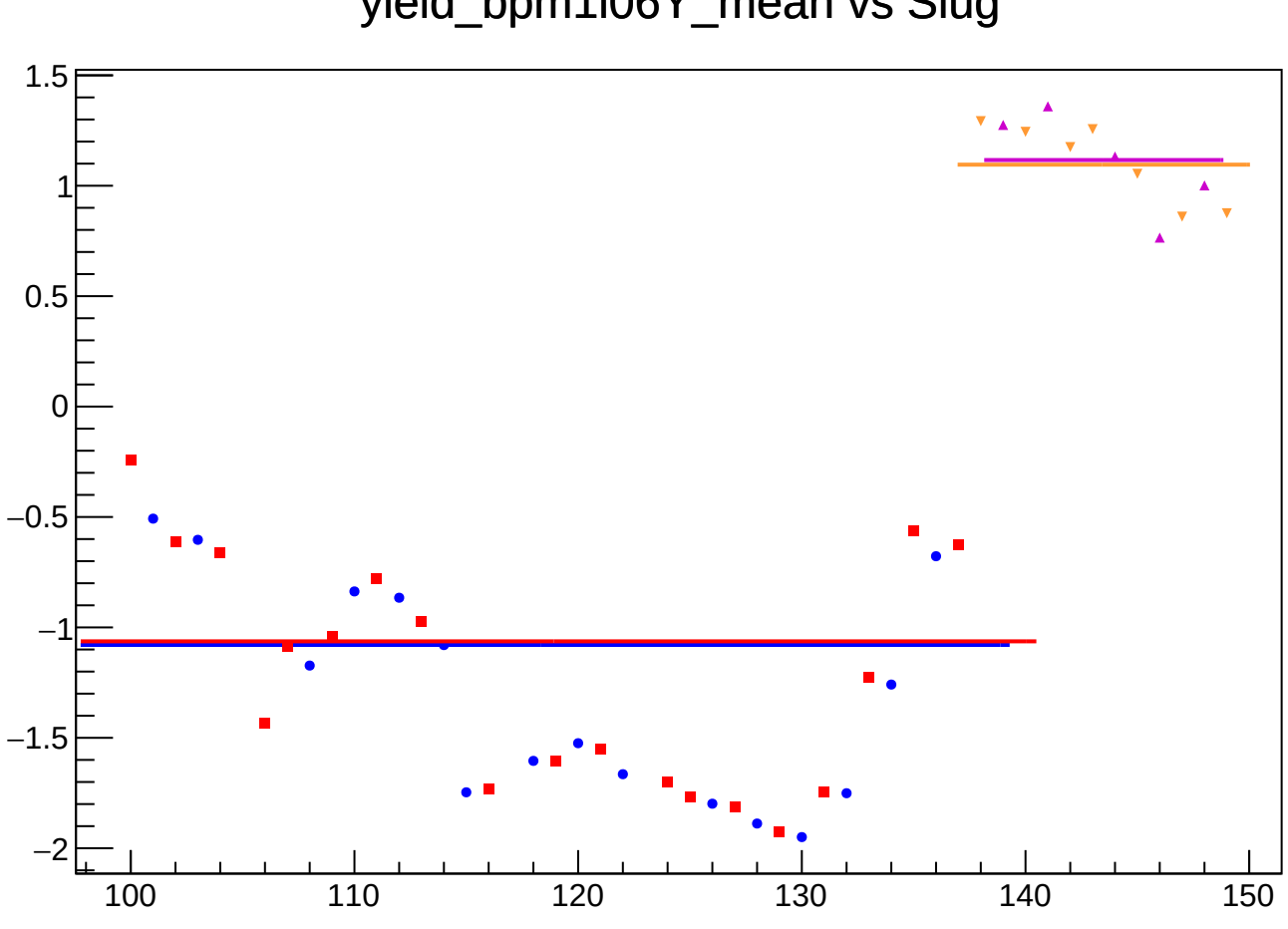
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.016+/-0.000 χ^2/NDF:29112.8/4

+ sign 0.015+/-0.000 χ^2/NDF: 235813.8/22

All: 0.015+/-0.000 χ^2/NDF: 416469.9/46

- 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: 1.095+/-0.000 χ^2/NDF:10266262056.9/6

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

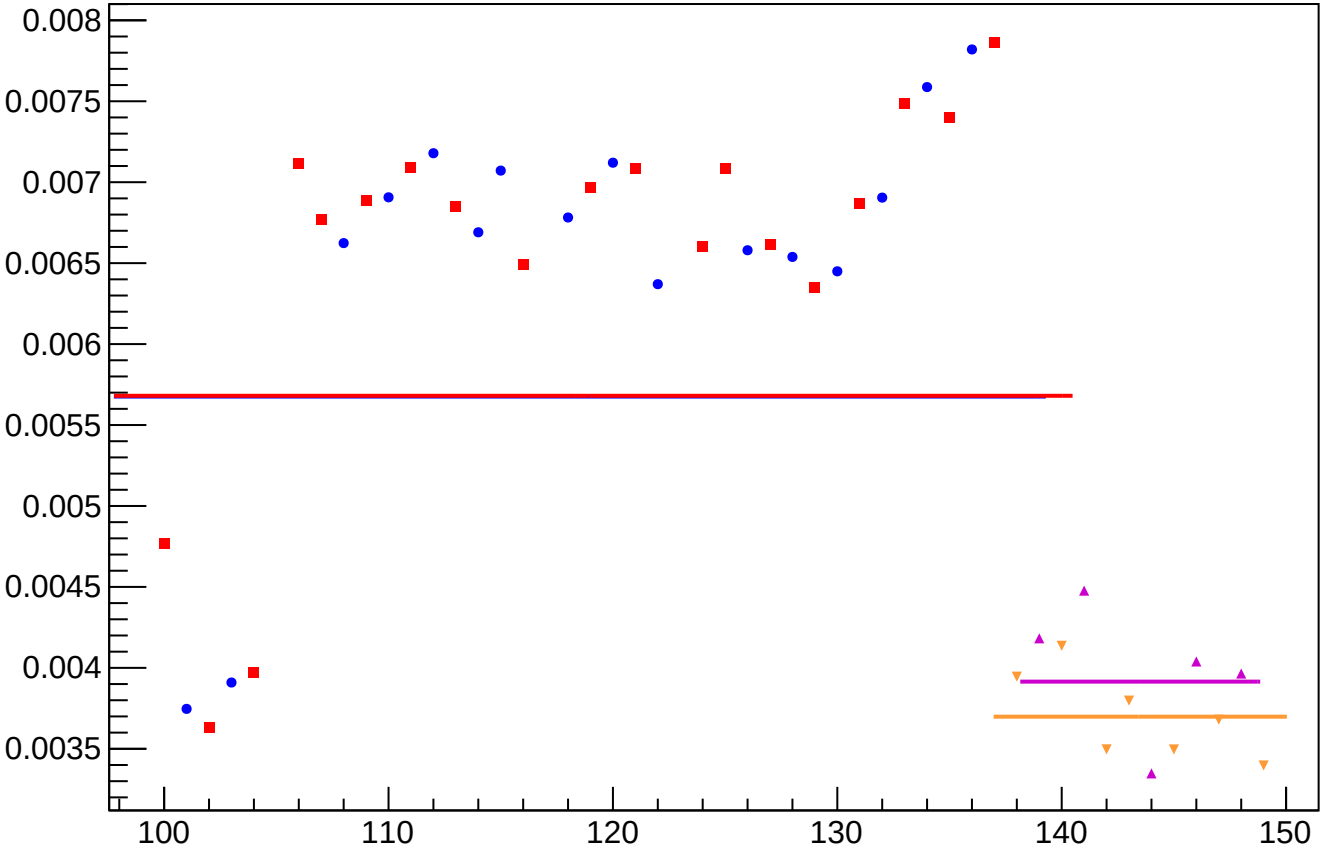
Left In: 1.116+/-0.000 χ^2/NDF:8977257567.4/4

+ sign 0.307+/-0.000 χ^2/NDF: 665751401889.5/22

All: 0.230+/-0.000 χ^2/NDF: 1254105771642.

- 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:43458.4/6

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

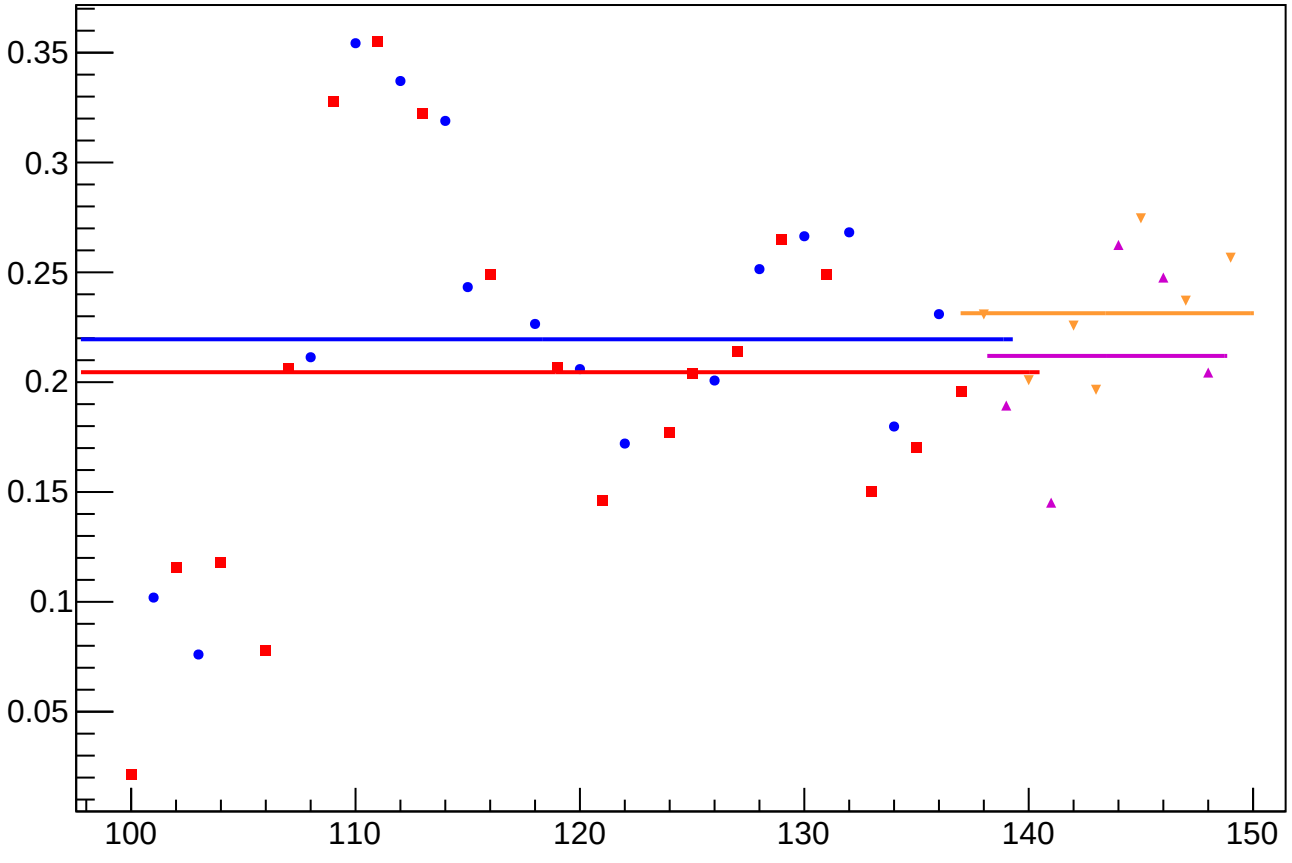
Left In: 0.004+/-0.000 χ^2/NDF:82464.0/4

+ sign 0.004+/-0.000 χ^2/NDF: 1973399.9/22

All: 0.005+/-0.000 χ^2/NDF: 3764178.8/46

- 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: 0.231+/-0.000 χ^2/NDF:2002321653.3/6

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

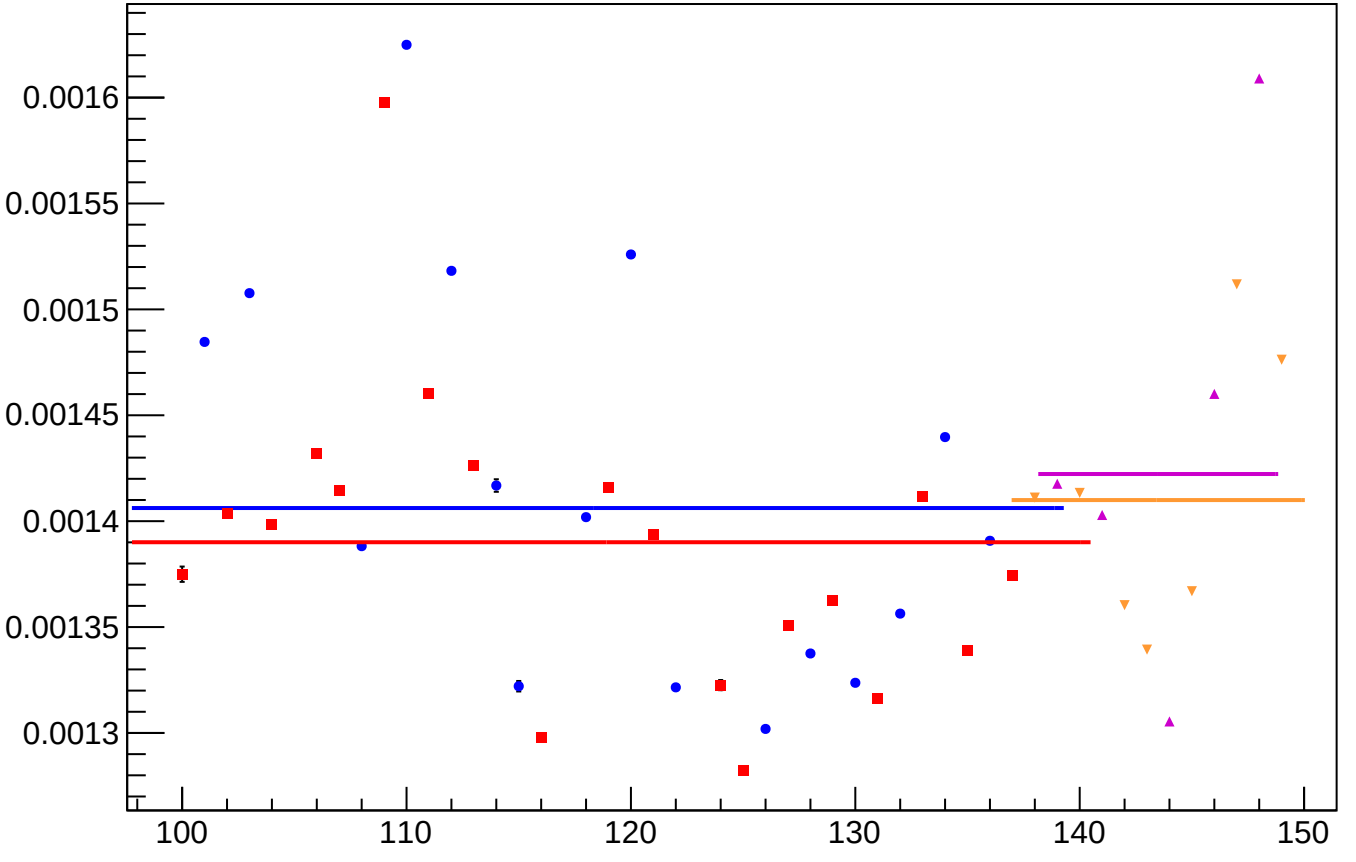
Left In: 0.212+/-0.000 χ^2/NDF:4099832704.8/4

+ sign 0.225+/-0.000 χ^2/NDF: 18944668700.9/22

All: 0.216+/-0.000 χ^2/NDF: 46348452457.8/4

- 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:17809.0/6

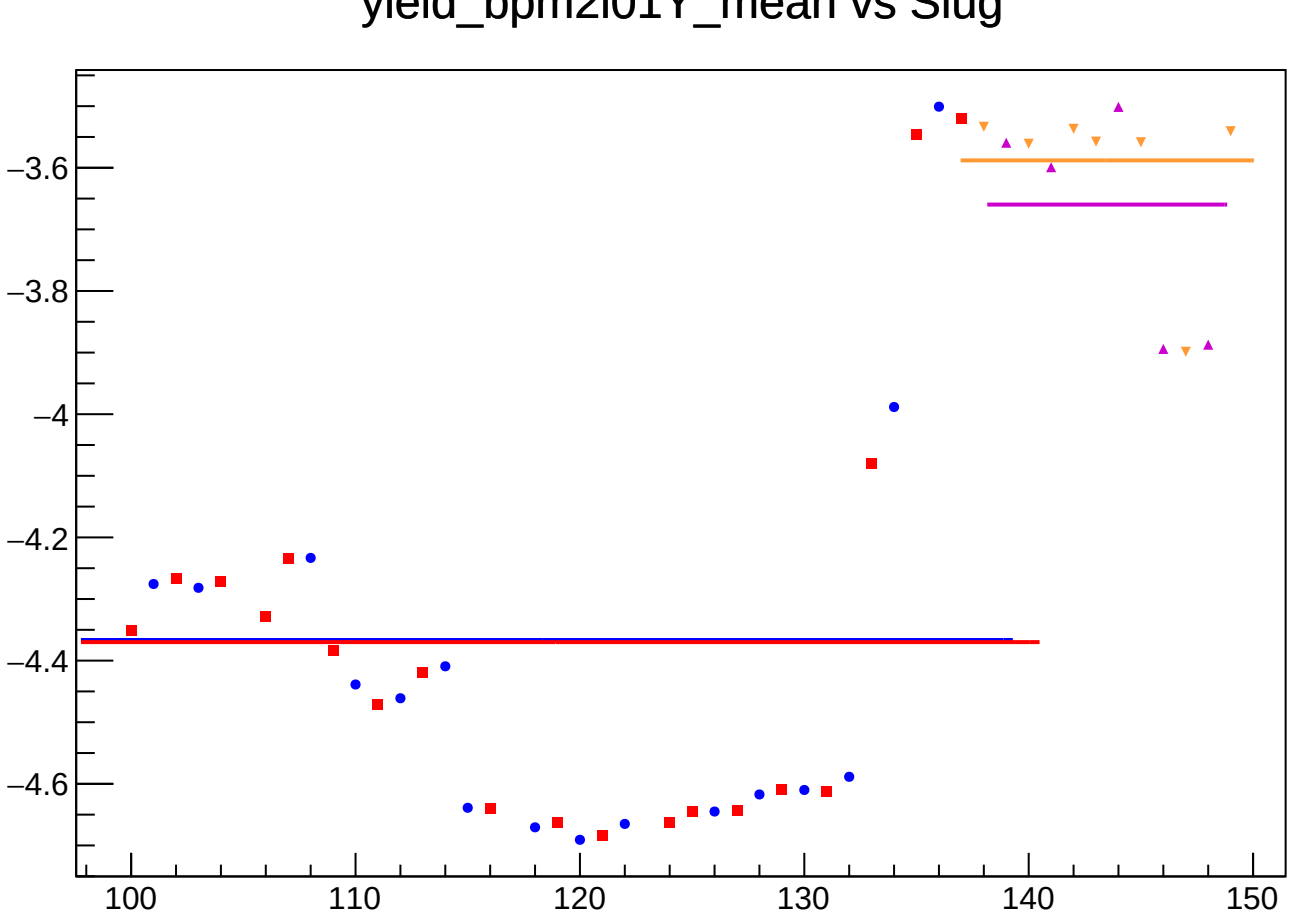
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:36970.5/4

+ sign 0.001+/-0.000 χ^2/NDF: 66052.5/22

All: 0.001+/-0.000 χ^2/NDF: 140860.6/46

- 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: -3.588+/-0.000 χ^2/NDF:17505232386.4/6

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

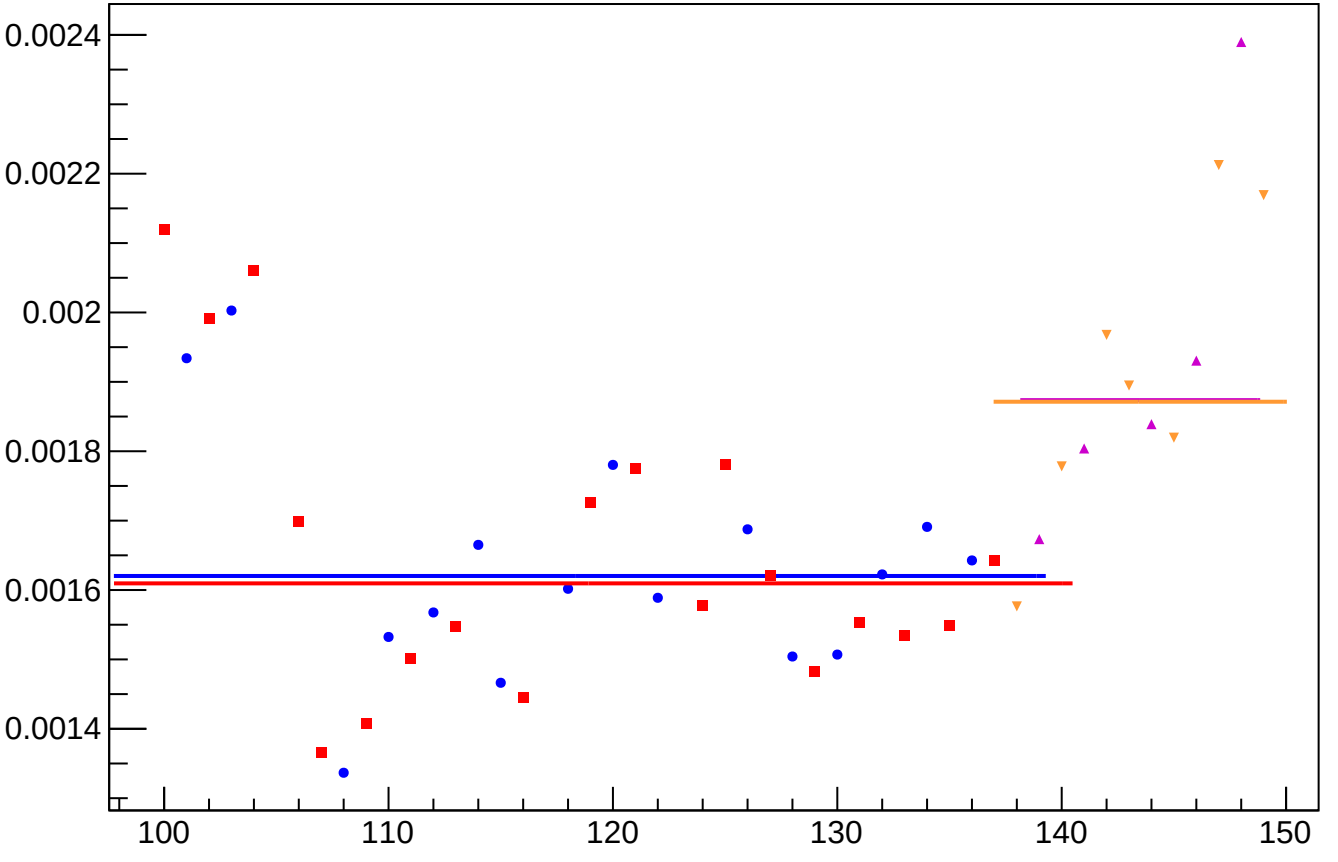
Left In: -3.660+/-0.000 χ^2/NDF:29582095891.3/4

+ sign -4.093+/-0.000 χ^2/NDF: 928901002745.5/22

All: -4.125+/-0.000 χ^2/NDF: 1675077489128

- 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:126163.4/6

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

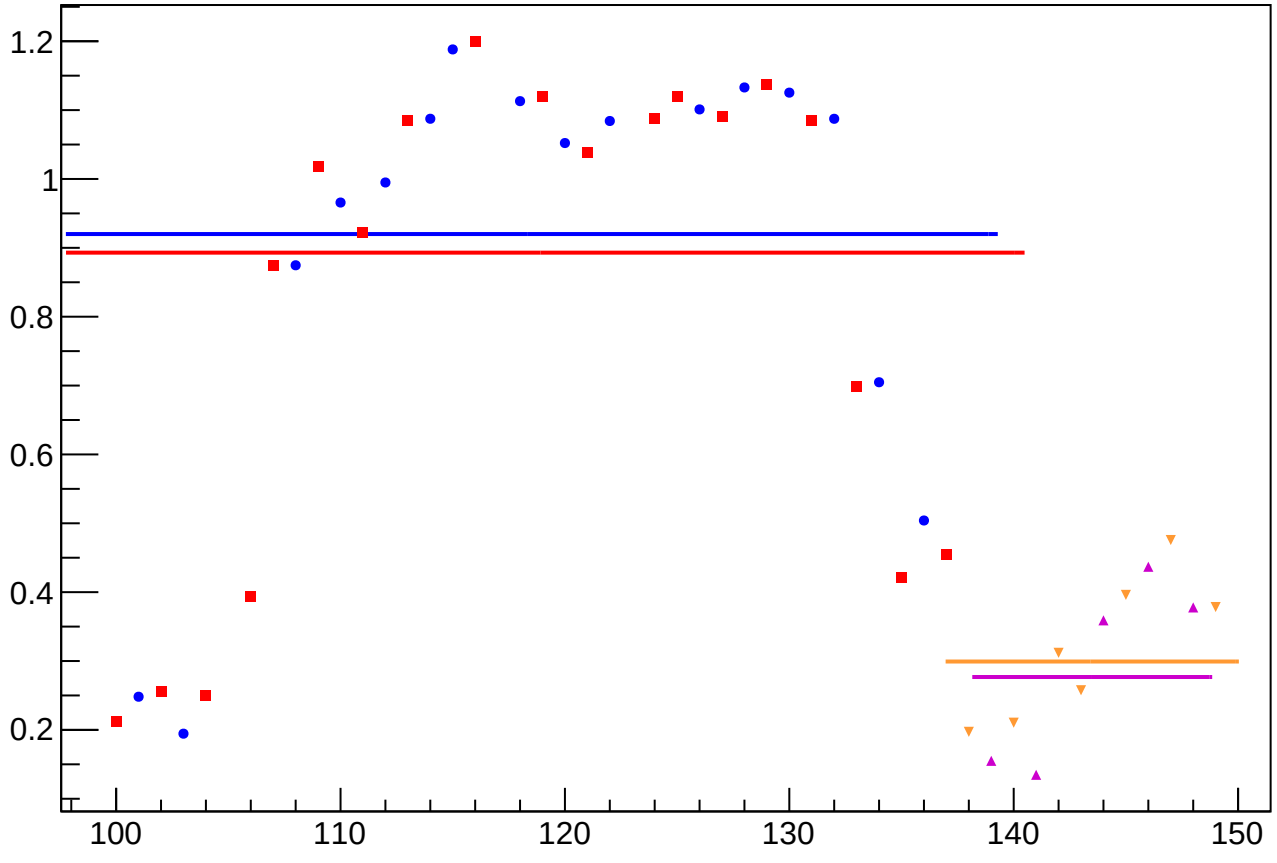
Left In: 0.002+/-0.000 χ^2/NDF:102354.4/4

+ sign 0.002+/-0.000 χ^2/NDF: 382587.8/22

All: 0.002+/-0.000 χ^2/NDF: 785451.3/46

- 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: 0.299+/-0.000 χ^2/NDF:554002553.4/6

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

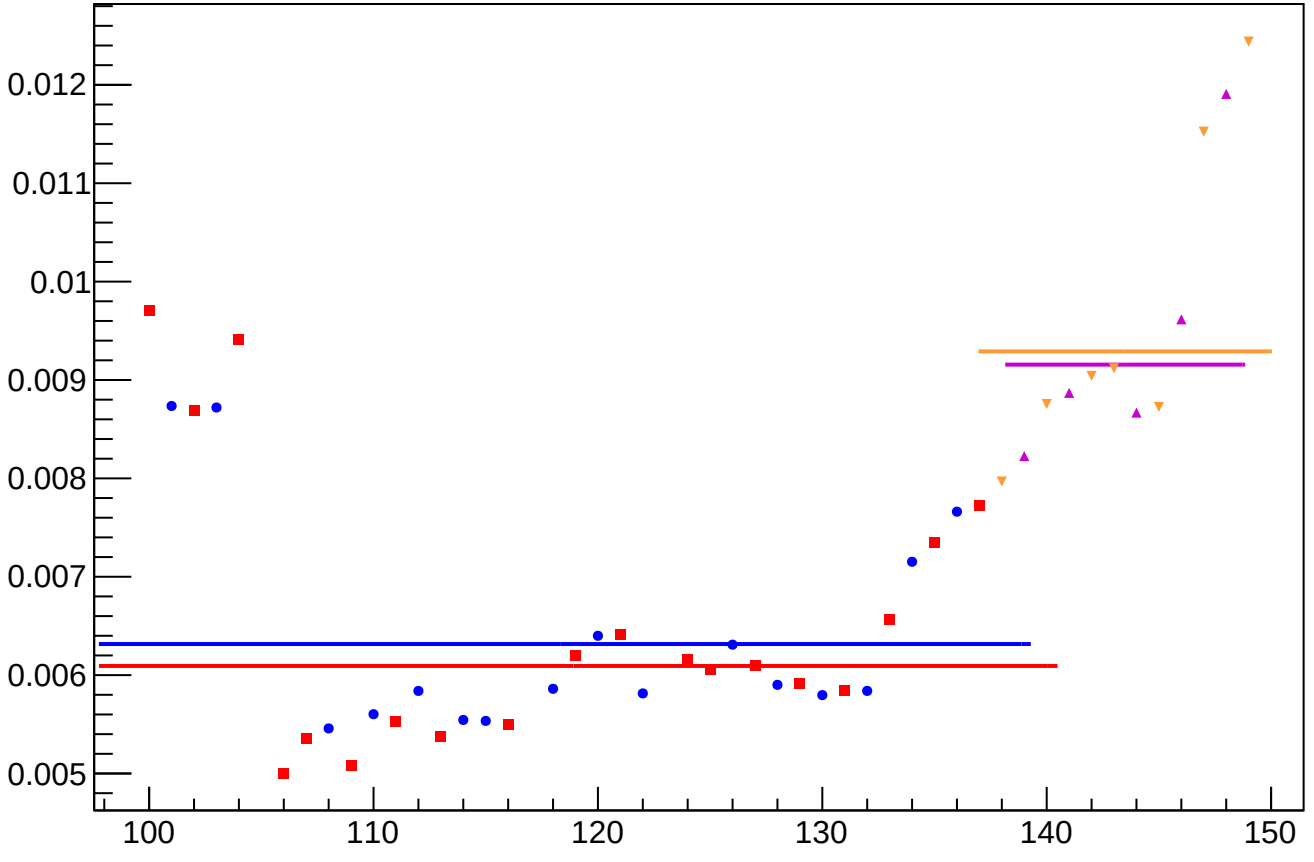
Left In: 0.277+/-0.000 χ^2/NDF:796618390.5/4

+ sign 0.762+/-0.000 χ^2/NDF: 32379066402.7/22

All: 0.764+/-0.000 χ^2/NDF: 66173874248.8/4

- 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:224496.6/6

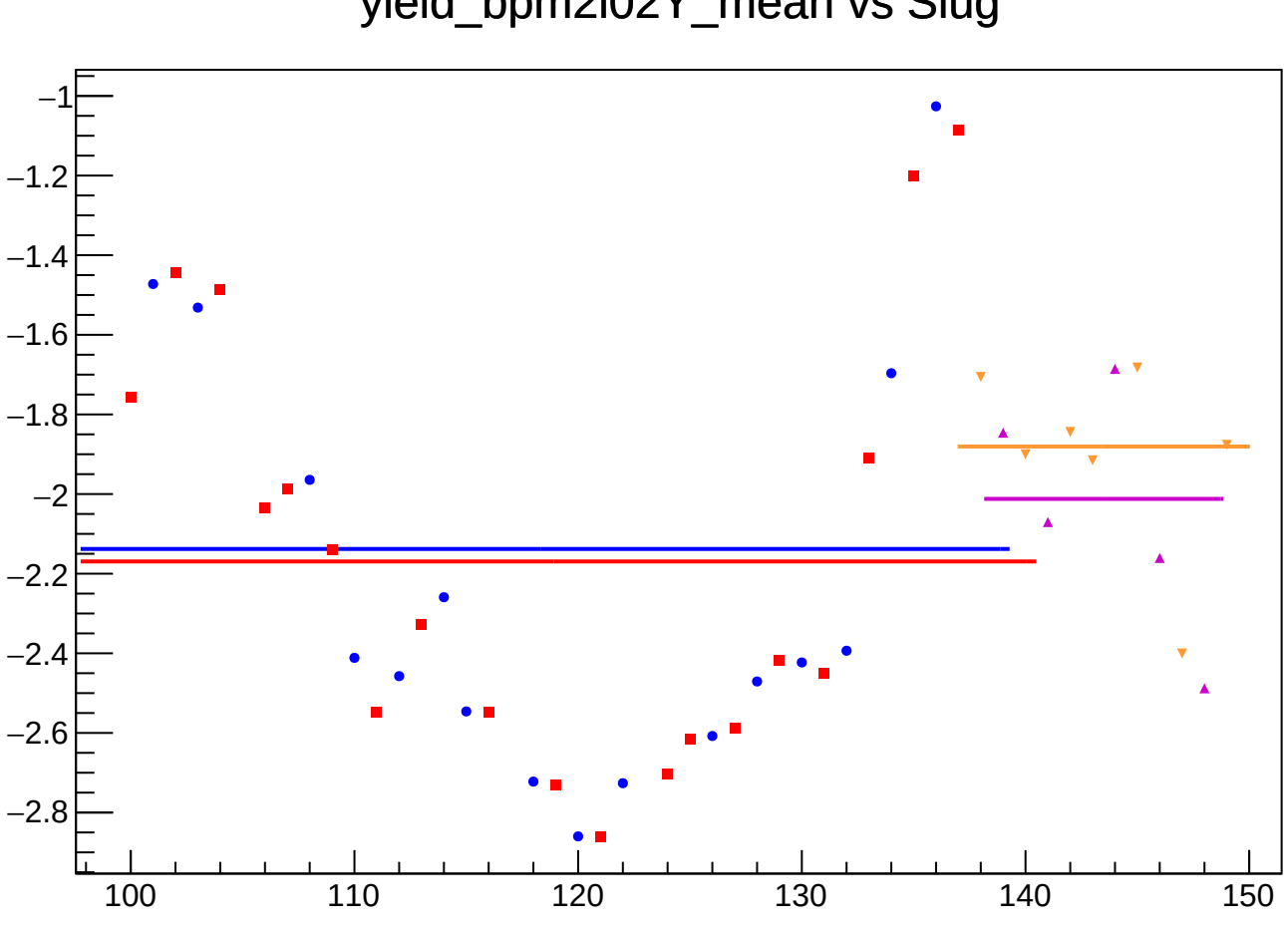
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:121992.3/4

+ sign 0.007+/-0.000 χ^2/NDF: 1352882.8/22

All: 0.007+/-0.000 χ^2/NDF: 2698503.8/46

- 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:3810247538.8/6

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

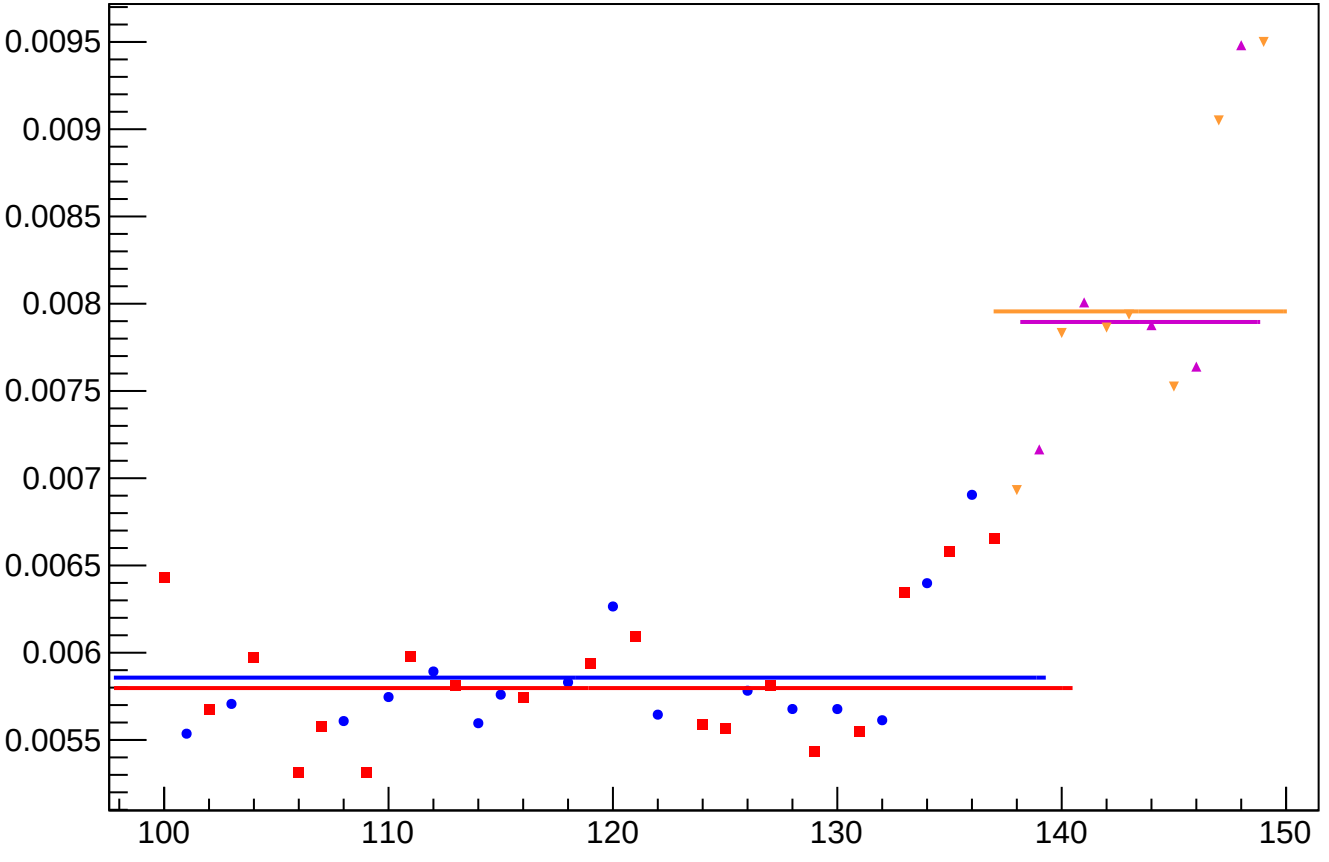
Left In: -2.012+/-0.000 χ^2/NDF:4476756057.8/4

+ sign -2.065+/-0.000 χ^2/NDF: 73429586274.1/22

All: -2.098+/-0.000 χ^2/NDF: 137280034175.2

- 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:107930.3/6

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

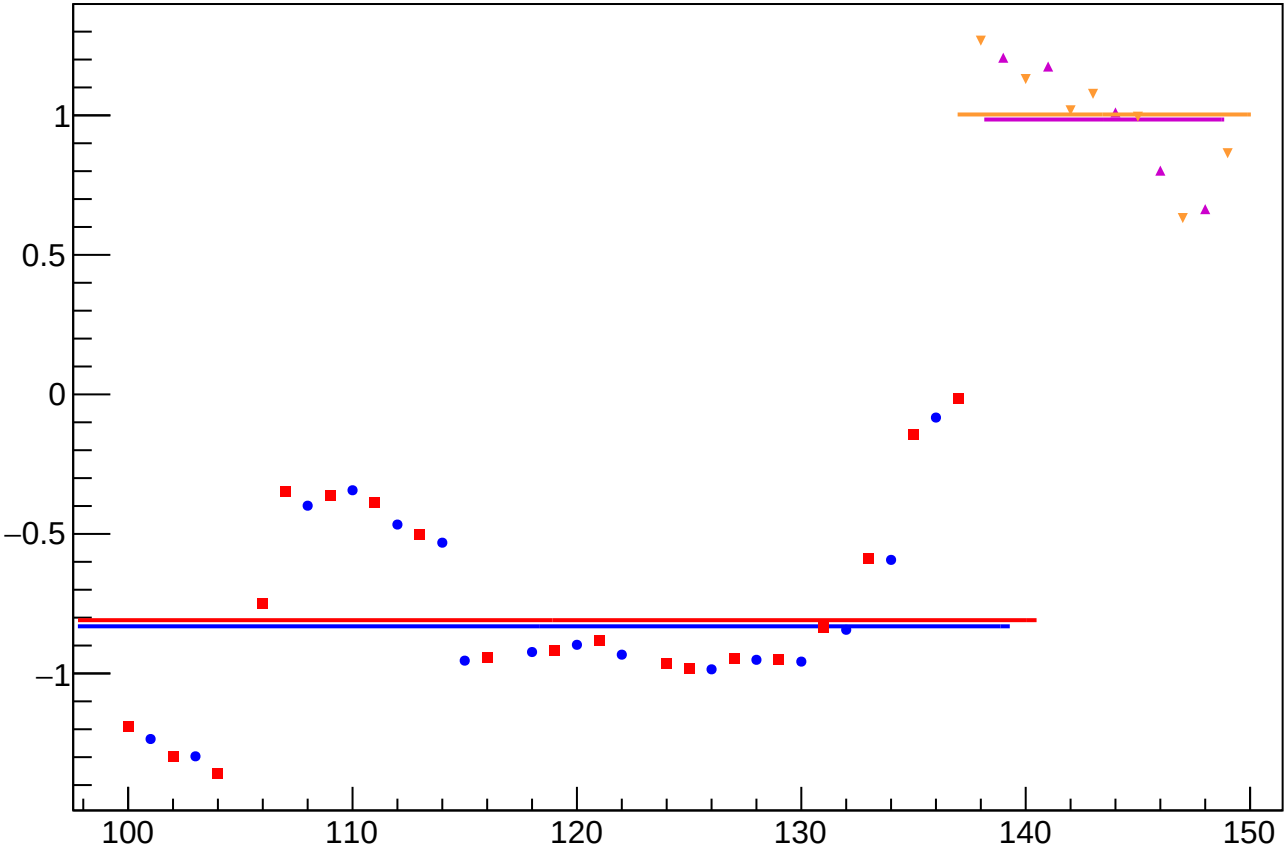
Left In: 0.008+/-0.000 χ^2/NDF:66389.7/4

+ sign 0.006+/-0.000 χ^2/NDF: 695811.8/22

All: 0.006+/-0.000 χ^2/NDF: 1290531.3/46

- 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: 1.003+/-0.000 χ^2/NDF:1156025890.8/6

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

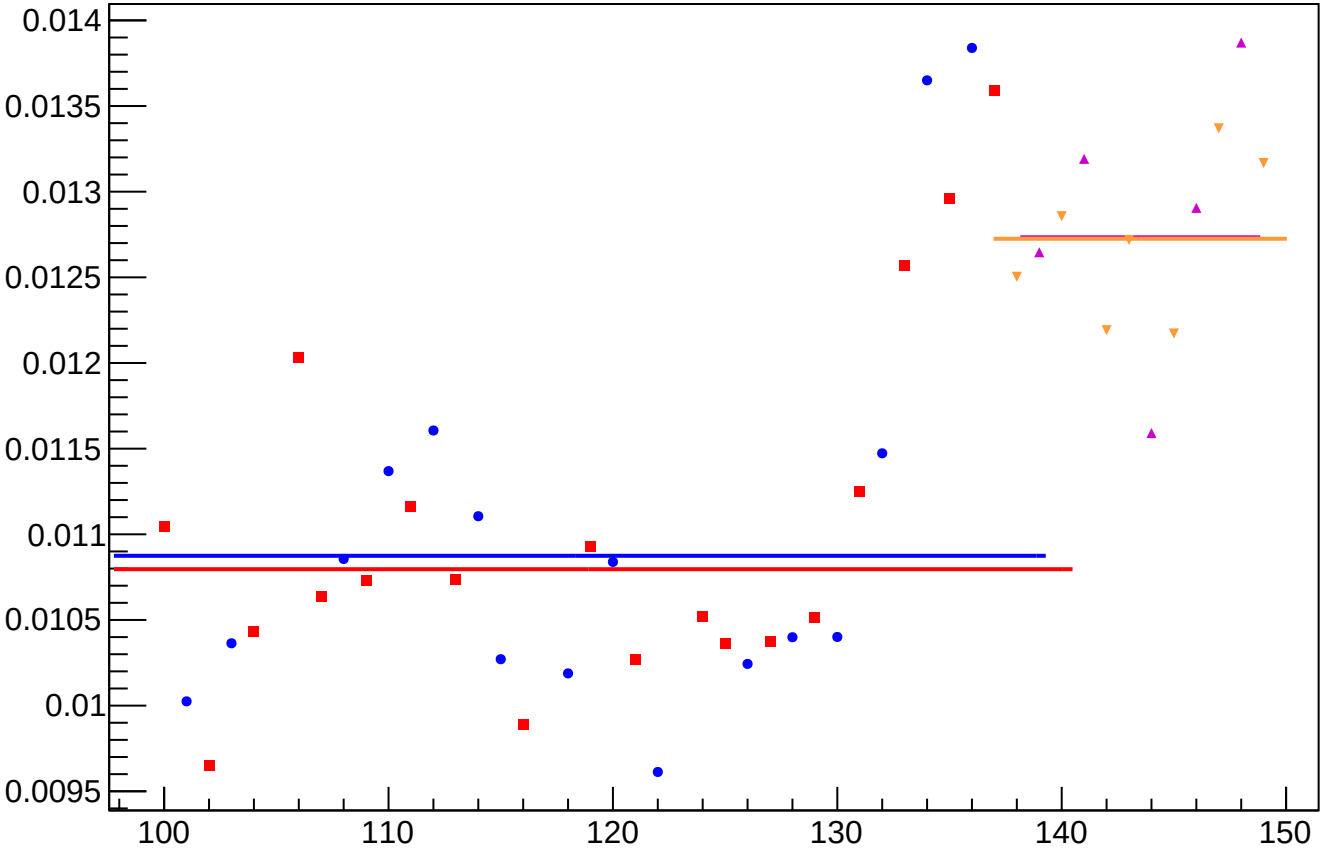
Left In: 0.985+/-0.000 χ^2/NDF:1051008805.6/4

+ sign -0.186+/-0.000 χ^2/NDF: 78711885962.4/22

All: -0.230+/-0.000 χ^2/NDF: 147604504372.8

- 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:11098.2/6

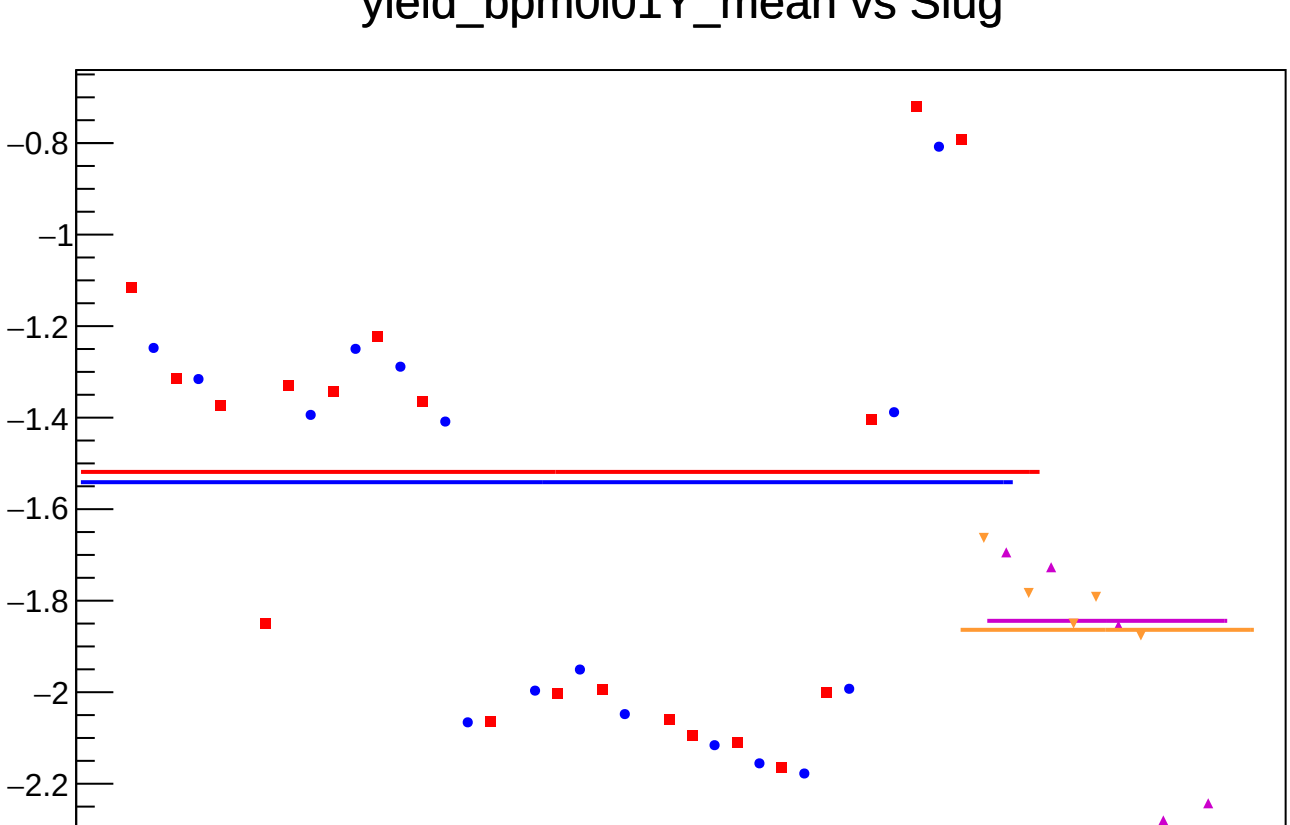
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:30651.6/4

+ sign 0.012+/-0.000 χ^2/NDF: 312127.8/22

All: 0.011+/-0.000 χ^2/NDF: 582386.3/46

- 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: -1.864+/-0.000 χ^2/NDF:20793517419.4/6

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

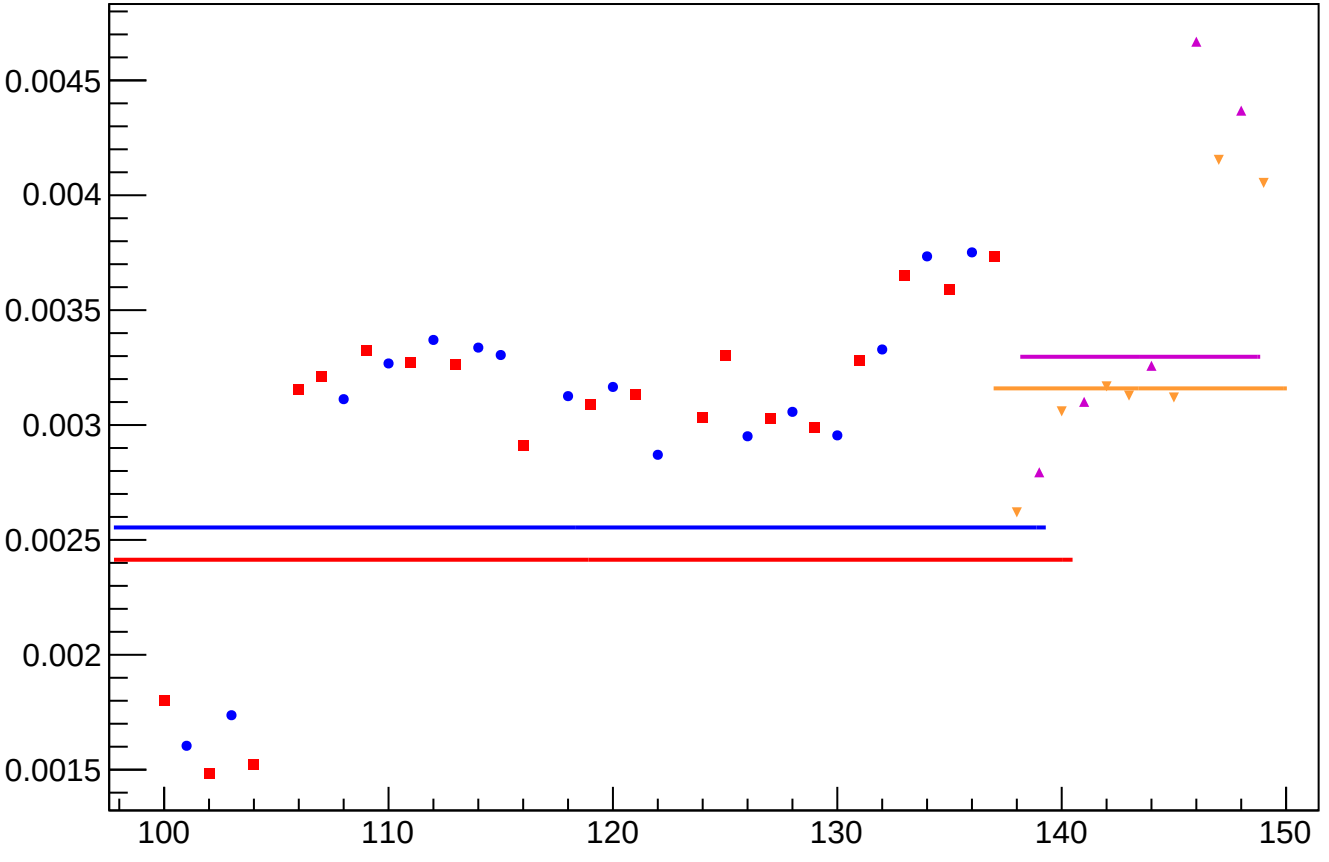
Left In: -1.844+/-0.000 χ^2/NDF:13845108038.8/4

+ sign -1.647+/-0.000 χ^2/NDF: 214875182295.4/22

All: -1.623+/-0.000 χ^2/NDF: 401635237634.3

- 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:200134.4/6

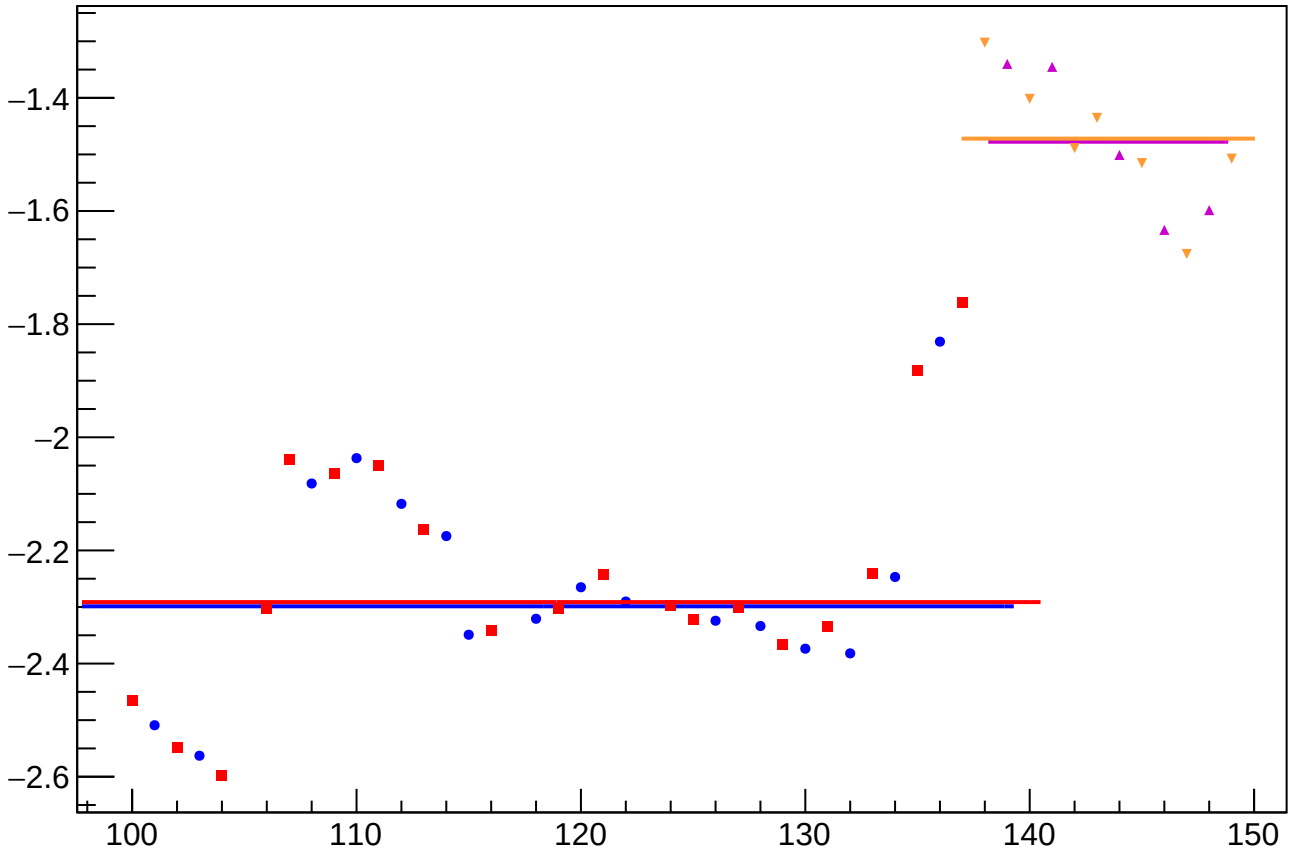
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:234572.8/4

+ sign 0.003+/-0.000 χ^2/NDF: 1595560.7/22

All: 0.003+/-0.000 χ^2/NDF: 3783947.2/46

- 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: -1.472+/-0.000 χ^2/NDF:775087308.4/6

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

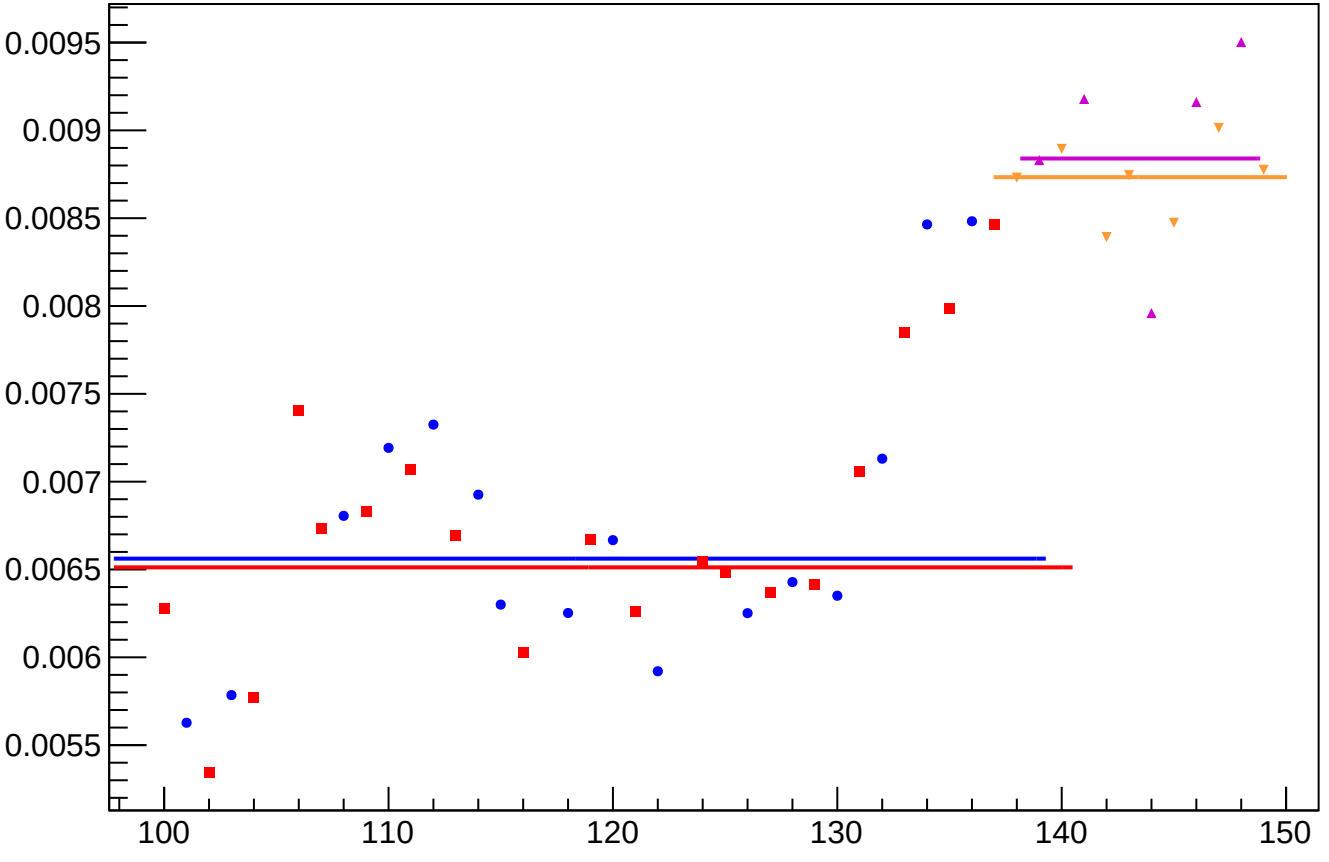
Left In: -1.478+/-0.000 χ^2/NDF:750853159.4/4

+ sign -2.055+/-0.000 χ^2/NDF: 39346724468.8/22

All: -2.075+/-0.000 χ^2/NDF: 73826588973.3/

- 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:4890.8/6

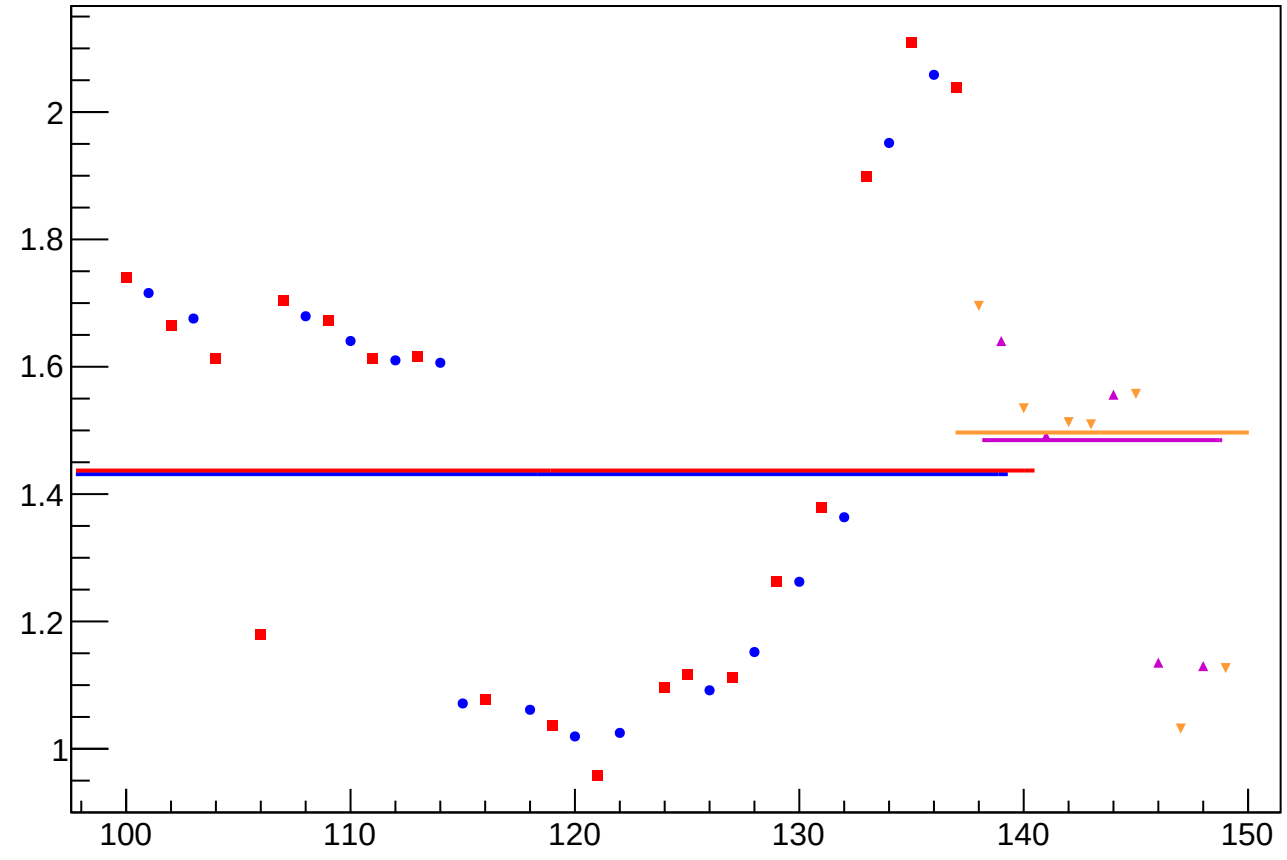
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.009+/-0.000 χ^2/NDF:33401.8/4

+ sign 0.007+/-0.000 χ^2/NDF: 674515.3/22

All: 0.007+/-0.000 χ^2/NDF: 1333821.3/46

- 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: 1.497+/-0.000 χ^2/NDF:6464006374.8/6

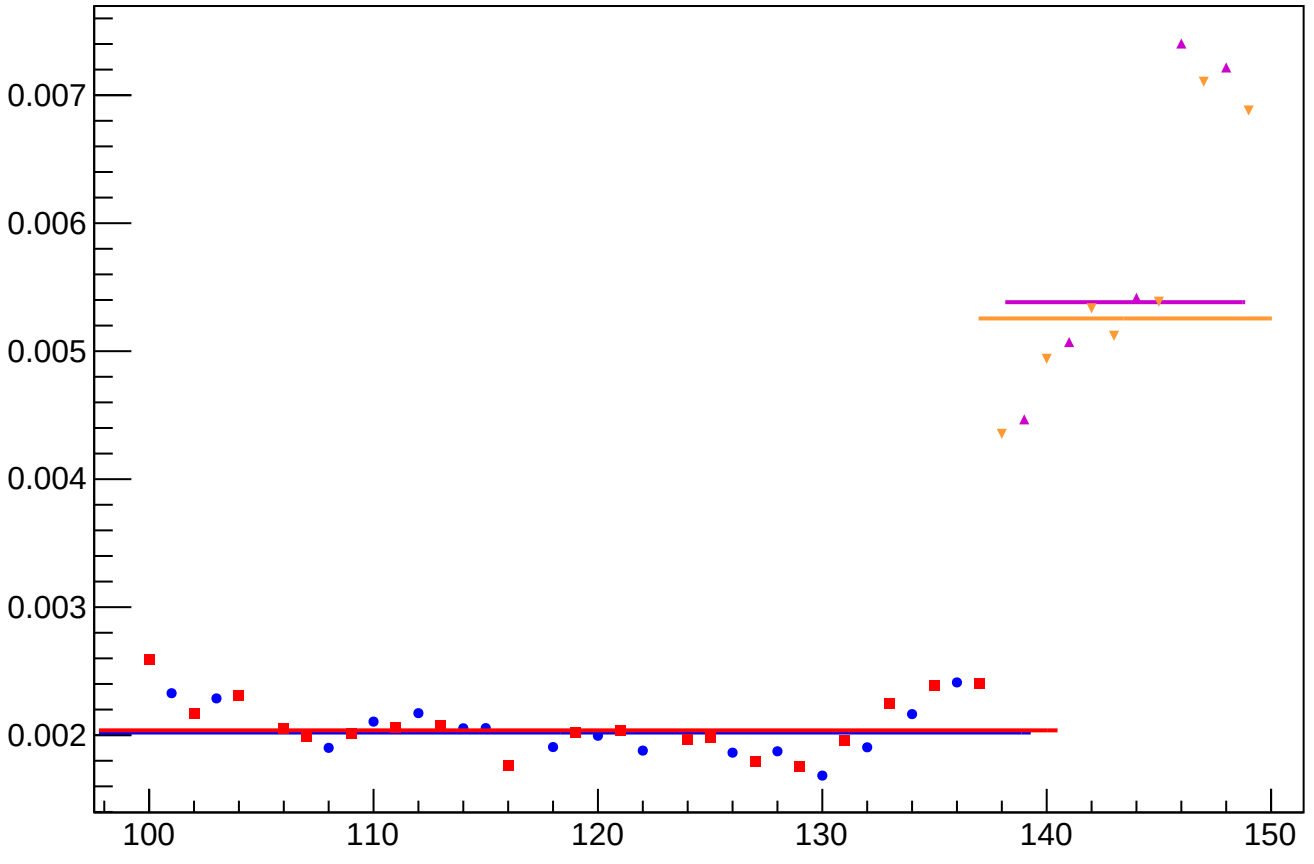
Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 1.485+/-0.000 χ^2/NDF:4235550303.9/4

+ sign 1.438+/-0.000 χ^2/NDF: 196301263702.9/22

All: 1.439+/-0.000 χ^2/NDF: 382836485718.6

- sign 1.441+/-0.000 χ^2/NDF: 186527242261.0/23



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:238084.5/6

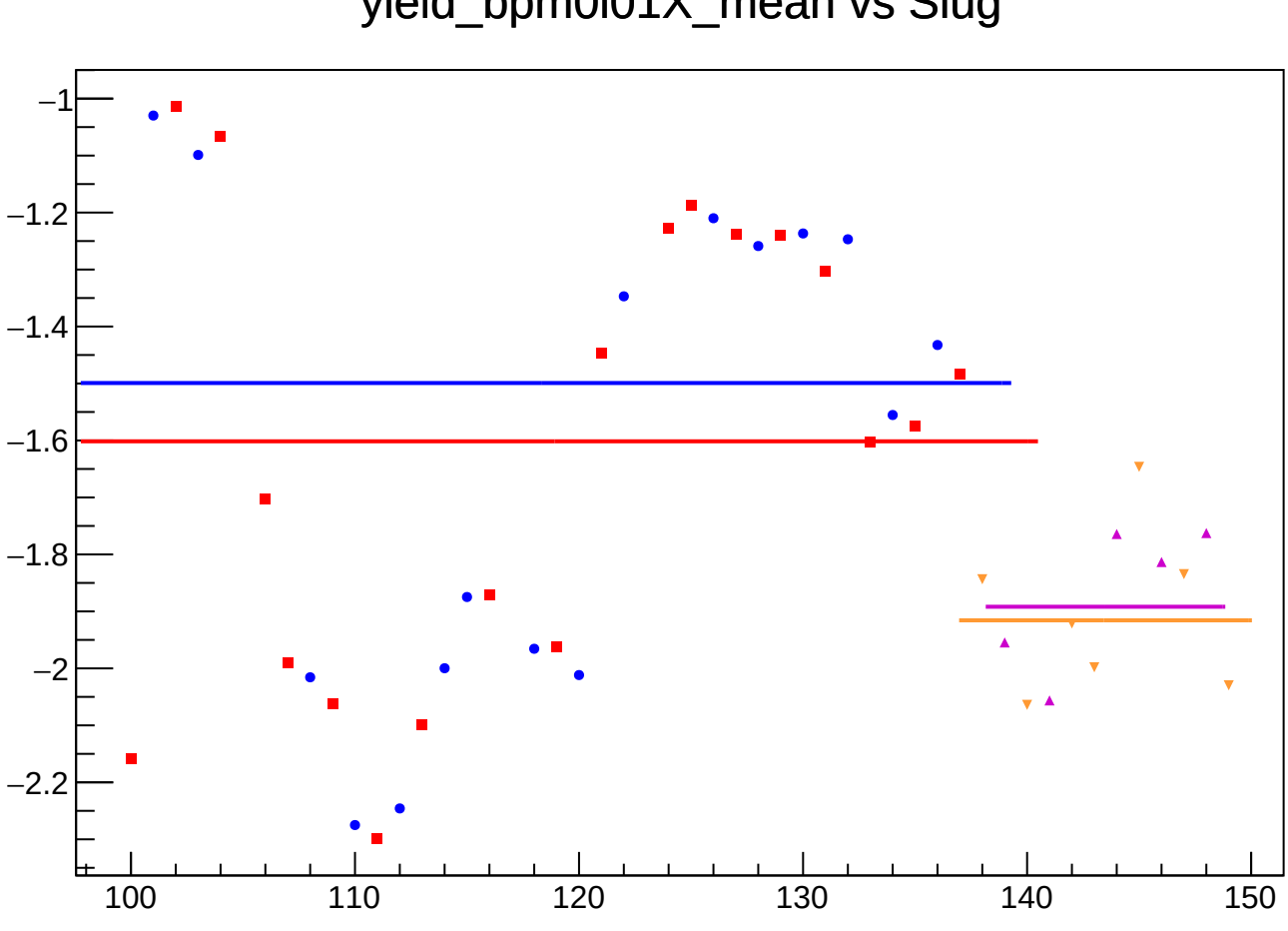
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:259683.4/4

+ sign 0.002+/-0.000 χ^2/NDF: 3609242.6/22

All: 0.002+/-0.000 χ^2/NDF: 6662946.3/46

- 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: -1.916+/-0.000 χ^2/NDF:2814750777.1/6

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

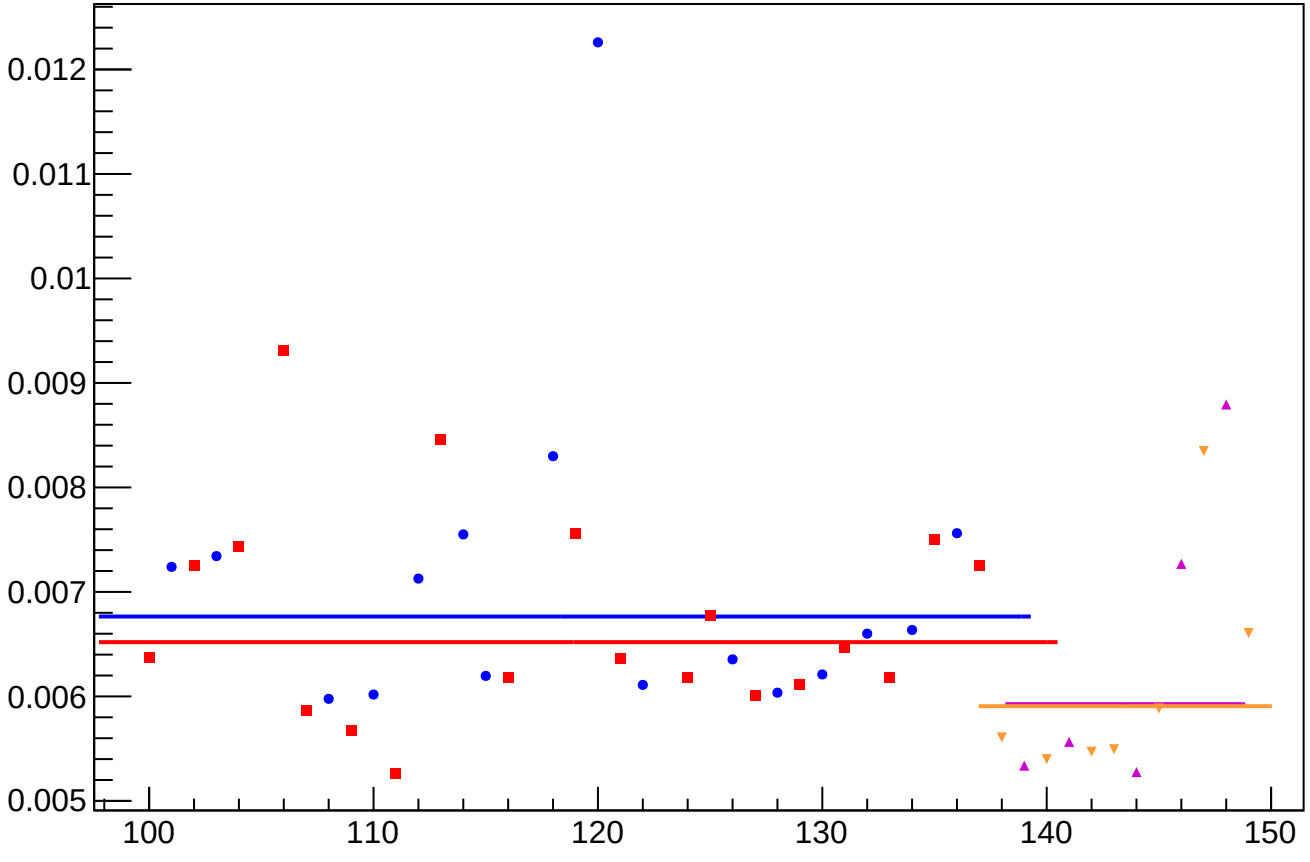
Left In: -1.892+/-0.000 χ^2/NDF:1622404603.8/4

+ sign -1.709+/-0.000 χ^2/NDF: 38111003902.4/22

All: -1.714+/-0.000 χ^2/NDF: 73664165921.1/

- 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:178954.7/6

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

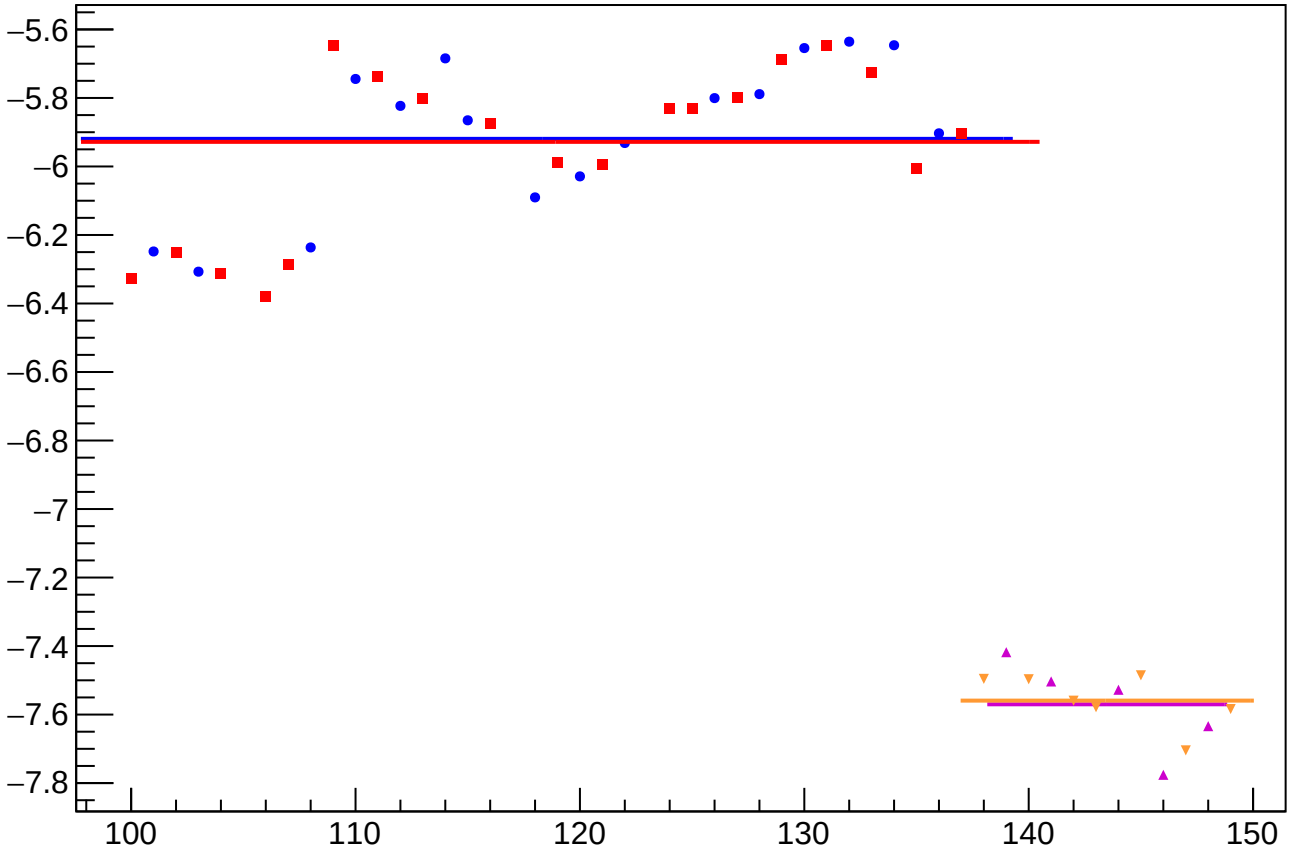
Left In: 0.006+/-0.000 χ^2/NDF:263891.4/4

+ sign 0.006+/-0.000 χ^2/NDF: 522570.1/22

All: 0.006+/-0.000 χ^2/NDF: 1079528.9/46

- sign 0.006+/-0.000 χ^2/NDF: 556076.3/23

yield_bpm0l01Y_mean vs Slug



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.559+/-0.000 χ^2/NDF:241061115.4/6

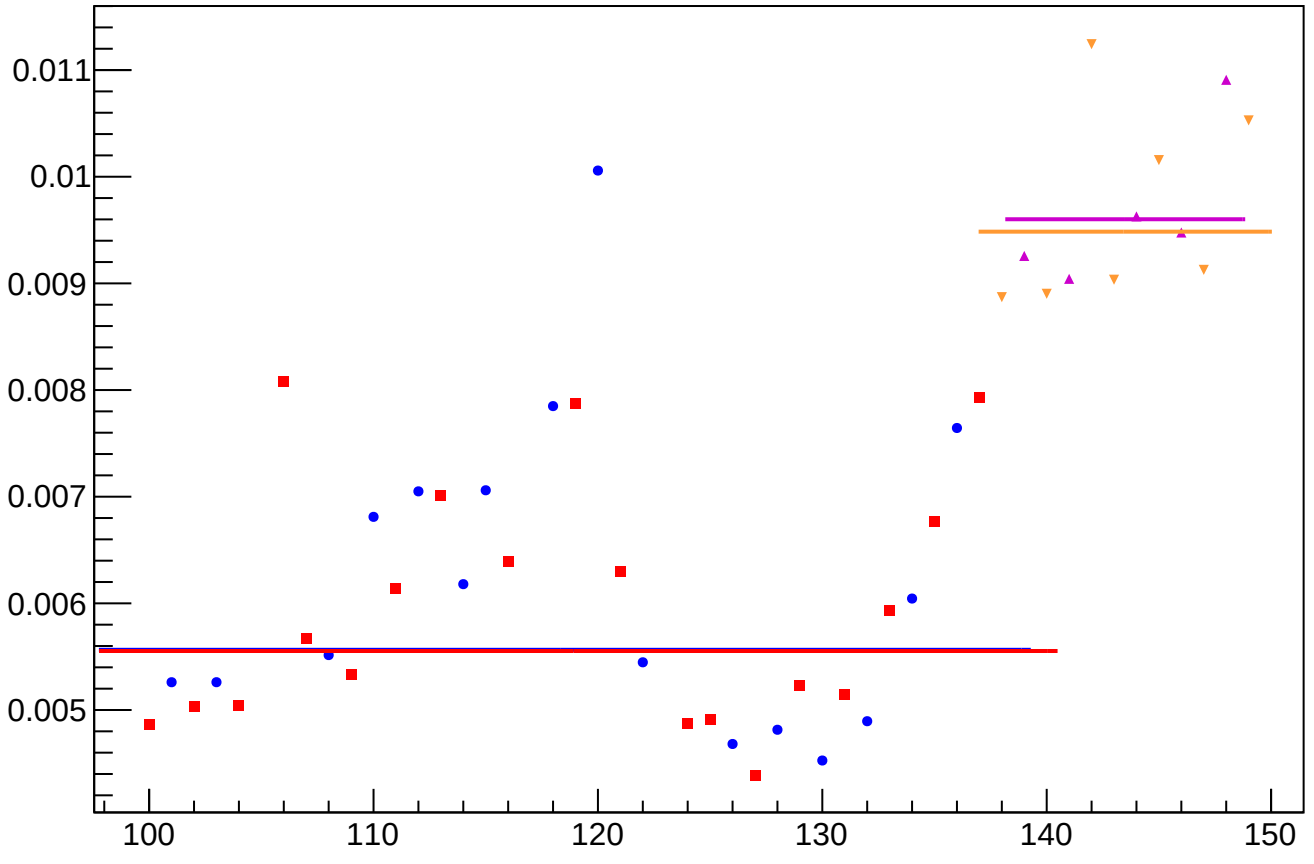
Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -7.570+/-0.000 χ^2/NDF:525674894.9/4

+ sign -6.202+/-0.000 χ^2/NDF: 103725680971.8/22

All: -6.178+/-0.000 χ^2/NDF: 195802460491.9

- sign -6.156+/-0.000 χ^2/NDF: 91818336440.1/23



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:46740.8/6

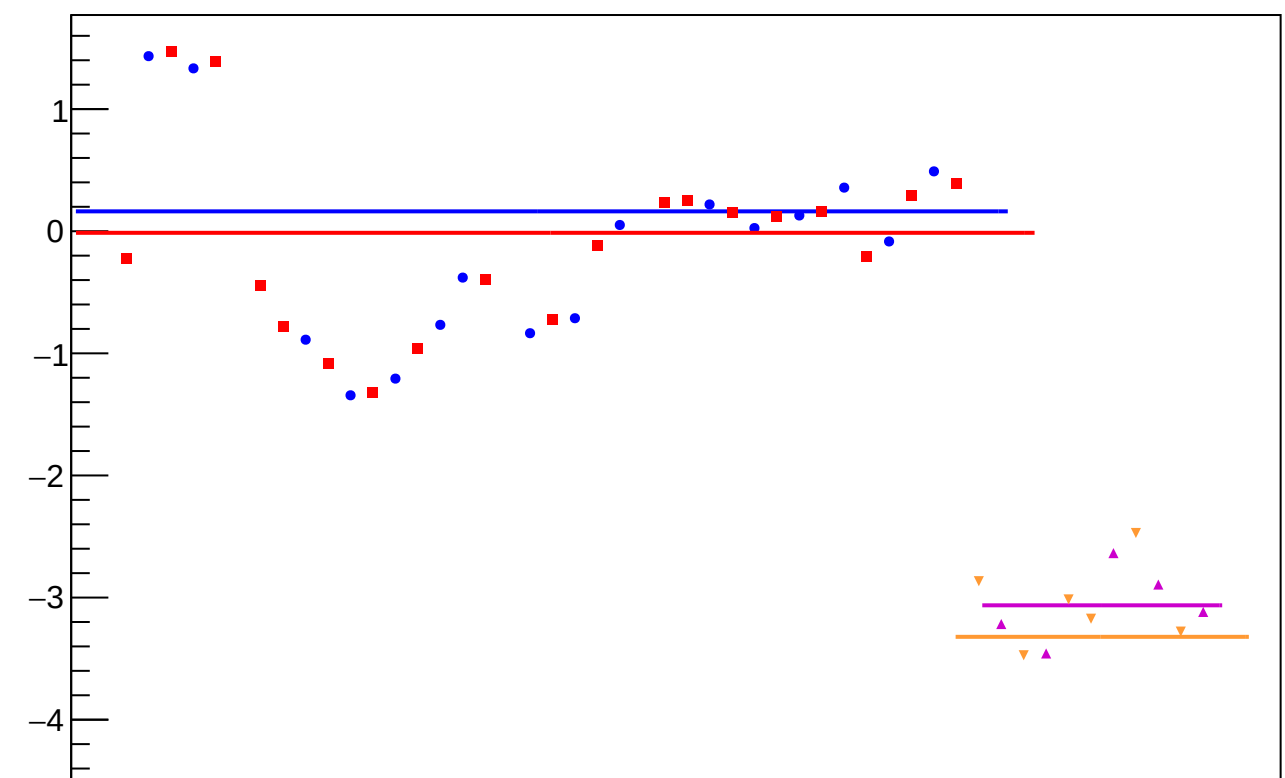
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:25090.5/4

+ sign 0.006+/-0.000 χ^2/NDF: 1591059.7/22

All: 0.006+/-0.000 χ^2/NDF: 2940675.9/46

- sign 0.006+/-0.000 χ^2/NDF: 1345805.3/23



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.321+/-0.000 χ^2/NDF:6167621816.2/6

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

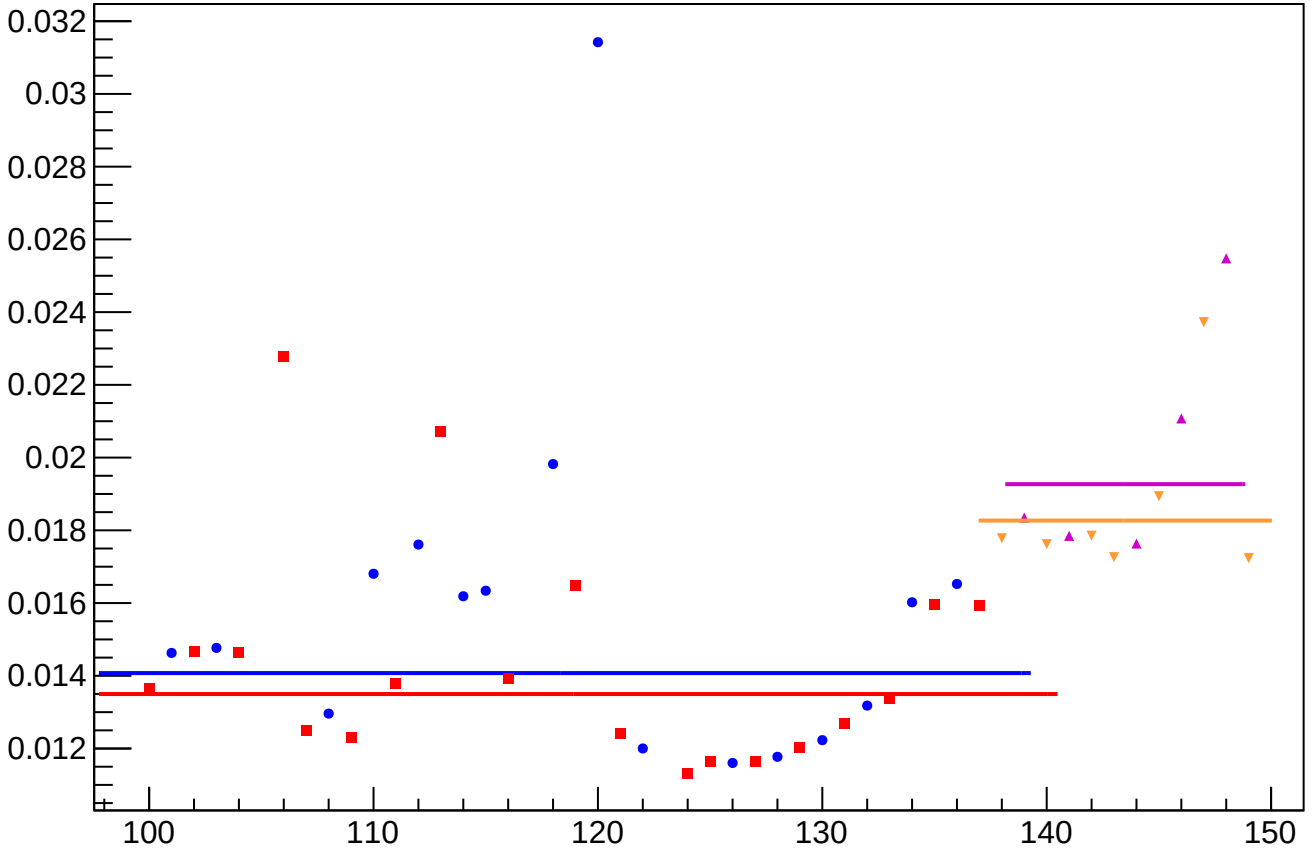
Left In: -3.063+/-0.000 χ^2/NDF:1017998573.9/4

+ sign -0.941+/-0.000 χ^2/NDF: 146576938564.3/22

All: -0.816+/-0.000 χ^2/NDF: 248770335629.1

- 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:95670.7/6

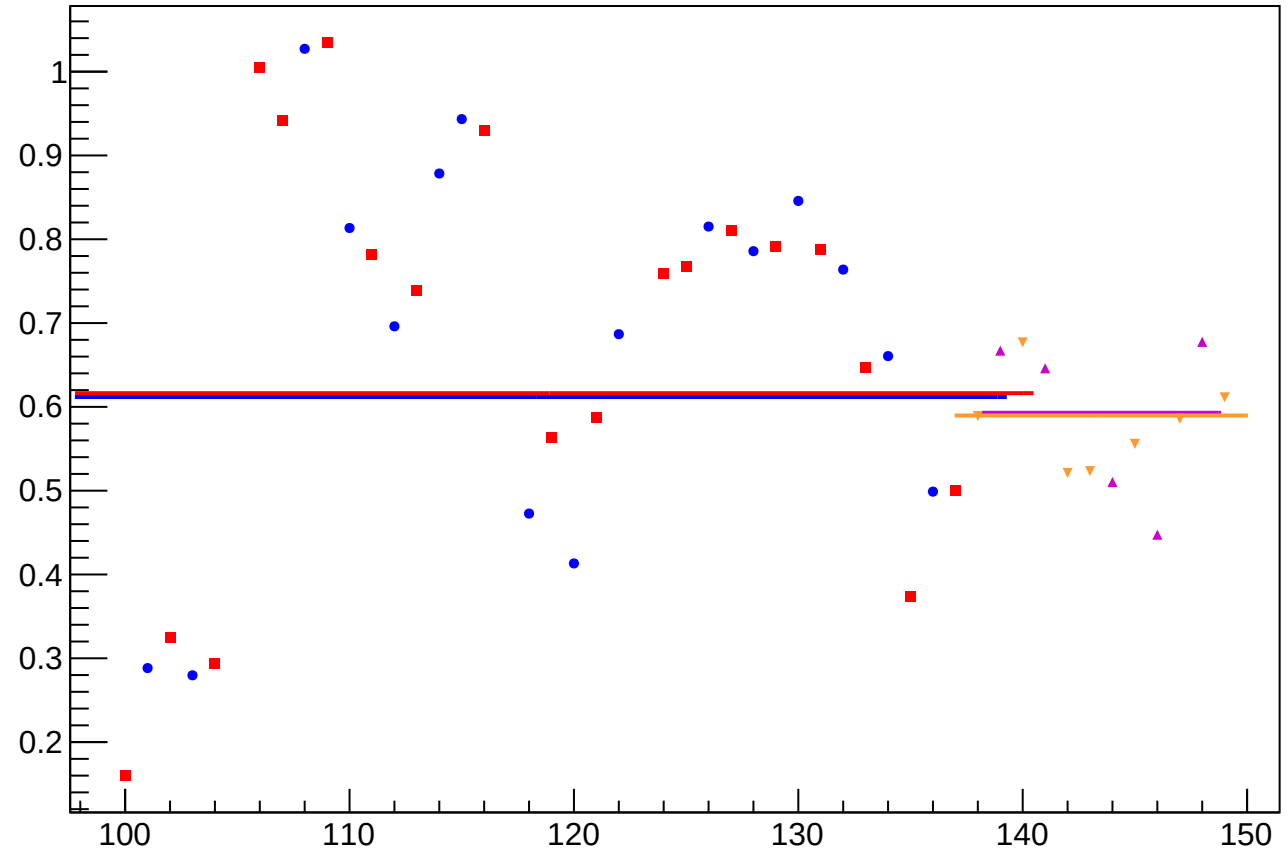
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.019+/-0.000 χ^2/NDF:130069.9/4

+ sign 0.015+/-0.000 χ^2/NDF: 915945.1/22

All: 0.015+/-0.000 χ^2/NDF: 1931697.6/46

- sign 0.015+/-0.000 χ^2/NDF: 997812.0/23



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.590+/-0.000 χ^2/NDF:167724616.7/6

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

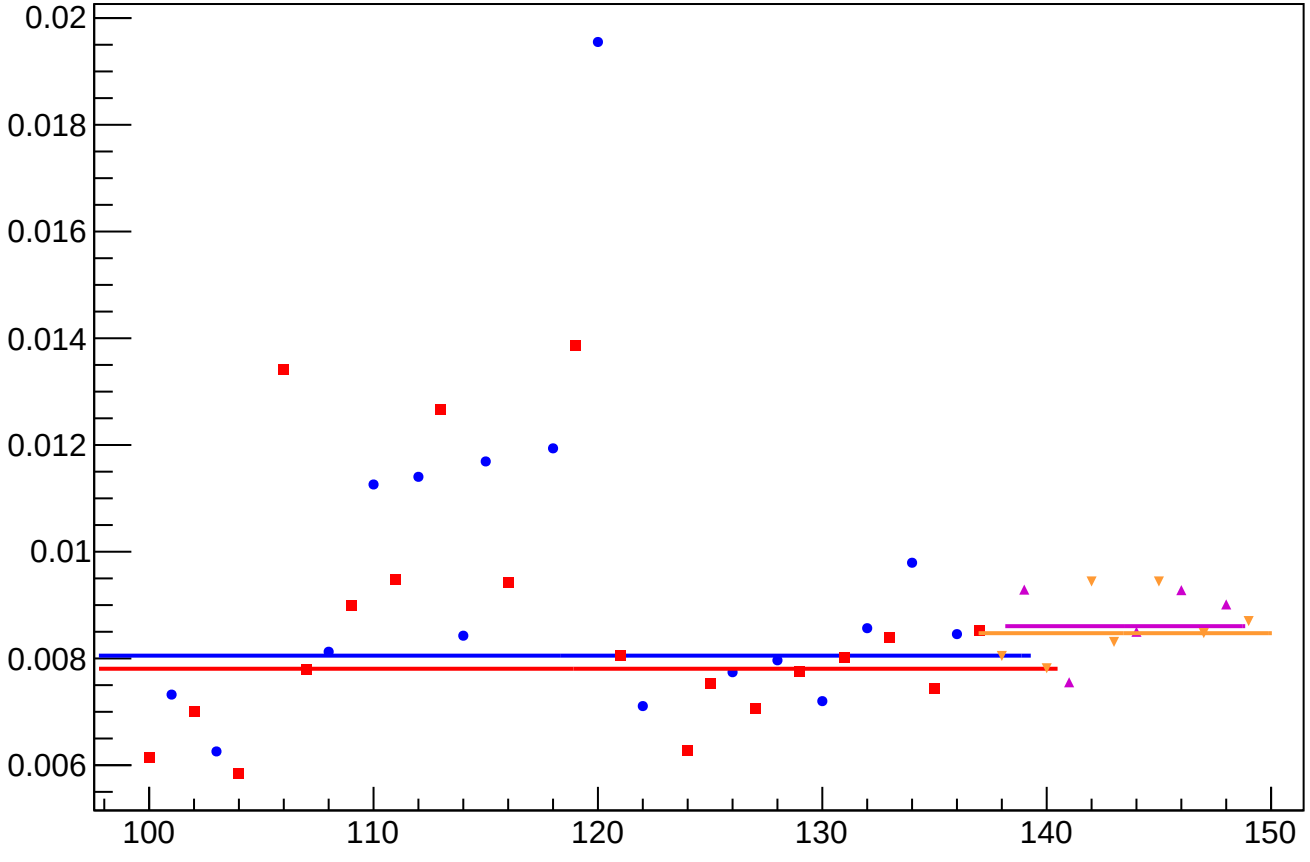
Left In: 0.593+/-0.000 χ^2/NDF:406638689.5/4

+ sign 0.603+/-0.000 χ^2/NDF: 5825174269.4/22

All: 0.606+/-0.000 χ^2/NDF: 12672689839.9/4

- 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:37460.1/6

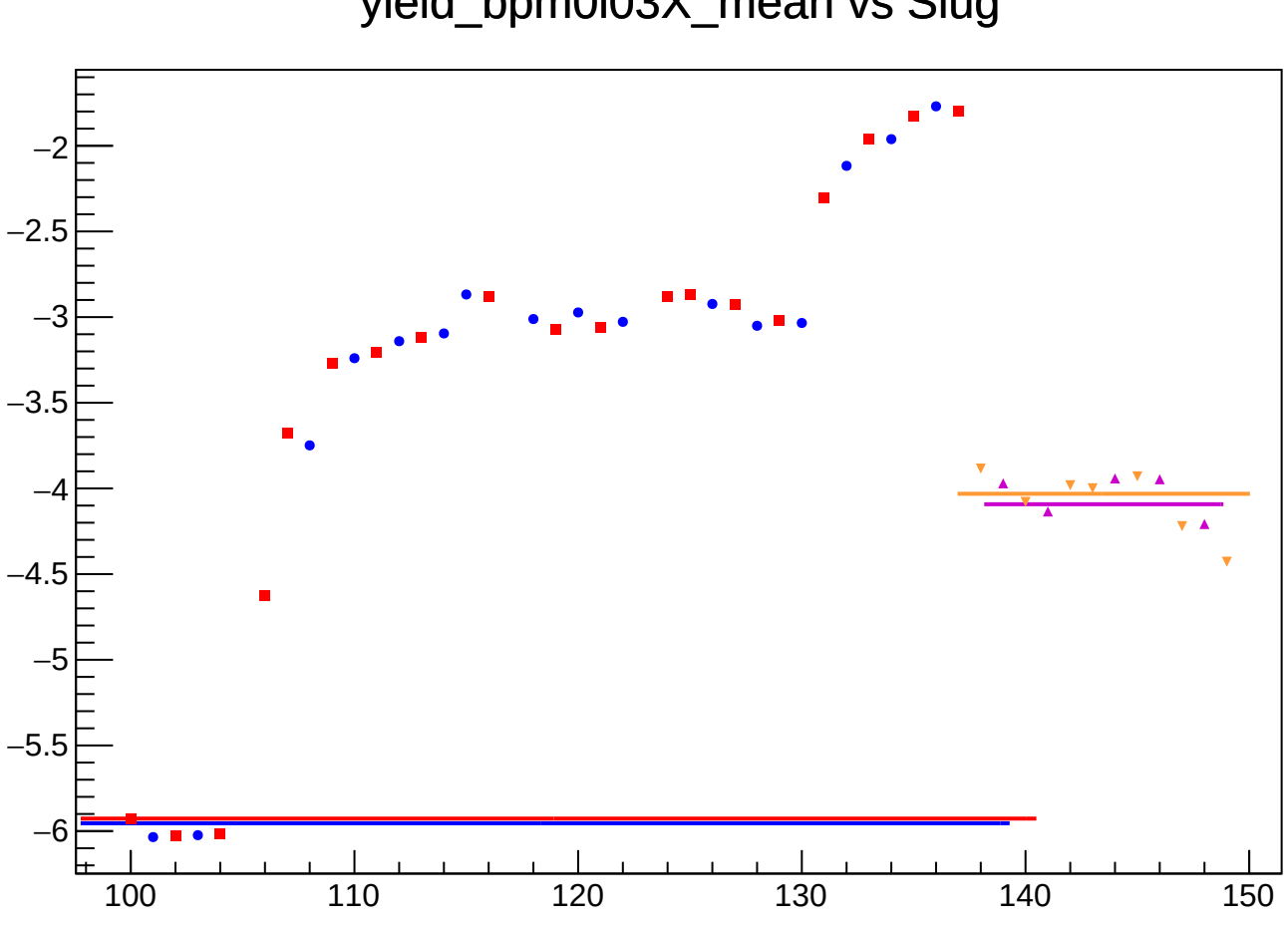
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.009+/-0.000 χ^2/NDF:49216.4/4

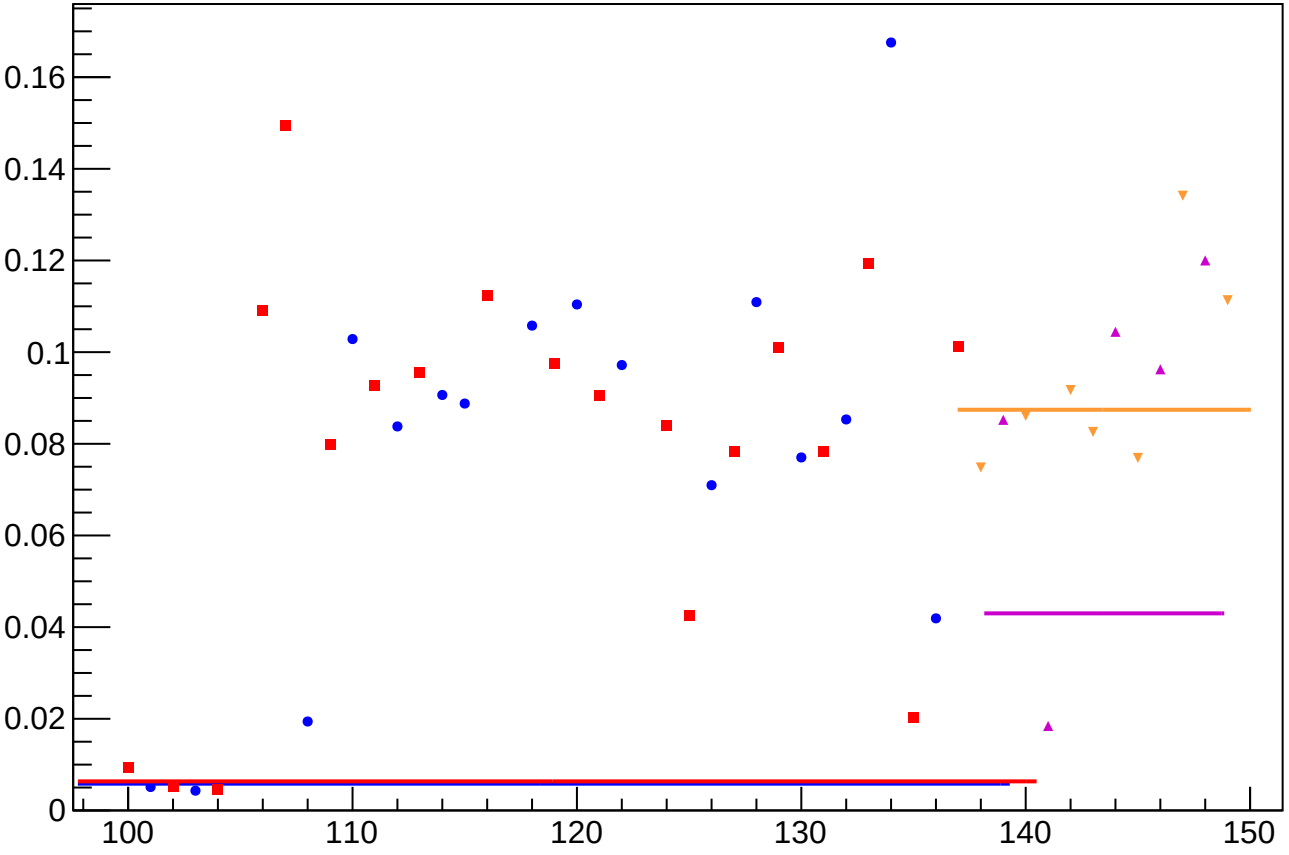
+ sign 0.008+/-0.000 χ^2/NDF: 649171.8/22

All: 0.008+/-0.000 χ^2/NDF: 1332857.0/46

- 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: -4.031+/-0.000 χ²/NDF:15602107.3/6
Right Out: -5.927+/-0.000 χ²/NDF: 13922819741.5/18
Left In: -4.092+/-0.000 χ²/NDF:6713898.2/4
+ sign -5.932+/-0.000 χ²/NDF: 15344292495.8/22
All: -5.911+/-0.000 χ²/NDF: 32547727293.2/
- 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: 0.087+/-0.000 χ^2/NDF:315734.3/6

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

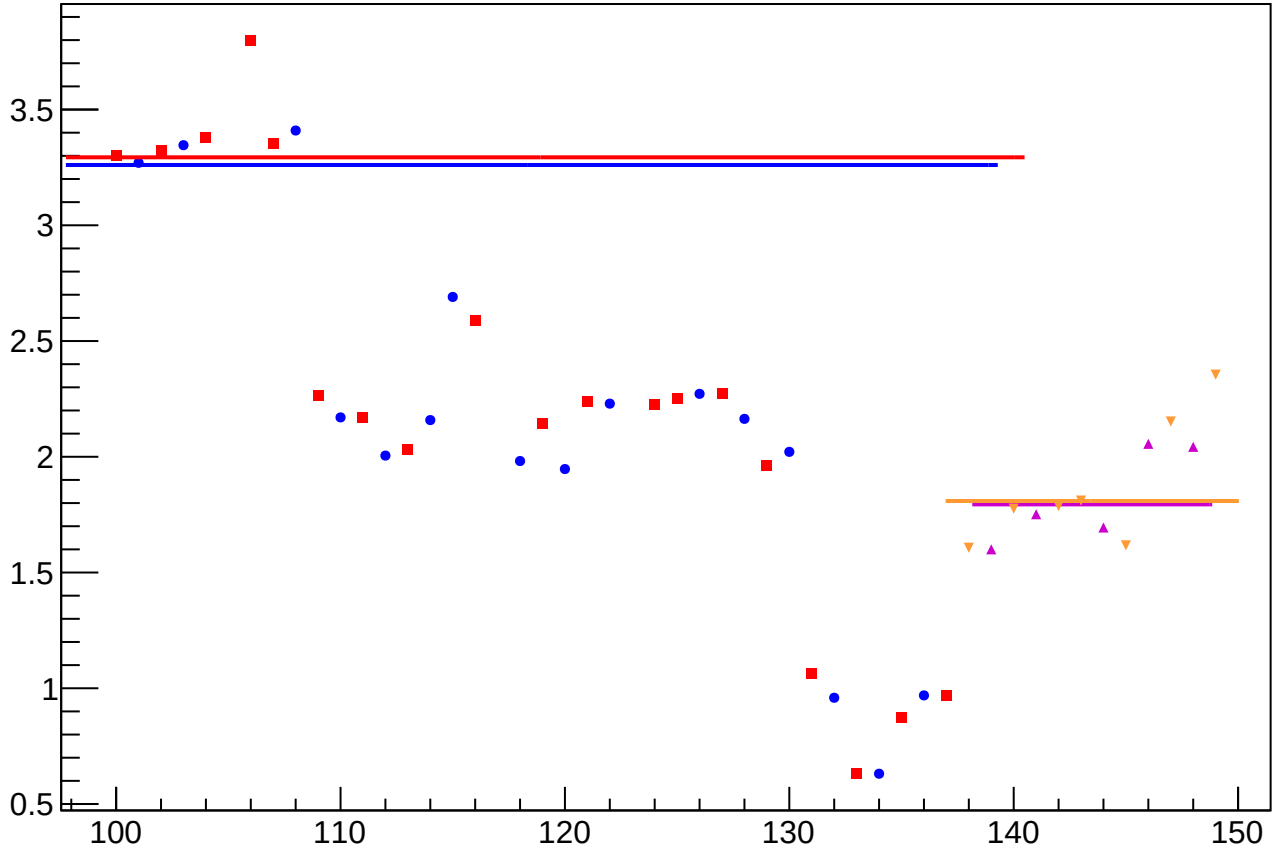
Left In: 0.043+/-0.000 χ^2/NDF:2782573.9/4

+ sign 0.007+/-0.000 χ^2/NDF: 17042646.2/22

All: 0.007+/-0.000 χ^2/NDF: 31157183.2/46

- 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: 1.809+/-0.000 χ^2/NDF:29477763.5/6

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

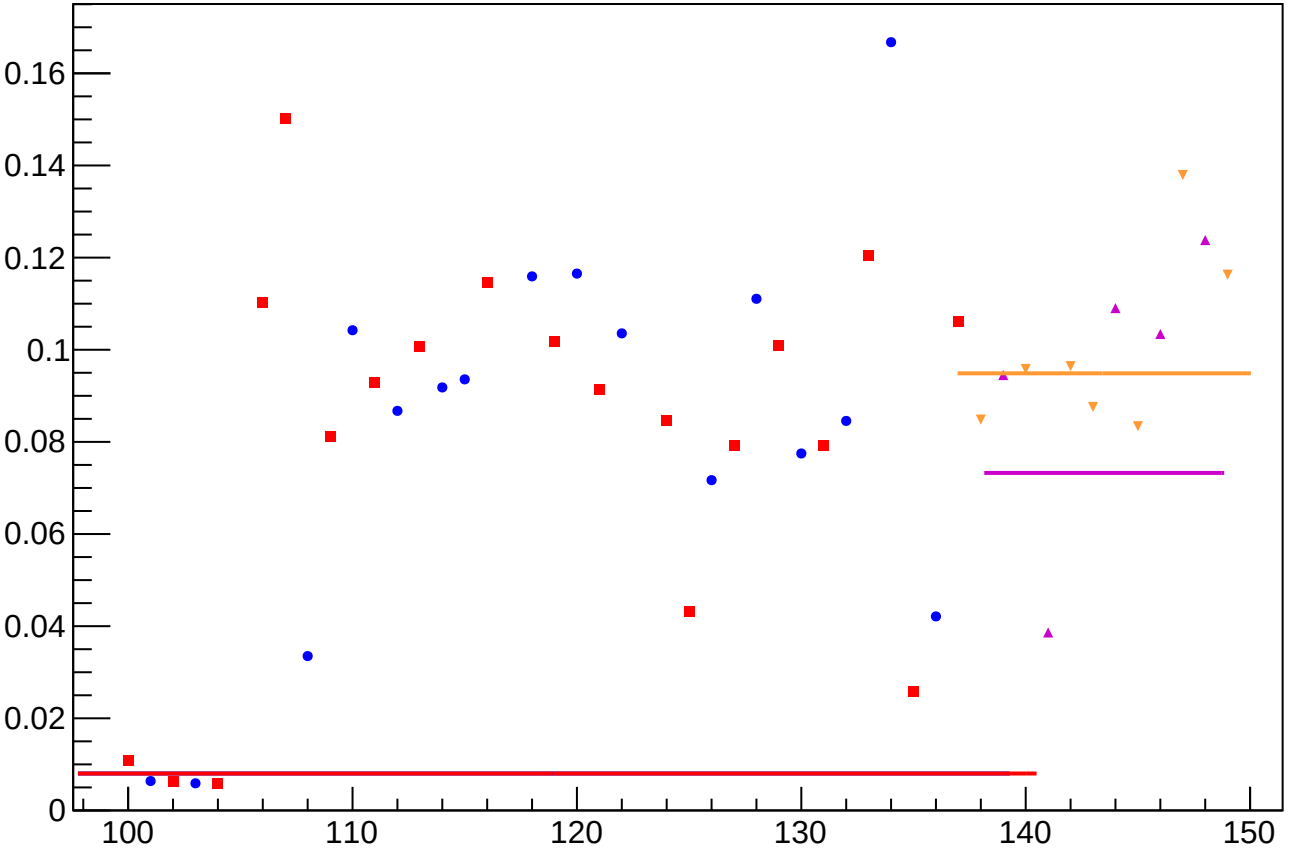
Left In: 1.794+/-0.000 χ^2/NDF:12021482.2/4

+ sign 3.236+/-0.000 χ^2/NDF: 4128518355.9/22

All: 3.252+/-0.000 χ^2/NDF: 8539093187.5/46

- 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: 0.095+/-0.000 χ^2/NDF:248907.9/6

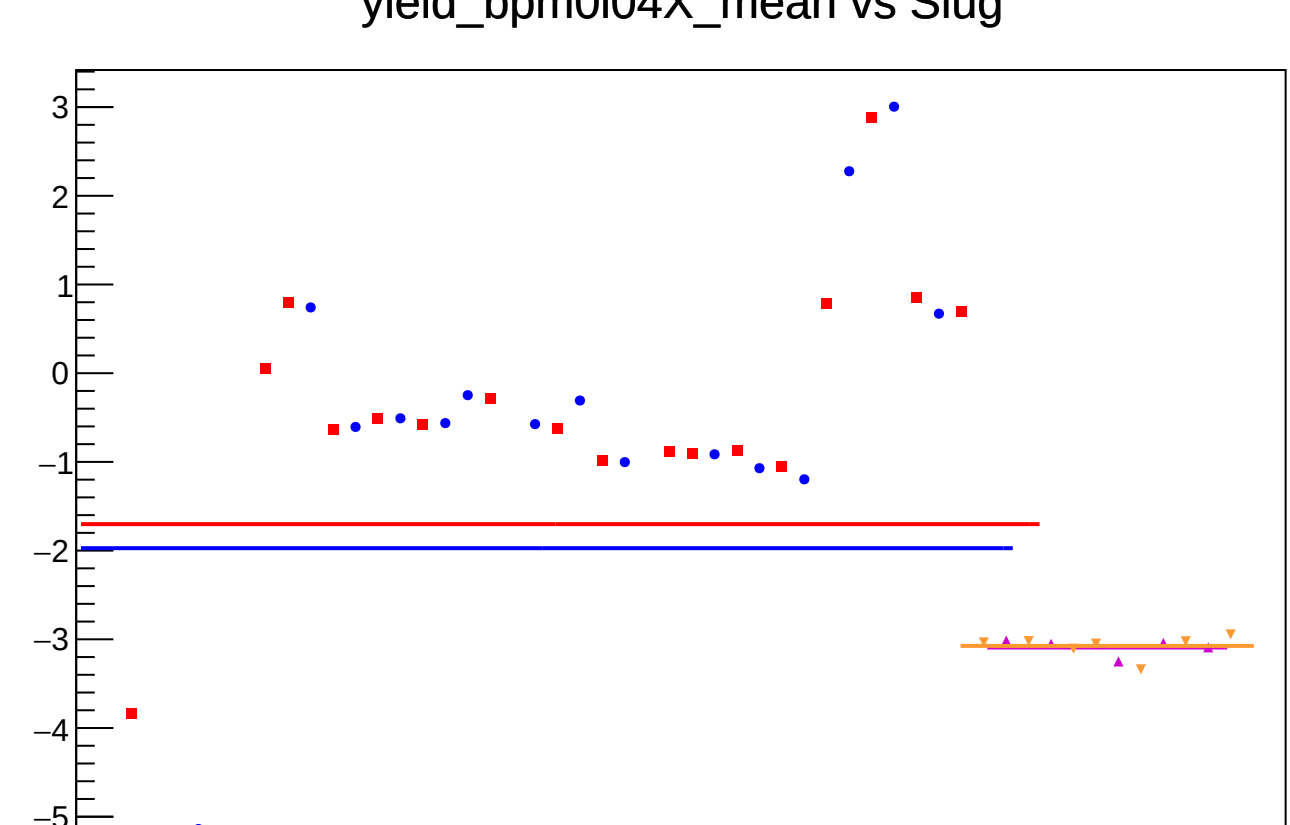
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.073+/-0.000 χ^2/NDF:1222544.1/4

+ sign 0.009+/-0.000 χ^2/NDF: 16466443.4/22

All: 0.009+/-0.000 χ^2/NDF: 30550854.0/46

- sign 0.009+/-0.000 χ^2/NDF: 14081261.2/23



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.075+/-0.000 χ^2/NDF:1168126449.5/6

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

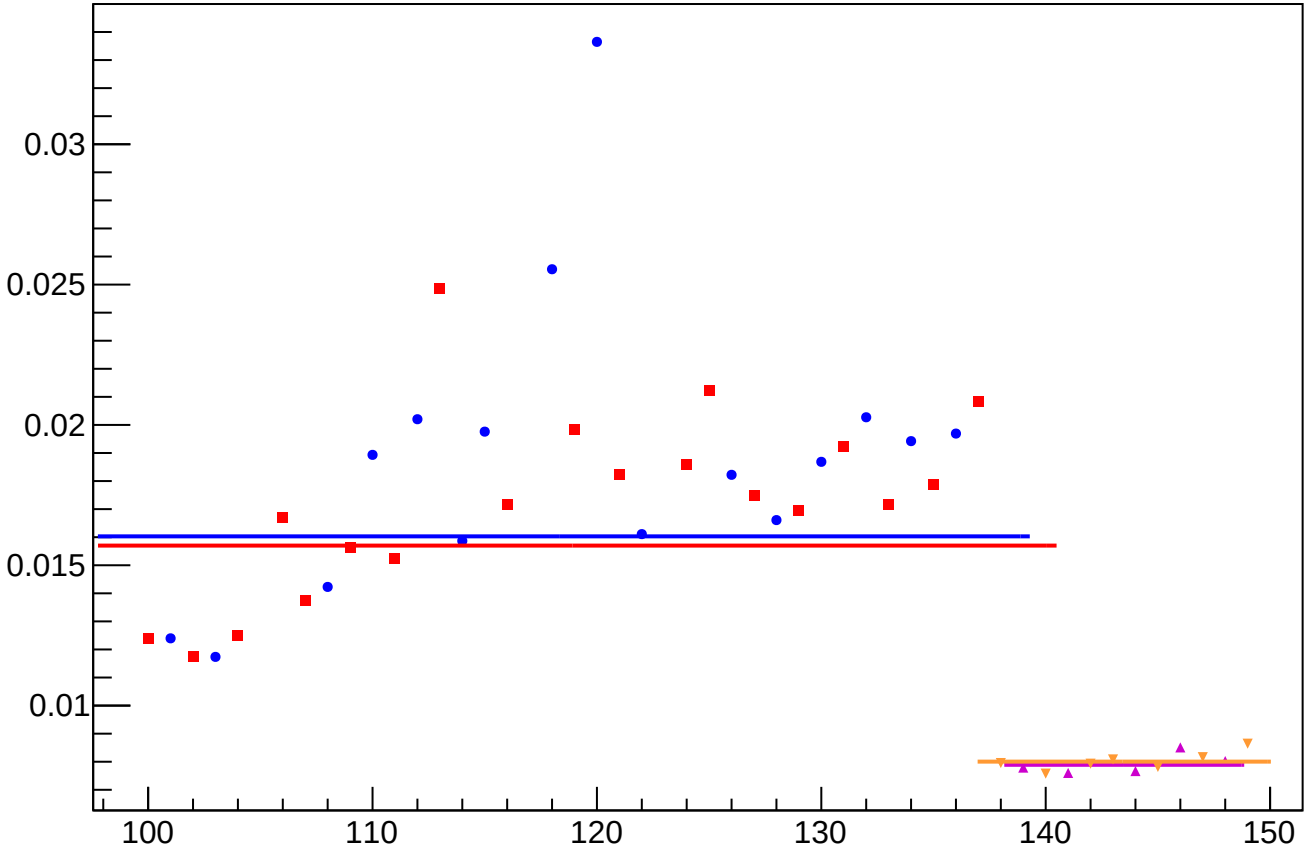
Left In: -3.092+/-0.000 χ^2/NDF:503913568.4/4

+ sign -2.831+/-0.000 χ^2/NDF: 184573416929.5/22

All: -2.772+/-0.000 χ^2/NDF: 390098221904.0

- 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:15747.5/6

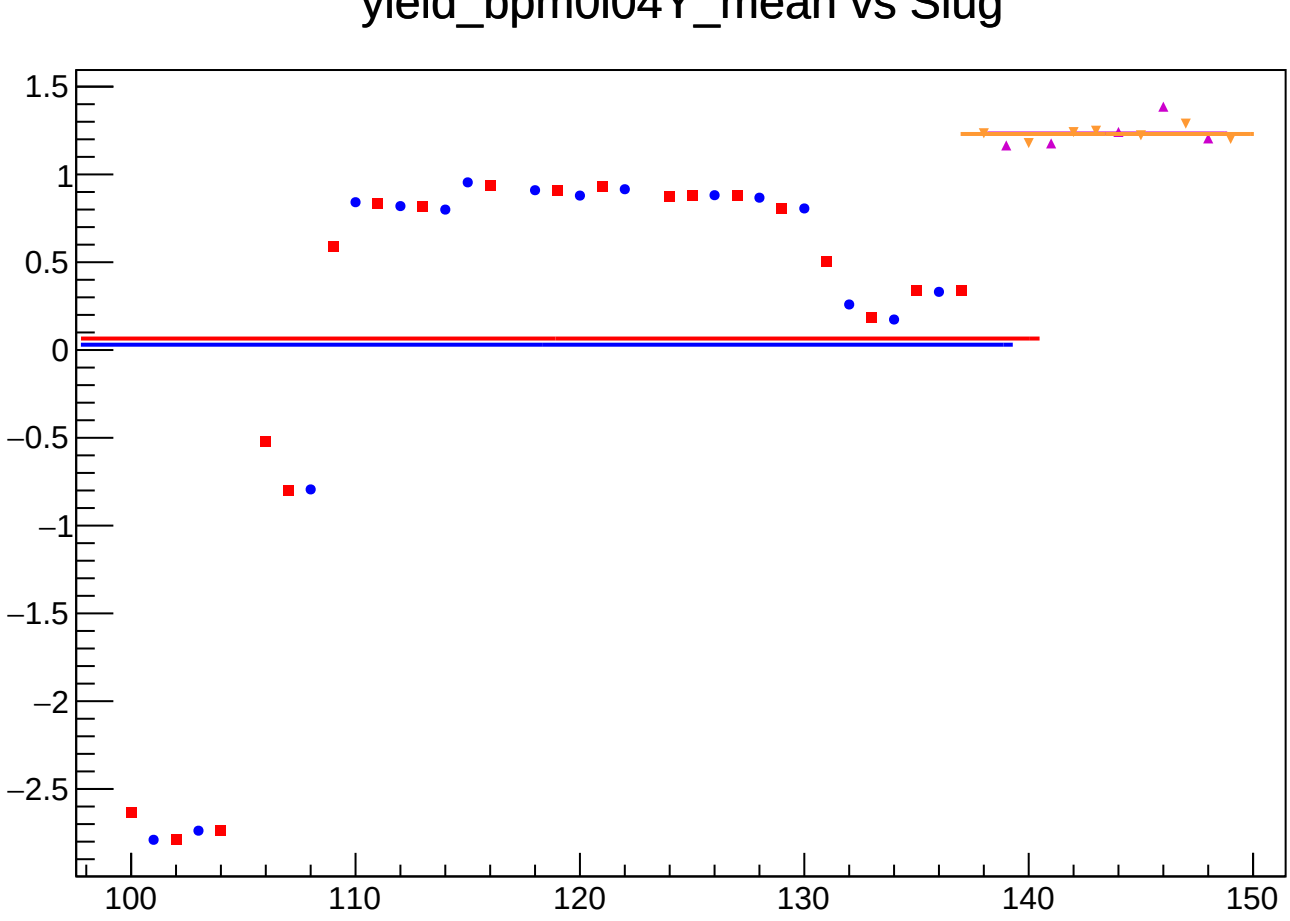
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:13801.0/4

+ sign 0.010+/-0.000 χ^2/NDF: 3025389.2/22

All: 0.010+/-0.000 χ^2/NDF: 5828976.3/46

- 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: 1.230+/-0.000 χ^2/NDF:82951647.9/6

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

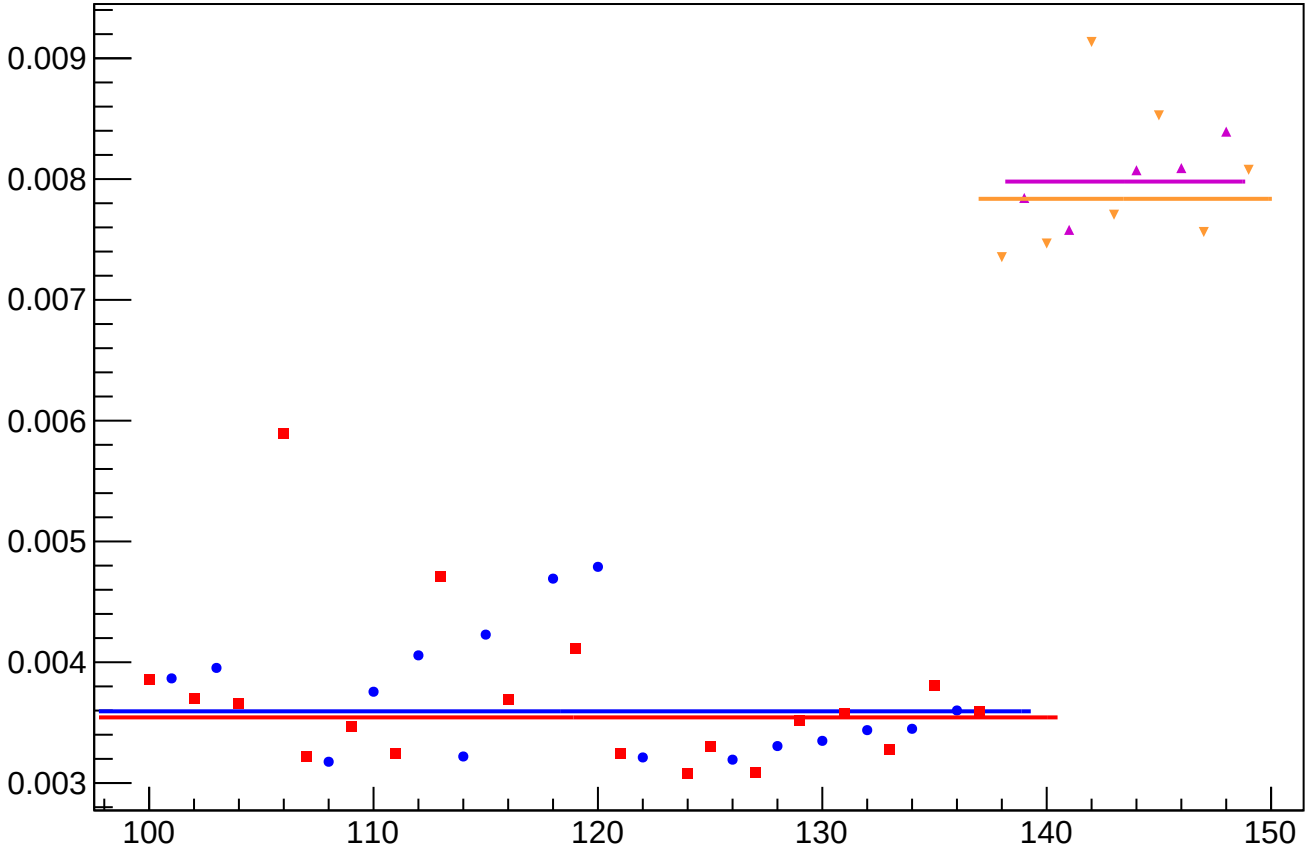
Left In: 1.233+/-0.000 χ^2/NDF:342840630.4/4

+ sign 0.168+/-0.000 χ^2/NDF: 937941999652.9/22

All: 0.169+/-0.000 χ^2/NDF: 1941819304808.

- 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:34536.9/6

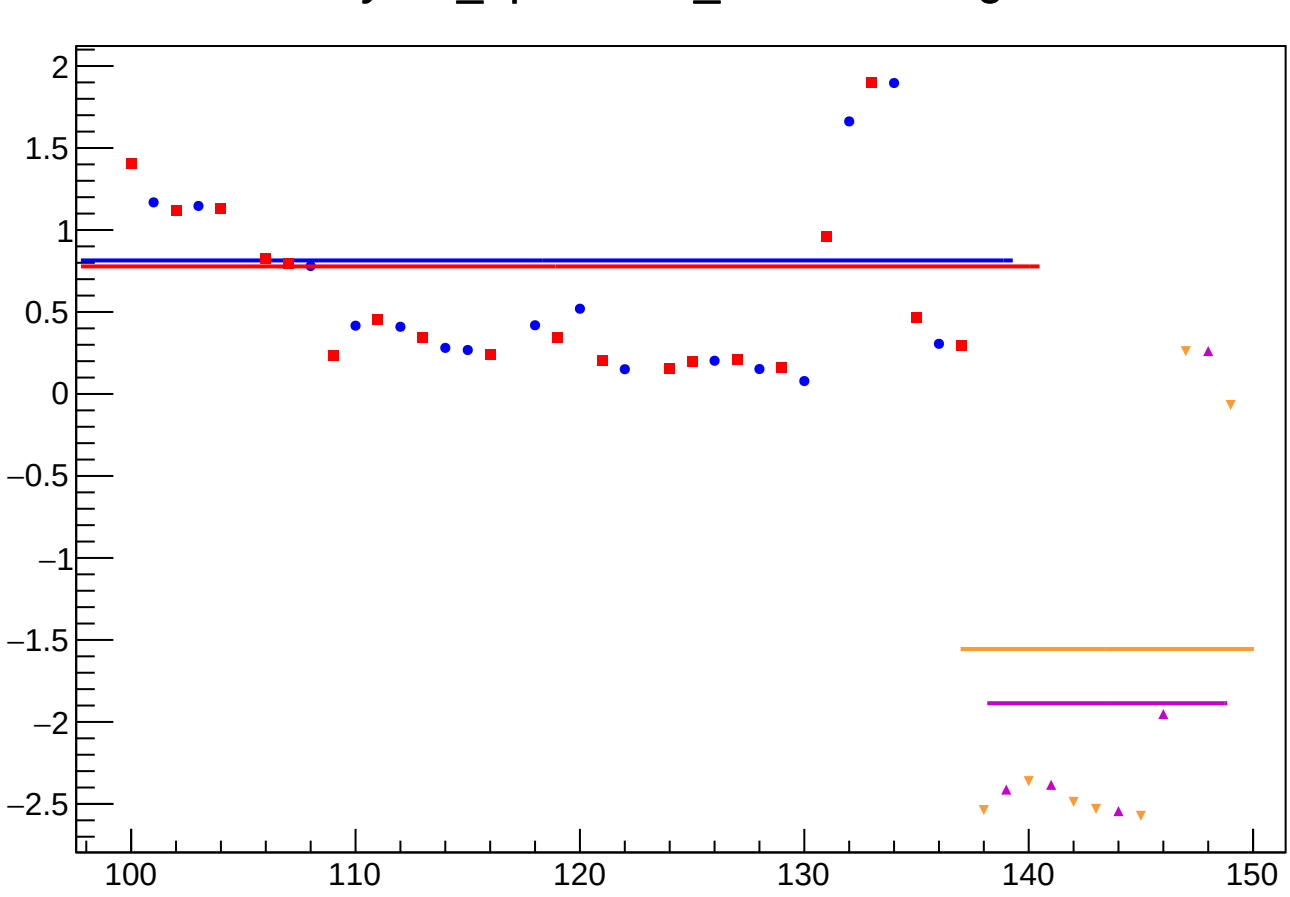
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:8176.5/4

+ sign 0.004+/-0.000 χ^2/NDF: 2369140.2/22

All: 0.004+/-0.000 χ^2/NDF: 4577471.8/46

- 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: -1.555+/-0.000 χ^2/NDF:141057029503.6/6

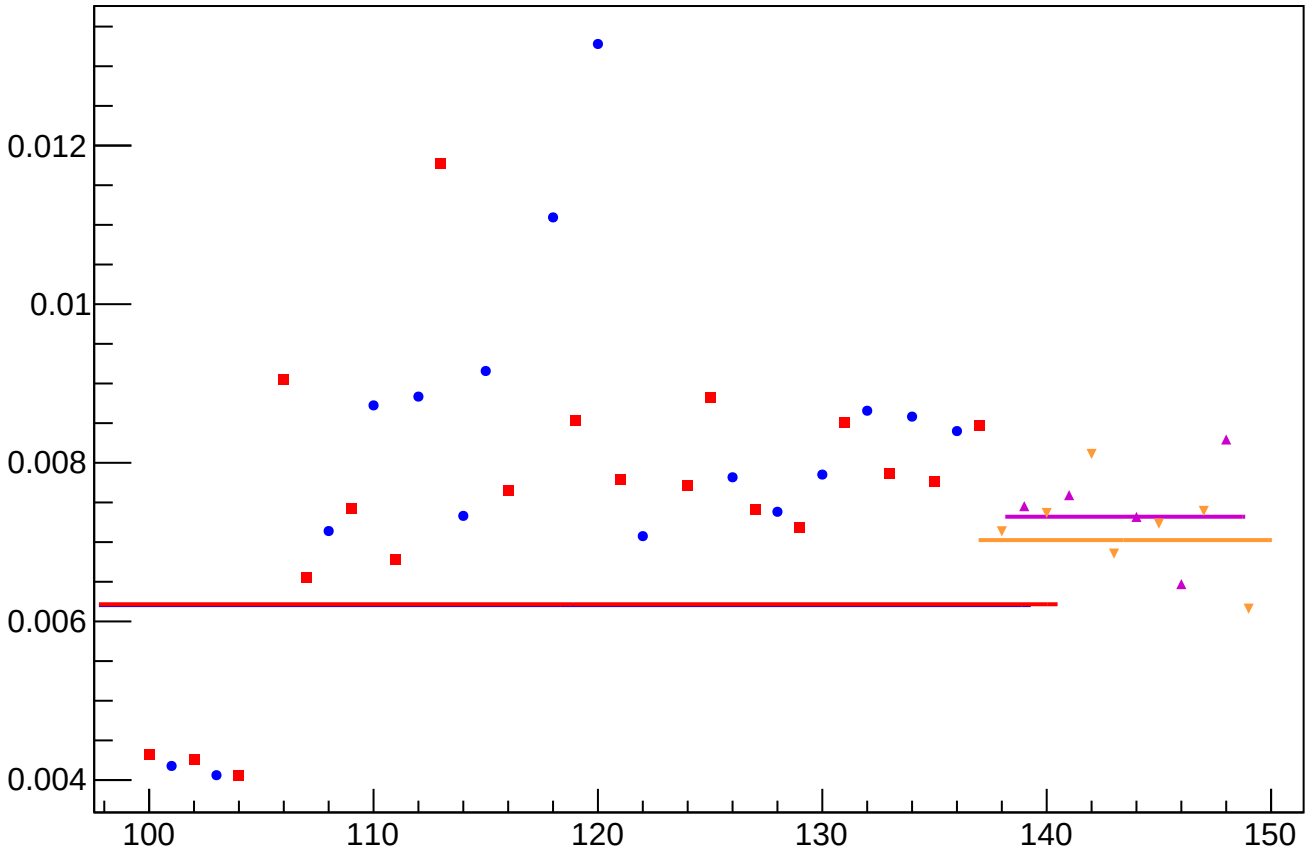
Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -1.886+/-0.000 χ^2/NDF:64369369279.6/4

+ sign -0.104+/-0.000 χ^2/NDF: 490332853289.8/22

All: -0.077+/-0.000 χ^2/NDF: 932461334387.5

- 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:51714.2/6

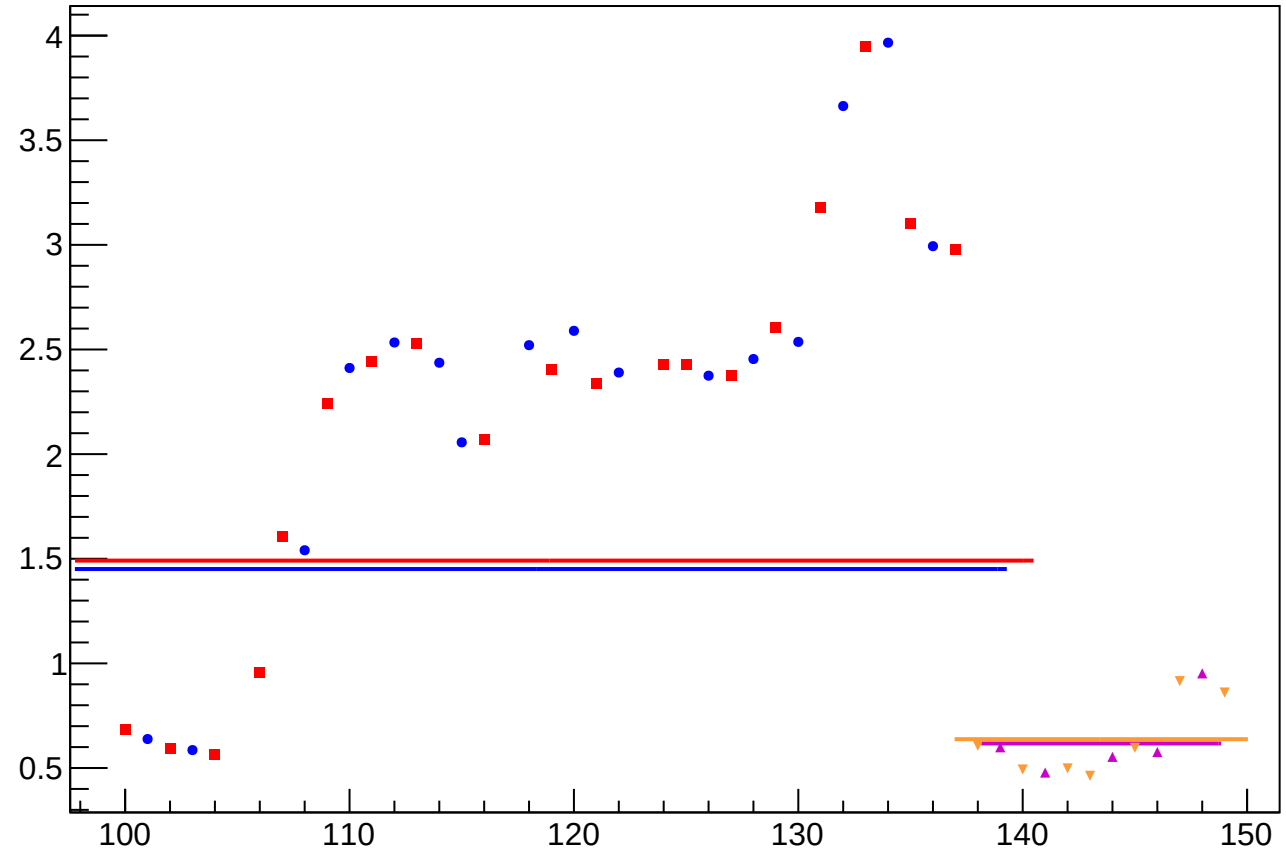
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:50722.2/4

+ sign 0.007+/-0.000 χ^2/NDF: 1550669.2/22

All: 0.007+/-0.000 χ^2/NDF: 2880556.5/46

- 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: 0.638+/-0.000 χ^2/NDF:2270381588.4/6

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

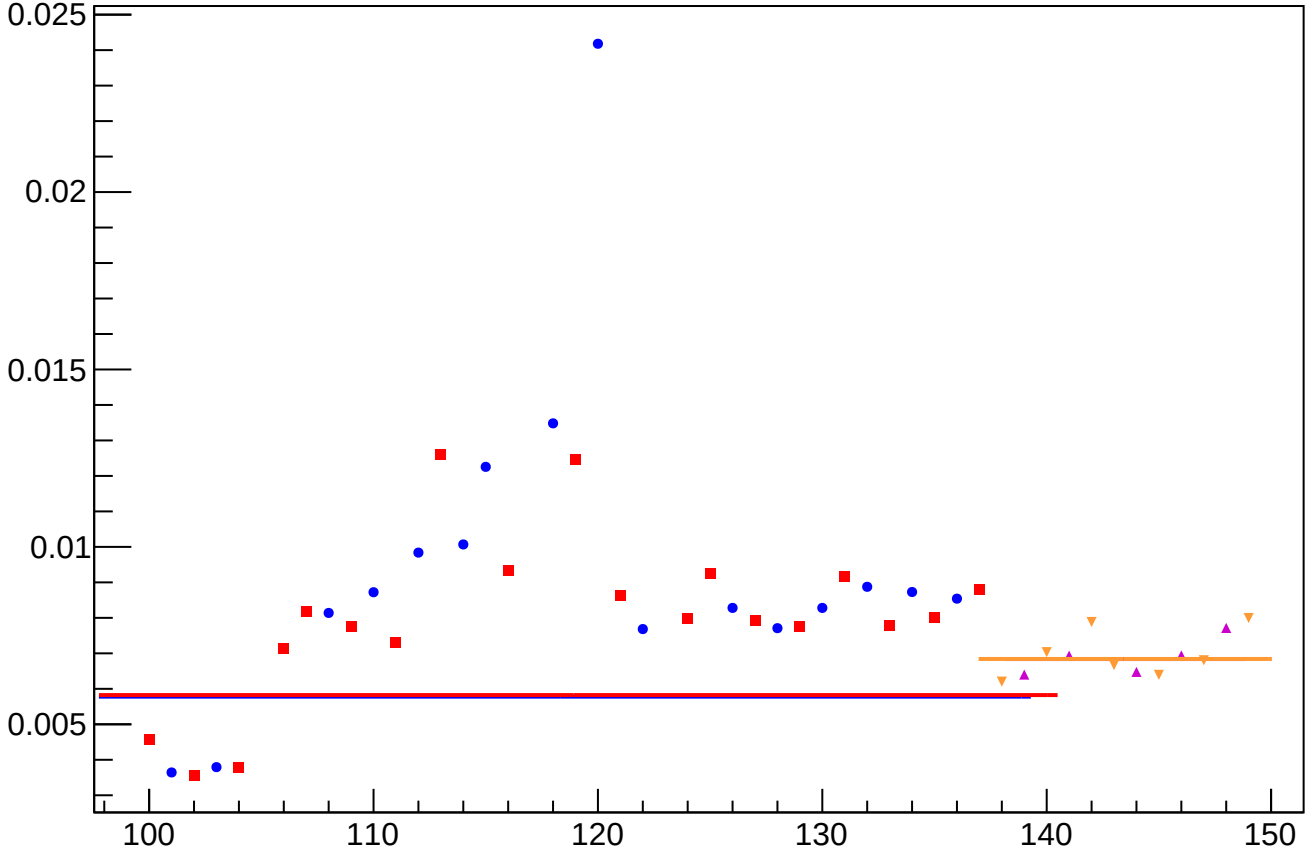
Left In: 0.617+/-0.000 χ^2/NDF:1591071137.9/4

+ sign 1.162+/-0.000 χ^2/NDF: 207069473056.4/22

All: 1.196+/-0.000 χ^2/NDF: 433092708779.3

- 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:56724.1/6

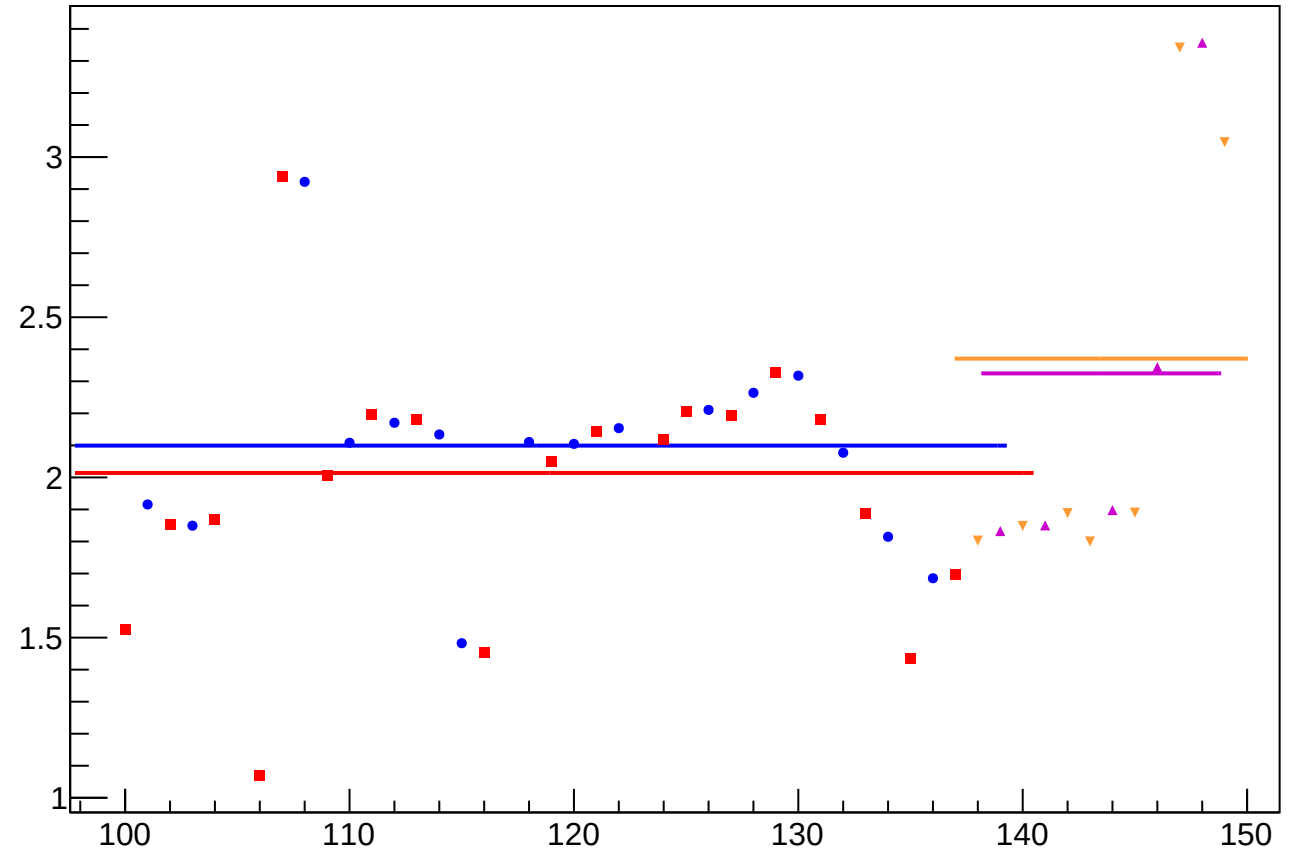
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.007+/-0.000 χ^2/NDF:27502.8/4

+ sign 0.006+/-0.000 χ^2/NDF: 2390402.8/22

All: 0.006+/-0.000 χ^2/NDF: 4473791.3/46

- 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: 2.371+/-0.000 χ^2/NDF:30513435905.7/6

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

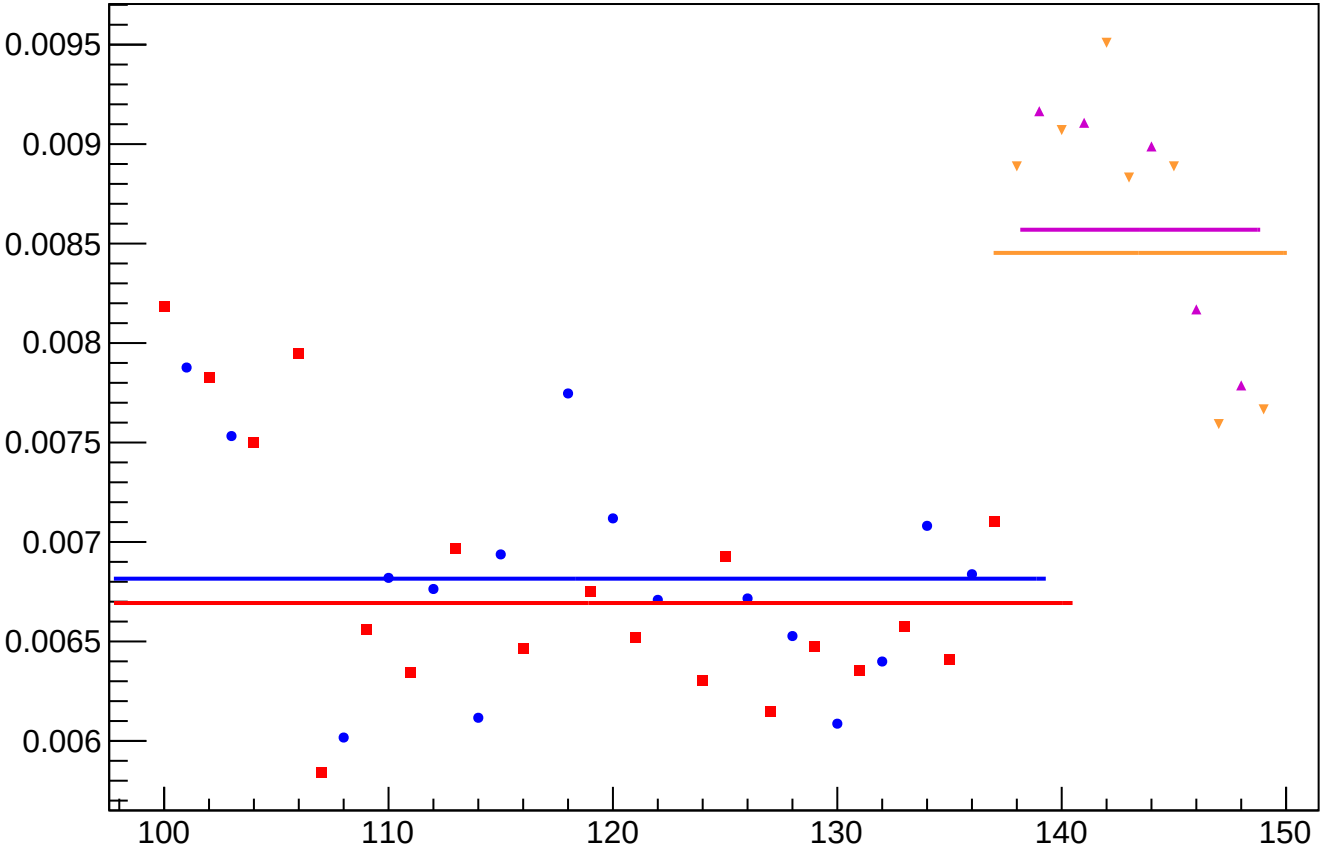
Left In: 2.325+/-0.000 χ^2/NDF:20500018596.9/4

+ sign 2.186+/-0.000 χ^2/NDF: 47888157425.9/22

All: 2.140+/-0.000 χ^2/NDF: 92887257189.9/4

- sign 2.095+/-0.000 χ^2/NDF: 44105146467.1/23

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:63162.0/6

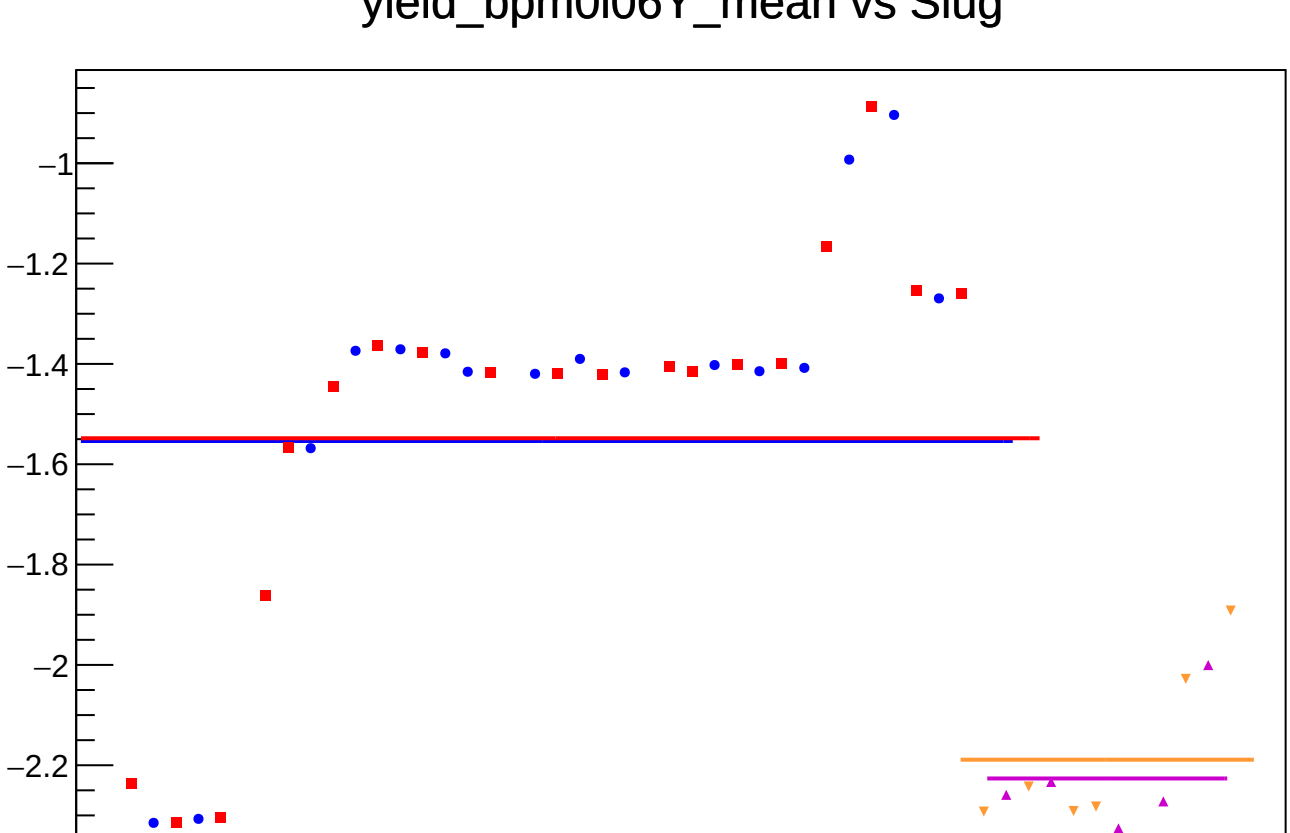
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.009+/-0.000 χ^2/NDF:36361.0/4

+ sign 0.007+/-0.000 χ^2/NDF: 400497.8/22

All: 0.007+/-0.000 χ^2/NDF: 820911.3/46

- sign 0.007+/-0.000 χ^2/NDF: 415134.3/23



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.189+/-0.000 χ^2/NDF:11432767693.9/6

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

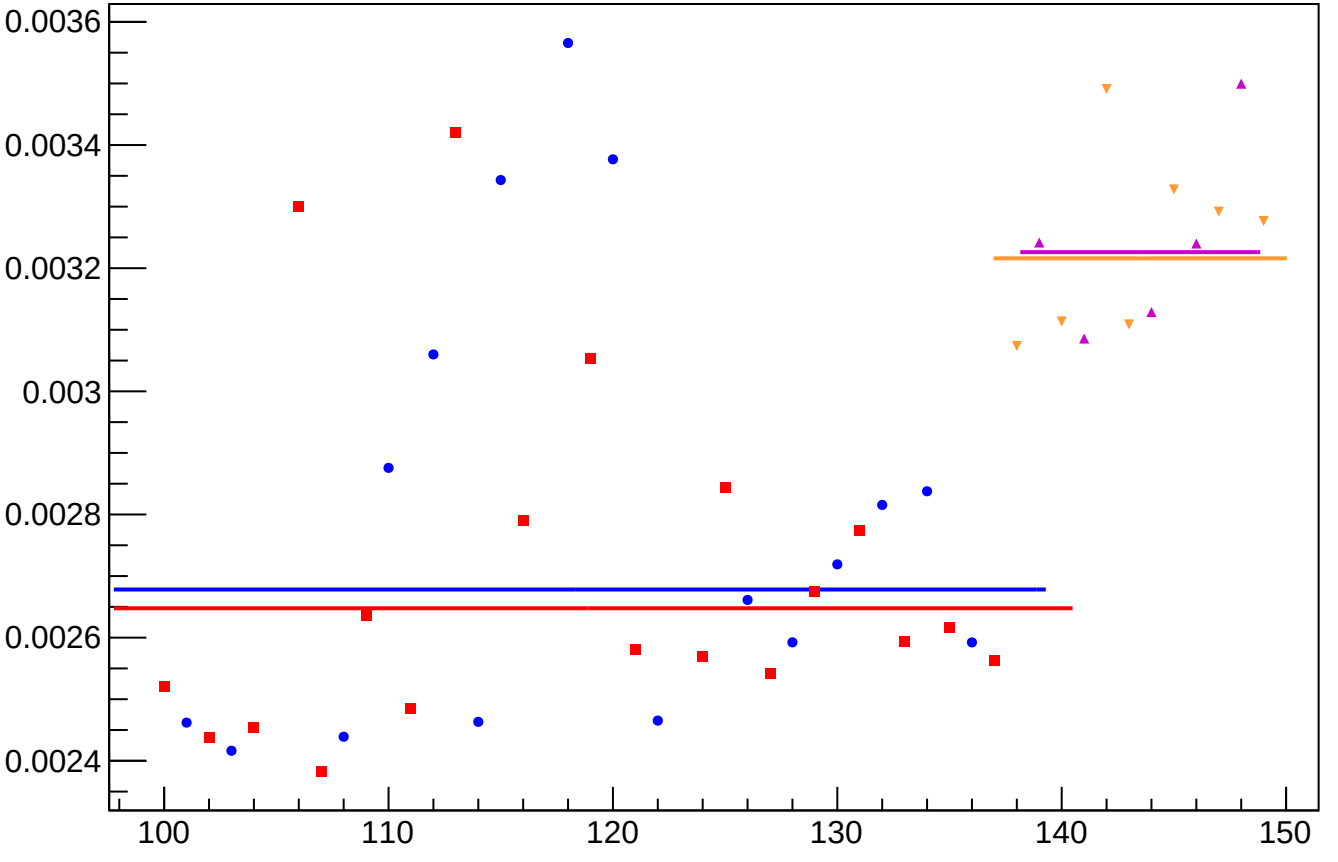
Left In: -2.226+/-0.000 χ^2/NDF:4271763369.8/4

+ sign -1.760+/-0.000 χ^2/NDF: 309249482825.7/22

All: -1.746+/-0.000 χ^2/NDF: 613127506354.

- 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:13853.3/6

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

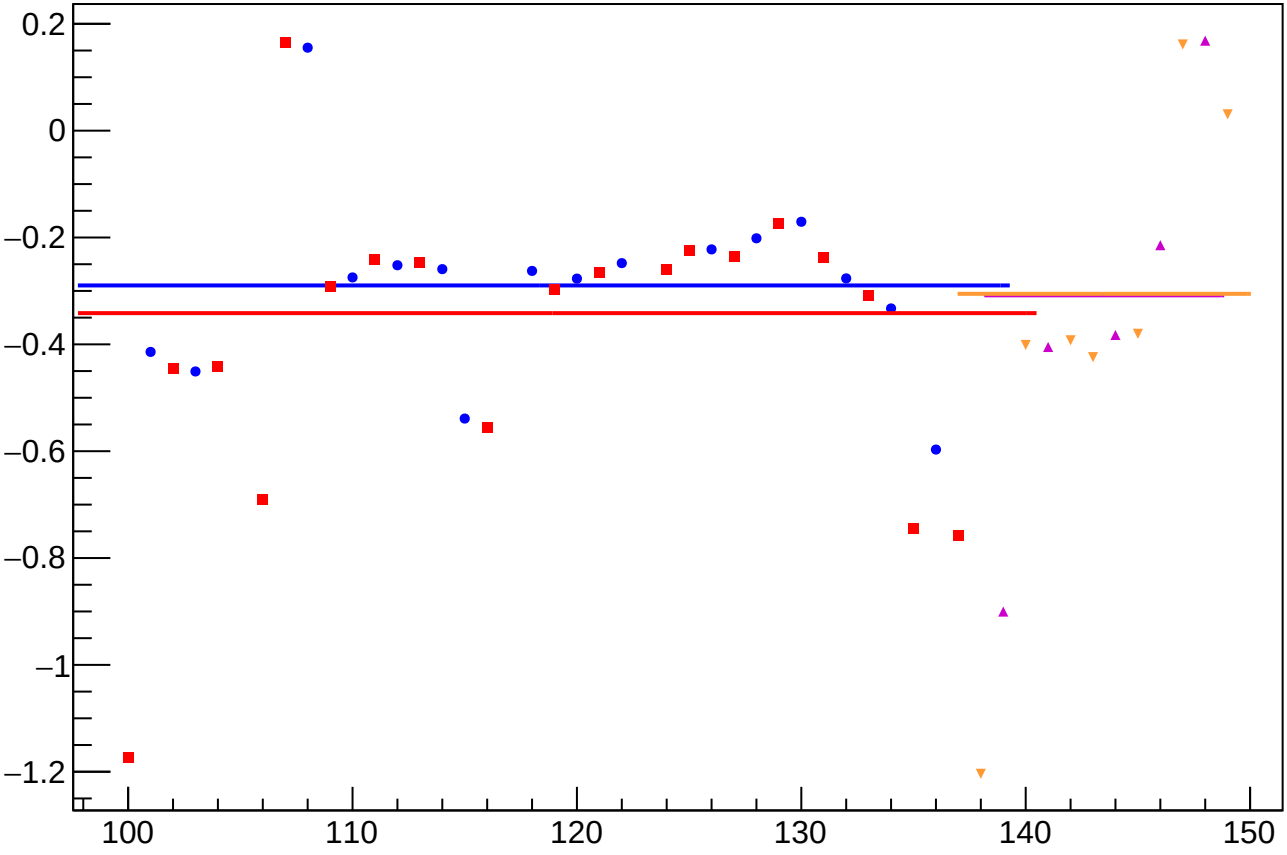
Left In: 0.003+/-0.000 χ^2/NDF:14310.1/4

+ sign 0.003+/-0.000 χ^2/NDF: 347516.7/22

All: 0.003+/-0.000 χ^2/NDF: 662083.0/46

- sign 0.003+/-0.000 χ^2/NDF: 311272.7/23

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.305+/-0.000 χ^2/NDF:4303999503.5/6

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

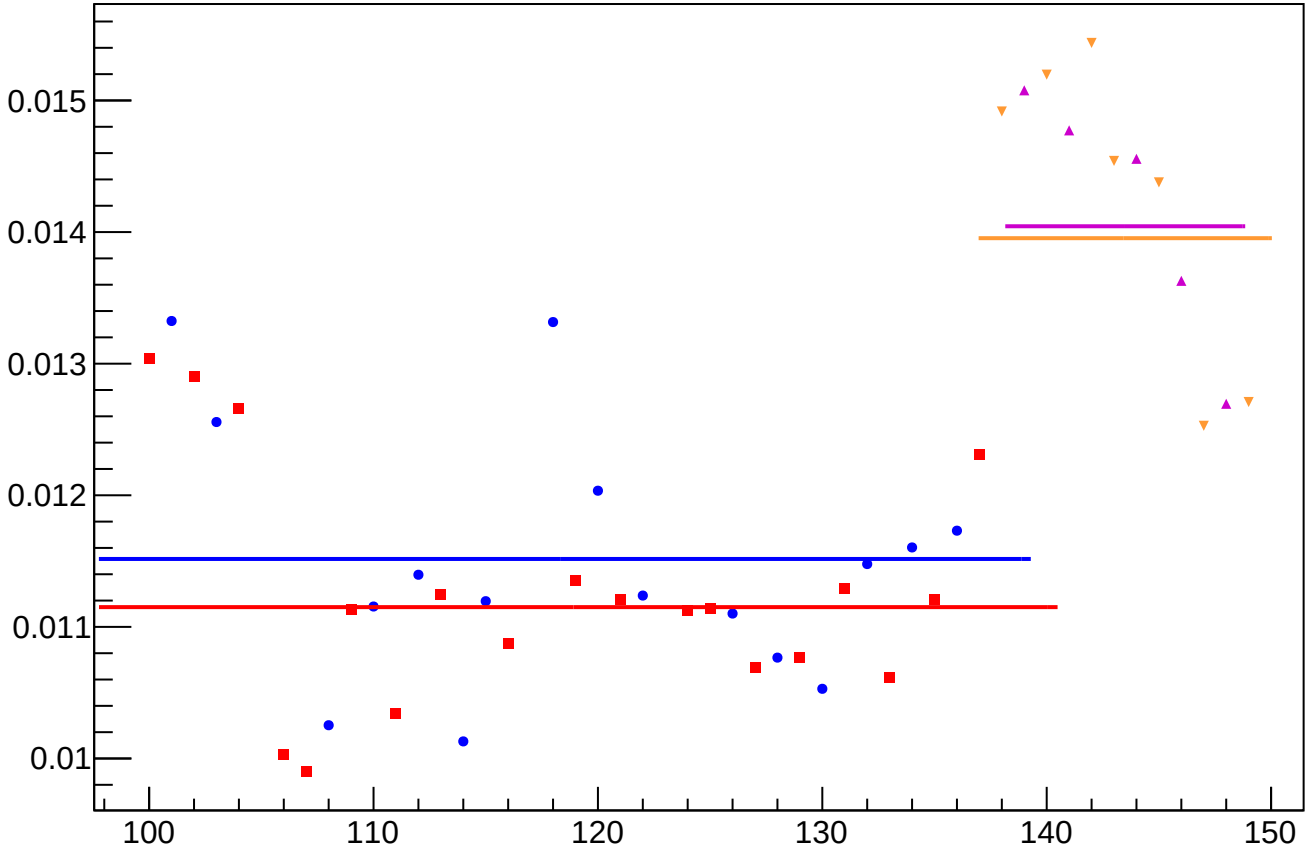
Left In: -0.308+/-0.000 χ^2/NDF:2431102766.1/4

+ sign -0.295+/-0.000 χ^2/NDF: 5953358285.0/22

All: -0.314+/-0.000 χ^2/NDF: 11067115364.8/

- sign -0.333+/-0.000 χ^2/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:62735.8/6

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

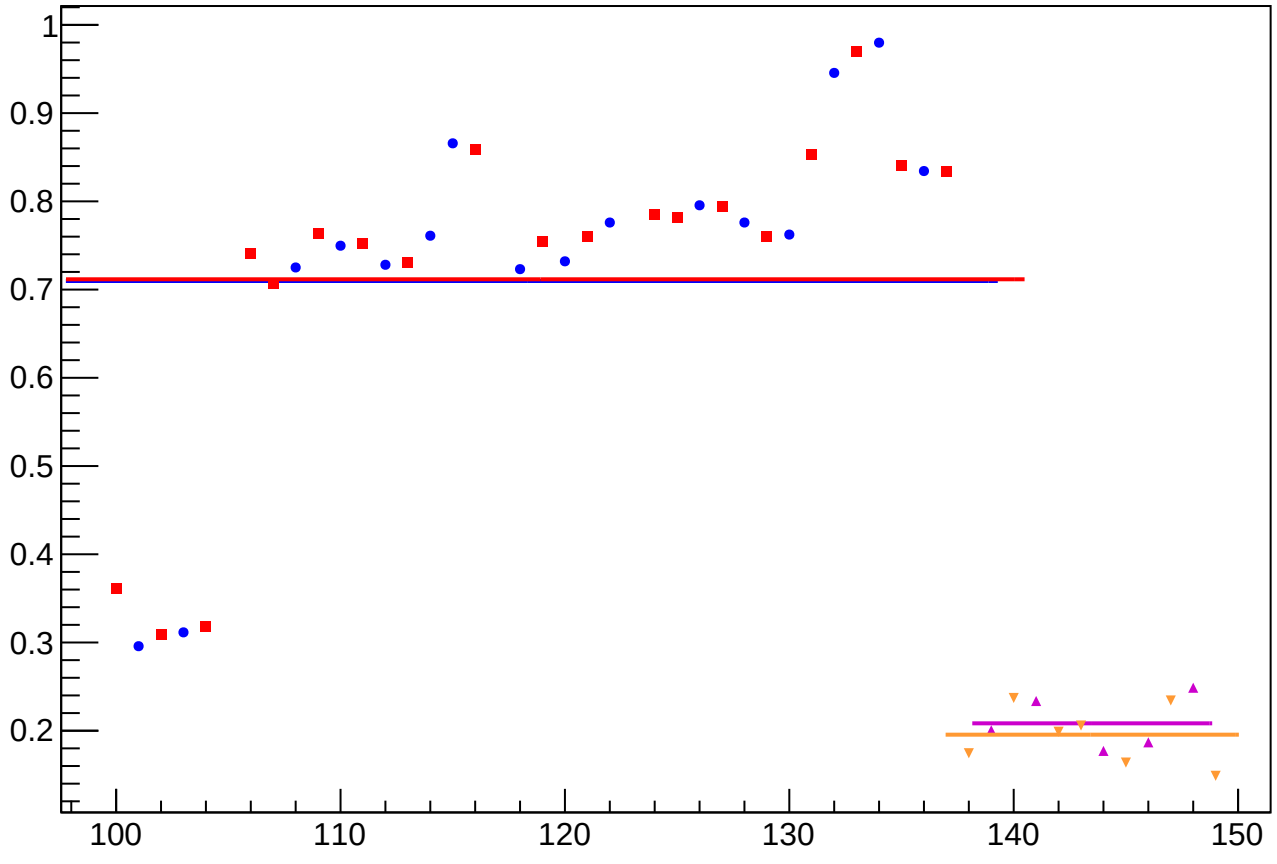
Left In: 0.014+/-0.000 χ^2/NDF:32776.3/4

+ sign 0.012+/-0.000 χ^2/NDF: 348815.2/22

All: 0.012+/-0.000 χ^2/NDF: 719071.2/46

- sign 0.012+/-0.000 χ^2/NDF: 357240.0/23

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.196+/-0.000 χ^2/NDF:1263955138.1/6

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

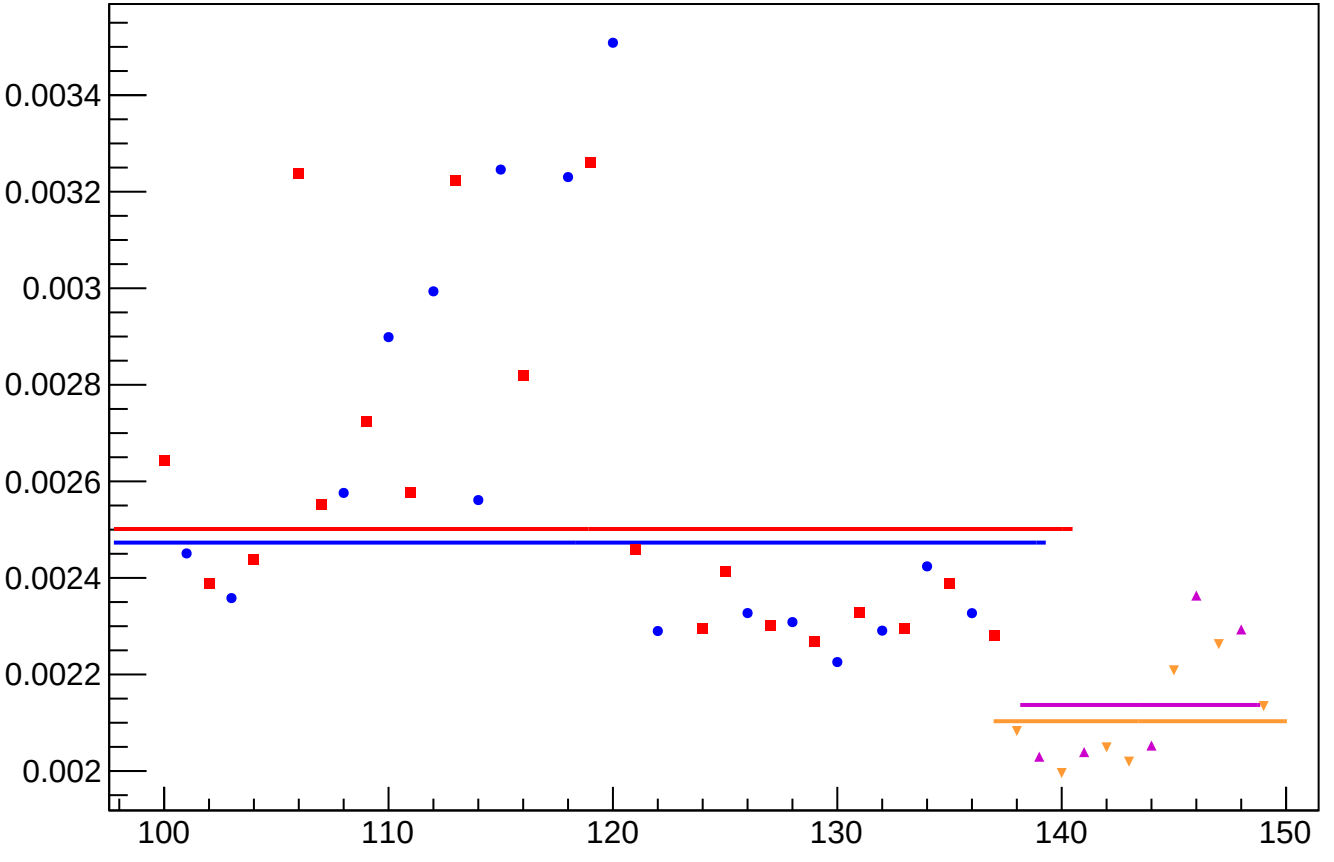
Left In: 0.208+/-0.000 χ^2/NDF:681606259.0/4

+ sign 0.444+/-0.000 χ^2/NDF: 202725322568.3/22

All: 0.462+/-0.000 χ^2/NDF: 378965811951.4

- 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:20527.8/6

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

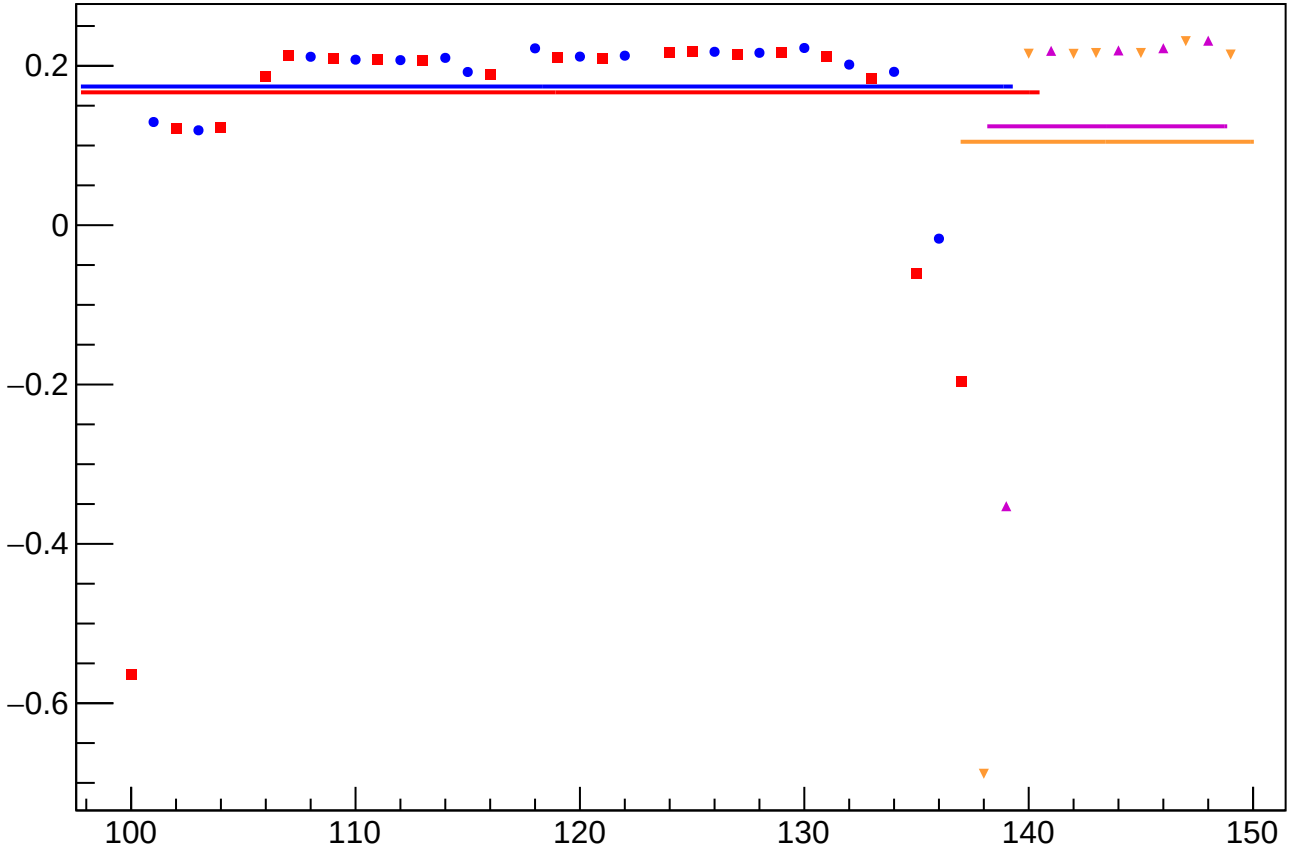
Left In: 0.002+/-0.000 χ^2/NDF:35584.2/4

+ sign 0.002+/-0.000 χ^2/NDF: 386498.3/22

All: 0.002+/-0.000 χ^2/NDF: 741895.7/46

- 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: 0.105+/-0.000 χ^2/NDF:2802675194.6/6

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

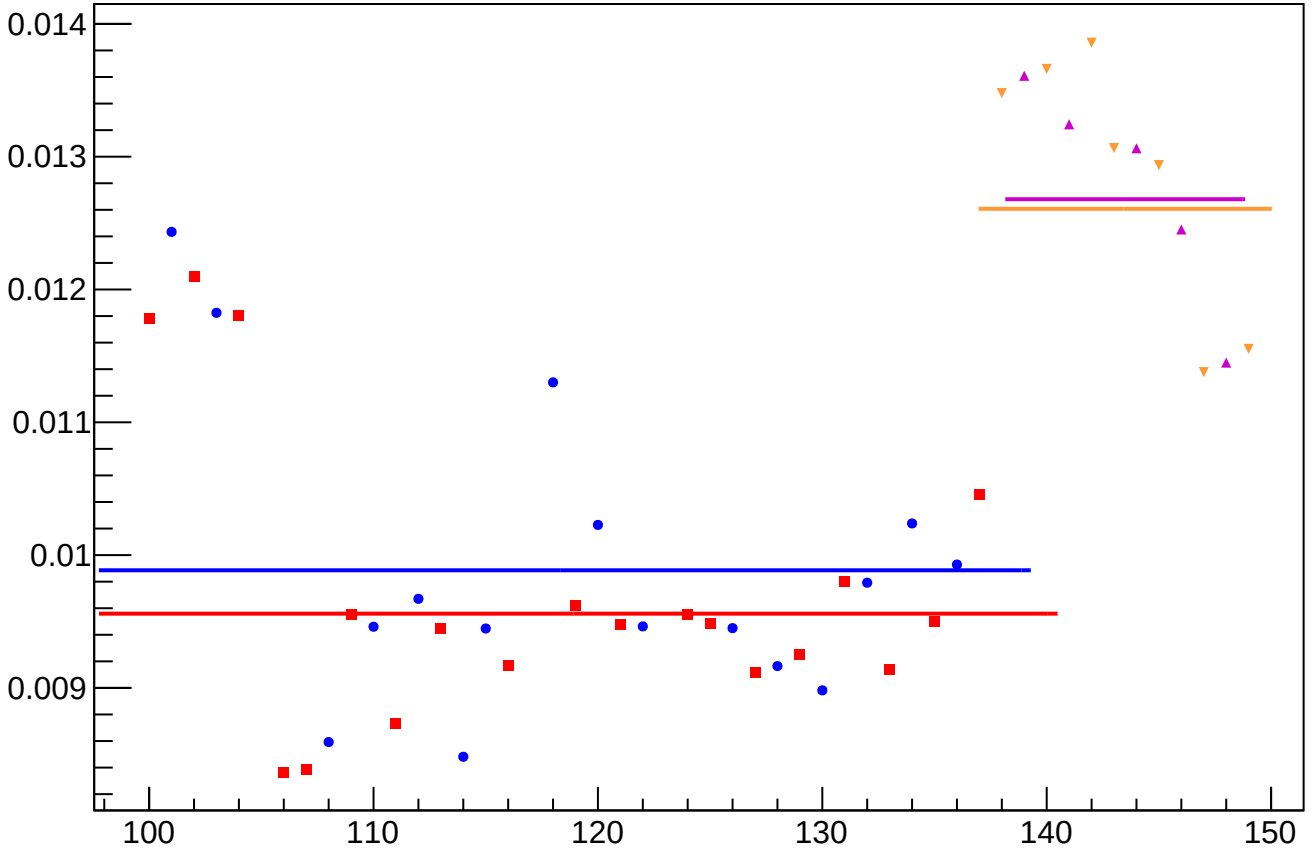
Left In: 0.124+/-0.000 χ^2/NDF:1191501842.4/4

+ sign 0.153+/-0.000 χ^2/NDF: 3307893414.6/22

All: 0.155+/-0.000 χ^2/NDF: 5428851598.1/46

- 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:55987.7/6

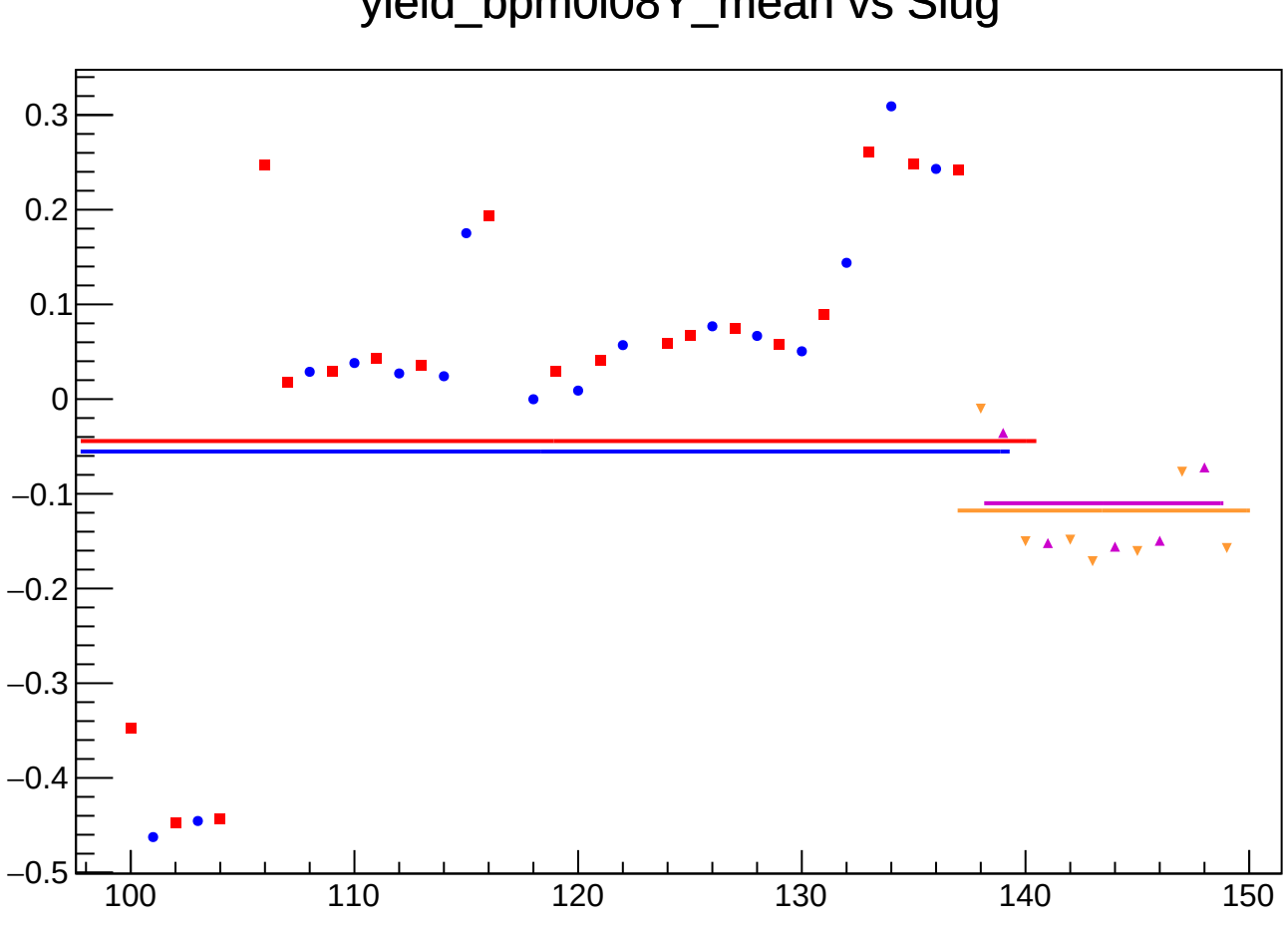
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.013+/-0.000 χ^2/NDF:30568.1/4

+ sign 0.011+/-0.000 χ^2/NDF: 522898.3/22

All: 0.011+/-0.000 χ^2/NDF: 1077697.9/46

- 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: -0.118+/-0.000 χ^2/NDF:1801183823.9/6

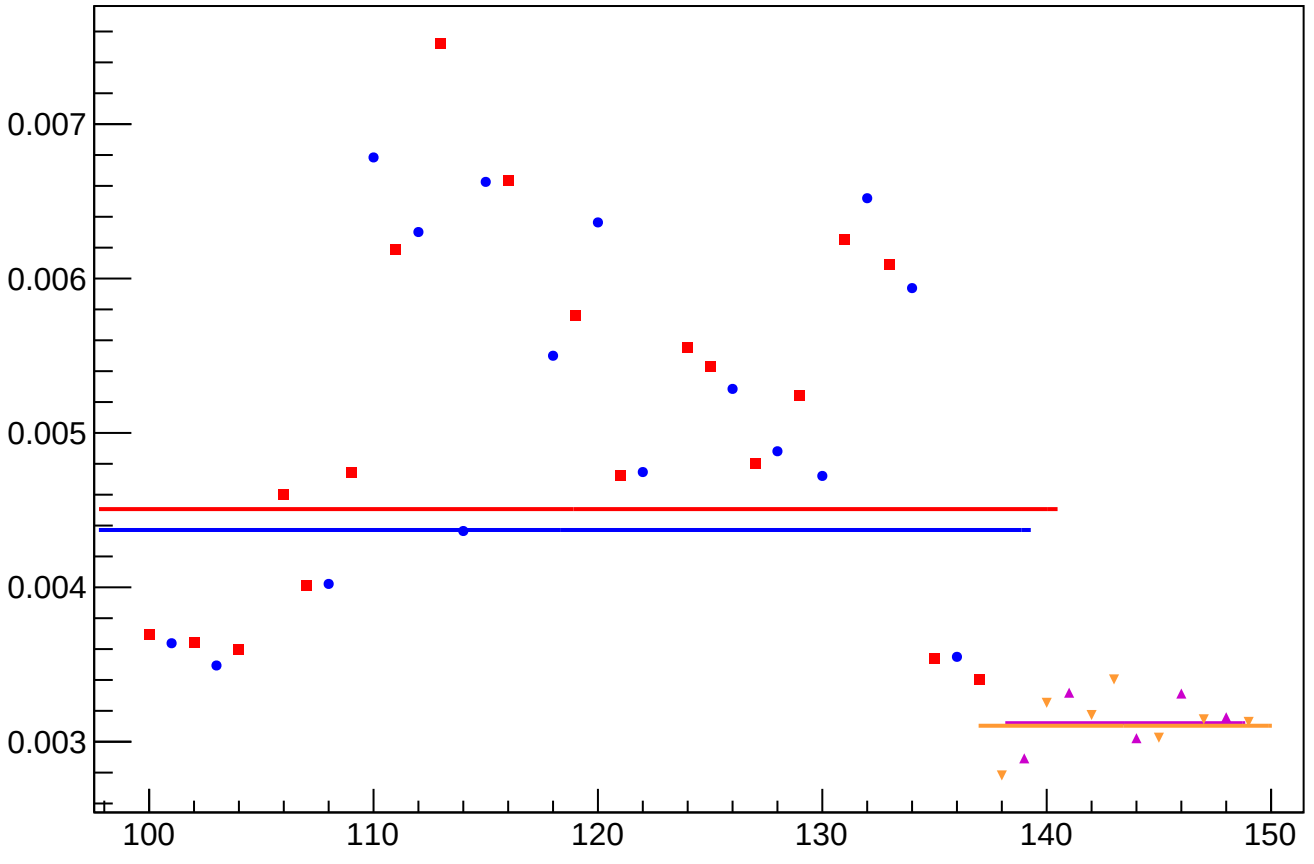
Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.110+/-0.000 χ^2/NDF:1082547887.4/4

+ sign -0.094+/-0.000 χ^2/NDF: 26646798304.7/22

All: -0.088+/-0.000 χ^2/NDF: 50691936722.5/

- 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:35665.7/6

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

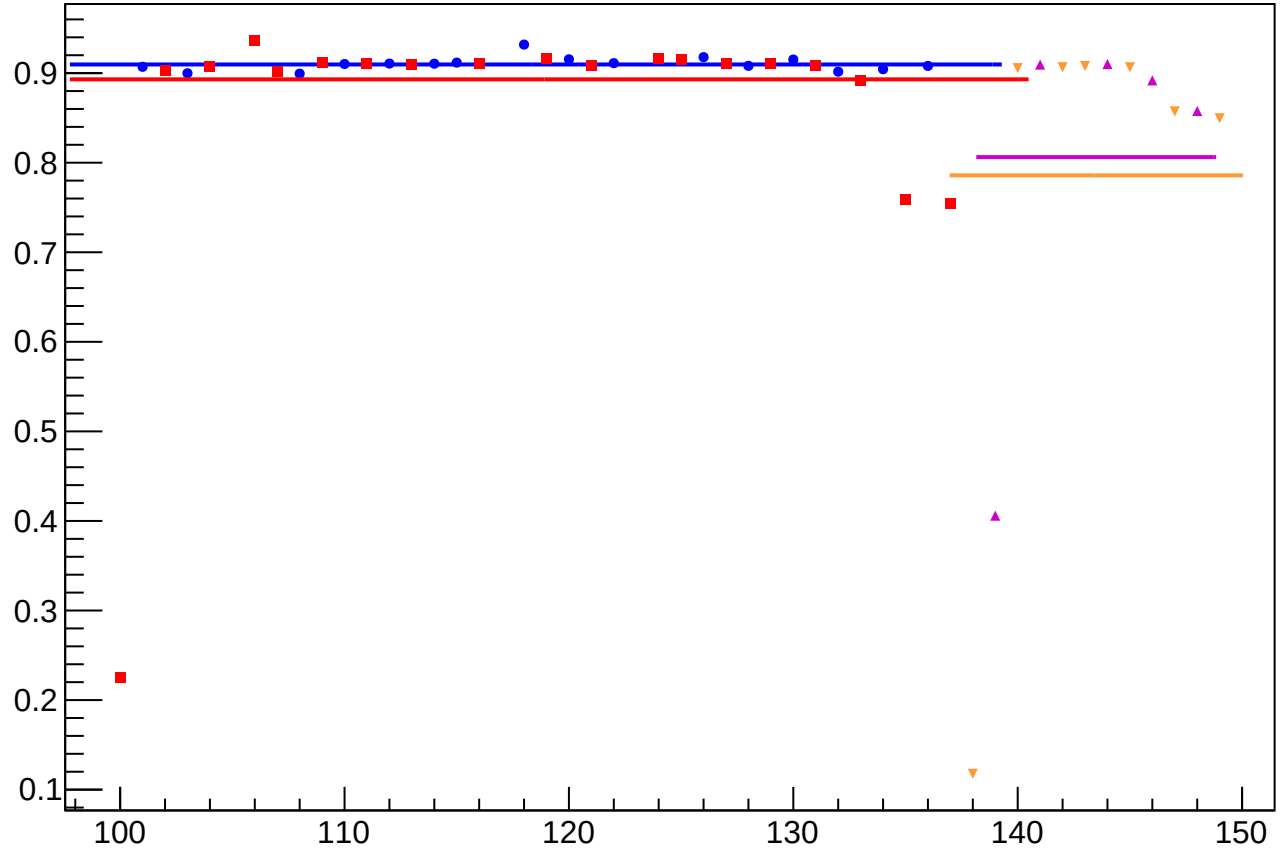
Left In: 0.003+/-0.000 χ^2/NDF:23001.8/4

+ sign 0.004+/-0.000 χ^2/NDF: 1327381.3/22

All: 0.004+/-0.000 χ^2/NDF: 2753845.8/46

- 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: 0.786+/-0.000 χ^2/NDF:2185486762.6/6

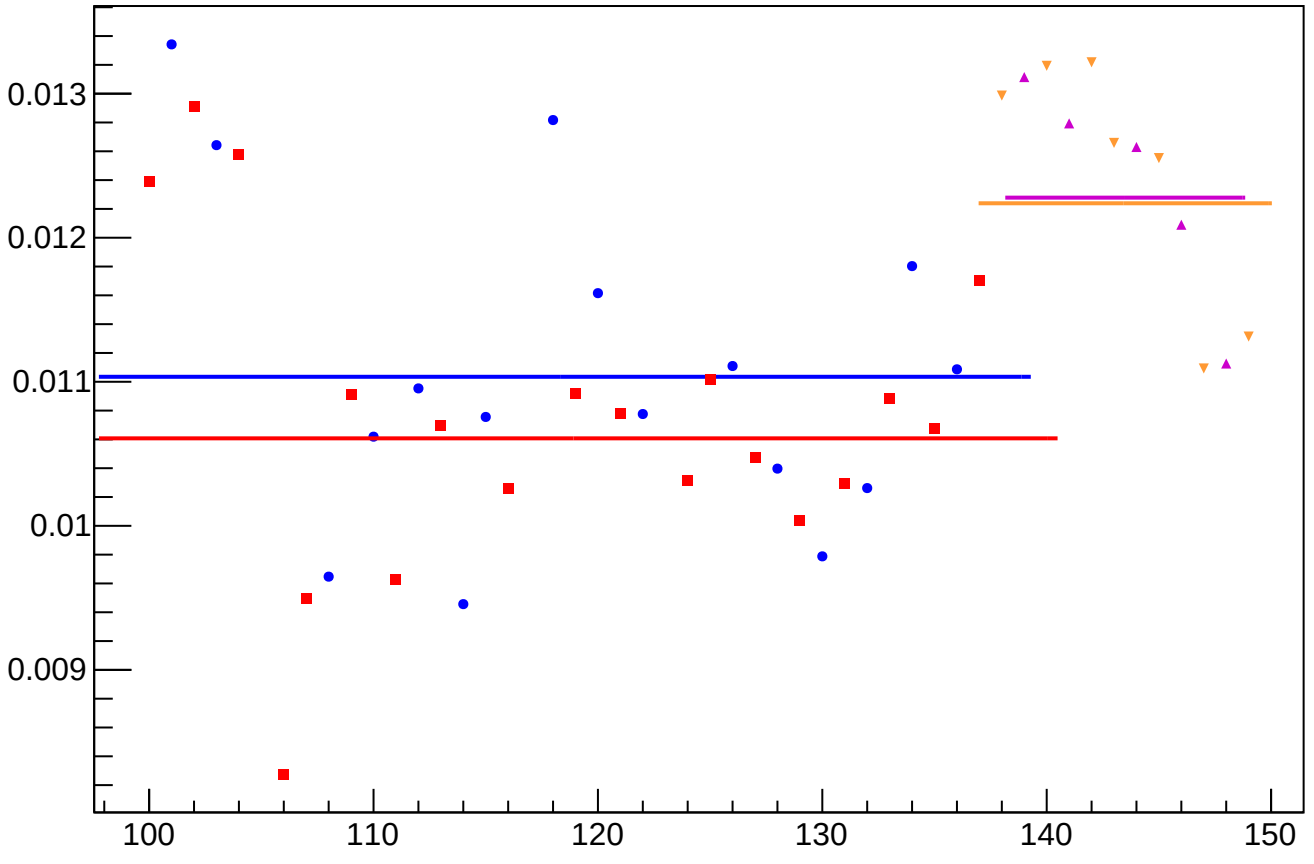
Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.806+/-0.000 χ^2/NDF:924194293.9/4

+ sign 0.864+/-0.000 χ^2/NDF: 2508915543.2/22

All: 0.866+/-0.000 χ^2/NDF: 3905095446.2/46

- sign 0.867+/-0.000 χ^2/NDF: 1395634770.7/23



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:47476.6/6

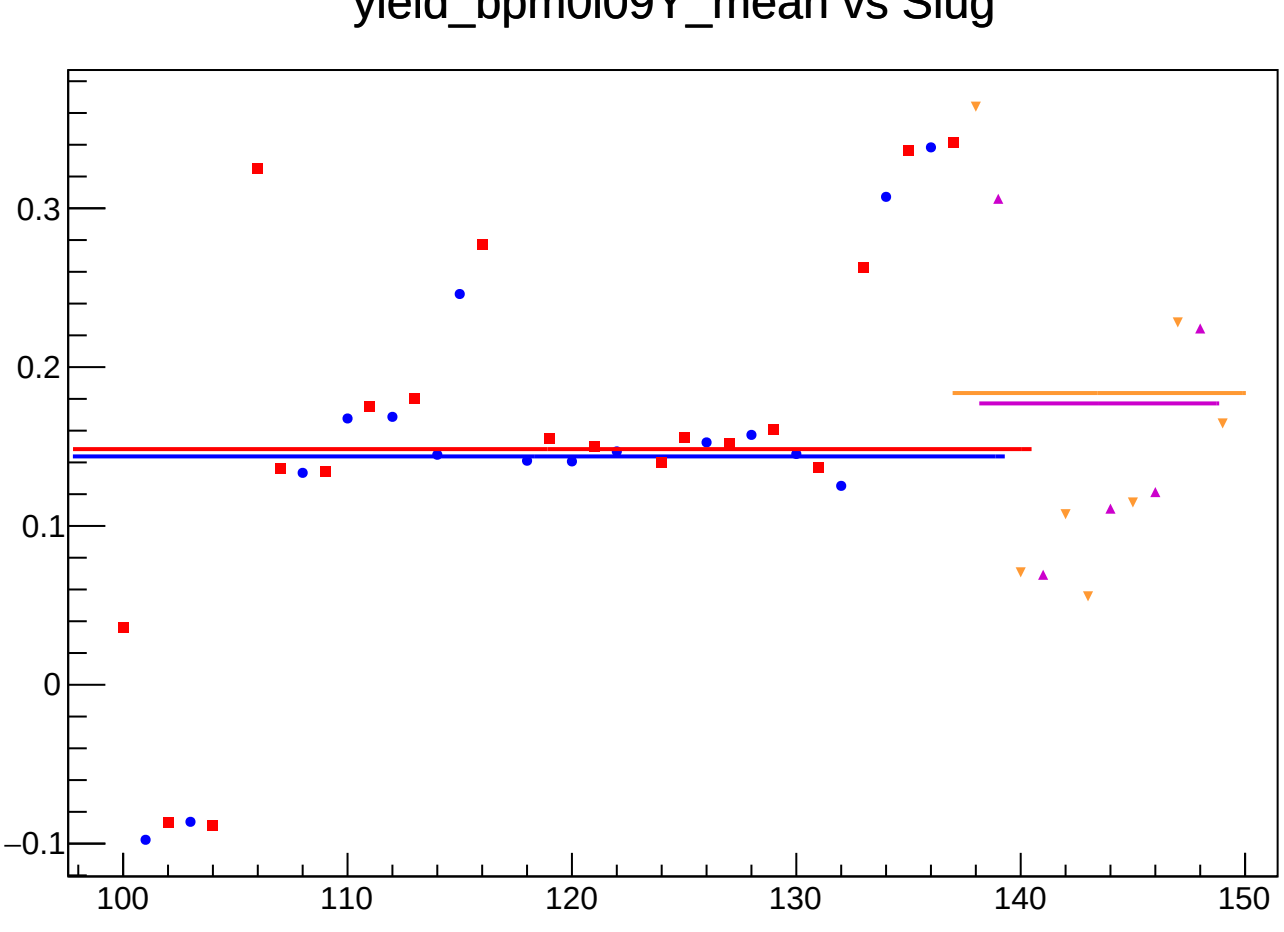
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:27964.7/4

+ sign 0.011+/-0.000 χ^2/NDF: 238474.2/22

All: 0.011+/-0.000 χ^2/NDF: 529530.9/46

- sign 0.011+/-0.000 χ^2/NDF: 278213.0/23



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.184+/-0.000 χ^2/NDF:4092339162.6/6

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

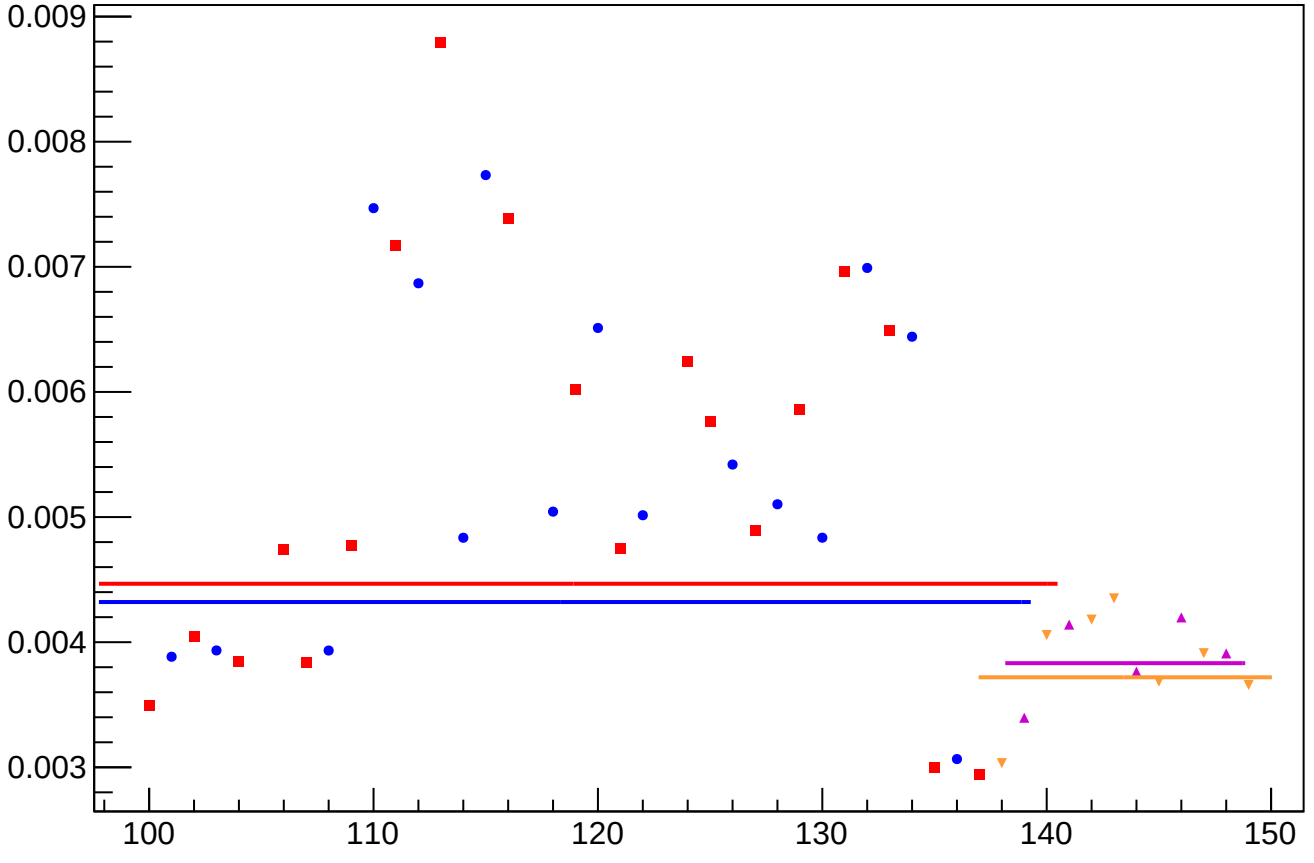
Left In: 0.177+/-0.000 χ^2/NDF:2116113442.1/4

+ sign 0.165+/-0.000 χ^2/NDF: 12215330737.1/22

All: 0.163+/-0.000 χ^2/NDF: 21577425191.0/4

- 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:123673.1/6

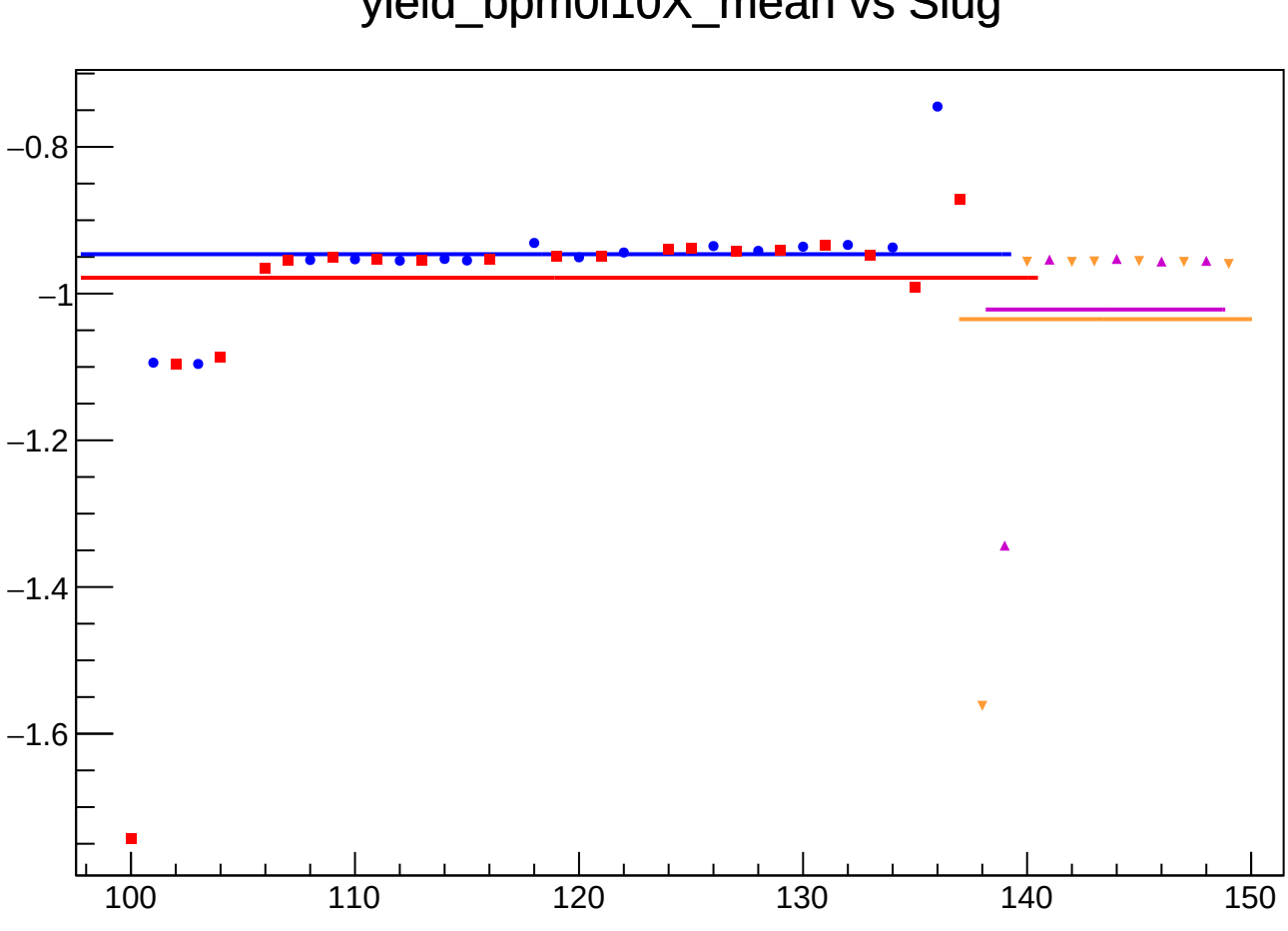
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:46283.7/4

+ sign 0.004+/-0.000 χ^2/NDF: 1118245.2/22

All: 0.004+/-0.000 χ^2/NDF: 2378446.6/46

- 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: -1.035+/-0.000 χ^2/NDF:1740039096.8/6

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

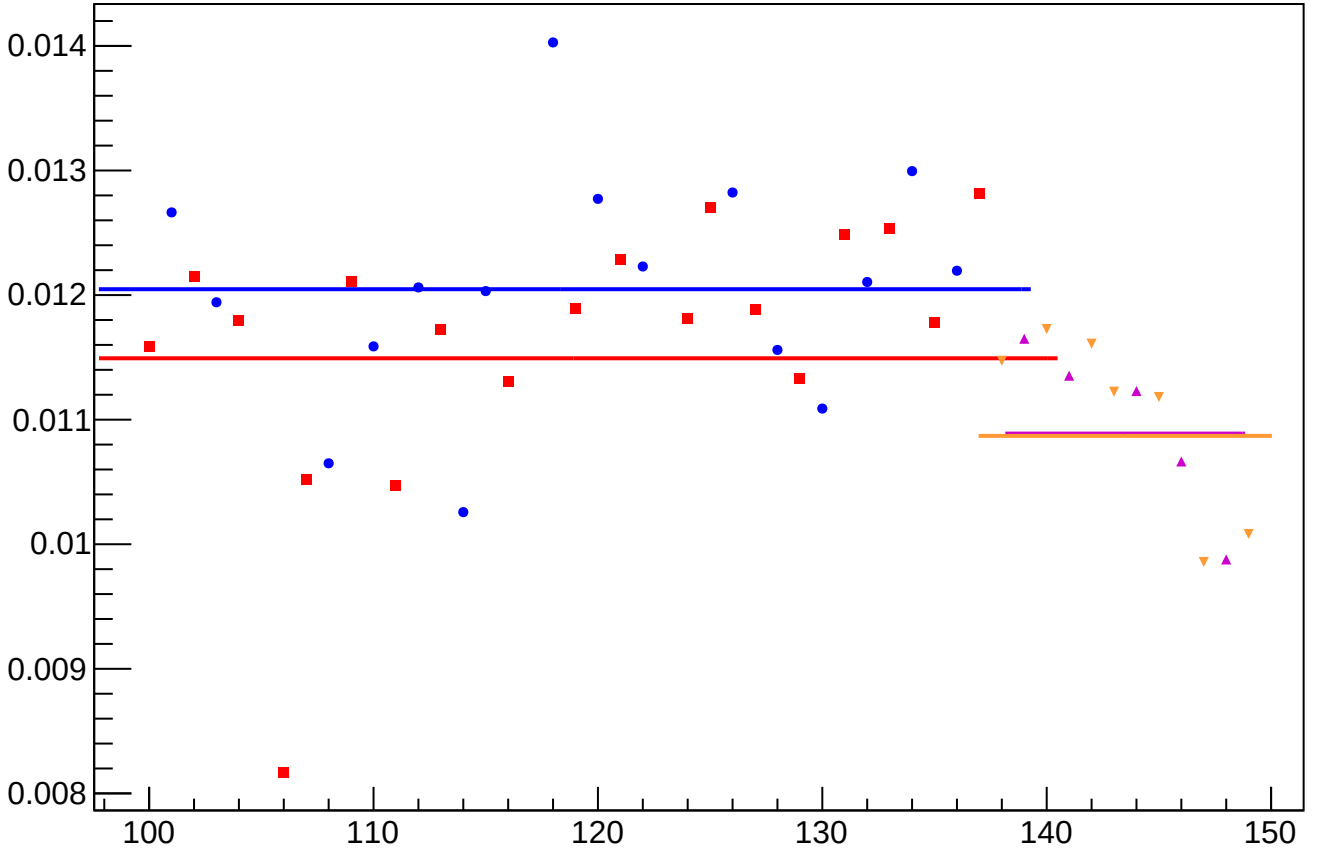
Left In: -1.022+/-0.000 χ^2/NDF:751326648.6/4

+ sign -0.988+/-0.000 χ^2/NDF: 2319998839.4/22

All: -0.992+/-0.000 χ^2/NDF: 3574325930.3/4

- 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:44882.2/6

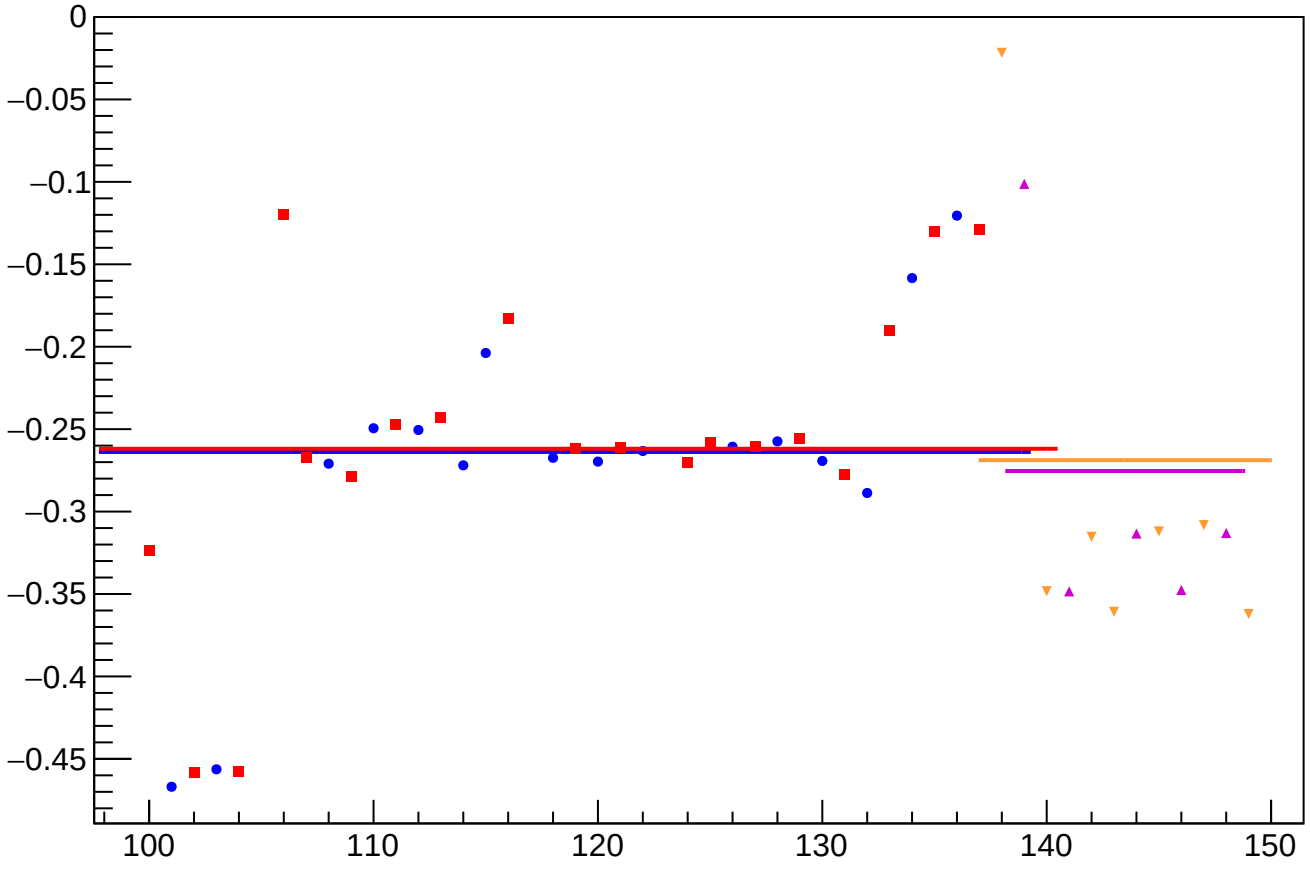
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:28830.4/4

+ sign 0.011+/-0.000 χ^2/NDF: 169387.4/22

All: 0.011+/-0.000 χ^2/NDF: 369915.6/46

- 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: -0.269+/-0.000 χ^2/NDF:4333525332.6/6

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

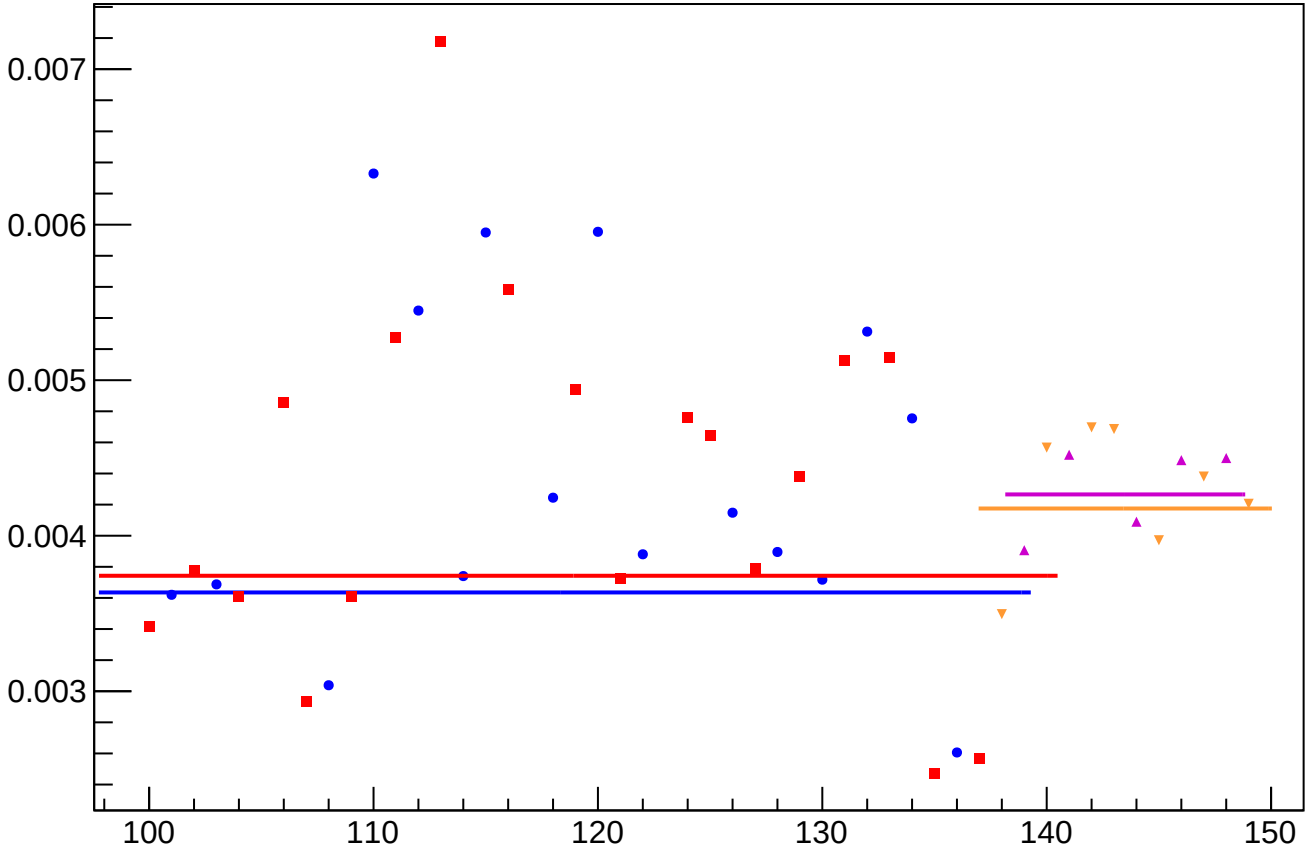
Left In: -0.275+/-0.000 χ^2/NDF:1973134422.0/4

+ sign -0.266+/-0.000 χ^2/NDF: 10443842733.4/22

All: -0.266+/-0.000 χ^2/NDF: 17692489351.1/

- 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:93069.5/6

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

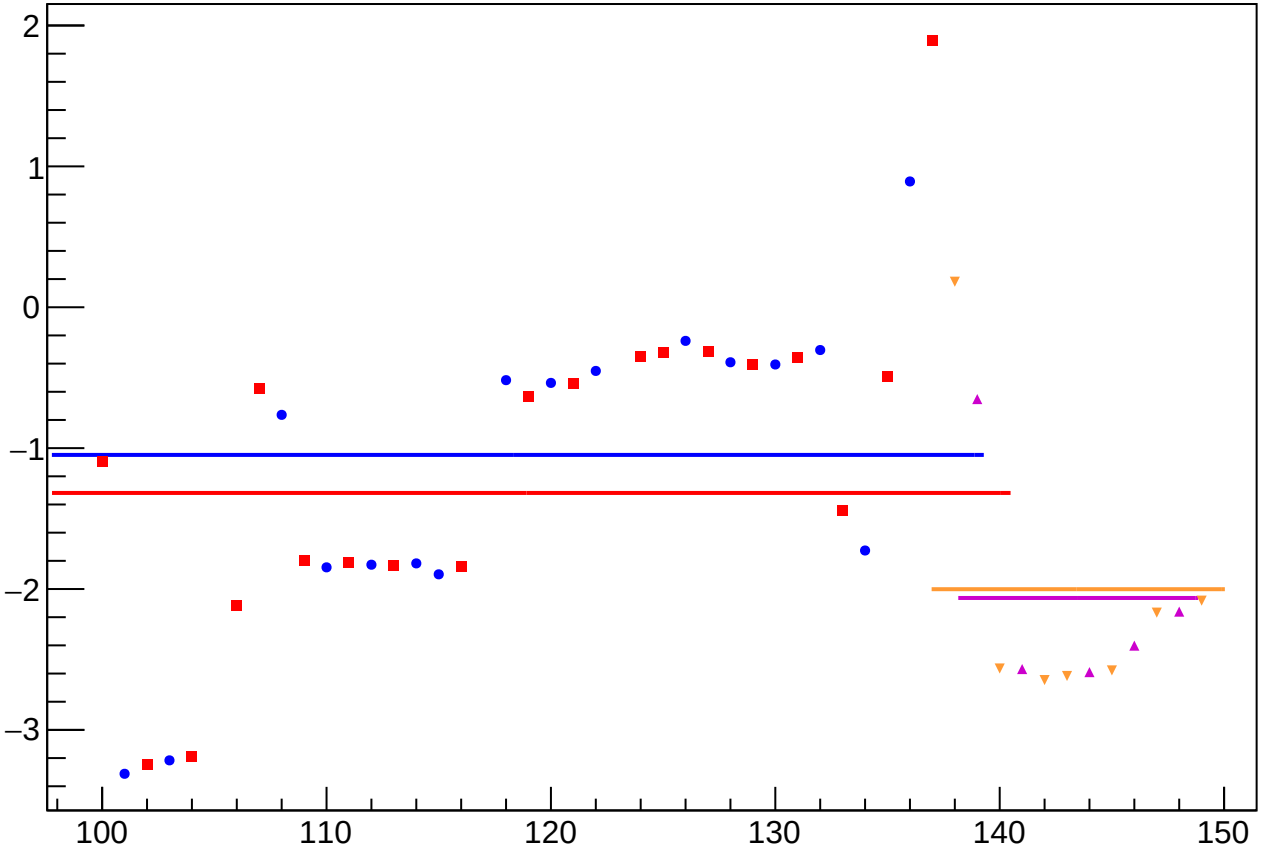
Left In: 0.004+/-0.000 χ^2/NDF:27625.9/4

+ sign 0.004+/-0.000 χ^2/NDF: 916836.3/22

All: 0.004+/-0.000 χ^2/NDF: 1918340.9/46

- 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: -2.001+/-0.000 χ^2/NDF:895294197.7/6

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

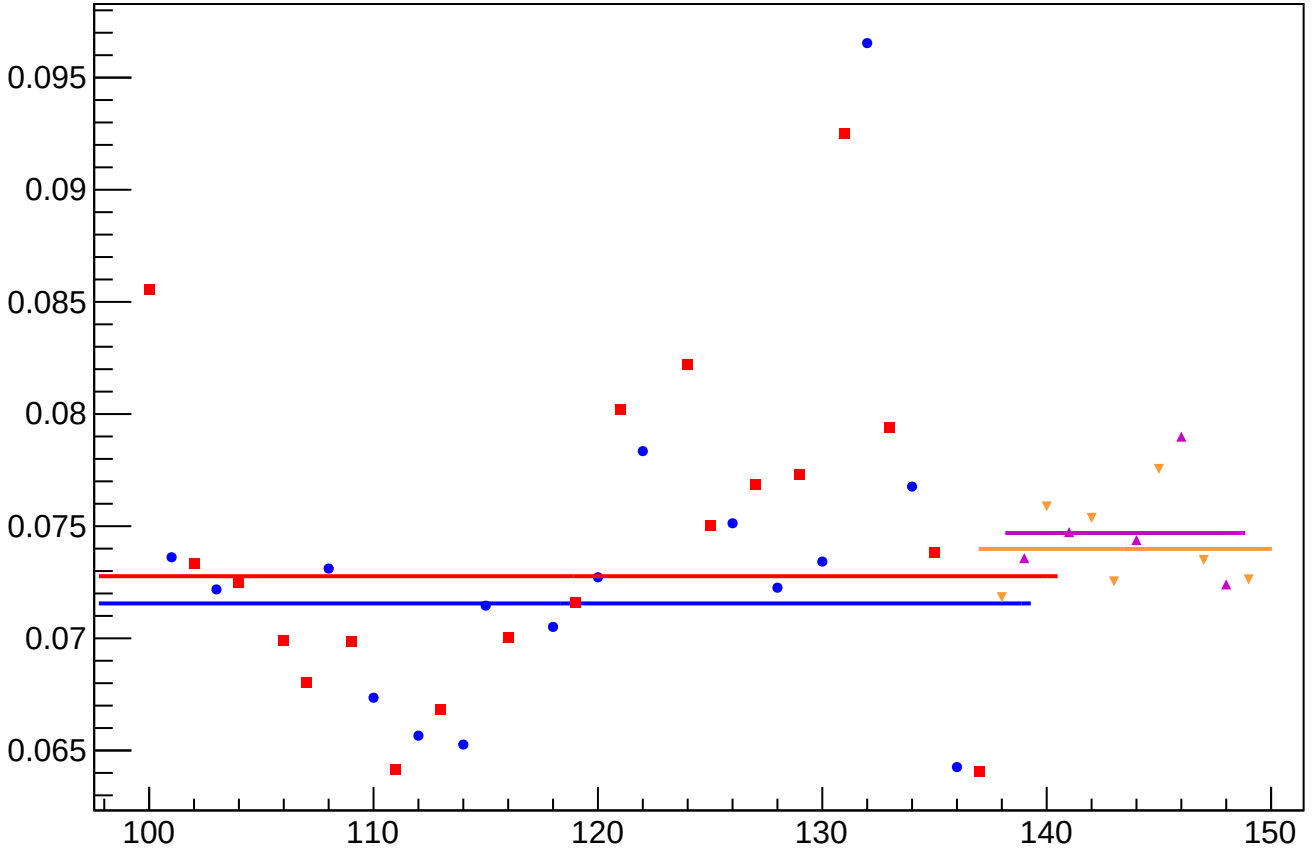
Left In: -2.064+/-0.000 χ^2/NDF:409371932.7/4

+ sign -1.438+/-0.000 χ^2/NDF: 3750760538.5/22

All: -1.507+/-0.000 χ^2/NDF: 6301597720.0/4

- 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:7234.3/6

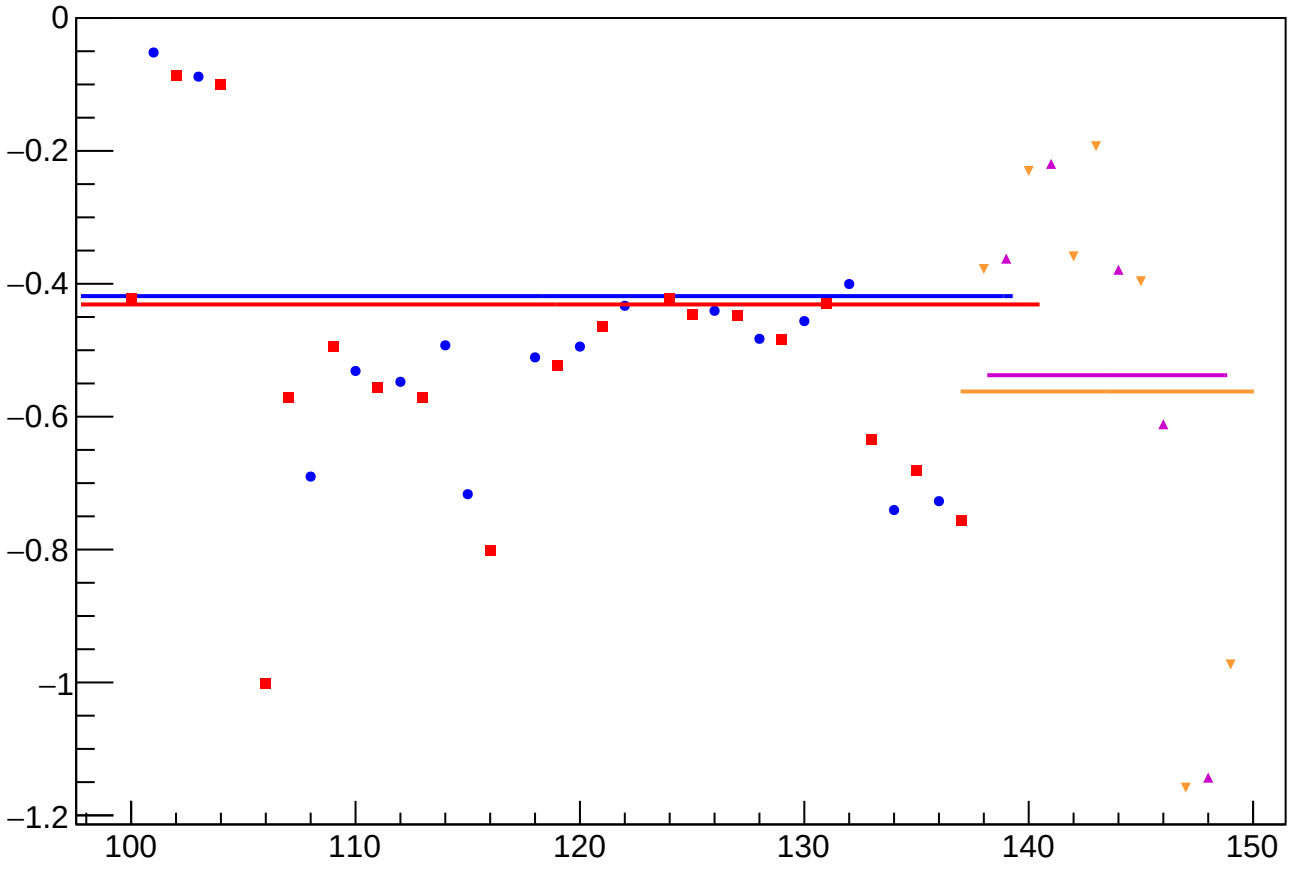
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:6961.0/4

+ sign 0.073+/-0.000 χ^2/NDF: 115087.0/22

All: 0.073+/-0.000 χ^2/NDF: 224340.0/46

- 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: -0.562+/-0.000 χ^2/NDF:8116068829.0/6

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

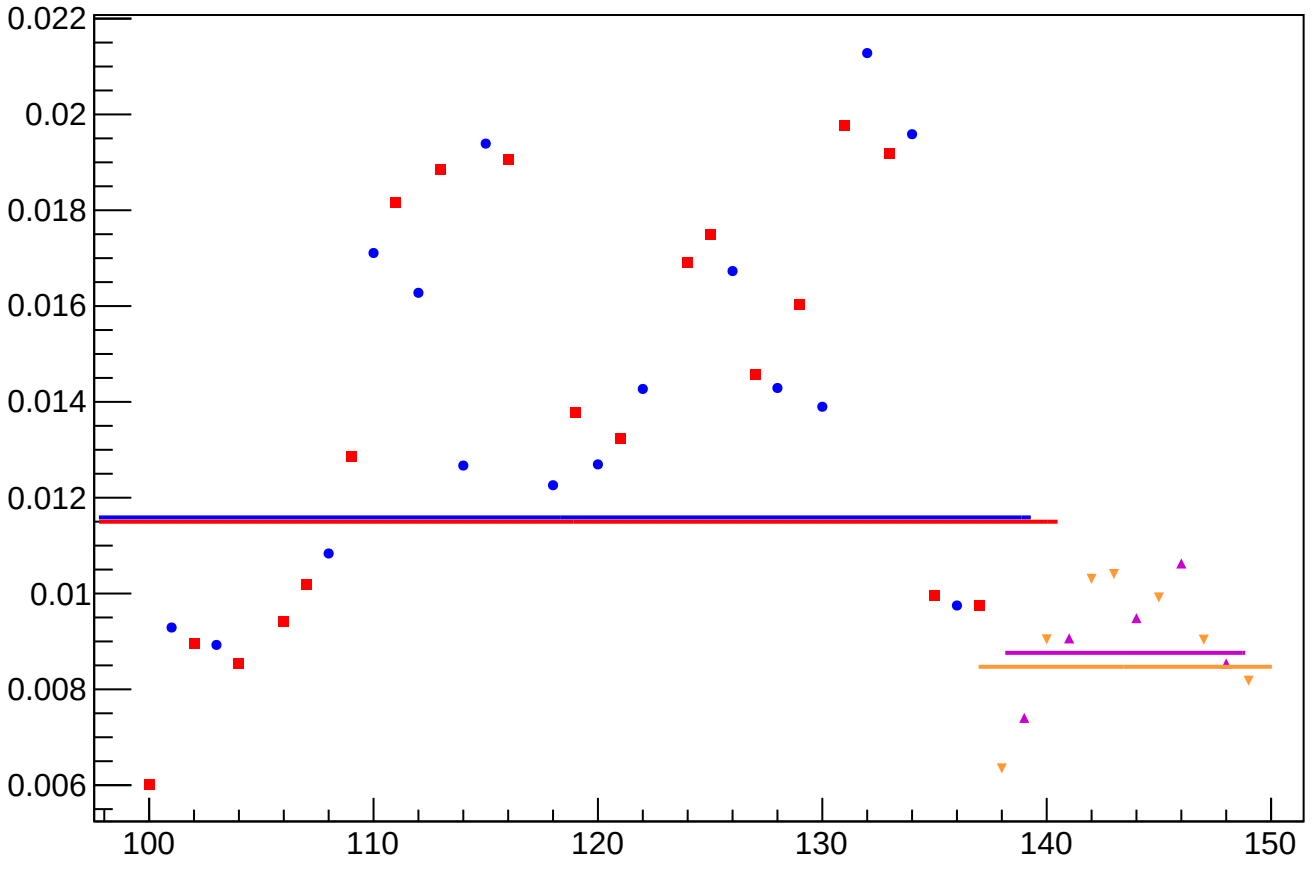
Left In: -0.538+/-0.000 χ^2/NDF:5547886303.5/4

+ sign -0.504+/-0.000 χ^2/NDF: 11731223996.0/22

All: -0.496+/-0.000 χ^2/NDF: 20759813921.0/

- 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: 0.008+/-0.000 χ^2/NDF:275319.2/6

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

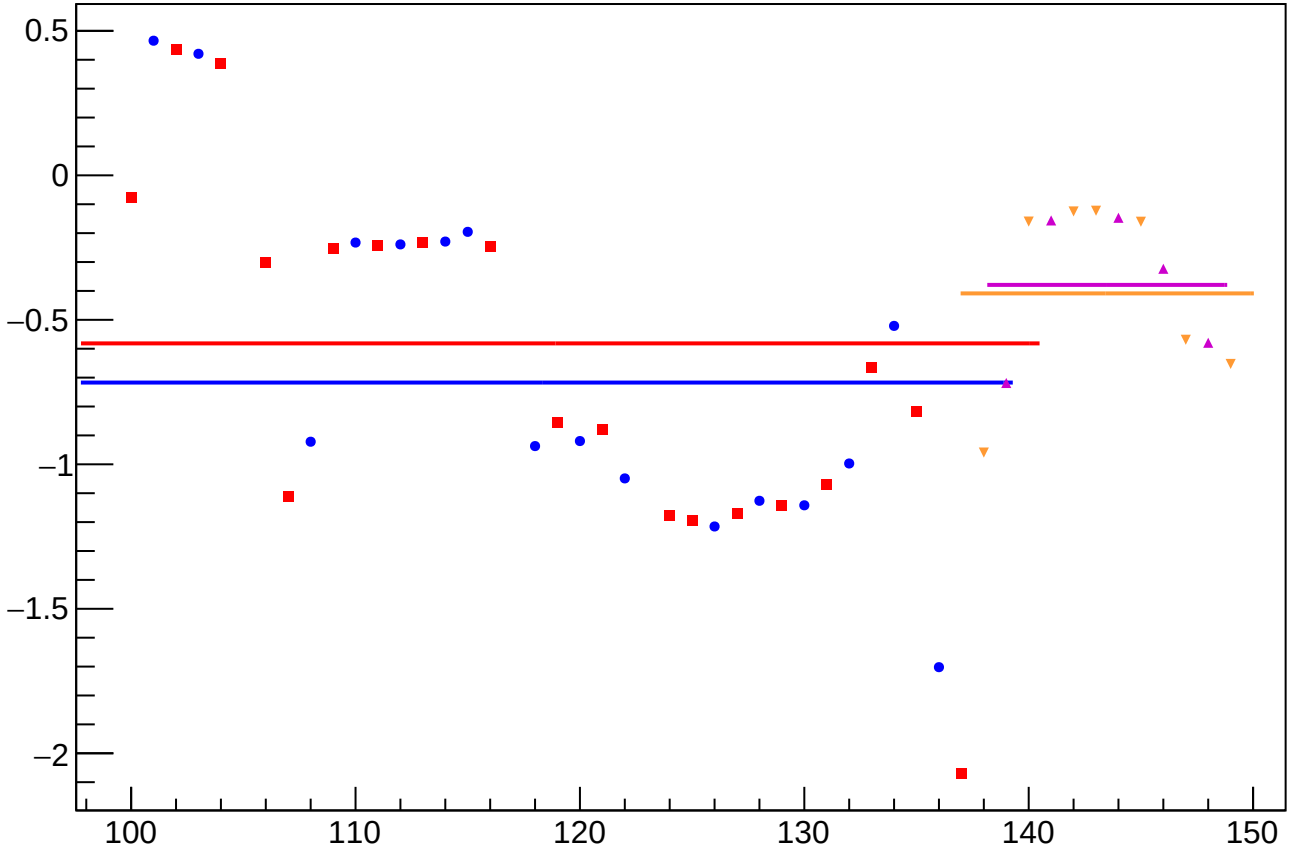
Left In: 0.009+/-0.000 χ^2/NDF:110000.9/4

+ sign 0.010+/-0.000 χ^2/NDF: 1573820.3/22

All: 0.010+/-0.000 χ^2/NDF: 3215445.0/46

- 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: -0.409+/-0.000 χ^2/NDF:73711520.0/6

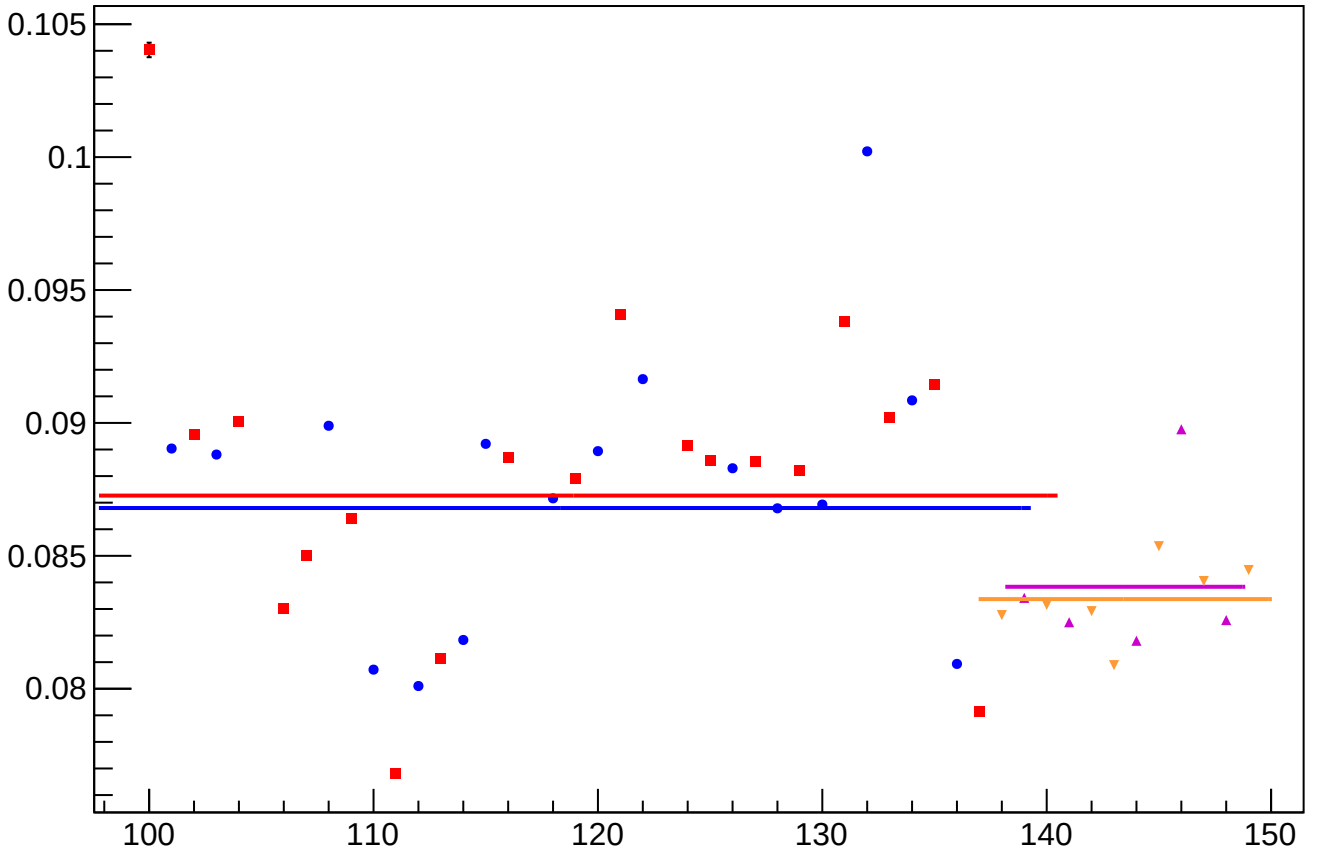
Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -0.379+/-0.000 χ^2/NDF:32778263.9/4

+ sign -0.580+/-0.000 χ^2/NDF: 551432761.9/22

All: -0.543+/-0.000 χ^2/NDF: 946528986.9/46

- sign -0.503+/-0.000 χ^2/NDF: 390280679.9/23



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.083+/-0.000 χ^2/NDF:2891.2/6

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

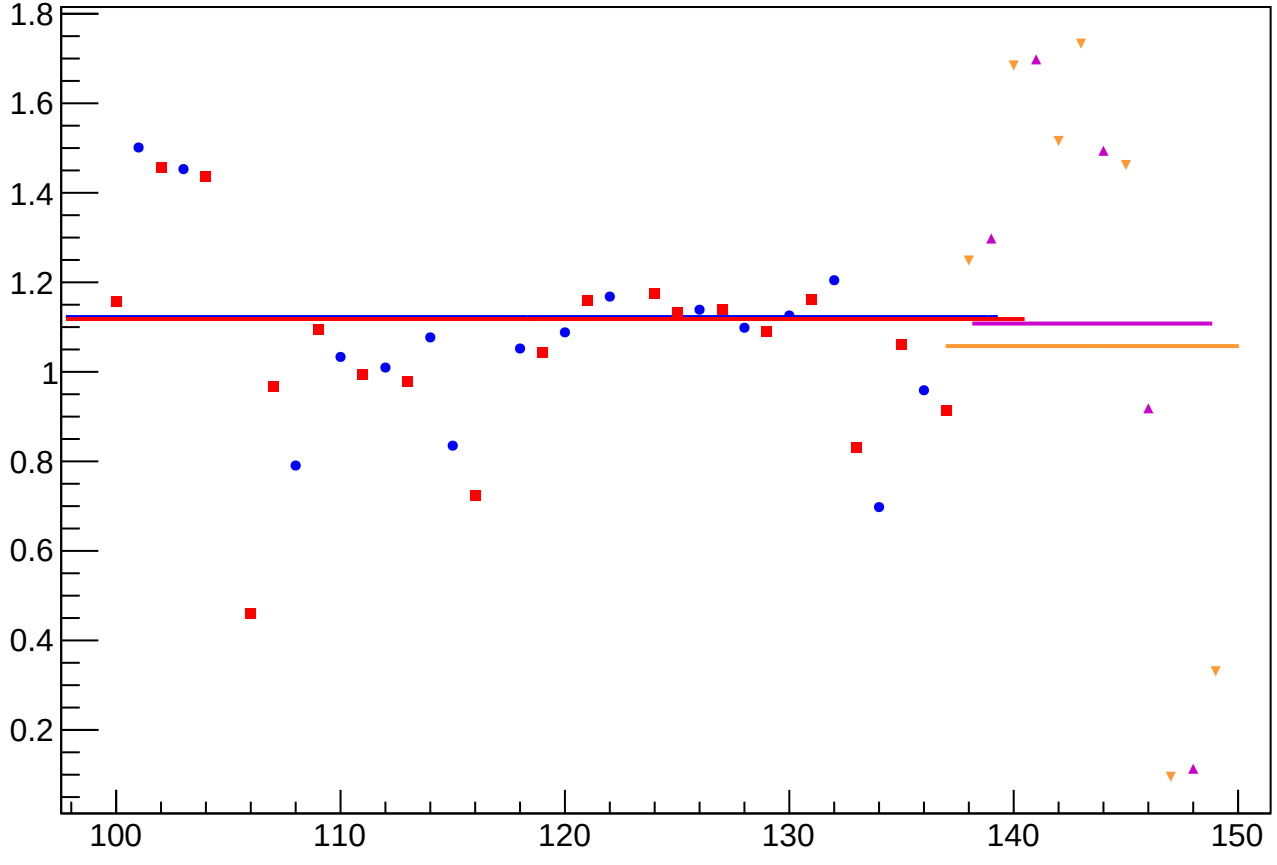
Left In: 0.084+/-0.000 χ^2/NDF:9626.1/4

+ sign 0.085+/-0.000 χ^2/NDF: 56410.6/22

All: 0.086+/-0.000 χ^2/NDF: 121809.4/46

- 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: 1.058+/-0.000 χ^2/NDF:17035800579.0/6

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

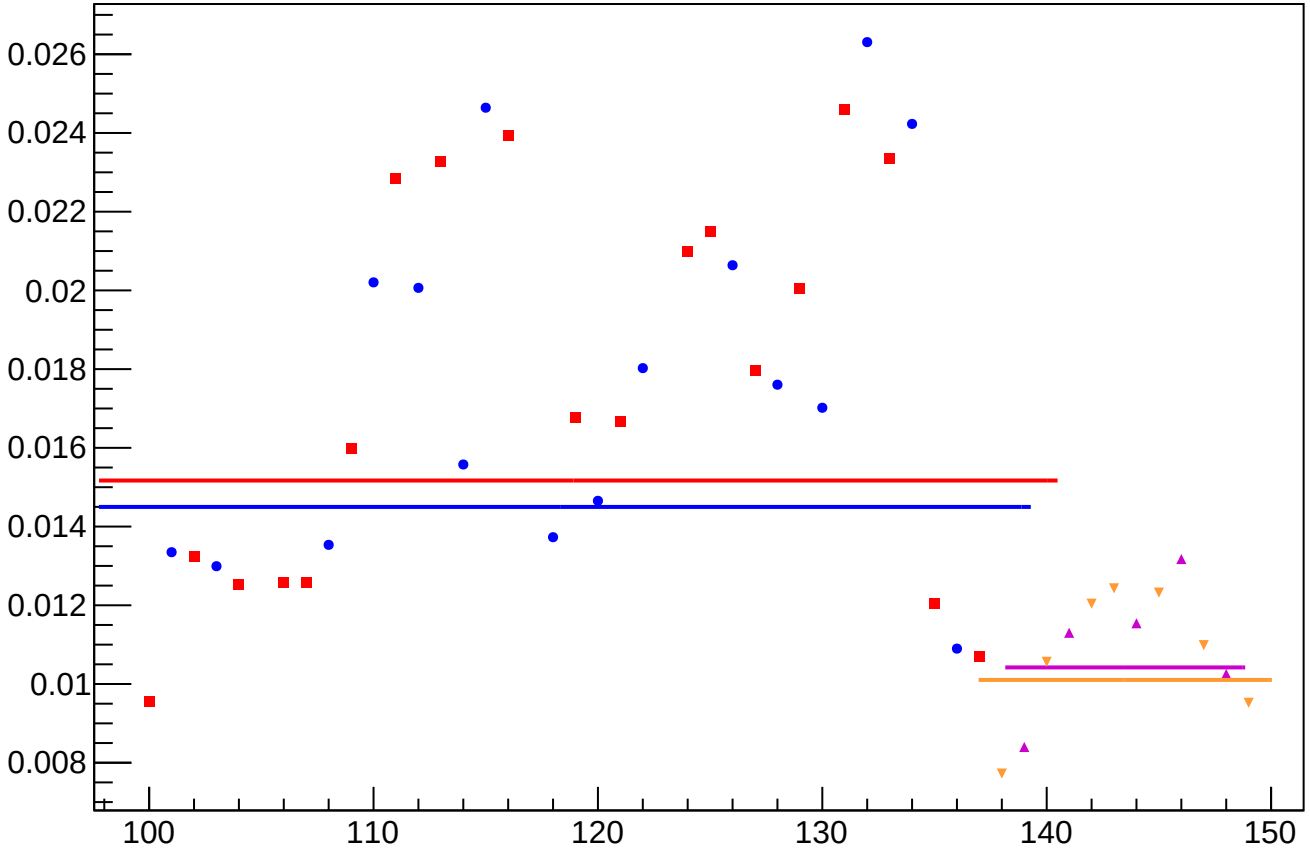
Left In: 1.108+/-0.000 χ^2/NDF:10861720690.8/4

+ sign 1.082+/-0.000 χ^2/NDF: 18564051471.0/22

All: 1.096+/-0.000 χ^2/NDF: 31028219820.5/4

- 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:278248.7/6

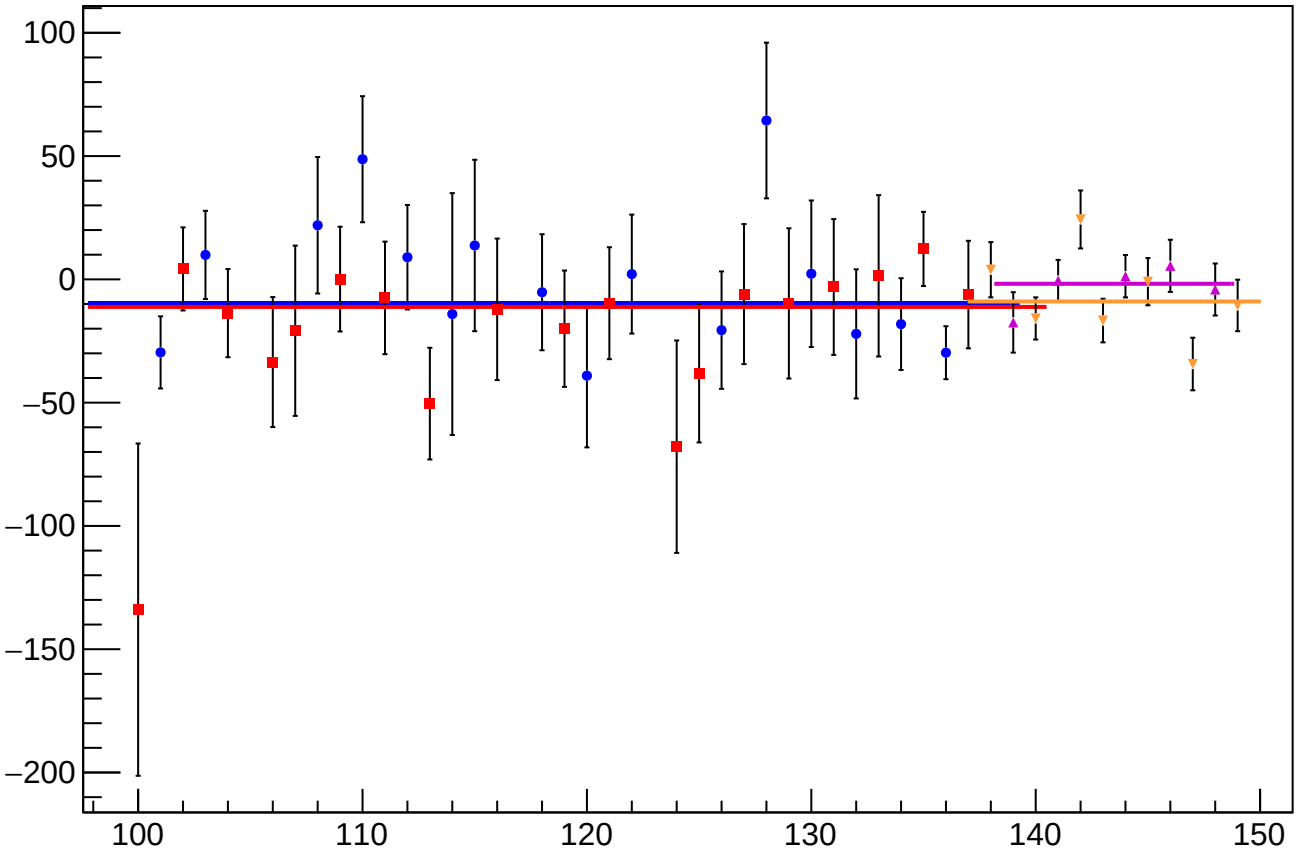
Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.010+/-0.000 χ^2/NDF:182181.4/4

+ sign 0.012+/-0.000 χ^2/NDF: 1668919.5/22

All: 0.012+/-0.000 χ^2/NDF: 3432110.7/46

- sign 0.012+/-0.000 χ^2/NDF: 1730493.4/23



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -8.969+/-3.766 χ^2/NDF:17.1/6

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

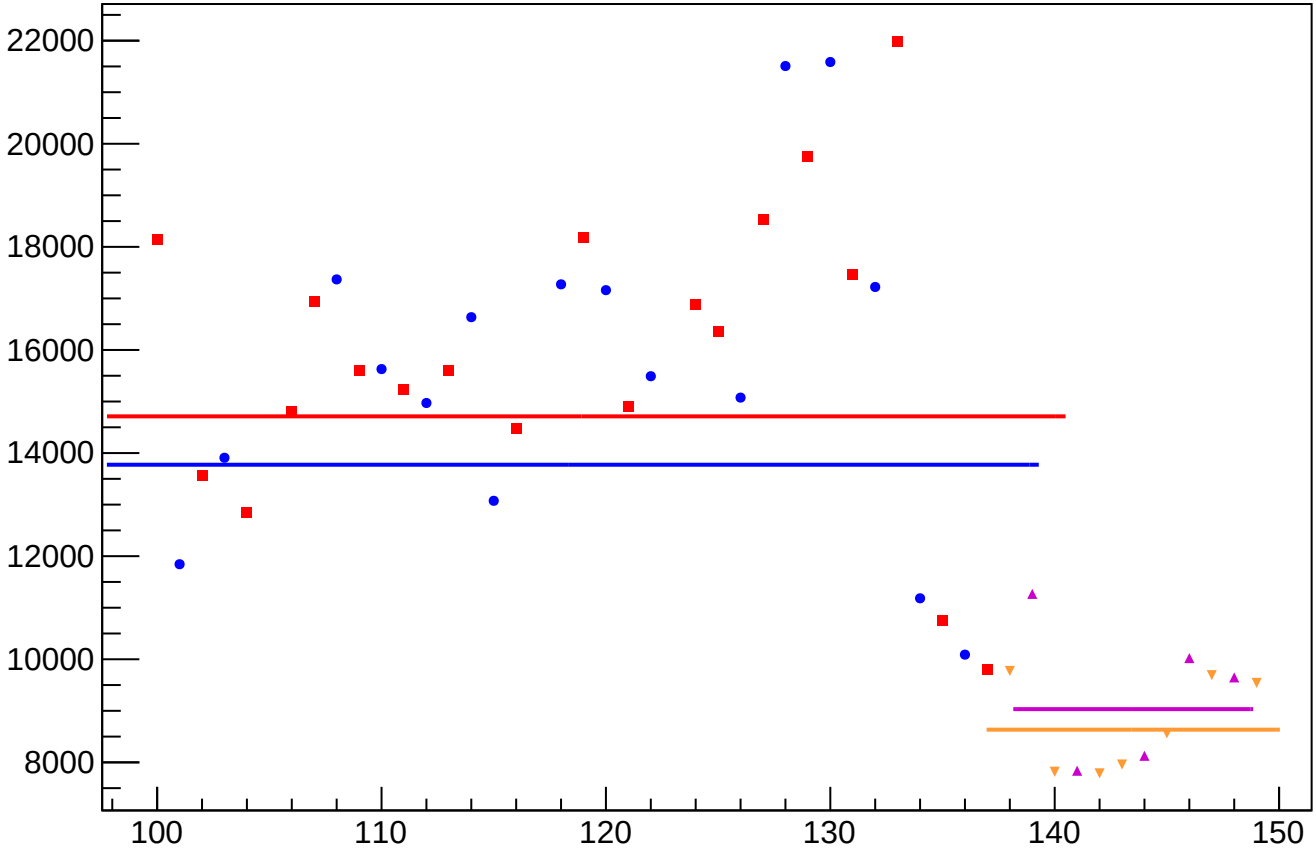
Left In: -1.786+/-4.369 χ^2/NDF:2.3/4

+ sign -9.175+/-3.068 χ^2/NDF: 39.0/22

All: -7.502+/-2.284 χ^2/NDF: 57.7/46

- 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: 8634.540+/-2.663 χ^2/NDF:95794.9/6

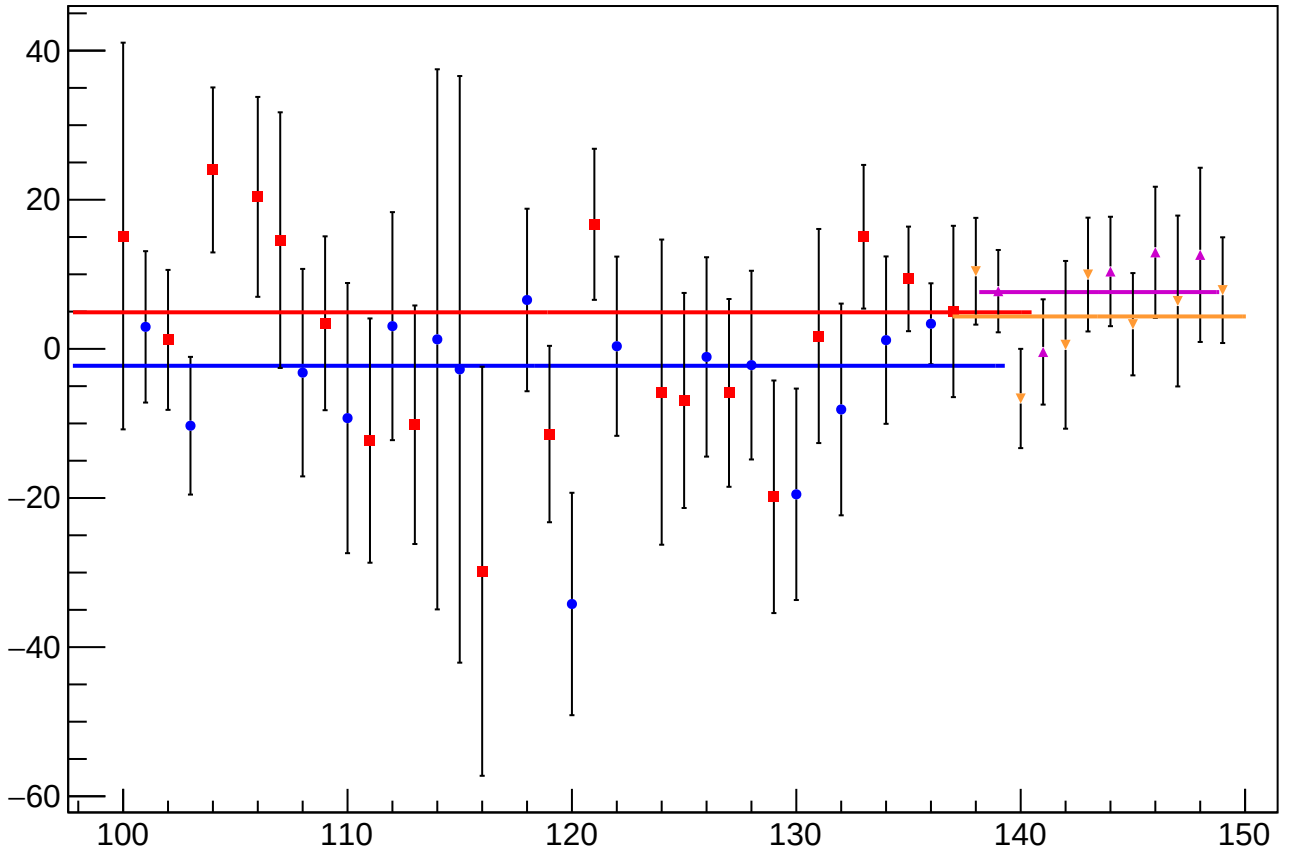
Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9032.959+/-3.090 χ^2/NDF:153817.2/4

+ sign 10363.065+/-2.170 χ^2/NDF: 2095867.2/22

All: 10750.425+/-1.615 χ^2/NDF: 4186664.0/4

- sign 11231.829+/-2.419 χ^2/NDF: 2019305.3/23



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.349+/-2.937 χ^2/NDF:4.4/6

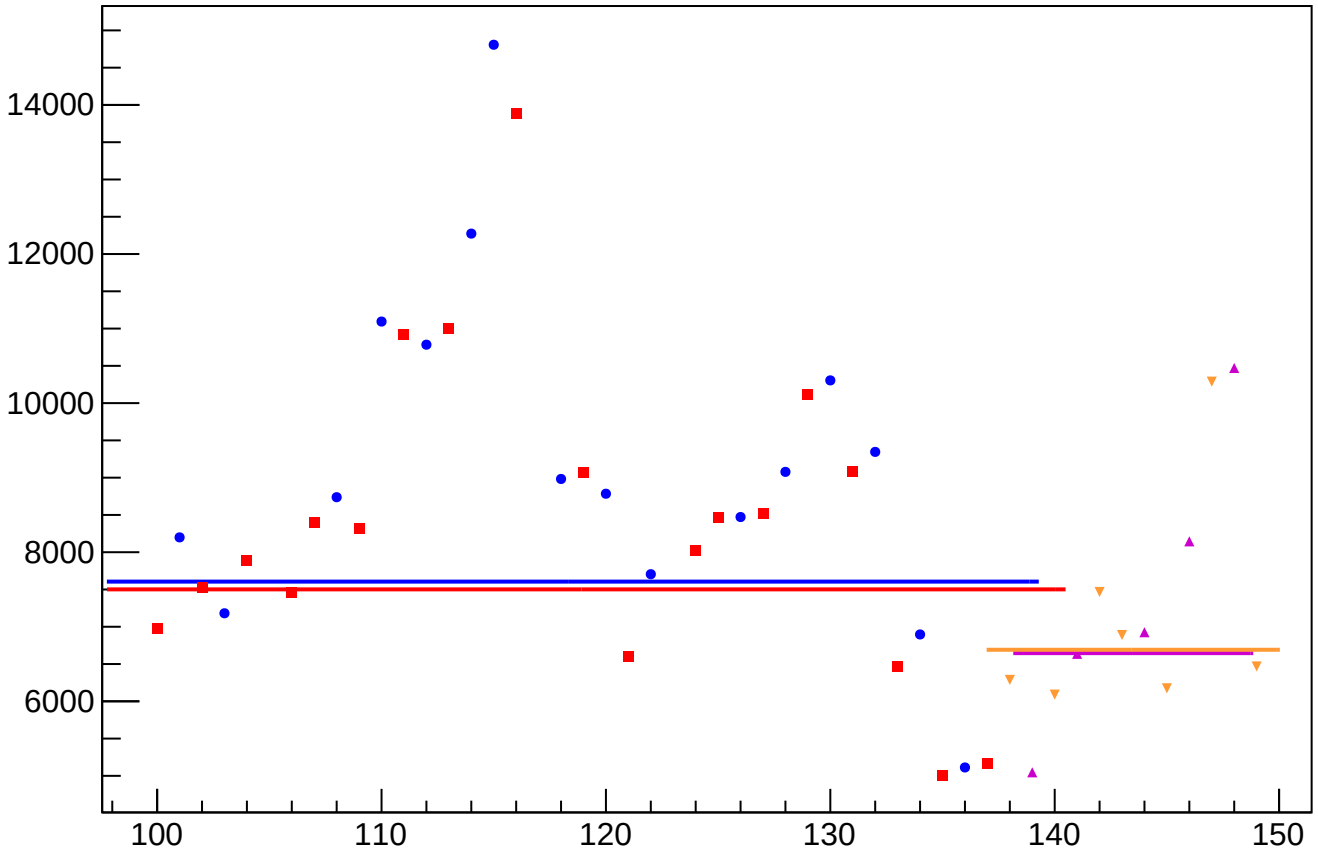
Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: 7.616+/-3.302 χ^2/NDF:2.0/4

+ sign 1.024+/-2.071 χ^2/NDF: 16.3/22

All: 3.444+/-1.492 χ^2/NDF: 39.0/46

- 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: 6691.275+/-2.077 χ^2/NDF:244026.3/6

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

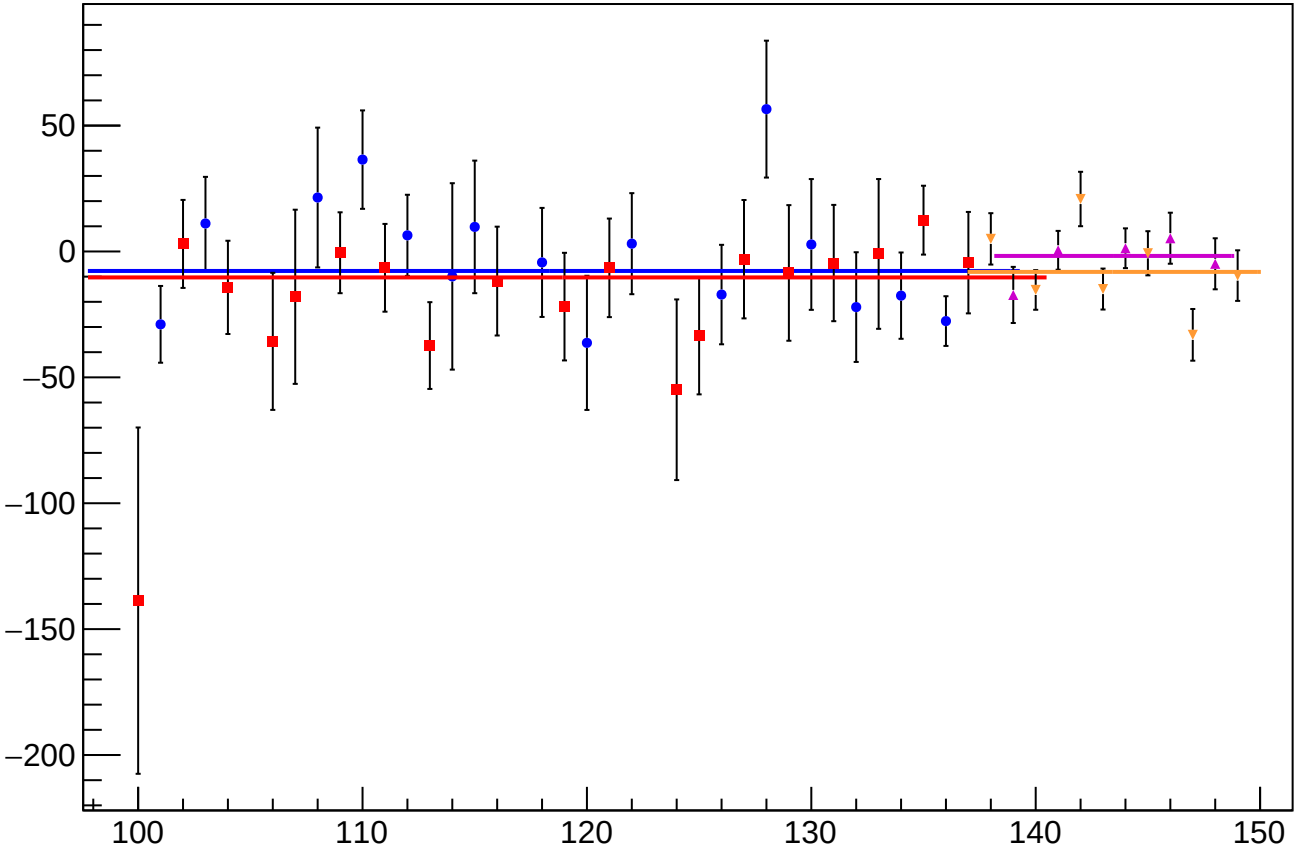
Left In: 6646.225+/-2.335 χ^2/NDF:443220.6/4

+ sign 7150.831+/-1.465 χ^2/NDF: 1232950.4/22

All: 7144.889+/-1.055 χ^2/NDF: 2576979.5/46

- sign 7138.480+/-1.521 χ^2/NDF: 1343994.8/23

diff_bpm4eX_mean vs Slug



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -8.113+/-3.497 χ^2/NDF:17.0/6

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

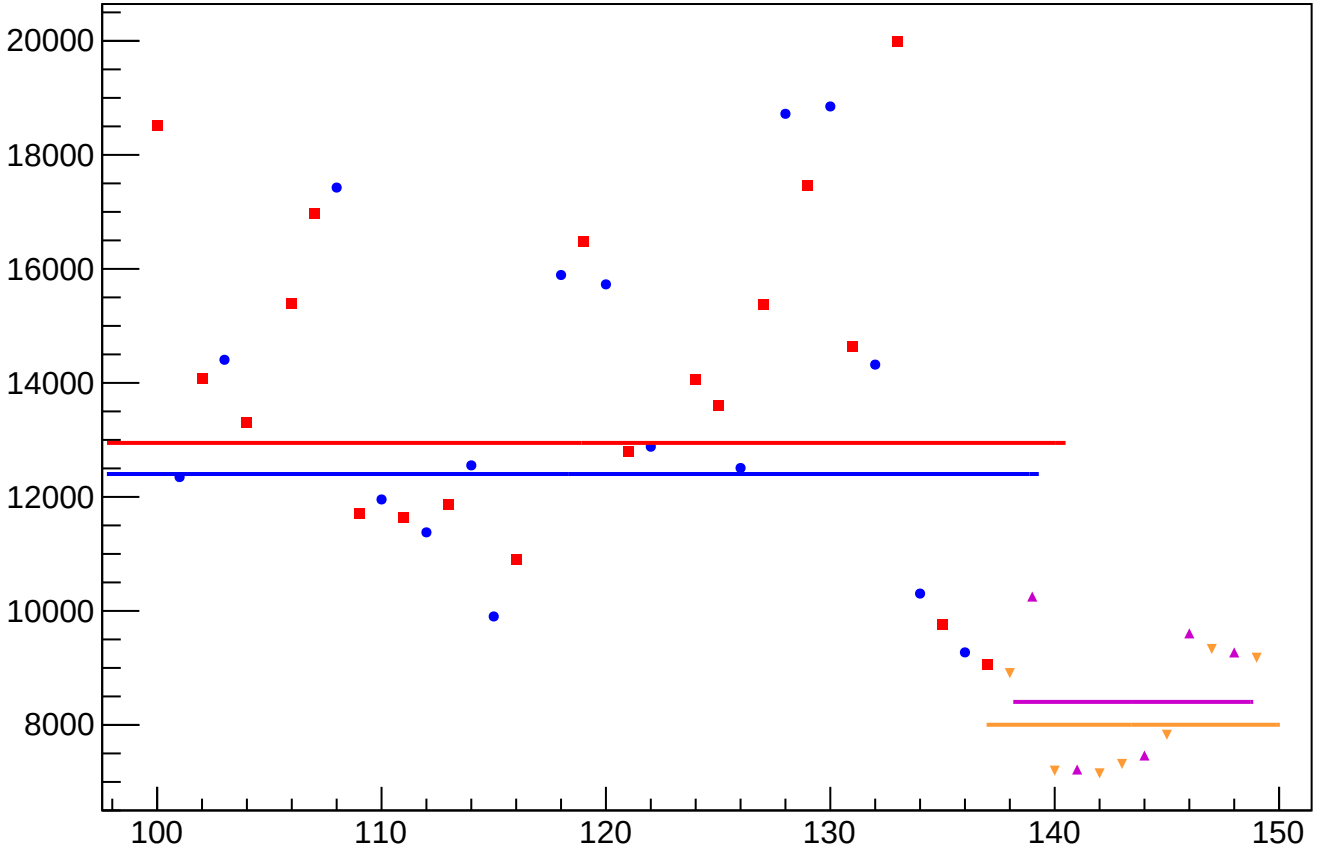
Left In: -1.771+/-4.070 χ^2/NDF:2.7/4

+ sign -7.982+/-2.816 χ^2/NDF: 39.7/22

All: -6.779+/-2.089 χ^2/NDF: 58.6/46

- 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: 8002.913+/-2.473 χ^2/NDF:125081.4/6

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

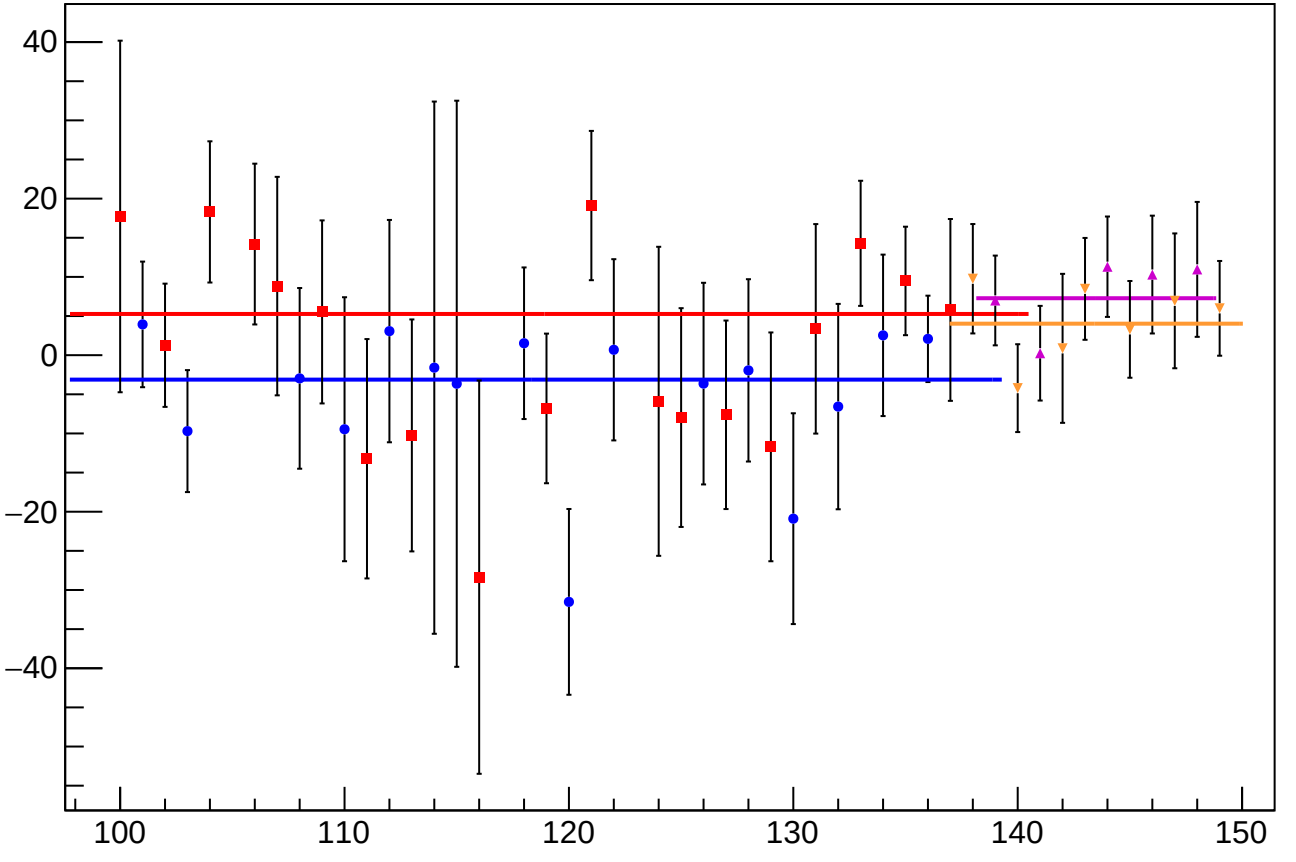
Left In: 8404.126+/-2.878 χ^2/NDF:173454.2/4

+ sign 9549.657+/-1.991 χ^2/NDF: 1916366.5/22

All: 9880.739+/-1.477 χ^2/NDF: 3738907.3/46

- 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: 4.024+/-2.550 χ^2/NDF:3.6/6

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

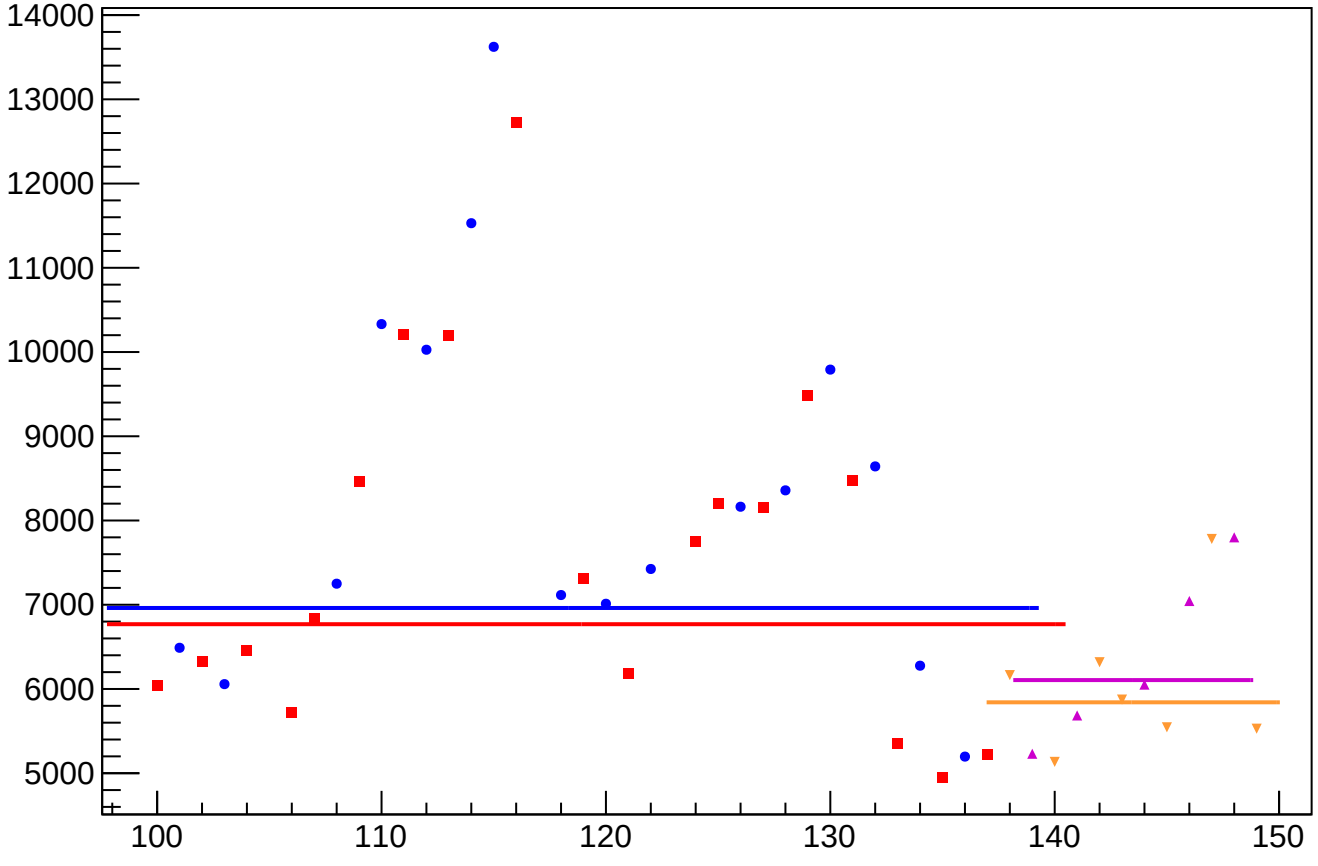
Left In: 7.276+/-2.972 χ^2/NDF:2.1/4

+ sign 0.596+/-1.839 χ^2/NDF: 18.3/22

All: 3.215+/-1.334 χ^2/NDF: 41.8/46

- 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: 5841.649+/-1.803 χ^2/NDF:152418.9/6

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

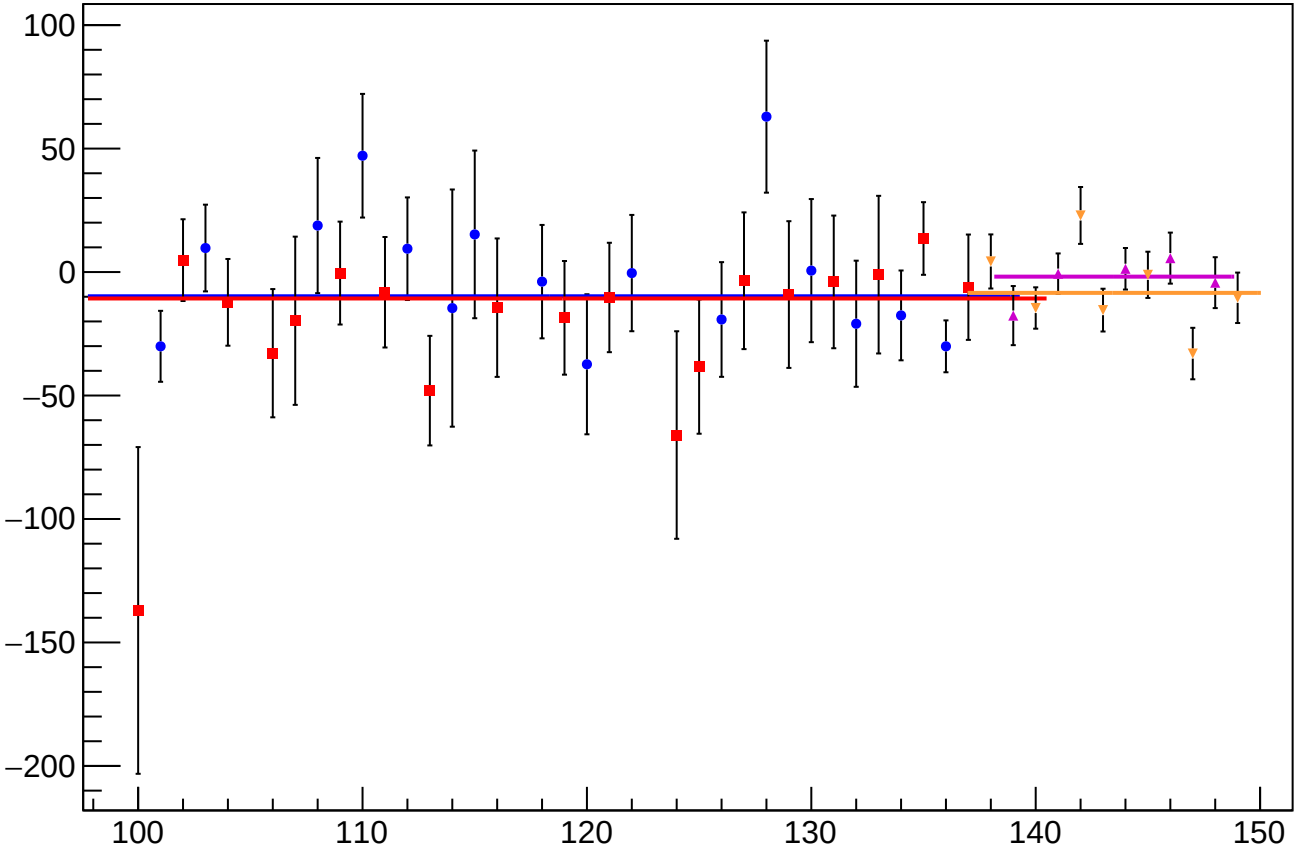
Left In: 6105.597+/-2.102 χ^2/NDF:164739.1/4

+ sign 6378.807+/-1.300 χ^2/NDF: 1033927.7/22

All: 6430.278+/-0.943 χ^2/NDF: 2057404.6/46

- 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: -8.433+/-3.685 χ^2/NDF:16.1/6

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

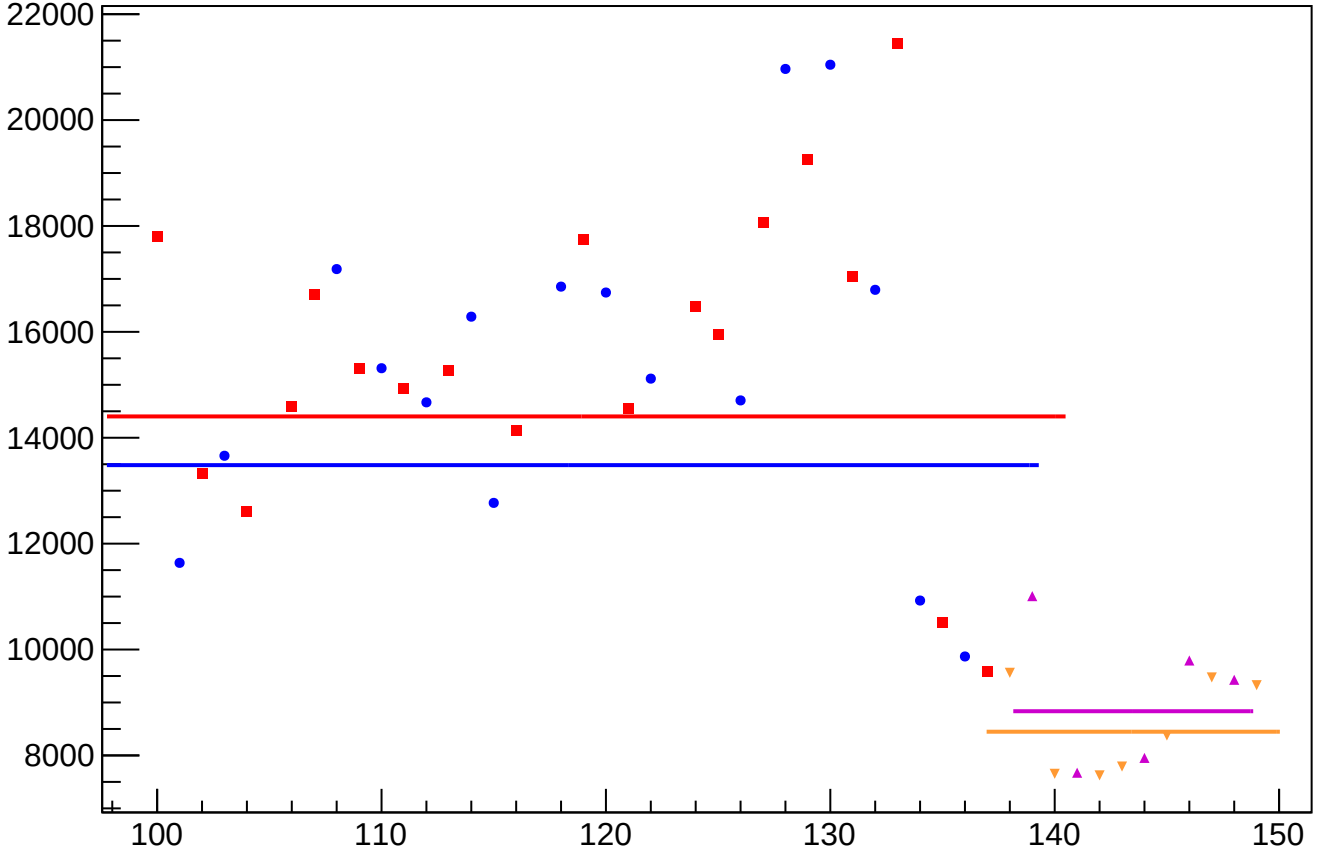
Left In: -1.858+/-4.273 χ^2/NDF:2.5/4

+ sign -8.896+/-3.002 χ^2/NDF: 38.2/22

All: -7.283+/-2.235 χ^2/NDF: 57.3/46

- 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: 8447.990+/-2.605 χ^2/NDF:94714.7/6

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

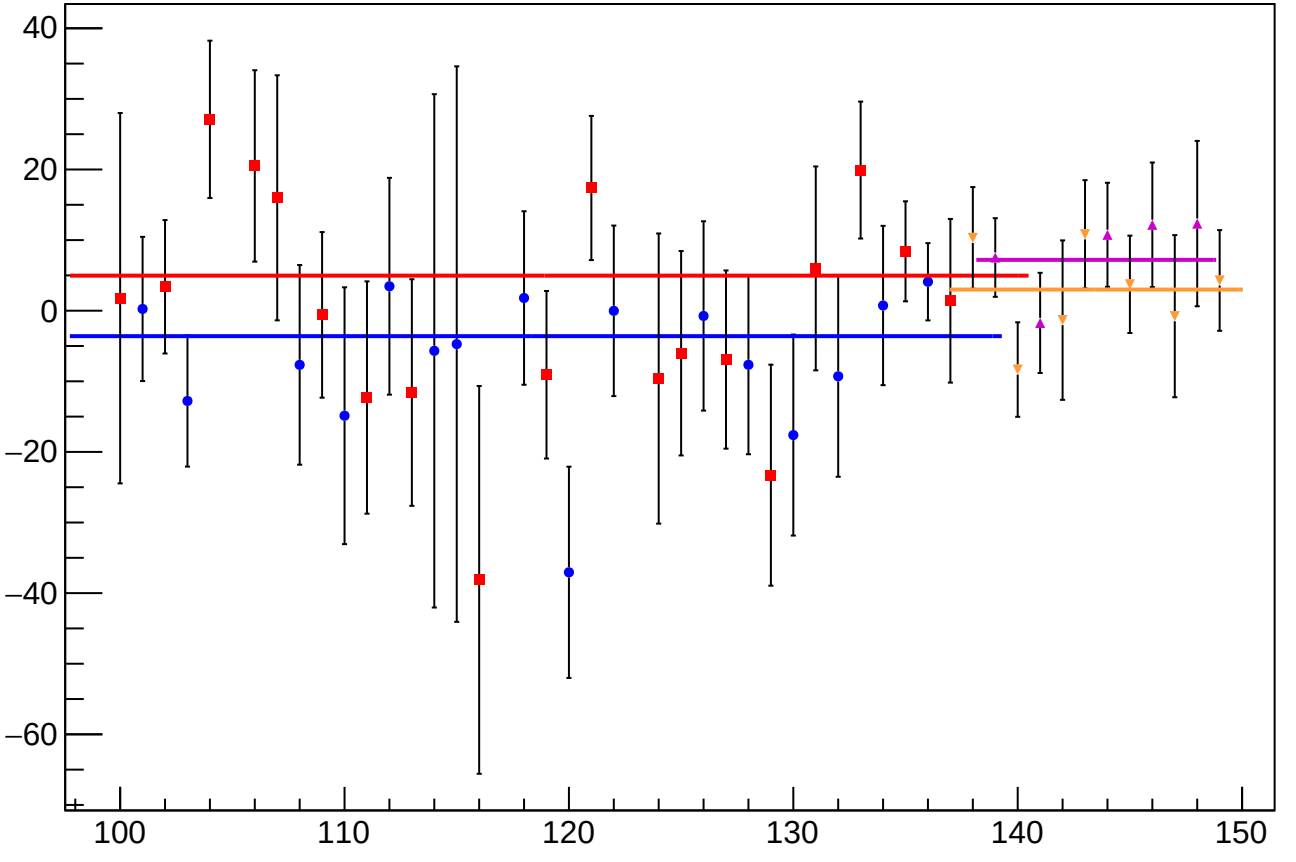
Left In: 8834.943+/-3.021 χ^2/NDF:151901.0/4

+ sign 10140.378+/-2.123 χ^2/NDF: 2093747.4/22

All: 10518.515+/-1.580 χ^2/NDF: 4182516.5/4

- 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: 2.994+/-2.952 χ^2/NDF:5.2/6

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

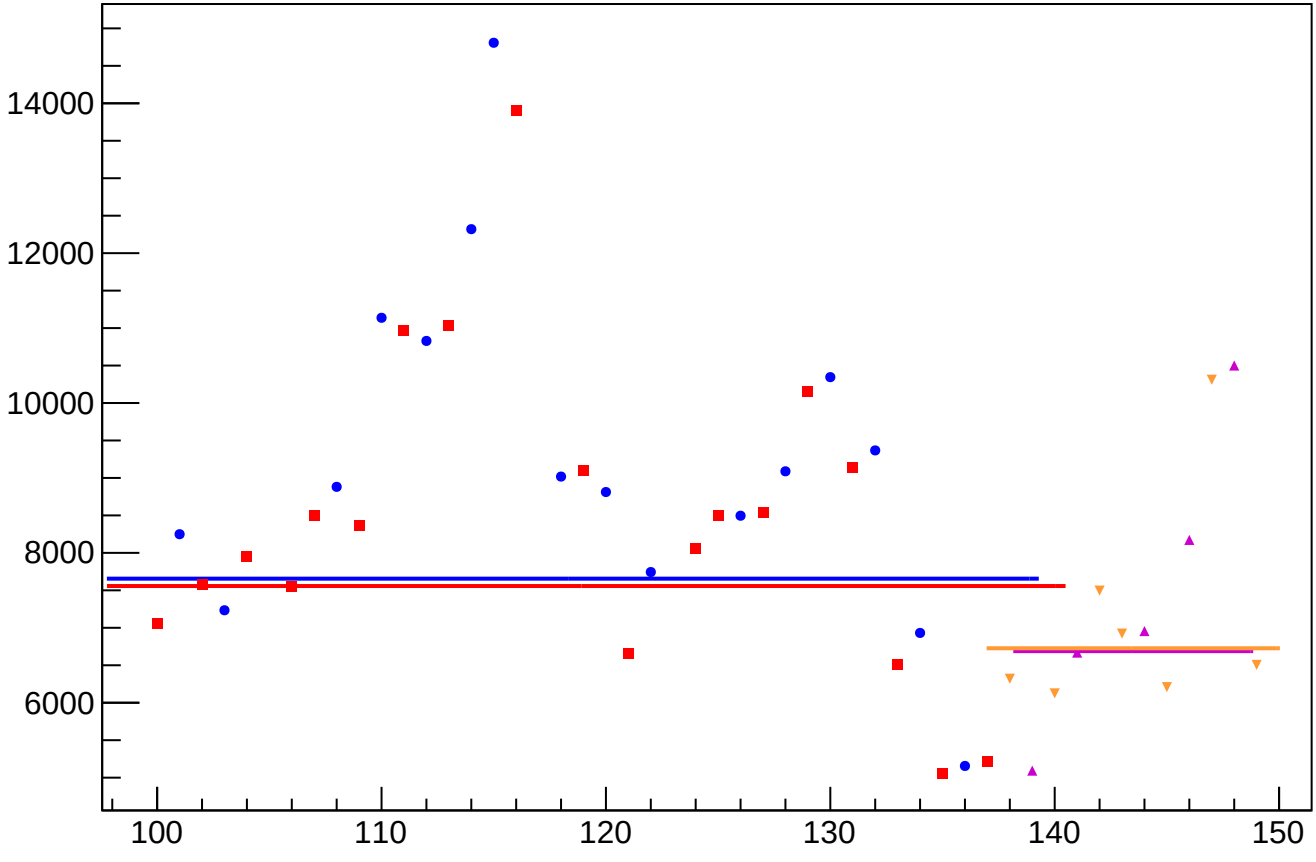
Left In: 7.201+/-3.321 χ^2/NDF:2.3/4

+ sign -0.319+/-2.083 χ^2/NDF: 18.2/22

All: 2.678+/-1.501 χ^2/NDF: 46.5/46

- 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: 6726.725+/-2.087 χ^2/NDF:241274.3/6

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

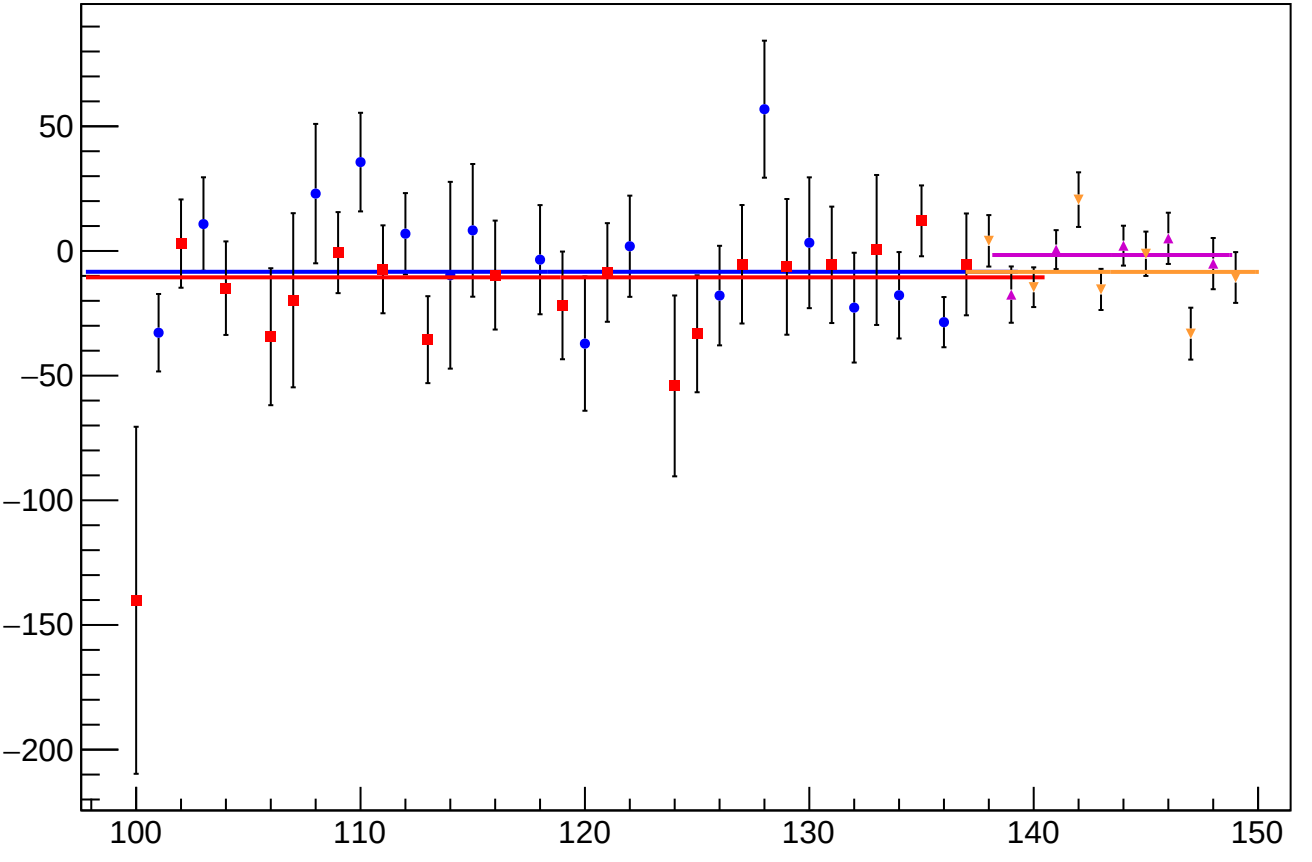
Left In: 6688.755+/-2.348 χ^2/NDF:435142.5/4

+ sign 7193.189+/-1.473 χ^2/NDF: 1220513.4/22

All: 7190.820+/-1.061 χ^2/NDF: 2544205.0/46

- 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: -8.395+/-3.542 χ^2/NDF:16.2/6

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

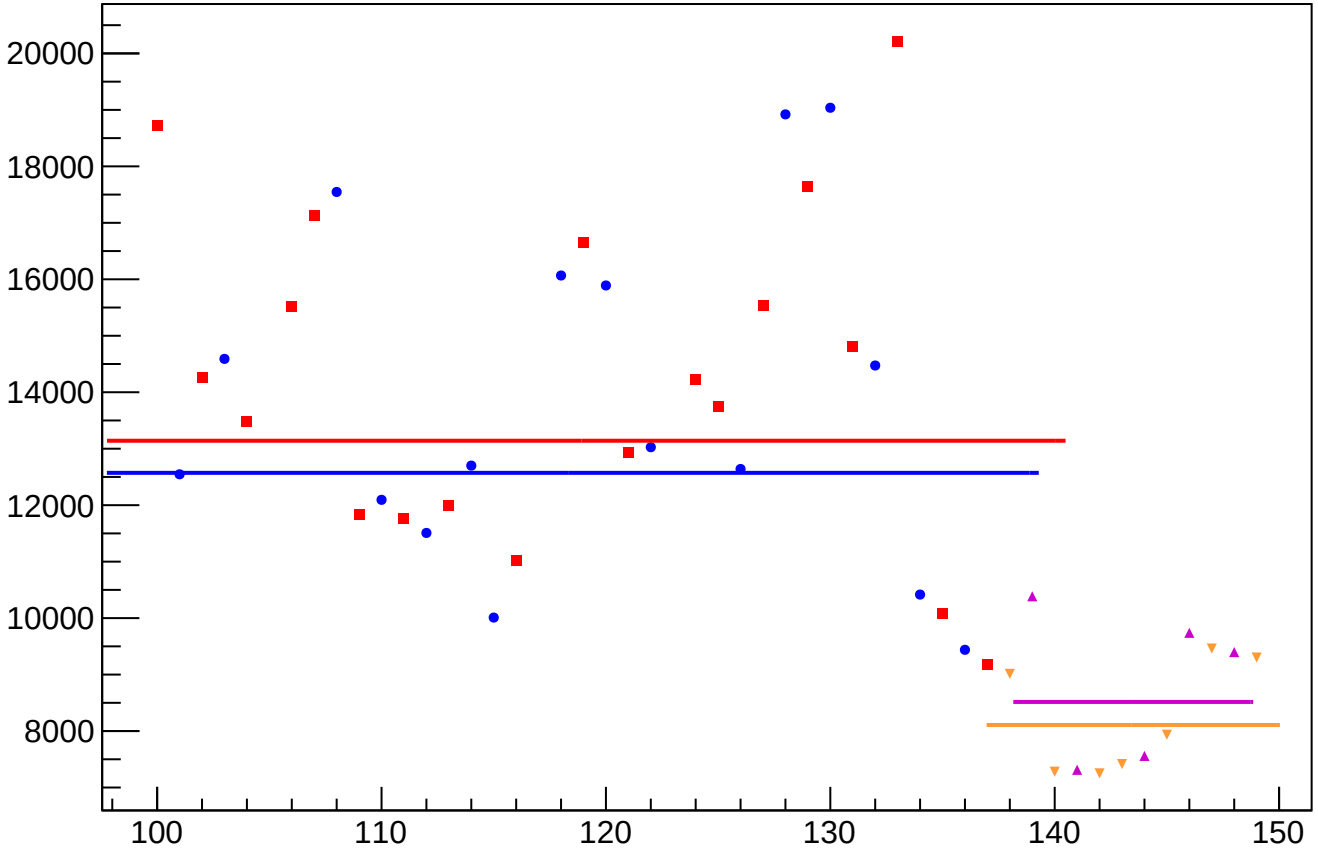
Left In: -1.617+/-4.124 χ^2/NDF:2.8/4

+ sign -8.380+/-2.853 χ^2/NDF: 39.4/22

All: -7.005+/-2.117 χ^2/NDF: 57.6/46

- 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: 8107.249+/-2.505 χ^2/NDF:125337.4/6

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

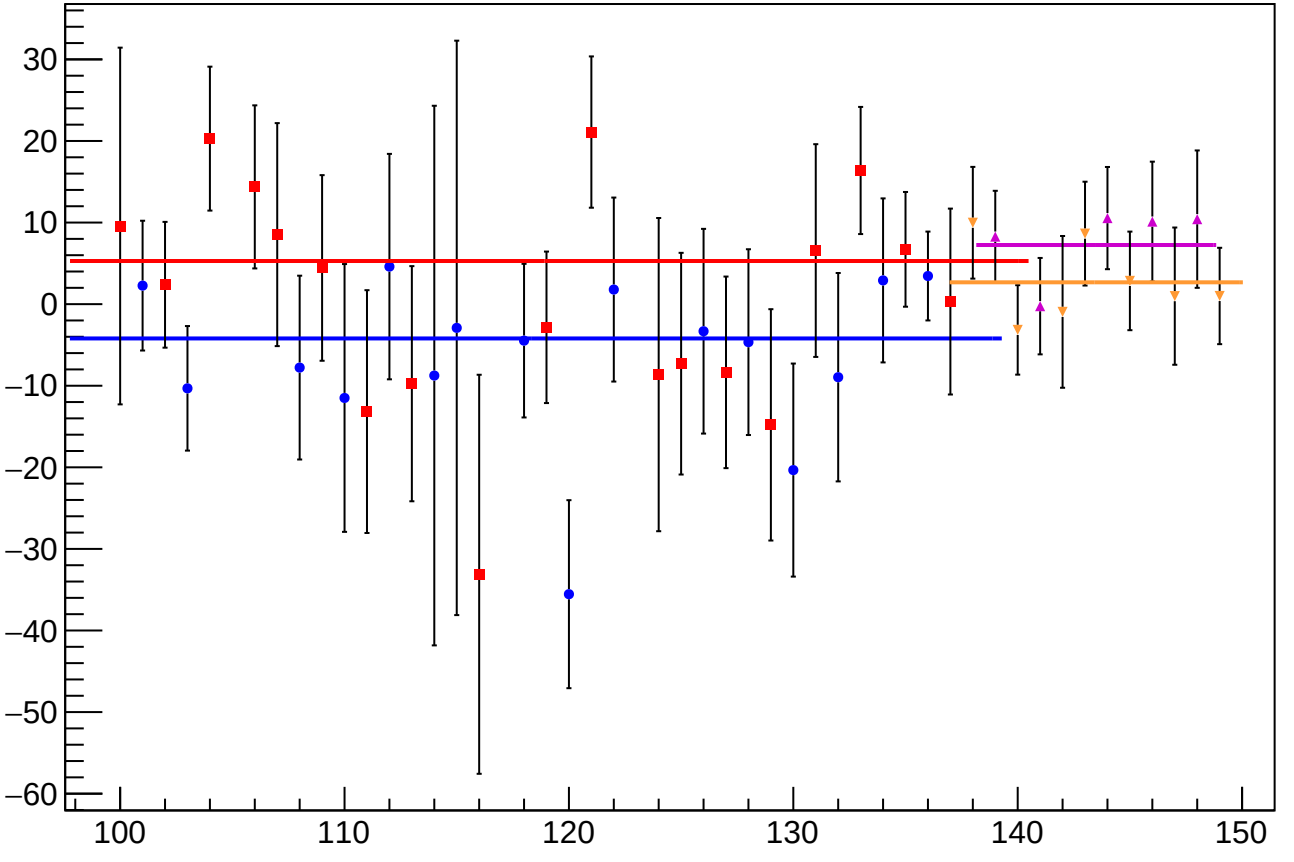
Left In: 8515.728+/-2.916 χ^2/NDF:173958.1/4

+ sign 9675.869+/-2.017 χ^2/NDF: 1906775.1/22

All: 10014.124+/-1.497 χ^2/NDF: 3718565.8/4

- 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: 2.676+/-2.492 χ^2/NDF:3.4/6

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

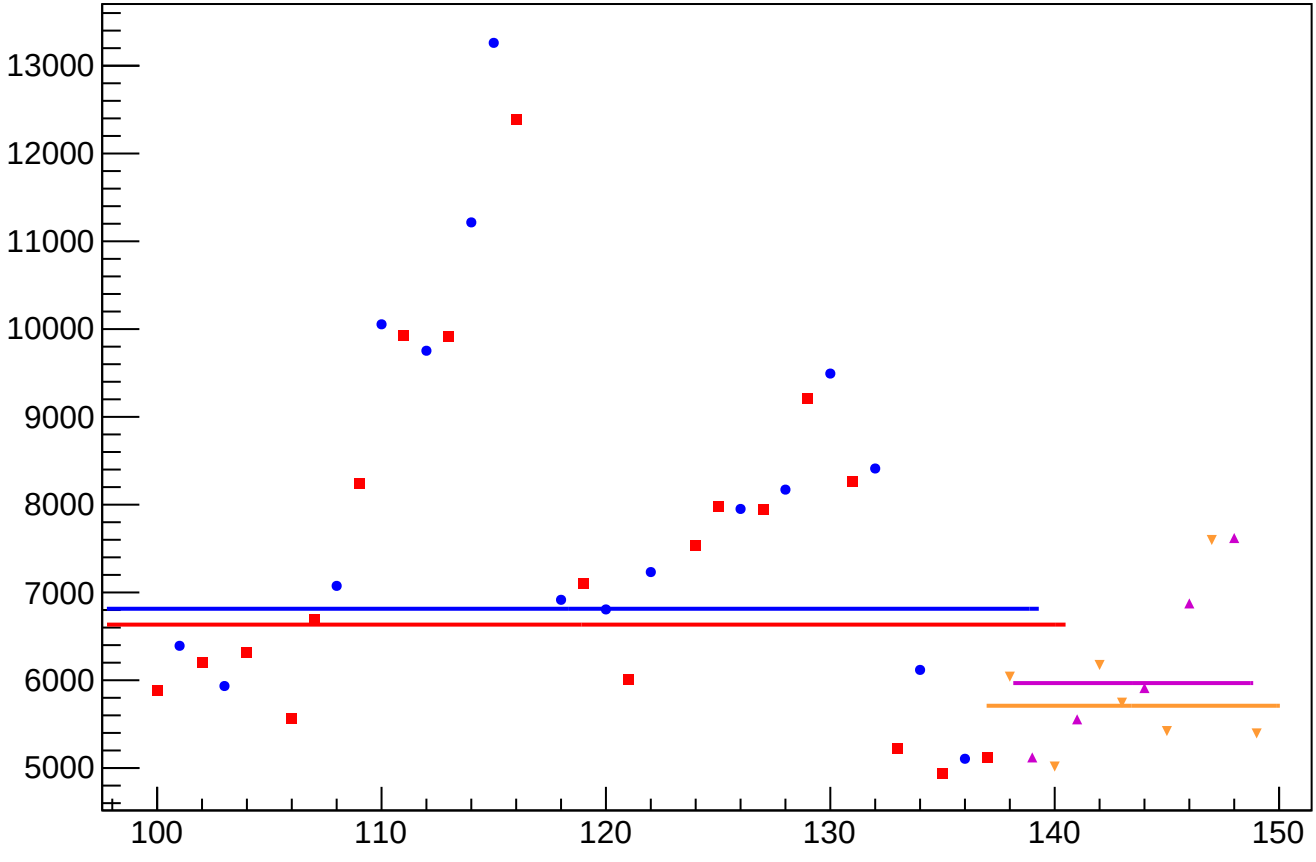
Left In: 7.249+/-2.905 χ^2/NDF:2.2/4

+ sign -0.618+/-1.799 χ^2/NDF: 20.9/22

All: 2.576+/-1.305 χ^2/NDF: 49.8/46

- 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: 5709.485+/-1.762 χ^2/NDF:152678.7/6

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

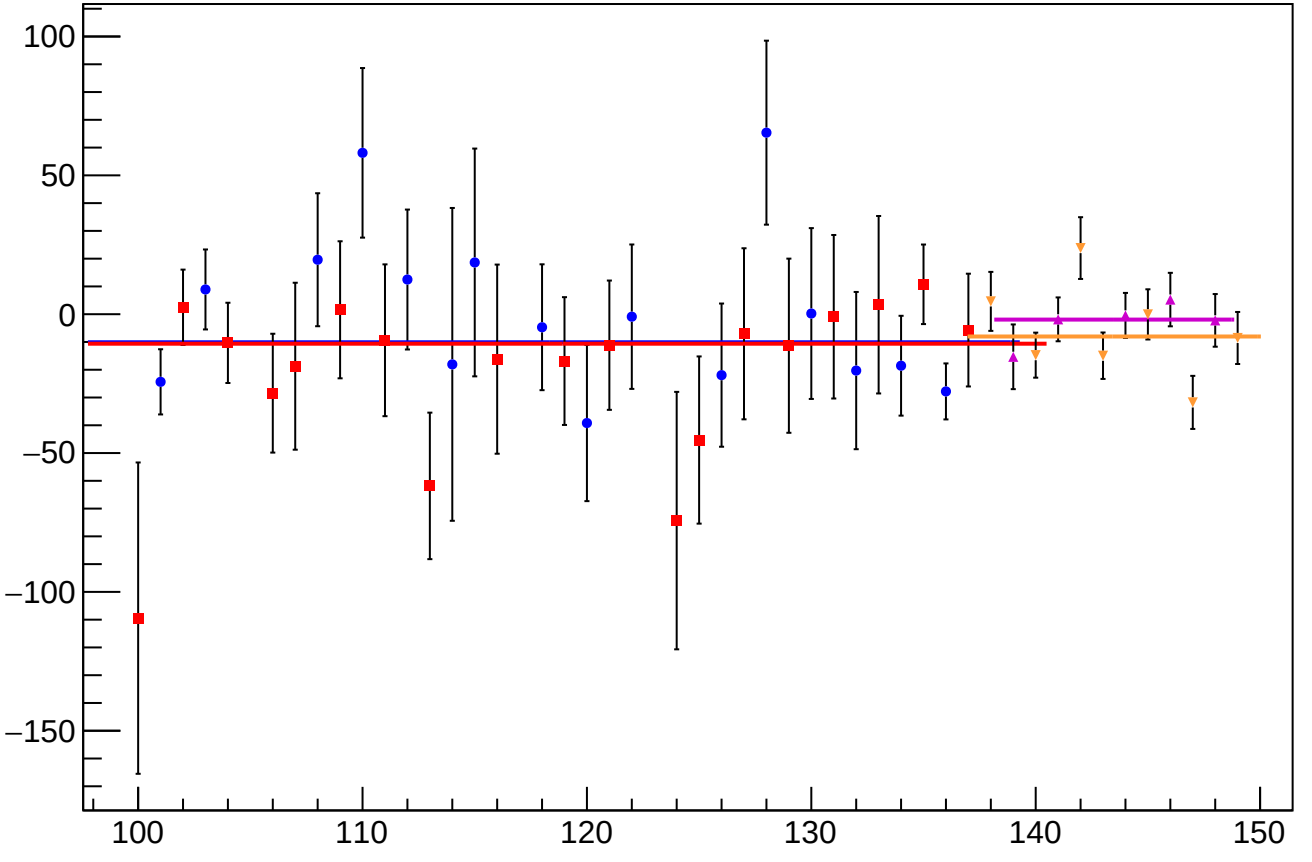
Left In: 5967.675+/-2.054 χ^2/NDF:162968.7/4

+ sign 6238.357+/-1.272 χ^2/NDF: 1014969.6/22

All: 6291.285+/-0.923 χ^2/NDF: 2005293.4/46

- 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: -8.029+/-3.513 χ^2/NDF:17.9/6

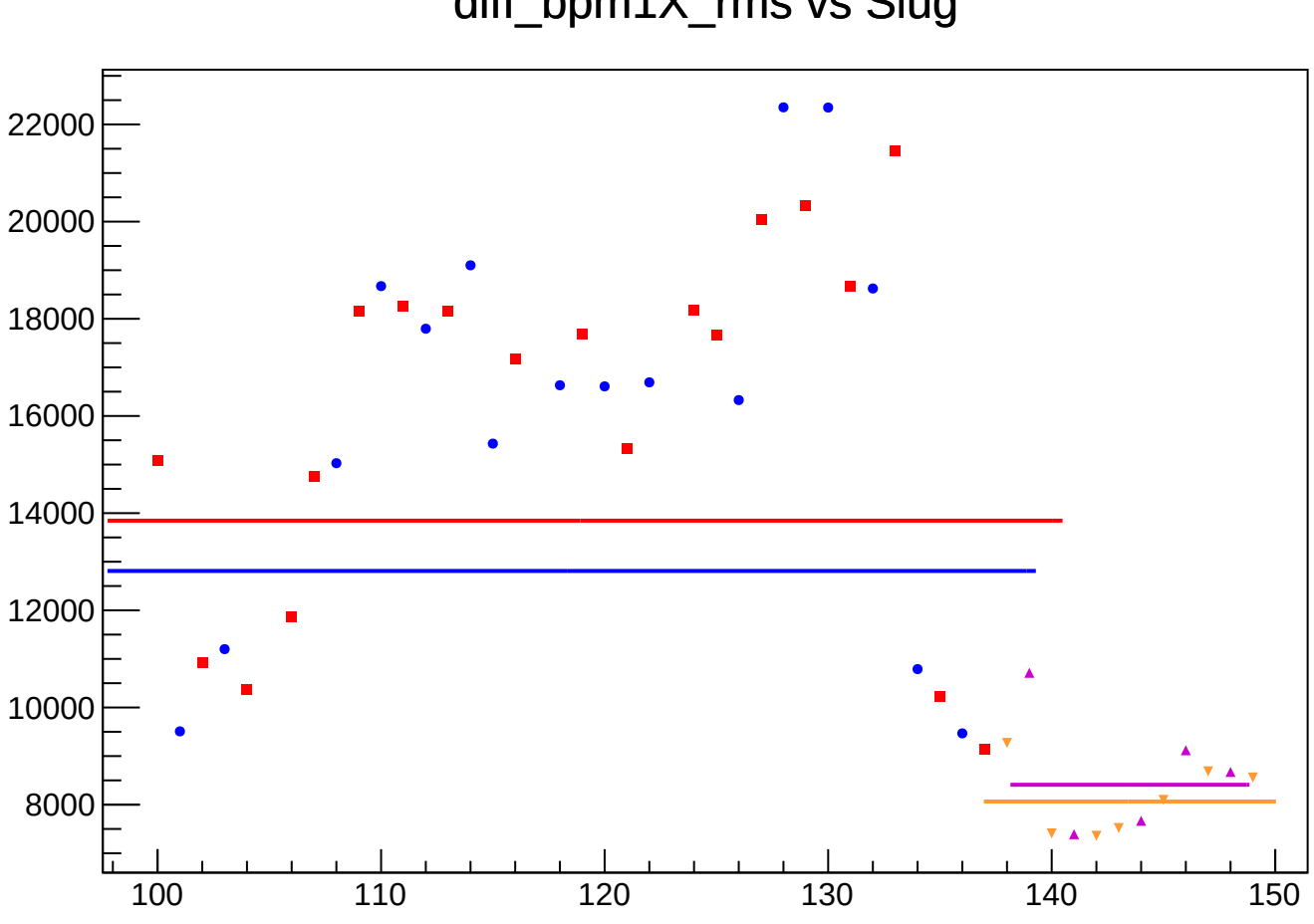
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -1.941+/-4.065 χ^2/NDF:1.9/4

+ sign -8.715+/-2.877 χ^2/NDF: 39.3/22

All: -7.143+/-2.146 χ^2/NDF: 58.3/46

- 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: 8064.705+/-2.484 χ^2/NDF:69522.6/6

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

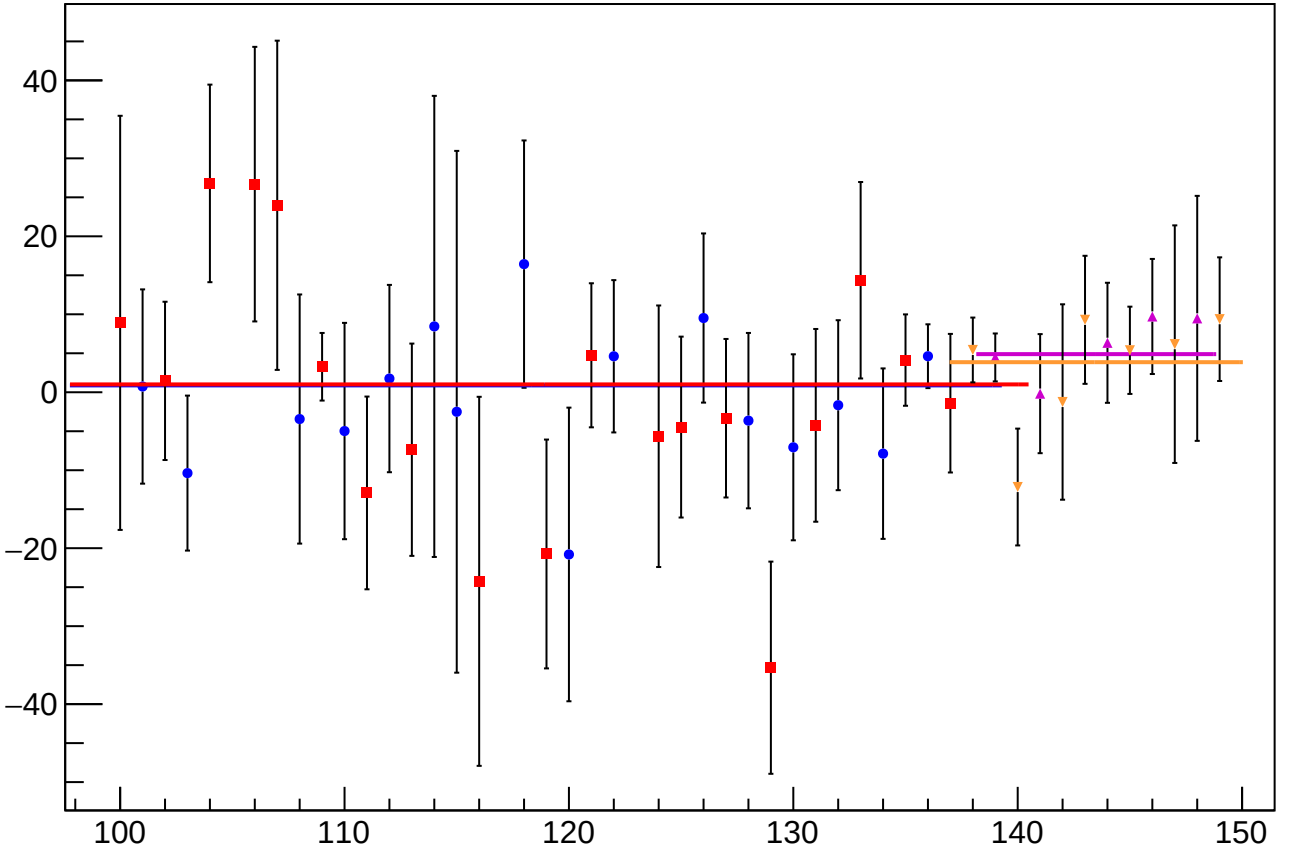
Left In: 8409.492+/-2.875 χ^2/NDF:140666.3/4

+ sign 9625.509+/-2.035 χ^2/NDF: 2518372.3/22

All: 9984.571+/-1.517 χ^2/NDF: 5157788.9/46

- 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: 3.857+/-2.590 χ^2/NDF:5.9/6

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

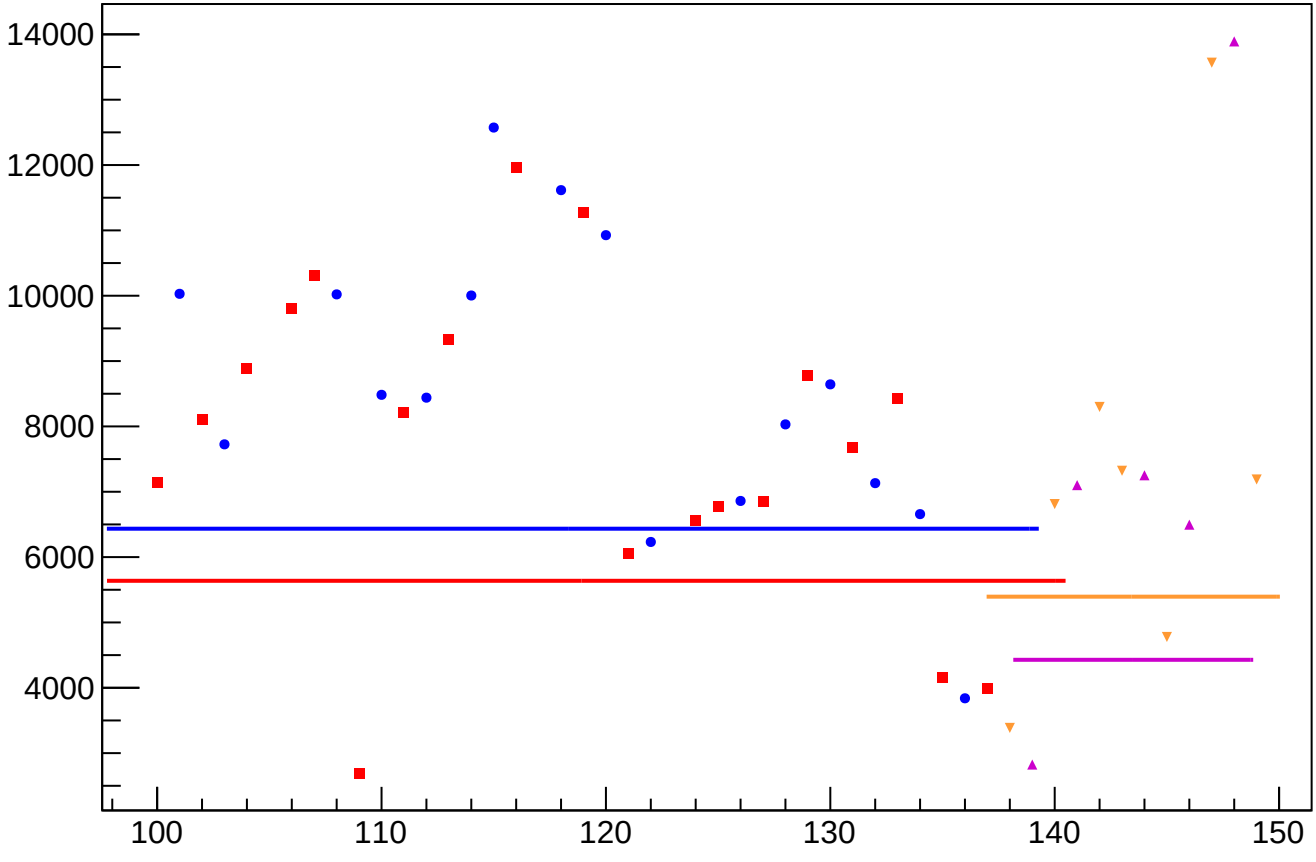
Left In: 4.890+/-2.482 χ^2/NDF:1.0/4

+ sign 2.356+/-1.823 χ^2/NDF: 13.4/22

All: 2.601+/-1.240 χ^2/NDF: 38.0/46

- 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: 5394.510+/-1.831 χ^2/NDF:1458379.7/6

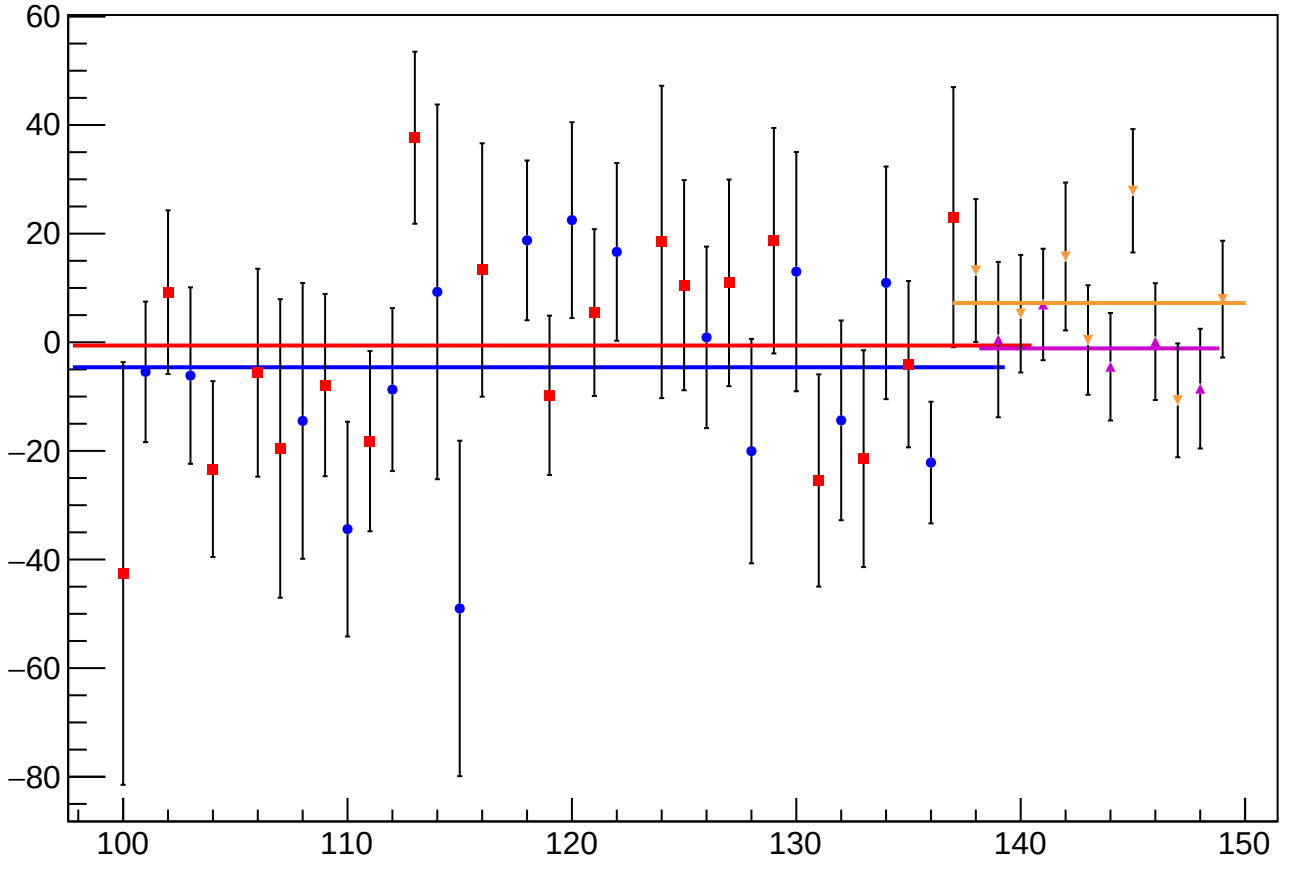
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 4428.240+/-1.755 χ^2/NDF:1941241.4/4

+ sign 5919.333+/-1.289 χ^2/NDF: 3371747.6/22

All: 5465.922+/-0.877 χ^2/NDF: 8377366.5/46

- 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: 7.232+/-4.261 χ^2/NDF:7.3/6

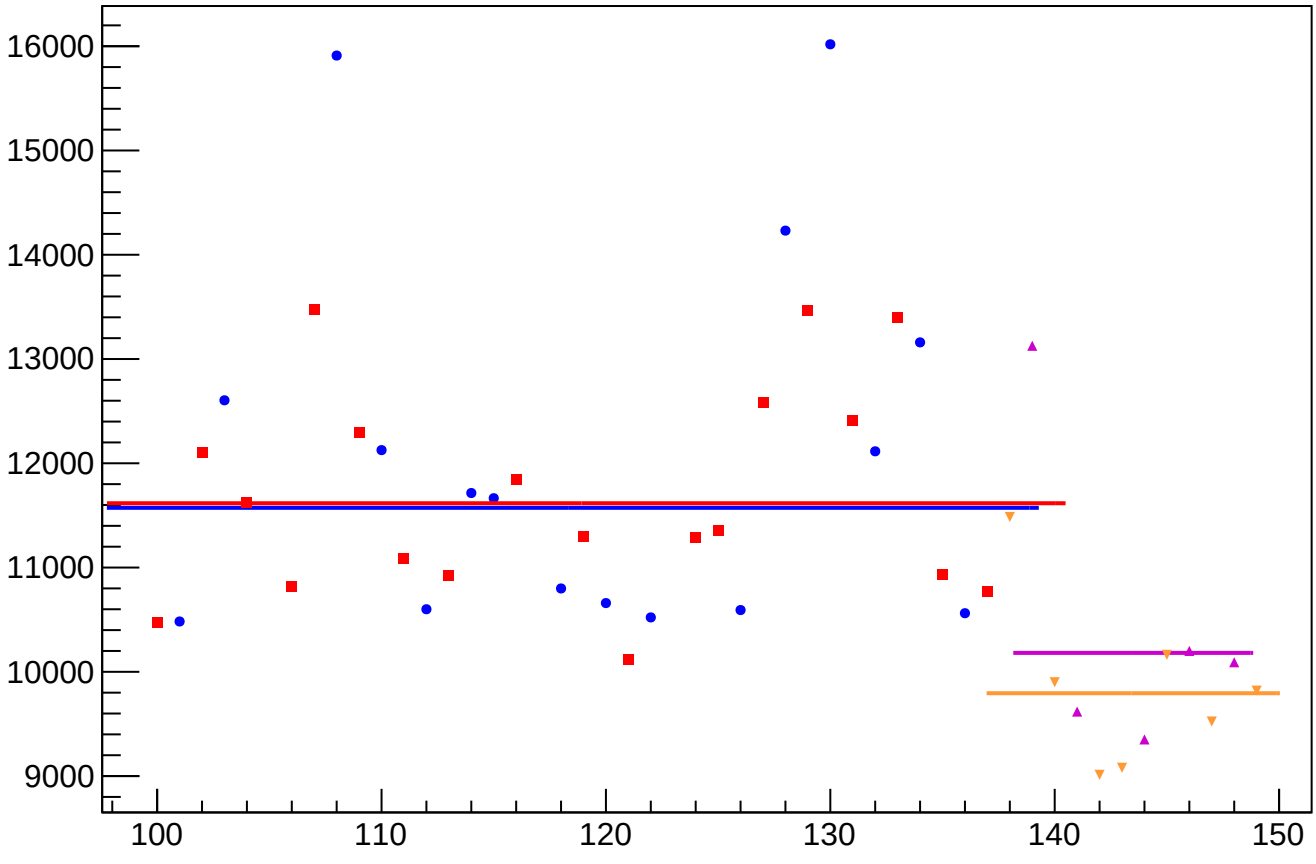
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -1.126+/-4.911 χ^2/NDF:1.2/4

+ sign 1.443+/-3.046 χ^2/NDF: 26.9/22

All: 0.372+/-2.213 χ^2/NDF: 46.3/46

- sign -0.826+/-3.221 χ^2/NDF: 19.1/23



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 9794.707+/-3.013 χ^2/NDF:53314.8/6

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

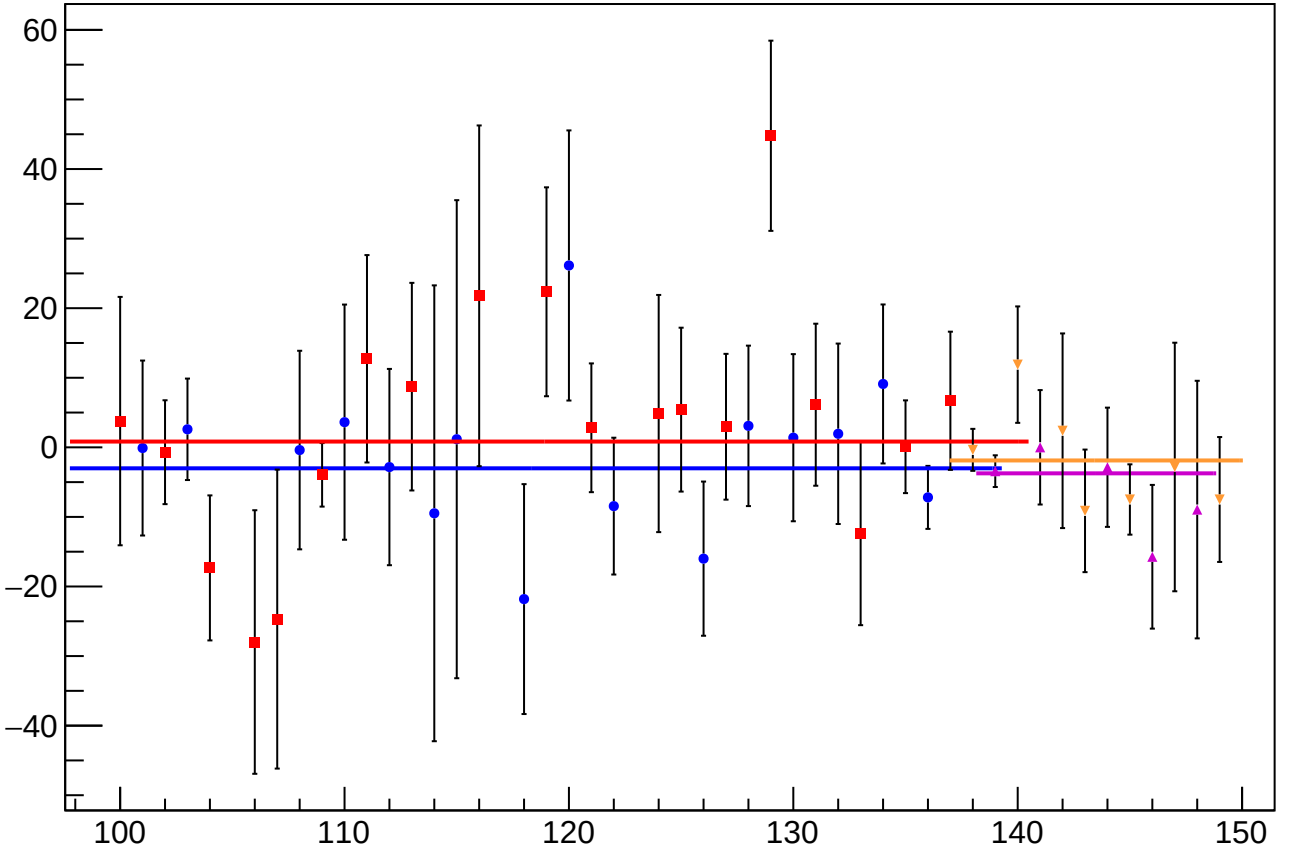
Left In: 10181.539+/-3.472 χ^2/NDF:105006.8/4

+ sign 10664.638+/-2.154 χ^2/NDF: 483765.0/22

All: 10822.684+/-1.565 χ^2/NDF: 790697.6/46

- sign 10999.413+/-2.277 χ^2/NDF: 295525.2/23

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -1.884+/-2.254 χ^2/NDF:5.4/6

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

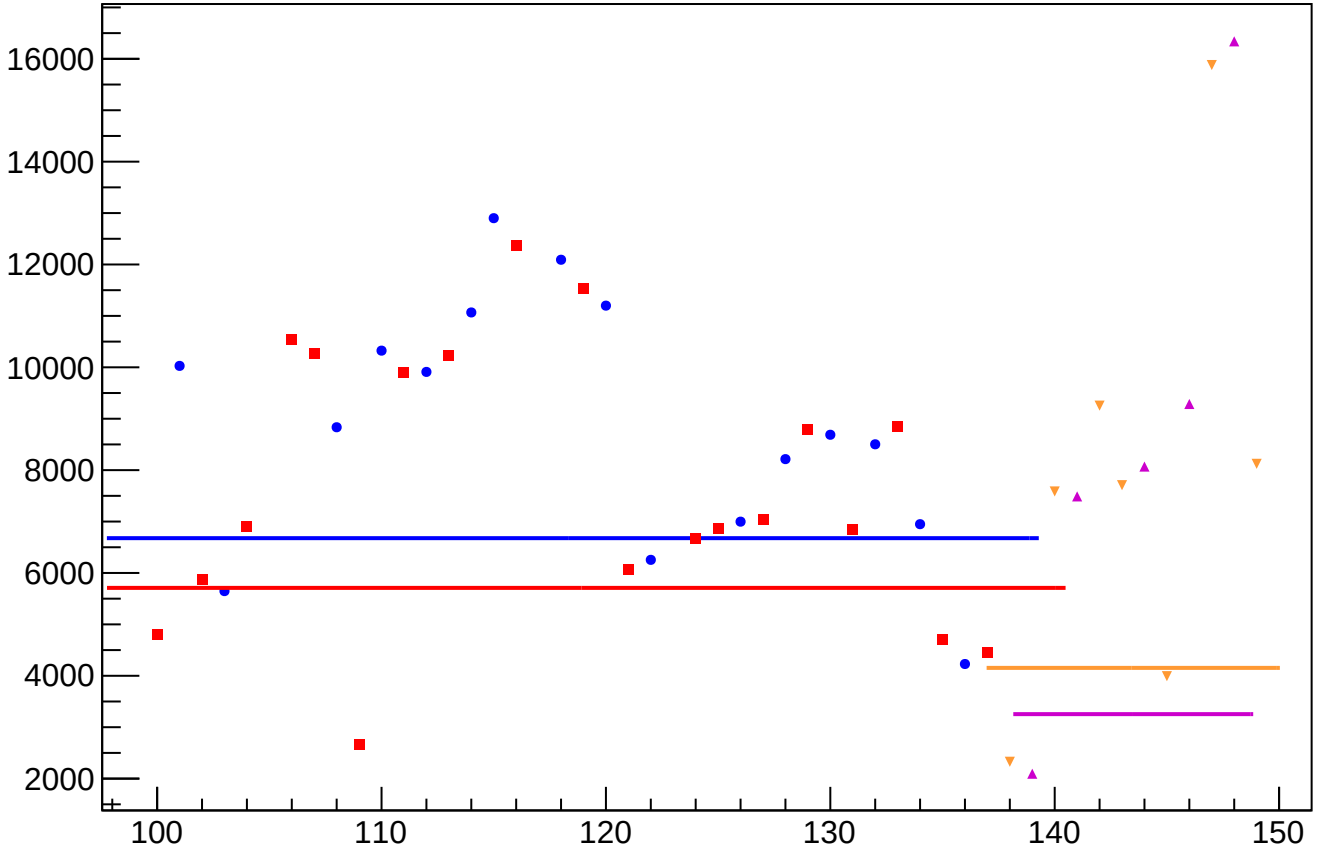
Left In: -3.737+/-2.071 χ^2/NDF:1.7/4

+ sign -2.358+/-1.718 χ^2/NDF: 14.1/22

All: -2.019+/-1.153 χ^2/NDF: 41.8/46

- 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: 4153.808+/-1.594 χ^2/NDF:2914956.4/6

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

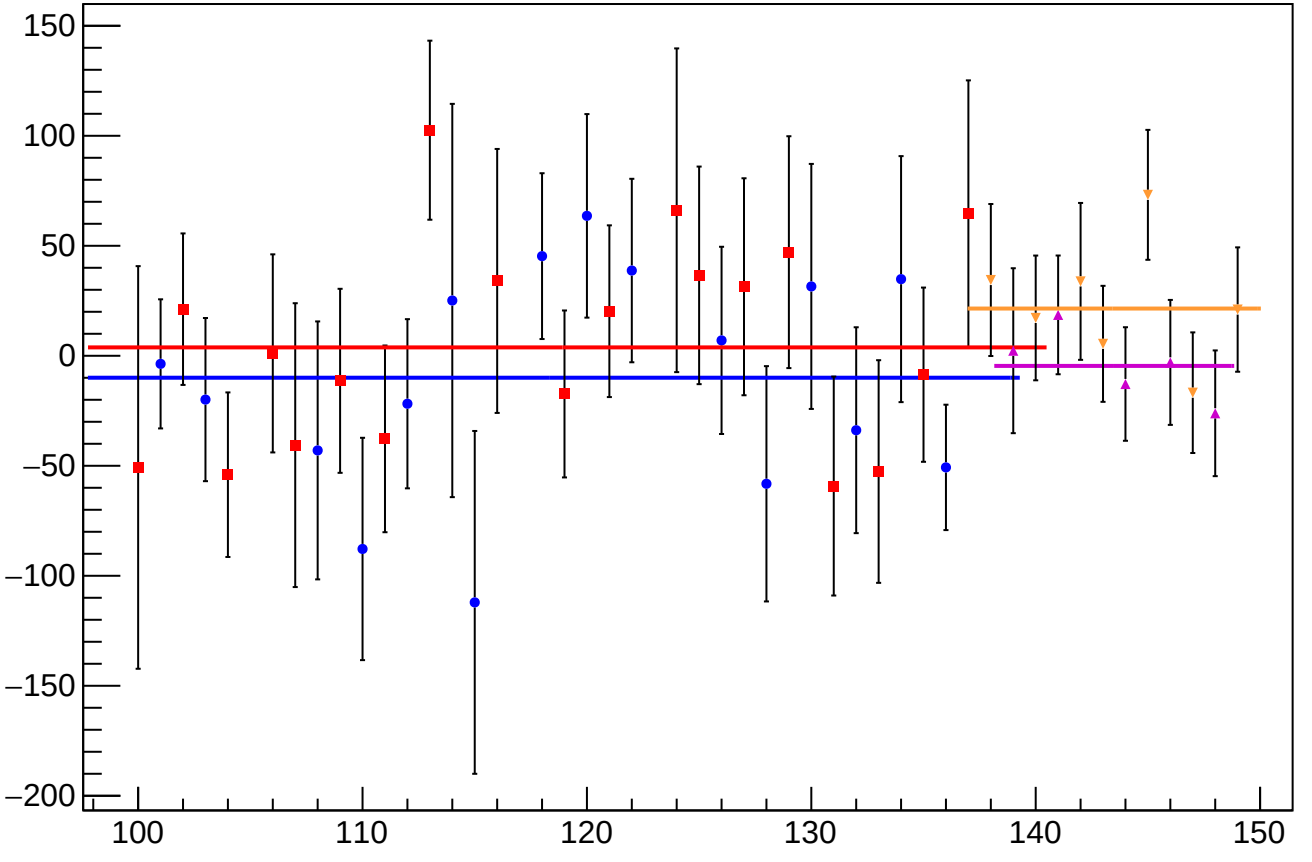
Left In: 3254.186+/-1.465 χ^2/NDF:3360098.7/4

+ sign 5211.154+/-1.215 χ^2/NDF: 5537944.3/22

All: 4725.028+/-0.815 χ^2/NDF: 12718279.7/4

- sign 4327.097+/-1.099 χ^2/NDF: 6889138.4/23

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.473+/-11.156 χ^2/NDF:5.7/6

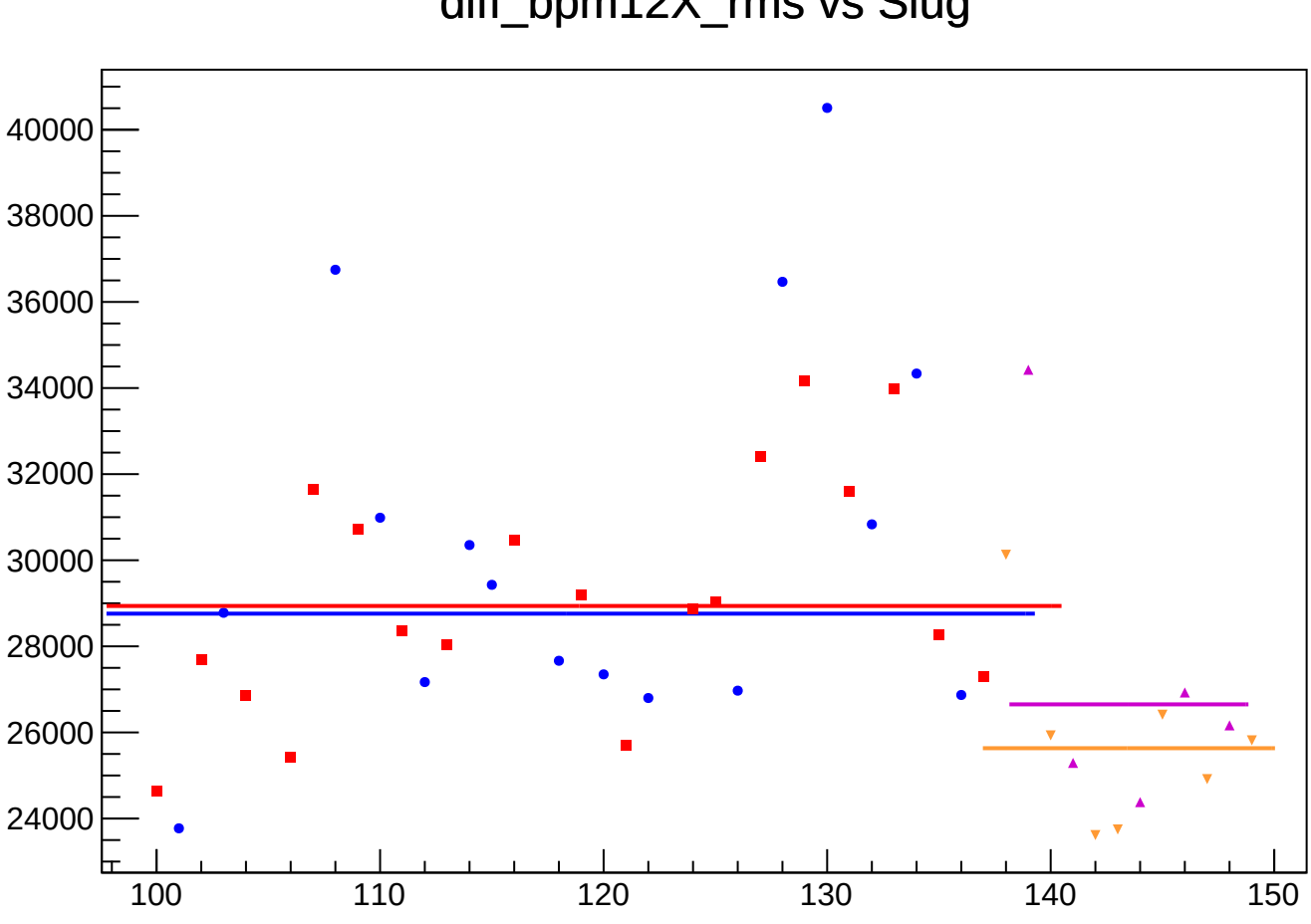
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -4.602+/-12.856 χ^2/NDF:1.4/4

+ sign 5.296+/-7.773 χ^2/NDF: 25.0/22

All: 2.974+/-5.640 χ^2/NDF: 44.2/46

- 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: 25633.497+/-7.888 χ^2/NDF:53566.3/6

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

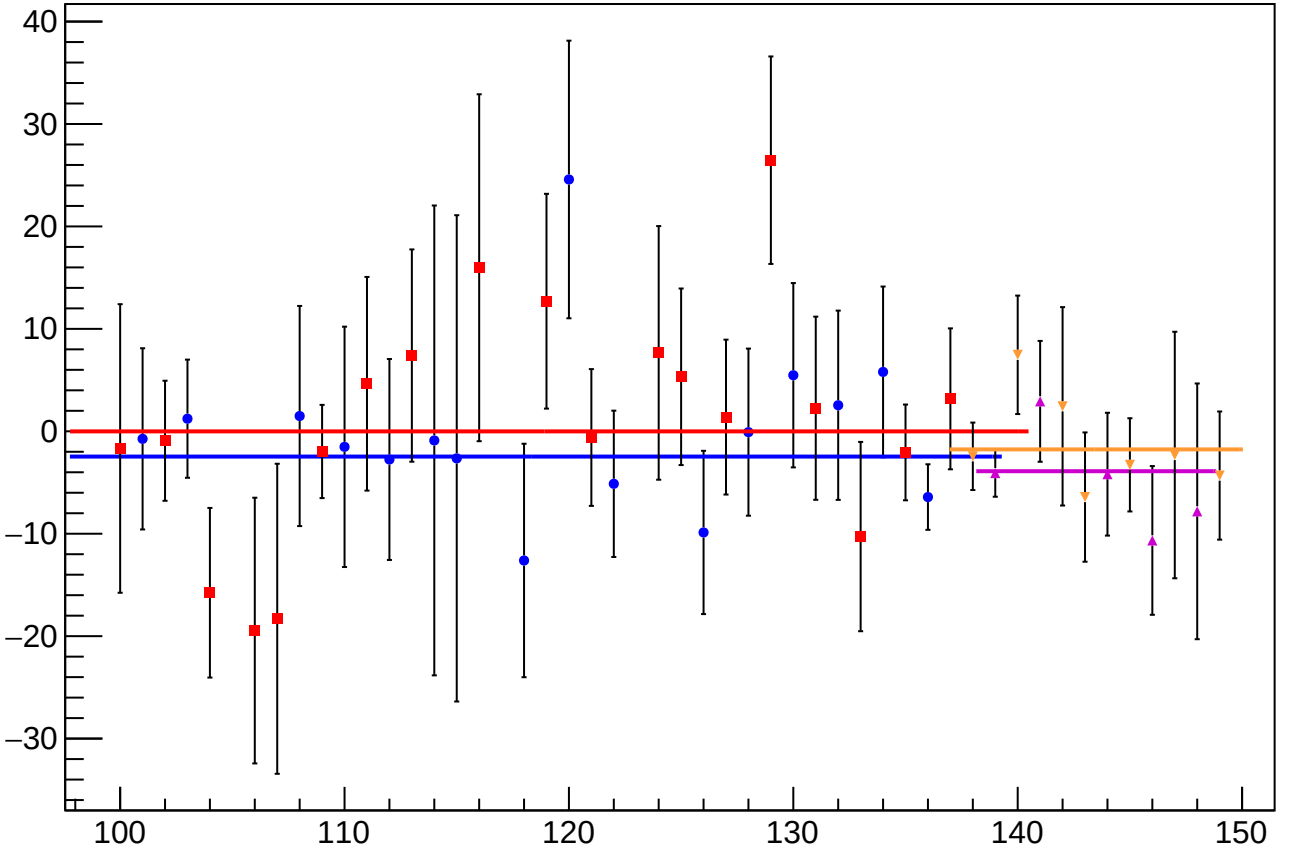
Left In: 26651.955+/-9.091 χ^2/NDF:107305.6/4

+ sign 27241.659+/-5.496 χ^2/NDF: 411987.6/22

All: 27604.980+/-3.988 χ^2/NDF: 672316.8/46

- sign 28008.848+/-5.795 χ^2/NDF: 251102.1/23

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.767+/-2.047 χ^2/NDF:3.6/6

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

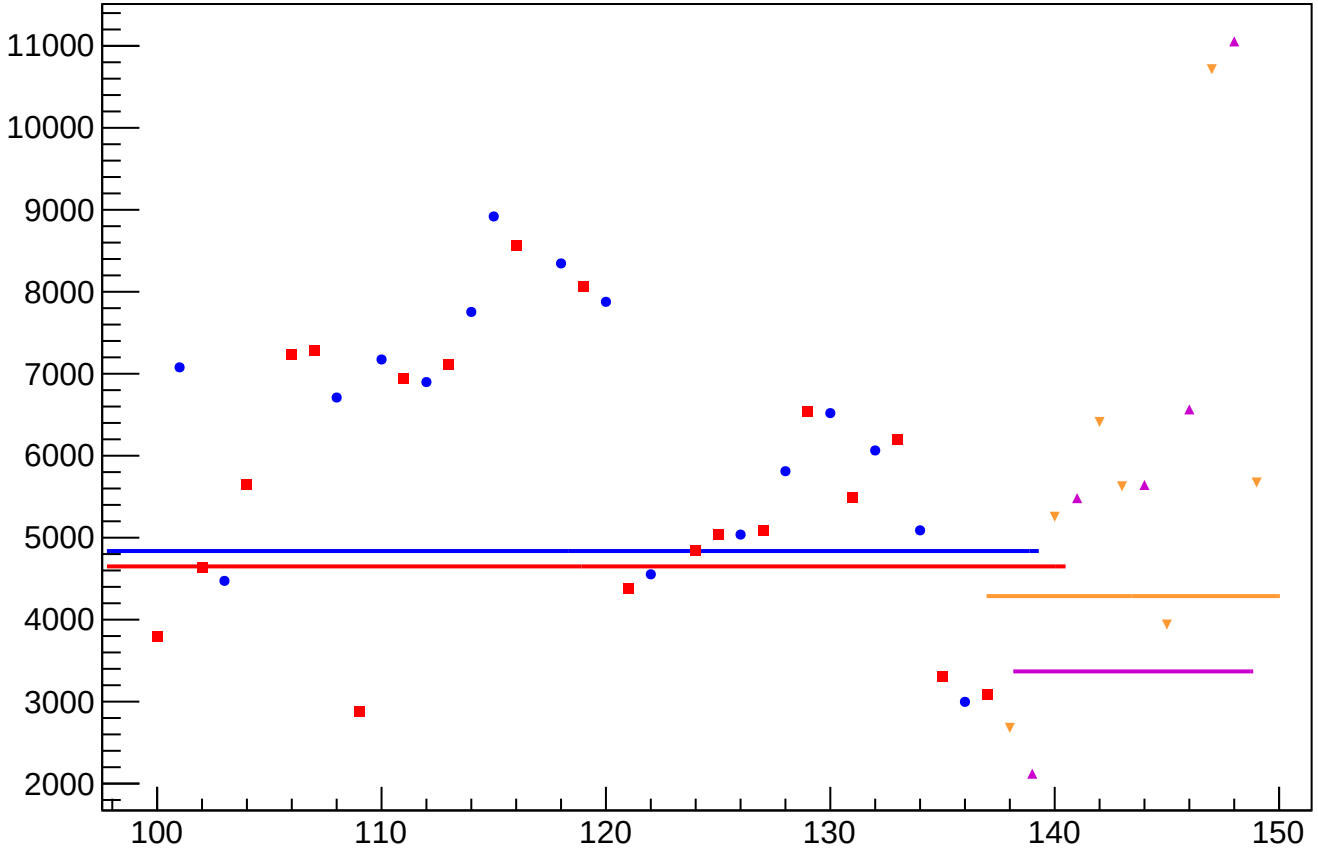
Left In: -3.897+/-1.926 χ^2/NDF:2.3/4

+ sign -2.141+/-1.399 χ^2/NDF: 13.7/22

All: -1.988+/-0.962 χ^2/NDF: 38.2/46

- 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: 4287.248+/-1.447 χ^2/NDF:1399499.6/6

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

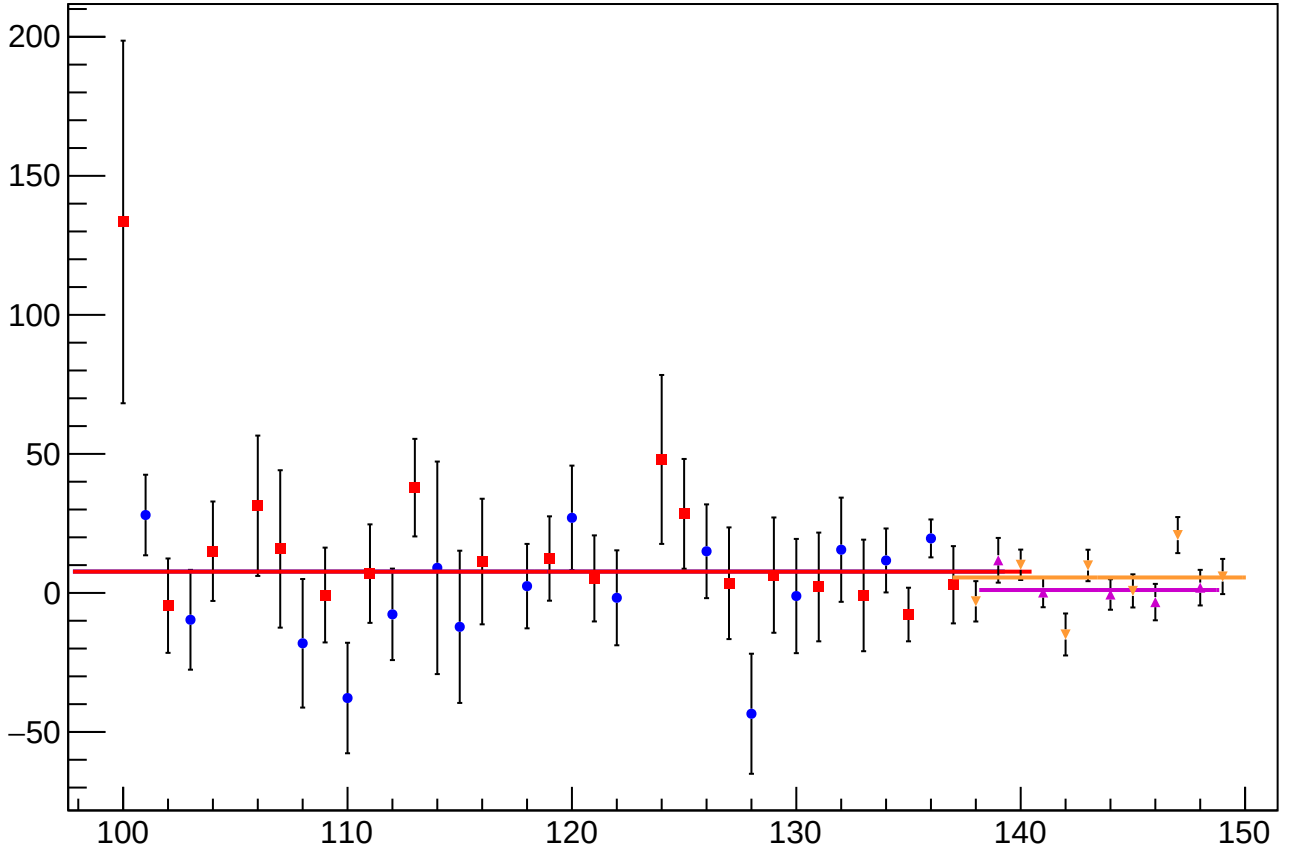
Left In: 3368.697+/-1.362 χ^2/NDF:2274864.9/4

+ sign 4580.412+/-0.989 χ^2/NDF: 3024222.6/22

All: 4297.138+/-0.680 χ^2/NDF: 7354739.0/46

- 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: 5.563+/-2.369 χ^2/NDF:16.2/6

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

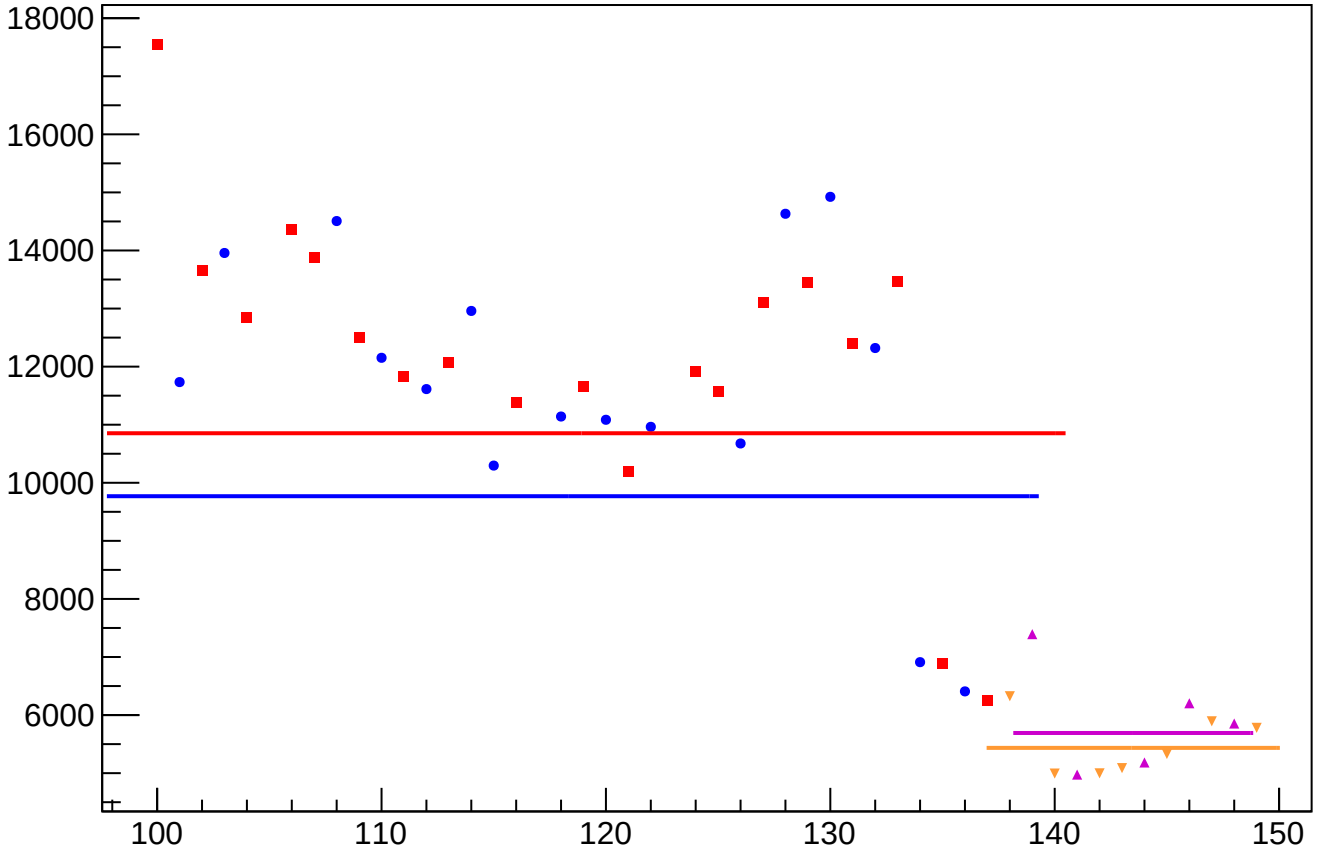
Left In: 1.052+/-2.754 χ^2/NDF:2.3/4

+ sign 6.157+/-2.013 χ^2/NDF: 38.1/22

All: 4.823+/-1.511 χ^2/NDF: 57.8/46

- 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: 5435.365+/-1.675 χ^2/NDF:73967.3/6

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

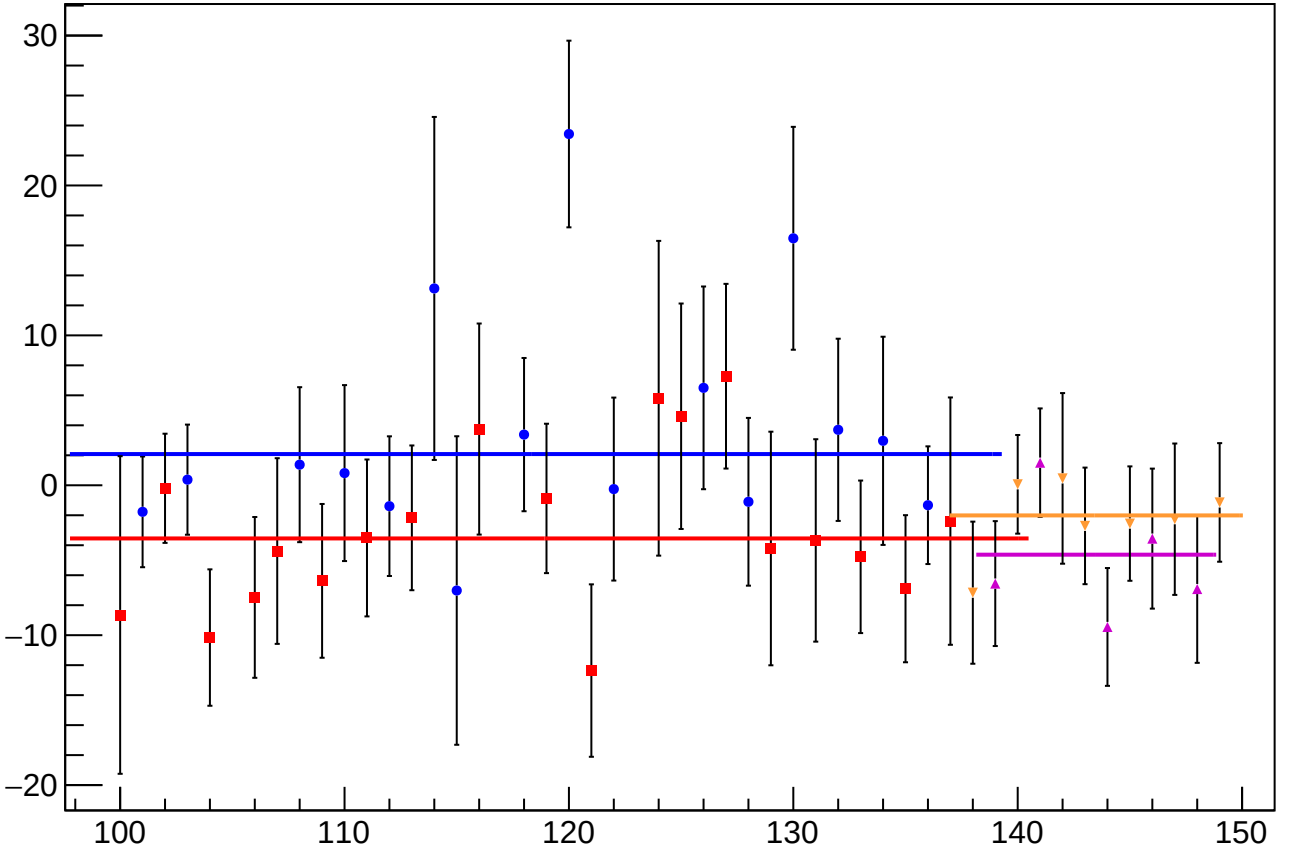
Left In: 5691.833+/-1.947 χ^2/NDF:156613.3/4

+ sign 6639.157+/-1.424 χ^2/NDF: 3146647.3/22

All: 6926.497+/-1.068 χ^2/NDF: 6455453.6/46

- 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: -2.010+/-1.570 χ^2/NDF:1.9/6

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

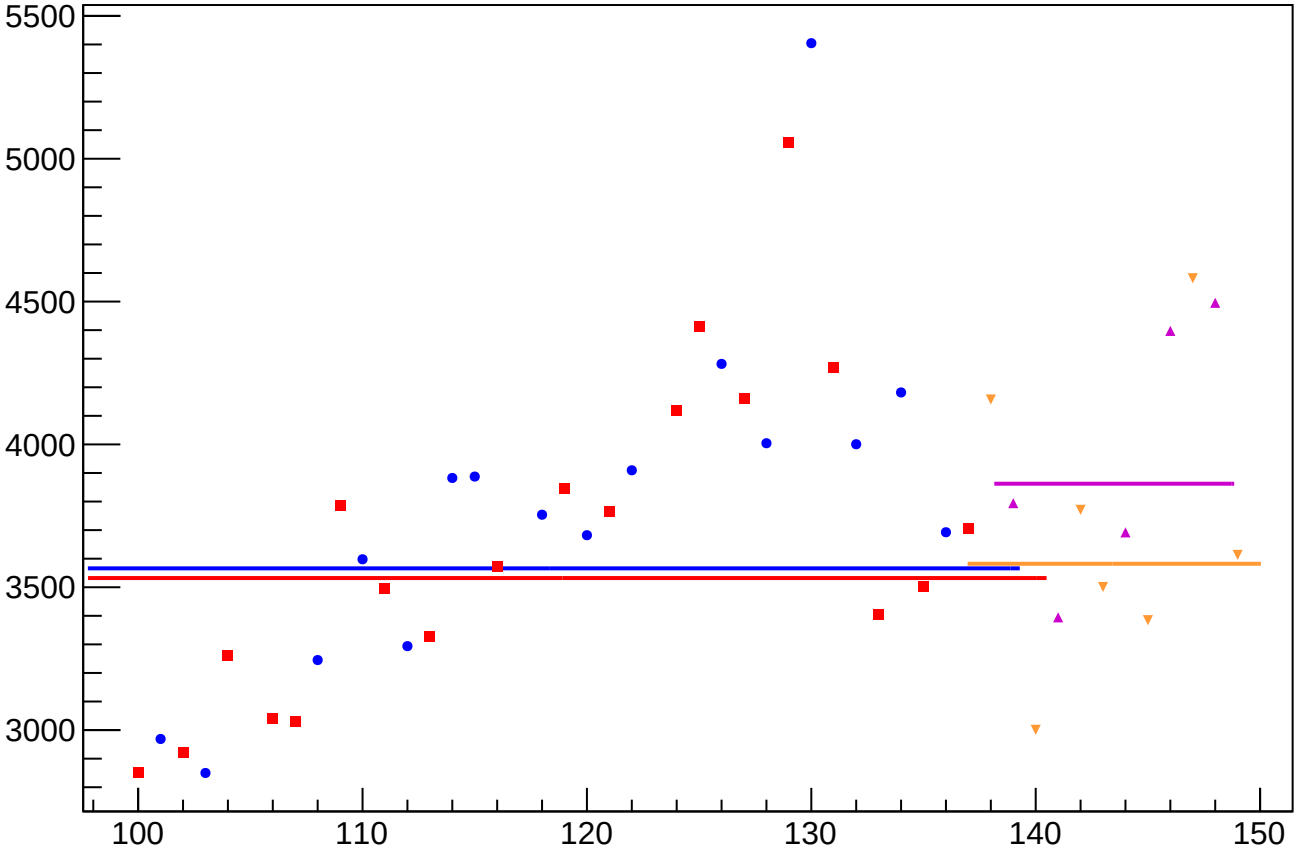
Left In: -4.630+/-1.871 χ^2/NDF:4.9/4

+ sign 0.349+/-1.022 χ^2/NDF: 26.7/22

All: -1.678+/-0.739 χ^2/NDF: 53.5/46

- 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: 3582.191+/-1.110 χ^2/NDF:178747.7/6

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

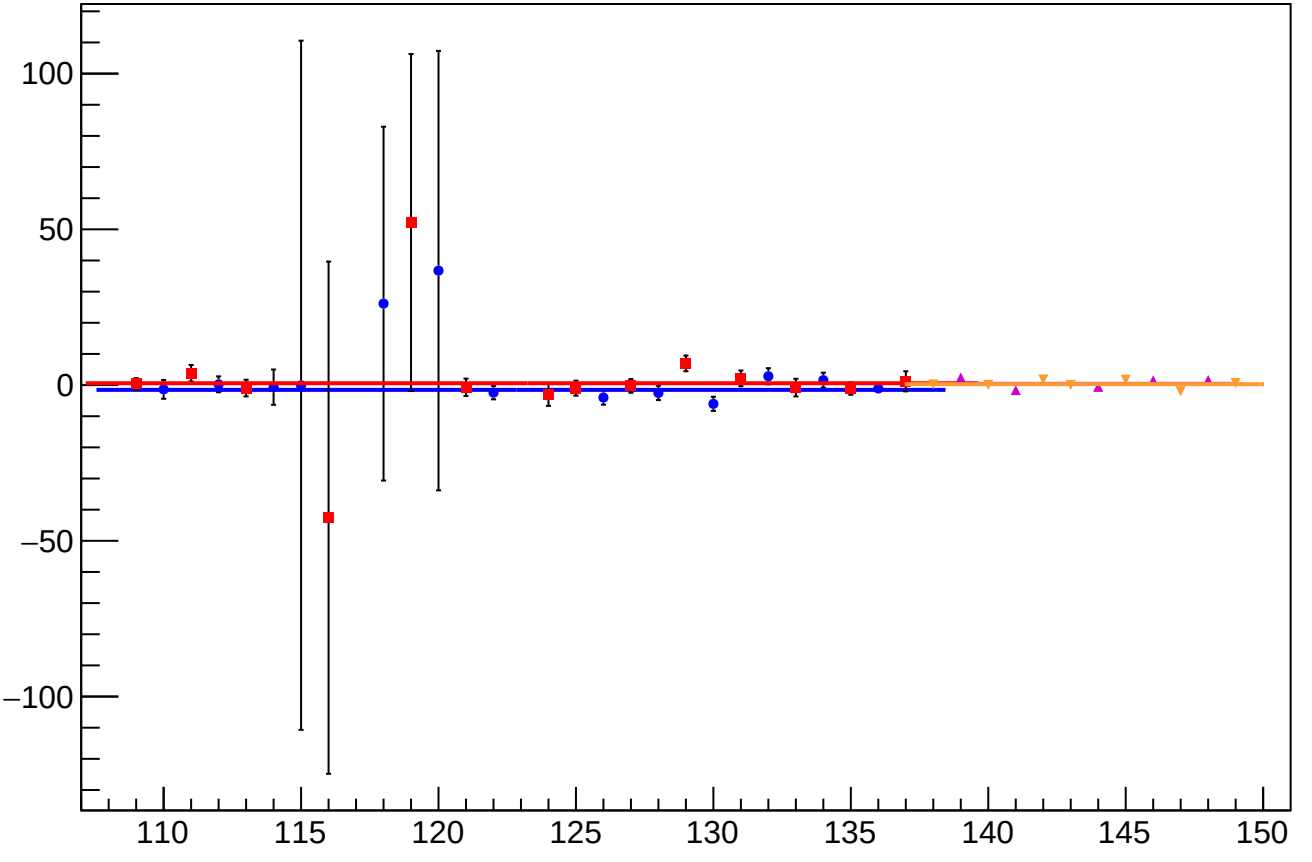
Left In: 3862.406+/-1.323 χ^2/NDF:96992.0/4

+ sign 3572.941+/-0.722 χ^2/NDF: 519973.5/22

All: 3605.016+/-0.522 χ^2/NDF: 941729.9/46

- 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: 0.304+/-0.438 χ^2/NDF:6.9/6

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

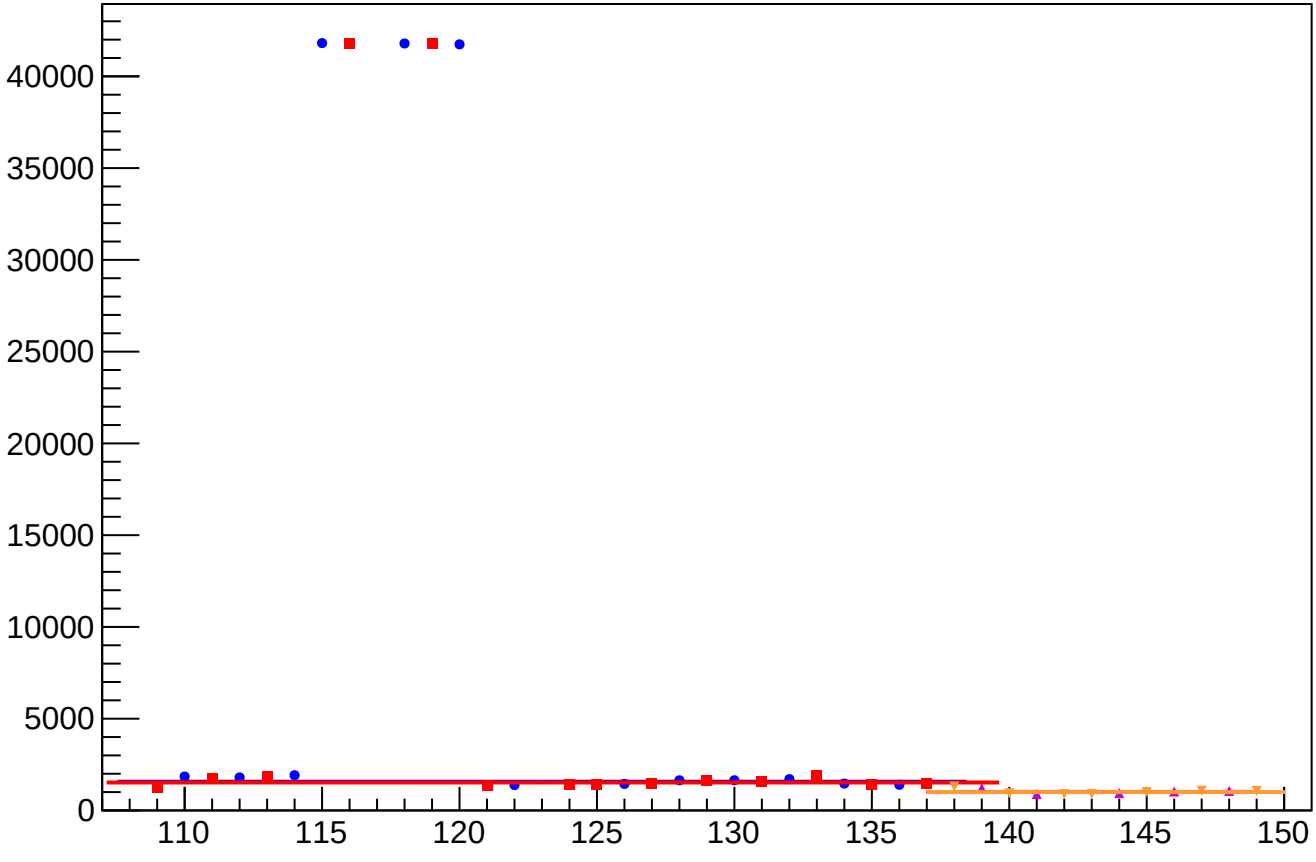
Left In: 0.381+/-0.487 χ^2/NDF:9.9/4

+ sign -0.179+/-0.376 χ^2/NDF: 22.6/19

All: 0.112+/-0.275 χ^2/NDF: 46.5/38

- 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: 1002.156+/-0.309 χ^2/NDF:133841.6/6

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

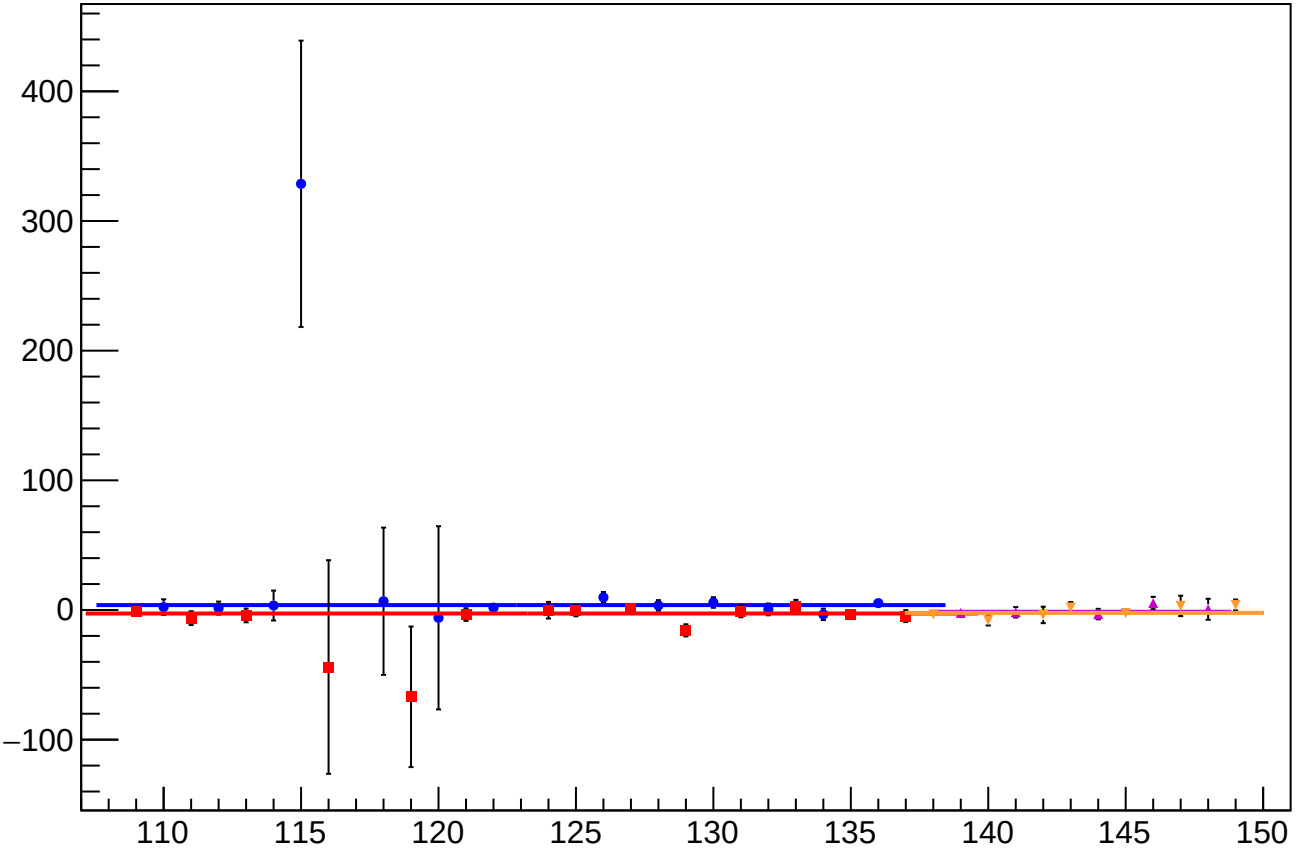
Left In: 1009.666+/-0.345 χ^2/NDF:88925.8/4

+ sign 1149.907+/-0.266 χ^2/NDF: 3018662.6/19

All: 1160.226+/-0.194 χ^2/NDF: 5553335.1/38

- 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: -2.241+/-1.373 χ^2/NDF:6.1/6

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

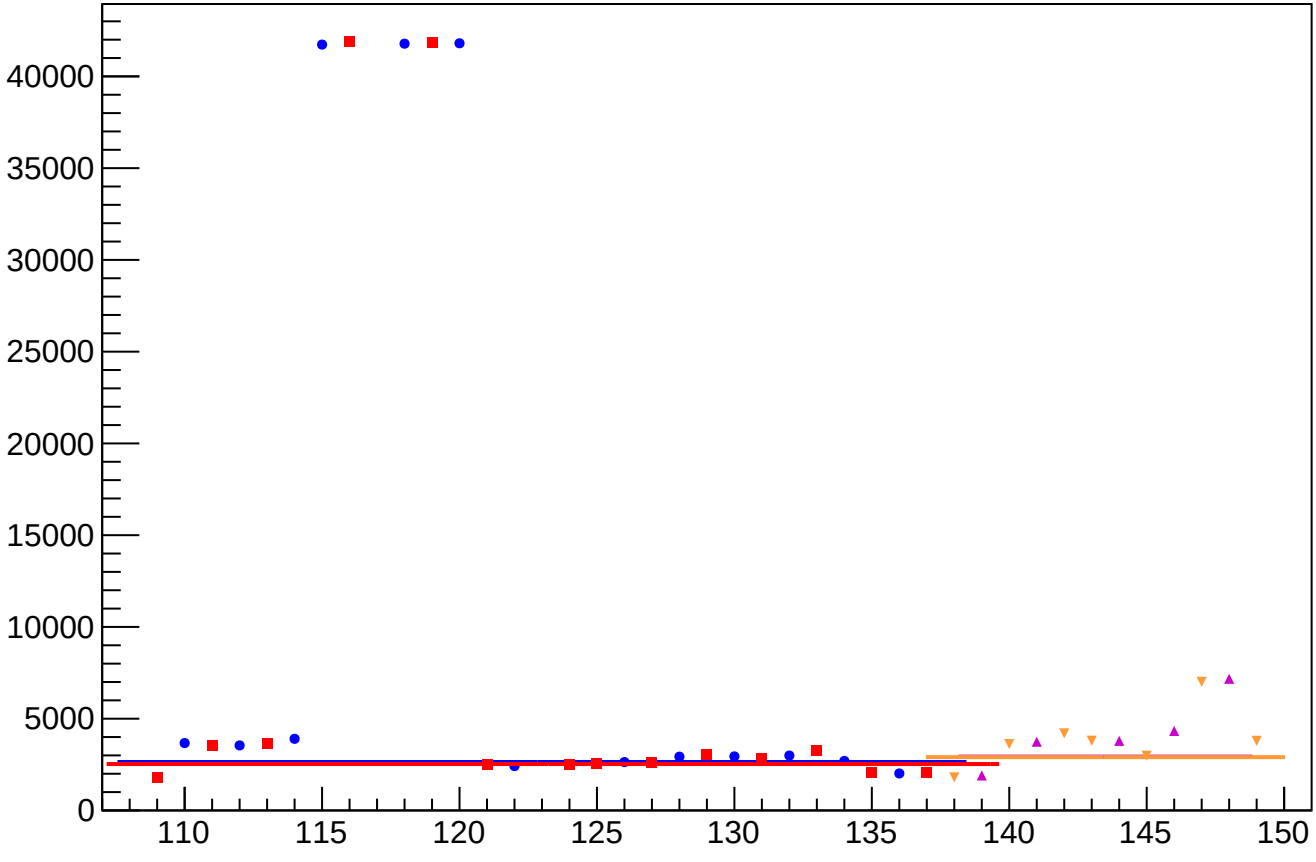
Left In: -1.379+/-1.569 χ^2/NDF:2.4/4

+ sign 1.053+/-0.924 χ^2/NDF: 31.7/19

All: -0.519+/-0.665 χ^2/NDF: 54.2/38

- 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: 2905.137+/-0.971 χ^2/NDF:1429234.7/6

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

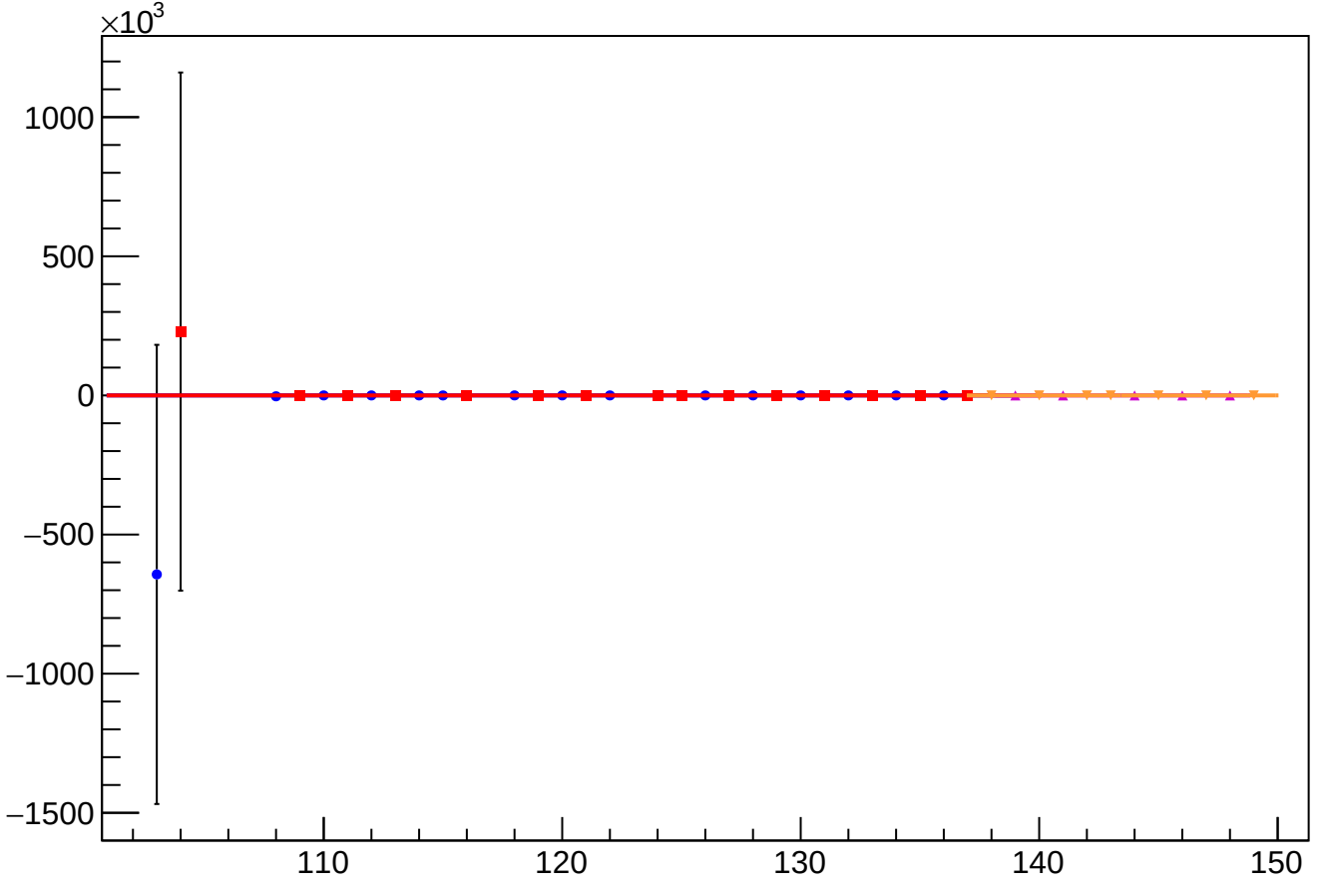
Left In: 2932.866+/-1.109 χ^2/NDF:1363341.2/4

+ sign 2759.981+/-0.653 χ^2/NDF: 3643485.7/19

All: 2721.388+/-0.470 χ^2/NDF: 7047071.7/38

- 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: -1.156+/-0.655 χ^2/NDF:15.3/6

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

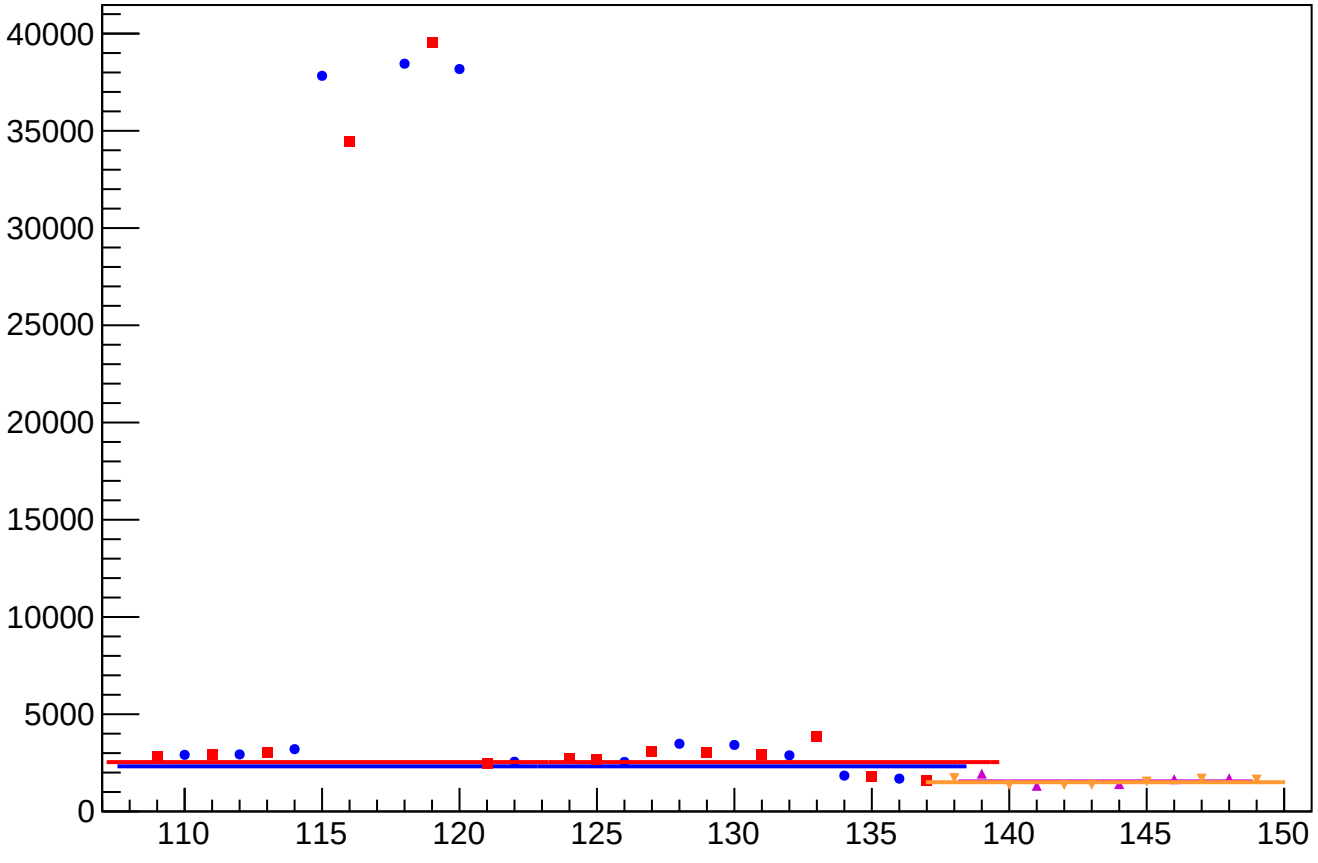
Left In: -0.659+/-0.749 χ^2/NDF:0.8/4

+ sign -1.171+/-0.566 χ^2/NDF: 34.1/21

All: -1.191+/-0.423 χ^2/NDF: 51.3/41

- 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: 1503.819+/-0.463 χ^2/NDF:96693.1/6

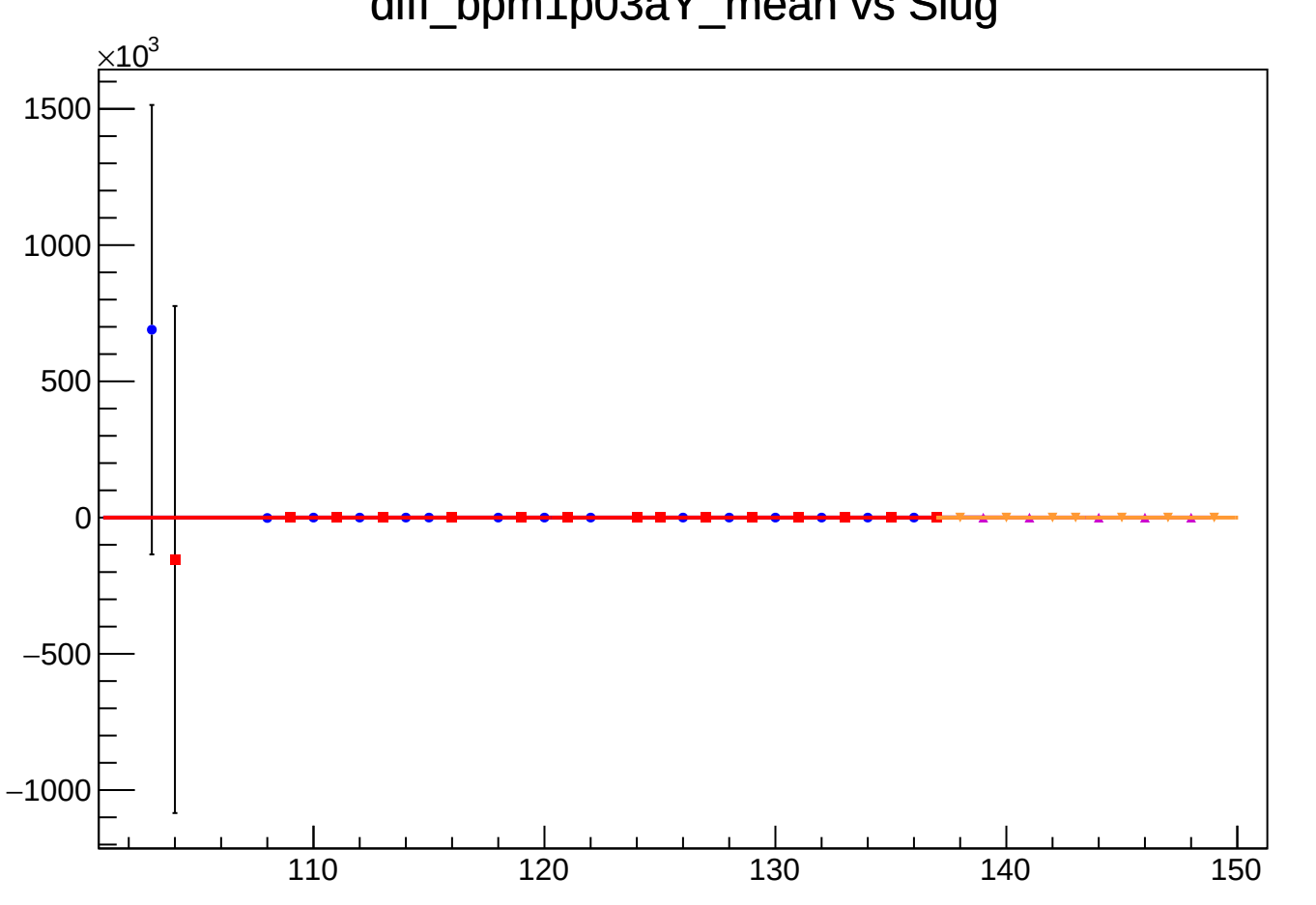
Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1546.134+/-0.530 χ^2/NDF:163132.2/4

+ sign 1710.606+/-0.400 χ^2/NDF: 3344737.7/19

All: 1759.116+/-0.299 χ^2/NDF: 6548681.3/38

- sign 1820.533+/-0.451 χ^2/NDF: 3170681.4/18



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.889+/-0.927 χ^2/NDF:9.0/6

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

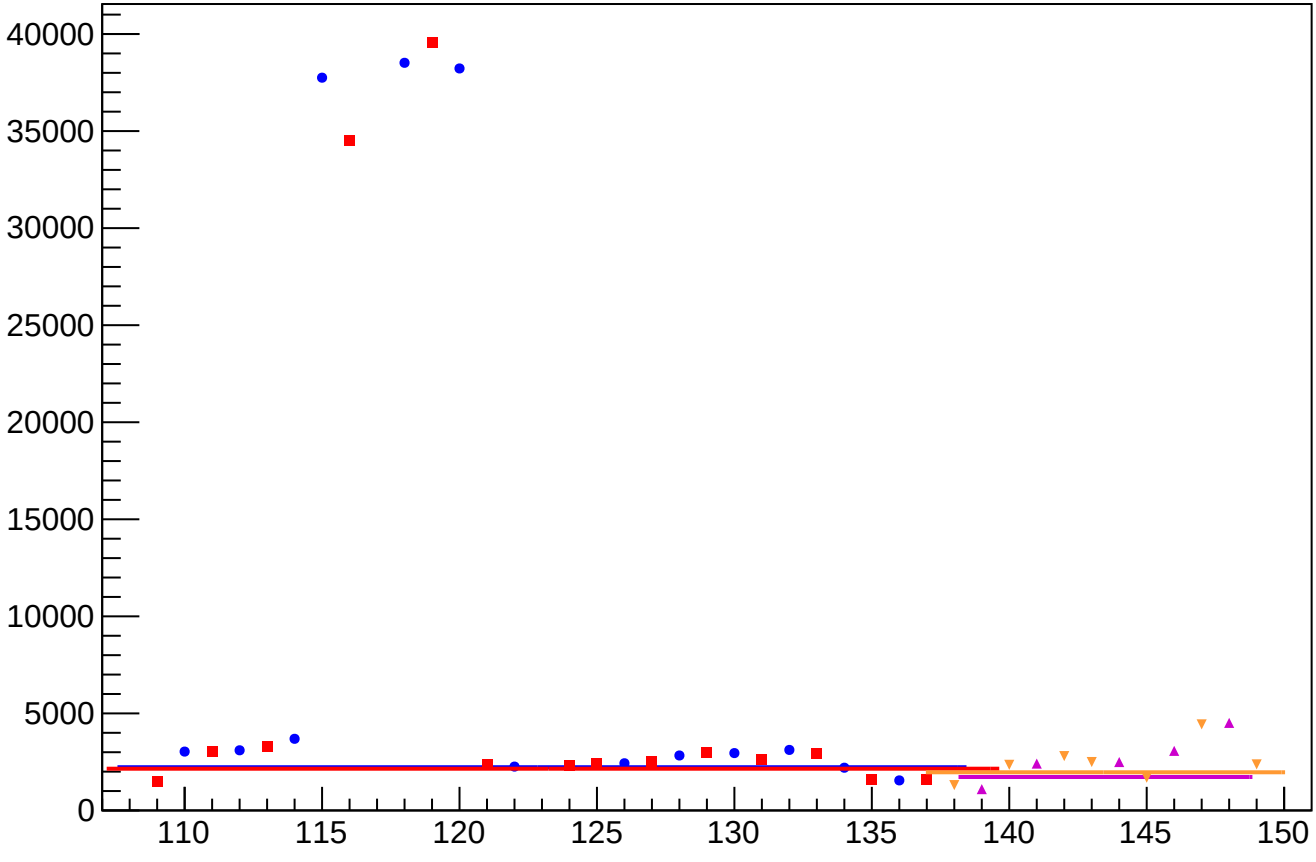
Left In: 0.477+/-0.946 χ^2/NDF:2.0/4

+ sign 0.216+/-0.702 χ^2/NDF: 17.4/21

All: -0.183+/-0.497 χ^2/NDF: 38.2/41

- 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: 1966.593+/-0.655 χ^2/NDF:1117857.1/6

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

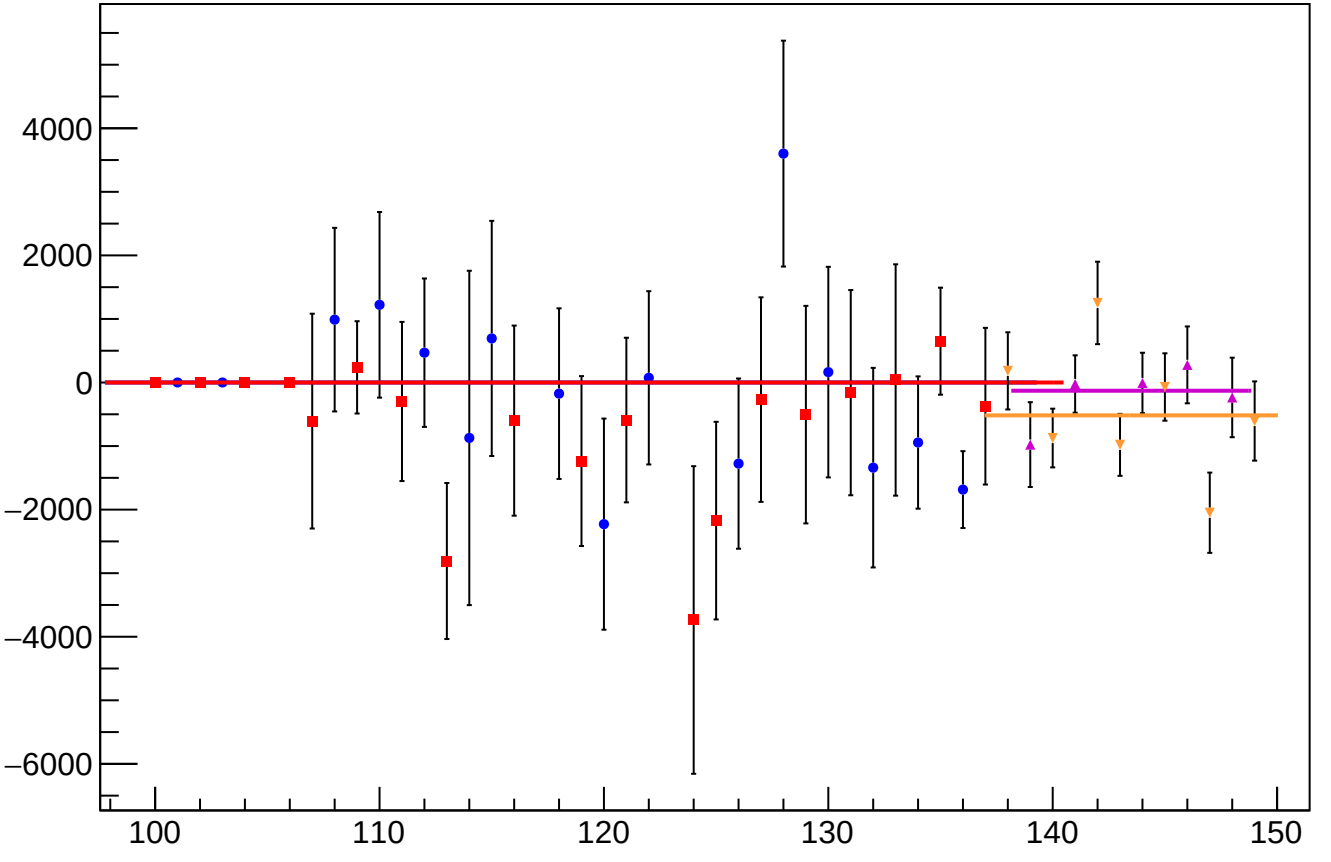
Left In: 1723.648+/-0.669 χ^2/NDF:1777787.1/4

+ sign 2077.432+/-0.497 χ^2/NDF: 3707337.7/19

All: 1996.217+/-0.351 χ^2/NDF: 7952383.6/38

- 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: -517.036+/-210.243 χ^2/NDF:16.9/6

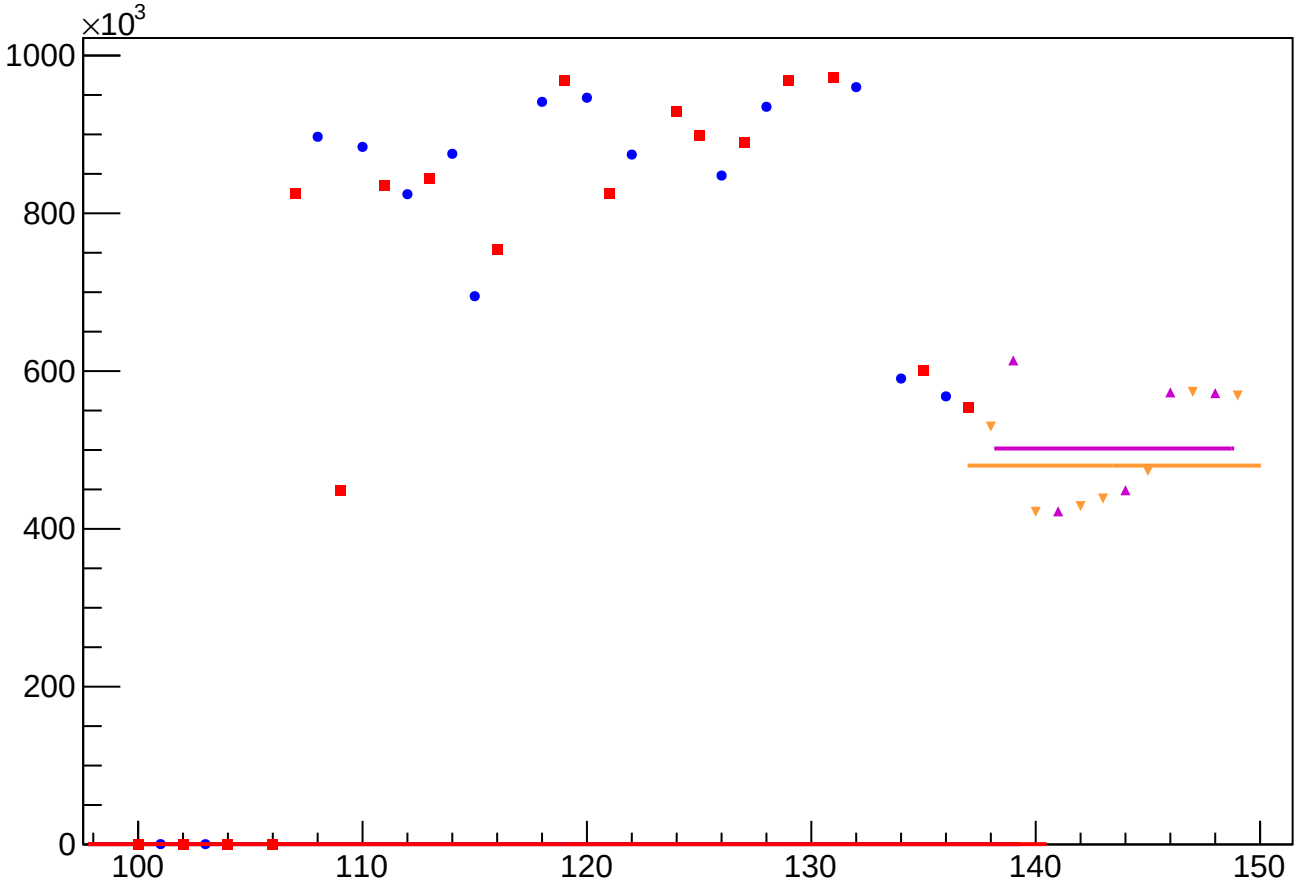
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -129.377+/-243.456 χ^2/NDF:2.2/4

+ sign 0.254+/-0.356 χ^2/NDF: 40.7/22

All: 0.168+/-0.241 χ^2/NDF: 58.7/46

- 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: 480233.369+/-148.664 χ^2/NDF:157318.3/6

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

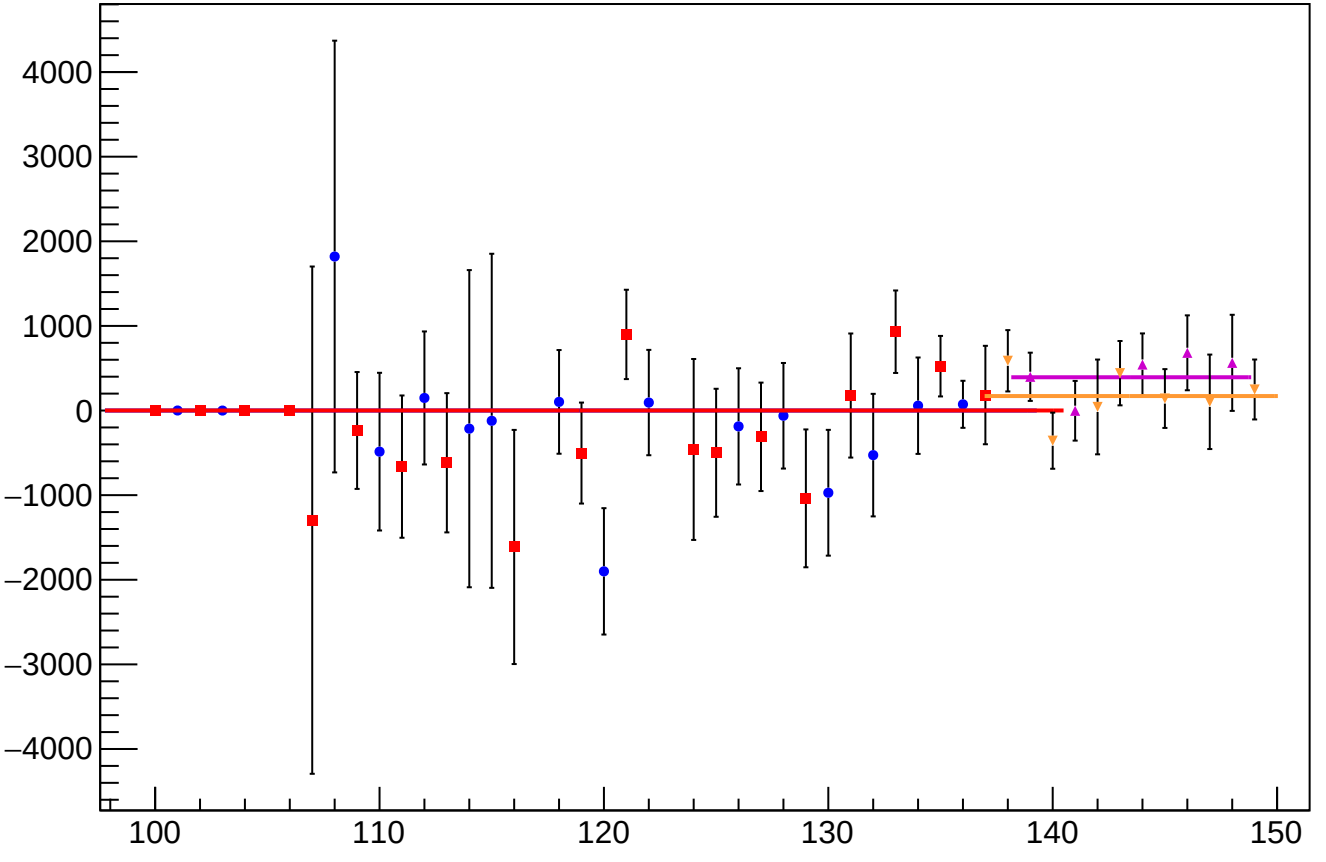
Left In: 501891.842+/-172.149 χ^2/NDF:195975.3/4

+ sign 400.254+/-0.251 χ^2/NDF: 19066774.6/21

All: 396.953+/-0.170 χ^2/NDF: 35398132.1/44

- 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: 171.032+/-146.999 χ^2/NDF:4.5/6

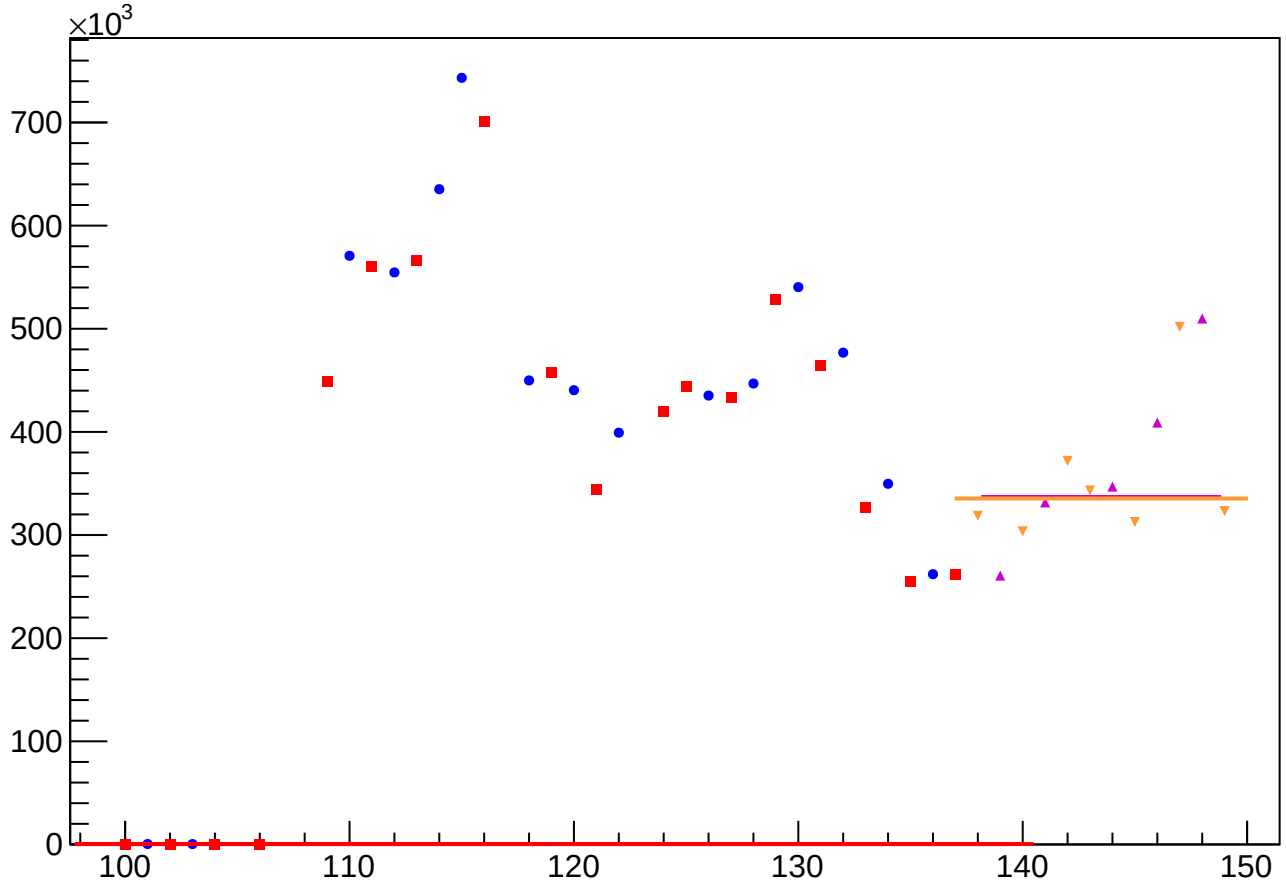
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 393.247+/-166.775 χ^2/NDF:1.9/4

+ sign -0.020+/-0.347 χ^2/NDF: 16.3/22

All: 0.312+/-0.237 χ^2/NDF: 40.5/46

- 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: 335419.400+/-103.944 χ^2/NDF:220761.9/6

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

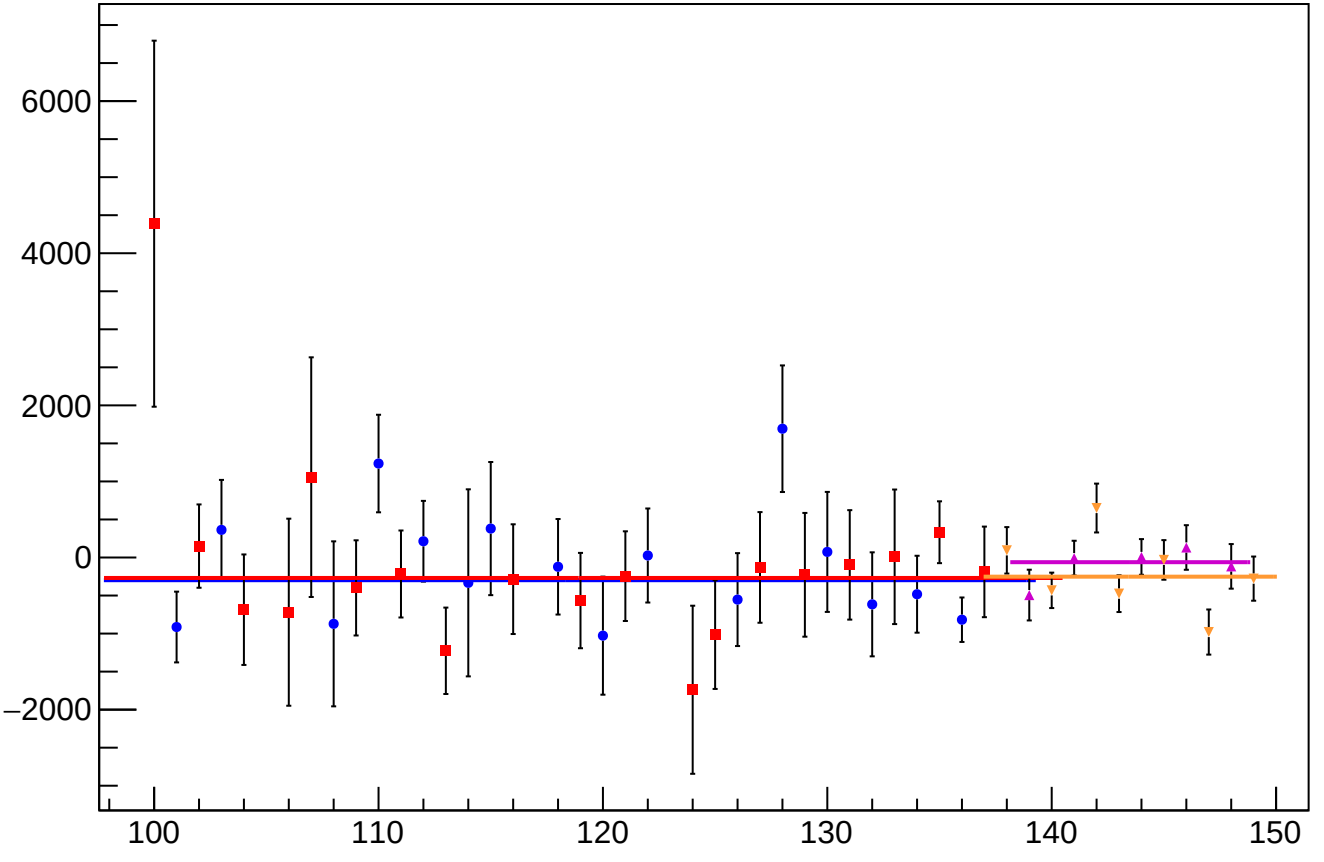
Left In: 336862.425+/-117.953 χ^2/NDF:383647.1/4

+ sign 392.144+/-0.245 χ^2/NDF: 21741803.7/21

All: 390.598+/-0.167 χ^2/NDF: 41337243.1/44

- 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: -251.874+/-103.175 χ^2/NDF:17.4/6

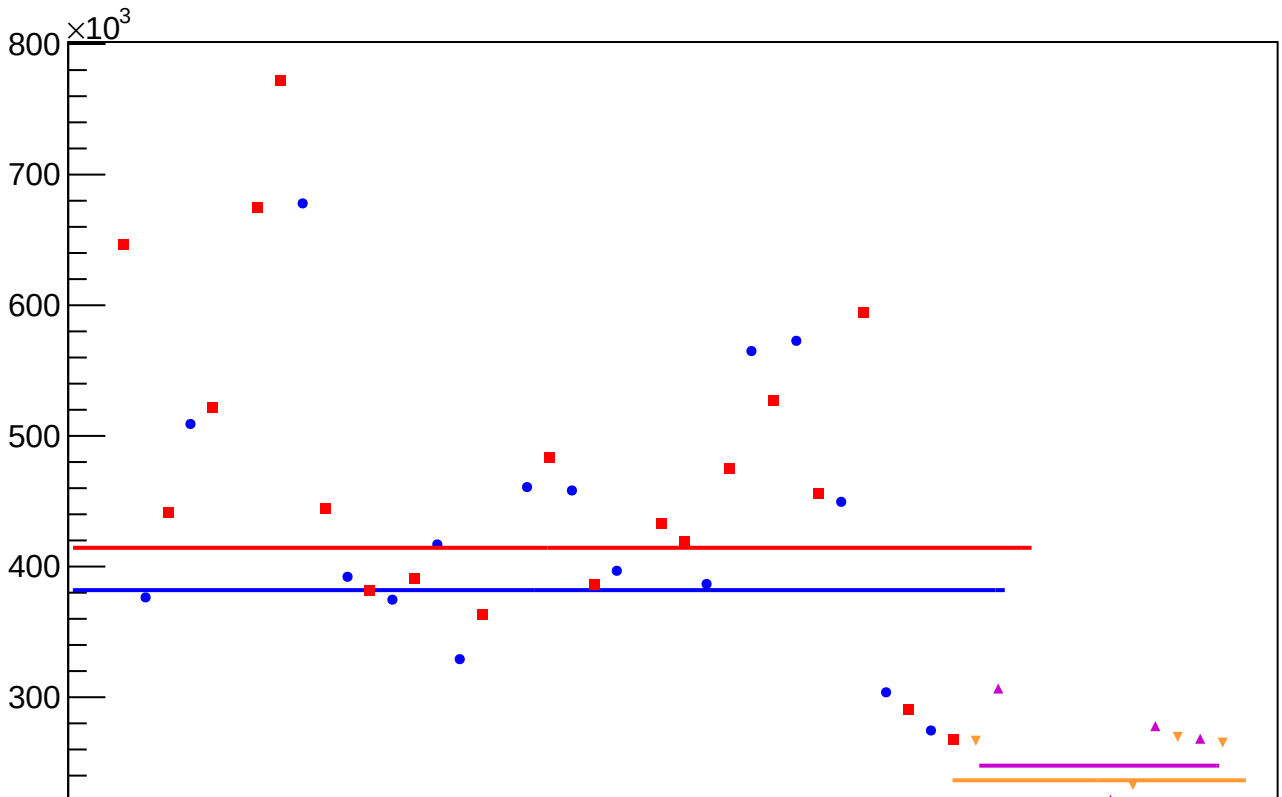
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -61.510+/-119.838 χ^2/NDF:2.3/4

+ sign -267.133+/-84.520 χ^2/NDF: 38.6/22

All: -210.240+/-63.194 χ^2/NDF: 56.9/46

- 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: 236400.753+/-72.956 χ^2/NDF:108693.0/6

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

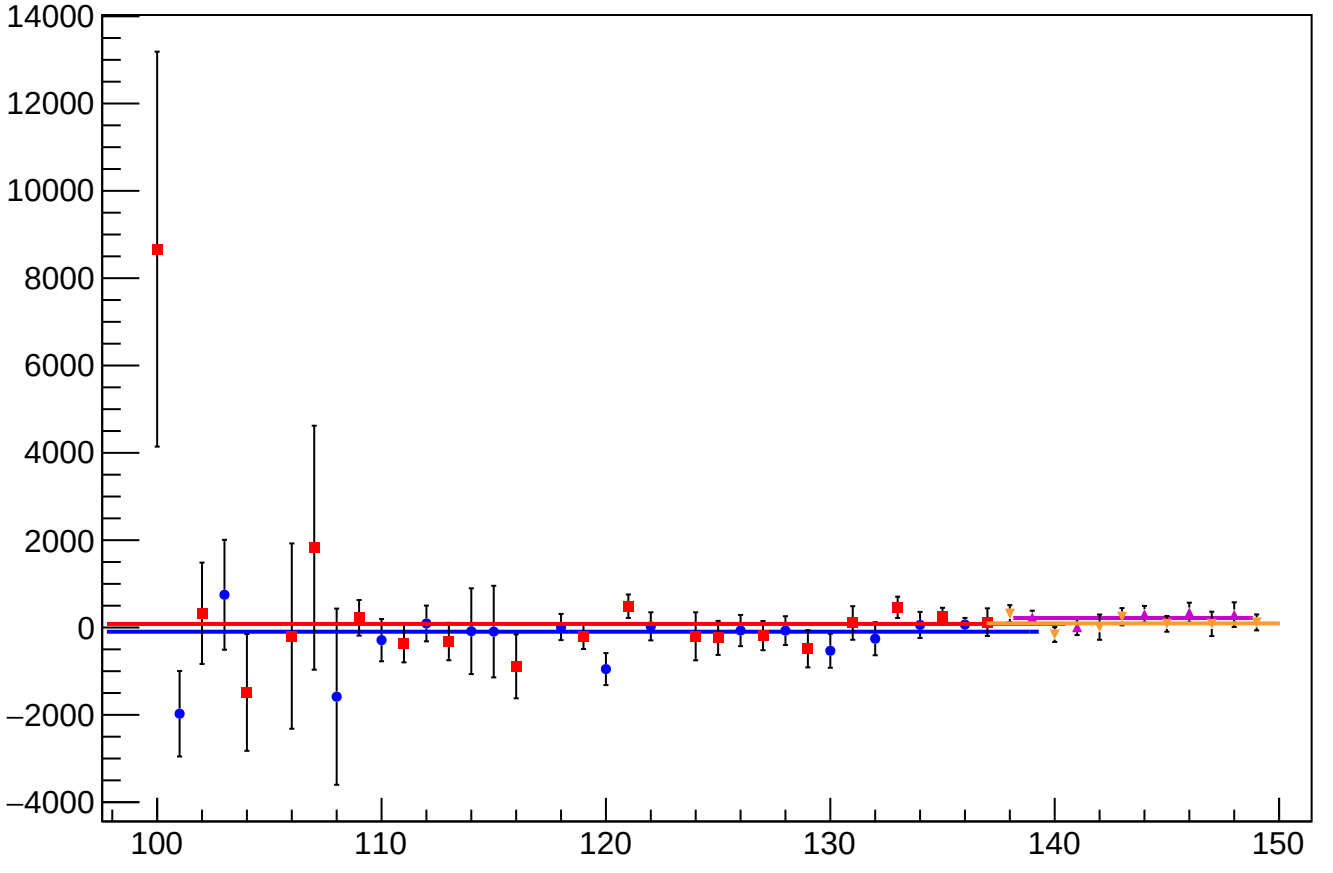
Left In: 247621.833+/-84.738 χ^2/NDF:162603.3/4

+ sign 284269.300+/-59.768 χ^2/NDF: 2254221.2/22

All: 295261.709+/-44.689 χ^2/NDF: 4683628.

- 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: 95.023+/-76.173 χ^2/NDF:4.2/6

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

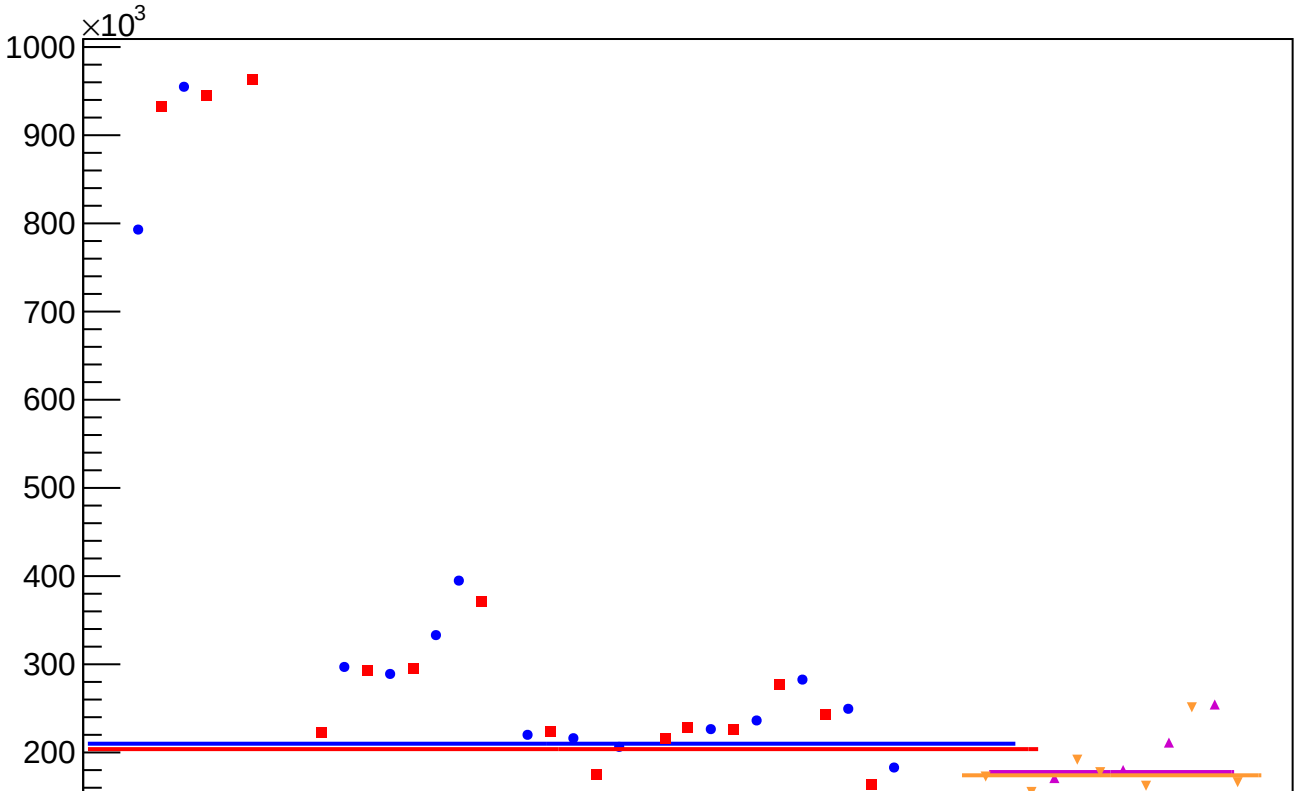
Left In: 217.785+/-87.416 χ^2/NDF:1.9/4

+ sign 13.549+/-57.668 χ^2/NDF: 20.6/22

All: 77.174+/-42.155 χ^2/NDF: 45.4/46

- 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: 174106.337+/-53.863 χ^2/NDF:198024.3/6

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

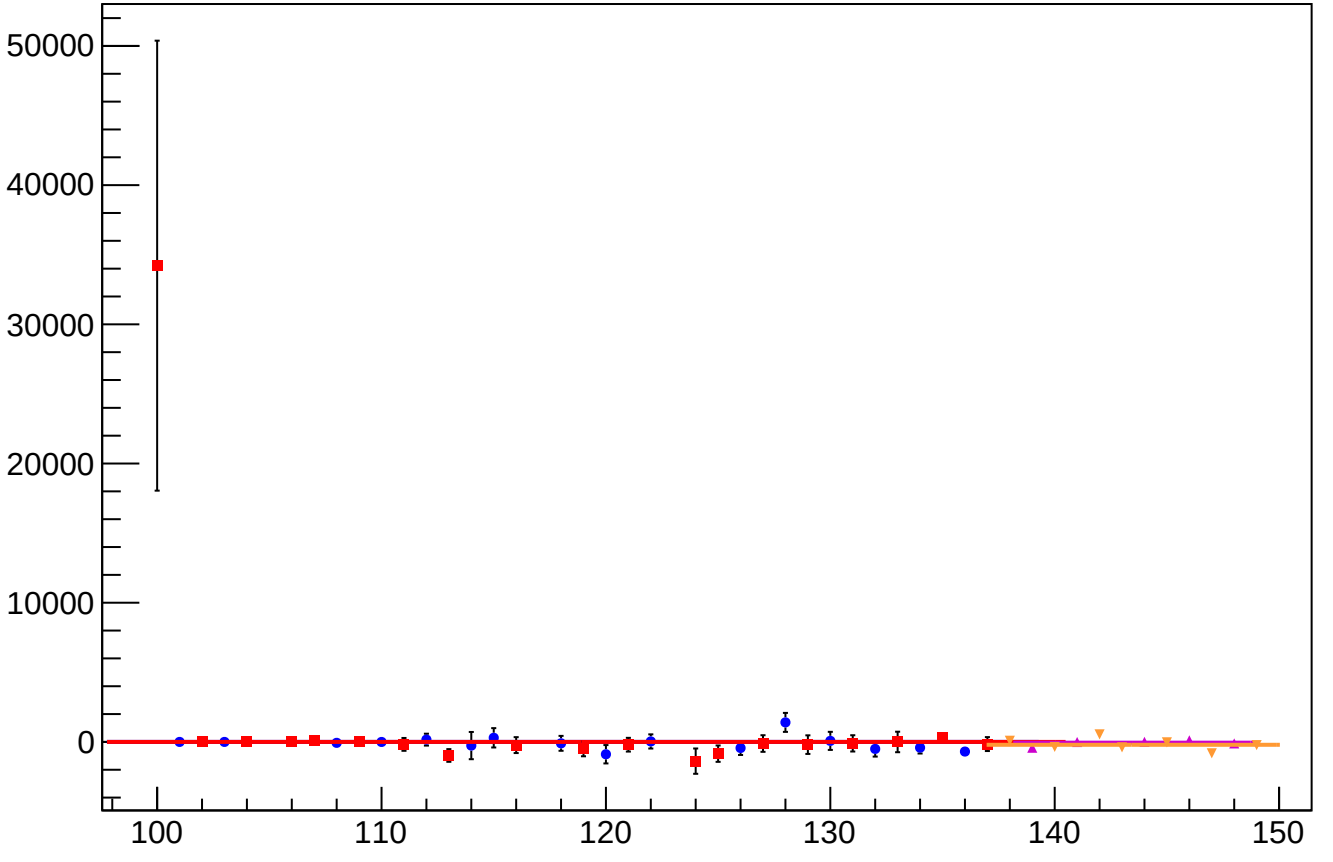
Left In: 177809.722+/-61.813 χ^2/NDF:297378.1/4

+ sign 189366.876+/-40.808 χ^2/NDF: 2346354.3/21

All: 190026.552+/-29.837 χ^2/NDF: 4803006.

- 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: -207.063+/-86.088 χ^2/NDF:17.4/6

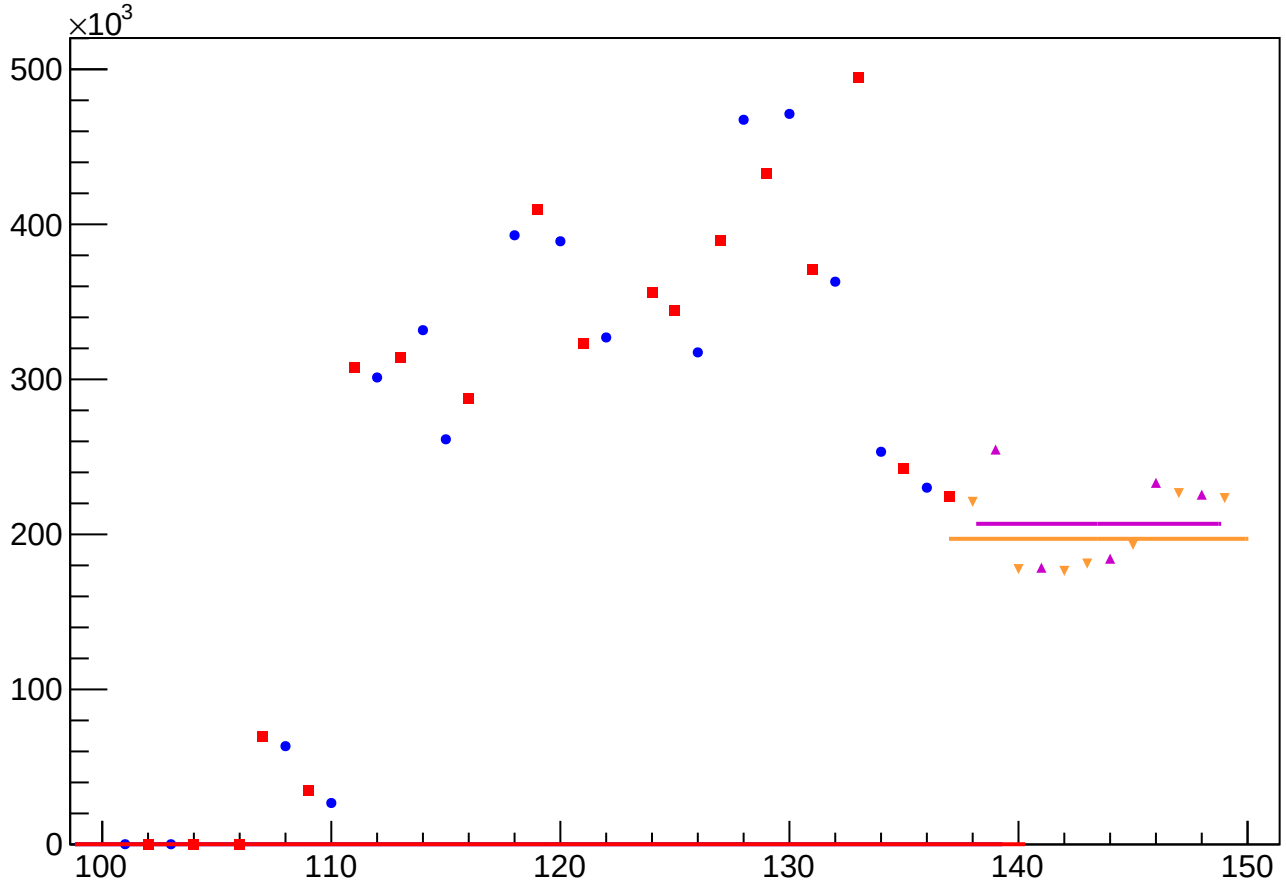
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -53.882+/-100.112 χ^2/NDF:2.4/4

+ sign -0.036+/-0.172 χ^2/NDF: 41.3/22

All: -0.207+/-0.117 χ^2/NDF: 62.3/46

- 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: 197150.439+/-60.873 χ^2/NDF:114178.7/6

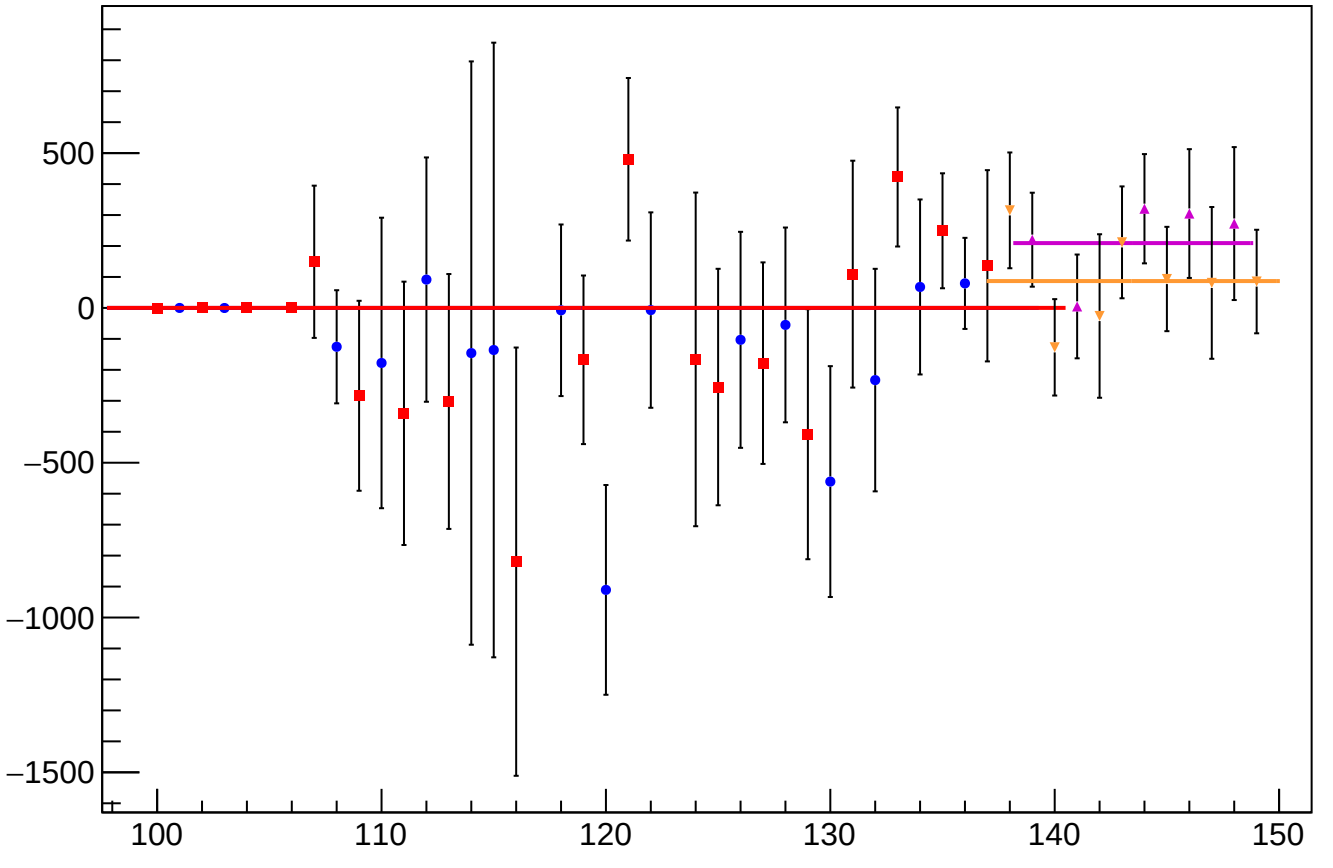
Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 206827.936+/-70.790 χ^2/NDF:165263.1/4

+ sign 149.881+/-0.122 χ^2/NDF: 21889385.8/22

All: 149.895+/-0.083 χ^2/NDF: 41867375.8/45

- 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: 86.743+/-70.278 χ^2/NDF:4.0/6

Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

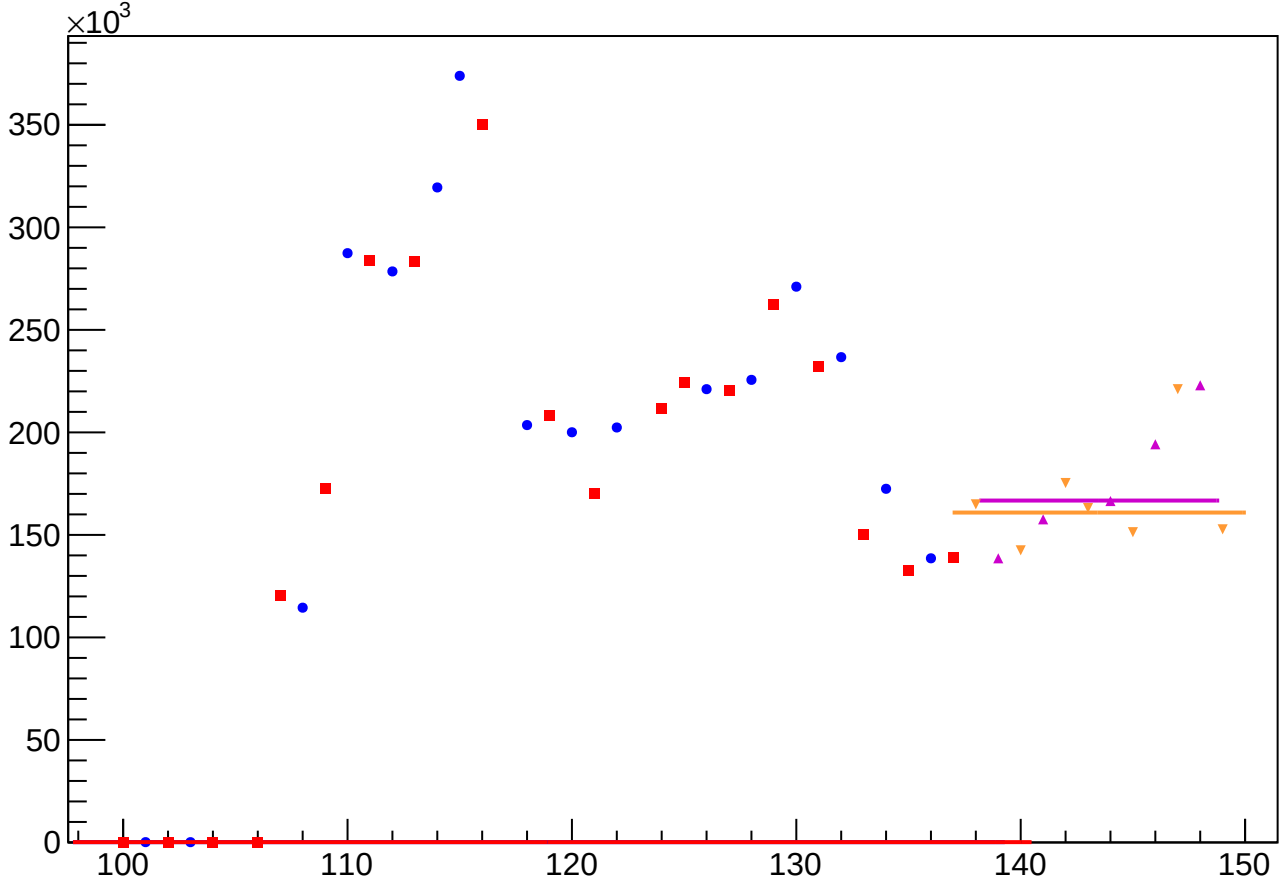
Left In: 209.385+/-81.481 χ^2/NDF:2.2/4

+ sign -0.068+/-0.177 χ^2/NDF: 16.8/22

All: 0.036+/-0.121 χ^2/NDF: 41.4/46

- sign 0.127+/-0.166 χ^2/NDF: 24.0/23

diff_cav4dY_rms vs Slug



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 160902.285+/-49.694 χ^2/NDF:166953.3/6

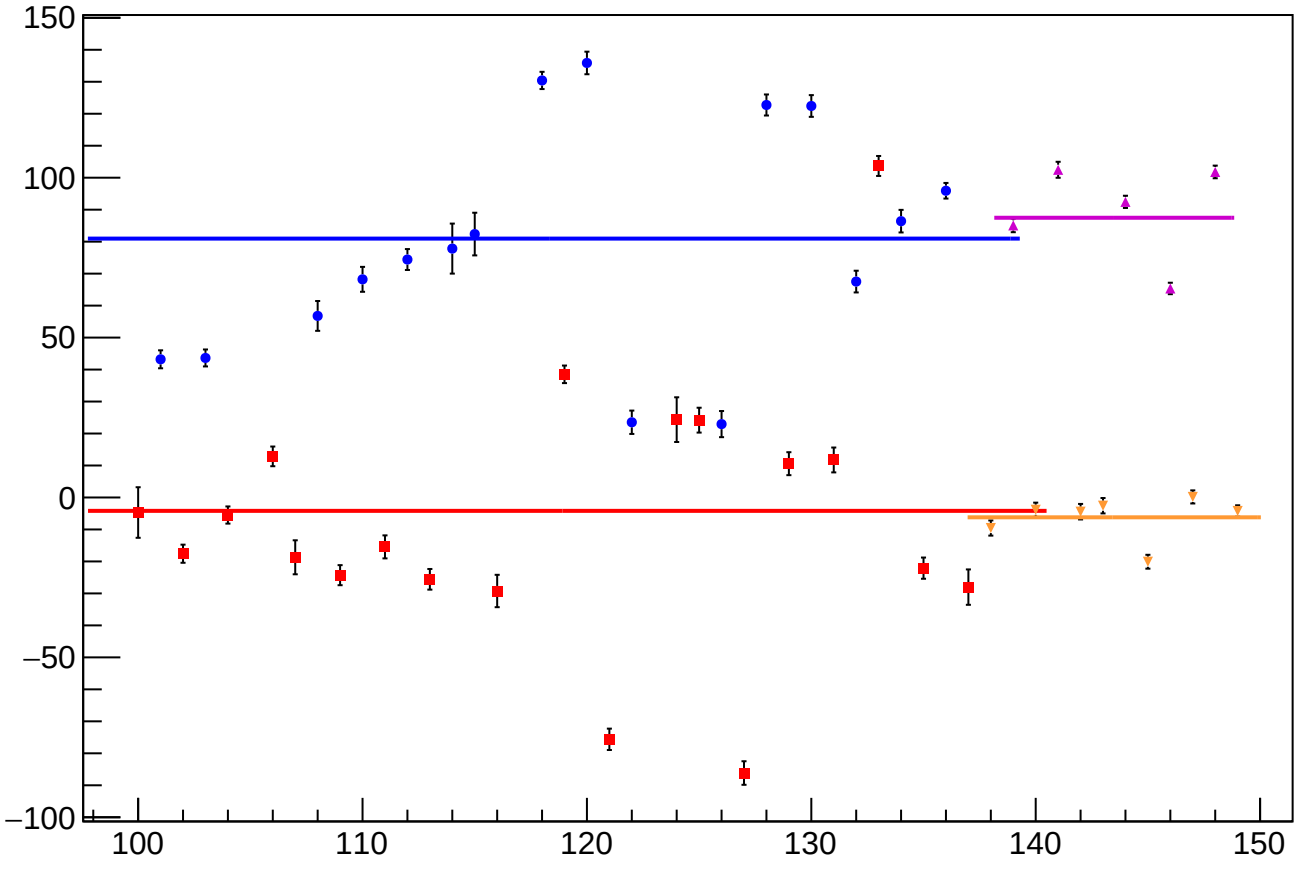
Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 166754.215+/-57.616 χ^2/NDF:213271.7/4

+ sign 154.482+/-0.125 χ^2/NDF: 22535390.4/22

All: 155.742+/-0.086 χ^2/NDF: 42440691.1/46

- sign 156.853+/-0.118 χ^2/NDF: 19905110.6/23



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -6.203+/-0.820 χ^2/NDF:57.8/6

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

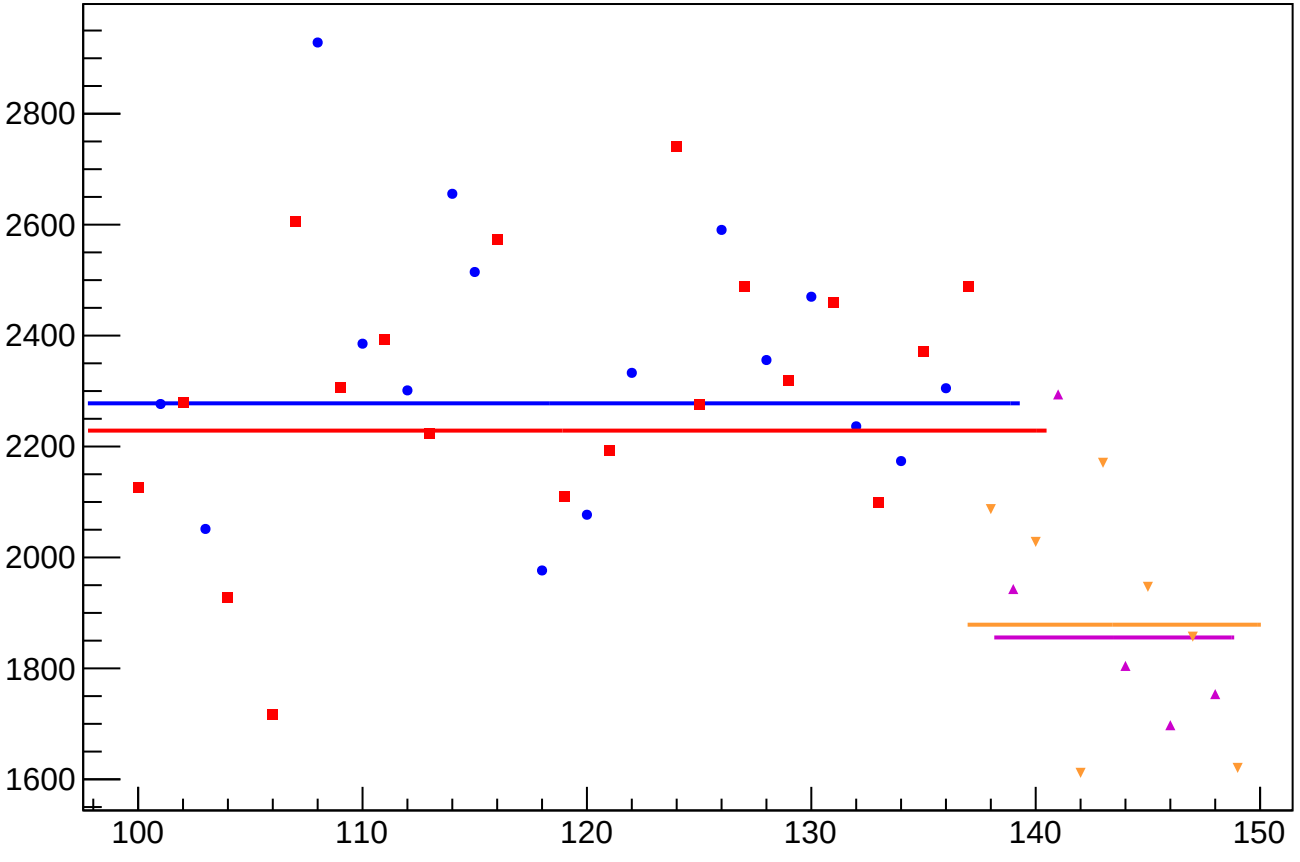
Left In: 87.471+/-0.905 χ^2/NDF:248.7/4

+ sign 35.726+/-0.591 χ^2/NDF: 7309.2/22

All: 36.411+/-0.424 χ^2/NDF: 15911.1/46

- sign 37.136+/-0.608 χ^2/NDF: 8599.1/23

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1878.770+/-0.580 χ^2/NDF:122352.9/6

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

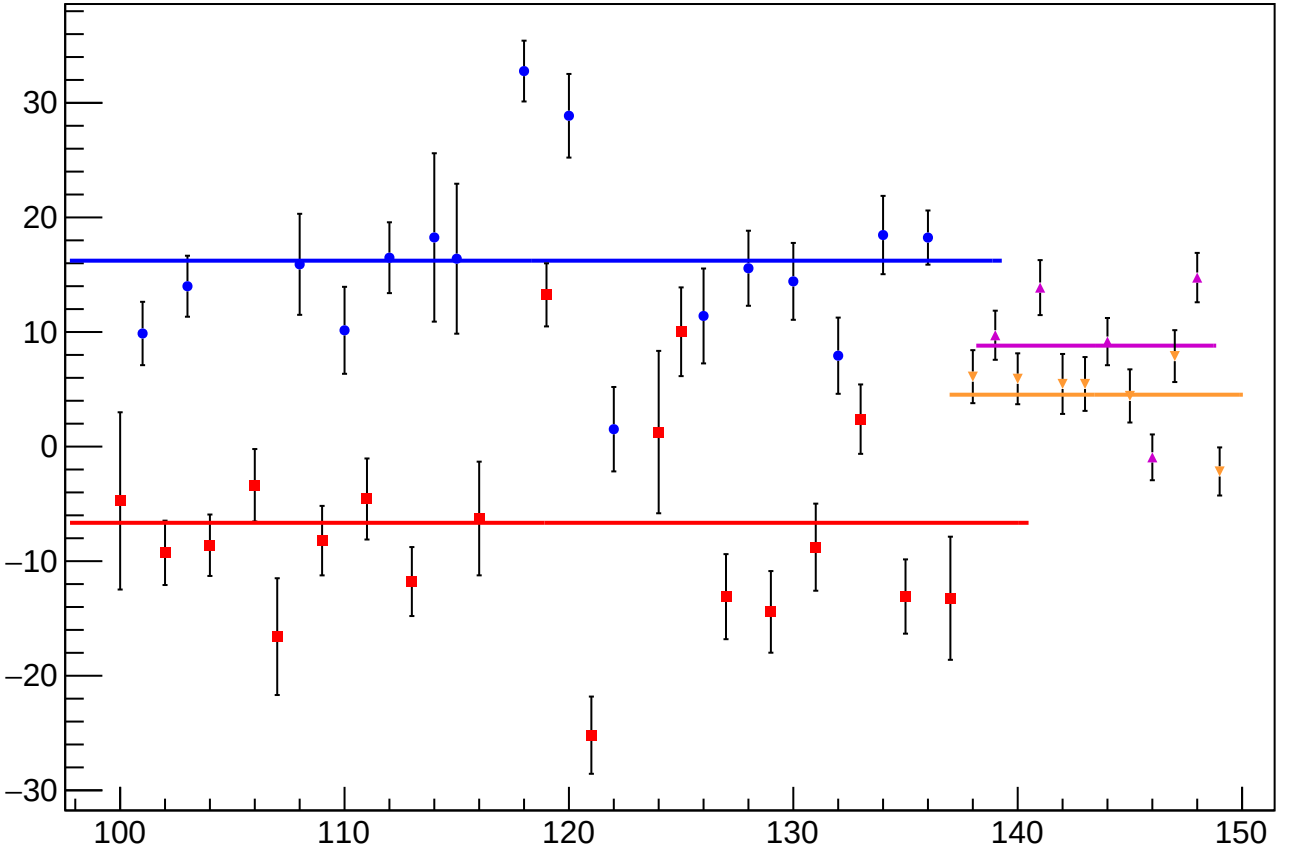
Left In: 1855.741+/-0.640 χ^2/NDF:87139.3/4

+ sign 2070.764+/-0.418 χ^2/NDF: 466145.0/22

All: 2065.809+/-0.299 χ^2/NDF: 891168.6/46

- 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: 4.530+/-0.869 χ^2/NDF:13.5/6

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

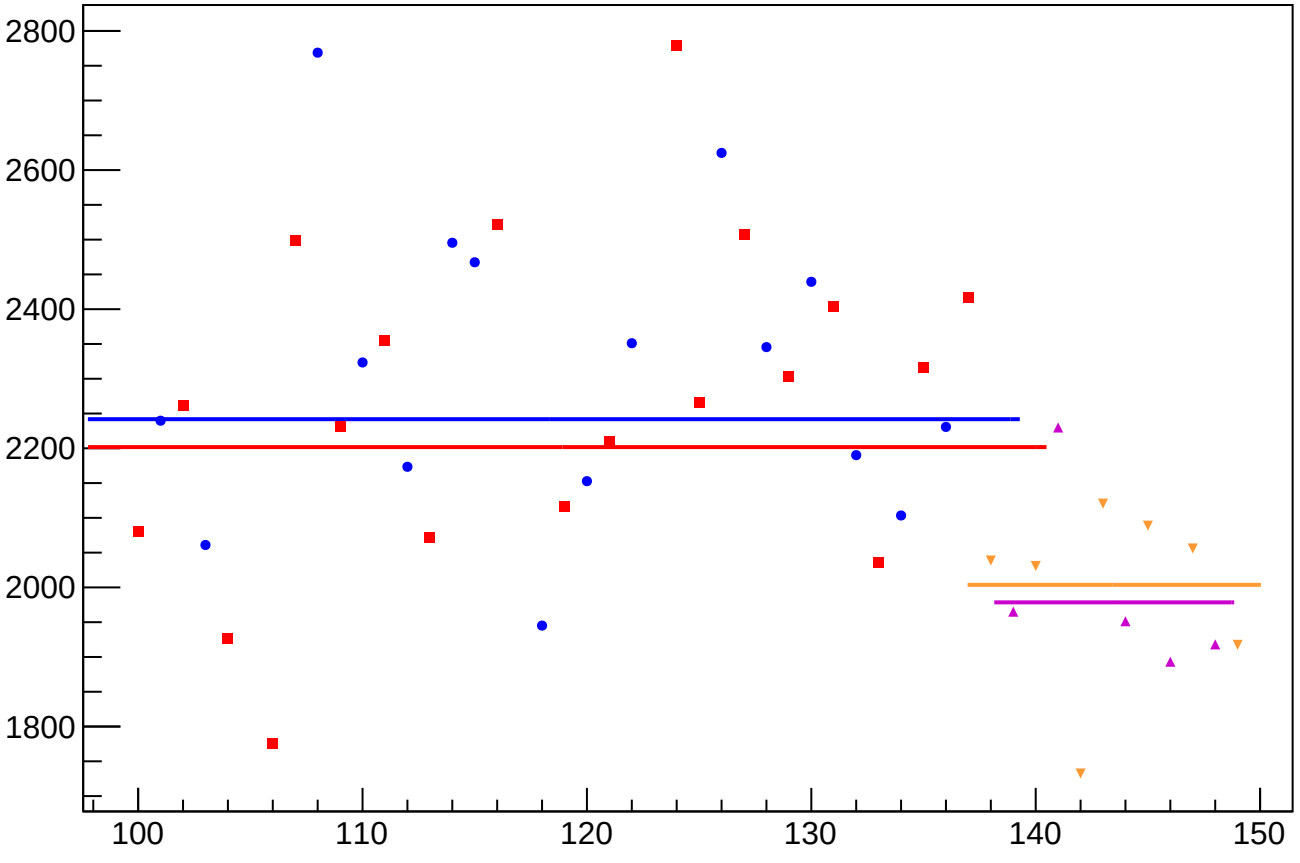
Left In: 8.810+/-0.957 χ^2/NDF:36.1/4

+ sign 10.592+/-0.603 χ^2/NDF: 192.0/22

All: 5.326+/-0.432 χ^2/NDF: 671.2/46

- 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: 2003.700+/-0.614 χ^2/NDF:34316.2/6

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

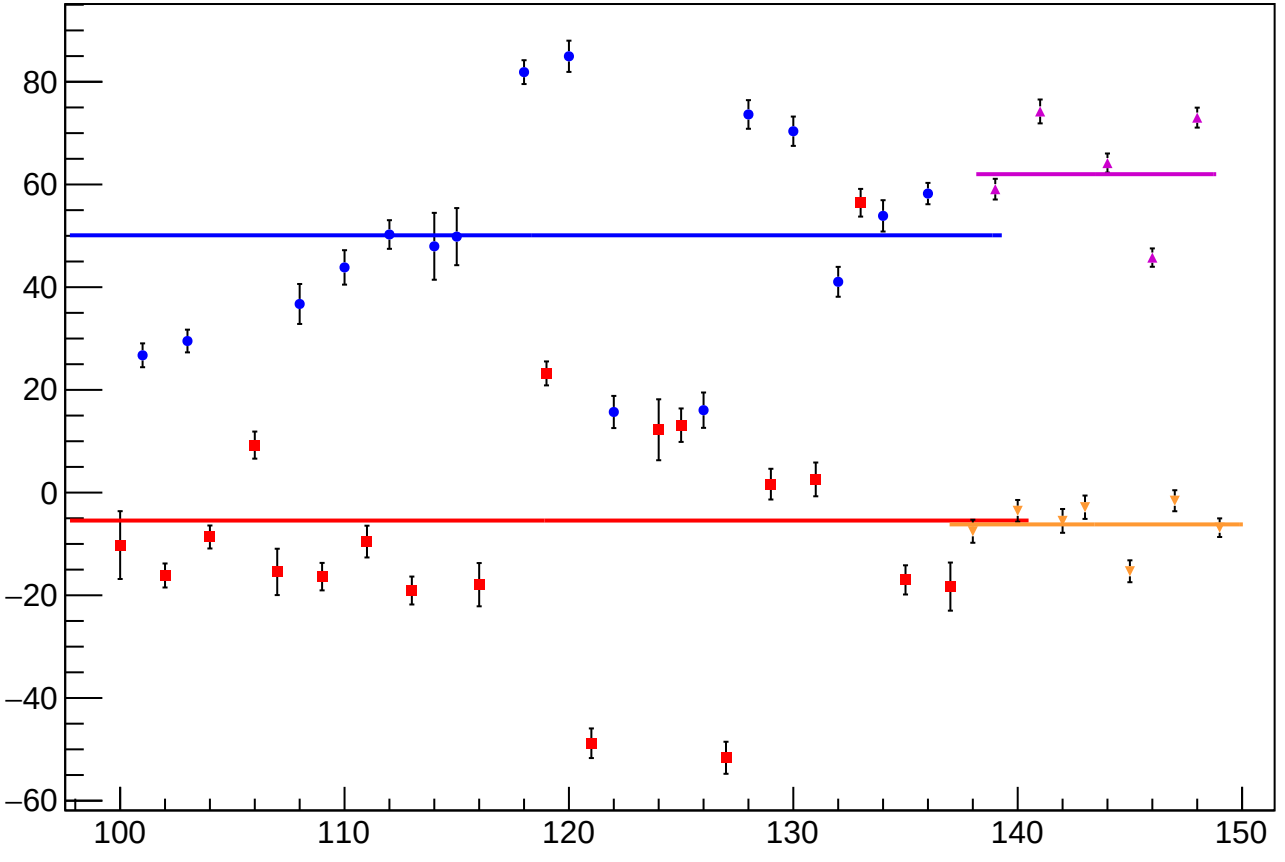
Left In: 1978.516+/-0.676 χ^2/NDF:27587.8/4

+ sign 2127.141+/-0.426 χ^2/NDF: 214455.6/22

All: 2118.109+/-0.305 χ^2/NDF: 436313.3/46

- 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: -6.195+/-0.799 χ^2/NDF:27.7/6

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

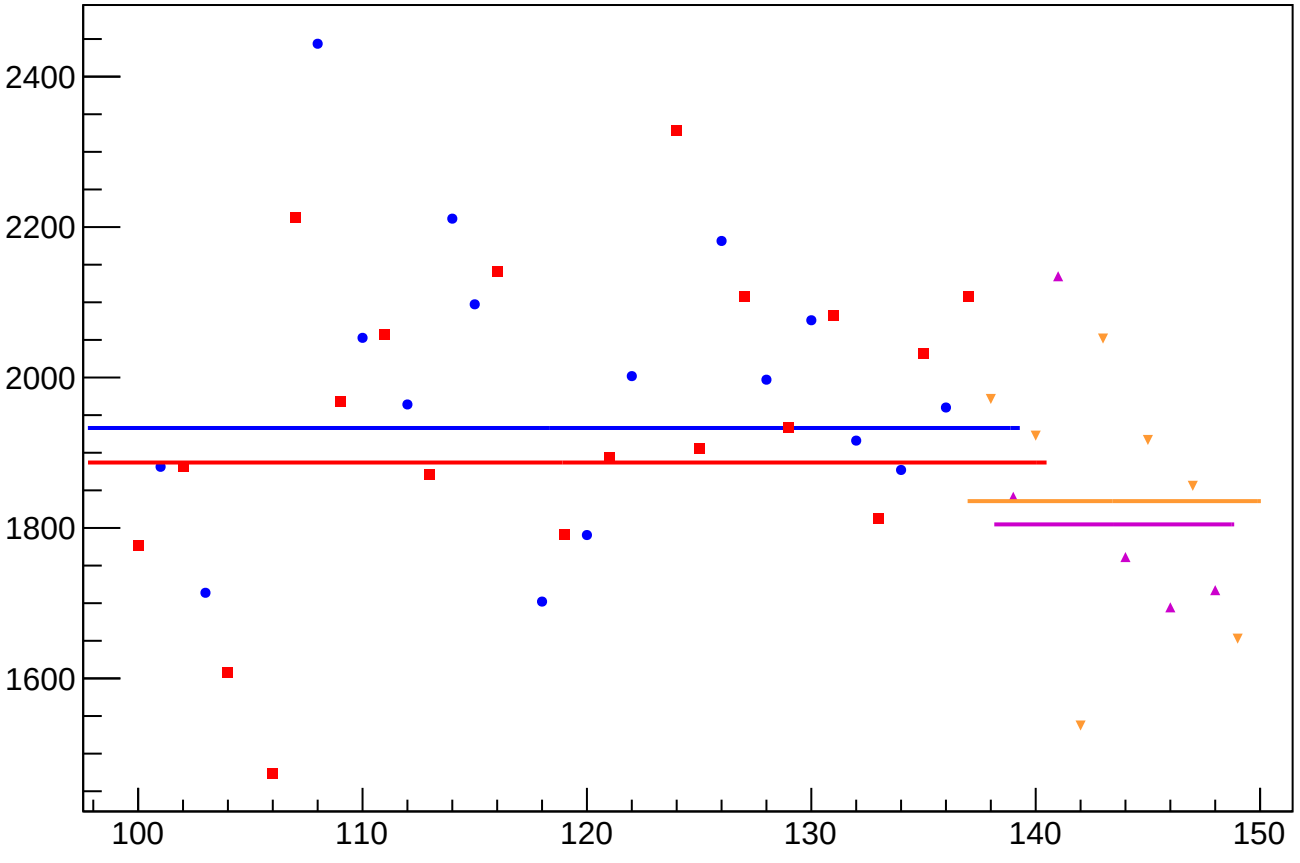
Left In: 62.005+/-0.878 χ^2/NDF:145.6/4

+ sign 24.796+/-0.536 χ^2/NDF: 3648.2/22

All: 22.679+/-0.382 χ^2/NDF: 8766.3/46

- sign 20.491+/-0.545 χ^2/NDF: 5086.3/23

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1835.684+/-0.565 χ^2/NDF:85366.6/6

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

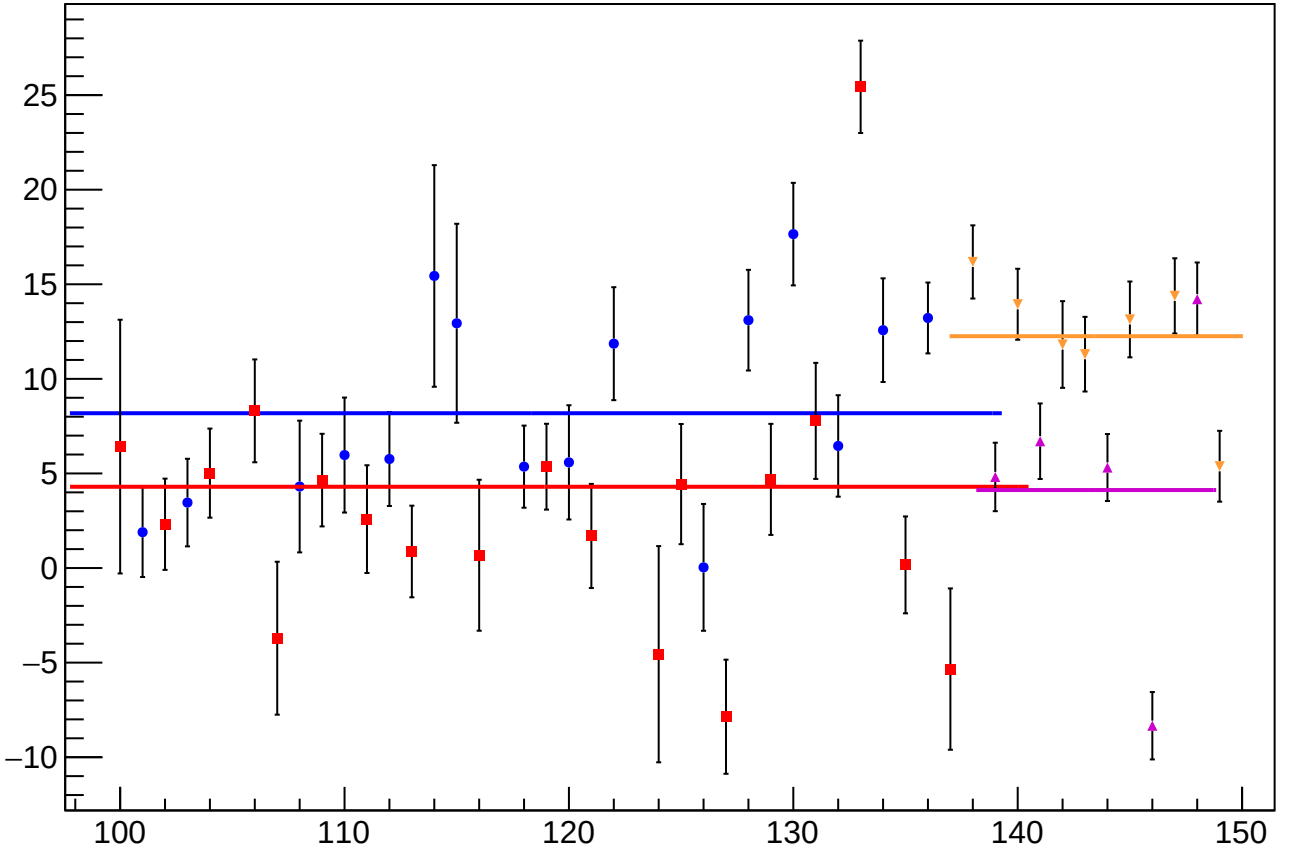
Left In: 1804.748+/-0.621 χ^2/NDF:53657.9/4

+ sign 1889.203+/-0.379 χ^2/NDF: 207629.1/22

All: 1872.568+/-0.270 χ^2/NDF: 425749.0/46

- 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: 12.255+/-0.748 χ^2/NDF:20.0/6

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

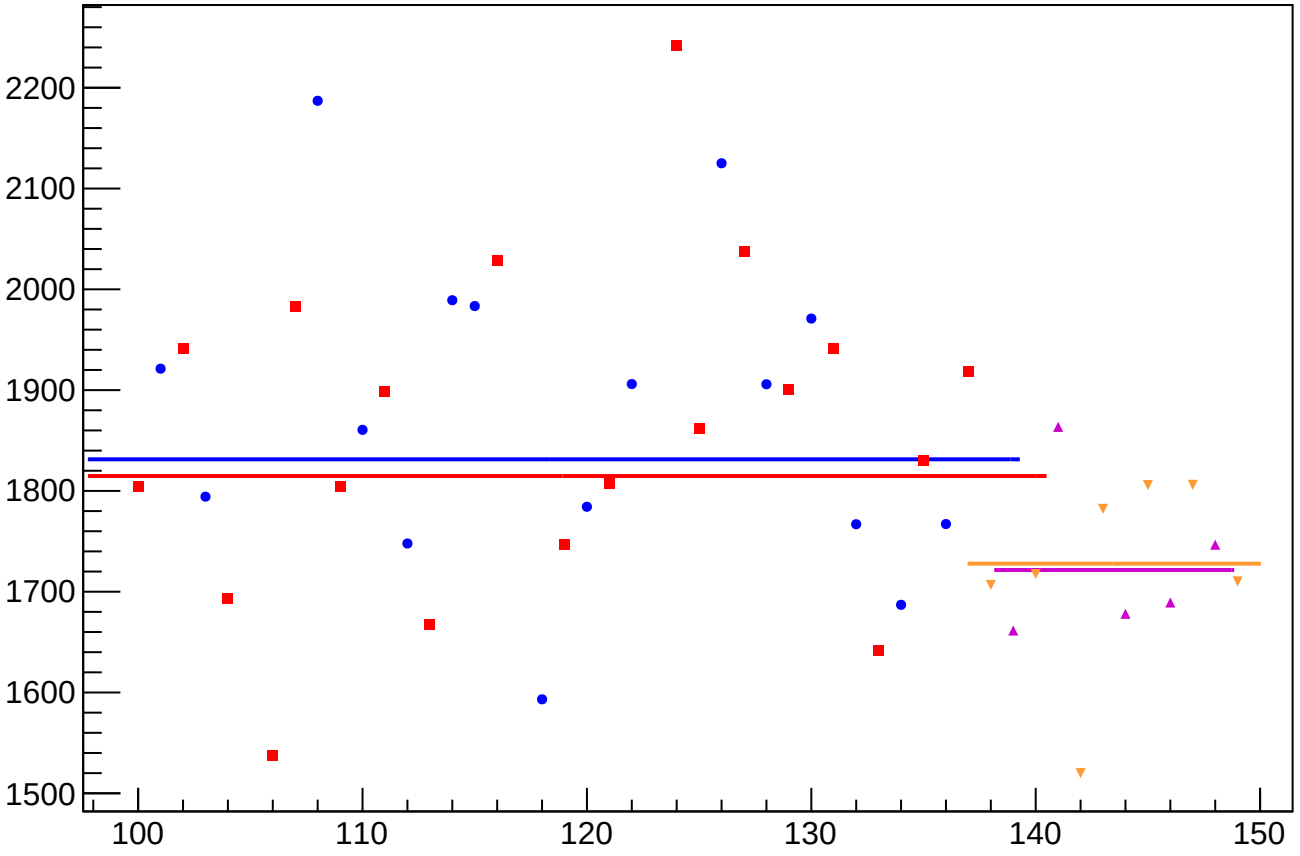
Left In: 4.123+/-0.829 χ^2/NDF:78.3/4

+ sign 10.035+/-0.505 χ^2/NDF: 88.1/22

All: 7.212+/-0.362 χ^2/NDF: 344.7/46

- 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: 1727.815+/-0.529 χ^2/NDF:24564.1/6

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

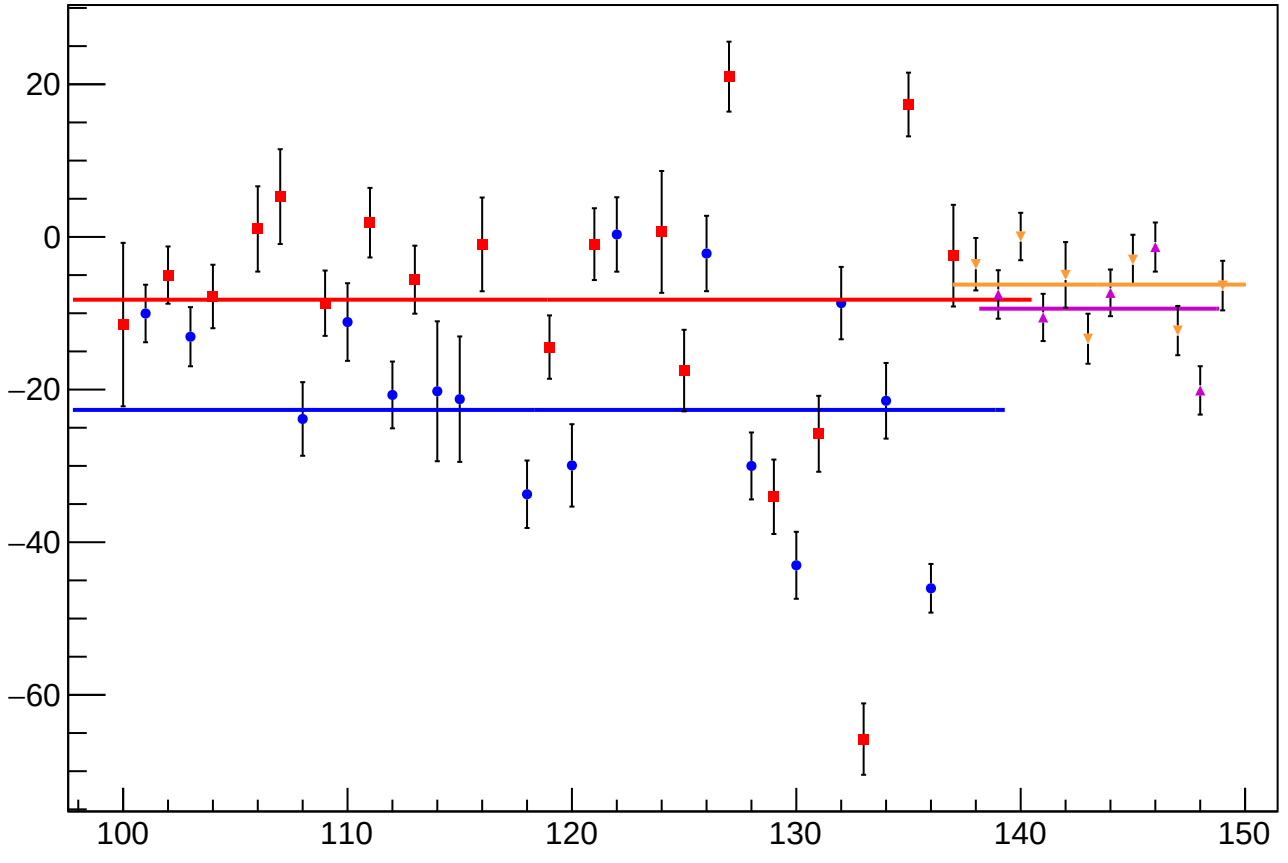
Left In: 1721.522+/-0.586 χ^2/NDF:14509.5/4

+ sign 1784.262+/-0.357 χ^2/NDF: 132356.5/22

All: 1781.321+/-0.256 χ^2/NDF: 253142.0/46

- 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: -6.244+/-1.270 χ^2/NDF:14.0/6

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

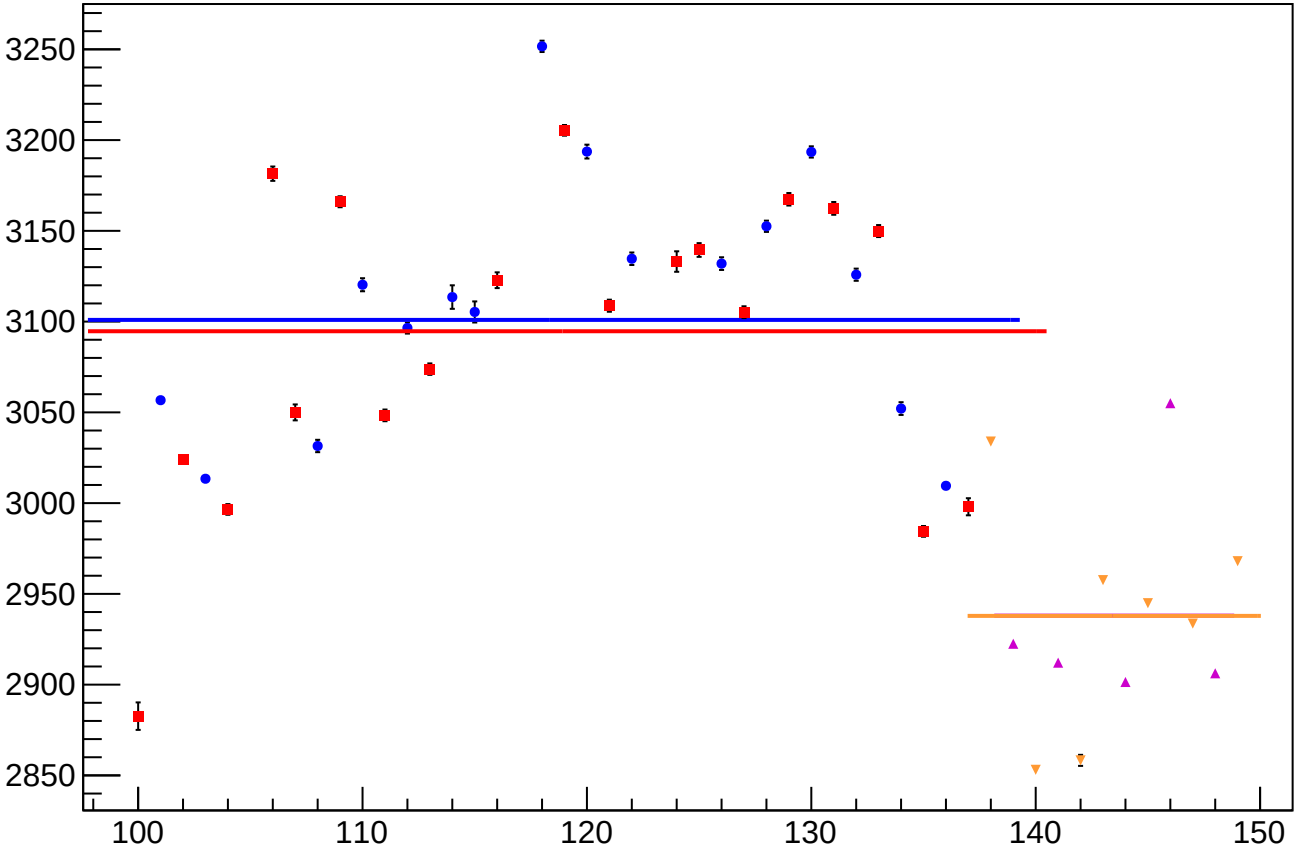
Left In: -9.401+/-1.405 χ^2/NDF:18.7/4

+ sign -15.251+/-0.853 χ^2/NDF: 262.9/22

All: -12.070+/-0.613 χ^2/NDF: 605.5/46

- 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: 2937.880+/-0.898 χ^2/NDF:3994.7/6

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

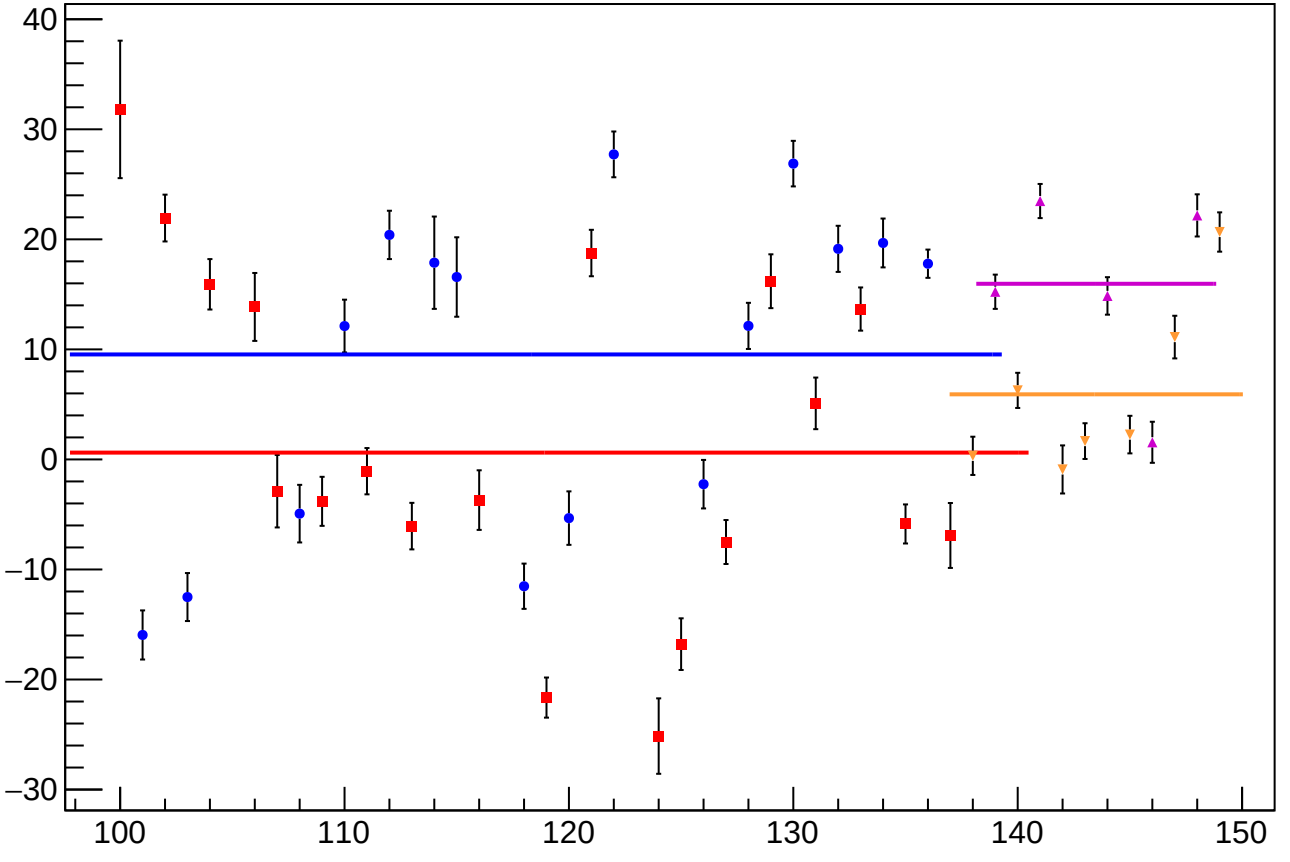
Left In: 2938.016+/-0.994 χ^2/NDF:3320.9/4

+ sign 3027.327+/-0.603 χ^2/NDF: 29980.3/22

All: 3030.190+/-0.433 χ^2/NDF: 57044.3/46

- 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: 5.916+/-0.669 χ^2/NDF:107.0/6

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

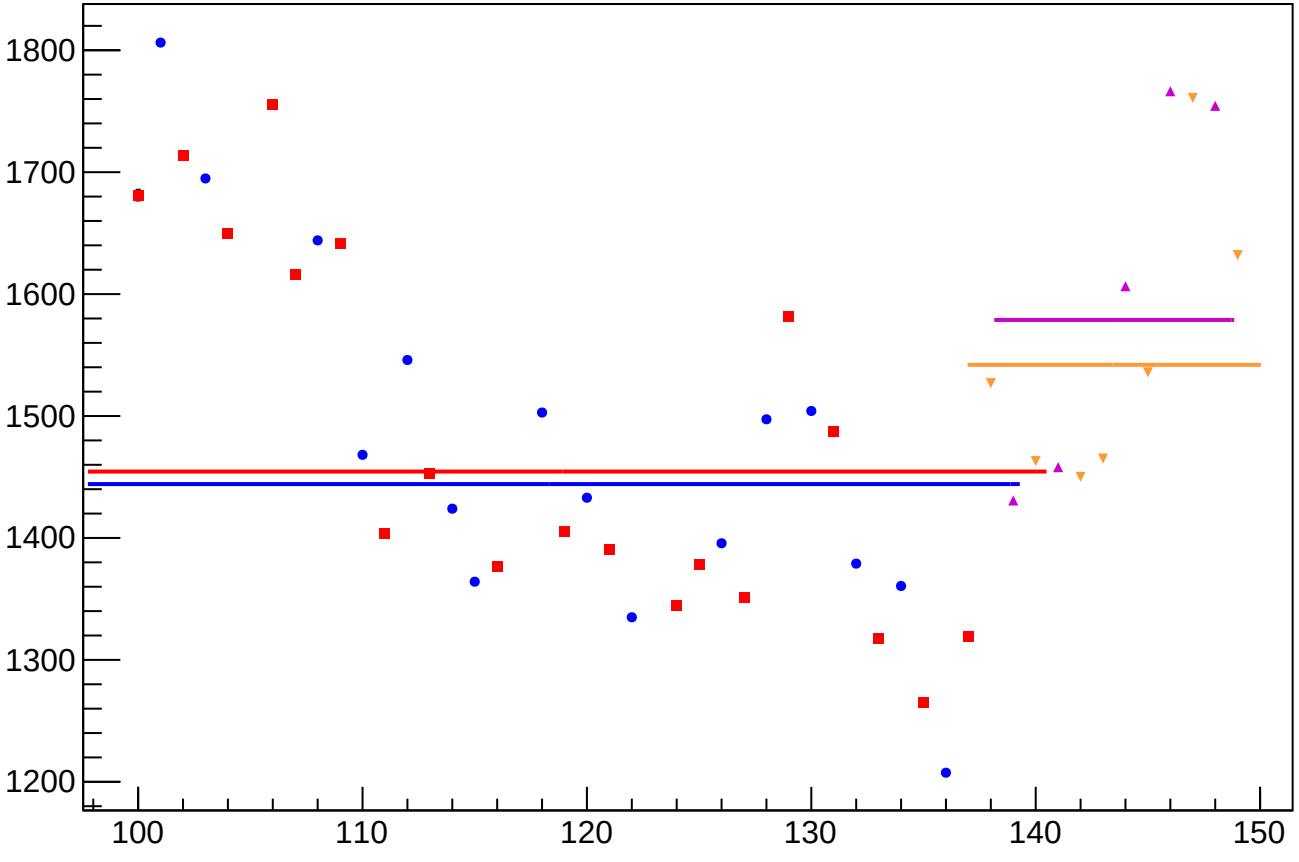
Left In: 15.961+/-0.760 χ^2/NDF:94.3/4

\+ sign 8.106+/-0.421 χ^2/NDF: 823.5/22

All: 6.945+/-0.303 χ^2/NDF: 1872.3/46

\- 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: 1541.994+/-0.473 χ^2/NDF:43687.9/6

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

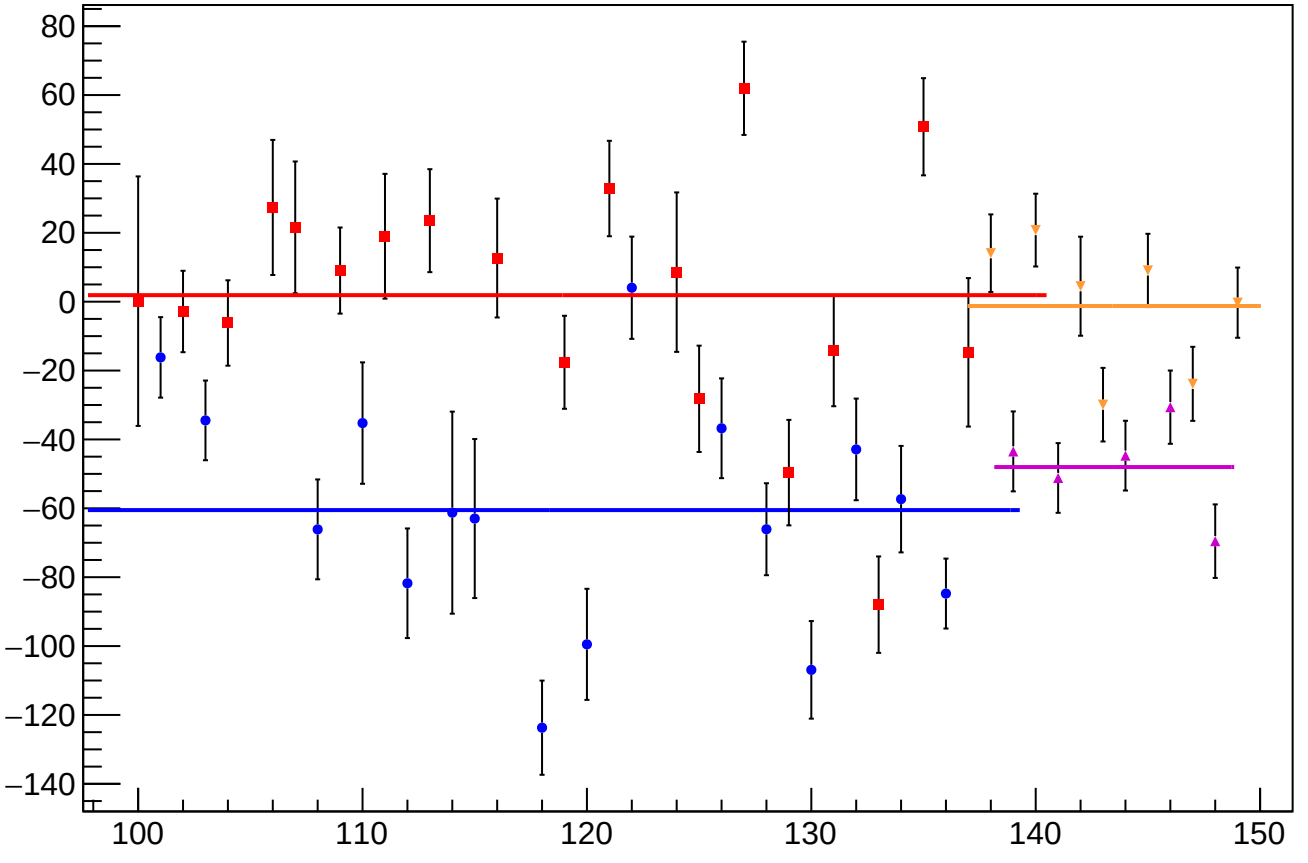
Left In: 1578.800+/-0.537 χ^2/NDF:67737.2/4

+ sign 1482.892+/-0.298 χ^2/NDF: 249675.0/22

All: 1489.001+/-0.214 χ^2/NDF: 496902.4/46

- 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: -1.256+/-4.169 χ^2/NDF:18.9/6

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

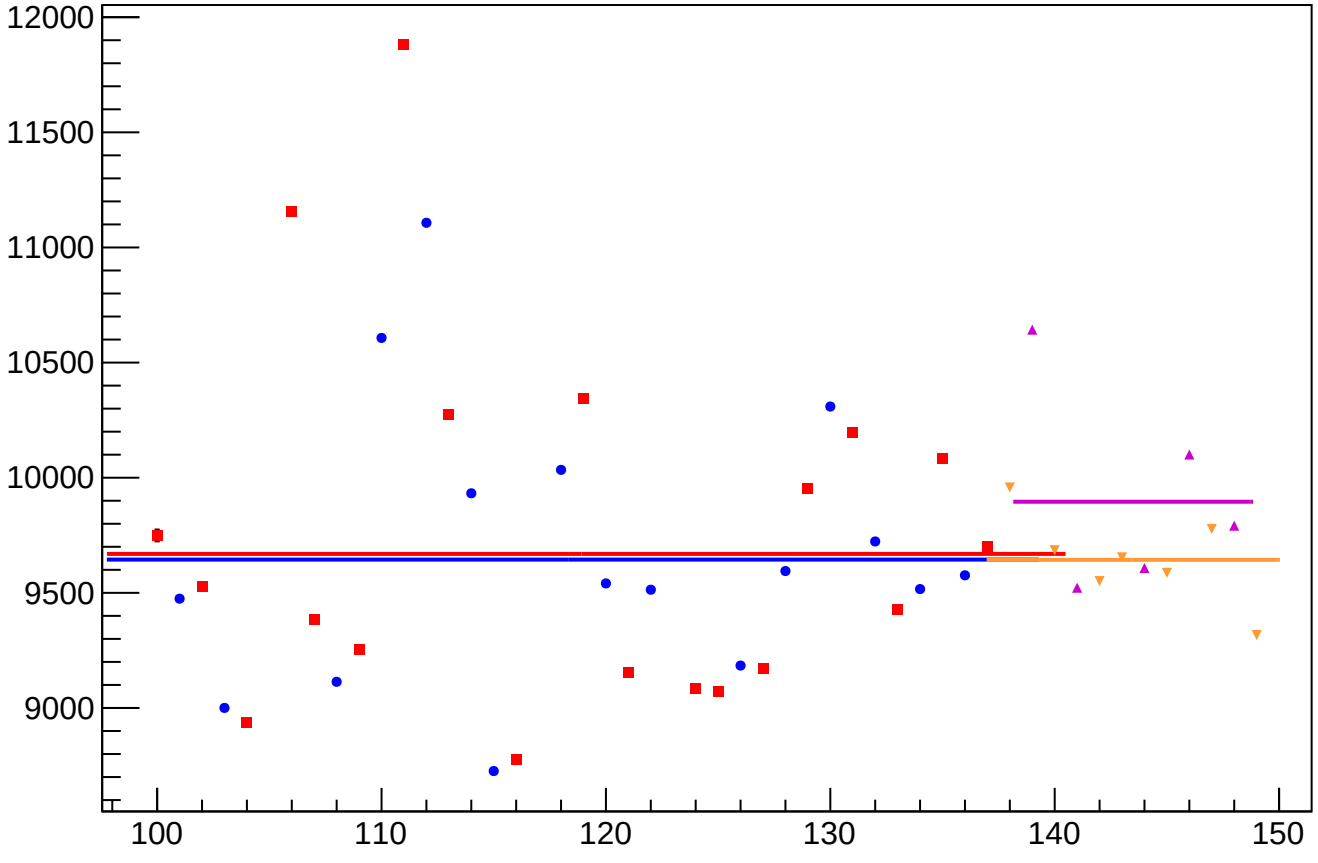
Left In: -48.014+/-4.738 χ^2/NDF:7.1/4

+ sign -35.234+/-2.723 χ^2/NDF: 225.1/22

All: -26.014+/-1.965 χ^2/NDF: 431.1/46

- 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: 9643.417+/-2.948 χ^2/NDF:4093.0/6

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

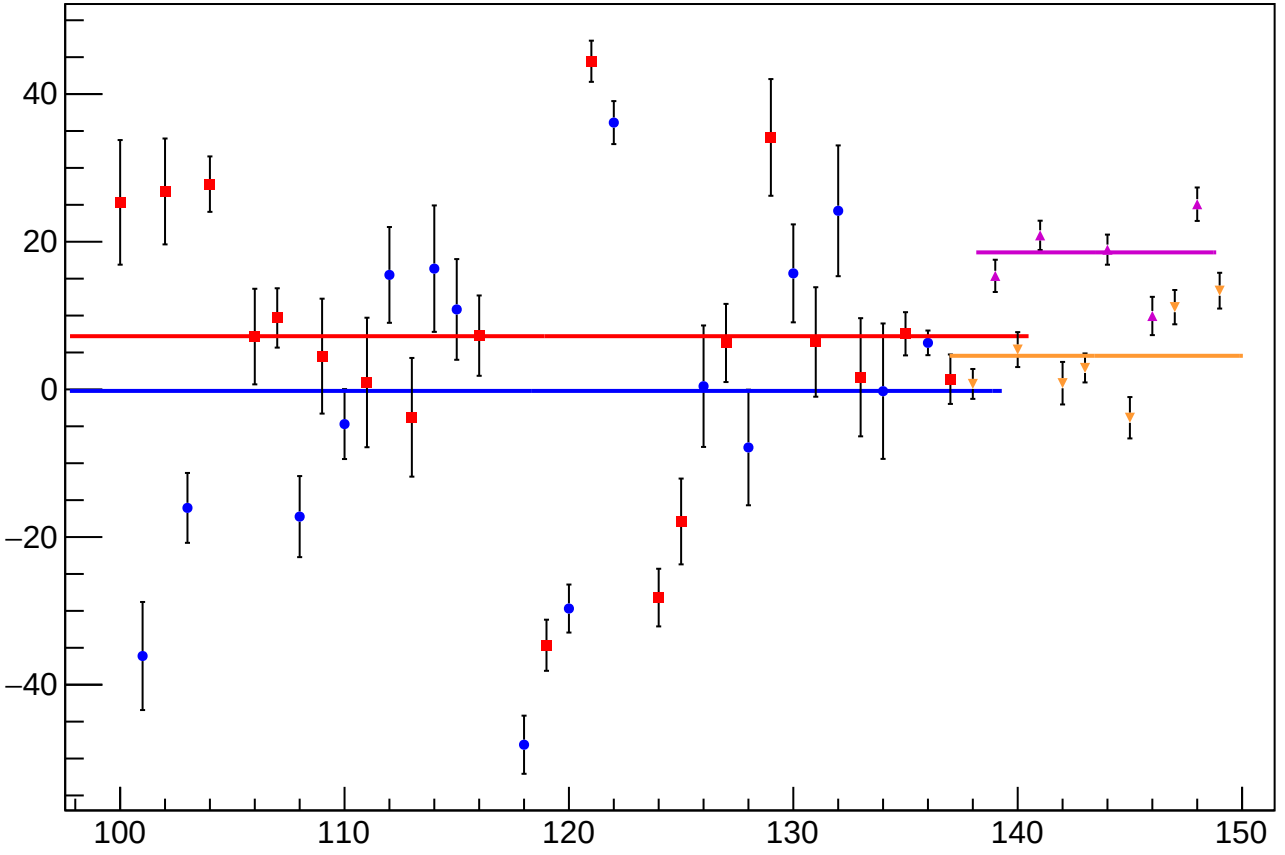
Left In: 9895.662+/-3.350 χ^2/NDF:13562.5/4

+ sign 9643.978+/-1.926 χ^2/NDF: 48194.6/22

All: 9694.990+/-1.389 χ^2/NDF: 146031.2/46

- 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: 4.551+/-0.882 χ^2/NDF:36.3/6

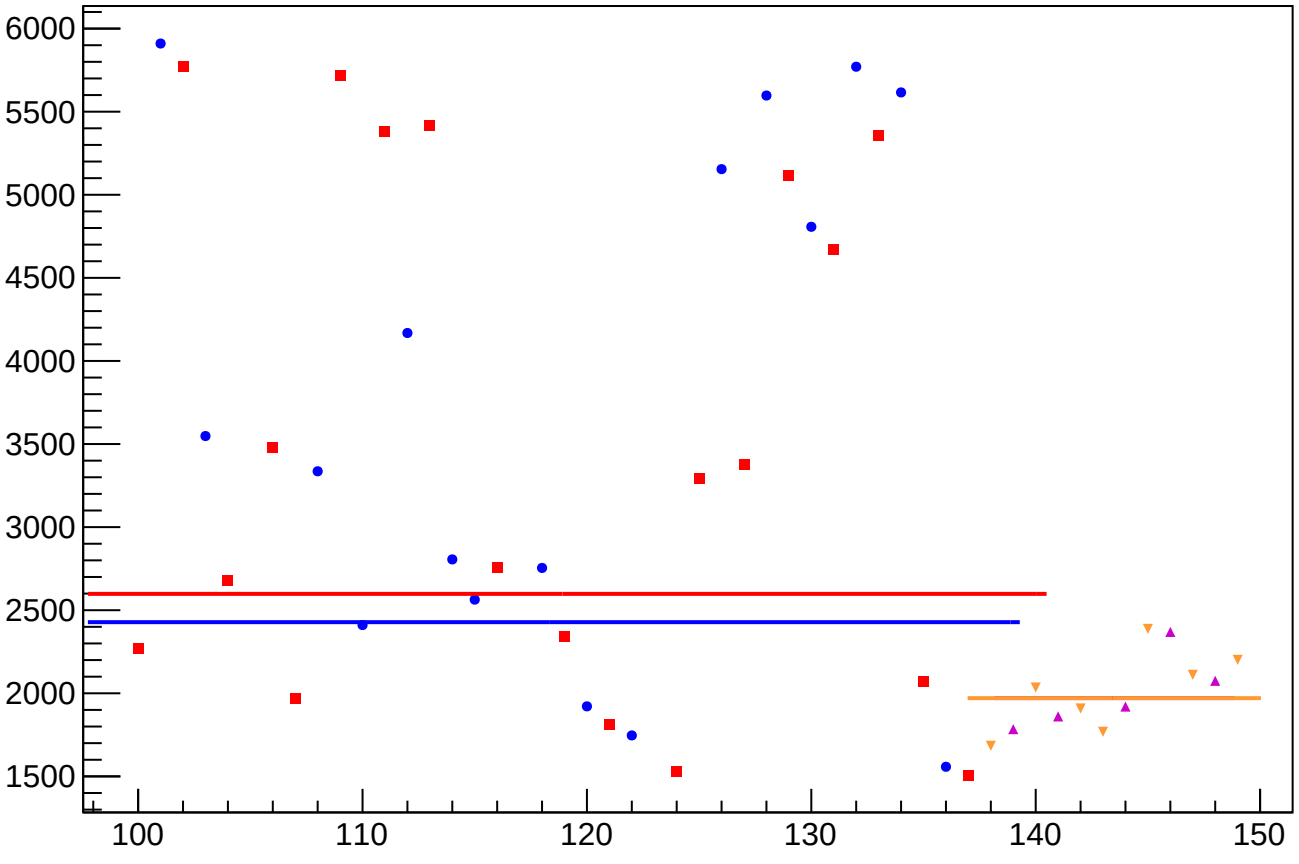
Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: 18.557+/-0.977 χ^2/NDF:22.9/4

+ sign 2.573+/-0.674 χ^2/NDF: 522.1/22

All: 7.620+/-0.493 χ^2/NDF: 1212.2/46

- sign 13.417+/-0.722 χ^2/NDF: 569.6/23



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1970.731+/-0.624 χ^2/NDF:133332.3/6

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

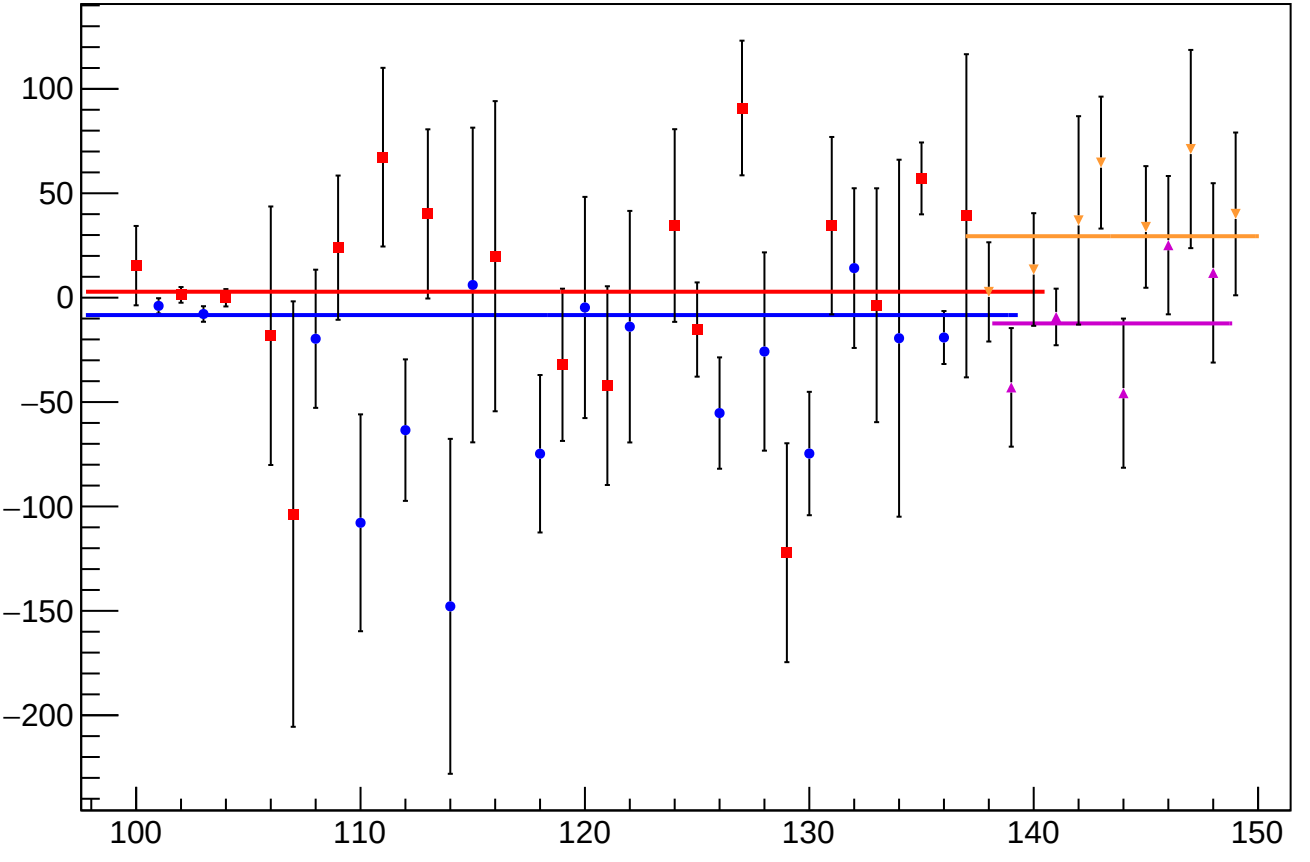
Left In: 1971.188+/-0.691 χ^2/NDF:73500.6/4

+ sign 2160.917+/-0.477 χ^2/NDF: 3172296.6/22

All: 2204.791+/-0.349 χ^2/NDF: 6152309.0/46

- 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: 29.435+/-12.102 χ^2/NDF:3.7/6

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

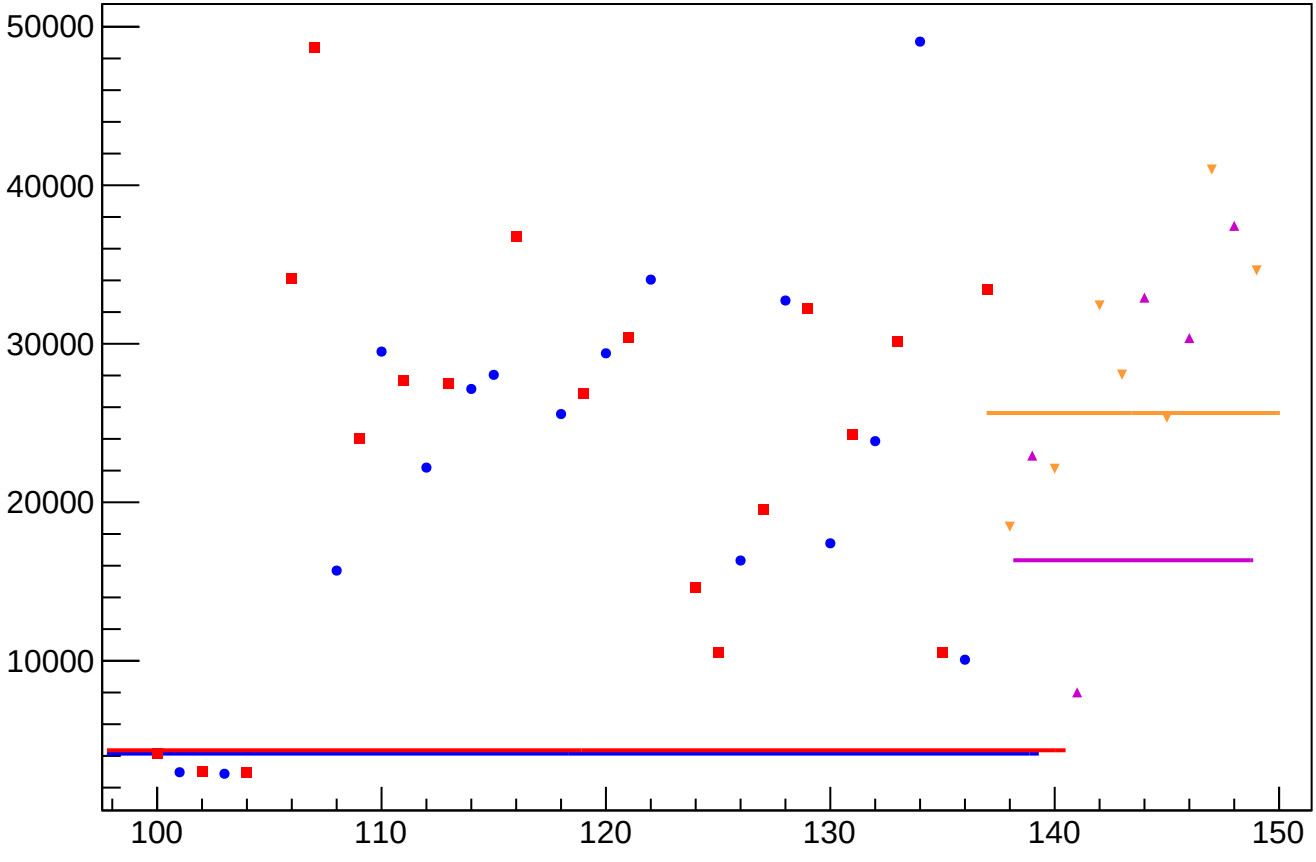
Left In: -12.333+/-10.586 χ^2/NDF:3.7/4

+ sign -6.787+/-2.448 χ^2/NDF: 36.5/22

All: -2.612+/-1.770 χ^2/NDF: 80.9/46

- 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: 25633.938+/-8.557 χ^2/NDF:580946.0/6

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

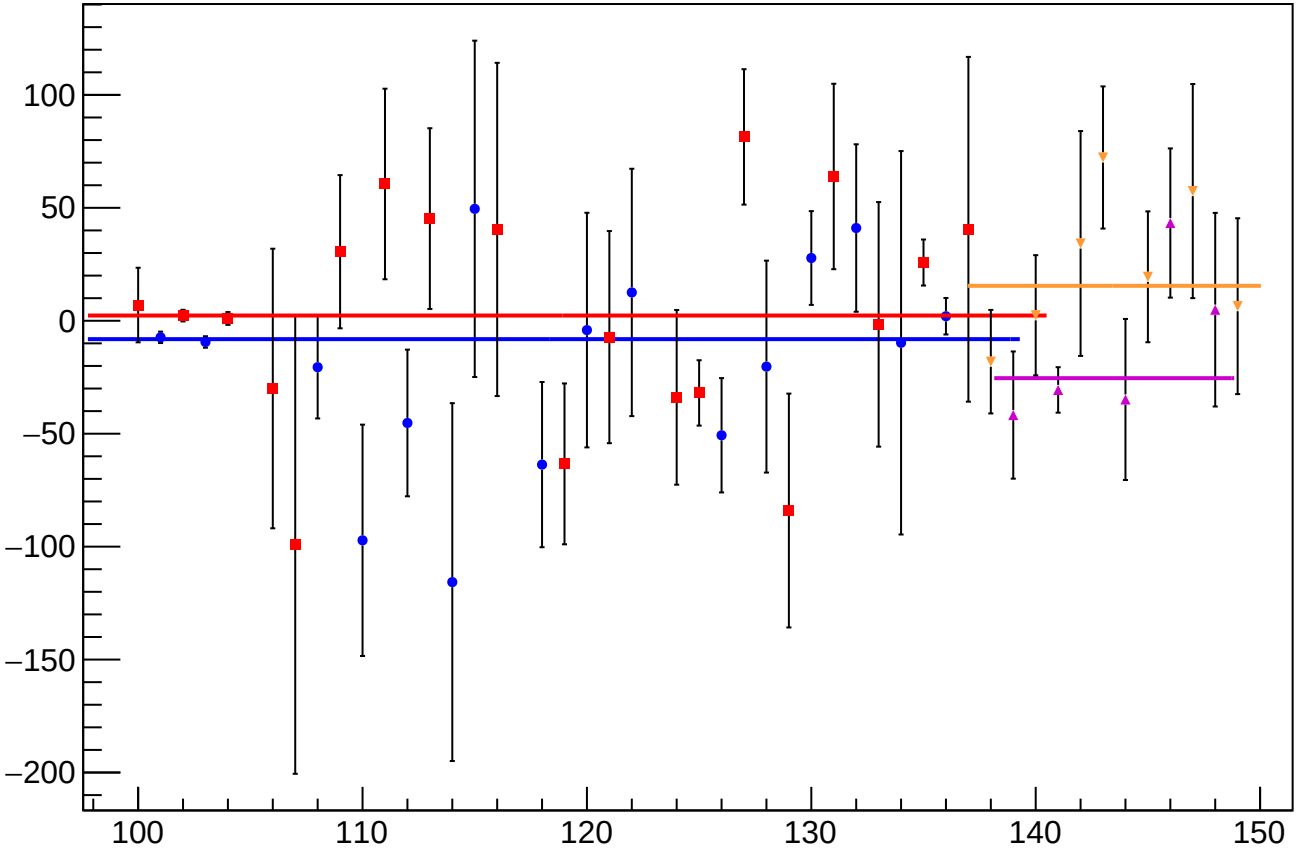
Left In: 16342.960+/-7.486 χ^2/NDF:2135508.3/4

+ sign 5024.864+/-1.731 χ^2/NDF: 13465589.9/22

All: 5039.799+/-1.251 χ^2/NDF: 25640874.4/4

- 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: 15.478+/-11.929 χ^2/NDF:6.6/6

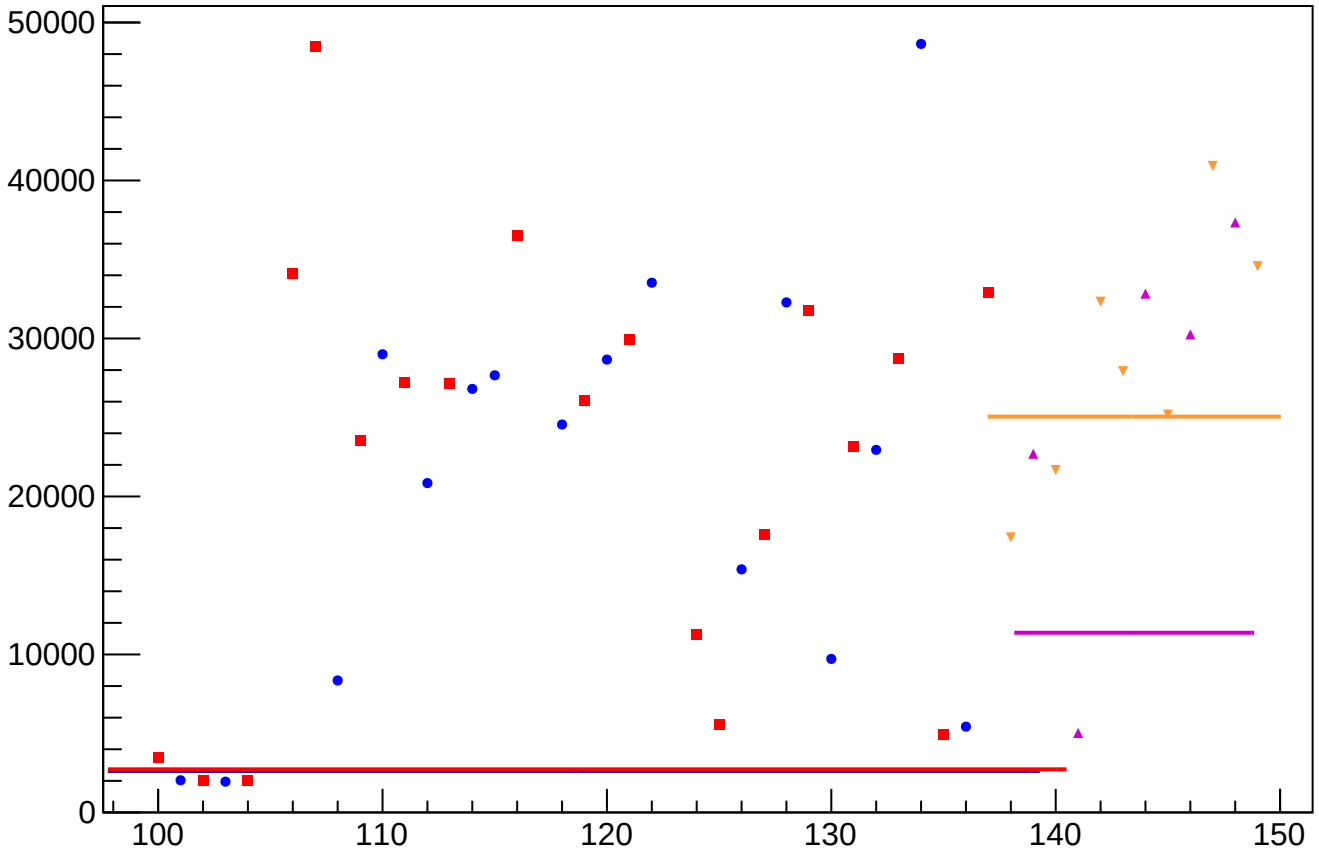
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -25.413+/-8.644 χ^2/NDF:5.5/4

+ sign -7.651+/-1.703 χ^2/NDF: 29.6/22

All: -3.454+/-1.231 χ^2/NDF: 90.7/46

- 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: 25055.174+/-8.435 χ^2/NDF:658149.6/6

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

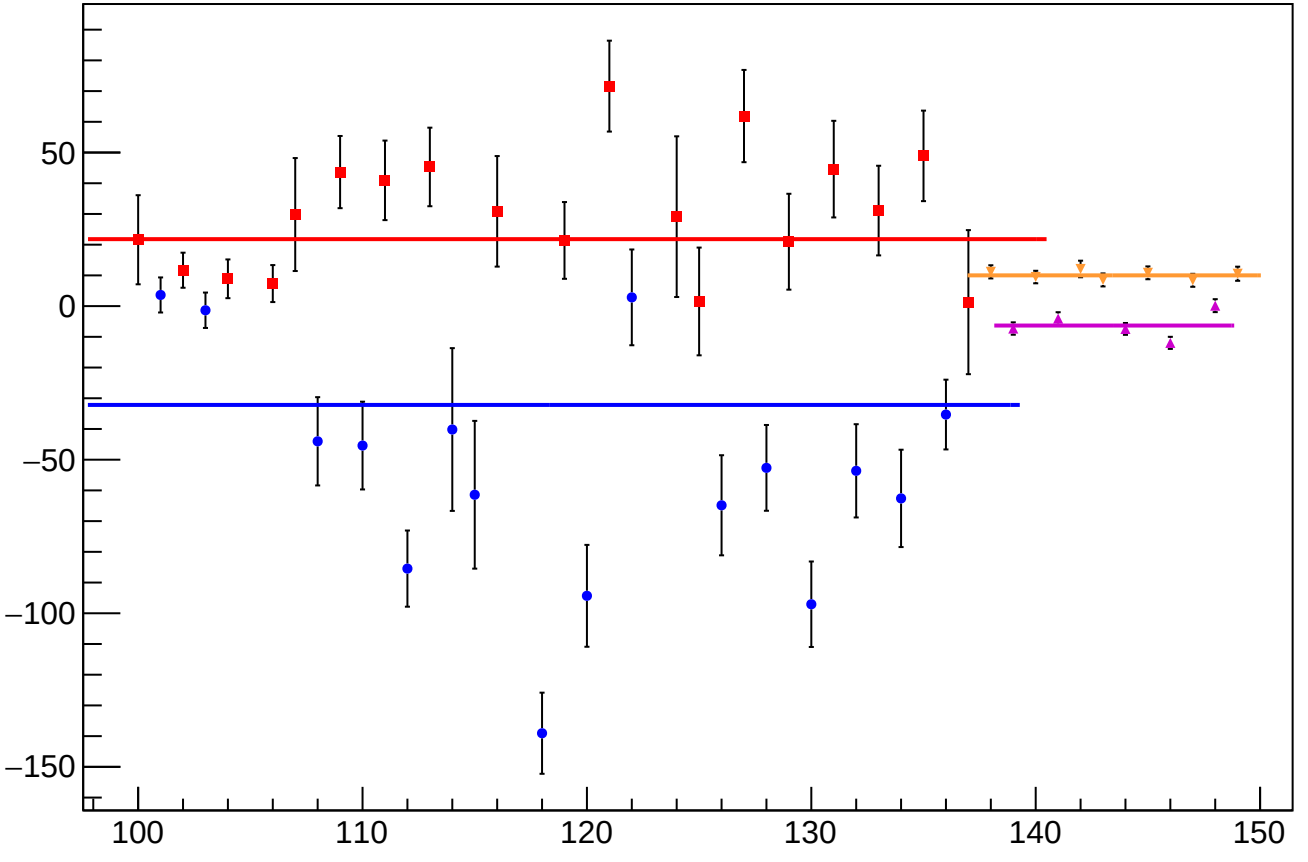
Left In: 11374.706+/-6.112 χ^2/NDF:3231554.1/4

+ sign 3083.439+/-1.204 χ^2/NDF: 14365401.9/22

All: 3090.292+/-0.871 χ^2/NDF: 27498010.7/4

- 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: 10.010+/-0.828 χ^2/NDF:2.2/6

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

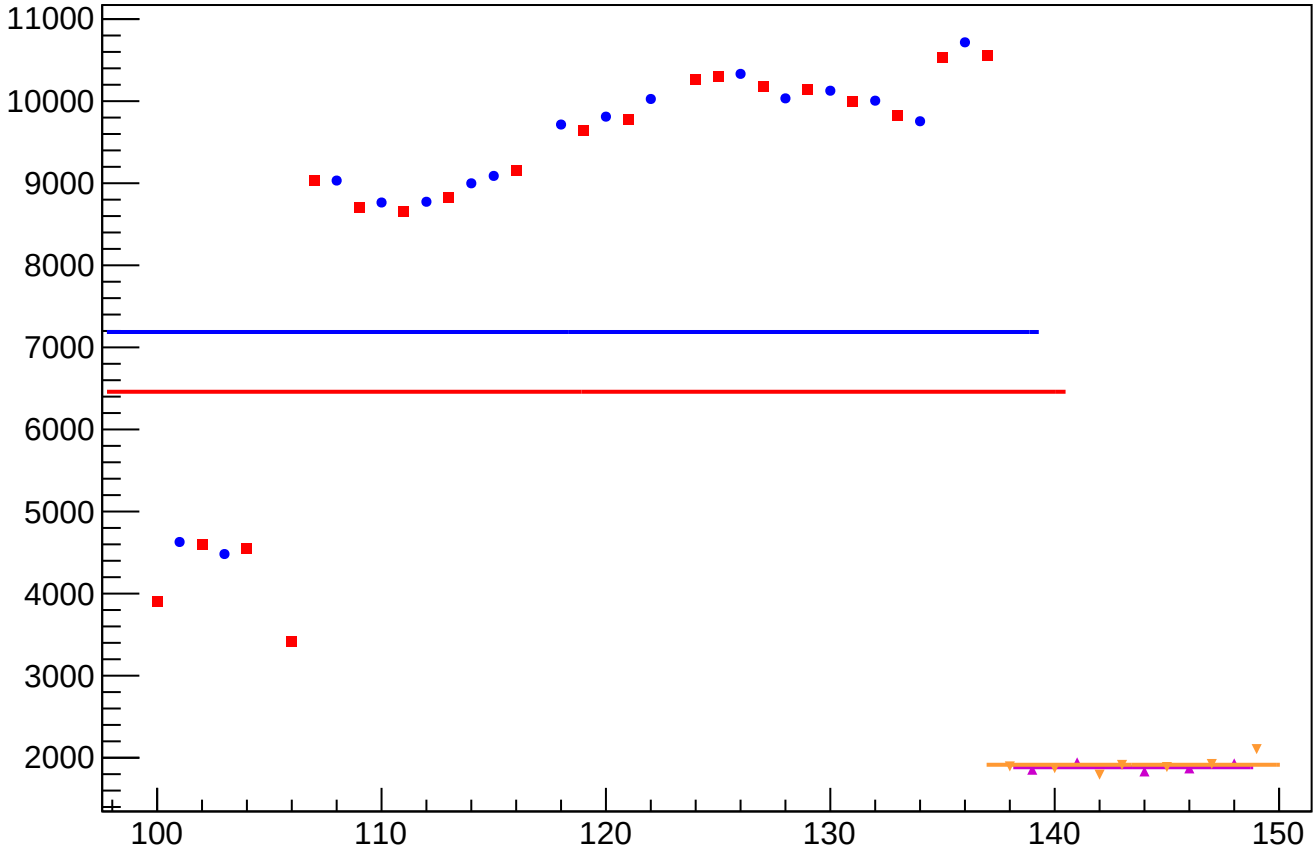
Left In: -6.326+/-0.902 χ^2/NDF:19.4/4

+ sign 6.706+/-0.795 χ^2/NDF: 413.1/22

All: 2.078+/-0.581 χ^2/NDF: 661.7/46

- 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: 1914.532+/-0.586 χ^2/NDF:19065.6/6

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

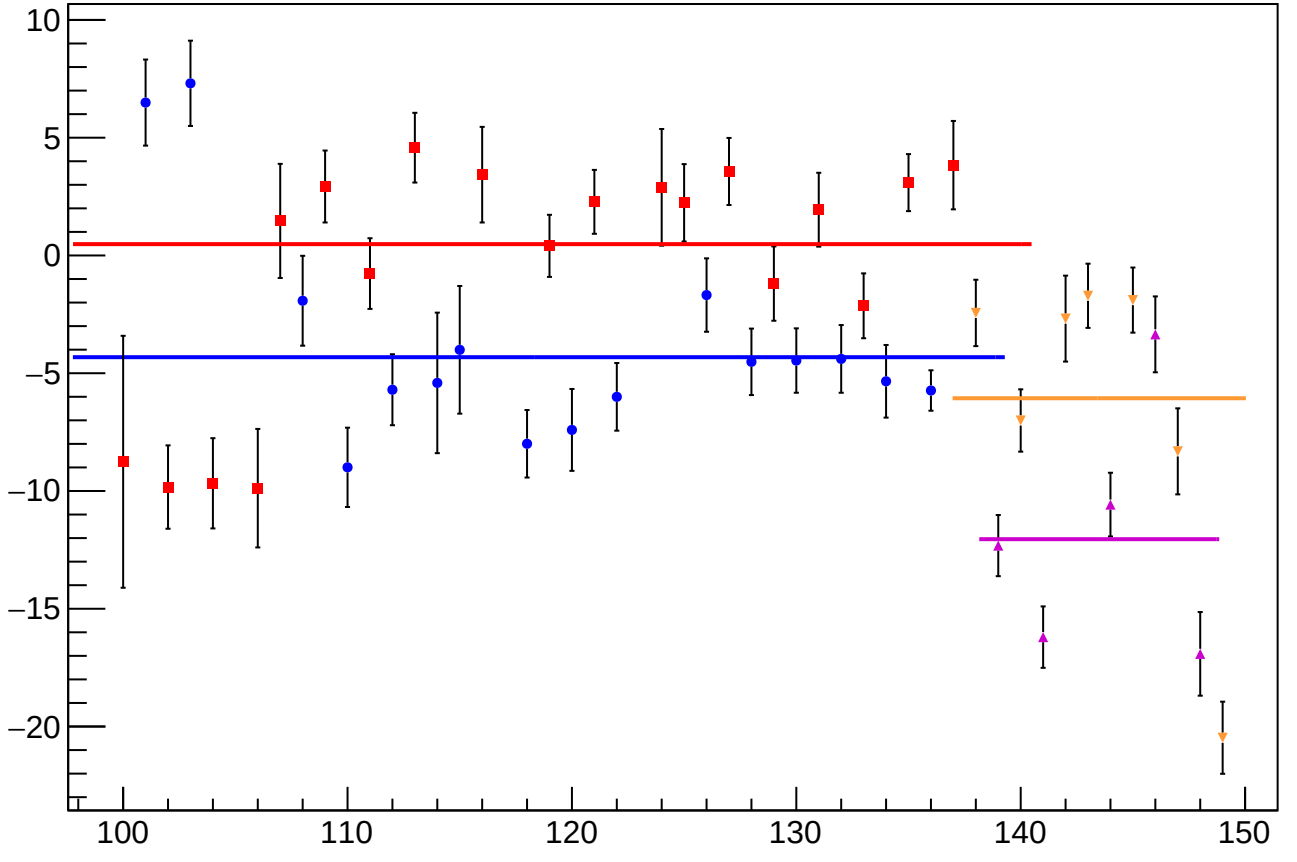
Left In: 1884.303+/-0.638 χ^2/NDF:4562.9/4

+ sign 2327.567+/-0.562 χ^2/NDF: 8071389.8/22

All: 2356.830+/-0.411 χ^2/NDF: 16051099.2/4

- 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: -6.062+/-0.562 χ^2/NDF:120.0/6

Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

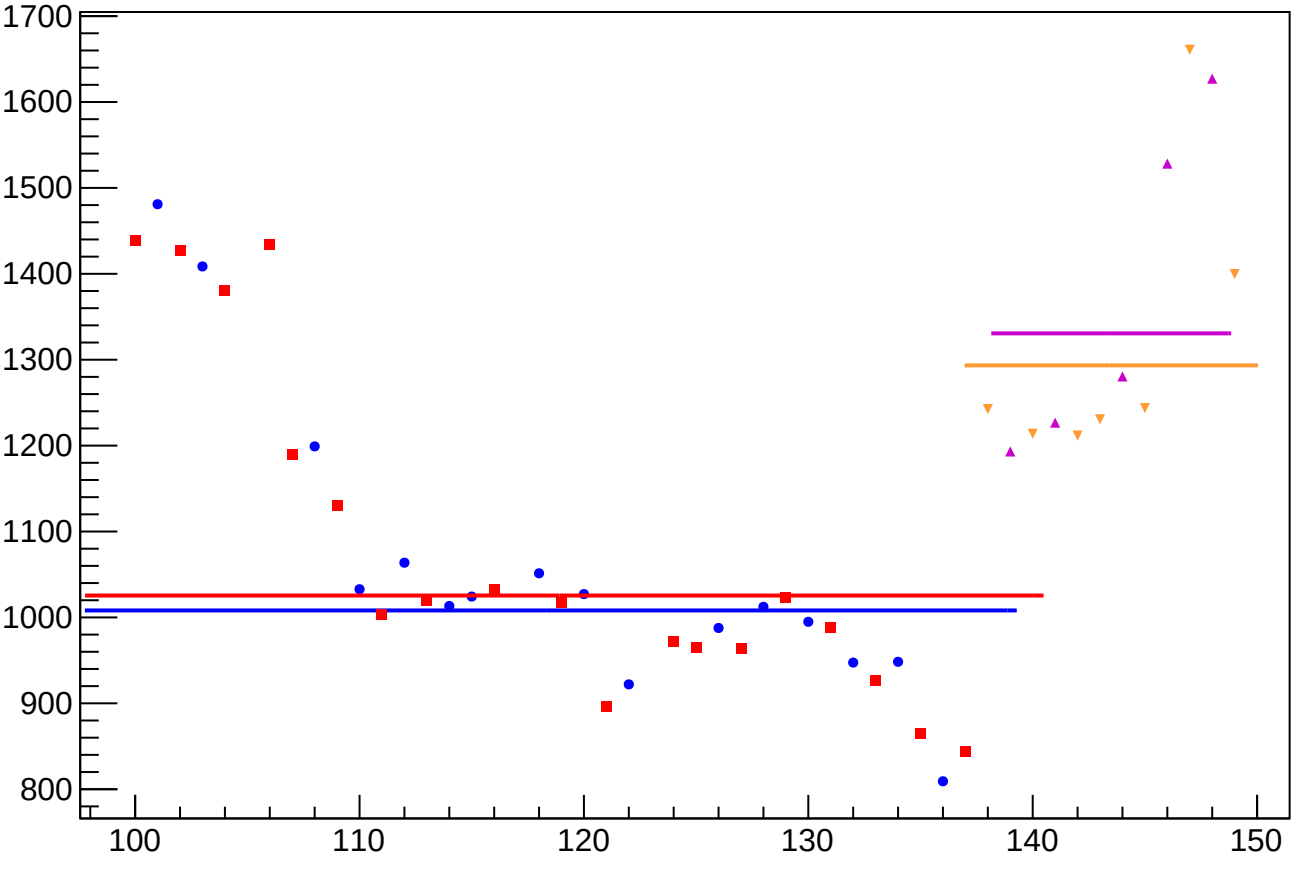
Left In: -12.046+/-0.642 χ^2/NDF:48.0/4

\+ sign -4.865+/-0.315 χ^2/NDF: 230.3/22

All: -3.848+/-0.226 χ^2/NDF: 699.9/46

\- 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: 1293.417+/-0.398 χ^2/NDF:111203.5/6

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

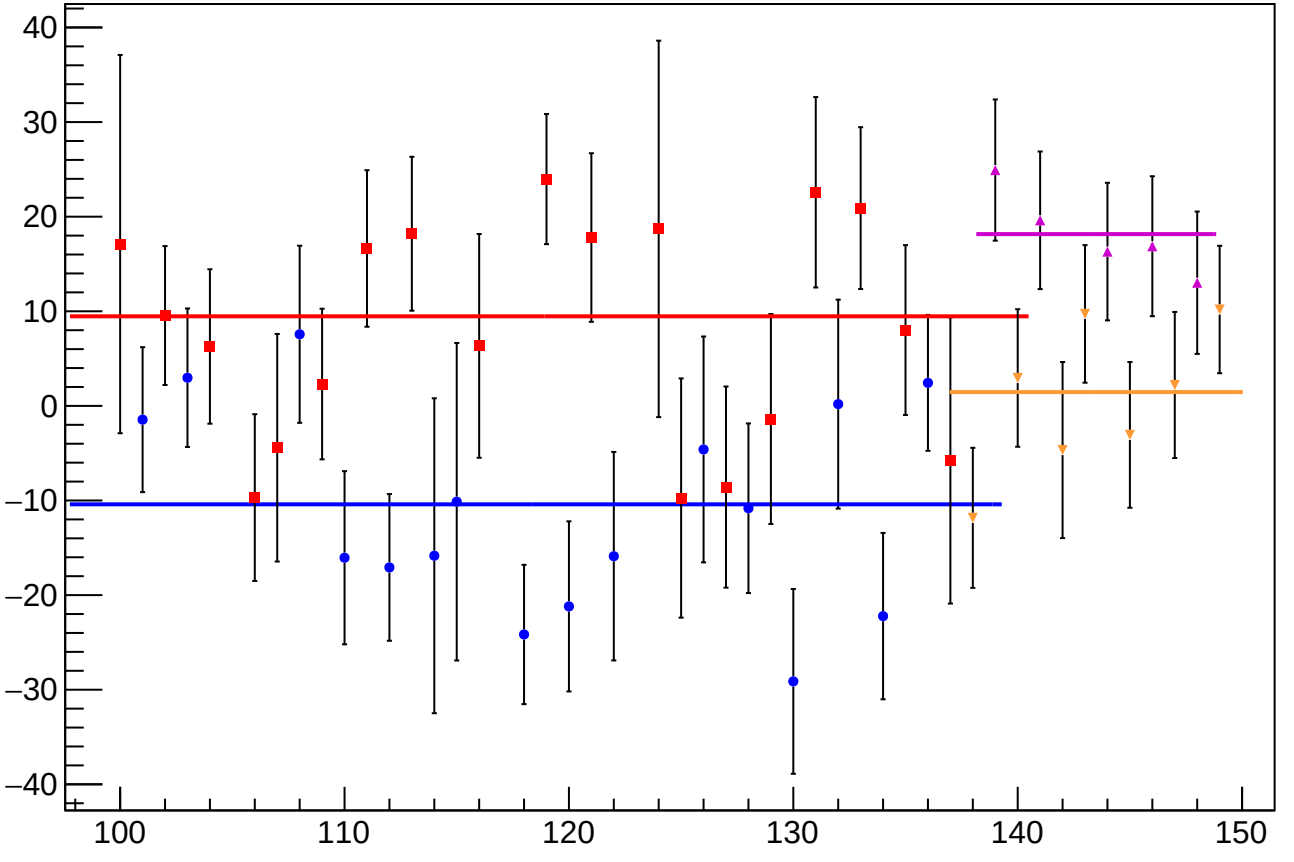
Left In: 1330.676+/-0.454 χ^2/NDF:123717.8/4

+ sign 1097.486+/-0.223 χ^2/NDF: 843667.3/22

All: 1100.792+/-0.160 χ^2/NDF: 1649525.9/46

- 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: 1.458+/-2.848 χ^2/NDF:7.0/6

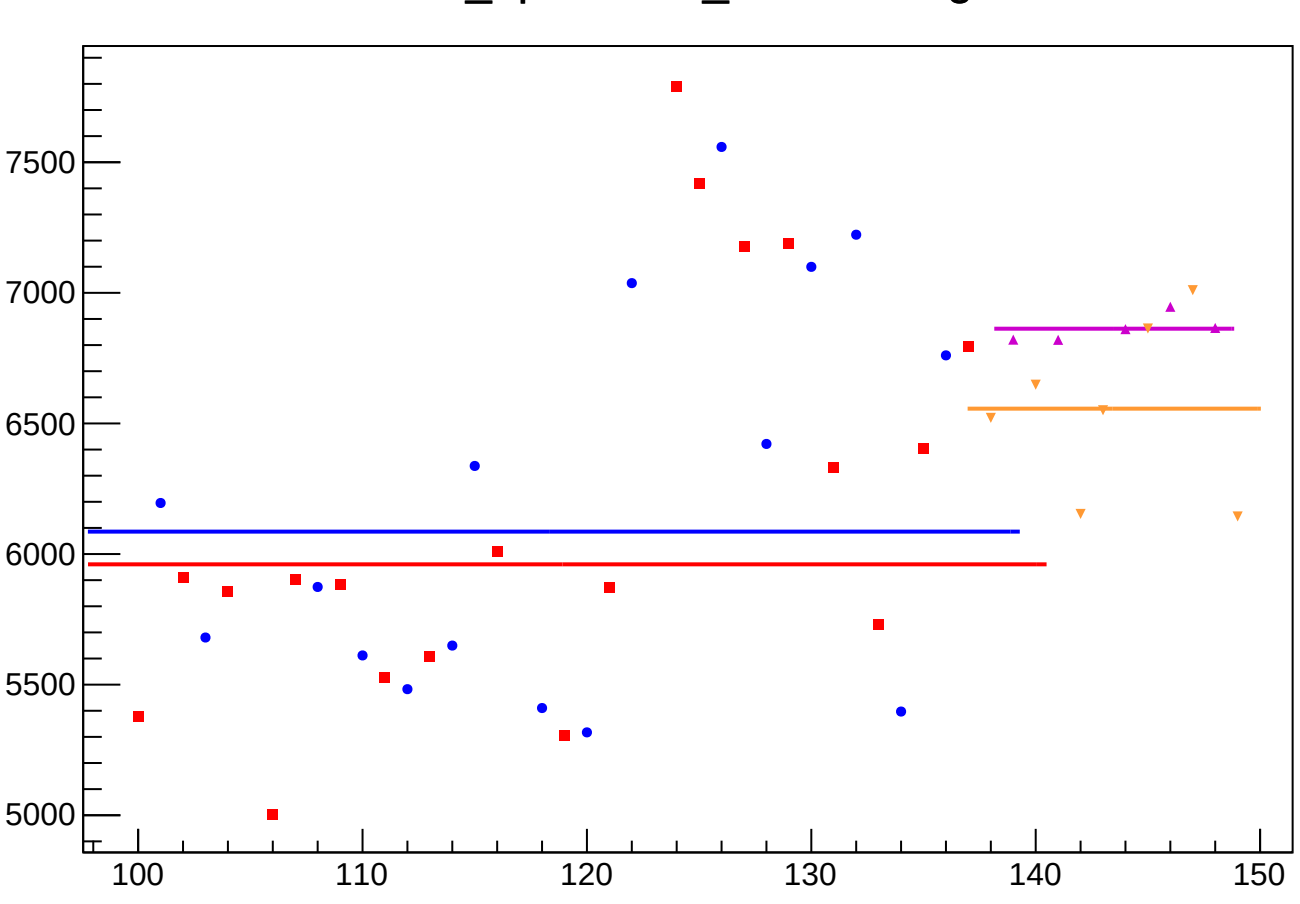
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 18.158+/-3.302 χ^2/NDF:1.4/4

\+ sign -5.770+/-1.780 χ^2/NDF: 42.2/22

All: 2.950+/-1.274 χ^2/NDF: 123.1/46

\- 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: 6556.634+/-2.014 χ^2/NDF:21703.9/6

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

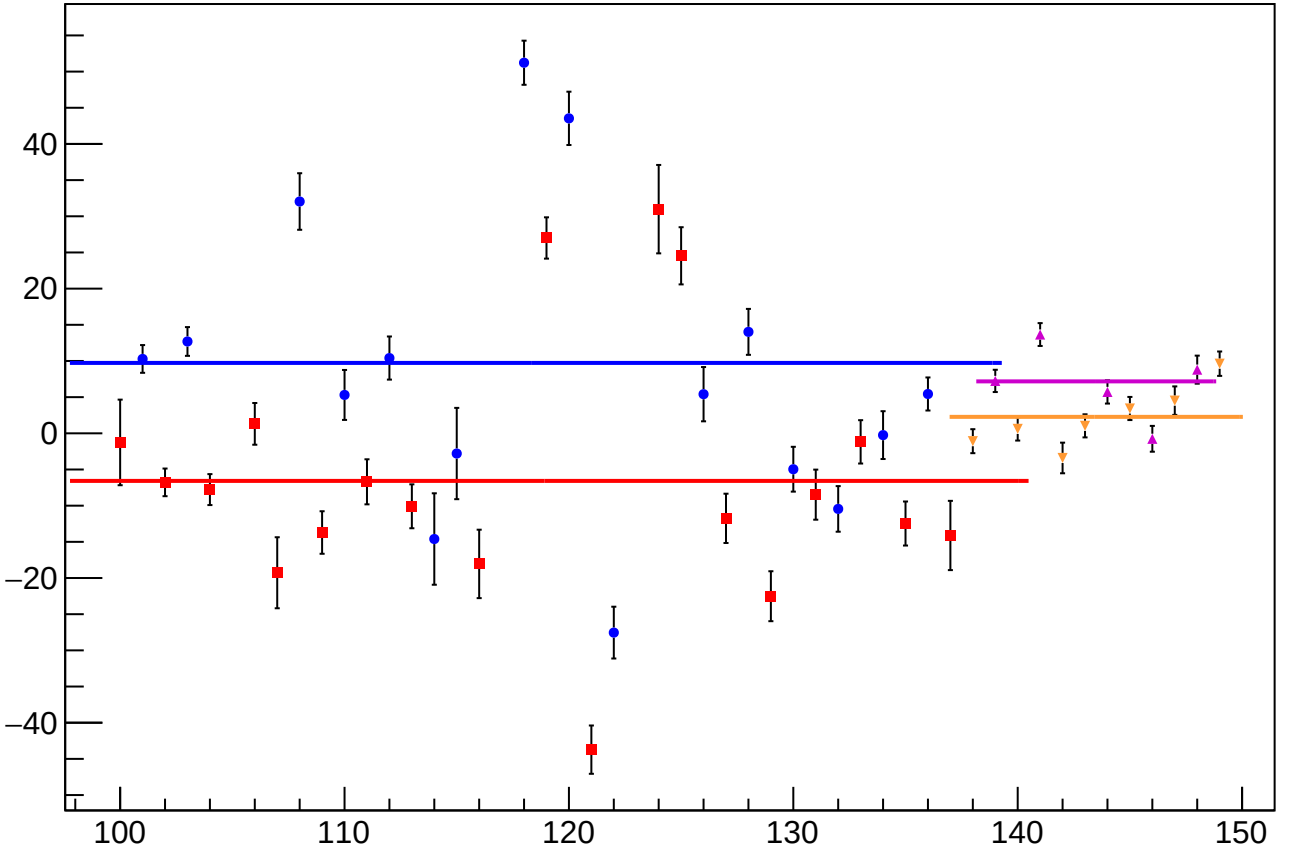
Left In: 6862.723+/-2.335 χ^2/NDF:389.5/4

+ sign 6269.757+/-1.259 χ^2/NDF: 234126.9/22

All: 6253.484+/-0.901 χ^2/NDF: 501280.1/46

- 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: 2.276+/-0.650 χ^2/NDF:33.8/6

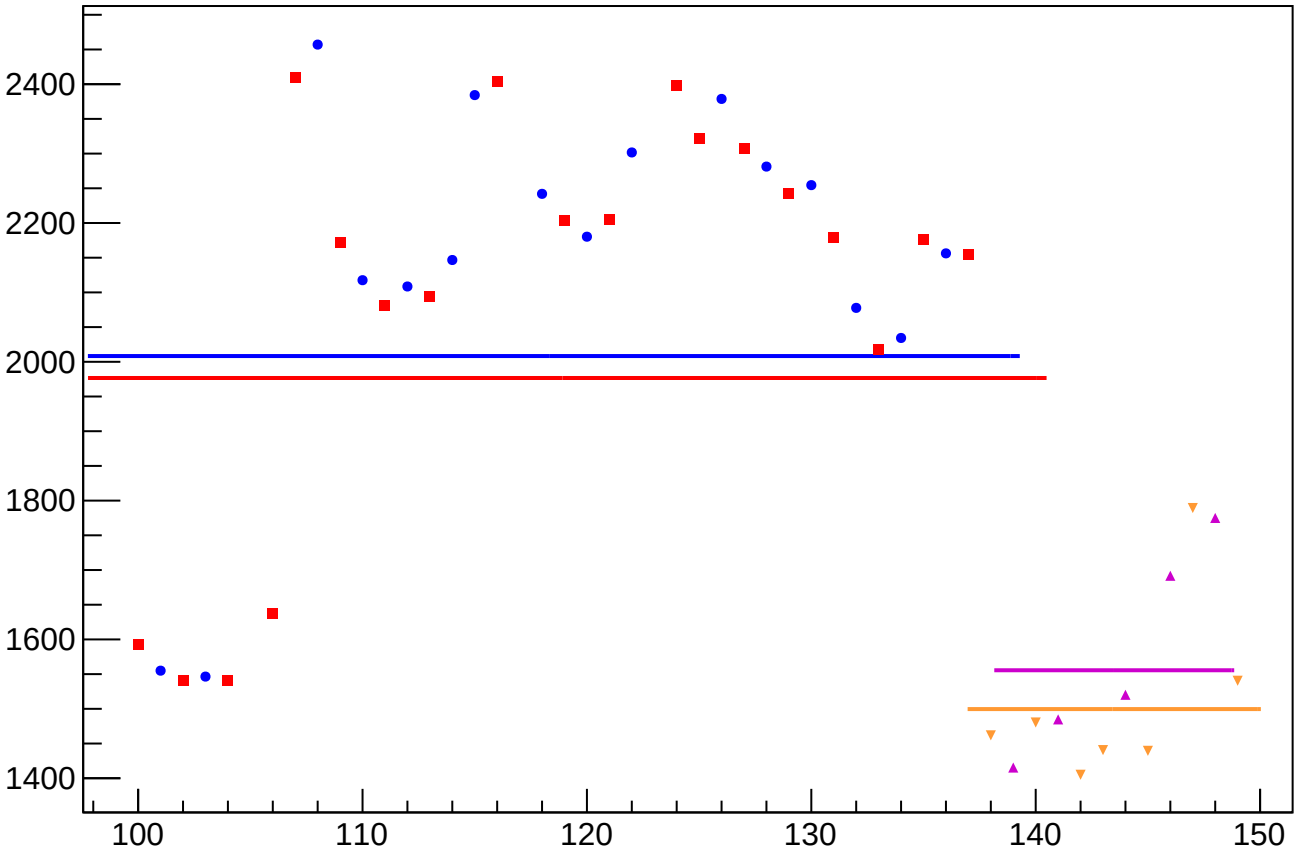
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 7.180+/-0.748 χ^2/NDF:38.1/4

+ sign 5.453+/-0.493 χ^2/NDF: 602.2/22

All: 2.953+/-0.358 χ^2/NDF: 1292.0/46

- 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: 1499.637+/-0.460 χ^2/NDF:55363.8/6

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

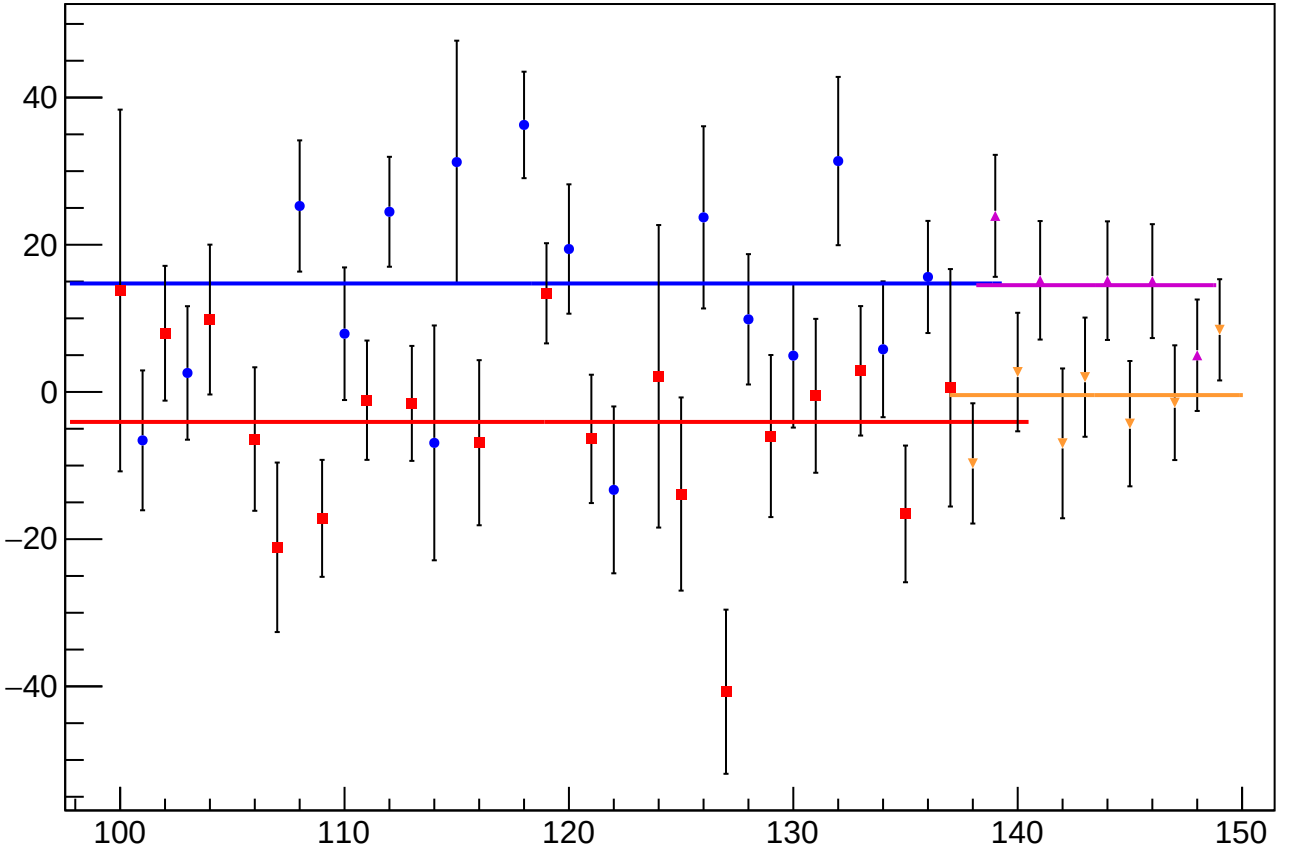
Left In: 1555.566+/-0.529 χ^2/NDF:58863.5/4

+ sign 1716.322+/-0.348 χ^2/NDF: 920938.4/22

All: 1742.073+/-0.253 χ^2/NDF: 1681520.9/46

- sign 1771.018+/-0.369 χ^2/NDF: 748979.6/23

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -0.426+/-3.061 χ^2/NDF:3.8/6

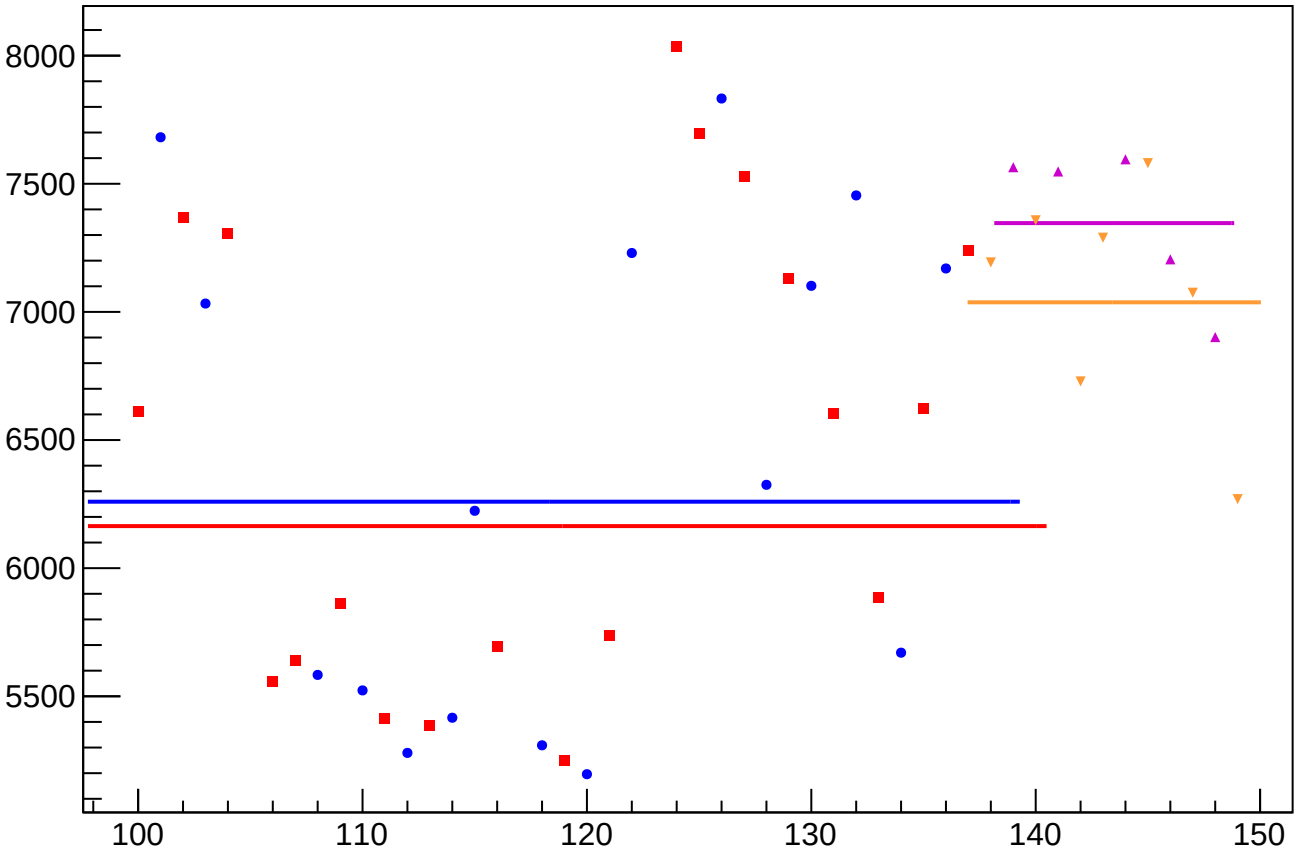
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 14.507+/-3.546 χ^2/NDF:2.9/4

+ sign 9.093+/-1.868 χ^2/NDF: 52.8/22

All: 5.312+/-1.337 χ^2/NDF: 113.7/46

- 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: 7037.419+/-2.165 χ^2/NDF:40799.9/6

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

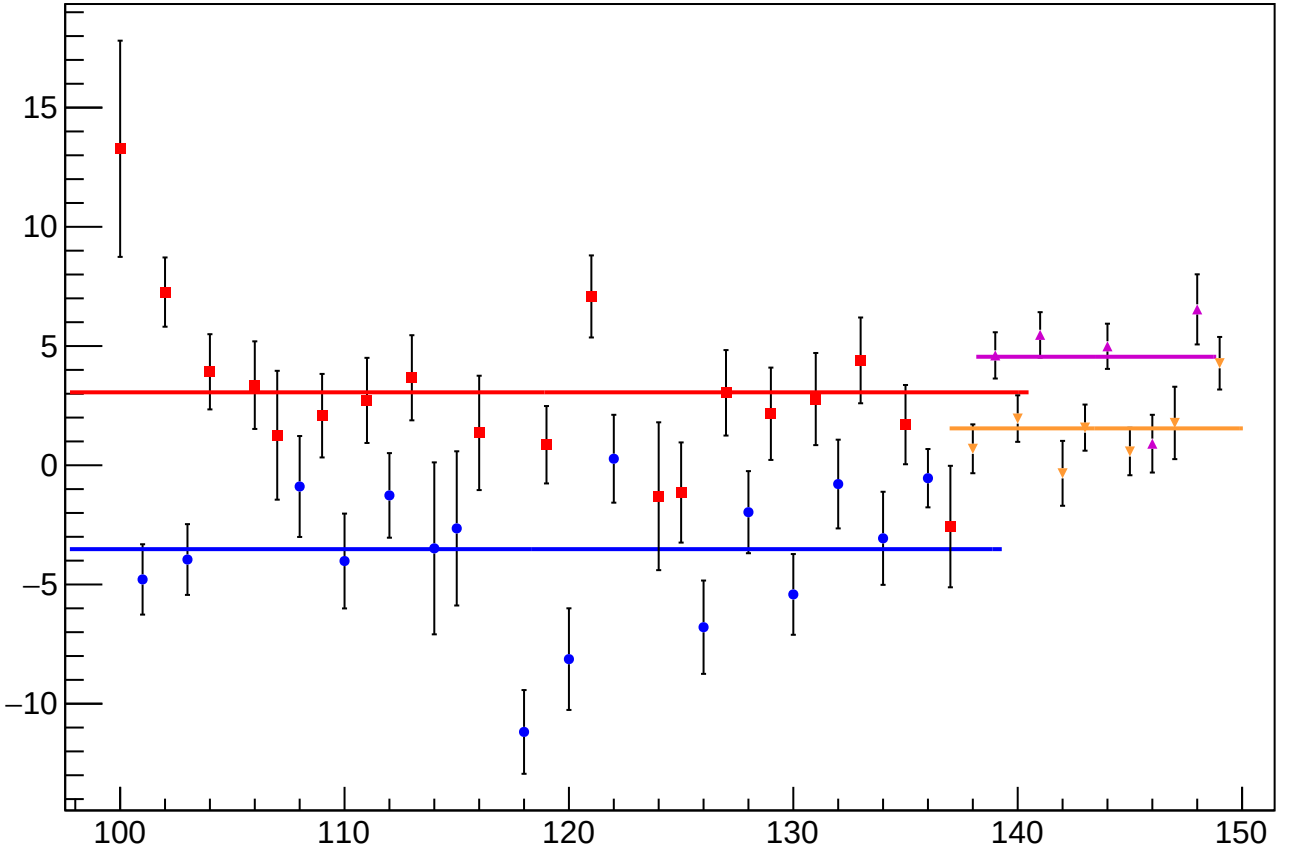
Left In: 7346.551+/-2.507 χ^2/NDF:12115.2/4

+ sign 6549.090+/-1.321 χ^2/NDF: 430497.2/22

All: 6529.367+/-0.945 χ^2/NDF: 865715.6/46

- 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: 1.547+/-0.413 χ^2/NDF:9.9/6

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

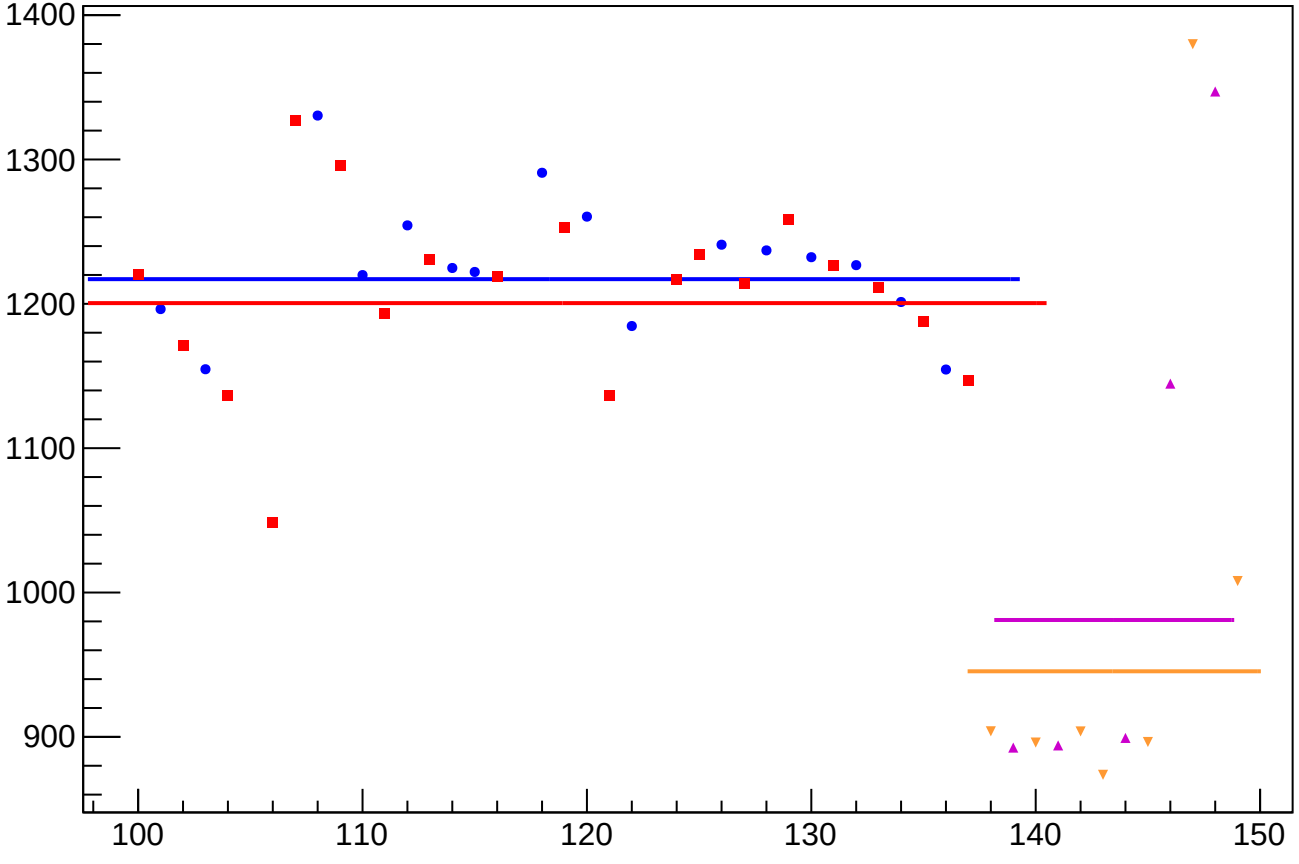
Left In: 4.551+/-0.475 χ^2/NDF:12.0/4

+ sign -0.752+/-0.305 χ^2/NDF: 123.4/22

All: 1.372+/-0.221 χ^2/NDF: 278.4/46

- 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: 945.433+/-0.292 χ^2/NDF:196359.0/6

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

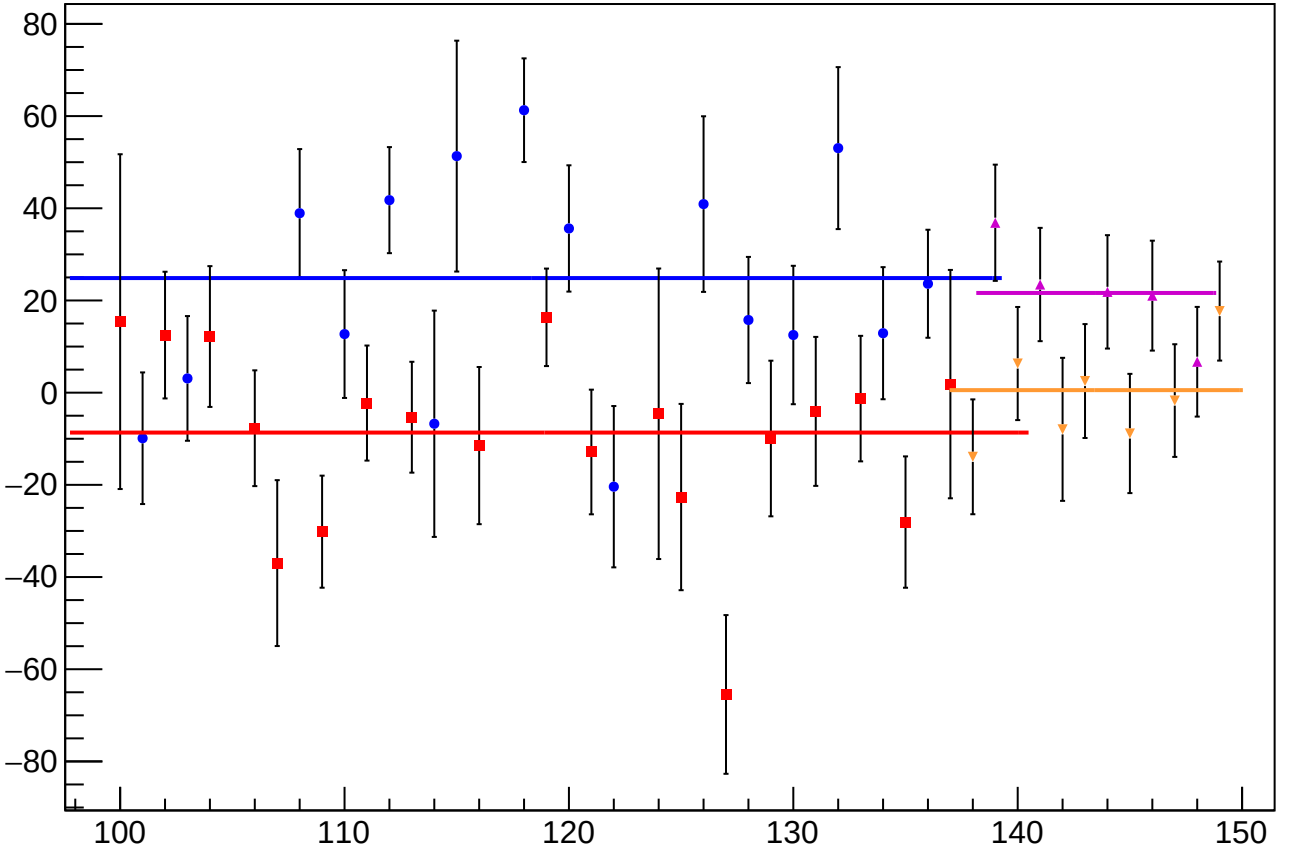
Left In: 980.977+/-0.336 χ^2/NDF:208721.8/4

+ sign 1068.759+/-0.216 χ^2/NDF: 611808.3/22

All: 1083.325+/-0.157 χ^2/NDF: 1098397.2/46

- 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: 0.548+/-4.707 χ^2/NDF:5.0/6

Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

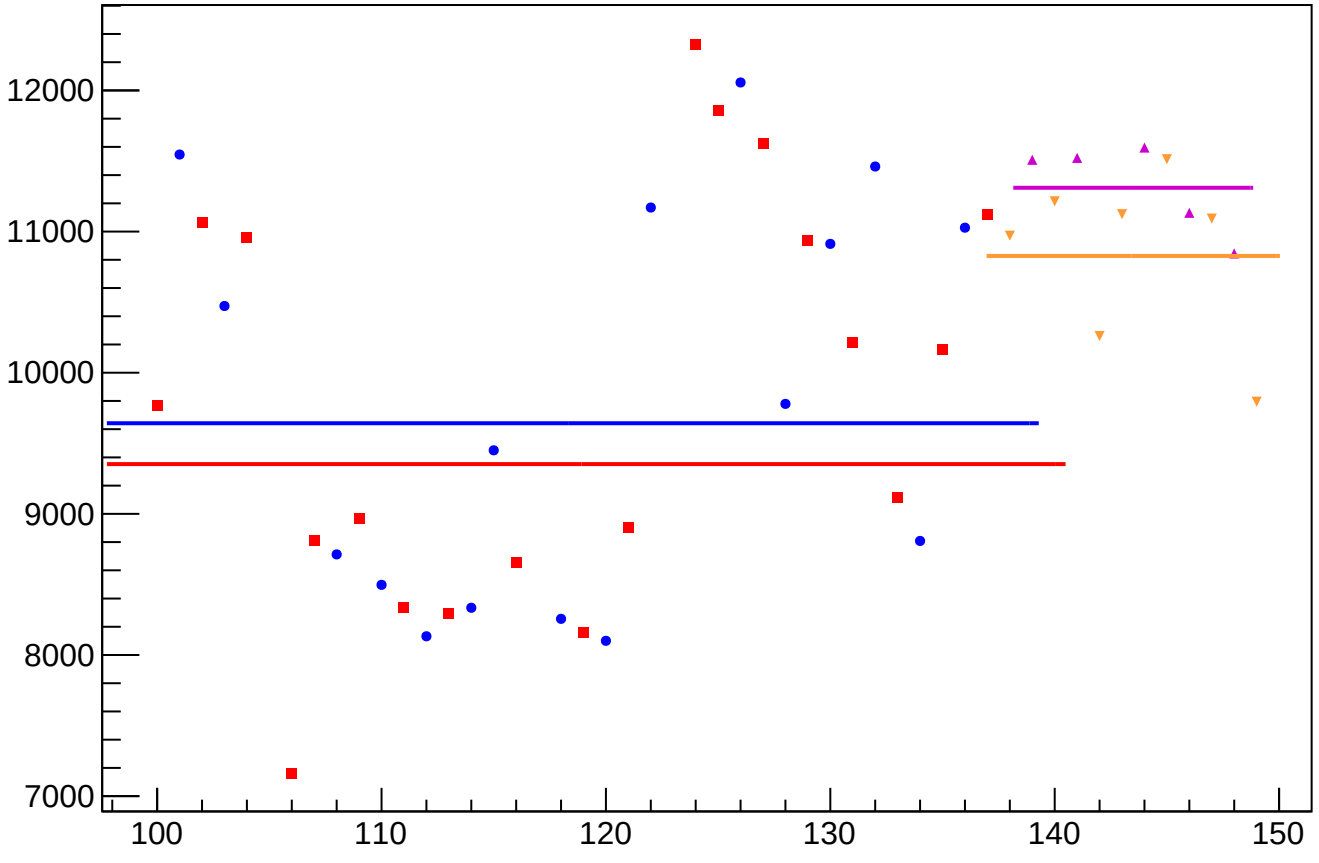
Left In: 21.630+/-5.454 χ^2/NDF:3.1/4

\+ sign 15.800+/-2.874 χ^2/NDF: 59.9/22

All: 8.026+/-2.047 χ^2/NDF: 130.0/46

\- sign 0.011+/-2.918 χ^2/NDF: 55.2/23

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10827.326+/-3.329 χ^2/NDF:31099.8/6

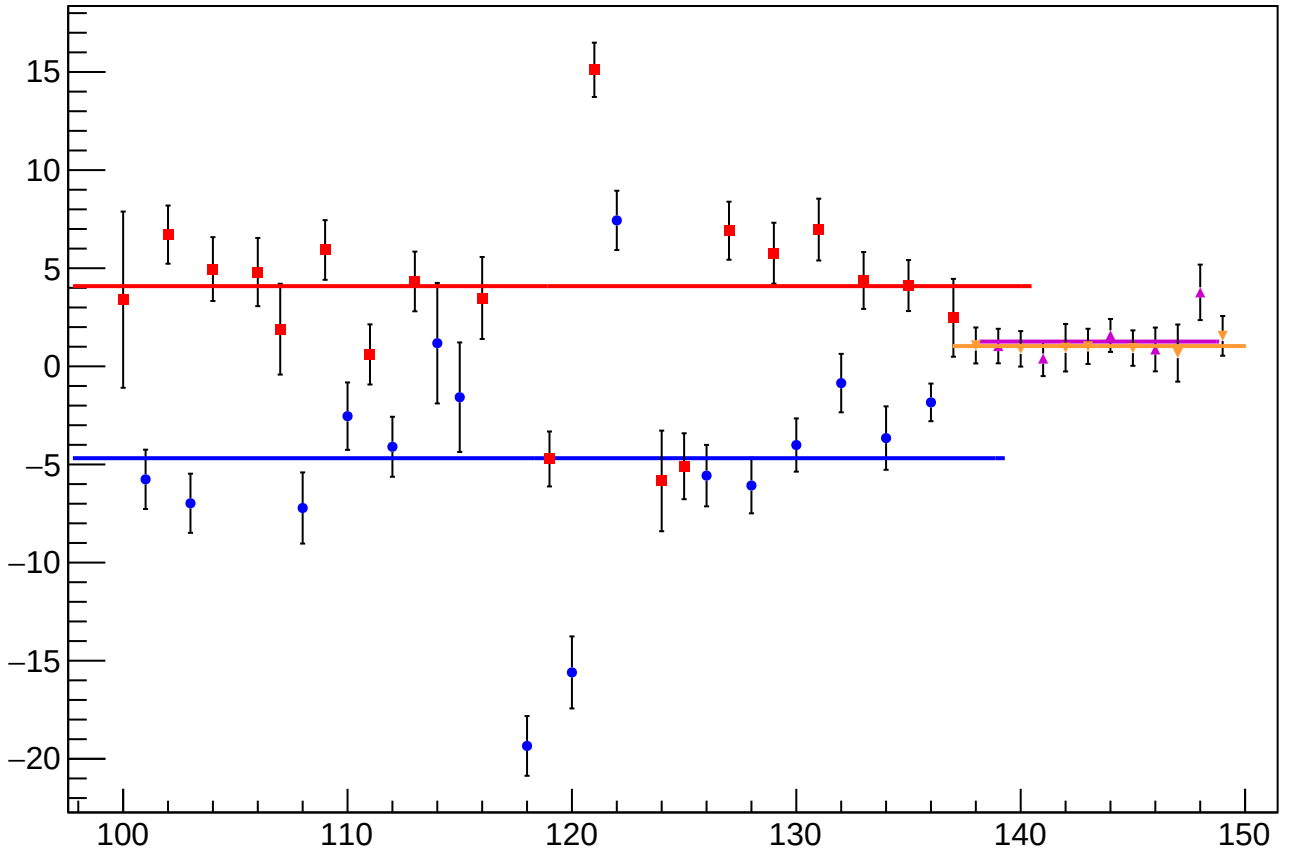
Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 11310.305+/-3.857 χ^2/NDF:5663.1/4

+ sign 10083.735+/-2.032 χ^2/NDF: 390300.5/22

All: 9999.602+/-1.448 χ^2/NDF: 885171.6/46

- sign 9912.856+/-2.063 χ^2/NDF: 491389.0/23



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.033+/-0.378 χ^2/NDF:0.4/6

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

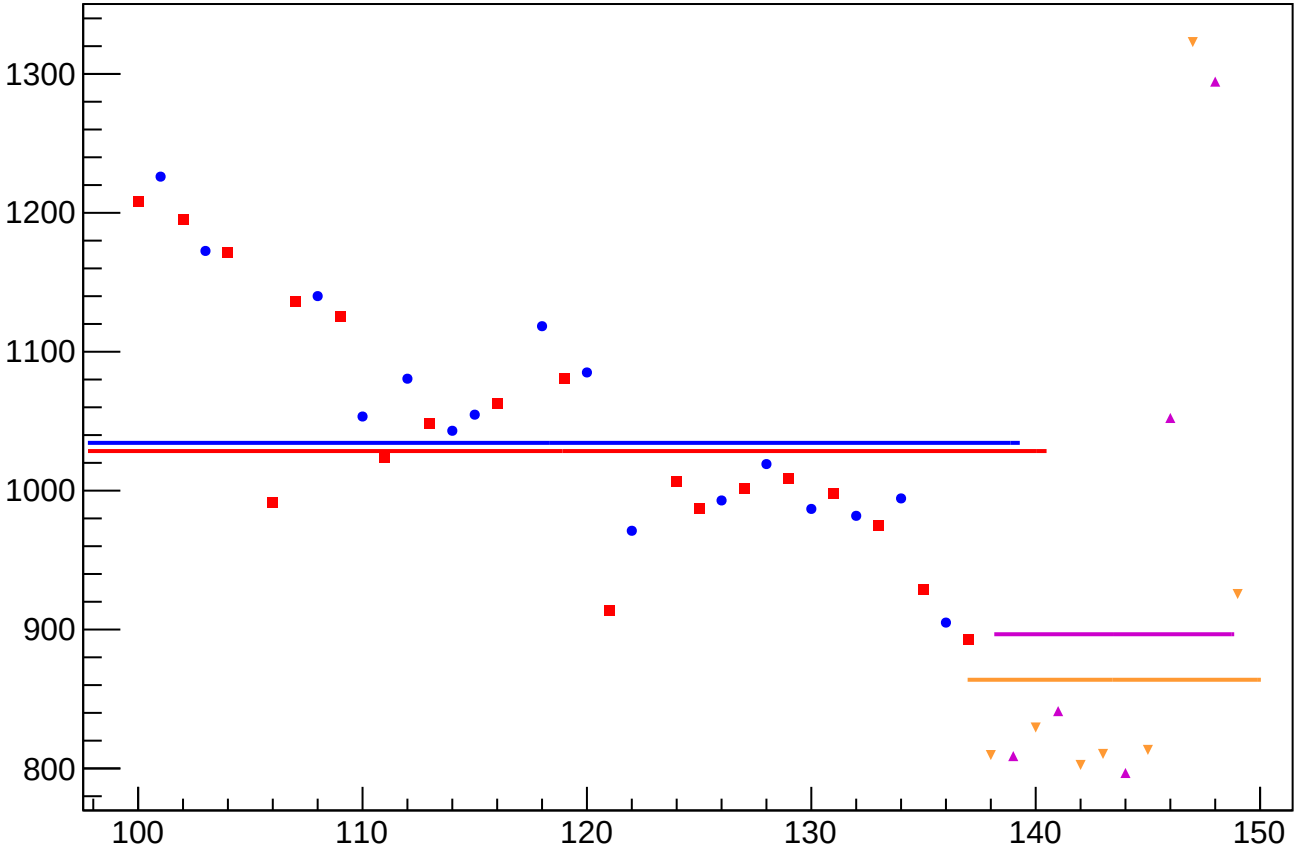
Left In: 1.262+/-0.436 χ^2/NDF:4.4/4

\+ sign -1.762+/-0.270 χ^2/NDF: 333.6/22

All: 0.433+/-0.196 χ^2/NDF: 670.1/46

\- 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: 863.842+/-0.267 χ^2/NDF:234848.3/6

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

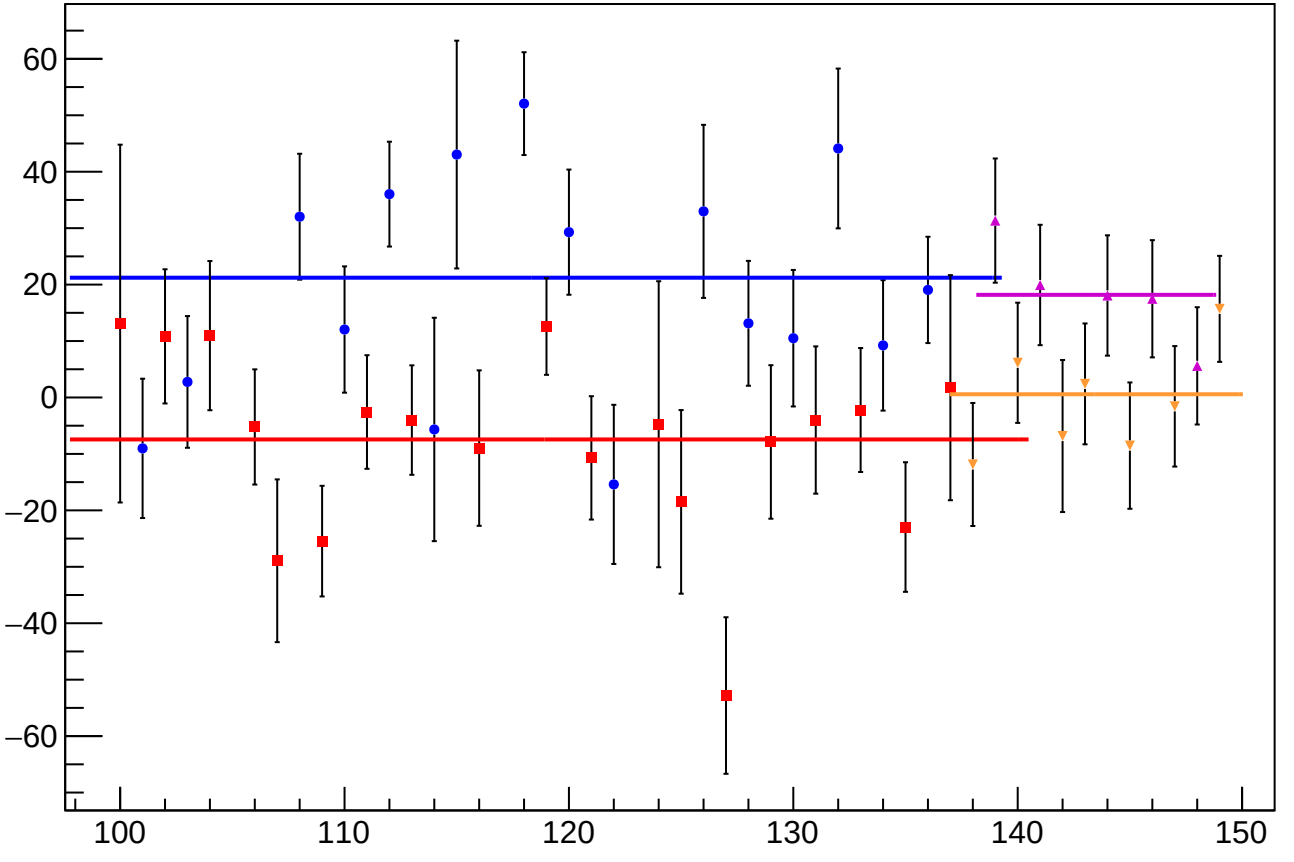
Left In: 896.613+/-0.308 χ^2/NDF:253330.5/4

+ sign 947.274+/-0.191 χ^2/NDF: 547828.9/22

All: 959.039+/-0.139 χ^2/NDF: 1015745.3/46

- 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: 0.568+/-4.097 χ^2/NDF:5.2/6

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

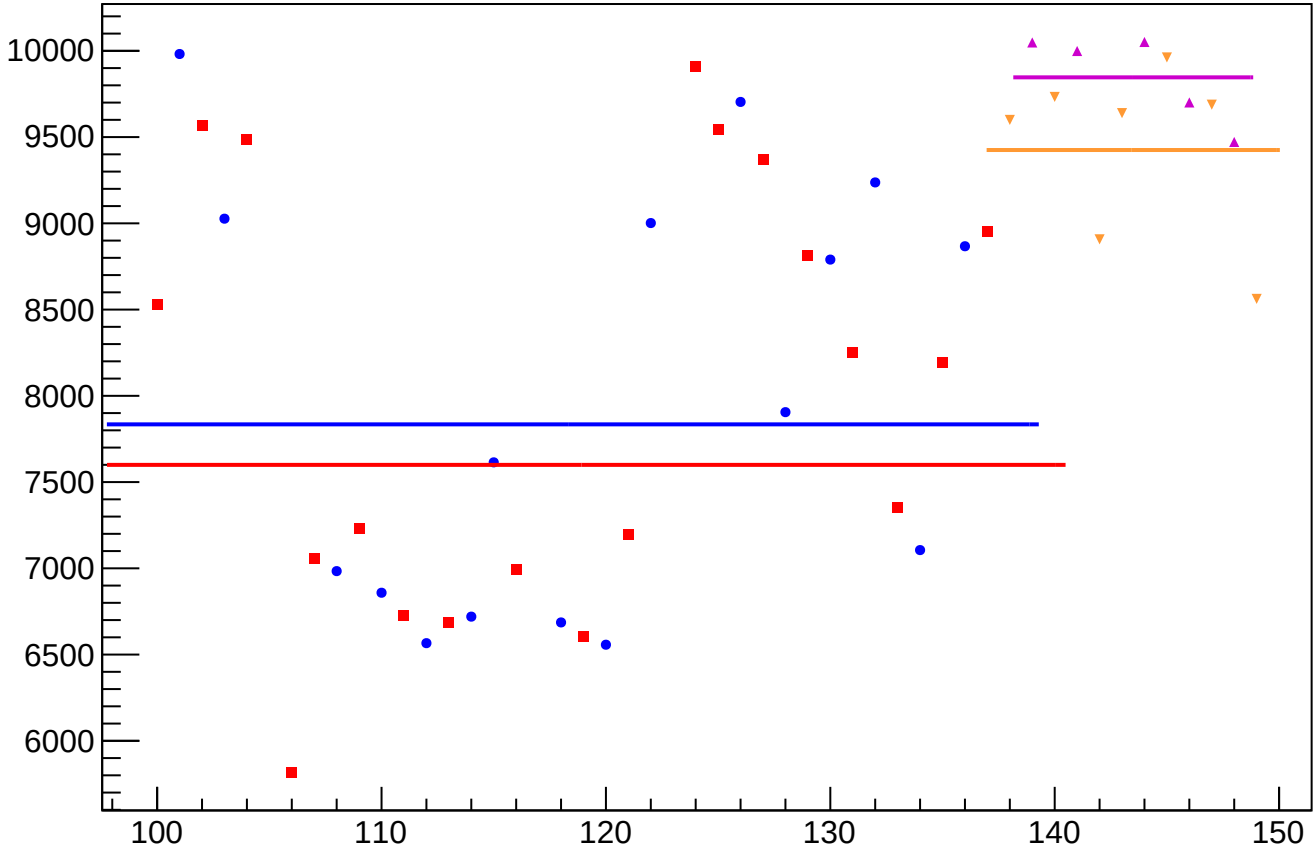
Left In: 18.185+/-4.747 χ^2/NDF:2.9/4

+ sign 14.165+/-2.395 χ^2/NDF: 62.0/22

All: 6.762+/-1.702 χ^2/NDF: 135.6/46

- 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: 9425.045+/-2.897 χ^2/NDF:28644.4/6

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

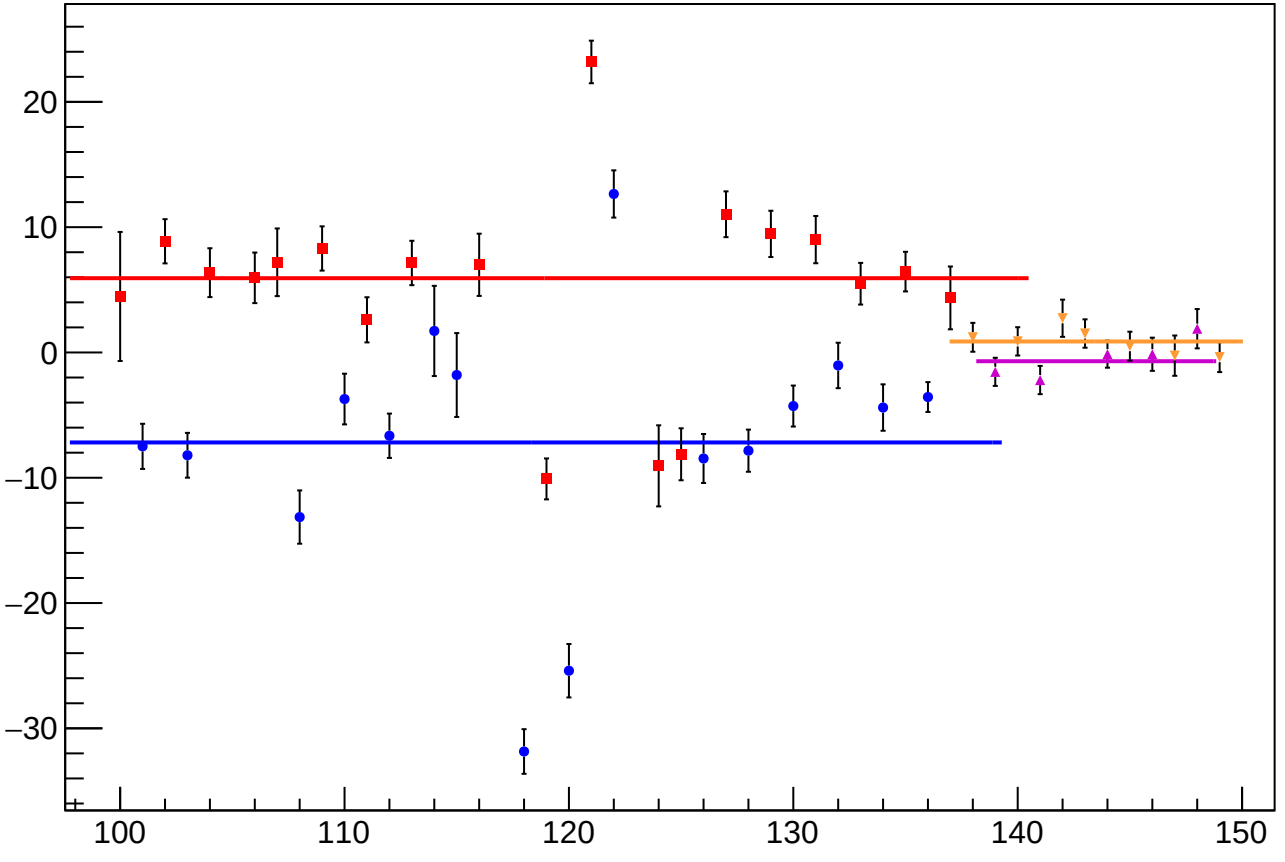
Left In: 9846.330+/-3.356 χ^2/NDF:4816.4/4

+ sign 8378.057+/-1.694 χ^2/NDF: 545124.9/22

All: 8281.388+/-1.203 χ^2/NDF: 1232540.6/46

- 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: 0.877+/-0.466 χ^2/NDF:3.7/6

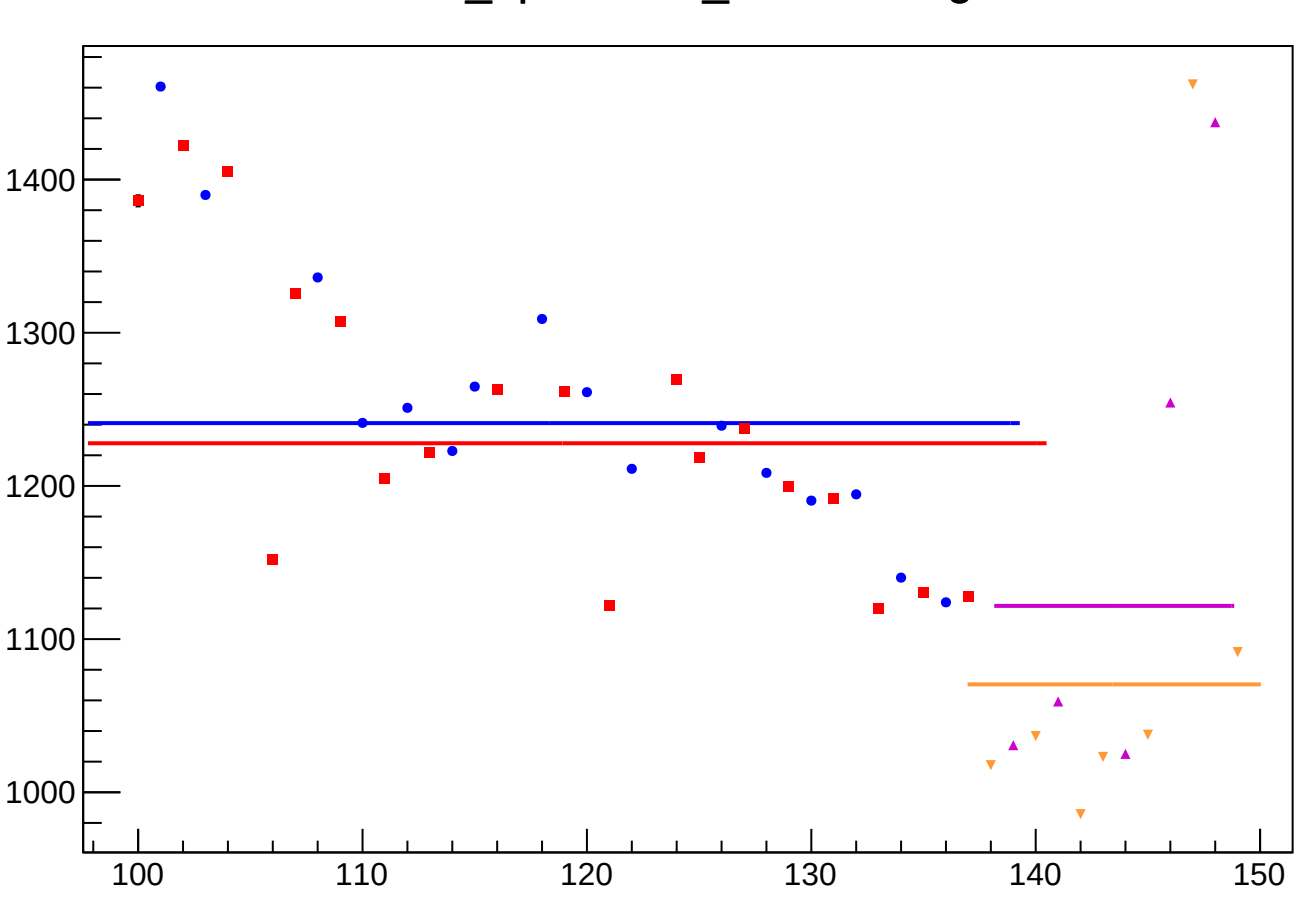
Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: -0.700+/-0.541 χ^2/NDF:5.5/4

+ sign -3.182+/-0.328 χ^2/NDF: 576.7/22

All: -0.145+/-0.238 χ^2/NDF: 1142.1/46

- 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: 1070.454+/-0.329 χ^2/NDF:136879.9/6

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

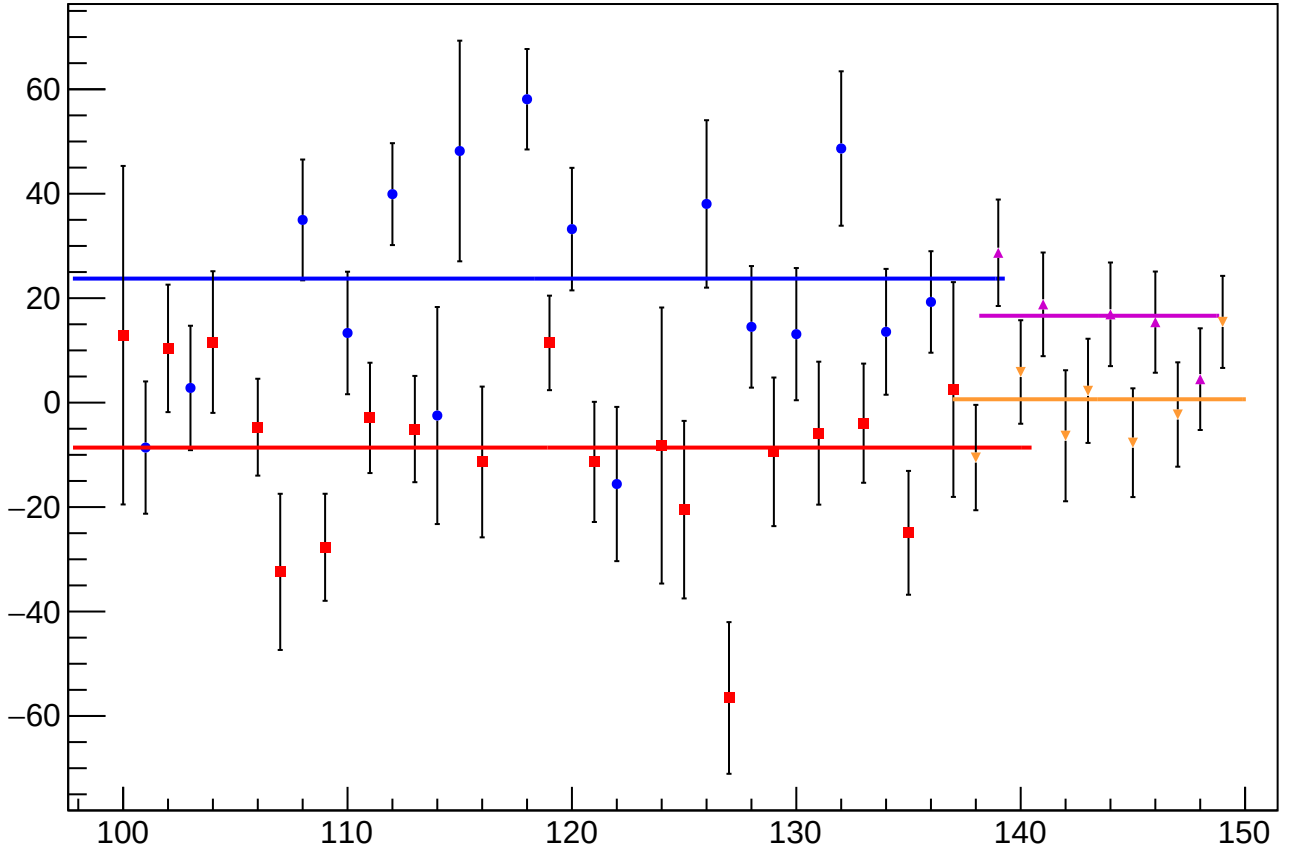
Left In: 1121.694+/-0.383 χ^2/NDF:136394.7/4

+ sign 1156.354+/-0.232 χ^2/NDF: 352624.3/22

All: 1169.723+/-0.168 χ^2/NDF: 623944.5/46

- 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: 0.643+/-3.820 χ^2/NDF:5.4/6

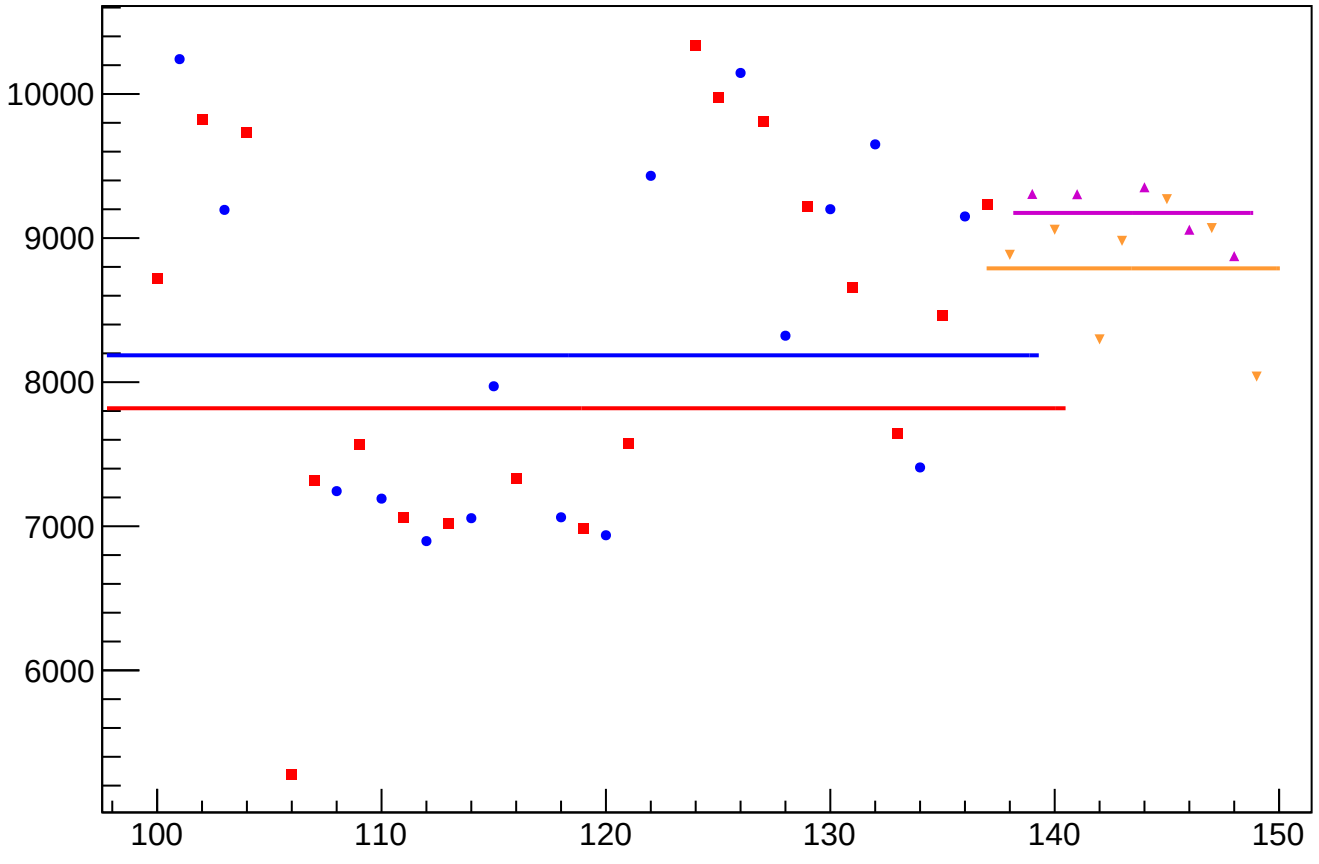
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 16.634+/-4.422 χ^2/NDF:3.0/4

+ sign 14.642+/-2.398 χ^2/NDF: 71.0/22

All: 6.895+/-1.705 χ^2/NDF: 148.3/46

- 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: 8789.905+/-2.701 χ^2/NDF:25793.7/6

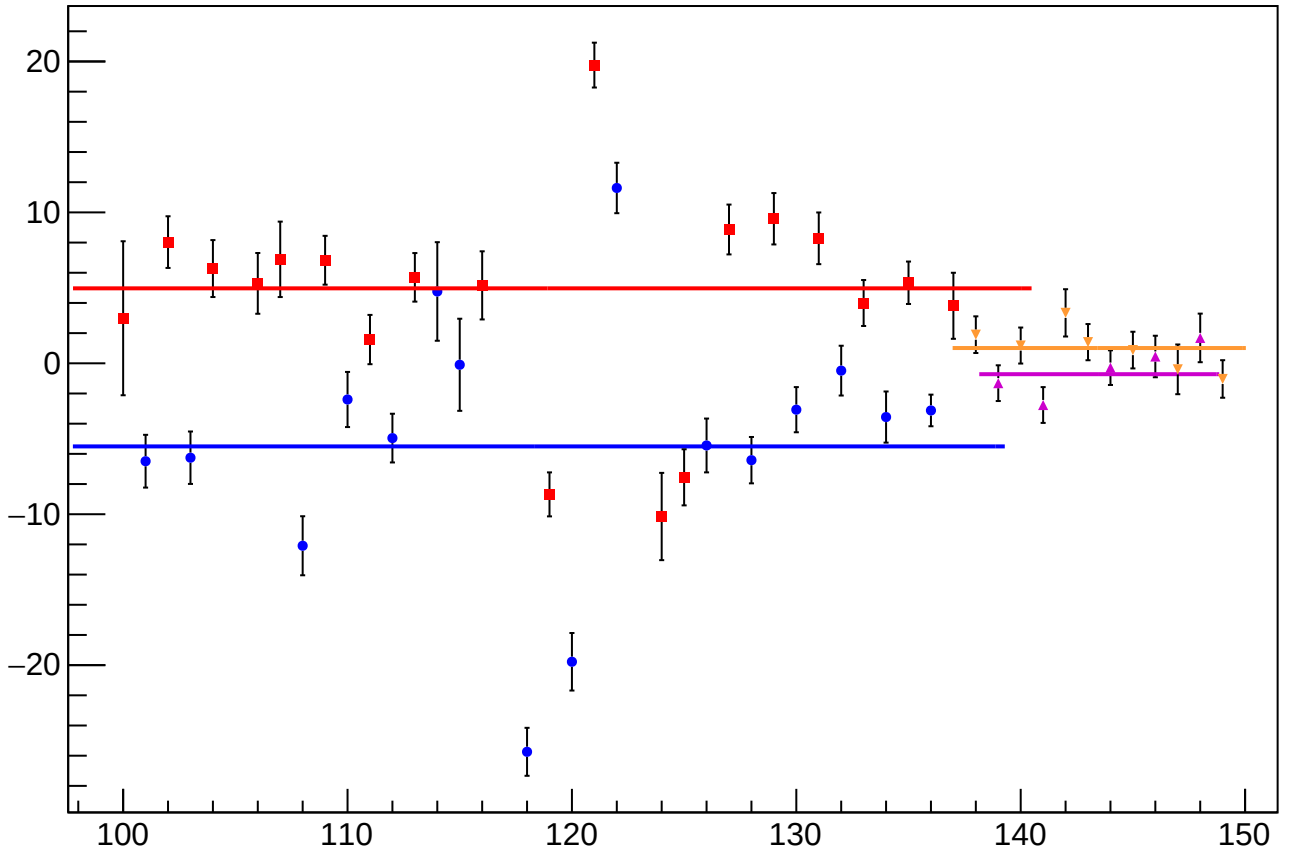
Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 9174.675+/-3.127 χ^2/NDF:3508.6/4

+ sign 8424.258+/-1.696 χ^2/NDF: 346666.0/22

All: 8326.449+/-1.206 χ^2/NDF: 911381.1/46

- sign 8226.508+/-1.714 χ^2/NDF: 557990.3/23



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.012+/-0.489 χ^2/NDF:6.3/6

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

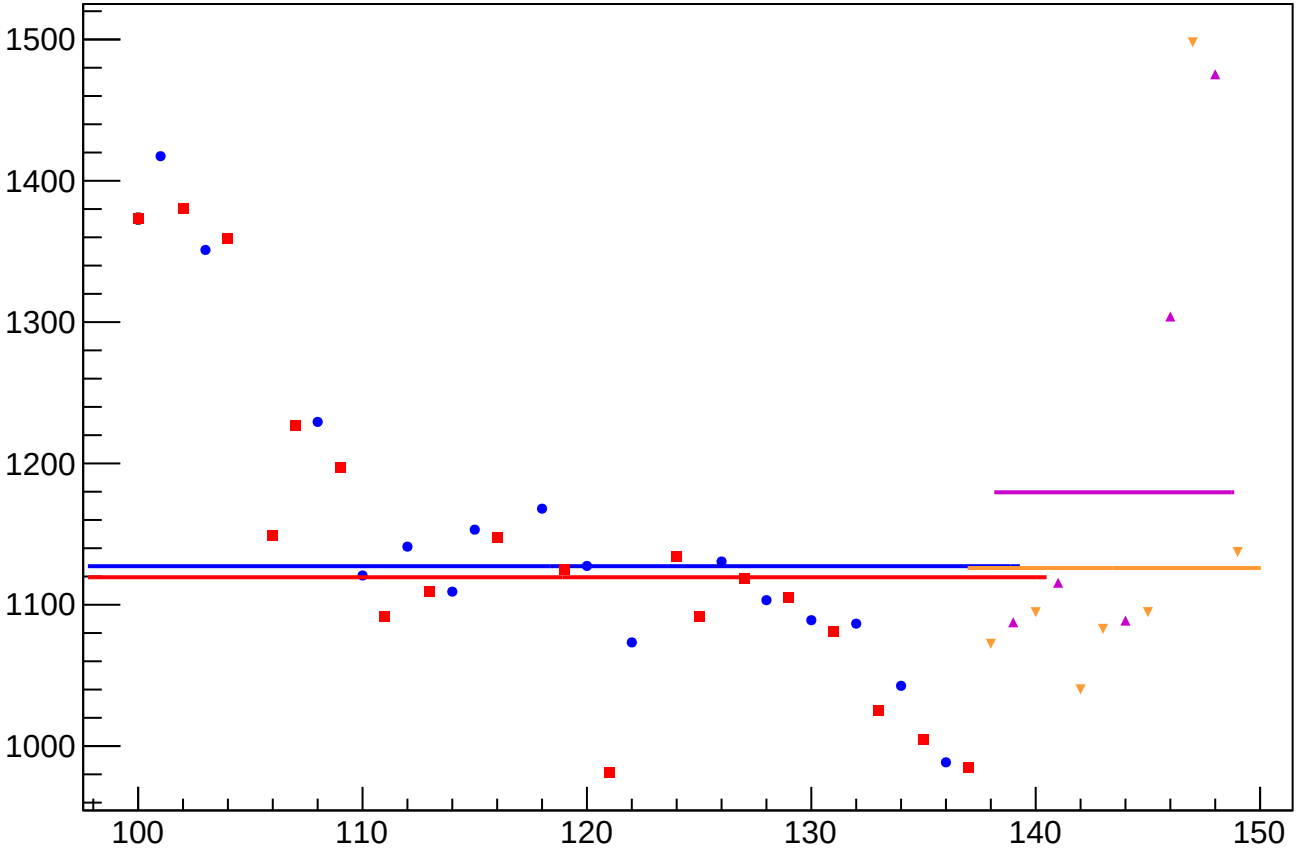
Left In: -0.721+/-0.568 χ^2/NDF:6.3/4

+ sign -2.735+/-0.319 χ^2/NDF: 478.1/22

All: 0.022+/-0.230 χ^2/NDF: 993.3/46

- 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: 1125.997+/-0.346 χ^2/NDF:117311.8/6

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

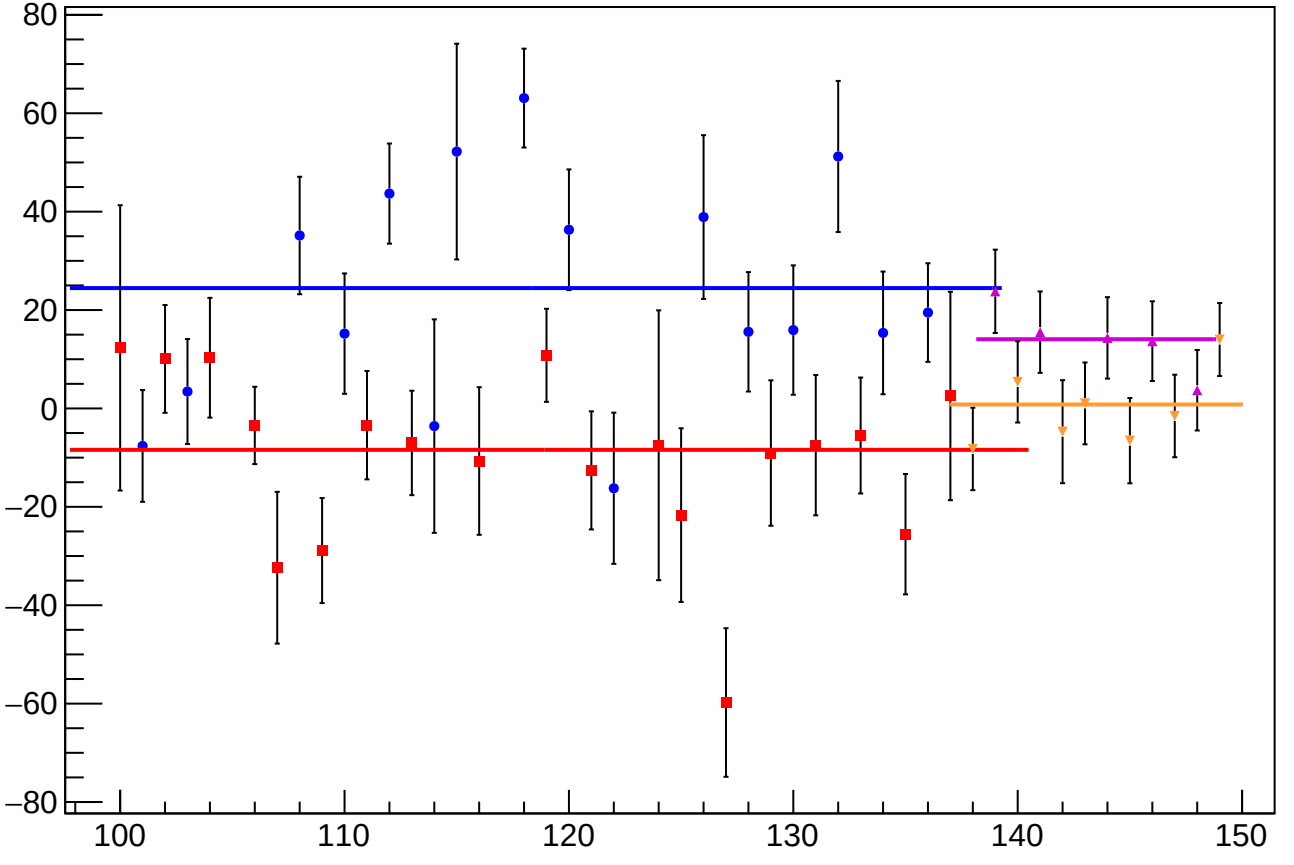
Left In: 1179.573+/-0.402 χ^2/NDF:114270.4/4

+ sign 1126.740+/-0.226 χ^2/NDF: 257935.6/22

All: 1133.128+/-0.163 χ^2/NDF: 529318.8/46

- 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: 0.803+/-3.192 χ^2/NDF:5.7/6

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

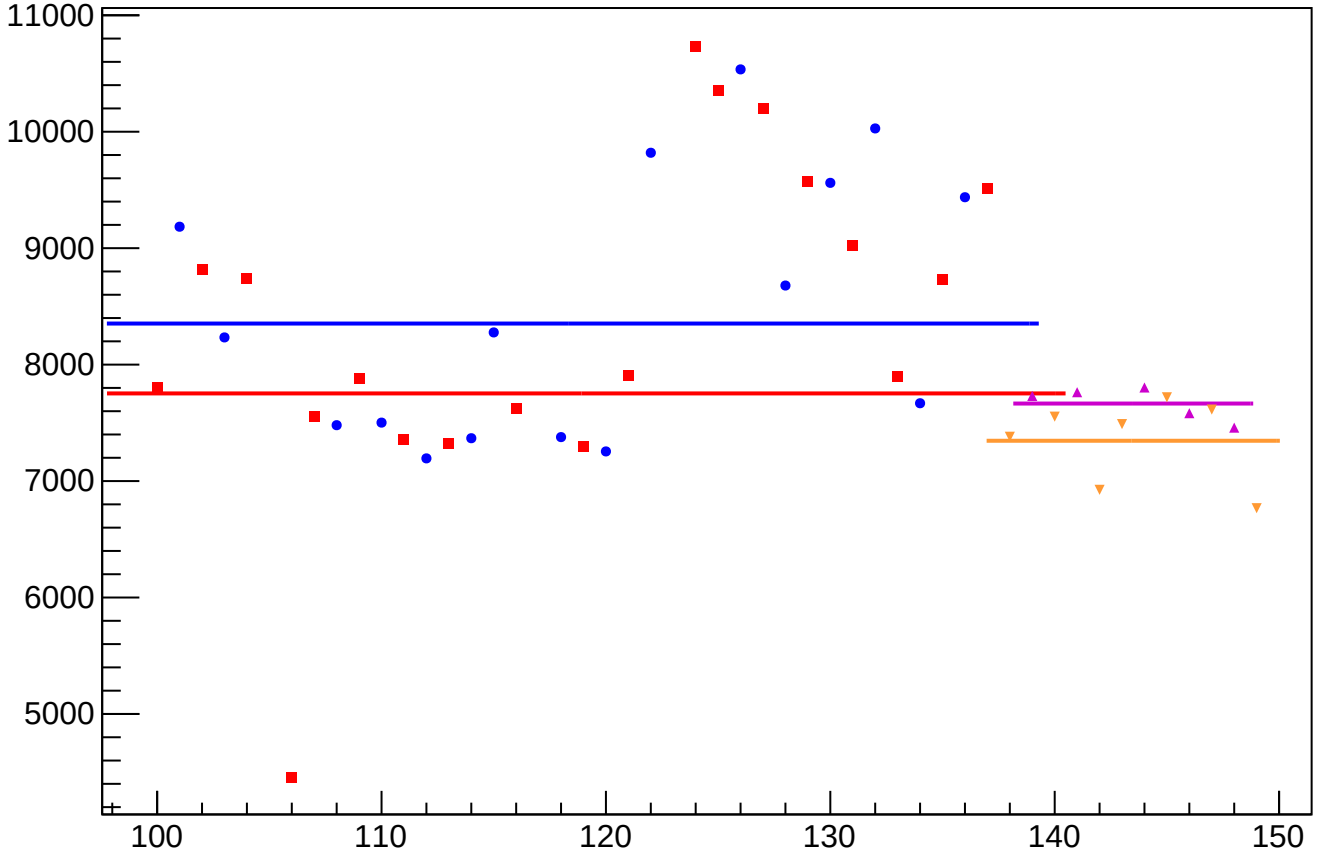
Left In: 14.068+/-3.694 χ^2/NDF:3.0/4

+ sign 12.842+/-2.237 χ^2/NDF: 82.0/22

All: 6.596+/-1.596 χ^2/NDF: 154.9/46

- 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: 7346.176+/-2.257 χ^2/NDF:23046.2/6

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

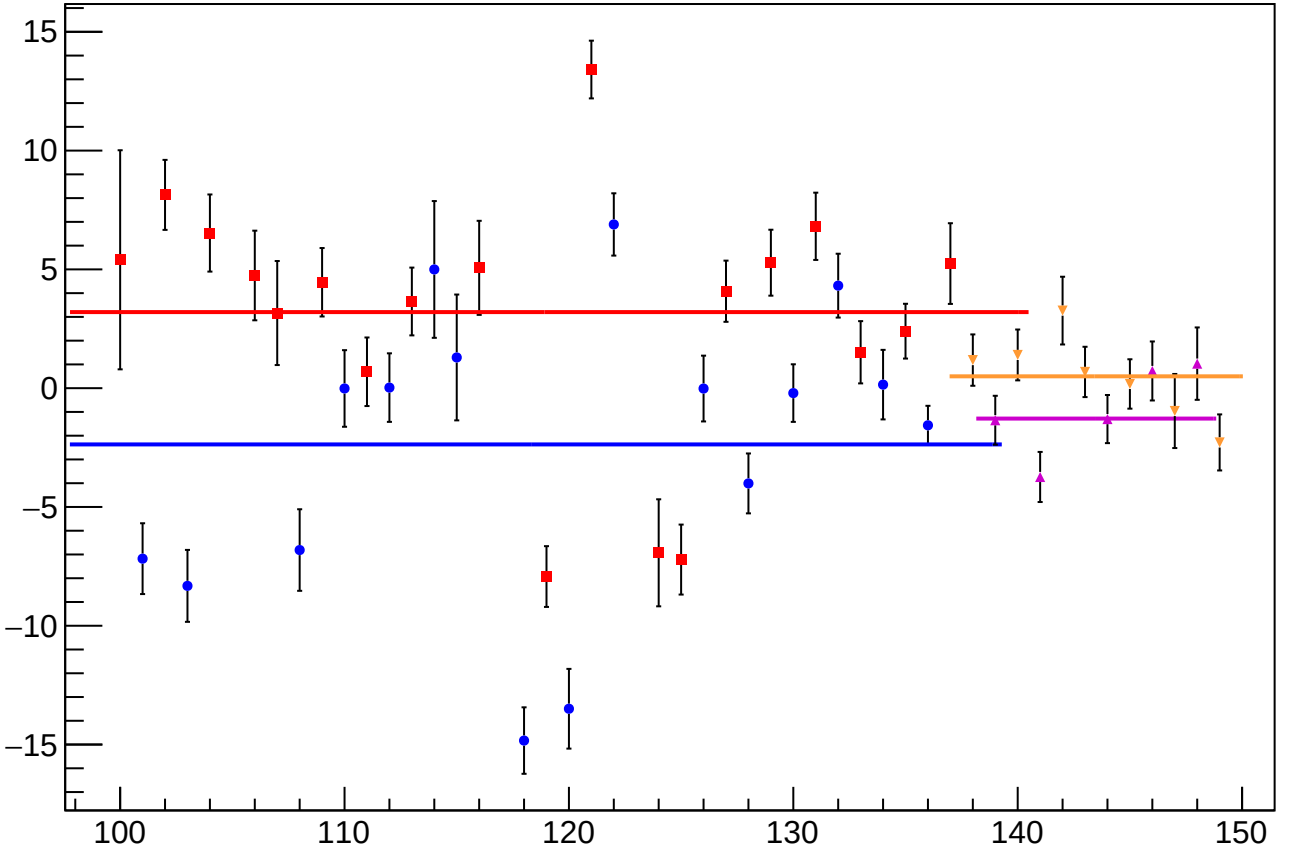
Left In: 7665.749+/-2.612 χ^2/NDF:2438.7/4

+ sign 7858.358+/-1.582 χ^2/NDF: 344655.2/22

All: 7790.219+/-1.128 χ^2/NDF: 939629.9/46

- 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: 0.499+/-0.440 χ^2/NDF:11.4/6

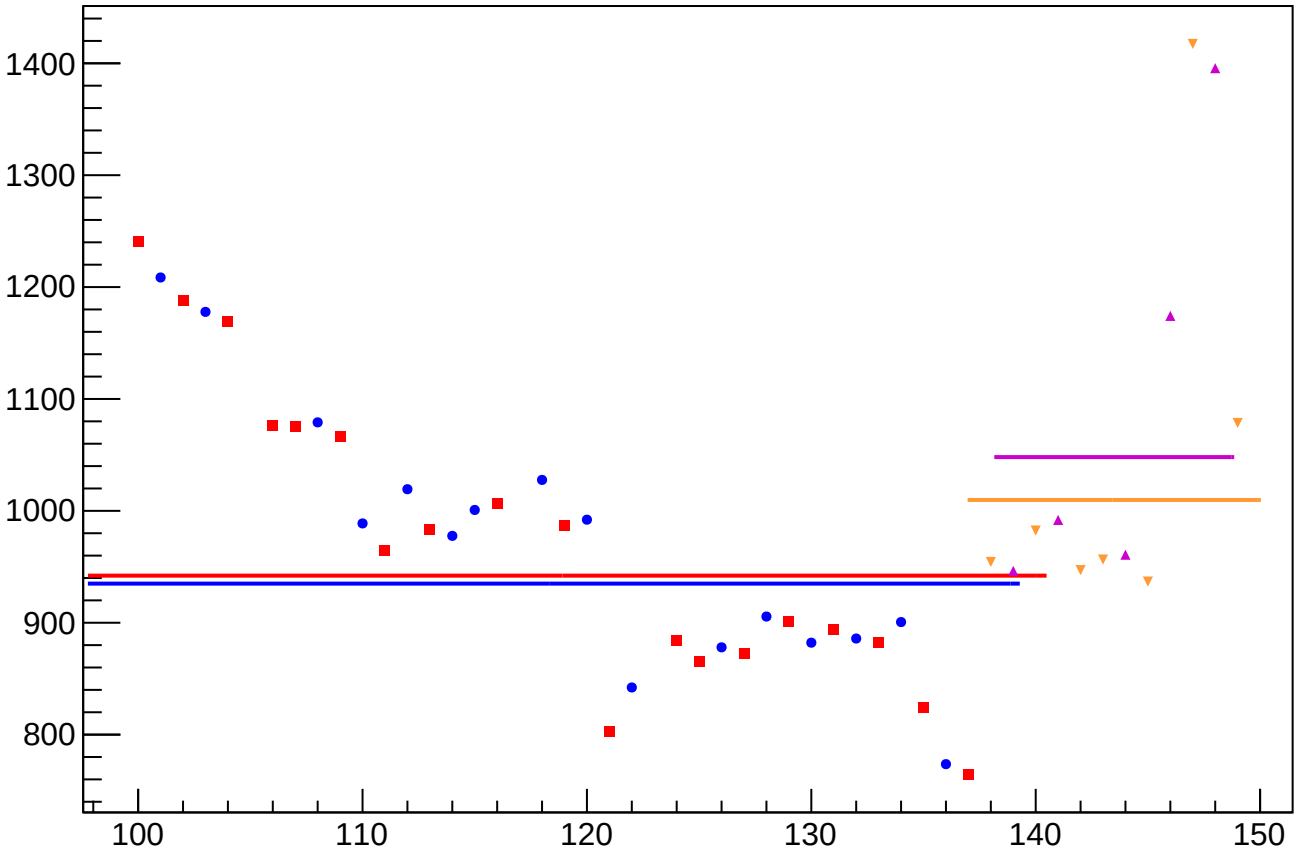
Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: -1.280+/-0.507 χ^2/NDF:10.3/4

+ sign -1.255+/-0.274 χ^2/NDF: 293.0/22

All: 0.196+/-0.198 χ^2/NDF: 665.7/46

- 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: 1009.731+/-0.311 χ^2/NDF:168809.9/6

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

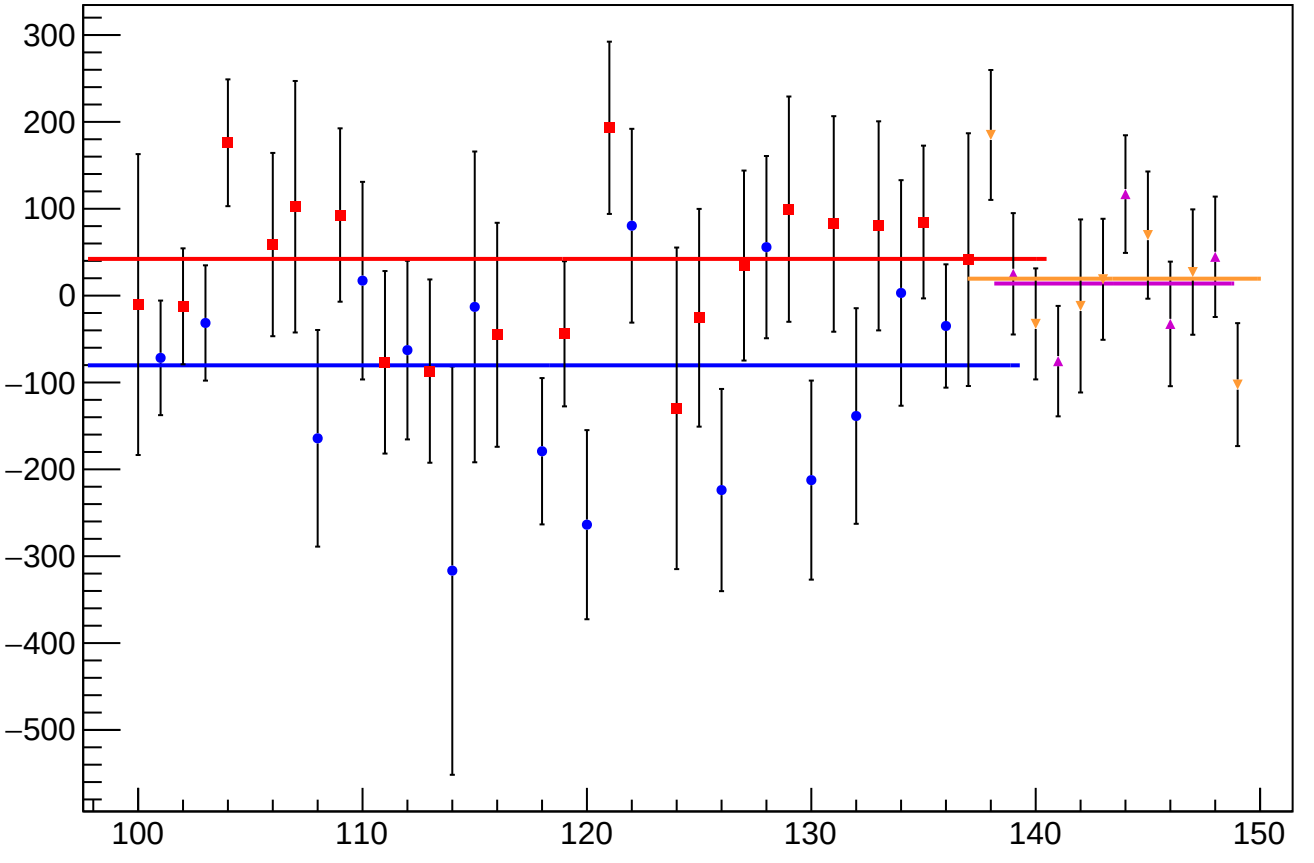
Left In: 1048.057+/-0.358 χ^2/NDF:164843.8/4

+ sign 964.000+/-0.194 χ^2/NDF: 458508.1/22

All: 969.679+/-0.140 χ^2/NDF: 917238.6/46

- 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: 19.500+/-27.642 χ^2/NDF:9.1/6

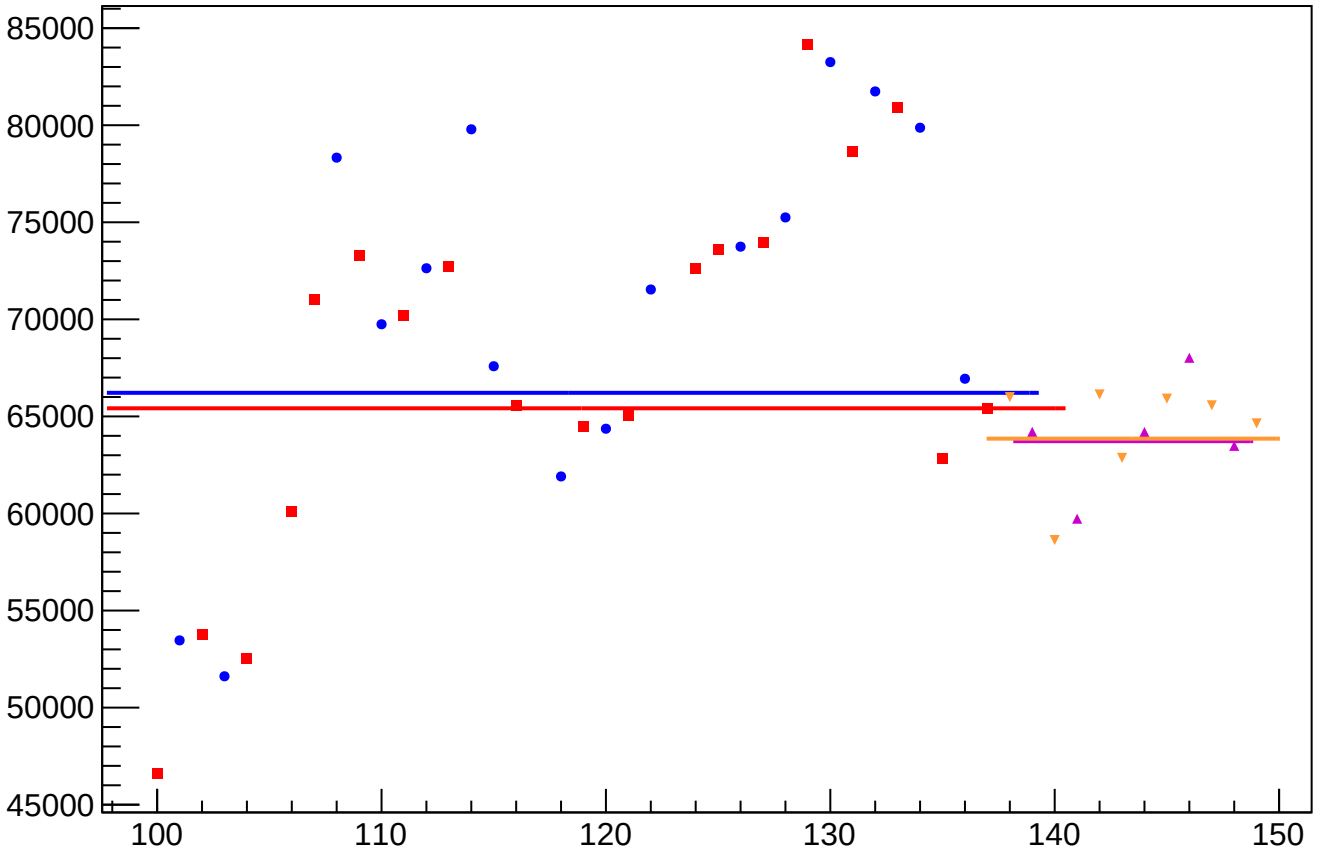
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 13.919+/-30.527 χ^2/NDF:4.9/4

+ sign -35.549+/-18.504 χ^2/NDF: 31.1/22

All: -2.870+/-13.235 χ^2/NDF: 55.9/46

- 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: 63854.555+/-19.546 χ^2/NDF:19407.7/6

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

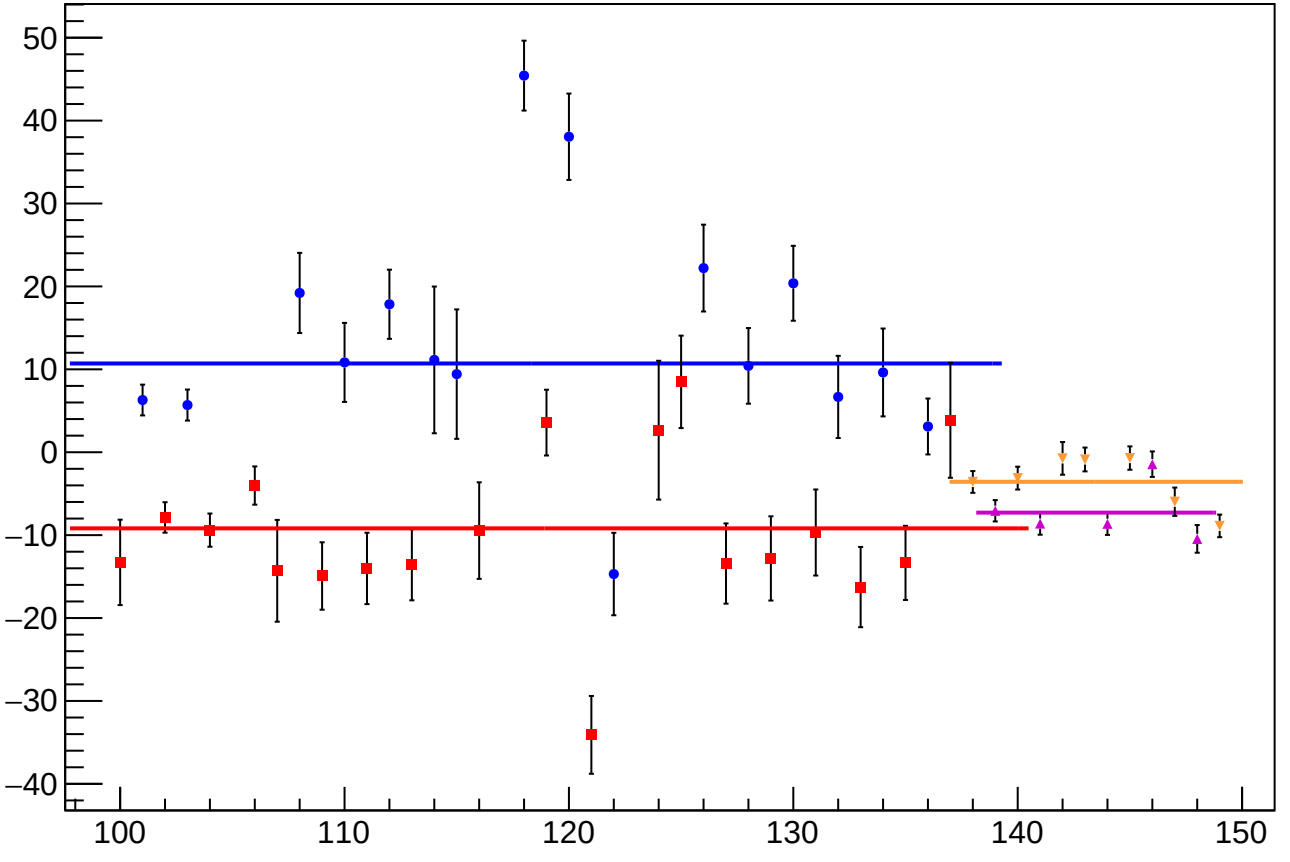
Left In: 63725.109+/-21.586 χ^2/NDF:15286.4/4

+ sign 65157.826+/-13.085 χ^2/NDF: 365841.4/22

All: 64966.859+/-9.359 χ^2/NDF: 689905.8/46

- 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: -3.566+/-0.556 χ^2/NDF:27.0/6

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

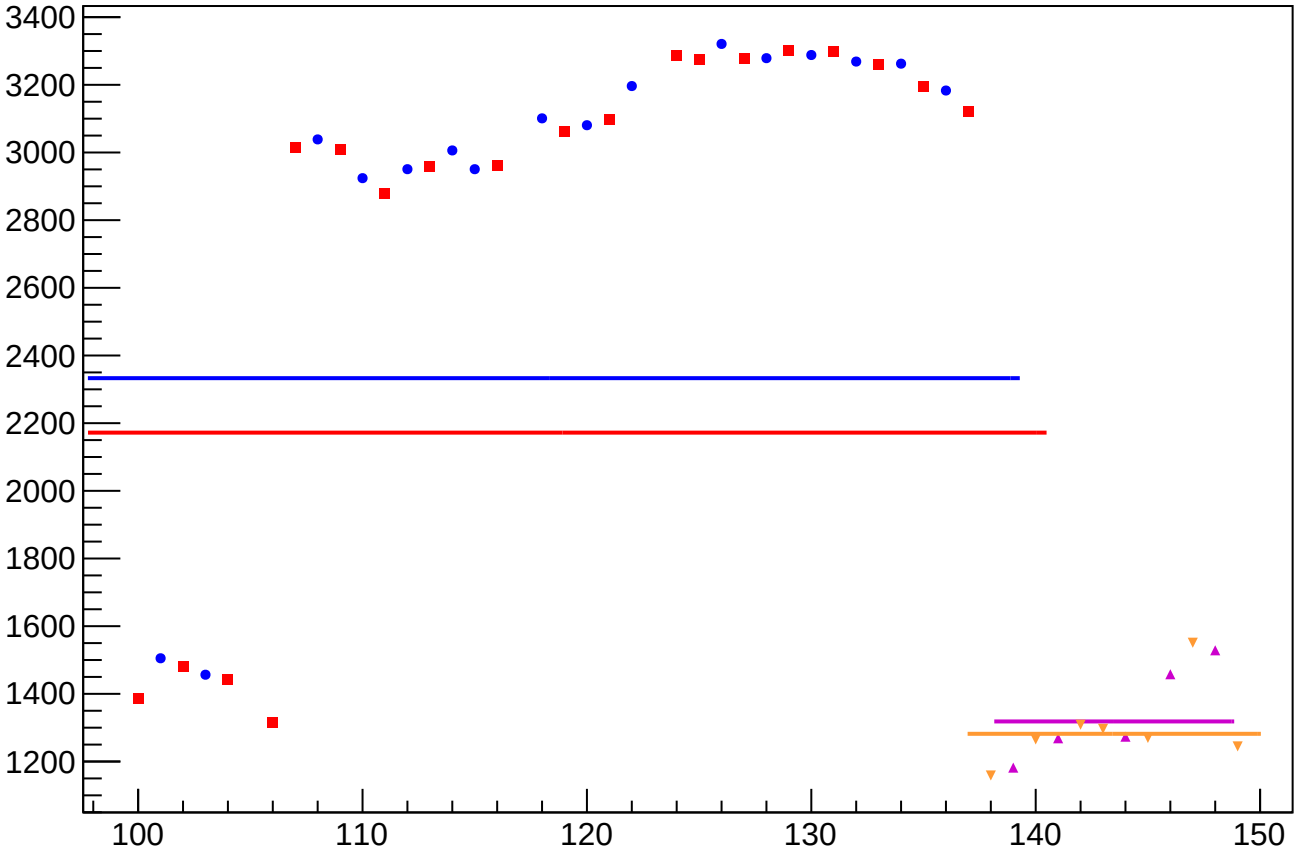
Left In: -7.284+/-0.634 χ^2/NDF:20.1/4

+ sign 0.248+/-0.476 χ^2/NDF: 358.7/22

All: -3.589+/-0.347 χ^2/NDF: 590.6/46

- 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: 1281.881+/-0.393 χ^2/NDF:69932.7/6

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

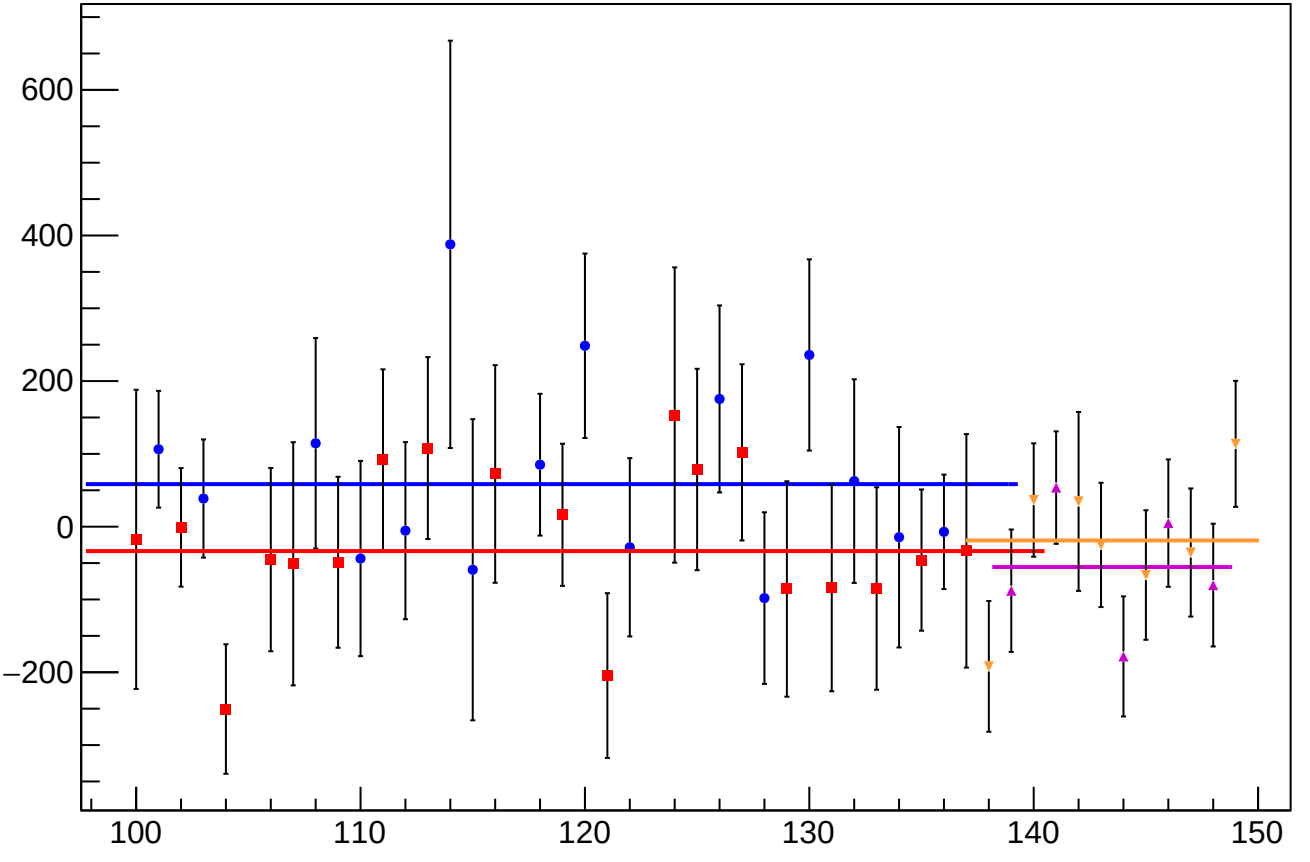
Left In: 1318.429+/-0.448 χ^2/NDF:75717.4/4

+ sign 1562.829+/-0.337 χ^2/NDF: 3632049.5/22

All: 1591.088+/-0.246 χ^2/NDF: 7003302.4/46

- 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: -18.923+/-33.688 χ^2/NDF:7.1/6

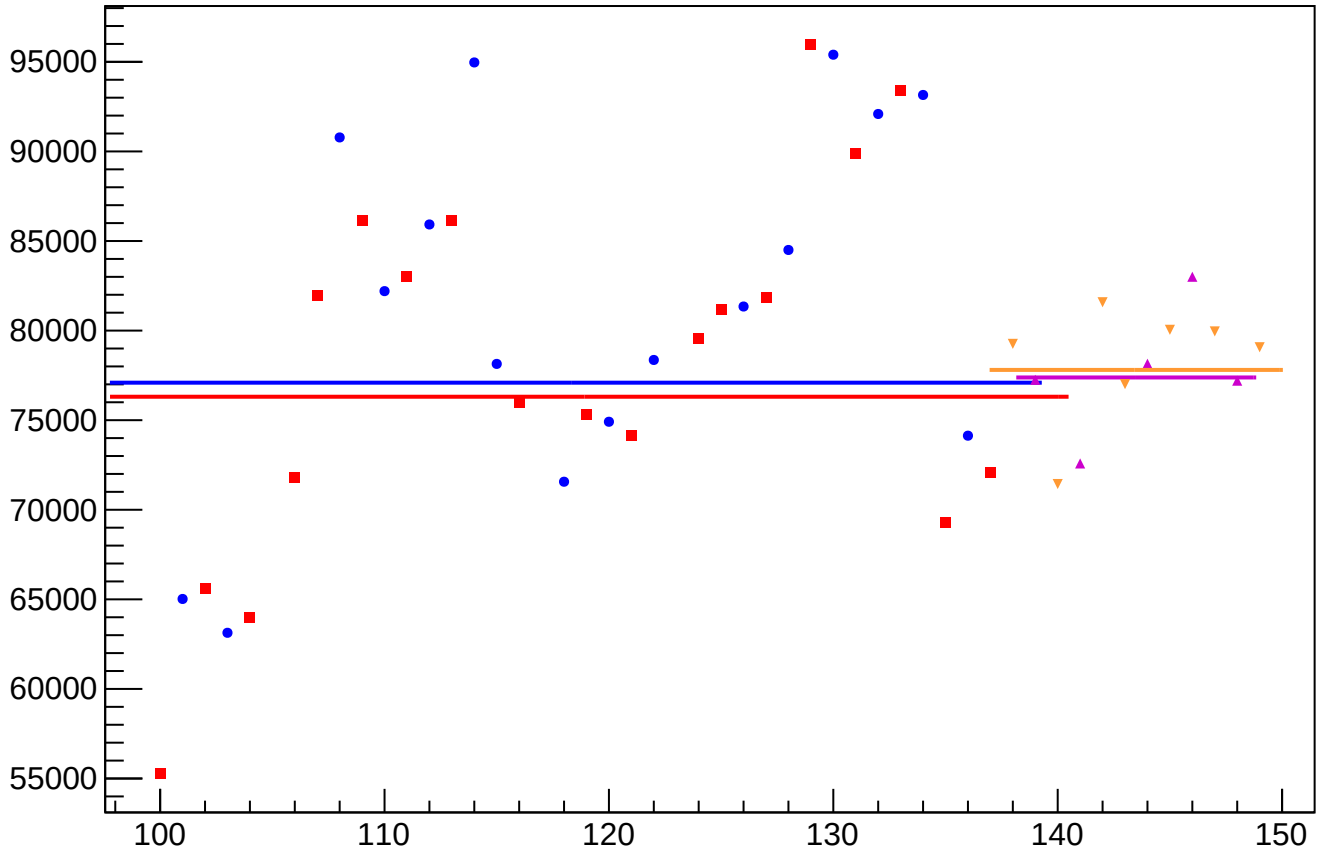
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -55.410+/-37.078 χ^2/NDF:4.9/4

+ sign 25.623+/-21.942 χ^2/NDF: 21.4/22

All: -7.253+/-15.674 χ^2/NDF: 45.8/46

- sign -41.508+/-22.398 χ^2/NDF: 19.8/23



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 77805.618+/-23.821 χ^2/NDF:18848.9/6

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

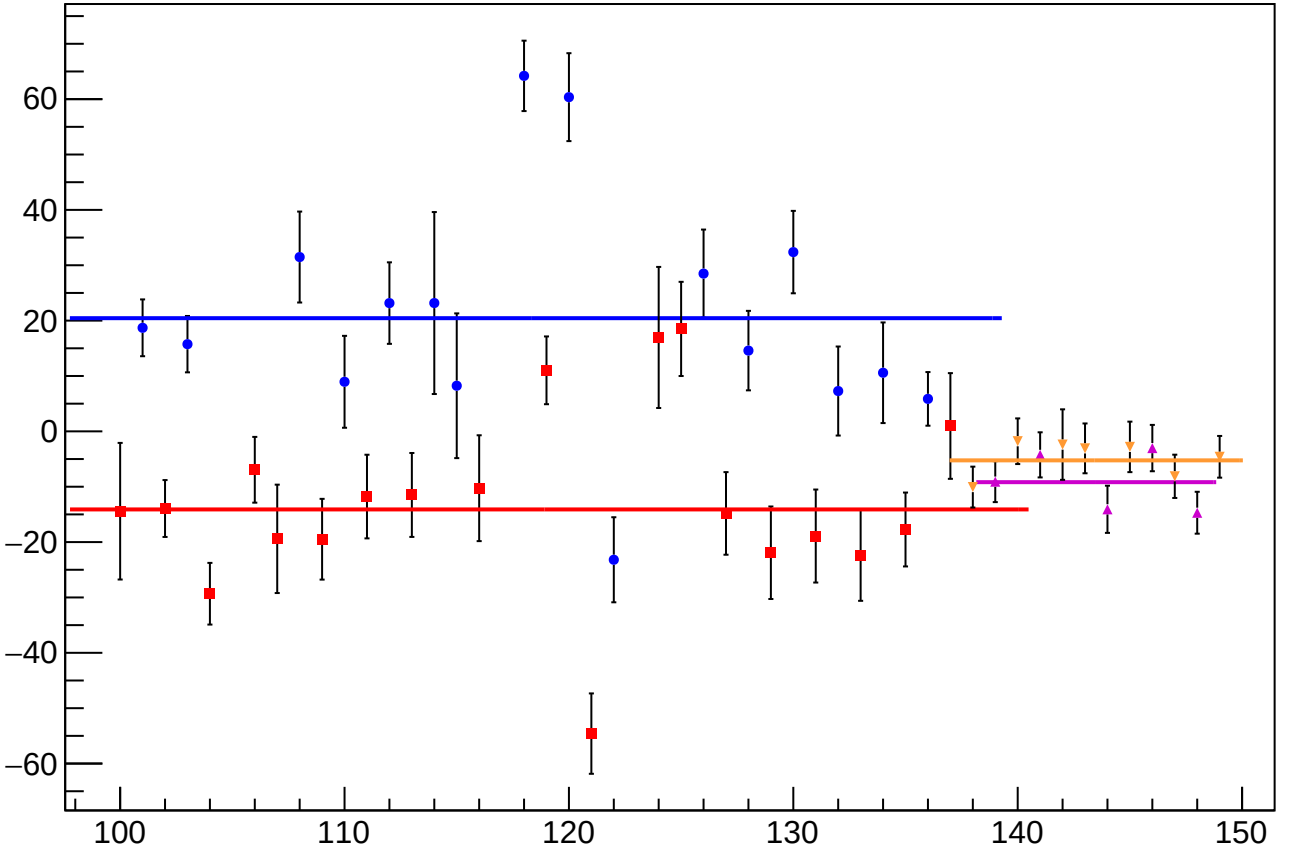
Left In: 77383.816+/-26.218 χ^2/NDF:16158.4/4

+ sign 77395.395+/-15.516 χ^2/NDF: 267906.7/22

All: 77055.347+/-11.083 χ^2/NDF: 520547.1/4

- 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: -5.240+/-1.601 χ^2/NDF:3.7/6

Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

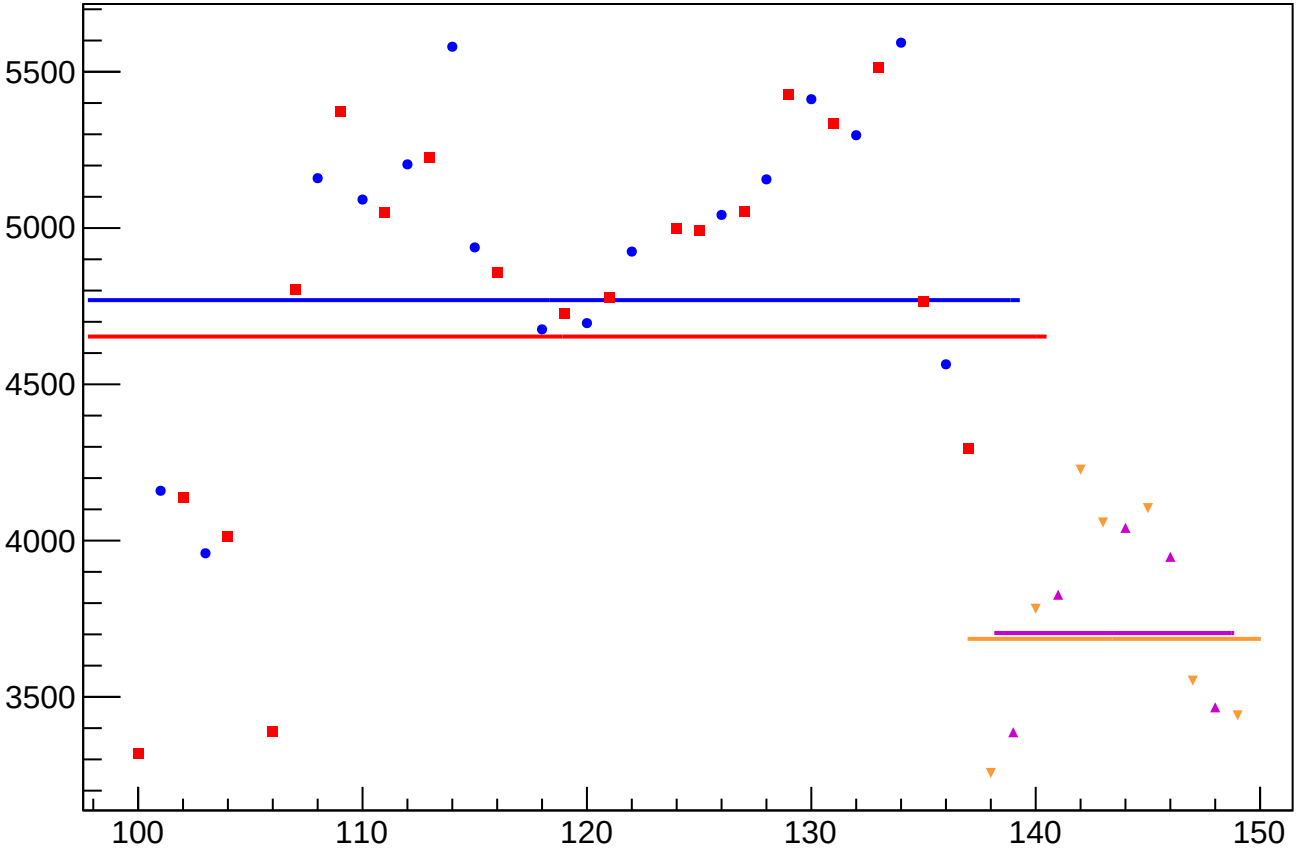
Left In: -9.177+/-1.781 χ^2/NDF:7.1/4

+ sign 6.227+/-1.191 χ^2/NDF: 246.5/22

All: -2.428+/-0.857 χ^2/NDF: 450.9/46

- sign -11.734+/-1.235 χ^2/NDF: 94.8/23

diff_bpm0r05Y_rms vs Slug



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3685.627+/-1.132 χ^2/NDF:83904.1/6

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

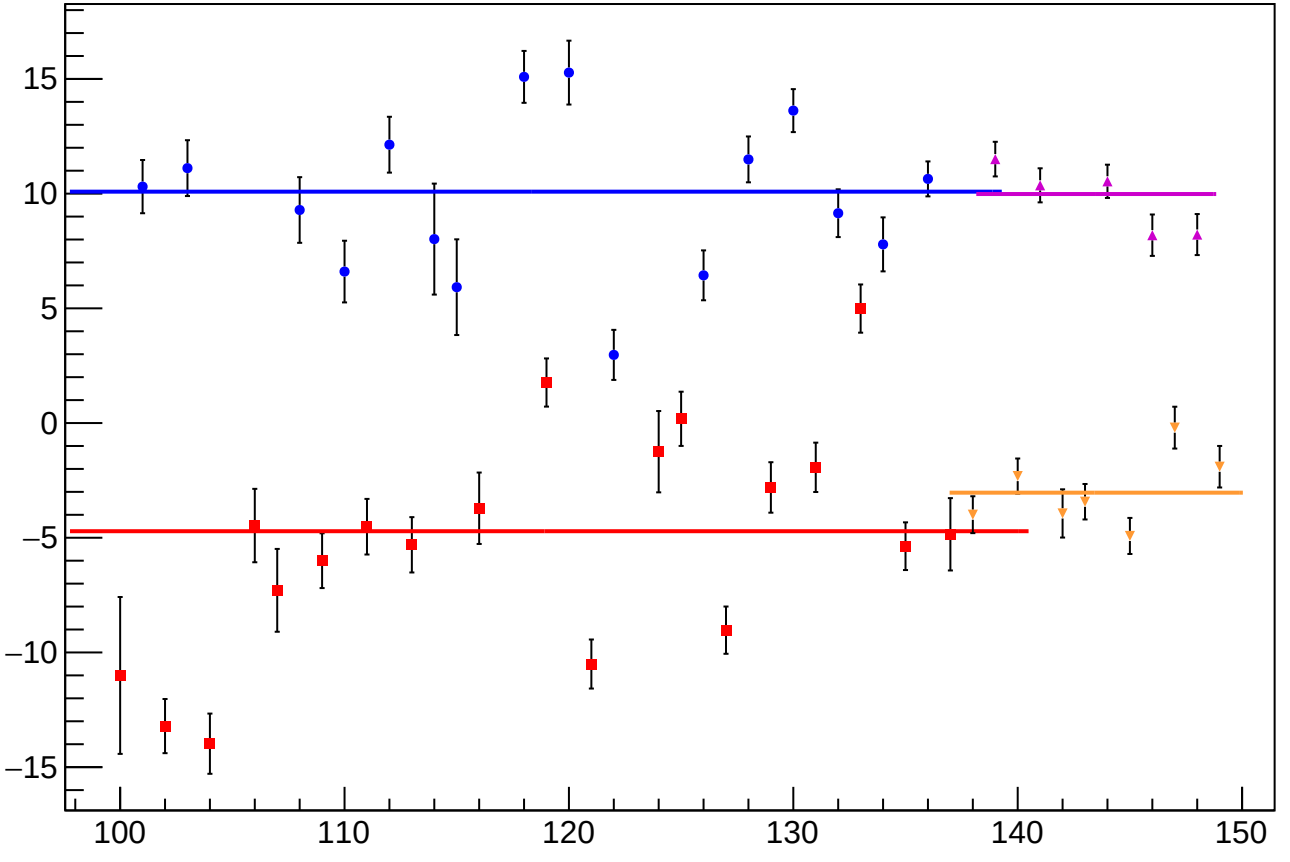
Left In: 3704.358+/-1.259 χ^2/NDF:43686.5/4

+ sign 4169.553+/-0.842 χ^2/NDF: 645017.1/22

All: 4182.730+/-0.606 χ^2/NDF: 1248959.3/46

- 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: -3.035+/-0.318 χ^2/NDF:20.3/6

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

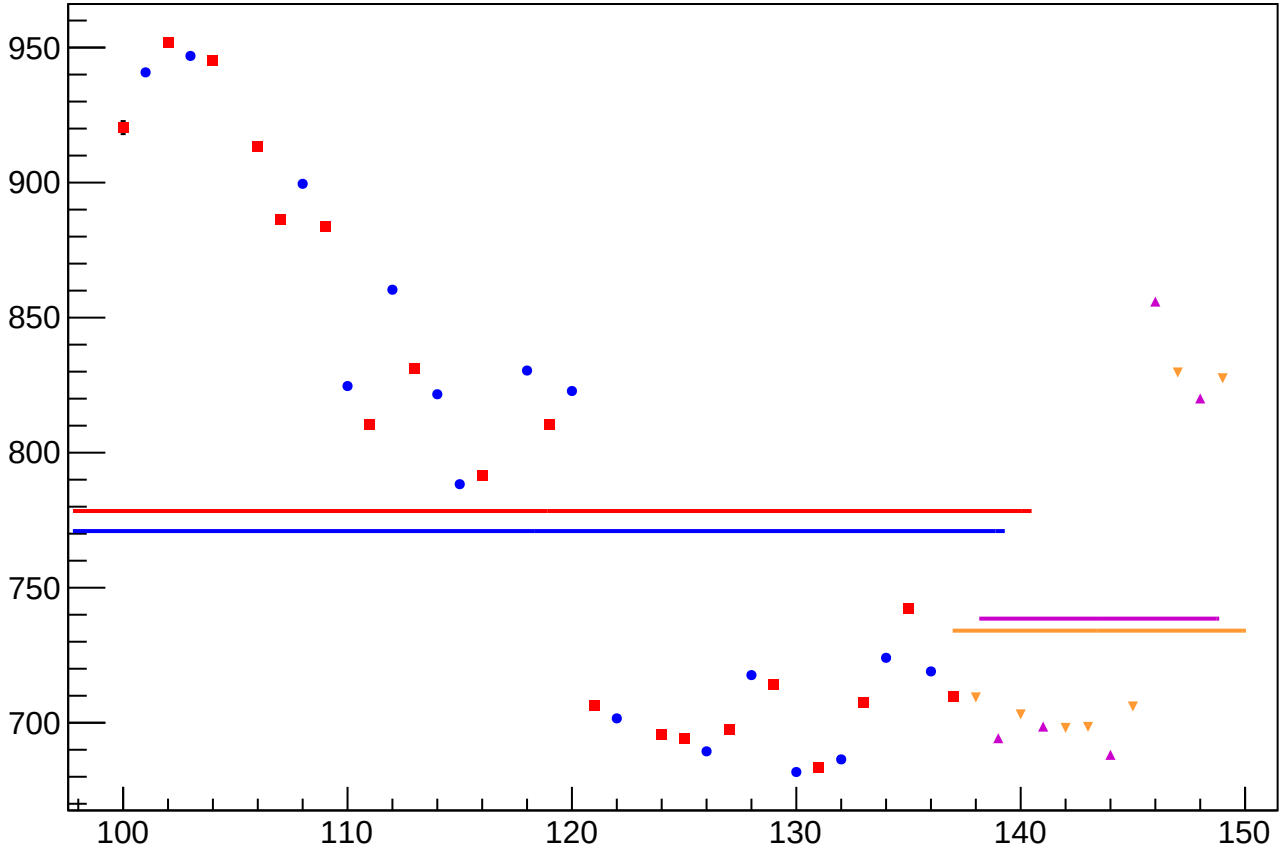
Left In: 9.983+/-0.355 χ^2/NDF:12.8/4

+ sign 4.171+/-0.214 χ^2/NDF: 1077.6/22

All: 2.684+/-0.154 χ^2/NDF: 2543.0/46

- sign 1.071+/-0.223 χ^2/NDF: 1364.4/23

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 734.102+/-0.225 χ^2/NDF:57596.0/6

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

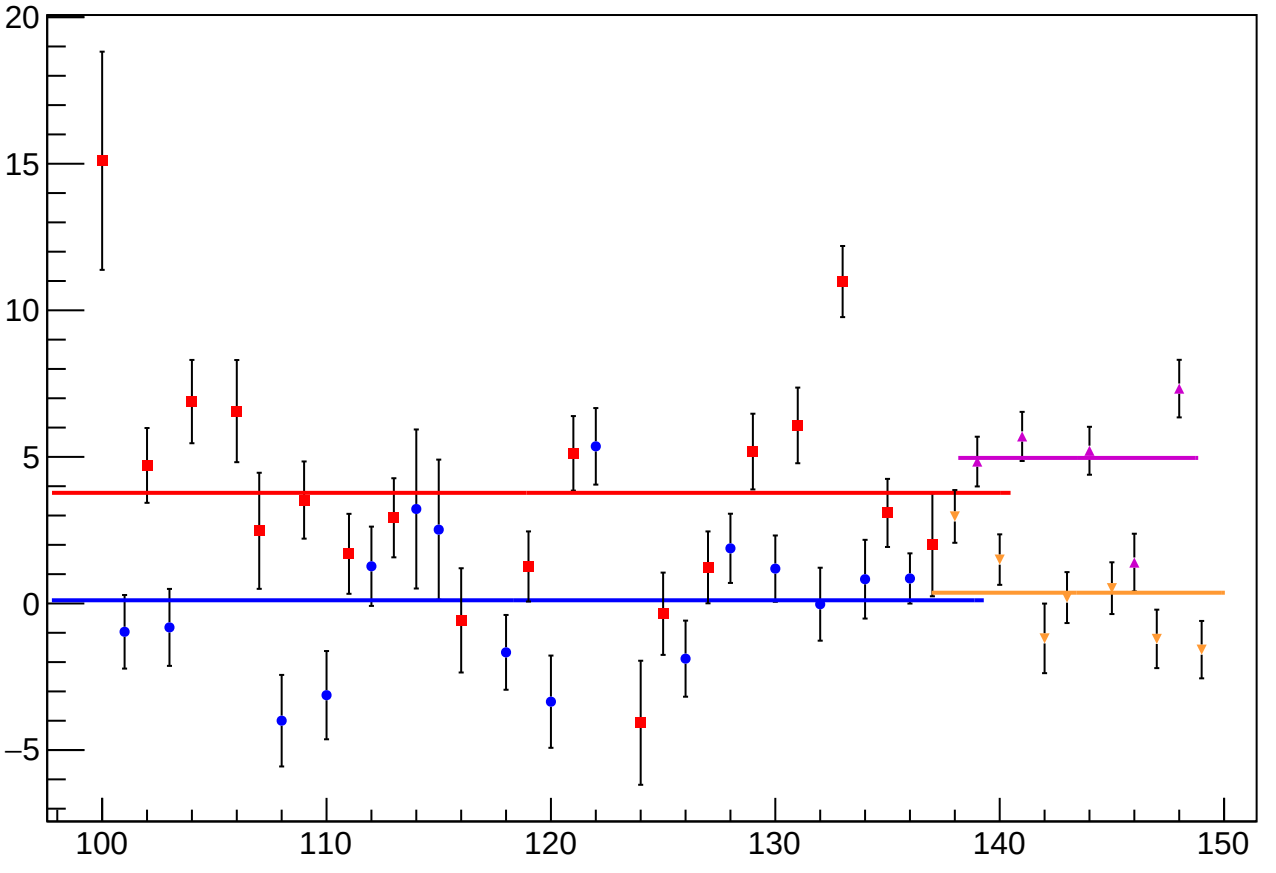
Left In: 738.552+/-0.251 χ^2/NDF:72812.9/4

+ sign 754.351+/-0.151 χ^2/NDF: 265248.3/22

All: 758.362+/-0.109 χ^2/NDF: 551377.8/46

- 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: 0.367+/-0.355 χ^2/NDF:18.3/6

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

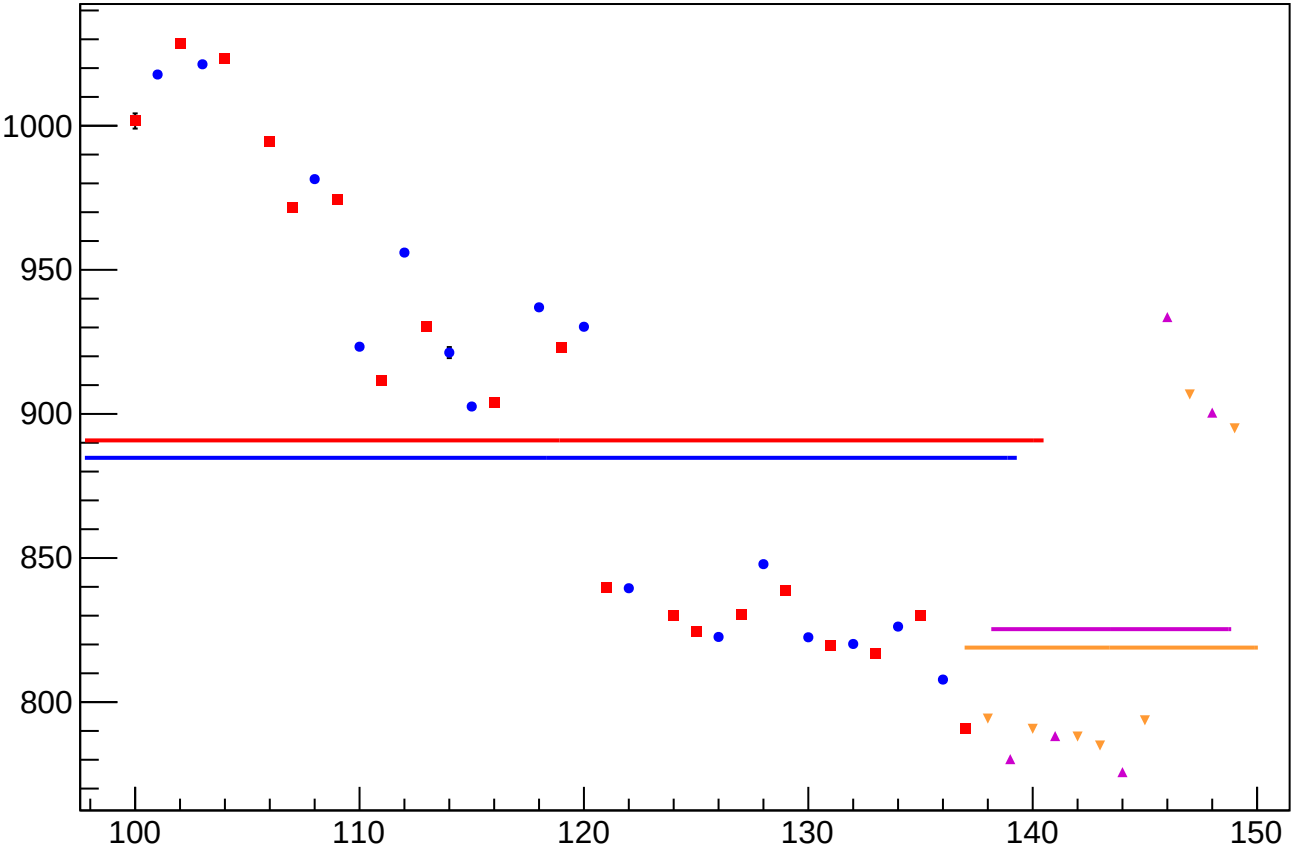
Left In: 4.965+/-0.396 χ^2/NDF:19.8/4

+ sign 0.229+/-0.242 χ^2/NDF: 64.0/22

All: 2.159+/-0.174 χ^2/NDF: 322.0/46

- sign 4.255+/-0.252 χ^2/NDF: 124.8/23

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 818.921+/-0.251 χ^2/NDF:37290.3/6

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

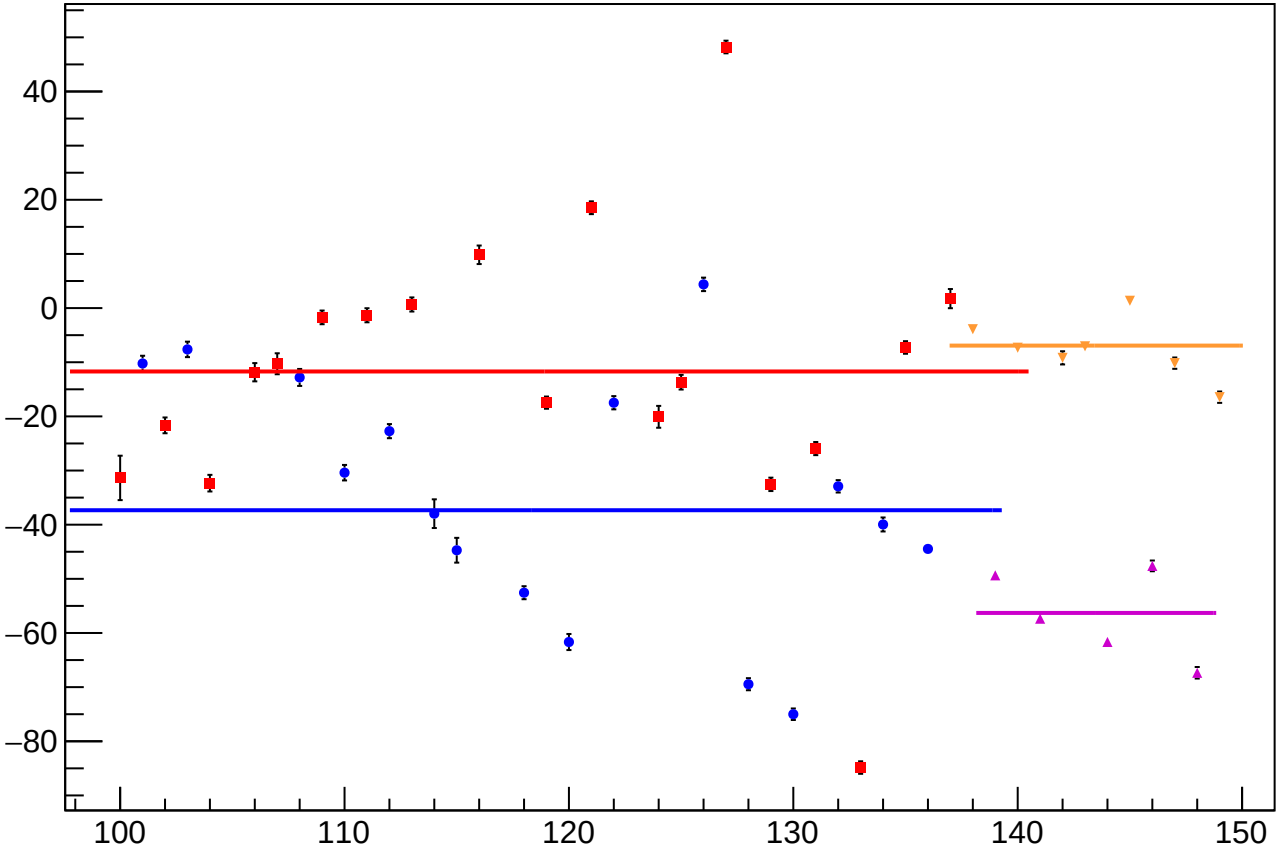
Left In: 825.319+/-0.280 χ^2/NDF:52876.0/4

+ sign 854.226+/-0.171 χ^2/NDF: 178750.7/22

All: 859.077+/-0.123 χ^2/NDF: 373689.3/46

- 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: -6.927+/-0.365 χ^2/NDF:190.0/6

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

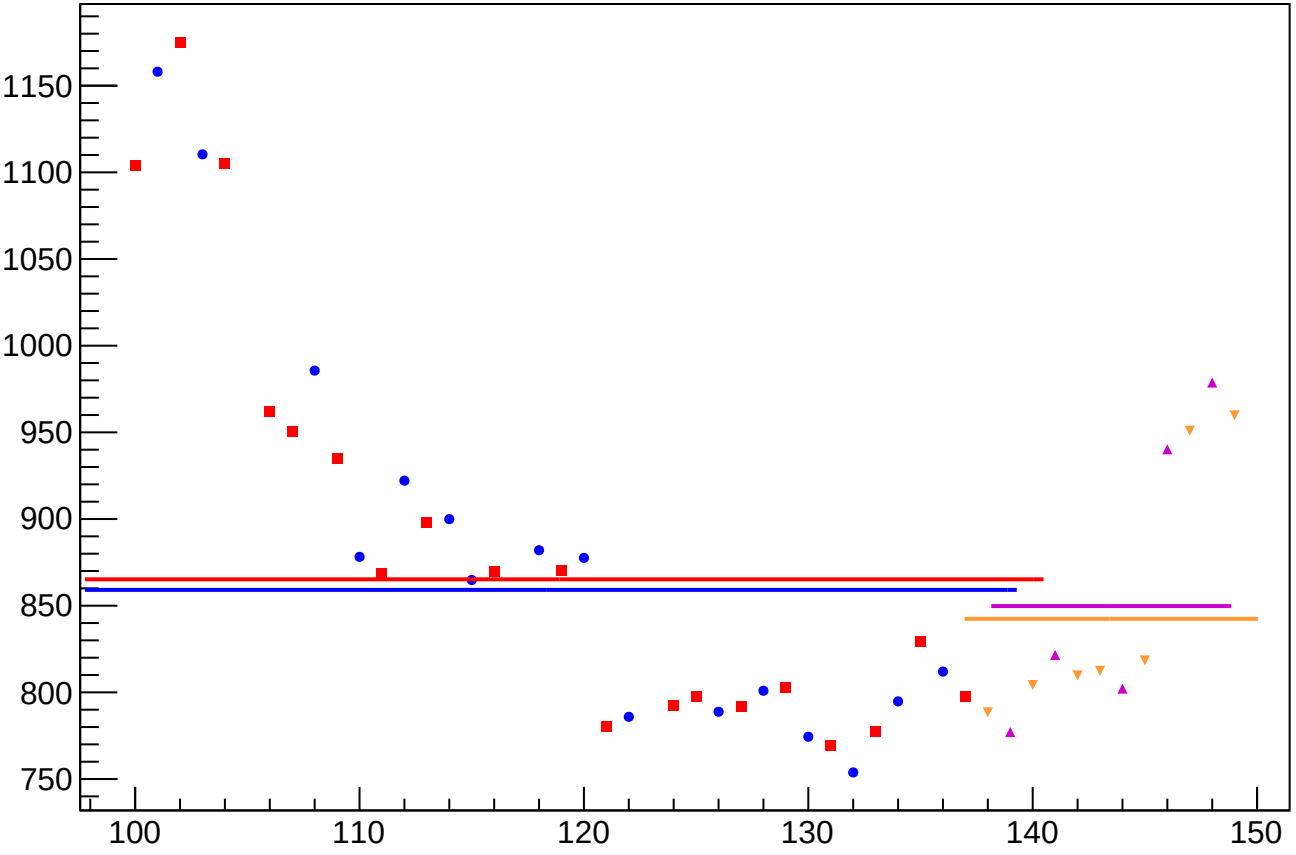
Left In: -56.298+/-0.408 χ^2/NDF:293.3/4

\+ sign -24.044+/-0.241 χ^2/NDF: 9277.1/22

All: -26.213+/-0.174 χ^2/NDF: 25635.2/46

\- 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: 842.432+/-0.258 χ^2/NDF:62717.8/6

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

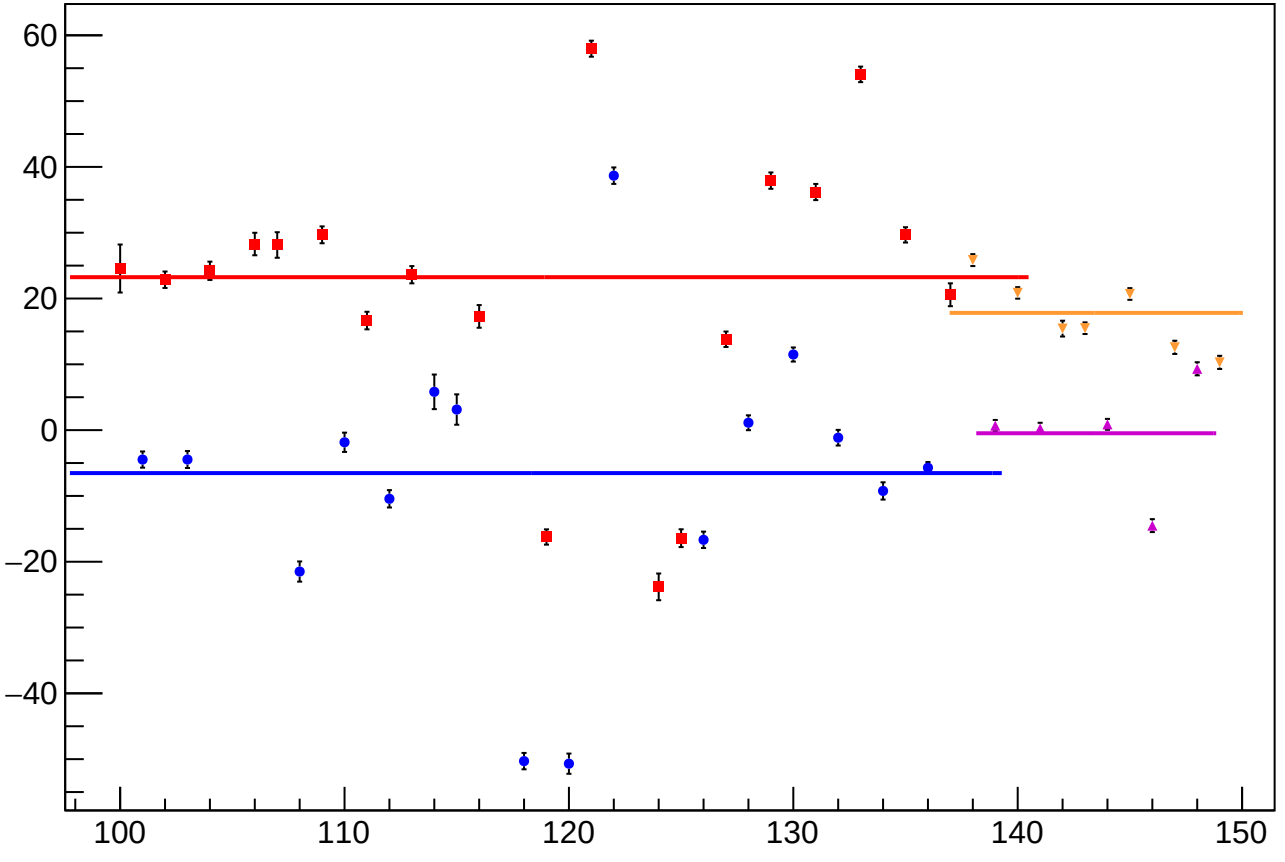
Left In: 849.777+/-0.288 χ^2/NDF:69066.1/4

+ sign 851.831+/-0.171 χ^2/NDF: 293780.9/22

All: 855.462+/-0.123 χ^2/NDF: 589238.5/46

- 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: 17.818+/-0.359 χ^2/NDF:195.3/6

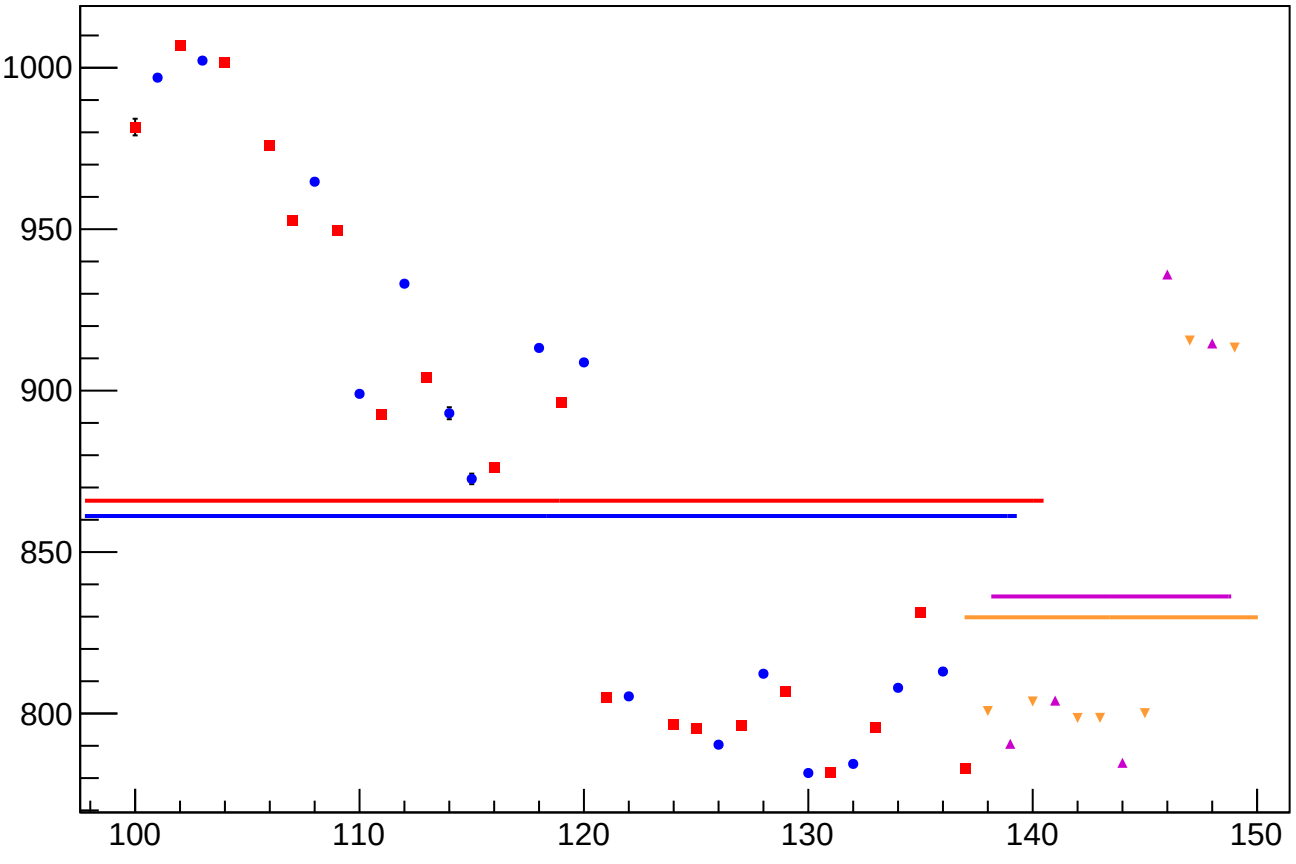
Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: -0.476+/-0.401 χ^2/NDF:304.2/4

+ sign 4.284+/-0.239 χ^2/NDF: 6693.2/22

All: 9.017+/-0.173 χ^2/NDF: 14432.4/46

- 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: 829.798+/-0.254 χ^2/NDF:38365.3/6

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

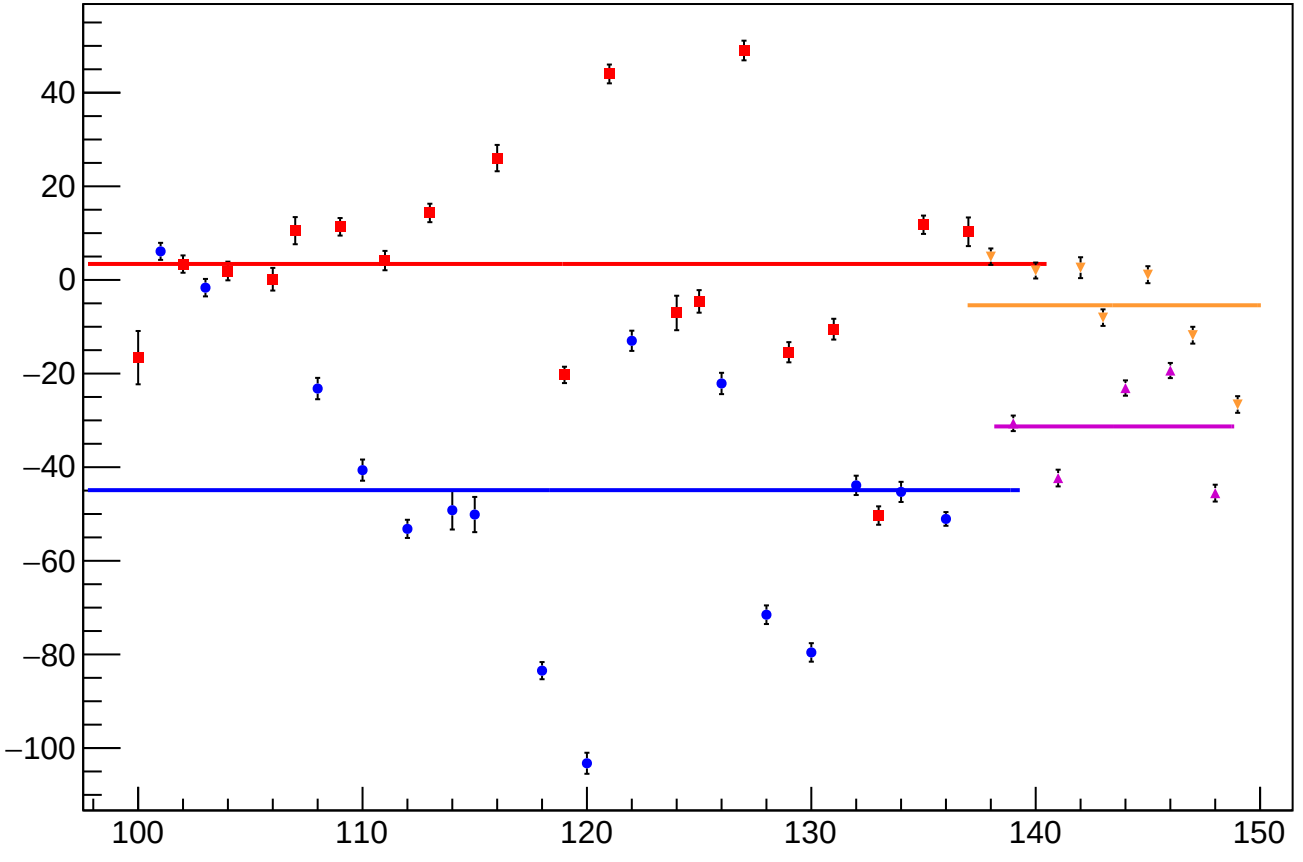
Left In: 836.255+/-0.284 χ^2/NDF:49035.4/4

+ sign 847.237+/-0.169 χ^2/NDF: 160368.7/22

All: 850.733+/-0.122 χ^2/NDF: 335437.3/46

- 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: -5.411+/-0.687 χ^2/NDF:237.1/6

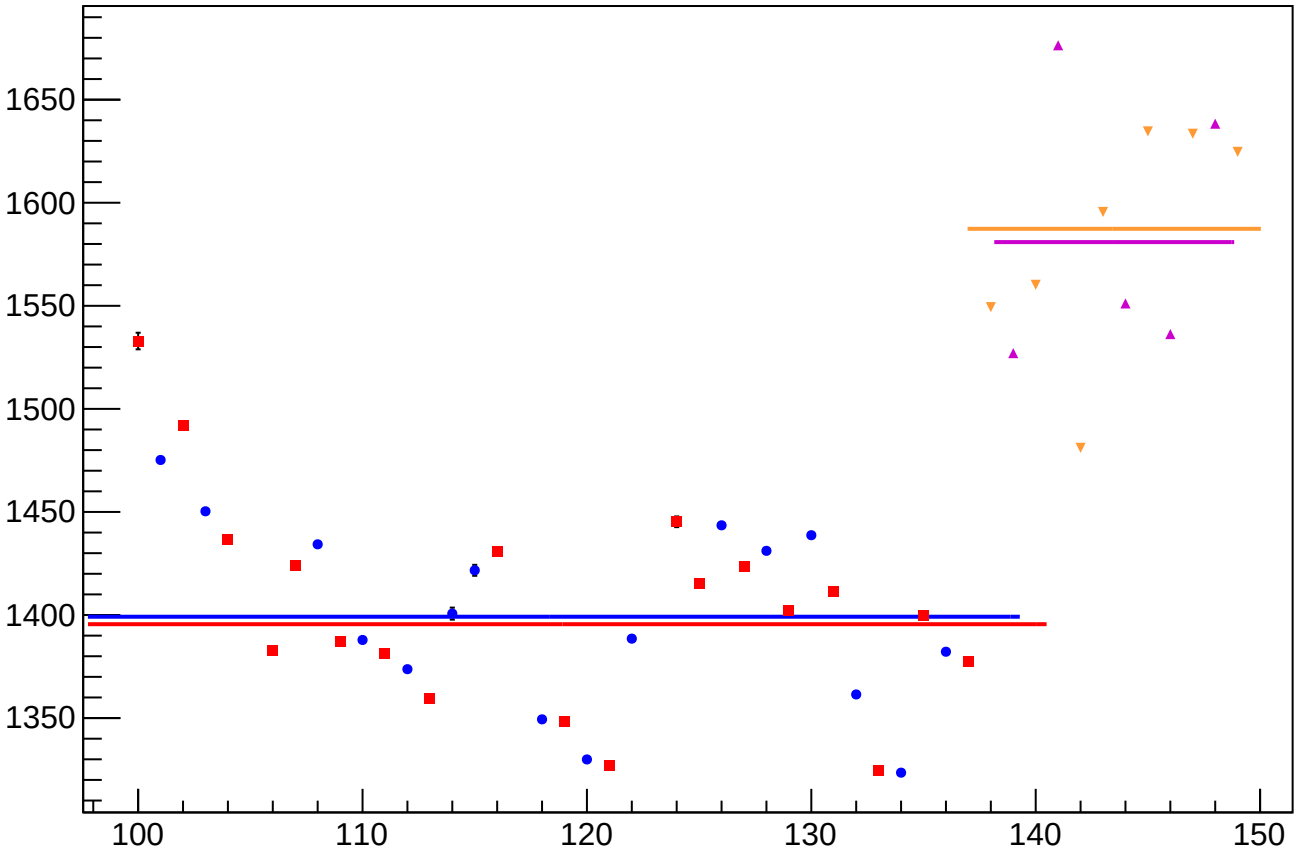
Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: -31.293+/-0.758 χ^2/NDF:180.3/4

+ sign -30.511+/-0.414 χ^2/NDF: 5717.7/22

All: -19.168+/-0.296 χ^2/NDF: 10972.3/46

- sign -7.368+/-0.423 χ^2/NDF: 3726.3/23



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1587.358+/-0.485 χ^2/NDF:9583.8/6

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

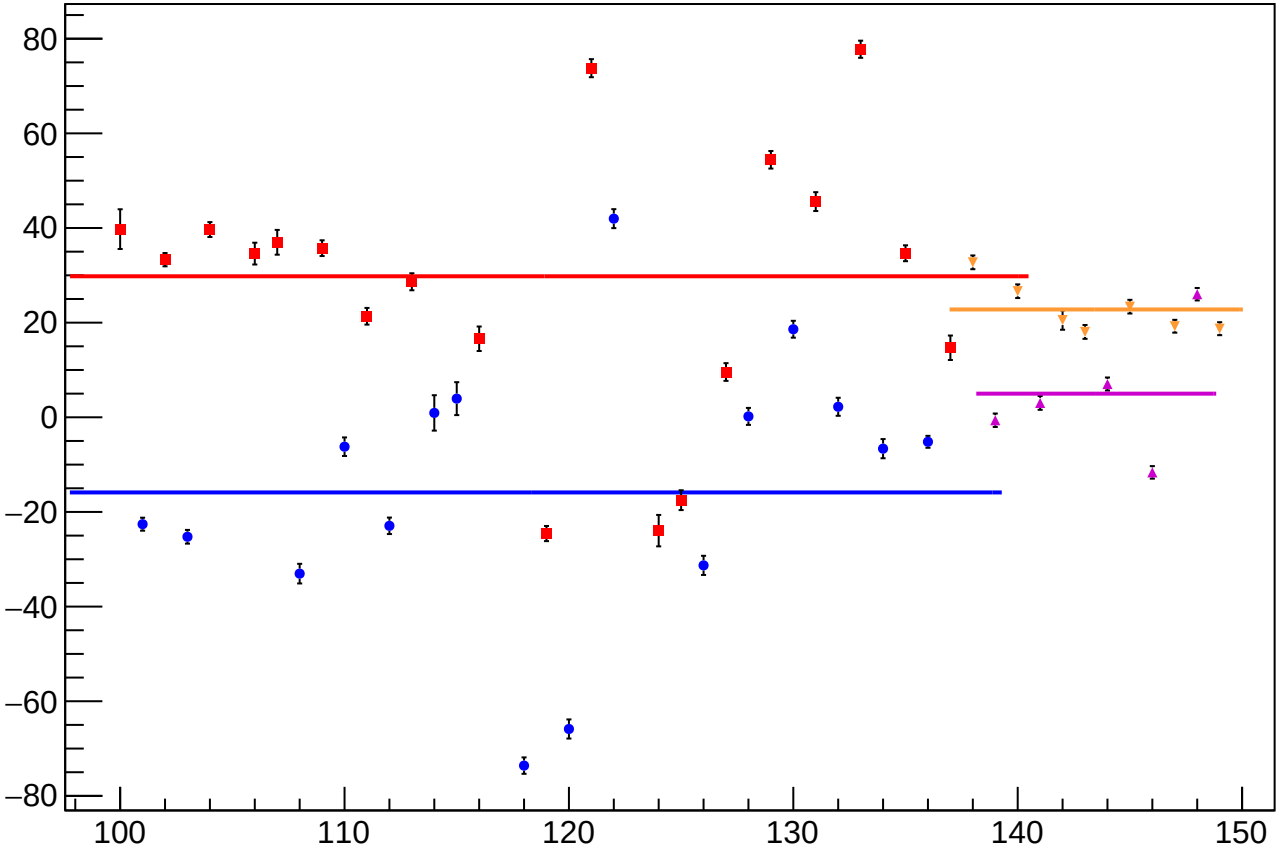
Left In: 1580.908+/-0.536 χ^2/NDF:12028.7/4

+ sign 1467.756+/-0.293 χ^2/NDF: 119928.2/22

All: 1460.591+/-0.209 χ^2/NDF: 231775.8/46

- 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: 22.785+/-0.558 χ^2/NDF:81.5/6

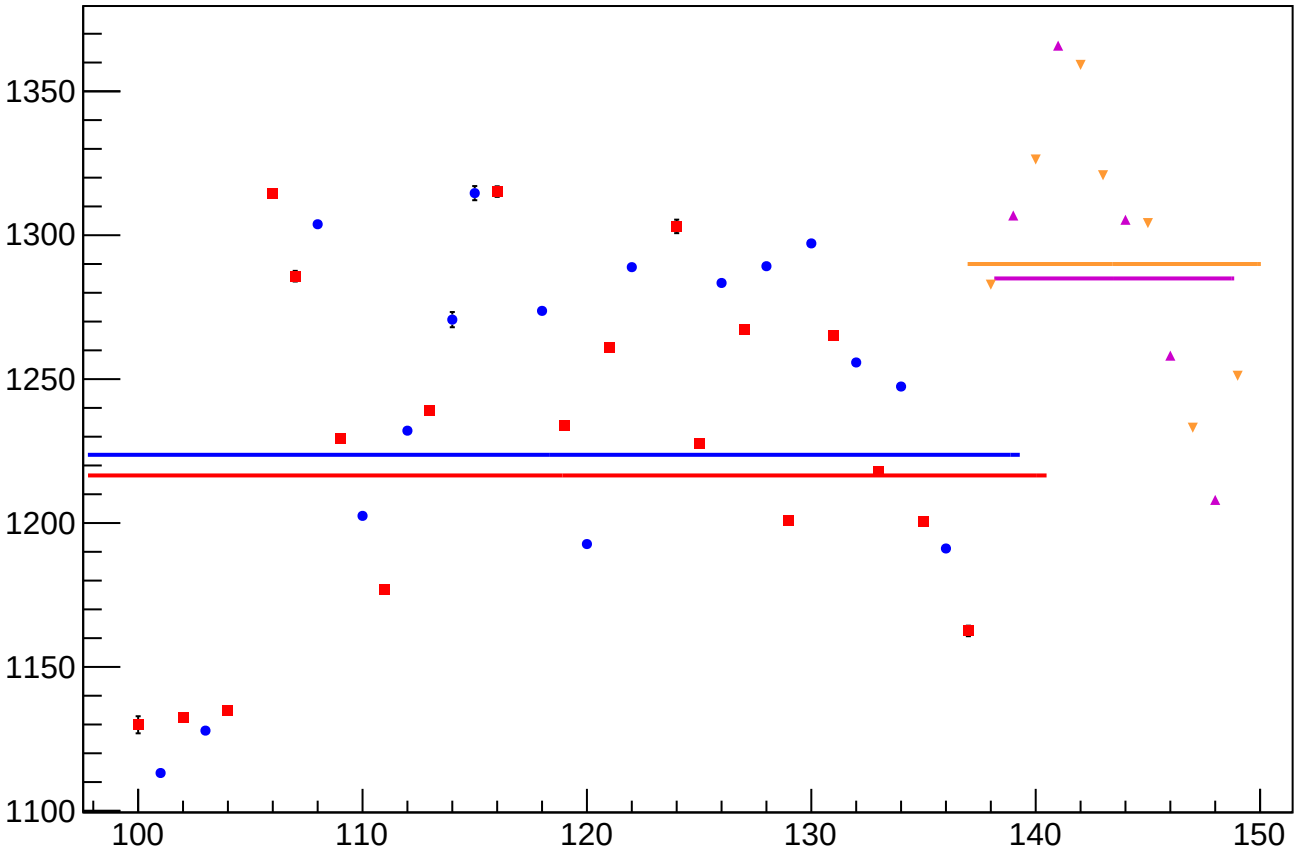
Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 4.996+/-0.616 χ^2/NDF:431.7/4

+ sign -0.427+/-0.353 χ^2/NDF: 6441.8/22

All: 10.208+/-0.252 χ^2/NDF: 13479.5/46

- 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: 1290.001+/-0.395 χ^2/NDF:9804.3/6

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

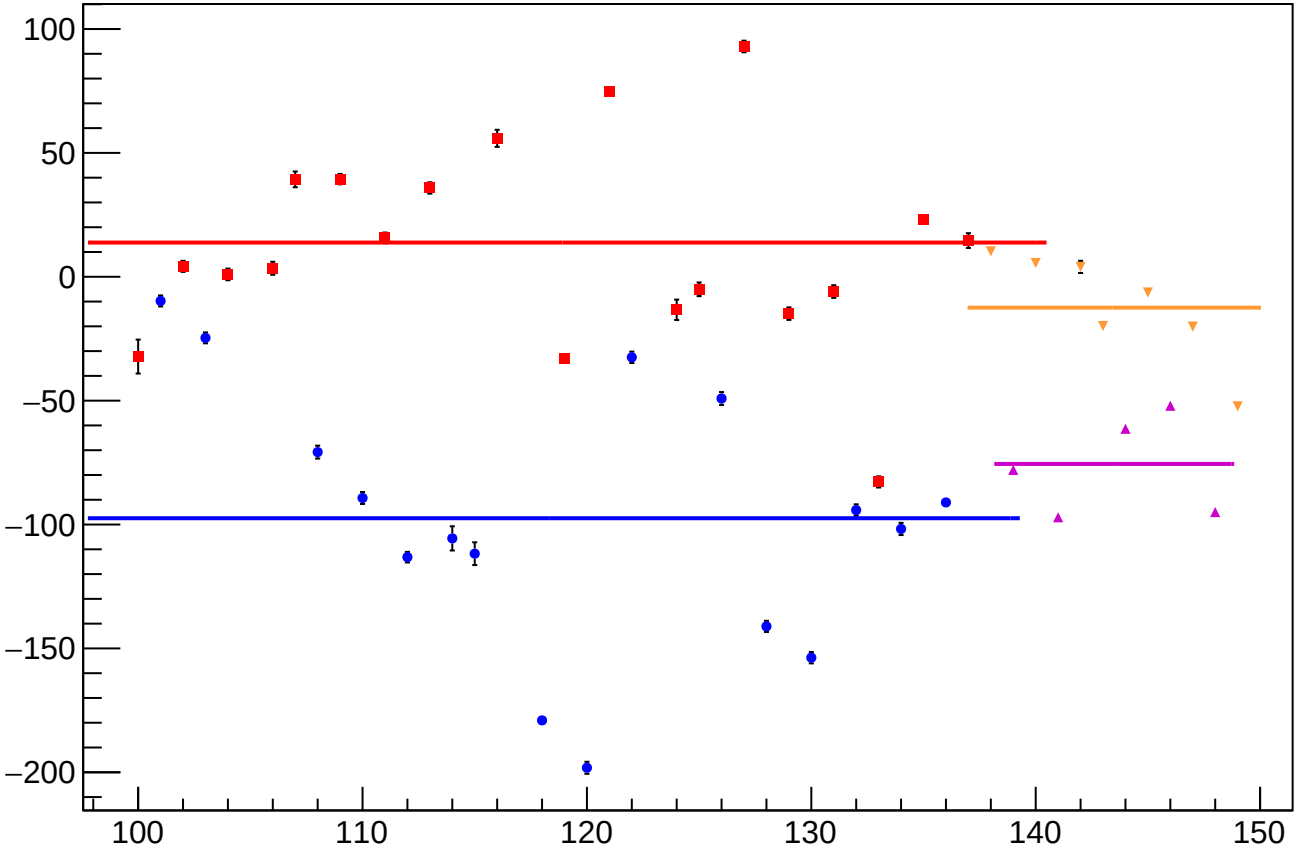
Left In: 1284.981+/-0.435 χ^2/NDF:14705.7/4

+ sign 1250.197+/-0.249 χ^2/NDF: 67639.5/22

All: 1245.194+/-0.178 χ^2/NDF: 128800.1/46

- 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: -12.459+/-0.703 χ^2/NDF:846.2/6

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

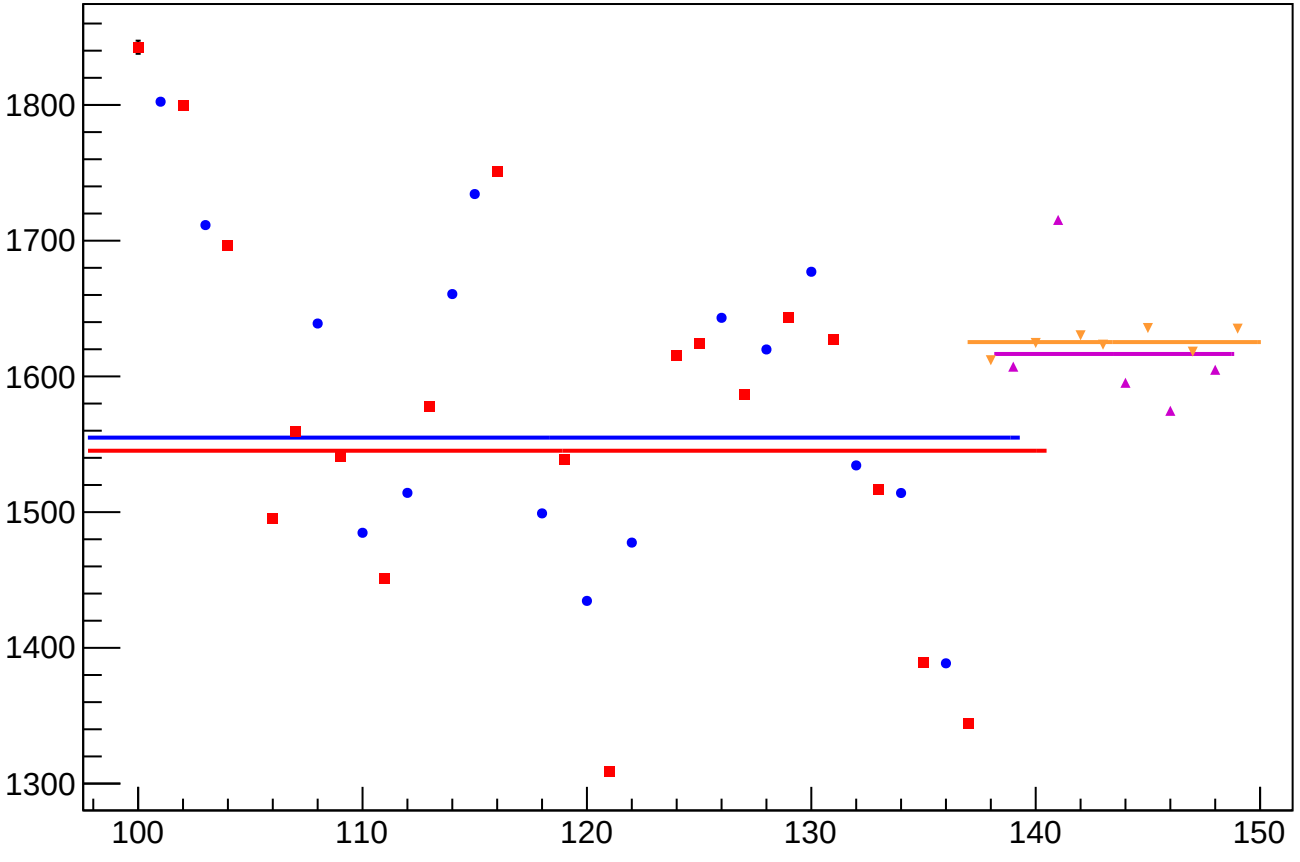
Left In: -75.541+/-0.774 χ^2/NDF:534.1/4

+ sign -63.050+/-0.447 χ^2/NDF: 17856.9/22

All: -40.654+/-0.319 χ^2/NDF: 37554.6/46

- 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: 1625.291+/-0.497 χ^2/NDF:275.9/6

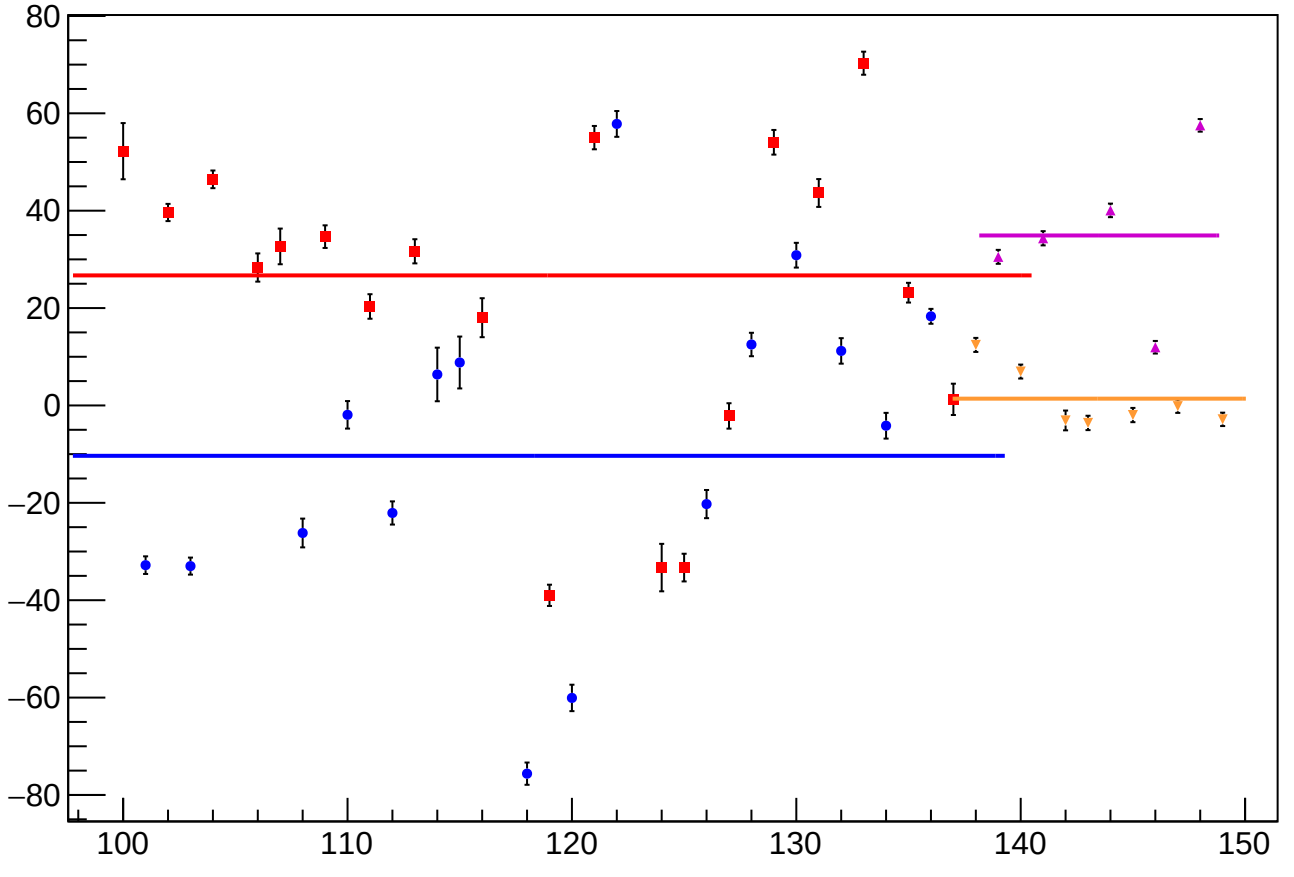
Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1616.535+/-0.548 χ^2/NDF:7567.3/4

+ sign 1583.398+/-0.316 χ^2/NDF: 100141.2/22

All: 1576.864+/-0.226 χ^2/NDF: 228423.9/46

- sign 1570.041+/-0.323 χ^2/NDF: 127409.0/23



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 1.395+/-0.560 χ^2/NDF:105.9/6

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

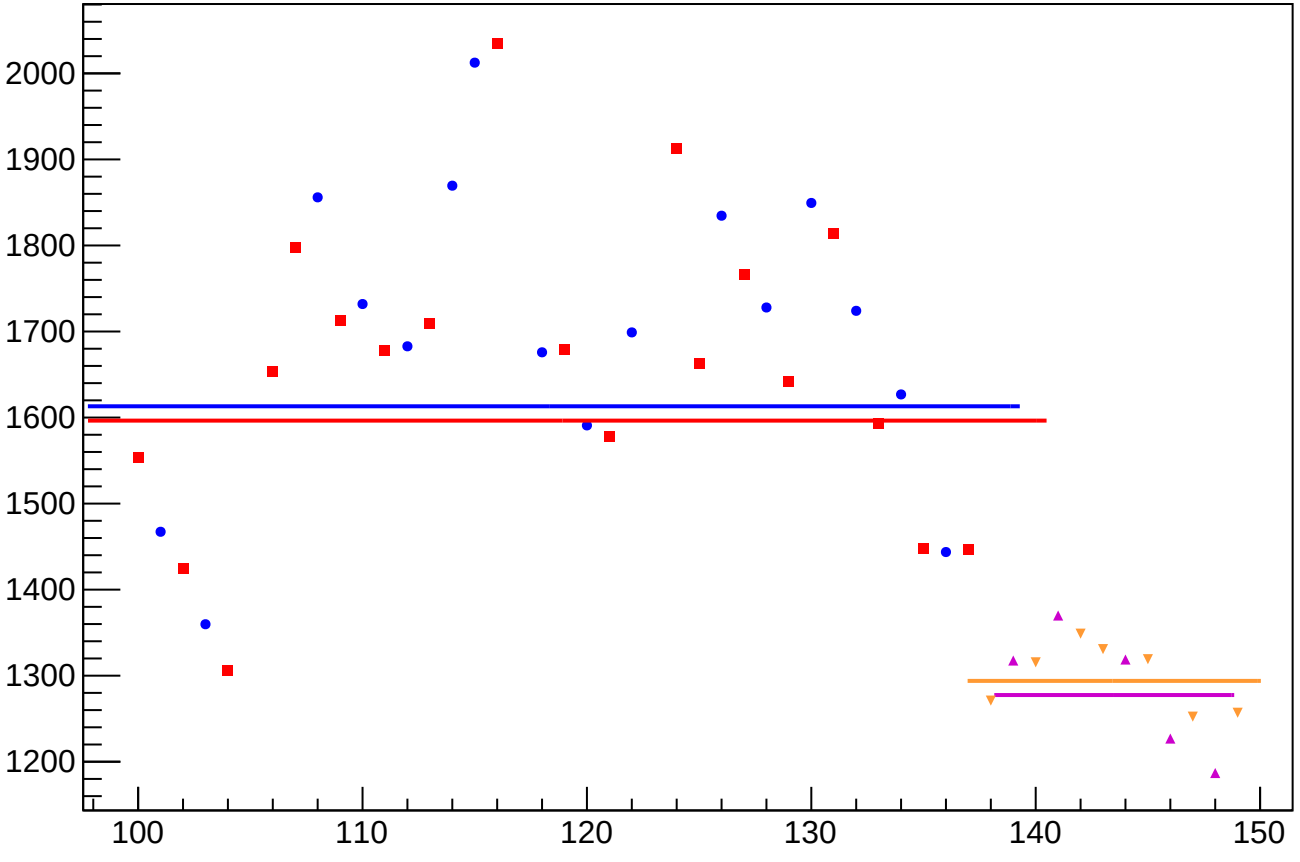
Left In: 34.911+/-0.613 χ^2/NDF:642.2/4

+ sign -4.038+/-0.410 χ^2/NDF: 3316.5/22

All: 12.741+/-0.295 χ^2/NDF: 10048.1/46

- 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: 1293.941+/-0.396 χ^2/NDF:7532.7/6

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

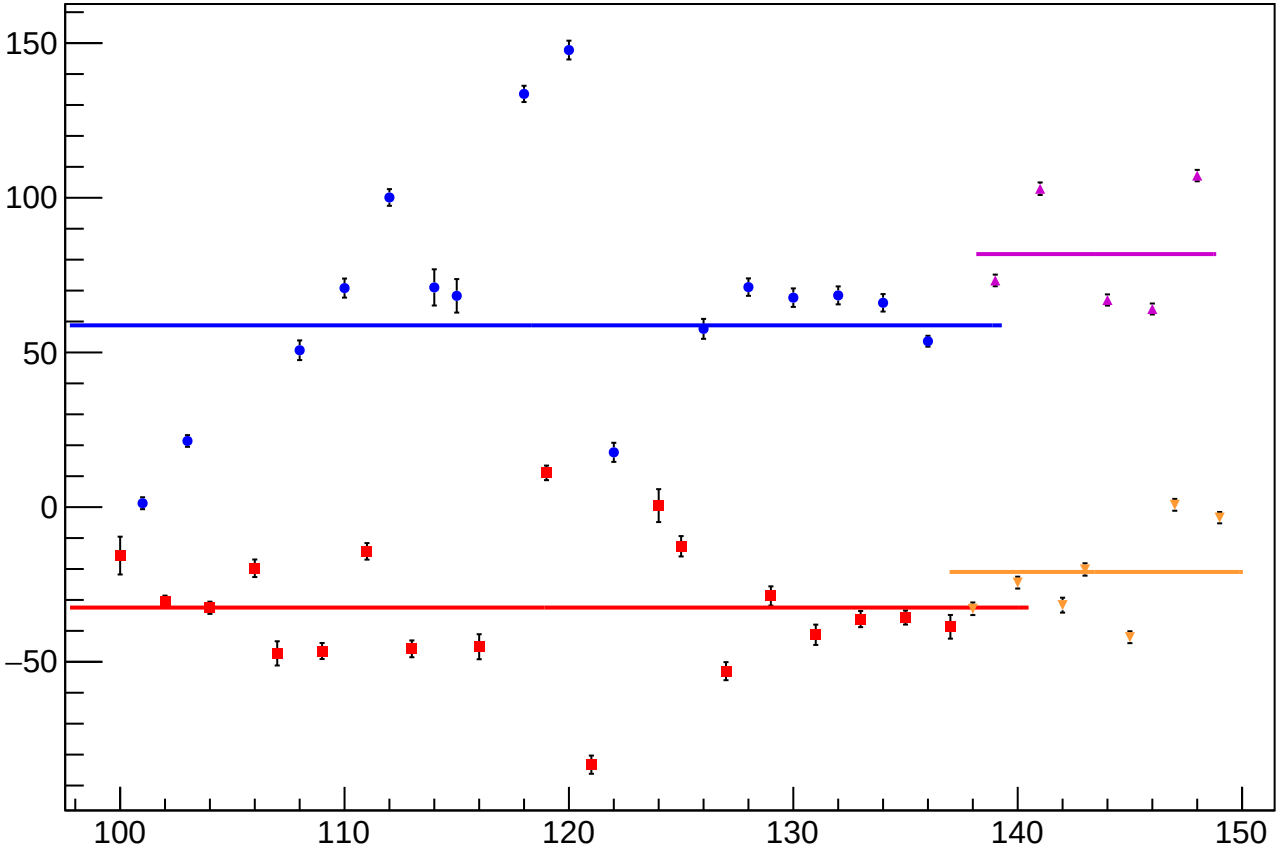
Left In: 1277.500+/-0.433 χ^2/NDF:24145.9/4

+ sign 1441.643+/-0.290 χ^2/NDF: 463086.6/22

All: 1442.782+/-0.208 χ^2/NDF: 930813.3/46

- 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: -20.955+/-0.750 χ^2/NDF:398.1/6

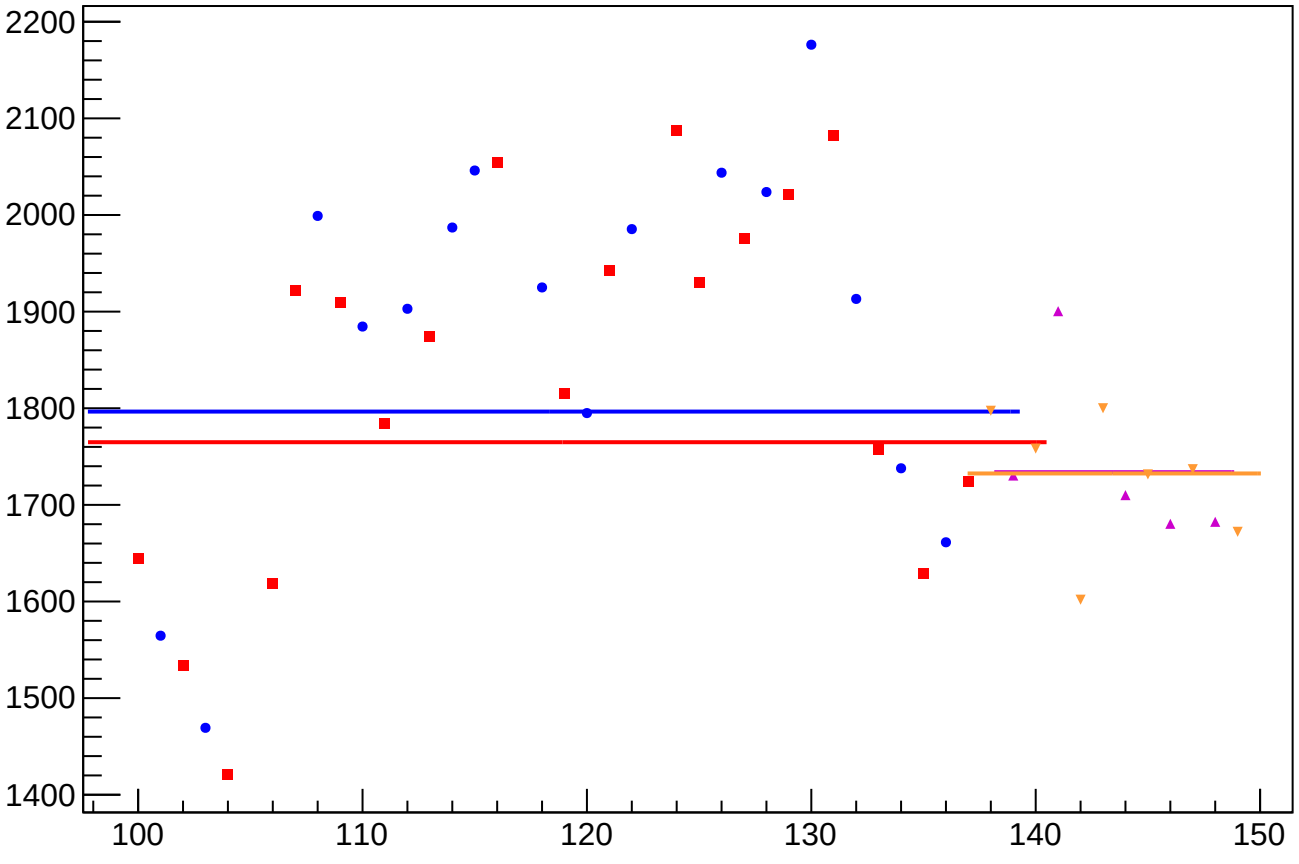
Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: 81.796+/-0.832 χ^2/NDF:486.5/4

+ sign 23.254+/-0.501 χ^2/NDF: 10100.9/22

All: 17.117+/-0.358 χ^2/NDF: 23559.7/46

- sign 10.716+/-0.511 χ^2/NDF: 13152.0/23



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1732.505+/-0.531 χ^2/NDF:12714.8/6

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

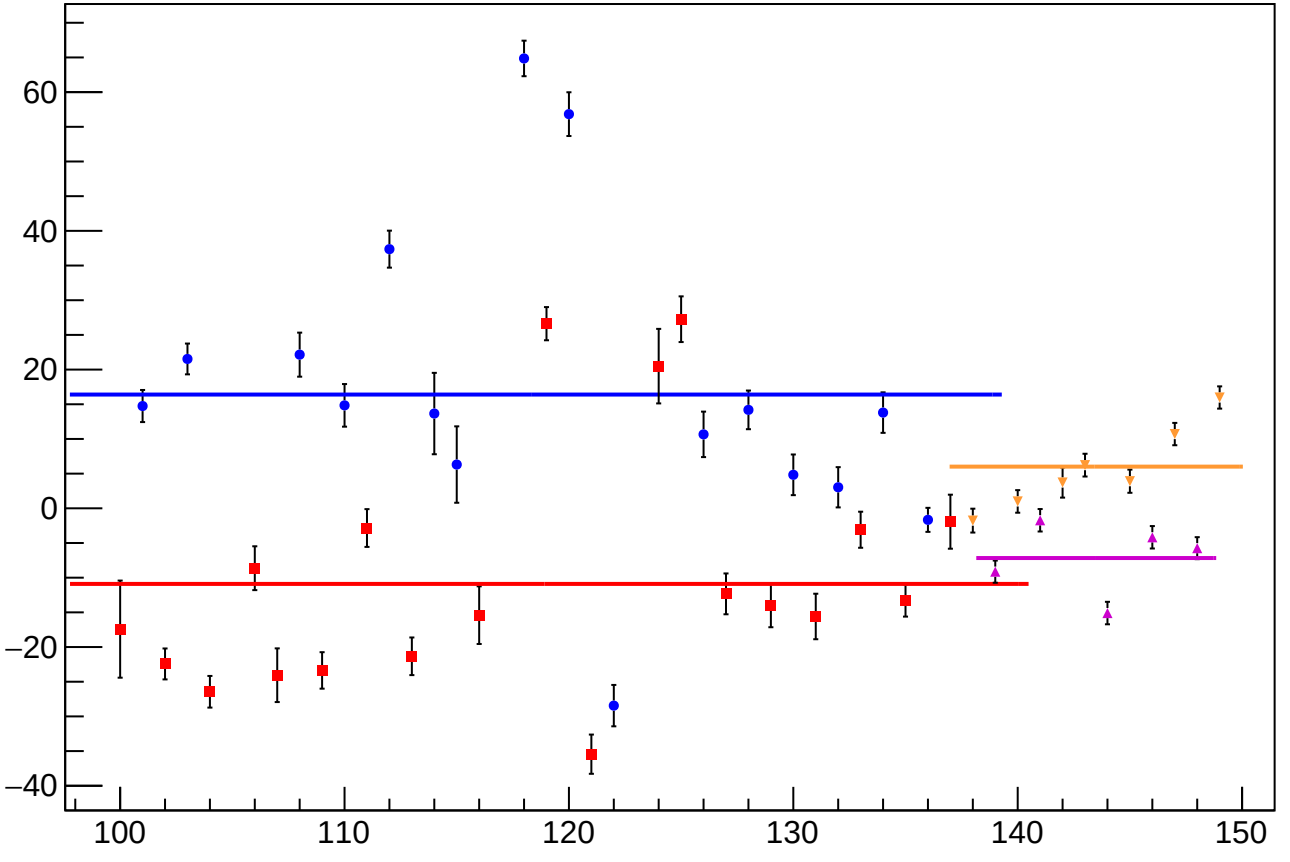
Left In: 1733.851+/-0.588 χ^2/NDF:17198.5/4

+ sign 1768.025+/-0.354 χ^2/NDF: 213968.8/22

All: 1760.740+/-0.253 χ^2/NDF: 423748.5/46

- 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: 6.010+/-0.642 χ^2/NDF:79.7/6

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

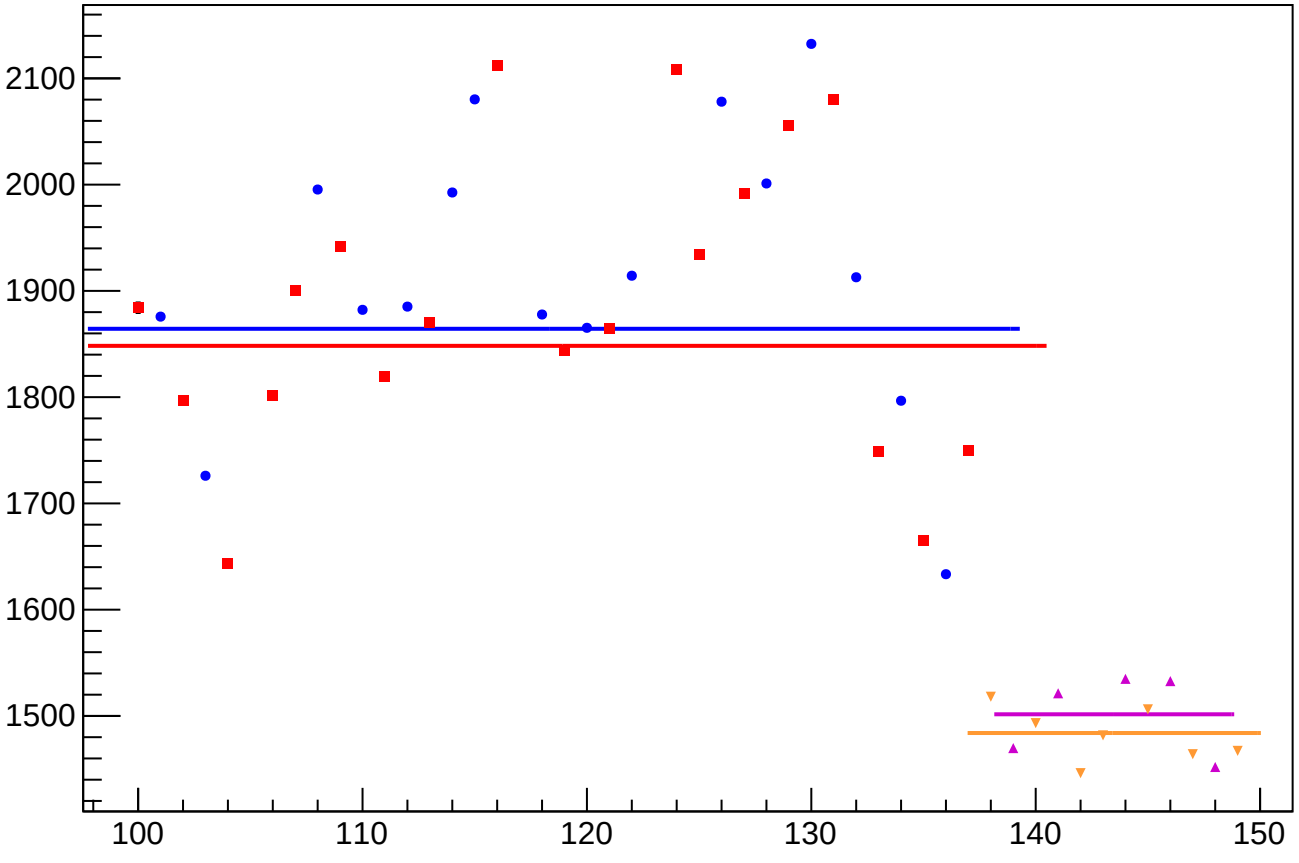
Left In: -7.169+/-0.719 χ^2/NDF:41.0/4

\+ sign 10.790+/-0.471 χ^2/NDF: 1173.4/22

All: 1.259+/-0.341 χ^2/NDF: 2725.5/46

\- 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: 1483.935+/-0.454 χ^2/NDF:2339.8/6

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

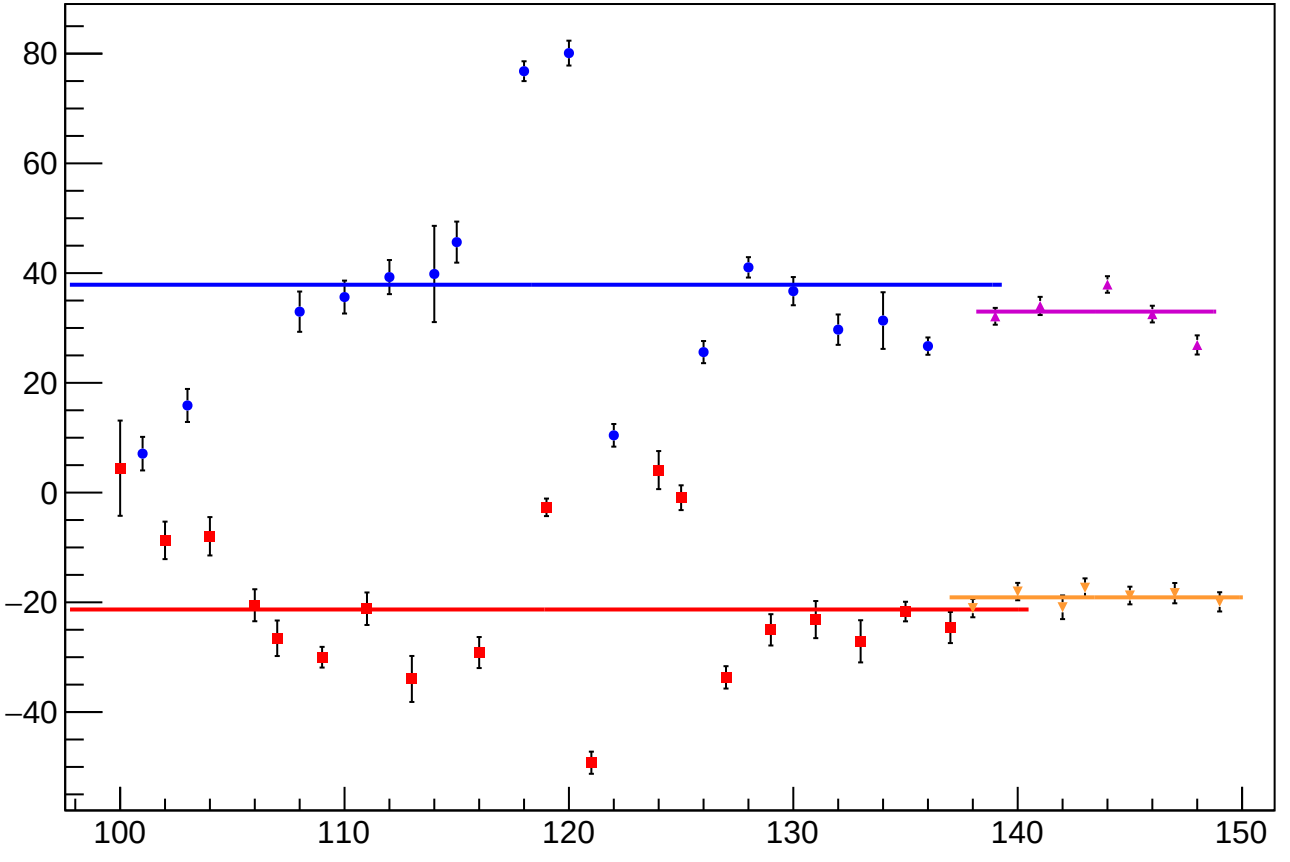
Left In: 1501.553+/-0.508 χ^2/NDF:4642.2/4

+ sign 1658.957+/-0.333 χ^2/NDF: 409161.9/22

All: 1671.658+/-0.241 χ^2/NDF: 738596.9/46

- 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: -19.092+/-0.657 χ^2/NDF:4.0/6

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

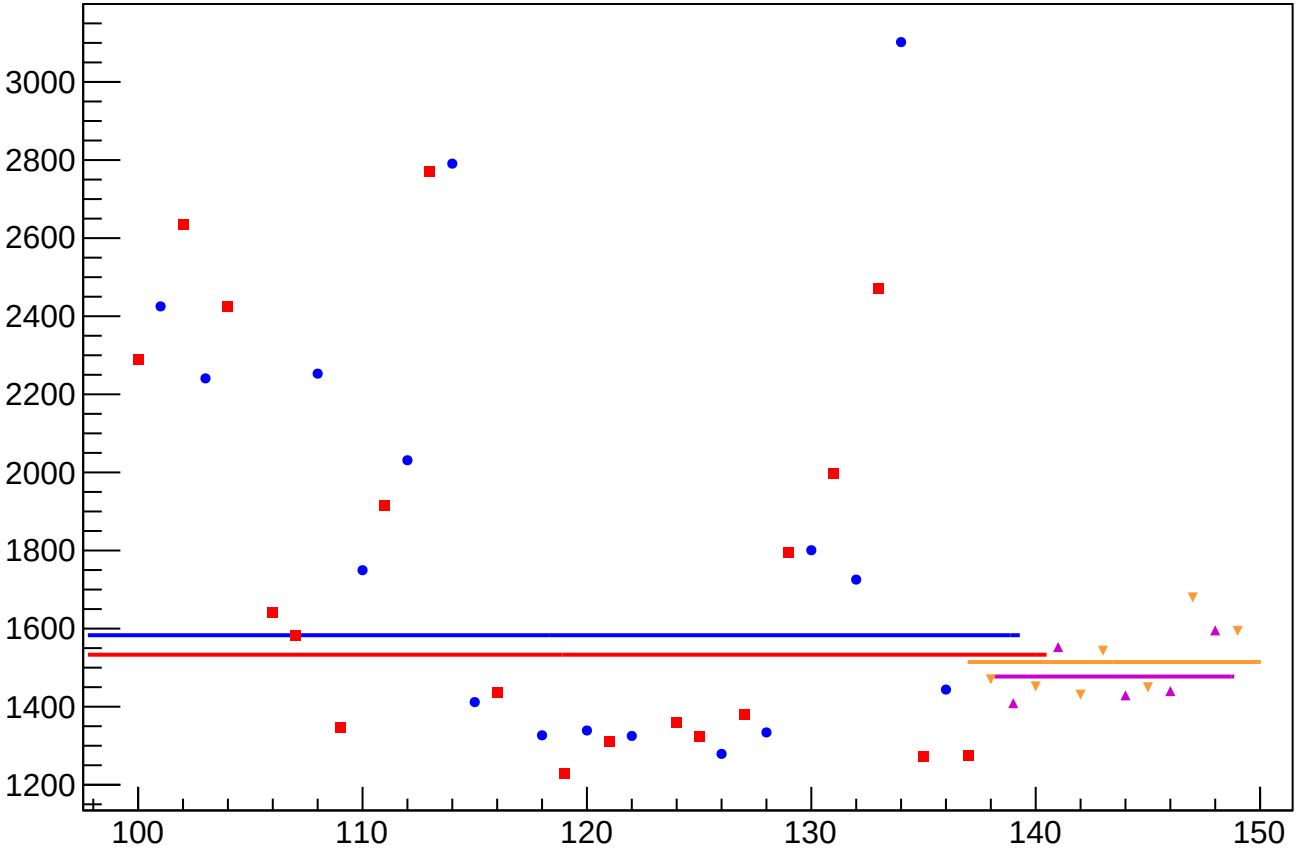
Left In: 32.985+/-0.709 χ^2/NDF:23.6/4

+ sign 10.921+/-0.452 χ^2/NDF: 5219.2/22

All: 6.012+/-0.321 χ^2/NDF: 9513.2/46

- 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: 1514.404+/-0.464 χ^2/NDF:31438.3/6

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

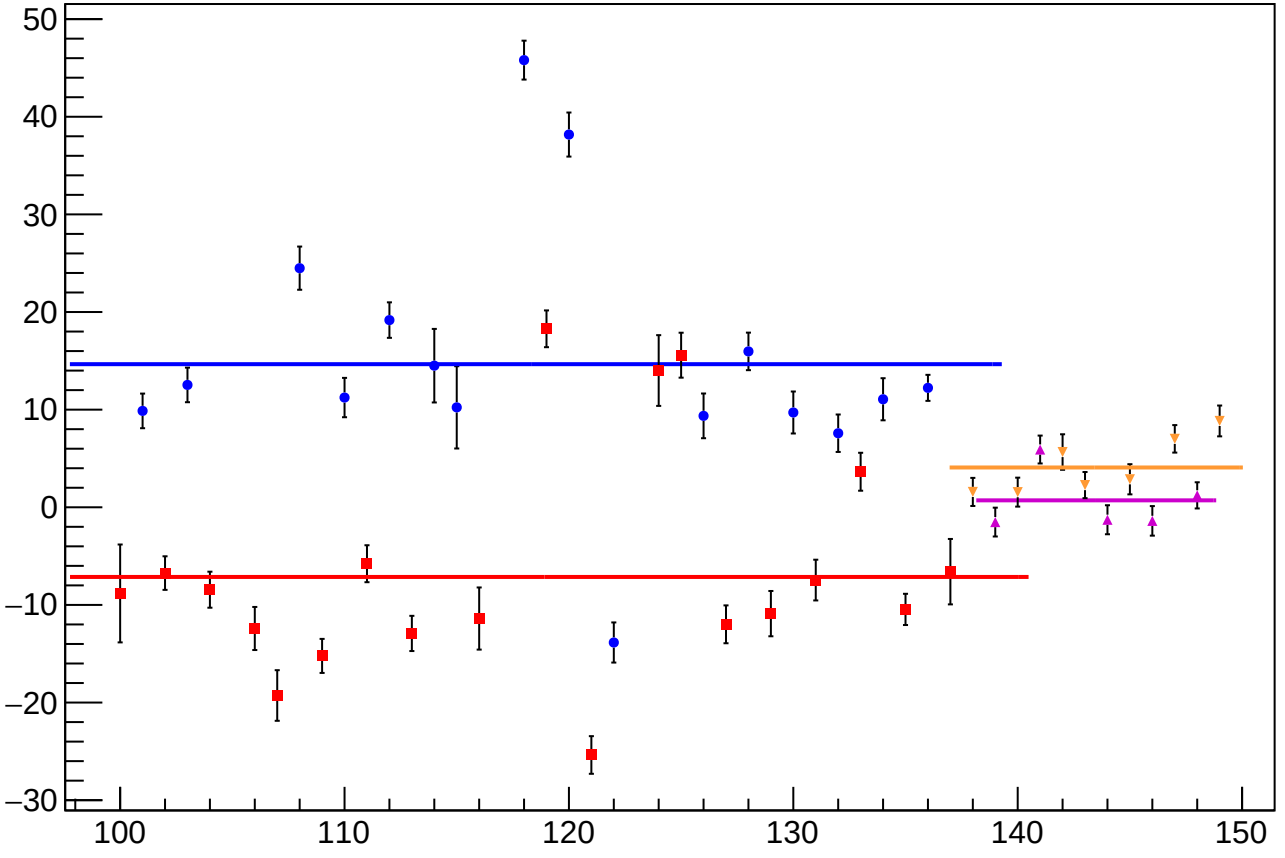
Left In: 1477.271+/-0.501 χ^2/NDF:20530.7/4

+ sign 1550.567+/-0.319 χ^2/NDF: 830624.2/22

All: 1530.513+/-0.227 χ^2/NDF: 1817190.4/46

- 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: 4.076+/-0.566 χ^2/NDF:22.6/6

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

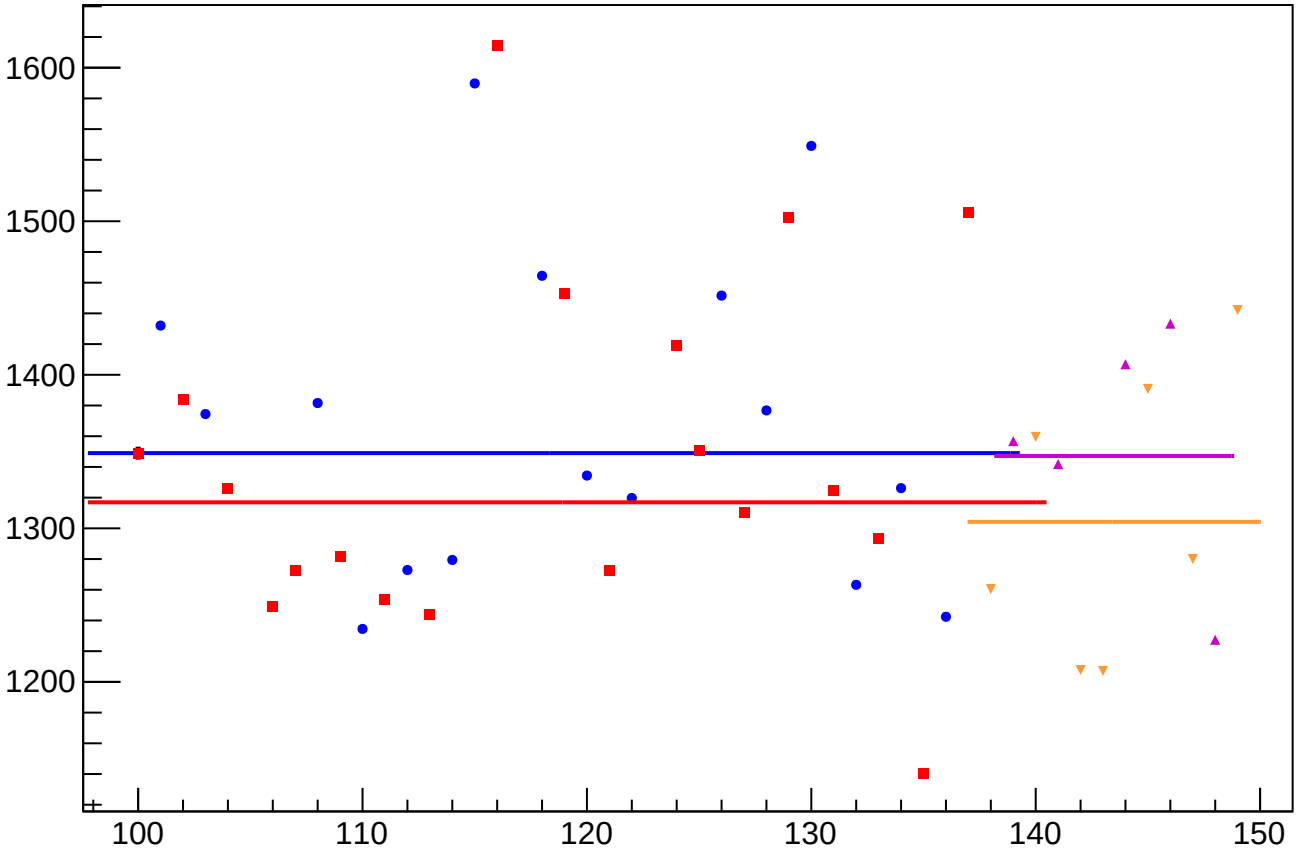
Left In: 0.711+/-0.646 χ^2/NDF:19.4/4

+ sign 9.972+/-0.377 χ^2/NDF: 832.2/22

All: 3.020+/-0.270 χ^2/NDF: 2156.3/46

- sign -4.321+/-0.387 χ^2/NDF: 623.4/23

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1304.231+/-0.400 χ^2/NDF:42941.4/6

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

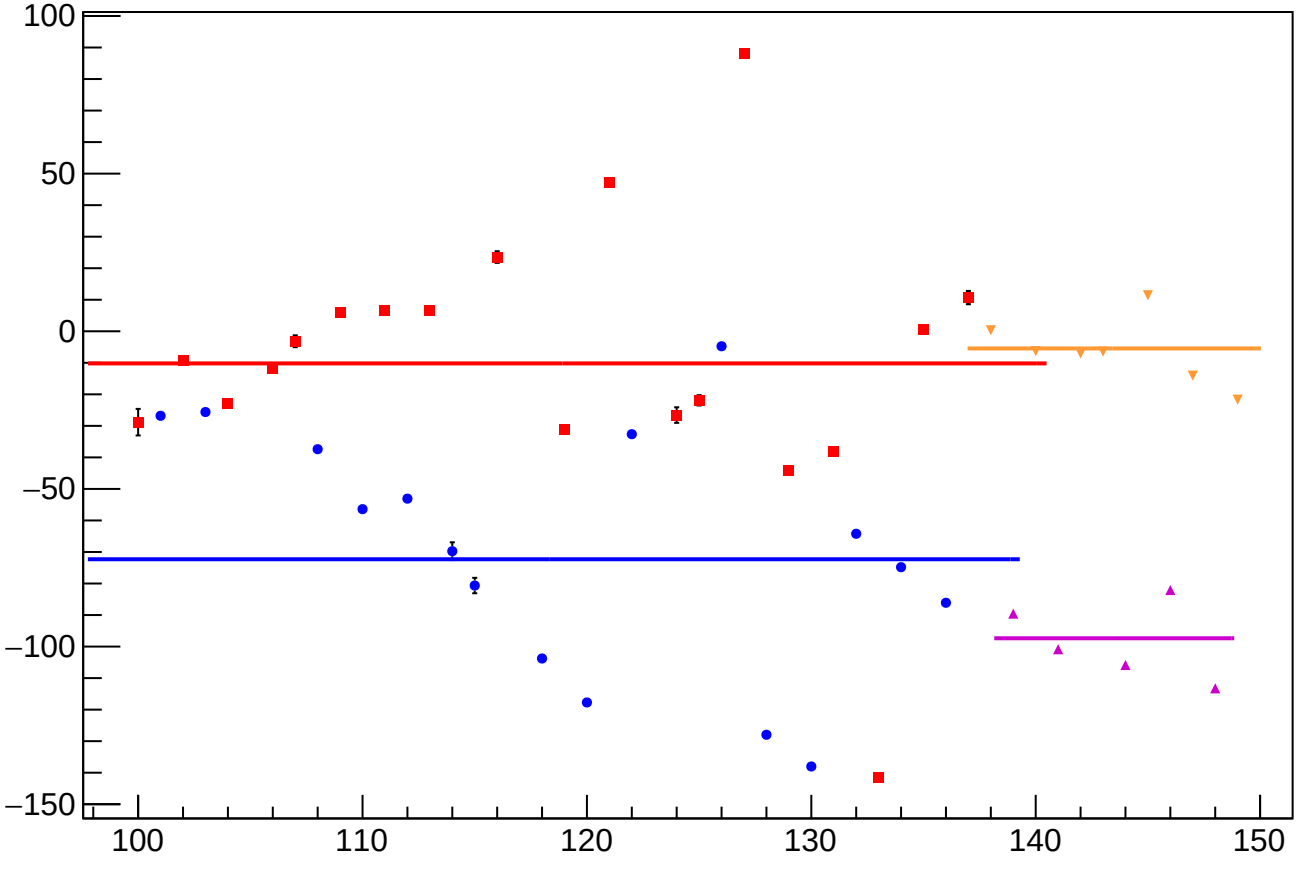
Left In: 1347.123+/-0.457 χ^2/NDF:25771.5/4

+ sign 1329.173+/-0.266 χ^2/NDF: 118300.2/22

All: 1328.495+/-0.191 χ^2/NDF: 233753.8/46

- 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: -5.446+/-0.416 χ^2/NDF:554.5/6

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

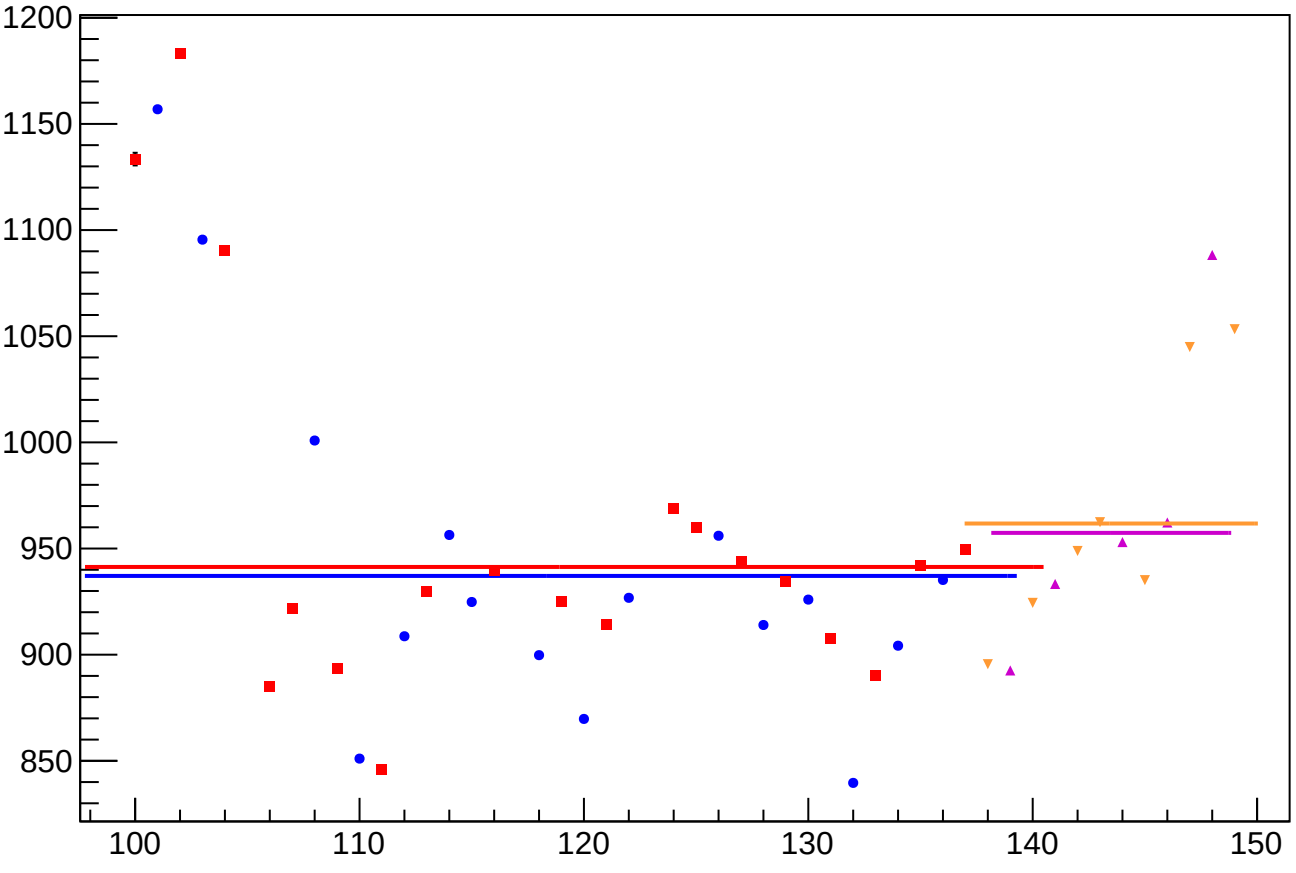
Left In: -97.366+/-0.459 χ^2/NDF:554.5/4

+ sign -44.673+/-0.268 χ^2/NDF: 27835.8/22

All: -43.191+/-0.192 χ^2/NDF: 70583.4/46

- 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: 961.779+/-0.294 χ^2/NDF:35859.5/6

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

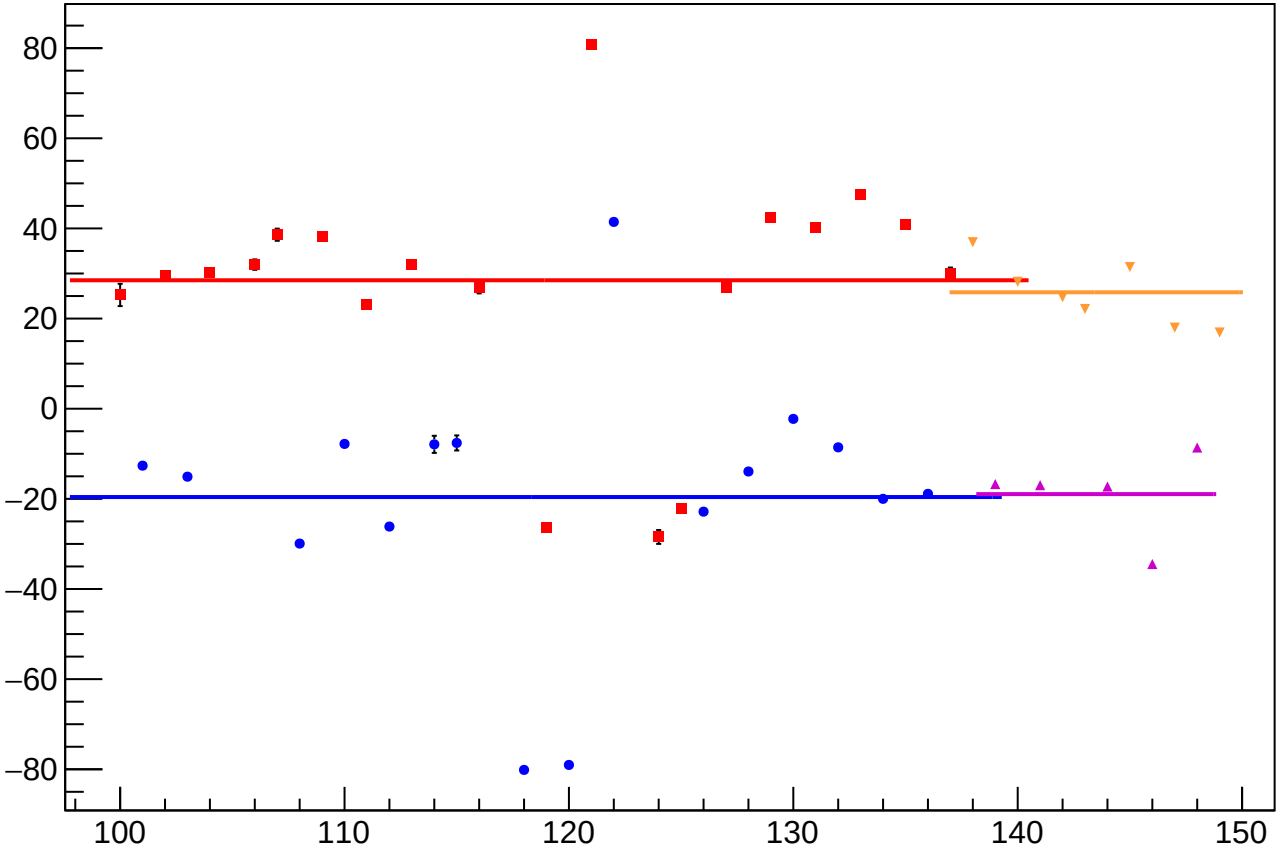
Left In: 957.372+/-0.324 χ^2/NDF:34477.7/4

+ sign 947.298+/-0.189 χ^2/NDF: 144643.2/22

All: 947.206+/-0.136 χ^2/NDF: 281717.3/46

- 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: 25.834+/-0.284 χ^2/NDF:581.0/6

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

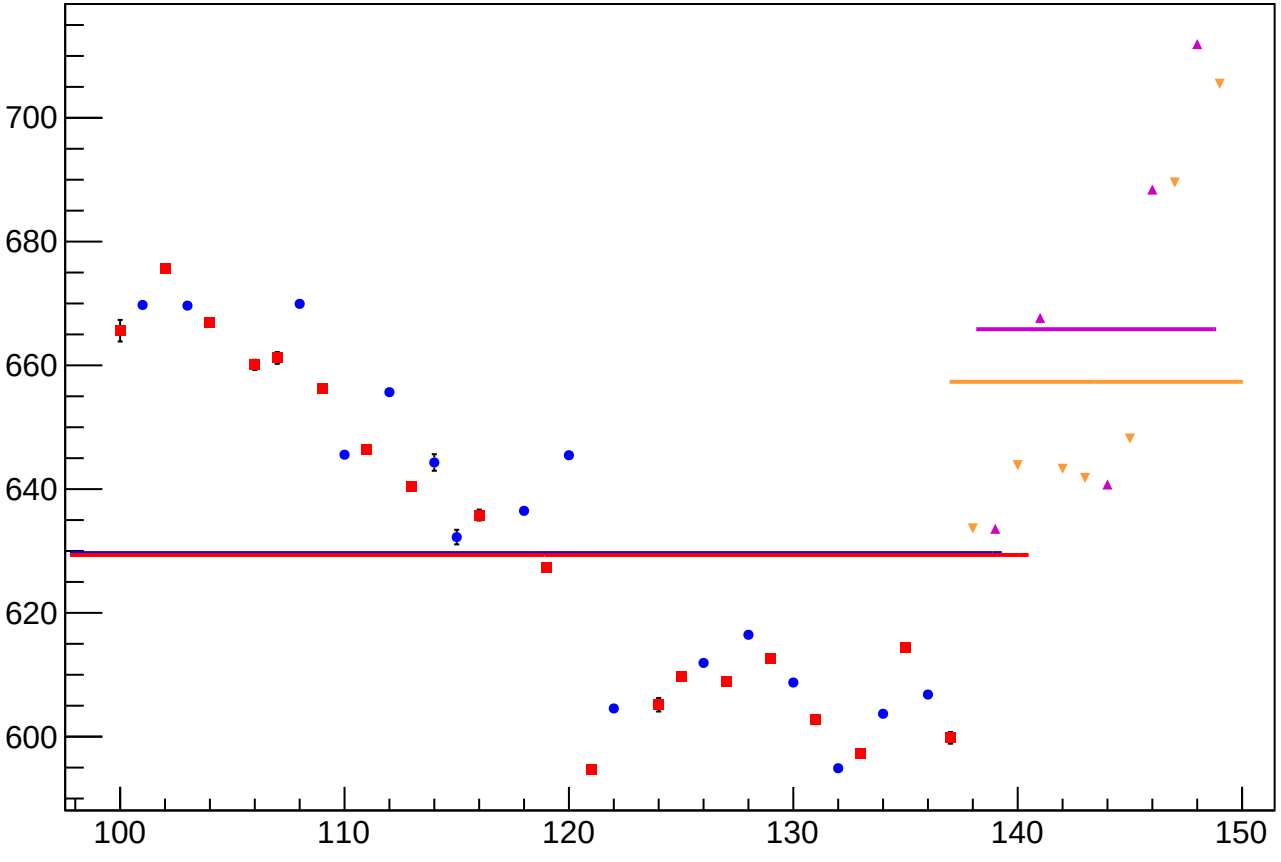
Left In: -18.947+/-0.319 χ^2/NDF:659.6/4

+ sign -1.241+/-0.181 χ^2/NDF: 28973.8/22

All: 5.310+/-0.130 χ^2/NDF: 59905.1/46

- 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: 657.341+/-0.201 χ^2/NDF:16024.1/6

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

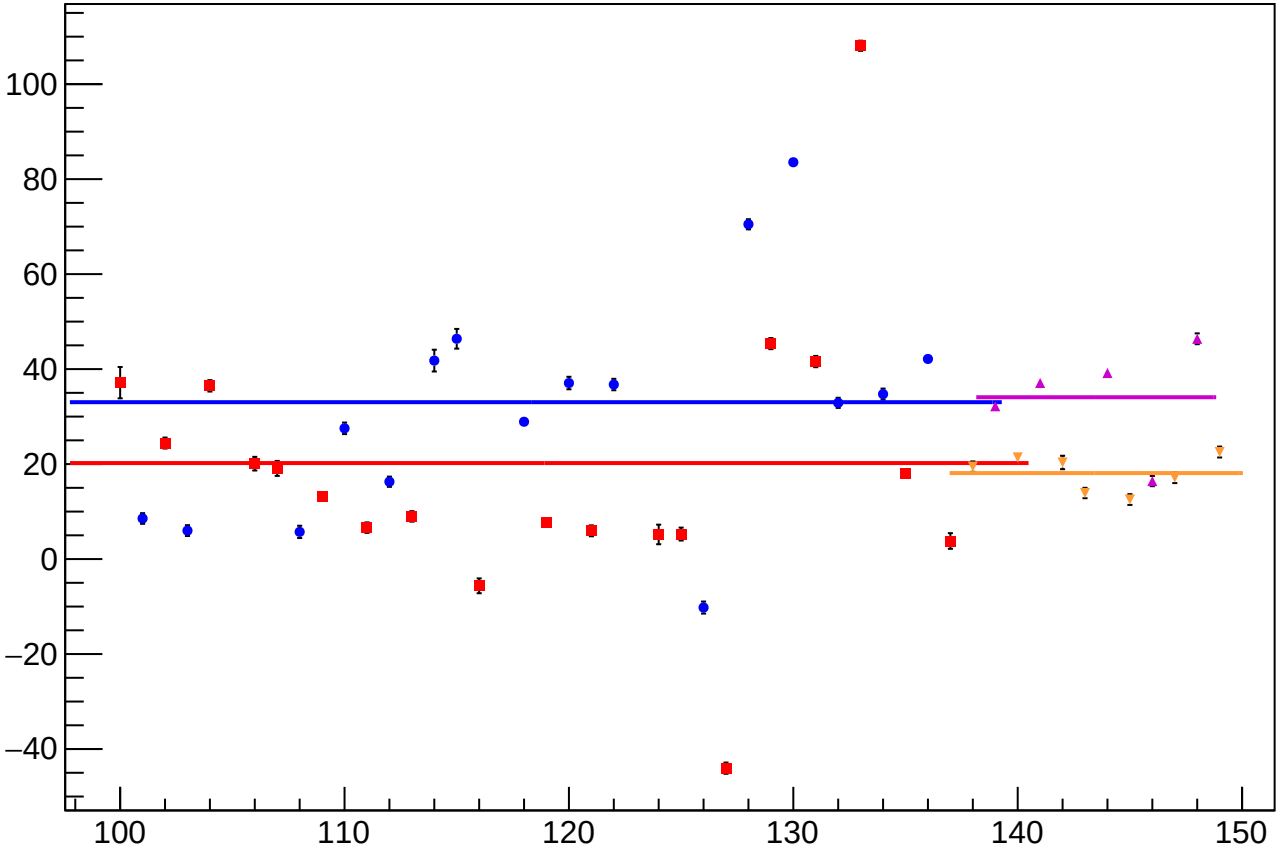
Left In: 665.840+/-0.225 χ^2/NDF:16143.1/4

+ sign 640.845+/-0.128 χ^2/NDF: 52642.5/22

All: 641.324+/-0.092 χ^2/NDF: 112856.0/46

- 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: 18.107+/-0.432 χ^2/NDF:68.1/6

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

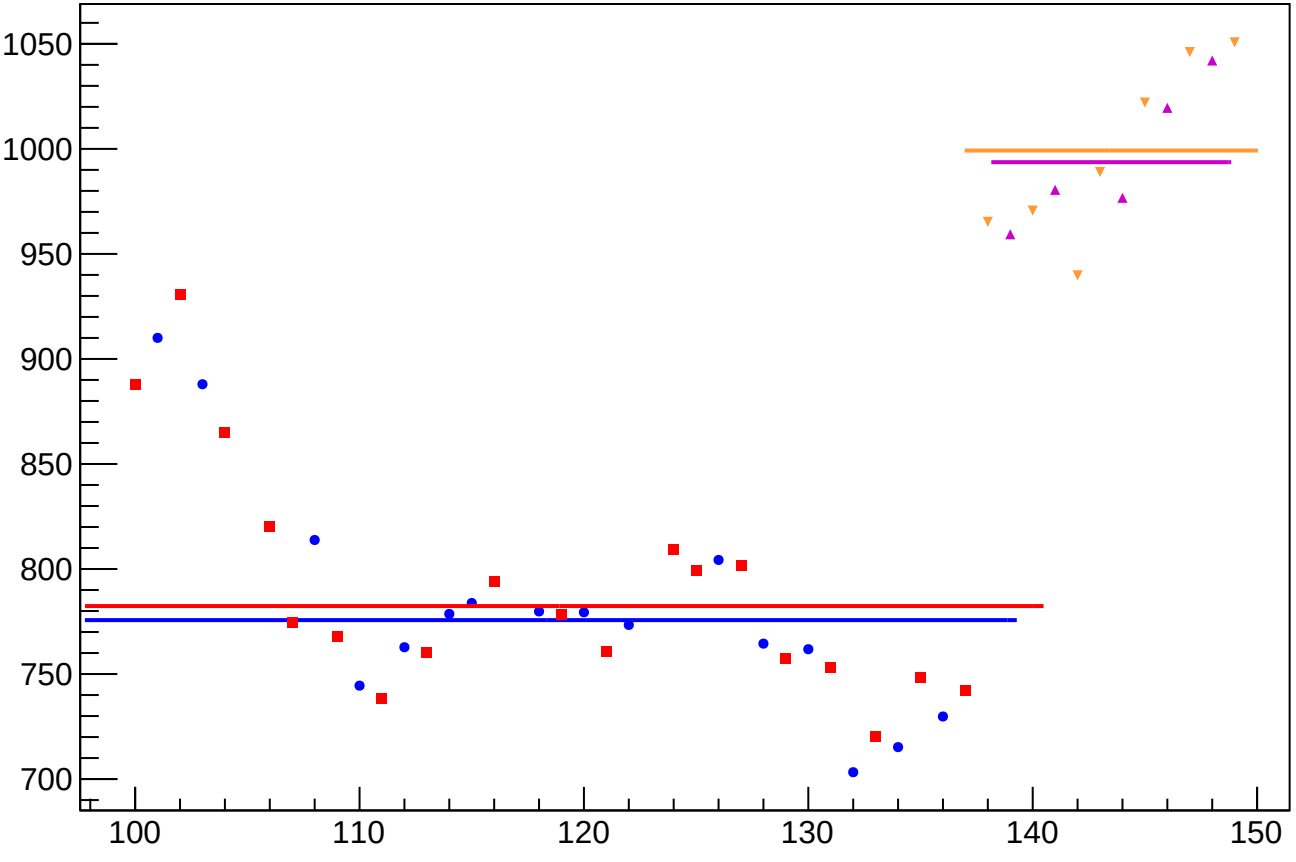
Left In: 34.076+/-0.476 χ^2/NDF:422.7/4

+ sign 28.423+/-0.240 χ^2/NDF: 7592.6/22

All: 26.204+/-0.172 χ^2/NDF: 20682.7/46

- 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: 999.224+/-0.306 χ^2/NDF:15231.9/6

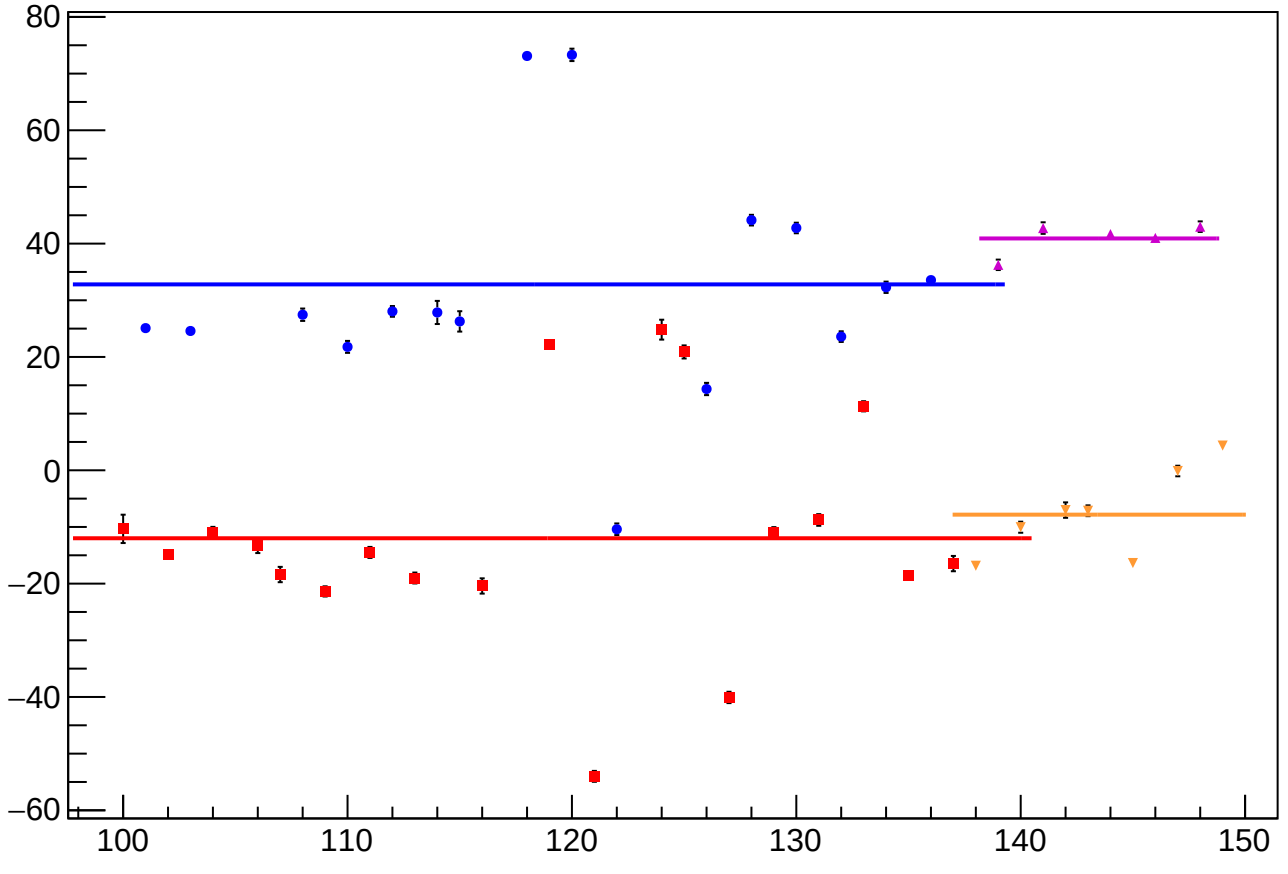
Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 993.682+/-0.336 χ^2/NDF:7790.8/4

+ sign 844.708+/-0.170 χ^2/NDF: 459746.3/22

All: 841.635+/-0.121 χ^2/NDF: 822618.4/46

- sign 838.436+/-0.173 χ^2/NDF: 362204.2/23



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.828+/-0.360 χ^2/NDF:462.9/6

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

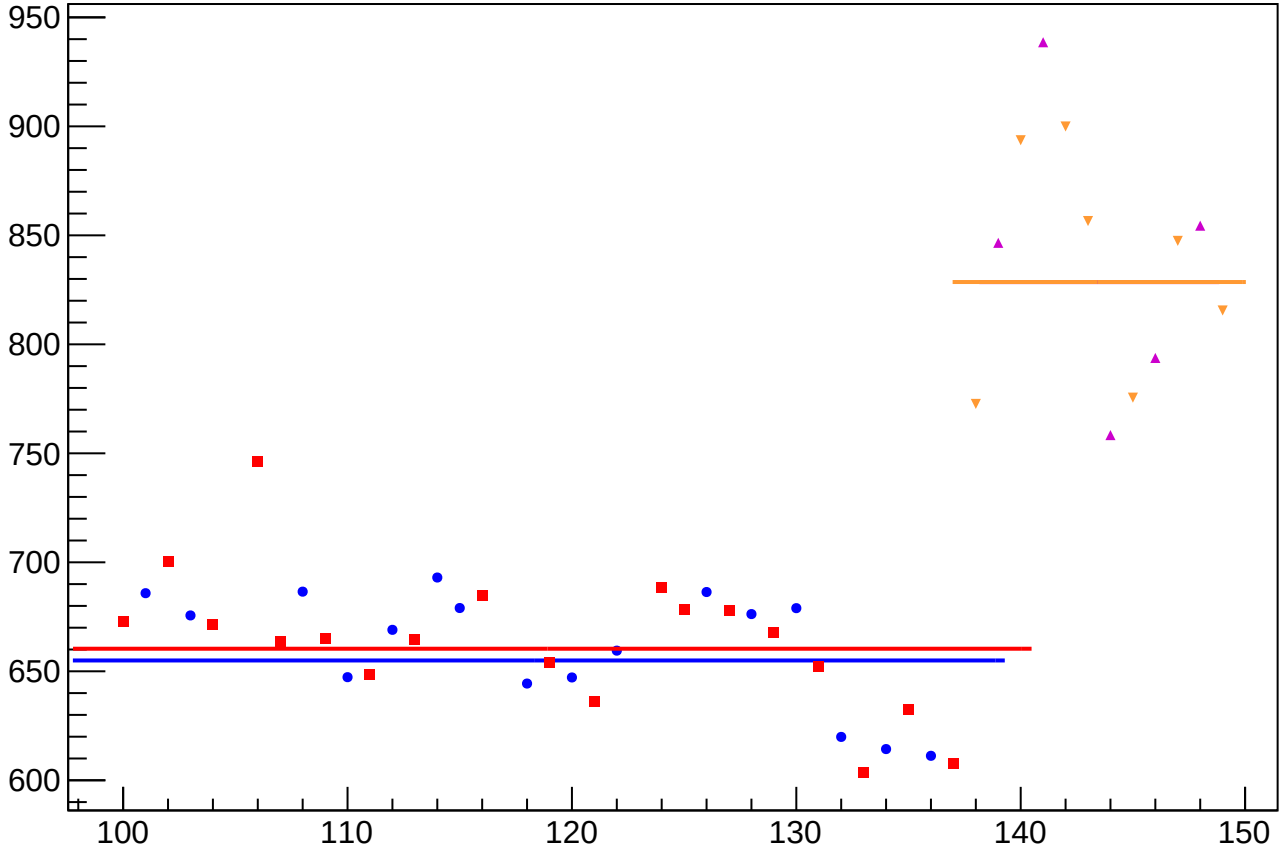
Left In: 40.910+/-0.400 χ^2/NDF:34.6/4

\+ sign 20.045+/-0.202 χ^2/NDF: 15464.2/22

All: 11.287+/-0.144 χ^2/NDF: 38749.4/46

\- 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: 828.586+/-0.255 χ^2/NDF:32927.6/6

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

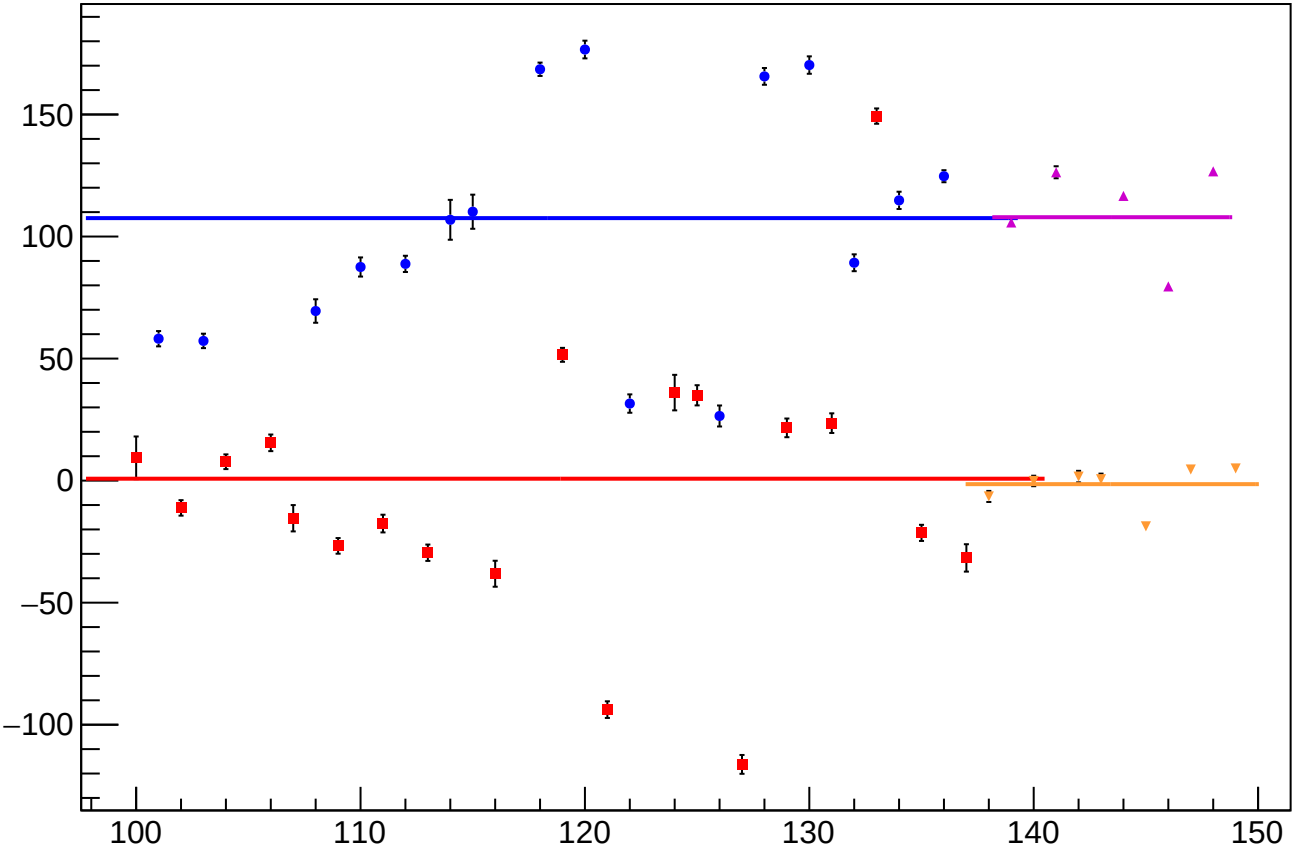
Left In: 828.553+/-0.283 χ^2/NDF:44173.2/4

+ sign 709.488+/-0.143 χ^2/NDF: 378902.0/22

All: 707.385+/-0.102 χ^2/NDF: 713282.7/46

- 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: -1.444+/-0.763 χ^2/NDF:112.0/6

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

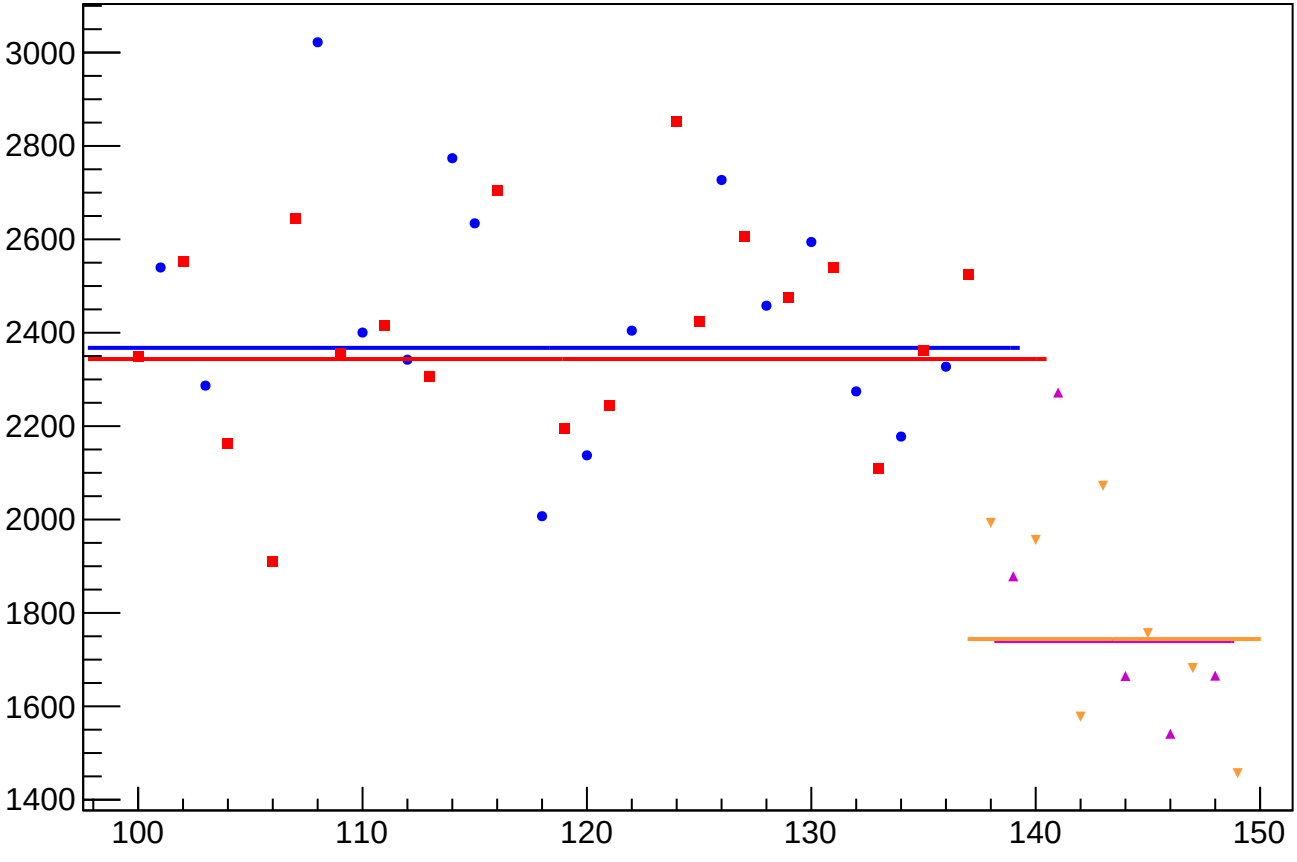
Left In: 107.921+/-0.849 χ^2/NDF:487.1/4

\+ sign 44.992+/-0.578 χ^2/NDF: 11766.4/22

All: 49.807+/-0.418 χ^2/NDF: 25011.9/46

\- 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: 1744.117+/-0.539 χ^2/NDF:161090.7/6

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

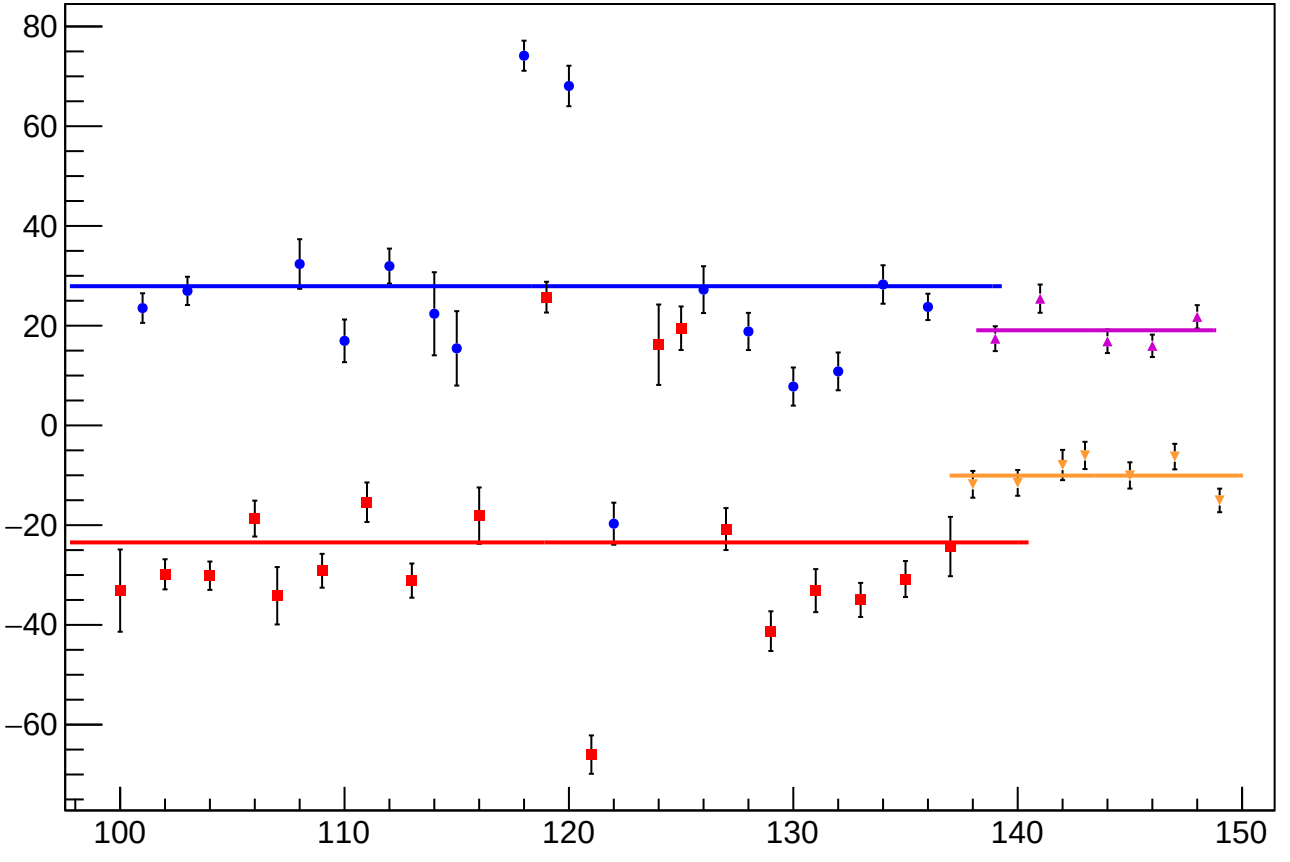
Left In: 1739.721+/-0.601 χ^2/NDF:138705.9/4

+ sign 2009.762+/-0.409 χ^2/NDF: 857214.4/22

All: 2023.068+/-0.295 χ^2/NDF: 1609360.4/46

- 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: -10.057+/-0.997 χ^2/NDF:10.1/6

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

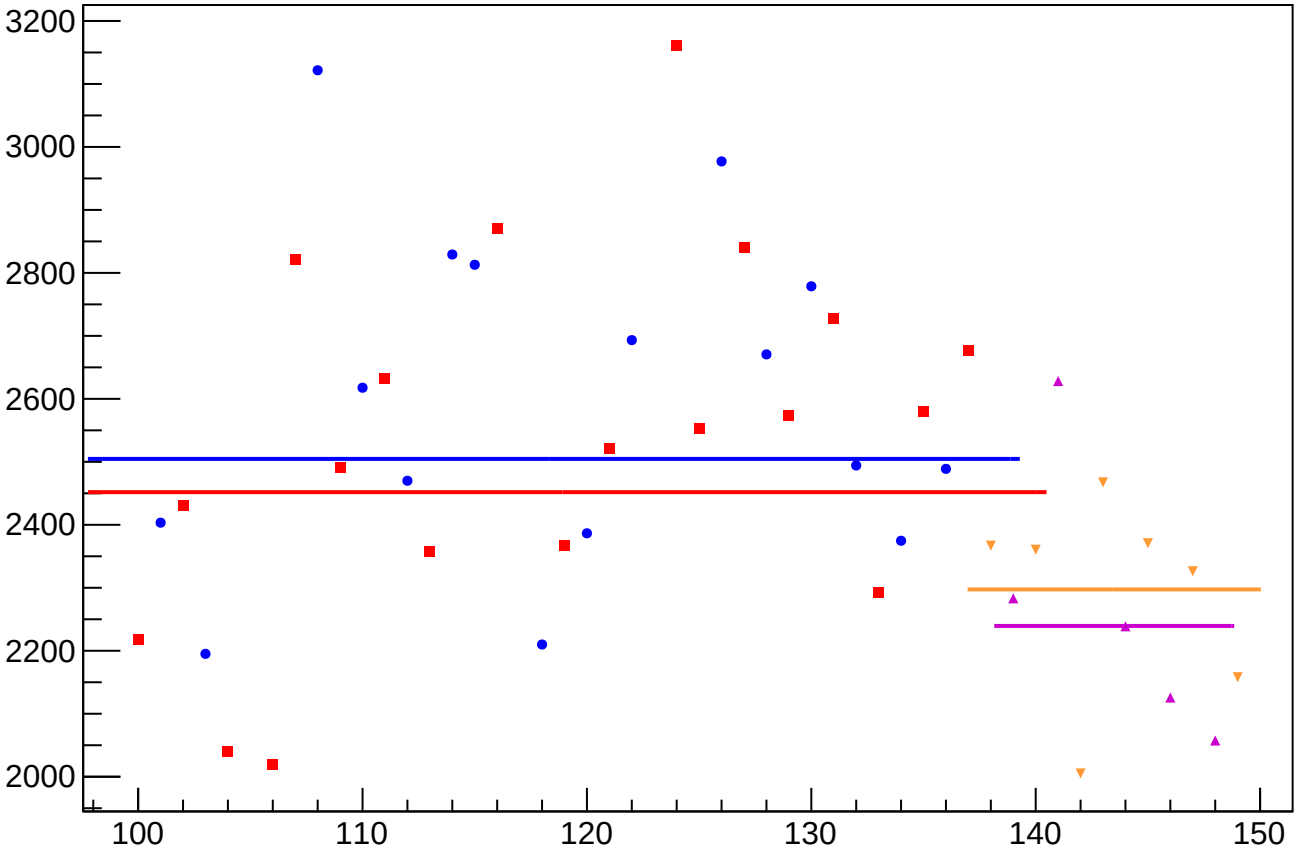
Left In: 19.077+/-1.088 χ^2/NDF:9.6/4

+ sign 10.105+/-0.683 χ^2/NDF: 1311.5/22

All: 2.136+/-0.487 χ^2/NDF: 3071.7/46

- 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: 2297.417+/-0.705 χ^2/NDF:37605.3/6

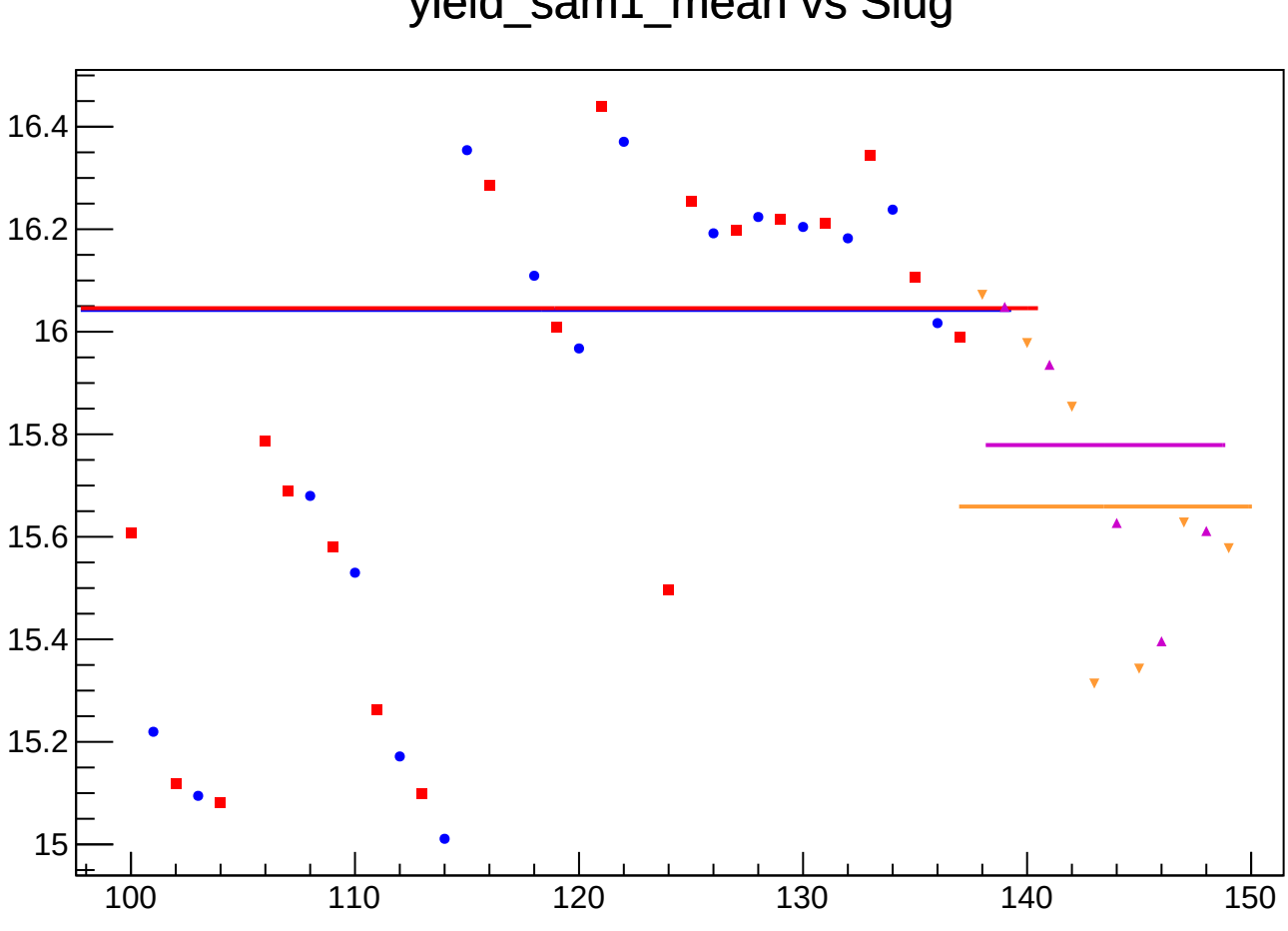
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2239.414+/-0.769 χ^2/NDF:55550.1/4

+ sign 2407.450+/-0.483 χ^2/NDF: 210116.2/22

All: 2386.727+/-0.344 χ^2/NDF: 467832.4/46

- 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: 15.659+/-0.000 χ^2/NDF:4293052911.3/6

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

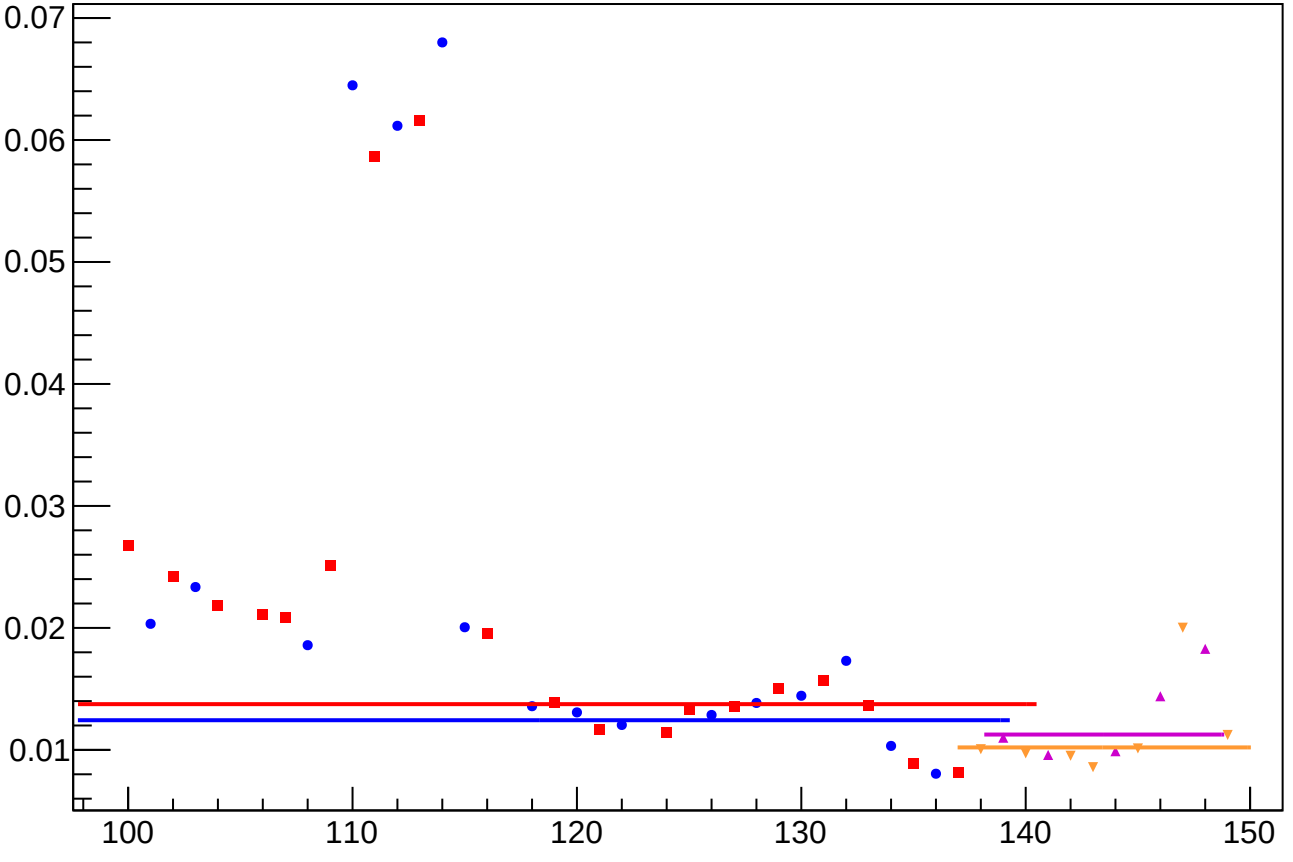
Left In: 15.779+/-0.000 χ^2/NDF:1544173224.1/4

+ sign 15.825+/-0.000 χ^2/NDF: 10102977745.3/22

All: 15.862+/-0.000 χ^2/NDF: 16540481931.0

- 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:461351.7/6

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

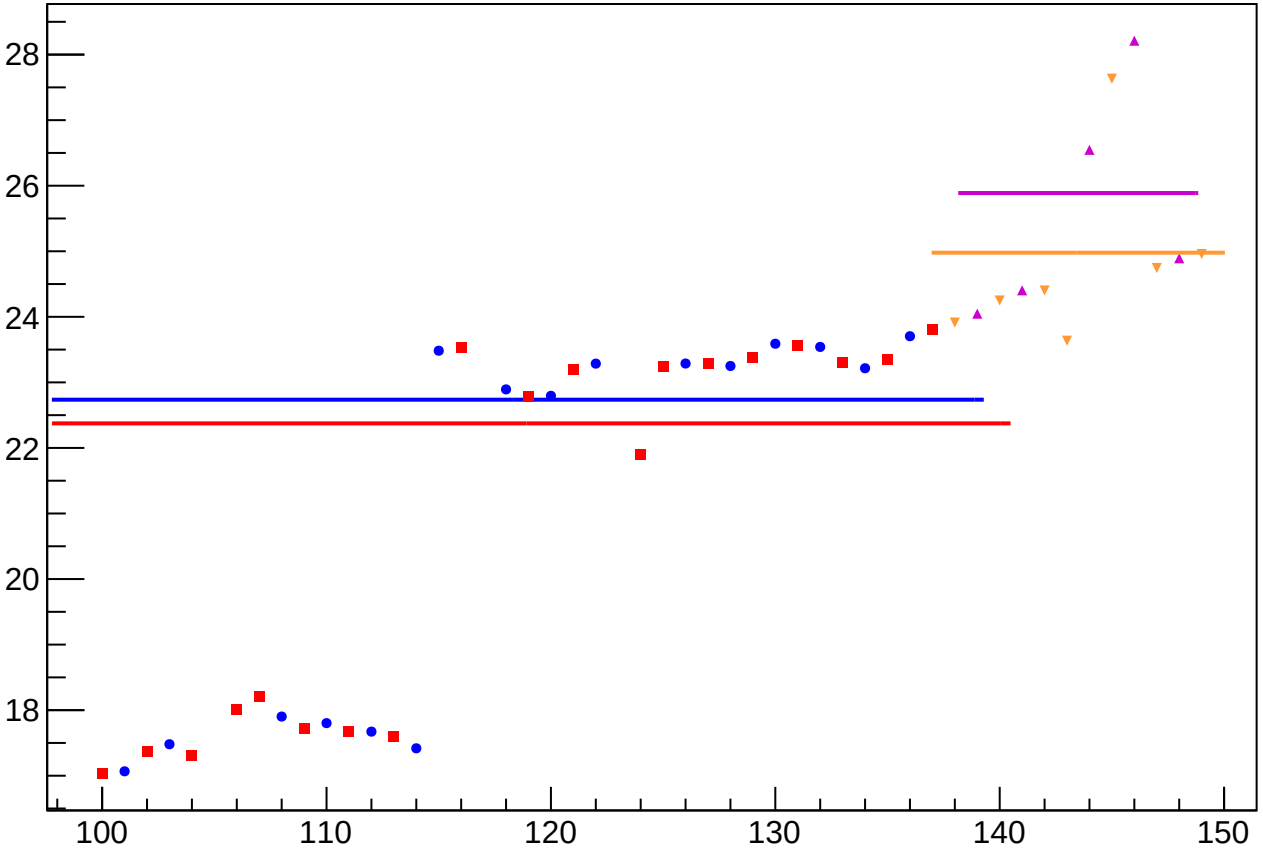
Left In: 0.011+/-0.000 χ^2/NDF:394048.5/4

+ sign 0.011+/-0.000 χ^2/NDF: 2978927.9/22

All: 0.012+/-0.000 χ^2/NDF: 5914693.6/46

- sign 0.012+/-0.000 χ^2/NDF: 2813459.6/23

yield_sam2_mean vs Slug



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.979+/-0.000 χ^2/NDF:760085102.9/6

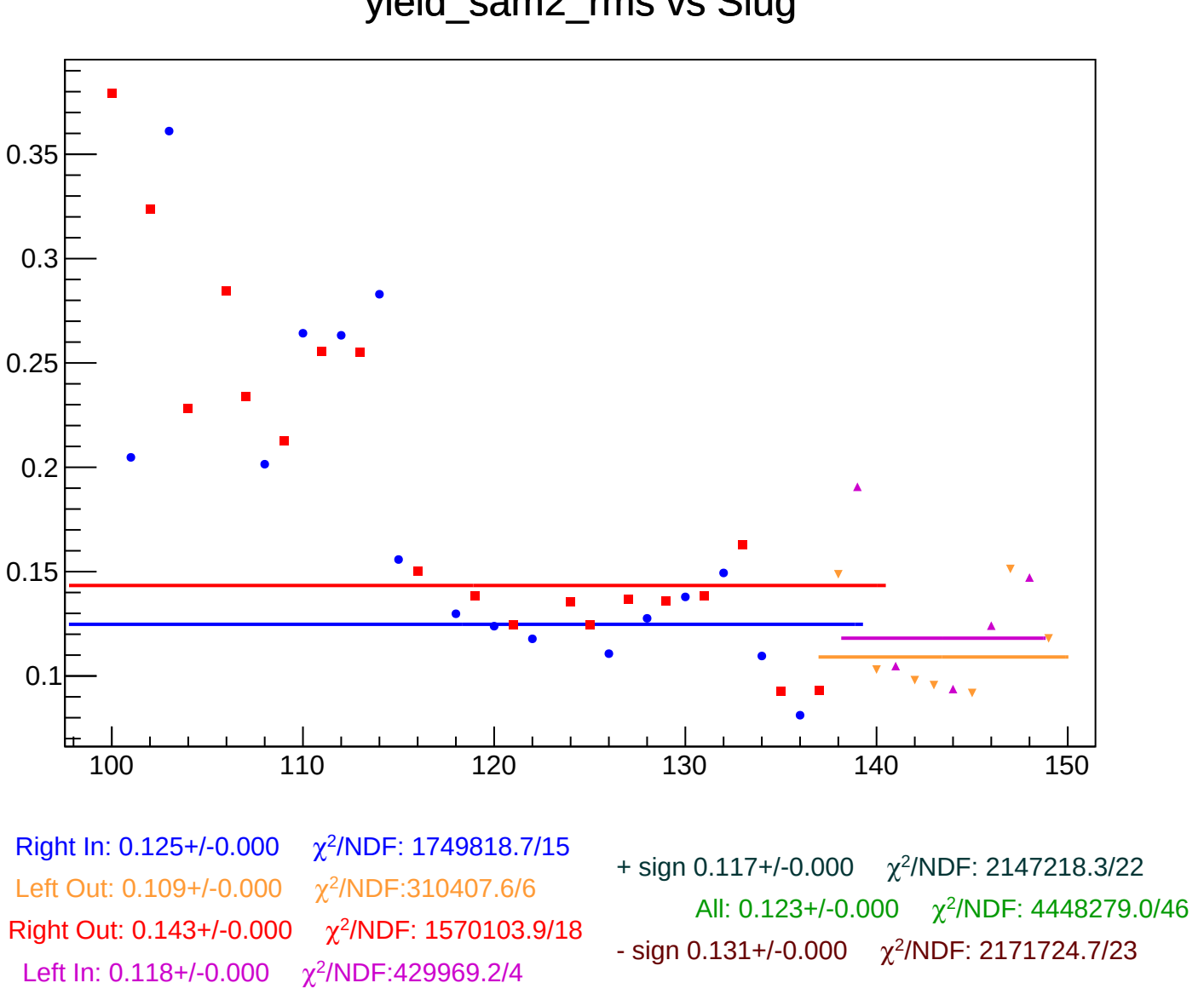
Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.888+/-0.000 χ^2/NDF:565815607.5/4

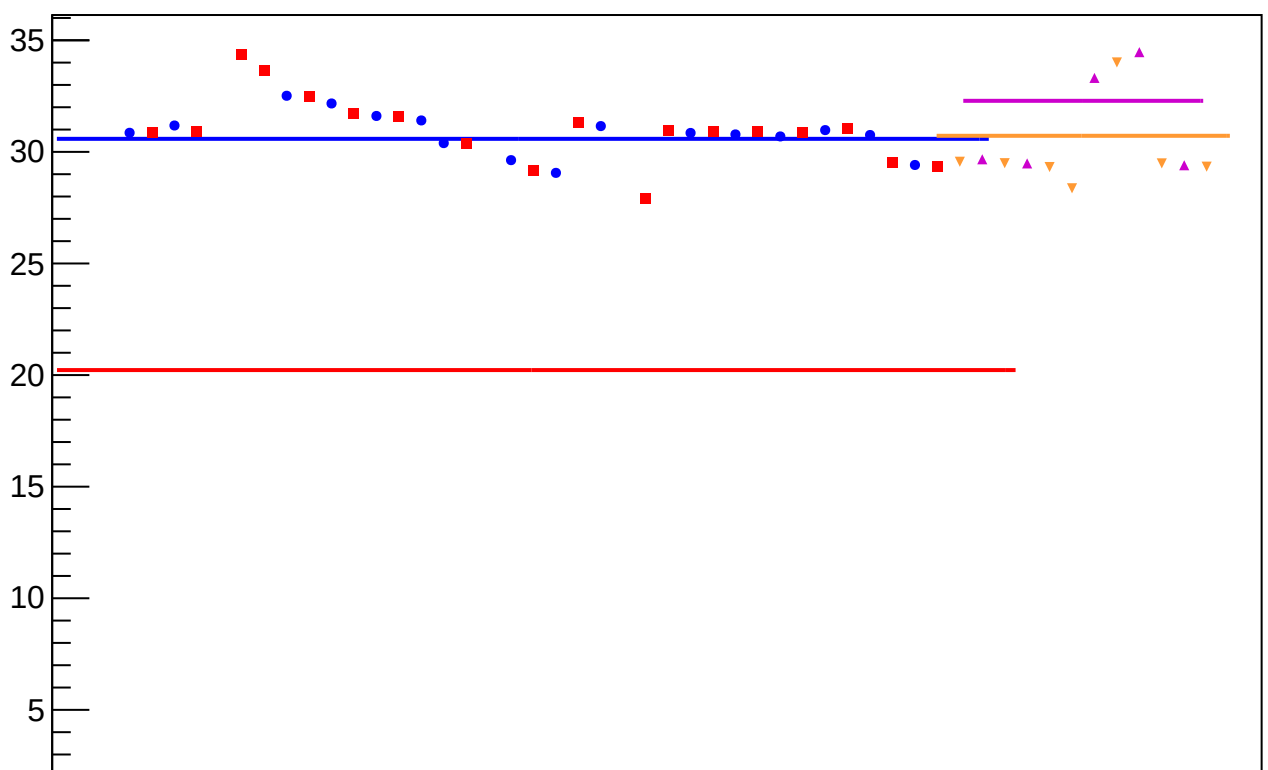
\+ sign 23.893+/-0.000 χ^2/NDF: 2872067990.3/22

All: 23.967+/-0.000 χ^2/NDF: 6323469268.2/4

\- sign 24.066+/-0.000 χ^2/NDF: 3442245484.6/23


yield_sam2_rms vs Slug
0.35
0.3
0.25
0.2
0.15
0.1
100
110
120
130
140
150
Right In: 0.125+/-0.000 χ²/NDF: 1749818.7/15
Left Out: 0.109+/-0.000 χ²/NDF:310407.6/6
Right Out: 0.143+/-0.000 χ²/NDF: 1570103.9/18
Left In: 0.118+/-0.000 χ²/NDF:429969.2/4
+ sign 0.117+/-0.000 χ²/NDF: 2147218.3/22
All: 0.123+/-0.000 χ²/NDF: 4448279.0/46
- sign 0.131+/-0.000 χ²/NDF: 2171724.7/23

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.721+/-0.000 χ^2/NDF:4537566439.7/6

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

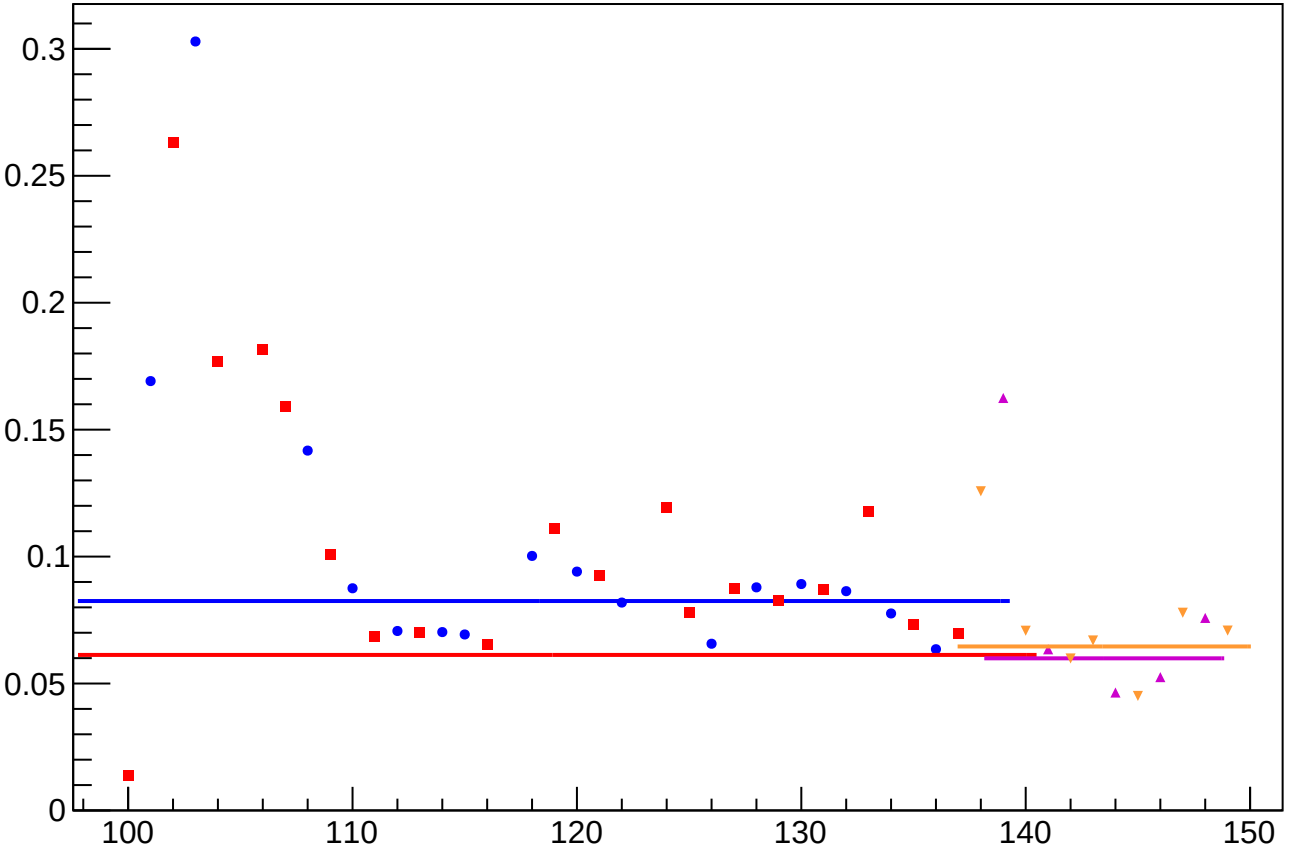
Left In: 32.288+/-0.000 χ^2/NDF:3738287319.9/4

+ sign 30.657+/-0.000 χ^2/NDF: 5197537661.2/22

All: 27.840+/-0.000 χ^2/NDF: 322542728060.

- 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: 0.065+/-0.000 χ^2/NDF:584366.8/6

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

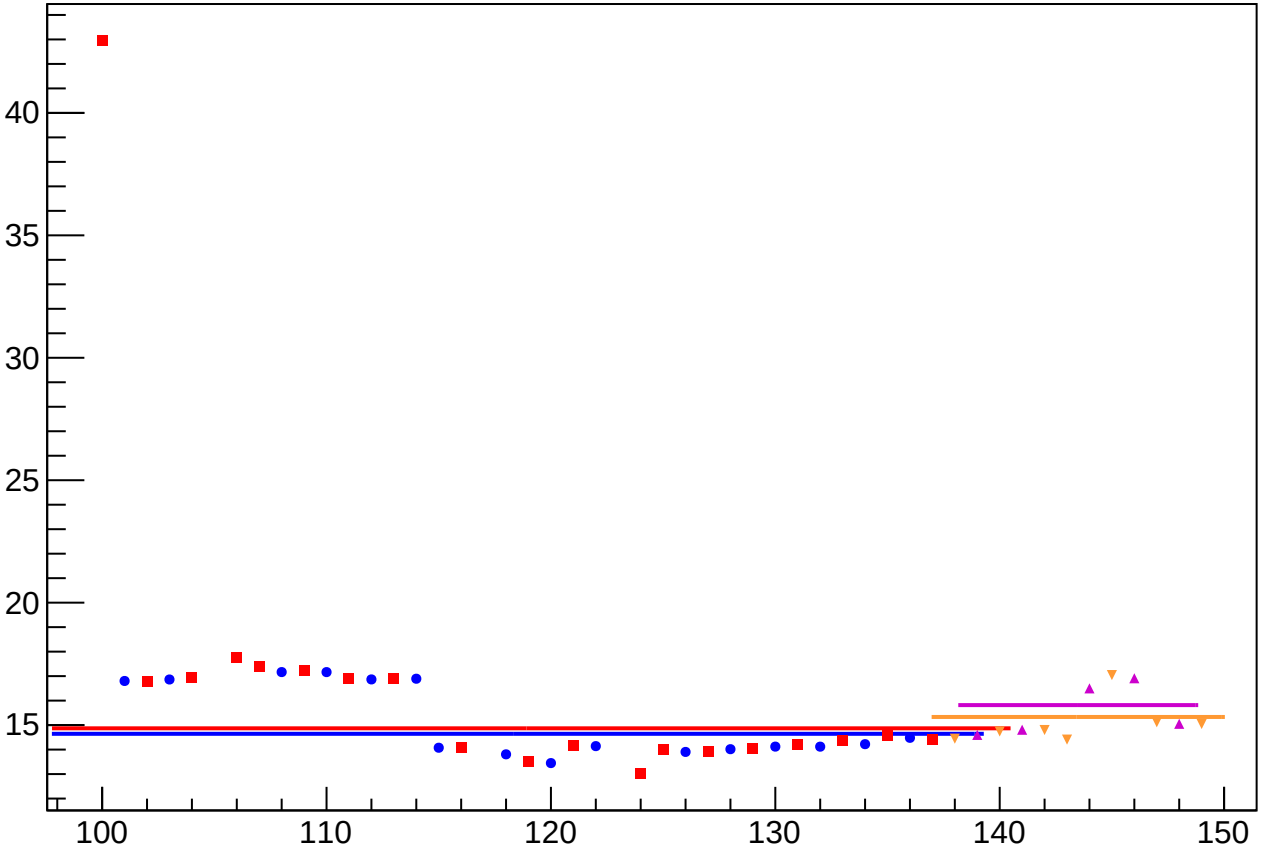
Left In: 0.060+/-0.000 χ^2/NDF:850909.6/4

+ sign 0.073+/-0.000 χ^2/NDF: 2110941.1/22

All: 0.066+/-0.000 χ^2/NDF: 7243387.7/46

- 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: 15.332+/-0.000 χ^2/NDF:917158739.6/6

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

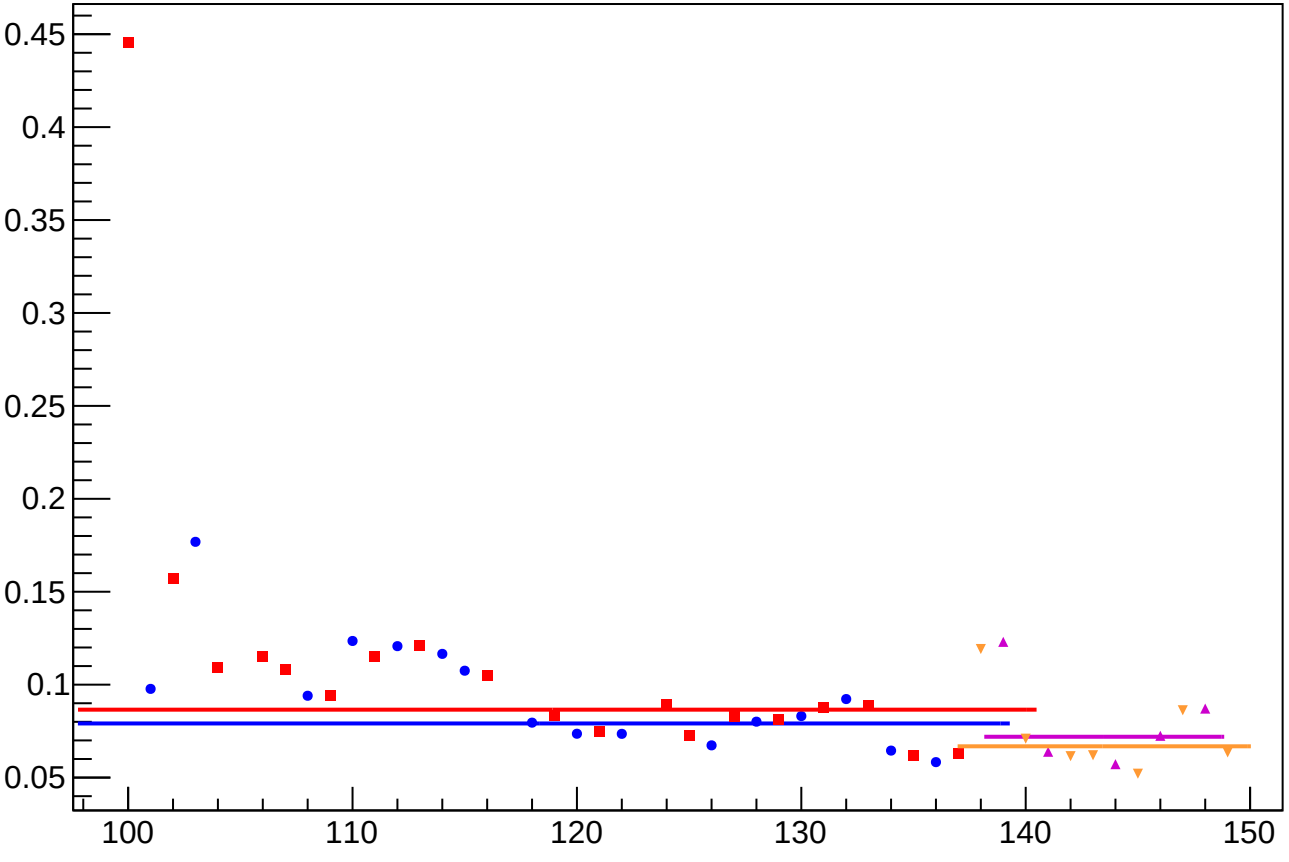
Left In: 15.817+/-0.000 χ^2/NDF:569608055.4/4

+ sign 14.986+/-0.000 χ^2/NDF: 2331285822.8/22

All: 15.122+/-0.000 χ^2/NDF: 5039743210.8/4

- 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: 0.067+/-0.000 χ^2/NDF:470491.9/6

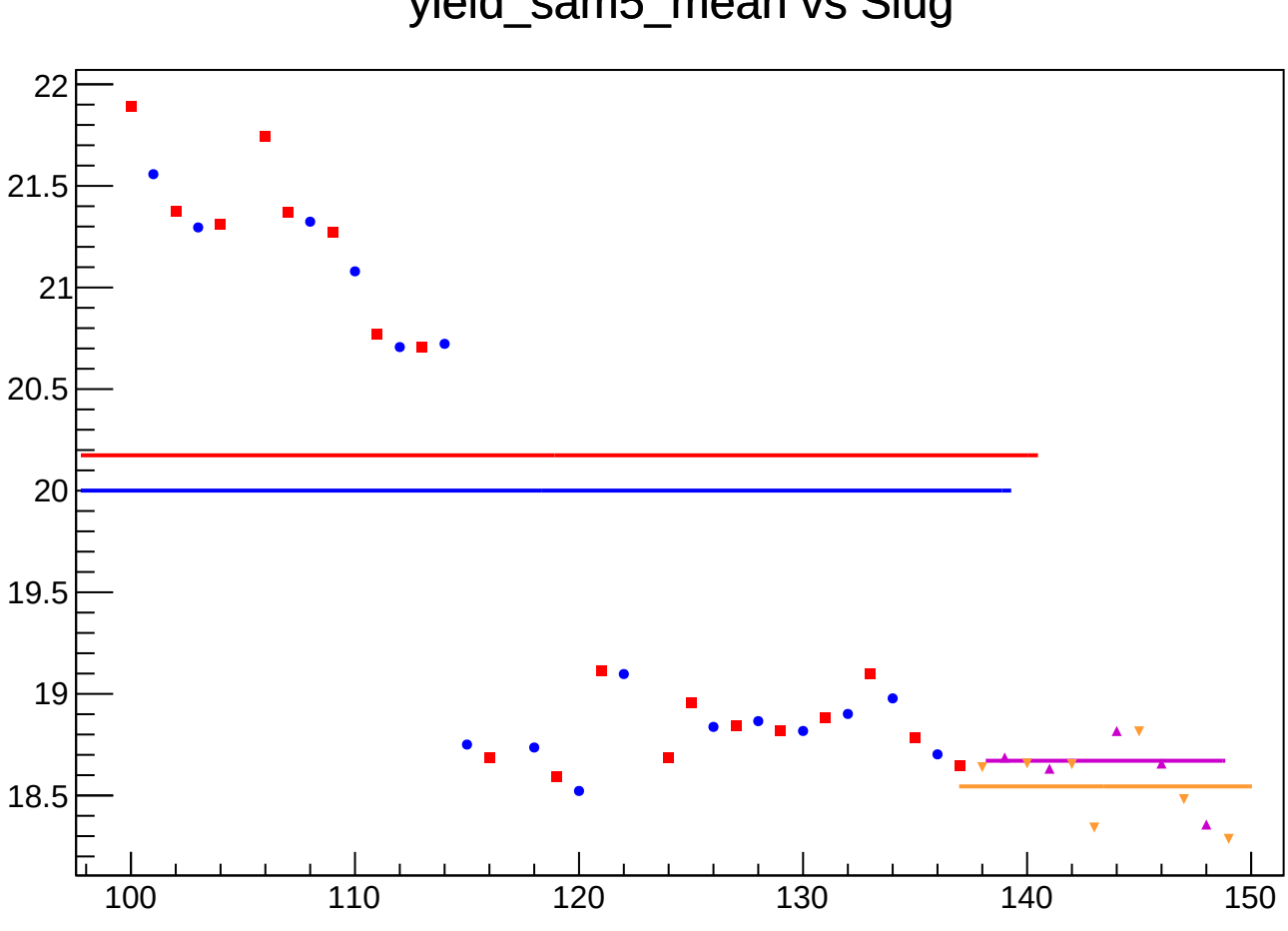
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

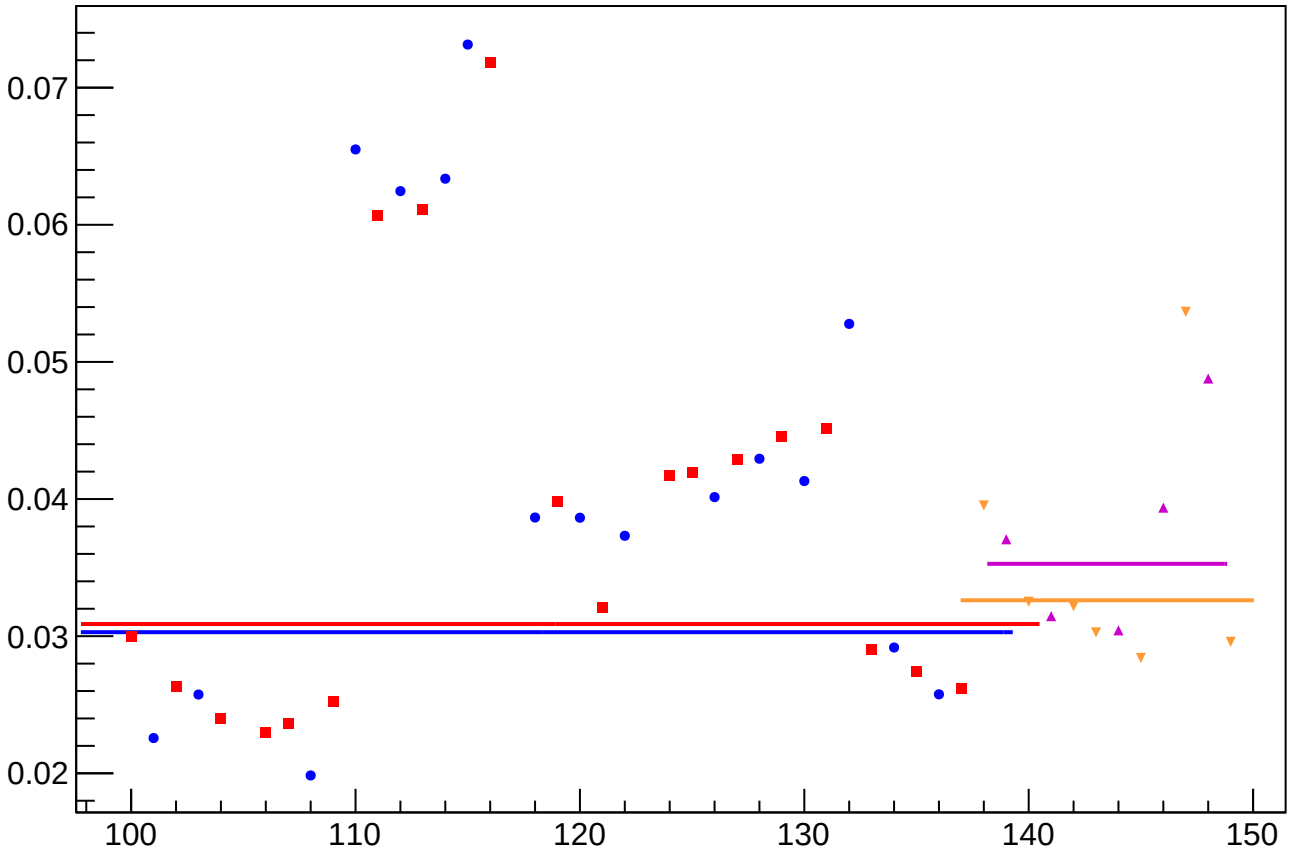
Left In: 0.072+/-0.000 χ^2/NDF:439805.9/4

+ sign 0.073+/-0.000 χ^2/NDF: 1529415.5/22

All: 0.076+/-0.000 χ^2/NDF: 2999493.7/46

- sign 0.080+/-0.000 χ^2/NDF: 1389312.5/23


yield_sam5_mean vs Slug
22
21.5
21
20.5
20
19.5
19
18.5
100
110
120
130
140
150
Right In: 20.001+/-0.000 χ²/NDF: 10878846617.7/15
Left Out: 18.545+/-0.000 χ²/NDF:187615328.0/6
Right Out: 20.174+/-0.000 χ²/NDF: 10426322430.8/18
Left In: 18.671+/-0.000 χ²/NDF:53810847.8/4
+ sign 19.393+/-0.000 χ²/NDF: 16810653800.5/22
All: 19.526+/-0.000 χ²/NDF: 32575787994.8
- sign 19.678+/-0.000 χ²/NDF: 15345033120.0/23



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.033+/-0.000 χ^2/NDF:352623.9/6

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

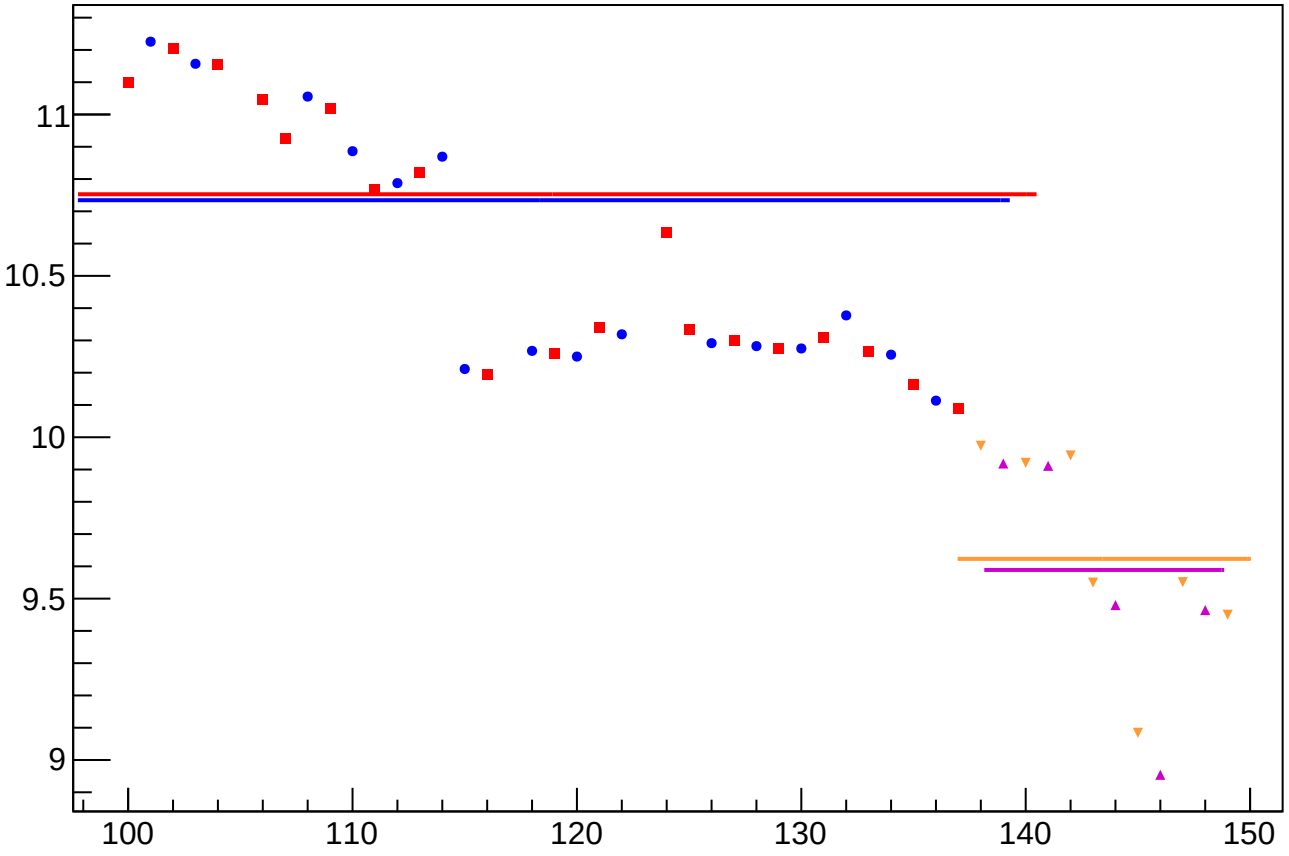
Left In: 0.035+/-0.000 χ^2/NDF:210335.5/4

+ sign 0.031+/-0.000 χ^2/NDF: 1829350.8/22

All: 0.032+/-0.000 χ^2/NDF: 3339383.0/46

- 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: 9.623+/-0.000 χ^2/NDF:1136690741.5/6

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

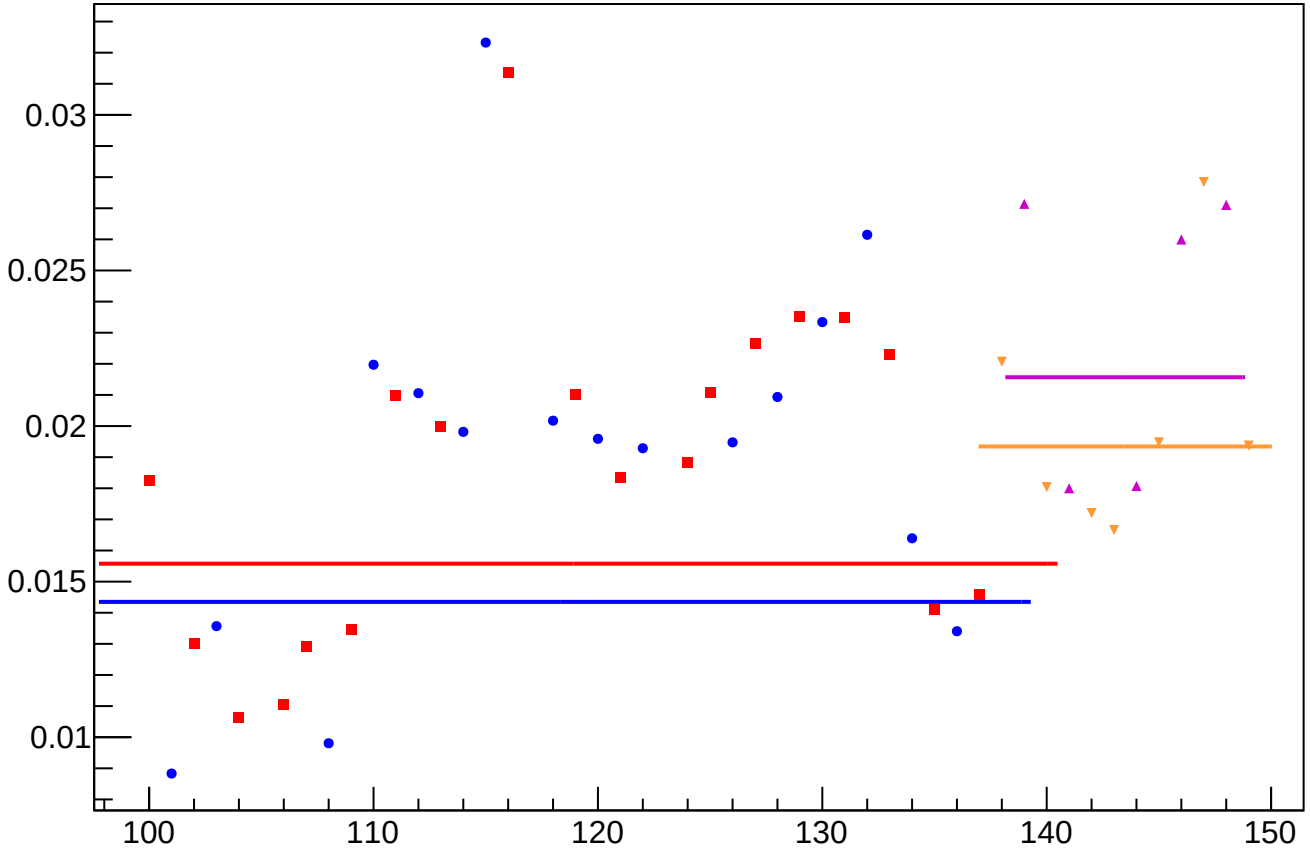
Left In: 9.589+/-0.000 χ^2/NDF:908637049.2/4

+ sign 10.385+/-0.000 χ^2/NDF: 17723942787.5/22

All: 10.422+/-0.000 χ^2/NDF: 31617253190.1

- 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:227323.4/6

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

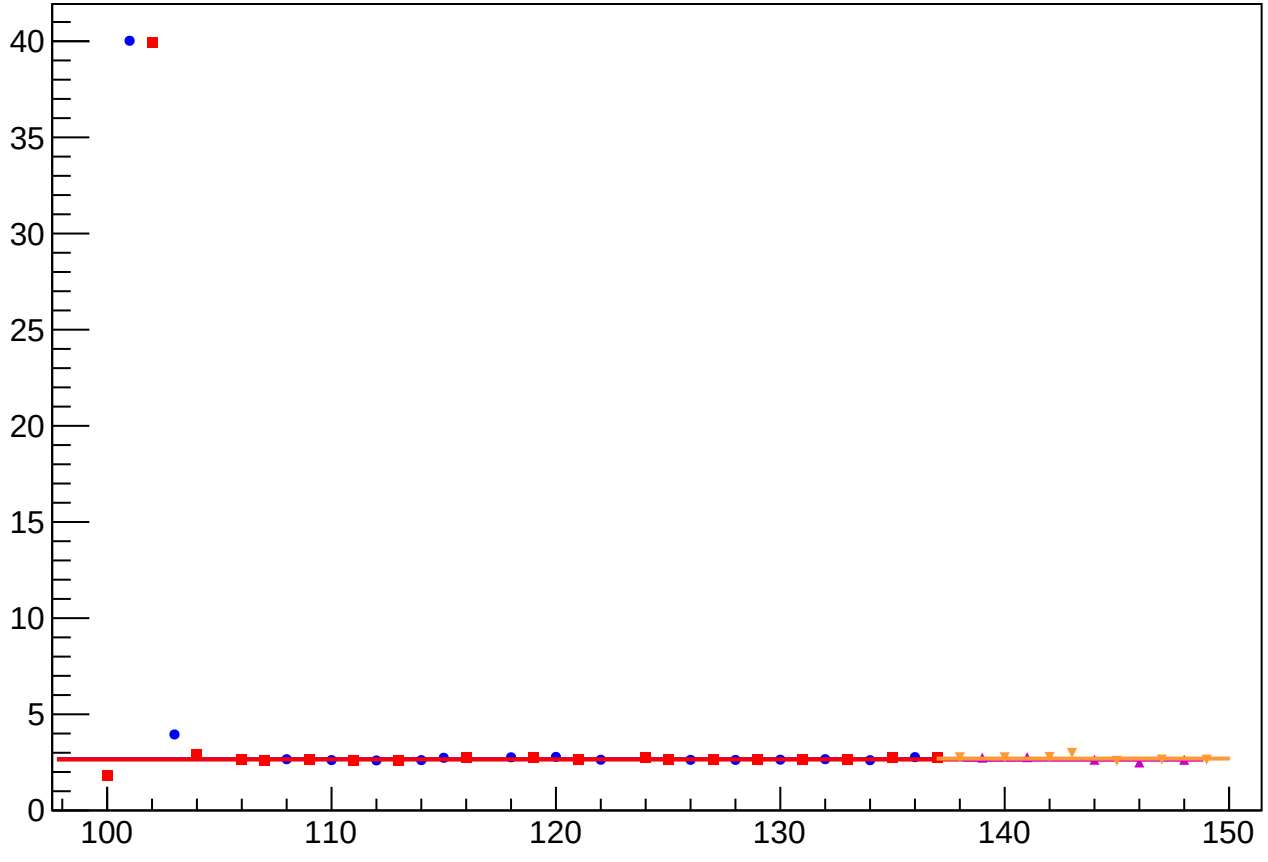
Left In: 0.022+/-0.000 χ^2/NDF:306000.4/4

+ sign 0.016+/-0.000 χ^2/NDF: 2141637.1/22

All: 0.016+/-0.000 χ^2/NDF: 4018815.9/46

- 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: 2.697+/-0.000 χ^2/NDF:14649497926.5/6

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

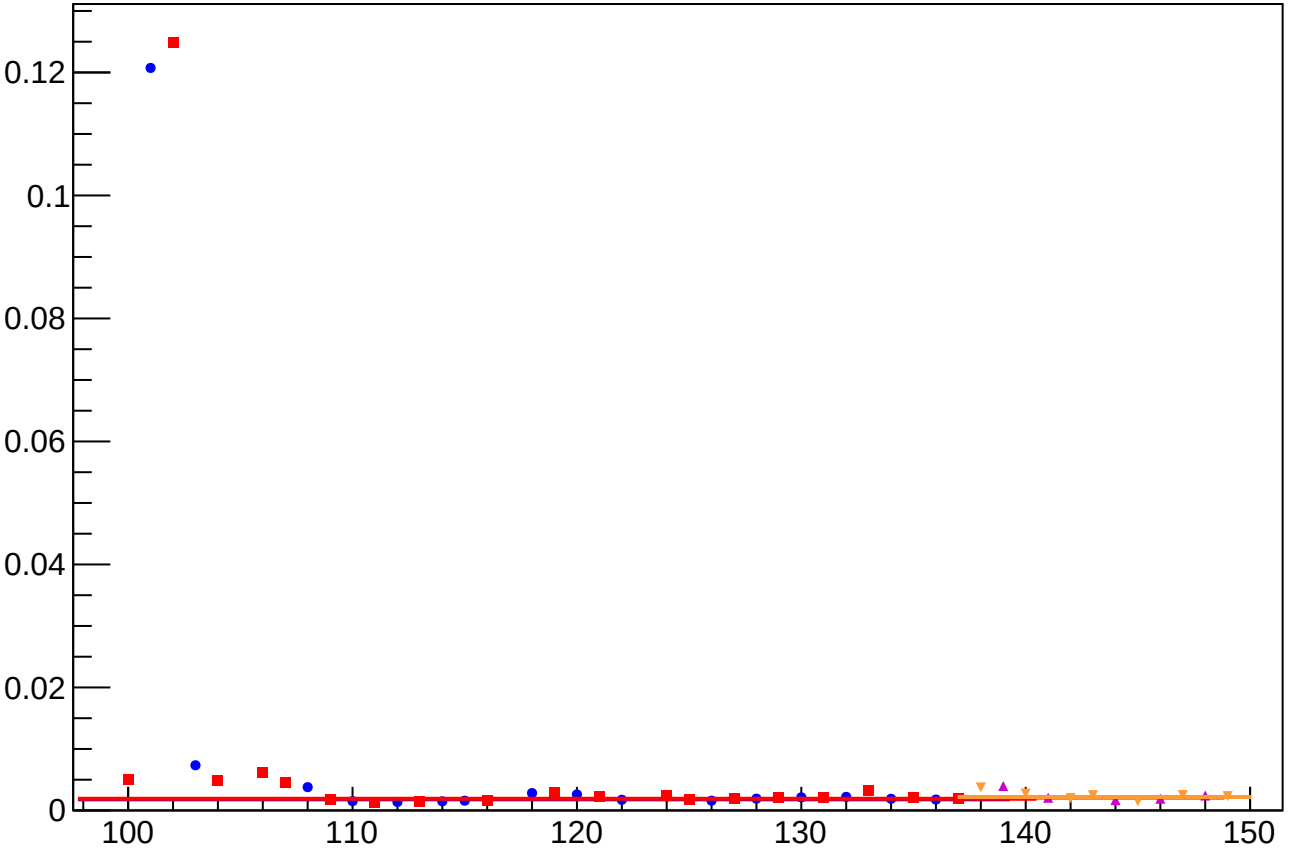
Left In: 2.637+/-0.000 χ^2/NDF:7318800423.2/4

+ sign 2.676+/-0.000 χ^2/NDF: 83091954352.8/22

All: 2.663+/-0.000 χ^2/NDF: 156426935297.8

- 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:618315.2/6

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

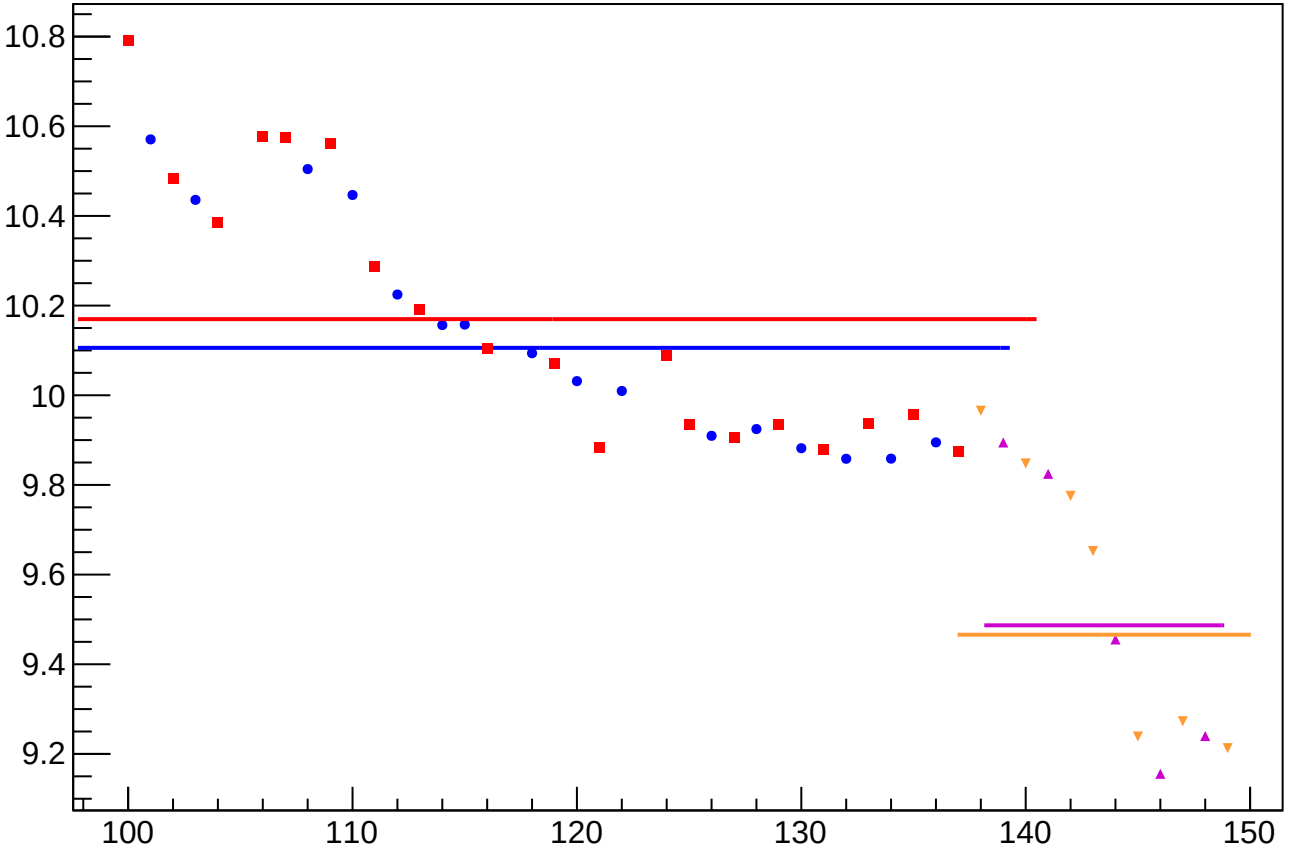
Left In: 0.002+/-0.000 χ^2/NDF:472363.4/4

+ sign 0.002+/-0.000 χ^2/NDF: 2587994.9/22

All: 0.002+/-0.000 χ^2/NDF: 5625030.2/46

- sign 0.002+/-0.000 χ^2/NDF: 3036393.5/23

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.466+/-0.000 χ^2/NDF:7391626597.6/6

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

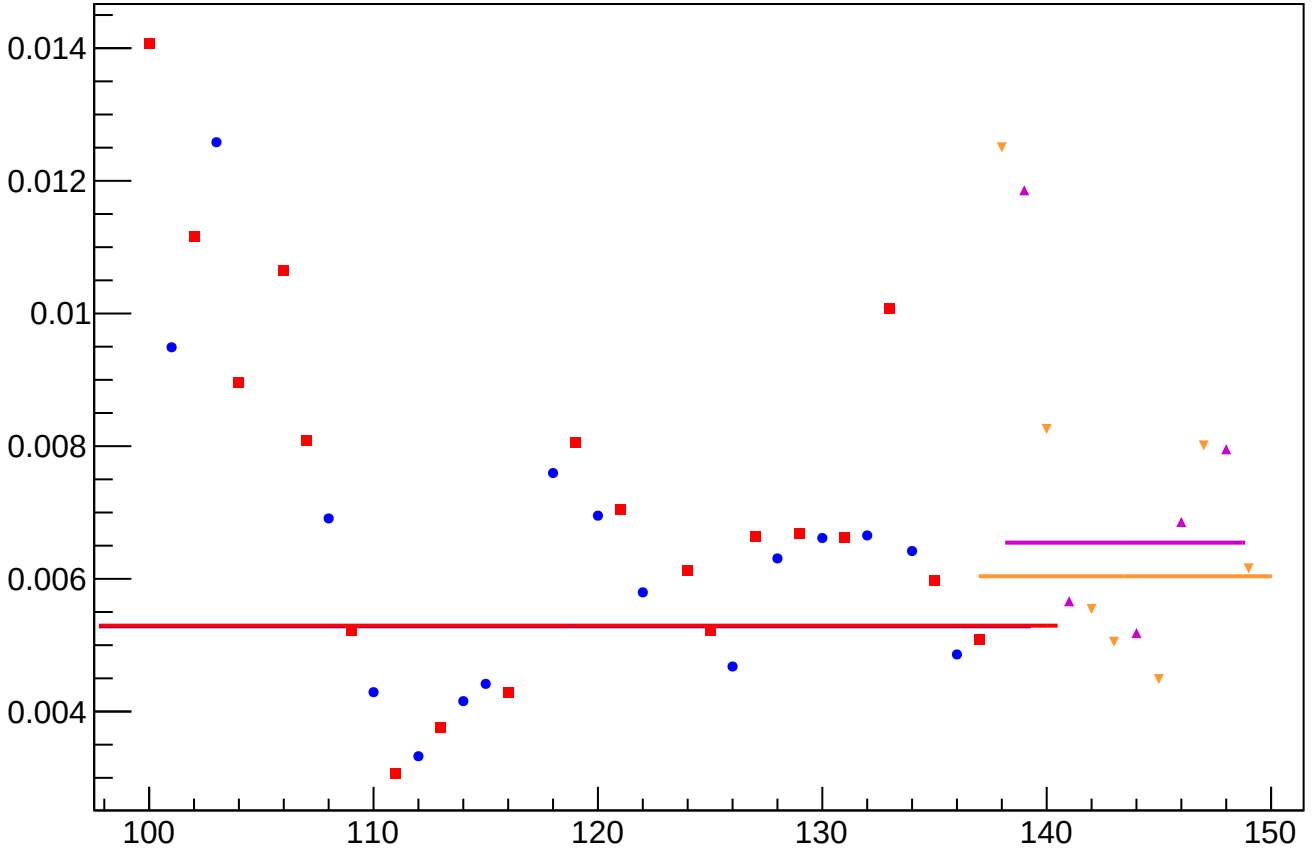
Left In: 9.487+/-0.000 χ^2/NDF:5578319515.8/4

+ sign 9.878+/-0.000 χ^2/NDF: 44748947793.9/22

All: 9.926+/-0.000 χ^2/NDF: 86668378349.2/4

- 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:741308.1/6

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

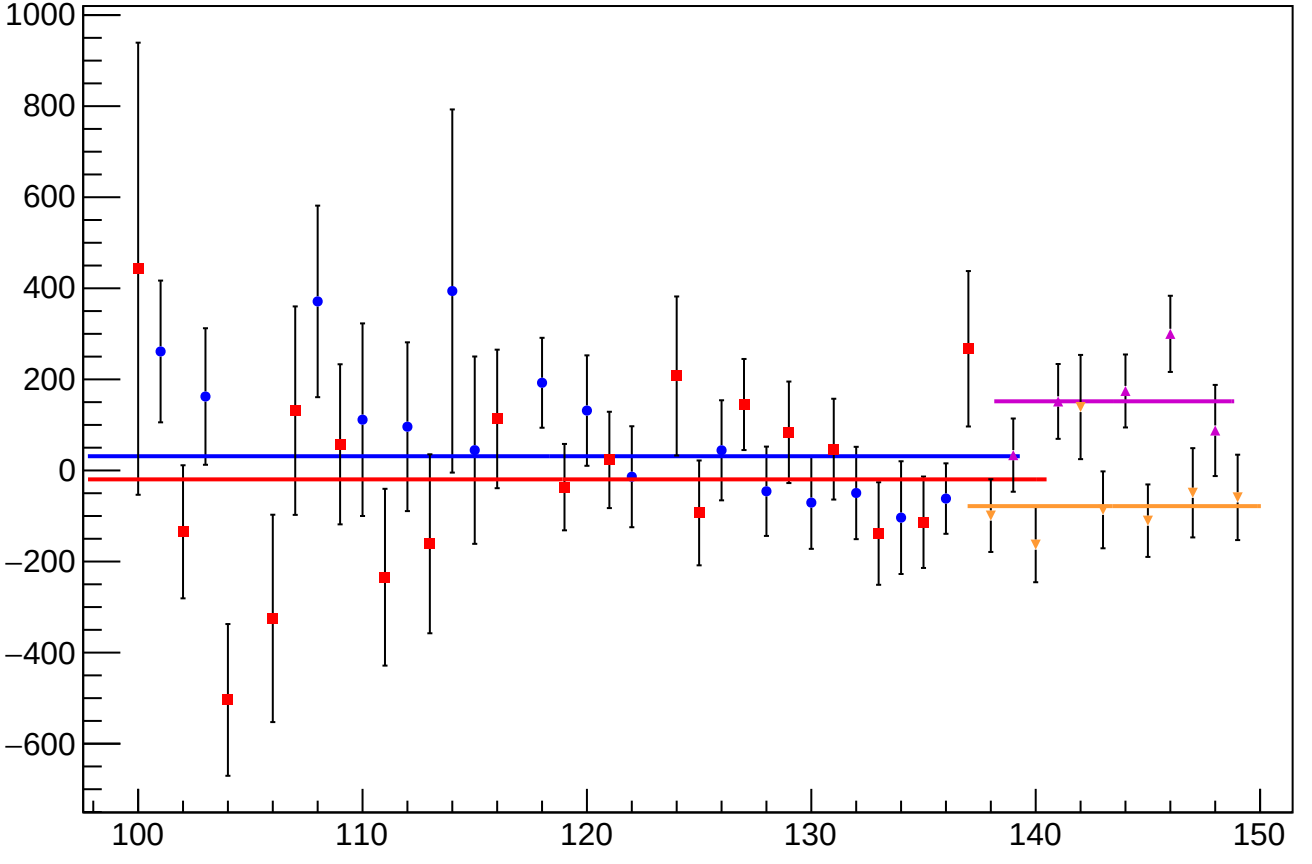
Left In: 0.007+/-0.000 χ^2/NDF:485493.4/4

+ sign 0.006+/-0.000 χ^2/NDF: 2093949.9/22

All: 0.006+/-0.000 χ^2/NDF: 4547207.6/46

- 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: -78.336+/-33.410 χ^2/NDF:5.0/6

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

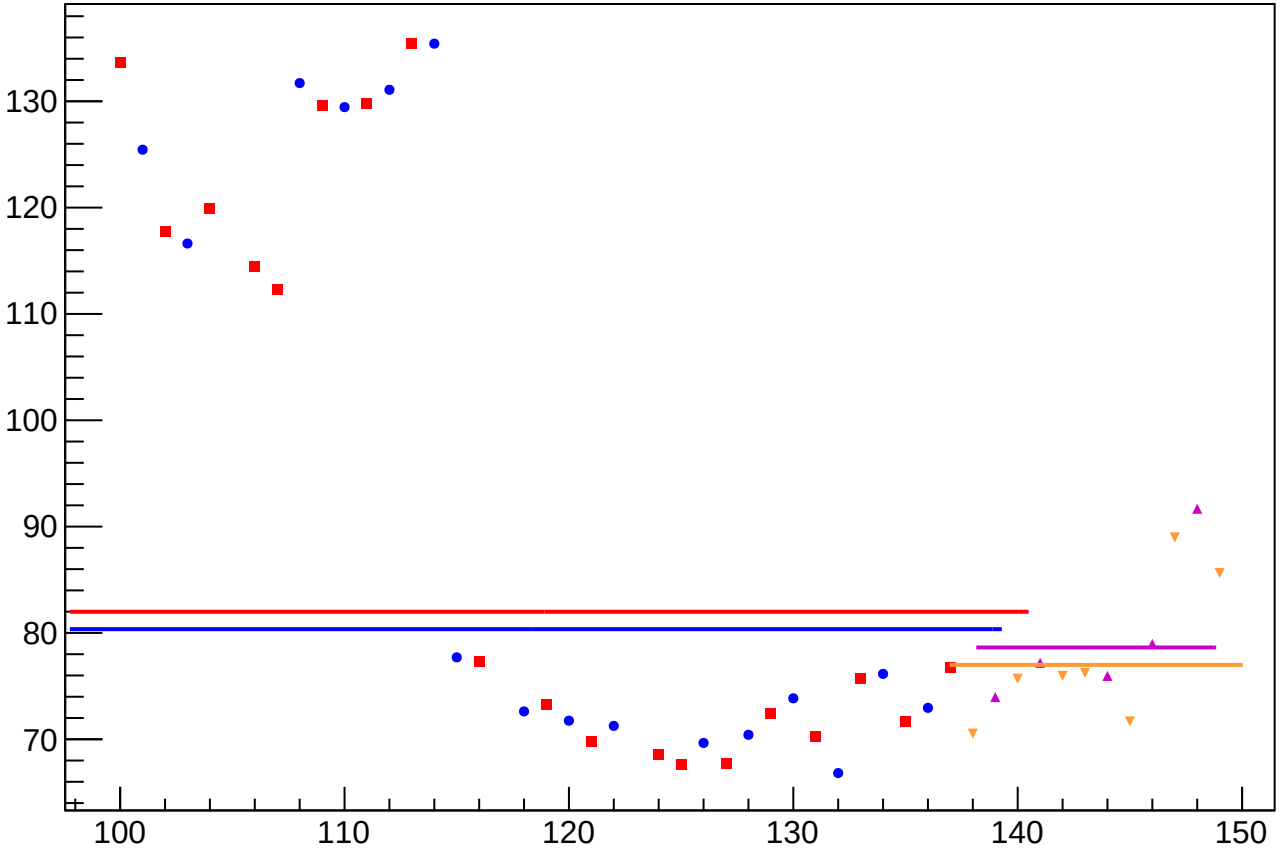
Left In: 151.849+/-37.762 χ^2/NDF:5.8/4

\+ sign -19.072+/-22.640 χ^2/NDF: 25.9/22

All: 13.279+/-16.465 χ^2/NDF: 74.2/46

\- 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: 76.997+/-0.024 χ^2/NDF:69757.3/6

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

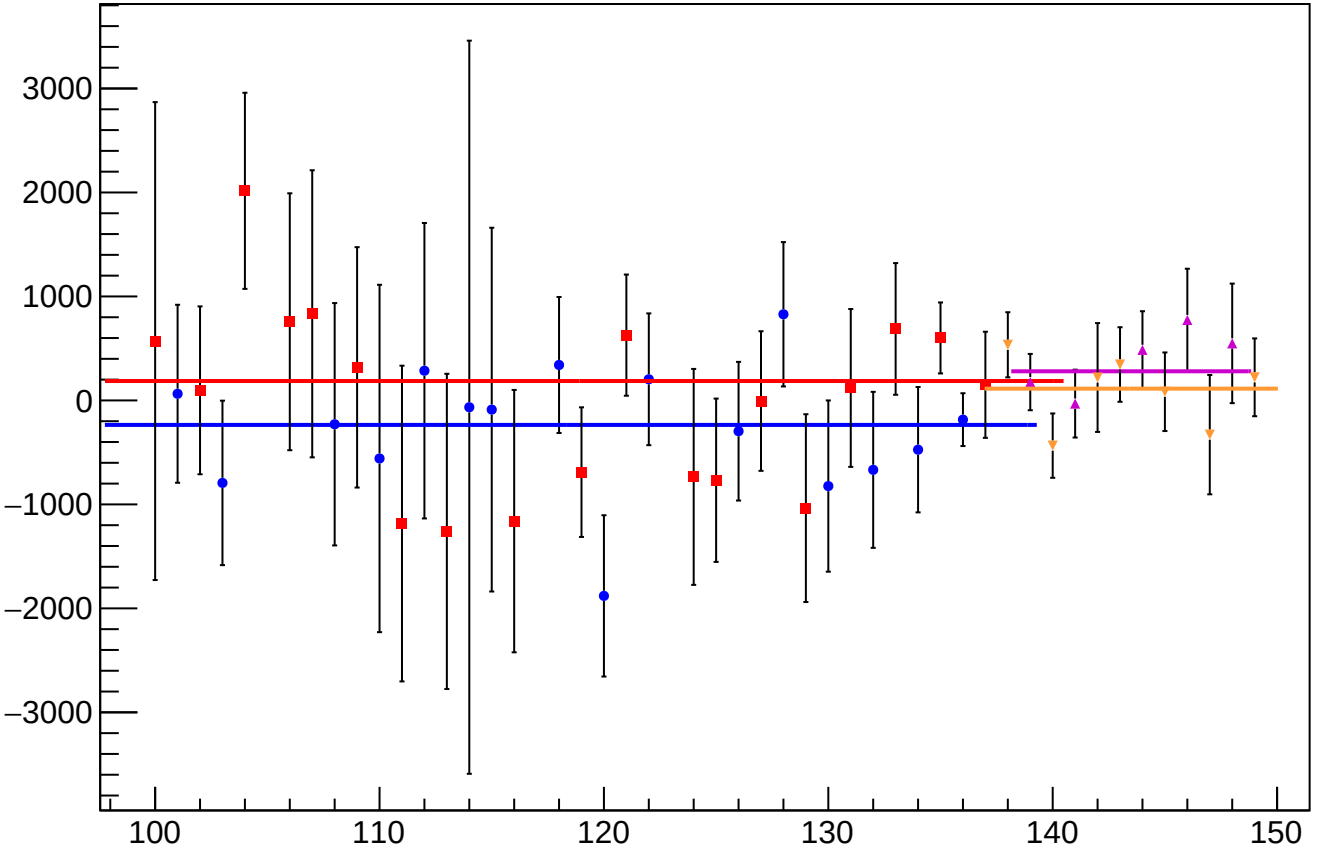
Left In: 78.633+/-0.027 χ^2/NDF:43614.1/4

+ sign 78.812+/-0.016 χ^2/NDF: 920716.9/22

All: 79.672+/-0.012 χ^2/NDF: 1912233.7/46

- 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: 113.236+/-142.504 χ^2/NDF:6.1/6

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

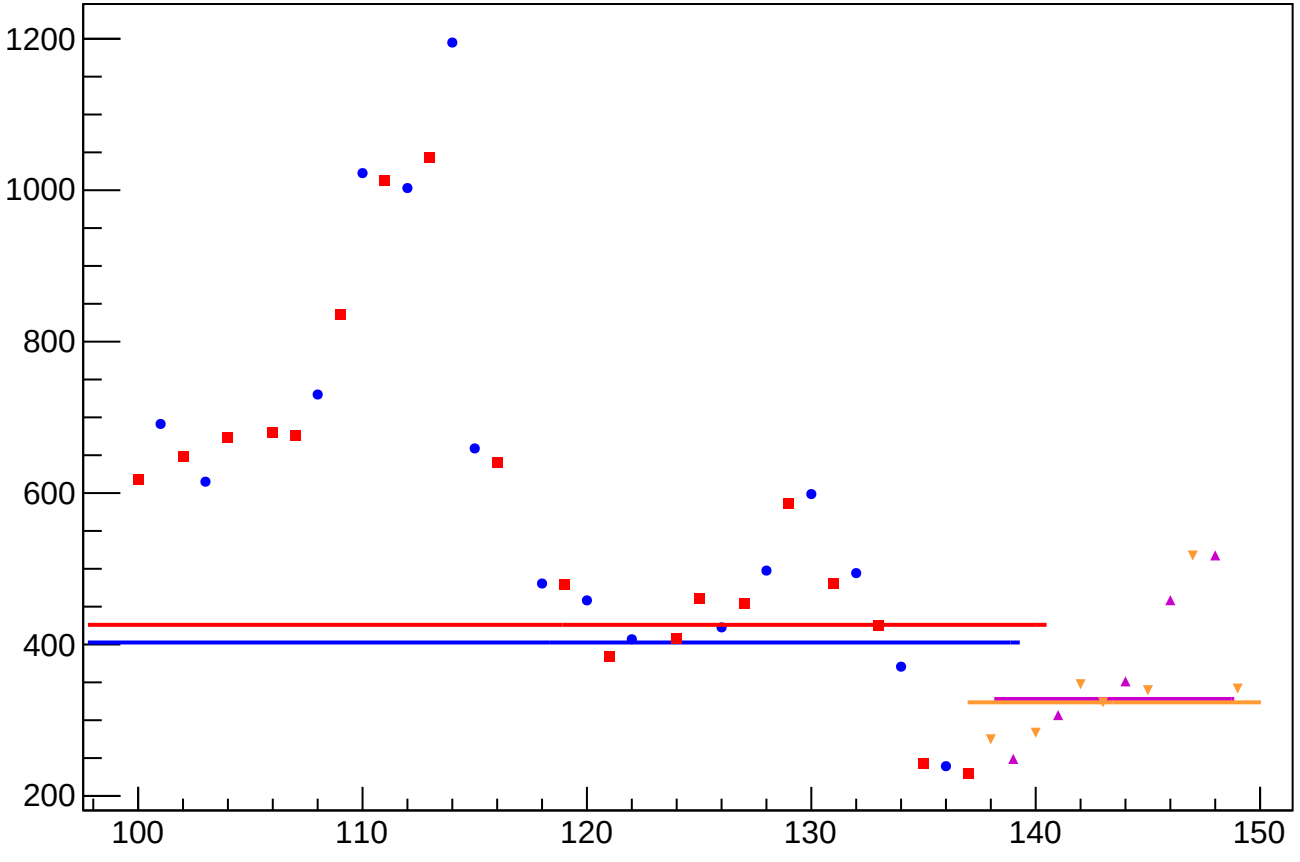
Left In: 280.244+/-163.490 χ^2/NDF:2.6/4

\+ sign -37.048+/-107.502 χ^2/NDF: 18.6/22

All: 86.539+/-79.459 χ^2/NDF: 40.2/46

\- 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: 323.606+/-0.101 χ^2/NDF:322868.8/6

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

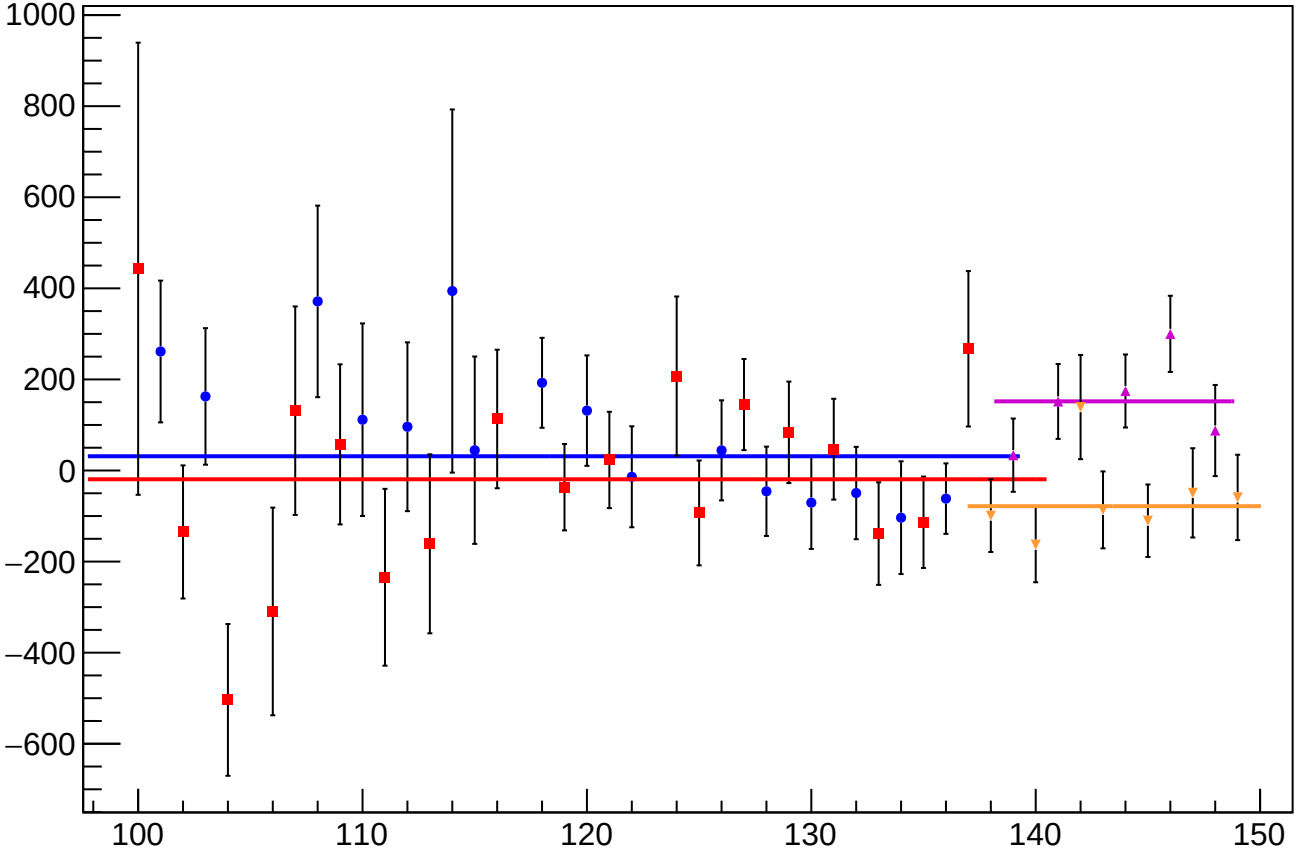
Left In: 328.068+/-0.116 χ^2/NDF:545092.1/4

+ sign 357.671+/-0.076 χ^2/NDF: 2948167.1/22

All: 365.533+/-0.056 χ^2/NDF: 6229467.1/46

- 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: -78.337+/-33.410 χ^2/NDF:5.0/6

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

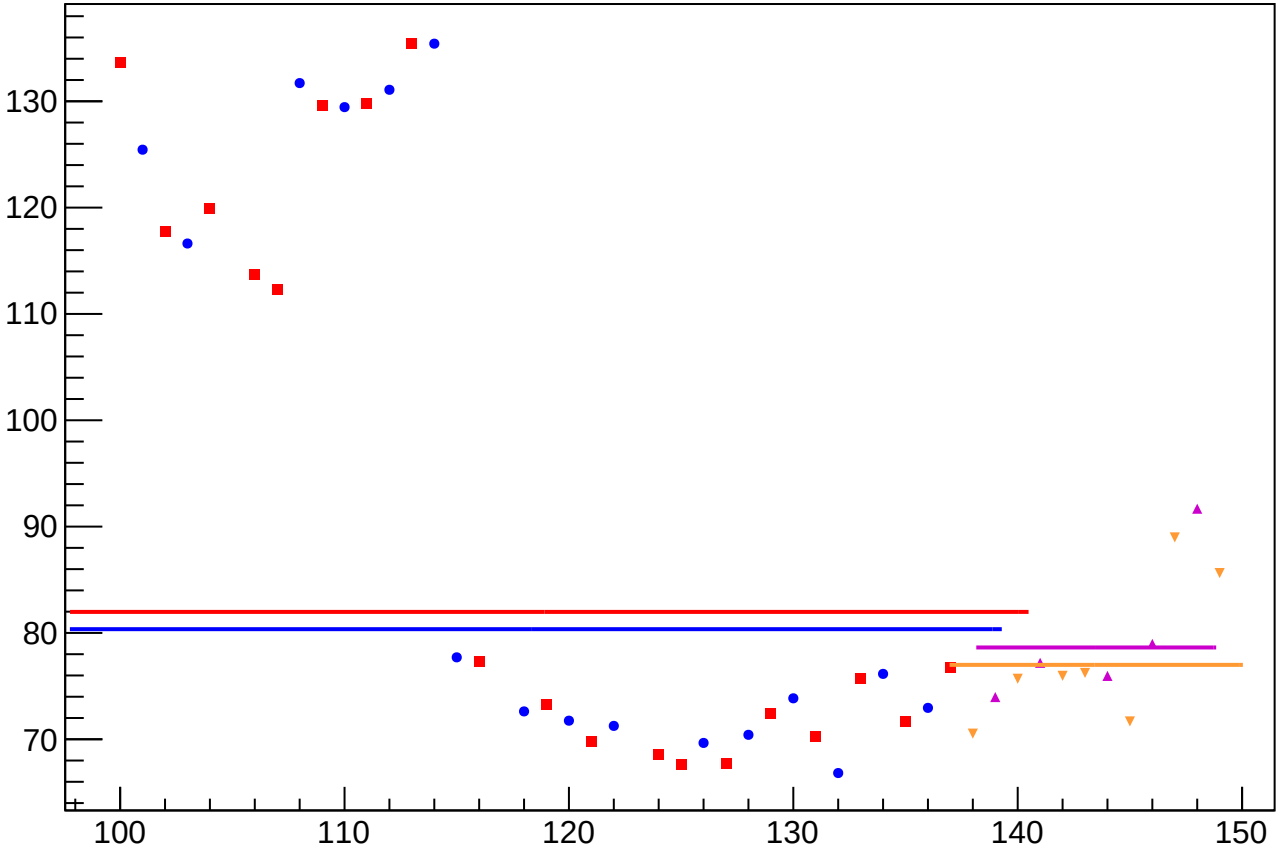
Left In: 151.848+/-37.762 χ^2/NDF:5.8/4

+ sign -19.067+/-22.640 χ^2/NDF: 25.9/22

All: 13.365+/-16.465 χ^2/NDF: 74.0/46

- 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: 76.997+/-0.024 χ^2/NDF:69757.3/6

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

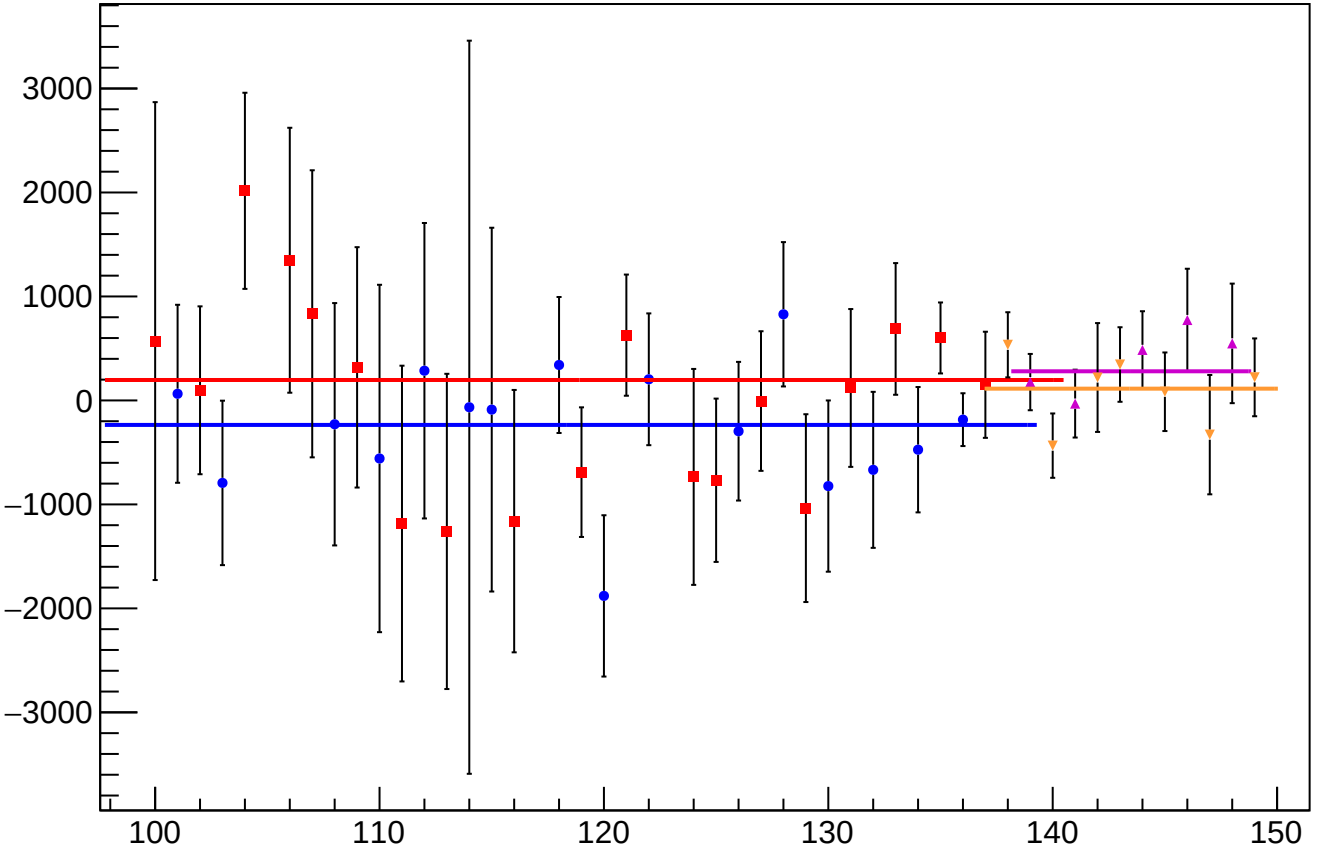
Left In: 78.633+/-0.027 χ^2/NDF:43614.1/4

+ sign 78.812+/-0.016 χ^2/NDF: 920717.1/22

All: 79.668+/-0.012 χ^2/NDF: 1910217.6/46

- 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: 113.235+/-142.504 χ^2/NDF:6.1/6

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

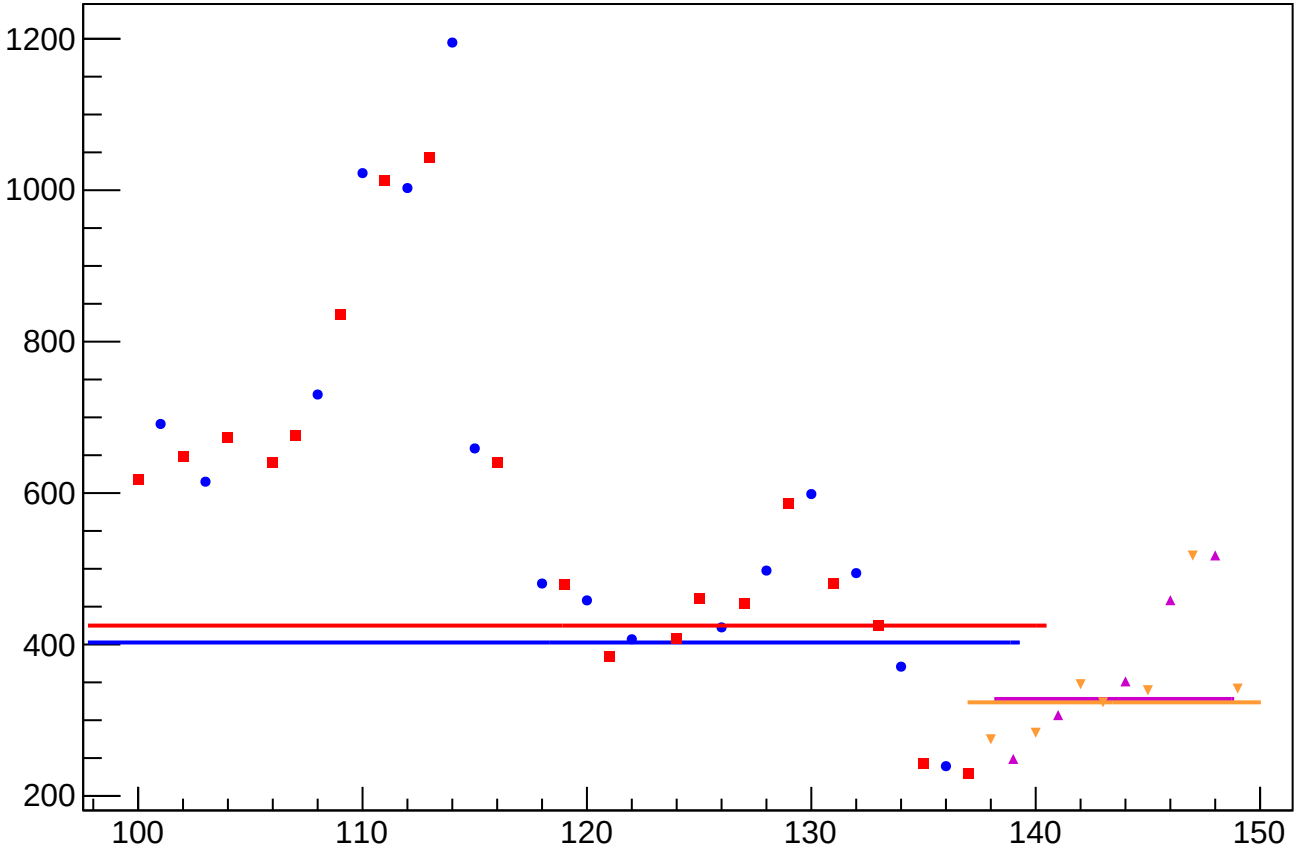
Left In: 280.242+/-163.490 χ^2/NDF:2.6/4

+ sign -37.048+/-107.502 χ^2/NDF: 18.6/22

All: 88.677+/-79.469 χ^2/NDF: 40.9/46

- 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: 323.606+/-0.101 χ^2/NDF:322872.7/6

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

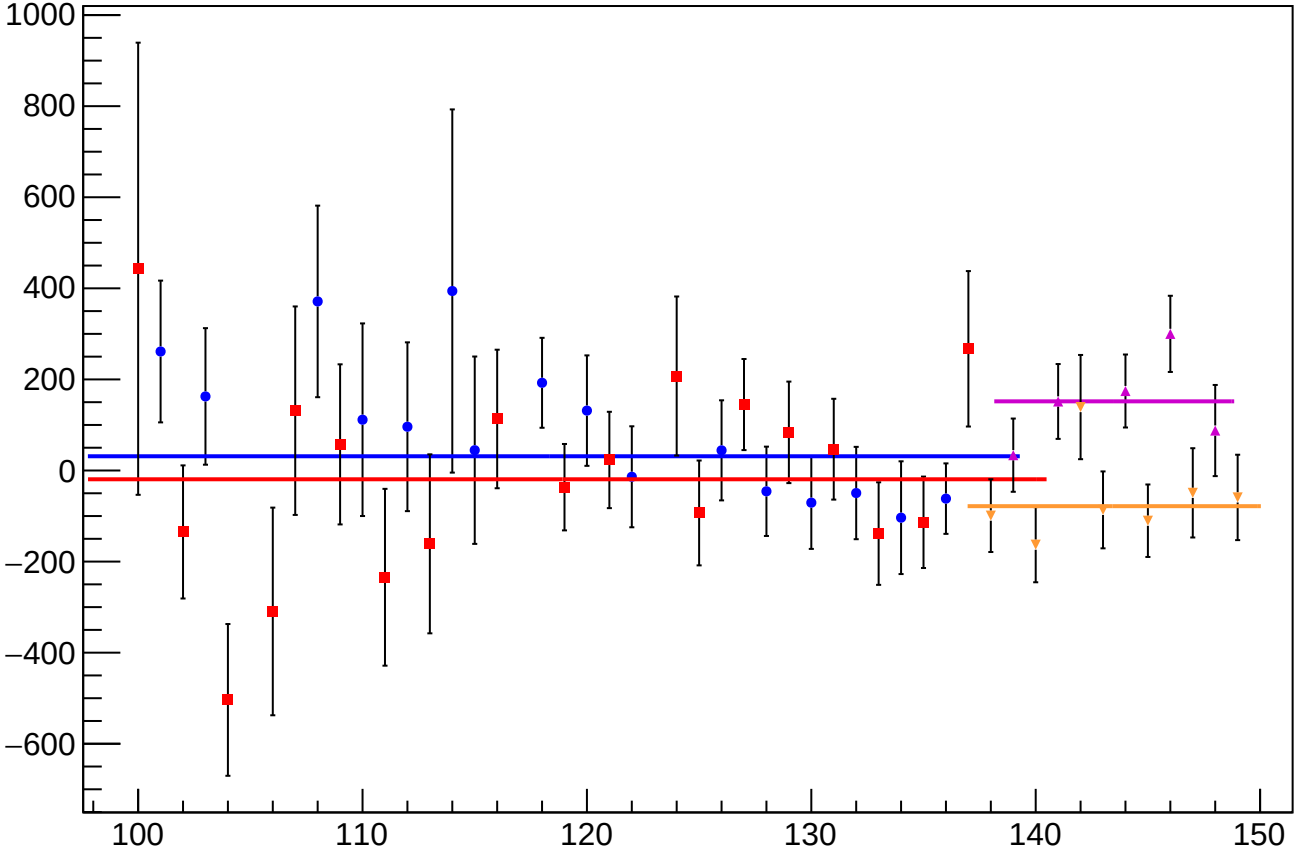
Left In: 328.068+/-0.116 χ^2/NDF:545092.5/4

+ sign 357.671+/-0.076 χ^2/NDF: 2948169.2/22

All: 365.302+/-0.056 χ^2/NDF: 6193216.7/46

- 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: -78.337+/-33.410 χ^2/NDF:5.0/6

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

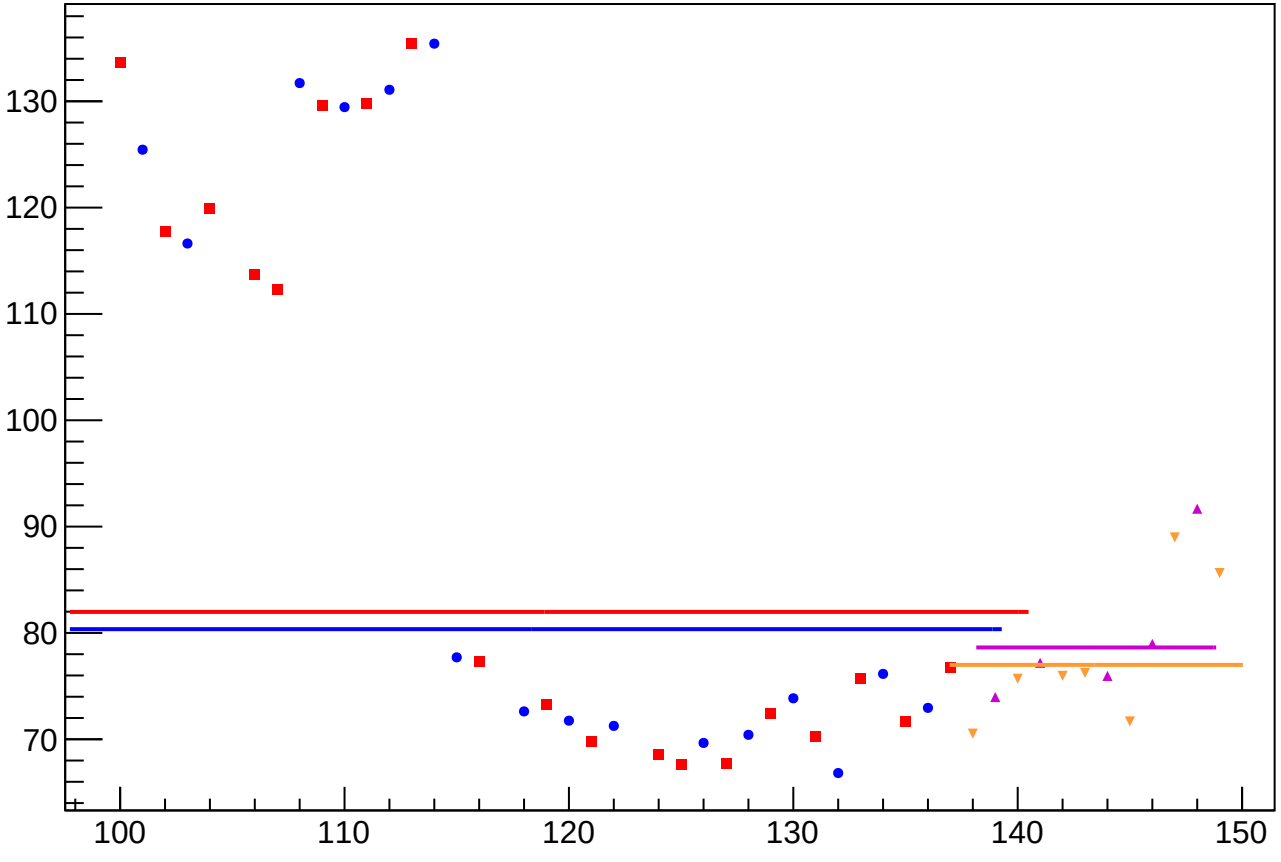
Left In: 151.848+/-37.762 χ^2/NDF:5.8/4

+ sign -19.067+/-22.640 χ^2/NDF: 25.9/22

All: 13.365+/-16.465 χ^2/NDF: 74.0/46

- 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: 76.997+/-0.024 χ^2/NDF:69757.3/6

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

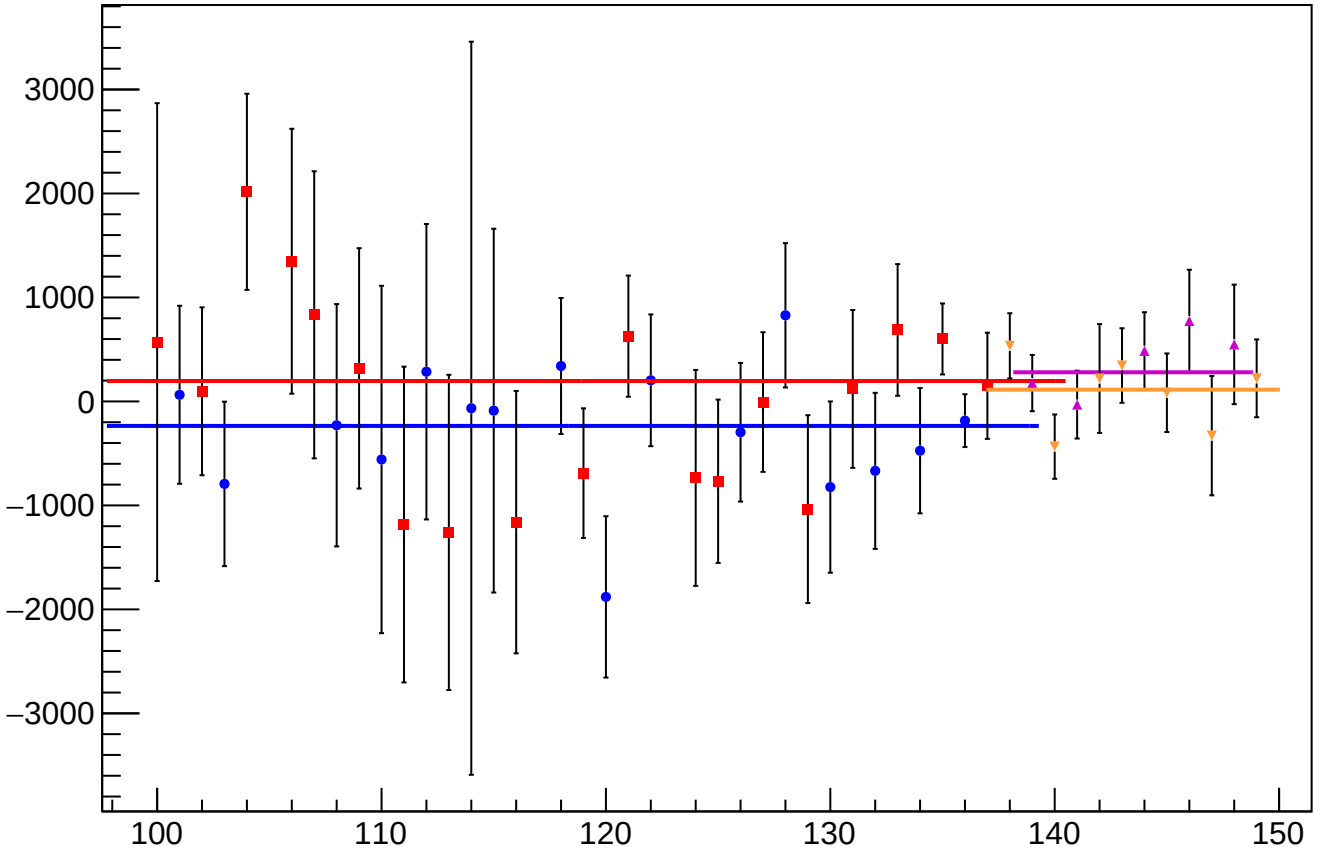
Left In: 78.633+/-0.027 χ^2/NDF:43614.1/4

+ sign 78.812+/-0.016 χ^2/NDF: 920717.1/22

All: 79.668+/-0.012 χ^2/NDF: 1910217.6/46

- sign 80.628+/-0.017 χ^2/NDF: 983439.3/23

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 113.235+/-142.504 χ^2/NDF:6.1/6

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

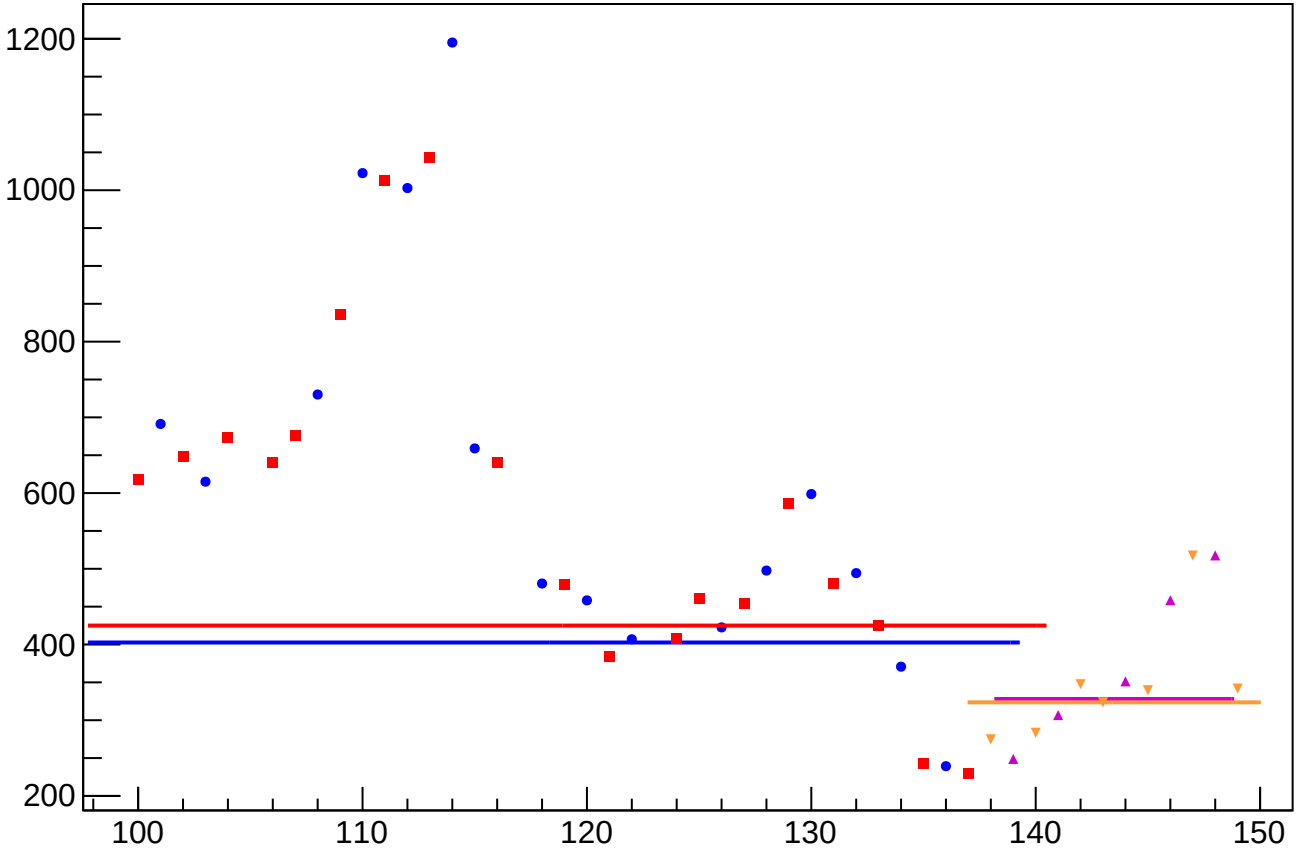
Left In: 280.242+/-163.490 χ^2/NDF:2.6/4

+ sign -37.048+/-107.502 χ^2/NDF: 18.6/22

All: 88.677+/-79.469 χ^2/NDF: 40.9/46

- 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: 323.606+/-0.101 χ^2/NDF:322872.7/6

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

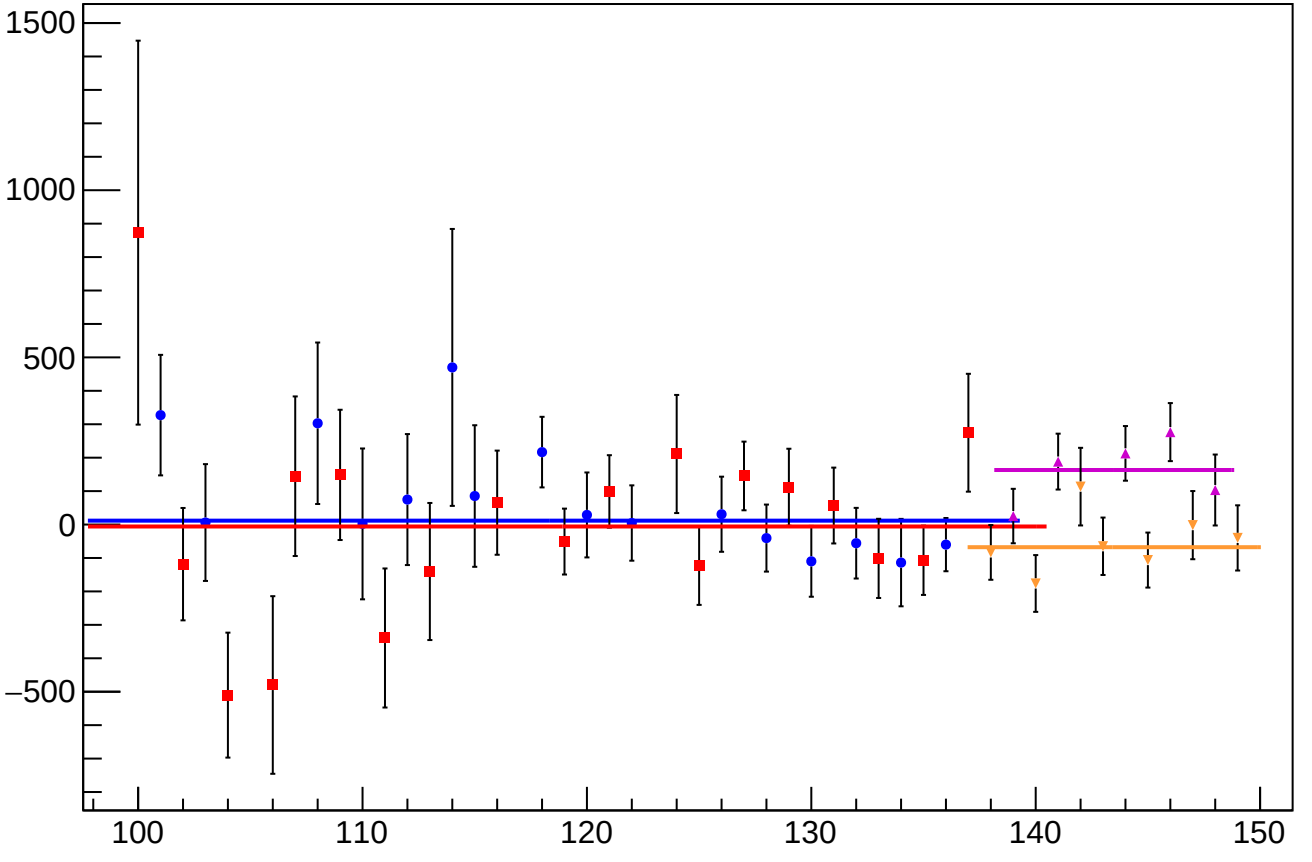
Left In: 328.068+/-0.116 χ^2/NDF:545092.5/4

+ sign 357.671+/-0.076 χ^2/NDF: 2948169.2/22

All: 365.302+/-0.056 χ^2/NDF: 6193216.7/46

- 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: -67.726+/-34.360 χ^2/NDF:4.8/6

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

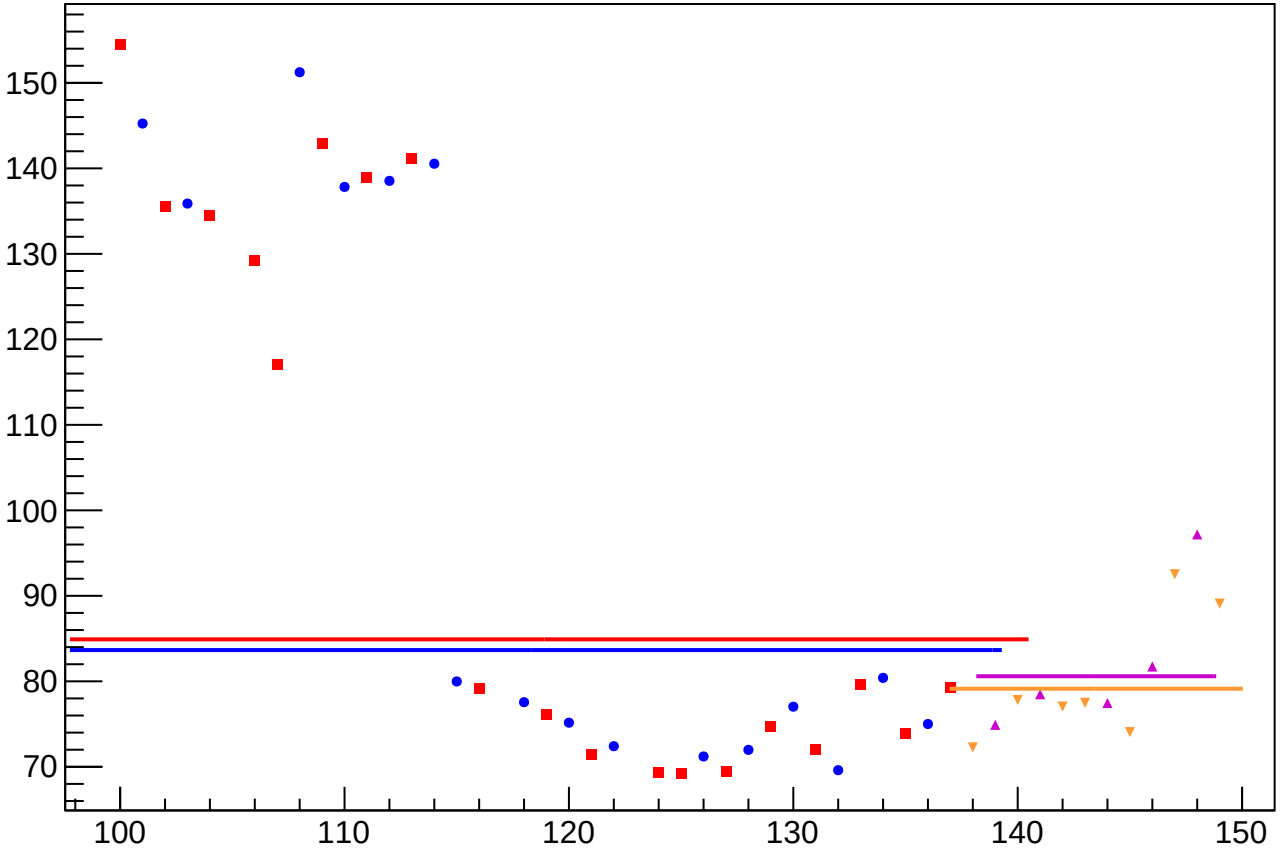
Left In: 163.152+/-38.772 χ^2/NDF:5.3/4

+ sign -25.583+/-23.533 χ^2/NDF: 21.2/22

All: 16.607+/-17.097 χ^2/NDF: 73.3/46

- 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: 79.135+/-0.024 χ^2/NDF:78910.1/6

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

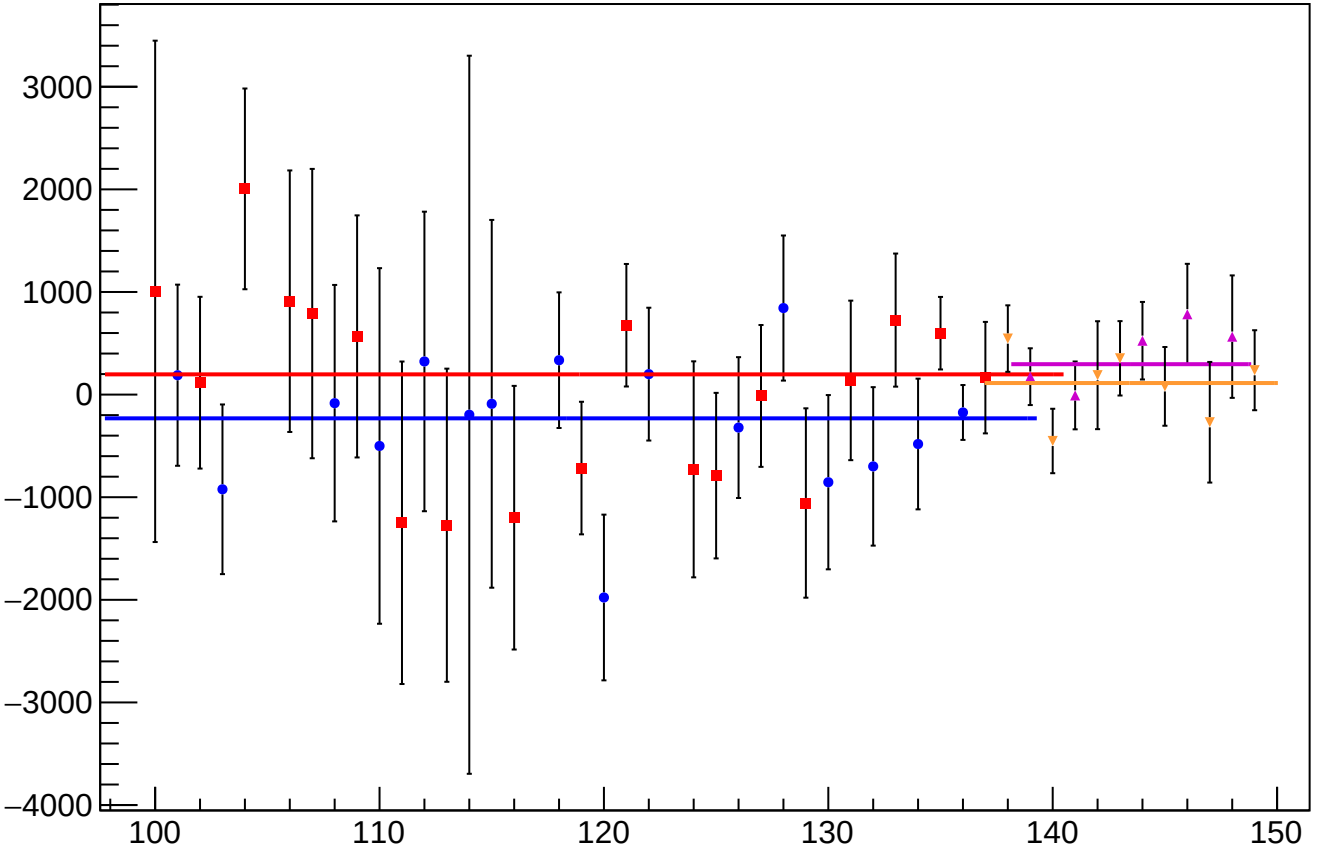
Left In: 80.594+/-0.027 χ^2/NDF:63187.9/4

+ sign 81.536+/-0.017 χ^2/NDF: 1132093.4/22

All: 82.291+/-0.012 χ^2/NDF: 2335901.6/46

- 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: 112.714+/-145.609 χ^2/NDF:6.0/6

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

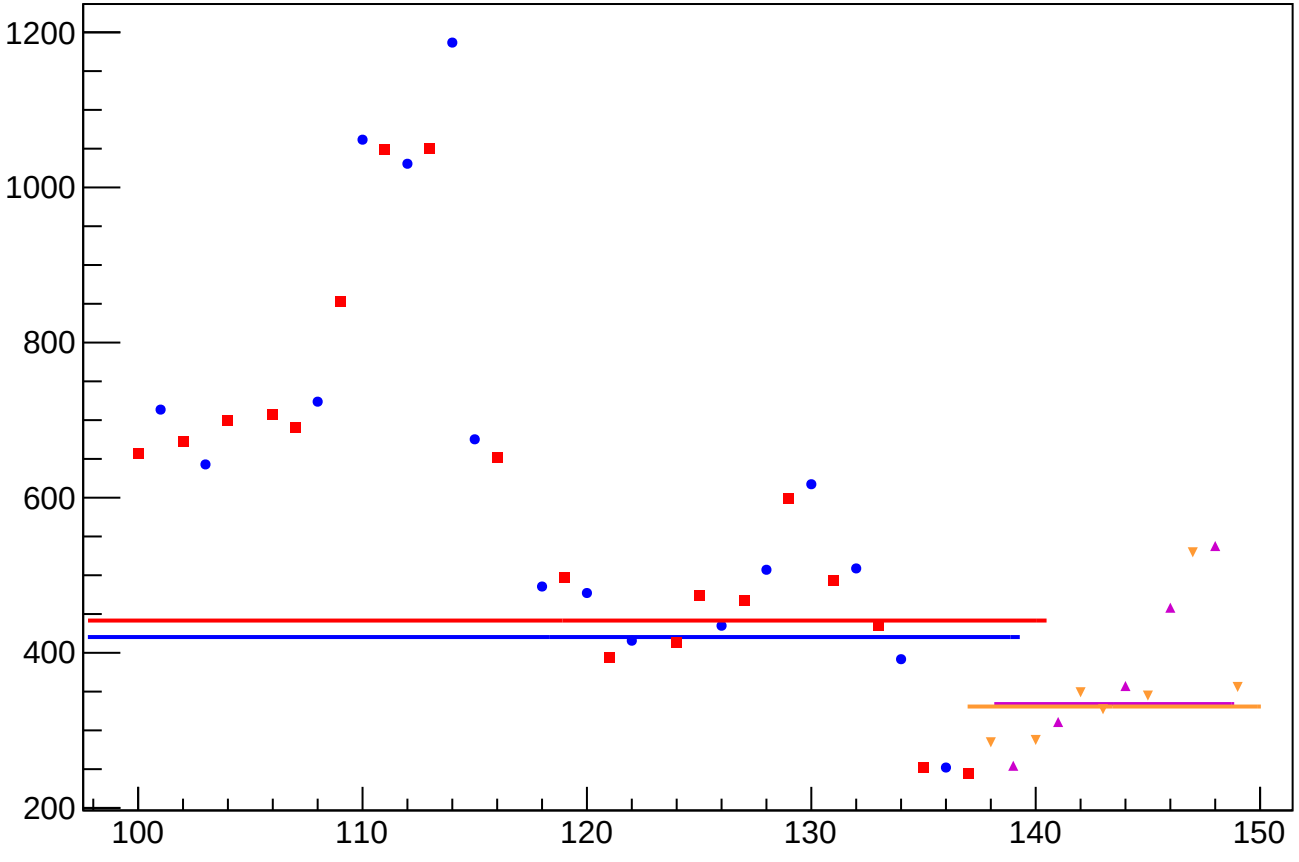
Left In: 296.369+/-166.266 χ^2/NDF:2.6/4

\+ sign -32.779+/-110.625 χ^2/NDF: 18.8/22

All: 95.926+/-81.612 χ^2/NDF: 40.4/46

\- 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: 330.745+/-0.103 χ^2/NDF:320831.5/6

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

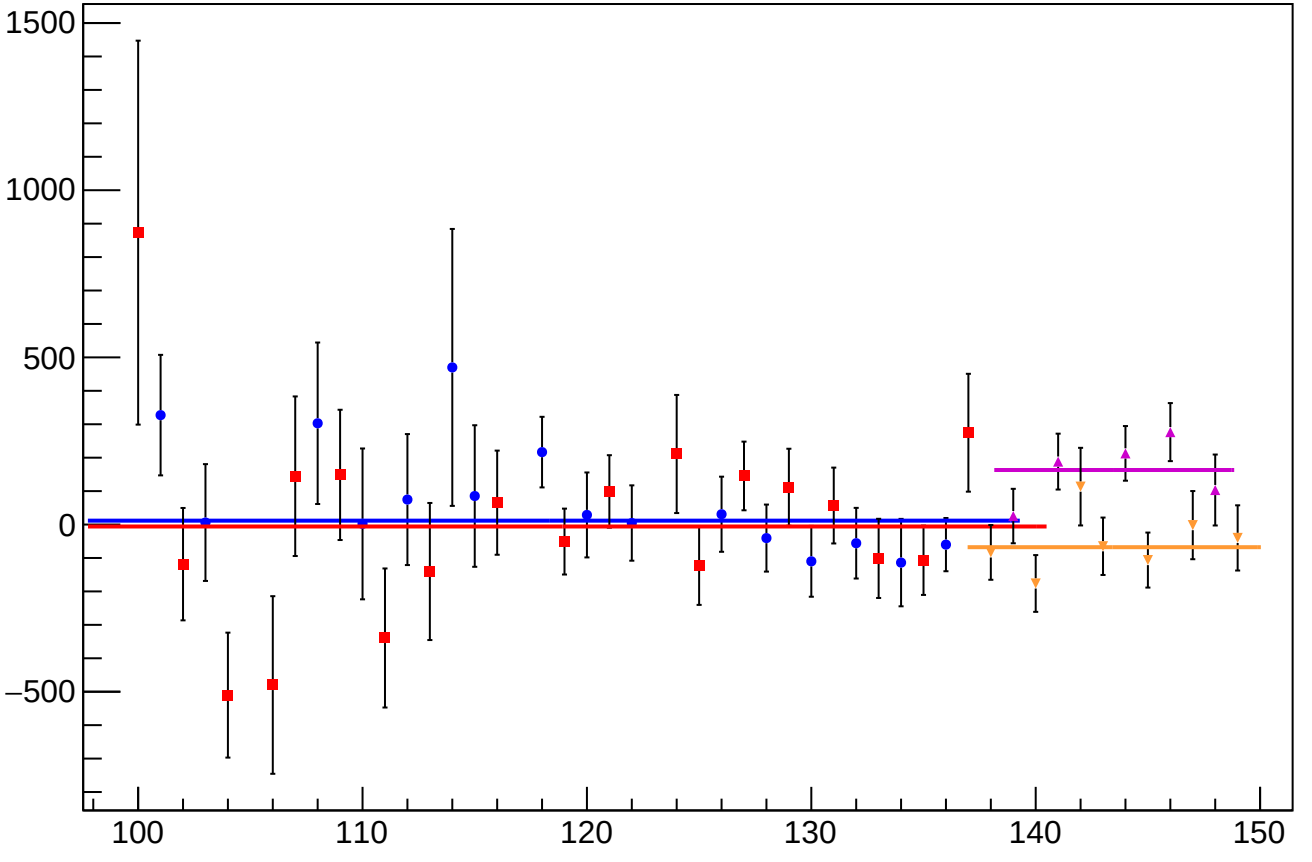
Left In: 333.921+/-0.118 χ^2/NDF:543822.7/4

+ sign 368.621+/-0.078 χ^2/NDF: 2895512.7/22

All: 375.936+/-0.058 χ^2/NDF: 6161467.9/46

- 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: -67.727+/-34.360 χ^2/NDF:4.8/6

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

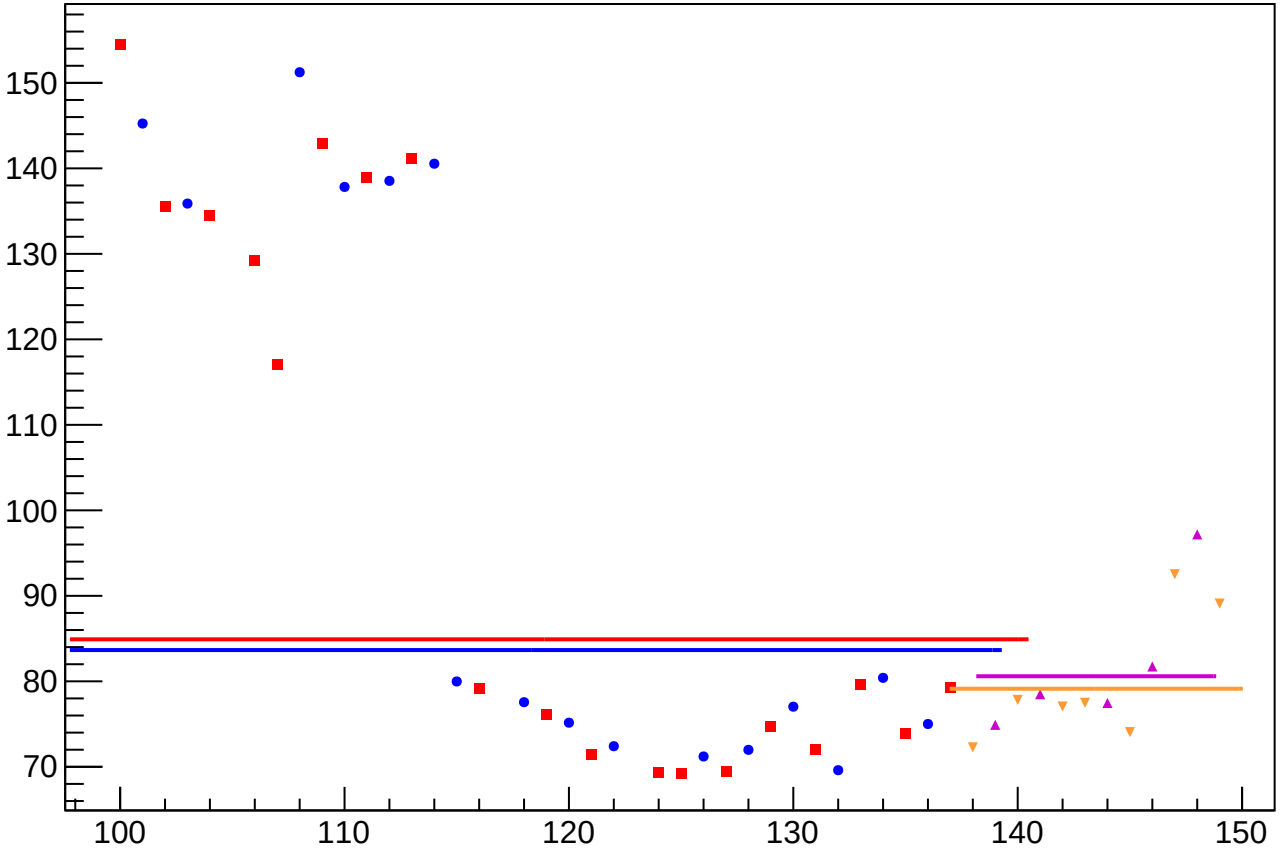
Left In: 163.151+/-38.772 χ^2/NDF:5.3/4

+ sign -25.583+/-23.533 χ^2/NDF: 21.2/22

All: 16.607+/-17.097 χ^2/NDF: 73.3/46

- 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: 79.135+/-0.024 χ^2/NDF:78909.7/6

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

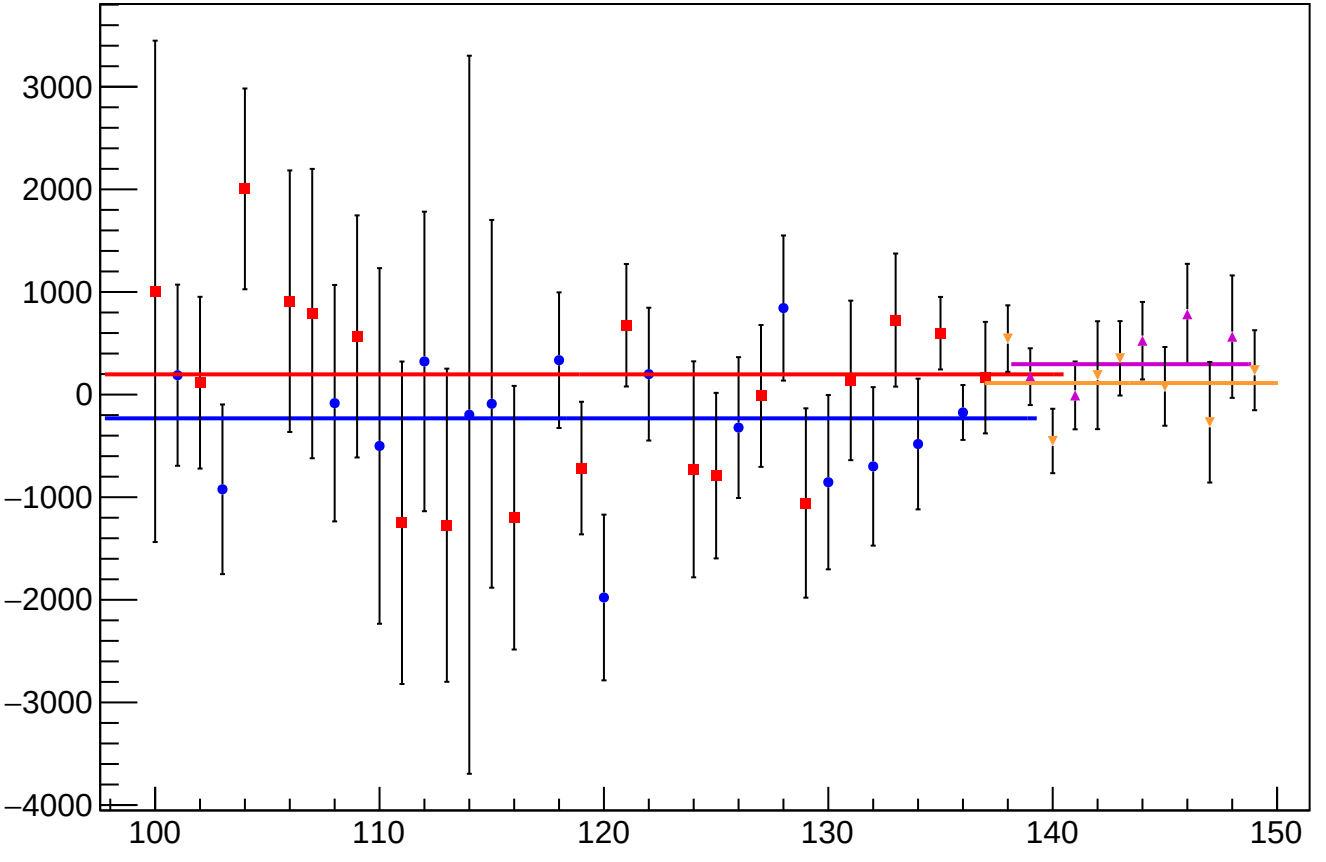
Left In: 80.594+/-0.027 χ^2/NDF:63187.2/4

+ sign 81.536+/-0.017 χ^2/NDF: 1132092.0/22

All: 82.291+/-0.012 χ^2/NDF: 2335898.2/46

- sign 83.134+/-0.018 χ^2/NDF: 1199449.6/23

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 112.713+/-145.609 χ^2/NDF:6.0/6

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

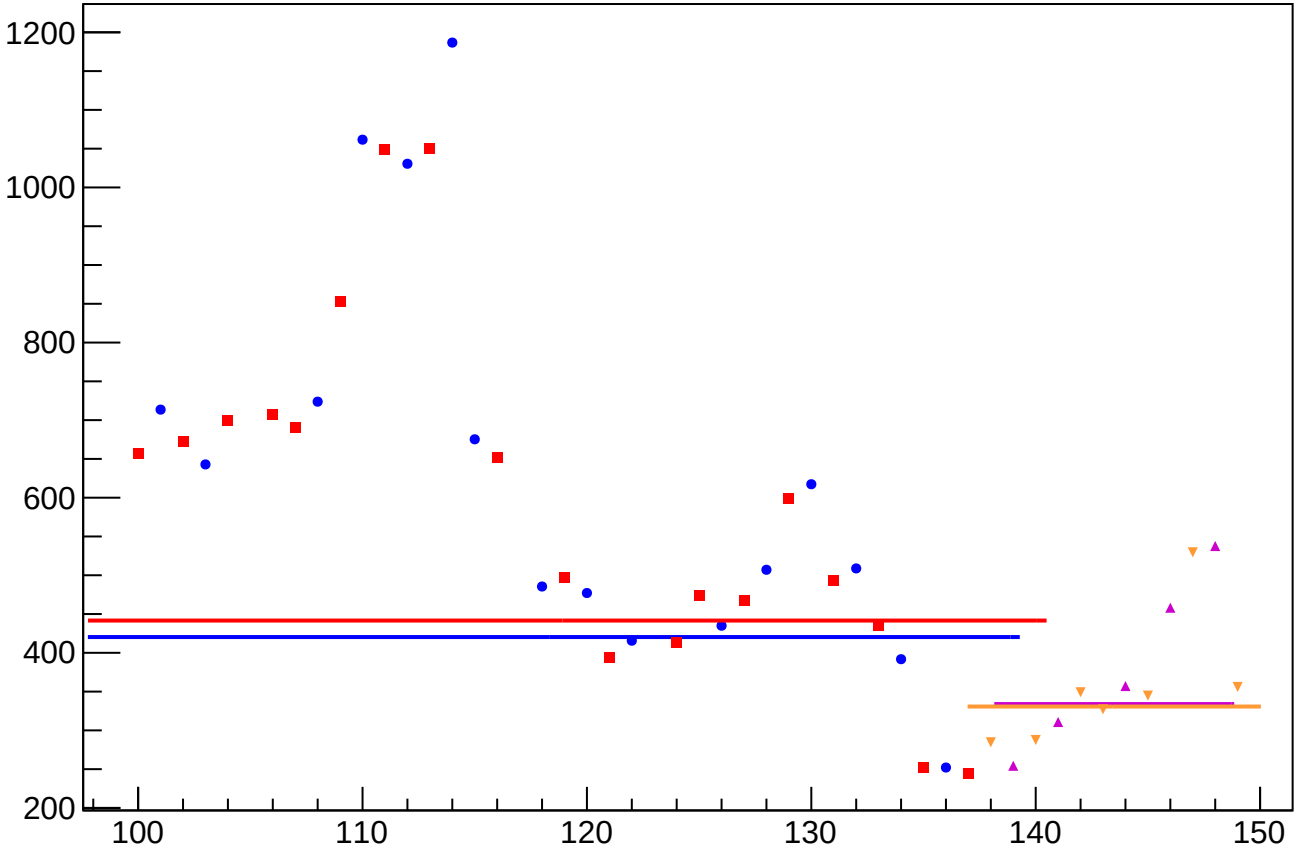
Left In: 296.369+/-166.266 χ^2/NDF:2.6/4

\+ sign -32.779+/-110.625 χ^2/NDF: 18.8/22

All: 95.926+/-81.612 χ^2/NDF: 40.4/46

\- 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: 330.745+/-0.103 χ^2/NDF:320831.3/6

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

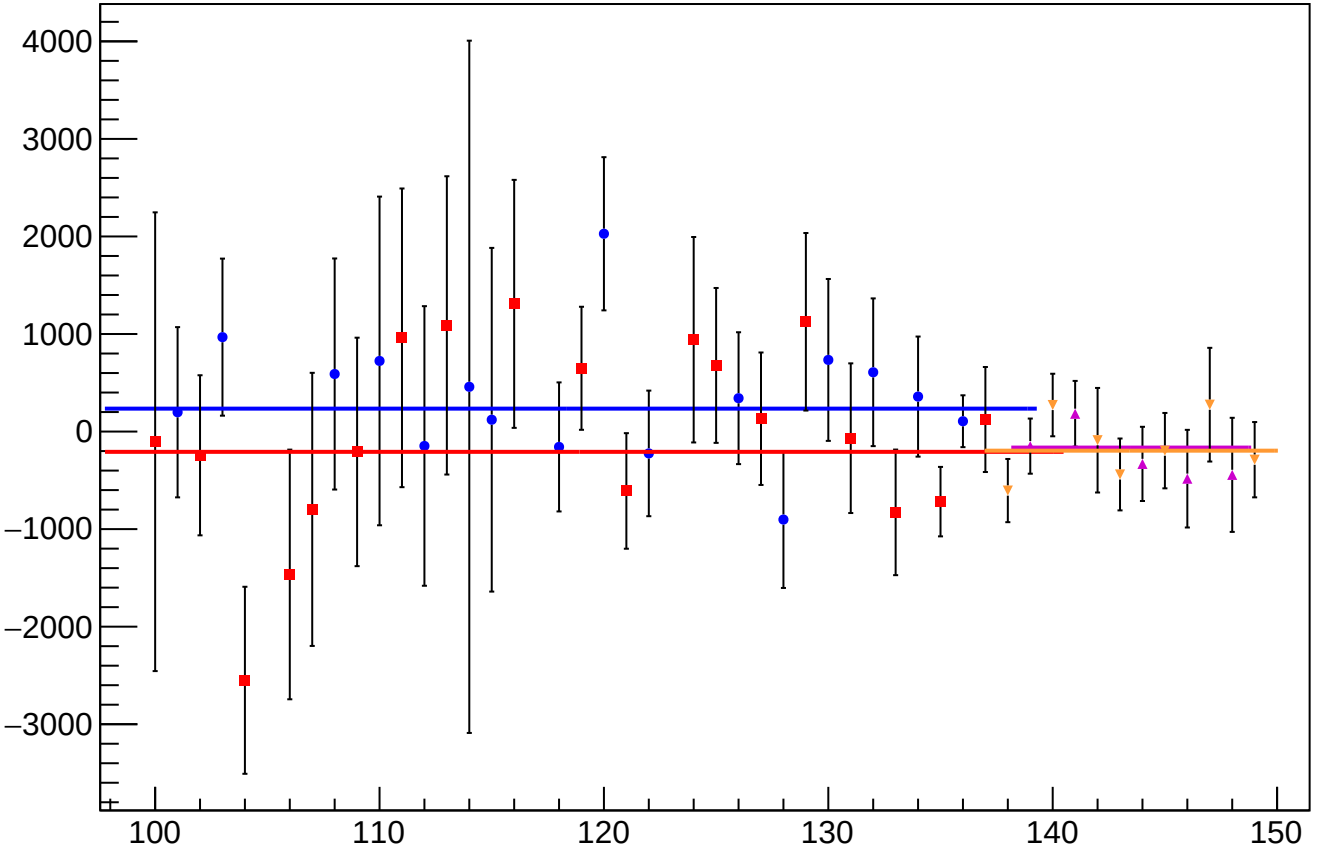
Left In: 333.920+/-0.118 χ^2/NDF:543823.2/4

+ sign 368.620+/-0.078 χ^2/NDF: 2895515.6/22

All: 375.935+/-0.058 χ^2/NDF: 6161475.0/46

- 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: -195.820+/-146.704 χ^2/NDF:4.9/6

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

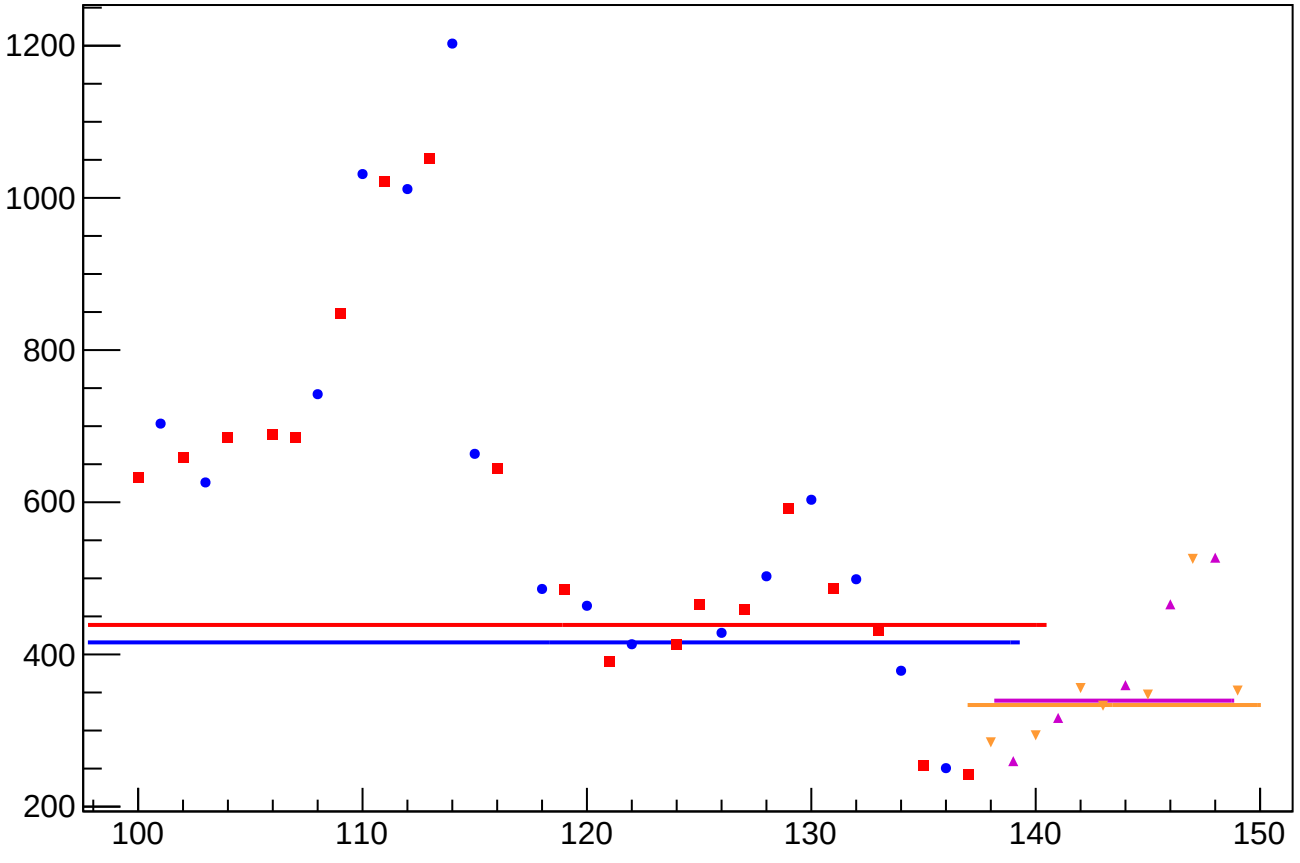
Left In: -164.270+/-168.621 χ^2/NDF:1.9/4

\+ sign -9.658+/-110.559 χ^2/NDF: 19.3/22

All: -89.350+/-81.720 χ^2/NDF: 42.8/46

\- 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: 333.540+/-0.104 χ^2/NDF:304809.5/6

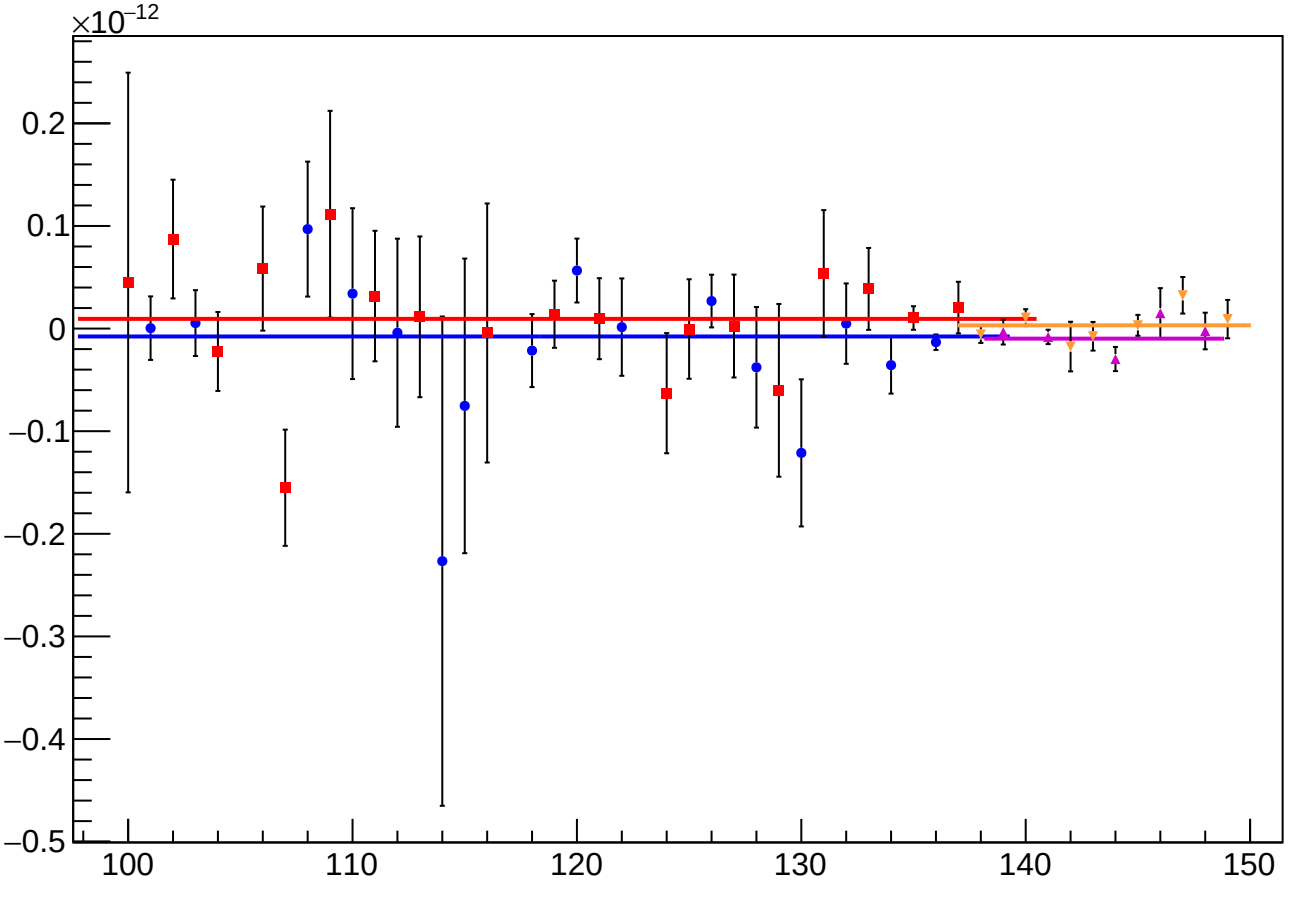
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.301+/-0.119 χ^2/NDF:507501.1/4

+ sign 369.098+/-0.078 χ^2/NDF: 2800704.6/22

All: 377.343+/-0.058 χ^2/NDF: 5903148.3/46

- 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:6.1/6

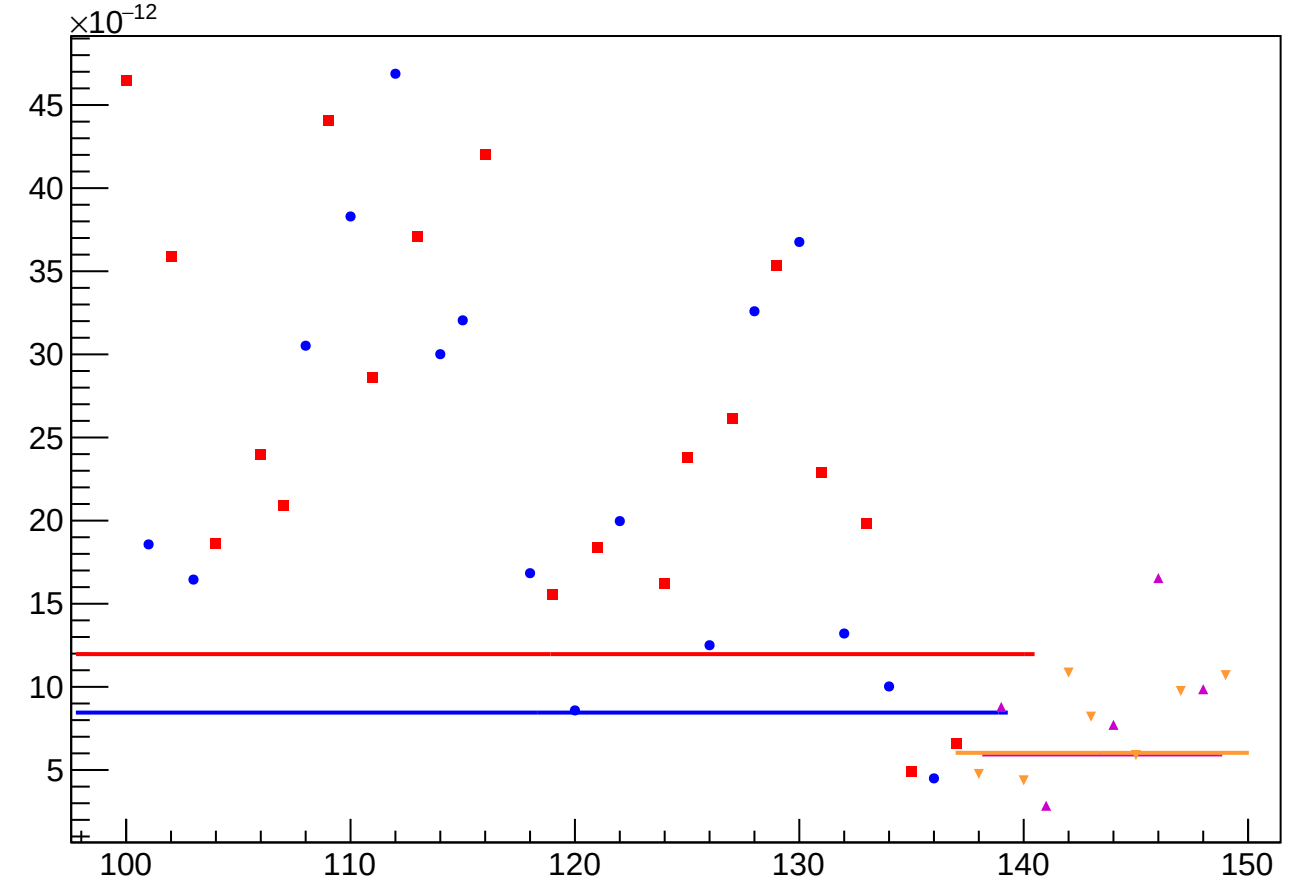
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 22.9/22

All: -0.000+/-0.000 χ^2/NDF: 48.2/46

- sign -0.000+/-0.000 χ^2/NDF: 24.7/23



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:469060.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

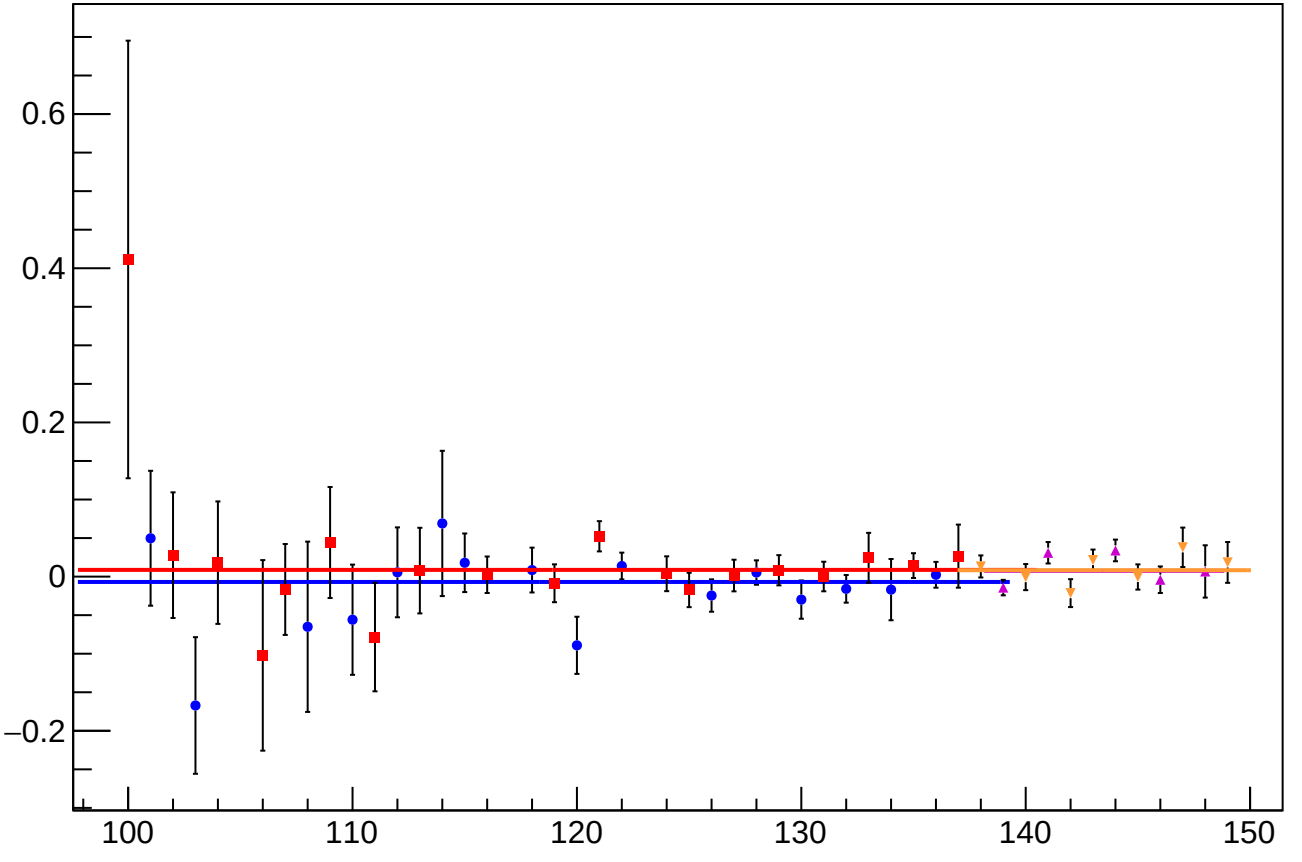
Left In: 0.000+/-0.000 χ^2/NDF:1017916.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 3430115.8/22

All: 0.000+/-0.000 χ^2/NDF: 8037429.6/46

- 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:5.8/6

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

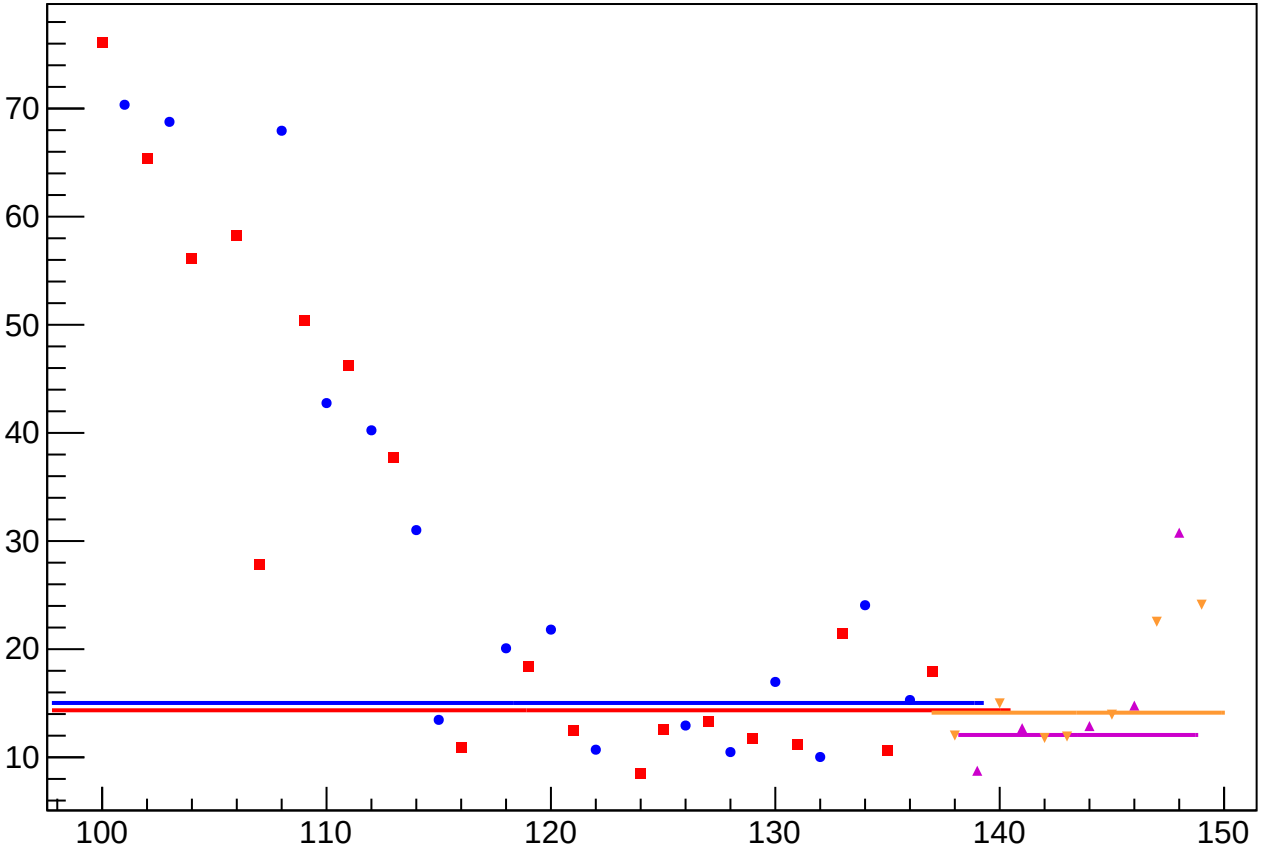
Left In: 0.008+/-0.006 χ^2/NDF:11.5/4

+ sign 0.001+/-0.005 χ^2/NDF: 23.4/22

All: 0.005+/-0.003 χ^2/NDF: 48.8/46

- 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: 14.128+/-0.005 χ^2/NDF:635445.0/6

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

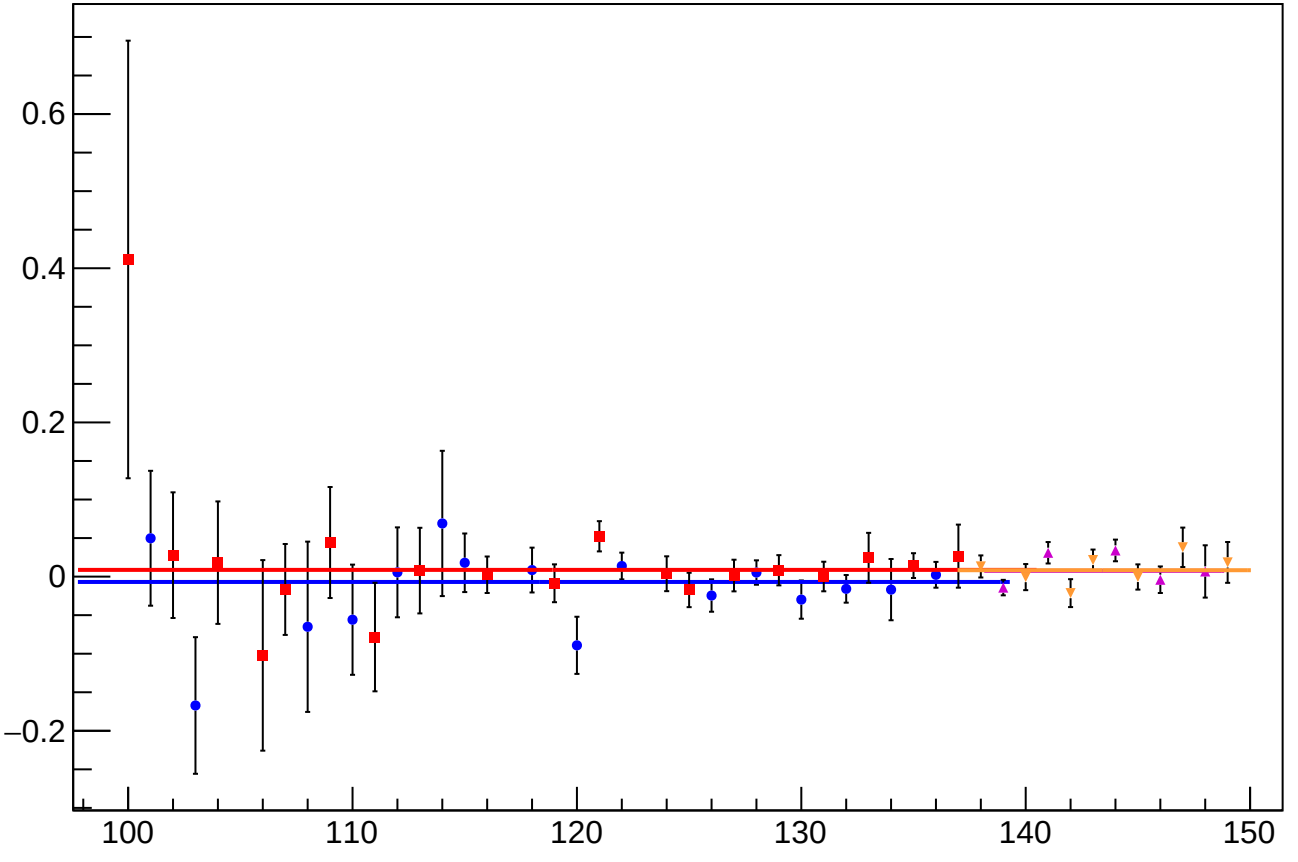
Left In: 12.066+/-0.005 χ^2/NDF:885585.9/4

+ sign 14.562+/-0.003 χ^2/NDF: 4092058.2/22

All: 13.862+/-0.002 χ^2/NDF: 8820398.6/46

- 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:5.8/6

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

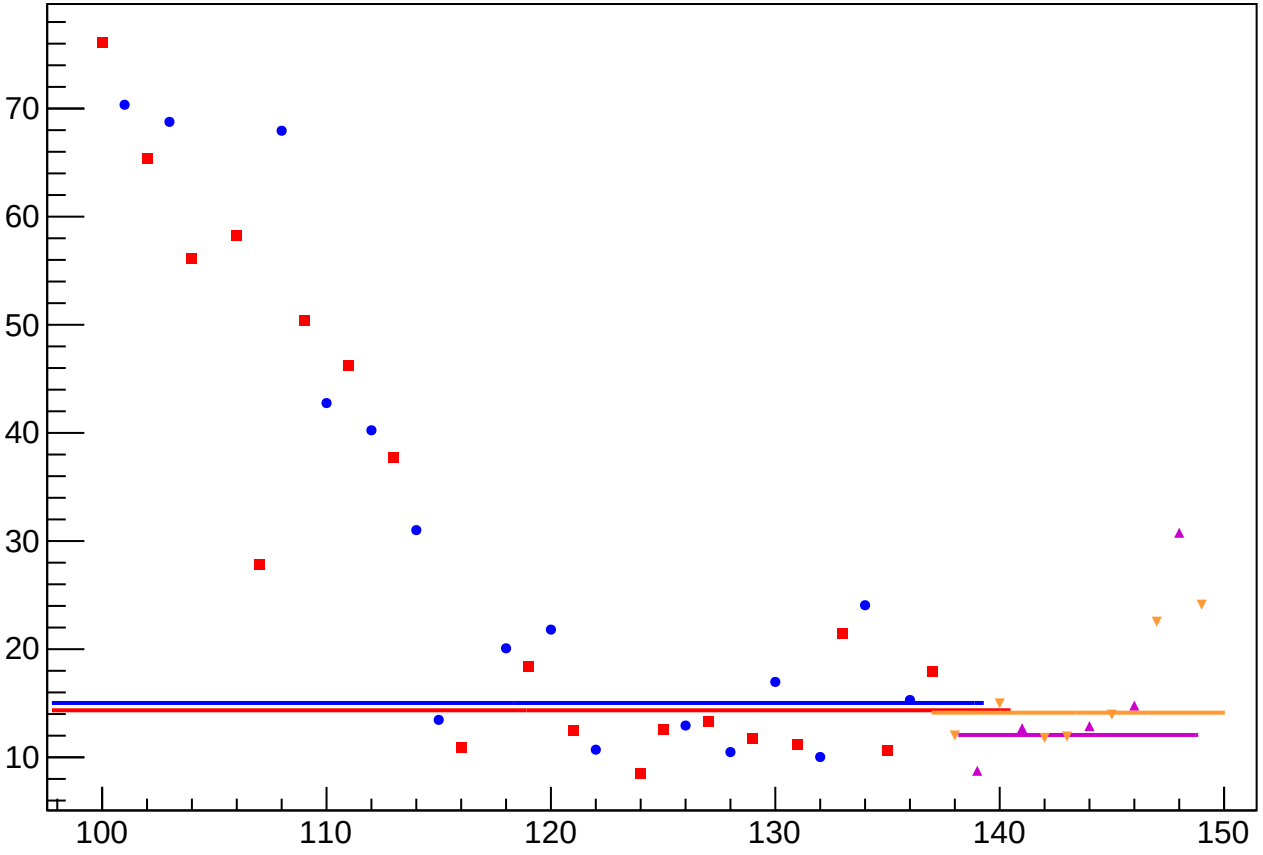
Left In: 0.008+/-0.006 χ^2/NDF:11.5/4

+ sign 0.001+/-0.005 χ^2/NDF: 23.4/22

All: 0.005+/-0.003 χ^2/NDF: 48.8/46

- 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: 14.128+/-0.005 χ^2/NDF:635445.0/6

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

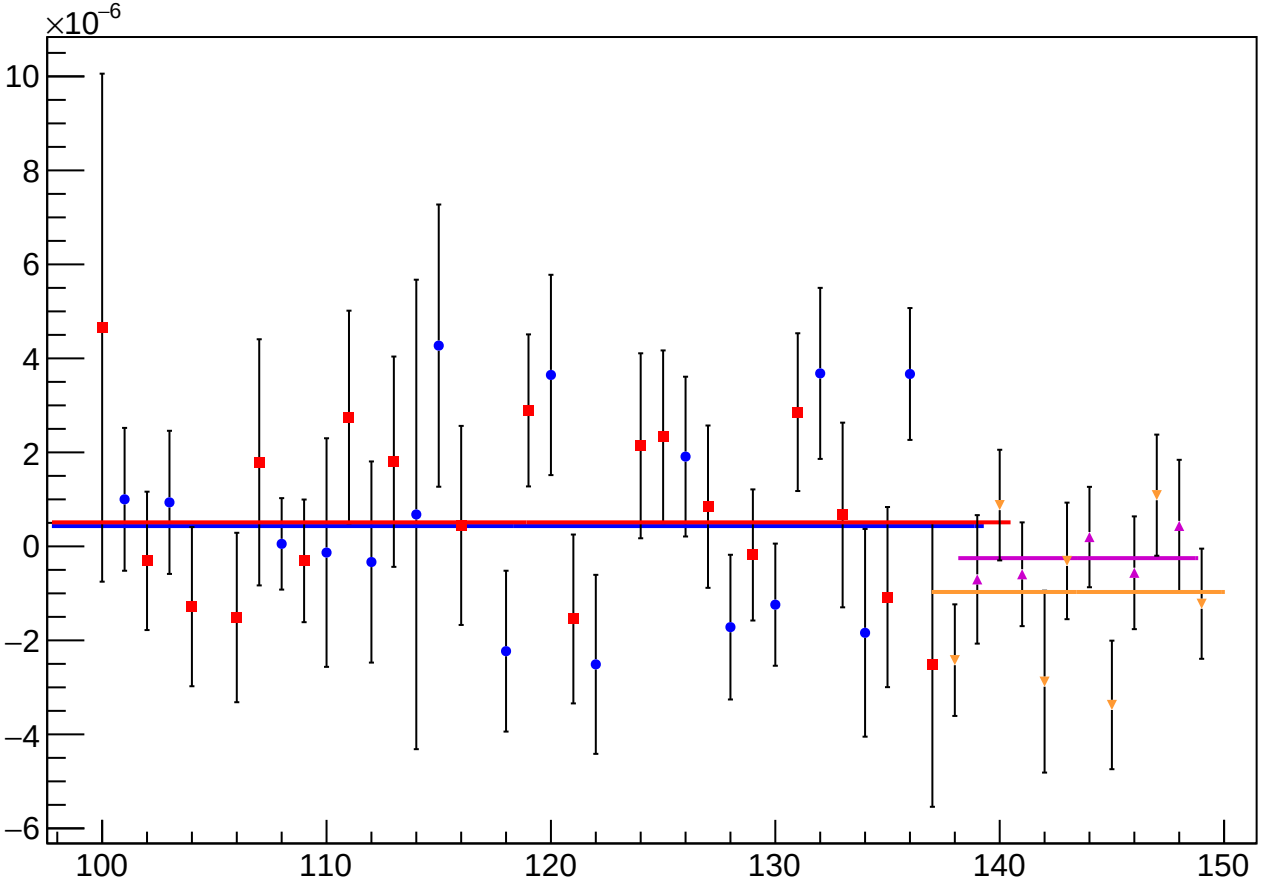
Left In: 12.066+/-0.005 χ^2/NDF:885585.9/4

+ sign 14.562+/-0.003 χ^2/NDF: 4092058.2/22

All: 13.862+/-0.002 χ^2/NDF: 8820398.6/46

- sign 13.210+/-0.003 χ^2/NDF: 4642020.9/23

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/6

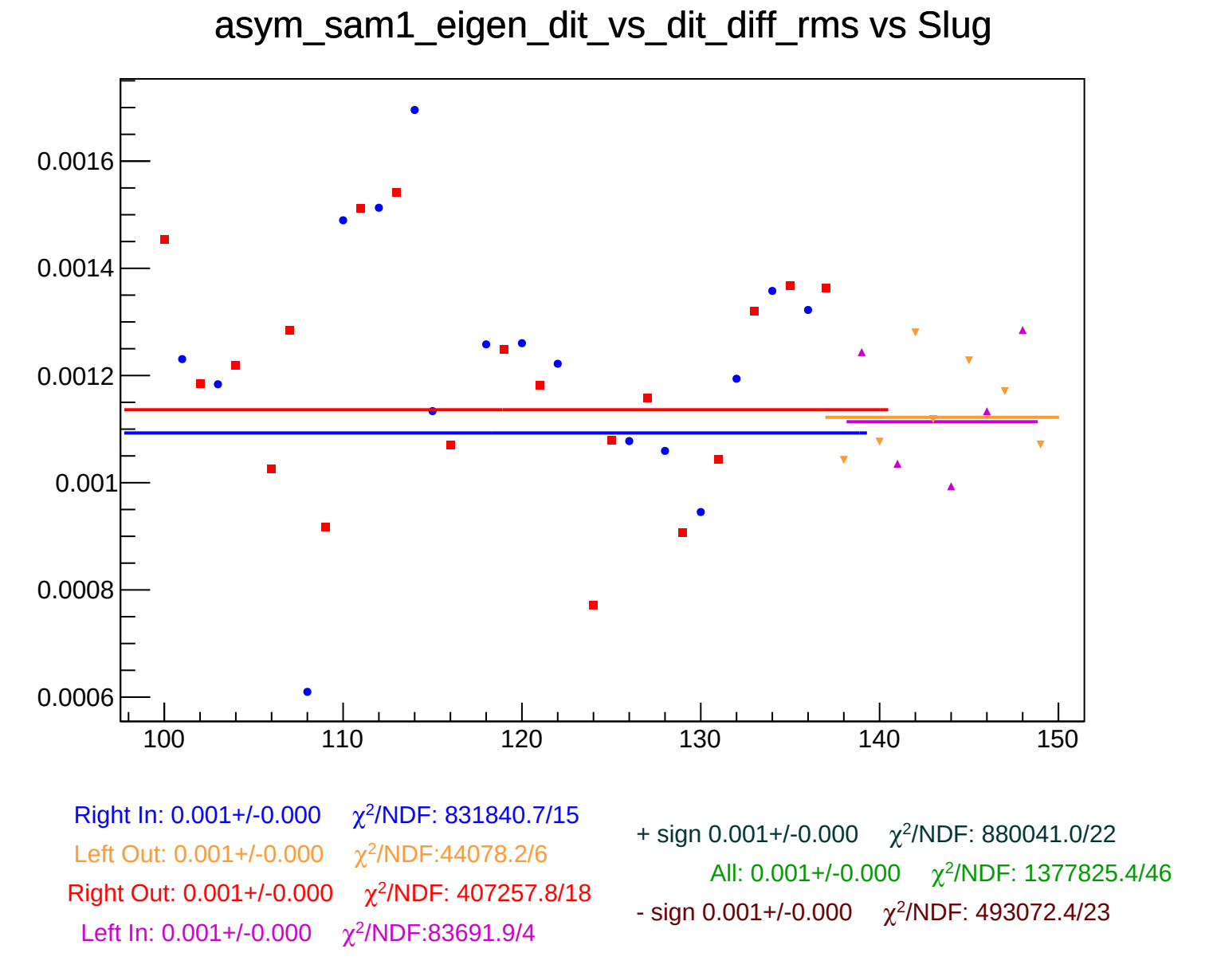
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/4

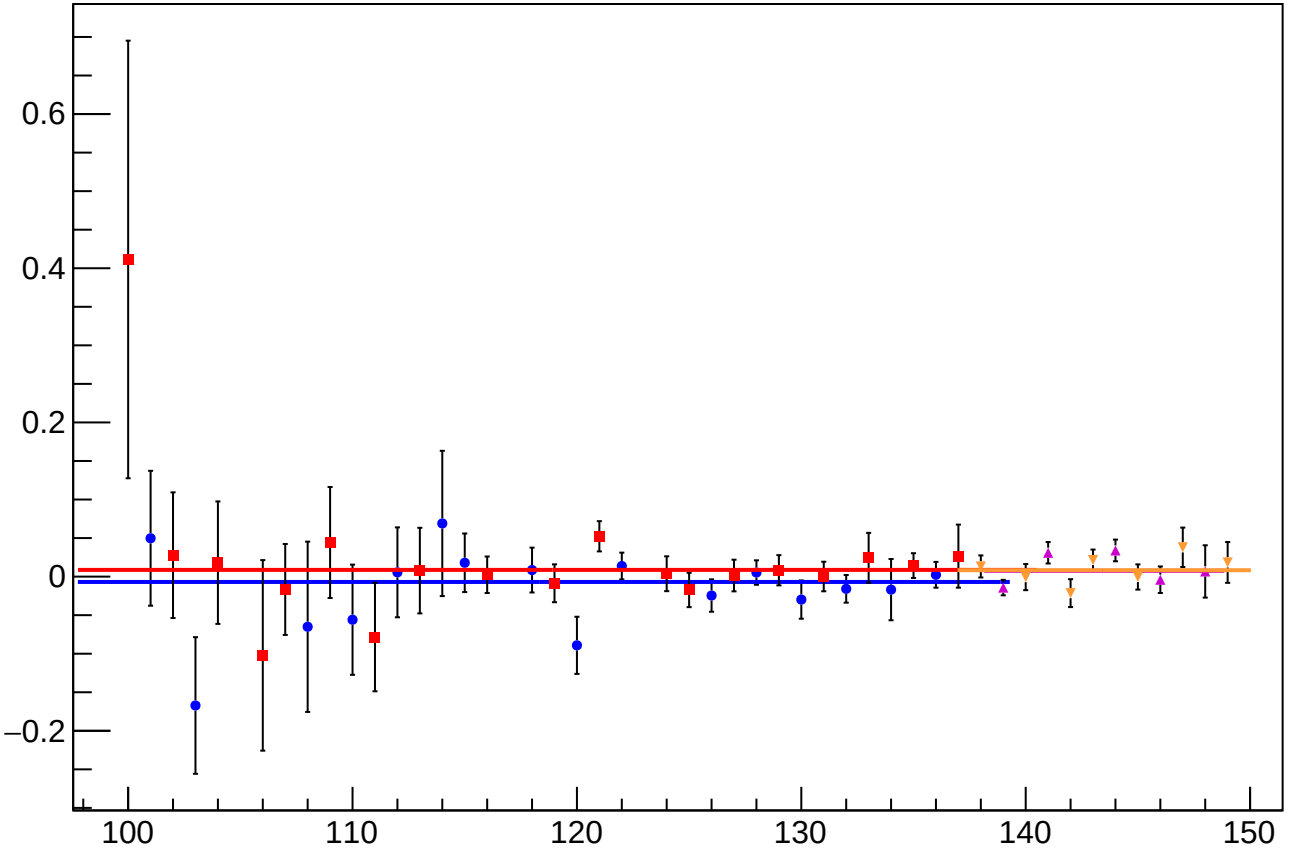
+ sign -0.000+/-0.000 χ^2/NDF: 38.9/22

All: 0.000+/-0.000 χ^2/NDF: 55.8/46

- sign 0.000+/-0.000 χ^2/NDF: 16.2/23


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:44078.2/6
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:83691.9/4
+ sign 0.001+/-0.000 χ²/NDF: 880041.0/22
All: 0.001+/-0.000 χ²/NDF: 1377825.4/46
- sign 0.001+/-0.000 χ²/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:5.8/6

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

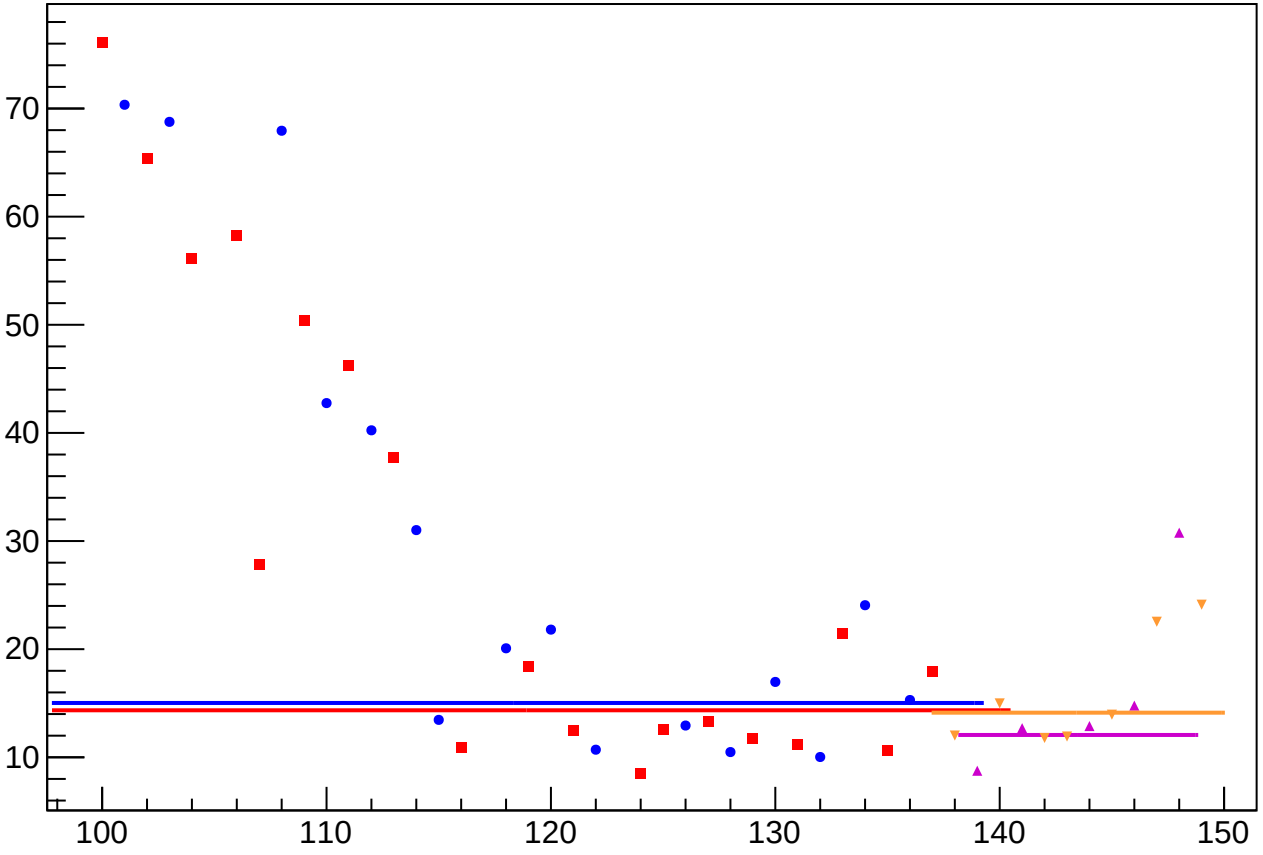
Left In: 0.008+/-0.006 χ^2/NDF:11.5/4

+ sign 0.001+/-0.005 χ^2/NDF: 23.4/22

All: 0.005+/-0.003 χ^2/NDF: 48.8/46

- 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: 14.128+/-0.005 χ^2/NDF:635435.6/6

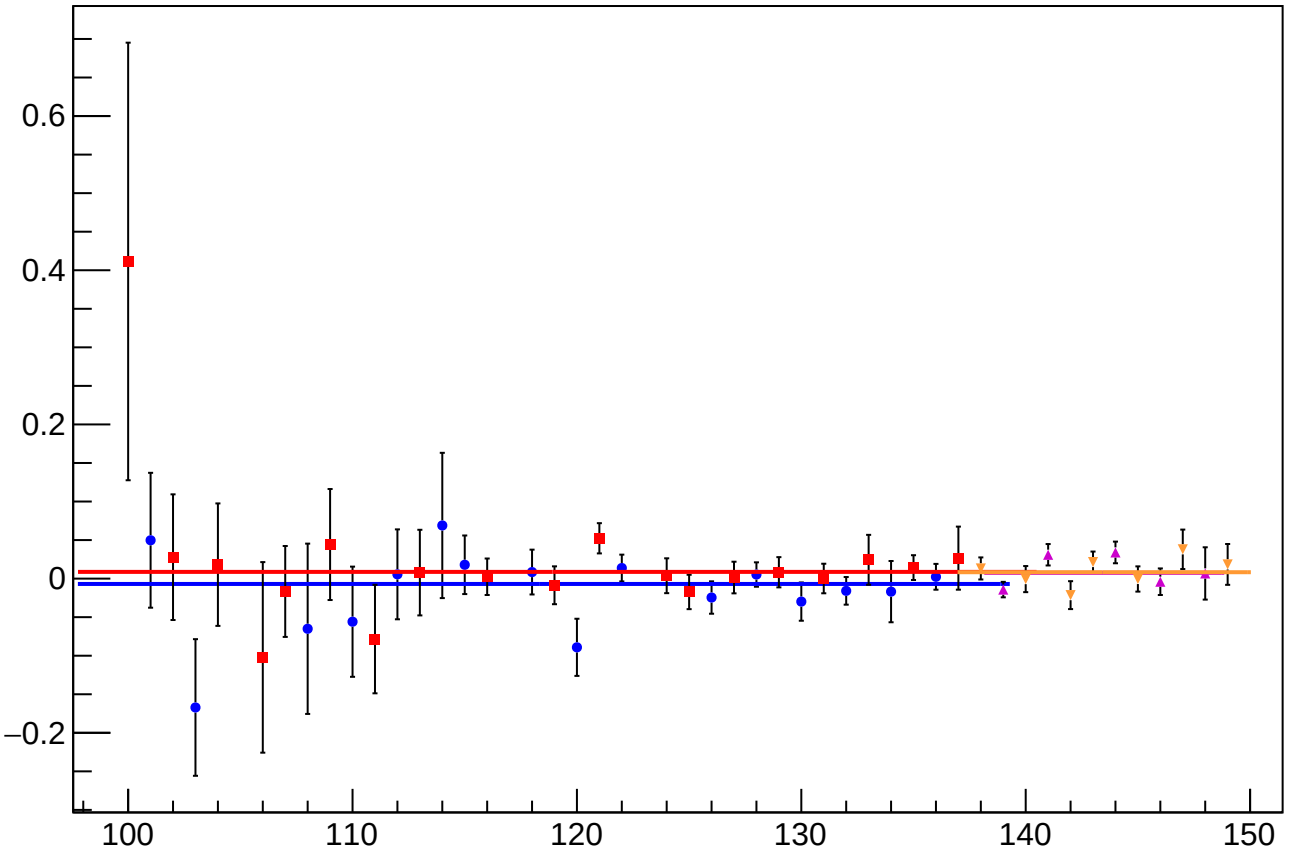
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 12.066+/-0.005 χ^2/NDF:885596.7/4

+ sign 14.562+/-0.003 χ^2/NDF: 4092057.7/22

All: 13.862+/-0.002 χ^2/NDF: 8820392.6/46

- sign 13.210+/-0.003 χ^2/NDF: 4642015.3/23



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.8/6

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

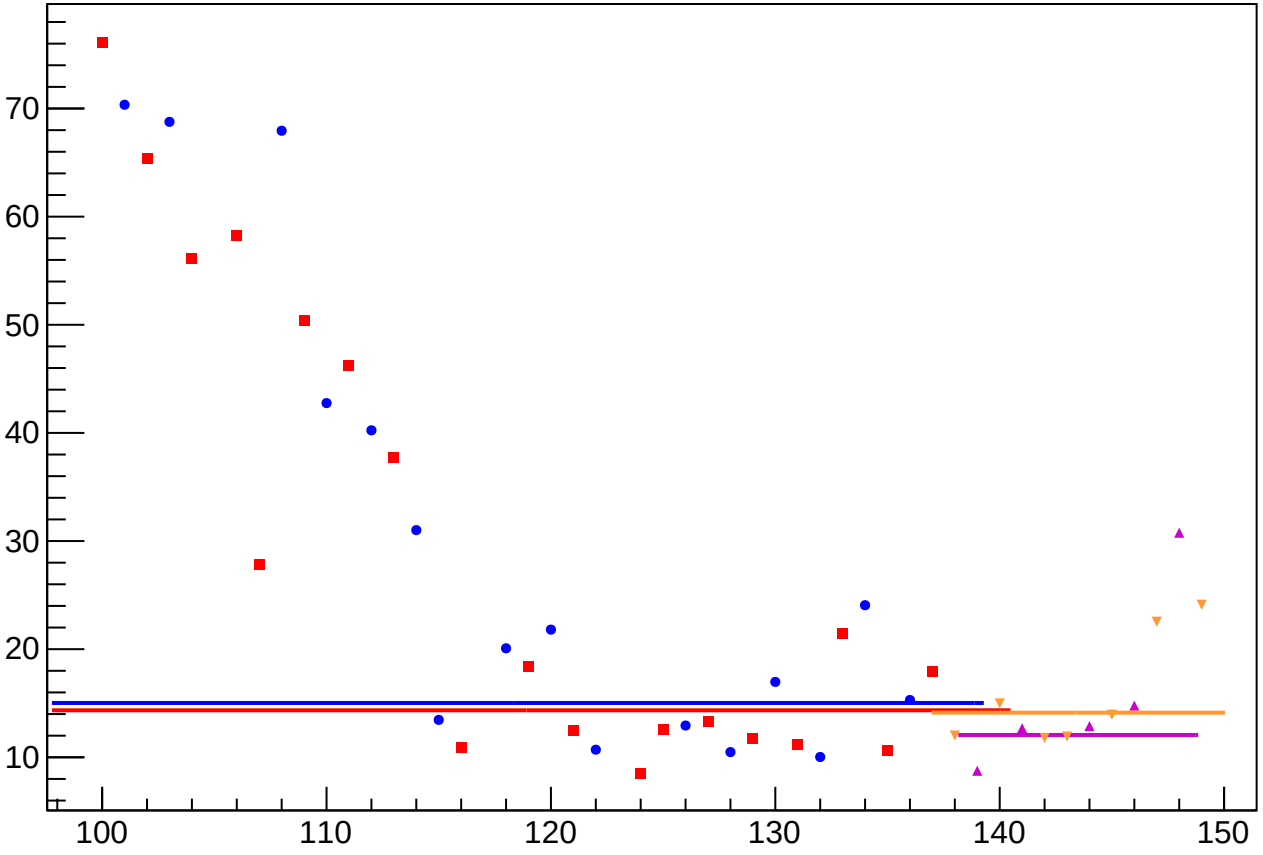
Left In: 0.008+/-0.006 χ^2/NDF:11.5/4

+ sign 0.001+/-0.005 χ^2/NDF: 23.4/22

All: 0.005+/-0.003 χ^2/NDF: 48.8/46

- sign 0.008+/-0.005 χ^2/NDF: 24.2/23

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.128+/-0.005 χ^2/NDF:635435.6/6

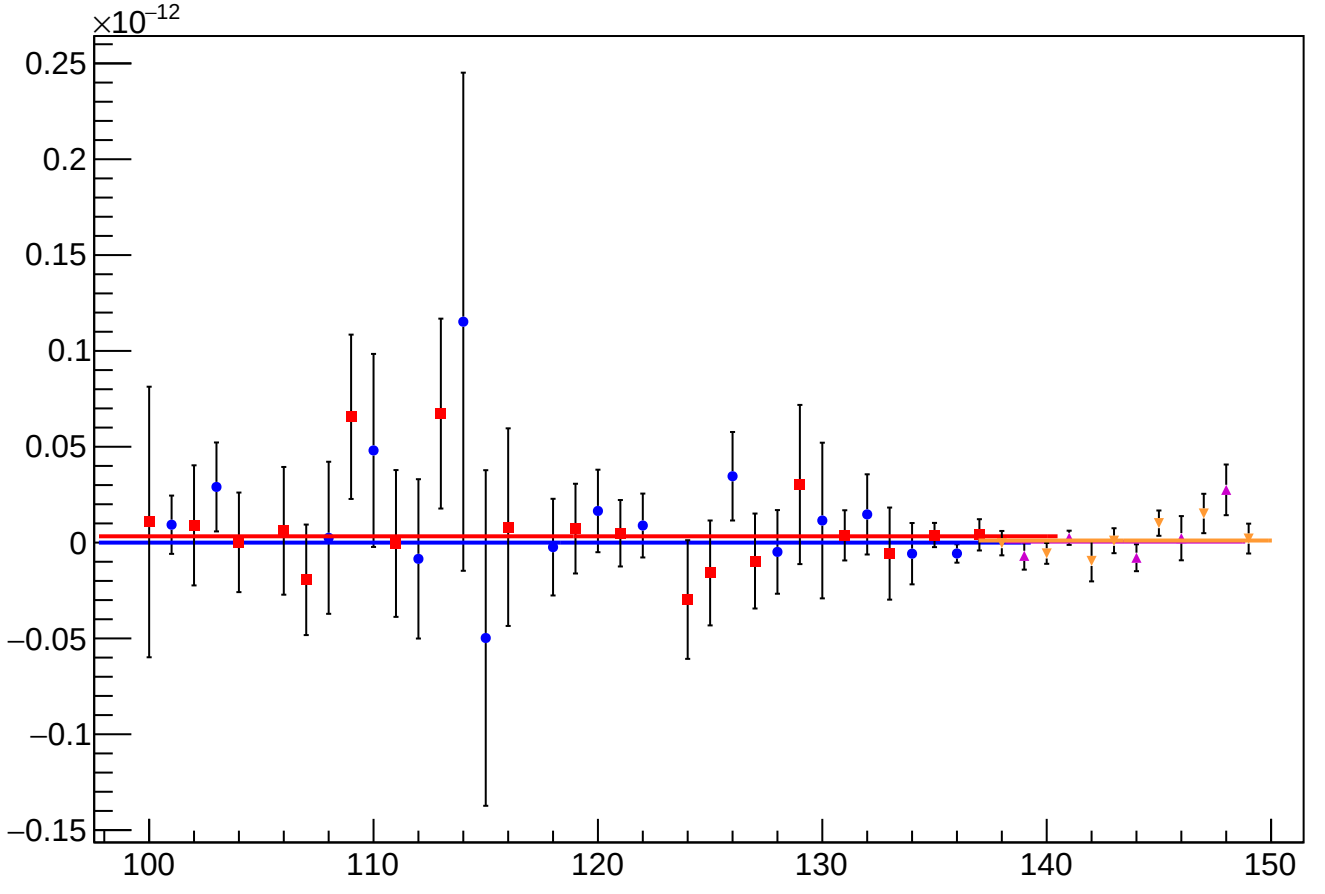
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 12.066+/-0.005 χ^2/NDF:885596.7/4

+ sign 14.562+/-0.003 χ^2/NDF: 4092057.7/22

All: 13.862+/-0.002 χ^2/NDF: 8820392.6/46

- sign 13.210+/-0.003 χ^2/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:6.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

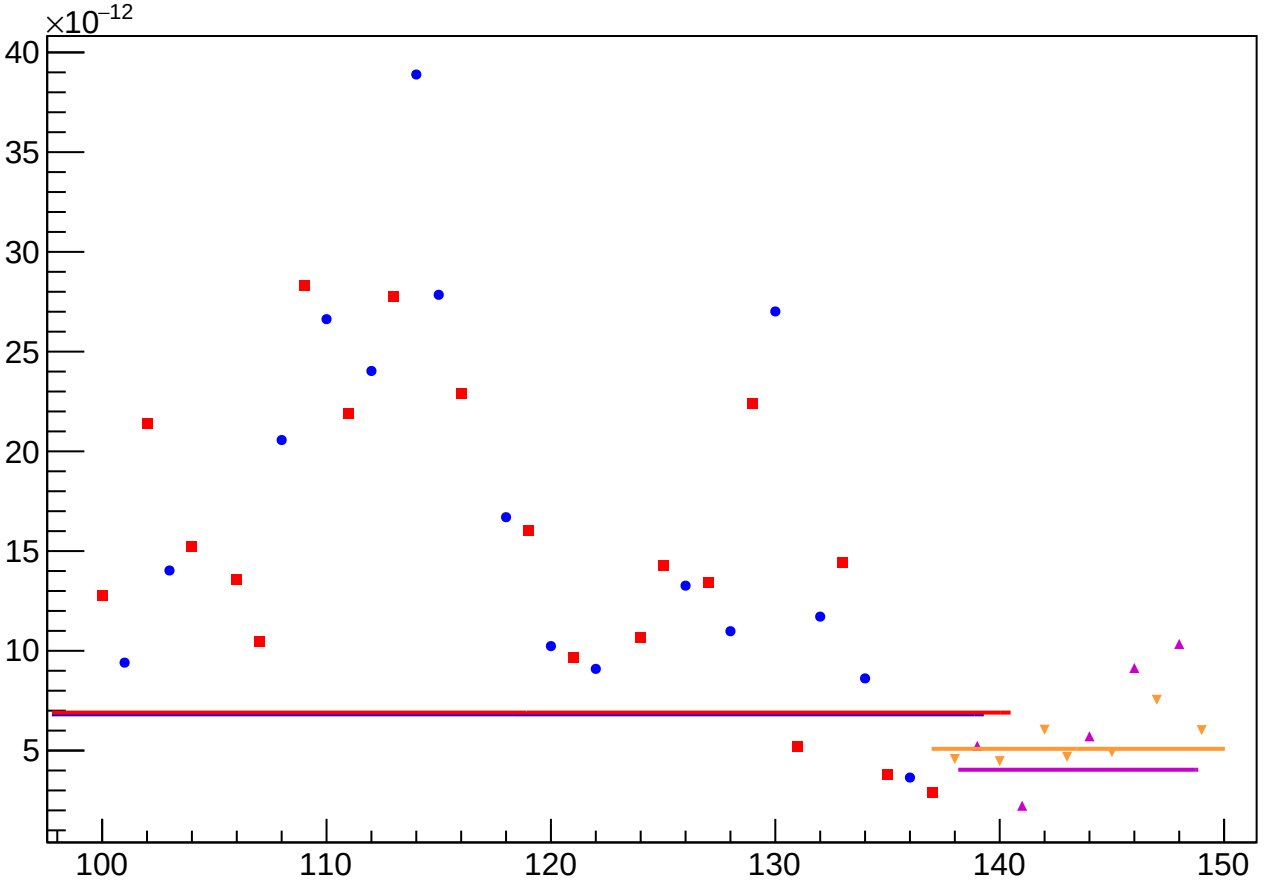
Left In: 0.000+/-0.000 χ^2/NDF:7.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 15.7/22

All: 0.000+/-0.000 χ^2/NDF: 30.1/46

- 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:207114.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

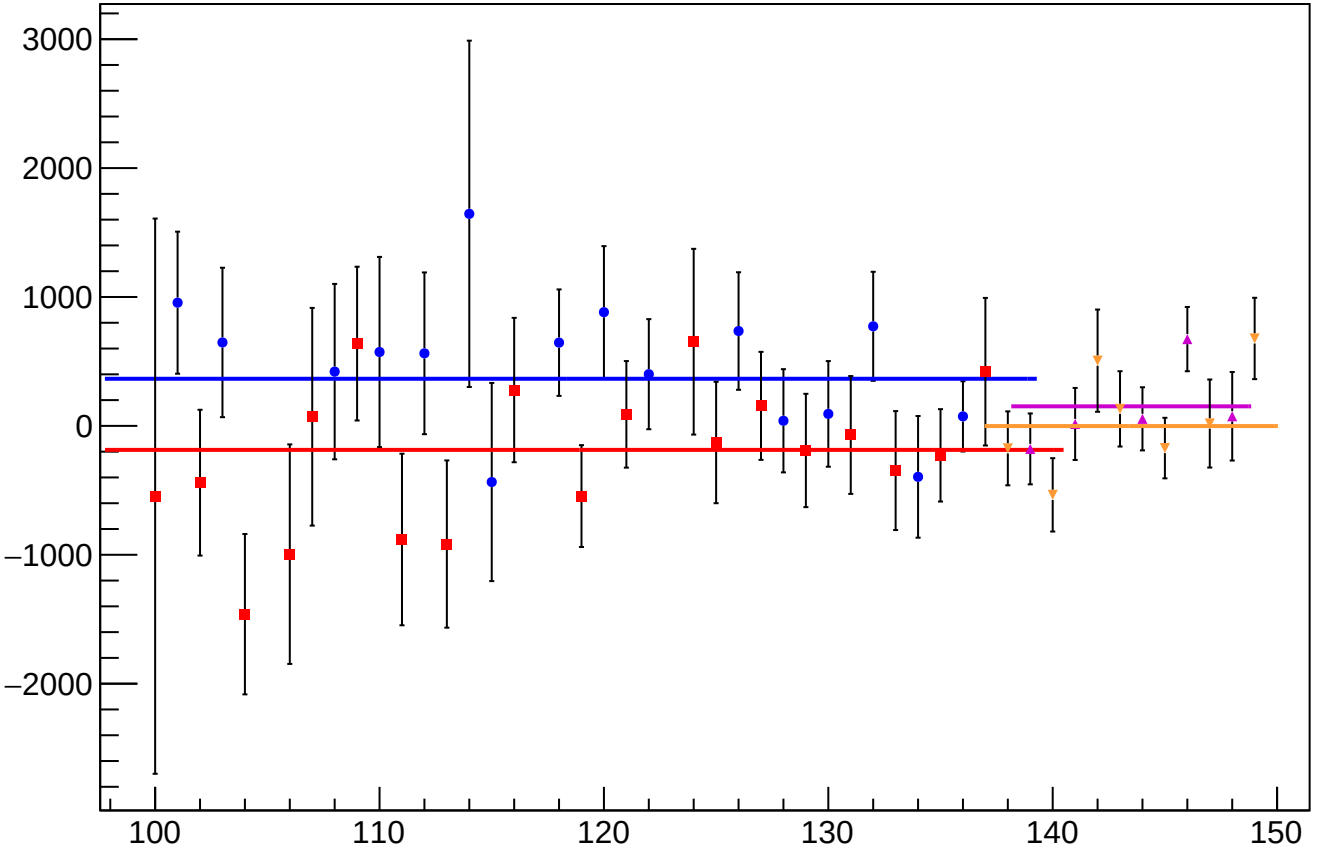
Left In: 0.000+/-0.000 χ^2/NDF:1491081.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 3997063.9/22

All: 0.000+/-0.000 χ^2/NDF: 10512027.7/46

- 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: -1.376+/-112.281 χ^2/NDF:10.9/6

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

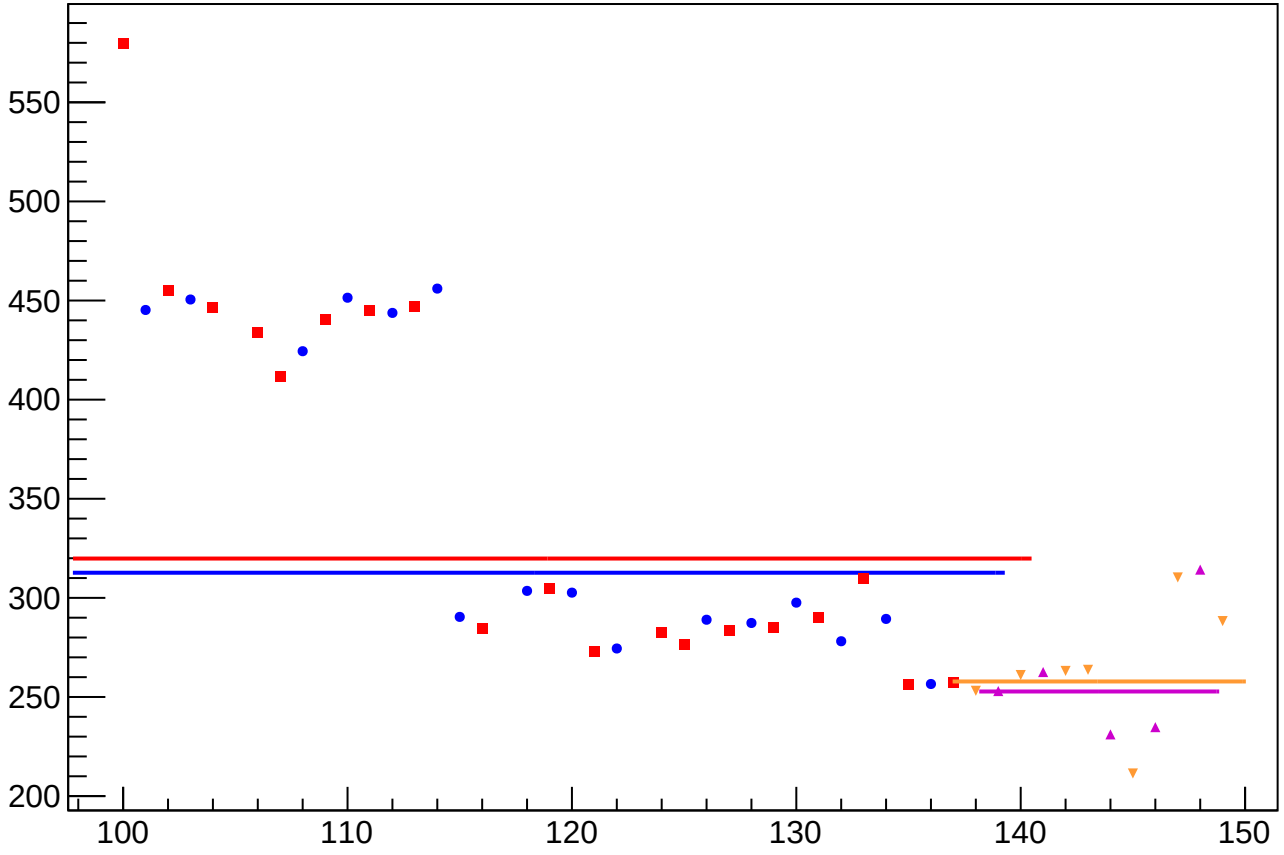
Left In: 151.694+/-121.919 χ^2/NDF:6.3/4

+ sign 171.628+/-81.626 χ^2/NDF: 27.4/22

All: 80.527+/-59.070 χ^2/NDF: 55.2/46

- 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: 257.830+/-0.079 χ^2/NDF:145918.5/6

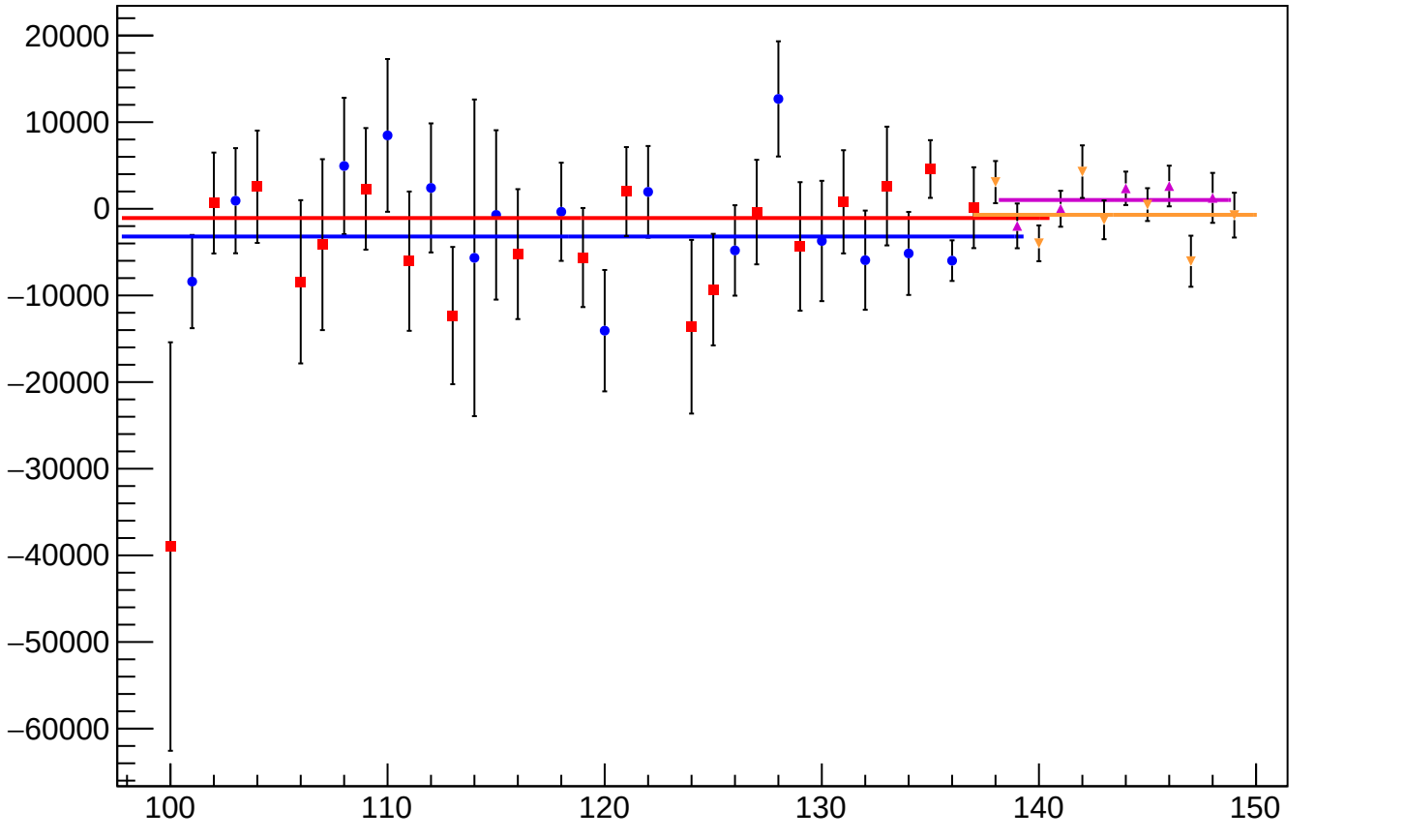
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 252.771+/-0.086 χ^2/NDF:92583.3/4

+ sign 283.694+/-0.058 χ^2/NDF: 973184.5/22

All: 285.166+/-0.042 χ^2/NDF: 2071969.0/46

- 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: -694.105+/-892.566 χ^2/NDF:11.4/6

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

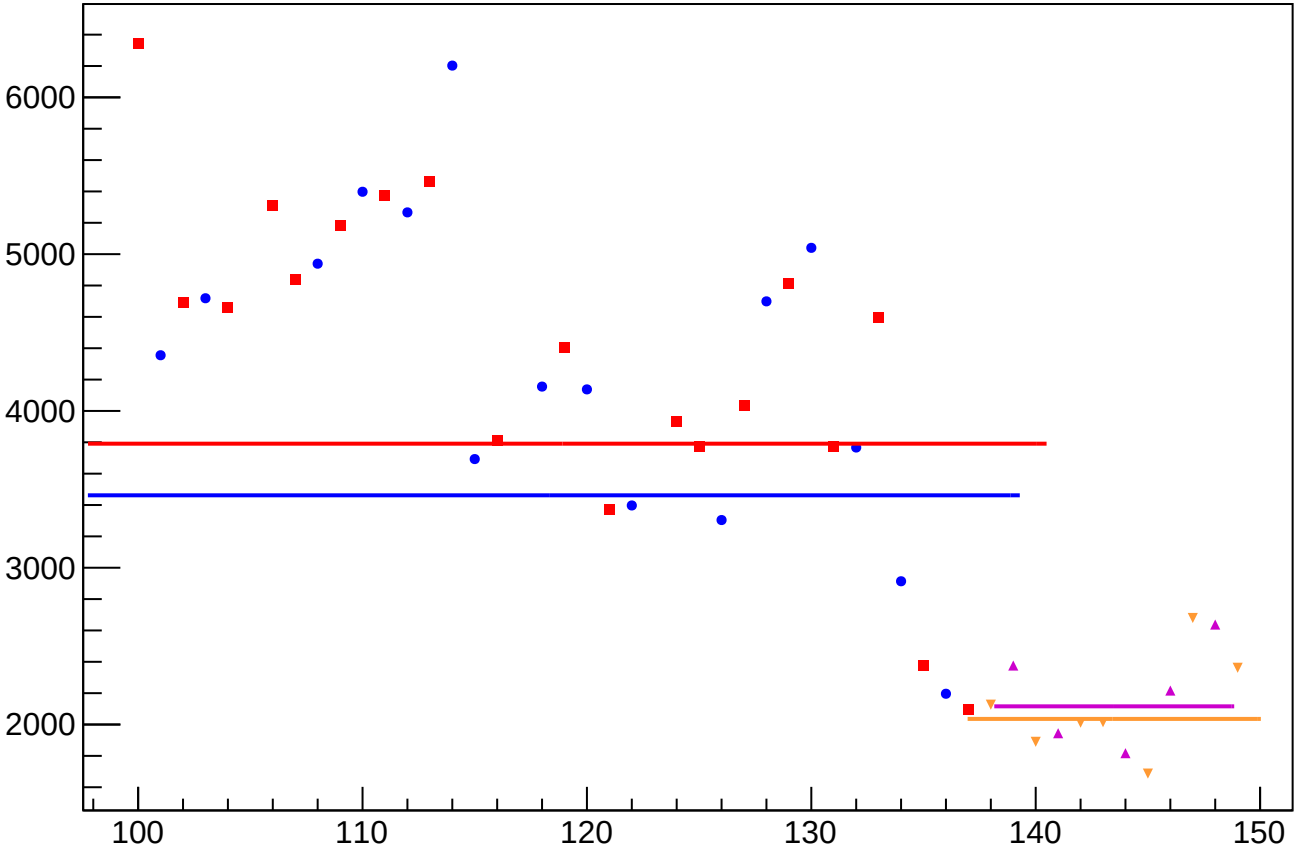
Left In: 1017.124+/-1024.670 χ^2/NDF:2.5/4

\+ sign -1452.954+/-745.185 χ^2/NDF: 29.9/22

All: -667.886+/-556.132 χ^2/NDF: 50.7/46

\- 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: 2035.790+/-0.631 χ^2/NDF:208132.1/6

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

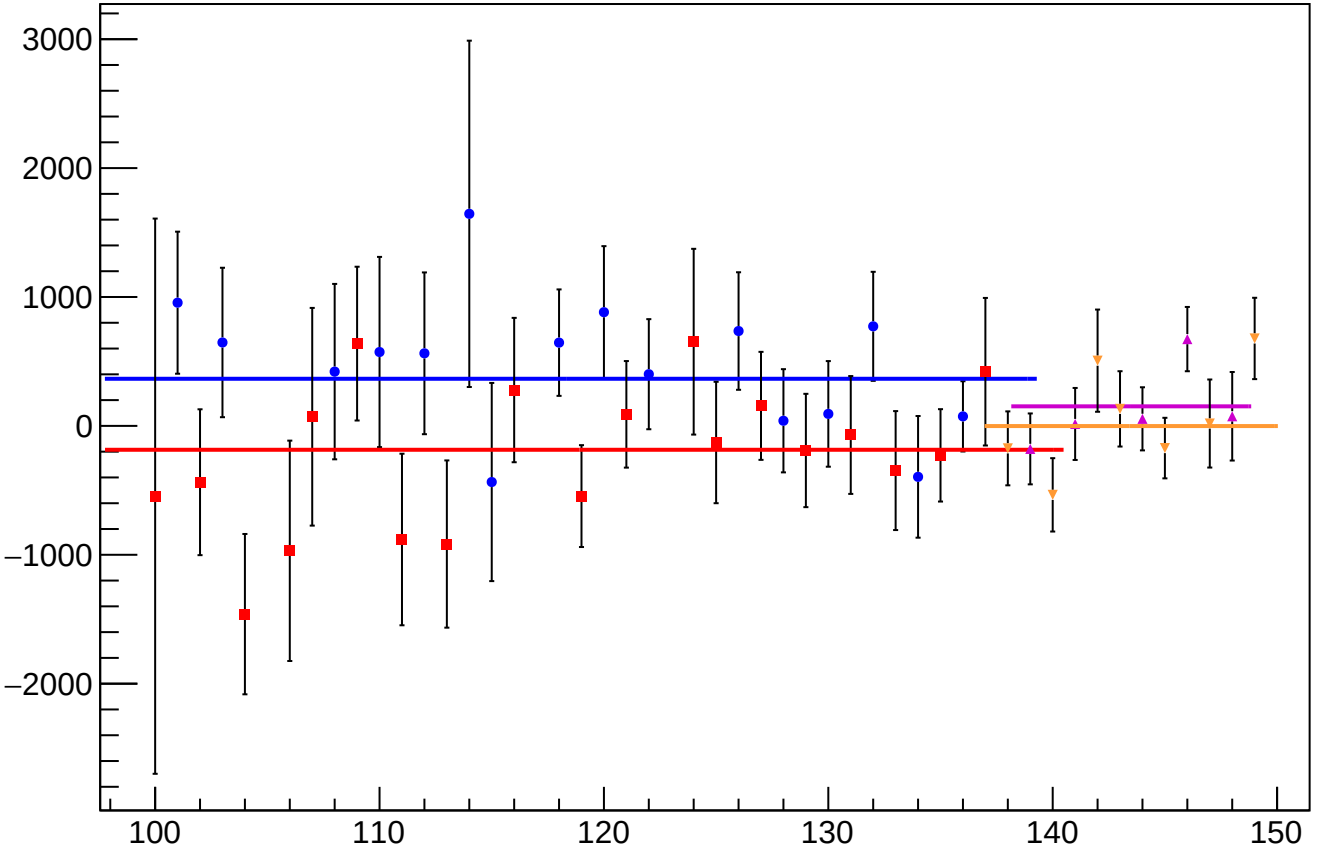
Left In: 2115.991+/-0.725 χ^2/NDF:151026.8/4

+ sign 2467.877+/-0.527 χ^2/NDF: 3064683.1/22

All: 2560.692+/-0.393 χ^2/NDF: 6232895.9/46

- 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: -1.374+/-112.281 χ^2/NDF:10.9/6

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

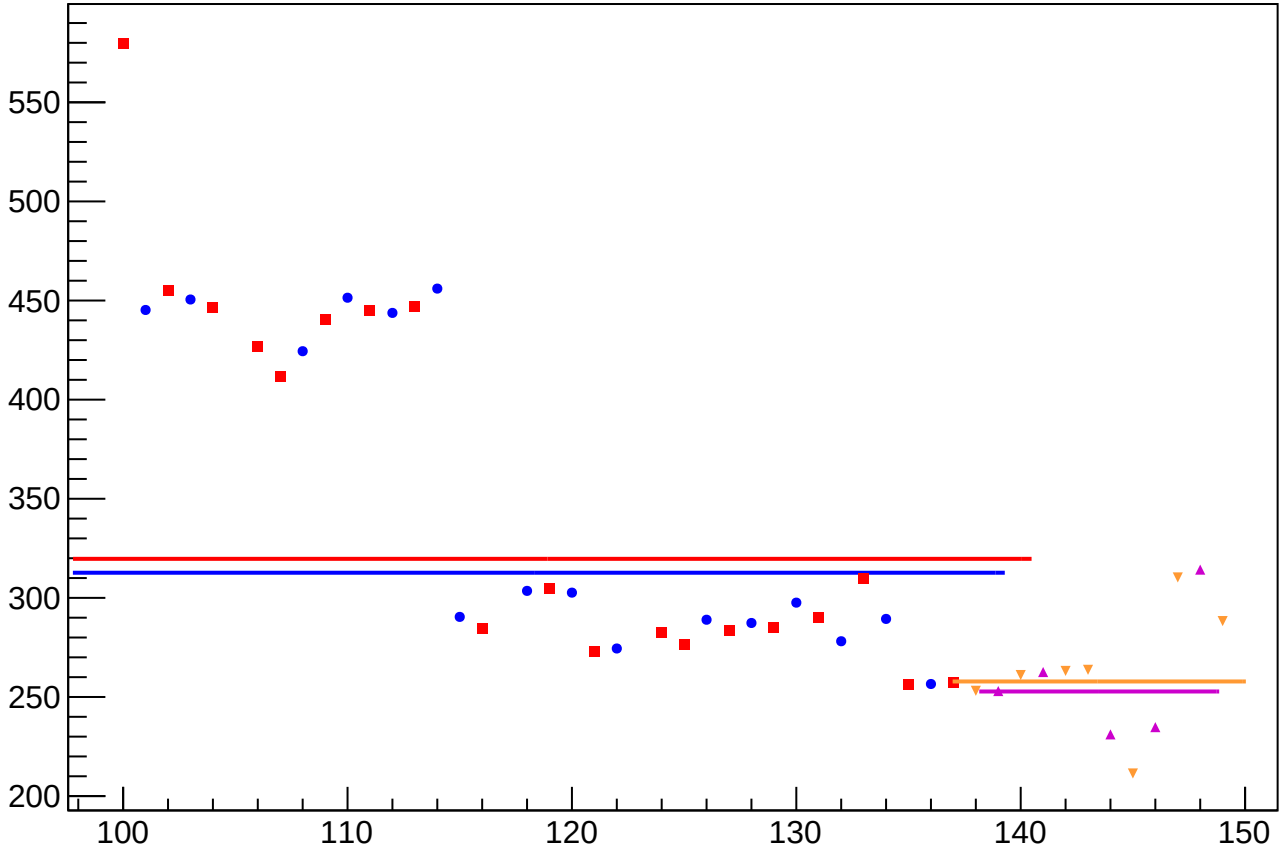
Left In: 151.685+/-121.919 χ^2/NDF:6.3/4

+ sign 171.621+/-81.626 χ^2/NDF: 27.4/22

All: 80.729+/-59.072 χ^2/NDF: 55.1/46

- 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: 257.830+/-0.079 χ^2/NDF:145918.5/6

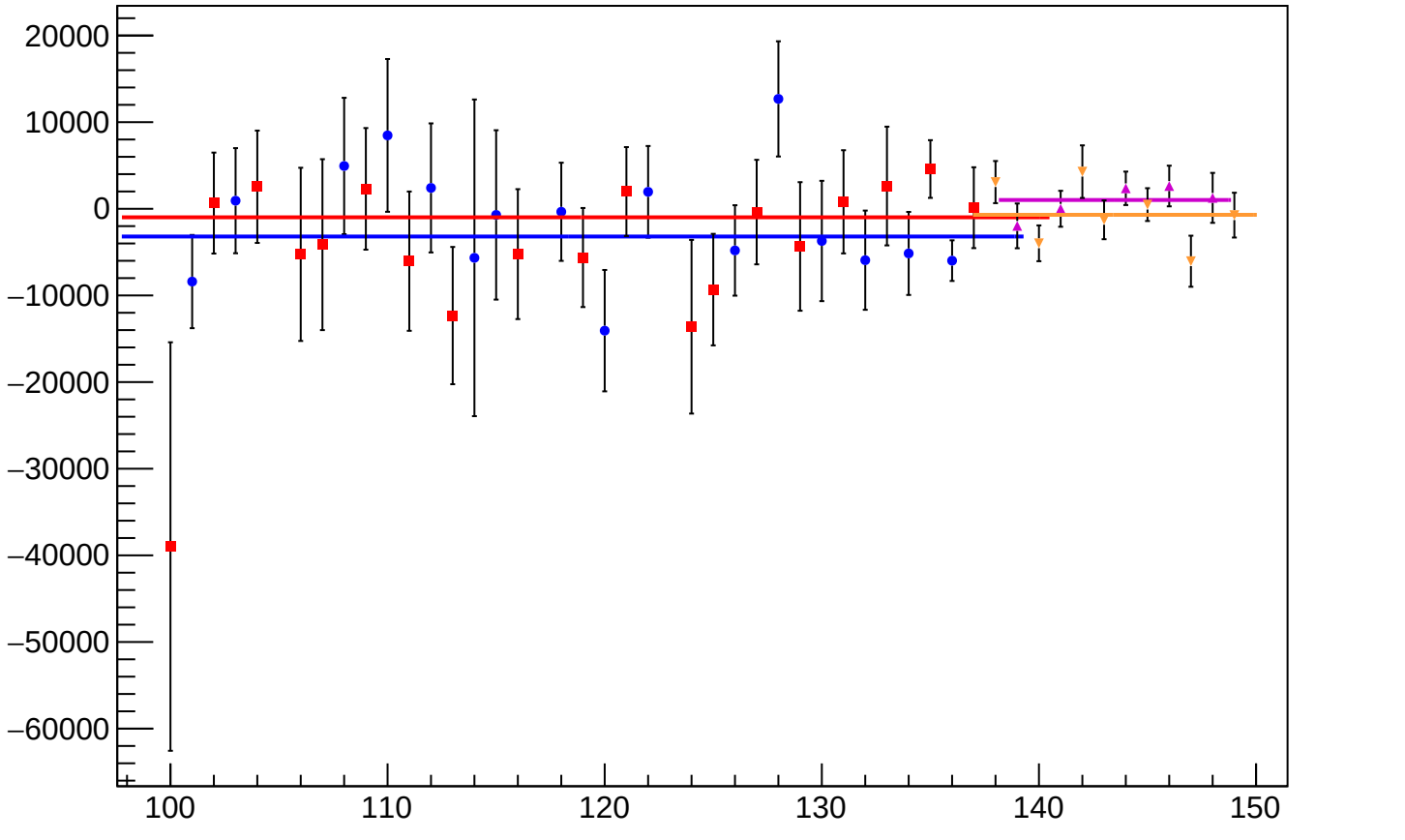
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 252.771+/-0.086 χ^2/NDF:92583.3/4

+ sign 283.694+/-0.058 χ^2/NDF: 973186.1/22

All: 285.129+/-0.042 χ^2/NDF: 2066355.9/46

- 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: -694.099+/-892.566 χ^2/NDF:11.4/6

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

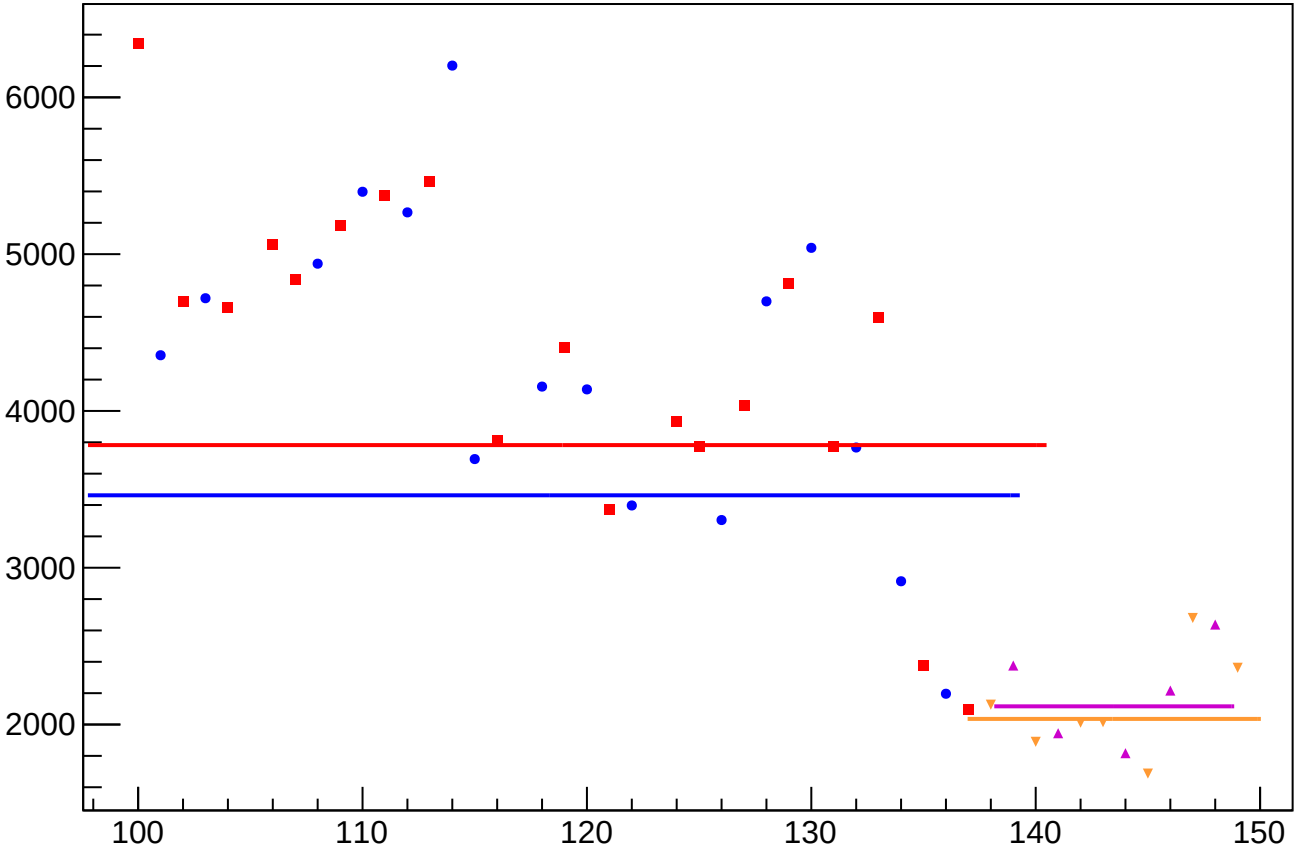
Left In: 1017.088+/-1024.670 χ^2/NDF:2.5/4

+ sign -1452.926+/-745.185 χ^2/NDF: 29.9/22

All: -655.131+/-556.243 χ^2/NDF: 50.2/46

- 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: 2035.789+/-0.631 χ^2/NDF:208132.8/6

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

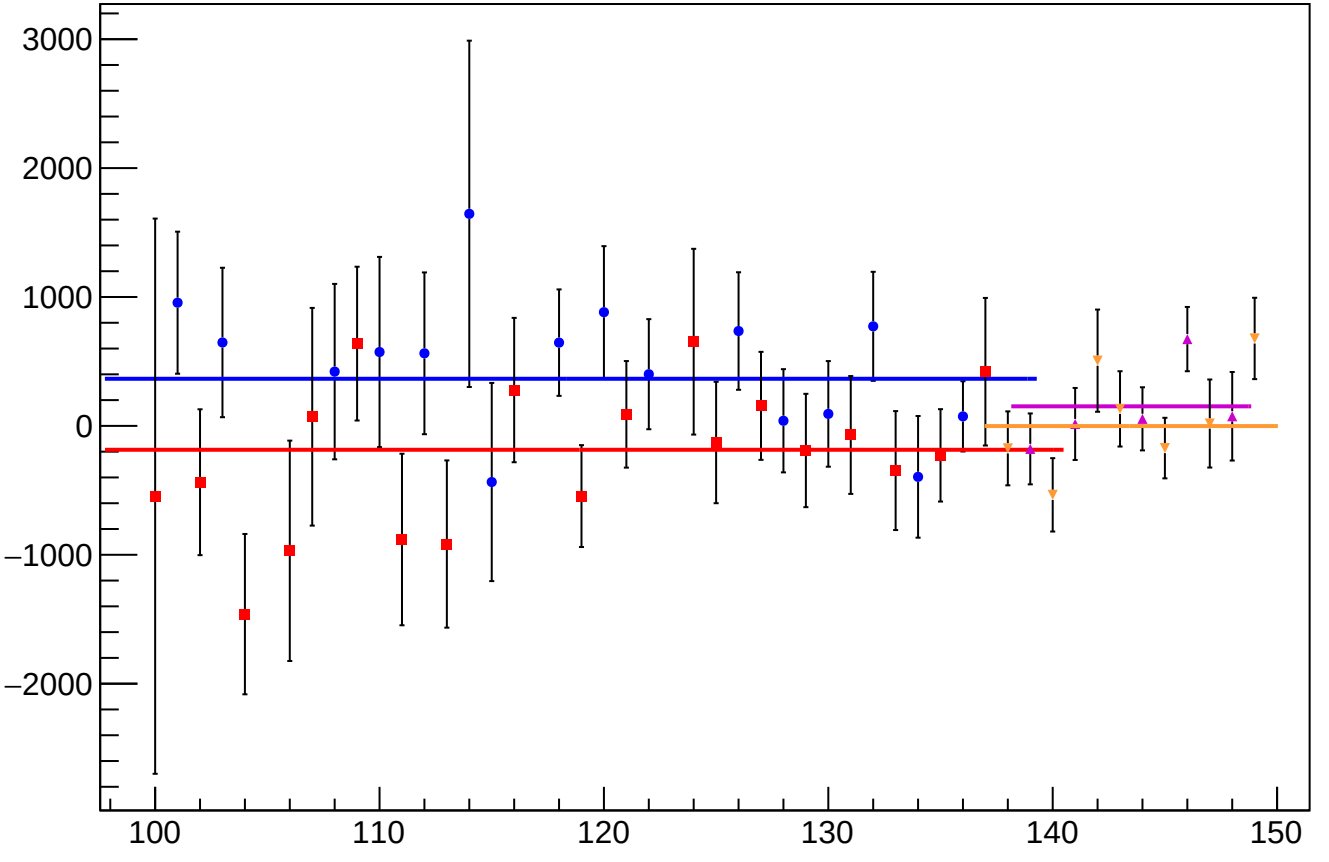
Left In: 2115.991+/-0.725 χ^2/NDF:151026.9/4

+ sign 2467.876+/-0.527 χ^2/NDF: 3064706.6/22

All: 2558.864+/-0.393 χ^2/NDF: 6188384.6/46

- 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: -1.374+/-112.281 χ^2/NDF:10.9/6

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

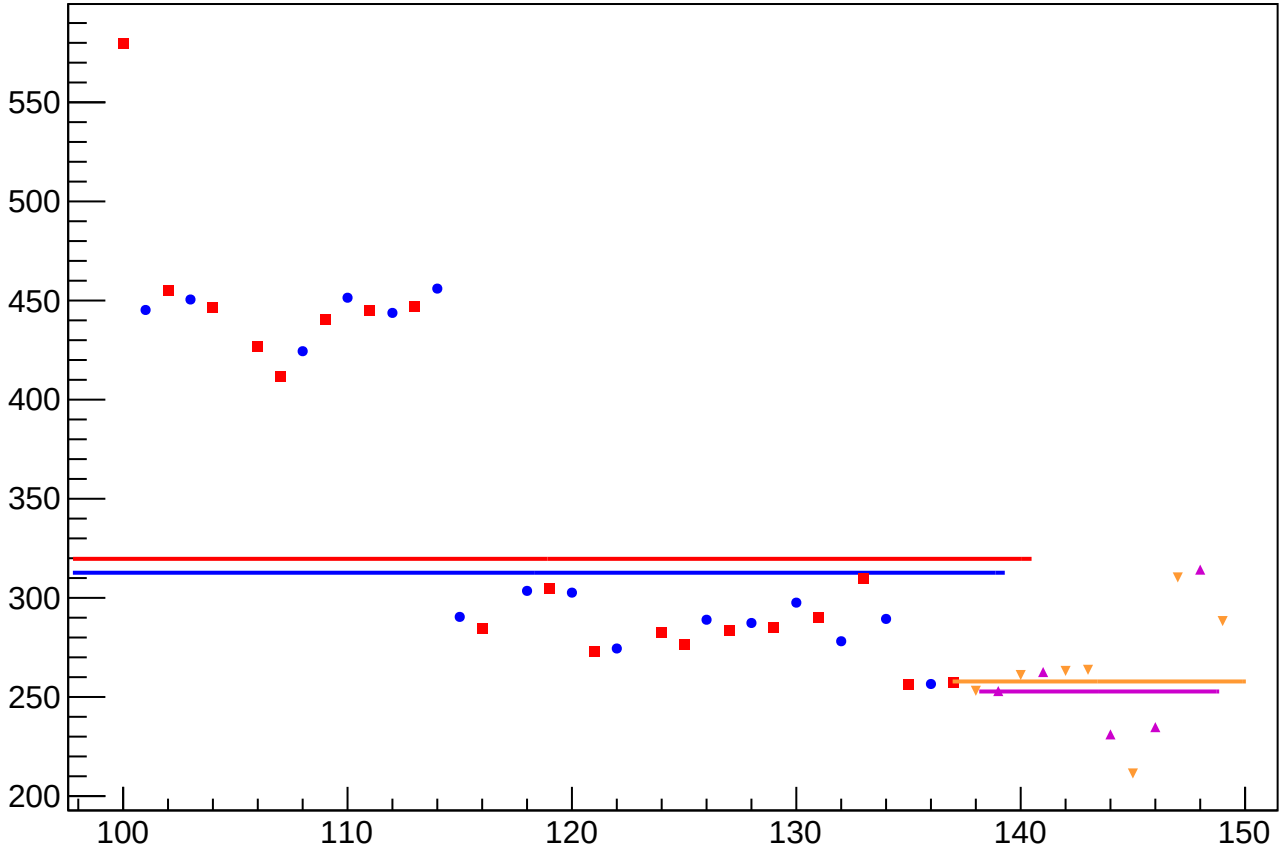
Left In: 151.685+/-121.919 χ^2/NDF:6.3/4

+ sign 171.621+/-81.626 χ^2/NDF: 27.4/22

All: 80.729+/-59.072 χ^2/NDF: 55.1/46

- 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: 257.830+/-0.079 χ^2/NDF:145918.5/6

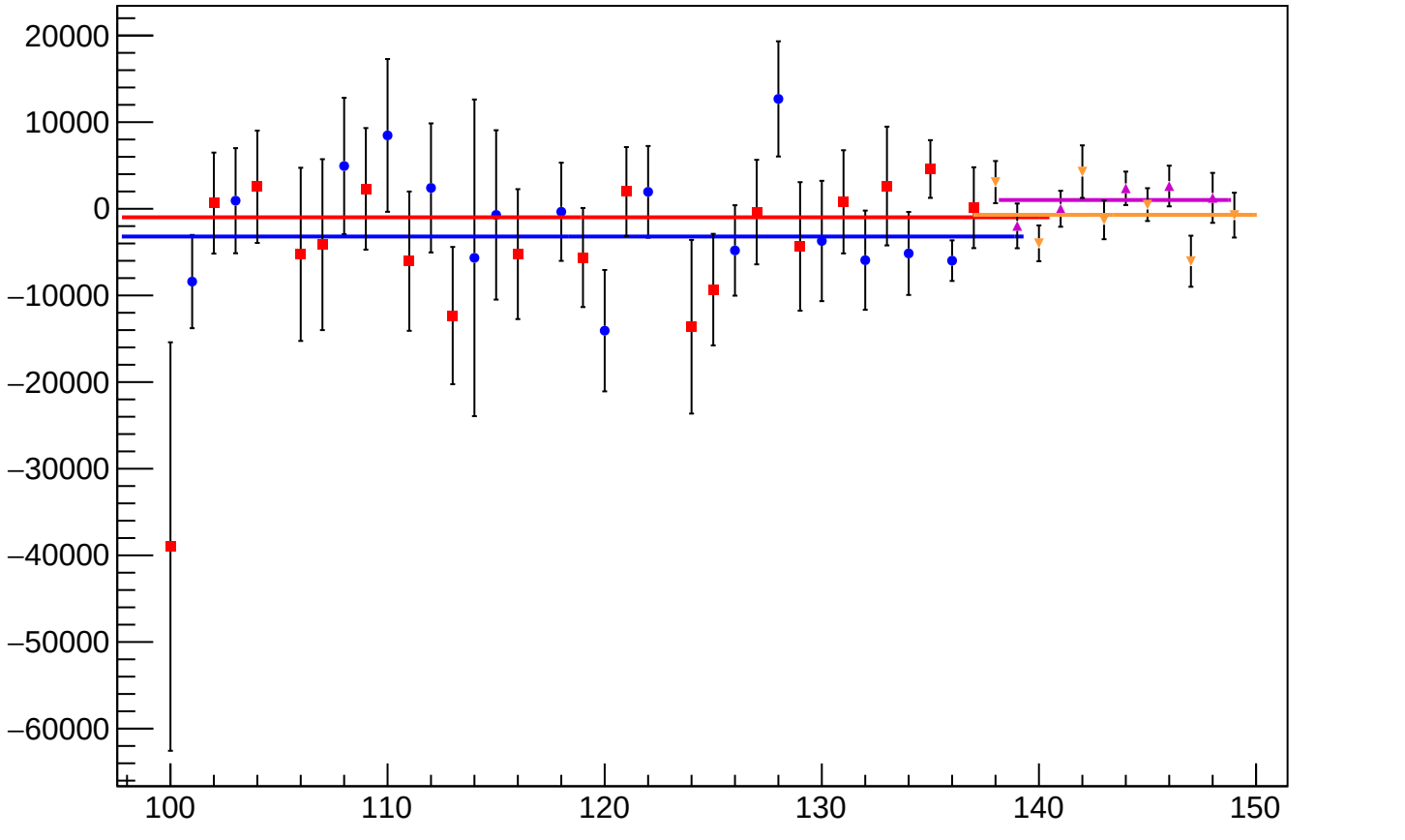
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 252.771+/-0.086 χ^2/NDF:92583.3/4

+ sign 283.694+/-0.058 χ^2/NDF: 973186.1/22

All: 285.129+/-0.042 χ^2/NDF: 2066355.9/46

- 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: -694.099+/-892.566 χ^2/NDF:11.4/6

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

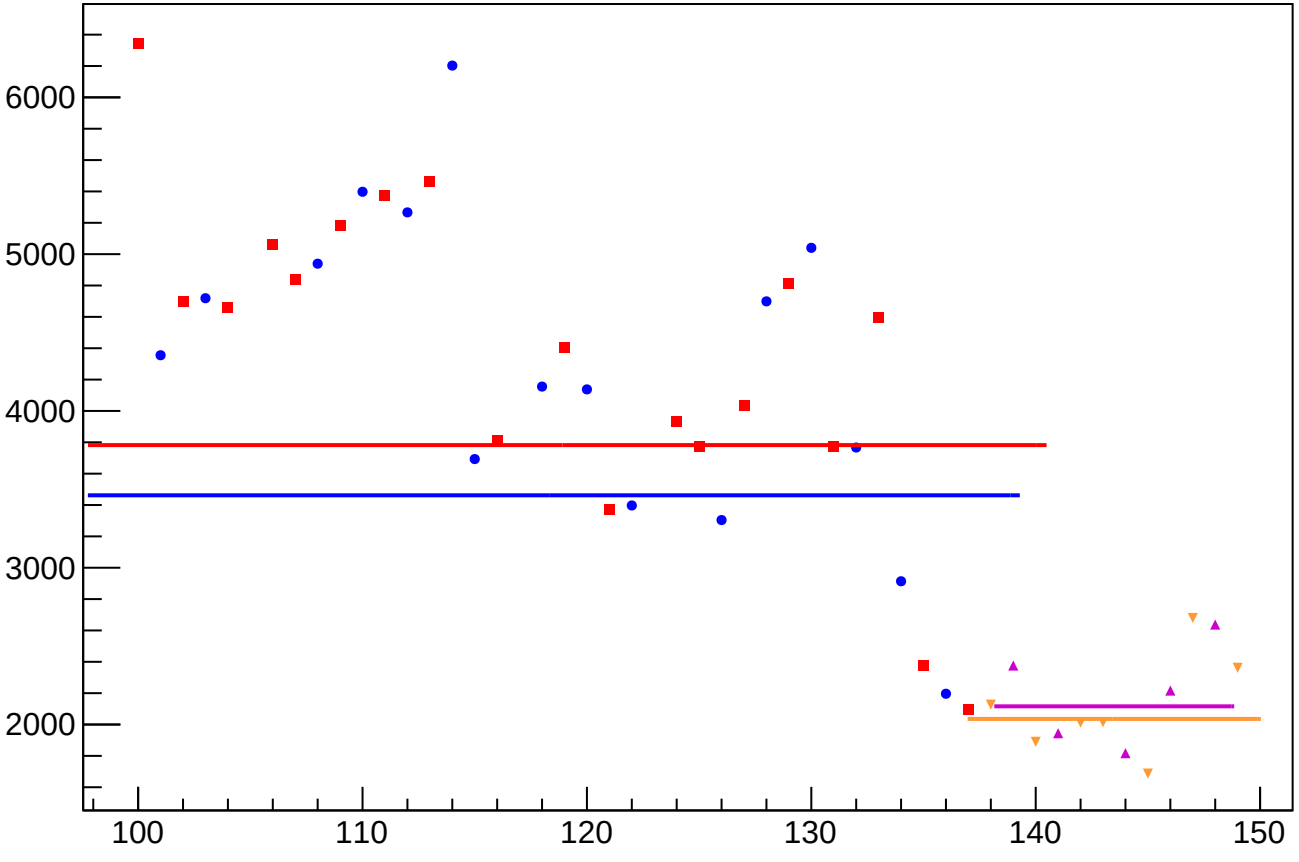
Left In: 1017.088+/-1024.670 χ^2/NDF:2.5/4

+ sign -1452.926+/-745.185 χ^2/NDF: 29.9/22

All: -655.131+/-556.243 χ^2/NDF: 50.2/46

- 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: 2035.789+/-0.631 χ^2/NDF:208132.8/6

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

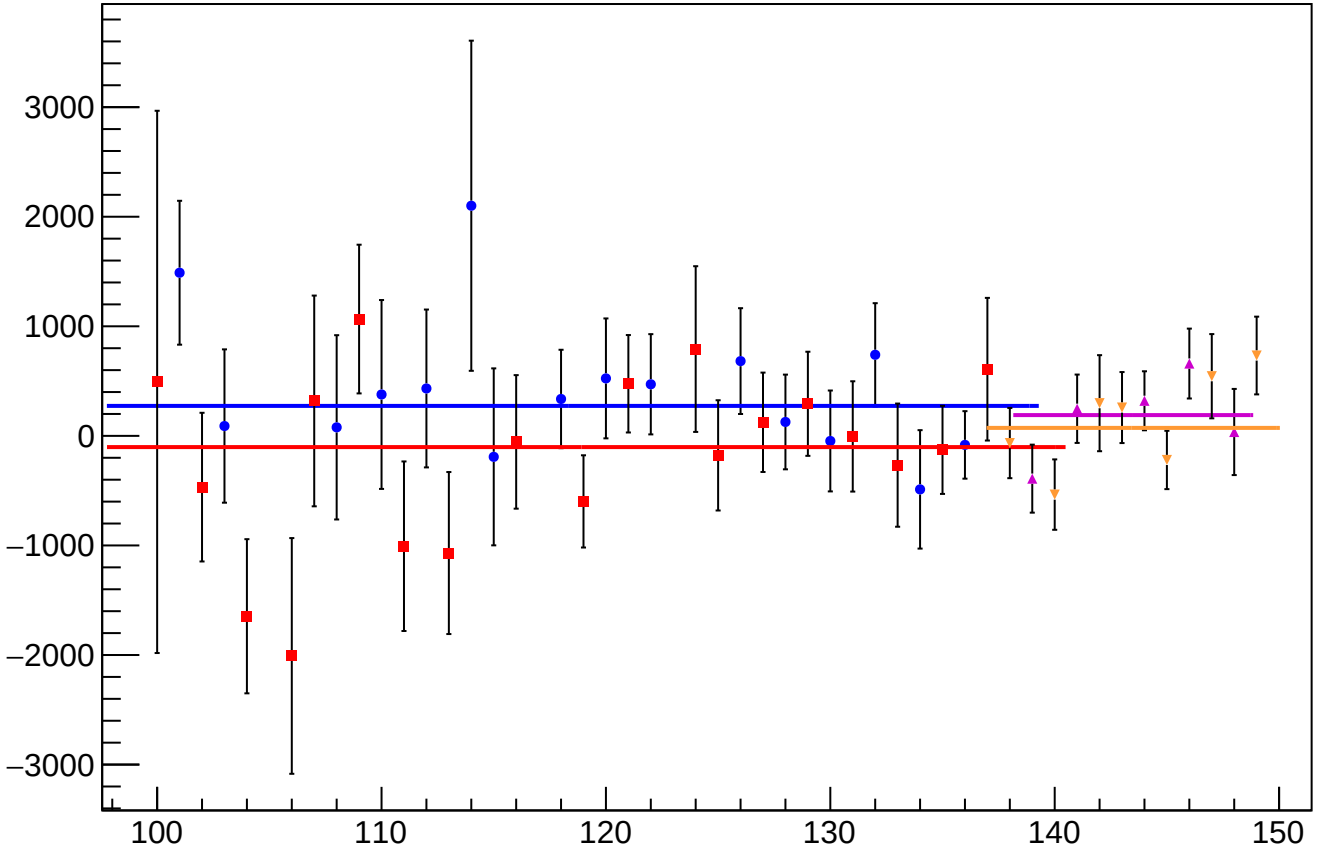
Left In: 2115.991+/-0.725 χ^2/NDF:151026.9/4

+ sign 2467.876+/-0.527 χ^2/NDF: 3064706.6/22

All: 2558.864+/-0.393 χ^2/NDF: 6188384.6/46

- 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: 72.835+/-126.003 χ^2/NDF:10.6/6

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

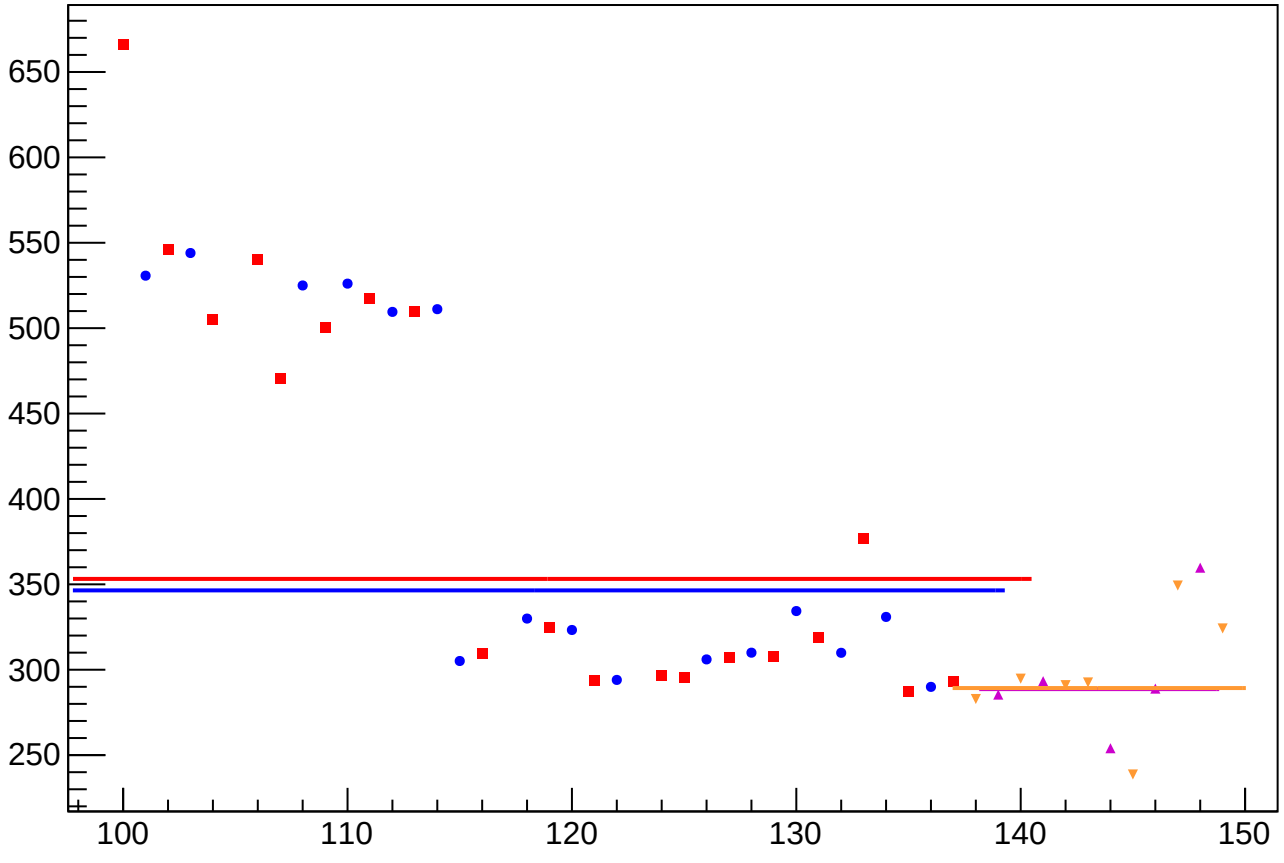
Left In: 189.640+/-140.359 χ^2/NDF:6.1/4

+ sign 168.137+/-91.320 χ^2/NDF: 23.2/22

All: 106.104+/-66.417 χ^2/NDF: 53.9/46

- 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: 289.266+/-0.089 χ^2/NDF:142037.3/6

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

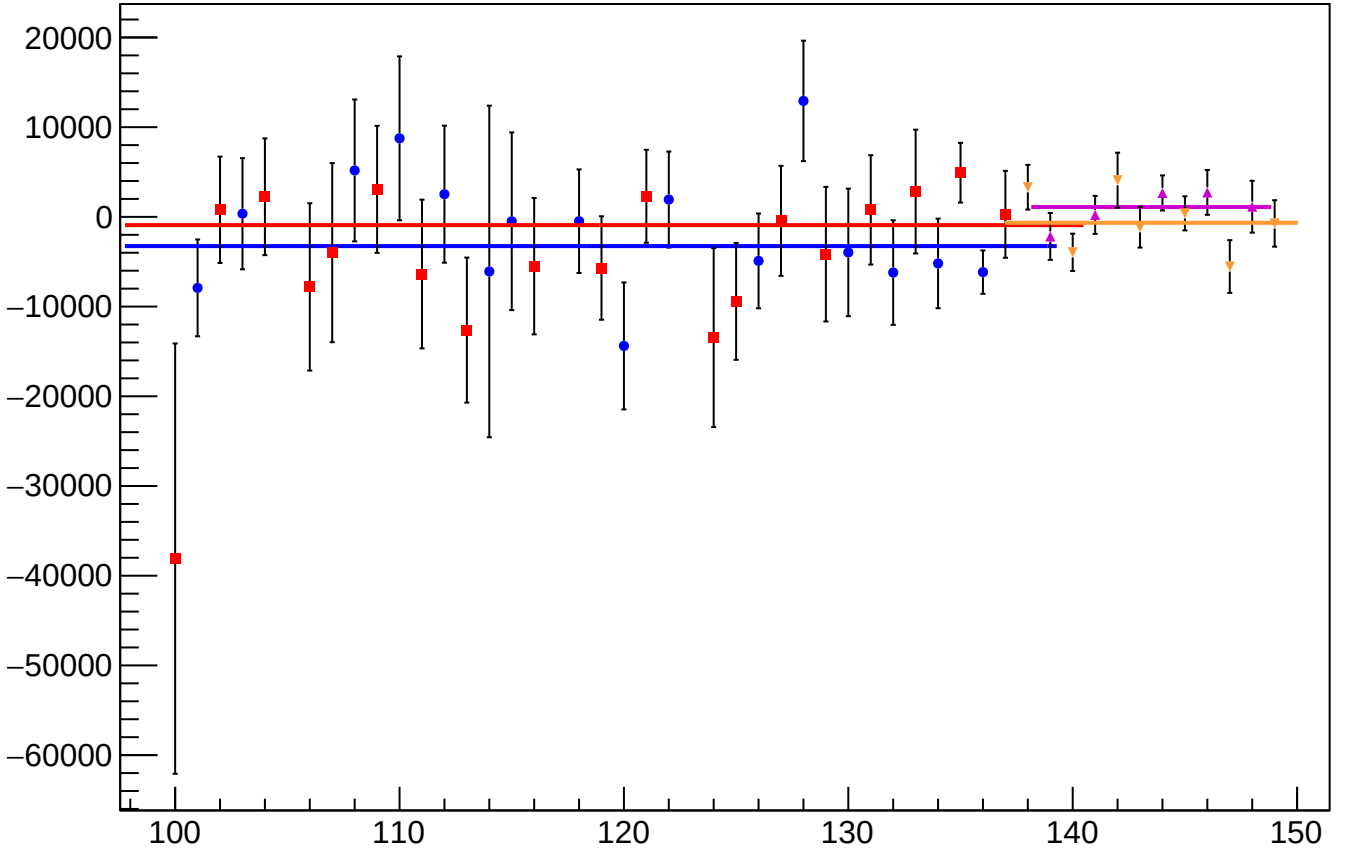
Left In: 288.651+/-0.099 χ^2/NDF:99146.0/4

+ sign 316.416+/-0.065 χ^2/NDF: 1106391.2/22

All: 319.284+/-0.047 χ^2/NDF: 2297847.2/46

- 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: -660.520+/-899.690 χ^2/NDF:10.5/6

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

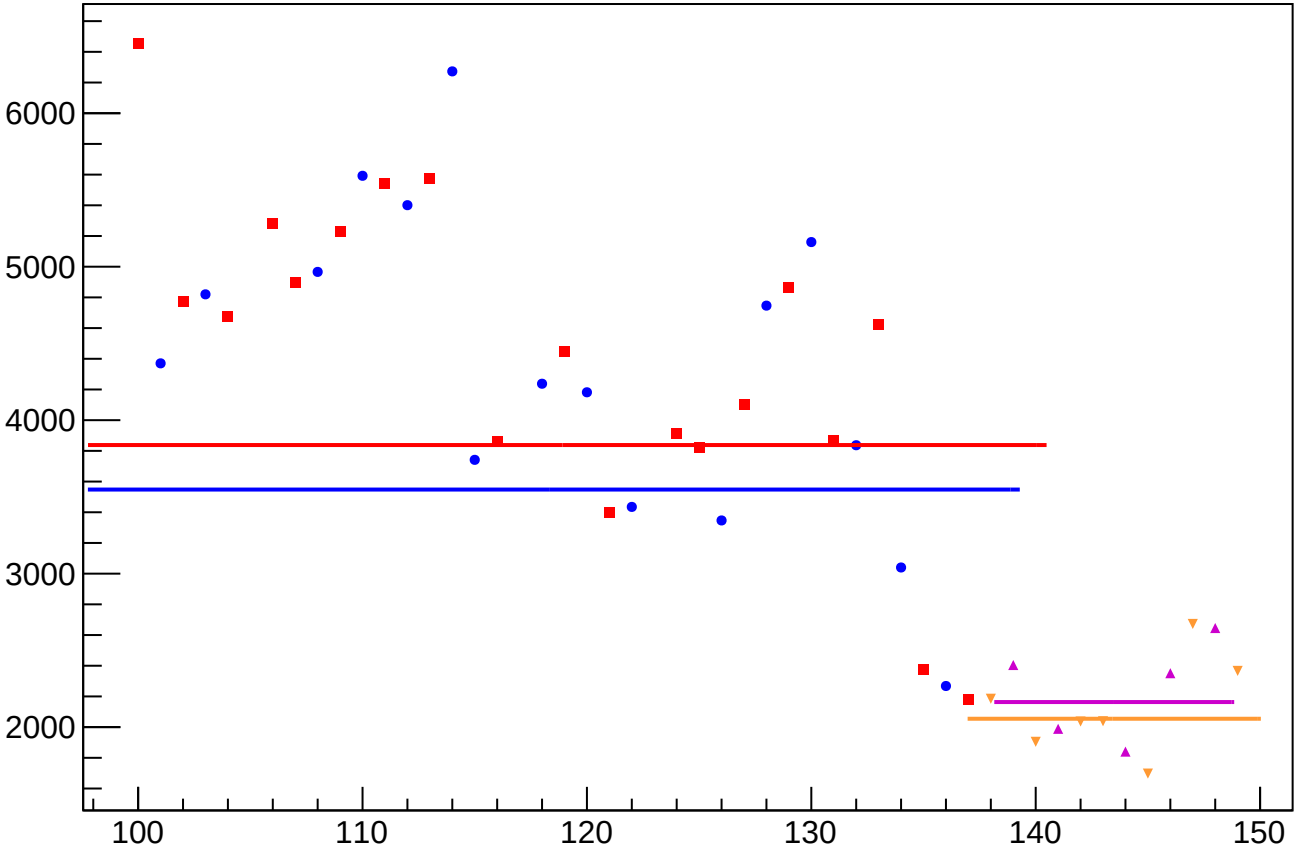
Left In: 1097.585+/-1048.187 χ^2/NDF:2.8/4

\+ sign -1432.251+/-754.339 χ^2/NDF: 29.0/22

All: -621.691+/-564.673 χ^2/NDF: 50.4/46

\- 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: 2054.597+/-0.636 χ^2/NDF:204152.8/6

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

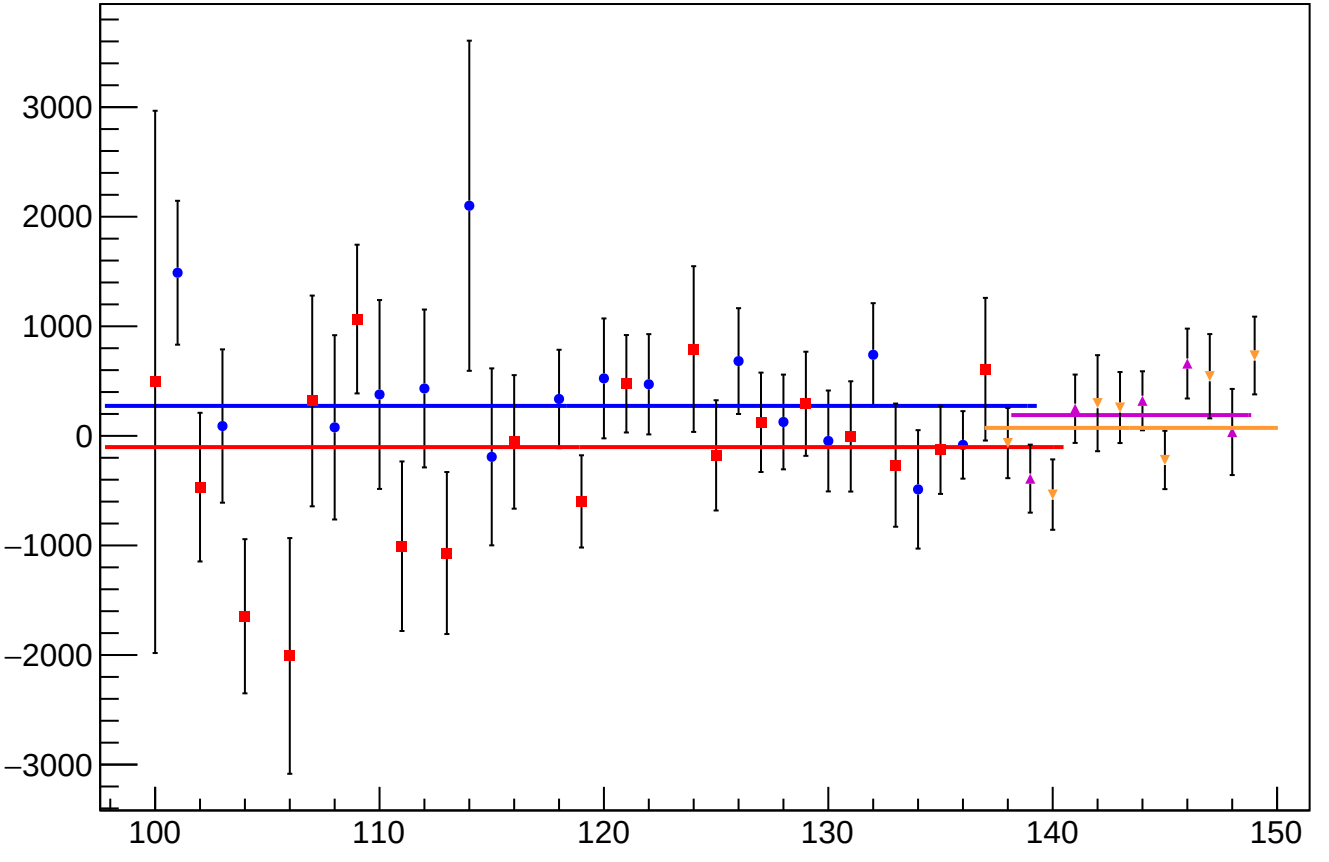
Left In: 2163.370+/-0.741 χ^2/NDF:152092.4/4

+ sign 2498.147+/-0.533 χ^2/NDF: 3099283.5/22

All: 2601.208+/-0.399 χ^2/NDF: 6227221.5/46

- 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: 72.828+/-126.003 χ^2/NDF:10.6/6

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

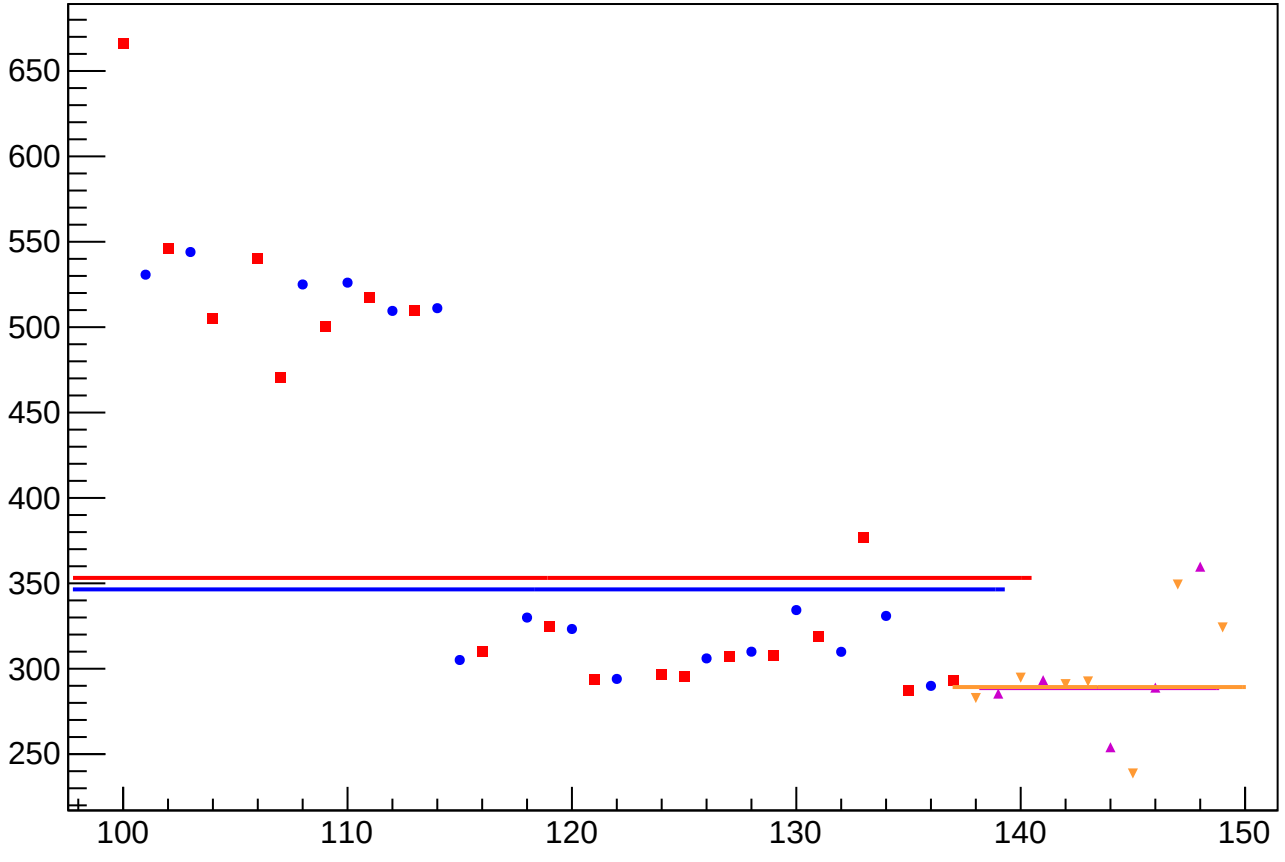
Left In: 189.642+/-140.359 χ^2/NDF:6.1/4

+ sign 168.135+/-91.320 χ^2/NDF: 23.2/22

All: 106.104+/-66.417 χ^2/NDF: 53.9/46

- 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: 289.266+/-0.089 χ^2/NDF:142039.4/6

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

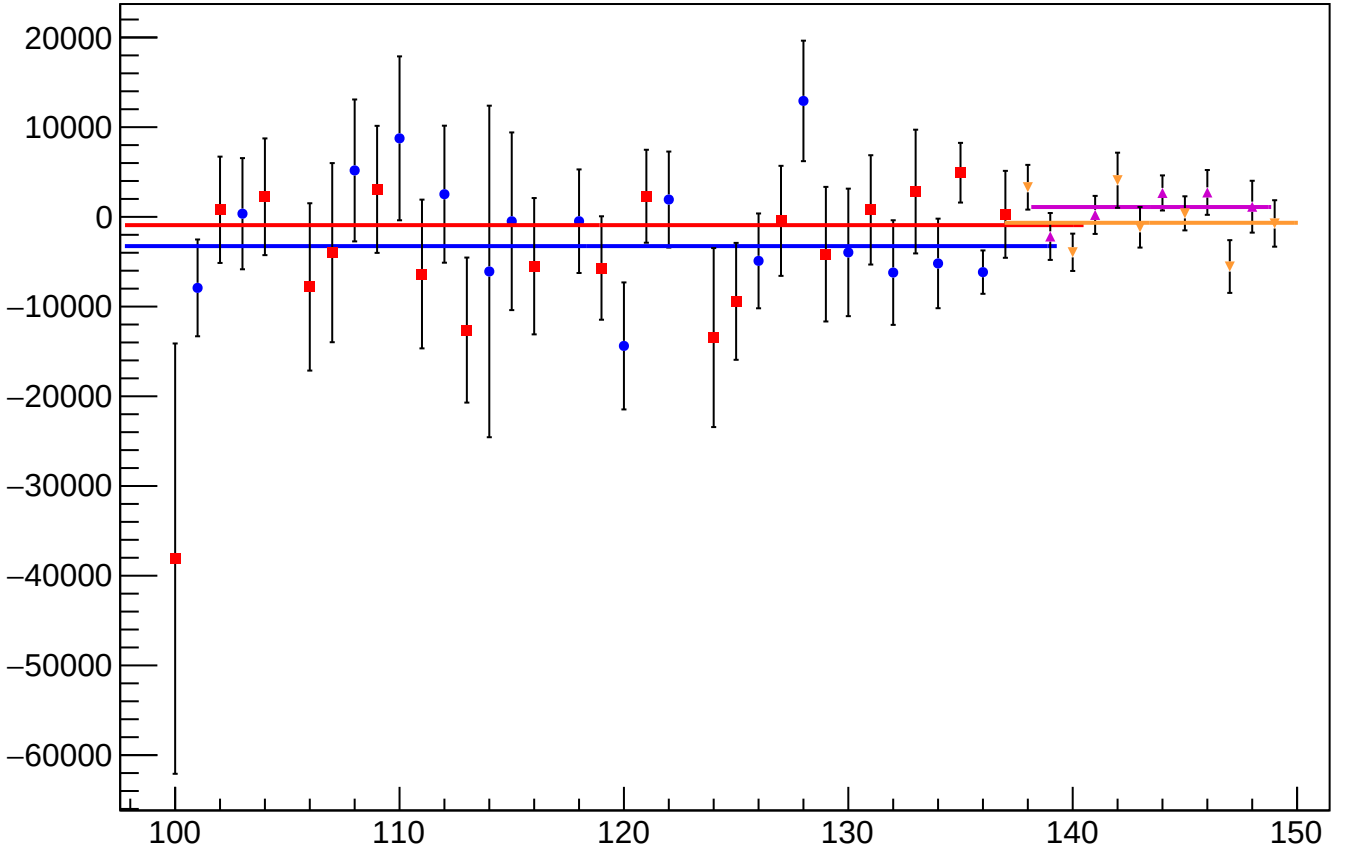
Left In: 288.651+/-0.099 χ^2/NDF:99146.6/4

+ sign 316.415+/-0.065 χ^2/NDF: 1106372.3/22

All: 319.283+/-0.047 χ^2/NDF: 2297811.5/46

- sign 322.503+/-0.068 χ^2/NDF: 1187252.0/23

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -660.523+/-899.689 χ^2/NDF:10.5/6

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

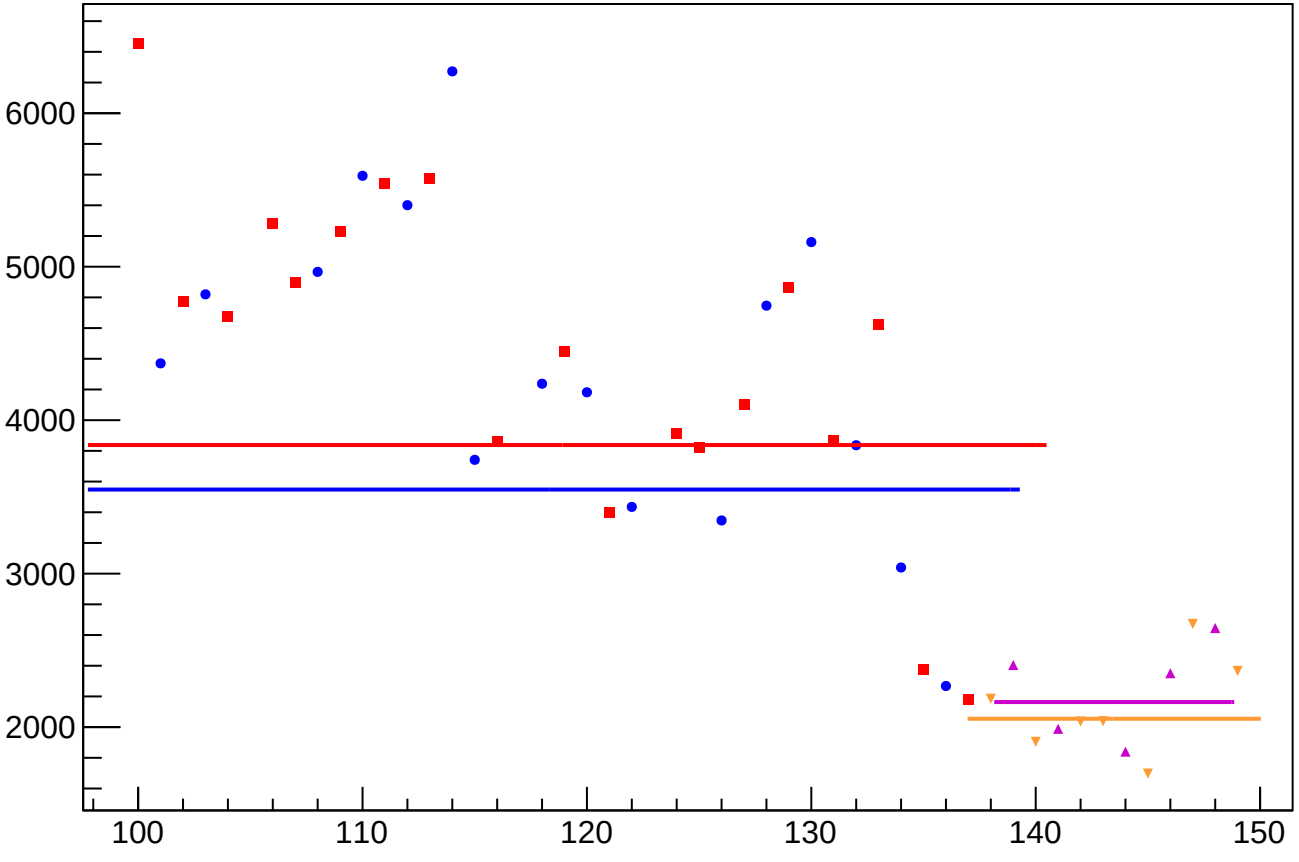
Left In: 1097.584+/-1048.186 χ^2/NDF:2.8/4

\+ sign -1432.251+/-754.338 χ^2/NDF: 29.0/22

All: -621.692+/-564.672 χ^2/NDF: 50.4/46

\- 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: 2054.595+/-0.636 χ^2/NDF:204155.5/6

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

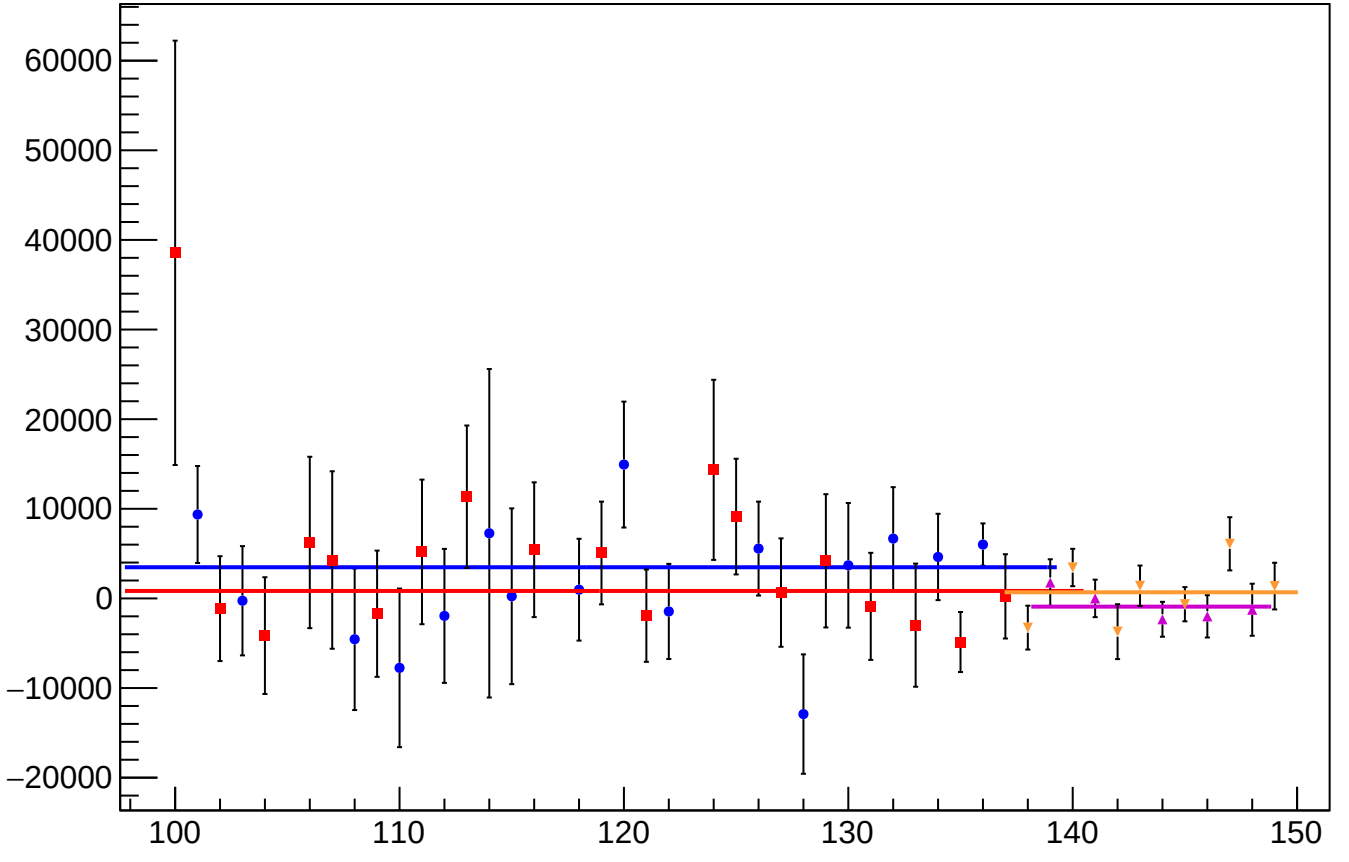
Left In: 2163.368+/-0.741 χ^2/NDF:152091.3/4

+ sign 2498.144+/-0.533 χ^2/NDF: 3099275.4/22

All: 2601.206+/-0.399 χ^2/NDF: 6227201.5/46

- 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: 686.534+/-899.858 χ^2/NDF:10.4/6

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

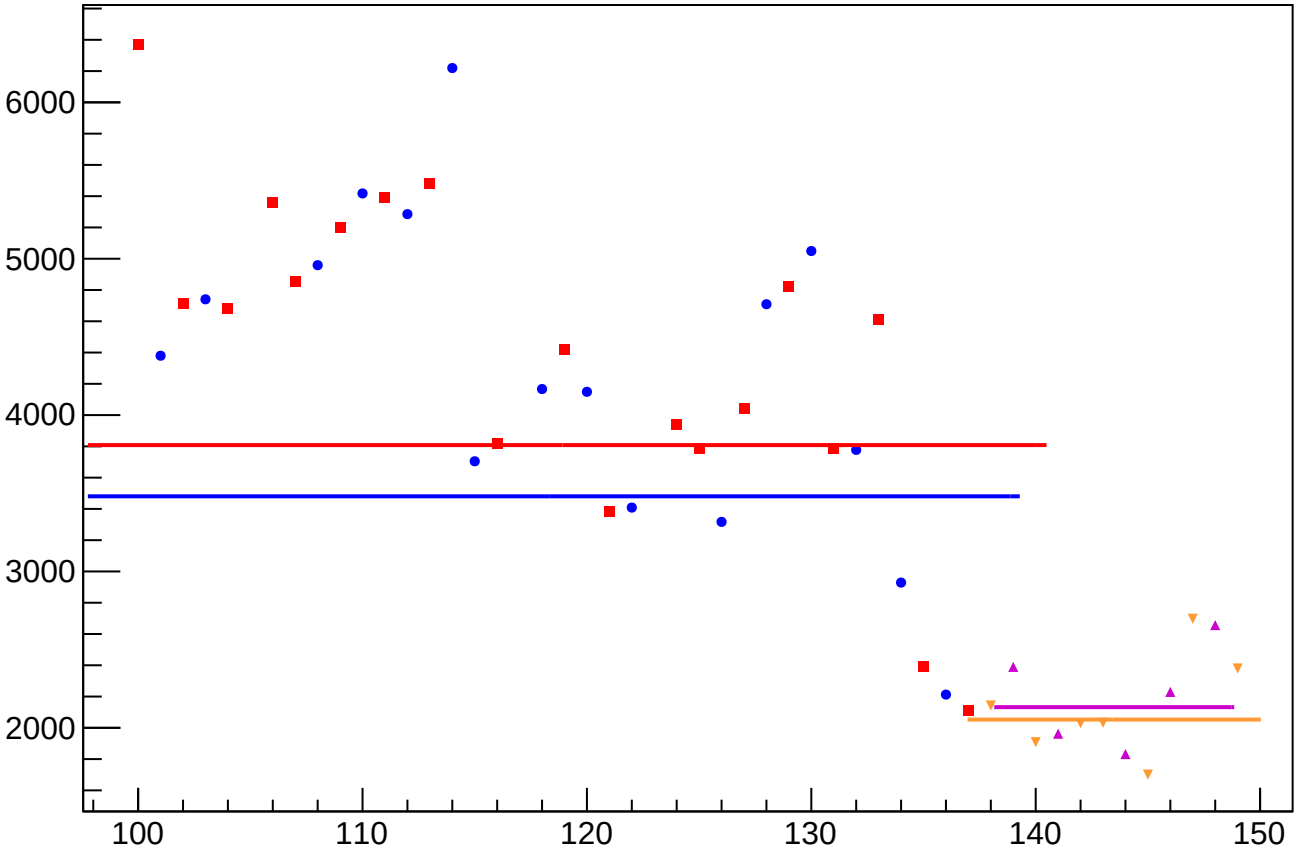
Left In: -916.623+/-1032.320 χ^2/NDF:2.0/4

\+ sign 1536.313+/-750.517 χ^2/NDF: 29.6/22

All: 709.670+/-559.932 χ^2/NDF: 49.4/46

\- 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: 2052.784+/-0.636 χ^2/NDF:206492.7/6

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

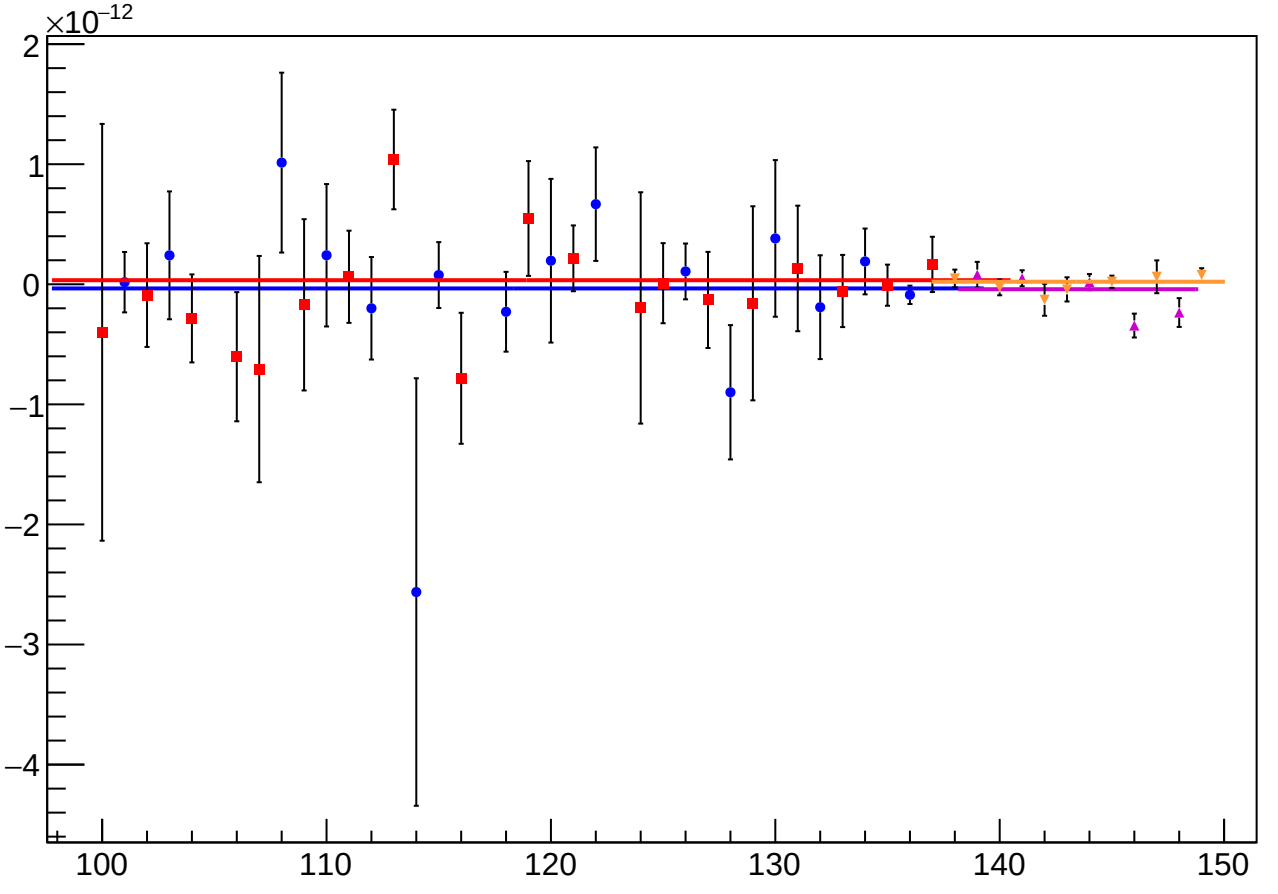
Left In: 2132.138+/-0.730 χ^2/NDF:149044.8/4

+ sign 2487.370+/-0.531 χ^2/NDF: 3035692.1/22

All: 2579.911+/-0.396 χ^2/NDF: 6174717.8/46

- 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:3.4/6

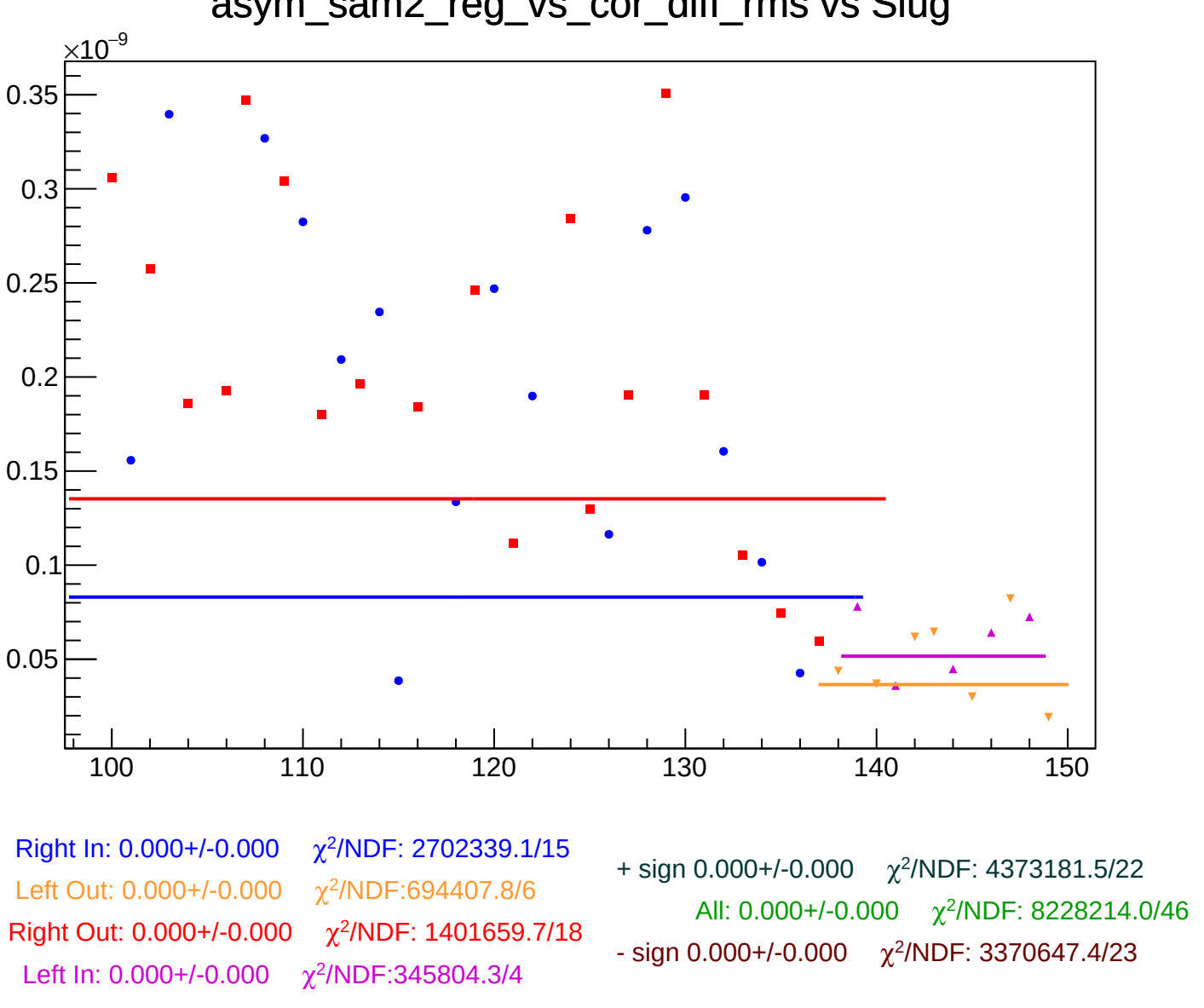
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

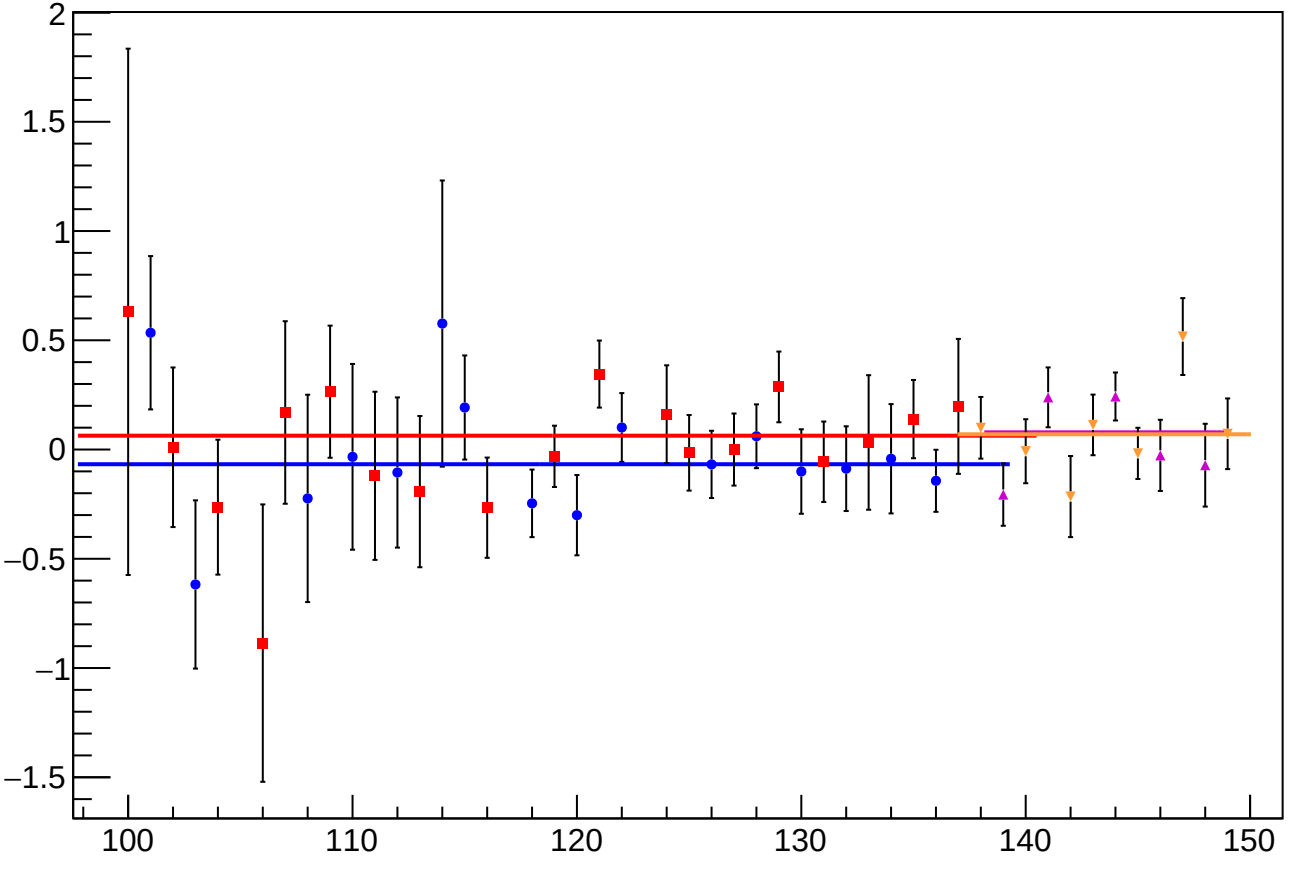
Left In: -0.000+/-0.000 χ^2/NDF:15.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 16.1/22

All: -0.000+/-0.000 χ^2/NDF: 47.0/46

- sign -0.000+/-0.000 χ^2/NDF: 30.0/23


asym_sam2_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2702339.1/15
Left Out: 0.000+/-0.000 χ²/NDF:694407.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 1401659.7/18
Left In: 0.000+/-0.000 χ²/NDF:345804.3/4
+ sign 0.000+/-0.000 χ²/NDF: 4373181.5/22
All: 0.000+/-0.000 χ²/NDF: 8228214.0/46
- sign 0.000+/-0.000 χ²/NDF: 3370647.4/23



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.070+/-0.056 χ^2/NDF:9.8/6

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

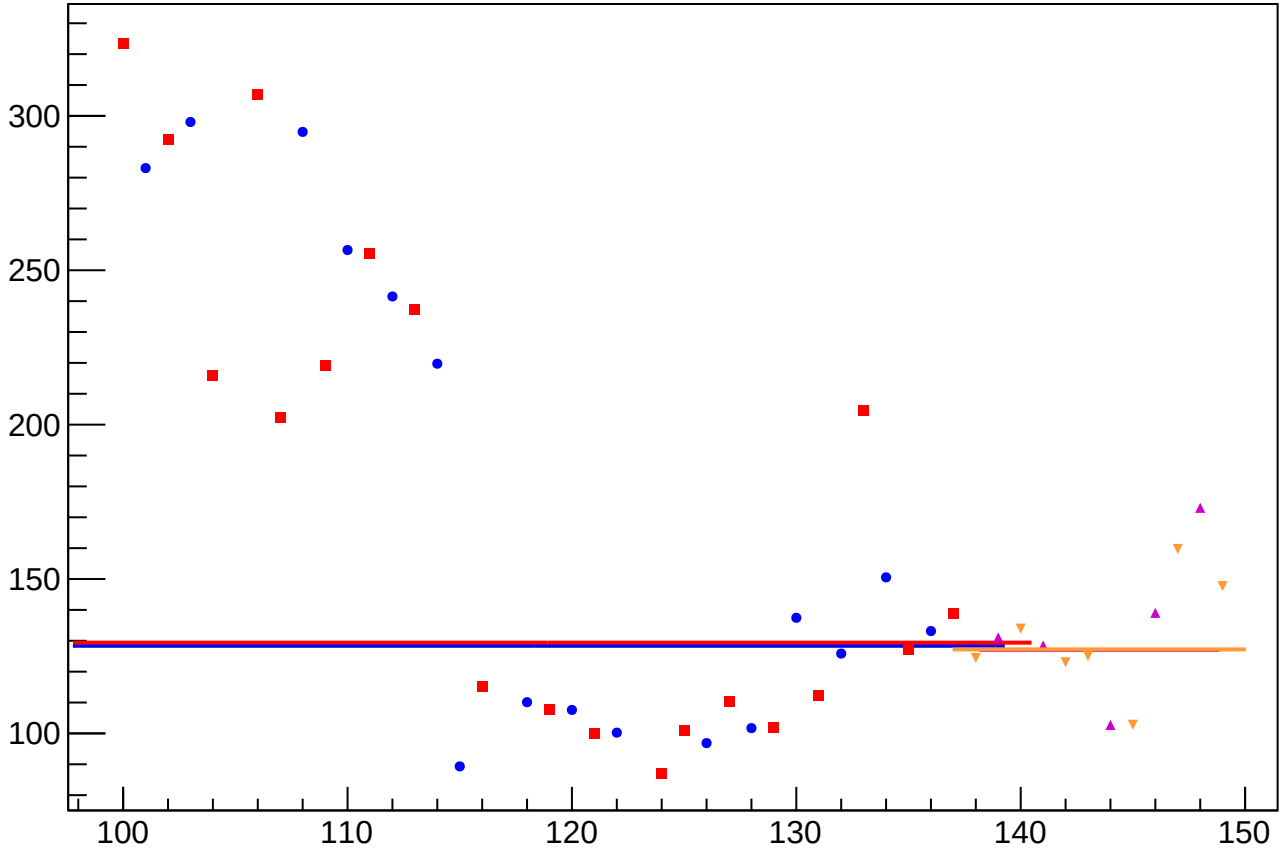
Left In: 0.079+/-0.063 χ^2/NDF:8.6/4

+ sign -0.004+/-0.038 χ^2/NDF: 25.5/22

All: 0.031+/-0.028 χ^2/NDF: 50.0/46

- 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: 127.201+/-0.039 χ^2/NDF:193805.5/6

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

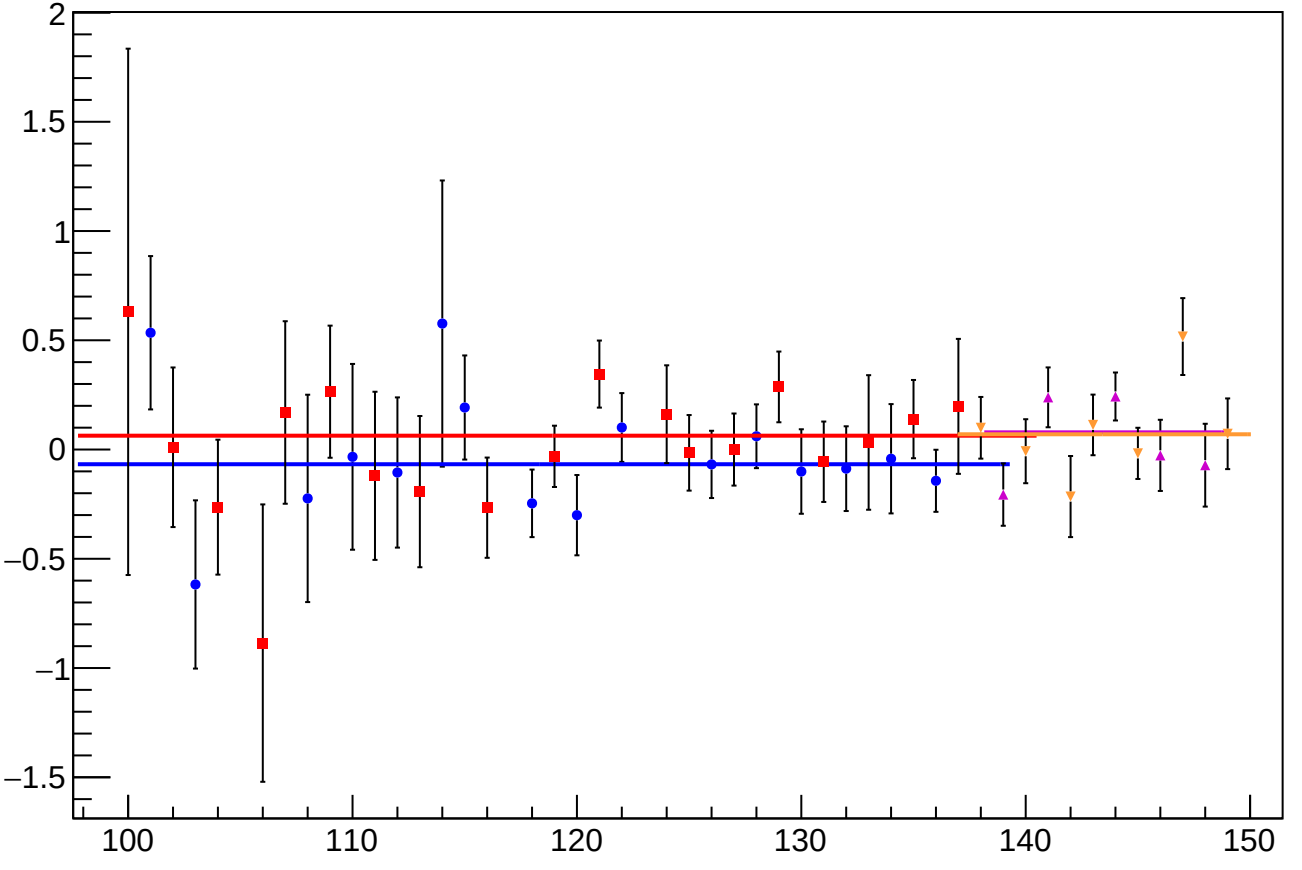
Left In: 127.024+/-0.045 χ^2/NDF:228569.8/4

+ sign 127.834+/-0.027 χ^2/NDF: 1999363.7/22

All: 128.125+/-0.019 χ^2/NDF: 4118148.4/46

- sign 128.447+/-0.028 χ^2/NDF: 2118537.3/23

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.070+/-0.056 χ^2/NDF:9.8/6

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

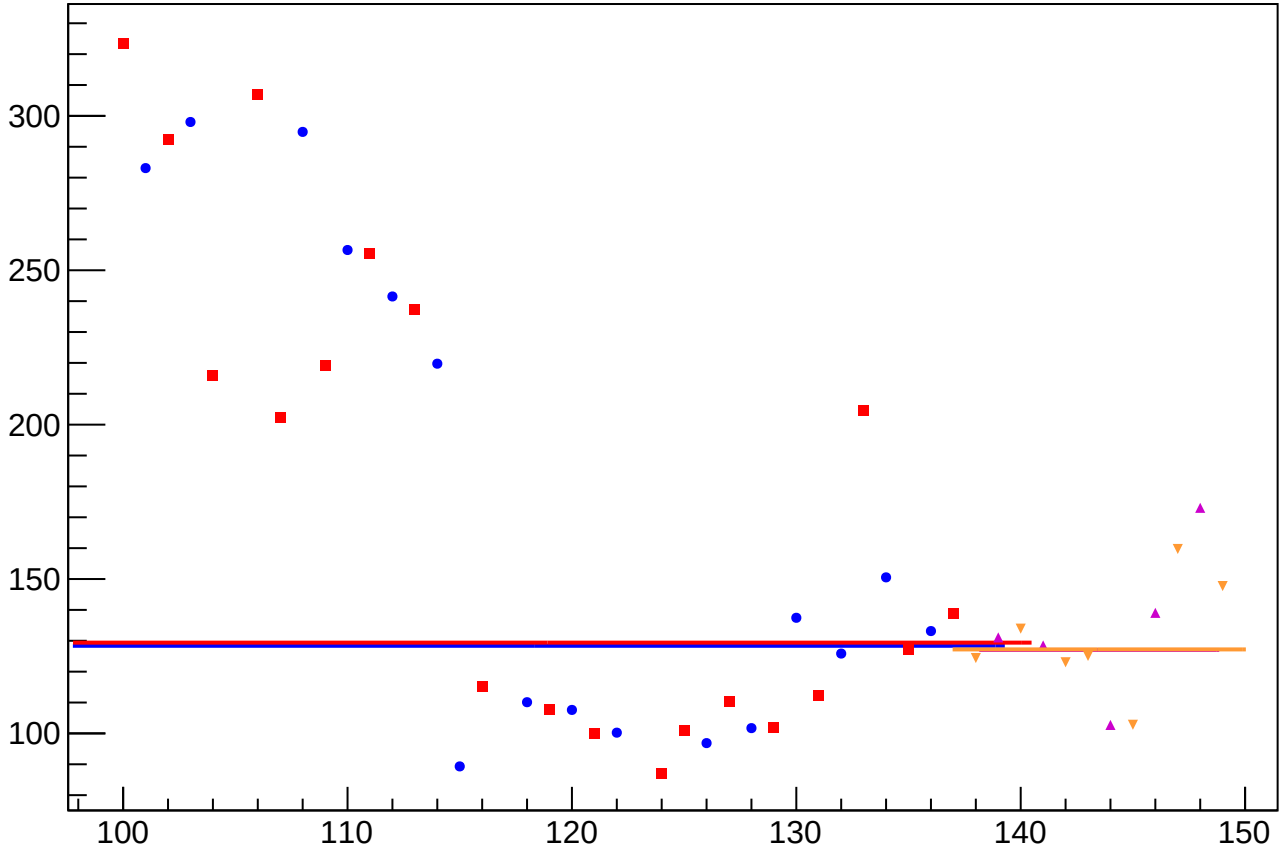
Left In: 0.079+/-0.063 χ^2/NDF:8.6/4

+ sign -0.004+/-0.038 χ^2/NDF: 25.5/22

All: 0.031+/-0.028 χ^2/NDF: 50.0/46

- 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: 127.201+/-0.039 χ^2/NDF:193805.5/6

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

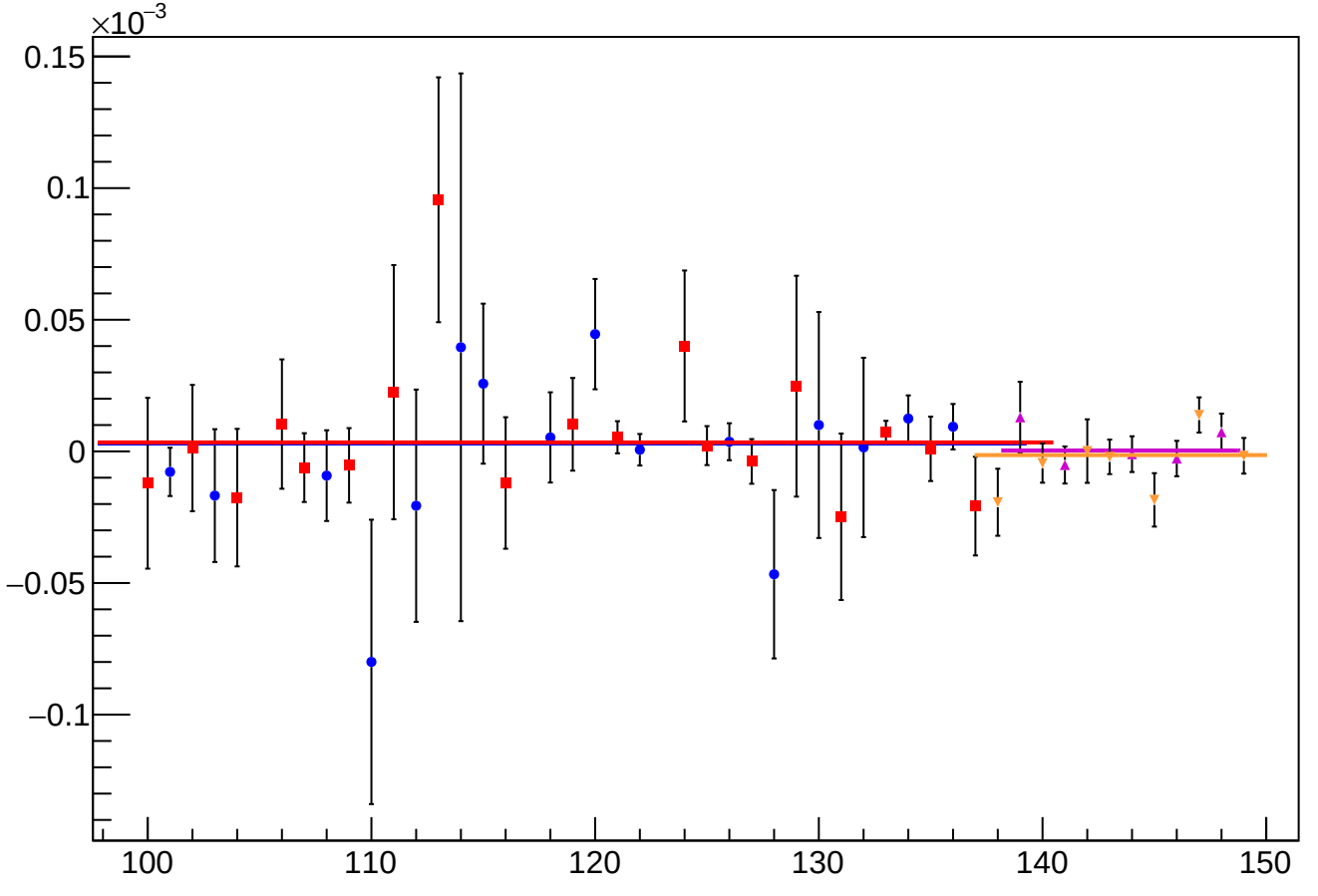
Left In: 127.024+/-0.045 χ^2/NDF:228569.8/4

+ sign 127.834+/-0.027 χ^2/NDF: 1999363.7/22

All: 128.125+/-0.019 χ^2/NDF: 4118148.4/46

- 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:10.2/6

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

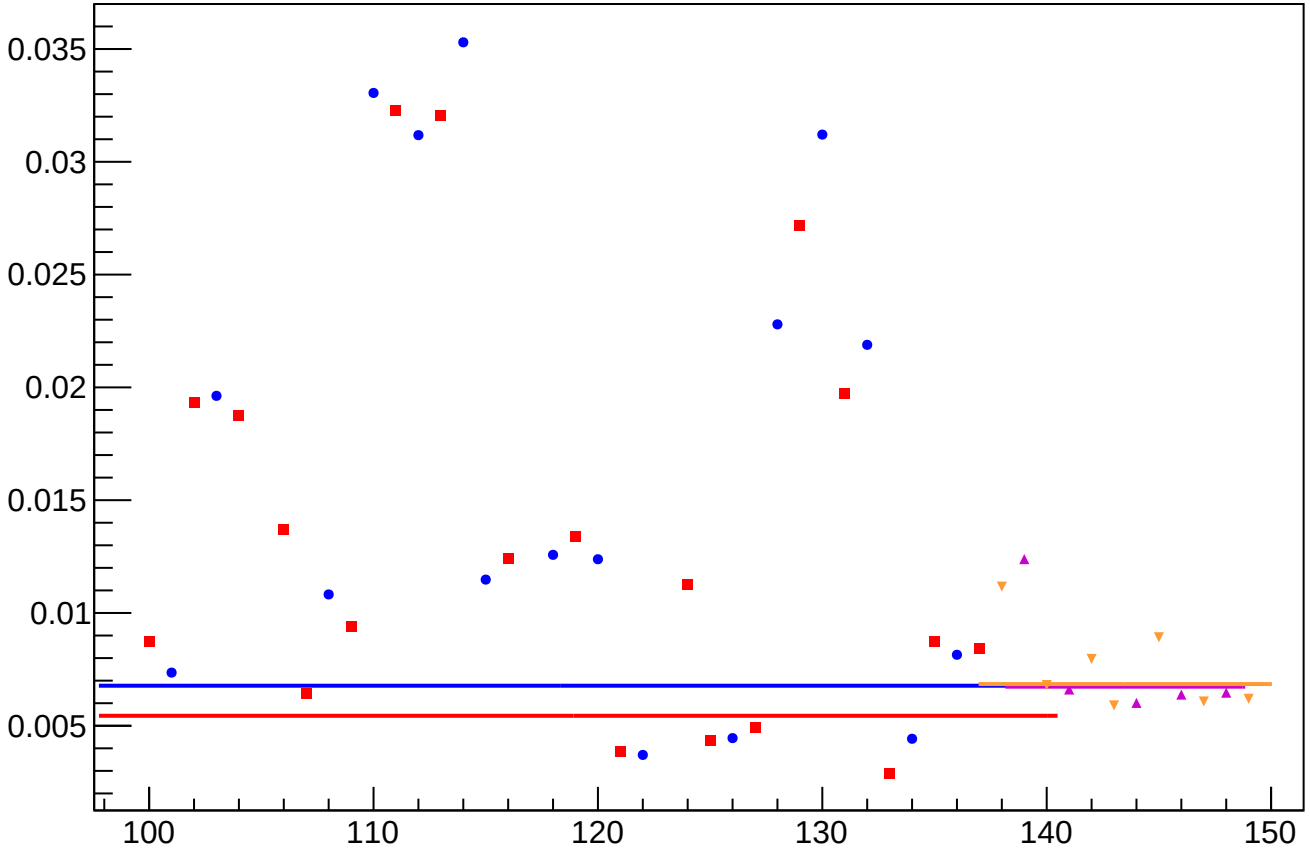
Left In: 0.000+/-0.000 χ^2/NDF:2.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 25.3/22

All: 0.000+/-0.000 χ^2/NDF: 41.4/46

- 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:417649.5/6

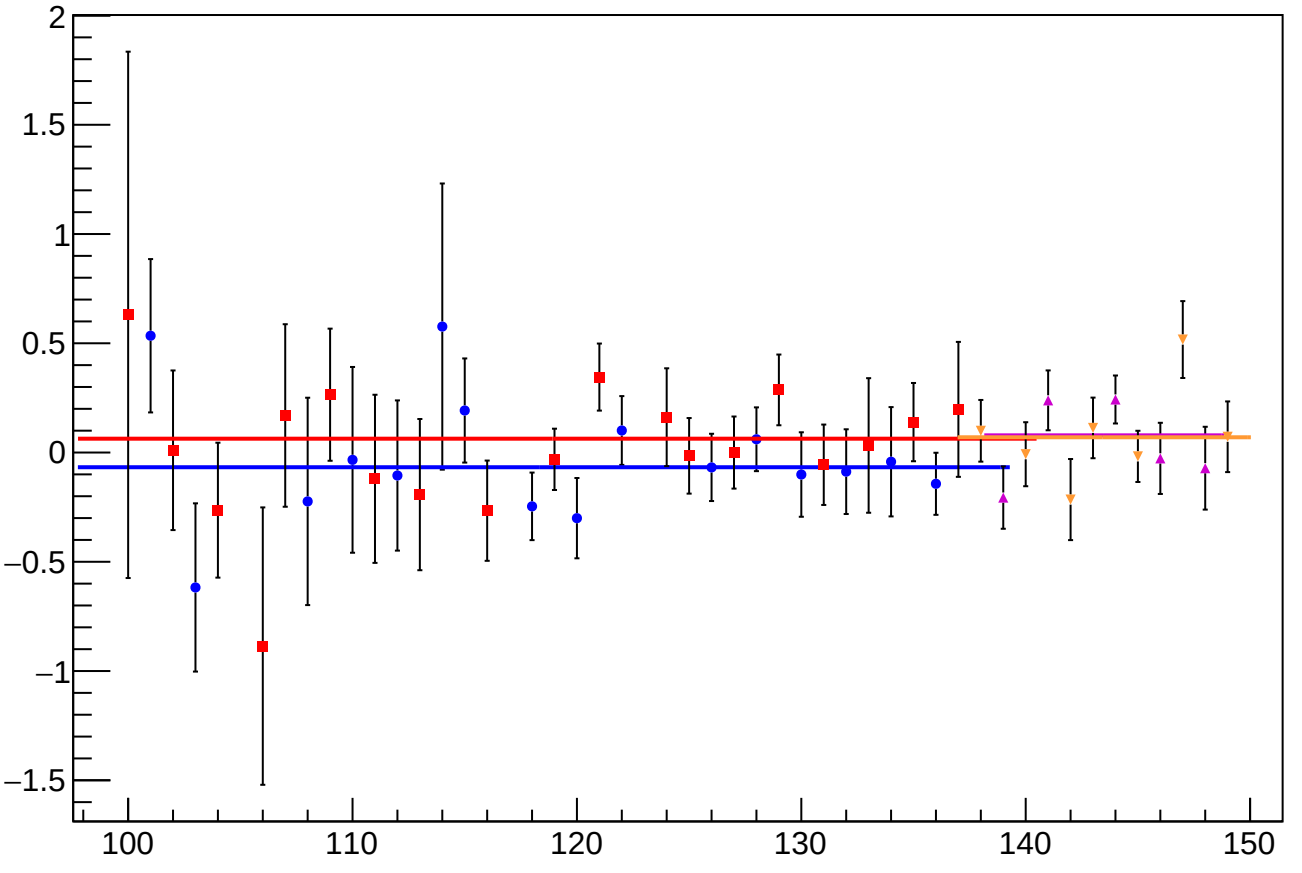
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.007+/-0.000 χ^2/NDF:383608.5/4

+ sign 0.007+/-0.000 χ^2/NDF: 5190491.3/22

All: 0.006+/-0.000 χ^2/NDF: 11507065.3/46

- 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: 0.070+/-0.056 χ^2/NDF:9.8/6

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

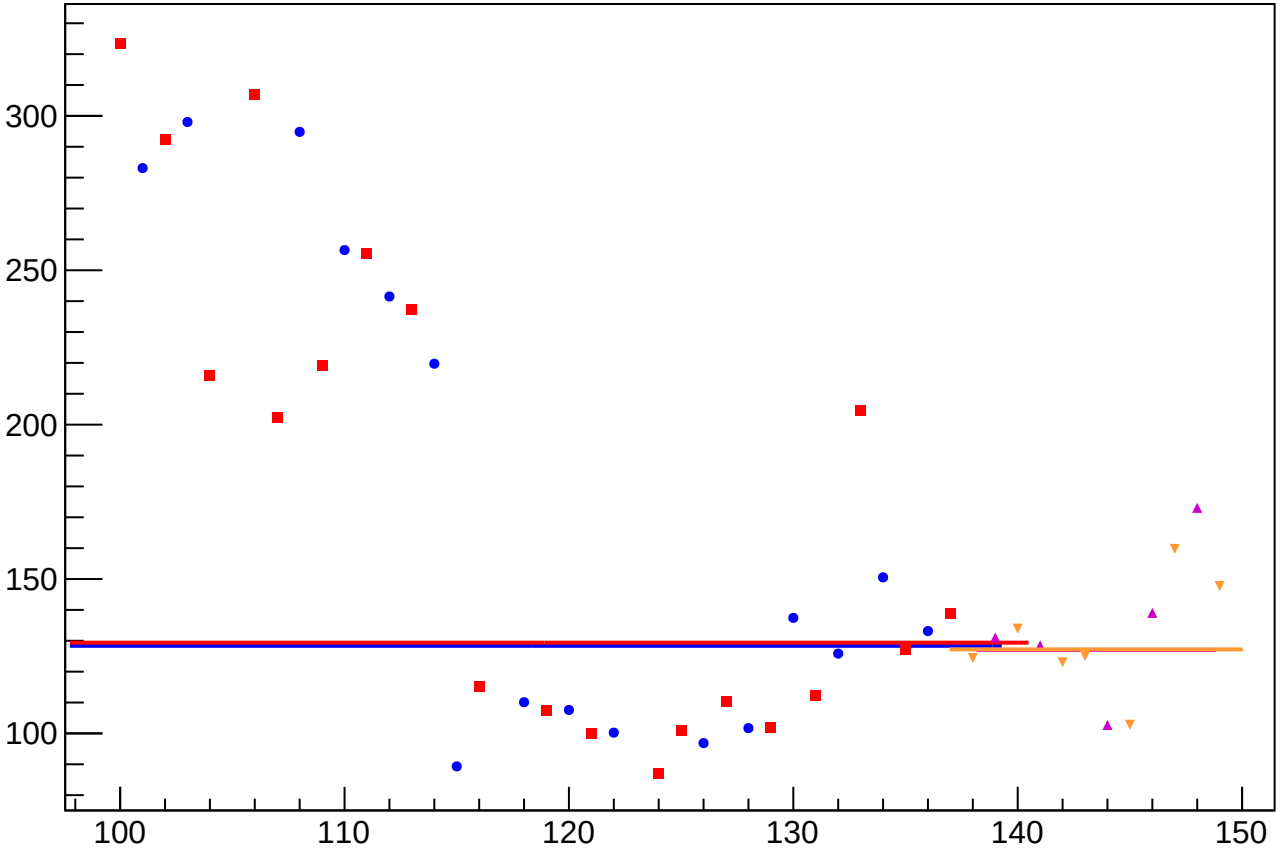
Left In: 0.079+/-0.063 χ^2/NDF:8.6/4

+ sign -0.004+/-0.038 χ^2/NDF: 25.5/22

All: 0.031+/-0.028 χ^2/NDF: 50.0/46

- 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: 127.201+/-0.039 χ^2/NDF:193816.6/6

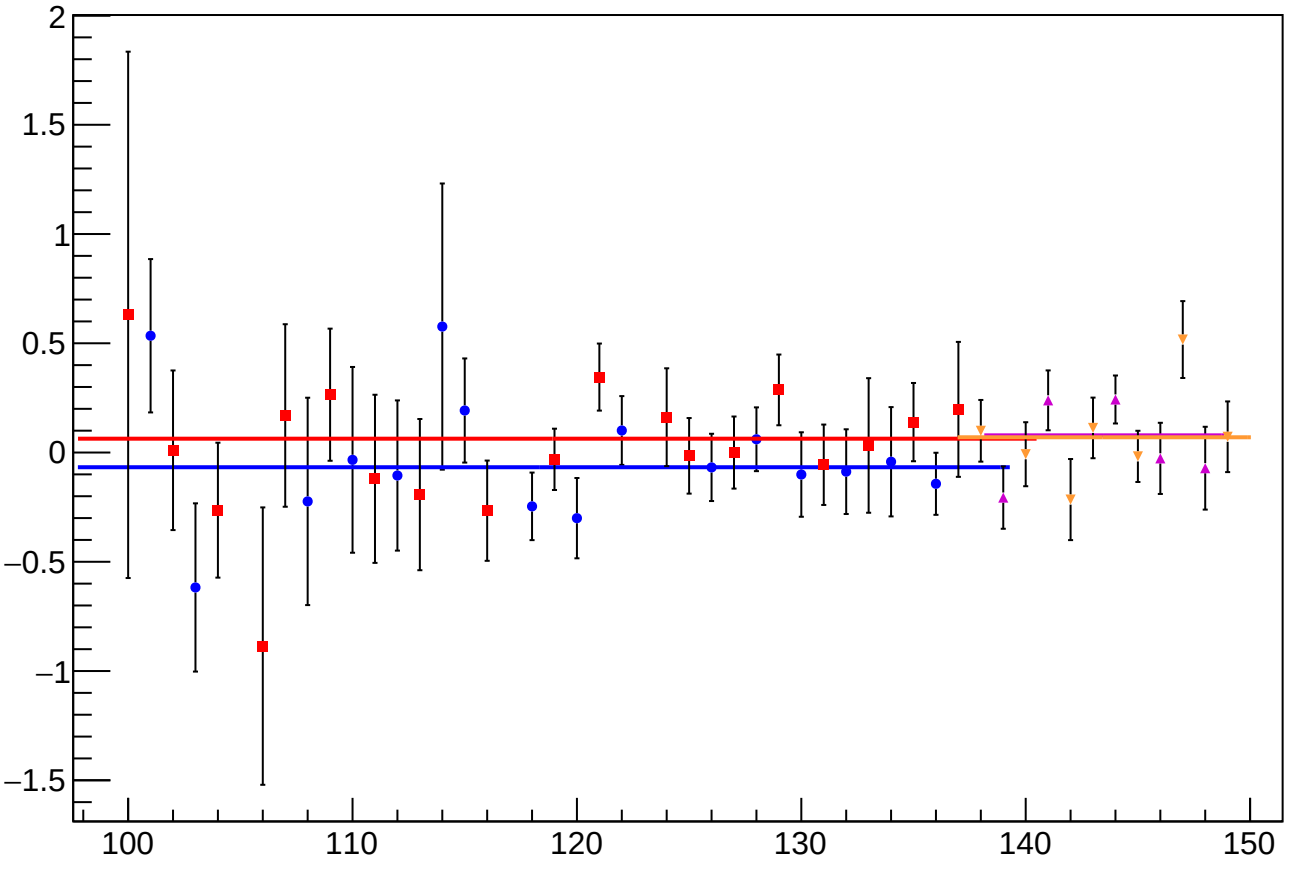
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 127.024+/-0.045 χ^2/NDF:228567.1/4

+ sign 127.833+/-0.027 χ^2/NDF: 1999320.5/22

All: 128.123+/-0.019 χ^2/NDF: 4118099.3/46

- 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: 0.070+/-0.056 χ^2/NDF:9.8/6

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

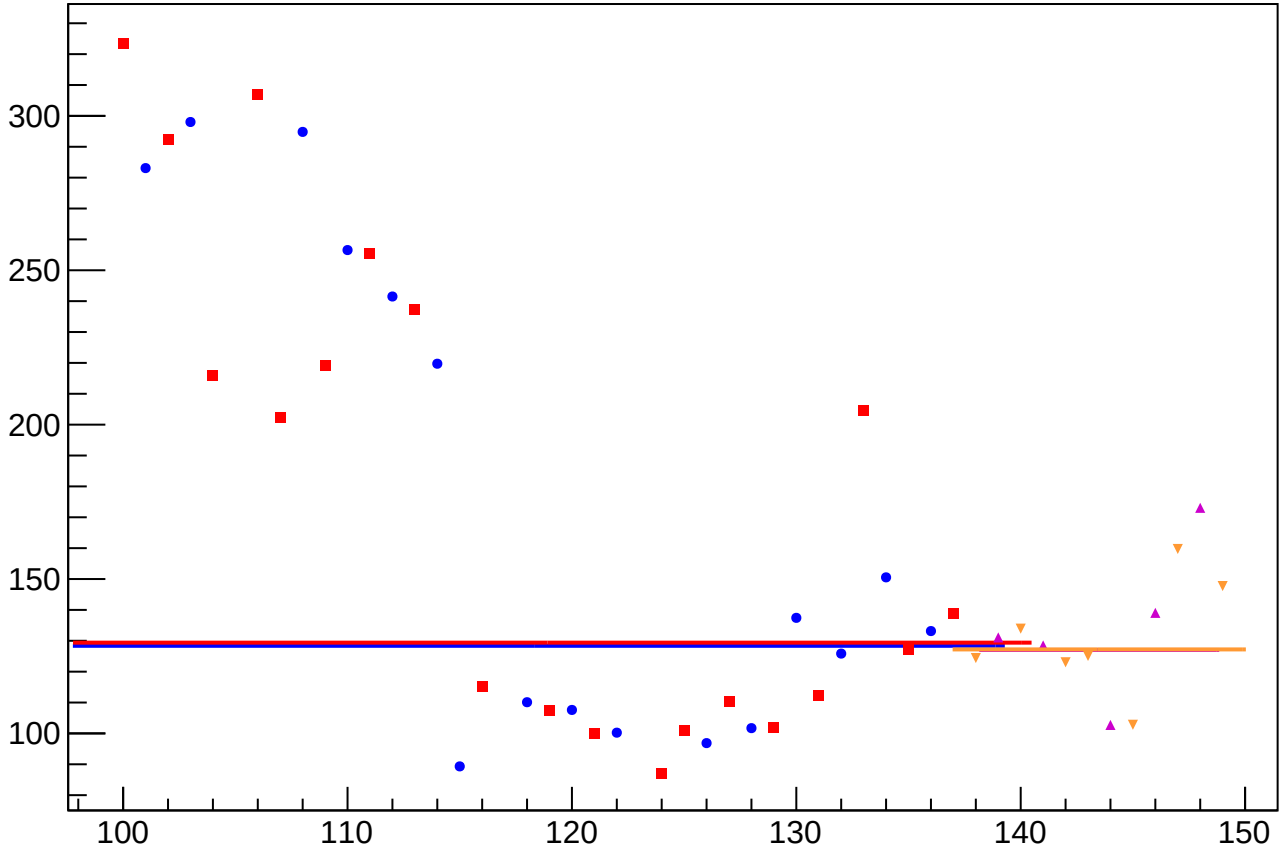
Left In: 0.079+/-0.063 χ^2/NDF:8.6/4

+ sign -0.004+/-0.038 χ^2/NDF: 25.5/22

All: 0.031+/-0.028 χ^2/NDF: 50.0/46

- sign 0.069+/-0.040 χ^2/NDF: 22.7/23

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 127.201+/-0.039 χ^2/NDF:193816.6/6

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

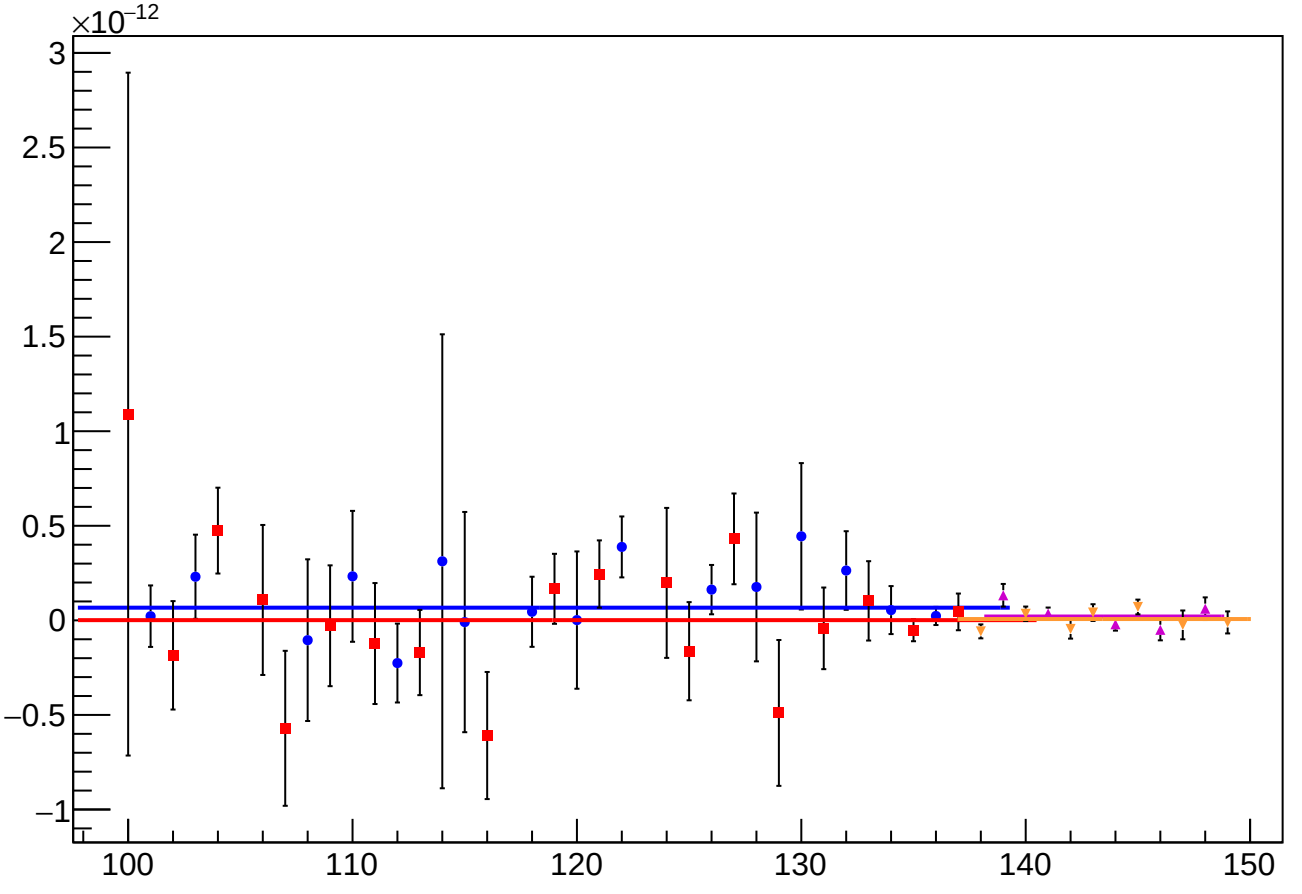
Left In: 127.024+/-0.045 χ^2/NDF:228567.1/4

+ sign 127.833+/-0.027 χ^2/NDF: 1999320.5/22

All: 128.123+/-0.019 χ^2/NDF: 4118099.3/46

- 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:8.3/6

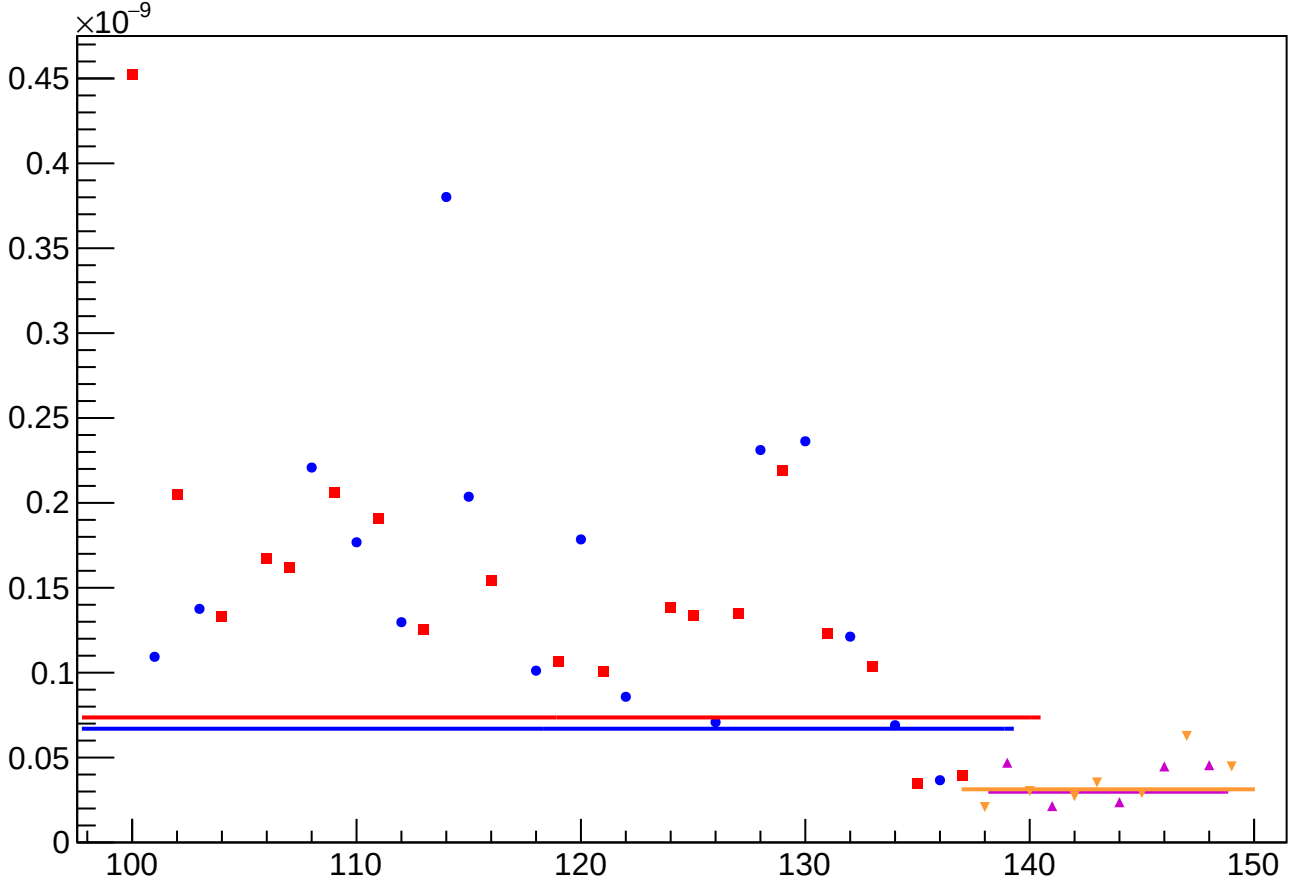
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 20.9/22

All: 0.000+/-0.000 χ^2/NDF: 49.0/46

- 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:645427.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

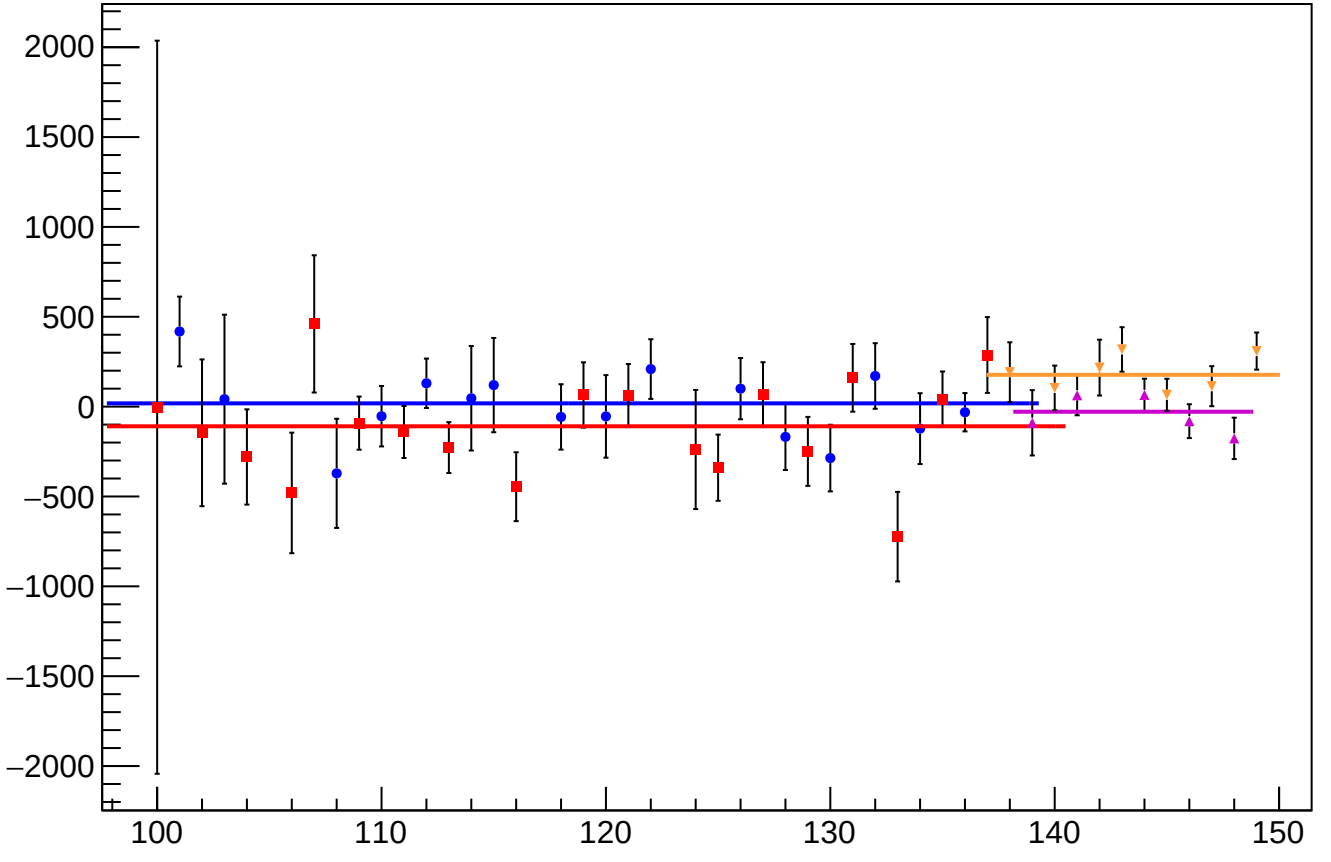
Left In: 0.000+/-0.000 χ^2/NDF:651703.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 5423149.3/22

All: 0.000+/-0.000 χ^2/NDF: 11728996.2/46

- 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: 176.941+/-44.350 χ^2/NDF:5.2/6

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

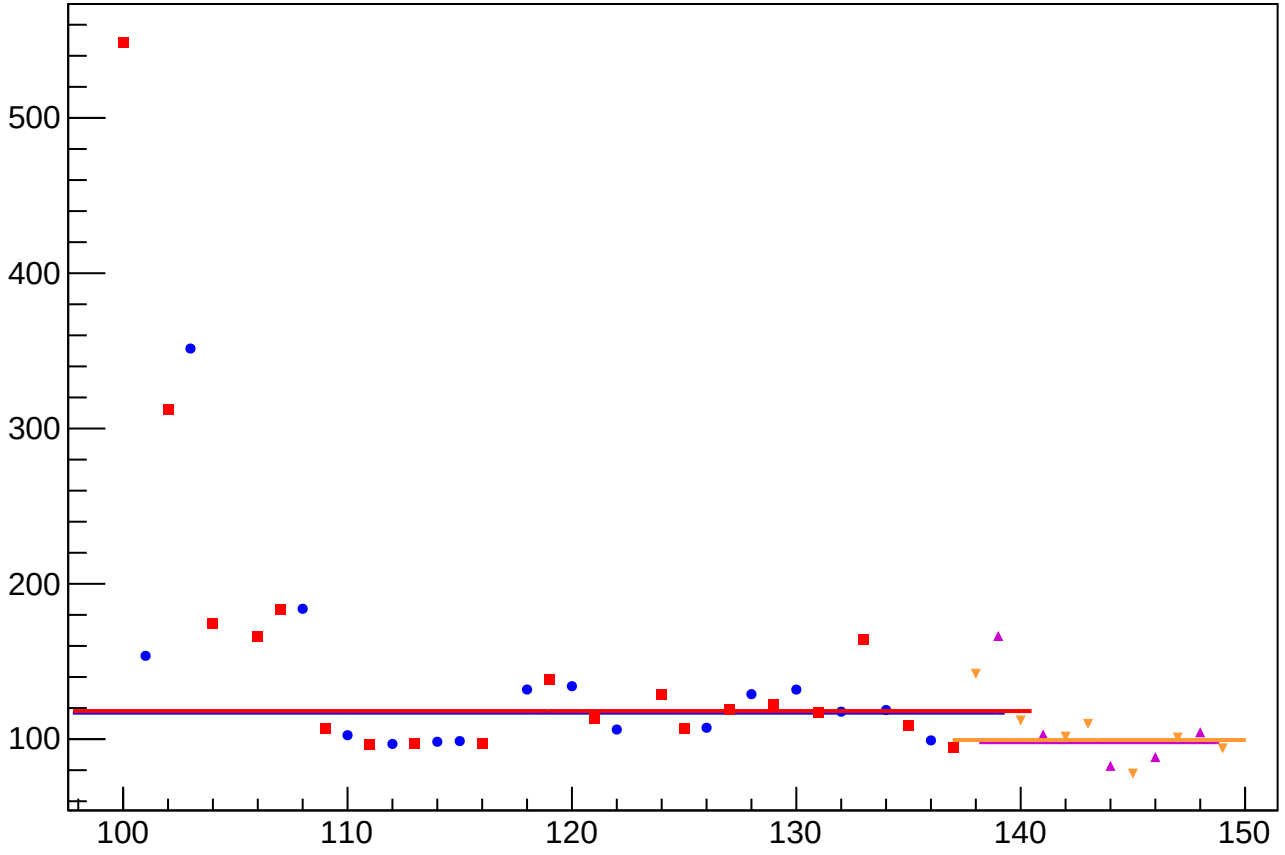
Left In: -28.437+/-48.684 χ^2/NDF:3.8/4

+ sign 99.958+/-31.828 χ^2/NDF: 25.3/22

All: 18.332+/-23.031 χ^2/NDF: 69.9/46

- 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: 99.416+/-0.031 χ^2/NDF:290910.9/6

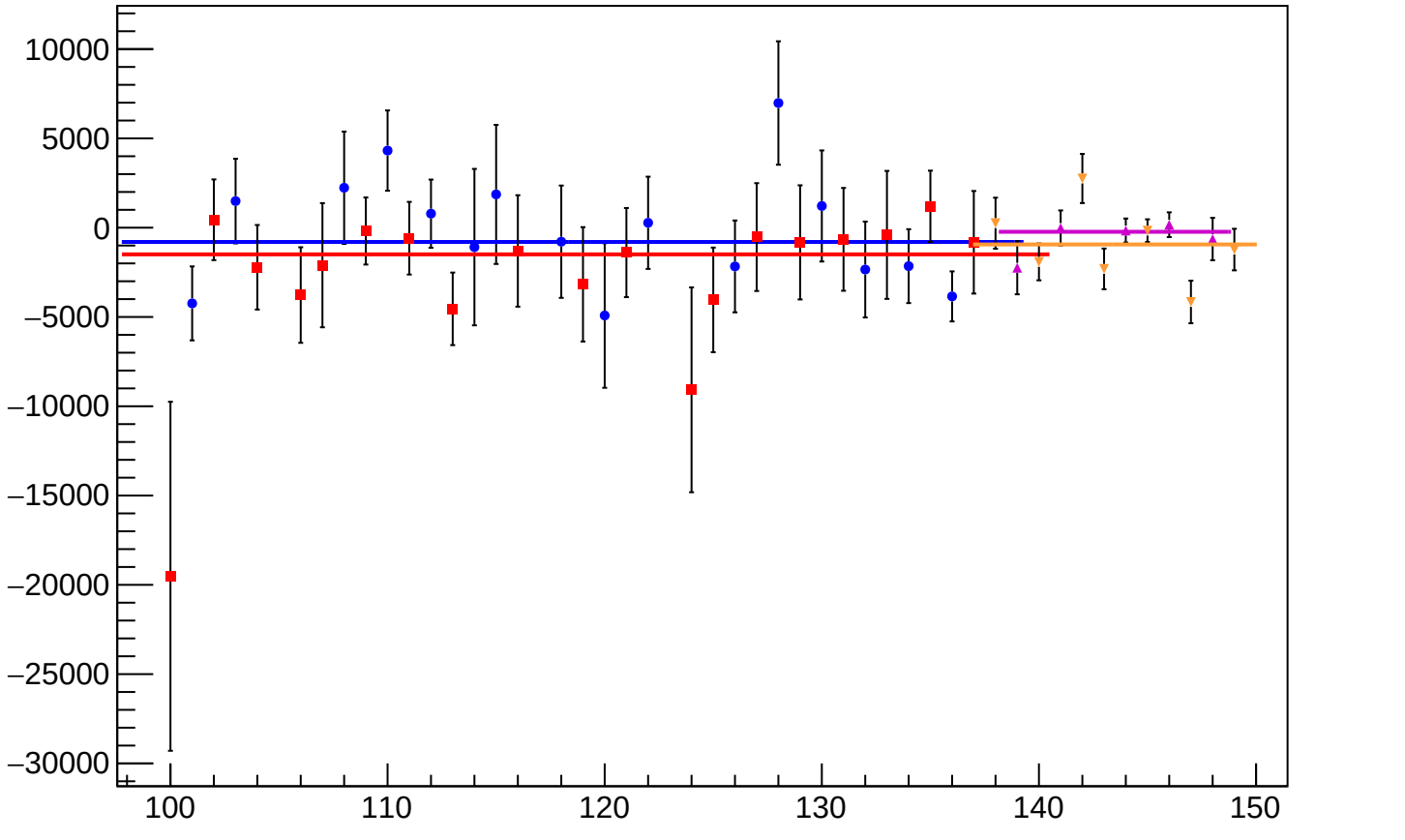
Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 98.032+/-0.034 χ^2/NDF:371516.0/4

+ sign 107.974+/-0.023 χ^2/NDF: 1302865.1/22

All: 108.296+/-0.016 χ^2/NDF: 2844986.5/46

- 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: -939.192+/-387.819 χ^2/NDF:19.1/6

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

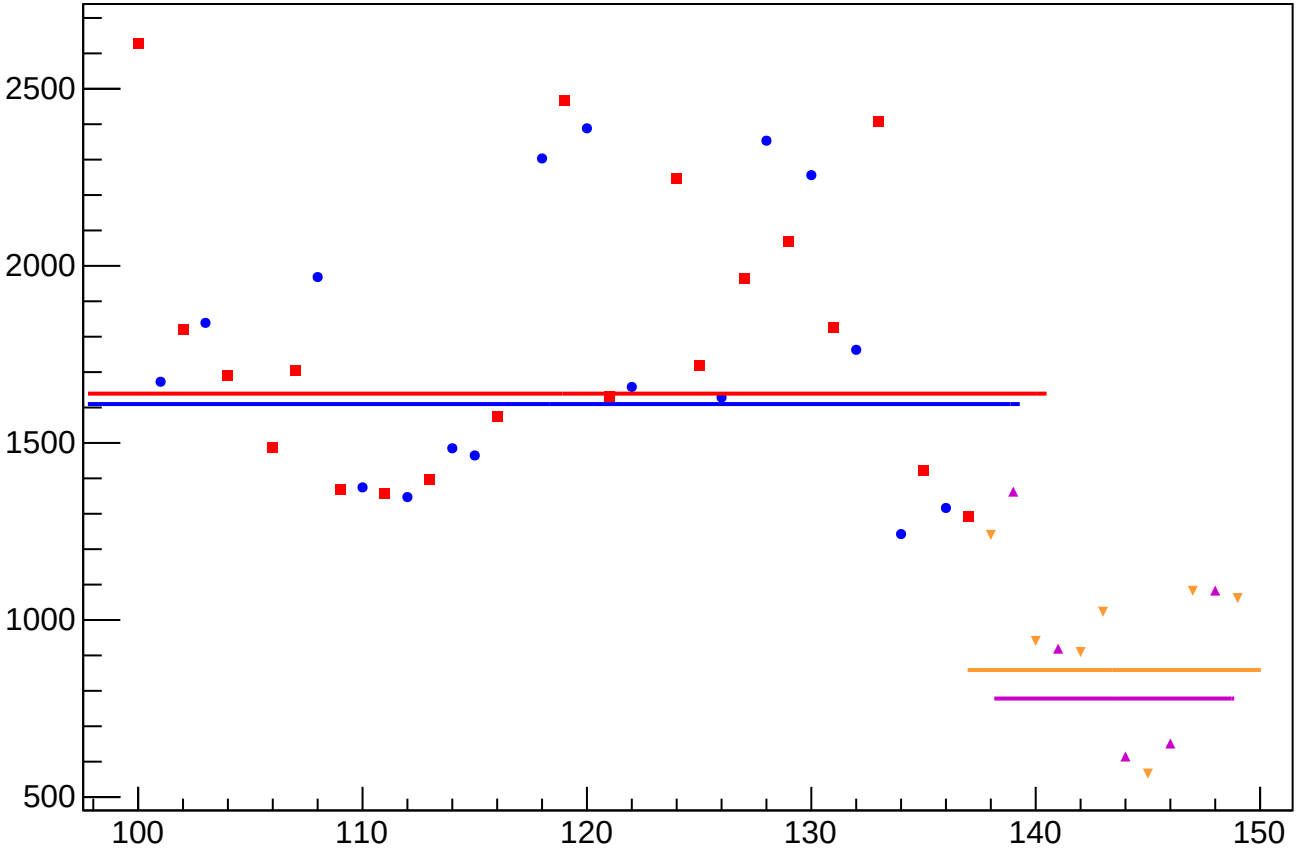
Left In: -229.980+/-392.347 χ^2/NDF:2.3/4

\+ sign -899.436+/-328.194 χ^2/NDF: 42.6/22

All: -749.364+/-232.869 χ^2/NDF: 61.2/46

\- 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: 858.770+/-0.274 χ^2/NDF:755516.3/6

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

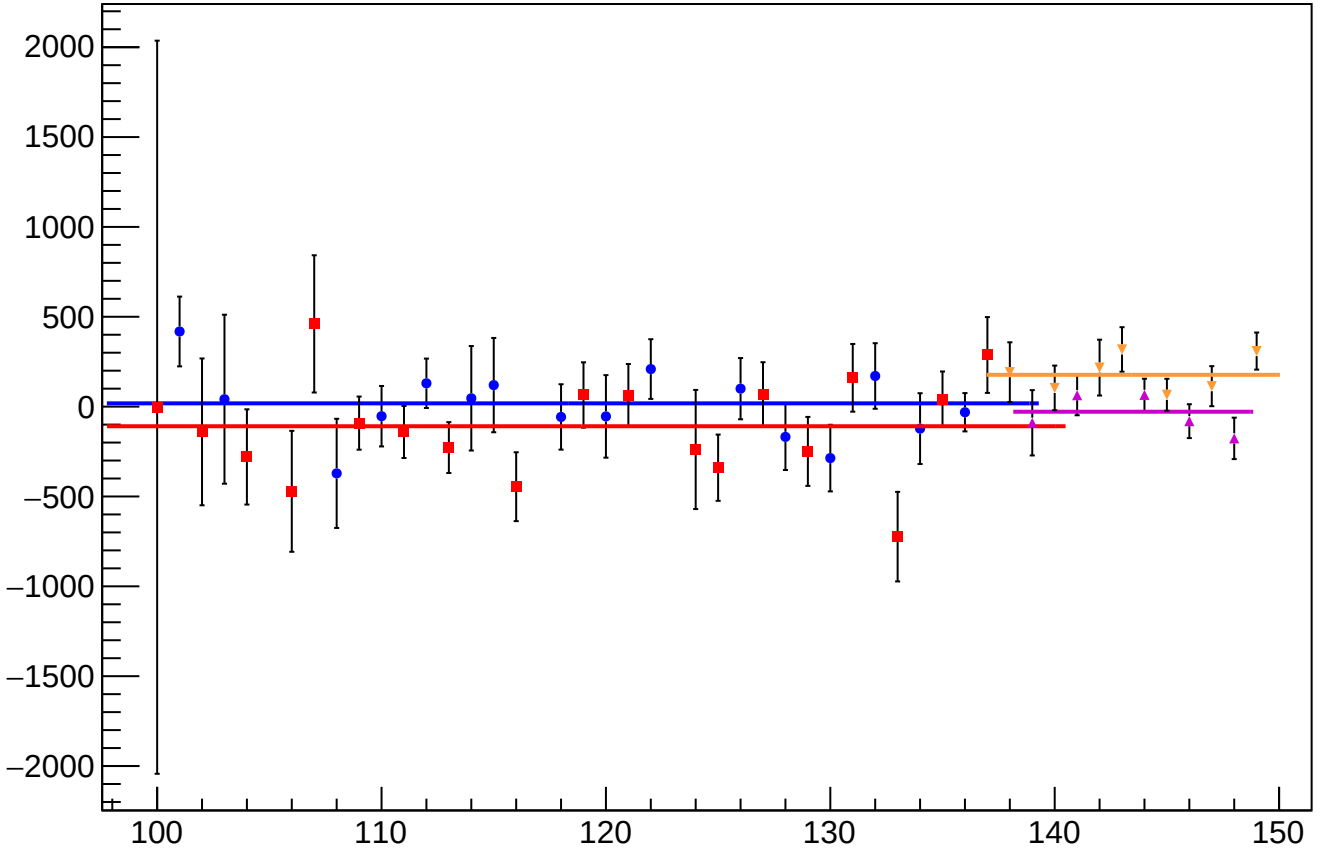
Left In: 778.280+/-0.277 χ^2/NDF:667927.6/4

+ sign 1071.944+/-0.232 χ^2/NDF: 3503534.7/22

All: 1050.335+/-0.165 χ^2/NDF: 7507219.7/46

- 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: 176.950+/-44.350 χ^2/NDF:5.2/6

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

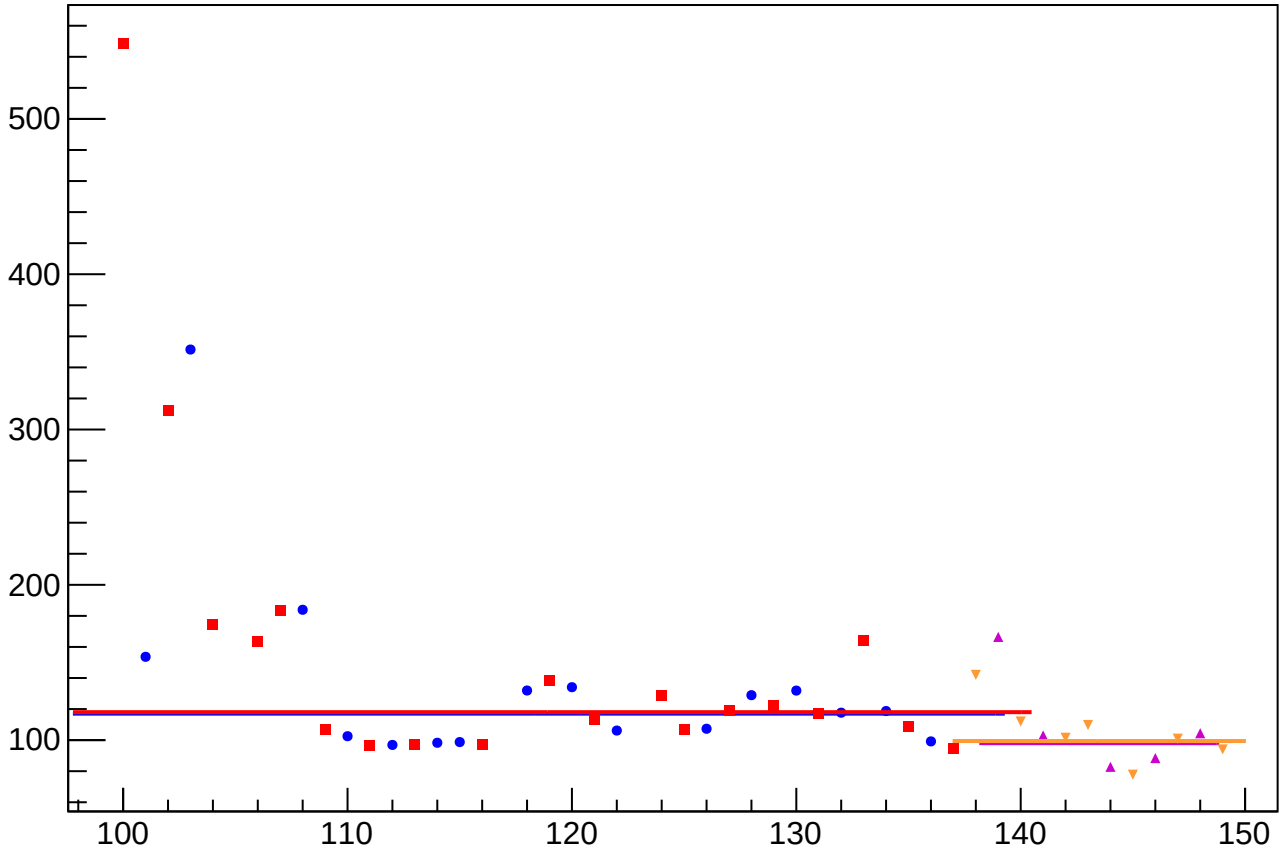
Left In: -28.439+/-48.684 χ^2/NDF:3.8/4

+ sign 99.957+/-31.828 χ^2/NDF: 25.3/22

All: 18.406+/-23.031 χ^2/NDF: 69.8/46

- 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: 99.416+/-0.031 χ^2/NDF:290910.9/6

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

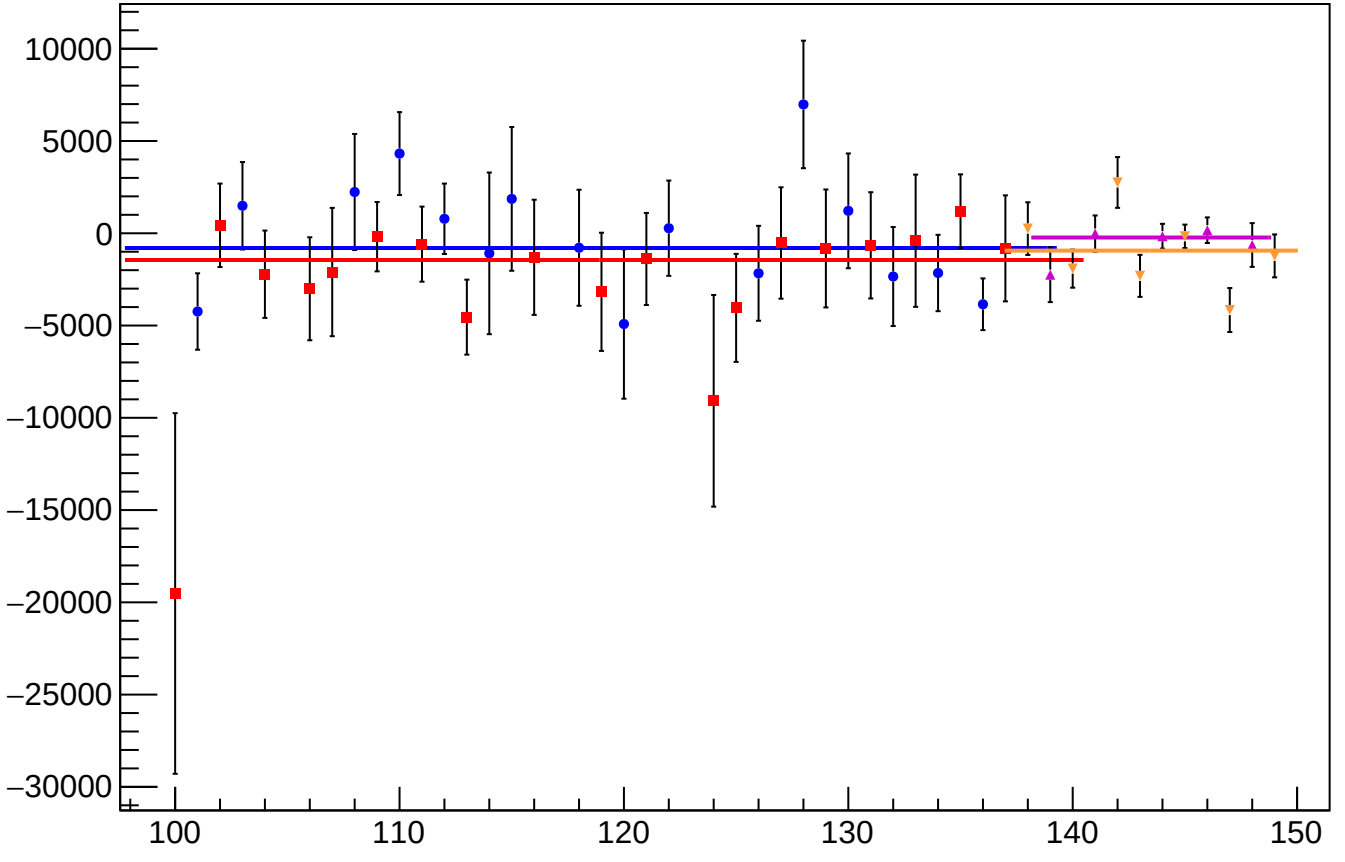
Left In: 98.032+/-0.034 χ^2/NDF:371516.0/4

+ sign 107.974+/-0.023 χ^2/NDF: 1302867.0/22

All: 108.283+/-0.016 χ^2/NDF: 2839821.4/46

- 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: -939.184+/-387.818 χ^2/NDF:19.1/6

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

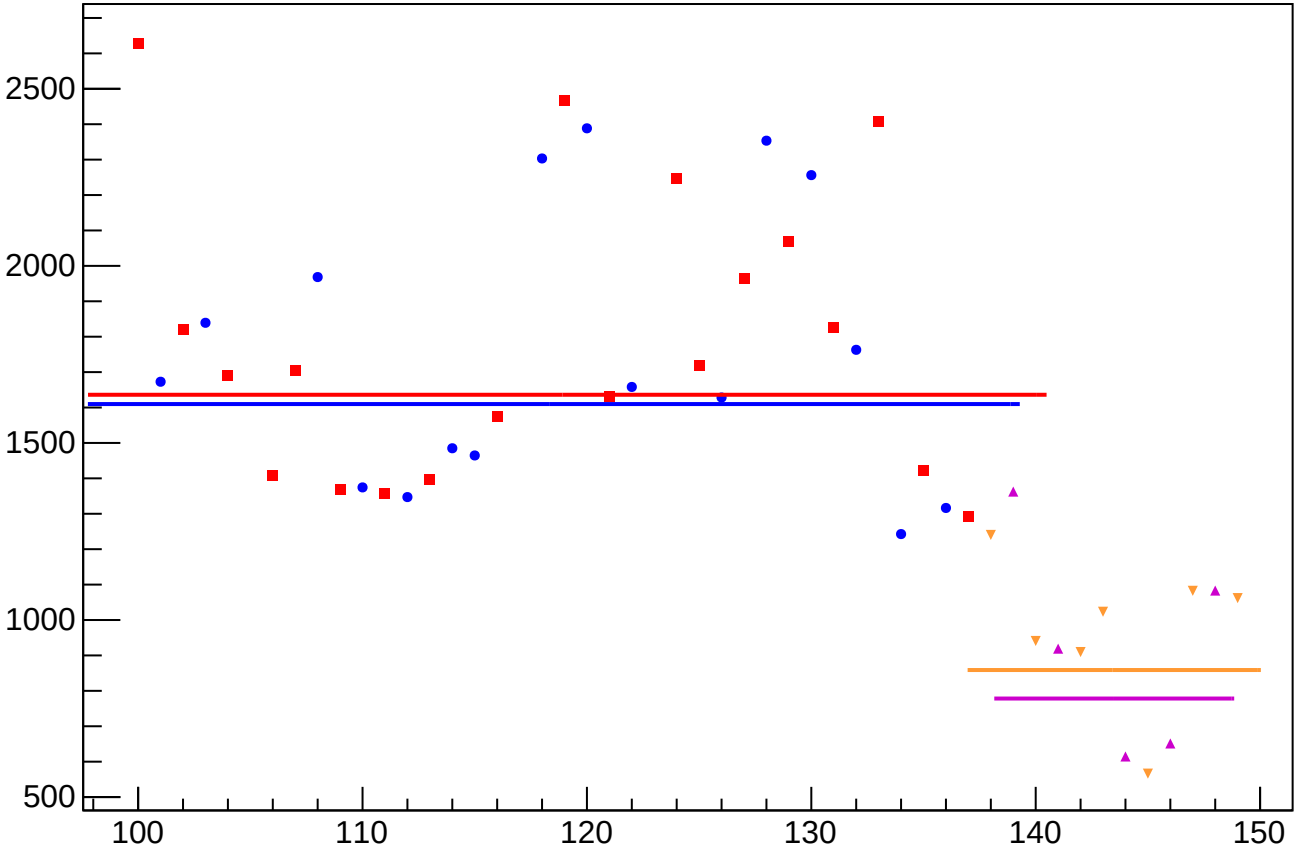
Left In: -229.991+/-392.347 χ^2/NDF:2.3/4

+ sign -899.426+/-328.195 χ^2/NDF: 42.6/22

All: -742.357+/-232.943 χ^2/NDF: 60.6/46

- 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: 858.770+/-0.274 χ^2/NDF:755516.3/6

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

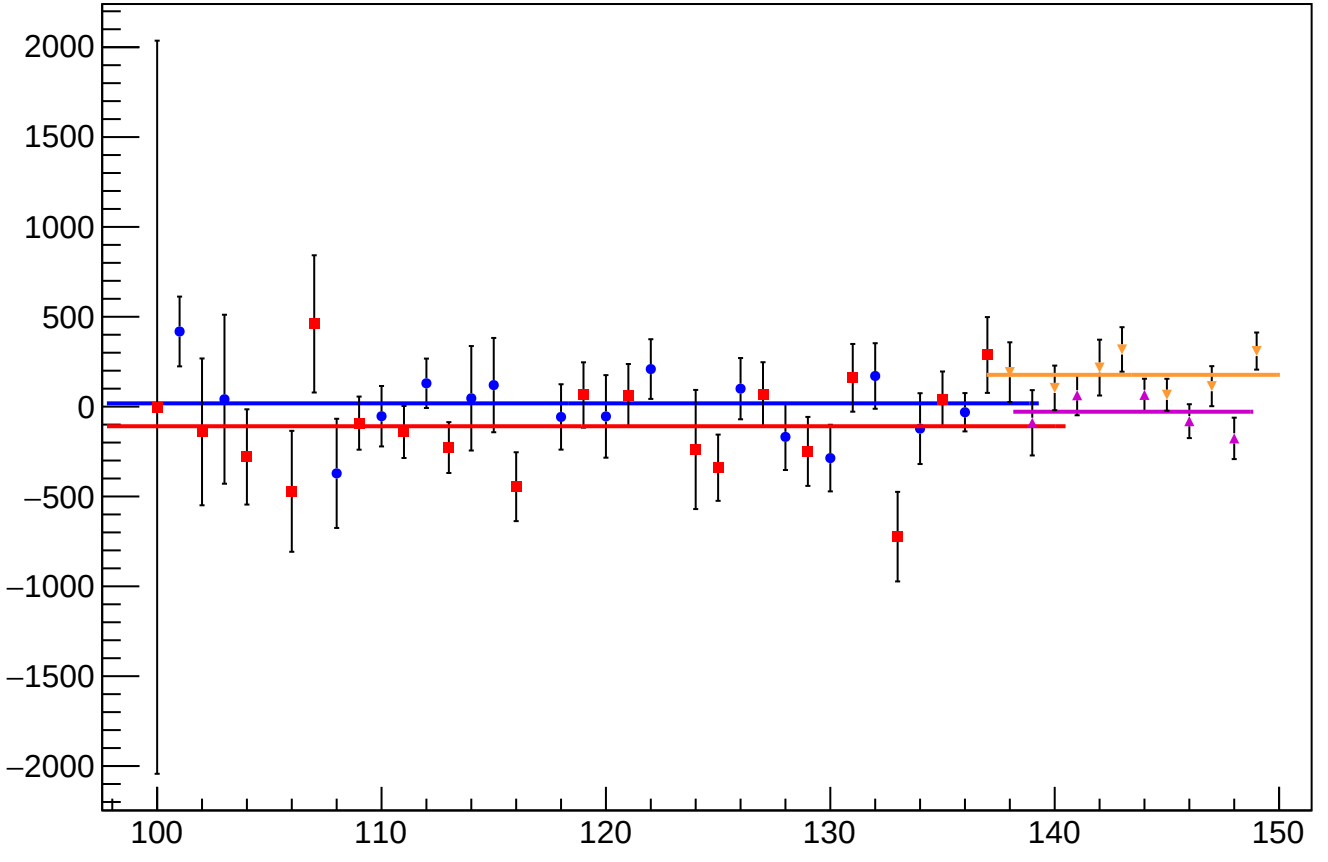
Left In: 778.280+/-0.277 χ^2/NDF:667929.4/4

+ sign 1071.944+/-0.232 χ^2/NDF: 3503597.0/22

All: 1049.504+/-0.165 χ^2/NDF: 7486931.7/46

- 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: 176.950+/-44.350 χ^2/NDF:5.2/6

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

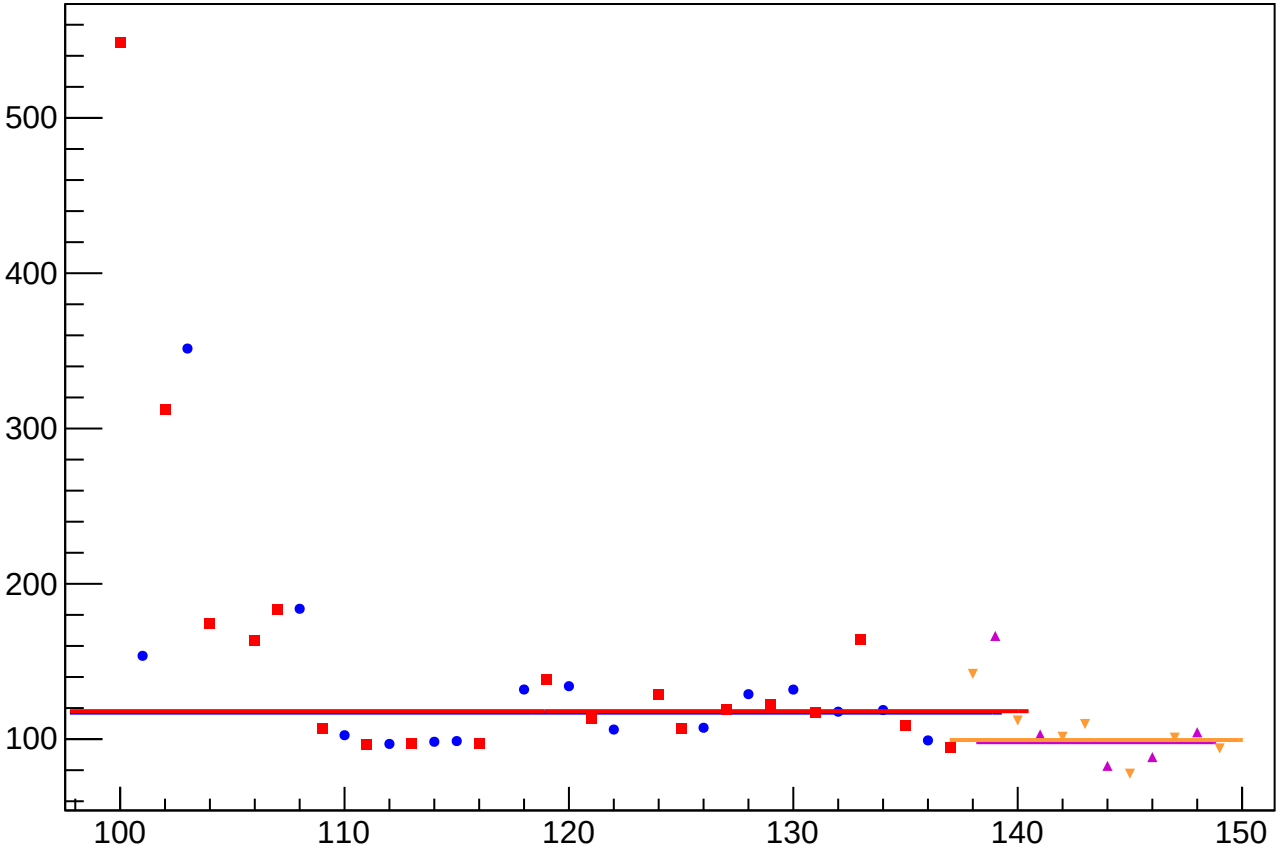
Left In: -28.439+/-48.684 χ^2/NDF:3.8/4

+ sign 99.957+/-31.828 χ^2/NDF: 25.3/22

All: 18.406+/-23.031 χ^2/NDF: 69.8/46

- 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: 99.416+/-0.031 χ^2/NDF:290910.9/6

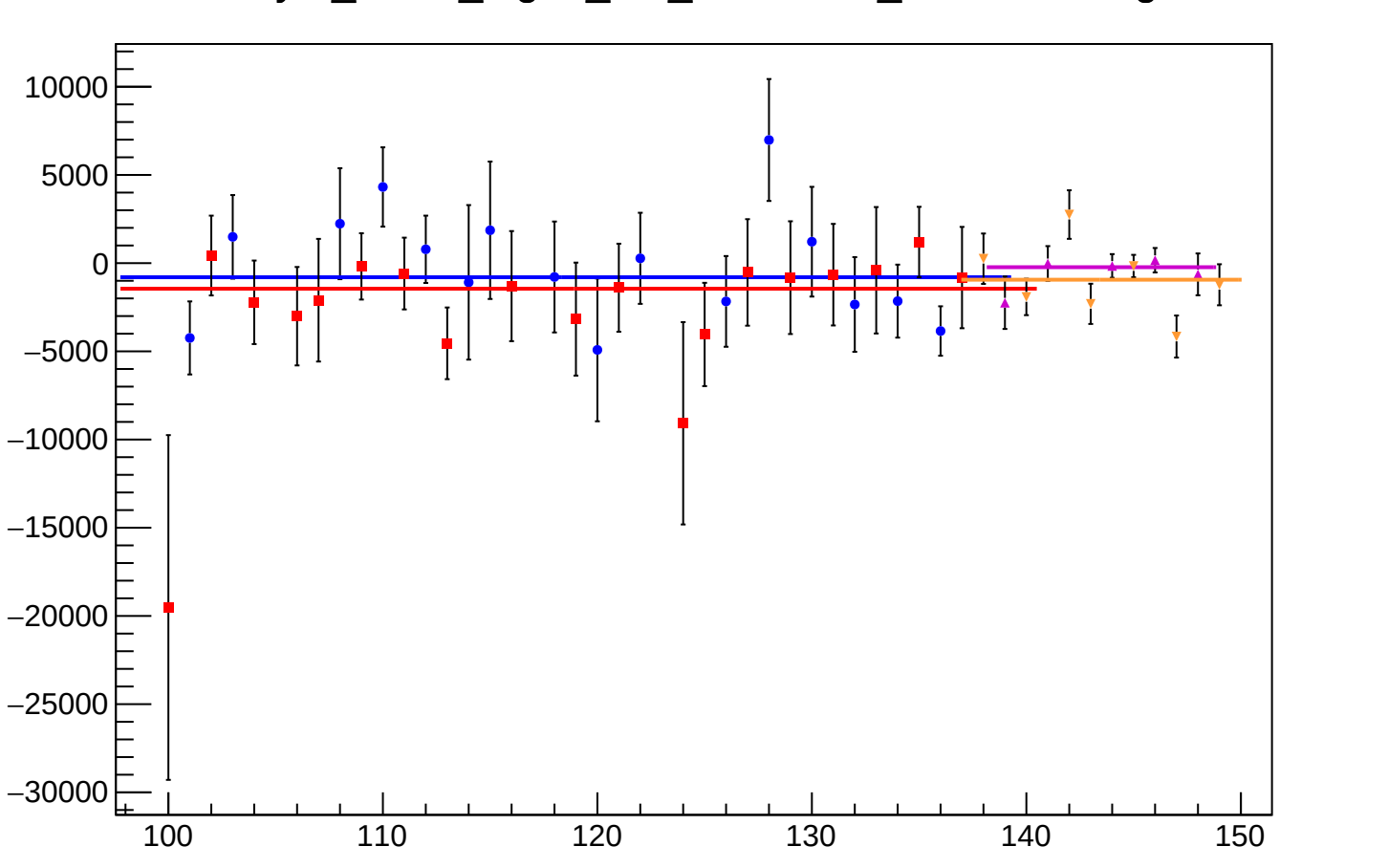
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.032+/-0.034 χ^2/NDF:371516.0/4

+ sign 107.974+/-0.023 χ^2/NDF: 1302867.0/22

All: 108.283+/-0.016 χ^2/NDF: 2839821.4/46

- sign 108.622+/-0.024 χ^2/NDF: 1536559.8/23



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -939.184+/-387.818 χ^2/NDF:19.1/6

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

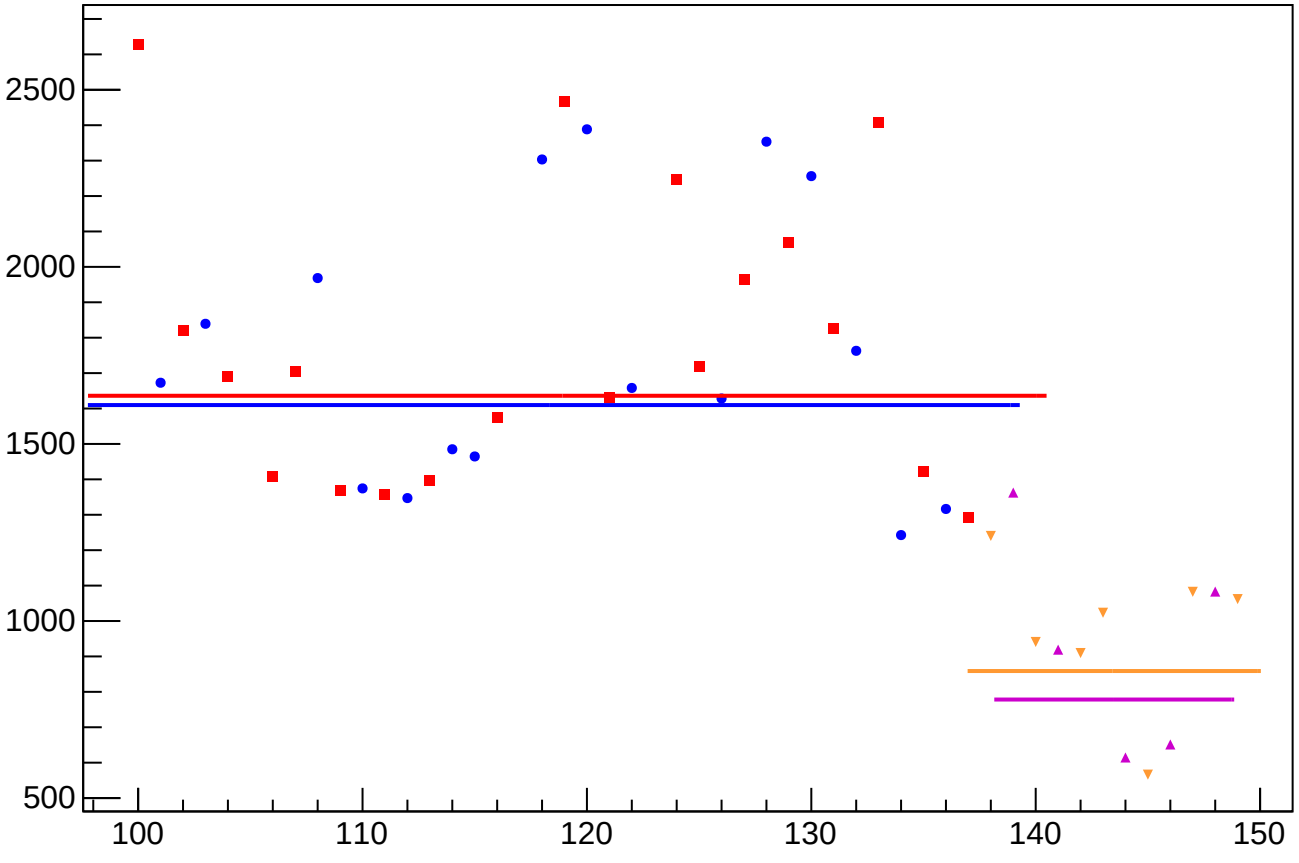
Left In: -229.991+/-392.347 χ^2/NDF:2.3/4

\+ sign -899.426+/-328.195 χ^2/NDF: 42.6/22

All: -742.357+/-232.943 χ^2/NDF: 60.6/46

\- 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: 858.770+/-0.274 χ^2/NDF:755516.3/6

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

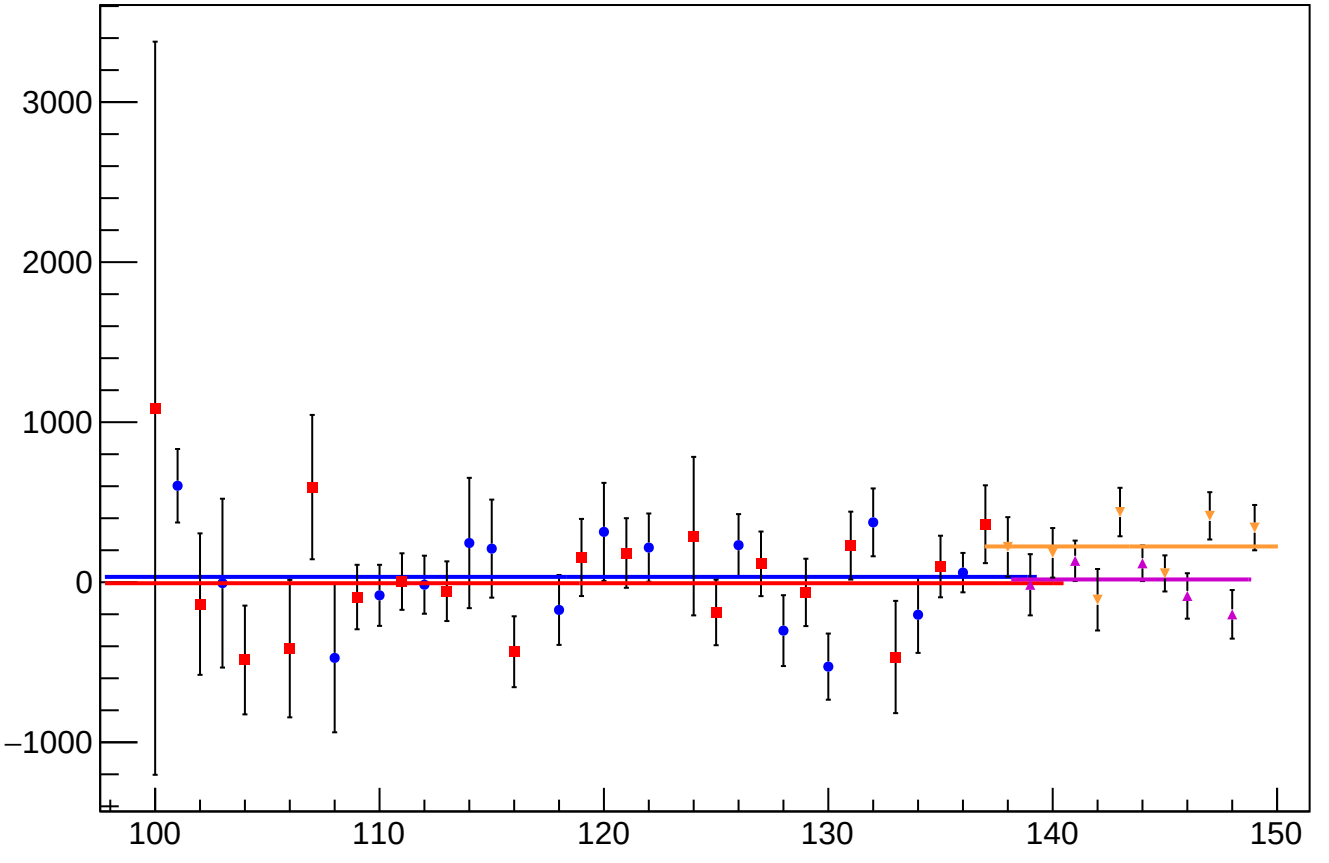
Left In: 778.280+/-0.277 χ^2/NDF:667929.4/4

+ sign 1071.944+/-0.232 χ^2/NDF: 3503597.0/22

All: 1049.504+/-0.165 χ^2/NDF: 7486931.7/46

- 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: 223.584+/-56.291 χ^2/NDF:9.7/6

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

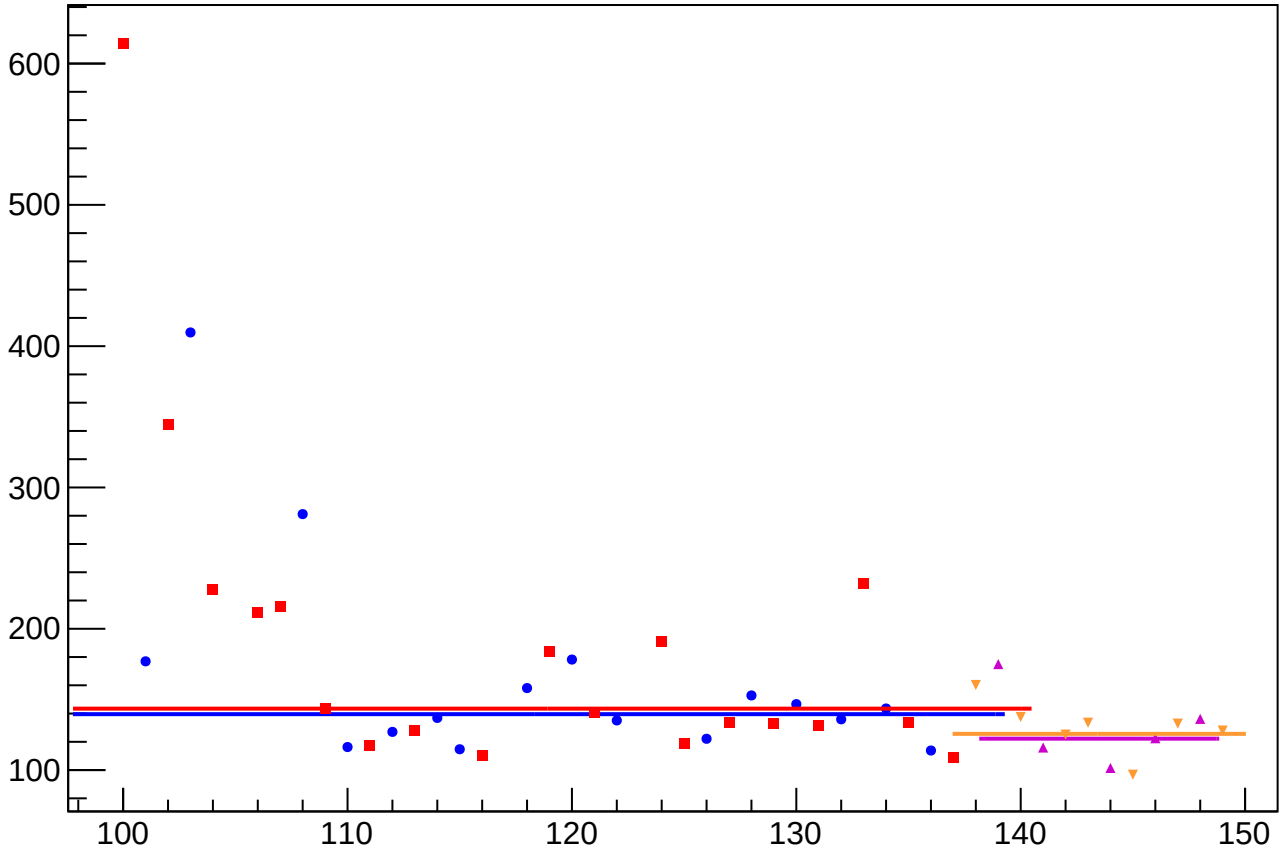
Left In: 17.413+/-61.579 χ^2/NDF:4.3/4

+ sign 126.162+/-39.306 χ^2/NDF: 40.7/22

All: 68.611+/-28.527 χ^2/NDF: 66.9/46

- 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: 125.639+/-0.040 χ^2/NDF:223116.8/6

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

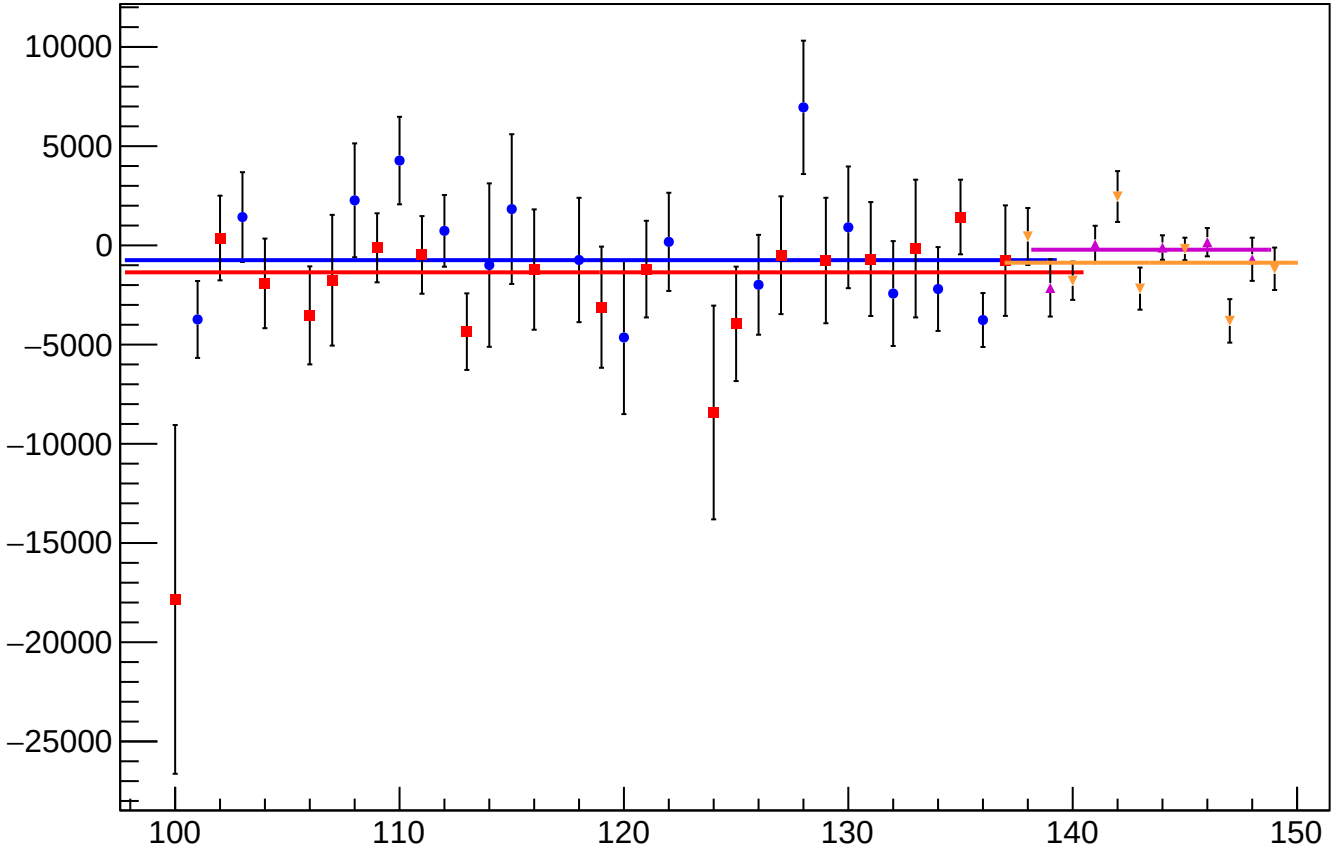
Left In: 122.233+/-0.044 χ^2/NDF:243714.5/4

+ sign 132.776+/-0.028 χ^2/NDF: 1262593.9/22

All: 133.282+/-0.020 χ^2/NDF: 2753804.7/46

- 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: -873.502+/-356.170 χ^2/NDF:18.8/6

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

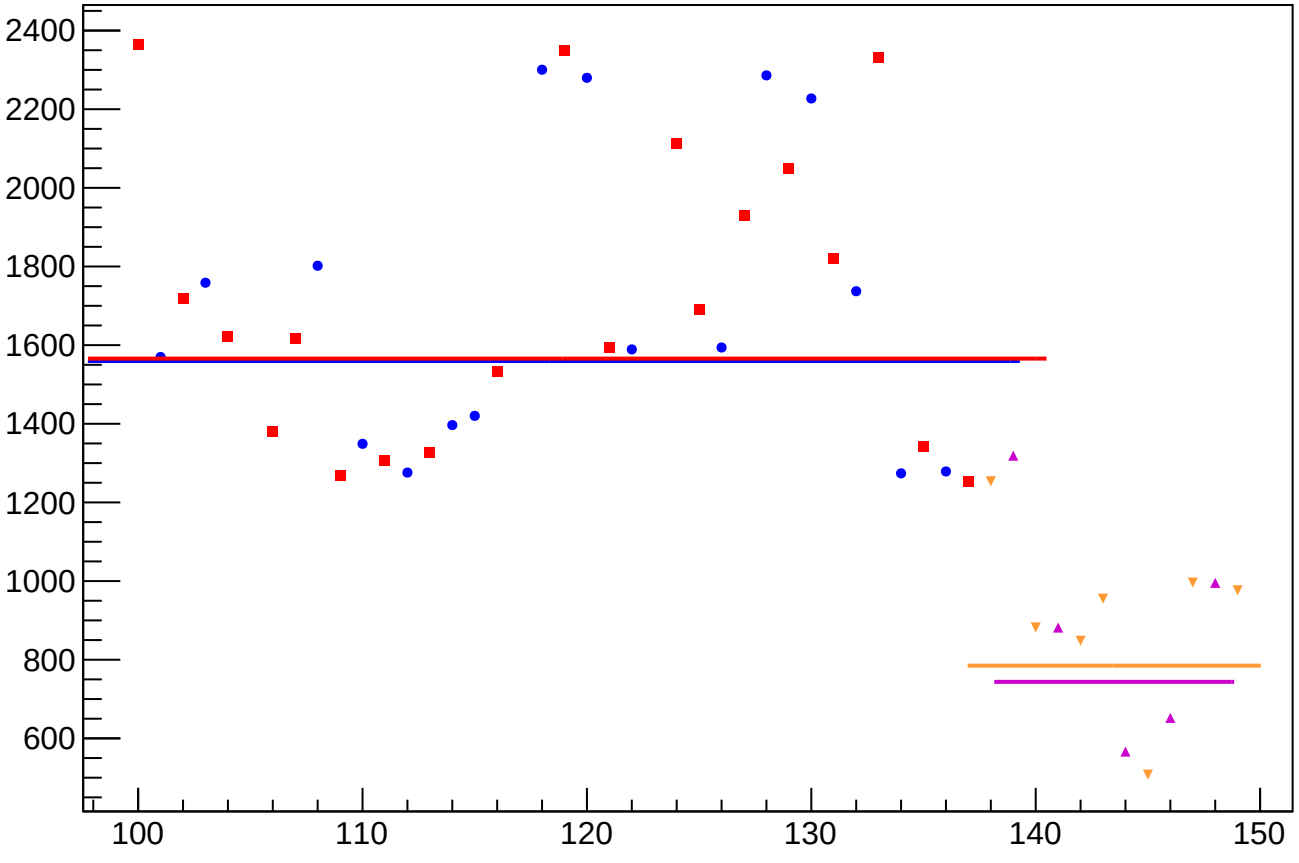
Left In: -218.290+/-376.792 χ^2/NDF:2.4/4

\+ sign -839.587+/-305.711 χ^2/NDF: 42.3/22

All: -700.853+/-220.020 χ^2/NDF: 61.3/46

\- 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: 784.936+/-0.252 χ^2/NDF:908204.3/6

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

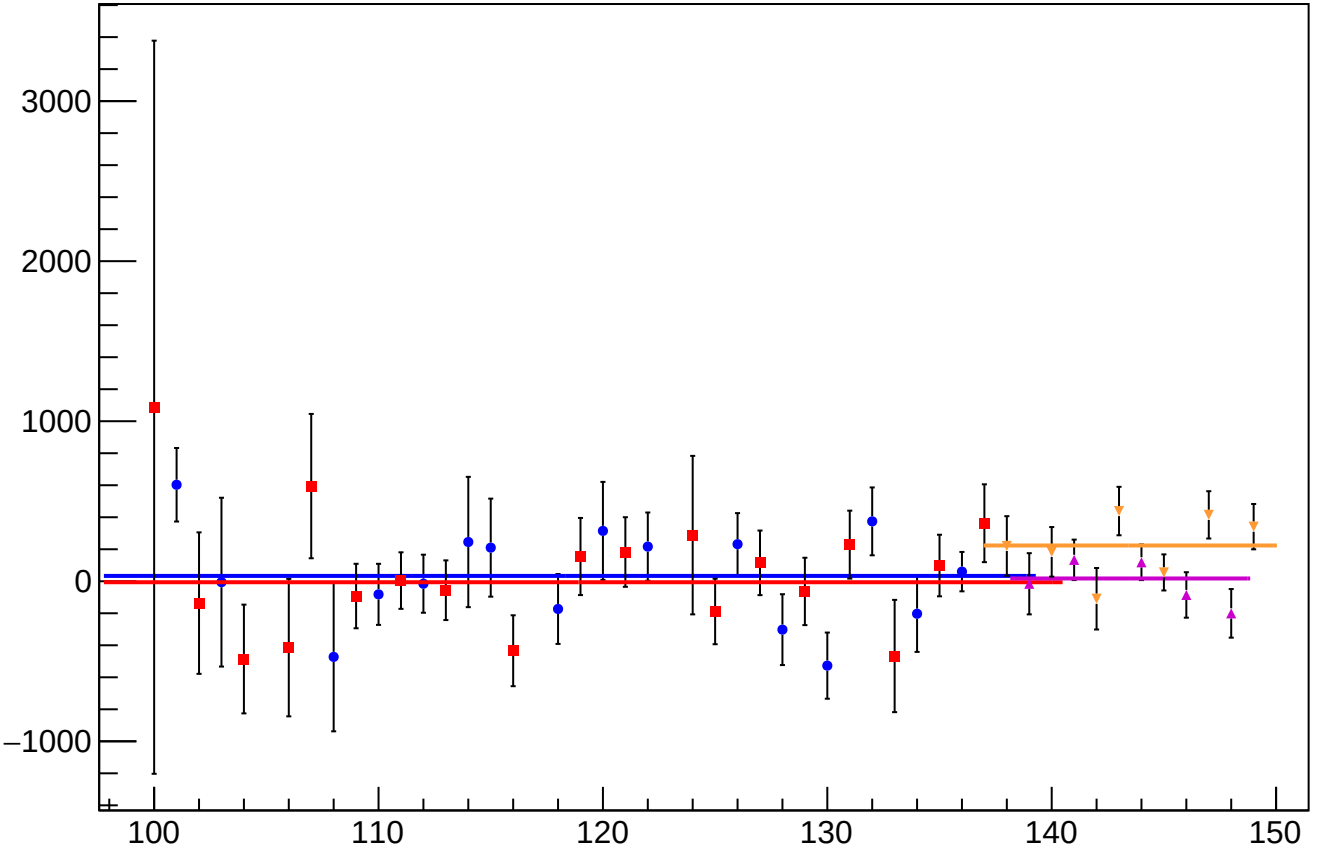
Left In: 743.741+/-0.266 χ^2/NDF:666314.8/4

+ sign 988.920+/-0.216 χ^2/NDF: 4004138.4/22

All: 986.698+/-0.156 χ^2/NDF: 8020477.9/46

- 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: 223.583+/-56.291 χ^2/NDF:9.7/6

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

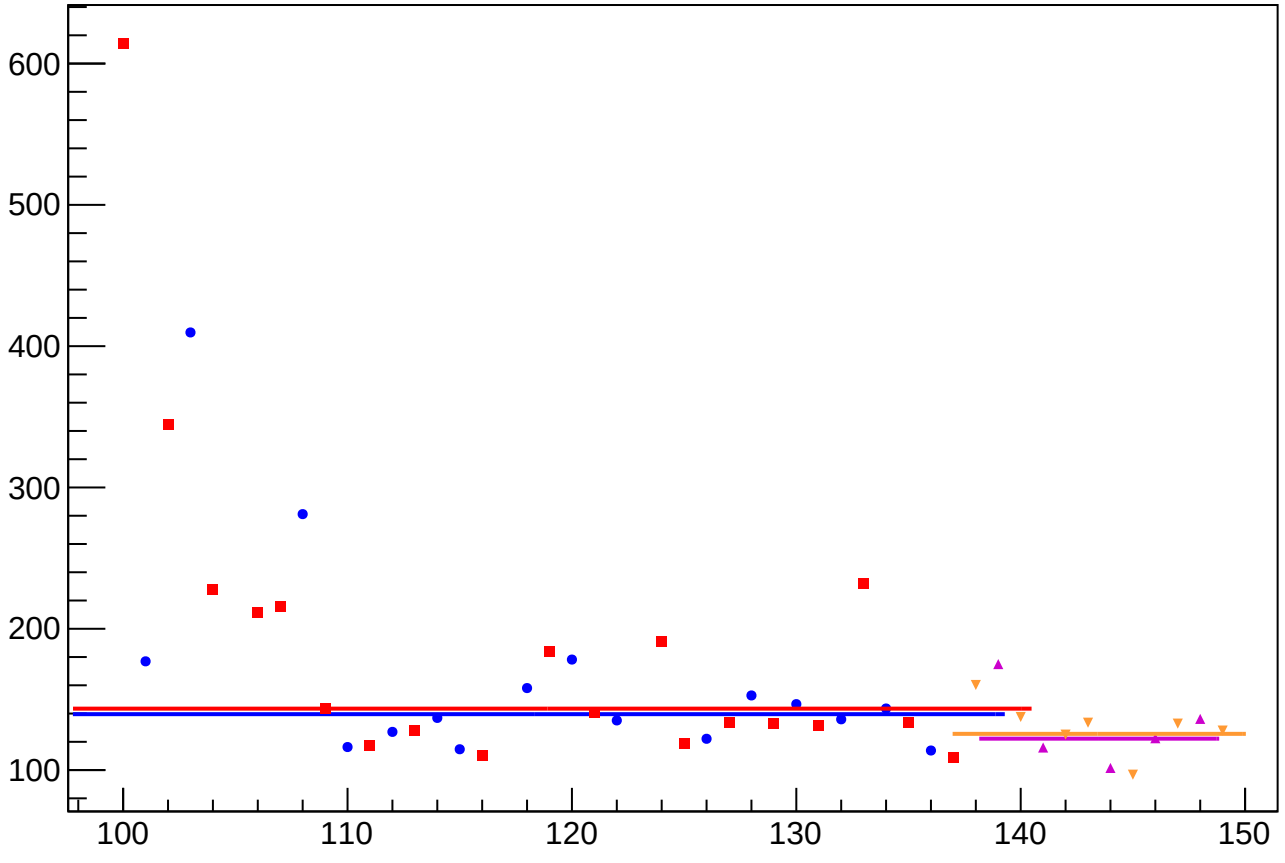
Left In: 17.412+/-61.579 χ^2/NDF:4.3/4

+ sign 126.161+/-39.306 χ^2/NDF: 40.7/22

All: 68.612+/-28.527 χ^2/NDF: 66.9/46

- 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: 125.639+/-0.040 χ^2/NDF:223120.3/6

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

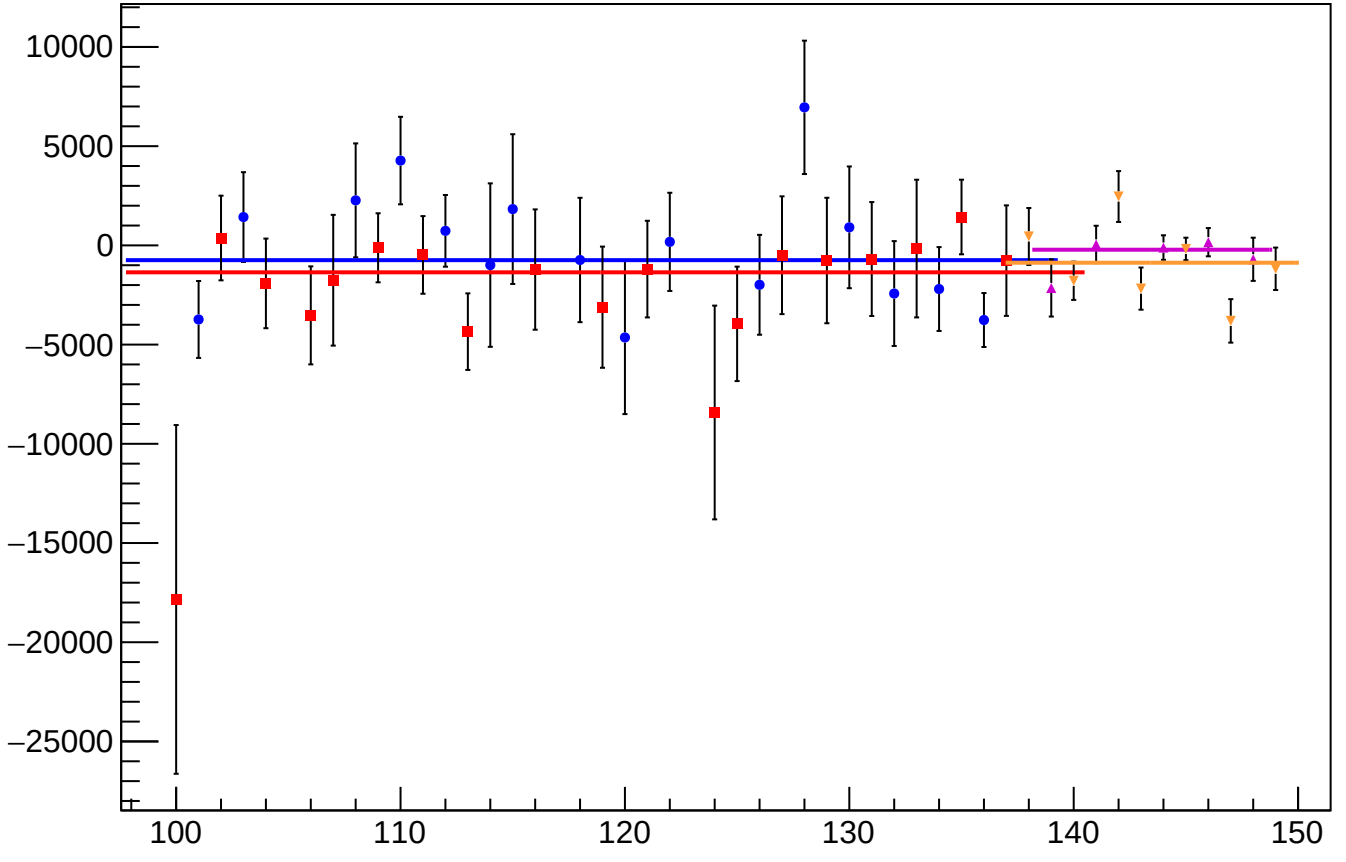
Left In: 122.233+/-0.044 χ^2/NDF:243713.4/4

+ sign 132.776+/-0.028 χ^2/NDF: 1262597.5/22

All: 133.282+/-0.020 χ^2/NDF: 2753815.0/46

- 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: -873.505+/-356.170 χ^2/NDF:18.8/6

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

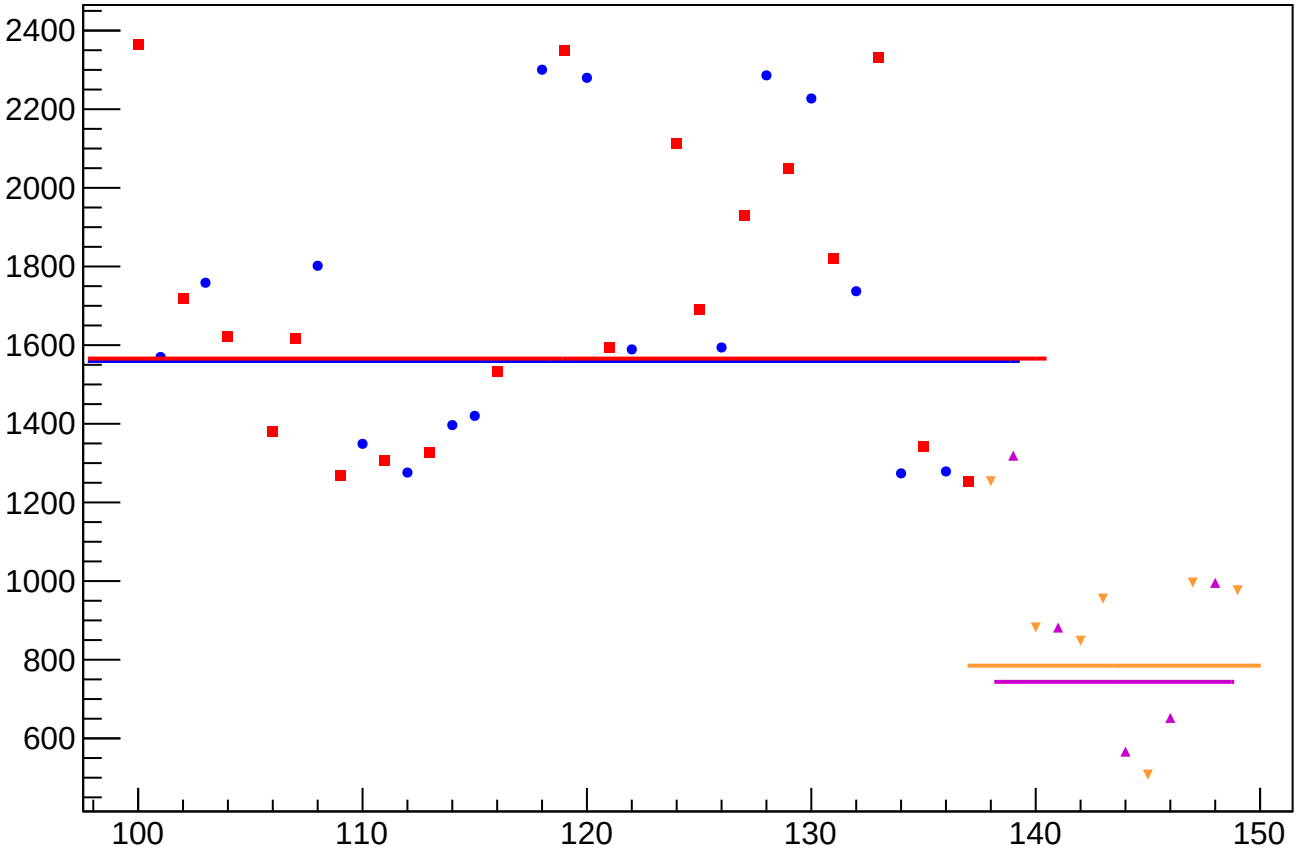
Left In: -218.290+/-376.792 χ^2/NDF:2.4/4

+ sign -839.588+/-305.711 χ^2/NDF: 42.3/22

All: -700.854+/-220.019 χ^2/NDF: 61.3/46

- 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: 784.935+/-0.252 χ^2/NDF:908205.0/6

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

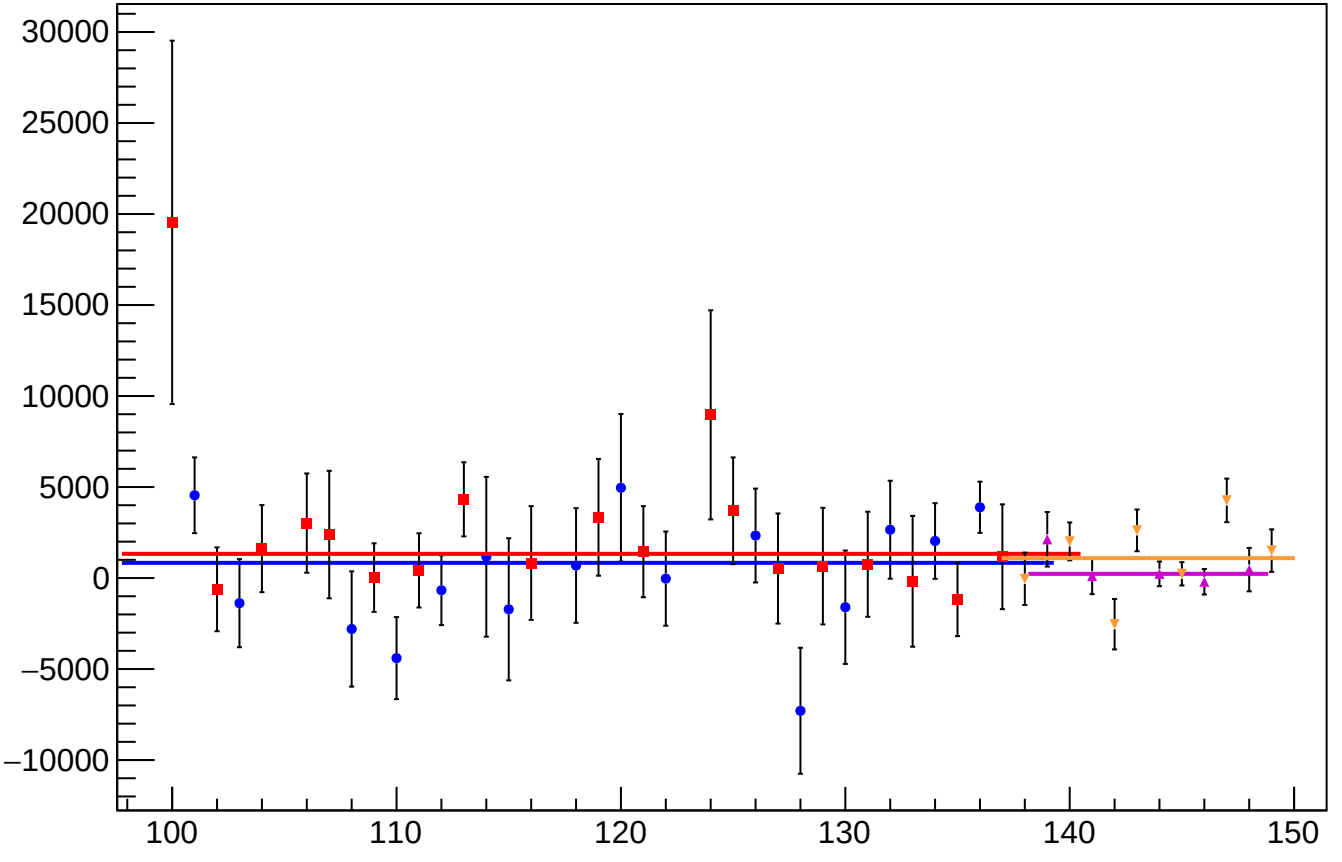
Left In: 743.740+/-0.266 χ^2/NDF:666315.9/4

+ sign 988.919+/-0.216 χ^2/NDF: 4004138.9/22

All: 986.697+/-0.156 χ^2/NDF: 8020474.3/46

- 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: 1093.366+/-390.778 χ^2/NDF:19.0/6

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

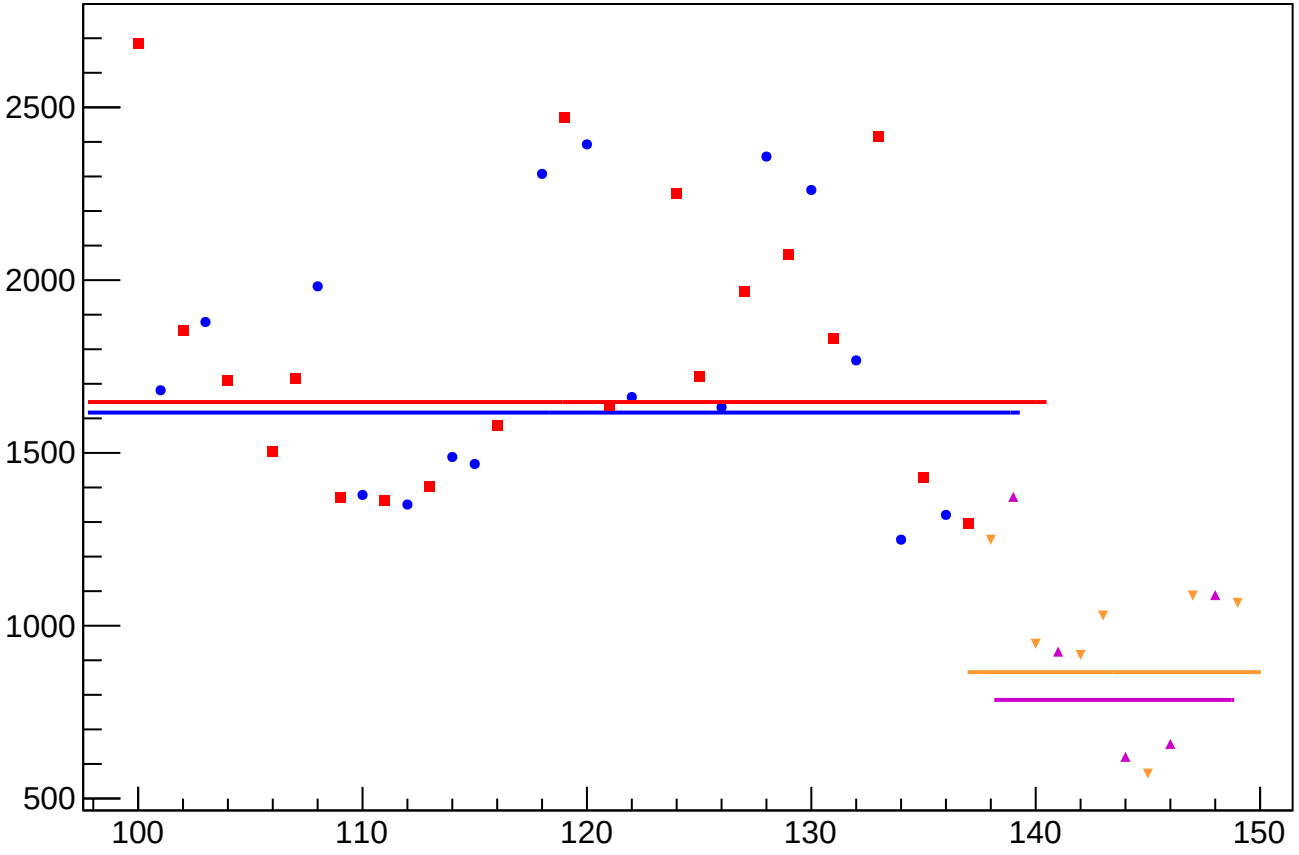
Left In: 229.943+/-395.743 χ^2/NDF:2.0/4

+ sign 1019.843+/-330.406 χ^2/NDF: 44.0/22

All: 787.207+/-234.552 χ^2/NDF: 61.4/46

- 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: 865.729+/-0.276 χ^2/NDF:743927.5/6

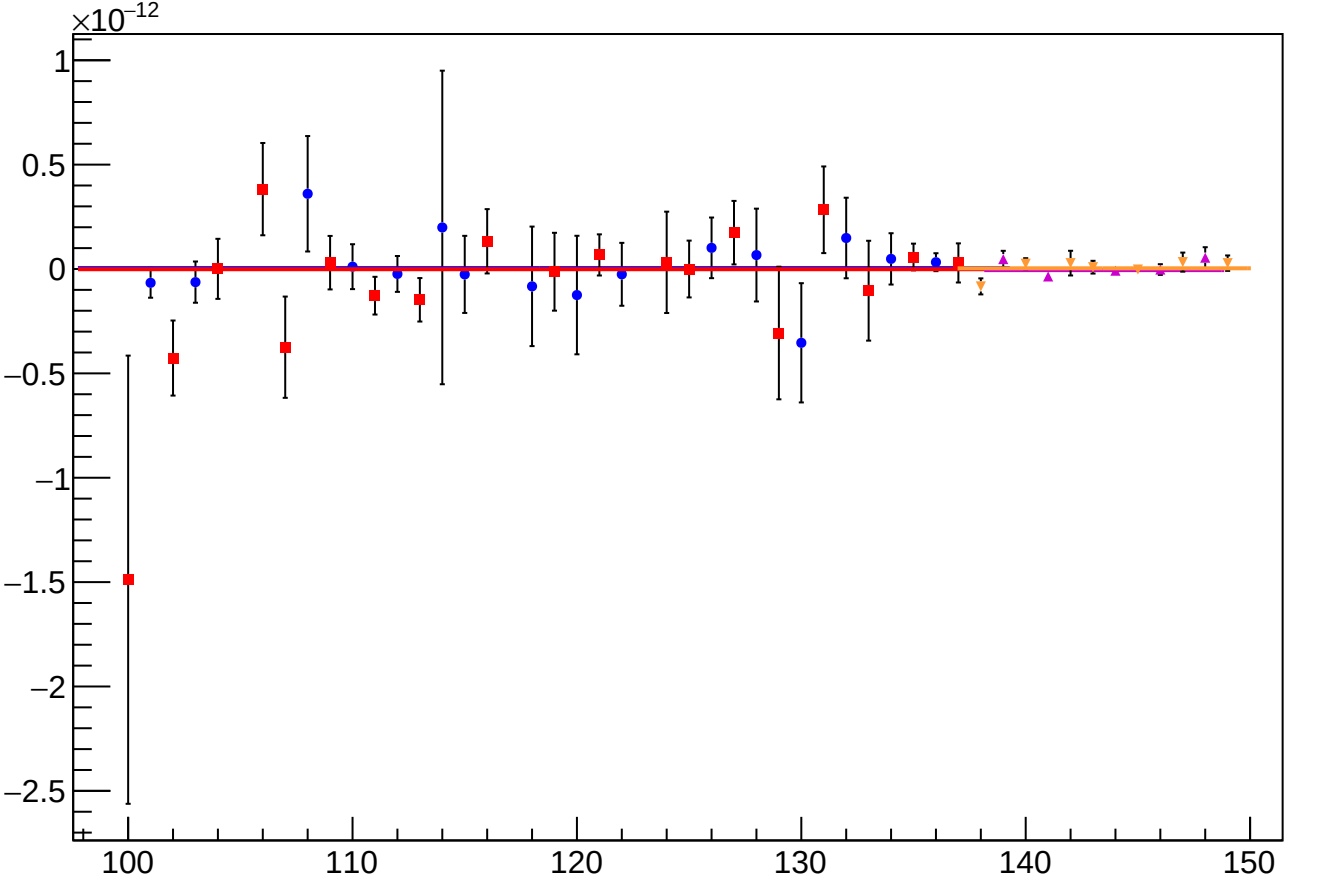
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

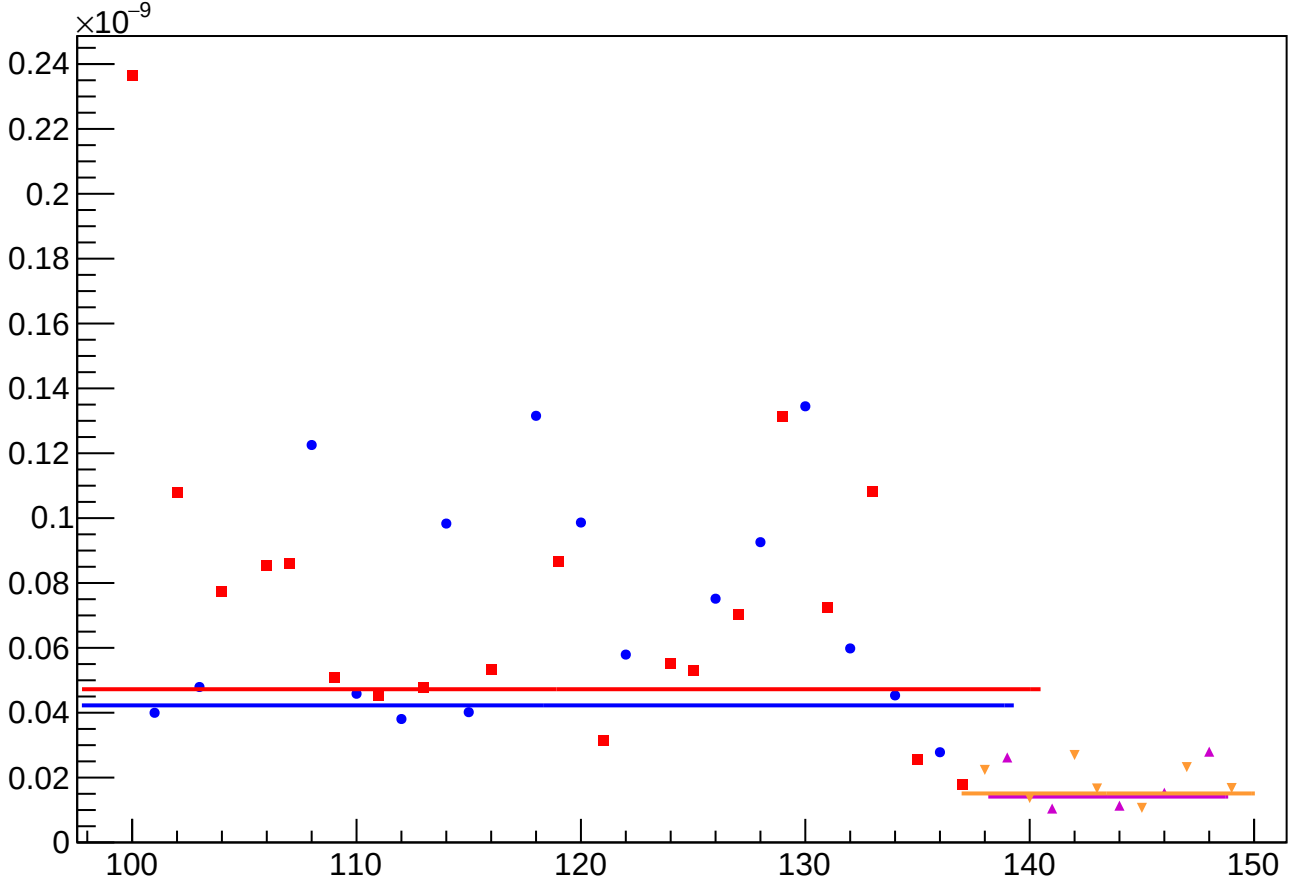
Left In: 785.369+/-0.280 χ^2/NDF:661275.0/4

+ sign 1079.873+/-0.234 χ^2/NDF: 3472687.4/22

All: 1058.563+/-0.166 χ^2/NDF: 7443160.2/46

- sign 1036.913+/-0.235 χ^2/NDF: 3953700.9/23


asym_sam3_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 6.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.9/6
Right Out: -0.000+/-0.000 χ²/NDF: 23.4/18
Left In: -0.000+/-0.000 χ²/NDF:4.9/4
+ sign 0.000+/-0.000 χ²/NDF: 13.8/22
All: -0.000+/-0.000 χ²/NDF: 42.4/46
- sign -0.000+/-0.000 χ²/NDF: 28.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:345943.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

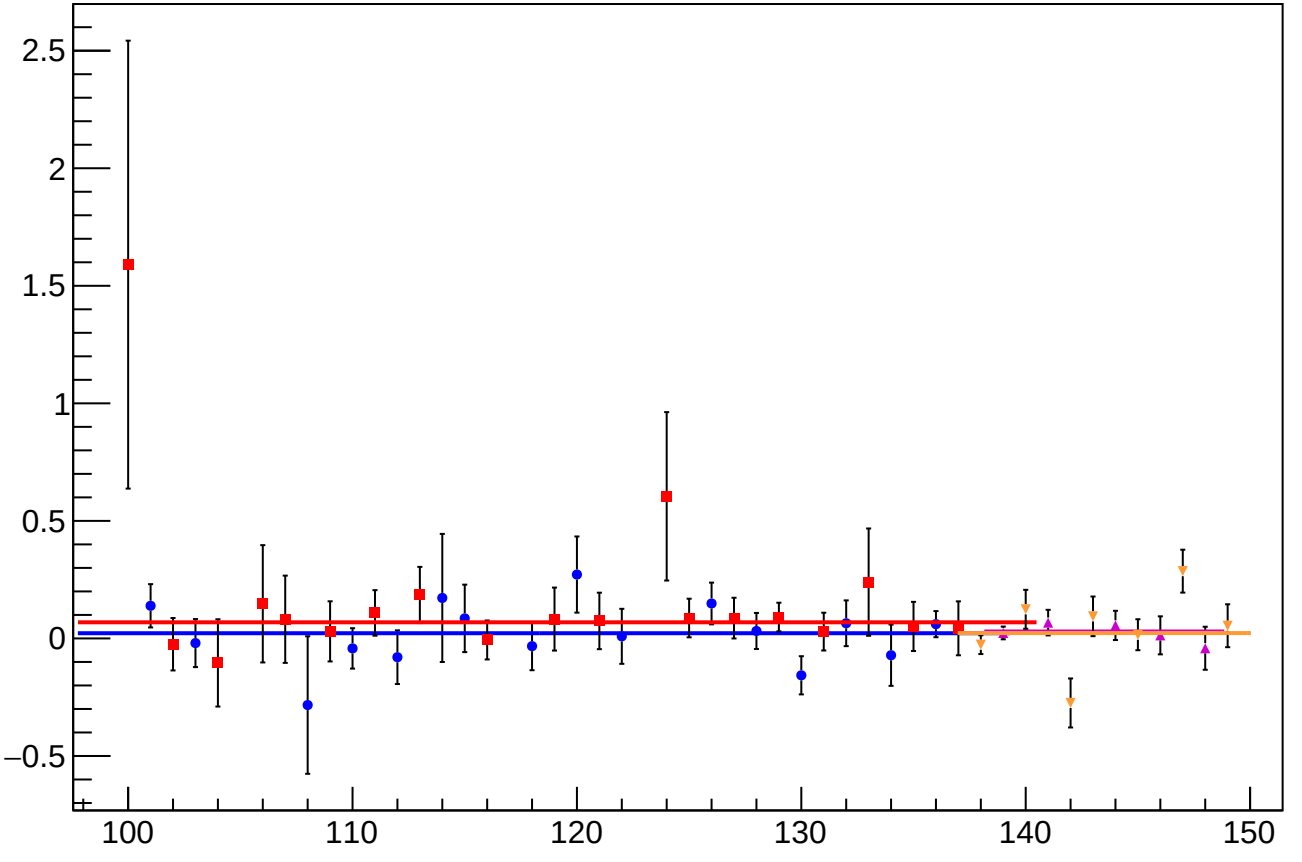
Left In: 0.000+/-0.000 χ^2/NDF:438787.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 3181980.1/22

All: 0.000+/-0.000 χ^2/NDF: 7118182.0/46

- 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: 0.023+/-0.026 χ^2/NDF:20.3/6

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

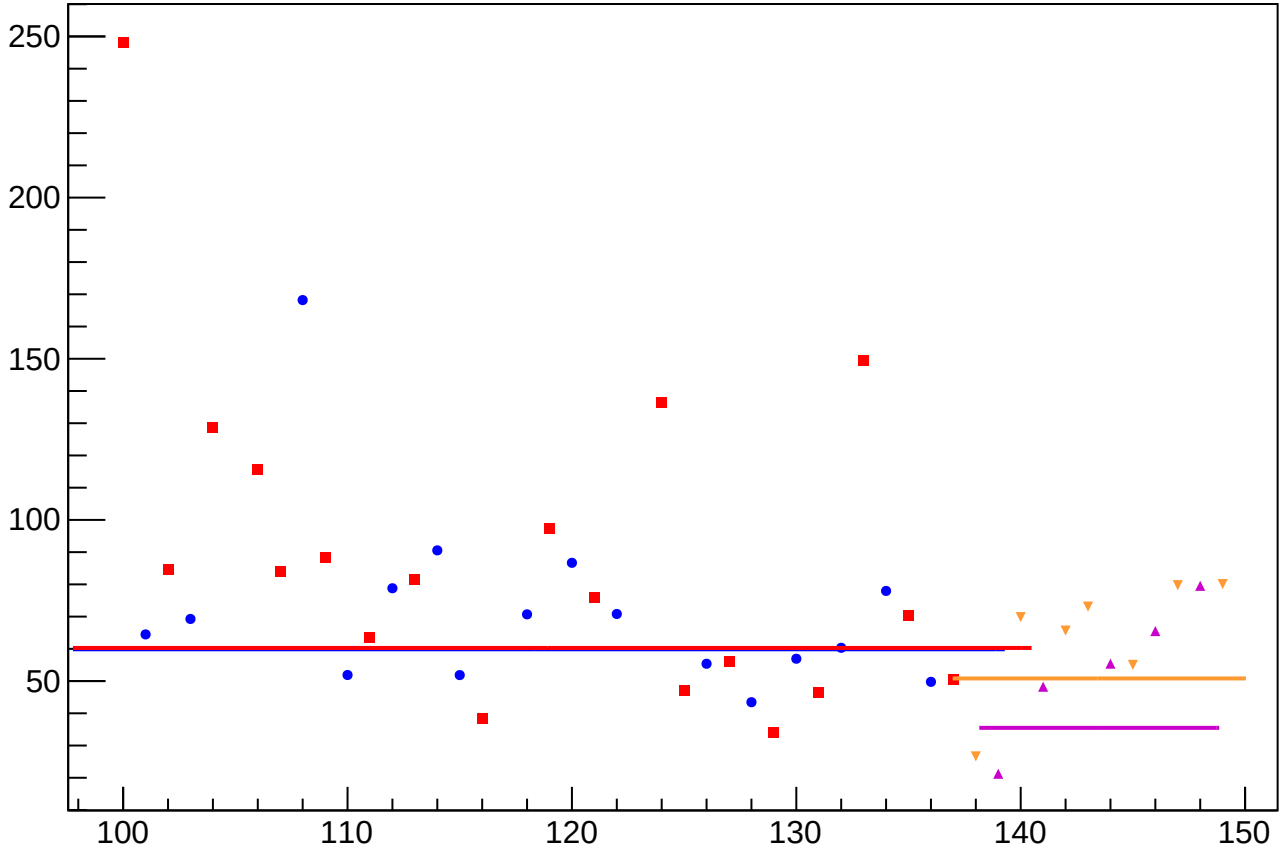
Left In: 0.030+/-0.021 χ^2/NDF:1.4/4

+ sign 0.023+/-0.018 χ^2/NDF: 35.8/22

All: 0.035+/-0.012 χ^2/NDF: 49.1/46

- 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: 50.819+/-0.018 χ^2/NDF:1438611.6/6

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

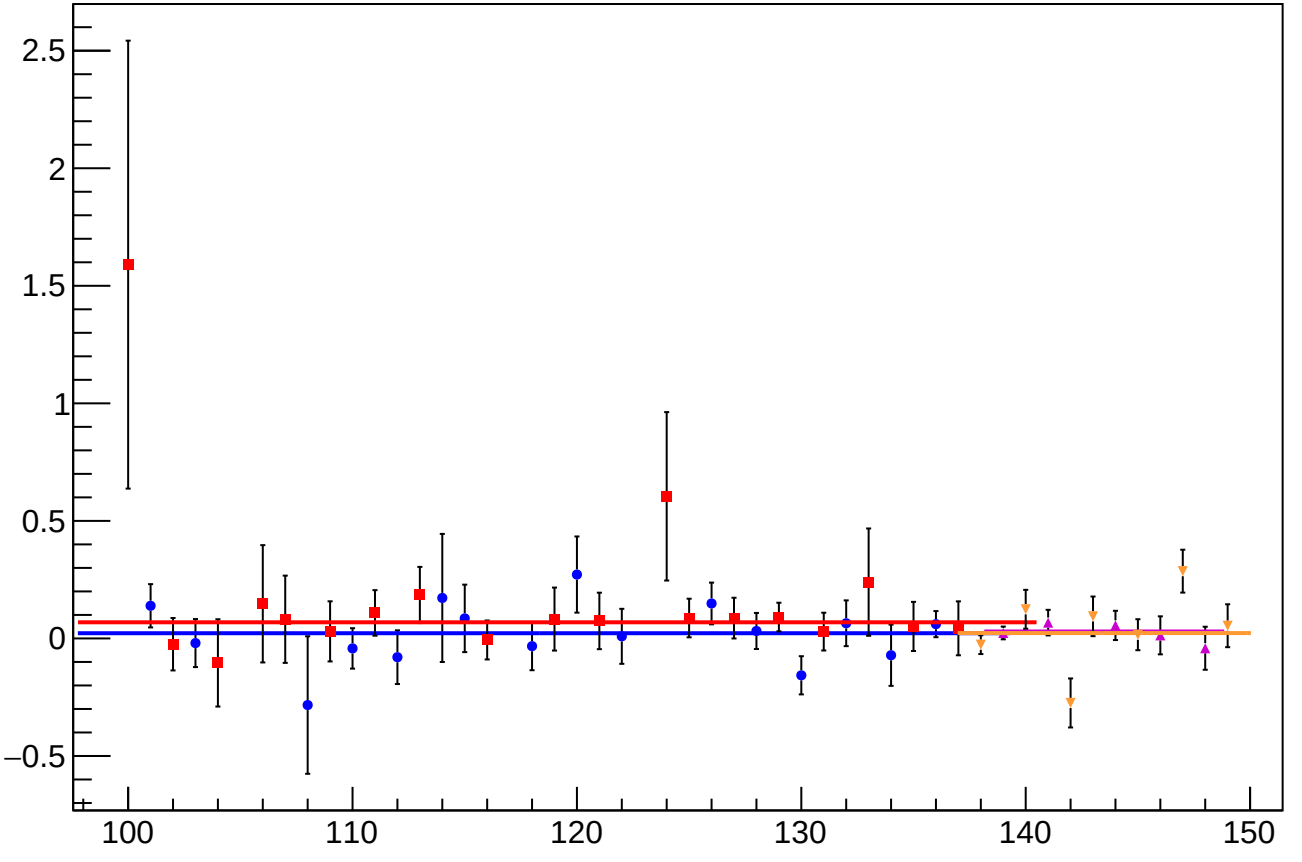
Left In: 35.488+/-0.015 χ^2/NDF:1604902.3/4

+ sign 55.579+/-0.013 χ^2/NDF: 2265026.5/22

All: 50.175+/-0.009 χ^2/NDF: 7309122.9/46

- 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: 0.023+/-0.026 χ^2/NDF:20.3/6

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

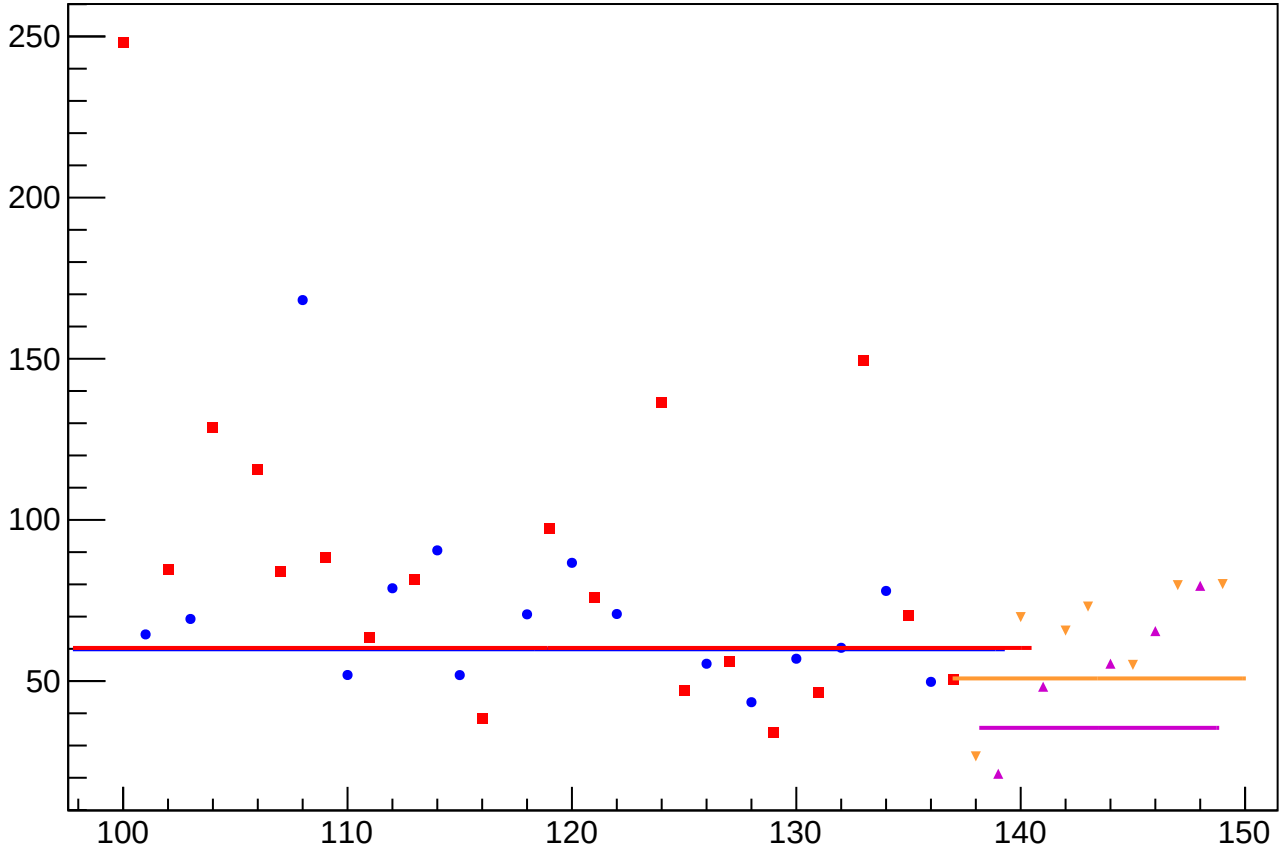
Left In: 0.030+/-0.021 χ^2/NDF:1.4/4

+ sign 0.023+/-0.018 χ^2/NDF: 35.8/22

All: 0.035+/-0.012 χ^2/NDF: 49.1/46

- 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: 50.819+/-0.018 χ^2/NDF:1438611.6/6

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

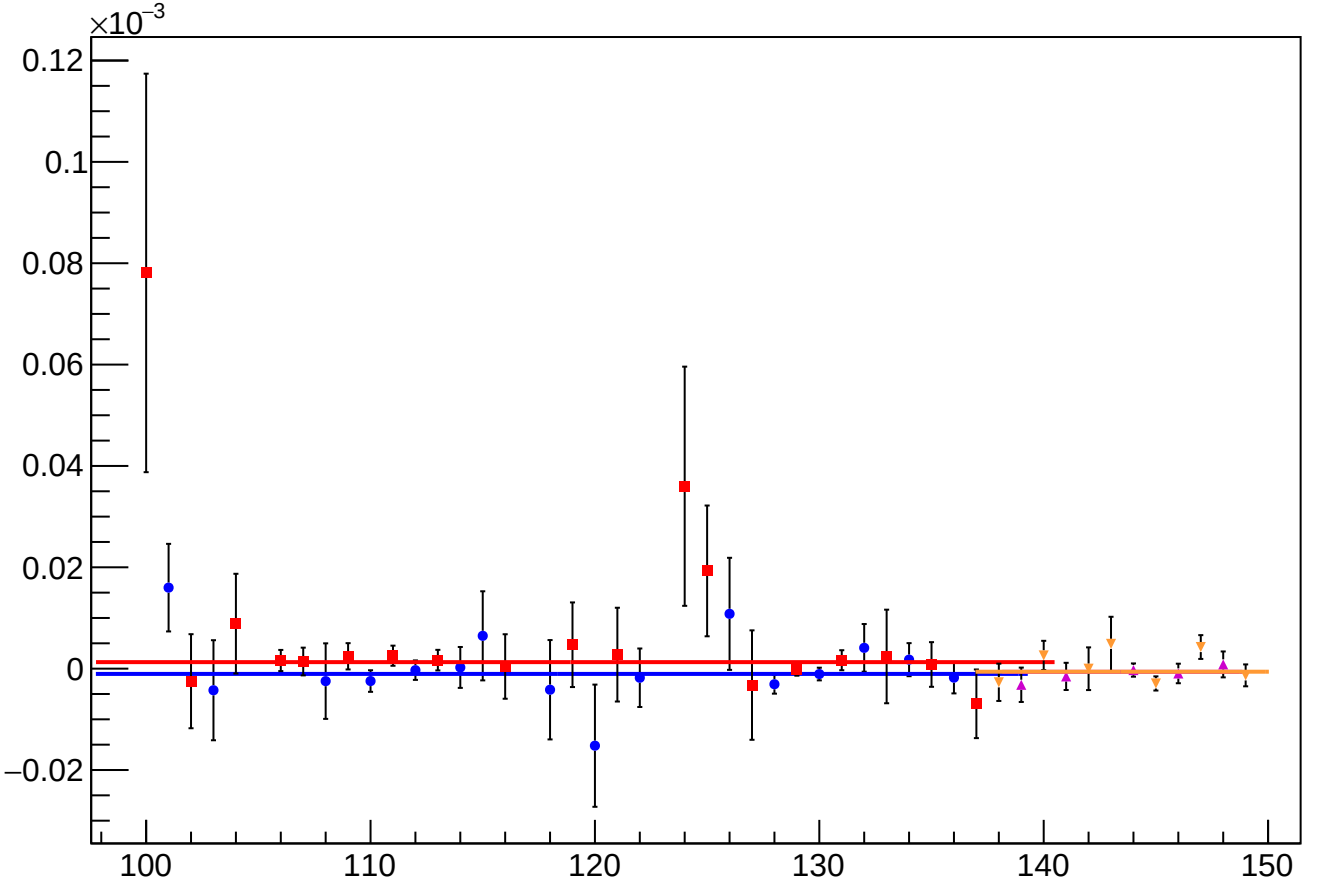
Left In: 35.488+/-0.015 χ^2/NDF:1604902.3/4

+ sign 55.579+/-0.013 χ^2/NDF: 2265026.5/22

All: 50.175+/-0.009 χ^2/NDF: 7309122.9/46

- 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:9.8/6

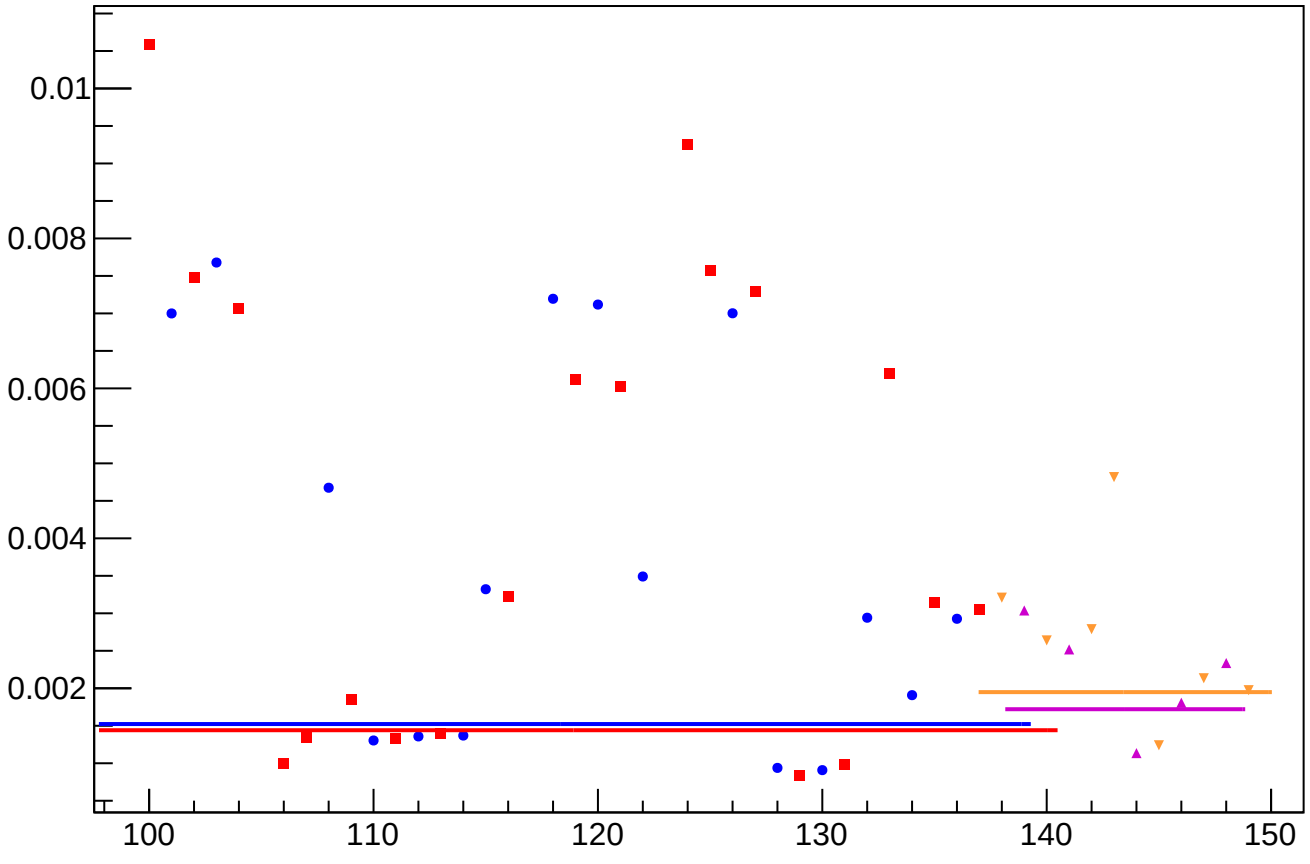
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 21.2/22

All: -0.000+/-0.000 χ^2/NDF: 40.8/46

- sign 0.000+/-0.000 χ^2/NDF: 16.4/23



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1531448.6/6

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

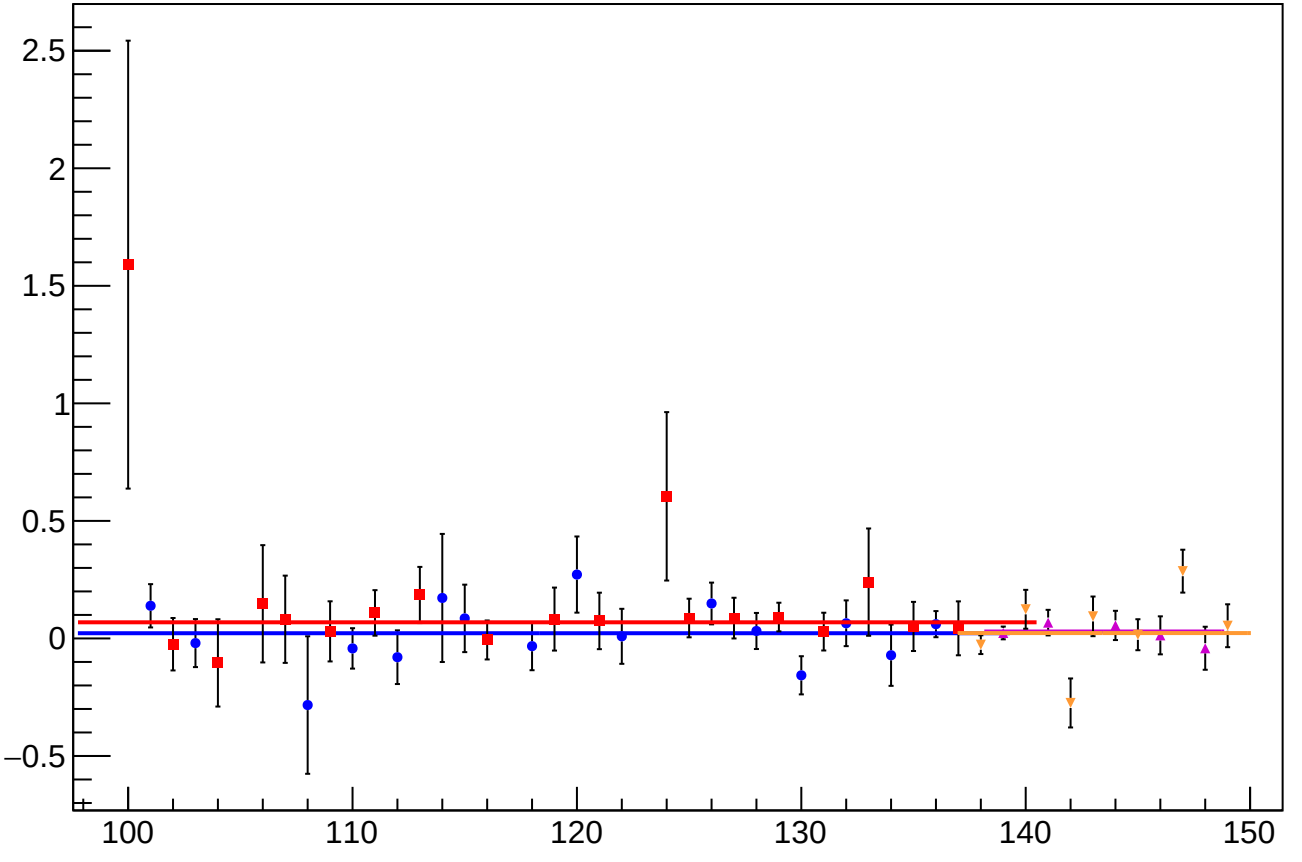
Left In: 0.002+/-0.000 χ^2/NDF:1000159.4/4

+ sign 0.002+/-0.000 χ^2/NDF: 6976489.2/22

All: 0.002+/-0.000 χ^2/NDF: 13952910.7/46

- sign 0.002+/-0.000 χ^2/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: 0.023+/-0.026 χ^2/NDF:20.3/6

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

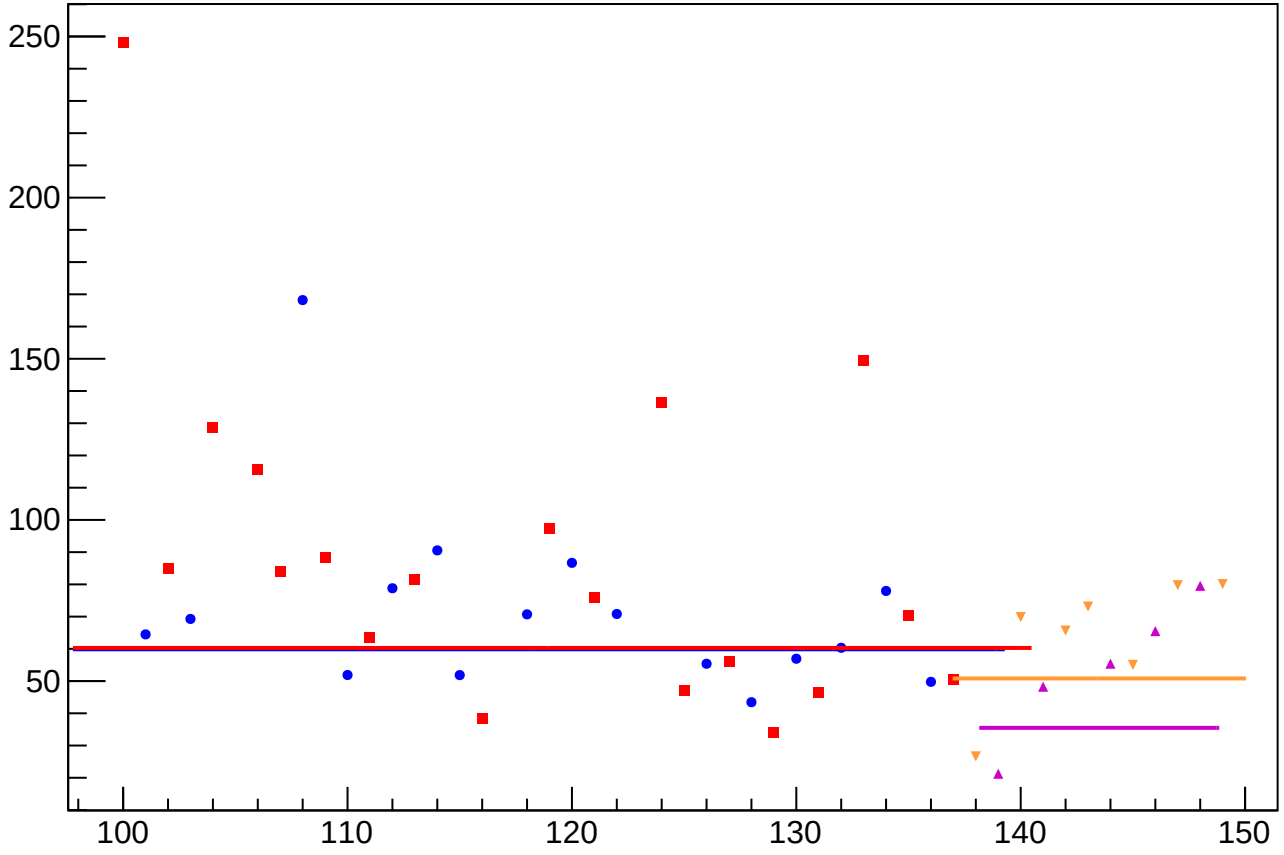
Left In: 0.030+/-0.021 χ^2/NDF:1.4/4

+ sign 0.023+/-0.018 χ^2/NDF: 35.8/22

All: 0.035+/-0.012 χ^2/NDF: 49.1/46

- 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: 50.818+/-0.018 χ^2/NDF:1438876.2/6

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

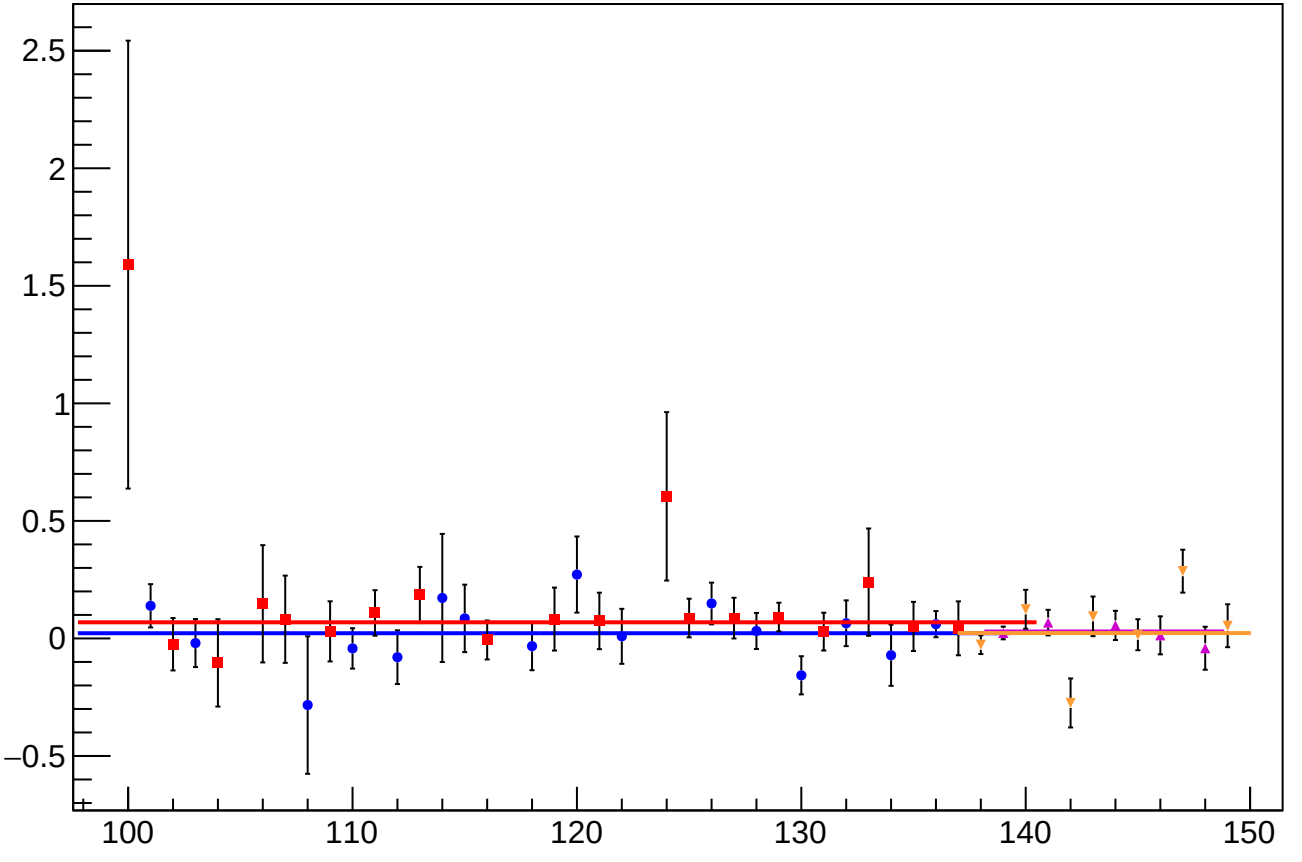
Left In: 35.487+/-0.015 χ^2/NDF:1605084.7/4

+ sign 55.579+/-0.013 χ^2/NDF: 2265413.8/22

All: 50.174+/-0.009 χ^2/NDF: 7309991.6/46

- 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: 0.023+/-0.026 χ^2/NDF:20.3/6

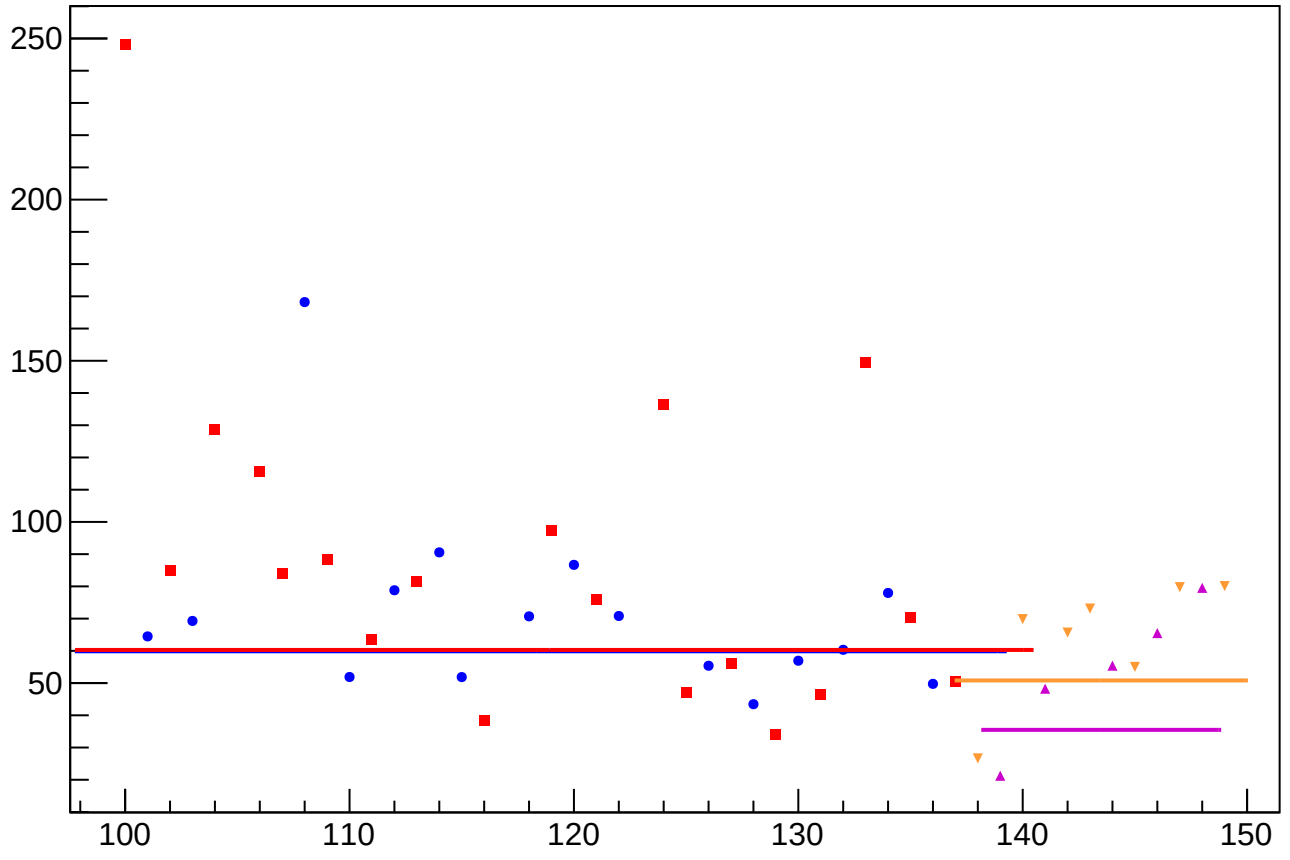
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.030+/-0.021 χ^2/NDF:1.4/4

+ sign 0.023+/-0.018 χ^2/NDF: 35.8/22

All: 0.035+/-0.012 χ^2/NDF: 49.1/46

- sign 0.046+/-0.016 χ^2/NDF: 12.4/23



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 50.818+/-0.018 χ^2/NDF:1438876.2/6

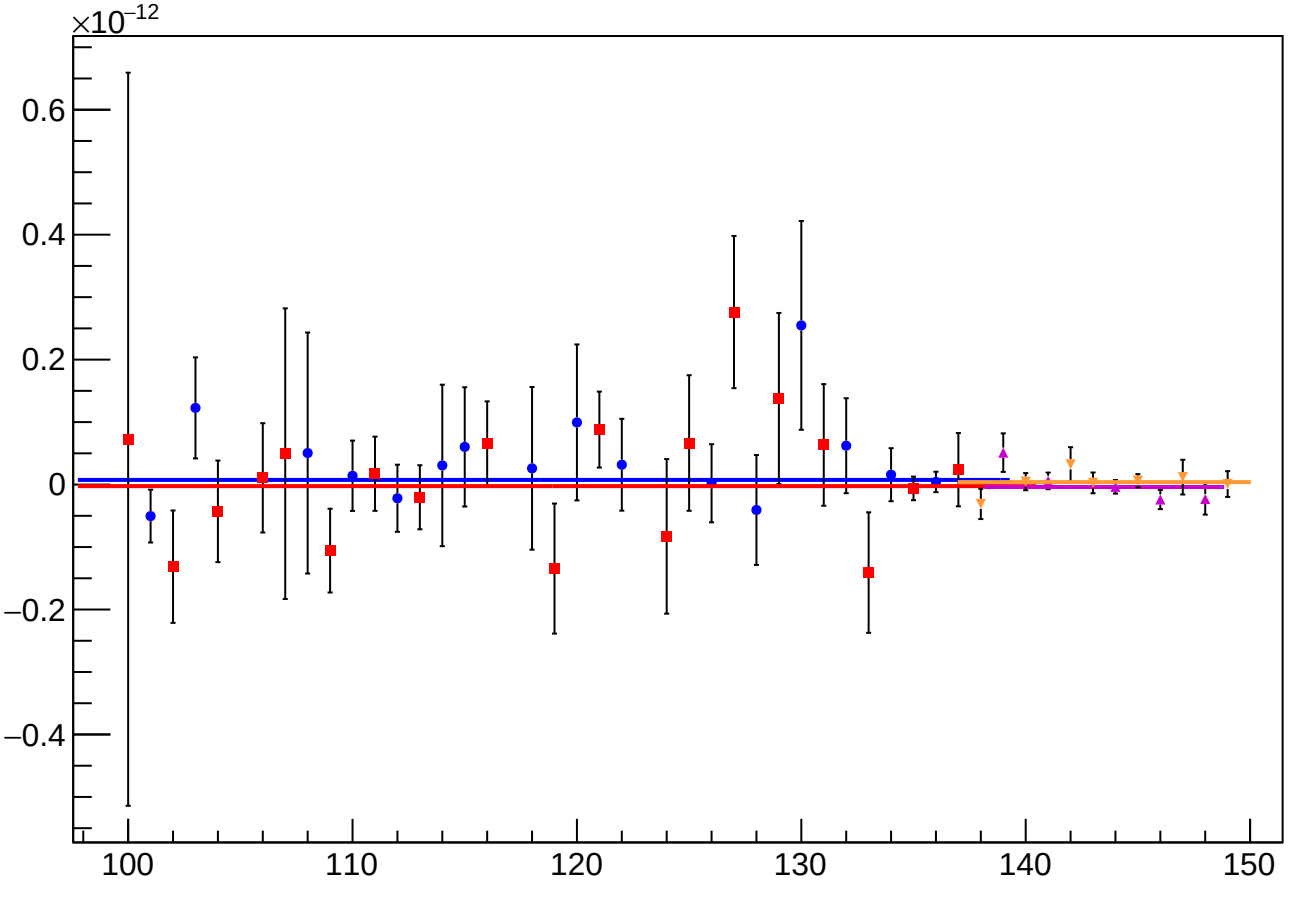
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 35.487+/-0.015 χ^2/NDF:1605084.7/4

+ sign 55.579+/-0.013 χ^2/NDF: 2265413.8/22

All: 50.174+/-0.009 χ^2/NDF: 7309991.6/46

- 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:3.3/6

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

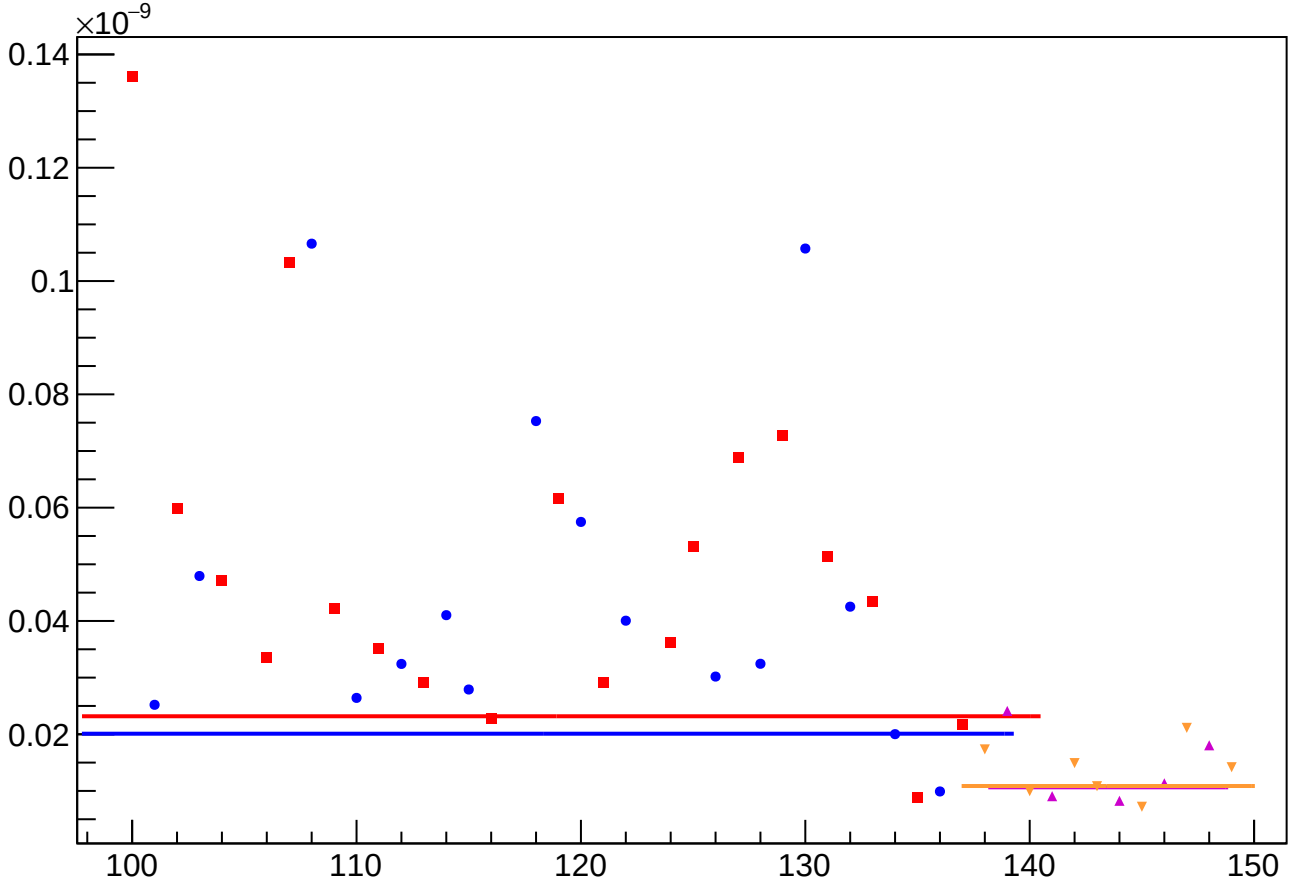
Left In: -0.000+/-0.000 χ^2/NDF:6.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 11.8/22

All: 0.000+/-0.000 χ^2/NDF: 38.4/46

- 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:756987.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

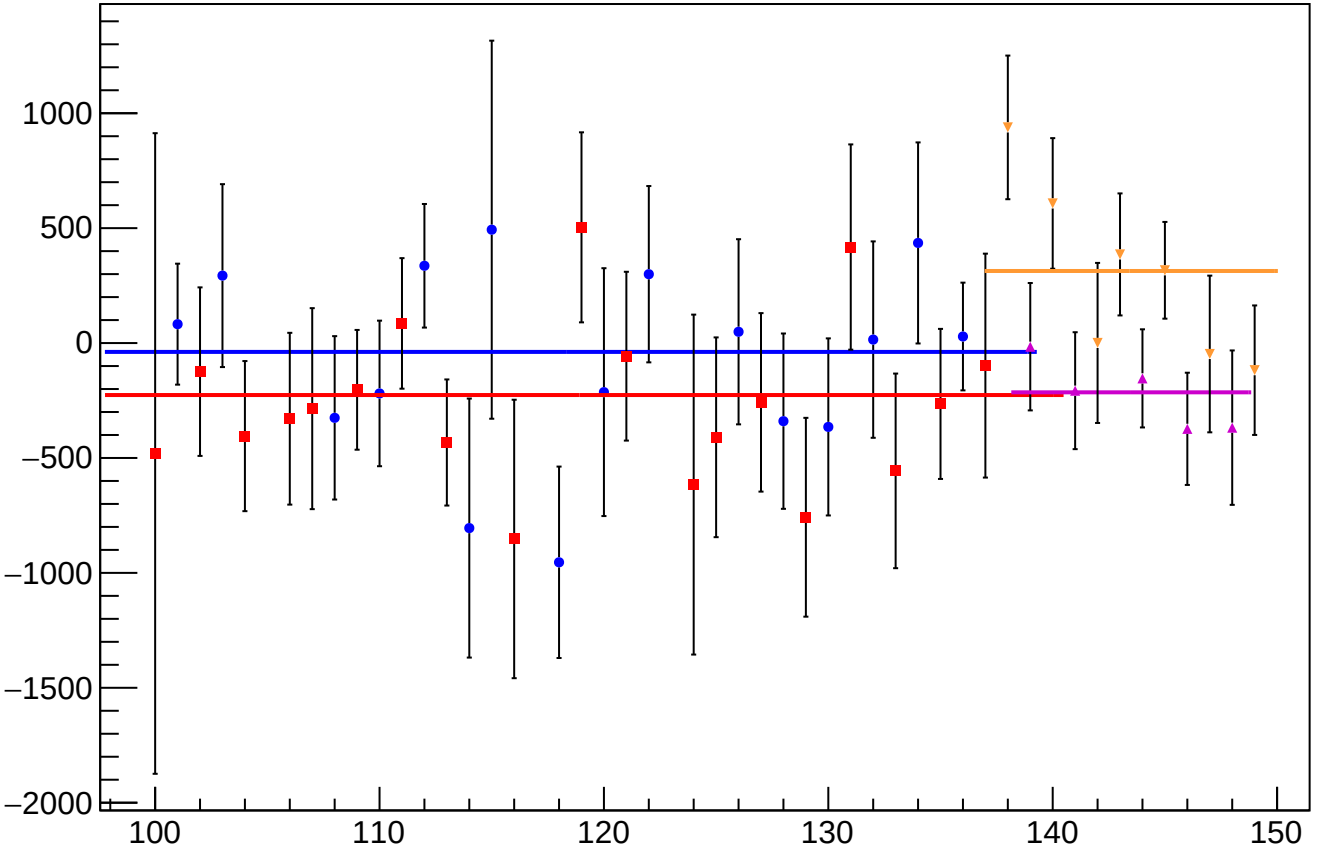
Left In: 0.000+/-0.000 χ^2/NDF:686229.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 4783494.2/22

All: 0.000+/-0.000 χ^2/NDF: 10369784.1/46

- sign 0.000+/-0.000 χ^2/NDF: 5582741.0/23

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 313.629+/-106.094 χ^2/NDF:9.4/6

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

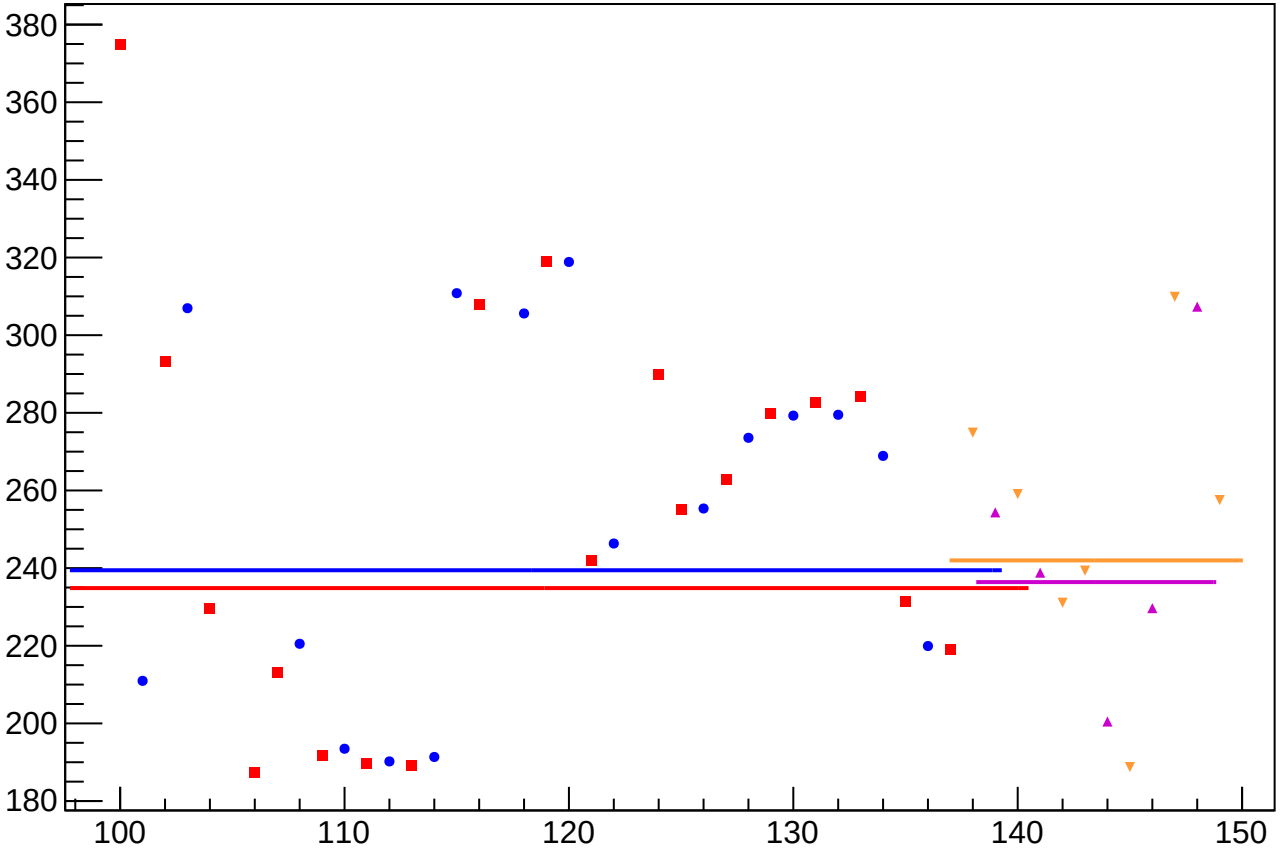
Left In: -214.375+/-114.669 χ^2/NDF:1.2/4

+ sign 110.034+/-68.905 χ^2/NDF: 30.3/22

All: -53.824+/-49.025 χ^2/NDF: 54.4/46

- 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: 241.983+/-0.075 χ^2/NDF:244945.9/6

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

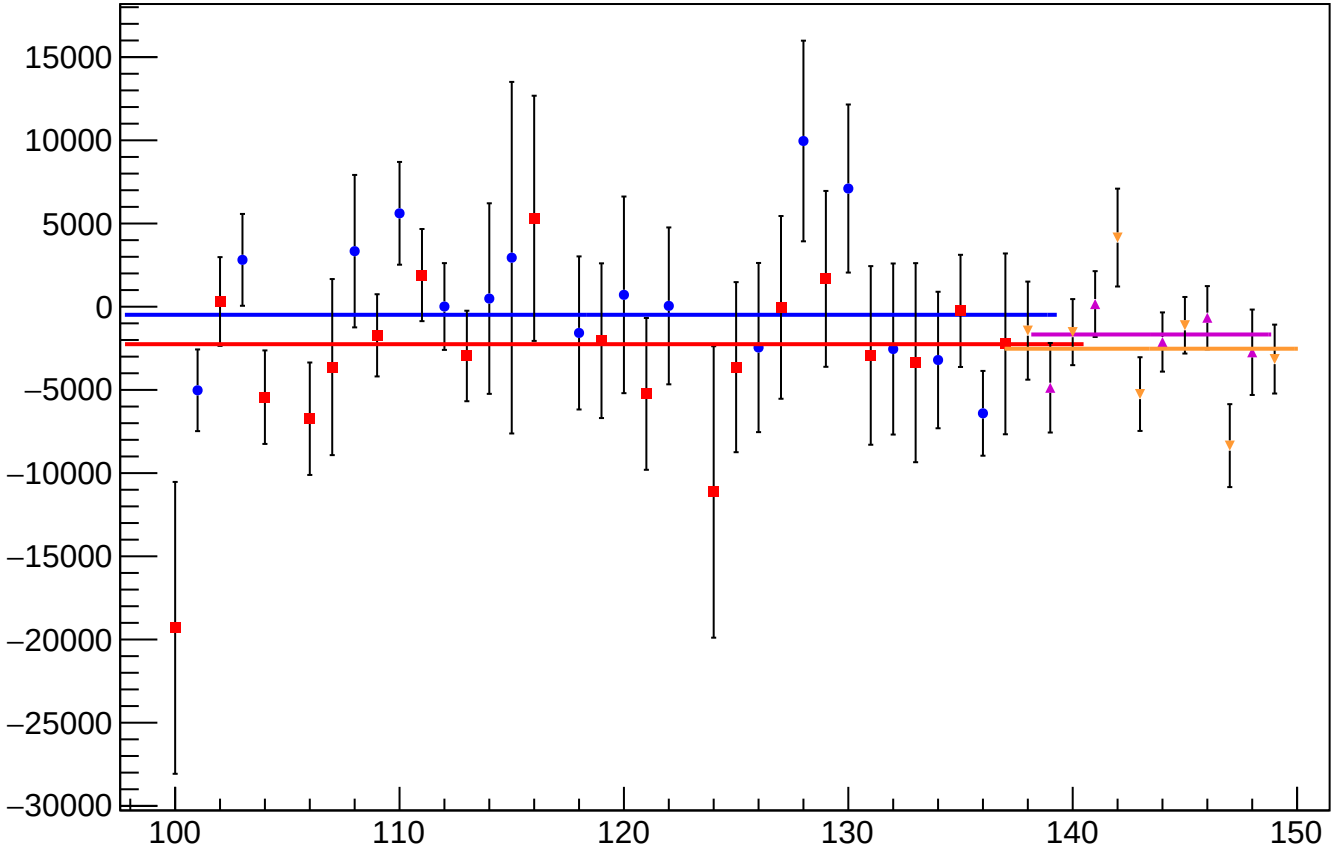
Left In: 236.399+/-0.081 χ^2/NDF:155904.0/4

+ sign 240.518+/-0.049 χ^2/NDF: 646561.4/22

All: 238.004+/-0.035 χ^2/NDF: 1289801.8/46

- 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: -2524.528+/-836.653 χ^2/NDF:13.3/6

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

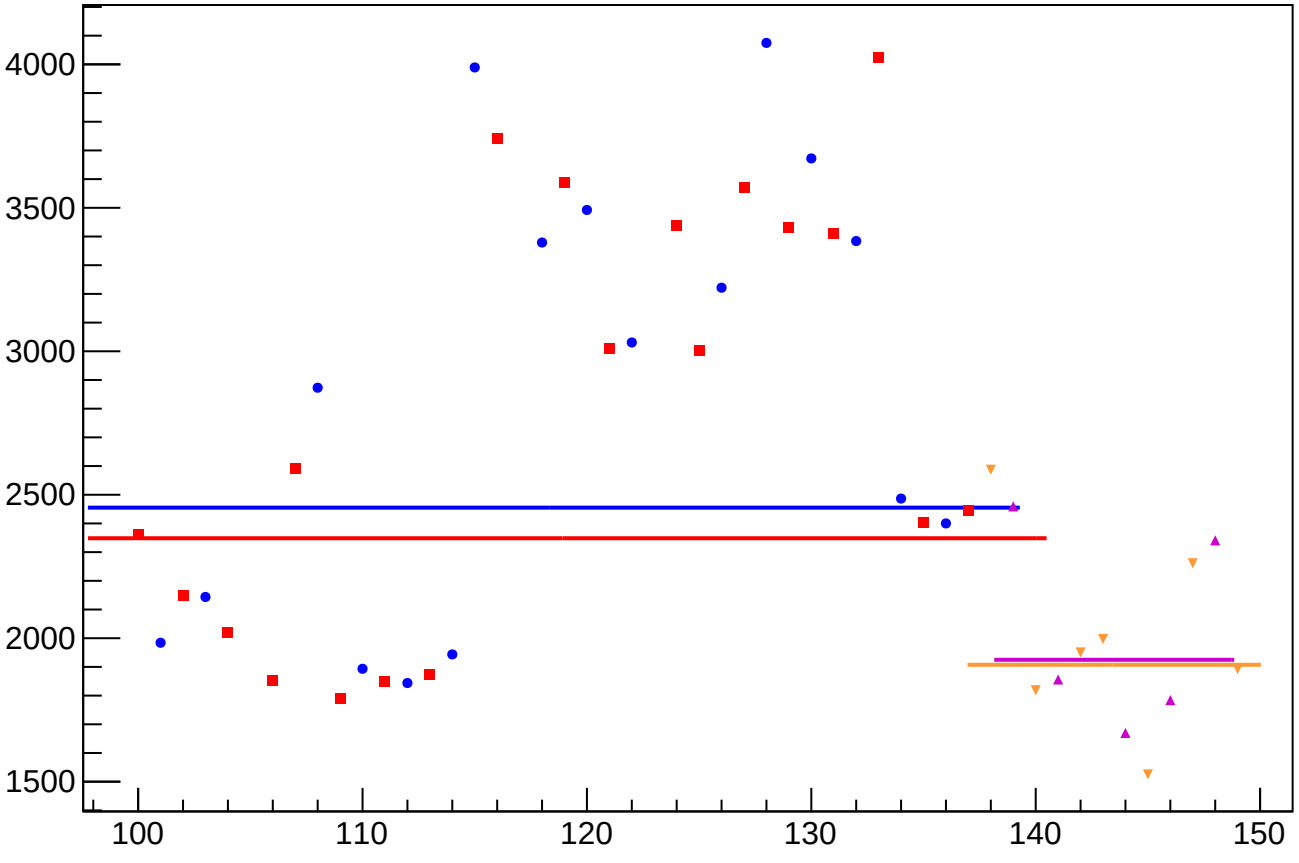
Left In: -1668.744+/-937.074 χ^2/NDF:2.8/4

+ sign -1631.355+/-627.137 χ^2/NDF: 37.0/22

All: -1797.349+/-450.281 χ^2/NDF: 54.1/46

- 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: 1907.463+/-0.592 χ^2/NDF:255572.1/6

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

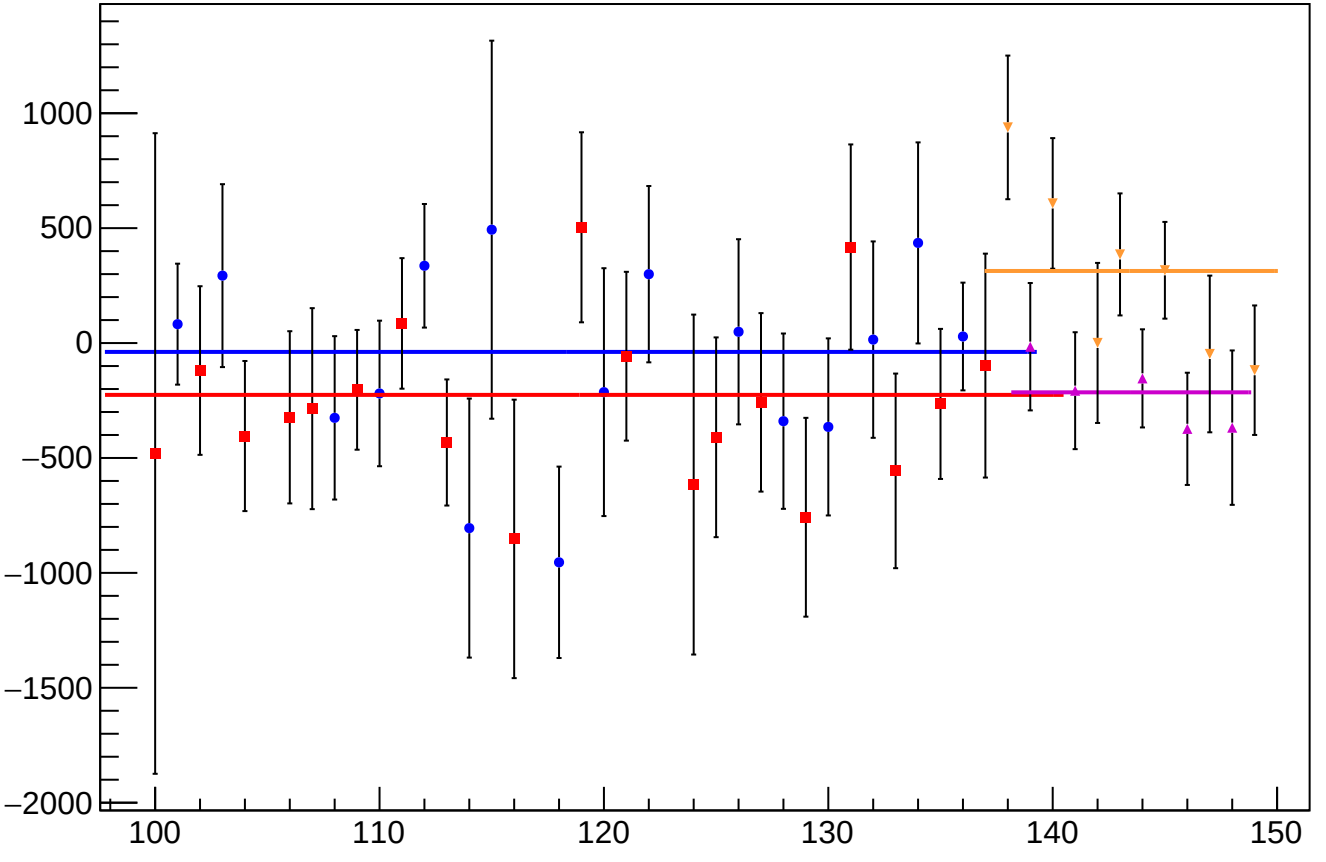
Left In: 1924.810+/-0.663 χ^2/NDF:186000.0/4

+ sign 2147.401+/-0.443 χ^2/NDF: 1525395.9/22

All: 2146.988+/-0.318 χ^2/NDF: 2977770.6/46

- sign 2146.548+/-0.457 χ^2/NDF: 1452372.9/23

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 313.658+/-106.094 χ^2/NDF:9.4/6

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

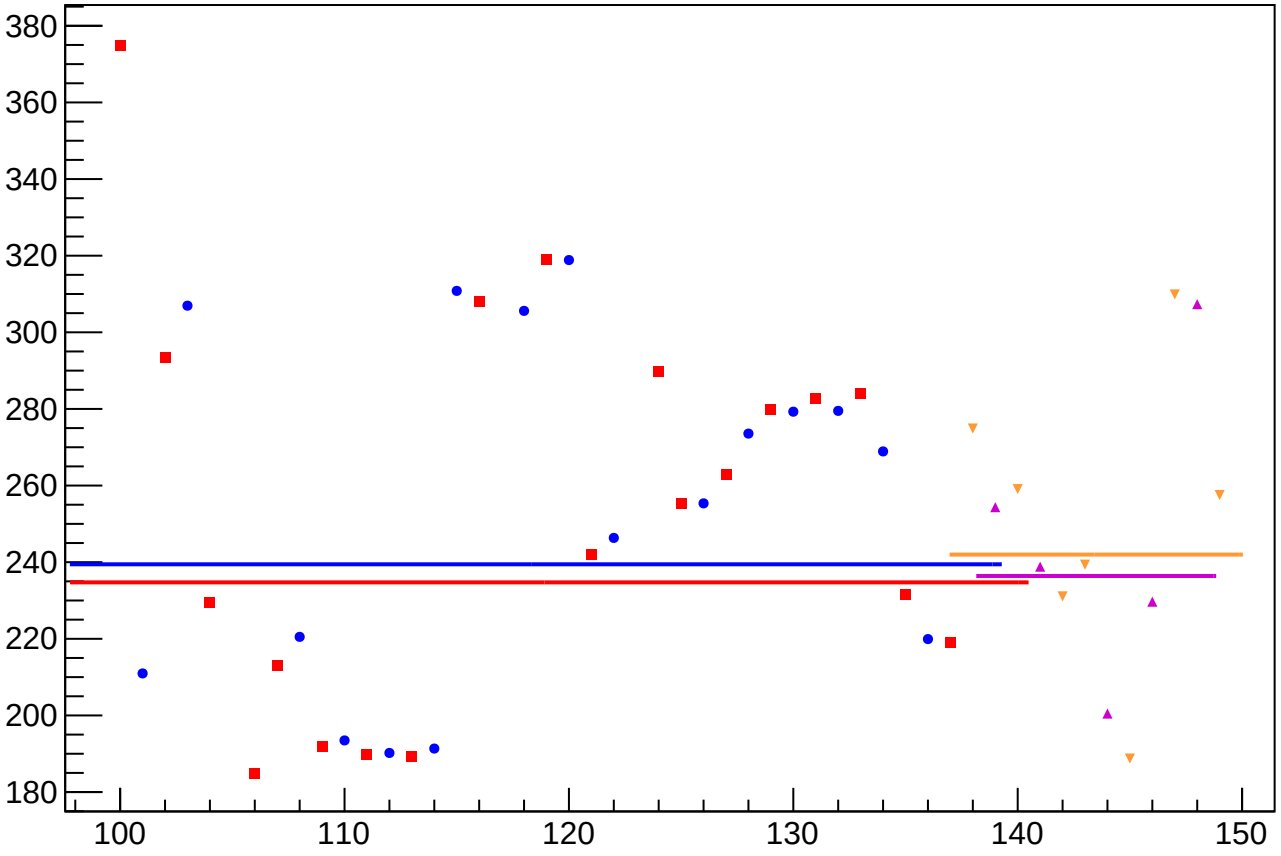
Left In: -214.397+/-114.669 χ^2/NDF:1.2/4

+ sign 110.034+/-68.905 χ^2/NDF: 30.3/22

All: -53.609+/-49.027 χ^2/NDF: 54.3/46

- 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: 241.983+/-0.075 χ^2/NDF:244945.9/6

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

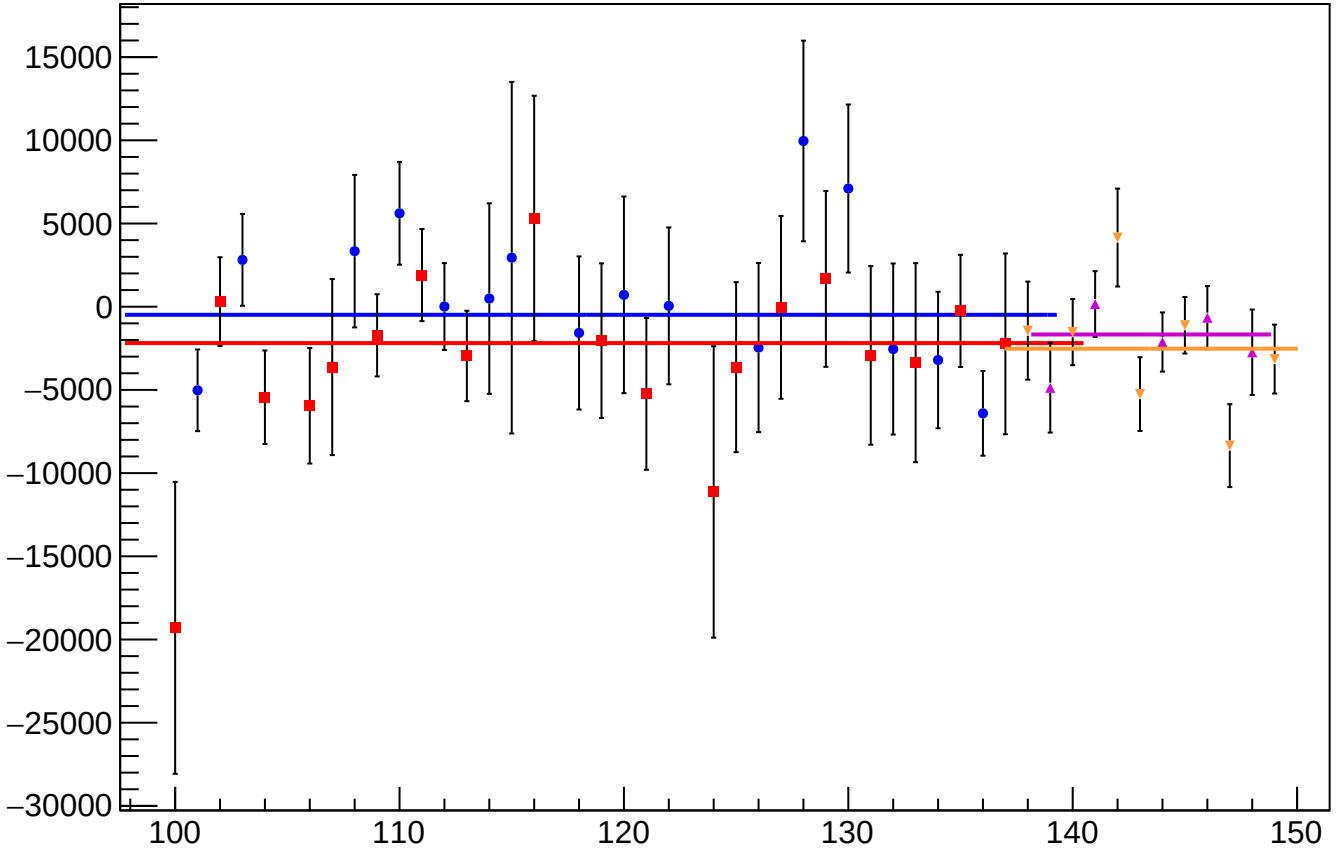
Left In: 236.399+/-0.081 χ^2/NDF:155904.0/4

+ sign 240.518+/-0.049 χ^2/NDF: 646563.7/22

All: 237.966+/-0.035 χ^2/NDF: 1293527.5/46

- 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: -2524.502+/-836.653 χ^2/NDF:13.3/6

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

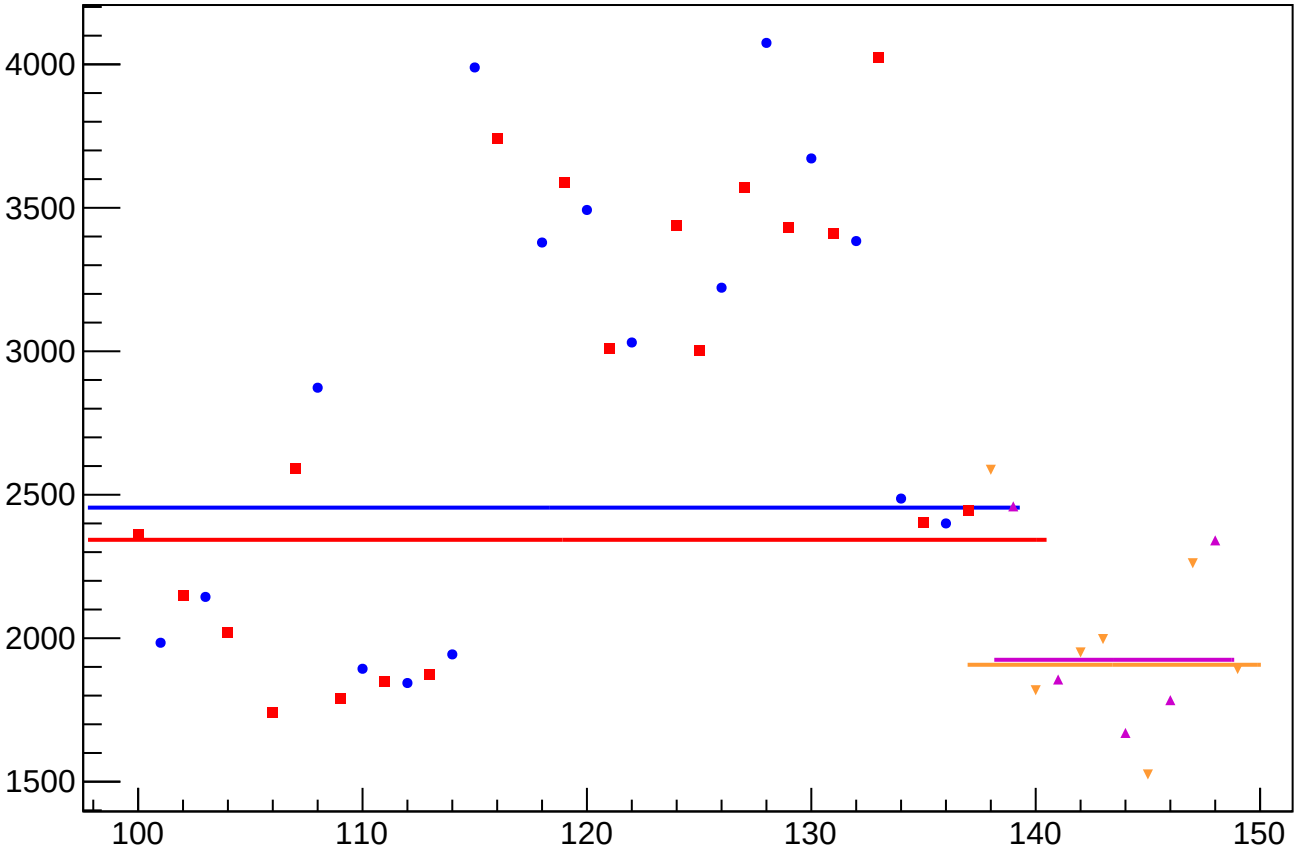
Left In: -1668.768+/-937.075 χ^2/NDF:2.8/4

+ sign -1631.424+/-627.140 χ^2/NDF: 37.0/22

All: -1779.998+/-450.498 χ^2/NDF: 53.3/46

- 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: 1907.463+/-0.592 χ^2/NDF:255573.7/6

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

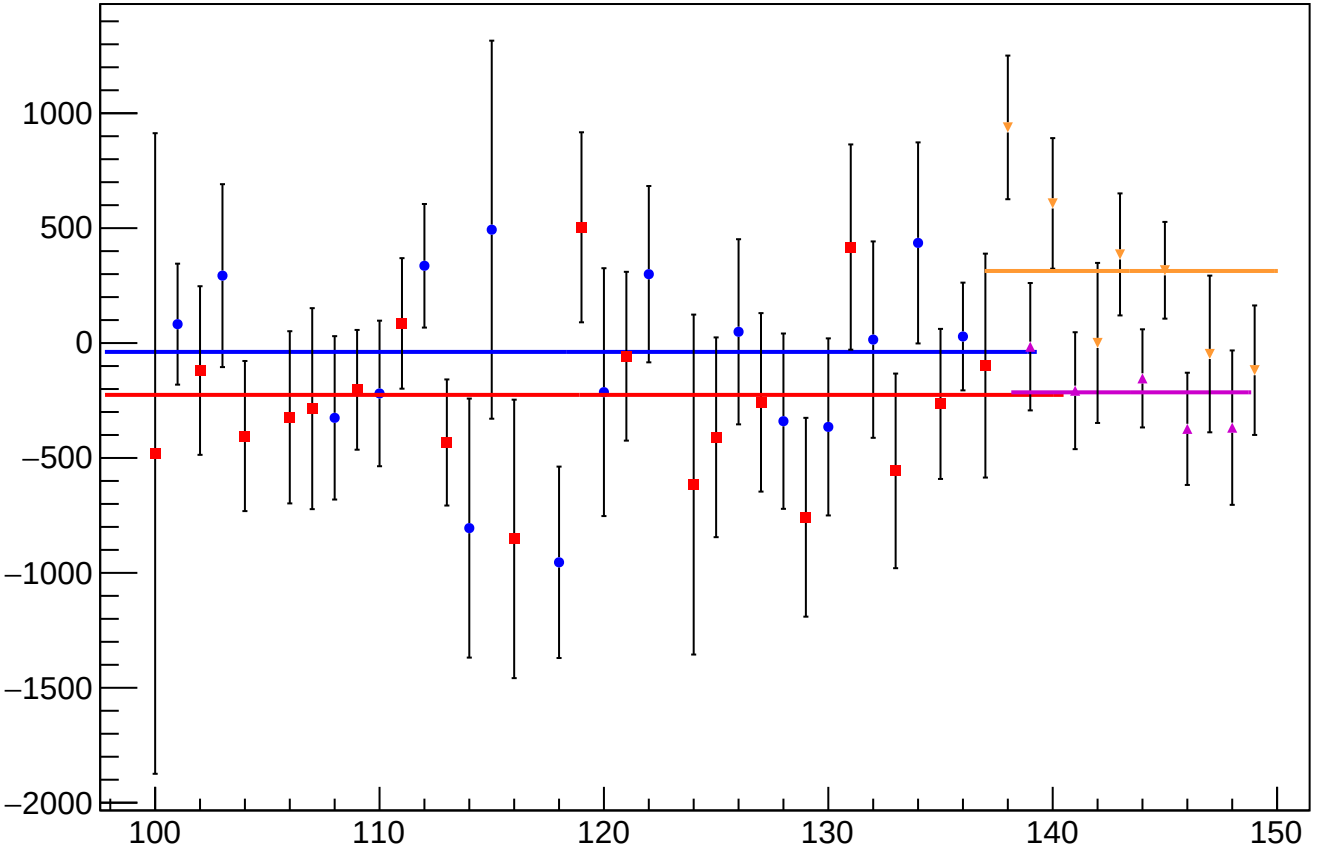
Left In: 1924.811+/-0.663 χ^2/NDF:185998.2/4

+ sign 2147.409+/-0.443 χ^2/NDF: 1525397.0/22

All: 2145.411+/-0.319 χ^2/NDF: 2989889.1/46

- 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: 313.658+/-106.094 χ^2/NDF:9.4/6

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

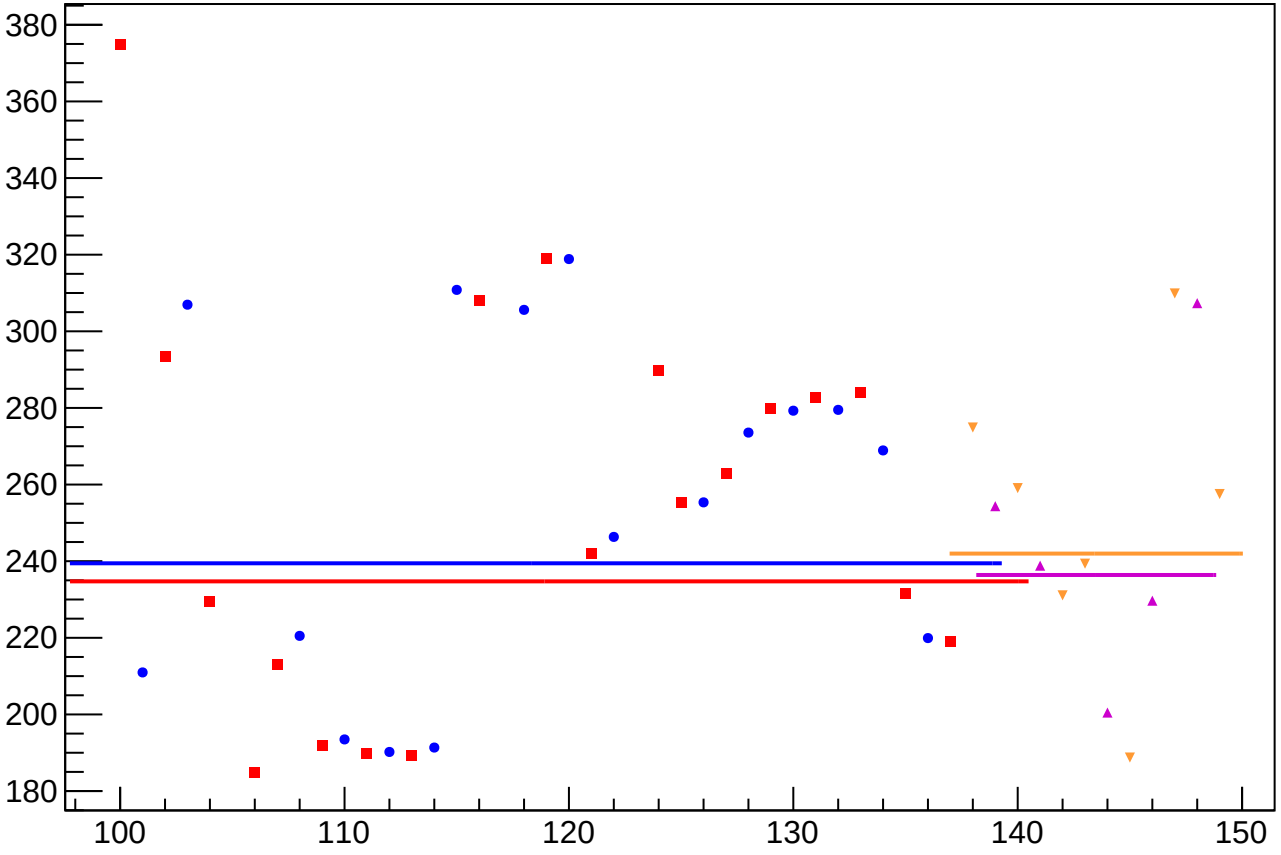
Left In: -214.397+/-114.669 χ^2/NDF:1.2/4

+ sign 110.034+/-68.905 χ^2/NDF: 30.3/22

All: -53.609+/-49.027 χ^2/NDF: 54.3/46

- 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: 241.983+/-0.075 χ^2/NDF:244945.9/6

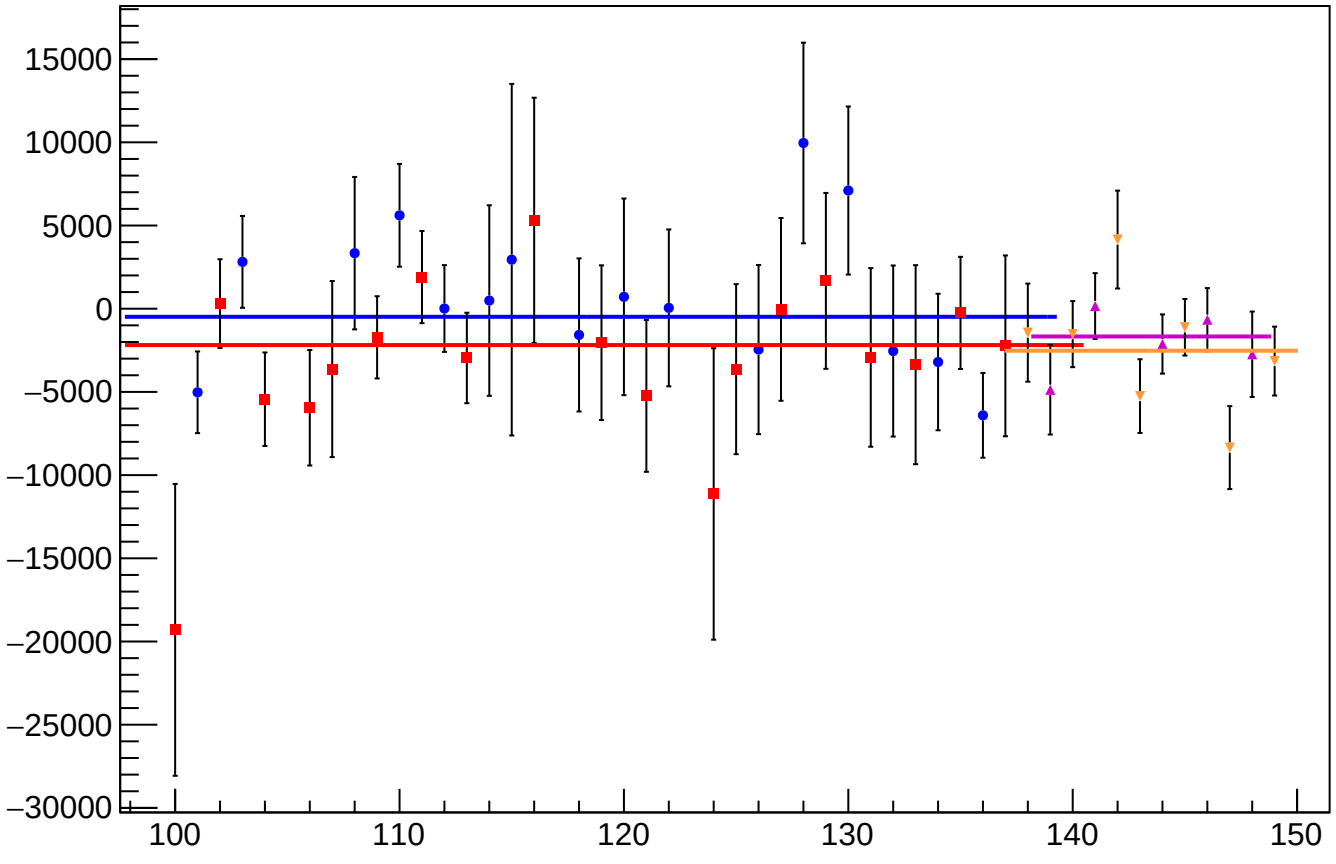
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 236.399+/-0.081 χ^2/NDF:155904.0/4

+ sign 240.518+/-0.049 χ^2/NDF: 646563.7/22

All: 237.966+/-0.035 χ^2/NDF: 1293527.5/46

- sign 235.350+/-0.049 χ^2/NDF: 641408.3/23



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2524.502+/-836.653 χ^2/NDF:13.3/6

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

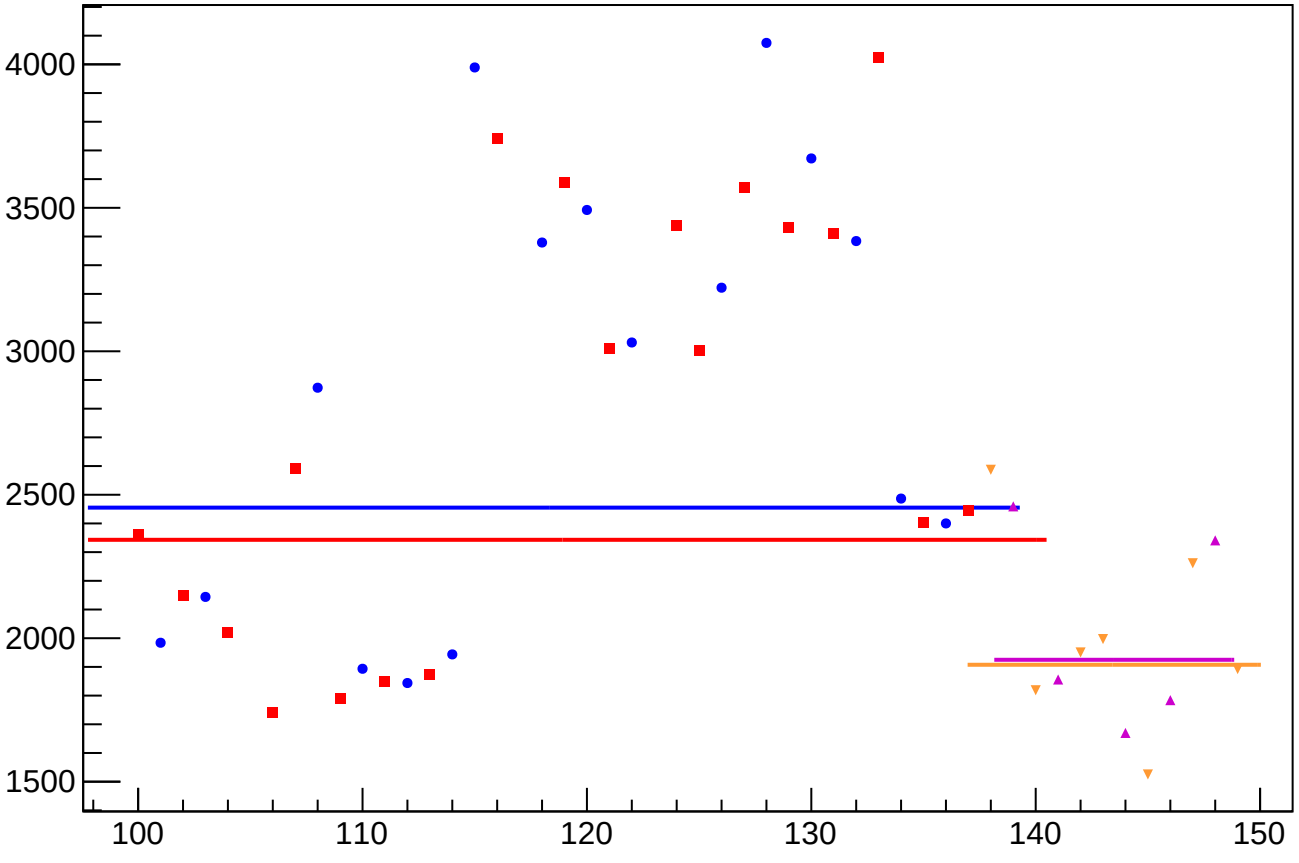
Left In: -1668.768+/-937.075 χ^2/NDF:2.8/4

+ sign -1631.424+/-627.140 χ^2/NDF: 37.0/22

All: -1779.998+/-450.498 χ^2/NDF: 53.3/46

- 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: 1907.463+/-0.592 χ^2/NDF:255573.7/6

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

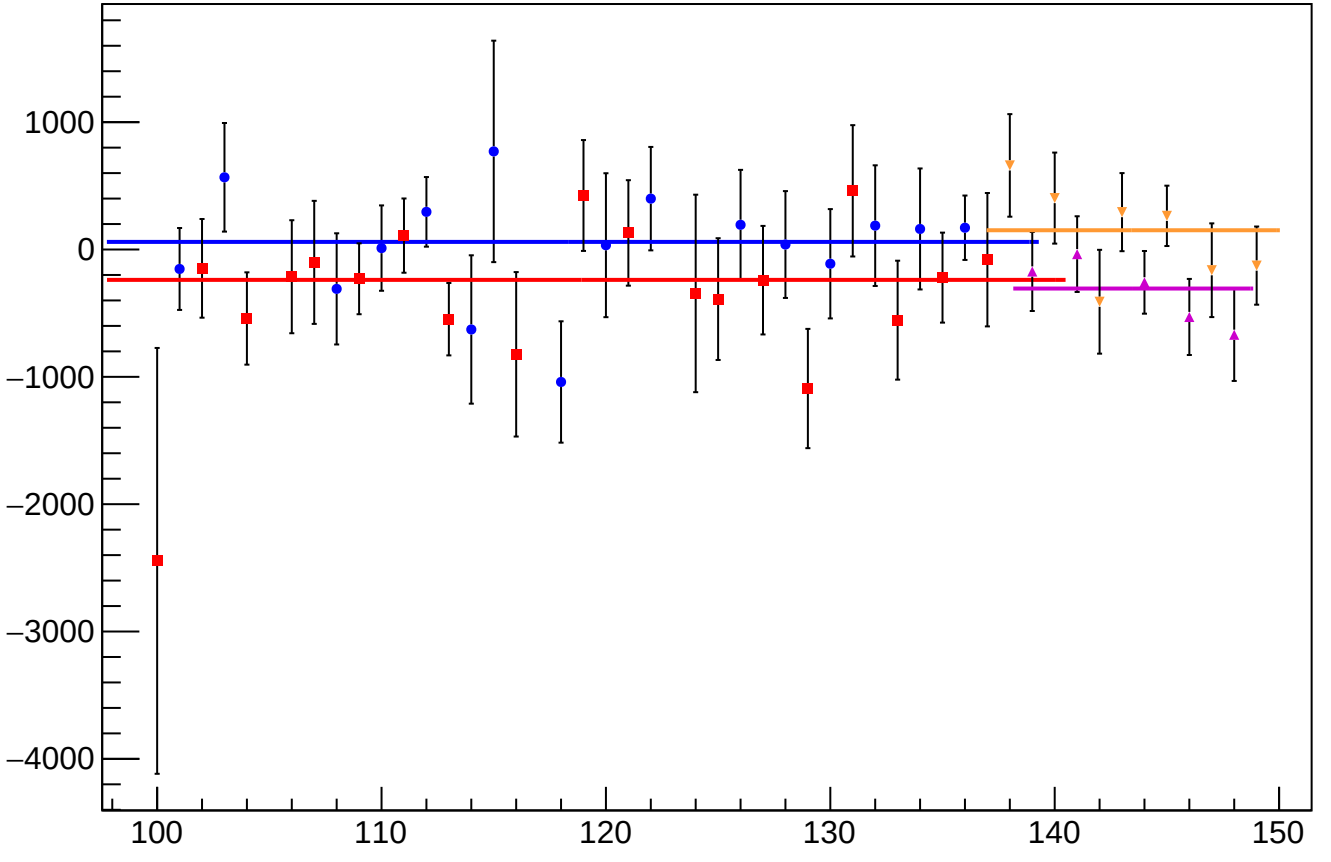
Left In: 1924.811+/-0.663 χ^2/NDF:185998.2/4

+ sign 2147.409+/-0.443 χ^2/NDF: 1525397.0/22

All: 2145.411+/-0.319 χ^2/NDF: 2989889.1/46

- 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: 151.196+/-122.676 χ^2/NDF:6.0/6

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

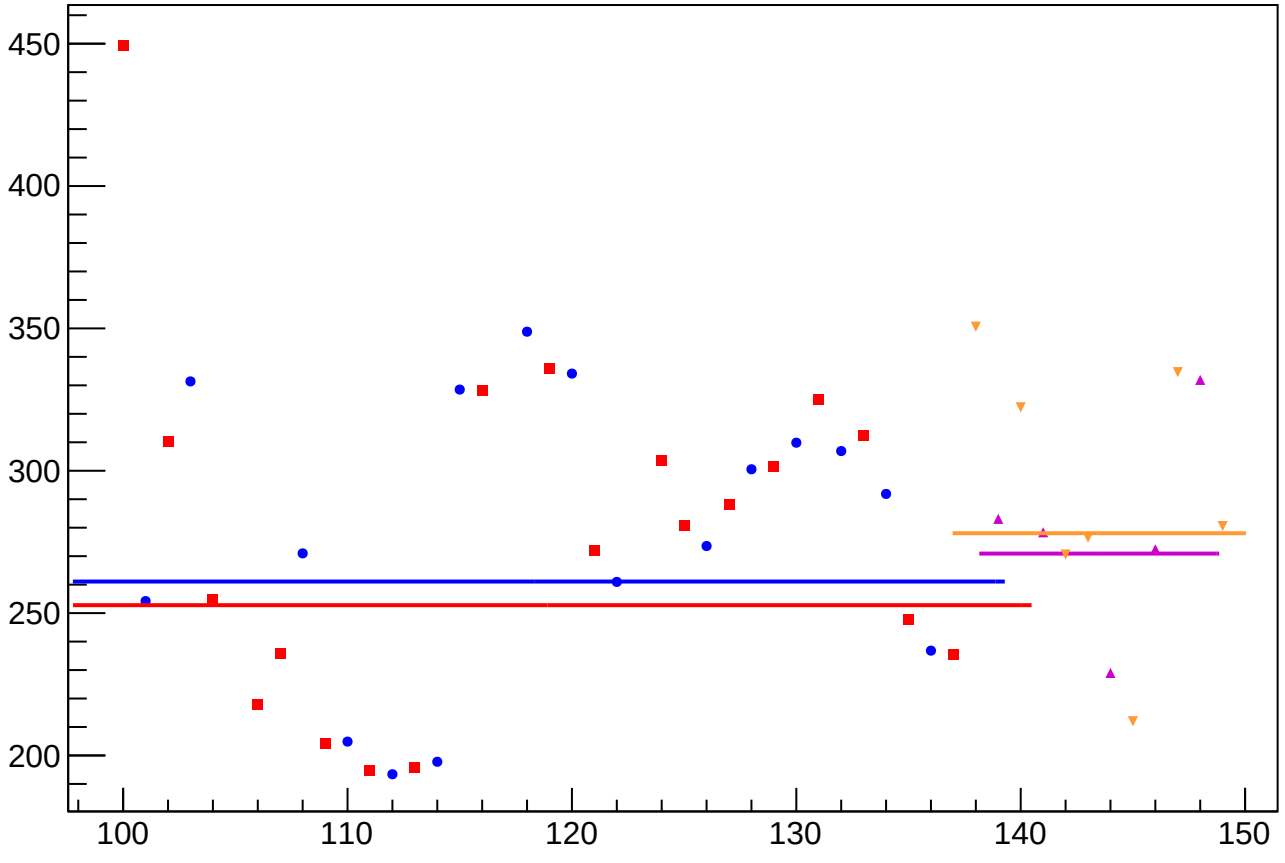
Left In: -306.588+/-132.428 χ^2/NDF:2.6/4

\+ sign 95.904+/-77.150 χ^2/NDF: 18.3/22

All: -82.706+/-54.580 χ^2/NDF: 46.8/46

\- 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: 278.056+/-0.087 χ^2/NDF:298998.2/6

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

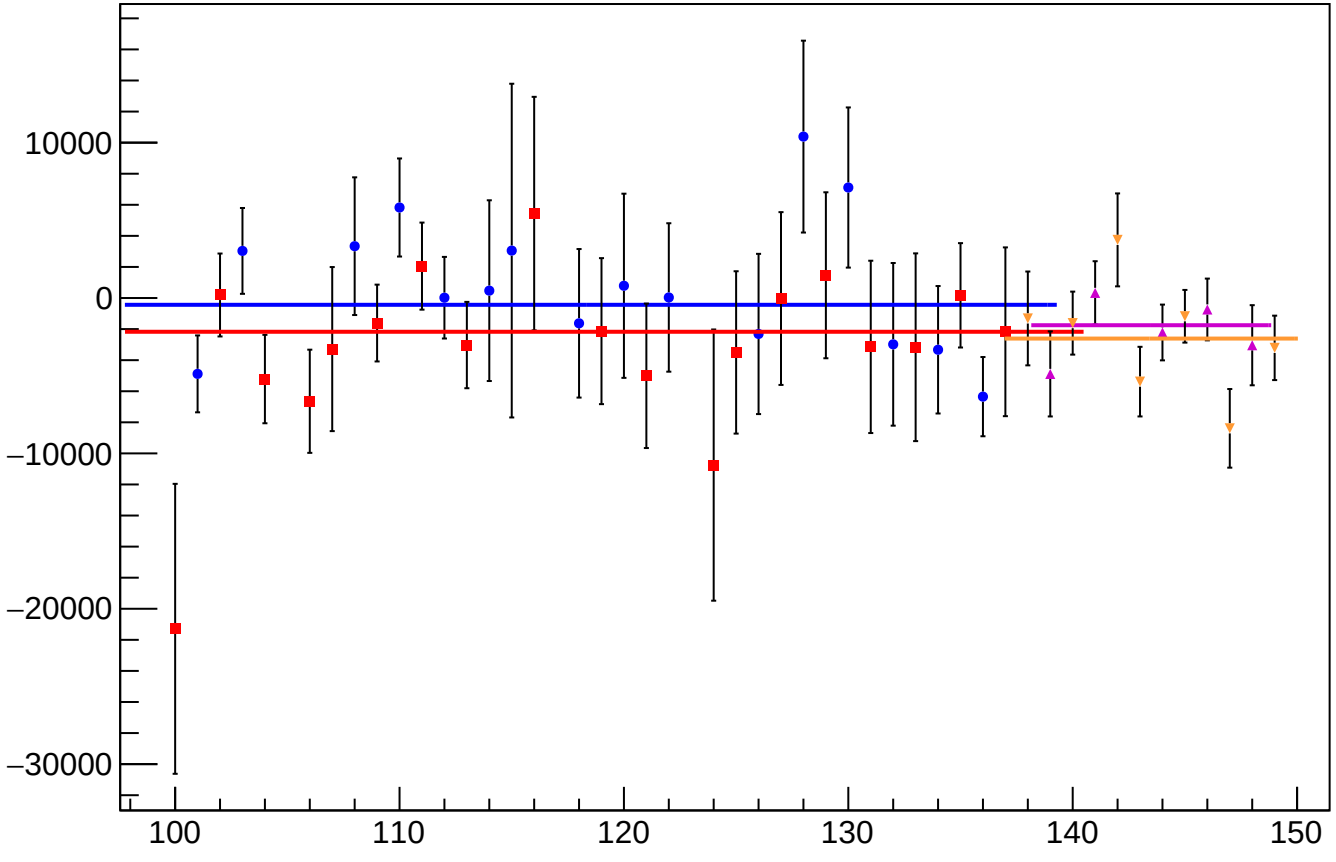
Left In: 270.908+/-0.094 χ^2/NDF:118977.5/4

+ sign 267.799+/-0.055 χ^2/NDF: 784787.2/22

All: 263.379+/-0.039 χ^2/NDF: 1478915.8/46

- sign 258.949+/-0.055 χ^2/NDF: 680982.7/23

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2609.787+/-844.905 χ^2/NDF:12.5/6

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

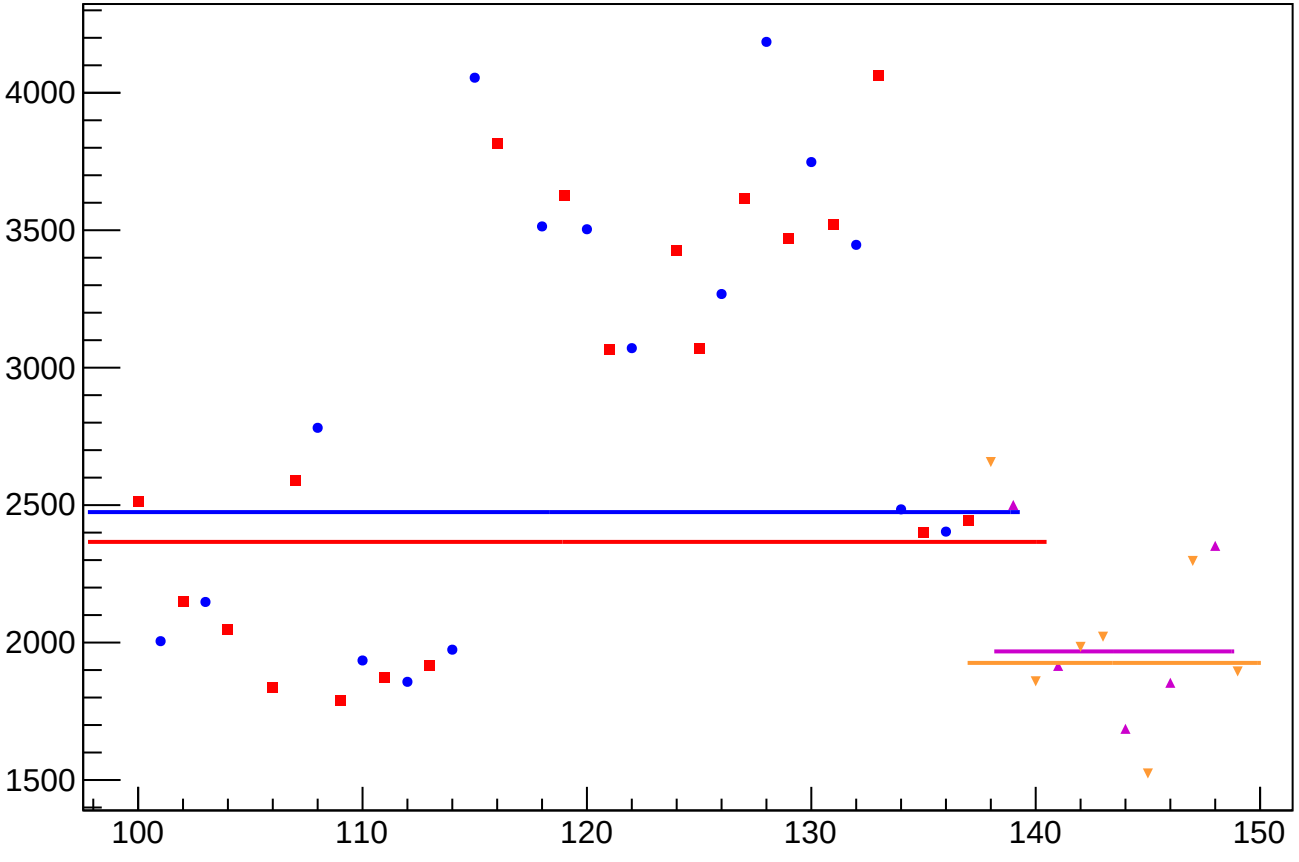
Left In: -1750.637+/-958.642 χ^2/NDF:2.9/4

\+ sign -1655.834+/-632.838 χ^2/NDF: 36.6/22

All: -1809.250+/-455.645 χ^2/NDF: 53.7/46

\- 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: 1926.009+/-0.597 χ^2/NDF:279680.2/6

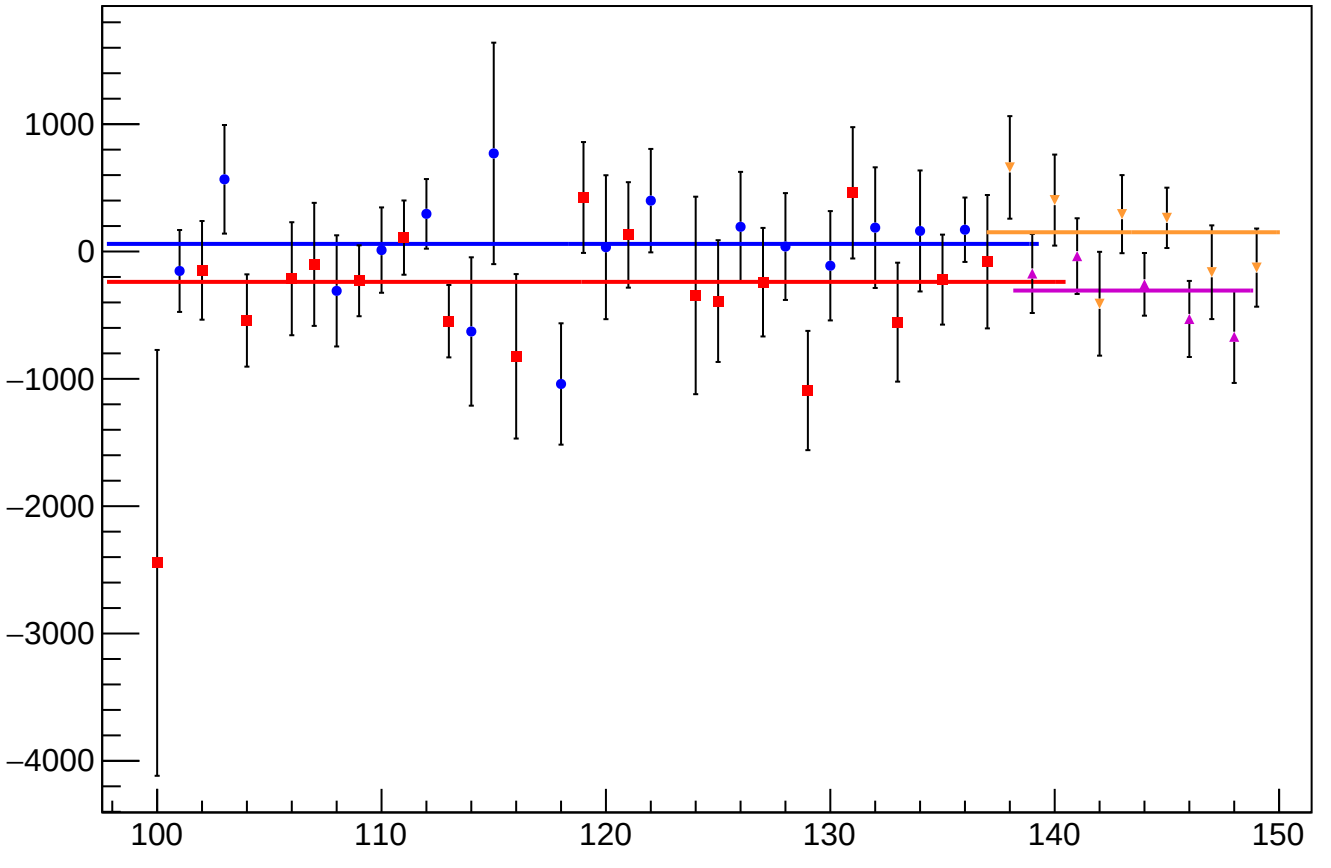
Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 1967.784+/-0.678 χ^2/NDF:177335.5/4

+ sign 2166.846+/-0.447 χ^2/NDF: 1566102.0/22

All: 2172.853+/-0.322 χ^2/NDF: 3004411.4/46

- sign 2179.318+/-0.464 χ^2/NDF: 1437935.3/23



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 151.196+/-122.676 χ^2/NDF:6.0/6

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

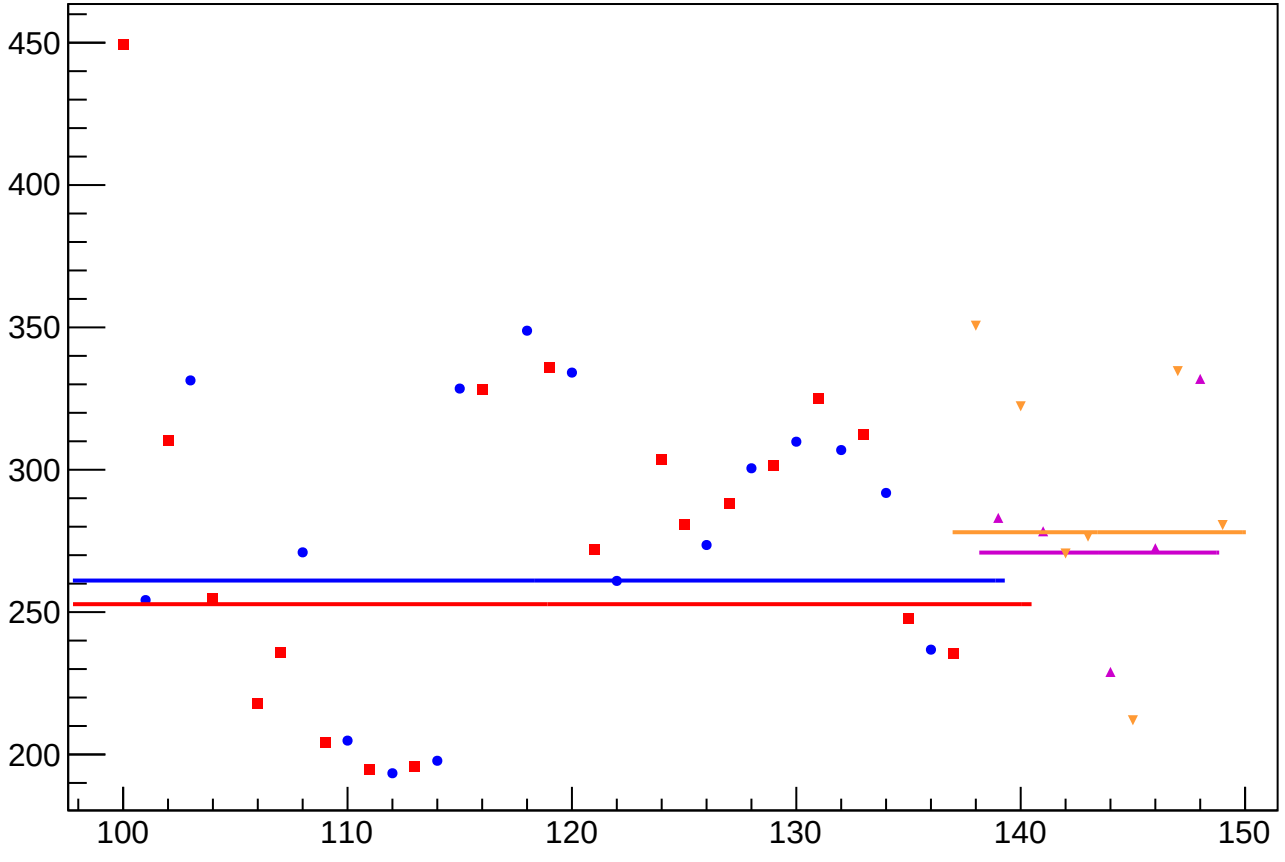
Left In: -306.589+/-132.428 χ^2/NDF:2.6/4

+ sign 95.907+/-77.150 χ^2/NDF: 18.3/22

All: -82.705+/-54.580 χ^2/NDF: 46.8/46

- 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: 278.056+/-0.087 χ^2/NDF:298993.5/6

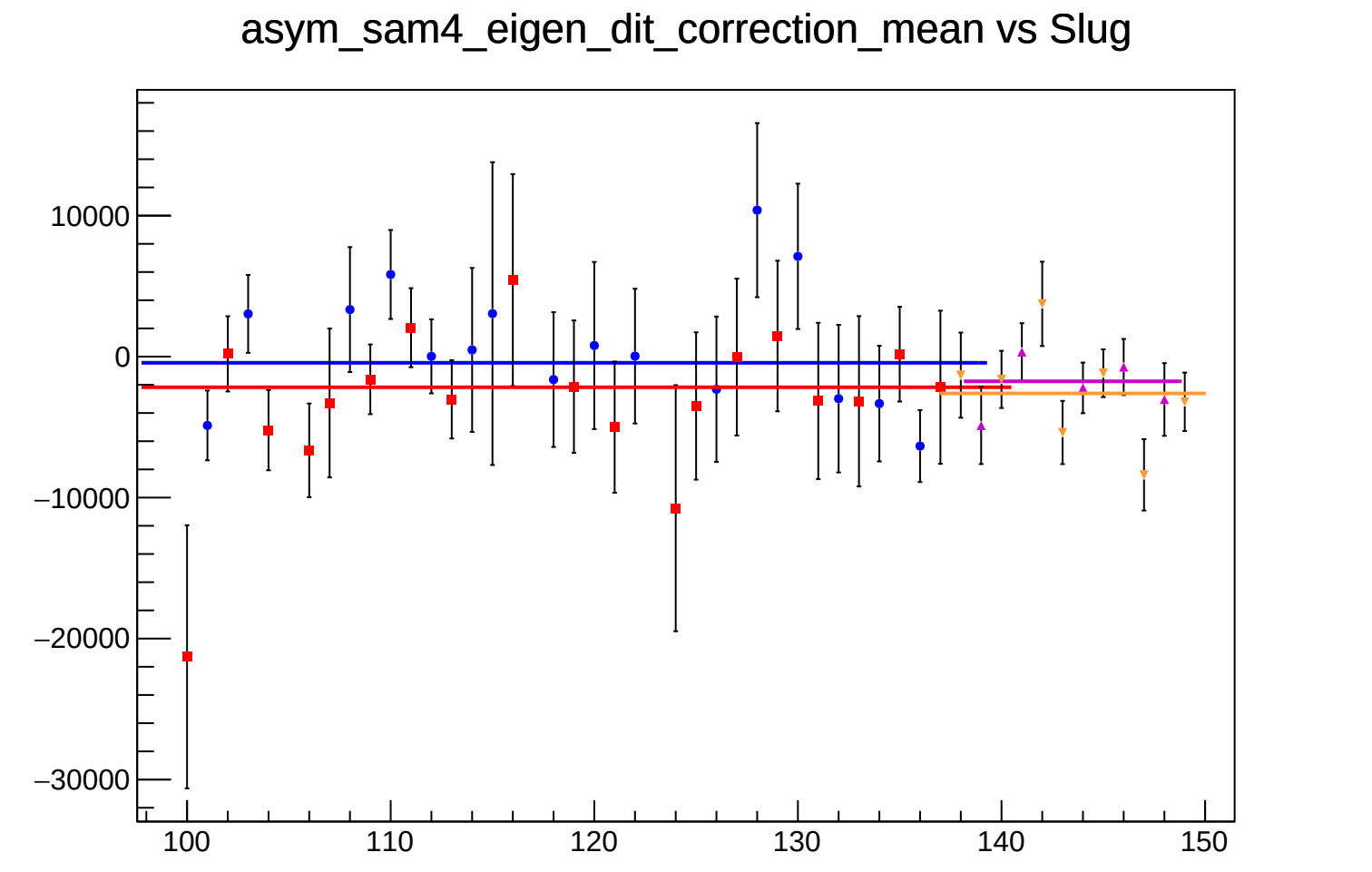
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 270.909+/-0.094 χ^2/NDF:118975.7/4

+ sign 267.800+/-0.055 χ^2/NDF: 784786.6/22

All: 263.379+/-0.039 χ^2/NDF: 1478918.0/46

- 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: -2609.785+/-844.904 χ^2/NDF:12.5/6

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

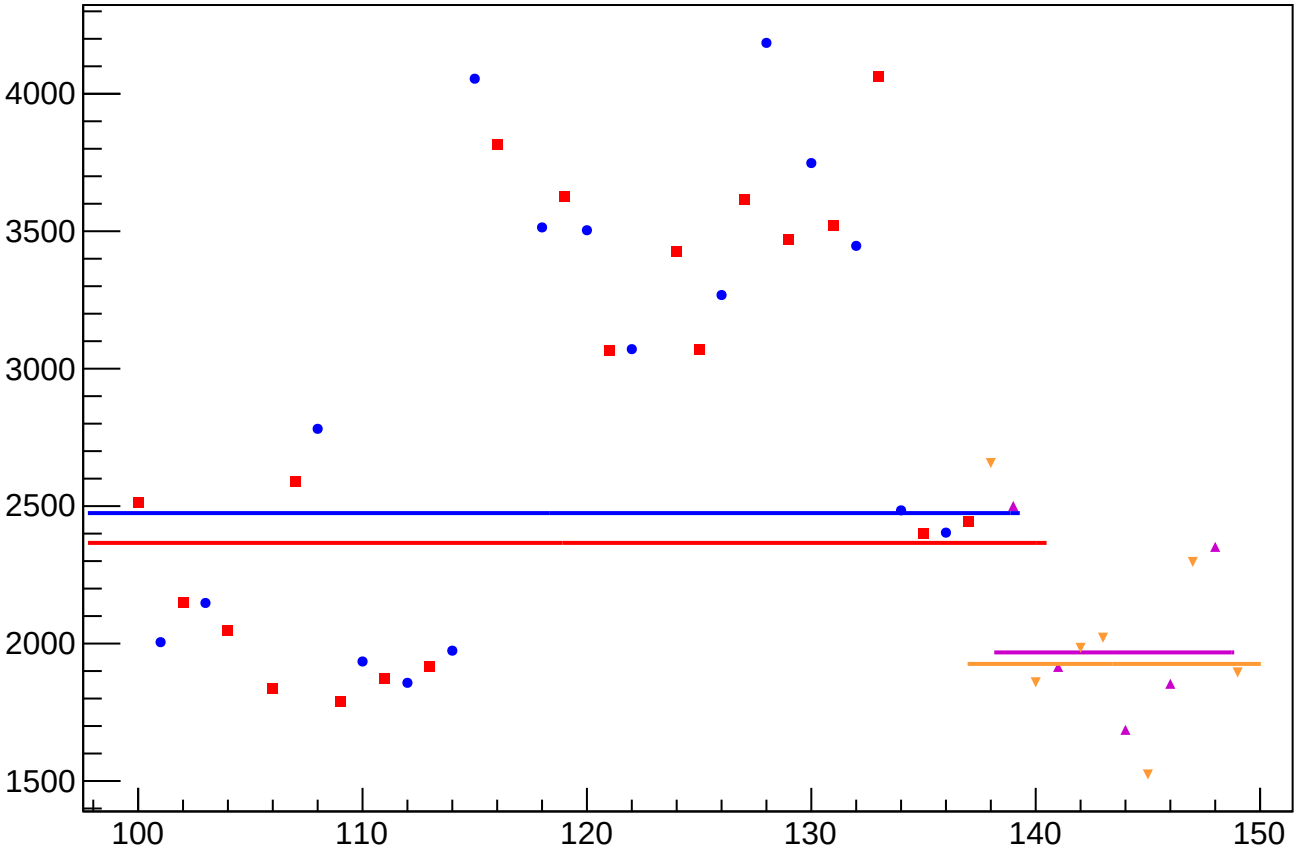
Left In: -1750.637+/-958.642 χ^2/NDF:2.9/4

+ sign -1655.833+/-632.837 χ^2/NDF: 36.6/22

All: -1809.249+/-455.644 χ^2/NDF: 53.7/46

- 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: 1926.007+/-0.597 χ^2/NDF:279682.9/6

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

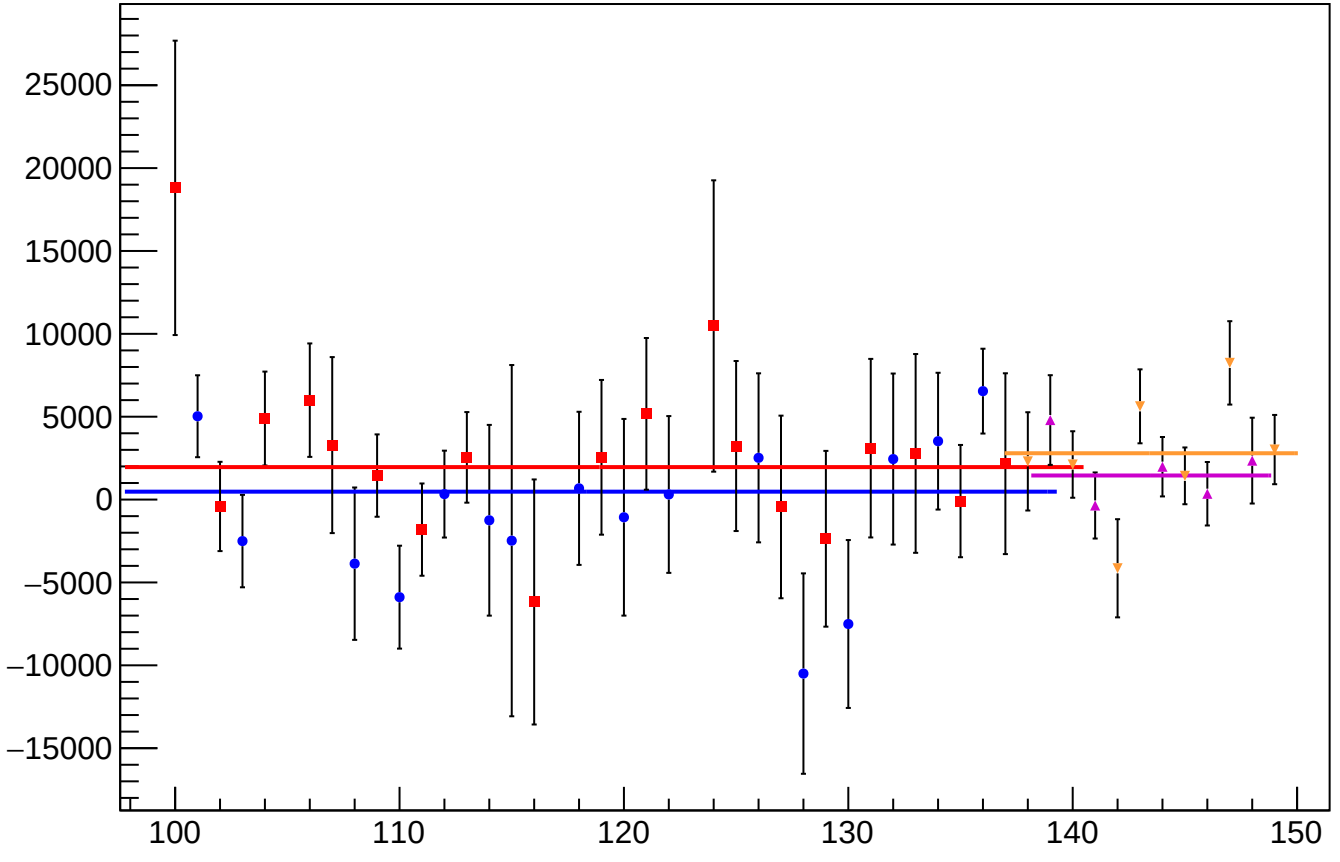
Left In: 1967.783+/-0.678 χ^2/NDF:177335.9/4

+ sign 2166.844+/-0.447 χ^2/NDF: 1566109.3/22

All: 2172.851+/-0.322 χ^2/NDF: 3004421.0/46

- 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: 2795.526+/-843.653 χ^2/NDF:12.6/6

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

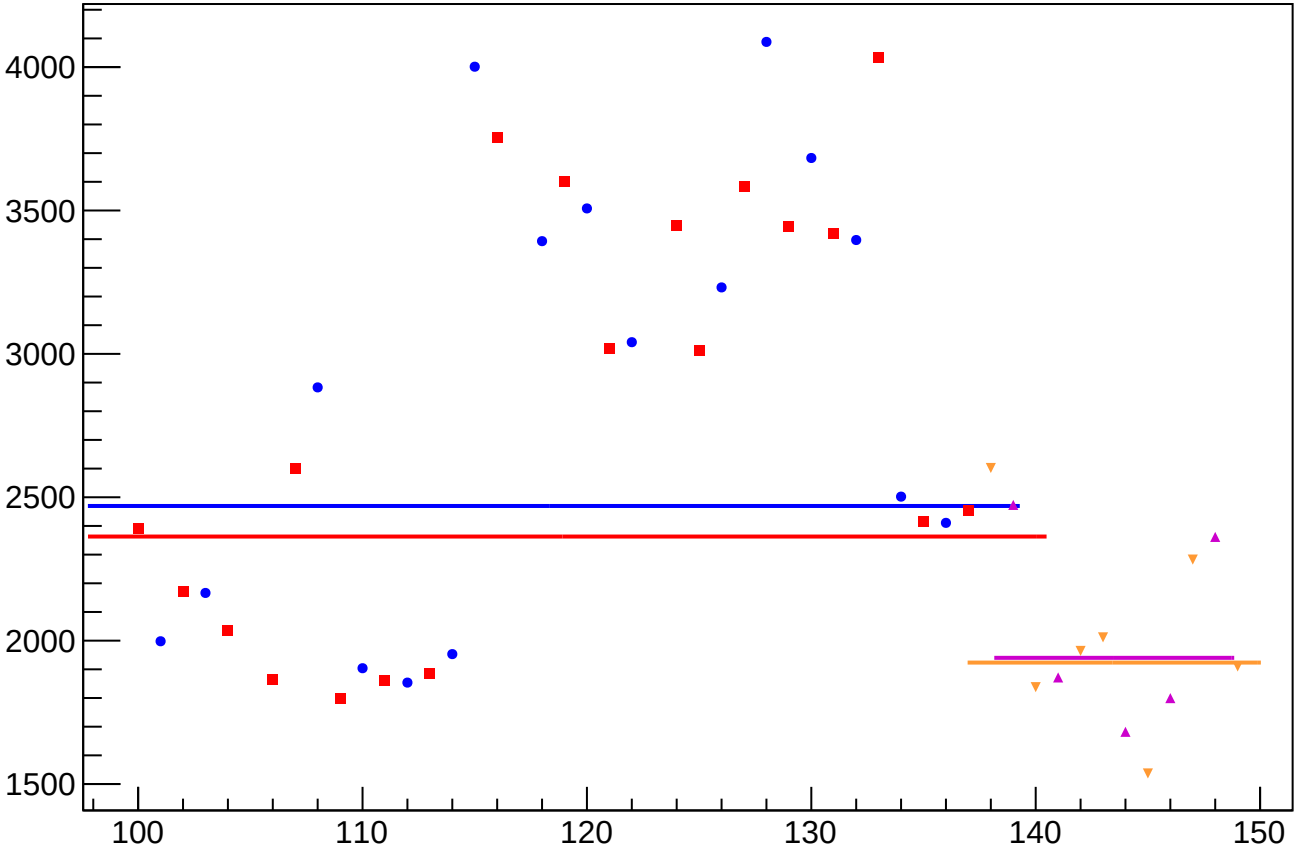
Left In: 1453.292+/-944.407 χ^2/NDF:2.9/4

+ sign 1776.679+/-631.619 χ^2/NDF: 38.0/22

All: 1748.563+/-453.459 χ^2/NDF: 53.9/46

- 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: 1923.551+/-0.597 χ^2/NDF:254667.7/6

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

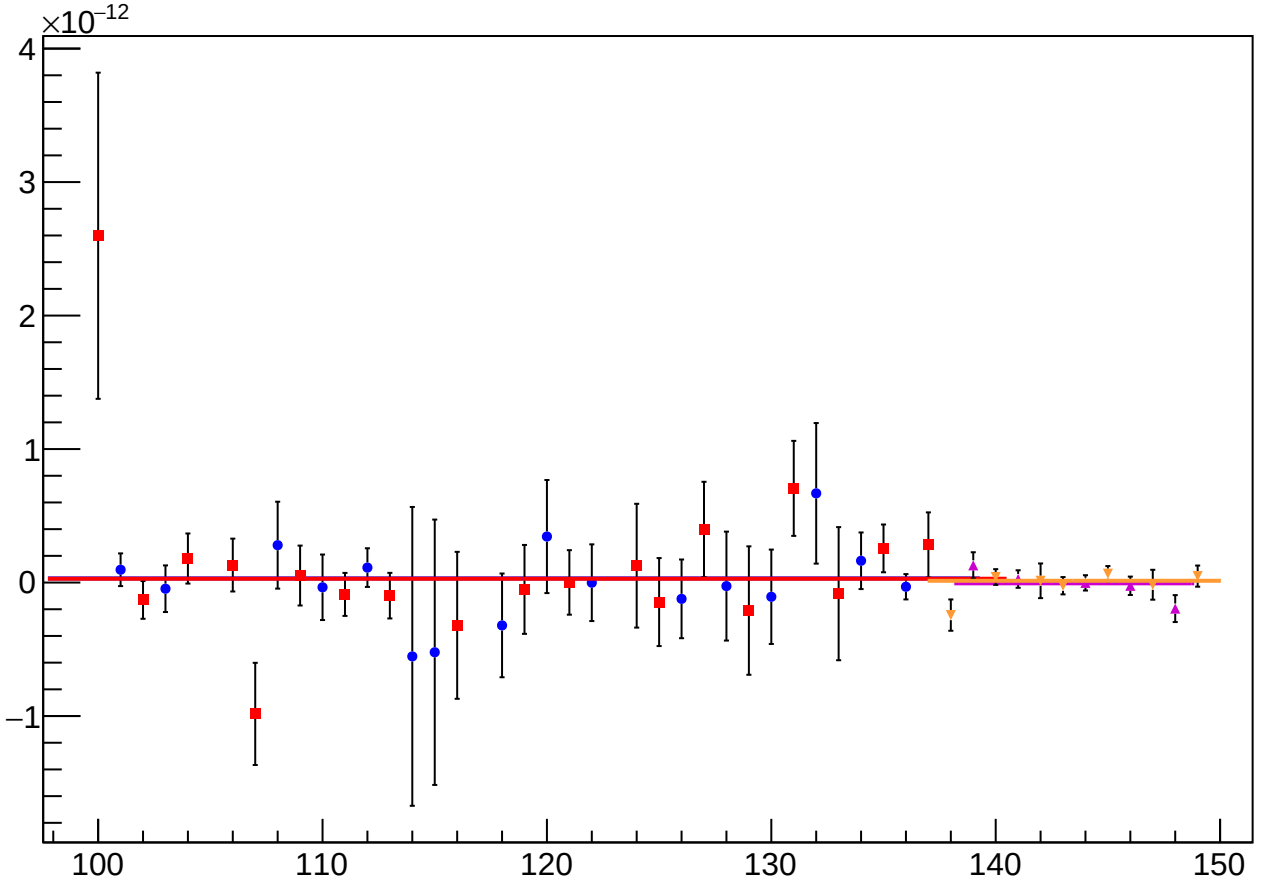
Left In: 1940.090+/-0.668 χ^2/NDF:185270.7/4

+ sign 2163.552+/-0.447 χ^2/NDF: 1509126.6/22

All: 2162.712+/-0.321 χ^2/NDF: 2948046.9/46

- 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:6.5/6

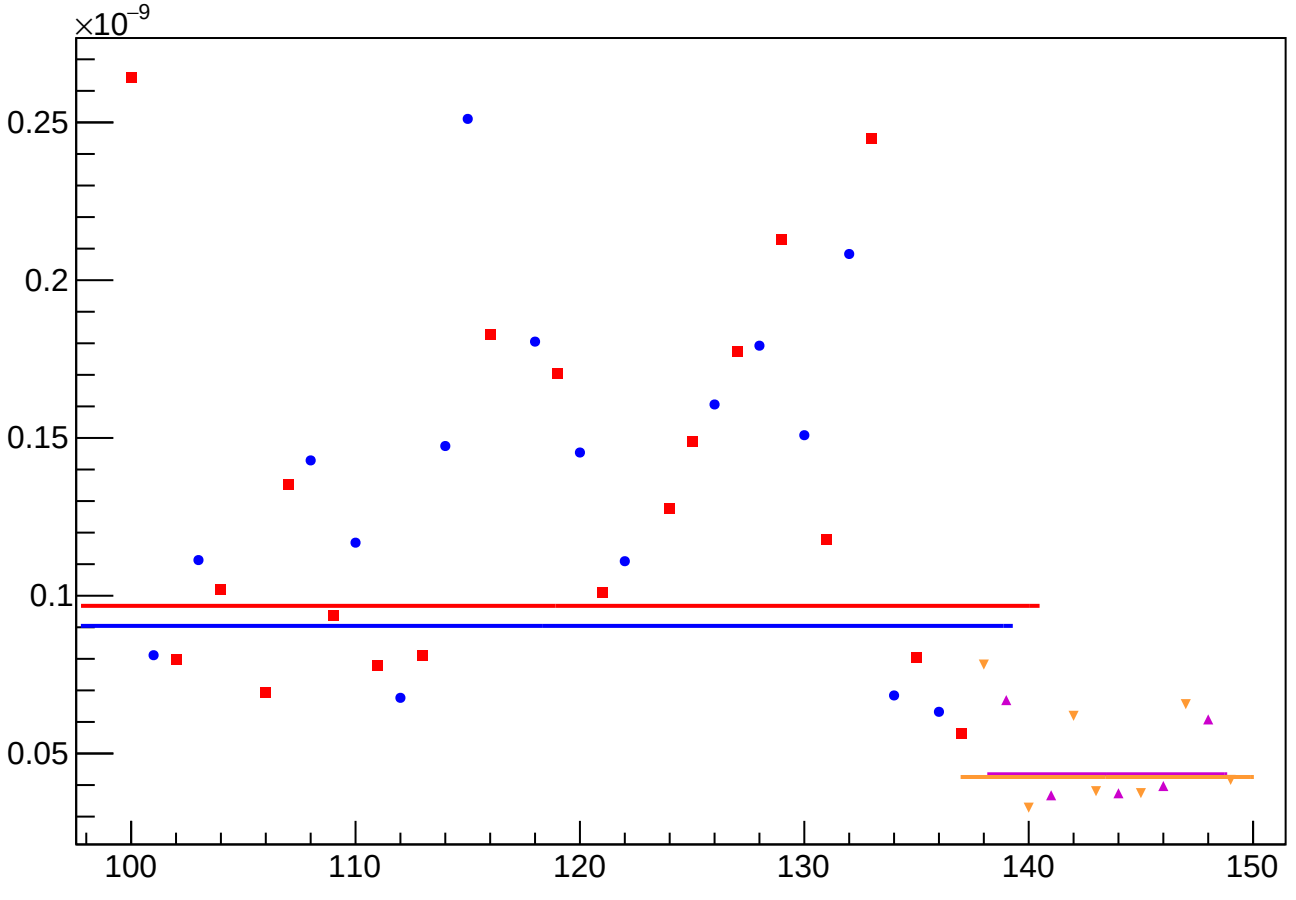
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 12.7/22

All: 0.000+/-0.000 χ^2/NDF: 42.0/46

- sign 0.000+/-0.000 χ^2/NDF: 29.2/23



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:394394.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

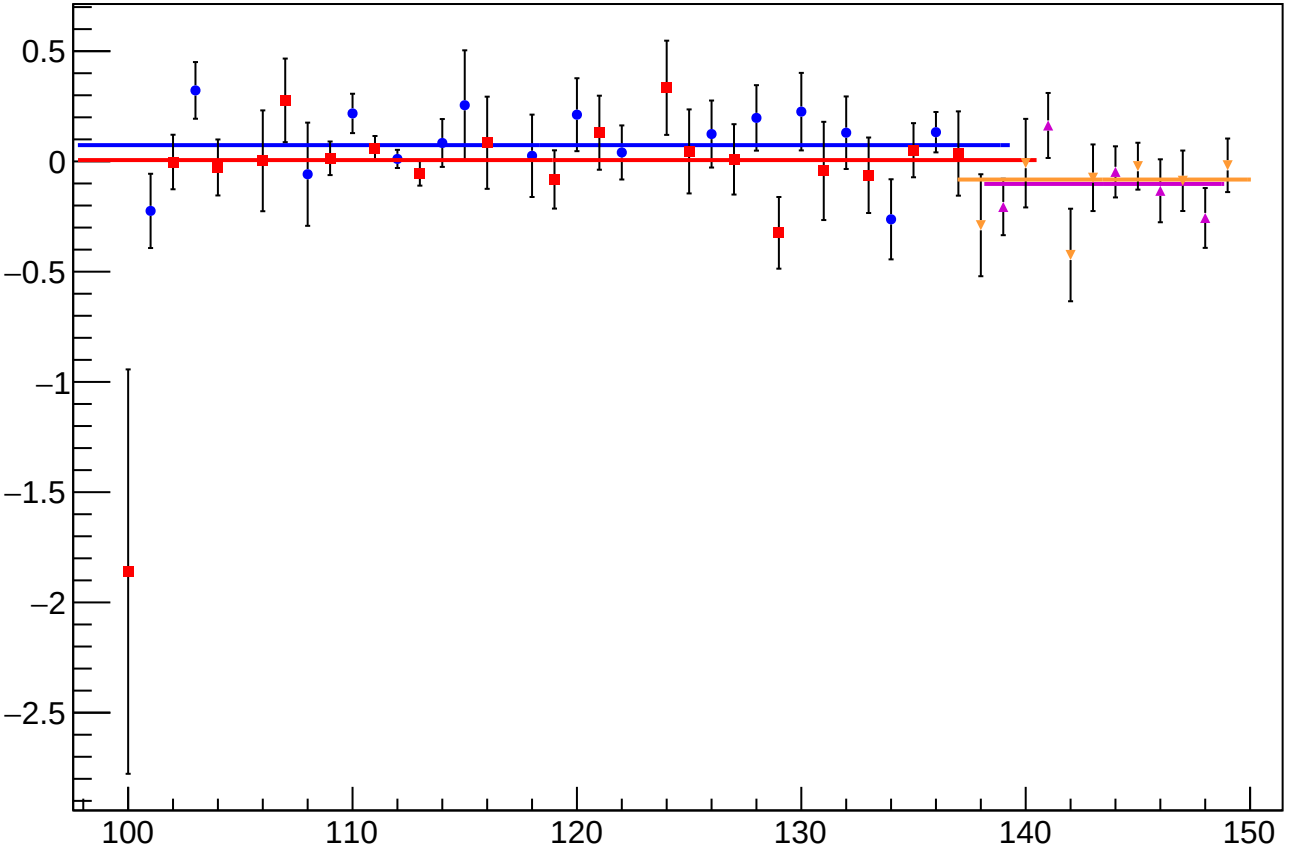
Left In: 0.000+/-0.000 χ^2/NDF:222672.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 2596870.0/22

All: 0.000+/-0.000 χ^2/NDF: 5048106.7/46

- sign 0.000+/-0.000 χ^2/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: -0.082+/-0.056 χ^2/NDF:4.2/6

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

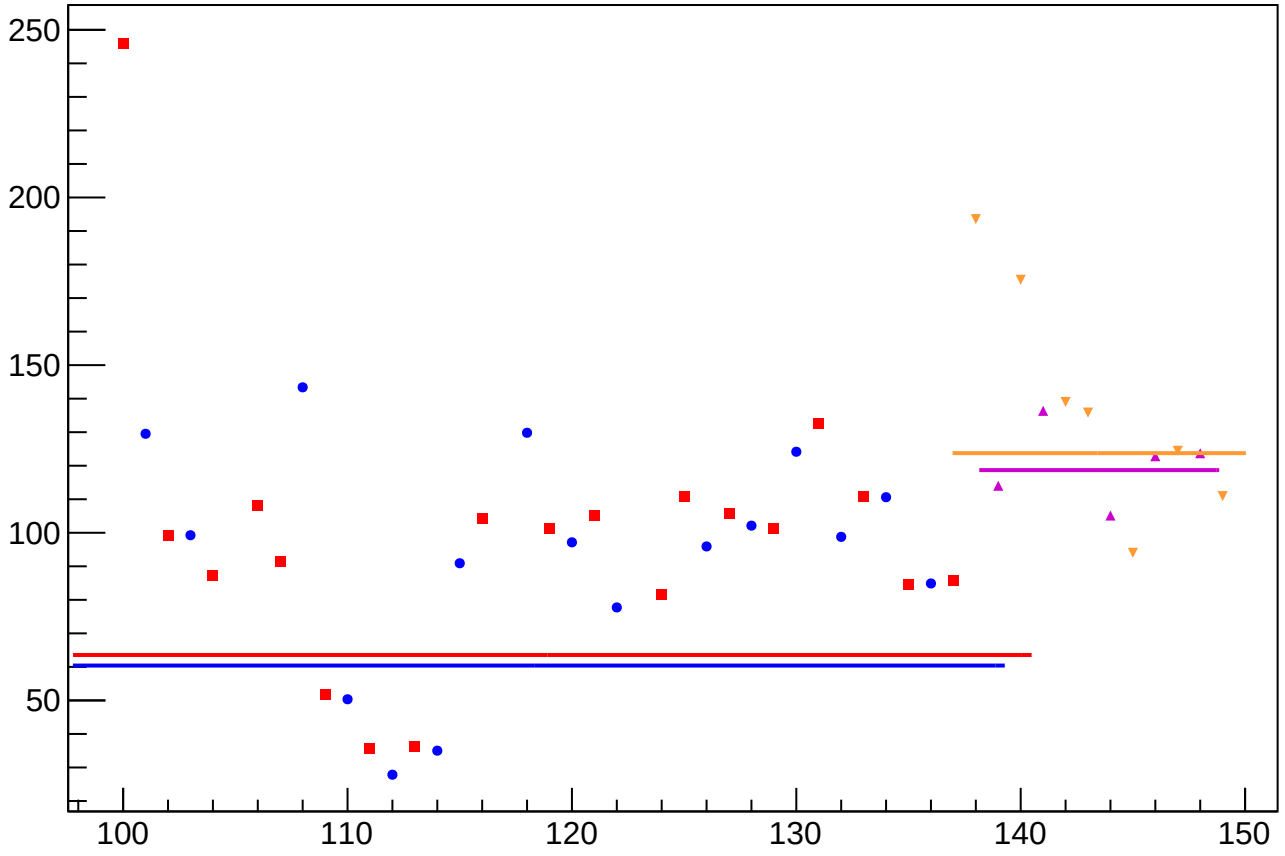
Left In: -0.102+/-0.059 χ^2/NDF:5.5/4

+ sign 0.044+/-0.024 χ^2/NDF: 29.5/22

All: 0.016+/-0.017 χ^2/NDF: 56.8/46

- 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: 123.751+/-0.040 χ^2/NDF:516989.8/6

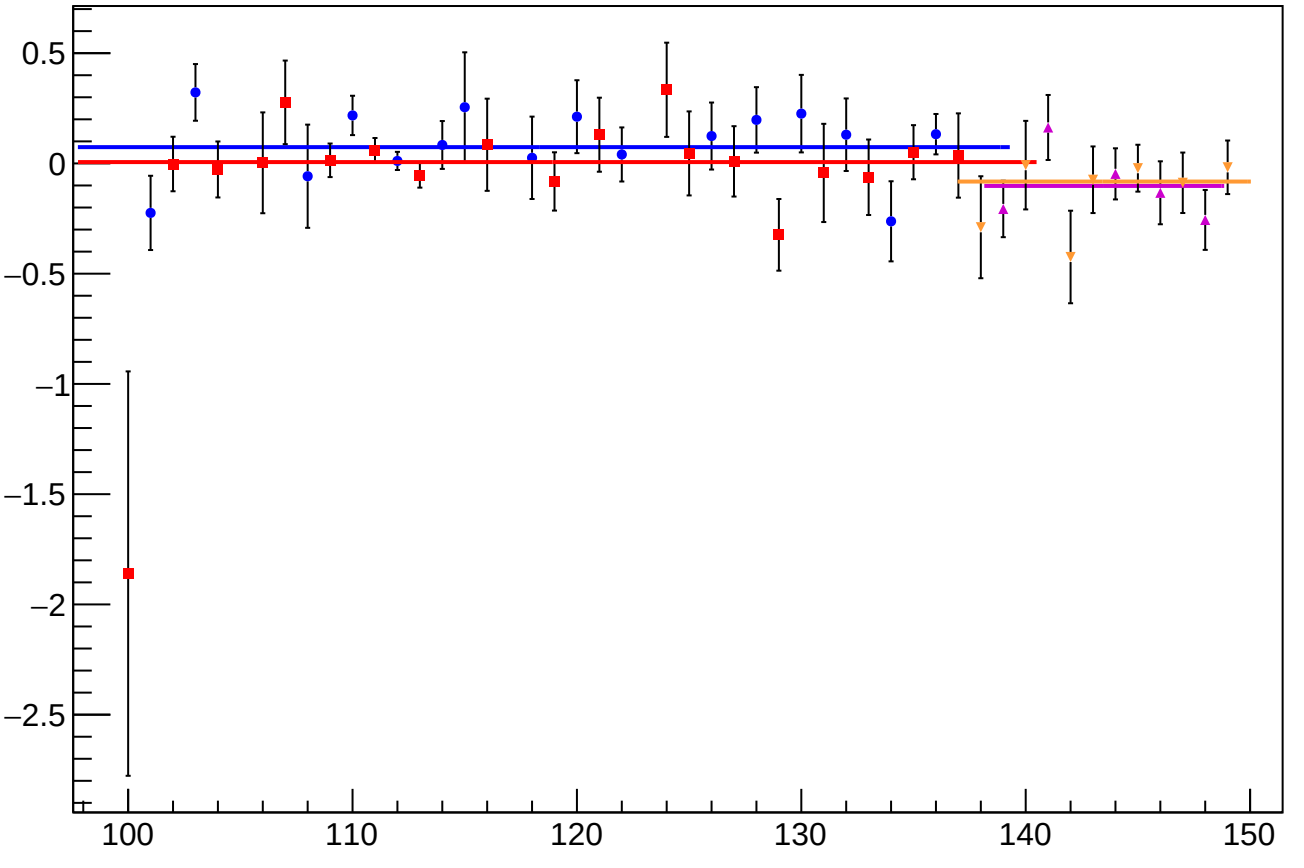
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 118.690+/-0.042 χ^2/NDF:63159.2/4

+ sign 72.378+/-0.017 χ^2/NDF: 6134838.4/22

All: 72.655+/-0.012 χ^2/NDF: 10290119.2/46

- sign 72.934+/-0.017 χ^2/NDF: 4154760.6/23



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.082+/-0.056 χ^2/NDF:4.2/6

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

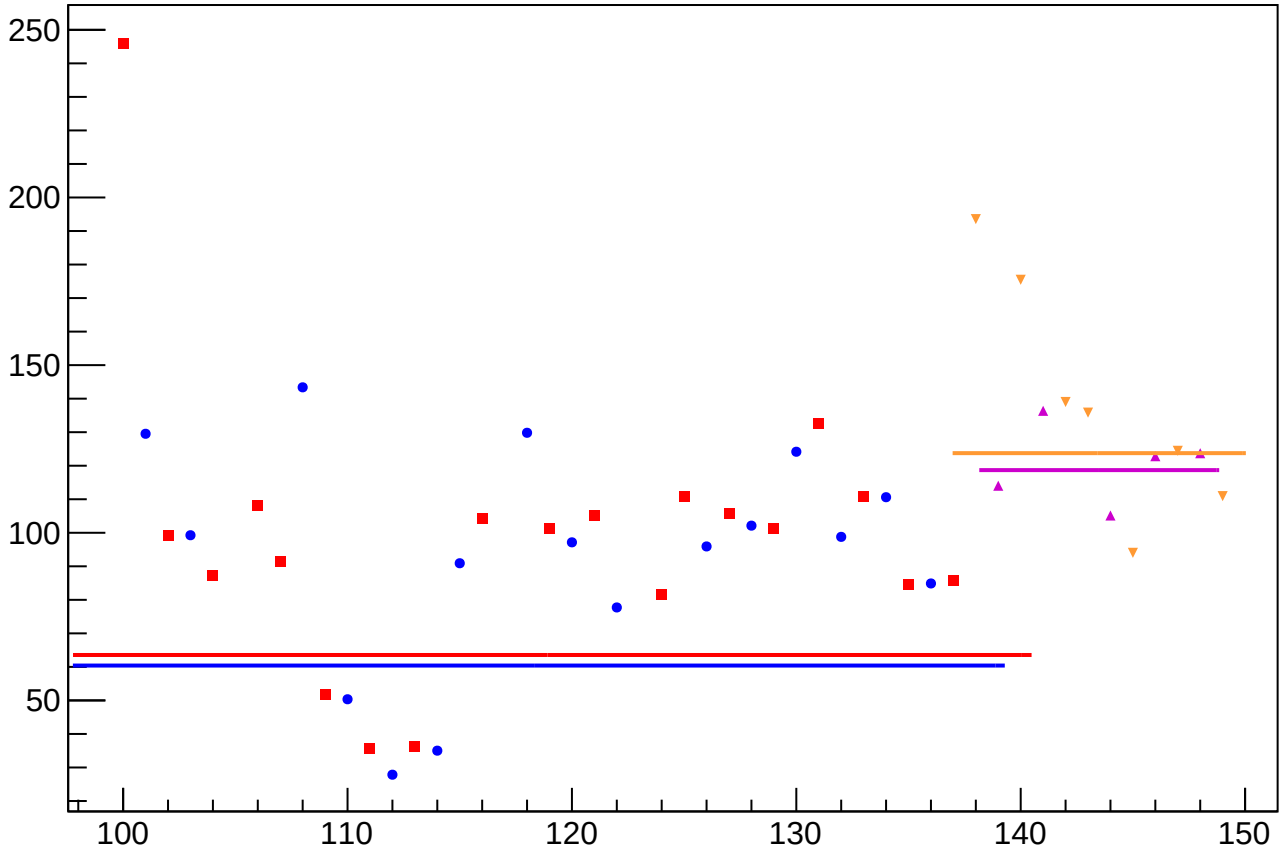
Left In: -0.102+/-0.059 χ^2/NDF:5.5/4

+ sign 0.044+/-0.024 χ^2/NDF: 29.5/22

All: 0.016+/-0.017 χ^2/NDF: 56.8/46

- 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: 123.751+/-0.040 χ^2/NDF:516989.8/6

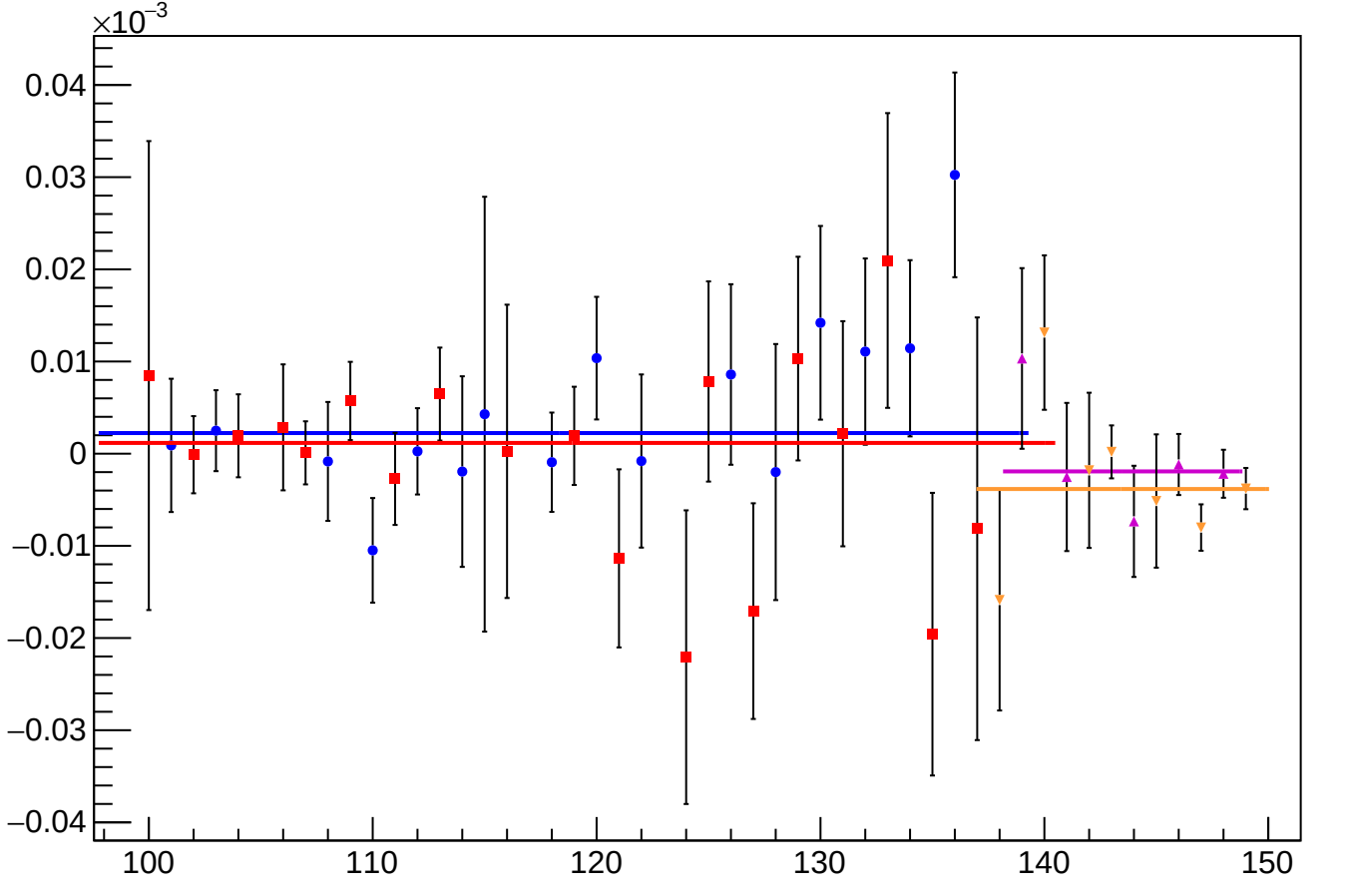
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 118.690+/-0.042 χ^2/NDF:63159.2/4

+ sign 72.378+/-0.017 χ^2/NDF: 6134838.4/22

All: 72.655+/-0.012 χ^2/NDF: 10290119.2/46

- 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:9.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

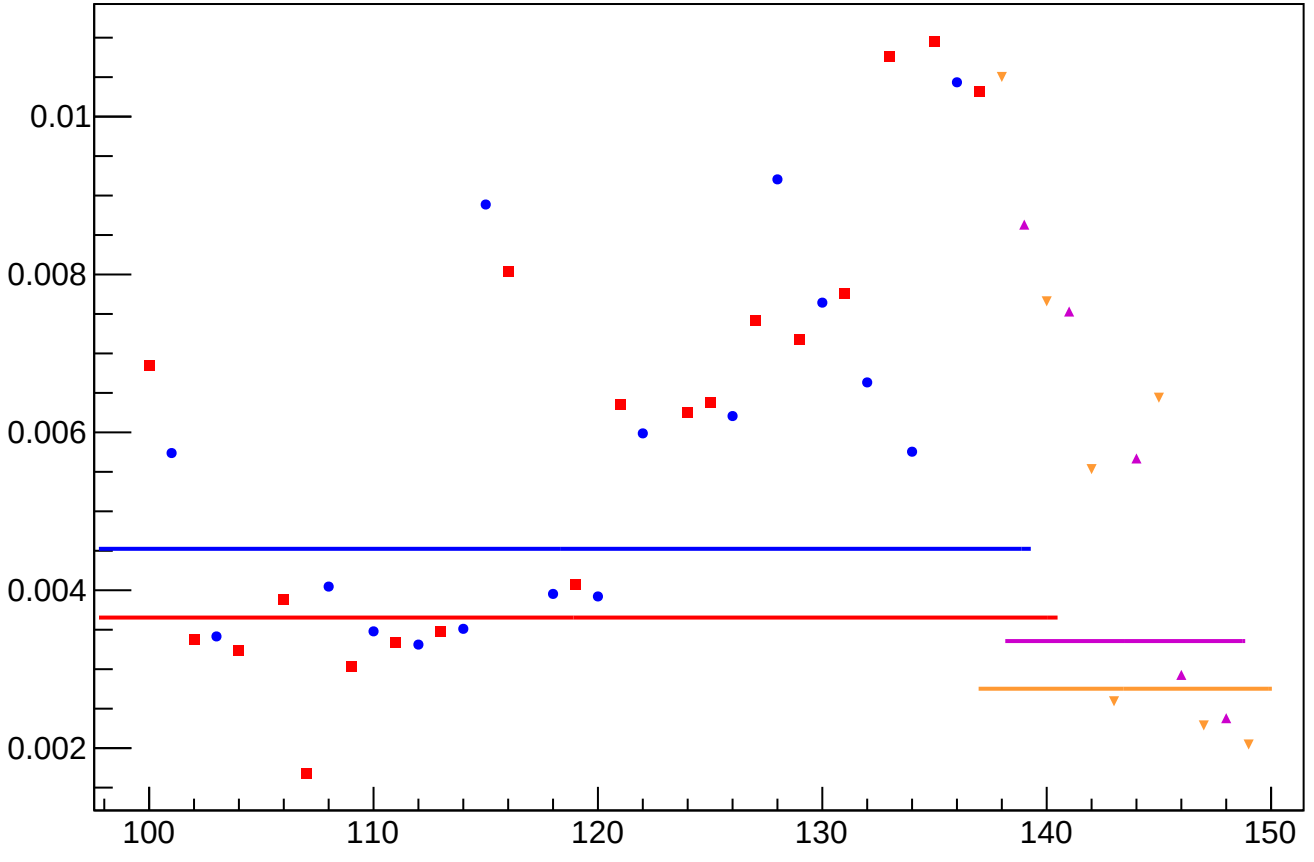
Left In: -0.000+/-0.000 χ^2/NDF:2.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/22

All: -0.000+/-0.000 χ^2/NDF: 53.7/46

- 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:2534112.0/6

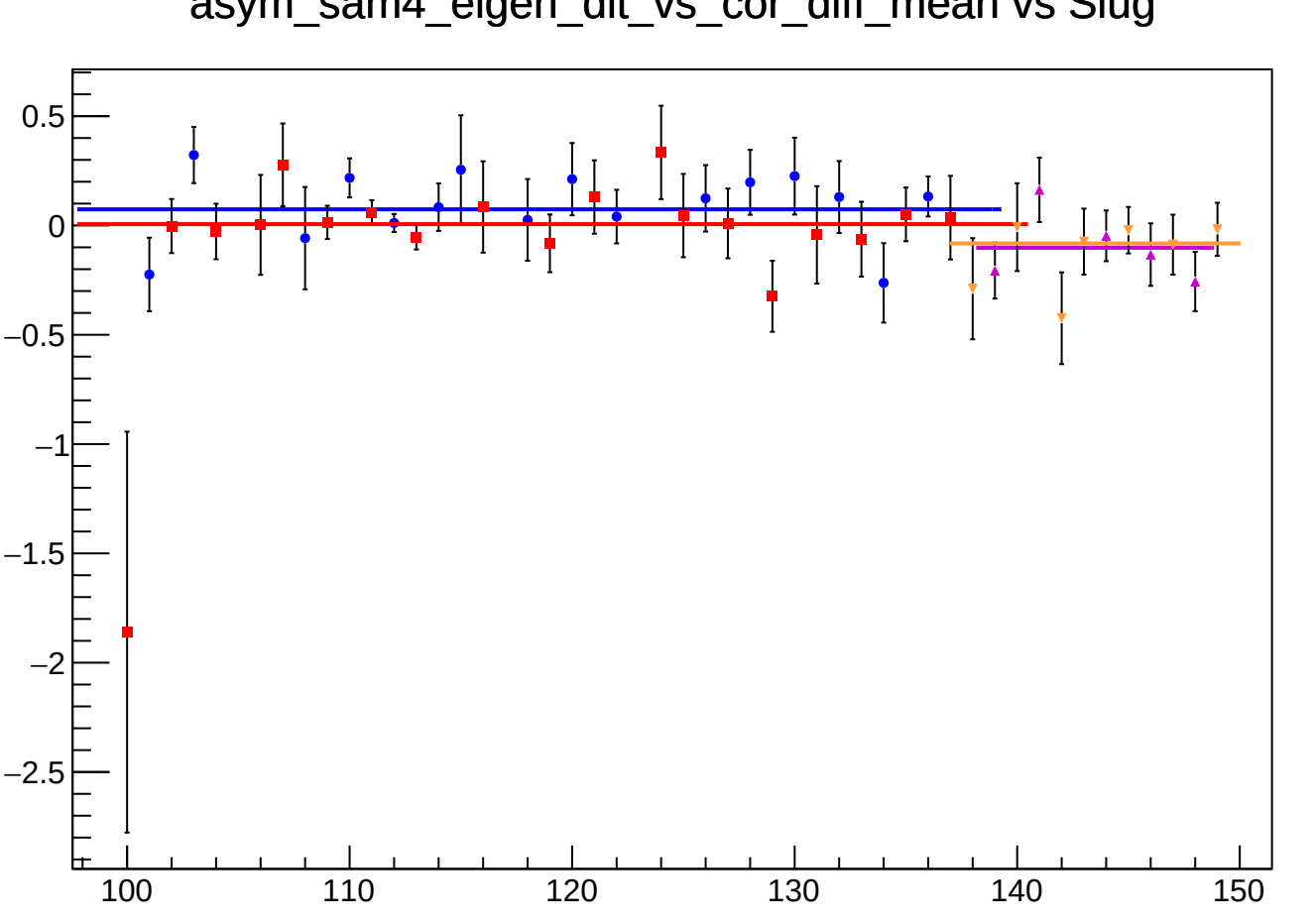
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:1728590.3/4

+ sign 0.003+/-0.000 χ^2/NDF: 5473658.4/22

All: 0.003+/-0.000 χ^2/NDF: 10181789.5/46

- 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: -0.082+/-0.056 χ^2/NDF:4.2/6

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

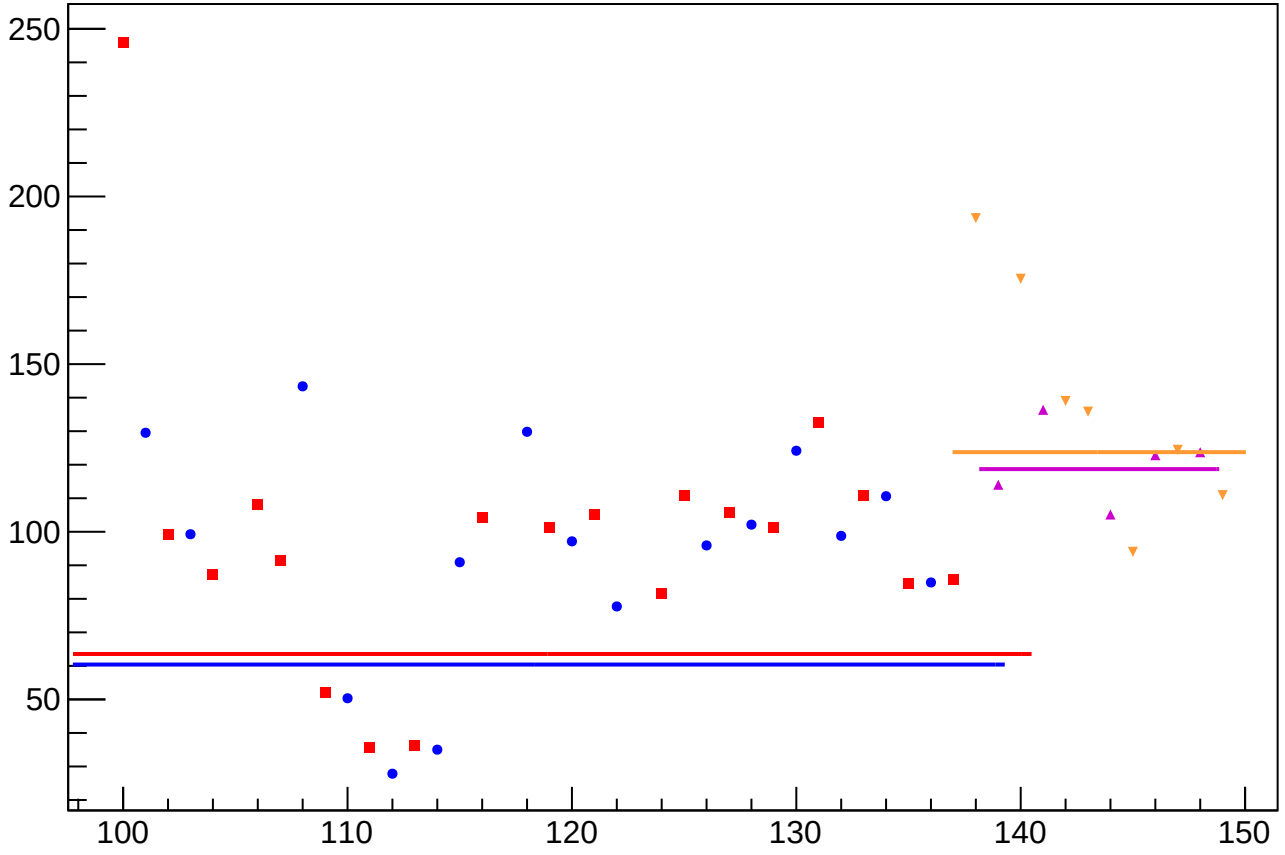
Left In: -0.102+/-0.059 χ^2/NDF:5.5/4

+ sign 0.044+/-0.024 χ^2/NDF: 29.5/22

All: 0.016+/-0.017 χ^2/NDF: 56.8/46

- 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: 123.752+/-0.040 χ^2/NDF:516964.2/6

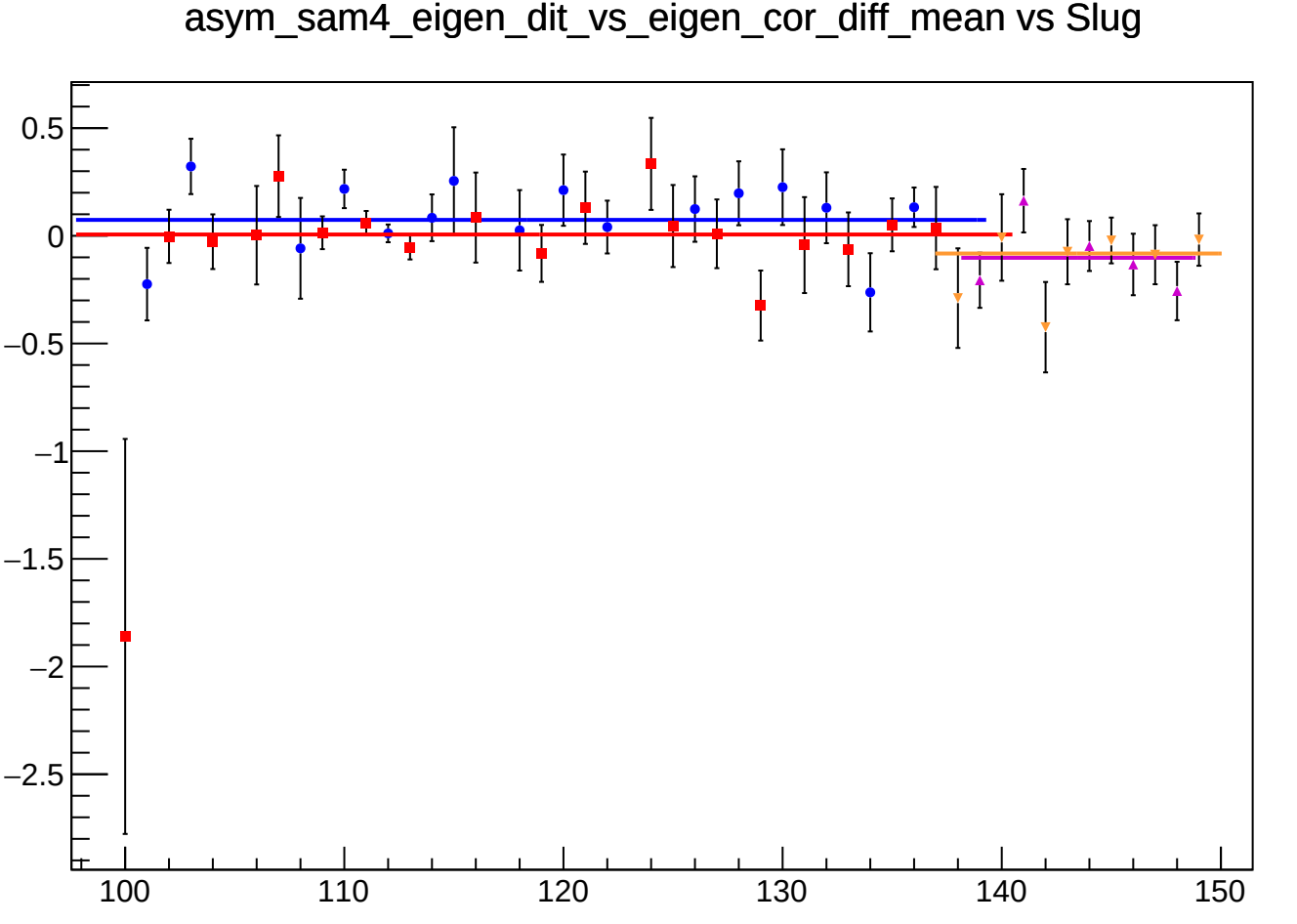
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 118.691+/-0.042 χ^2/NDF:63160.0/4

+ sign 72.376+/-0.017 χ^2/NDF: 6135276.0/22

All: 72.653+/-0.012 χ^2/NDF: 10290963.0/46

- 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: -0.082+/-0.056 χ^2/NDF:4.2/6

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

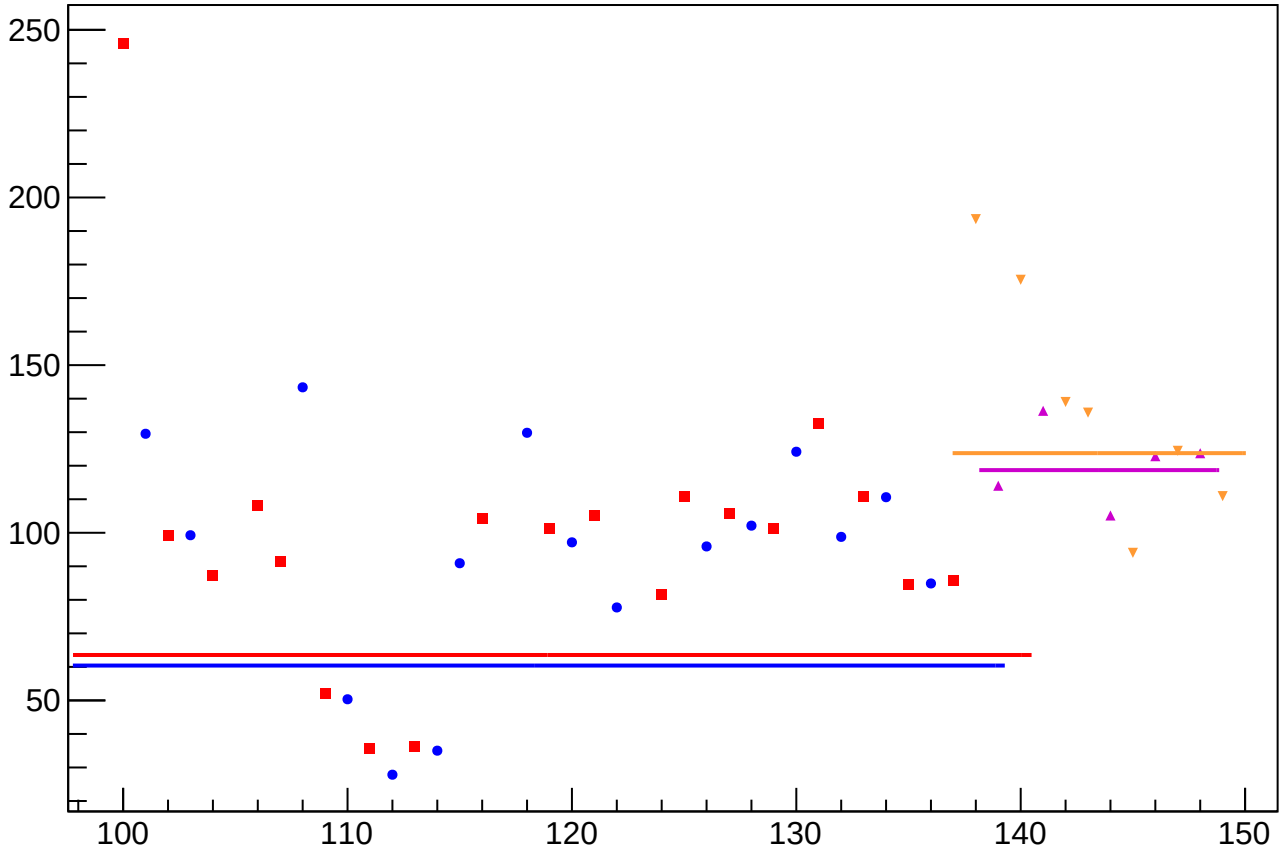
Left In: -0.102+/-0.059 χ^2/NDF:5.5/4

+ sign 0.044+/-0.024 χ^2/NDF: 29.5/22

All: 0.016+/-0.017 χ^2/NDF: 56.8/46

- sign -0.012+/-0.024 χ^2/NDF: 24.6/23

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 123.752+/-0.040 χ^2/NDF:516964.2/6

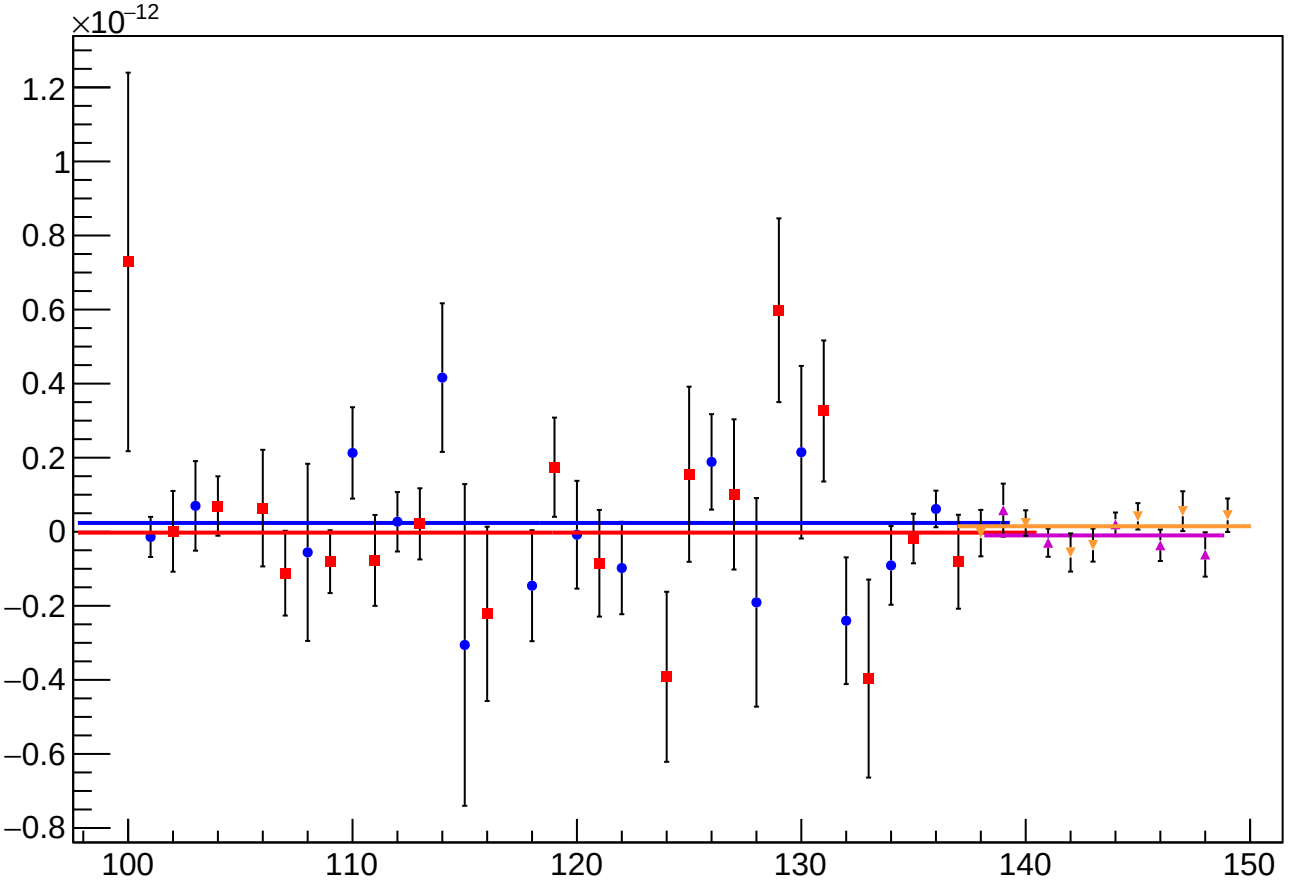
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 118.691+/-0.042 χ^2/NDF:63160.0/4

+ sign 72.376+/-0.017 χ^2/NDF: 6135276.0/22

All: 72.653+/-0.012 χ^2/NDF: 10290963.0/46

- 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:4.9/6

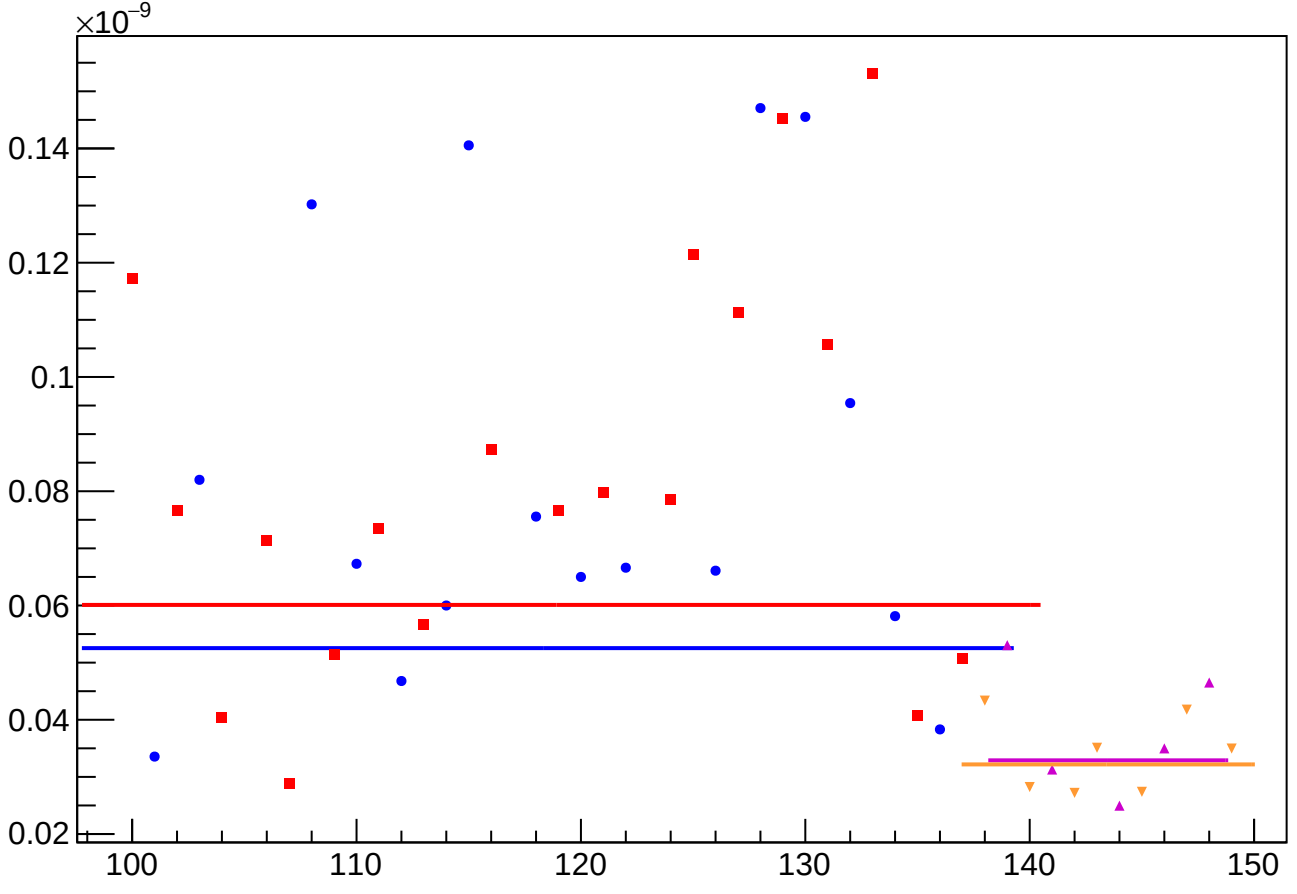
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 21.8/22

All: 0.000+/-0.000 χ^2/NDF: 49.6/46

- 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:224211.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

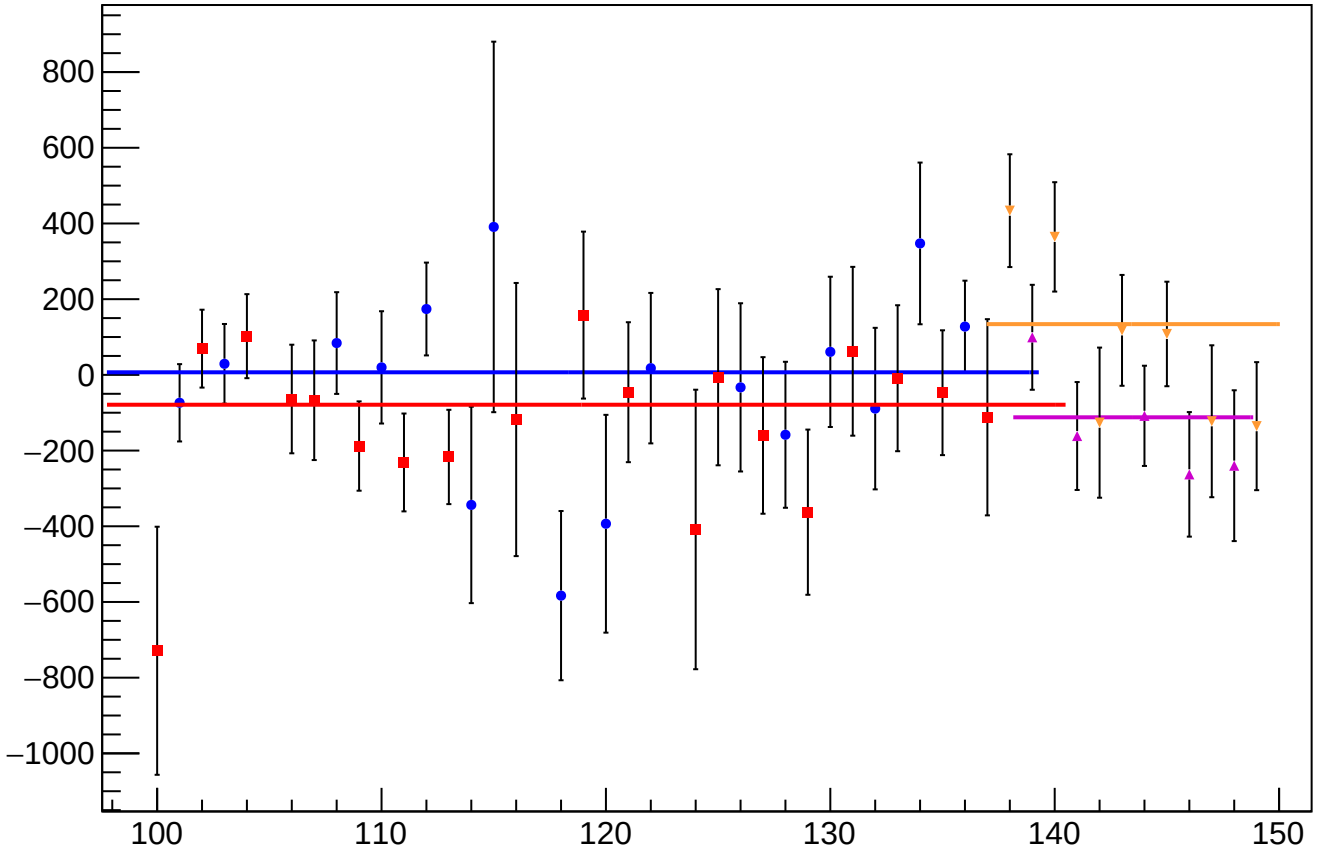
Left In: 0.000+/-0.000 χ^2/NDF:393999.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 2732451.2/22

All: 0.000+/-0.000 χ^2/NDF: 5940432.1/46

- 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: 134.073+/-60.060 χ^2/NDF:12.5/6

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

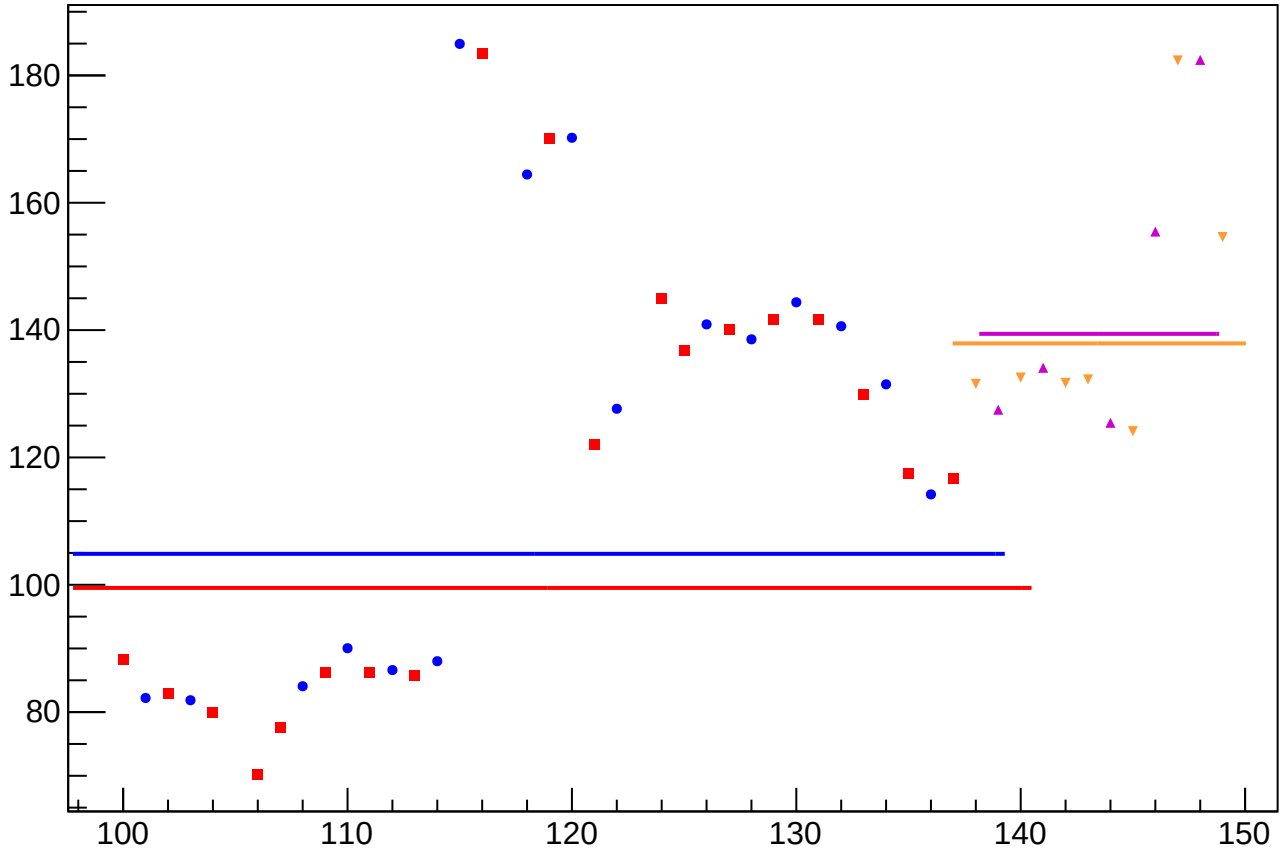
Left In: -112.106+/-67.359 χ^2/NDF:3.7/4

+ sign 46.391+/-33.495 χ^2/NDF: 34.4/22

All: -21.164+/-23.520 χ^2/NDF: 63.0/46

- 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: 137.912+/-0.042 χ^2/NDF:148840.1/6

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

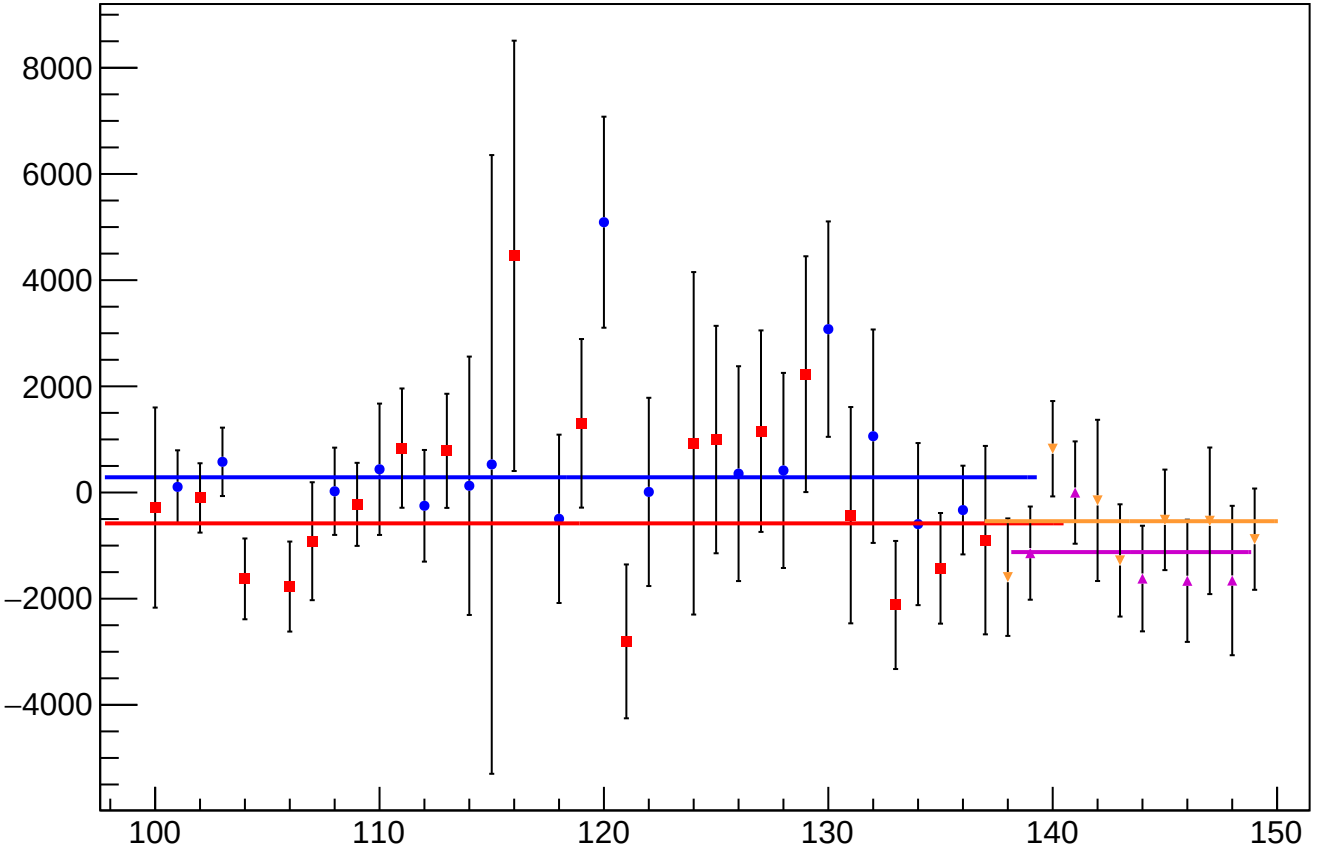
Left In: 139.411+/-0.048 χ^2/NDF:152164.7/4

+ sign 115.139+/-0.024 χ^2/NDF: 1497377.7/22

All: 112.080+/-0.017 χ^2/NDF: 3254542.3/46

- 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: -540.439+/-404.125 χ^2/NDF:3.9/6

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

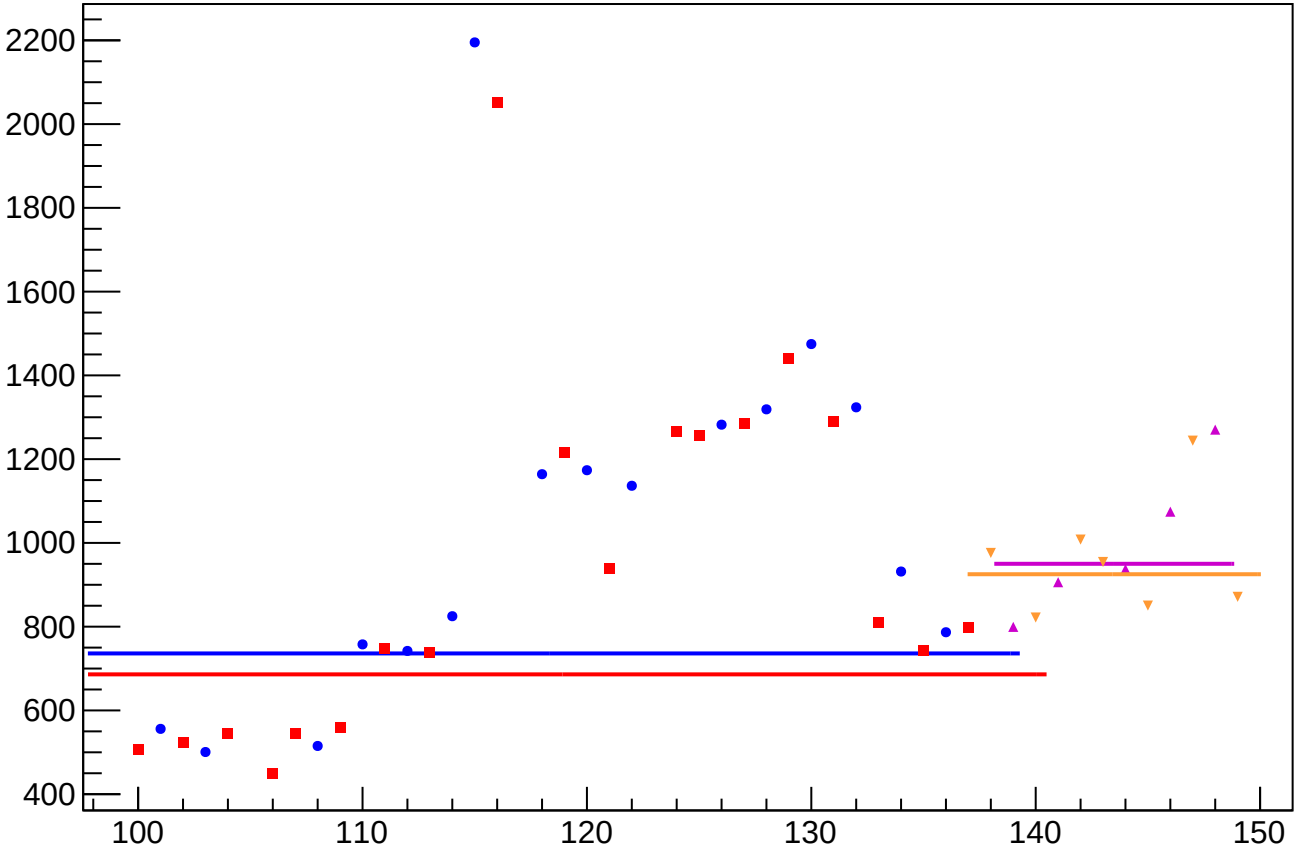
Left In: -1122.283+/-464.018 χ^2/NDF:2.0/4

\+ sign 1.250+/-237.464 χ^2/NDF: 16.3/22

All: -364.806+/-166.393 χ^2/NDF: 42.8/46

\- 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: 925.206+/-0.286 χ^2/NDF:163811.6/6

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

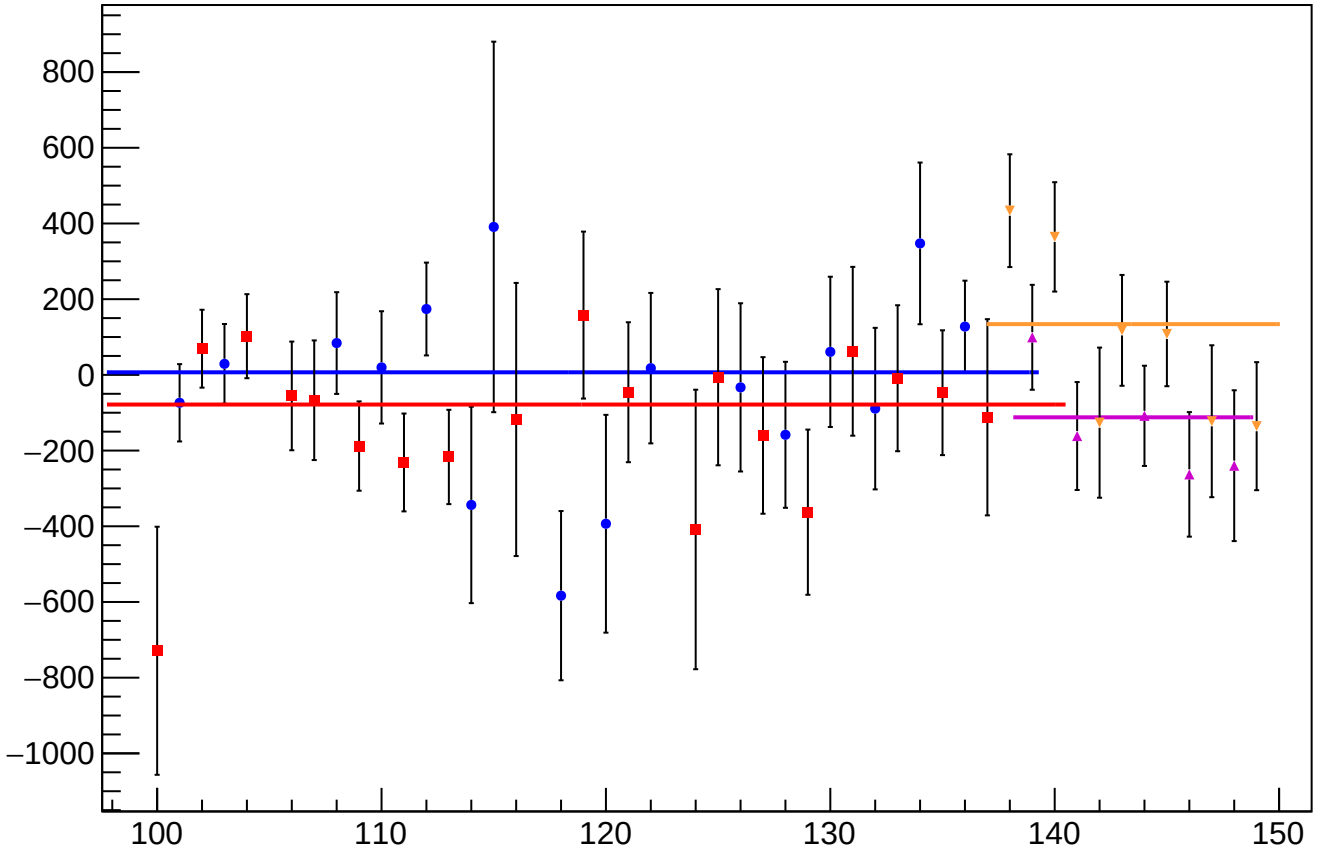
Left In: 950.106+/-0.328 χ^2/NDF:190396.6/4

+ sign 801.383+/-0.168 χ^2/NDF: 2295082.8/22

All: 776.654+/-0.118 χ^2/NDF: 4831106.5/46

- sign 752.800+/-0.165 χ^2/NDF: 2493412.3/23

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 134.080+/-60.060 χ^2/NDF:12.5/6

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

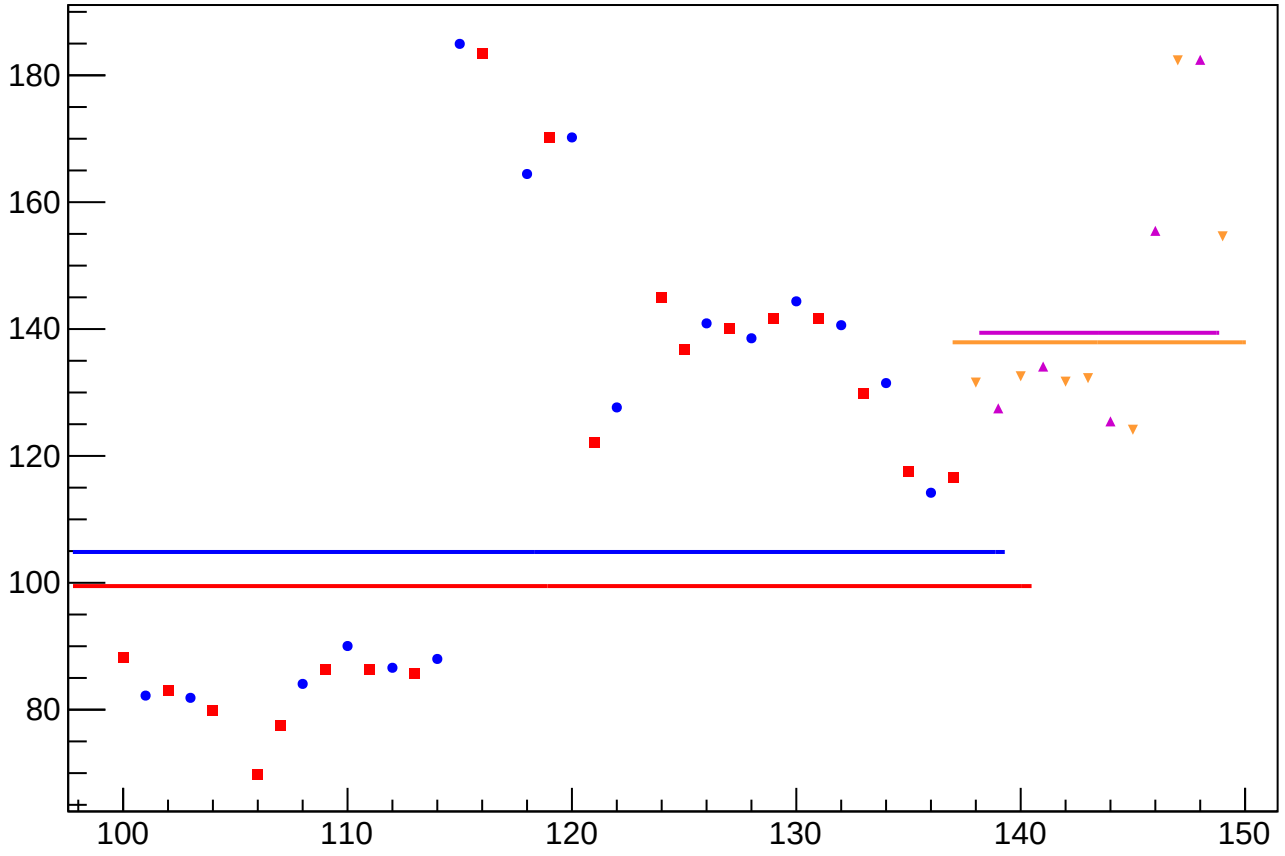
Left In: -112.111+/-67.359 χ^2/NDF:3.7/4

+ sign 46.386+/-33.495 χ^2/NDF: 34.4/22

All: -20.958+/-23.521 χ^2/NDF: 63.0/46

- 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: 137.912+/-0.042 χ^2/NDF:148840.1/6

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

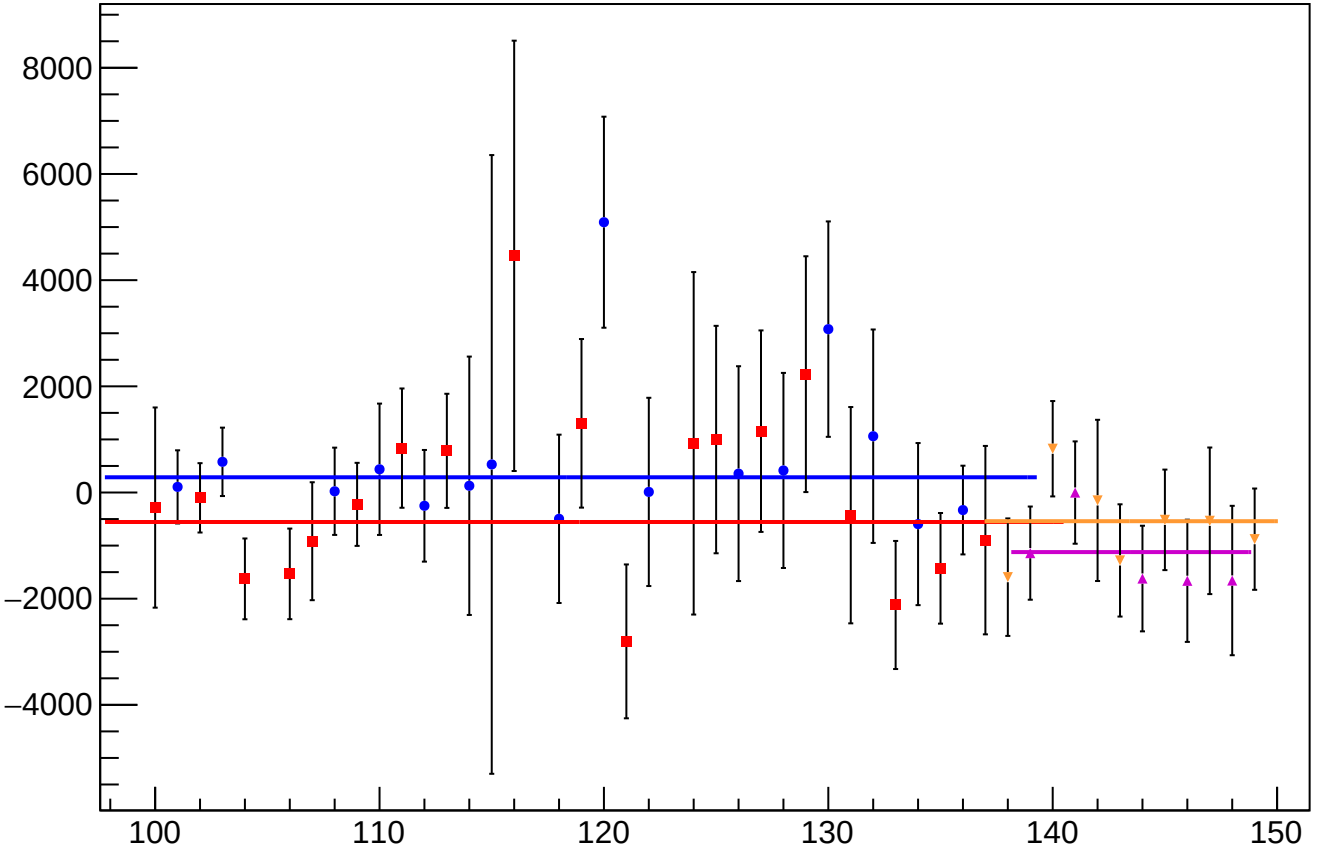
Left In: 139.411+/-0.048 χ^2/NDF:152164.7/4

+ sign 115.139+/-0.024 χ^2/NDF: 1497376.6/22

All: 112.072+/-0.017 χ^2/NDF: 3257533.5/46

- 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: -540.433+/-404.125 χ^2/NDF:3.9/6

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

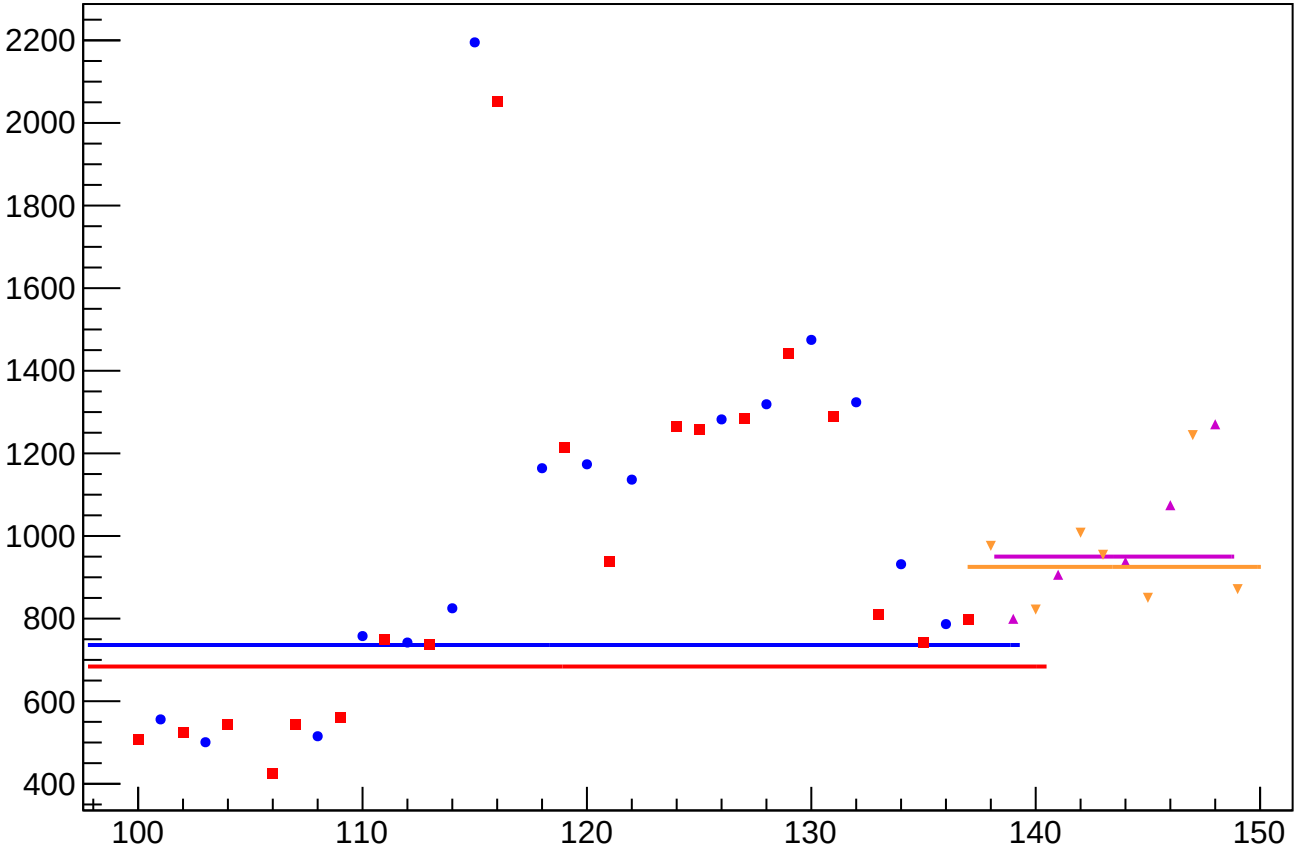
Left In: -1122.281+/-464.018 χ^2/NDF:2.0/4

+ sign 1.254+/-237.464 χ^2/NDF: 16.3/22

All: -354.895+/-166.435 χ^2/NDF: 41.9/46

- 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: 925.206+/-0.286 χ^2/NDF:163811.2/6

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

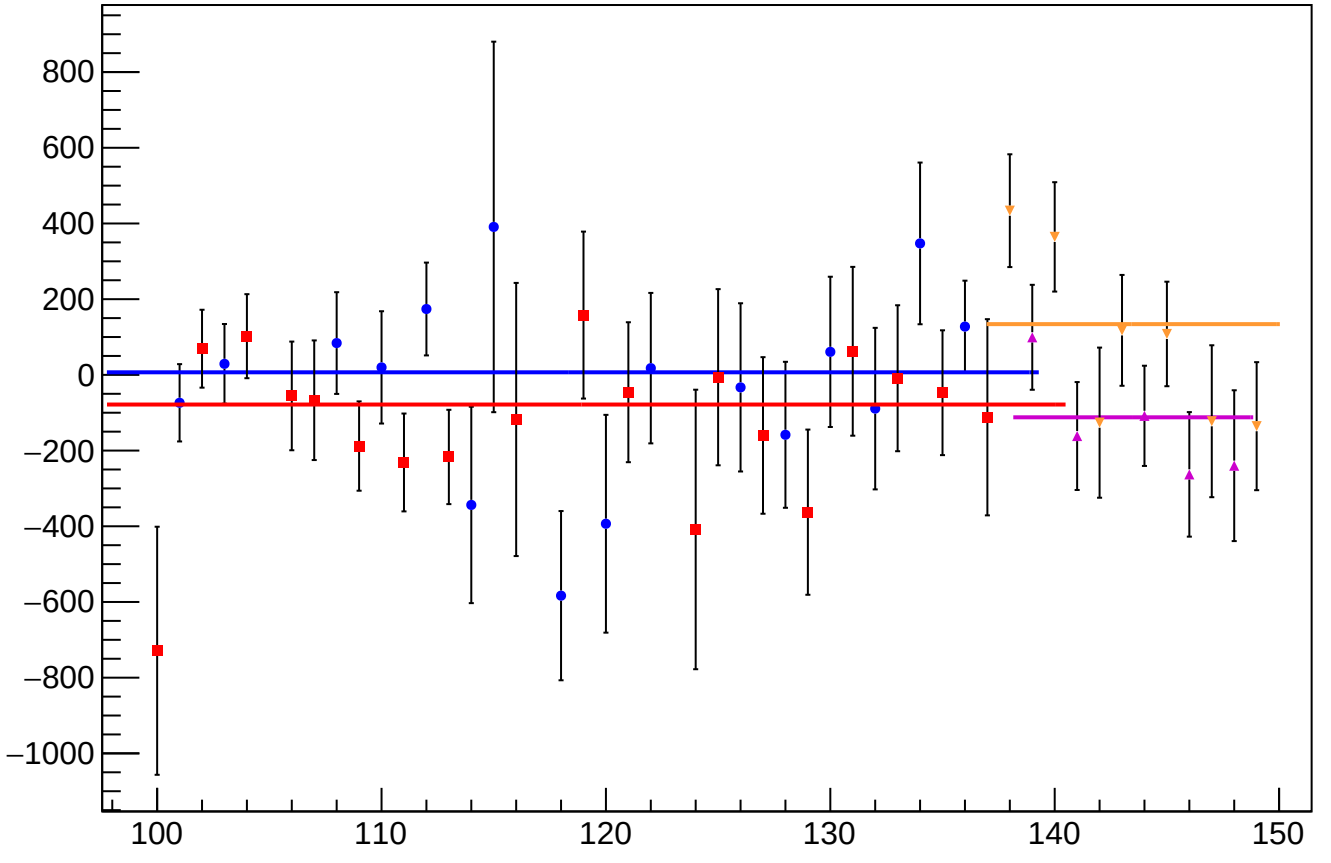
Left In: 950.106+/-0.328 χ^2/NDF:190396.7/4

+ sign 801.383+/-0.168 χ^2/NDF: 2295086.9/22

All: 775.891+/-0.118 χ^2/NDF: 4872695.2/46

- 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: 134.080+/-60.060 χ^2/NDF:12.5/6

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

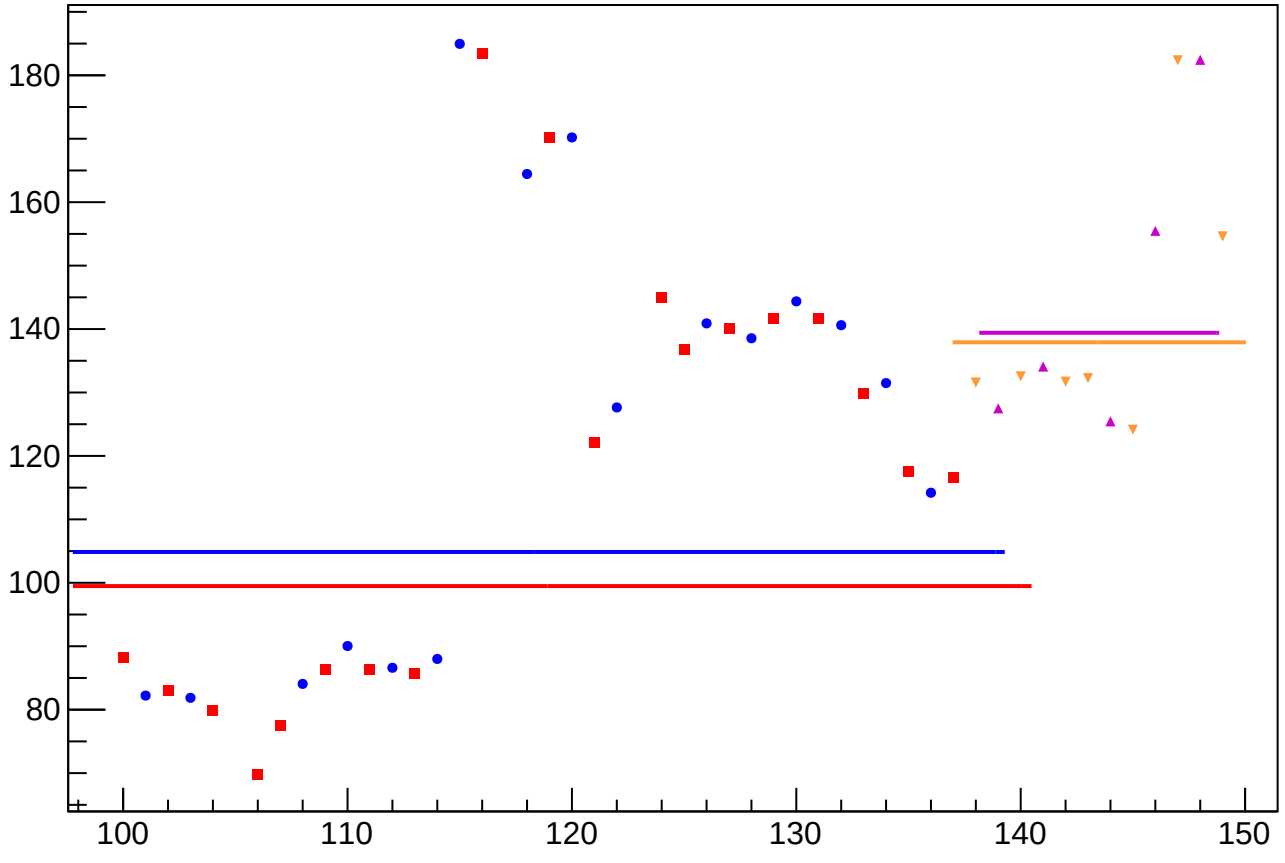
Left In: -112.111+/-67.359 χ^2/NDF:3.7/4

+ sign 46.386+/-33.495 χ^2/NDF: 34.4/22

All: -20.958+/-23.521 χ^2/NDF: 63.0/46

- 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: 137.912+/-0.042 χ^2/NDF:148840.1/6

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

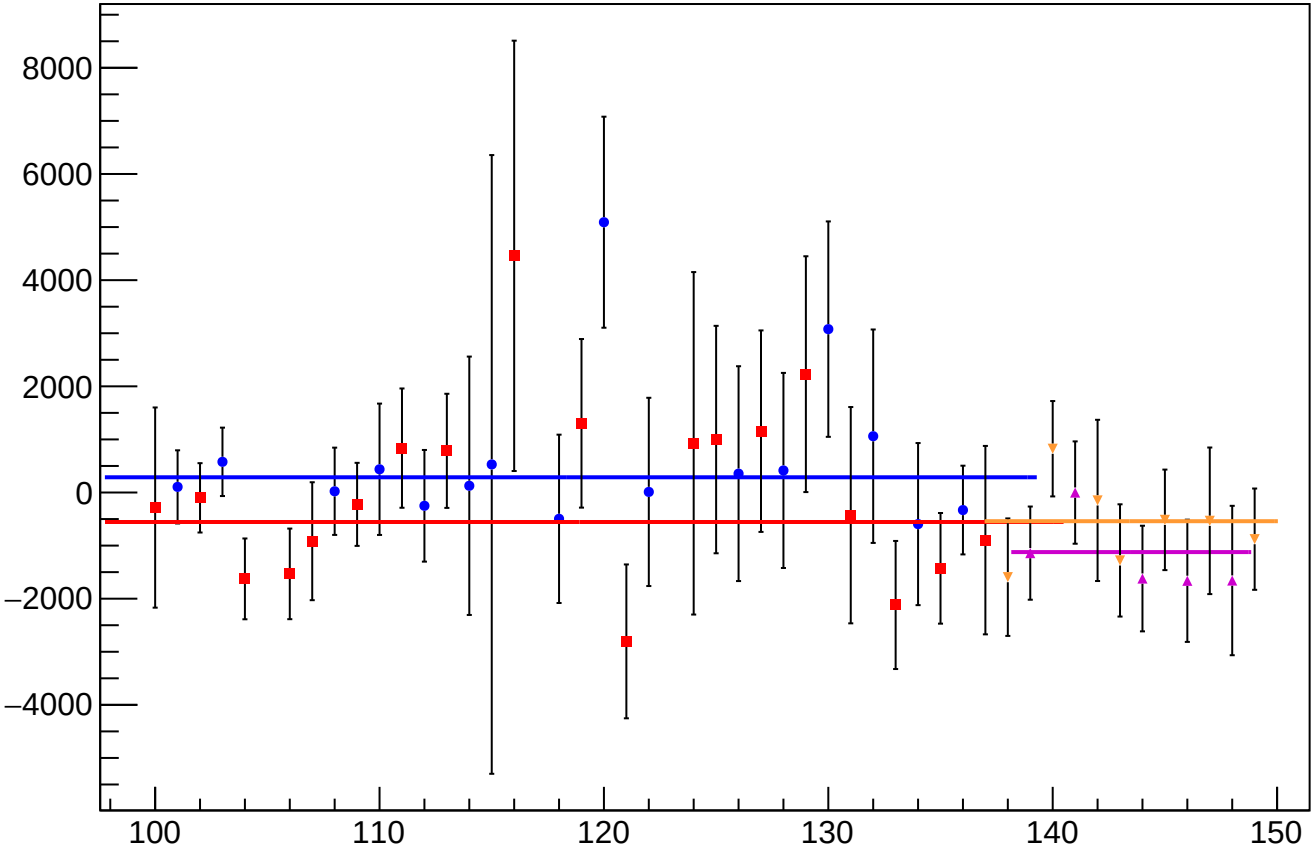
Left In: 139.411+/-0.048 χ^2/NDF:152164.7/4

+ sign 115.139+/-0.024 χ^2/NDF: 1497376.6/22

All: 112.072+/-0.017 χ^2/NDF: 3257533.5/46

- sign 109.088+/-0.023 χ^2/NDF: 1727064.2/23

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -540.433+/-404.125 χ^2/NDF:3.9/6

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

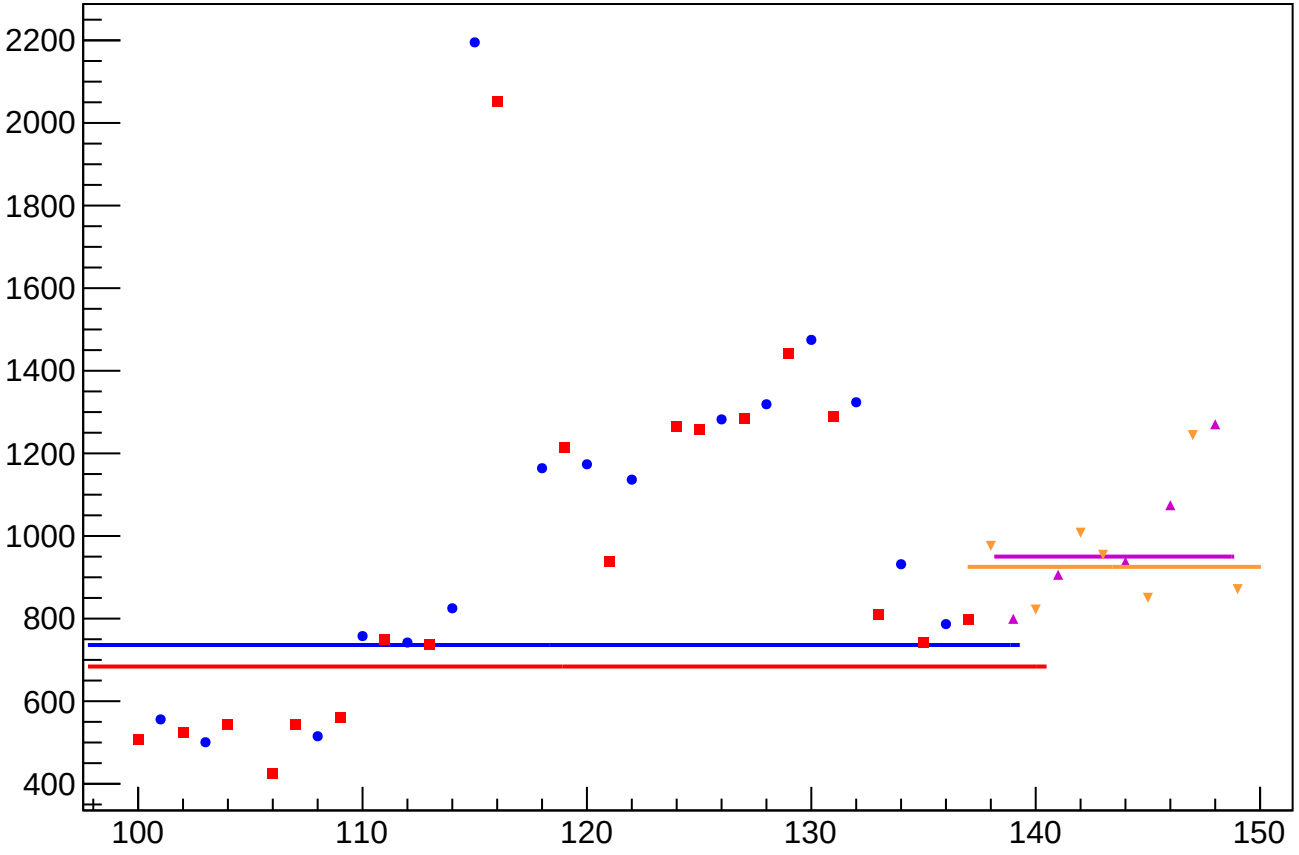
Left In: -1122.281+/-464.018 χ^2/NDF:2.0/4

+ sign 1.254+/-237.464 χ^2/NDF: 16.3/22

All: -354.895+/-166.435 χ^2/NDF: 41.9/46

- 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: 925.206+/-0.286 χ^2/NDF:163811.2/6

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

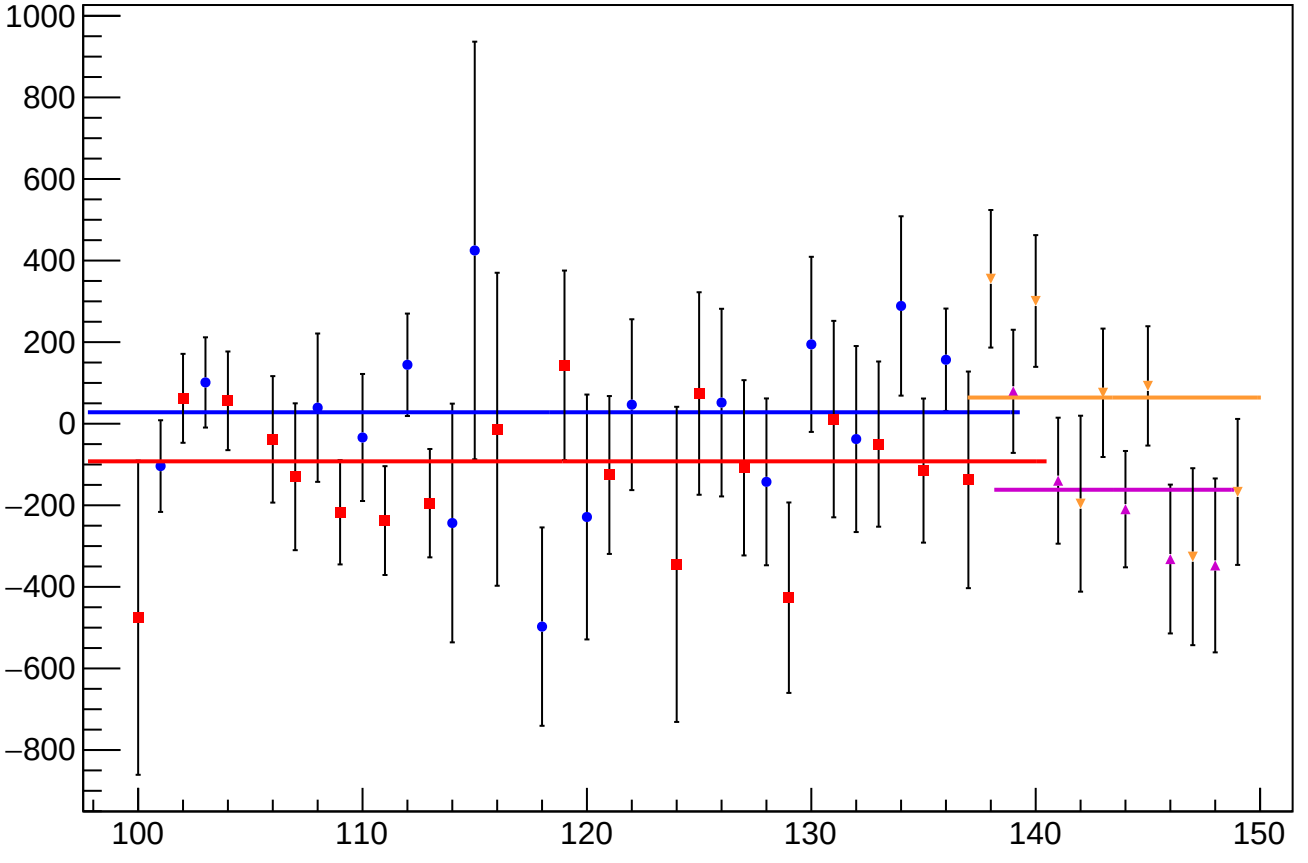
Left In: 950.106+/-0.328 χ^2/NDF:190396.7/4

+ sign 801.383+/-0.168 χ^2/NDF: 2295086.9/22

All: 775.891+/-0.118 χ^2/NDF: 4872695.2/46

- 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: 64.182+/-65.296 χ^2/NDF:11.5/6

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

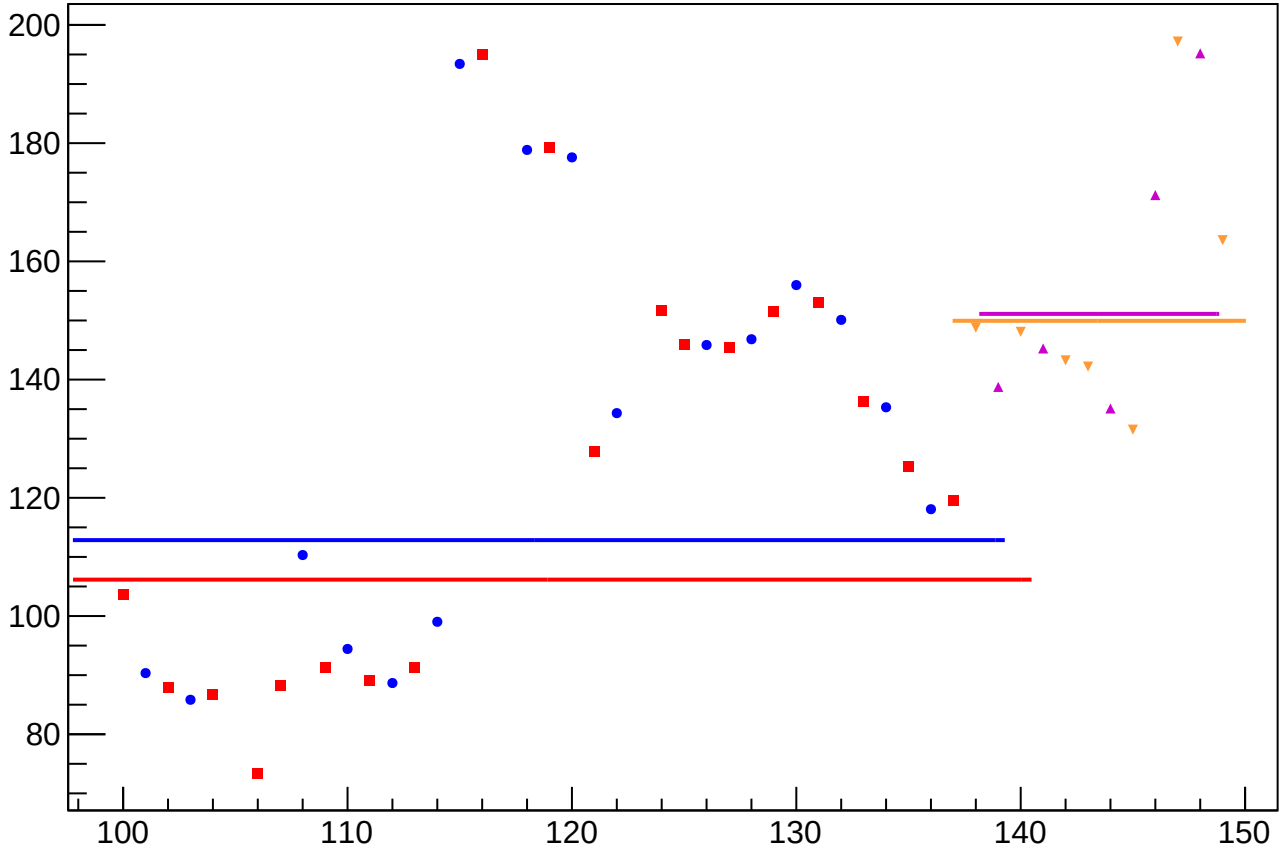
Left In: -161.903+/-73.128 χ^2/NDF:4.3/4

+ sign 39.165+/-36.167 χ^2/NDF: 25.3/22

All: -36.196+/-25.318 χ^2/NDF: 50.5/46

- 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: 149.948+/-0.046 χ^2/NDF:145265.3/6

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

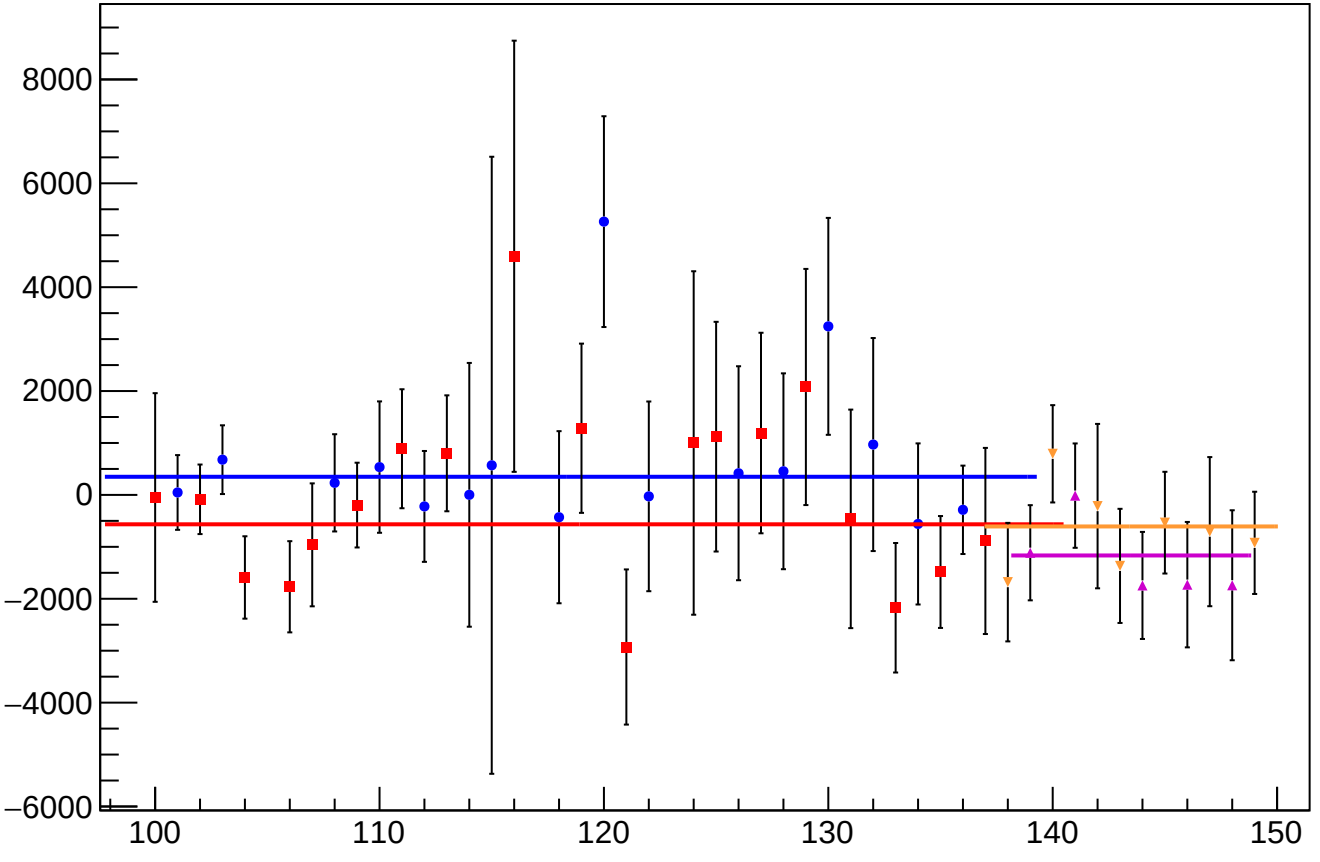
Left In: 151.115+/-0.052 χ^2/NDF:151194.4/4

+ sign 124.226+/-0.026 χ^2/NDF: 1465191.7/22

All: 120.402+/-0.018 χ^2/NDF: 3240588.0/46

- 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: -607.555+/-419.076 χ^2/NDF:3.8/6

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

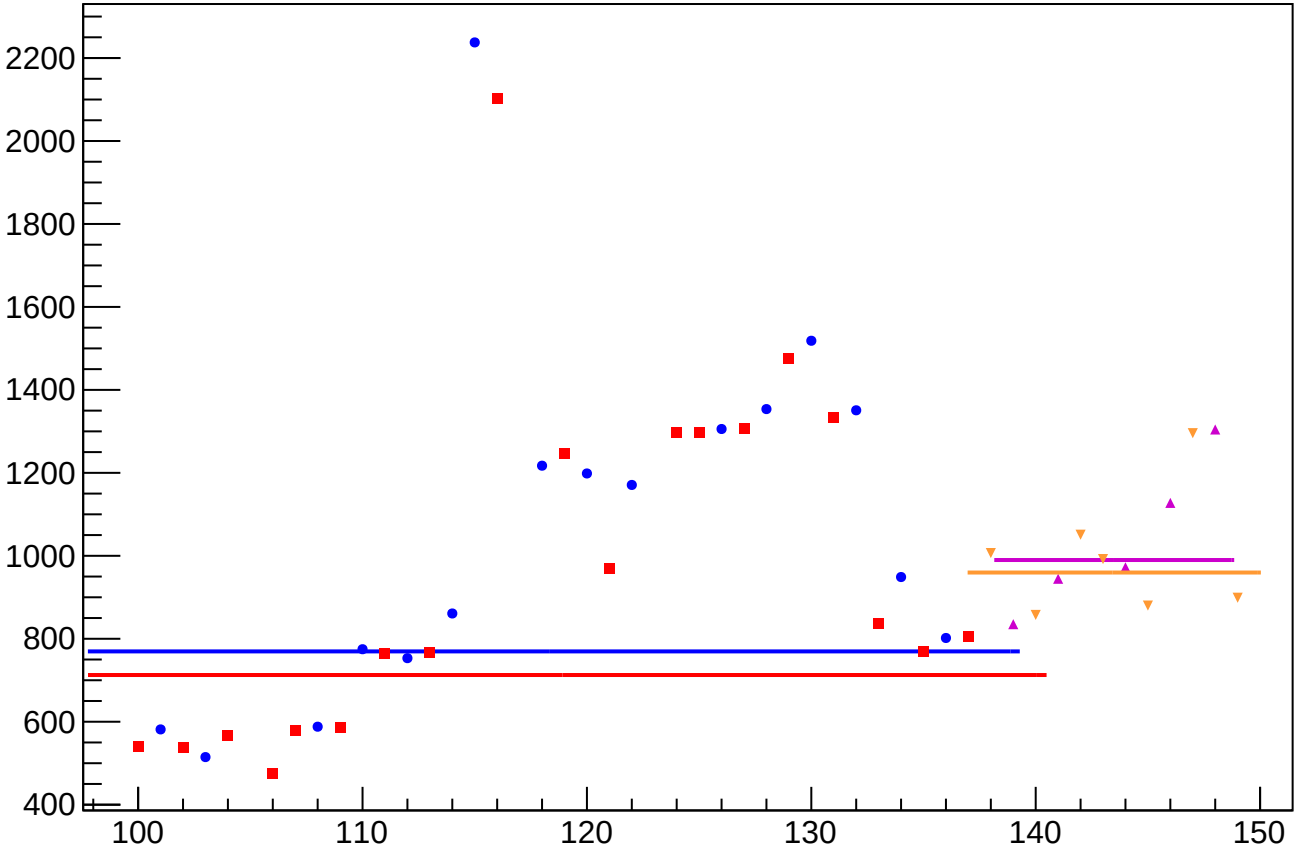
Left In: -1166.105+/-482.922 χ^2/NDF:2.0/4

+ sign 17.382+/-246.777 χ^2/NDF: 17.0/22

All: -357.085+/-172.683 χ^2/NDF: 43.0/46

- 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: 959.701+/-0.296 χ^2/NDF:165898.0/6

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

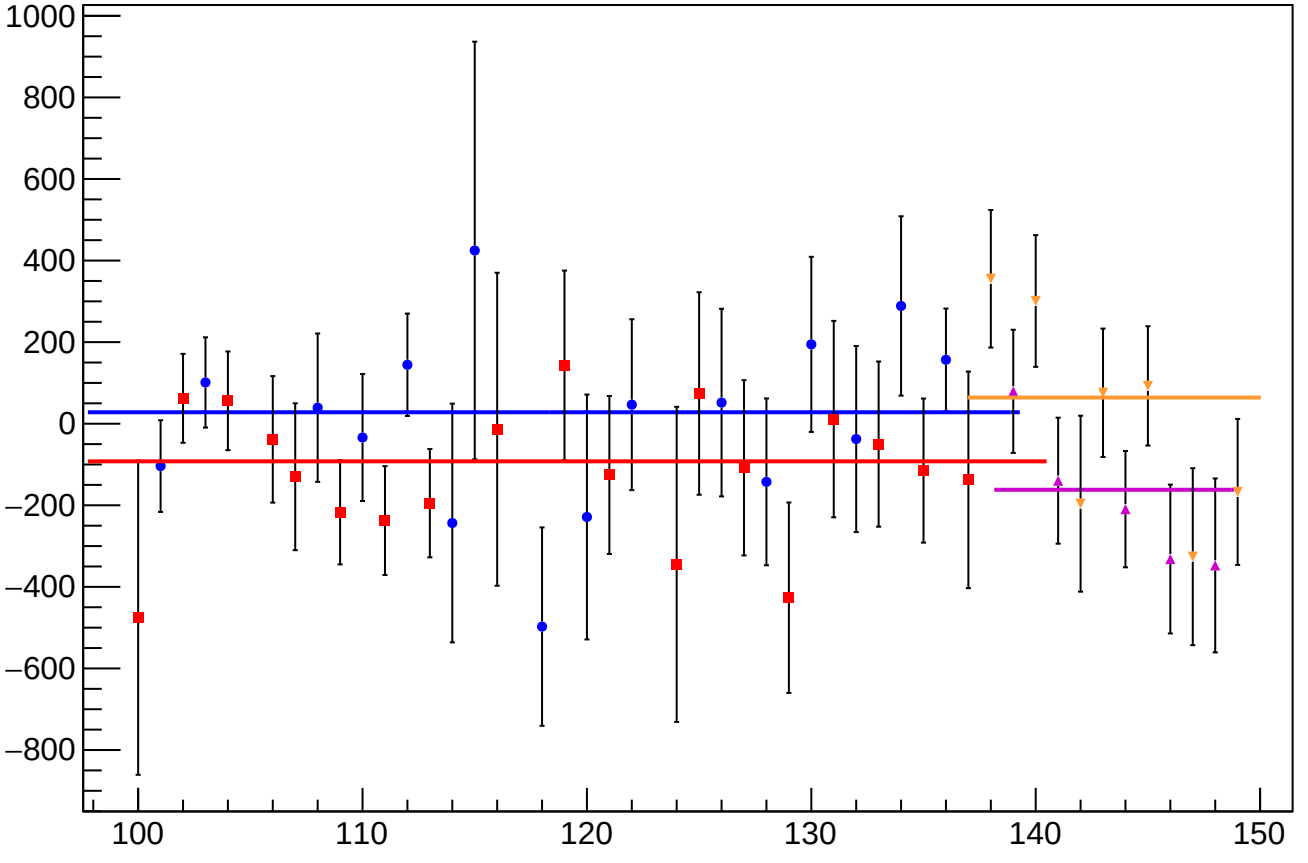
Left In: 989.857+/-0.341 χ^2/NDF:182615.6/4

+ sign 835.491+/-0.174 χ^2/NDF: 2174791.8/22

All: 808.236+/-0.122 χ^2/NDF: 4666405.3/46

- 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: 64.182+/-65.296 χ^2/NDF:11.5/6

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

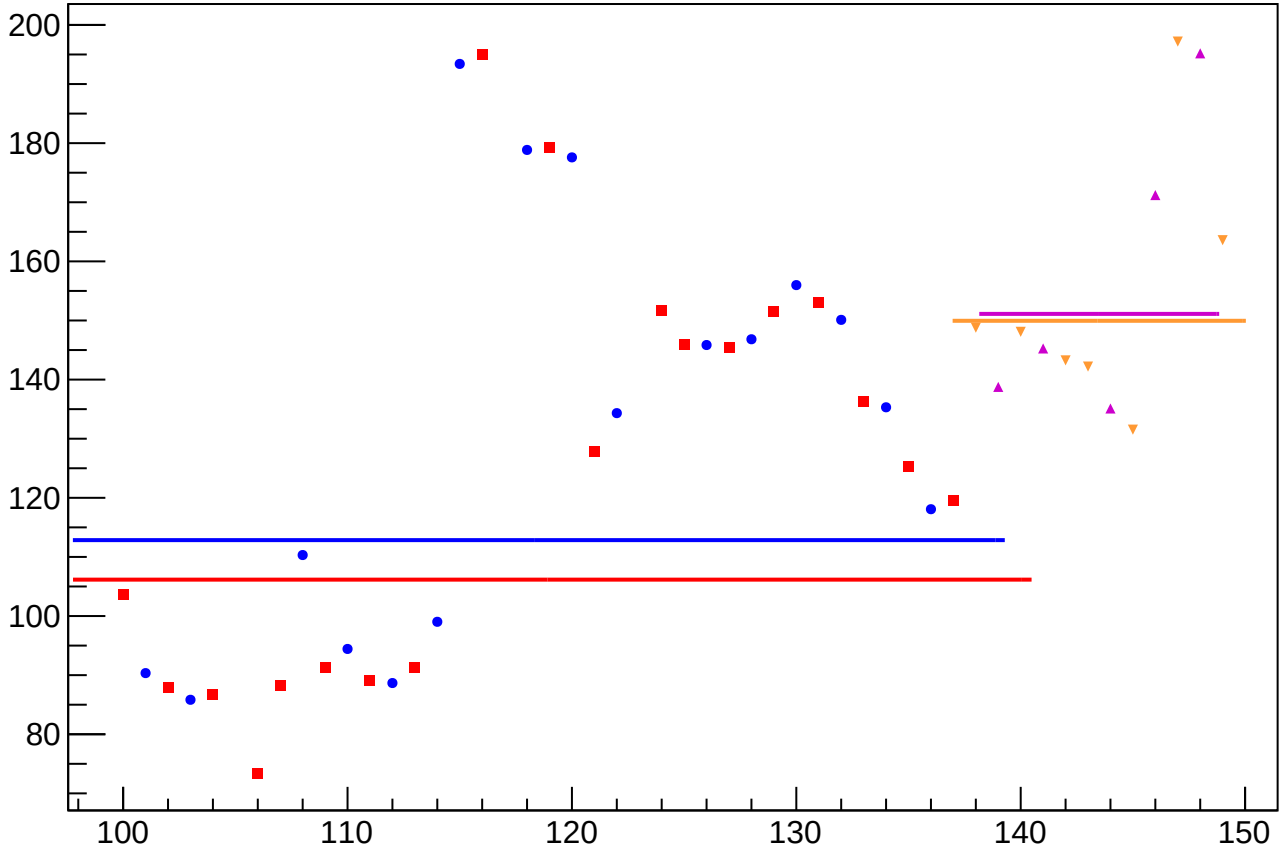
Left In: -161.905+/-73.128 χ^2/NDF:4.3/4

+ sign 39.165+/-36.167 χ^2/NDF: 25.3/22

All: -36.196+/-25.318 χ^2/NDF: 50.5/46

- 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: 149.948+/-0.046 χ^2/NDF:145268.4/6

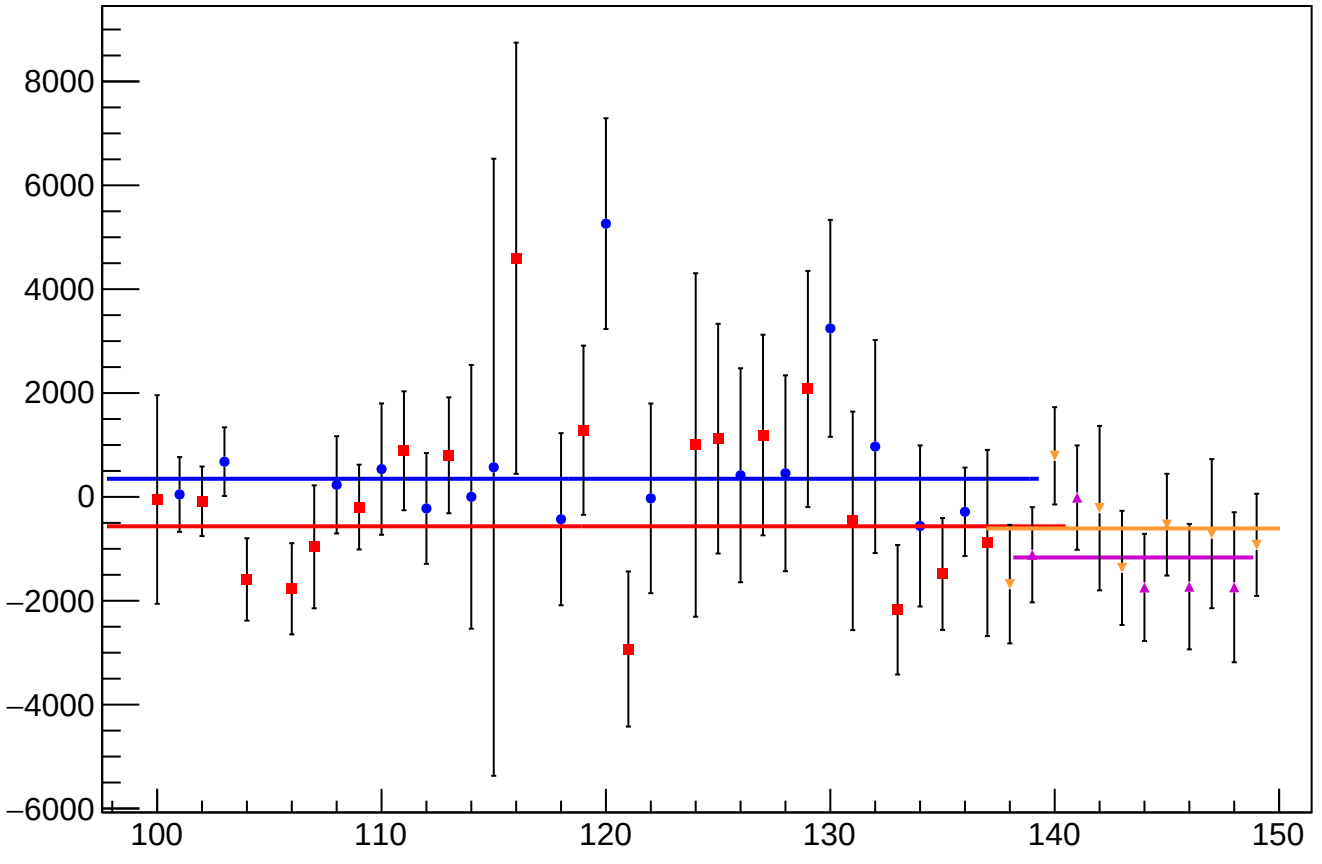
Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 151.116+/-0.052 χ^2/NDF:151195.0/4

+ sign 124.226+/-0.026 χ^2/NDF: 1465203.2/22

All: 120.402+/-0.018 χ^2/NDF: 3240605.7/46

- sign 116.727+/-0.025 χ^2/NDF: 1731551.0/23



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -607.555+/-419.077 χ^2/NDF:3.8/6

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

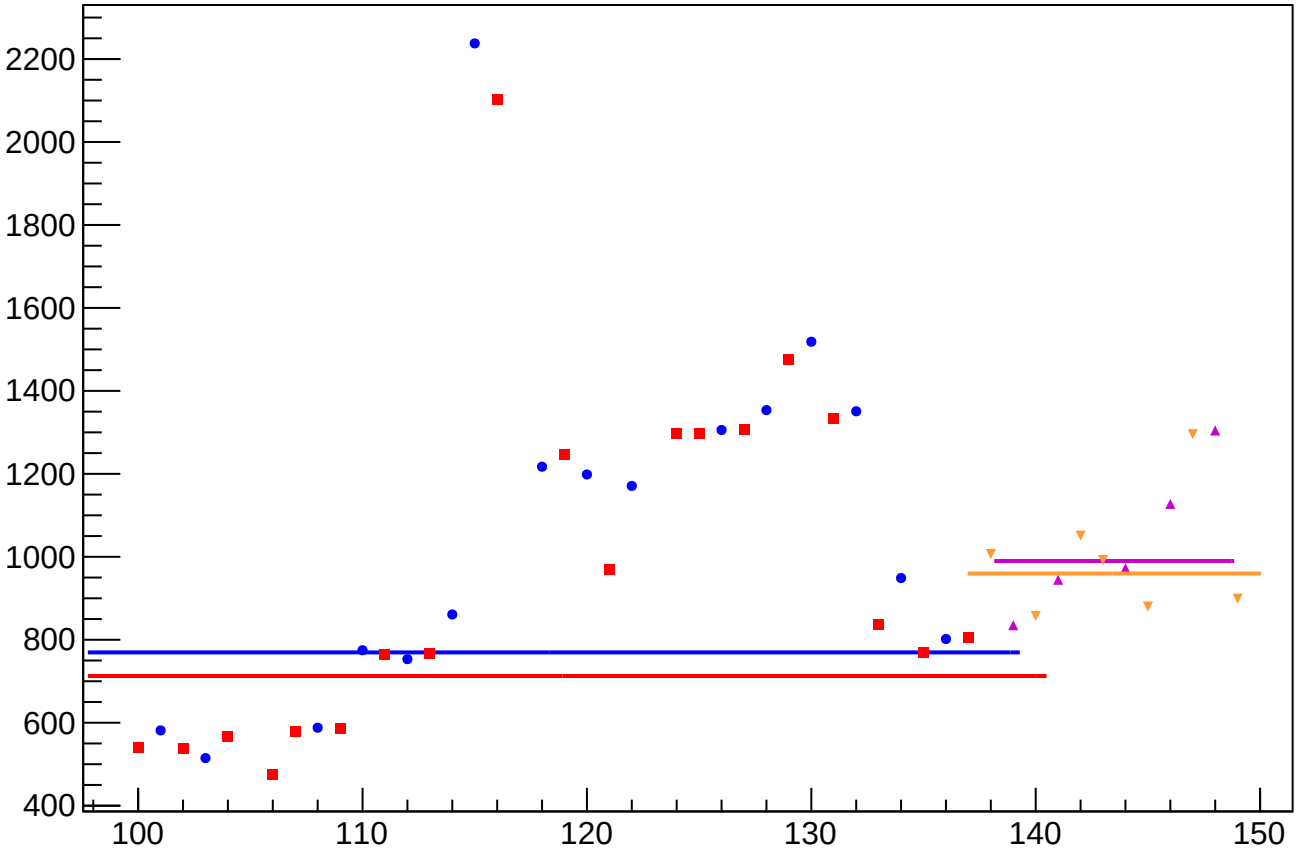
Left In: -1166.108+/-482.923 χ^2/NDF:2.0/4

+ sign 17.383+/-246.777 χ^2/NDF: 17.0/22

All: -357.085+/-172.683 χ^2/NDF: 43.0/46

- sign -716.372+/-241.723 χ^2/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: 959.702+/-0.296 χ^2/NDF:165897.8/6

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

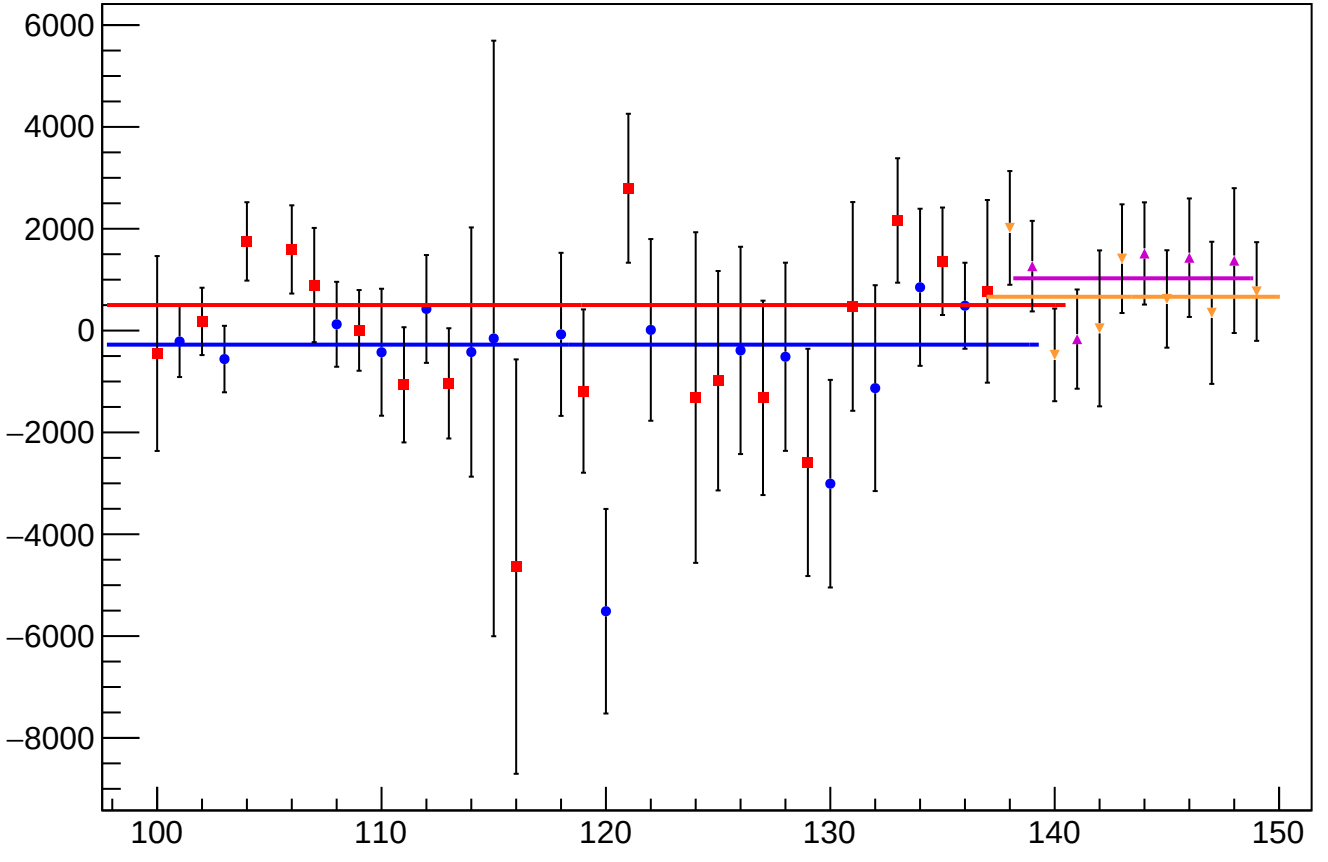
Left In: 989.860+/-0.341 χ^2/NDF:182615.7/4

+ sign 835.490+/-0.174 χ^2/NDF: 2174796.5/22

All: 808.235+/-0.122 χ^2/NDF: 4666413.9/46

- 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: 664.159+/-408.811 χ^2/NDF:3.8/6

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

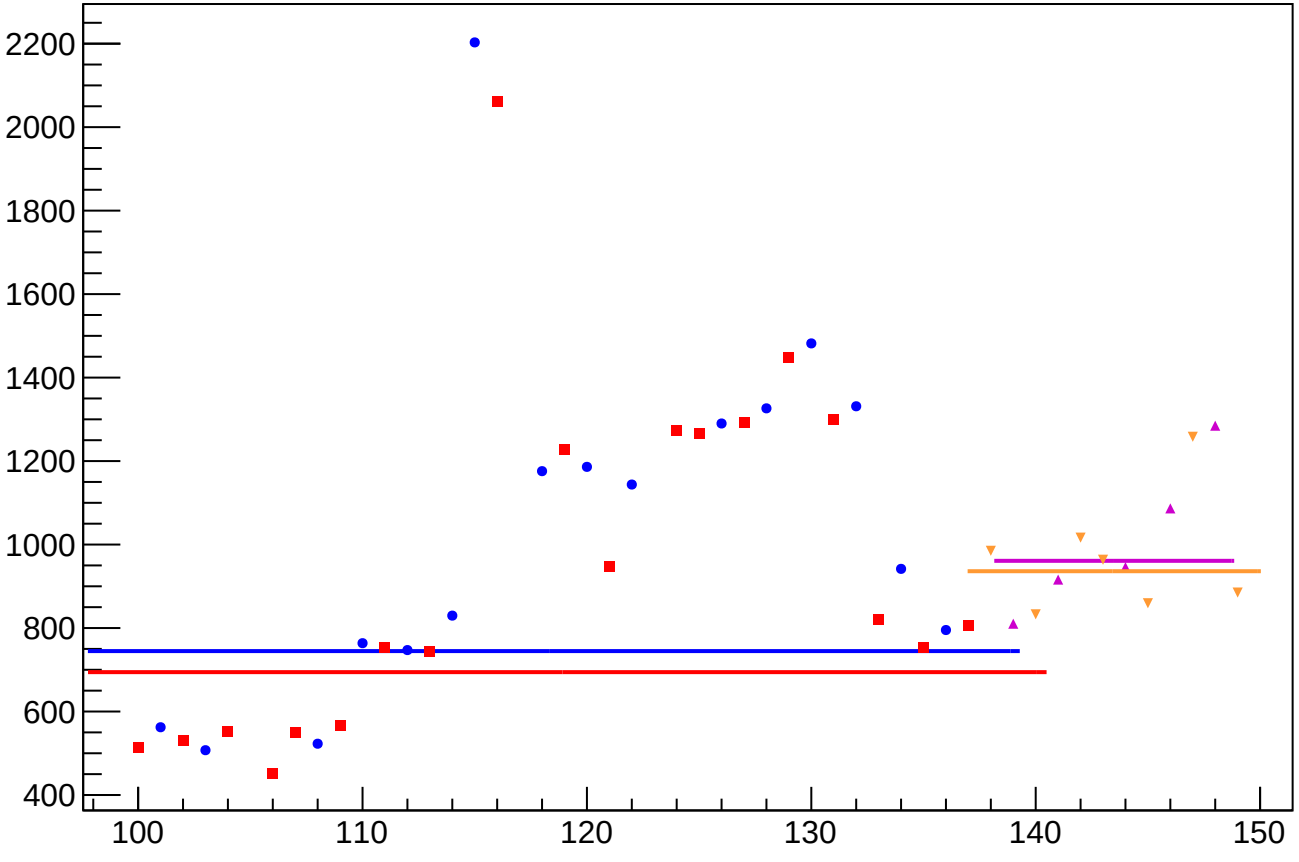
Left In: 1026.609+/-469.180 χ^2/NDF:2.0/4

+ sign 48.243+/-240.129 χ^2/NDF: 18.3/22

All: 346.597+/-168.302 χ^2/NDF: 44.7/46

- 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: 936.134+/-0.289 χ^2/NDF:161384.8/6

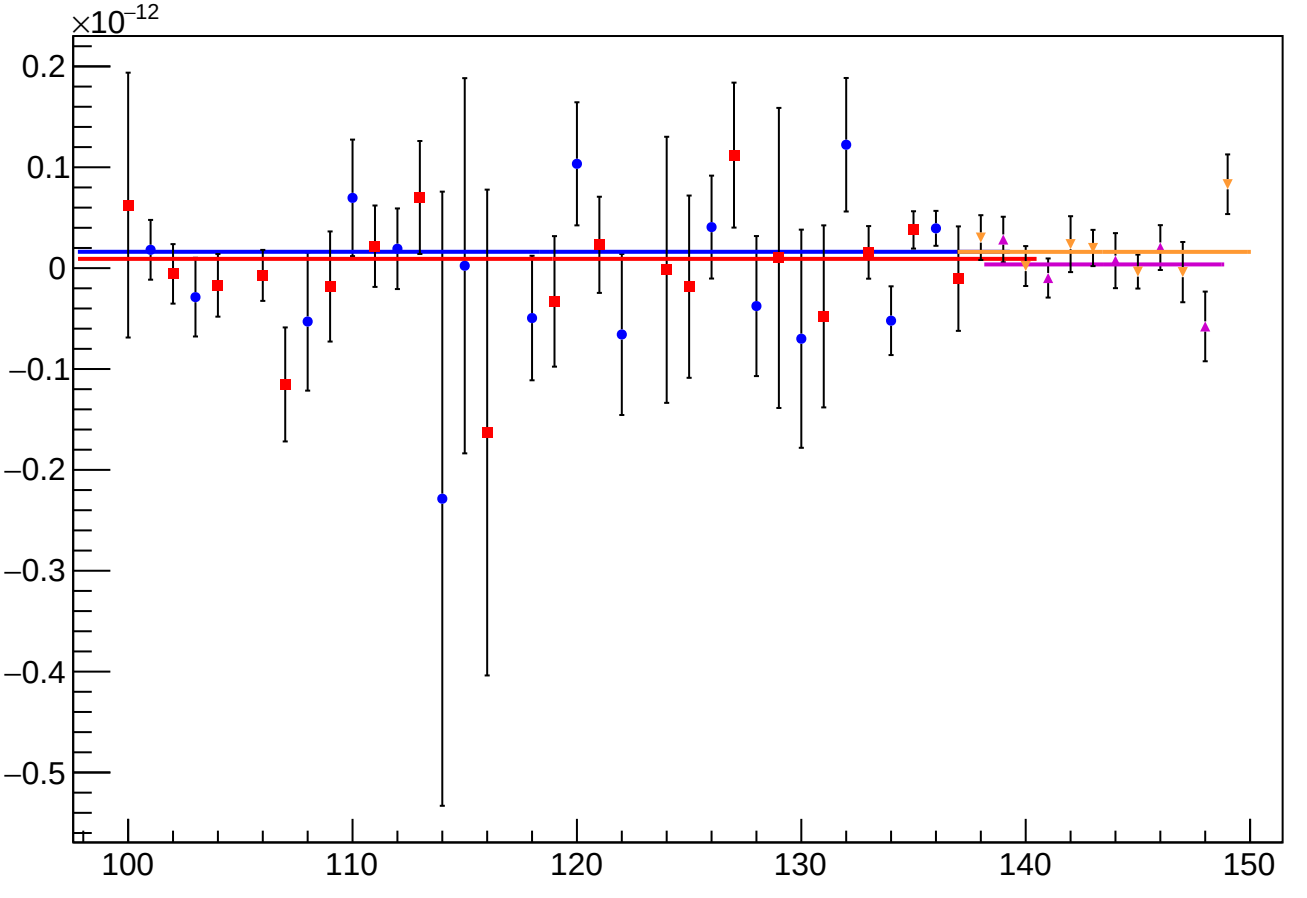
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 961.033+/-0.332 χ^2/NDF:189025.2/4

+ sign 810.803+/-0.170 χ^2/NDF: 2270935.6/22

All: 785.871+/-0.119 χ^2/NDF: 4788819.6/46

- sign 761.798+/-0.167 χ^2/NDF: 2475507.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

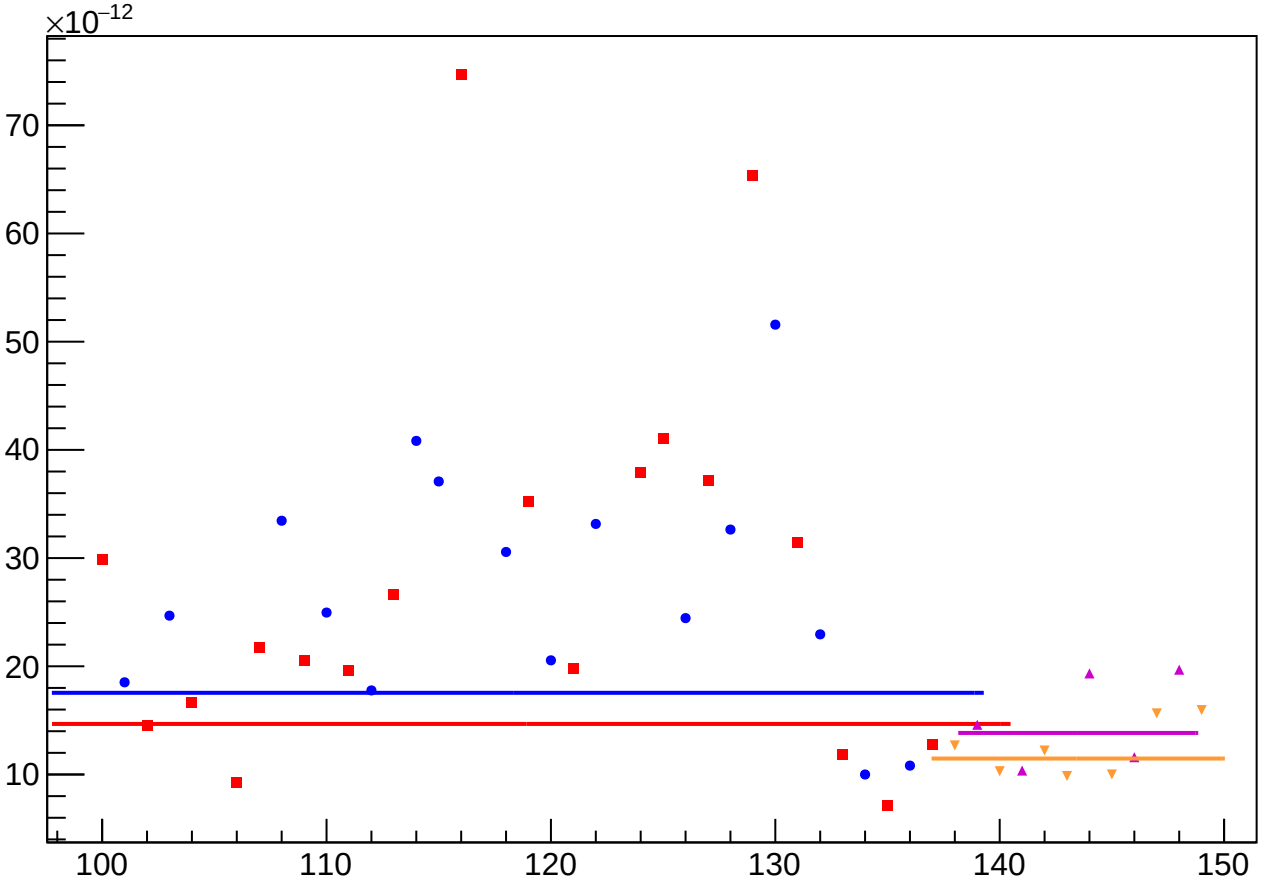
Left In: 0.000+/-0.000 χ^2/NDF:5.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 25.9/22

All: 0.000+/-0.000 χ^2/NDF: 46.6/46

- 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:130733.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

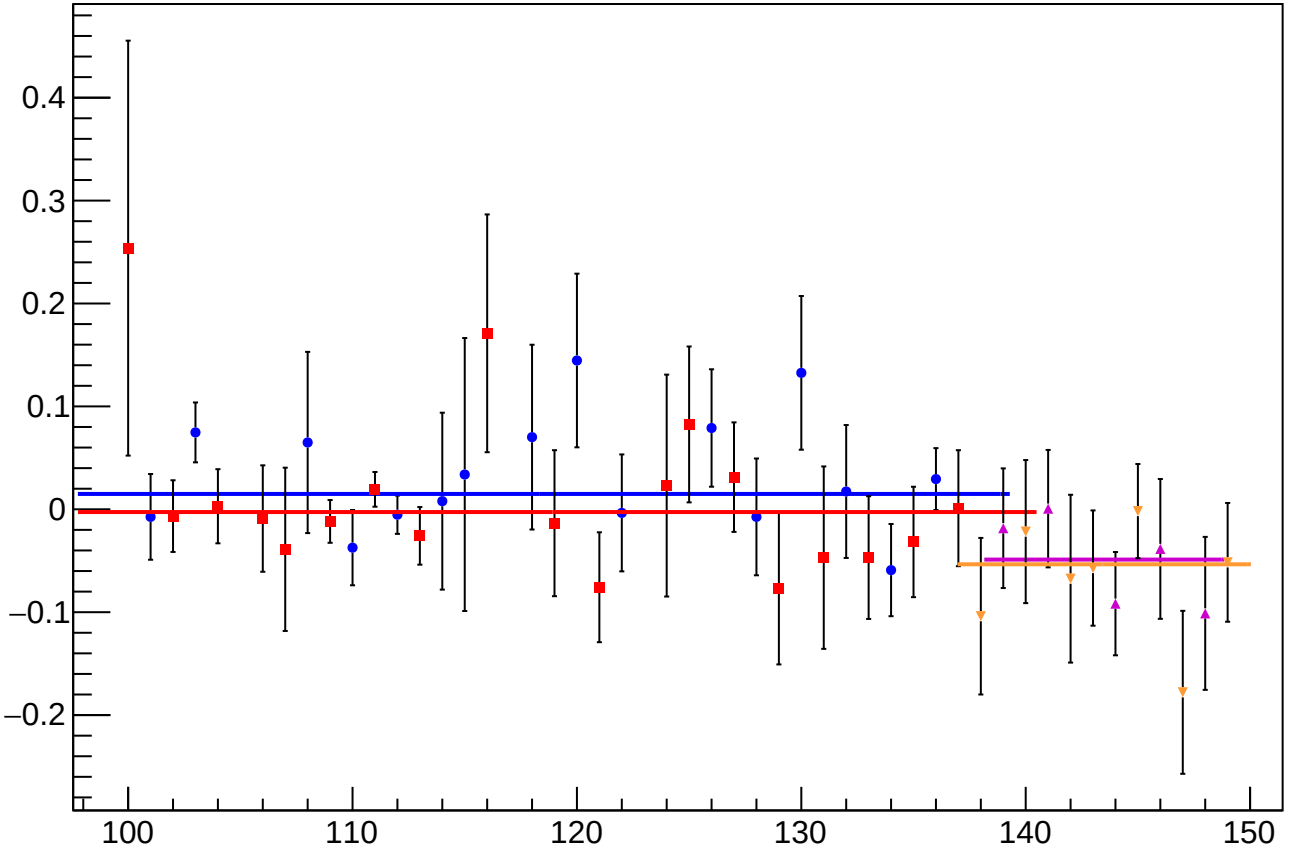
Left In: 0.000+/-0.000 χ^2/NDF:225501.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 1693140.7/22

All: 0.000+/-0.000 χ^2/NDF: 3674252.6/46

- 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: -0.053+/-0.024 χ^2/NDF:4.4/6

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

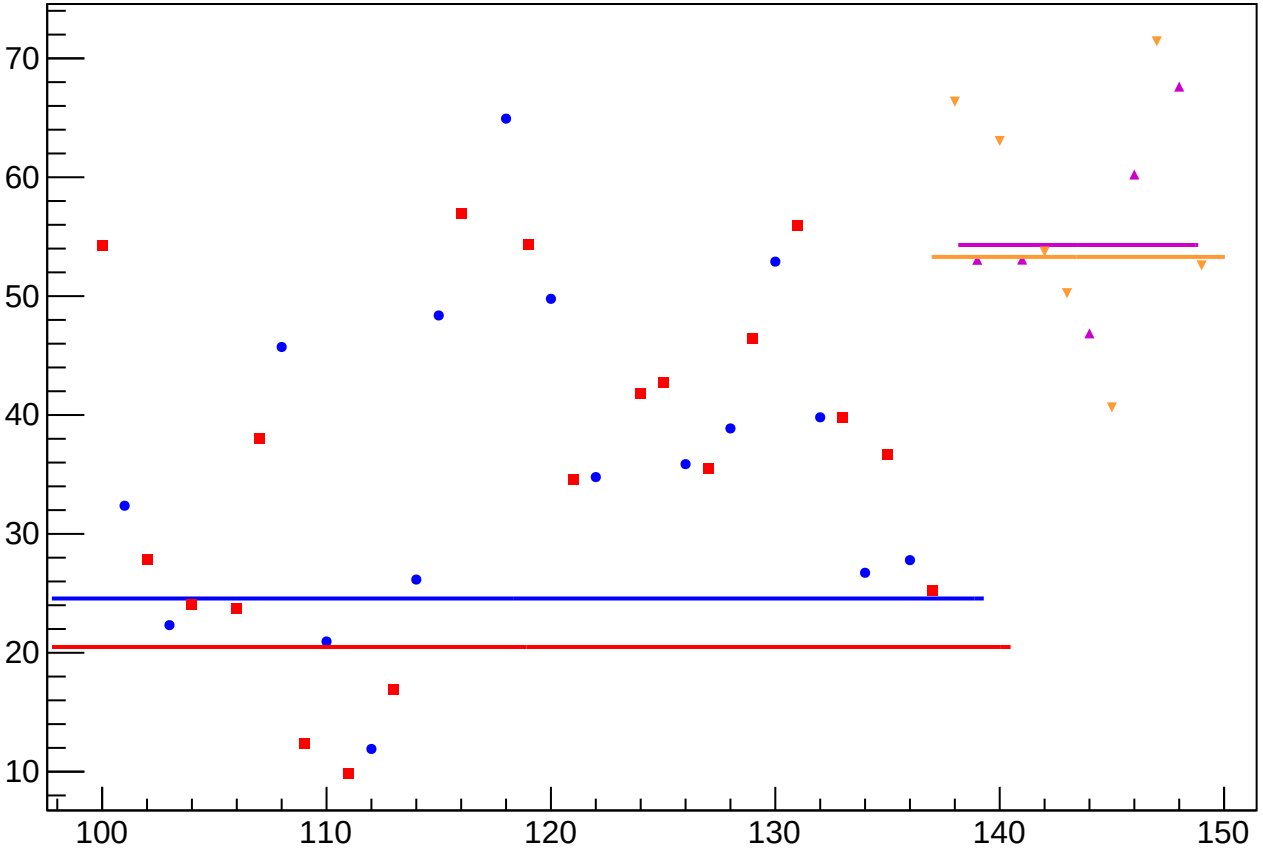
Left In: -0.049+/-0.027 χ^2/NDF:2.3/4

+ sign 0.004+/-0.010 χ^2/NDF: 29.2/22

All: -0.003+/-0.006 χ^2/NDF: 47.3/46

- sign -0.008+/-0.009 χ^2/NDF: 17.4/23

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.299+/-0.017 χ^2/NDF:362508.0/6

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

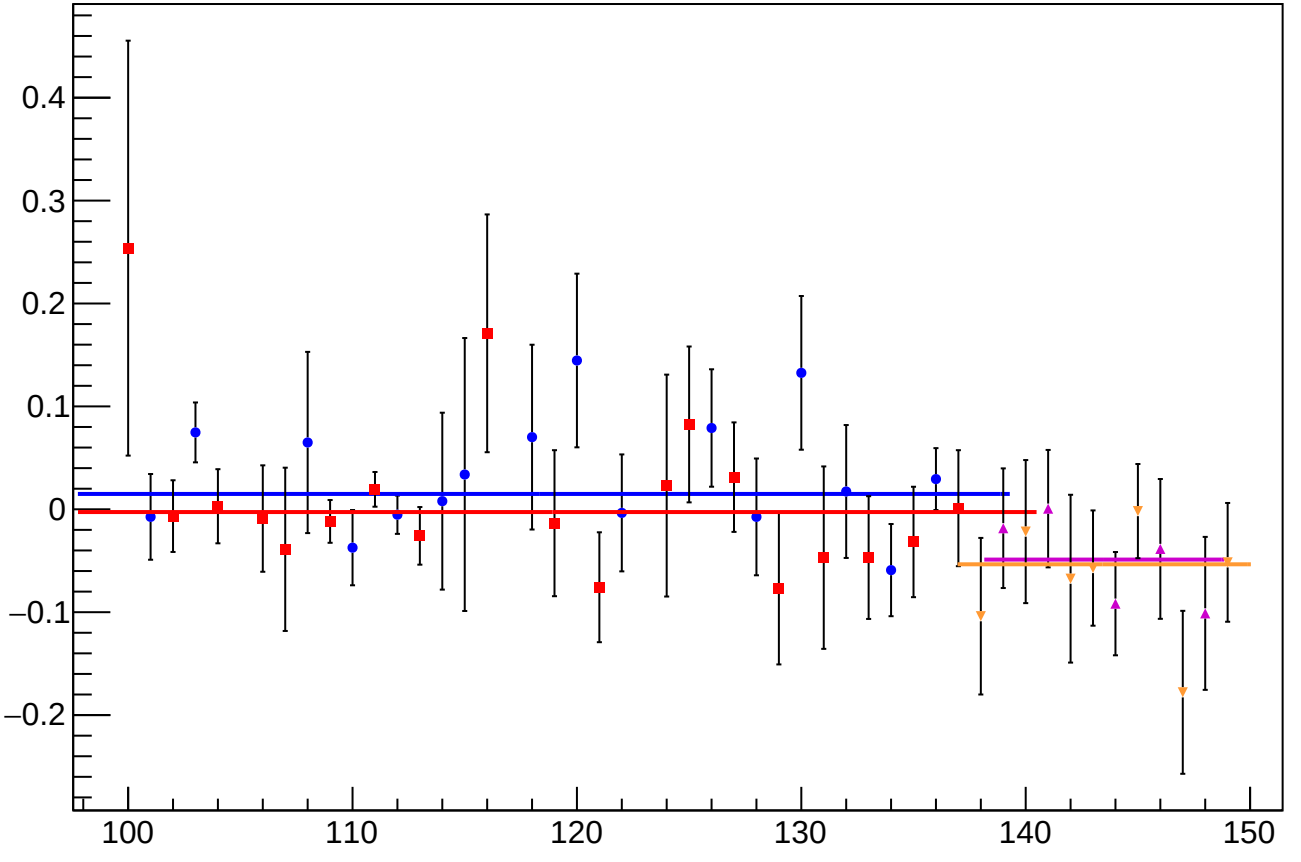
Left In: 54.304+/-0.019 χ^2/NDF:125190.9/4

+ sign 29.358+/-0.007 χ^2/NDF: 5303985.9/22

All: 26.451+/-0.005 χ^2/NDF: 12198204.4/46

- 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: -0.053+/-0.024 χ^2/NDF:4.4/6

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

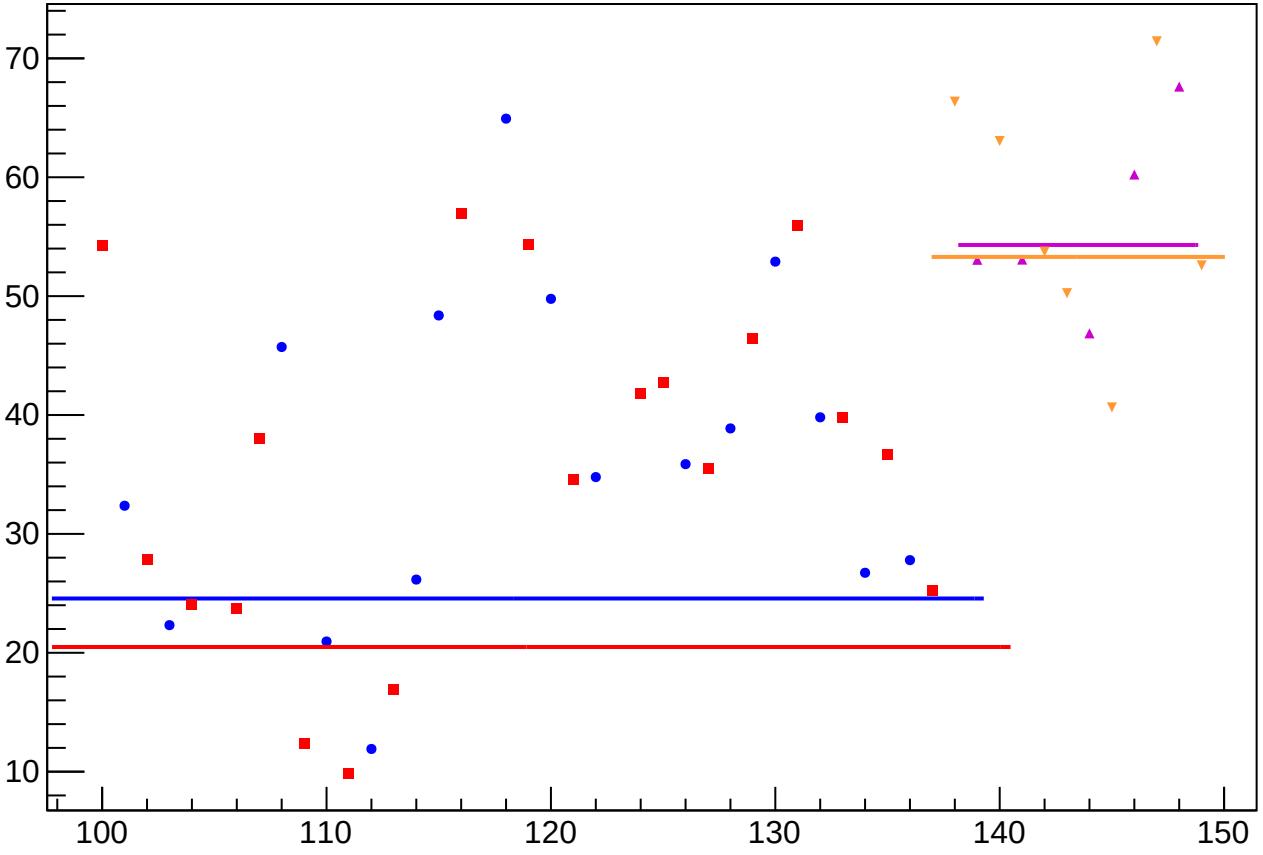
Left In: -0.049+/-0.027 χ^2/NDF:2.3/4

+ sign 0.004+/-0.010 χ^2/NDF: 29.2/22

All: -0.003+/-0.006 χ^2/NDF: 47.3/46

- 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: 53.299+/-0.017 χ^2/NDF:362508.0/6

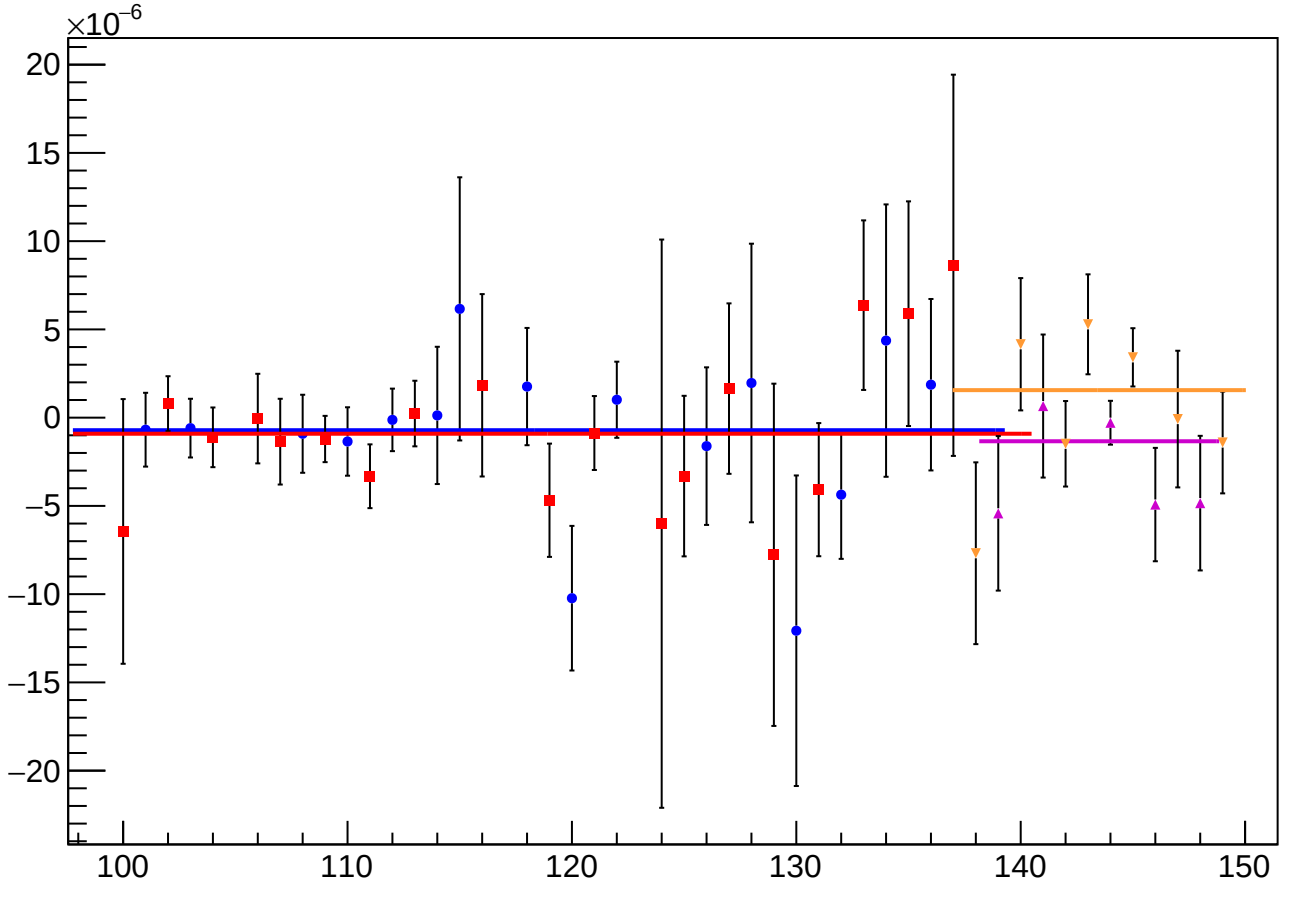
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 54.304+/-0.019 χ^2/NDF:125190.9/4

+ sign 29.358+/-0.007 χ^2/NDF: 5303985.9/22

All: 26.451+/-0.005 χ^2/NDF: 12198204.4/46

- 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:9.5/6

Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

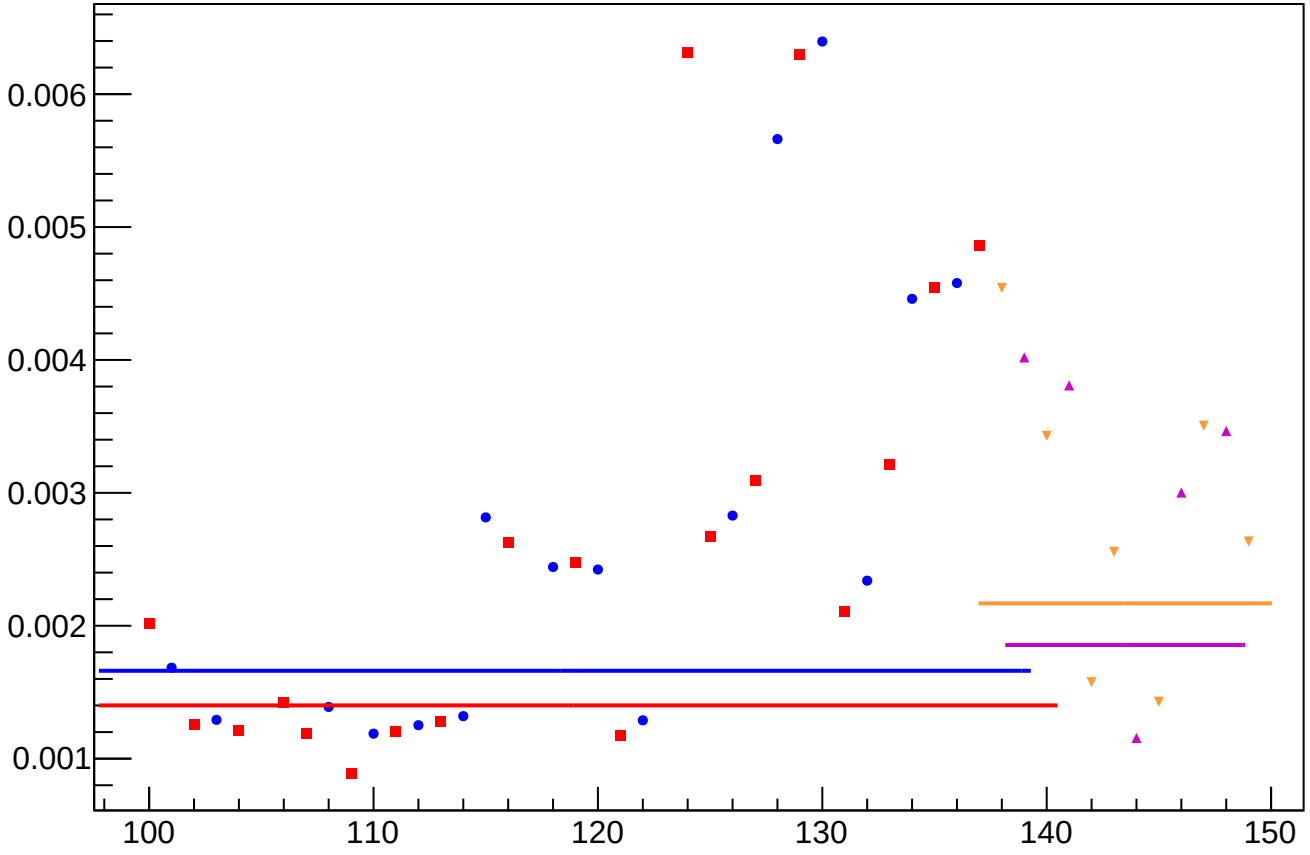
Left In: -0.000+/-0.000 χ^2/NDF:3.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 24.1/22

All: -0.000+/-0.000 χ^2/NDF: 41.8/46

- sign -0.000+/-0.000 χ^2/NDF: 15.9/23

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1501602.0/6

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

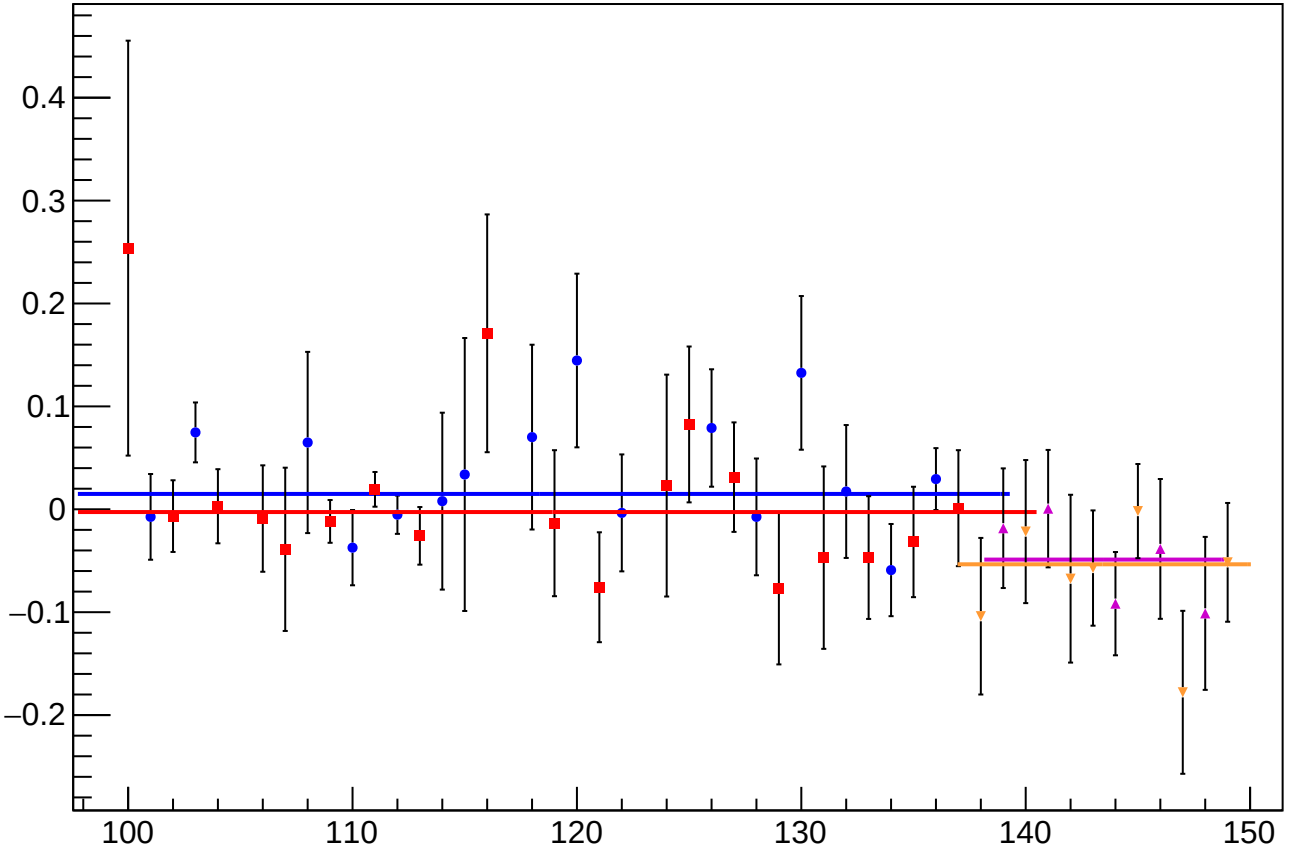
Left In: 0.002+/-0.000 χ^2/NDF:2199966.8/4

+ sign 0.002+/-0.000 χ^2/NDF: 4779349.5/22

All: 0.002+/-0.000 χ^2/NDF: 10513263.3/46

- sign 0.002+/-0.000 χ^2/NDF: 5405875.4/23

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.053+/-0.024 χ^2/NDF:4.4/6

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

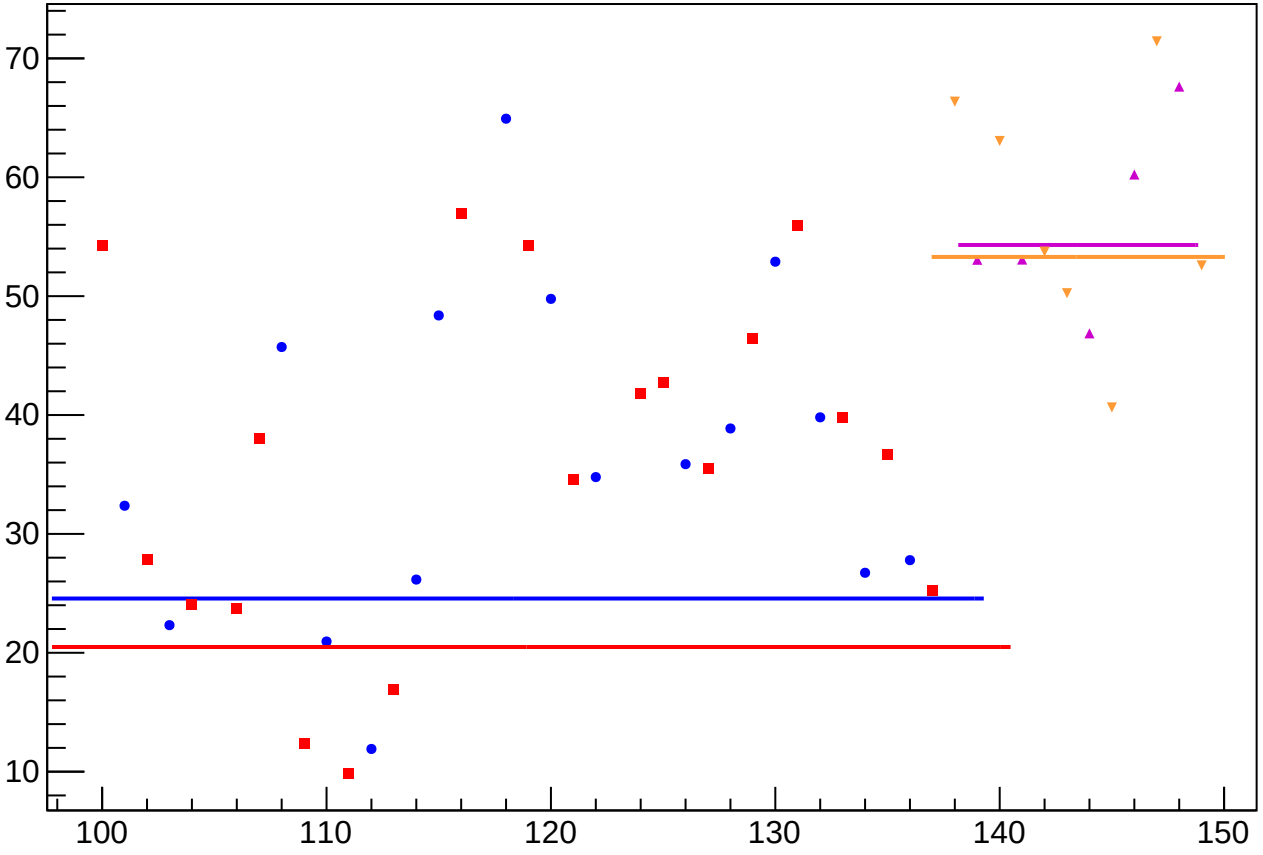
Left In: -0.049+/-0.027 χ^2/NDF:2.3/4

+ sign 0.004+/-0.010 χ^2/NDF: 29.2/22

All: -0.003+/-0.006 χ^2/NDF: 47.3/46

- 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: 53.299+/-0.017 χ^2/NDF:362562.3/6

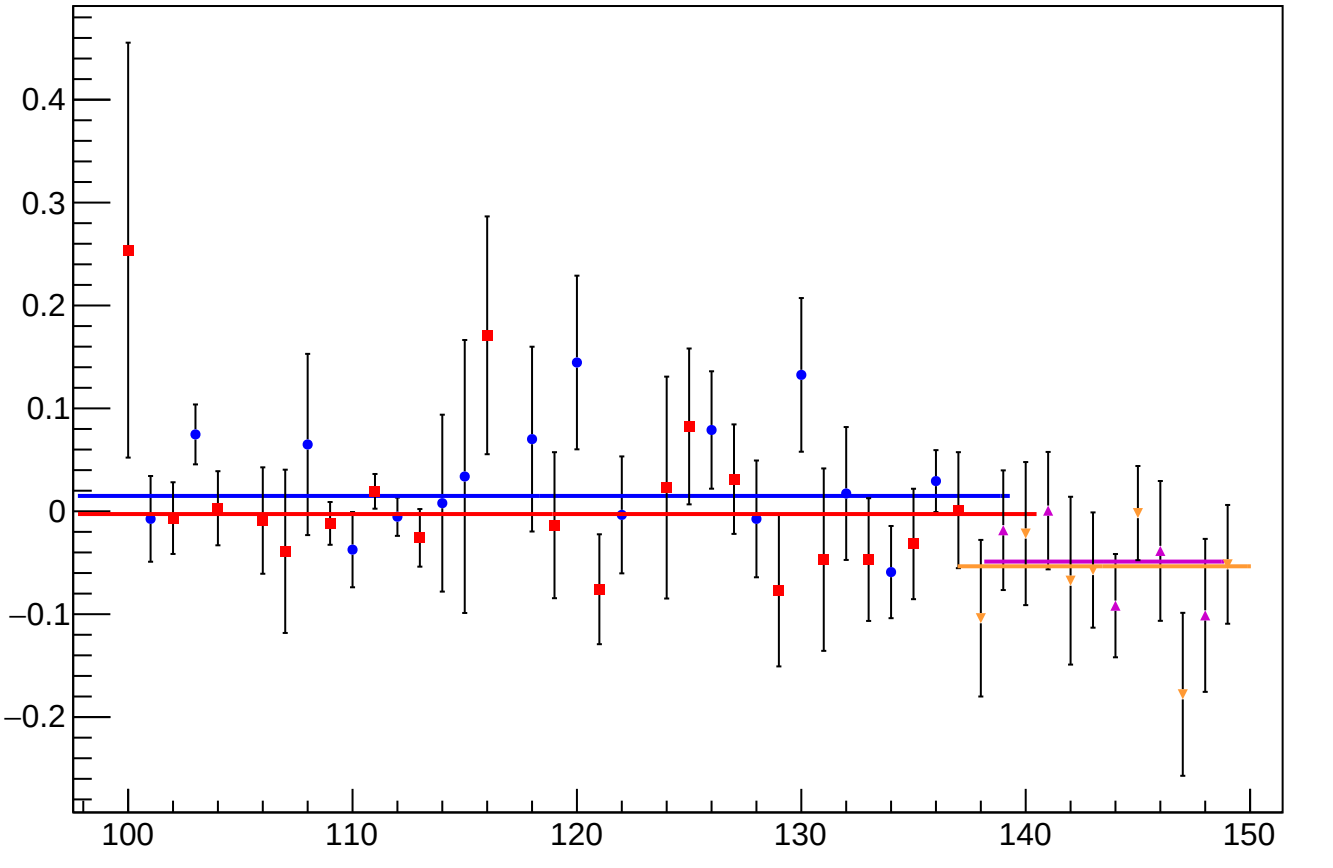
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 54.305+/-0.019 χ^2/NDF:125204.7/4

+ sign 29.358+/-0.007 χ^2/NDF: 5304086.8/22

All: 26.450+/-0.005 χ^2/NDF: 12198494.9/46

- 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: -0.053+/-0.024 χ^2/NDF:4.4/6

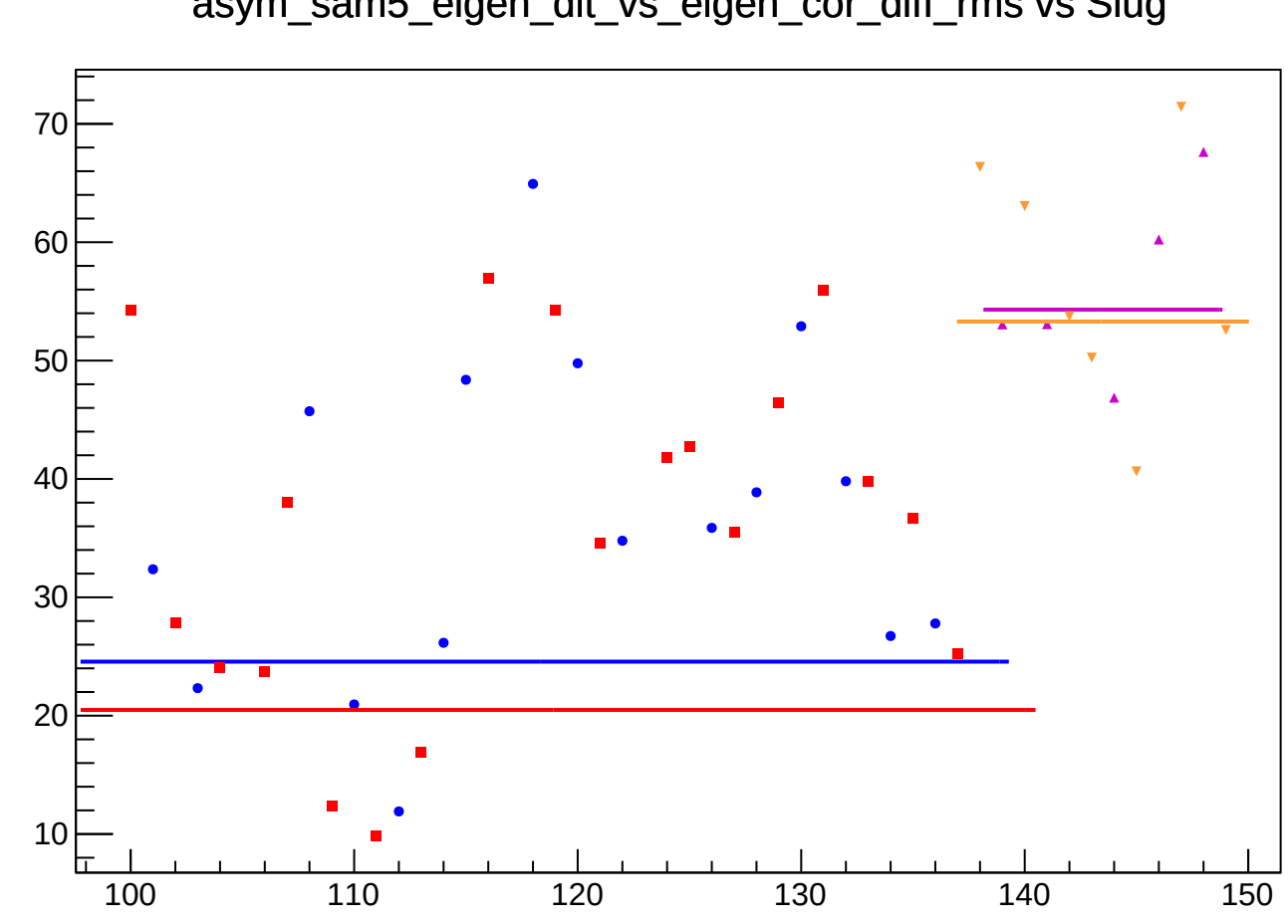
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.049+/-0.027 χ^2/NDF:2.3/4

+ sign 0.004+/-0.010 χ^2/NDF: 29.2/22

All: -0.003+/-0.006 χ^2/NDF: 47.3/46

- 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: 53.299+/-0.017 χ^2/NDF:362562.3/6

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

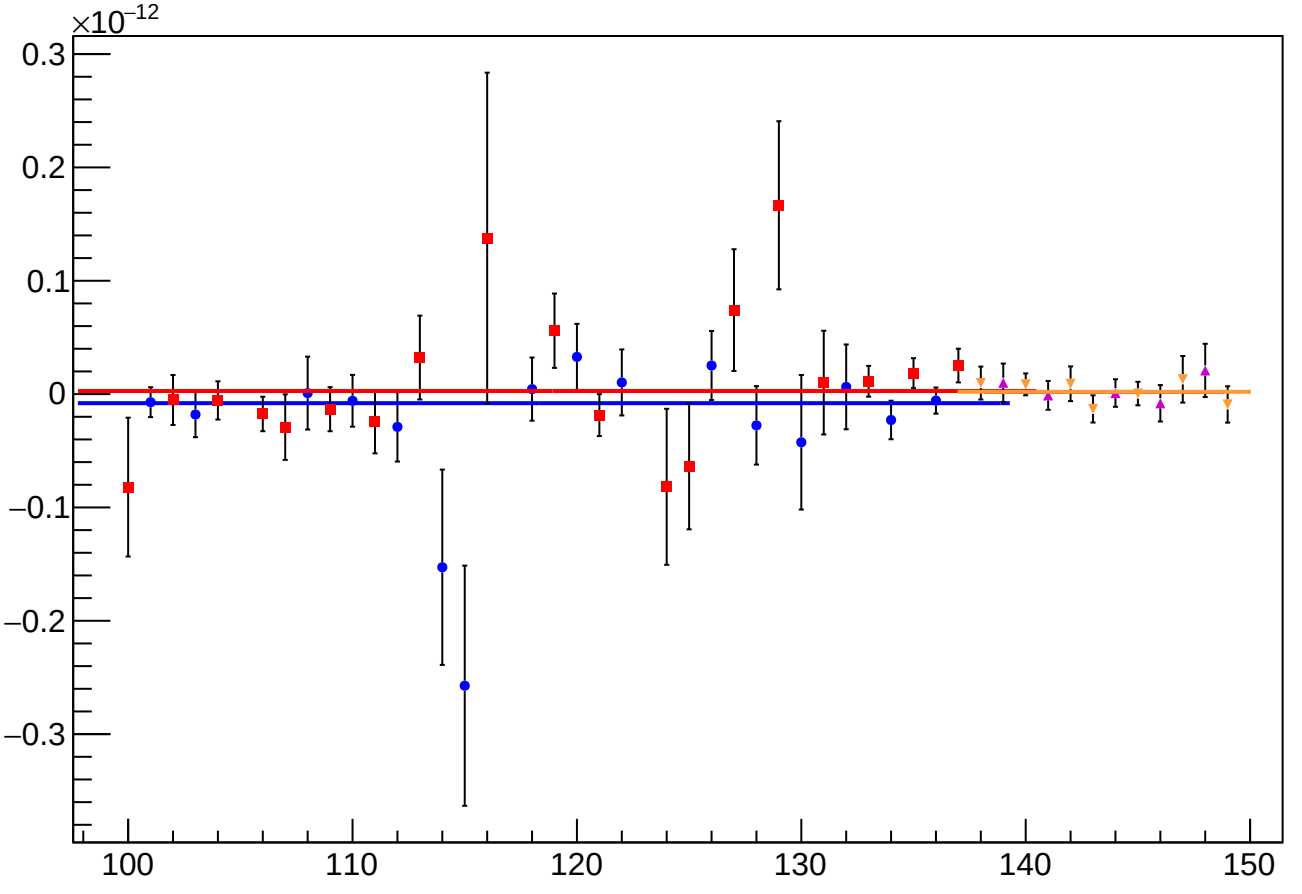
Left In: 54.305+/-0.019 χ^2/NDF:125204.7/4

+ sign 29.358+/-0.007 χ^2/NDF: 5304086.8/22

All: 26.450+/-0.005 χ^2/NDF: 12198494.9/46

- 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:3.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

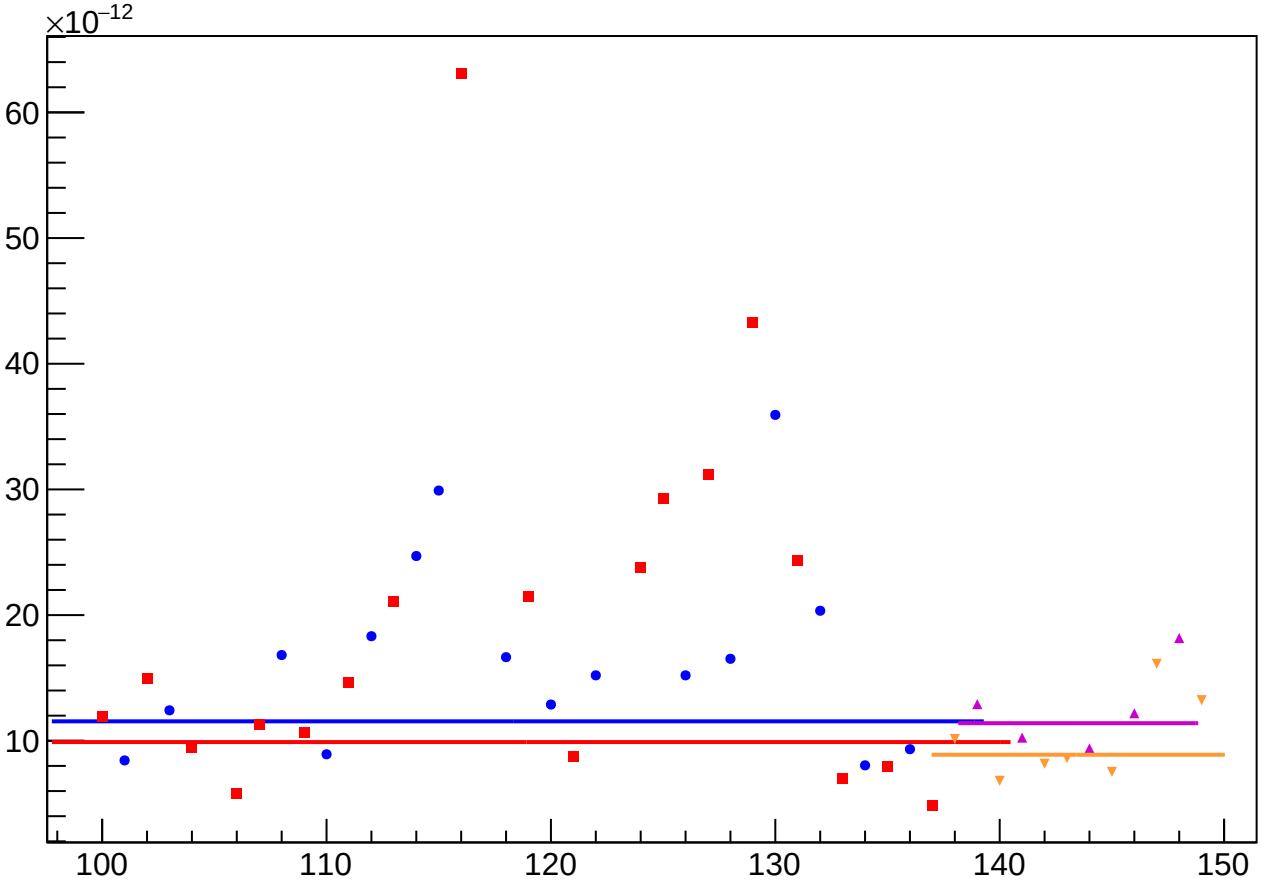
Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 19.6/22

All: -0.000+/-0.000 χ^2/NDF: 47.7/46

- sign 0.000+/-0.000 χ^2/NDF: 27.4/23

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:541229.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

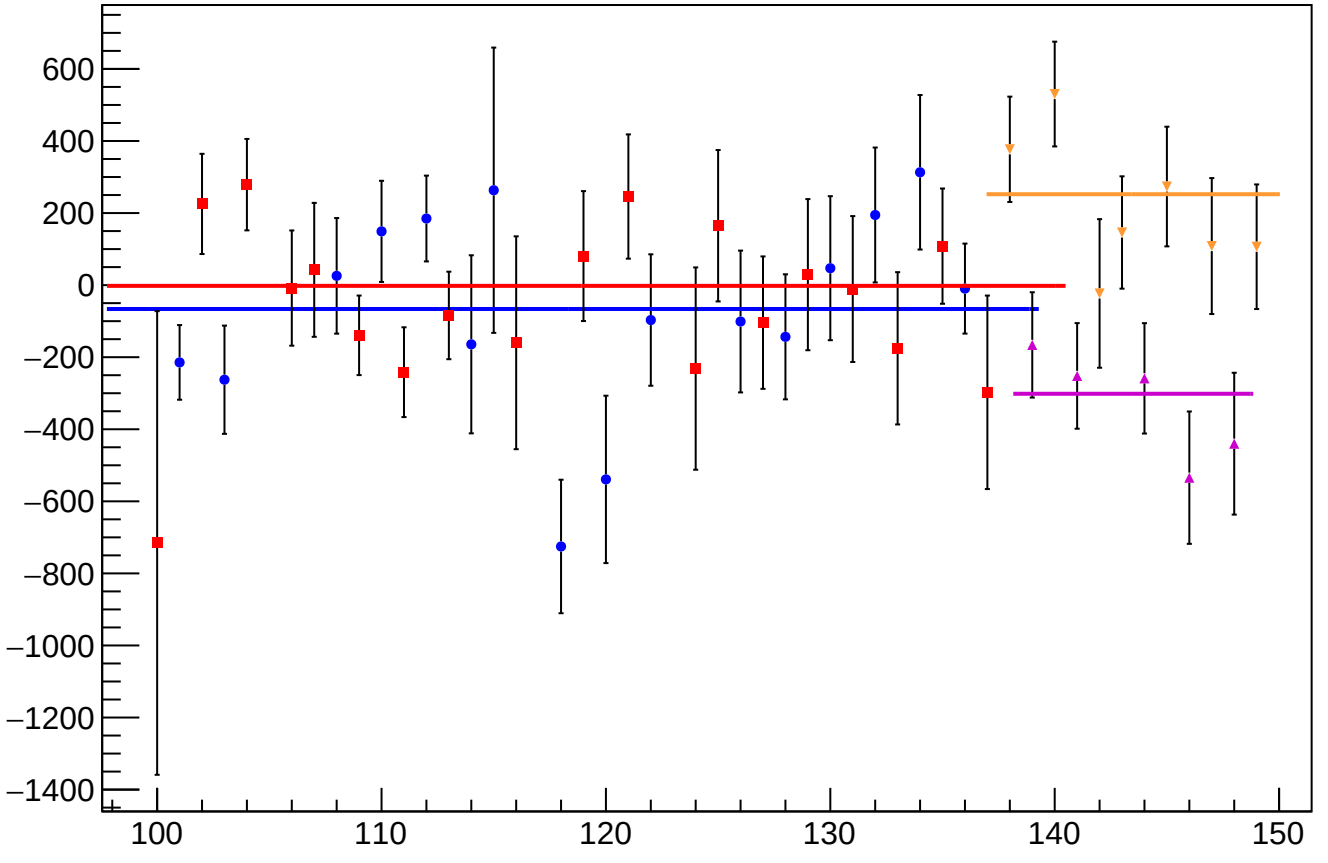
Left In: 0.000+/-0.000 χ^2/NDF:257880.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 1968651.8/22

All: 0.000+/-0.000 χ^2/NDF: 4938936.9/46

- sign 0.000+/-0.000 χ^2/NDF: 2956179.0/23

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 252.292+/-62.423 χ^2/NDF:7.9/6

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

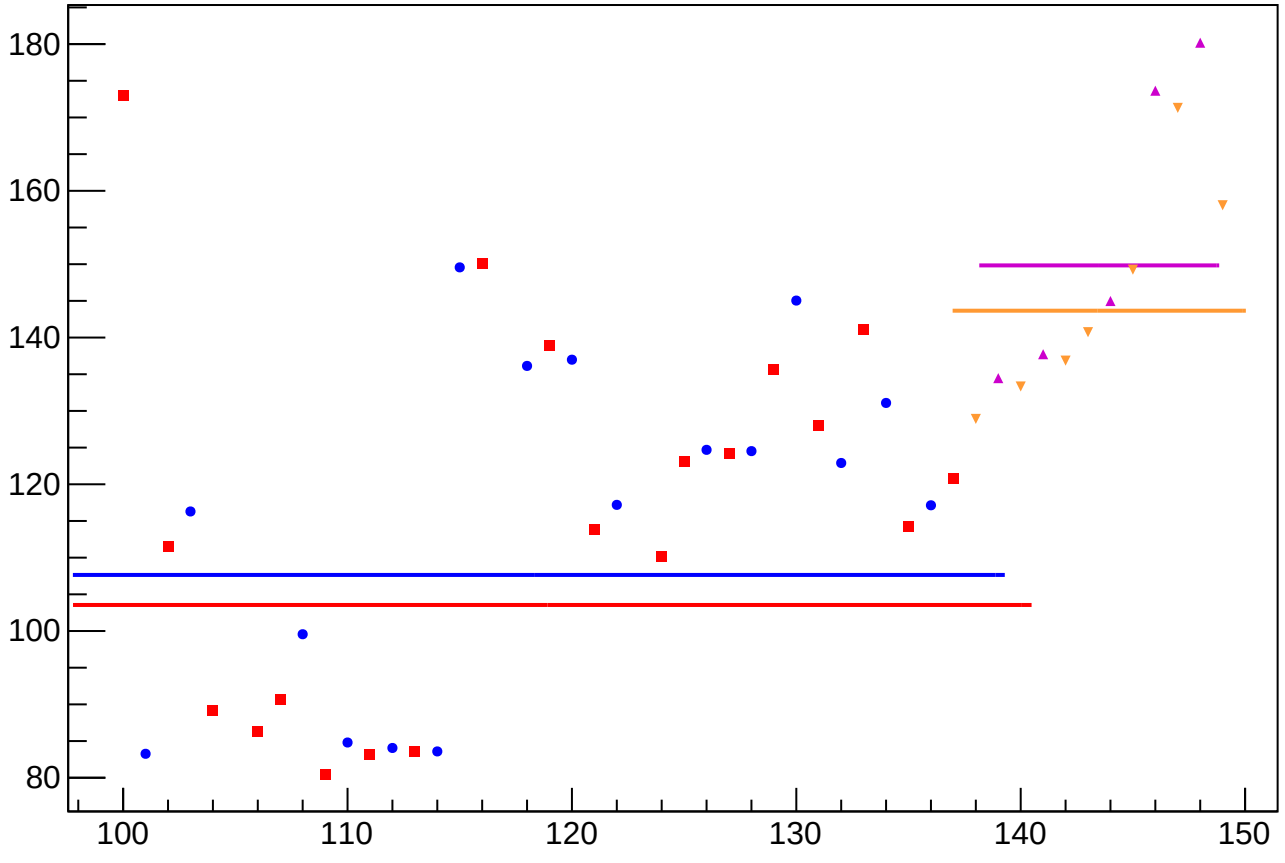
Left In: -301.526+/-72.268 χ^2/NDF:3.2/4

+ sign 29.561+/-34.232 χ^2/NDF: 60.5/22

All: -19.828+/-24.205 χ^2/NDF: 102.3/46

- 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: 143.661+/-0.044 χ^2/NDF:92403.1/6

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

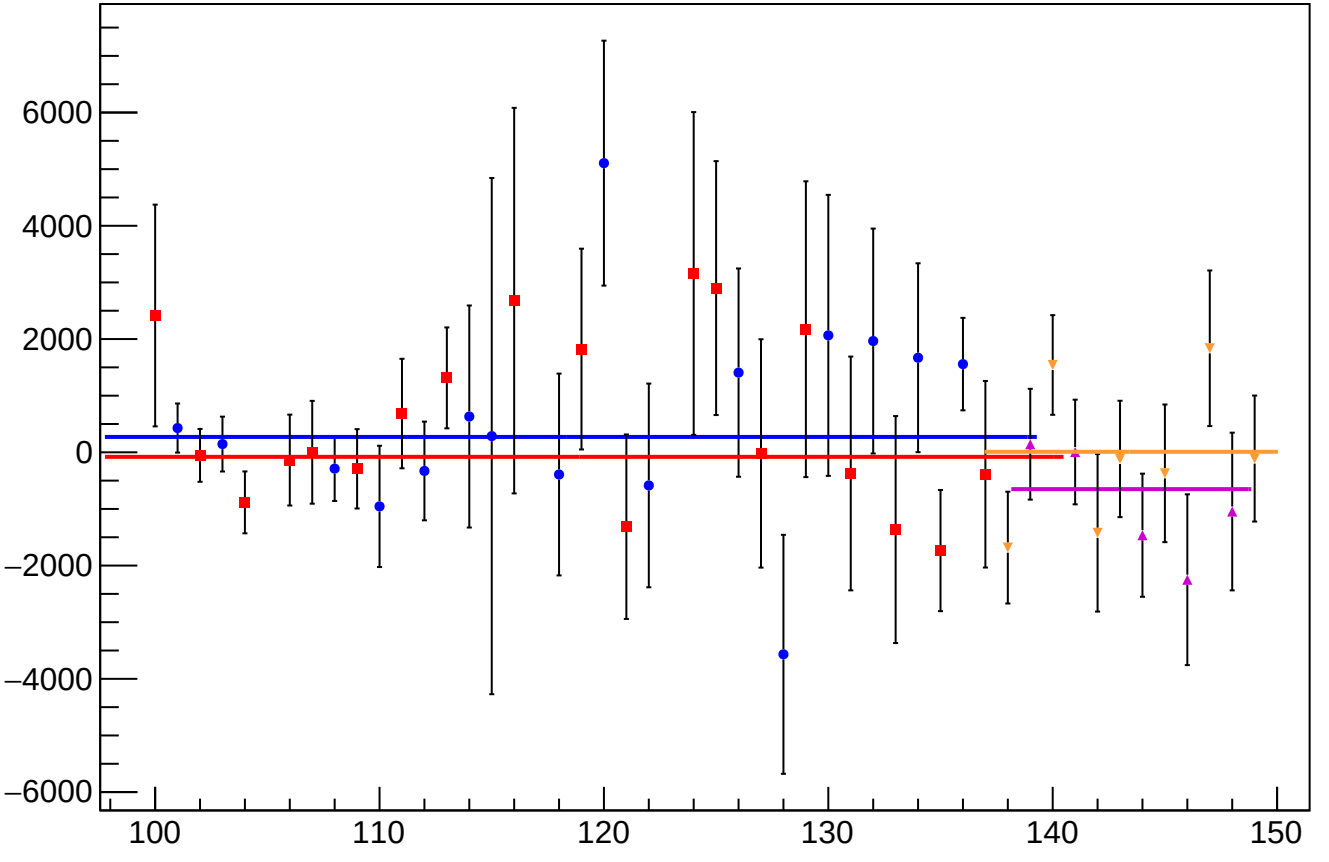
Left In: 149.835+/-0.051 χ^2/NDF:118971.7/4

+ sign 118.476+/-0.024 χ^2/NDF: 1090805.7/22

All: 116.205+/-0.017 χ^2/NDF: 2481079.5/46

- 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: 8.948+/-415.299 χ^2/NDF:8.9/6

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

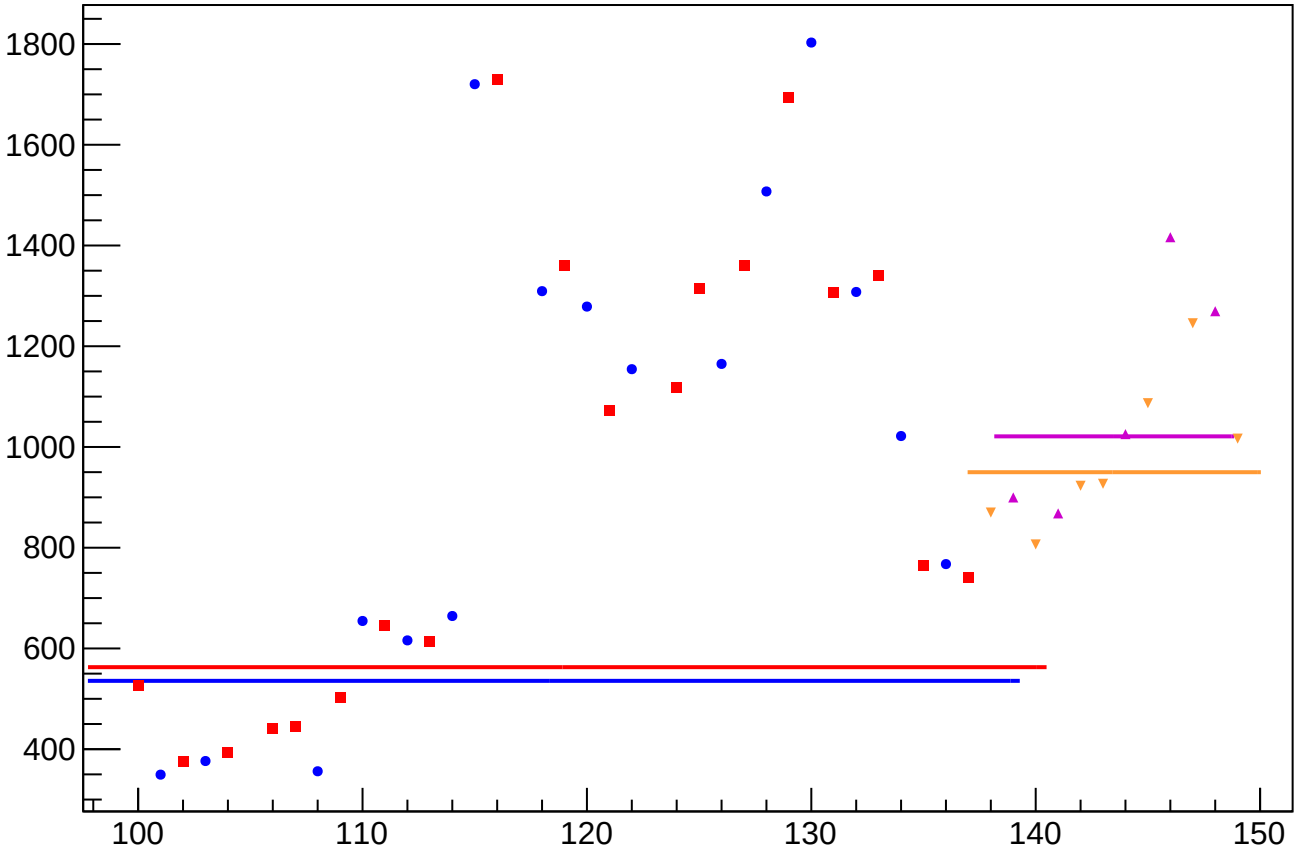
Left In: -650.168+/-498.917 χ^2/NDF:2.9/4

+ sign 209.605+/-201.648 χ^2/NDF: 25.7/22

All: 22.406+/-145.610 χ^2/NDF: 47.5/46

- 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: 949.914+/-0.294 χ^2/NDF:193290.5/6

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

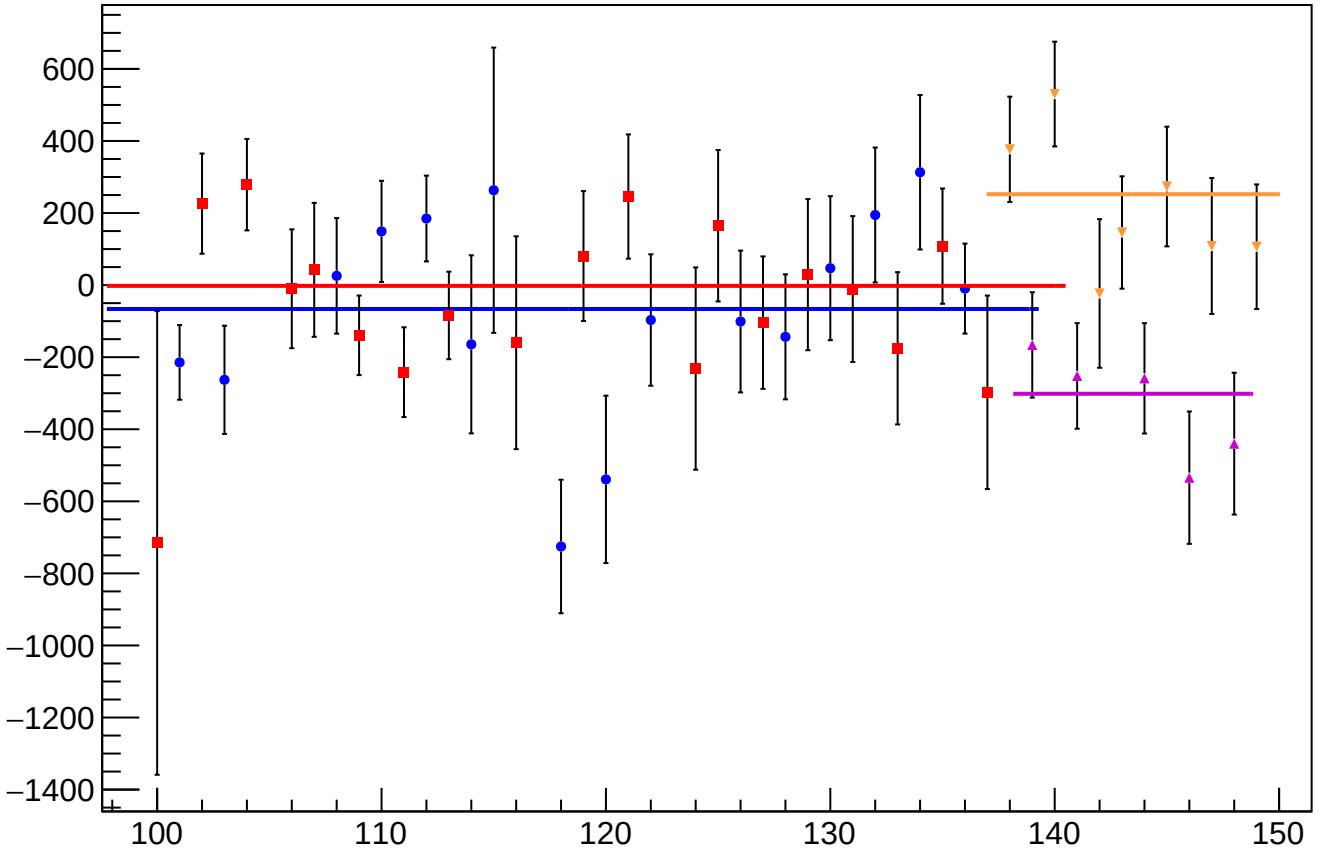
Left In: 1021.083+/-0.353 χ^2/NDF:286733.6/4

+ sign 633.341+/-0.143 χ^2/NDF: 5346319.7/22

All: 638.635+/-0.103 χ^2/NDF: 10133842.5/46

- 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: 252.301+/-62.423 χ^2/NDF:7.9/6

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

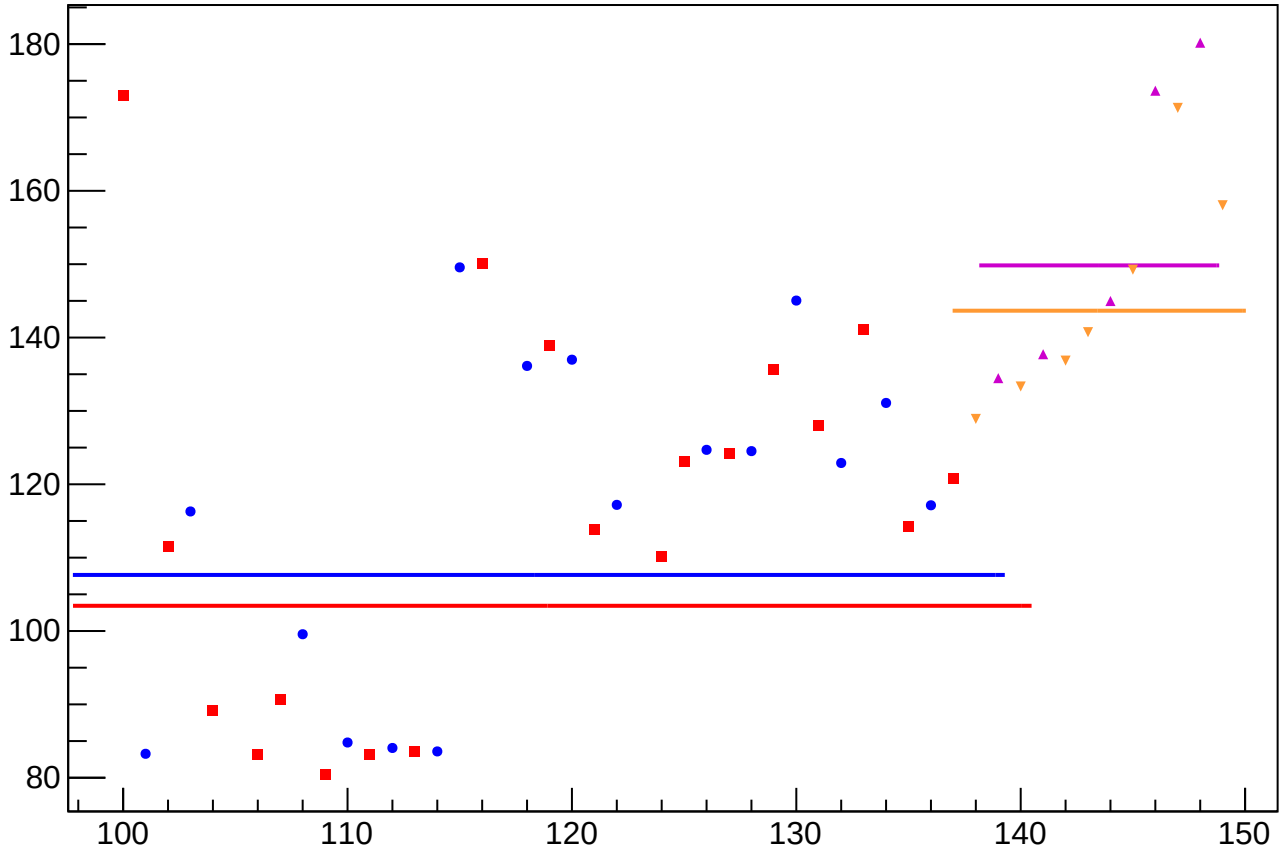
Left In: -301.523+/-72.268 χ^2/NDF:3.2/4

+ sign 29.546+/-34.232 χ^2/NDF: 60.6/22

All: -19.878+/-24.222 χ^2/NDF: 102.3/46

- 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: 143.661+/-0.044 χ^2/NDF:92403.1/6

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

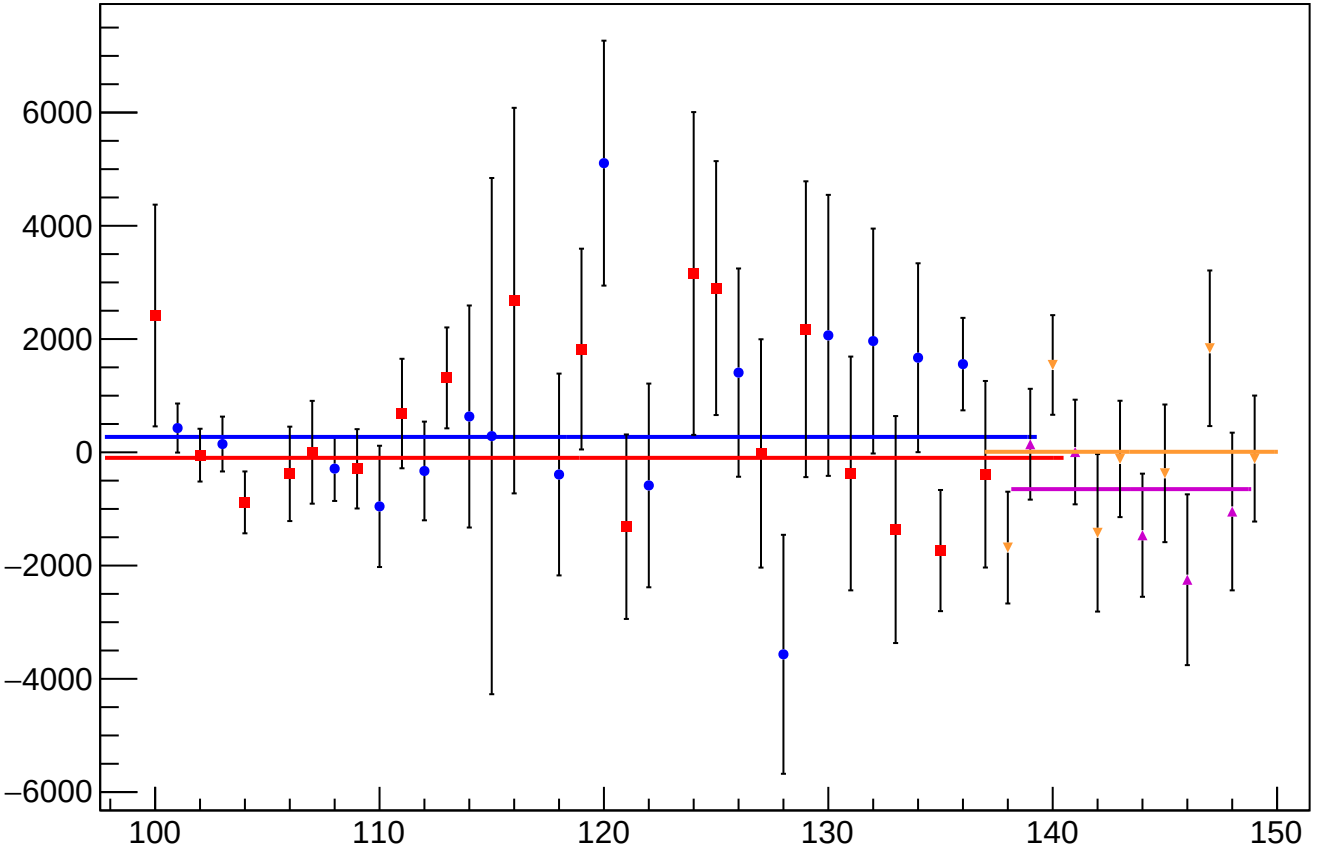
Left In: 149.835+/-0.051 χ^2/NDF:118971.7/4

+ sign 118.476+/-0.024 χ^2/NDF: 1090805.4/22

All: 116.179+/-0.017 χ^2/NDF: 2491477.1/46

- 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: 8.960+/-415.299 χ^2/NDF:8.9/6

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

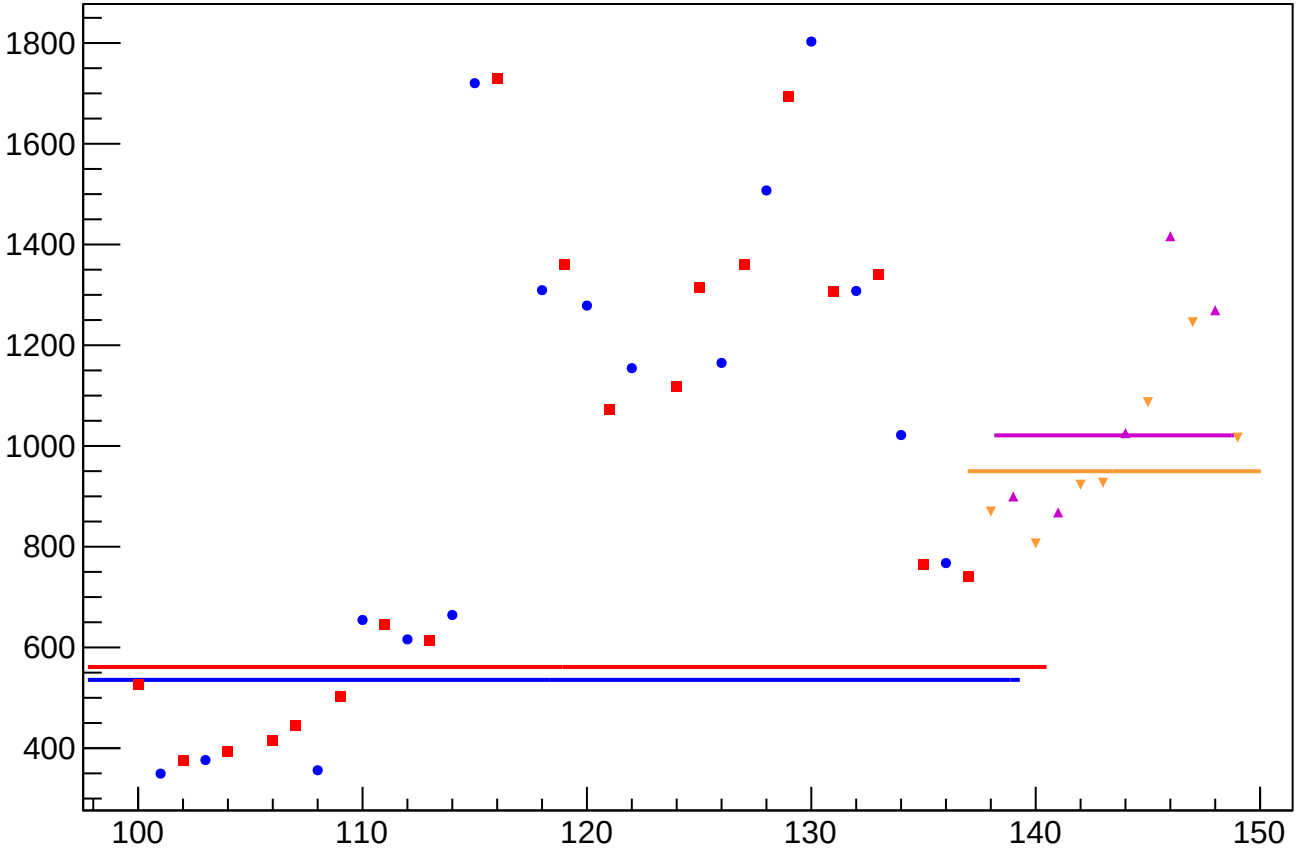
Left In: -650.149+/-498.917 χ^2/NDF:2.9/4

+ sign 209.718+/-201.643 χ^2/NDF: 25.7/22

All: 15.728+/-145.762 χ^2/NDF: 47.7/46

- 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: 949.914+/-0.294 χ^2/NDF:193290.7/6

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

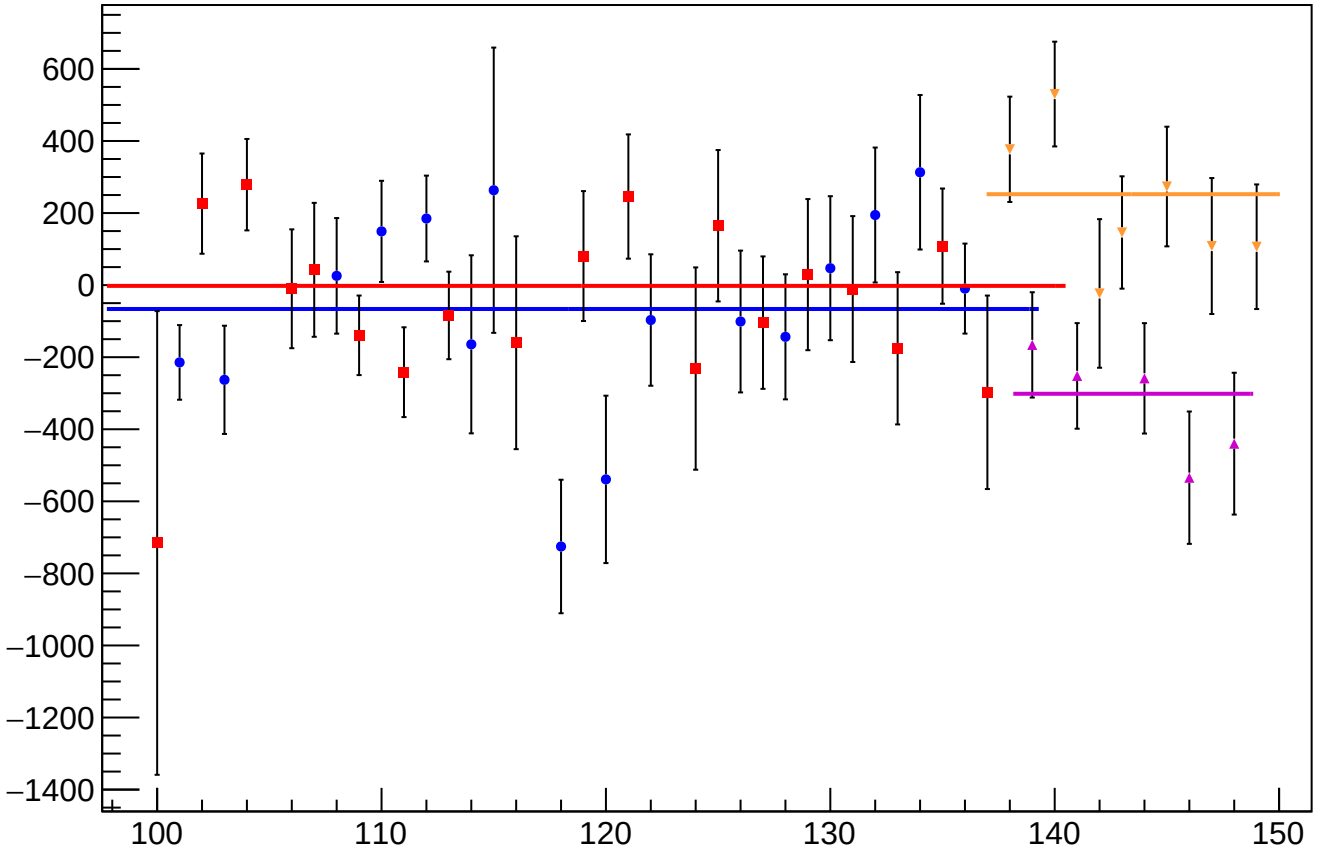
Left In: 1021.083+/-0.353 χ^2/NDF:286733.9/4

+ sign 633.320+/-0.143 χ^2/NDF: 5346701.6/22

All: 638.167+/-0.103 χ^2/NDF: 10161702.7/46

- 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: 252.301+/-62.423 χ^2/NDF:7.9/6

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

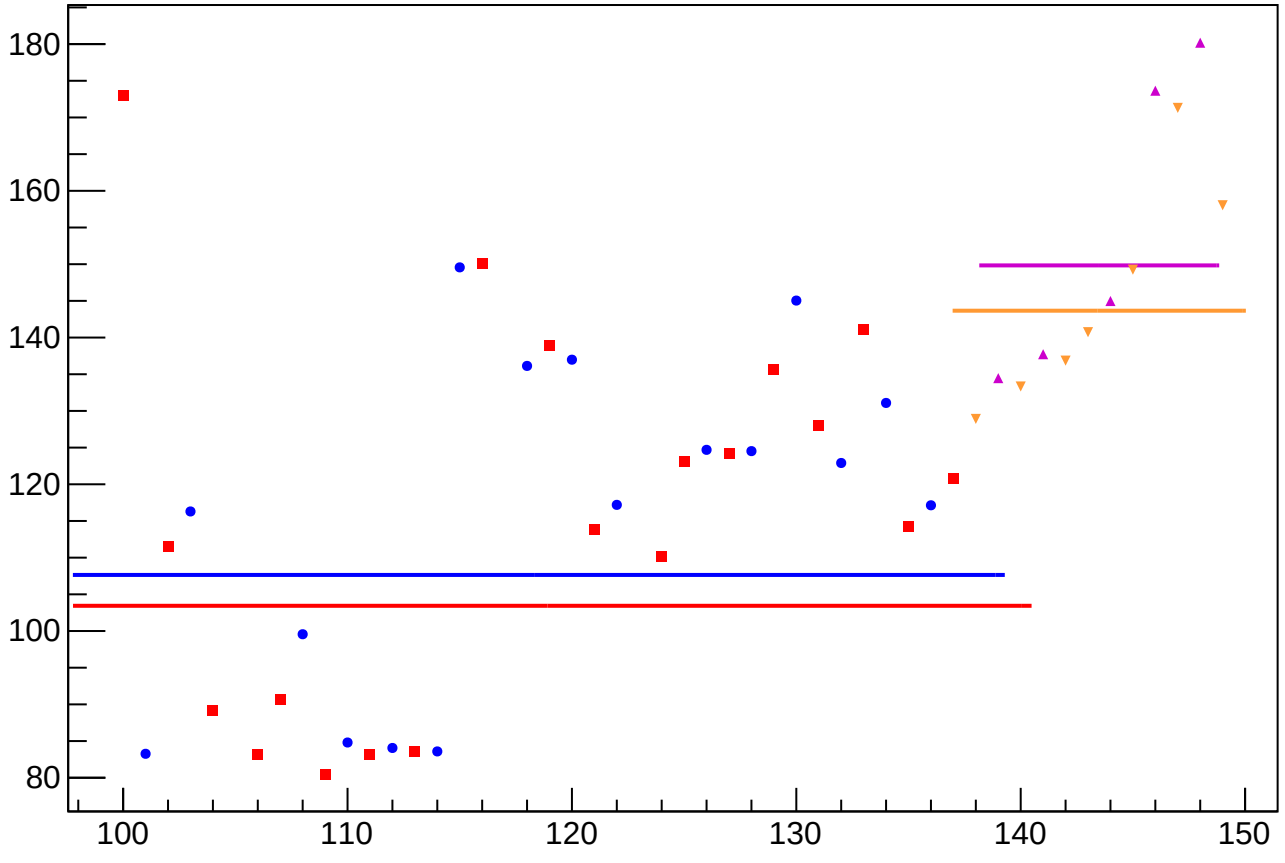
Left In: -301.523+/-72.268 χ^2/NDF:3.2/4

+ sign 29.546+/-34.232 χ^2/NDF: 60.6/22

All: -19.878+/-24.222 χ^2/NDF: 102.3/46

- 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: 143.661+/-0.044 χ^2/NDF:92403.1/6

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

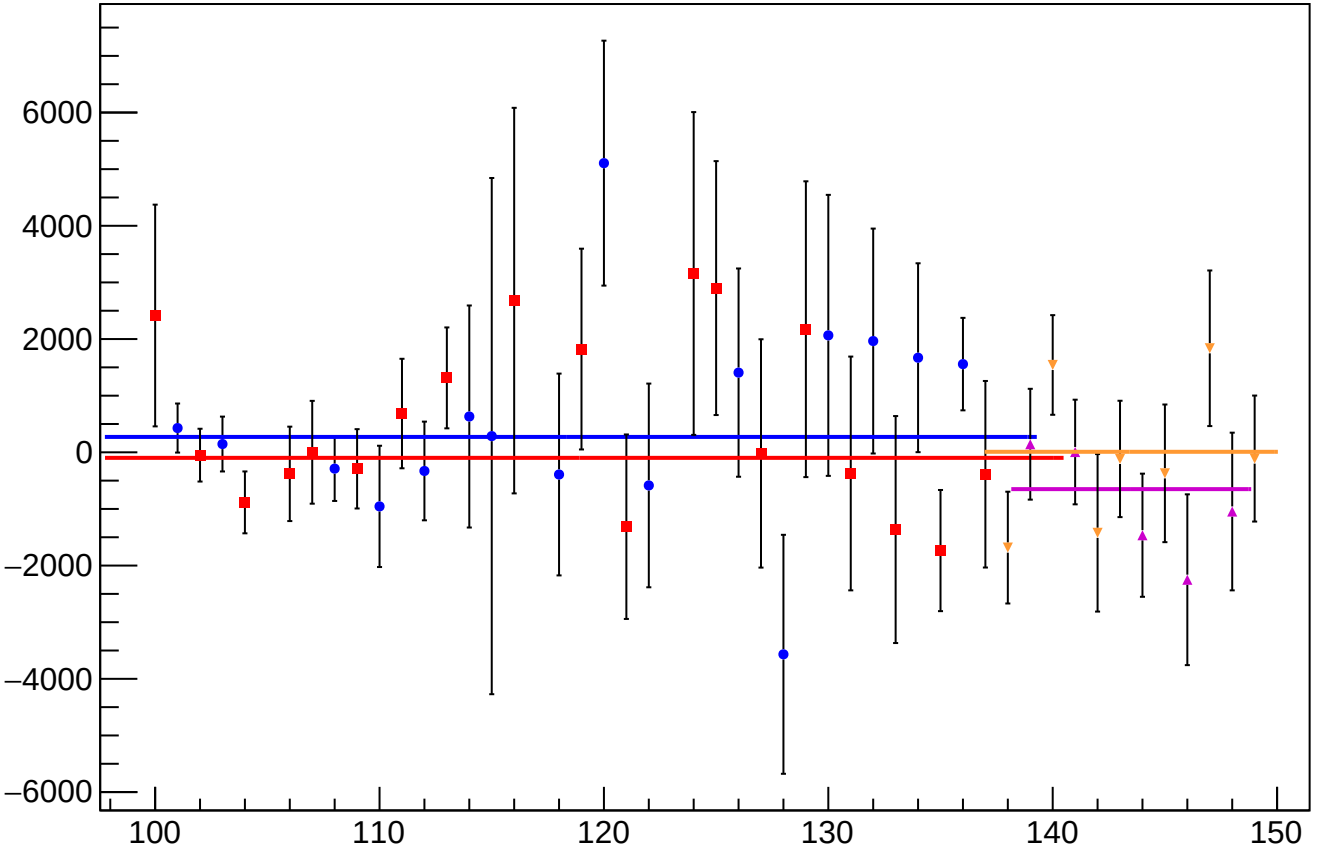
Left In: 149.835+/-0.051 χ^2/NDF:118971.7/4

+ sign 118.476+/-0.024 χ^2/NDF: 1090805.4/22

All: 116.179+/-0.017 χ^2/NDF: 2491477.1/46

- sign 113.876+/-0.024 χ^2/NDF: 1382641.5/23

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 8.960+/-415.299 χ^2/NDF:8.9/6

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

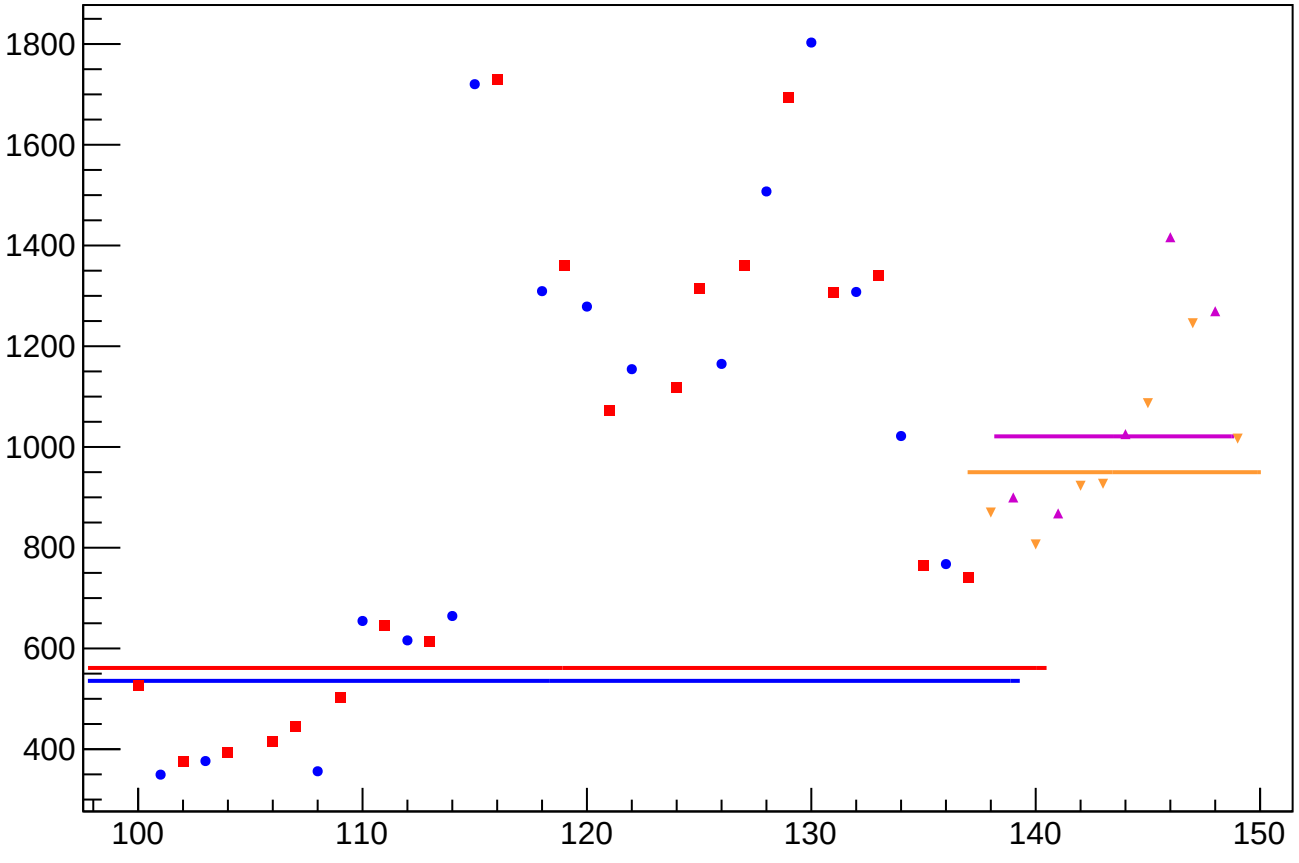
Left In: -650.149+/-498.917 χ^2/NDF:2.9/4

+ sign 209.718+/-201.643 χ^2/NDF: 25.7/22

All: 15.728+/-145.762 χ^2/NDF: 47.7/46

- 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: 949.914+/-0.294 χ^2/NDF:193290.7/6

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

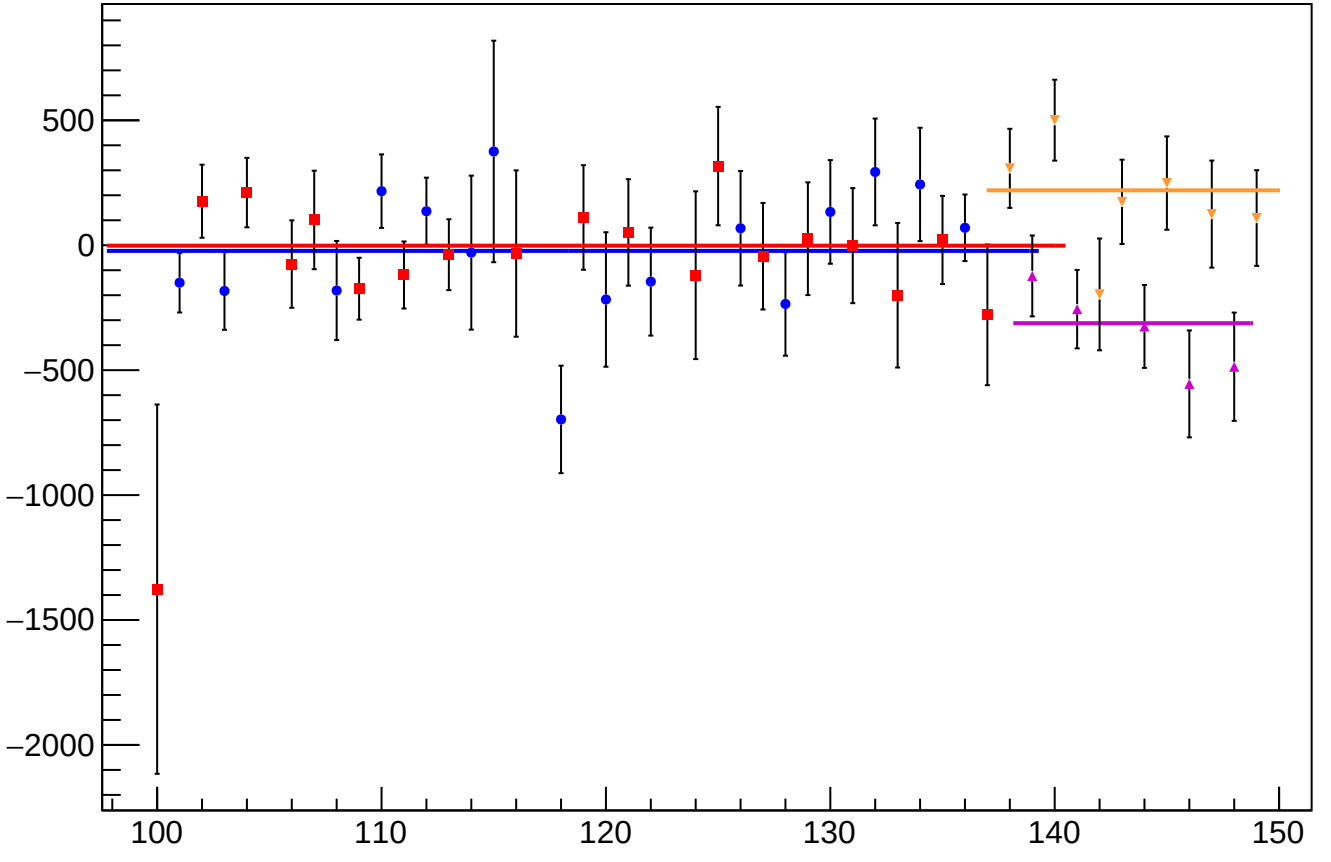
Left In: 1021.083+/-0.353 χ^2/NDF:286733.9/4

+ sign 633.320+/-0.143 χ^2/NDF: 5346701.6/22

All: 638.167+/-0.103 χ^2/NDF: 10161702.7/46

- 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: 219.830+/-68.860 χ^2/NDF:7.4/6

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

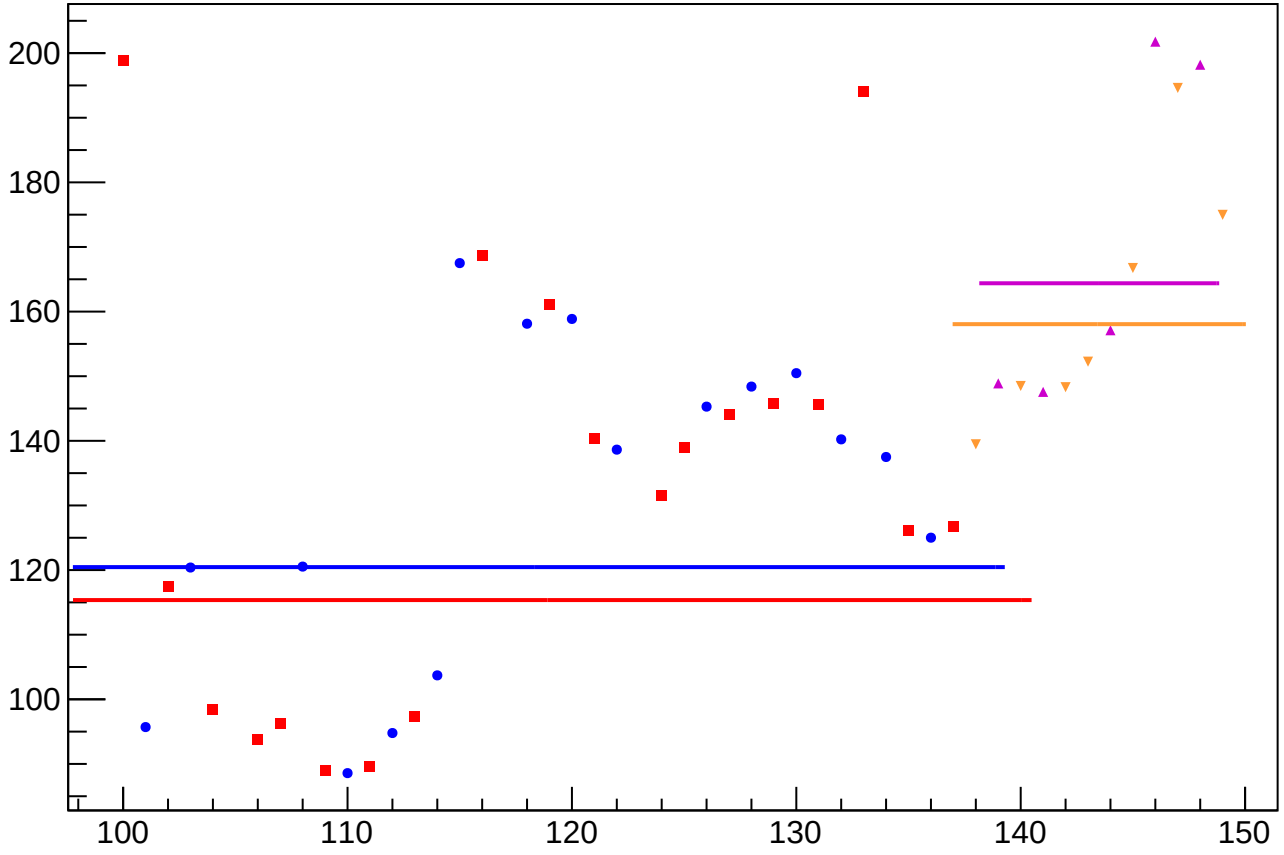
Left In: -311.911+/-79.516 χ^2/NDF:3.4/4

+ sign 51.943+/-38.198 χ^2/NDF: 40.2/22

All: -10.634+/-27.013 χ^2/NDF: 75.0/46

- 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: 158.056+/-0.049 χ^2/NDF:118931.6/6

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

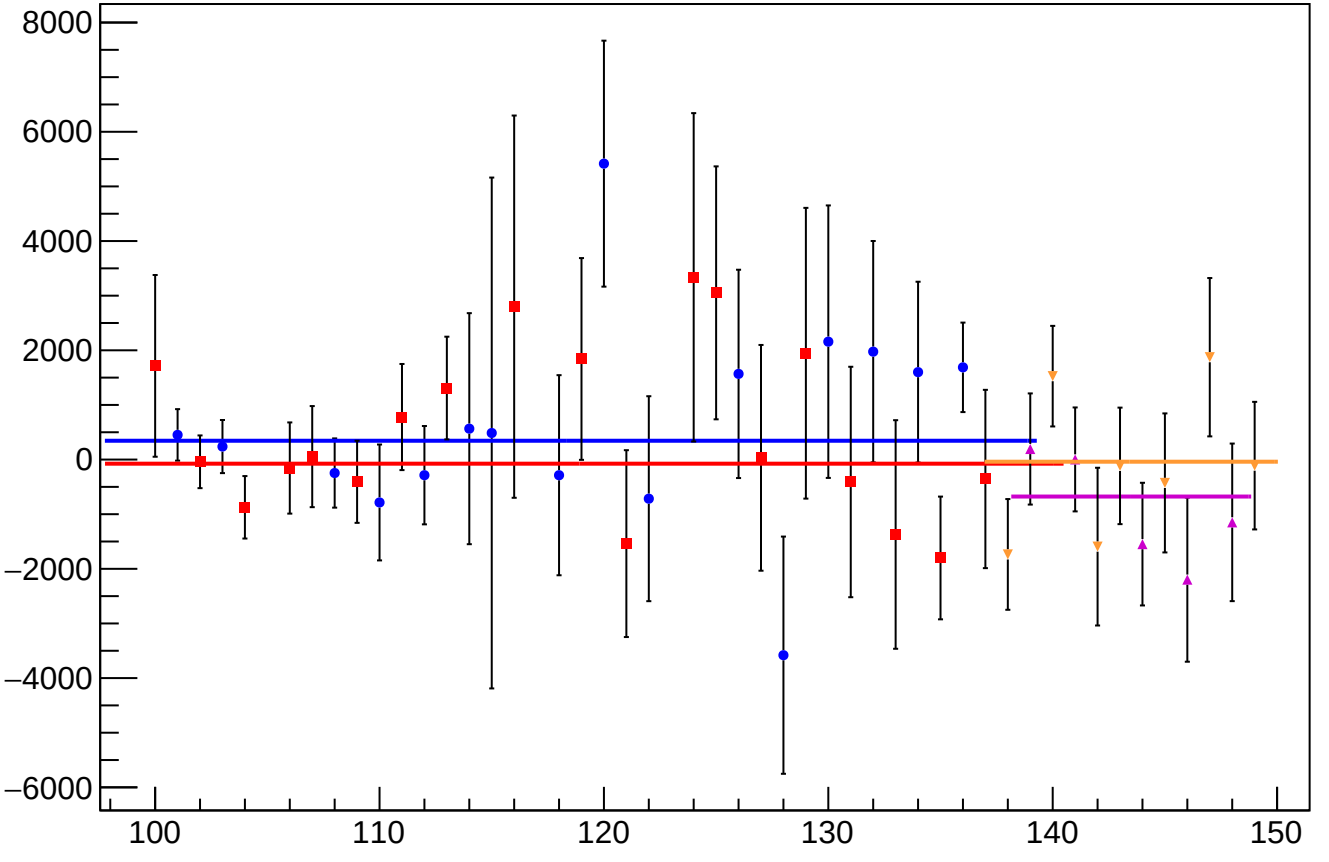
Left In: 164.384+/-0.056 χ^2/NDF:154829.2/4

+ sign 132.027+/-0.027 χ^2/NDF: 1062028.1/22

All: 129.352+/-0.019 χ^2/NDF: 2588505.1/46

- 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: -39.181+/-432.750 χ^2/NDF:8.7/6

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

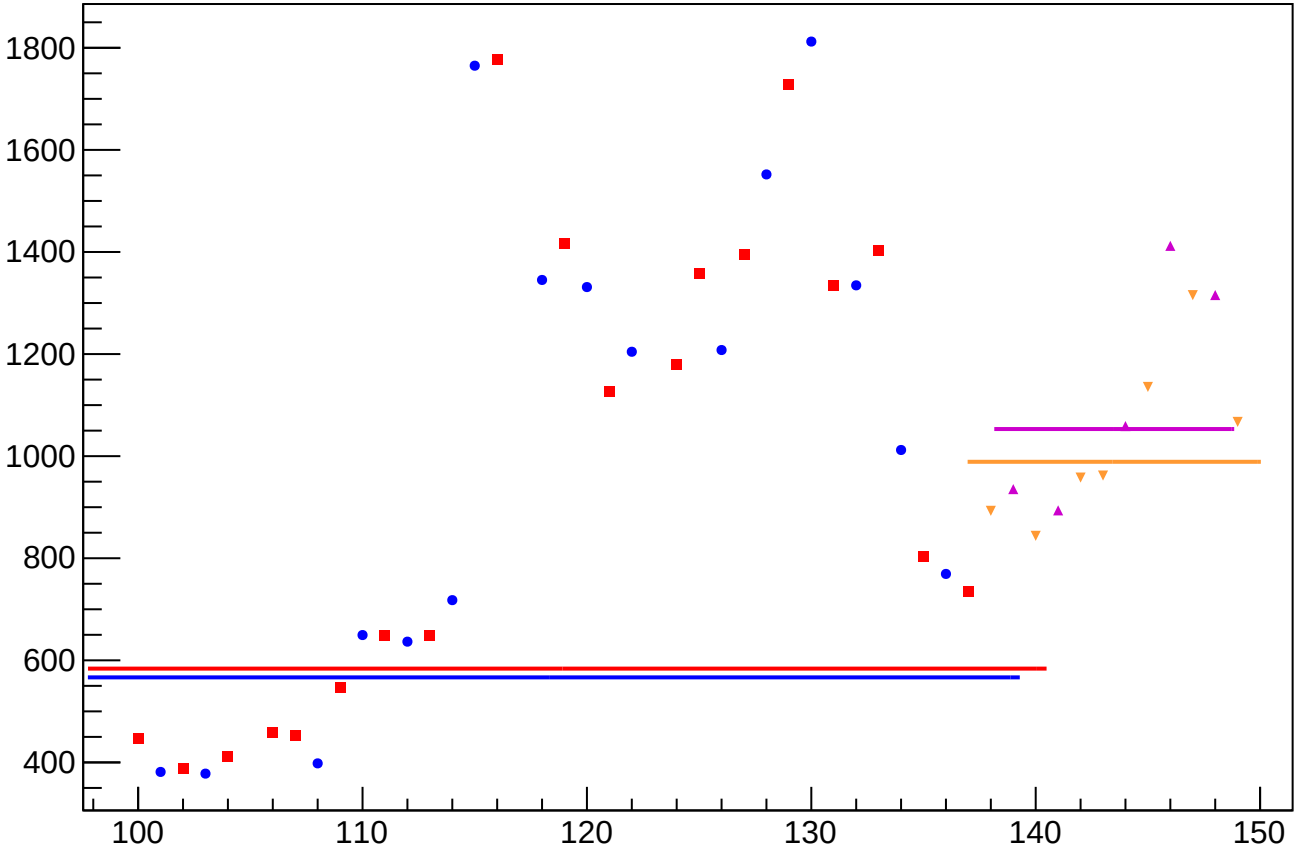
Left In: -676.841+/-513.800 χ^2/NDF:3.0/4

+ sign 253.320+/-210.906 χ^2/NDF: 25.5/22

All: 41.934+/-151.513 χ^2/NDF: 47.0/46

- 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: 988.970+/-0.306 χ^2/NDF:206810.3/6

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

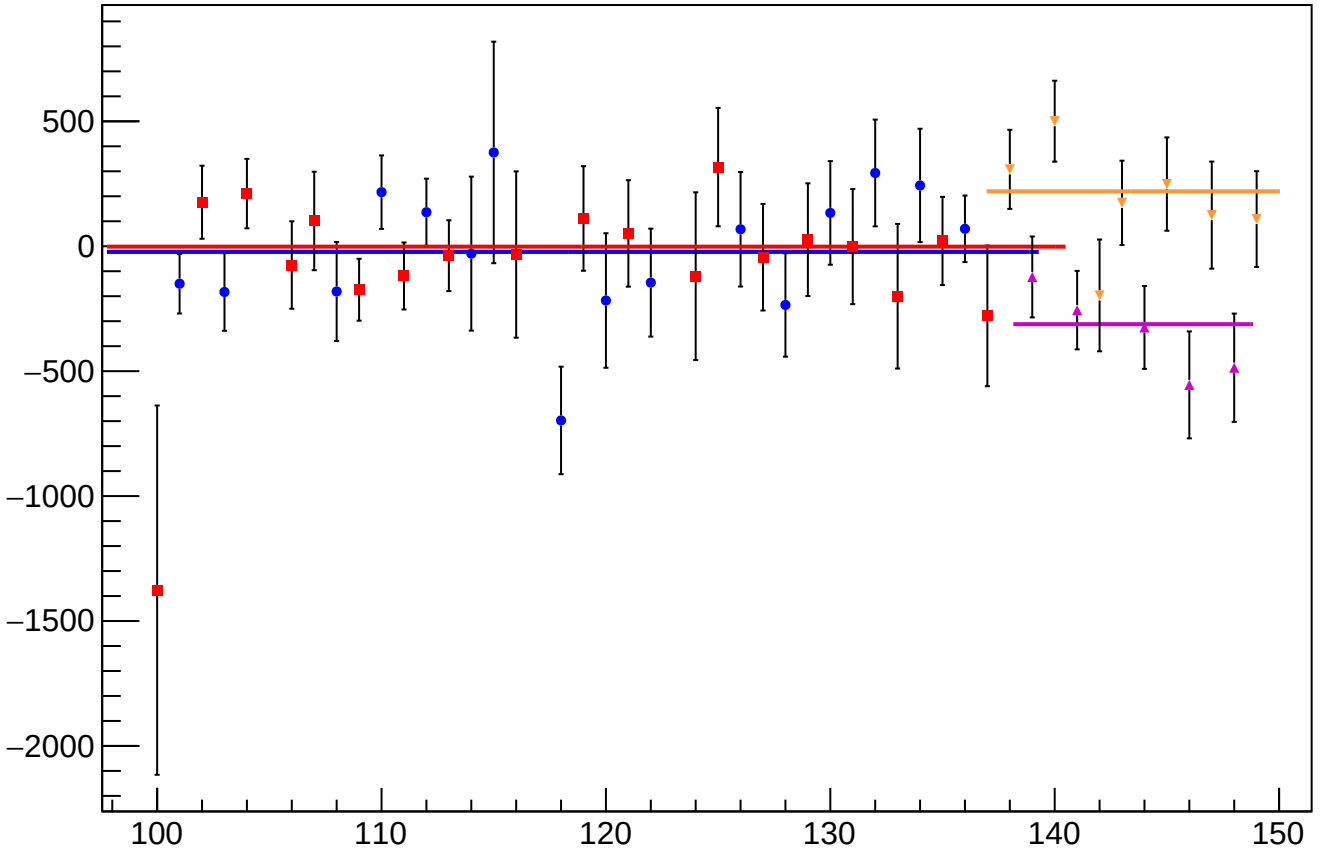
Left In: 1053.143+/-0.363 χ^2/NDF:263238.5/4

+ sign 666.924+/-0.149 χ^2/NDF: 5091904.9/22

All: 667.510+/-0.107 χ^2/NDF: 9831701.4/46

- 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: 219.834+/-68.860 χ^2/NDF:7.4/6

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

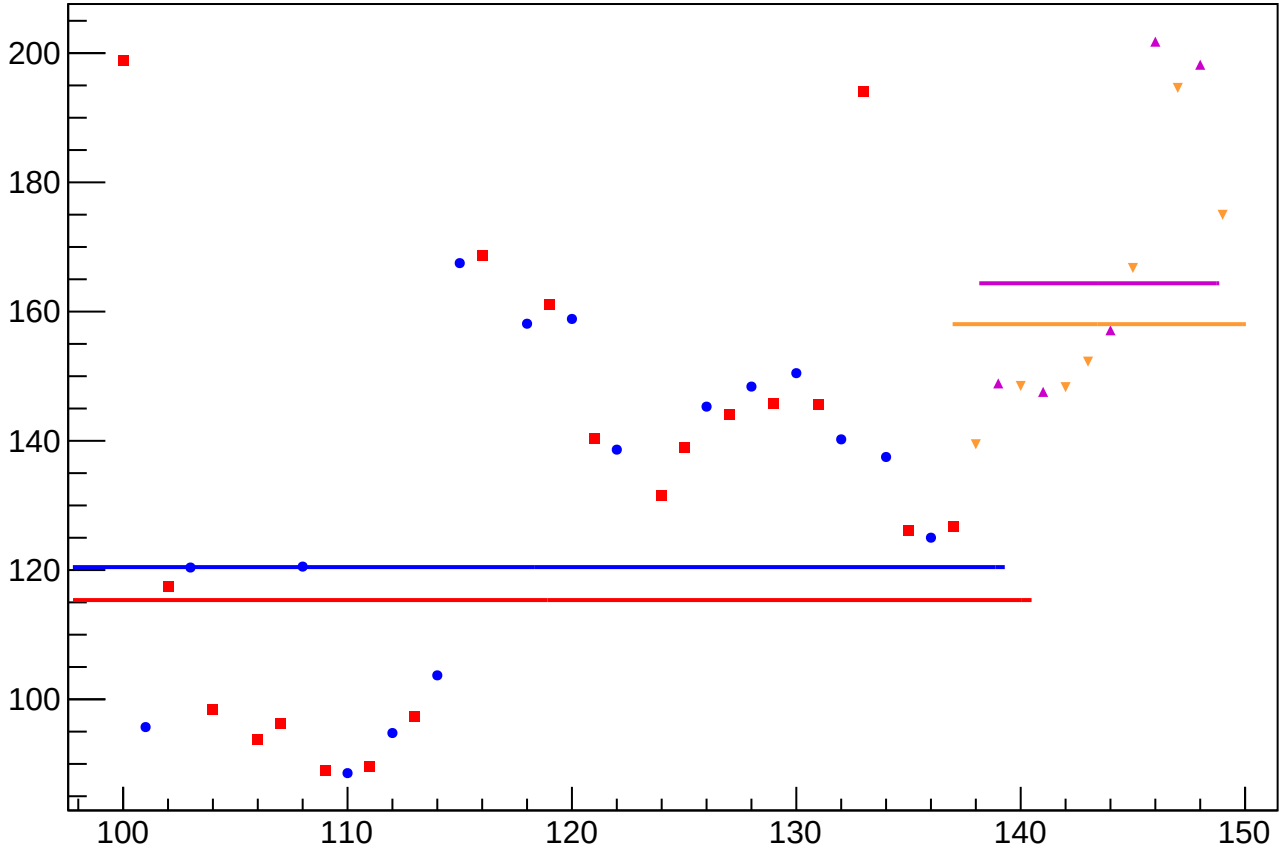
Left In: -311.910+/-79.516 χ^2/NDF:3.4/4

+ sign 51.943+/-38.198 χ^2/NDF: 40.2/22

All: -10.634+/-27.012 χ^2/NDF: 75.0/46

- 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: 158.056+/-0.049 χ^2/NDF:118930.4/6

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

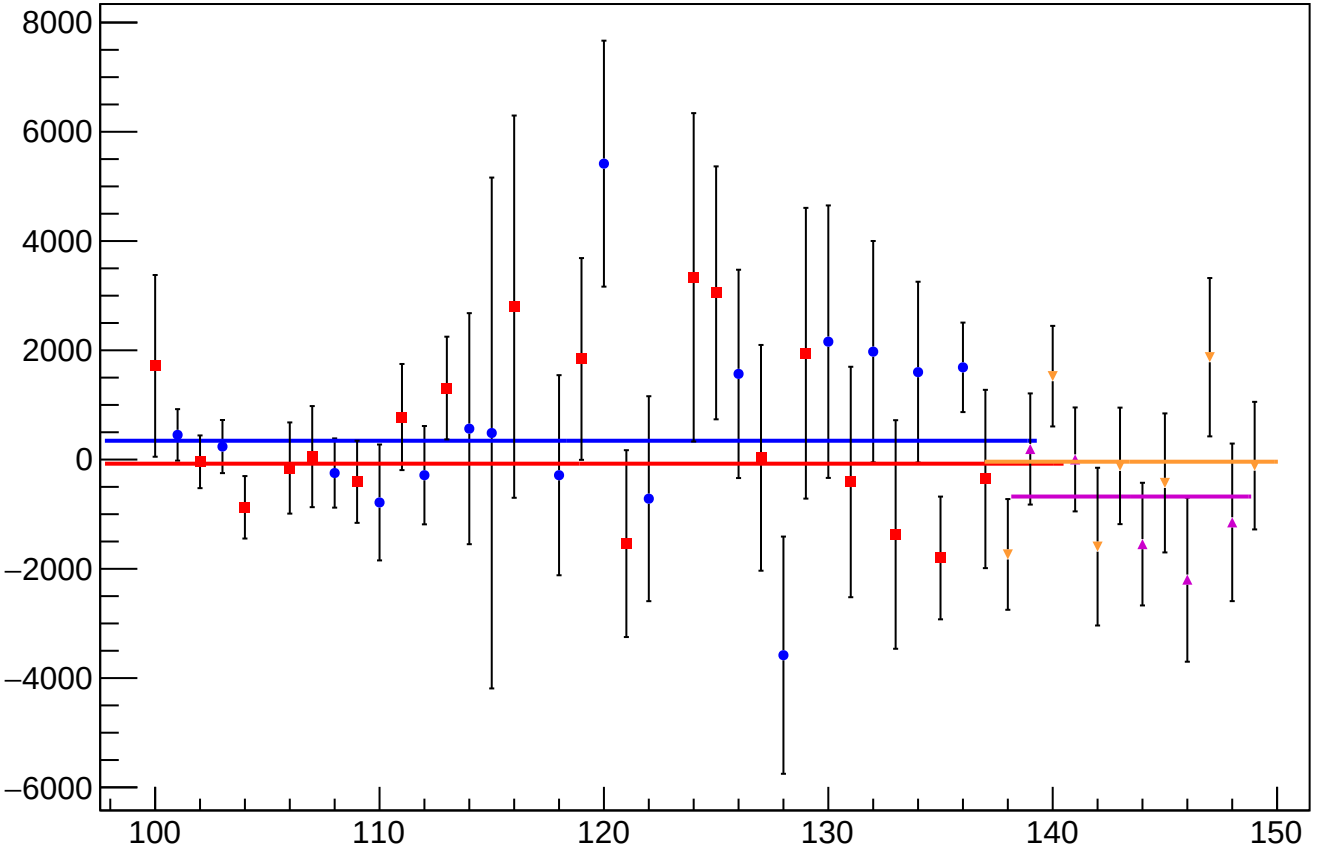
Left In: 164.383+/-0.056 χ^2/NDF:154829.5/4

+ sign 132.027+/-0.027 χ^2/NDF: 1062032.0/22

All: 129.351+/-0.019 χ^2/NDF: 2588509.0/46

- 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: -39.176+/-432.750 χ^2/NDF:8.7/6

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

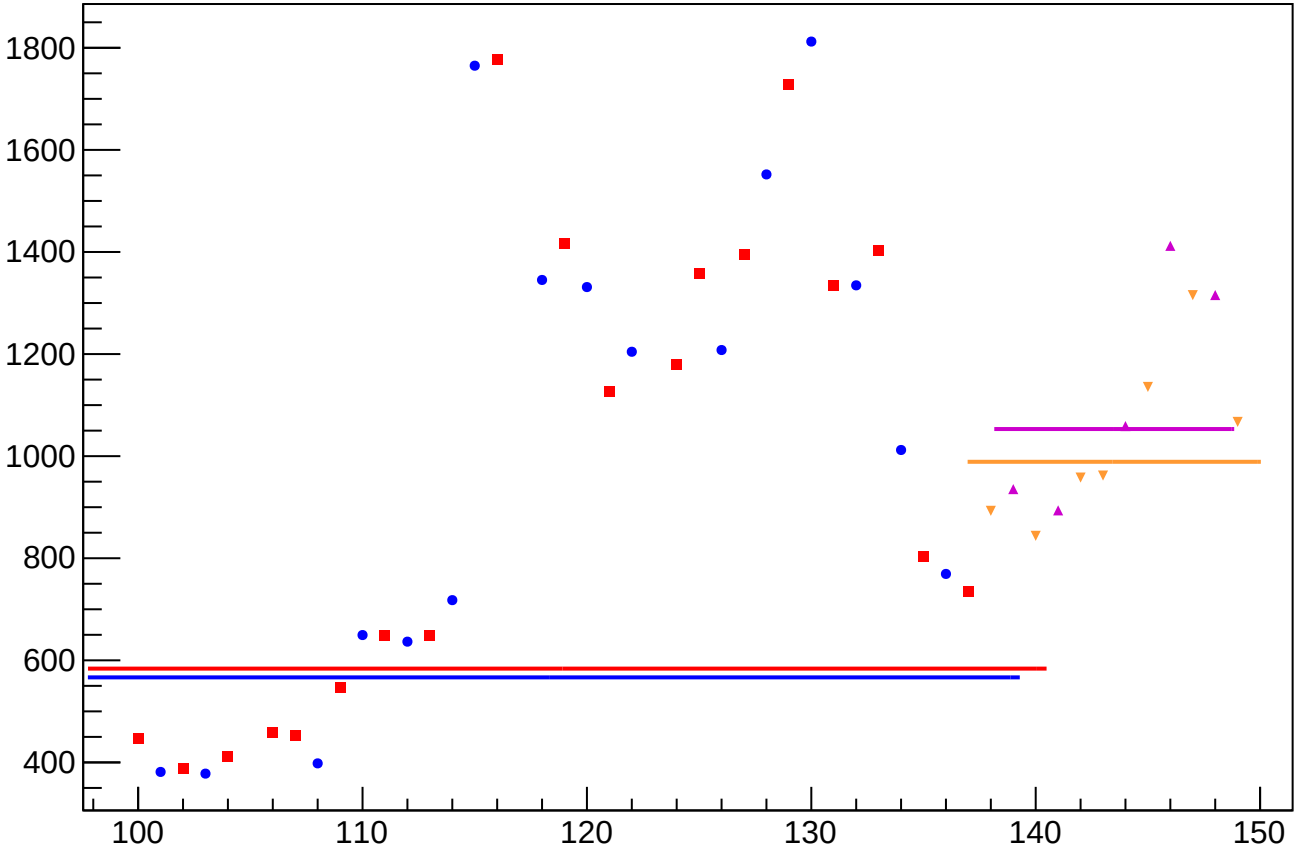
Left In: -676.839+/-513.800 χ^2/NDF:3.0/4

+ sign 253.320+/-210.905 χ^2/NDF: 25.5/22

All: 41.934+/-151.513 χ^2/NDF: 47.0/46

- 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: 988.969+/-0.306 χ^2/NDF:206810.4/6

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

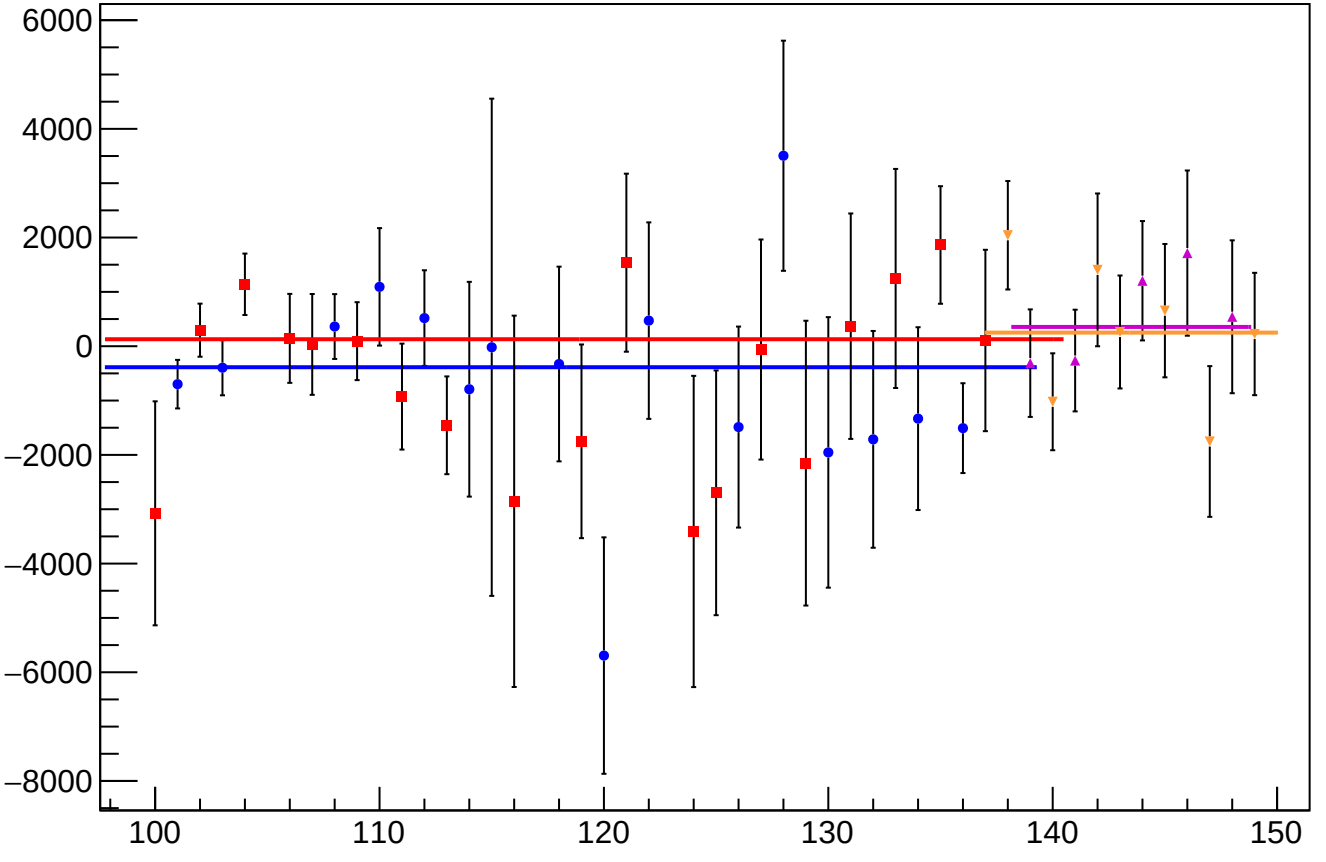
Left In: 1053.142+/-0.363 χ^2/NDF:263239.1/4

+ sign 666.923+/-0.149 χ^2/NDF: 5091910.3/22

All: 667.509+/-0.107 χ^2/NDF: 9831707.4/46

- 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: 250.527+/-420.086 χ^2/NDF:8.1/6

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

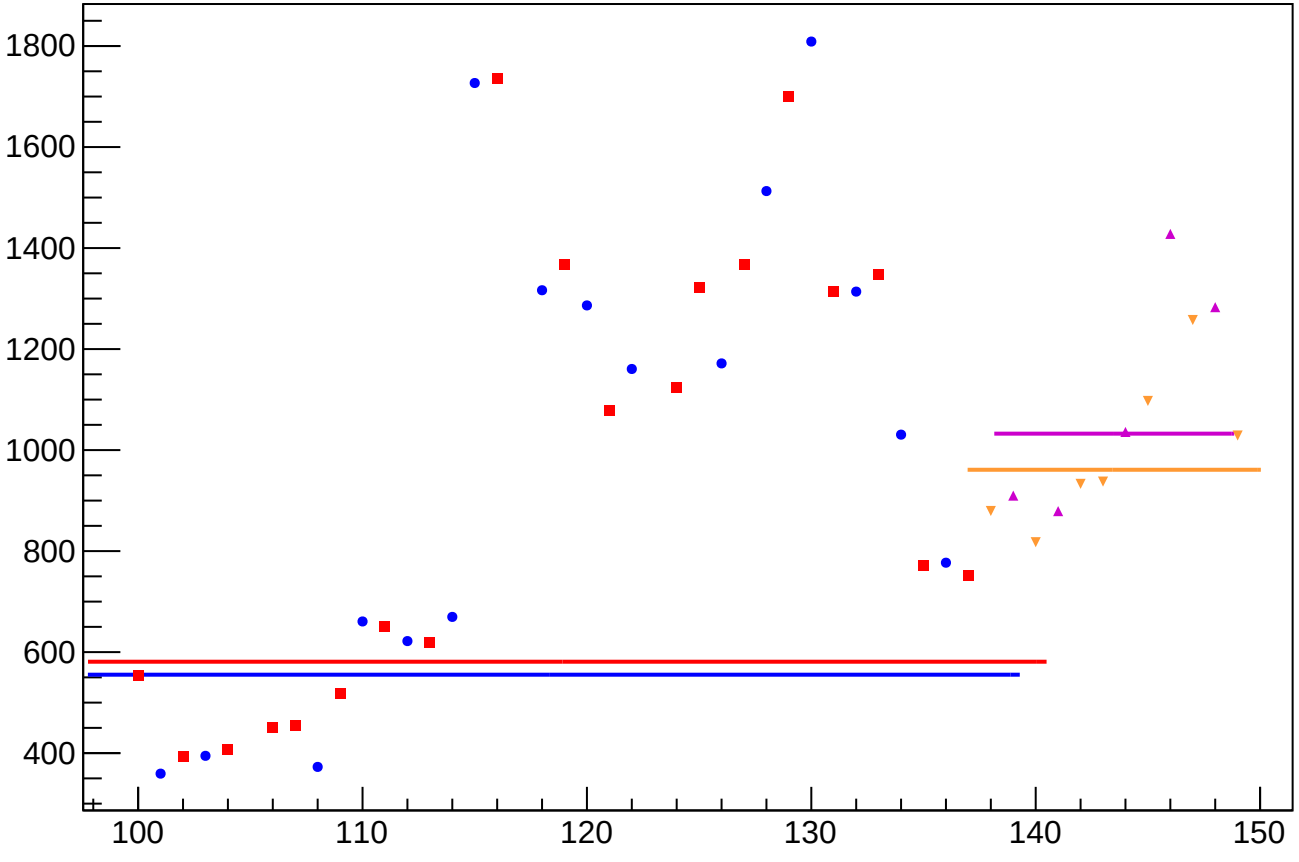
Left In: 354.916+/-504.356 χ^2/NDF:2.3/4

+ sign -232.196+/-206.762 χ^2/NDF: 27.8/22

All: -39.401+/-149.169 χ^2/NDF: 51.5/46

- 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: 961.056+/-0.297 χ^2/NDF:190275.4/6

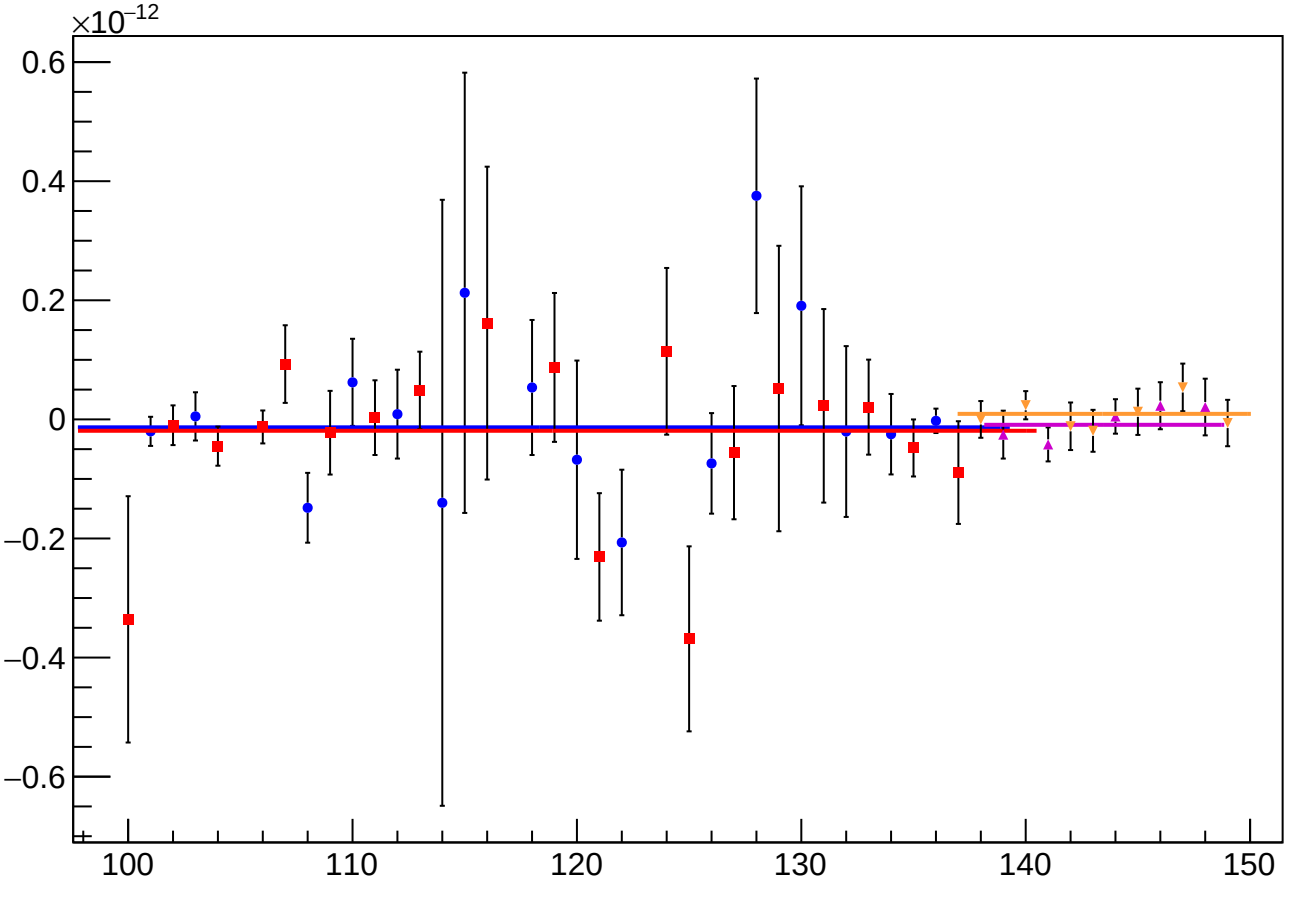
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1032.551+/-0.357 χ^2/NDF:283332.3/4

+ sign 653.589+/-0.146 χ^2/NDF: 5086727.0/22

All: 658.279+/-0.105 χ^2/NDF: 9666471.9/46

- 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:2.8/6

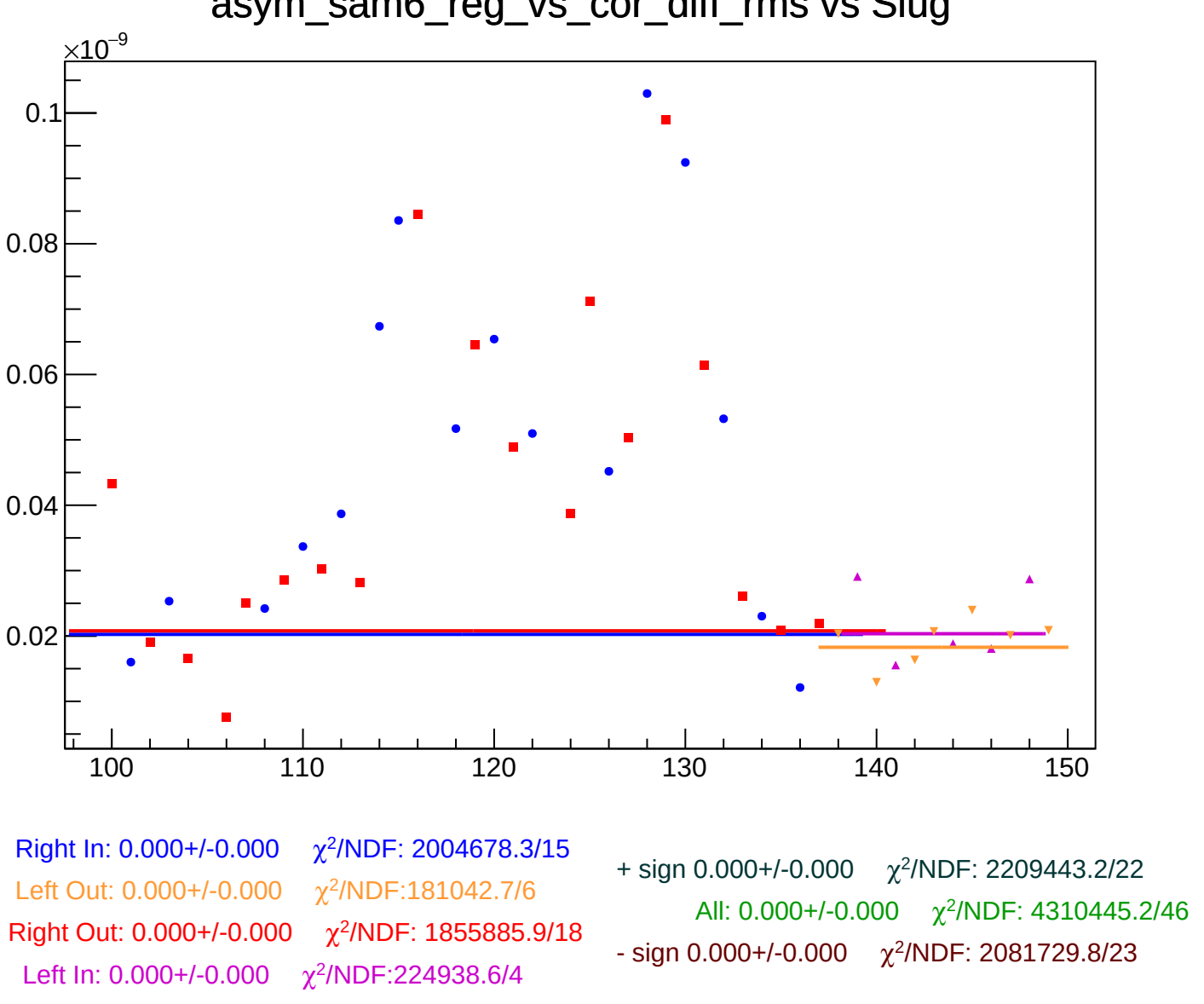
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/4

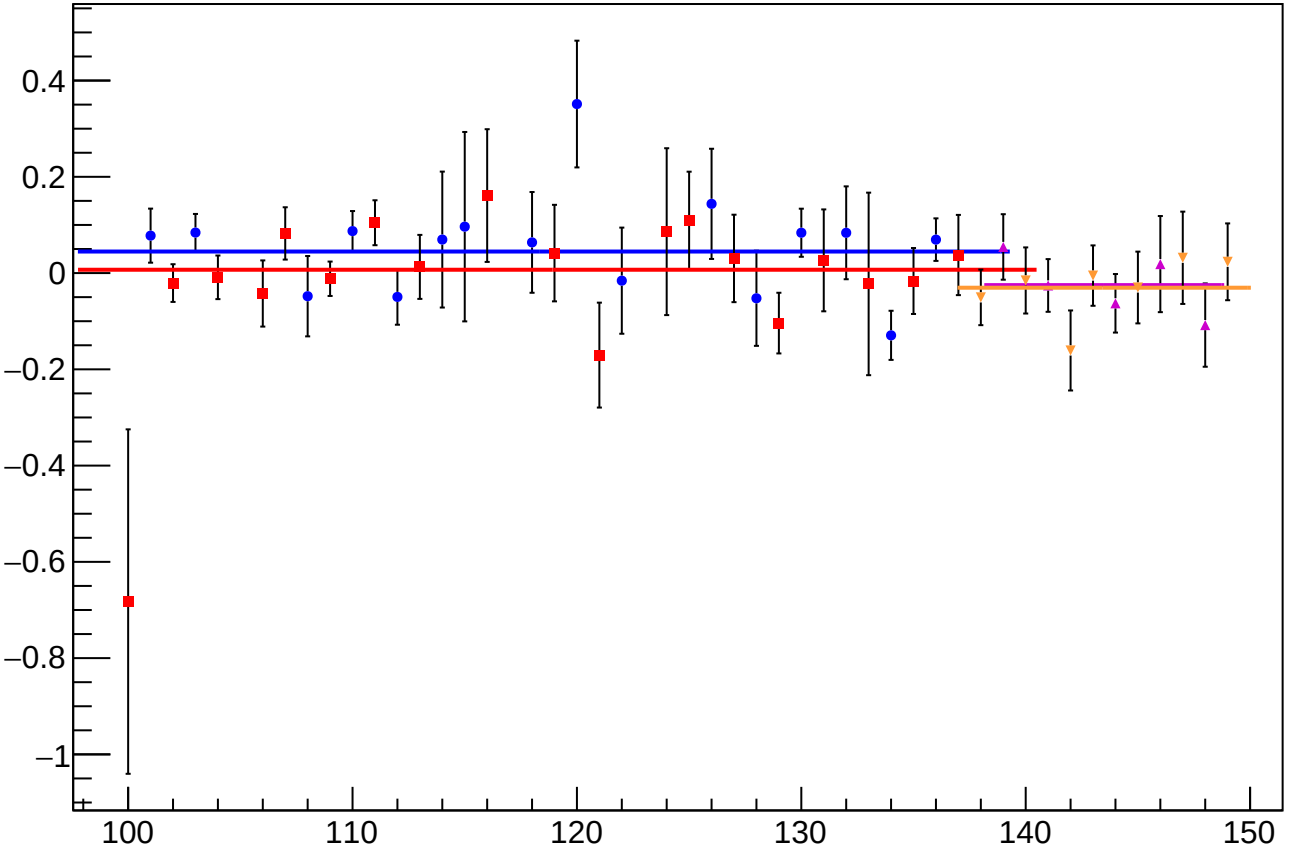
+ sign -0.000+/-0.000 χ^2/NDF: 20.3/22

All: -0.000+/-0.000 χ^2/NDF: 44.0/46

- 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:181042.7/6
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: 2209443.2/22
All: 0.000+/-0.000 χ²/NDF: 4310445.2/46
- 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: -0.030+/-0.027 χ^2/NDF:3.7/6

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

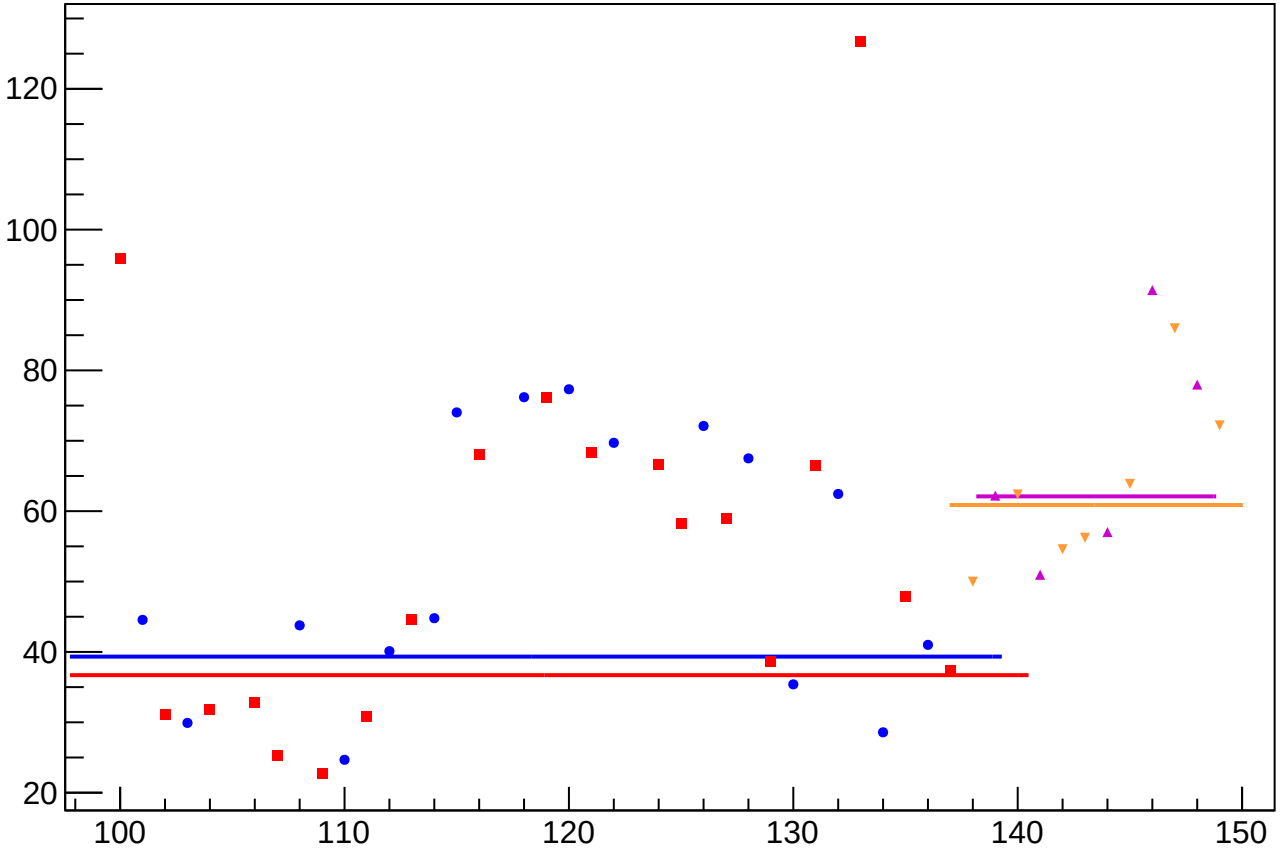
Left In: -0.025+/-0.031 χ^2/NDF:2.9/4

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/22

All: 0.013+/-0.010 χ^2/NDF: 61.5/46

- sign 0.001+/-0.014 χ^2/NDF: 23.9/23

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 60.872+/-0.019 χ^2/NDF:275232.4/6

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

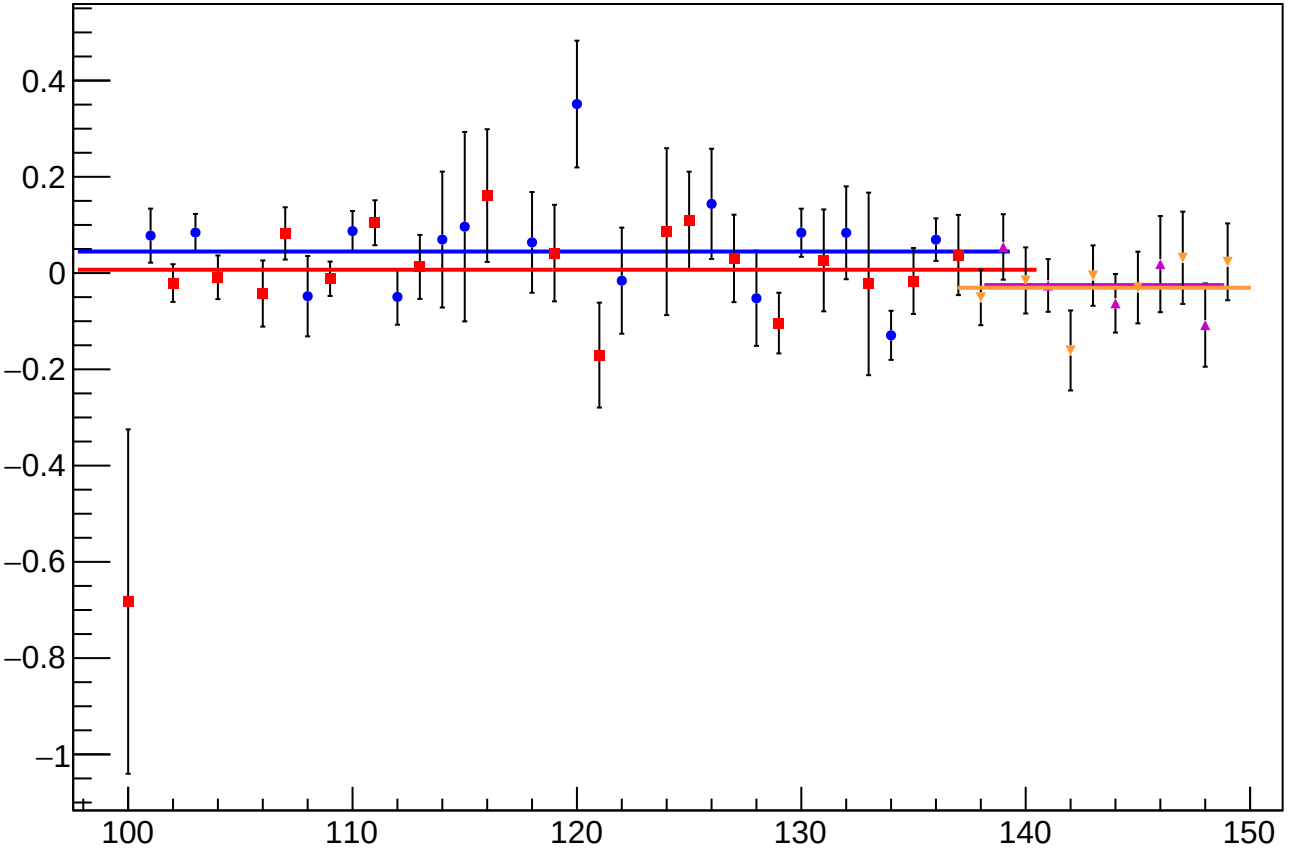
Left In: 62.100+/-0.022 χ^2/NDF:336366.1/4

+ sign 44.898+/-0.010 χ^2/NDF: 2775357.9/22

All: 43.235+/-0.007 χ^2/NDF: 6361720.3/46

- sign 41.626+/-0.010 χ^2/NDF: 3529181.2/23

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.030+/-0.027 χ^2/NDF:3.7/6

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

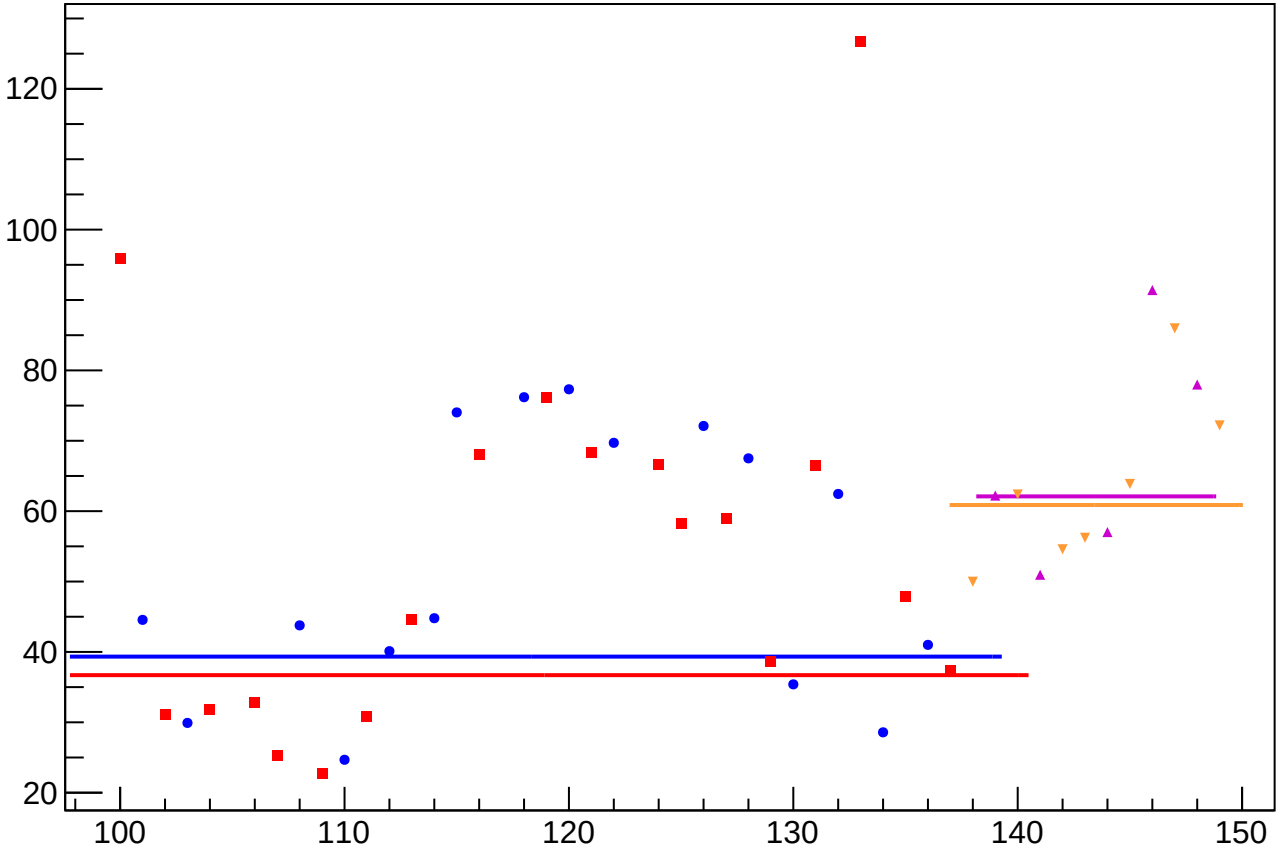
Left In: -0.025+/-0.031 χ^2/NDF:2.9/4

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/22

All: 0.013+/-0.010 χ^2/NDF: 61.5/46

- 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: 60.872+/-0.019 χ^2/NDF:275232.4/6

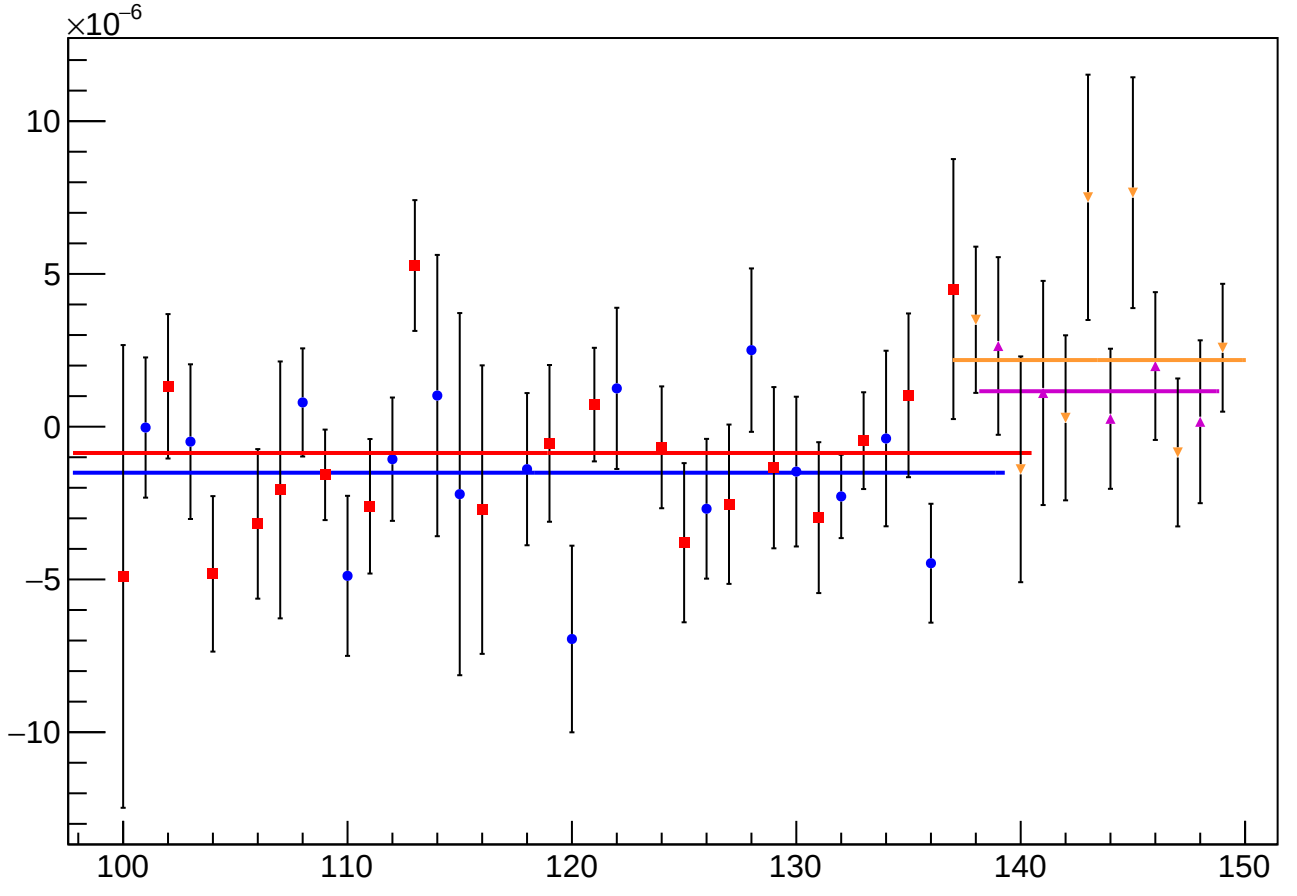
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 62.100+/-0.022 χ^2/NDF:336366.1/4

+ sign 44.898+/-0.010 χ^2/NDF: 2775357.9/22

All: 43.235+/-0.007 χ^2/NDF: 6361720.3/46

- sign 41.626+/-0.010 χ^2/NDF: 3529181.2/23



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/6

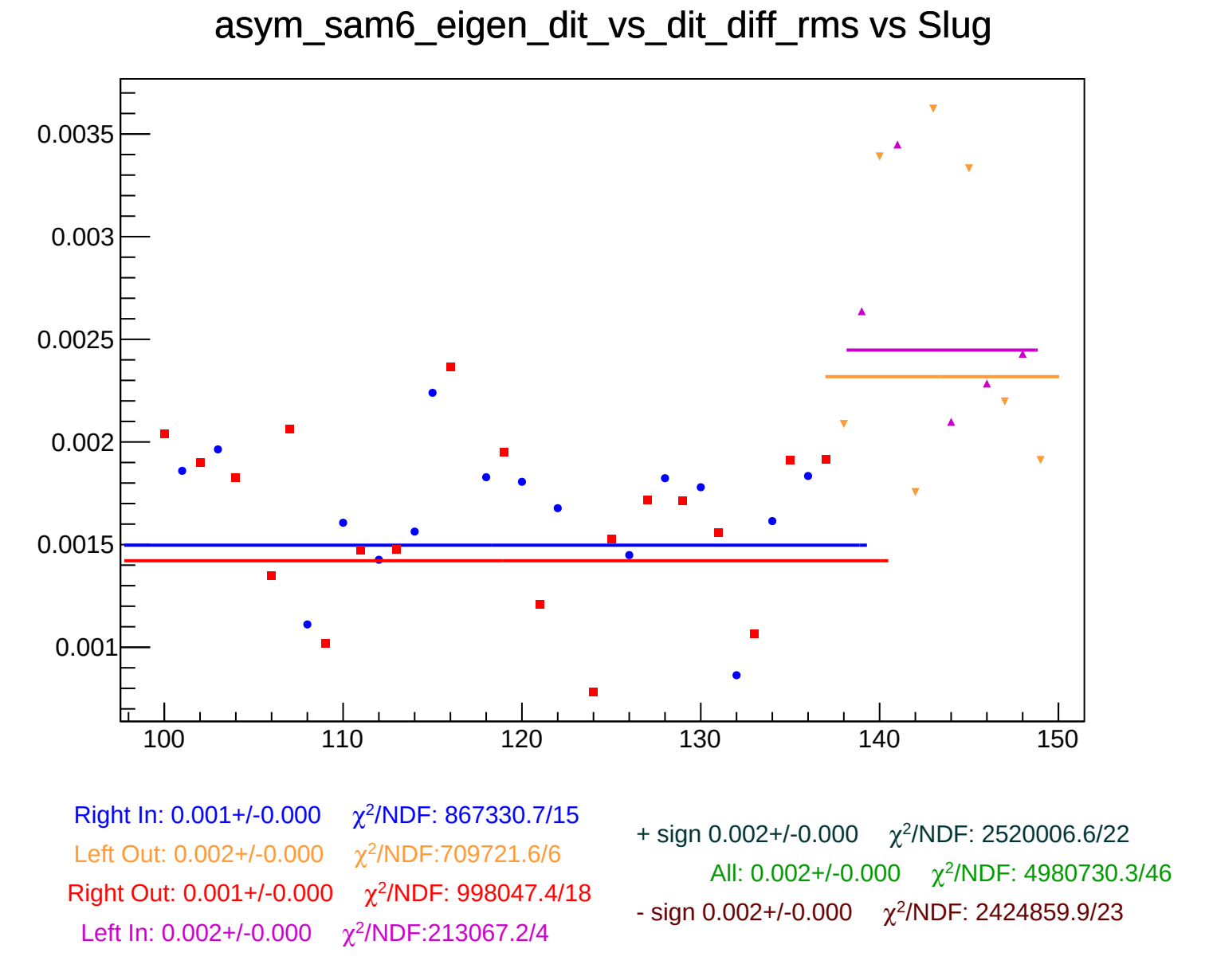
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/4

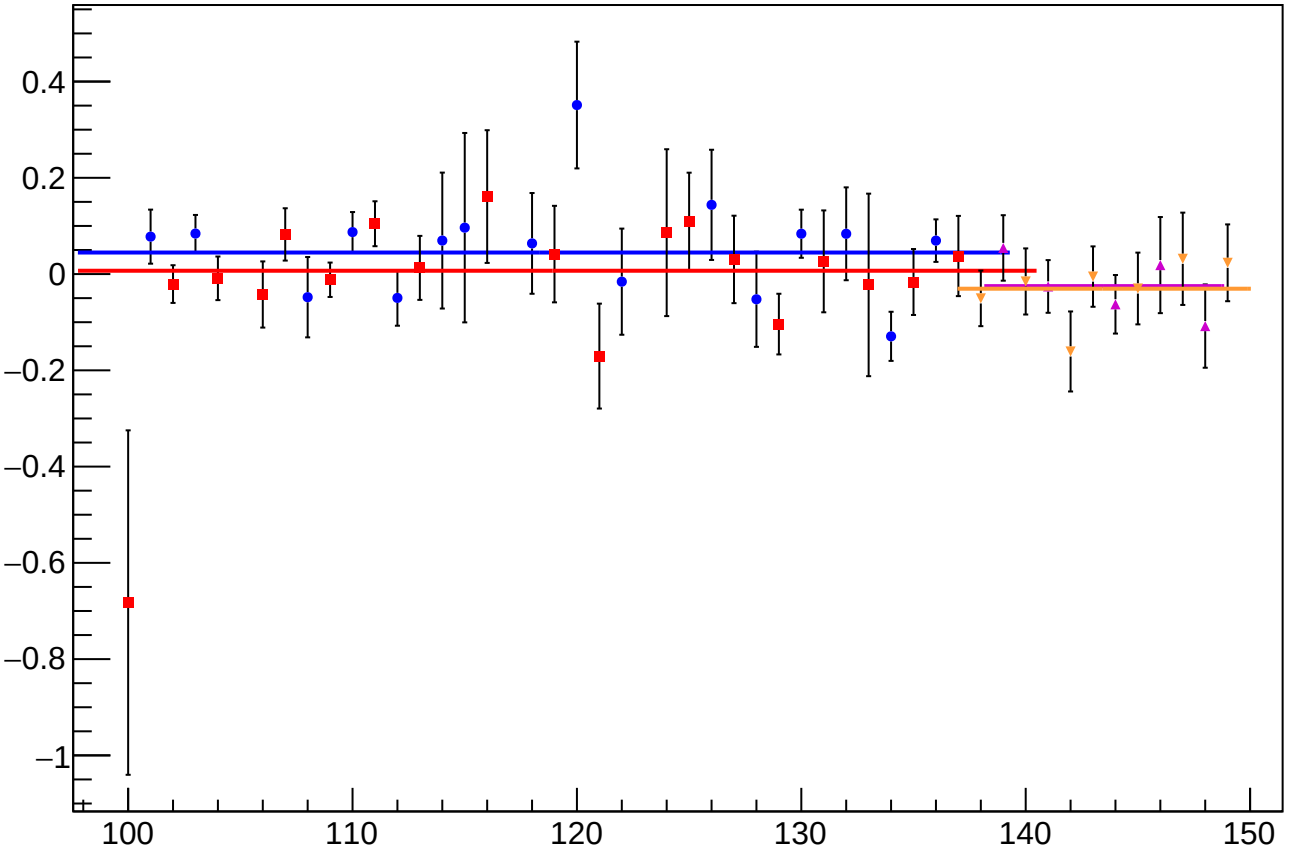
+ sign -0.000+/-0.000 χ^2/NDF: 30.6/22

All: -0.000+/-0.000 χ^2/NDF: 52.8/46

- sign -0.000+/-0.000 χ^2/NDF: 22.1/23


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.002+/-0.000 χ²/NDF:709721.6/6
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.002+/-0.000 χ²/NDF:213067.2/4
+ sign 0.002+/-0.000 χ²/NDF: 2520006.6/22
All: 0.002+/-0.000 χ²/NDF: 4980730.3/46
- sign 0.002+/-0.000 χ²/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: -0.030+/-0.027 χ^2/NDF:3.7/6

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

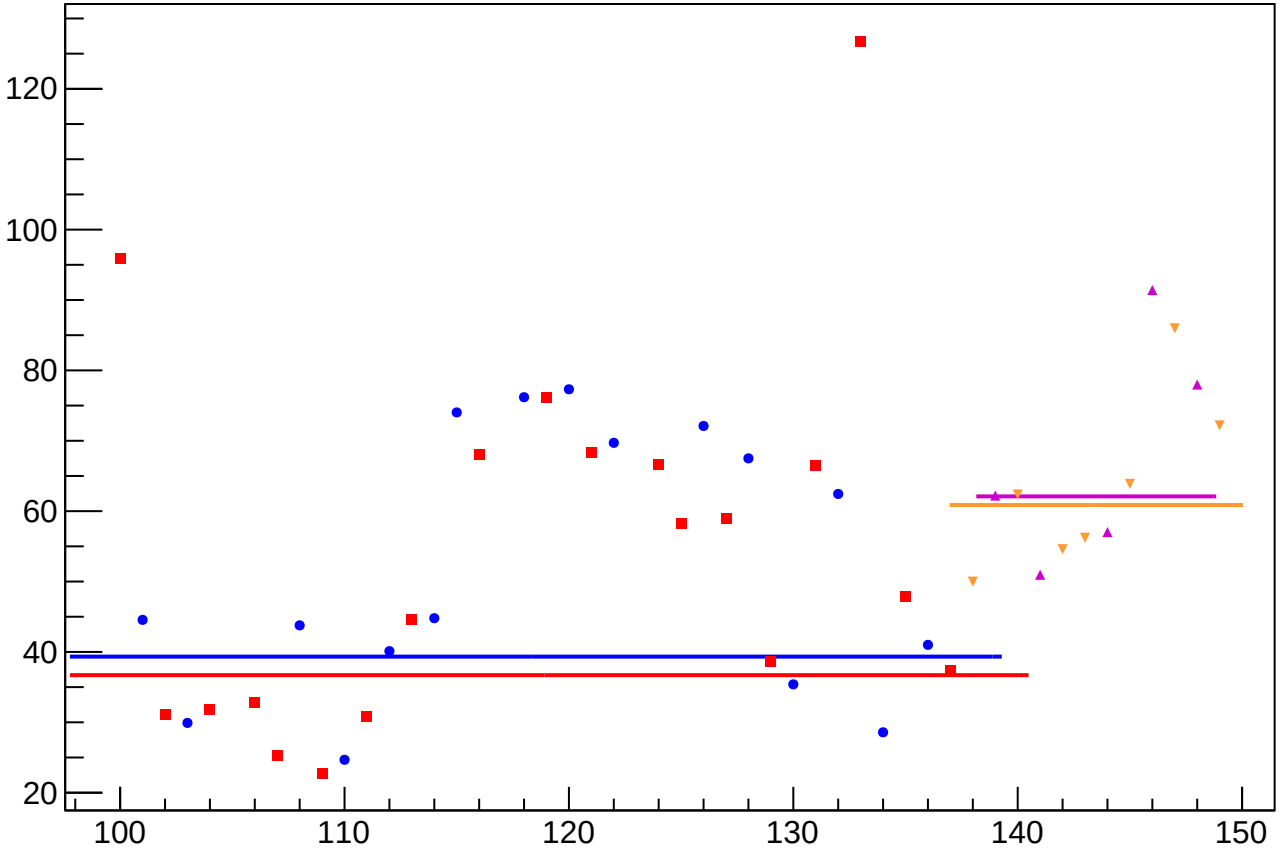
Left In: -0.025+/-0.031 χ^2/NDF:2.9/4

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/22

All: 0.013+/-0.010 χ^2/NDF: 61.5/46

- 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: 60.871+/-0.019 χ^2/NDF:275222.7/6

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

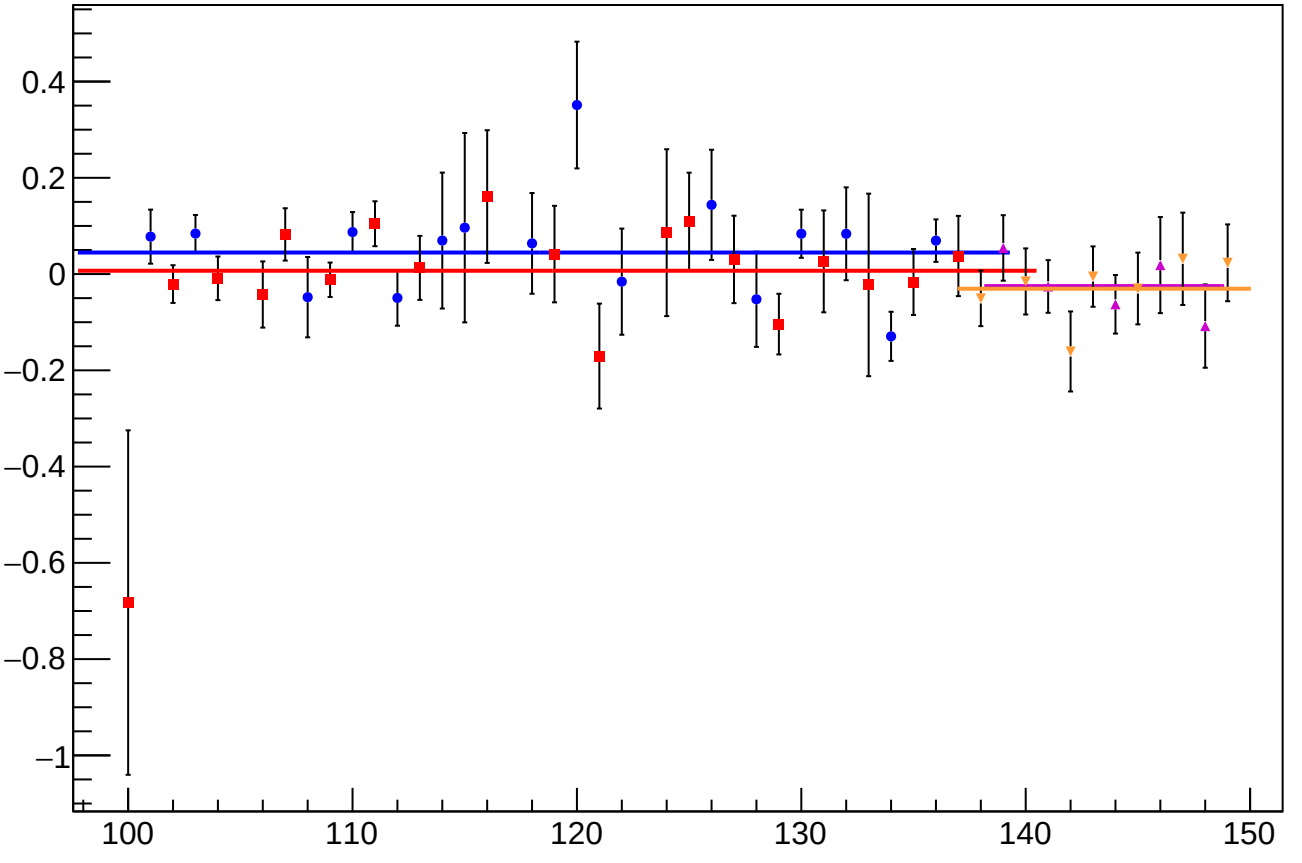
Left In: 62.099+/-0.022 χ^2/NDF:336376.6/4

+ sign 44.898+/-0.010 χ^2/NDF: 2775379.7/22

All: 43.234+/-0.007 χ^2/NDF: 6361721.4/46

- sign 41.626+/-0.010 χ^2/NDF: 3529168.6/23

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.030+/-0.027 χ^2/NDF:3.7/6

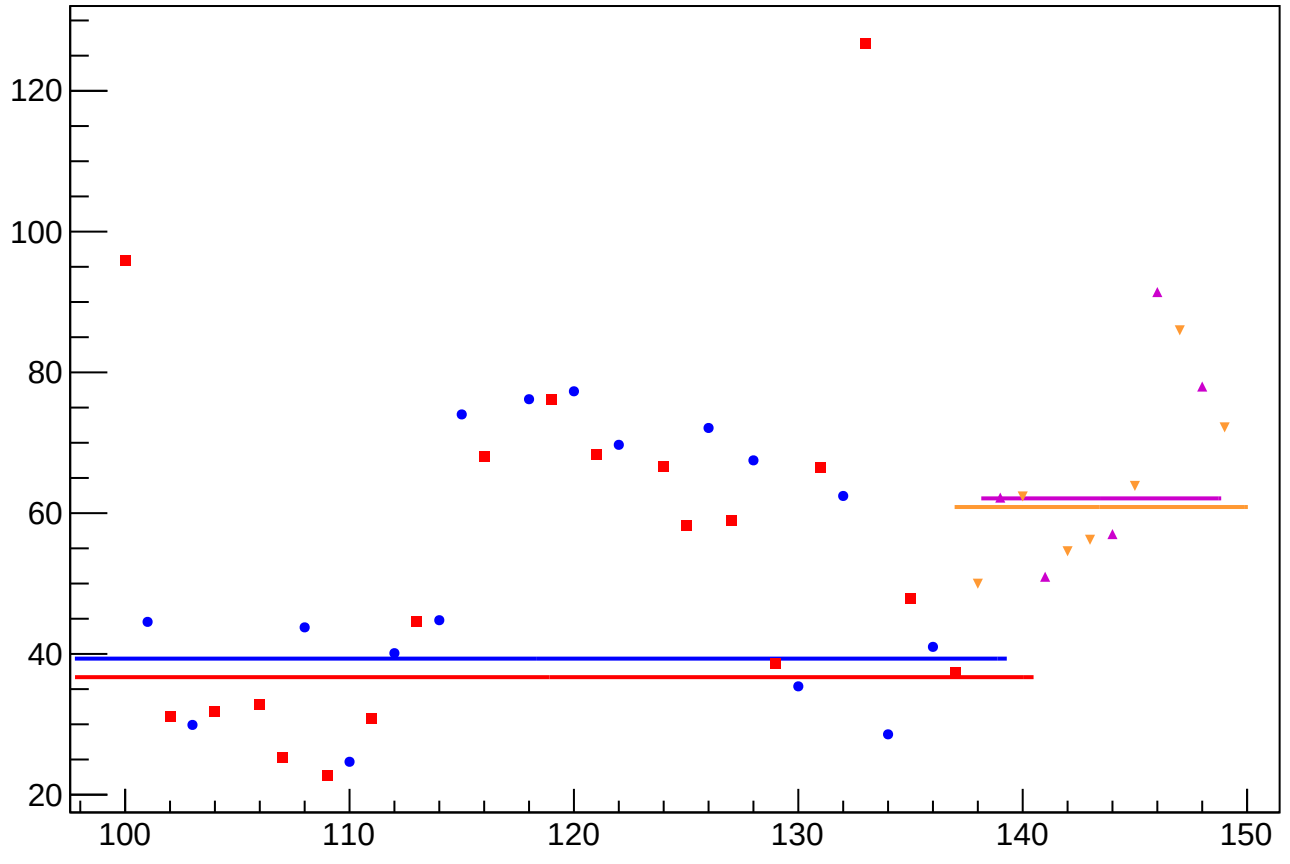
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.025+/-0.031 χ^2/NDF:2.9/4

+ sign 0.025+/-0.014 χ^2/NDF: 36.0/22

All: 0.013+/-0.010 χ^2/NDF: 61.5/46

- 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: 60.871+/-0.019 χ^2/NDF:275222.7/6

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

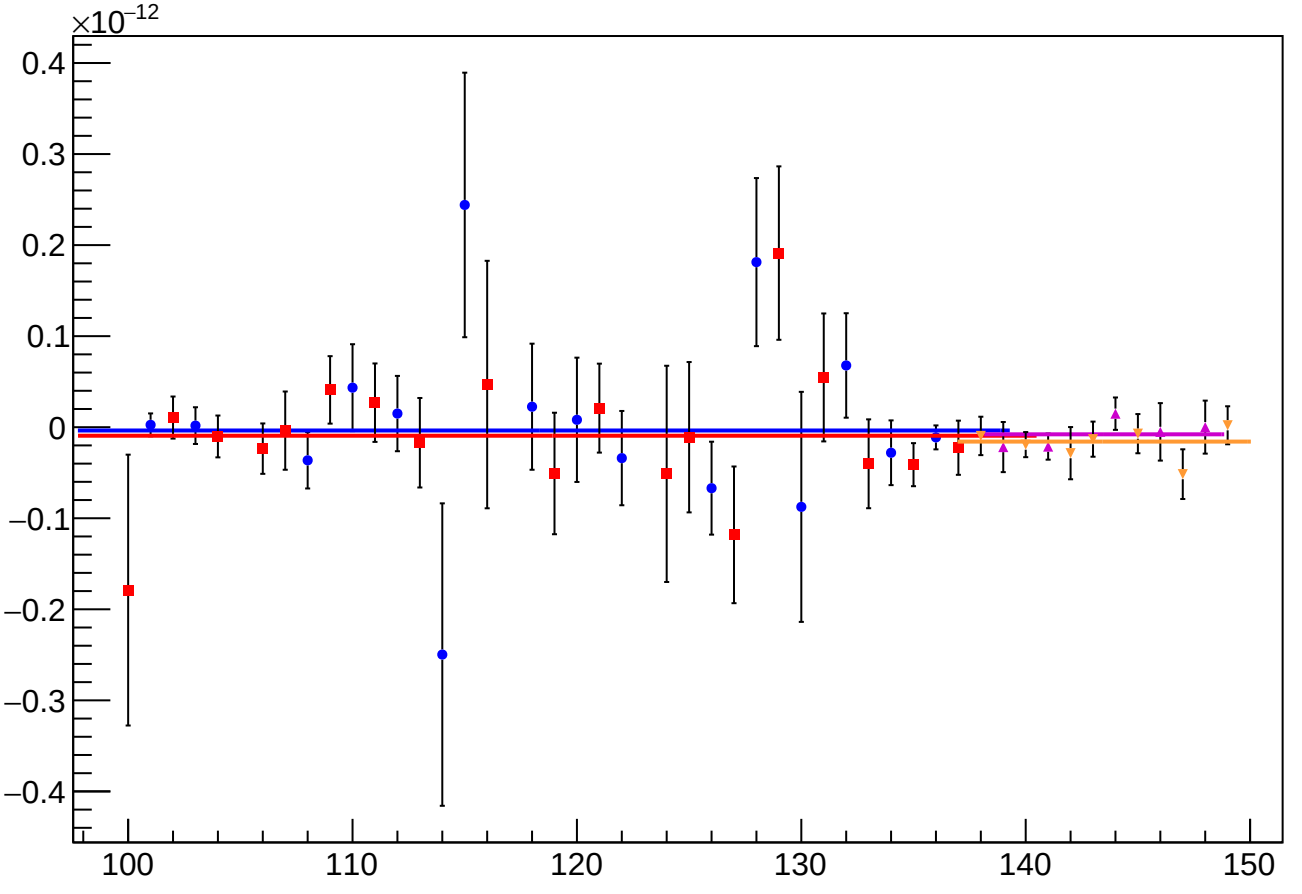
Left In: 62.099+/-0.022 χ^2/NDF:336376.6/4

+ sign 44.898+/-0.010 χ^2/NDF: 2775379.7/22

All: 43.234+/-0.007 χ^2/NDF: 6361721.4/46

- sign 41.626+/-0.010 χ^2/NDF: 3529168.6/23

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

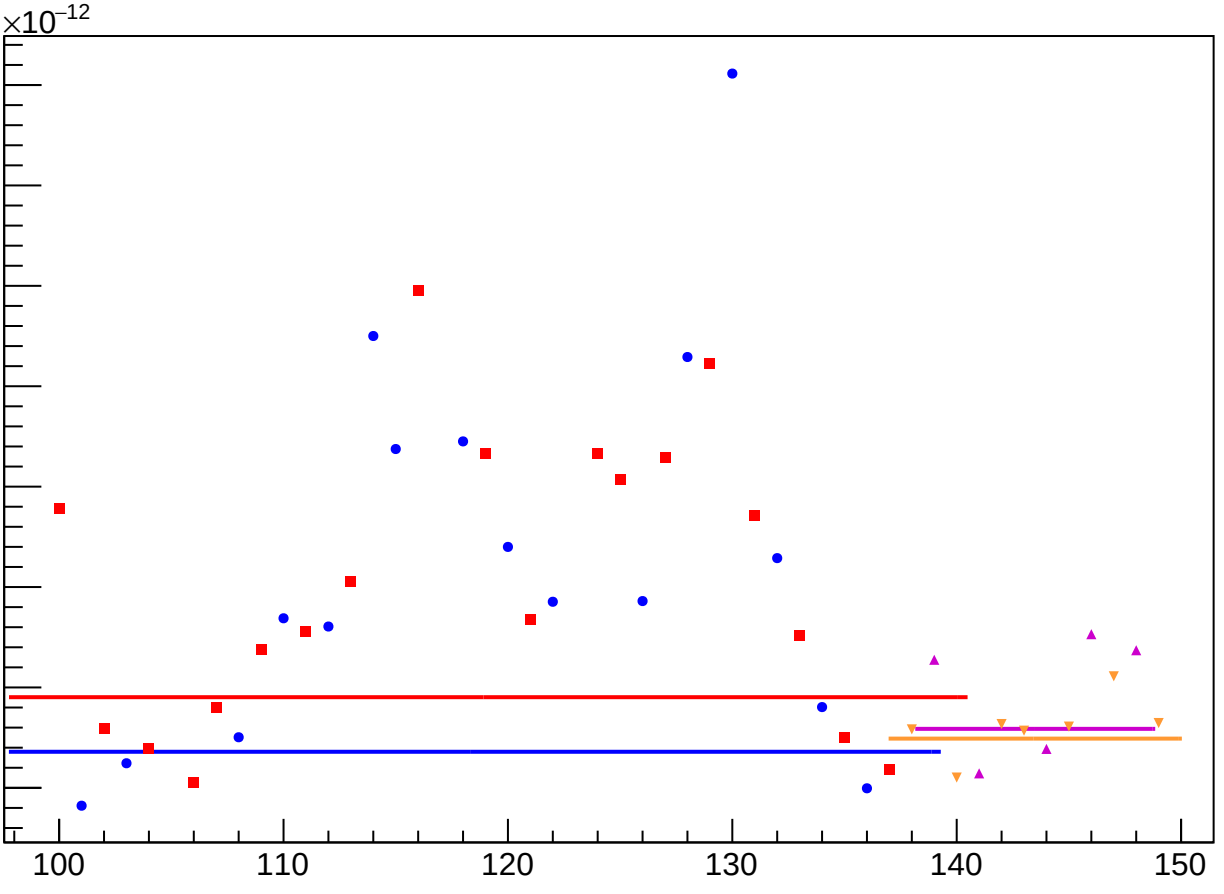
Left In: -0.000+/-0.000 χ^2/NDF:2.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 20.9/22

All: -0.000+/-0.000 χ^2/NDF: 39.5/46

- sign -0.000+/-0.000 χ^2/NDF: 18.6/23

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:291265.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

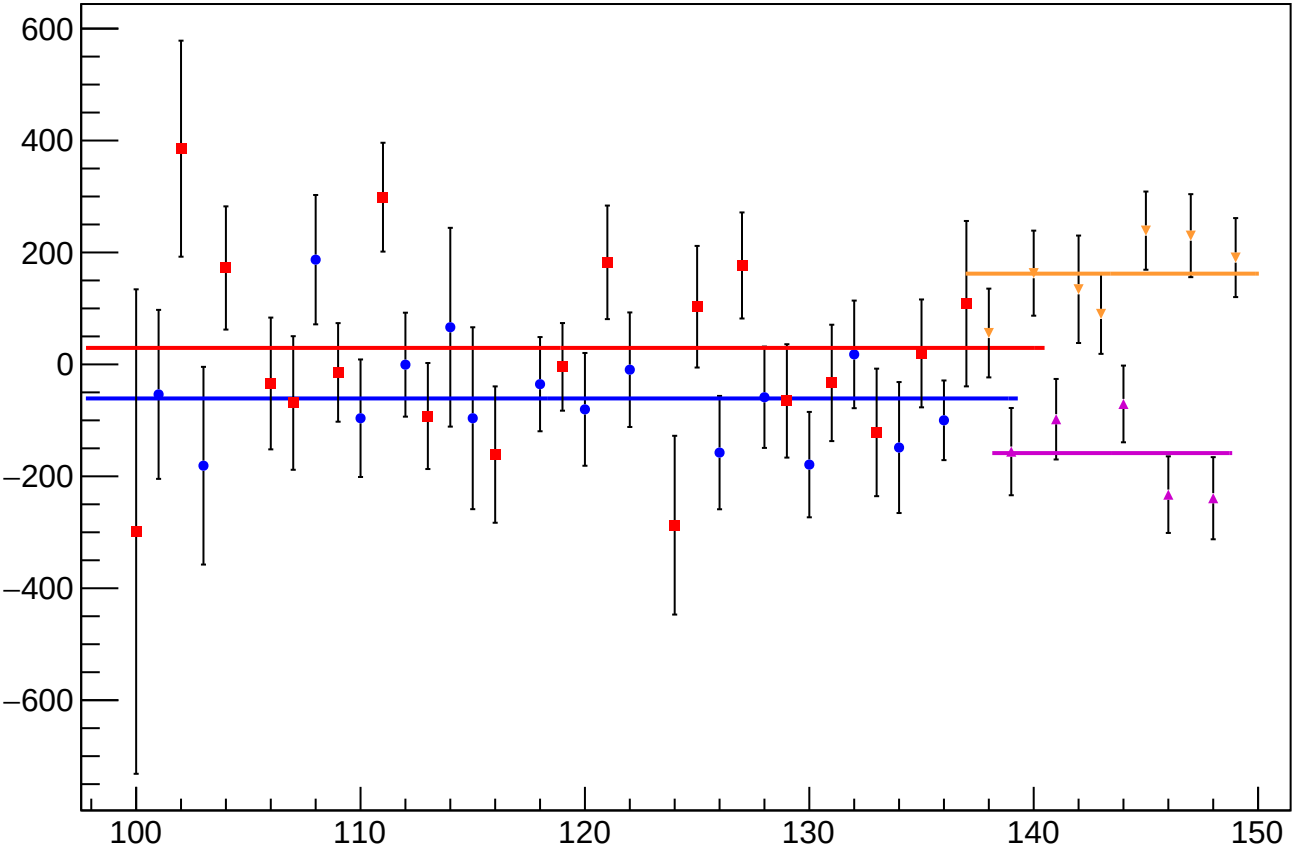
Left In: 0.000+/-0.000 χ^2/NDF:663844.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 3509561.3/22

All: 0.000+/-0.000 χ^2/NDF: 6647722.0/46

- sign 0.000+/-0.000 χ^2/NDF: 2830503.4/23

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 162.147+/-28.577 χ^2/NDF:5.1/6

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

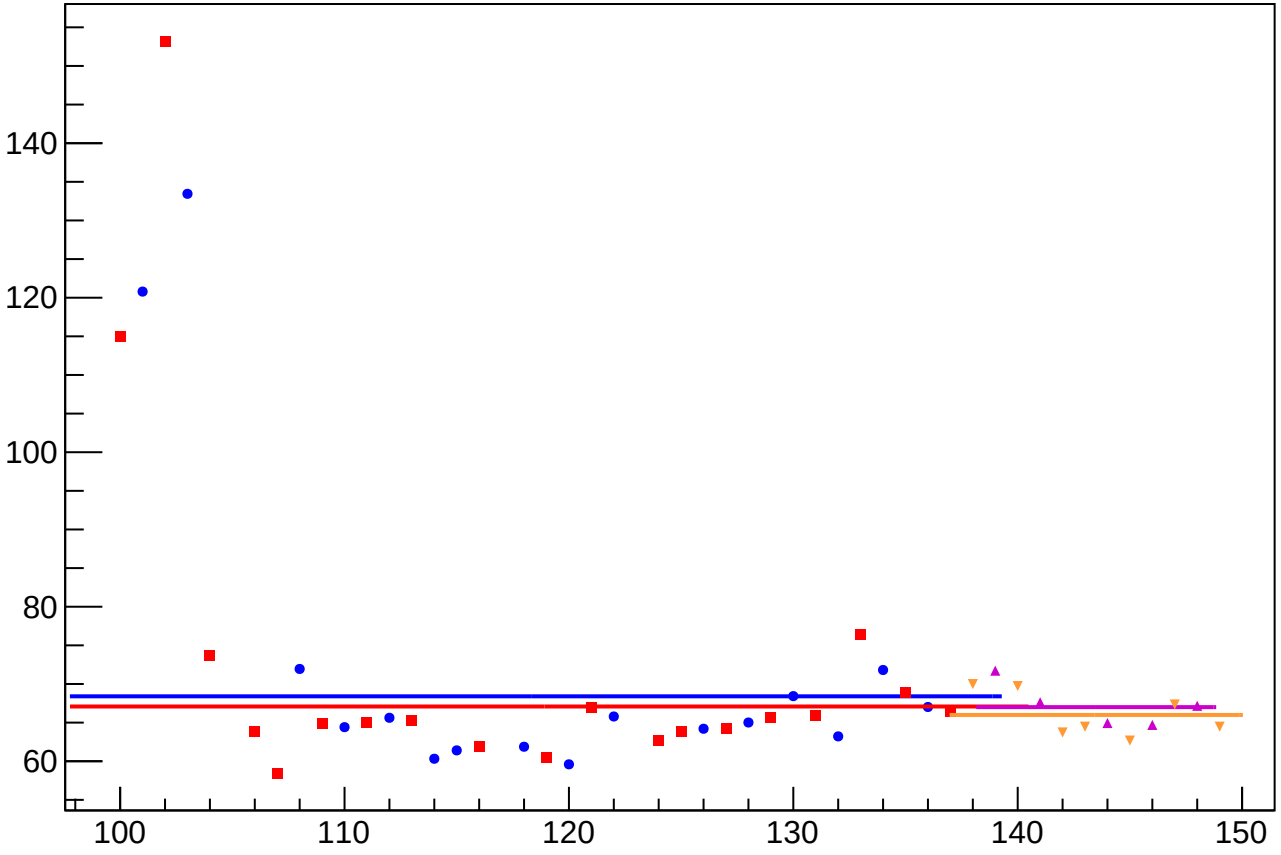
Left In: -158.481+/-32.111 χ^2/NDF:4.7/4

+ sign 40.372+/-19.253 χ^2/NDF: 48.9/22

All: 0.369+/-13.796 χ^2/NDF: 115.0/46

- 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: 65.991+/-0.020 χ^2/NDF:18031.1/6

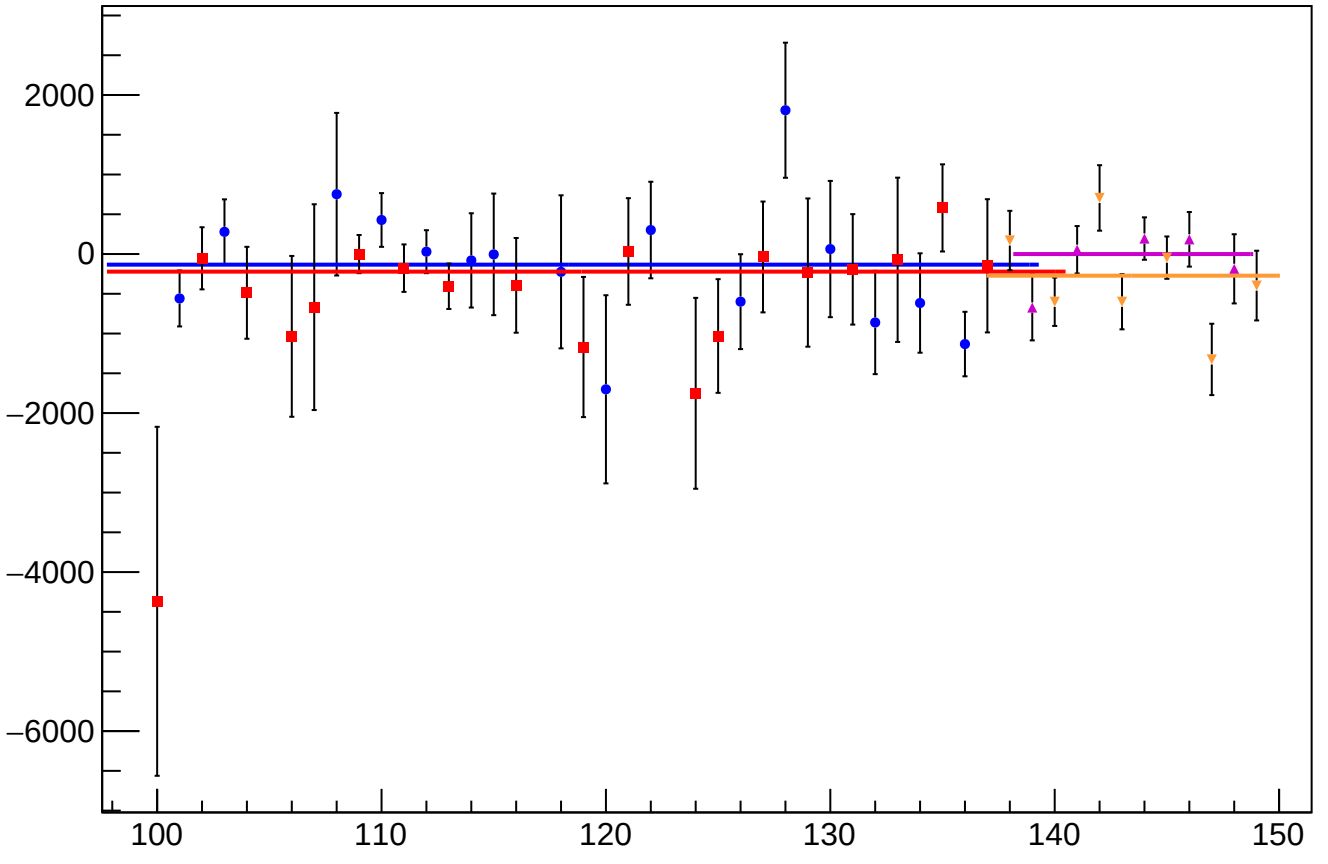
Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 67.005+/-0.023 χ^2/NDF:11556.3/4

+ sign 67.309+/-0.014 χ^2/NDF: 595368.9/22

All: 67.185+/-0.010 χ^2/NDF: 1088916.8/46

- 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: -272.301+/-133.061 χ^2/NDF:15.4/6

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

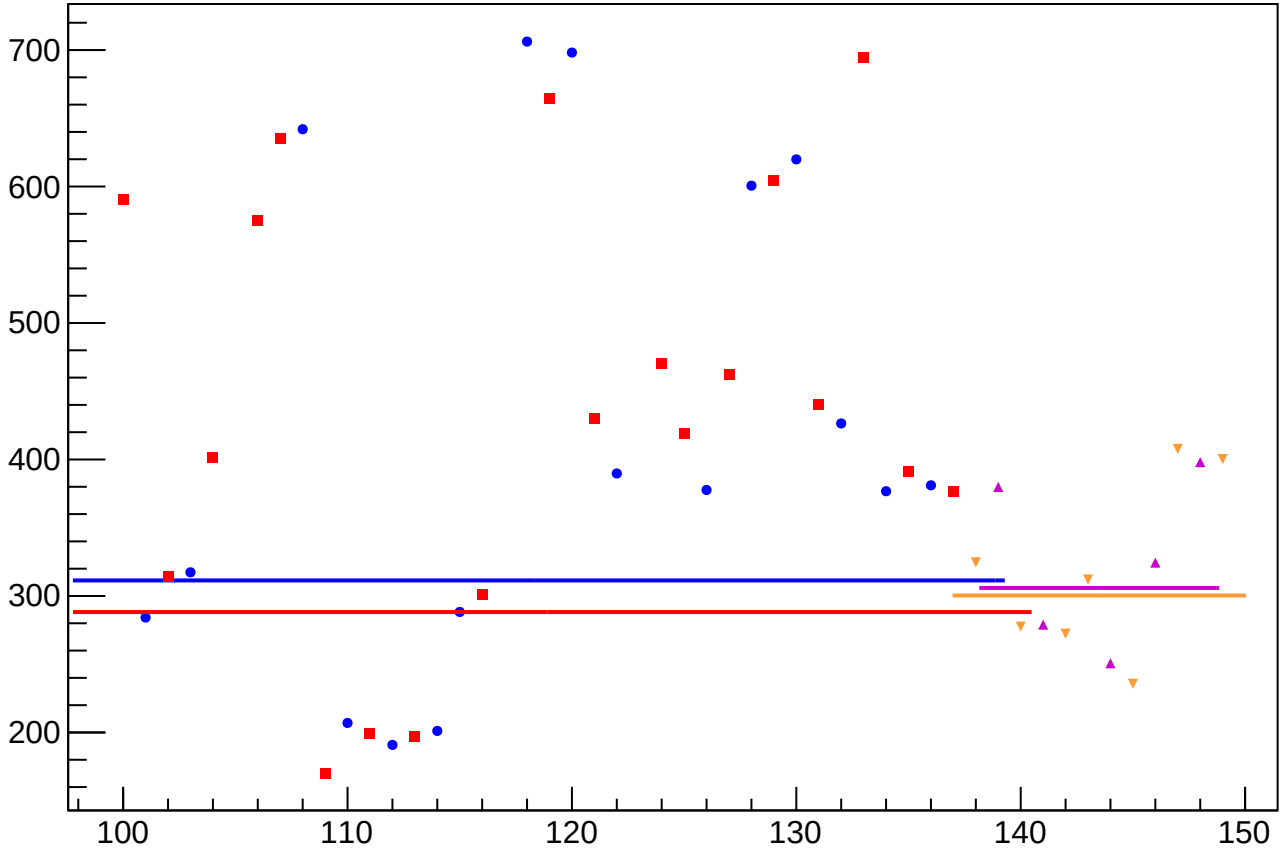
Left In: -0.354+/-149.173 χ^2/NDF:3.7/4

+ sign -199.115+/-91.453 χ^2/NDF: 38.5/22

All: -168.128+/-65.013 χ^2/NDF: 56.3/46

- 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: 300.374+/-0.094 χ^2/NDF:367801.9/6

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

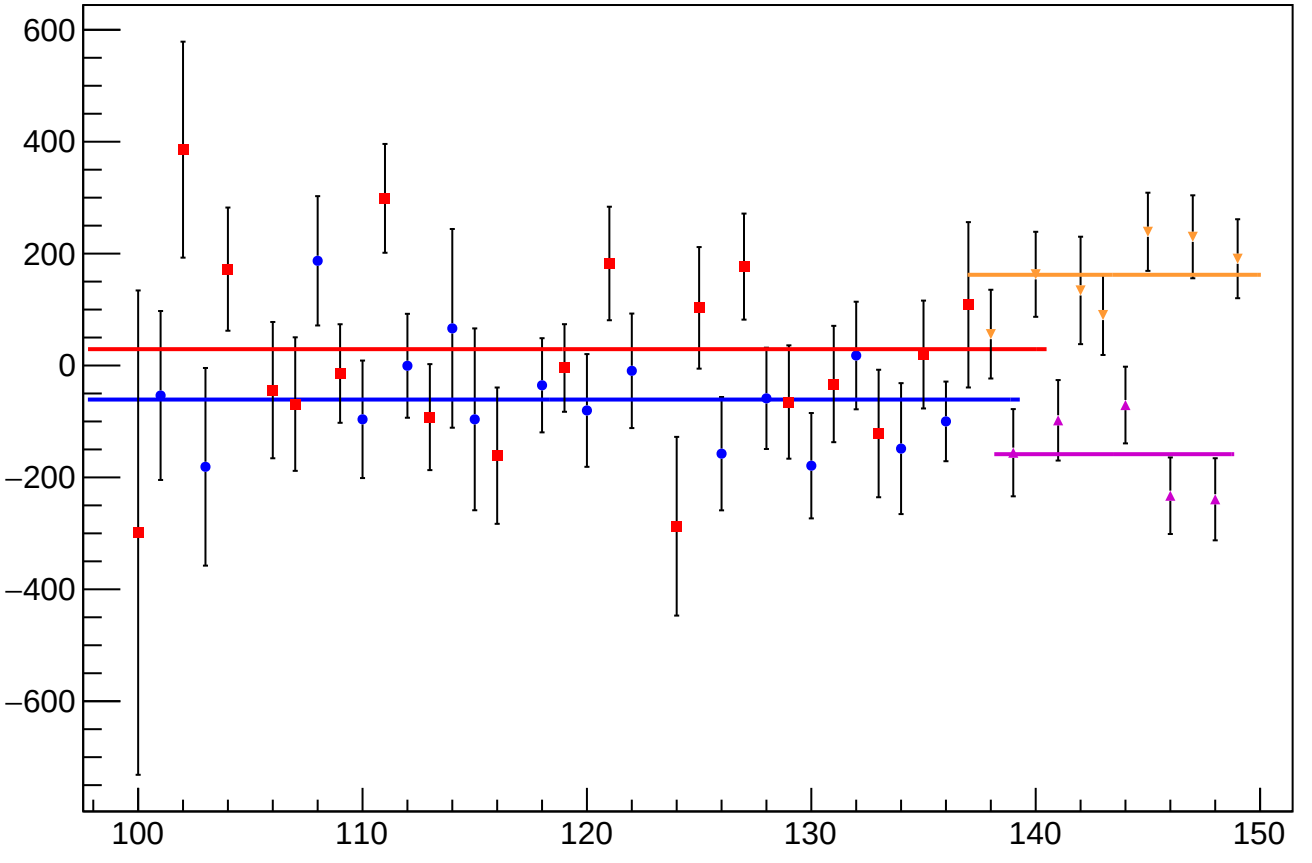
Left In: 305.891+/-0.105 χ^2/NDF:261755.0/4

+ sign 306.184+/-0.065 χ^2/NDF: 2498827.4/22

All: 300.651+/-0.046 χ^2/NDF: 5508085.0/46

- 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: 162.150+/-28.577 χ^2/NDF:5.1/6

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

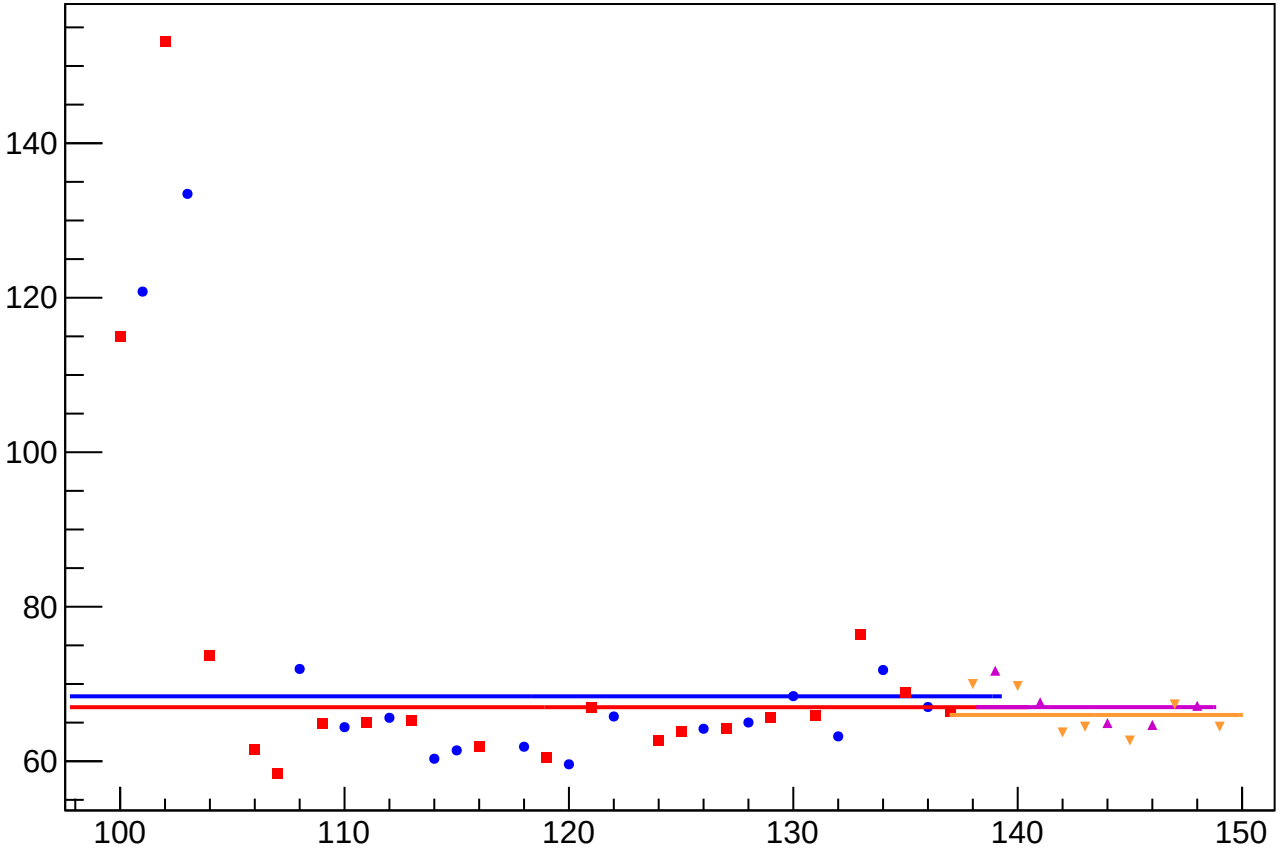
Left In: -158.477+/-32.111 χ^2/NDF:4.7/4

+ sign 40.372+/-19.253 χ^2/NDF: 48.9/22

All: 0.274+/-13.802 χ^2/NDF: 115.0/46

- 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: 65.991+/-0.020 χ^2/NDF:18031.1/6

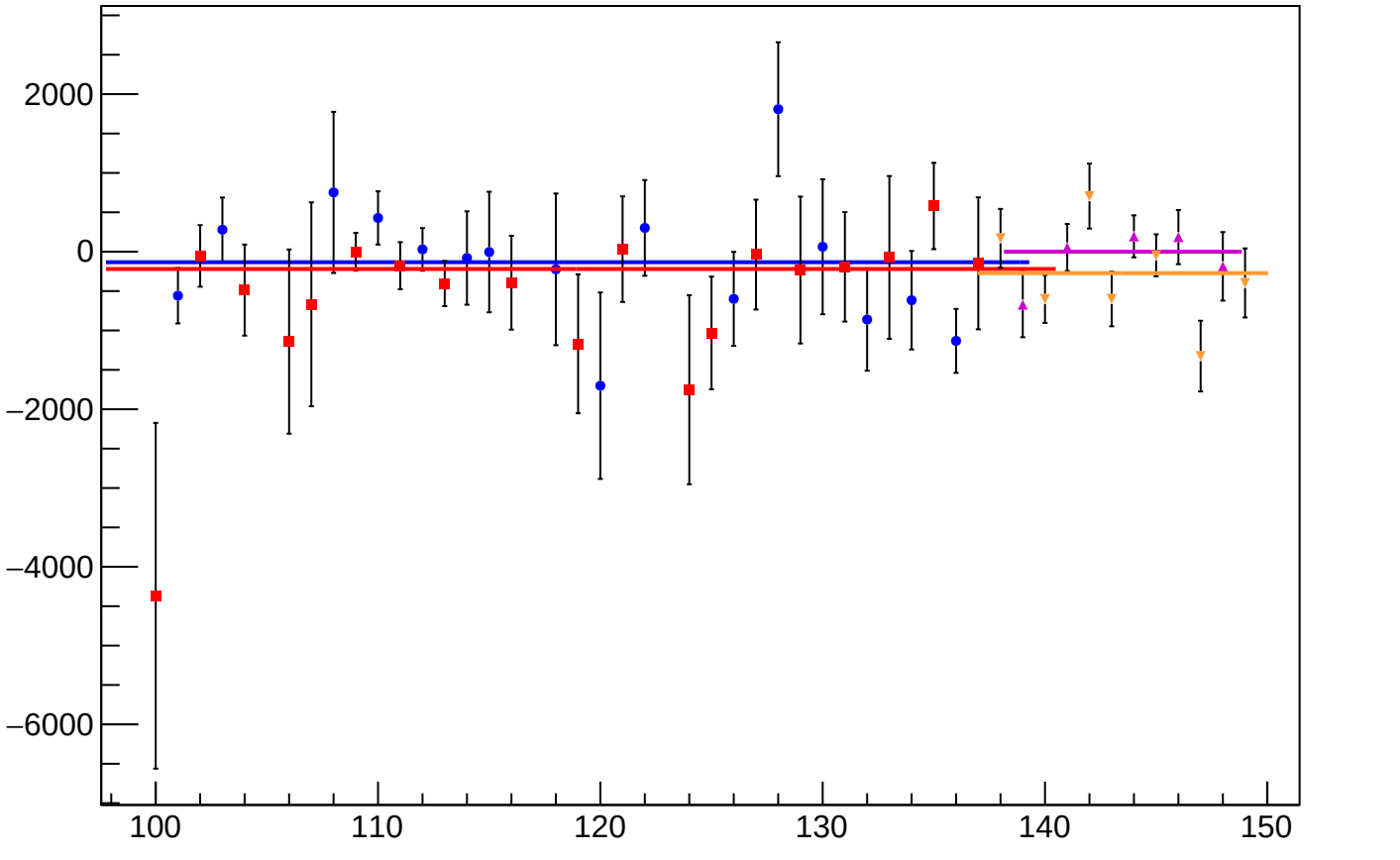
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 67.005+/-0.023 χ^2/NDF:11556.3/4

+ sign 67.309+/-0.014 χ^2/NDF: 595369.2/22

All: 67.158+/-0.010 χ^2/NDF: 1091665.4/46

- 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: -272.298+/-133.060 χ^2/NDF:15.4/6

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

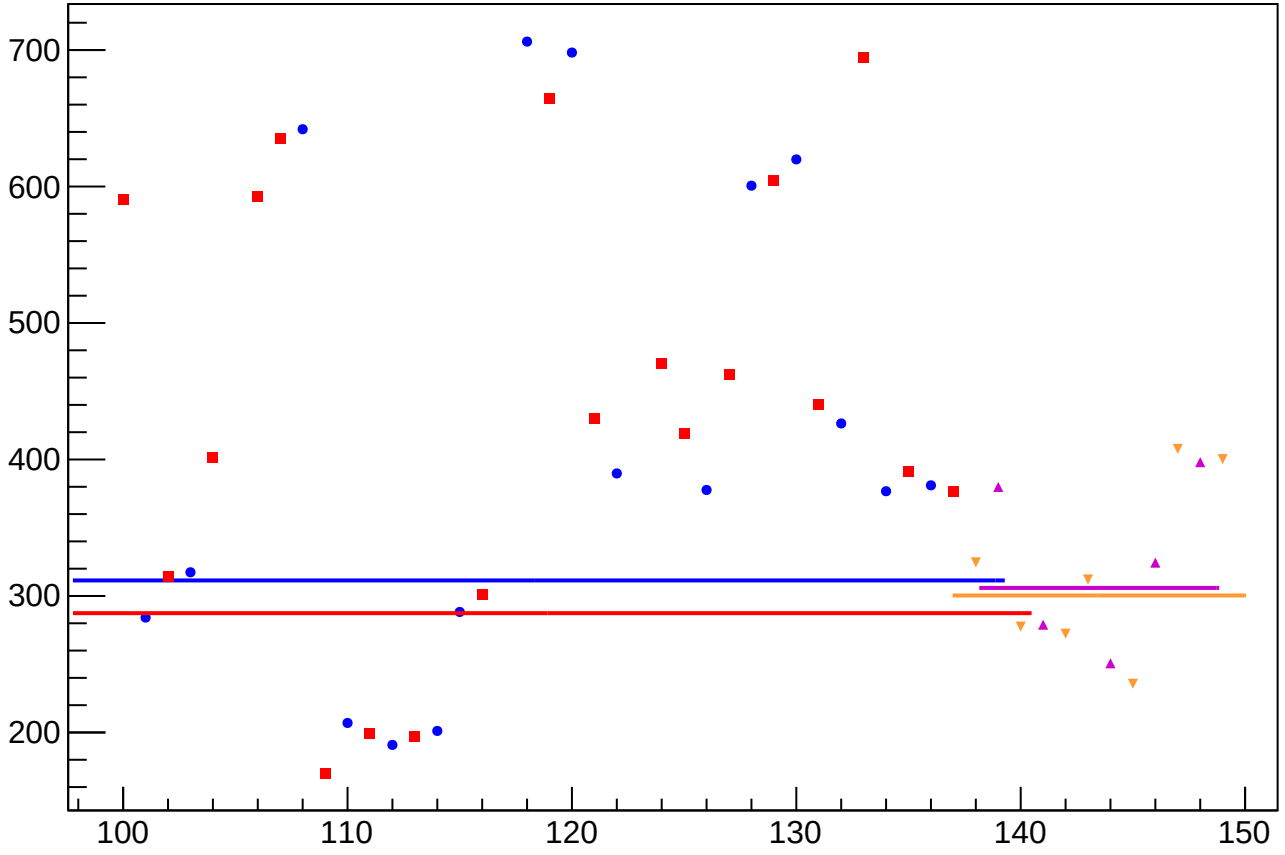
Left In: -0.349+/-149.173 χ^2/NDF:3.7/4

+ sign -199.112+/-91.453 χ^2/NDF: 38.5/22

All: -167.549+/-65.048 χ^2/NDF: 56.2/46

- 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: 300.374+/-0.094 χ^2/NDF:367802.0/6

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

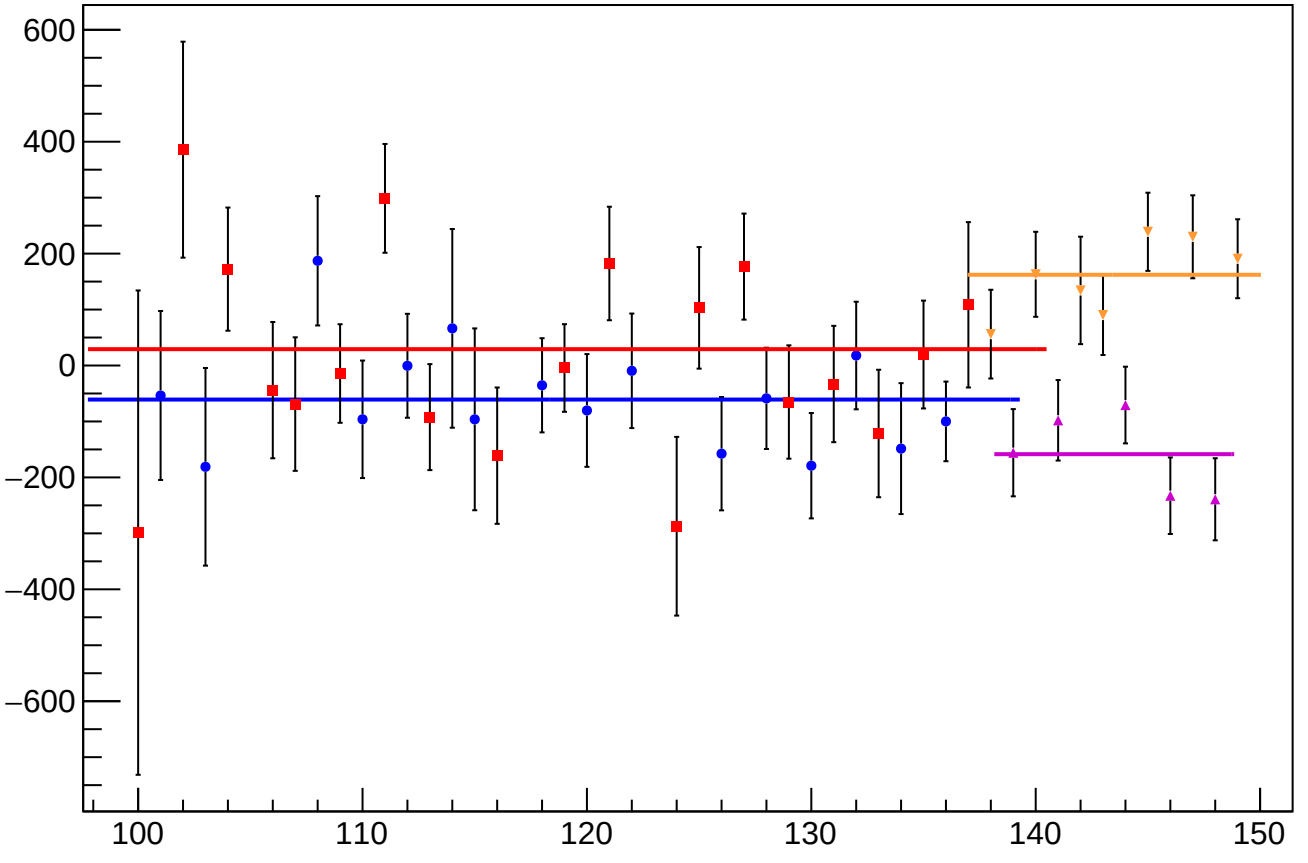
Left In: 305.892+/-0.105 χ^2/NDF:261753.7/4

+ sign 306.185+/-0.065 χ^2/NDF: 2498831.7/22

All: 300.424+/-0.046 χ^2/NDF: 5485786.6/46

- 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: 162.150+/-28.577 χ^2/NDF:5.1/6

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

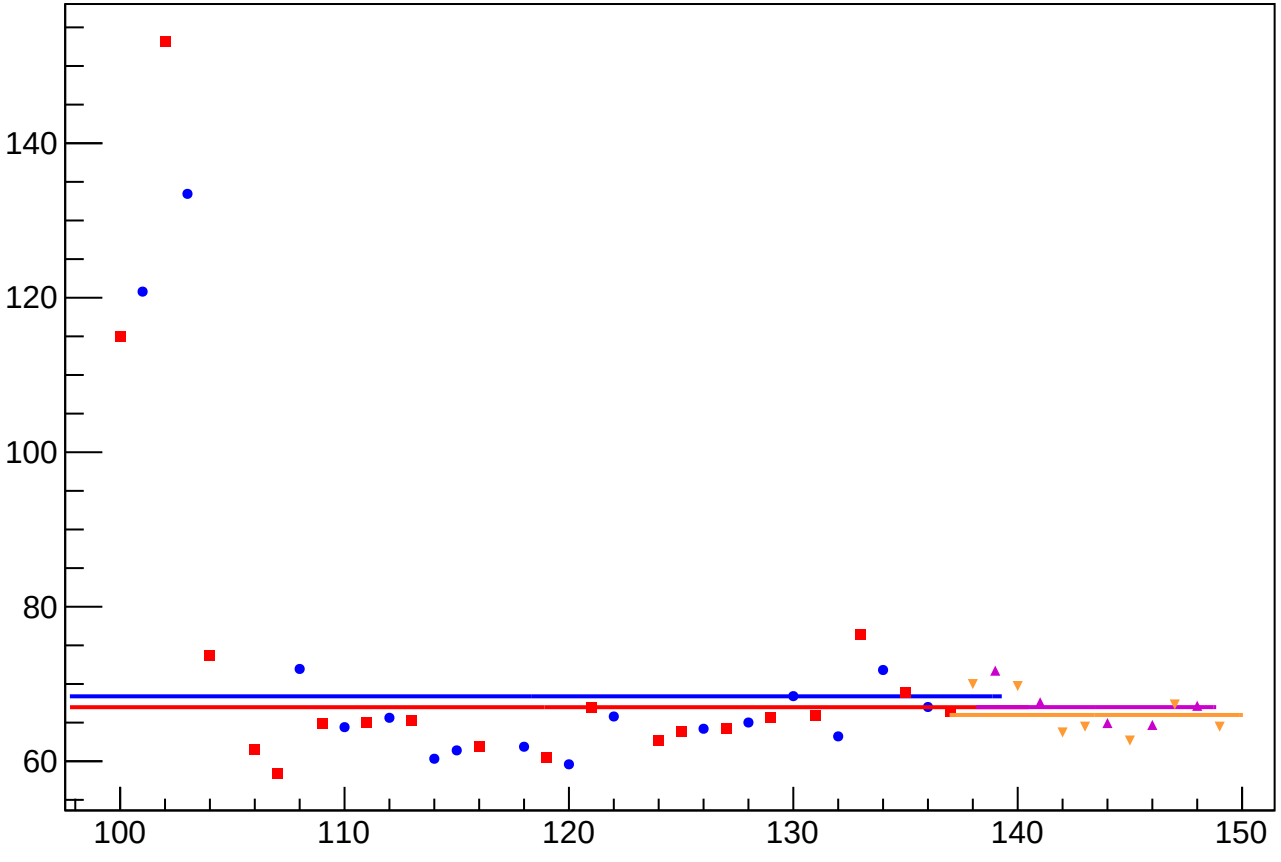
Left In: -158.477+/-32.111 χ^2/NDF:4.7/4

+ sign 40.372+/-19.253 χ^2/NDF: 48.9/22

All: 0.274+/-13.802 χ^2/NDF: 115.0/46

- 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: 65.991+/-0.020 χ^2/NDF:18031.1/6

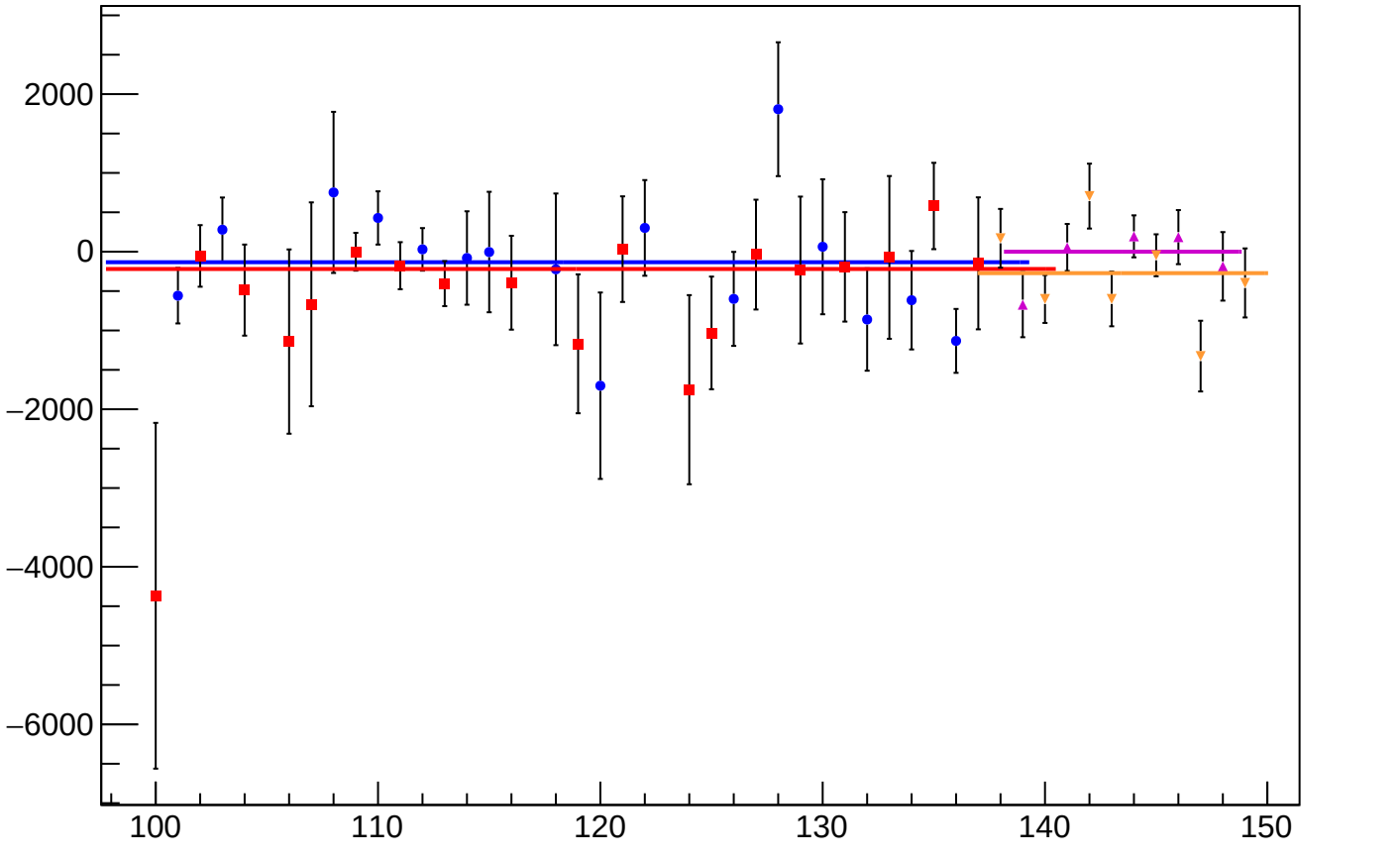
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 67.005+/-0.023 χ^2/NDF:11556.3/4

+ sign 67.309+/-0.014 χ^2/NDF: 595369.2/22

All: 67.158+/-0.010 χ^2/NDF: 1091665.4/46

- 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: -272.298+/-133.060 χ^2/NDF:15.4/6

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

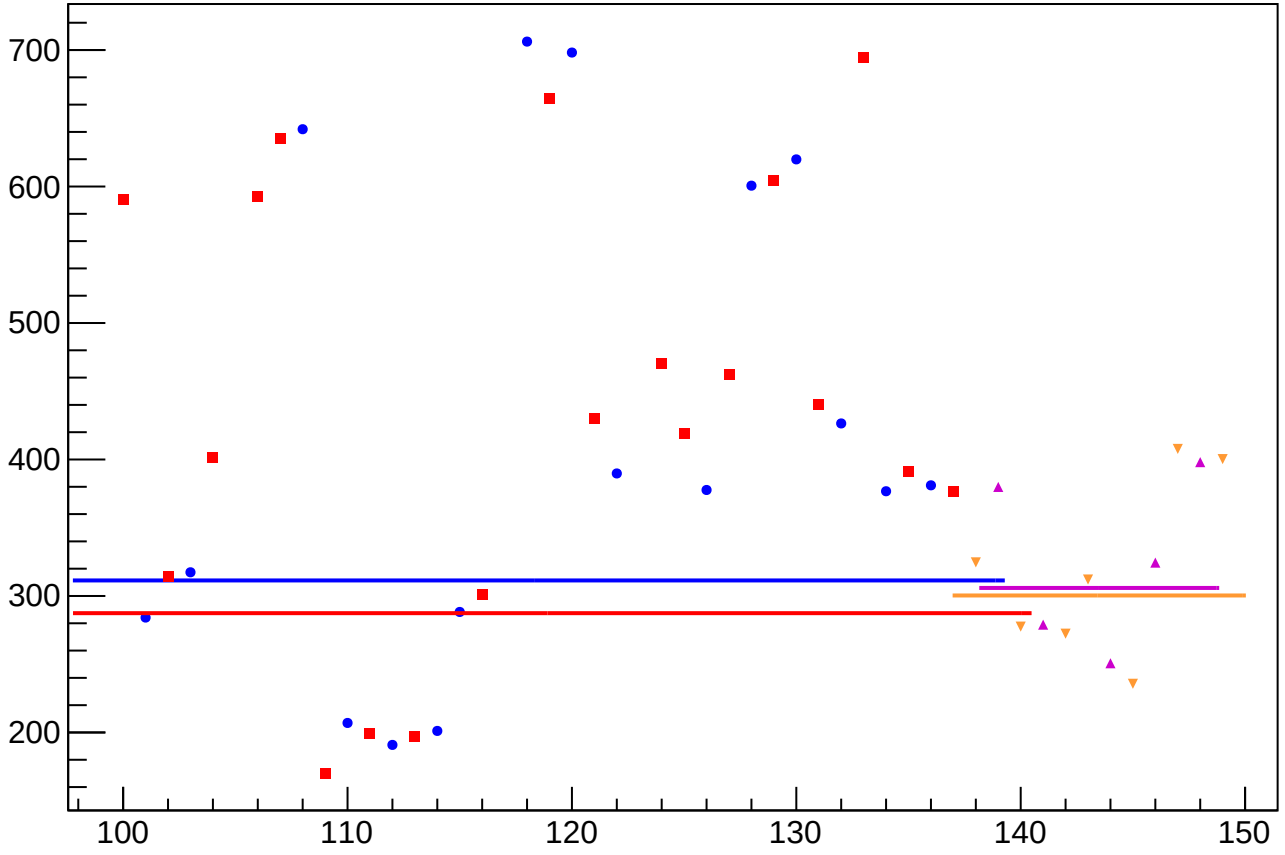
Left In: -0.349+/-149.173 χ^2/NDF:3.7/4

+ sign -199.112+/-91.453 χ^2/NDF: 38.5/22

All: -167.549+/-65.048 χ^2/NDF: 56.2/46

- 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: 300.374+/-0.094 χ^2/NDF:367802.0/6

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

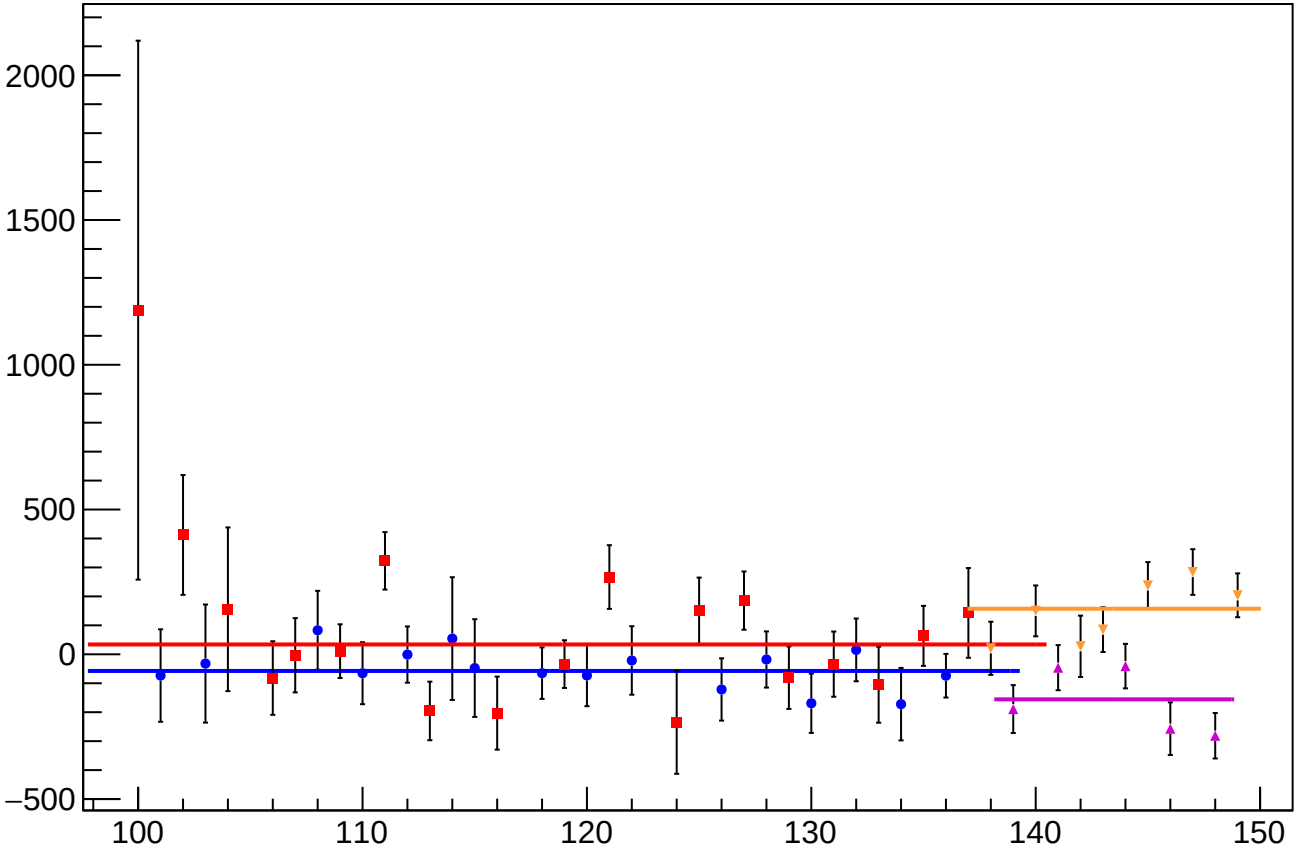
Left In: 305.892+/-0.105 χ^2/NDF:261753.7/4

+ sign 306.185+/-0.065 χ^2/NDF: 2498831.7/22

All: 300.424+/-0.046 χ^2/NDF: 5485786.6/46

- 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: 157.354+/-31.733 χ^2/NDF:8.5/6

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

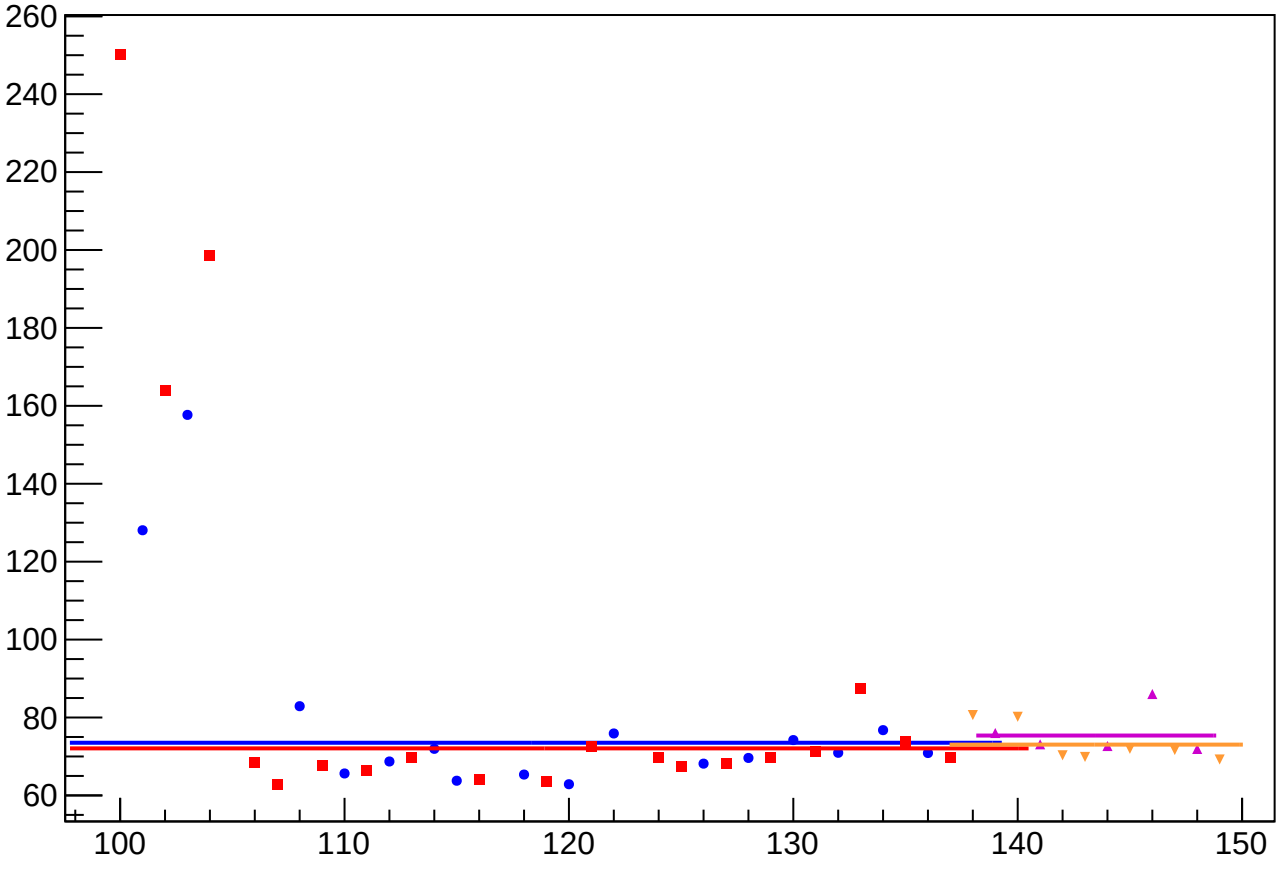
Left In: -155.616+/-36.196 χ^2/NDF:8.2/4

+ sign 36.861+/-21.032 χ^2/NDF: 39.1/22

All: 2.271+/-15.151 χ^2/NDF: 107.5/46

- 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: 73.043+/-0.022 χ^2/NDF:37648.1/6

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

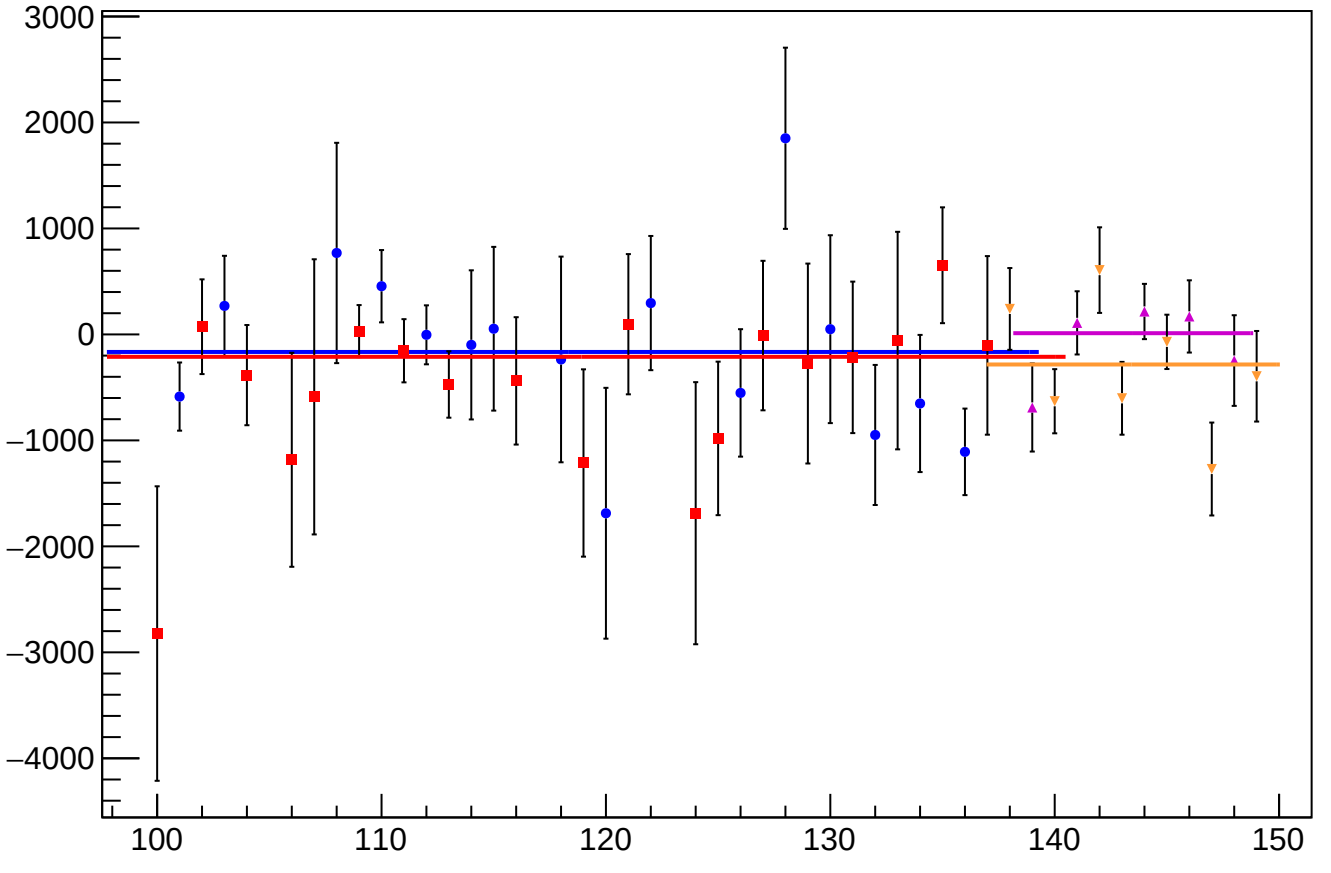
Left In: 75.371+/-0.026 χ^2/NDF:35533.0/4

+ sign 73.310+/-0.015 χ^2/NDF: 694748.0/22

All: 73.293+/-0.011 χ^2/NDF: 1699330.9/46

- 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: -283.743+/-131.161 χ^2/NDF:14.7/6

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

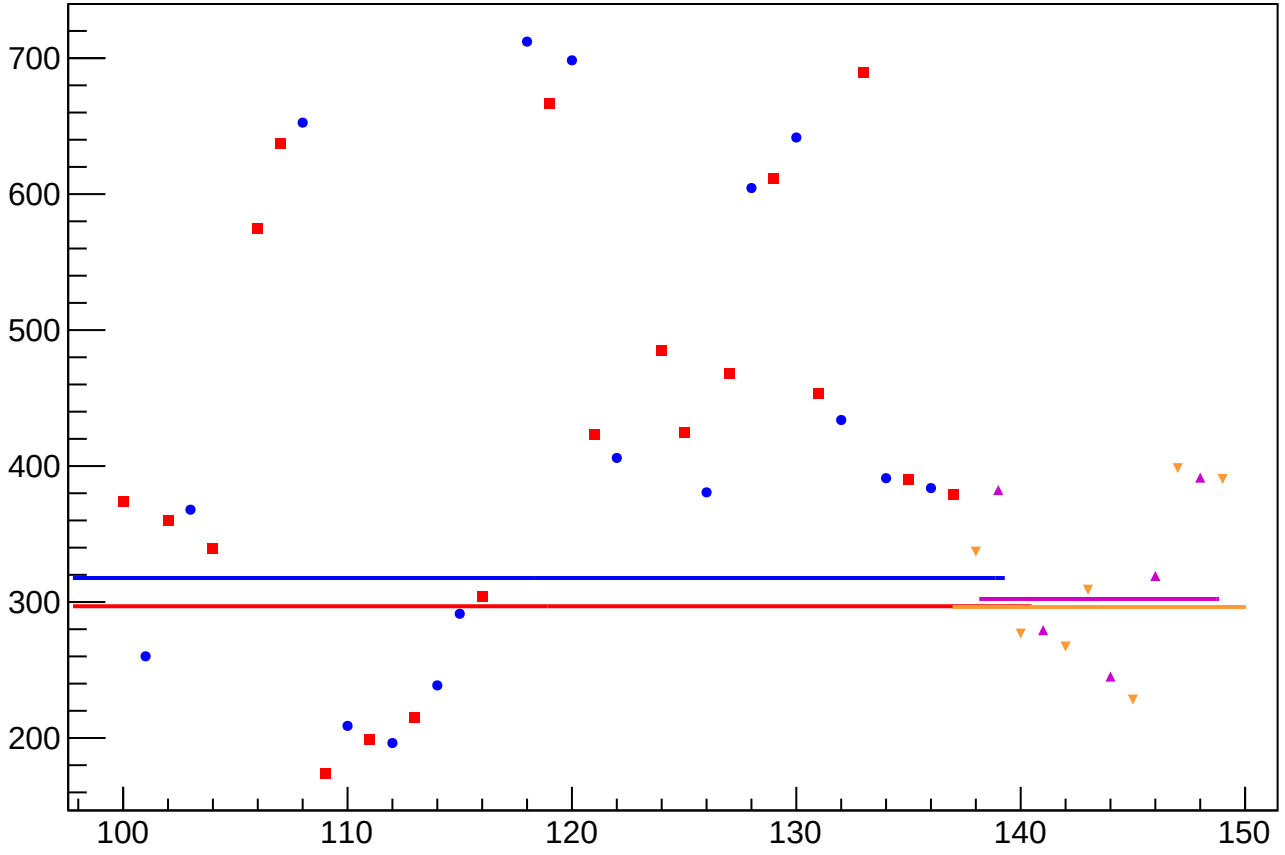
Left In: 11.540+/-147.749 χ^2/NDF:4.1/4

+ sign -223.381+/-91.767 χ^2/NDF: 37.7/22

All: -173.798+/-65.391 χ^2/NDF: 57.5/46

- 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: 296.315+/-0.093 χ^2/NDF:390177.6/6

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

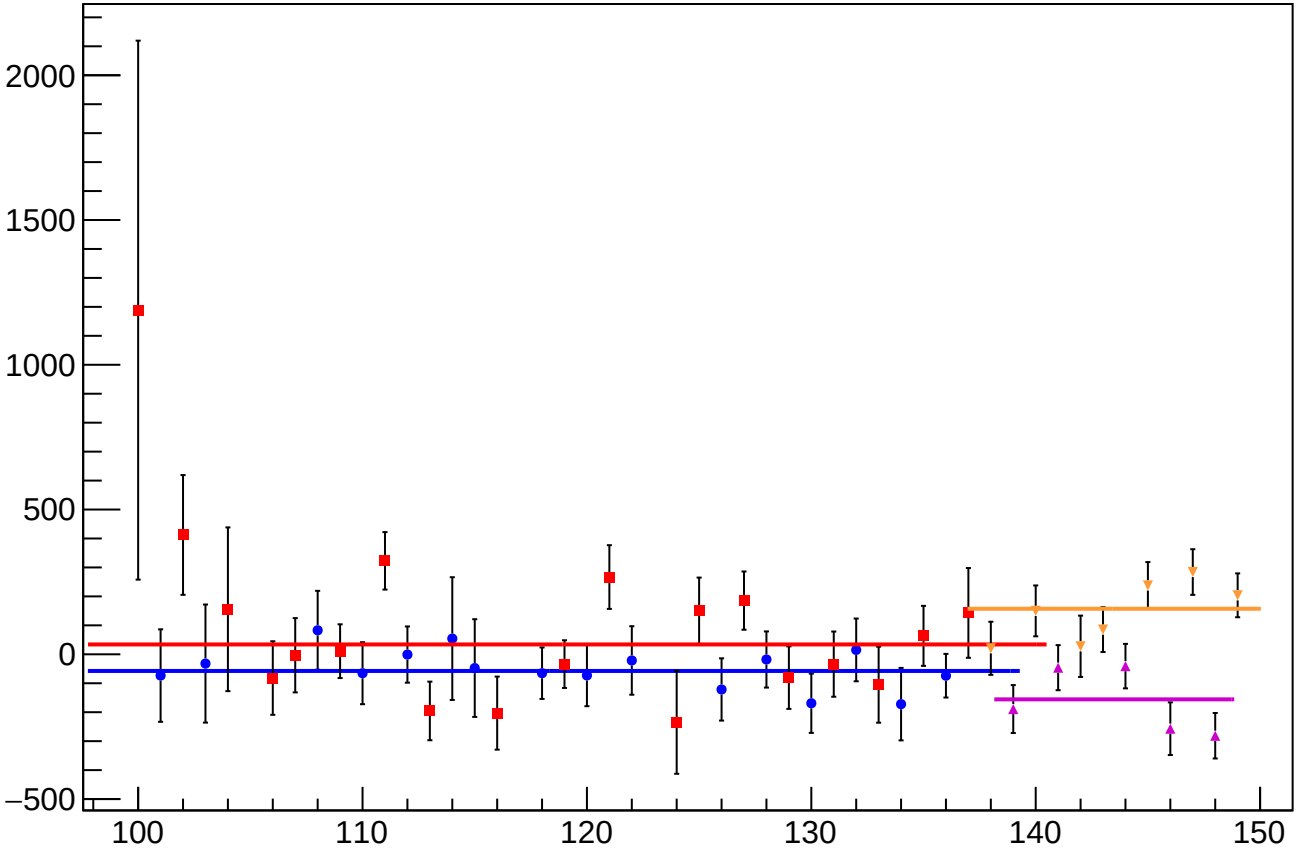
Left In: 302.258+/-0.104 χ^2/NDF:273885.8/4

+ sign 307.214+/-0.065 χ^2/NDF: 2553418.8/22

All: 303.183+/-0.046 χ^2/NDF: 5377774.0/46

- 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: 157.352+/-31.733 χ^2/NDF:8.5/6

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

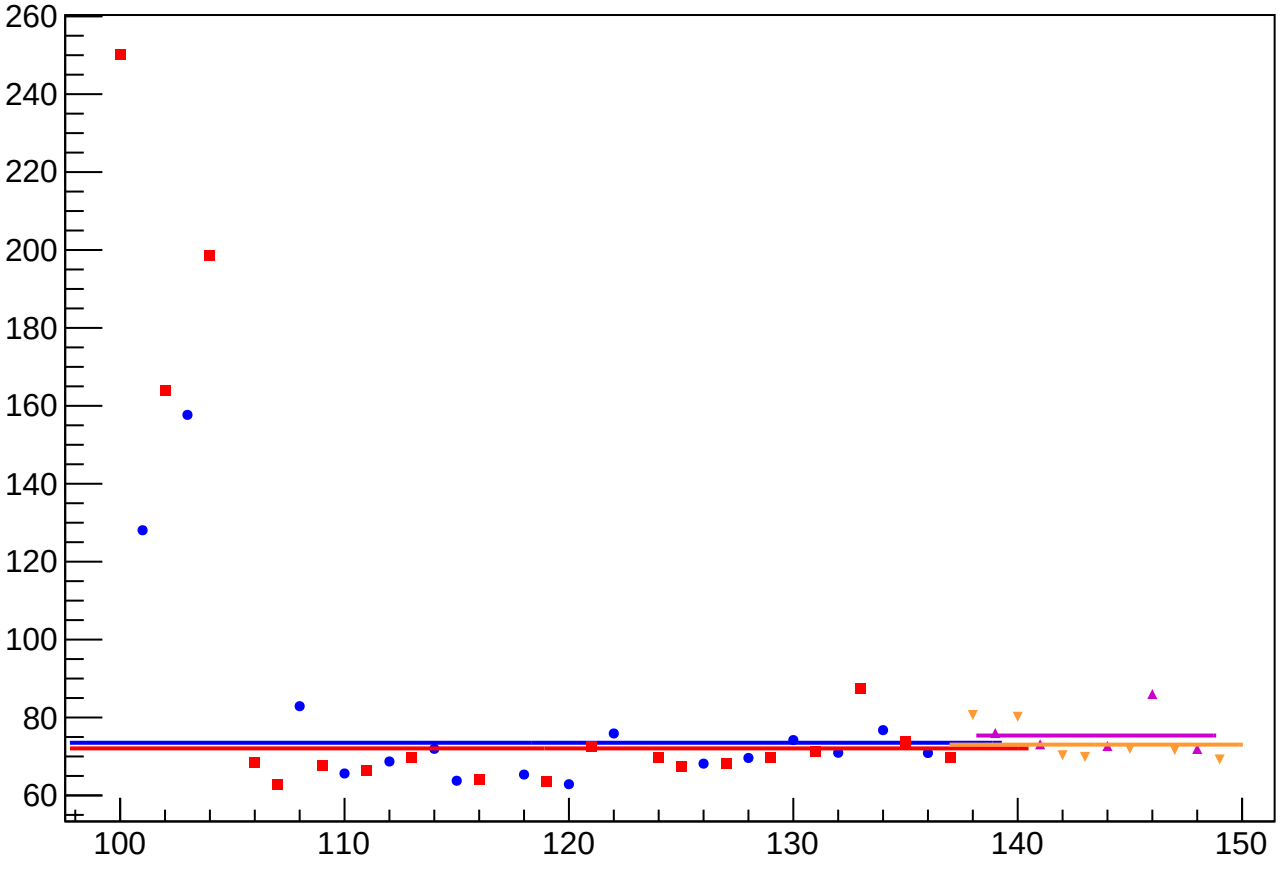
Left In: -155.616+/-36.196 χ^2/NDF:8.2/4

\+ sign 36.860+/-21.032 χ^2/NDF: 39.1/22

All: 2.271+/-15.151 χ^2/NDF: 107.5/46

\- 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: 73.043+/-0.022 χ^2/NDF:37647.8/6

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

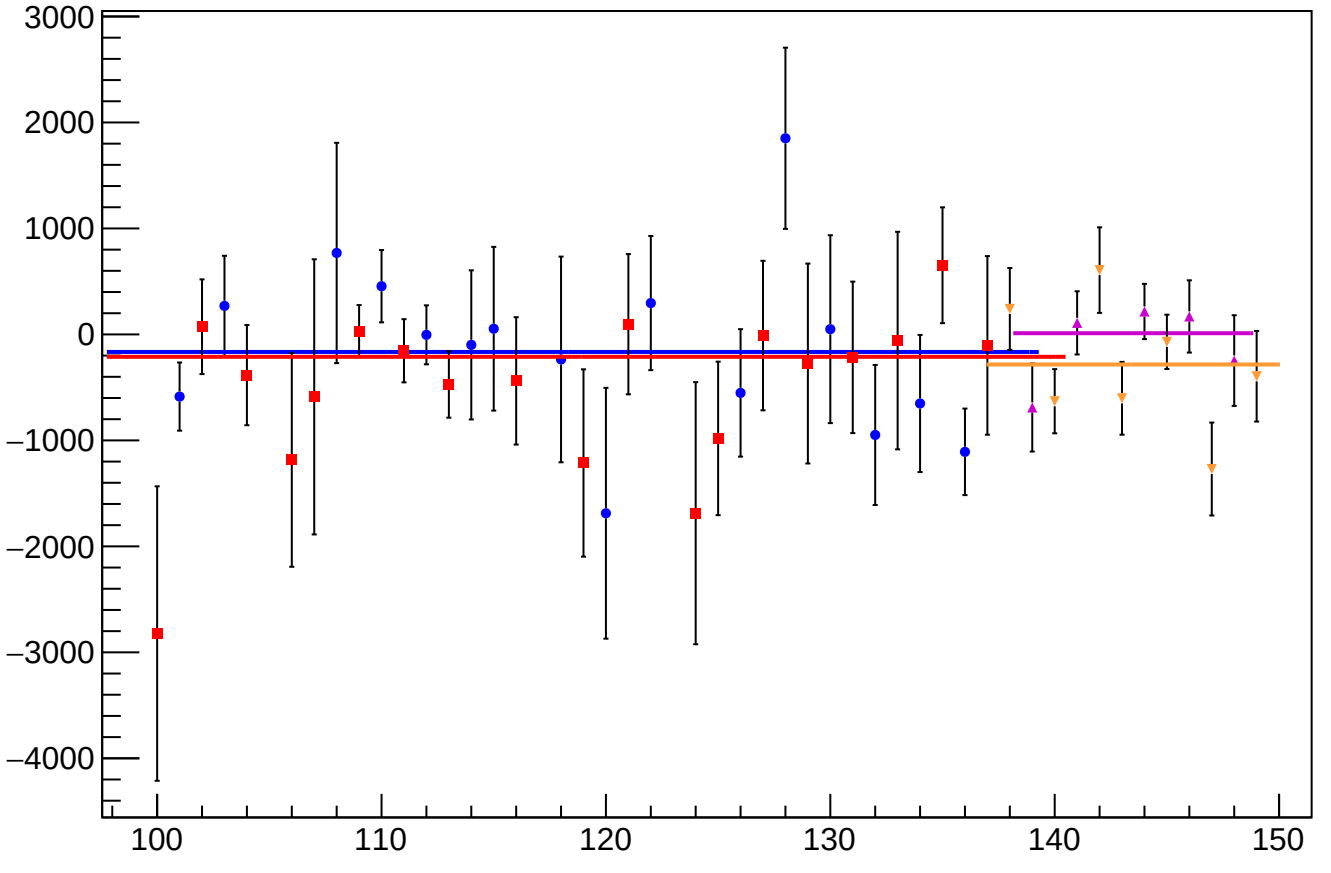
Left In: 75.371+/-0.026 χ^2/NDF:35533.3/4

\+ sign 73.310+/-0.015 χ^2/NDF: 694749.2/22

All: 73.293+/-0.011 χ^2/NDF: 1699334.6/46

\- sign 73.275+/-0.015 χ^2/NDF: 1004582.8/23

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -283.744+/-131.161 χ^2/NDF:14.7/6

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

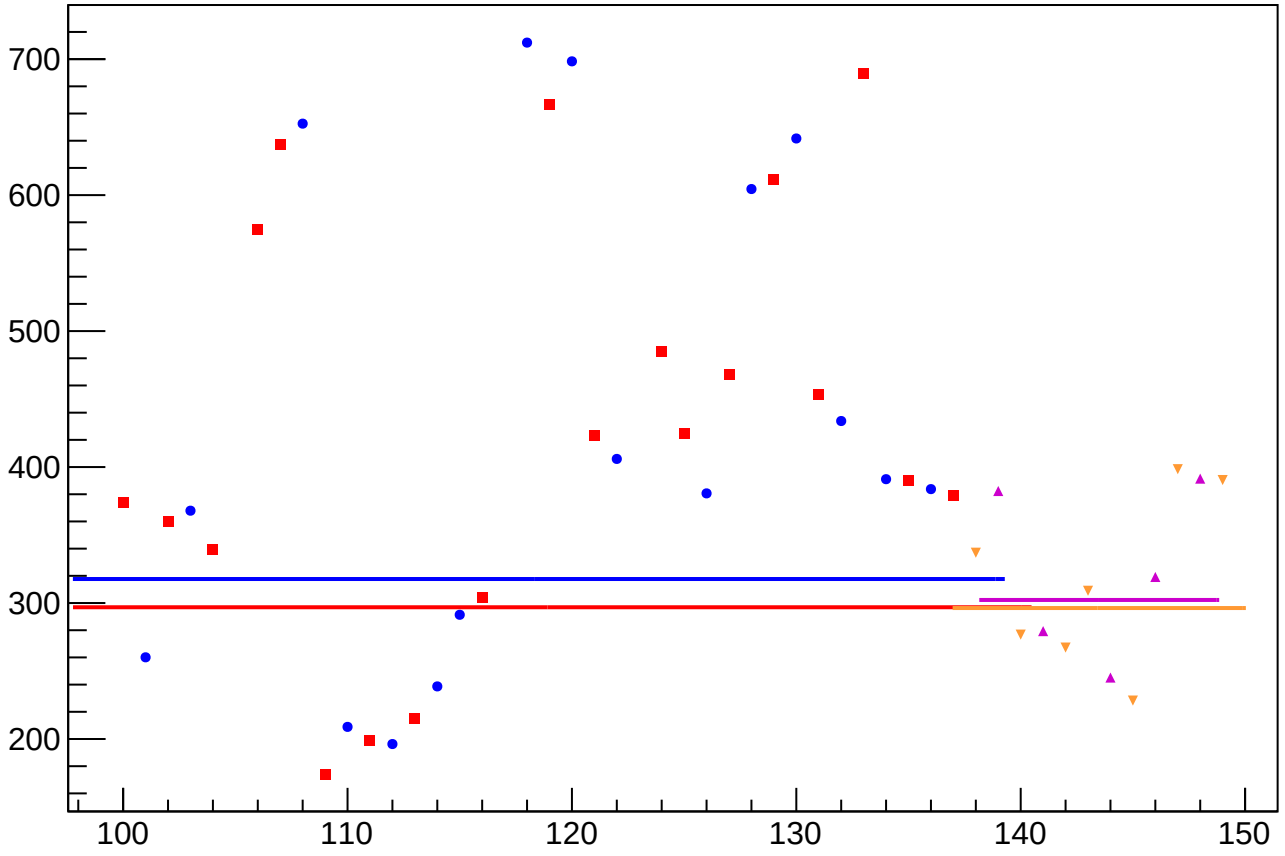
Left In: 11.540+/-147.749 χ^2/NDF:4.1/4

+ sign -223.380+/-91.766 χ^2/NDF: 37.7/22

All: -173.798+/-65.391 χ^2/NDF: 57.5/46

- sign -122.650+/-93.205 χ^2/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: 296.315+/-0.093 χ^2/NDF:390184.2/6

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

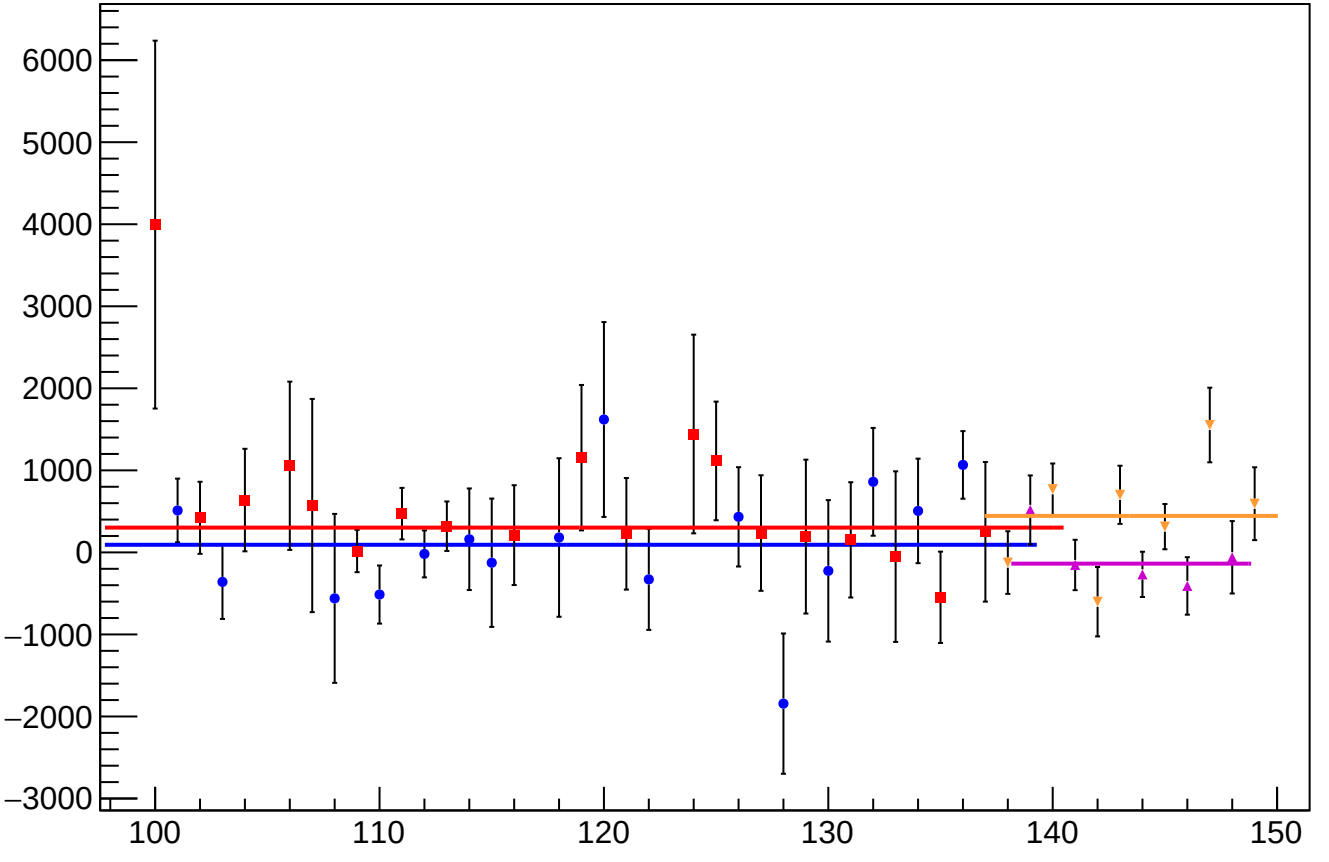
Left In: 302.258+/-0.104 χ^2/NDF:273889.5/4

\+ sign 307.212+/-0.065 χ^2/NDF: 2553452.2/22

All: 303.182+/-0.046 χ^2/NDF: 5377822.1/46

\- 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: 444.692+/-136.585 χ^2/NDF:16.2/6

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

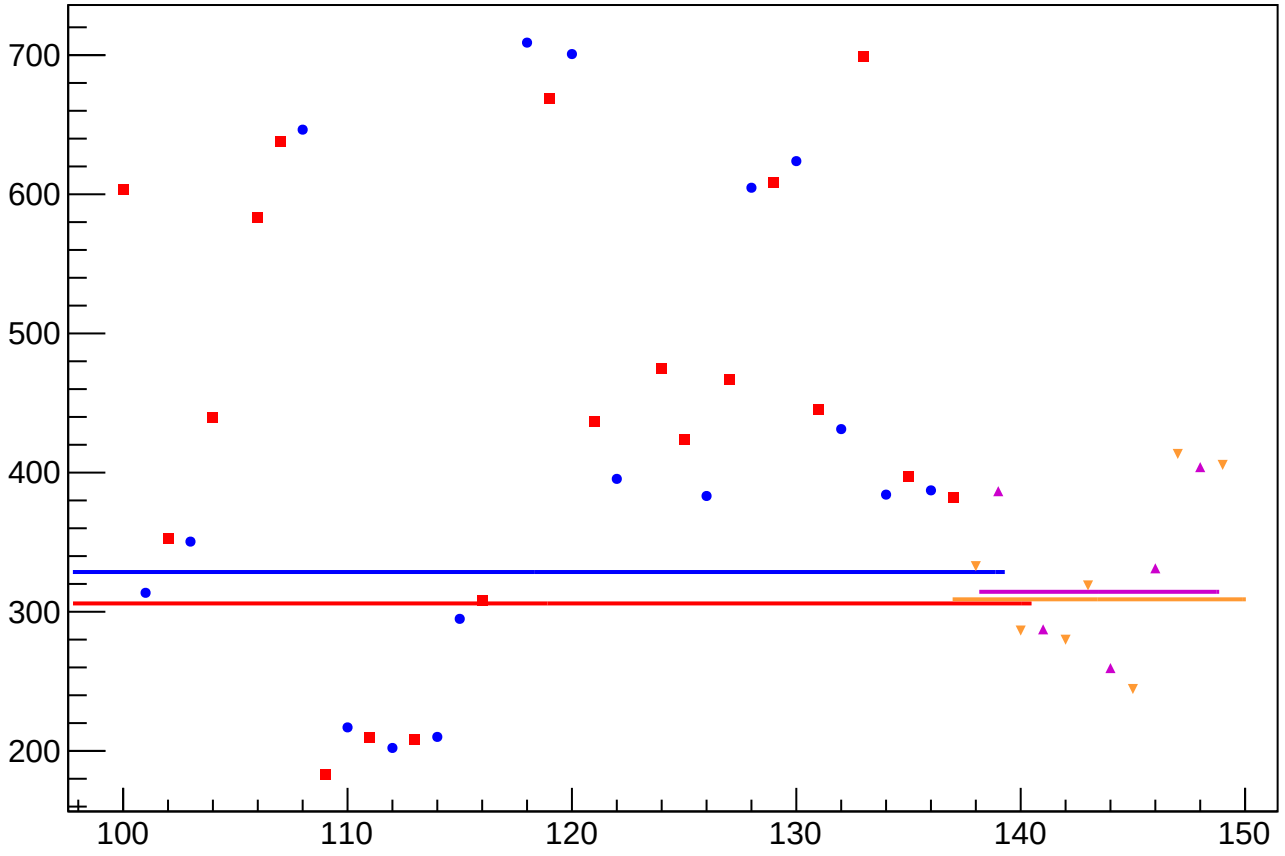
Left In: -137.141+/-153.048 χ^2/NDF:3.3/4

+ sign 262.646+/-94.891 χ^2/NDF: 40.5/22

All: 196.458+/-67.593 χ^2/NDF: 60.5/46

- 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: 308.939+/-0.097 χ^2/NDF:338276.6/6

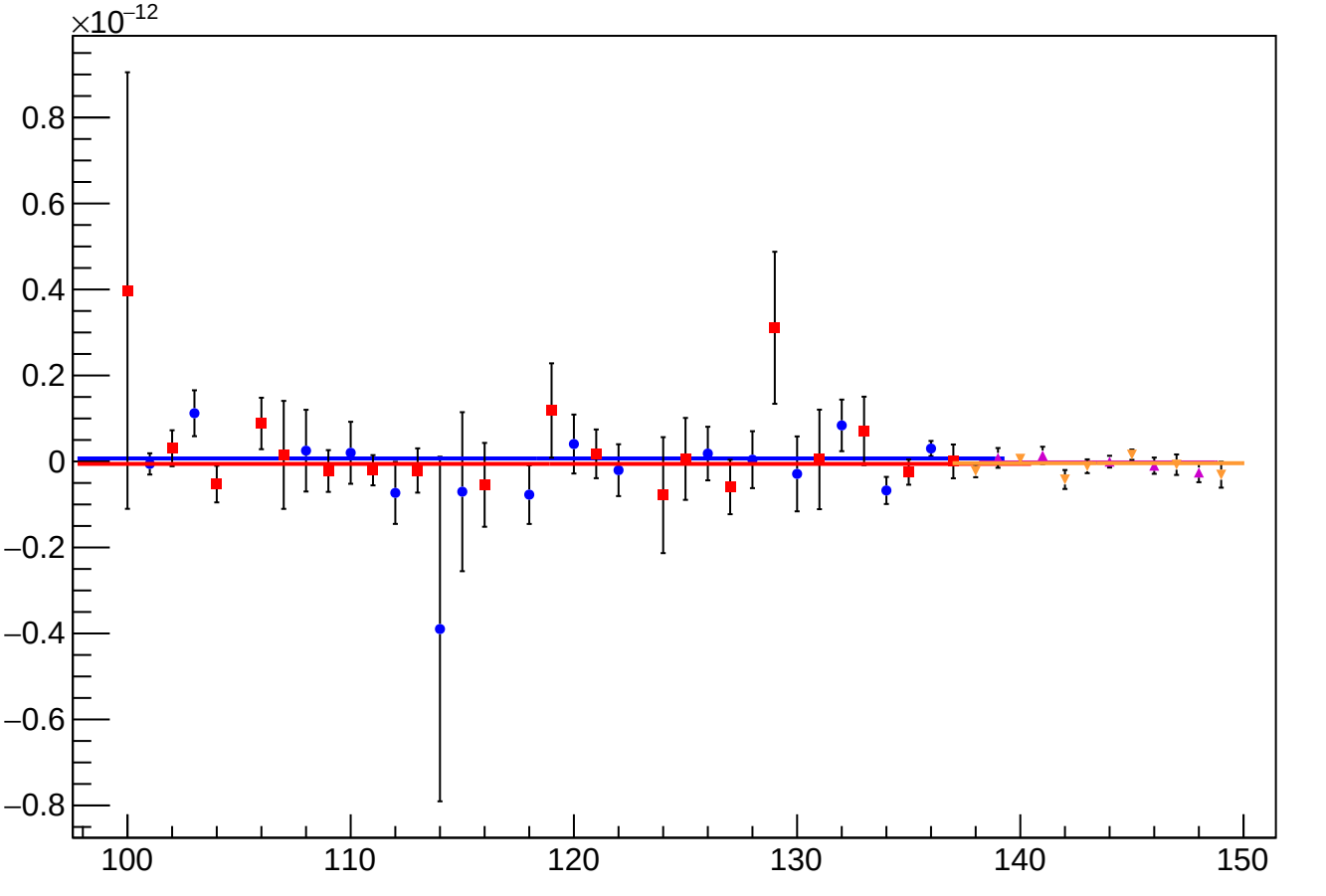
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 314.346+/-0.108 χ^2/NDF:240607.9/4

+ sign 319.093+/-0.067 χ^2/NDF: 2318515.8/22

All: 314.268+/-0.048 χ^2/NDF: 5100688.5/46

- sign 309.298+/-0.068 χ^2/NDF: 2771674.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.2/6

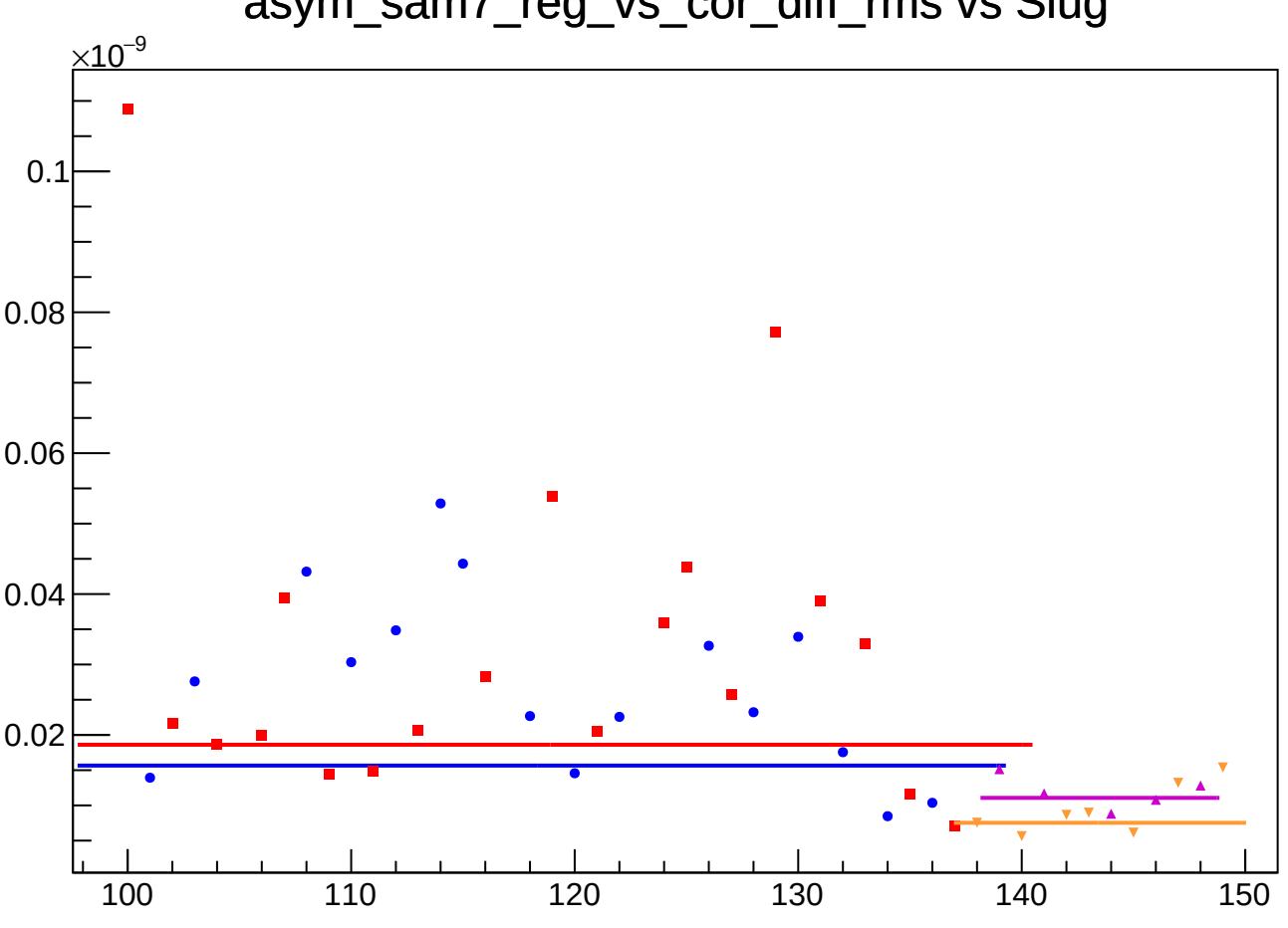
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 27.7/22

All: -0.000+/-0.000 χ^2/NDF: 42.7/46

- sign -0.000+/-0.000 χ^2/NDF: 15.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:361696.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

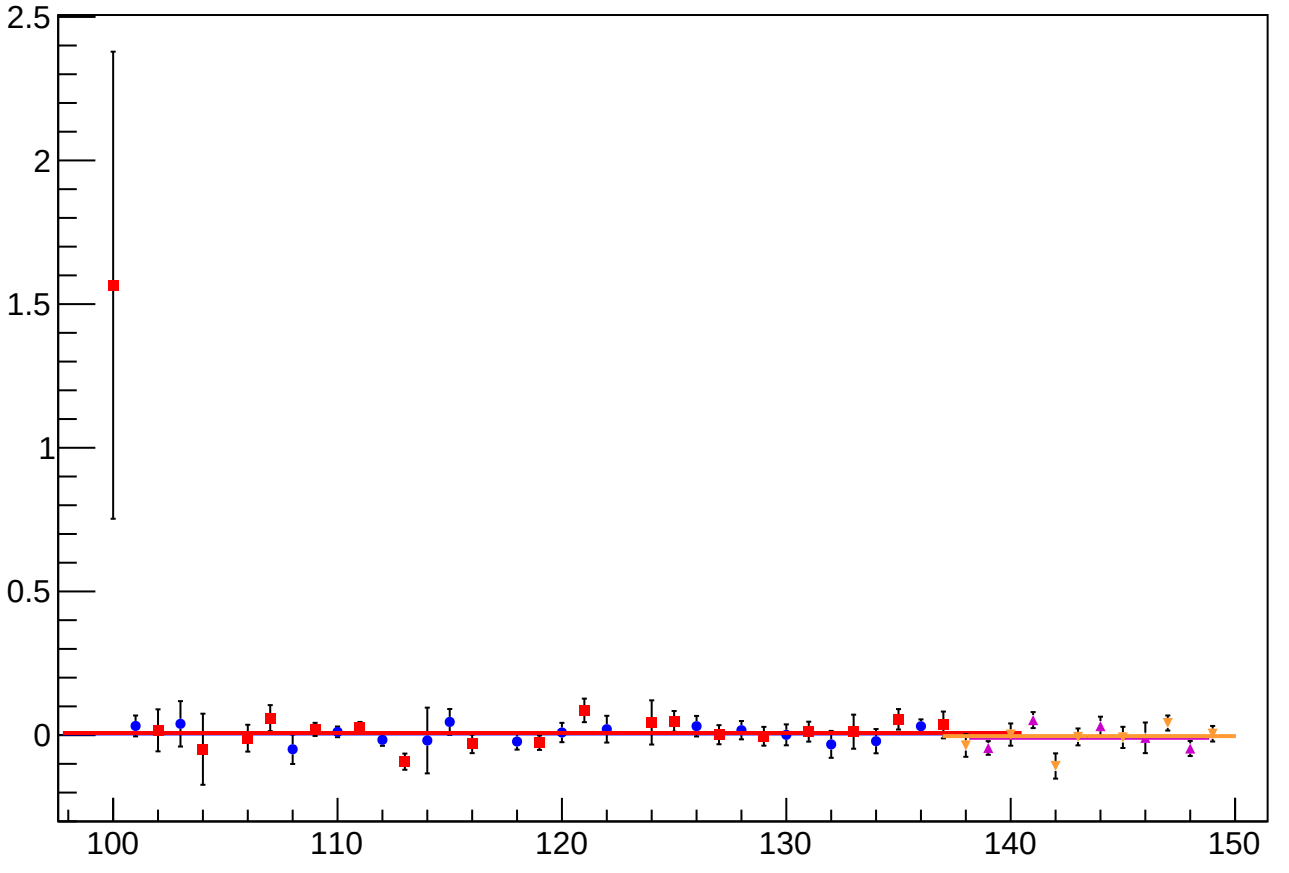
Left In: 0.000+/-0.000 χ^2/NDF:131500.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 2383342.0/22

All: 0.000+/-0.000 χ^2/NDF: 4650198.8/46

- sign 0.000+/-0.000 χ^2/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: -0.004+/-0.012 χ^2/NDF:9.4/6

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

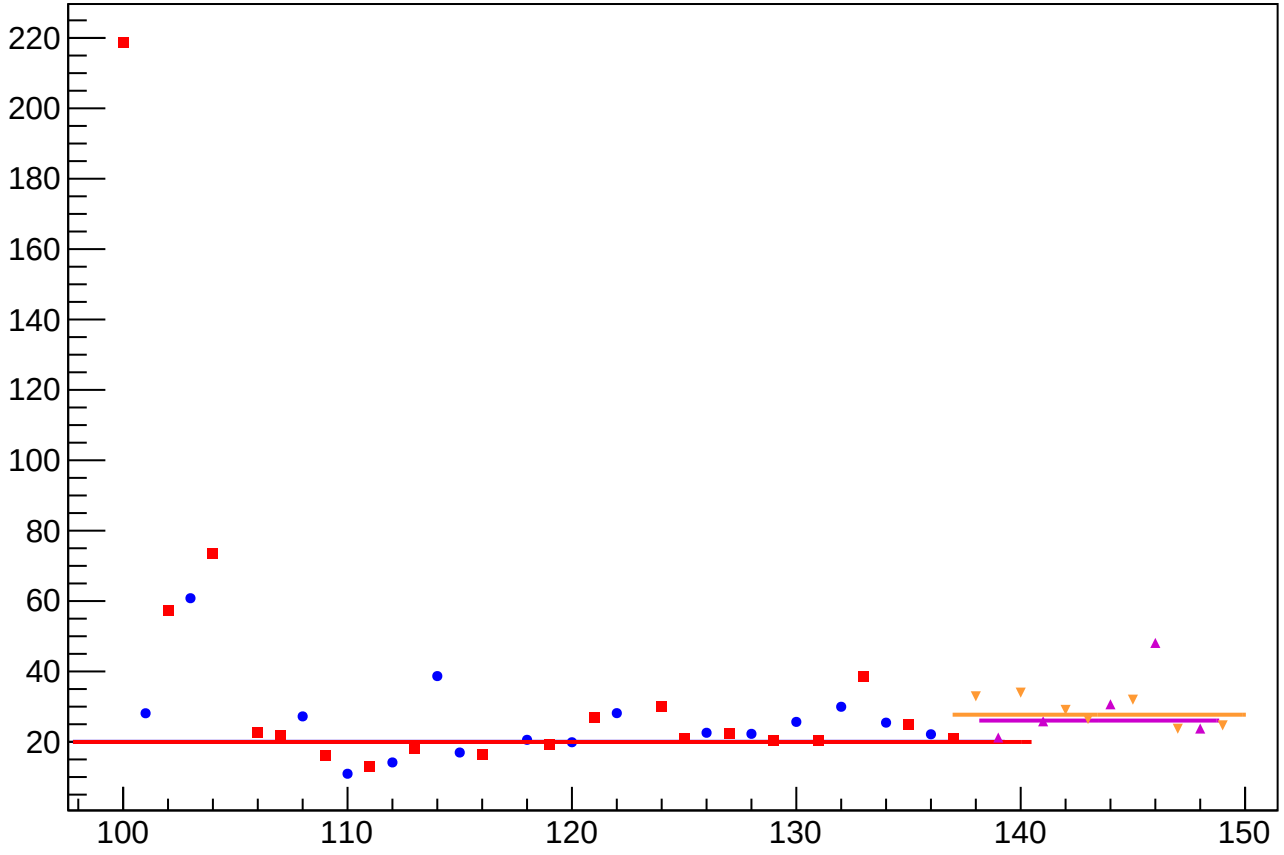
Left In: -0.009+/-0.013 χ^2/NDF:10.6/4

+ sign 0.003+/-0.007 χ^2/NDF: 17.7/22

All: 0.003+/-0.005 χ^2/NDF: 59.3/46

- 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: 27.711+/-0.009 χ^2/NDF:191087.2/6

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

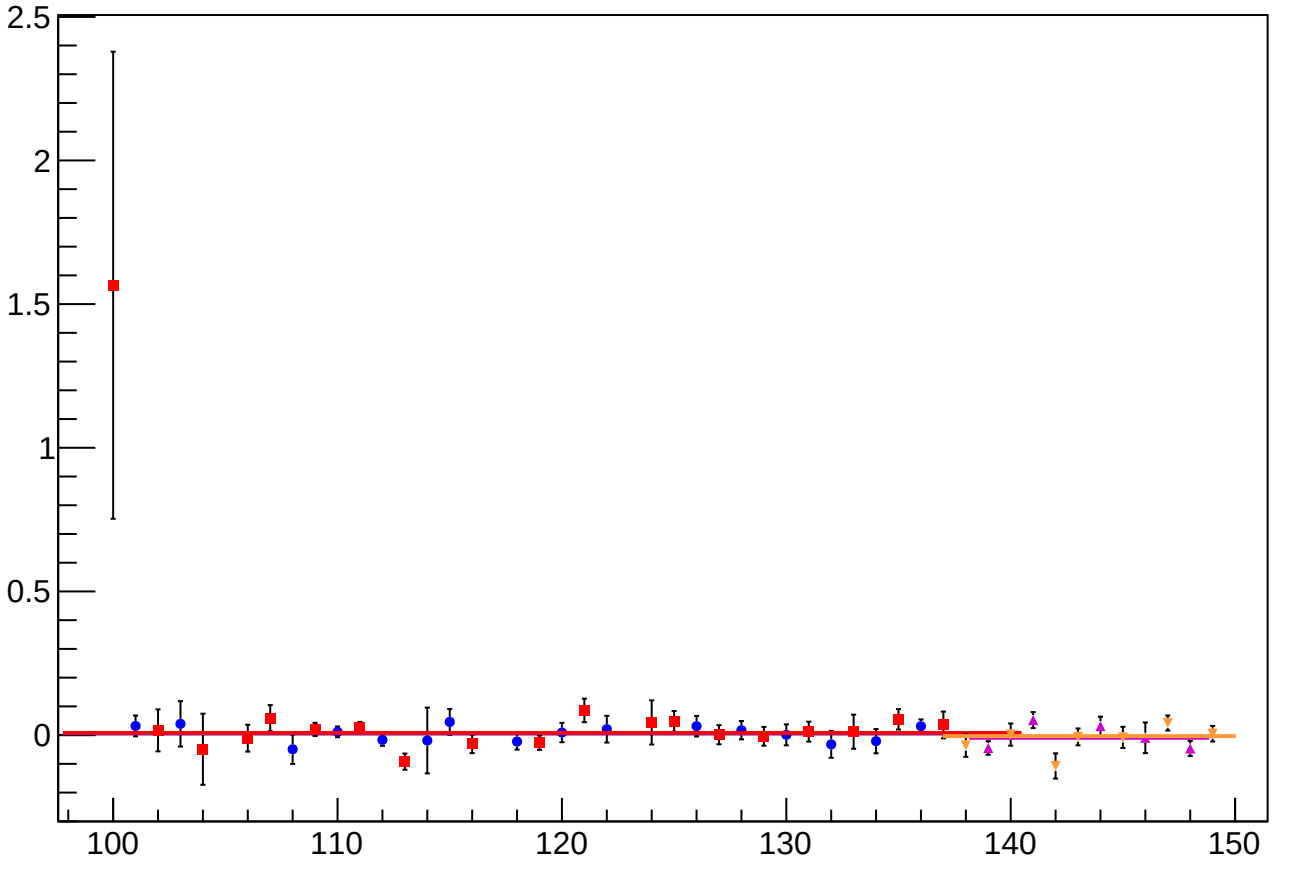
Left In: 26.043+/-0.009 χ^2/NDF:479501.3/4

+ sign 22.342+/-0.005 χ^2/NDF: 2373752.6/22

All: 21.991+/-0.003 χ^2/NDF: 4890835.0/46

- 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: -0.004+/-0.012 χ^2/NDF:9.4/6

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

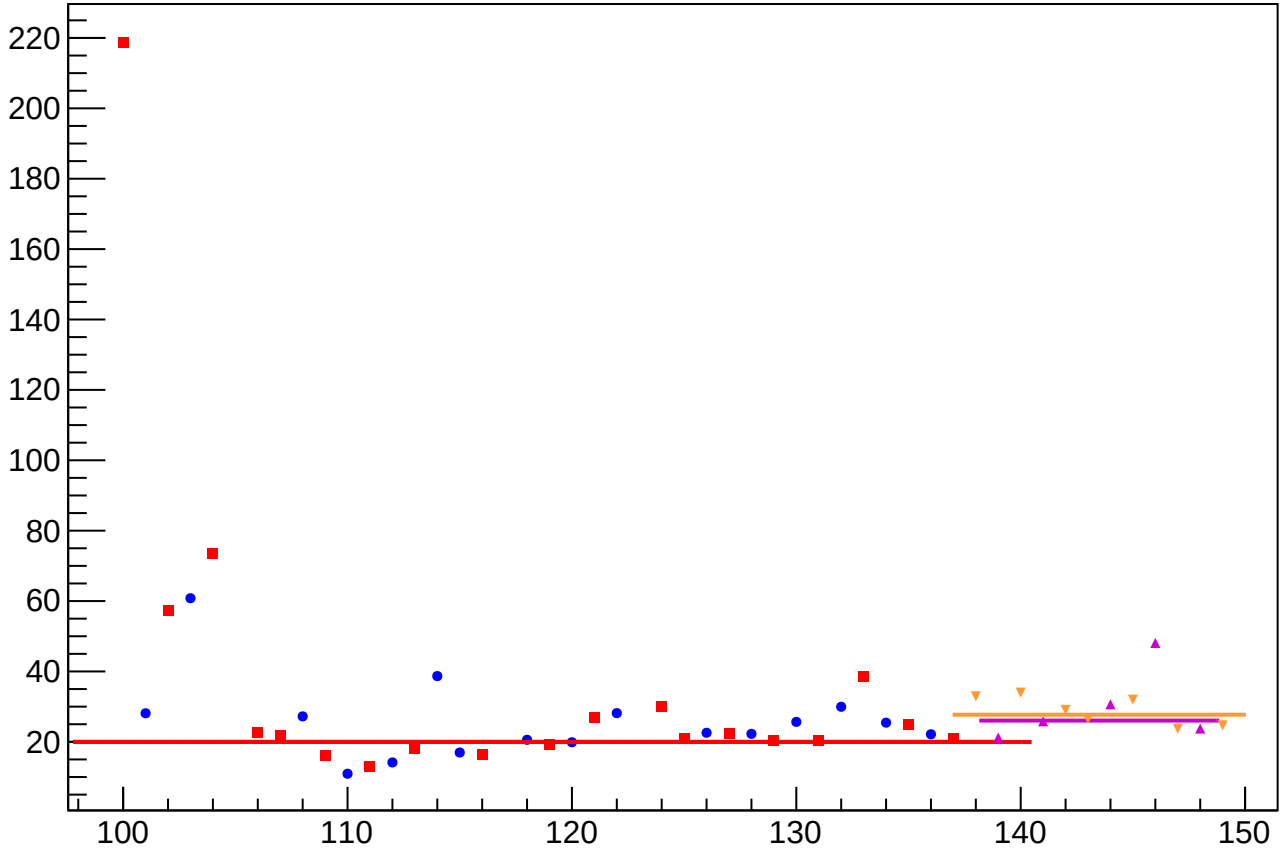
Left In: -0.009+/-0.013 χ^2/NDF:10.6/4

+ sign 0.003+/-0.007 χ^2/NDF: 17.7/22

All: 0.003+/-0.005 χ^2/NDF: 59.3/46

- 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: 27.711+/-0.009 χ^2/NDF:191087.2/6

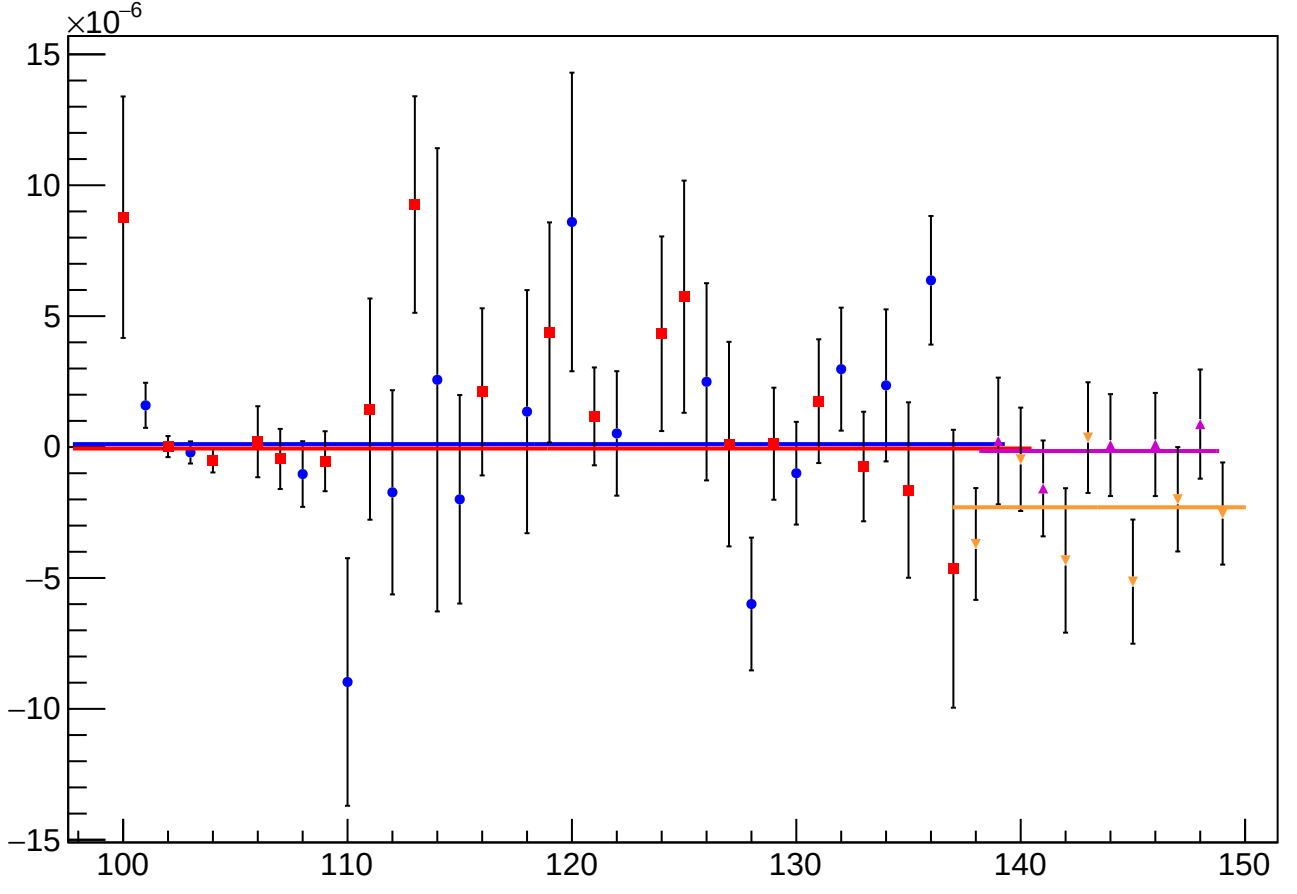
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.043+/-0.009 χ^2/NDF:479501.3/4

+ sign 22.342+/-0.005 χ^2/NDF: 2373752.6/22

All: 21.991+/-0.003 χ^2/NDF: 4890835.0/46

- 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:4.9/6

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

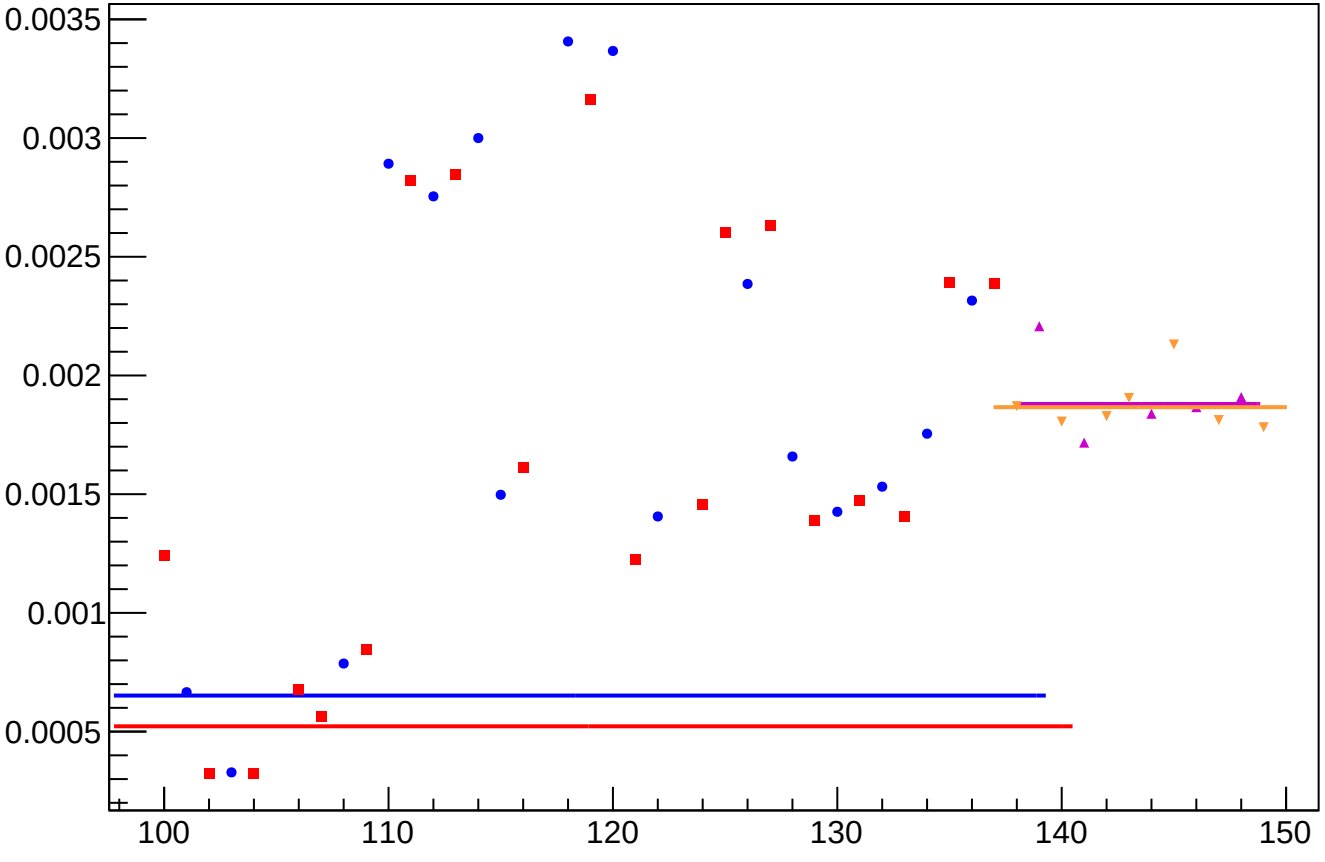
Left In: -0.000+/-0.000 χ^2/NDF:0.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 38.5/22

All: -0.000+/-0.000 χ^2/NDF: 56.7/46

- 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:32992.4/6

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

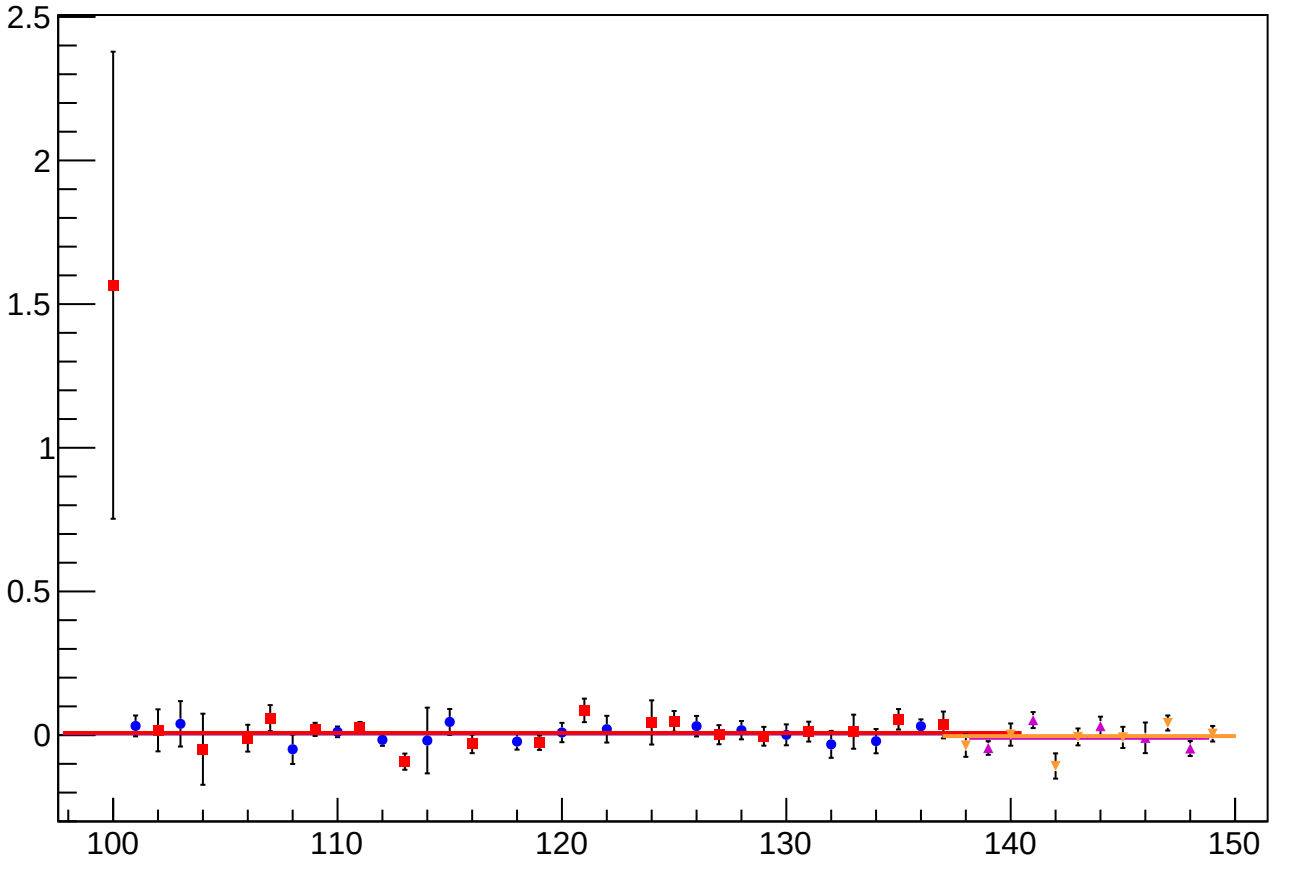
Left In: 0.002+/-0.000 χ^2/NDF:53772.1/4

+ sign 0.001+/-0.000 χ^2/NDF: 10235321.4/22

All: 0.001+/-0.000 χ^2/NDF: 21638041.2/46

- 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: -0.004+/-0.012 χ^2/NDF:9.4/6

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

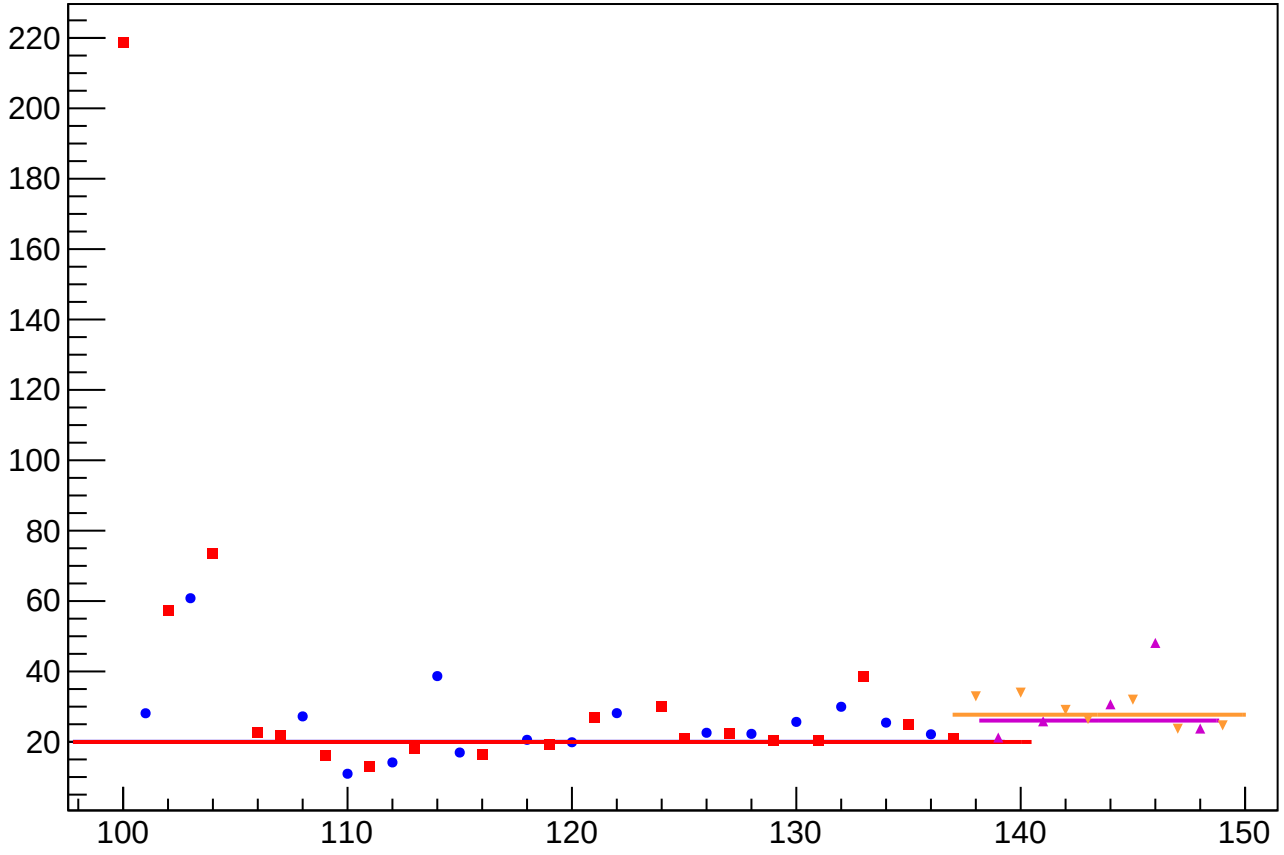
Left In: -0.009+/-0.013 χ^2/NDF:10.6/4

+ sign 0.003+/-0.007 χ^2/NDF: 17.7/22

All: 0.003+/-0.005 χ^2/NDF: 59.3/46

- 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: 27.711+/-0.009 χ^2/NDF:191108.1/6

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

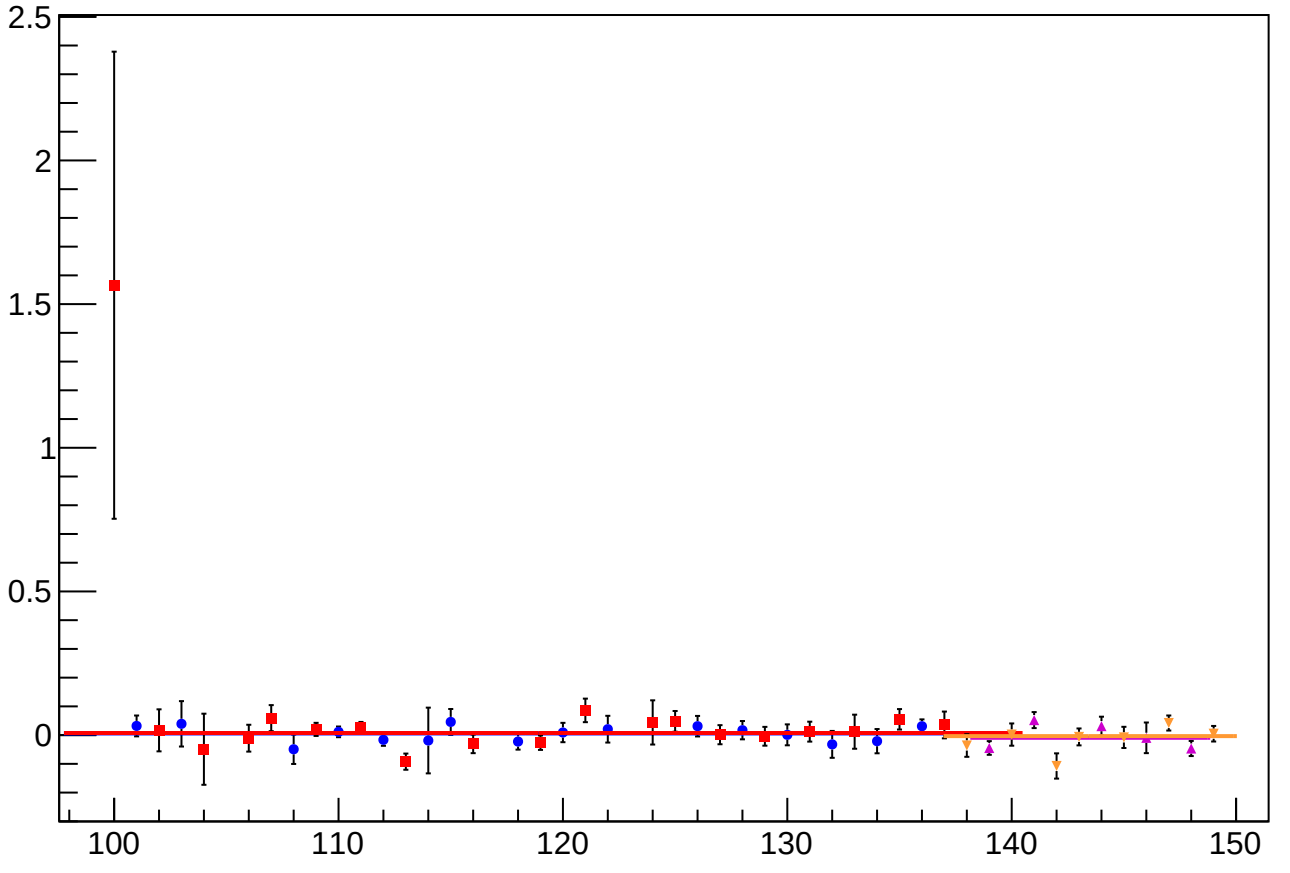
Left In: 26.043+/-0.009 χ^2/NDF:479509.8/4

+ sign 22.342+/-0.005 χ^2/NDF: 2373526.3/22

All: 21.992+/-0.003 χ^2/NDF: 4890544.7/46

- 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: -0.004+/-0.012 χ^2/NDF:9.4/6

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

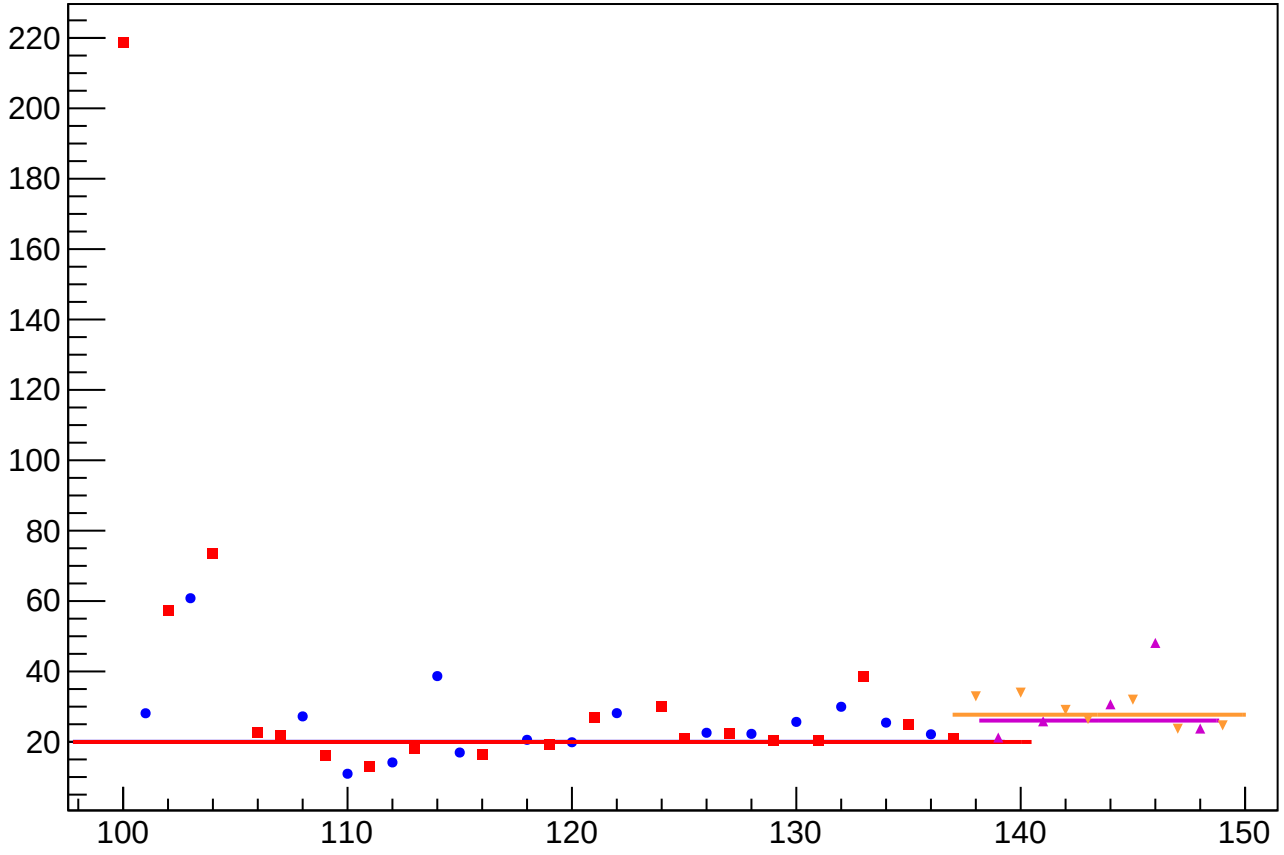
Left In: -0.009+/-0.013 χ^2/NDF:10.6/4

+ sign 0.003+/-0.007 χ^2/NDF: 17.7/22

All: 0.003+/-0.005 χ^2/NDF: 59.3/46

- 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: 27.711+/-0.009 χ^2/NDF:191108.1/6

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

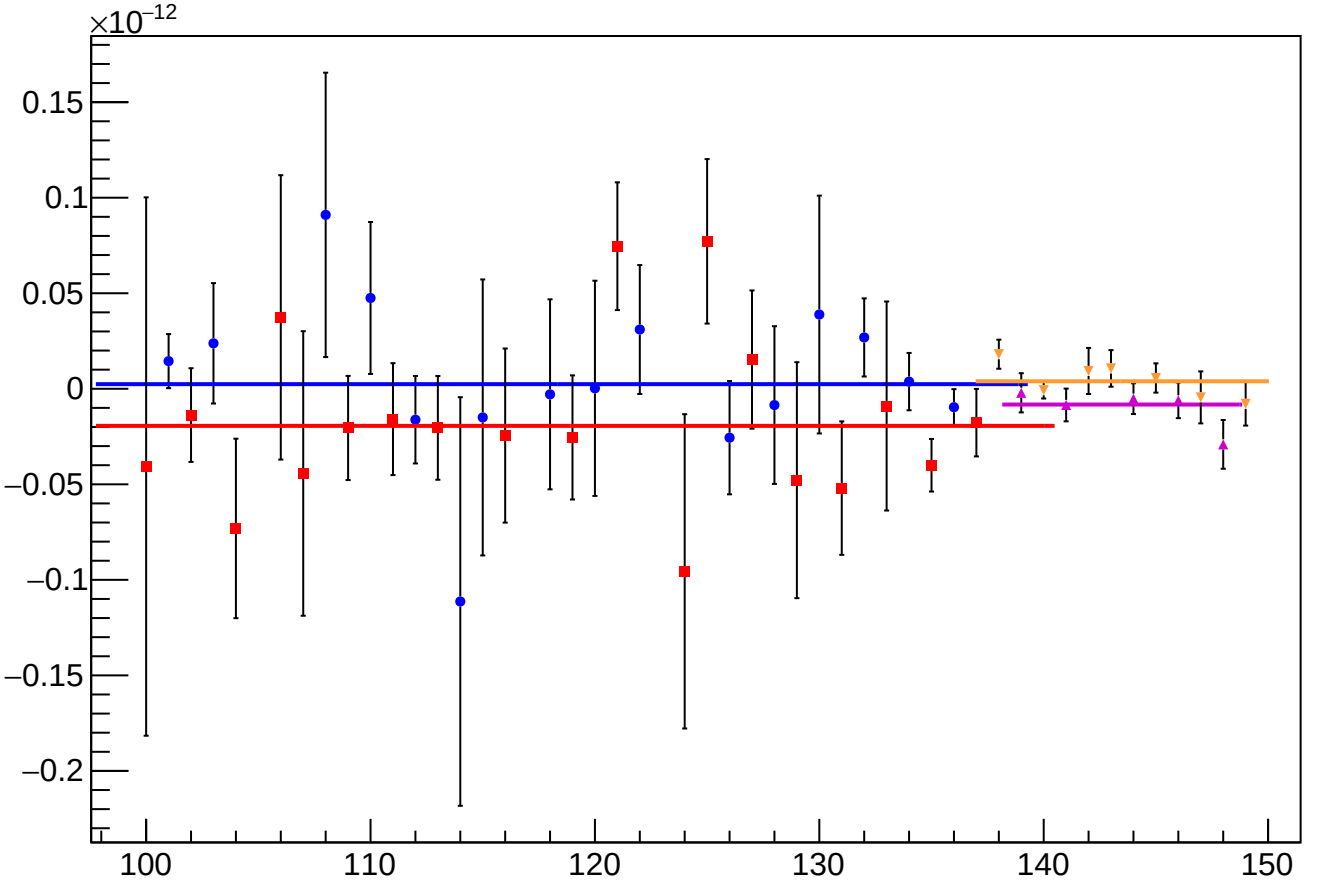
Left In: 26.043+/-0.009 χ^2/NDF:479509.8/4

+ sign 22.342+/-0.005 χ^2/NDF: 2373526.3/22

All: 21.992+/-0.003 χ^2/NDF: 4890544.7/46

- sign 21.633+/-0.005 χ^2/NDF: 2506332.9/23

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/6

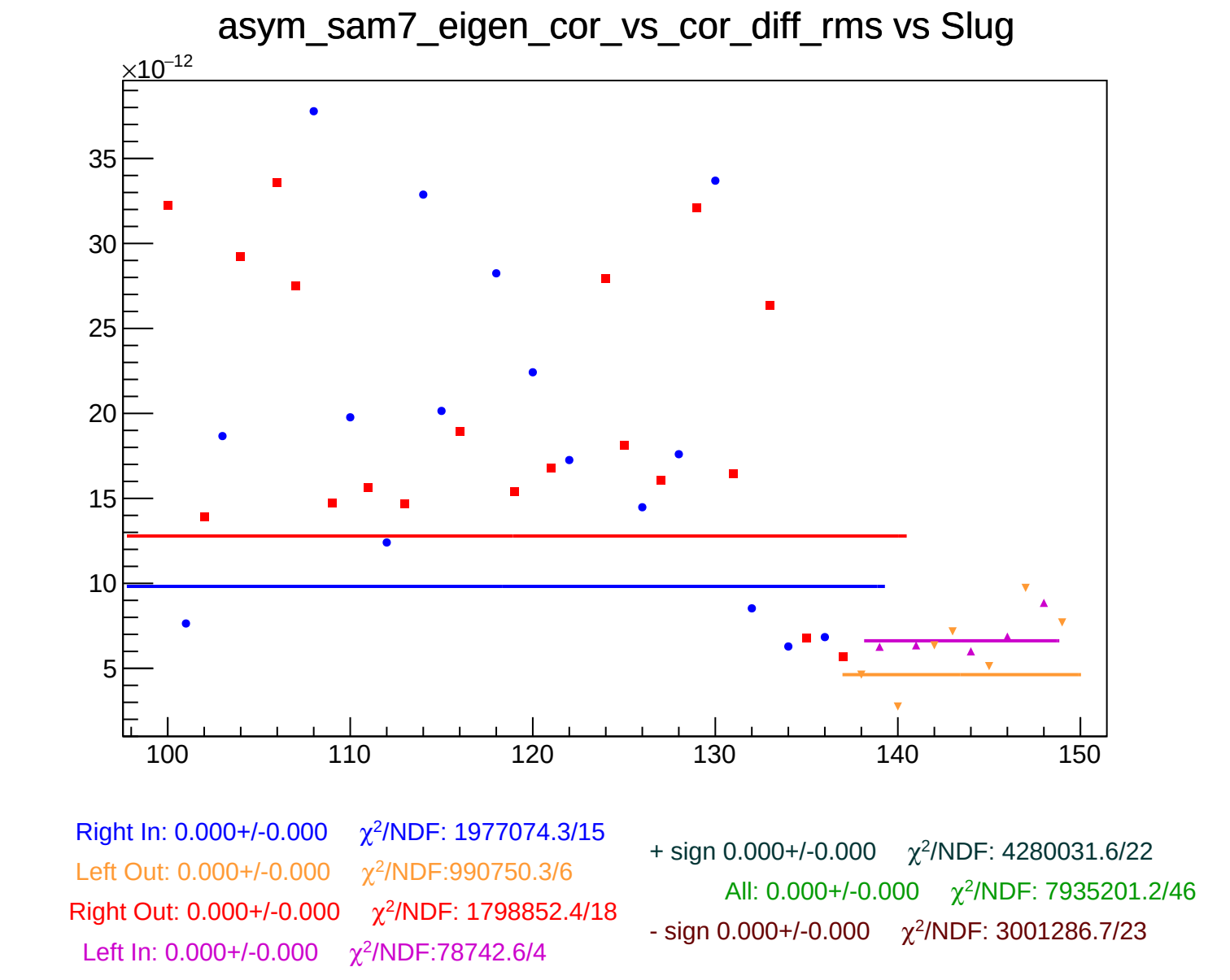
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 17.7/22

All: -0.000+/-0.000 χ^2/NDF: 54.1/46

- sign -0.000+/-0.000 χ^2/NDF: 25.3/23


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻¹²
35
30
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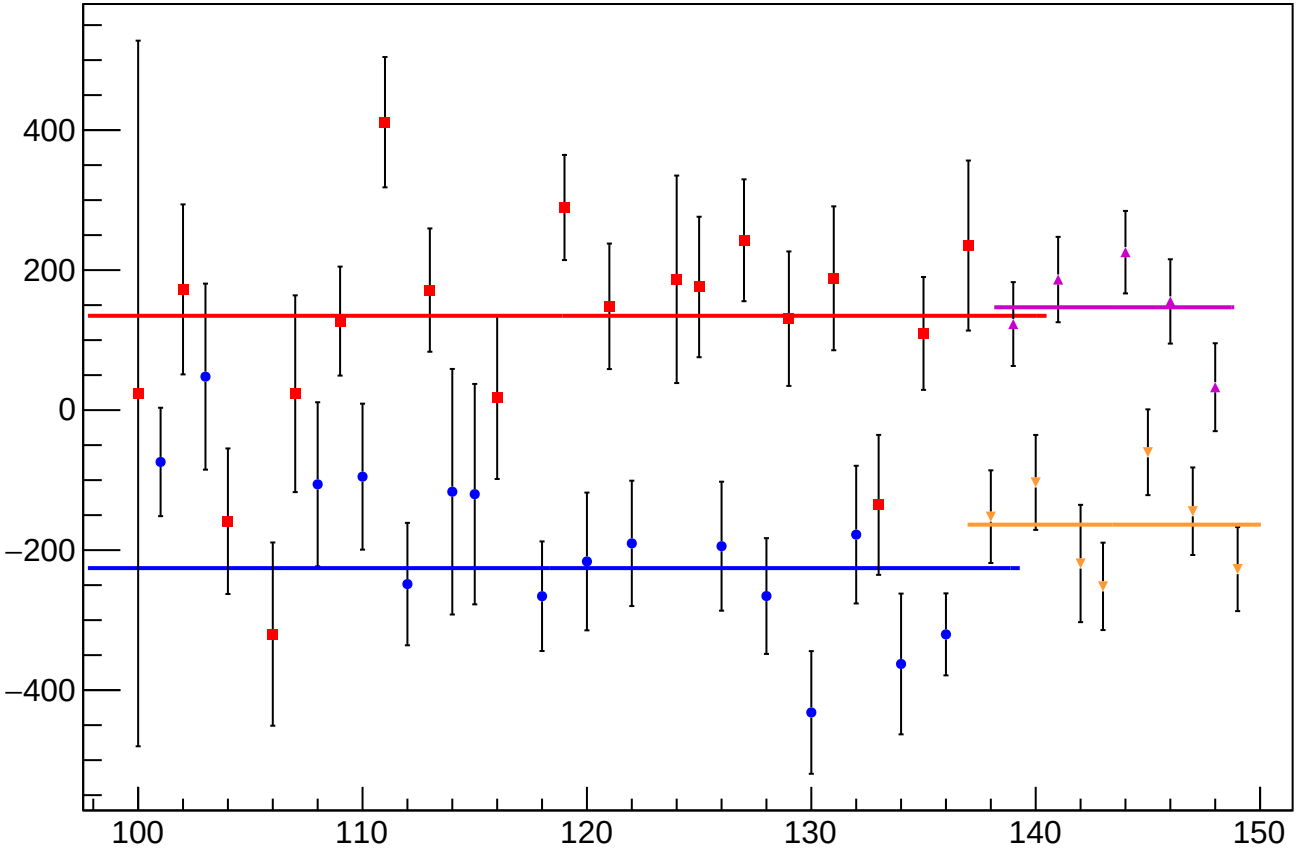
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:990750.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:78742.6/4
+ sign 0.000+/-0.000 χ²/NDF: 4280031.6/22
All: 0.000+/-0.000 χ²/NDF: 7935201.2/46
- sign 0.000+/-0.000 χ²/NDF: 3001286.7/23

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -163.584+/-24.656 χ^2/NDF:7.3/6

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

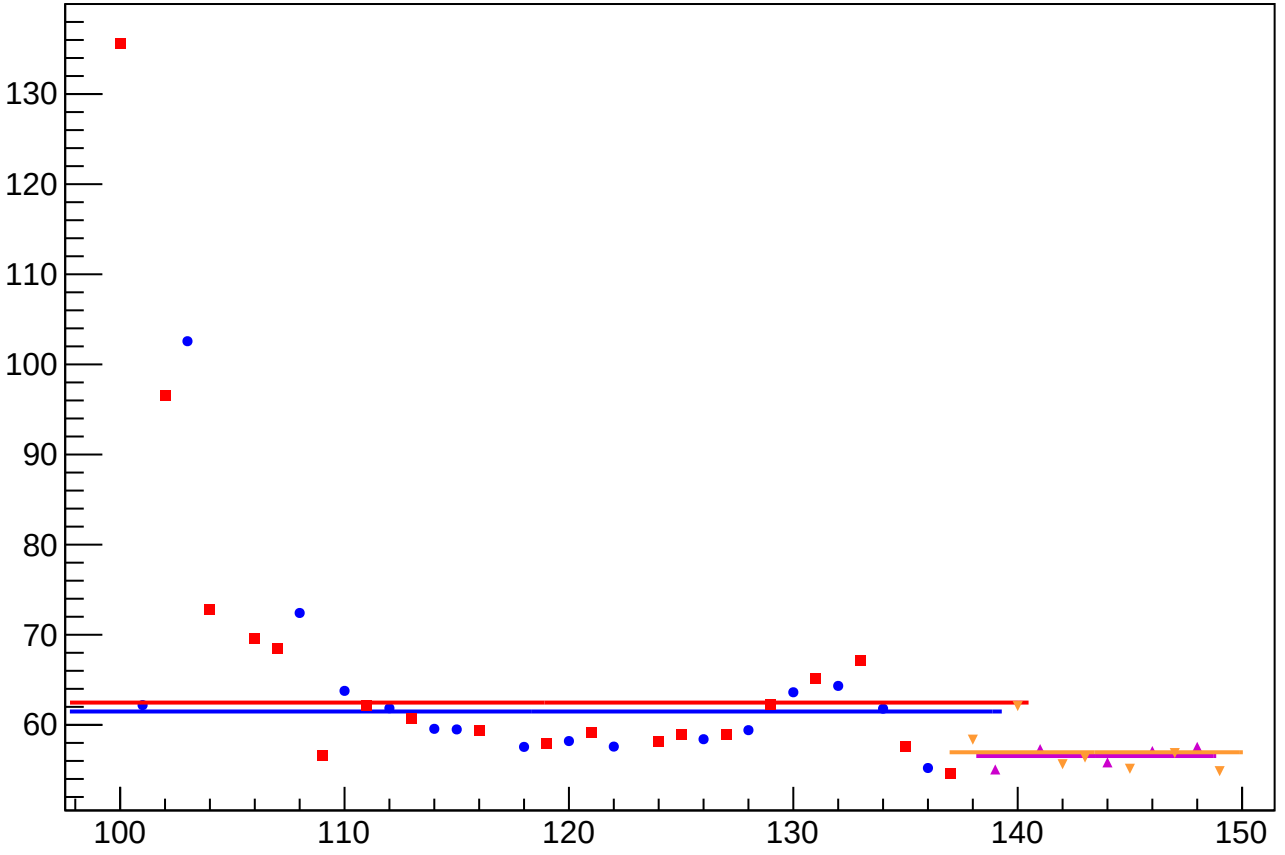
Left In: 146.915+/-27.067 χ^2/NDF:5.7/4

+ sign -196.635+/-16.865 χ^2/NDF: 33.3/22

All: -35.647+/-12.181 χ^2/NDF: 274.9/46

- 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: 56.962+/-0.017 χ^2/NDF:17219.0/6

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

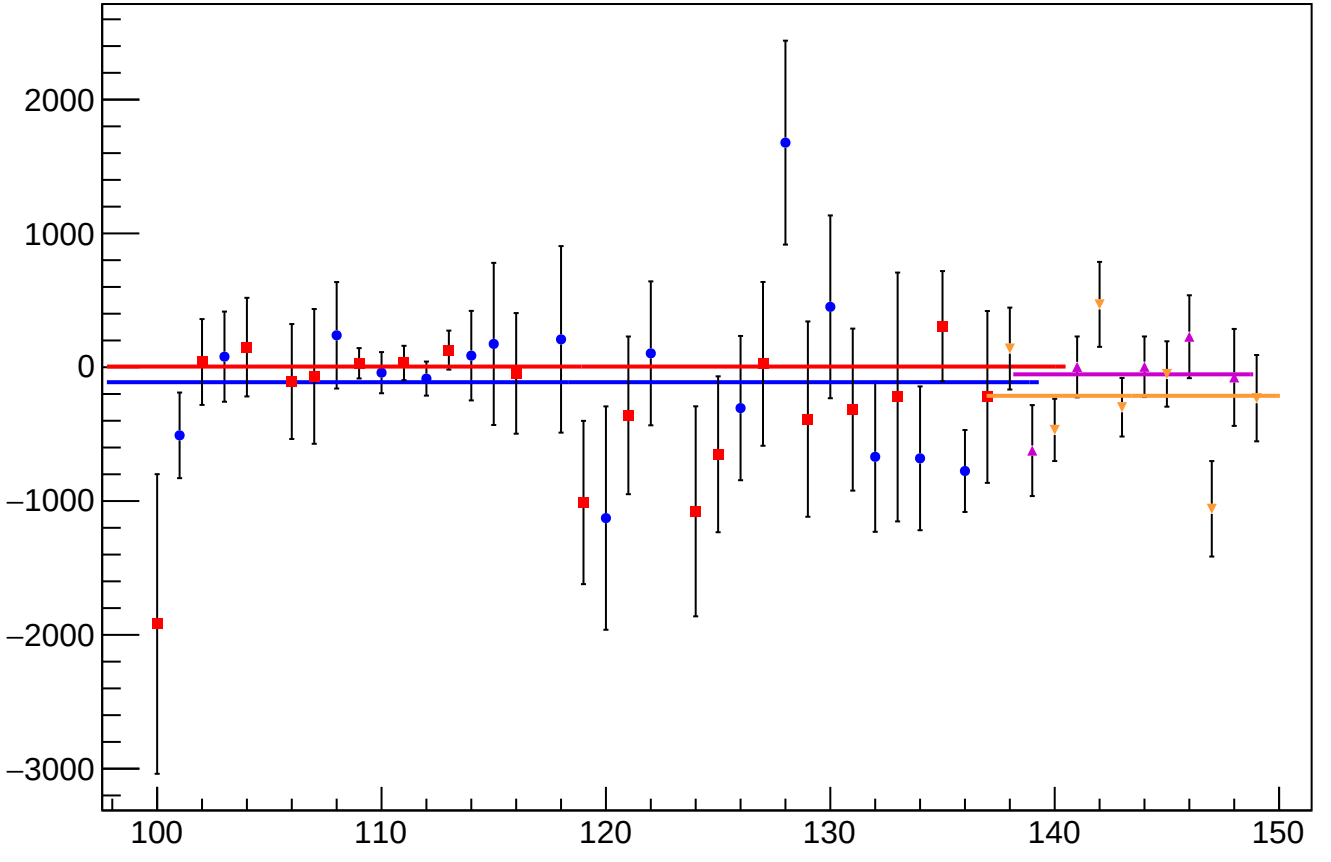
Left In: 56.546+/-0.019 χ^2/NDF:2538.1/4

+ sign 59.369+/-0.012 χ^2/NDF: 303722.8/22

All: 59.654+/-0.009 χ^2/NDF: 643959.6/46

- 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: -213.580+/-103.057 χ^2/NDF:13.4/6

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

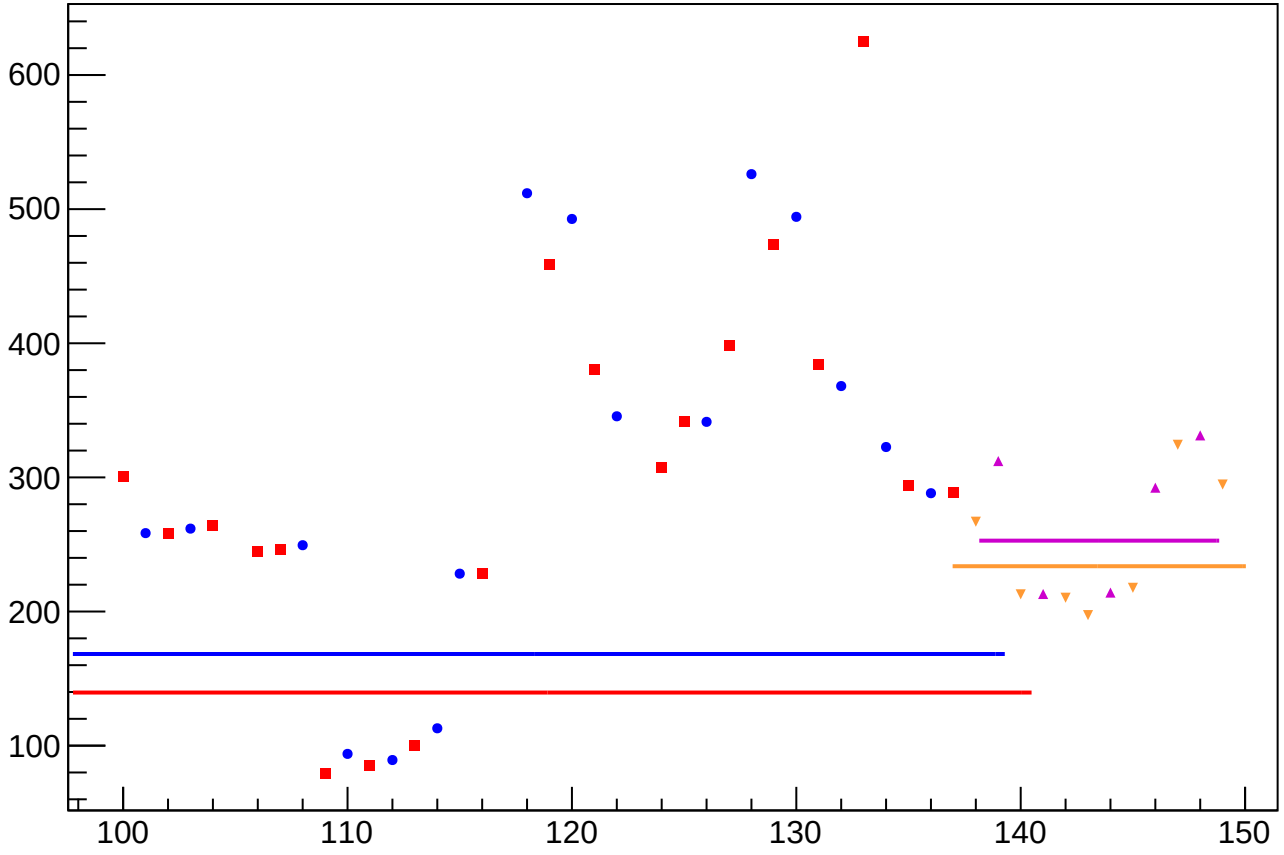
Left In: -53.099+/-123.520 χ^2/NDF:3.8/4

+ sign -147.838+/-61.277 χ^2/NDF: 32.5/22

All: -72.254+/-41.648 χ^2/NDF: 50.9/46

- 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: 233.775+/-0.073 χ^2/NDF:315025.6/6

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

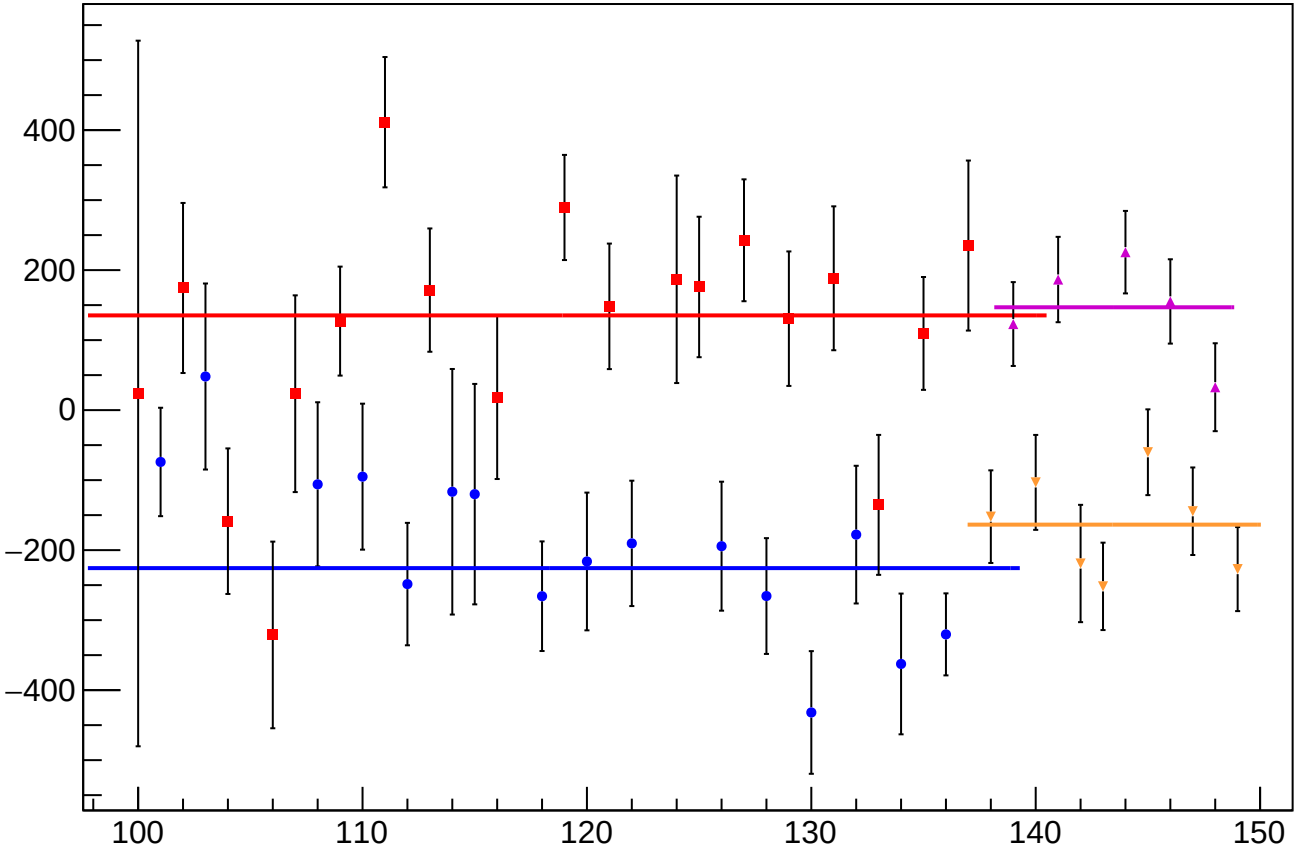
Left In: 252.841+/-0.087 χ^2/NDF:307001.6/4

+ sign 191.467+/-0.043 χ^2/NDF: 5380479.2/22

All: 176.431+/-0.029 χ^2/NDF: 12391385.4/46

- sign 163.522+/-0.040 χ^2/NDF: 6787094.3/23

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -163.580+/-24.656 χ^2/NDF:7.3/6

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

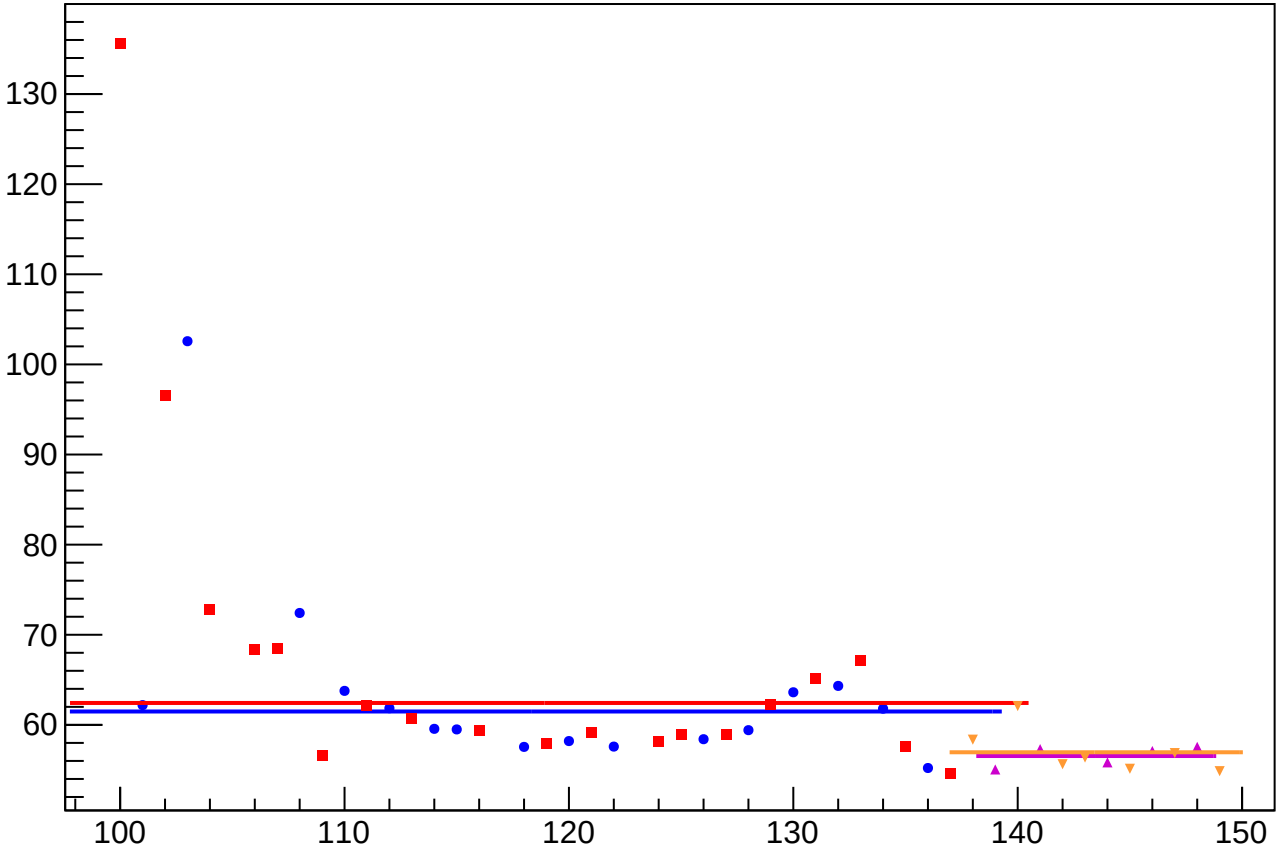
Left In: 146.912+/-27.067 χ^2/NDF:5.7/4

+ sign -196.633+/-16.865 χ^2/NDF: 33.3/22

All: -35.549+/-12.182 χ^2/NDF: 274.8/46

- 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: 56.962+/-0.017 χ^2/NDF:17219.0/6

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

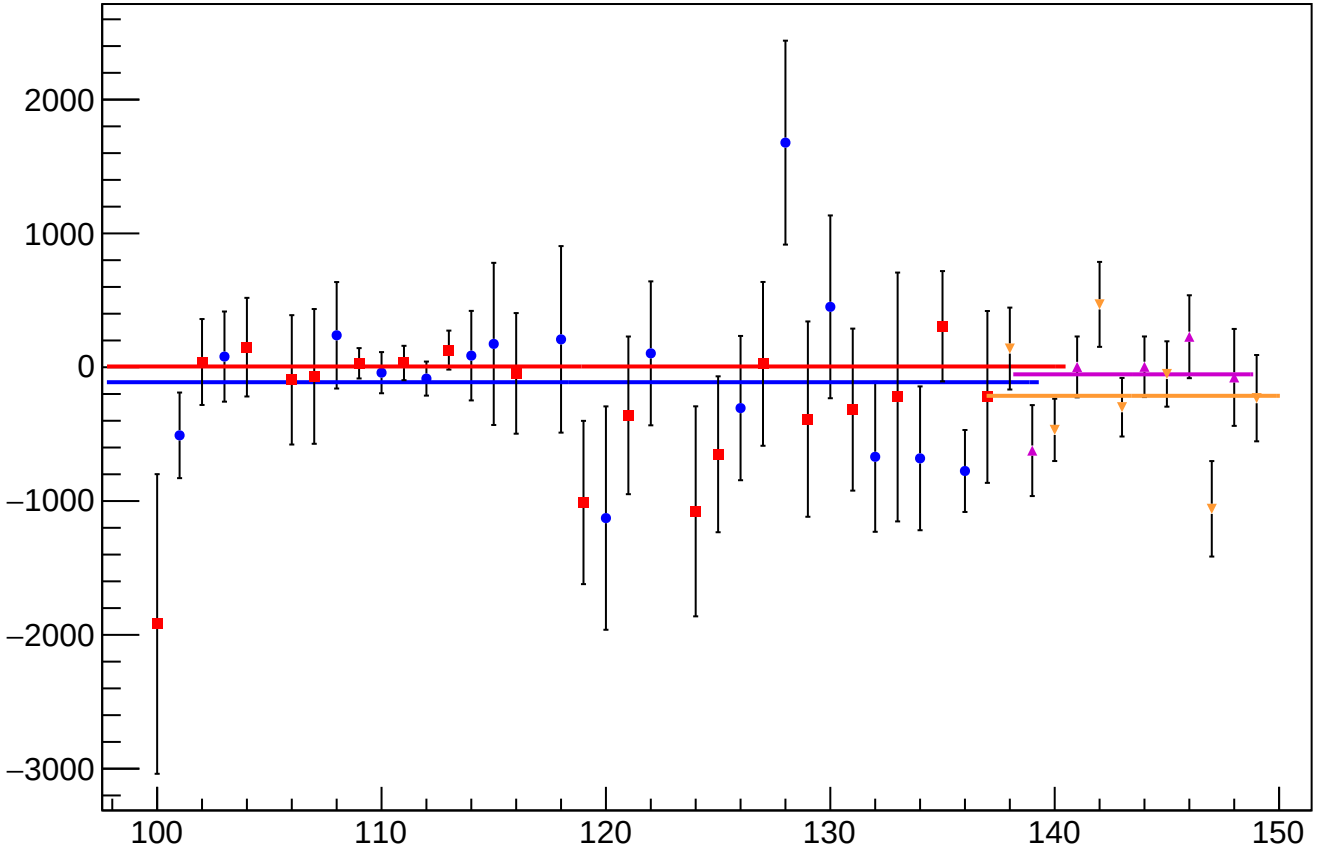
Left In: 56.546+/-0.019 χ^2/NDF:2538.1/4

+ sign 59.369+/-0.012 χ^2/NDF: 303725.4/22

All: 59.642+/-0.009 χ^2/NDF: 641290.3/46

- 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: -213.577+/-103.057 χ^2/NDF:13.4/6

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

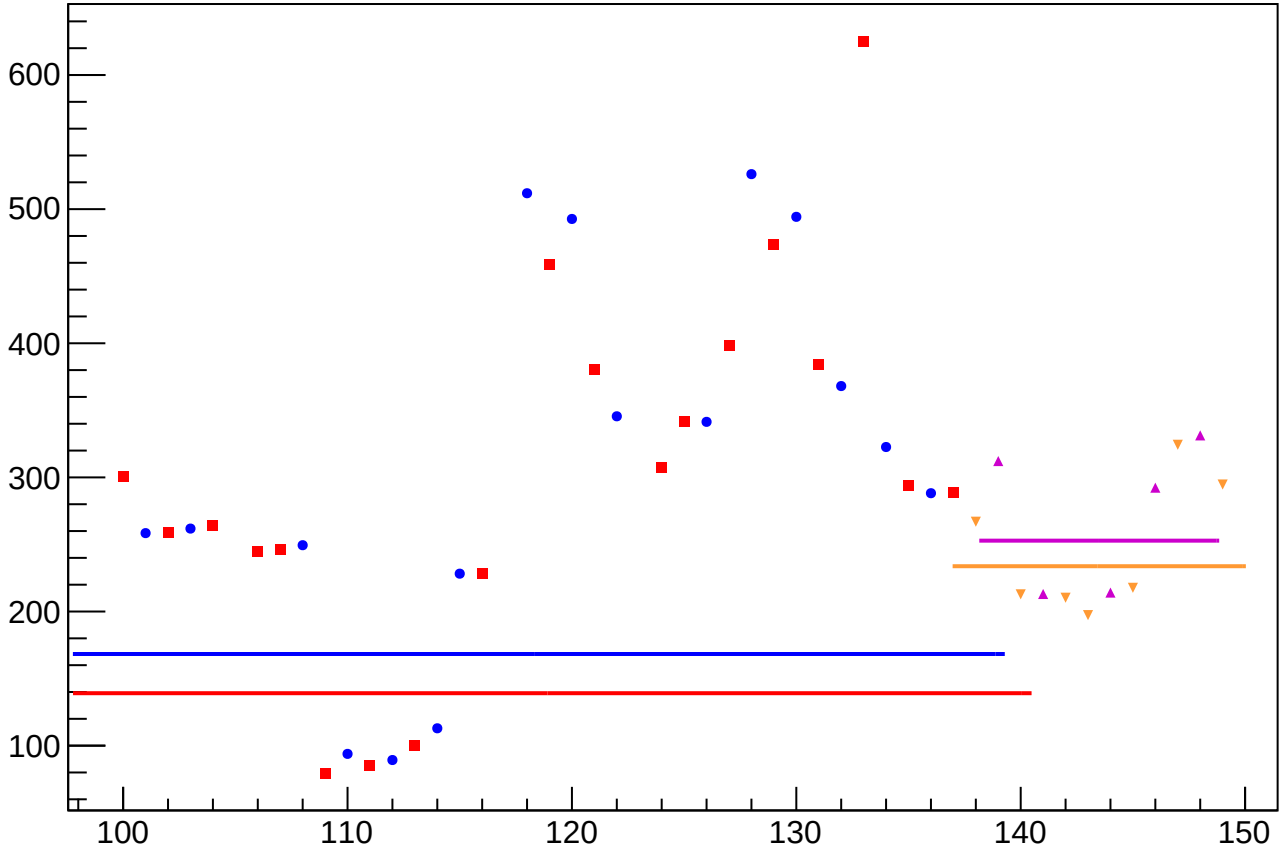
Left In: -53.097+/-123.520 χ^2/NDF:3.8/4

+ sign -147.826+/-61.277 χ^2/NDF: 32.5/22

All: -72.097+/-41.690 χ^2/NDF: 50.8/46

- 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: 233.775+/-0.073 χ^2/NDF:315025.9/6

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

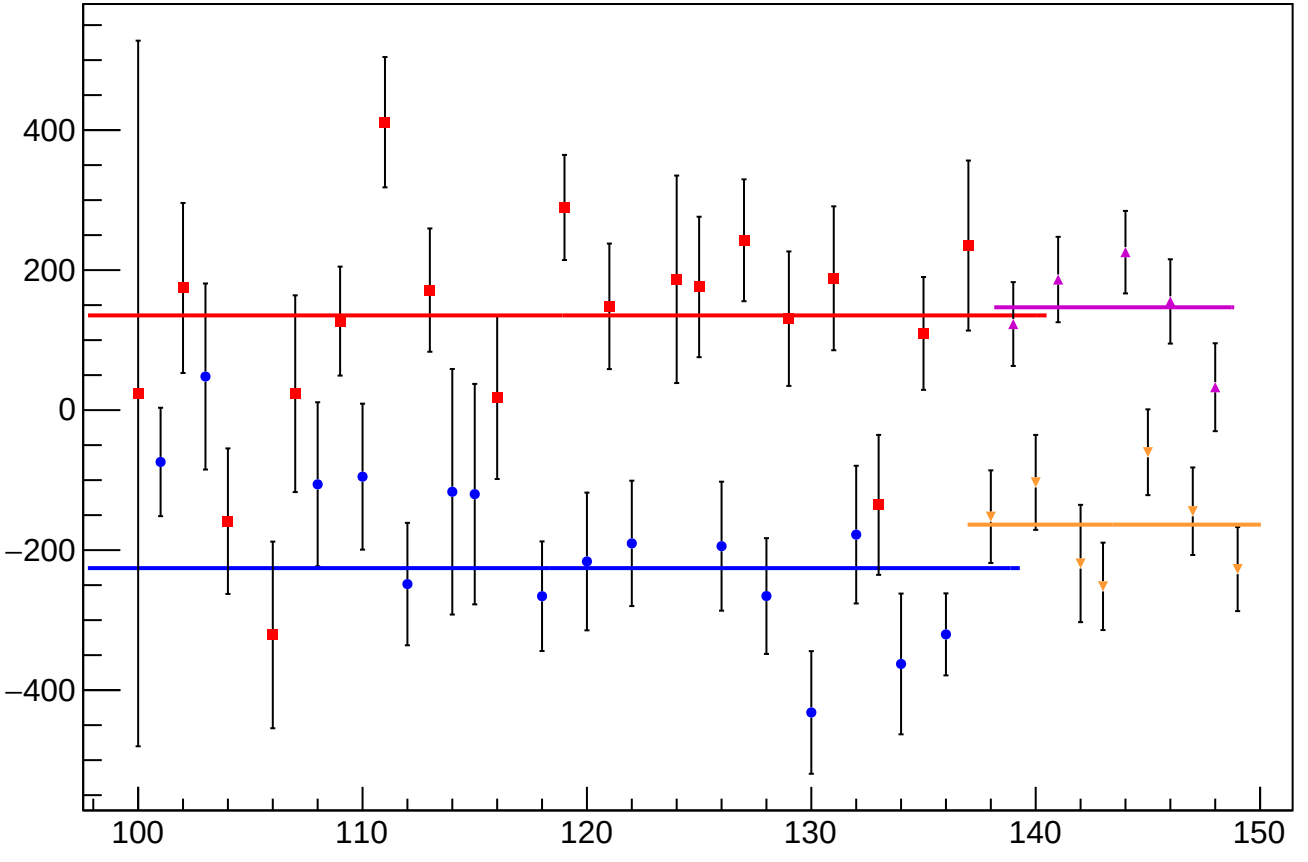
Left In: 252.841+/-0.087 χ^2/NDF:307001.1/4

+ sign 191.467+/-0.043 χ^2/NDF: 5380524.3/22

All: 176.299+/-0.029 χ^2/NDF: 12381778.0/46

- 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: -163.580+/-24.656 χ^2/NDF:7.3/6

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

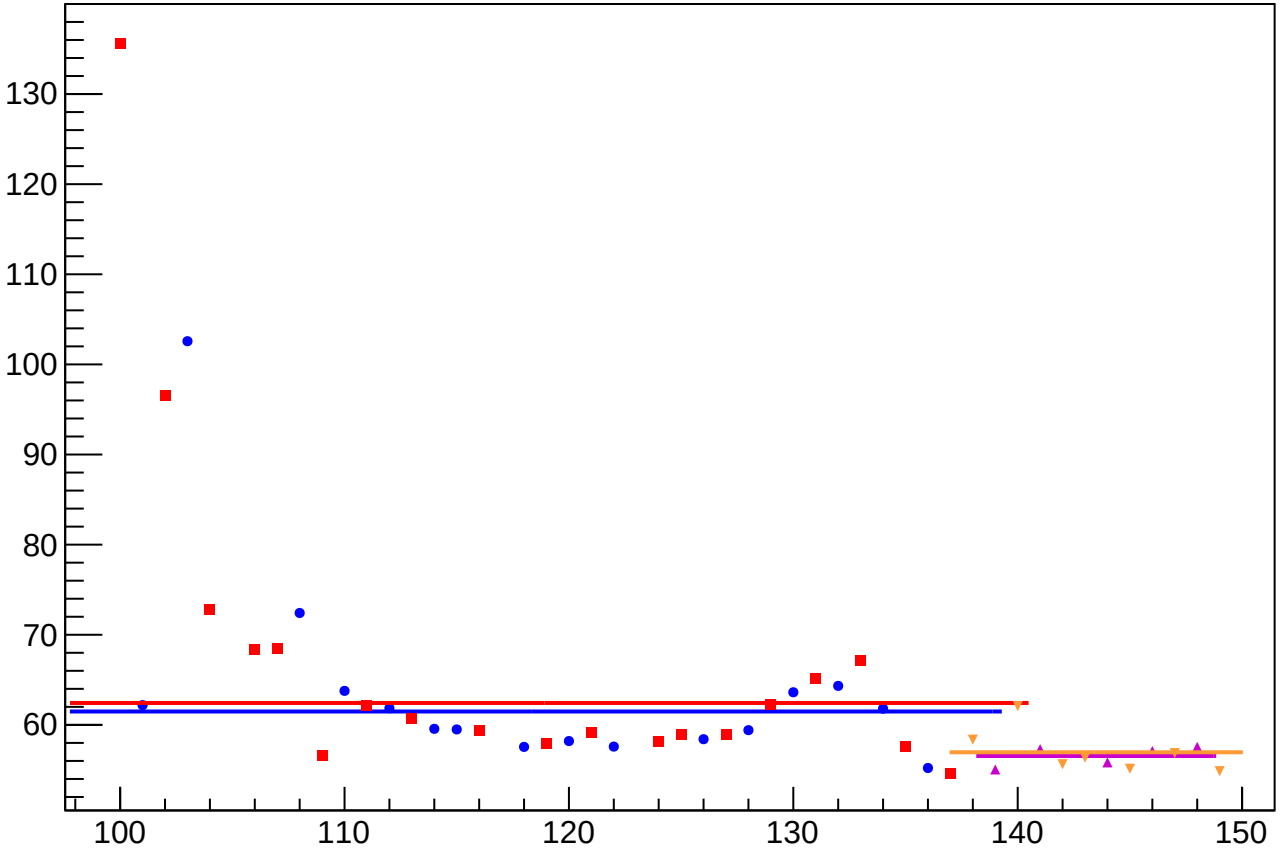
Left In: 146.912+/-27.067 χ^2/NDF:5.7/4

+ sign -196.633+/-16.865 χ^2/NDF: 33.3/22

All: -35.549+/-12.182 χ^2/NDF: 274.8/46

- 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: 56.962+/-0.017 χ^2/NDF:17219.0/6

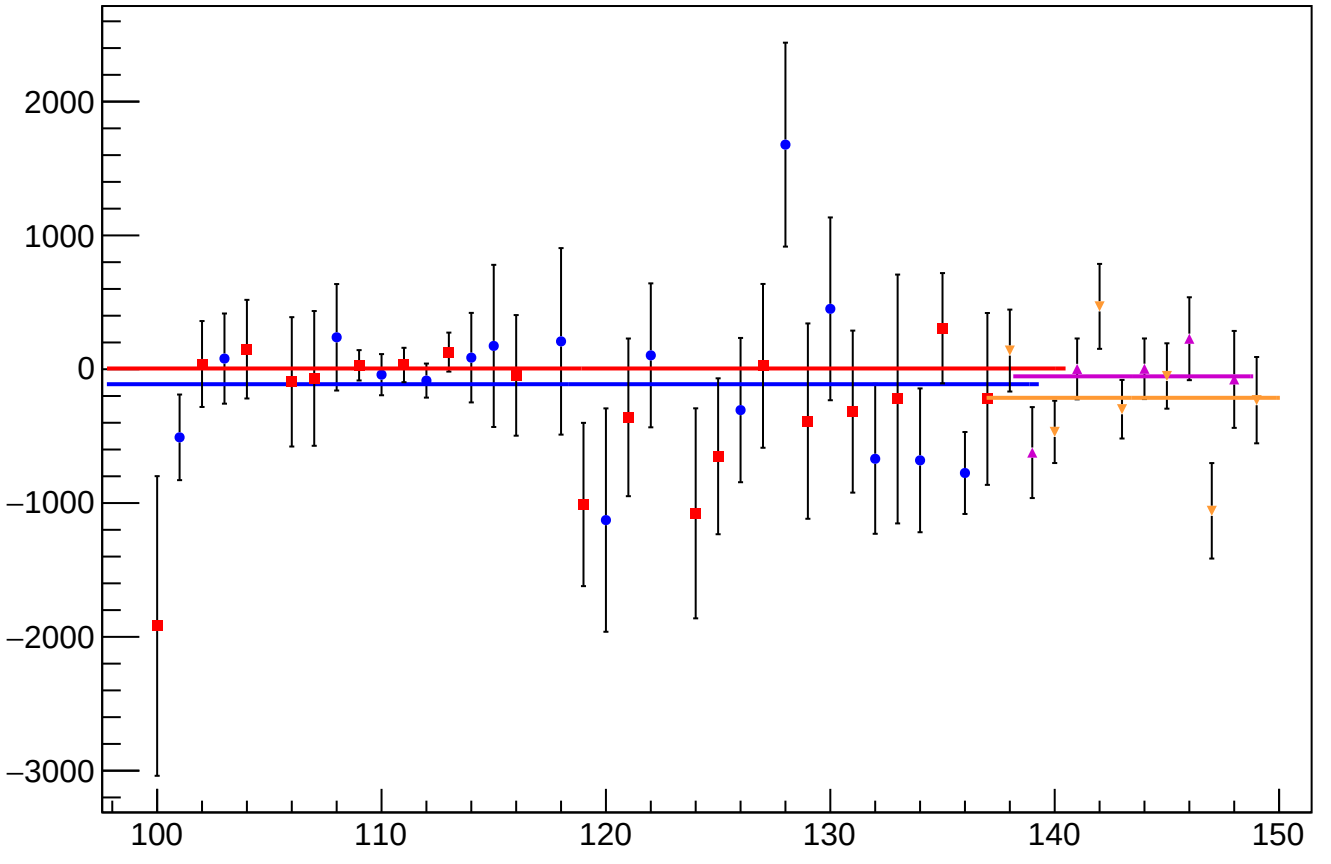
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.546+/-0.019 χ^2/NDF:2538.1/4

+ sign 59.369+/-0.012 χ^2/NDF: 303725.4/22

All: 59.642+/-0.009 χ^2/NDF: 641290.3/46

- 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: -213.577+/-103.057 χ^2/NDF:13.4/6

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

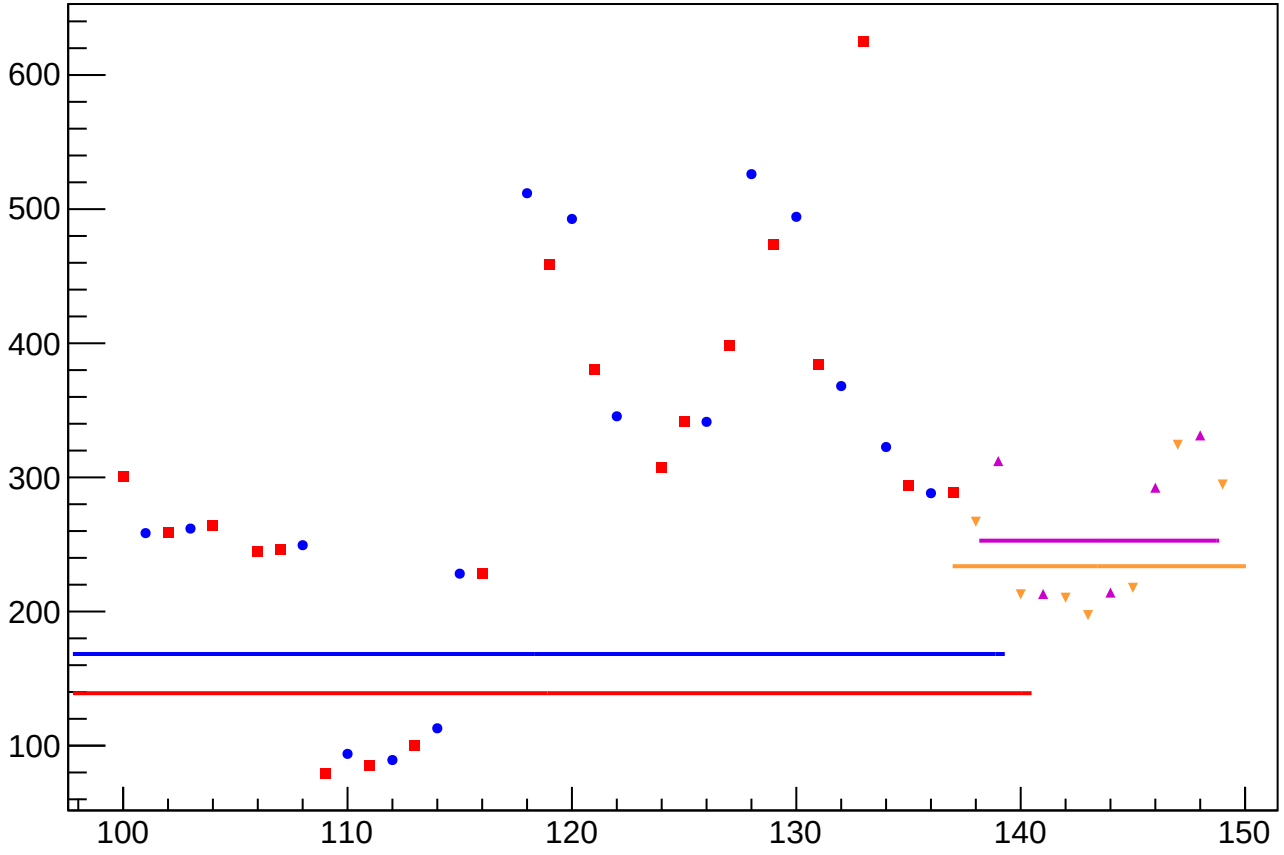
Left In: -53.097+/-123.520 χ^2/NDF:3.8/4

+ sign -147.826+/-61.277 χ^2/NDF: 32.5/22

All: -72.097+/-41.690 χ^2/NDF: 50.8/46

- 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: 233.775+/-0.073 χ^2/NDF:315025.9/6

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

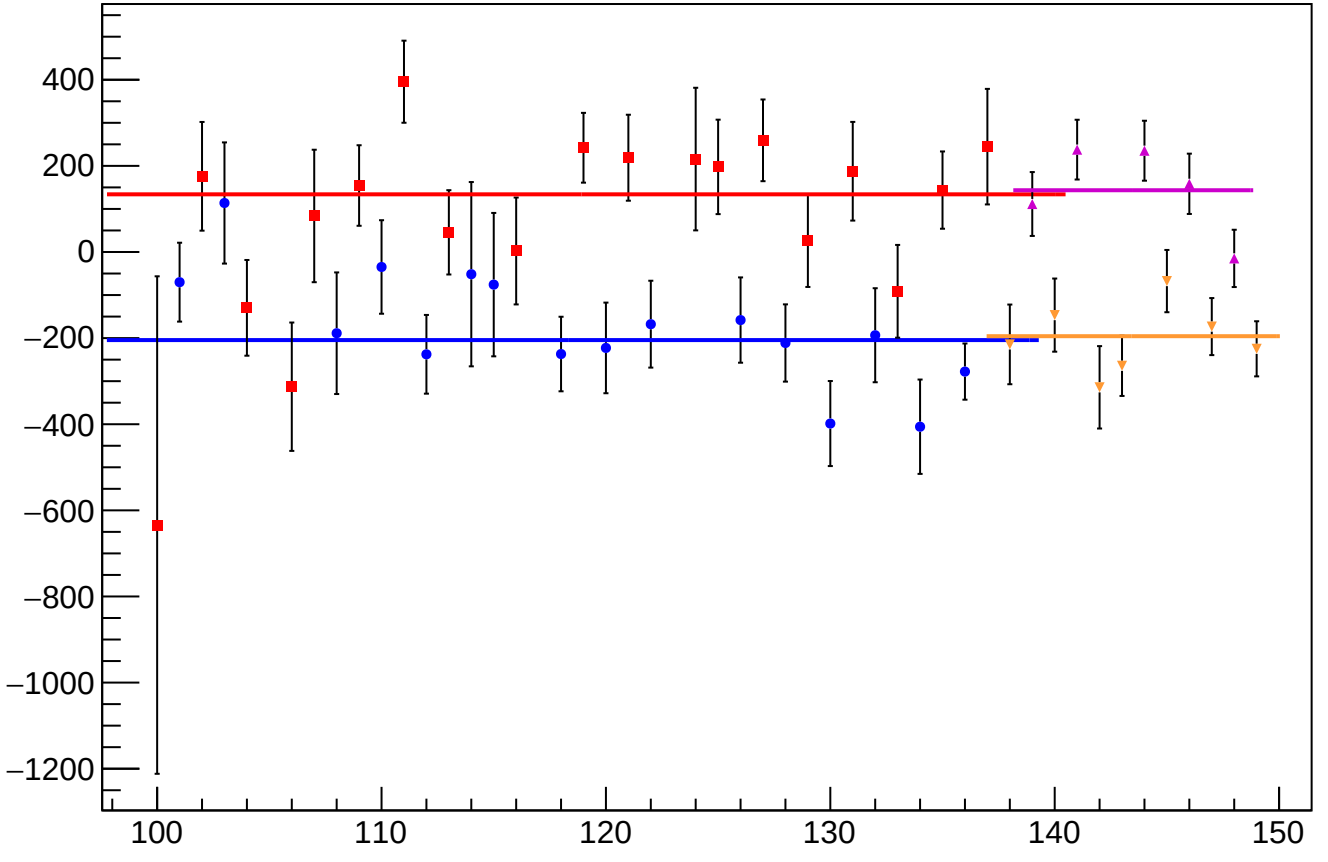
Left In: 252.841+/-0.087 χ^2/NDF:307001.1/4

+ sign 191.467+/-0.043 χ^2/NDF: 5380524.3/22

All: 176.299+/-0.029 χ^2/NDF: 12381778.0/46

- 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: -195.544+/-28.493 χ^2/NDF:6.3/6

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

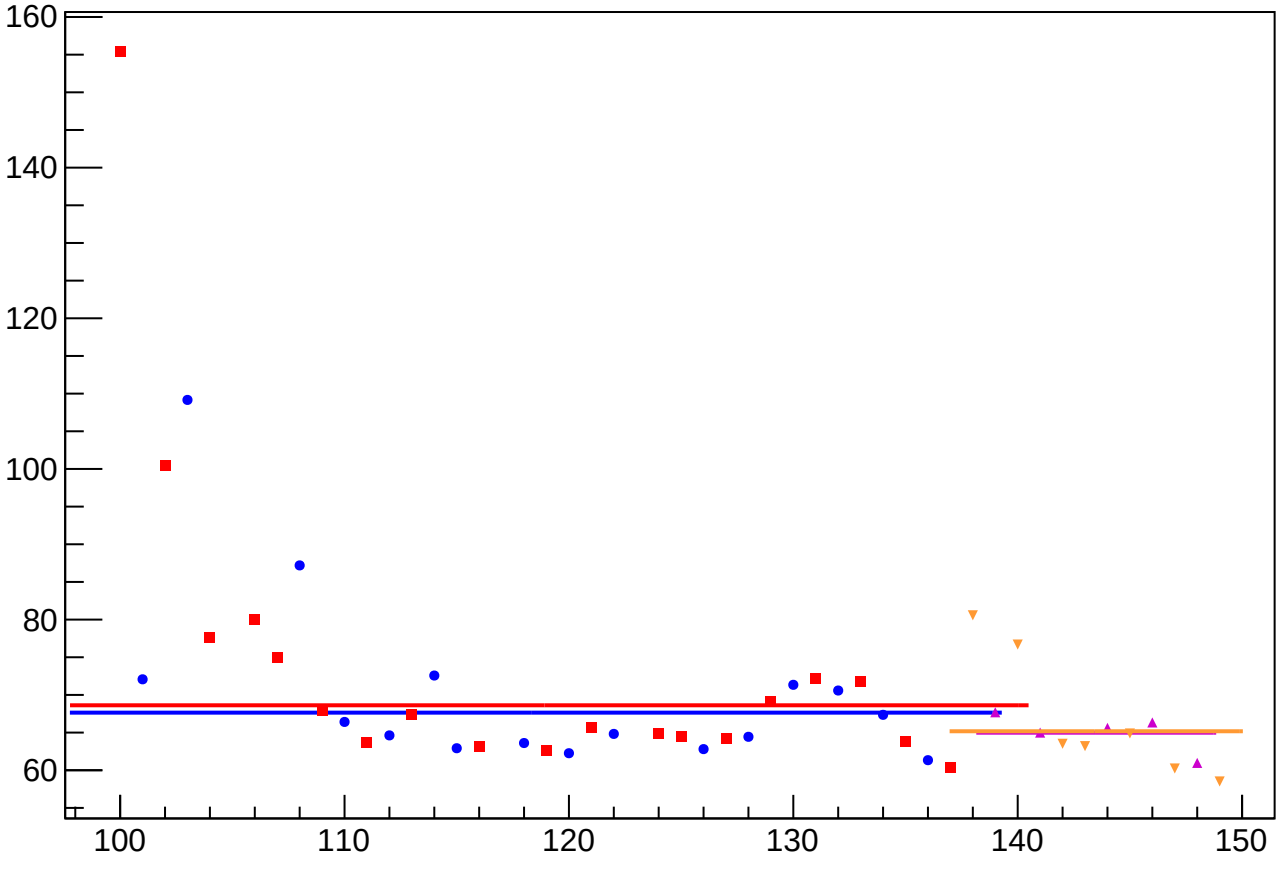
Left In: 143.412+/-31.224 χ^2/NDF:9.5/4

\+ sign -200.556+/-19.011 χ^2/NDF: 26.4/22

All: -37.802+/-13.694 χ^2/NDF: 225.5/46

\- 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: 65.176+/-0.020 χ^2/NDF:127147.2/6

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

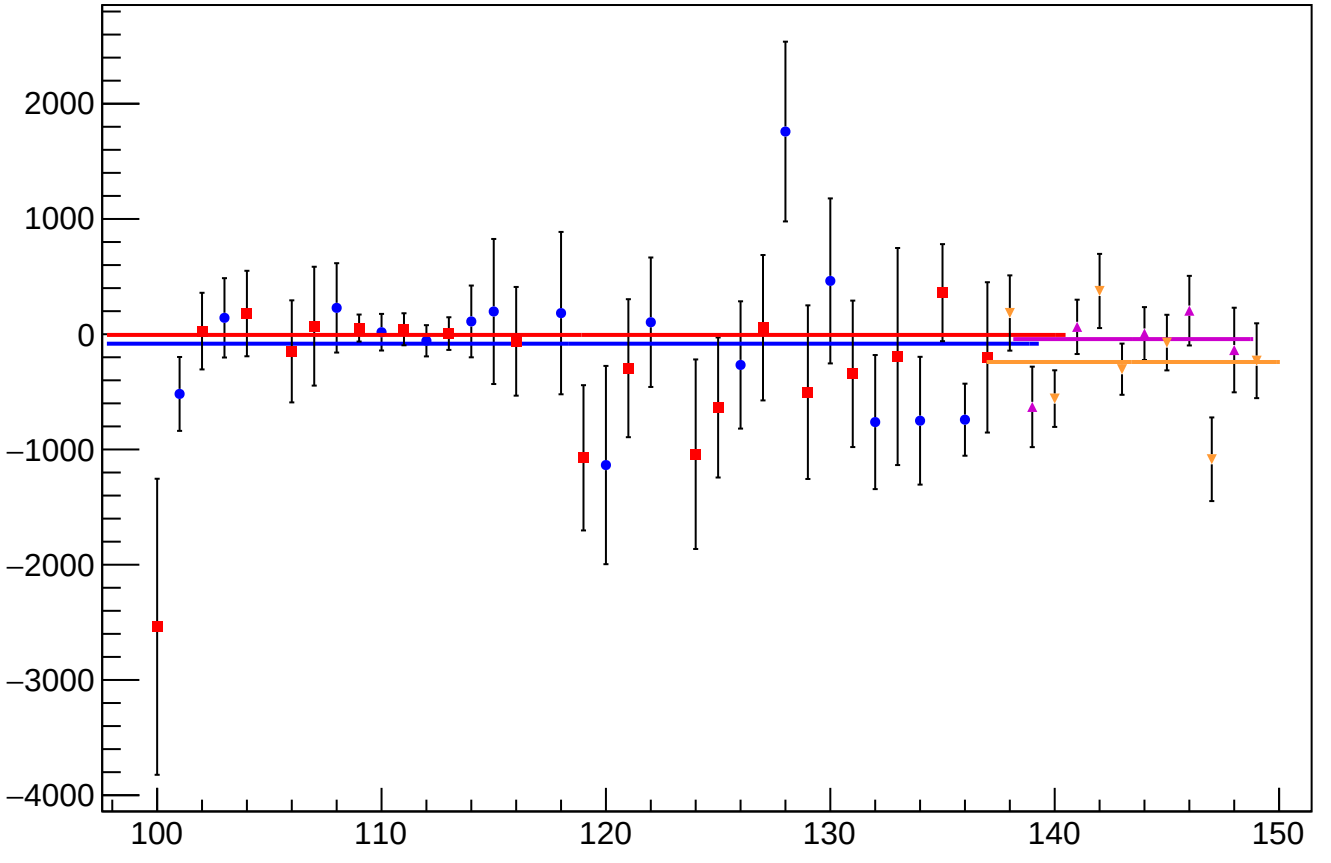
Left In: 64.985+/-0.022 χ^2/NDF:10857.2/4

+ sign 66.547+/-0.013 χ^2/NDF: 399164.9/22

All: 66.846+/-0.010 χ^2/NDF: 675518.7/46

- sign 67.169+/-0.014 χ^2/NDF: 275323.7/23

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -240.985+/-105.329 χ^2/NDF:13.0/6

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

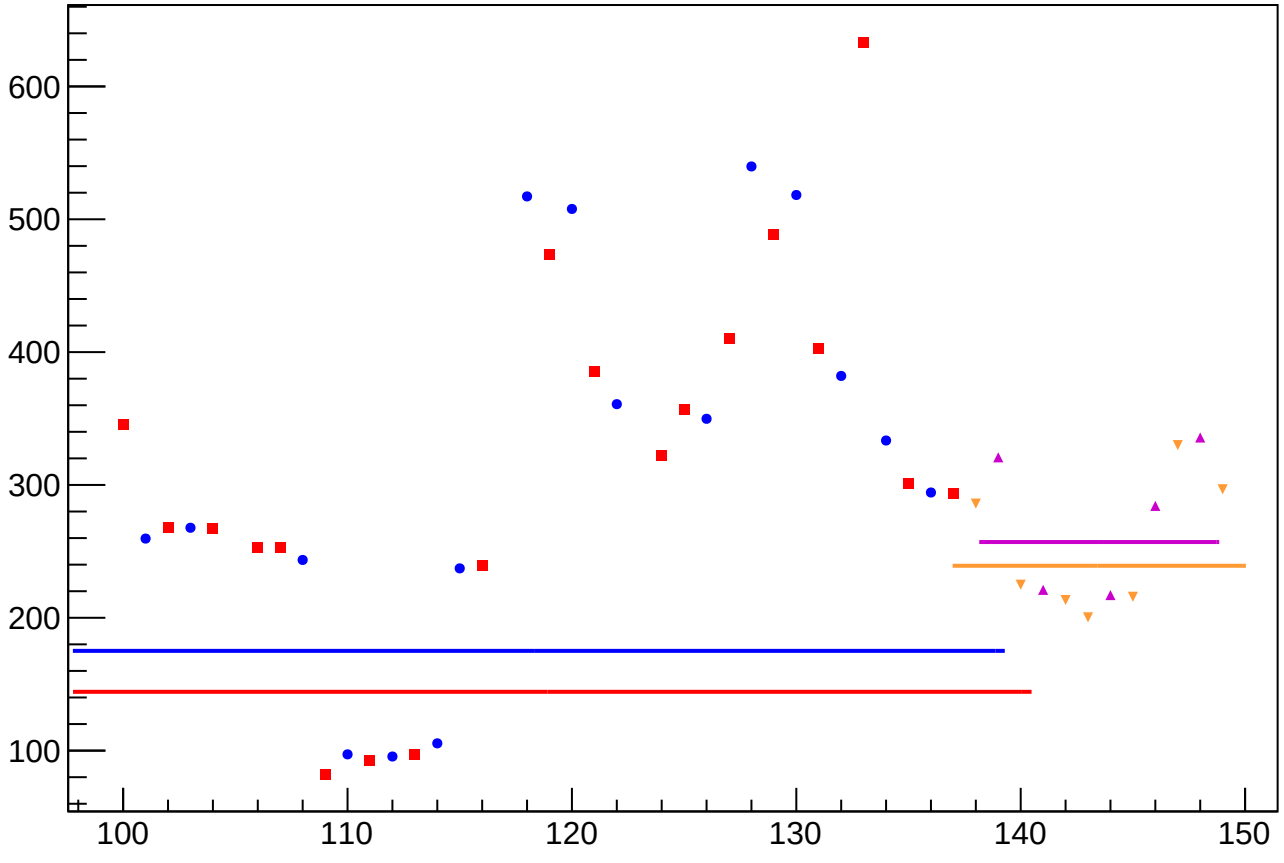
Left In: -42.295+/-125.402 χ^2/NDF:3.8/4

+ sign -139.082+/-63.033 χ^2/NDF: 33.7/22

All: -71.664+/-42.817 χ^2/NDF: 51.7/46

- 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: 239.167+/-0.074 χ^2/NDF:328622.2/6

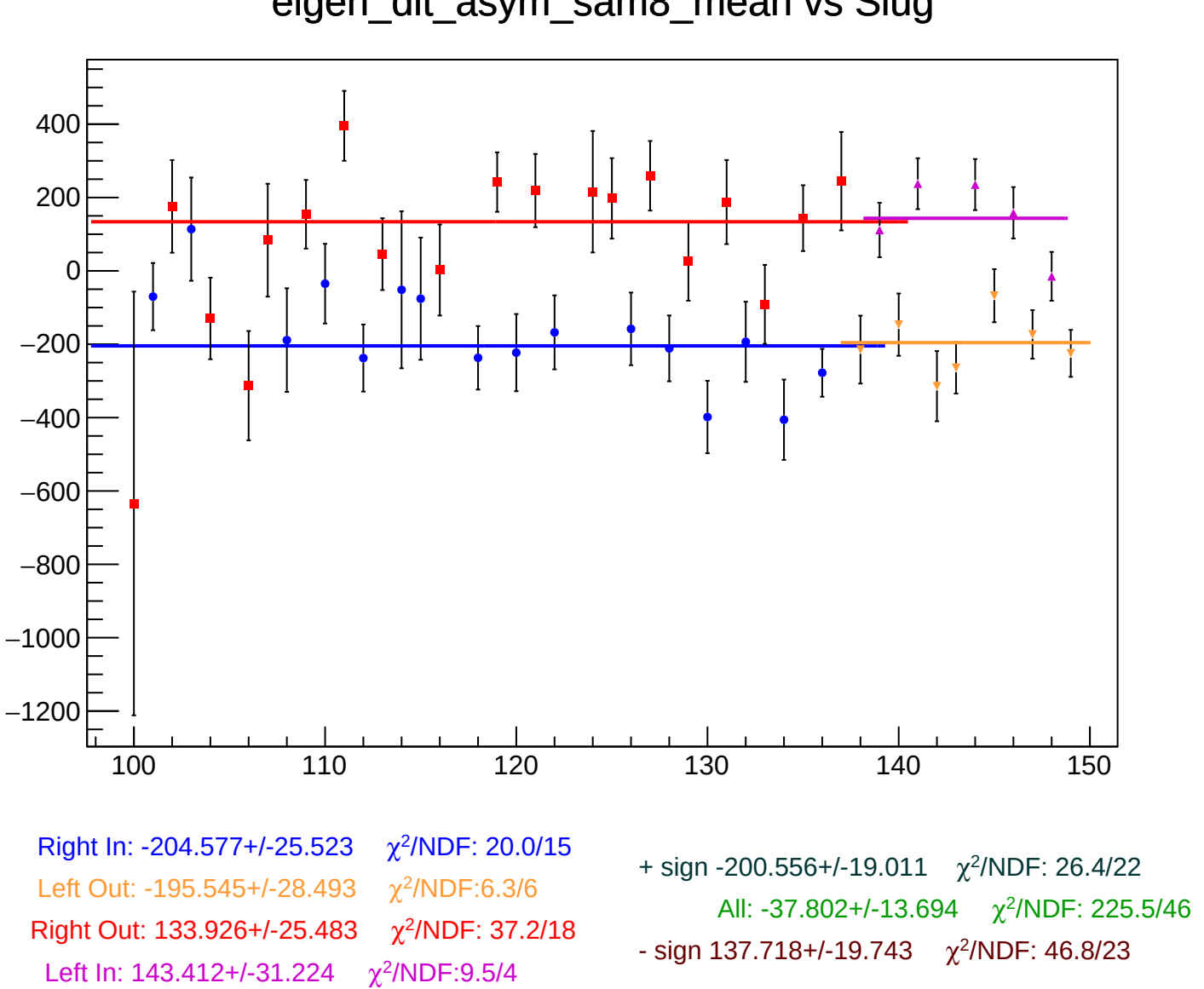
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 257.026+/-0.089 χ^2/NDF:282101.7/4

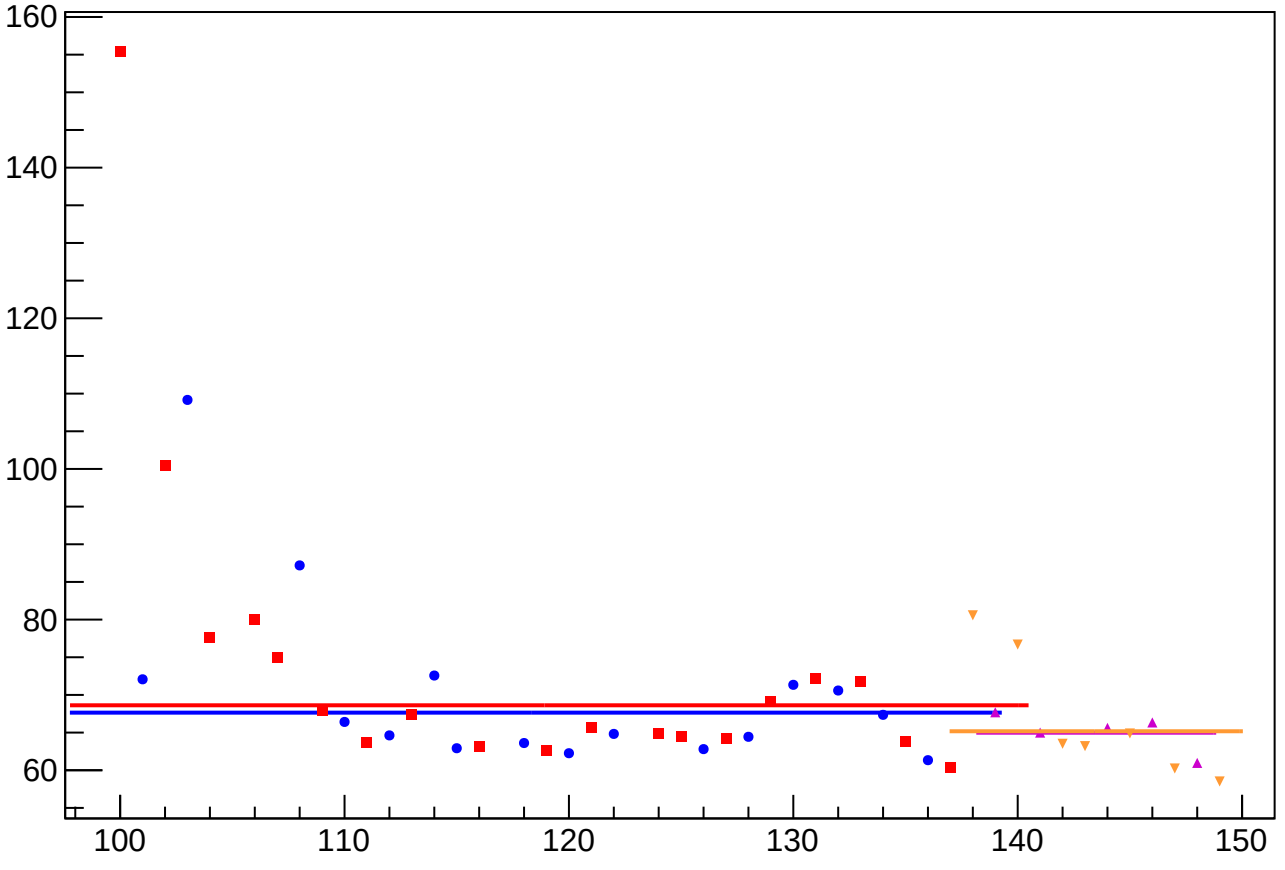
+ sign 198.044+/-0.045 χ^2/NDF: 5232656.8/22

All: 182.229+/-0.030 χ^2/NDF: 12147757.8/46

- sign 168.681+/-0.041 χ^2/NDF: 6681360.3/23


eigen_dit_asym_sam8_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
Right In: -204.577+/-25.523 χ²/NDF: 20.0/15
Left Out: -195.545+/-28.493 χ²/NDF:6.3/6
Right Out: 133.926+/-25.483 χ²/NDF: 37.2/18
Left In: 143.412+/-31.224 χ²/NDF:9.5/4
+ sign -200.556+/-19.011 χ²/NDF: 26.4/22
All: -37.802+/-13.694 χ²/NDF: 225.5/46
- sign 137.718+/-19.743 χ²/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: 65.176+/-0.020 χ^2/NDF:127145.5/6

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

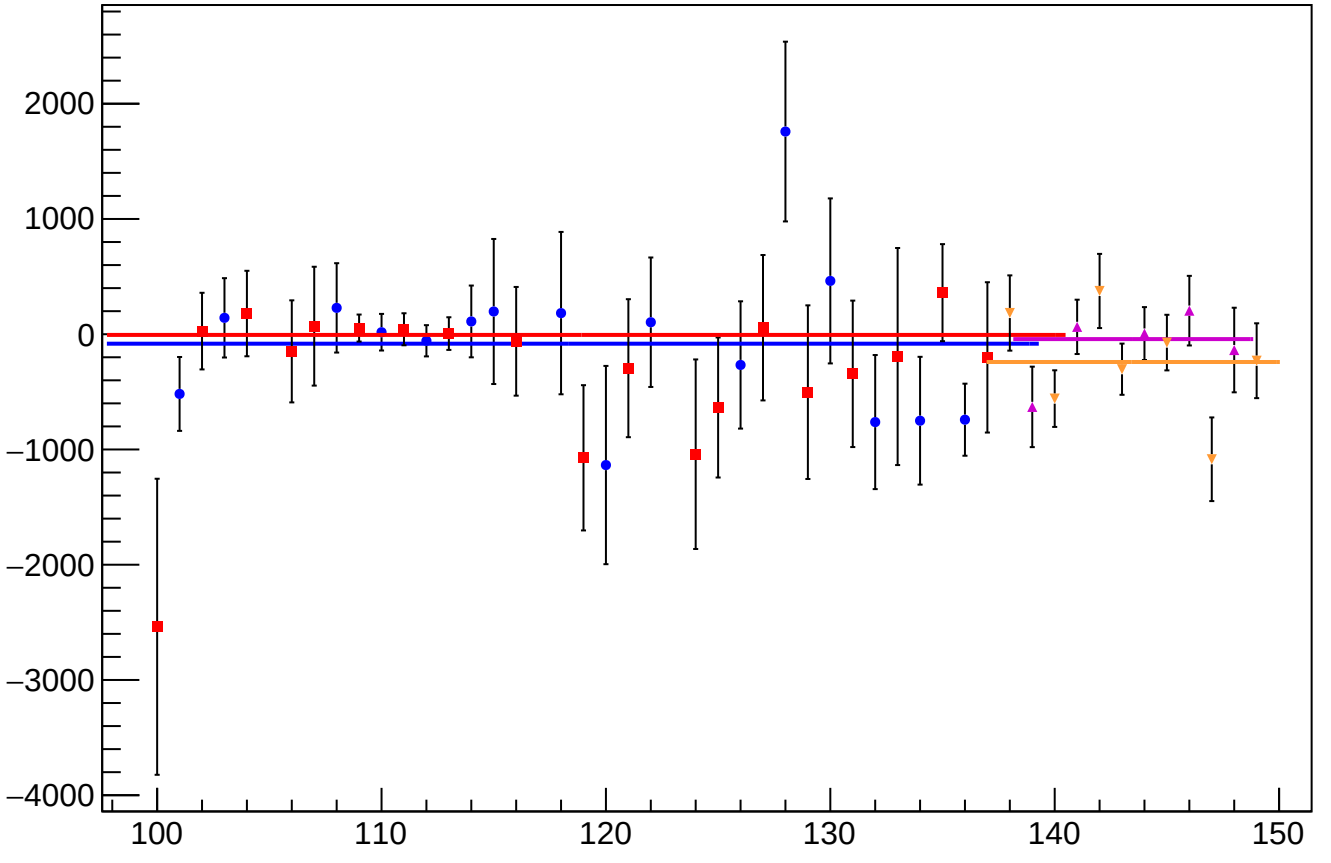
Left In: 64.985+/-0.022 χ^2/NDF:10857.4/4

+ sign 66.547+/-0.013 χ^2/NDF: 399160.5/22

All: 66.846+/-0.010 χ^2/NDF: 675513.0/46

- 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: -240.986+/-105.329 χ^2/NDF:13.0/6

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

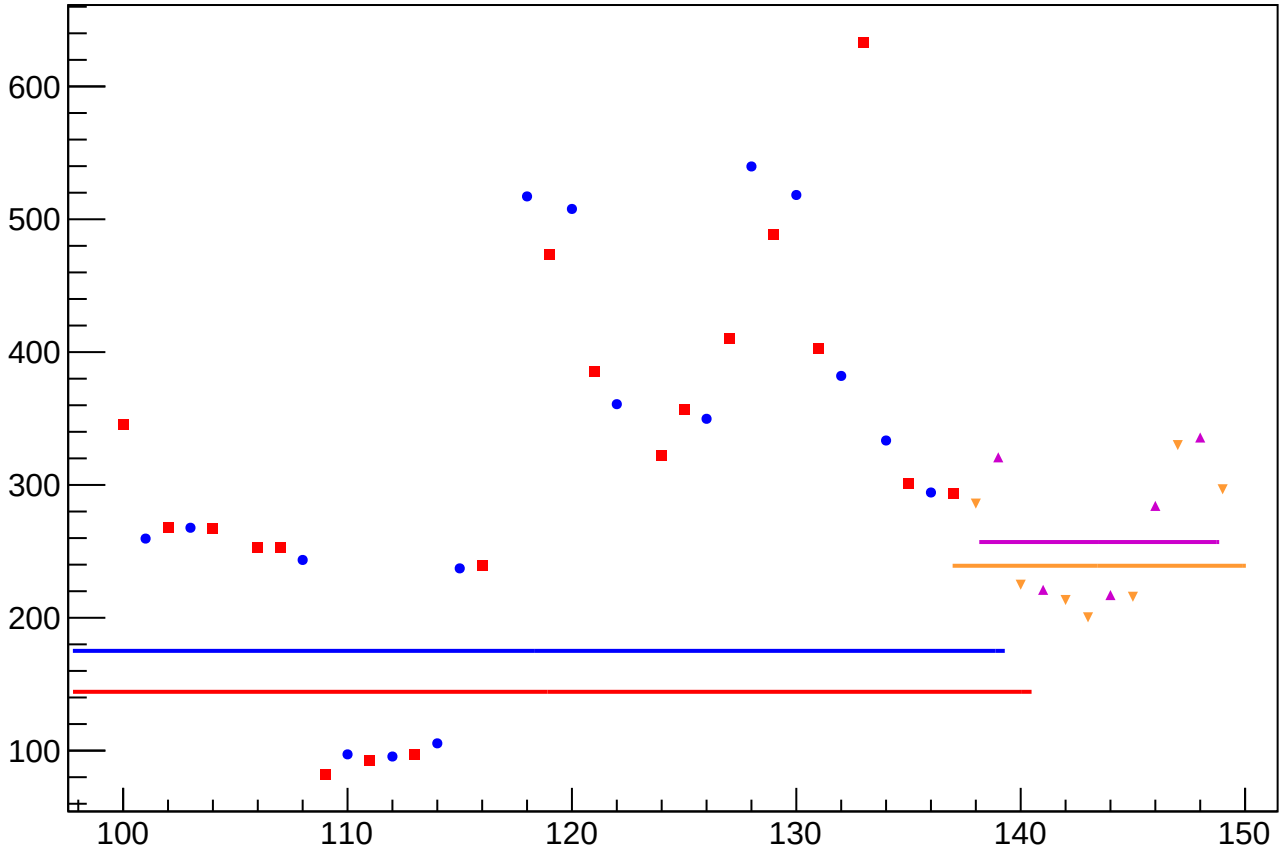
Left In: -42.295+/-125.401 χ^2/NDF:3.8/4

\+ sign -139.082+/-63.033 χ^2/NDF: 33.7/22

All: -71.663+/-42.816 χ^2/NDF: 51.7/46

\- 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: 239.166+/-0.074 χ^2/NDF:328623.7/6

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

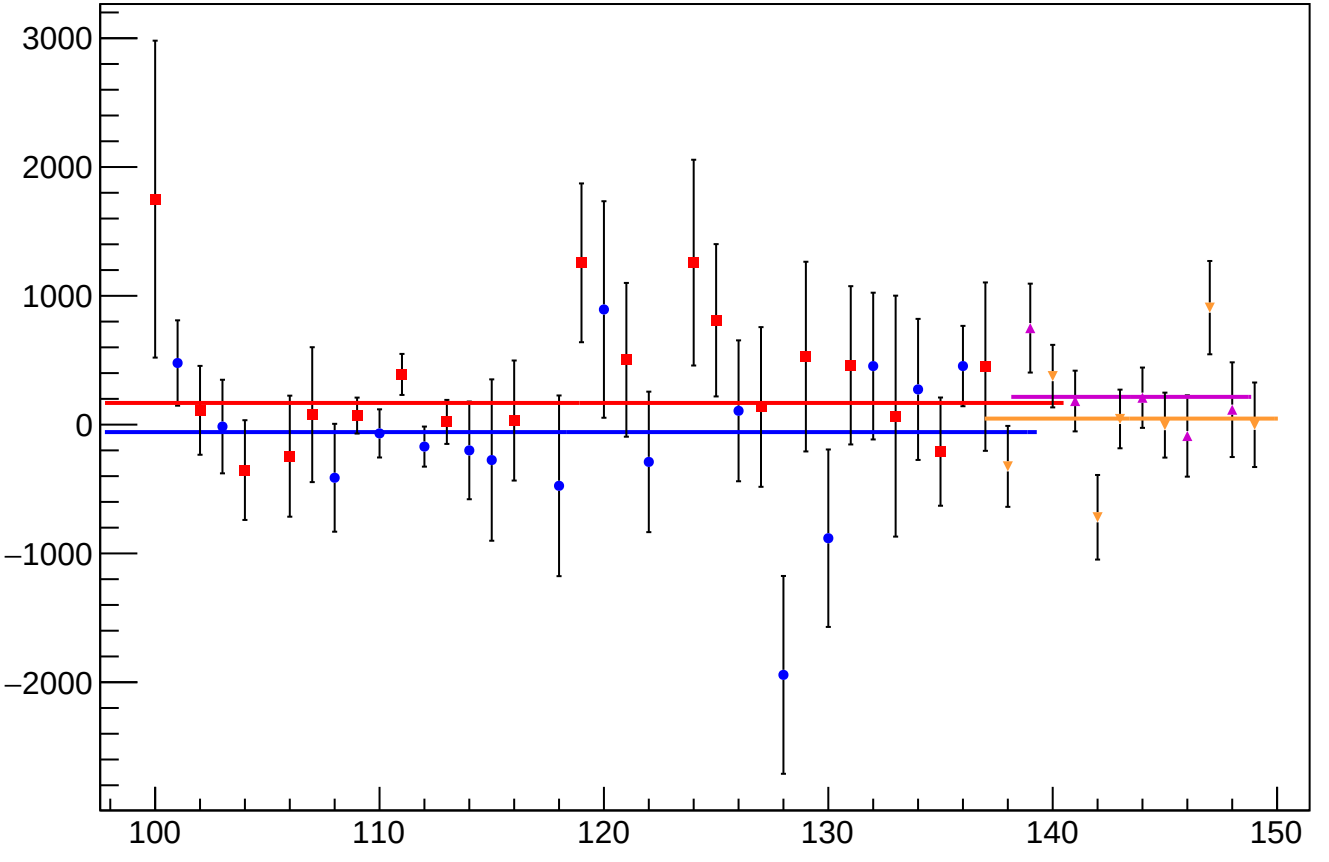
Left In: 257.025+/-0.089 χ^2/NDF:282099.5/4

+ sign 198.042+/-0.045 χ^2/NDF: 5232688.7/22

All: 182.229+/-0.030 χ^2/NDF: 12147748.3/46

- 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: 46.825+/-106.423 χ^2/NDF:14.4/6

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

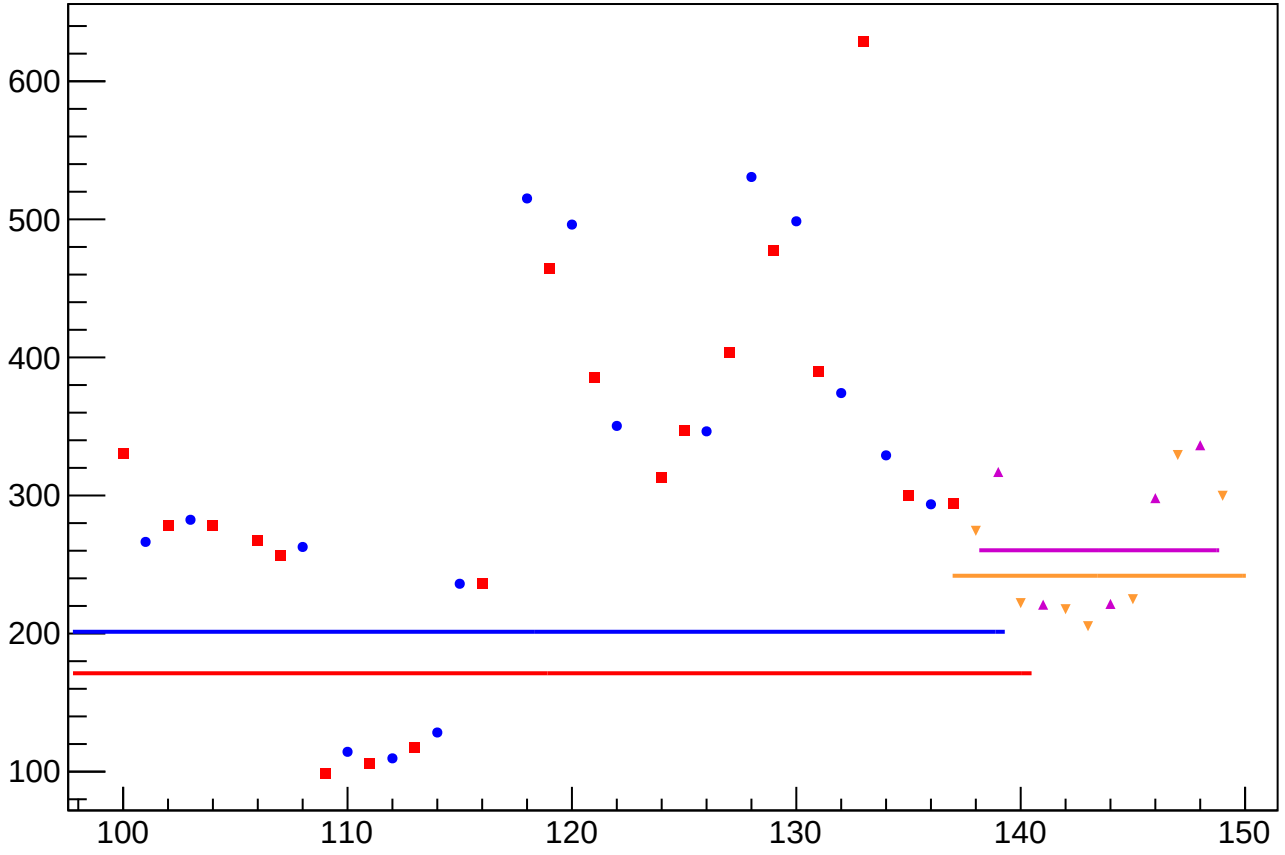
Left In: 215.468+/-126.934 χ^2/NDF:3.4/4

+ sign -16.054+/-67.306 χ^2/NDF: 32.4/22

All: 86.650+/-46.499 χ^2/NDF: 55.8/46

- 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: 241.876+/-0.075 χ^2/NDF:285133.2/6

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

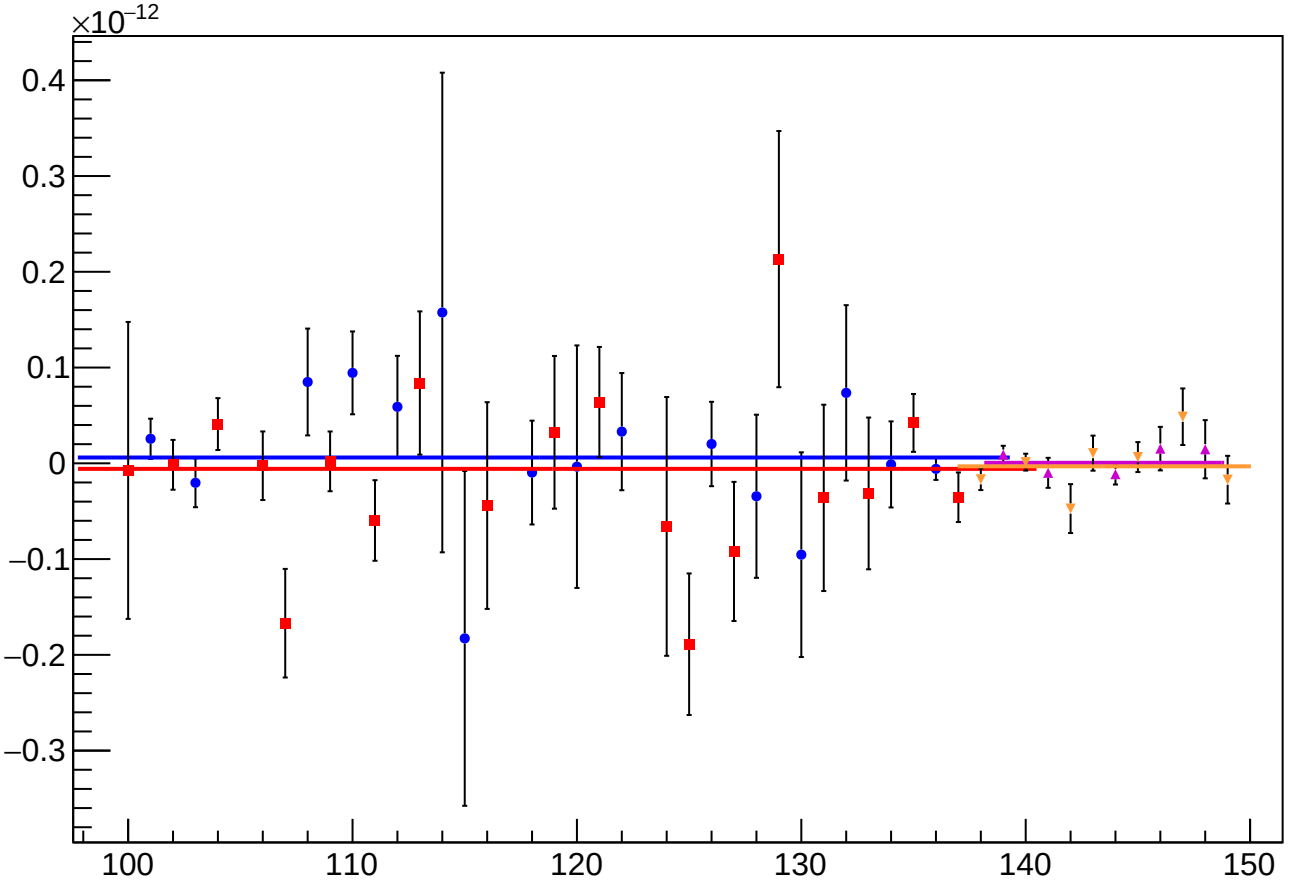
Left In: 260.326+/-0.090 χ^2/NDF:279157.0/4

+ sign 217.530+/-0.048 χ^2/NDF: 4031768.9/22

All: 205.292+/-0.033 χ^2/NDF: 9362010.8/46

- 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:9.0/6

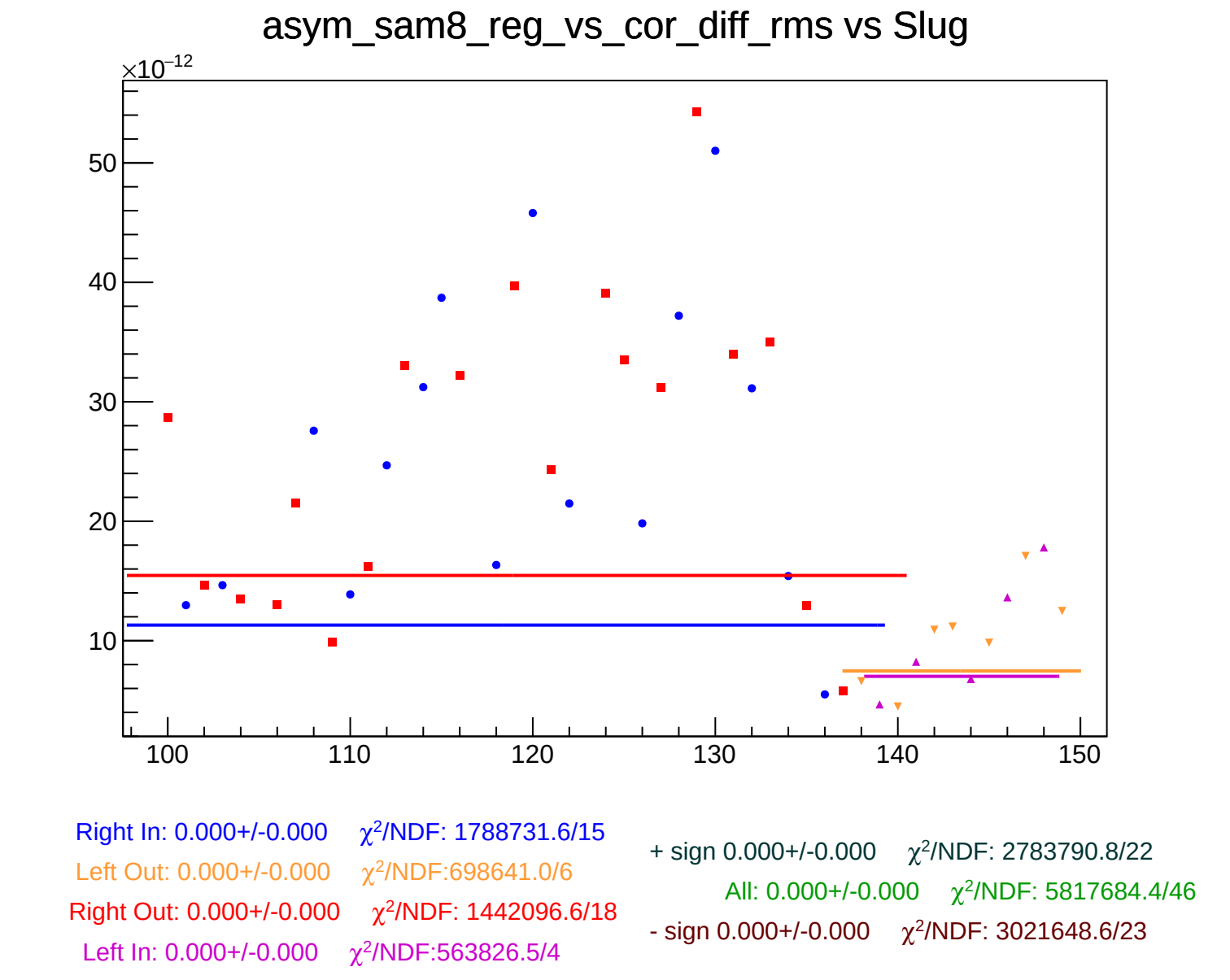
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/4

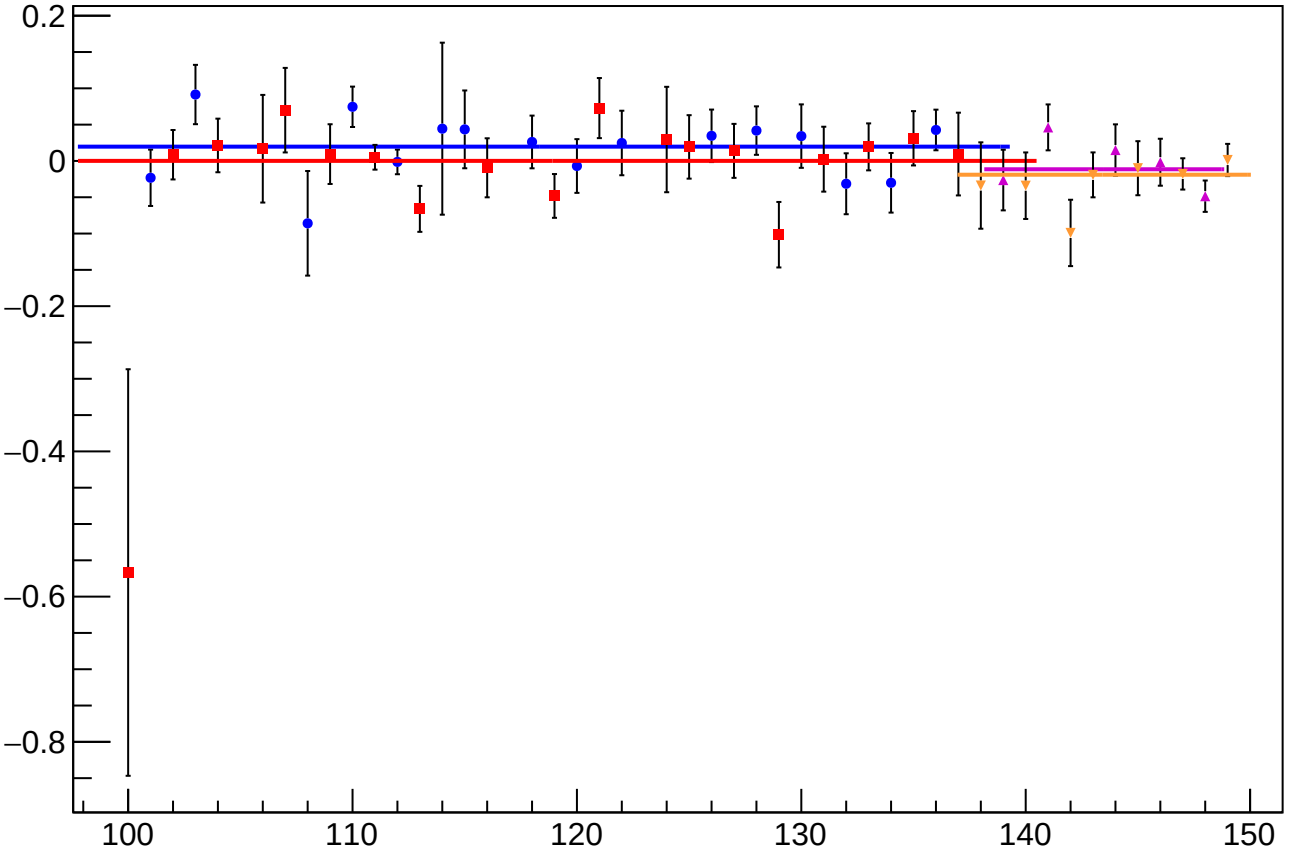
+ sign -0.000+/-0.000 χ^2/NDF: 23.6/22

All: -0.000+/-0.000 χ^2/NDF: 57.6/46

- 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:698641.0/6
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: 2783790.8/22
All: 0.000+/-0.000 χ²/NDF: 5817684.4/46
- sign 0.000+/-0.000 χ²/NDF: 3021648.6/23

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.019+/-0.012 χ^2/NDF:4.1/6

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

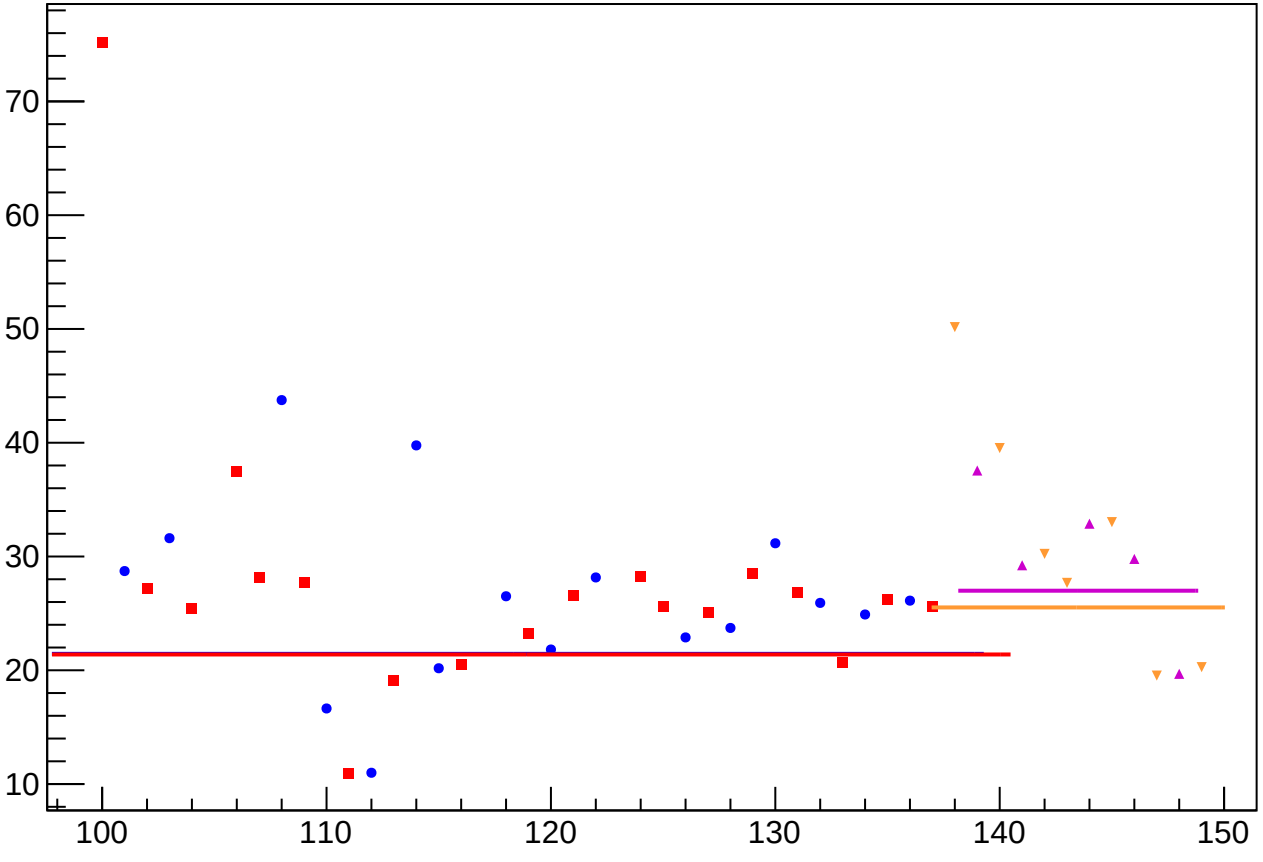
Left In: -0.011+/-0.014 χ^2/NDF:7.1/4

+ sign 0.006+/-0.007 χ^2/NDF: 28.1/22

All: 0.002+/-0.005 χ^2/NDF: 59.4/46

- 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: 25.523+/-0.008 χ^2/NDF:908701.8/6

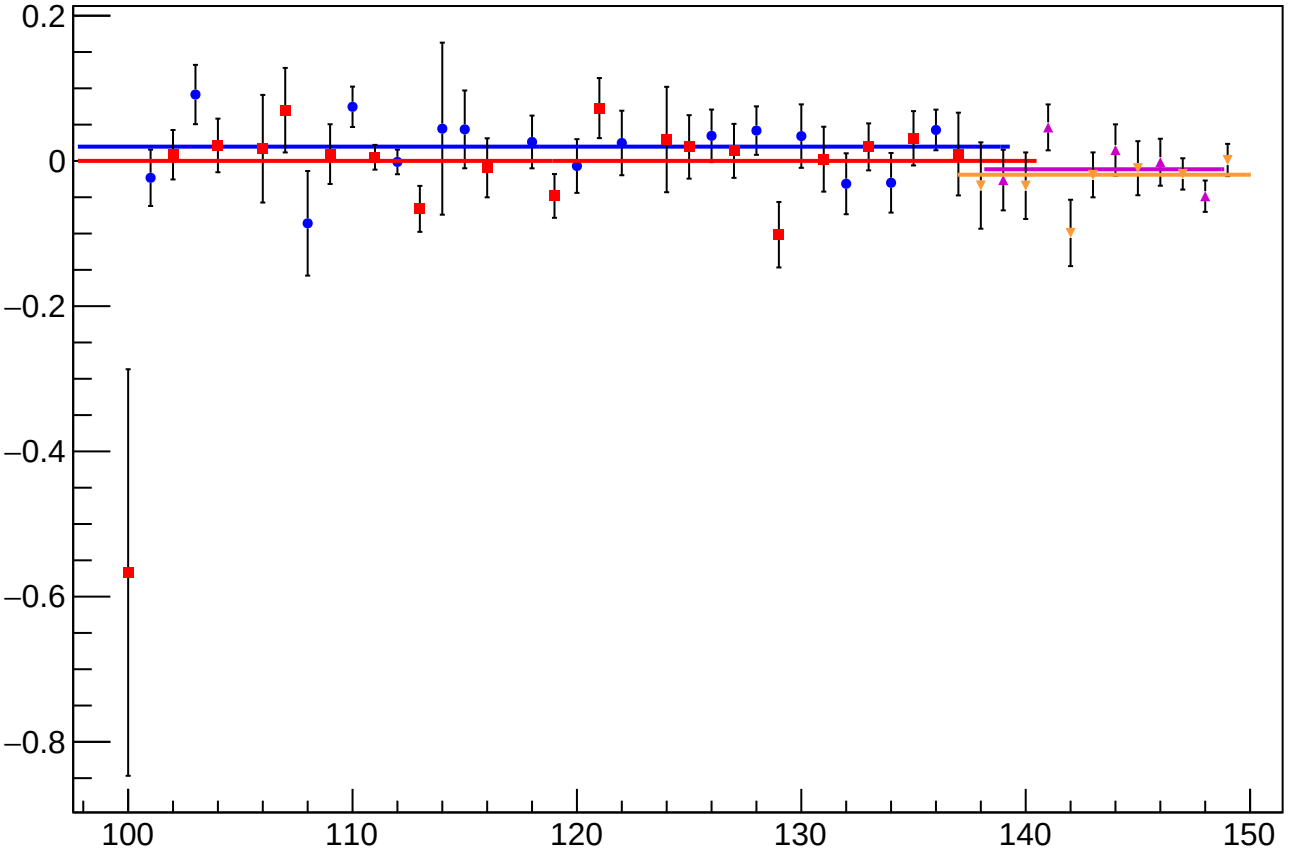
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 26.994+/-0.010 χ^2/NDF:437529.7/4

+ sign 22.878+/-0.005 χ^2/NDF: 2604605.9/22

All: 22.928+/-0.004 χ^2/NDF: 4600639.3/46

- 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: -0.019+/-0.012 χ^2/NDF:4.1/6

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

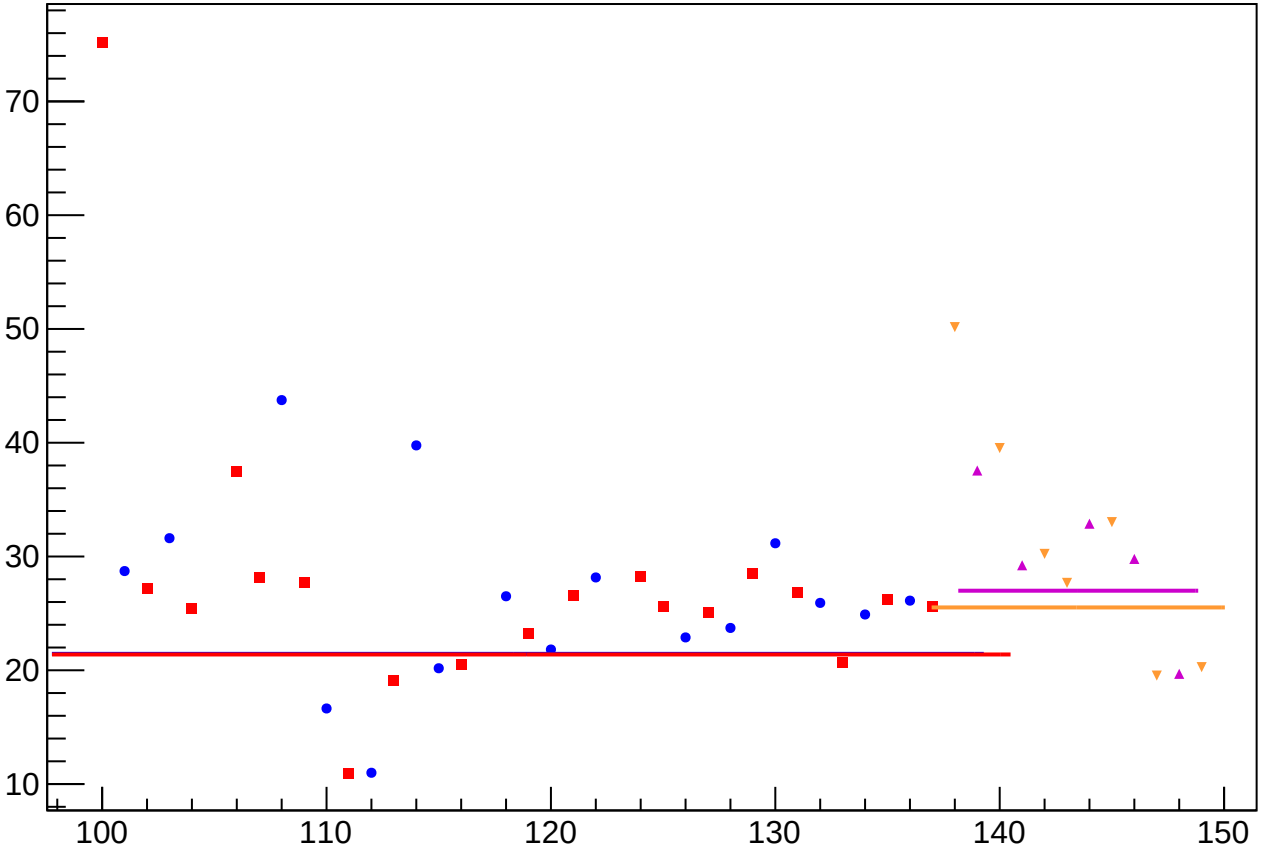
Left In: -0.011+/-0.014 χ^2/NDF:7.1/4

+ sign 0.006+/-0.007 χ^2/NDF: 28.1/22

All: 0.002+/-0.005 χ^2/NDF: 59.4/46

- 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: 25.523+/-0.008 χ^2/NDF:908701.8/6

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

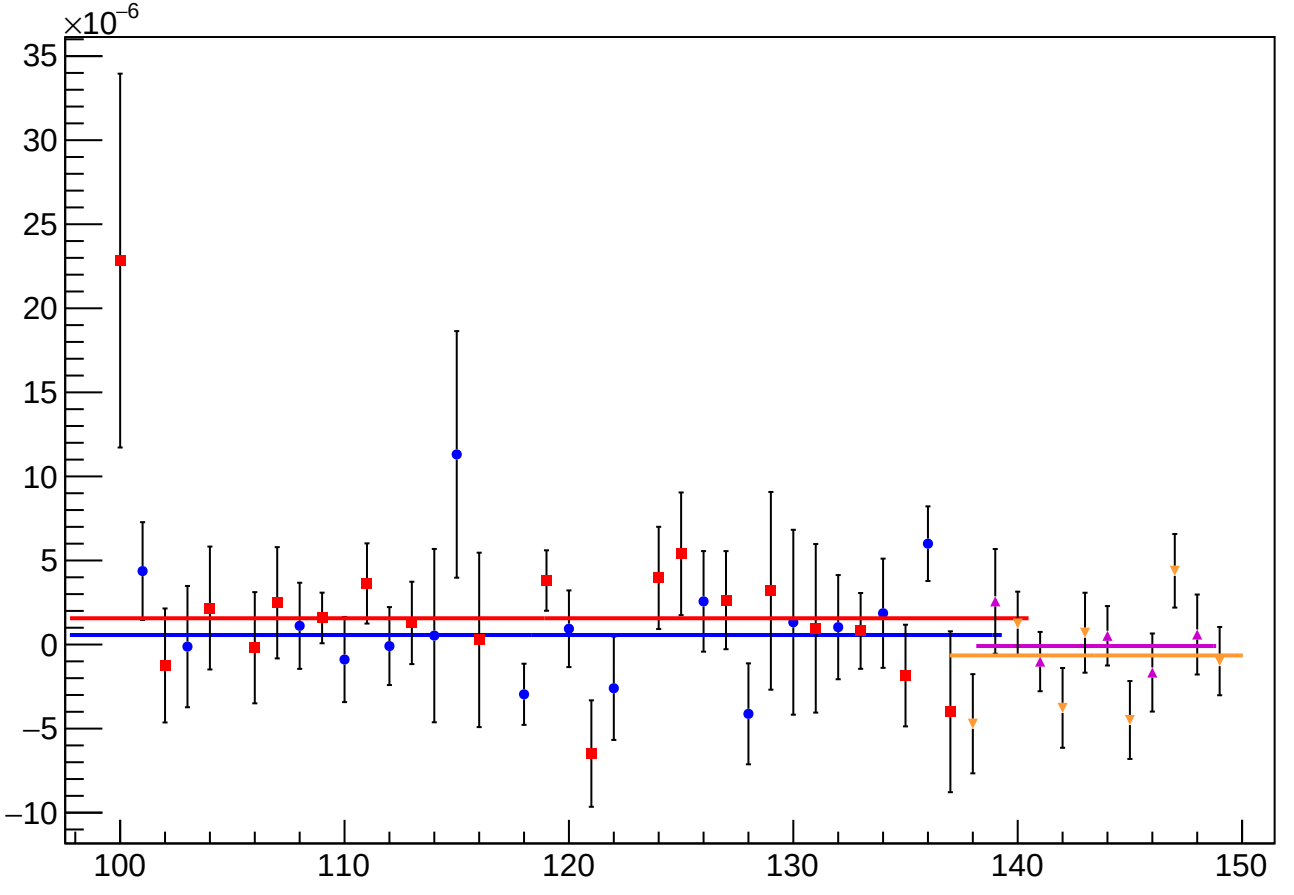
Left In: 26.994+/-0.010 χ^2/NDF:437529.7/4

\+ sign 22.878+/-0.005 χ^2/NDF: 2604605.9/22

All: 22.928+/-0.004 χ^2/NDF: 4600639.3/46

\- 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:13.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

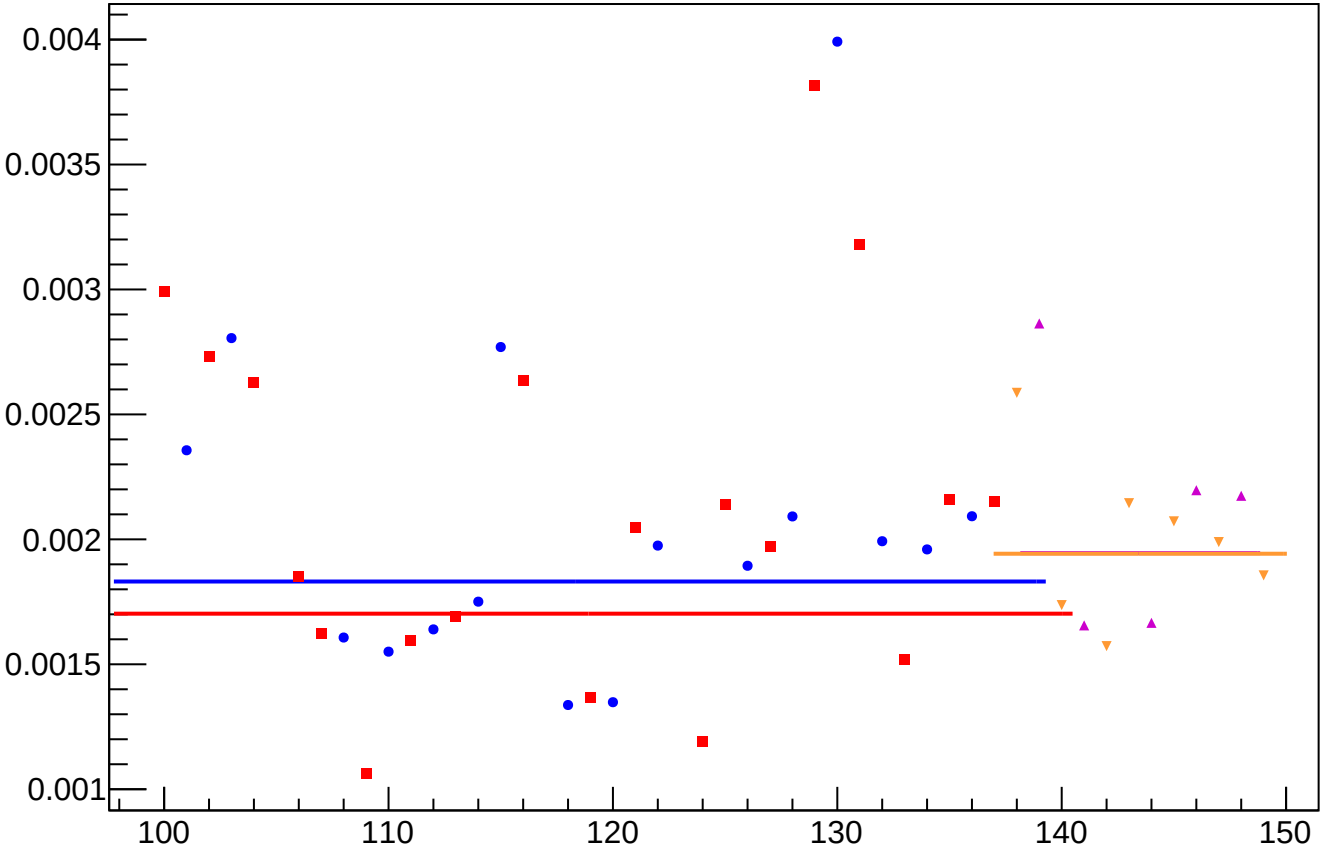
Left In: -0.000+/-0.000 χ^2/NDF:1.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/22

All: 0.000+/-0.000 χ^2/NDF: 56.0/46

- 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:192566.6/6

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

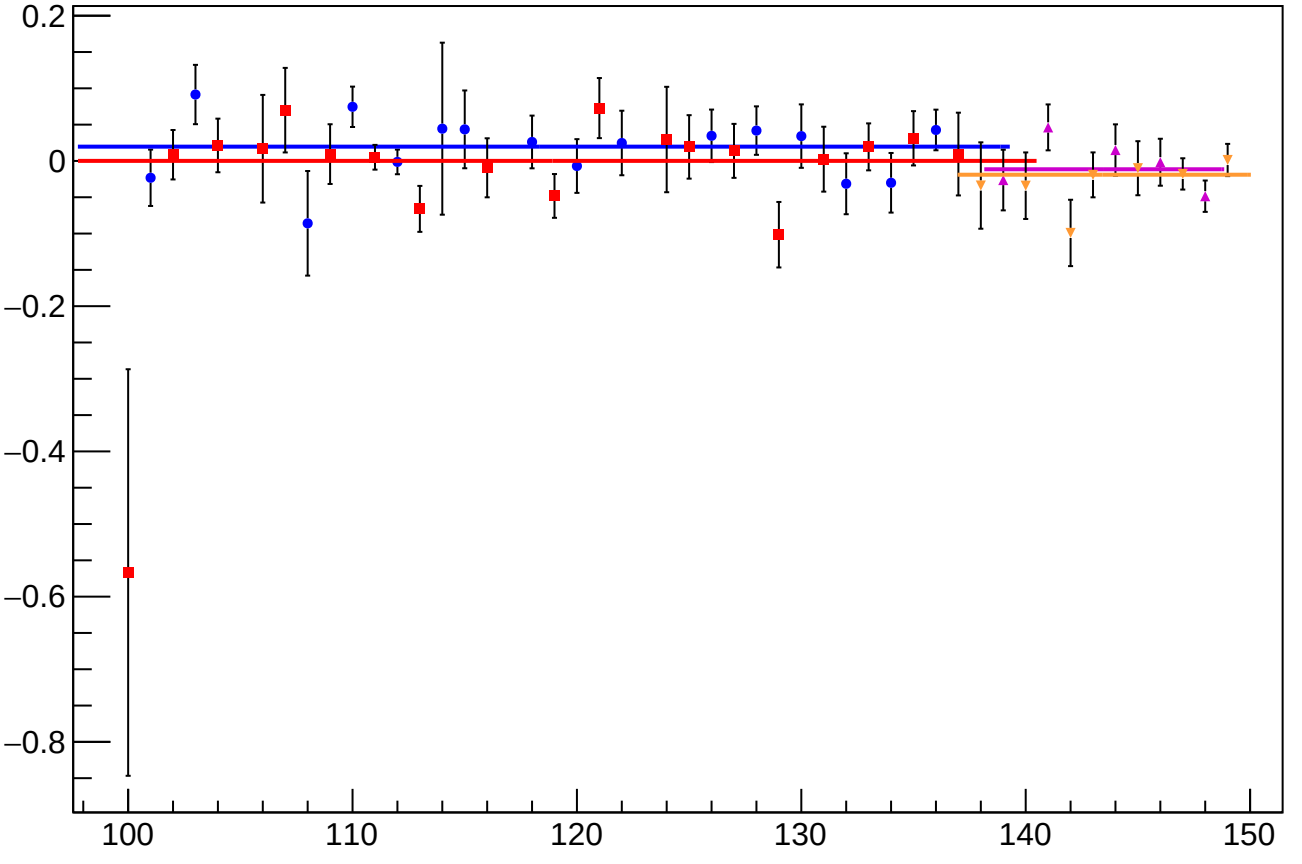
Left In: 0.002+/-0.000 χ^2/NDF:319826.5/4

+ sign 0.002+/-0.000 χ^2/NDF: 1113205.8/22

All: 0.002+/-0.000 χ^2/NDF: 3029784.7/46

- 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: -0.019+/-0.012 χ^2/NDF:4.1/6

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

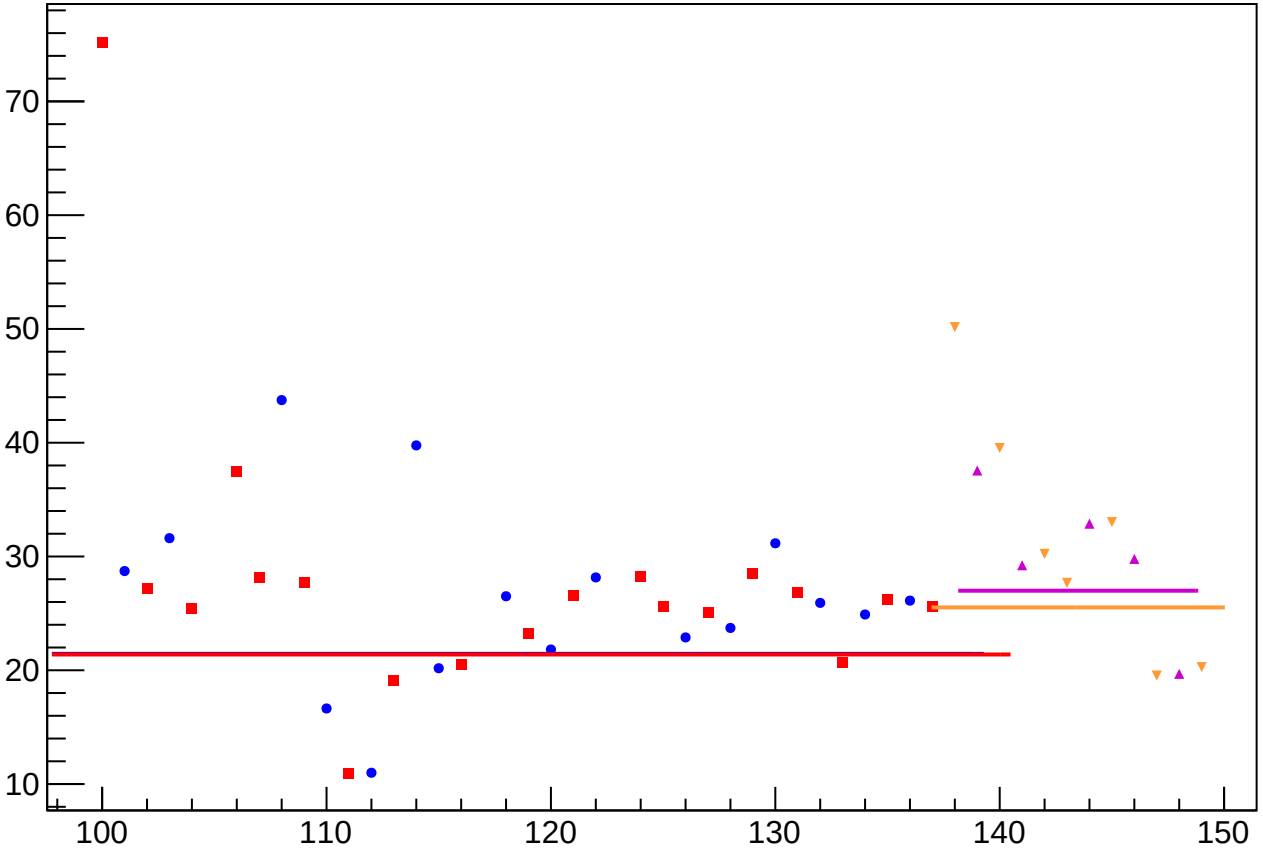
Left In: -0.011+/-0.014 χ^2/NDF:7.1/4

+ sign 0.006+/-0.007 χ^2/NDF: 28.1/22

All: 0.002+/-0.005 χ^2/NDF: 59.4/46

- 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: 25.524+/-0.008 χ^2/NDF:908692.6/6

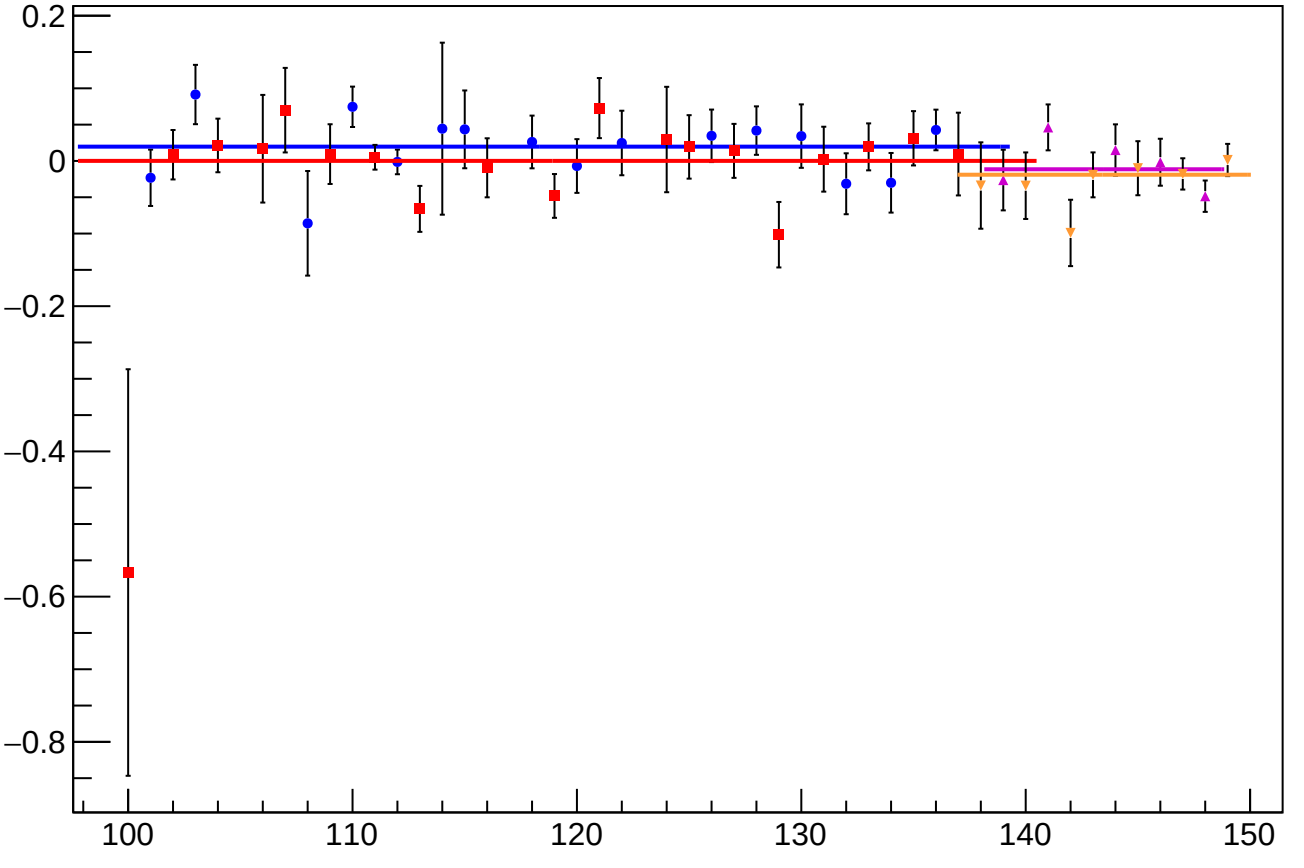
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 26.994+/-0.010 χ^2/NDF:437526.9/4

+ sign 22.878+/-0.005 χ^2/NDF: 2604815.6/22

All: 22.927+/-0.004 χ^2/NDF: 4601044.9/46

- sign 22.979+/-0.005 χ^2/NDF: 1996024.5/23



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.019+/-0.012 χ^2/NDF:4.1/6

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

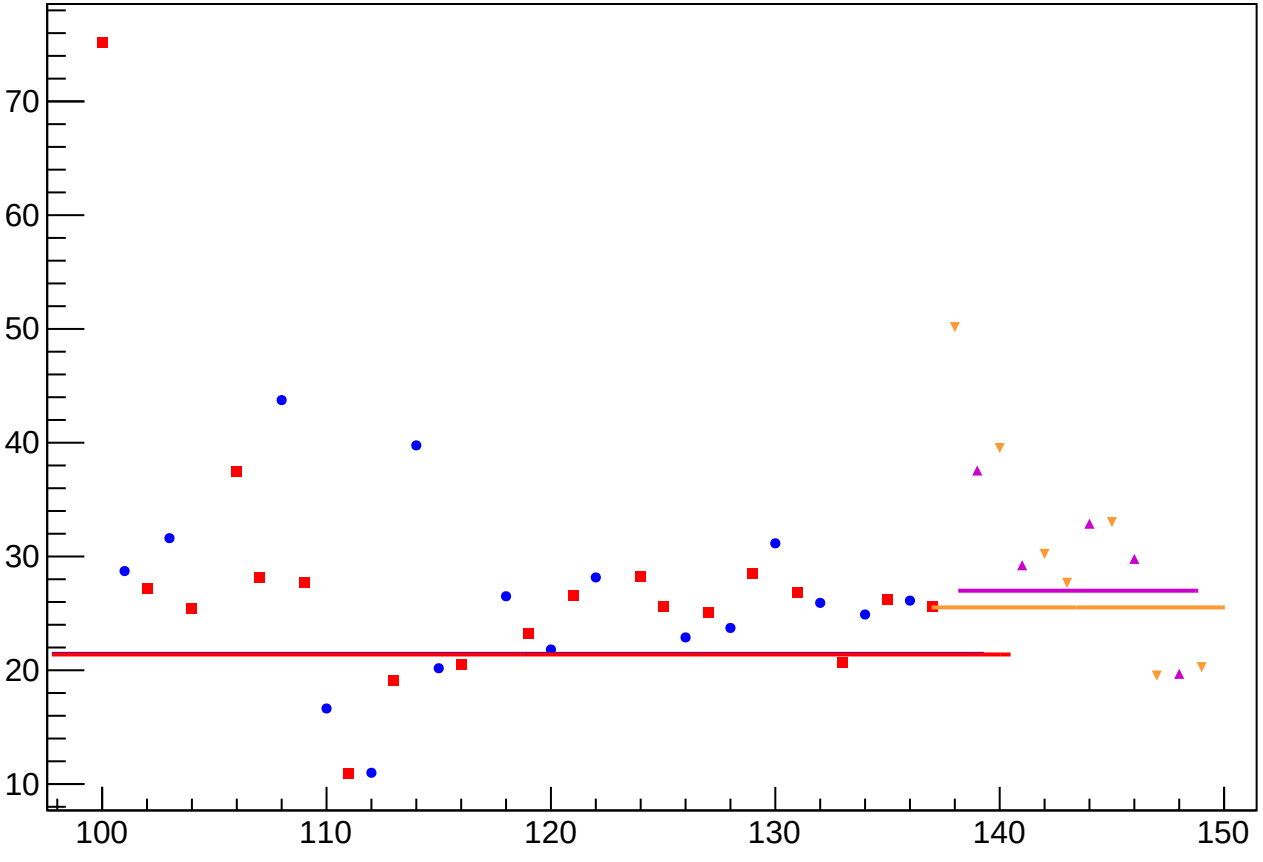
Left In: -0.011+/-0.014 χ^2/NDF:7.1/4

+ sign 0.006+/-0.007 χ^2/NDF: 28.1/22

All: 0.002+/-0.005 χ^2/NDF: 59.4/46

- sign -0.003+/-0.007 χ^2/NDF: 30.4/23

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.524+/-0.008 χ^2/NDF:908692.6/6

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

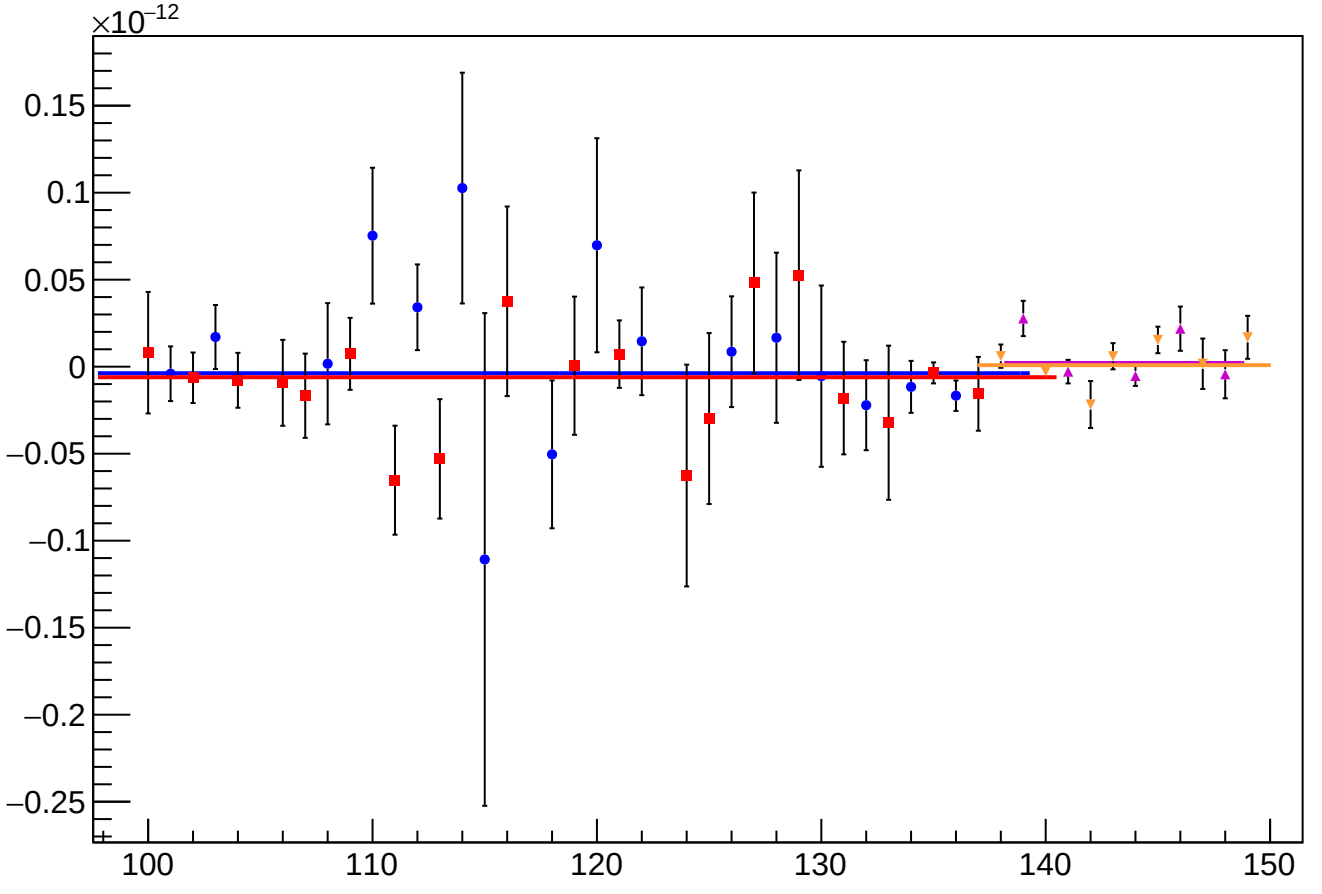
Left In: 26.994+/-0.010 χ^2/NDF:437526.9/4

+ sign 22.878+/-0.005 χ^2/NDF: 2604815.6/22

All: 22.927+/-0.004 χ^2/NDF: 4601044.9/46

- sign 22.979+/-0.005 χ^2/NDF: 1996024.5/23

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/6

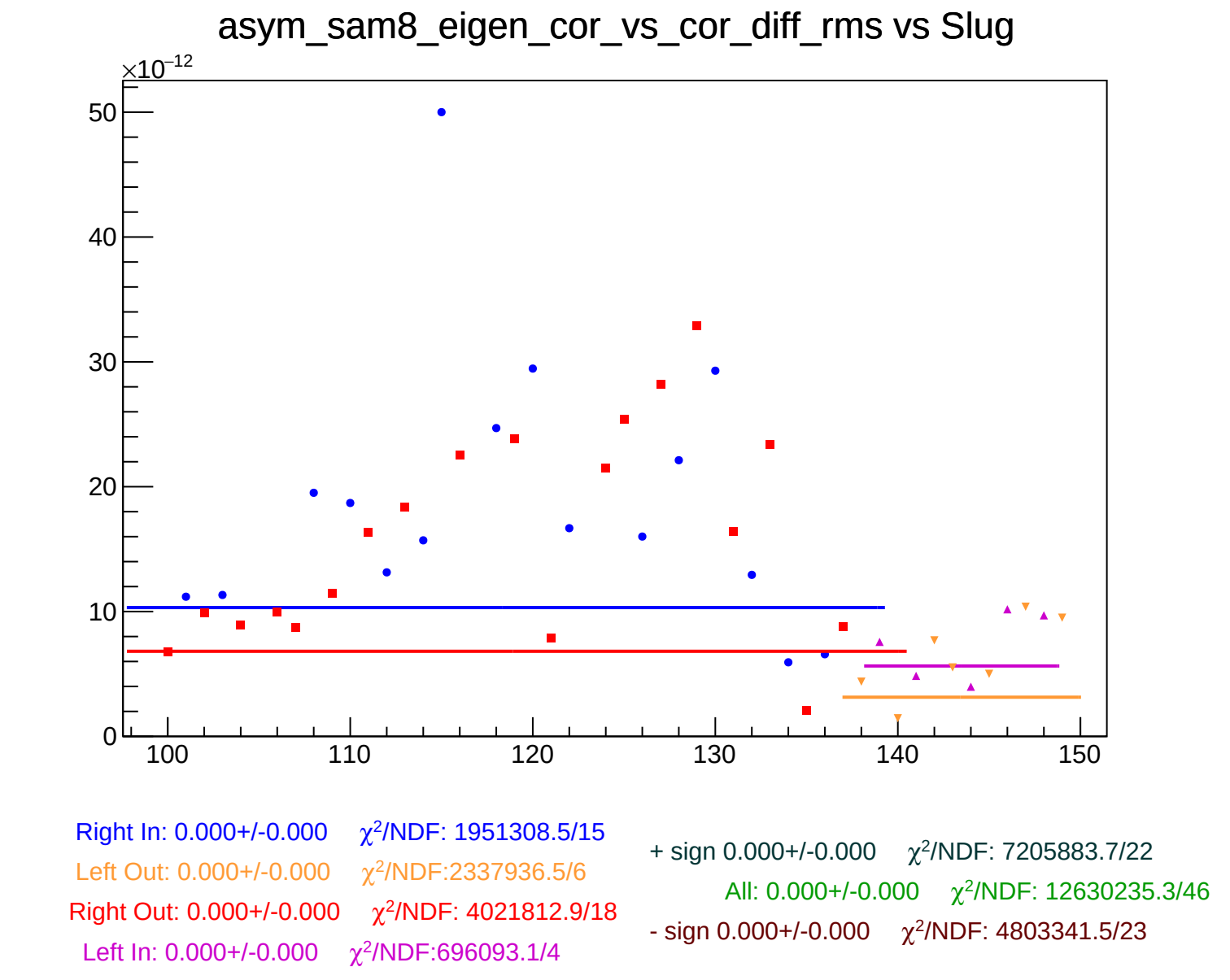
Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/4

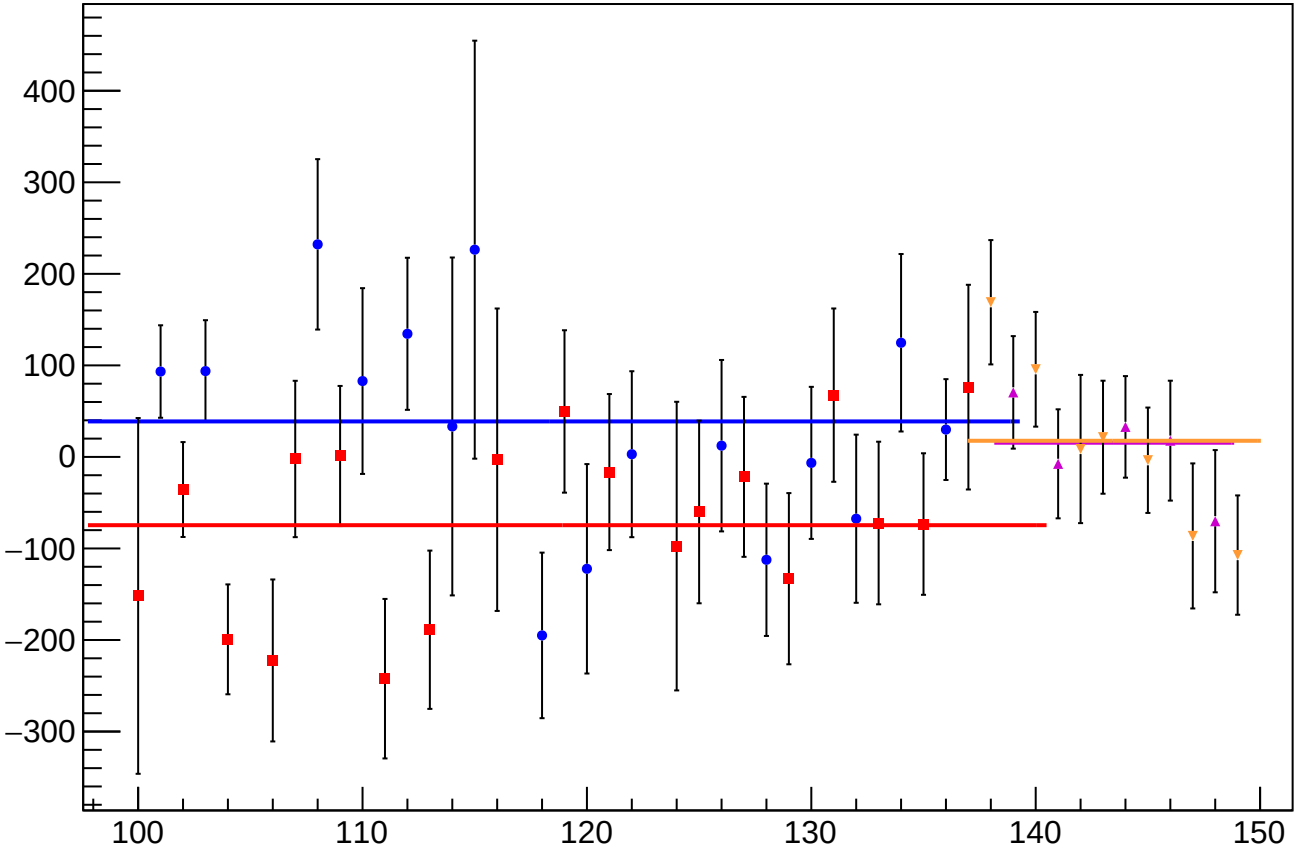
+ sign 0.000+/-0.000 χ^2/NDF: 28.6/22

All: -0.000+/-0.000 χ^2/NDF: 53.4/46

- sign -0.000+/-0.000 χ^2/NDF: 24.6/23


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2337936.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:696093.1/4
+ sign 0.000+/-0.000 χ²/NDF: 7205883.7/22
All: 0.000+/-0.000 χ²/NDF: 12630235.3/46
- sign 0.000+/-0.000 χ²/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: 17.633+/-25.134 χ^2/NDF:12.1/6

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

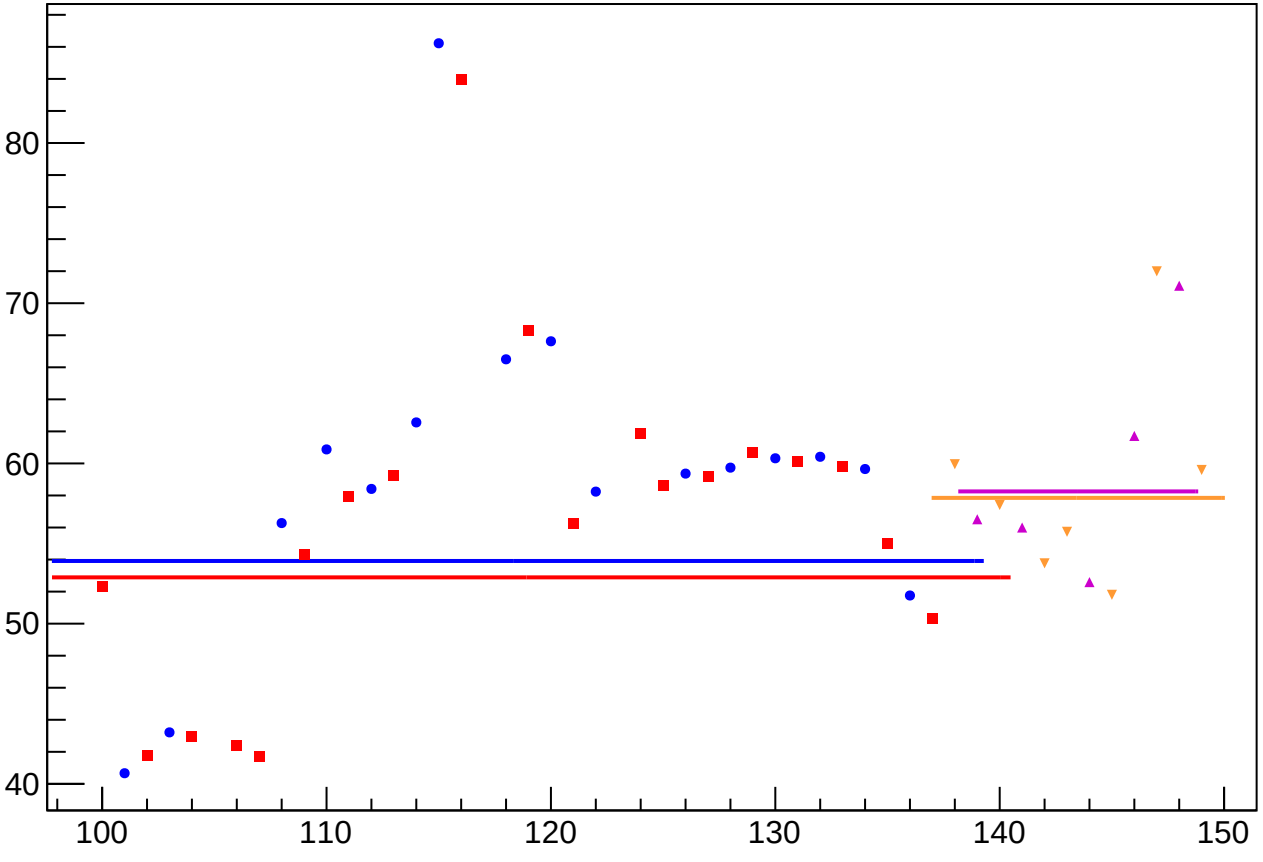
Left In: 15.515+/-28.056 χ^2/NDF:2.3/4

\+ sign 30.376+/-15.845 χ^2/NDF: 35.8/22

All: -6.344+/-11.320 χ^2/NDF: 78.4/46

\- 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: 57.850+/-0.018 χ^2/NDF:96680.2/6

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

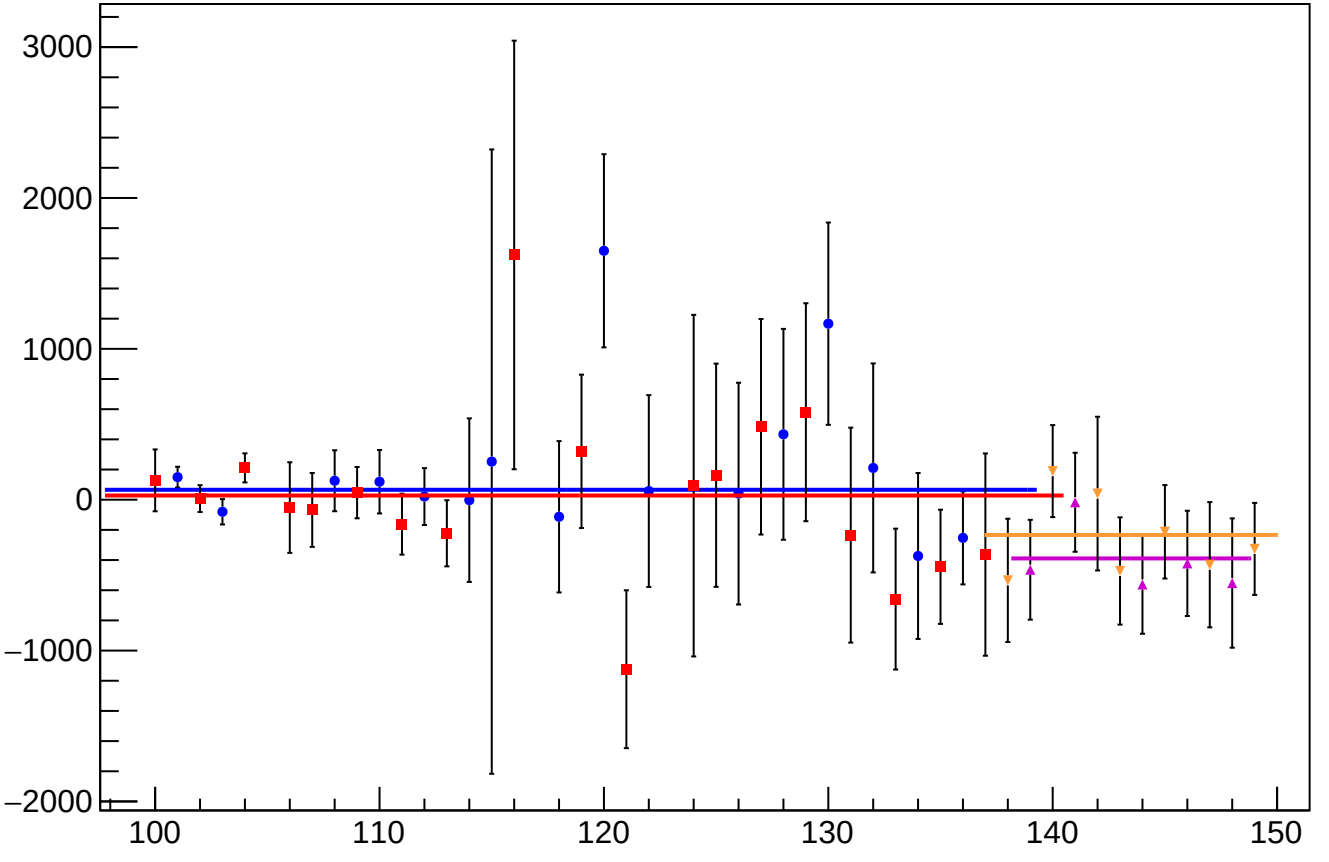
Left In: 58.254+/-0.020 χ^2/NDF:85483.7/4

+ sign 55.477+/-0.011 χ^2/NDF: 519526.3/22

All: 55.083+/-0.008 χ^2/NDF: 1081579.4/46

- 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: -233.735+/-134.260 χ^2/NDF:3.5/6

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

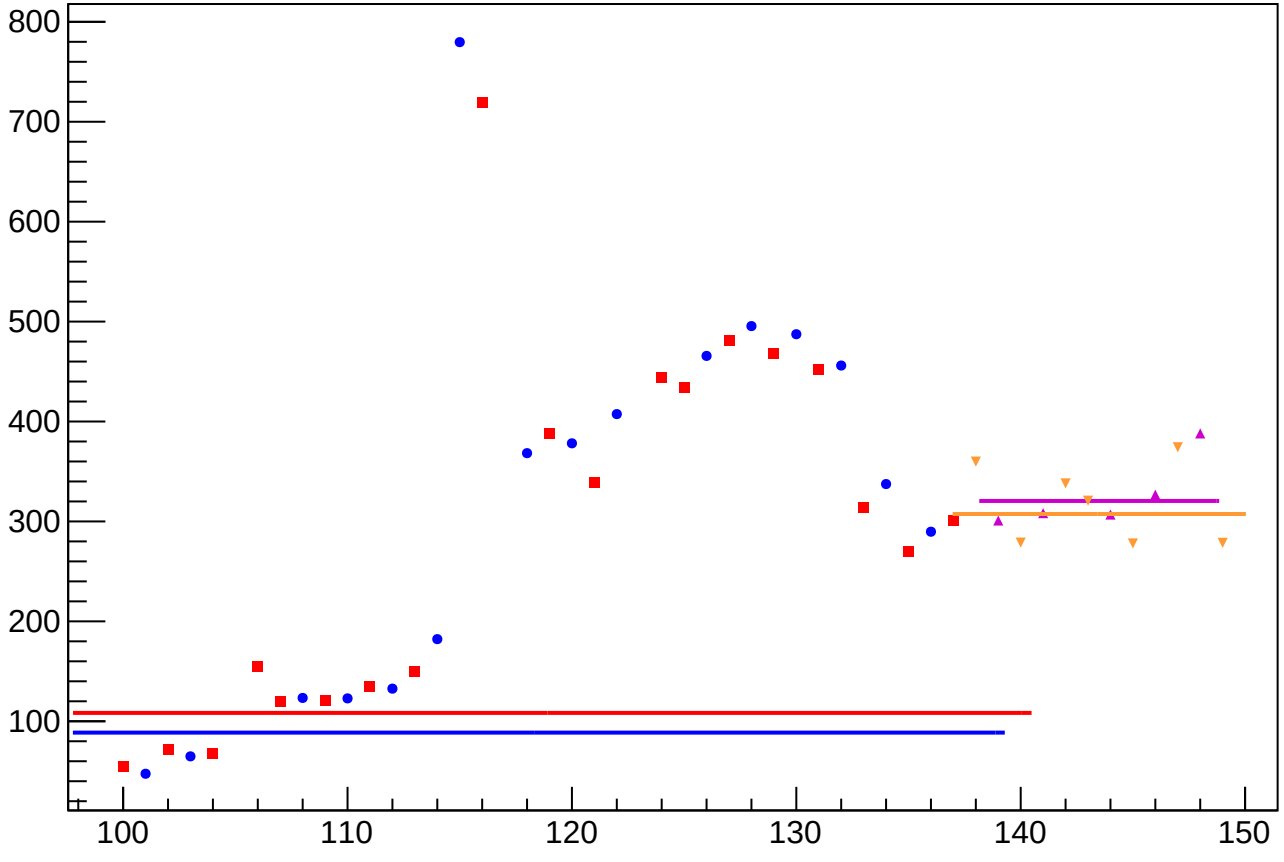
Left In: -389.211+/-155.313 χ^2/NDF:1.8/4

+ sign 33.792+/-43.921 χ^2/NDF: 23.7/22

All: 12.975+/-32.356 χ^2/NDF: 50.5/46

- 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: 307.436+/-0.095 χ^2/NDF:148369.9/6

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

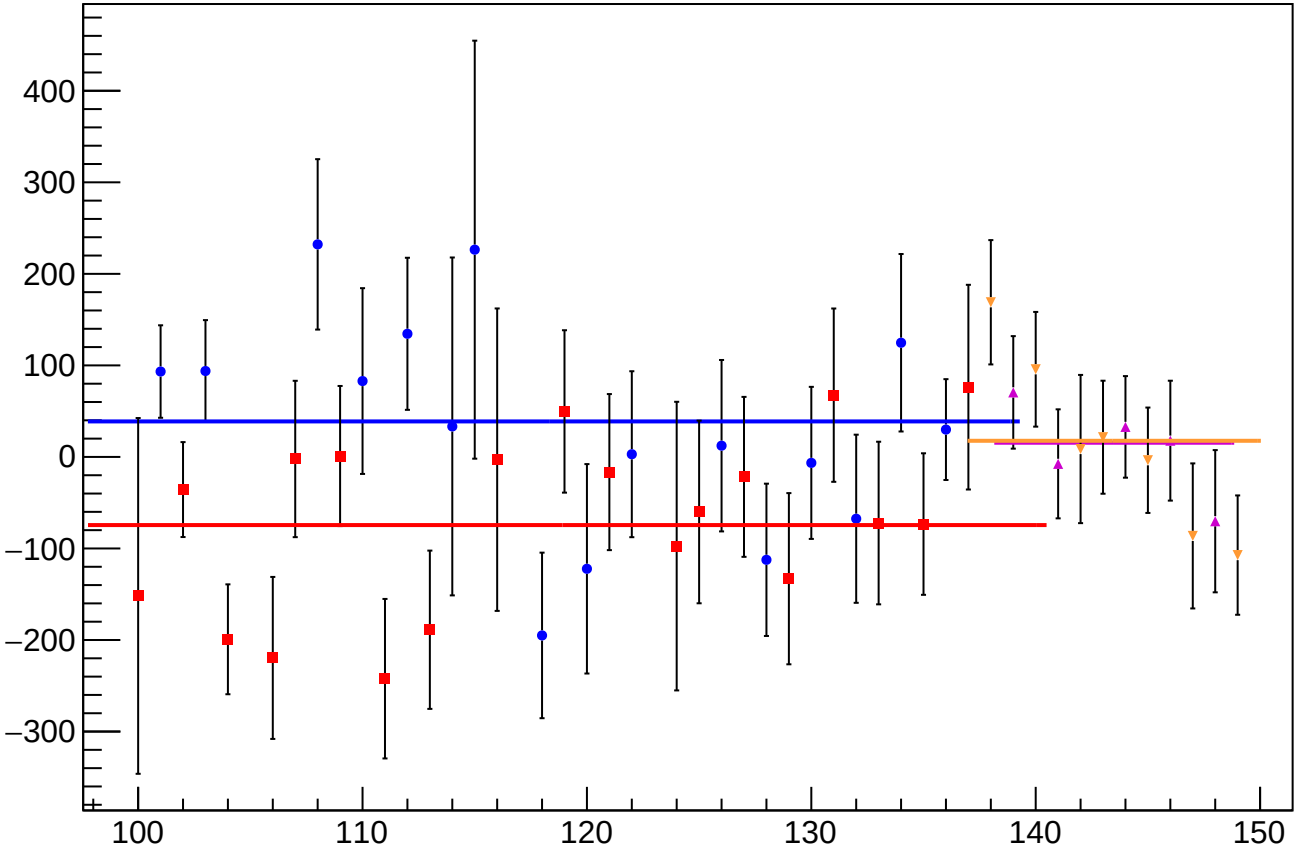
Left In: 320.494+/-0.110 χ^2/NDF:63632.0/4

+ sign 112.071+/-0.031 χ^2/NDF: 11538750.0/22

All: 119.591+/-0.023 χ^2/NDF: 20469619.2/46

- 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: 17.637+/-25.134 χ^2/NDF:12.1/6

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

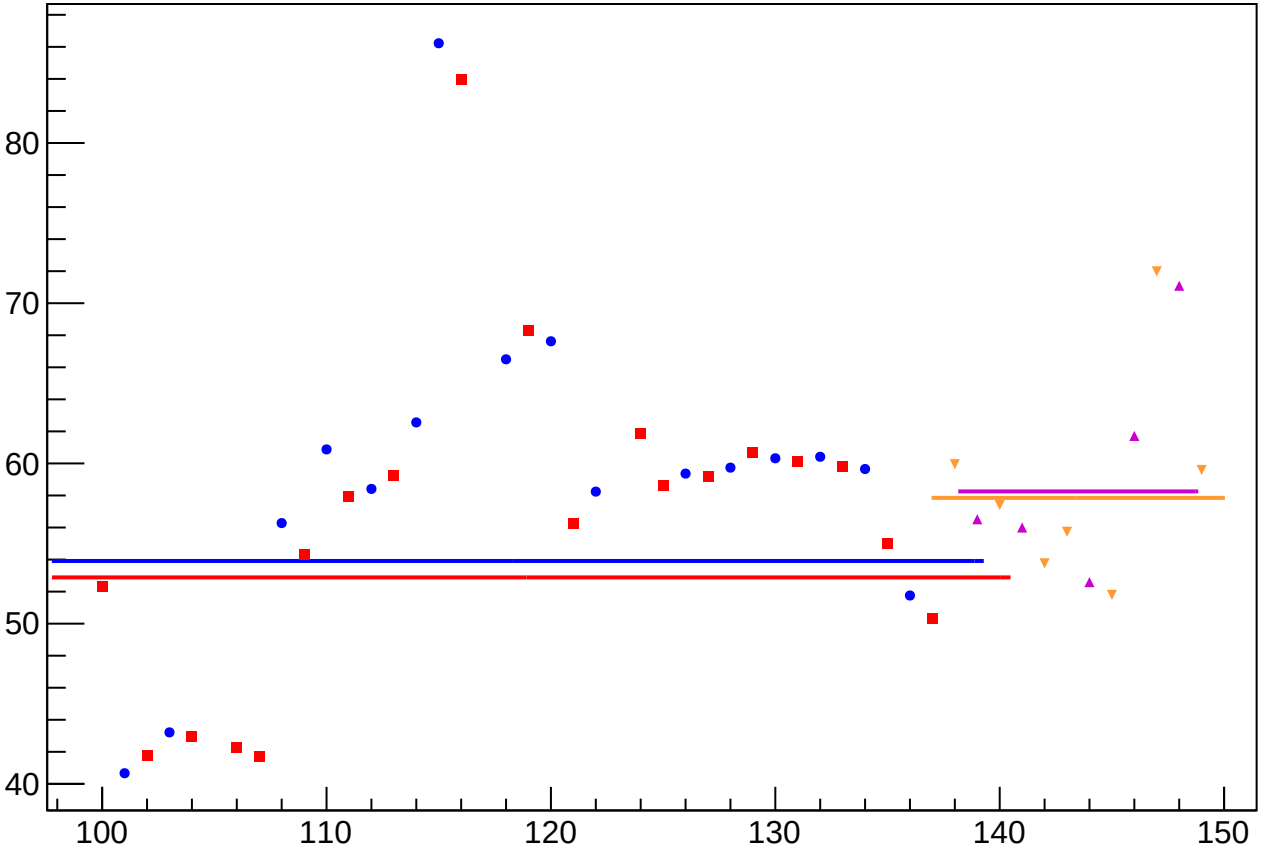
Left In: 15.511+/-28.056 χ^2/NDF:2.3/4

\+ sign 30.385+/-15.845 χ^2/NDF: 35.8/22

All: -6.293+/-11.320 χ^2/NDF: 78.2/46

\- 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: 57.850+/-0.018 χ^2/NDF:96680.2/6

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

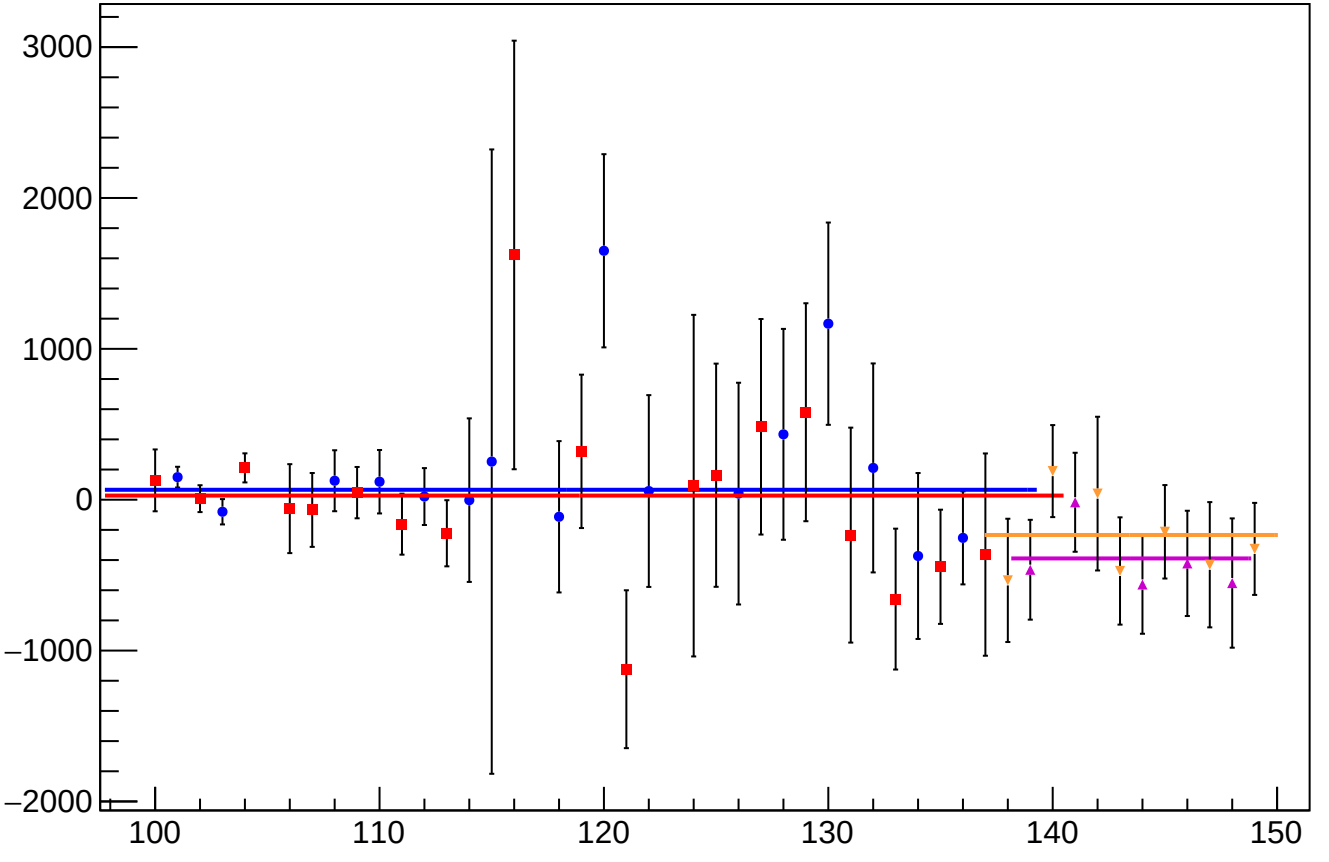
Left In: 58.254+/-0.020 χ^2/NDF:85483.7/4

+ sign 55.477+/-0.011 χ^2/NDF: 519525.6/22

All: 55.083+/-0.008 χ^2/NDF: 1081933.1/46

- 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: -233.733+/-134.260 χ^2/NDF:3.5/6

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

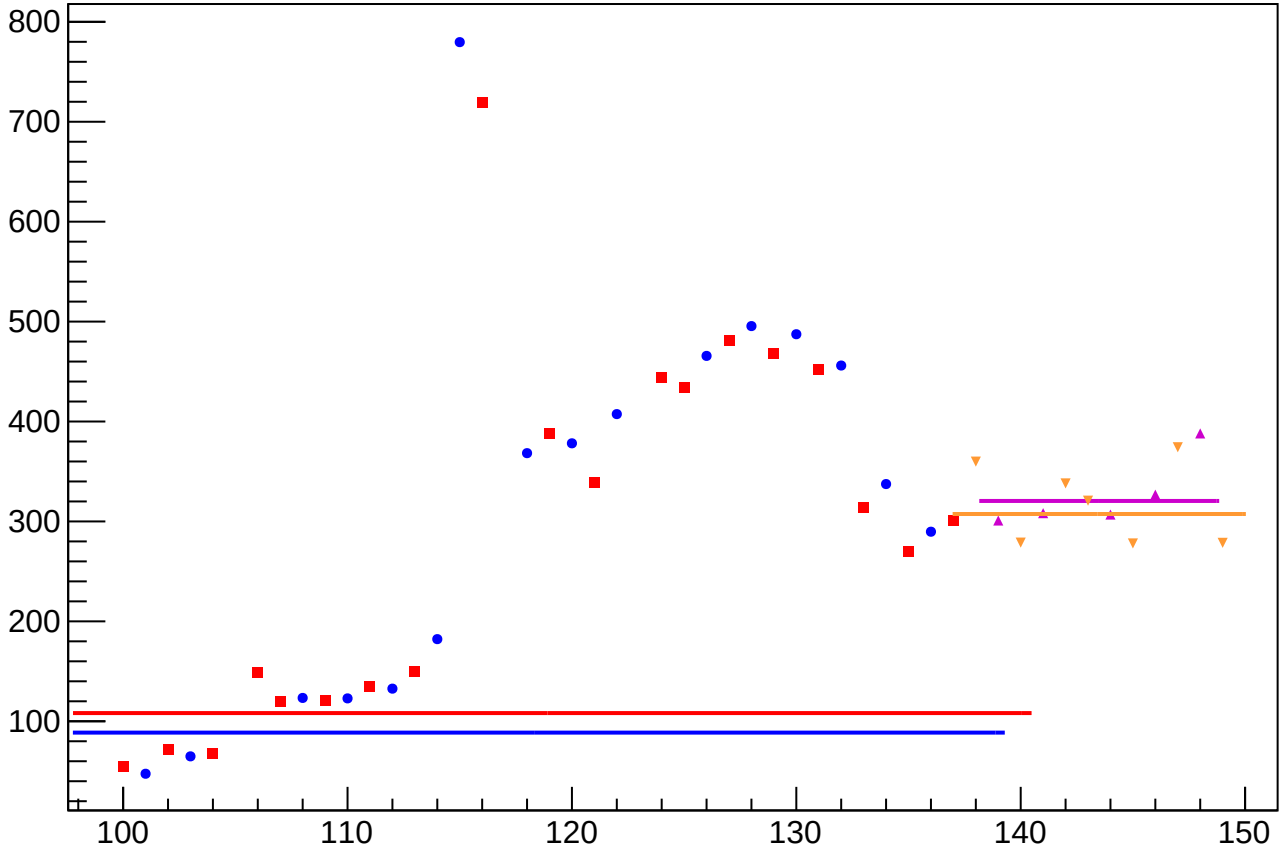
Left In: -389.212+/-155.313 χ^2/NDF:1.8/4

+ sign 33.797+/-43.920 χ^2/NDF: 23.7/22

All: 12.804+/-32.344 χ^2/NDF: 50.5/46

- 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: 307.436+/-0.095 χ^2/NDF:148369.5/6

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

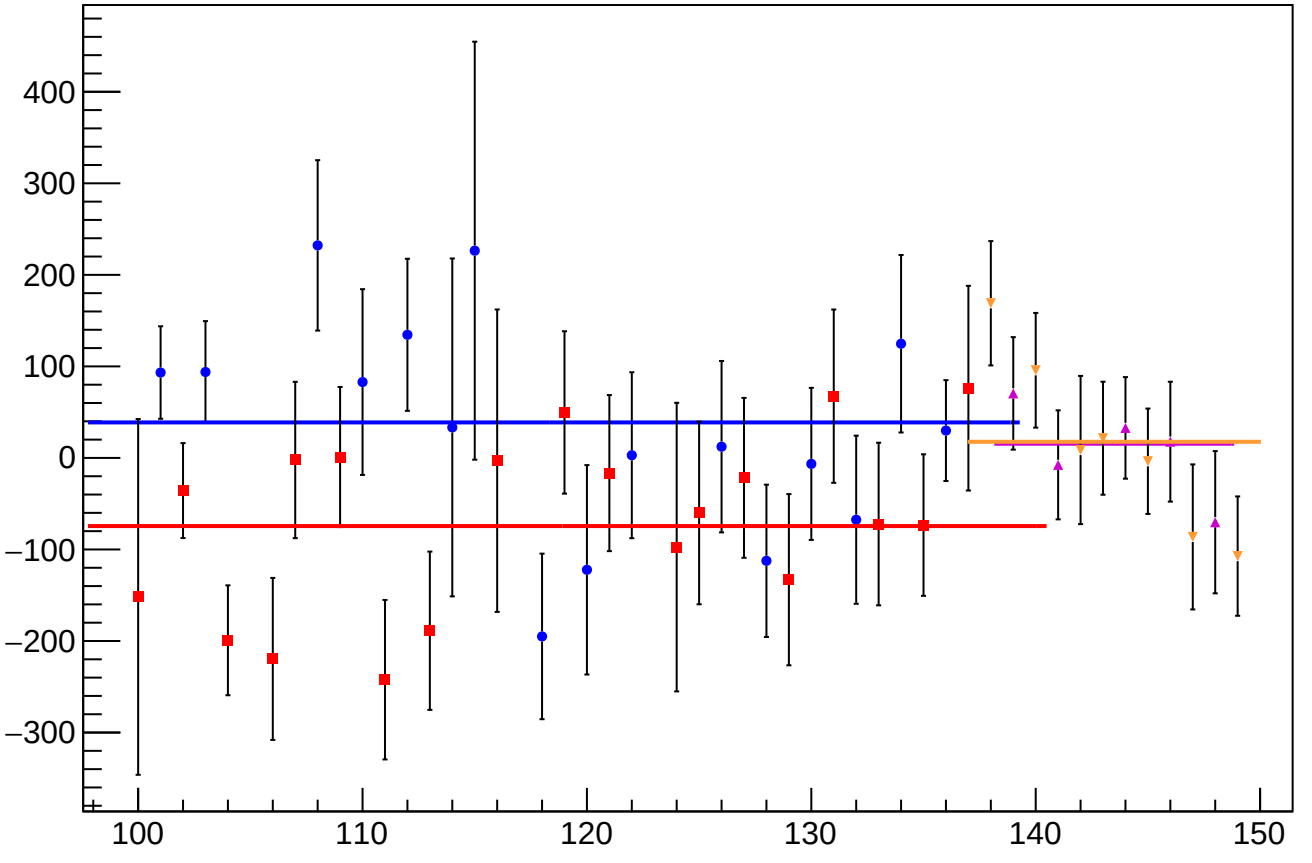
Left In: 320.494+/-0.110 χ^2/NDF:63632.3/4

+ sign 112.068+/-0.031 χ^2/NDF: 11538961.6/22

All: 119.507+/-0.023 χ^2/NDF: 20465256.5/46

- 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: 17.637+/-25.134 χ^2/NDF:12.1/6

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

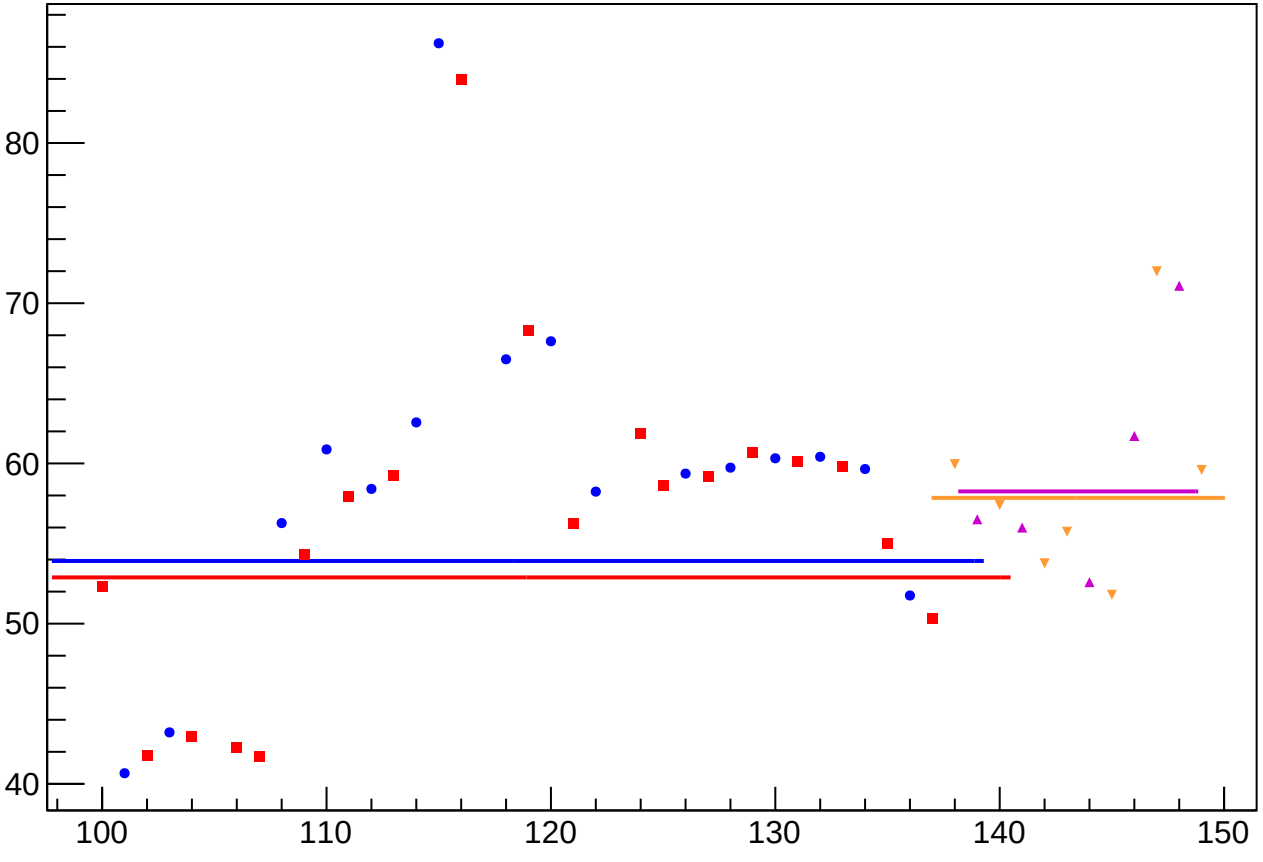
Left In: 15.511+/-28.056 χ^2/NDF:2.3/4

\+ sign 30.385+/-15.845 χ^2/NDF: 35.8/22

All: -6.293+/-11.320 χ^2/NDF: 78.2/46

\- 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: 57.850+/-0.018 χ^2/NDF:96680.2/6

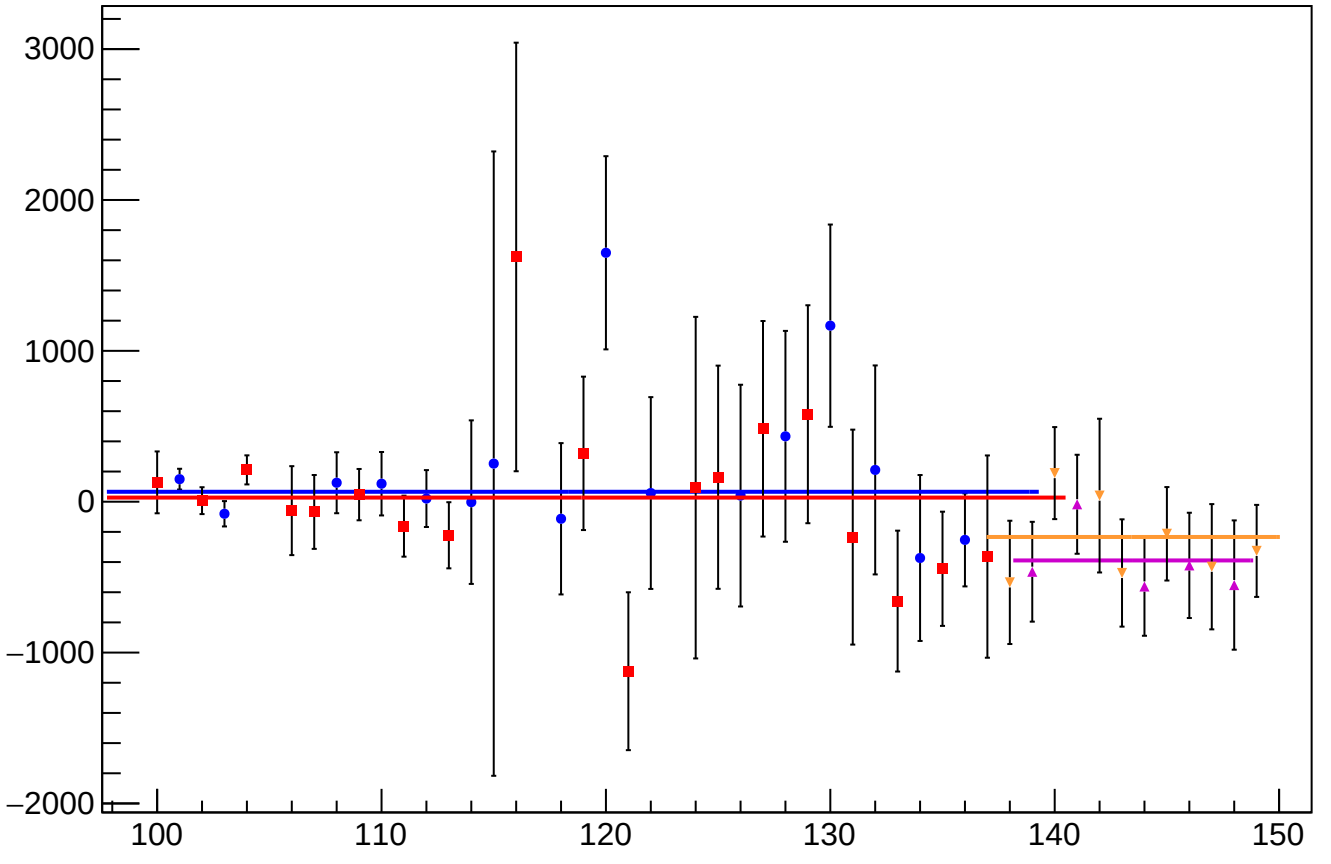
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 58.254+/-0.020 χ^2/NDF:85483.7/4

+ sign 55.477+/-0.011 χ^2/NDF: 519525.6/22

All: 55.083+/-0.008 χ^2/NDF: 1081933.1/46

- 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: -233.733+/-134.260 χ^2/NDF:3.5/6

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

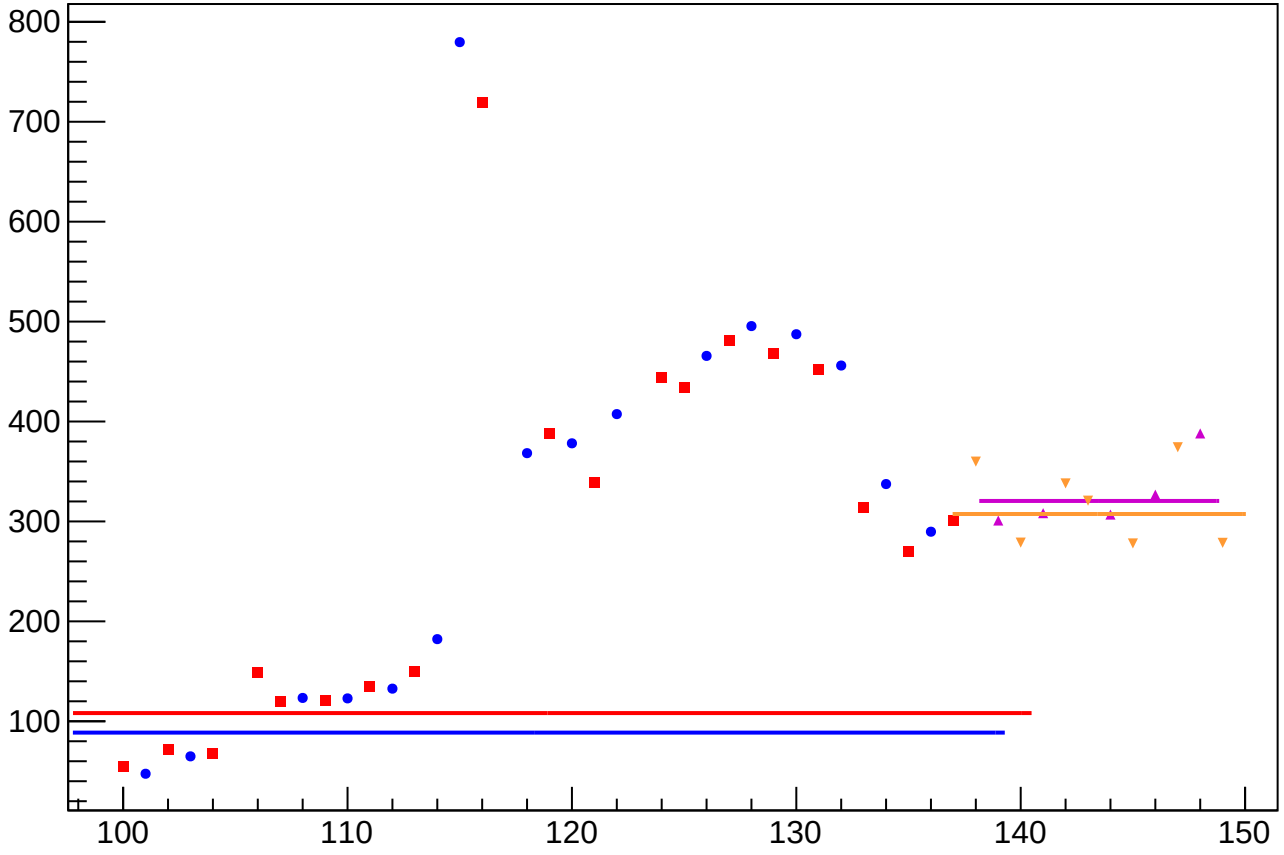
Left In: -389.212+/-155.313 χ^2/NDF:1.8/4

+ sign 33.797+/-43.920 χ^2/NDF: 23.7/22

All: 12.804+/-32.344 χ^2/NDF: 50.5/46

- sign -12.070+/-47.809 χ^2/NDF: 26.3/23

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 307.436+/-0.095 χ^2/NDF:148369.5/6

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

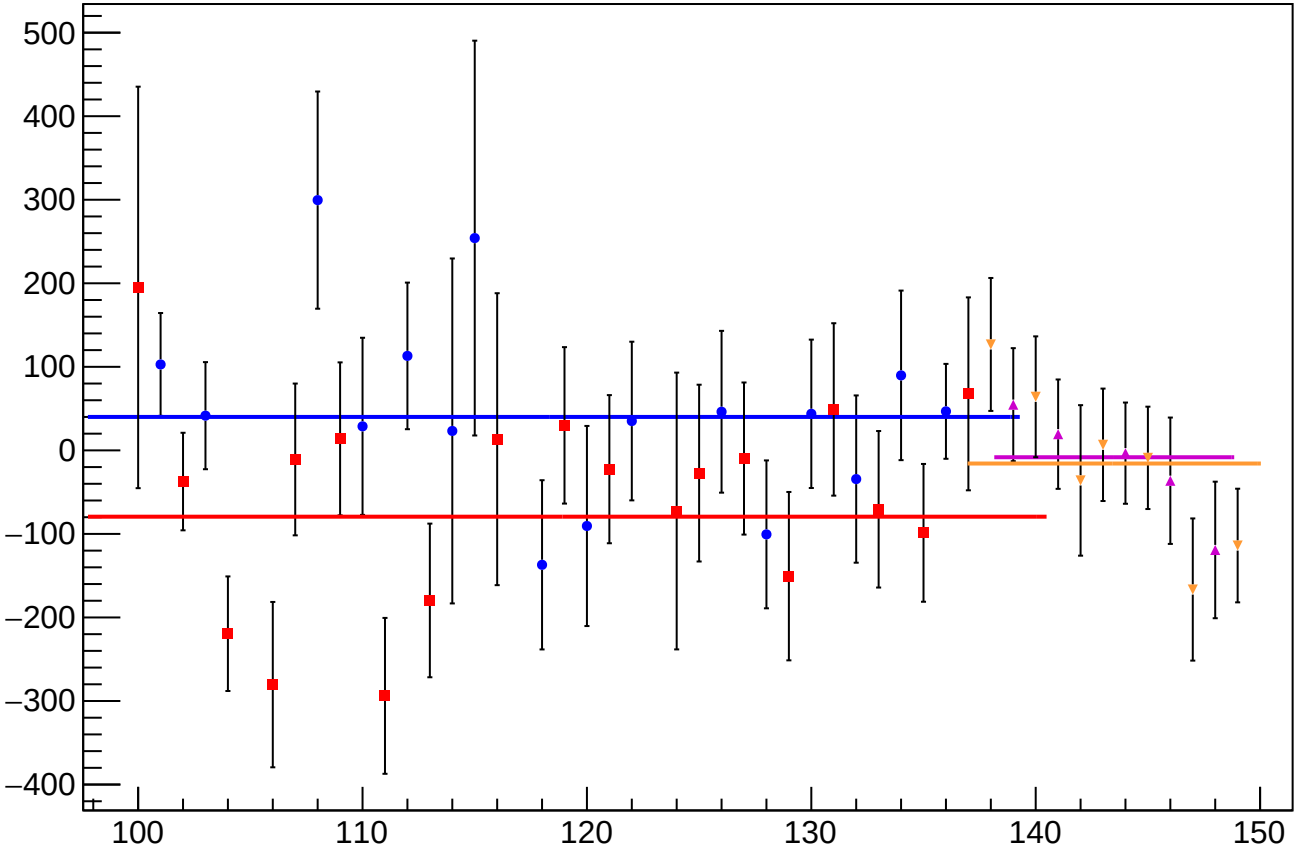
Left In: 320.494+/-0.110 χ^2/NDF:63632.3/4

+ sign 112.068+/-0.031 χ^2/NDF: 11538961.6/22

All: 119.507+/-0.023 χ^2/NDF: 20465256.5/46

- 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: -15.744+/-27.588 χ^2/NDF:9.8/6

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

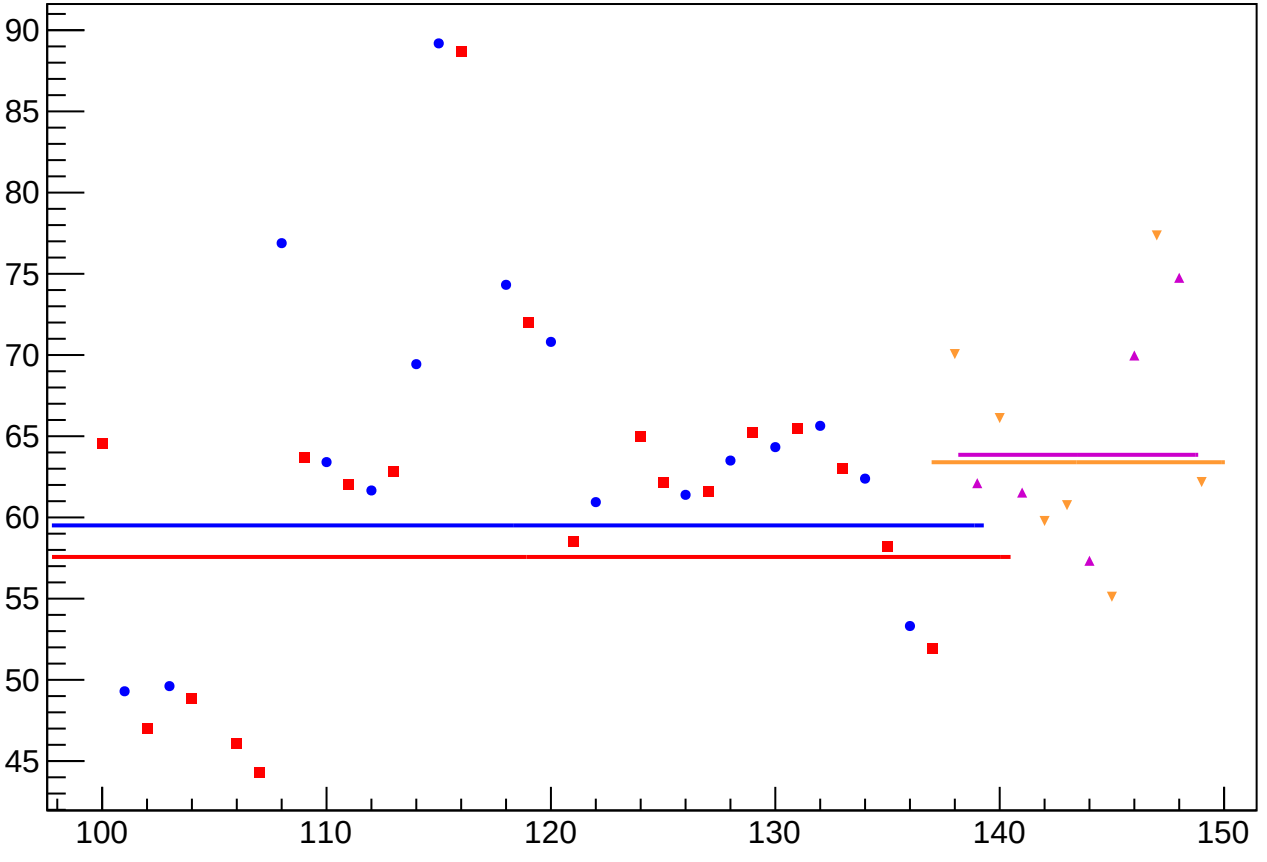
Left In: -8.220+/-30.876 χ^2/NDF:3.0/4

+ sign 17.733+/-17.443 χ^2/NDF: 26.4/22

All: -18.637+/-12.419 χ^2/NDF: 66.7/46

- 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: 63.399+/-0.020 χ^2/NDF:114201.9/6

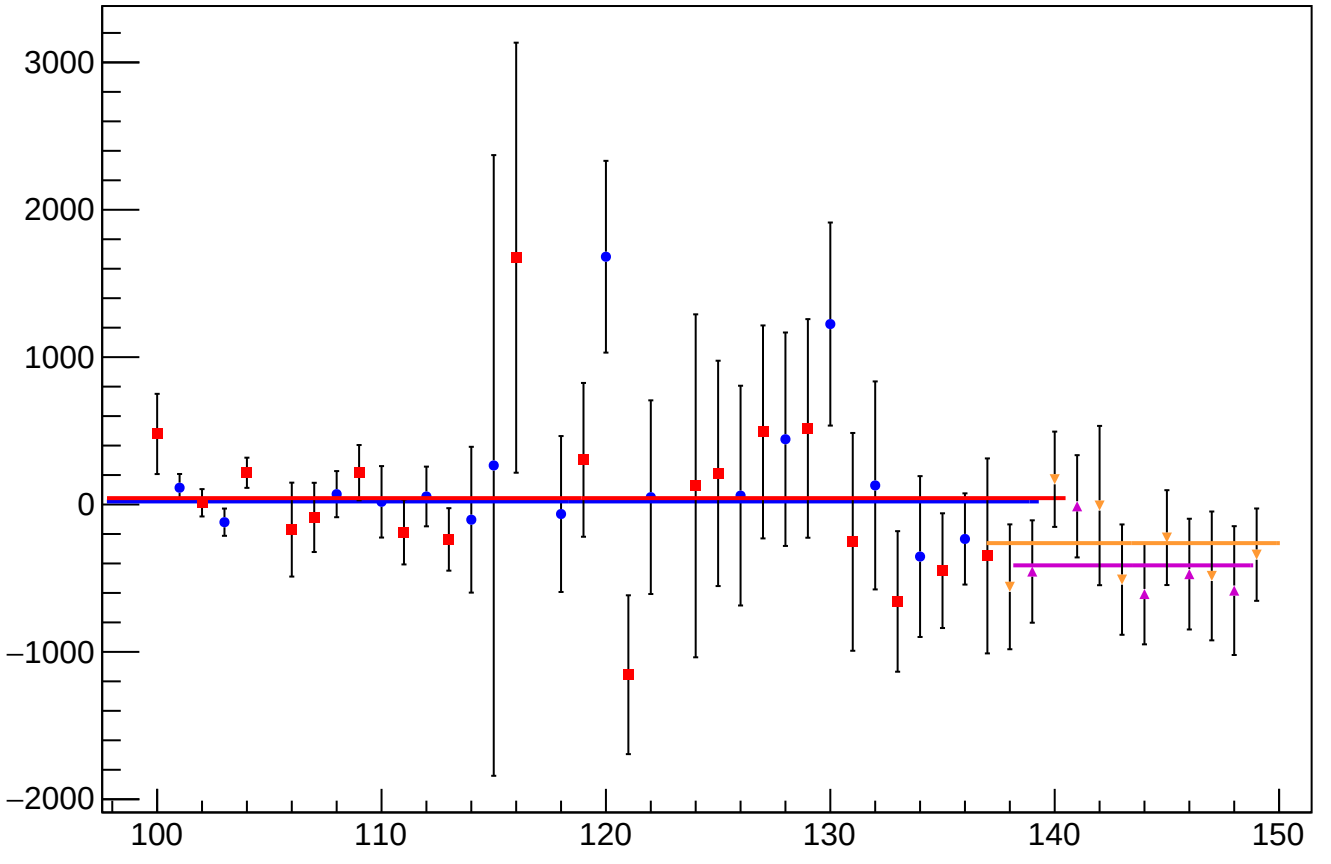
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 63.856+/-0.022 χ^2/NDF:75693.2/4

+ sign 61.064+/-0.012 χ^2/NDF: 421260.6/22

All: 60.357+/-0.009 χ^2/NDF: 906739.4/46

- sign 59.630+/-0.013 χ^2/NDF: 478818.7/23



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -261.954+/-140.348 χ^2/NDF:3.3/6

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

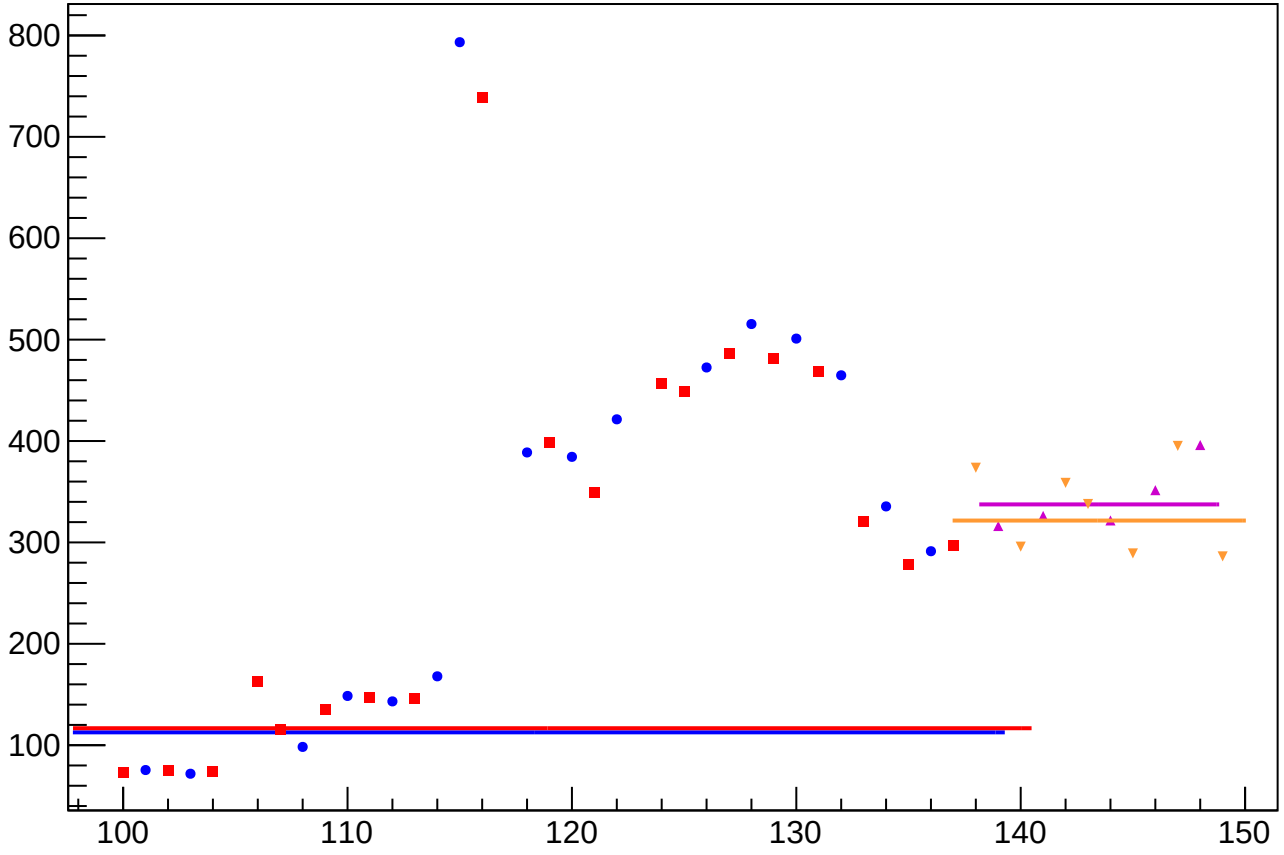
Left In: -412.821+/-163.348 χ^2/NDF:1.9/4

+ sign -15.139+/-50.061 χ^2/NDF: 21.4/22

All: -7.893+/-35.585 χ^2/NDF: 51.9/46

- 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: 321.558+/-0.099 χ^2/NDF:158643.8/6

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

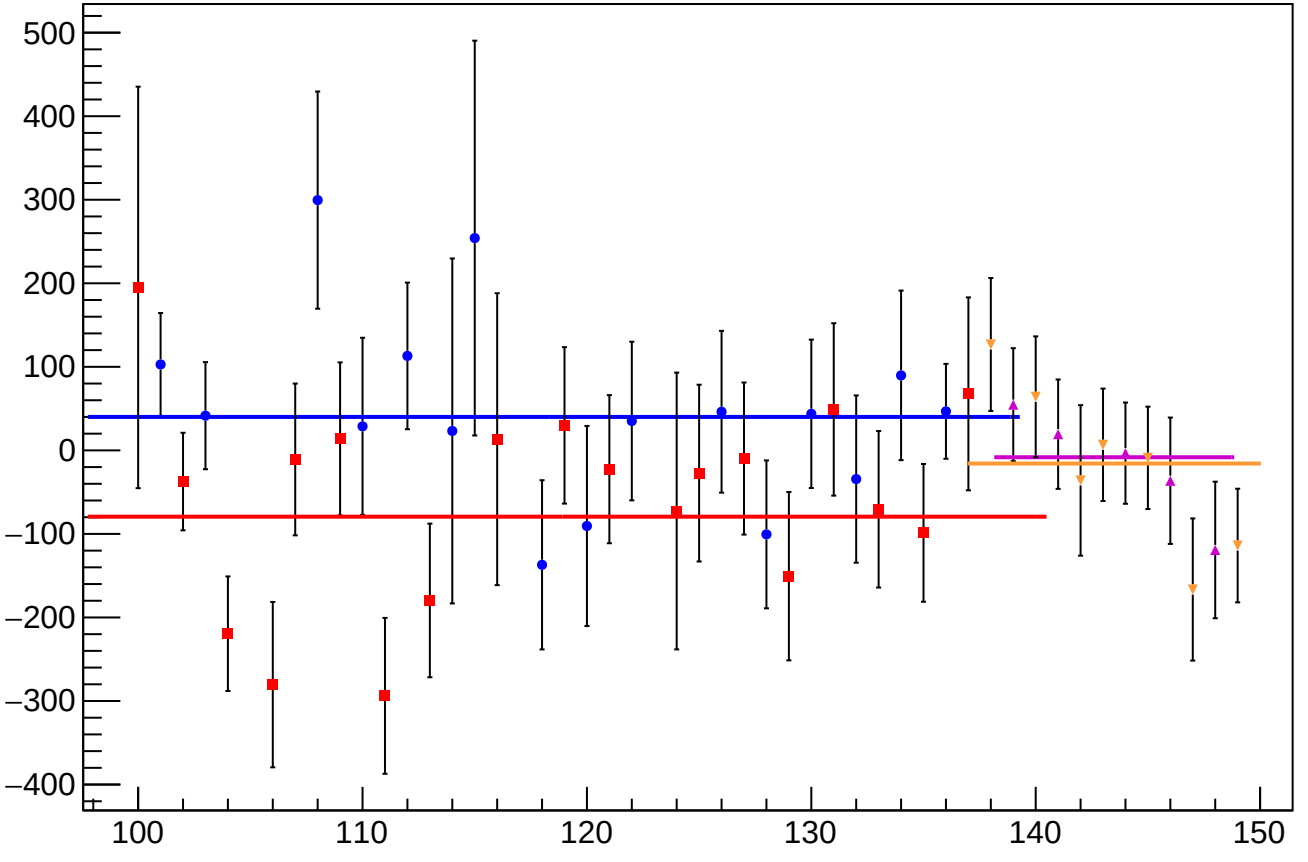
Left In: 337.488+/-0.116 χ^2/NDF:52647.8/4

+ sign 139.245+/-0.035 χ^2/NDF: 9625137.0/22

All: 138.585+/-0.025 χ^2/NDF: 18122261.4/46

- 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: -15.744+/-27.588 χ^2/NDF:9.8/6

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

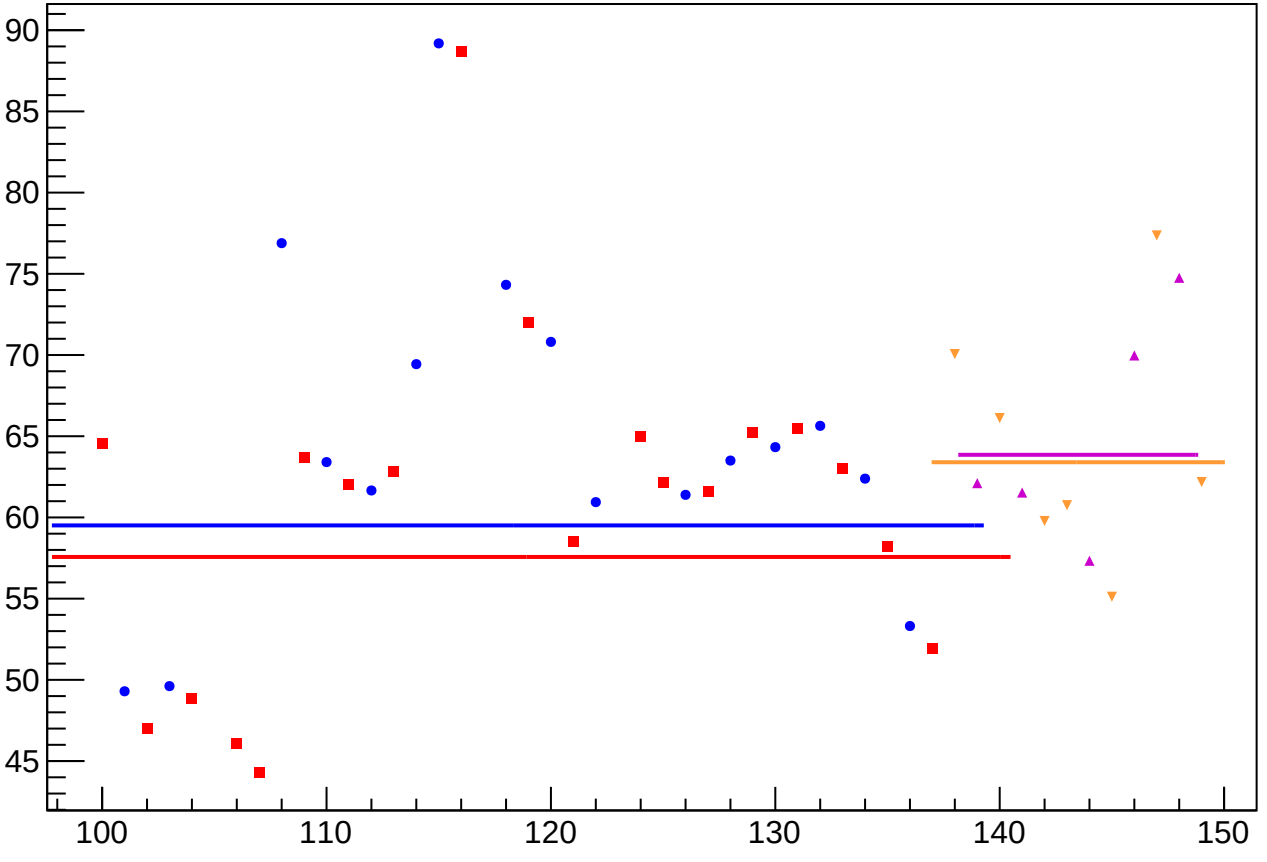
Left In: -8.221+/-30.877 χ^2/NDF:3.0/4

+ sign 17.733+/-17.443 χ^2/NDF: 26.4/22

All: -18.638+/-12.419 χ^2/NDF: 66.7/46

- 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: 63.399+/-0.020 χ^2/NDF:114205.9/6

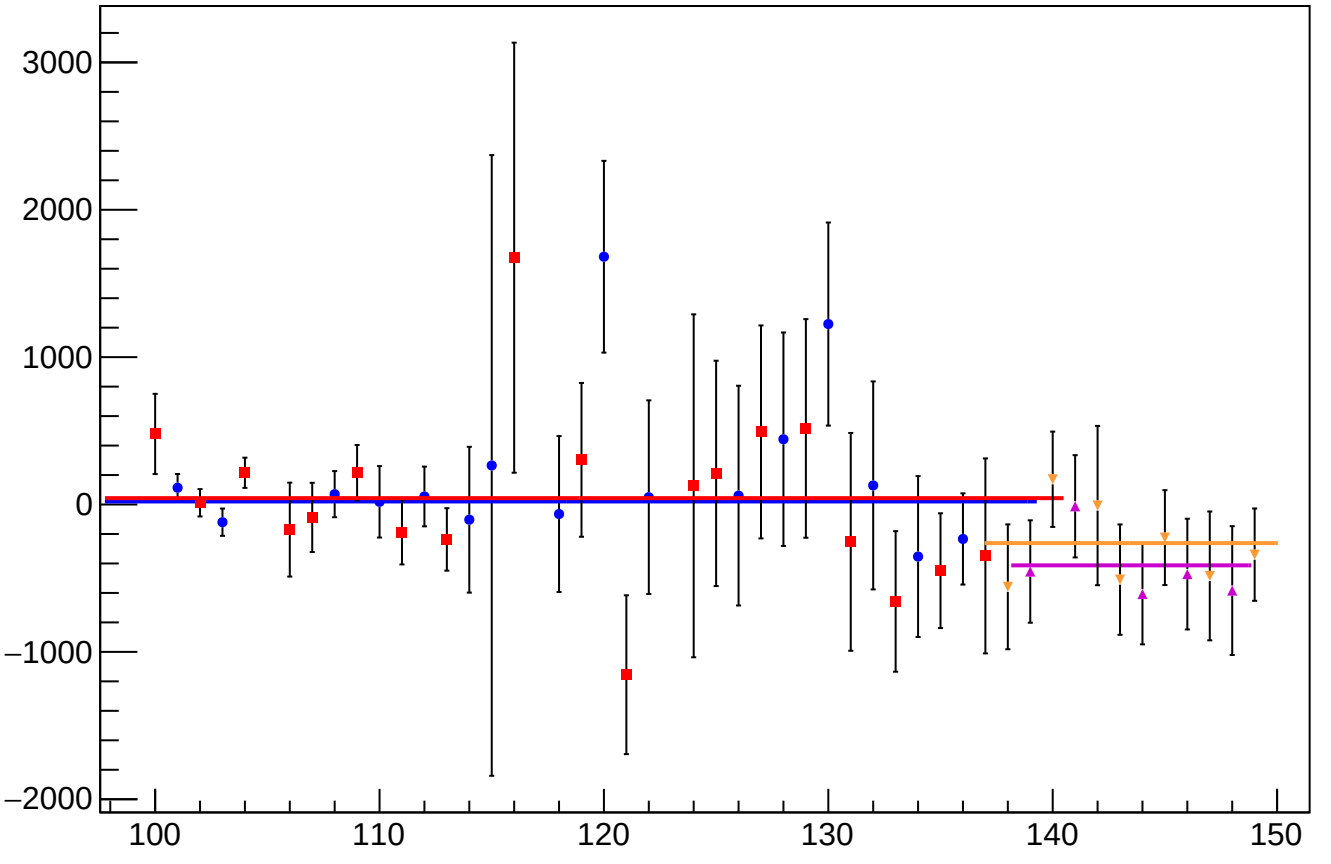
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 63.856+/-0.022 χ^2/NDF:75693.1/4

+ sign 61.064+/-0.012 χ^2/NDF: 421265.7/22

All: 60.357+/-0.009 χ^2/NDF: 906747.3/46

- 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: -261.955+/-140.348 χ^2/NDF:3.3/6

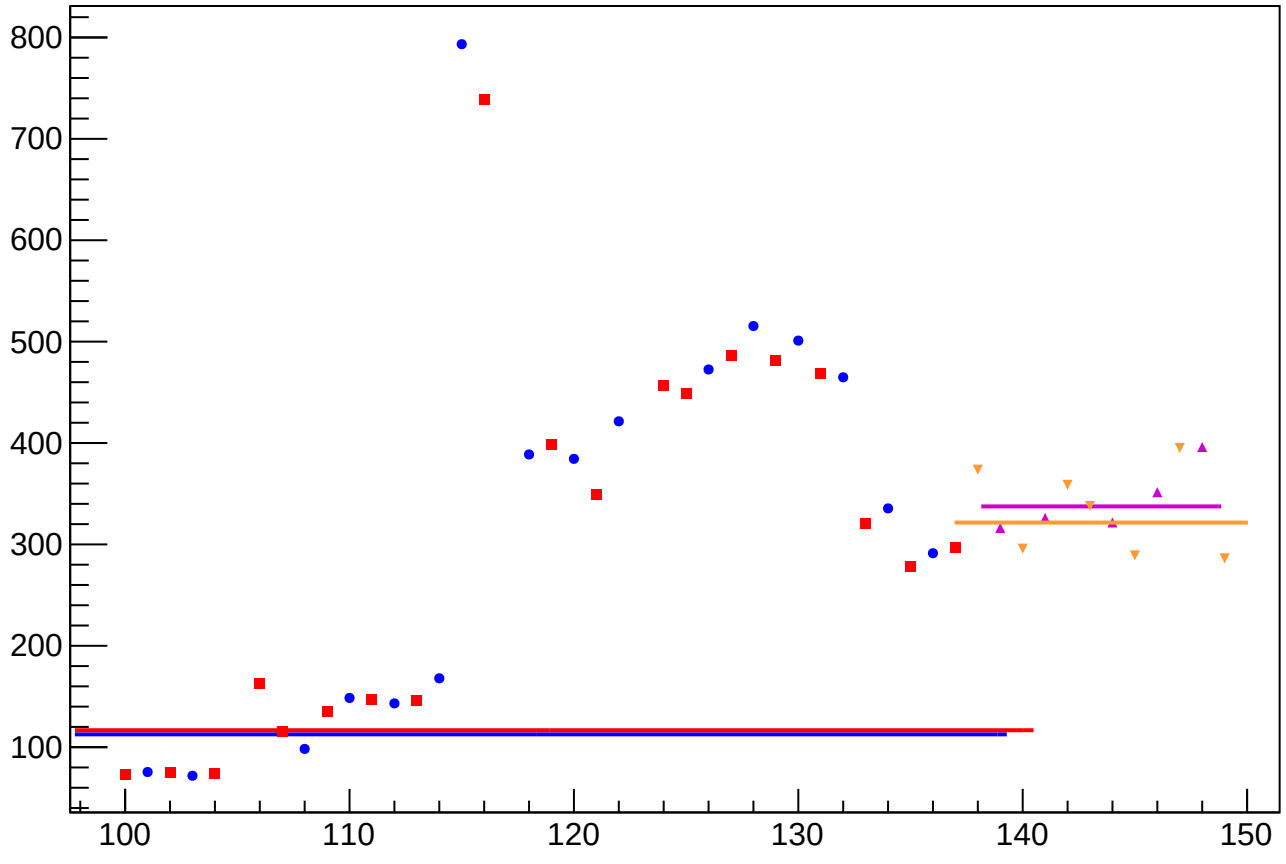
Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: -412.822+/-163.348 χ^2/NDF:1.9/4

+ sign -15.139+/-50.060 χ^2/NDF: 21.4/22

All: -7.893+/-35.585 χ^2/NDF: 51.9/46

- 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: 321.559+/-0.099 χ^2/NDF:158644.3/6

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

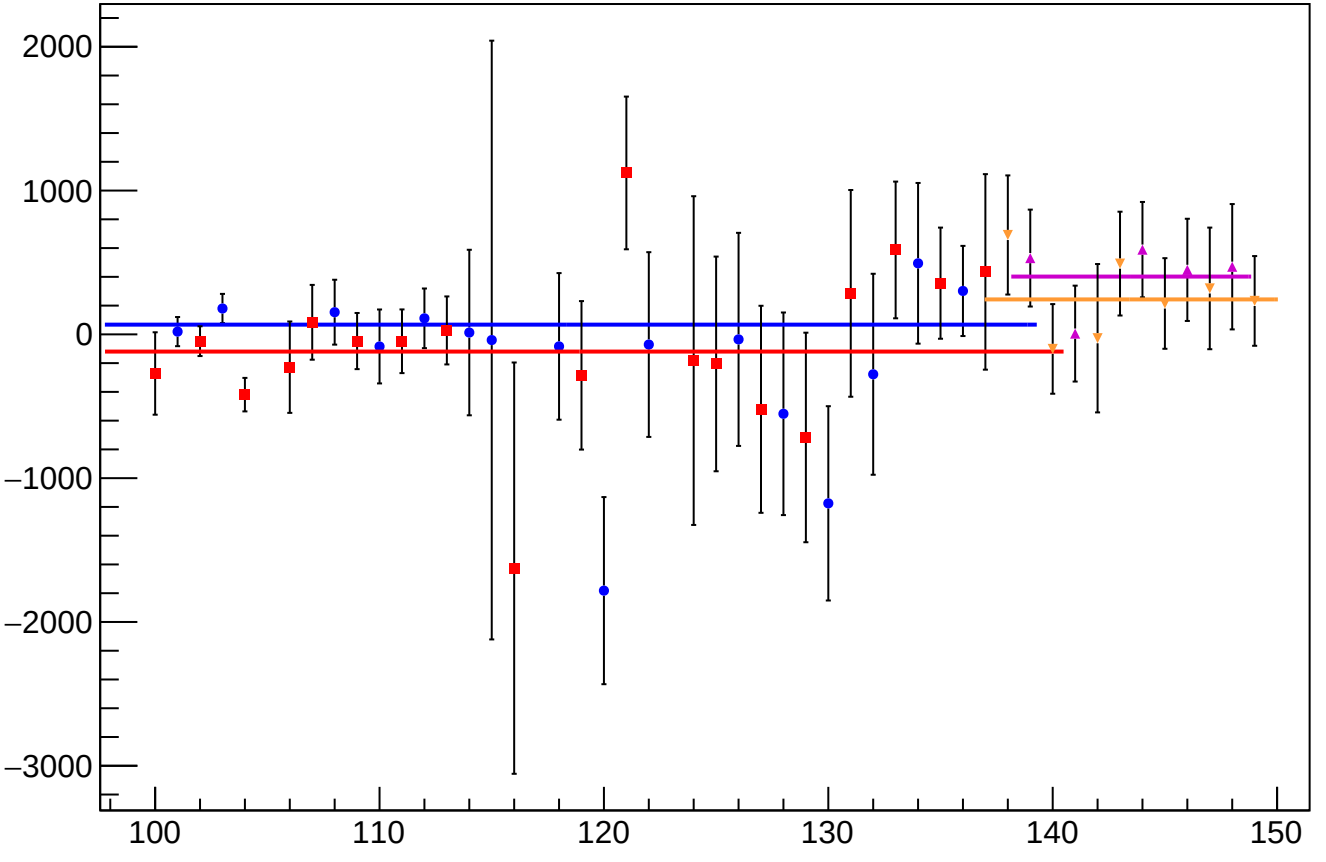
Left In: 337.489+/-0.116 χ^2/NDF:52648.7/4

+ sign 139.244+/-0.035 χ^2/NDF: 9625161.0/22

All: 138.584+/-0.025 χ^2/NDF: 18122313.5/46

- 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: 243.054+/-136.724 χ^2/NDF:3.2/6

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

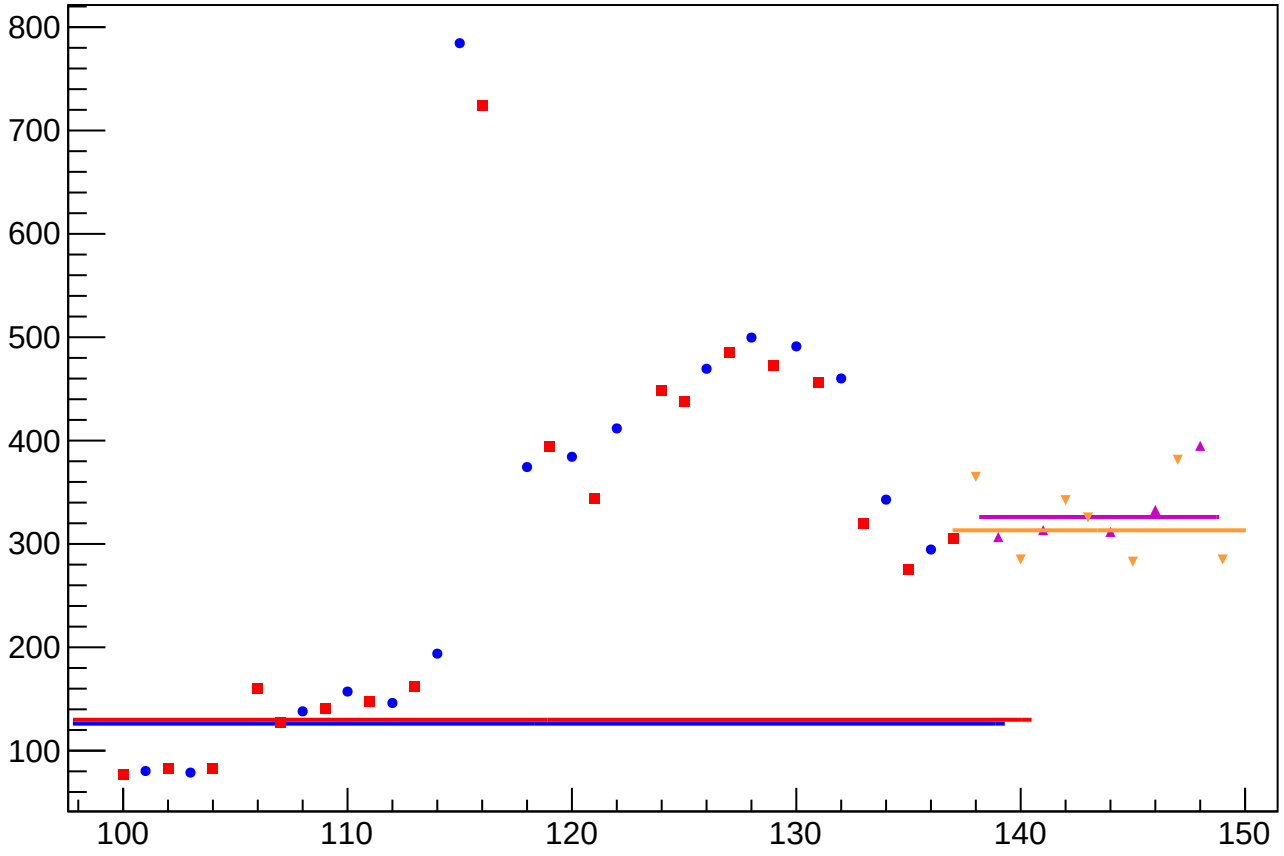
Left In: 401.873+/-157.965 χ^2/NDF:1.9/4

+ sign 95.294+/-54.302 χ^2/NDF: 20.4/22

All: 18.886+/-38.431 χ^2/NDF: 57.0/46

- 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: 313.209+/-0.097 χ^2/NDF:143410.1/6

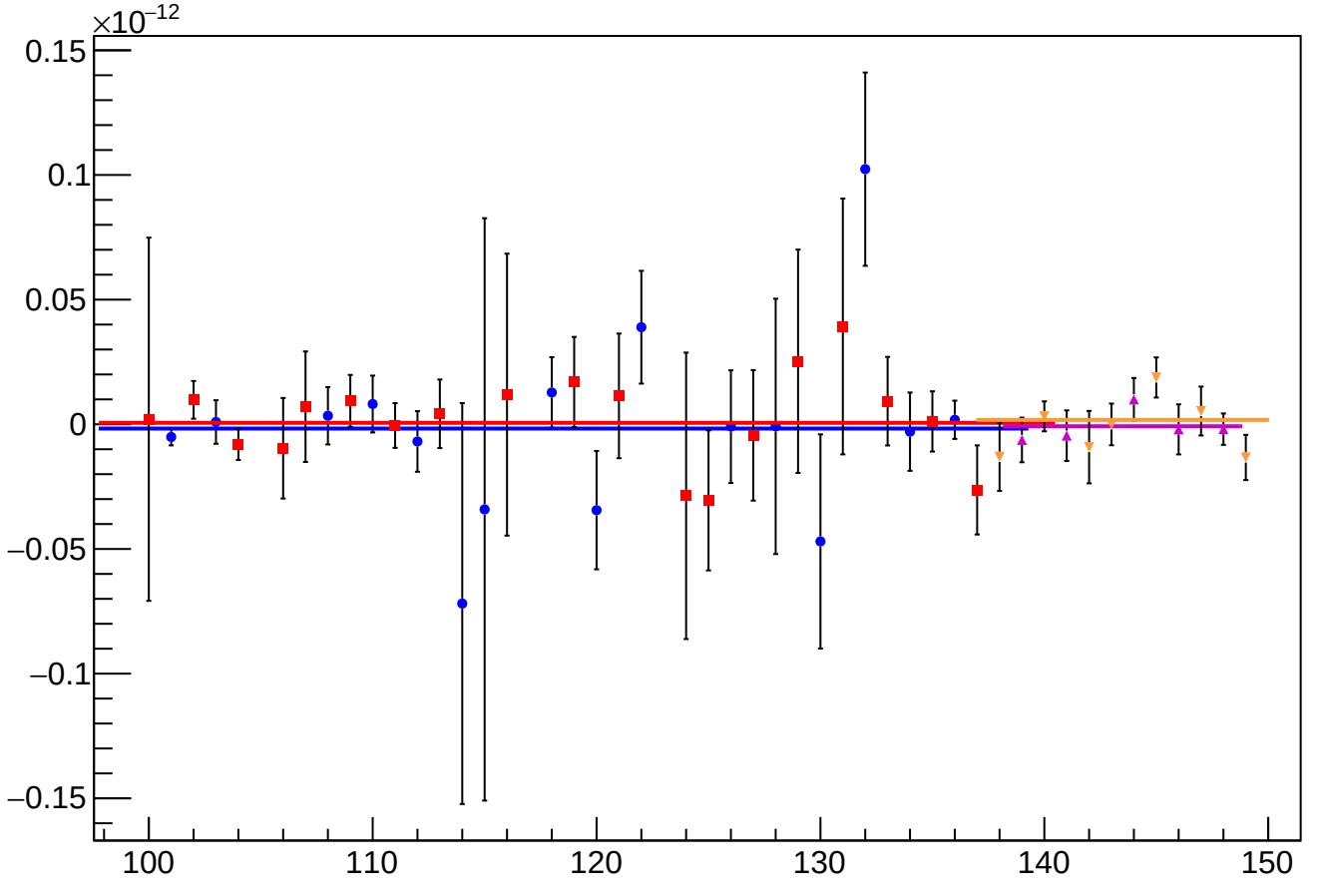
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 326.102+/-0.112 χ^2/NDF:63914.2/4

+ sign 155.660+/-0.038 χ^2/NDF: 8516547.6/22

All: 154.422+/-0.027 χ^2/NDF: 15949382.1/46

- sign 153.180+/-0.038 χ^2/NDF: 7430751.8/23



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

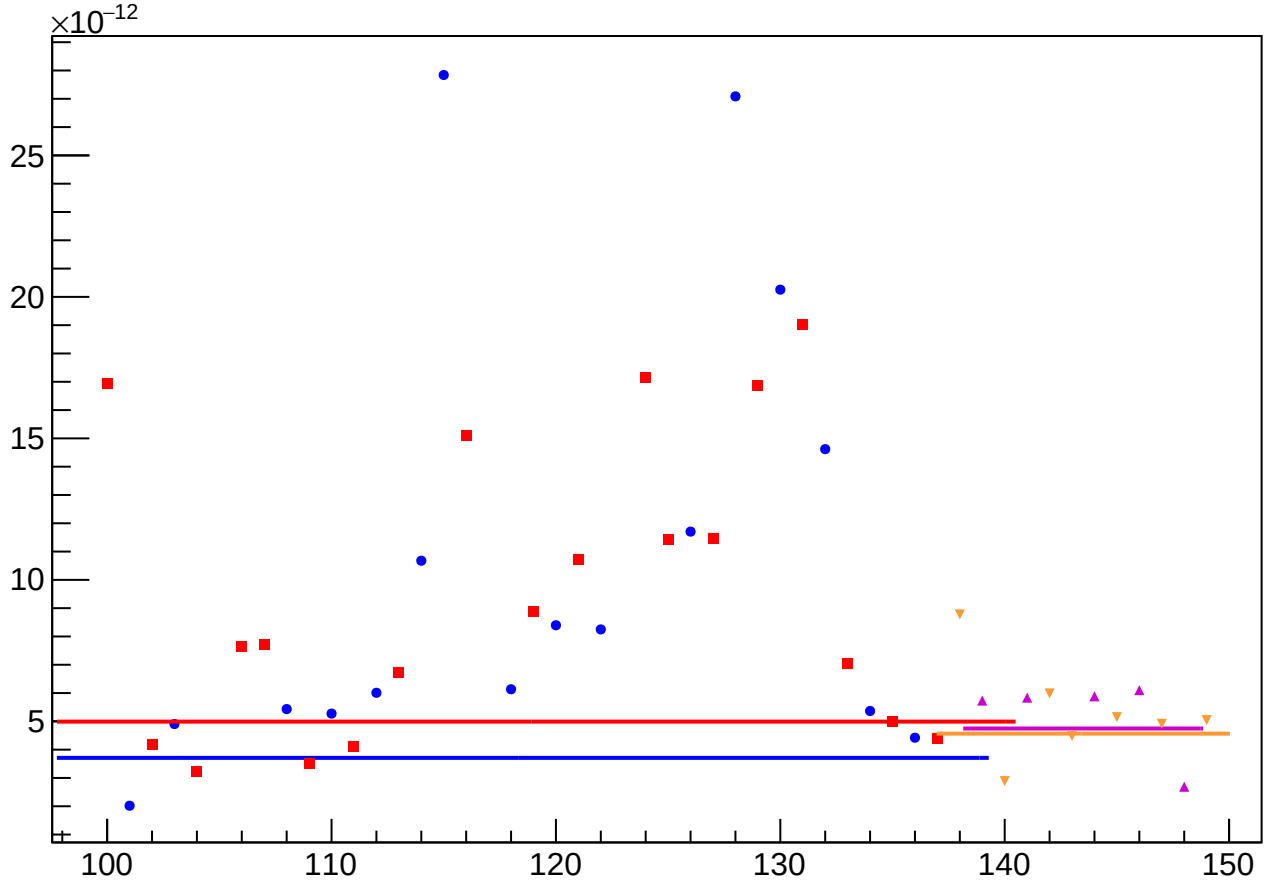
Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 27.7/22

All: -0.000+/-0.000 χ^2/NDF: 40.4/46

- sign 0.000+/-0.000 χ^2/NDF: 12.8/23

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:384817.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

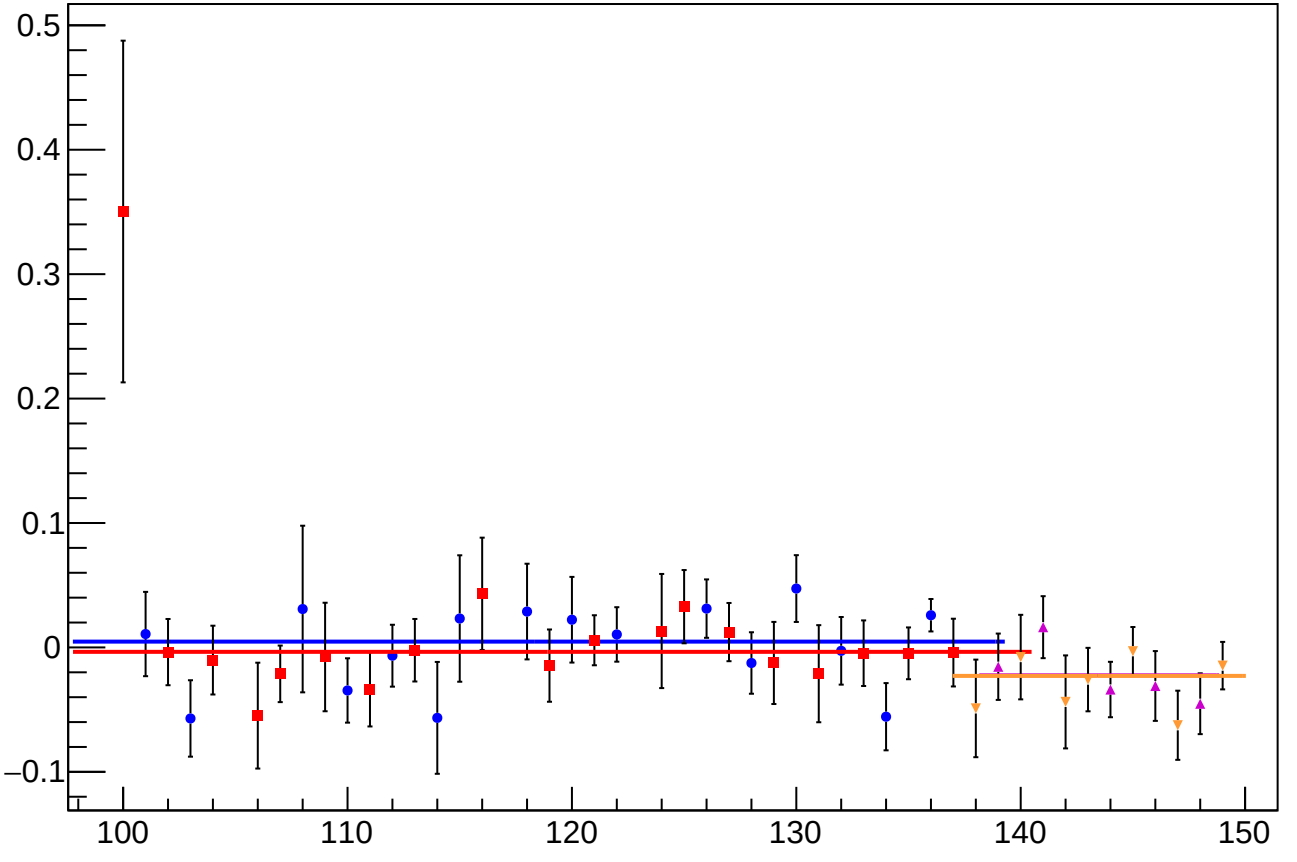
Left In: 0.000+/-0.000 χ^2/NDF:332766.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 2641039.7/22

All: 0.000+/-0.000 χ^2/NDF: 4423457.3/46

- 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: -0.023+/-0.010 χ^2/NDF:4.2/6

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

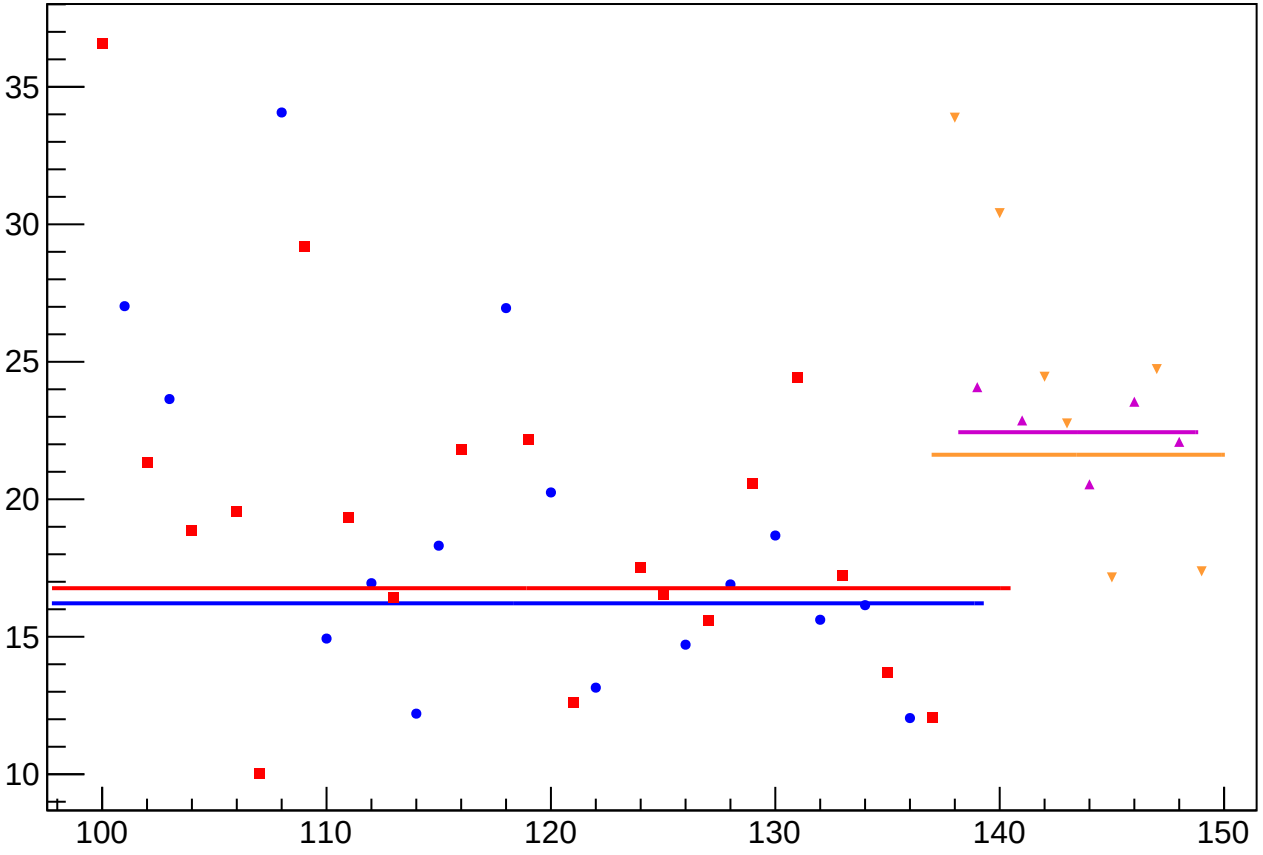
Left In: -0.022+/-0.011 χ^2/NDF:3.7/4

+ sign -0.004+/-0.005 χ^2/NDF: 31.1/22

All: -0.006+/-0.004 χ^2/NDF: 50.9/46

- 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: 21.620+/-0.007 χ^2/NDF:573497.8/6

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

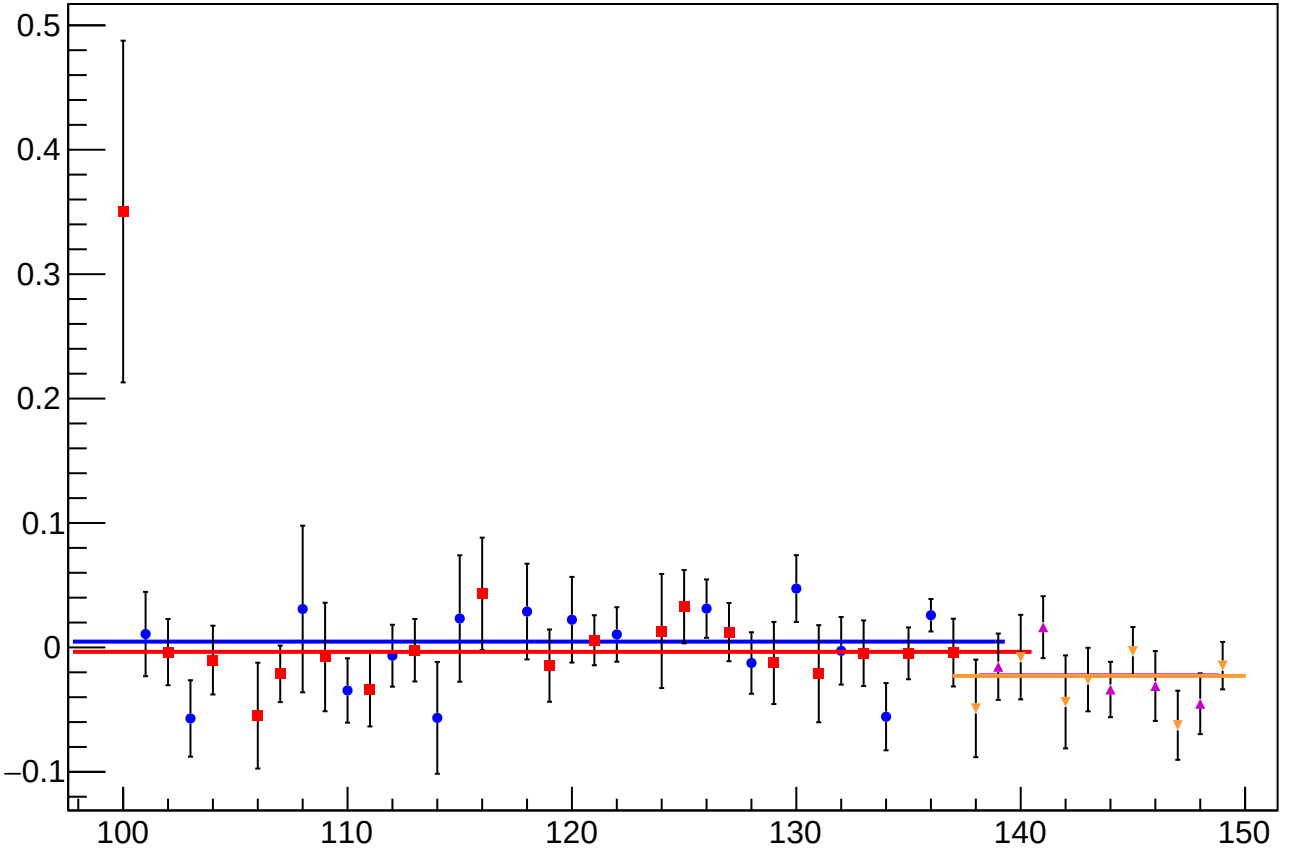
Left In: 22.440+/-0.008 χ^2/NDF:26164.8/4

+ sign 17.894+/-0.004 χ^2/NDF: 1937975.2/22

All: 18.058+/-0.003 χ^2/NDF: 3215096.4/46

- 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: -0.023+/-0.010 χ^2/NDF:4.2/6

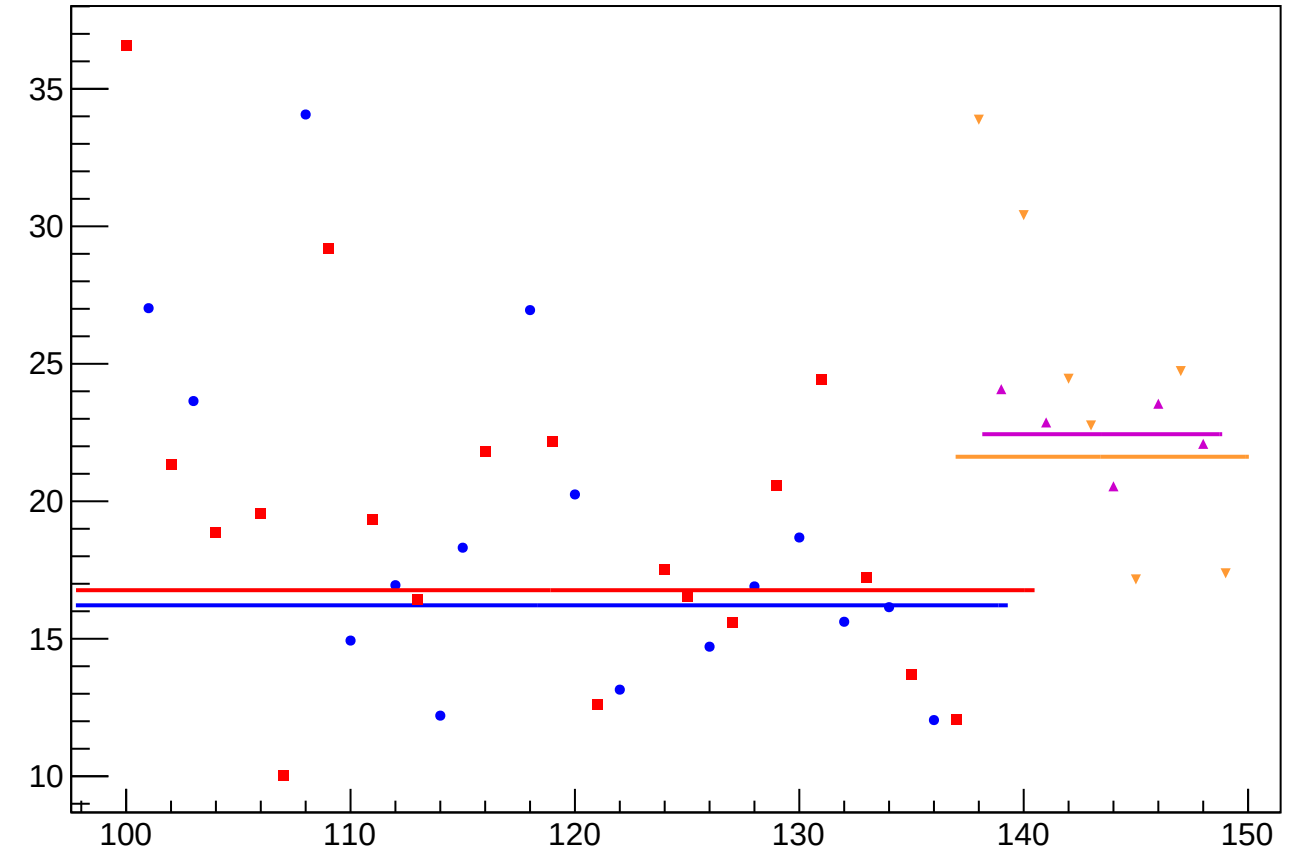
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.022+/-0.011 χ^2/NDF:3.7/4

+ sign -0.004+/-0.005 χ^2/NDF: 31.1/22

All: -0.006+/-0.004 χ^2/NDF: 50.9/46

- sign -0.008+/-0.006 χ^2/NDF: 19.4/23



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 21.620+/-0.007 χ^2/NDF:573497.8/6

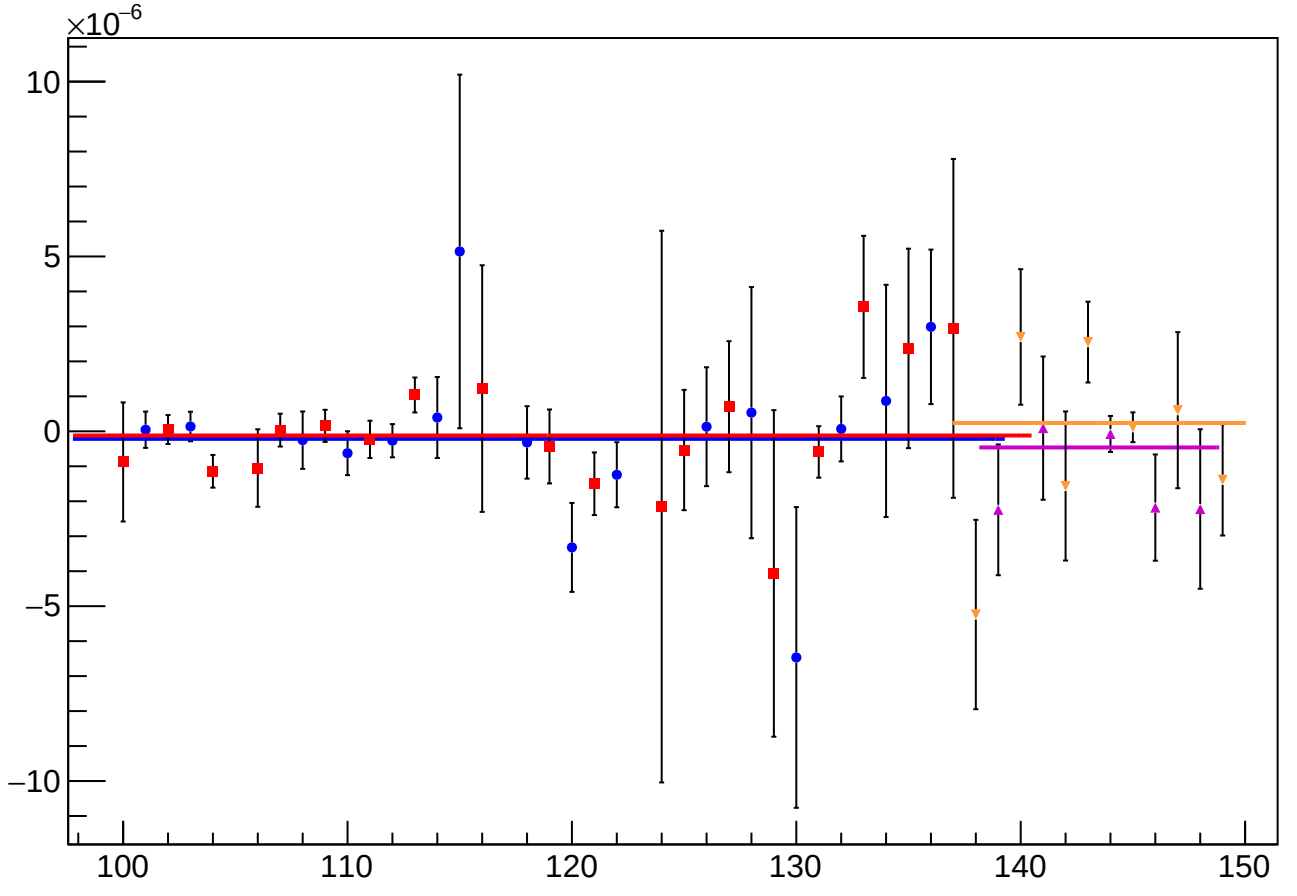
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 22.440+/-0.008 χ^2/NDF:26164.8/4

+ sign 17.894+/-0.004 χ^2/NDF: 1937975.2/22

All: 18.058+/-0.003 χ^2/NDF: 3215096.4/46

- sign 18.238+/-0.004 χ^2/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:11.6/6

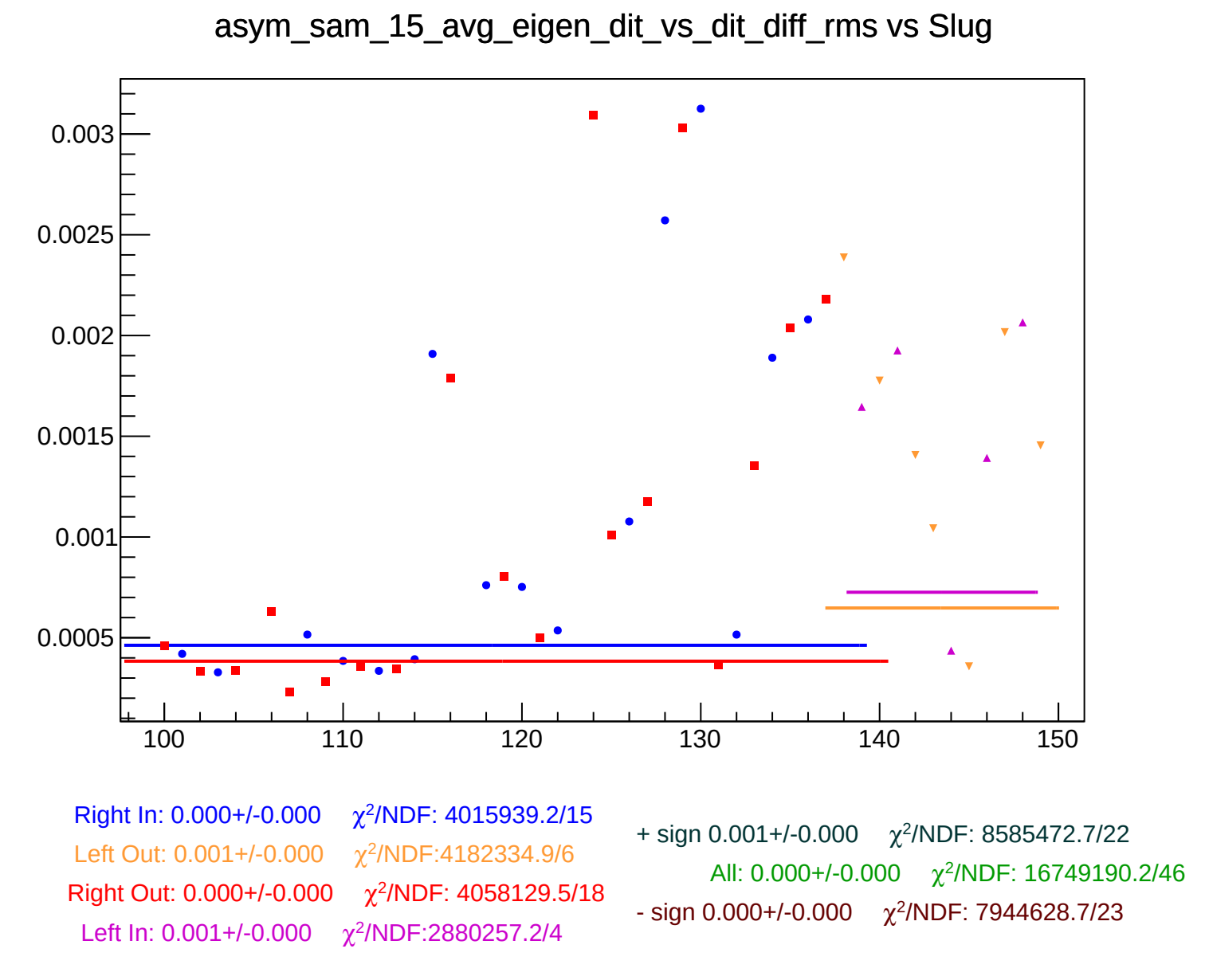
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/4

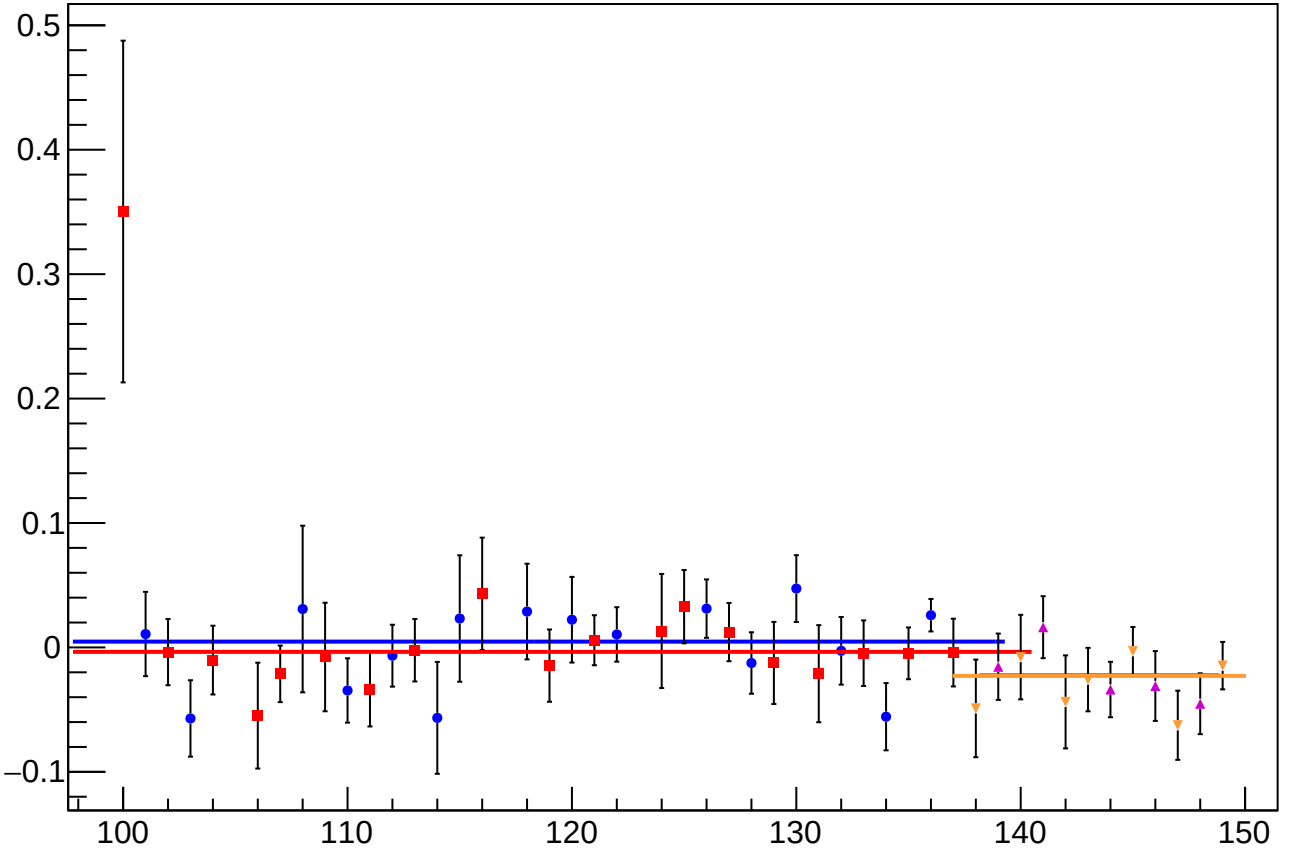
+ sign -0.000+/-0.000 χ^2/NDF: 27.2/22

All: -0.000+/-0.000 χ^2/NDF: 51.4/46

- 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
0.0005
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:4182334.9/6
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:2880257.2/4
+ sign 0.001+/-0.000 χ²/NDF: 8585472.7/22
All: 0.000+/-0.000 χ²/NDF: 16749190.2/46
- 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: -0.023+/-0.010 χ^2/NDF:4.2/6

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

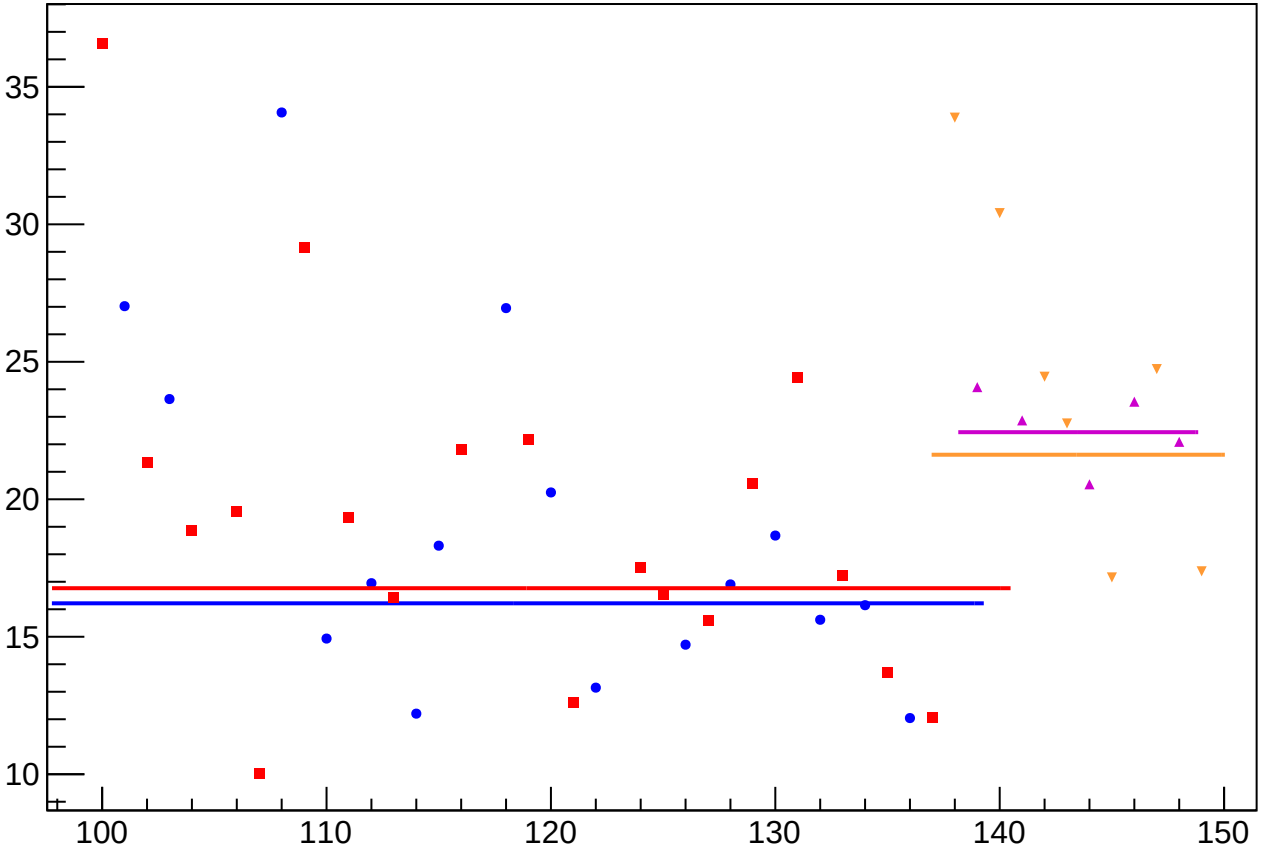
Left In: -0.022+/-0.011 χ^2/NDF:3.7/4

+ sign -0.004+/-0.005 χ^2/NDF: 31.1/22

All: -0.006+/-0.004 χ^2/NDF: 50.9/46

- sign -0.008+/-0.006 χ^2/NDF: 19.4/23

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 21.620+/-0.007 χ^2/NDF:573534.1/6

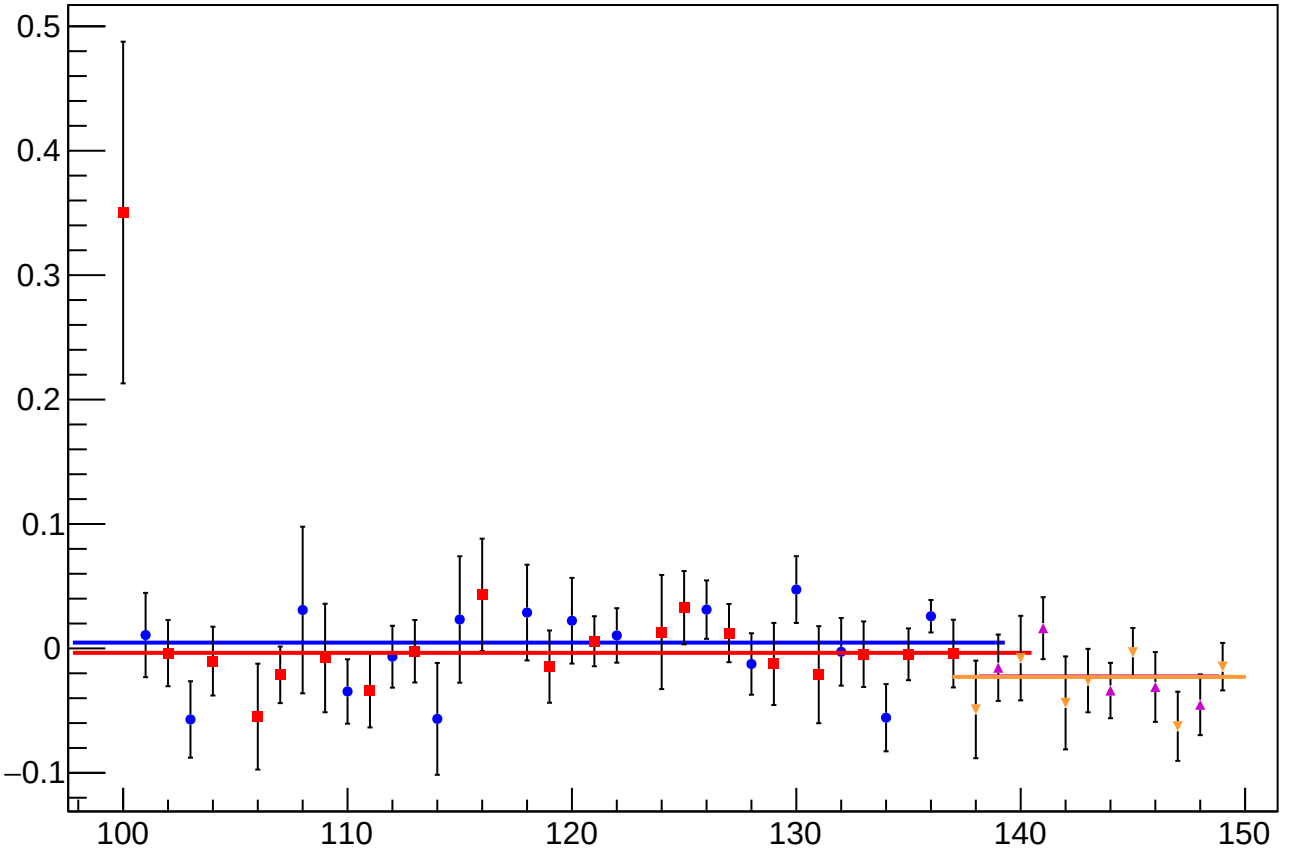
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.440+/-0.008 χ^2/NDF:26178.6/4

\+ sign 17.894+/-0.004 χ^2/NDF: 1938041.3/22

All: 18.058+/-0.003 χ^2/NDF: 3215261.8/46

\- sign 18.238+/-0.004 χ^2/NDF: 1273411.4/23



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.023+/-0.010 χ^2/NDF:4.2/6

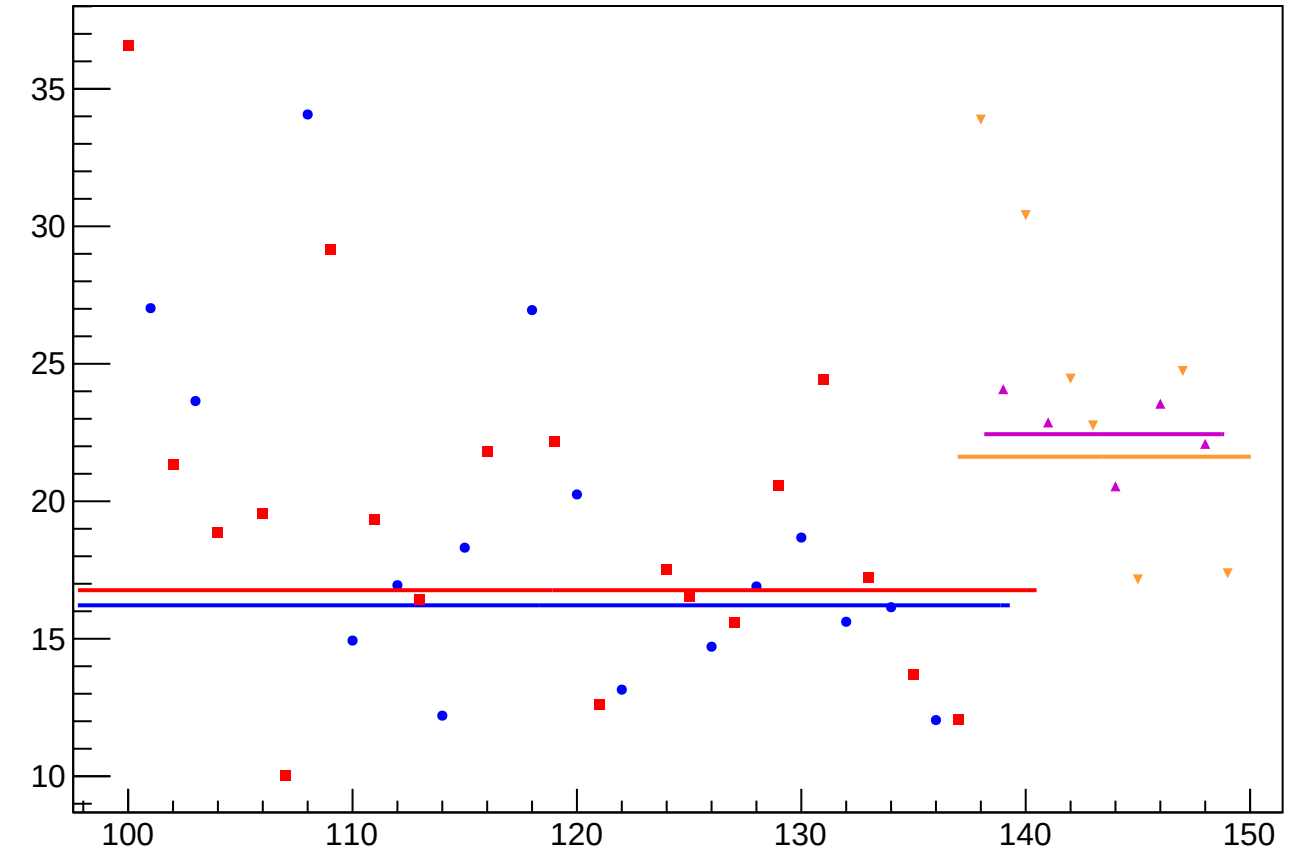
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.022+/-0.011 χ^2/NDF:3.7/4

+ sign -0.004+/-0.005 χ^2/NDF: 31.1/22

All: -0.006+/-0.004 χ^2/NDF: 50.9/46

- sign -0.008+/-0.006 χ^2/NDF: 19.4/23



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 21.620+/-0.007 χ^2/NDF:573534.1/6

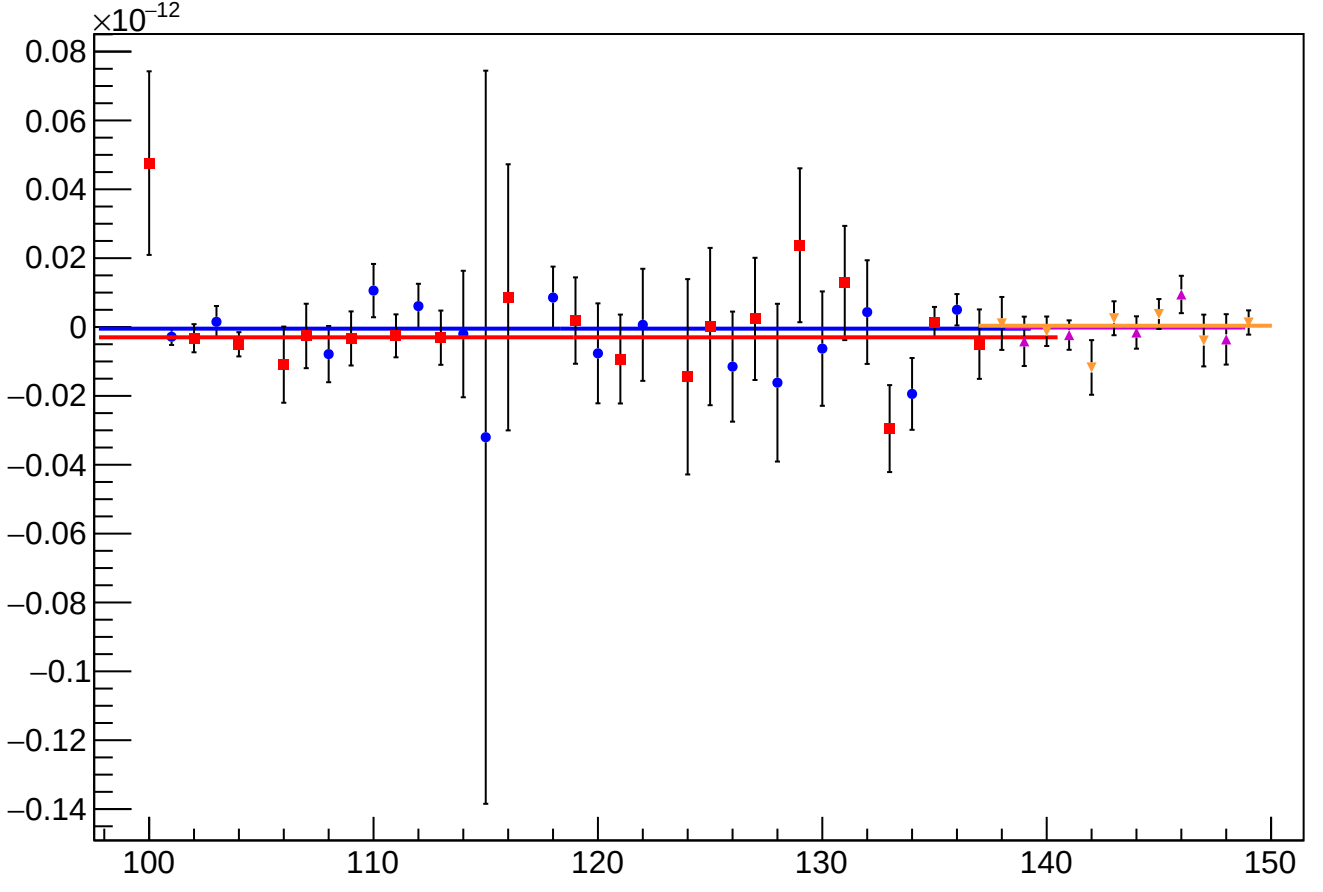
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.440+/-0.008 χ^2/NDF:26178.6/4

+ sign 17.894+/-0.004 χ^2/NDF: 1938041.3/22

All: 18.058+/-0.003 χ^2/NDF: 3215261.8/46

- sign 18.238+/-0.004 χ^2/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:3.7/6

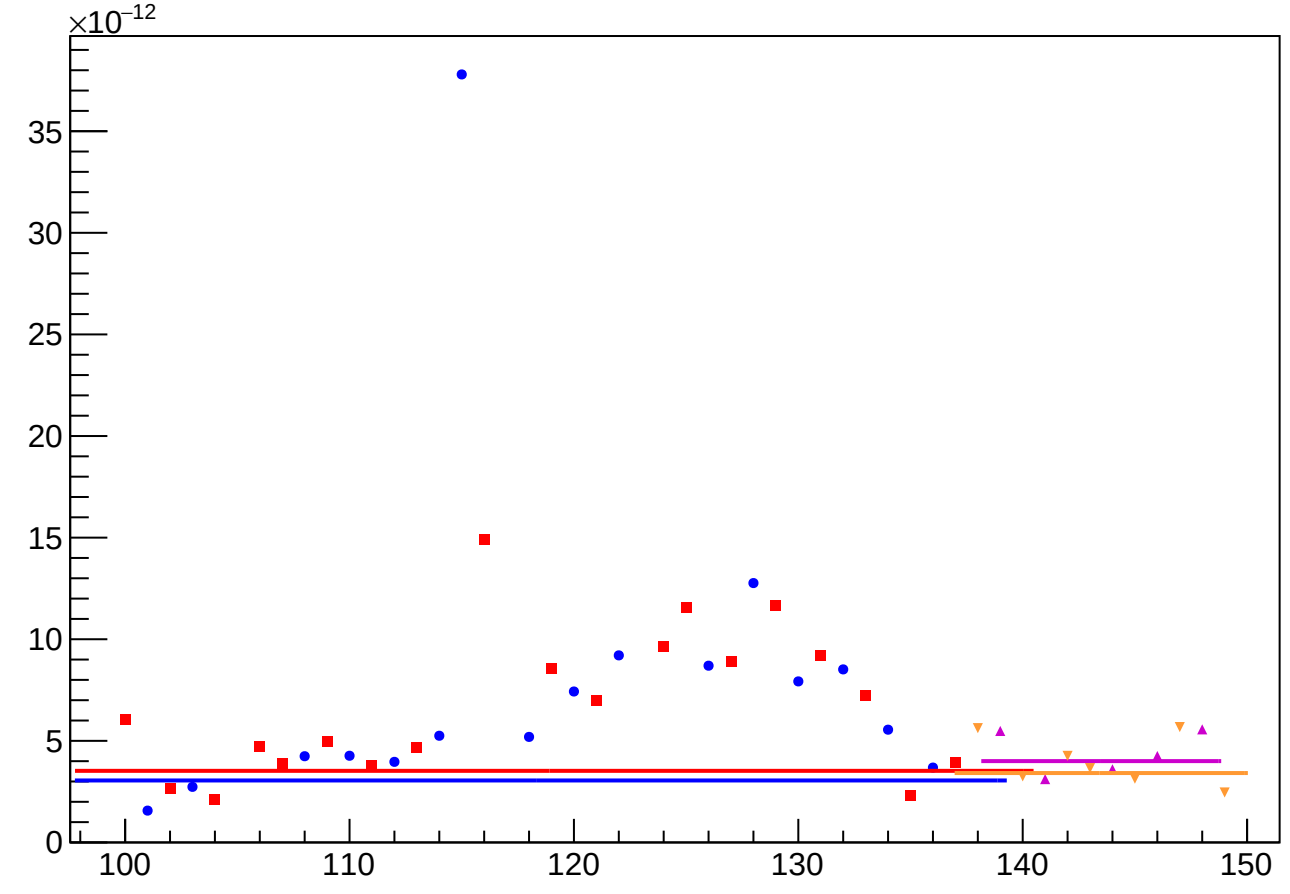
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 16.1/22

All: -0.000+/-0.000 χ^2/NDF: 35.0/46

- 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:532617.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

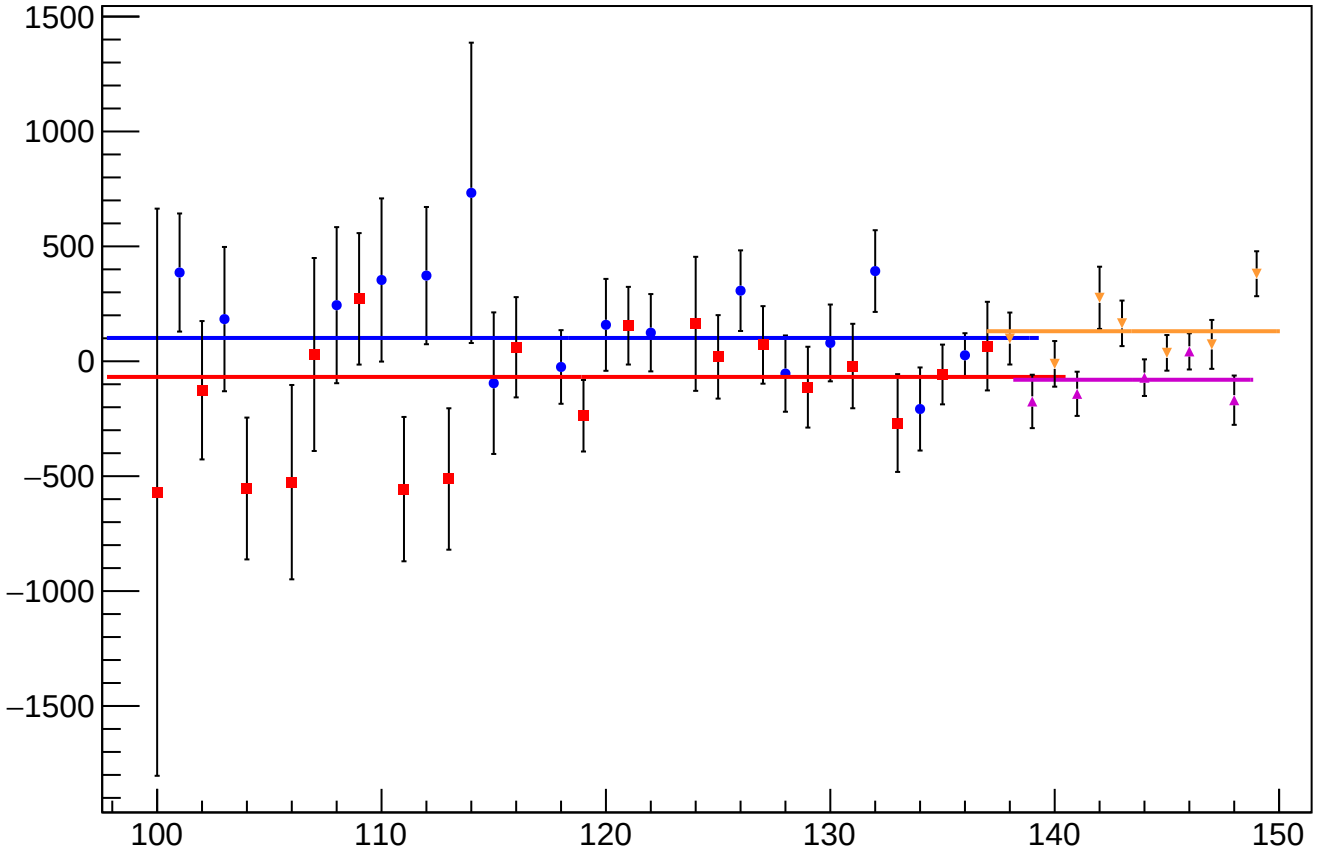
Left In: 0.000+/-0.000 χ^2/NDF:281594.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 3512526.0/22

All: 0.000+/-0.000 χ^2/NDF: 6536189.0/46

- 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: 130.749+/-37.924 χ^2/NDF:11.7/6

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

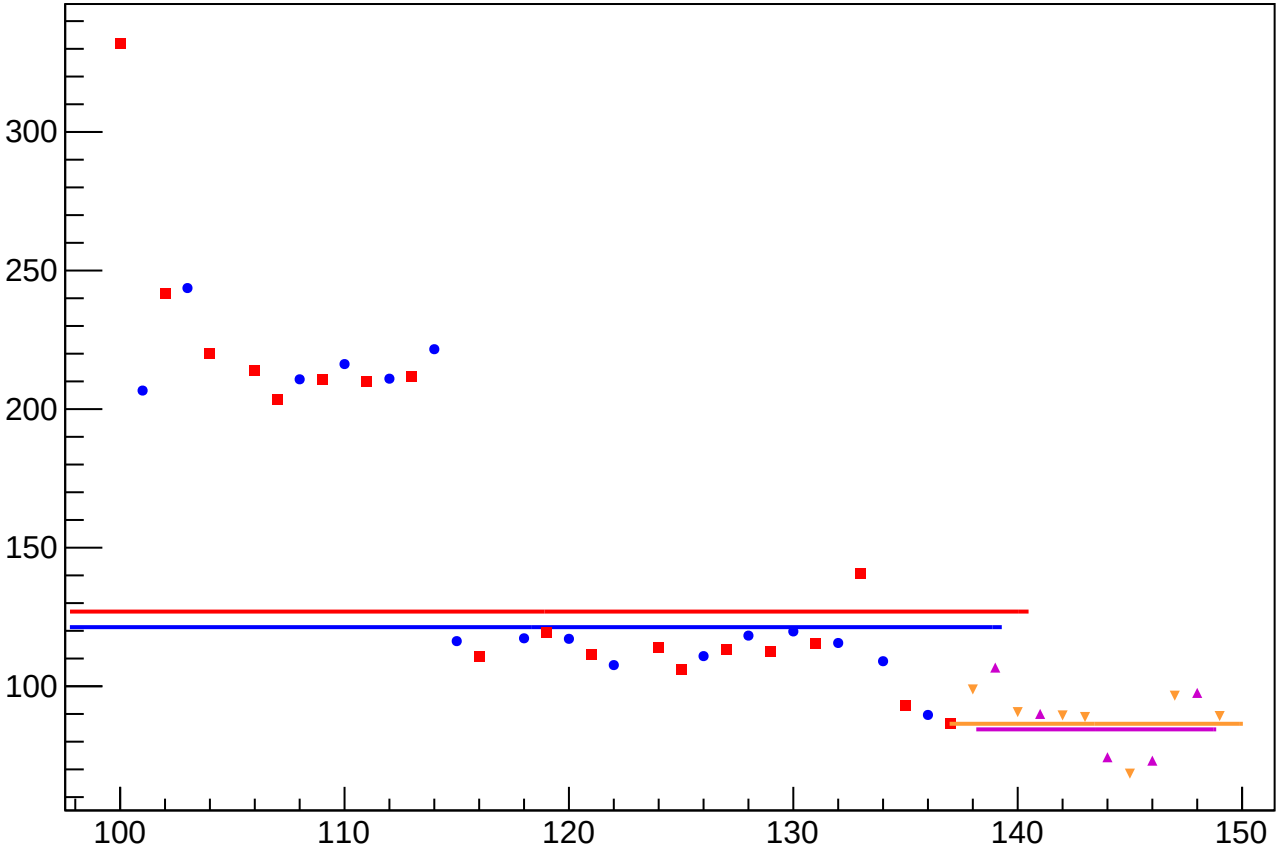
Left In: -80.426+/-41.252 χ^2/NDF:4.2/4

+ sign 119.385+/-29.668 χ^2/NDF: 25.3/22

All: 28.285+/-21.644 χ^2/NDF: 65.8/46

- 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: 86.459+/-0.027 χ^2/NDF:157230.3/6

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

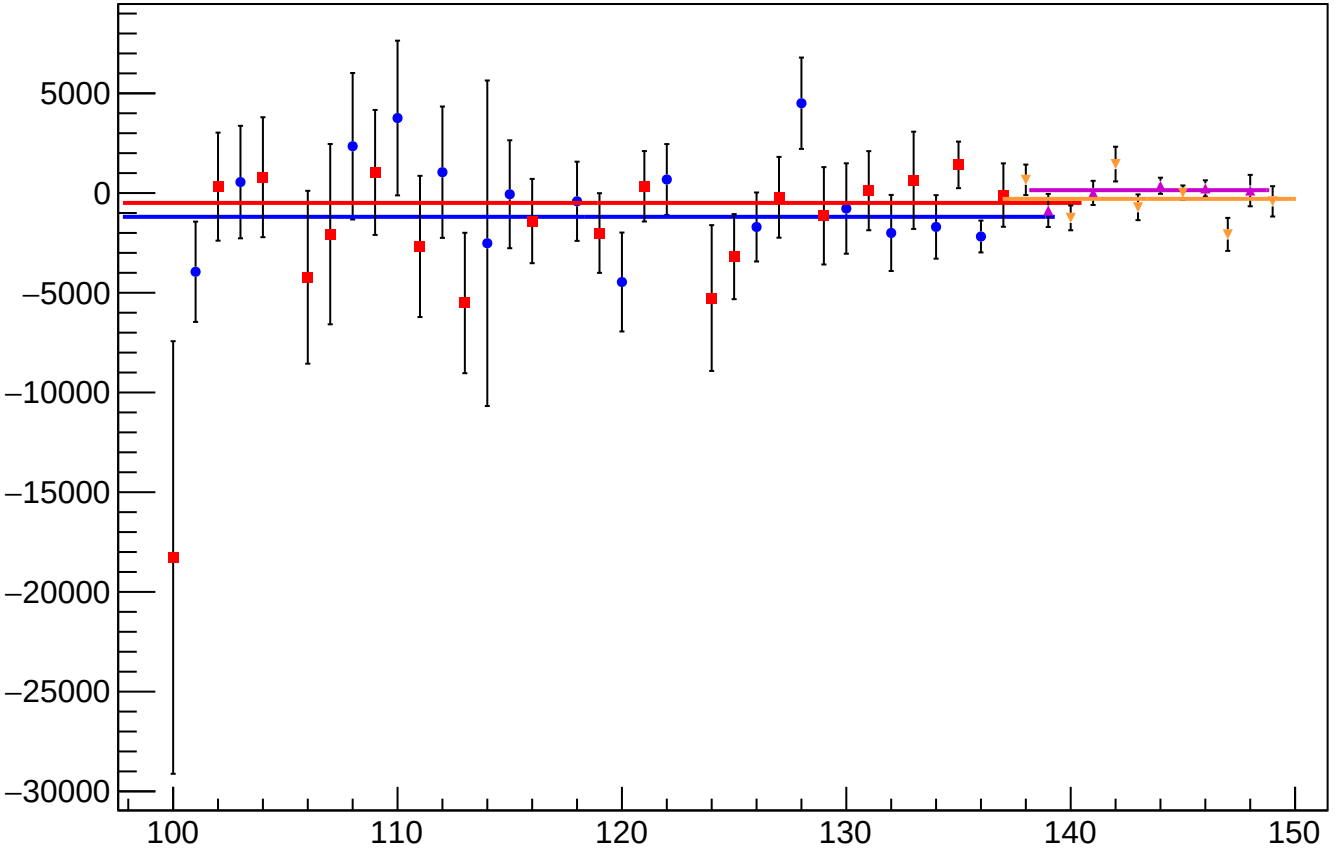
Left In: 84.440+/-0.029 χ^2/NDF:183388.6/4

+ sign 99.987+/-0.021 χ^2/NDF: 2099760.2/22

All: 100.897+/-0.015 χ^2/NDF: 4632618.8/46

- sign 101.933+/-0.022 χ^2/NDF: 2528833.2/23

asym_sam_26_avg_reg_correction_mean vs Slug



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -291.359+/-230.463 χ^2/NDF:13.7/6

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

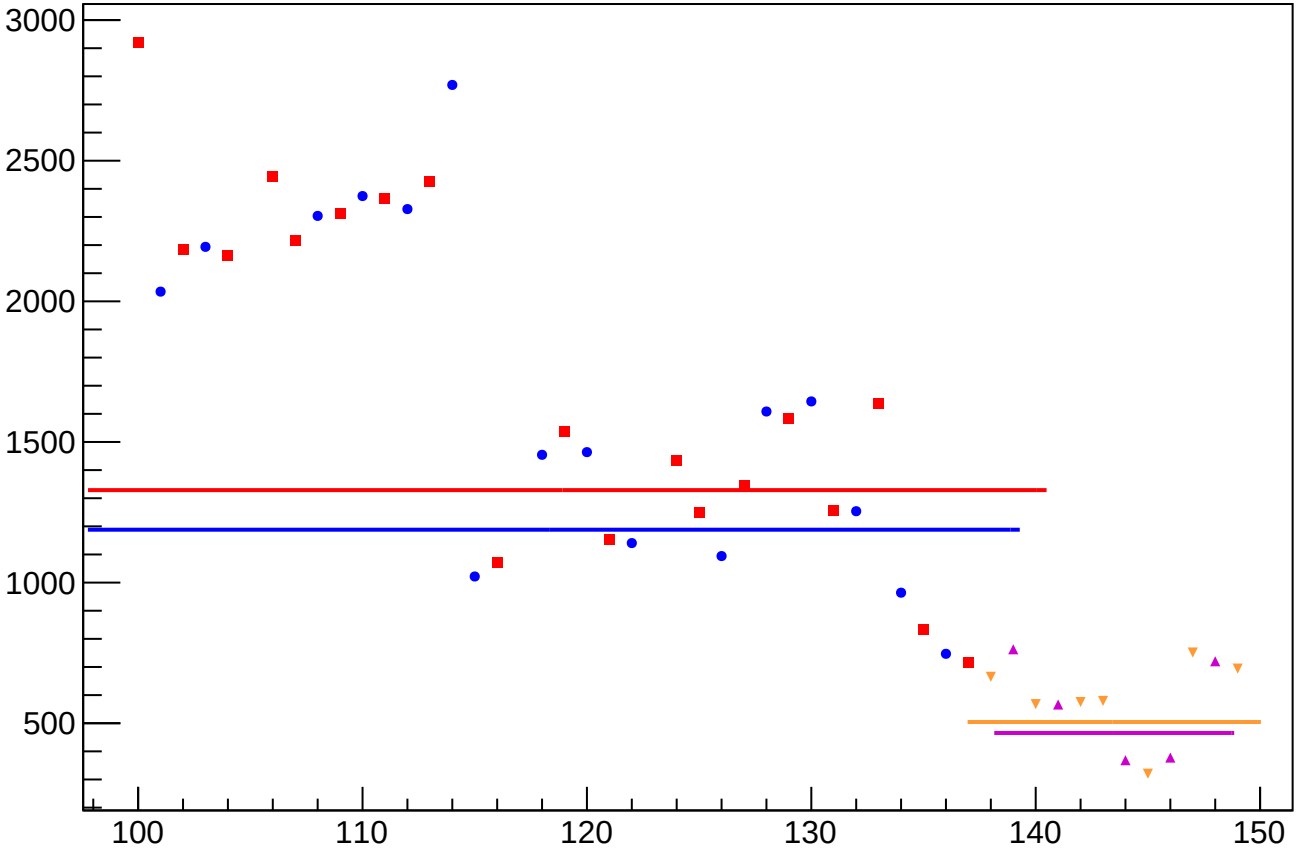
Left In: 143.861+/-236.147 χ^2/NDF:1.9/4

+ sign -460.741+/-207.668 χ^2/NDF: 32.5/22

All: -221.479+/-149.415 χ^2/NDF: 52.3/46

- 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: 504.375+/-0.163 χ^2/NDF:968111.8/6

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

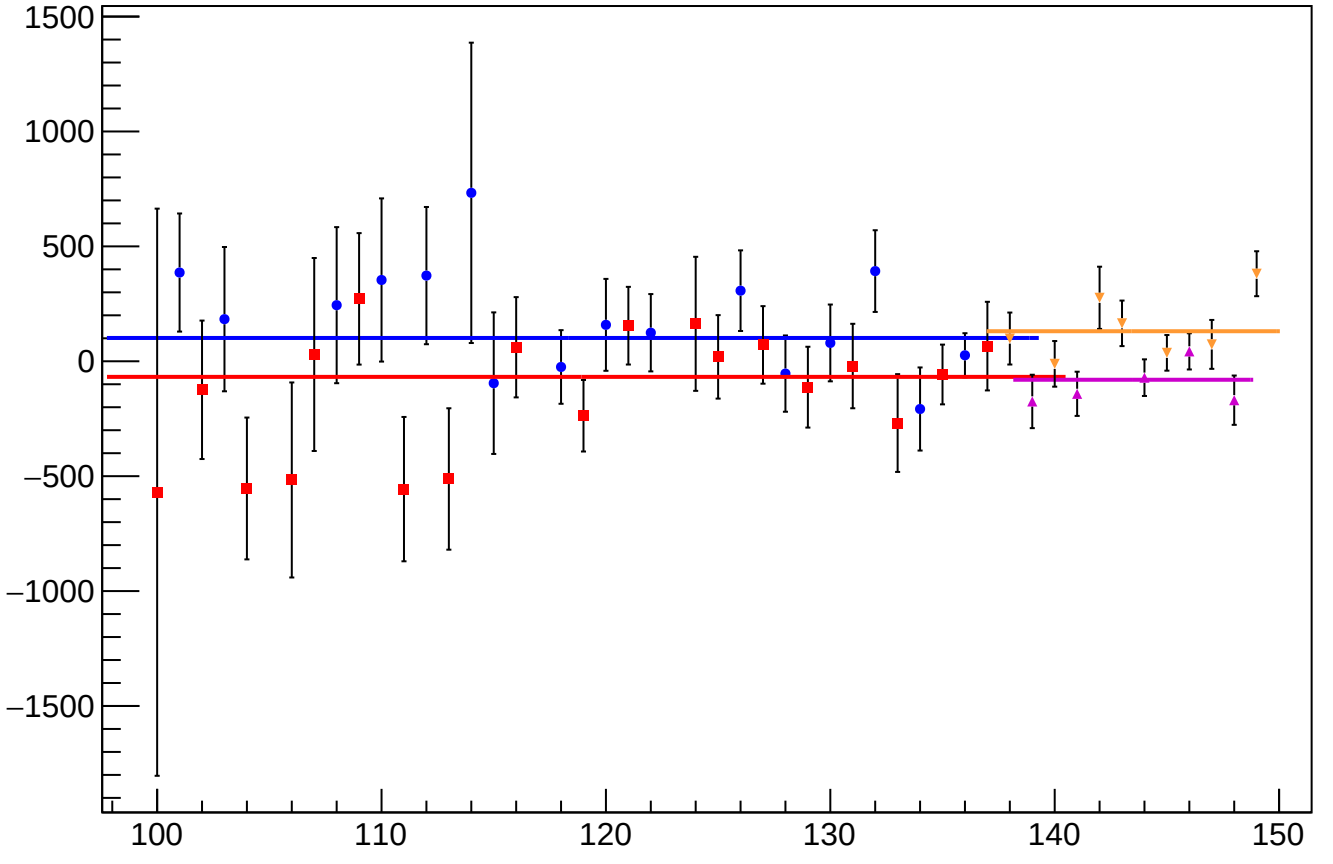
Left In: 465.349+/-0.167 χ^2/NDF:729040.3/4

+ sign 632.932+/-0.147 χ^2/NDF: 6322445.3/22

All: 622.911+/-0.106 χ^2/NDF: 13565176.6/46

- 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: 130.756+/-37.924 χ^2/NDF:11.7/6

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

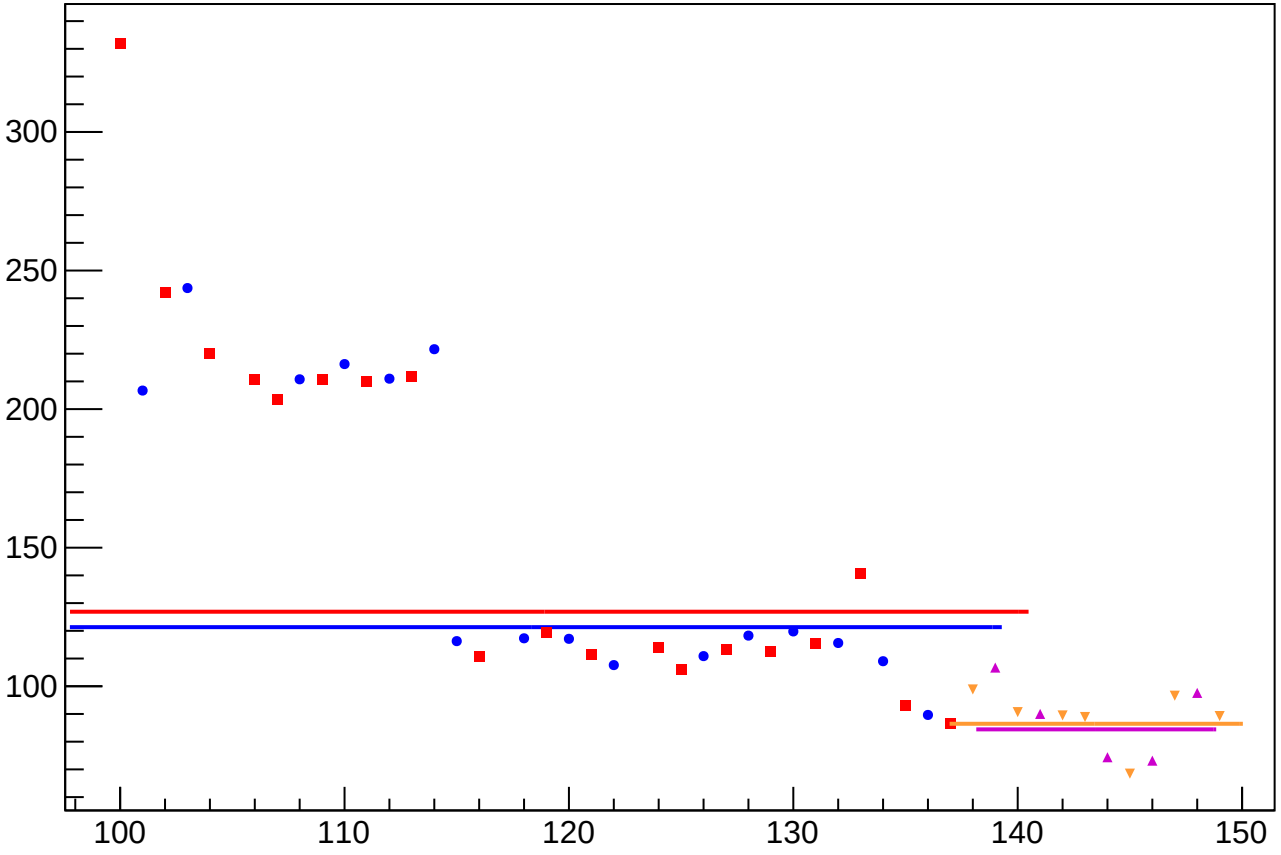
Left In: -80.428+/-41.252 χ^2/NDF:4.2/4

+ sign 119.384+/-29.668 χ^2/NDF: 25.3/22

All: 28.330+/-21.644 χ^2/NDF: 65.8/46

- 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: 86.459+/-0.027 χ^2/NDF:157230.3/6

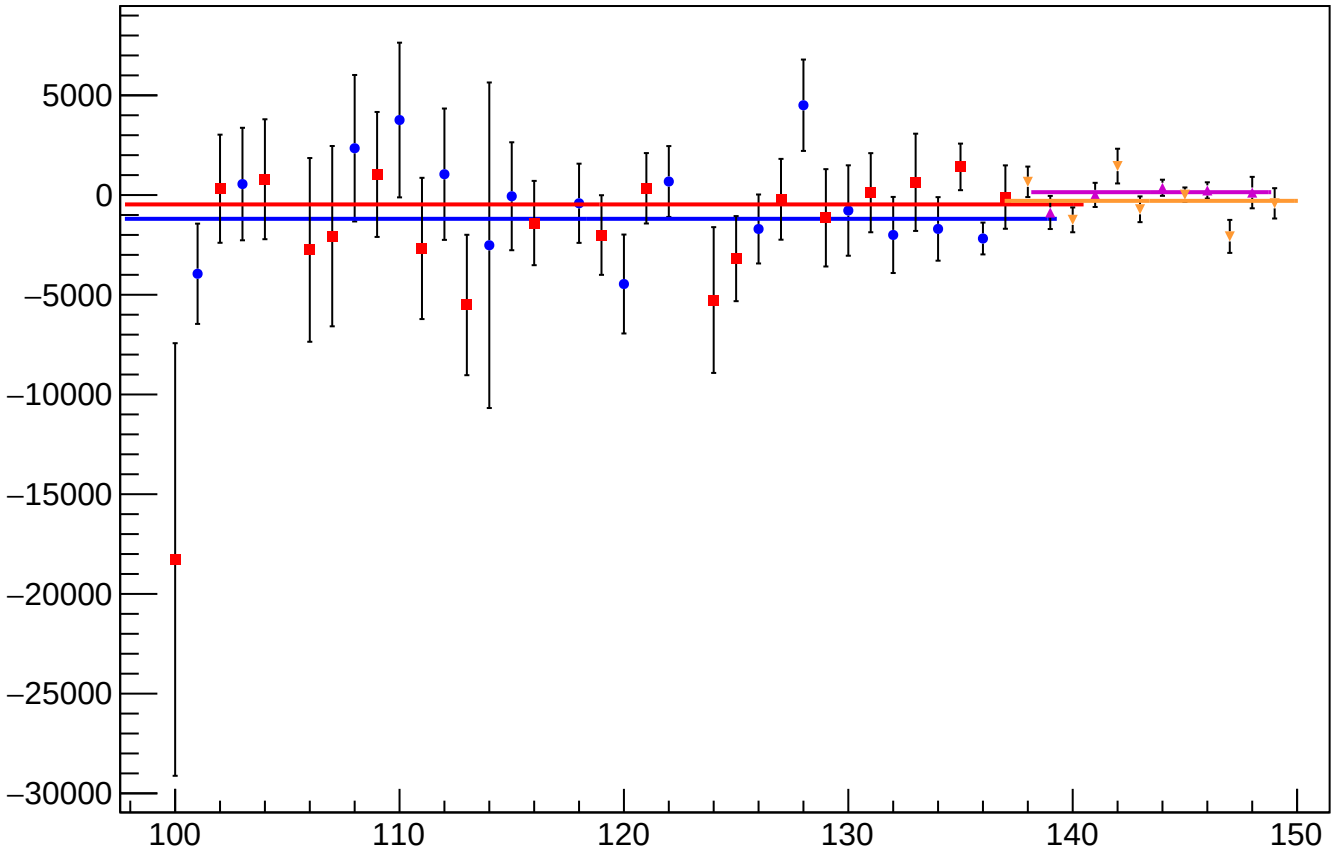
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 84.440+/-0.029 χ^2/NDF:183388.6/4

+ sign 99.987+/-0.021 χ^2/NDF: 2099762.5/22

All: 100.887+/-0.015 χ^2/NDF: 4624298.3/46

- 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: -291.350+/-230.463 χ^2/NDF:13.7/6

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

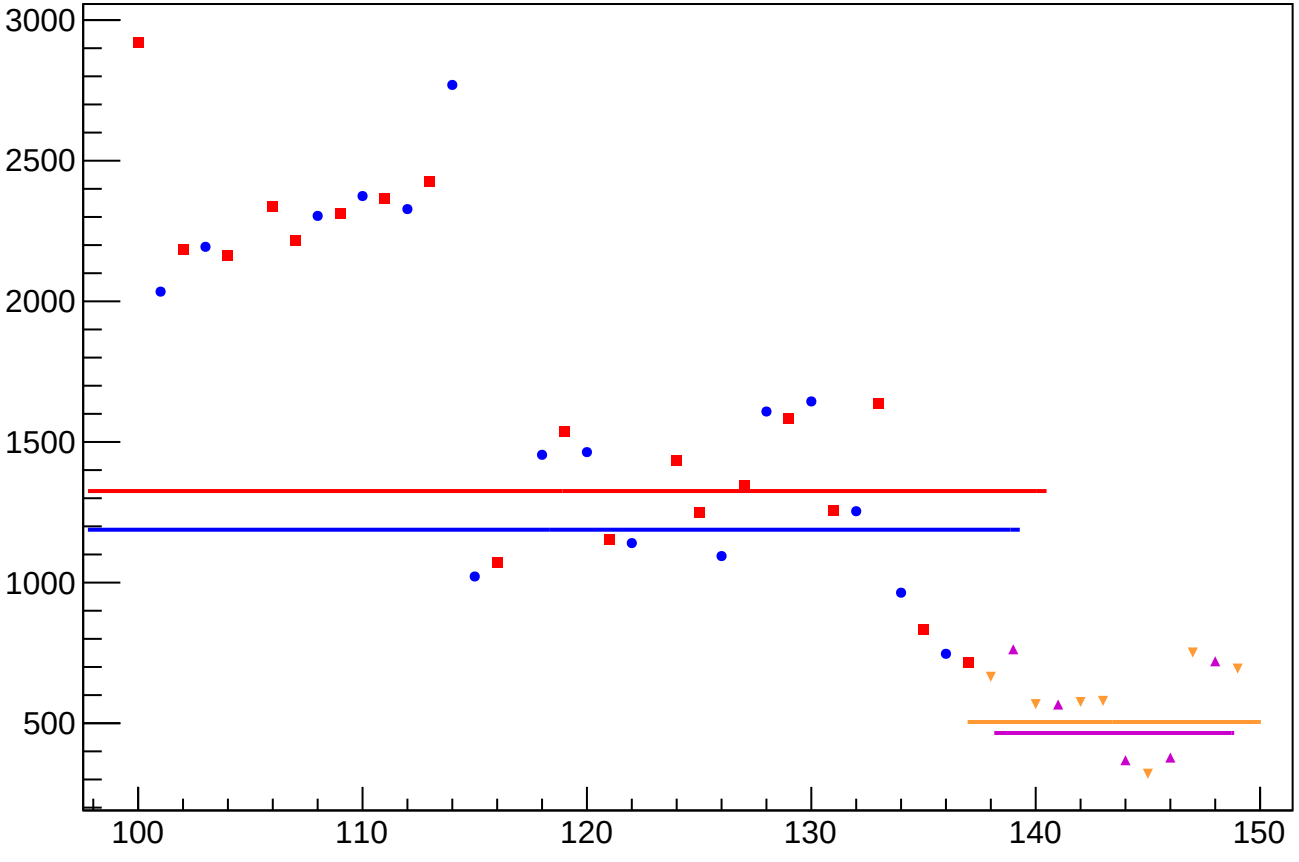
Left In: 143.852+/-236.147 χ^2/NDF:1.9/4

+ sign -460.729+/-207.668 χ^2/NDF: 32.5/22

All: -219.400+/-149.425 χ^2/NDF: 51.8/46

- 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: 504.374+/-0.163 χ^2/NDF:968117.2/6

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

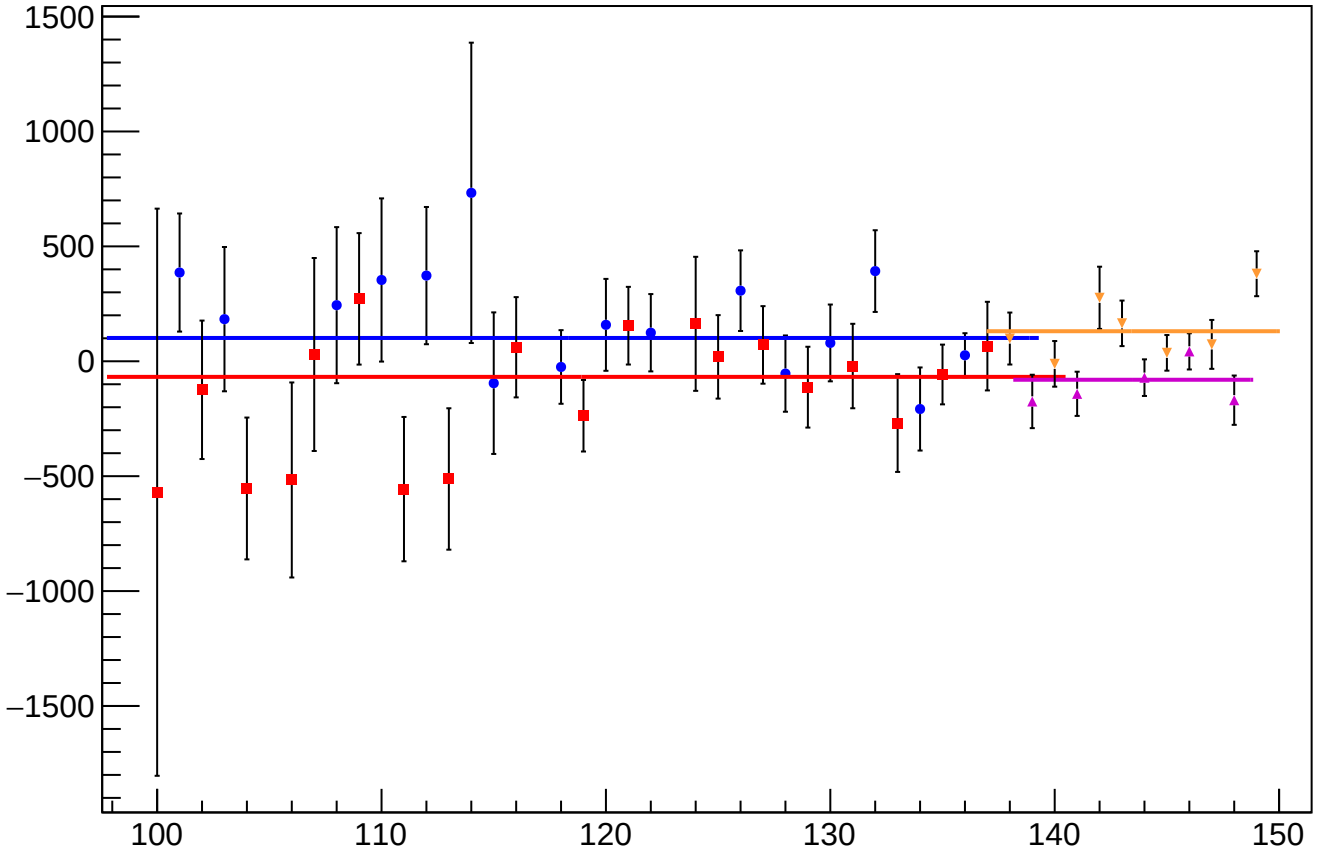
Left In: 465.348+/-0.167 χ^2/NDF:729040.4/4

+ sign 632.931+/-0.147 χ^2/NDF: 6322480.6/22

All: 622.544+/-0.106 χ^2/NDF: 13488559.6/46

- 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: 130.756+/-37.924 χ^2/NDF:11.7/6

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

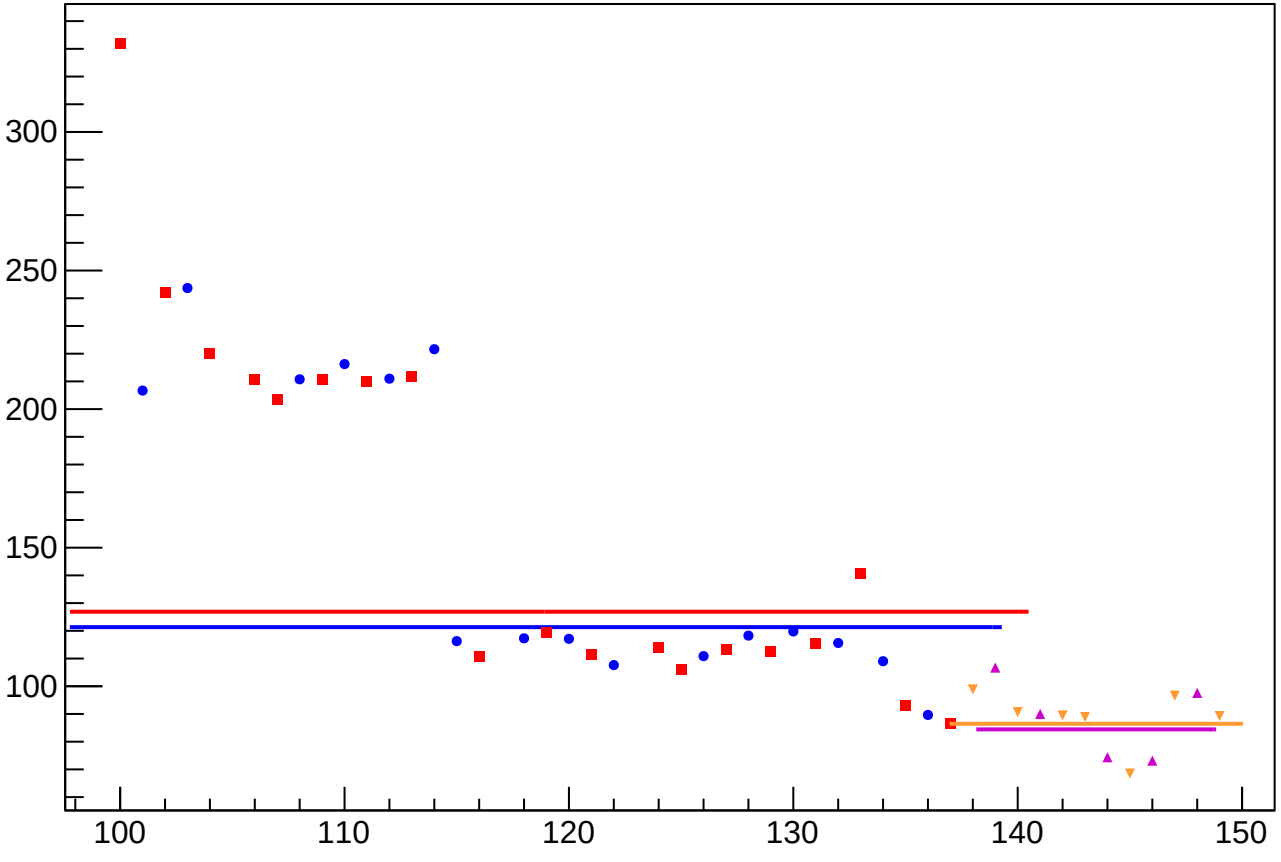
Left In: -80.428+/-41.252 χ^2/NDF:4.2/4

+ sign 119.384+/-29.668 χ^2/NDF: 25.3/22

All: 28.330+/-21.644 χ^2/NDF: 65.8/46

- 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: 86.459+/-0.027 χ^2/NDF:157230.3/6

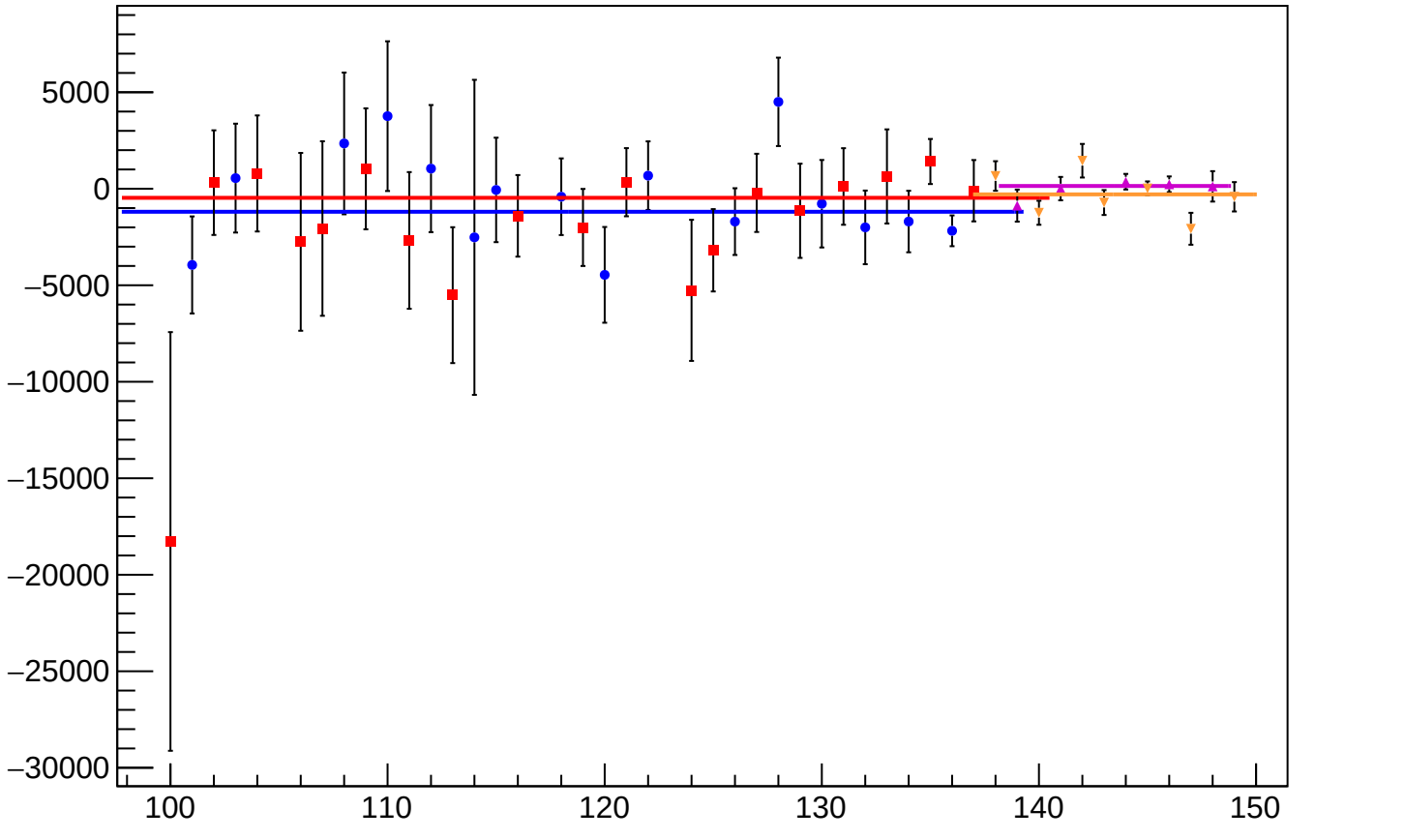
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 84.440+/-0.029 χ^2/NDF:183388.6/4

+ sign 99.987+/-0.021 χ^2/NDF: 2099762.5/22

All: 100.887+/-0.015 χ^2/NDF: 4624298.3/46

- 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: -291.350+/-230.463 χ^2/NDF:13.7/6

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

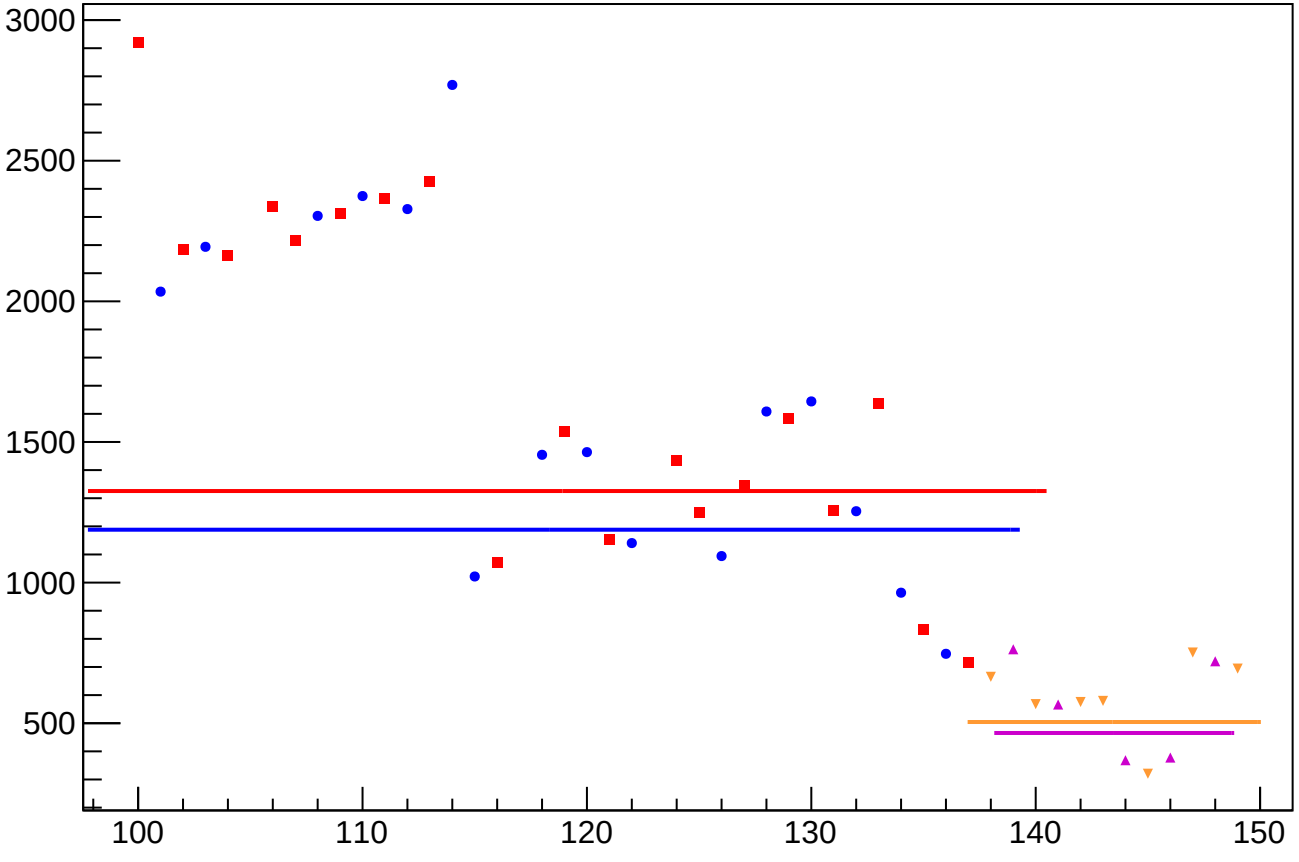
Left In: 143.852+/-236.147 χ^2/NDF:1.9/4

+ sign -460.729+/-207.668 χ^2/NDF: 32.5/22

All: -219.400+/-149.425 χ^2/NDF: 51.8/46

- 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: 504.374+/-0.163 χ^2/NDF:968117.2/6

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

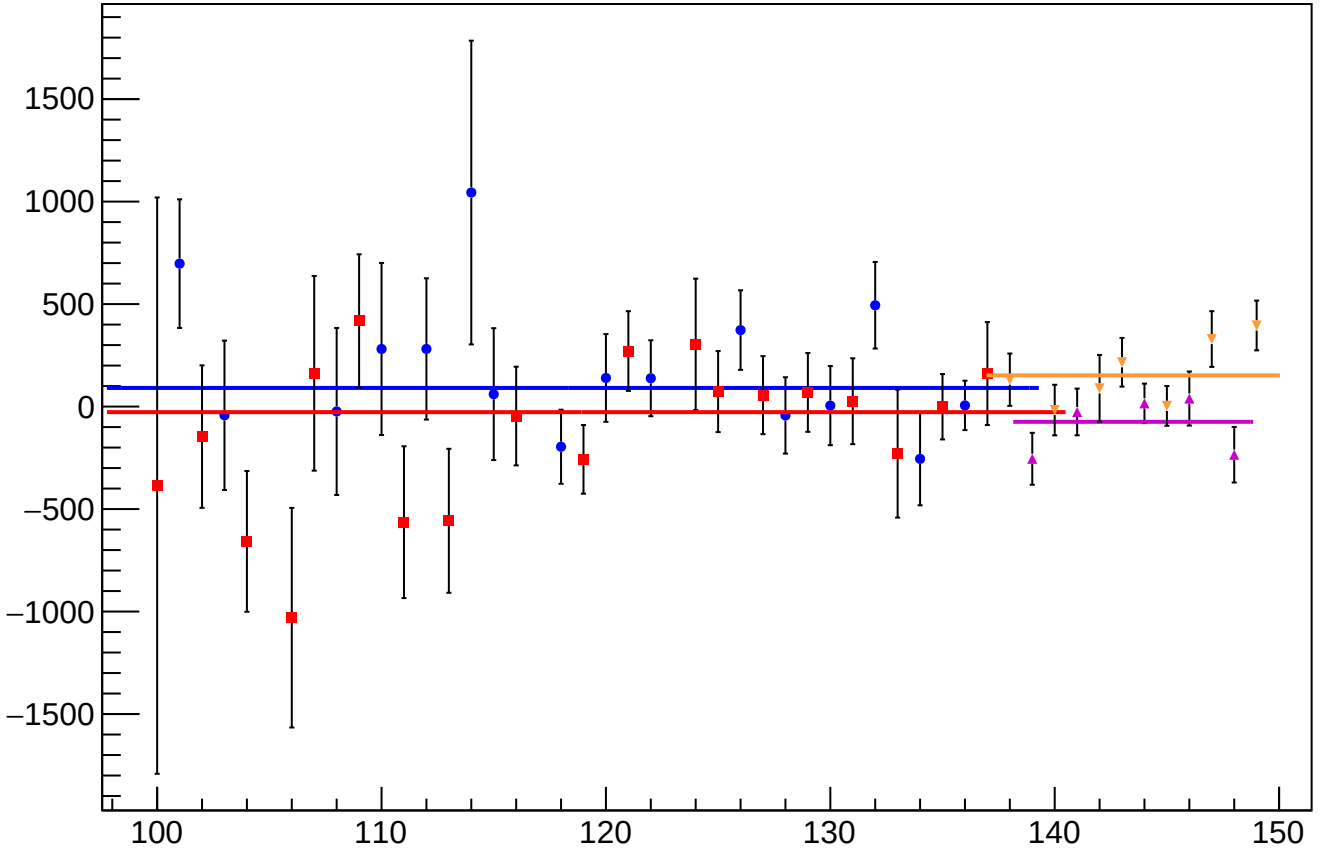
Left In: 465.348+/-0.167 χ^2/NDF:729040.4/4

+ sign 632.931+/-0.147 χ^2/NDF: 6322480.6/22

All: 622.544+/-0.106 χ^2/NDF: 13488559.6/46

- 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: 152.246+/-46.433 χ^2/NDF:10.4/6

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

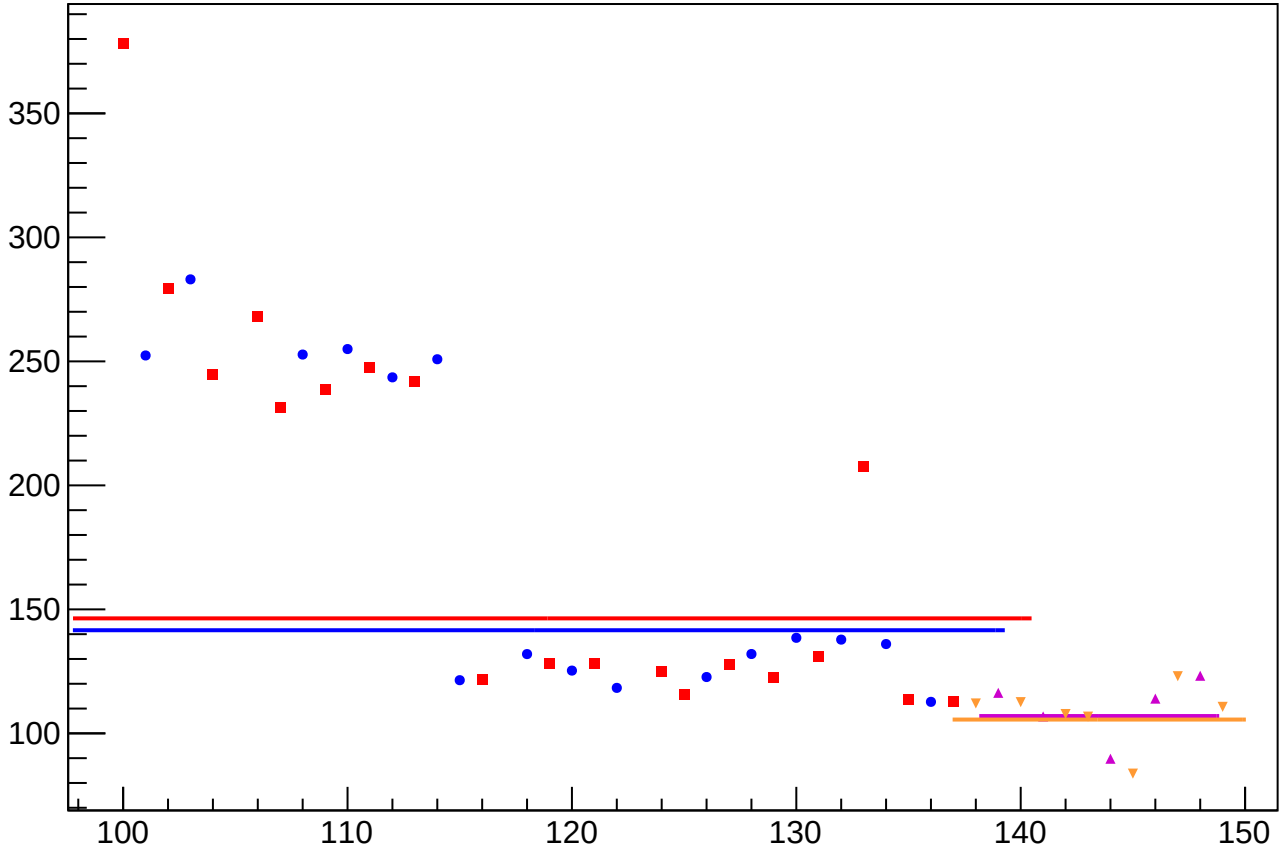
Left In: -74.400+/-52.758 χ^2/NDF:5.2/4

+ sign 127.025+/-35.630 χ^2/NDF: 29.2/22

All: 44.665+/-26.220 χ^2/NDF: 67.0/46

- 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: 105.569+/-0.033 χ^2/NDF:149898.7/6

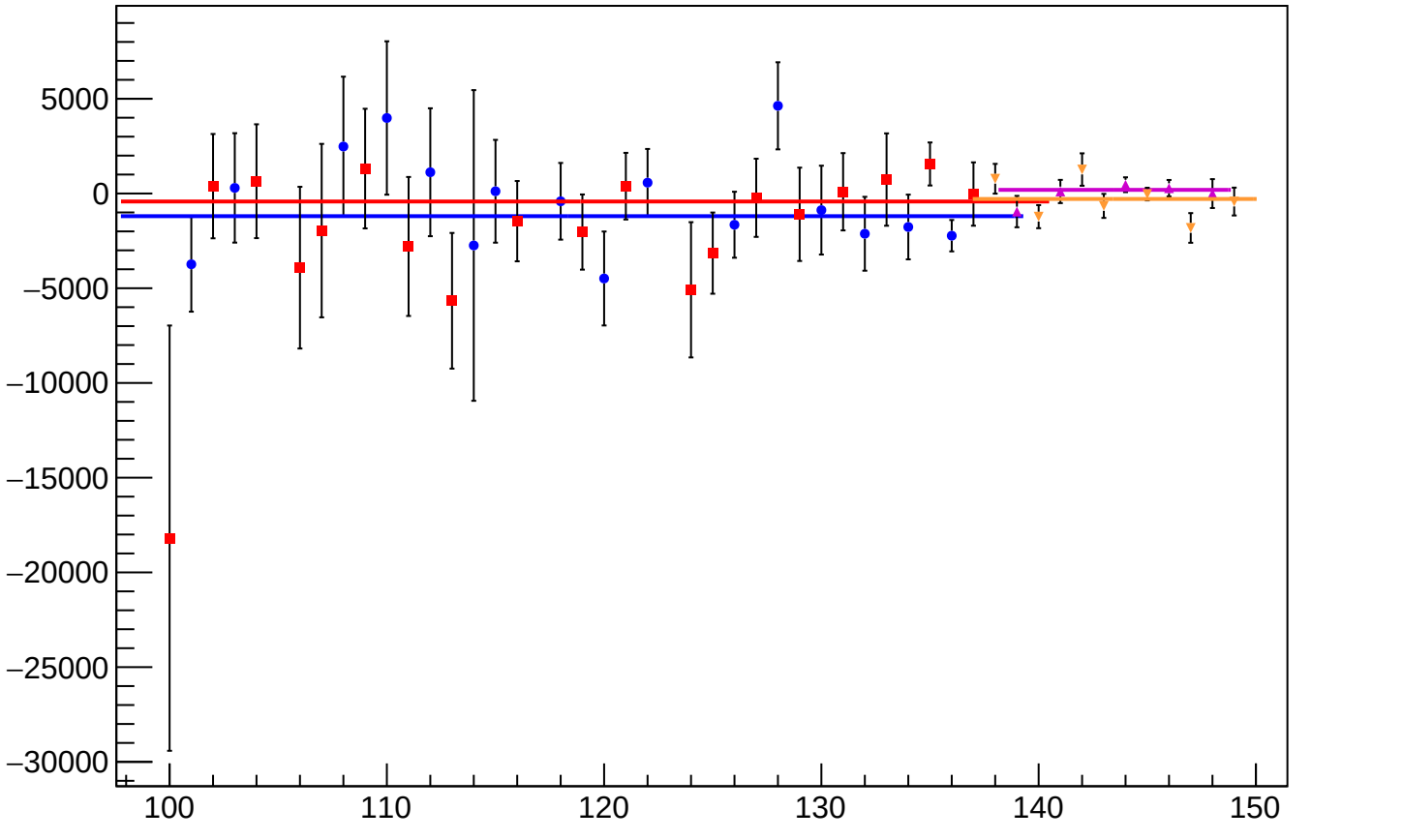
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 106.985+/-0.037 χ^2/NDF:109316.5/4

+ sign 120.379+/-0.025 χ^2/NDF: 1907067.7/22

All: 122.567+/-0.019 χ^2/NDF: 4060577.7/46

- sign 125.152+/-0.027 χ^2/NDF: 2137055.8/23



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -289.147+/-220.233 χ^2/NDF:12.3/6

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

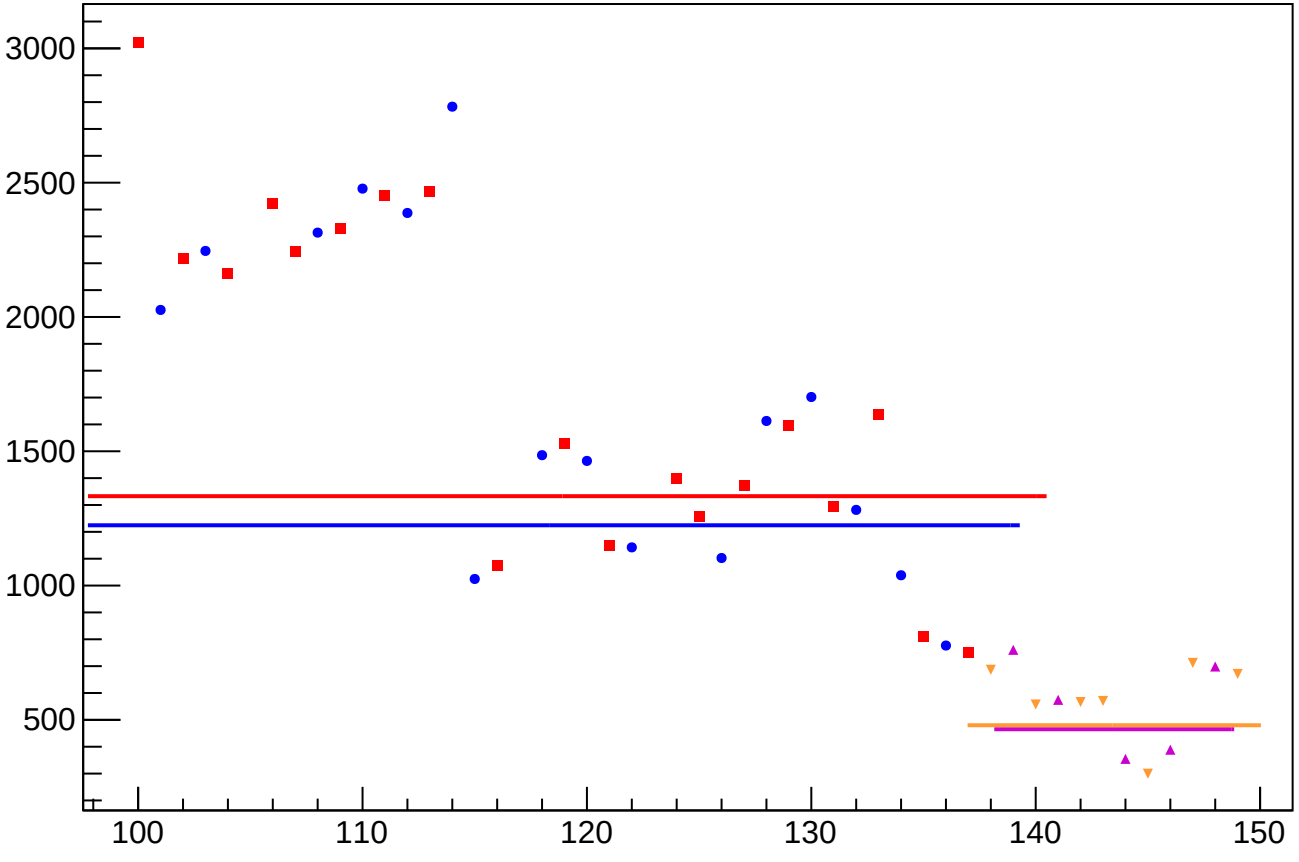
Left In: 191.785+/-237.967 χ^2/NDF:2.5/4

\+ sign -440.950+/-200.971 χ^2/NDF: 31.1/22

All: -196.889+/-147.342 χ^2/NDF: 52.2/46

\- 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: 479.954+/-0.156 χ^2/NDF:1126594.5/6

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

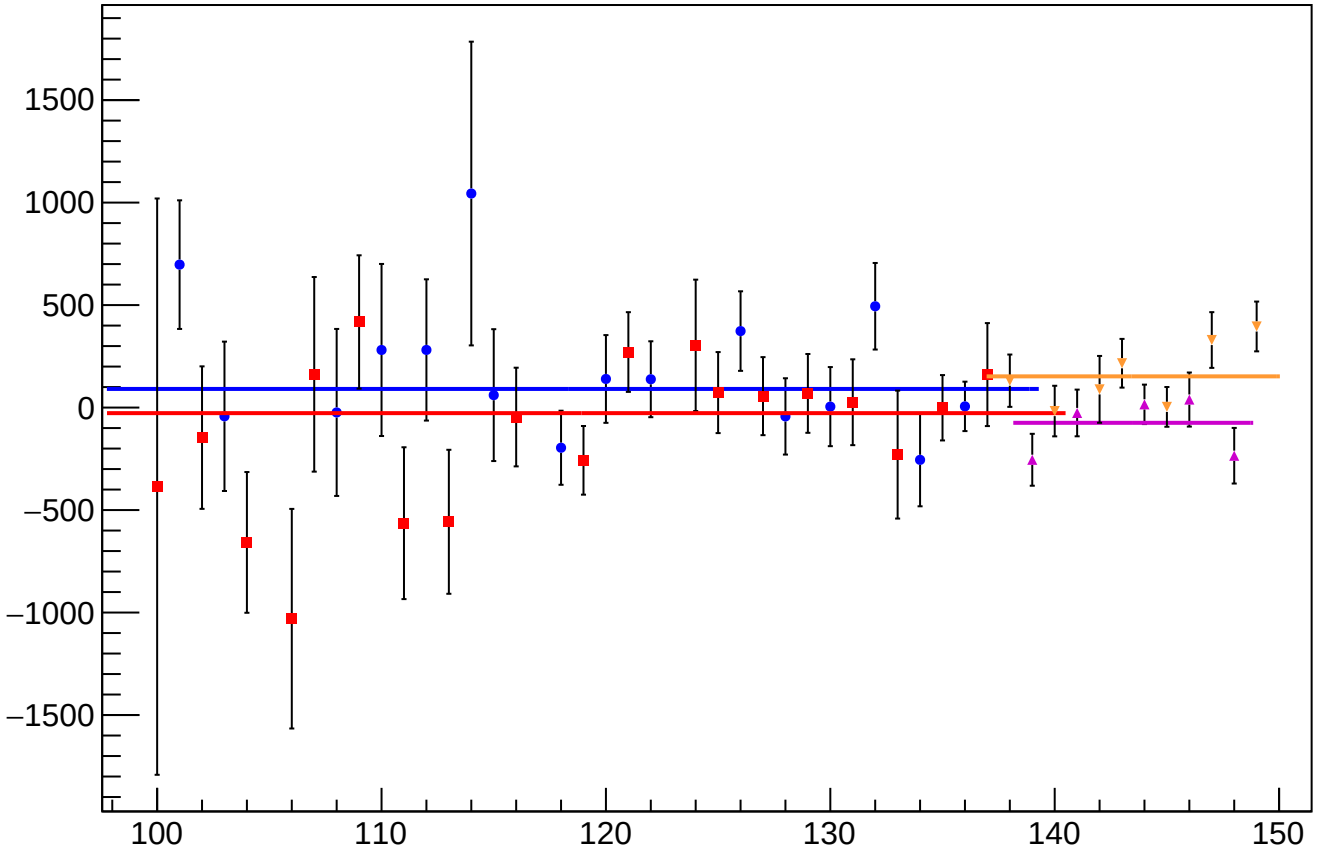
Left In: 465.151+/-0.168 χ^2/NDF:726767.8/4

+ sign 604.491+/-0.142 χ^2/NDF: 6909262.2/22

All: 608.692+/-0.104 χ^2/NDF: 14180883.3/46

- 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: 152.245+/-46.434 χ^2/NDF:10.4/6

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

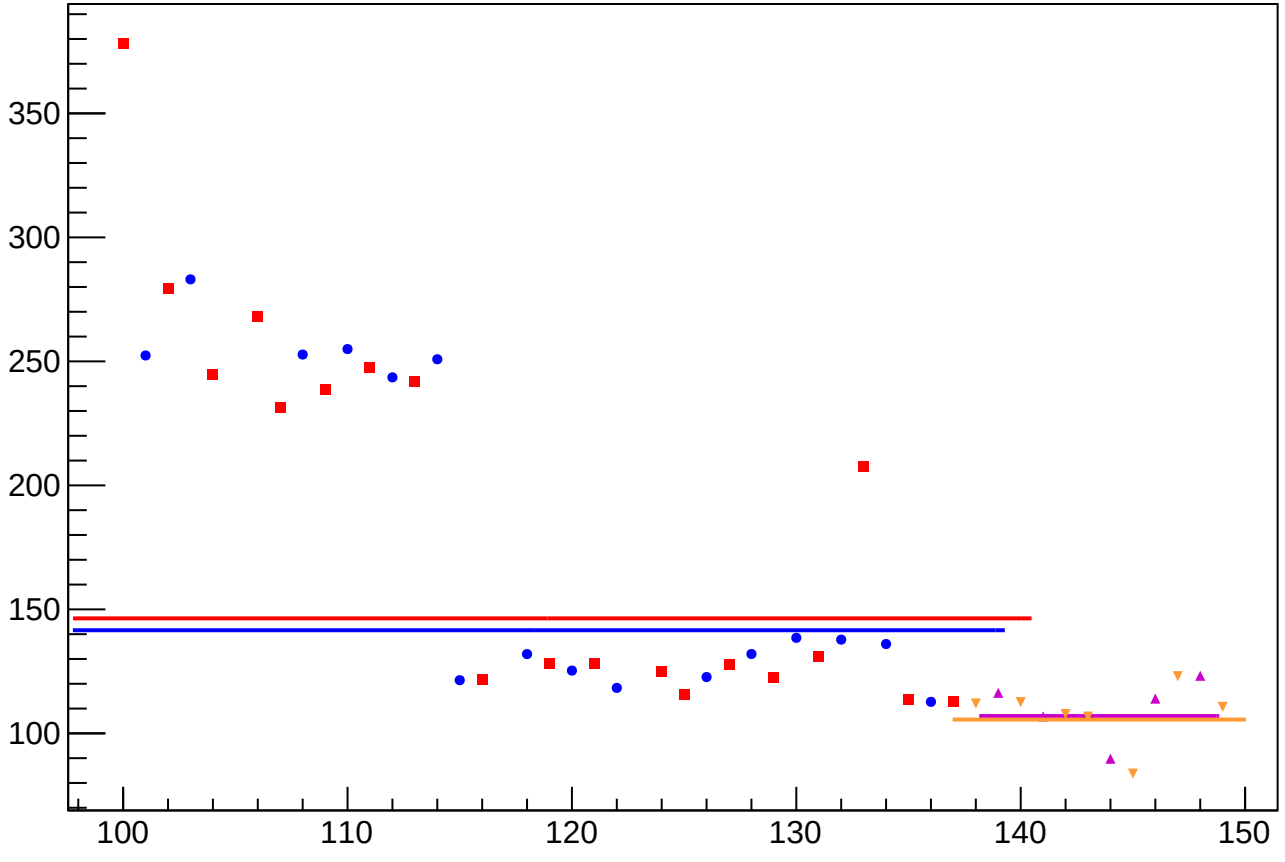
Left In: -74.399+/-52.758 χ^2/NDF:5.2/4

+ sign 127.025+/-35.630 χ^2/NDF: 29.2/22

All: 44.665+/-26.220 χ^2/NDF: 67.0/46

- 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: 105.569+/-0.033 χ^2/NDF:149889.4/6

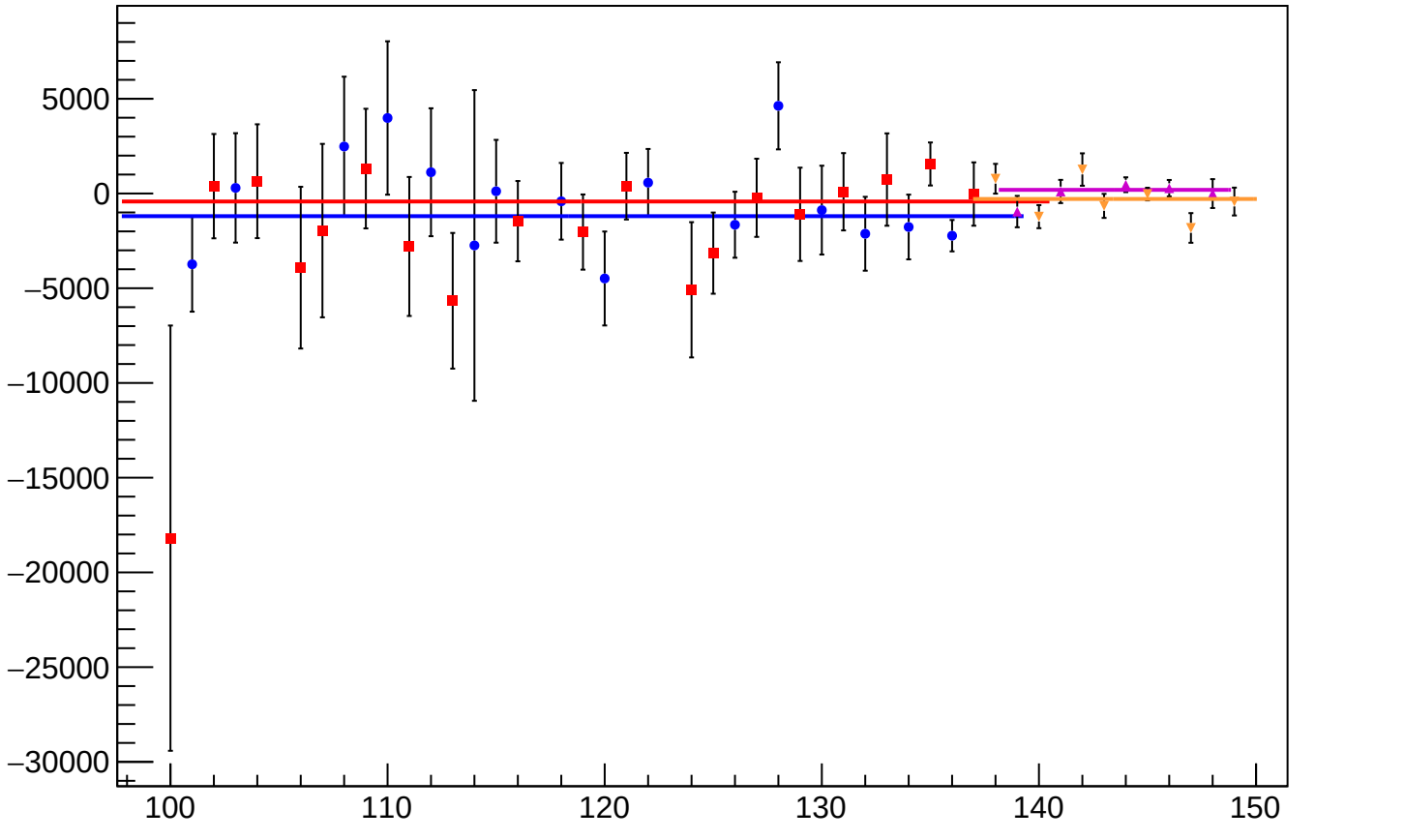
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 106.986+/-0.037 χ^2/NDF:109313.5/4

+ sign 120.379+/-0.025 χ^2/NDF: 1907010.0/22

All: 122.567+/-0.019 χ^2/NDF: 4060479.1/46

- 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: -289.147+/-220.232 χ^2/NDF:12.3/6

Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

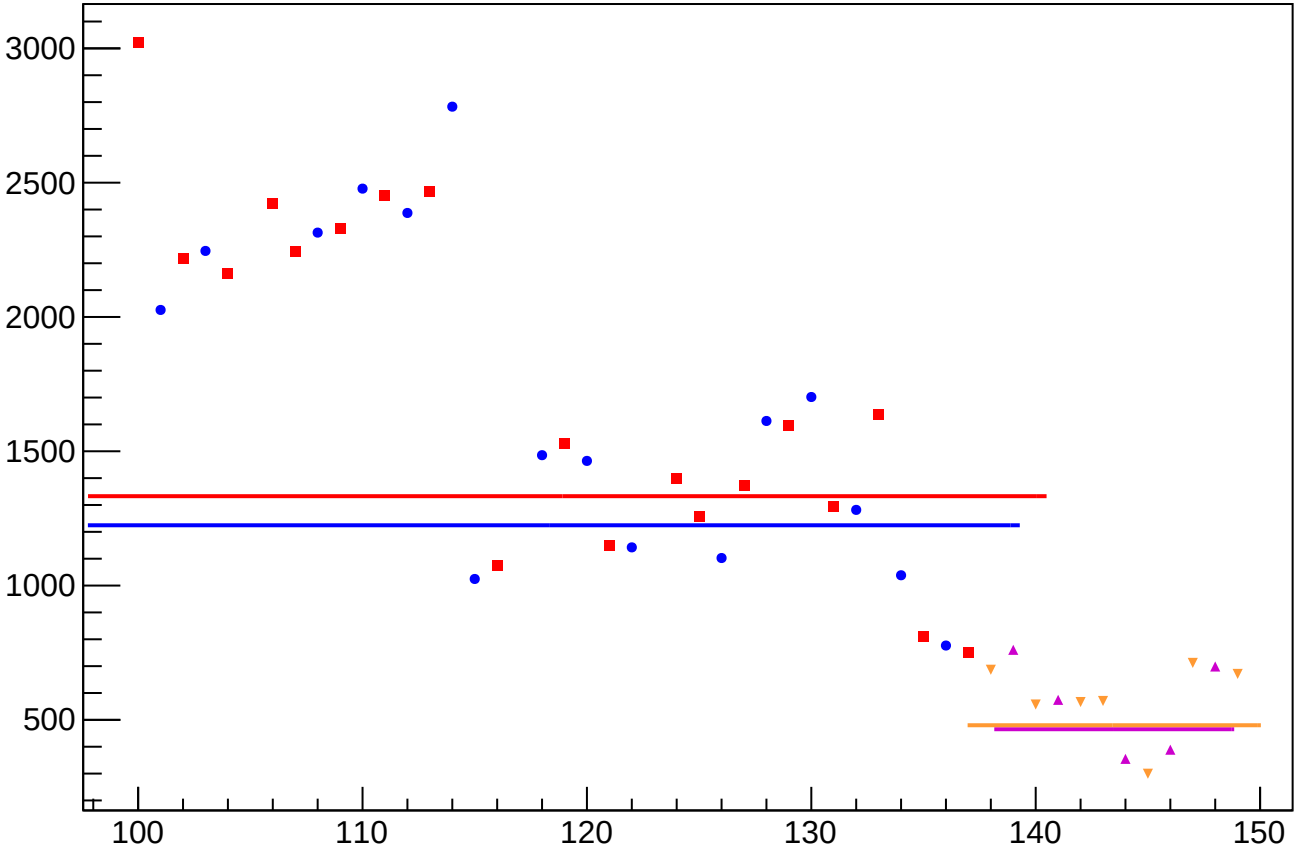
Left In: 191.786+/-237.966 χ^2/NDF:2.5/4

+ sign -440.948+/-200.971 χ^2/NDF: 31.1/22

All: -196.889+/-147.342 χ^2/NDF: 52.2/46

- sign 86.760+/-216.658 χ^2/NDF: 17.9/23

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 479.951+/-0.156 χ^2/NDF:1126621.5/6

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

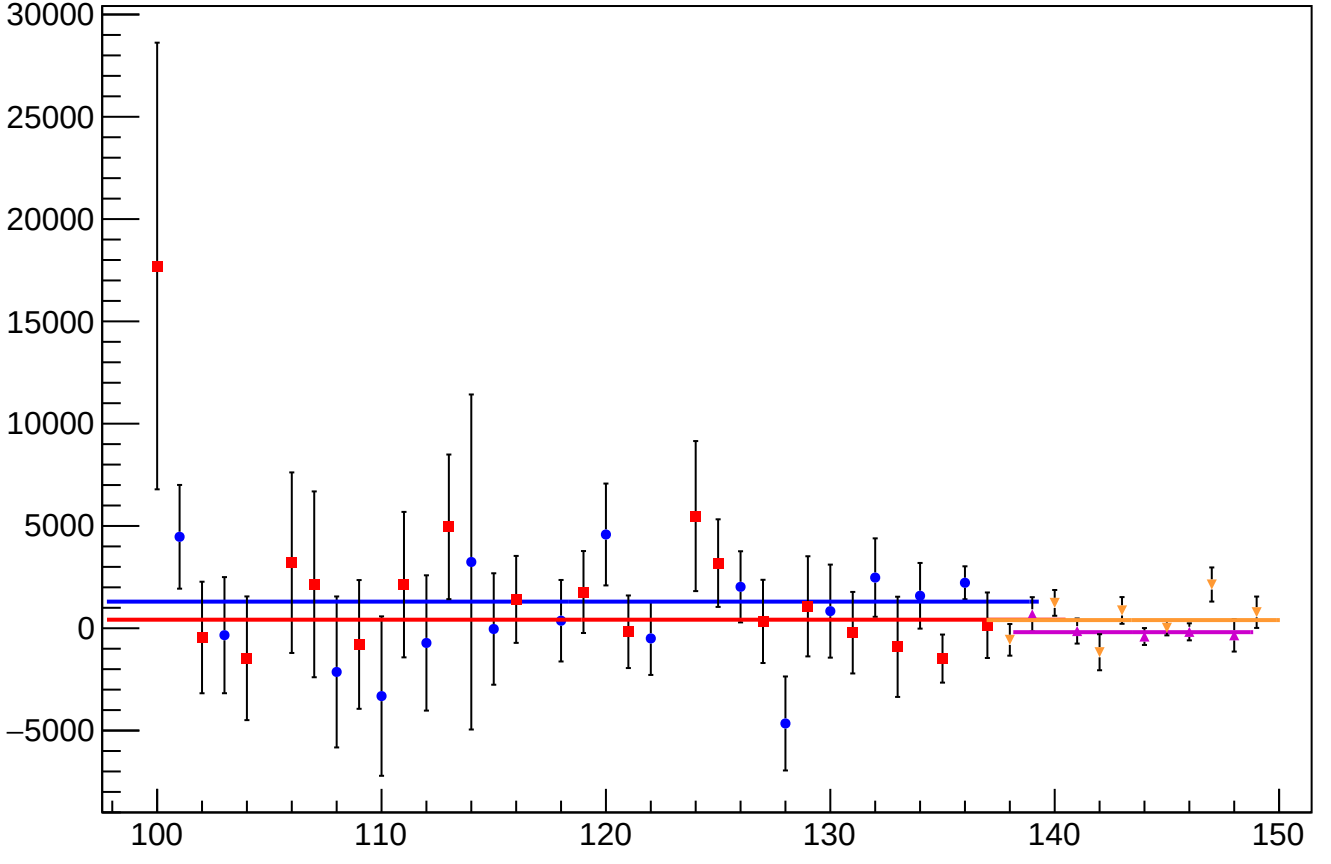
Left In: 465.150+/-0.168 χ^2/NDF:726772.7/4

+ sign 604.488+/-0.142 χ^2/NDF: 6909302.3/22

All: 608.690+/-0.104 χ^2/NDF: 14180932.1/46

- 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: 399.244+/-234.231 χ^2/NDF:12.7/6

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

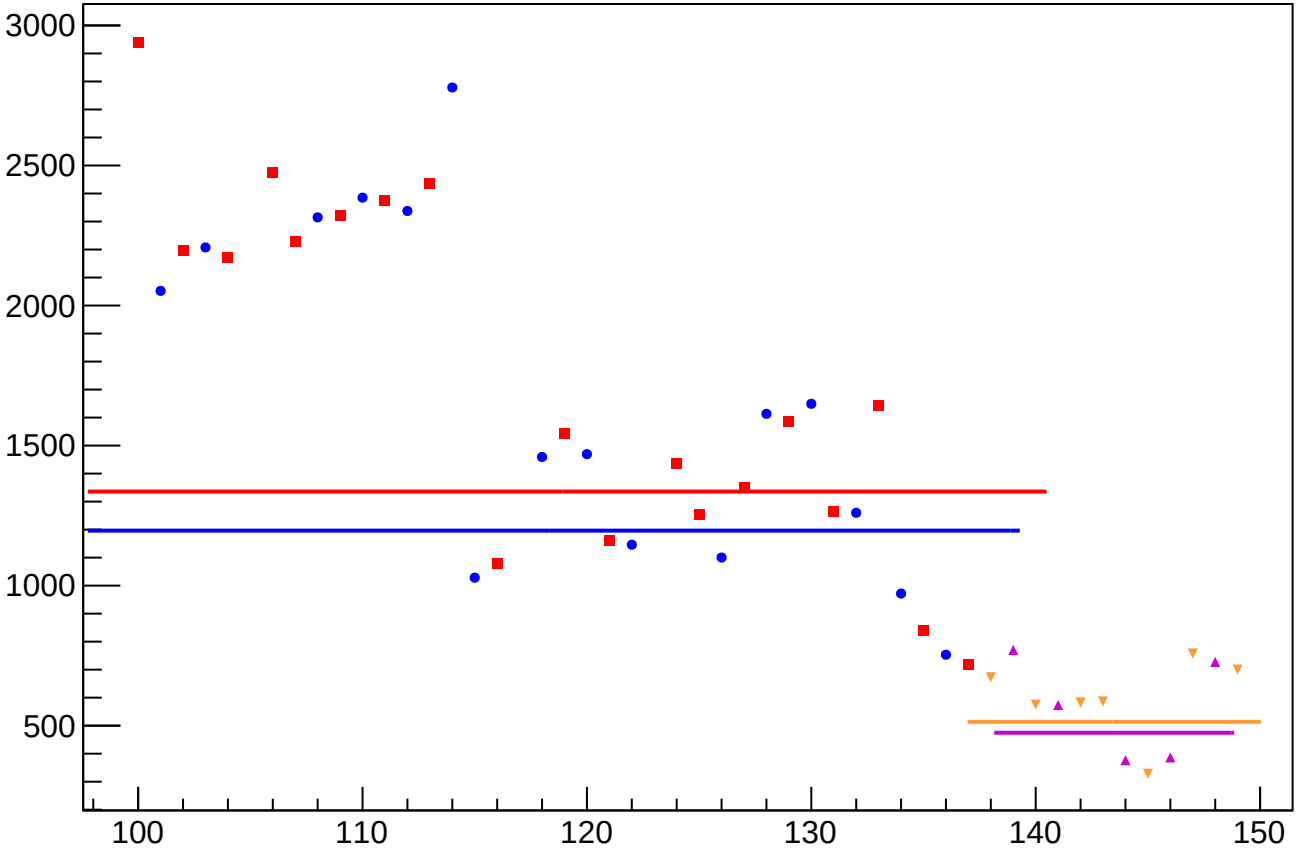
Left In: -191.422+/-240.475 χ^2/NDF:1.4/4

+ sign 571.658+/-210.669 χ^2/NDF: 32.0/22

All: 255.198+/-151.691 χ^2/NDF: 52.2/46

- 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: 513.729+/-0.166 χ^2/NDF:928249.7/6

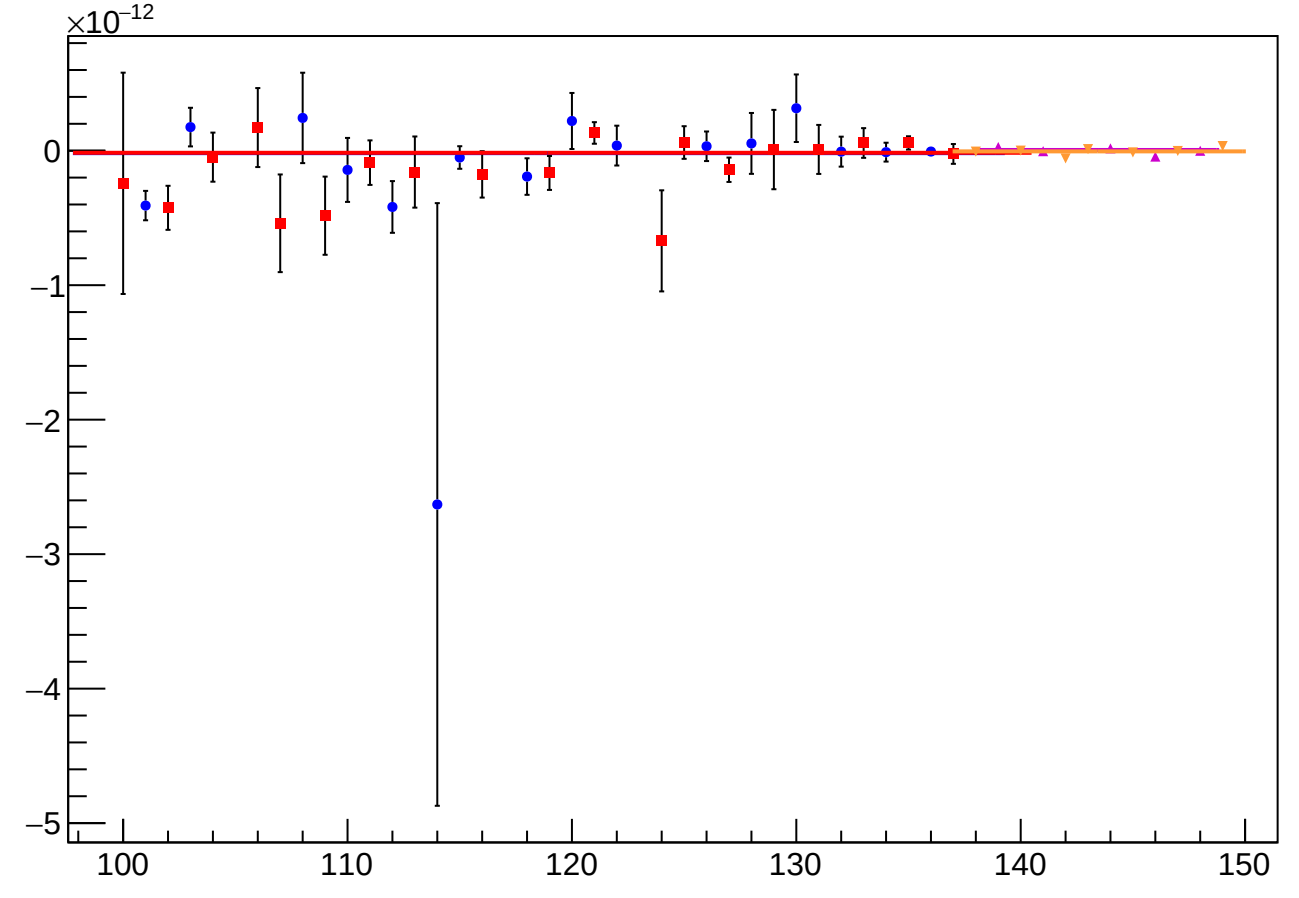
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 474.721+/-0.170 χ^2/NDF:705419.8/4

+ sign 644.155+/-0.149 χ^2/NDF: 6205493.1/22

All: 634.585+/-0.107 χ^2/NDF: 13324989.0/46

- 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:6.0/6

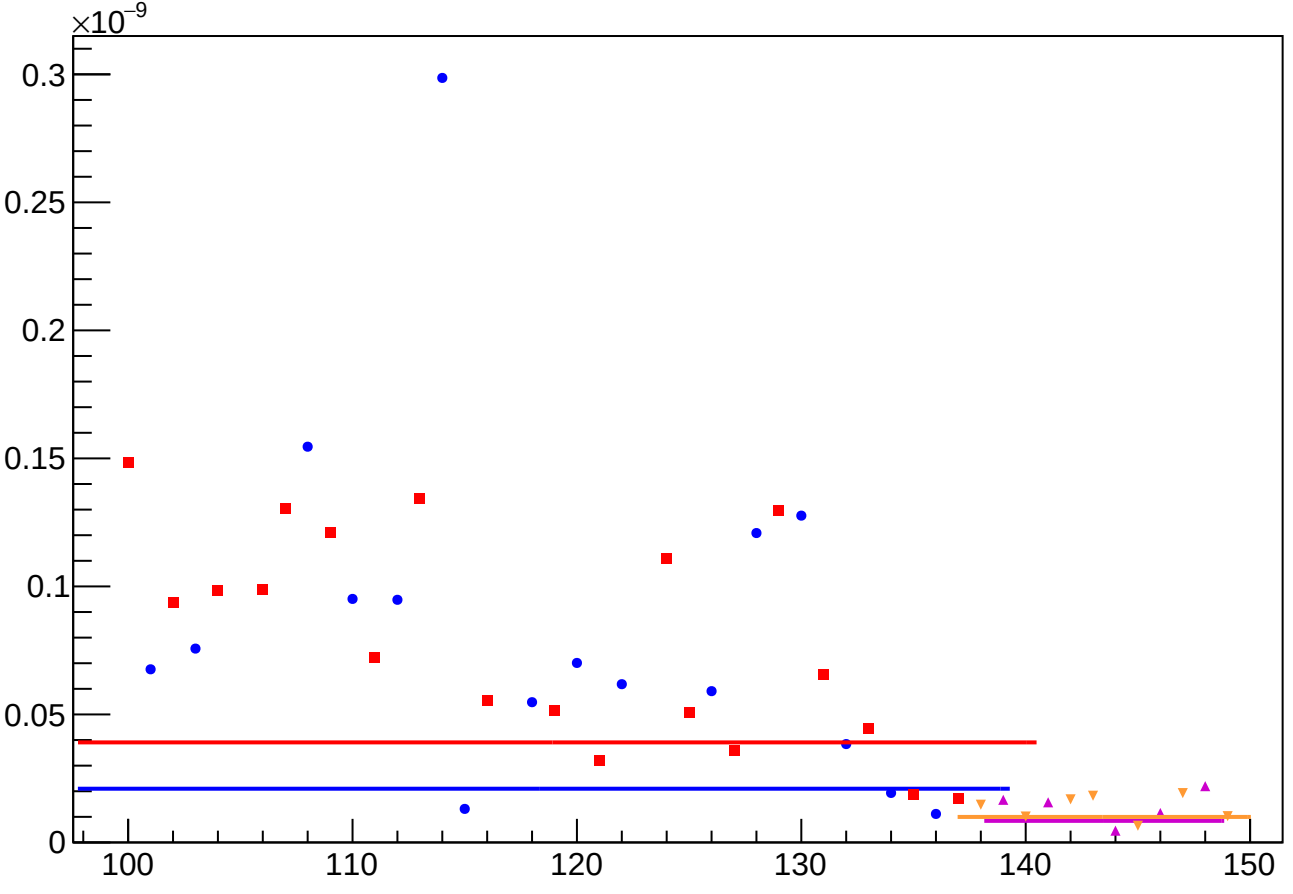
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 33.2/22

All: -0.000+/-0.000 χ^2/NDF: 70.2/46

- 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:649386.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

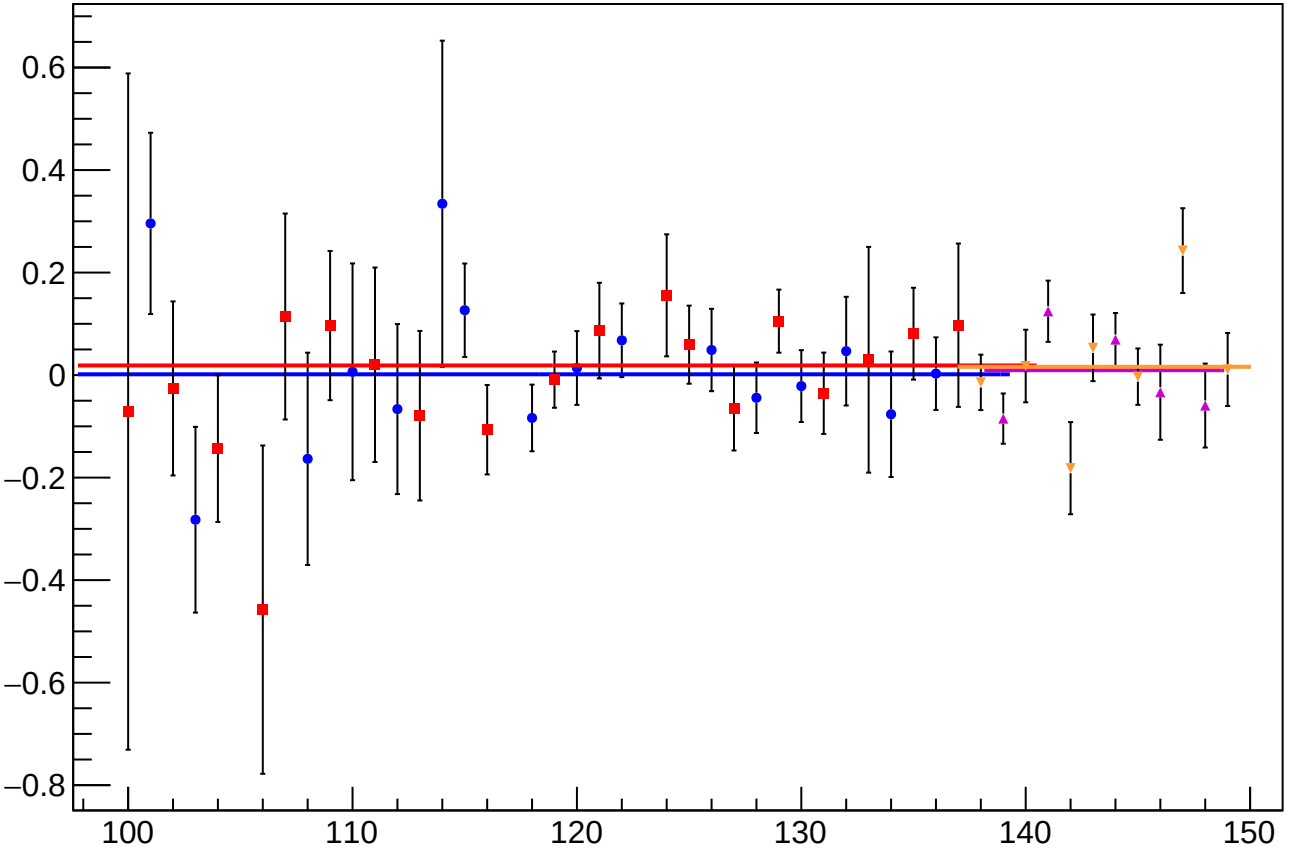
Left In: 0.000+/-0.000 χ^2/NDF:1008065.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 4682433.5/22

All: 0.000+/-0.000 χ^2/NDF: 10083657.3/46

- 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: 0.016+/-0.025 χ^2/NDF:13.1/6

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

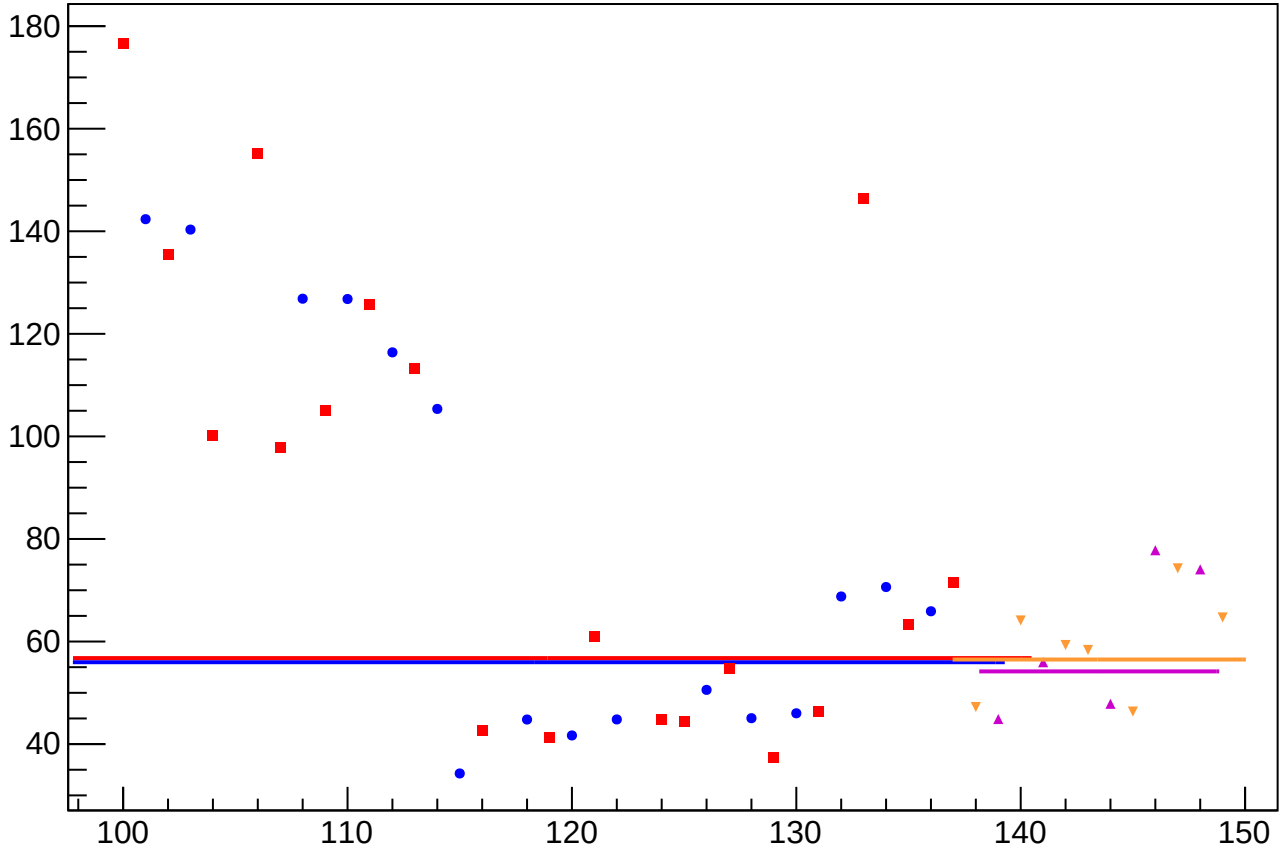
Left In: 0.009+/-0.027 χ^2/NDF:9.7/4

+ sign 0.008+/-0.017 χ^2/NDF: 26.4/22

All: 0.011+/-0.012 χ^2/NDF: 49.3/46

- 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: 56.494+/-0.018 χ^2/NDF:272505.0/6

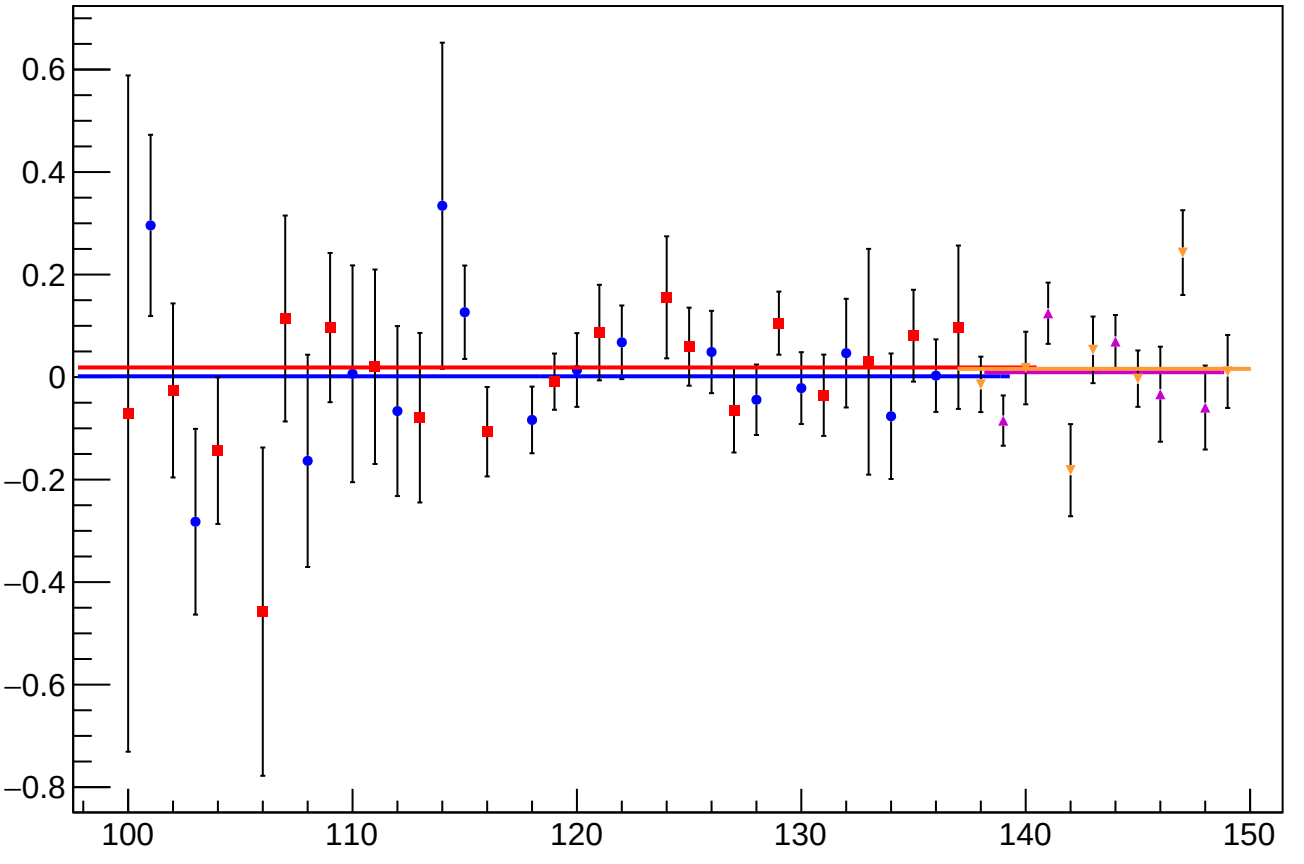
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.176+/-0.019 χ^2/NDF:351106.0/4

+ sign 56.212+/-0.012 χ^2/NDF: 2452800.9/22

All: 55.951+/-0.009 χ^2/NDF: 5368430.0/46

- 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: 0.016+/-0.025 χ^2/NDF:13.1/6

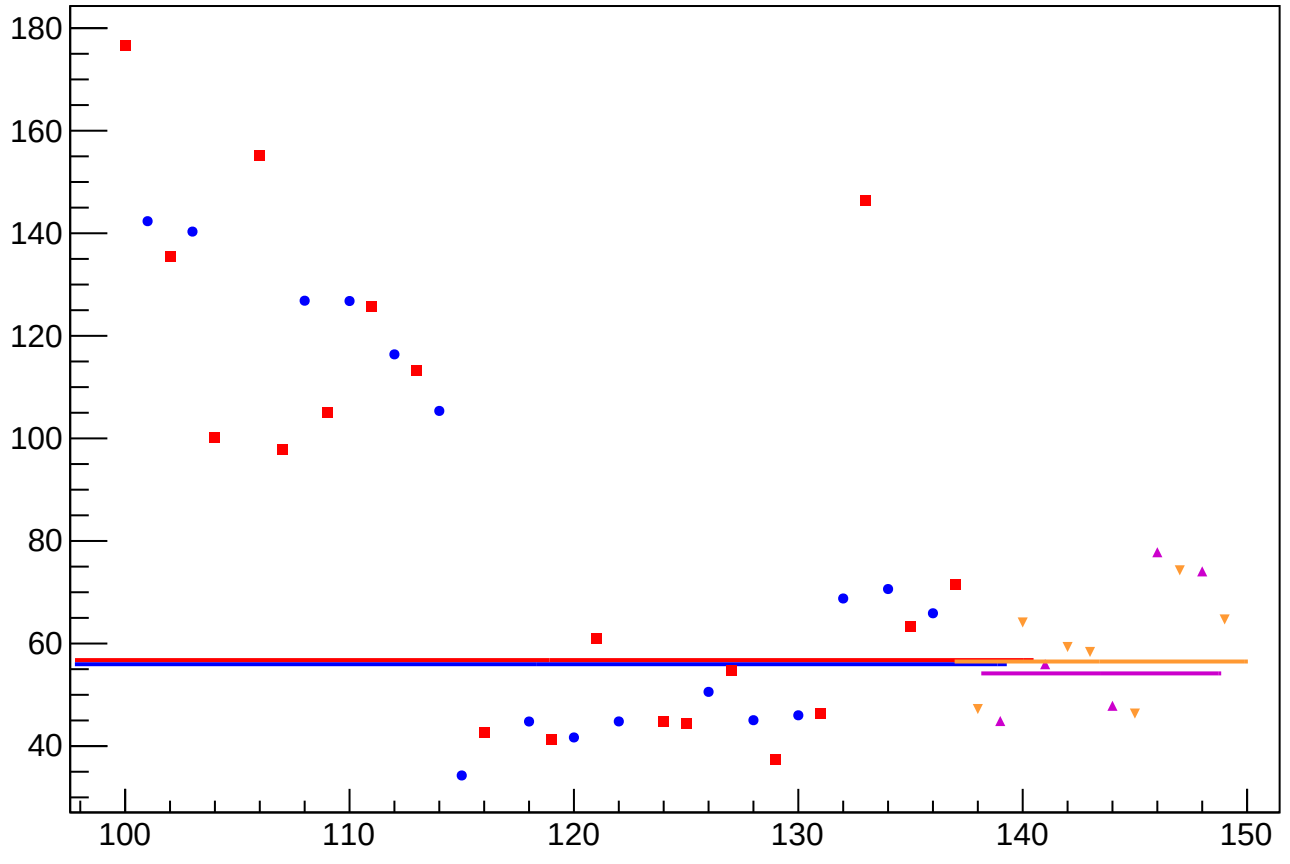
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.009+/-0.027 χ^2/NDF:9.7/4

+ sign 0.008+/-0.017 χ^2/NDF: 26.4/22

All: 0.011+/-0.012 χ^2/NDF: 49.3/46

- sign 0.015+/-0.018 χ^2/NDF: 22.8/23



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 56.494+/-0.018 χ^2/NDF:272505.0/6

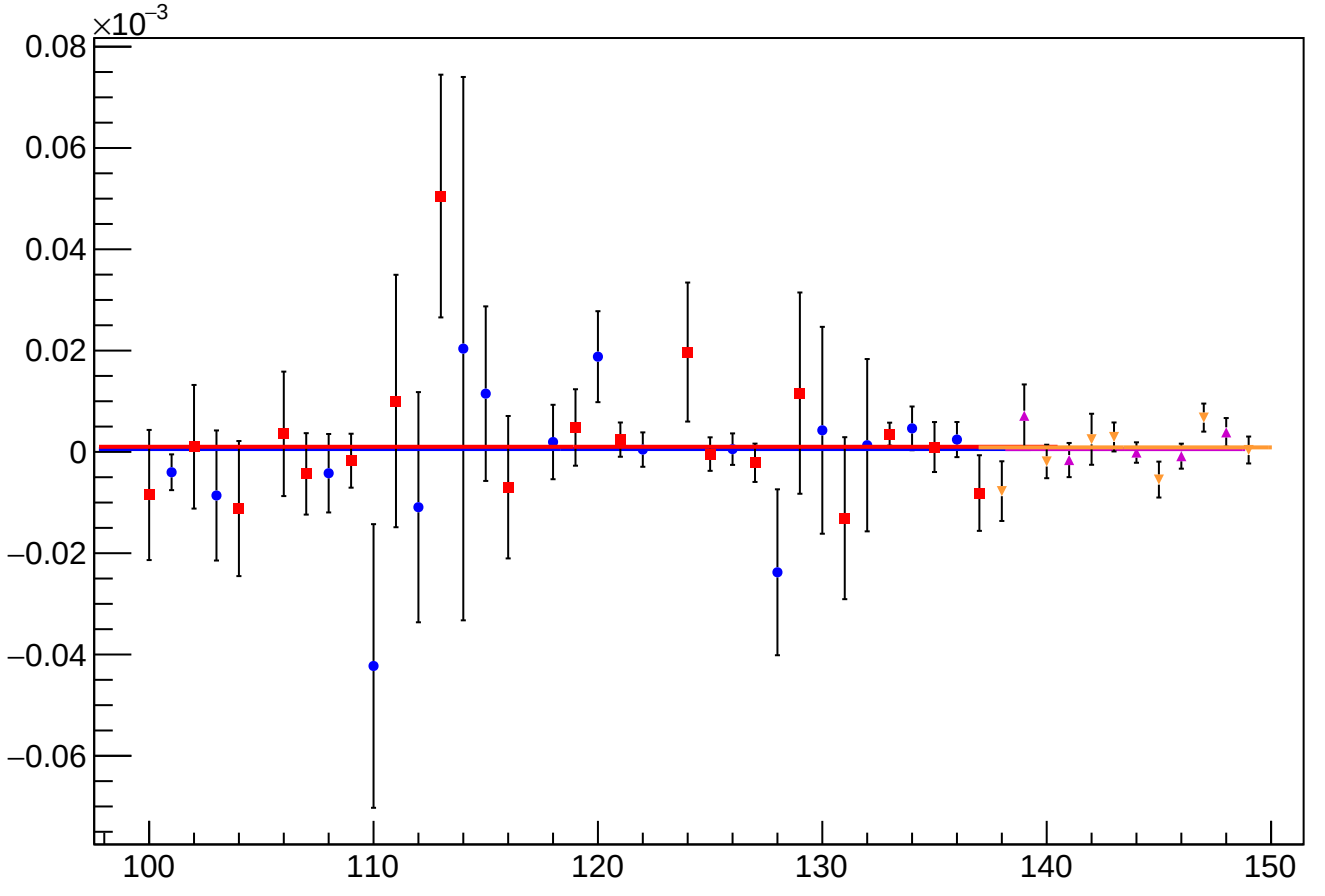
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.176+/-0.019 χ^2/NDF:351106.0/4

+ sign 56.212+/-0.012 χ^2/NDF: 2452800.9/22

All: 55.951+/-0.009 χ^2/NDF: 5368430.0/46

- 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:11.2/6

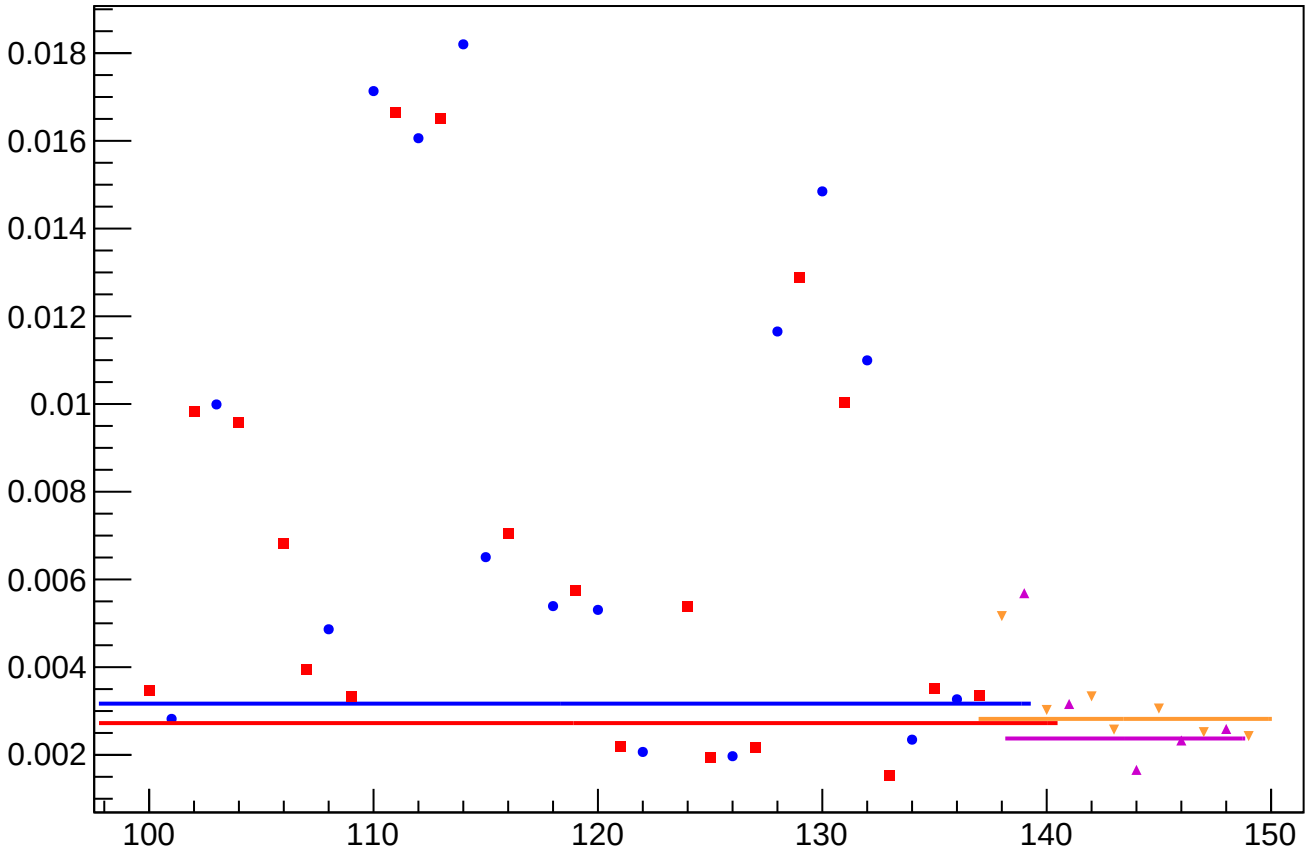
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 24.6/22

All: 0.000+/-0.000 χ^2/NDF: 41.8/46

- sign 0.000+/-0.000 χ^2/NDF: 17.2/23



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:435519.2/6

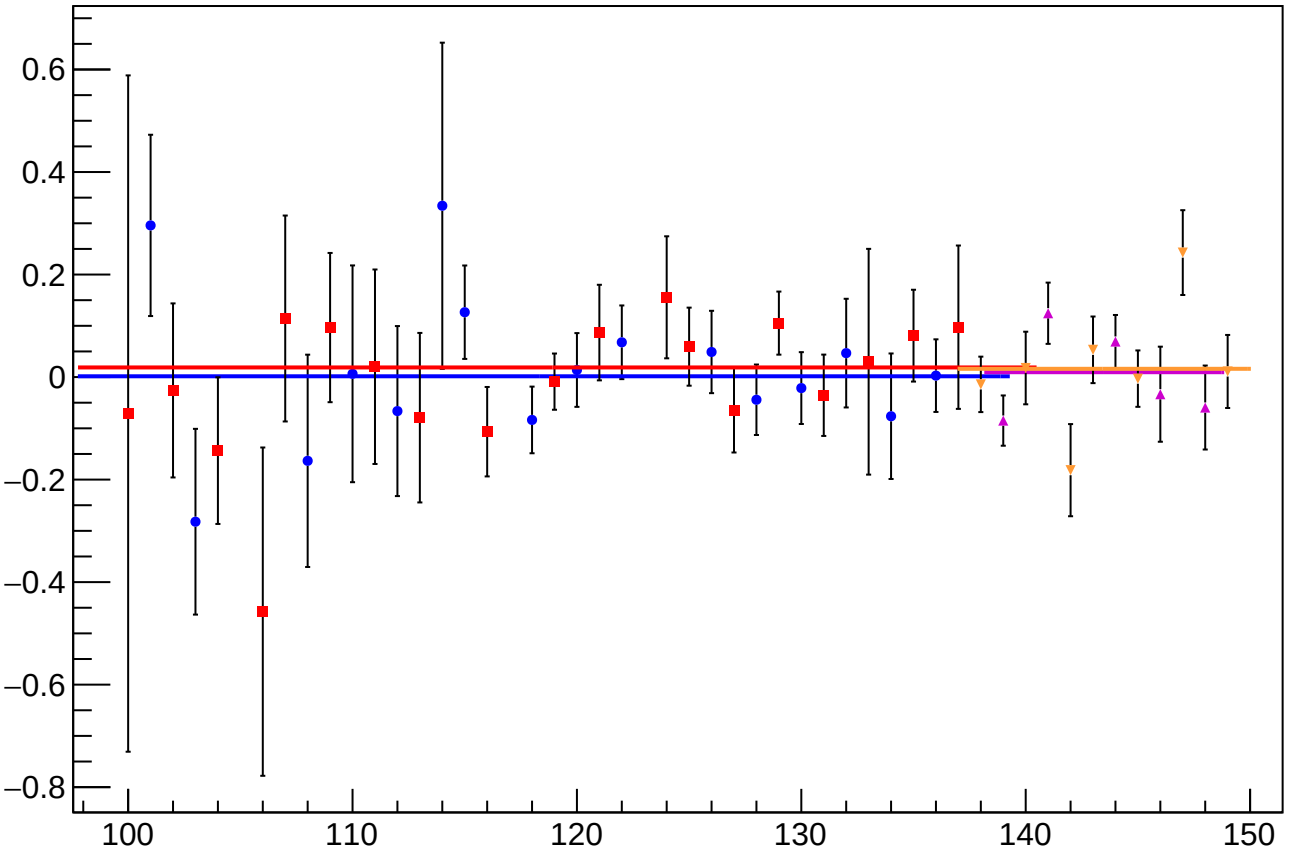
Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.002+/-0.000 χ^2/NDF:947149.5/4

+ sign 0.003+/-0.000 χ^2/NDF: 5046933.0/22

All: 0.003+/-0.000 χ^2/NDF: 11439422.3/46

- sign 0.003+/-0.000 χ^2/NDF: 6178211.7/23



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.016+/-0.025 χ^2/NDF:13.1/6

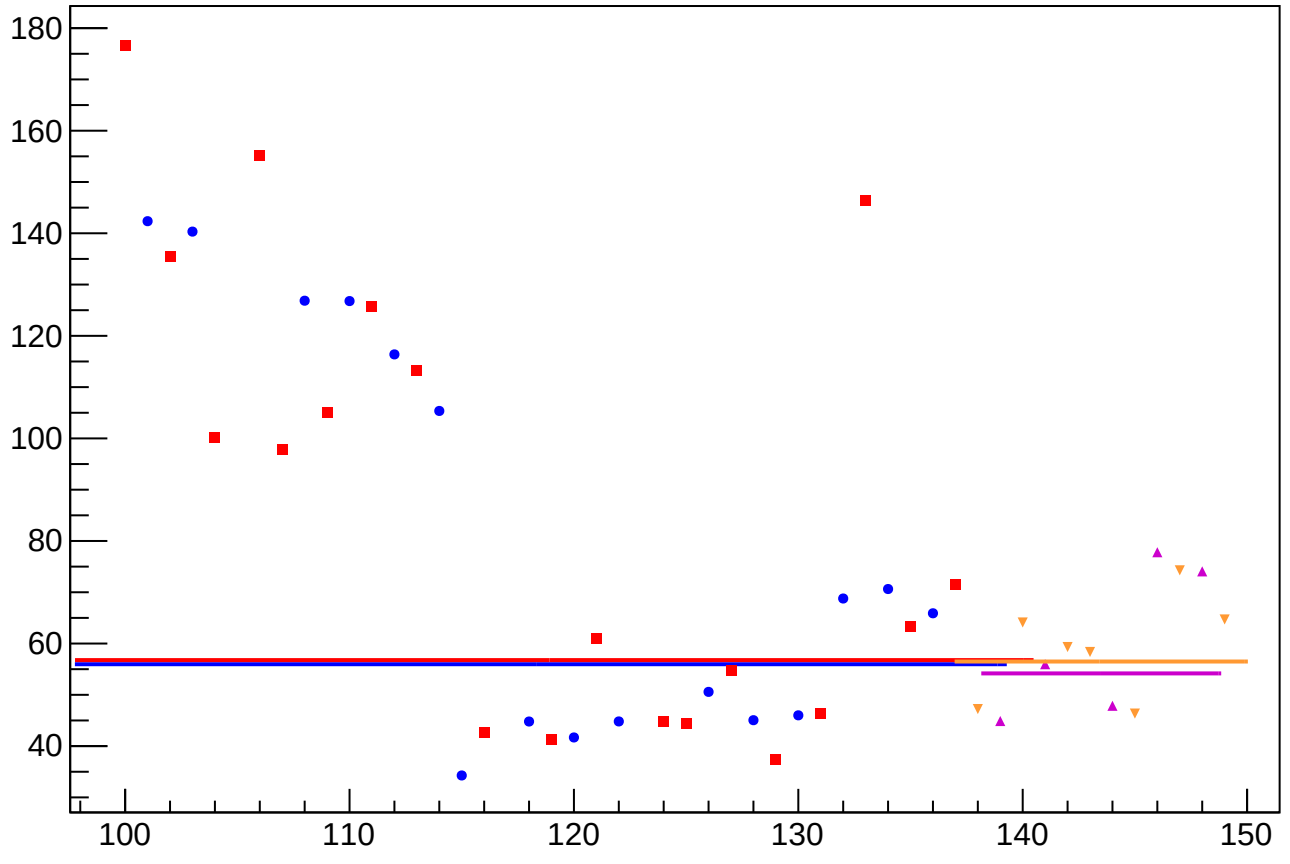
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.009+/-0.027 χ^2/NDF:9.7/4

+ sign 0.008+/-0.017 χ^2/NDF: 26.4/22

All: 0.011+/-0.012 χ^2/NDF: 49.3/46

- 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: 56.494+/-0.018 χ^2/NDF:272498.9/6

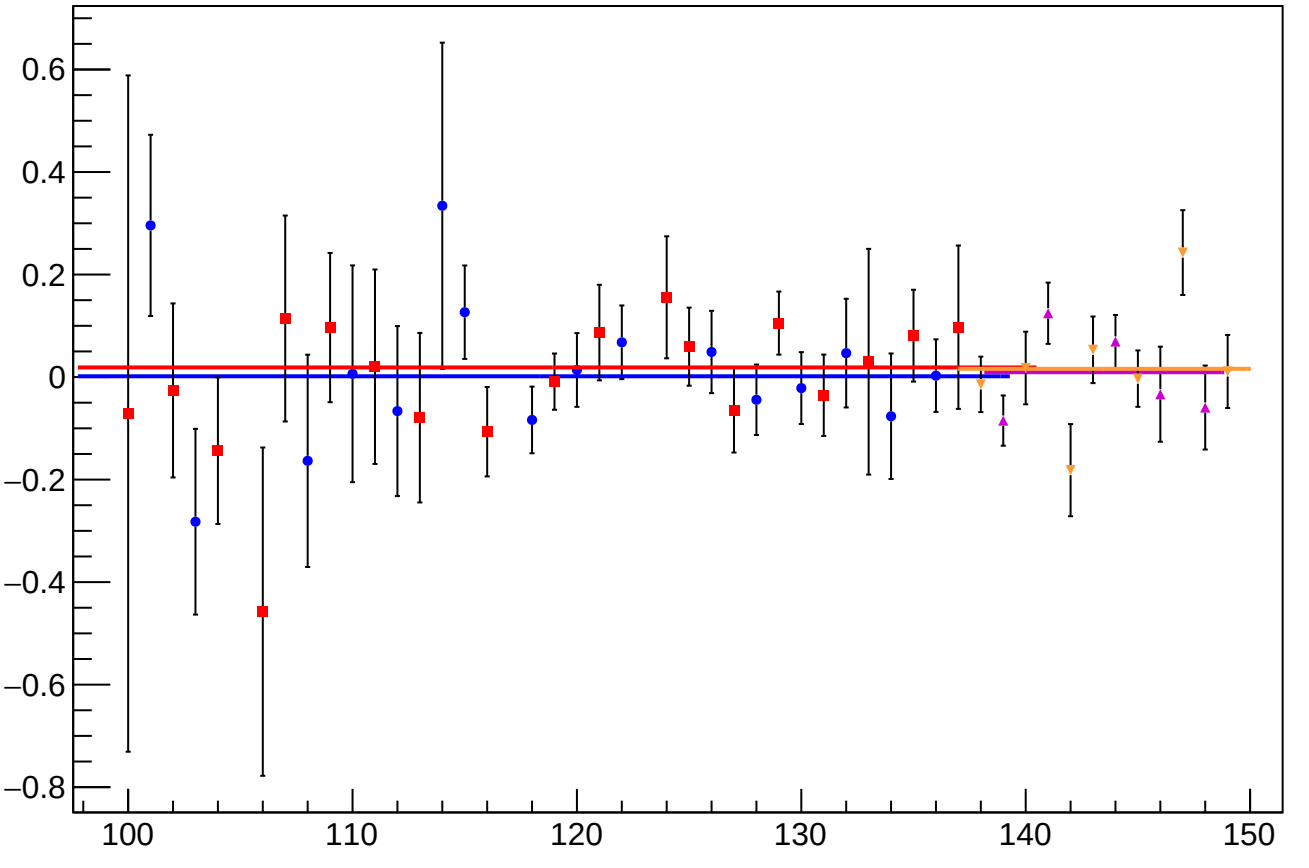
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.177+/-0.019 χ^2/NDF:351103.5/4

+ sign 56.212+/-0.012 χ^2/NDF: 2452724.9/22

All: 55.951+/-0.009 χ^2/NDF: 5368286.5/46

- 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: 0.016+/-0.025 χ^2/NDF:13.1/6

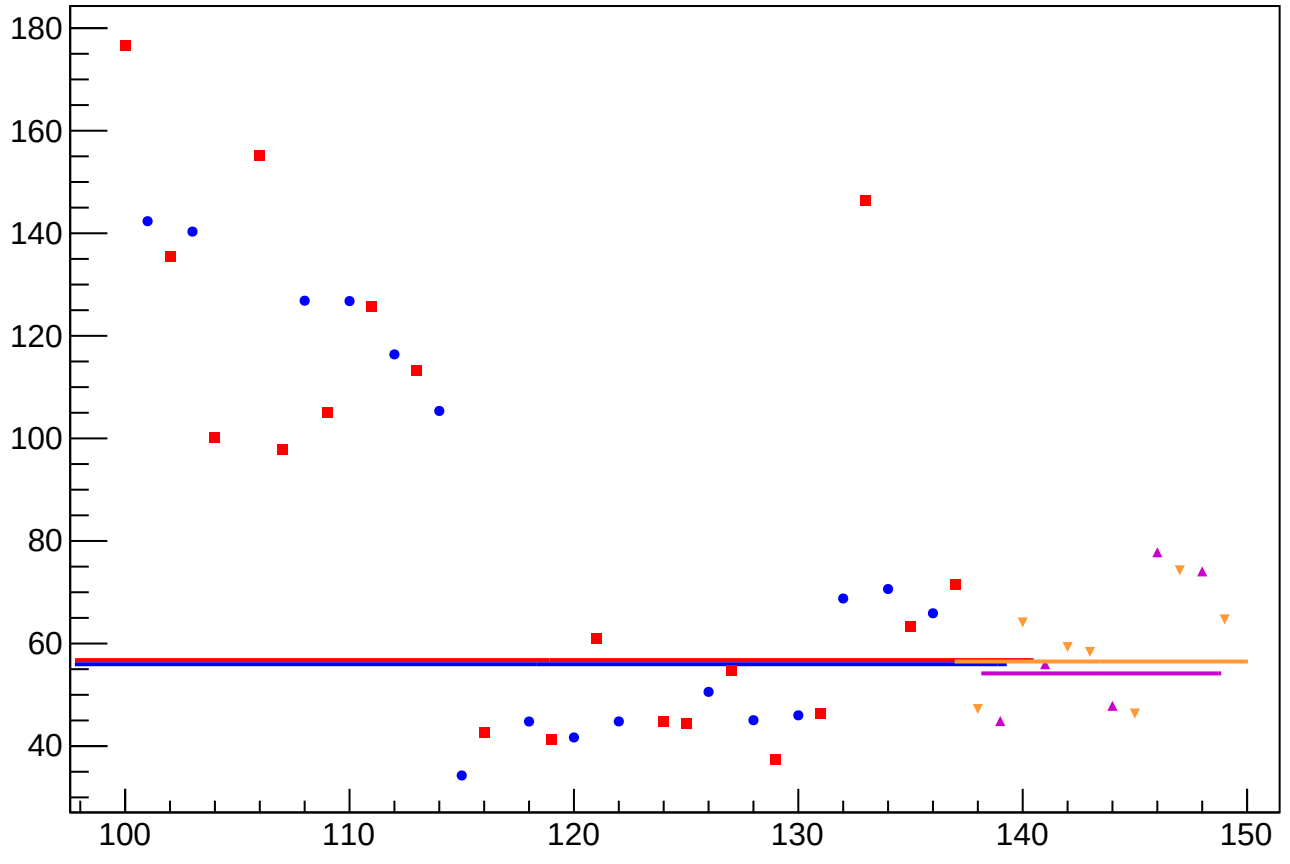
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.009+/-0.027 χ^2/NDF:9.7/4

+ sign 0.008+/-0.017 χ^2/NDF: 26.4/22

All: 0.011+/-0.012 χ^2/NDF: 49.3/46

- 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: 56.494+/-0.018 χ^2/NDF:272498.9/6

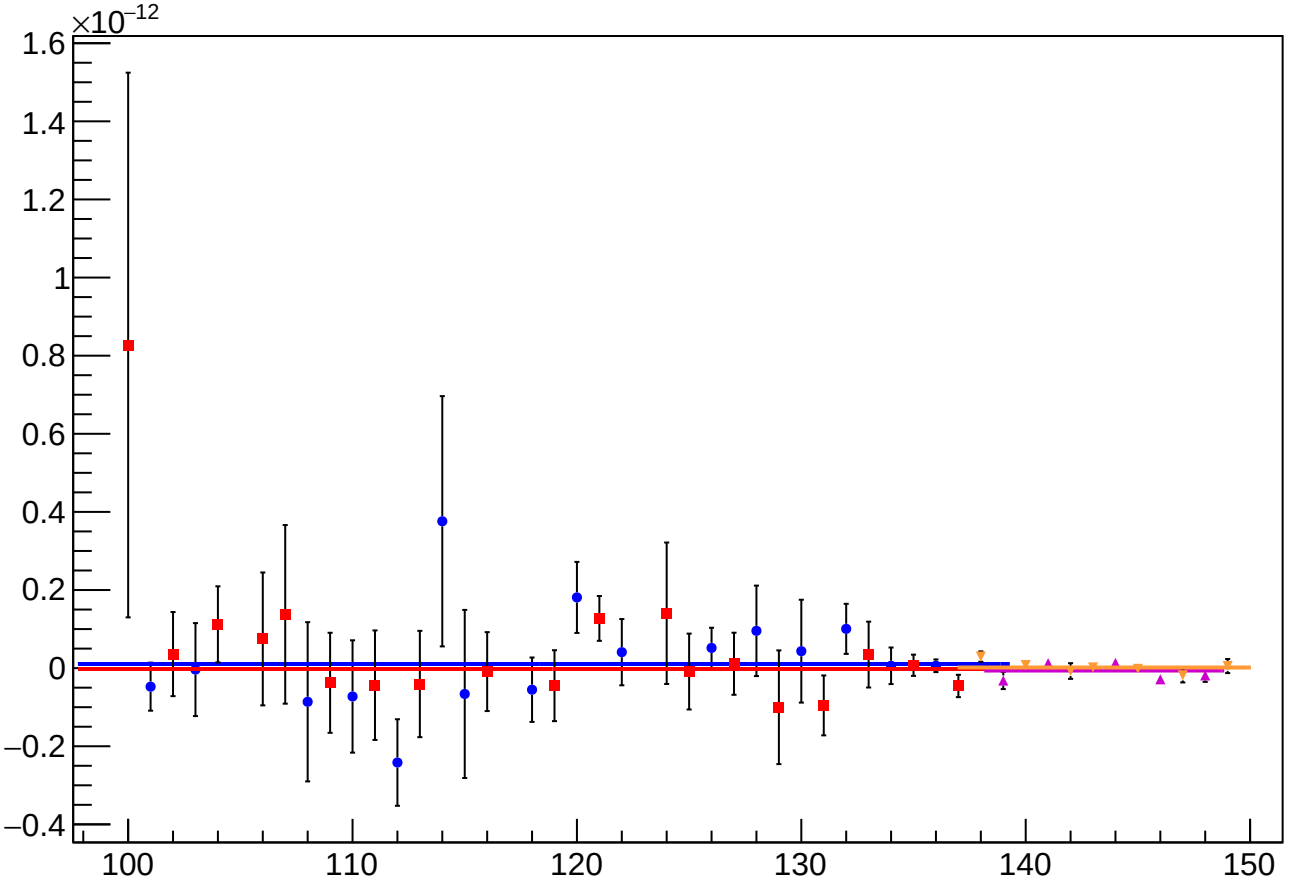
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.177+/-0.019 χ^2/NDF:351103.5/4

+ sign 56.212+/-0.012 χ^2/NDF: 2452724.9/22

All: 55.951+/-0.009 χ^2/NDF: 5368286.5/46

- 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:6.7/6

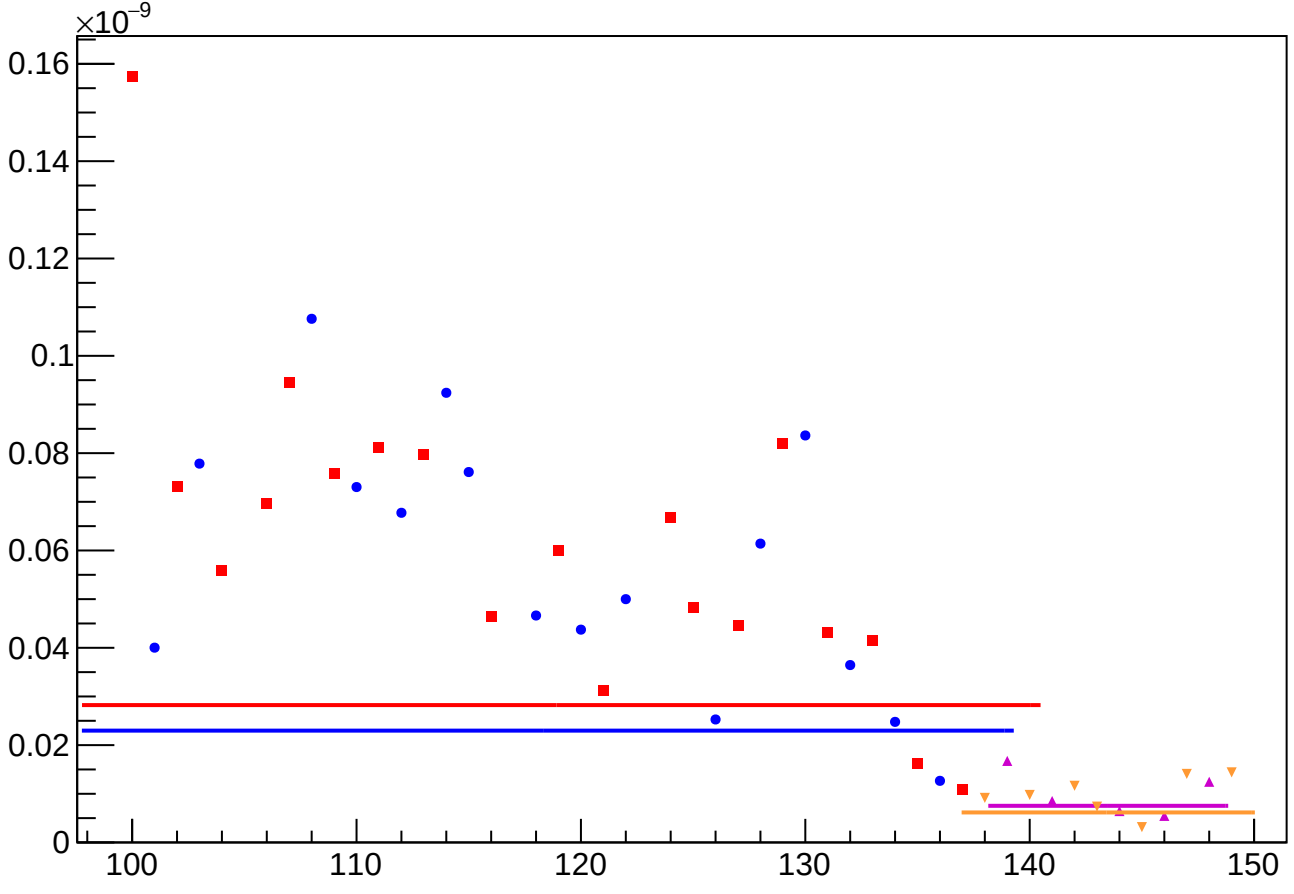
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 22.8/22

All: -0.000+/-0.000 χ^2/NDF: 56.5/46

- 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:1960438.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

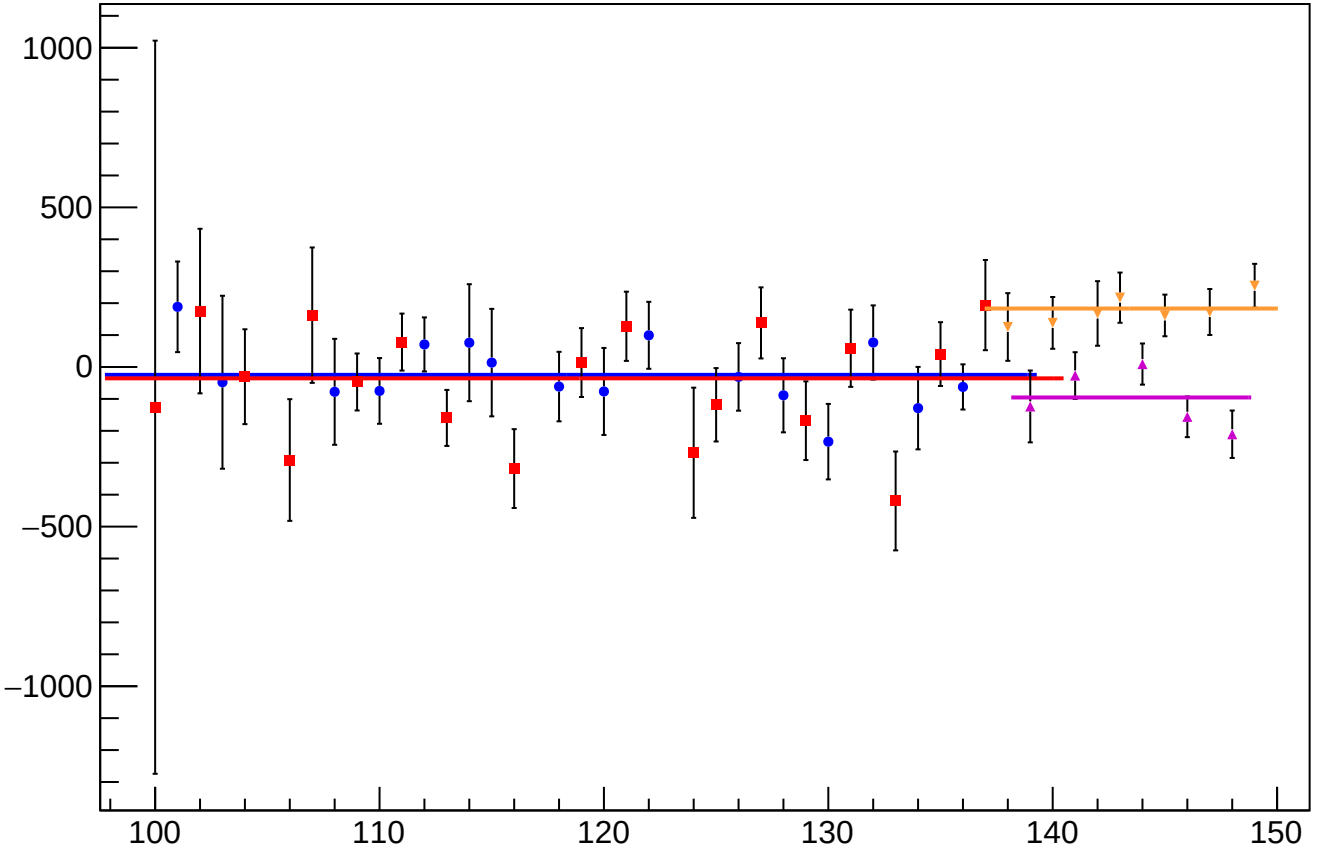
Left In: 0.000+/-0.000 χ^2/NDF:705764.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 8789996.9/22

All: 0.000+/-0.000 χ^2/NDF: 16765166.1/46

- 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: 183.161+/-29.606 χ^2/NDF:2.0/6

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

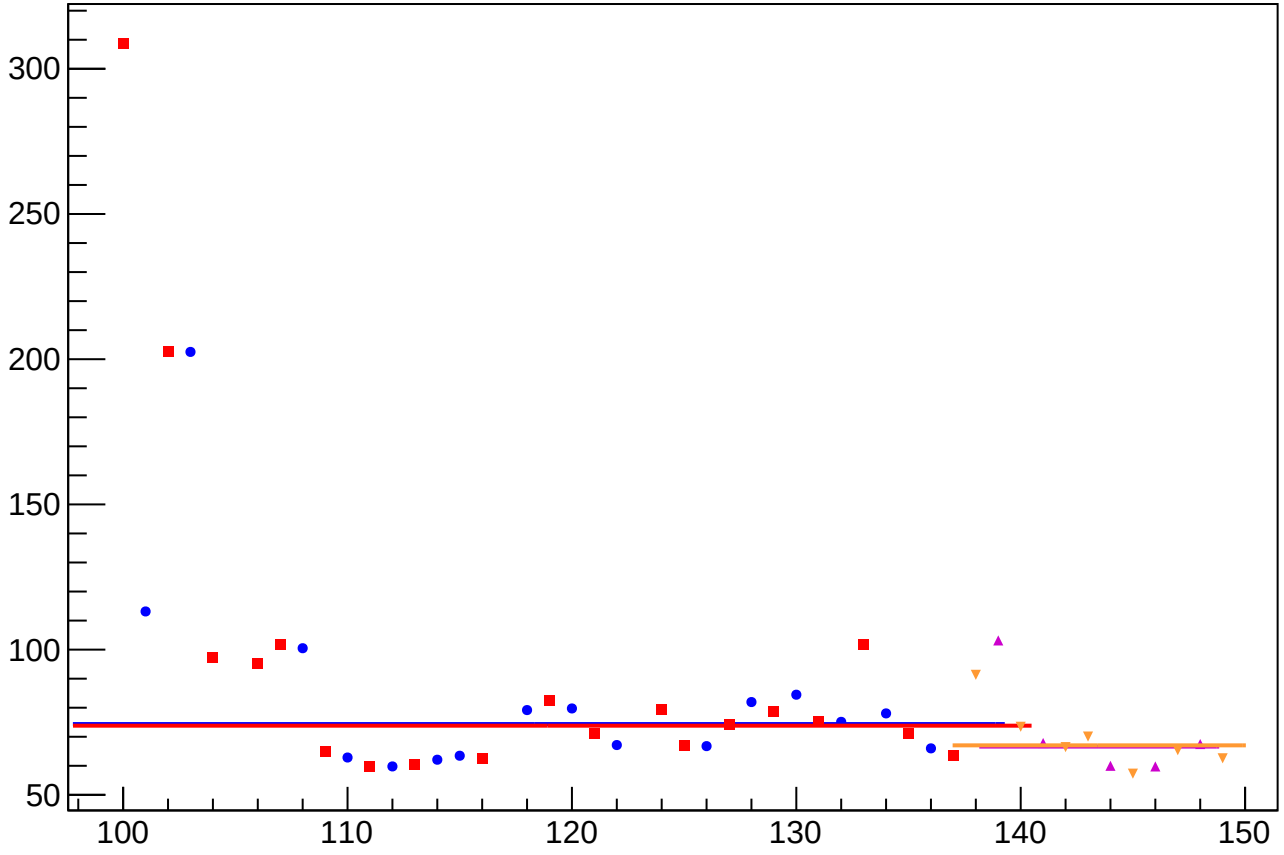
Left In: -95.438+/-32.717 χ^2/NDF:6.9/4

+ sign 76.801+/-20.685 χ^2/NDF: 38.3/22

All: 10.293+/-14.896 χ^2/NDF: 98.6/46

- 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: 67.040+/-0.021 χ^2/NDF:174747.1/6

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

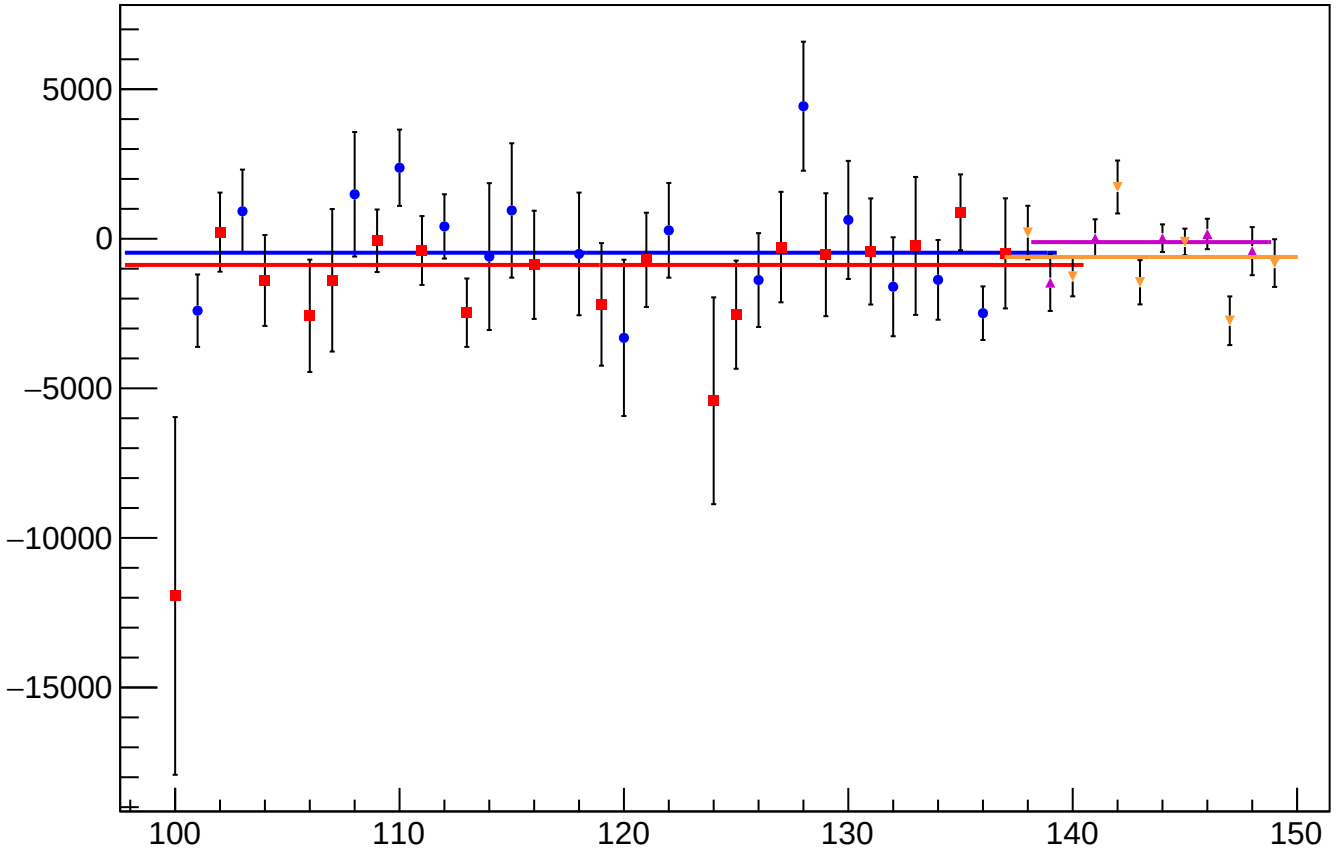
Left In: 66.617+/-0.023 χ^2/NDF:256006.5/4

+ sign 70.791+/-0.015 χ^2/NDF: 1065070.3/22

All: 70.755+/-0.011 χ^2/NDF: 2308152.8/46

- sign 70.715+/-0.015 χ^2/NDF: 1243069.5/23

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -608.971+/-260.110 χ^2/NDF:18.3/6

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

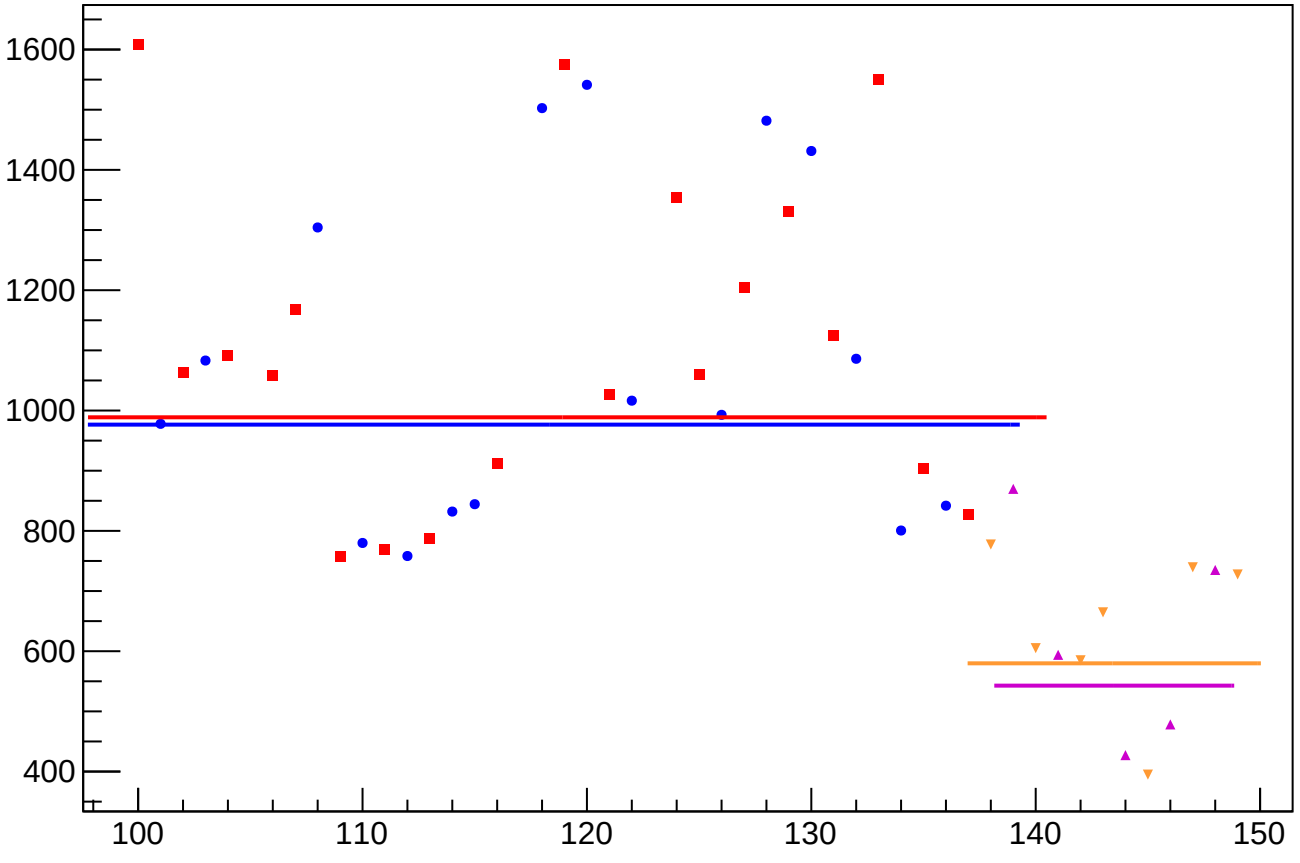
Left In: -111.539+/-270.448 χ^2/NDF:2.6/4

+ sign -562.705+/-213.734 χ^2/NDF: 42.1/22

All: -471.259+/-152.891 χ^2/NDF: 60.9/46

- 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: 579.865+/-0.184 χ^2/NDF:619321.1/6

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

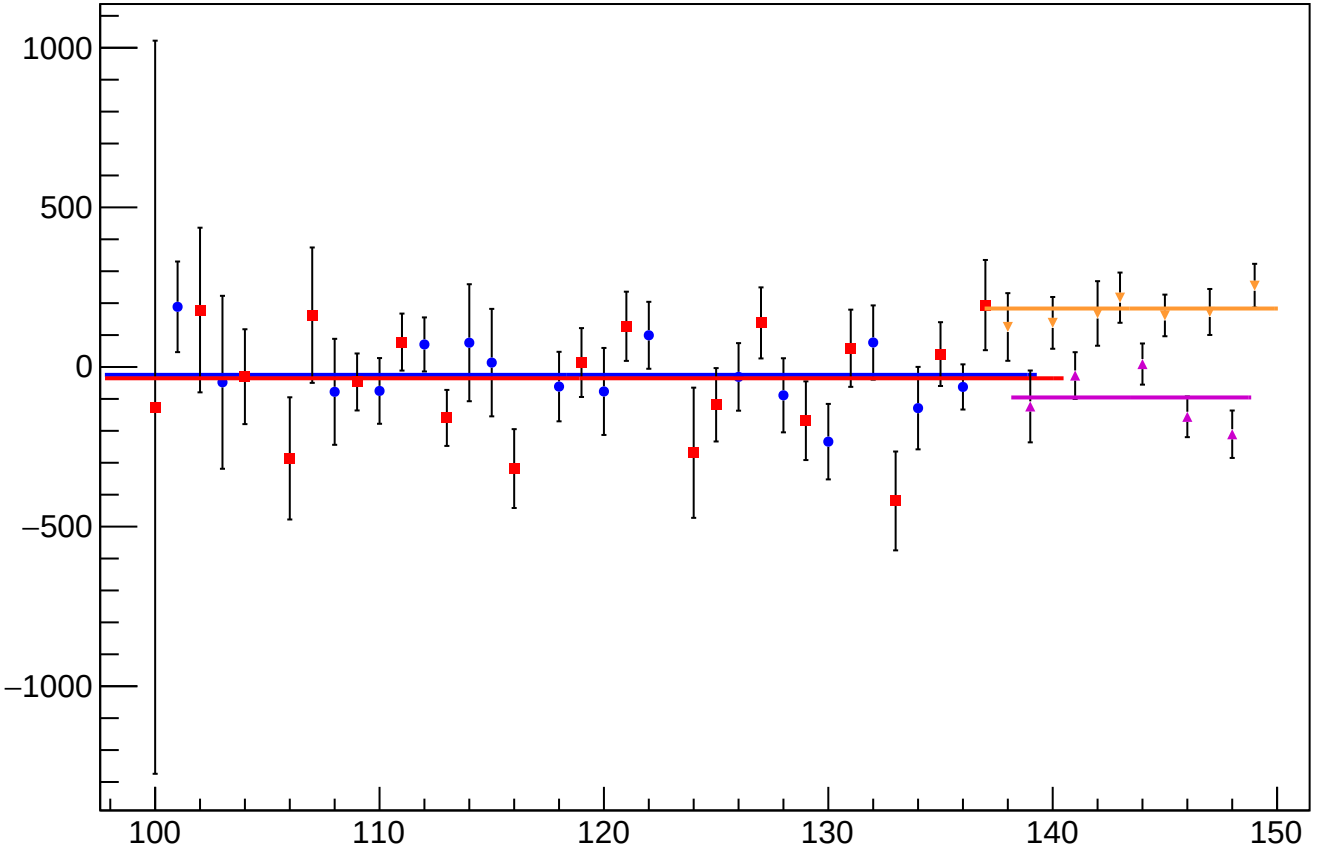
Left In: 542.785+/-0.191 χ^2/NDF:522049.3/4

+ sign 708.718+/-0.151 χ^2/NDF: 2867028.5/22

All: 702.931+/-0.108 χ^2/NDF: 5986794.6/46

- 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: 183.167+/-29.606 χ^2/NDF:2.0/6

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

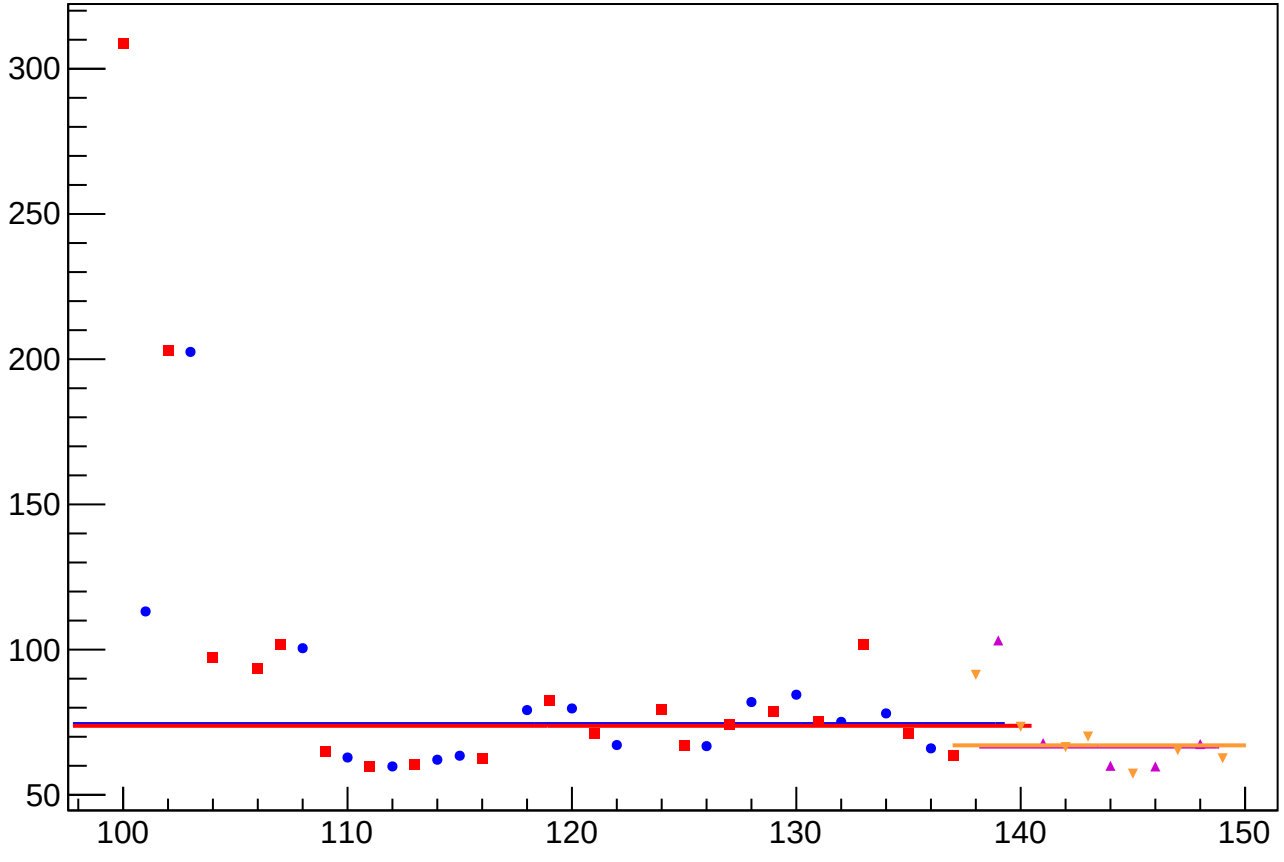
Left In: -95.435+/-32.717 χ^2/NDF:6.9/4

+ sign 76.800+/-20.685 χ^2/NDF: 38.3/22

All: 10.350+/-14.897 χ^2/NDF: 98.5/46

- 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: 67.040+/-0.021 χ^2/NDF:174747.1/6

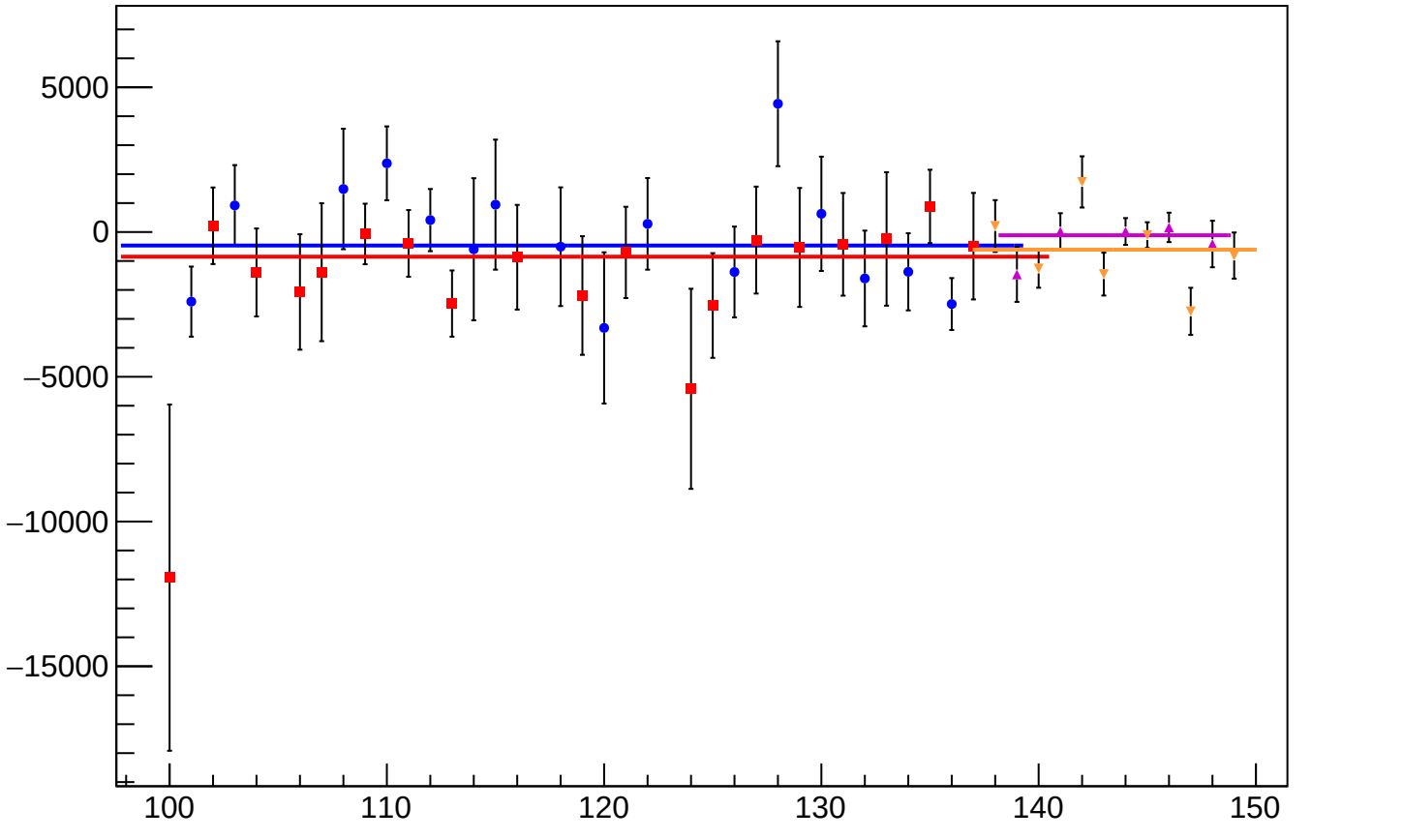
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.617+/-0.023 χ^2/NDF:256006.5/4

+ sign 70.791+/-0.015 χ^2/NDF: 1065072.3/22

All: 70.743+/-0.011 χ^2/NDF: 2303735.3/46

- 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: -608.966+/-260.110 χ^2/NDF:18.3/6

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

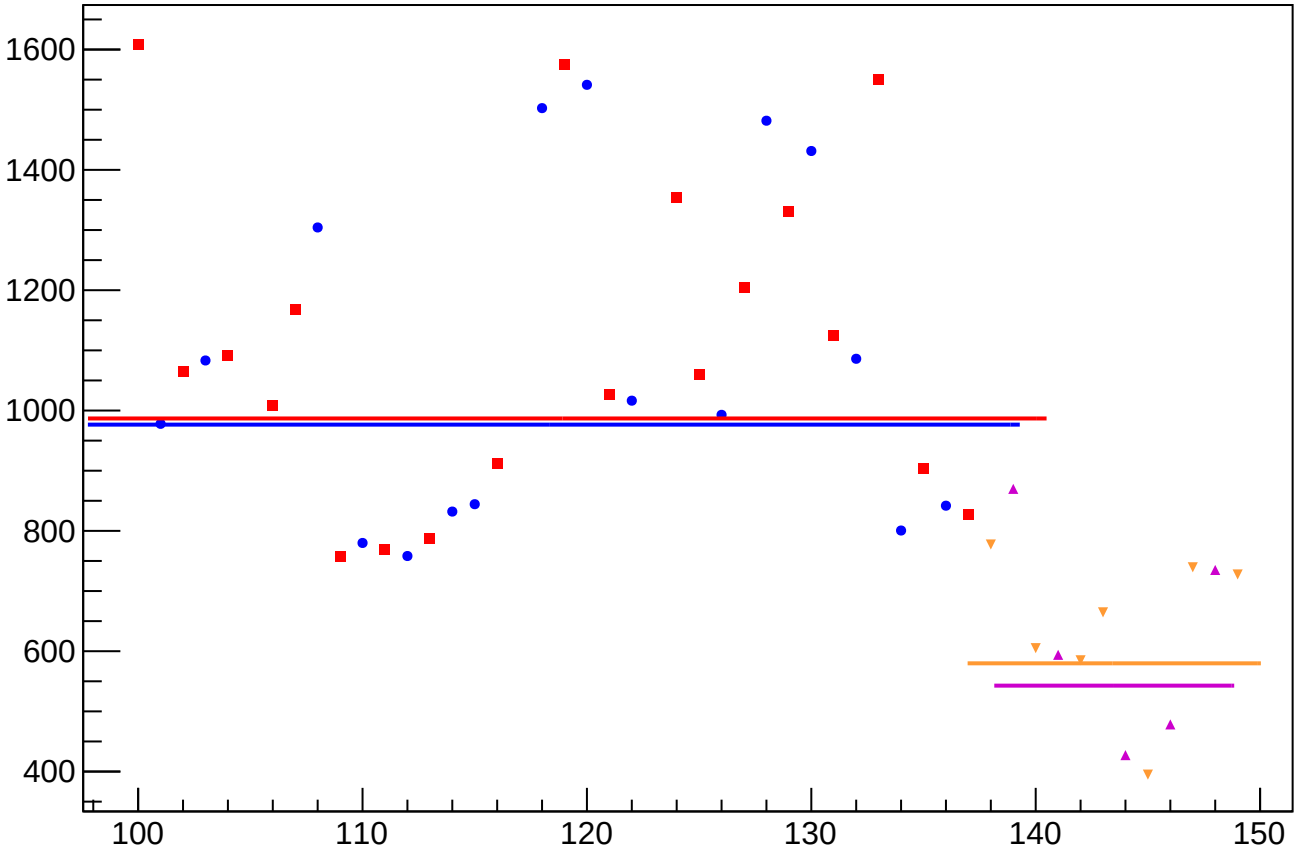
Left In: -111.542+/-270.448 χ^2/NDF:2.6/4

+ sign -562.697+/-213.734 χ^2/NDF: 42.1/22

All: -466.811+/-152.950 χ^2/NDF: 60.2/46

- 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: 579.865+/-0.184 χ^2/NDF:619320.0/6

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

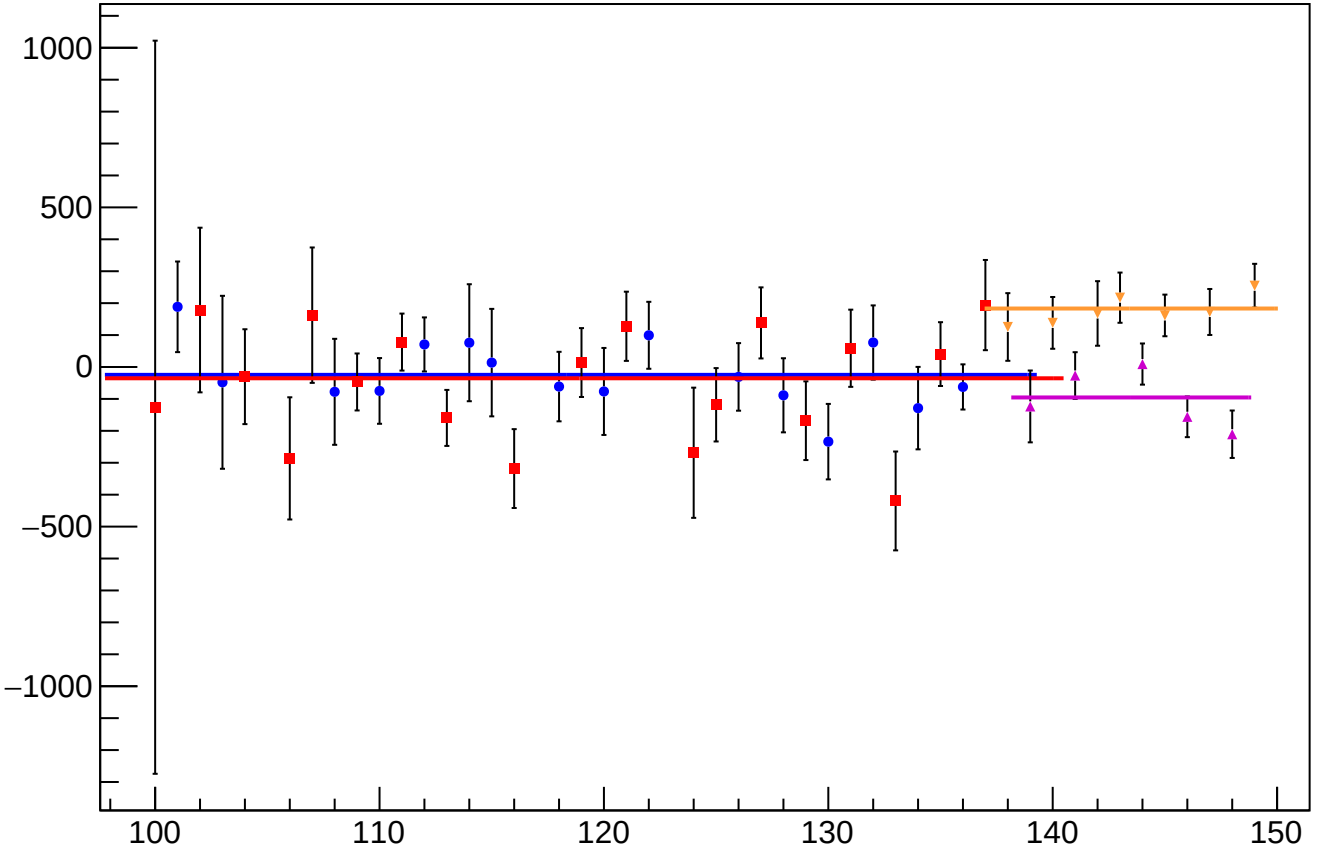
Left In: 542.785+/-0.191 χ^2/NDF:522050.3/4

+ sign 708.719+/-0.151 χ^2/NDF: 2867083.5/22

All: 702.385+/-0.108 χ^2/NDF: 5963171.1/46

- 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: 183.167+/-29.606 χ^2/NDF:2.0/6

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

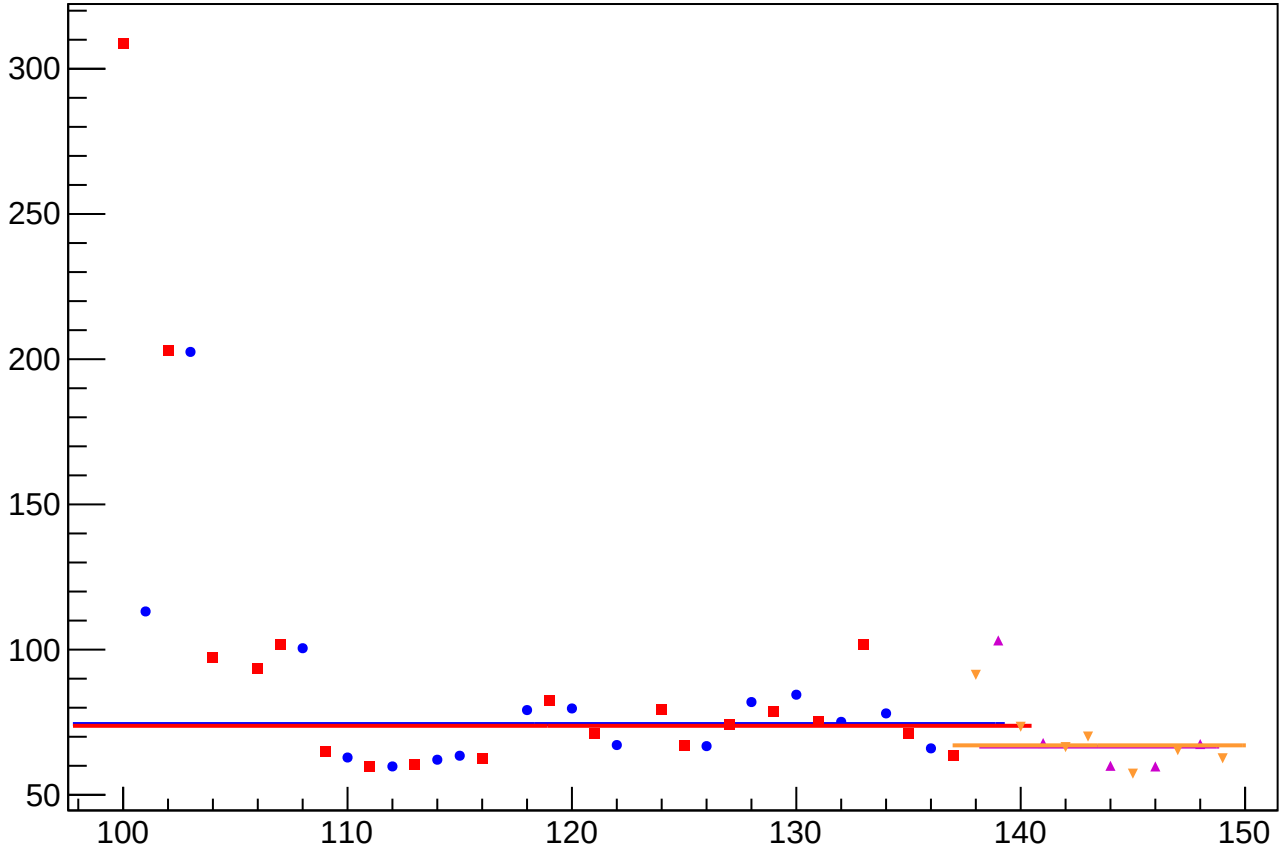
Left In: -95.435+/-32.717 χ^2/NDF:6.9/4

+ sign 76.800+/-20.685 χ^2/NDF: 38.3/22

All: 10.350+/-14.897 χ^2/NDF: 98.5/46

- 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: 67.040+/-0.021 χ^2/NDF:174747.1/6

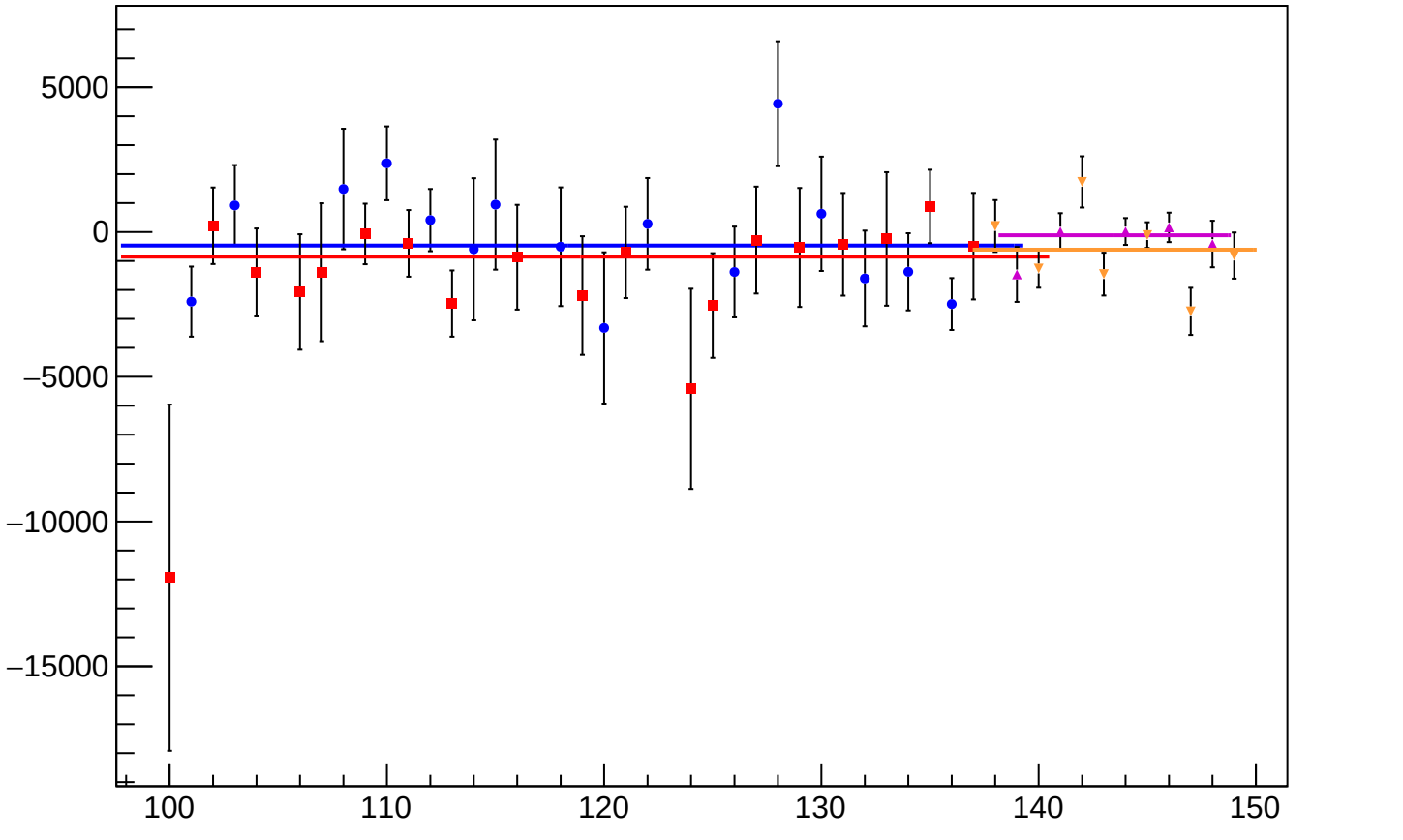
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.617+/-0.023 χ^2/NDF:256006.5/4

+ sign 70.791+/-0.015 χ^2/NDF: 1065072.3/22

All: 70.743+/-0.011 χ^2/NDF: 2303735.3/46

- 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: -608.966+/-260.110 χ^2/NDF:18.3/6

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

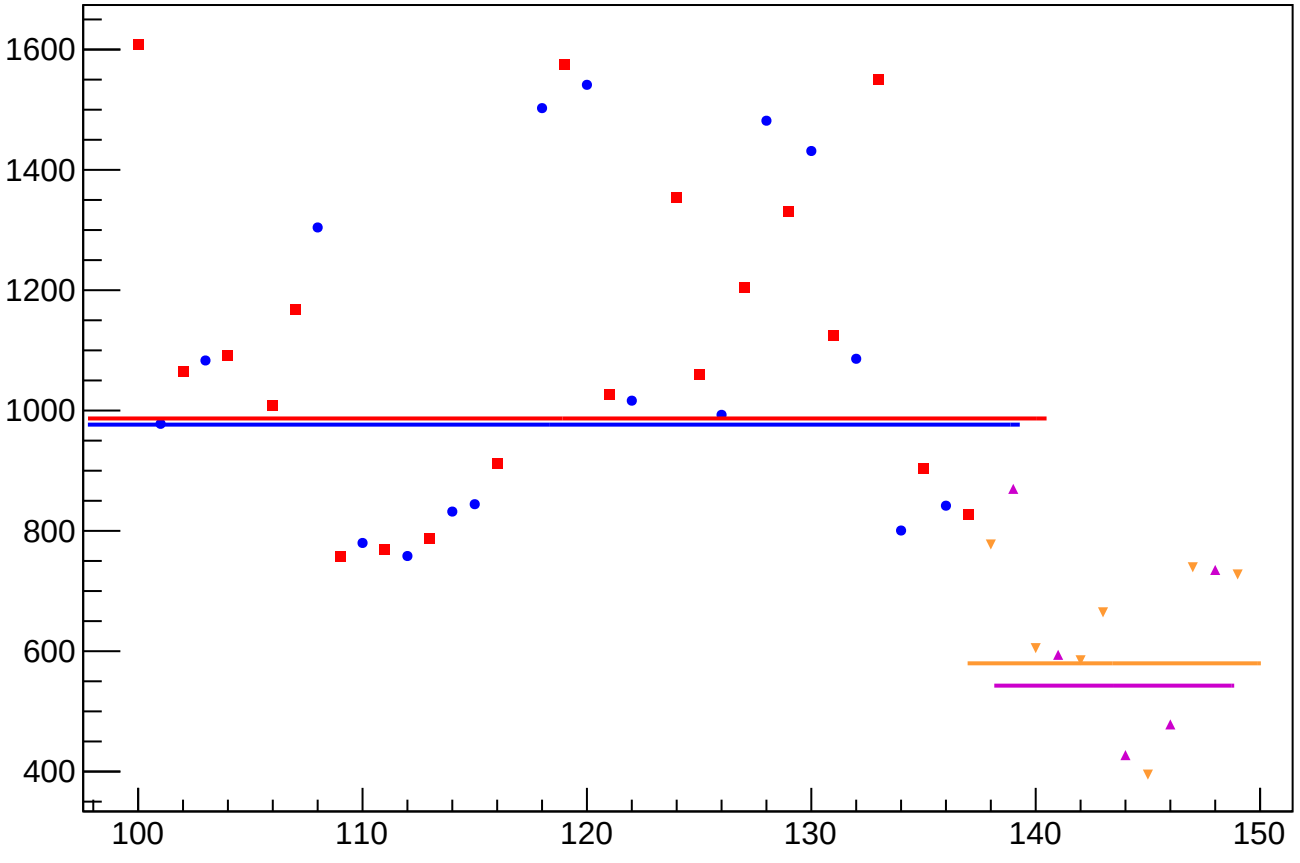
Left In: -111.542+/-270.448 χ^2/NDF:2.6/4

\+ sign -562.697+/-213.734 χ^2/NDF: 42.1/22

All: -466.811+/-152.950 χ^2/NDF: 60.2/46

\- sign -366.170+/-218.970 χ^2/NDF: 17.7/23

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 579.865+/-0.184 χ^2/NDF:619320.0/6

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

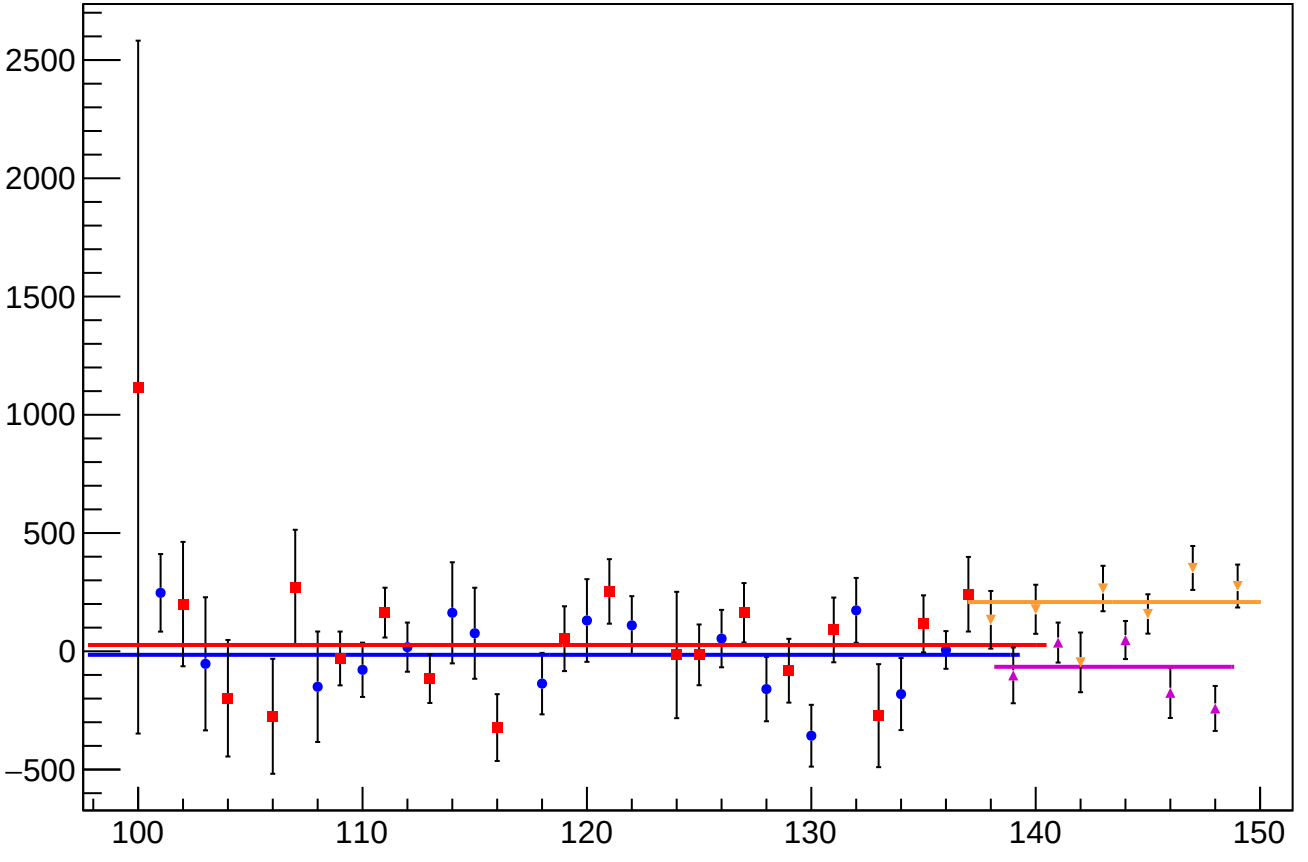
Left In: 542.785+/-0.191 χ^2/NDF:522050.3/4

+ sign 708.719+/-0.151 χ^2/NDF: 2867083.5/22

All: 702.385+/-0.108 χ^2/NDF: 5963171.1/46

- 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: 208.164+/-37.451 χ^2/NDF:8.2/6

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

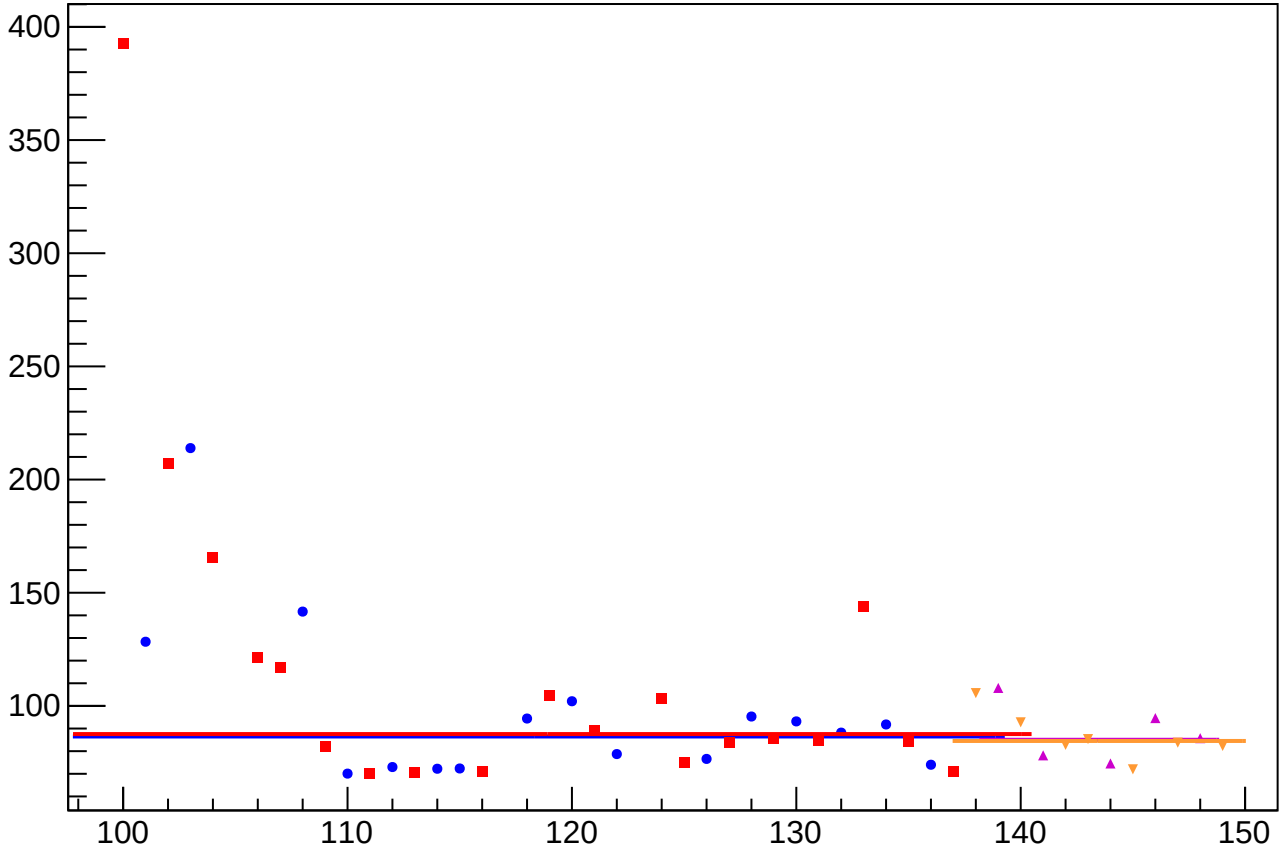
Left In: -65.608+/-42.077 χ^2/NDF:8.0/4

+ sign 85.075+/-25.076 χ^2/NDF: 46.1/22

All: 40.179+/-18.207 χ^2/NDF: 87.4/46

- 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: 84.510+/-0.026 χ^2/NDF:119886.5/6

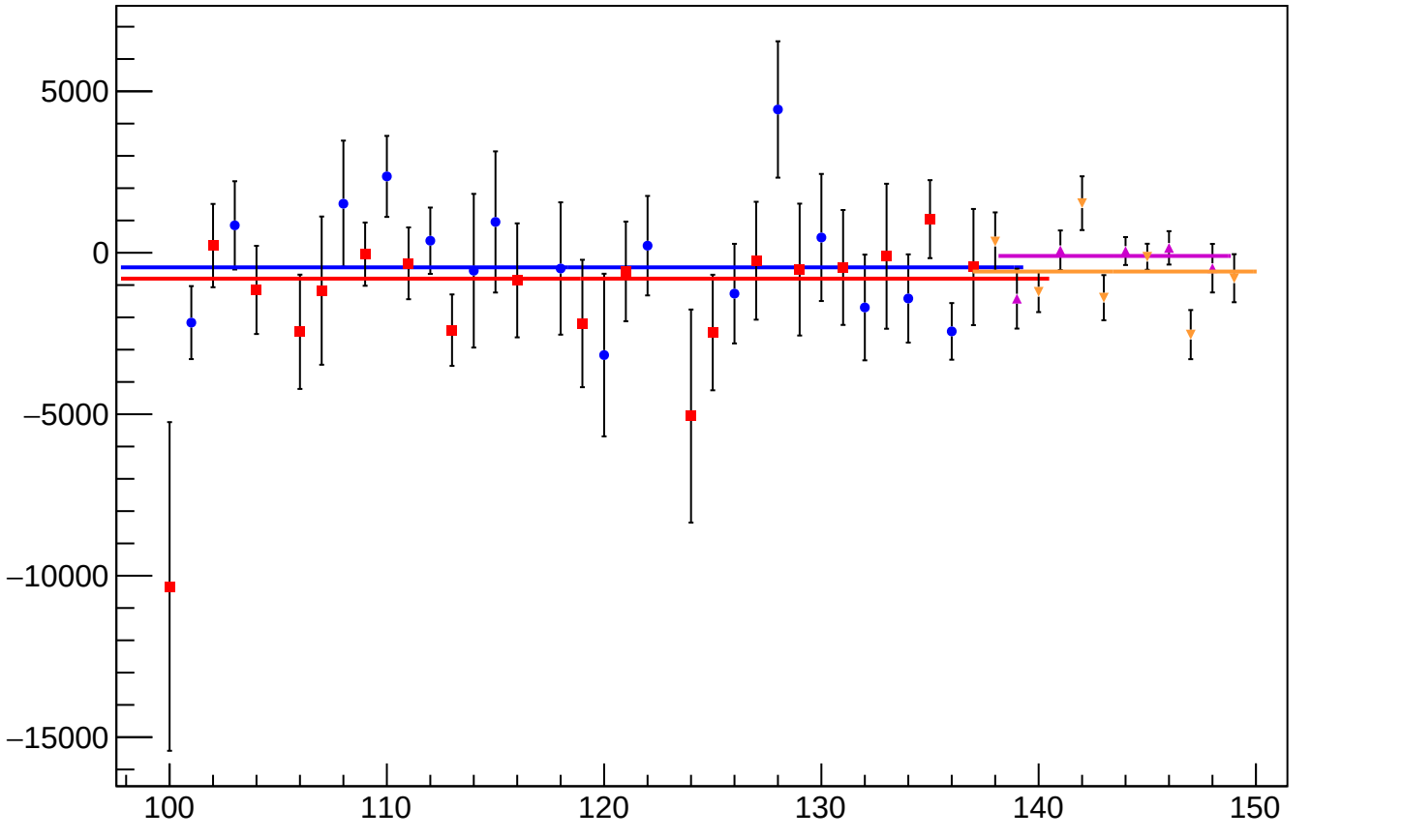
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 85.033+/-0.030 χ^2/NDF:138869.6/4

+ sign 85.602+/-0.018 χ^2/NDF: 979224.2/22

All: 86.053+/-0.013 χ^2/NDF: 2253595.4/46

- 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: -580.800+/-243.044 χ^2/NDF:17.8/6

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

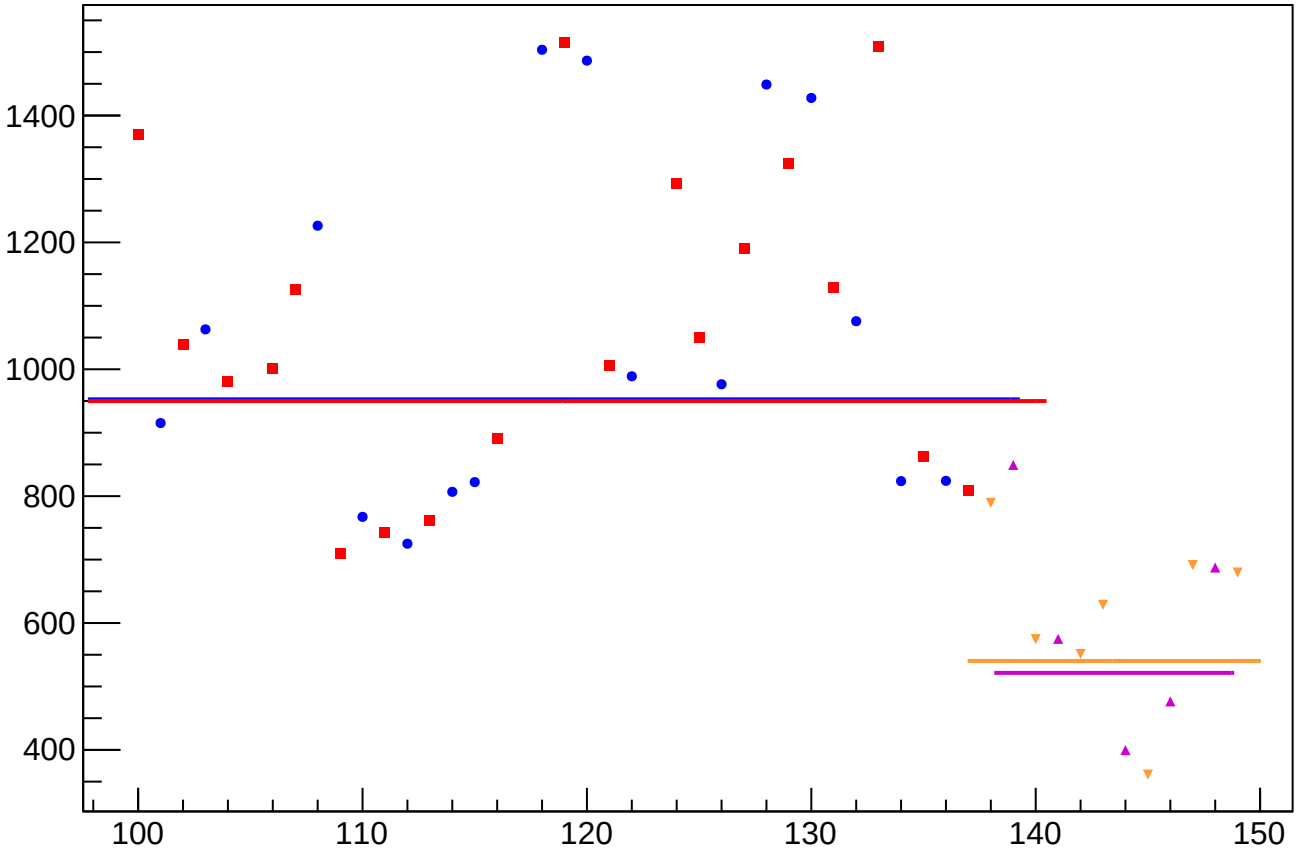
Left In: -98.455+/-261.075 χ^2/NDF:2.7/4

+ sign -541.136+/-202.402 χ^2/NDF: 41.6/22

All: -445.934+/-146.036 χ^2/NDF: 60.9/46

- 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: 540.197+/-0.172 χ^2/NDF:734391.9/6

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

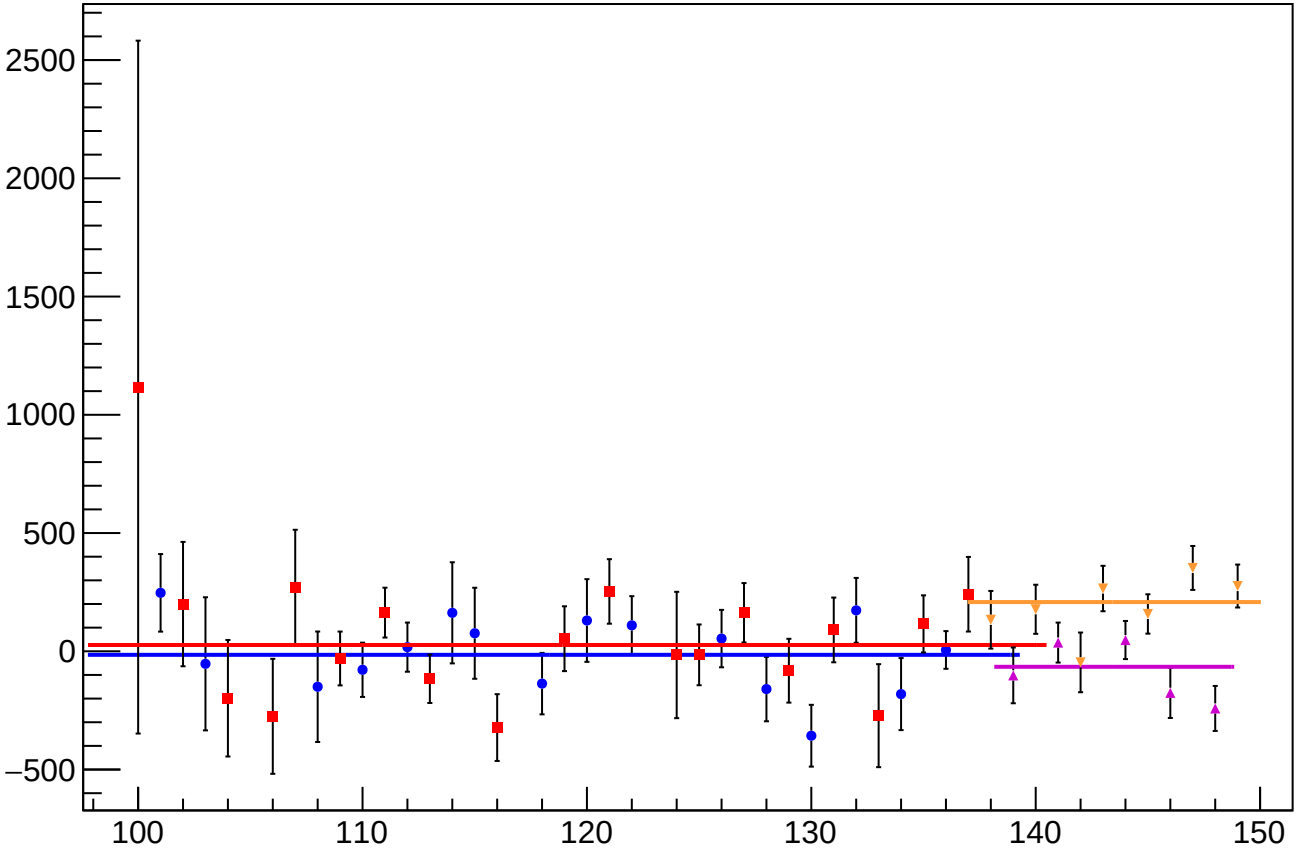
Left In: 521.418+/-0.185 χ^2/NDF:536844.0/4

+ sign 666.576+/-0.143 χ^2/NDF: 3245164.7/22

All: 668.337+/-0.103 χ^2/NDF: 6405186.7/46

- 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: 208.163+/-37.451 χ^2/NDF:8.2/6

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

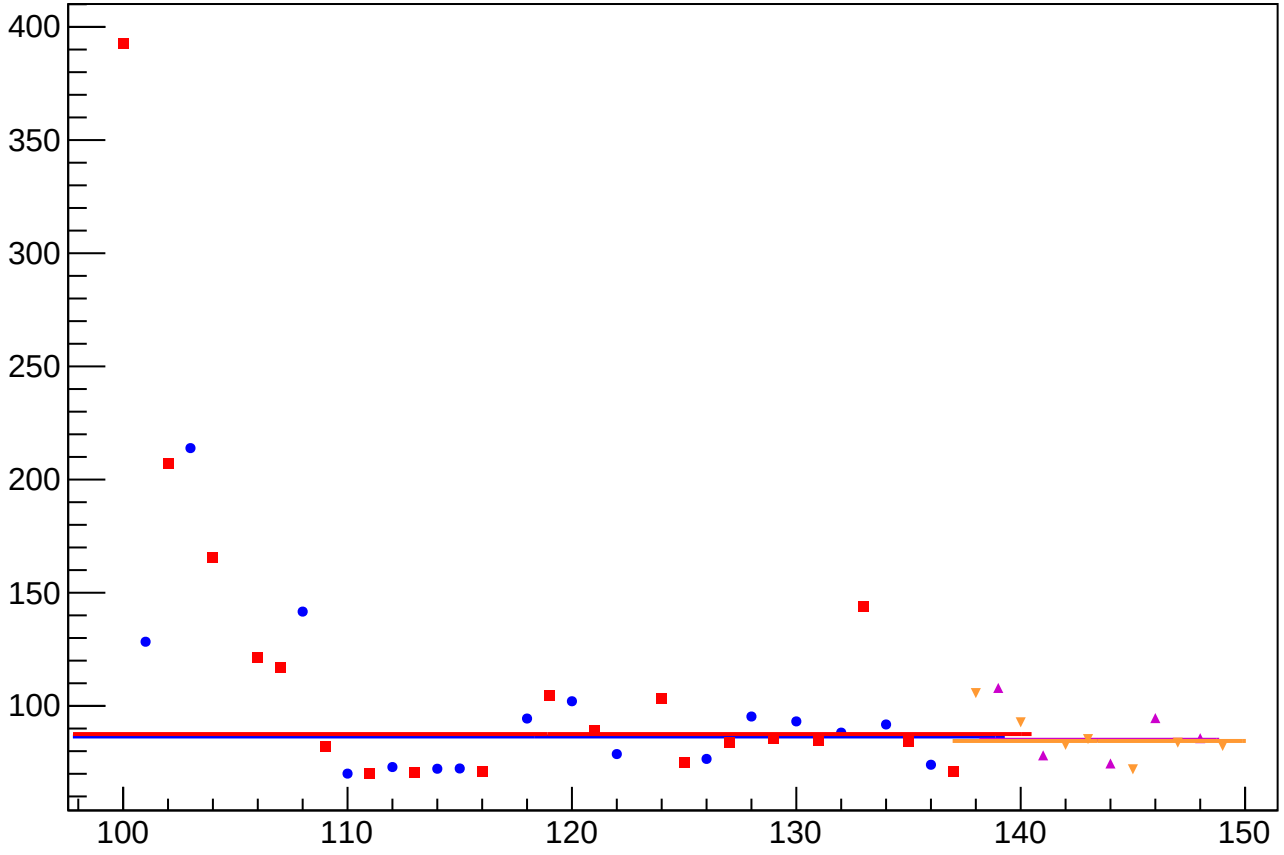
Left In: -65.608+/-42.077 χ^2/NDF:8.0/4

+ sign 85.074+/-25.076 χ^2/NDF: 46.1/22

All: 40.179+/-18.207 χ^2/NDF: 87.4/46

- 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: 84.511+/-0.026 χ^2/NDF:119884.9/6

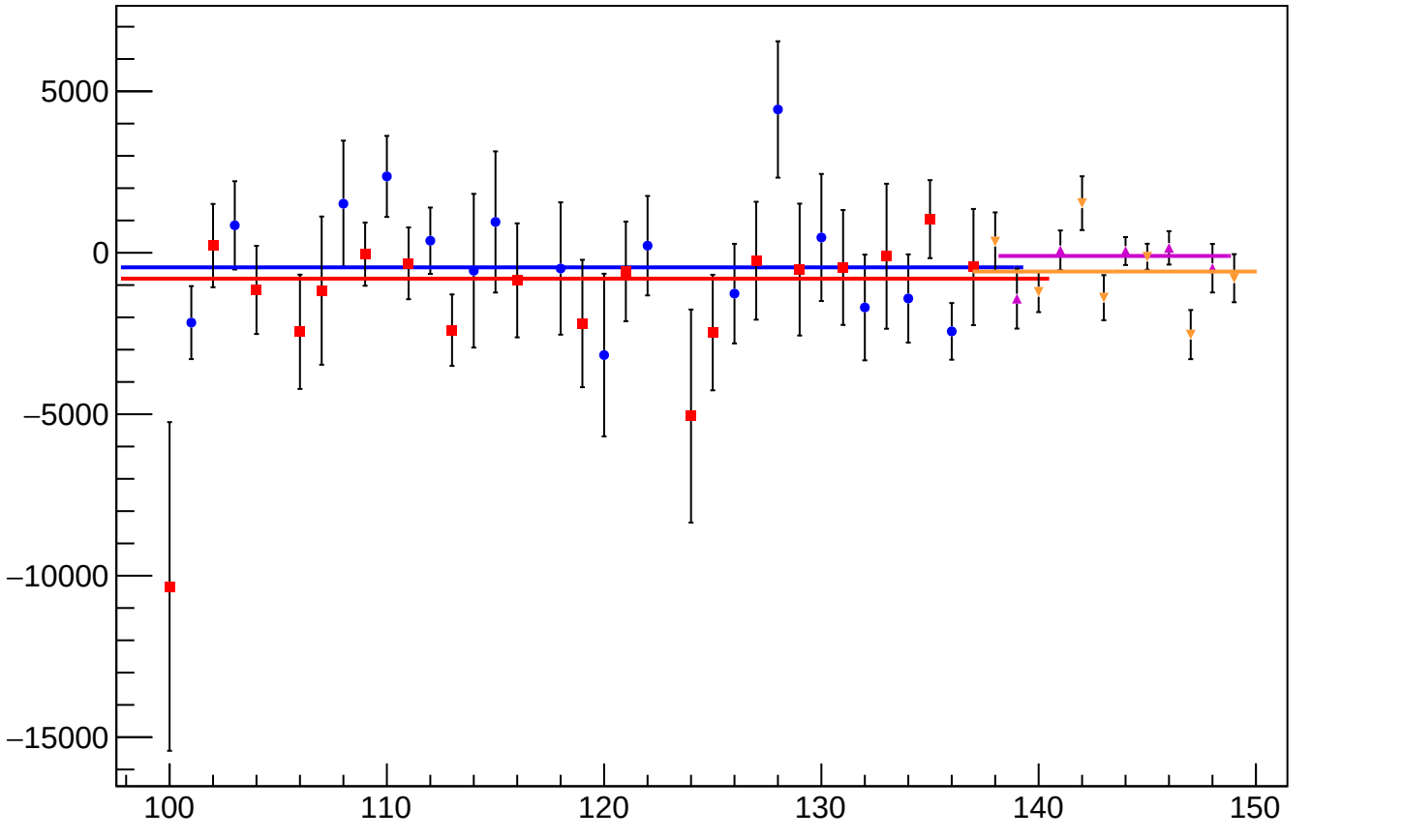
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 85.033+/-0.030 χ^2/NDF:138867.6/4

+ sign 85.602+/-0.018 χ^2/NDF: 979214.3/22

All: 86.053+/-0.013 χ^2/NDF: 2253582.0/46

- 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: -580.803+/-243.044 χ^2/NDF:17.8/6

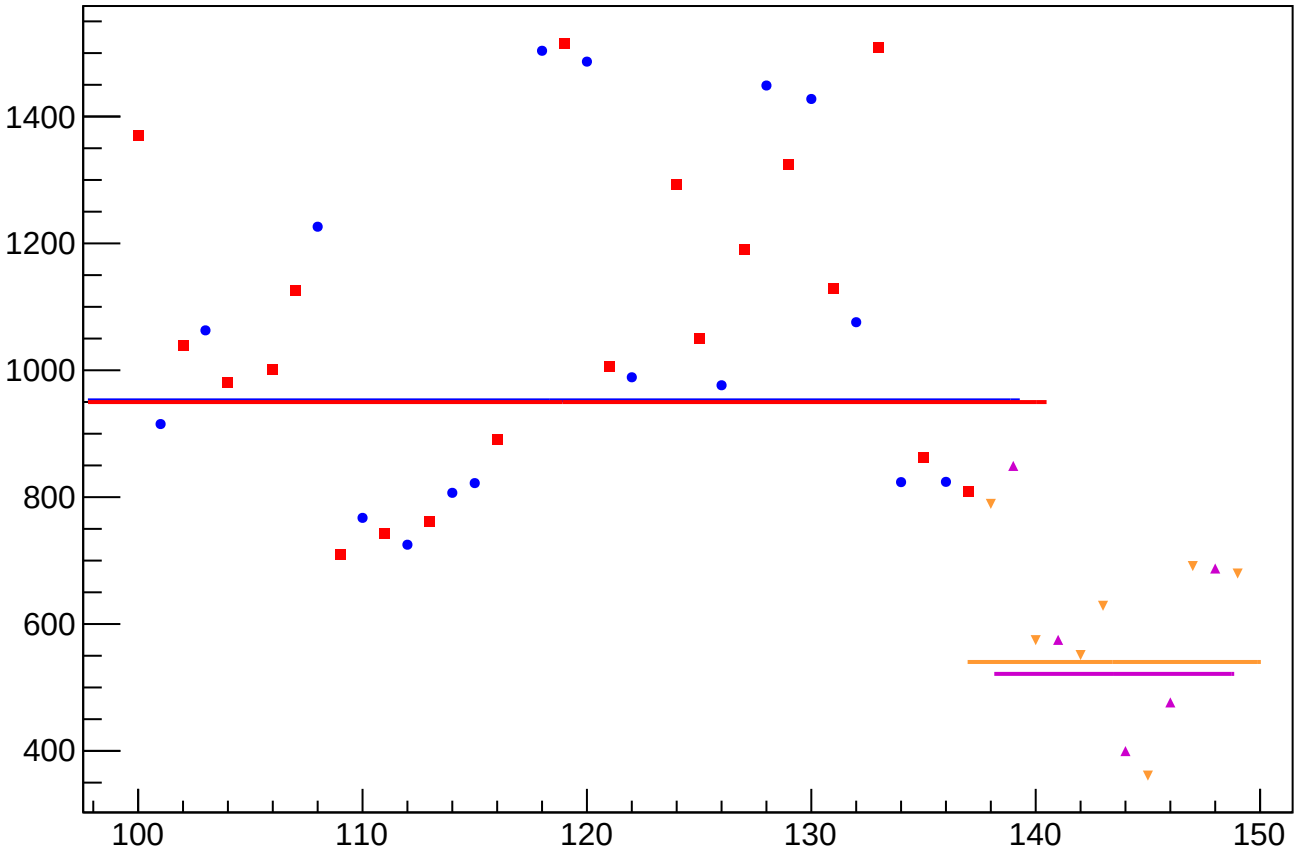
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -98.455+/-261.075 χ^2/NDF:2.7/4

+ sign -541.136+/-202.401 χ^2/NDF: 41.6/22

All: -445.935+/-146.036 χ^2/NDF: 60.9/46

- 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: 540.197+/-0.172 χ^2/NDF:734394.7/6

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

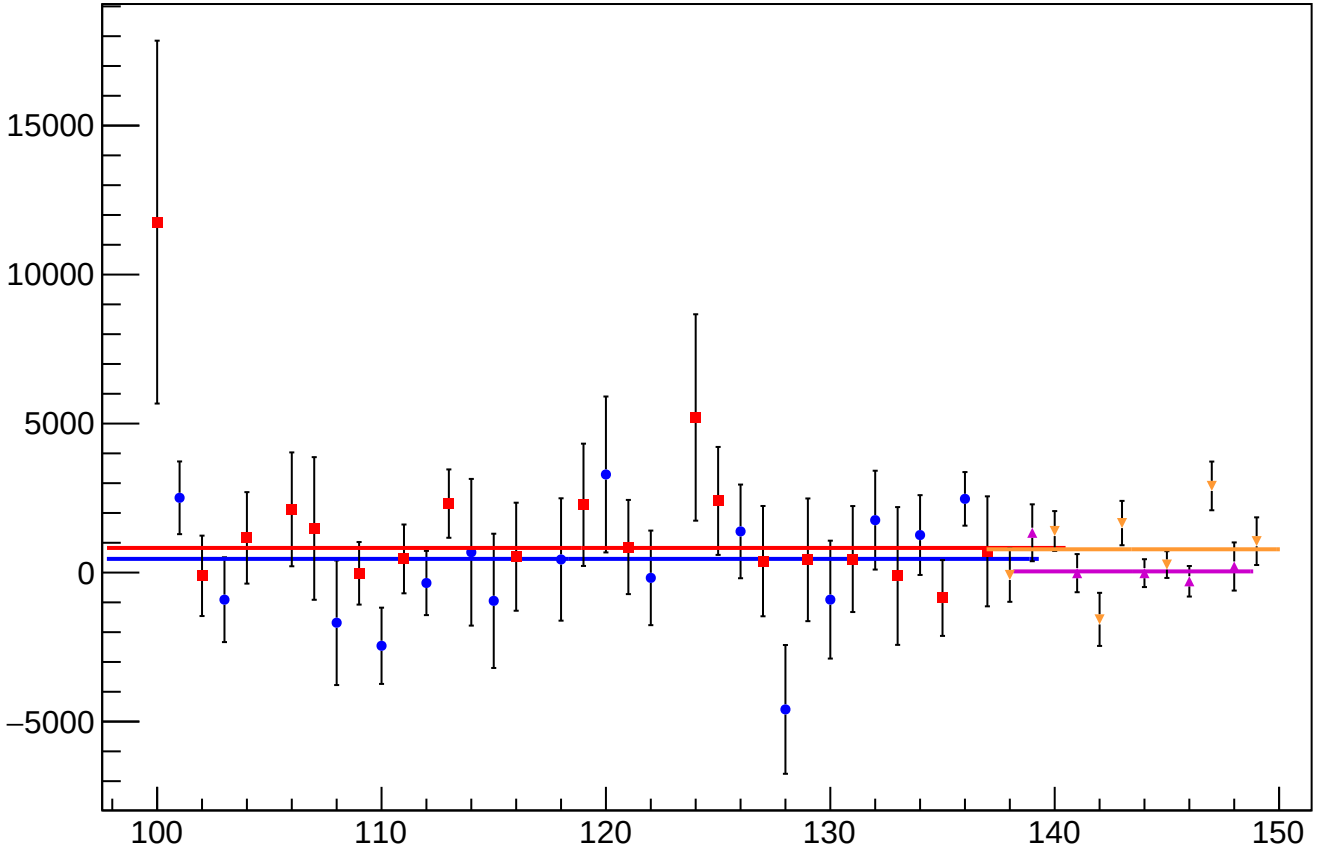
Left In: 521.417+/-0.185 χ^2/NDF:536845.9/4

+ sign 666.575+/-0.143 χ^2/NDF: 3245165.7/22

All: 668.336+/-0.103 χ^2/NDF: 6405182.6/46

- 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: 781.471+/-262.122 χ^2/NDF:18.3/6

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

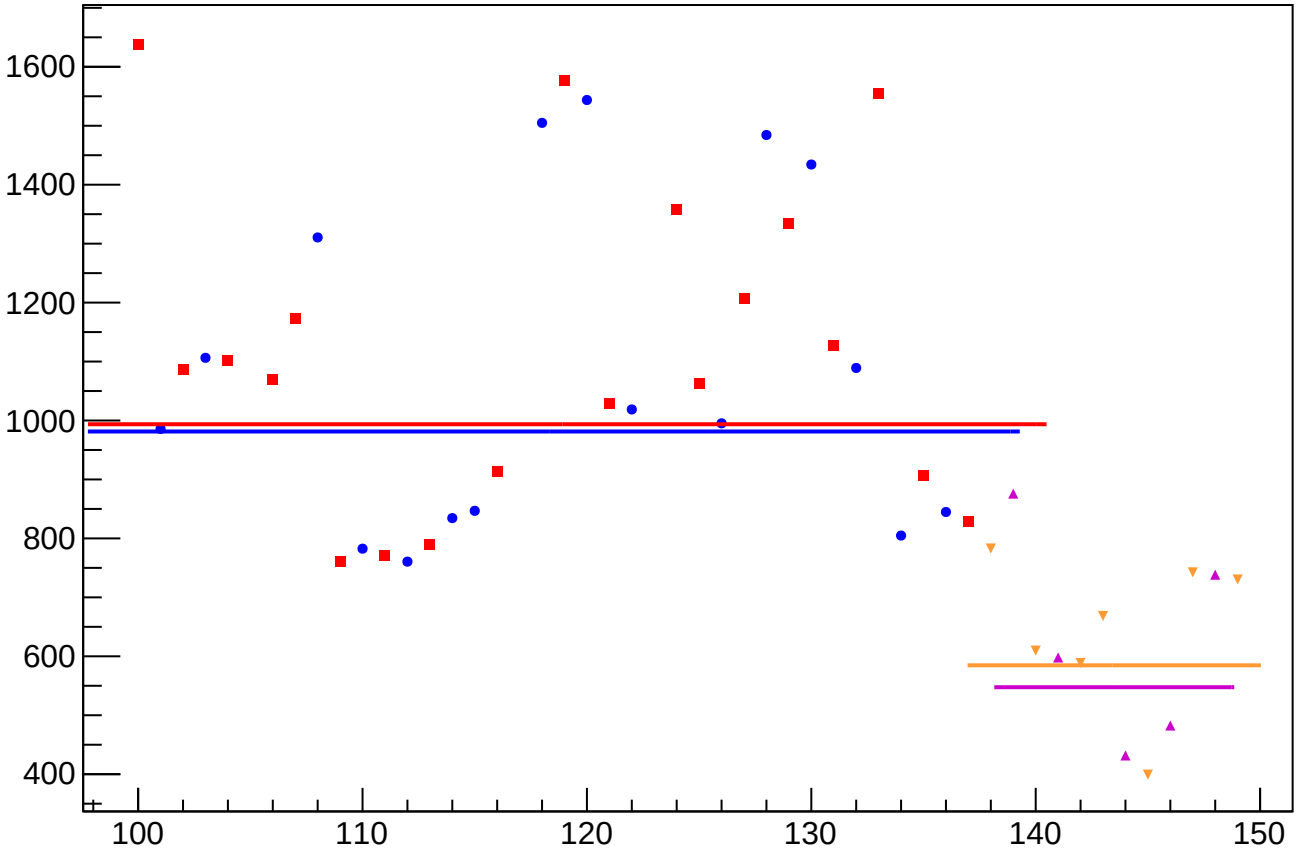
Left In: 39.595+/-272.703 χ^2/NDF:2.3/4

+ sign 676.380+/-215.191 χ^2/NDF: 43.4/22

All: 498.798+/-153.971 χ^2/NDF: 61.6/46

- 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: 584.687+/-0.185 χ^2/NDF:606537.3/6

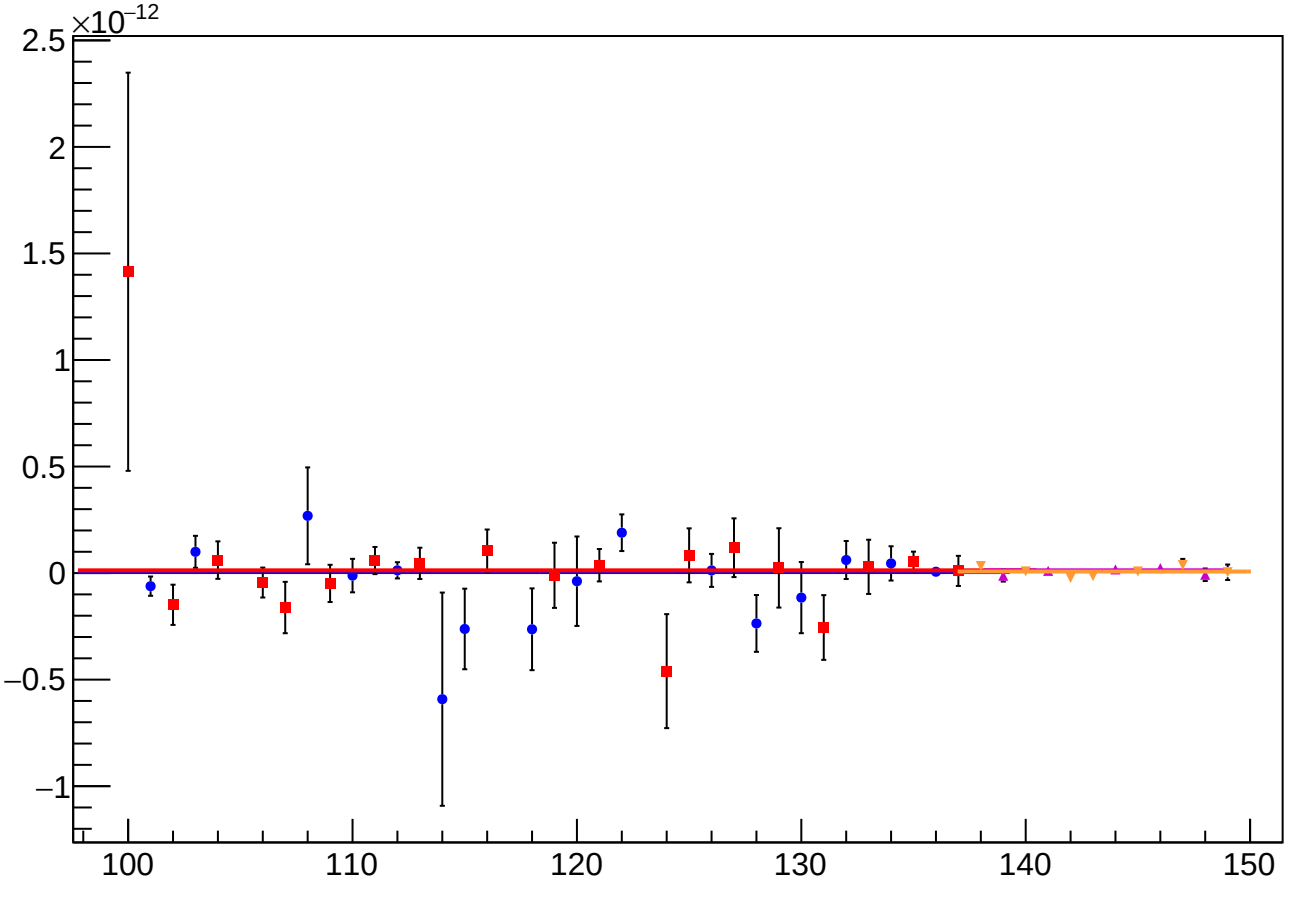
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 547.564+/-0.193 χ^2/NDF:515430.8/4

\+ sign 714.010+/-0.152 χ^2/NDF: 2837377.0/22

All: 708.289+/-0.109 χ^2/NDF: 5931843.9/46

\- sign 702.287+/-0.156 χ^2/NDF: 3091570.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/6

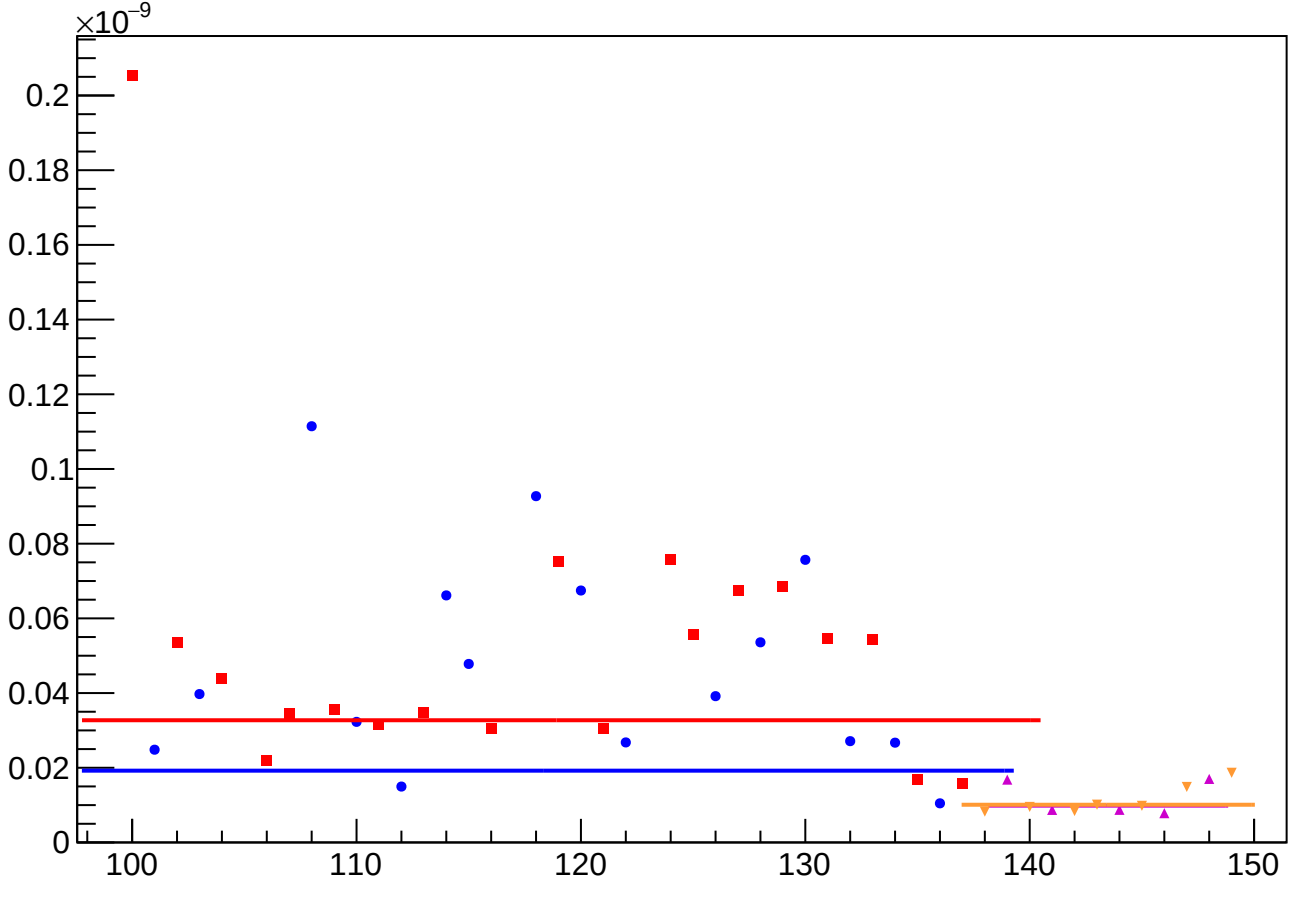
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 25.8/22

All: 0.000+/-0.000 χ^2/NDF: 46.5/46

- sign 0.000+/-0.000 χ^2/NDF: 20.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:199687.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

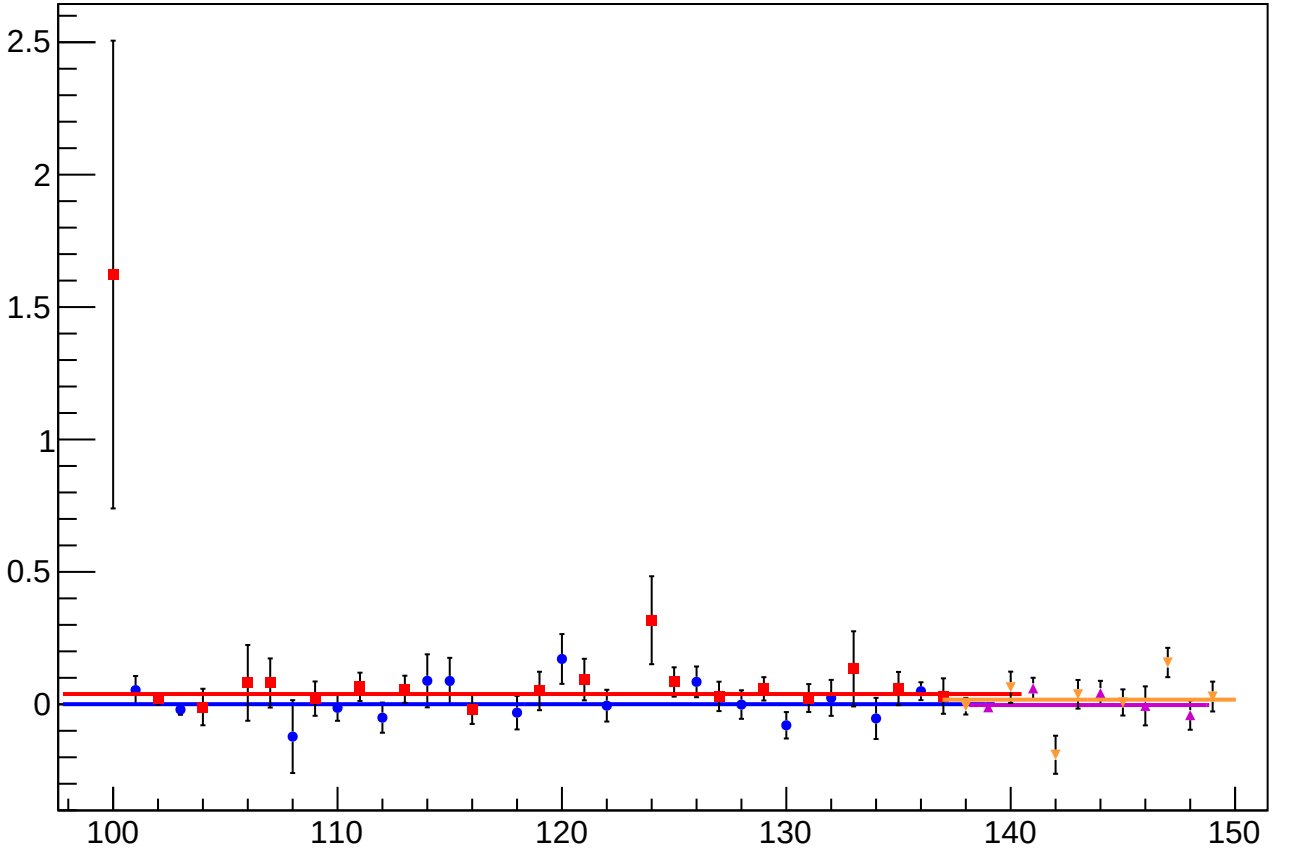
Left In: 0.000+/-0.000 χ^2/NDF:300048.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 2795892.9/22

All: 0.000+/-0.000 χ^2/NDF: 6388848.3/46

- sign 0.000+/-0.000 χ^2/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: 0.018+/-0.019 χ^2/NDF:16.2/6

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

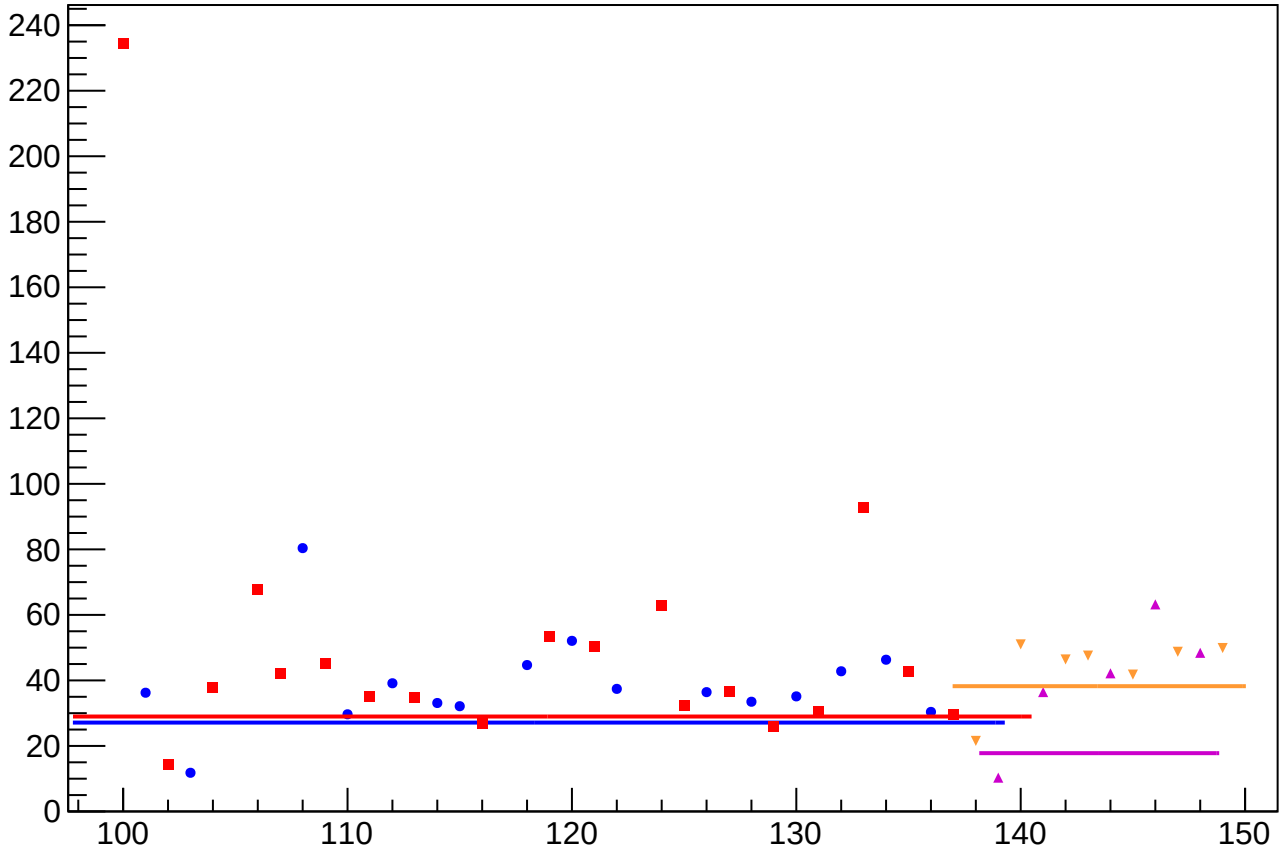
Left In: -0.003+/-0.012 χ^2/NDF:4.3/4

+ sign 0.006+/-0.010 χ^2/NDF: 33.3/22

All: 0.012+/-0.007 χ^2/NDF: 55.1/46

- 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: 38.239+/-0.013 χ^2/NDF:912369.3/6

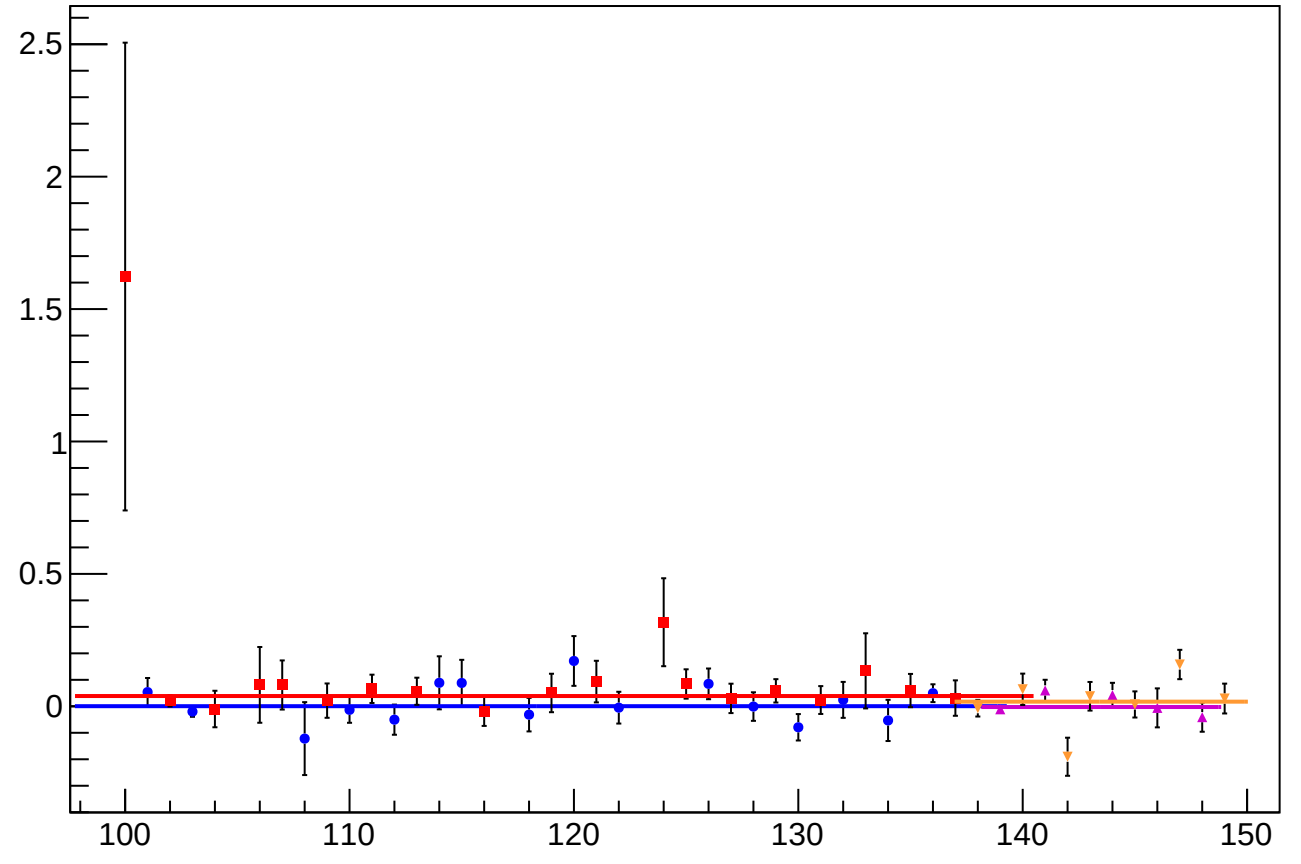
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 17.793+/-0.008 χ^2/NDF:2983151.3/4

+ sign 30.404+/-0.007 χ^2/NDF: 3830439.3/22

All: 26.135+/-0.005 χ^2/NDF: 10722755.2/46

- sign 23.017+/-0.006 χ^2/NDF: 6274699.9/23



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.018+/-0.019 χ^2/NDF:16.2/6

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

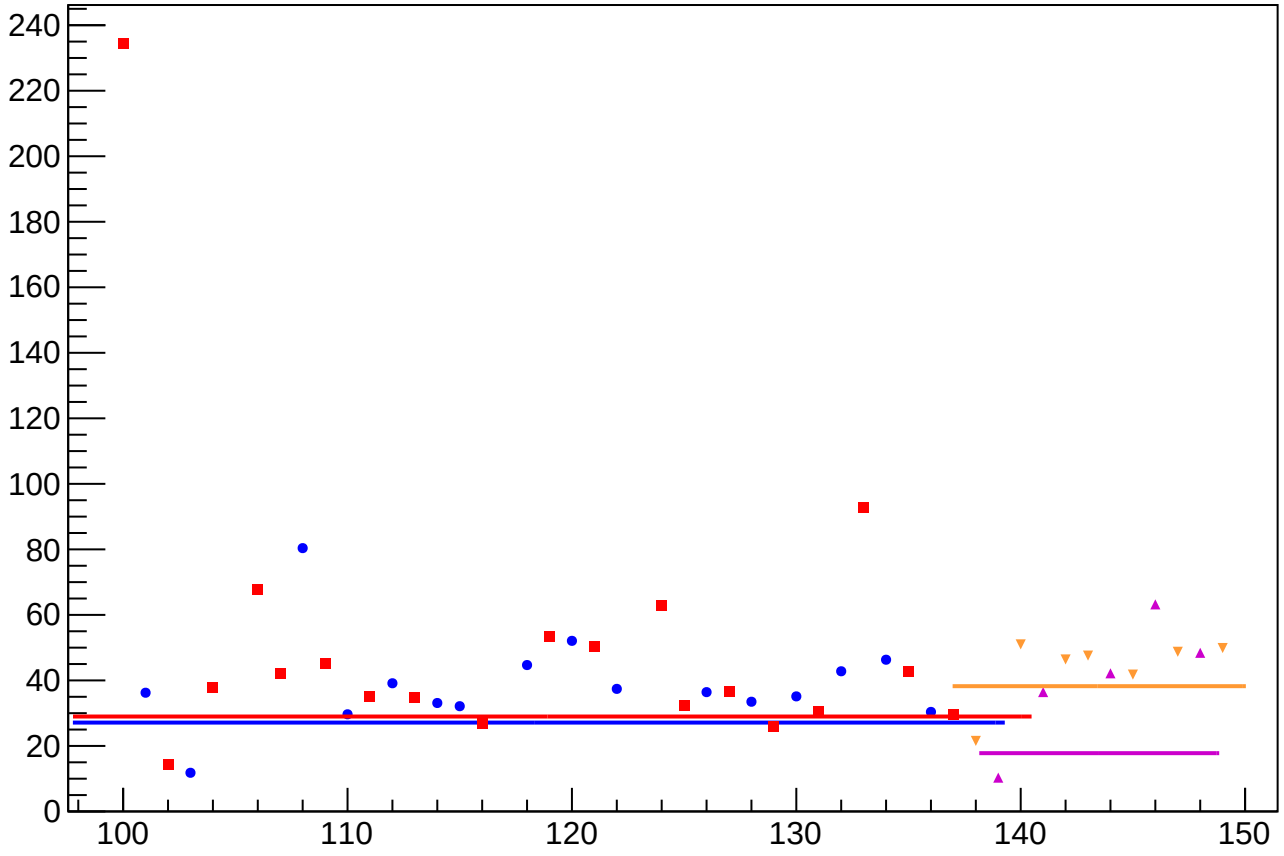
Left In: -0.003+/-0.012 χ^2/NDF:4.3/4

+ sign 0.006+/-0.010 χ^2/NDF: 33.3/22

All: 0.012+/-0.007 χ^2/NDF: 55.1/46

- 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: 38.239+/-0.013 χ^2/NDF:912369.3/6

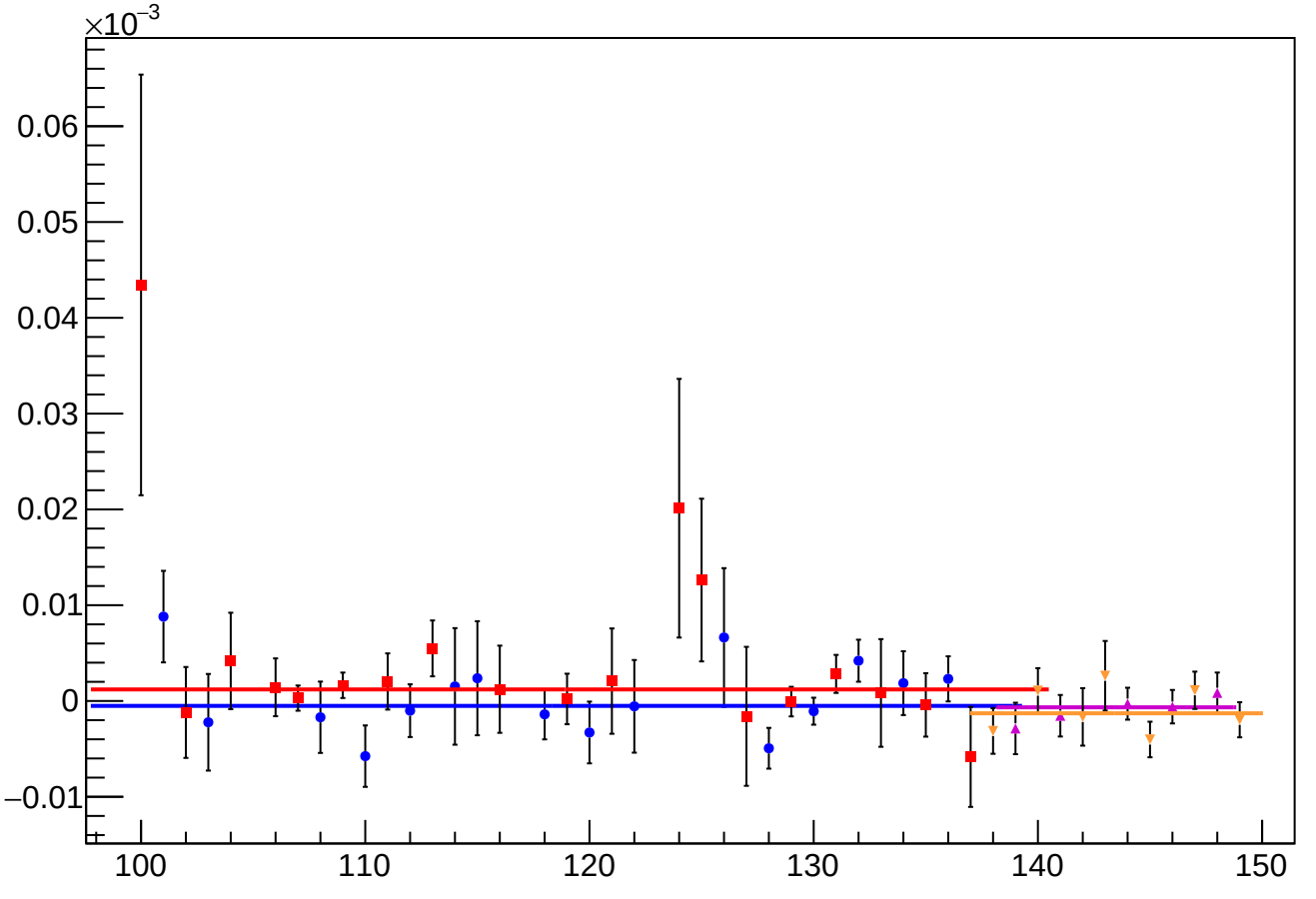
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 17.793+/-0.008 χ^2/NDF:2983151.3/4

+ sign 30.404+/-0.007 χ^2/NDF: 3830439.3/22

All: 26.135+/-0.005 χ^2/NDF: 10722755.2/46

- 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:6.6/6

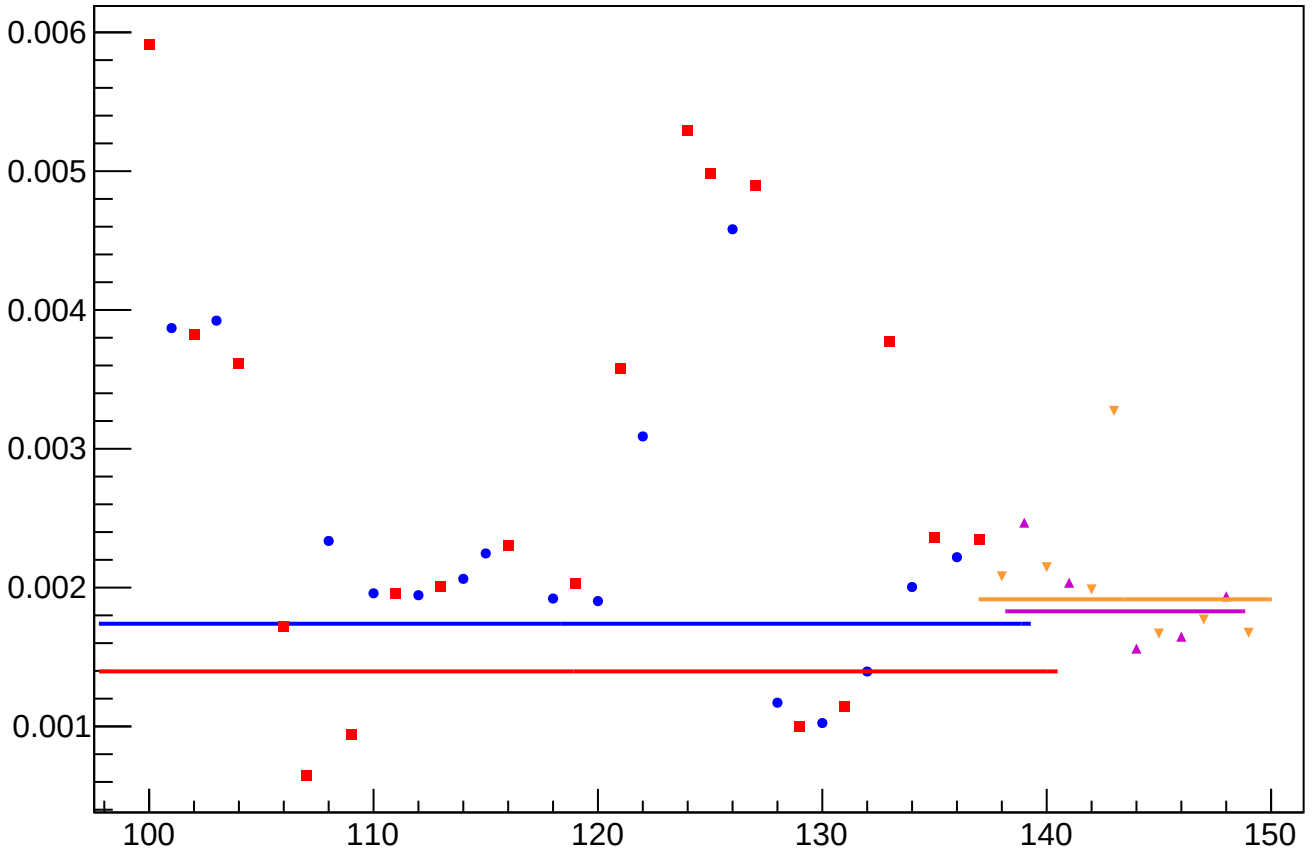
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/22

All: -0.000+/-0.000 χ^2/NDF: 49.8/46

- 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:390596.0/6

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

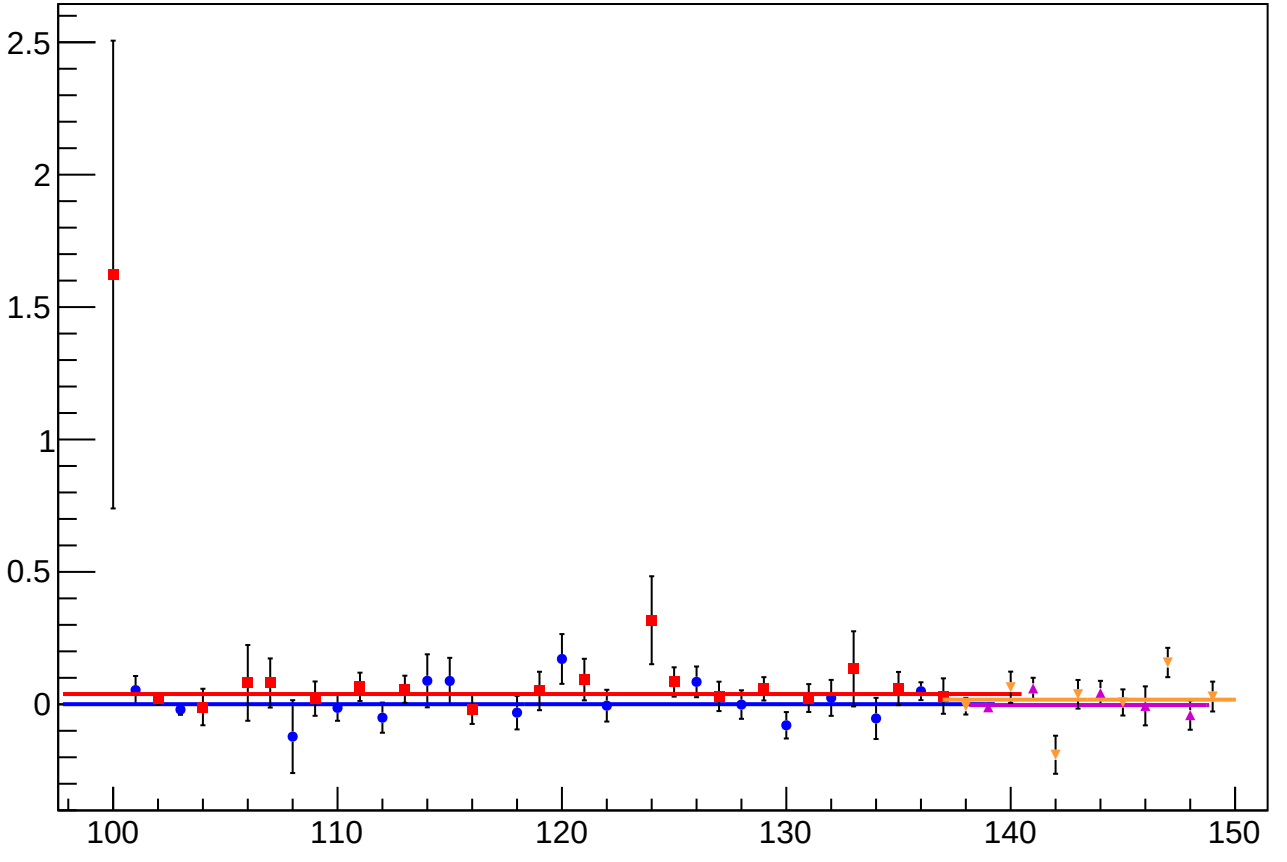
Left In: 0.002+/-0.000 χ^2/NDF:210314.1/4

+ sign 0.002+/-0.000 χ^2/NDF: 2587776.7/22

All: 0.002+/-0.000 χ^2/NDF: 7721919.4/46

- 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: 0.018+/-0.019 χ^2/NDF:16.3/6

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

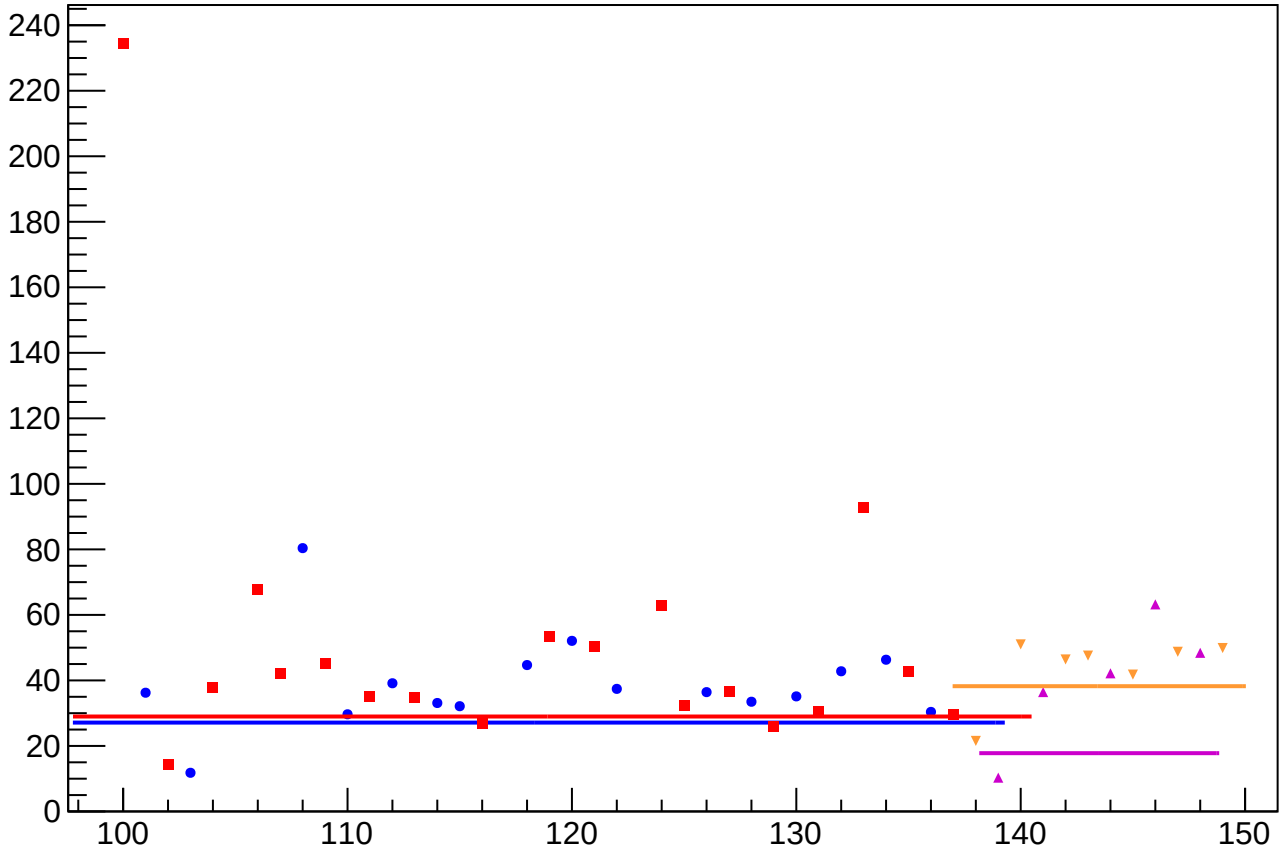
Left In: -0.003+/-0.012 χ^2/NDF:4.3/4

+ sign 0.006+/-0.010 χ^2/NDF: 33.3/22

All: 0.012+/-0.007 χ^2/NDF: 55.1/46

- 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: 38.237+/-0.013 χ^2/NDF:912756.3/6

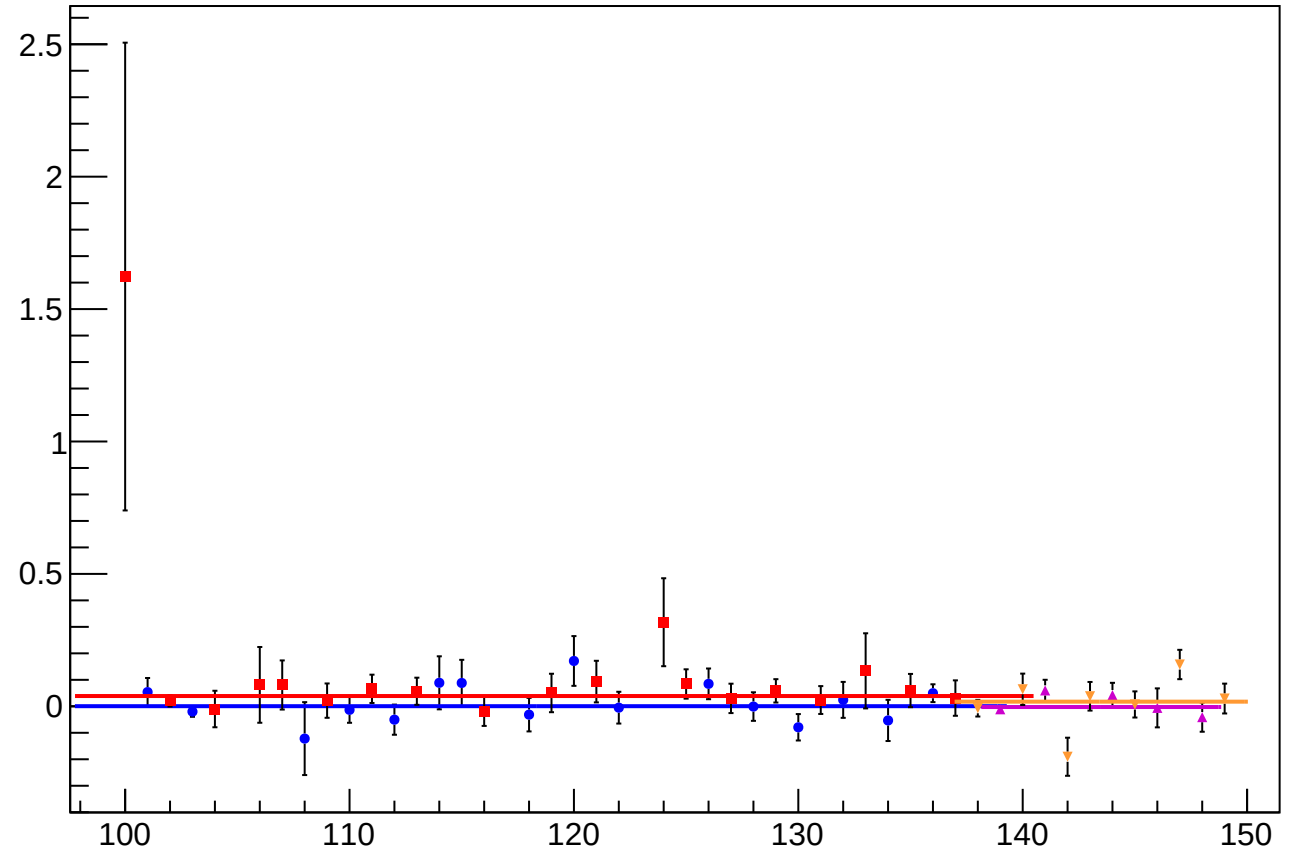
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 17.791+/-0.008 χ^2/NDF:2983495.9/4

+ sign 30.403+/-0.007 χ^2/NDF: 3831049.8/22

All: 26.134+/-0.005 χ^2/NDF: 10723762.3/46

- 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: 0.018+/-0.019 χ^2/NDF:16.3/6

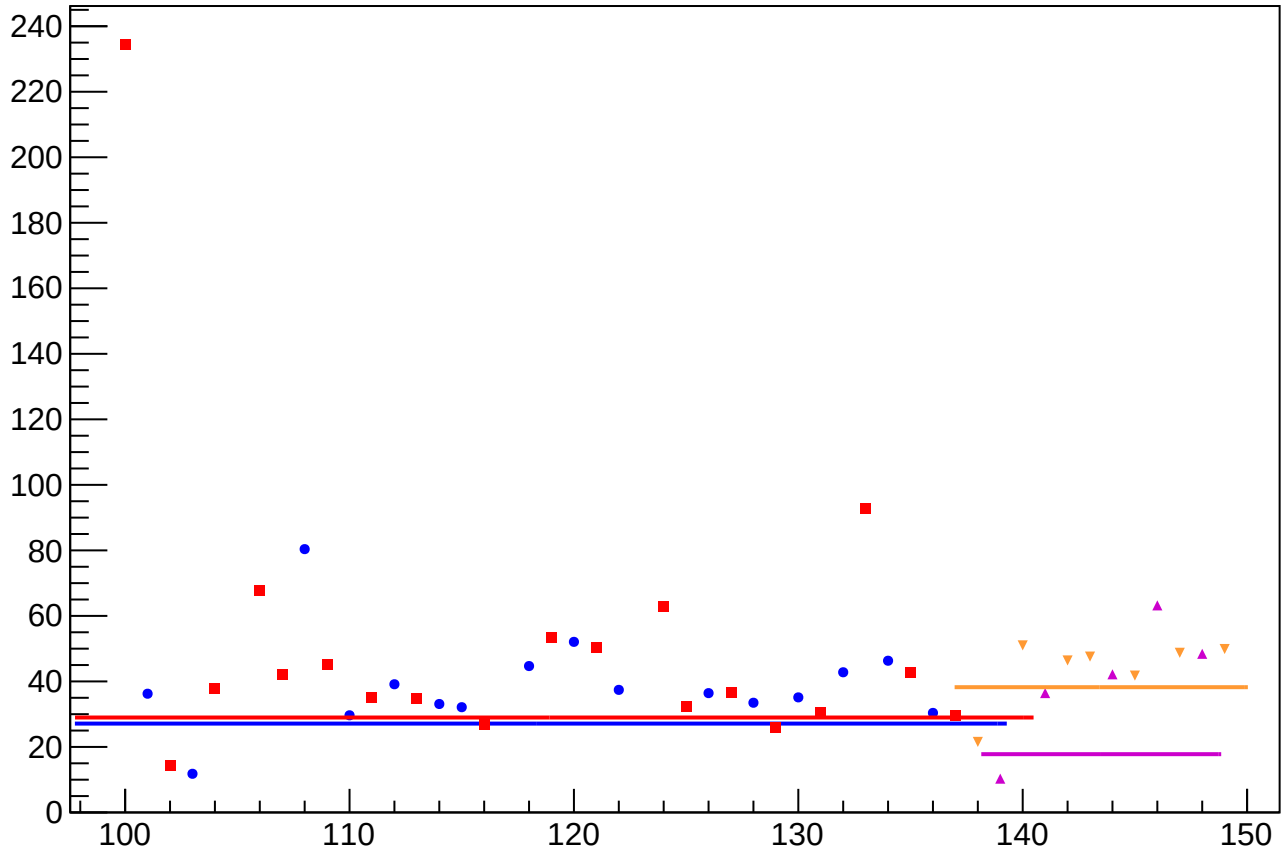
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.003+/-0.012 χ^2/NDF:4.3/4

+ sign 0.006+/-0.010 χ^2/NDF: 33.3/22

All: 0.012+/-0.007 χ^2/NDF: 55.1/46

- 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: 38.237+/-0.013 χ^2/NDF:912756.3/6

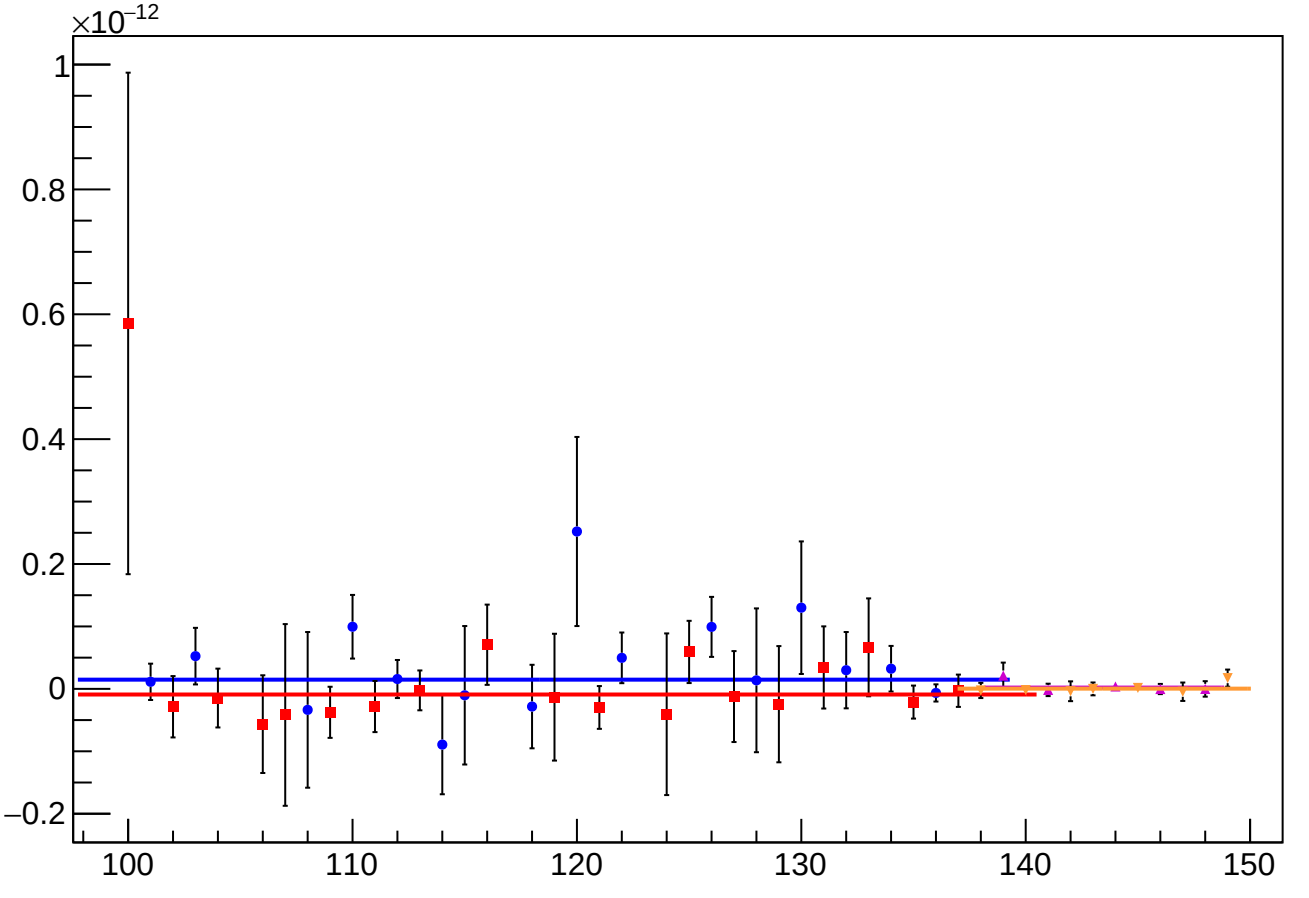
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 17.791+/-0.008 χ^2/NDF:2983495.9/4

+ sign 30.403+/-0.007 χ^2/NDF: 3831049.8/22

All: 26.134+/-0.005 χ^2/NDF: 10723762.3/46

- 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:1.9/6

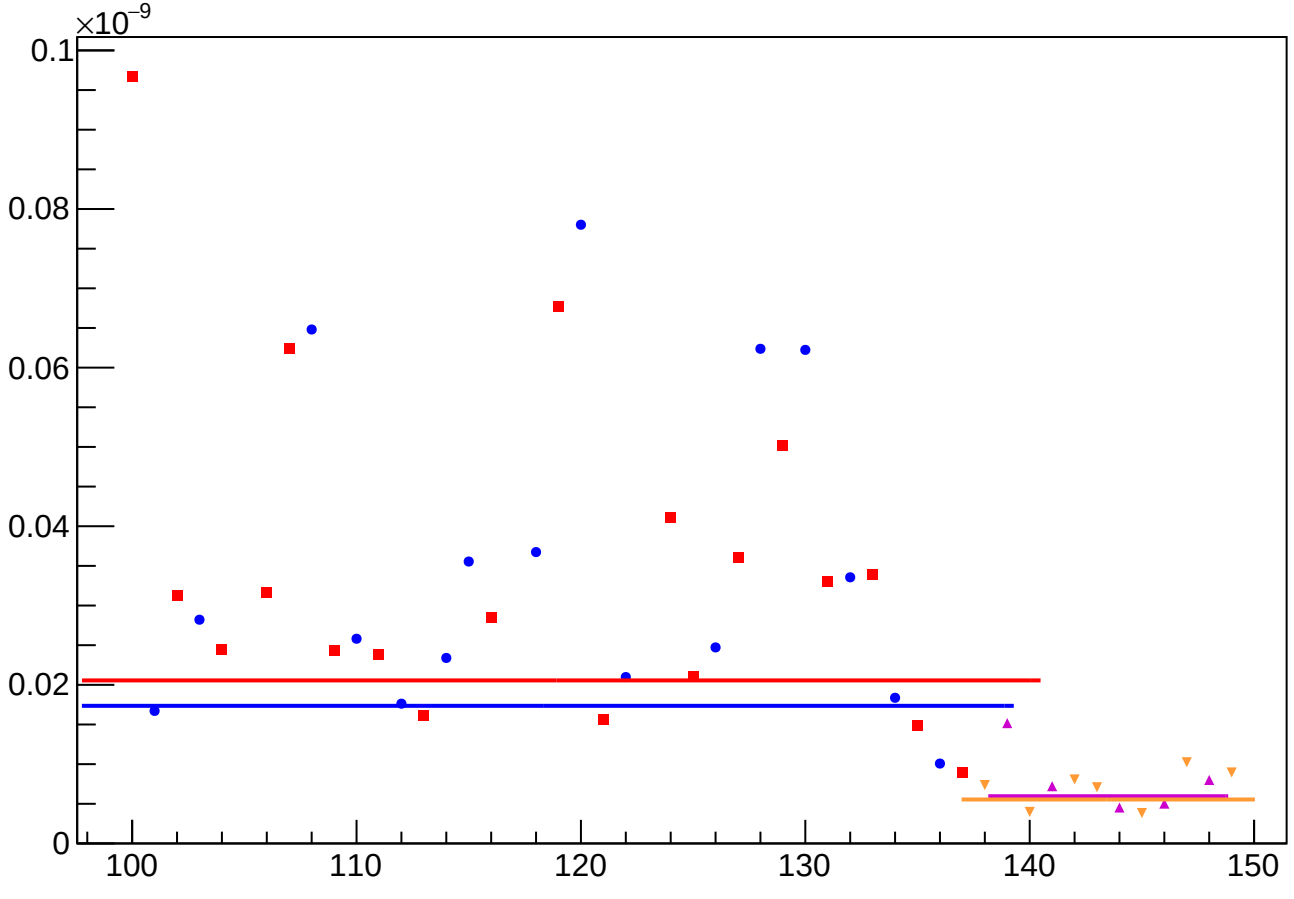
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 19.9/22

All: 0.000+/-0.000 χ^2/NDF: 31.1/46

- 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:718477.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

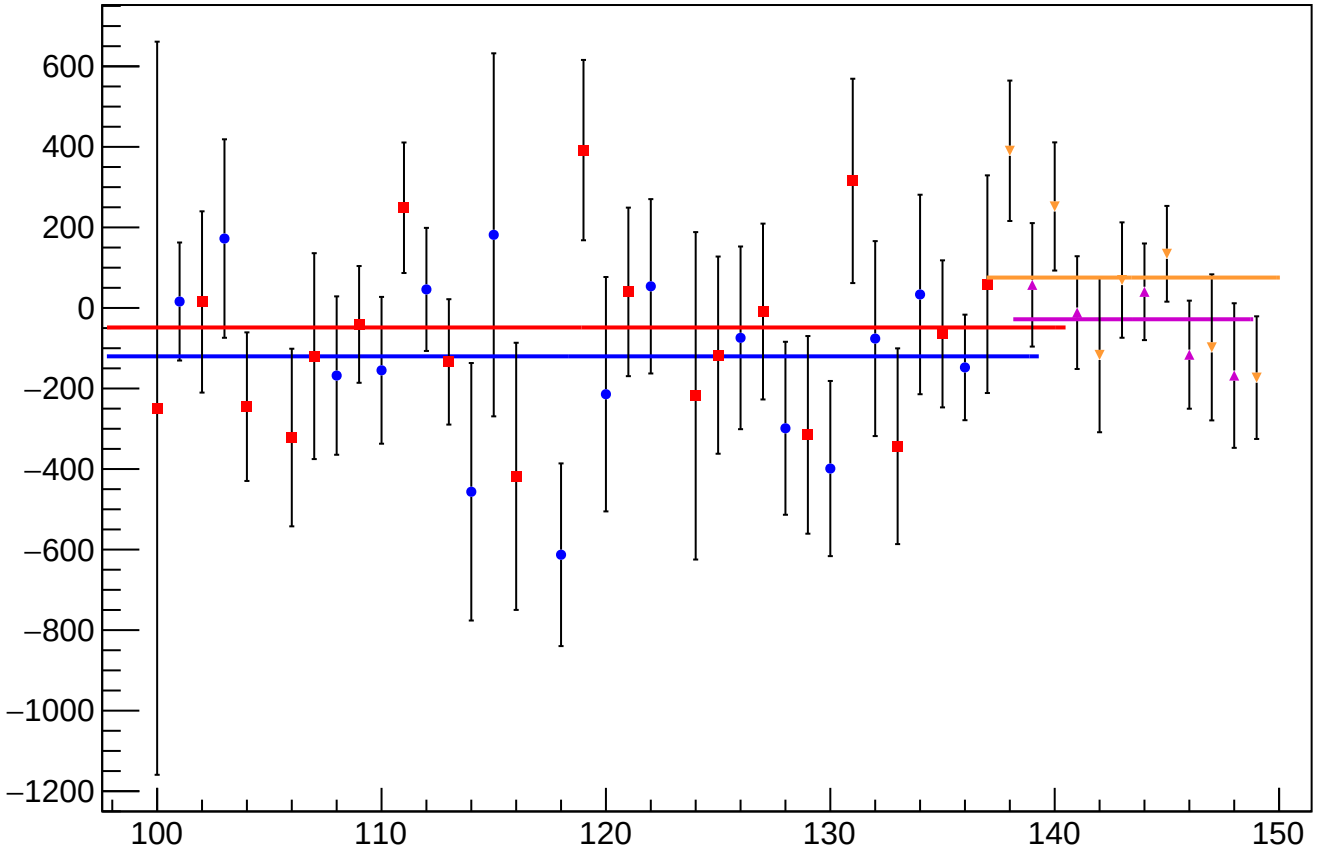
Left In: 0.000+/-0.000 χ^2/NDF:600900.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 5887712.2/22

All: 0.000+/-0.000 χ^2/NDF: 11630909.1/46

- 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: 75.490+/-58.472 χ^2/NDF:9.3/6

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

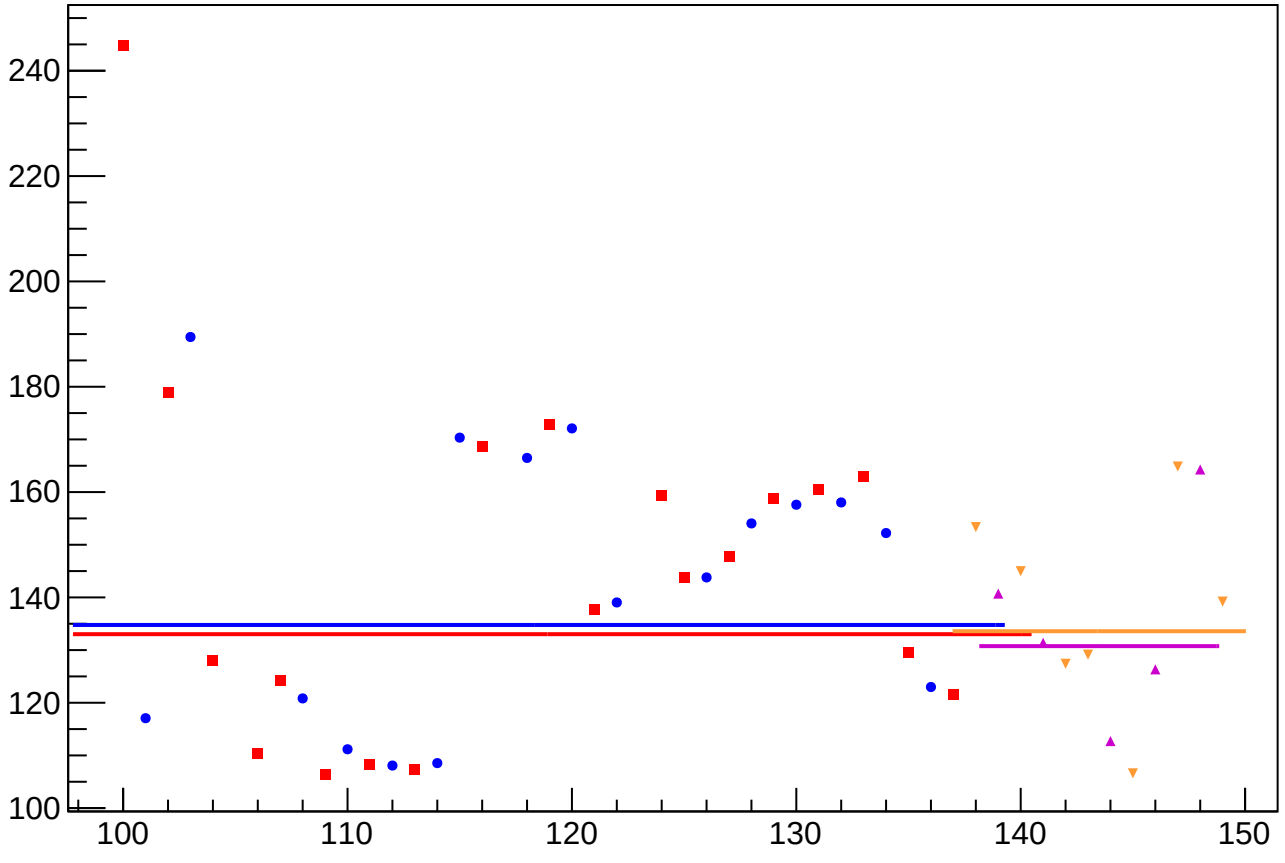
Left In: -28.091+/-63.298 χ^2/NDF:1.7/4

\+ sign -35.433+/-38.479 χ^2/NDF: 29.1/22

All: -37.991+/-27.457 χ^2/NDF: 47.8/46

\- 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: 133.583+/-0.041 χ^2/NDF:205185.5/6

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

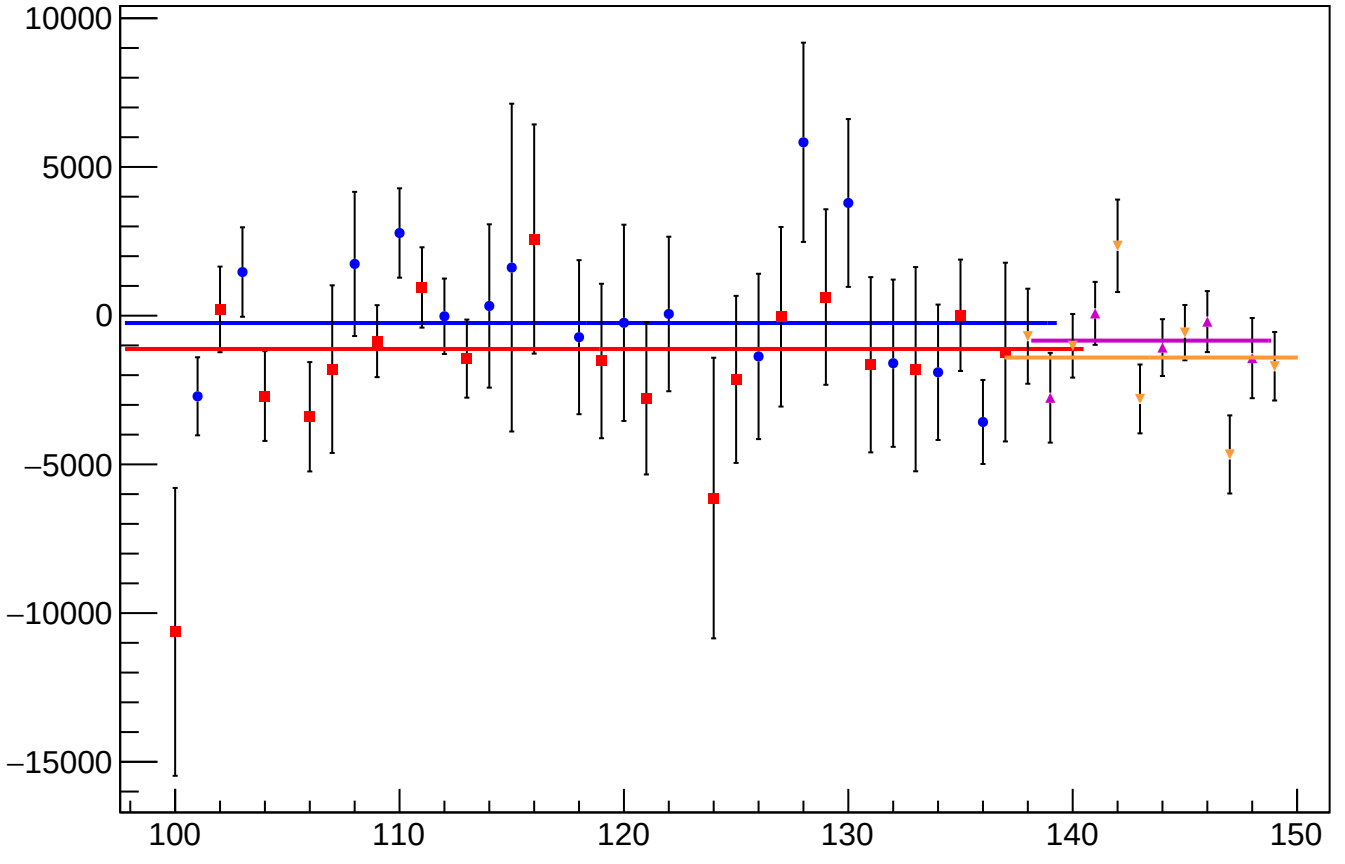
Left In: 130.751+/-0.045 χ^2/NDF:125602.3/4

\+ sign 134.256+/-0.027 χ^2/NDF: 622432.7/22

All: 133.222+/-0.019 χ^2/NDF: 1248278.2/46

\- 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: -1407.776+/-450.951 χ^2/NDF:14.7/6

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

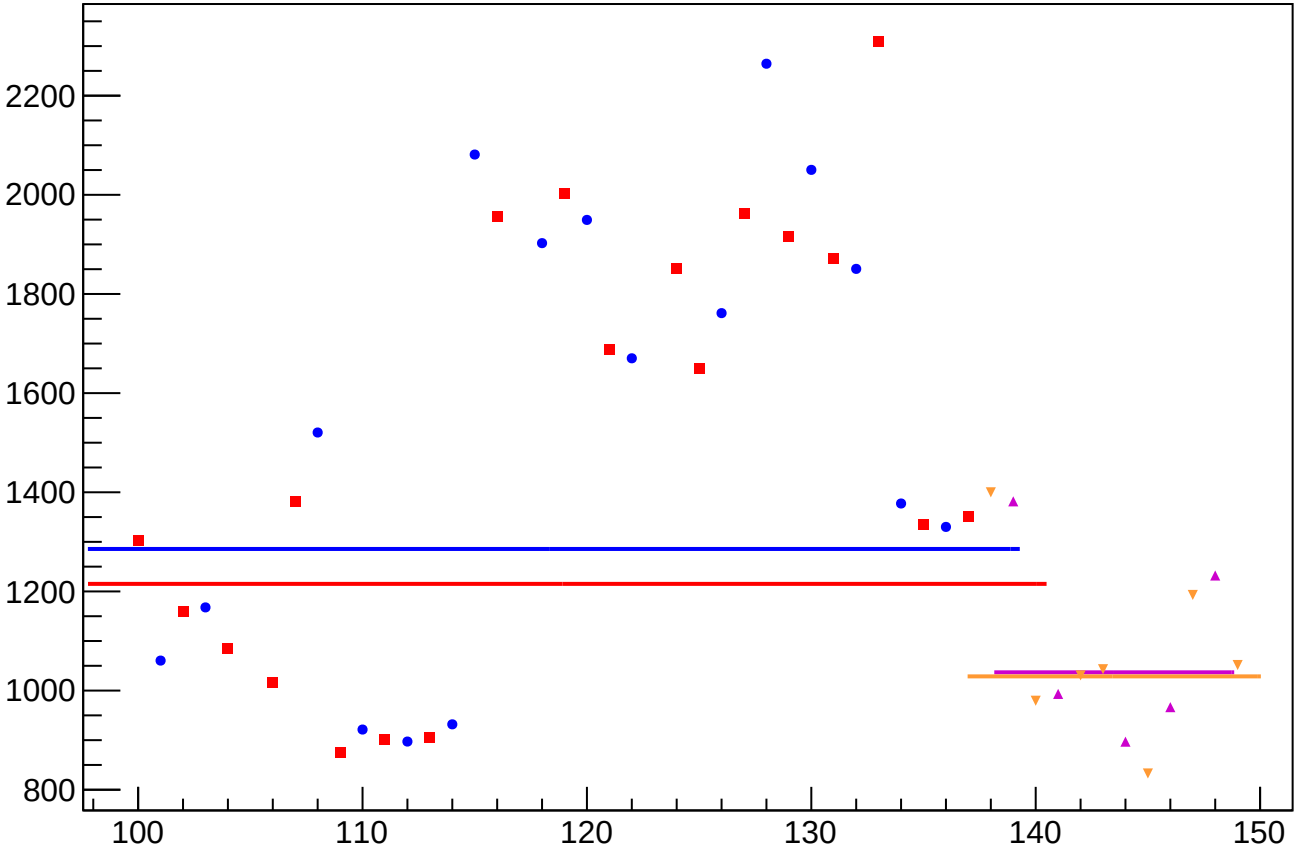
Left In: -838.589+/-504.529 χ^2/NDF:3.0/4

+ sign -888.433+/-335.296 χ^2/NDF: 39.2/22

All: -937.739+/-239.860 χ^2/NDF: 55.8/46

- 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: 1028.646+/-0.319 χ^2/NDF:233396.4/6

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

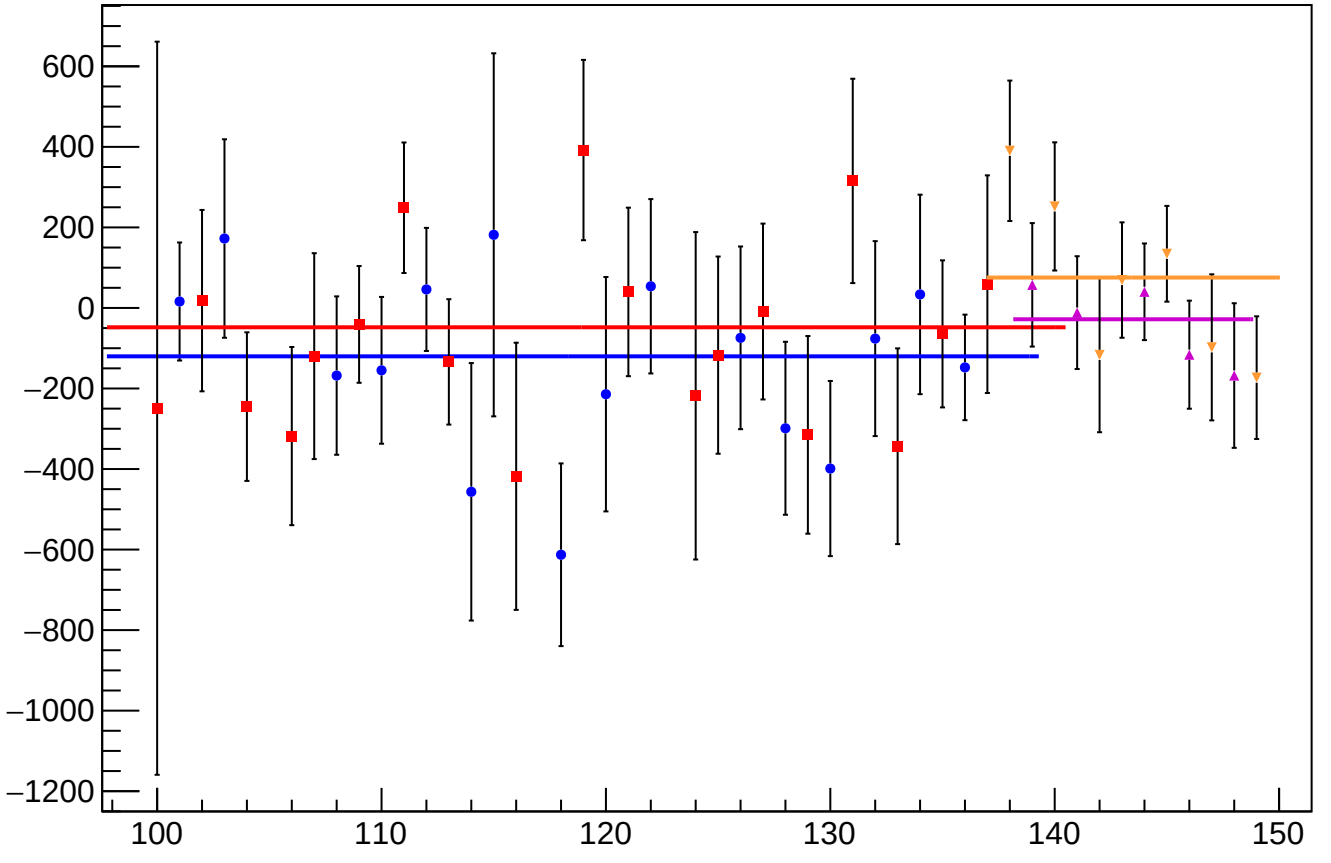
Left In: 1036.829+/-0.357 χ^2/NDF:202129.0/4

+ sign 1143.576+/-0.237 χ^2/NDF: 1694355.0/22

All: 1138.241+/-0.170 χ^2/NDF: 3418127.9/46

- 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: 75.507+/-58.472 χ^2/NDF:9.3/6

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

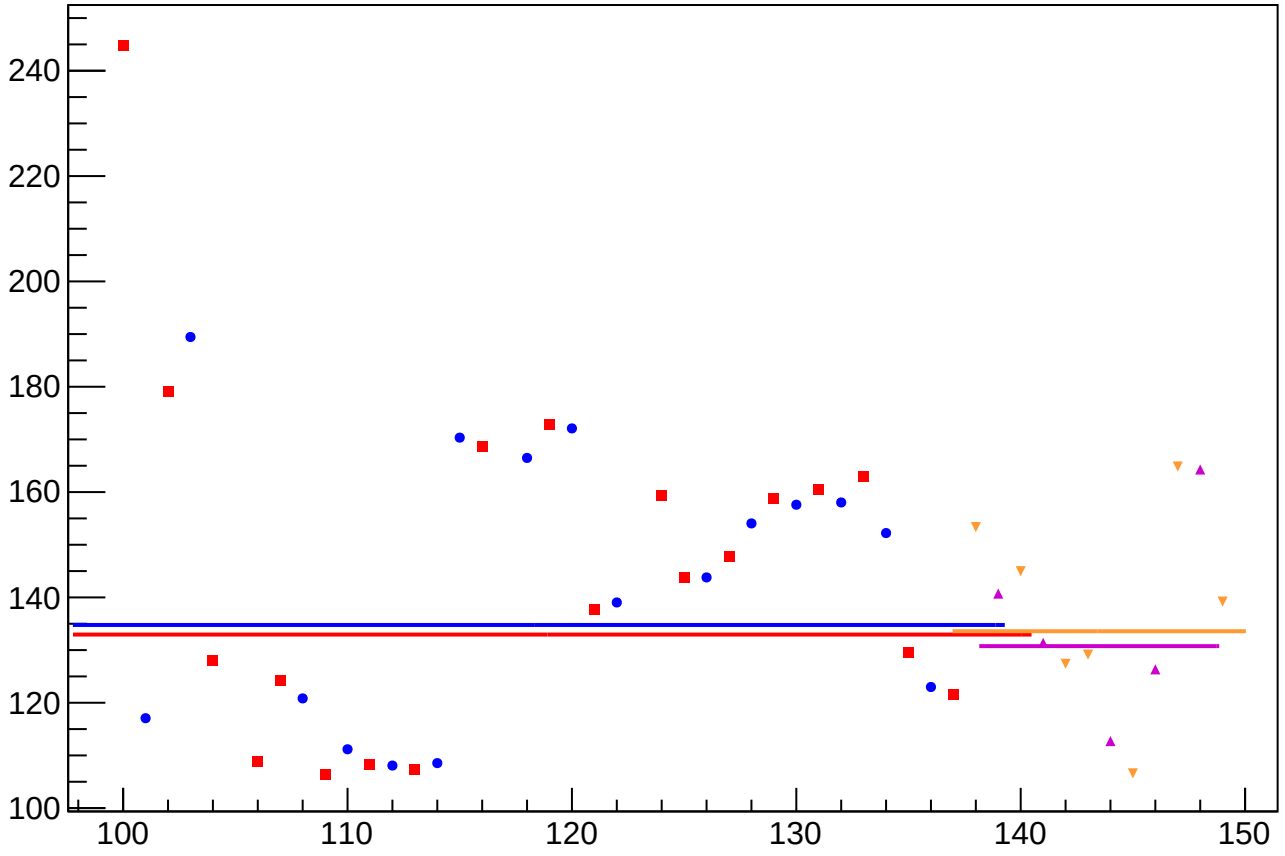
Left In: -28.104+/-63.298 χ^2/NDF:1.7/4

+ sign -35.431+/-38.479 χ^2/NDF: 29.1/22

All: -37.859+/-27.459 χ^2/NDF: 47.8/46

- 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: 133.583+/-0.041 χ^2/NDF:205185.5/6

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

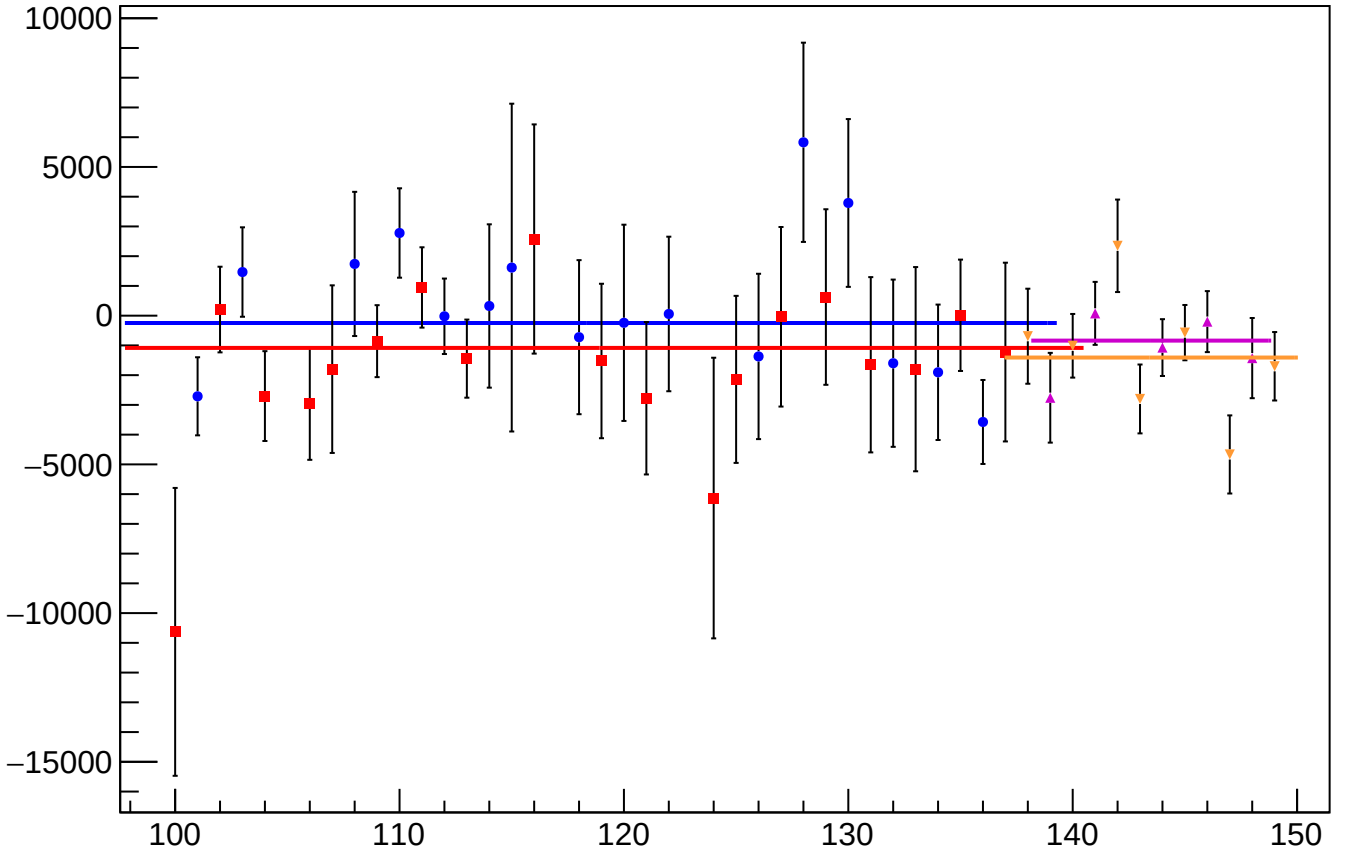
Left In: 130.751+/-0.045 χ^2/NDF:125602.3/4

\+ sign 134.256+/-0.027 χ^2/NDF: 622435.8/22

All: 133.201+/-0.019 χ^2/NDF: 1251441.4/46

\- sign 132.105+/-0.028 χ^2/NDF: 625936.9/23

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1407.762+/-450.951 χ^2/NDF:14.7/6

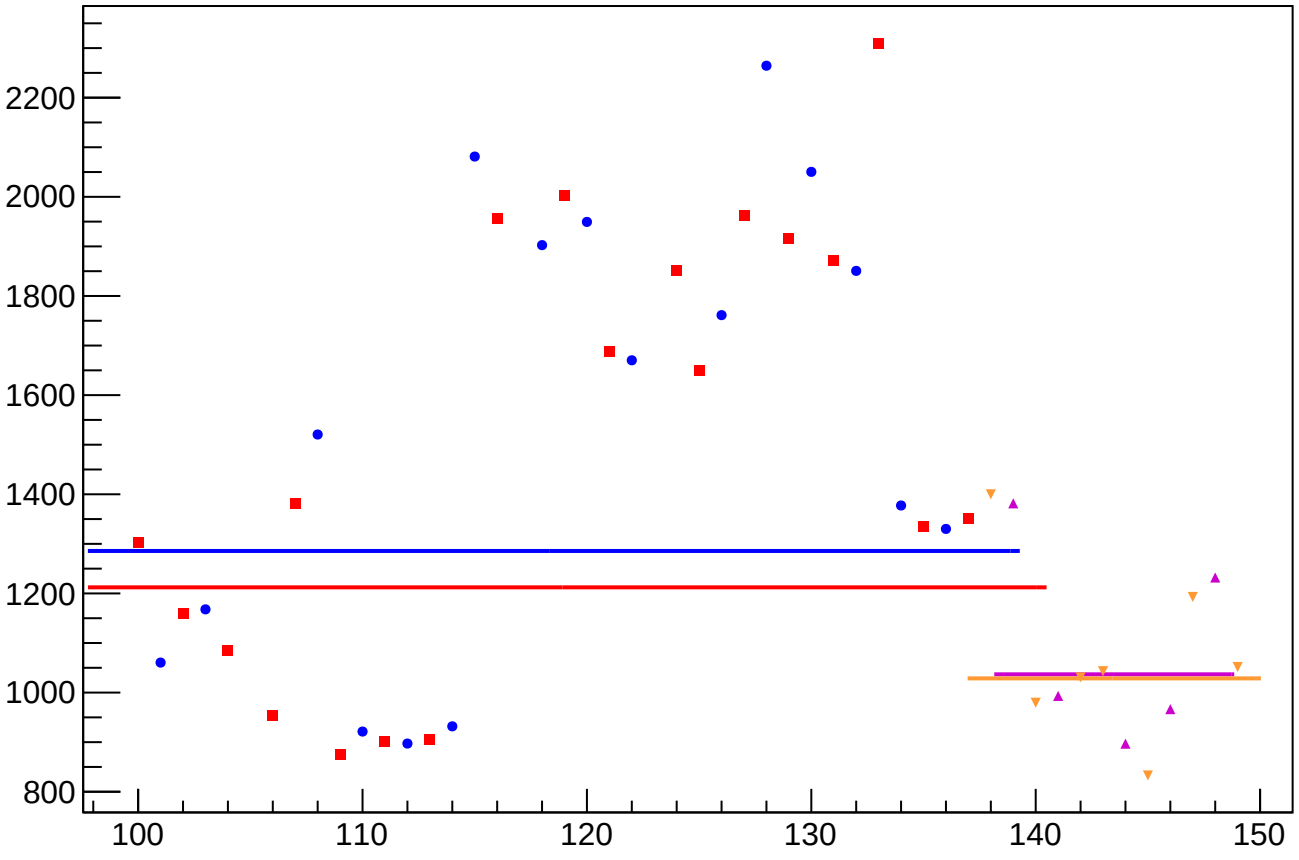
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -838.604+/-504.529 χ^2/NDF:3.0/4

+ sign -888.462+/-335.297 χ^2/NDF: 39.2/22

All: -928.334+/-239.984 χ^2/NDF: 55.2/46

- 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: 1028.645+/-0.319 χ^2/NDF:233397.6/6

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

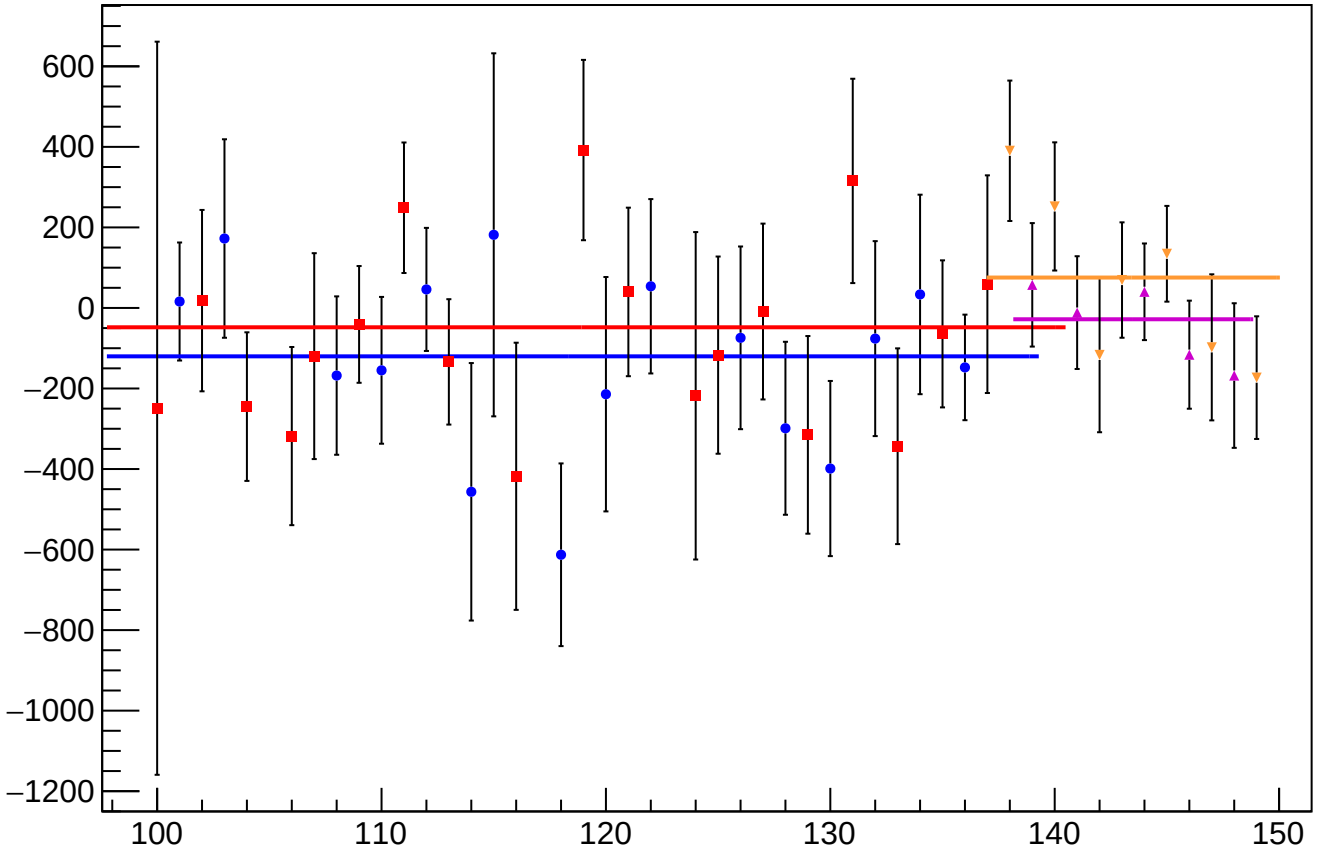
Left In: 1036.830+/-0.357 χ^2/NDF:202127.4/4

+ sign 1143.581+/-0.237 χ^2/NDF: 1694359.9/22

All: 1137.390+/-0.170 χ^2/NDF: 3428177.2/46

- 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: 75.507+/-58.472 χ^2/NDF:9.3/6

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

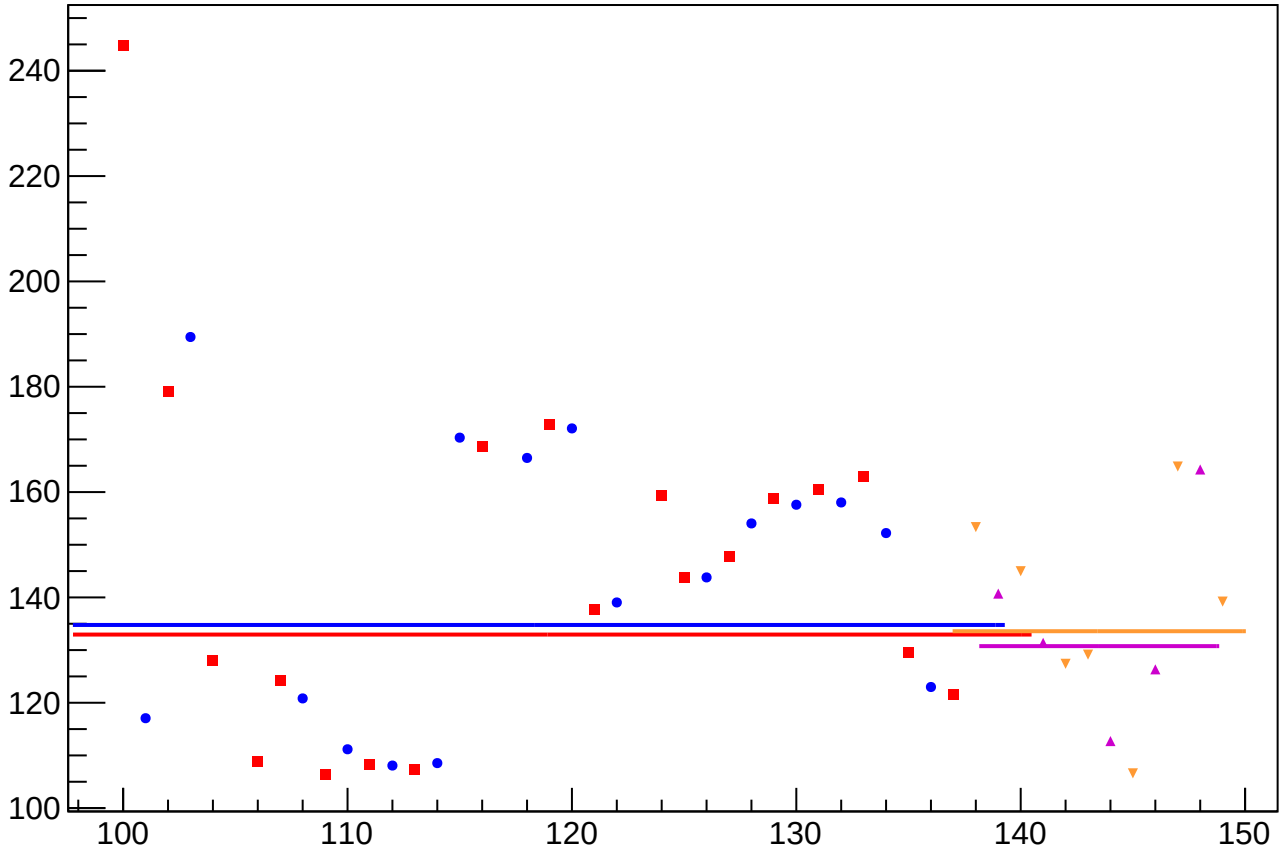
Left In: -28.104+/-63.298 χ^2/NDF:1.7/4

+ sign -35.431+/-38.479 χ^2/NDF: 29.1/22

All: -37.859+/-27.459 χ^2/NDF: 47.8/46

- 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: 133.583+/-0.041 χ^2/NDF:205185.5/6

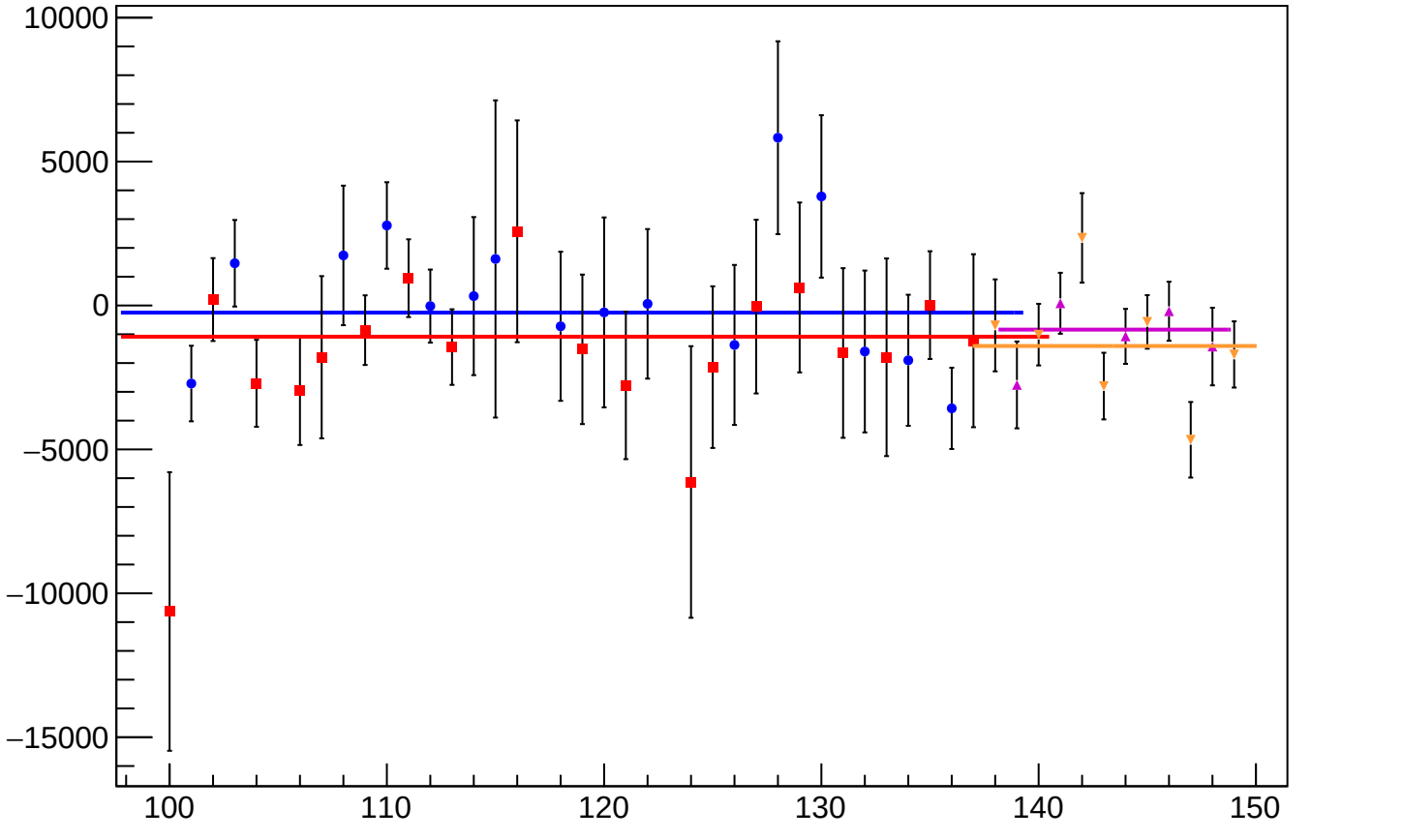
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 130.751+/-0.045 χ^2/NDF:125602.3/4

+ sign 134.256+/-0.027 χ^2/NDF: 622435.8/22

All: 133.201+/-0.019 χ^2/NDF: 1251441.4/46

- 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: -1407.762+/-450.951 χ^2/NDF:14.7/6

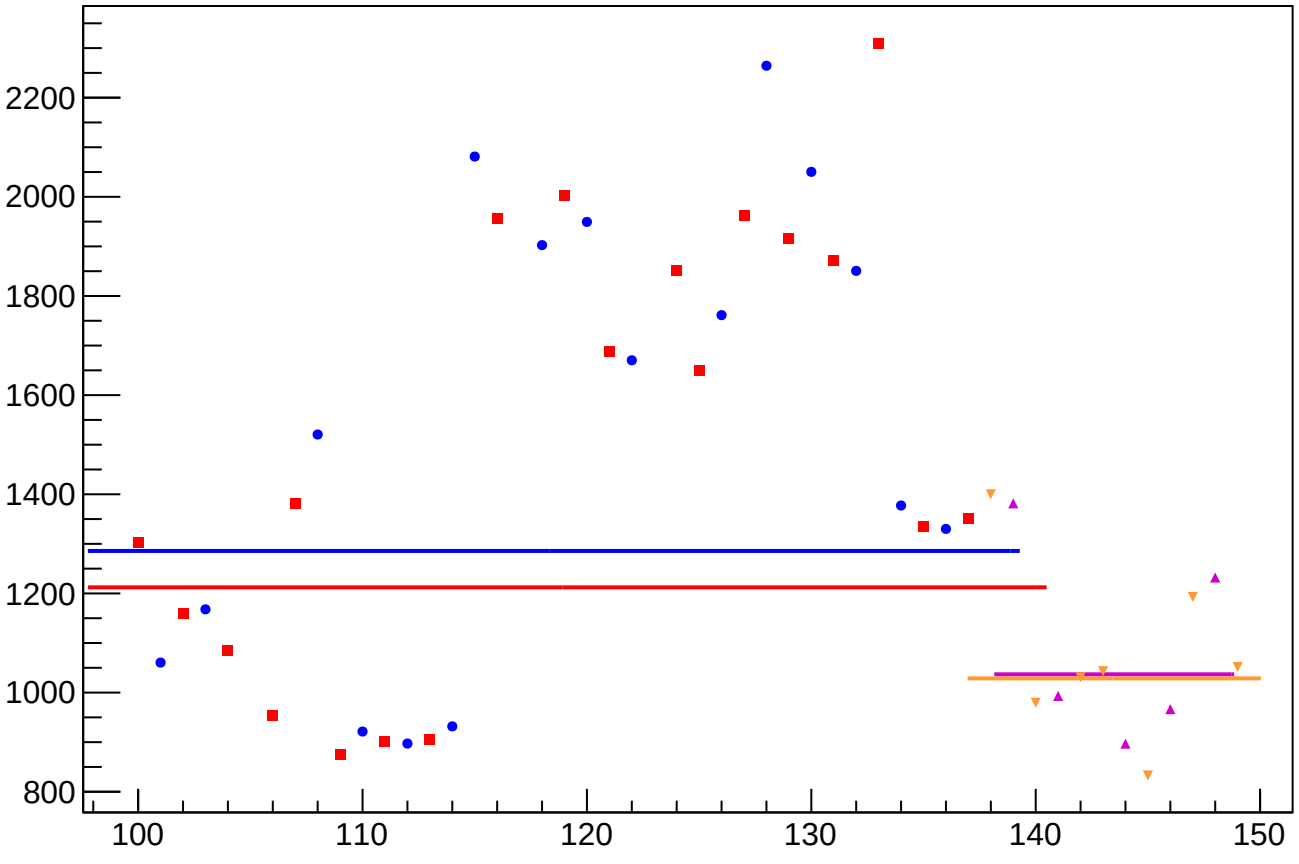
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -838.604+/-504.529 χ^2/NDF:3.0/4

+ sign -888.462+/-335.297 χ^2/NDF: 39.2/22

All: -928.334+/-239.984 χ^2/NDF: 55.2/46

- 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: 1028.645+/-0.319 χ^2/NDF:233397.6/6

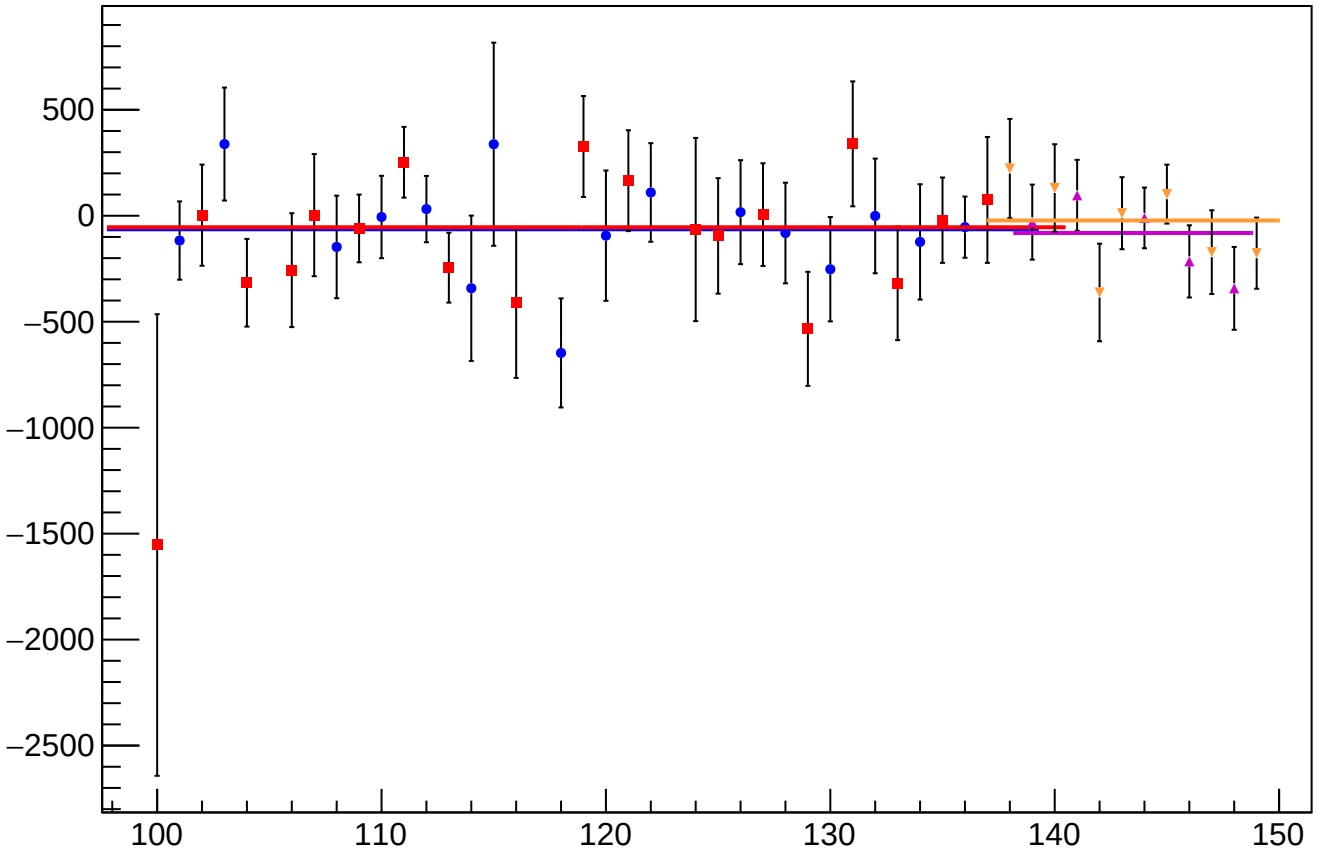
Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1036.830+/-0.357 χ^2/NDF:202127.4/4

+ sign 1143.581+/-0.237 χ^2/NDF: 1694359.9/22

All: 1137.390+/-0.170 χ^2/NDF: 3428177.2/46

- sign 1130.887+/-0.243 χ^2/NDF: 1732419.1/23



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: -22.315+/-69.324 χ^2/NDF:6.1/6

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

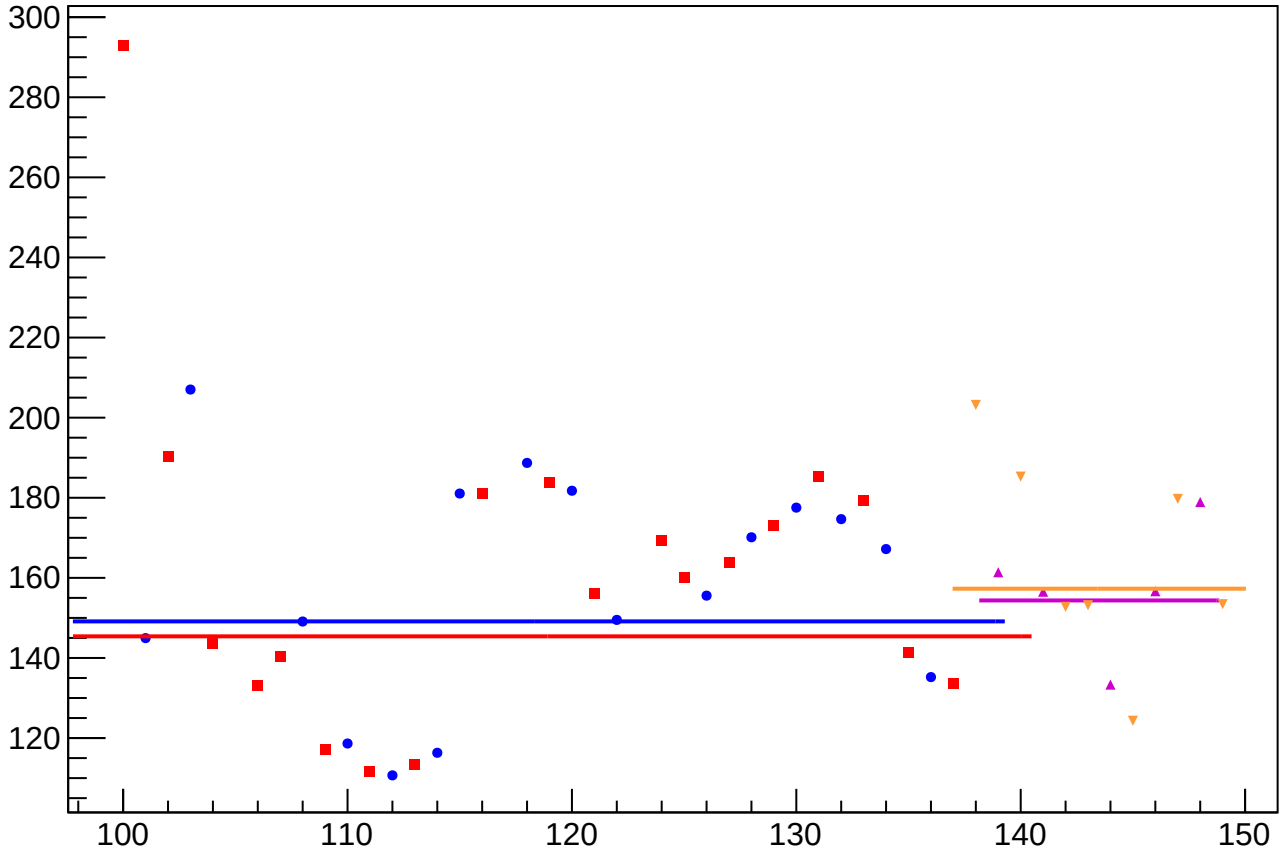
Left In: -81.339+/-75.176 χ^2/NDF:3.9/4

+ sign -47.149+/-43.905 χ^2/NDF: 17.1/22

All: -55.346+/-31.168 χ^2/NDF: 40.6/46

- 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: 157.295+/-0.049 χ^2/NDF:254903.3/6

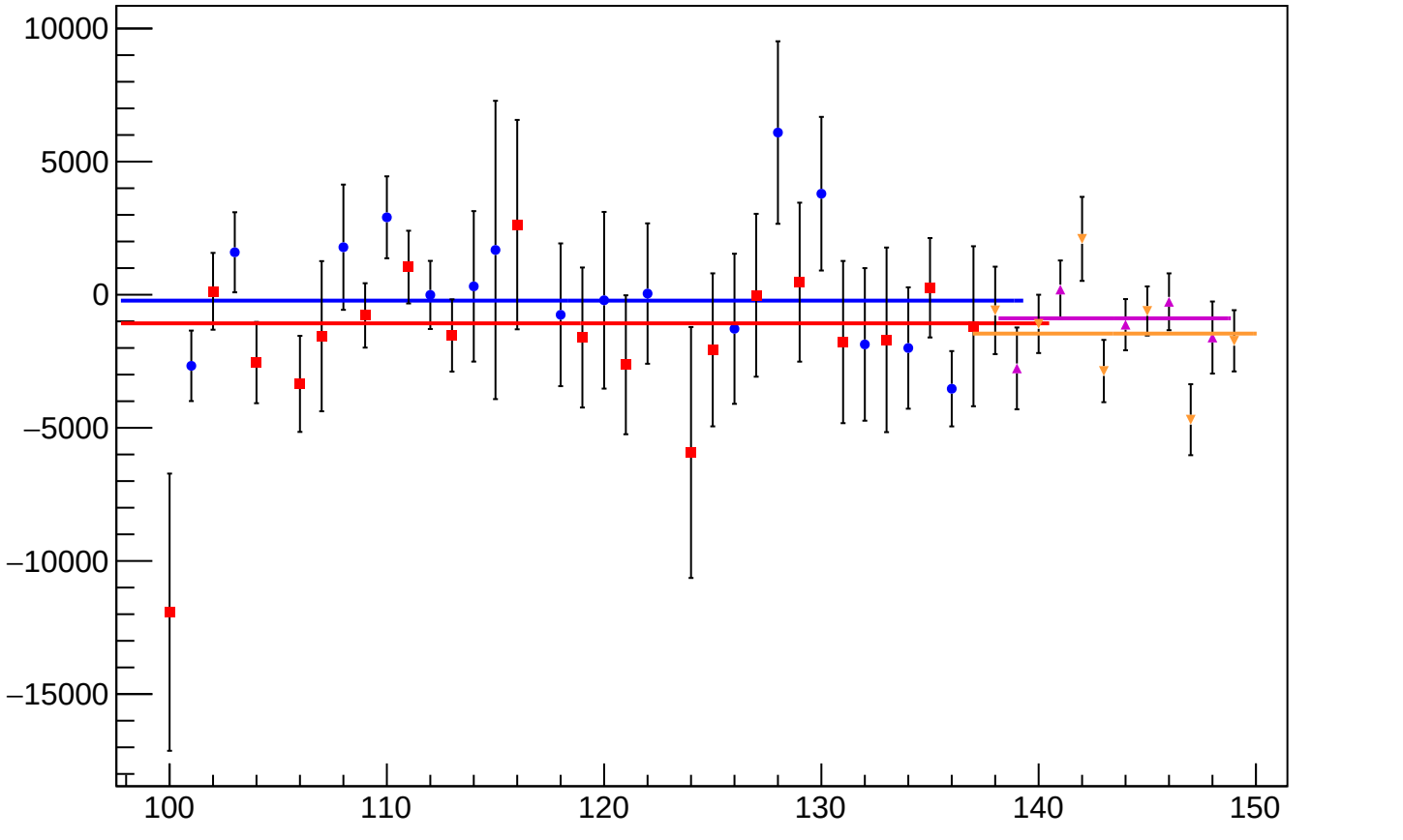
Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 154.362+/-0.053 χ^2/NDF:78487.9/4

+ sign 152.405+/-0.031 χ^2/NDF: 722520.1/22

All: 150.470+/-0.022 χ^2/NDF: 1353233.4/46

- sign 148.505+/-0.031 χ^2/NDF: 622884.3/23



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1459.828+/-455.026 χ^2/NDF:13.7/6

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

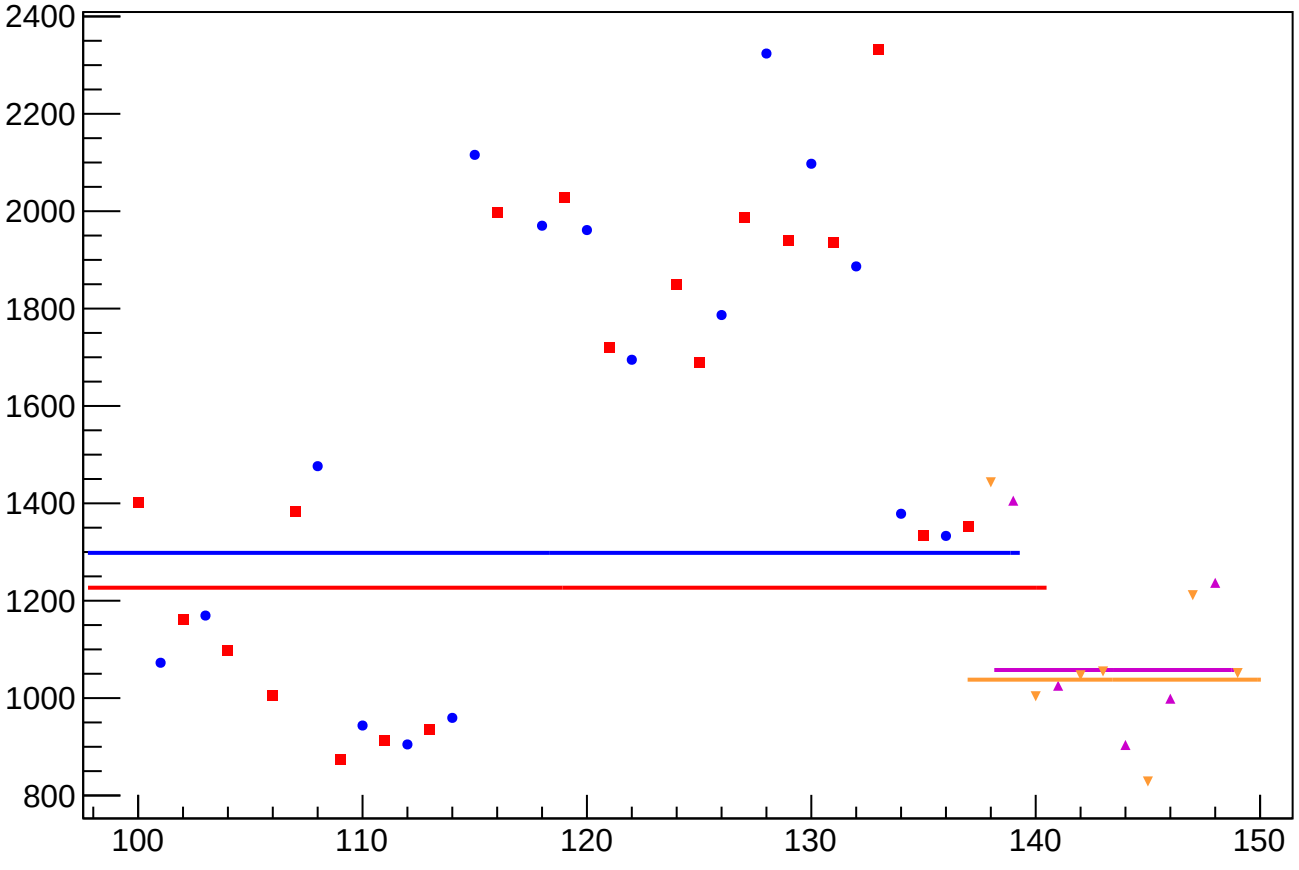
Left In: -886.036+/-515.149 χ^2/NDF:3.2/4

+ sign -906.289+/-338.403 χ^2/NDF: 38.9/22

All: -946.105+/-242.723 χ^2/NDF: 55.8/46

- 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: 1037.858+/-0.322 χ^2/NDF:261091.4/6

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

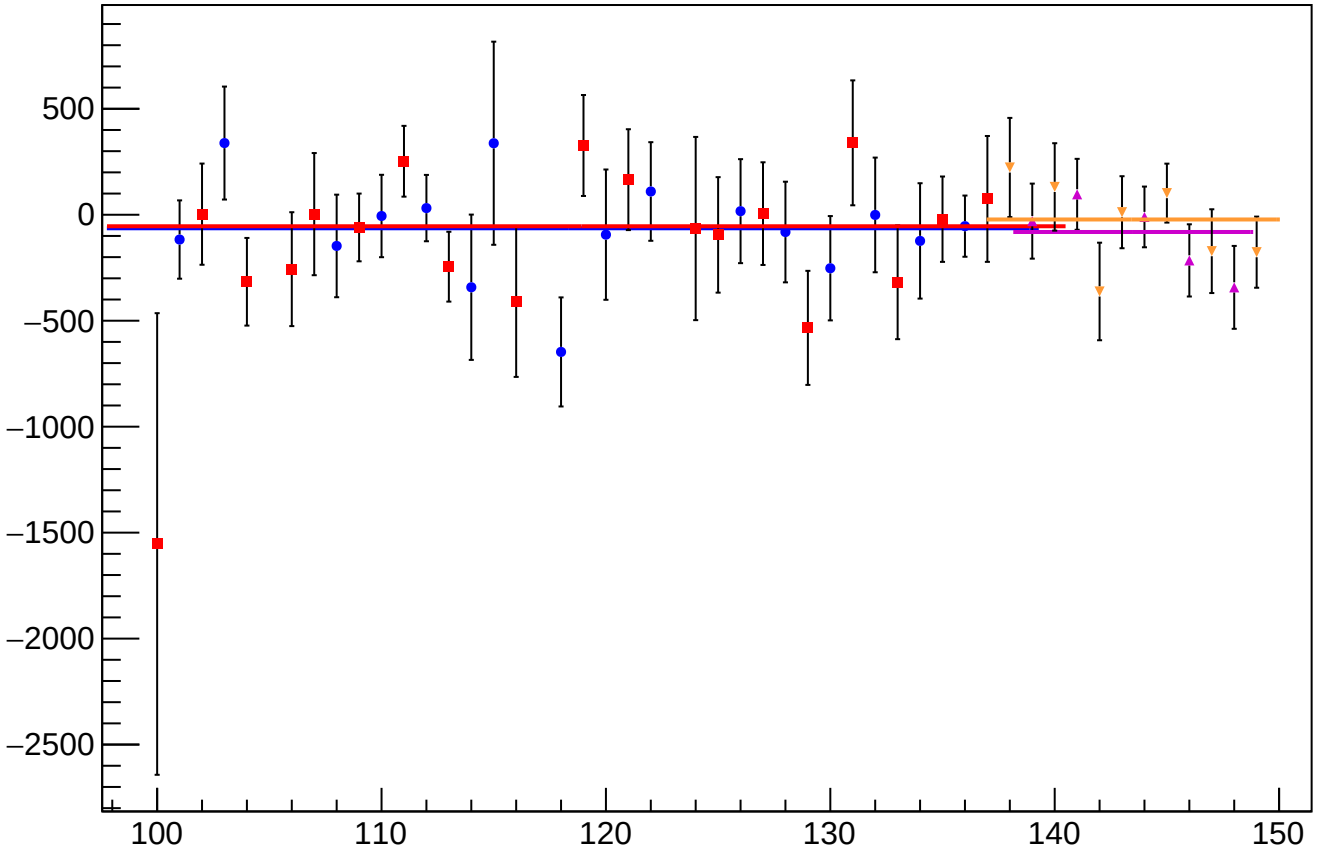
Left In: 1057.718+/-0.364 χ^2/NDF:196827.2/4

+ sign 1154.250+/-0.239 χ^2/NDF: 1736017.3/22

All: 1151.920+/-0.172 χ^2/NDF: 3454405.9/46

- 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: -22.316+/-69.325 χ^2/NDF:6.1/6

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

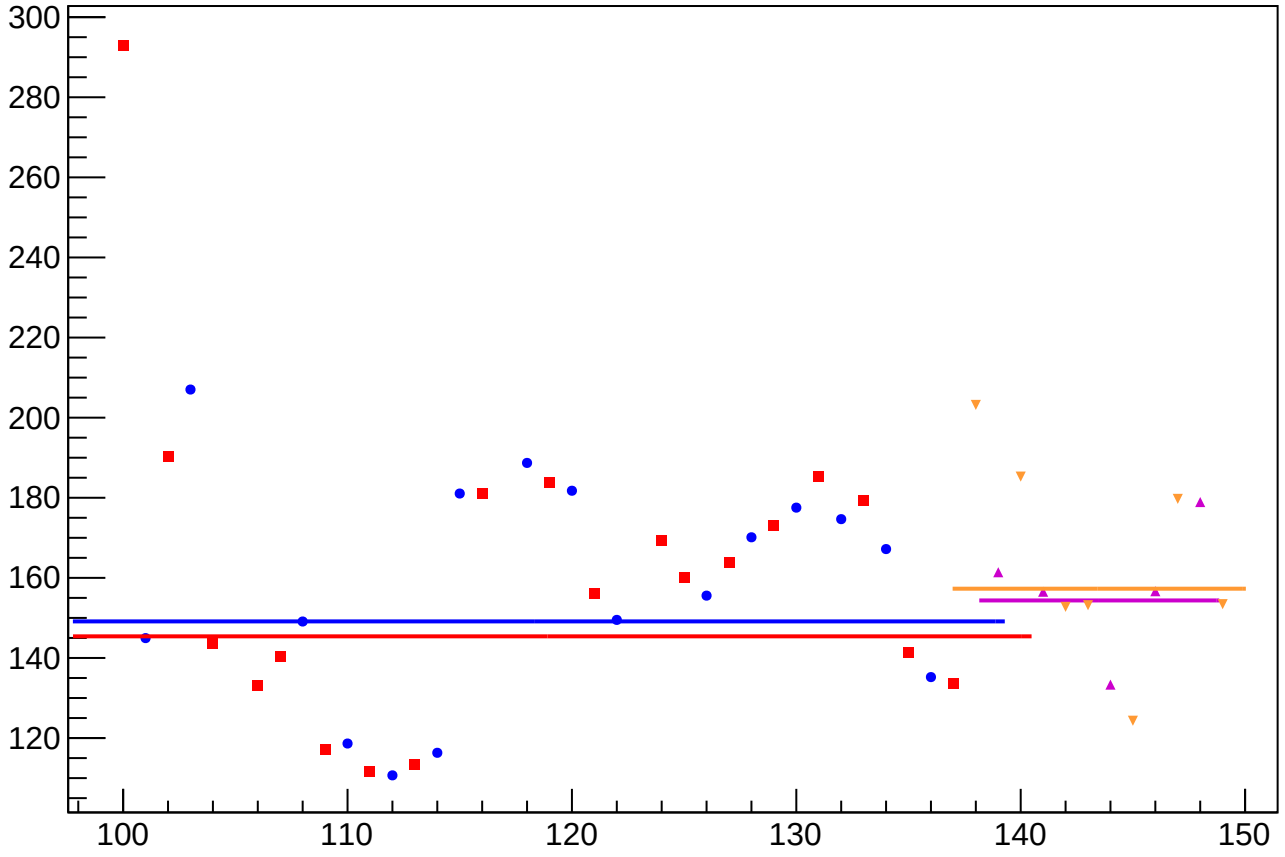
Left In: -81.339+/-75.176 χ^2/NDF:3.9/4

+ sign -47.147+/-43.905 χ^2/NDF: 17.1/22

All: -55.345+/-31.168 χ^2/NDF: 40.6/46

- 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: 157.295+/-0.049 χ^2/NDF:254897.3/6

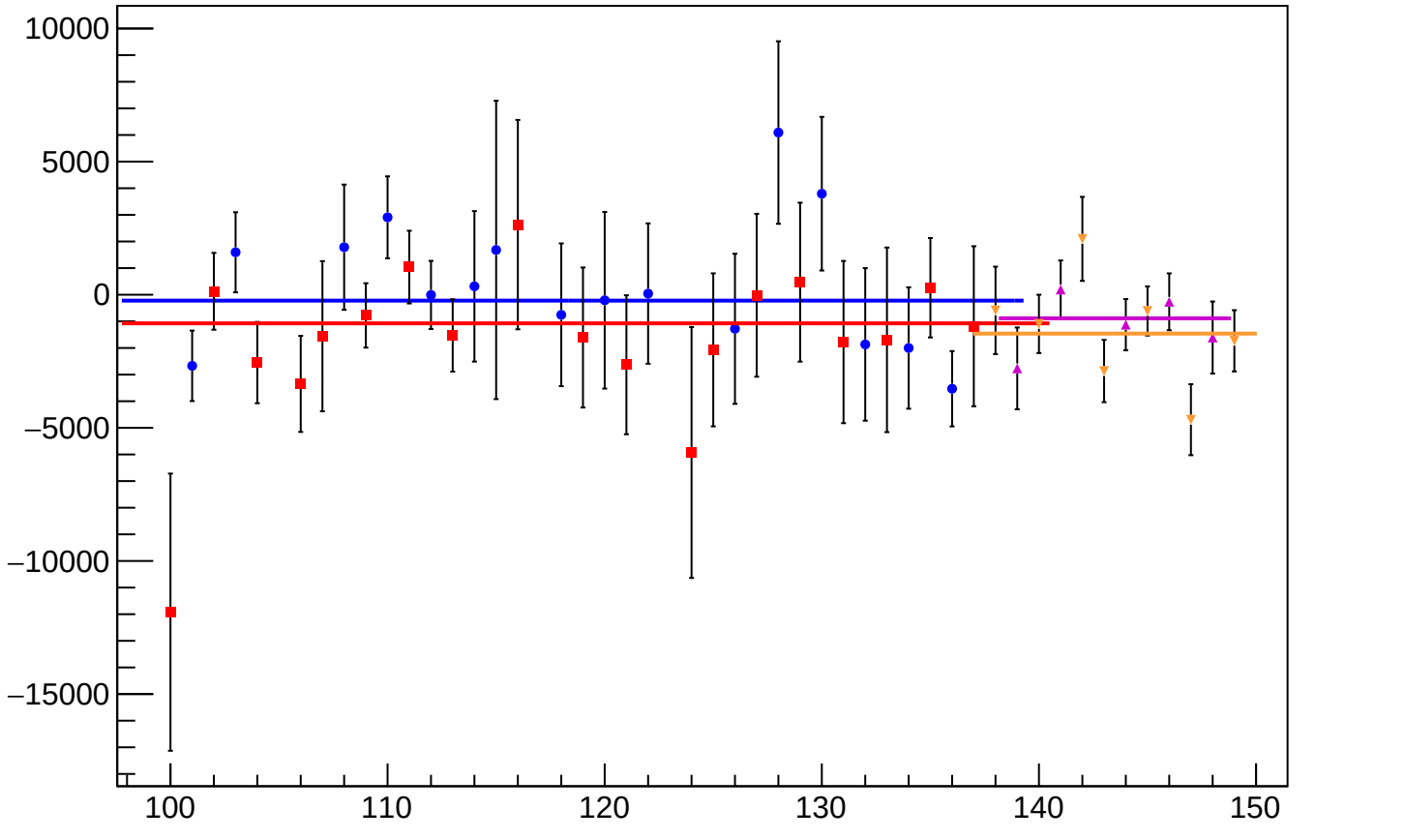
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 154.362+/-0.053 χ^2/NDF:78486.3/4

+ sign 152.405+/-0.031 χ^2/NDF: 722517.3/22

All: 150.470+/-0.022 χ^2/NDF: 1353233.3/46

- 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: -1459.827+/-455.026 χ^2/NDF:13.7/6

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

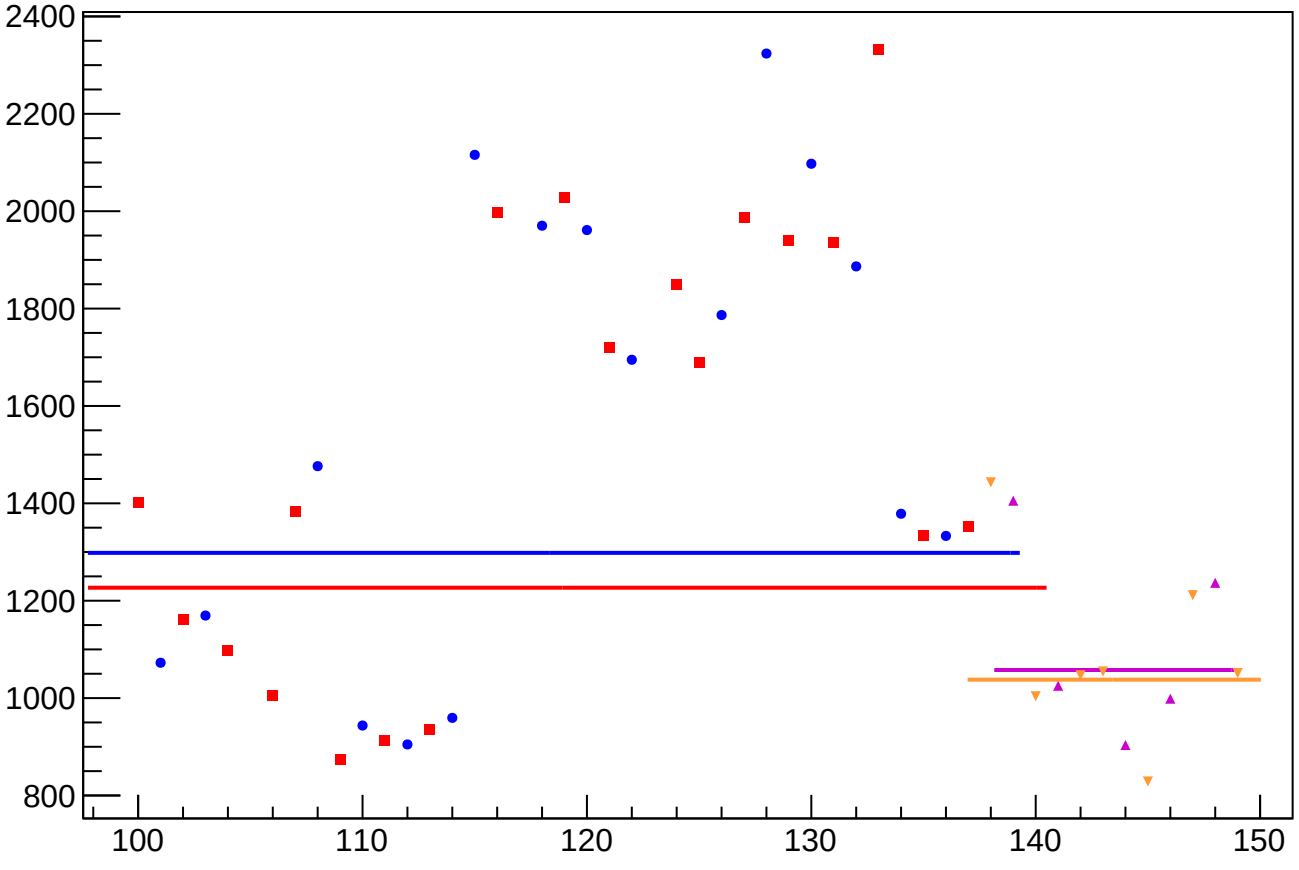
Left In: -886.036+/-515.148 χ^2/NDF:3.2/4

+ sign -906.289+/-338.402 χ^2/NDF: 38.9/22

All: -946.104+/-242.723 χ^2/NDF: 55.8/46

- sign -988.292+/-348.337 χ^2/NDF: 16.8/23

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1037.857+/-0.322 χ^2/NDF:261093.7/6

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

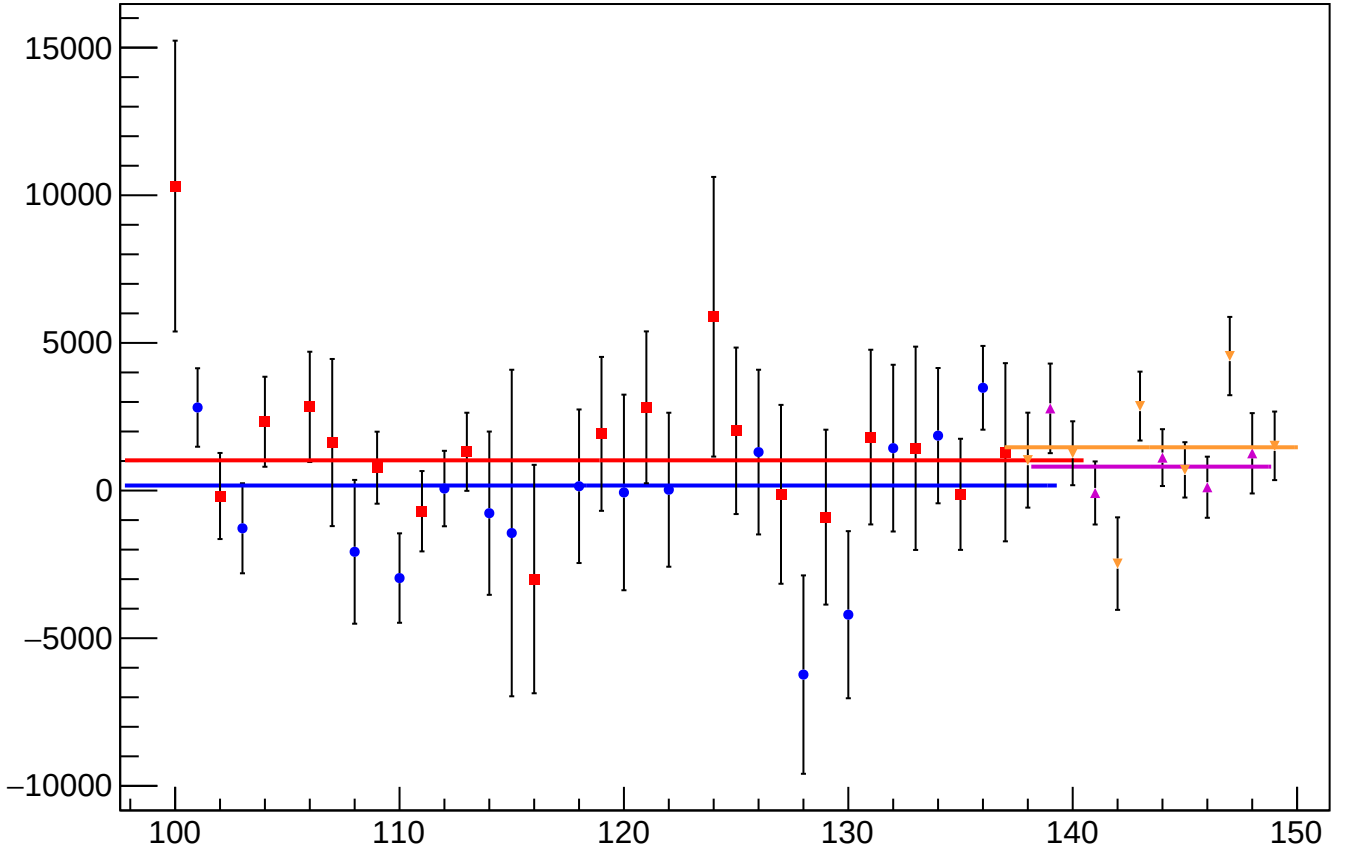
Left In: 1057.717+/-0.364 χ^2/NDF:196827.6/4

+ sign 1154.248+/-0.239 χ^2/NDF: 1736024.5/22

All: 1151.919+/-0.172 χ^2/NDF: 3454416.1/46

- sign 1149.451+/-0.246 χ^2/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: 1466.106+/-454.894 χ^2/NDF:14.0/6

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

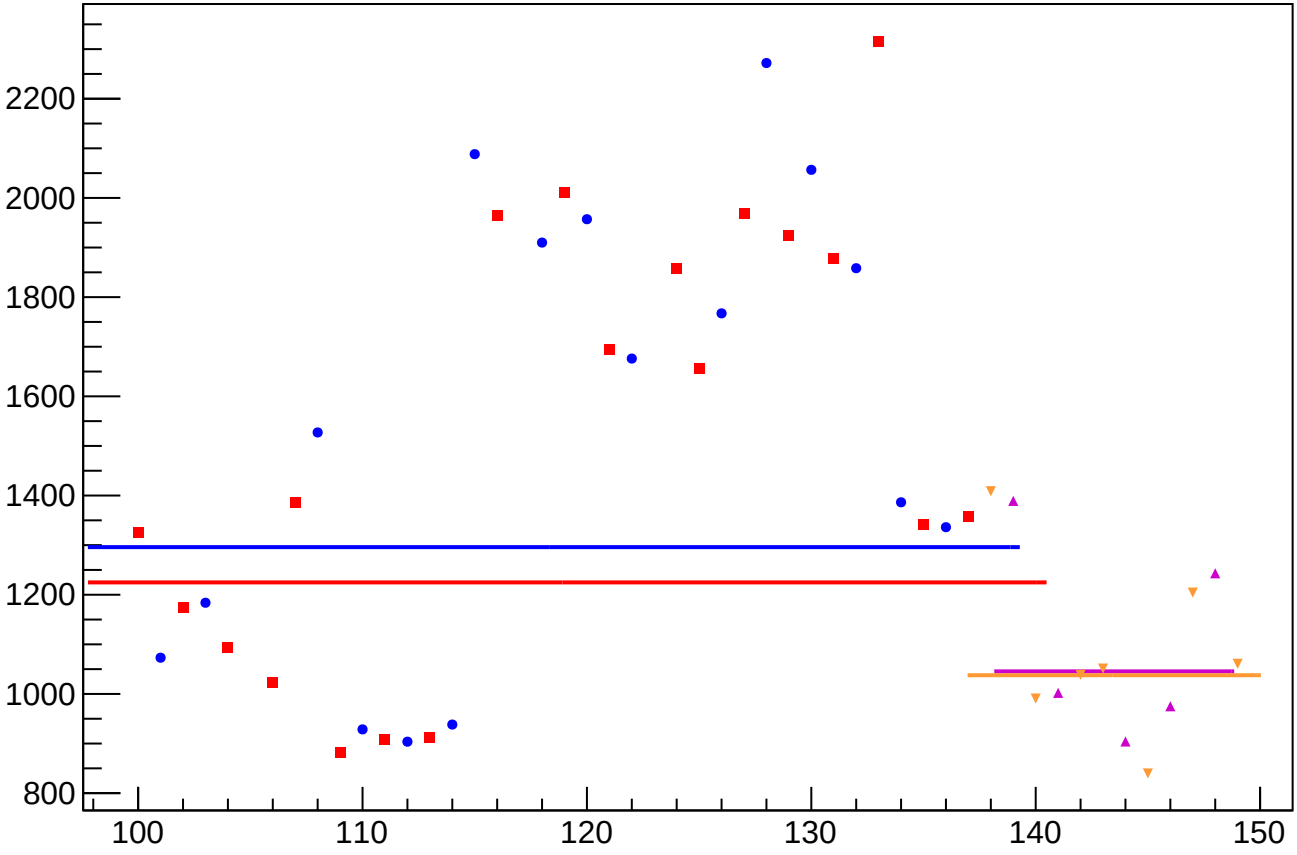
Left In: 809.929+/-508.685 χ^2/NDF:3.1/4

\+ sign 886.171+/-338.030 χ^2/NDF: 40.2/22

All: 905.034+/-241.792 χ^2/NDF: 54.9/46

\- 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: 1037.729+/-0.322 χ^2/NDF:232255.0/6

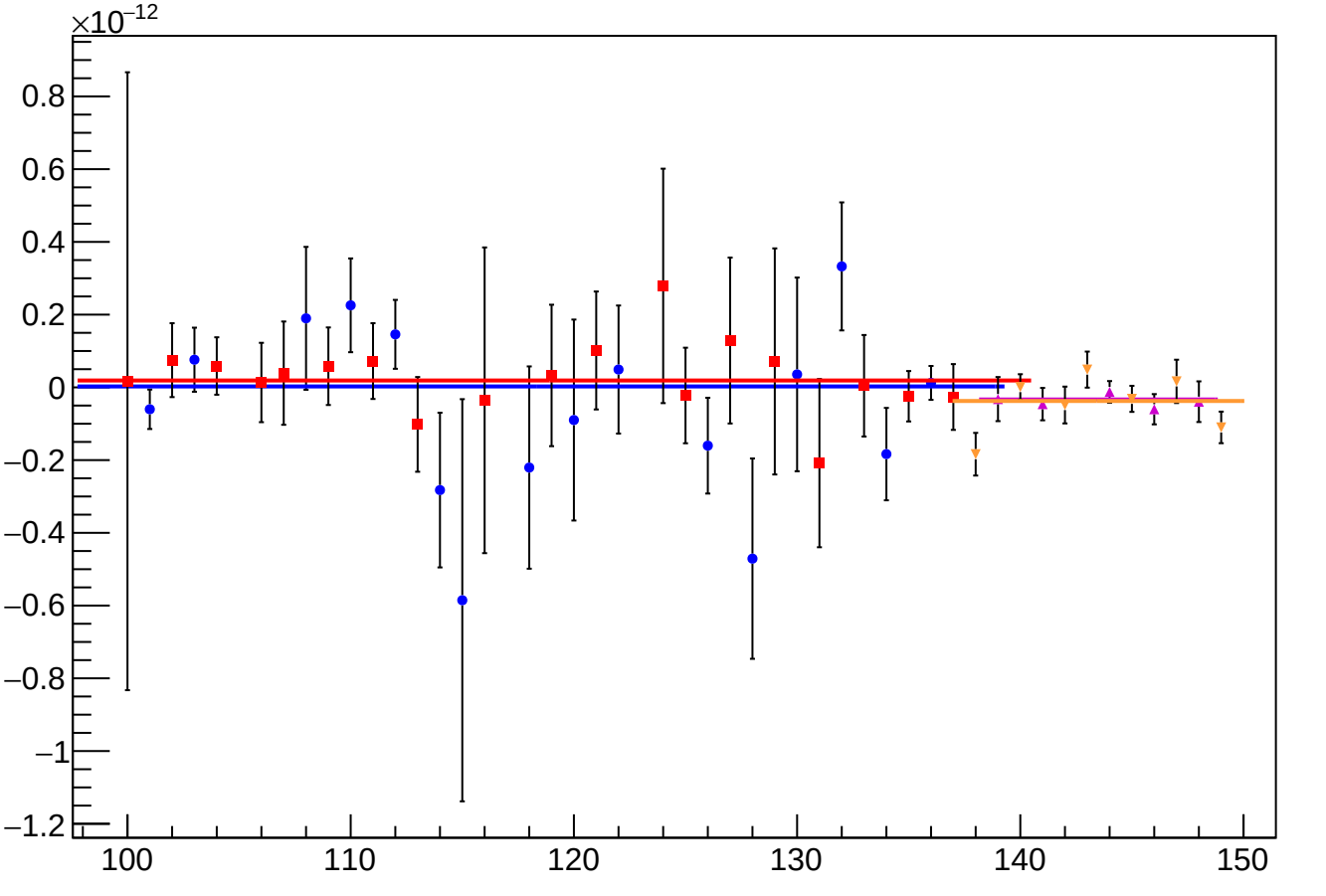
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1045.517+/-0.360 χ^2/NDF:200620.0/4

\+ sign 1153.379+/-0.239 χ^2/NDF: 1675117.2/22

All: 1147.770+/-0.171 χ^2/NDF: 3381752.1/46

\- 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:14.1/6

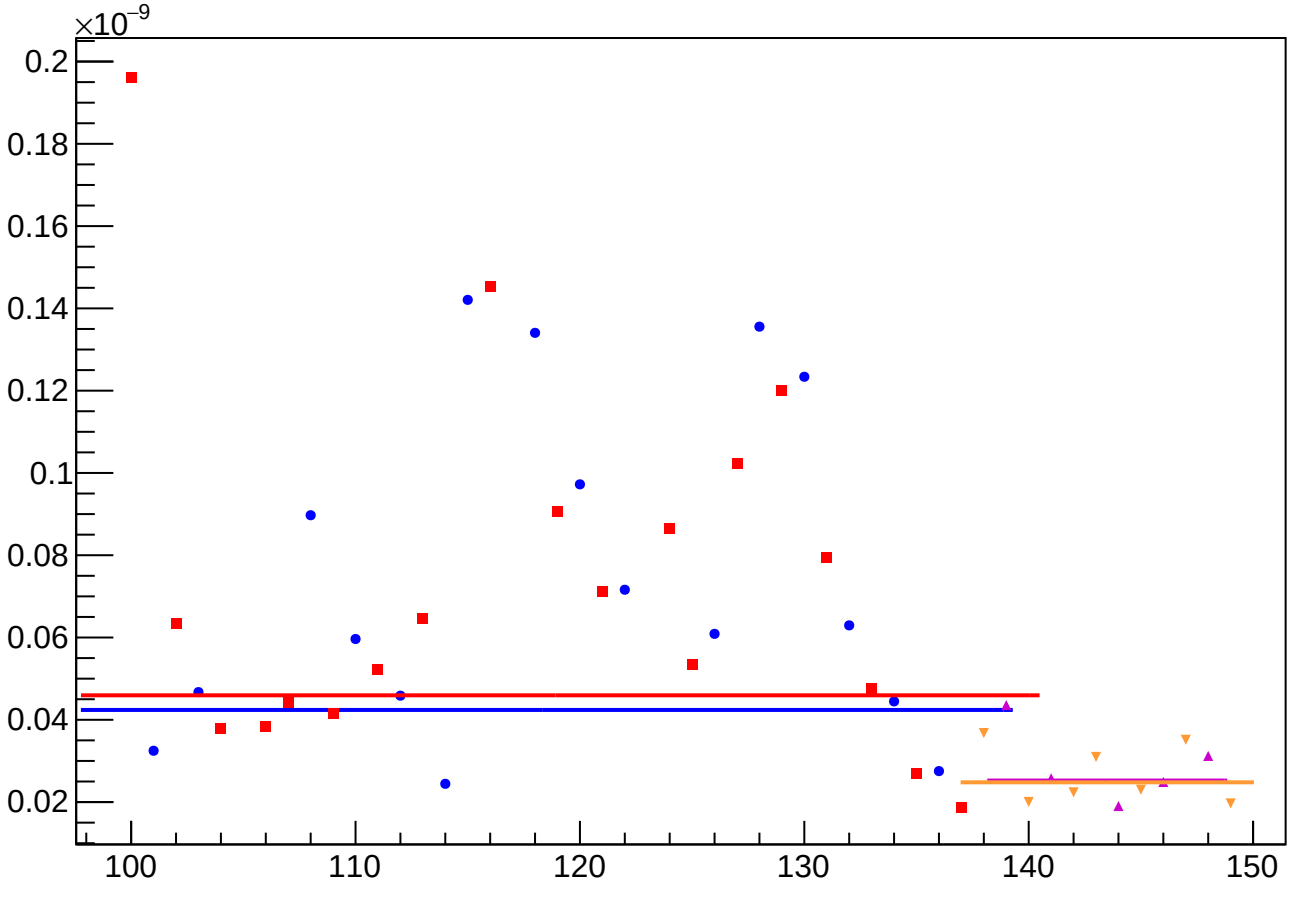
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 37.9/22

All: -0.000+/-0.000 χ^2/NDF: 46.1/46

- 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:248653.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

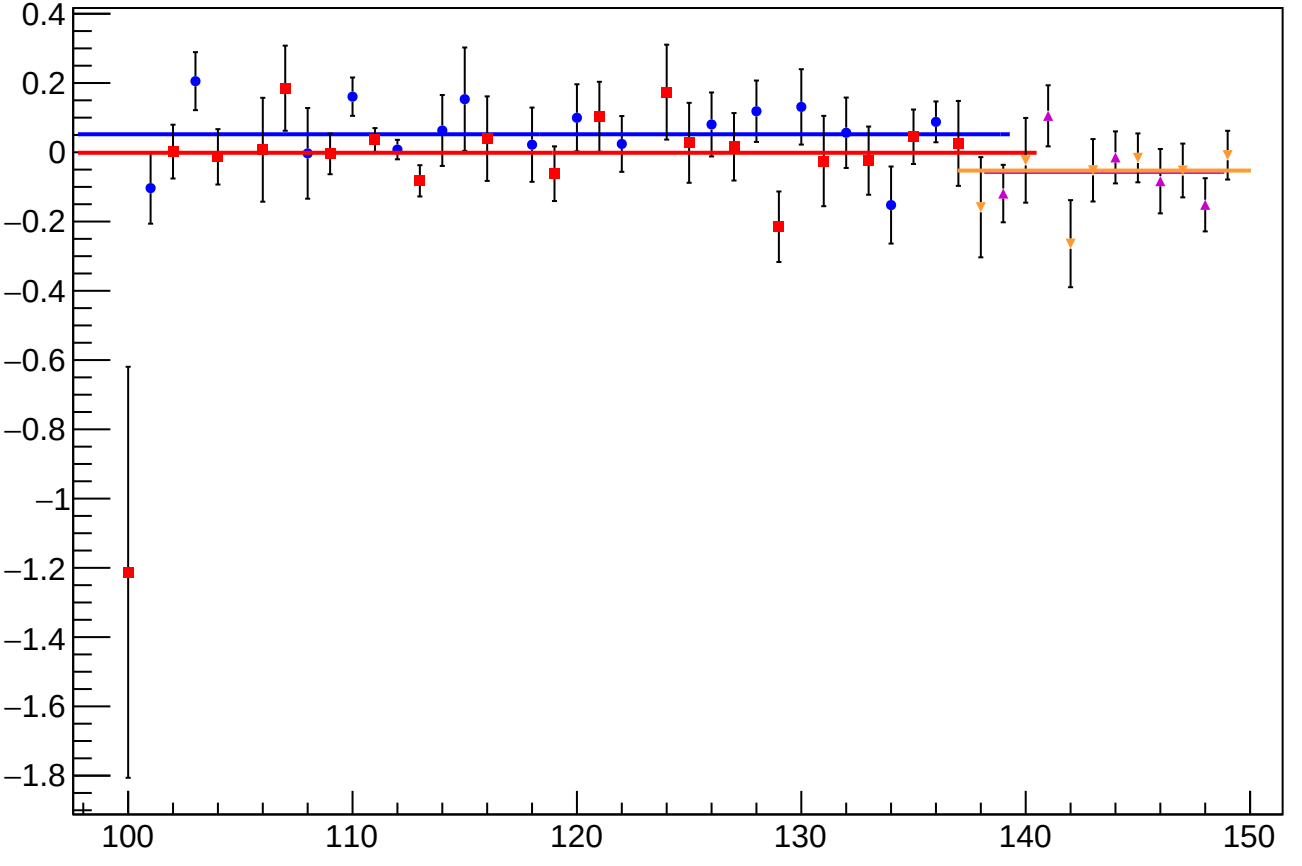
Left In: 0.000+/-0.000 χ^2/NDF:292928.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 2204466.1/22

All: 0.000+/-0.000 χ^2/NDF: 4348422.9/46

- sign 0.000+/-0.000 χ^2/NDF: 2132476.1/23

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.053+/-0.034 χ^2/NDF:4.1/6

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

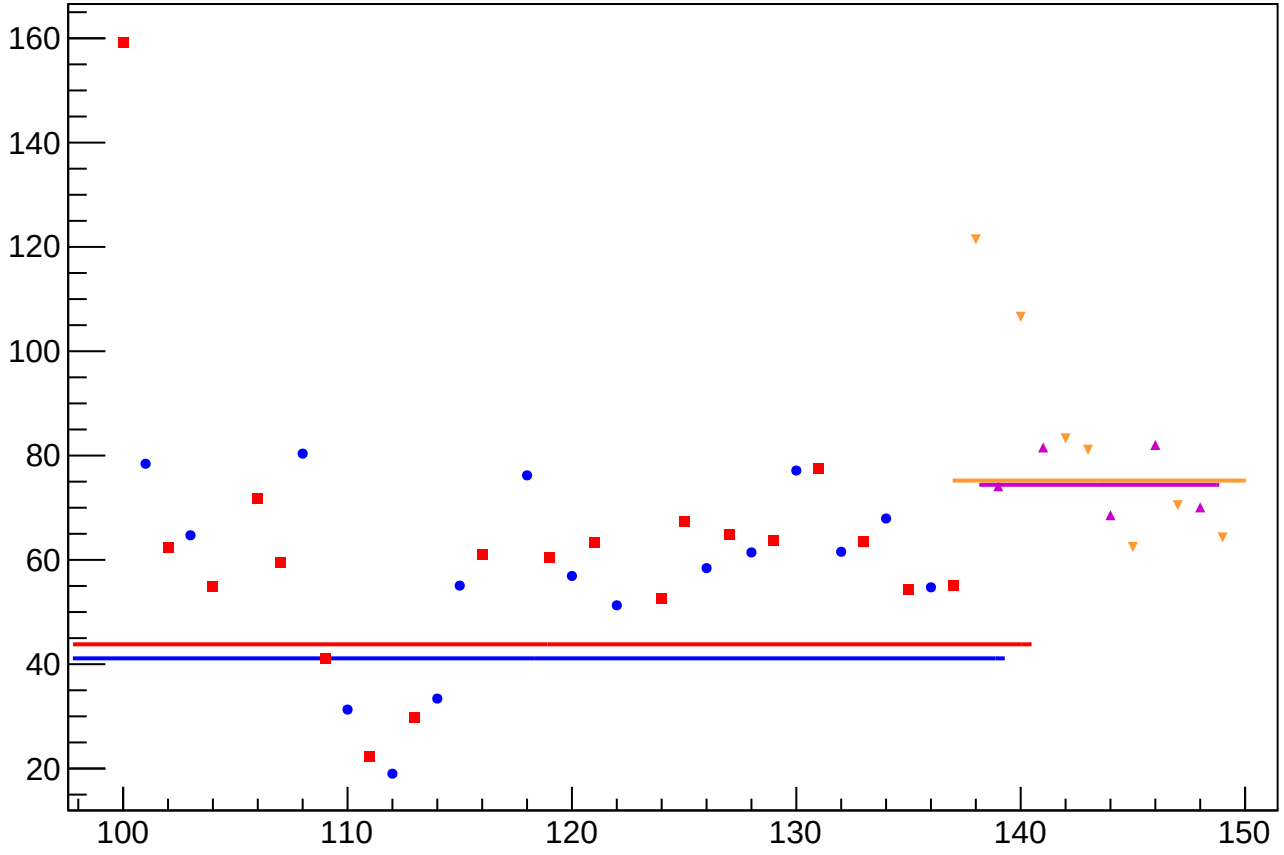
Left In: -0.057+/-0.037 χ^2/NDF:5.9/4

+ sign 0.029+/-0.016 χ^2/NDF: 29.5/22

All: 0.009+/-0.011 χ^2/NDF: 59.8/46

- 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: 75.208+/-0.024 χ^2/NDF:473504.4/6

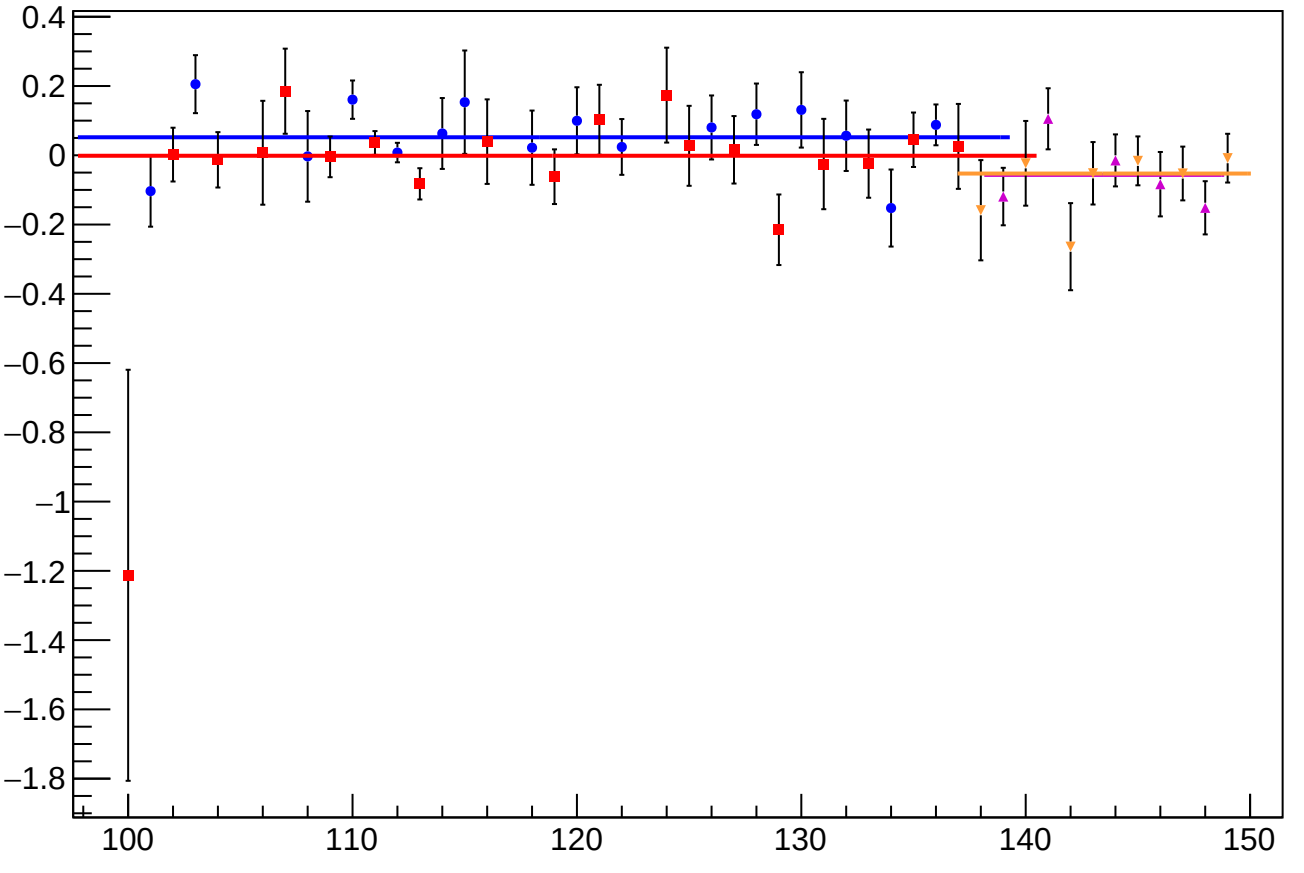
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.393+/-0.026 χ^2/NDF:45082.4/4

+ sign 48.463+/-0.011 χ^2/NDF: 4983761.0/22

All: 49.050+/-0.008 χ^2/NDF: 8196441.5/46

- 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: -0.053+/-0.034 χ^2/NDF:4.1/6

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

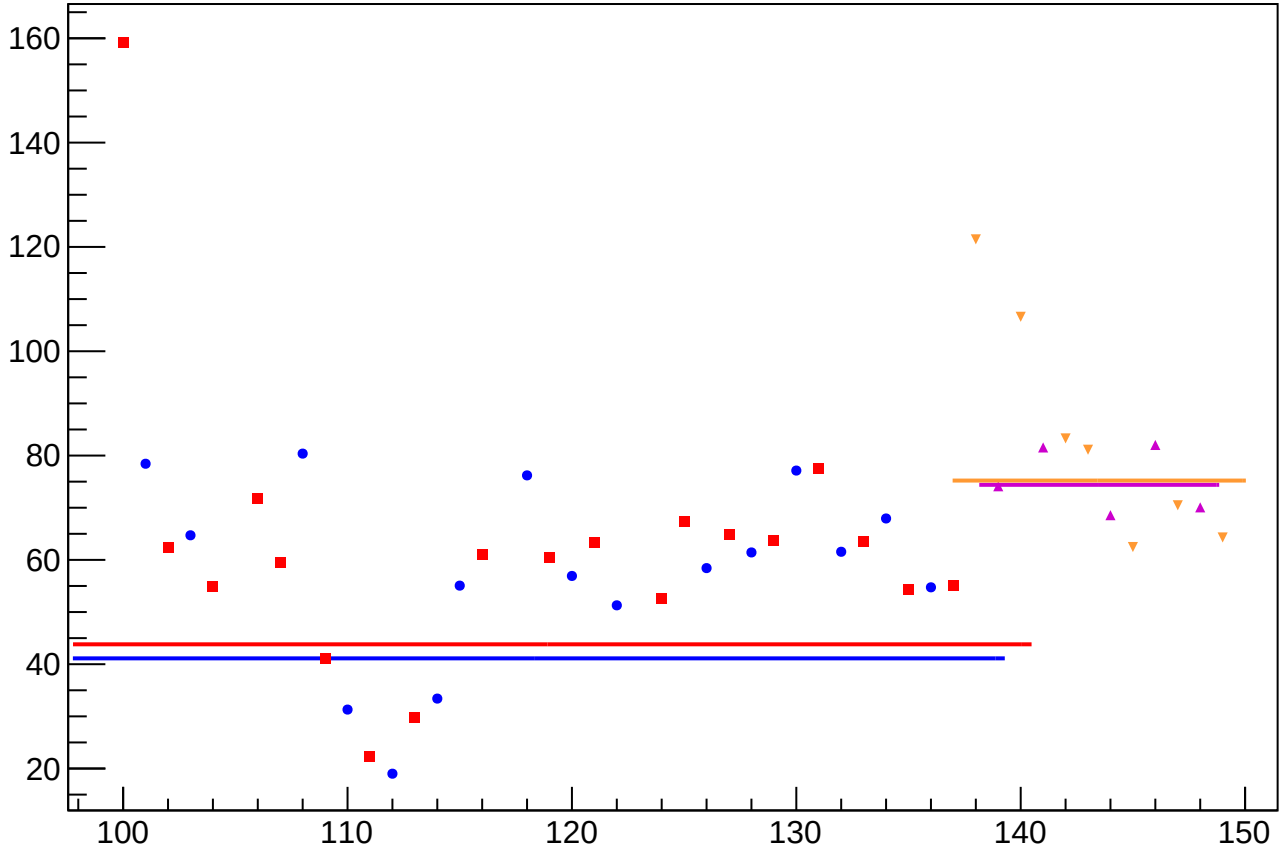
Left In: -0.057+/-0.037 χ^2/NDF:5.9/4

+ sign 0.029+/-0.016 χ^2/NDF: 29.5/22

All: 0.009+/-0.011 χ^2/NDF: 59.8/46

- 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: 75.208+/-0.024 χ^2/NDF:473504.4/6

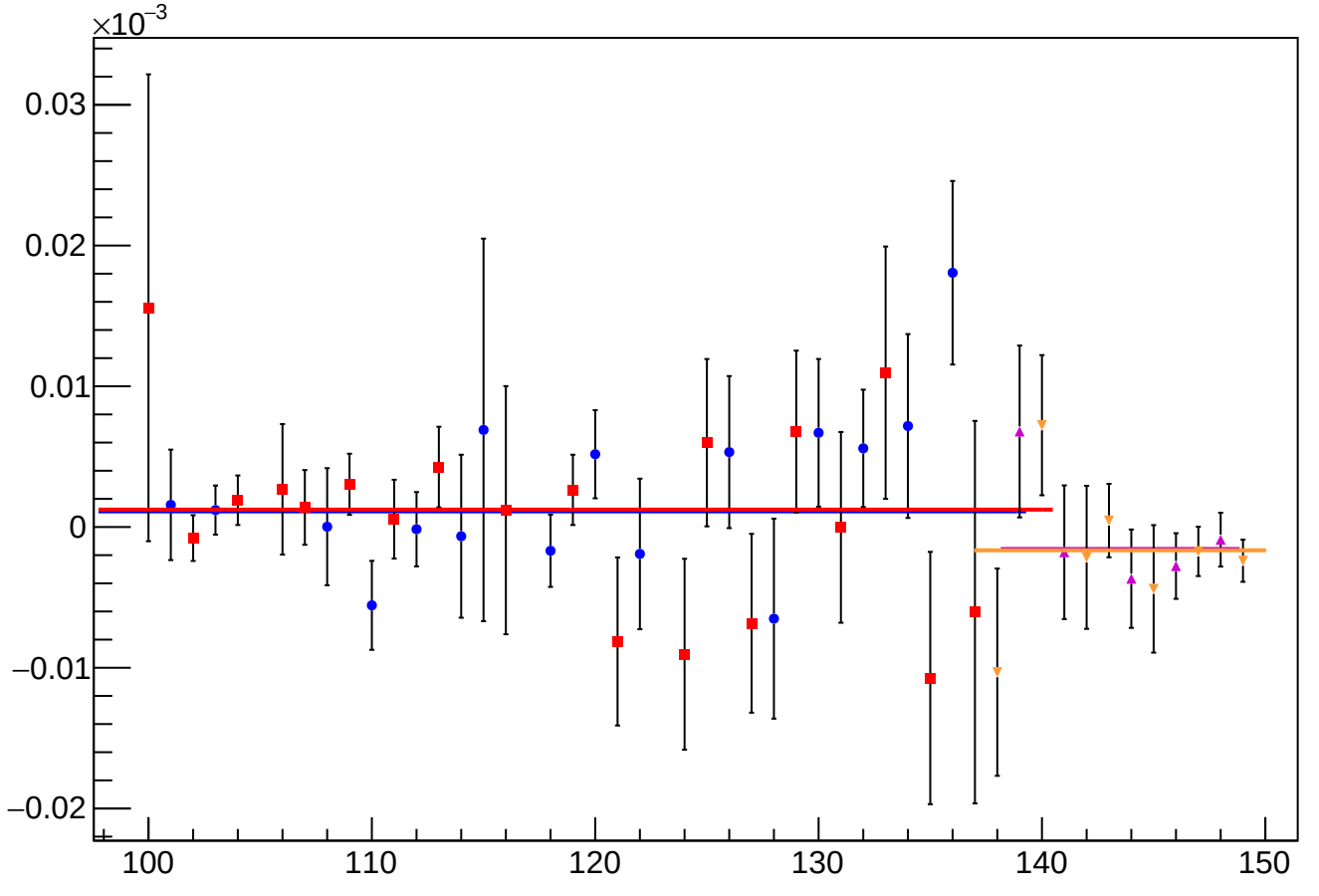
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.393+/-0.026 χ^2/NDF:45082.4/4

+ sign 48.463+/-0.011 χ^2/NDF: 4983761.0/22

All: 49.050+/-0.008 χ^2/NDF: 8196441.5/46

- 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:5.8/6

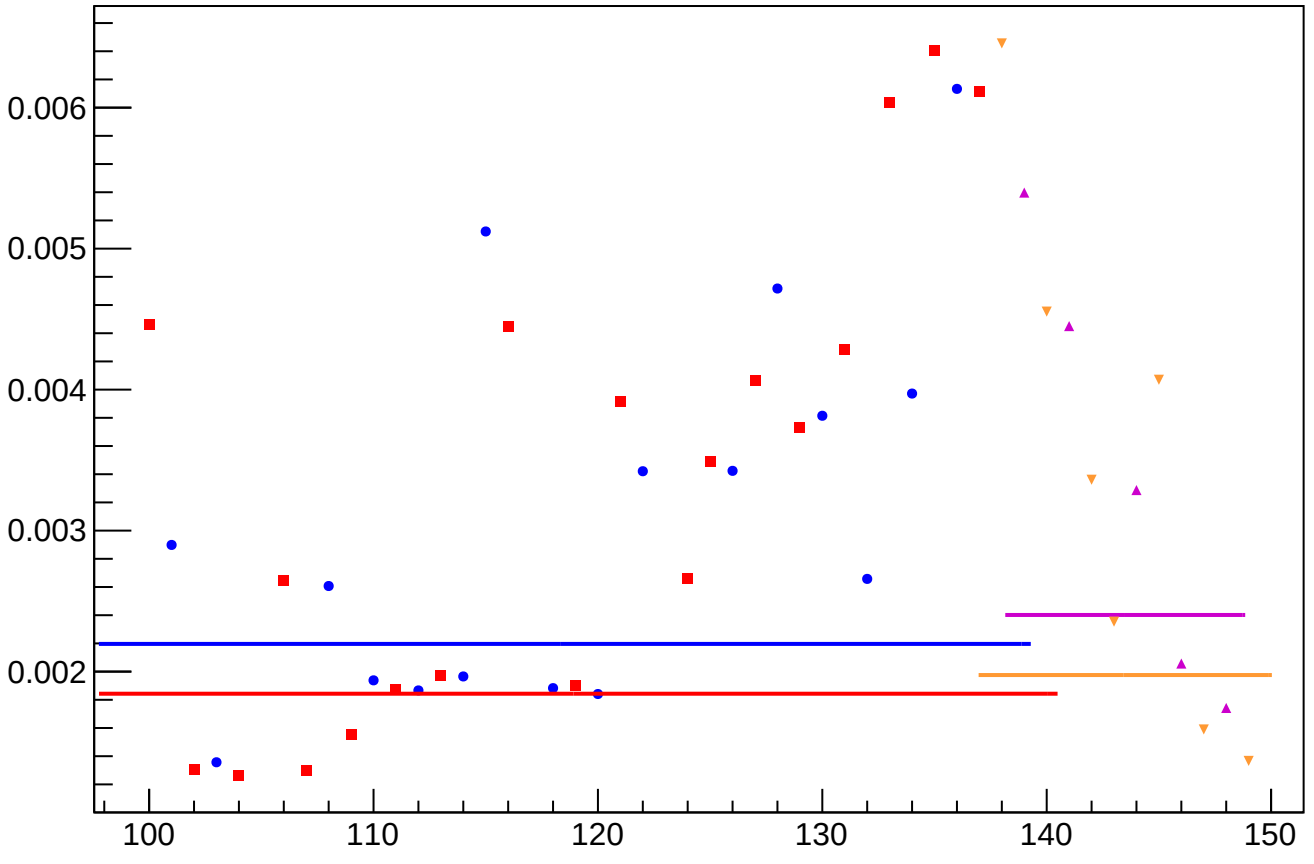
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/22

All: 0.000+/-0.000 χ^2/NDF: 52.7/46

- 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:2322788.4/6

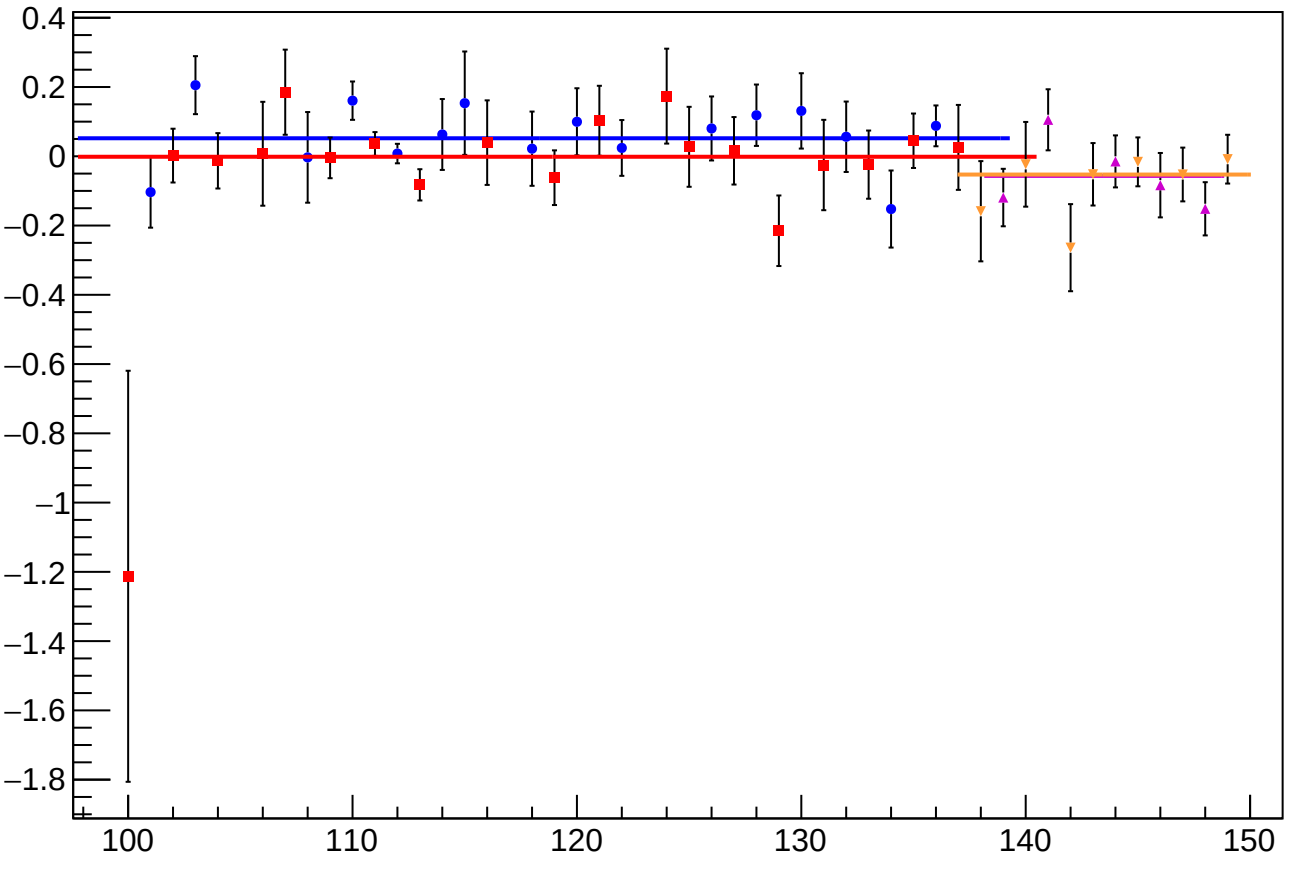
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1264193.0/4

+ sign 0.002+/-0.000 χ^2/NDF: 4671024.6/22

All: 0.002+/-0.000 χ^2/NDF: 9378264.2/46

- 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: -0.053+/-0.034 χ^2/NDF:4.1/6

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

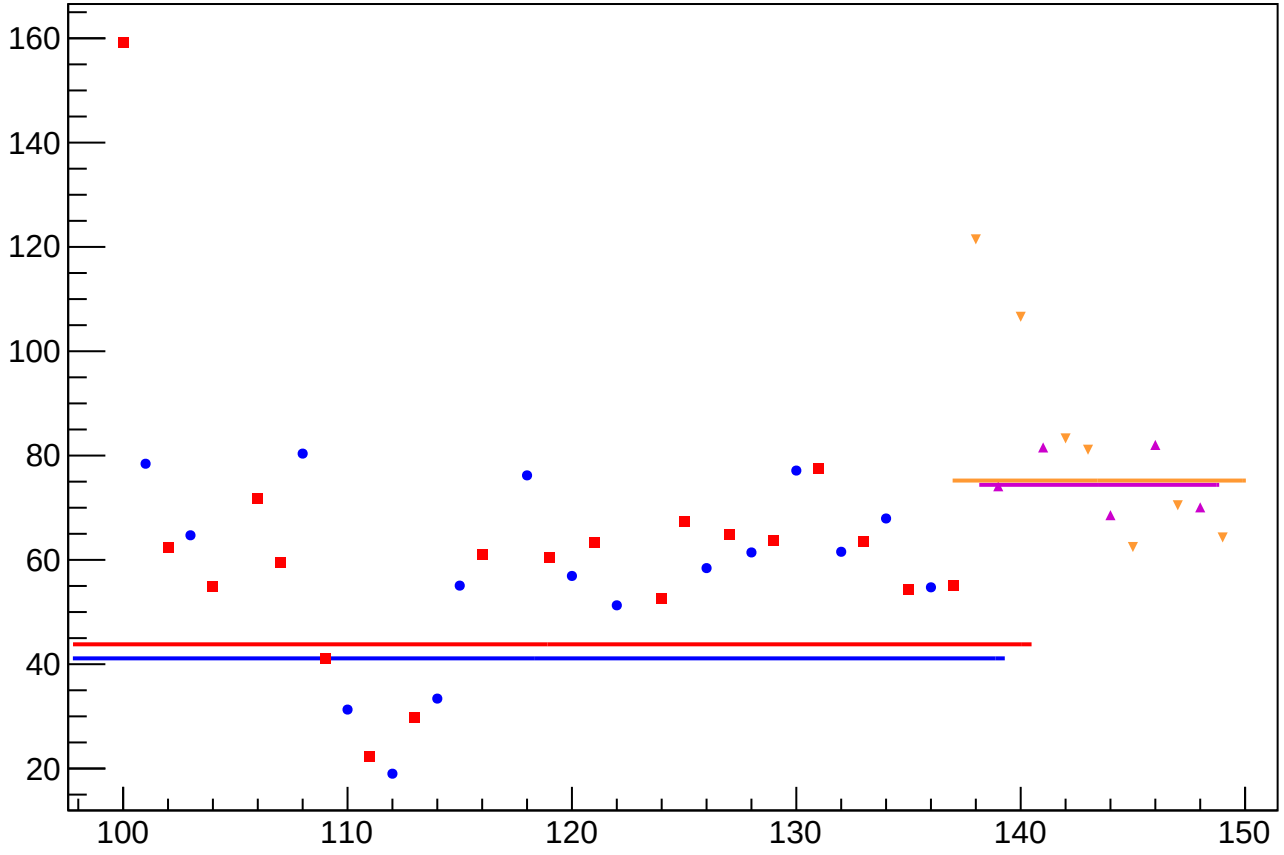
Left In: -0.057+/-0.037 χ^2/NDF:5.9/4

+ sign 0.029+/-0.016 χ^2/NDF: 29.5/22

All: 0.009+/-0.011 χ^2/NDF: 59.8/46

- 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: 75.209+/-0.024 χ^2/NDF:473481.1/6

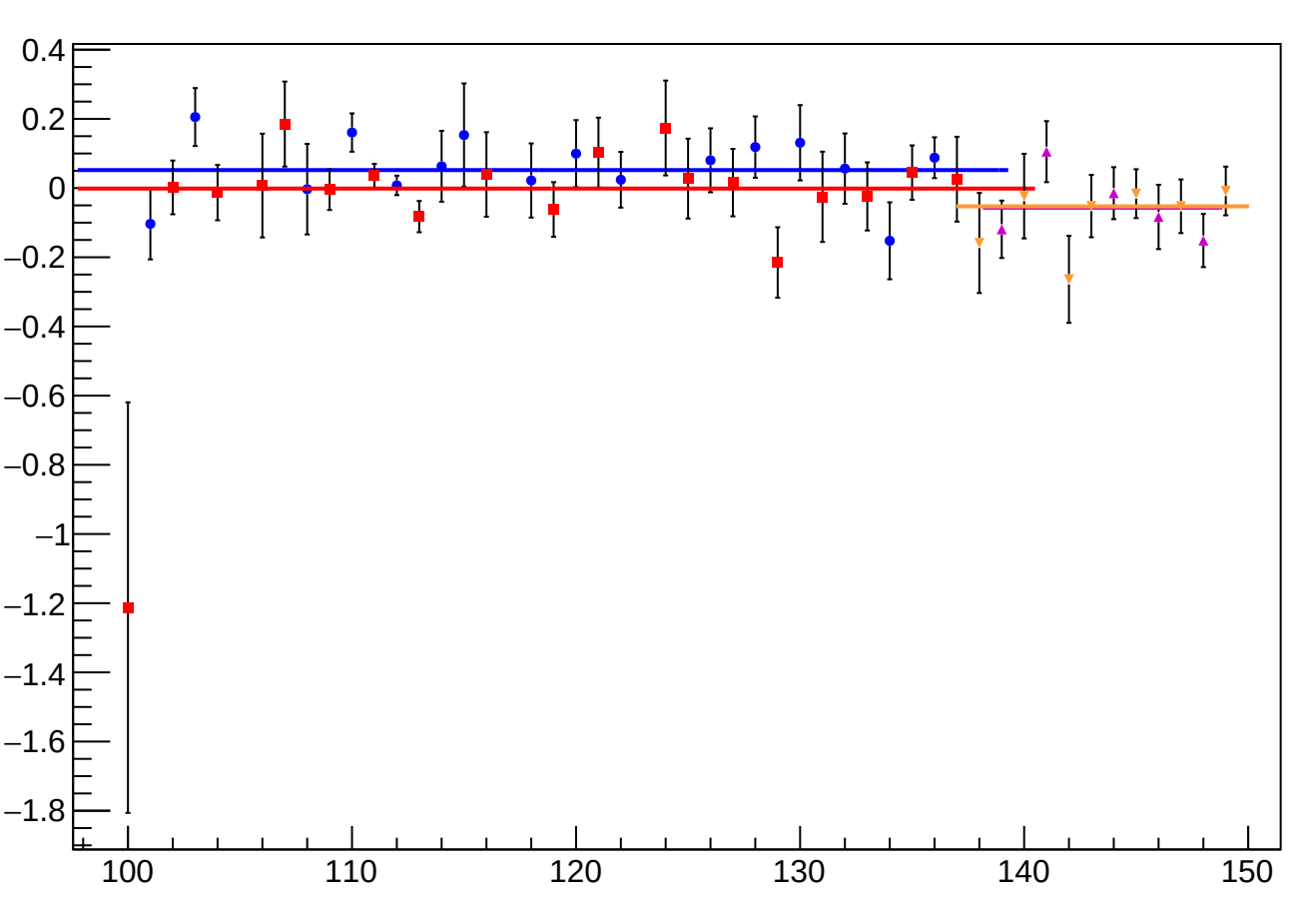
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 74.394+/-0.026 χ^2/NDF:45084.5/4

+ sign 48.462+/-0.011 χ^2/NDF: 4984048.7/22

All: 49.049+/-0.008 χ^2/NDF: 8197009.1/46

- 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: -0.053+/-0.034 χ^2/NDF:4.1/6

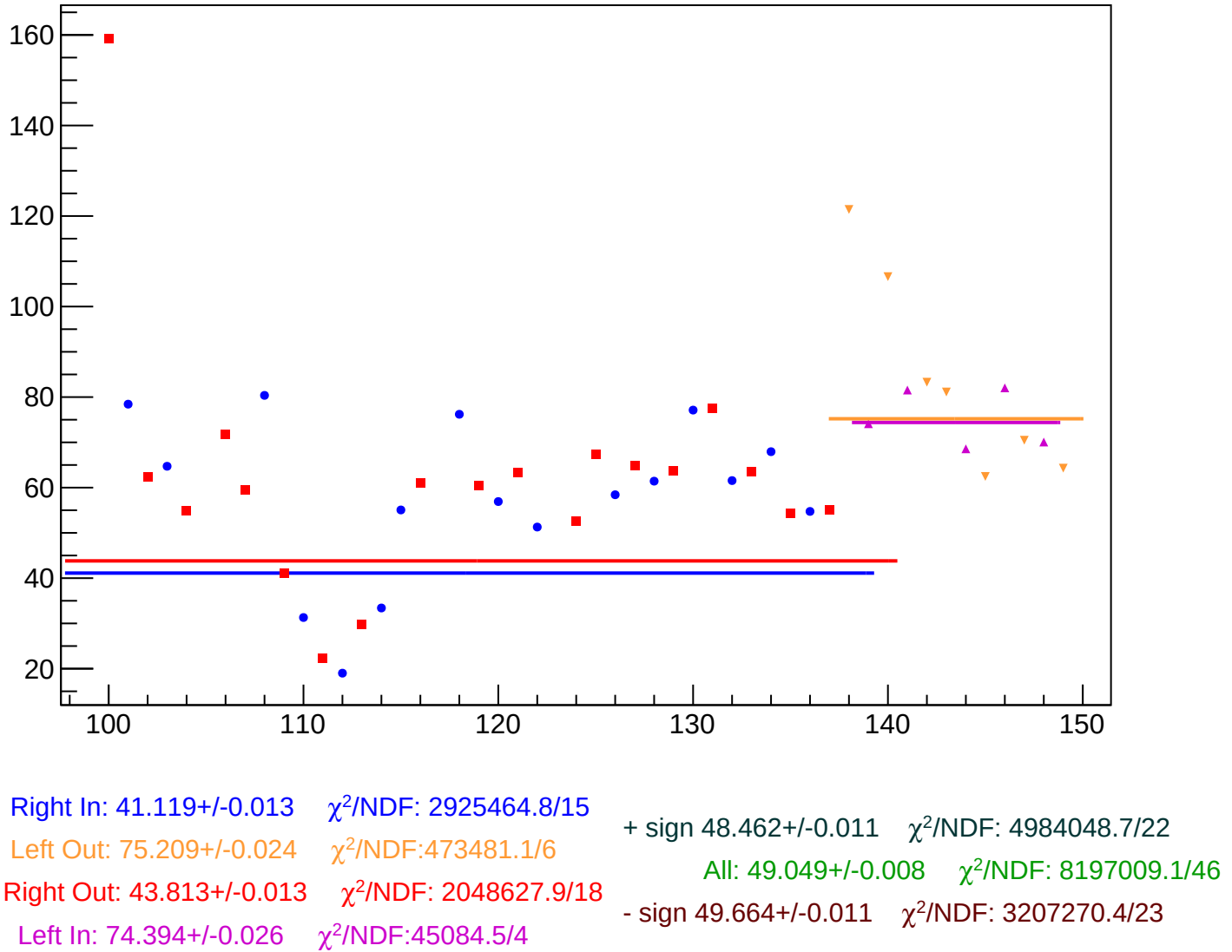
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

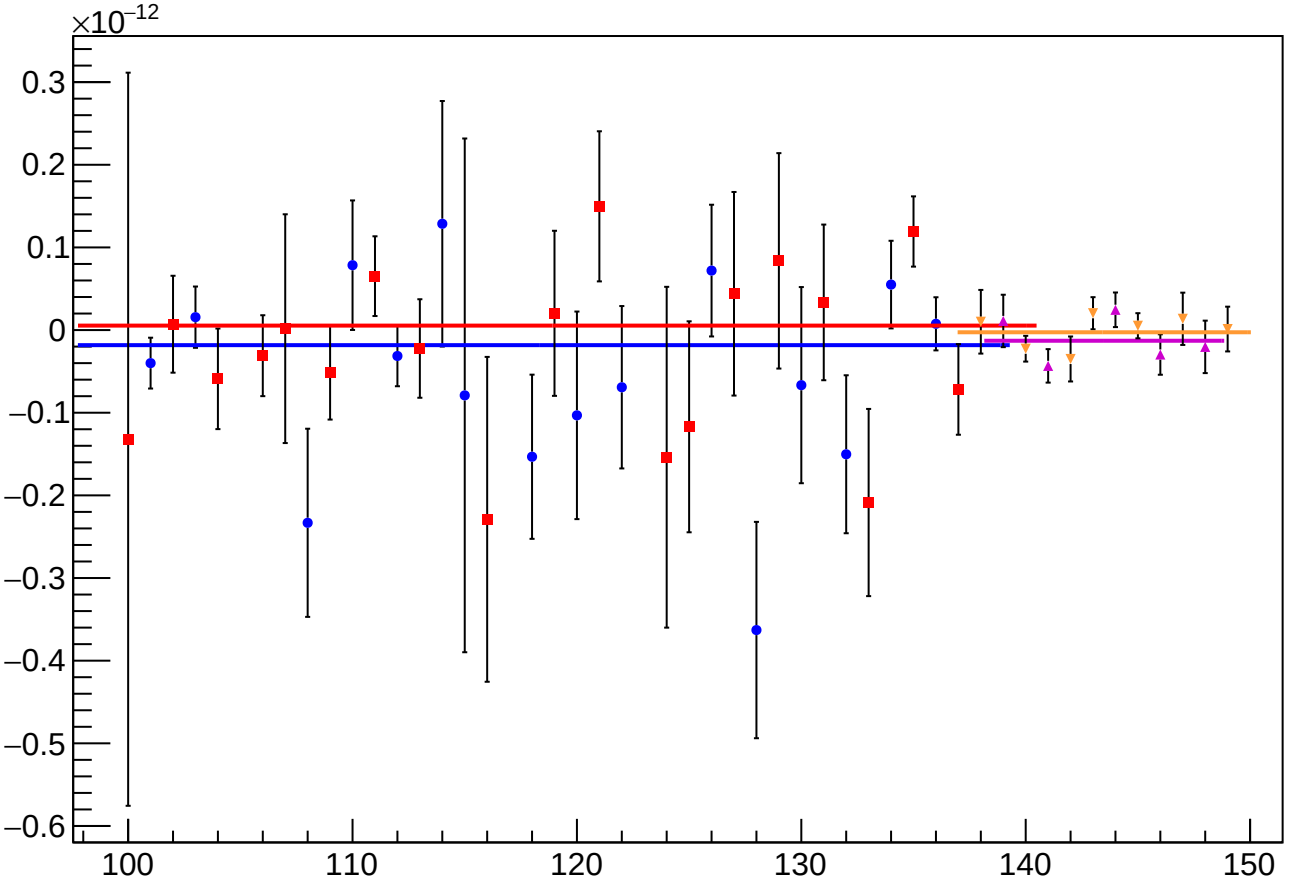
Left In: -0.057+/-0.037 χ^2/NDF:5.9/4

+ sign 0.029+/-0.016 χ^2/NDF: 29.5/22

All: 0.009+/-0.011 χ^2/NDF: 59.8/46

- sign -0.012+/-0.016 χ^2/NDF: 26.9/23


asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
160
140
120
100
80
60
40
20
100
110
120
130
140
150
Right In: 41.119+/-0.013 χ²/NDF: 2925464.8/15
Left Out: 75.209+/-0.024 χ²/NDF:473481.1/6
Right Out: 43.813+/-0.013 χ²/NDF: 2048627.9/18
Left In: 74.394+/-0.026 χ²/NDF:45084.5/4
+ sign 48.462+/-0.011 χ²/NDF: 4984048.7/22
All: 49.049+/-0.008 χ²/NDF: 8197009.1/46
- sign 49.664+/-0.011 χ²/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:5.1/6

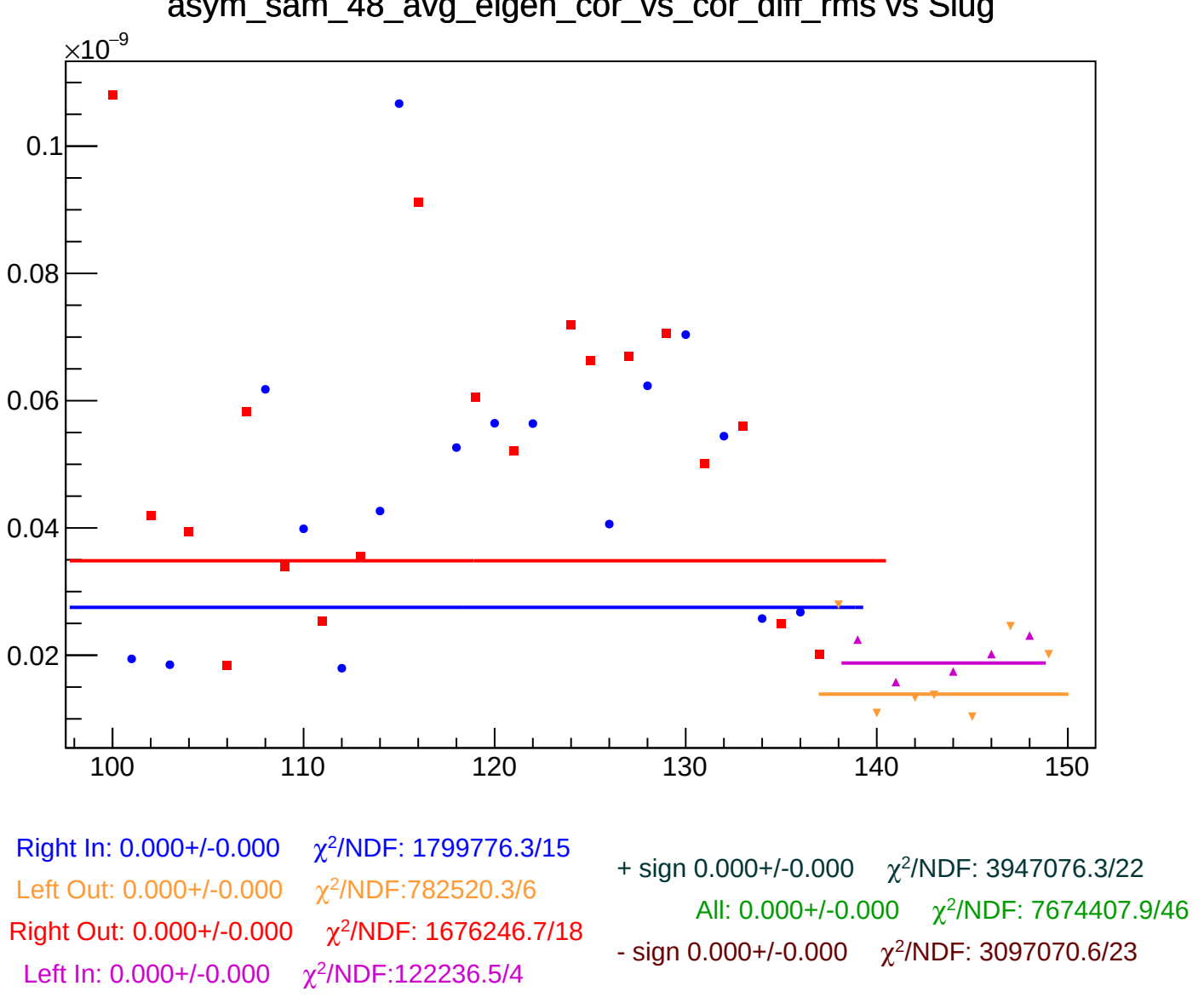
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/4

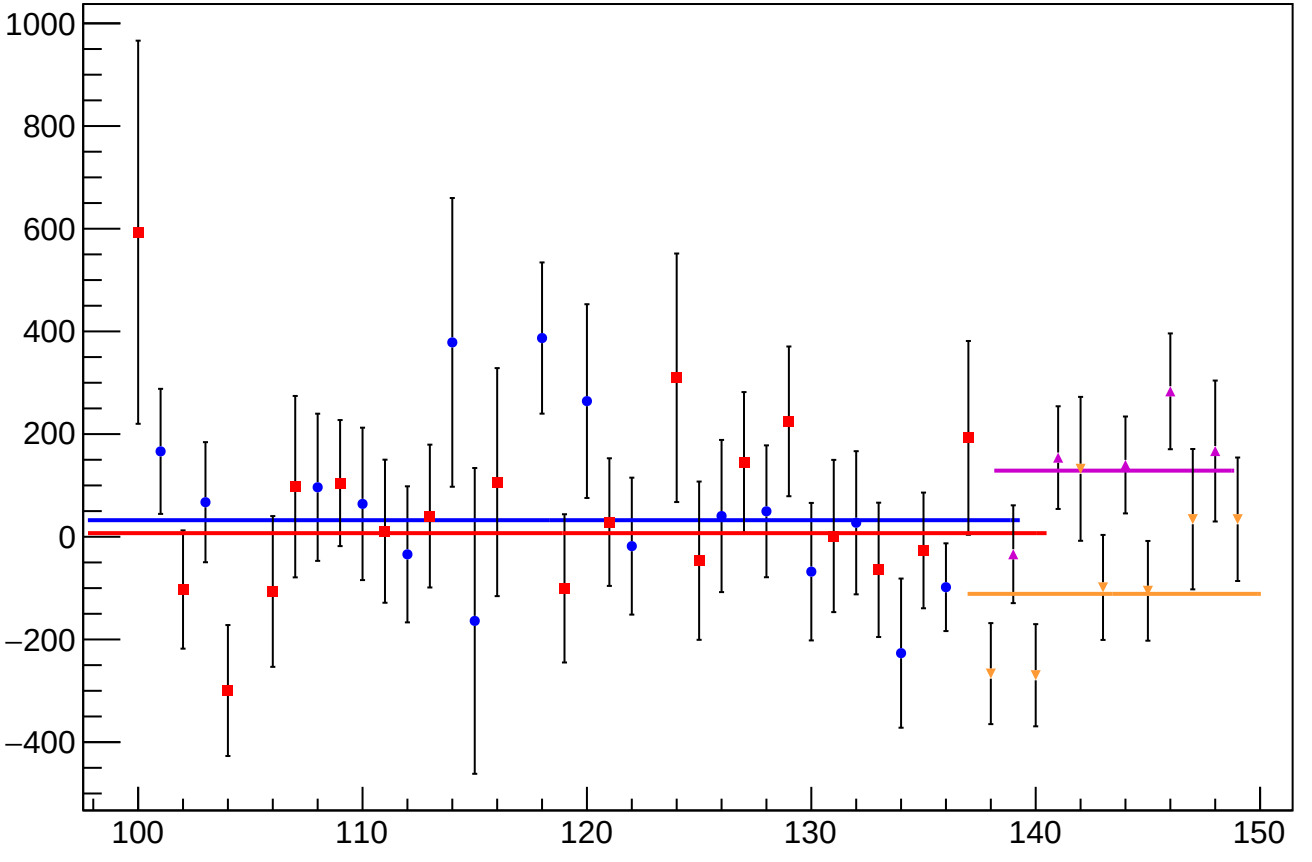
+ sign -0.000+/-0.000 χ^2/NDF: 29.0/22

All: -0.000+/-0.000 χ^2/NDF: 59.7/46

- sign -0.000+/-0.000 χ^2/NDF: 30.7/23


asym_sam_48_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: 1799776.3/15
Left Out: 0.000+/-0.000 χ²/NDF:782520.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 1676246.7/18
Left In: 0.000+/-0.000 χ²/NDF:122236.5/4
+ sign 0.000+/-0.000 χ²/NDF: 3947076.3/22
All: 0.000+/-0.000 χ²/NDF: 7674407.9/46
- sign 0.000+/-0.000 χ²/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: -111.182+/-41.539 χ^2/NDF:10.7/6

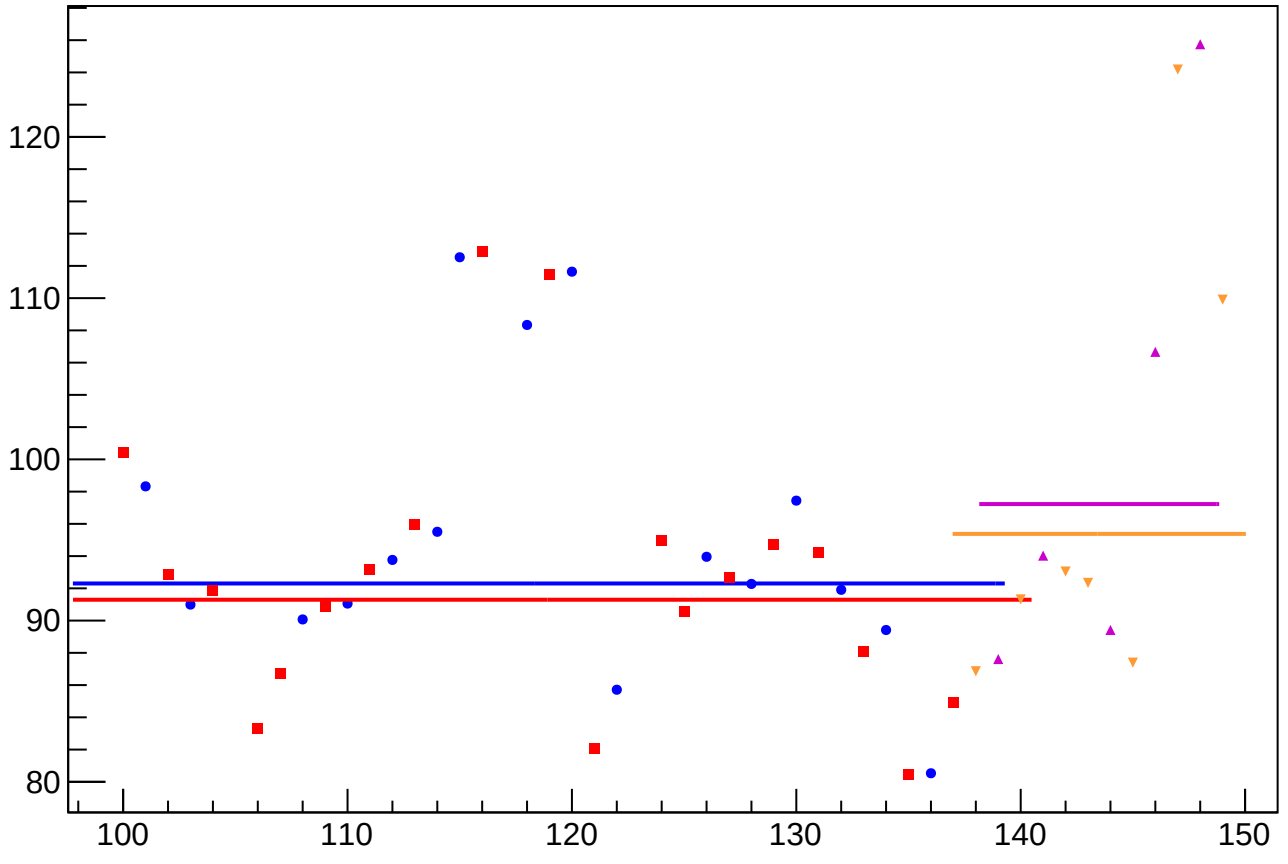
Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: 128.831+/-46.921 χ^2/NDF:5.0/4

+ sign -26.129+/-26.508 χ^2/NDF: 35.0/22

All: 9.976+/-18.991 χ^2/NDF: 66.0/46

- sign 48.050+/-27.221 χ^2/NDF: 27.2/23



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 95.378+/-0.029 χ^2/NDF:152177.0/6

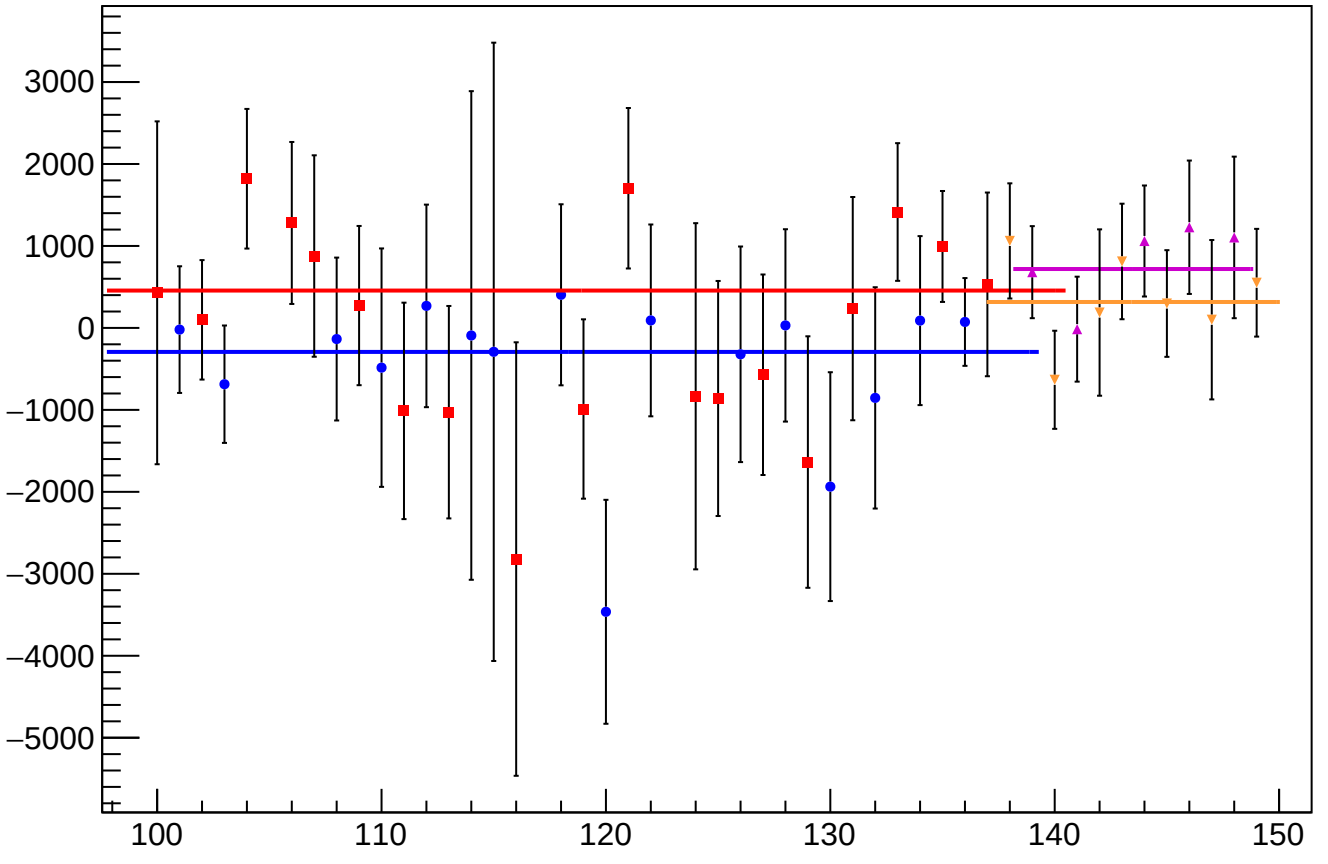
Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 97.228+/-0.033 χ^2/NDF:136470.7/4

+ sign 93.555+/-0.019 χ^2/NDF: 265742.0/22

All: 93.426+/-0.013 χ^2/NDF: 528631.5/46

- 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: 316.415+/-271.807 χ^2/NDF:4.3/6

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

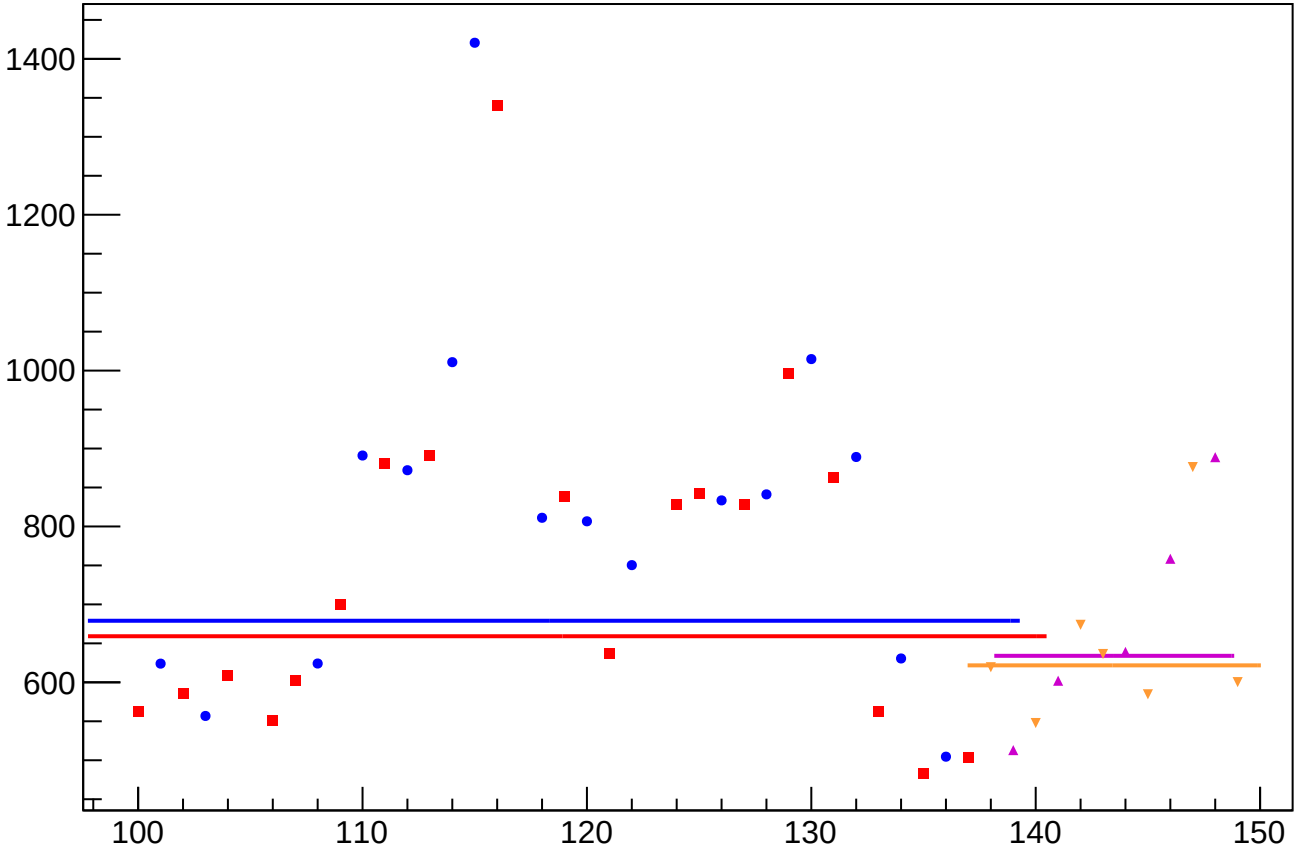
Left In: 718.667+/-311.125 χ^2/NDF:2.1/4

\+ sign -2.048+/-187.767 χ^2/NDF: 15.8/22

All: 268.593+/-135.012 χ^2/NDF: 39.5/46

\- 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: 621.766+/-0.192 χ^2/NDF:182326.1/6

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

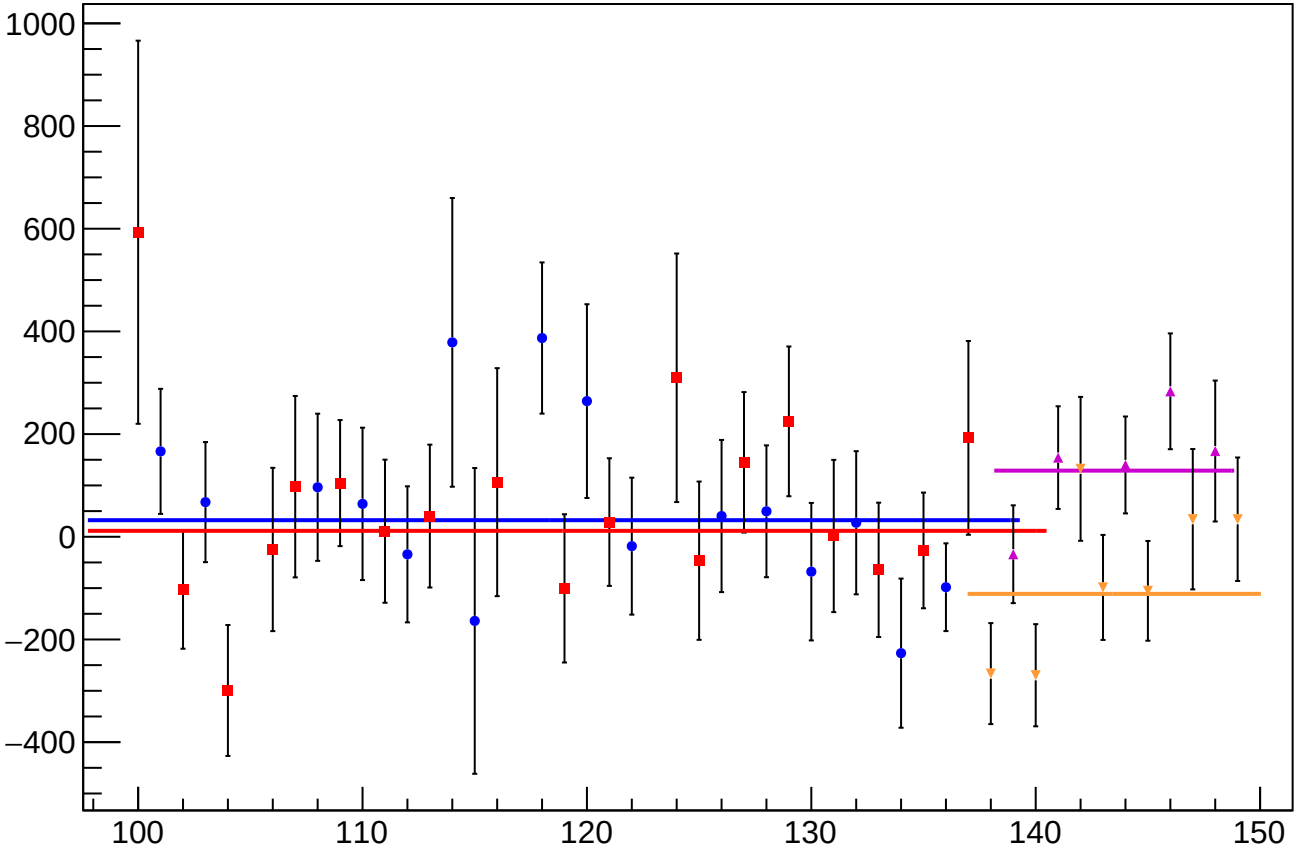
Left In: 634.010+/-0.220 χ^2/NDF:278571.2/4

+ sign 651.688+/-0.133 χ^2/NDF: 996674.3/22

All: 650.553+/-0.095 χ^2/NDF: 2079230.7/46

- 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: -111.185+/-41.539 χ^2/NDF:10.7/6

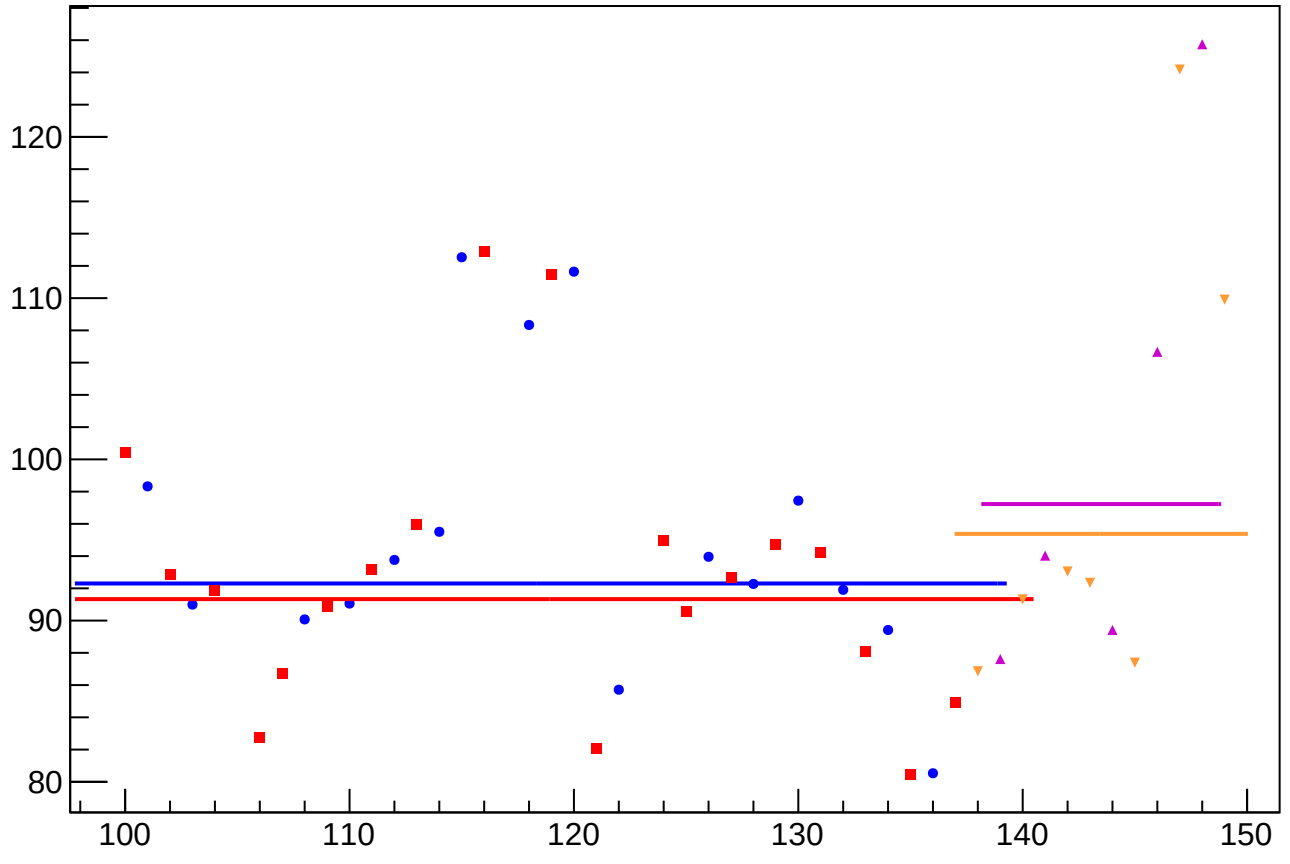
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 128.833+/-46.921 χ^2/NDF:5.0/4

+ sign -26.122+/-26.508 χ^2/NDF: 35.0/22

All: 11.435+/-19.014 χ^2/NDF: 65.5/46

- sign 51.242+/-27.290 χ^2/NDF: 26.3/23



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 95.378+/-0.029 χ^2/NDF:152177.0/6

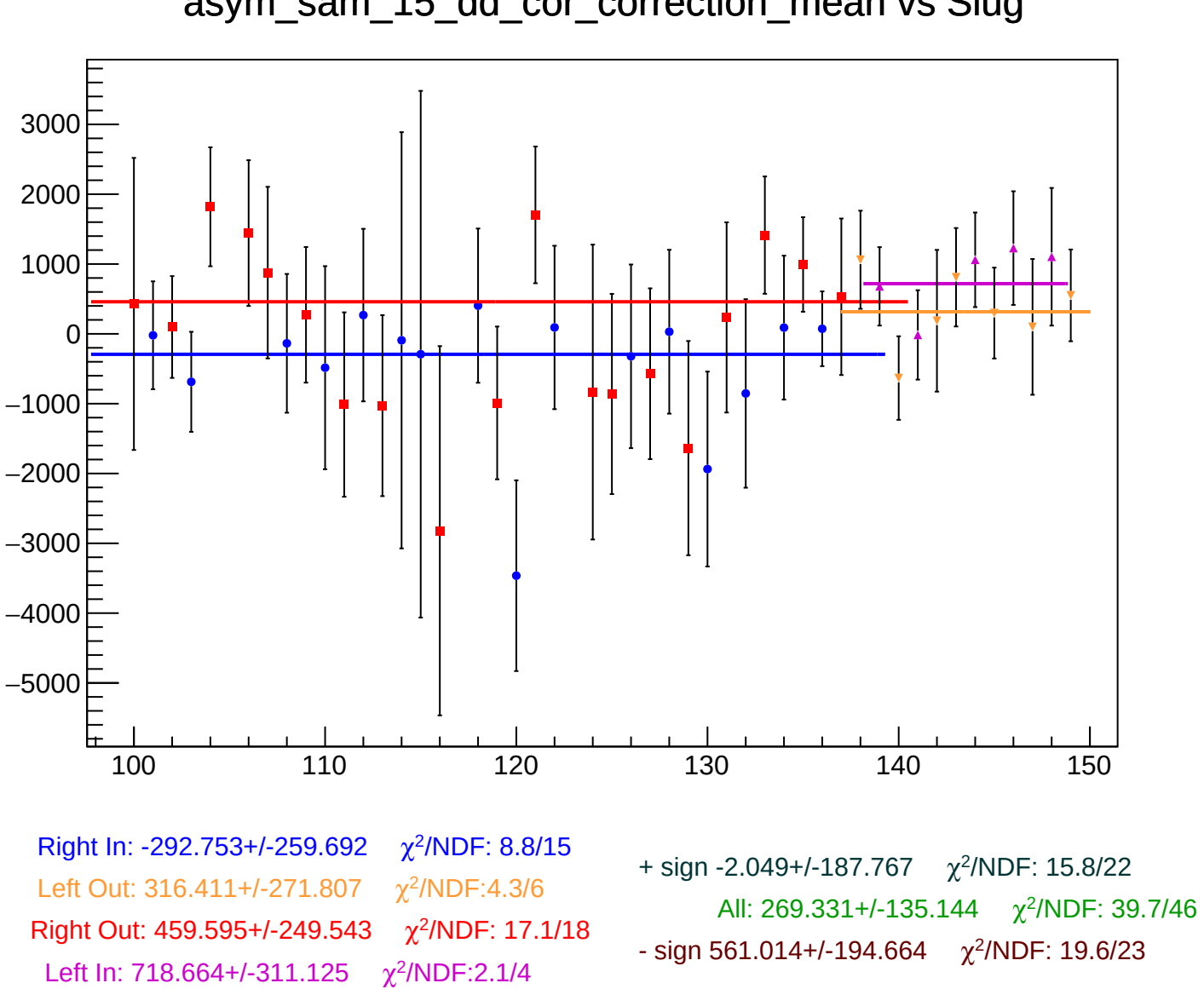
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 97.228+/-0.033 χ^2/NDF:136470.7/4

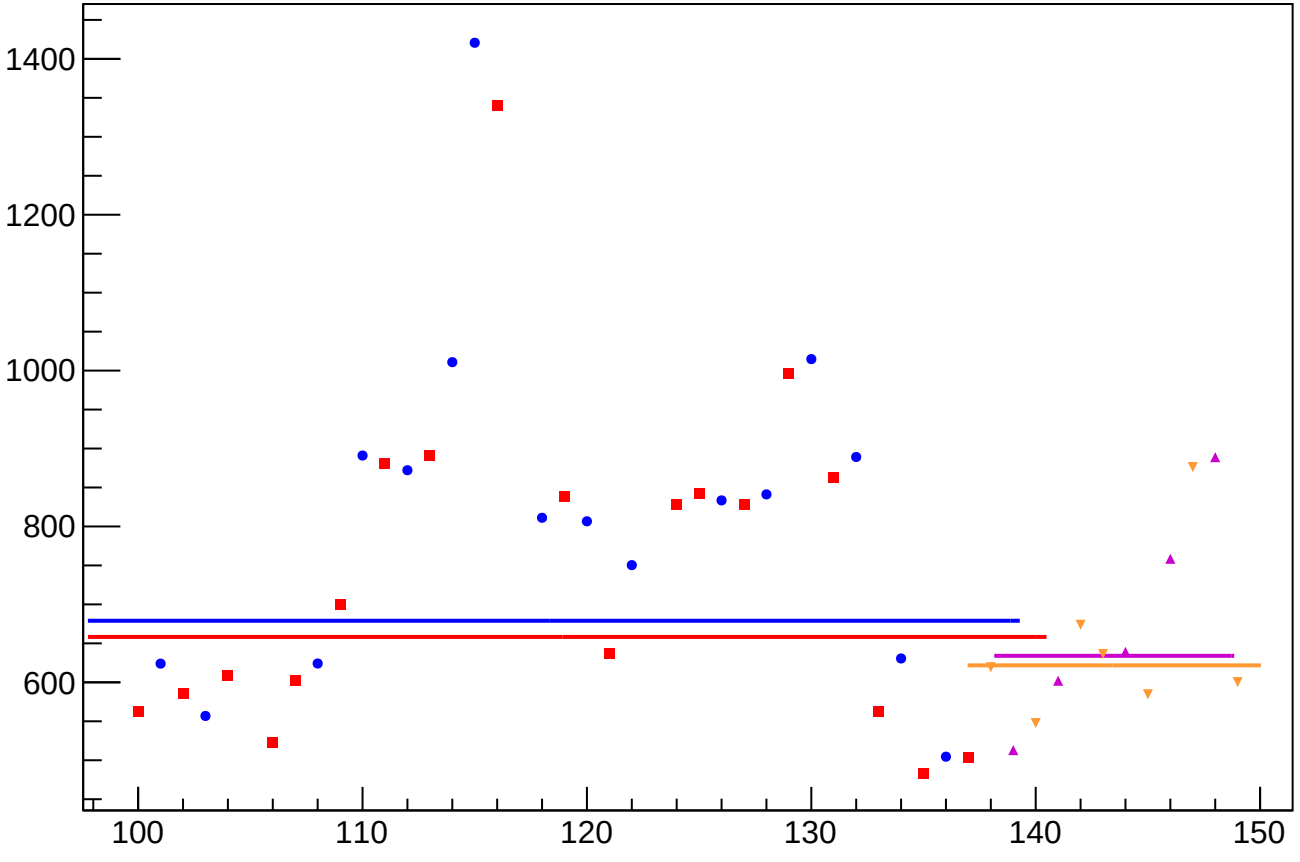
+ sign 93.555+/-0.019 χ^2/NDF: 265742.0/22

All: 93.444+/-0.013 χ^2/NDF: 528101.3/46

- sign 93.327+/-0.019 χ^2/NDF: 262287.3/23


asym_sam_15_dd_cor_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
100
110
120
130
140
150
Right In: -292.753+/-259.692 χ²/NDF: 8.8/15
Left Out: 316.411+/-271.807 χ²/NDF:4.3/6
Right Out: 459.595+/-249.543 χ²/NDF: 17.1/18
Left In: 718.664+/-311.125 χ²/NDF:2.1/4
+ sign -2.049+/-187.767 χ²/NDF: 15.8/22
All: 269.331+/-135.144 χ²/NDF: 39.7/46
- sign 561.014+/-194.664 χ²/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: 621.766+/-0.192 χ^2/NDF:182326.3/6

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

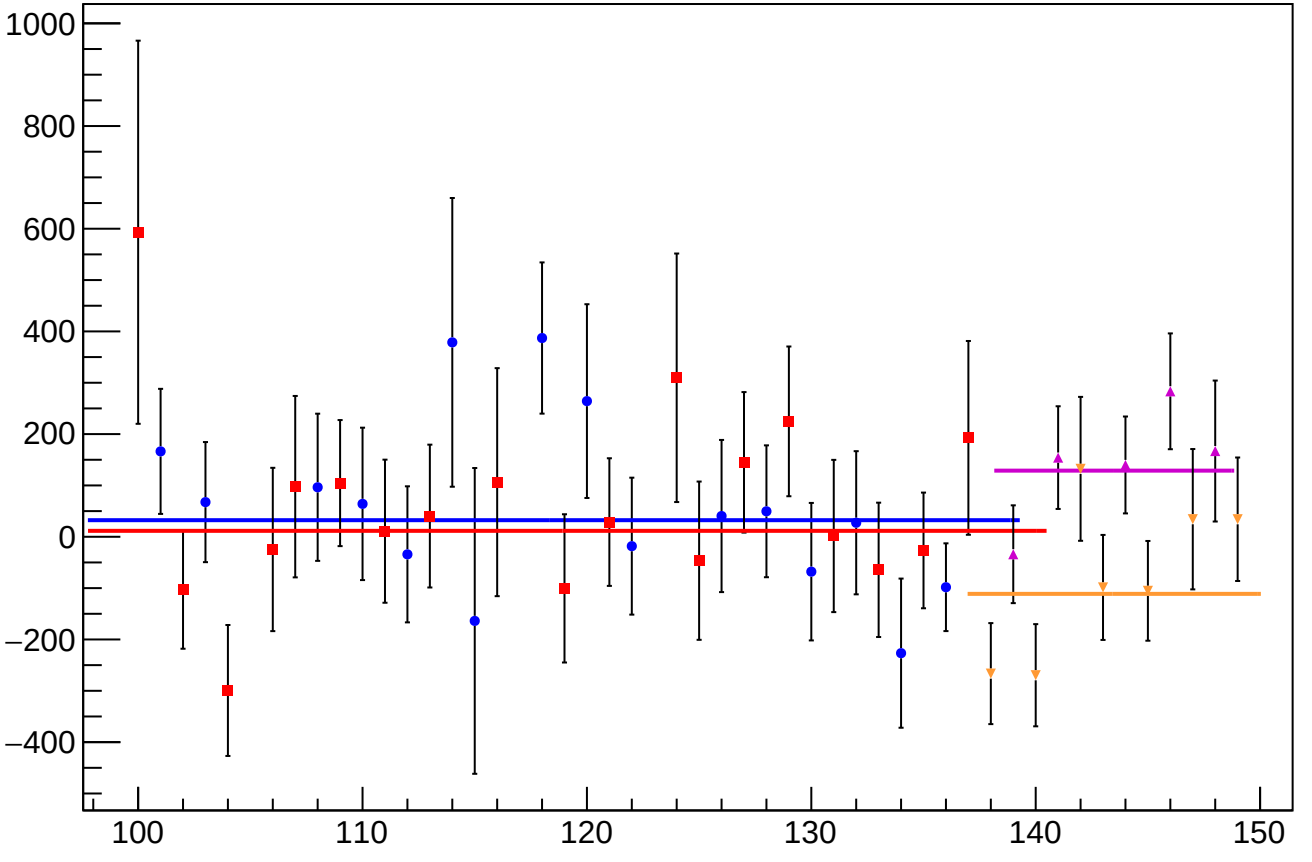
Left In: 634.010+/-0.220 χ^2/NDF:278571.2/4

+ sign 651.688+/-0.133 χ^2/NDF: 996675.8/22

All: 650.281+/-0.096 χ^2/NDF: 2088772.9/46

- 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: -111.185+/-41.539 χ^2/NDF:10.7/6

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

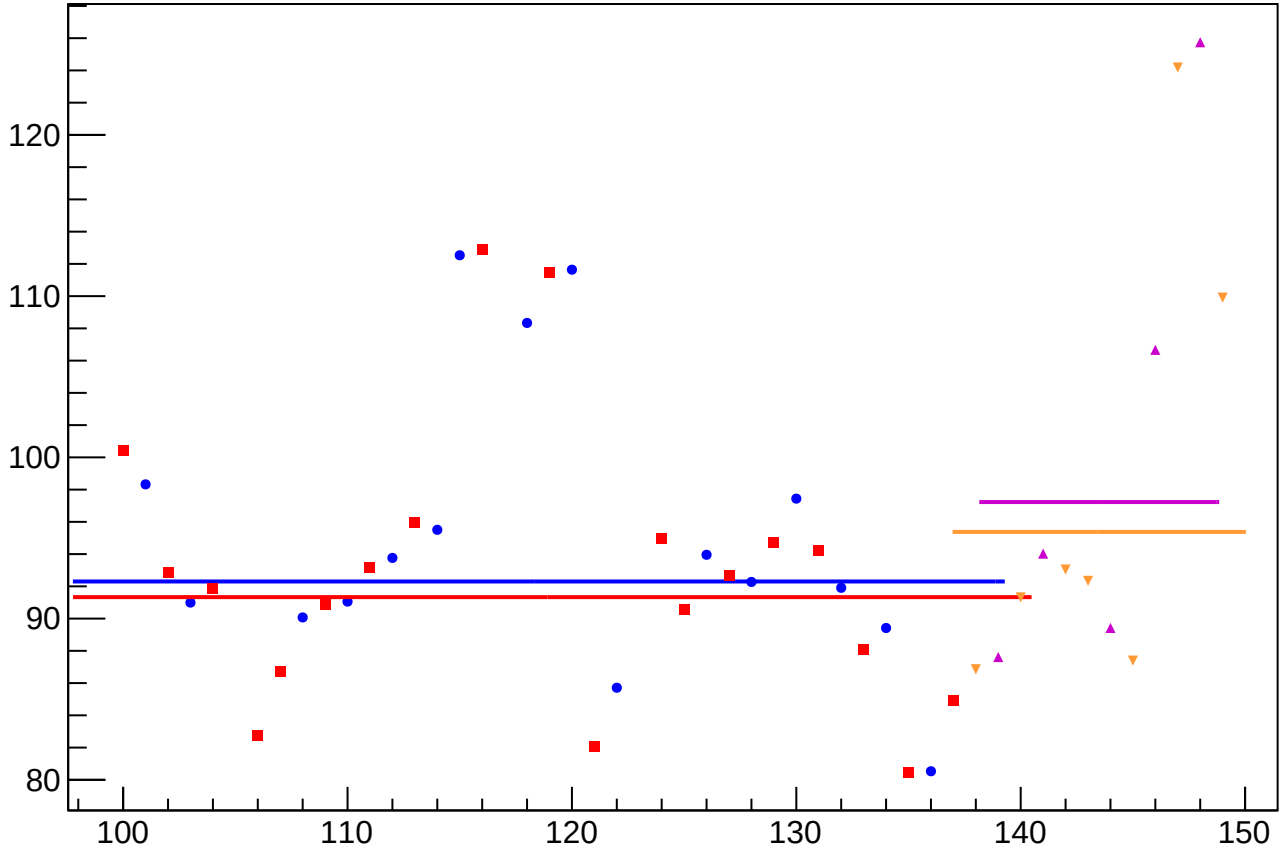
Left In: 128.833+/-46.921 χ^2/NDF:5.0/4

+ sign -26.122+/-26.508 χ^2/NDF: 35.0/22

All: 11.435+/-19.014 χ^2/NDF: 65.5/46

- 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: 95.378+/-0.029 χ^2/NDF:152177.0/6

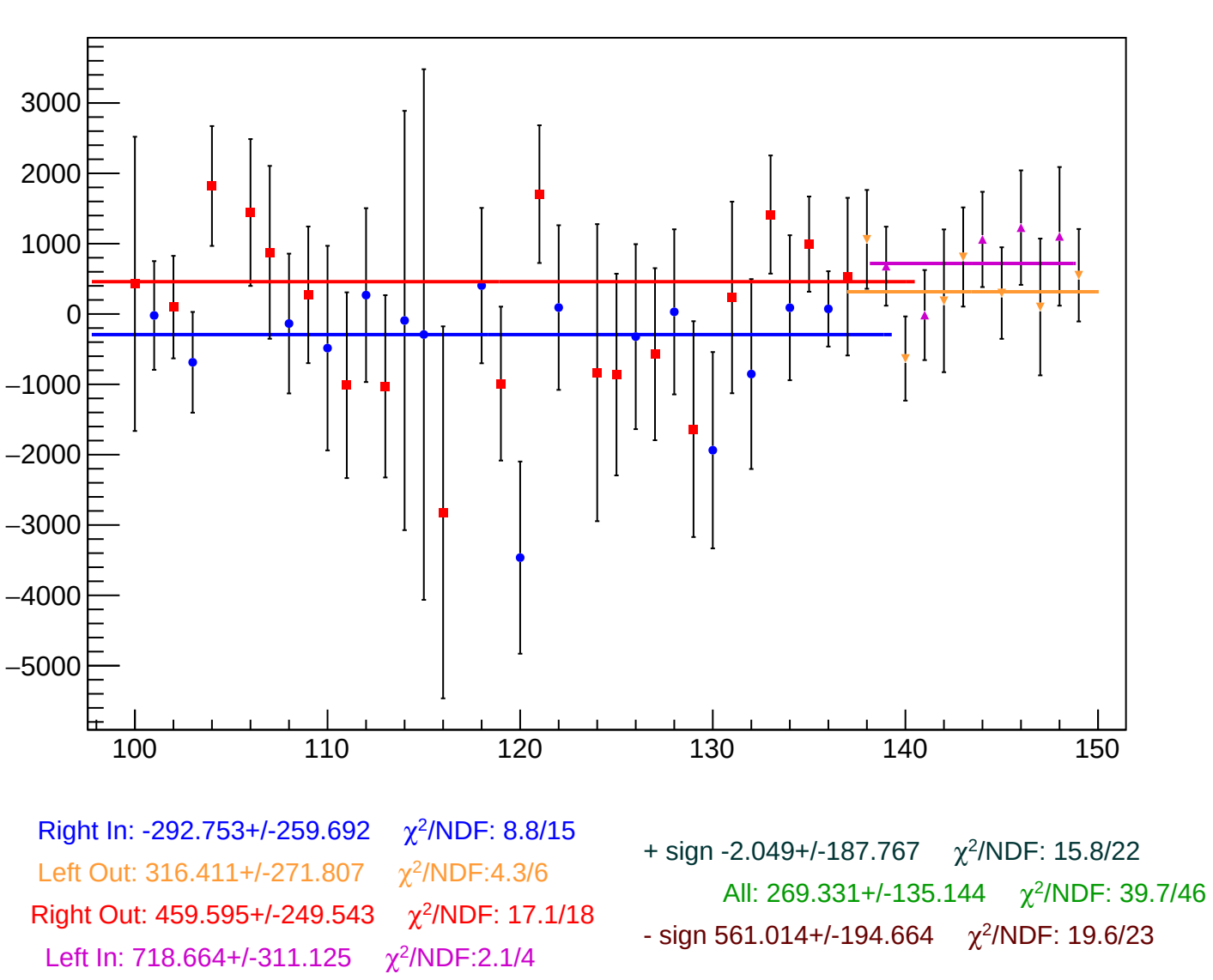
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

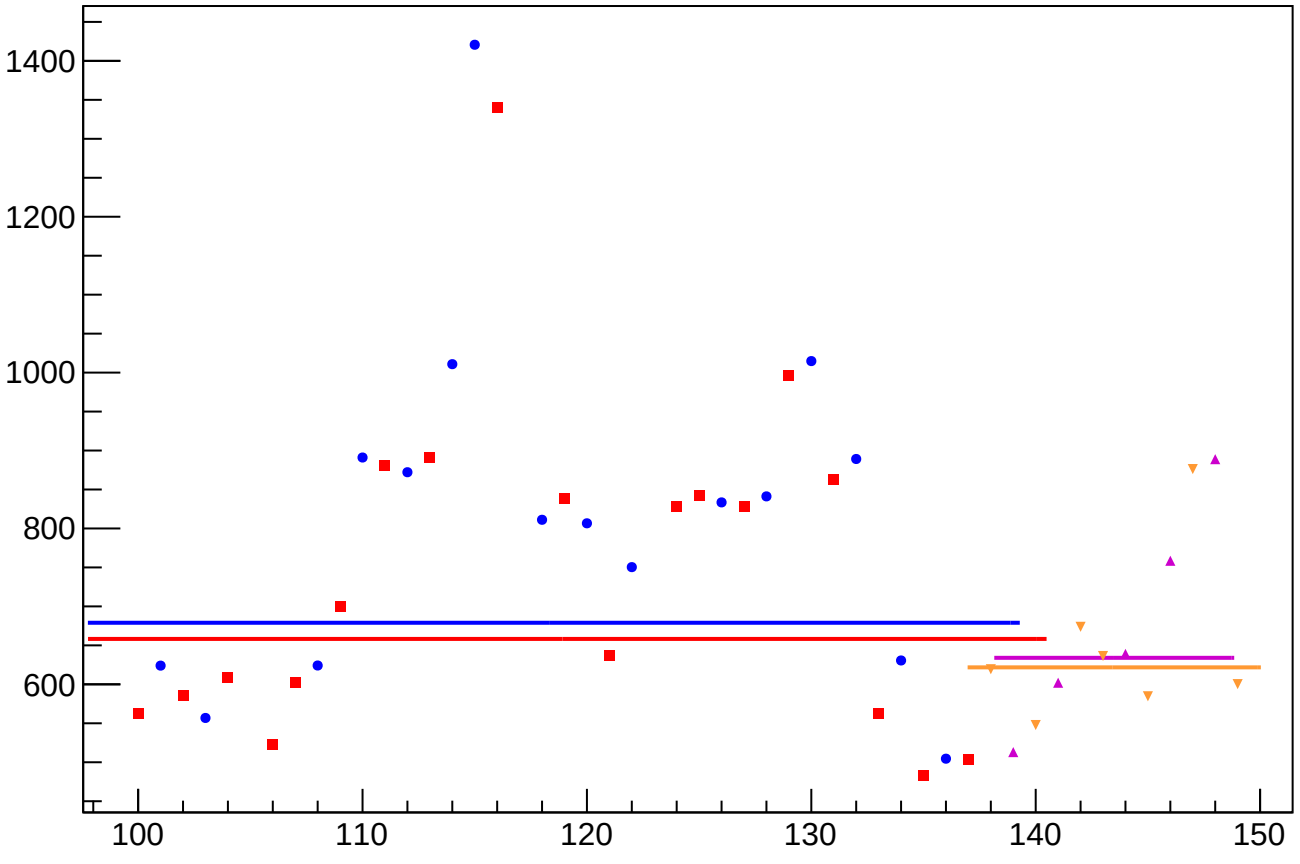
Left In: 97.228+/-0.033 χ^2/NDF:136470.7/4

+ sign 93.555+/-0.019 χ^2/NDF: 265742.0/22

All: 93.444+/-0.013 χ^2/NDF: 528101.3/46

- sign 93.327+/-0.019 χ^2/NDF: 262287.3/23


asym_sam_15_dd_eigen_cor_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
100
110
120
130
140
150
Right In: -292.753+/-259.692 χ²/NDF: 8.8/15
Left Out: 316.411+/-271.807 χ²/NDF:4.3/6
Right Out: 459.595+/-249.543 χ²/NDF: 17.1/18
Left In: 718.664+/-311.125 χ²/NDF:2.1/4
+ sign -2.049+/-187.767 χ²/NDF: 15.8/22
All: 269.331+/-135.144 χ²/NDF: 39.7/46
- sign 561.014+/-194.664 χ²/NDF: 19.6/23



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 621.766+/-0.192 χ^2/NDF:182326.3/6

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

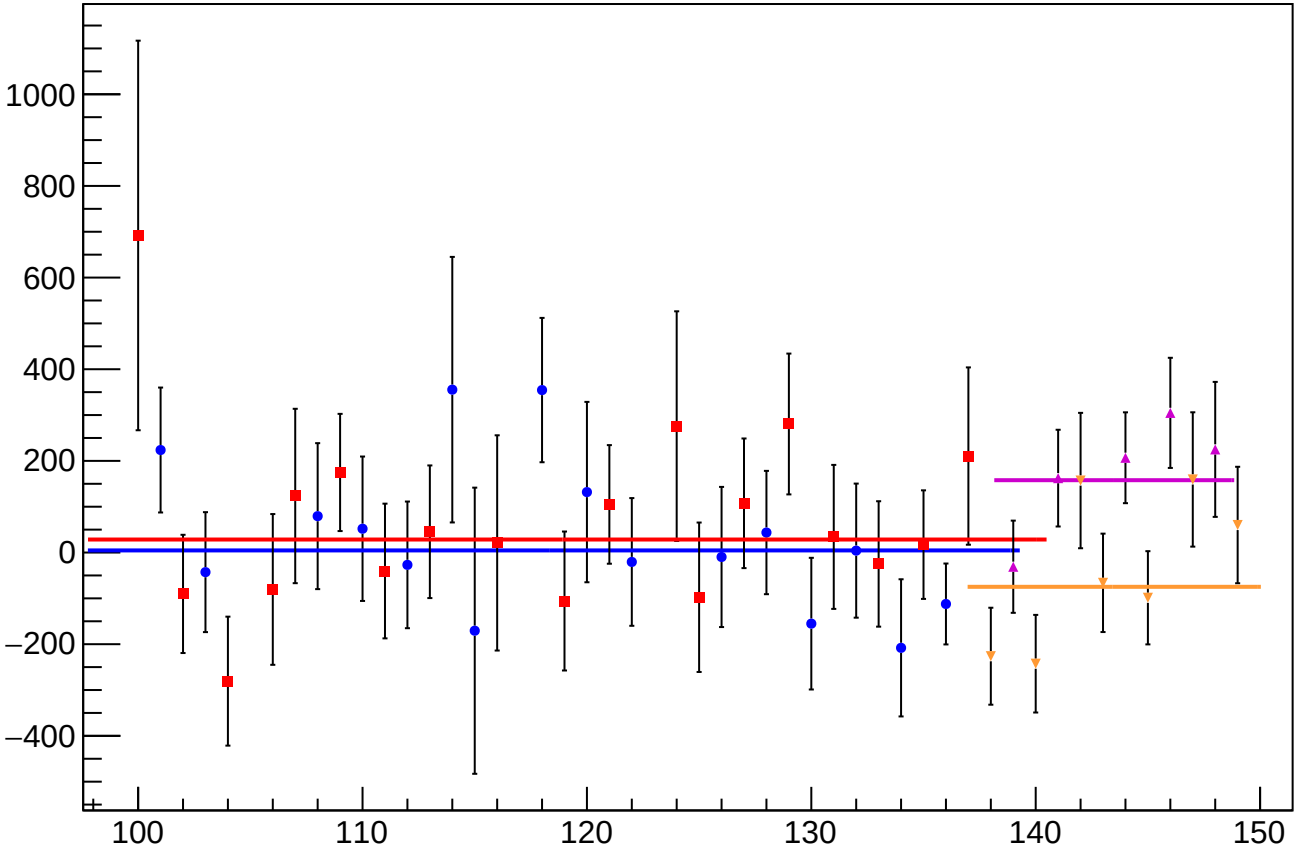
Left In: 634.010+/-0.220 χ^2/NDF:278571.2/4

\+ sign 651.688+/-0.133 χ^2/NDF: 996675.8/22

All: 650.281+/-0.096 χ^2/NDF: 2088772.9/46

\- sign 648.768+/-0.138 χ^2/NDF: 1091863.9/23

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -74.792+/-44.057 χ^2/NDF:10.7/6

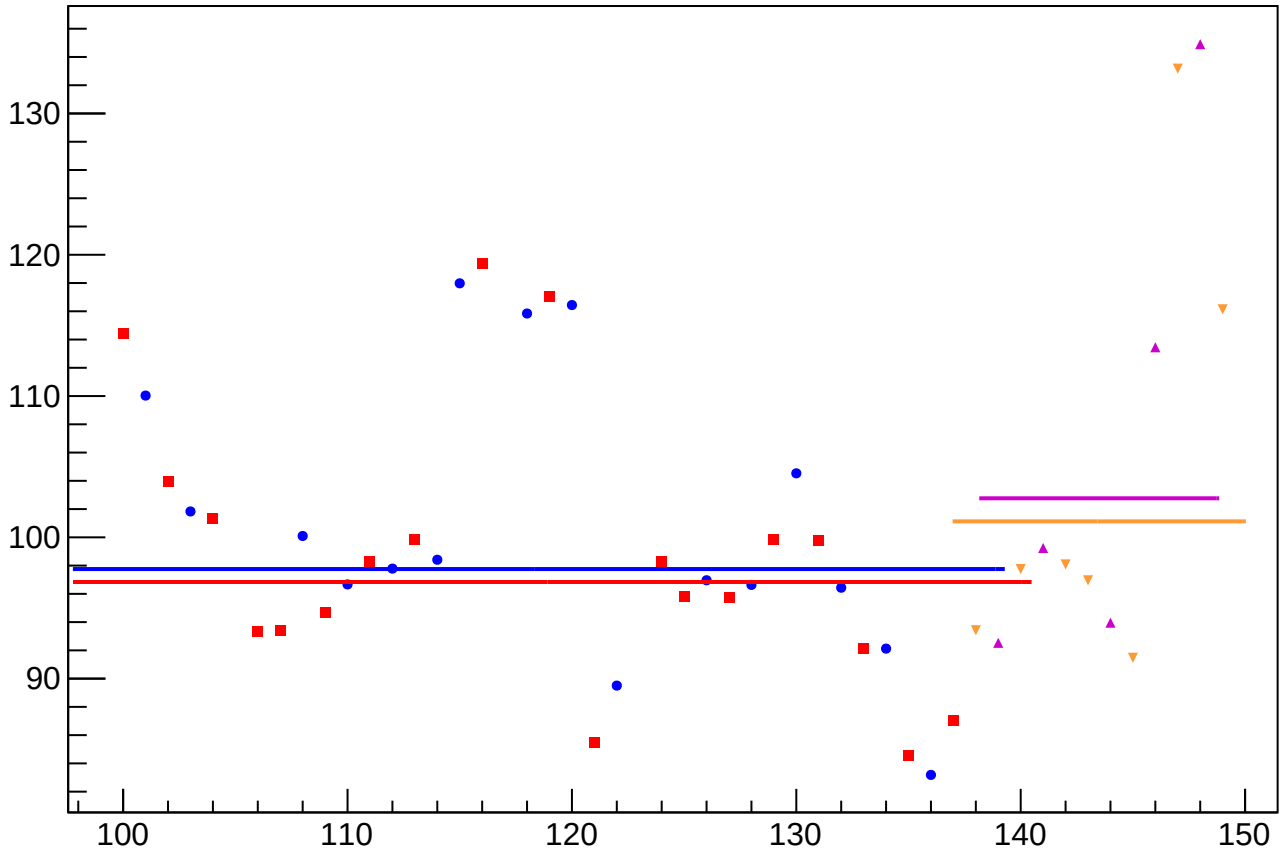
Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 157.865+/-49.648 χ^2/NDF:5.5/4

\+ sign -27.711+/-28.111 χ^2/NDF: 28.0/22

All: 20.908+/-20.137 χ^2/NDF: 61.2/46

\- sign 72.146+/-28.858 χ^2/NDF: 27.1/23



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 101.130+/-0.031 χ^2/NDF:158000.5/6

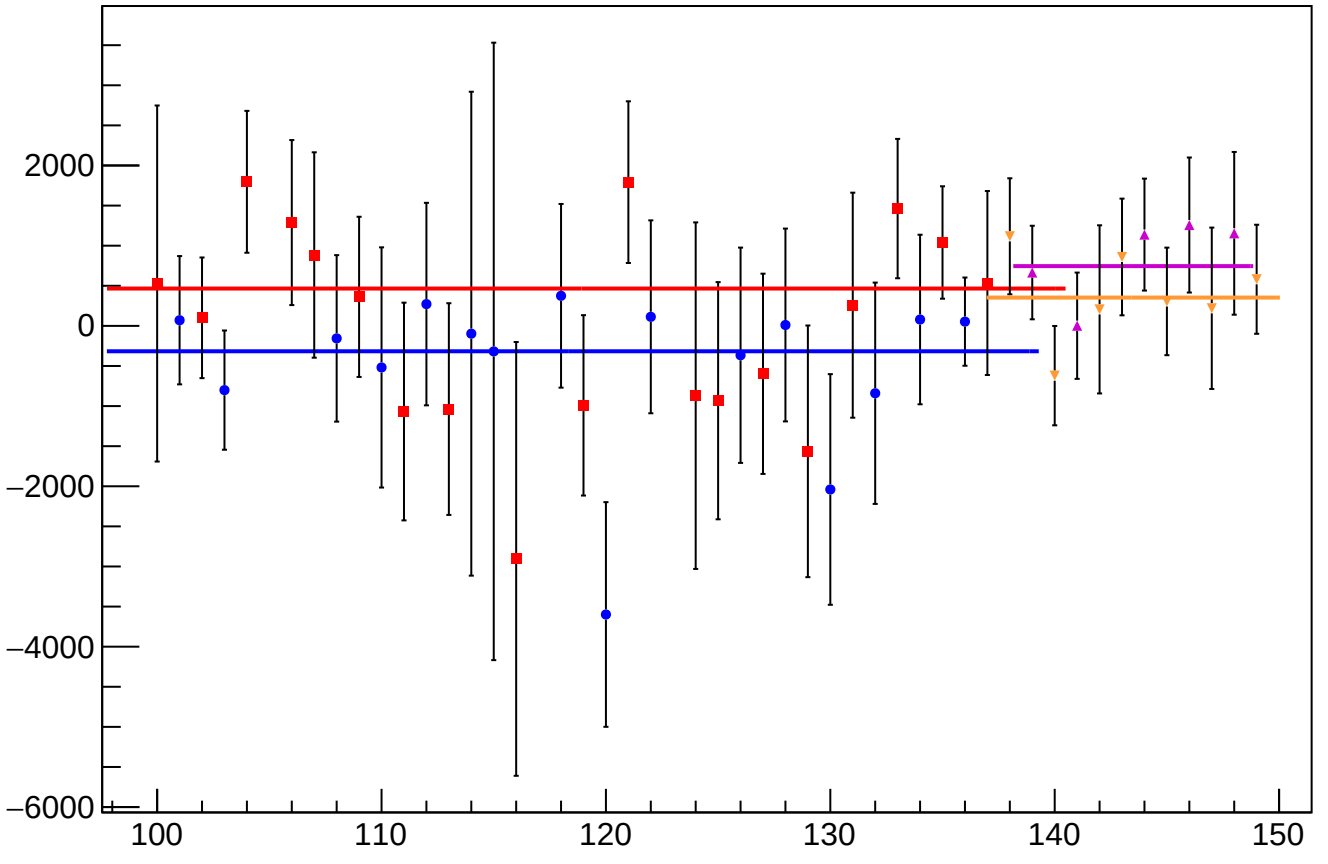
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 102.763+/-0.035 χ^2/NDF:149776.9/4

+ sign 99.130+/-0.020 χ^2/NDF: 305609.9/22

All: 98.989+/-0.014 χ^2/NDF: 589511.1/46

- sign 98.841+/-0.020 χ^2/NDF: 283798.6/23



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 353.010+/-280.691 χ^2/NDF:4.2/6

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

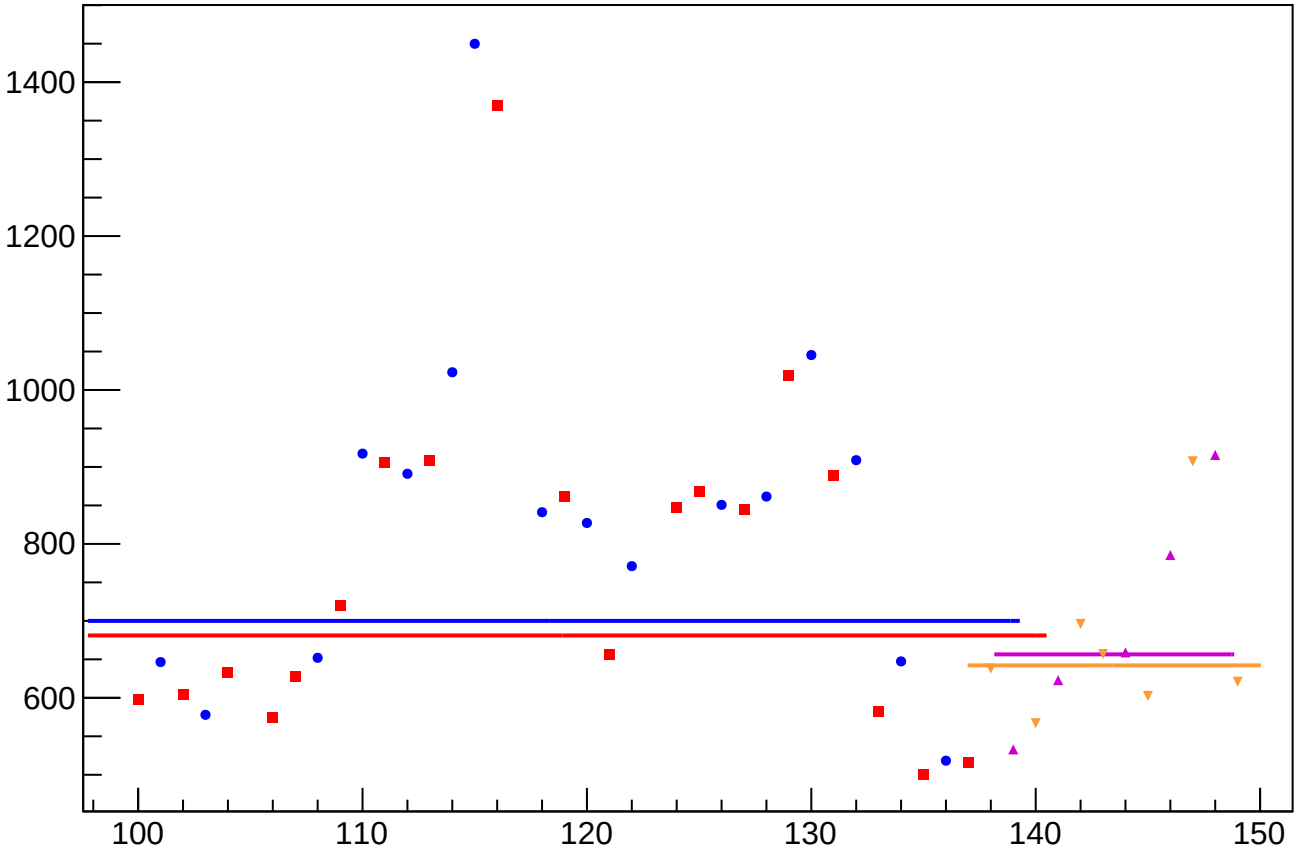
Left In: 745.172+/-321.849 χ^2/NDF:2.1/4

+ sign 2.135+/-193.652 χ^2/NDF: 16.4/22

All: 278.031+/-139.344 χ^2/NDF: 39.6/46

- 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: 642.168+/-0.198 χ^2/NDF:183528.4/6

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

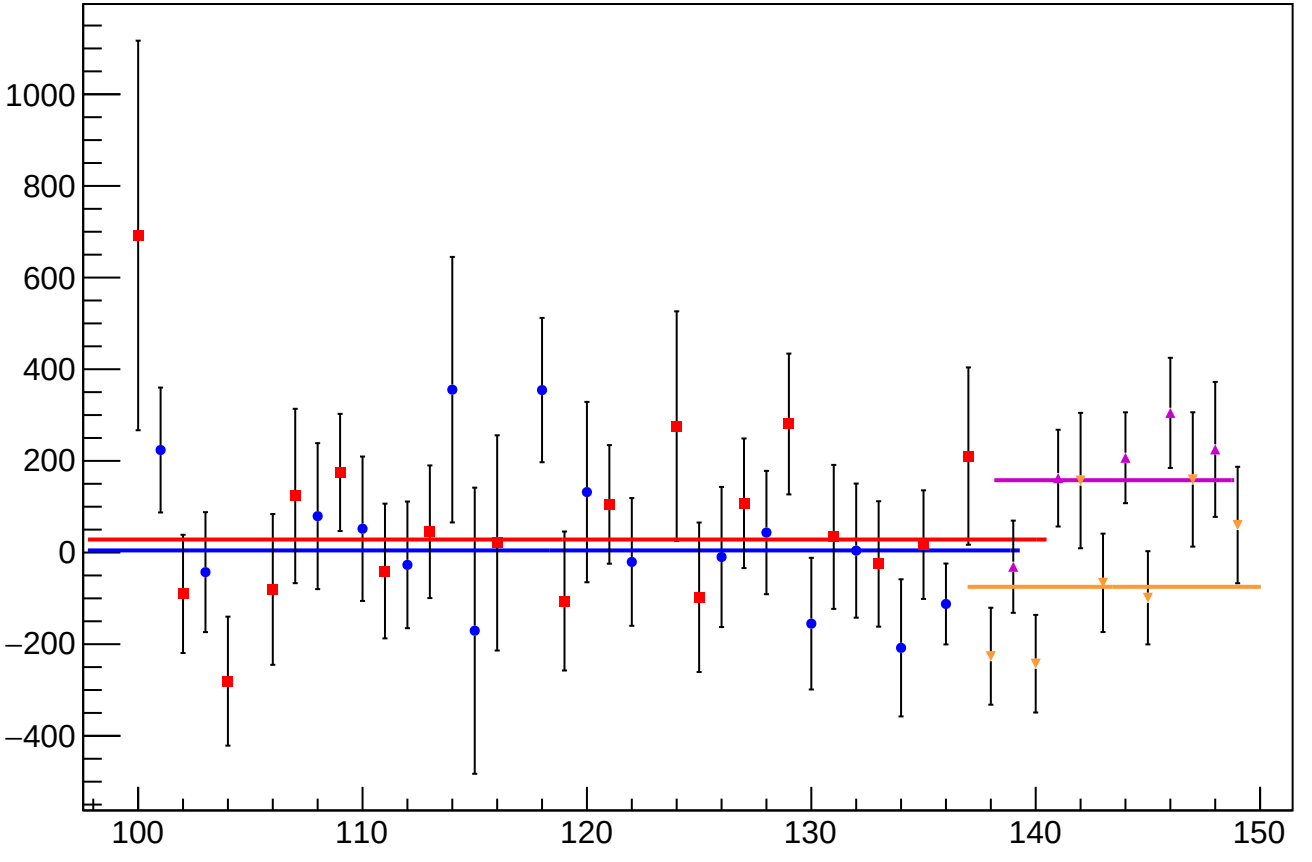
Left In: 656.478+/-0.228 χ^2/NDF:272273.7/4

+ sign 672.459+/-0.137 χ^2/NDF: 981641.0/22

All: 671.986+/-0.099 χ^2/NDF: 2030443.5/46

- sign 671.478+/-0.142 χ^2/NDF: 1048777.8/23

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -74.793+/-44.057 χ^2/NDF:10.7/6

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

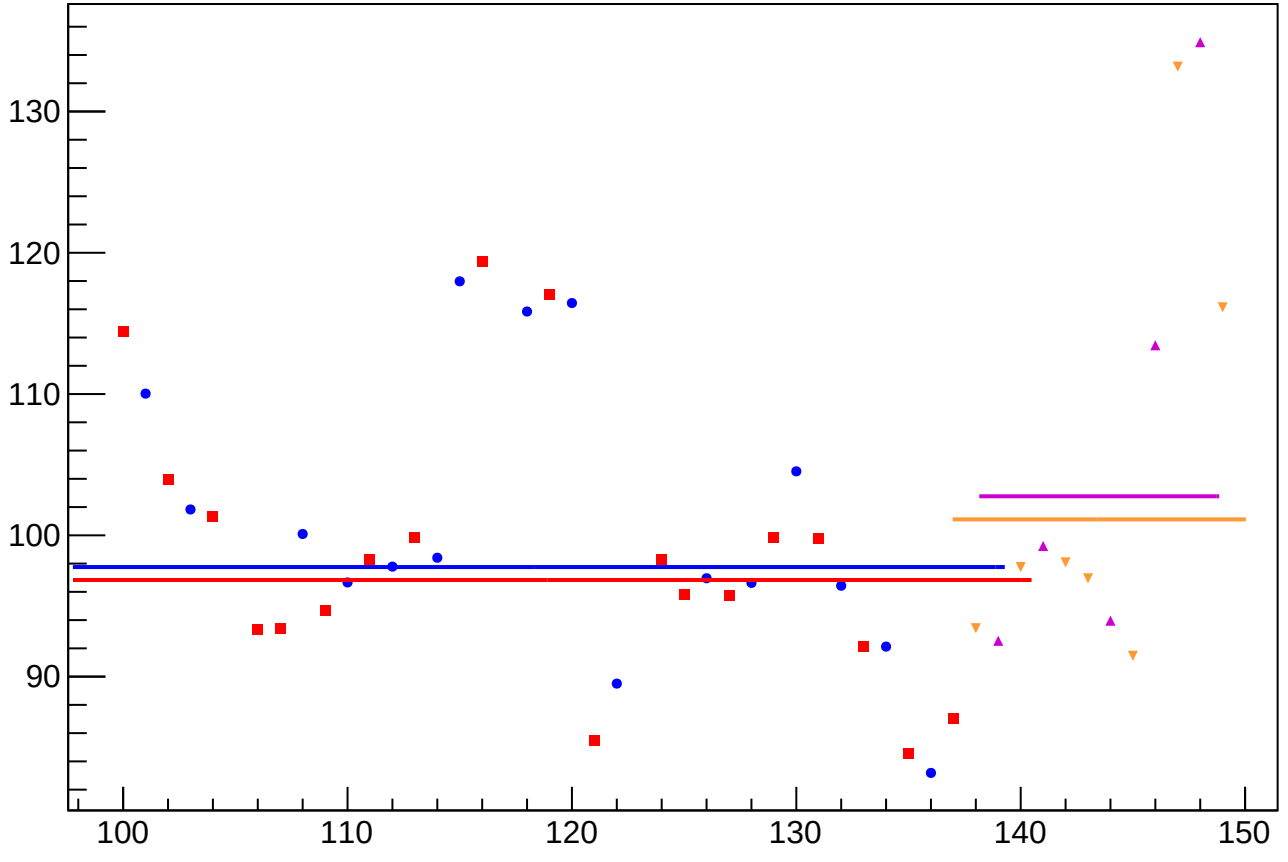
Left In: 157.866+/-49.648 χ^2/NDF:5.5/4

\+ sign -27.711+/-28.111 χ^2/NDF: 28.0/22

All: 20.909+/-20.137 χ^2/NDF: 61.2/46

\- 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: 101.130+/-0.031 χ^2/NDF:158001.7/6

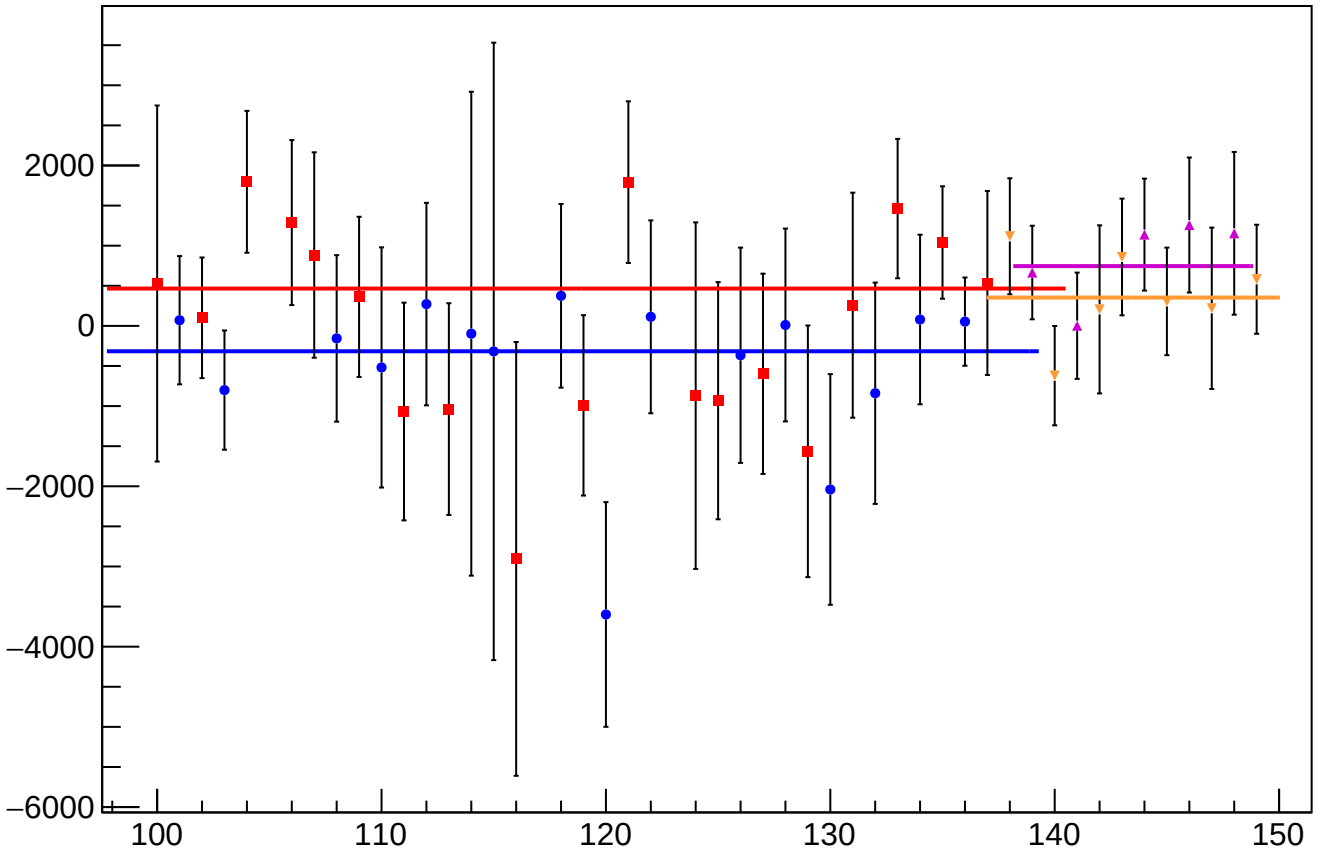
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 102.763+/-0.035 χ^2/NDF:149777.4/4

+ sign 99.130+/-0.020 χ^2/NDF: 305613.2/22

All: 98.989+/-0.014 χ^2/NDF: 589520.7/46

- 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: 353.009+/-280.691 χ^2/NDF:4.2/6

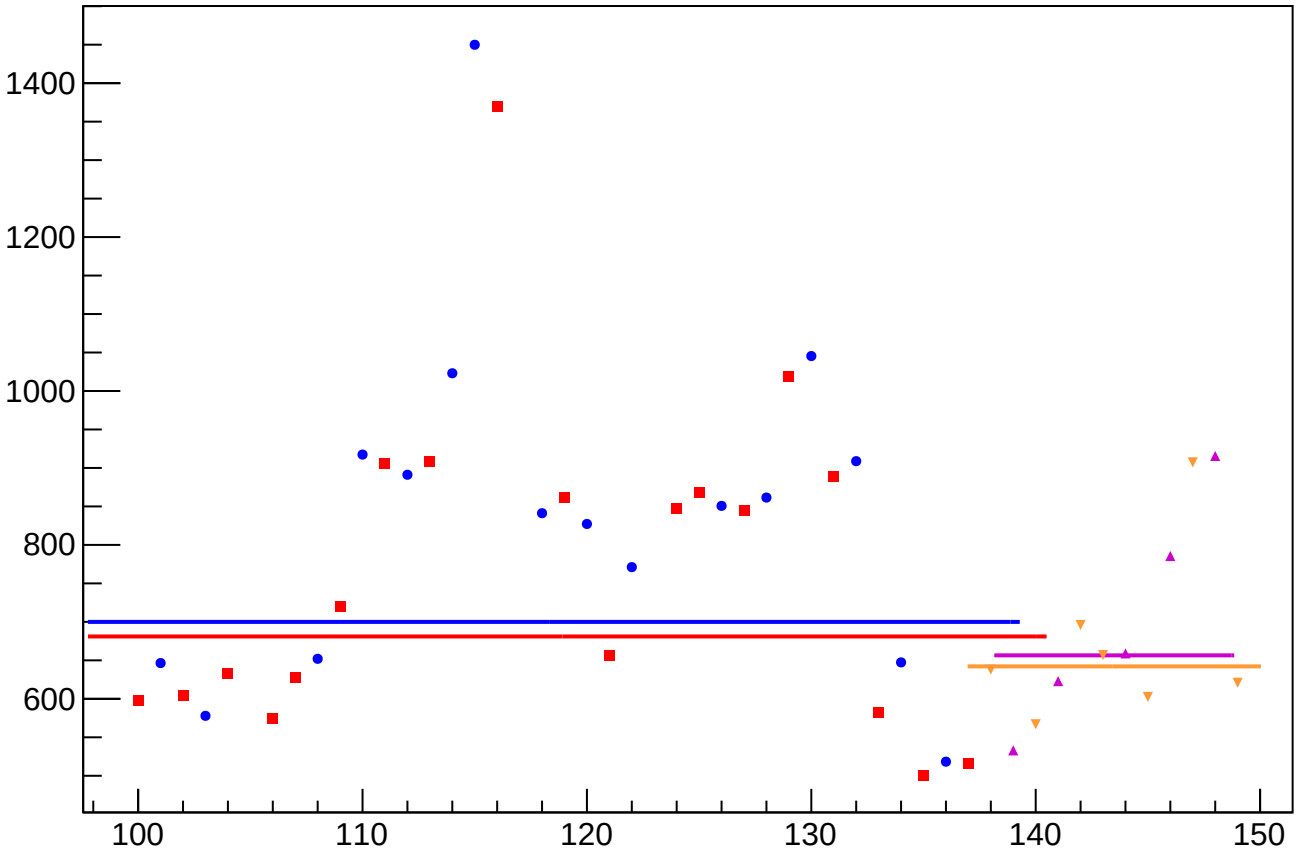
Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: 745.174+/-321.849 χ^2/NDF:2.1/4

+ sign 2.135+/-193.652 χ^2/NDF: 16.4/22

All: 278.031+/-139.344 χ^2/NDF: 39.6/46

- 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: 642.169+/-0.198 χ^2/NDF:183527.9/6

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

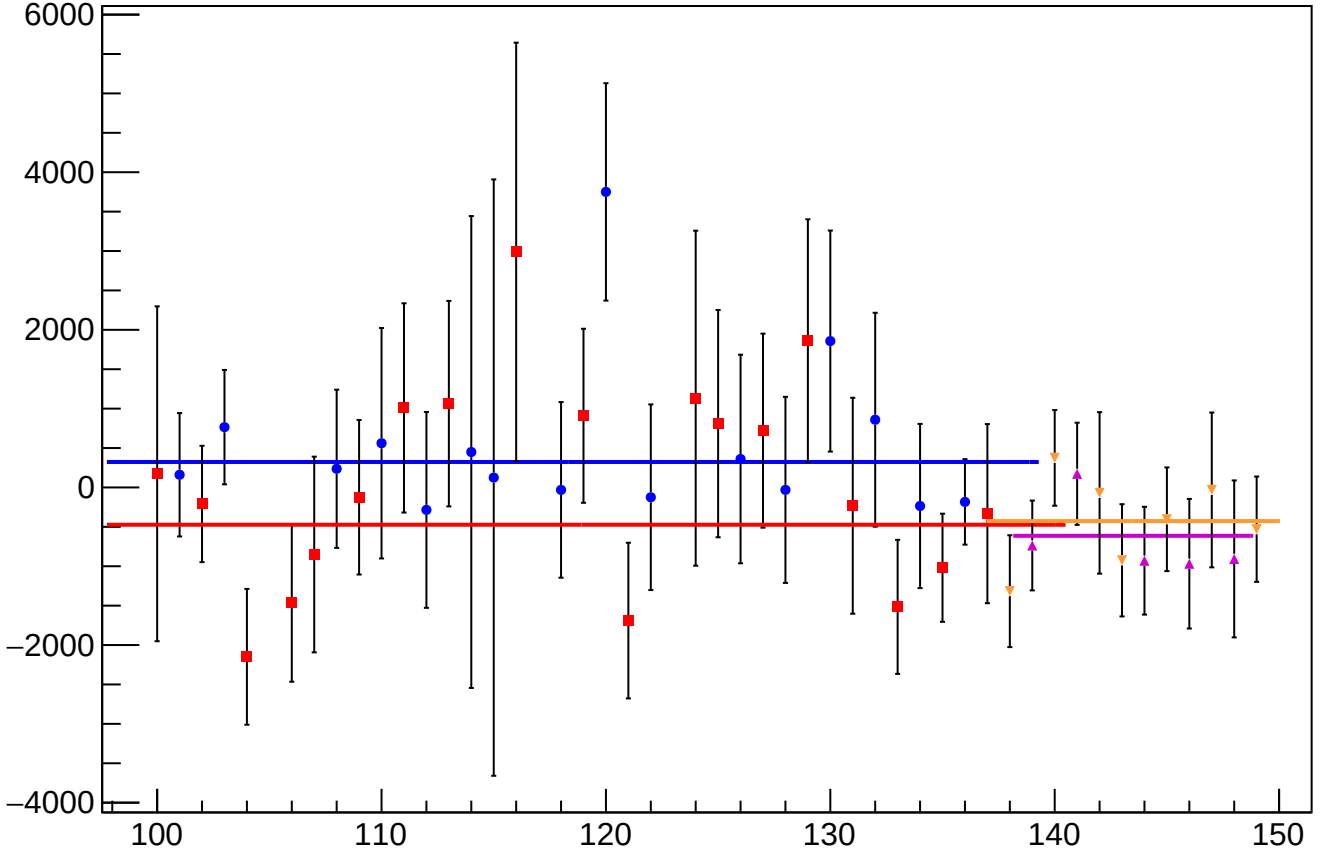
Left In: 656.479+/-0.228 χ^2/NDF:272273.5/4

\+ sign 672.459+/-0.137 χ^2/NDF: 981639.7/22

All: 671.986+/-0.099 χ^2/NDF: 2030443.8/46

\- 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: -426.739+/-275.139 χ^2/NDF:4.1/6

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

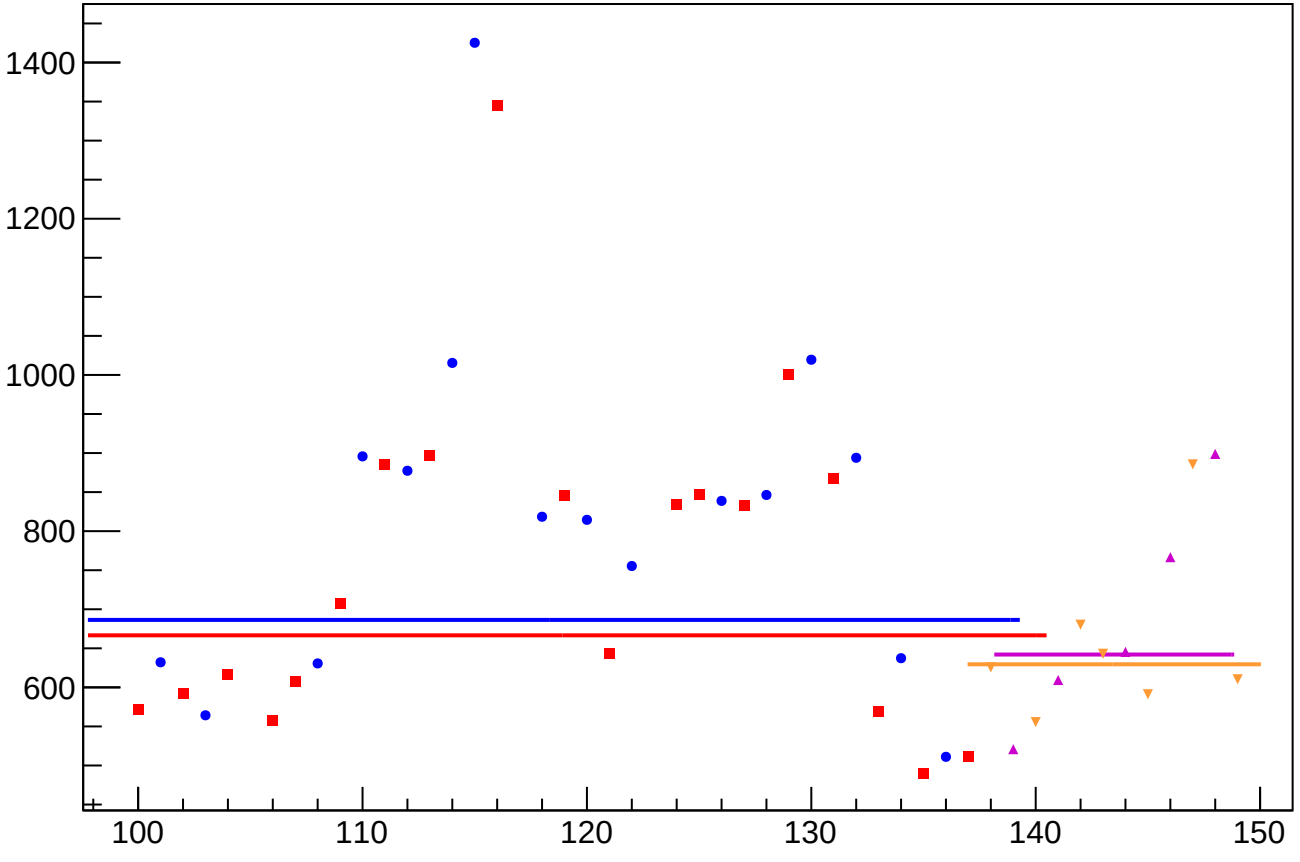
Left In: -613.712+/-314.898 χ^2/NDF:2.0/4

+ sign -33.912+/-189.863 χ^2/NDF: 17.7/22

All: -272.504+/-136.518 χ^2/NDF: 42.5/46

- sign -527.898+/-196.435 χ^2/NDF: 21.5/23

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 629.532+/-0.195 χ^2/NDF:179691.2/6

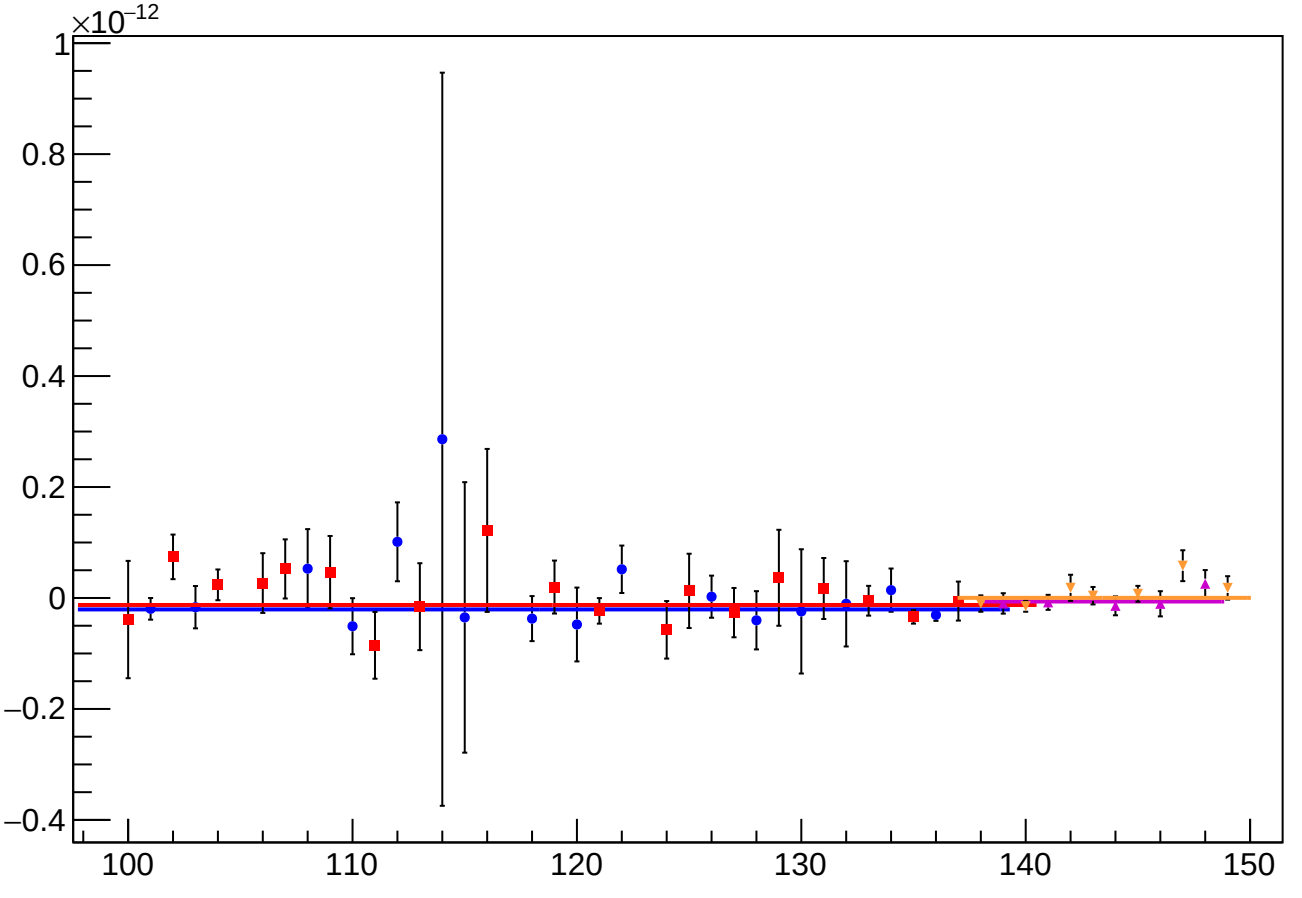
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 642.043+/-0.223 χ^2/NDF:274480.0/4

+ sign 659.317+/-0.134 χ^2/NDF: 973892.3/22

All: 658.229+/-0.097 χ^2/NDF: 2032992.5/46

- 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:8.7/6

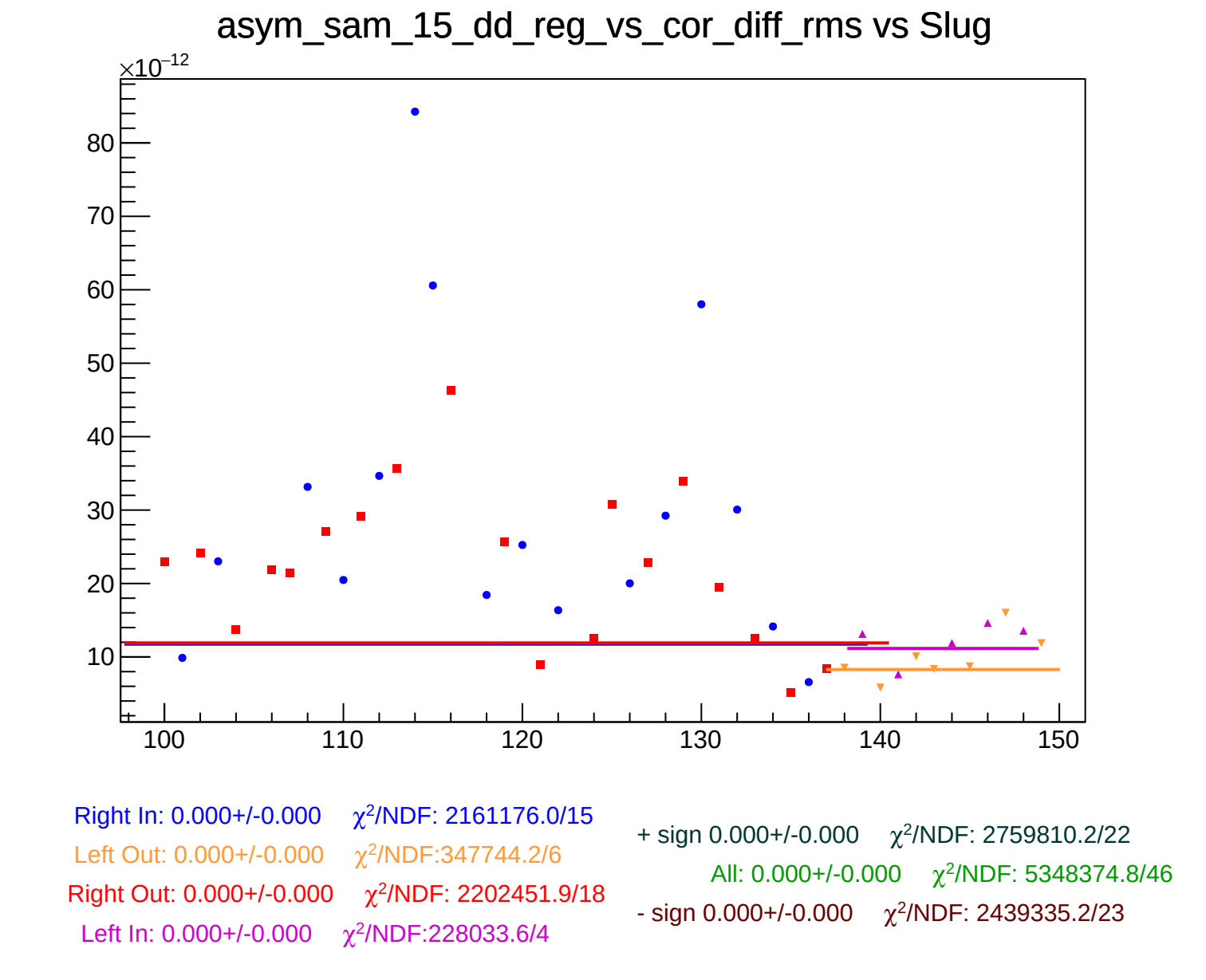
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 23.3/22

All: -0.000+/-0.000 χ^2/NDF: 42.7/46

- sign -0.000+/-0.000 χ^2/NDF: 19.3/23


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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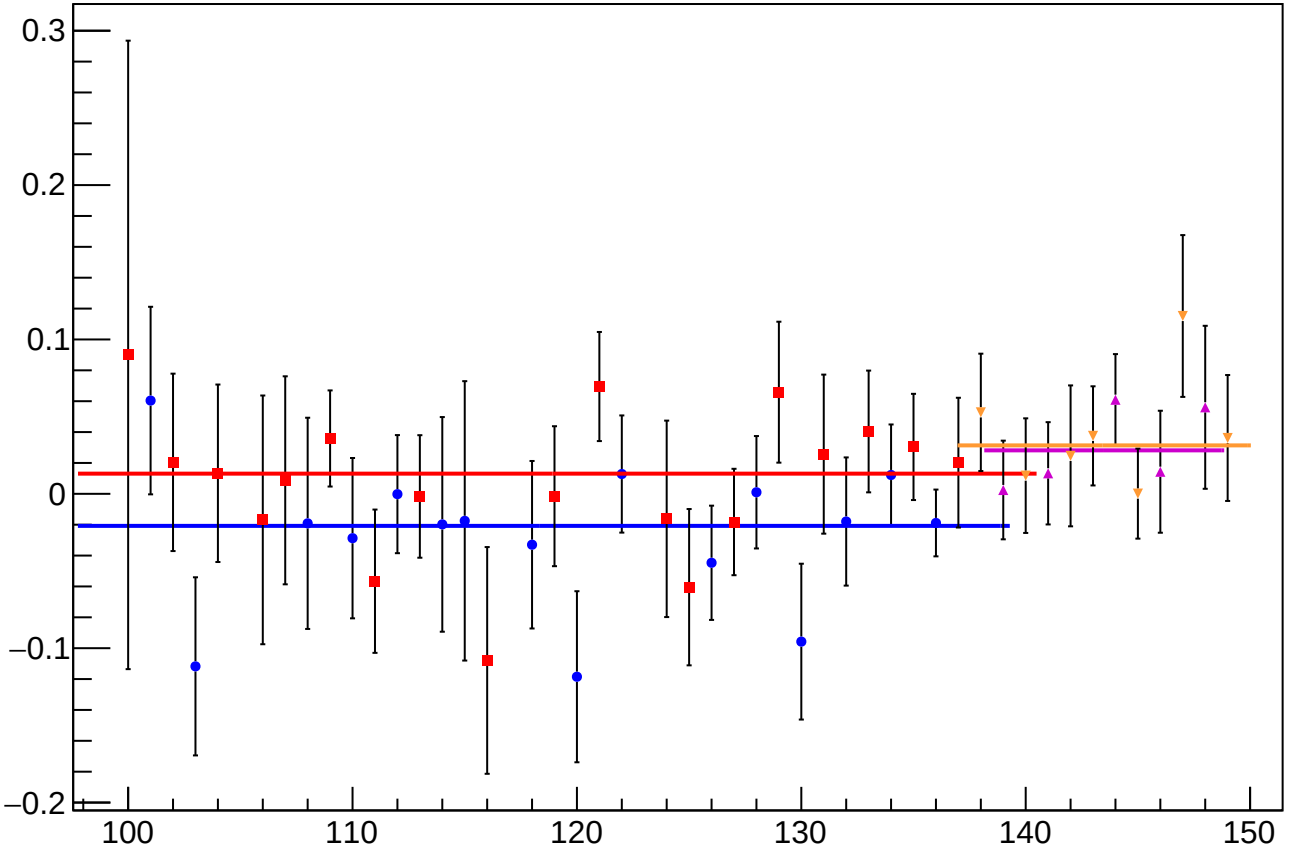
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:347744.2/6
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:228033.6/4
+ sign 0.000+/-0.000 χ²/NDF: 2759810.2/22
All: 0.000+/-0.000 χ²/NDF: 5348374.8/46
- sign 0.000+/-0.000 χ²/NDF: 2439335.2/23

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+/-0.014 χ^2/NDF:4.4/6

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

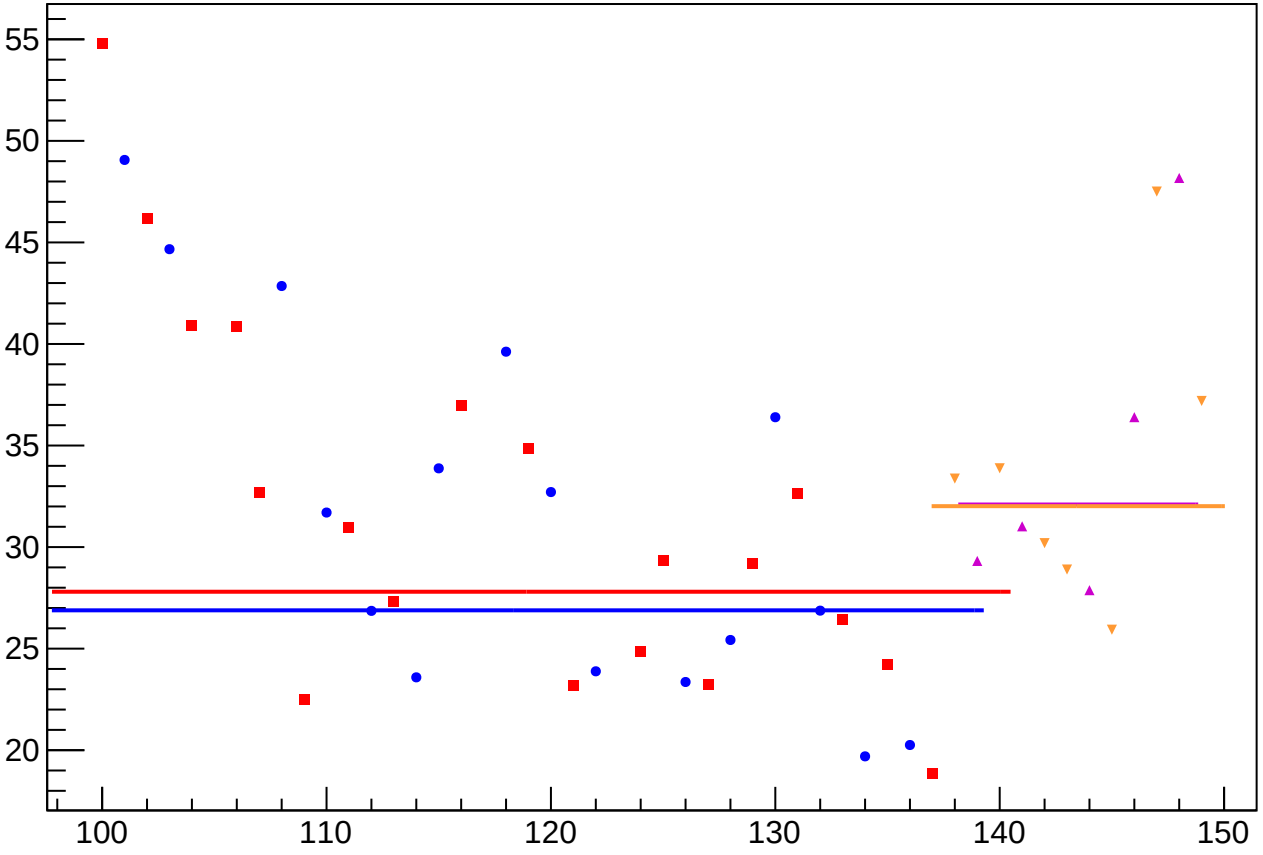
Left In: 0.028+/-0.016 χ^2/NDF:2.5/4

\+ sign -0.002+/-0.008 χ^2/NDF: 25.7/22

All: 0.007+/-0.006 χ^2/NDF: 45.4/46

\- 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: 32.015+/-0.010 χ^2/NDF:323570.5/6

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

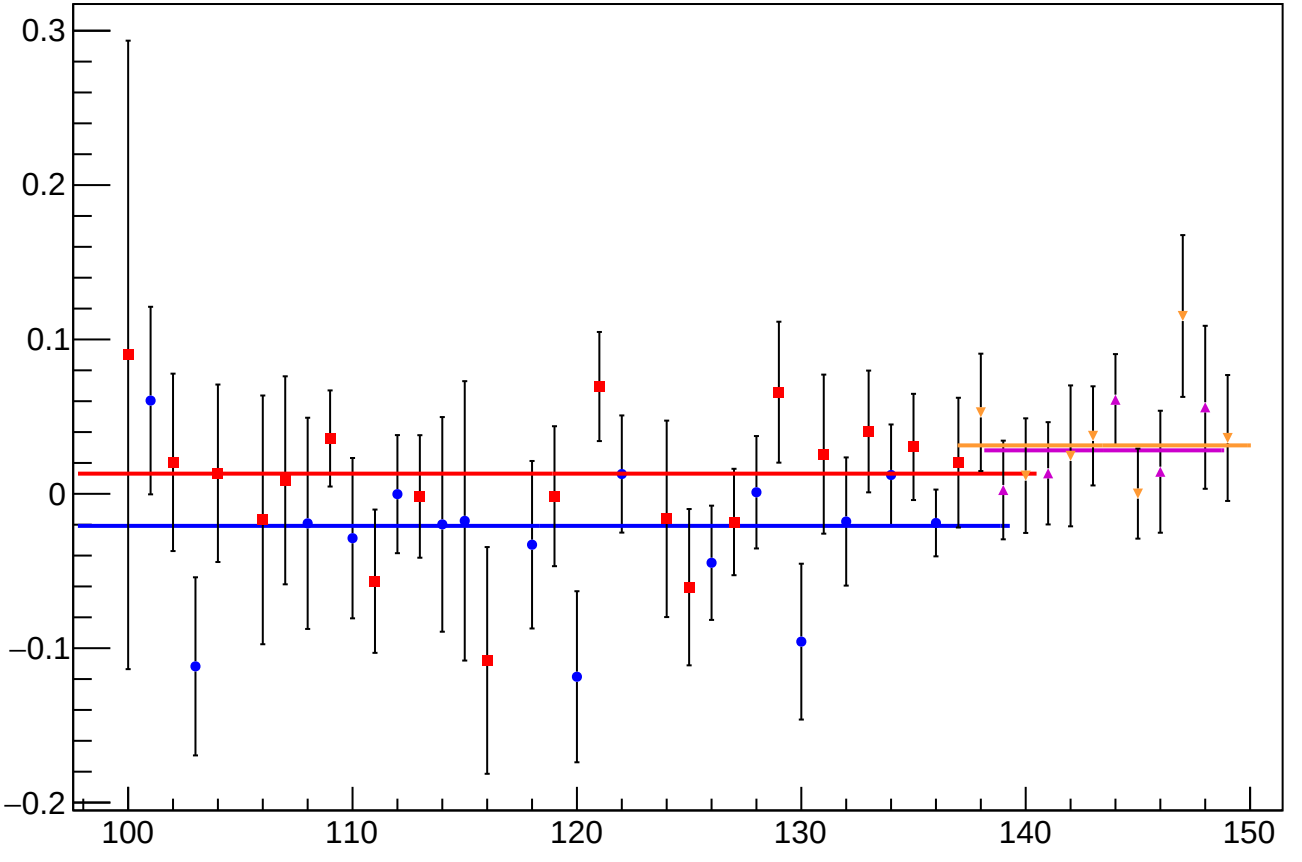
Left In: 32.096+/-0.011 χ^2/NDF:267119.8/4

+ sign 28.712+/-0.006 χ^2/NDF: 1613741.2/22

All: 28.914+/-0.004 χ^2/NDF: 2749063.6/46

- sign 29.131+/-0.006 χ^2/NDF: 1132951.1/23

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.014 χ^2/NDF:4.4/6

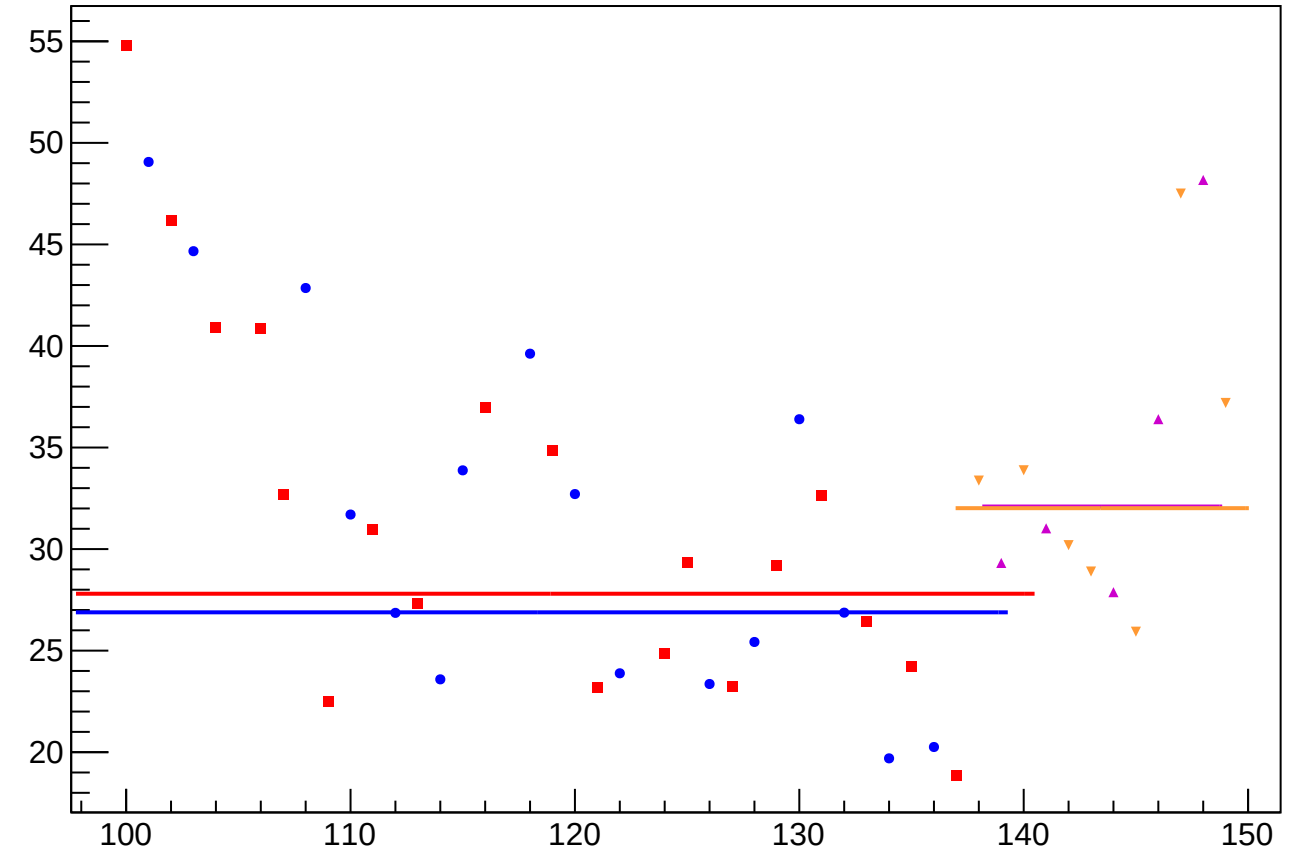
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.028+/-0.016 χ^2/NDF:2.5/4

\+ sign -0.002+/-0.008 χ^2/NDF: 25.7/22

All: 0.007+/-0.006 χ^2/NDF: 45.4/46

\- sign 0.018+/-0.009 χ^2/NDF: 17.0/23



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.015+/-0.010 χ^2/NDF:323570.5/6

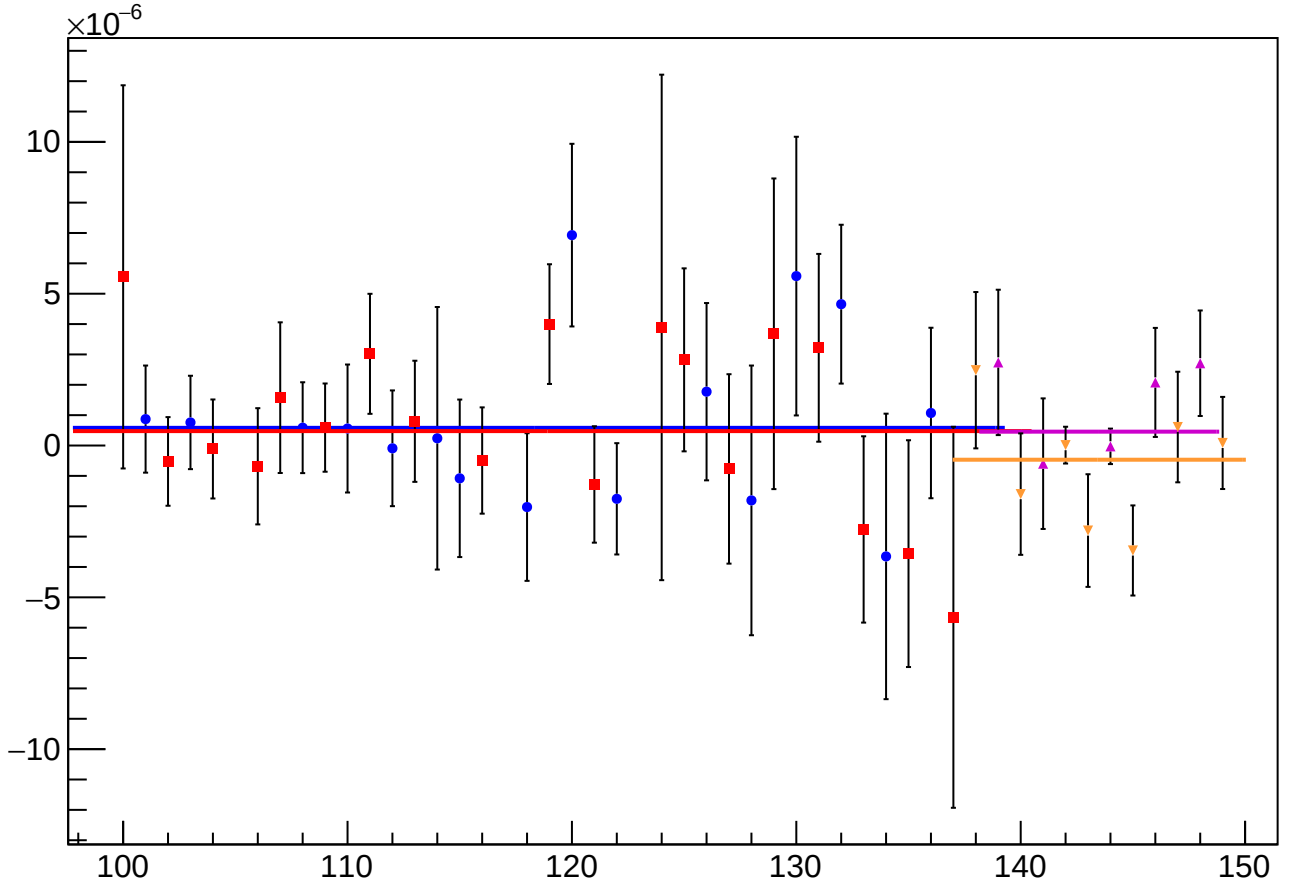
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.096+/-0.011 χ^2/NDF:267119.8/4

\+ sign 28.712+/-0.006 χ^2/NDF: 1613741.2/22

All: 28.914+/-0.004 χ^2/NDF: 2749063.6/46

\- sign 29.131+/-0.006 χ^2/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:8.4/6

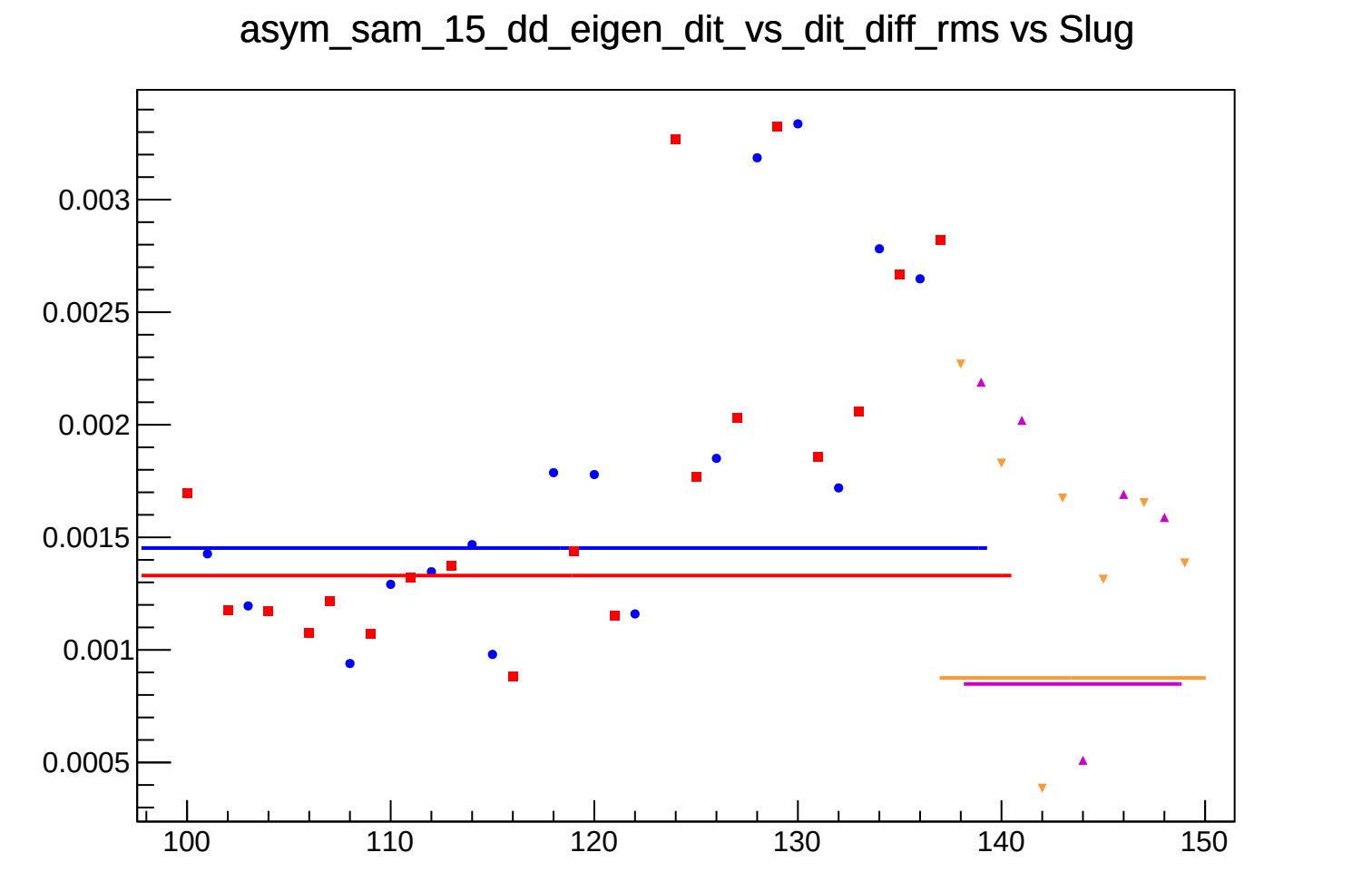
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/22

All: 0.000+/-0.000 χ^2/NDF: 41.7/46

- 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:3487211.4/6

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

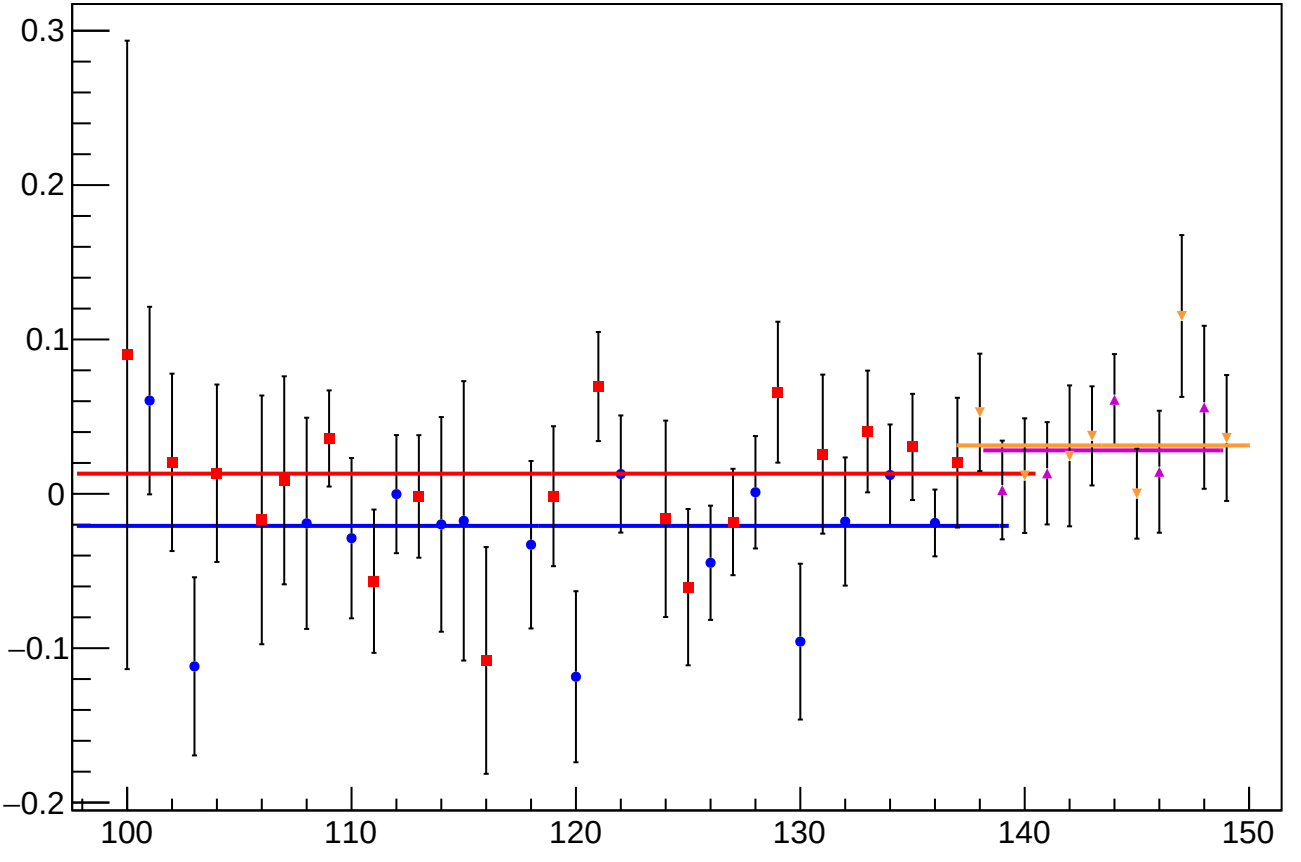
Left In: 0.001+/-0.000 χ^2/NDF:2695038.9/4

+ sign 0.001+/-0.000 χ^2/NDF: 6407419.6/22

All: 0.001+/-0.000 χ^2/NDF: 11398283.4/46

- sign 0.001+/-0.000 χ^2/NDF: 4987317.4/23

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.014 χ^2/NDF:4.4/6

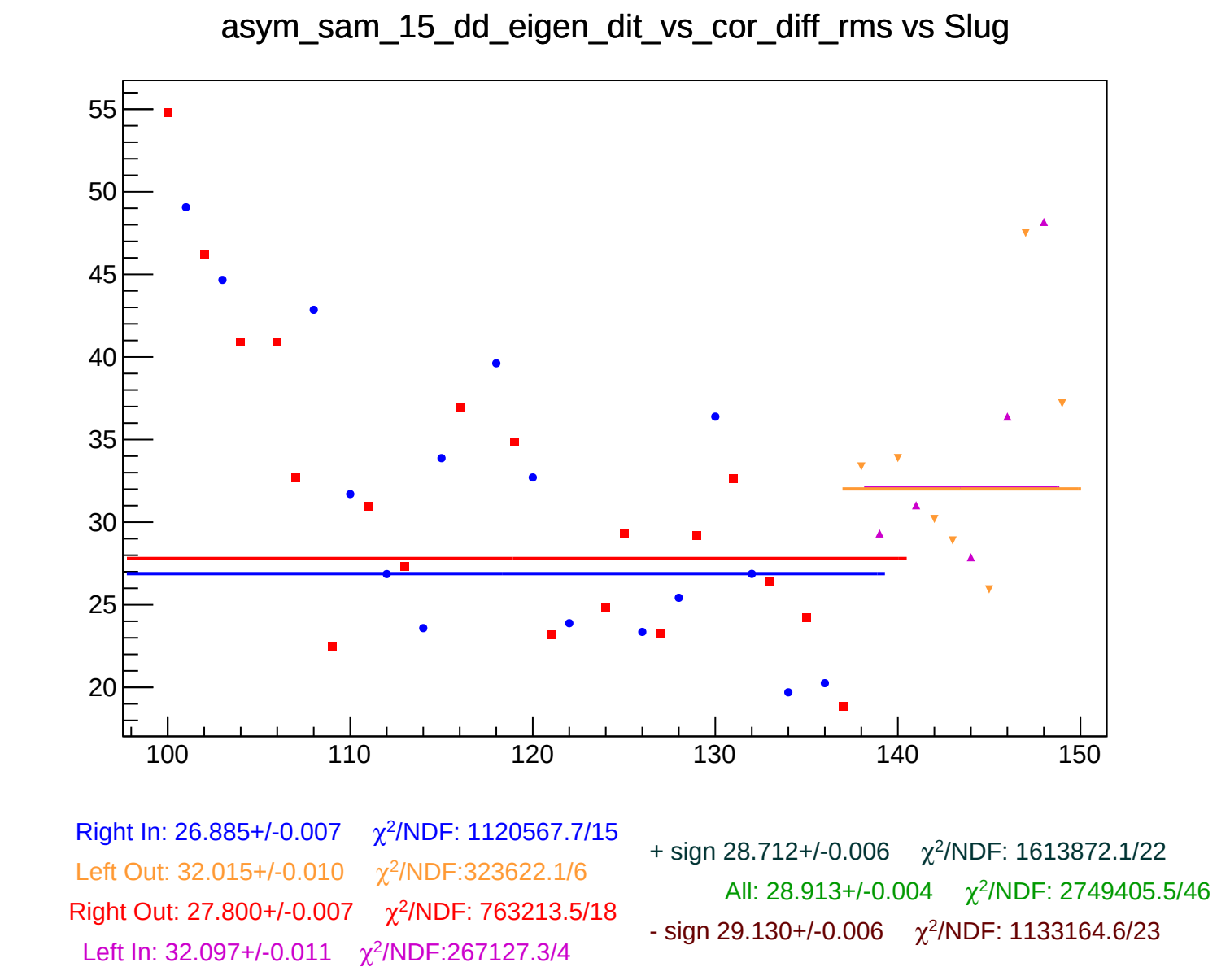
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.028+/-0.016 χ^2/NDF:2.5/4

\+ sign -0.002+/-0.008 χ^2/NDF: 25.7/22

All: 0.007+/-0.006 χ^2/NDF: 45.4/46

\- 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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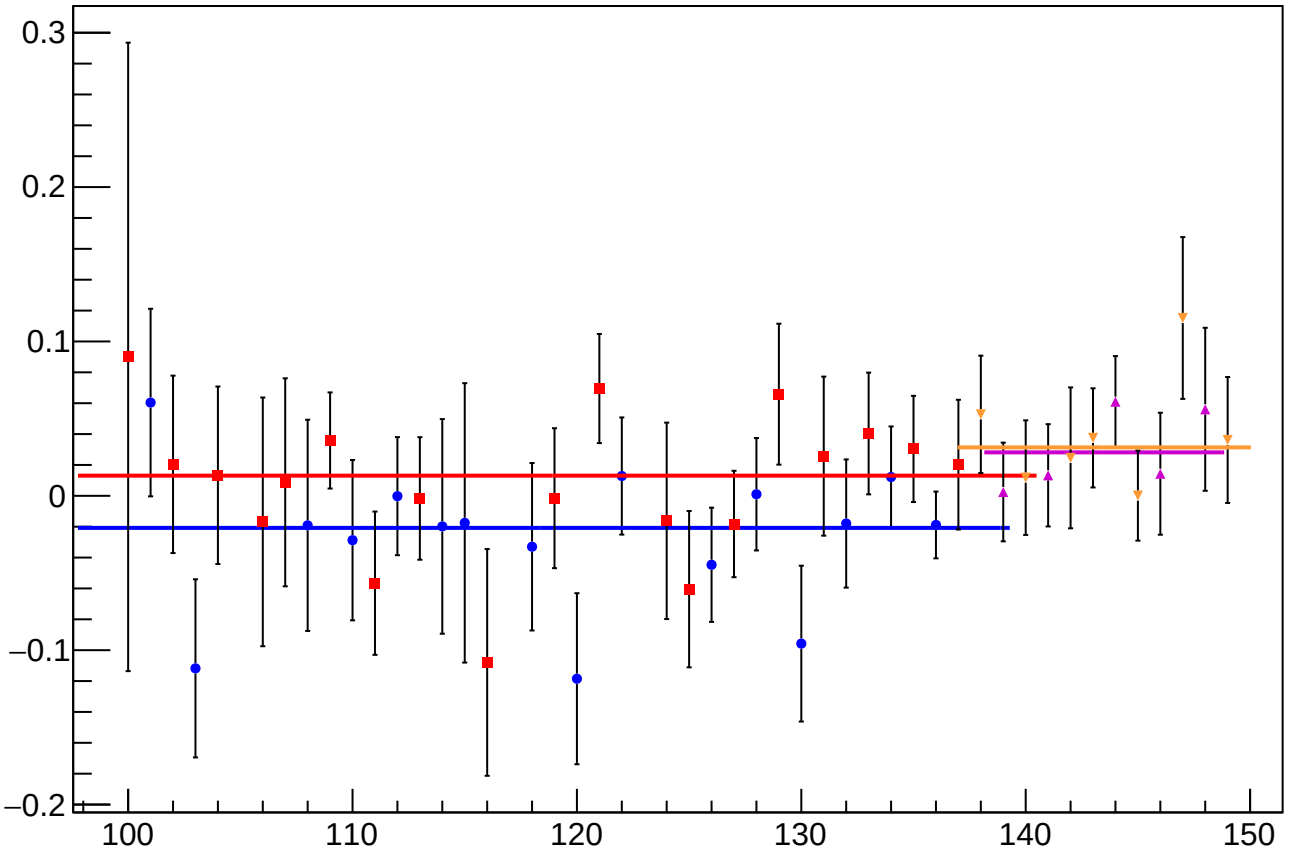
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 32.015+/-0.010 χ²/NDF:323622.1/6
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.097+/-0.011 χ²/NDF:267127.3/4
+ sign 28.712+/-0.006 χ²/NDF: 1613872.1/22
All: 28.913+/-0.004 χ²/NDF: 2749405.5/46
- sign 29.130+/-0.006 χ²/NDF: 1133164.6/23



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.014 χ^2/NDF:4.4/6

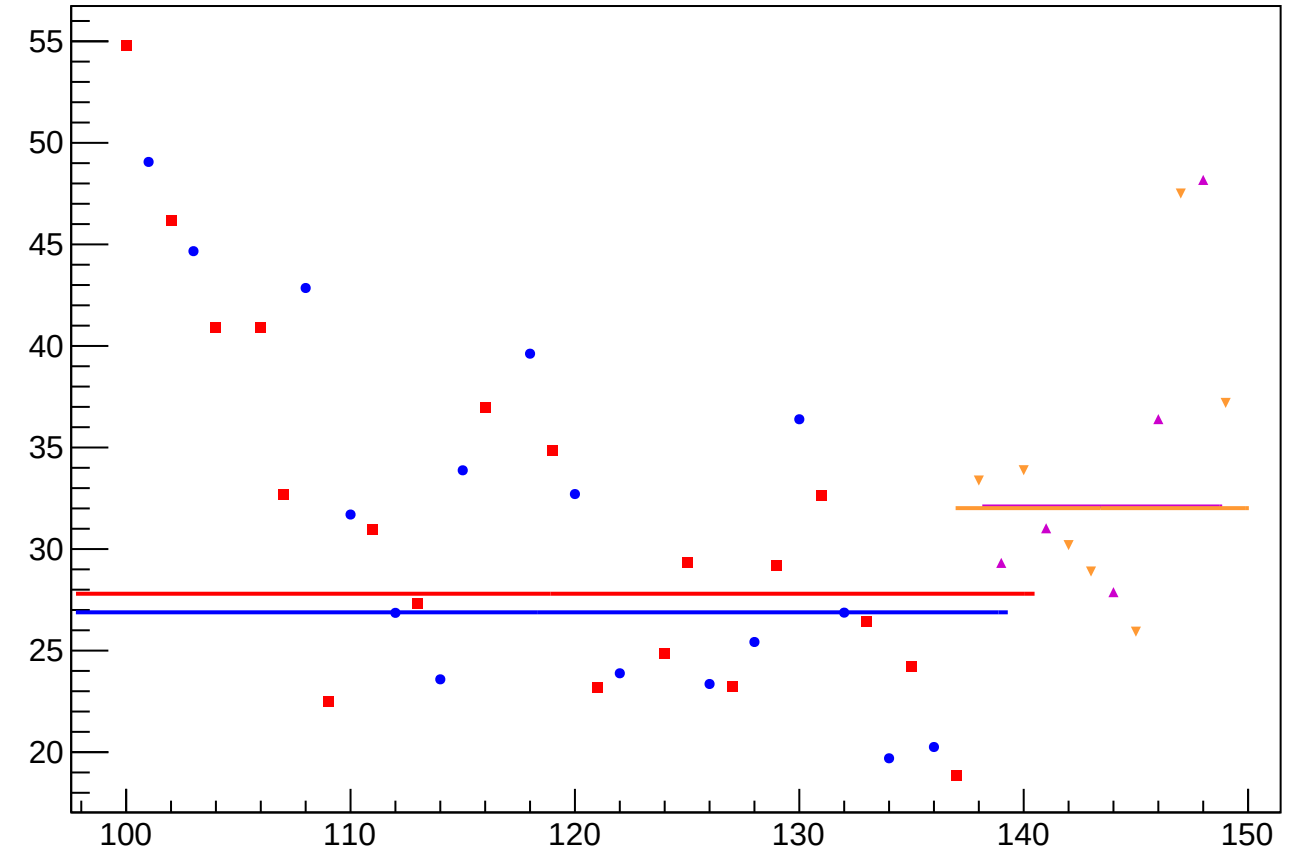
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.028+/-0.016 χ^2/NDF:2.5/4

\+ sign -0.002+/-0.008 χ^2/NDF: 25.7/22

All: 0.007+/-0.006 χ^2/NDF: 45.4/46

\- sign 0.018+/-0.009 χ^2/NDF: 17.0/23



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.015+/-0.010 χ^2/NDF:323622.1/6

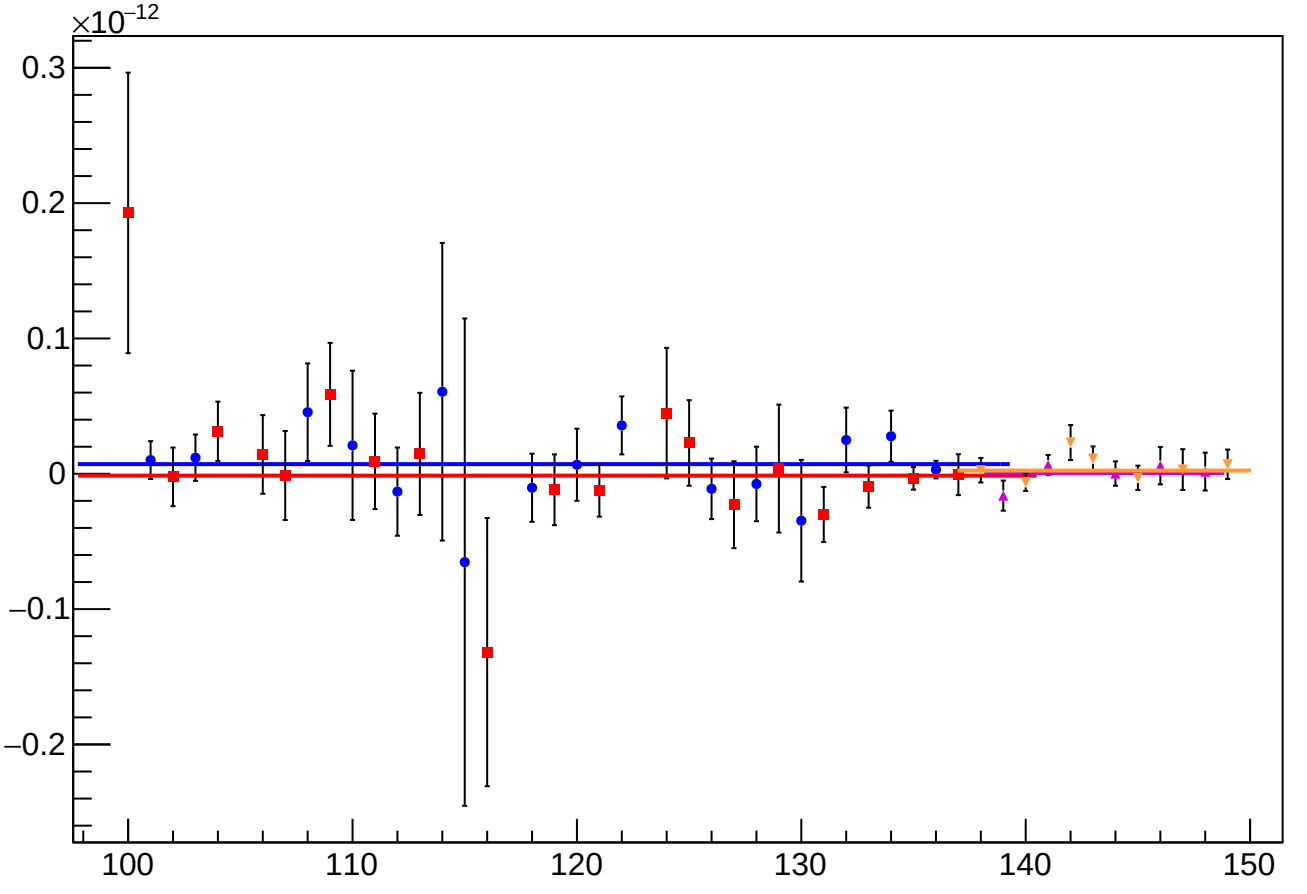
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.097+/-0.011 χ^2/NDF:267127.3/4

+ sign 28.712+/-0.006 χ^2/NDF: 1613872.1/22

All: 28.913+/-0.004 χ^2/NDF: 2749405.5/46

- sign 29.130+/-0.006 χ^2/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:5.8/6

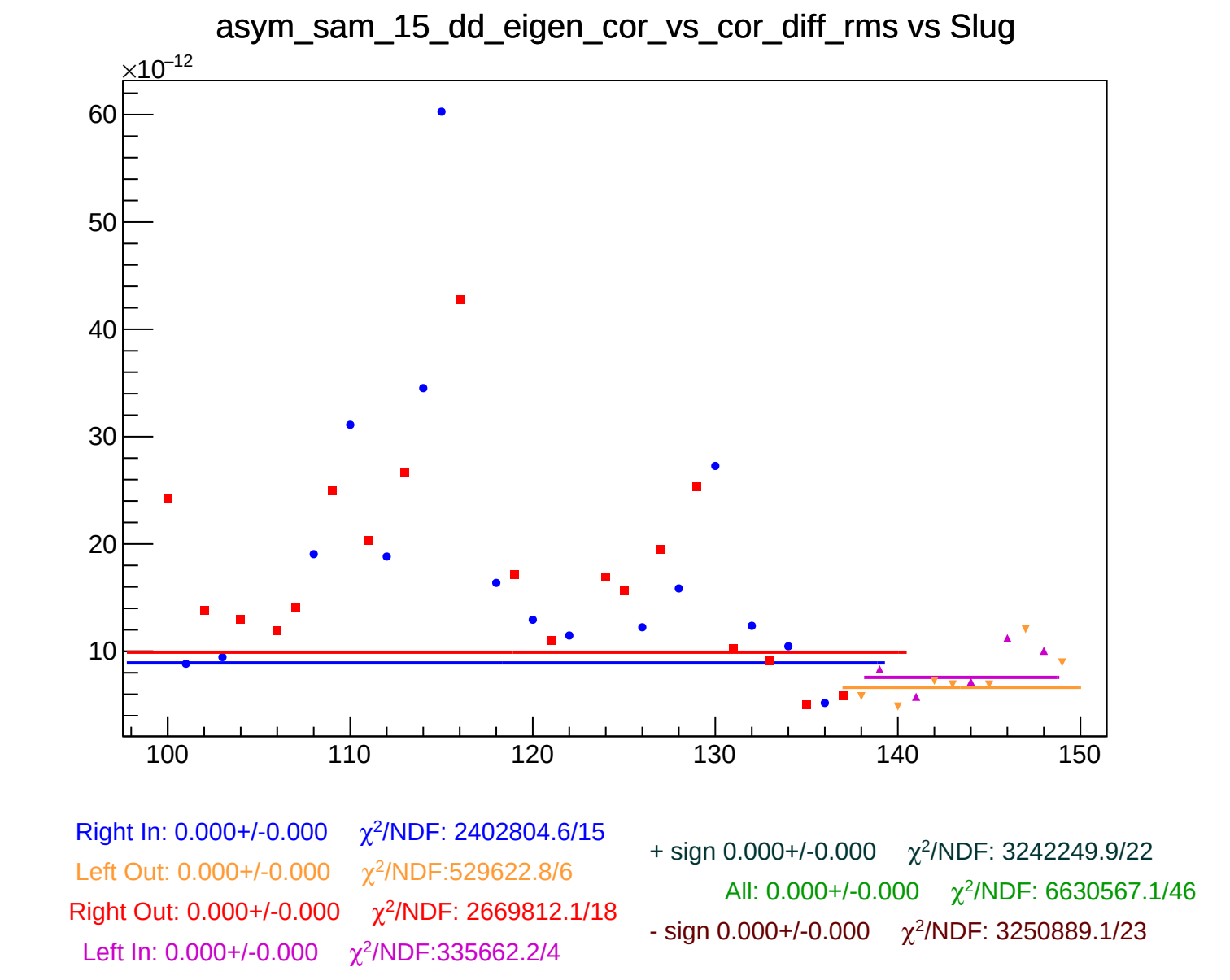
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 14.8/22

All: 0.000+/-0.000 χ^2/NDF: 34.3/46

- sign -0.000+/-0.000 χ^2/NDF: 18.4/23


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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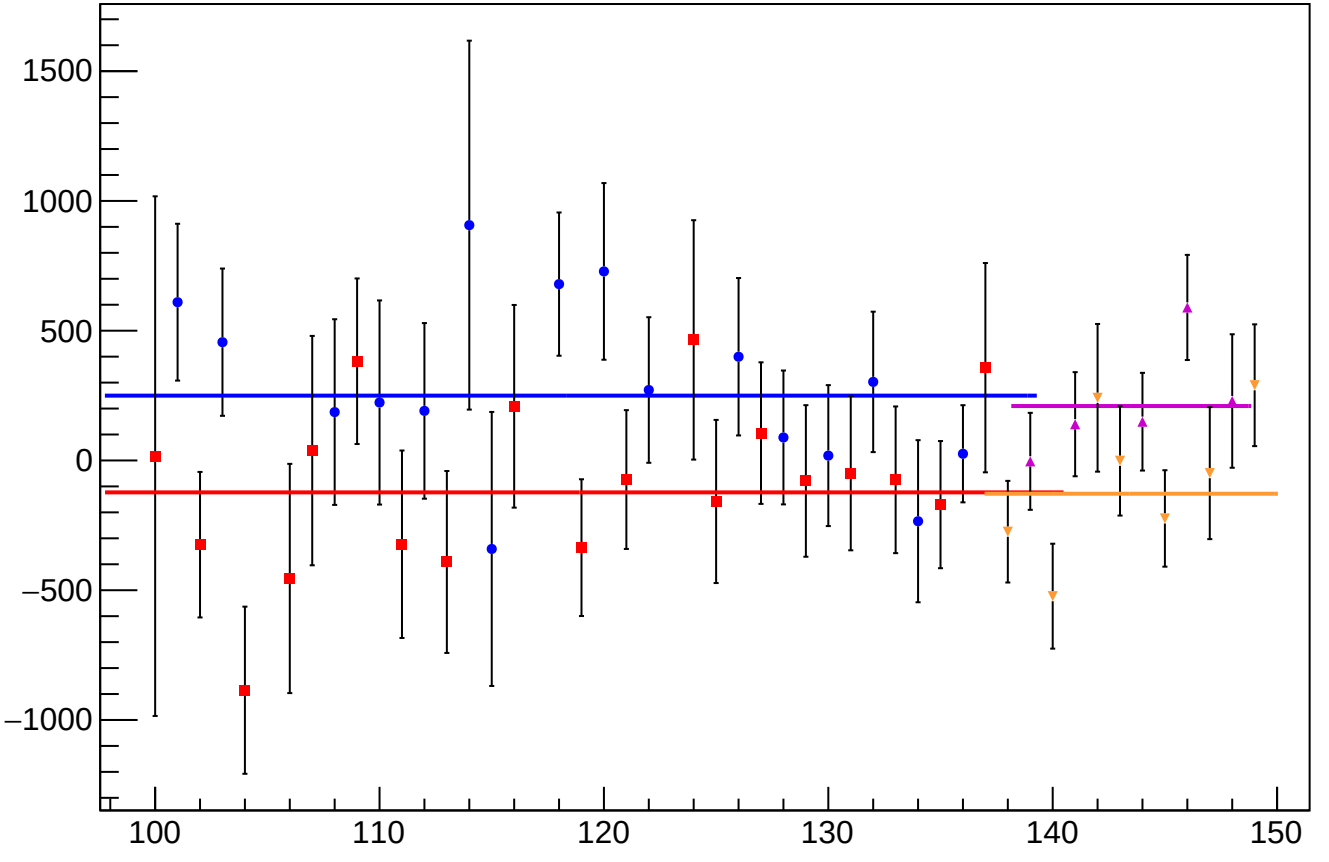
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:529622.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:335662.2/4
+ sign 0.000+/-0.000 χ²/NDF: 3242249.9/22
All: 0.000+/-0.000 χ²/NDF: 6630567.1/46
- sign 0.000+/-0.000 χ²/NDF: 3250889.1/23

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -128.212+/-82.227 χ^2/NDF:10.0/6

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

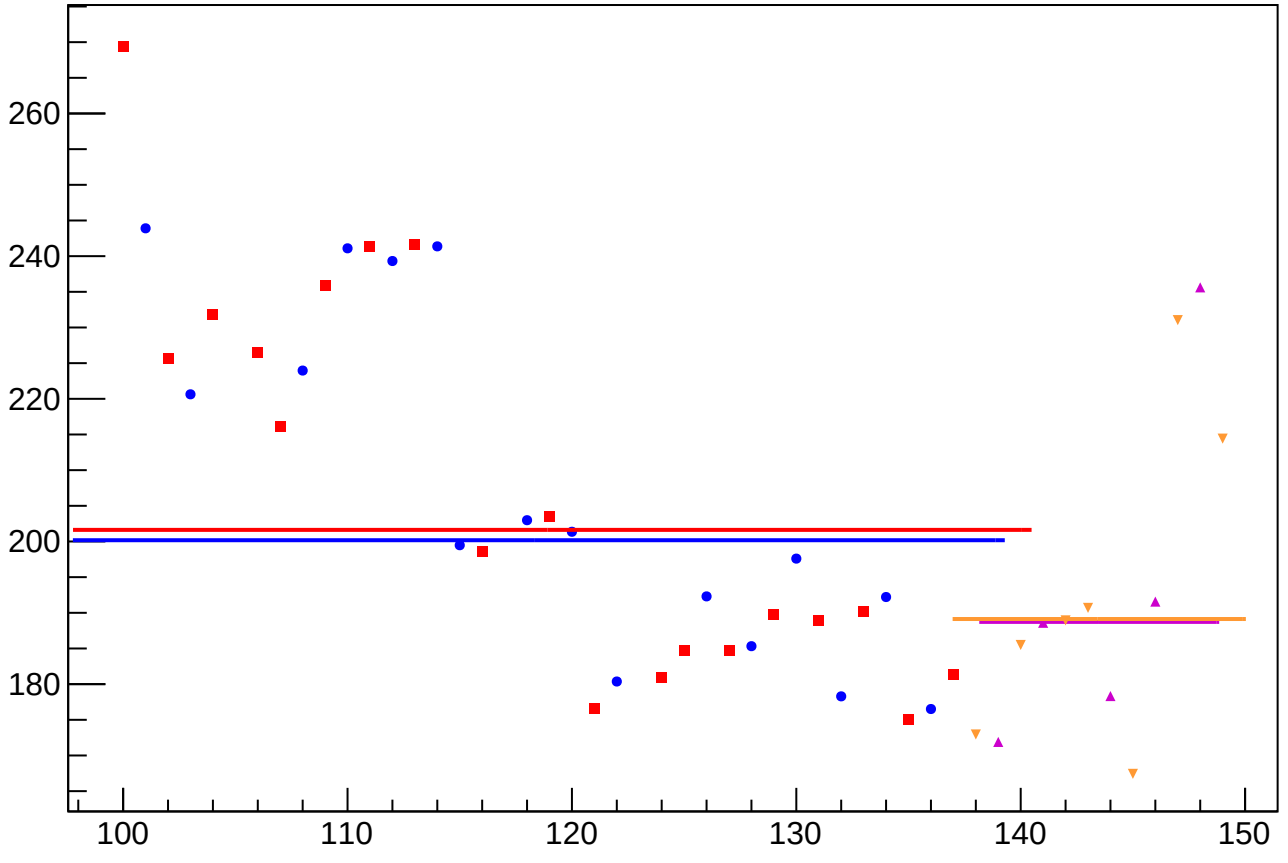
Left In: 209.723+/-90.836 χ^2/NDF:5.0/4

+ sign 78.418+/-55.362 χ^2/NDF: 35.3/22

All: 45.784+/-39.896 χ^2/NDF: 64.6/46

- 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: 189.131+/-0.058 χ^2/NDF:119225.4/6

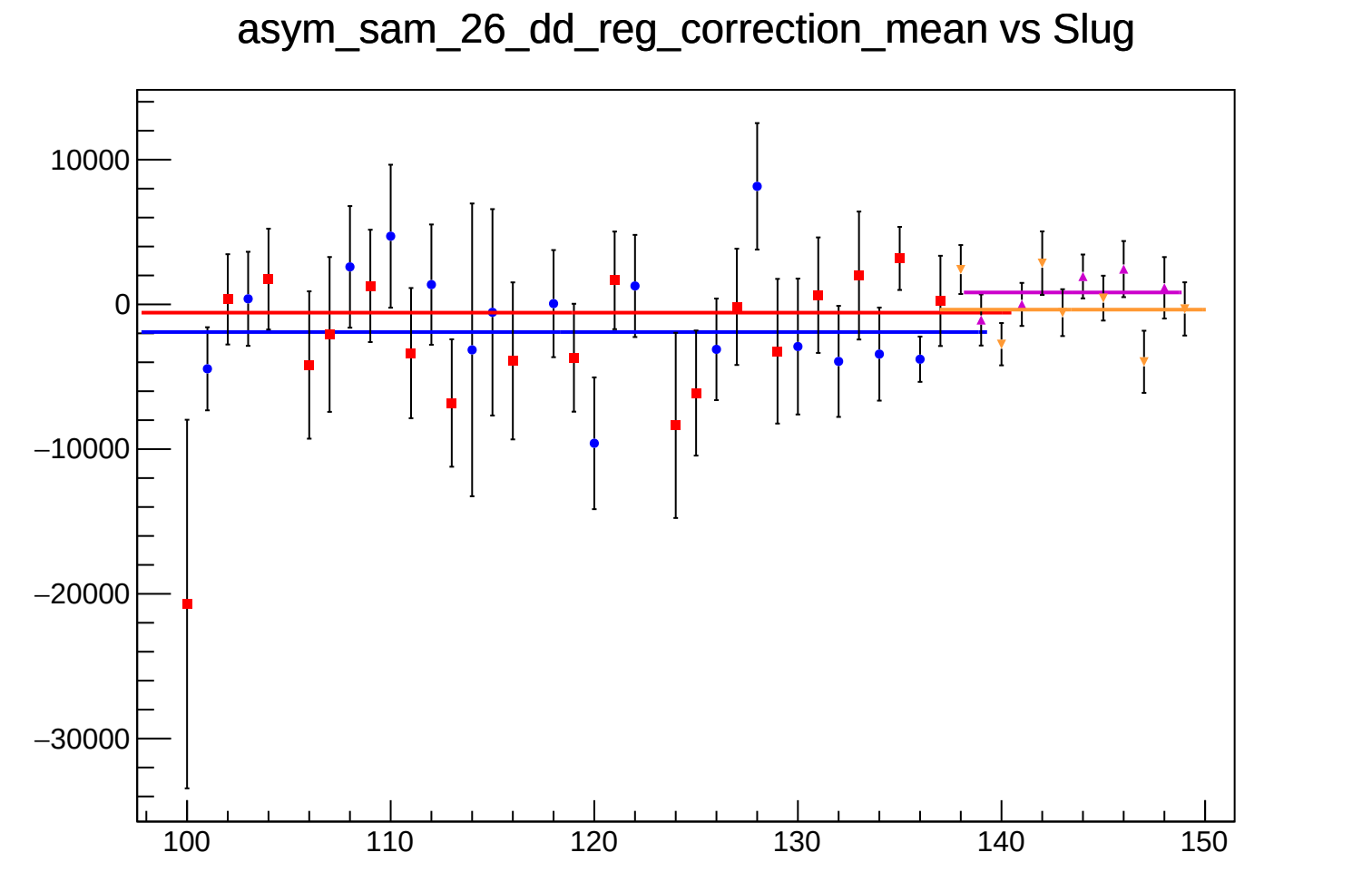
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 188.728+/-0.064 χ^2/NDF:89221.0/4

+ sign 195.169+/-0.039 χ^2/NDF: 319957.9/22

All: 195.785+/-0.028 χ^2/NDF: 631083.5/46

- 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: -362.506+/-654.160 χ^2/NDF:10.6/6

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

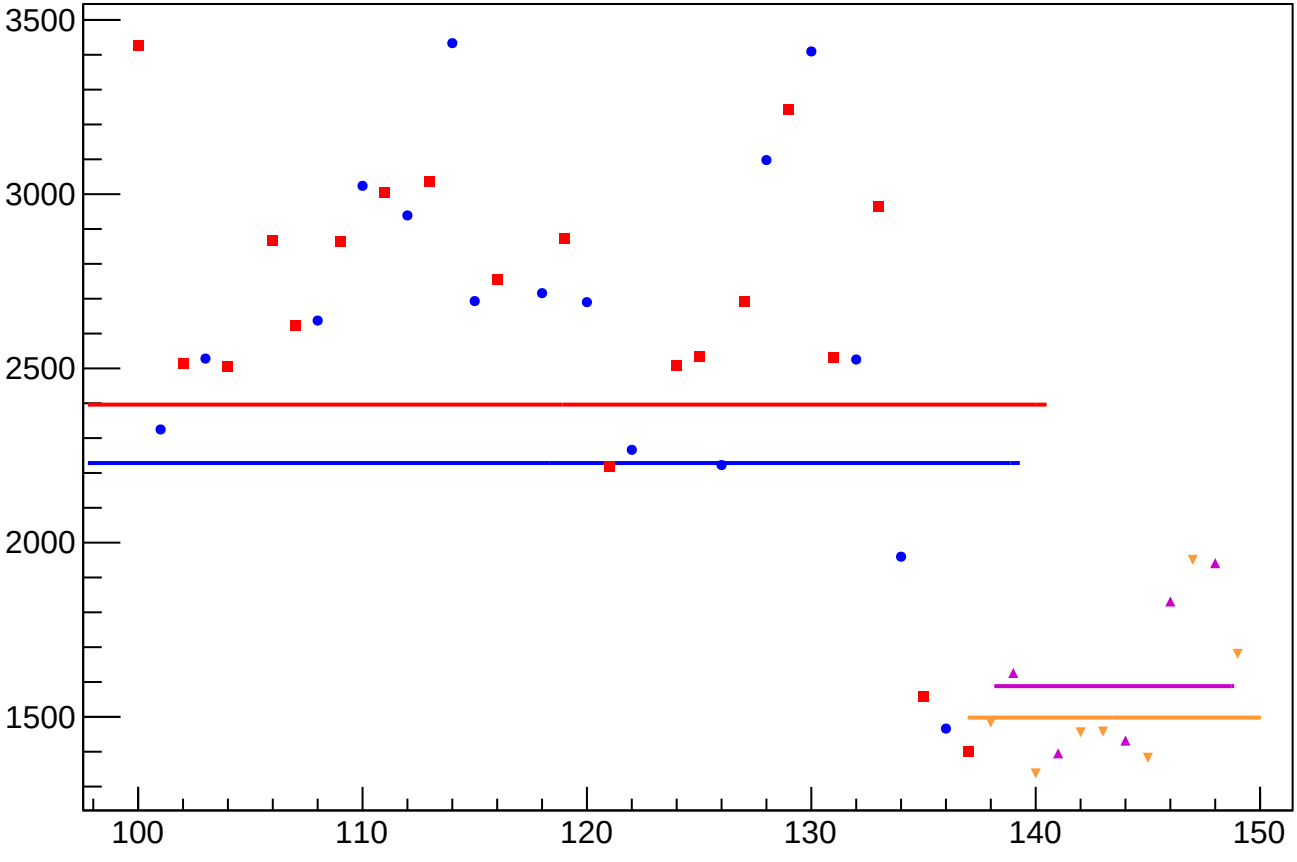
Left In: 825.062+/-767.859 χ^2/NDF:2.7/4

+ sign -930.589+/-520.451 χ^2/NDF: 28.9/22

All: -413.882+/-388.626 χ^2/NDF: 49.9/46

- 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: 1497.914+/-0.463 χ^2/NDF:145933.2/6

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

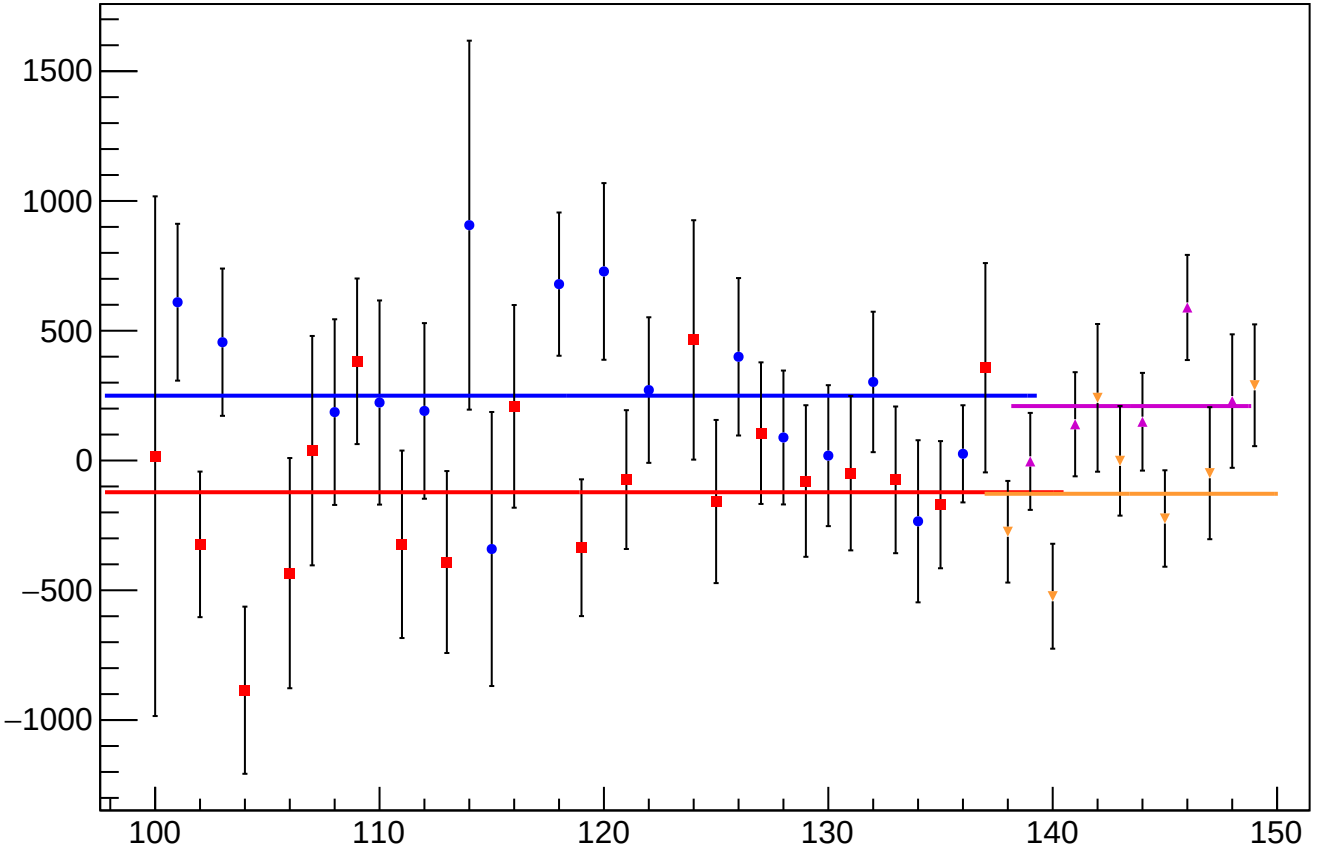
Left In: 1588.157+/-0.543 χ^2/NDF:142584.0/4

+ sign 1766.026+/-0.368 χ^2/NDF: 2008982.4/22

All: 1837.824+/-0.275 χ^2/NDF: 3969245.9/46

- 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: -128.215+/-82.227 χ^2/NDF:10.0/6

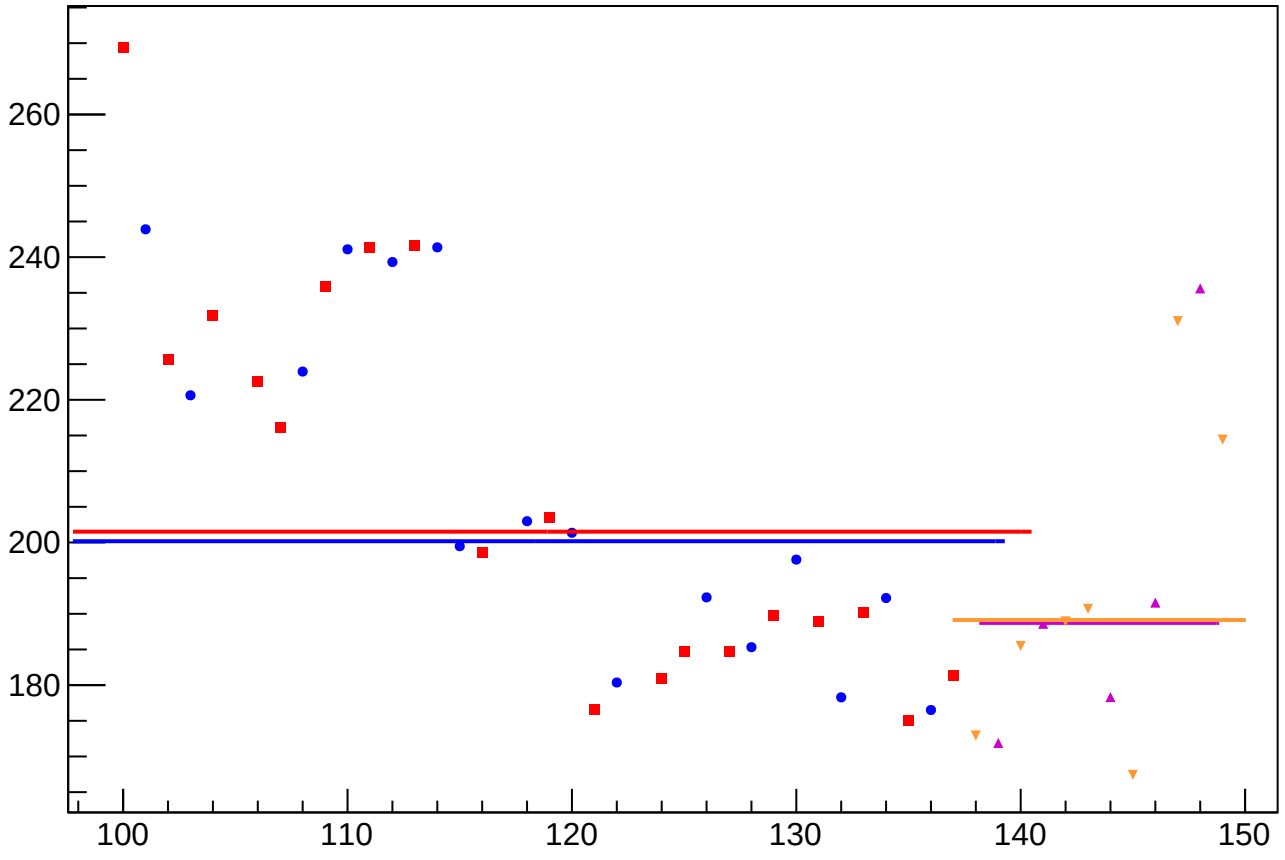
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 209.717+/-90.836 χ^2/NDF:5.0/4

+ sign 78.418+/-55.362 χ^2/NDF: 35.3/22

All: 46.022+/-39.898 χ^2/NDF: 64.5/46

- sign 11.017+/-57.548 χ^2/NDF: 28.5/23



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 189.131+/-0.058 χ^2/NDF:119225.4/6

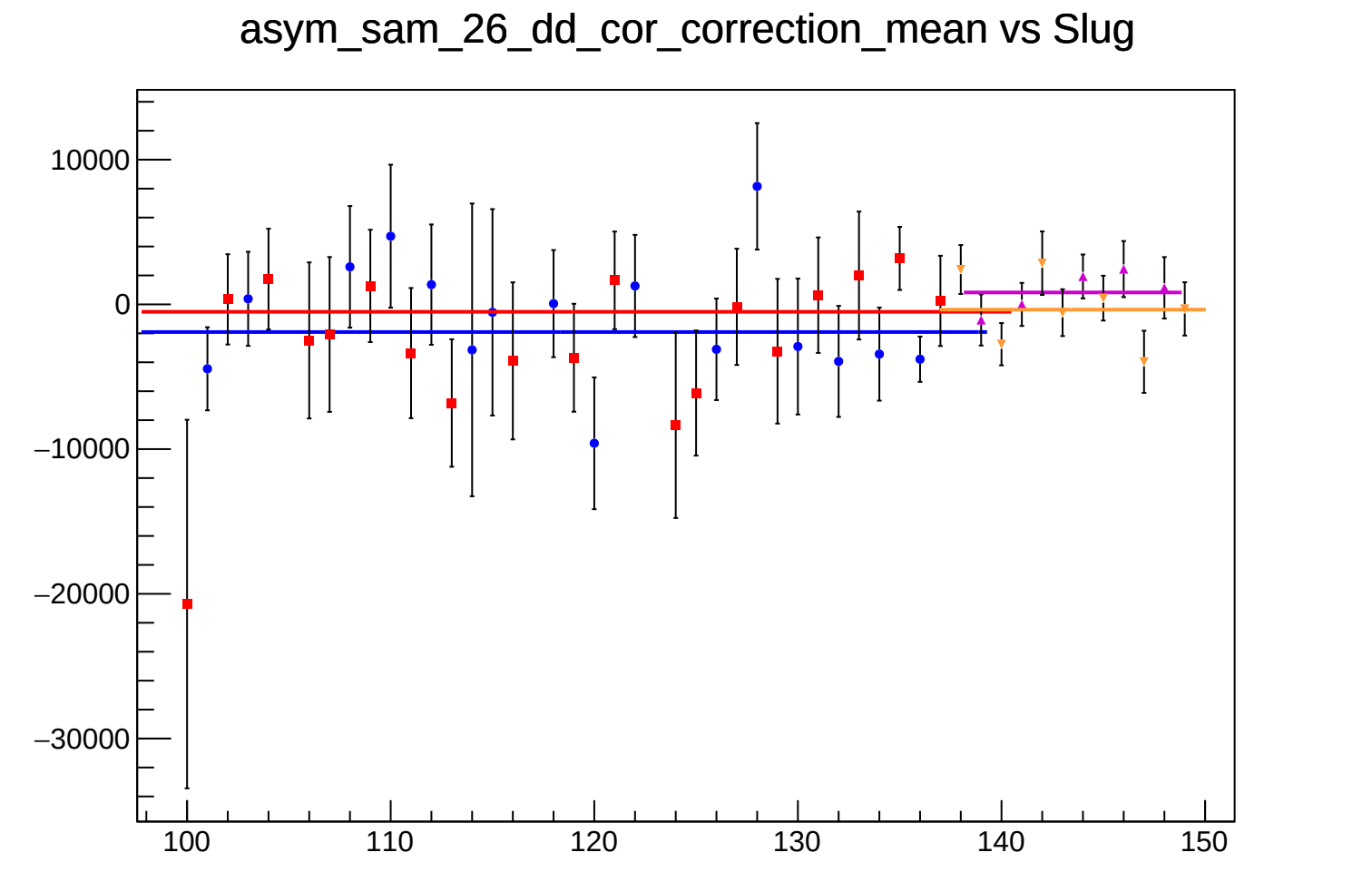
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 188.728+/-0.064 χ^2/NDF:89221.0/4

+ sign 195.169+/-0.039 χ^2/NDF: 319958.3/22

All: 195.752+/-0.028 χ^2/NDF: 628792.9/46

- 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: -362.510+/-654.160 χ^2/NDF:10.6/6

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

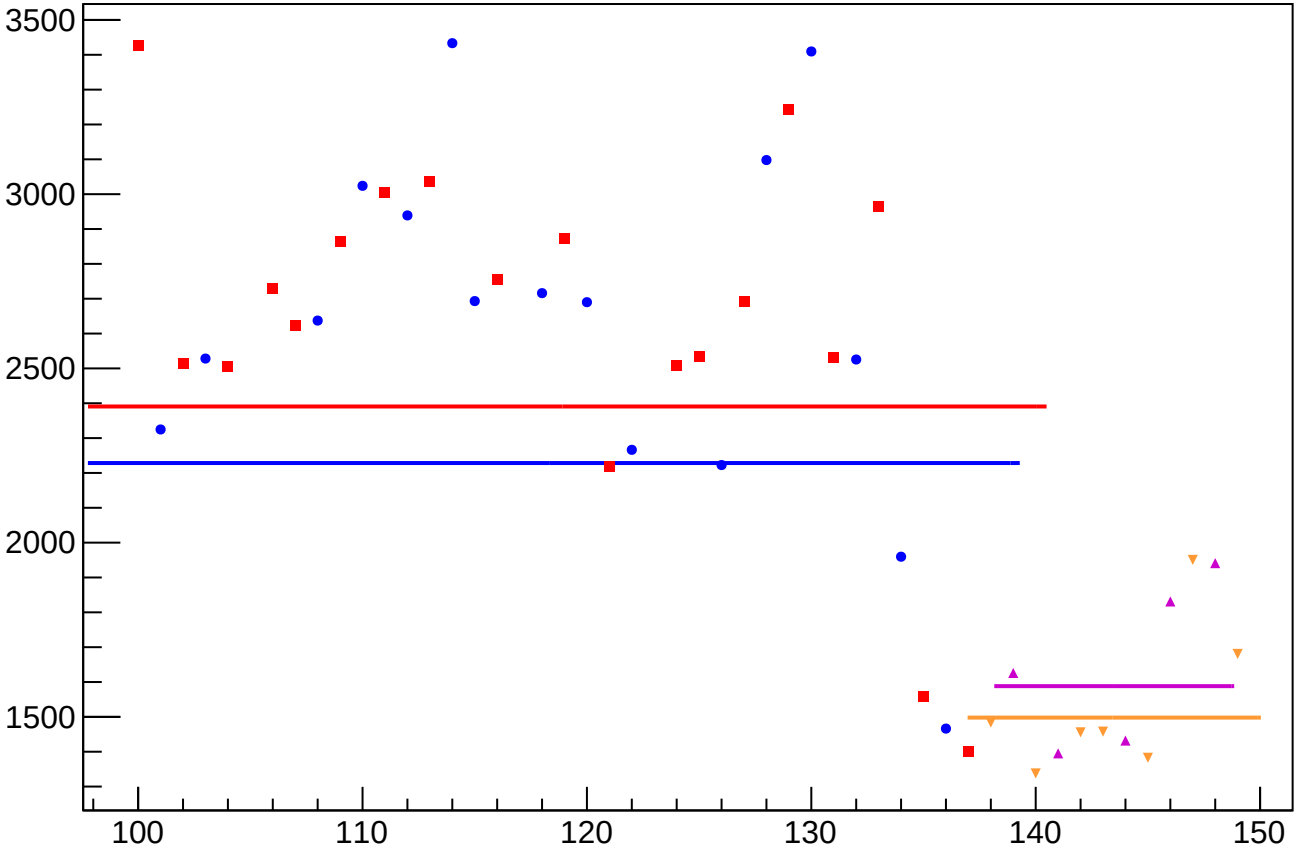
Left In: 825.033+/-767.859 χ^2/NDF:2.7/4

\+ sign -930.576+/-520.452 χ^2/NDF: 28.9/22

All: -402.697+/-388.752 χ^2/NDF: 49.5/46

\- 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: 1497.914+/-0.463 χ^2/NDF:145933.5/6

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

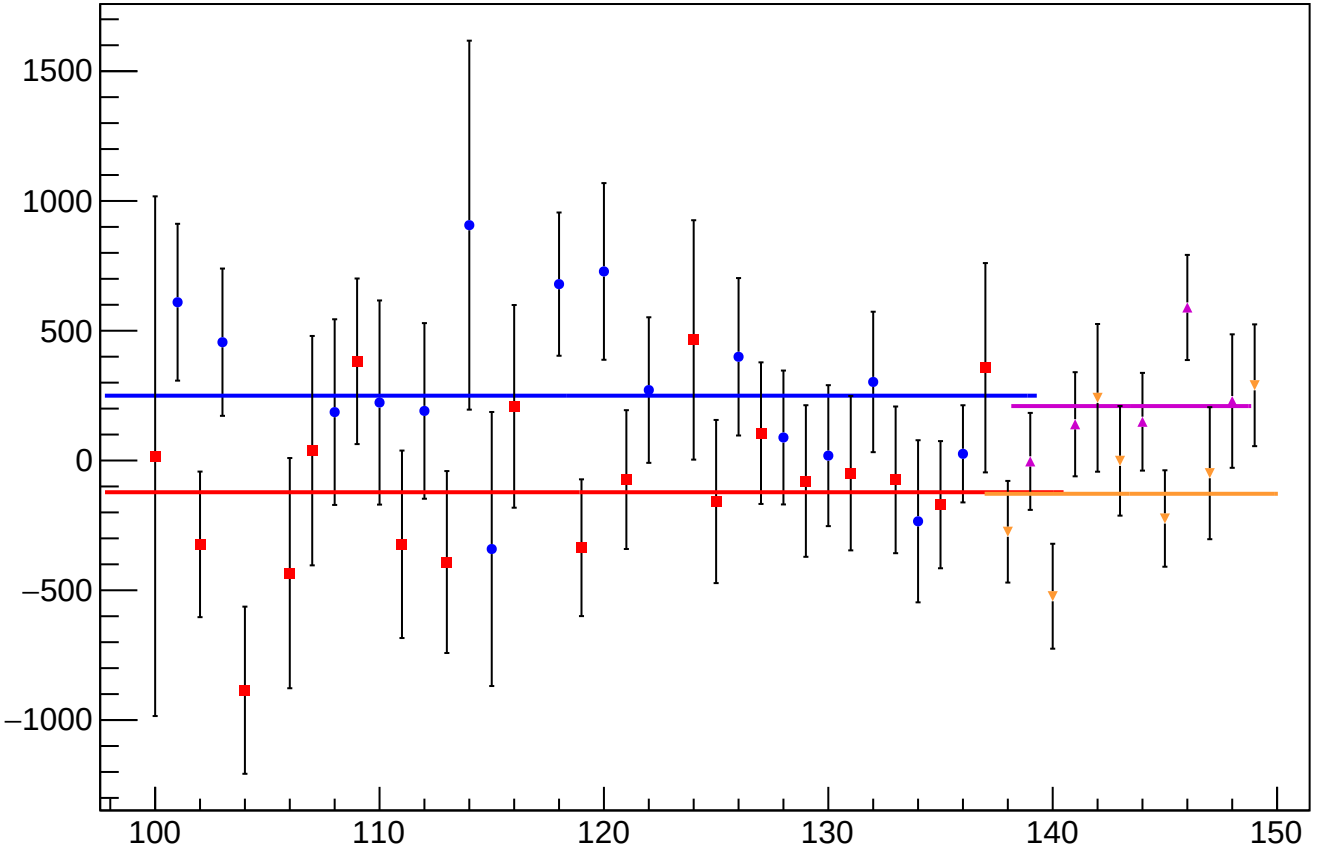
Left In: 1588.157+/-0.543 χ^2/NDF:142584.4/4

+ sign 1766.026+/-0.368 χ^2/NDF: 2008995.0/22

All: 1836.471+/-0.275 χ^2/NDF: 3942524.7/46

- 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: -128.215+/-82.227 χ^2/NDF:10.0/6

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

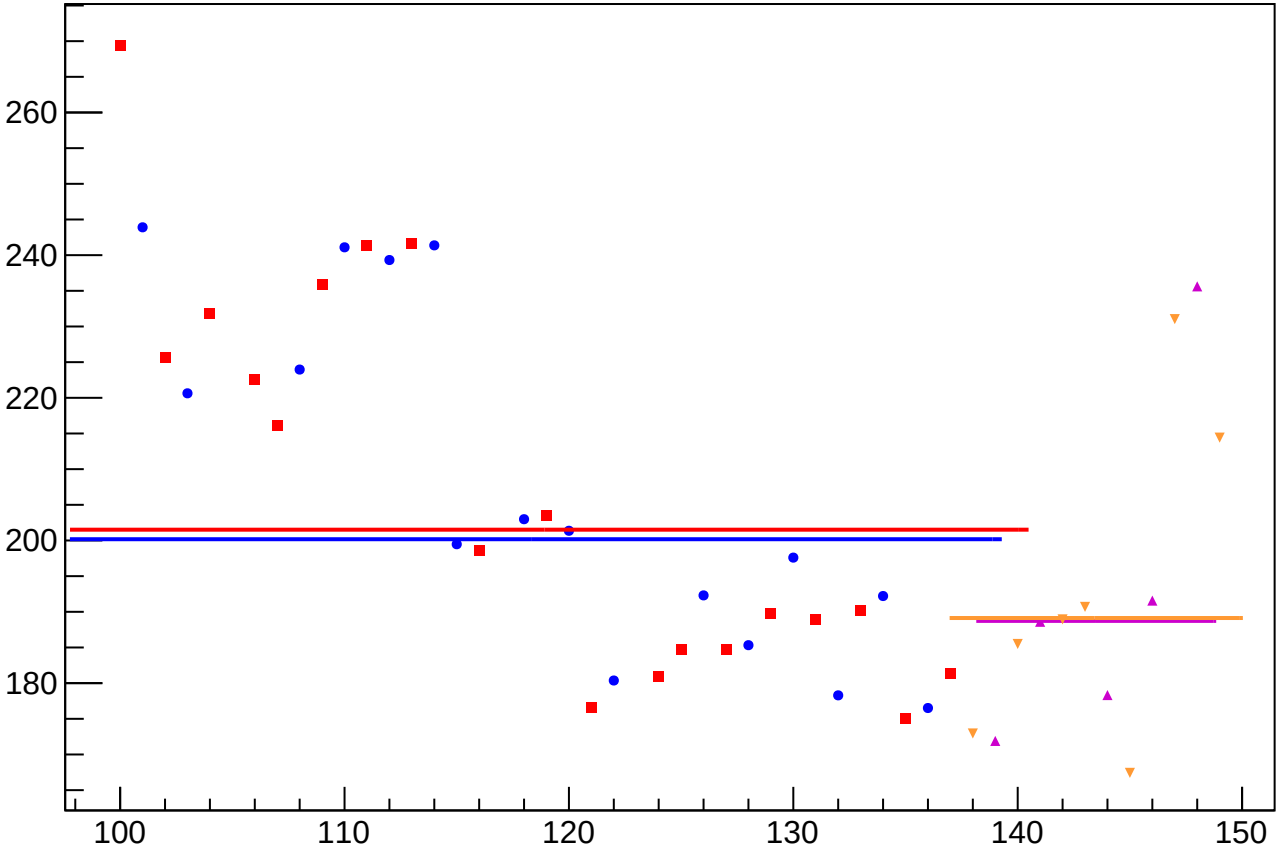
Left In: 209.717+/-90.836 χ^2/NDF:5.0/4

+ sign 78.418+/-55.362 χ^2/NDF: 35.3/22

All: 46.022+/-39.898 χ^2/NDF: 64.5/46

- 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: 189.131+/-0.058 χ^2/NDF:119225.4/6

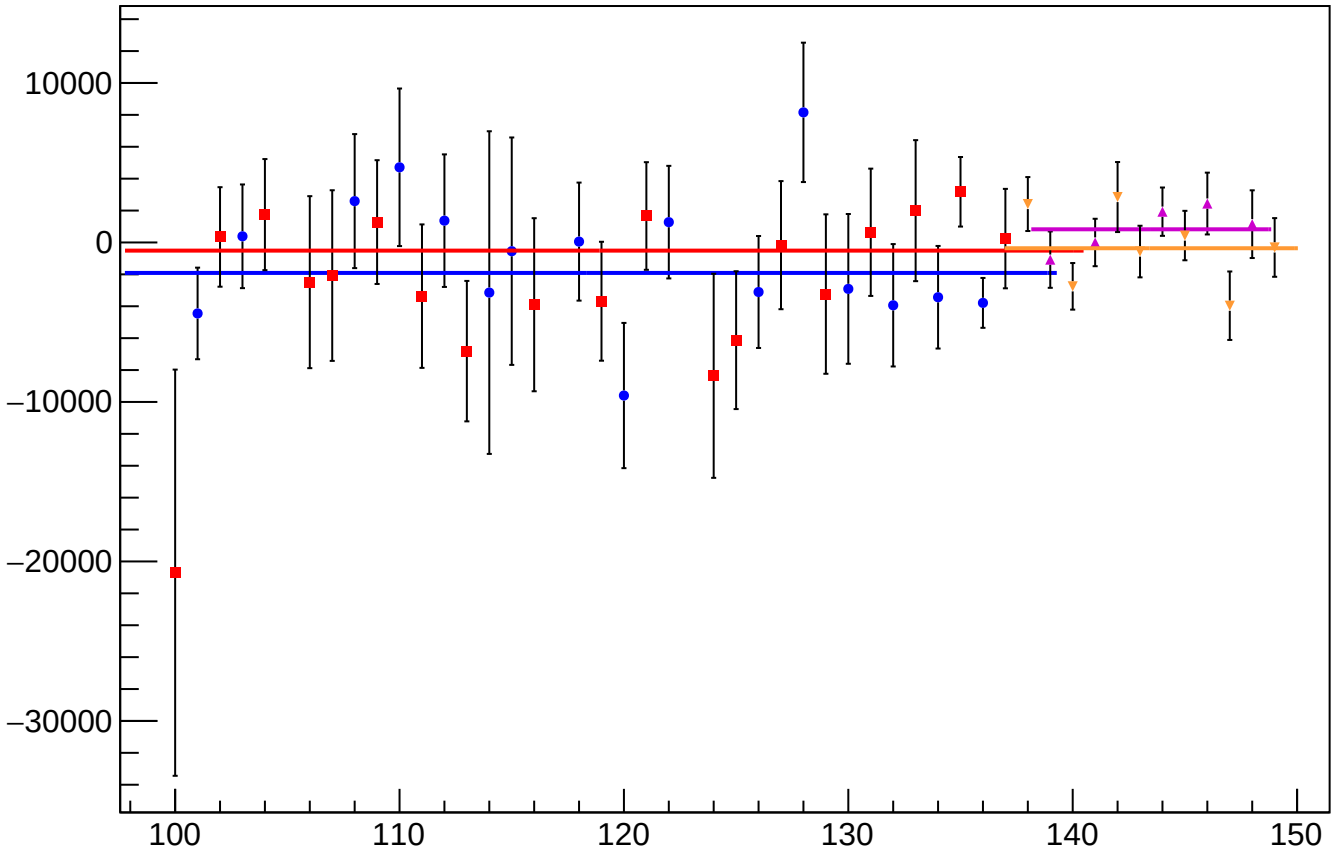
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 188.728+/-0.064 χ^2/NDF:89221.0/4

+ sign 195.169+/-0.039 χ^2/NDF: 319958.3/22

All: 195.752+/-0.028 χ^2/NDF: 628792.9/46

- 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: -362.510+/-654.160 χ^2/NDF:10.6/6

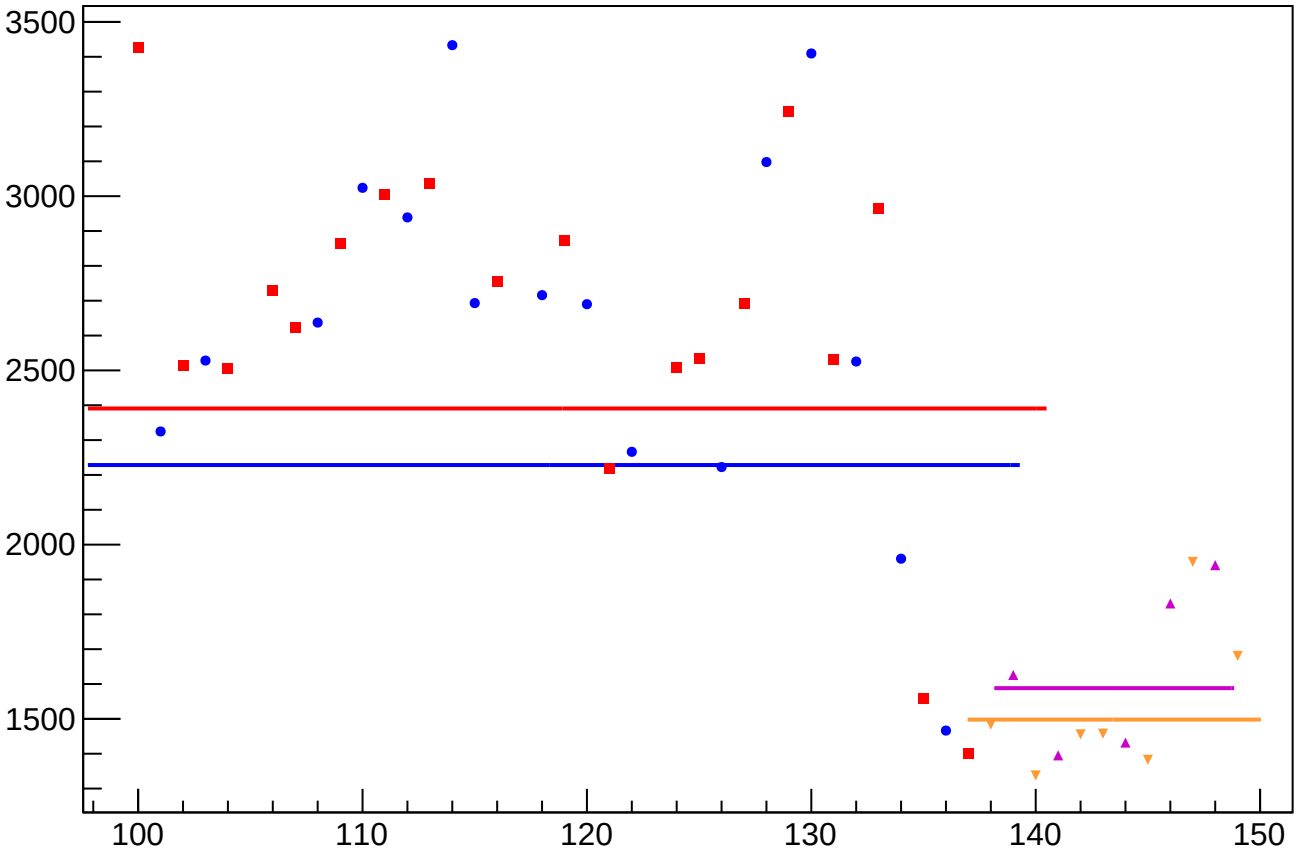
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 825.033+/-767.859 χ^2/NDF:2.7/4

+ sign -930.576+/-520.452 χ^2/NDF: 28.9/22

All: -402.697+/-388.752 χ^2/NDF: 49.5/46

- sign 263.547+/-584.695 χ^2/NDF: 18.2/23



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1497.914+/-0.463 χ^2/NDF:145933.5/6

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

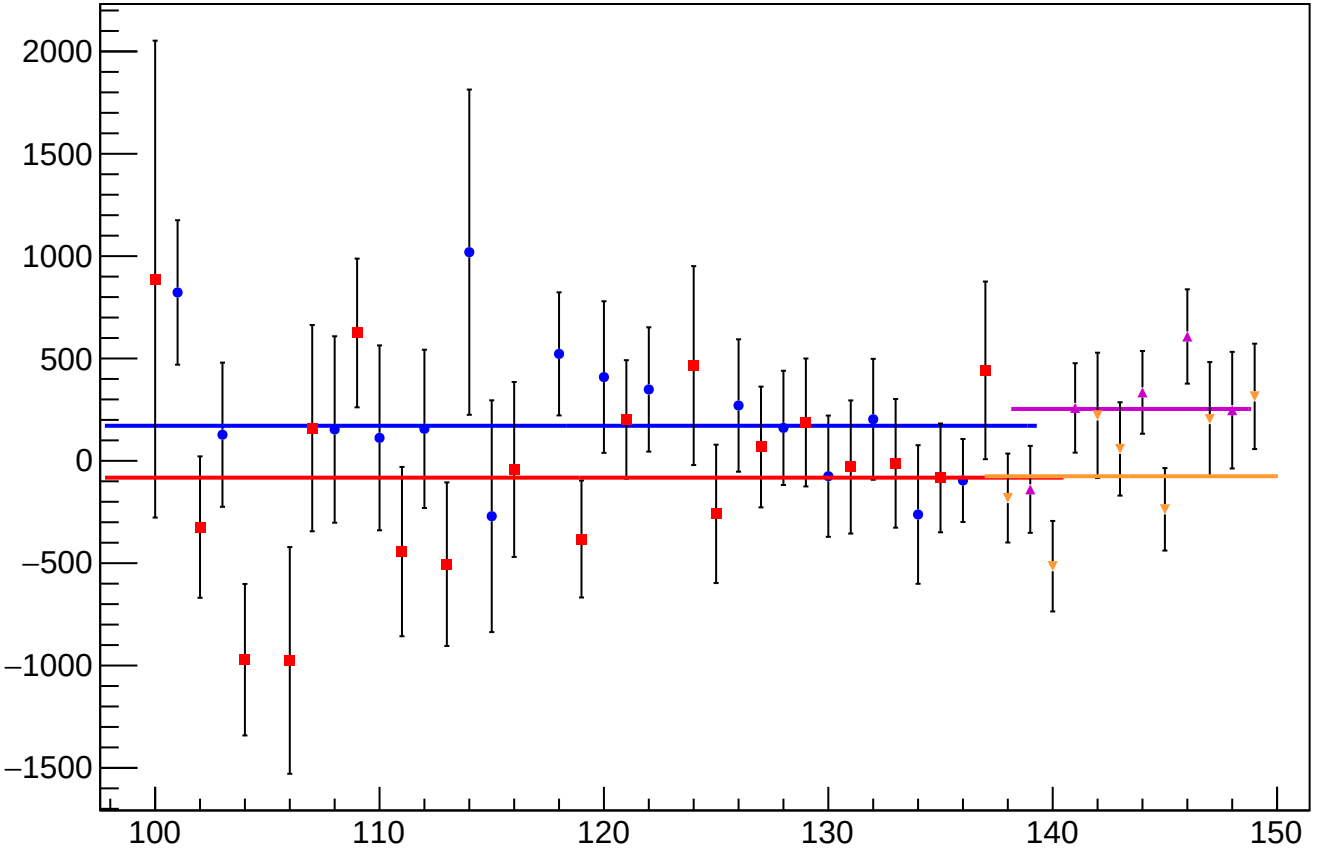
Left In: 1588.157+/-0.543 χ^2/NDF:142584.4/4

+ sign 1766.026+/-0.368 χ^2/NDF: 2008995.0/22

All: 1836.471+/-0.275 χ^2/NDF: 3942524.7/46

- 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: -75.297+/-89.750 χ^2/NDF:9.4/6

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

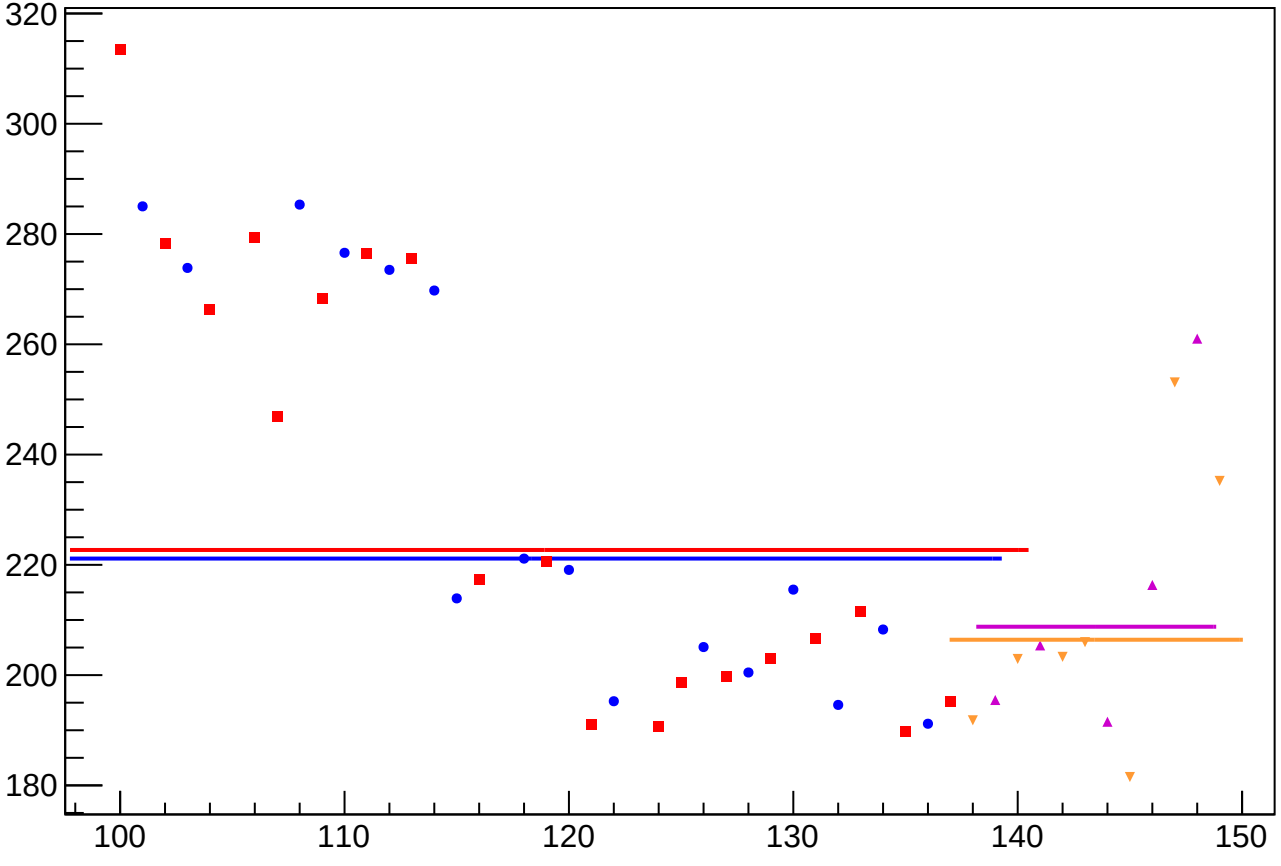
Left In: 253.397+/-100.637 χ^2/NDF:5.9/4

+ sign 57.429+/-60.982 χ^2/NDF: 25.0/22

All: 55.221+/-44.091 χ^2/NDF: 59.2/46

- 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: 206.416+/-0.063 χ^2/NDF:121454.3/6

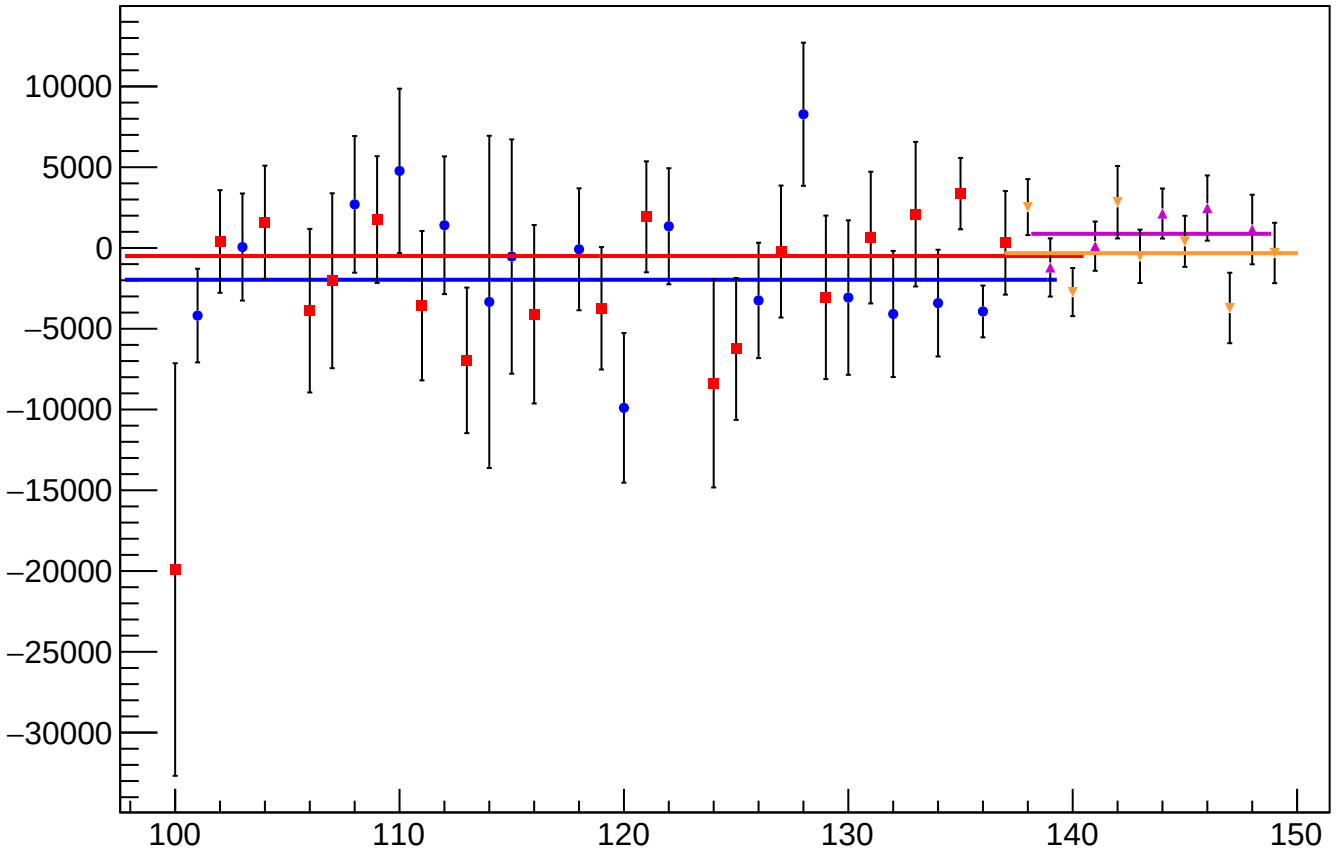
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 208.777+/-0.071 χ^2/NDF:92270.3/4

+ sign 214.342+/-0.043 χ^2/NDF: 469129.1/22

All: 215.658+/-0.031 χ^2/NDF: 913257.8/46

- 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: -321.410+/-667.346 χ^2/NDF:10.0/6

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

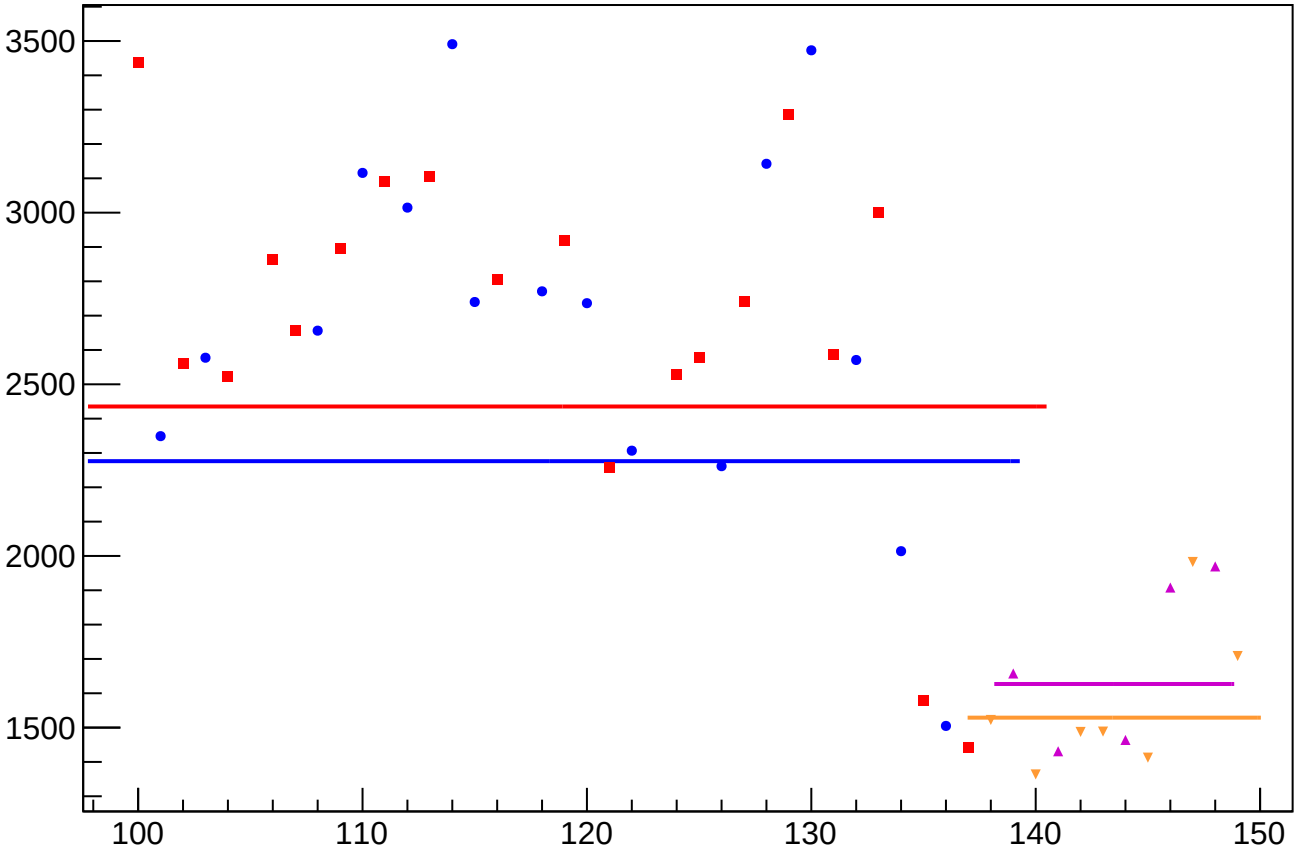
Left In: 877.343+/-786.684 χ^2/NDF:2.9/4

+ sign -925.342+/-530.988 χ^2/NDF: 28.3/22

All: -386.713+/-396.599 χ^2/NDF: 49.6/46

- 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: 1528.970+/-0.472 χ^2/NDF:142344.2/6

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

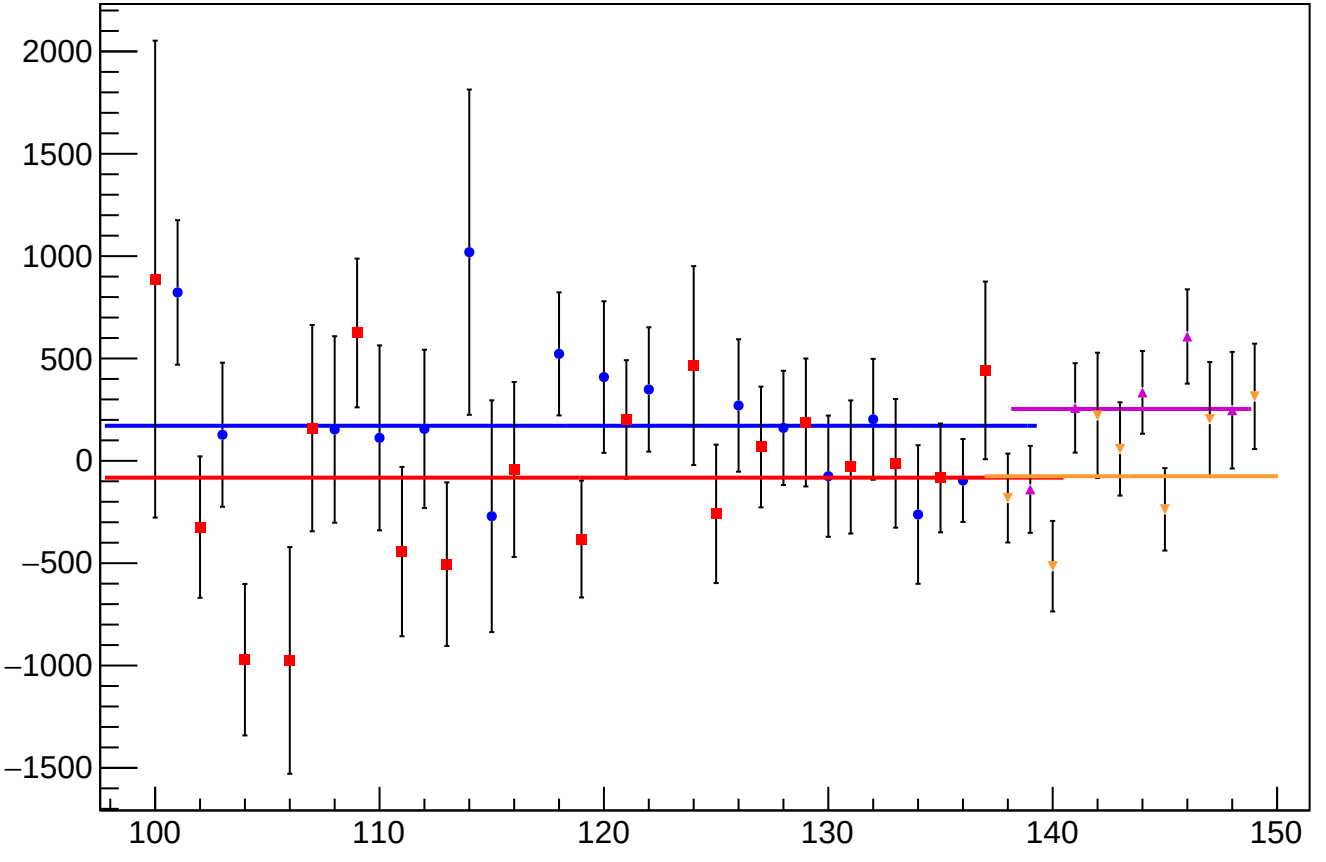
Left In: 1627.003+/-0.556 χ^2/NDF:145063.7/4

+ sign 1803.110+/-0.375 χ^2/NDF: 1989177.3/22

All: 1877.195+/-0.280 χ^2/NDF: 3911597.5/46

- 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: -75.302+/-89.750 χ^2/NDF:9.4/6

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

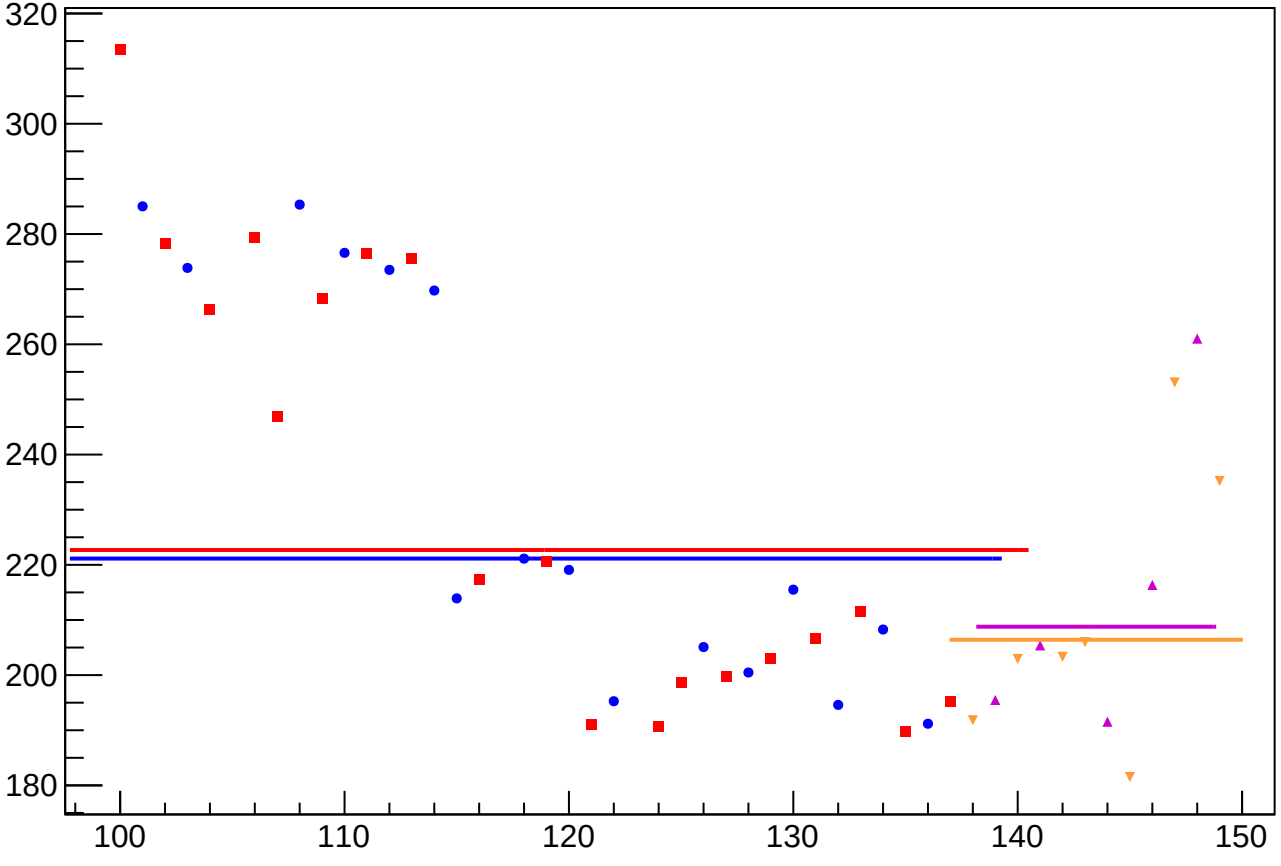
Left In: 253.397+/-100.637 χ^2/NDF:5.9/4

+ sign 57.428+/-60.982 χ^2/NDF: 25.0/22

All: 55.221+/-44.091 χ^2/NDF: 59.2/46

- 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: 206.416+/-0.063 χ^2/NDF:121456.9/6

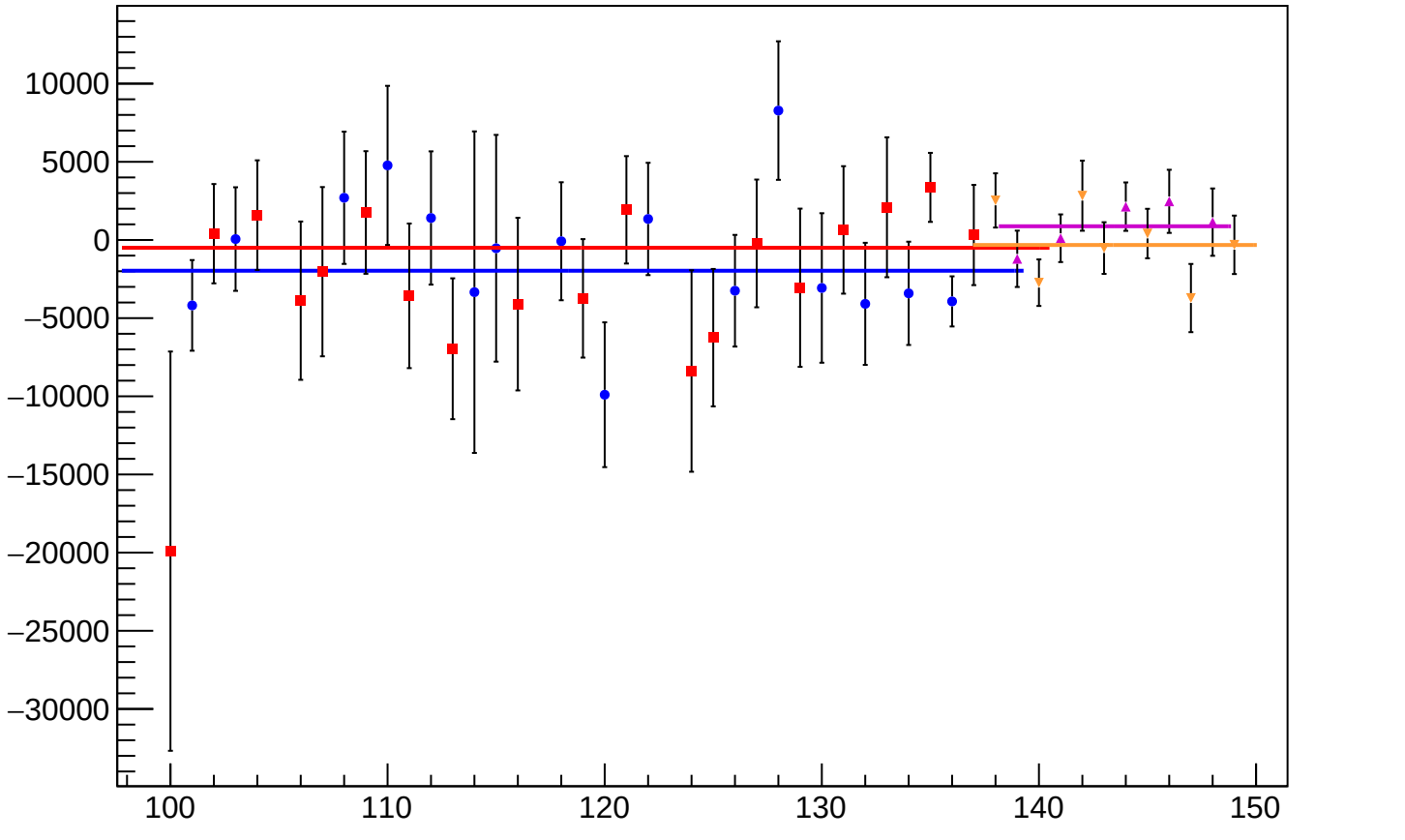
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 208.777+/-0.071 χ^2/NDF:92271.1/4

+ sign 214.341+/-0.043 χ^2/NDF: 469123.3/22

All: 215.657+/-0.031 χ^2/NDF: 913244.0/46

- 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: -321.414+/-667.345 χ^2/NDF:10.0/6

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

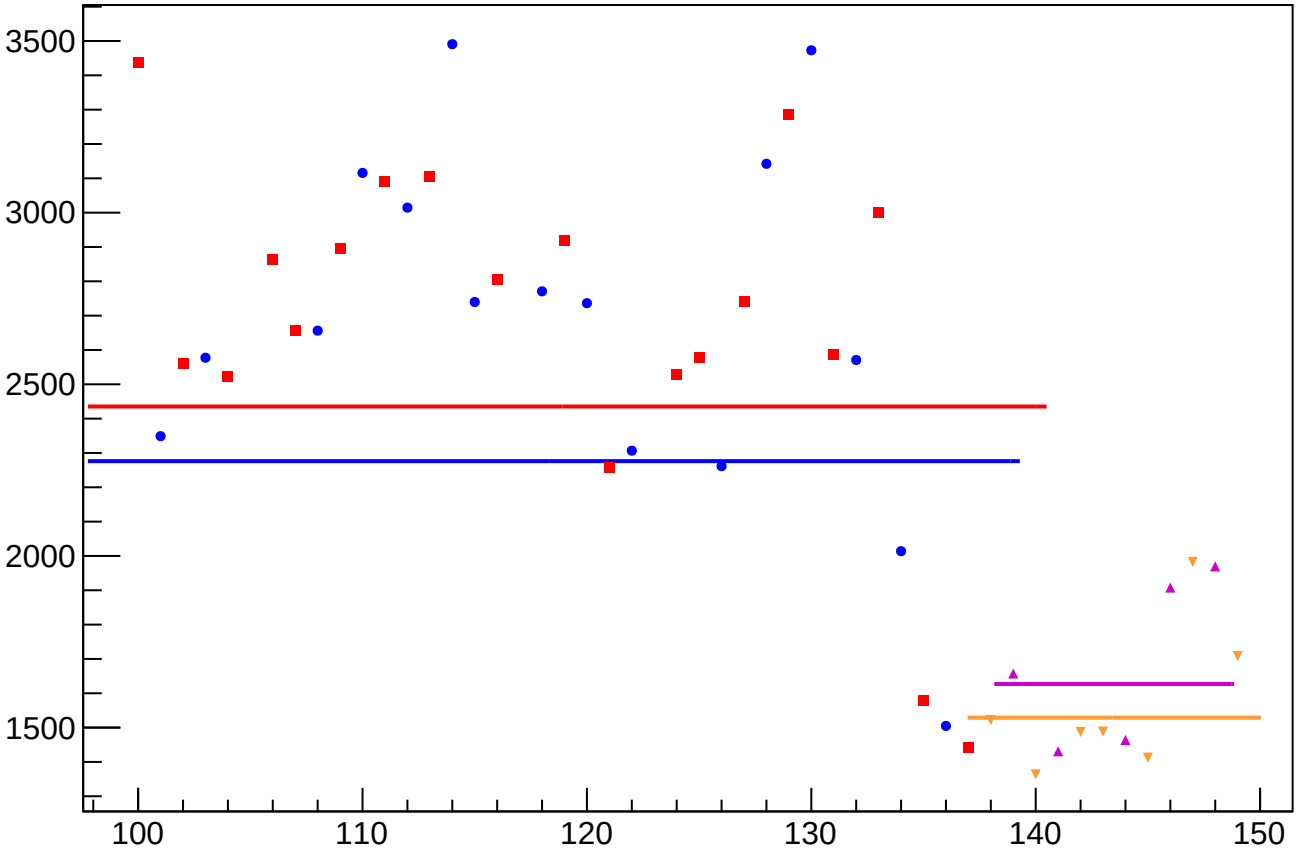
Left In: 877.342+/-786.683 χ^2/NDF:2.9/4

+ sign -925.342+/-530.987 χ^2/NDF: 28.3/22

All: -386.714+/-396.599 χ^2/NDF: 49.6/46

- 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: 1528.968+/-0.472 χ^2/NDF:142344.9/6

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

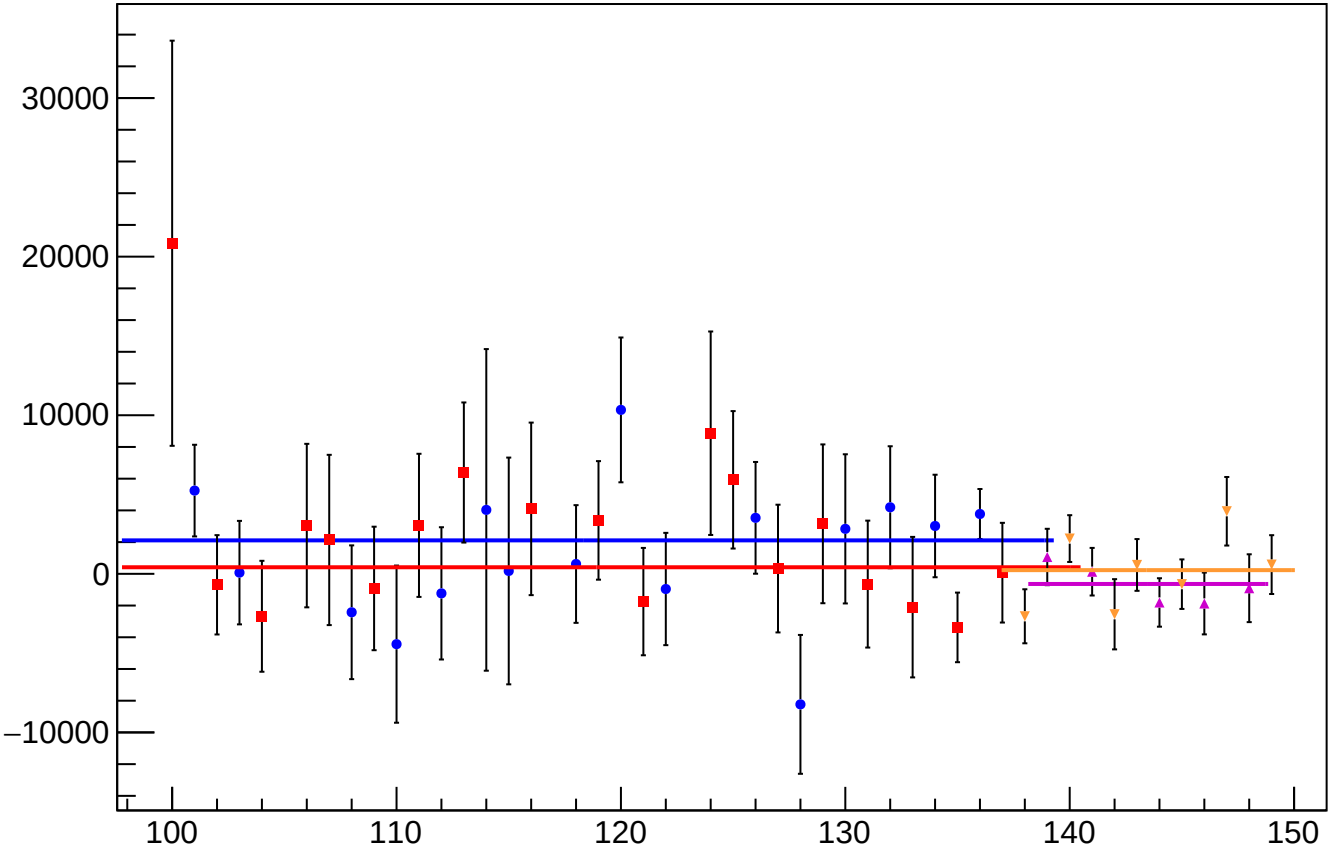
Left In: 1627.002+/-0.556 χ^2/NDF:145063.2/4

+ sign 1803.108+/-0.375 χ^2/NDF: 1989167.9/22

All: 1877.193+/-0.280 χ^2/NDF: 3911578.4/46

- 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: 232.683+/-659.528 χ^2/NDF:9.7/6

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

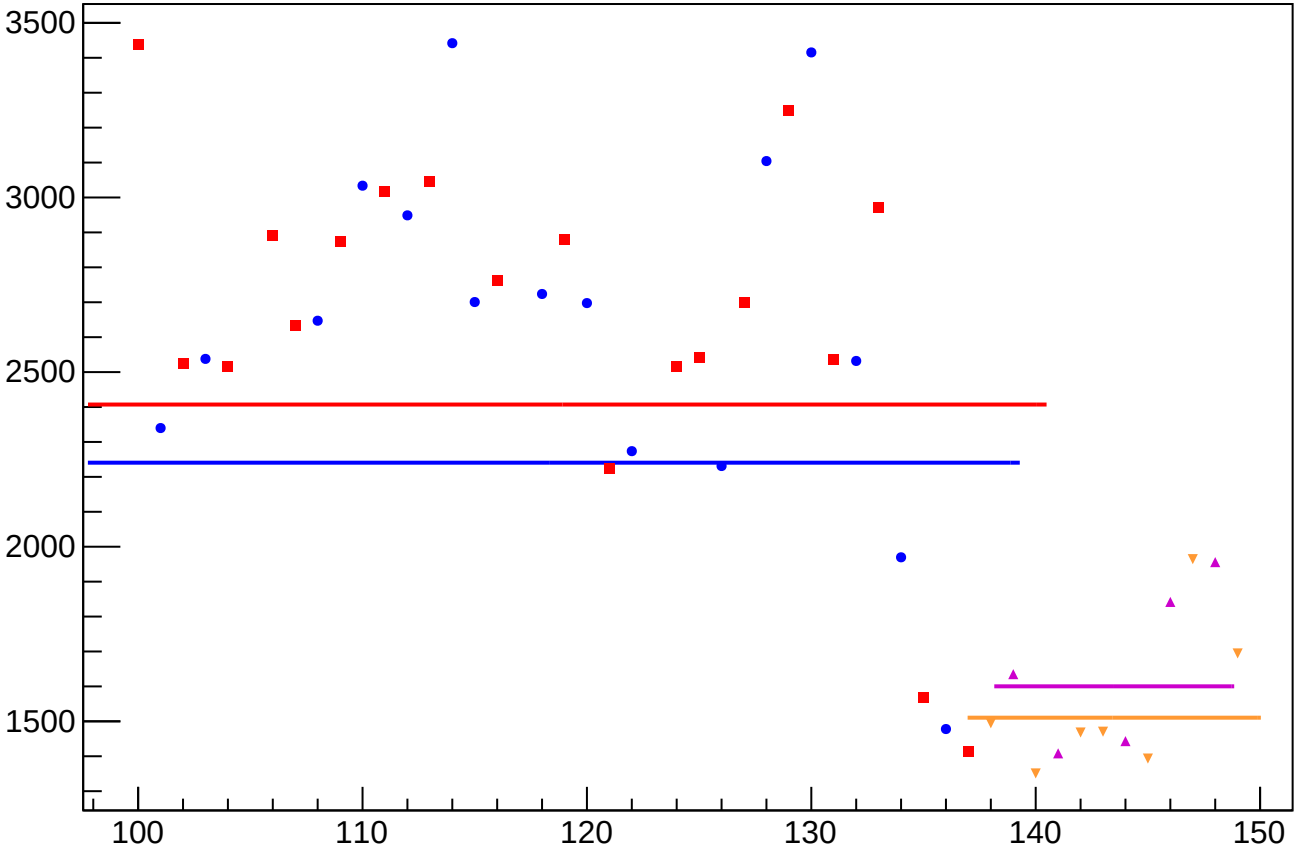
Left In: -639.493+/-773.556 χ^2/NDF:2.2/4

+ sign 924.393+/-524.088 χ^2/NDF: 29.3/22

All: 428.964+/-391.197 χ^2/NDF: 48.9/46

- 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: 1510.441+/-0.466 χ^2/NDF:144666.2/6

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

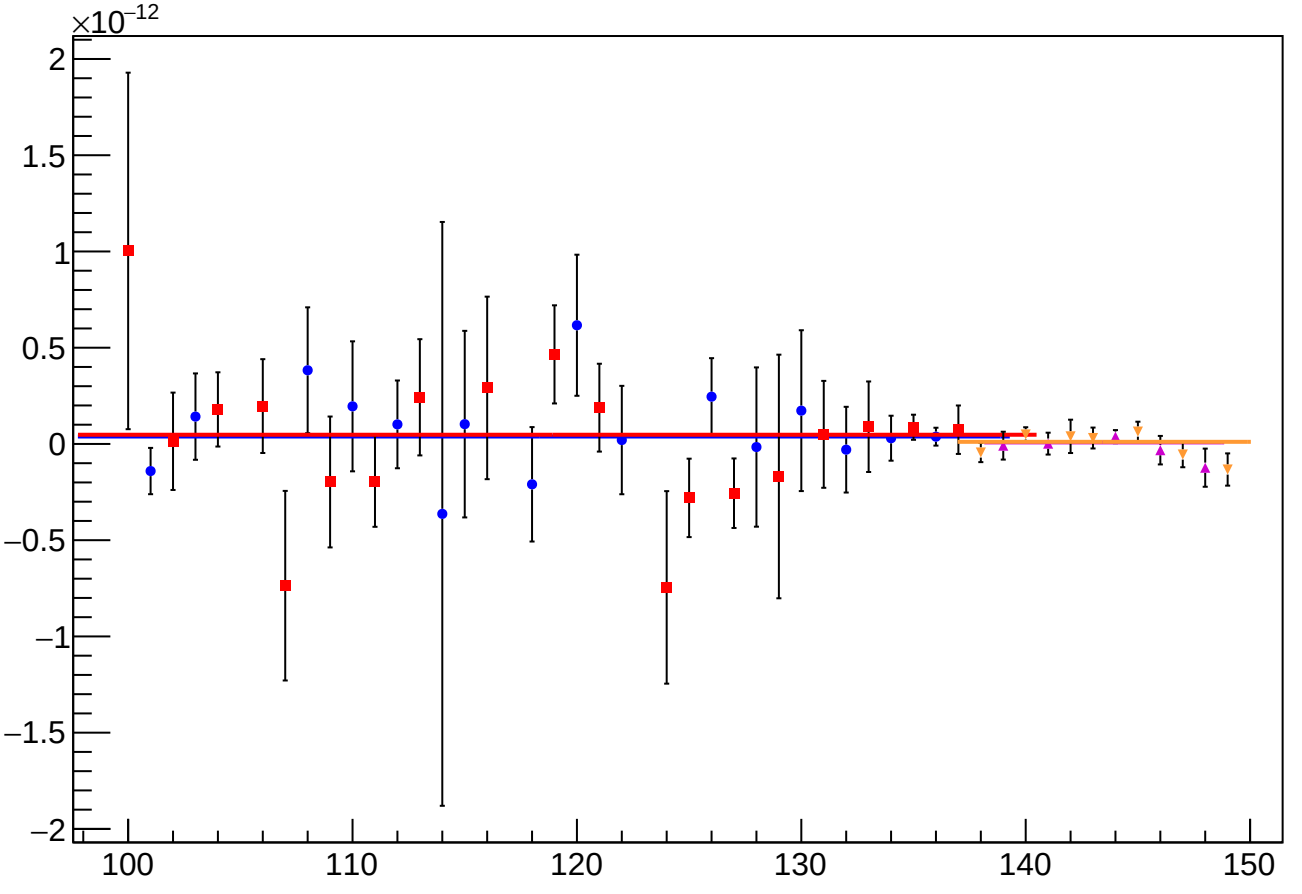
Left In: 1600.222+/-0.547 χ^2/NDF:140648.6/4

+ sign 1779.549+/-0.371 χ^2/NDF: 1981744.9/22

All: 1851.101+/-0.277 χ^2/NDF: 3914944.3/46

- sign 1941.126+/-0.416 χ^2/NDF: 1849015.6/23

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.5/6

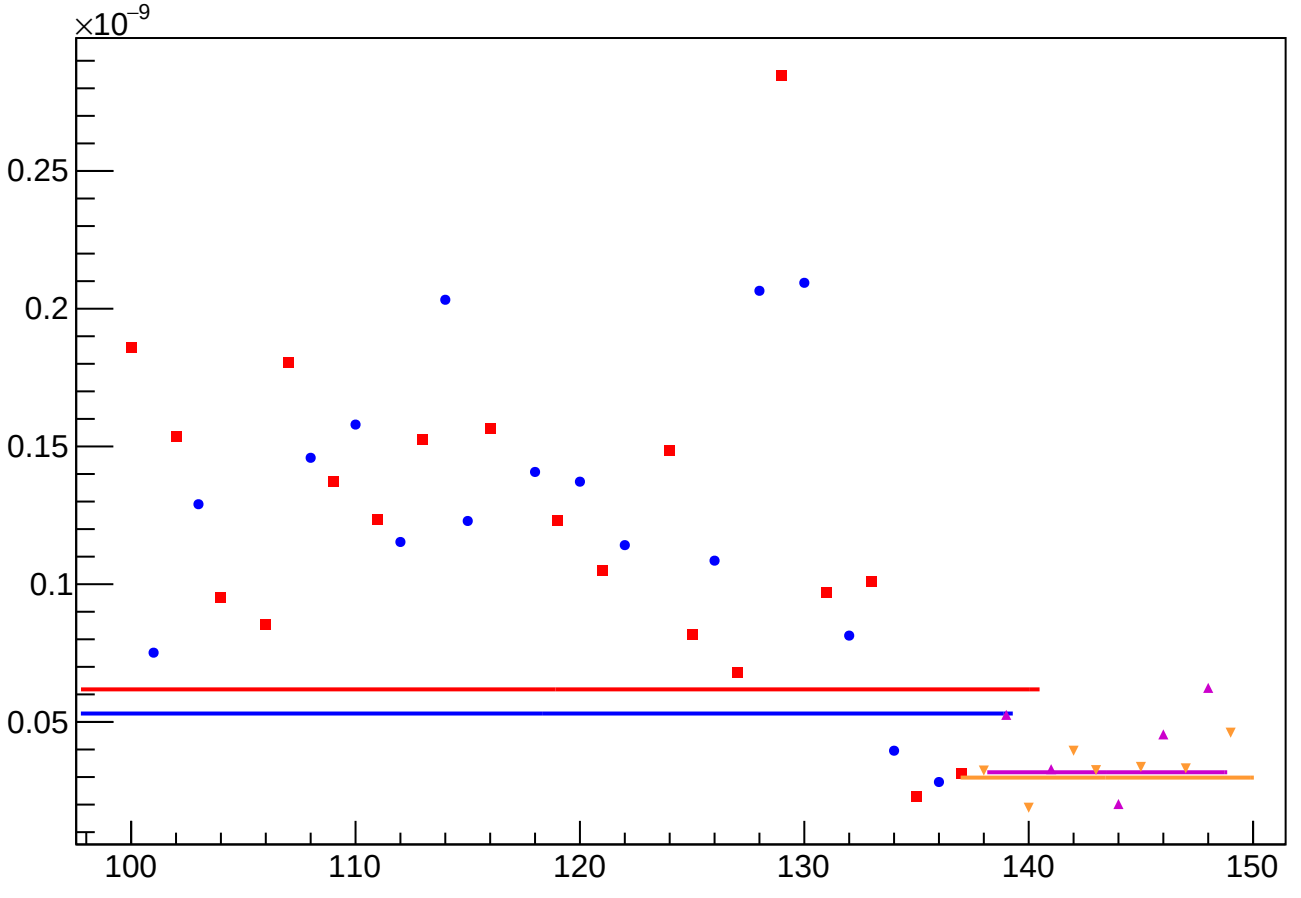
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 16.4/22

All: 0.000+/-0.000 χ^2/NDF: 38.1/46

- 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:298165.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

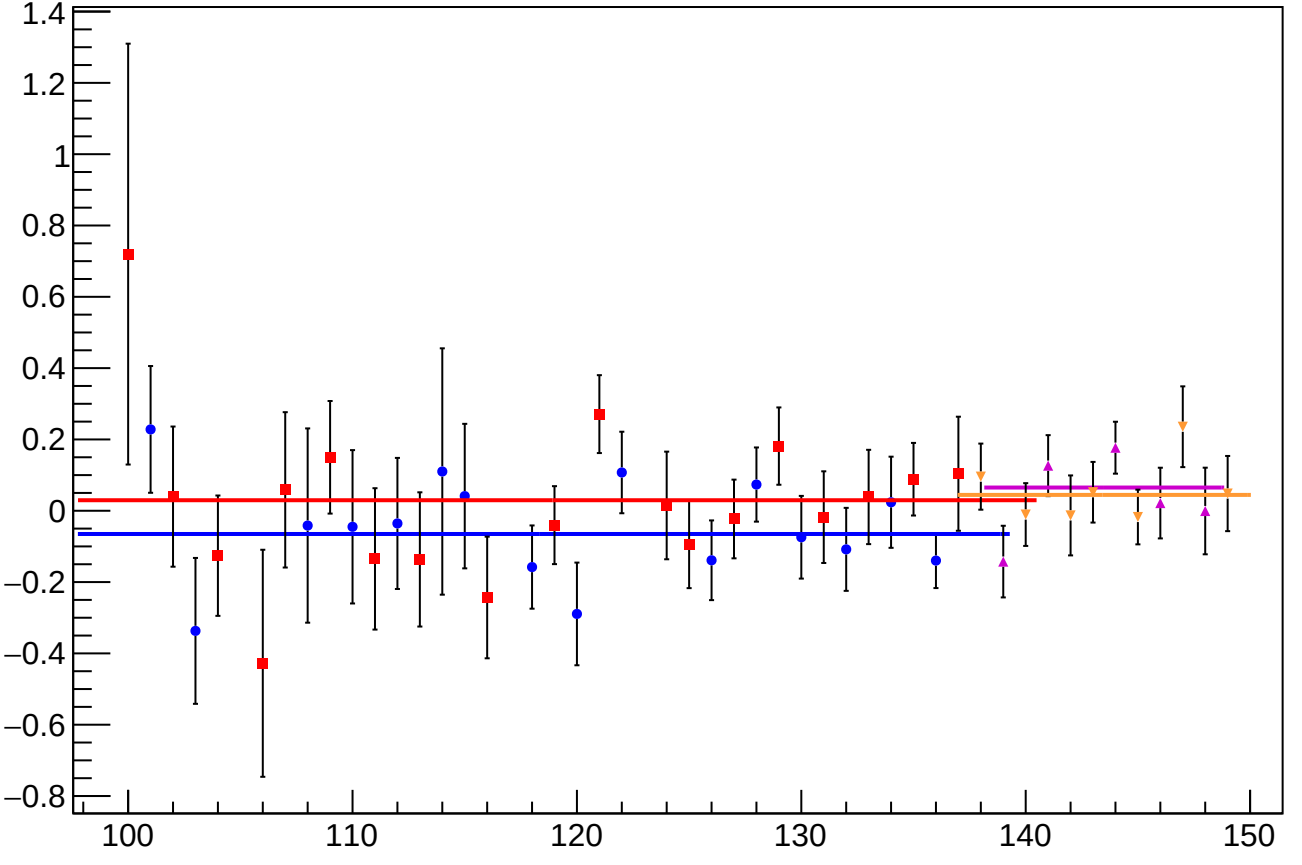
Left In: 0.000+/-0.000 χ^2/NDF:656369.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 3492754.4/22

All: 0.000+/-0.000 χ^2/NDF: 7326631.1/46

- 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+/-0.035 χ^2/NDF:4.5/6

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

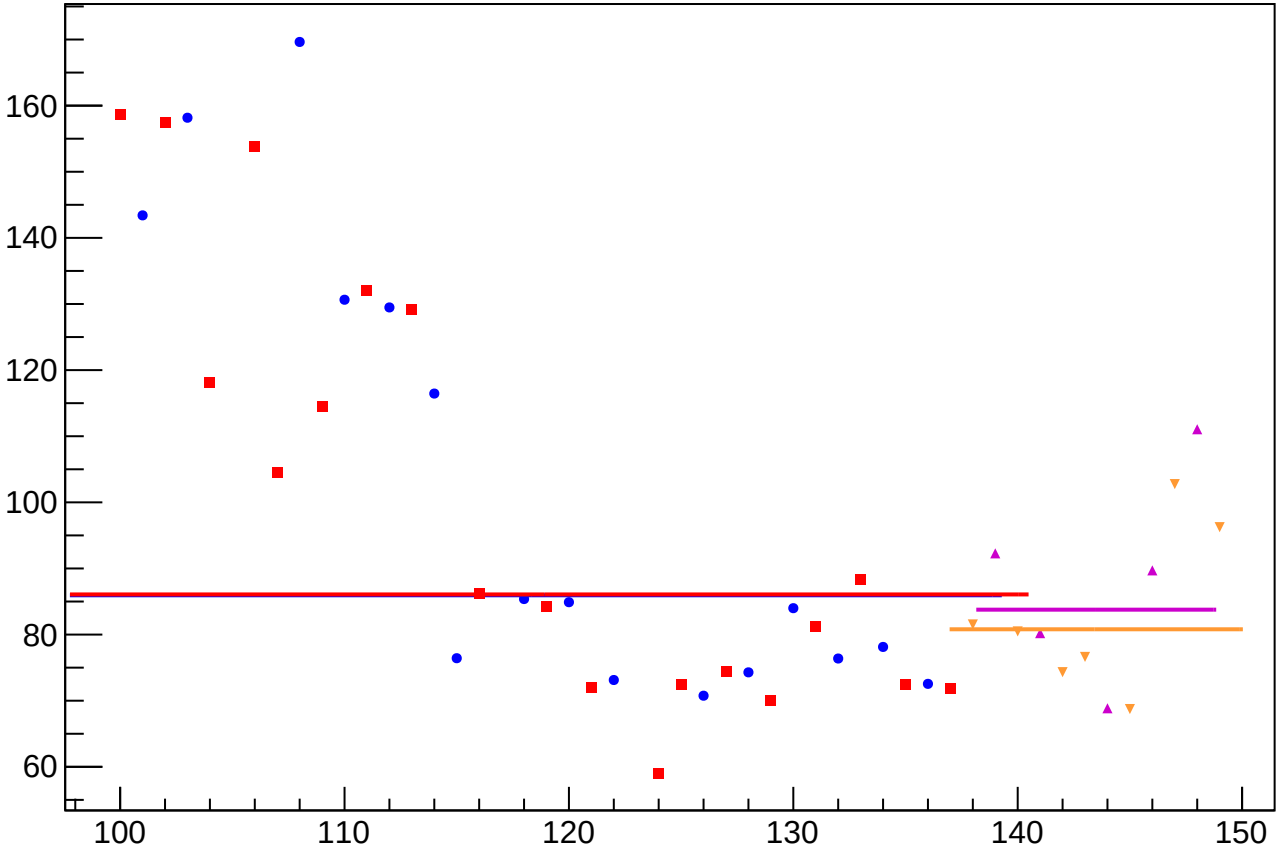
Left In: 0.065+/-0.041 χ^2/NDF:7.6/4

+ sign -0.014+/-0.024 χ^2/NDF: 23.7/22

All: 0.013+/-0.018 χ^2/NDF: 52.5/46

- 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: 80.802+/-0.025 χ^2/NDF:179228.5/6

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

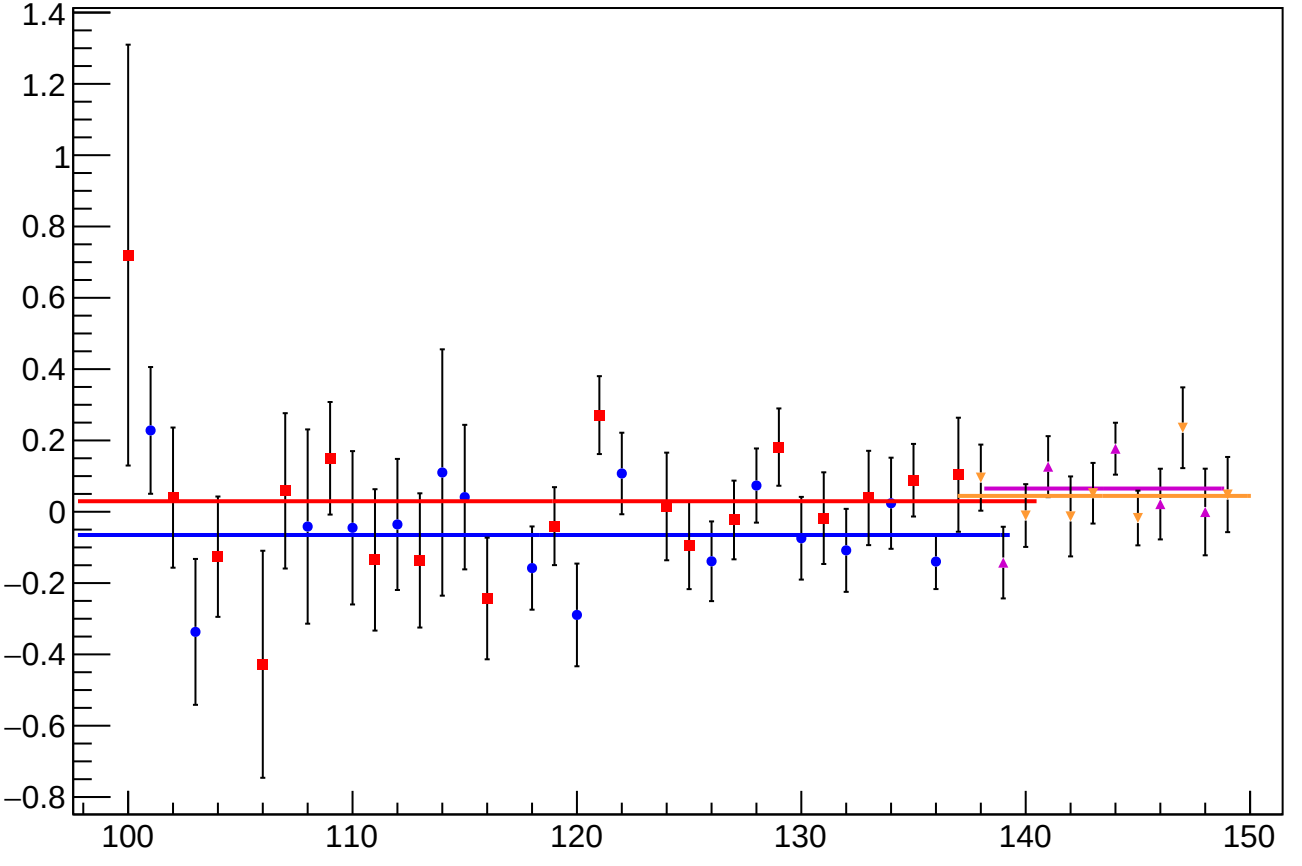
Left In: 83.769+/-0.029 χ^2/NDF:209856.3/4

+ sign 83.525+/-0.017 χ^2/NDF: 1236682.1/22

All: 84.299+/-0.012 χ^2/NDF: 2446075.6/46

- 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+/-0.035 χ^2/NDF:4.5/6

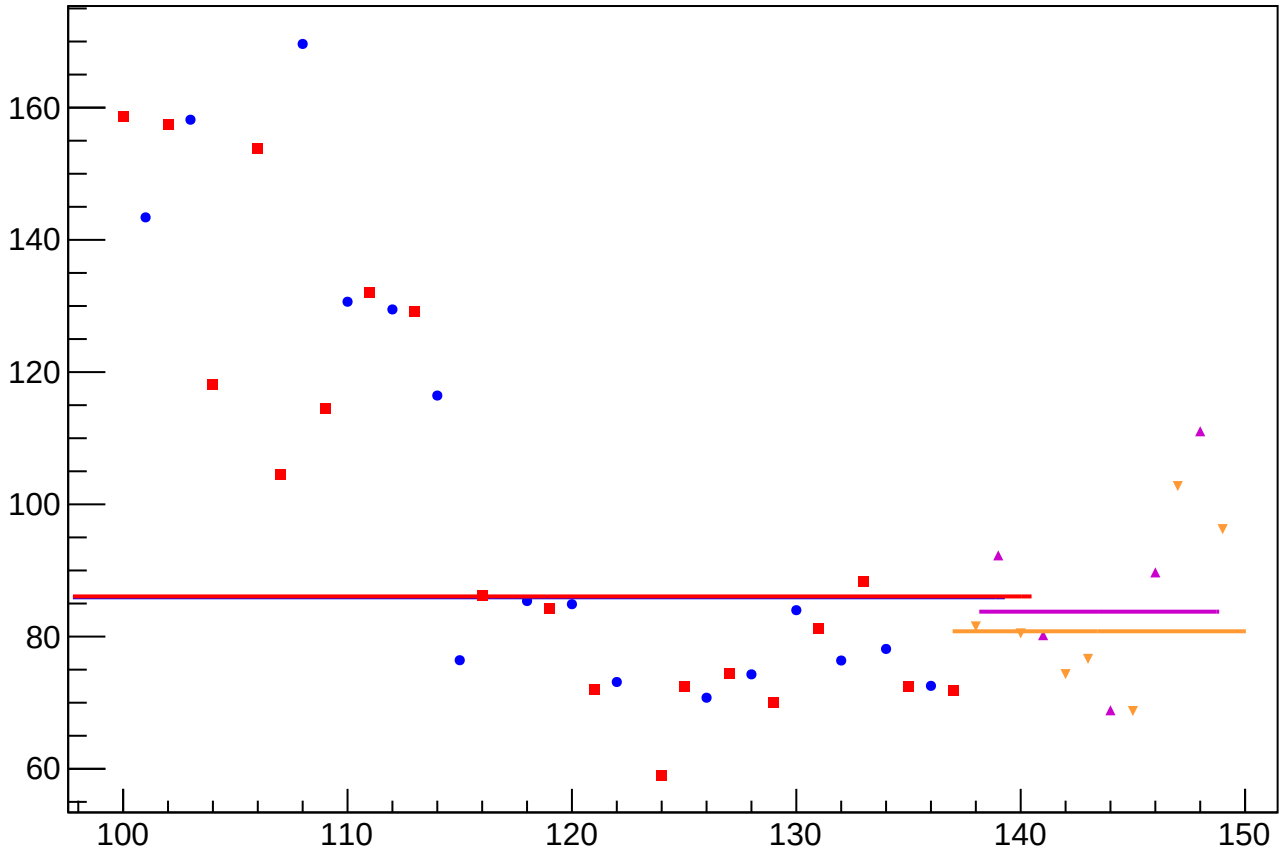
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.065+/-0.041 χ^2/NDF:7.6/4

+ sign -0.014+/-0.024 χ^2/NDF: 23.7/22

All: 0.013+/-0.018 χ^2/NDF: 52.5/46

- 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: 80.802+/-0.025 χ^2/NDF:179228.5/6

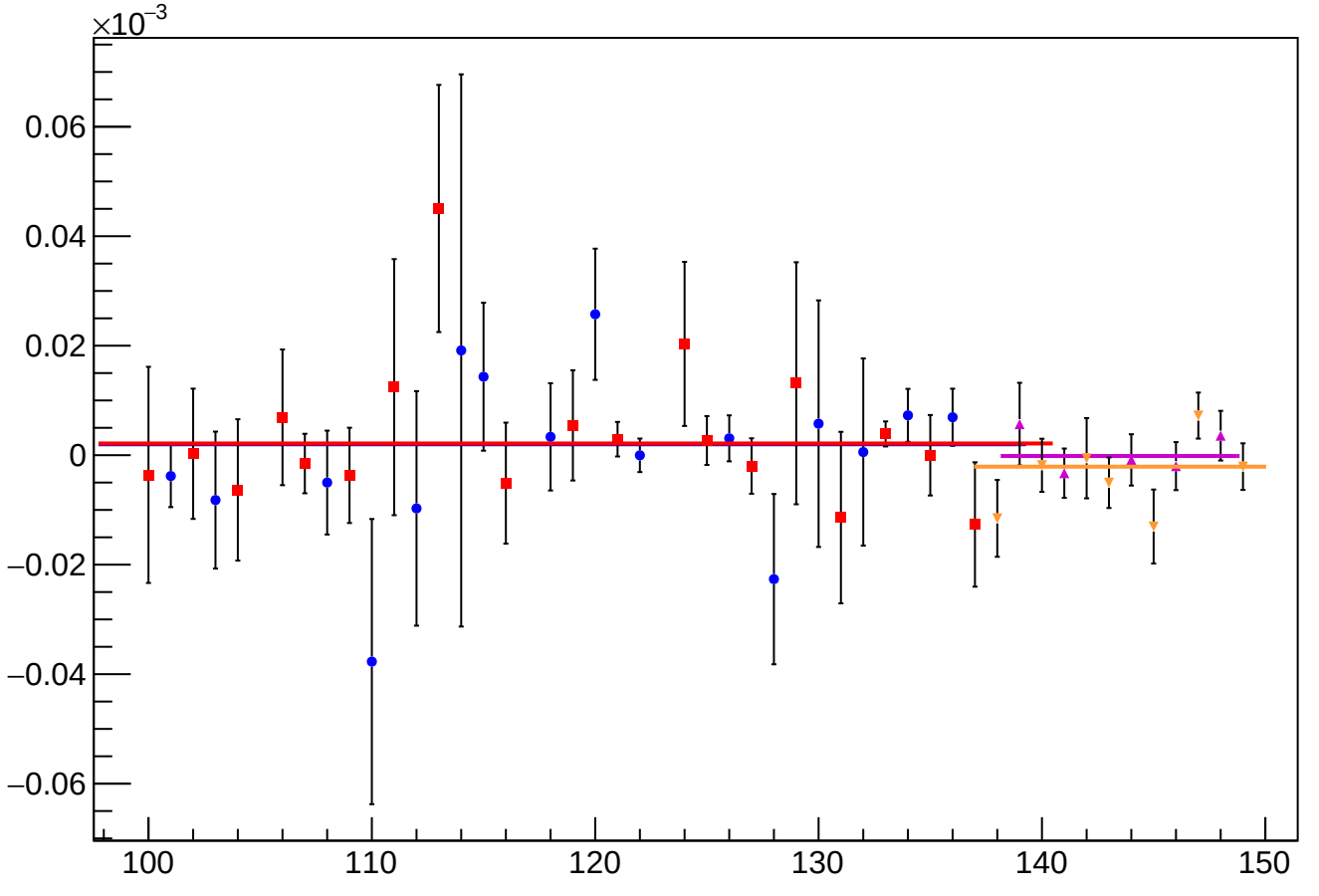
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.769+/-0.029 χ^2/NDF:209856.3/4

+ sign 83.525+/-0.017 χ^2/NDF: 1236682.1/22

All: 84.299+/-0.012 χ^2/NDF: 2446075.6/46

- 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:9.8/6

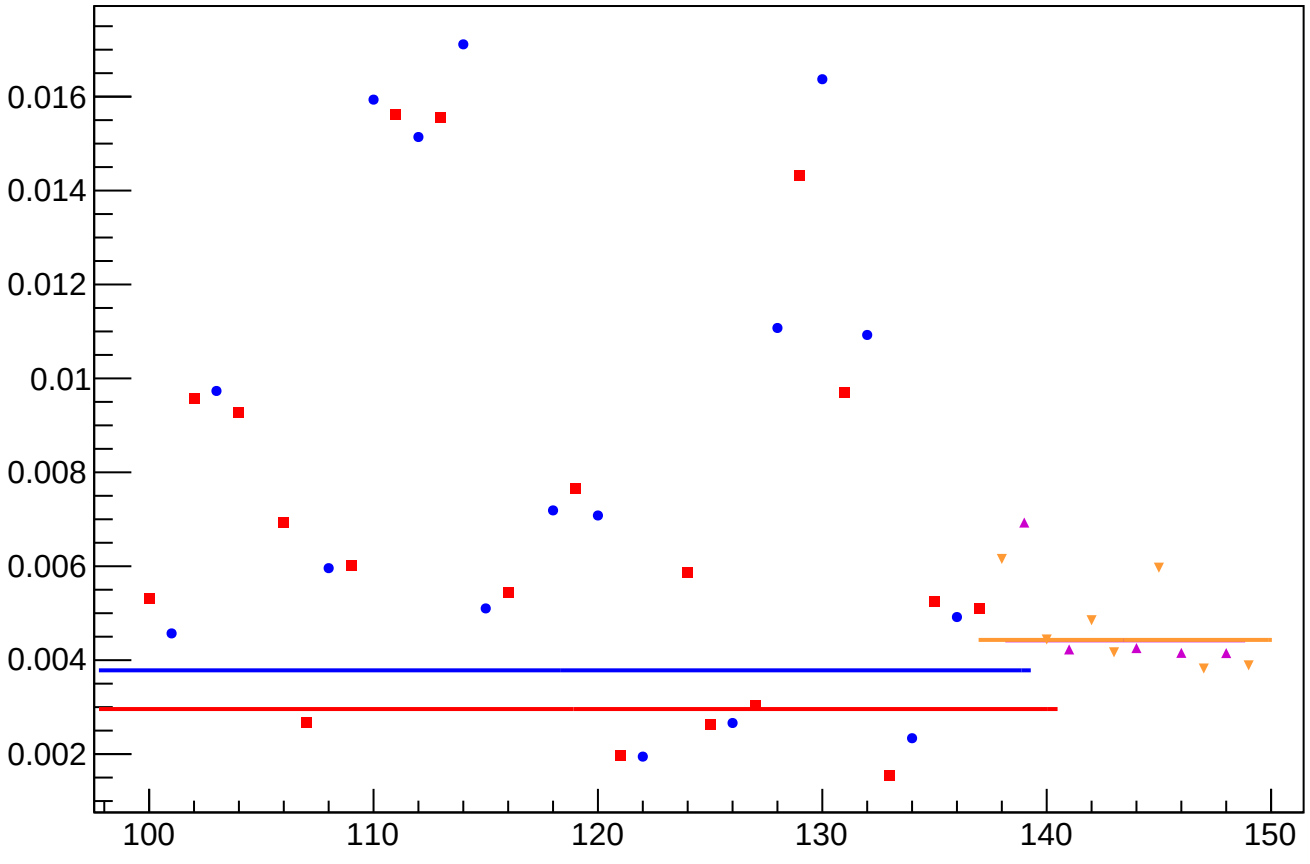
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 27.2/22

All: 0.000+/-0.000 χ^2/NDF: 41.9/46

- 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: 0.004+/-0.000 χ^2/NDF:311815.8/6

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

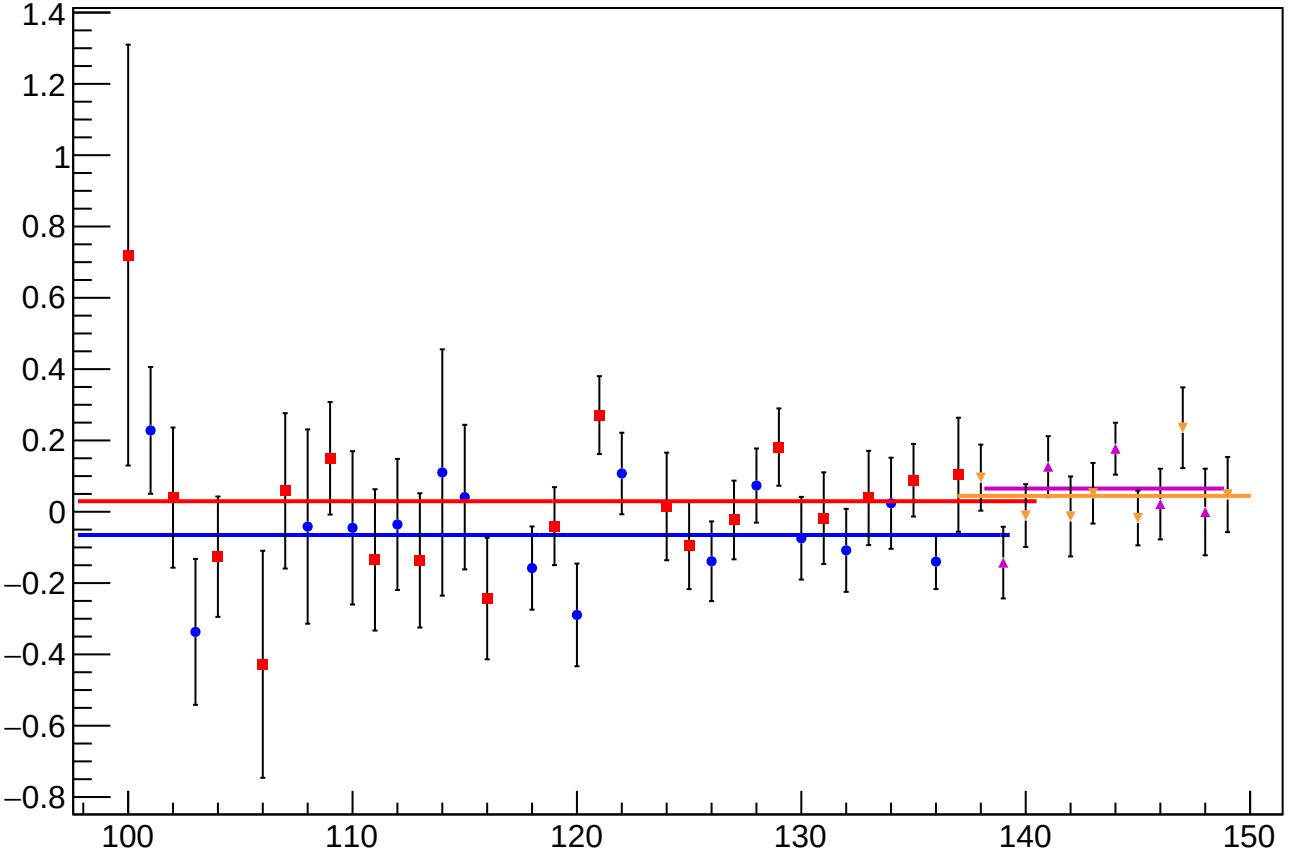
Left In: 0.004+/-0.000 χ^2/NDF:241644.0/4

+ sign 0.004+/-0.000 χ^2/NDF: 5128386.4/22

All: 0.004+/-0.000 χ^2/NDF: 11861174.5/46

- 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+/-0.035 χ^2/NDF:4.5/6

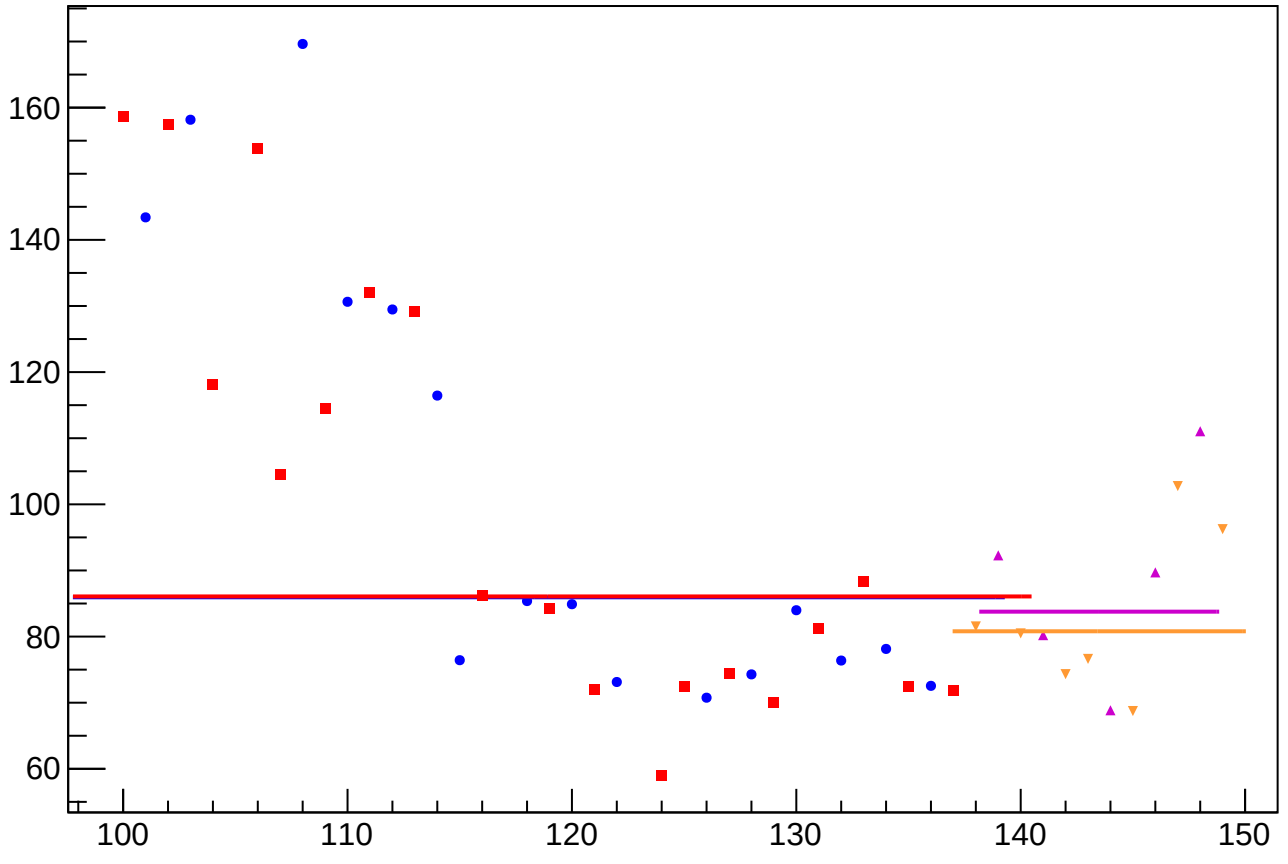
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.065+/-0.041 χ^2/NDF:7.6/4

+ sign -0.014+/-0.024 χ^2/NDF: 23.7/22

All: 0.013+/-0.018 χ^2/NDF: 52.5/46

- 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: 80.801+/-0.025 χ^2/NDF:179249.0/6

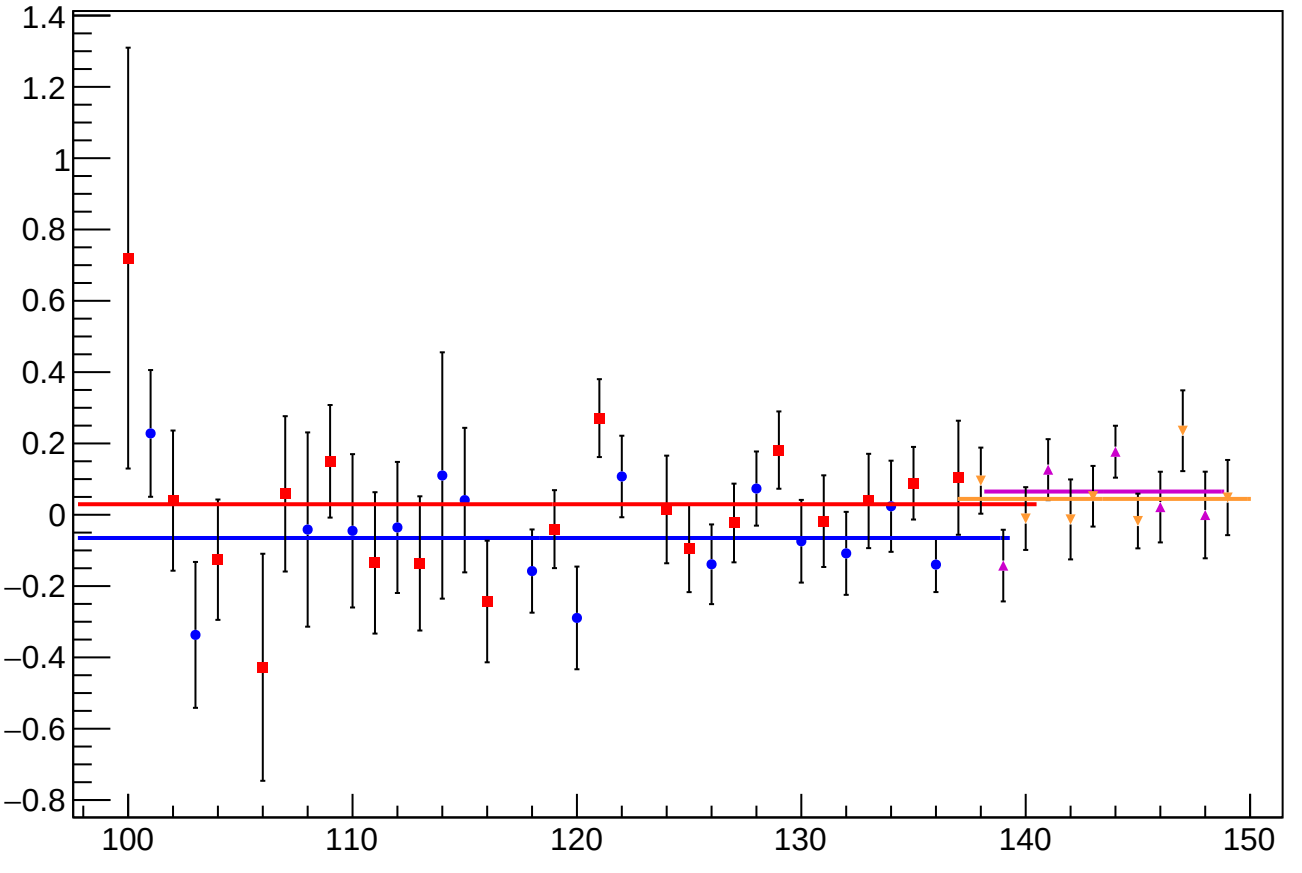
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.768+/-0.029 χ^2/NDF:209855.5/4

+ sign 83.523+/-0.017 χ^2/NDF: 1236671.5/22

All: 84.297+/-0.012 χ^2/NDF: 2446054.1/46

- 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+/-0.035 χ^2/NDF:4.5/6

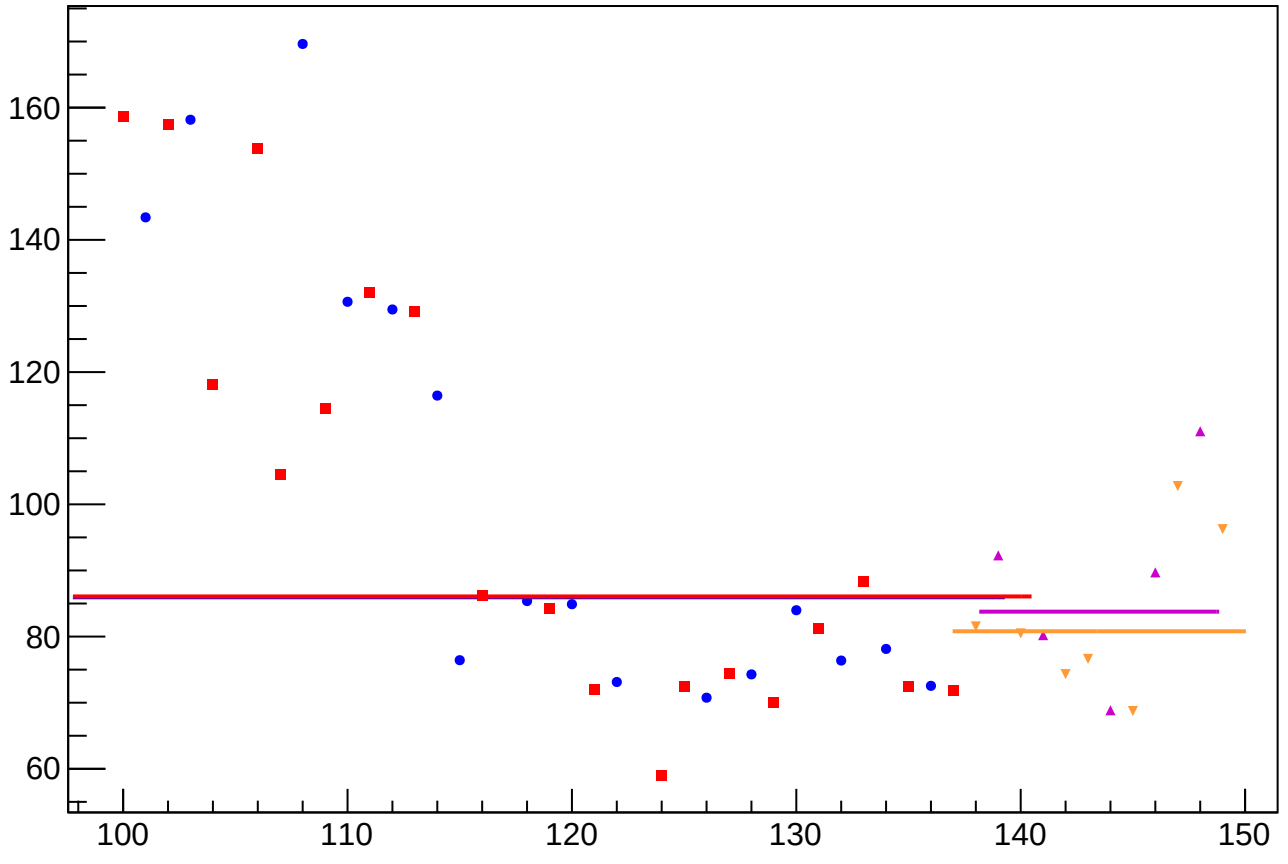
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.065+/-0.041 χ^2/NDF:7.6/4

+ sign -0.014+/-0.024 χ^2/NDF: 23.7/22

All: 0.013+/-0.018 χ^2/NDF: 52.5/46

- 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: 80.801+/-0.025 χ^2/NDF:179249.0/6

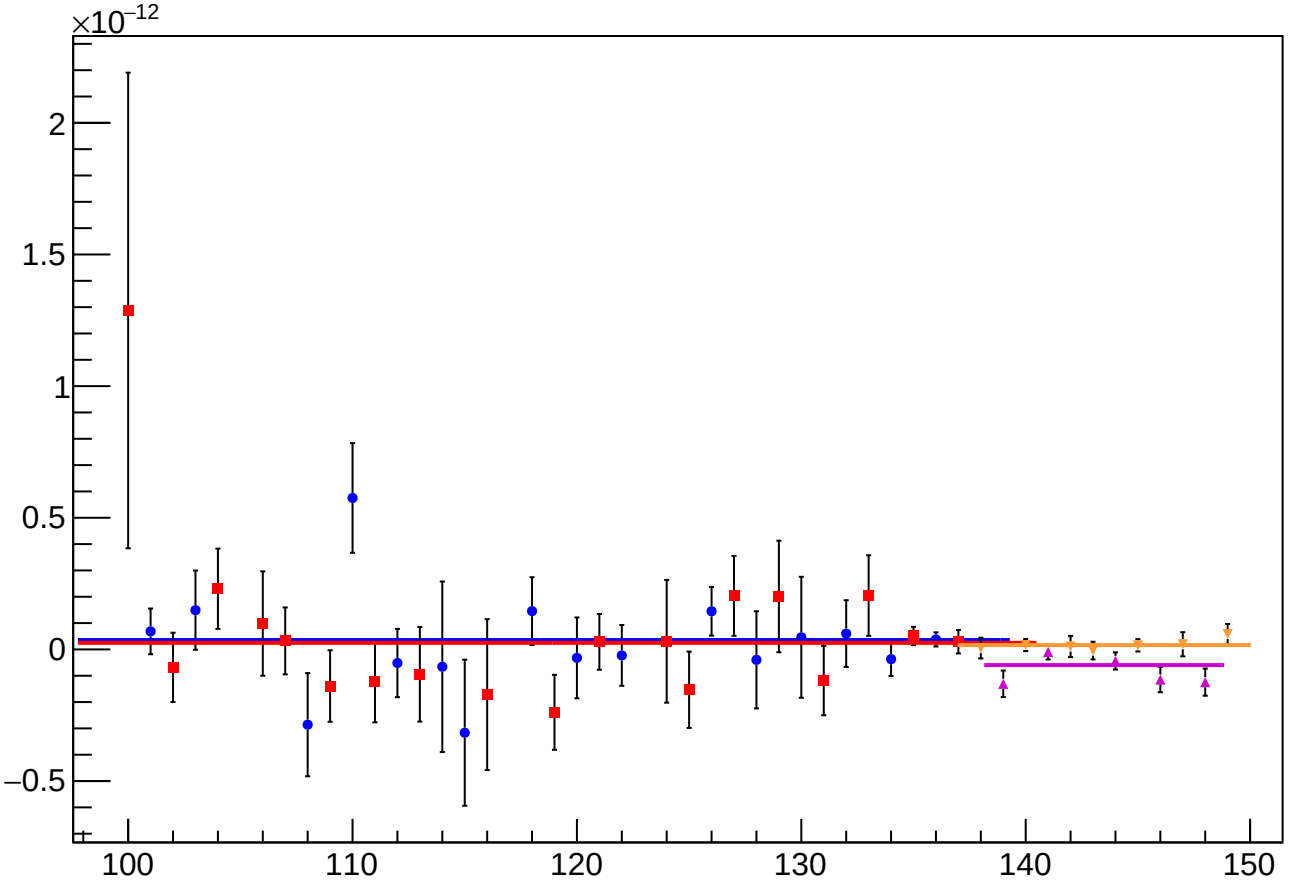
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.768+/-0.029 χ^2/NDF:209855.5/4

\+ sign 83.523+/-0.017 χ^2/NDF: 1236671.5/22

All: 84.297+/-0.012 χ^2/NDF: 2446054.1/46

\- 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:1.7/6

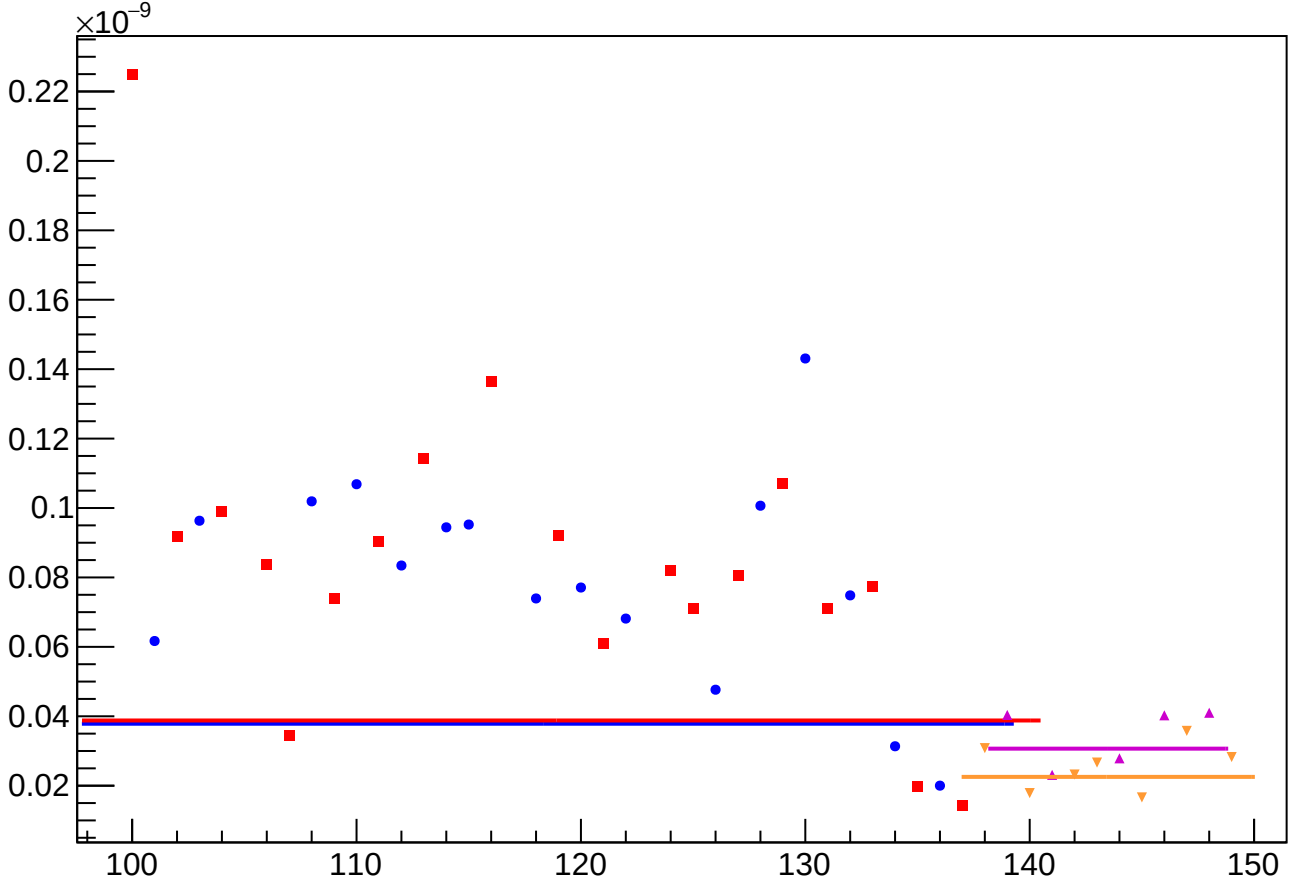
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 18.7/22

All: 0.000+/-0.000 χ^2/NDF: 62.1/46

- 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:542349.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

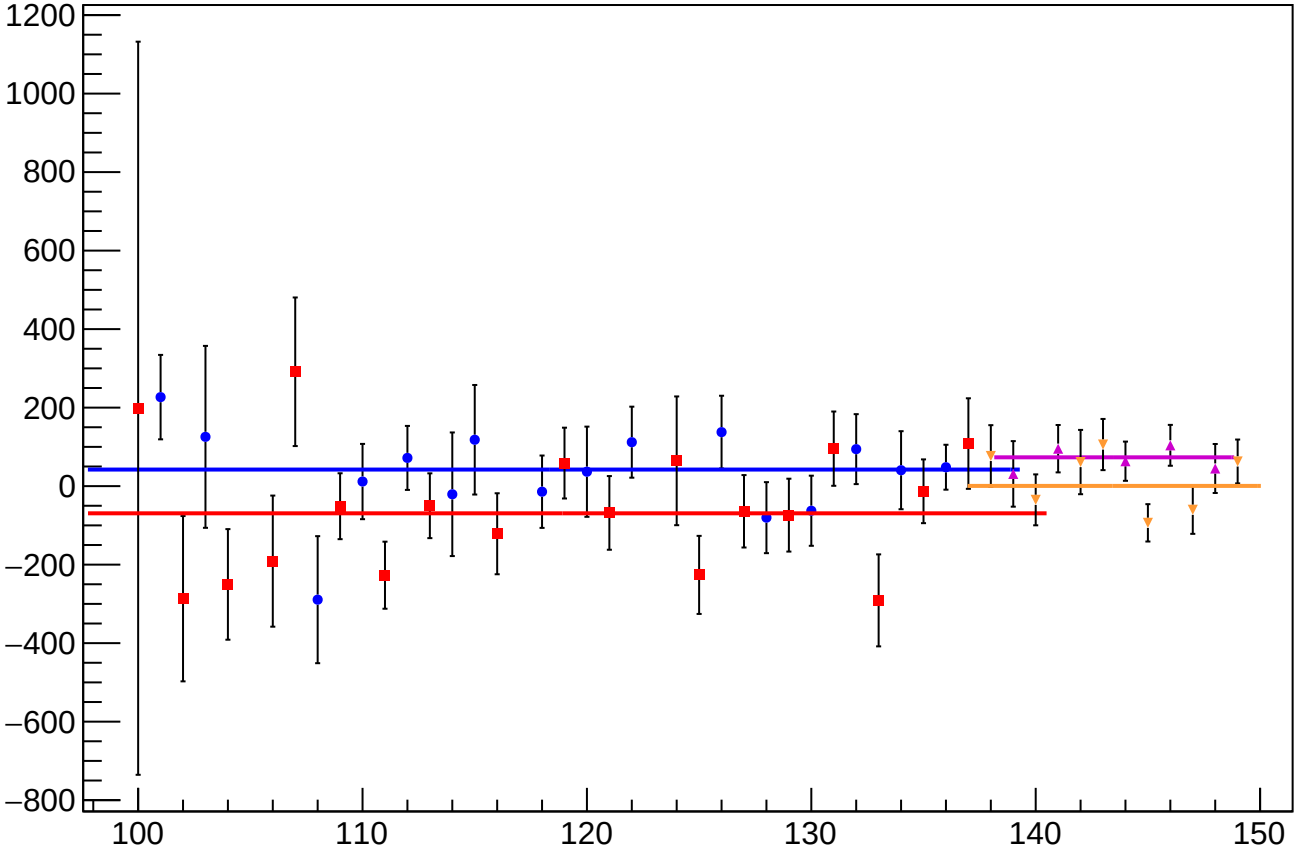
Left In: 0.000+/-0.000 χ^2/NDF:390173.1/4

\+ sign 0.000+/-0.000 χ^2/NDF: 4825798.7/22

All: 0.000+/-0.000 χ^2/NDF: 9875920.7/46

\- 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: 0.566+/-23.490 χ^2/NDF:10.5/6

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

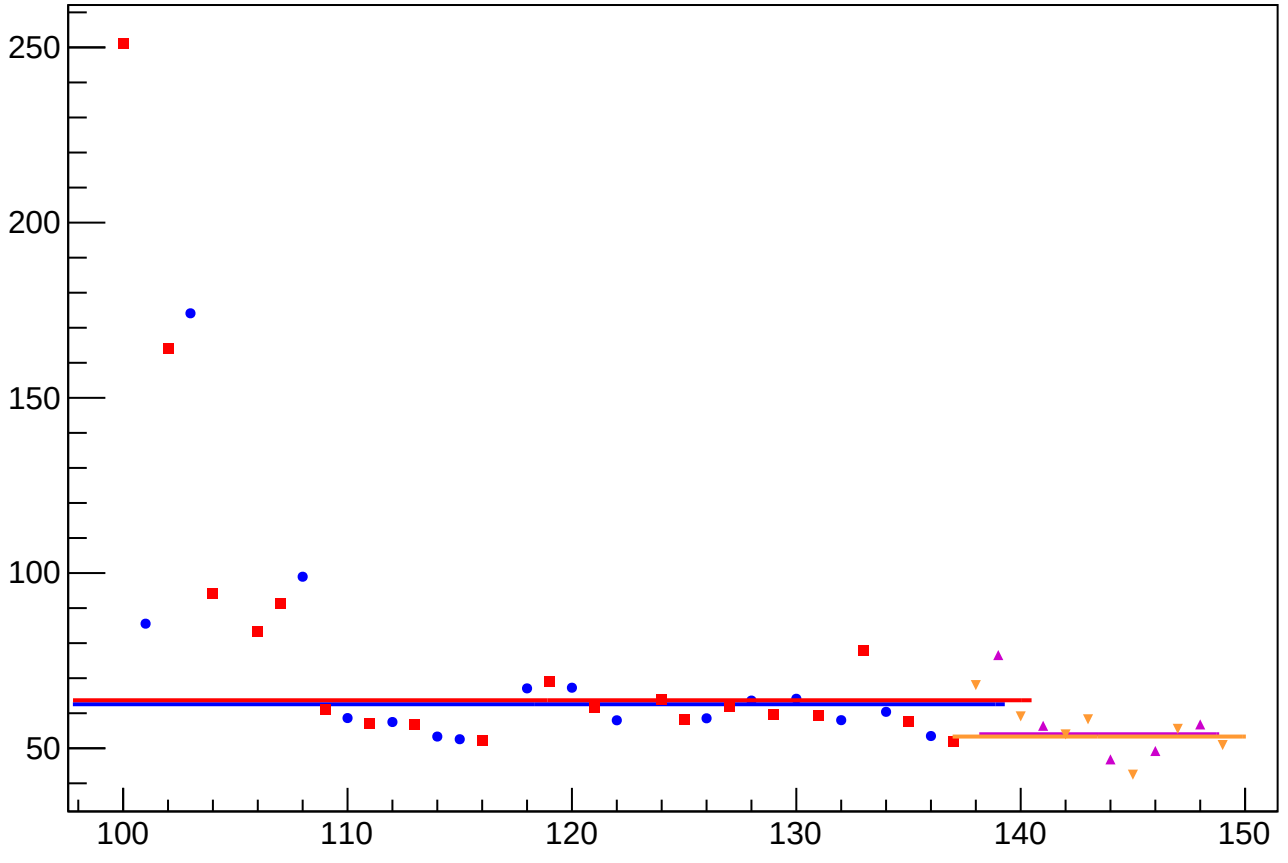
Left In: 73.381+/-26.314 χ^2/NDF:1.0/4

+ sign 20.767+/-16.858 χ^2/NDF: 25.6/22

All: 9.474+/-12.272 χ^2/NDF: 68.7/46

- 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: 53.343+/-0.017 χ^2/NDF:208044.9/6

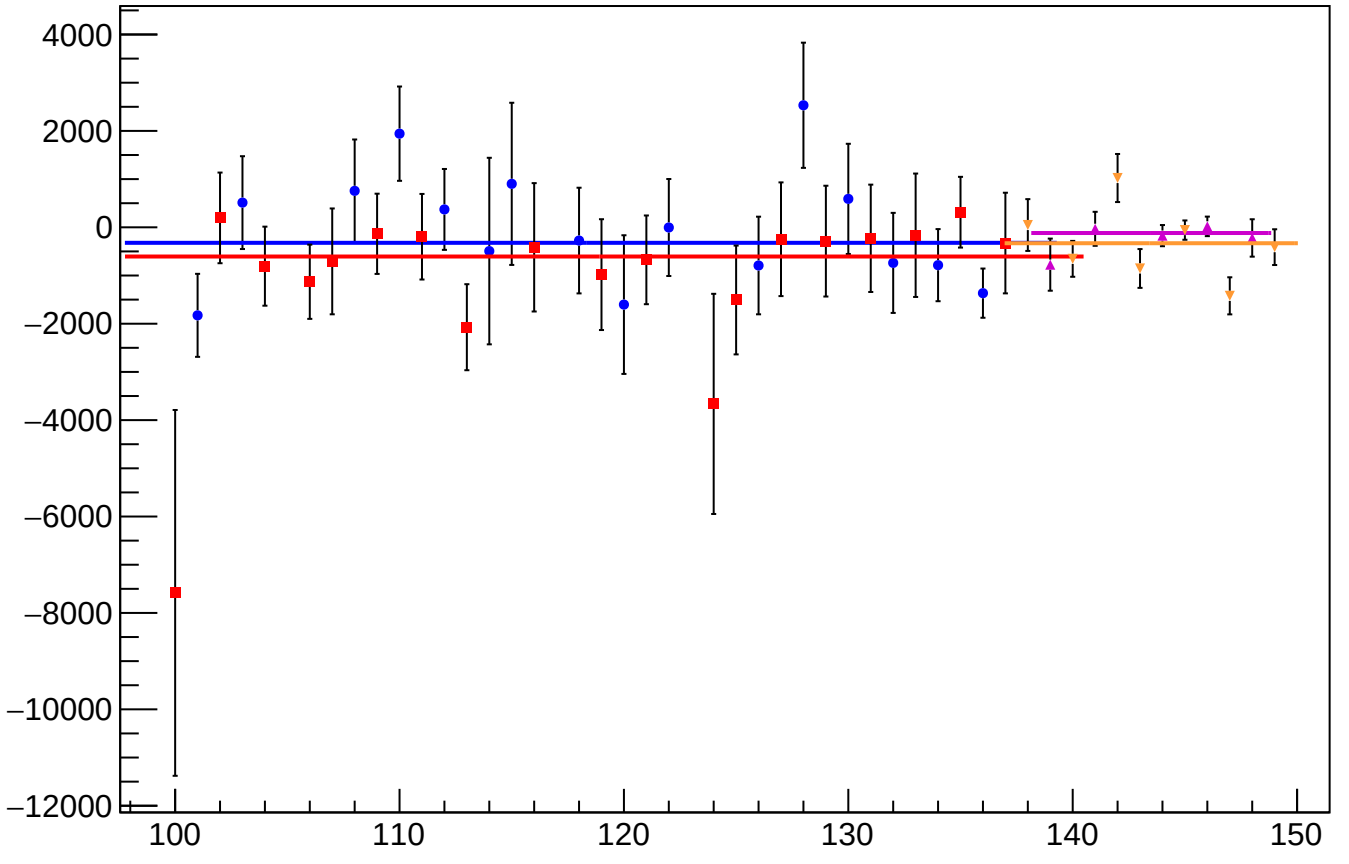
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 53.996+/-0.019 χ^2/NDF:211690.5/4

+ sign 57.816+/-0.012 χ^2/NDF: 1116158.3/22

All: 58.471+/-0.009 χ^2/NDF: 2314577.3/46

- sign 59.210+/-0.013 χ^2/NDF: 1191990.1/23



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -330.196+/-129.294 χ^2/NDF:20.2/6

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

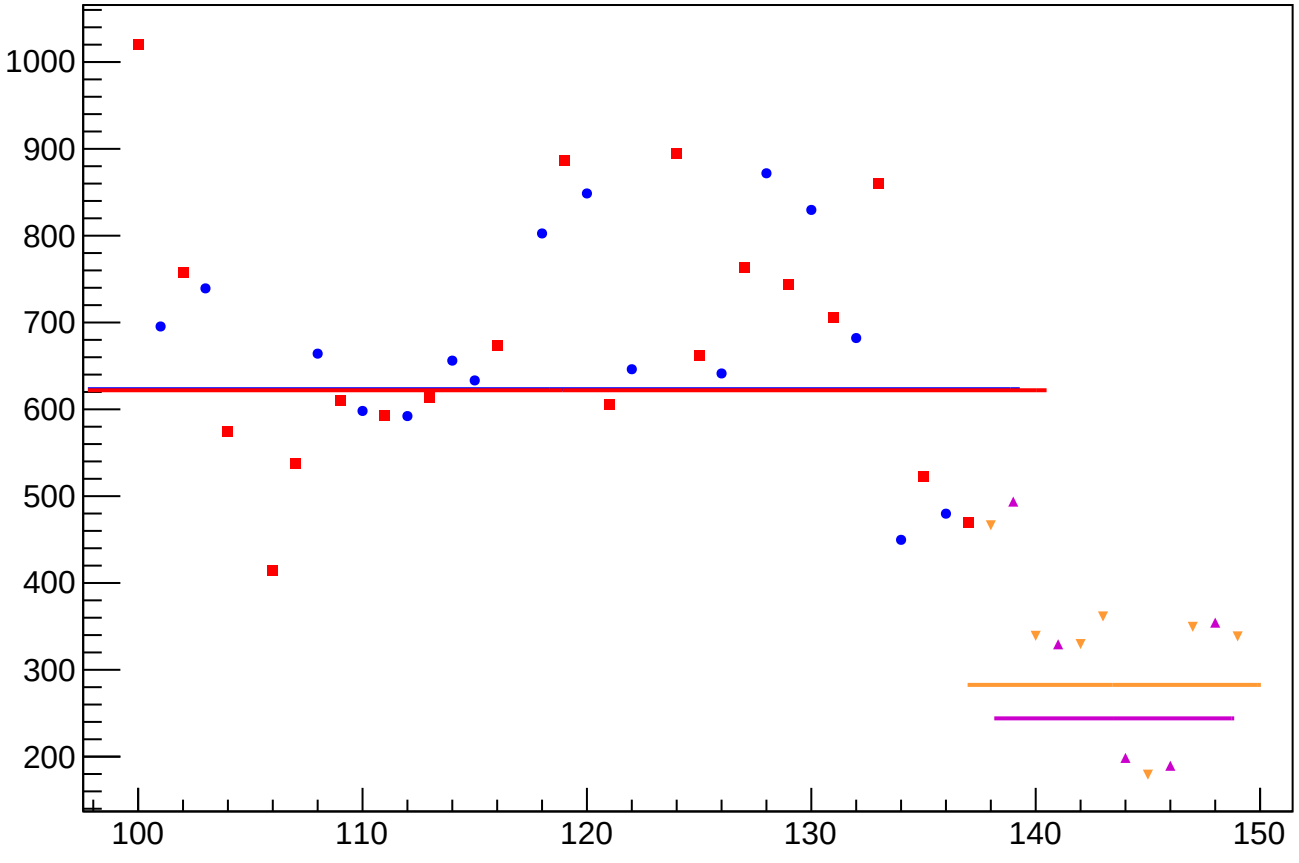
Left In: -118.165+/-125.779 χ^2/NDF:2.1/4

+ sign -328.258+/-113.664 χ^2/NDF: 42.9/22

All: -276.697+/-79.322 χ^2/NDF: 61.3/46

- 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: 282.639+/-0.091 χ^2/NDF:1013078.8/6

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

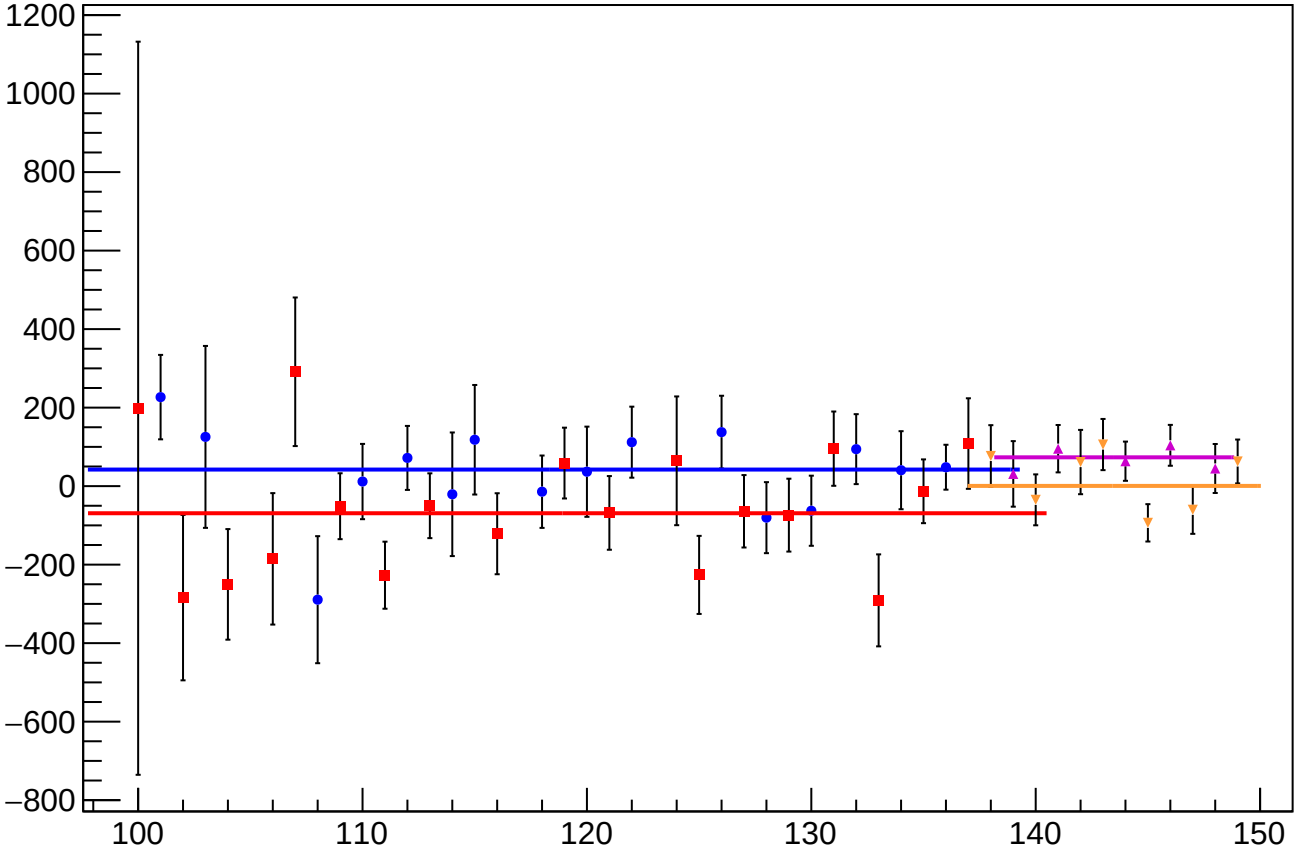
Left In: 244.082+/-0.089 χ^2/NDF:936122.7/4

+ sign 359.996+/-0.080 χ^2/NDF: 4730333.8/22

All: 344.091+/-0.056 χ^2/NDF: 10381749.8/46

- 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: 0.569+/-23.490 χ^2/NDF:10.5/6

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

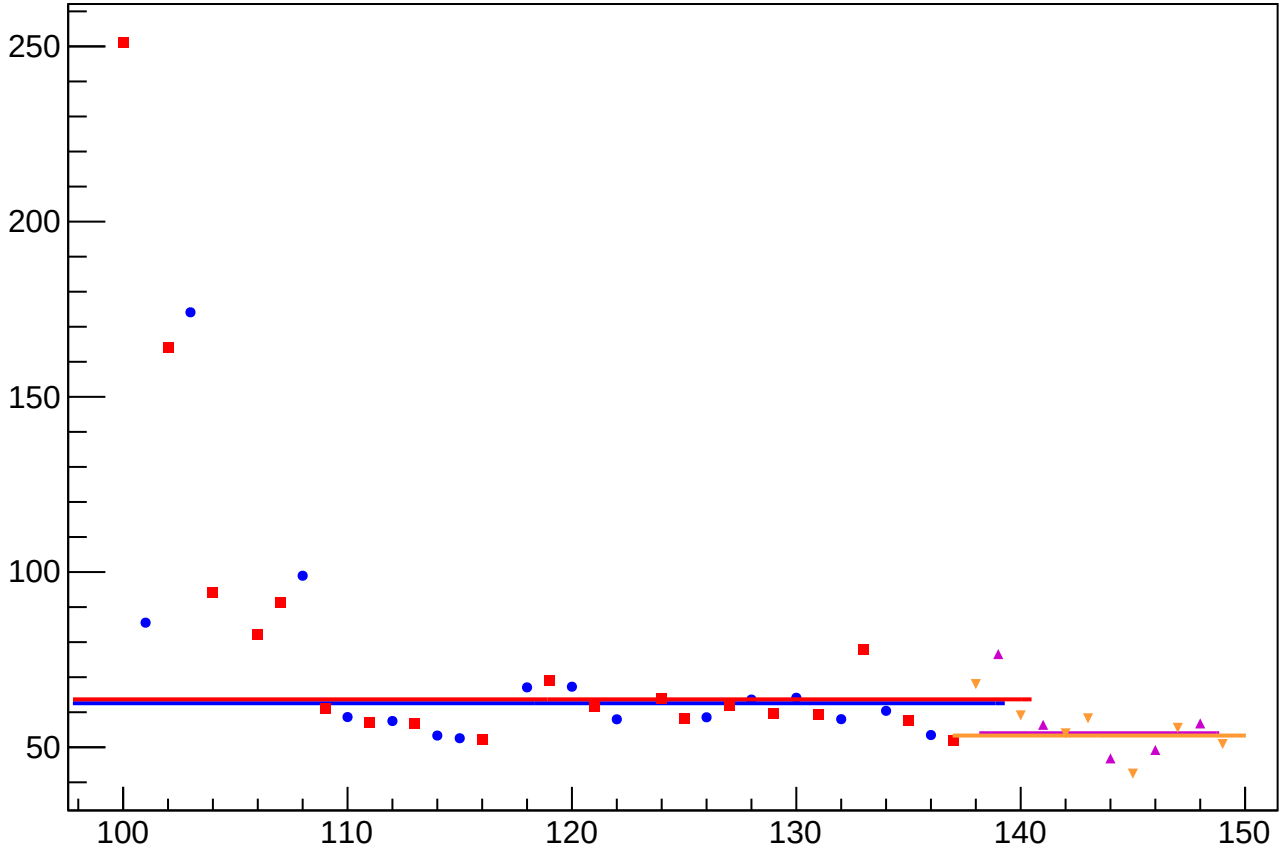
Left In: 73.379+/-26.314 χ^2/NDF:1.0/4

\+ sign 20.765+/-16.858 χ^2/NDF: 25.6/22

All: 9.521+/-12.272 χ^2/NDF: 68.6/46

\- 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: 53.343+/-0.017 χ^2/NDF:208044.9/6

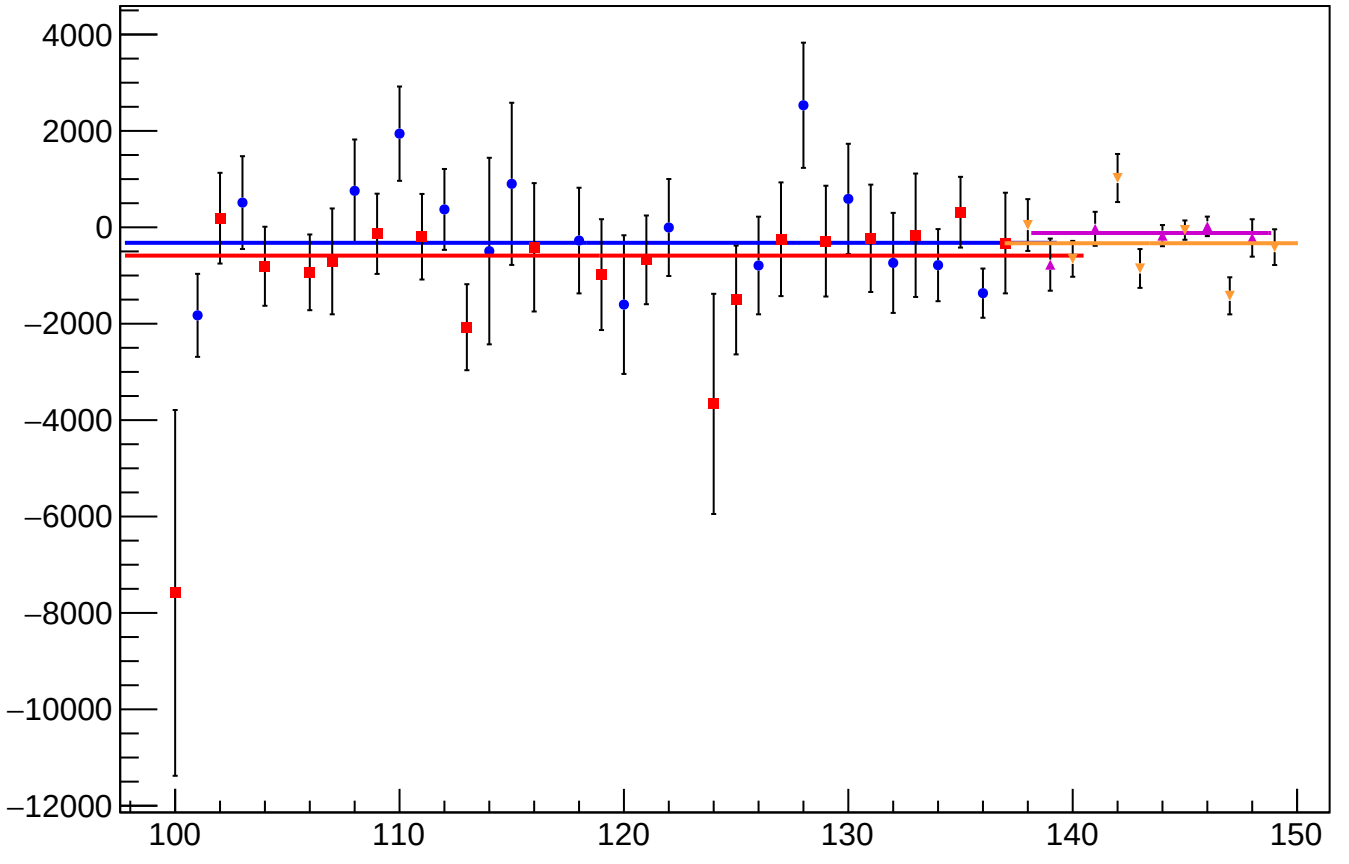
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.996+/-0.019 χ^2/NDF:211690.5/4

+ sign 57.816+/-0.012 χ^2/NDF: 1116160.3/22

All: 58.465+/-0.009 χ^2/NDF: 2310975.4/46

- 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: -330.194+/-129.294 χ^2/NDF:20.2/6

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

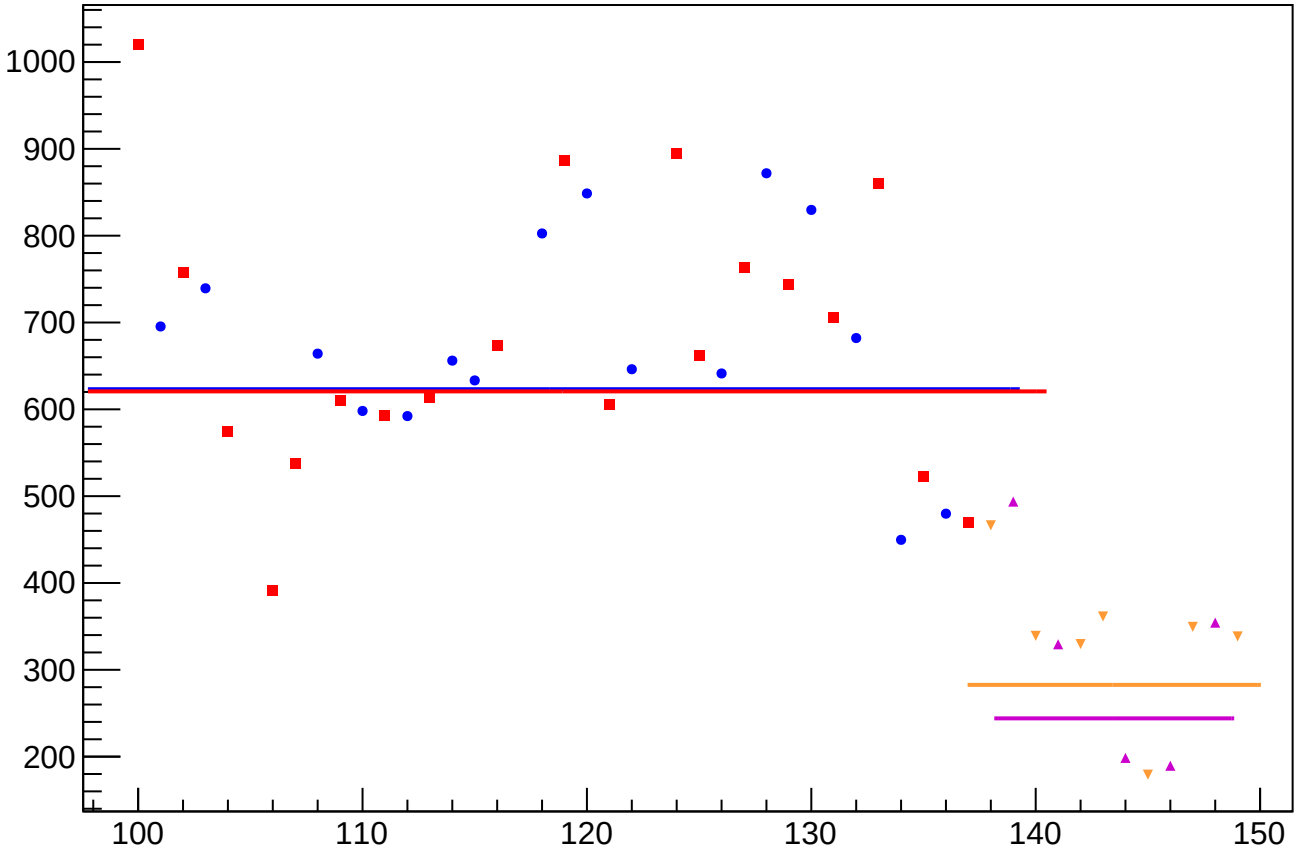
Left In: -118.171+/-125.779 χ^2/NDF:2.1/4

\+ sign -328.255+/-113.664 χ^2/NDF: 42.9/22

All: -274.416+/-79.340 χ^2/NDF: 60.8/46

\- 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: 282.638+/-0.091 χ^2/NDF:1013083.5/6

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

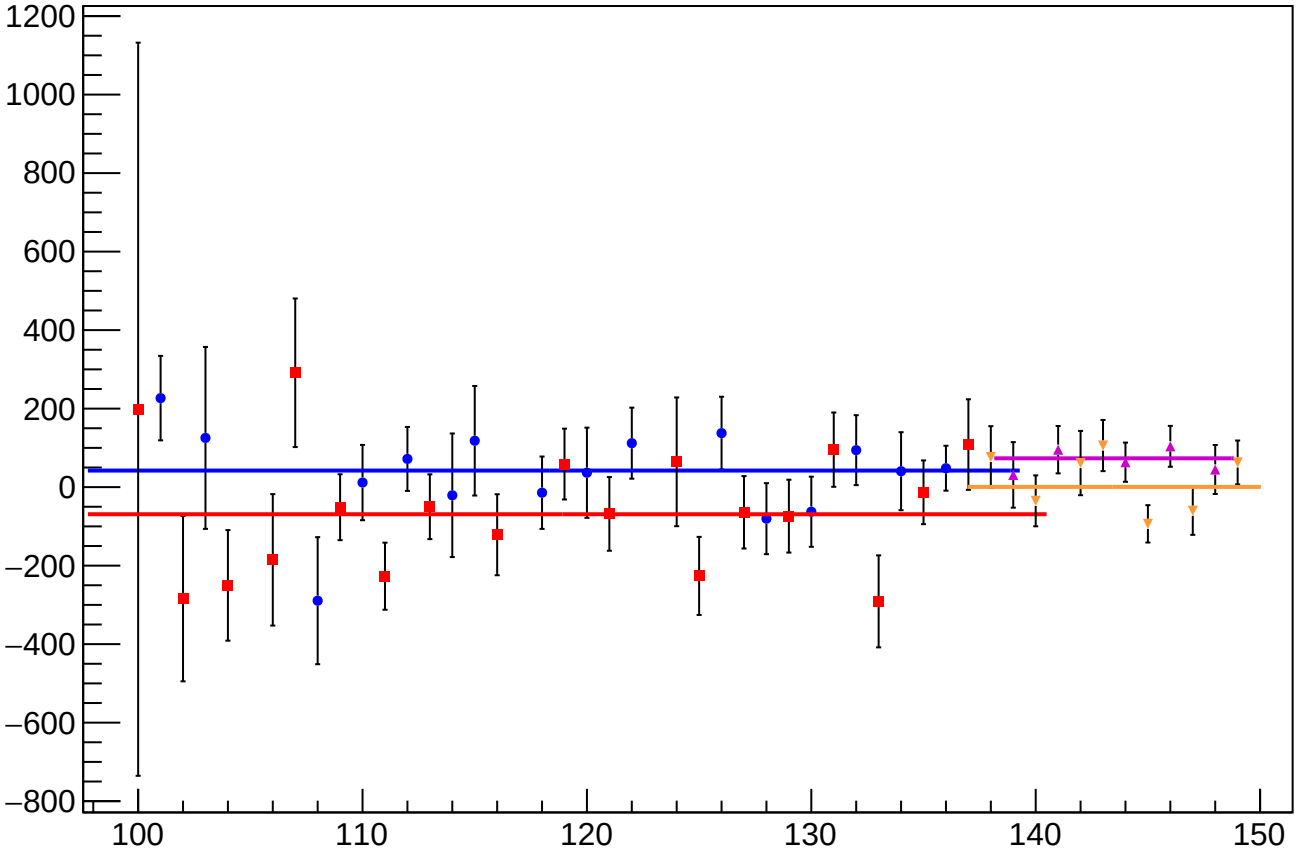
Left In: 244.081+/-0.089 χ^2/NDF:936126.9/4

+ sign 359.996+/-0.080 χ^2/NDF: 4730402.6/22

All: 343.822+/-0.056 χ^2/NDF: 10372842.1/46

- 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: 0.569+/-23.490 χ^2/NDF:10.5/6

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

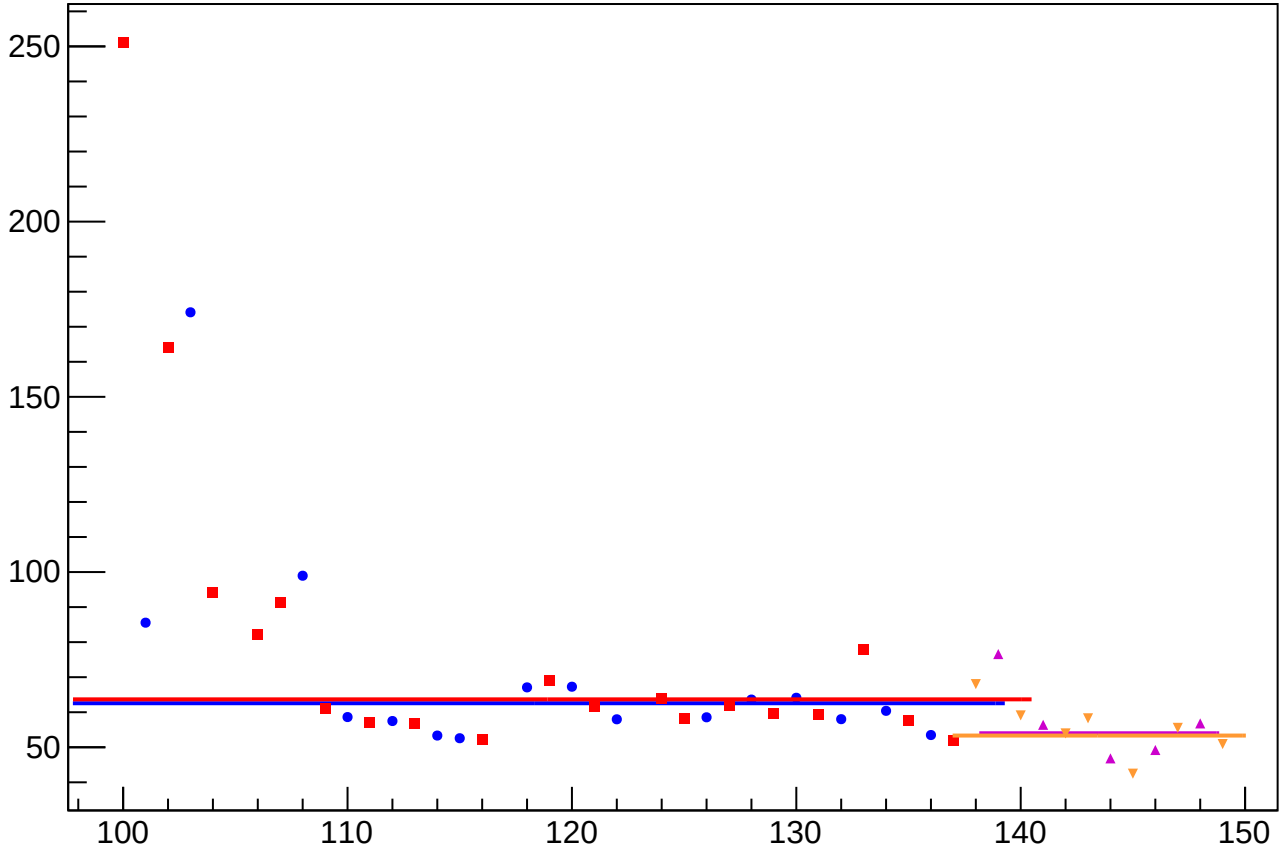
Left In: 73.379+/-26.314 χ^2/NDF:1.0/4

+ sign 20.765+/-16.858 χ^2/NDF: 25.6/22

All: 9.521+/-12.272 χ^2/NDF: 68.6/46

- 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: 53.343+/-0.017 χ^2/NDF:208044.9/6

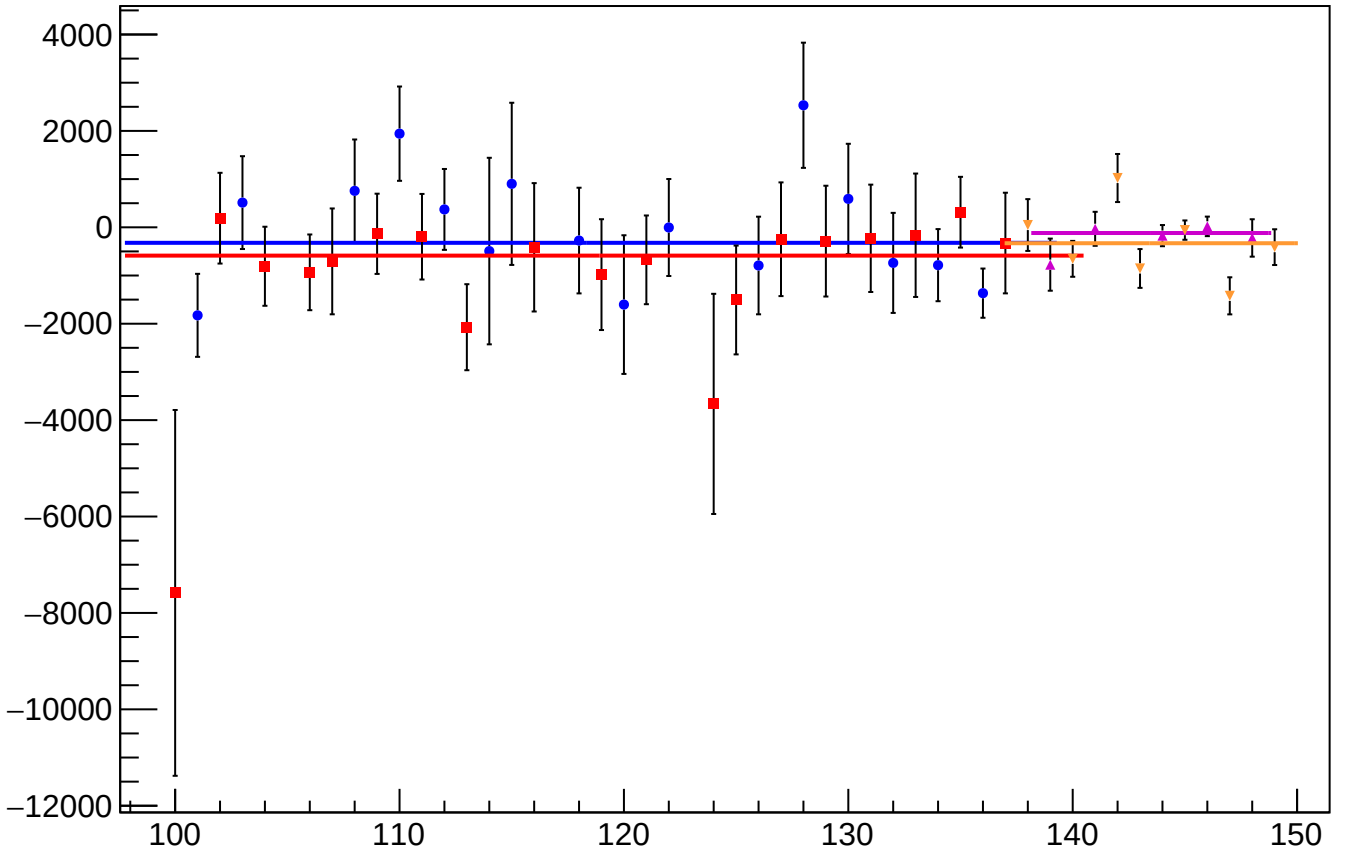
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.996+/-0.019 χ^2/NDF:211690.5/4

+ sign 57.816+/-0.012 χ^2/NDF: 1116160.3/22

All: 58.465+/-0.009 χ^2/NDF: 2310975.4/46

- 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: -330.194+/-129.294 χ^2/NDF:20.2/6

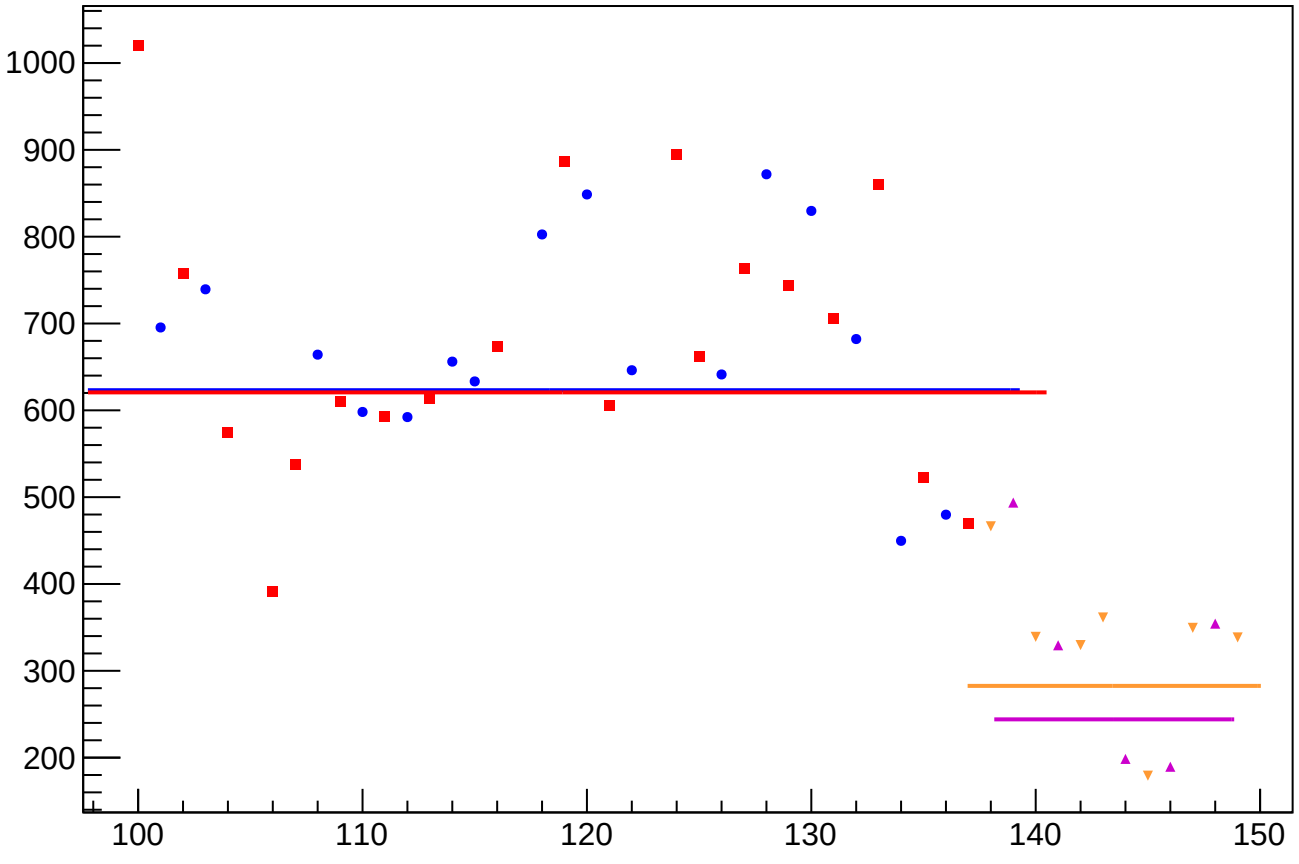
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -118.171+/-125.779 χ^2/NDF:2.1/4

+ sign -328.255+/-113.664 χ^2/NDF: 42.9/22

All: -274.416+/-79.340 χ^2/NDF: 60.8/46

- 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: 282.638+/-0.091 χ^2/NDF:1013083.5/6

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

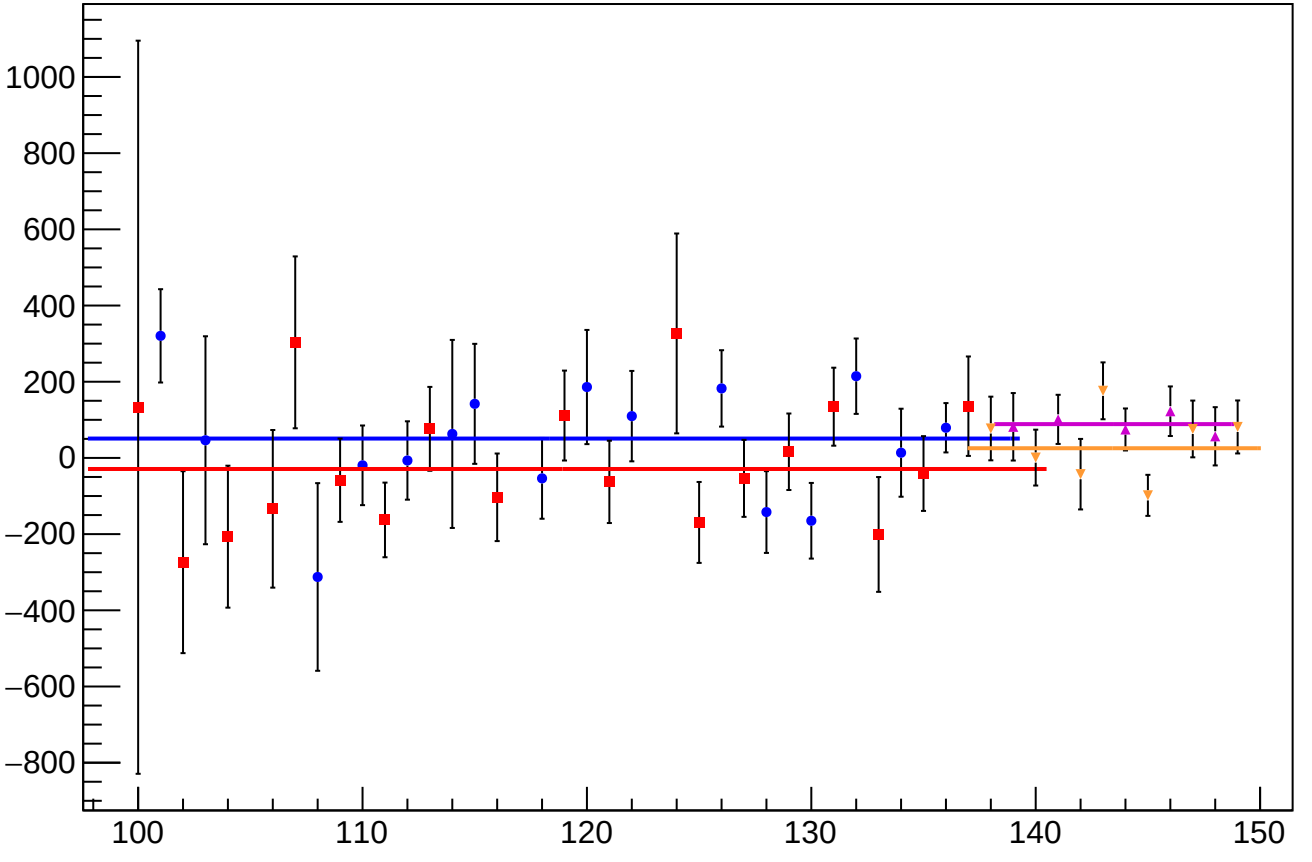
Left In: 244.081+/-0.089 χ^2/NDF:936126.9/4

+ sign 359.996+/-0.080 χ^2/NDF: 4730402.6/22

All: 343.822+/-0.056 χ^2/NDF: 10372842.1/46

- 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: 25.447+/-27.146 χ^2/NDF:11.5/6

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

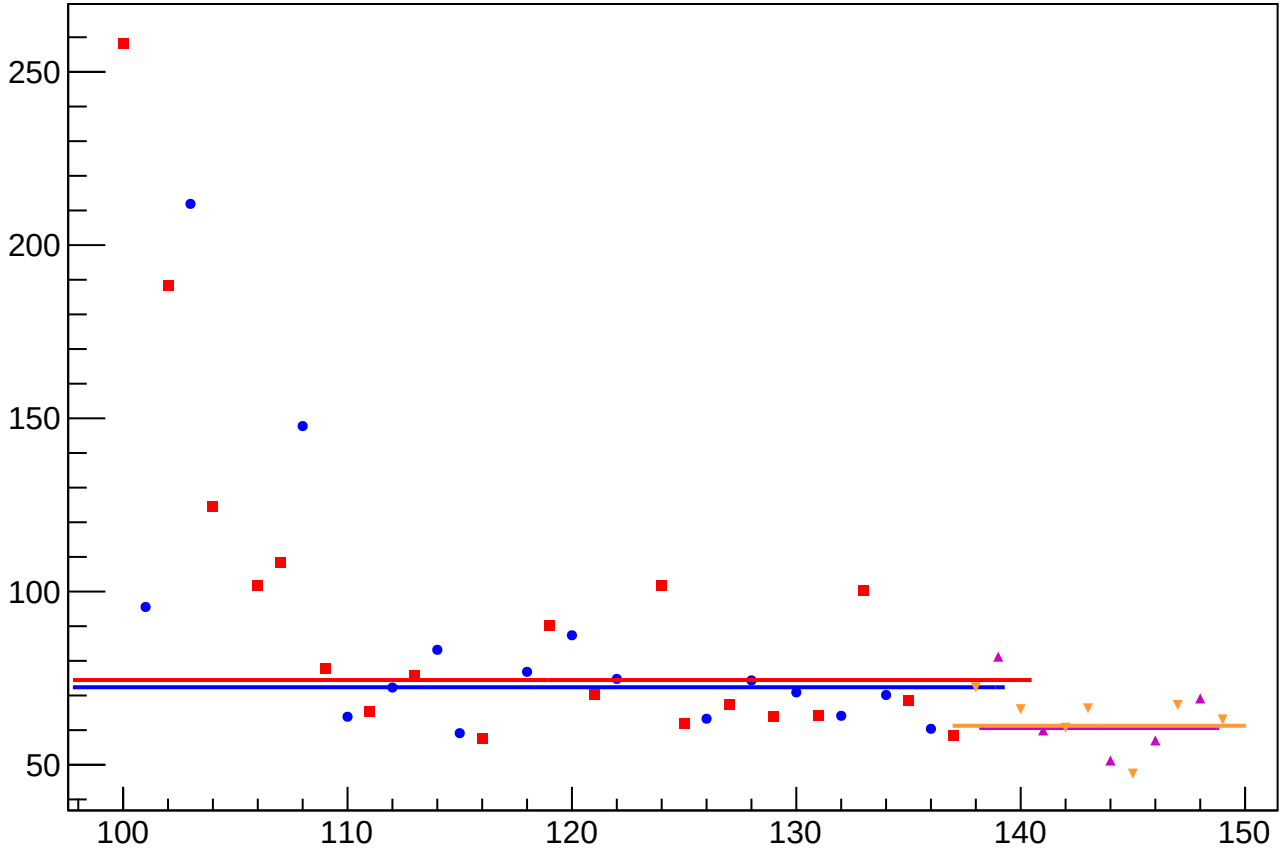
Left In: 88.737+/-30.094 χ^2/NDF:0.6/4

\+ sign 37.608+/-19.596 χ^2/NDF: 34.8/22

All: 32.860+/-14.279 χ^2/NDF: 61.9/46

\- 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: 61.265+/-0.019 χ^2/NDF:198927.0/6

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

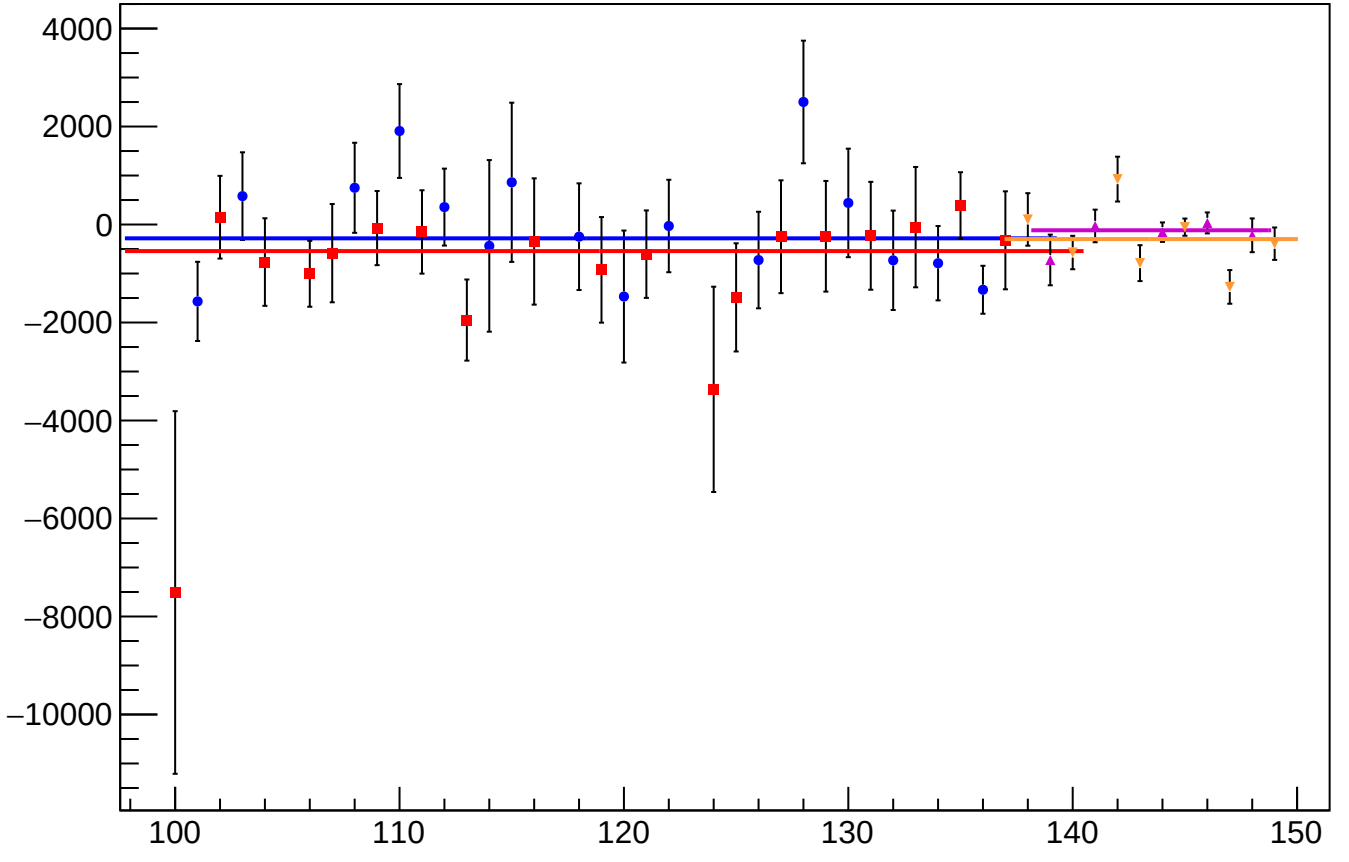
Left In: 60.607+/-0.021 χ^2/NDF:197214.6/4

+ sign 66.587+/-0.014 χ^2/NDF: 1297624.2/22

All: 67.162+/-0.010 χ^2/NDF: 2771320.9/46

- sign 67.813+/-0.015 χ^2/NDF: 1470022.6/23

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -297.006+/-115.940 χ^2/NDF:20.2/6

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

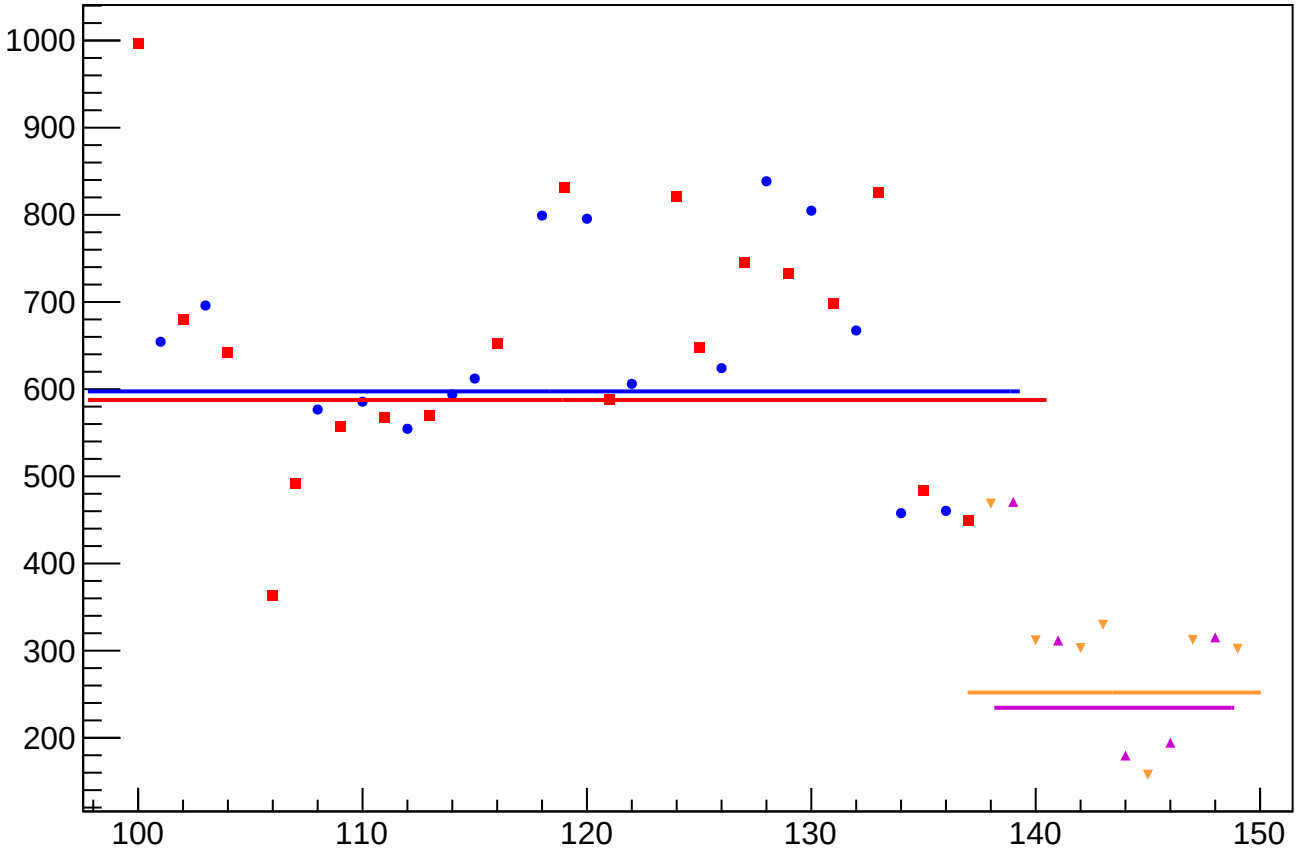
Left In: -117.722+/-120.926 χ^2/NDF:2.1/4

+ sign -293.926+/-103.326 χ^2/NDF: 43.0/22

All: -255.768+/-74.014 χ^2/NDF: 61.5/46

- 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: 251.953+/-0.082 χ^2/NDF:1188238.5/6

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

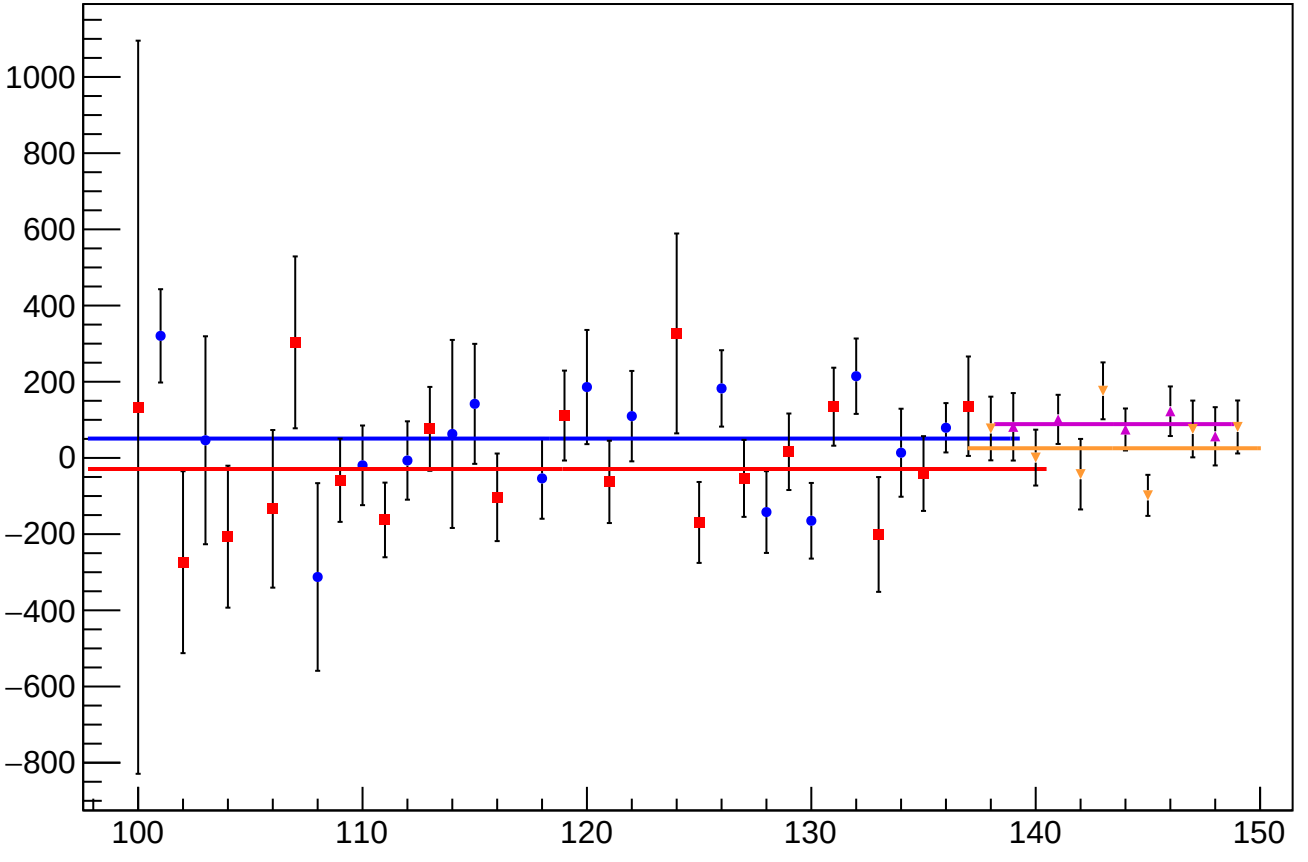
Left In: 234.516+/-0.086 χ^2/NDF:856671.7/4

+ sign 323.039+/-0.073 χ^2/NDF: 5376086.7/22

All: 319.572+/-0.052 χ^2/NDF: 10857043.9/46

- 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: 25.448+/-27.146 χ^2/NDF:11.5/6

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

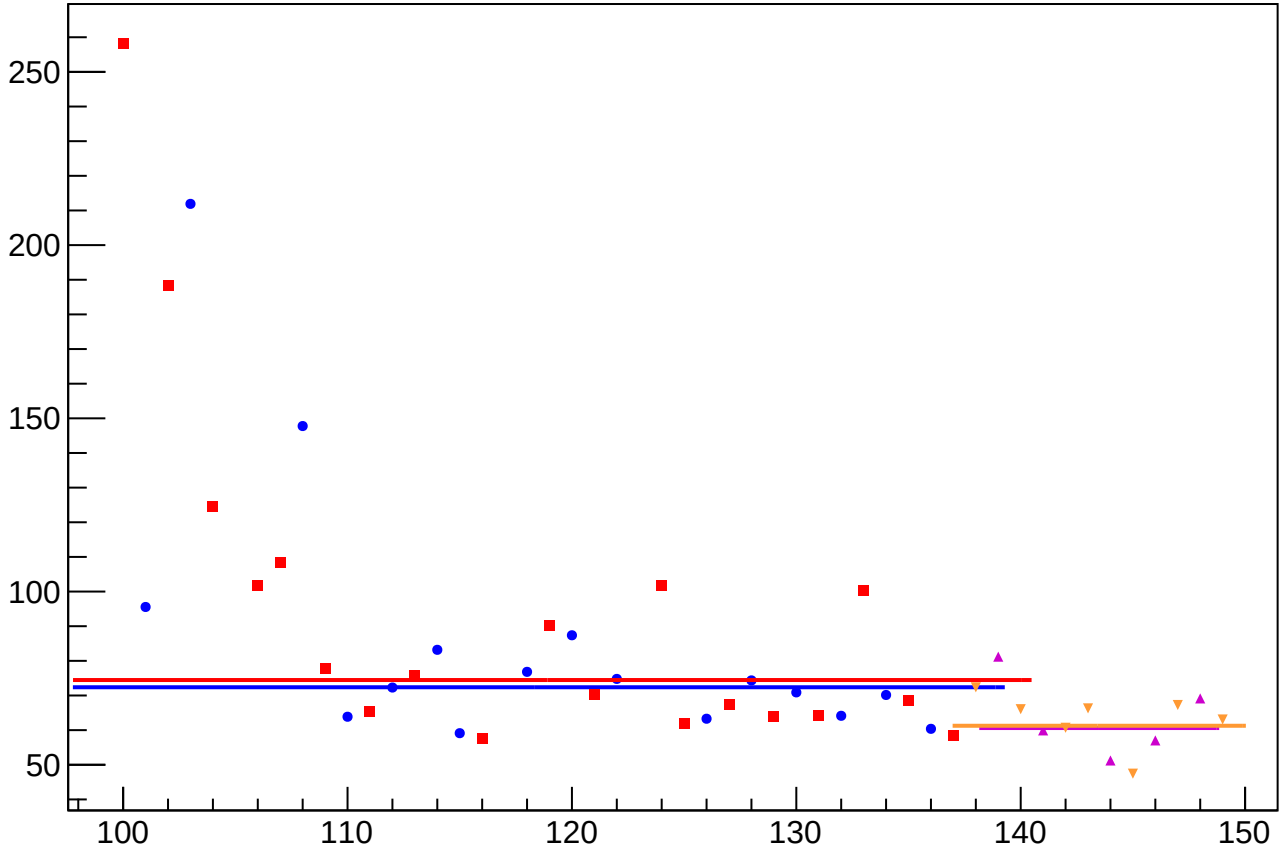
Left In: 88.737+/-30.094 χ^2/NDF:0.6/4

\+ sign 37.608+/-19.596 χ^2/NDF: 34.8/22

All: 32.860+/-14.279 χ^2/NDF: 61.9/46

\- 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: 61.265+/-0.019 χ^2/NDF:198935.7/6

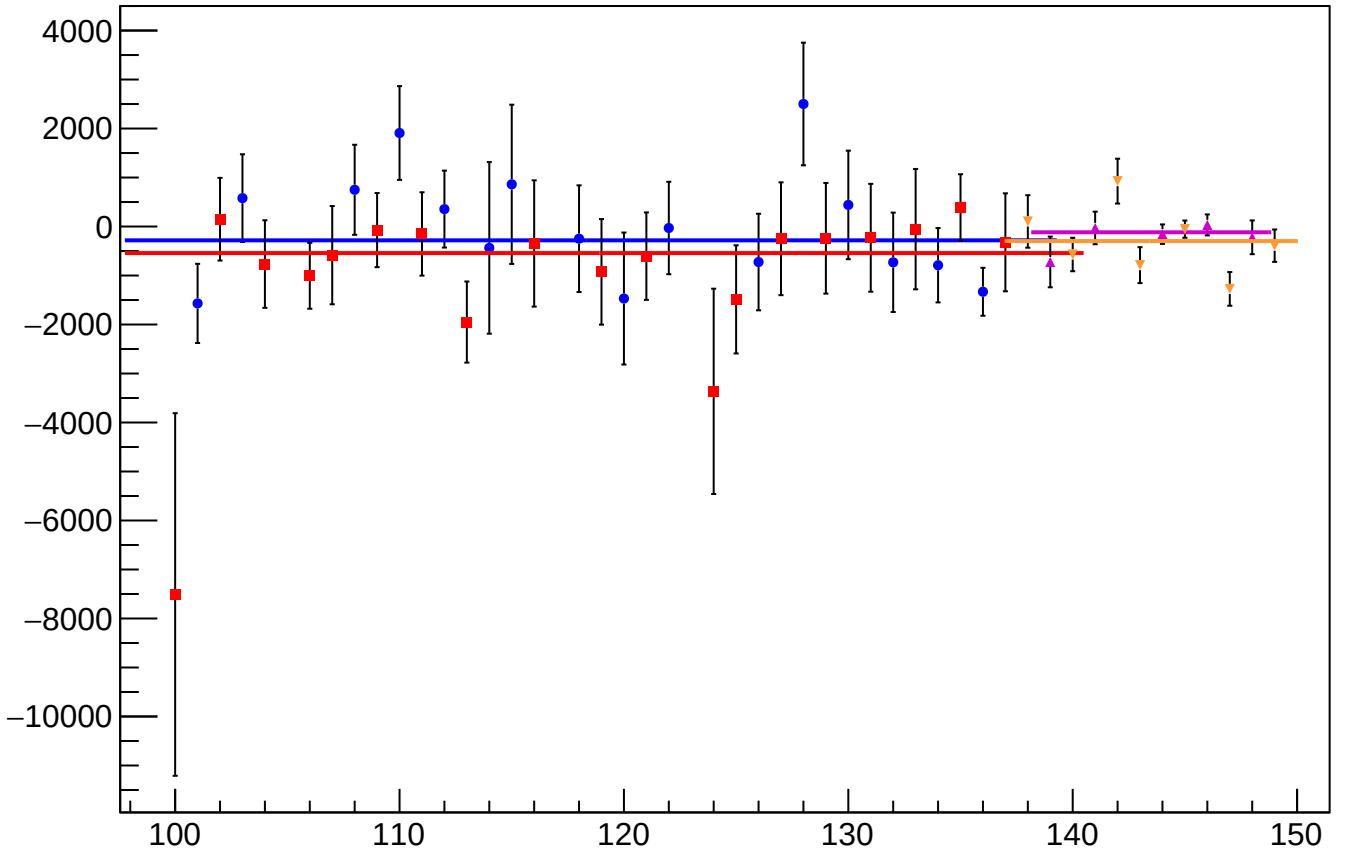
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 60.607+/-0.021 χ^2/NDF:197217.8/4

+ sign 66.587+/-0.014 χ^2/NDF: 1297630.6/22

All: 67.162+/-0.010 χ^2/NDF: 2771322.8/46

- 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: -297.006+/-115.940 χ^2/NDF:20.2/6

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

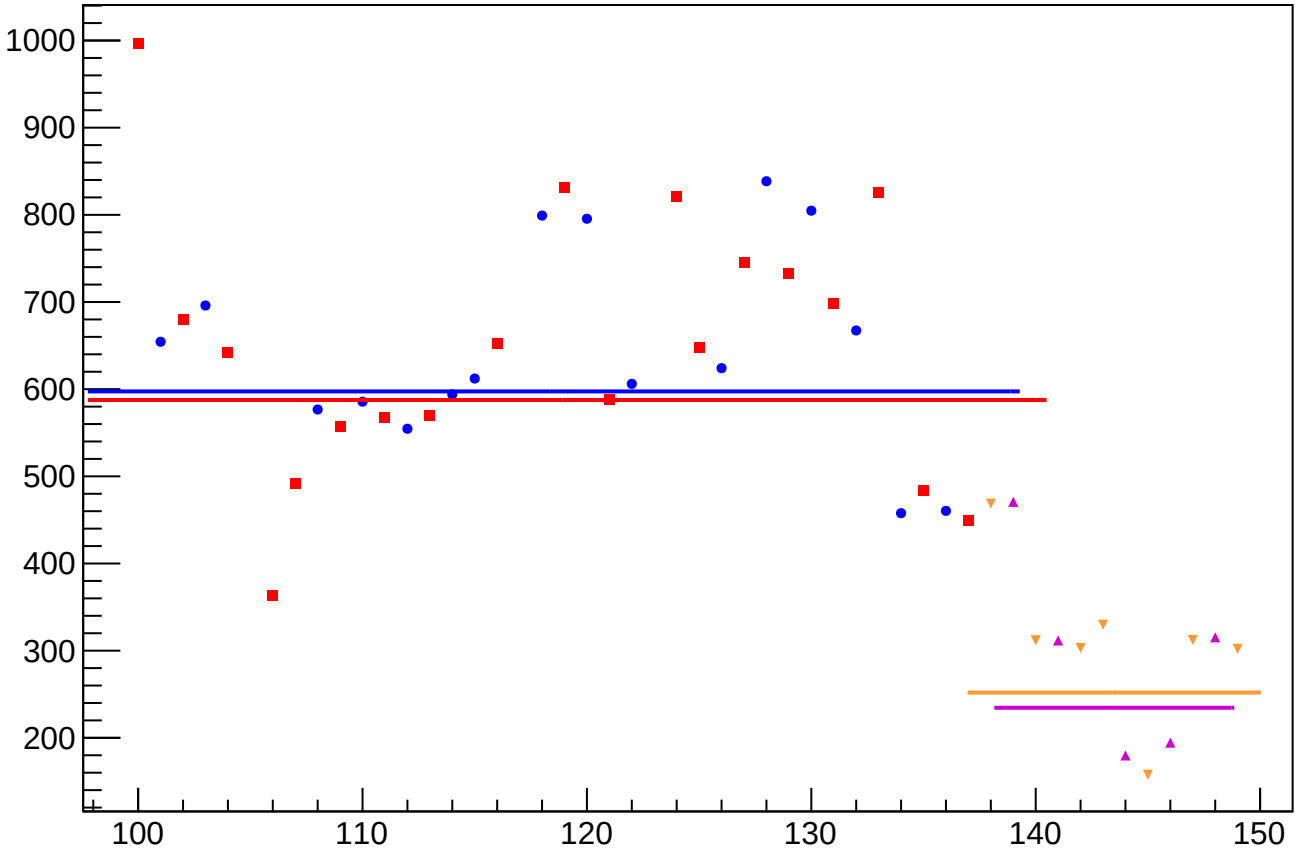
Left In: -117.722+/-120.926 χ^2/NDF:2.1/4

+ sign -293.927+/-103.326 χ^2/NDF: 43.0/22

All: -255.768+/-74.014 χ^2/NDF: 61.5/46

- 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: 251.953+/-0.082 χ^2/NDF:1188234.3/6

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

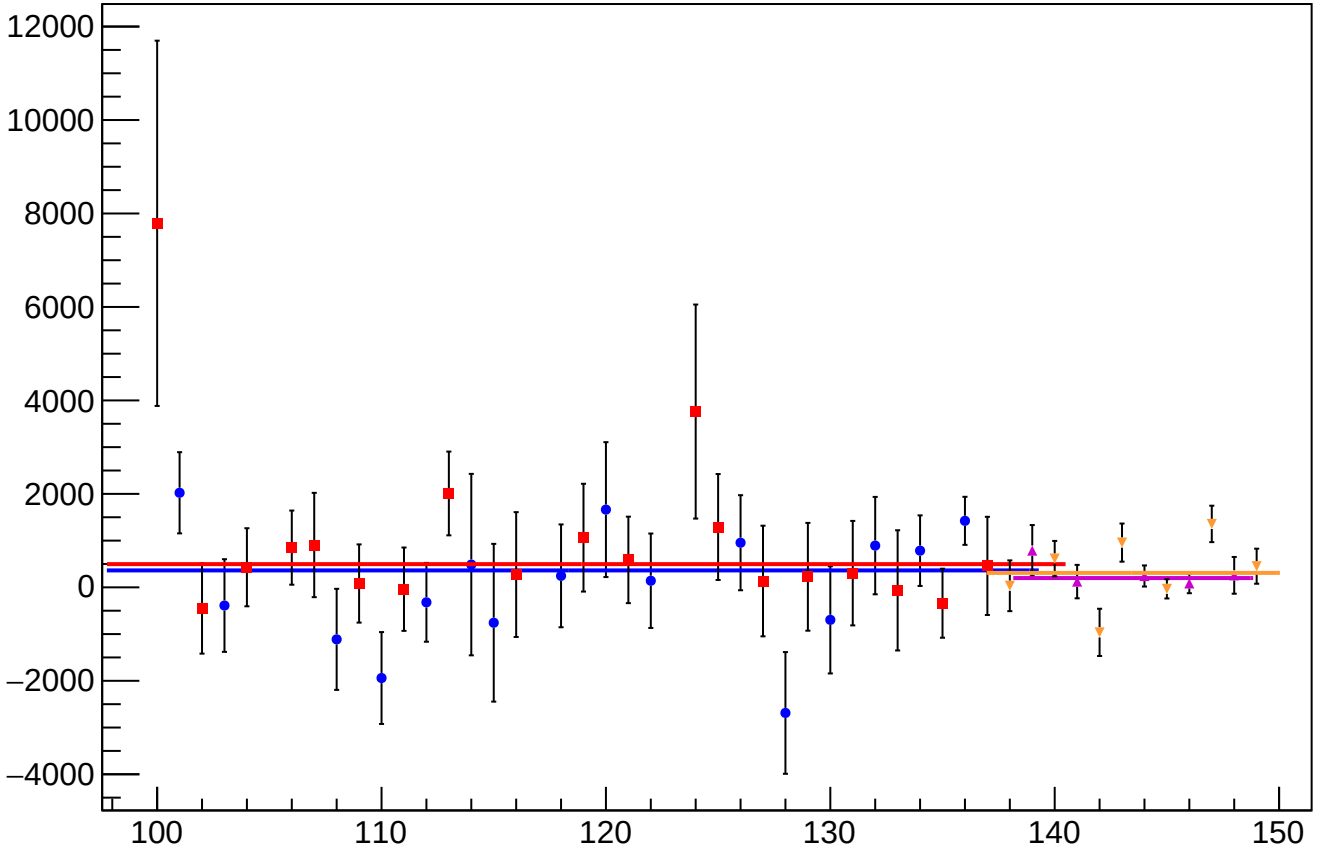
Left In: 234.516+/-0.086 χ^2/NDF:856671.0/4

+ sign 323.039+/-0.073 χ^2/NDF: 5376086.8/22

All: 319.572+/-0.052 χ^2/NDF: 10857042.1/46

- 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: 309.248+/-131.795 χ^2/NDF:19.9/6

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

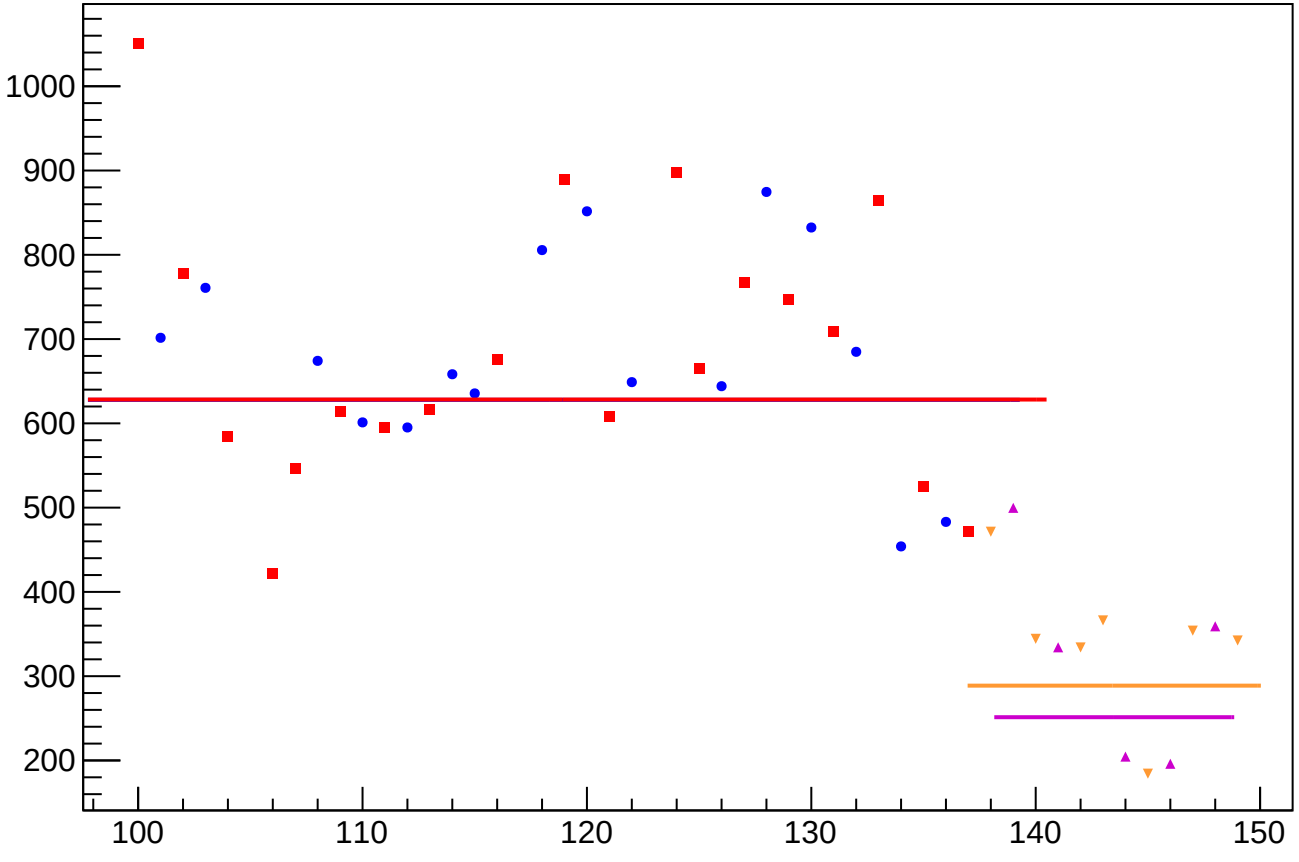
Left In: 198.703+/-129.074 χ^2/NDF:1.6/4

+ sign 321.535+/-115.556 χ^2/NDF: 45.0/22

All: 293.865+/-80.882 χ^2/NDF: 60.6/46

- 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: 288.771+/-0.093 χ^2/NDF:968710.5/6

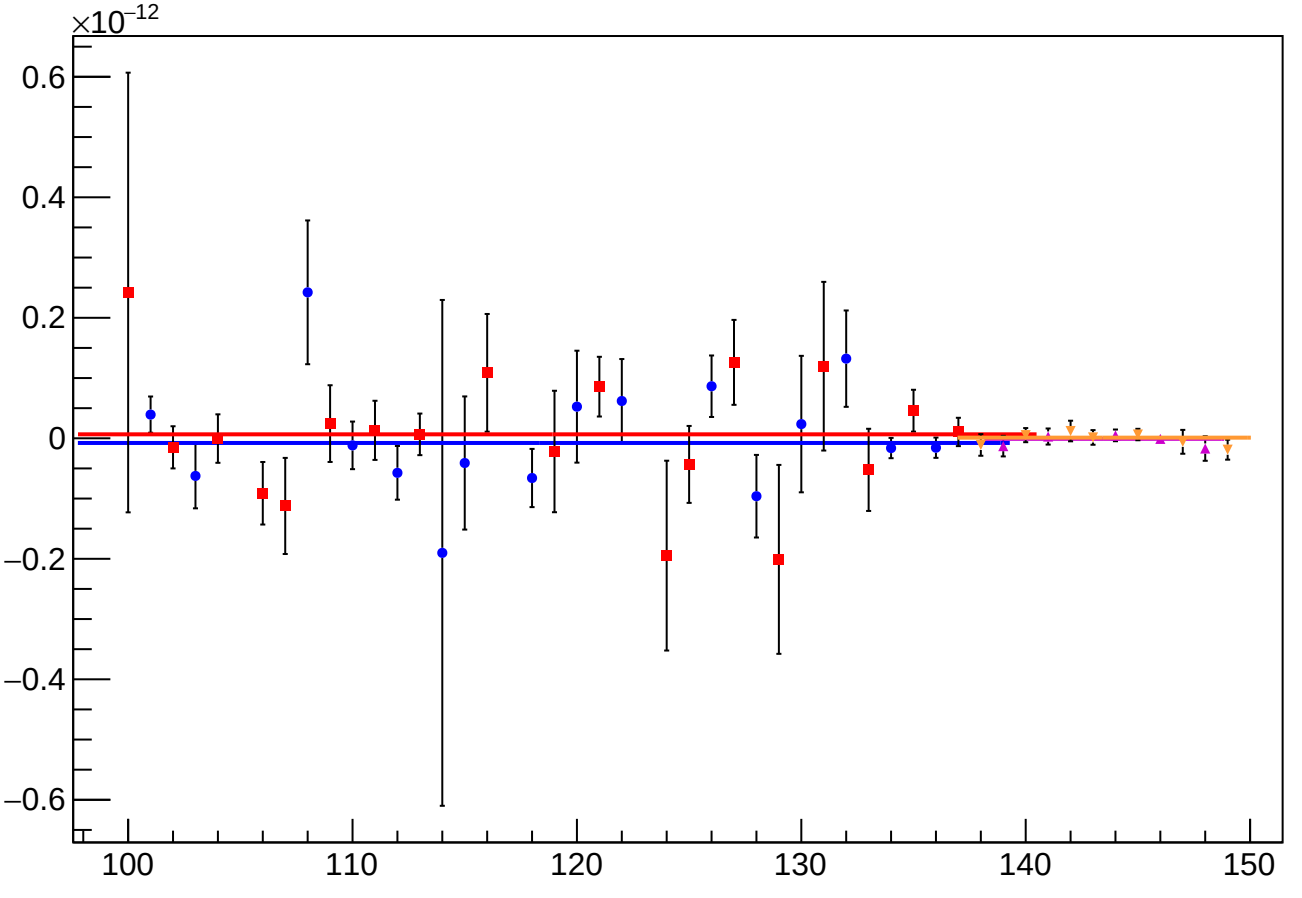
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 251.319+/-0.091 χ^2/NDF:895024.9/4

+ sign 367.191+/-0.082 χ^2/NDF: 4597611.4/22

All: 352.348+/-0.057 χ^2/NDF: 10054720.7/46

- sign 338.092+/-0.080 χ^2/NDF: 5392417.0/23



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.9/6

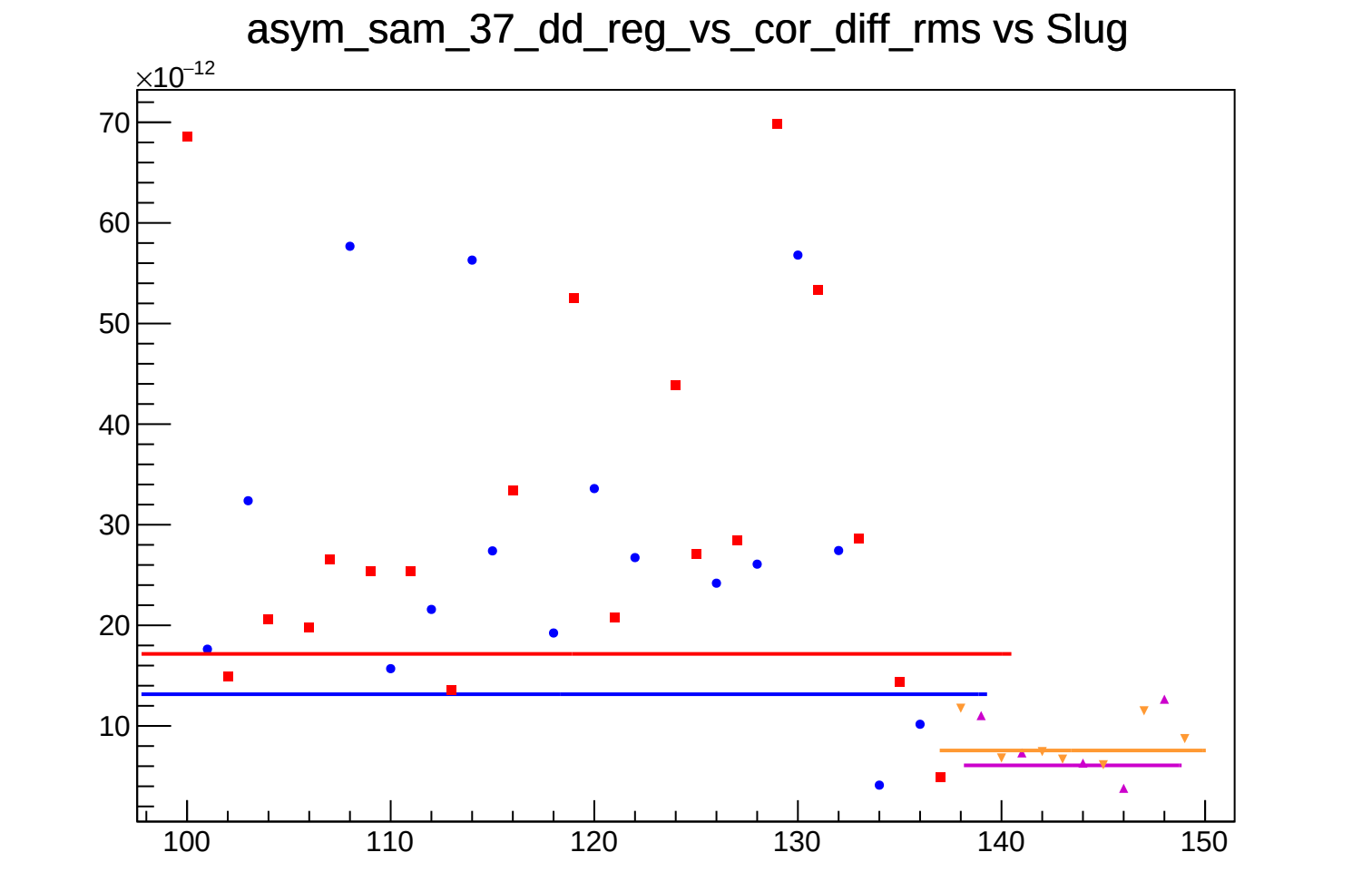
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/22

All: -0.000+/-0.000 χ^2/NDF: 46.4/46

- sign 0.000+/-0.000 χ^2/NDF: 21.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:261826.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

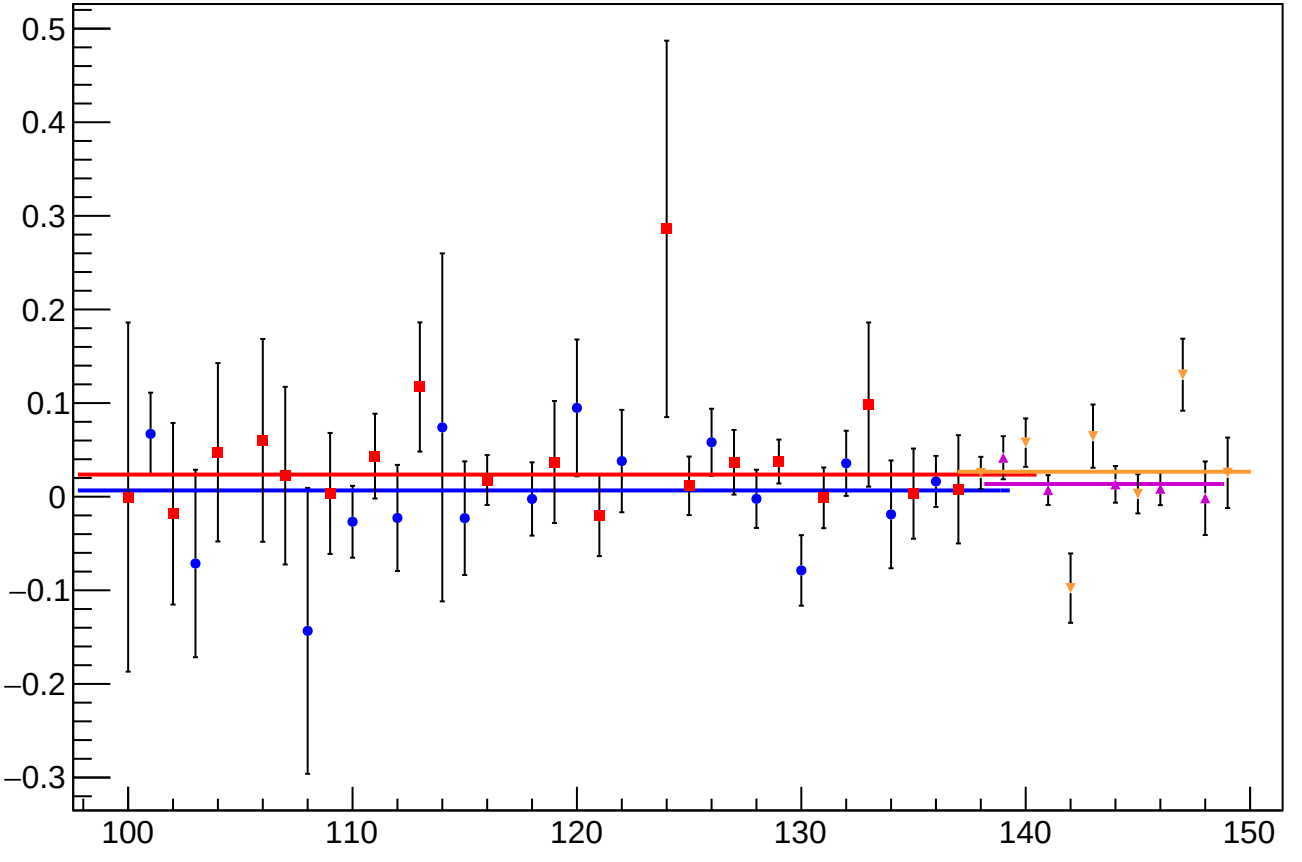
Left In: 0.000+/-0.000 χ^2/NDF:586567.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 2892241.5/22

All: 0.000+/-0.000 χ^2/NDF: 6734202.1/46

- sign 0.000+/-0.000 χ^2/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:22.5/6

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

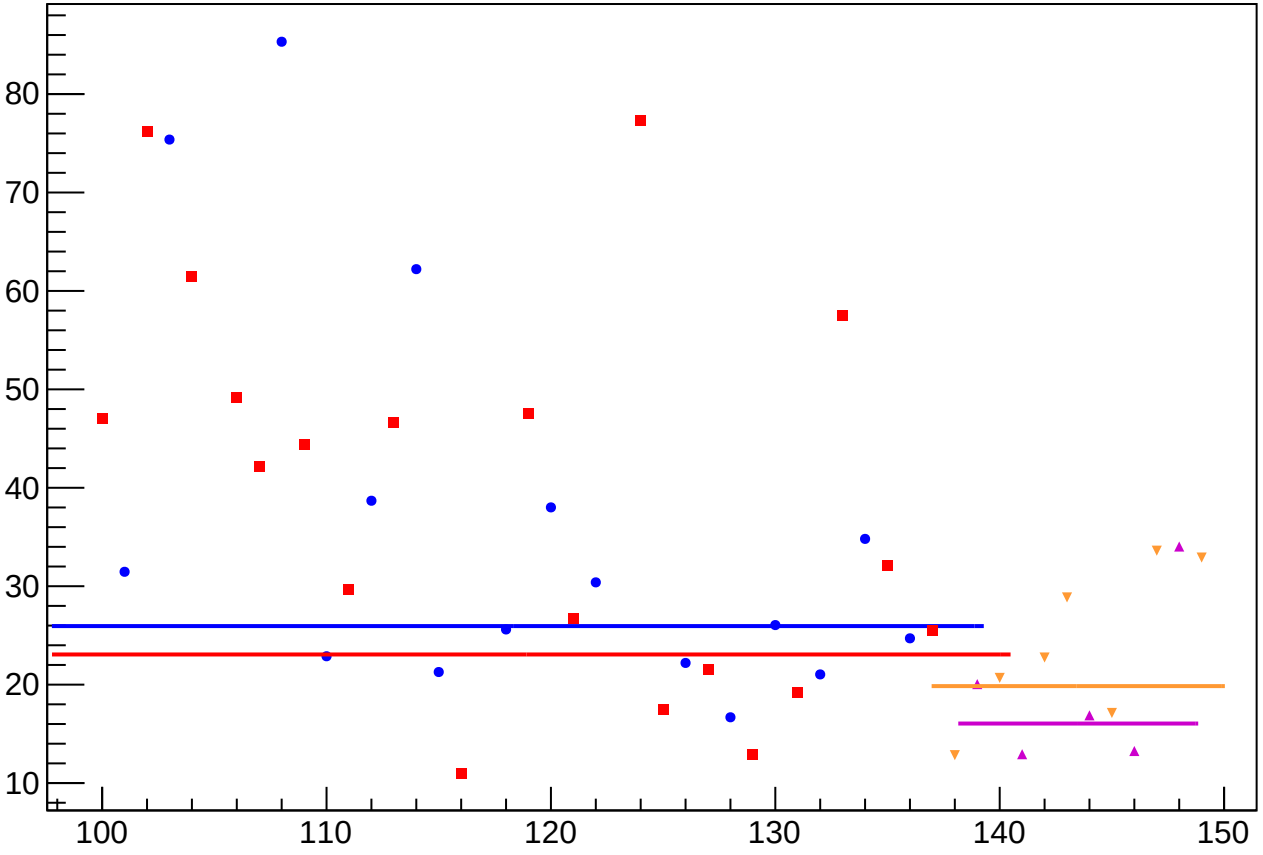
Left In: 0.014+/-0.009 χ^2/NDF:1.9/4

+ sign 0.018+/-0.007 χ^2/NDF: 39.3/22

All: 0.018+/-0.005 χ^2/NDF: 49.3/46

- 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: 19.850+/-0.007 χ^2/NDF:1018503.9/6

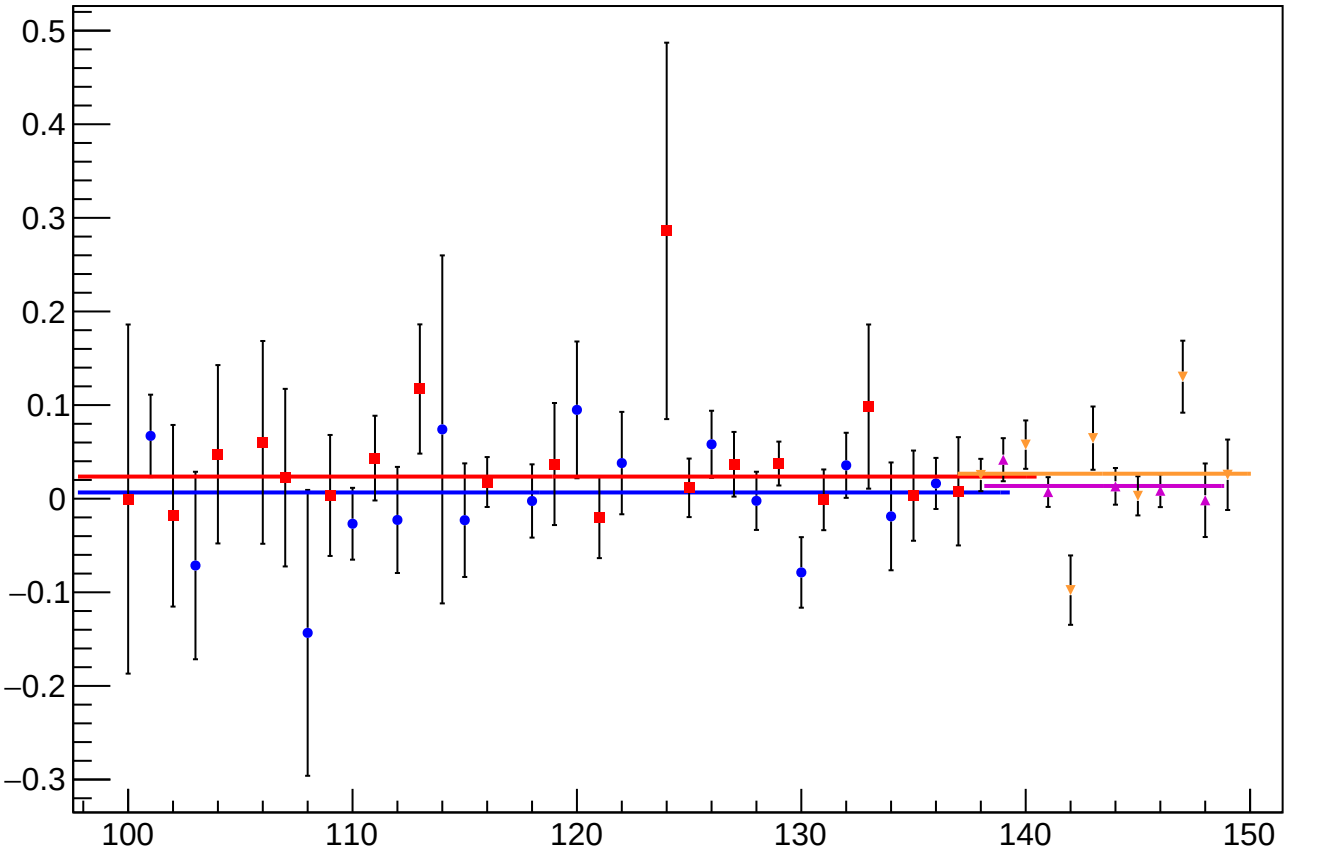
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 16.048+/-0.006 χ^2/NDF:610888.5/4

+ sign 22.563+/-0.005 χ^2/NDF: 2735398.8/22

All: 20.649+/-0.004 χ^2/NDF: 7469747.7/46

- 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:22.5/6

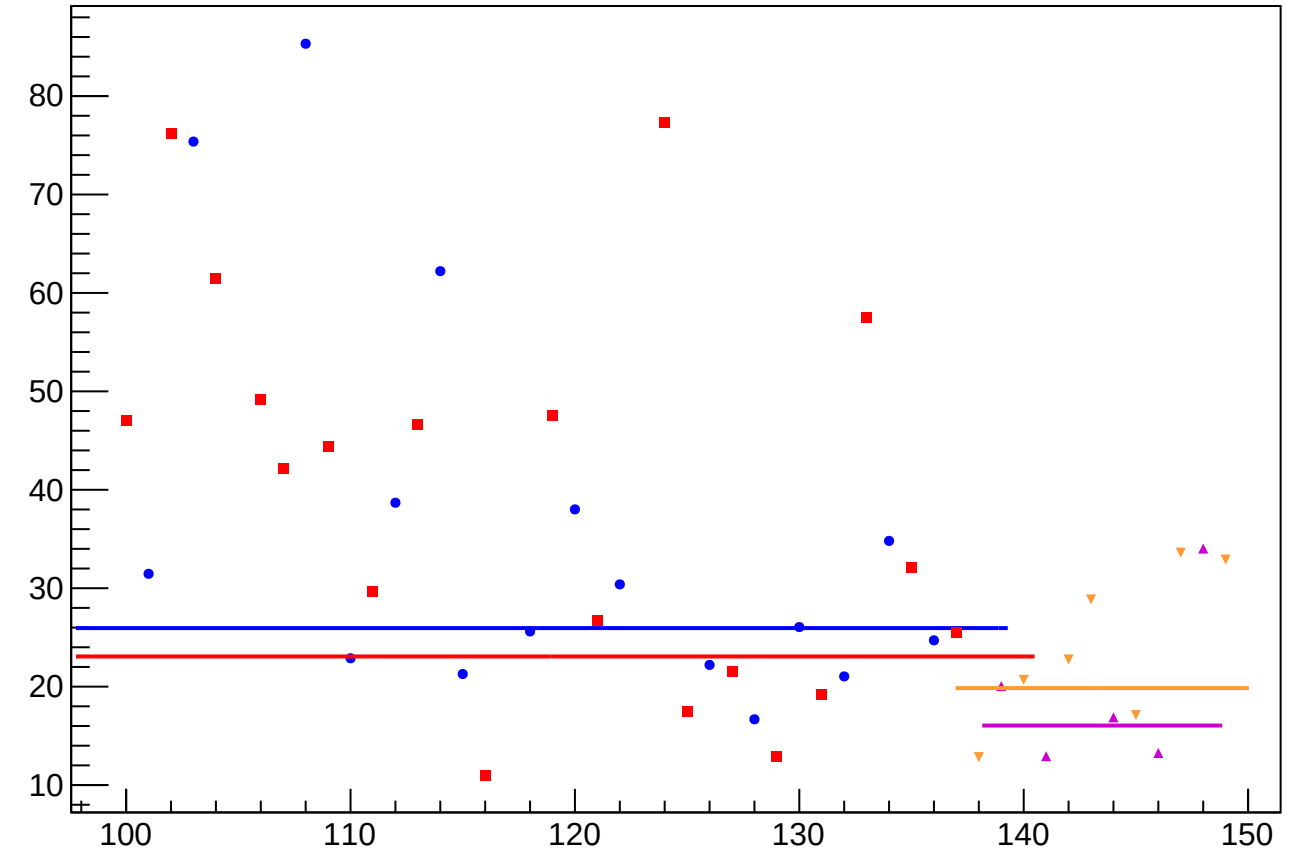
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.014+/-0.009 χ^2/NDF:1.9/4

+ sign 0.018+/-0.007 χ^2/NDF: 39.3/22

All: 0.018+/-0.005 χ^2/NDF: 49.3/46

- 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: 19.850+/-0.007 χ^2/NDF:1018503.9/6

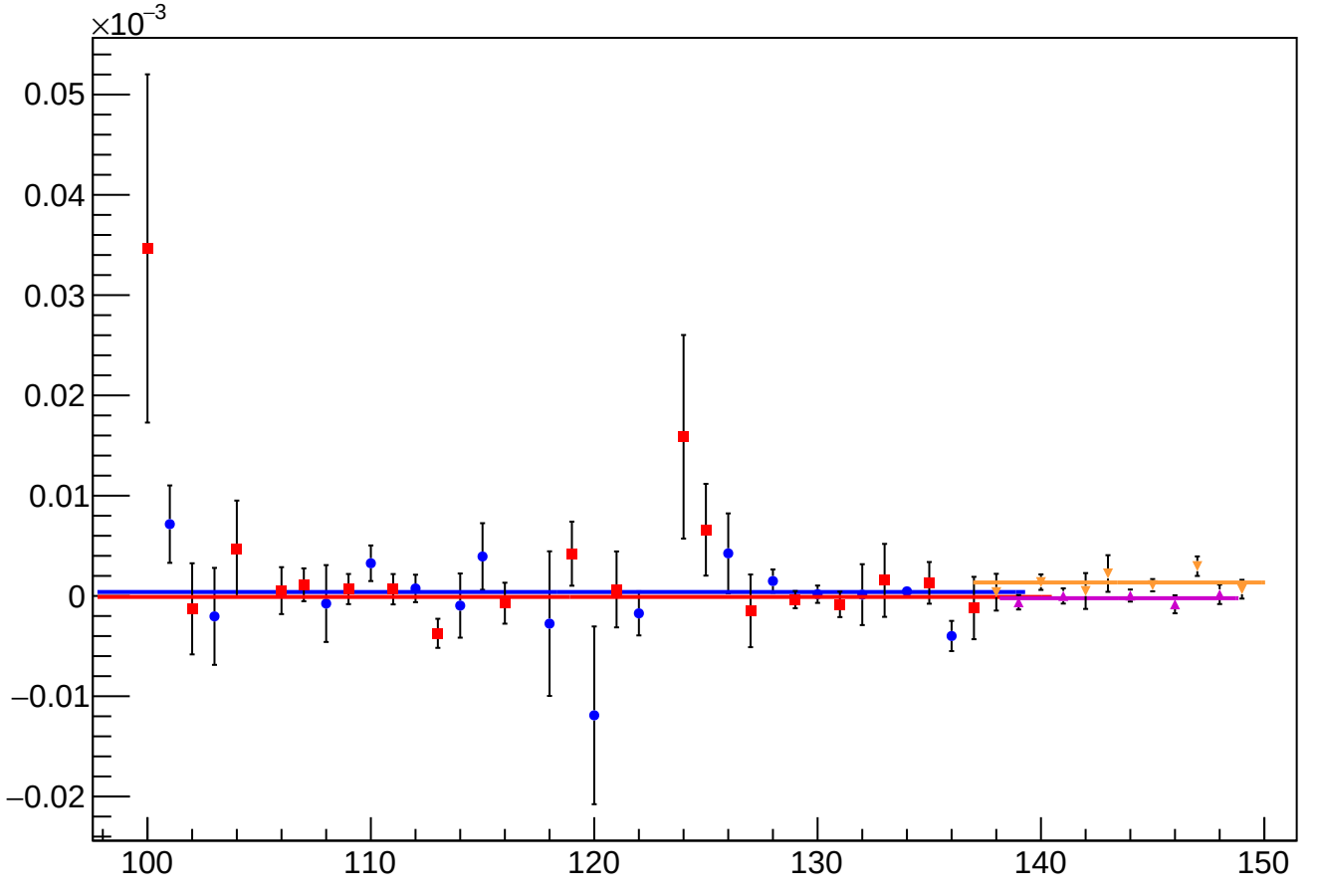
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 16.048+/-0.006 χ^2/NDF:610888.5/4

+ sign 22.563+/-0.005 χ^2/NDF: 2735398.8/22

All: 20.649+/-0.004 χ^2/NDF: 7469747.7/46

- 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:4.2/6

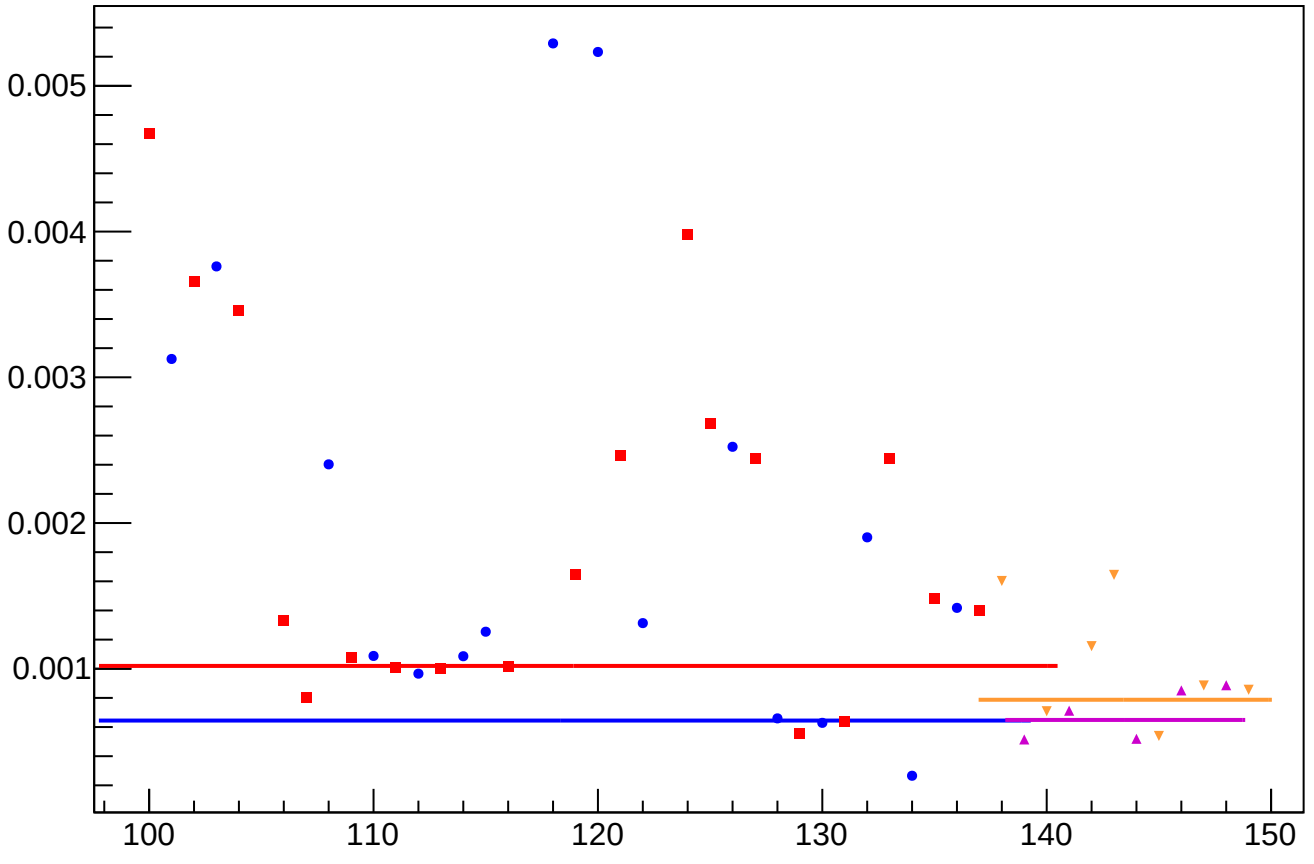
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/22

All: 0.000+/-0.000 χ^2/NDF: 58.0/46

- 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:1301834.6/6

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

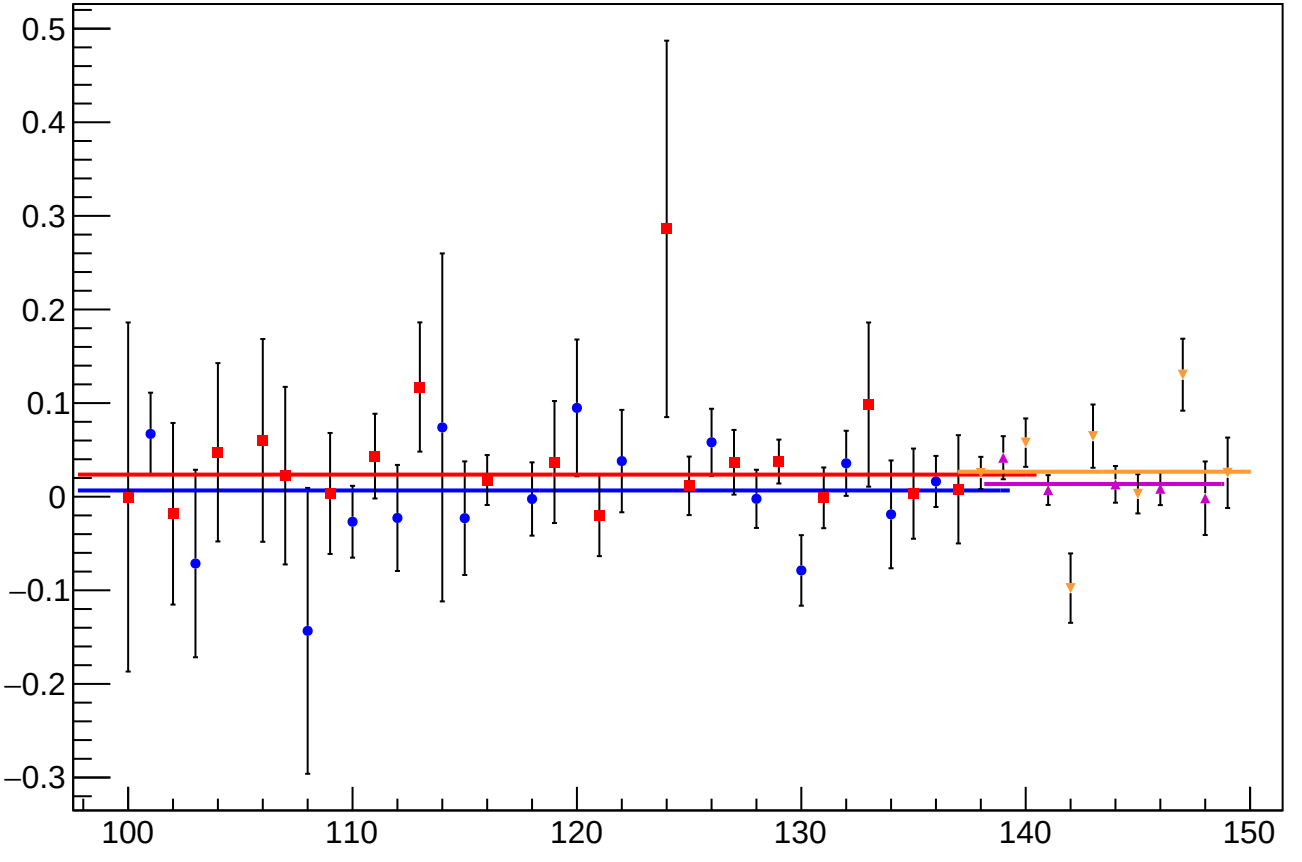
Left In: 0.001+/-0.000 χ^2/NDF:398043.1/4

+ sign 0.001+/-0.000 χ^2/NDF: 8040487.8/22

All: 0.001+/-0.000 χ^2/NDF: 13044489.2/46

- 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:22.5/6

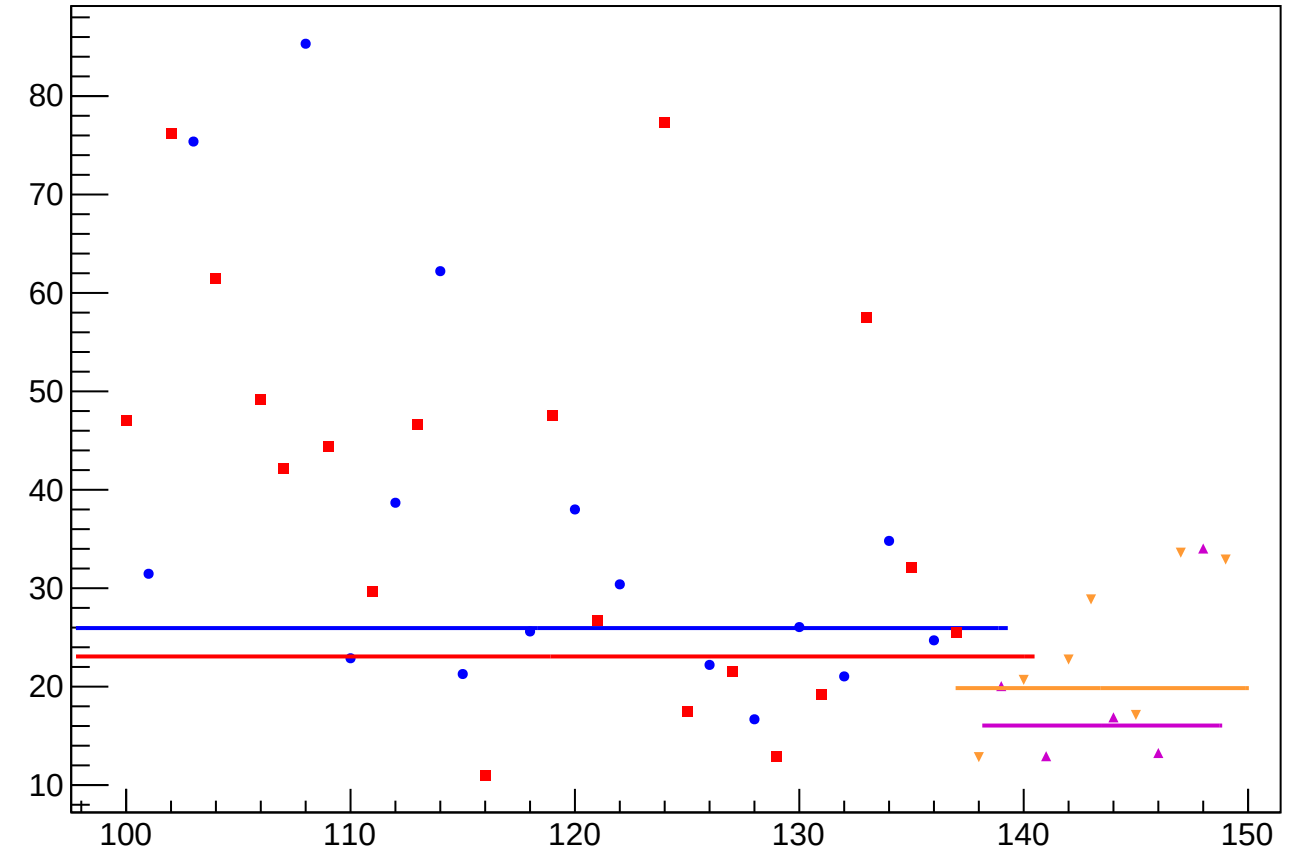
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.014+/-0.009 χ^2/NDF:1.9/4

+ sign 0.018+/-0.007 χ^2/NDF: 39.3/22

All: 0.018+/-0.005 χ^2/NDF: 49.3/46

- 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: 19.850+/-0.007 χ^2/NDF:1018502.5/6

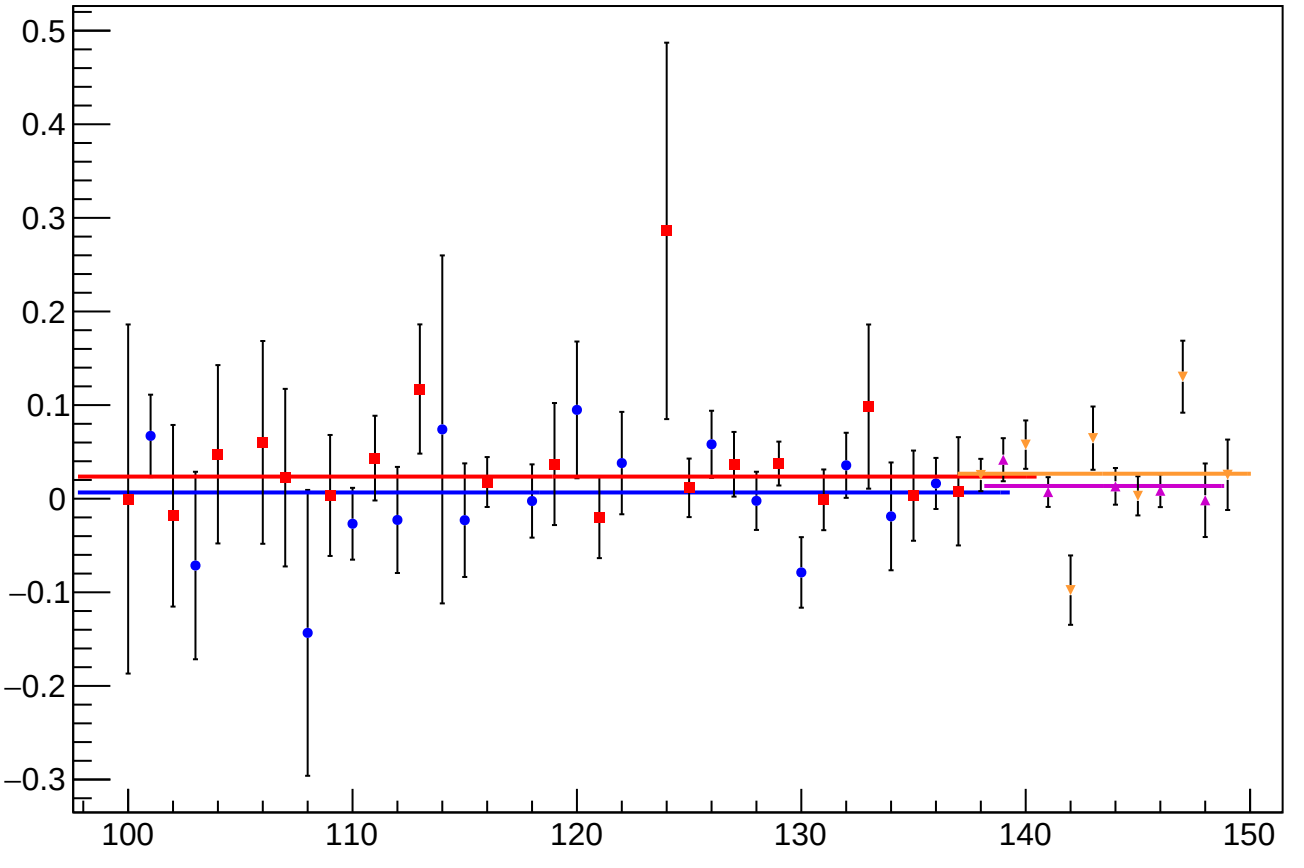
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.048+/-0.006 χ^2/NDF:610868.3/4

+ sign 22.564+/-0.005 χ^2/NDF: 2735335.6/22

All: 20.649+/-0.004 χ^2/NDF: 7469580.4/46

- sign 19.019+/-0.005 χ^2/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:22.5/6

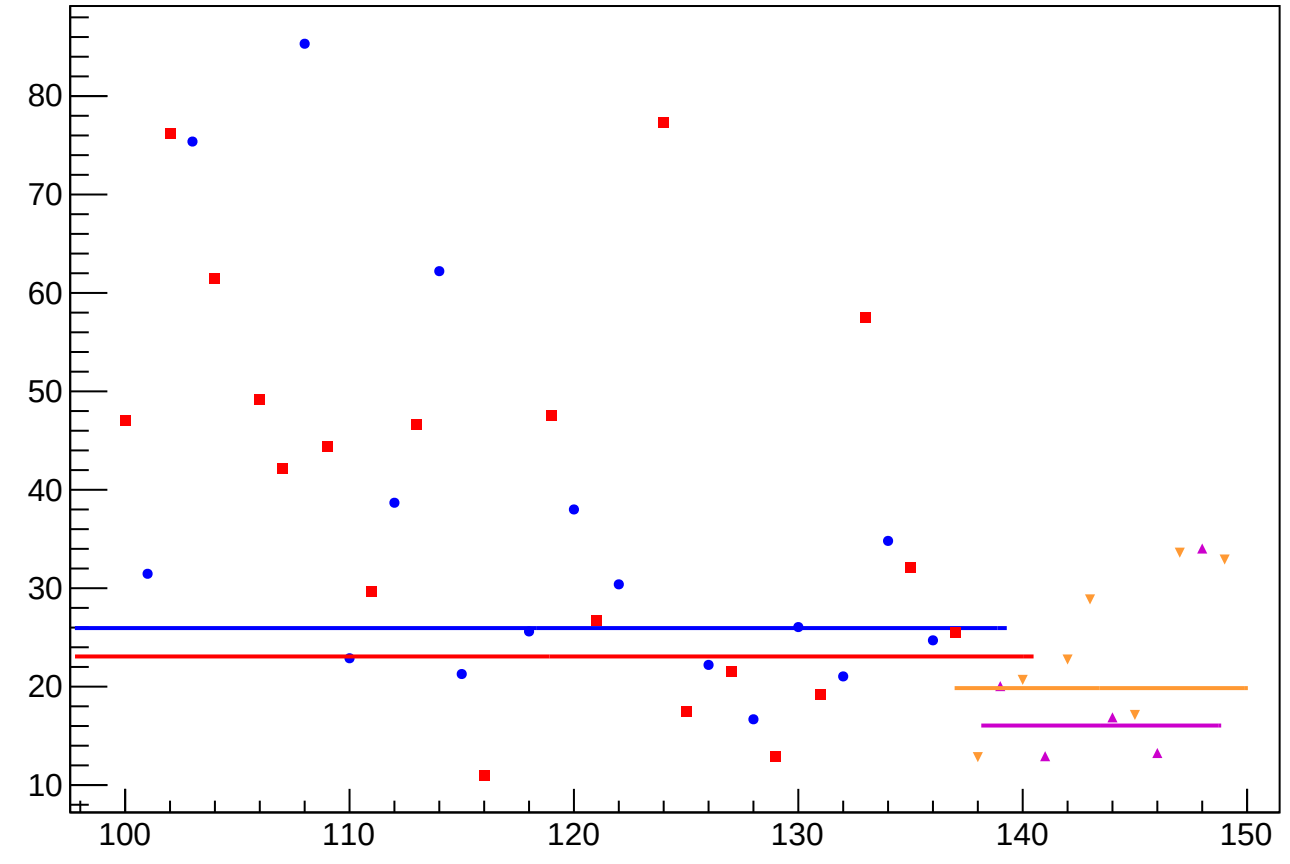
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.014+/-0.009 χ^2/NDF:1.9/4

+ sign 0.018+/-0.007 χ^2/NDF: 39.3/22

All: 0.018+/-0.005 χ^2/NDF: 49.3/46

- 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: 19.850+/-0.007 χ^2/NDF:1018502.5/6

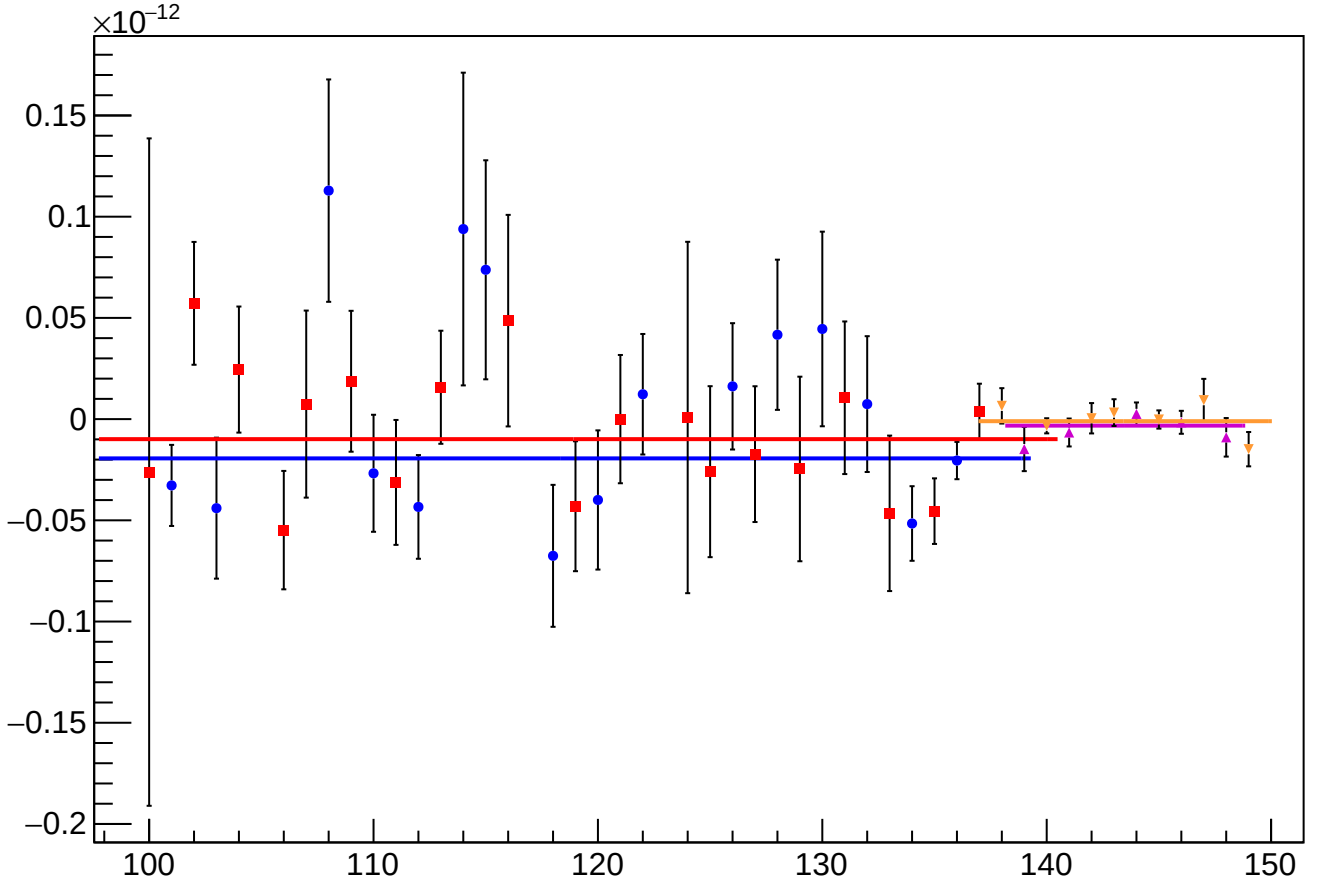
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.048+/-0.006 χ^2/NDF:610868.3/4

+ sign 22.564+/-0.005 χ^2/NDF: 2735335.6/22

All: 20.649+/-0.004 χ^2/NDF: 7469580.4/46

- 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:5.2/6

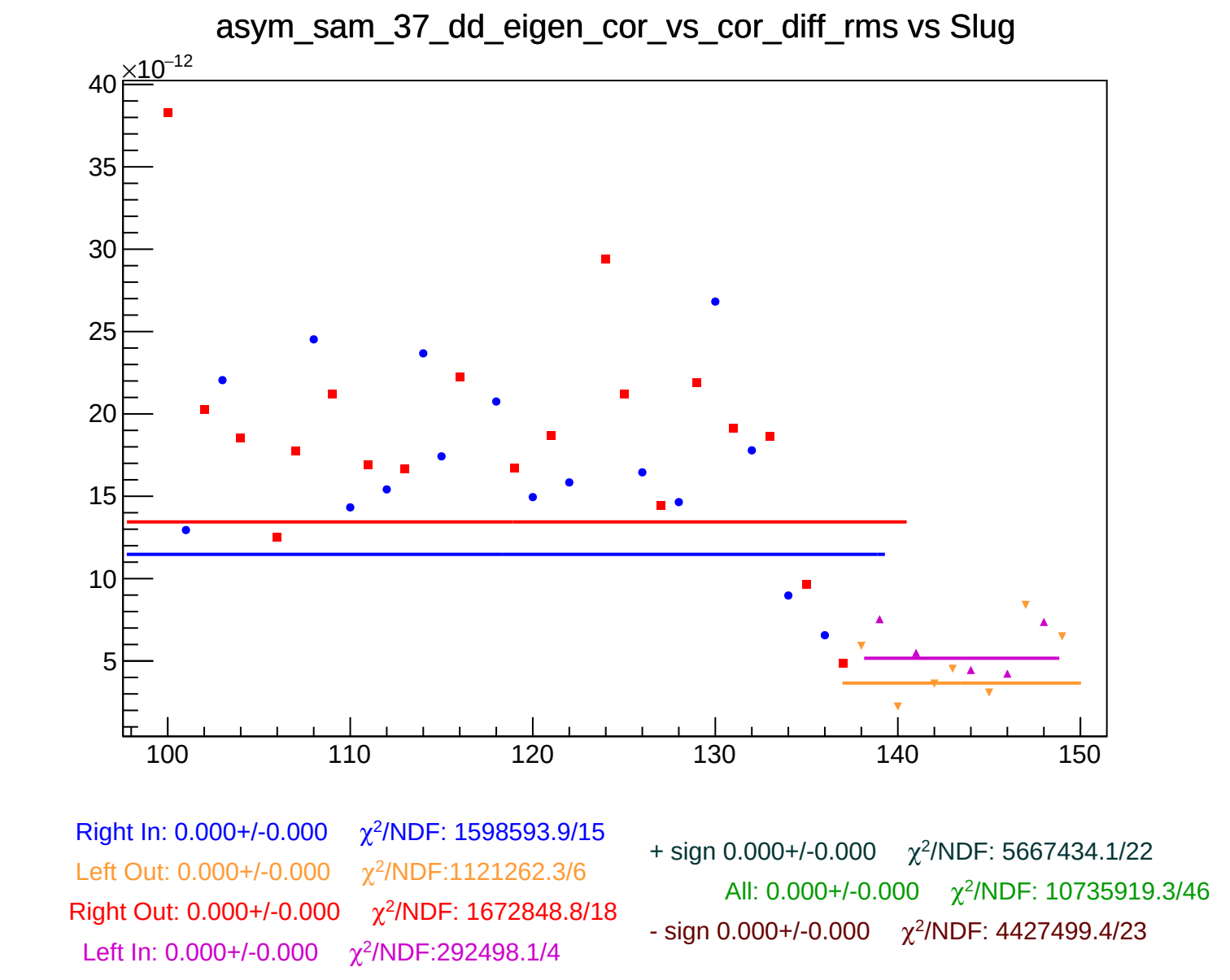
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/4

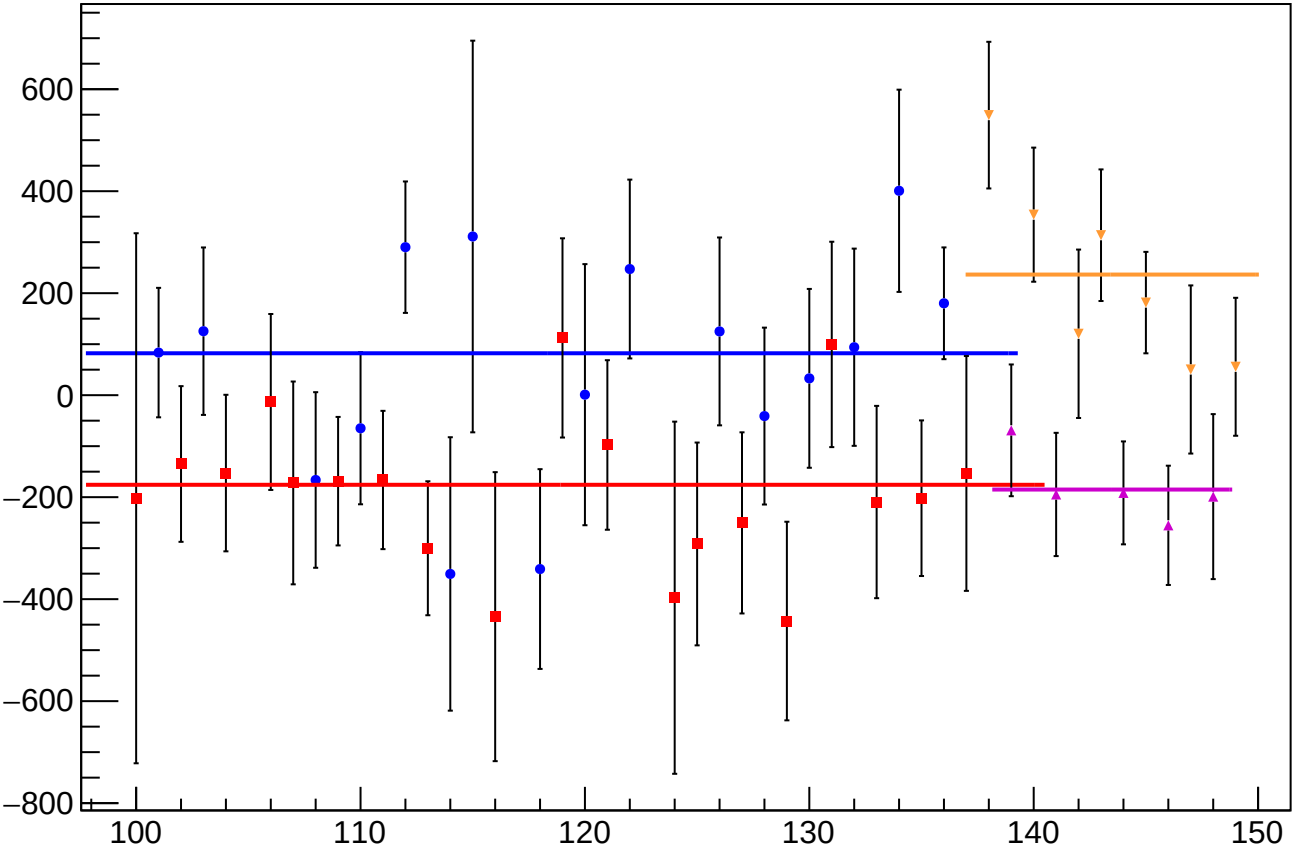
+ sign -0.000+/-0.000 χ^2/NDF: 39.0/22

All: -0.000+/-0.000 χ^2/NDF: 63.2/46

- sign -0.000+/-0.000 χ^2/NDF: 24.0/23


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1121262.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:292498.1/4
+ sign 0.000+/-0.000 χ²/NDF: 5667434.1/22
All: 0.000+/-0.000 χ²/NDF: 10735919.3/46
- sign 0.000+/-0.000 χ²/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: 236.524+/-50.287 χ^2/NDF:9.7/6

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

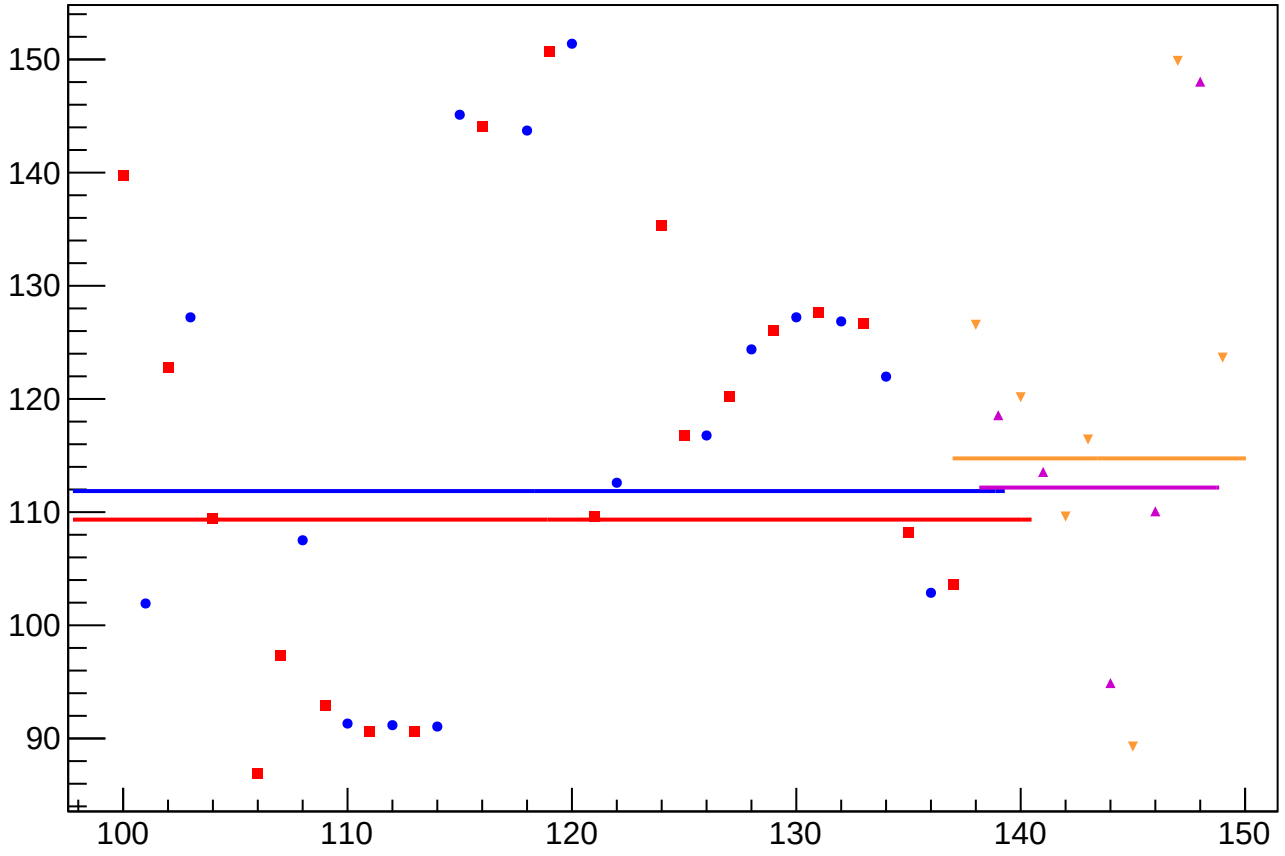
Left In: -185.062+/-54.400 χ^2/NDF:1.2/4

+ sign 145.849+/-32.296 χ^2/NDF: 33.6/22

All: -15.217+/-22.934 χ^2/NDF: 94.9/46

- 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: 114.749+/-0.036 χ^2/NDF:249646.5/6

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

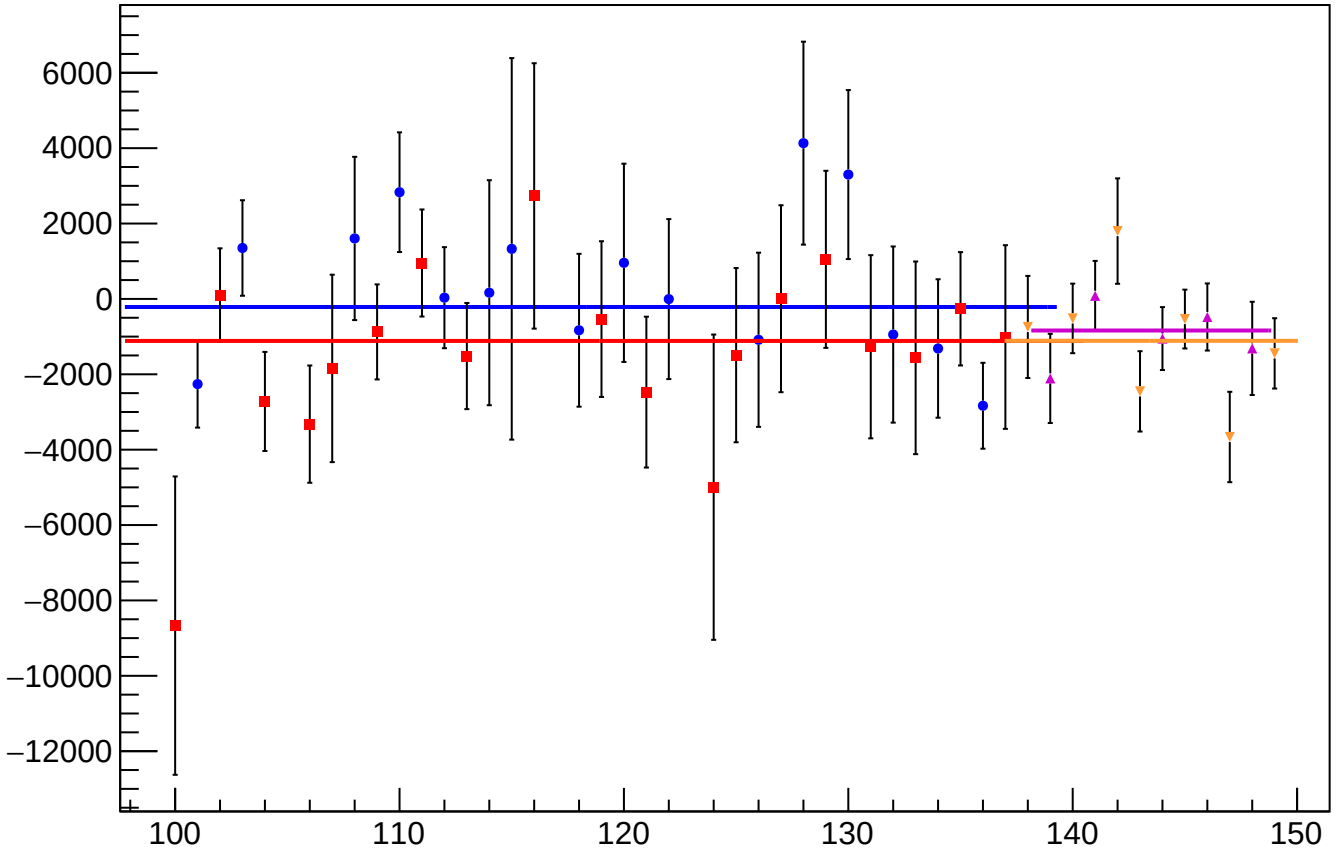
Left In: 112.171+/-0.038 χ^2/NDF:162720.8/4

+ sign 113.053+/-0.023 χ^2/NDF: 559544.2/22

All: 111.716+/-0.016 χ^2/NDF: 1099875.6/46

- sign 110.355+/-0.023 χ^2/NDF: 533413.5/23

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1112.312+/-389.318 χ^2/NDF:11.6/6

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

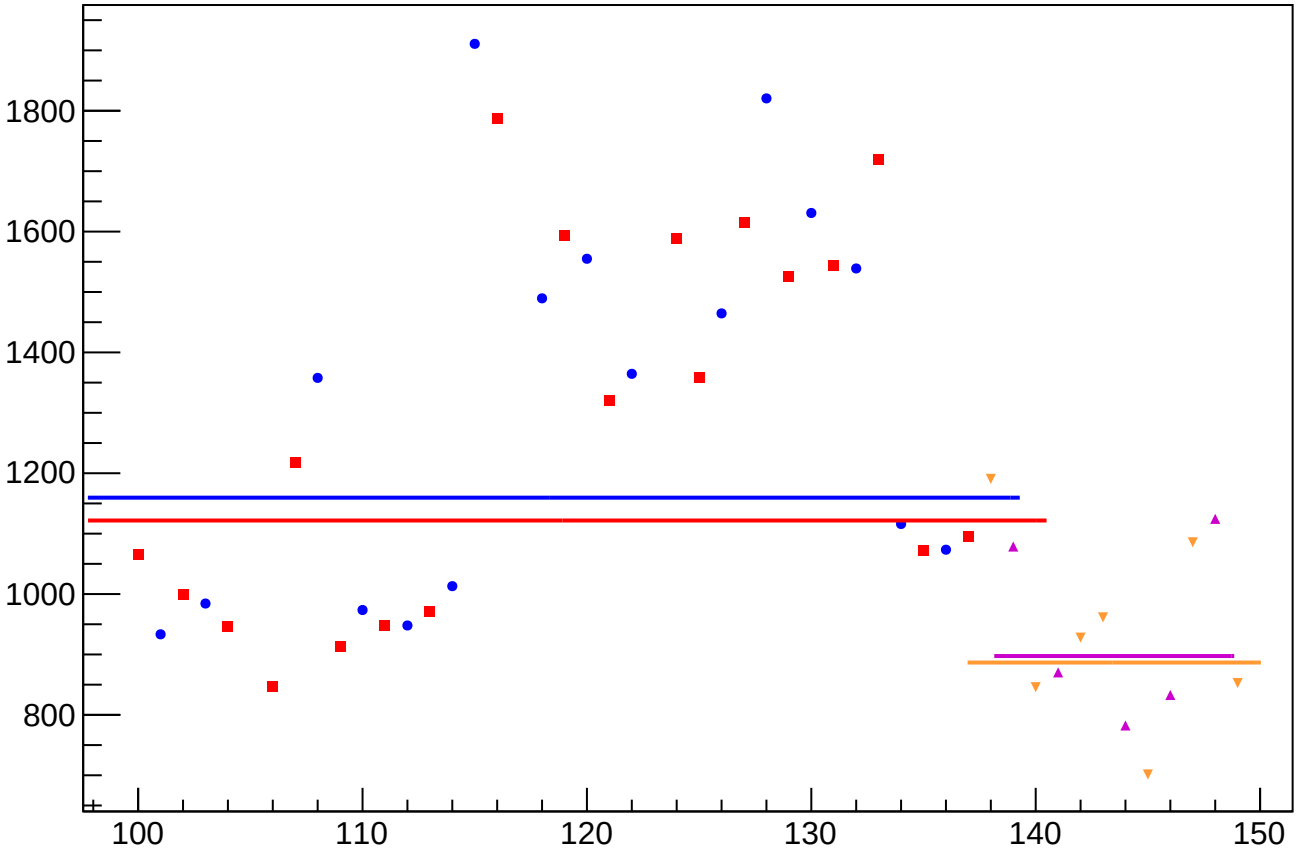
Left In: -838.193+/-437.236 χ^2/NDF:2.5/4

+ sign -721.894+/-292.713 χ^2/NDF: 34.4/22

All: -846.539+/-210.866 χ^2/NDF: 52.0/46

- 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: 886.640+/-0.275 χ^2/NDF:286764.2/6

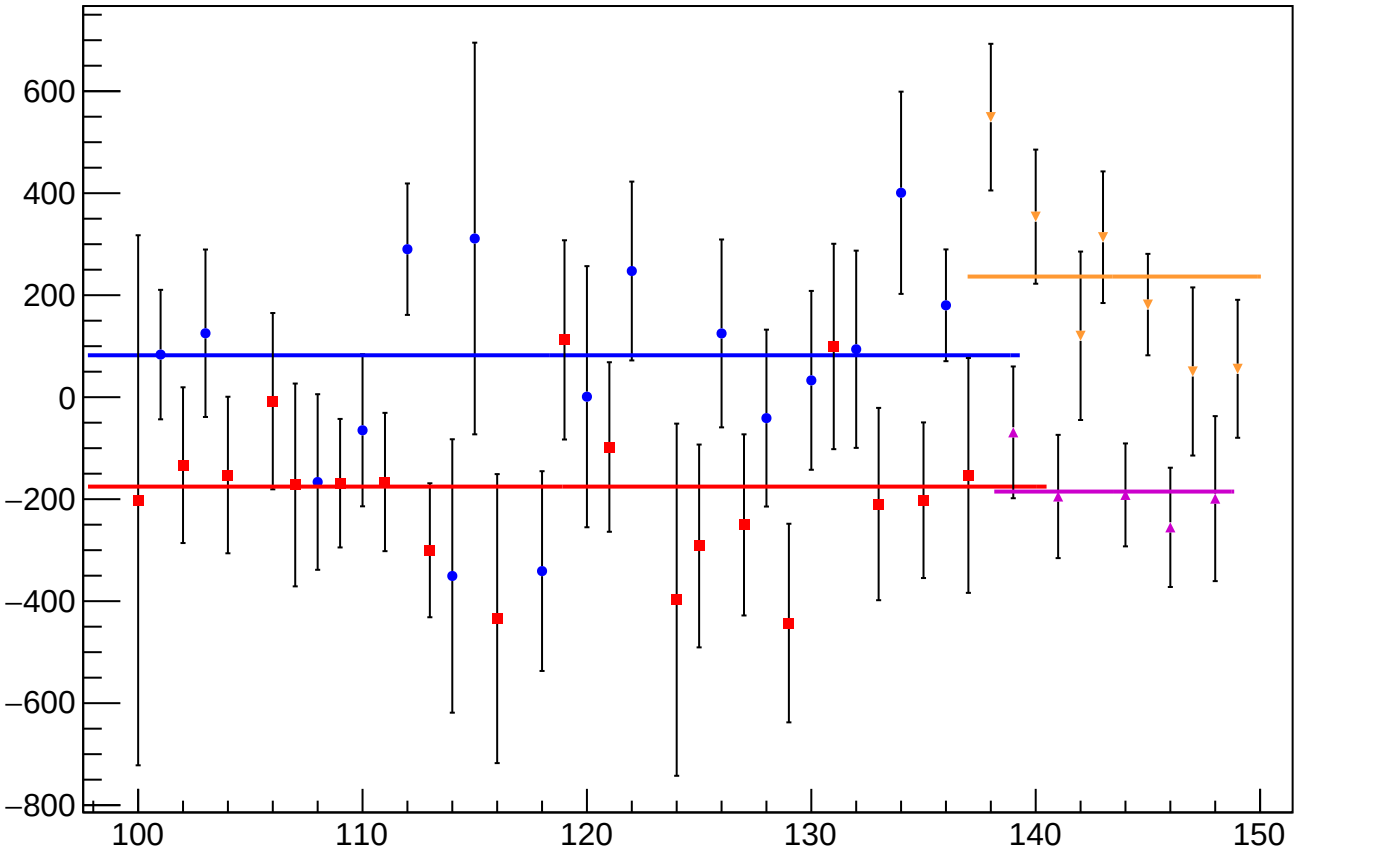
Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 897.405+/-0.309 χ^2/NDF:164518.9/4

+ sign 1005.283+/-0.207 χ^2/NDF: 1397730.2/22

All: 1009.130+/-0.149 χ^2/NDF: 2617201.9/46

- 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: 236.536+/-50.287 χ^2/NDF:9.7/6

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

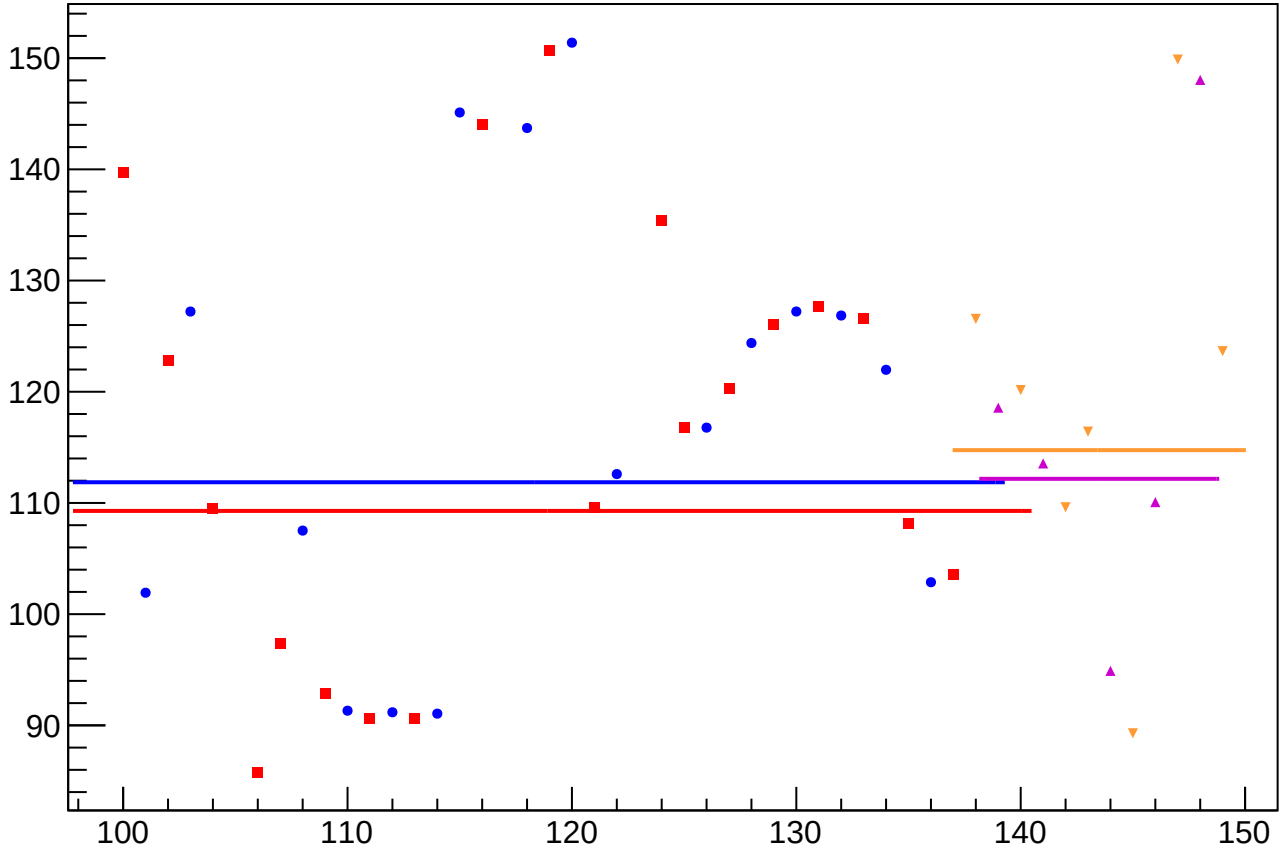
Left In: -185.072+/-54.400 χ^2/NDF:1.2/4

+ sign 145.847+/-32.296 χ^2/NDF: 33.7/22

All: -15.081+/-22.935 χ^2/NDF: 94.9/46

- 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: 114.749+/-0.036 χ^2/NDF:249646.5/6

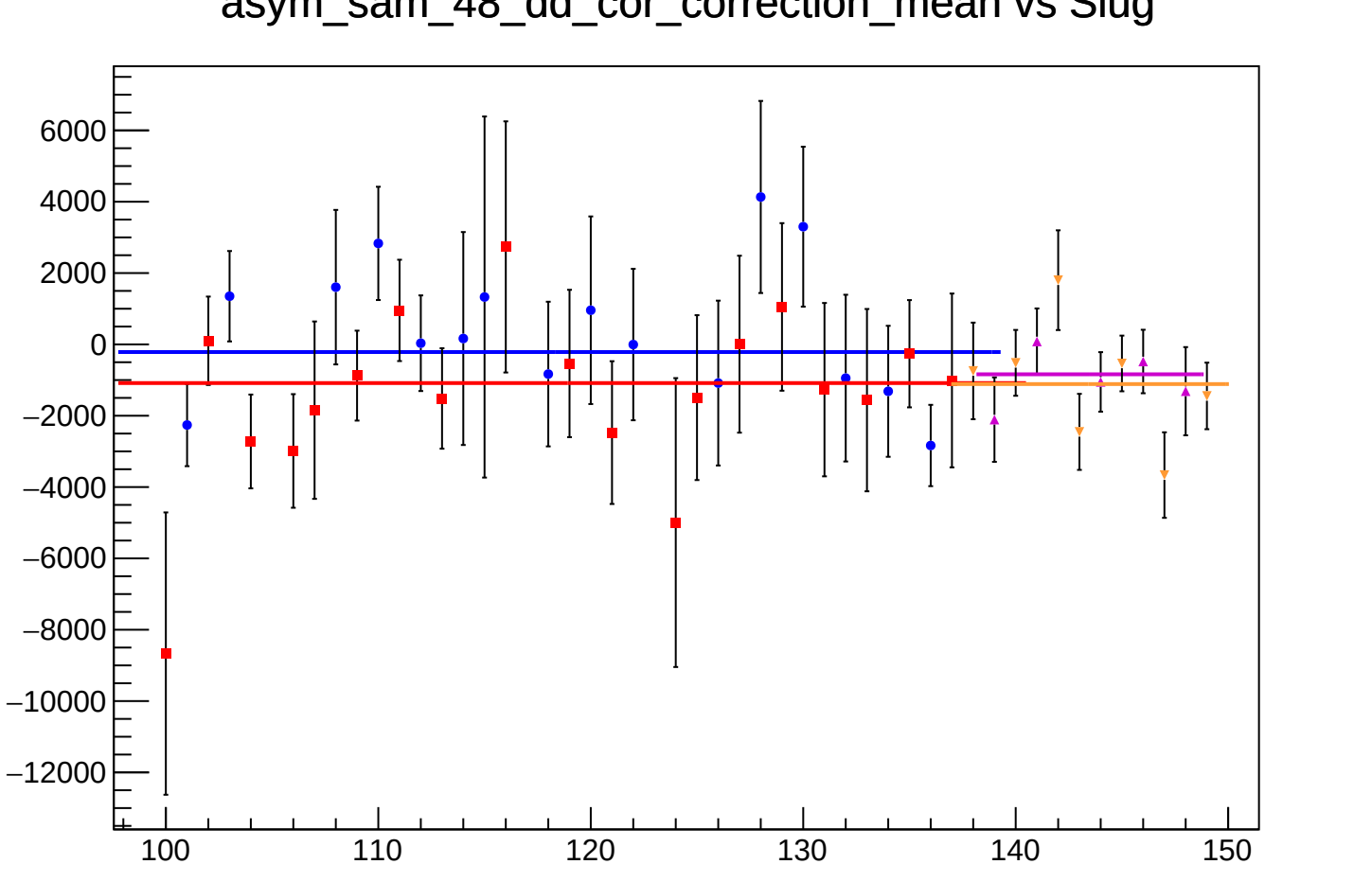
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 112.171+/-0.038 χ^2/NDF:162720.8/4

+ sign 113.053+/-0.023 χ^2/NDF: 559545.3/22

All: 111.698+/-0.016 χ^2/NDF: 1103691.5/46

- 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: -1112.301+/-389.318 χ^2/NDF:11.6/6

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

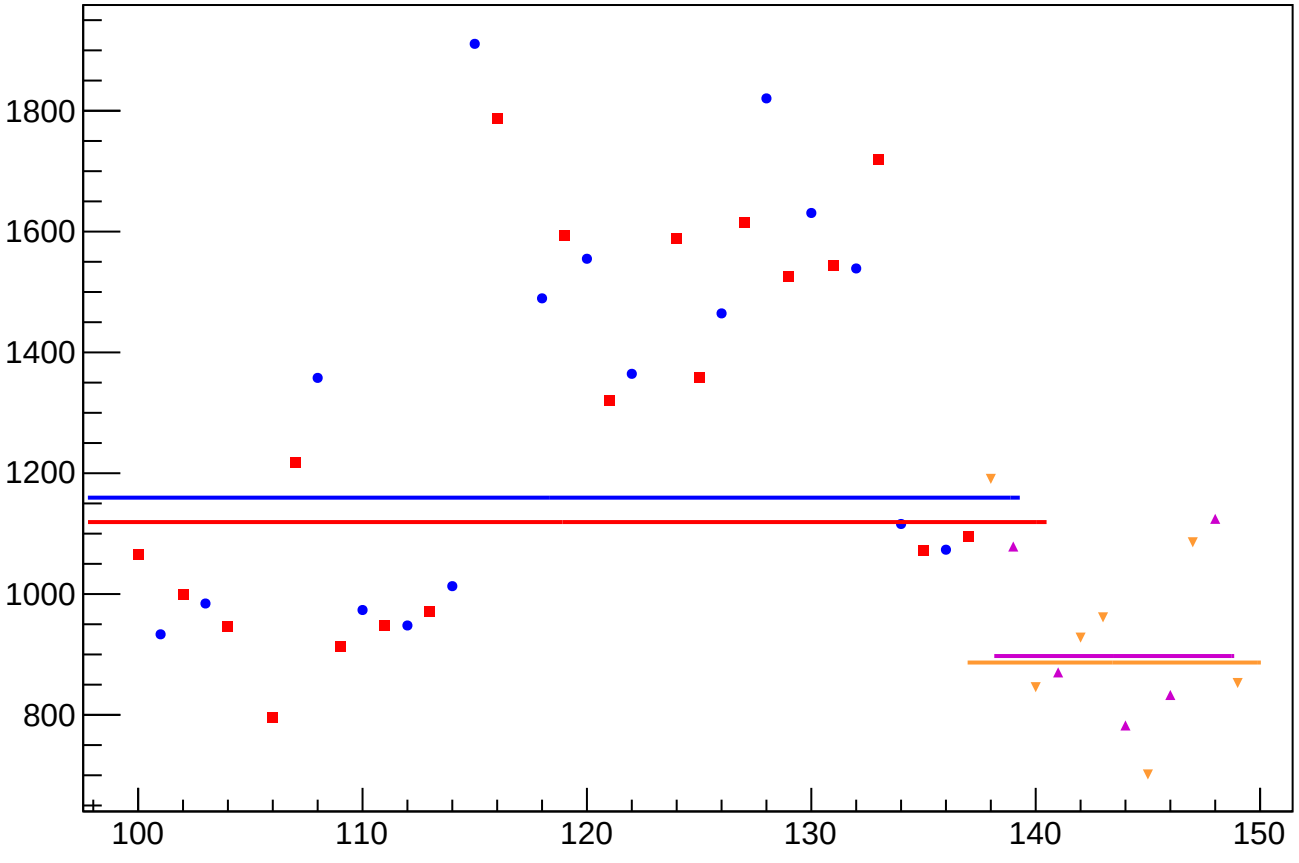
Left In: -838.201+/-437.236 χ^2/NDF:2.5/4

+ sign -721.930+/-292.714 χ^2/NDF: 34.4/22

All: -838.707+/-210.958 χ^2/NDF: 51.3/46

- 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: 886.640+/-0.275 χ^2/NDF:286765.8/6

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

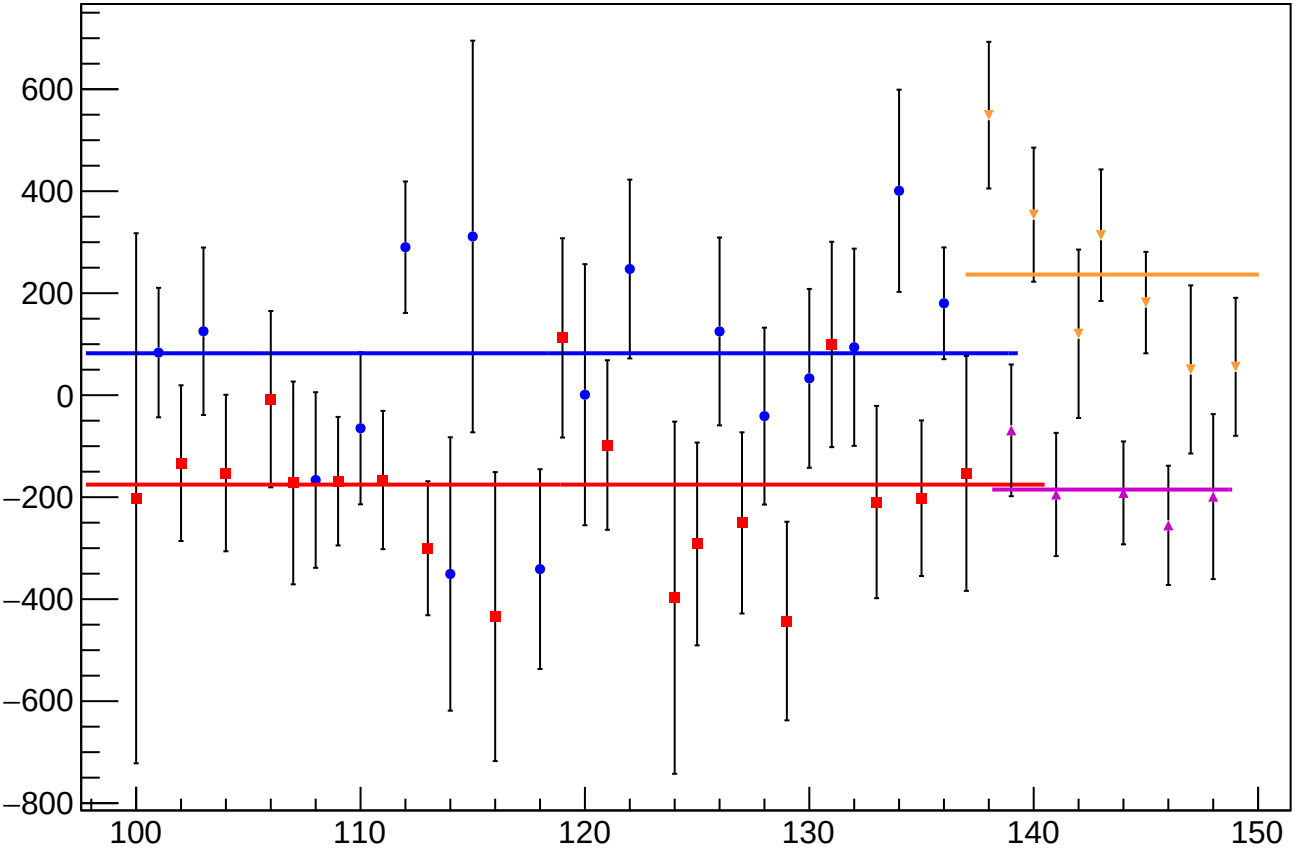
Left In: 897.406+/-0.309 χ^2/NDF:164516.9/4

+ sign 1005.286+/-0.207 χ^2/NDF: 1397728.6/22

All: 1008.391+/-0.149 χ^2/NDF: 2631124.0/46

- 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: 236.536+/-50.287 χ^2/NDF:9.7/6

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

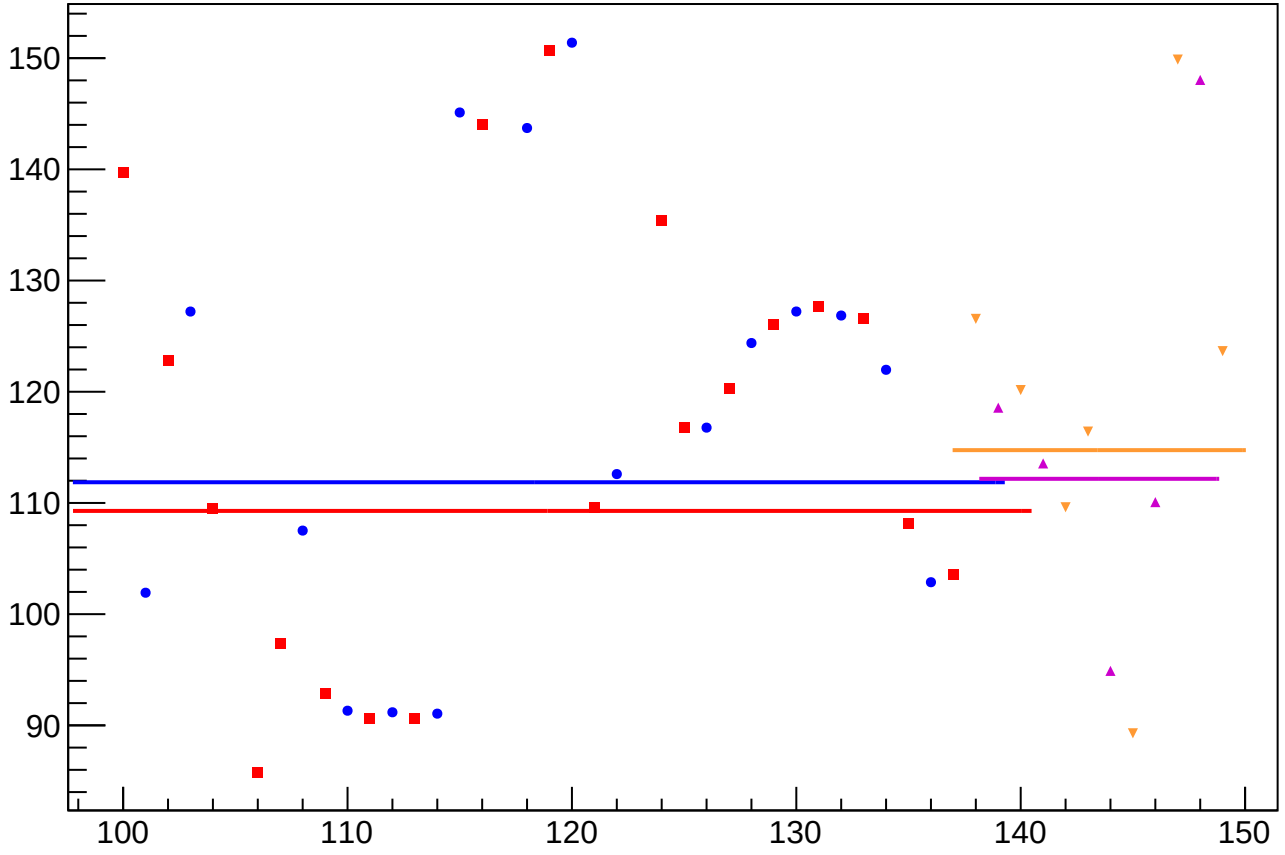
Left In: -185.072+/-54.400 χ^2/NDF:1.2/4

+ sign 145.847+/-32.296 χ^2/NDF: 33.7/22

All: -15.081+/-22.935 χ^2/NDF: 94.9/46

- 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: 114.749+/-0.036 χ^2/NDF:249646.5/6

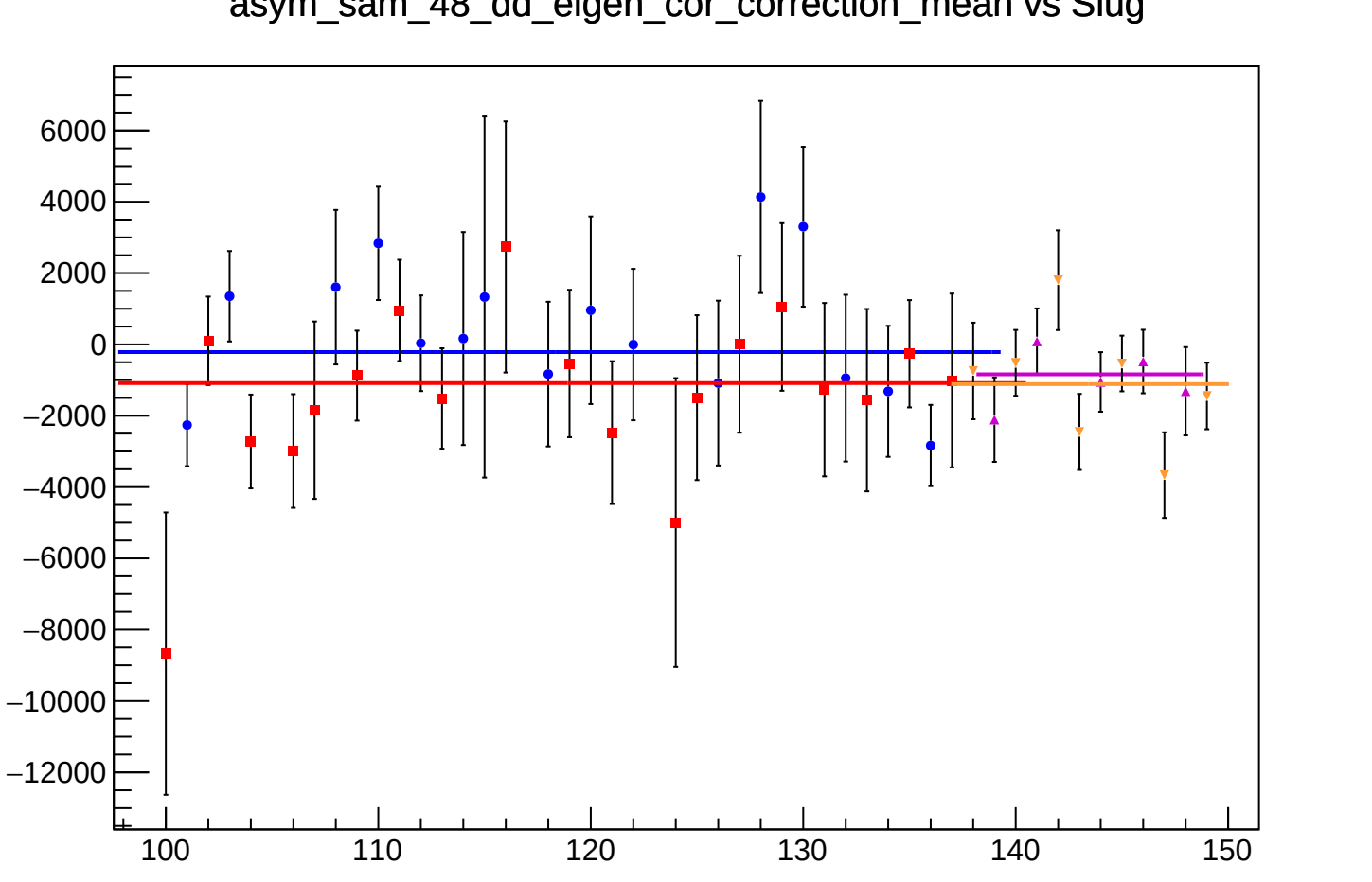
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 112.171+/-0.038 χ^2/NDF:162720.8/4

+ sign 113.053+/-0.023 χ^2/NDF: 559545.3/22

All: 111.698+/-0.016 χ^2/NDF: 1103691.5/46

- 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: -1112.301+/-389.318 χ^2/NDF:11.6/6

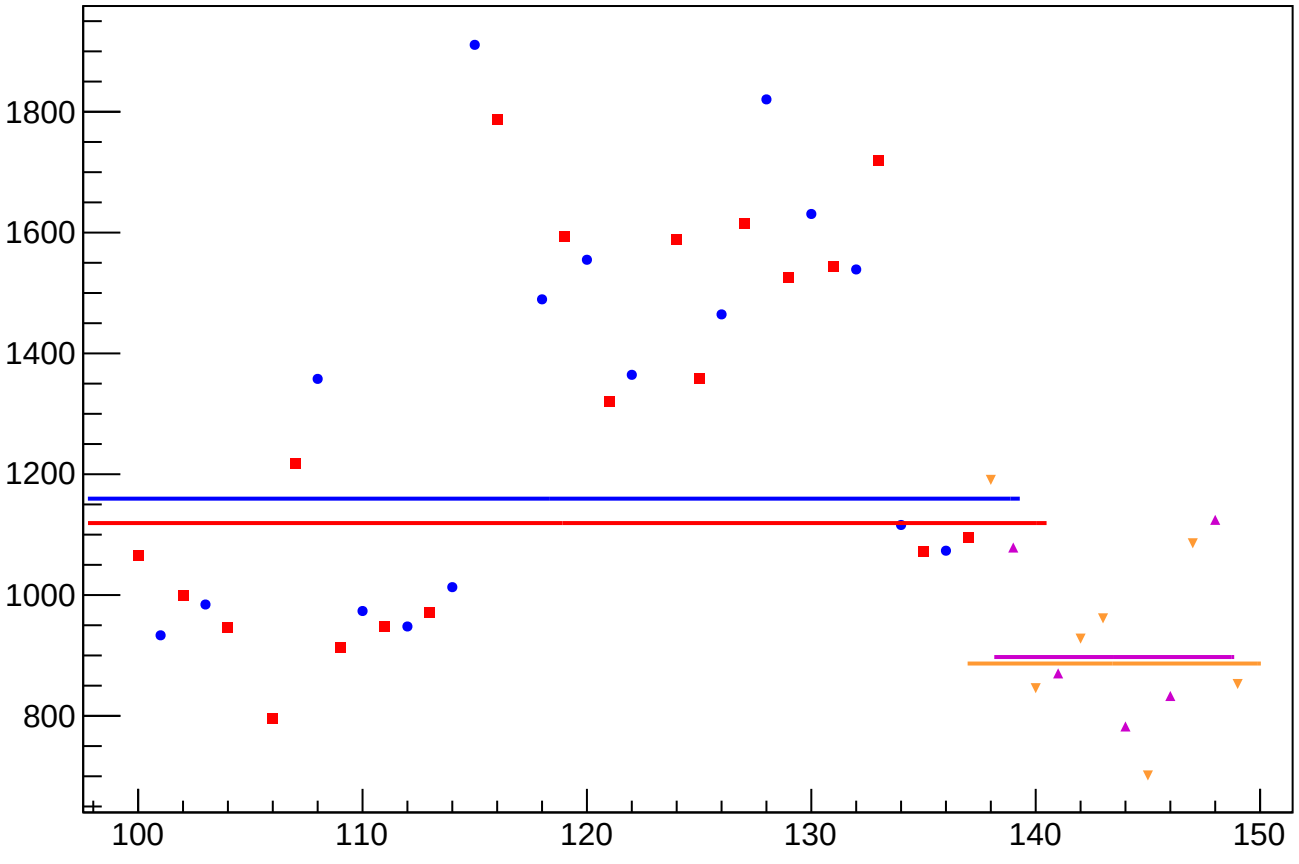
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -838.201+/-437.236 χ^2/NDF:2.5/4

+ sign -721.930+/-292.714 χ^2/NDF: 34.4/22

All: -838.707+/-210.958 χ^2/NDF: 51.3/46

- 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: 886.640+/-0.275 χ^2/NDF:286765.8/6

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

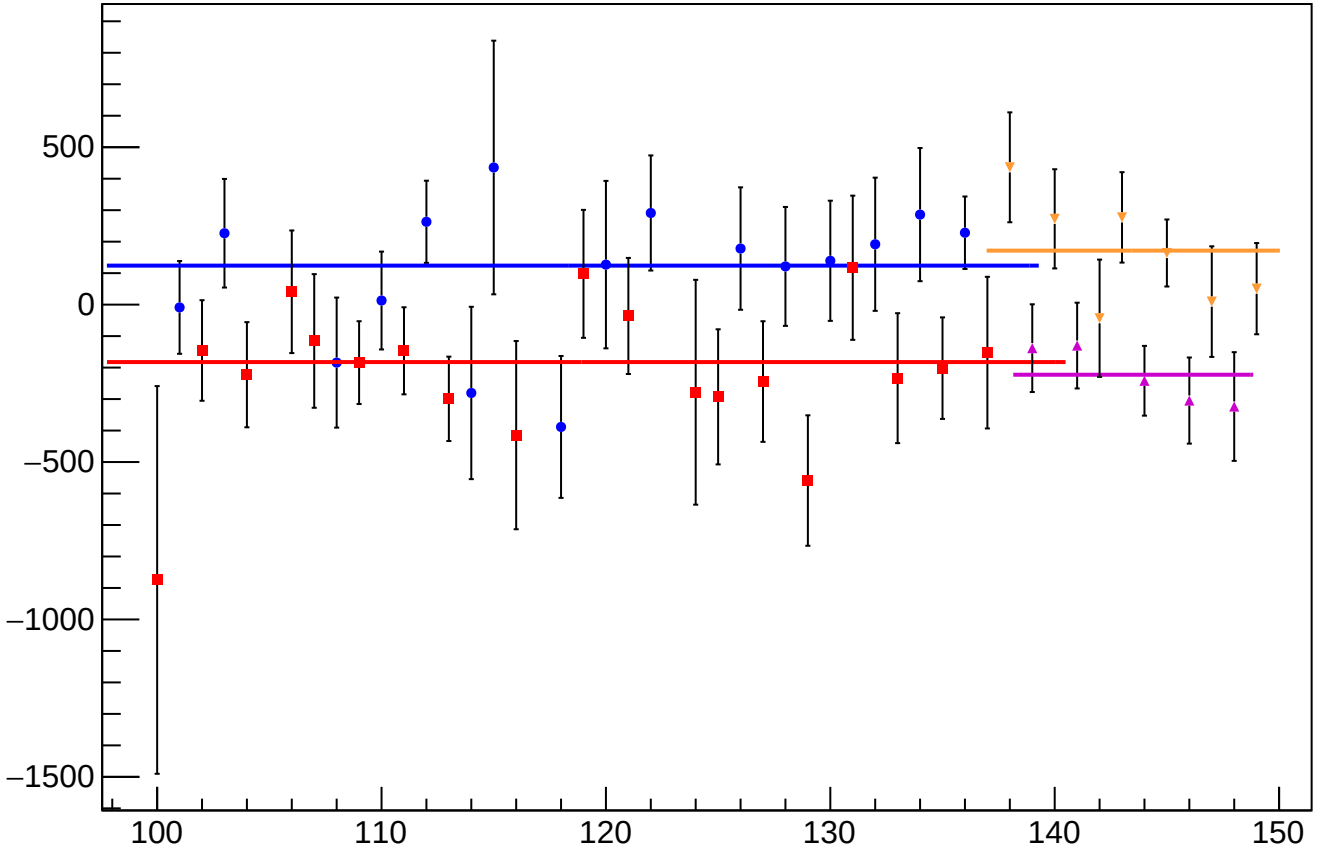
Left In: 897.406+/-0.309 χ^2/NDF:164516.9/4

+ sign 1005.286+/-0.207 χ^2/NDF: 1397728.6/22

All: 1008.391+/-0.149 χ^2/NDF: 2631124.0/46

- 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: 171.568+/-56.013 χ^2/NDF:6.1/6

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

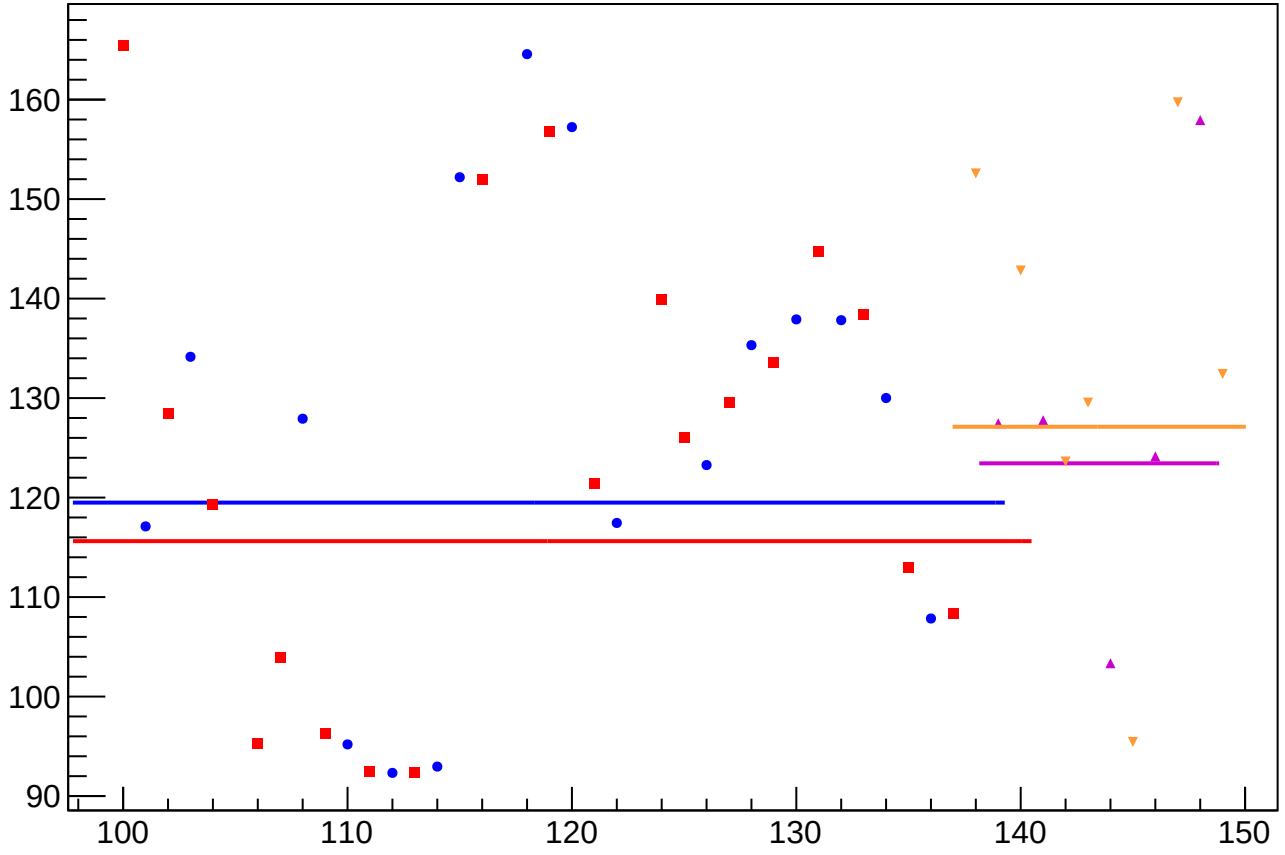
Left In: -222.688+/-60.432 χ^2/NDF:1.6/4

+ sign 142.713+/-35.194 χ^2/NDF: 22.0/22

All: -26.859+/-24.873 χ^2/NDF: 82.5/46

- 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: 127.117+/-0.040 χ^2/NDF:312311.2/6

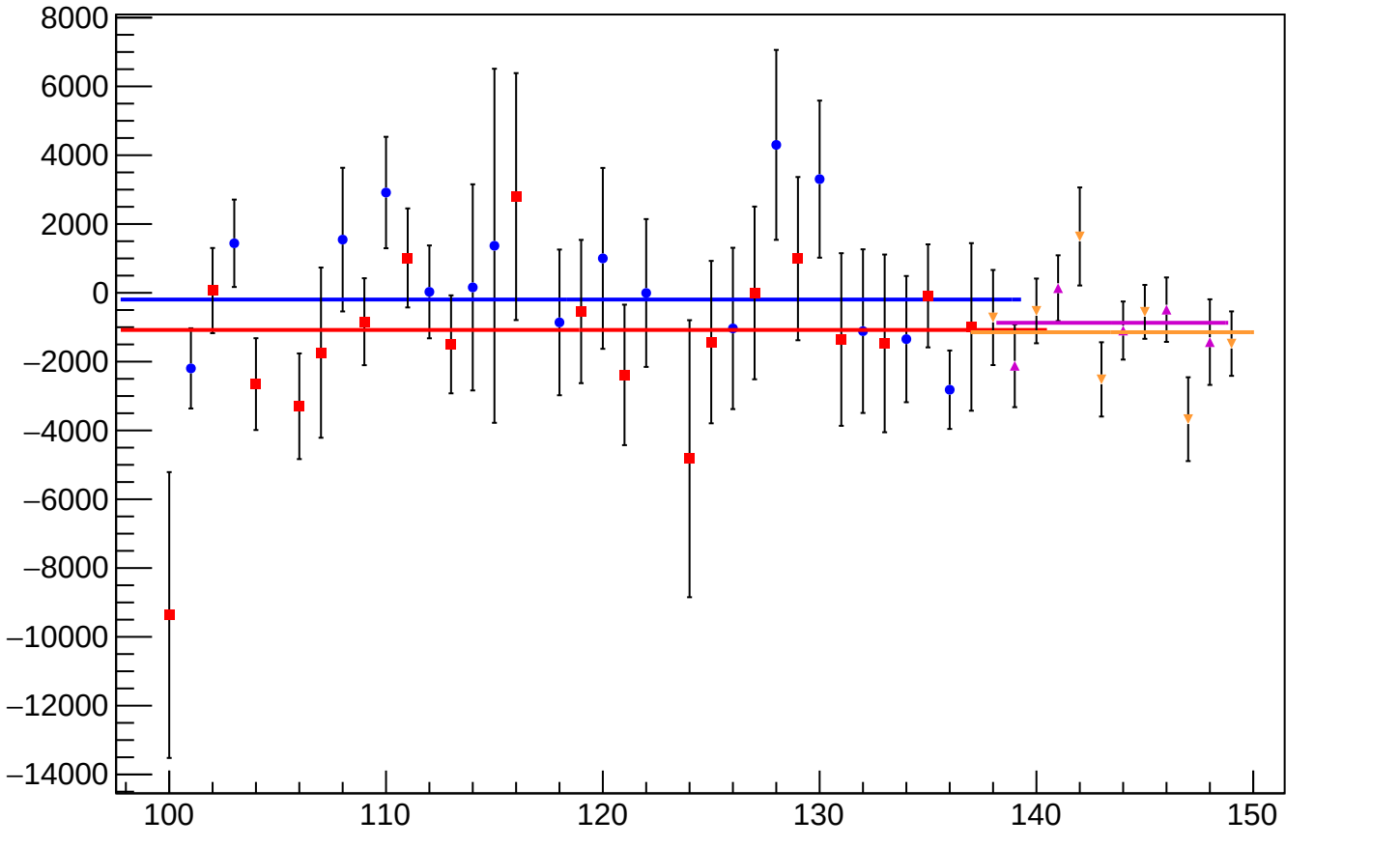
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 123.442+/-0.043 χ^2/NDF:149371.1/4

+ sign 122.504+/-0.025 χ^2/NDF: 714976.7/22

All: 120.384+/-0.018 χ^2/NDF: 1327962.7/46

- sign 118.268+/-0.025 χ^2/NDF: 598489.3/23



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1144.971+/-393.802 χ^2/NDF:11.0/6

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

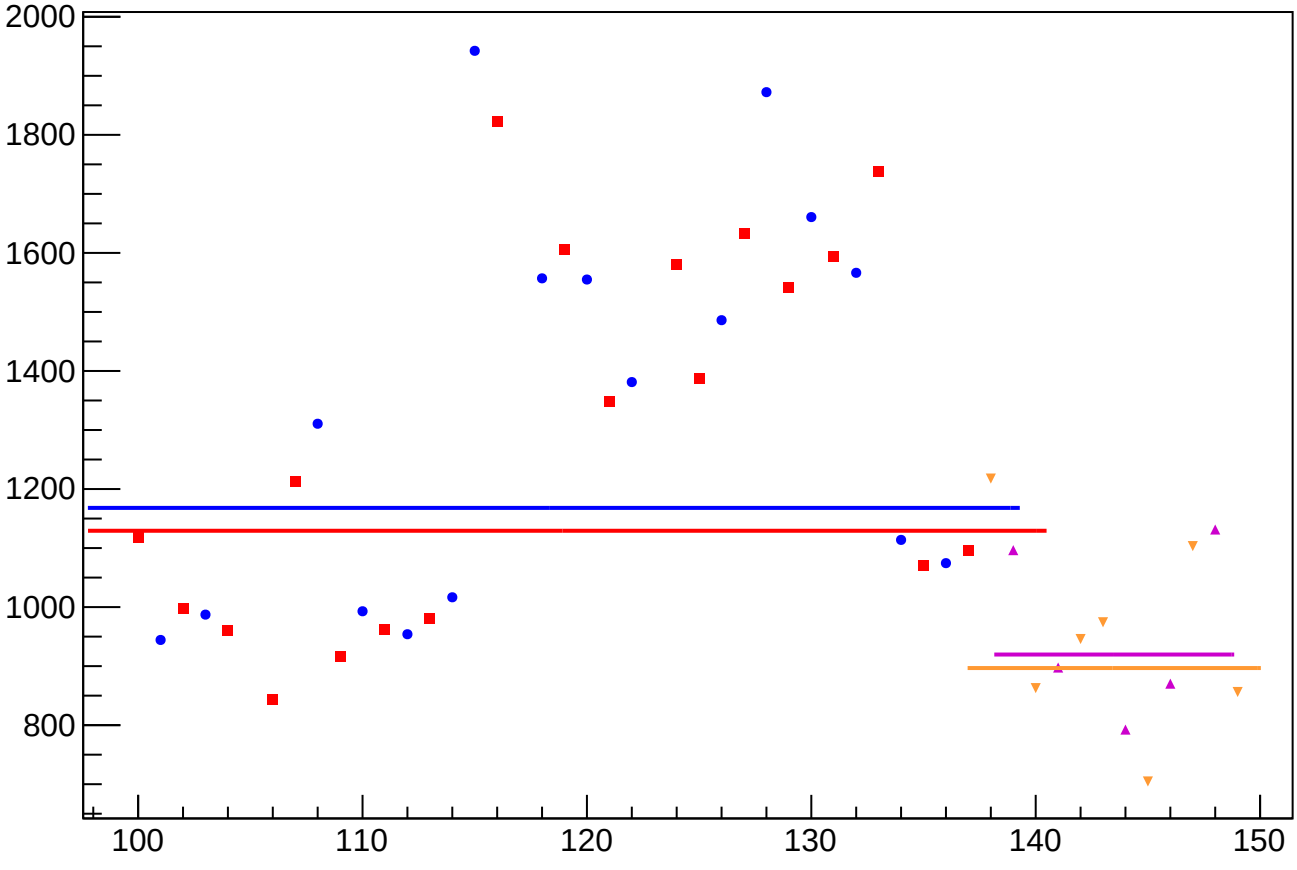
Left In: -871.406+/-448.245 χ^2/NDF:2.6/4

+ sign -730.238+/-295.584 χ^2/NDF: 33.9/22

All: -850.006+/-213.520 χ^2/NDF: 51.6/46

- 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: 896.749+/-0.278 χ^2/NDF:304786.0/6

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

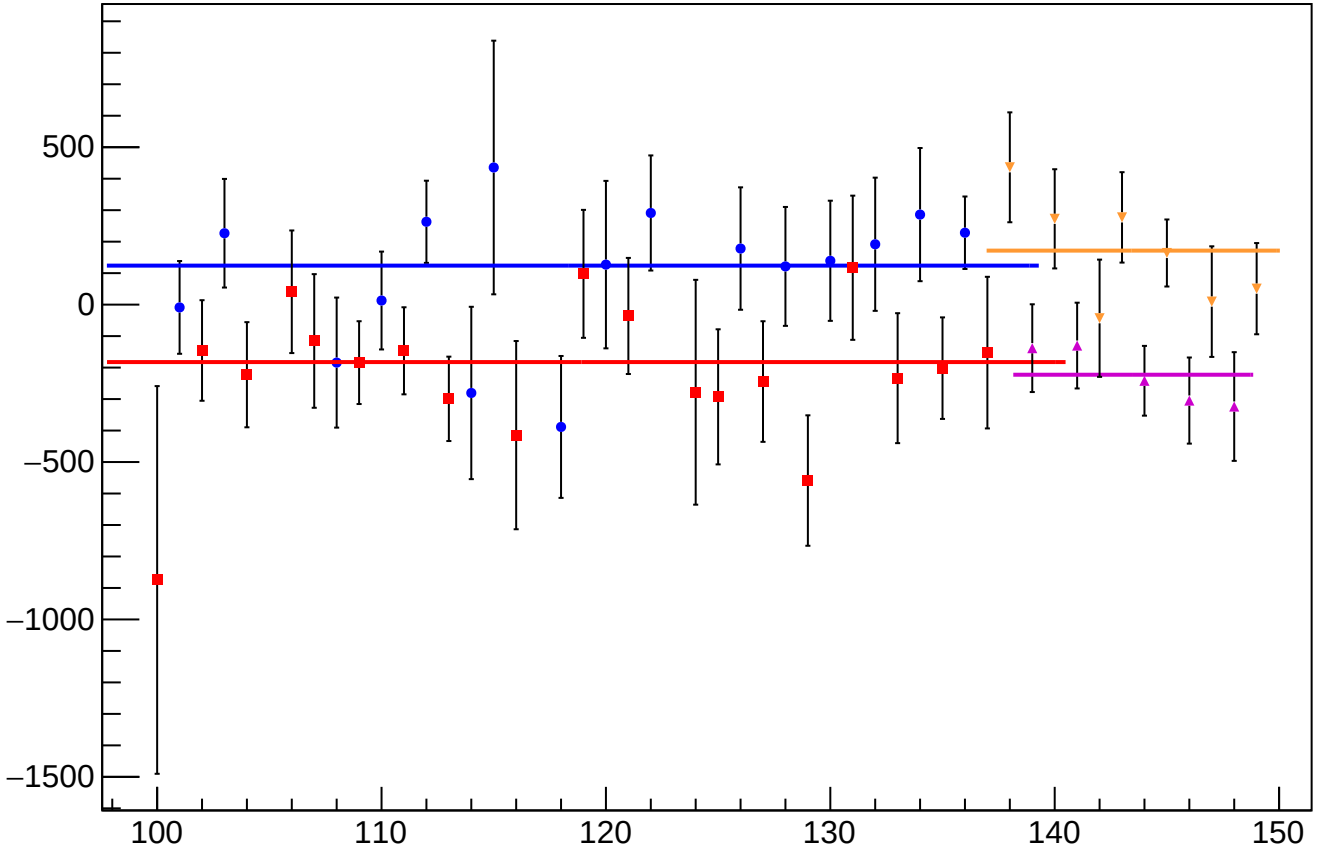
Left In: 919.651+/-0.317 χ^2/NDF:153092.4/4

+ sign 1015.208+/-0.209 χ^2/NDF: 1428641.9/22

All: 1022.199+/-0.151 χ^2/NDF: 2621236.6/46

- 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: 171.569+/-56.013 χ^2/NDF:6.1/6

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

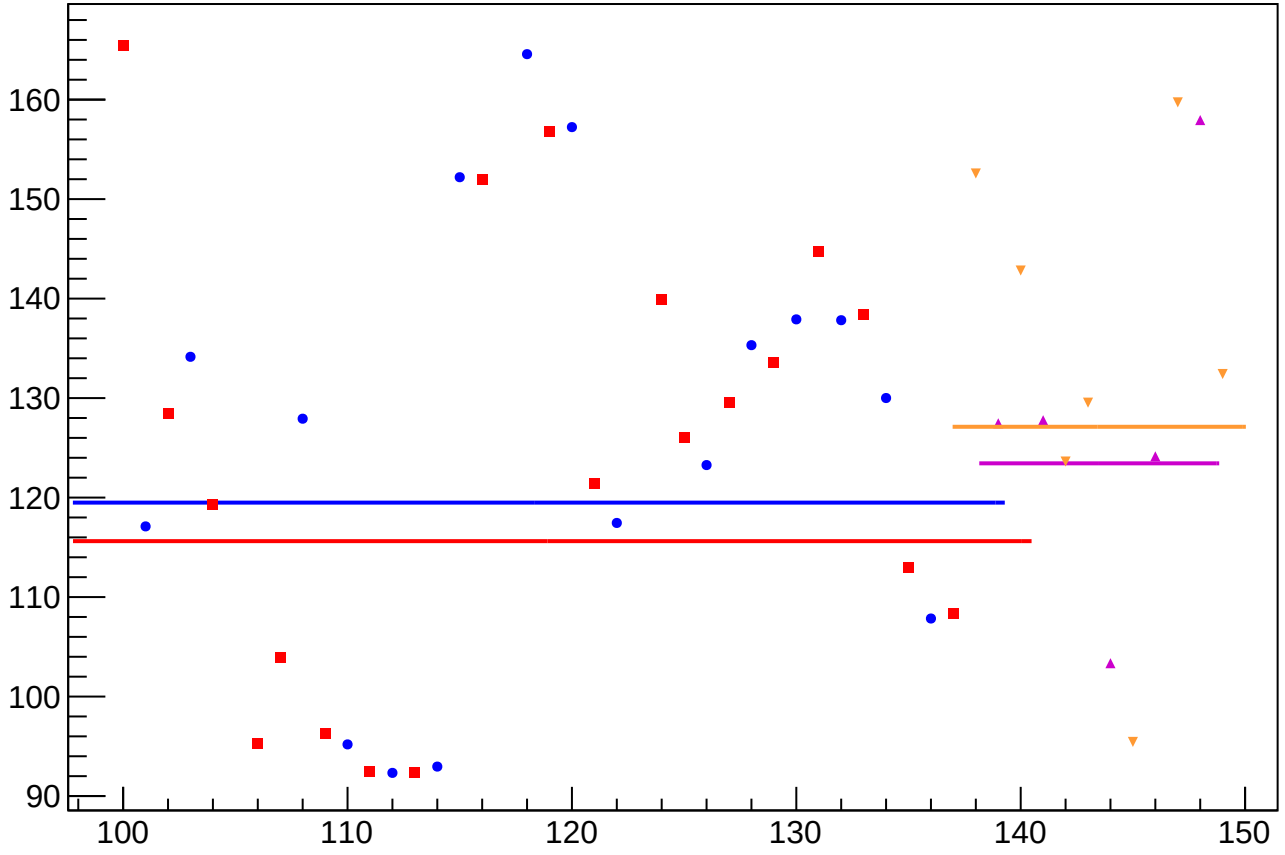
Left In: -222.689+/-60.432 χ^2/NDF:1.6/4

+ sign 142.715+/-35.194 χ^2/NDF: 22.0/22

All: -26.859+/-24.873 χ^2/NDF: 82.5/46

- 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: 127.117+/-0.040 χ^2/NDF:312309.1/6

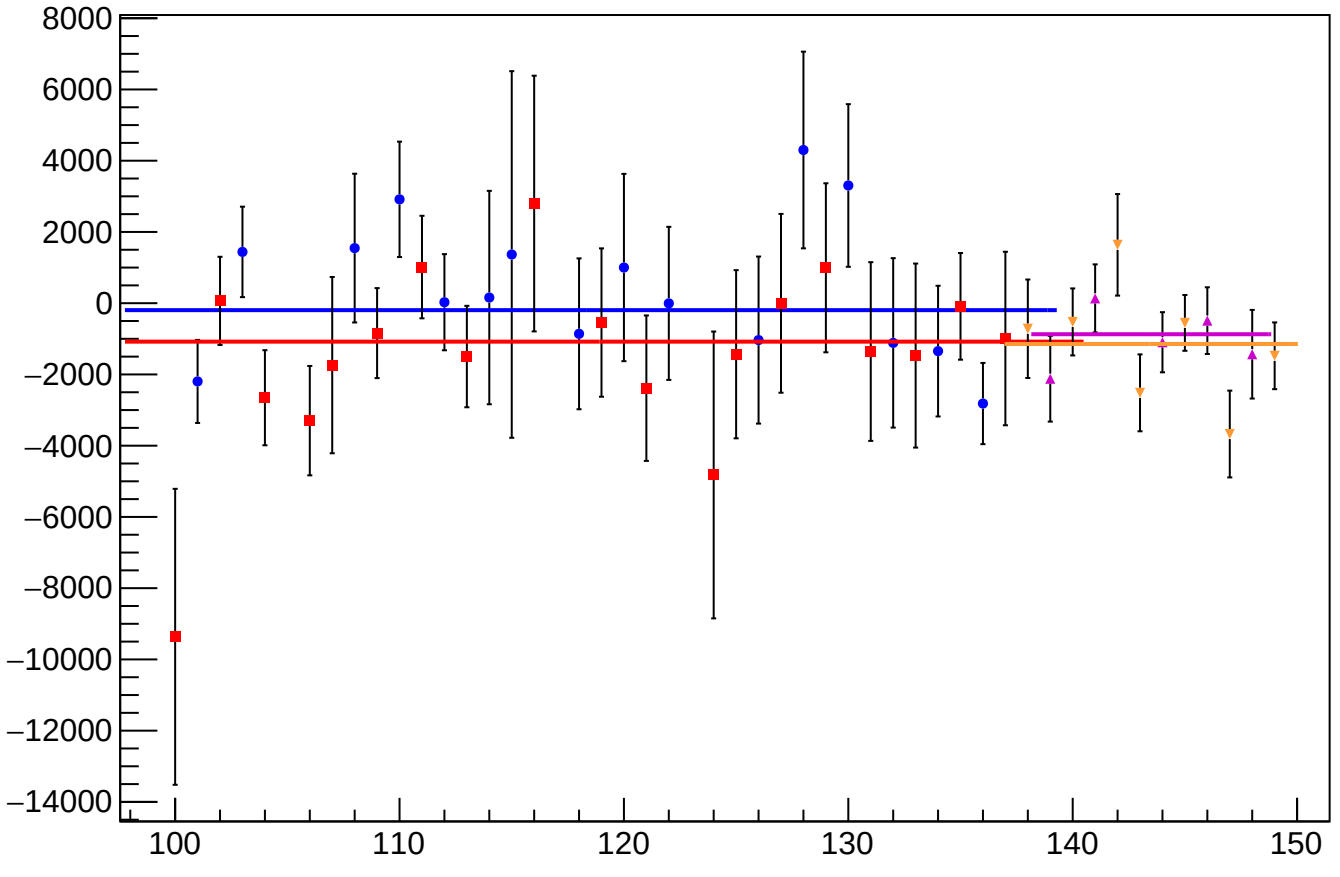
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 123.442+/-0.043 χ^2/NDF:149369.3/4

\+ sign 122.504+/-0.025 χ^2/NDF: 714978.0/22

All: 120.384+/-0.018 χ^2/NDF: 1327967.8/46

\- 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: -1144.970+/-393.802 χ^2/NDF:11.0/6

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

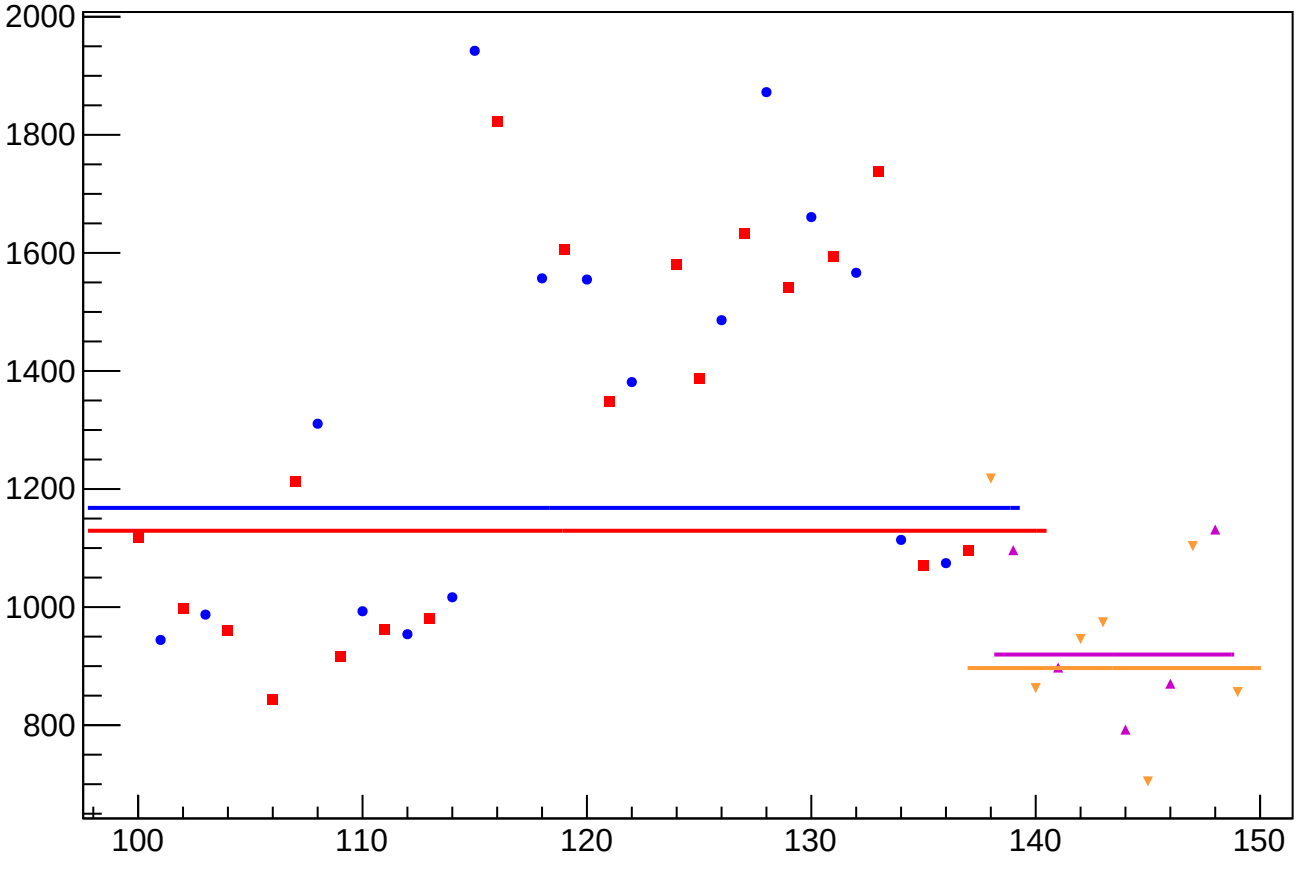
Left In: -871.406+/-448.245 χ^2/NDF:2.6/4

+ sign -730.237+/-295.584 χ^2/NDF: 33.9/22

All: -850.005+/-213.520 χ^2/NDF: 51.6/46

- 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: 896.748+/-0.278 χ^2/NDF:304788.8/6

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

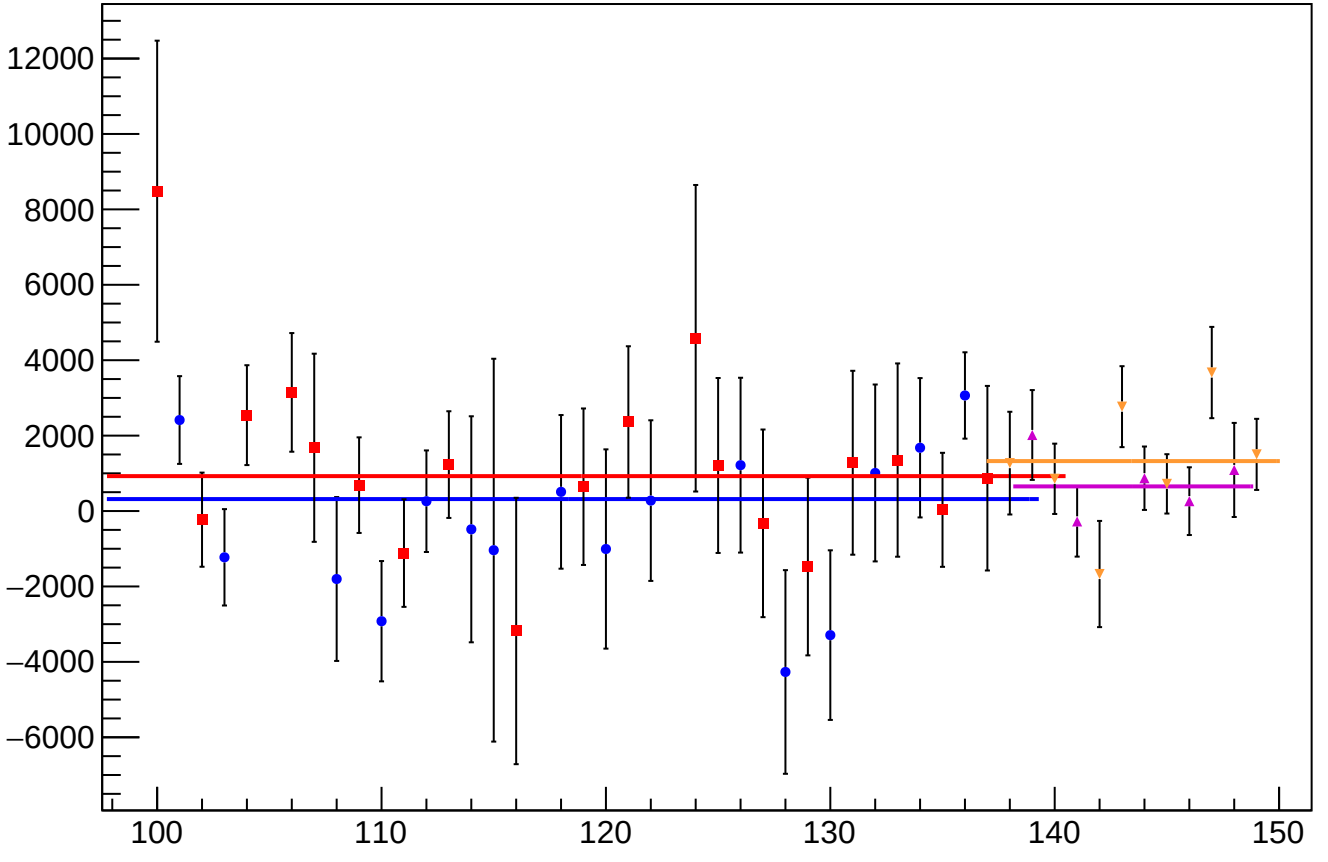
Left In: 919.651+/-0.317 χ^2/NDF:153092.9/4

+ sign 1015.208+/-0.209 χ^2/NDF: 1428649.1/22

All: 1022.199+/-0.151 χ^2/NDF: 2621245.3/46

- 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: 1324.649+/-392.706 χ^2/NDF:11.0/6

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

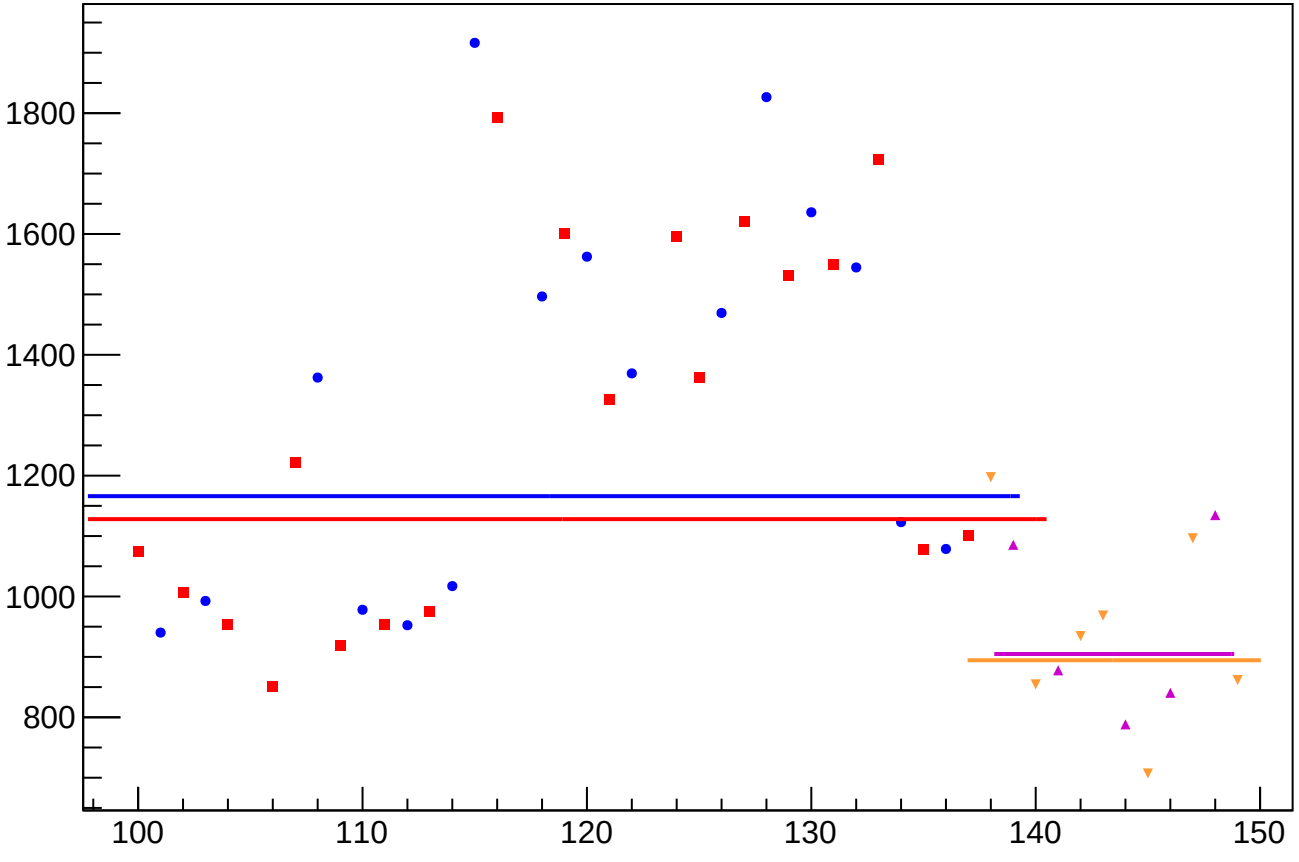
Left In: 653.506+/-440.770 χ^2/NDF:2.7/4

+ sign 885.134+/-294.834 χ^2/NDF: 36.0/22

All: 841.565+/-212.348 χ^2/NDF: 53.5/46

- 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: 894.445+/-0.278 χ^2/NDF:285273.3/6

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

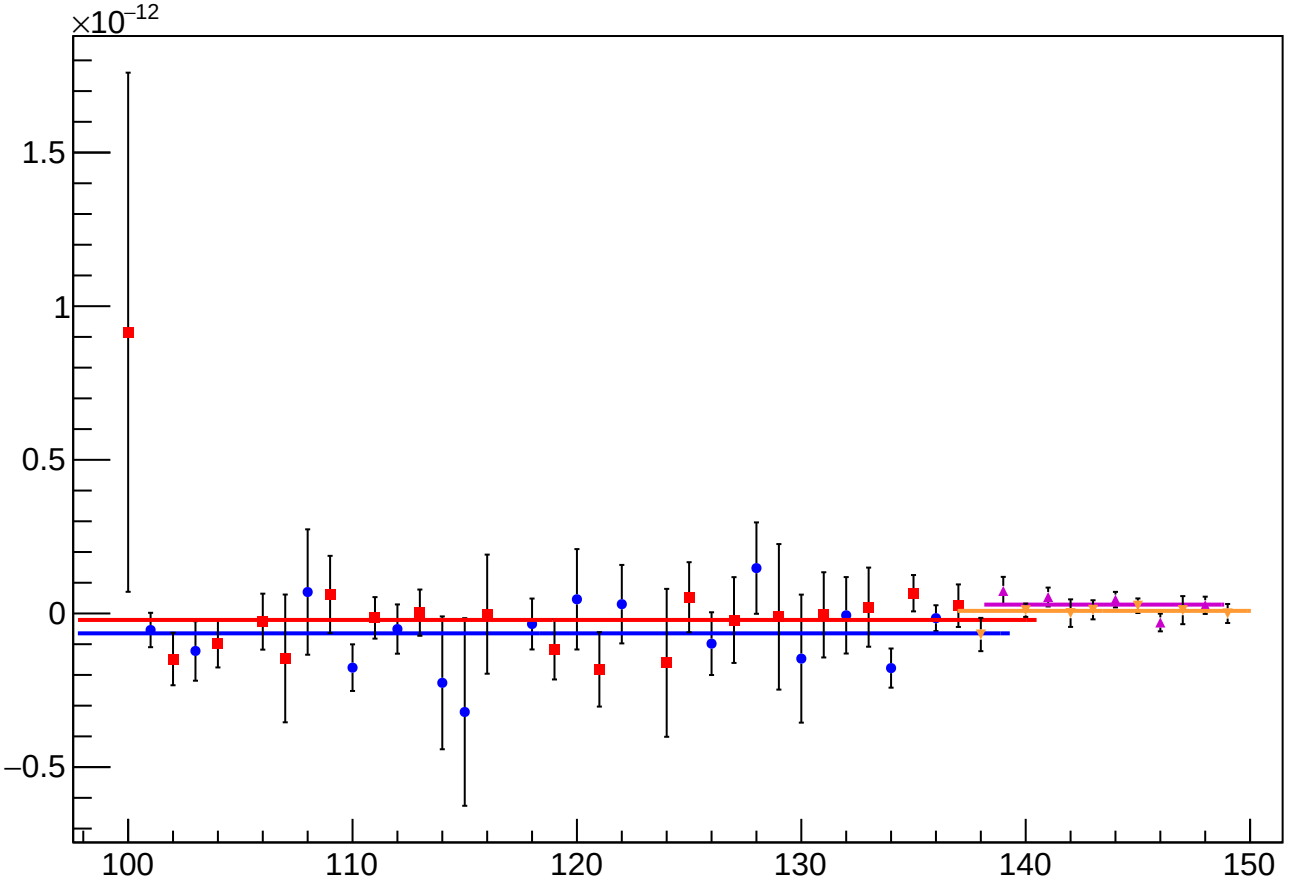
Left In: 904.779+/-0.312 χ^2/NDF:164282.4/4

+ sign 1012.959+/-0.208 χ^2/NDF: 1379795.1/22

All: 1016.517+/-0.150 χ^2/NDF: 2586037.2/46

- 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:2.7/6

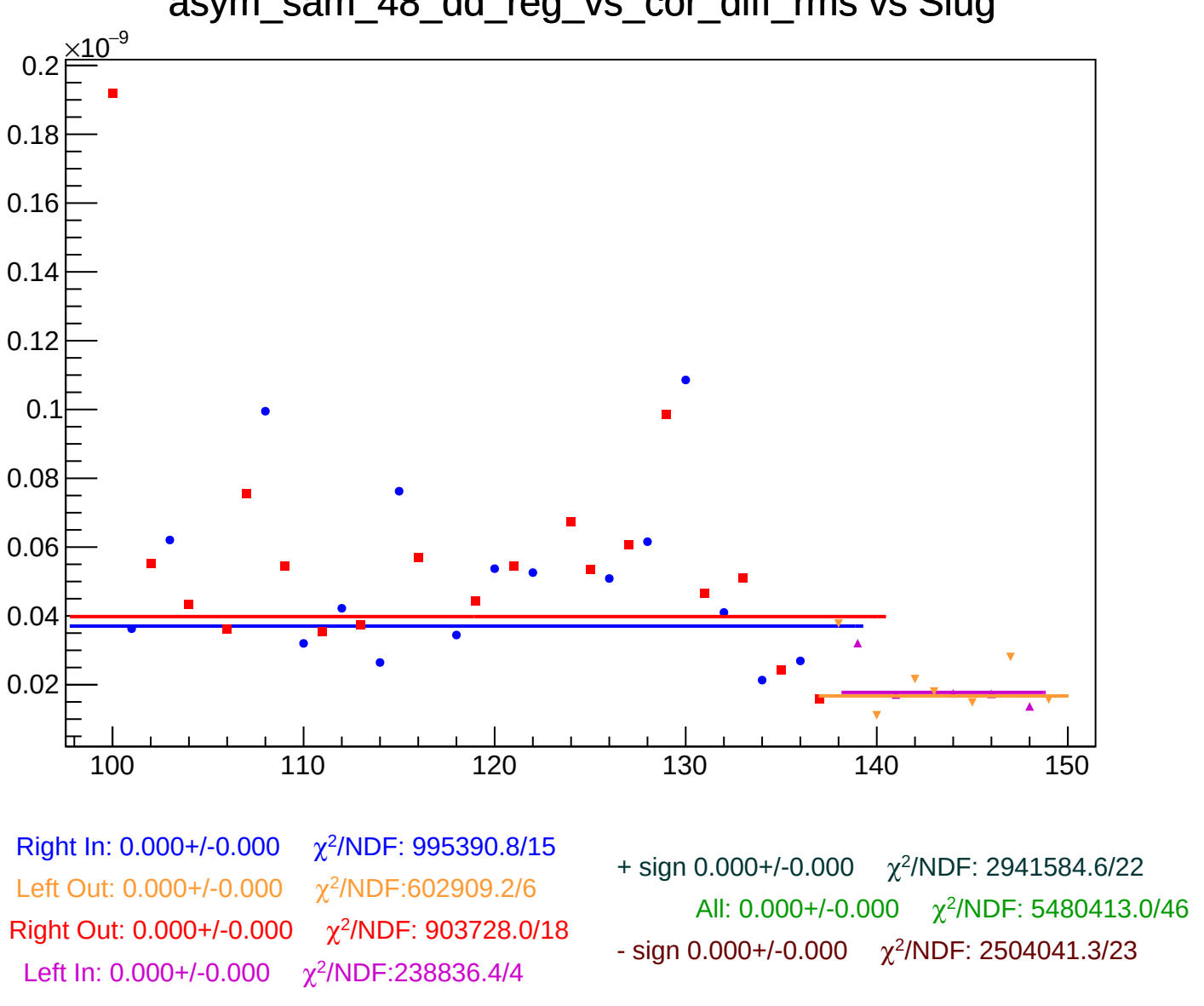
Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/4

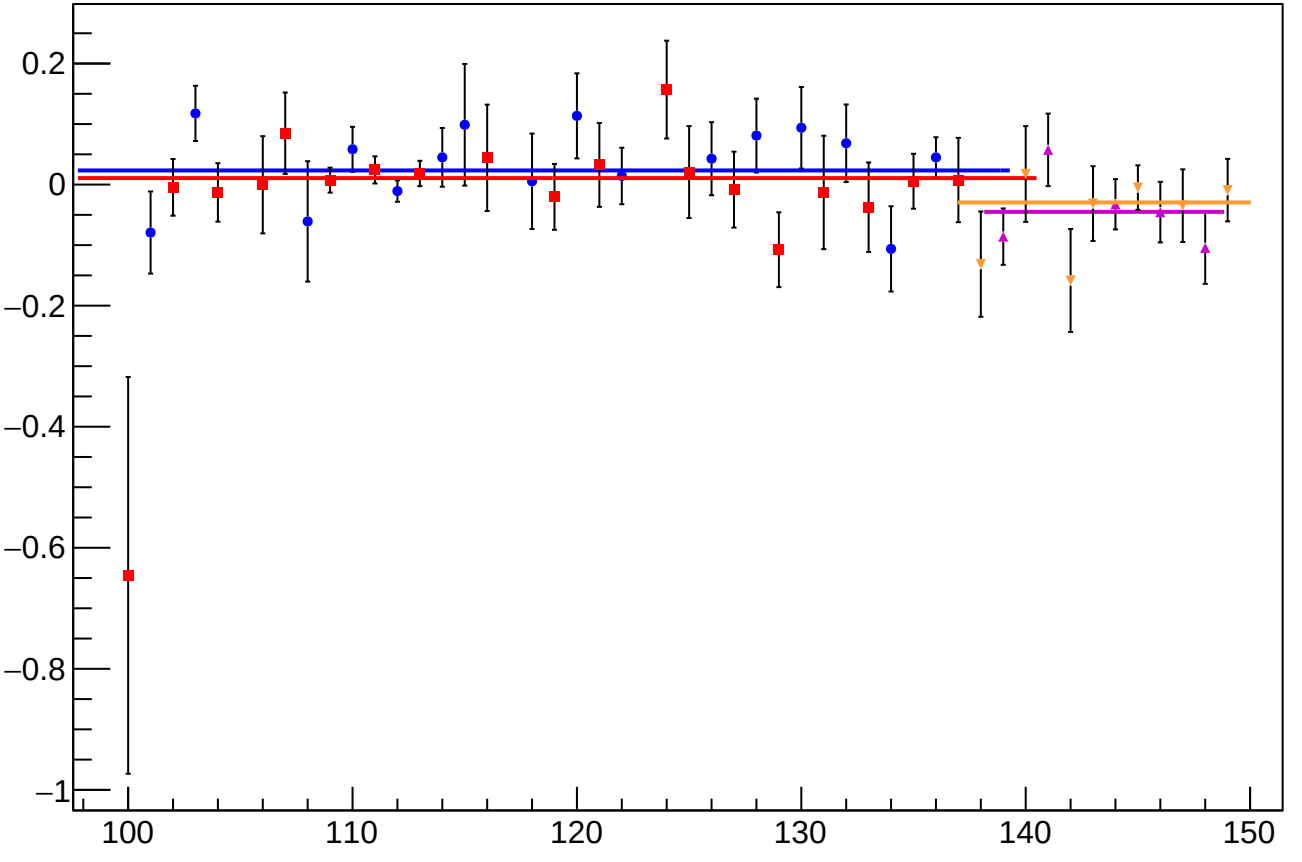
+ sign -0.000+/-0.000 χ^2/NDF: 23.8/22

All: 0.000+/-0.000 χ^2/NDF: 47.3/46

- 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:602909.2/6
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: 2941584.6/22
All: 0.000+/-0.000 χ²/NDF: 5480413.0/46
- 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: -0.029+/-0.022 χ^2/NDF:4.6/6

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

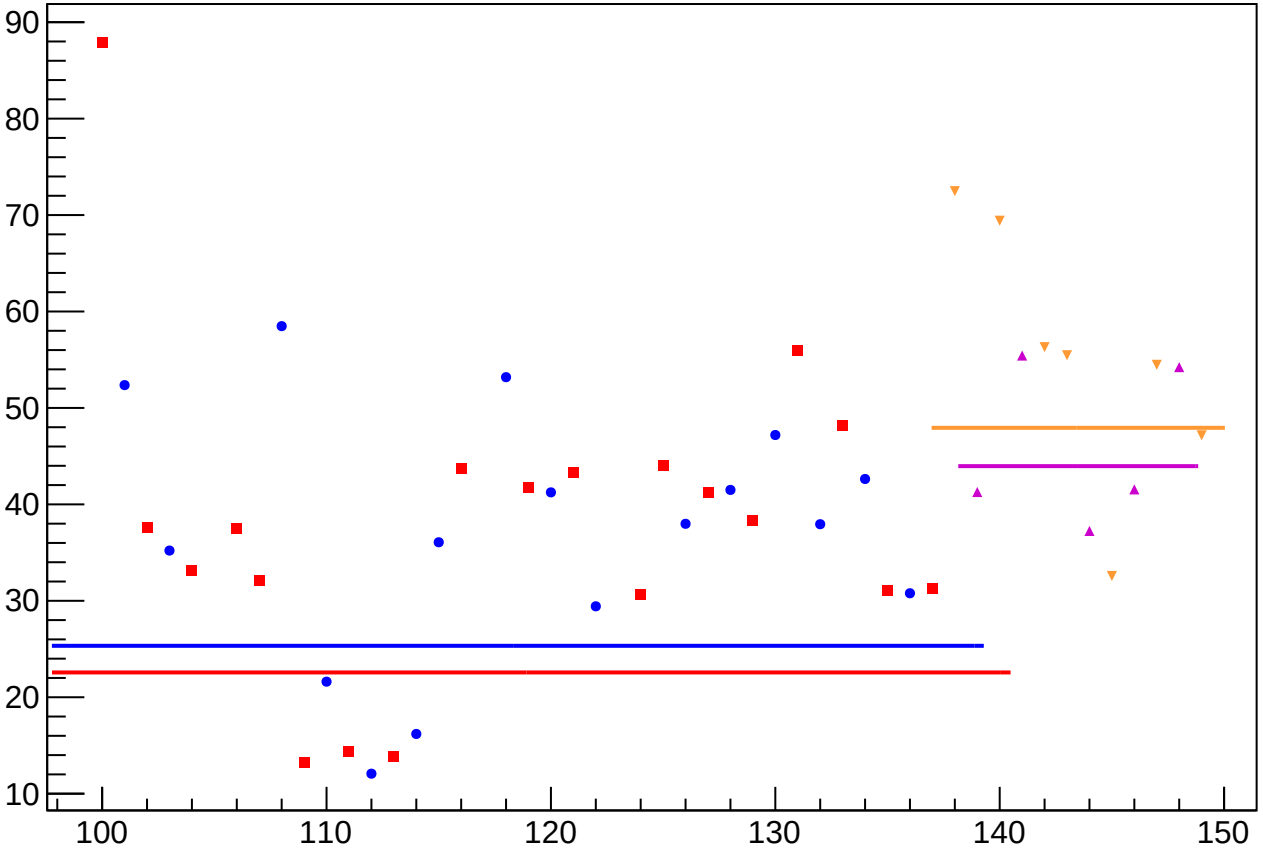
Left In: -0.045+/-0.022 χ^2/NDF:4.8/4

+ sign 0.013+/-0.010 χ^2/NDF: 30.0/22

All: 0.007+/-0.007 χ^2/NDF: 54.9/46

- 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: 47.939+/-0.015 χ^2/NDF:727374.6/6

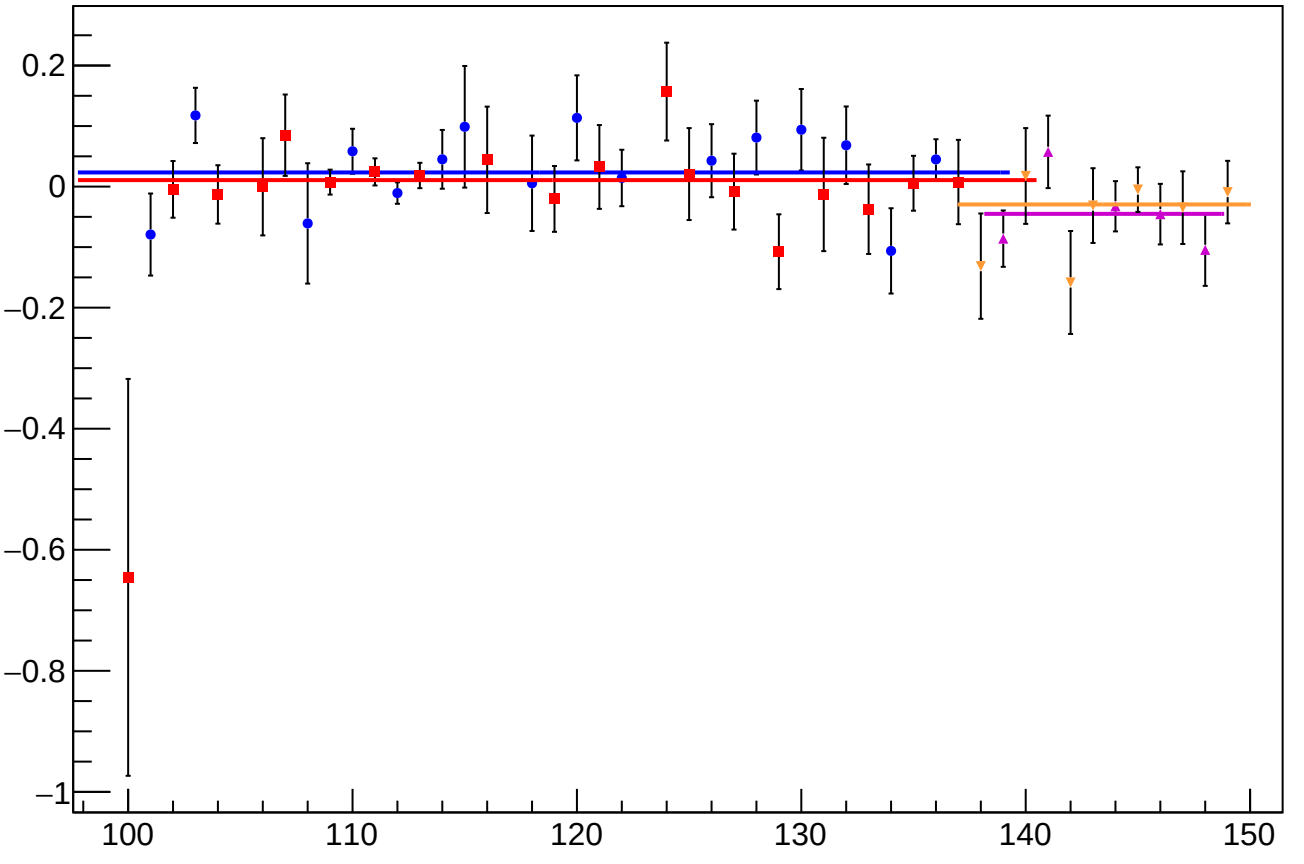
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 43.964+/-0.016 χ^2/NDF:196487.2/4

+ sign 29.928+/-0.007 χ^2/NDF: 5347901.7/22

All: 27.788+/-0.005 χ^2/NDF: 10392030.0/46

- 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: -0.029+/-0.022 χ^2/NDF:4.6/6

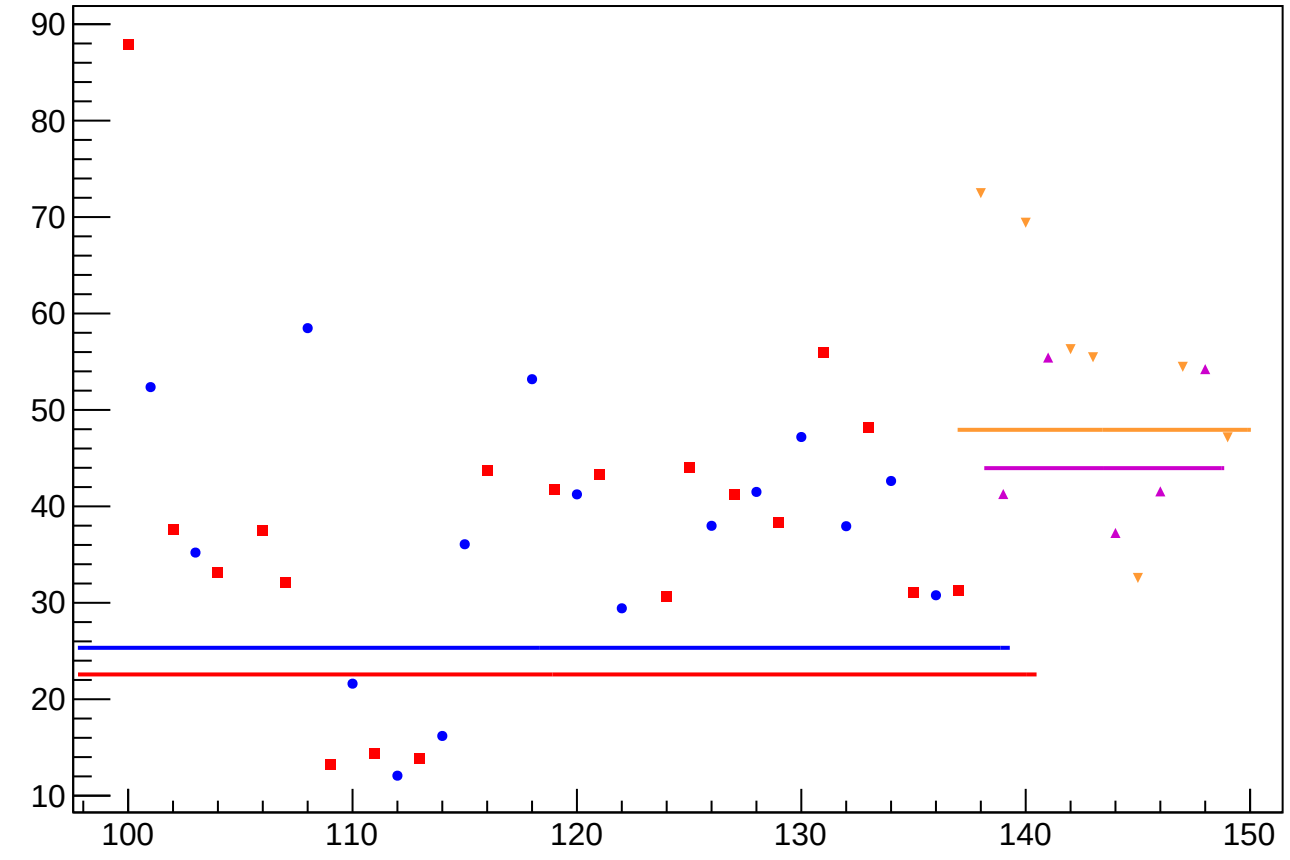
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.045+/-0.022 χ^2/NDF:4.8/4

+ sign 0.013+/-0.010 χ^2/NDF: 30.0/22

All: 0.007+/-0.007 χ^2/NDF: 54.9/46

- sign 0.002+/-0.009 χ^2/NDF: 24.2/23



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.939+/-0.015 χ^2/NDF:727374.6/6

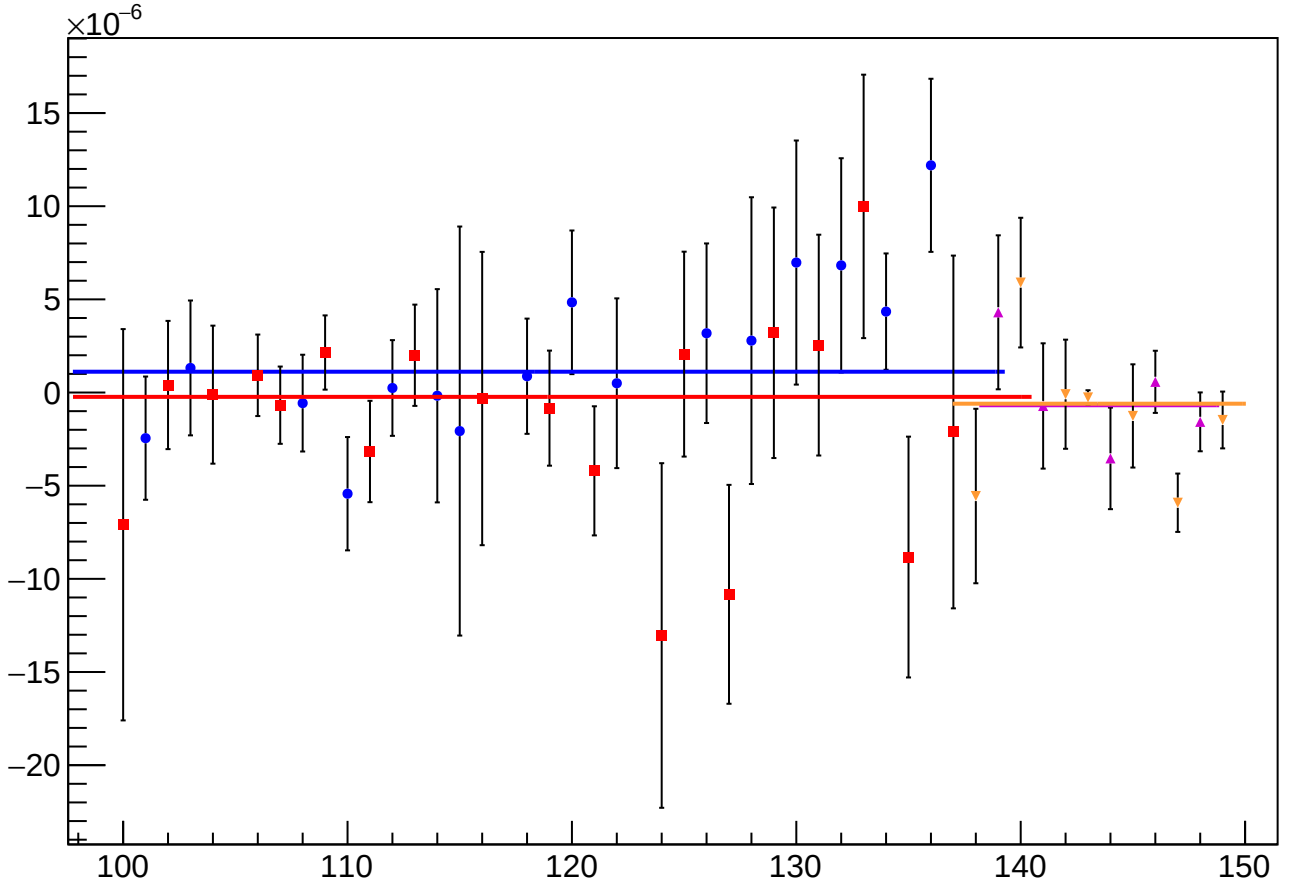
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 43.964+/-0.016 χ^2/NDF:196487.2/4

+ sign 29.928+/-0.007 χ^2/NDF: 5347901.7/22

All: 27.788+/-0.005 χ^2/NDF: 10392030.0/46

- 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:17.3/6

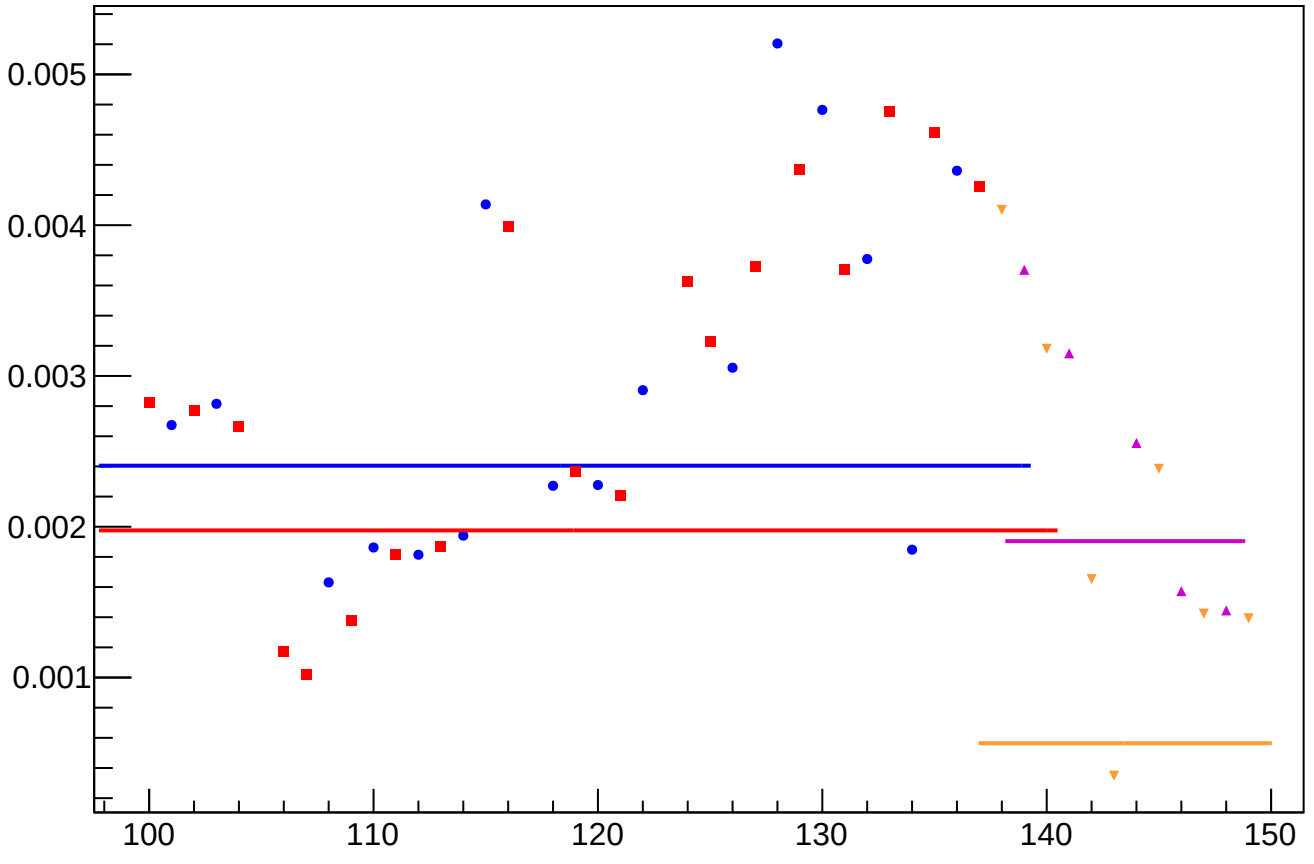
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 36.4/22

All: -0.000+/-0.000 χ^2/NDF: 55.1/46

- 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:5228662.4/6

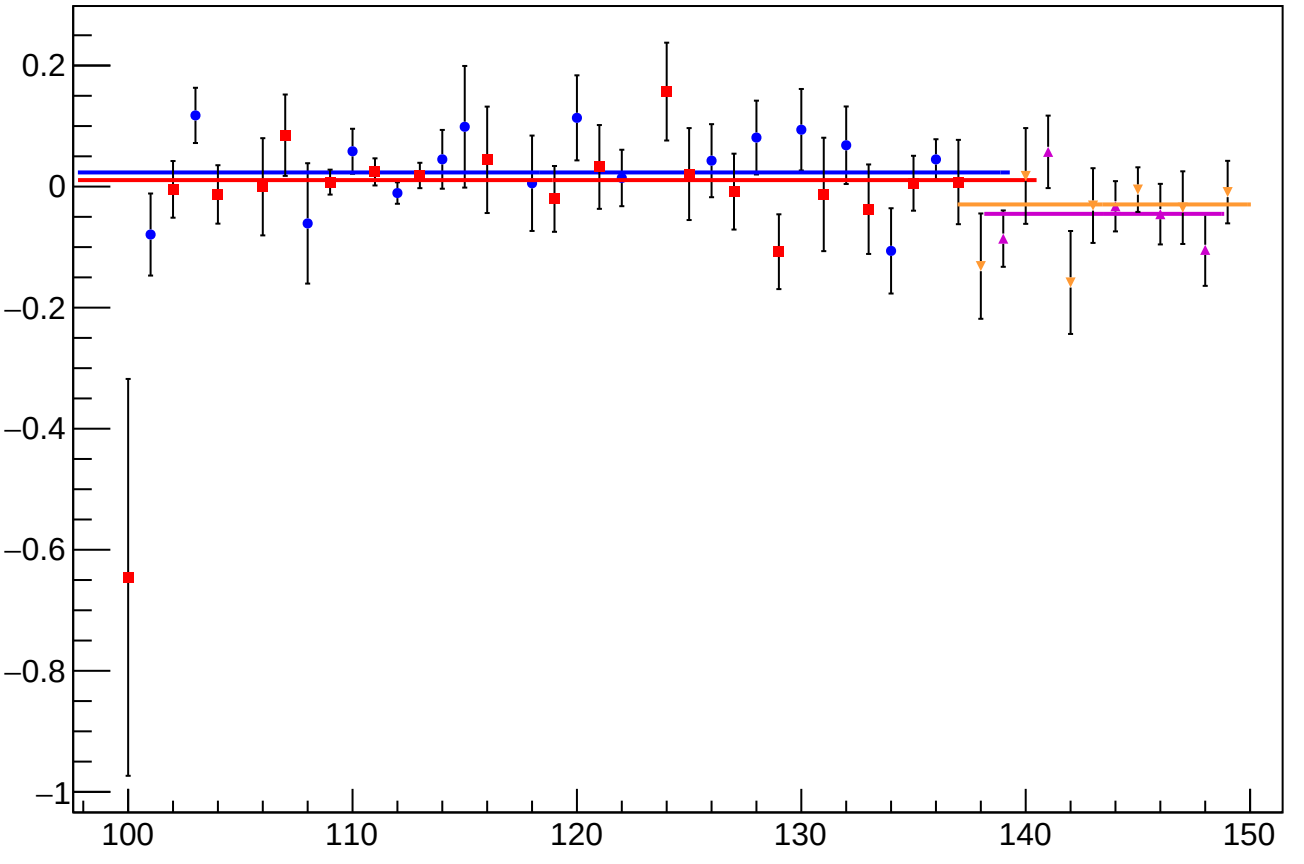
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1015794.8/4

+ sign 0.001+/-0.000 χ^2/NDF: 13329989.2/22

All: 0.001+/-0.000 χ^2/NDF: 22473286.0/46

- 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: -0.029+/-0.022 χ^2/NDF:4.6/6

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

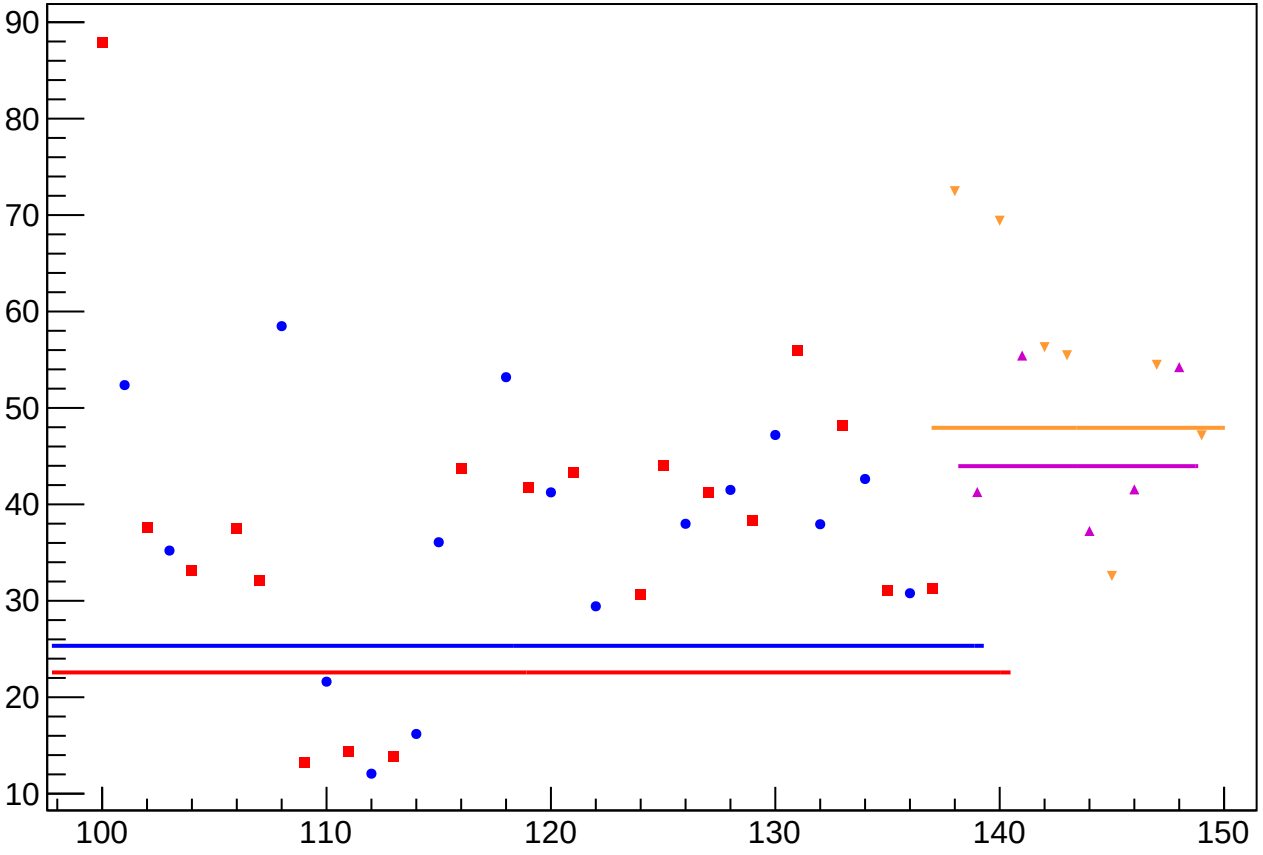
Left In: -0.045+/-0.022 χ^2/NDF:4.8/4

+ sign 0.013+/-0.010 χ^2/NDF: 30.0/22

All: 0.007+/-0.007 χ^2/NDF: 54.9/46

- sign 0.002+/-0.009 χ^2/NDF: 24.2/23

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.939+/-0.015 χ^2/NDF:727343.8/6

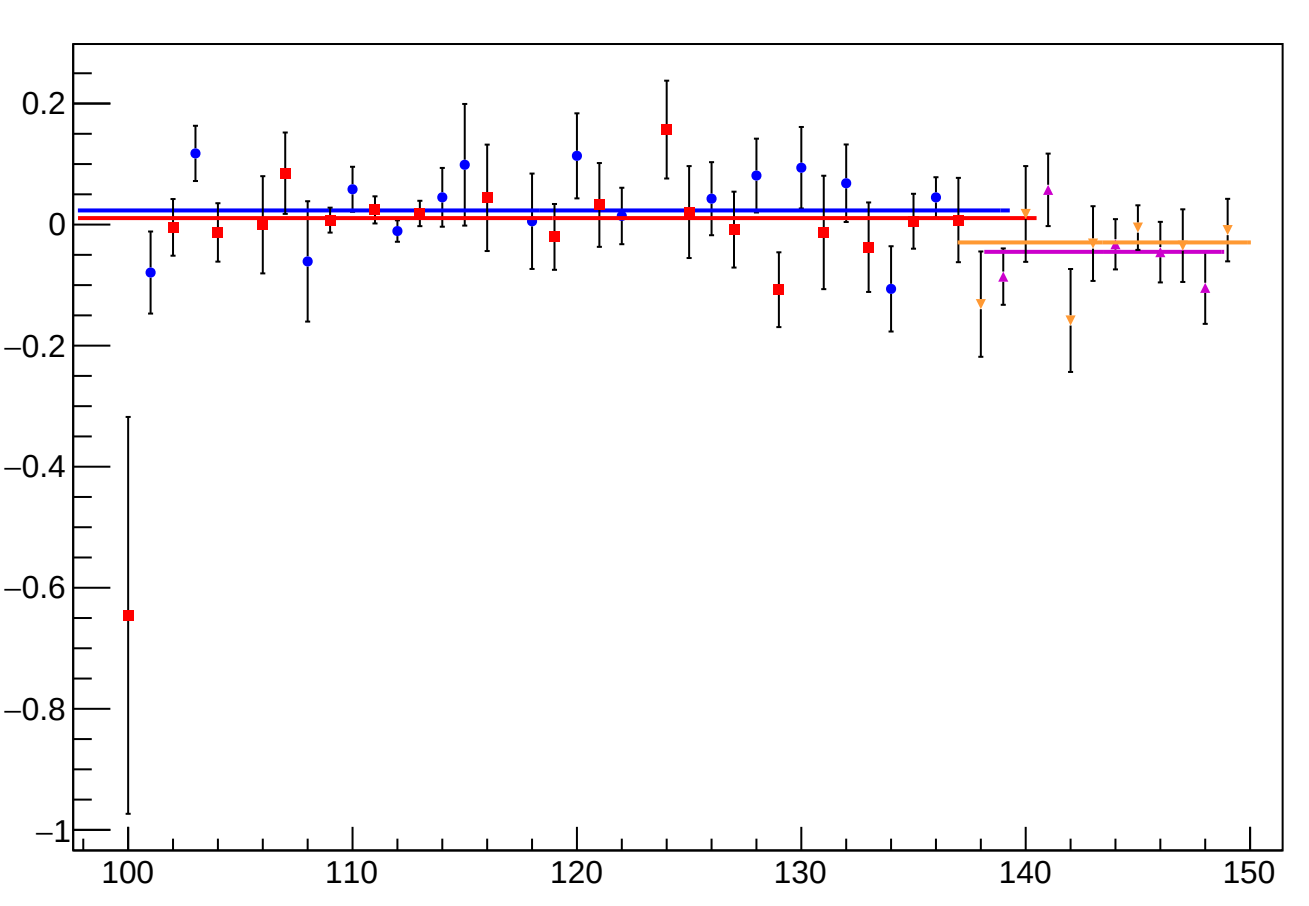
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 43.965+/-0.016 χ^2/NDF:196477.6/4

+ sign 29.927+/-0.007 χ^2/NDF: 5348541.9/22

All: 27.787+/-0.005 χ^2/NDF: 10392812.8/46

- 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: -0.029+/-0.022 χ^2/NDF:4.6/6

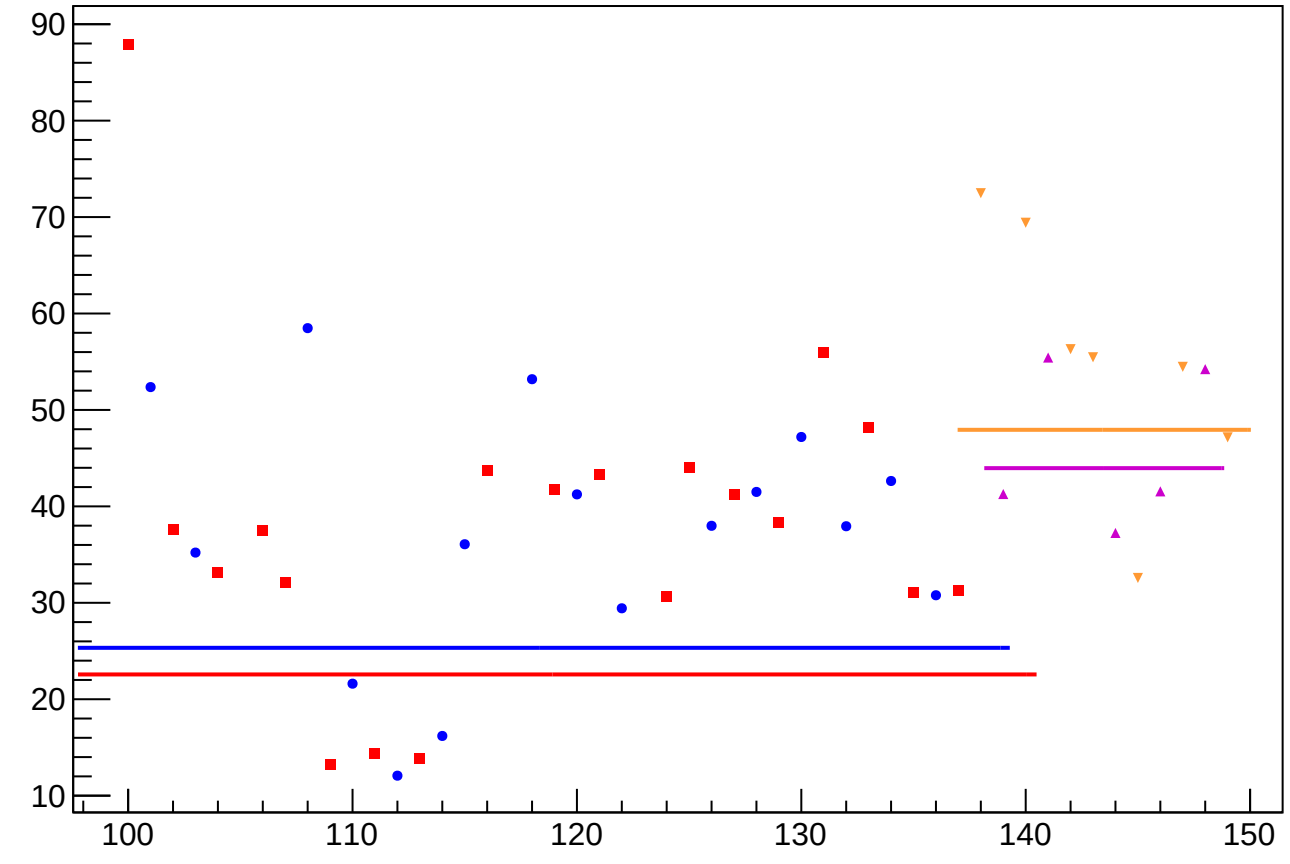
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.045+/-0.022 χ^2/NDF:4.8/4

+ sign 0.013+/-0.010 χ^2/NDF: 30.0/22

All: 0.007+/-0.007 χ^2/NDF: 54.9/46

- 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: 47.939+/-0.015 χ^2/NDF:727343.8/6

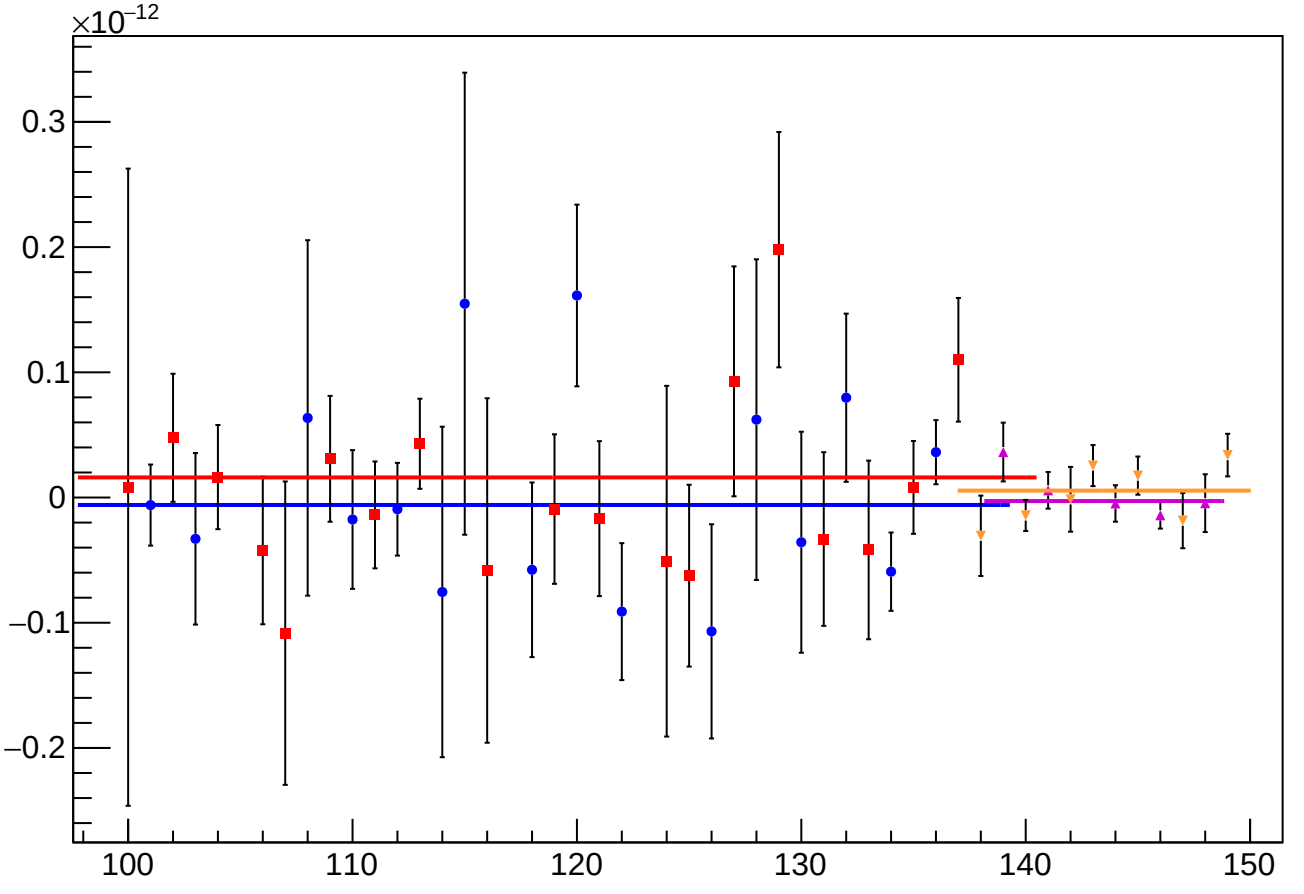
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 43.965+/-0.016 χ^2/NDF:196477.6/4

+ sign 29.927+/-0.007 χ^2/NDF: 5348541.9/22

All: 27.787+/-0.005 χ^2/NDF: 10392812.8/46

- 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:10.0/6

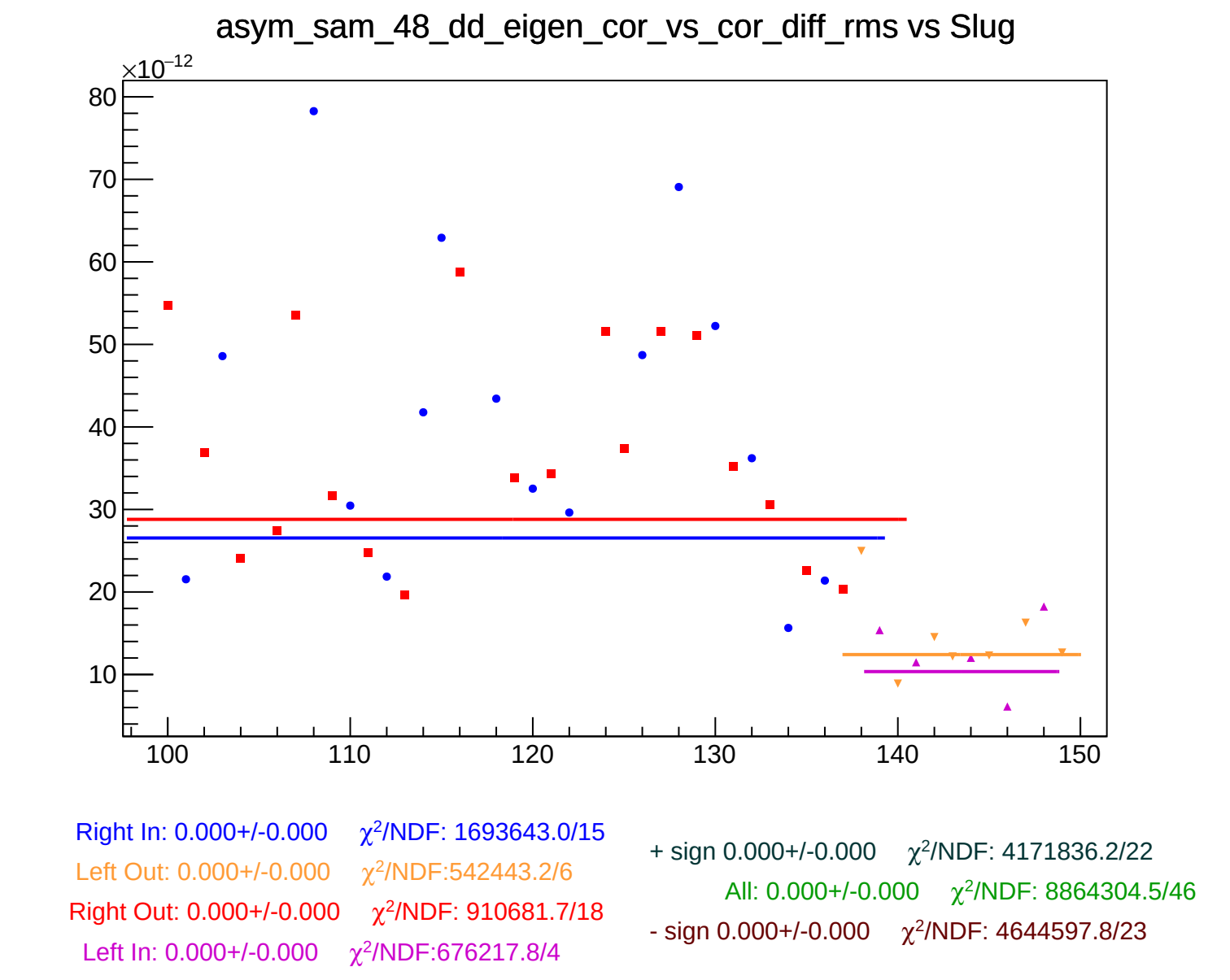
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/4

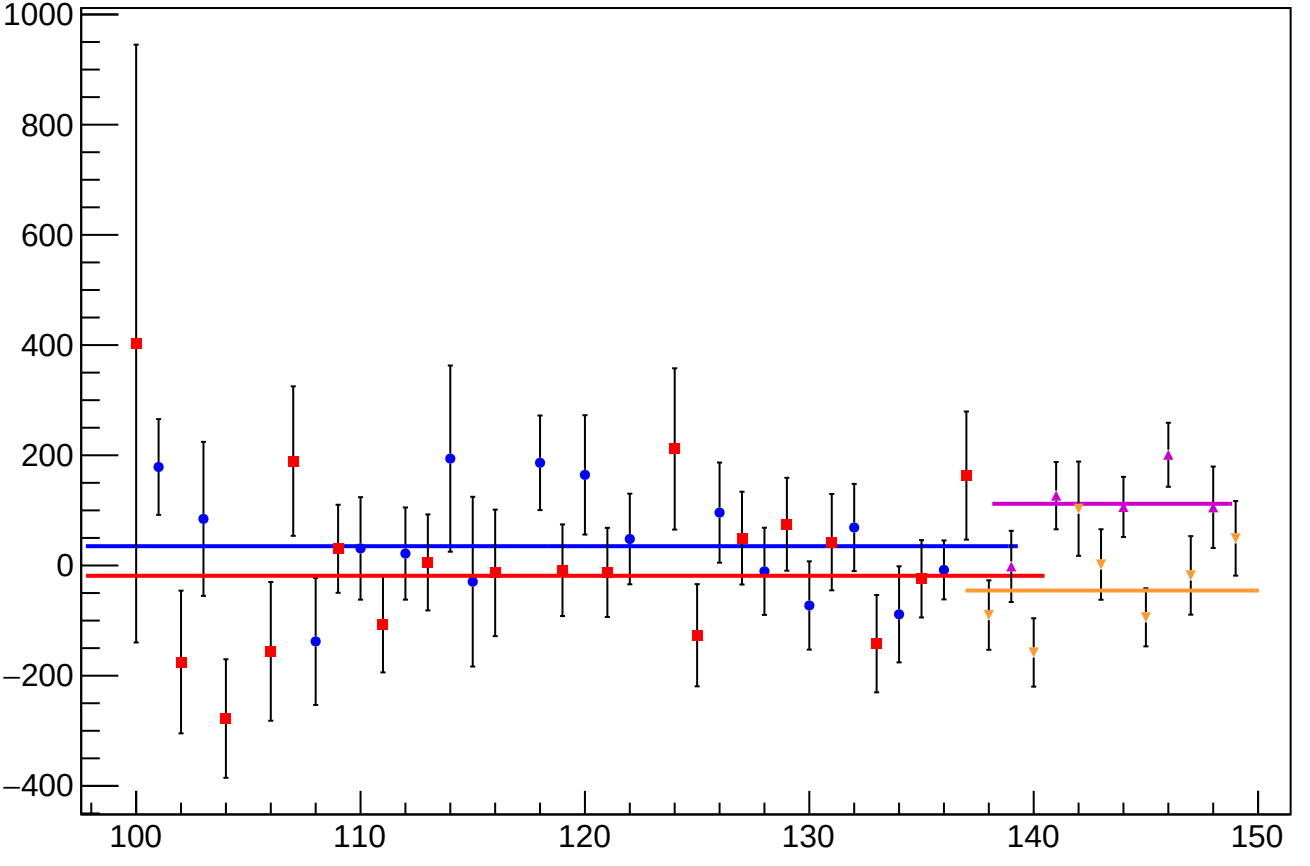
+ sign 0.000+/-0.000 χ^2/NDF: 29.4/22

All: 0.000+/-0.000 χ^2/NDF: 50.3/46

- 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:542443.2/6
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: 4171836.2/22
All: 0.000+/-0.000 χ²/NDF: 8864304.5/46
- 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: -45.407+/-24.487 χ^2/NDF:10.3/6

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

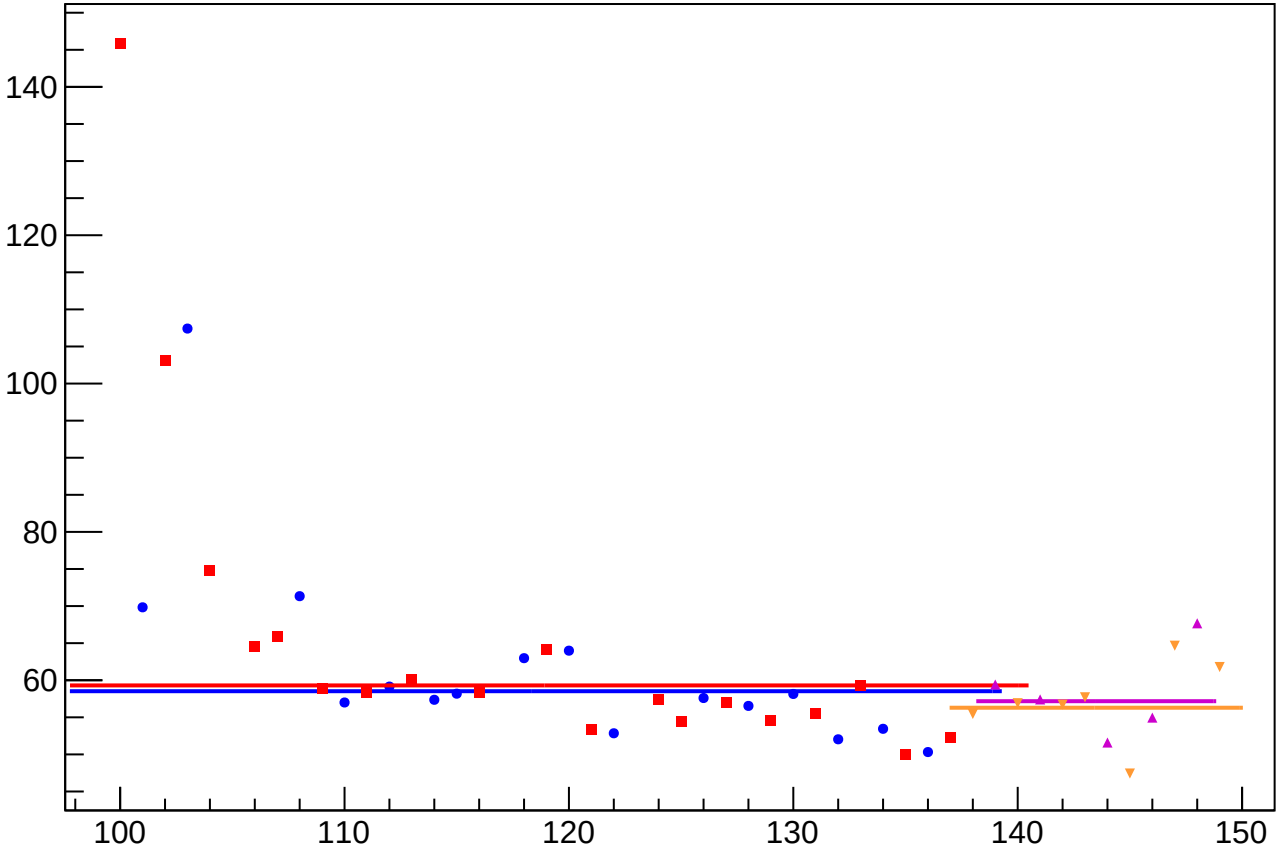
Left In: 111.993+/-27.506 χ^2/NDF:5.5/4

+ sign -1.146+/-16.420 χ^2/NDF: 32.4/22

All: 14.938+/-11.892 χ^2/NDF: 77.2/46

- 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: 56.294+/-0.017 χ^2/NDF:98920.2/6

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

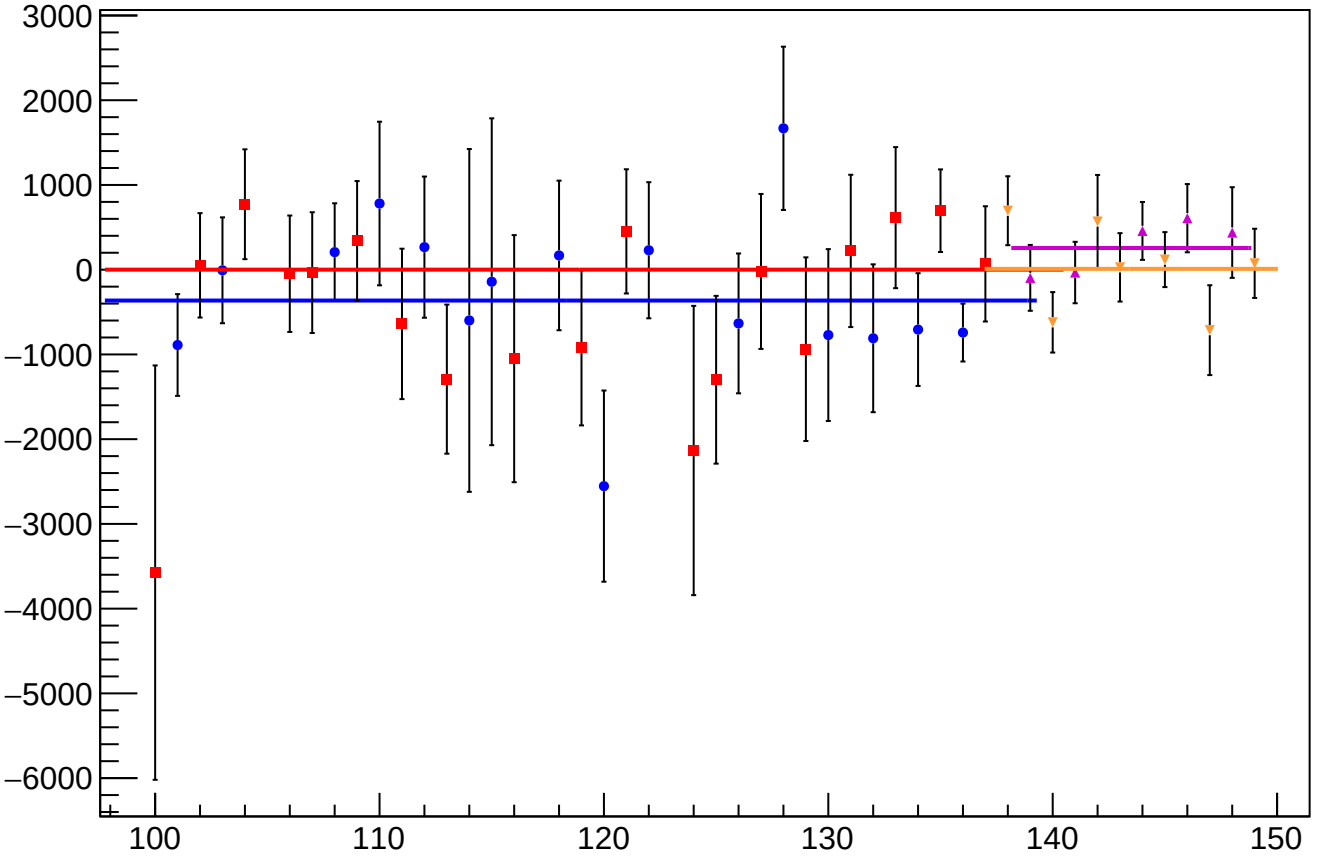
Left In: 57.175+/-0.019 χ^2/NDF:66540.0/4

+ sign 57.520+/-0.012 χ^2/NDF: 500775.4/22

All: 57.969+/-0.008 χ^2/NDF: 984334.7/46

- 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: 9.922+/-153.559 χ^2/NDF:9.0/6

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

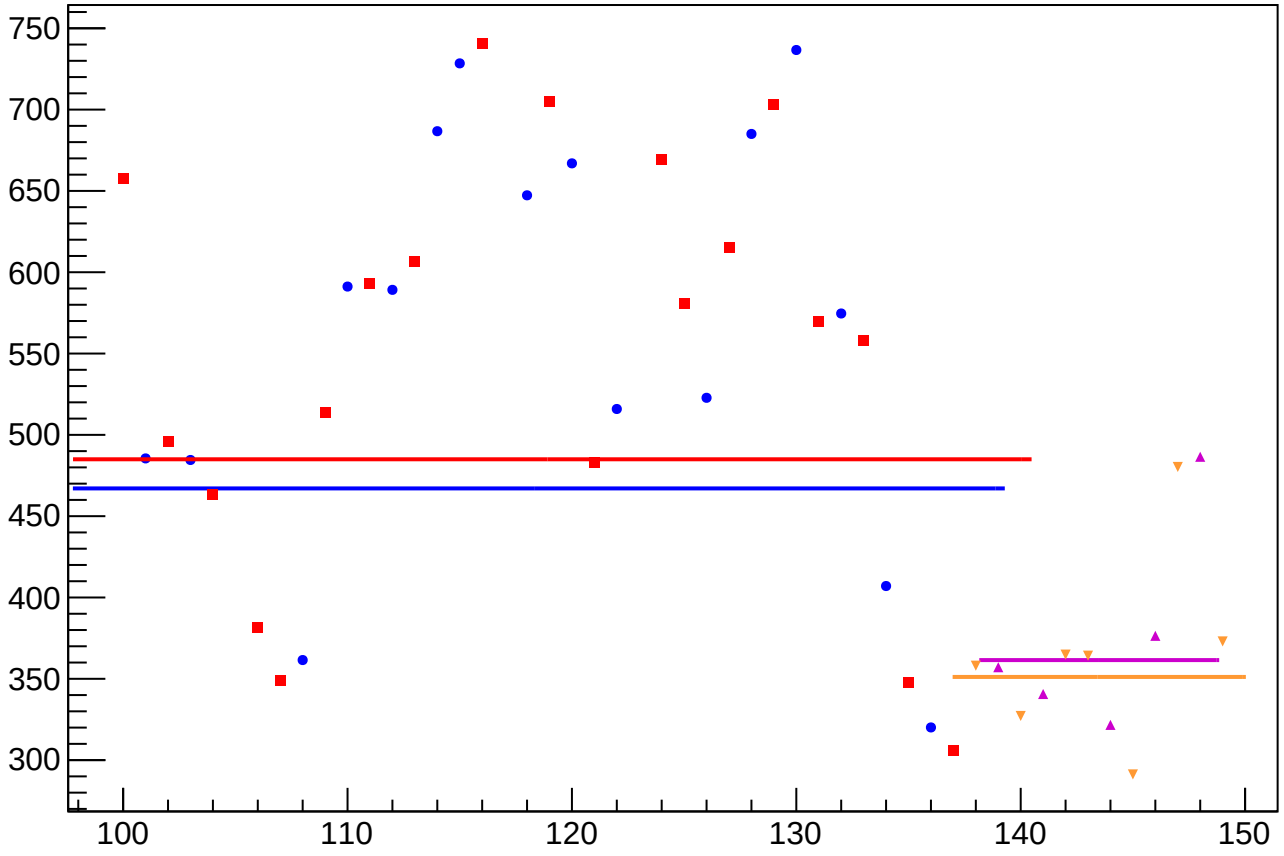
Left In: 255.951+/-175.524 χ^2/NDF:2.7/4

+ sign -147.008+/-116.987 χ^2/NDF: 26.7/22

All: -17.854+/-85.952 χ^2/NDF: 48.2/46

- 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: 351.149+/-0.109 χ^2/NDF:205637.9/6

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

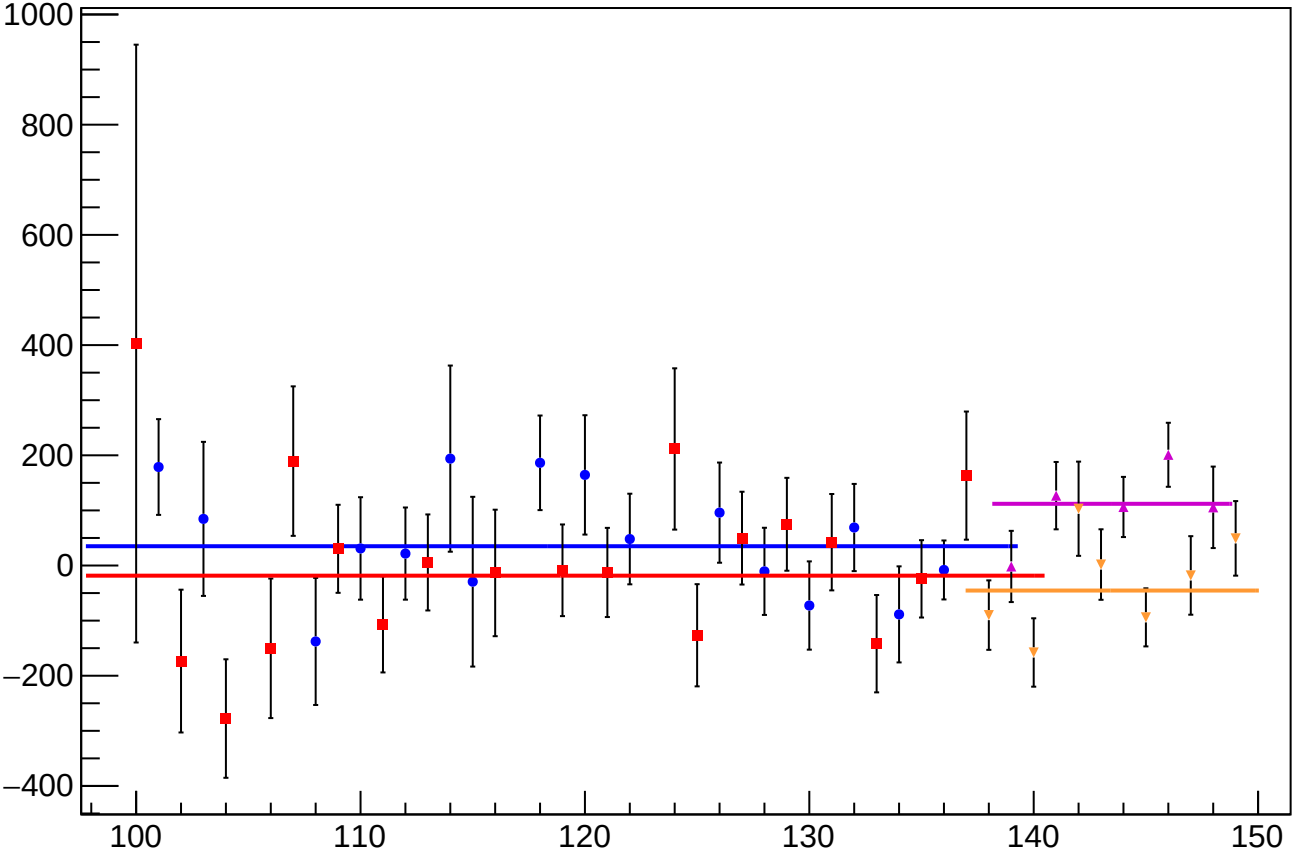
Left In: 361.508+/-0.124 χ^2/NDF:146005.8/4

+ sign 399.789+/-0.083 χ^2/NDF: 1714135.9/22

All: 409.385+/-0.061 χ^2/NDF: 3237485.1/46

- 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: -45.408+/-24.487 χ^2/NDF:10.3/6

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

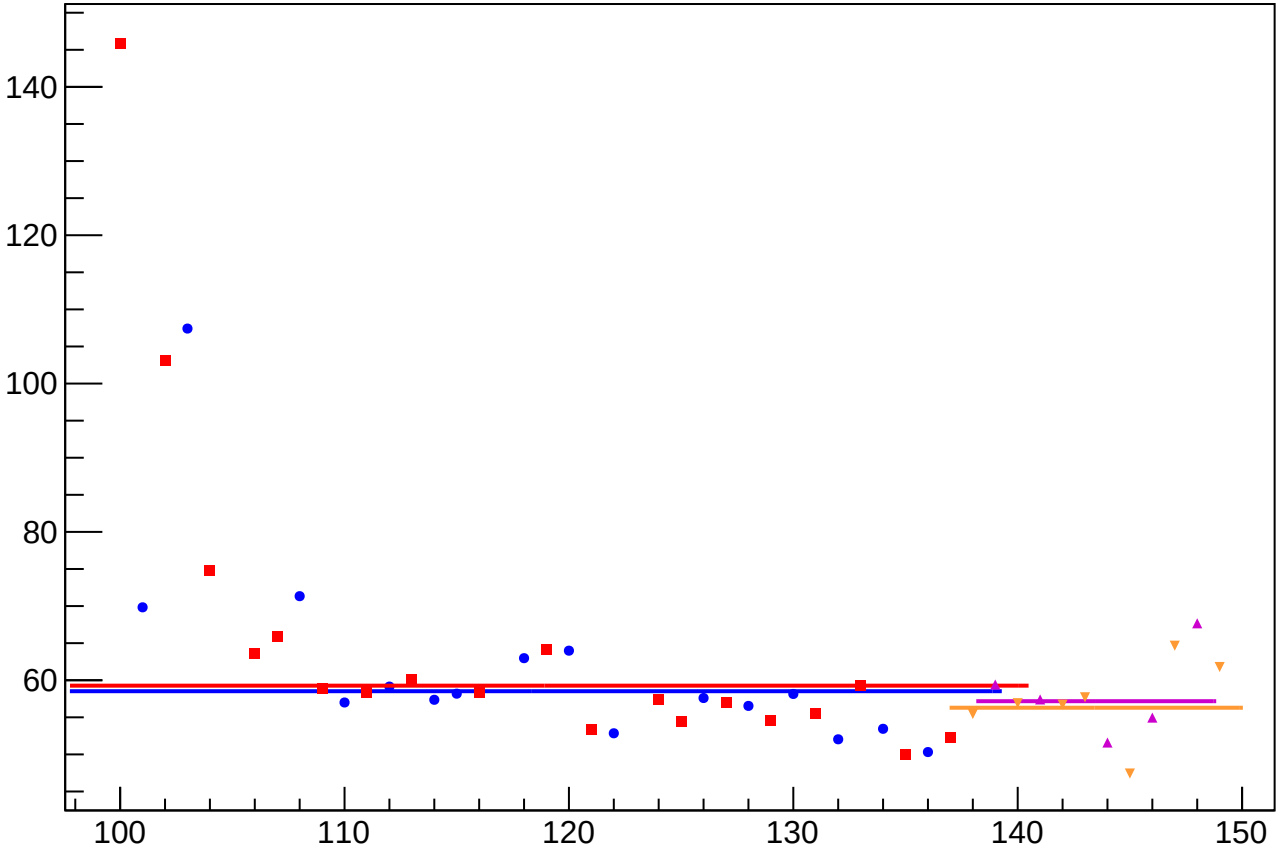
Left In: 111.993+/-27.506 χ^2/NDF:5.5/4

+ sign -1.147+/-16.420 χ^2/NDF: 32.4/22

All: 15.020+/-11.893 χ^2/NDF: 77.0/46

- 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: 56.294+/-0.017 χ^2/NDF:98920.2/6

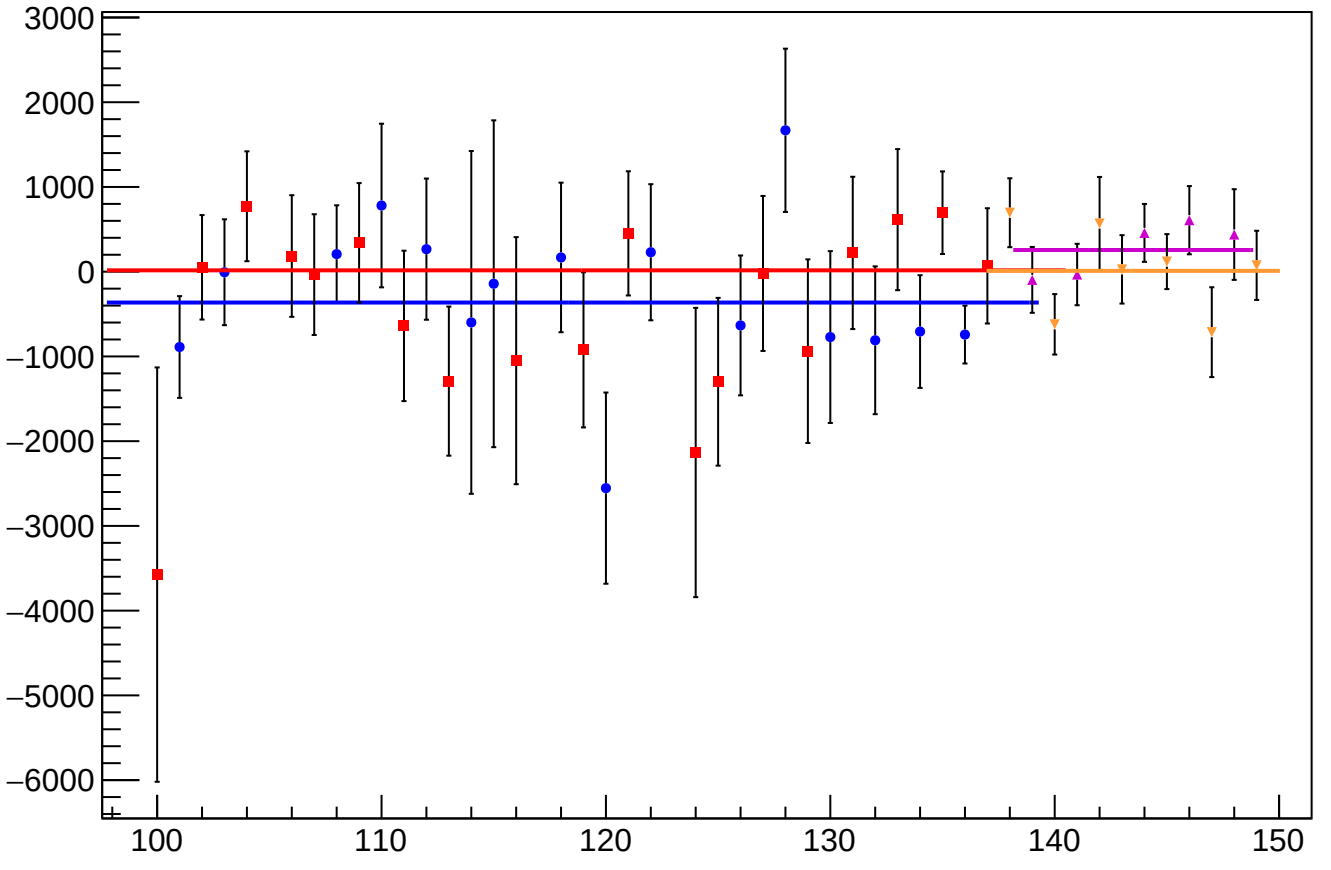
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.175+/-0.019 χ^2/NDF:66540.0/4

+ sign 57.520+/-0.012 χ^2/NDF: 500777.5/22

All: 57.960+/-0.008 χ^2/NDF: 982996.0/46

- 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: 9.918+/-153.559 χ^2/NDF:9.0/6

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

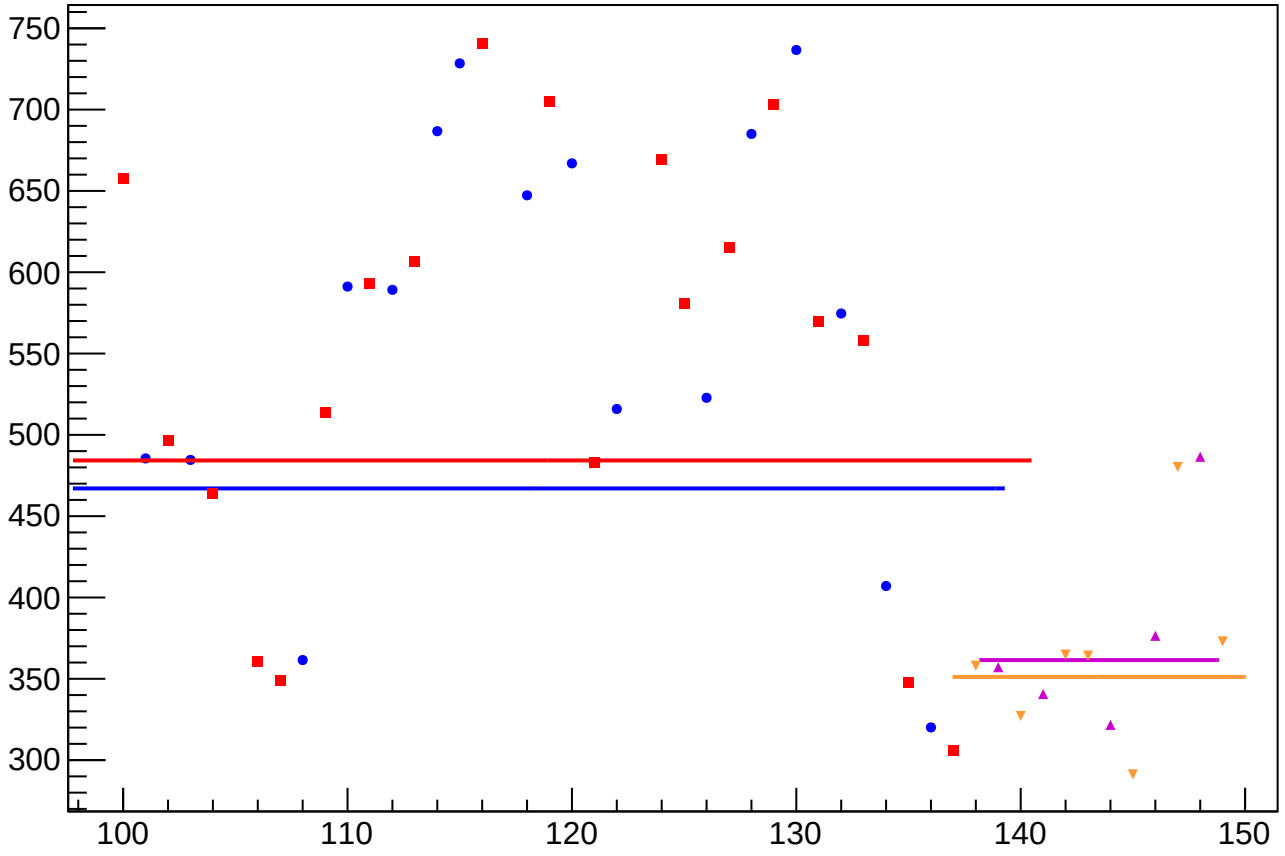
Left In: 255.948+/-175.524 χ^2/NDF:2.7/4

+ sign -146.994+/-116.987 χ^2/NDF: 26.7/22

All: -14.469+/-86.011 χ^2/NDF: 48.2/46

- 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: 351.149+/-0.109 χ^2/NDF:205638.6/6

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

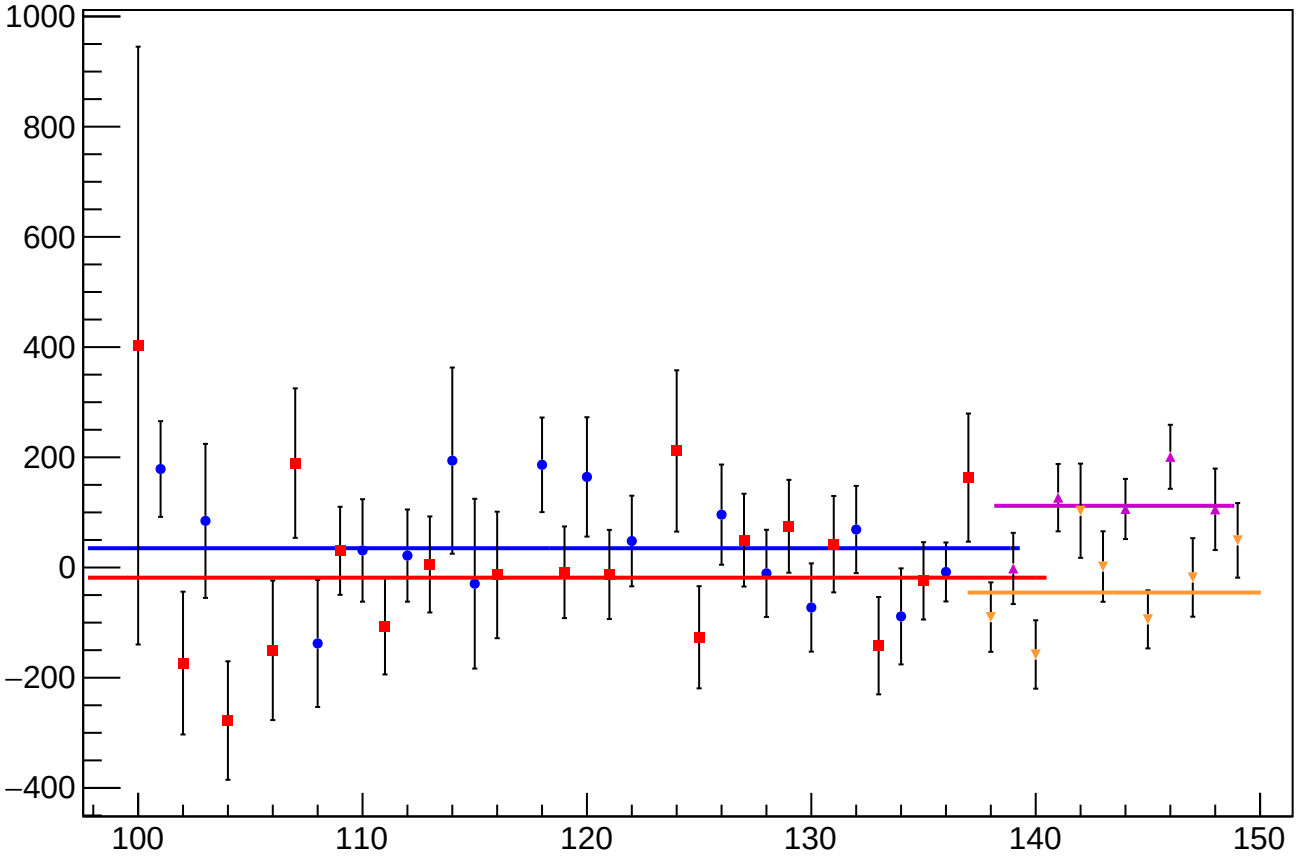
Left In: 361.508+/-0.124 χ^2/NDF:146005.3/4

+ sign 399.789+/-0.083 χ^2/NDF: 1714157.8/22

All: 409.128+/-0.061 χ^2/NDF: 3243767.7/46

- 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: -45.408+/-24.487 χ^2/NDF:10.3/6

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

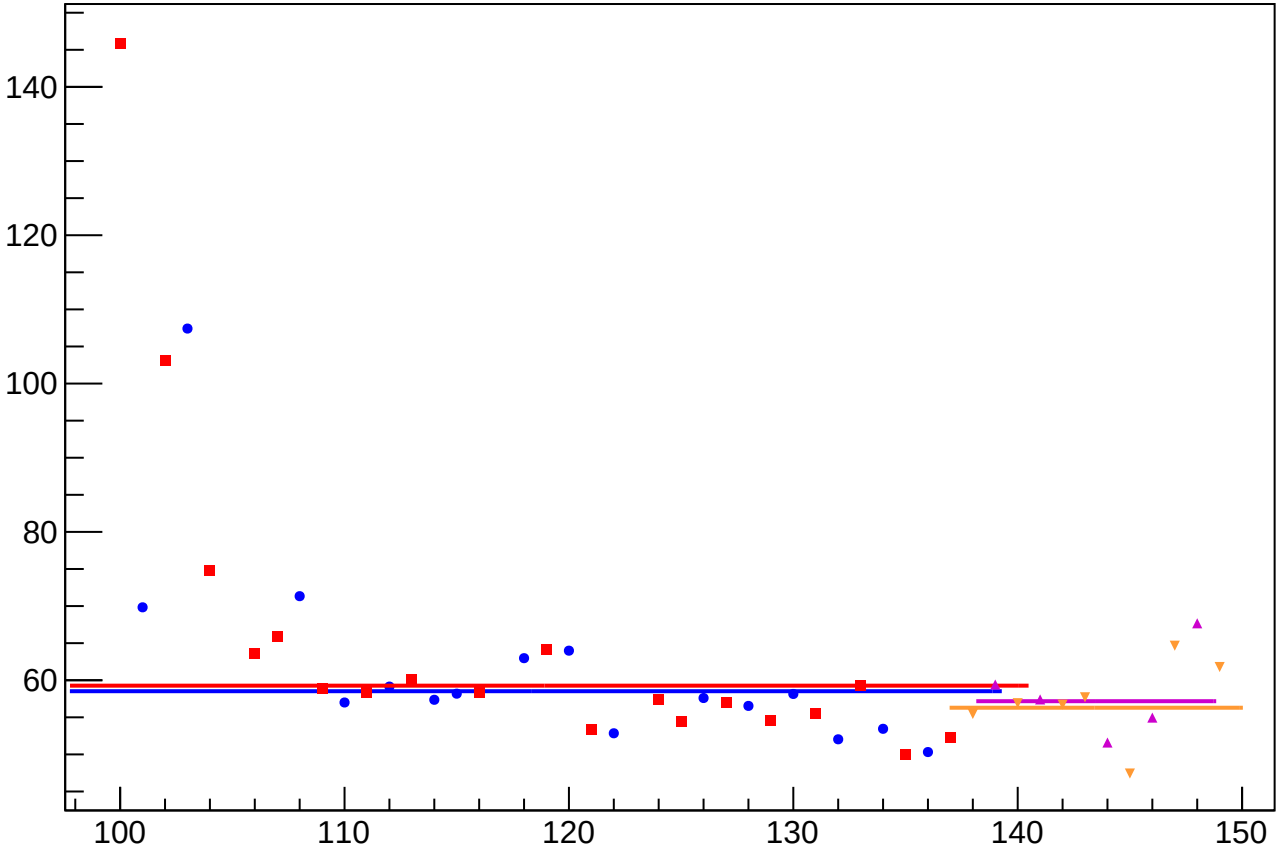
Left In: 111.993+/-27.506 χ^2/NDF:5.5/4

+ sign -1.147+/-16.420 χ^2/NDF: 32.4/22

All: 15.020+/-11.893 χ^2/NDF: 77.0/46

- 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: 56.294+/-0.017 χ^2/NDF:98920.2/6

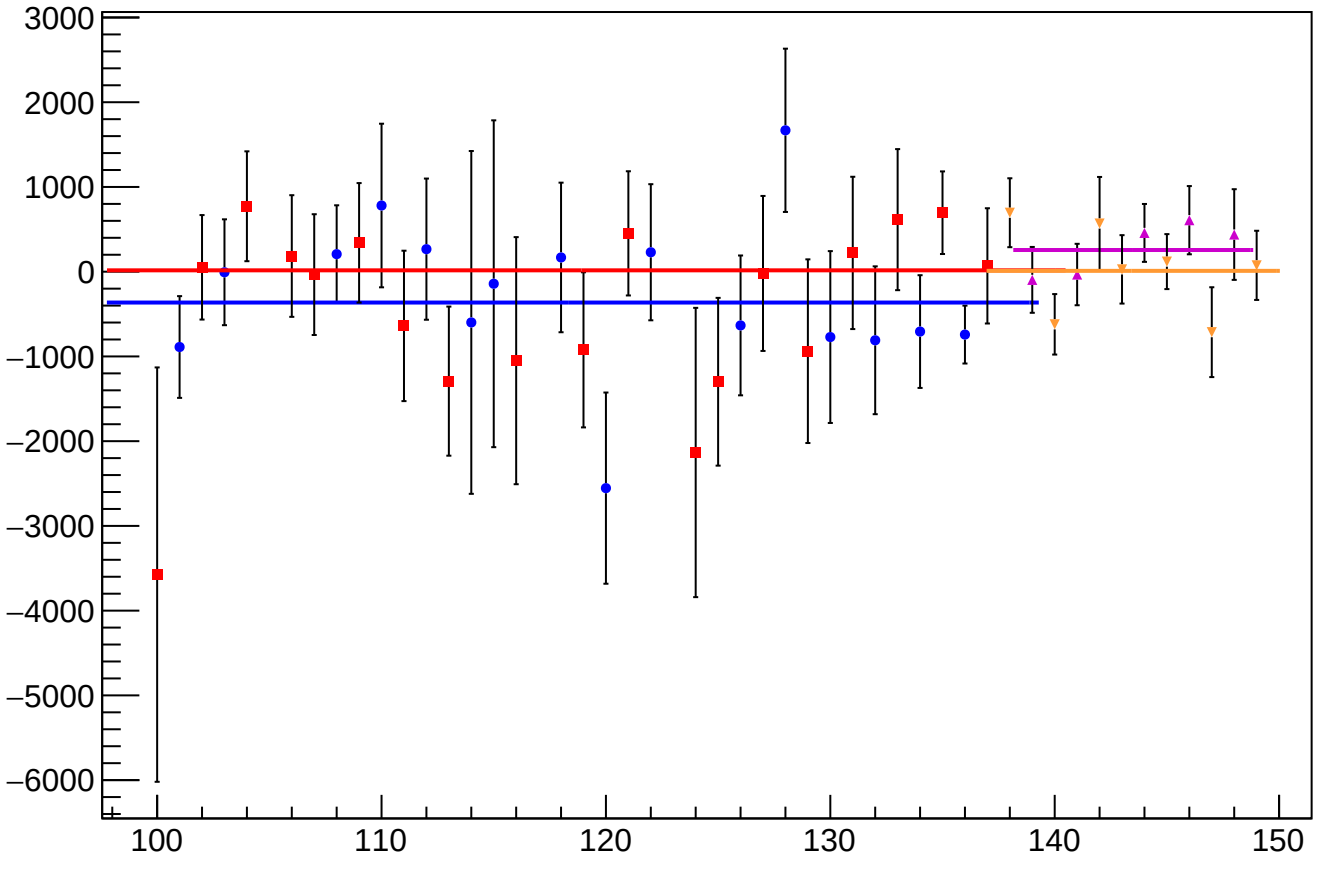
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.175+/-0.019 χ^2/NDF:66540.0/4

+ sign 57.520+/-0.012 χ^2/NDF: 500777.5/22

All: 57.960+/-0.008 χ^2/NDF: 982996.0/46

- 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: 9.918+/-153.559 χ^2/NDF:9.0/6

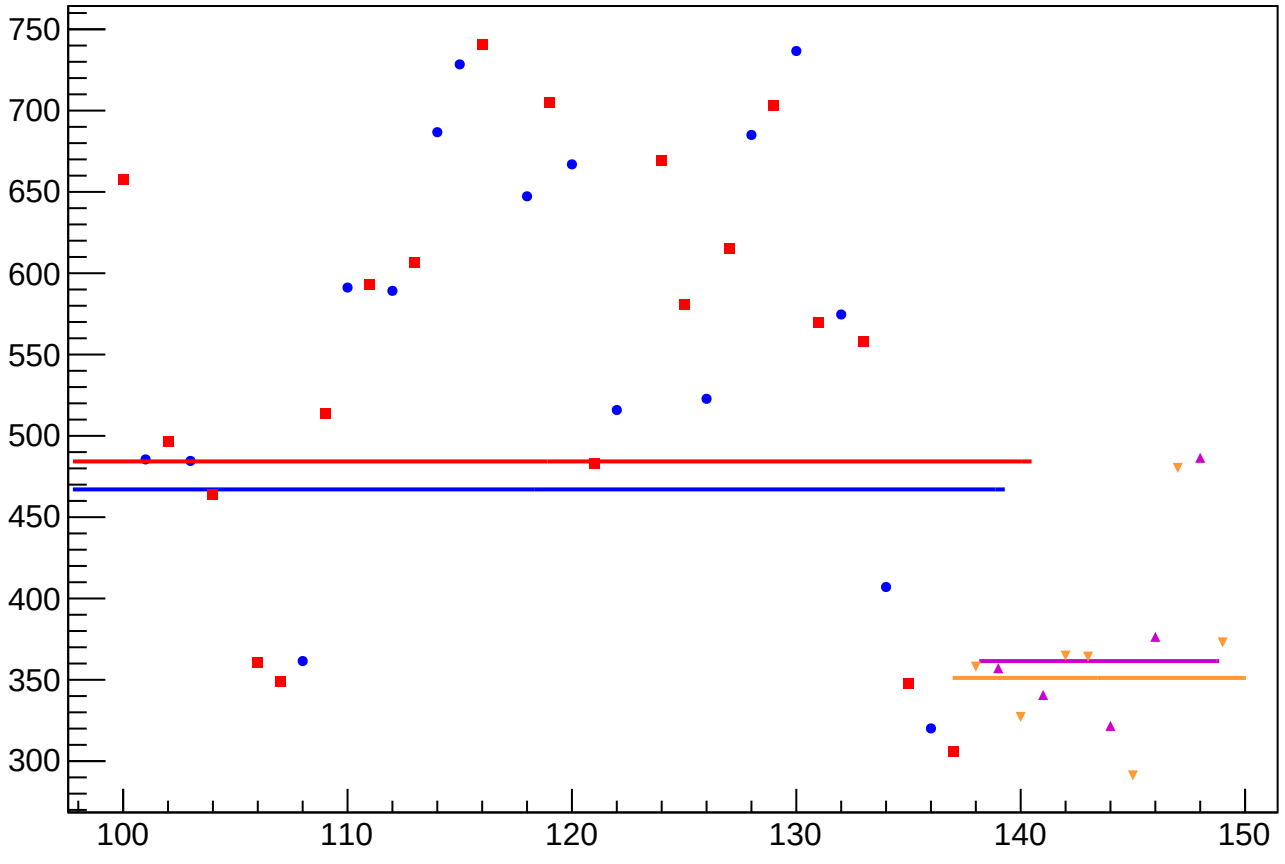
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 255.948+/-175.524 χ^2/NDF:2.7/4

+ sign -146.994+/-116.987 χ^2/NDF: 26.7/22

All: -14.469+/-86.011 χ^2/NDF: 48.2/46

- 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: 351.149+/-0.109 χ^2/NDF:205638.6/6

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

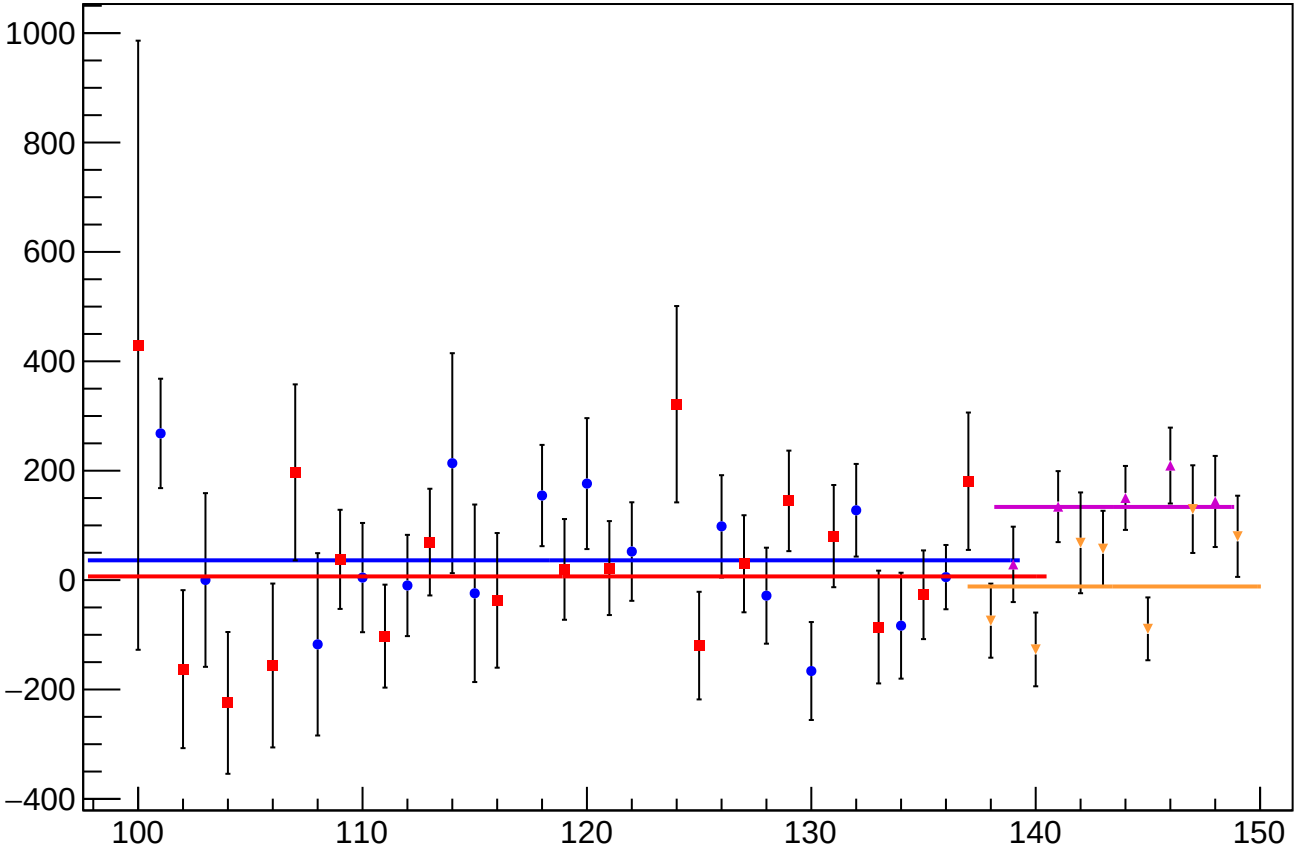
Left In: 361.508+/-0.124 χ^2/NDF:146005.3/4

+ sign 399.789+/-0.083 χ^2/NDF: 1714157.8/22

All: 409.128+/-0.061 χ^2/NDF: 3243767.7/46

- 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: -11.679+/-26.686 χ^2/NDF:12.0/6

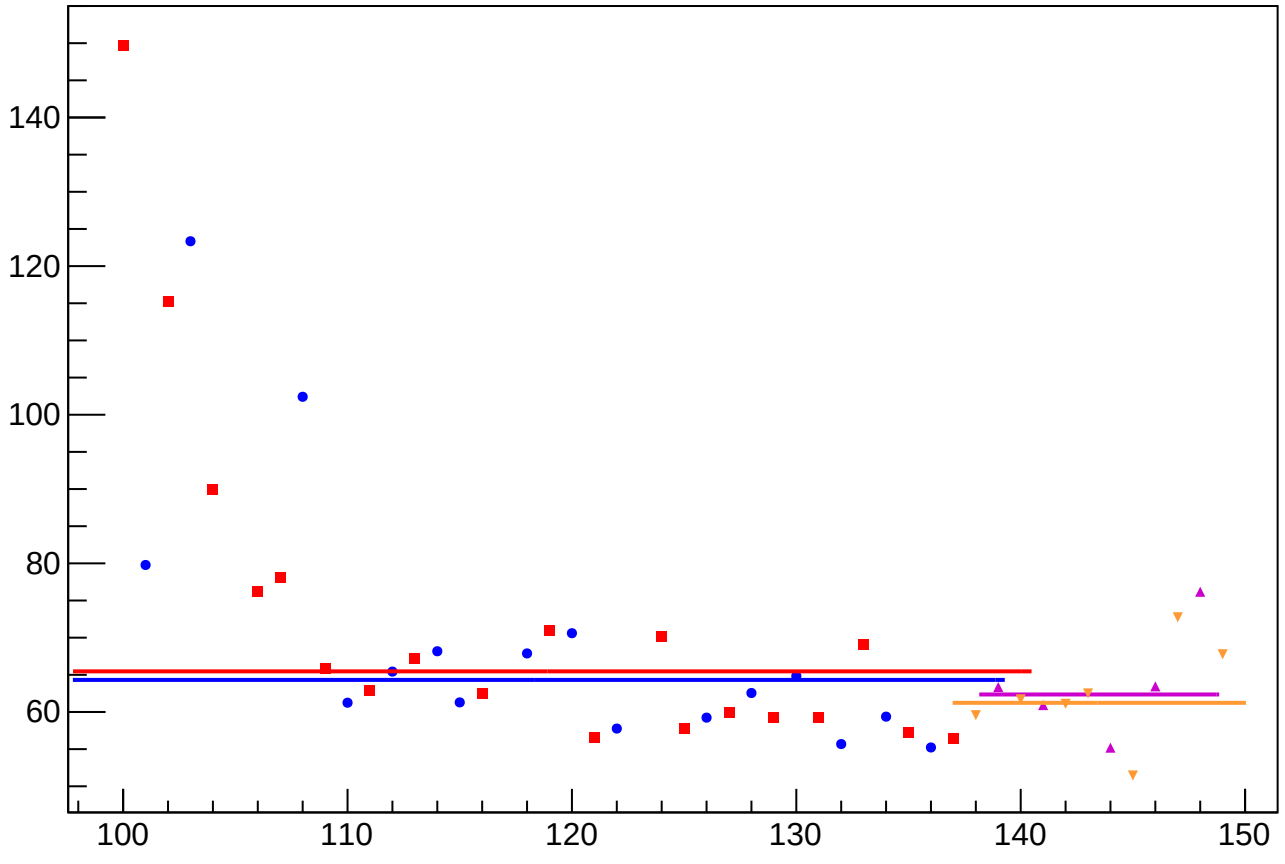
Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: 133.761+/-30.255 χ^2/NDF:3.6/4

+ sign 14.306+/-18.036 χ^2/NDF: 33.4/22

All: 34.559+/-13.104 χ^2/NDF: 70.6/46

- sign 57.203+/-19.071 χ^2/NDF: 34.6/23



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.233+/-0.019 χ^2/NDF:116666.6/6

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

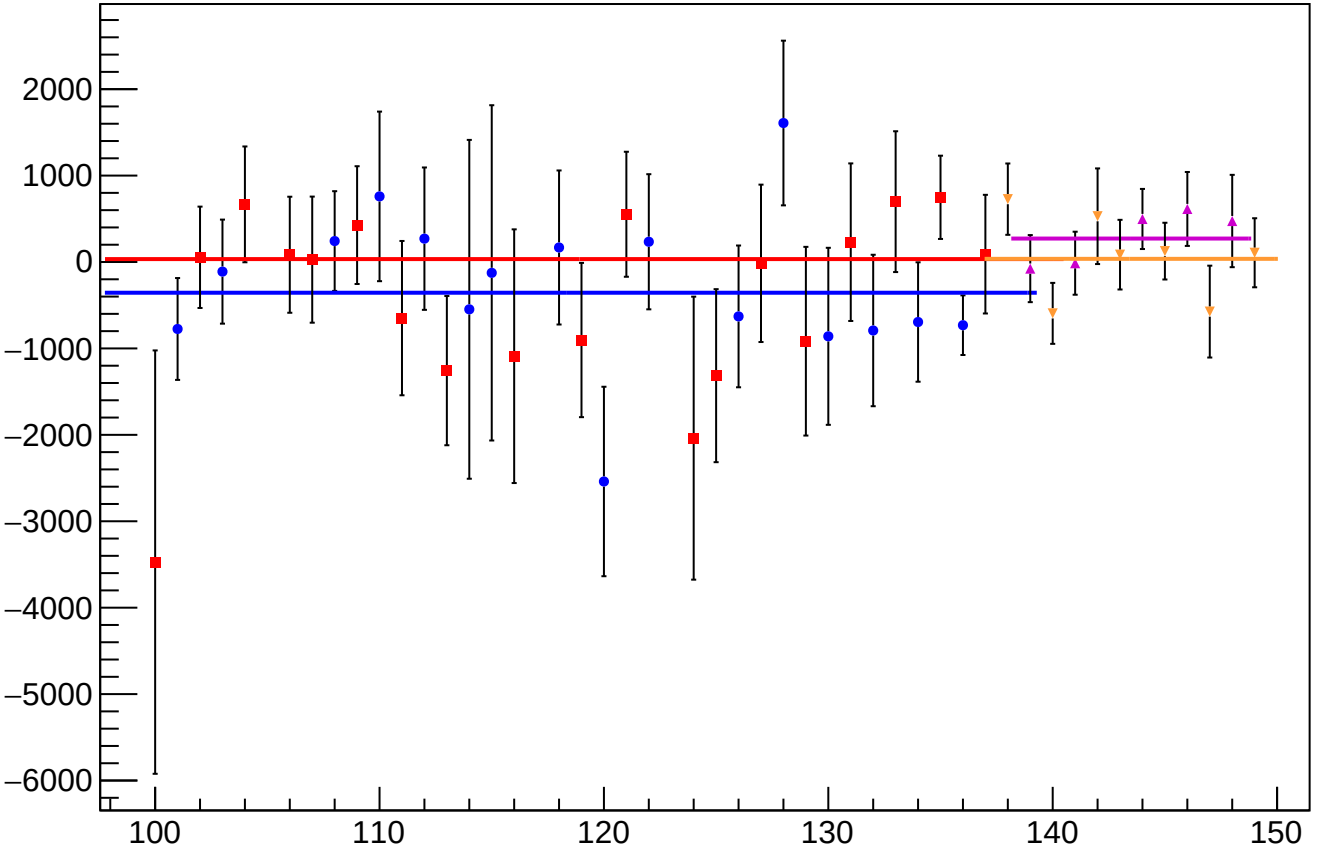
Left In: 62.356+/-0.021 χ^2/NDF:86942.9/4

+ sign 62.908+/-0.013 χ^2/NDF: 663234.2/22

All: 63.532+/-0.009 χ^2/NDF: 1250350.1/46

- sign 64.231+/-0.013 χ^2/NDF: 582037.4/23

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: 36.591+/-153.542 χ^2/NDF:8.2/6

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

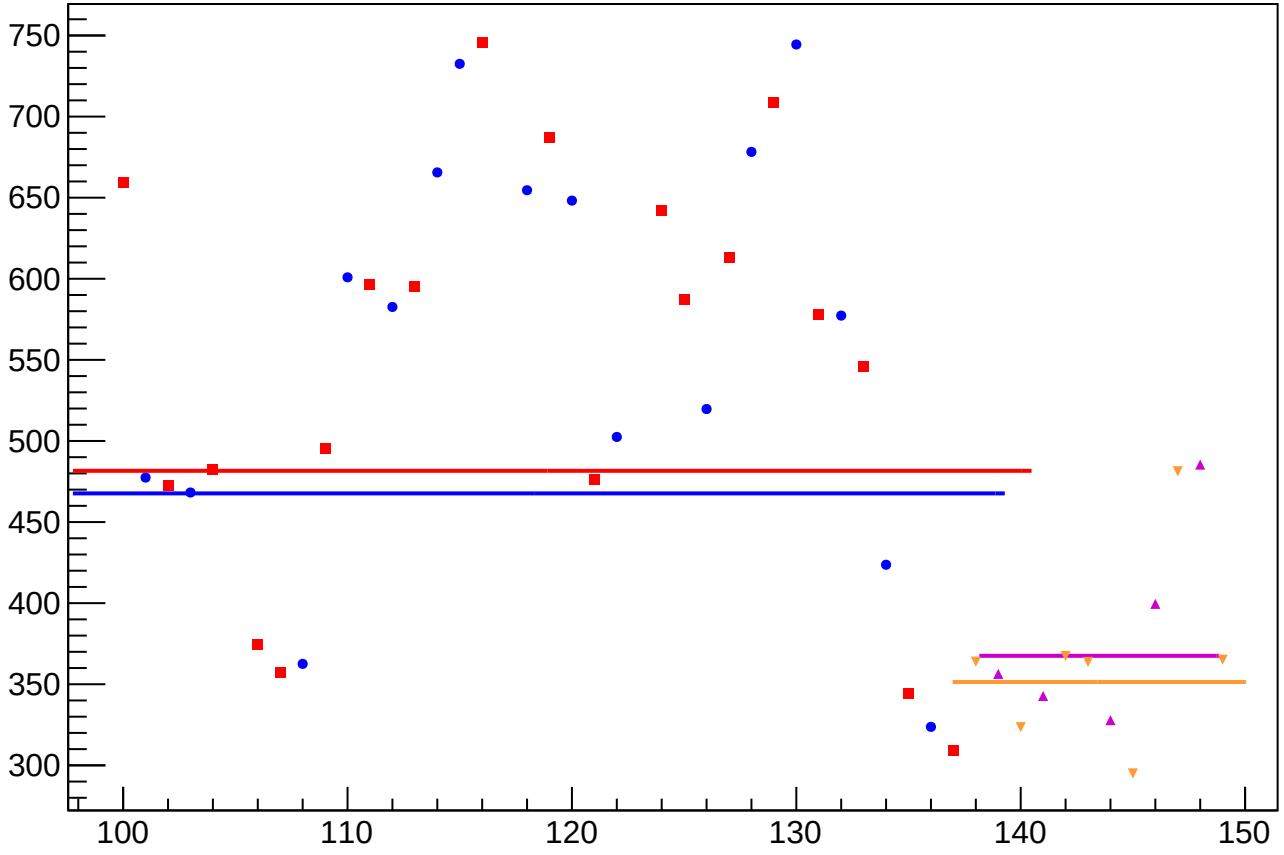
Left In: 271.376+/-178.464 χ^2/NDF:2.6/4

+ sign -128.204+/-116.907 χ^2/NDF: 25.8/22

All: 1.224+/-86.098 χ^2/NDF: 47.3/46

- 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: 351.404+/-0.109 χ^2/NDF:198716.5/6

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

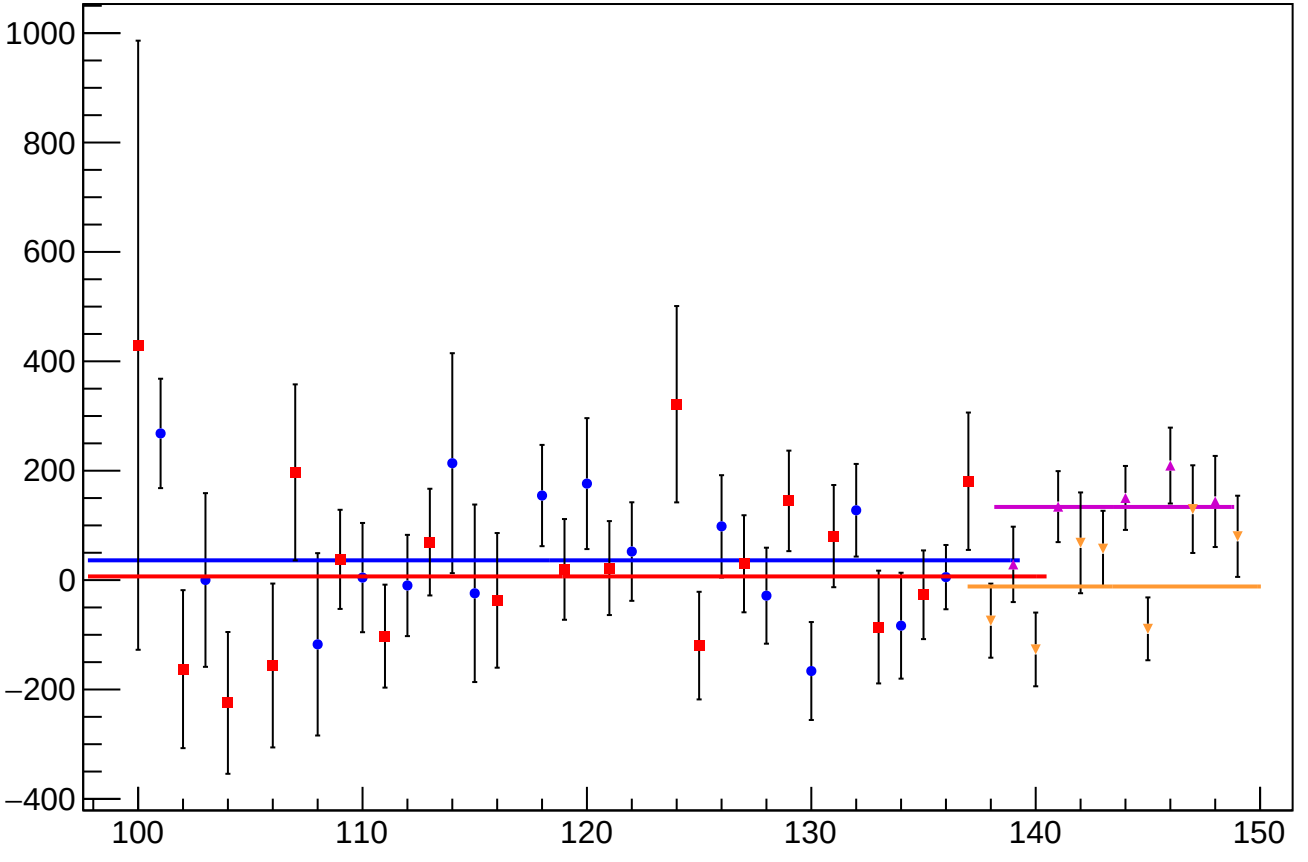
Left In: 367.533+/-0.126 χ^2/NDF:145572.9/4

+ sign 400.269+/-0.083 χ^2/NDF: 1666648.4/22

All: 410.939+/-0.061 χ^2/NDF: 3104404.1/46

- 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: -11.678+/-26.686 χ^2/NDF:12.0/6

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

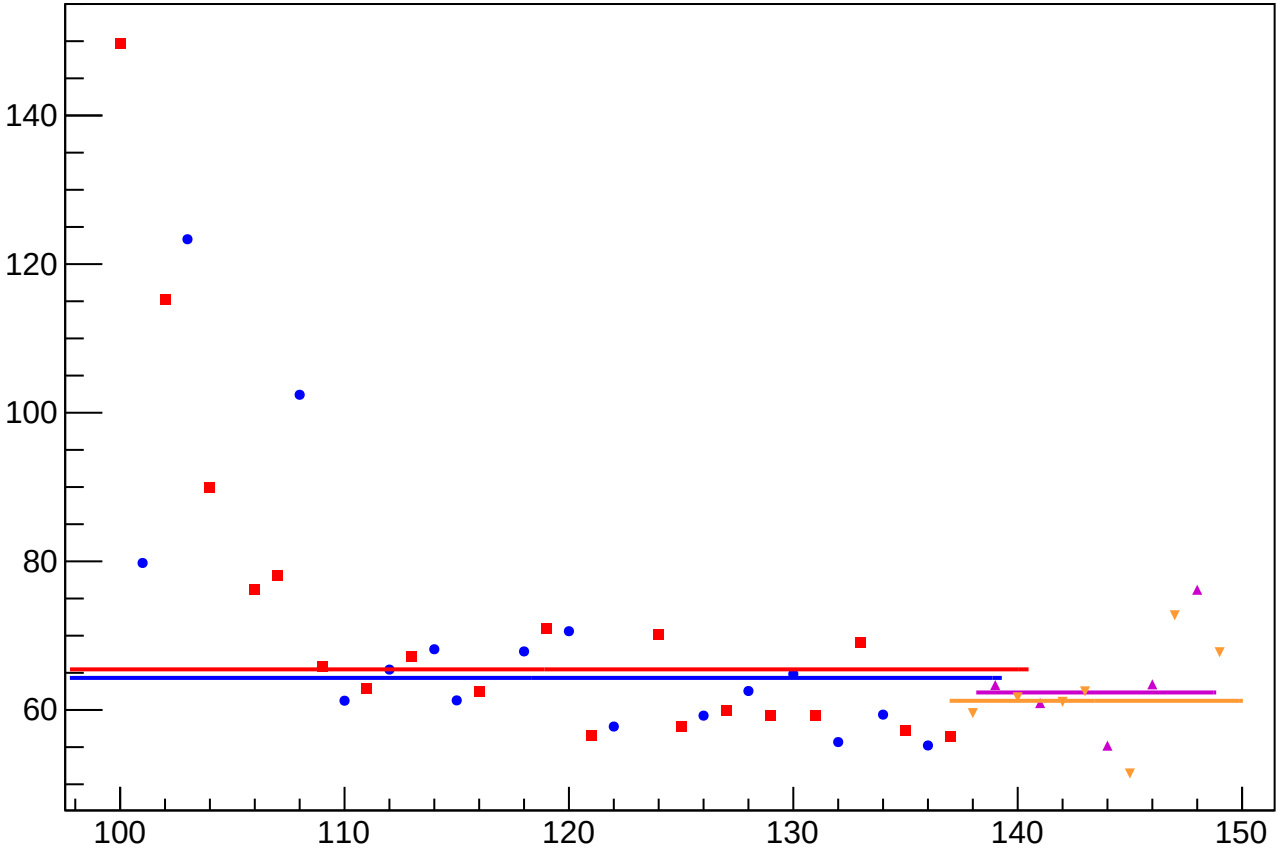
Left In: 133.761+/-30.256 χ^2/NDF:3.6/4

+ sign 14.306+/-18.036 χ^2/NDF: 33.4/22

All: 34.559+/-13.104 χ^2/NDF: 70.6/46

- 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: 61.233+/-0.019 χ^2/NDF:116669.3/6

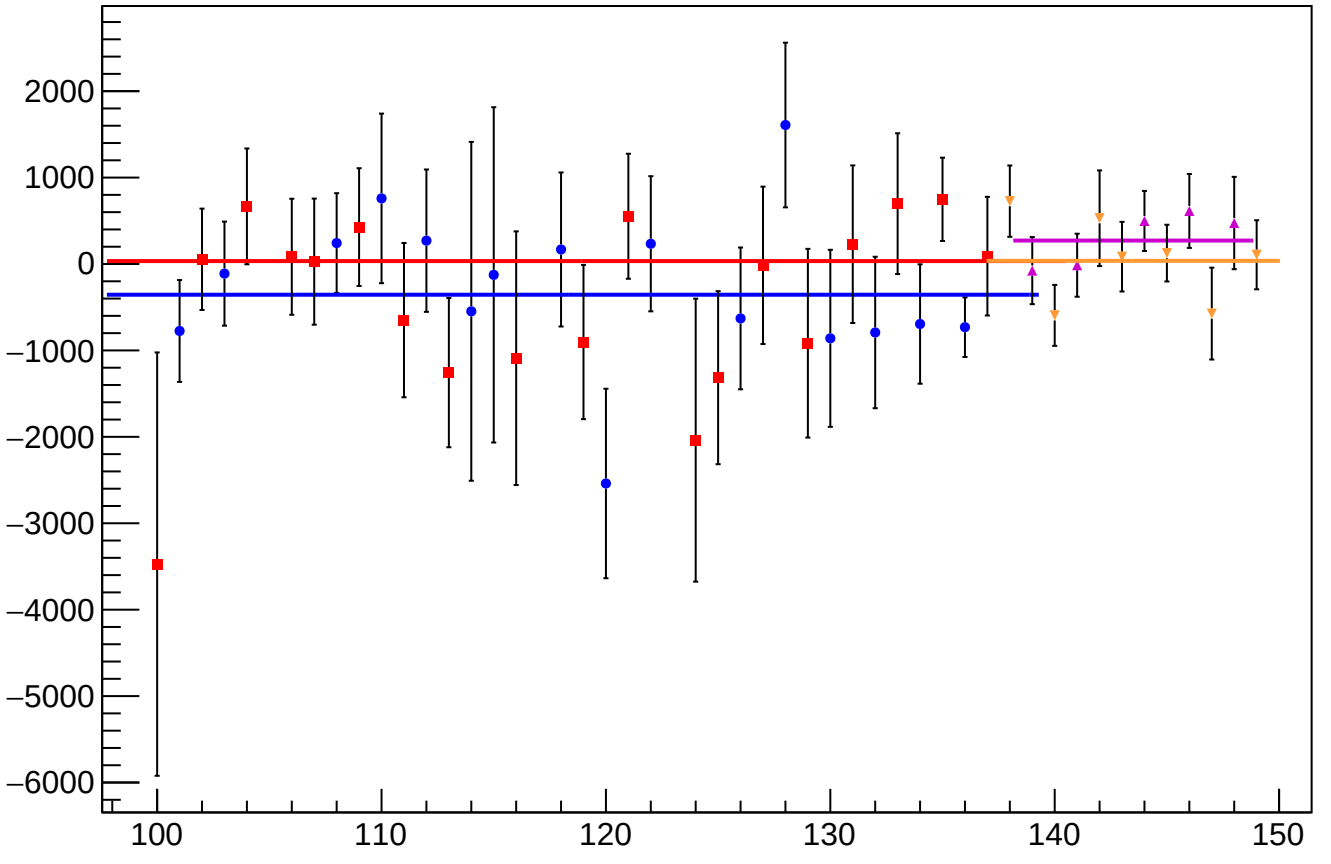
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.356+/-0.021 χ^2/NDF:86945.0/4

+ sign 62.908+/-0.013 χ^2/NDF: 663243.8/22

All: 63.532+/-0.009 χ^2/NDF: 1250366.5/46

- 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: 36.591+/-153.542 χ^2/NDF:8.2/6

Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

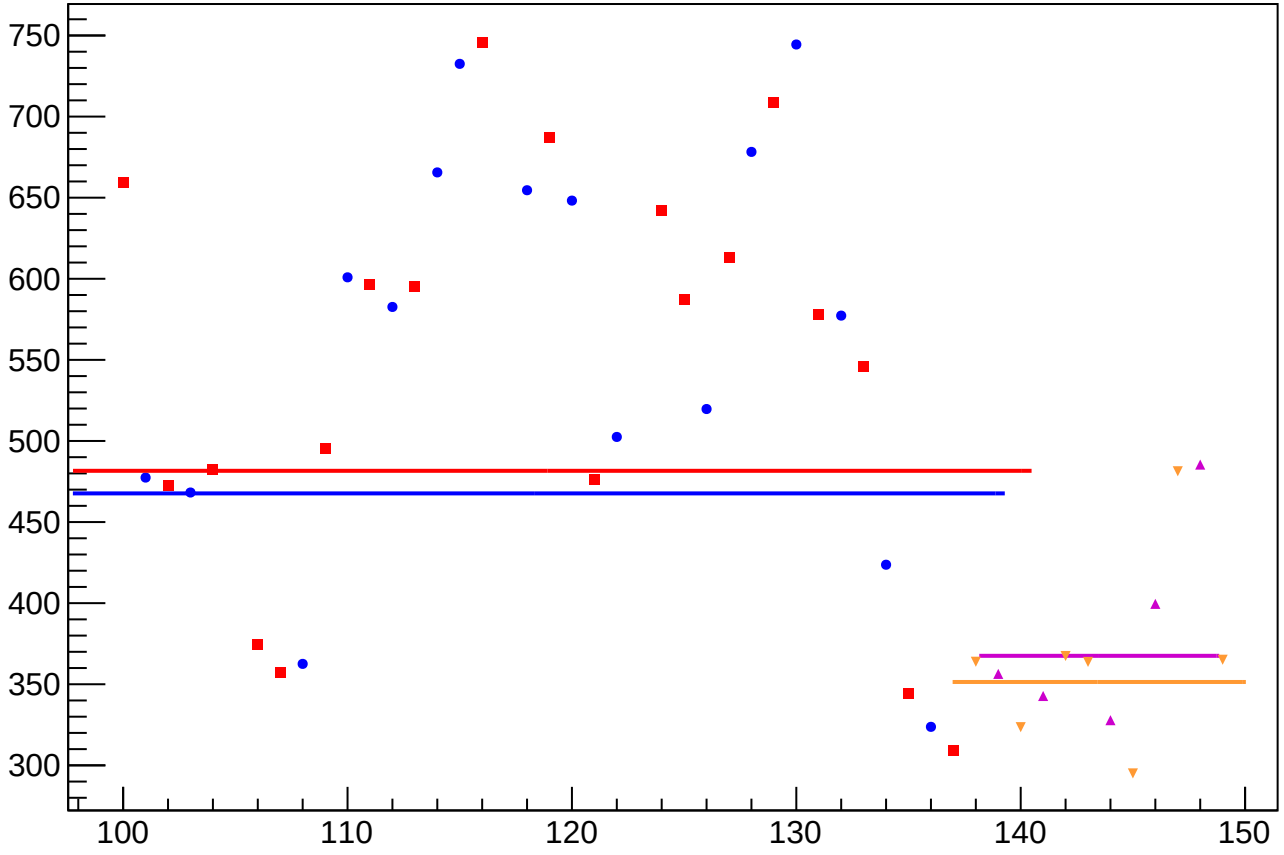
Left In: 271.377+/-178.464 χ^2/NDF:2.6/4

+ sign -128.204+/-116.907 χ^2/NDF: 25.8/22

All: 1.224+/-86.098 χ^2/NDF: 47.3/46

- sign 154.625+/-127.274 χ^2/NDF: 18.9/23

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 351.404+/-0.109 χ^2/NDF:198716.6/6

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

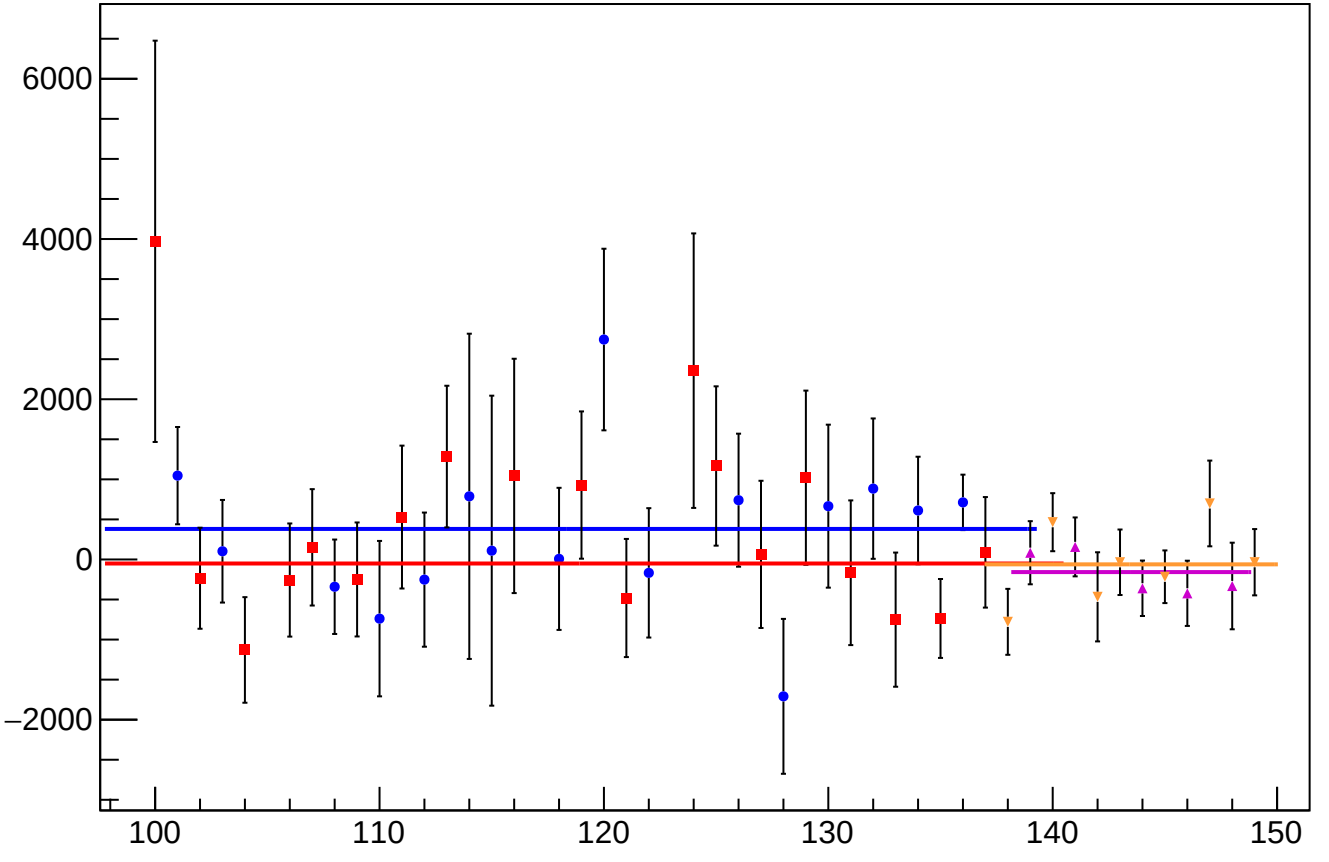
Left In: 367.533+/-0.126 χ^2/NDF:145572.6/4

+ sign 400.269+/-0.083 χ^2/NDF: 1666644.2/22

All: 410.939+/-0.061 χ^2/NDF: 3104391.0/46

- 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: -61.029+/-155.557 χ^2/NDF:7.9/6

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

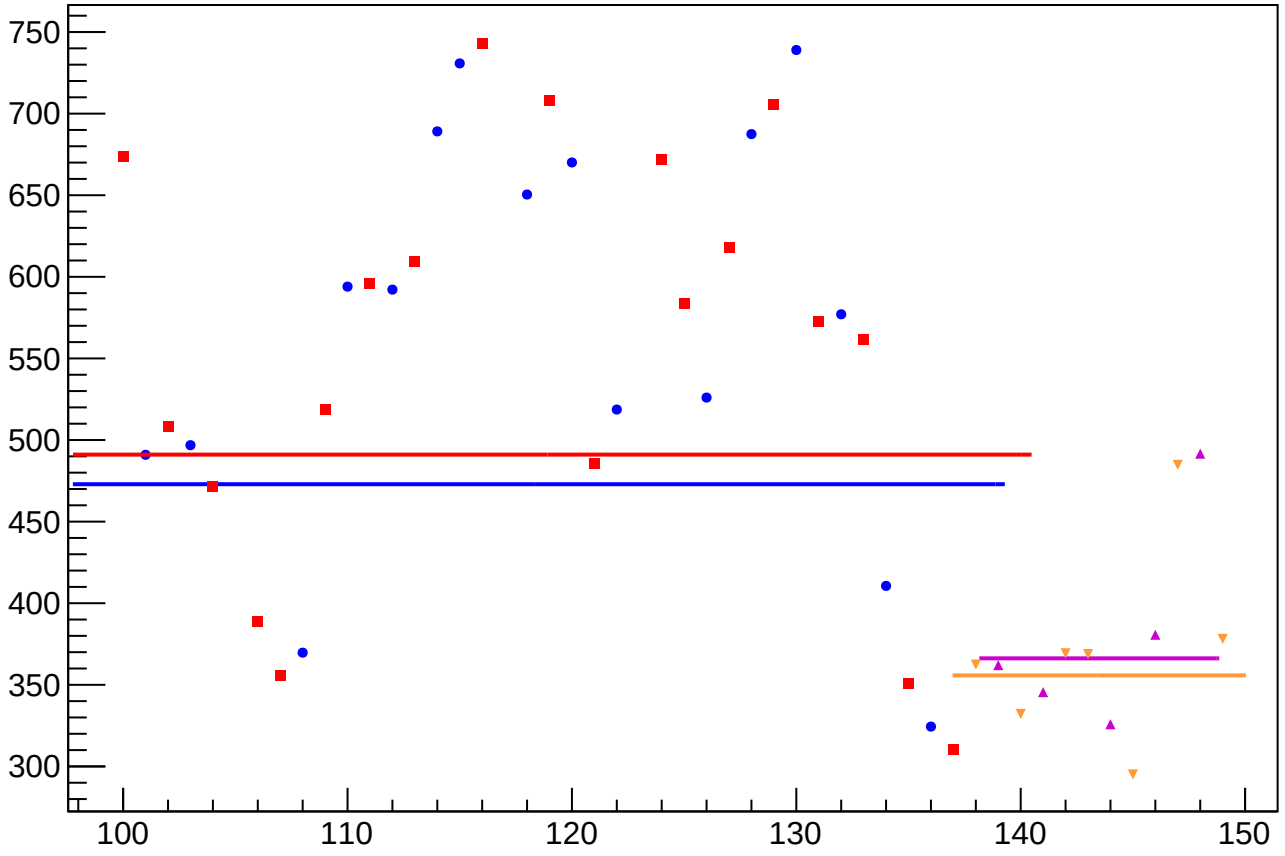
Left In: -157.539+/-177.761 χ^2/NDF:2.0/4

+ sign 124.831+/-118.429 χ^2/NDF: 27.5/22

All: 18.523+/-87.012 χ^2/NDF: 48.8/46

- 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: 355.788+/-0.110 χ^2/NDF:202483.5/6

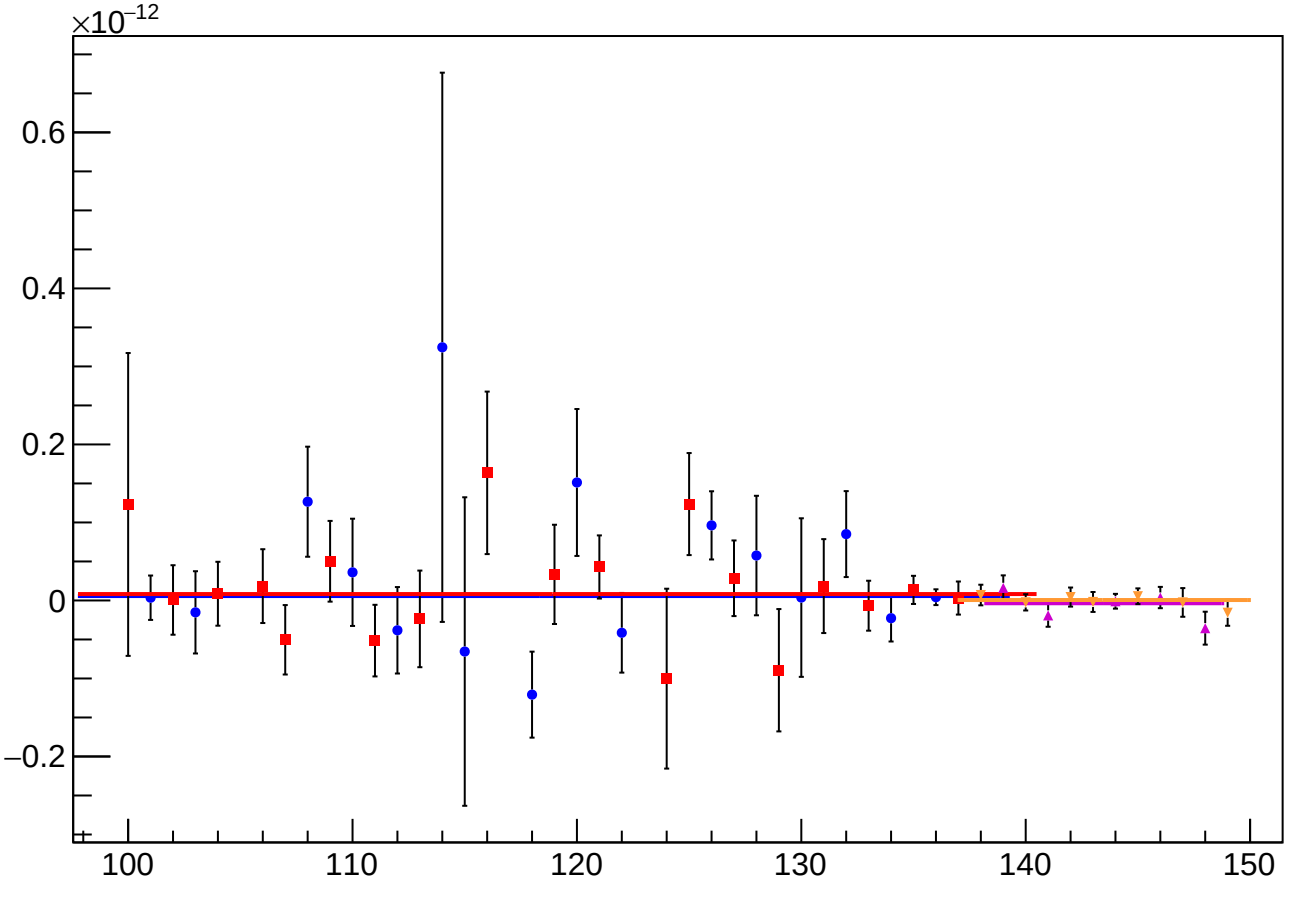
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 366.217+/-0.126 χ^2/NDF:143972.7/4

+ sign 405.030+/-0.084 χ^2/NDF: 1679506.5/22

All: 414.709+/-0.062 χ^2/NDF: 3172880.7/46

- 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:1.7/6

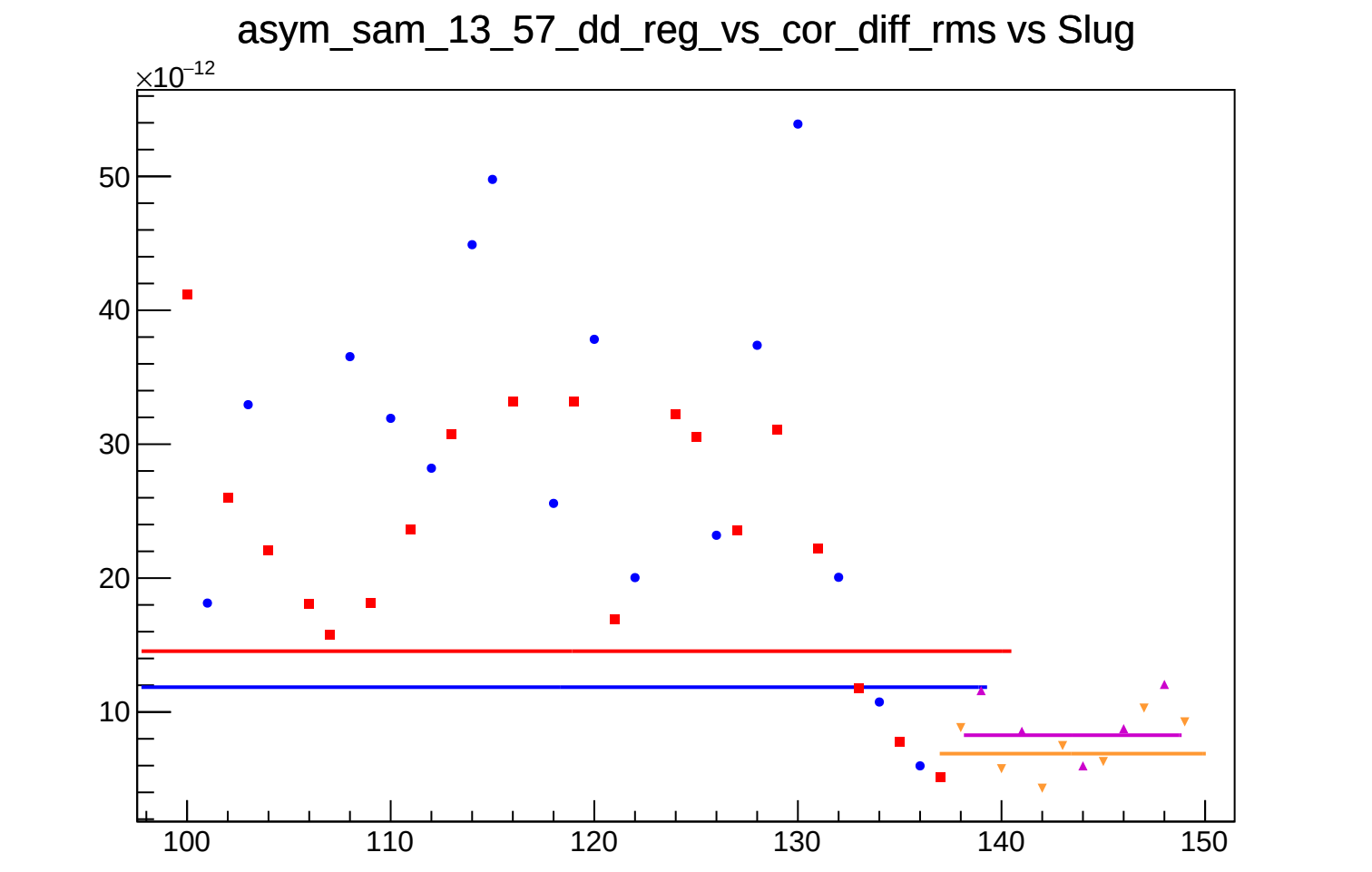
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/22

All: 0.000+/-0.000 χ^2/NDF: 43.6/46

- 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:275920.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

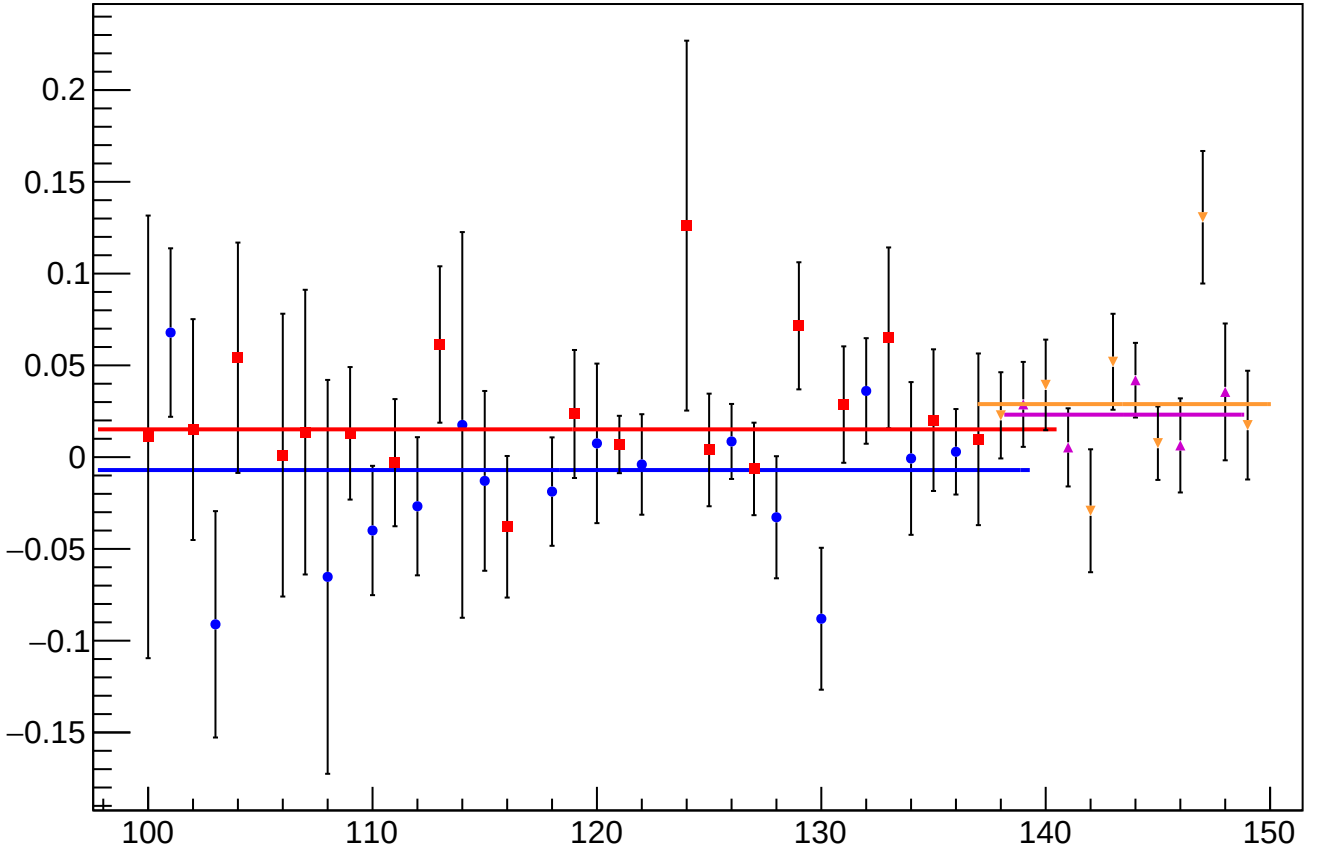
Left In: 0.000+/-0.000 χ^2/NDF:271483.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 3682384.3/22

All: 0.000+/-0.000 χ^2/NDF: 6547109.4/46

- 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: 0.029+/-0.010 χ^2/NDF:13.3/6

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

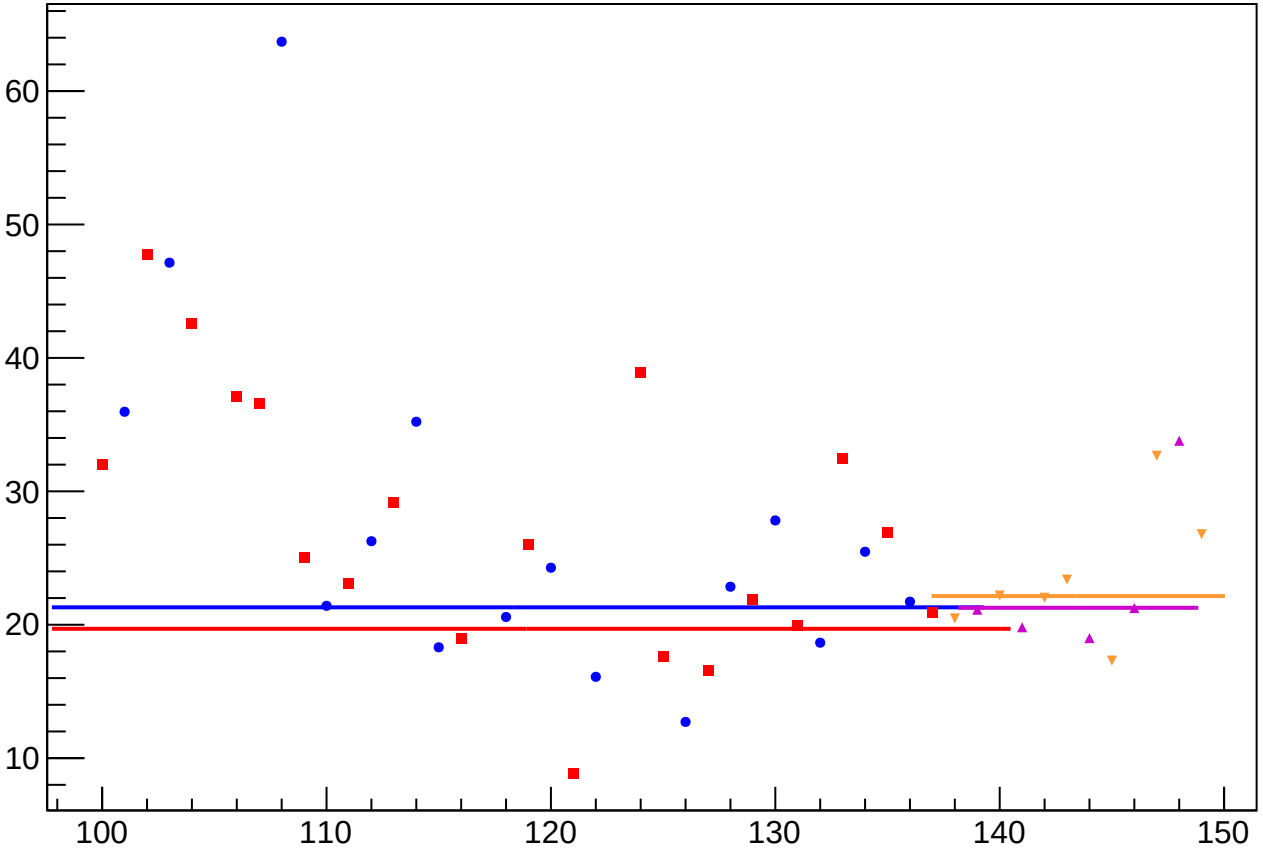
Left In: 0.023+/-0.011 χ^2/NDF:2.2/4

\+ sign 0.008+/-0.007 χ^2/NDF: 35.1/22

All: 0.013+/-0.005 χ^2/NDF: 48.8/46

\- 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: 22.148+/-0.007 χ^2/NDF:350176.1/6

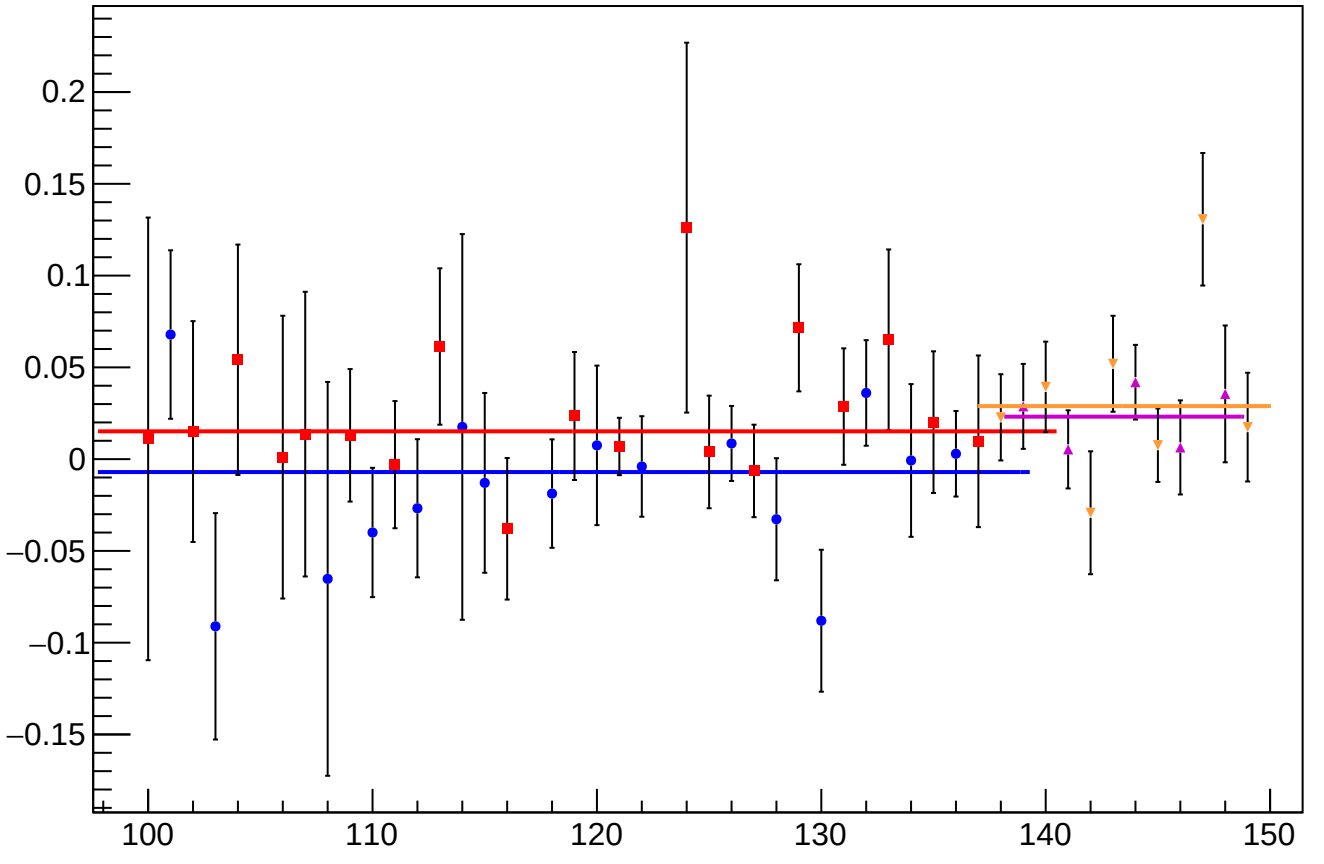
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 21.271+/-0.008 χ^2/NDF:260132.8/4

+ sign 21.669+/-0.005 χ^2/NDF: 1837817.3/22

All: 20.977+/-0.003 χ^2/NDF: 4609546.5/46

- 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: 0.029+/-0.010 χ^2/NDF:13.3/6

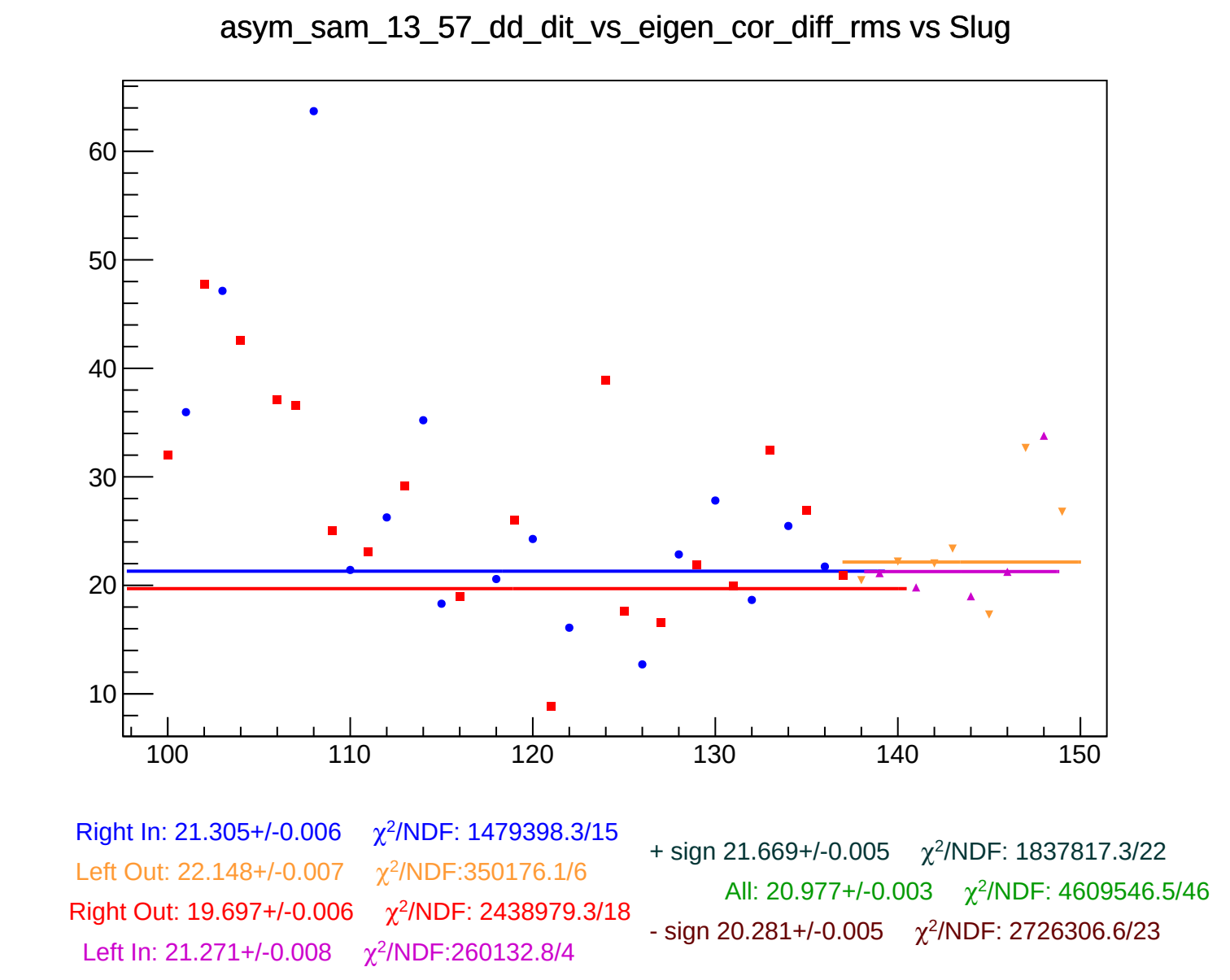
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

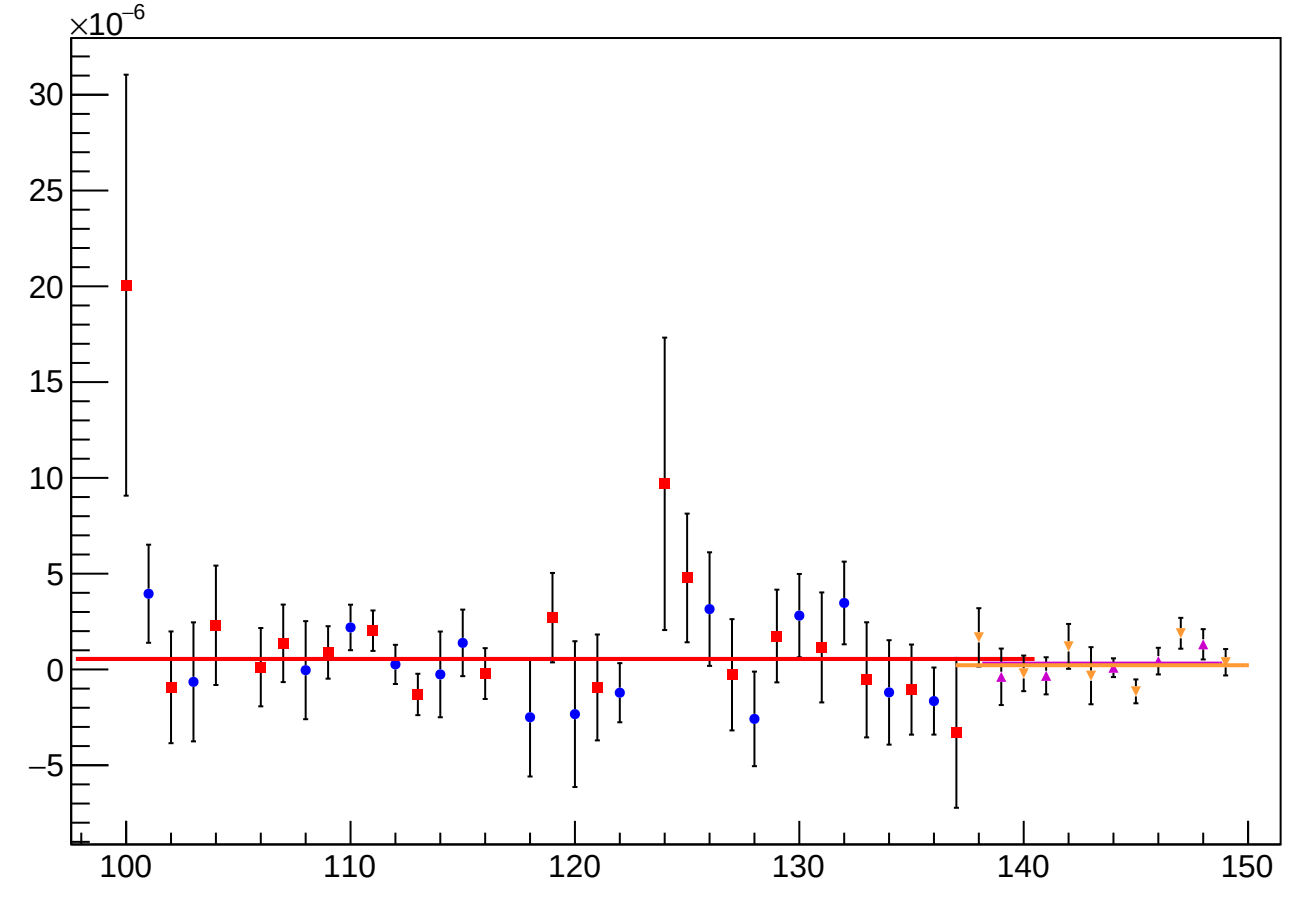
Left In: 0.023+/-0.011 χ^2/NDF:2.2/4

+ sign 0.008+/-0.007 χ^2/NDF: 35.1/22

All: 0.013+/-0.005 χ^2/NDF: 48.8/46

- sign 0.018+/-0.007 χ^2/NDF: 12.6/23


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 22.148+/-0.007 χ²/NDF:350176.1/6
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 21.271+/-0.008 χ²/NDF:260132.8/4
+ sign 21.669+/-0.005 χ²/NDF: 1837817.3/22
All: 20.977+/-0.003 χ²/NDF: 4609546.5/46
- sign 20.281+/-0.005 χ²/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:11.1/6

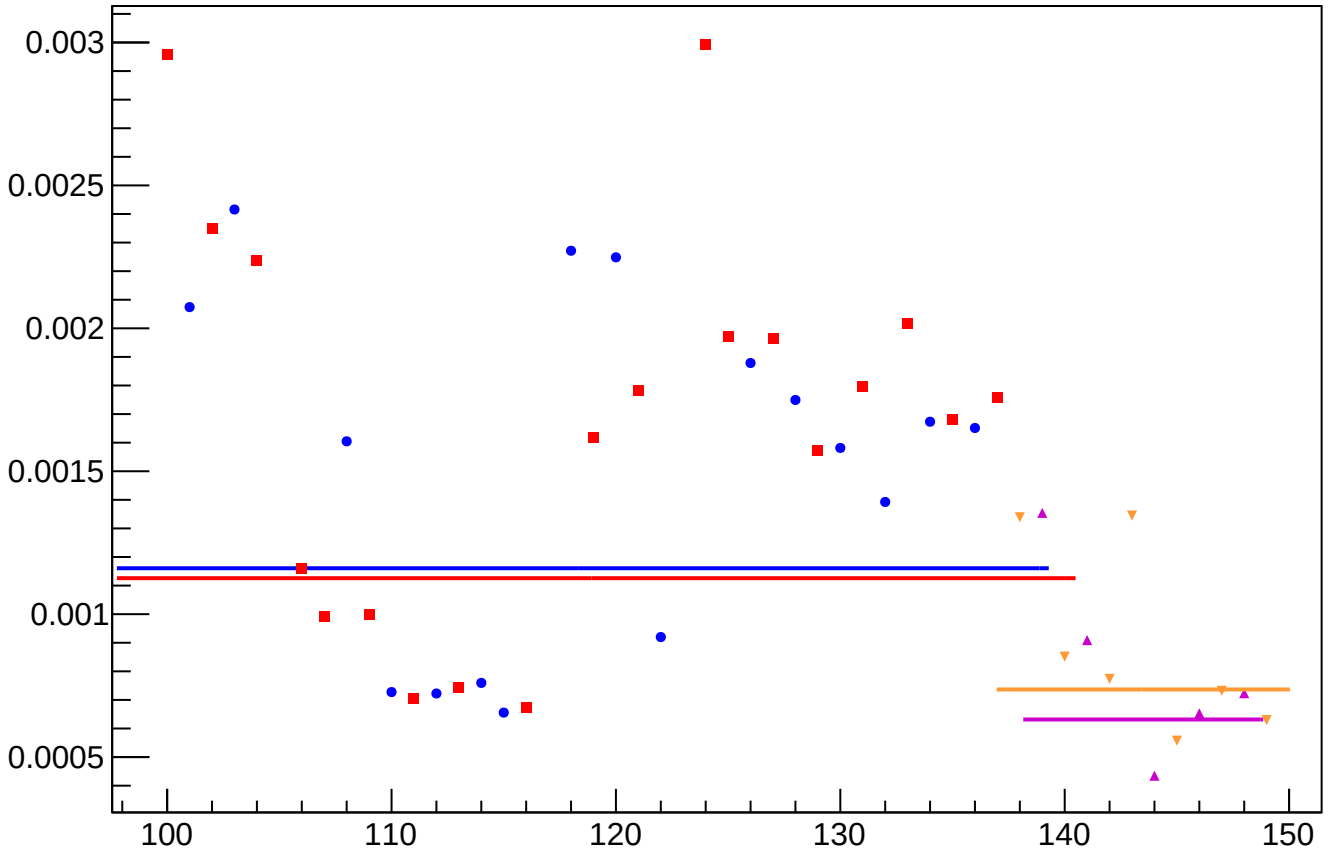
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 25.8/22

All: 0.000+/-0.000 χ^2/NDF: 43.9/46

- sign 0.000+/-0.000 χ^2/NDF: 18.0/23



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:892583.9/6

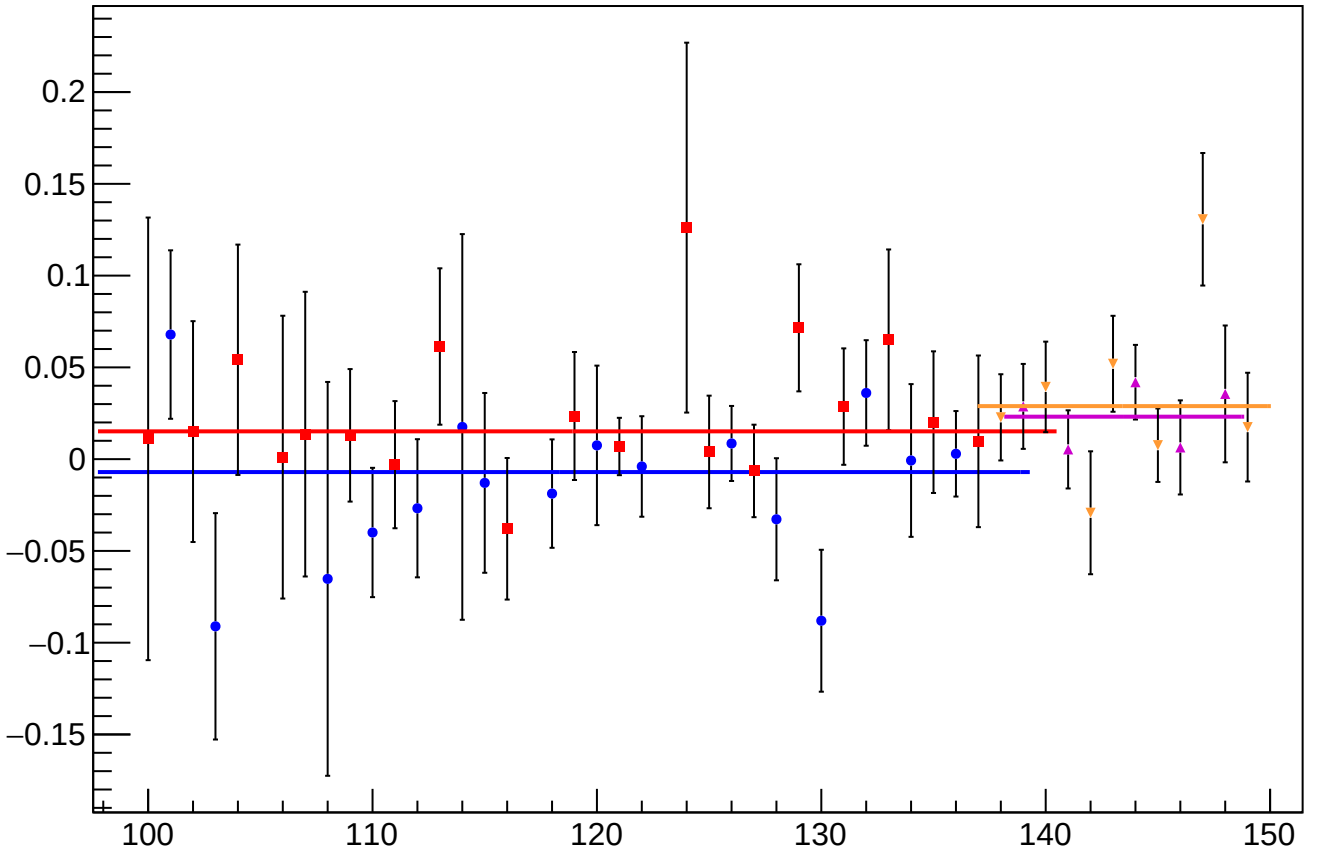
Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:997188.9/4

+ sign 0.001+/-0.000 χ^2/NDF: 4483816.9/22

All: 0.001+/-0.000 χ^2/NDF: 9727815.7/46

- sign 0.001+/-0.000 χ^2/NDF: 5162329.8/23



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.029+/-0.010 χ^2/NDF:13.3/6

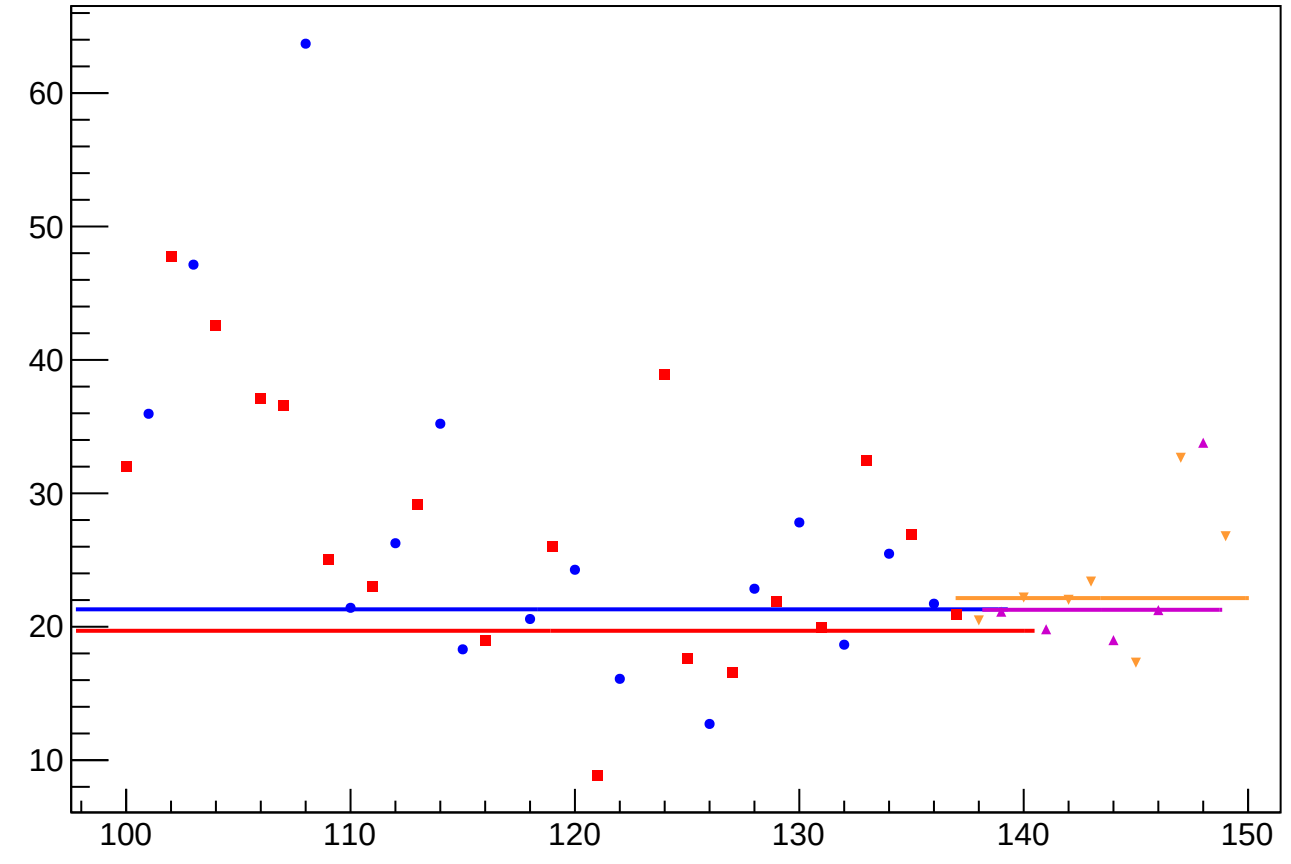
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.023+/-0.011 χ^2/NDF:2.2/4

+ sign 0.008+/-0.007 χ^2/NDF: 35.1/22

All: 0.013+/-0.005 χ^2/NDF: 48.8/46

- 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: 22.148+/-0.007 χ^2/NDF:350204.5/6

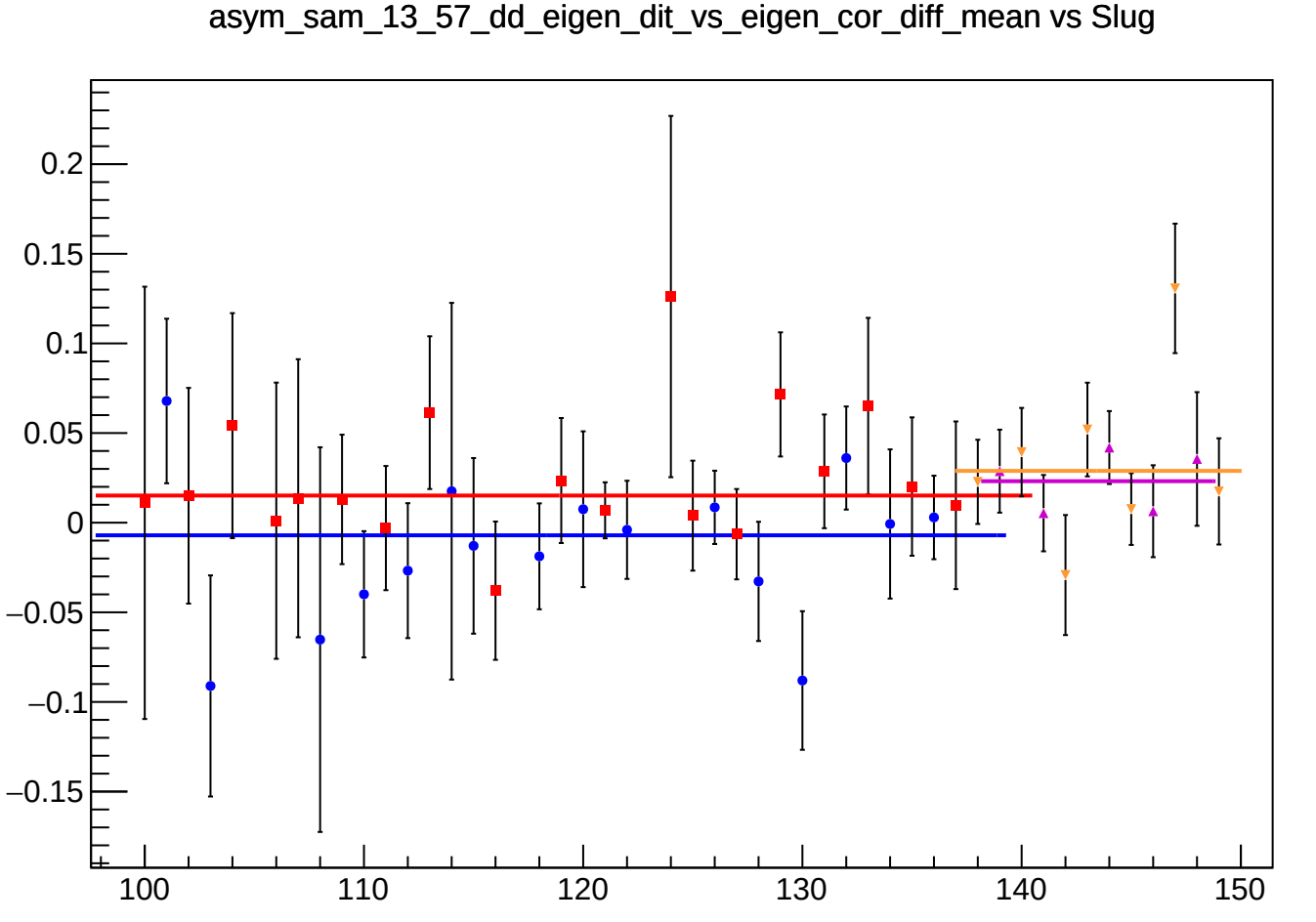
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.271+/-0.008 χ^2/NDF:260141.2/4

+ sign 21.669+/-0.005 χ^2/NDF: 1837675.2/22

All: 20.978+/-0.003 χ^2/NDF: 4609011.1/46

- 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: 0.029+/-0.010 χ^2/NDF:13.3/6

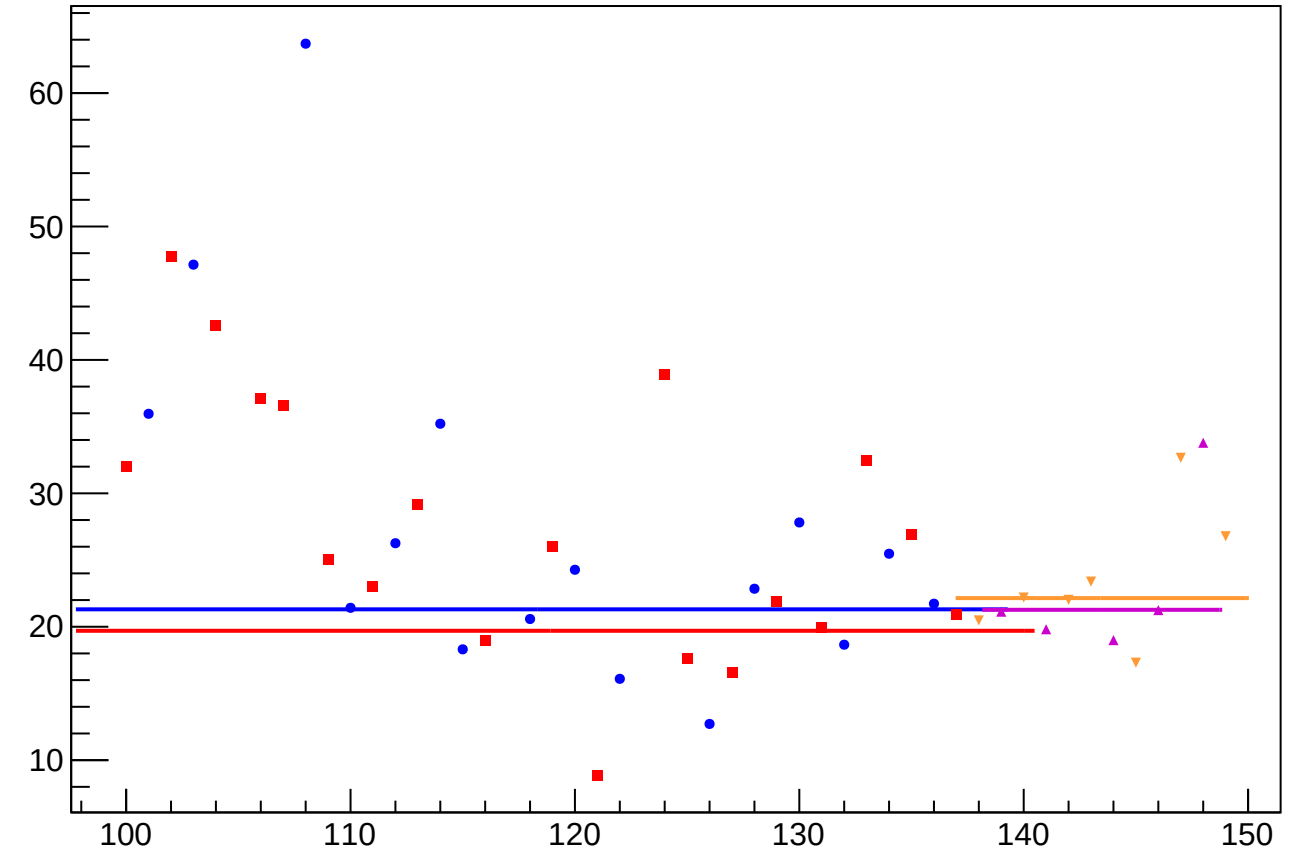
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.023+/-0.011 χ^2/NDF:2.2/4

+ sign 0.008+/-0.007 χ^2/NDF: 35.1/22

All: 0.013+/-0.005 χ^2/NDF: 48.8/46

- 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: 22.148+/-0.007 χ^2/NDF:350204.5/6

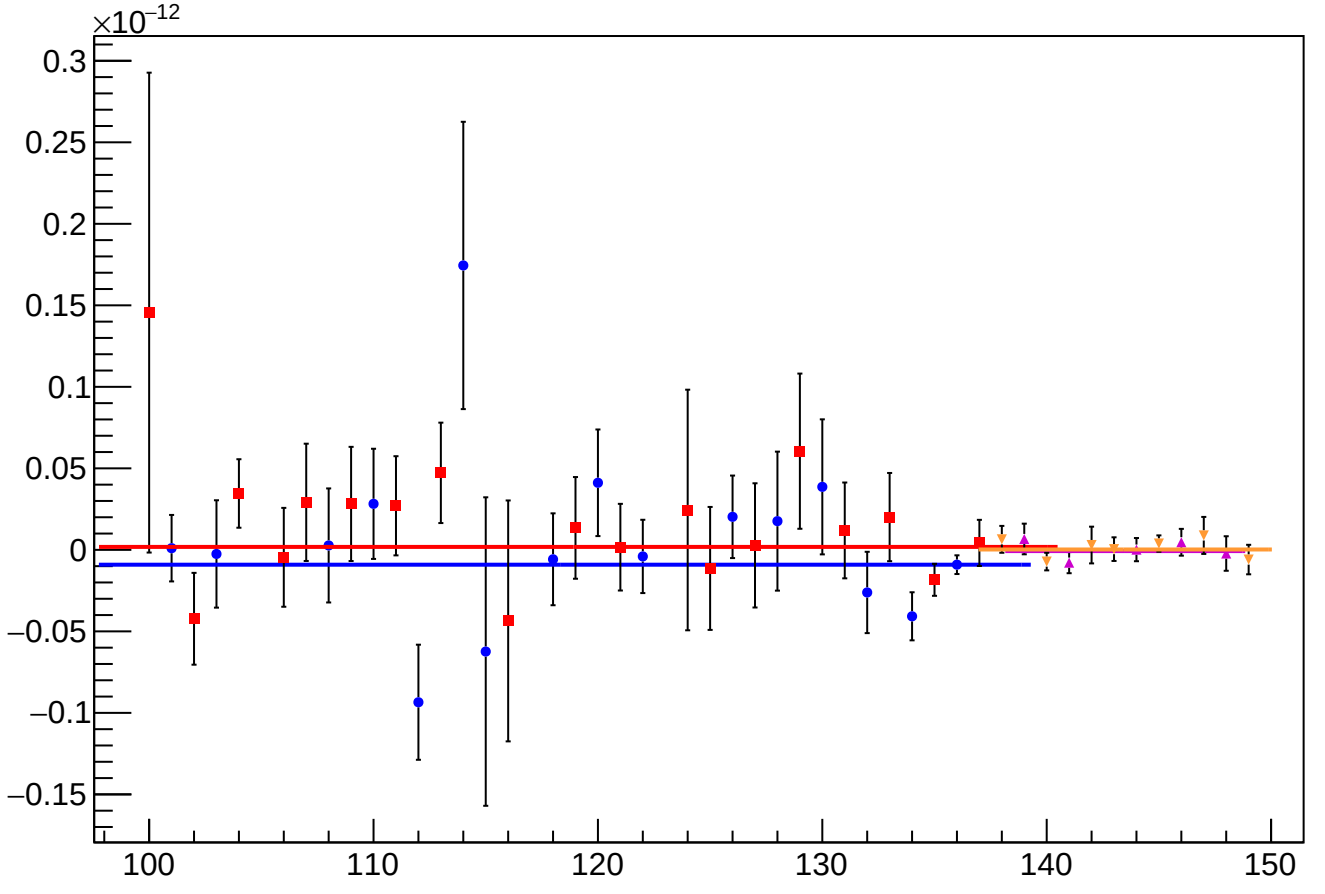
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.271+/-0.008 χ^2/NDF:260141.2/4

+ sign 21.669+/-0.005 χ^2/NDF: 1837675.2/22

All: 20.978+/-0.003 χ^2/NDF: 4609011.1/46

- sign 20.282+/-0.005 χ^2/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:4.1/6

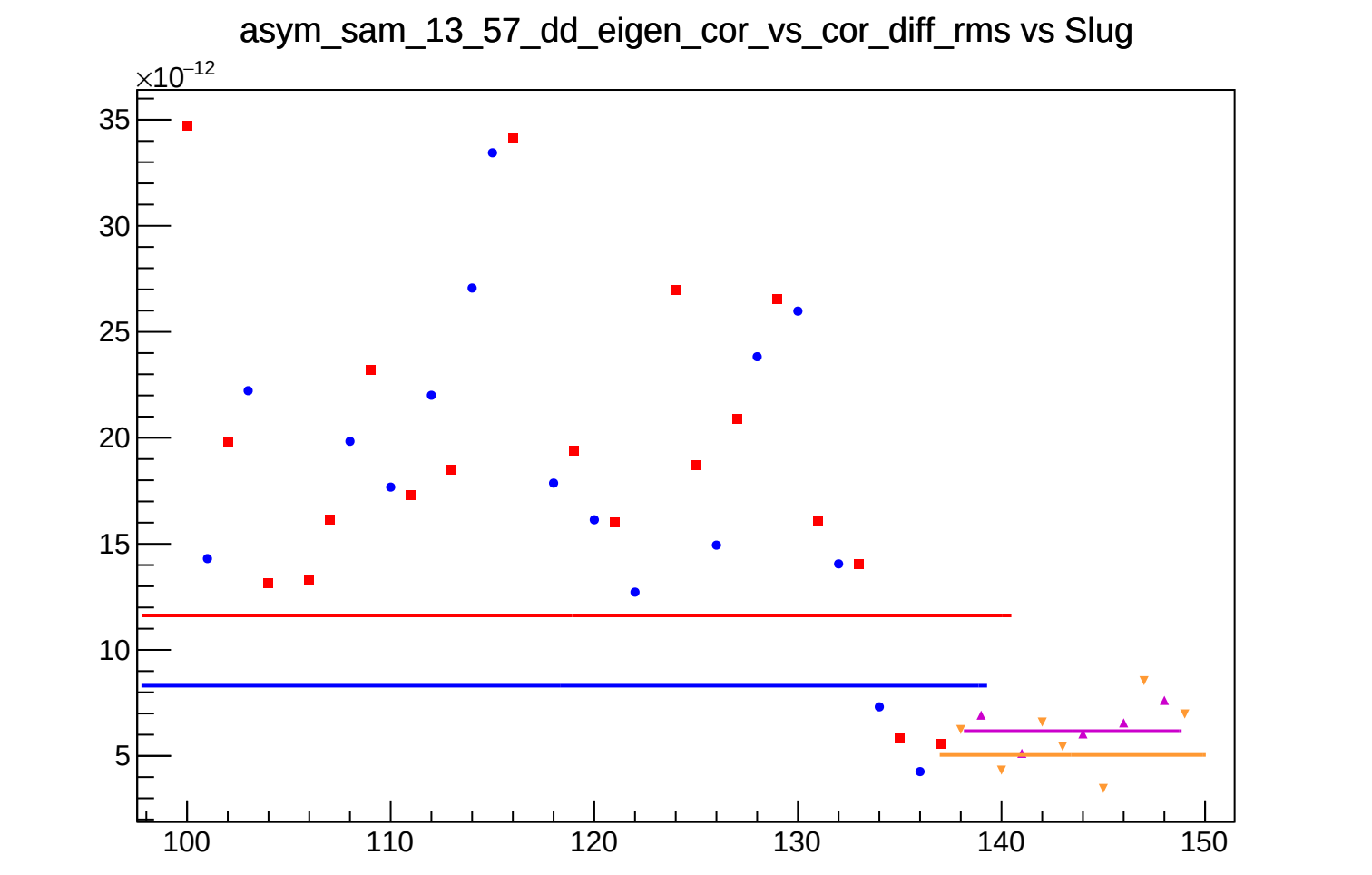
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/22

All: -0.000+/-0.000 χ^2/NDF: 49.6/46

- 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:603622.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

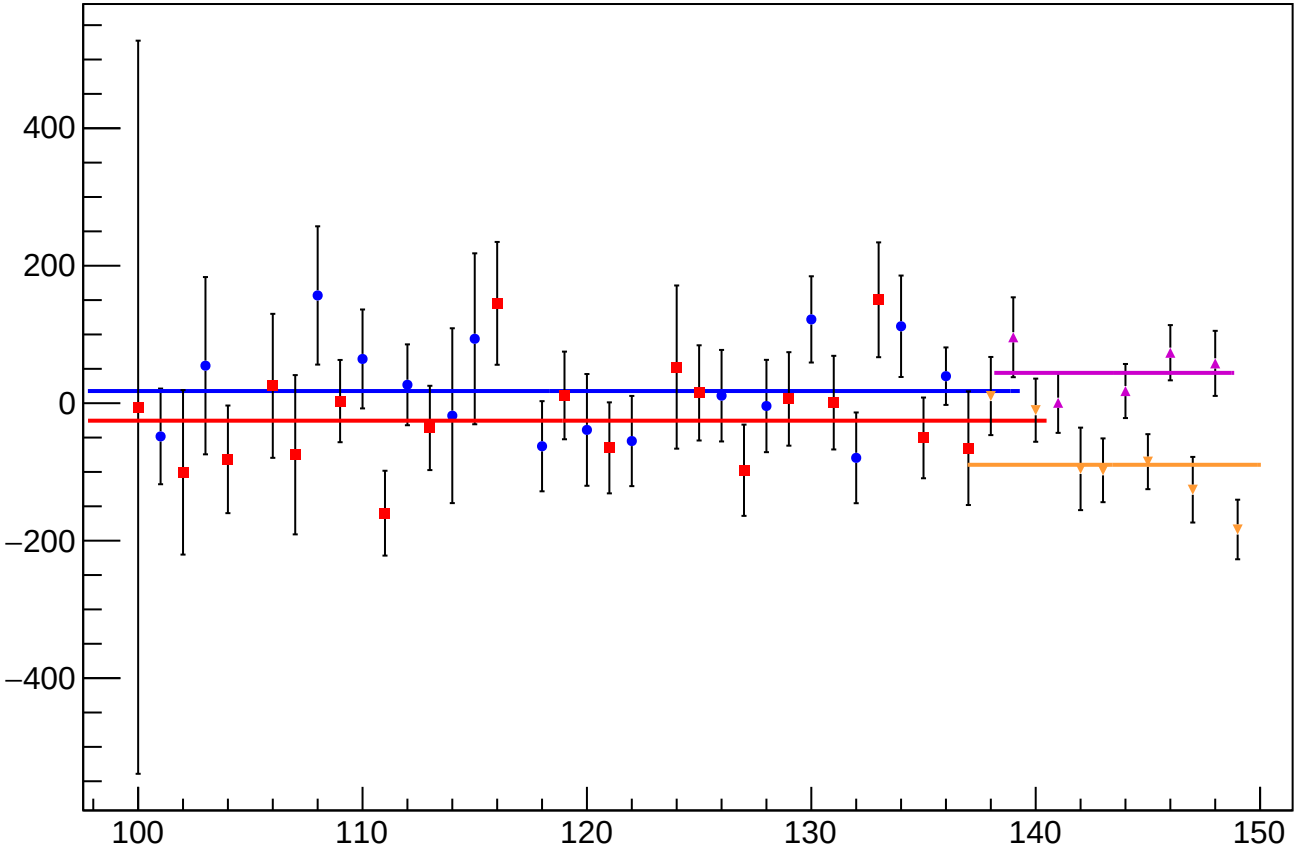
Left In: 0.000+/-0.000 χ^2/NDF:107656.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 5108273.1/22

All: 0.000+/-0.000 χ^2/NDF: 9590930.6/46

- 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: -89.606+/-17.899 χ^2/NDF:11.4/6

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

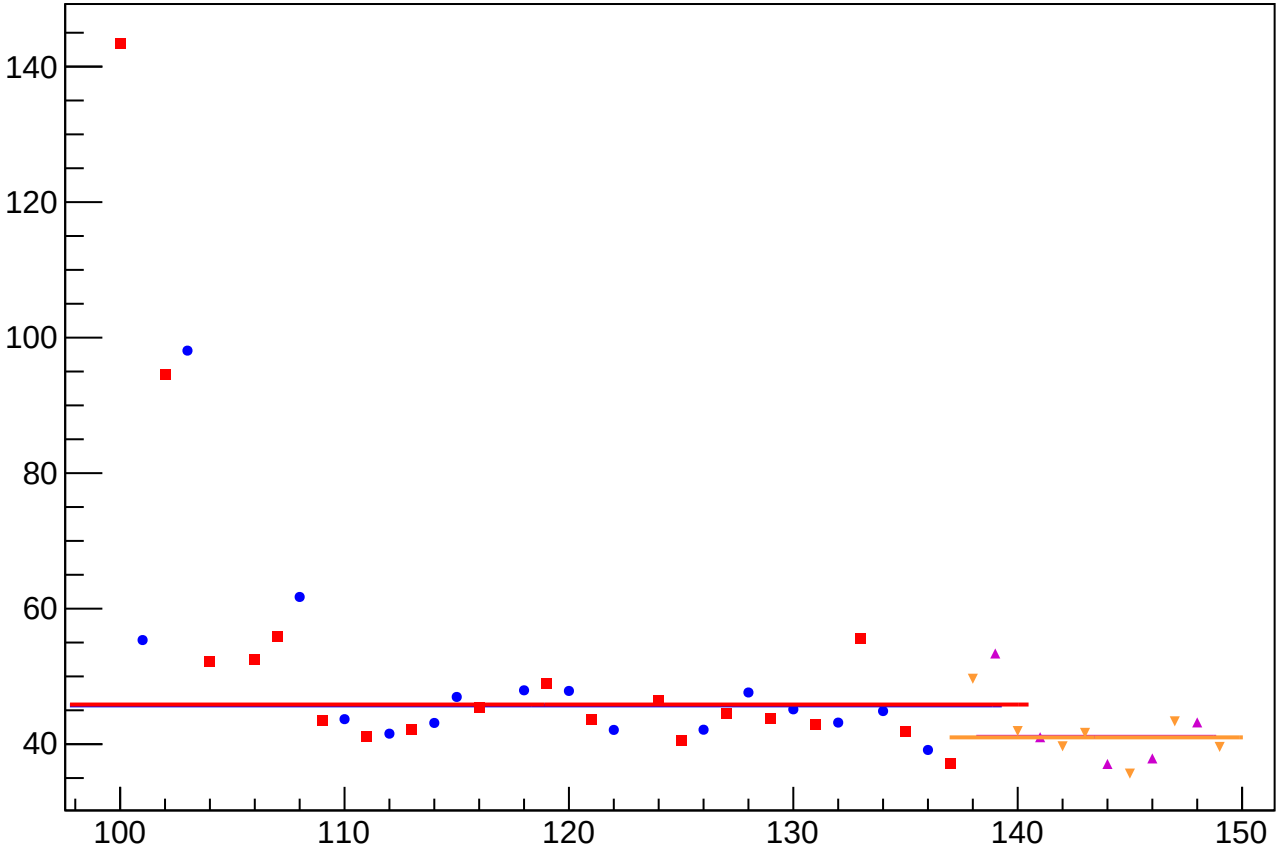
Left In: 44.113+/-19.888 χ^2/NDF:2.8/4

\+ sign -34.651+/-12.502 χ^2/NDF: 43.8/22

All: -15.898+/-9.034 χ^2/NDF: 76.1/46

\- 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: 41.005+/-0.013 χ^2/NDF:91247.3/6

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

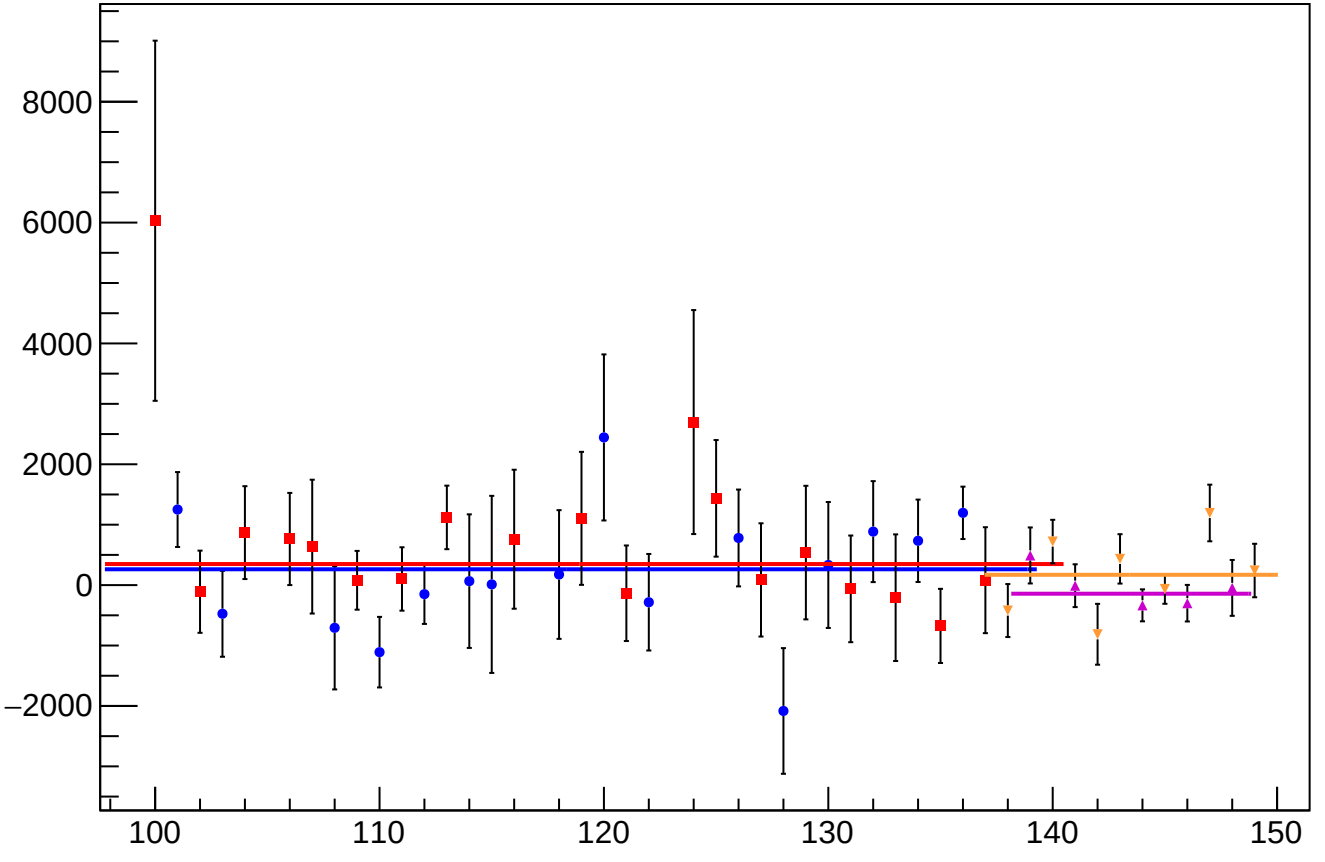
Left In: 41.086+/-0.014 χ^2/NDF:126936.7/4

+ sign 43.423+/-0.009 χ^2/NDF: 663996.5/22

All: 43.600+/-0.006 χ^2/NDF: 1397115.0/46

- 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: 170.587+/-142.706 χ^2/NDF:14.1/6

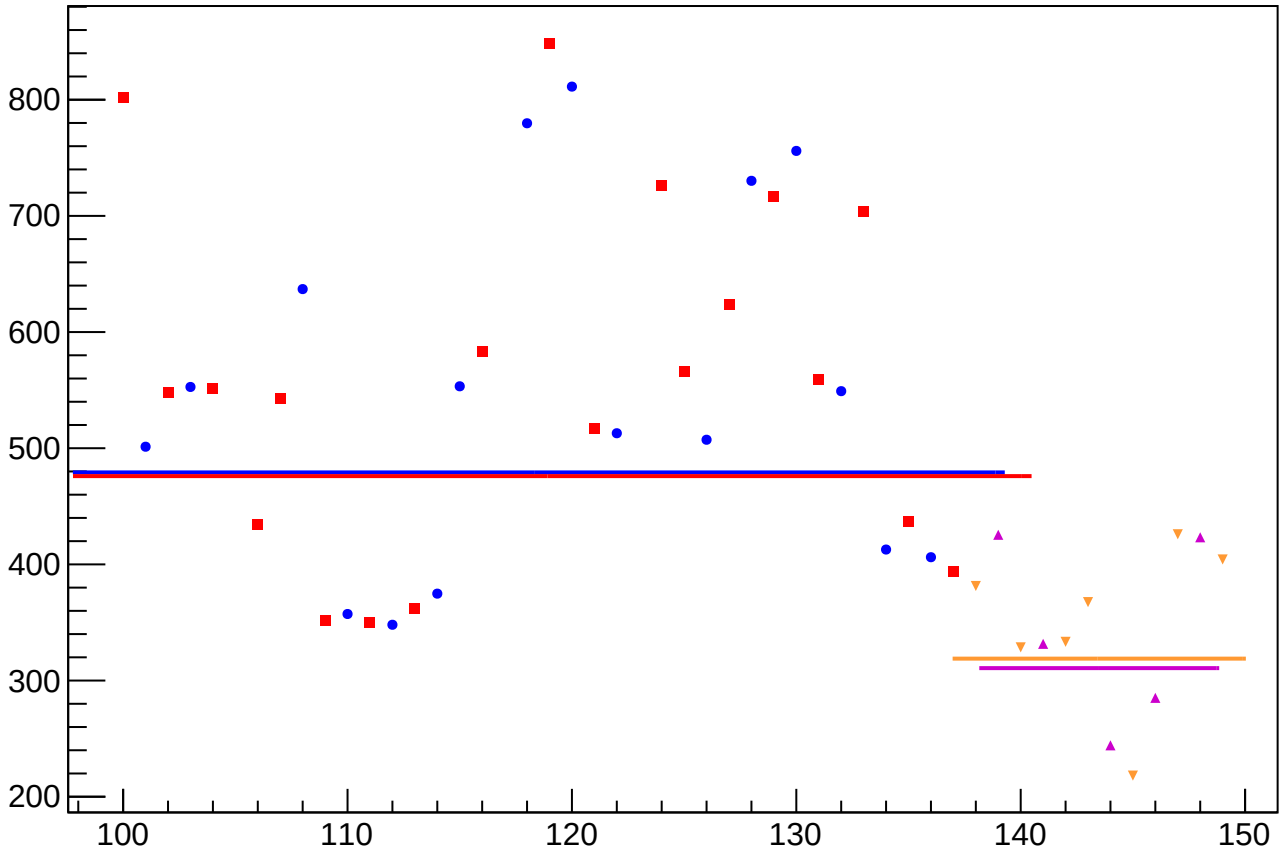
Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -142.464+/-153.410 χ^2/NDF:2.8/4

+ sign 204.619+/-113.043 χ^2/NDF: 39.2/22

All: 136.348+/-81.277 χ^2/NDF: 62.0/46

- sign 63.284+/-116.943 χ^2/NDF: 22.1/23



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 318.870+/-0.101 χ^2/NDF:587476.4/6

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

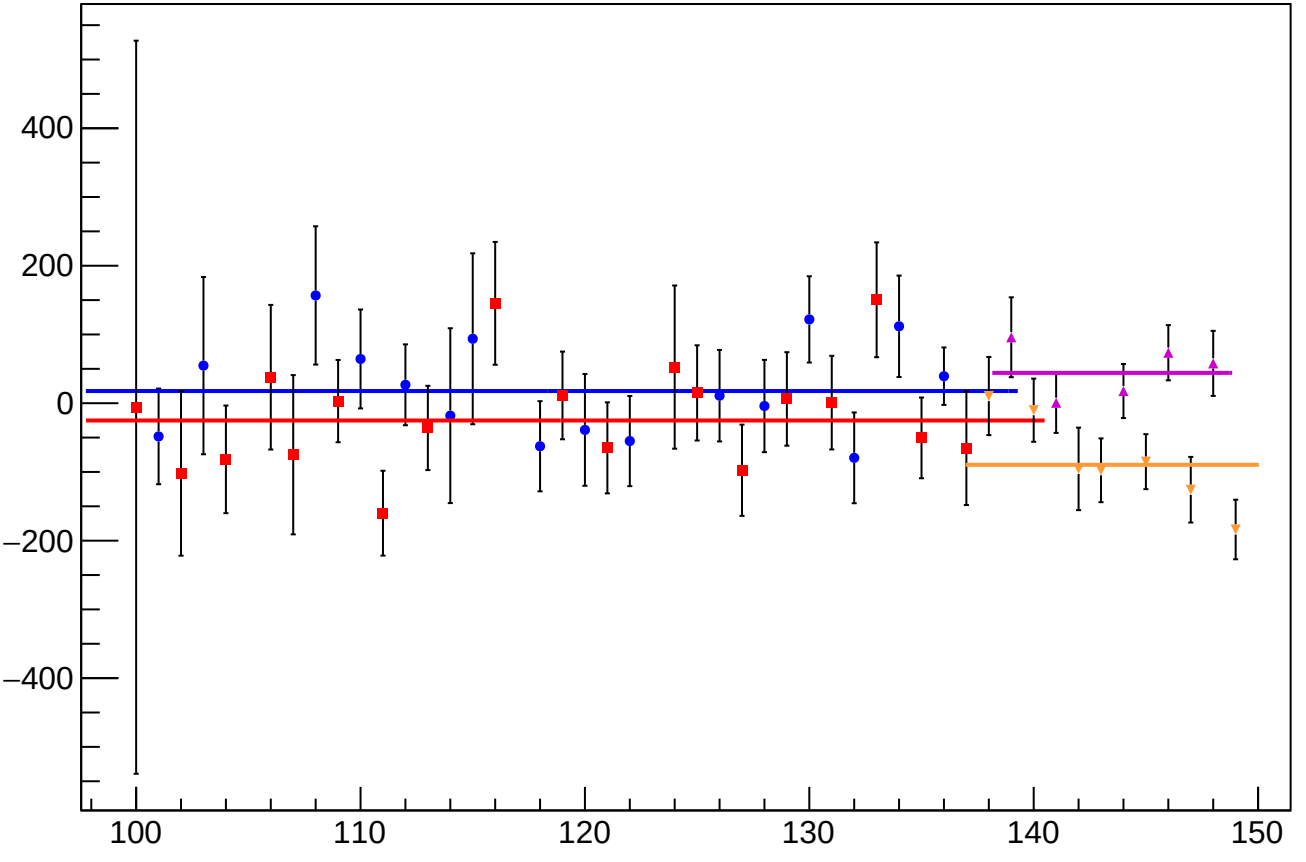
Left In: 310.697+/-0.108 χ^2/NDF:388694.3/4

+ sign 378.588+/-0.080 χ^2/NDF: 2480329.4/22

All: 379.242+/-0.057 χ^2/NDF: 4848309.0/46

- 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: -89.607+/-17.899 χ^2/NDF:11.4/6

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

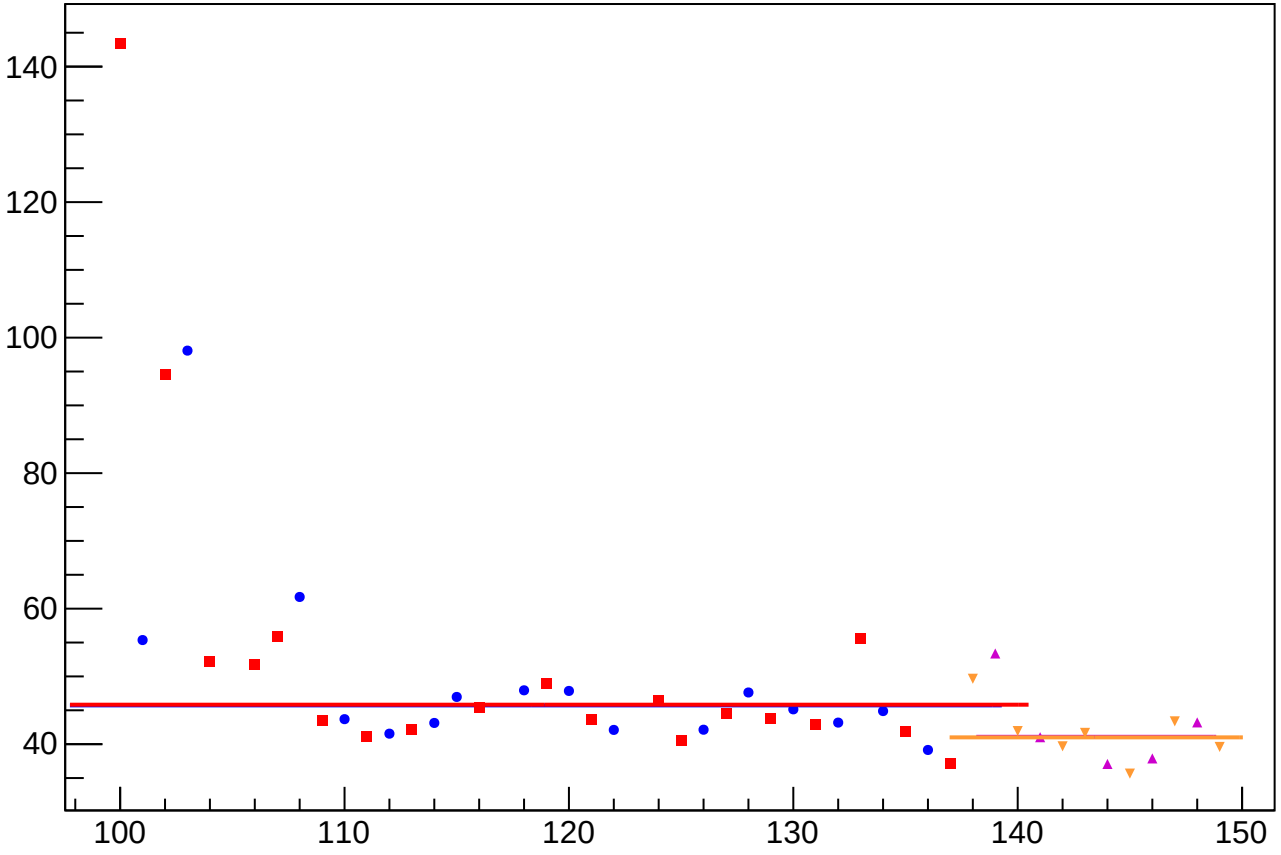
Left In: 44.109+/-19.888 χ^2/NDF:2.8/4

+ sign -34.649+/-12.502 χ^2/NDF: 43.8/22

All: -15.817+/-9.034 χ^2/NDF: 76.3/46

- 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: 41.005+/-0.013 χ^2/NDF:91247.3/6

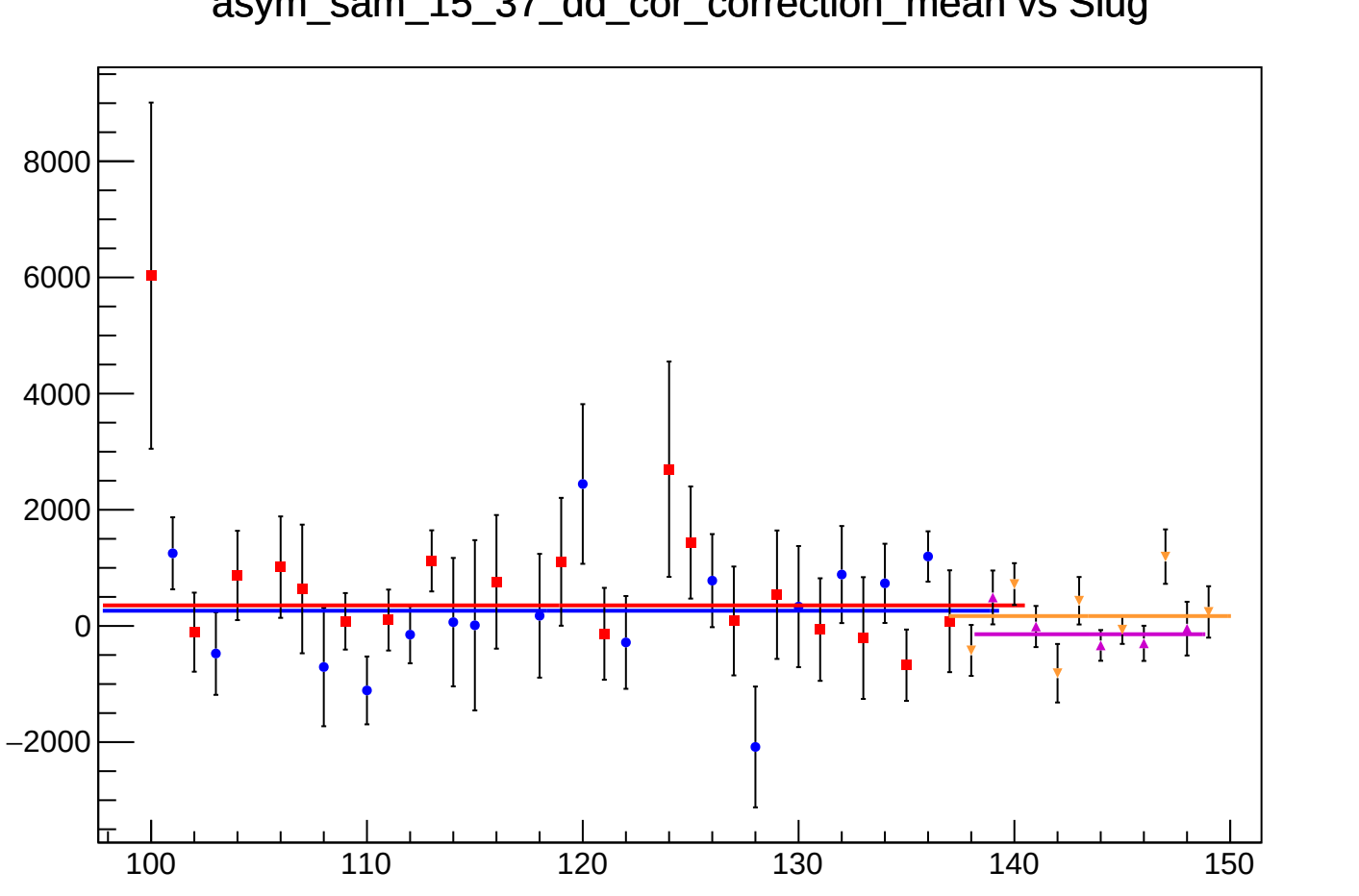
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.086+/-0.014 χ^2/NDF:126936.7/4

+ sign 43.423+/-0.009 χ^2/NDF: 663999.5/22

All: 43.593+/-0.006 χ^2/NDF: 1394711.4/46

- 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: 170.585+/-142.706 χ^2/NDF:14.1/6

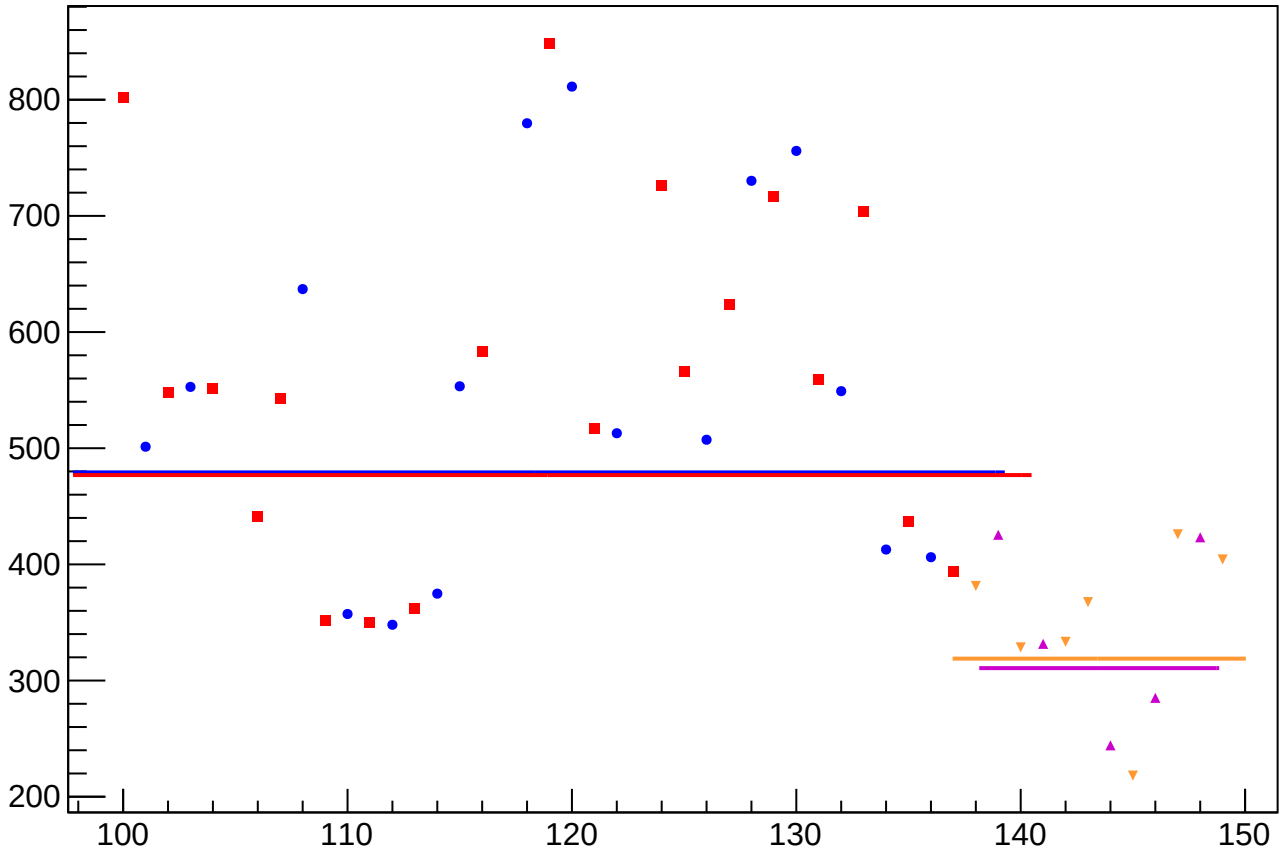
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -142.465+/-153.410 χ^2/NDF:2.8/4

+ sign 204.619+/-113.043 χ^2/NDF: 39.2/22

All: 136.876+/-81.388 χ^2/NDF: 62.4/46

- 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: 318.870+/-0.101 χ^2/NDF:587476.0/6

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

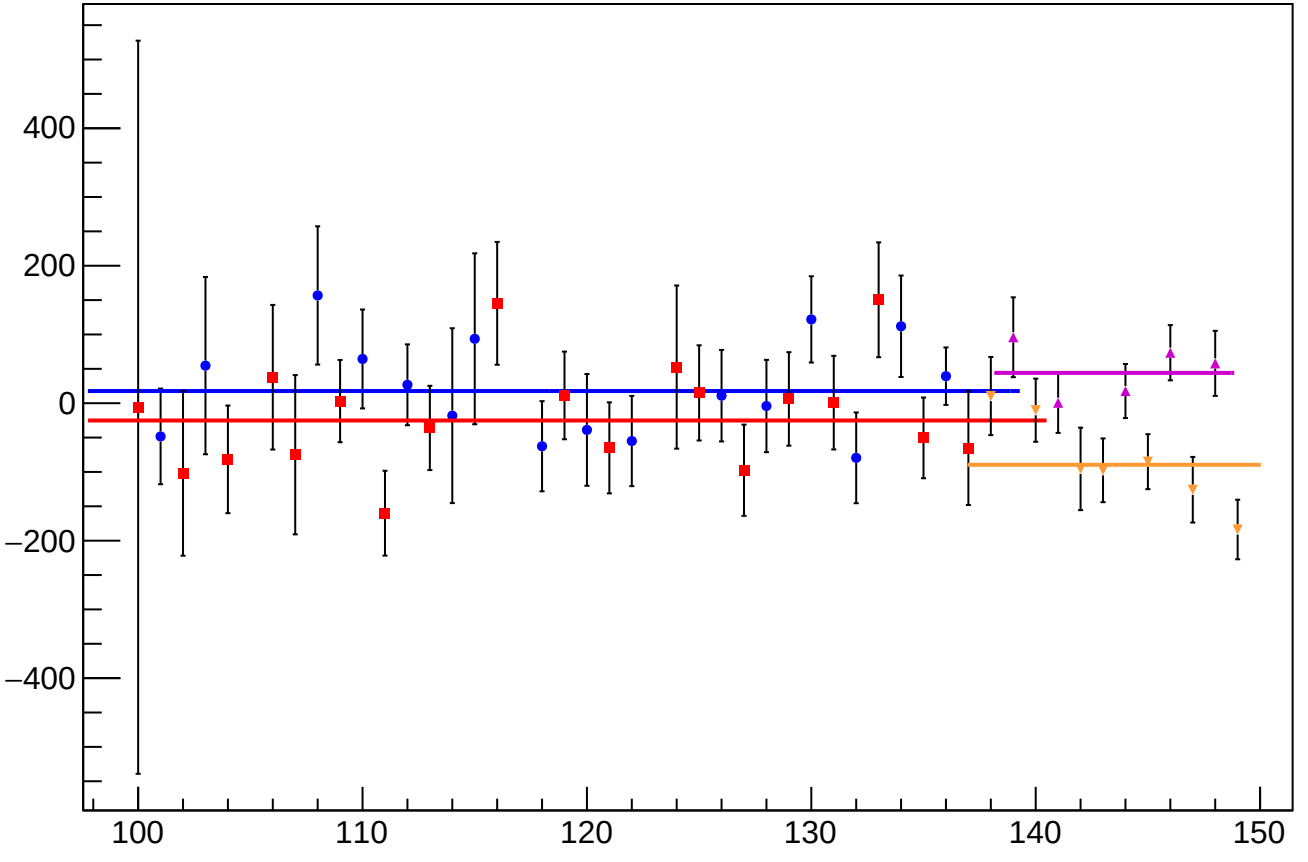
Left In: 310.697+/-0.108 χ^2/NDF:388695.6/4

\+ sign 378.589+/-0.080 χ^2/NDF: 2480378.6/22

All: 379.160+/-0.058 χ^2/NDF: 4848551.0/46

\- 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: -89.607+/-17.899 χ^2/NDF:11.4/6

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

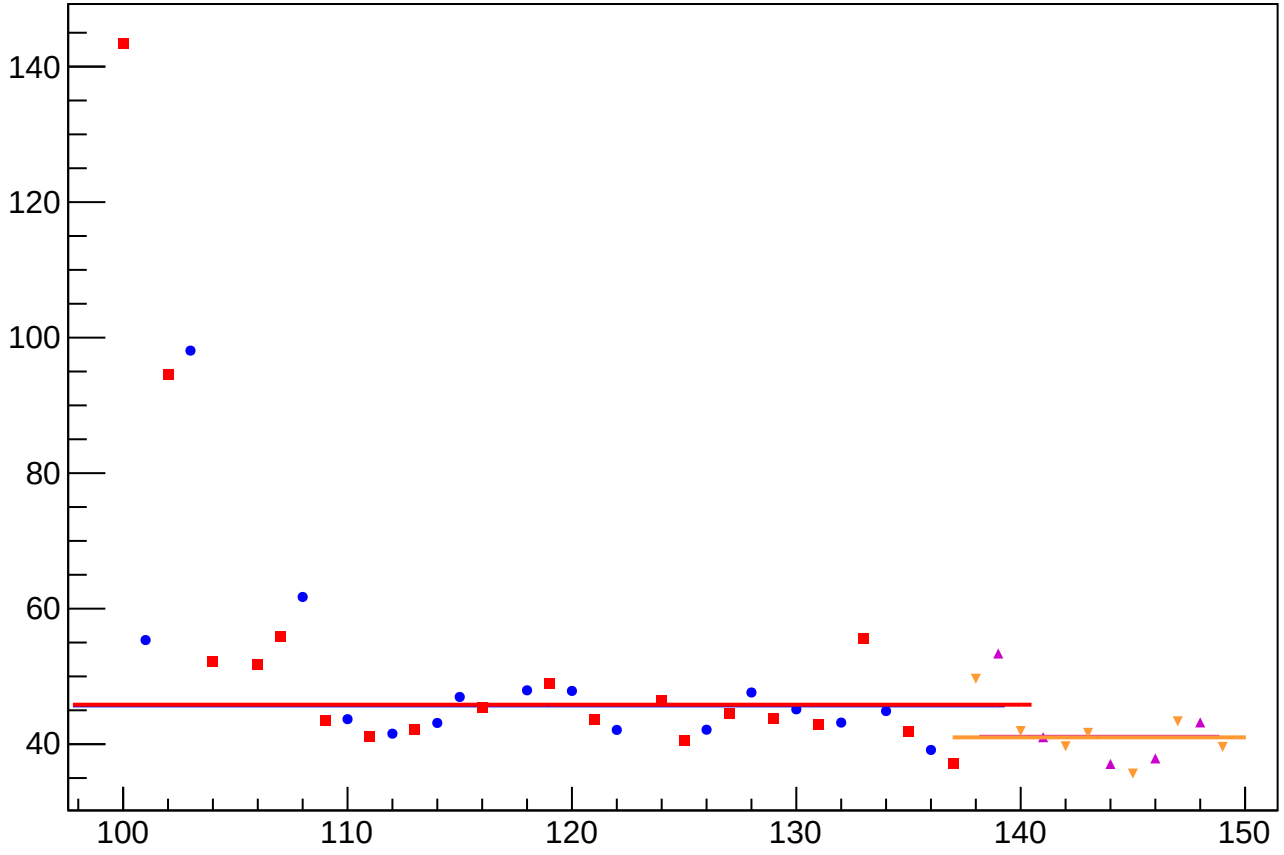
Left In: 44.109+/-19.888 χ^2/NDF:2.8/4

+ sign -34.649+/-12.502 χ^2/NDF: 43.8/22

All: -15.817+/-9.034 χ^2/NDF: 76.3/46

- 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: 41.005+/-0.013 χ^2/NDF:91247.3/6

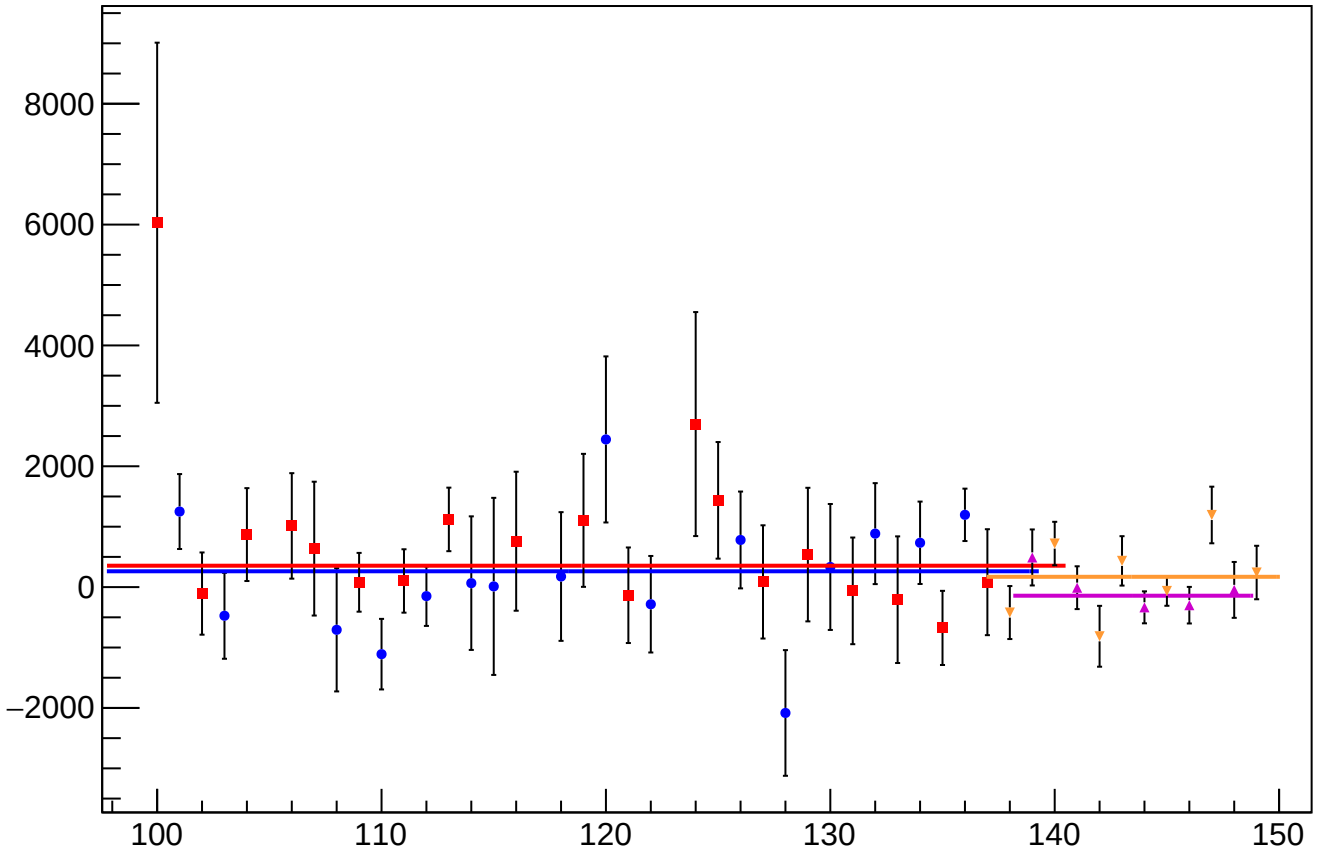
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.086+/-0.014 χ^2/NDF:126936.7/4

+ sign 43.423+/-0.009 χ^2/NDF: 663999.5/22

All: 43.593+/-0.006 χ^2/NDF: 1394711.4/46

- 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: 170.585+/-142.706 χ^2/NDF:14.1/6

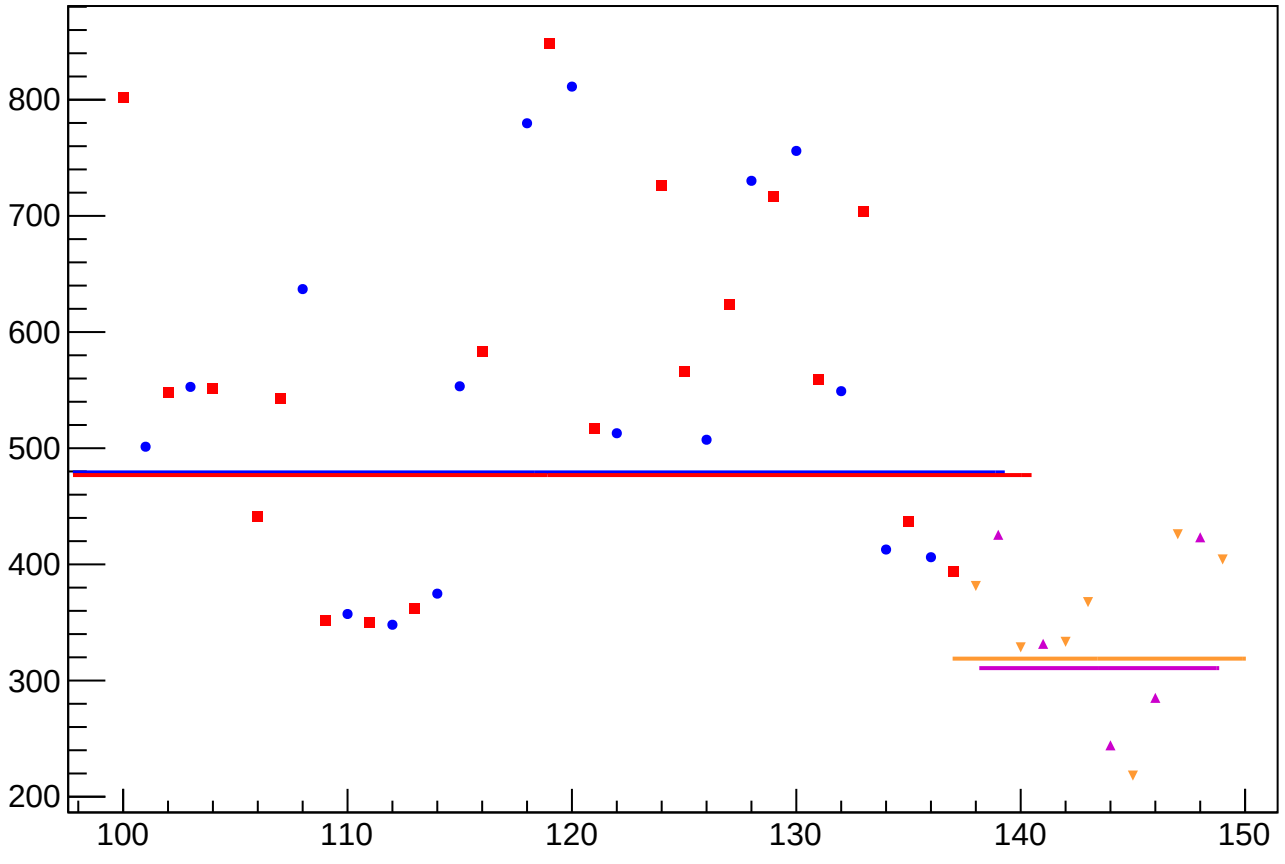
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -142.465+/-153.410 χ^2/NDF:2.8/4

+ sign 204.619+/-113.043 χ^2/NDF: 39.2/22

All: 136.876+/-81.388 χ^2/NDF: 62.4/46

- 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: 318.870+/-0.101 χ^2/NDF:587476.0/6

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

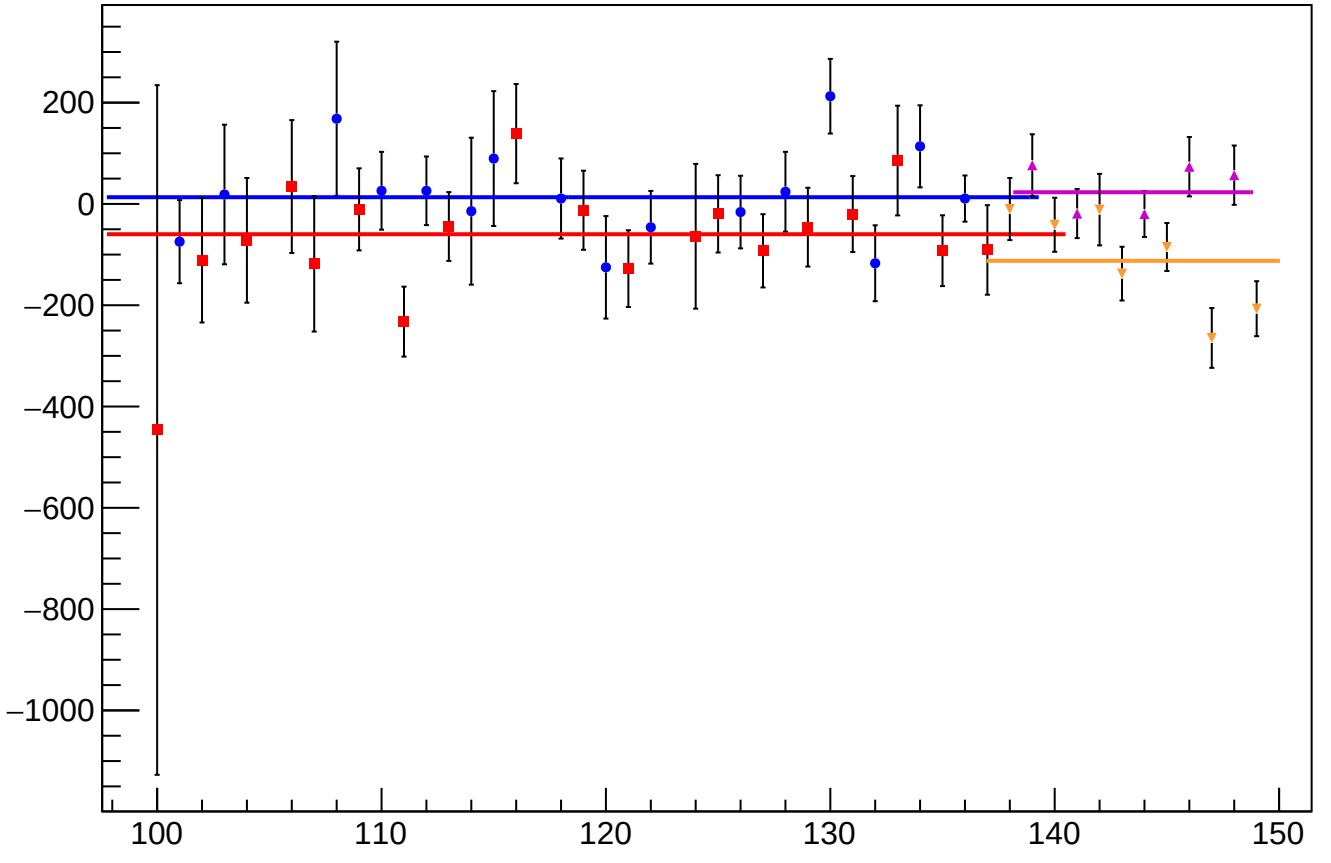
Left In: 310.697+/-0.108 χ^2/NDF:388695.6/4

\+ sign 378.589+/-0.080 χ^2/NDF: 2480378.6/22

All: 379.160+/-0.058 χ^2/NDF: 4848551.0/46

\- 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: -112.338+/-21.105 χ^2/NDF:16.9/6

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

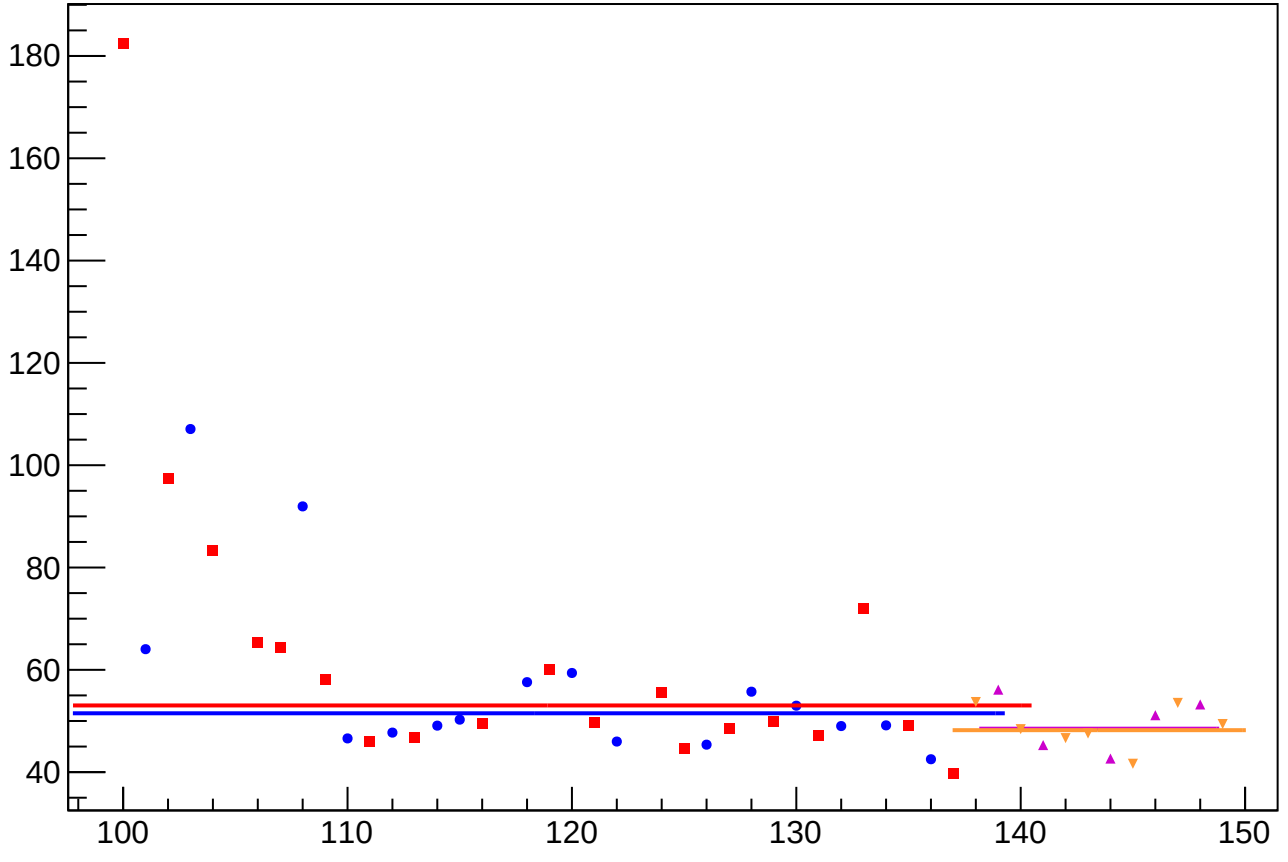
Left In: 23.086+/-23.827 χ^2/NDF:3.5/4

+ sign -45.688+/-14.459 χ^2/NDF: 52.9/22

All: -36.047+/-10.548 χ^2/NDF: 80.4/46

- 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: 48.204+/-0.015 χ^2/NDF:73049.5/6

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

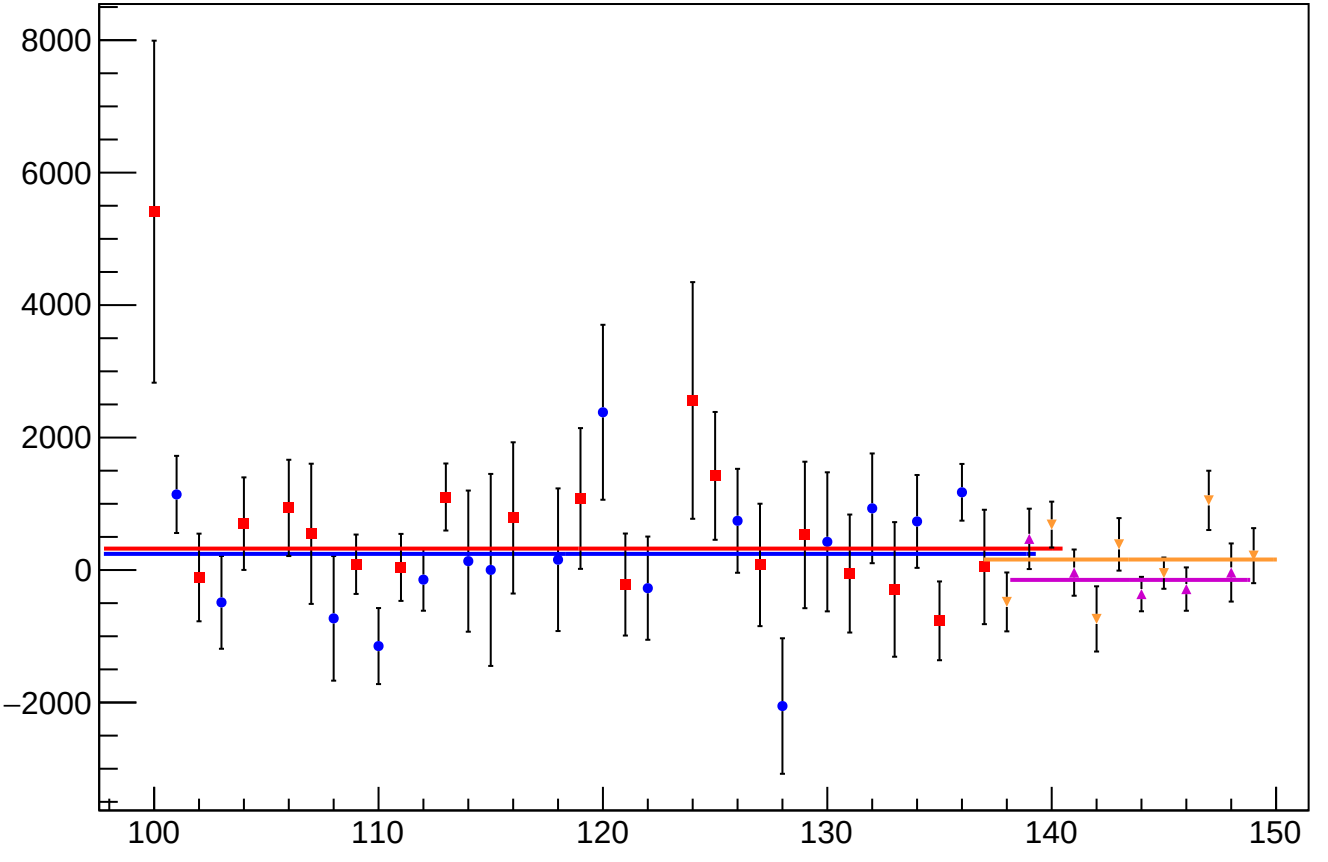
Left In: 48.495+/-0.017 χ^2/NDF:90144.1/4

+ sign 49.956+/-0.010 χ^2/NDF: 766087.2/22

All: 50.507+/-0.007 χ^2/NDF: 1617591.6/46

- 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: 158.760+/-137.831 χ^2/NDF:12.8/6

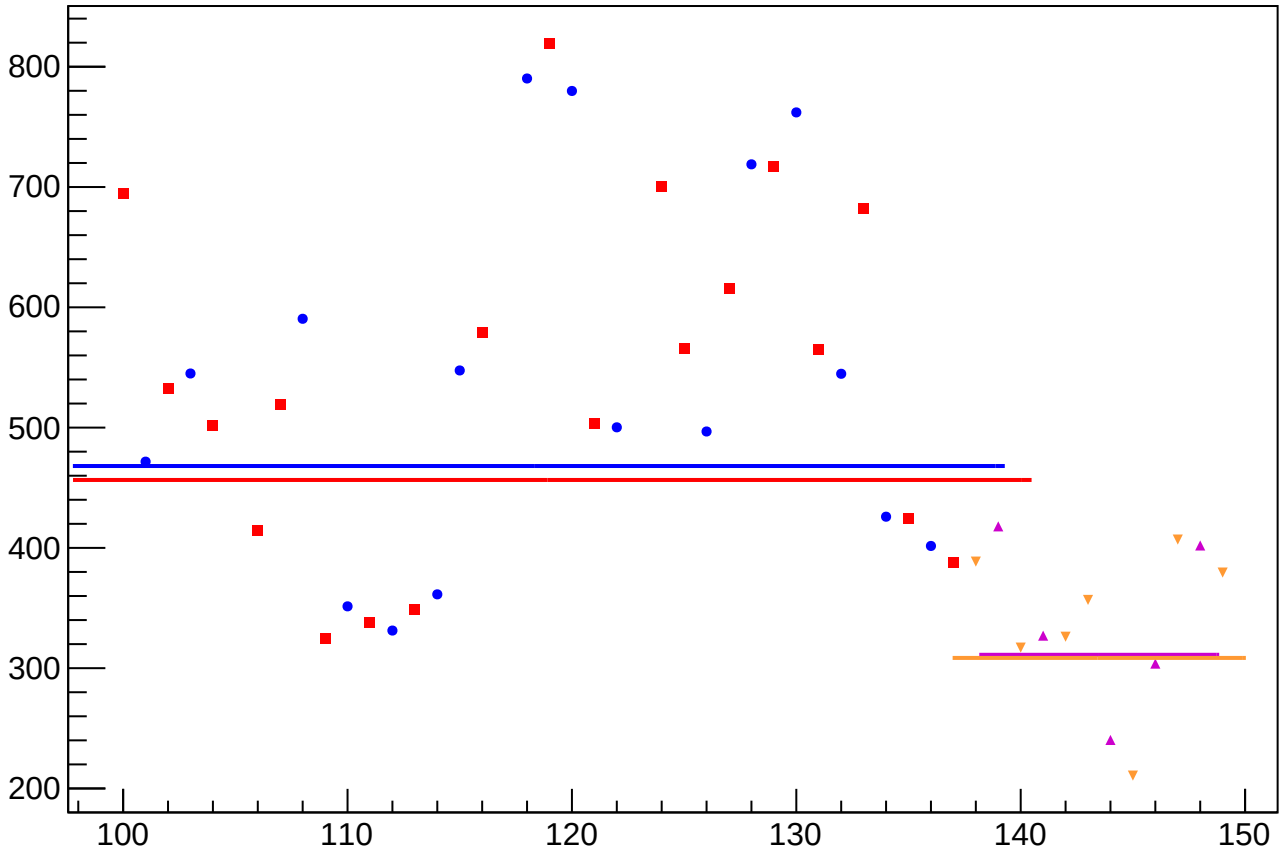
Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: -148.909+/-153.631 χ^2/NDF:2.9/4

+ sign 190.011+/-109.628 χ^2/NDF: 38.5/22

All: 127.474+/-79.369 χ^2/NDF: 62.7/46

- sign 58.588+/-115.058 χ^2/NDF: 23.5/23



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 308.527+/-0.097 χ^2/NDF:597366.6/6

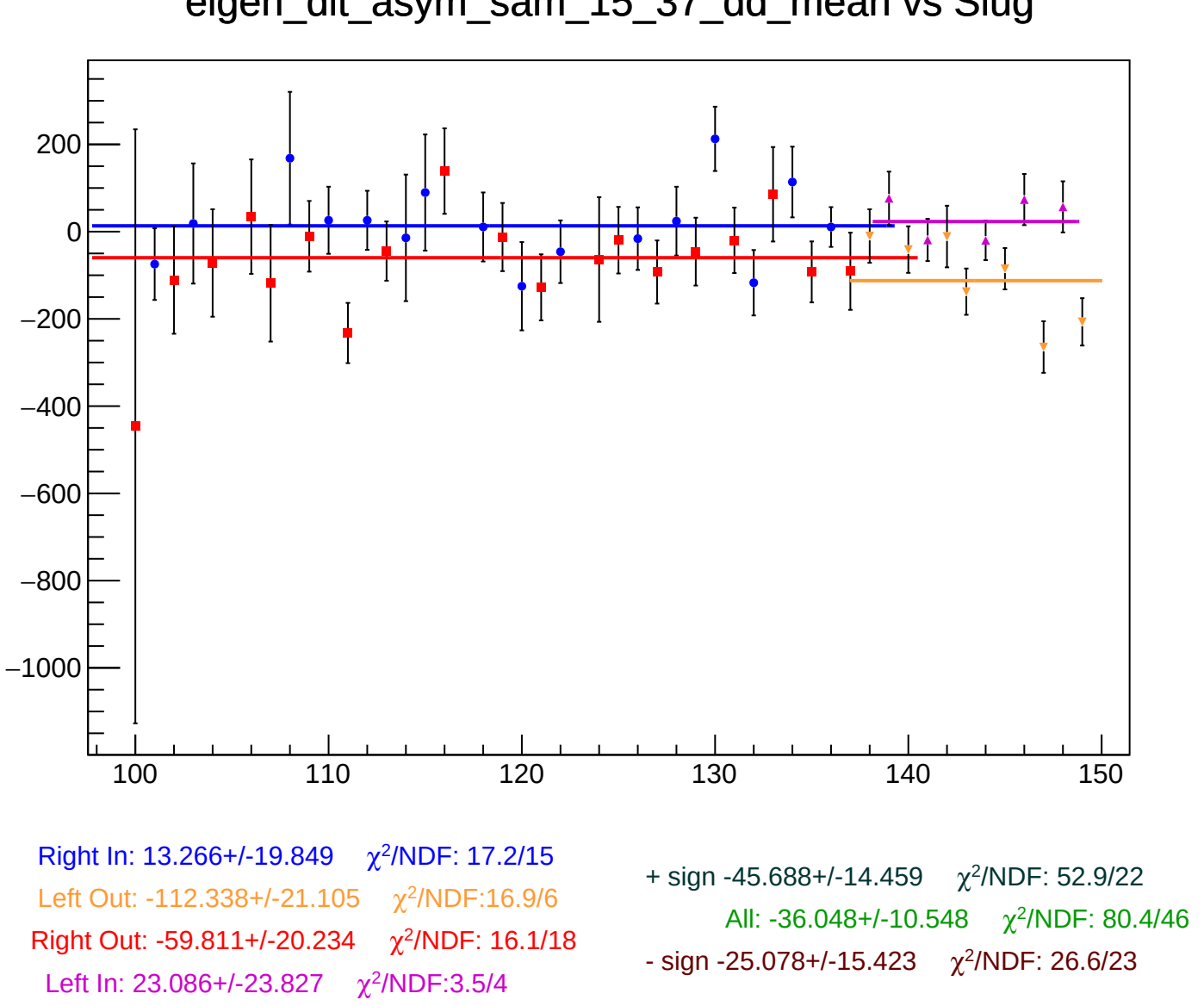
Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 311.128+/-0.109 χ^2/NDF:349087.7/4

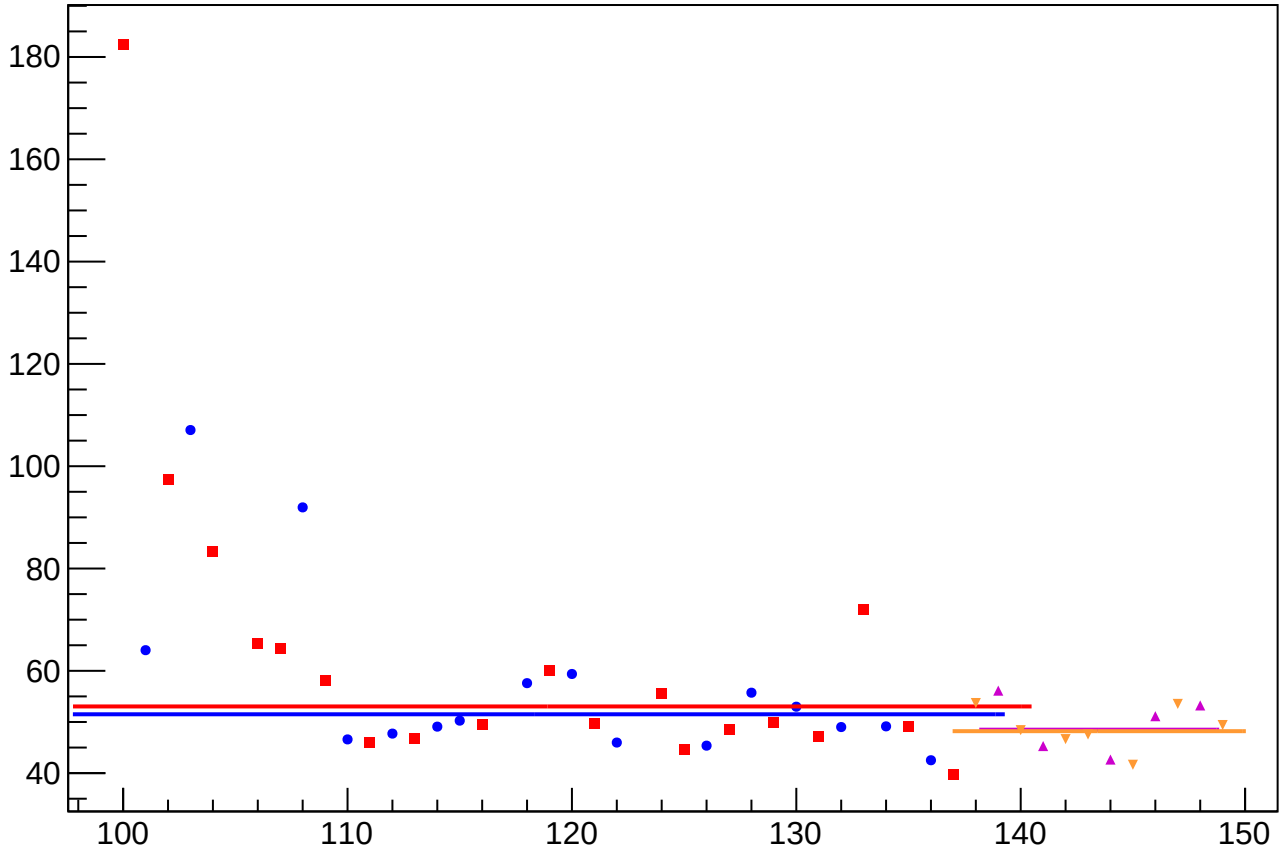
+ sign 367.137+/-0.078 χ^2/NDF: 2564674.1/22

All: 370.854+/-0.056 χ^2/NDF: 4787154.5/46

- sign 374.949+/-0.081 χ^2/NDF: 2217648.0/23


eigen_dit_asym_sam_15_37_dd_mean vs Slug
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
Right In: 13.266+/-19.849 χ²/NDF: 17.2/15
Left Out: -112.338+/-21.105 χ²/NDF:16.9/6
Right Out: -59.811+/-20.234 χ²/NDF: 16.1/18
Left In: 23.086+/-23.827 χ²/NDF:3.5/4
+ sign -45.688+/-14.459 χ²/NDF: 52.9/22
All: -36.048+/-10.548 χ²/NDF: 80.4/46
- sign -25.078+/-15.423 χ²/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: 48.204+/-0.015 χ^2/NDF:73048.9/6

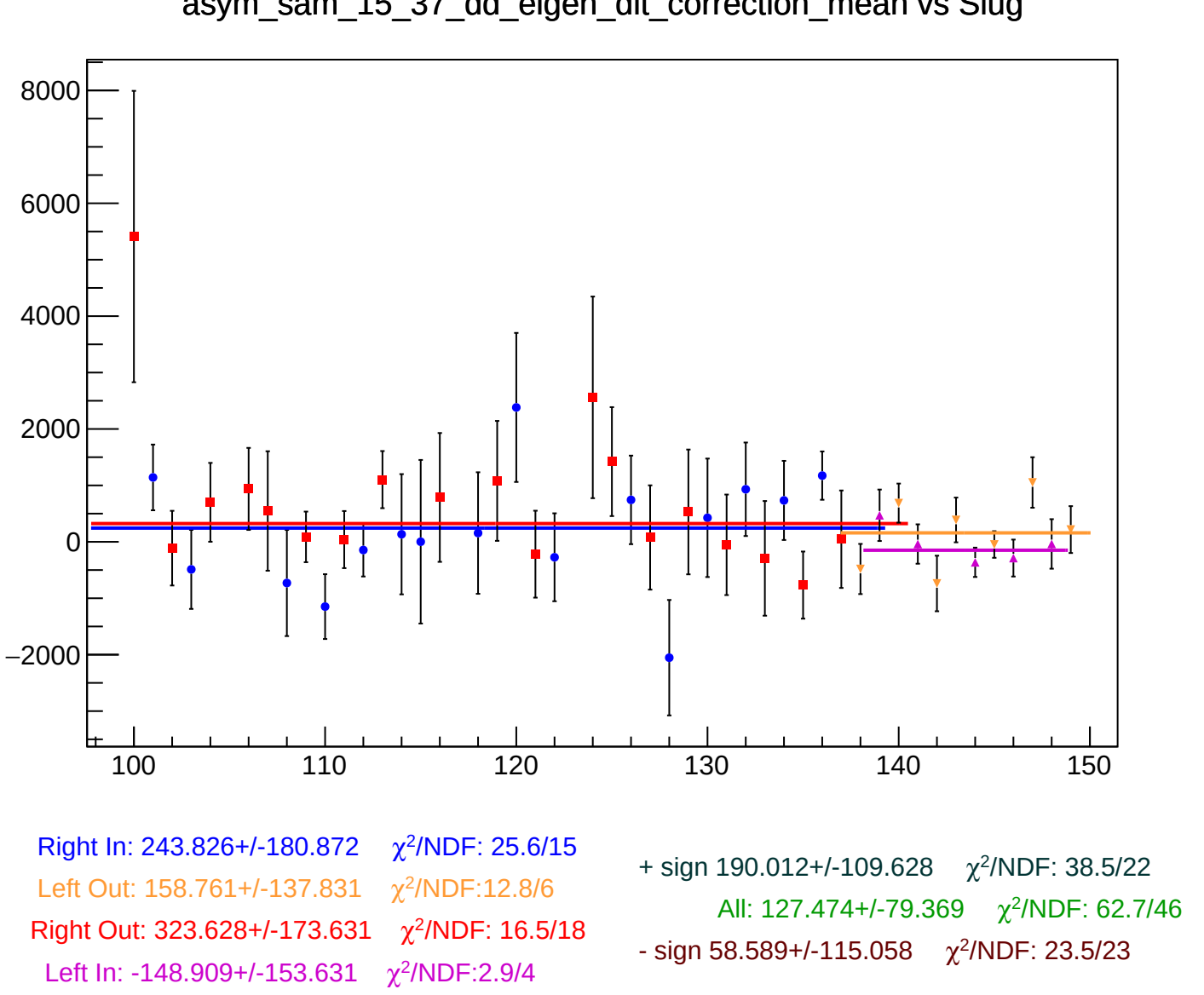
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

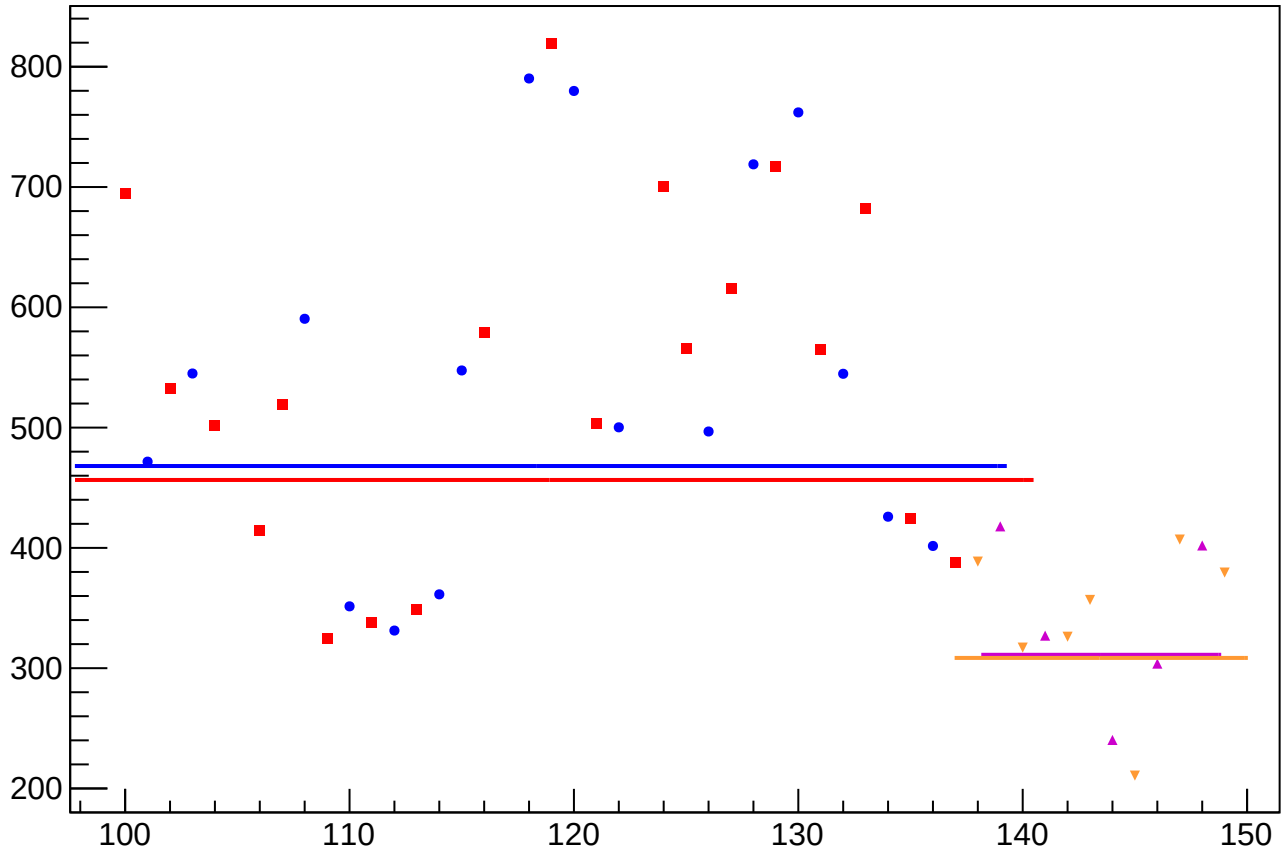
Left In: 48.495+/-0.017 χ^2/NDF:90143.6/4

+ sign 49.956+/-0.010 χ^2/NDF: 766091.5/22

All: 50.507+/-0.007 χ^2/NDF: 1617605.1/46

- sign 51.134+/-0.011 χ^2/NDF: 845300.1/23


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
Right In: 243.826+/-180.872 χ²/NDF: 25.6/15
Left Out: 158.761+/-137.831 χ²/NDF:12.8/6
Right Out: 323.628+/-173.631 χ²/NDF: 16.5/18
Left In: -148.909+/-153.631 χ²/NDF:2.9/4
+ sign 190.012+/-109.628 χ²/NDF: 38.5/22
All: 127.474+/-79.369 χ²/NDF: 62.7/46
- sign 58.589+/-115.058 χ²/NDF: 23.5/23



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 308.527+/-0.097 χ^2/NDF:597370.7/6

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

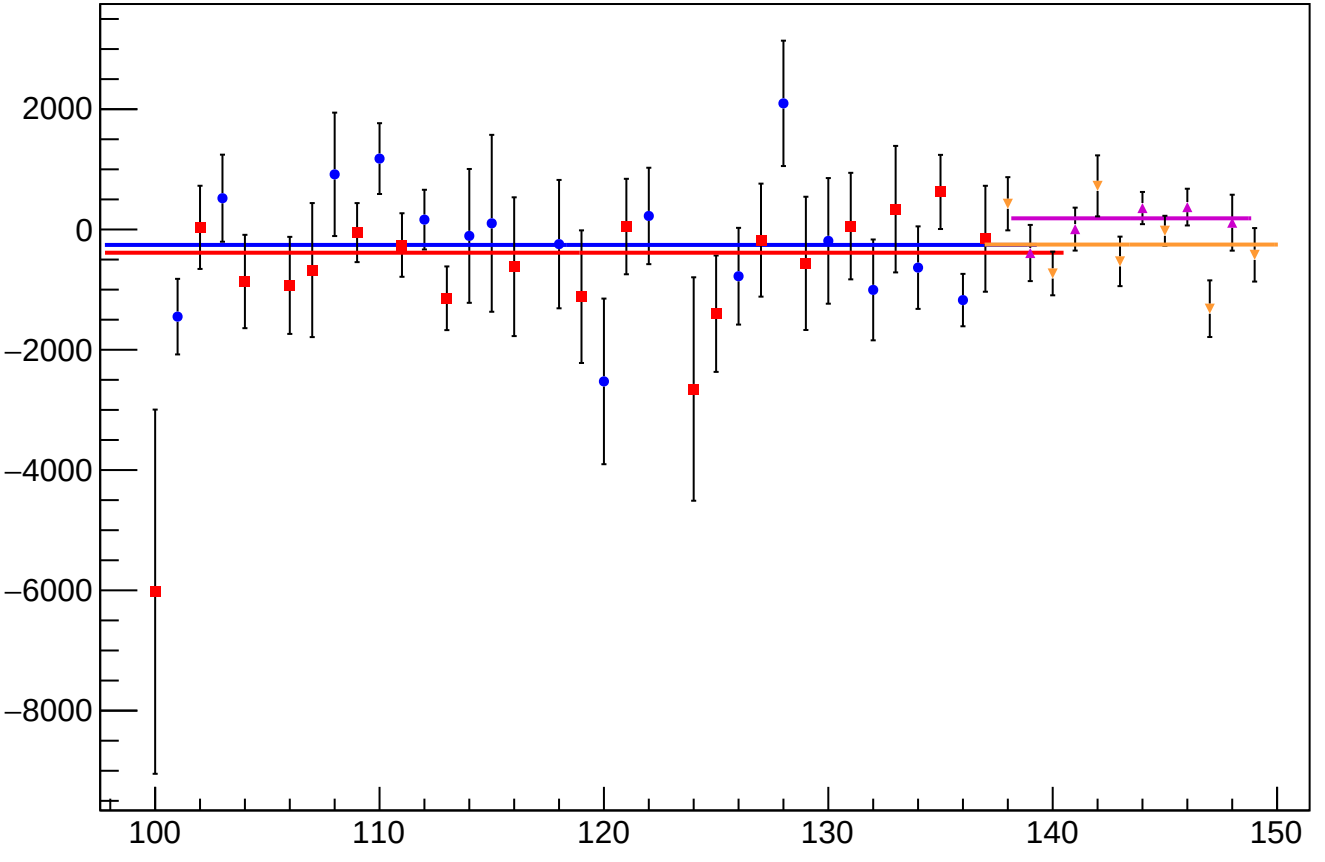
Left In: 311.128+/-0.109 χ^2/NDF:349090.0/4

+ sign 367.137+/-0.078 χ^2/NDF: 2564671.4/22

All: 370.854+/-0.056 χ^2/NDF: 4787141.6/46

- 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: -250.764+/-144.002 χ^2/NDF:14.4/6

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

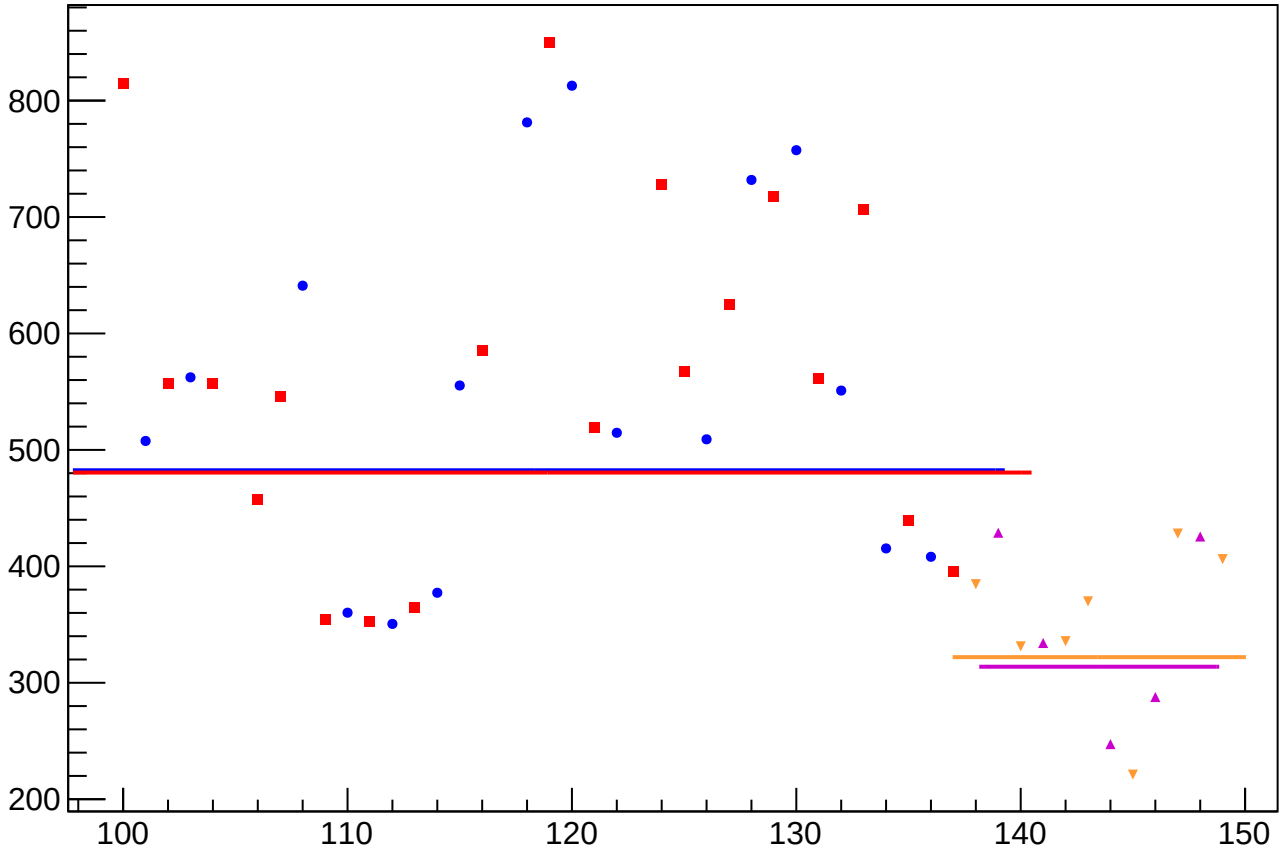
Left In: 185.432+/-154.840 χ^2/NDF:2.6/4

+ sign -253.000+/-113.971 χ^2/NDF: 41.3/22

All: -157.050+/-81.988 χ^2/NDF: 65.3/46

- 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: 322.025+/-0.102 χ^2/NDF:572032.5/6

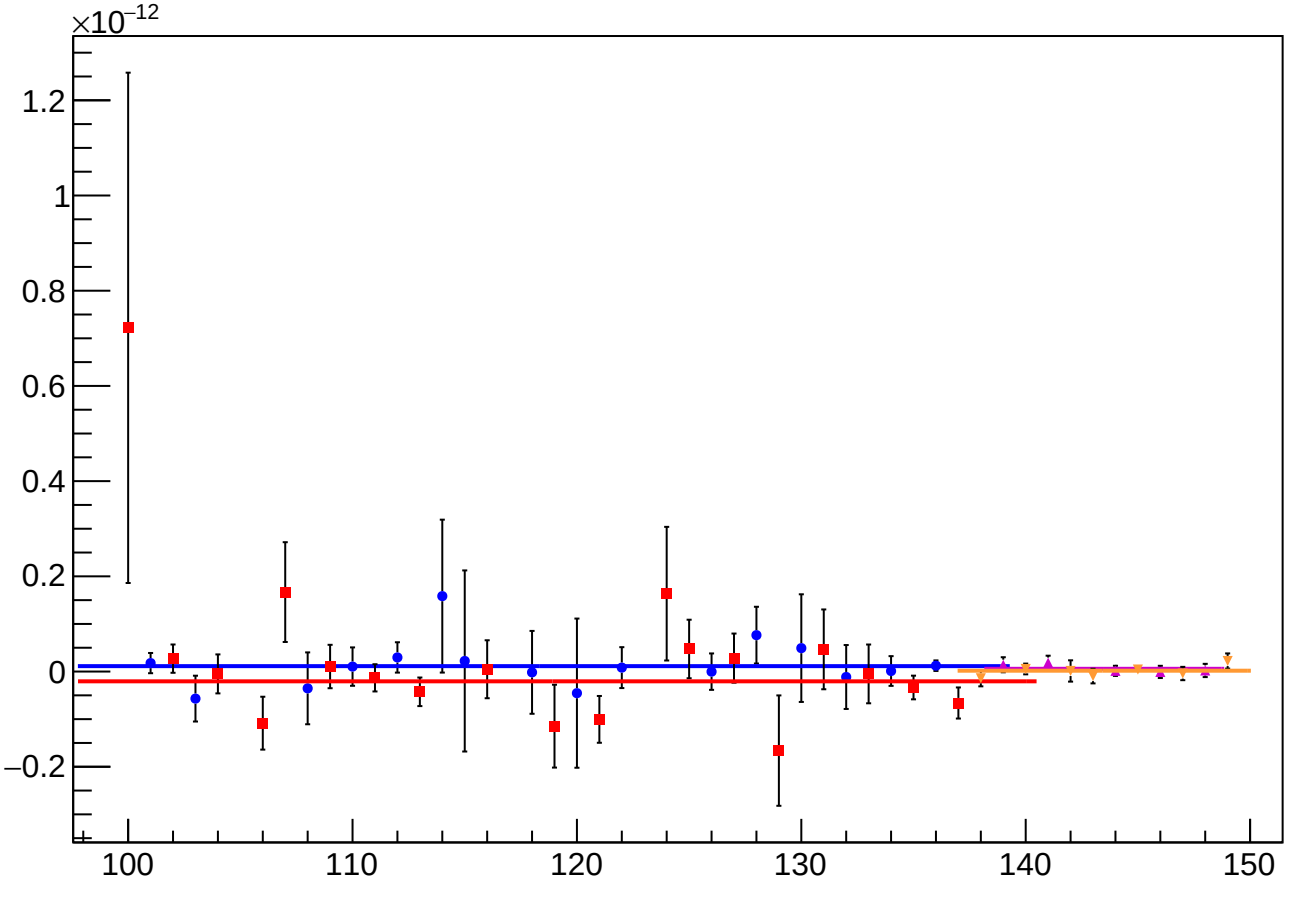
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 313.786+/-0.109 χ^2/NDF:381221.2/4

\+ sign 381.983+/-0.081 χ^2/NDF: 2446633.0/22

All: 382.788+/-0.058 χ^2/NDF: 4793808.9/46

\- 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:3.4/6

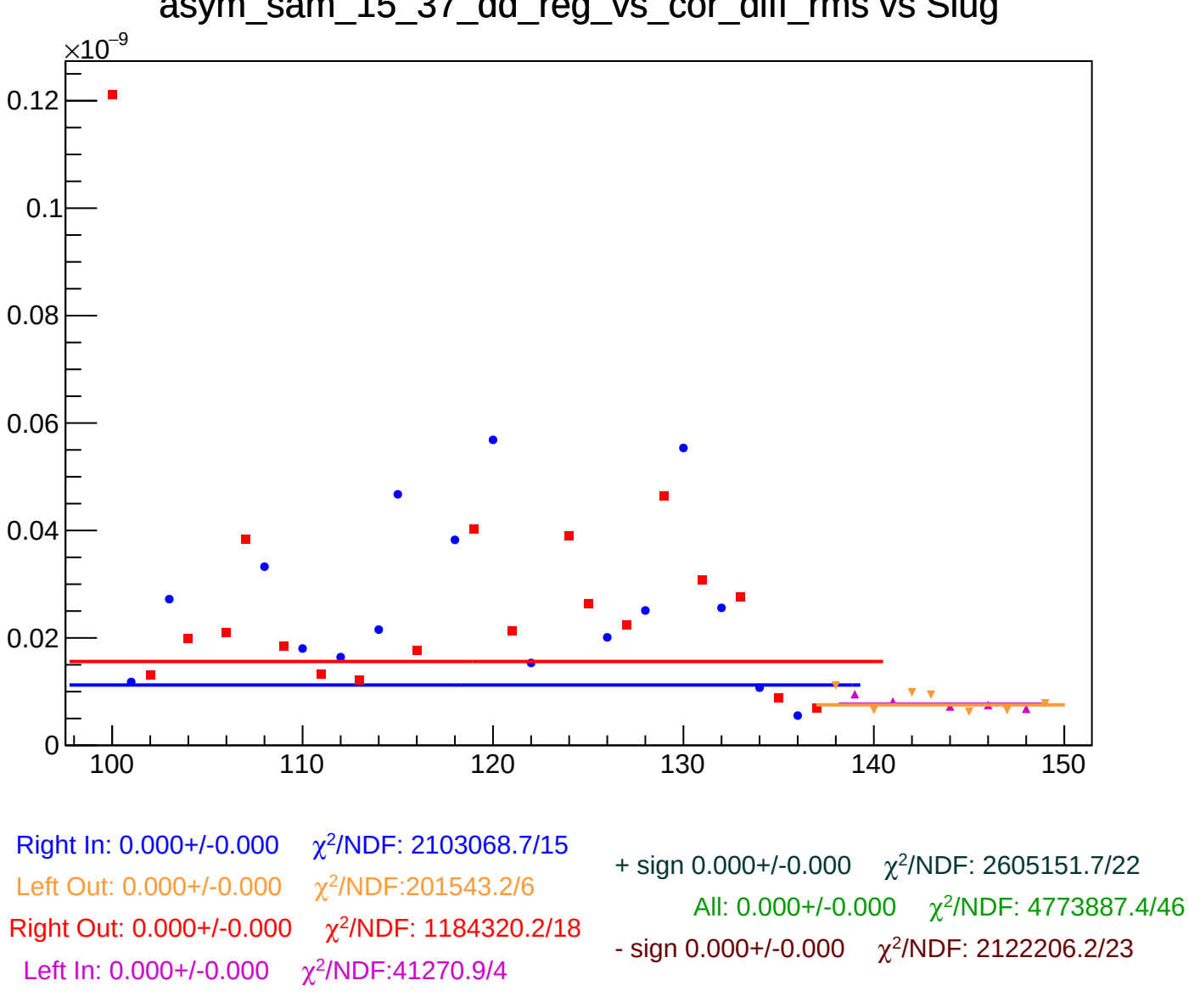
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/4

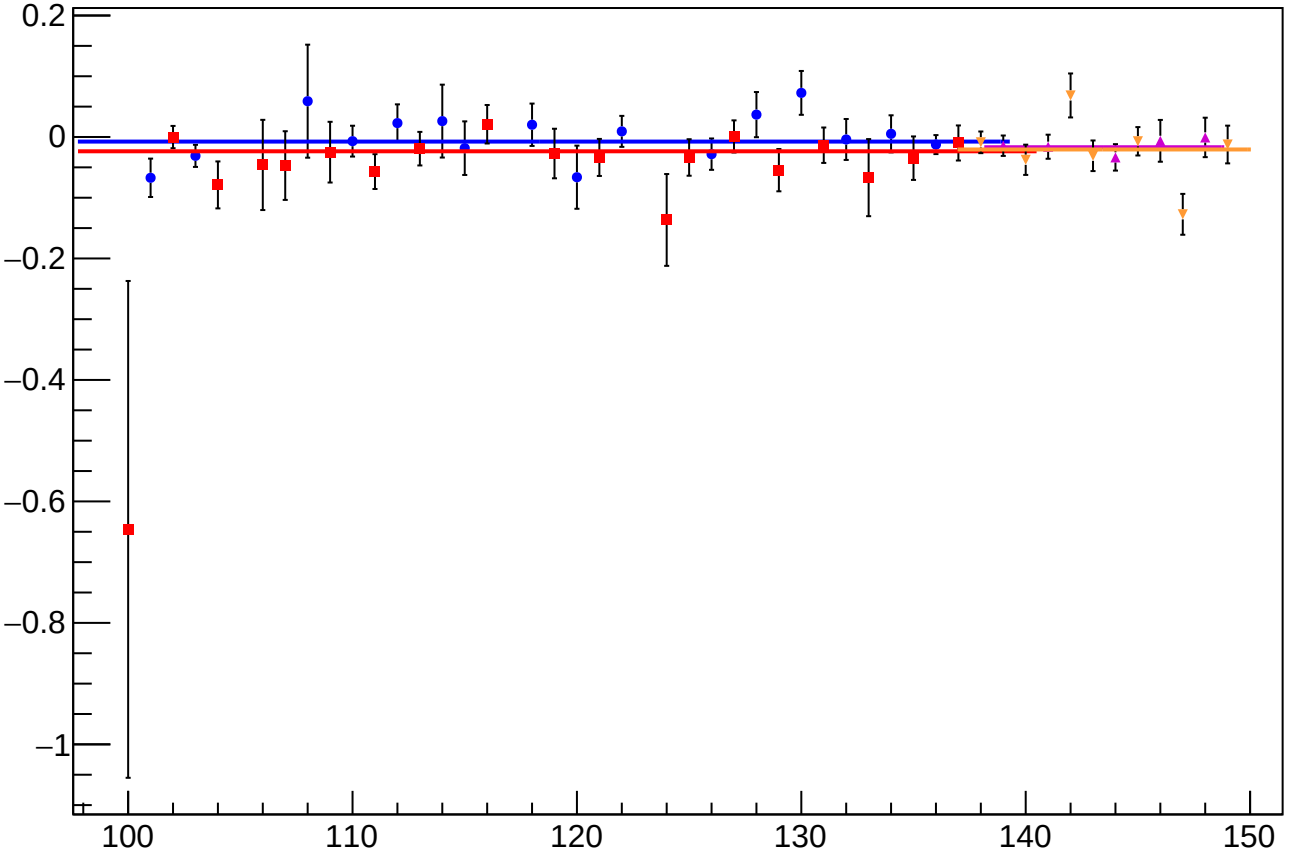
+ sign 0.000+/-0.000 χ^2/NDF: 9.9/22

All: 0.000+/-0.000 χ^2/NDF: 40.7/46

- sign -0.000+/-0.000 χ^2/NDF: 30.2/23


asym_sam_15_37_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: 2103068.7/15
Left Out: 0.000+/-0.000 χ²/NDF:201543.2/6
Right Out: 0.000+/-0.000 χ²/NDF: 1184320.2/18
Left In: 0.000+/-0.000 χ²/NDF:41270.9/4
+ sign 0.000+/-0.000 χ²/NDF: 2605151.7/22
All: 0.000+/-0.000 χ²/NDF: 4773887.4/46
- sign 0.000+/-0.000 χ²/NDF: 2122206.2/23

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.6/6

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

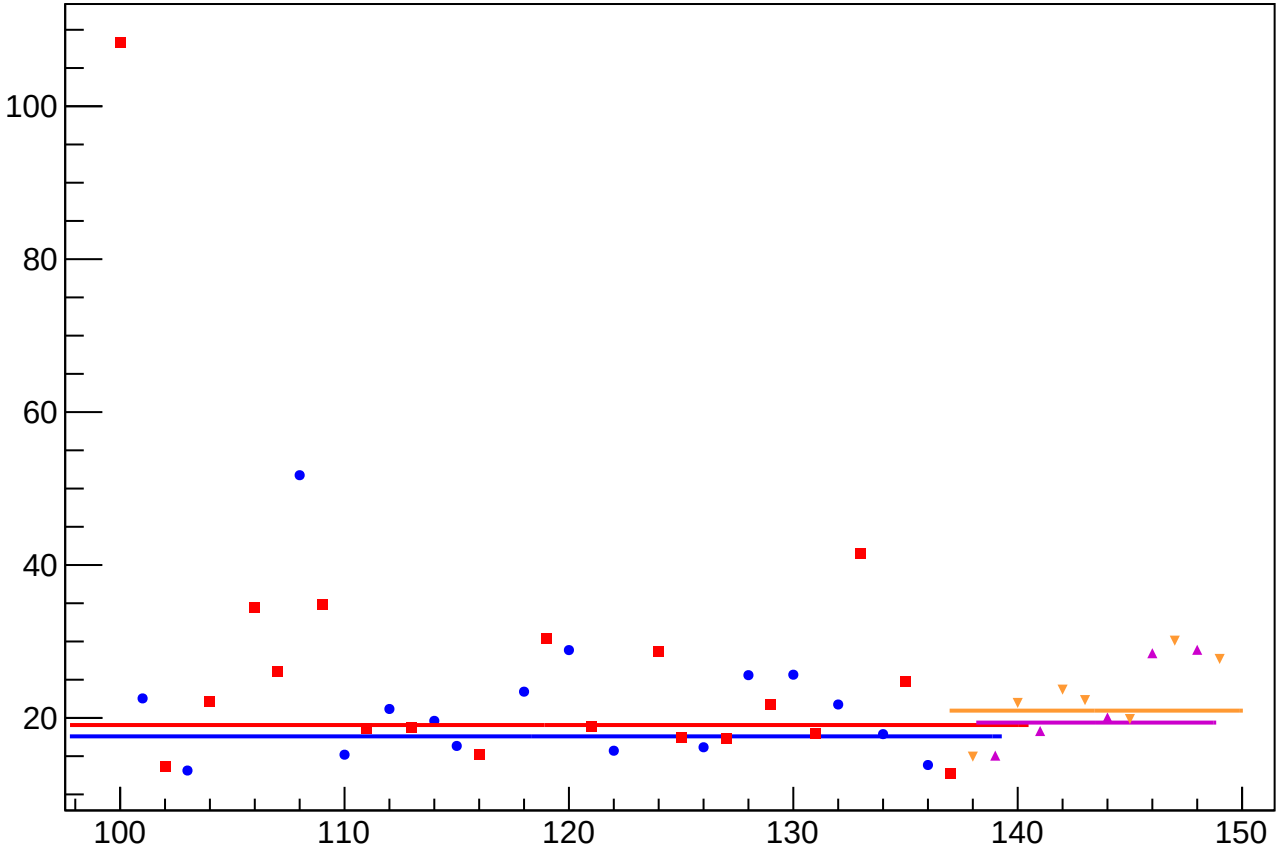
Left In: -0.017+/-0.010 χ^2/NDF:1.0/4

+ sign -0.012+/-0.006 χ^2/NDF: 35.5/22

All: -0.016+/-0.004 χ^2/NDF: 52.4/46

- 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: 20.956+/-0.007 χ^2/NDF:495820.2/6

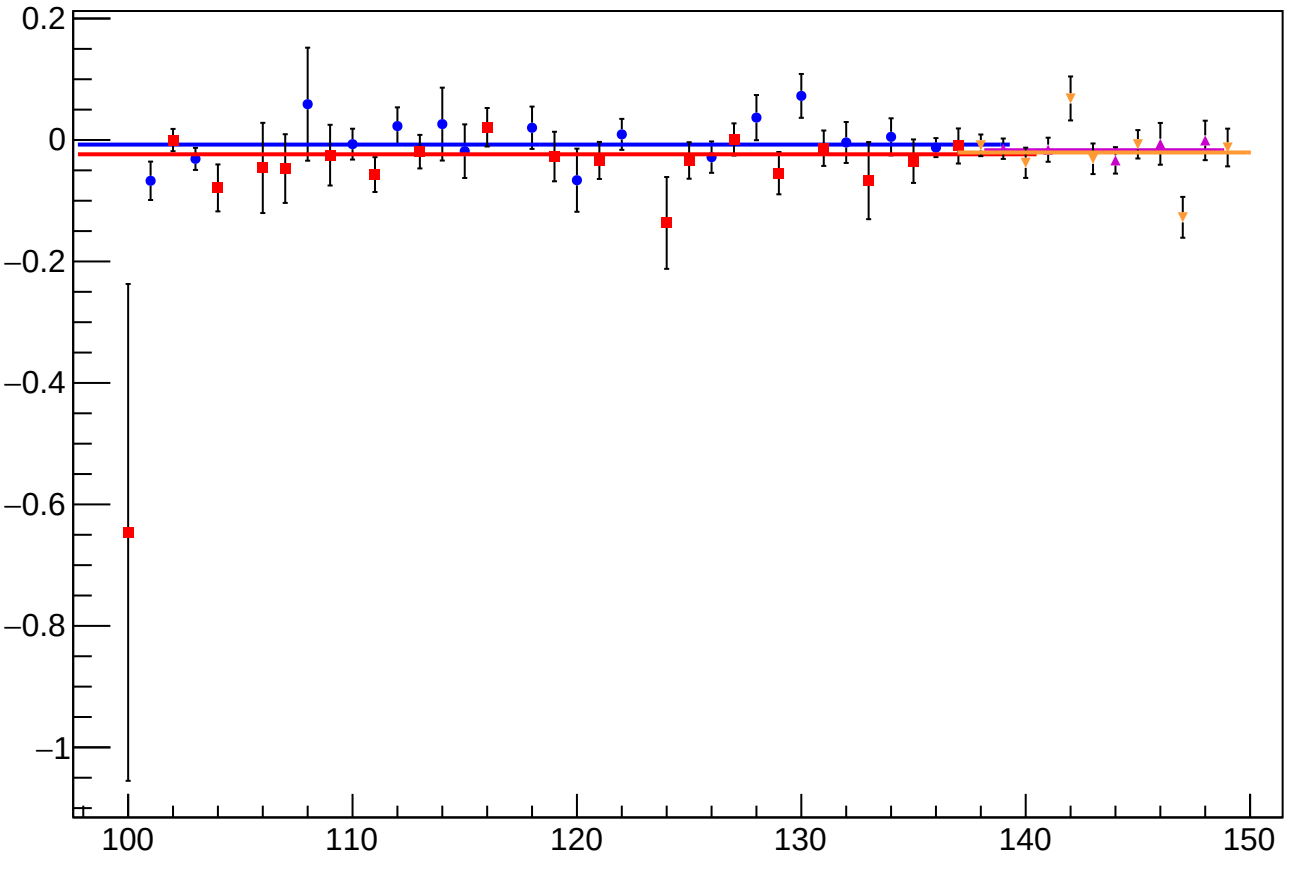
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 19.392+/-0.007 χ^2/NDF:451214.0/4

+ sign 18.803+/-0.004 χ^2/NDF: 1646303.3/22

All: 18.985+/-0.003 χ^2/NDF: 3351060.9/46

- 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:17.6/6

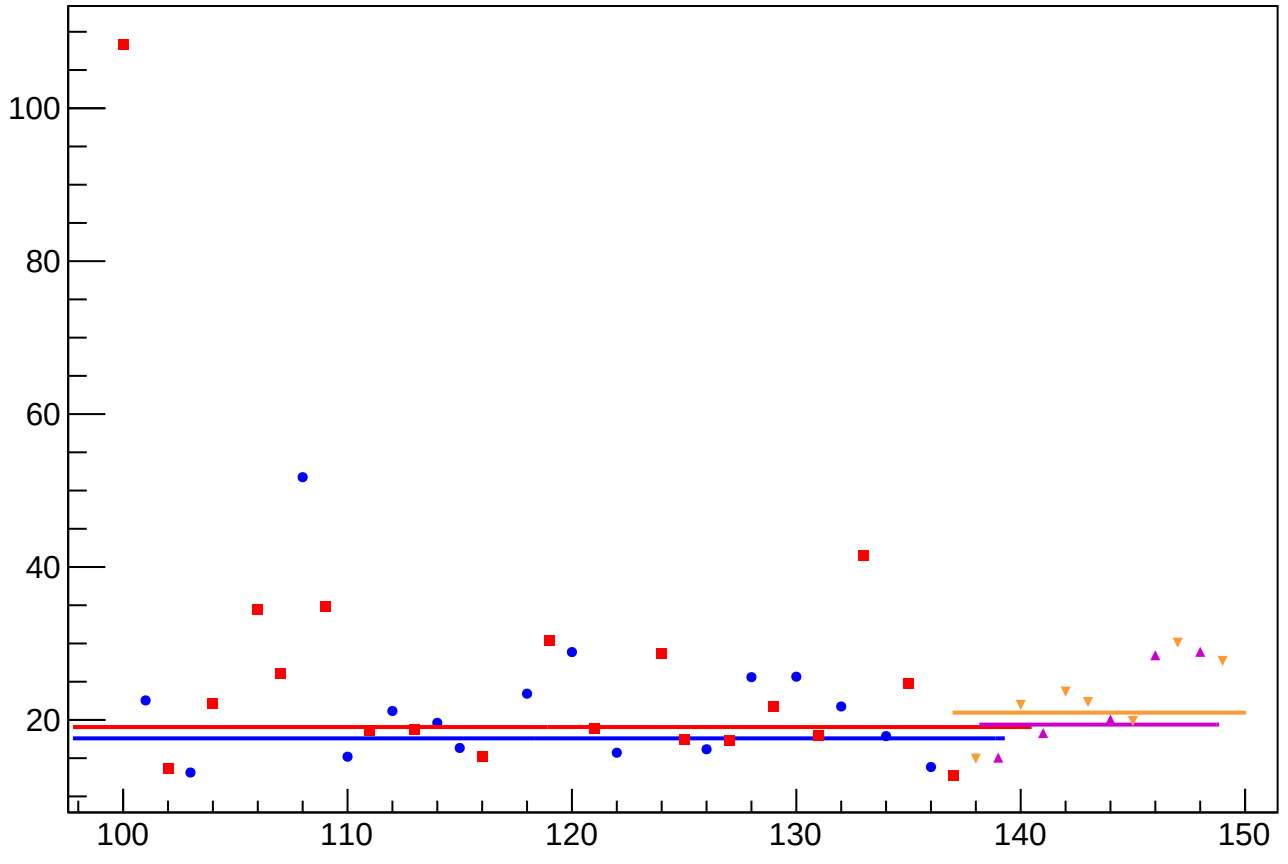
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.017+/-0.010 χ^2/NDF:1.0/4

+ sign -0.012+/-0.006 χ^2/NDF: 35.5/22

All: -0.016+/-0.004 χ^2/NDF: 52.4/46

- 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: 20.956+/-0.007 χ^2/NDF:495820.2/6

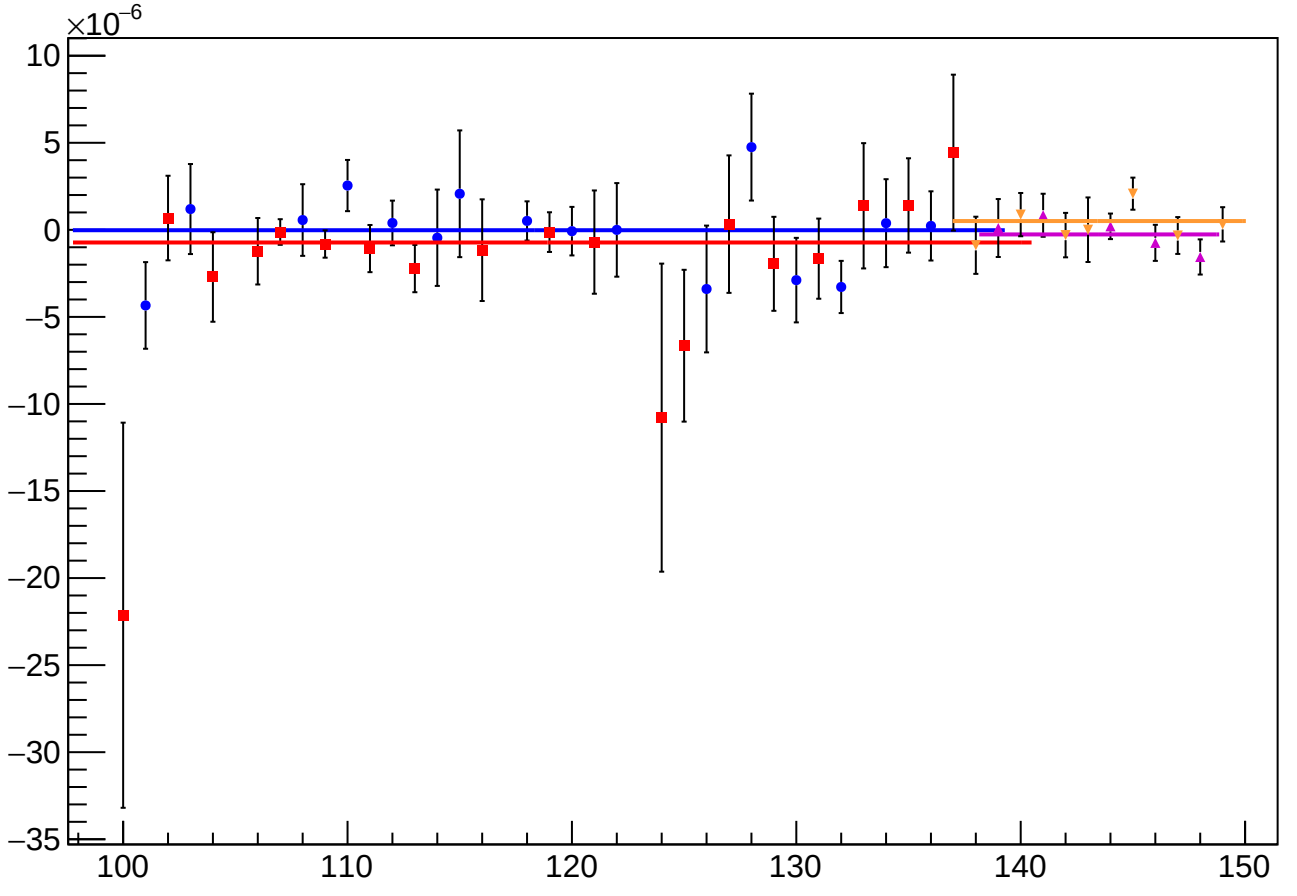
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 19.392+/-0.007 χ^2/NDF:451214.0/4

+ sign 18.803+/-0.004 χ^2/NDF: 1646303.3/22

All: 18.985+/-0.003 χ^2/NDF: 3351060.9/46

- 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:4.8/6

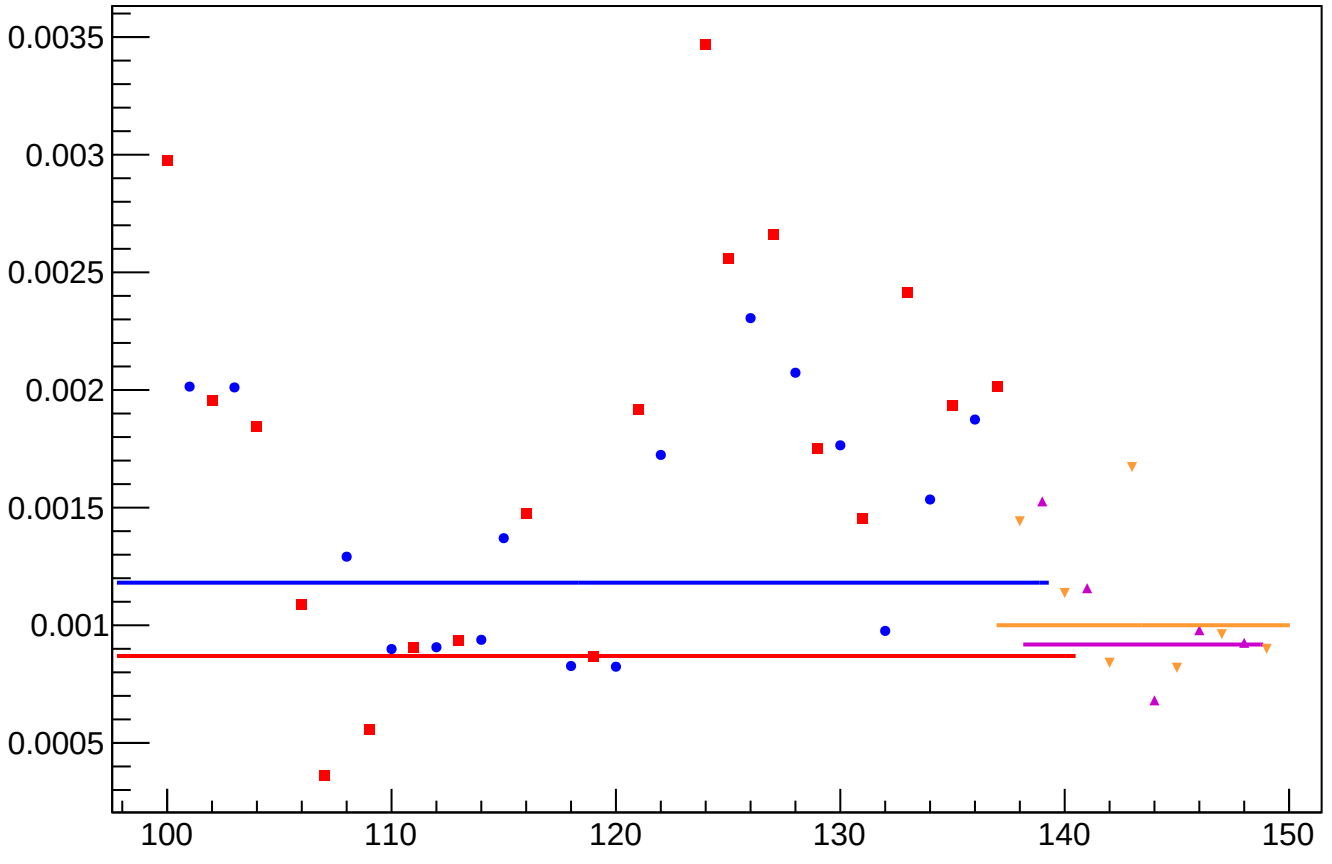
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 22.0/22

All: -0.000+/-0.000 χ^2/NDF: 41.9/46

- sign -0.000+/-0.000 χ^2/NDF: 16.6/23



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:563606.4/6

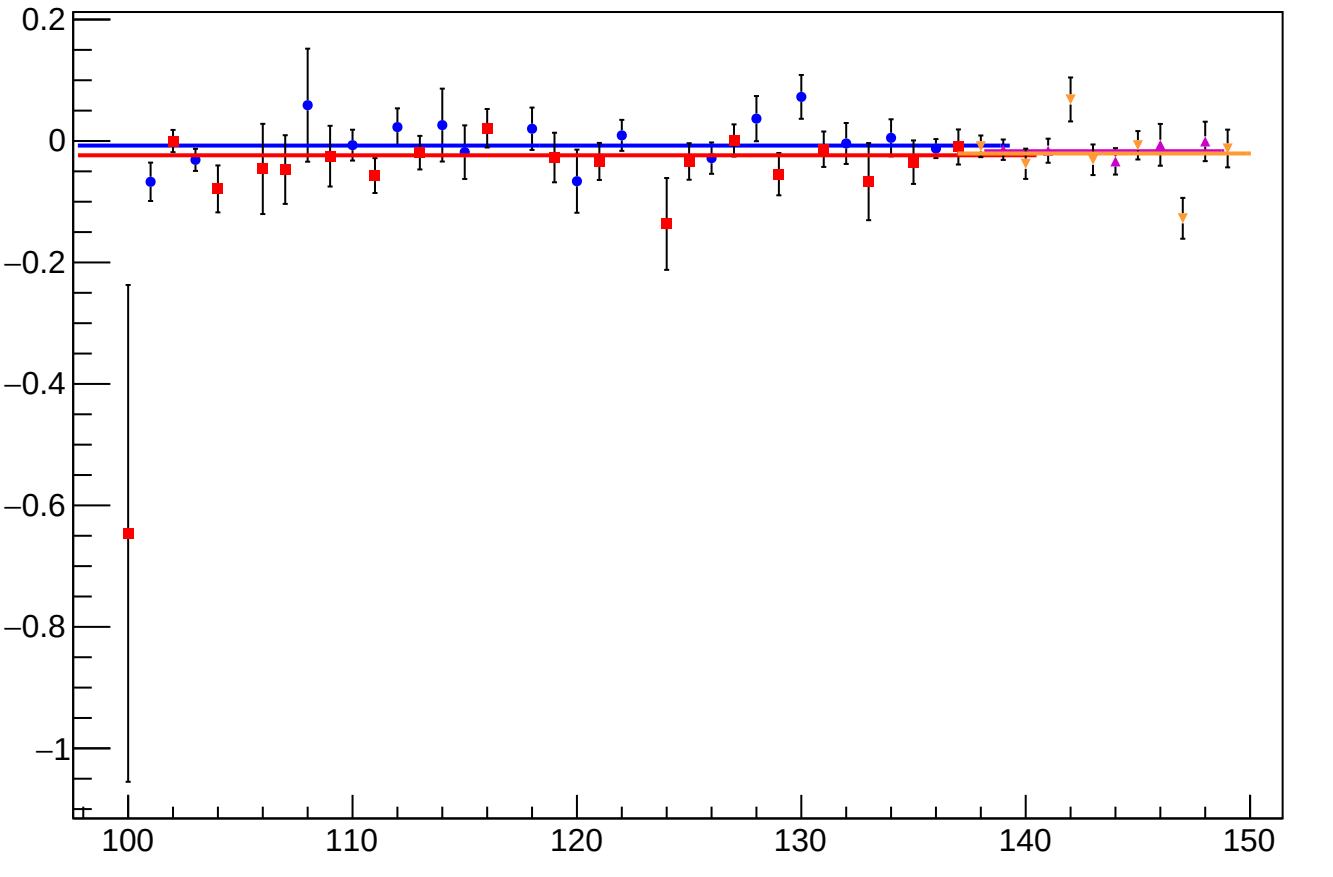
Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:558415.3/4

+ sign 0.001+/-0.000 χ^2/NDF: 2546771.0/22

All: 0.001+/-0.000 χ^2/NDF: 7956073.3/46

- 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:17.6/6

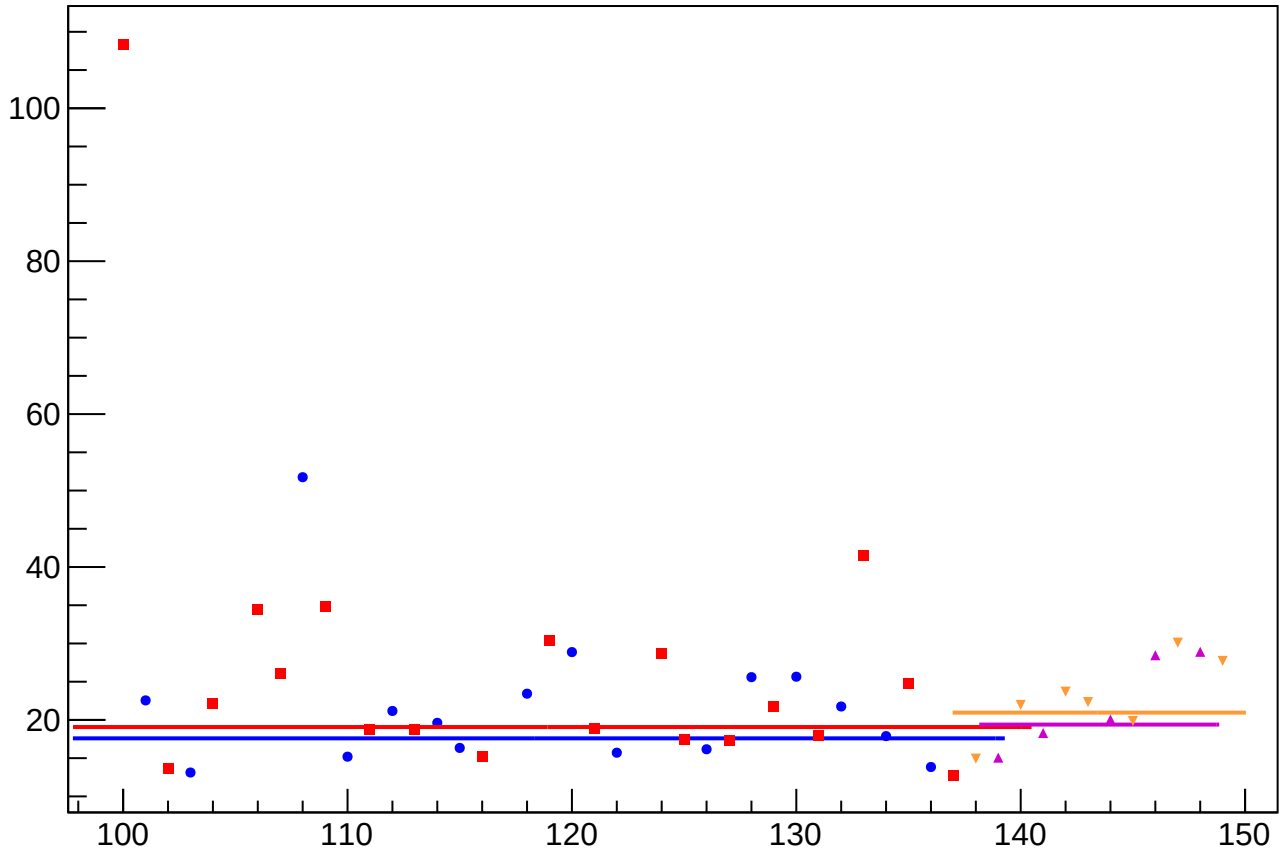
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.017+/-0.010 χ^2/NDF:1.0/4

+ sign -0.012+/-0.006 χ^2/NDF: 35.5/22

All: -0.016+/-0.004 χ^2/NDF: 52.4/46

- 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: 20.956+/-0.007 χ^2/NDF:495805.8/6

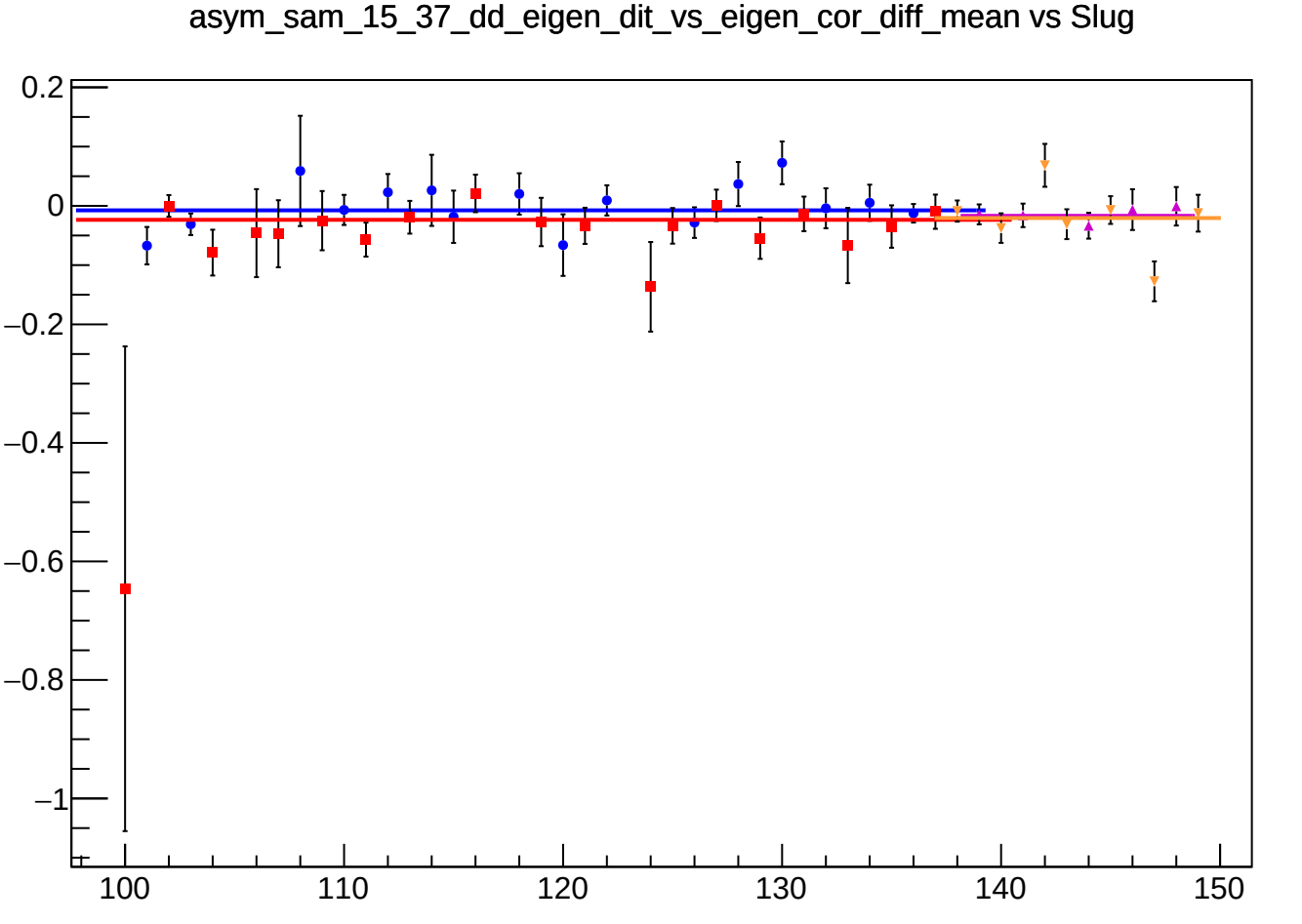
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 19.392+/-0.007 χ^2/NDF:451190.4/4

+ sign 18.803+/-0.004 χ^2/NDF: 1646333.2/22

All: 18.986+/-0.003 χ^2/NDF: 3350993.2/46

- 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:17.6/6

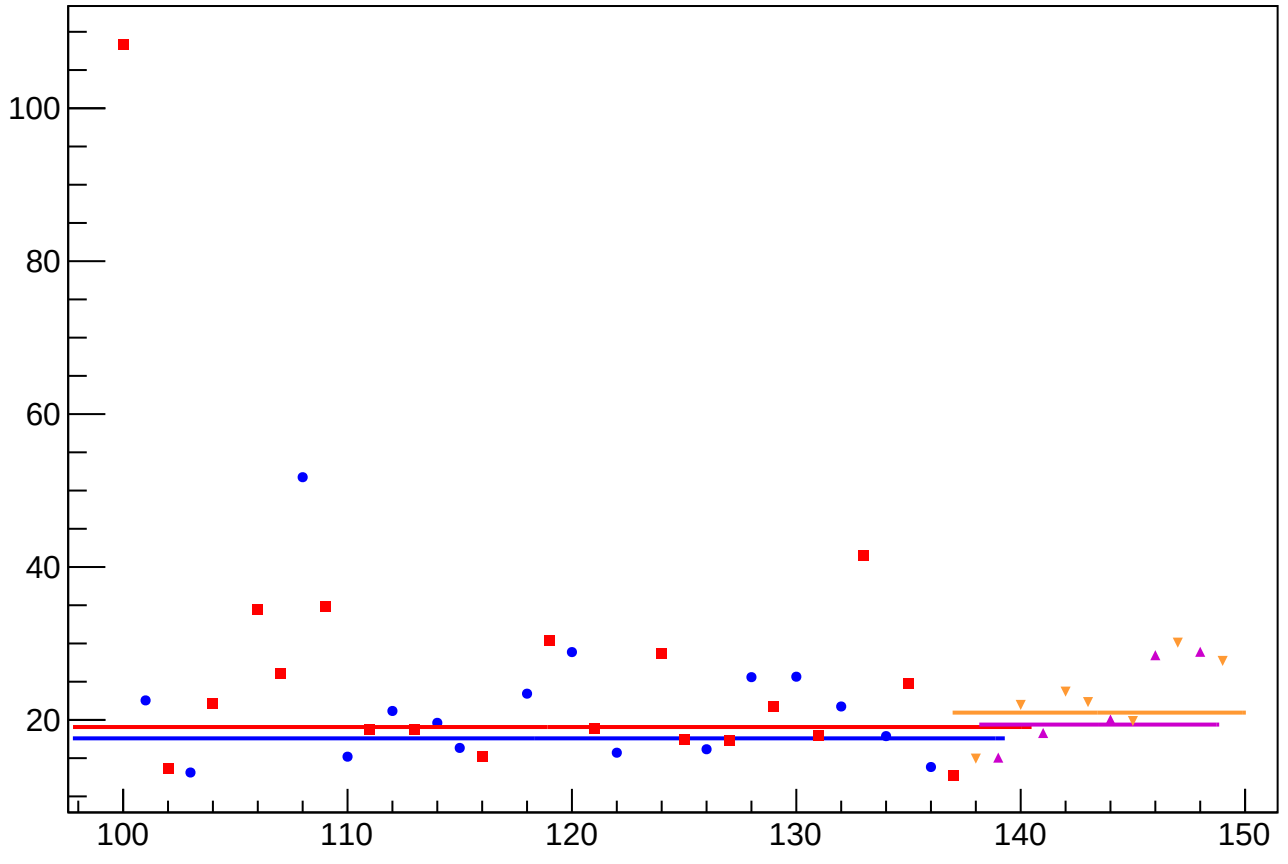
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.017+/-0.010 χ^2/NDF:1.0/4

+ sign -0.012+/-0.006 χ^2/NDF: 35.5/22

All: -0.016+/-0.004 χ^2/NDF: 52.4/46

- 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: 20.956+/-0.007 χ^2/NDF:495805.8/6

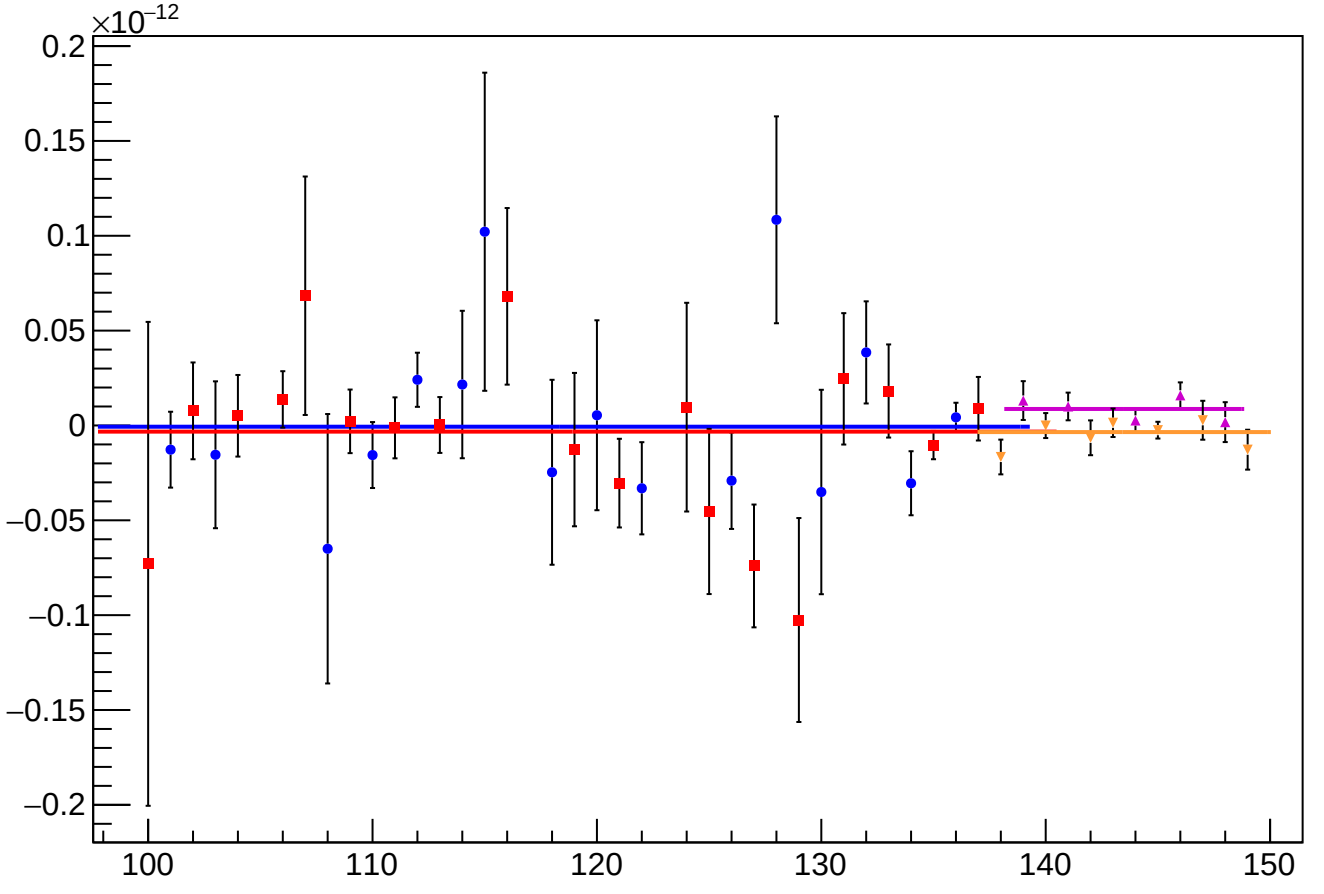
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 19.392+/-0.007 χ^2/NDF:451190.4/4

+ sign 18.803+/-0.004 χ^2/NDF: 1646333.2/22

All: 18.986+/-0.003 χ^2/NDF: 3350993.2/46

- 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:4.1/6

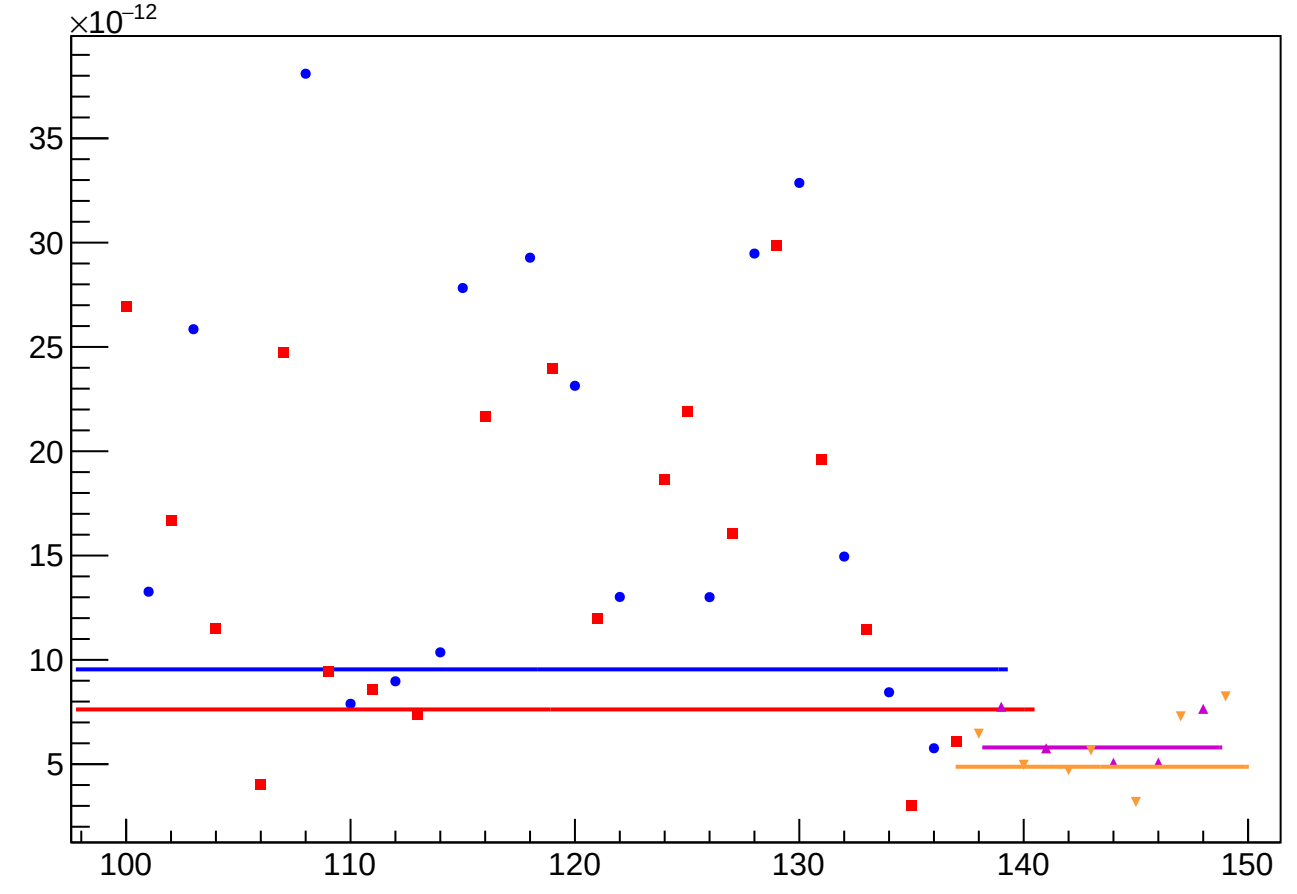
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 24.6/22

All: 0.000+/-0.000 χ^2/NDF: 54.8/46

- 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:691659.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

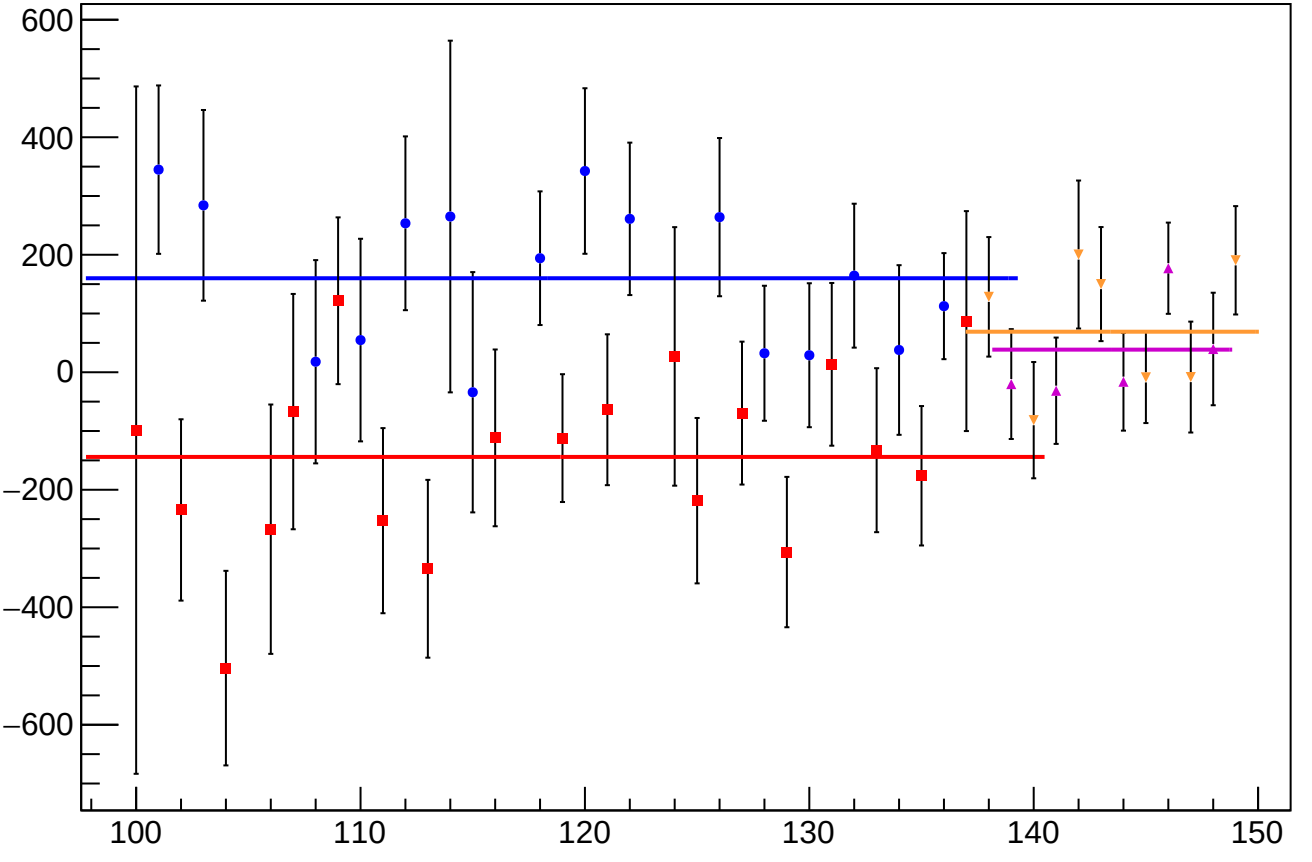
Left In: 0.000+/-0.000 χ^2/NDF:185176.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 4640224.0/22

All: 0.000+/-0.000 χ^2/NDF: 8165418.7/46

- 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: 69.019+/-36.202 χ^2/NDF:7.8/6

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

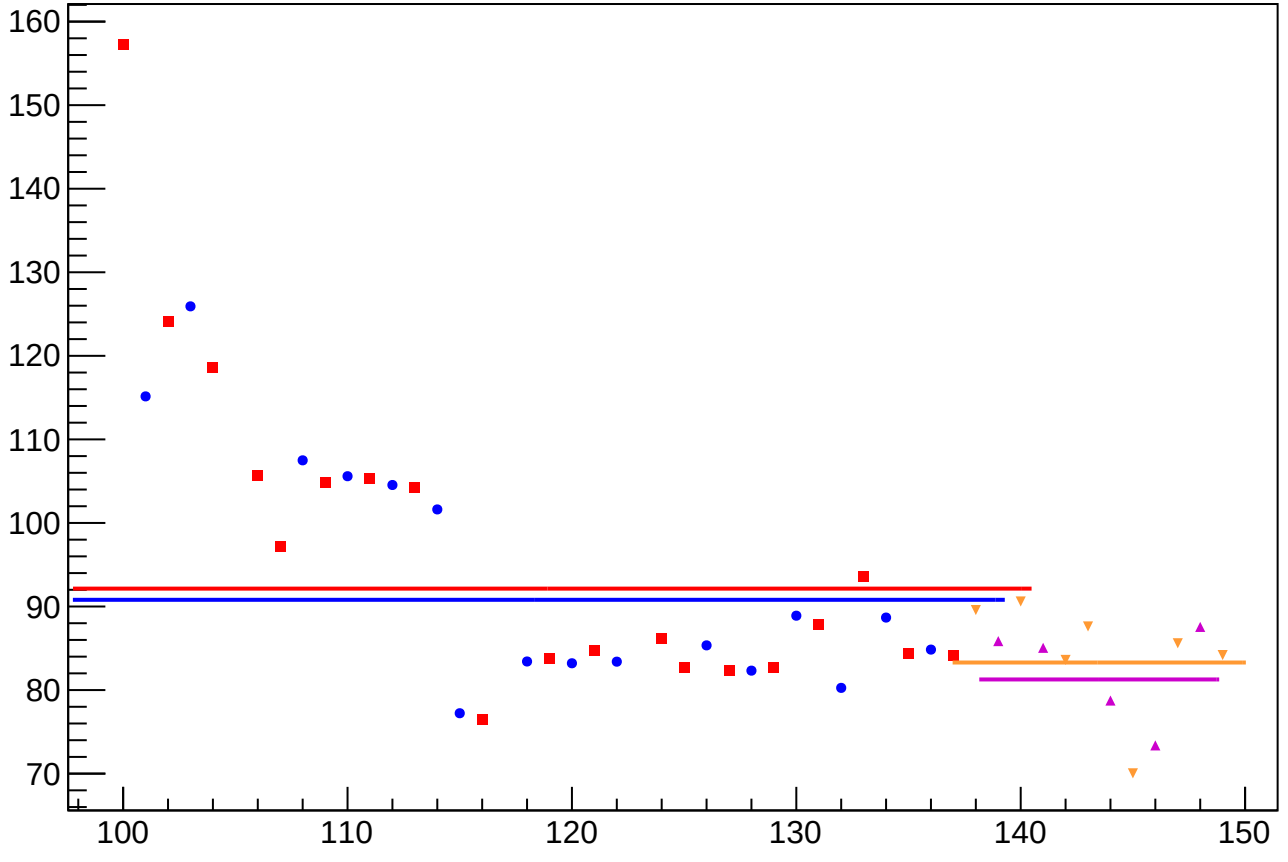
Left In: 38.497+/-39.052 χ^2/NDF:4.6/4

+ sign 117.147+/-24.849 χ^2/NDF: 22.3/22

All: 29.348+/-17.876 χ^2/NDF: 82.5/46

- 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: 83.298+/-0.026 χ^2/NDF:82027.9/6

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

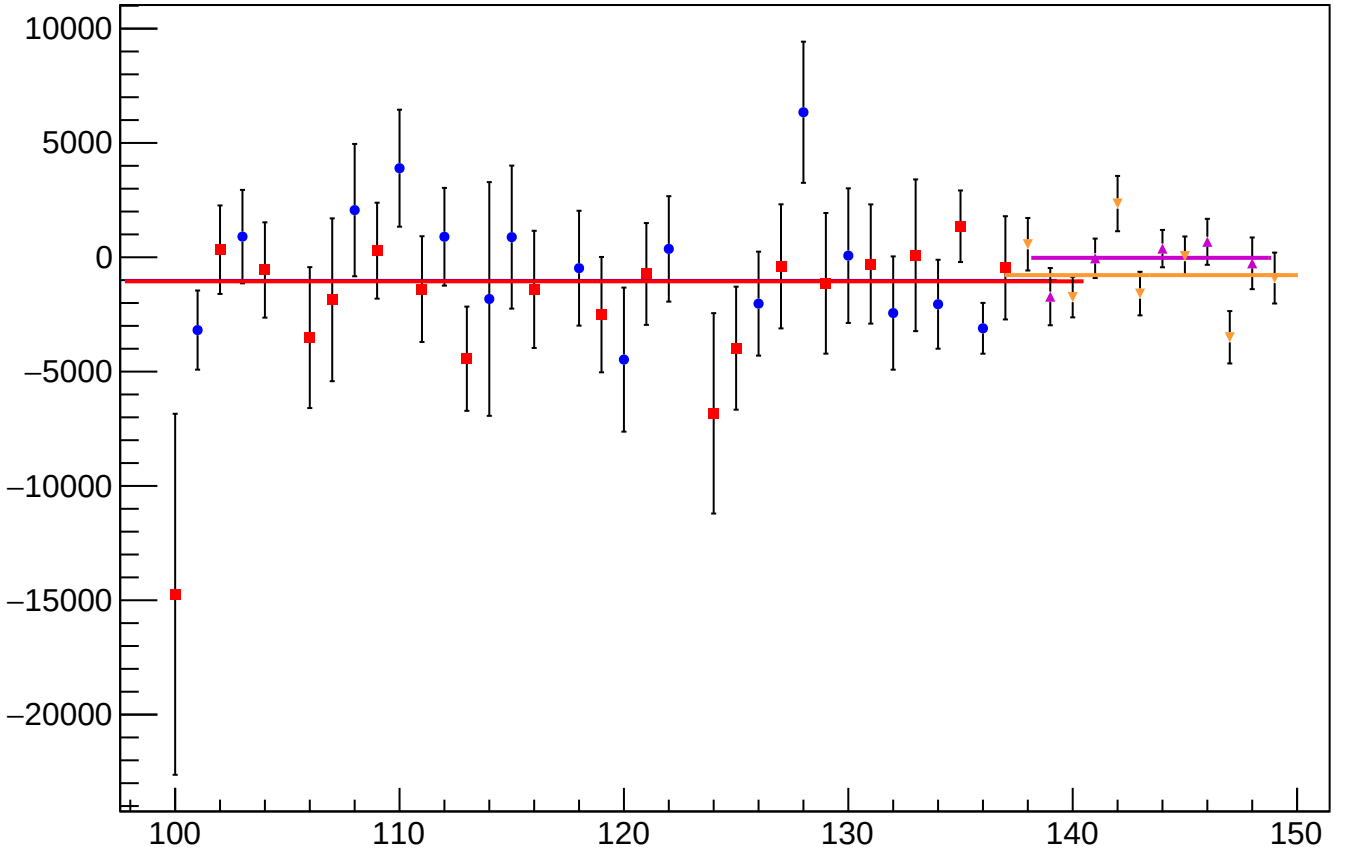
Left In: 81.270+/-0.028 χ^2/NDF:39456.6/4

+ sign 87.266+/-0.018 χ^2/NDF: 400229.8/22

All: 87.341+/-0.013 χ^2/NDF: 829445.4/46

- 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: -780.572+/-385.183 χ^2/NDF:16.5/6

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

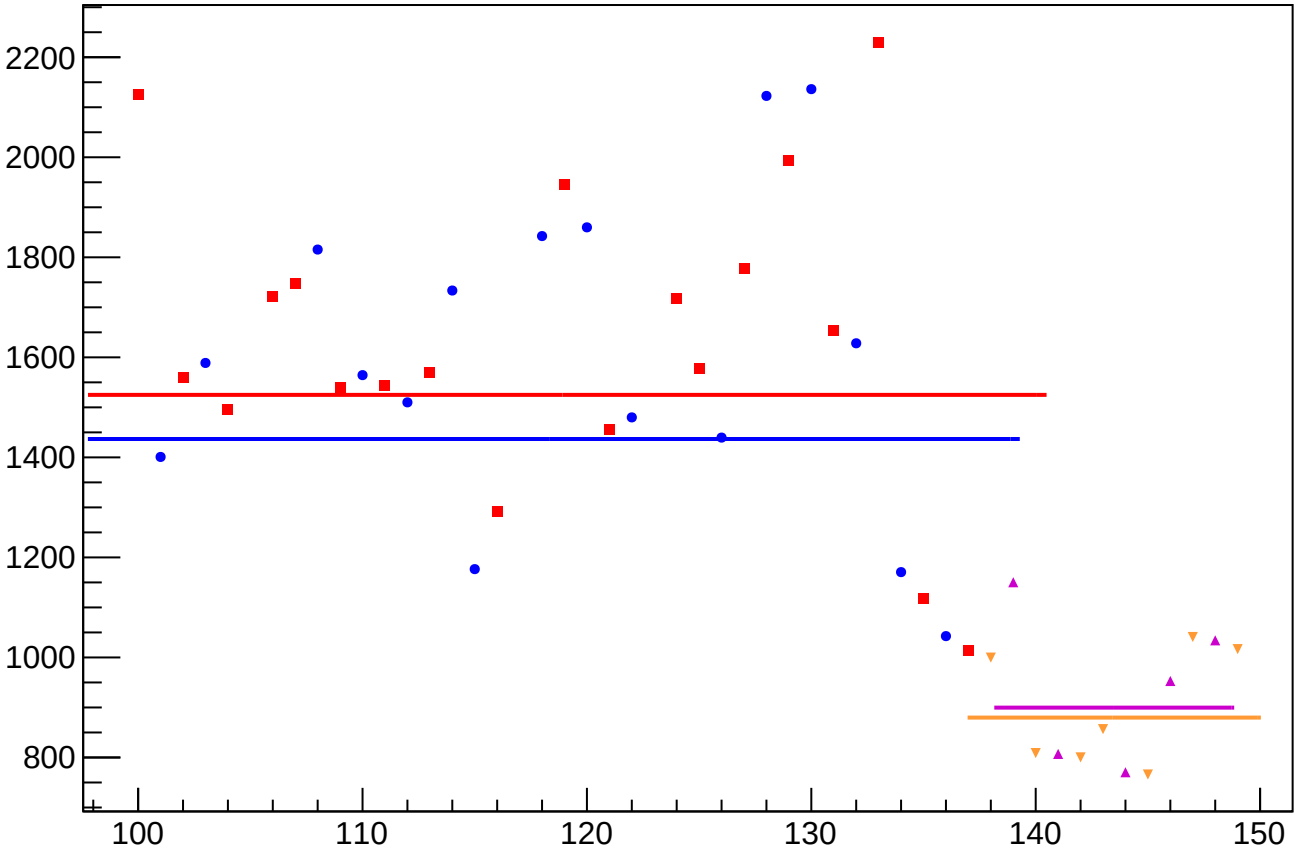
Left In: -24.577+/-436.272 χ^2/NDF:2.6/4

+ sign -864.265+/-315.544 χ^2/NDF: 36.9/22

All: -655.790+/-233.210 χ^2/NDF: 55.5/46

- 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: 879.772+/-0.272 χ^2/NDF:149345.2/6

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

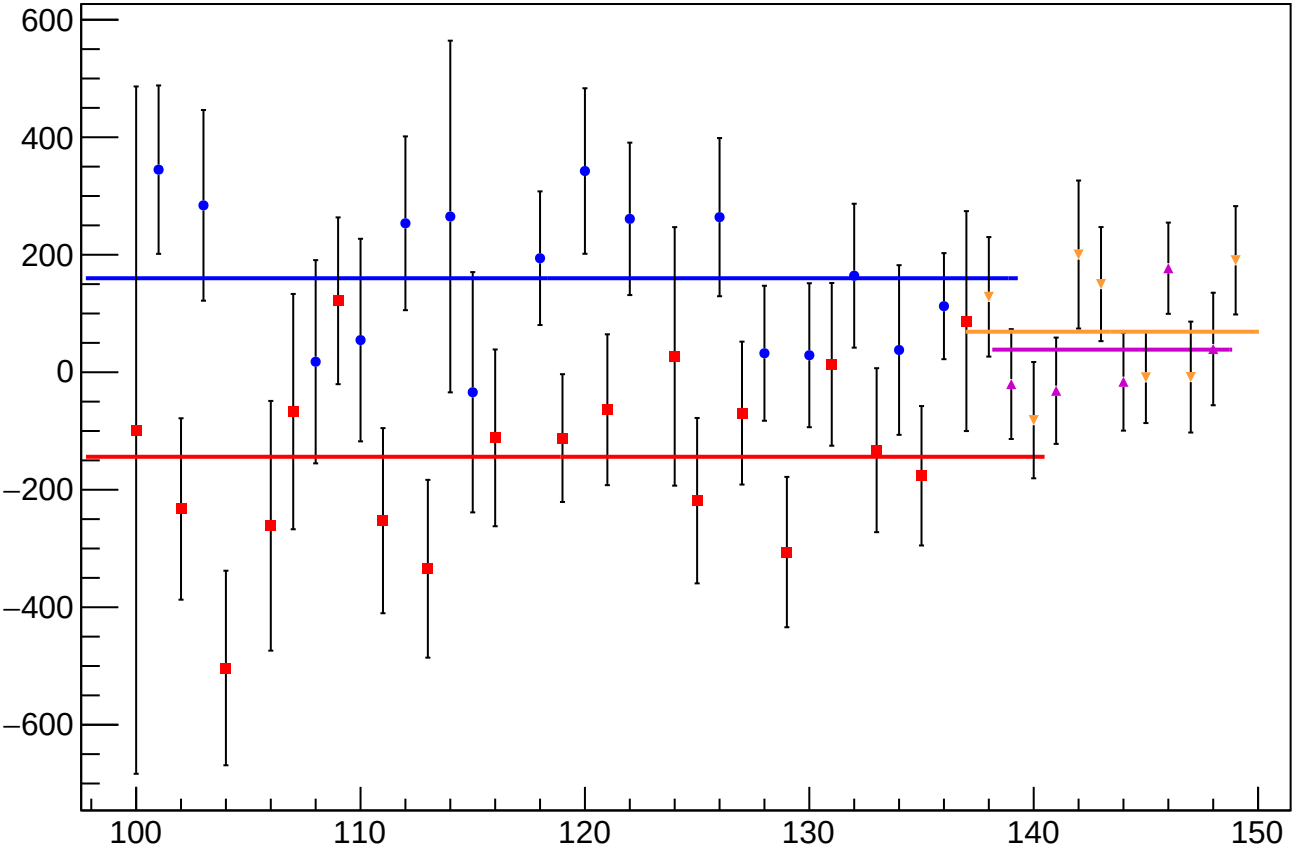
Left In: 899.678+/-0.308 χ^2/NDF:187334.8/4

+ sign 1062.959+/-0.223 χ^2/NDF: 2200369.9/22

All: 1093.928+/-0.165 χ^2/NDF: 4455958.3/46

- 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: 69.021+/-36.202 χ^2/NDF:7.8/6

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

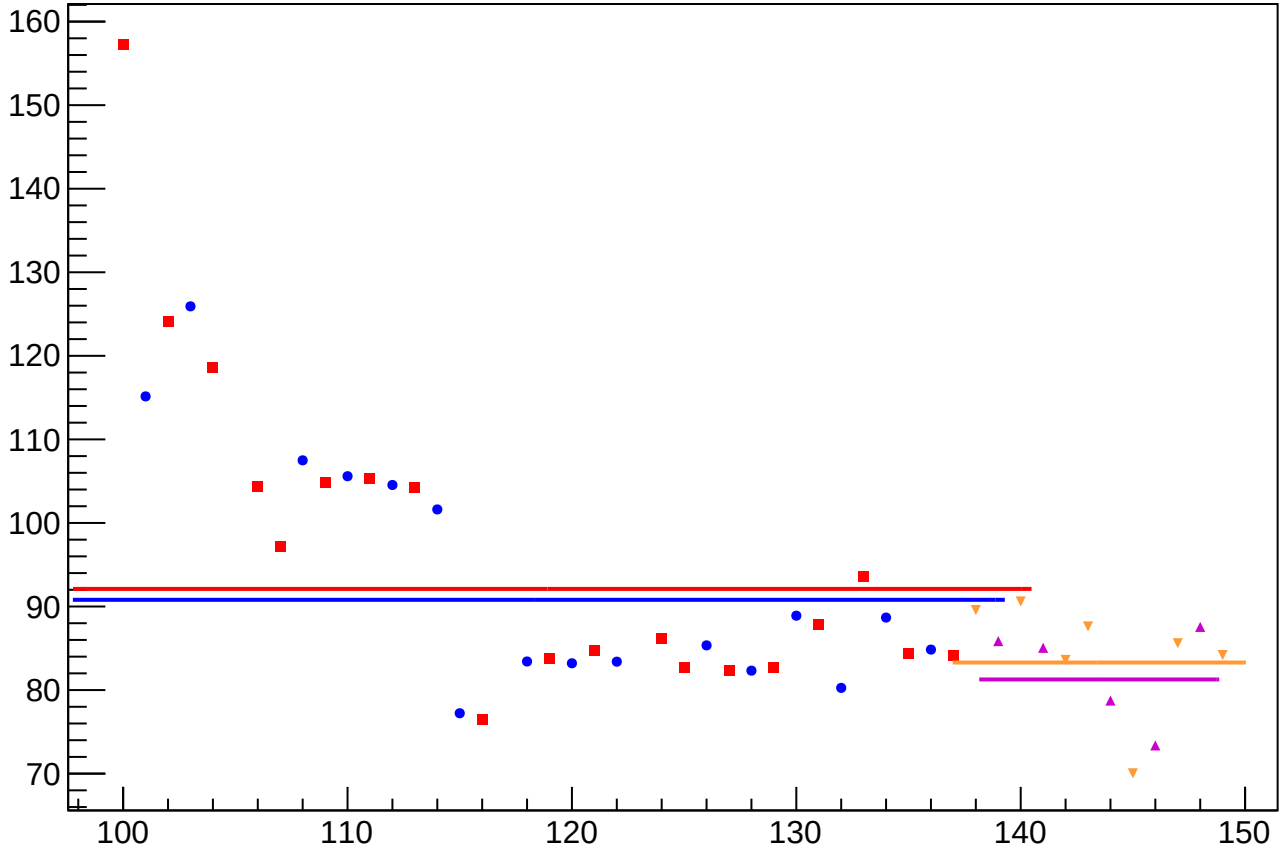
Left In: 38.490+/-39.052 χ^2/NDF:4.6/4

+ sign 117.146+/-24.849 χ^2/NDF: 22.2/22

All: 29.422+/-17.876 χ^2/NDF: 82.4/46

- 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: 83.298+/-0.026 χ^2/NDF:82027.9/6

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

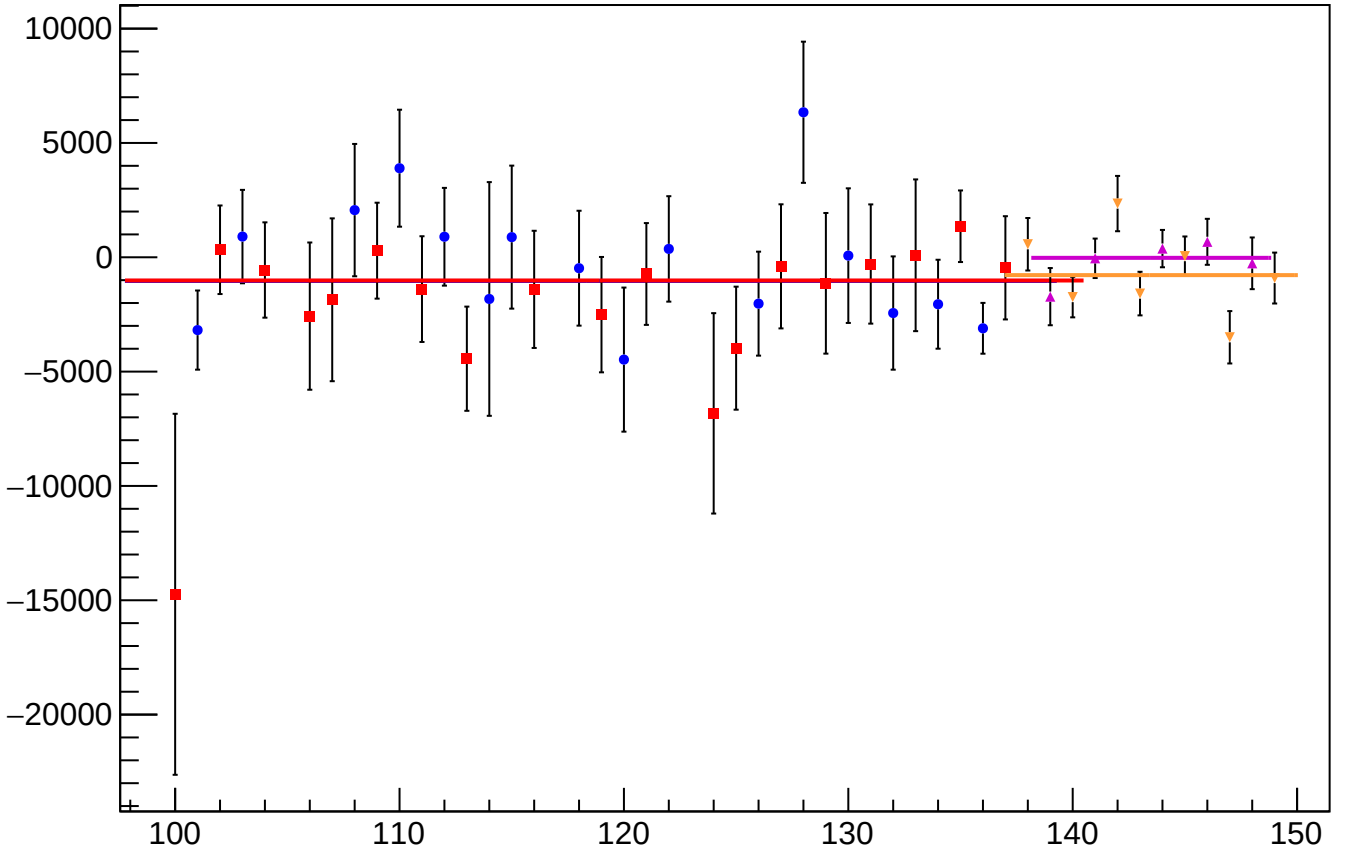
Left In: 81.270+/-0.028 χ^2/NDF:39456.6/4

\+ sign 87.266+/-0.018 χ^2/NDF: 400231.7/22

All: 87.331+/-0.013 χ^2/NDF: 827636.8/46

\- 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: -780.567+/-385.183 χ^2/NDF:16.5/6

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

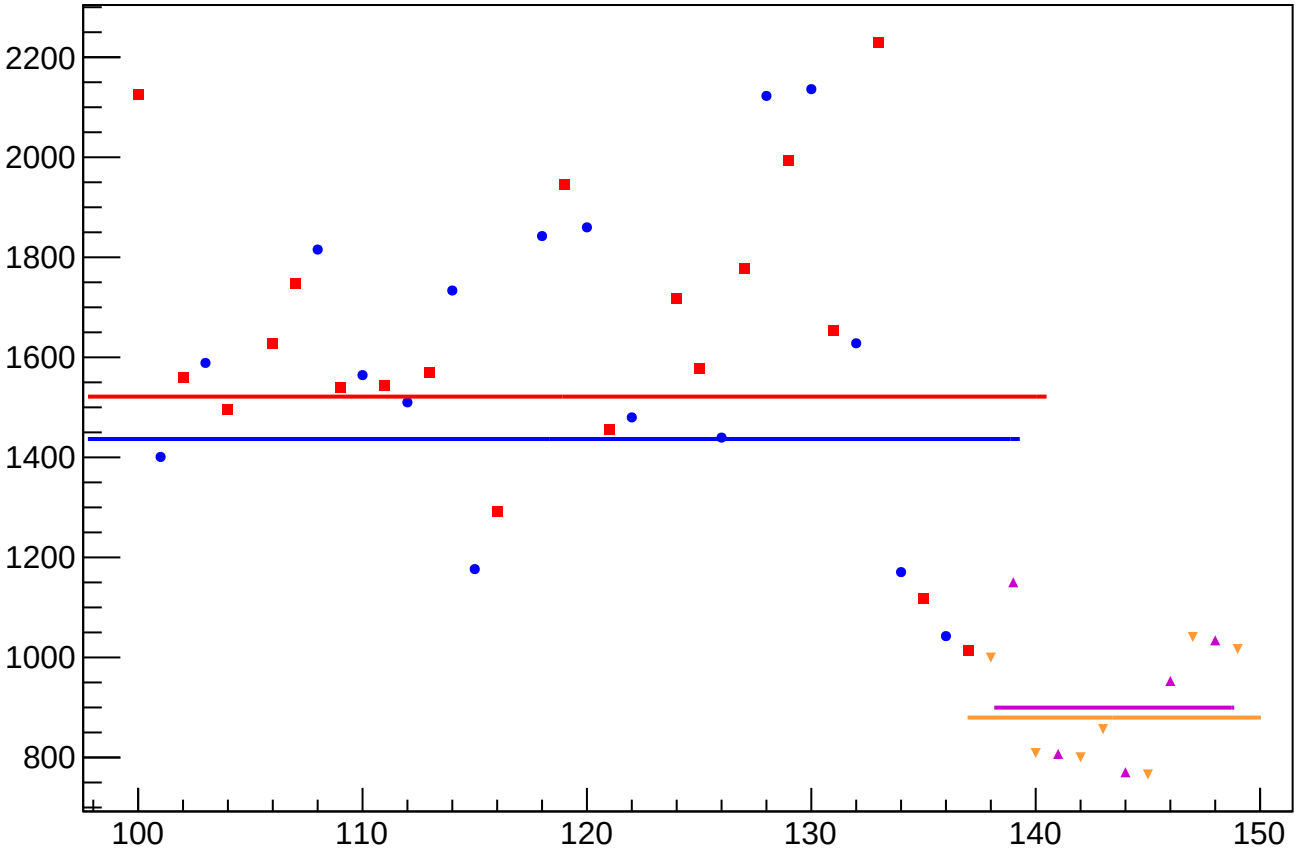
Left In: -24.593+/-436.272 χ^2/NDF:2.6/4

\+ sign -864.253+/-315.544 χ^2/NDF: 36.9/22

All: -649.536+/-233.268 χ^2/NDF: 54.9/46

\- 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: 879.772+/-0.272 χ^2/NDF:149345.6/6

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

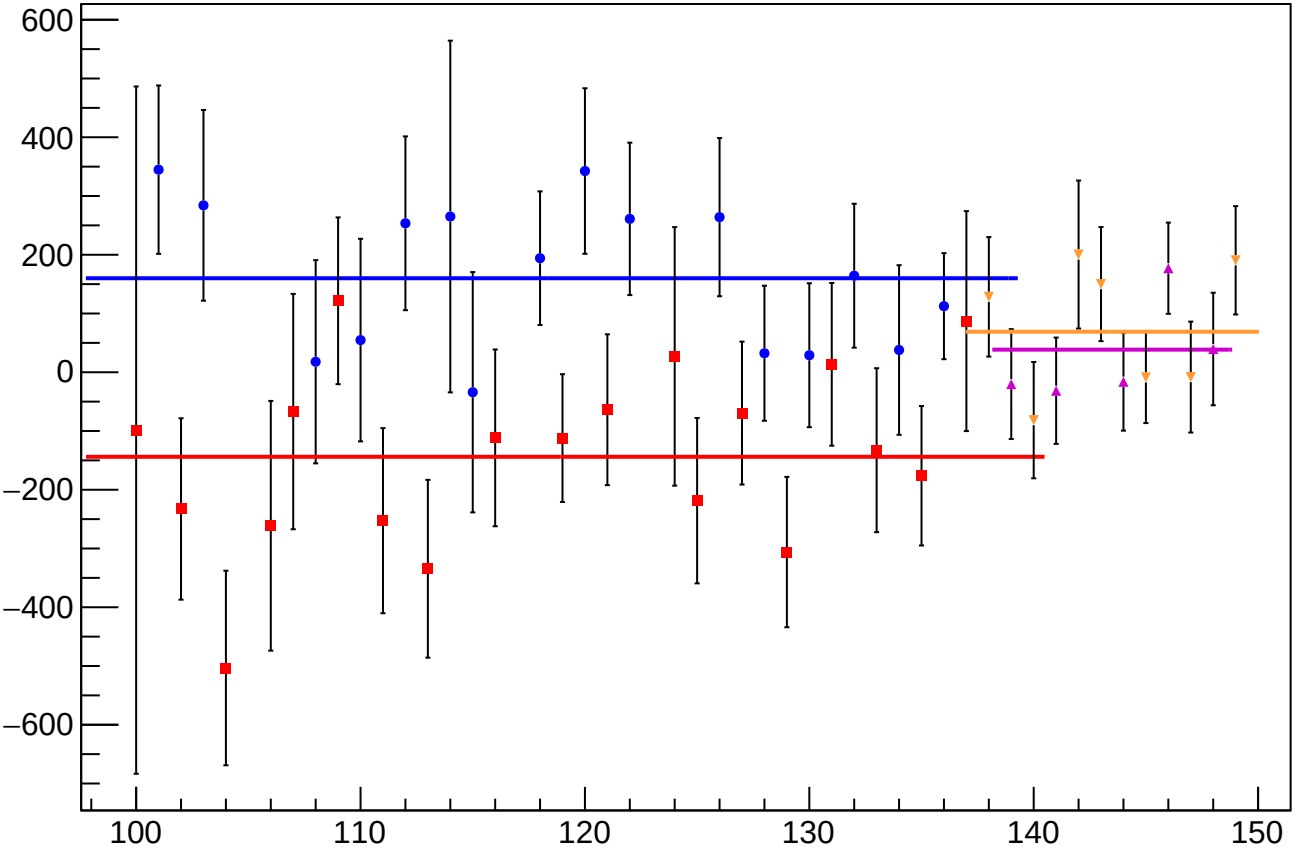
Left In: 899.678+/-0.308 χ^2/NDF:187334.8/4

+ sign 1062.959+/-0.223 χ^2/NDF: 2200393.4/22

All: 1093.135+/-0.165 χ^2/NDF: 4428086.8/46

- 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: 69.021+/-36.202 χ^2/NDF:7.8/6

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

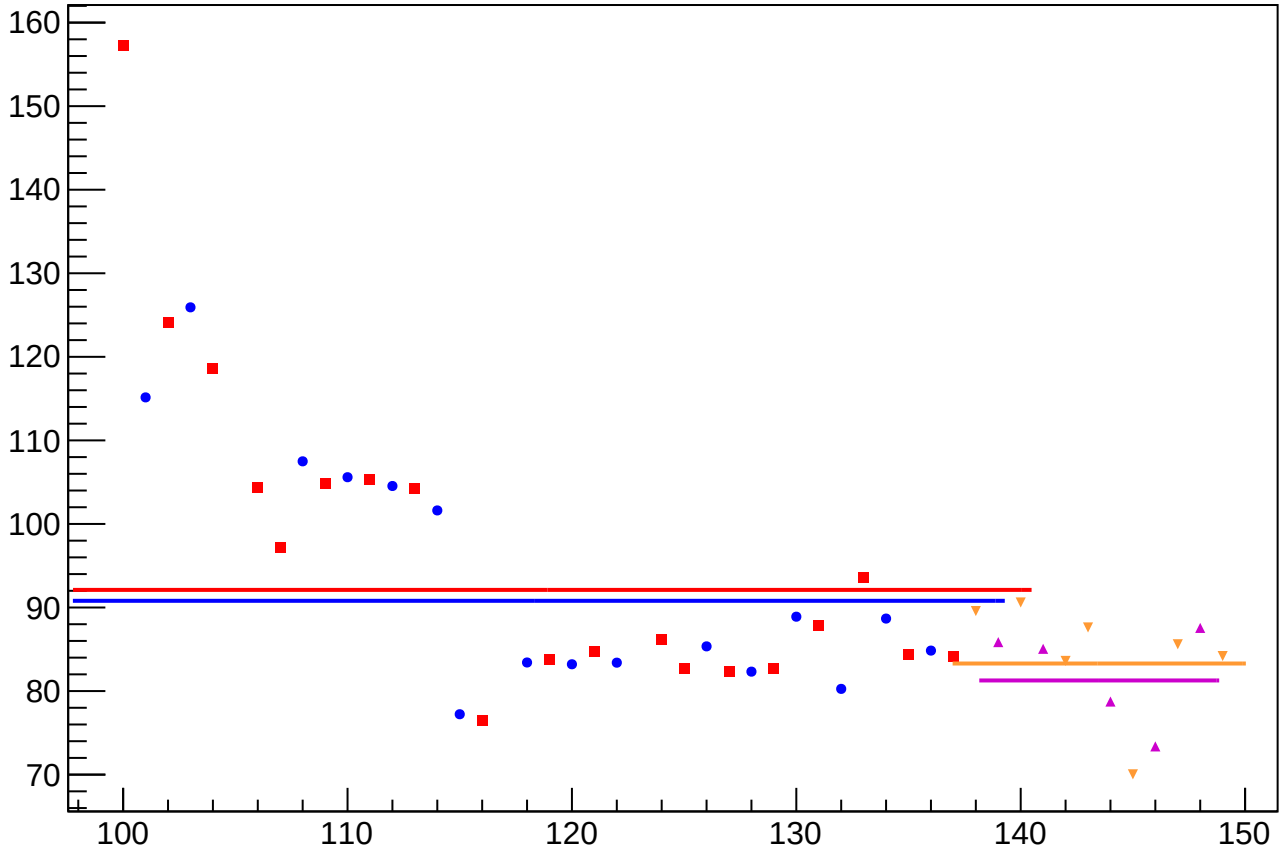
Left In: 38.490+/-39.052 χ^2/NDF:4.6/4

+ sign 117.146+/-24.849 χ^2/NDF: 22.2/22

All: 29.422+/-17.876 χ^2/NDF: 82.4/46

- 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: 83.298+/-0.026 χ^2/NDF:82027.9/6

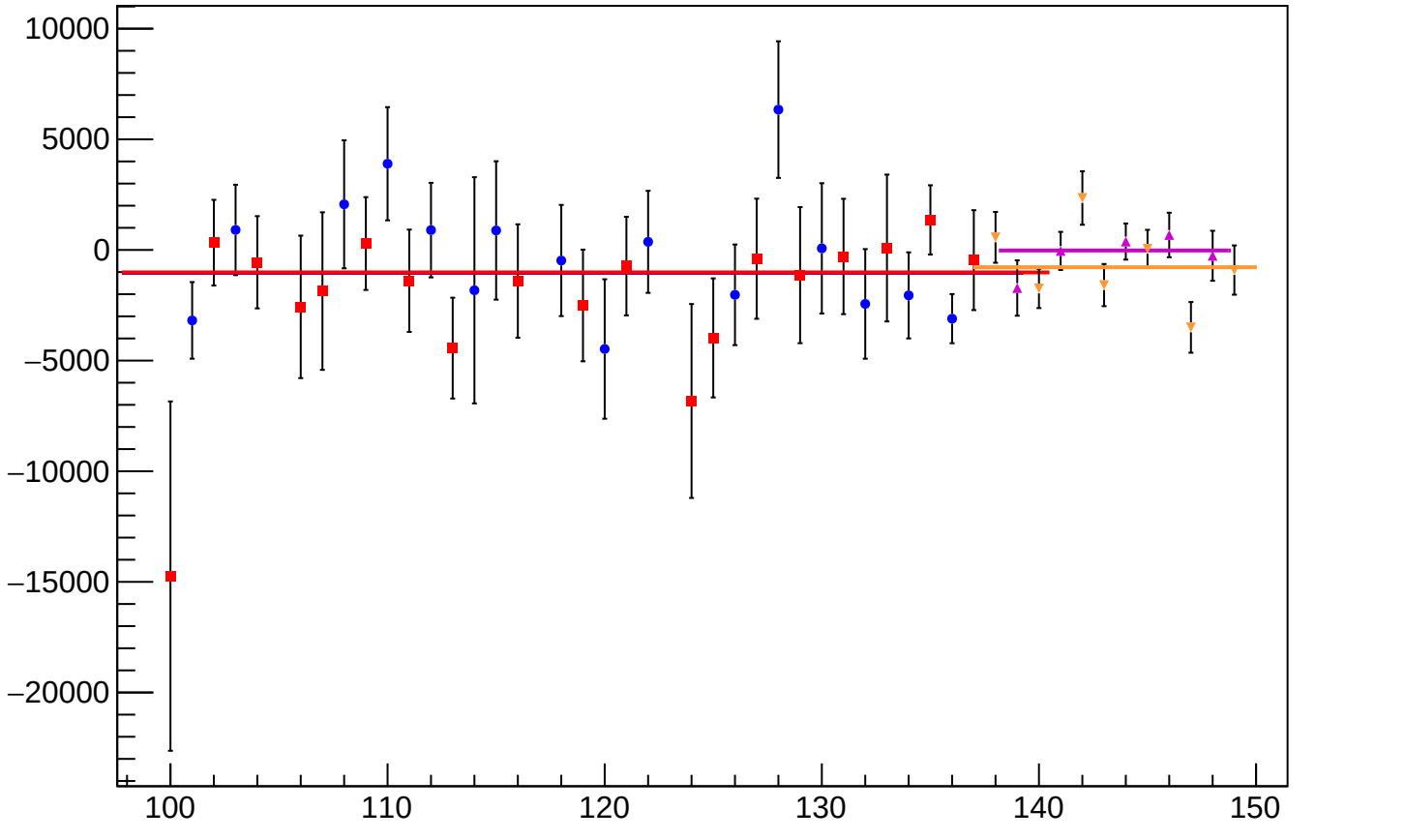
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 81.270+/-0.028 χ^2/NDF:39456.6/4

\+ sign 87.266+/-0.018 χ^2/NDF: 400231.7/22

All: 87.331+/-0.013 χ^2/NDF: 827636.8/46

\- sign 87.401+/-0.018 χ^2/NDF: 427376.6/23



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -780.567+/-385.183 χ^2/NDF:16.5/6

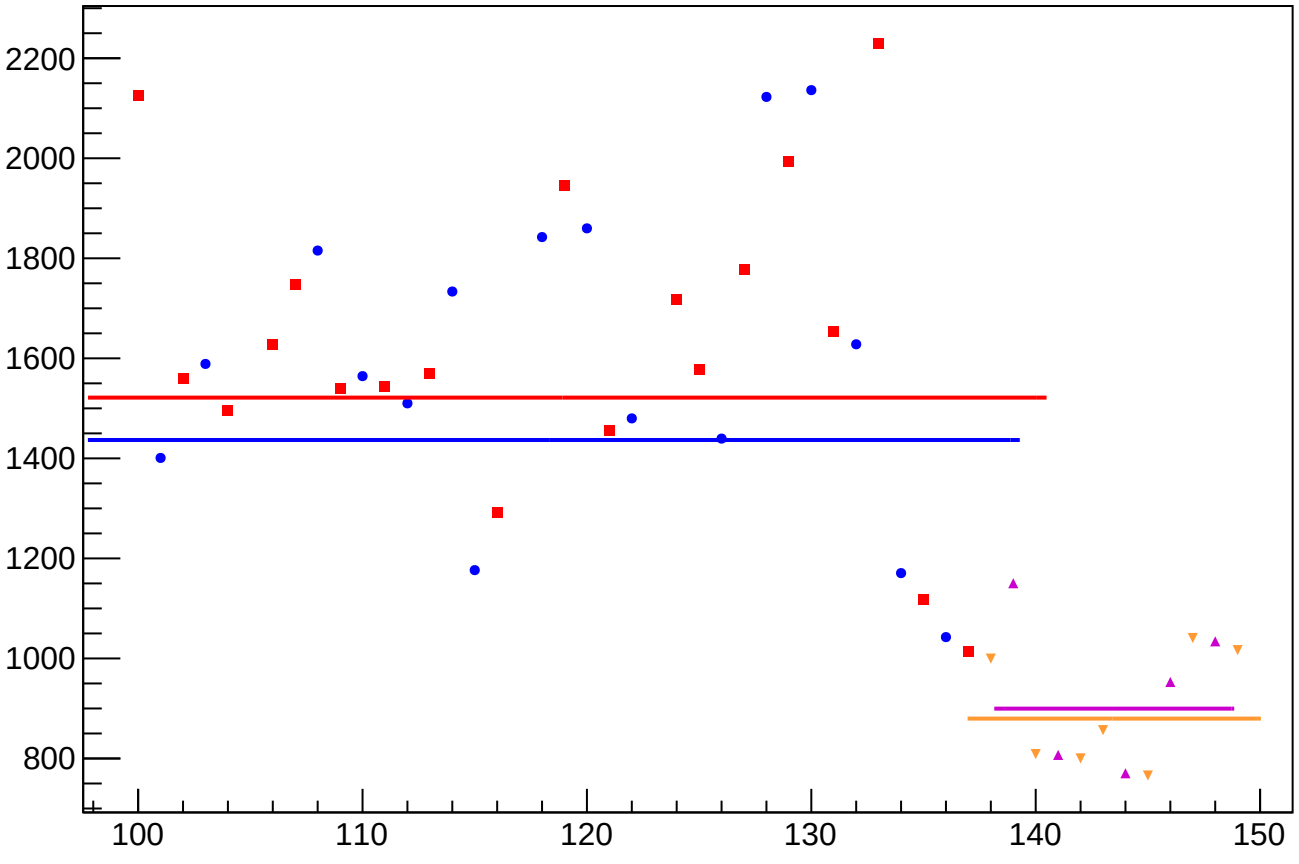
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -24.593+/-436.272 χ^2/NDF:2.6/4

\+ sign -864.253+/-315.544 χ^2/NDF: 36.9/22

All: -649.536+/-233.268 χ^2/NDF: 54.9/46

\- 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: 879.772+/-0.272 χ^2/NDF:149345.6/6

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

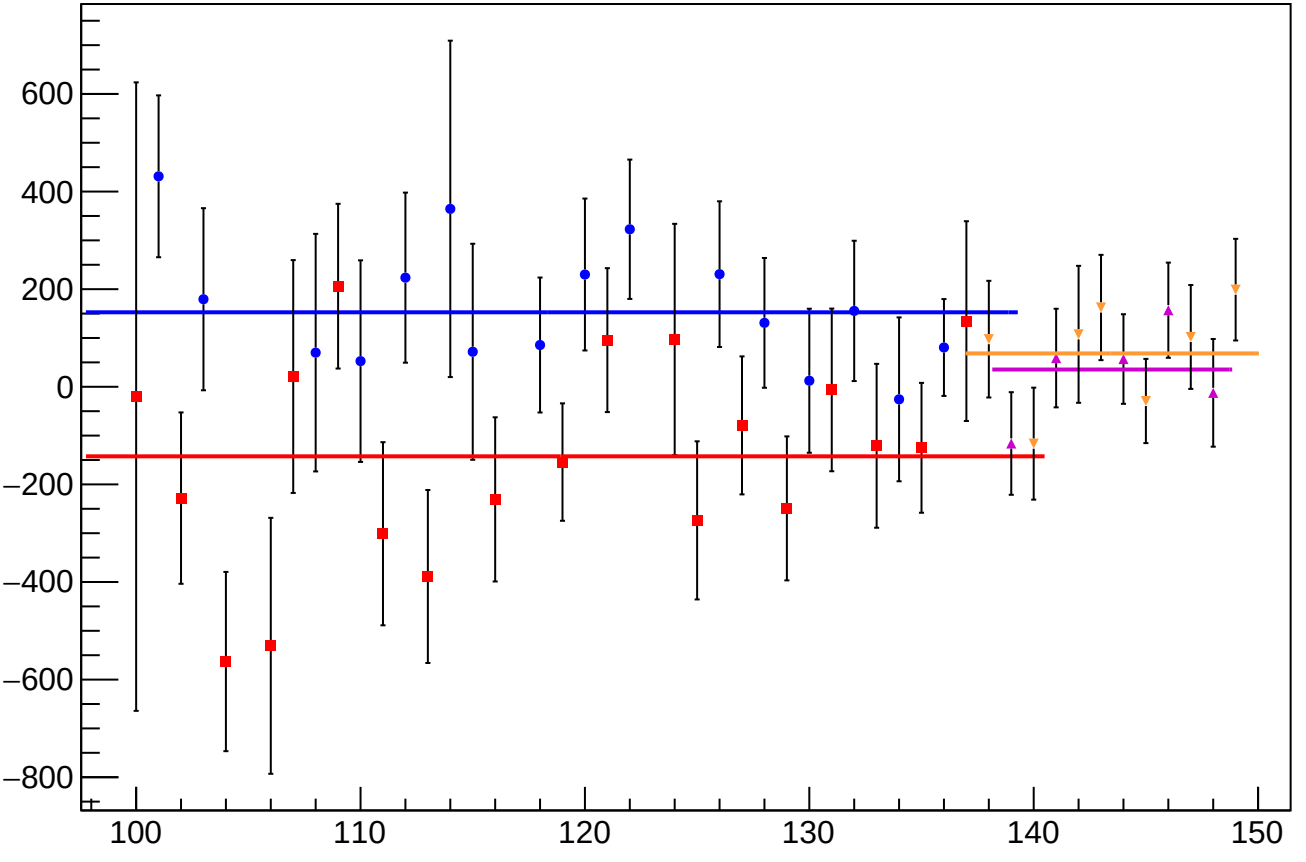
Left In: 899.678+/-0.308 χ^2/NDF:187334.8/4

+ sign 1062.959+/-0.223 χ^2/NDF: 2200393.4/22

All: 1093.135+/-0.165 χ^2/NDF: 4428086.8/46

- 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: 68.363+/-40.907 χ^2/NDF:6.4/6

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

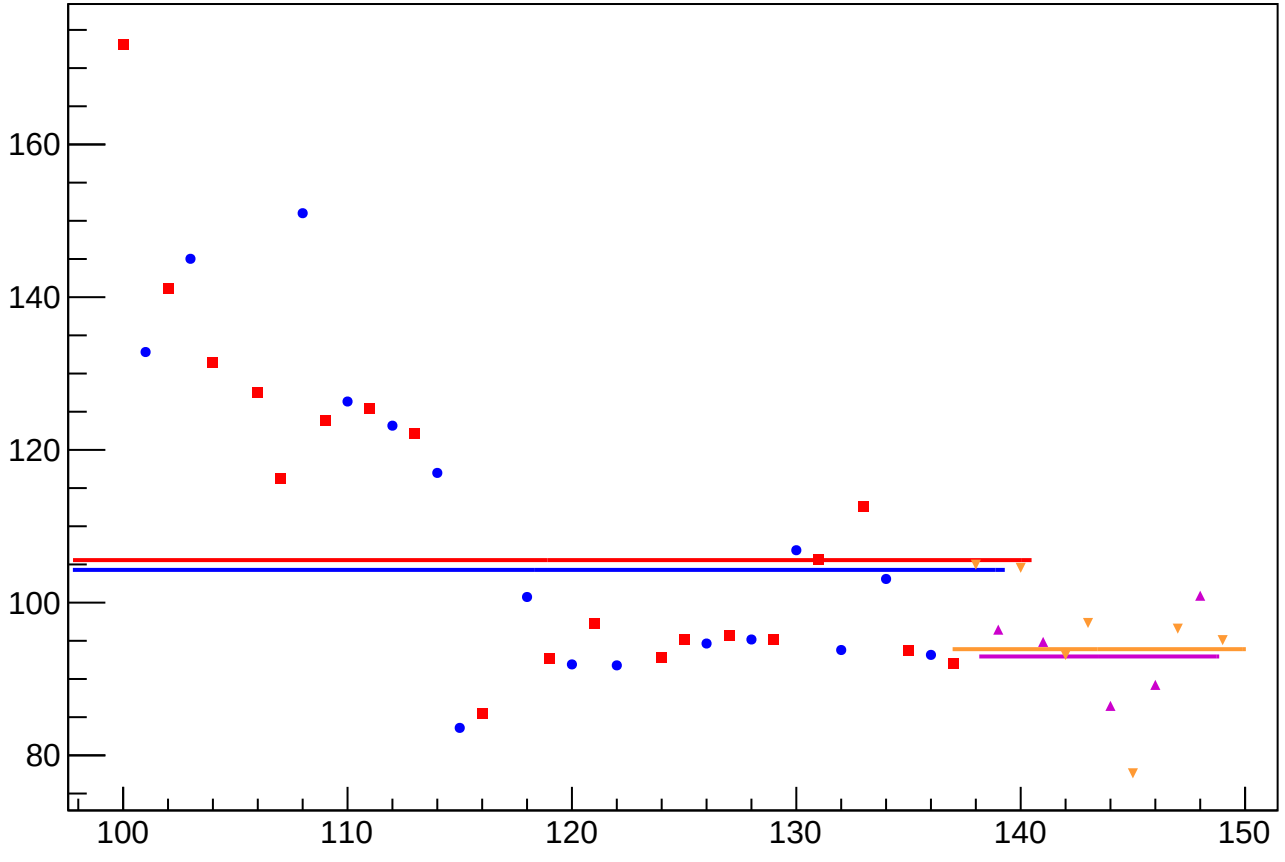
Left In: 35.363+/-44.968 χ^2/NDF:3.9/4

+ sign 112.026+/-28.395 χ^2/NDF: 17.3/22

All: 27.030+/-20.494 χ^2/NDF: 71.7/46

- 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: 93.905+/-0.029 χ^2/NDF:109042.6/6

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

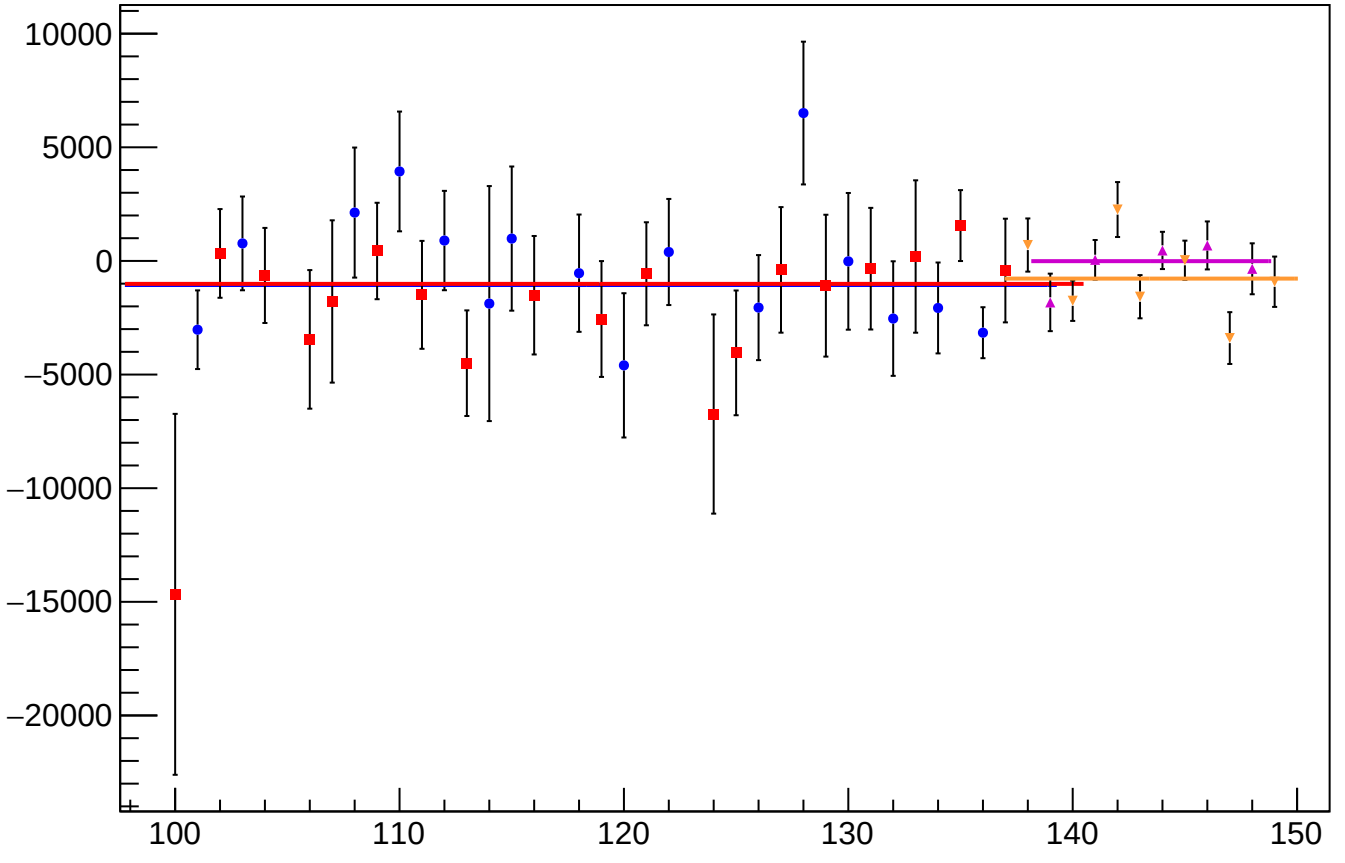
Left In: 92.948+/-0.032 χ^2/NDF:26198.4/4

+ sign 99.284+/-0.020 χ^2/NDF: 554095.7/22

All: 99.674+/-0.014 χ^2/NDF: 1014918.3/46

- 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: -777.363+/-385.438 χ^2/NDF:16.0/6

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

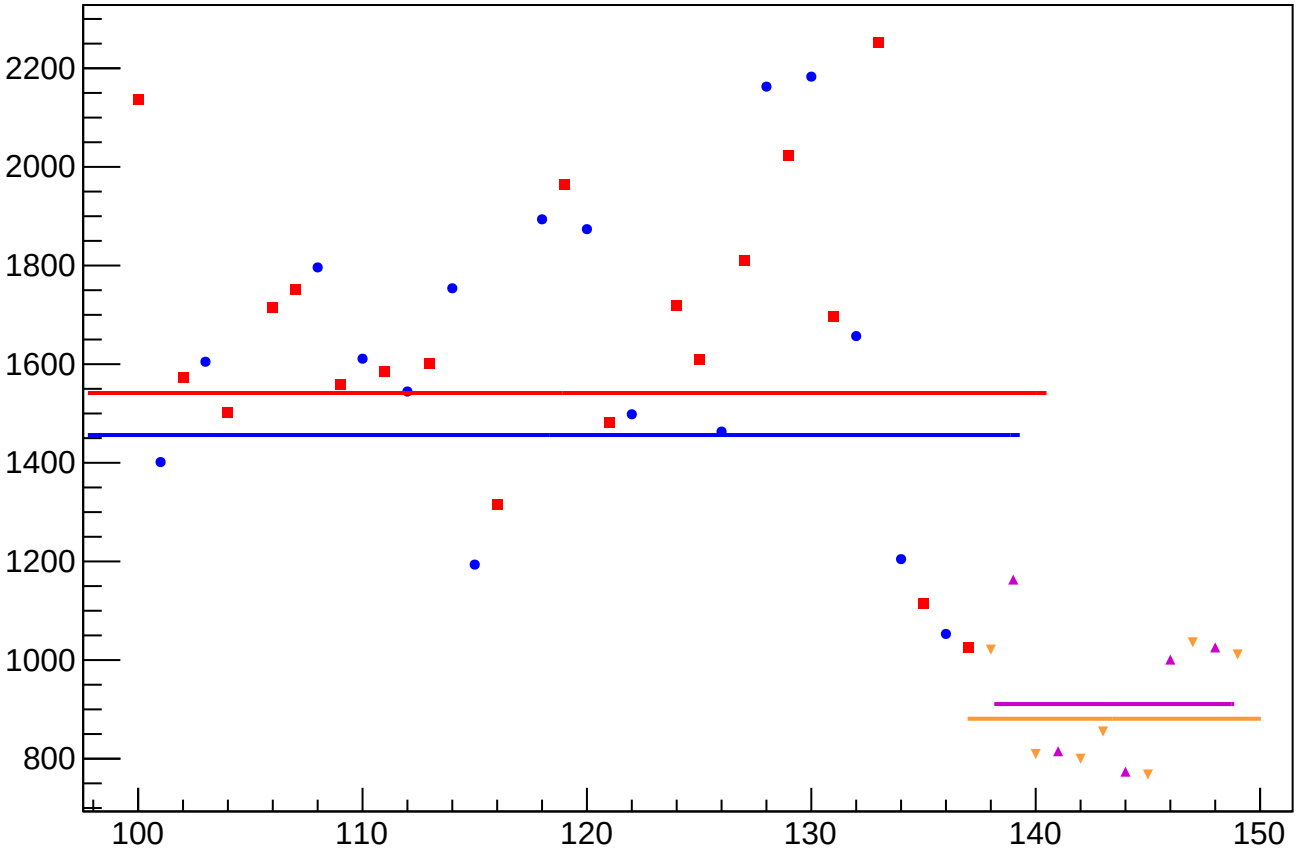
Left In: -9.954+/-441.704 χ^2/NDF:2.9/4

+ sign -868.530+/-317.070 χ^2/NDF: 36.2/22

All: -648.968+/-235.076 χ^2/NDF: 55.4/46

- 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: 881.044+/-0.273 χ^2/NDF:151384.2/6

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

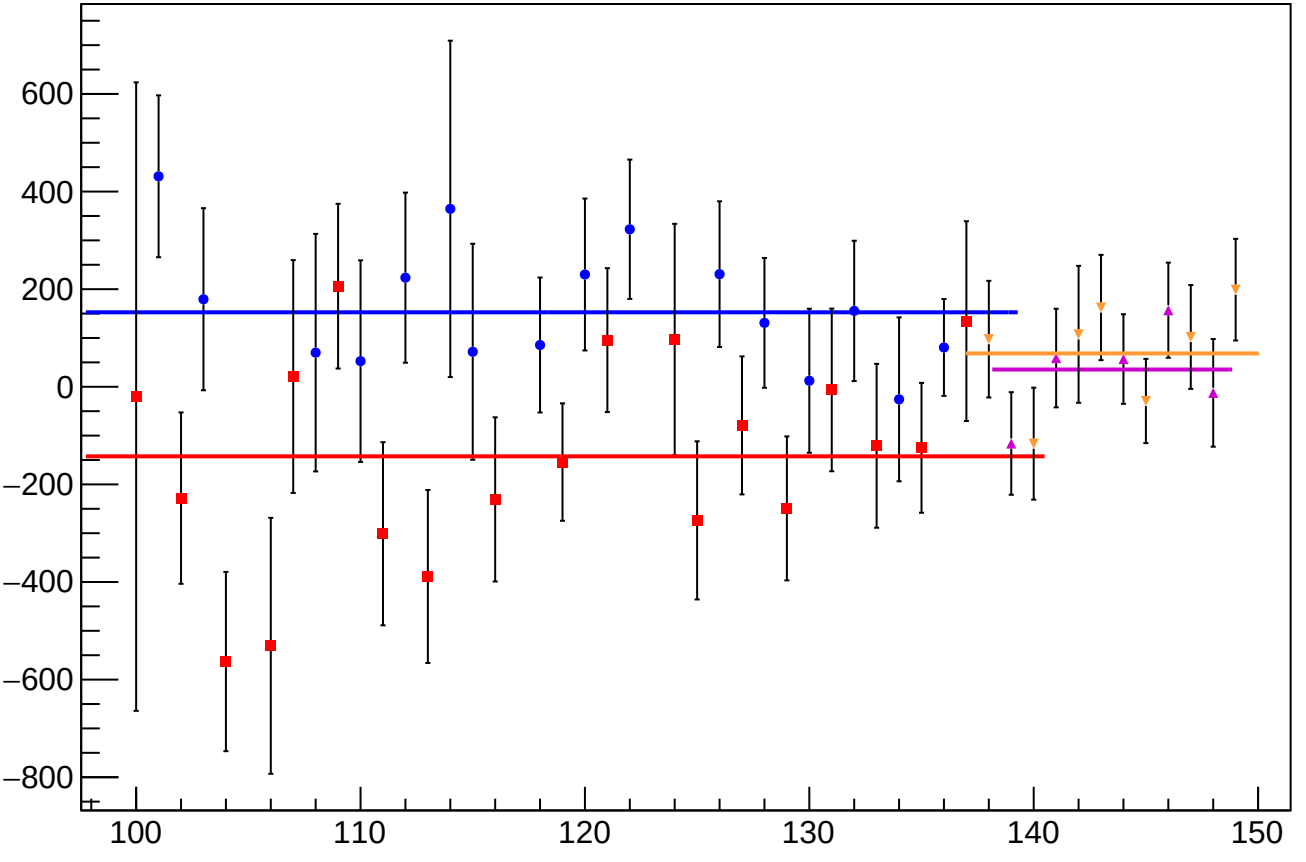
Left In: 910.835+/-0.312 χ^2/NDF:195250.5/4

+ sign 1067.021+/-0.224 χ^2/NDF: 2276456.7/22

All: 1102.064+/-0.166 χ^2/NDF: 4558165.8/46

- 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: 68.360+/-40.907 χ^2/NDF:6.4/6

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

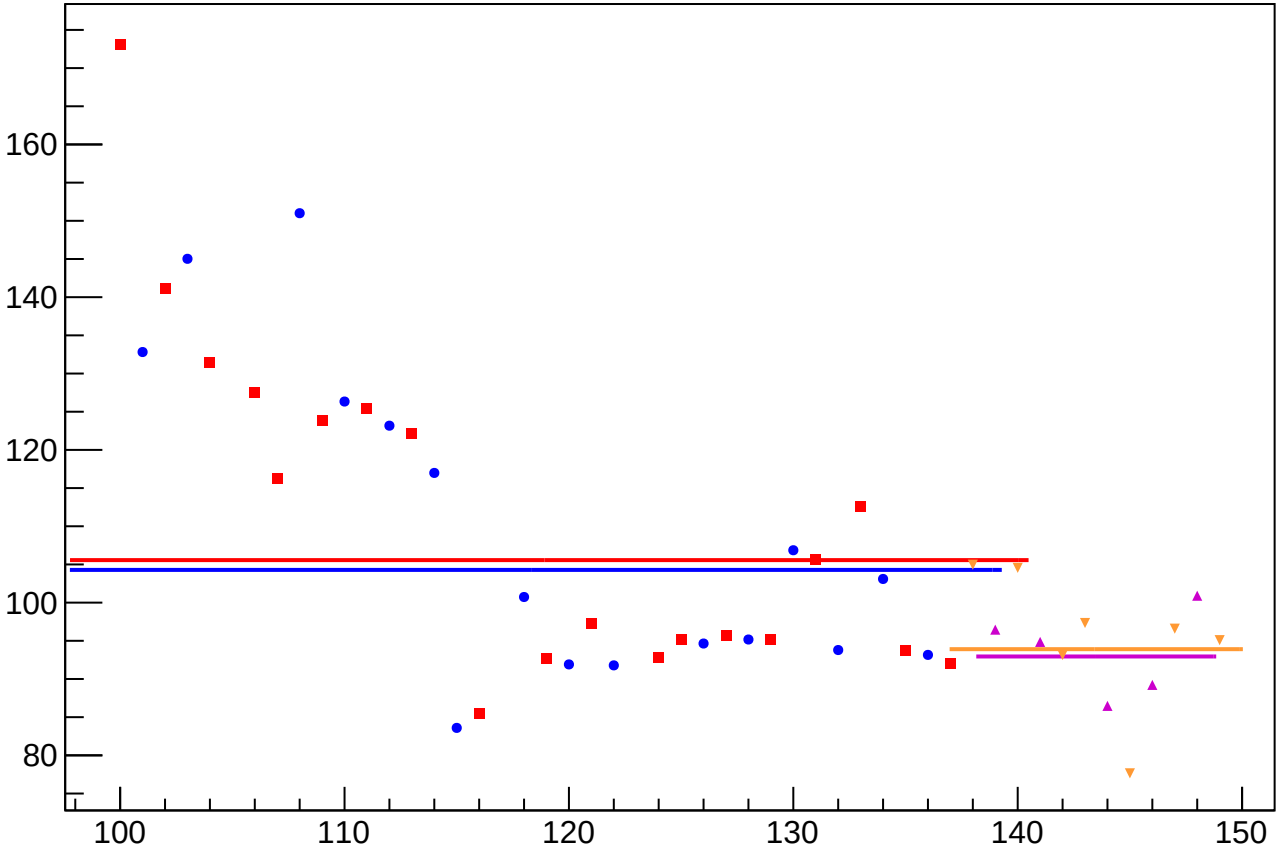
Left In: 35.363+/-44.968 χ^2/NDF:3.9/4

+ sign 112.026+/-28.395 χ^2/NDF: 17.3/22

All: 27.031+/-20.494 χ^2/NDF: 71.7/46

- 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: 93.905+/-0.029 χ^2/NDF:109042.0/6

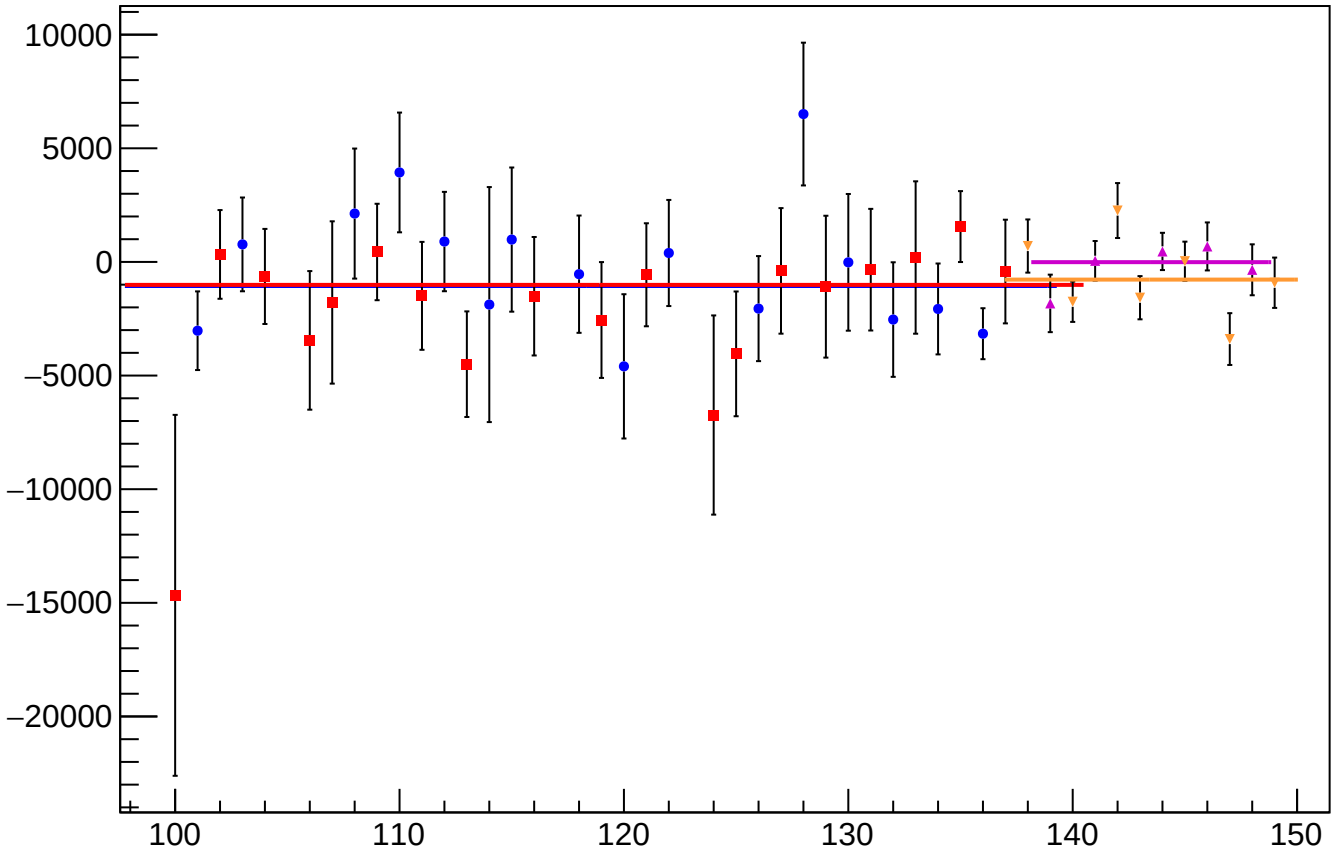
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 92.948+/-0.032 χ^2/NDF:26198.3/4

+ sign 99.284+/-0.020 χ^2/NDF: 554085.4/22

All: 99.673+/-0.014 χ^2/NDF: 1014899.3/46

- 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: -777.364+/-385.437 χ^2/NDF:16.0/6

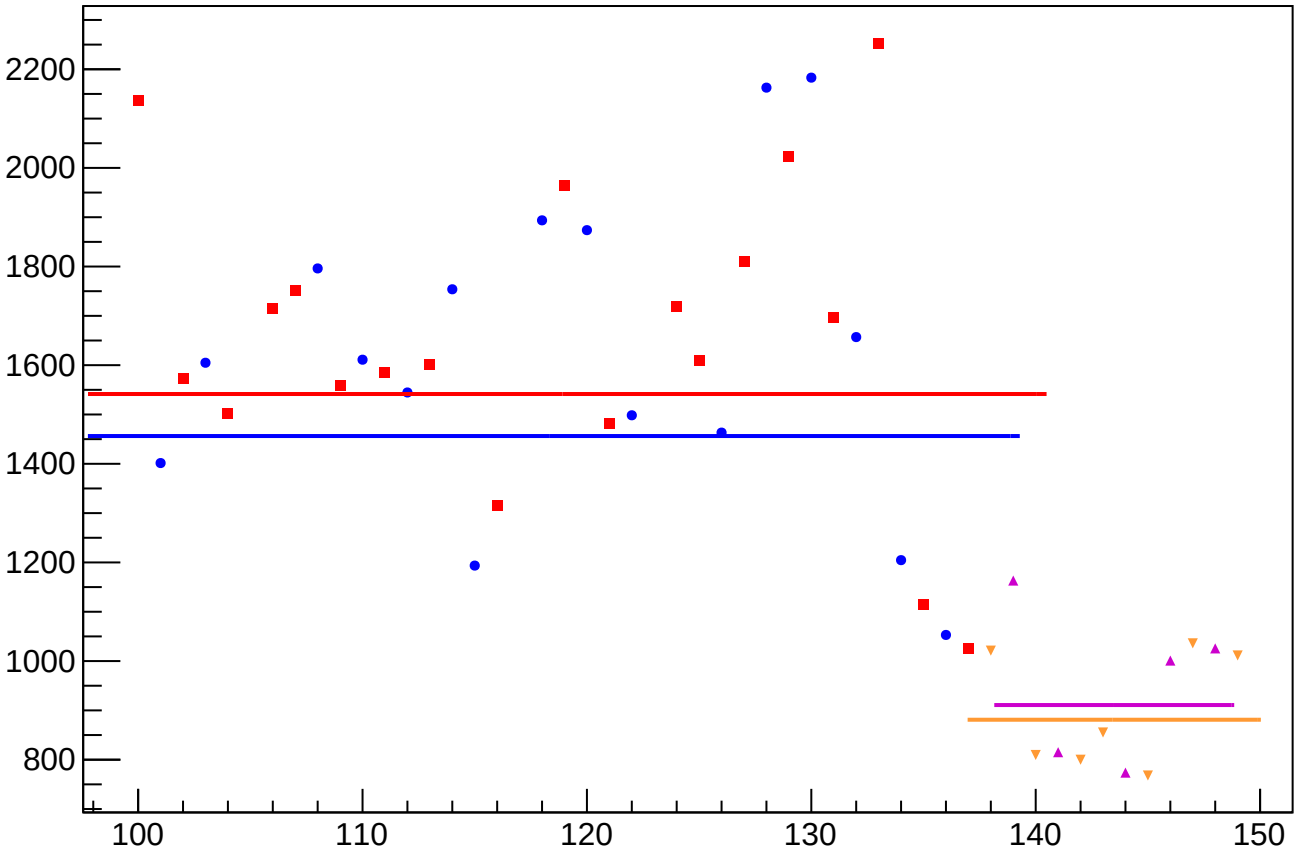
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -9.955+/-441.704 χ^2/NDF:2.9/4

\+ sign -868.529+/-317.069 χ^2/NDF: 36.2/22

All: -648.968+/-235.076 χ^2/NDF: 55.4/46

\- 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: 881.043+/-0.273 χ^2/NDF:151385.0/6

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

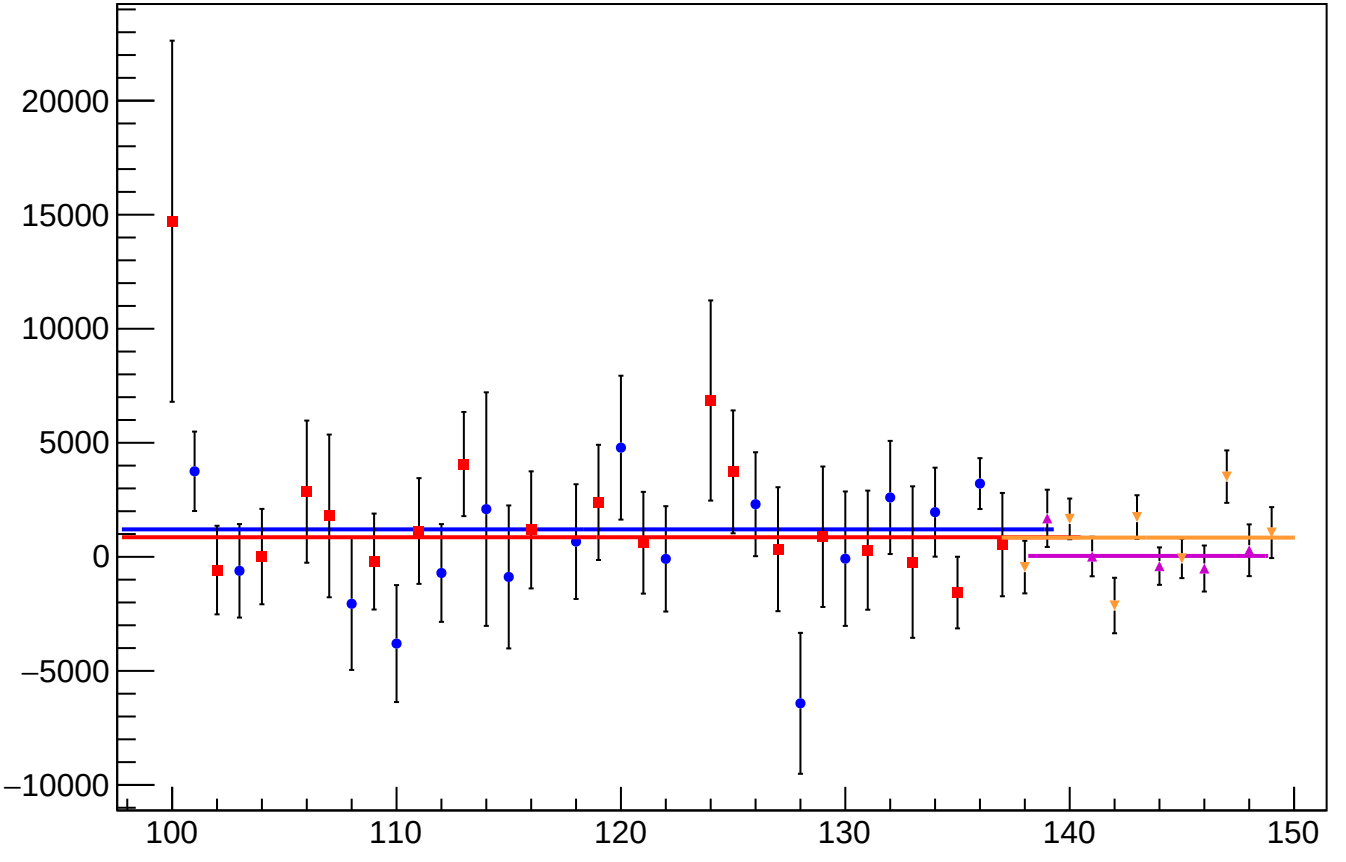
Left In: 910.834+/-0.312 χ^2/NDF:195250.1/4

+ sign 1067.019+/-0.224 χ^2/NDF: 2276452.2/22

All: 1102.062+/-0.166 χ^2/NDF: 4558155.8/46

- 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: 843.638+/-387.044 χ^2/NDF:15.5/6

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

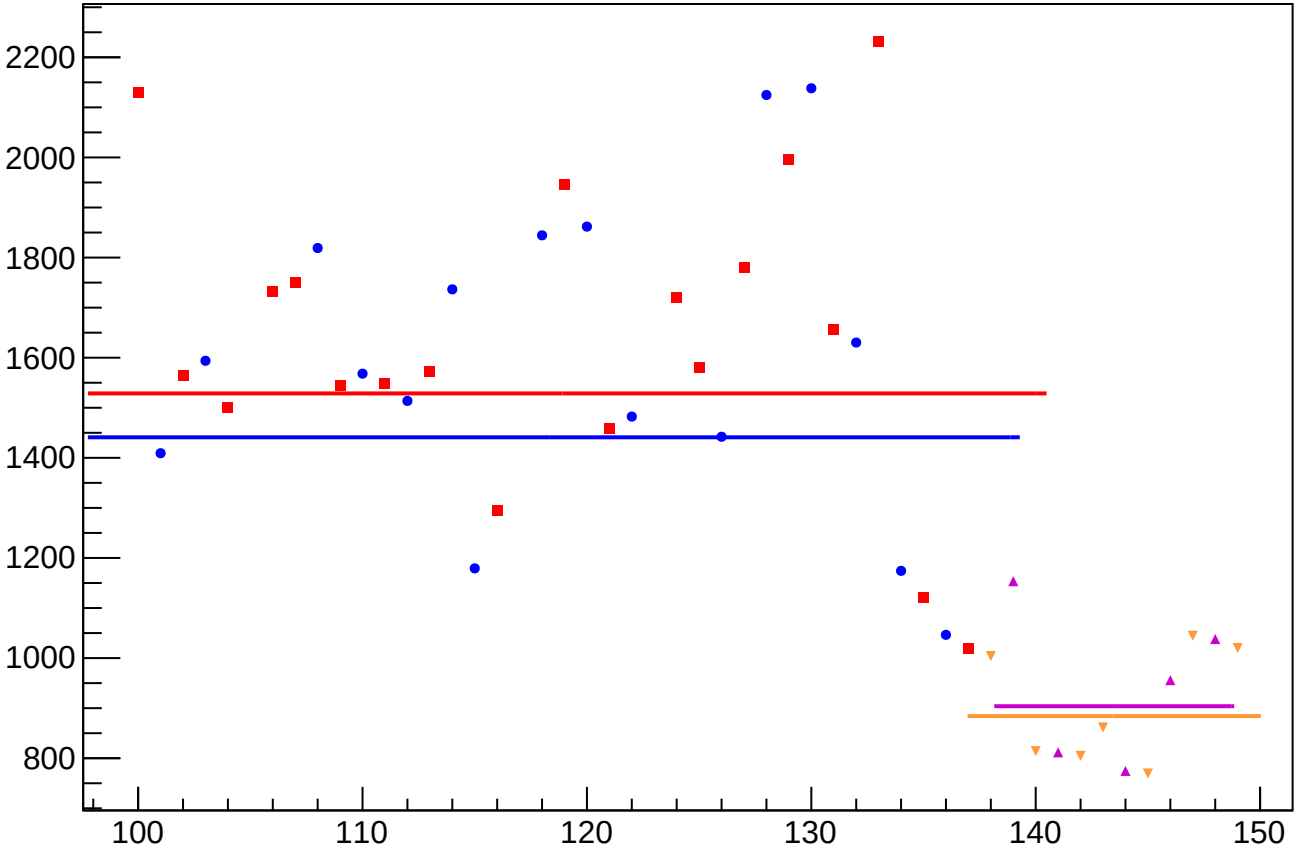
Left In: 40.592+/-438.227 χ^2/NDF:2.4/4

+ sign 962.718+/-316.853 χ^2/NDF: 37.0/22

All: 682.061+/-234.138 χ^2/NDF: 54.9/46

- sign 344.474+/-347.507 χ^2/NDF: 16.2/23

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 884.174+/-0.274 χ^2/NDF:147534.8/6

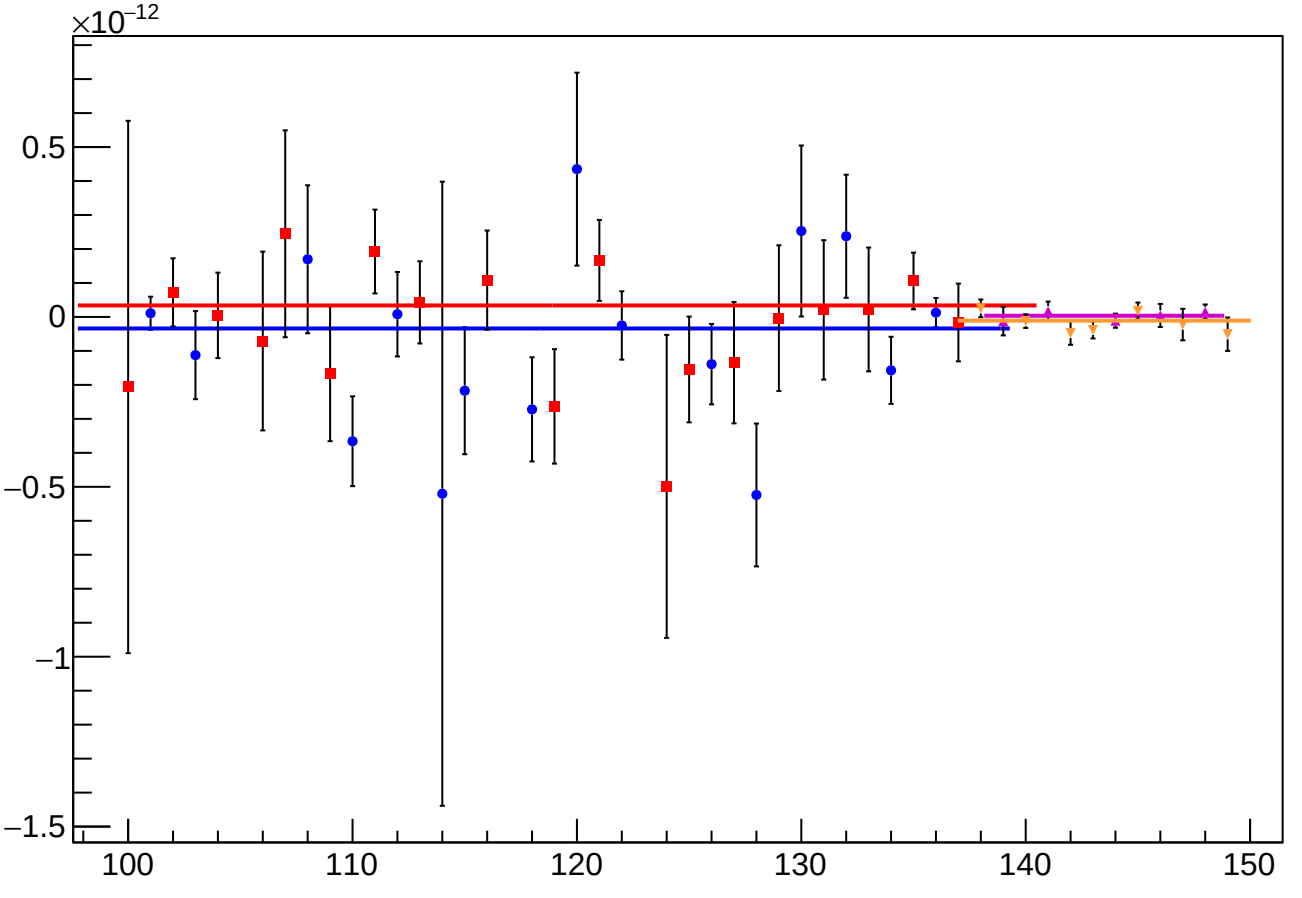
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 903.895+/-0.310 χ^2/NDF:184659.3/4

+ sign 1067.830+/-0.224 χ^2/NDF: 2183588.8/22

All: 1098.681+/-0.166 χ^2/NDF: 4420545.2/46

- 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:6.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

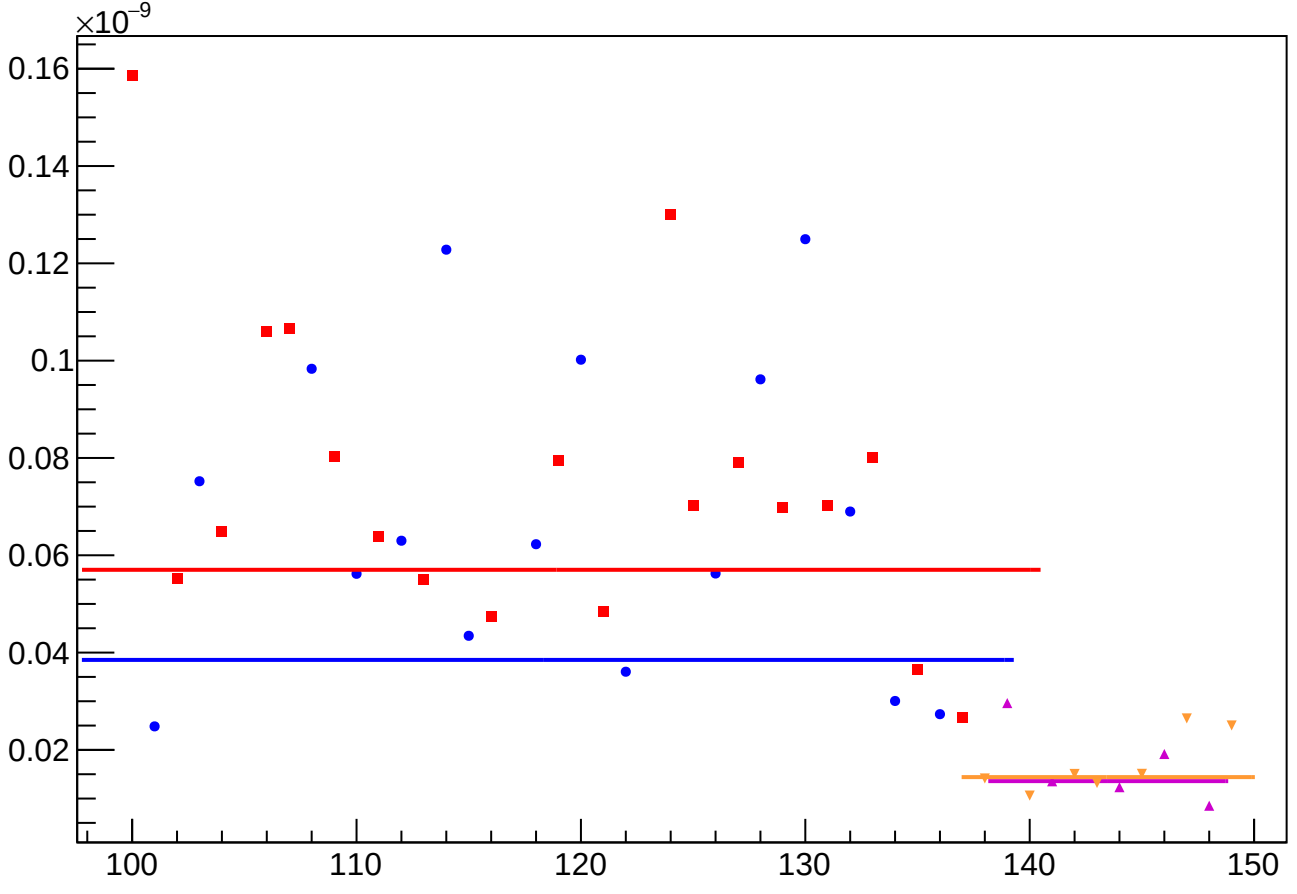
Left In: 0.000+/-0.000 χ^2/NDF:1.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 34.4/22

All: -0.000+/-0.000 χ^2/NDF: 51.3/46

- sign 0.000+/-0.000 χ^2/NDF: 14.9/23

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:306852.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

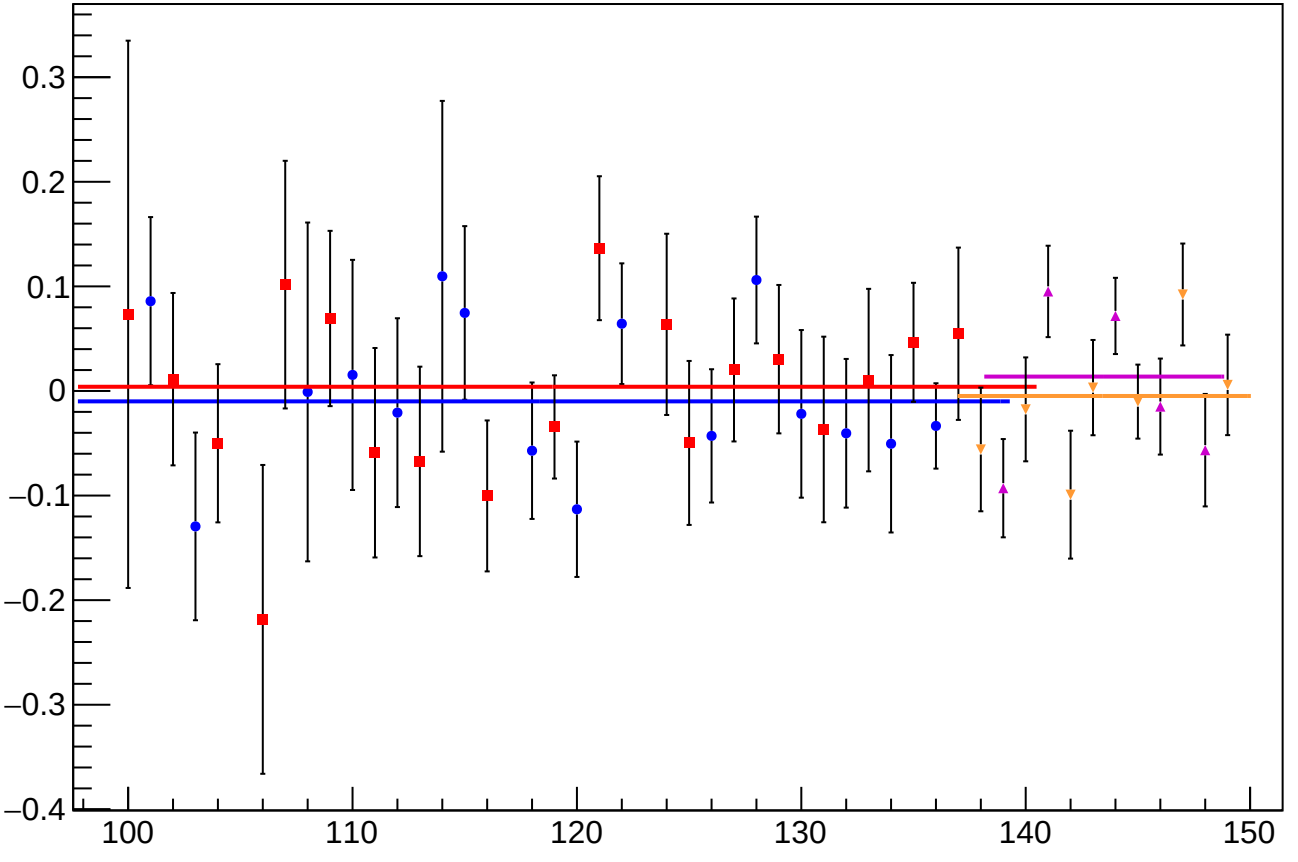
Left In: 0.000+/-0.000 χ^2/NDF:463330.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 3256795.5/22

All: 0.000+/-0.000 χ^2/NDF: 7325389.7/46

- sign 0.000+/-0.000 χ^2/NDF: 4068114.4/23

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.005+/-0.018 χ^2/NDF:7.3/6

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

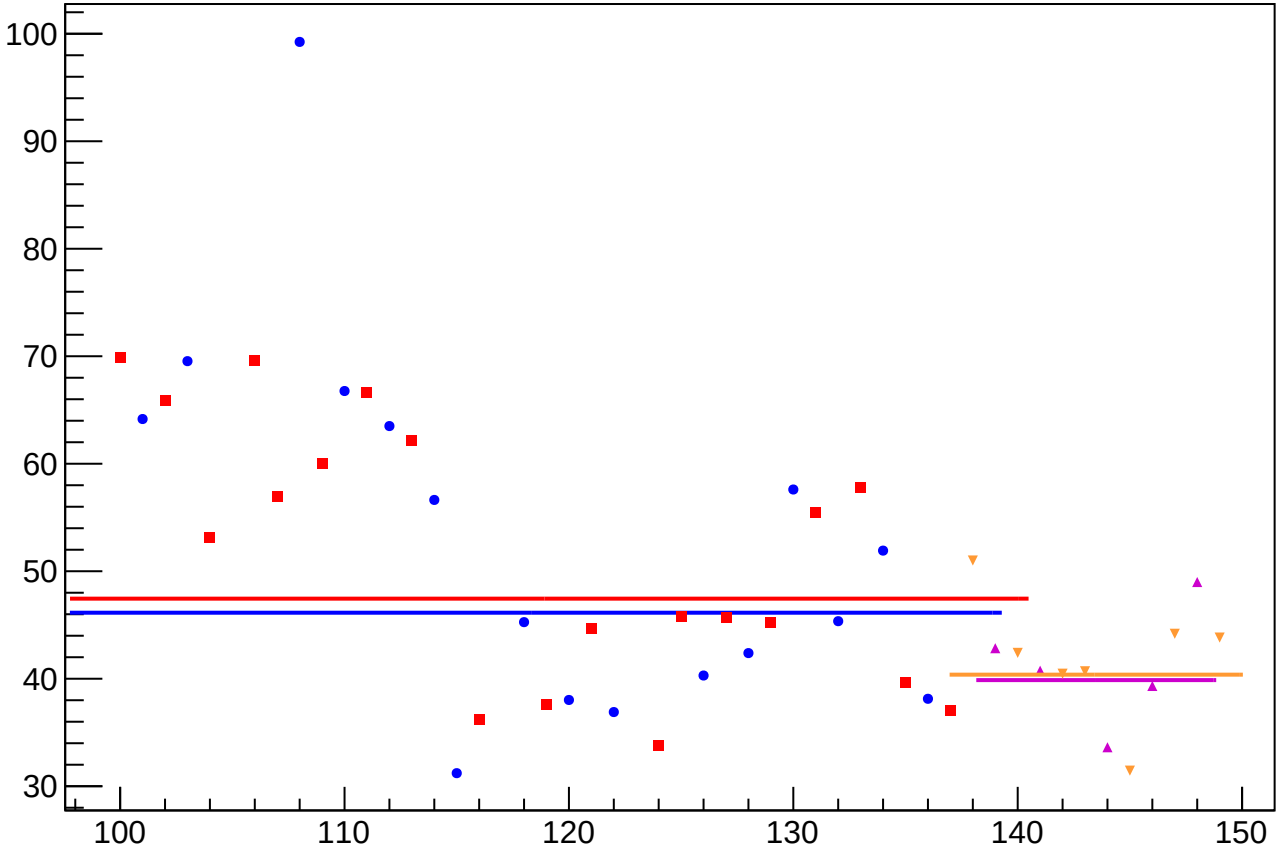
Left In: 0.014+/-0.020 χ^2/NDF:13.3/4

+ sign -0.007+/-0.013 χ^2/NDF: 21.5/22

All: 0.000+/-0.009 χ^2/NDF: 49.5/46

- 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: 40.379+/-0.013 χ^2/NDF:217844.2/6

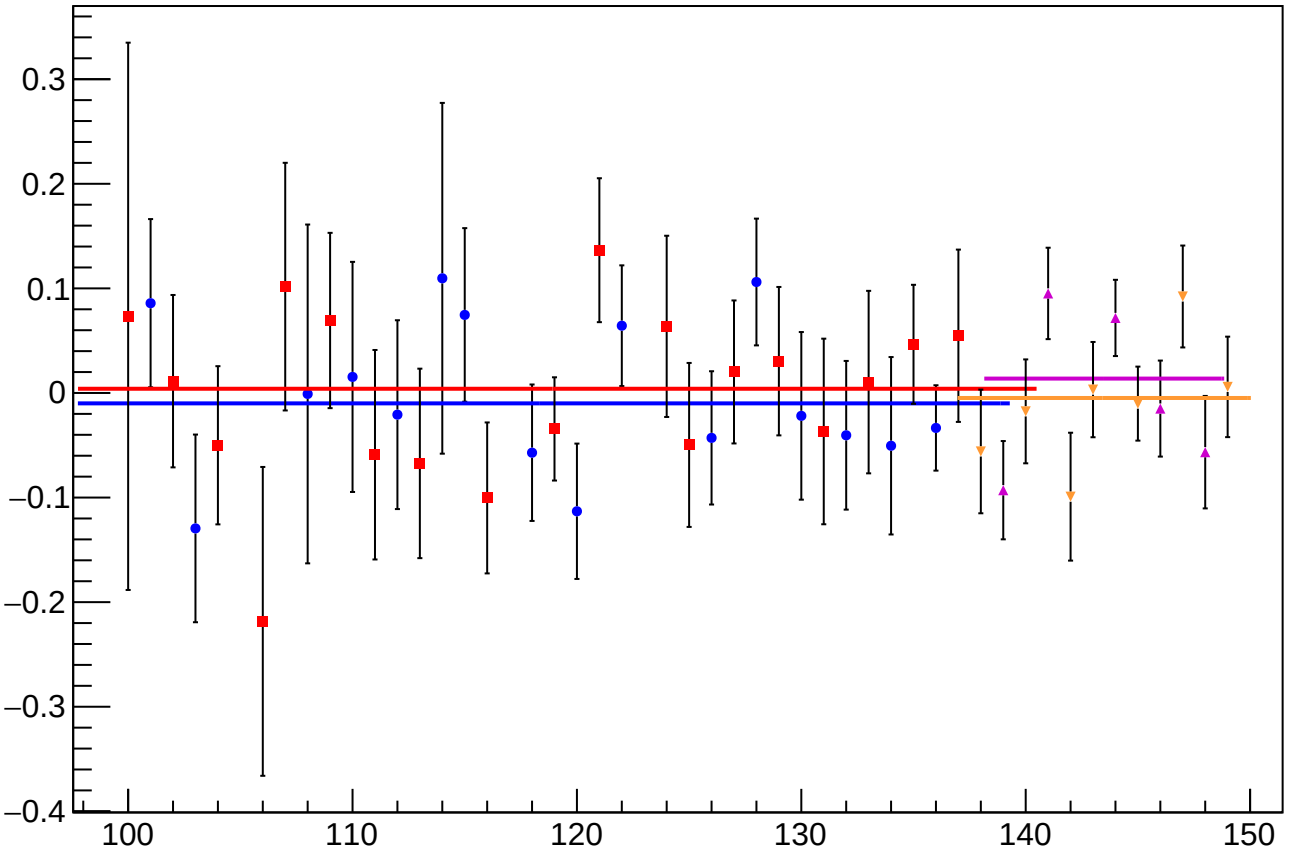
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.871+/-0.014 χ^2/NDF:125402.8/4

+ sign 43.258+/-0.009 χ^2/NDF: 1223791.1/22

All: 43.611+/-0.007 χ^2/NDF: 2166777.5/46

- 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: -0.005+/-0.018 χ^2/NDF:7.3/6

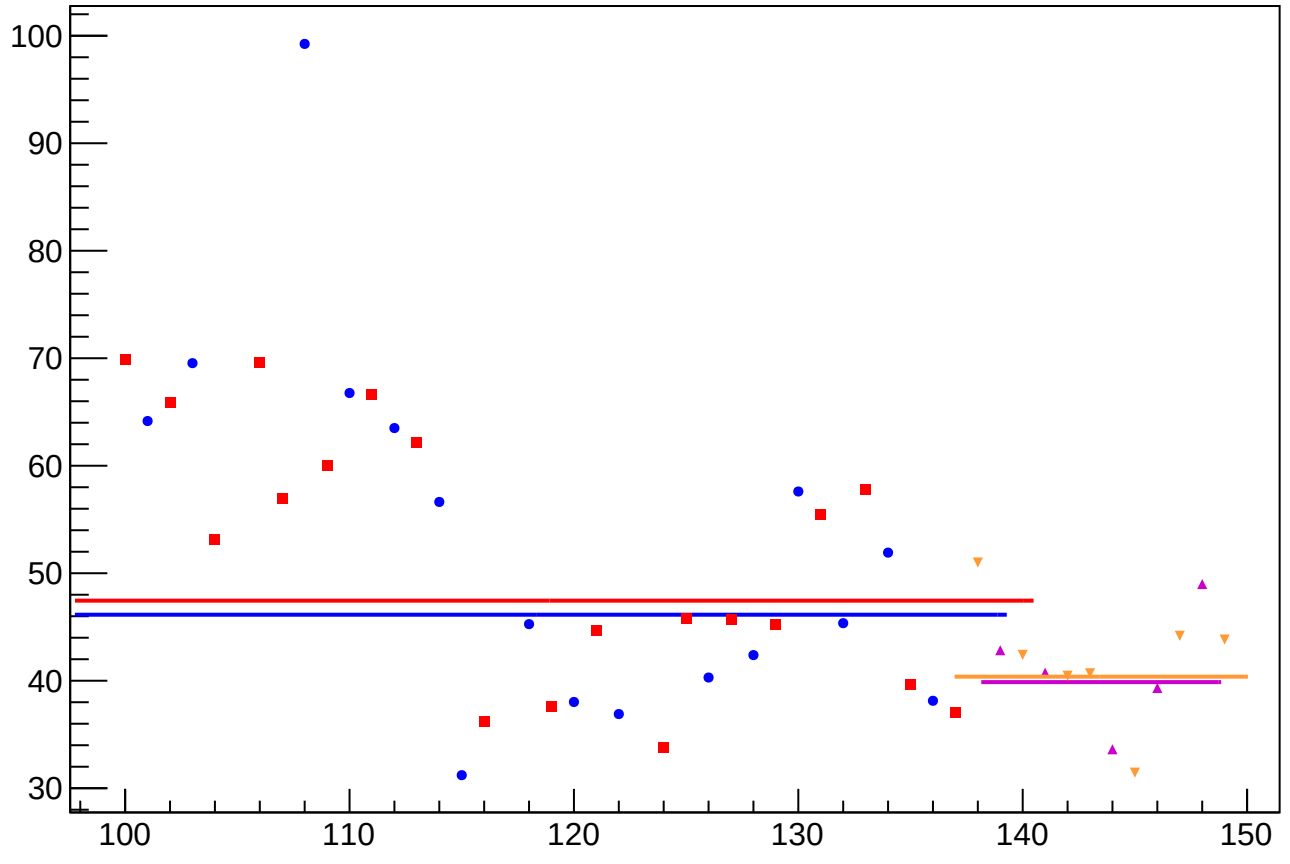
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.014+/-0.020 χ^2/NDF:13.3/4

+ sign -0.007+/-0.013 χ^2/NDF: 21.5/22

All: 0.000+/-0.009 χ^2/NDF: 49.5/46

- 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: 40.379+/-0.013 χ^2/NDF:217844.2/6

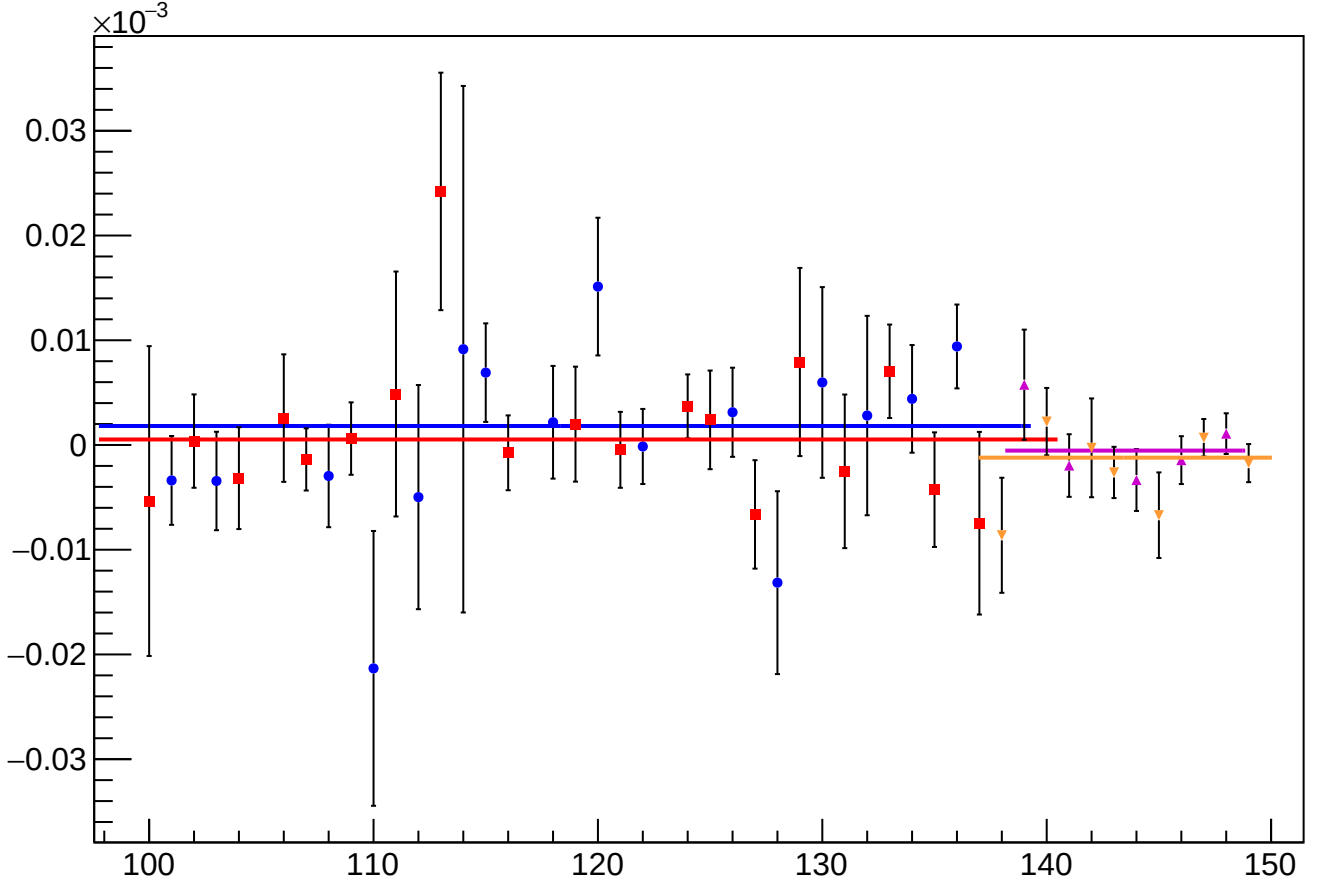
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.871+/-0.014 χ^2/NDF:125402.8/4

+ sign 43.258+/-0.009 χ^2/NDF: 1223791.1/22

All: 43.611+/-0.007 χ^2/NDF: 2166777.5/46

- 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:6.4/6

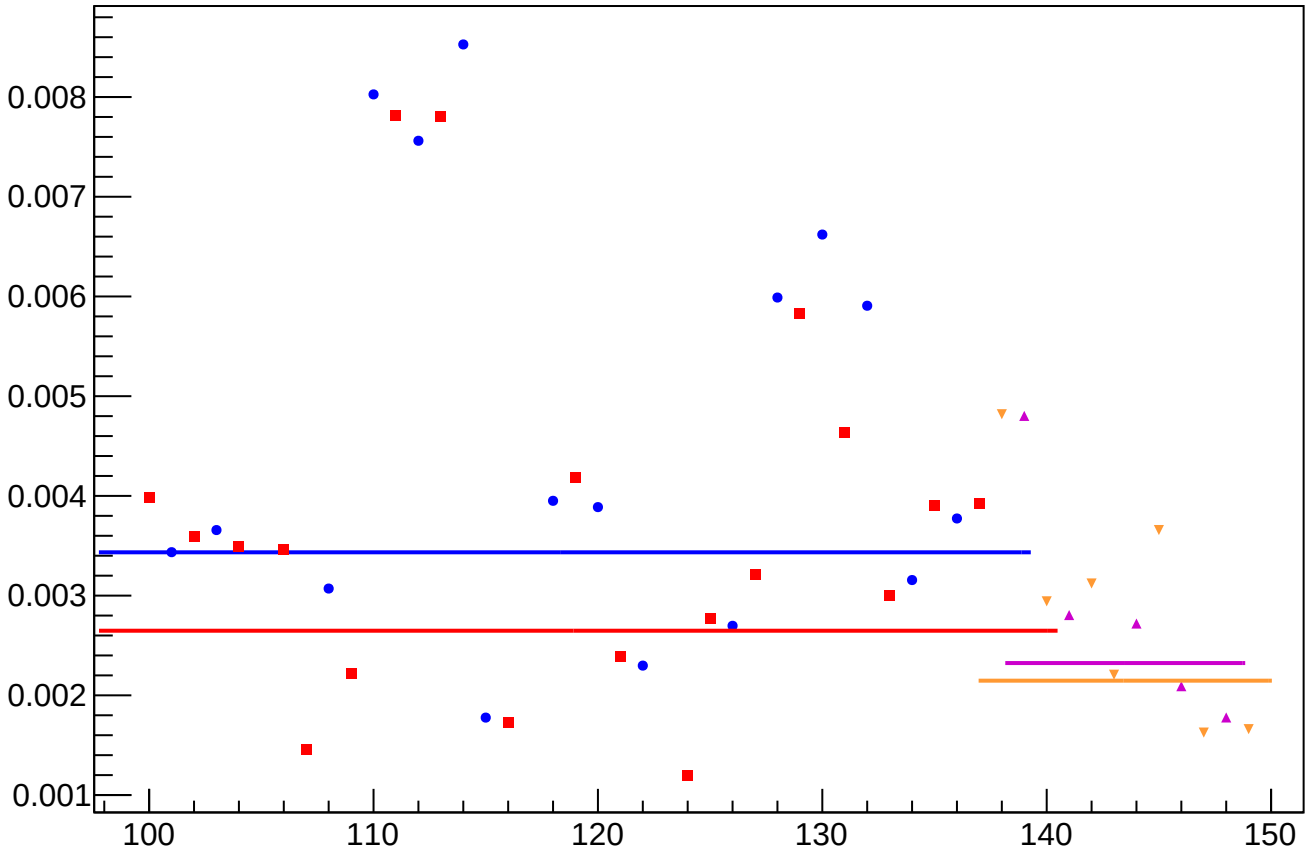
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/4

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/22

All: -0.000+/-0.000 χ^2/NDF: 47.2/46

- 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:1267835.8/6

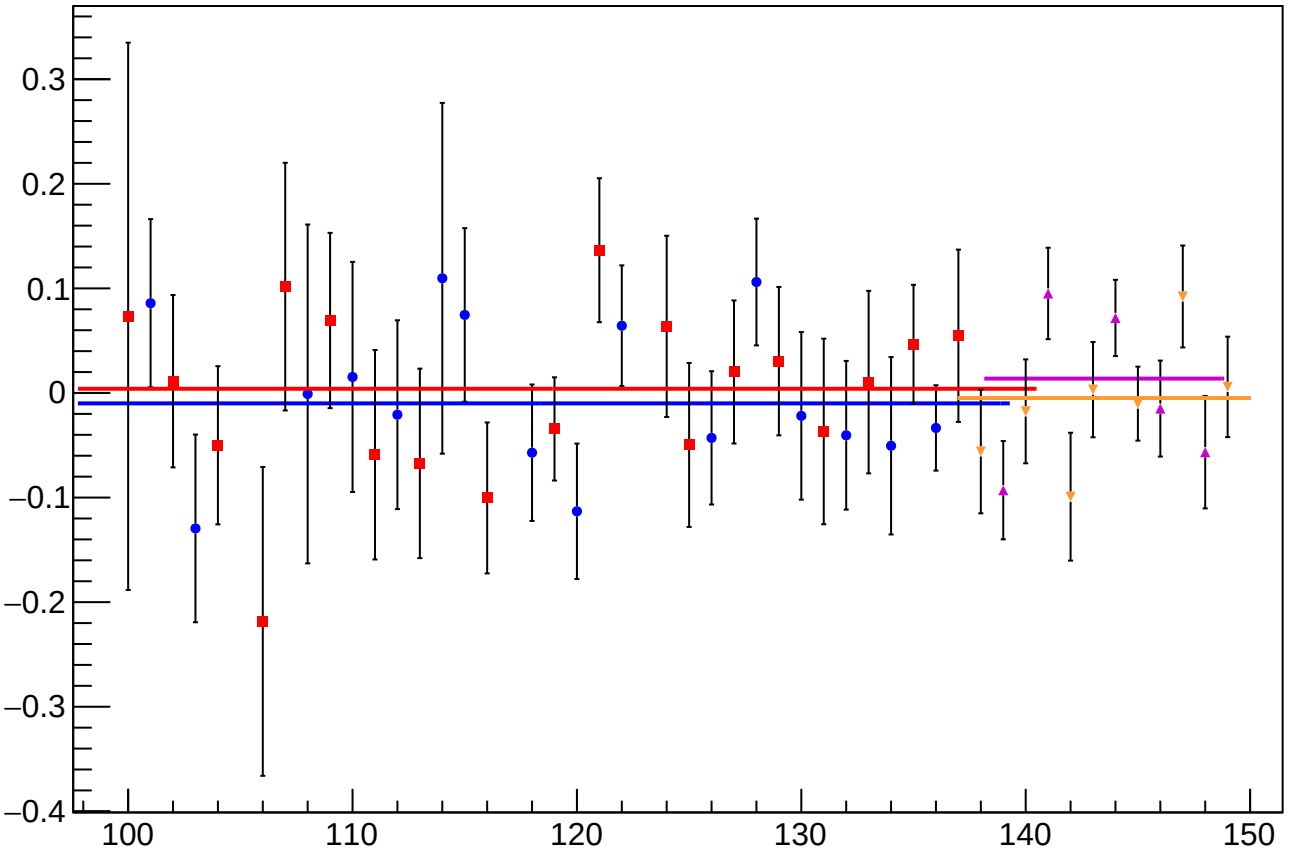
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:710082.3/4

+ sign 0.003+/-0.000 χ^2/NDF: 4172271.0/22

All: 0.003+/-0.000 χ^2/NDF: 7673385.4/46

- 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: -0.005+/-0.018 χ^2/NDF:7.3/6

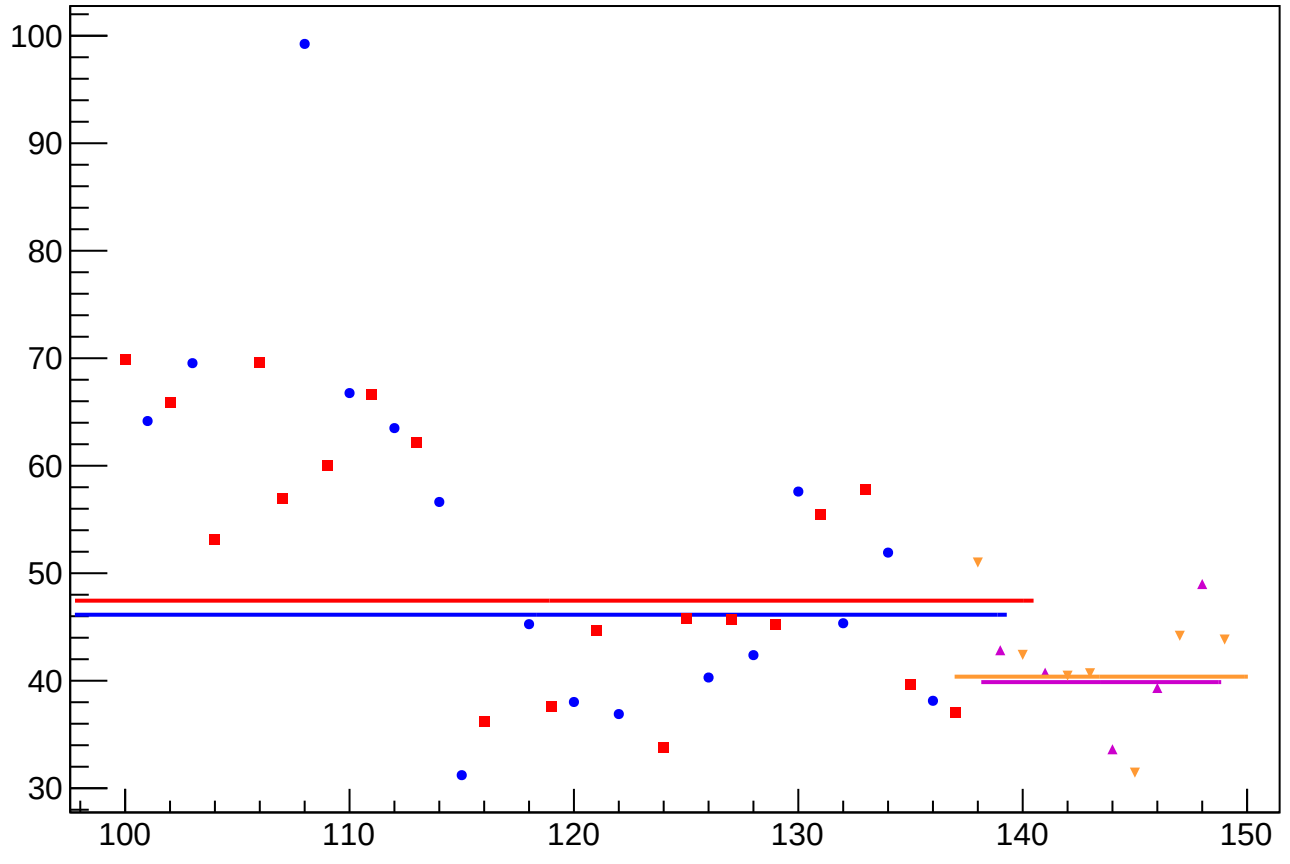
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.014+/-0.020 χ^2/NDF:13.3/4

+ sign -0.007+/-0.013 χ^2/NDF: 21.5/22

All: 0.000+/-0.009 χ^2/NDF: 49.5/46

- 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: 40.379+/-0.013 χ^2/NDF:217841.2/6

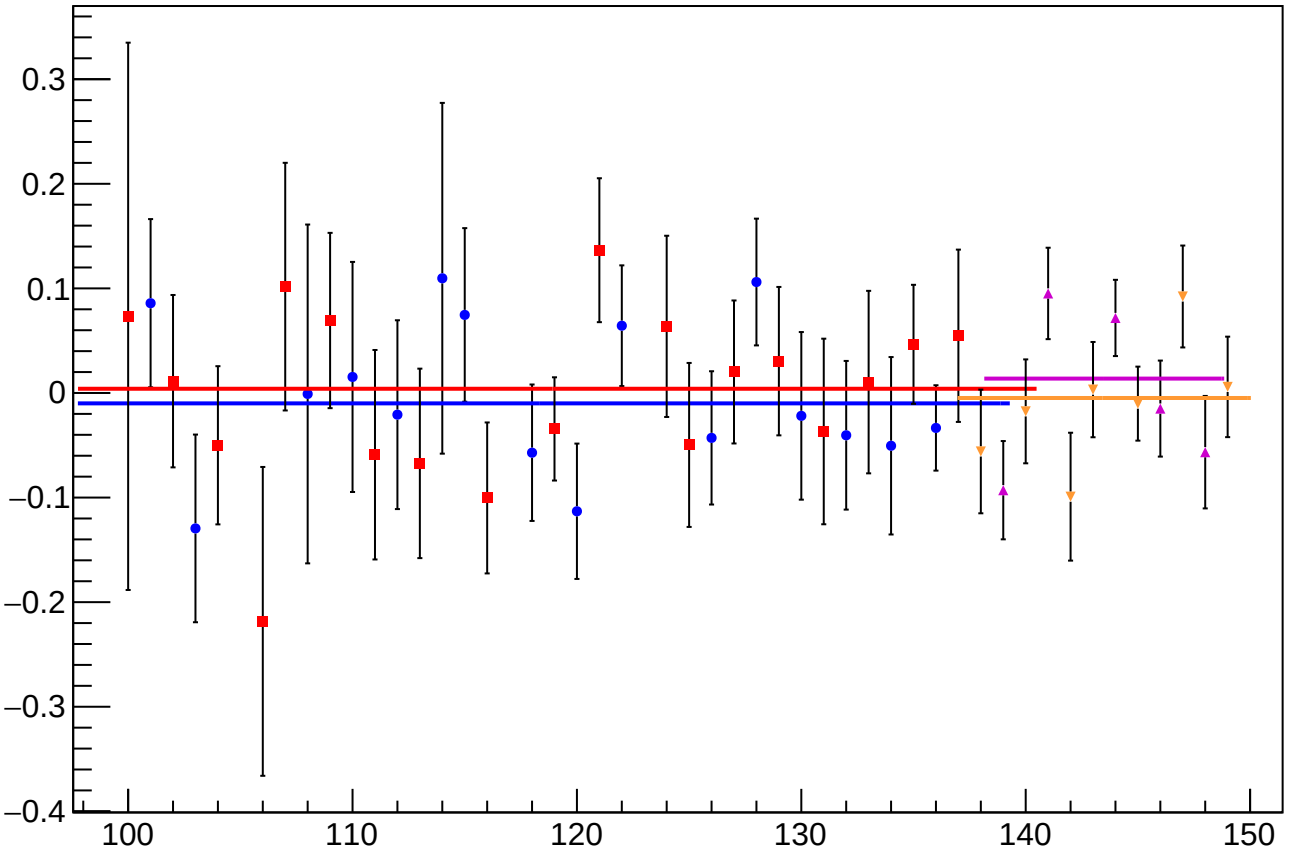
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.871+/-0.014 χ^2/NDF:125403.9/4

+ sign 43.257+/-0.009 χ^2/NDF: 1223705.1/22

All: 43.611+/-0.007 χ^2/NDF: 2166650.6/46

- 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: -0.005+/-0.018 χ^2/NDF:7.3/6

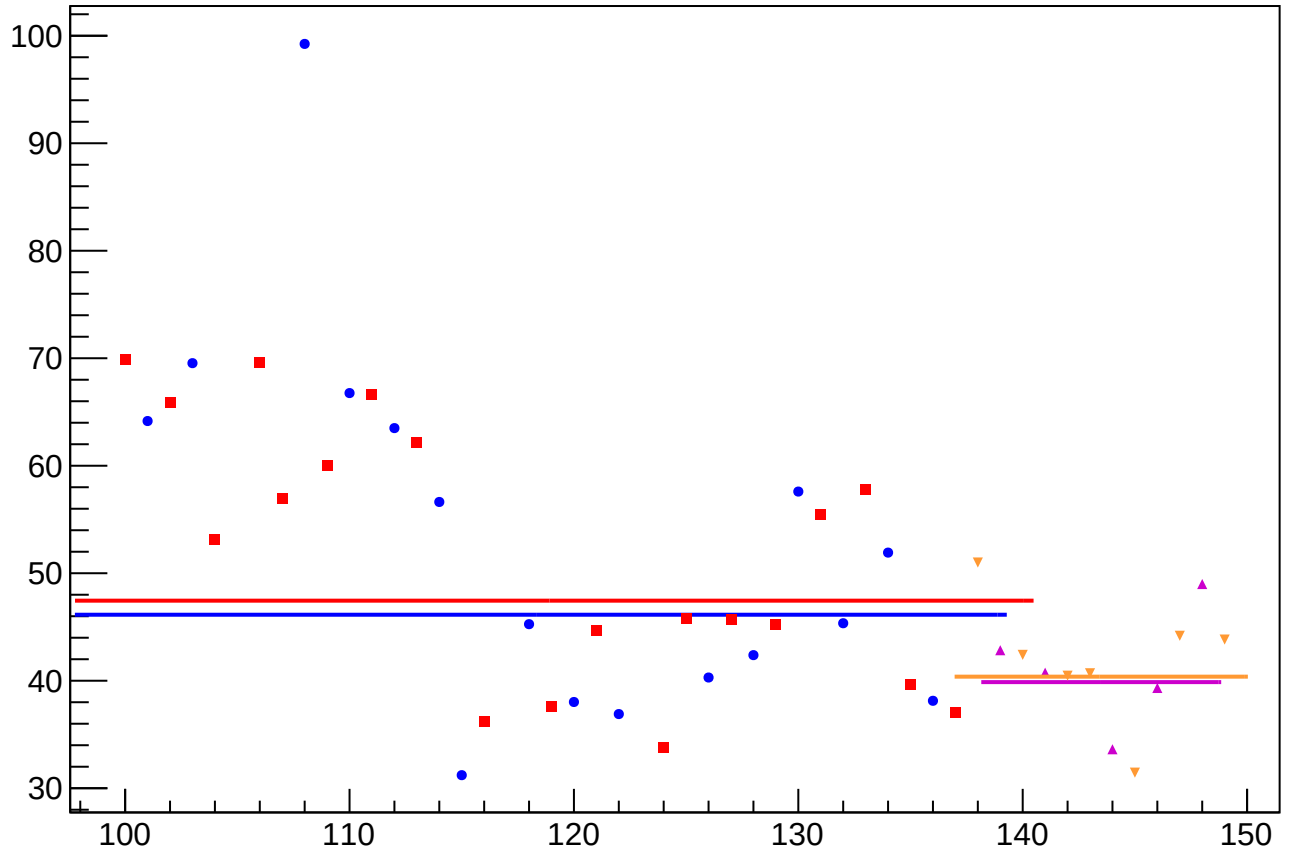
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.014+/-0.020 χ^2/NDF:13.3/4

+ sign -0.007+/-0.013 χ^2/NDF: 21.5/22

All: 0.000+/-0.009 χ^2/NDF: 49.5/46

- 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: 40.379+/-0.013 χ^2/NDF:217841.2/6

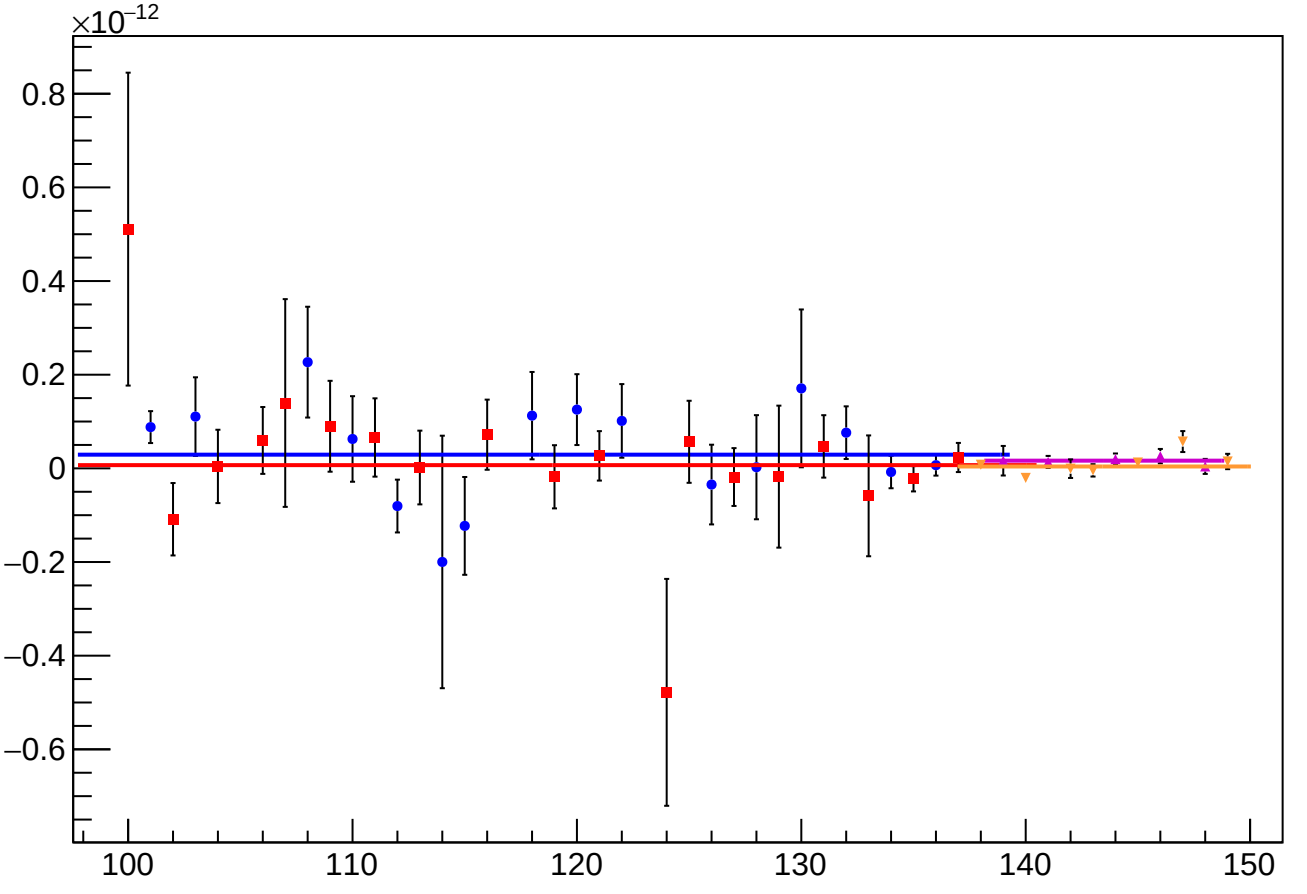
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.871+/-0.014 χ^2/NDF:125403.9/4

+ sign 43.257+/-0.009 χ^2/NDF: 1223705.1/22

All: 43.611+/-0.007 χ^2/NDF: 2166650.6/46

- 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:12.7/6

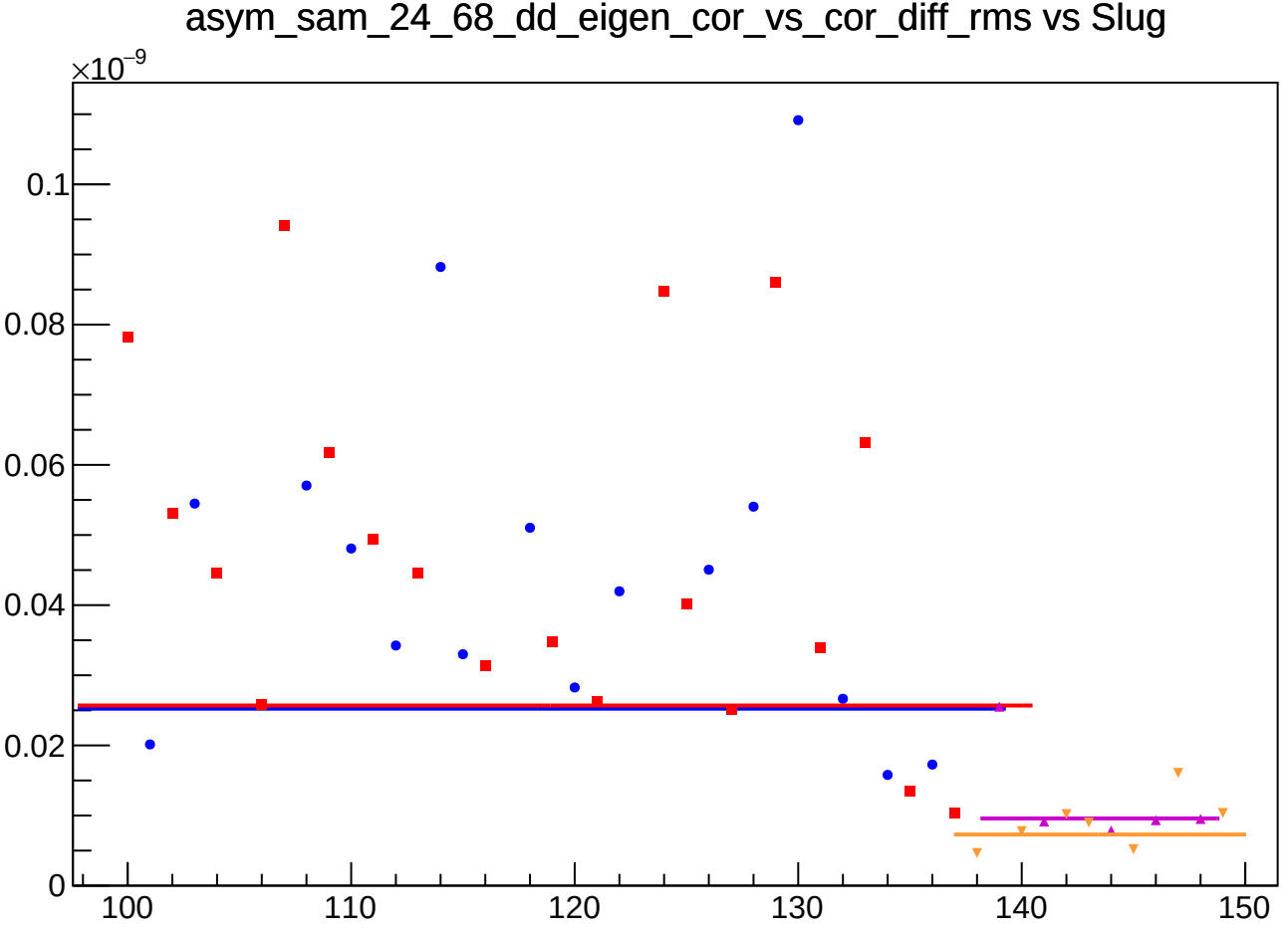
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/22

All: 0.000+/-0.000 χ^2/NDF: 53.6/46

- 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:701057.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

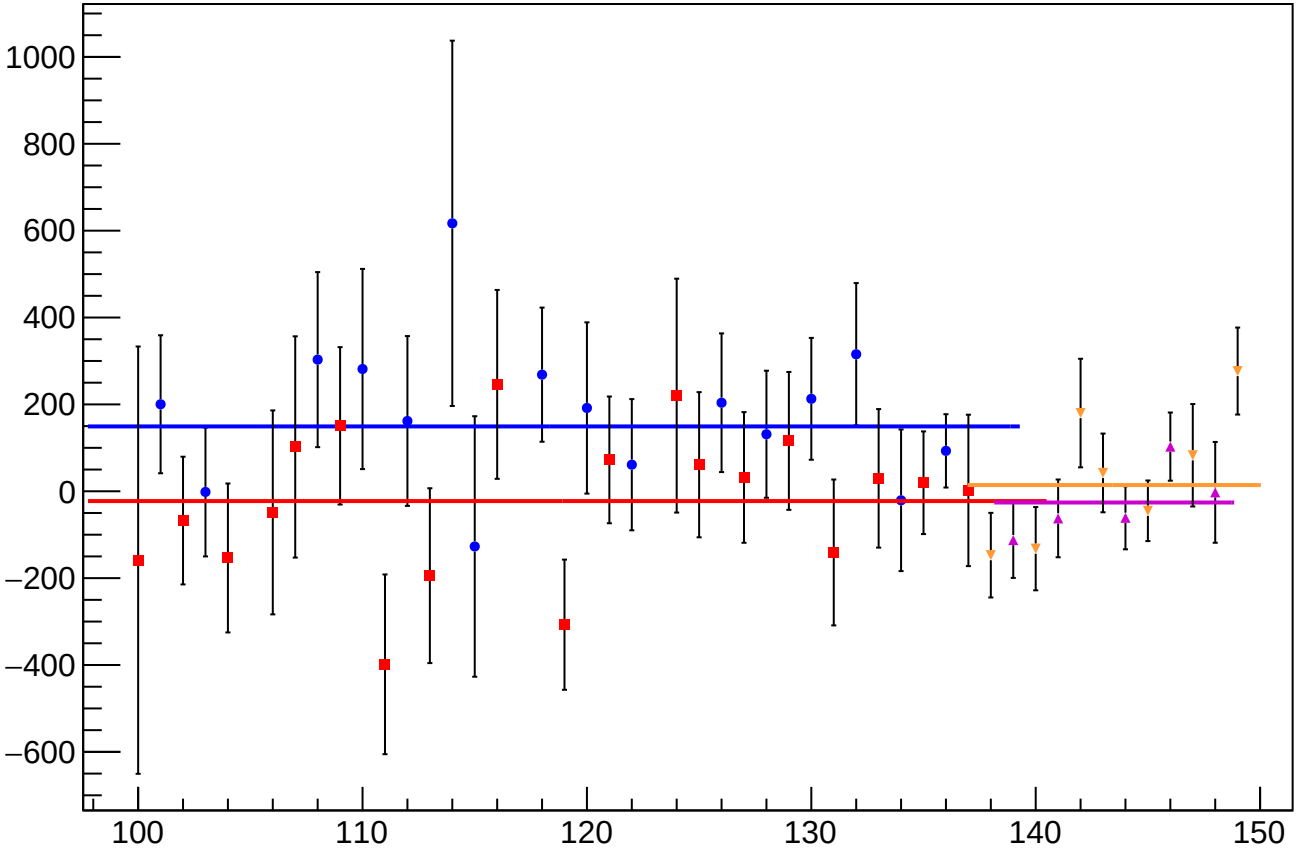
Left In: 0.000+/-0.000 χ^2/NDF:554258.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 5956830.5/22

All: 0.000+/-0.000 χ^2/NDF: 11731187.2/46

- 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: 14.290+/-35.872 χ^2/NDF:14.9/6

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

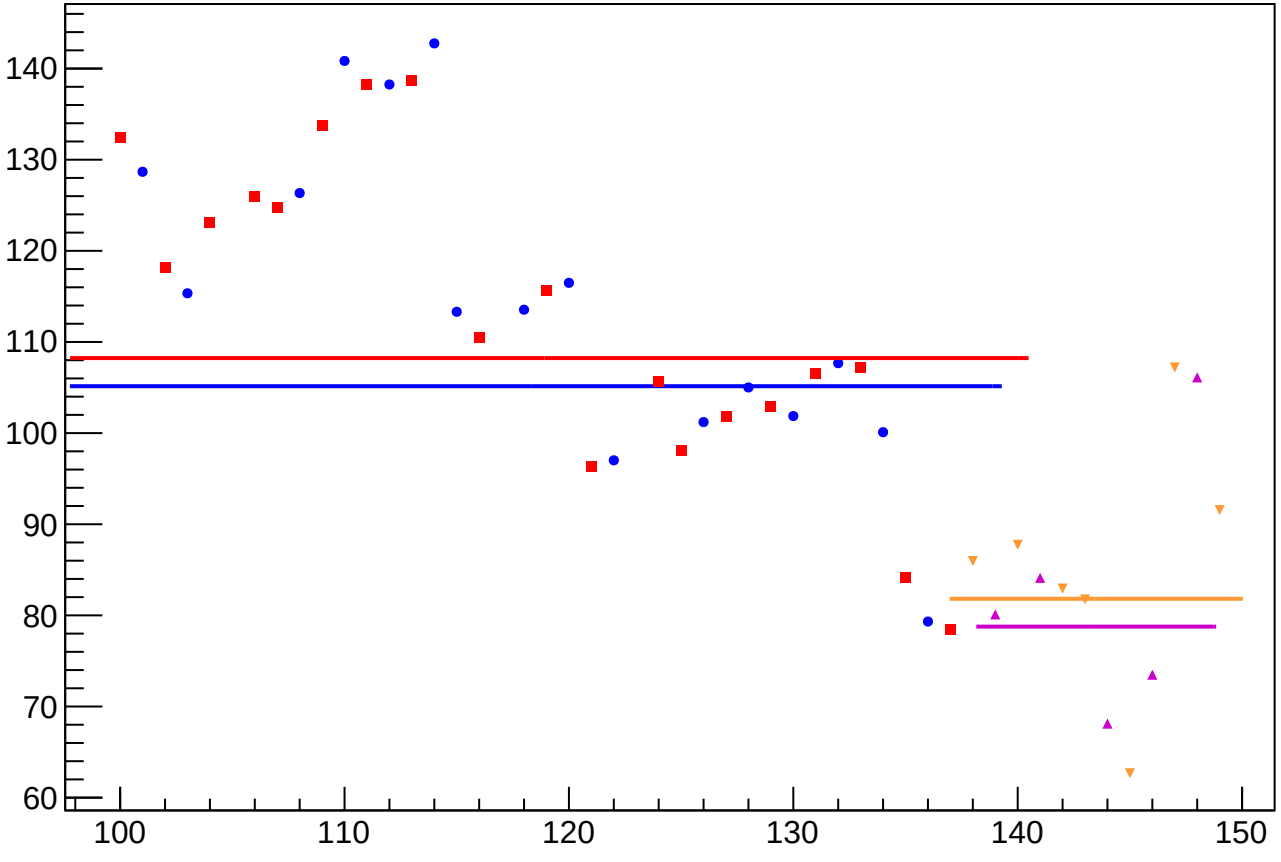
Left In: -25.848+/-38.271 χ^2/NDF:4.1/4

+ sign 74.998+/-26.612 χ^2/NDF: 29.2/22

All: 27.323+/-19.186 χ^2/NDF: 54.3/46

- 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: 81.822+/-0.025 χ^2/NDF:273660.3/6

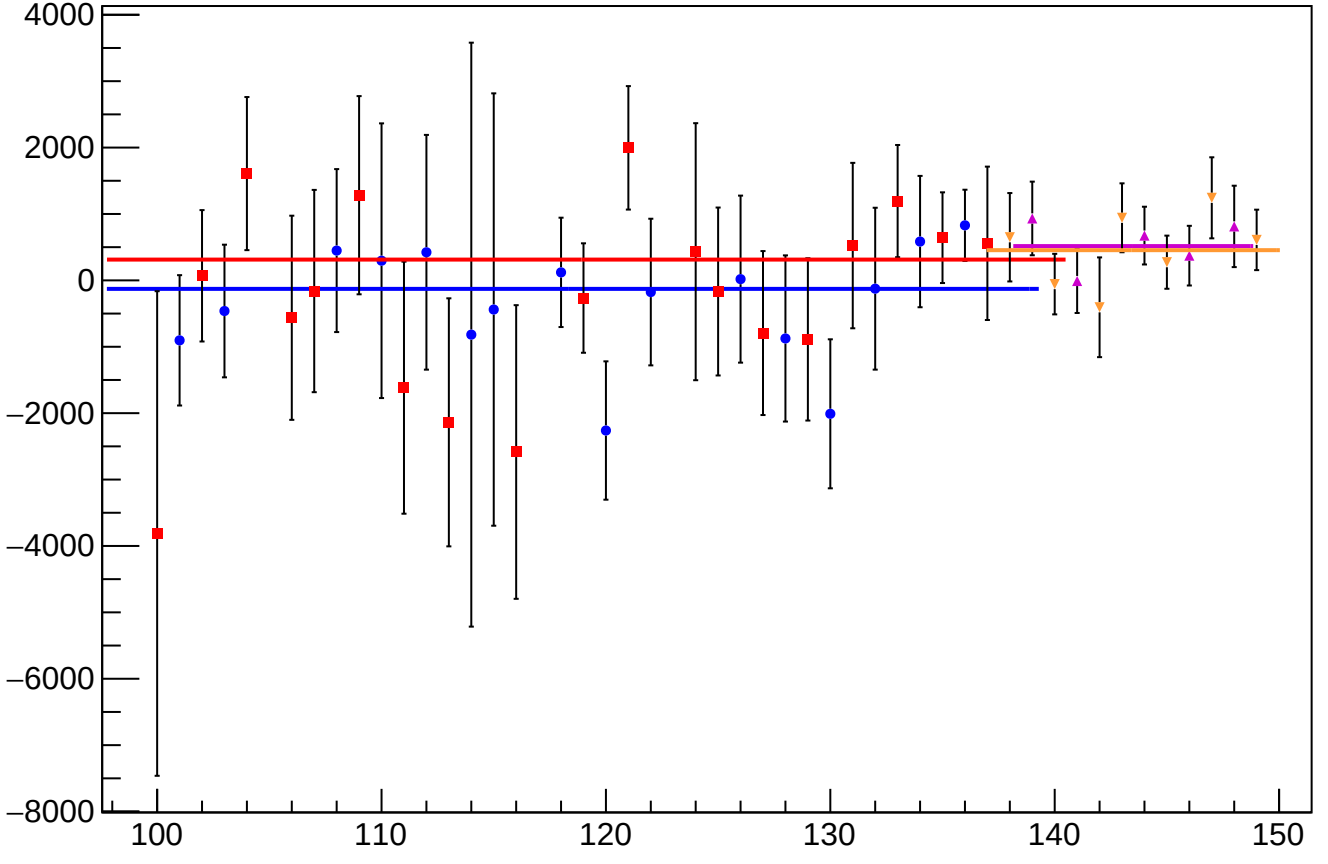
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 78.766+/-0.027 χ^2/NDF:170697.0/4

+ sign 92.309+/-0.019 χ^2/NDF: 1062258.8/22

All: 92.551+/-0.014 χ^2/NDF: 2148398.0/46

- 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: 454.882+/-194.976 χ^2/NDF:5.5/6

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

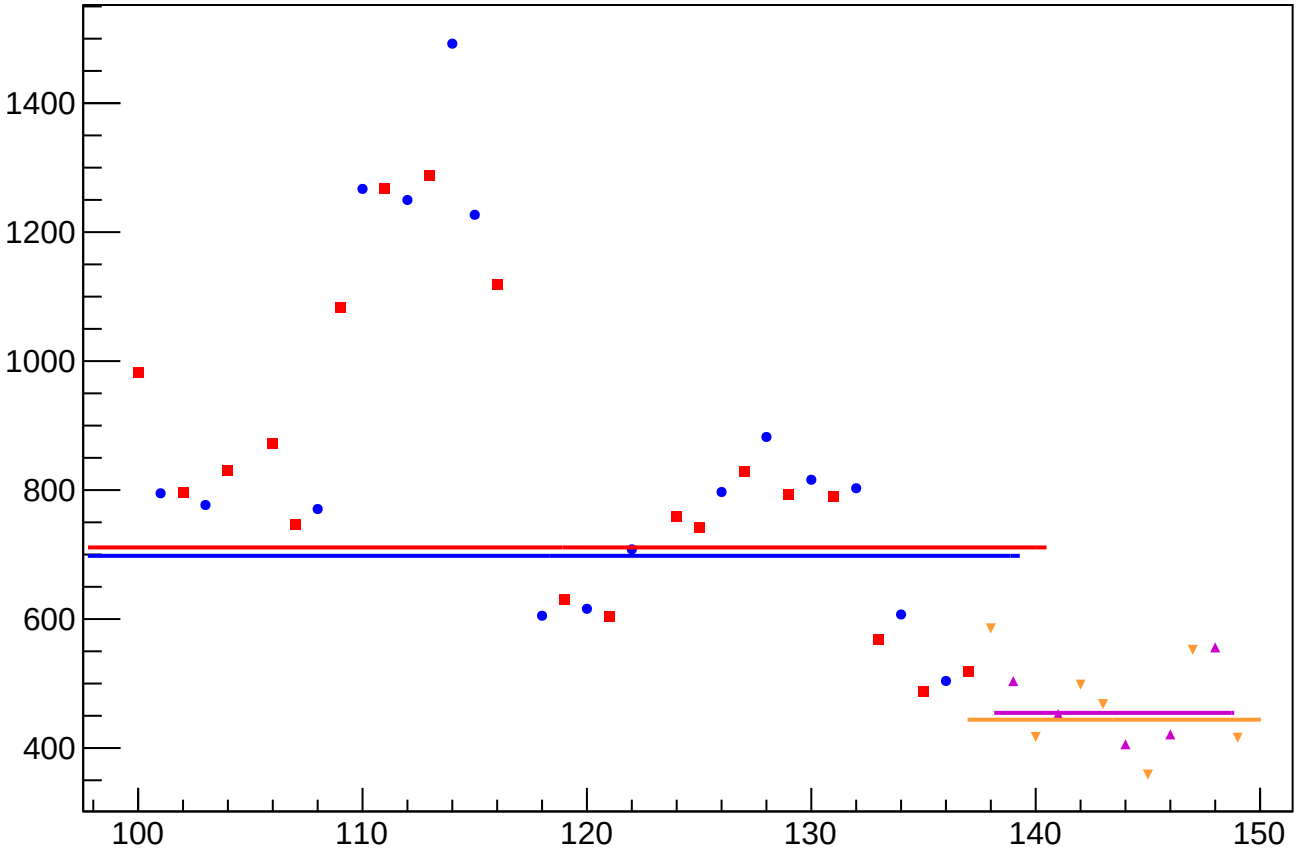
Left In: 516.284+/-221.067 χ^2/NDF:2.2/4

+ sign 253.728+/-157.789 χ^2/NDF: 20.9/22

All: 336.939+/-115.989 χ^2/NDF: 39.1/46

- 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: 443.948+/-0.138 χ^2/NDF:273101.5/6

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

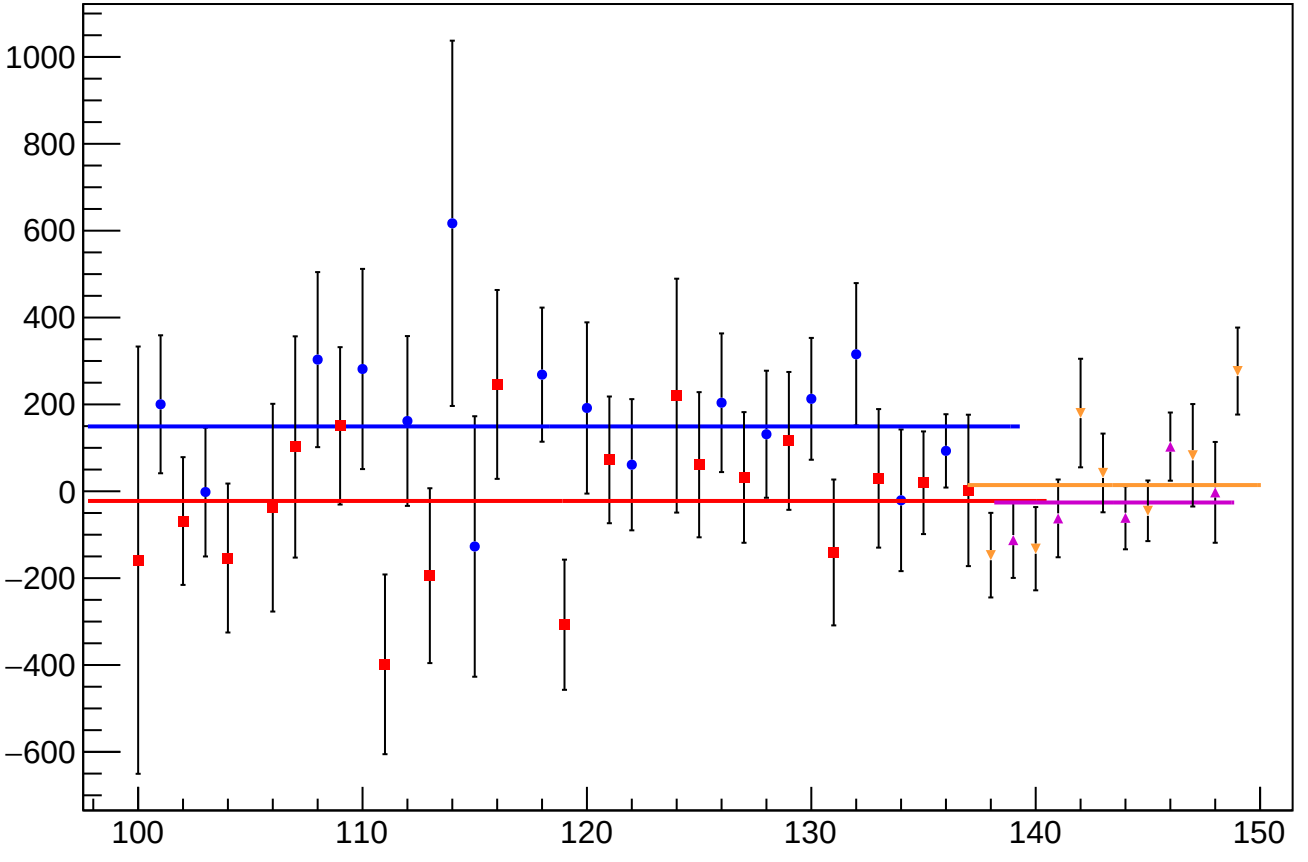
Left In: 454.529+/-0.156 χ^2/NDF:106781.0/4

+ sign 531.633+/-0.112 χ^2/NDF: 2358171.0/22

All: 543.493+/-0.082 χ^2/NDF: 4605111.4/46

- 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: 14.285+/-35.872 χ^2/NDF:14.9/6

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

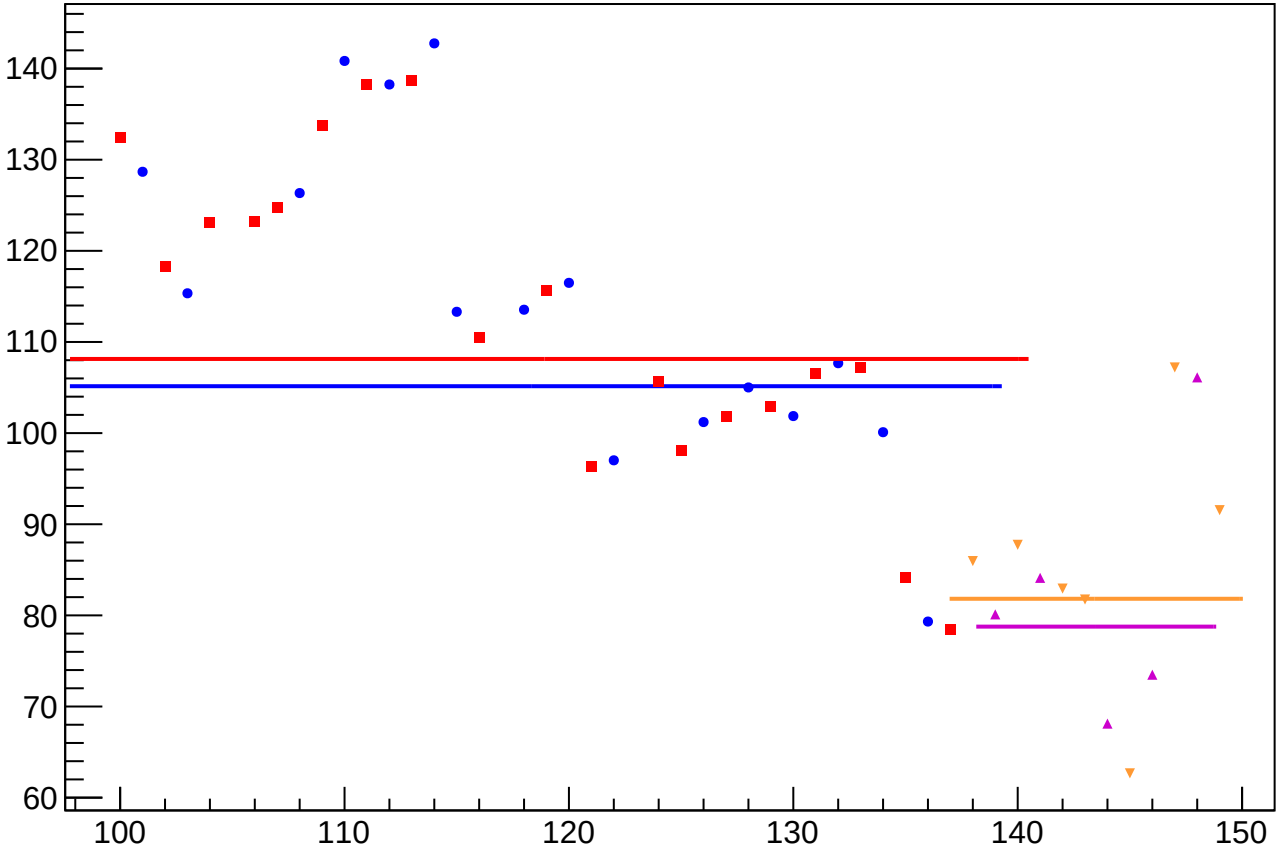
Left In: -25.845+/-38.271 χ^2/NDF:4.1/4

+ sign 74.991+/-26.612 χ^2/NDF: 29.3/22

All: 27.390+/-19.188 χ^2/NDF: 54.2/46

- 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: 81.822+/-0.025 χ^2/NDF:273660.3/6

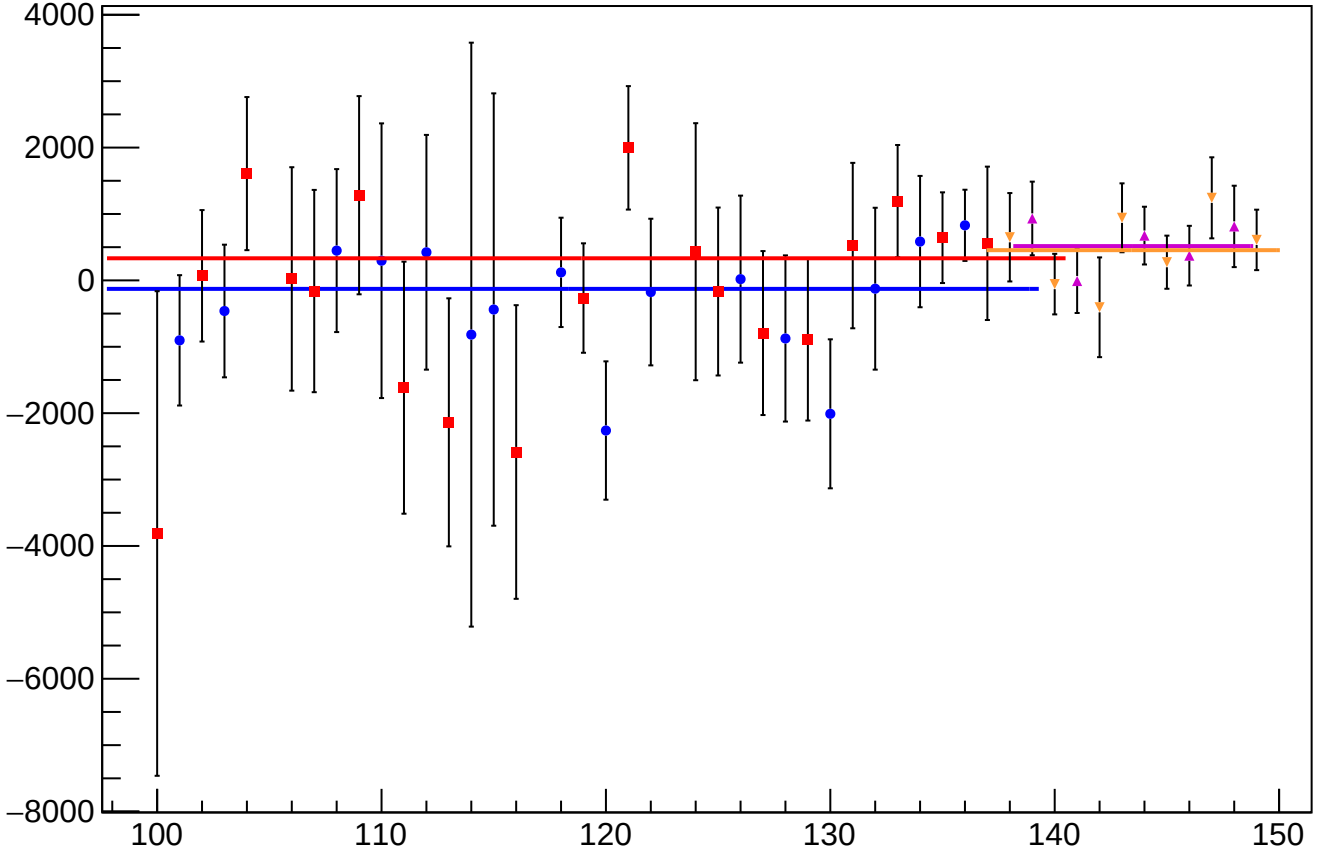
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 78.766+/-0.027 χ^2/NDF:170697.0/4

+ sign 92.309+/-0.019 χ^2/NDF: 1062259.1/22

All: 92.525+/-0.014 χ^2/NDF: 2140699.5/46

- 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: 454.880+/-194.976 χ^2/NDF:5.5/6

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

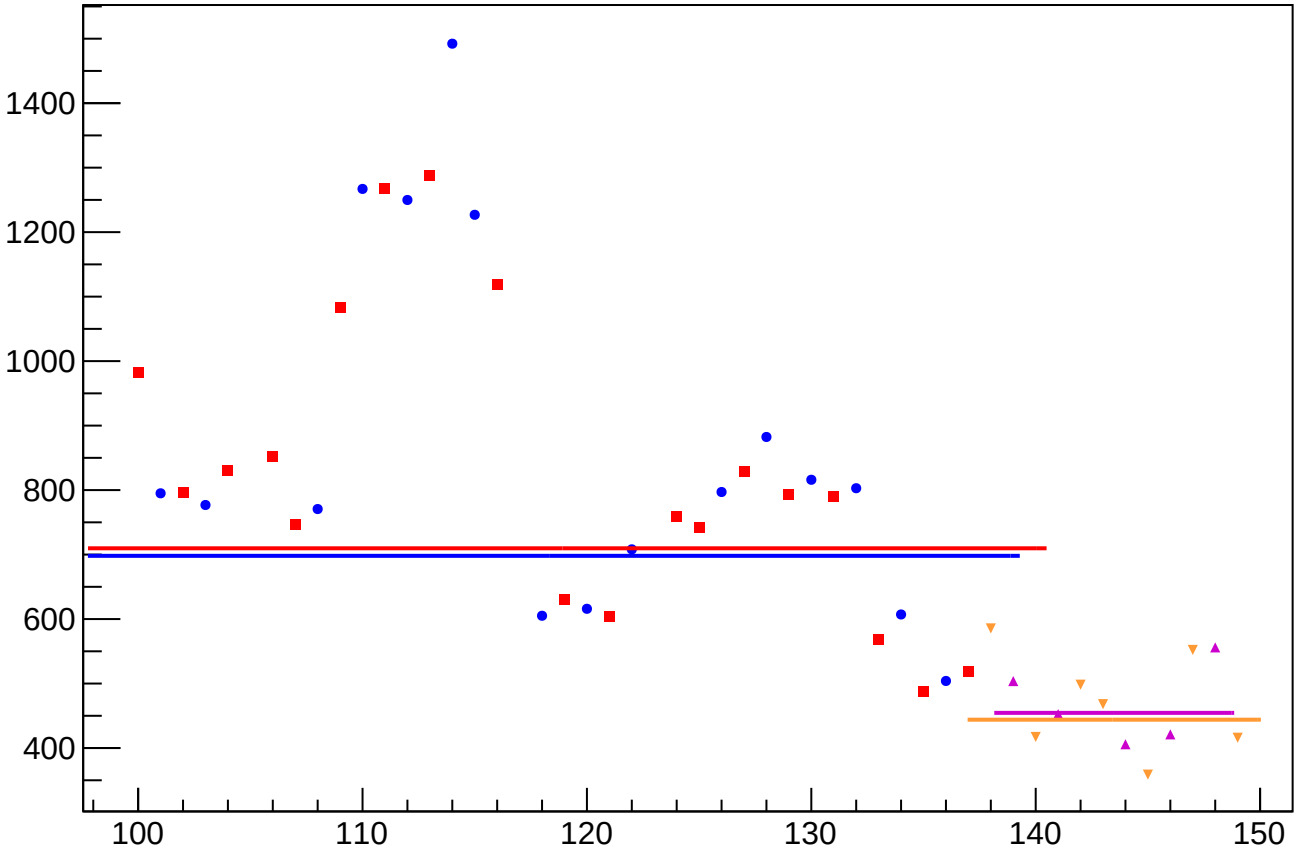
Left In: 516.286+/-221.067 χ^2/NDF:2.2/4

+ sign 253.730+/-157.790 χ^2/NDF: 20.9/22

All: 340.568+/-116.044 χ^2/NDF: 38.8/46

- sign 442.865+/-171.259 χ^2/NDF: 17.2/23

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 443.948+/-0.138 χ^2/NDF:273103.0/6

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

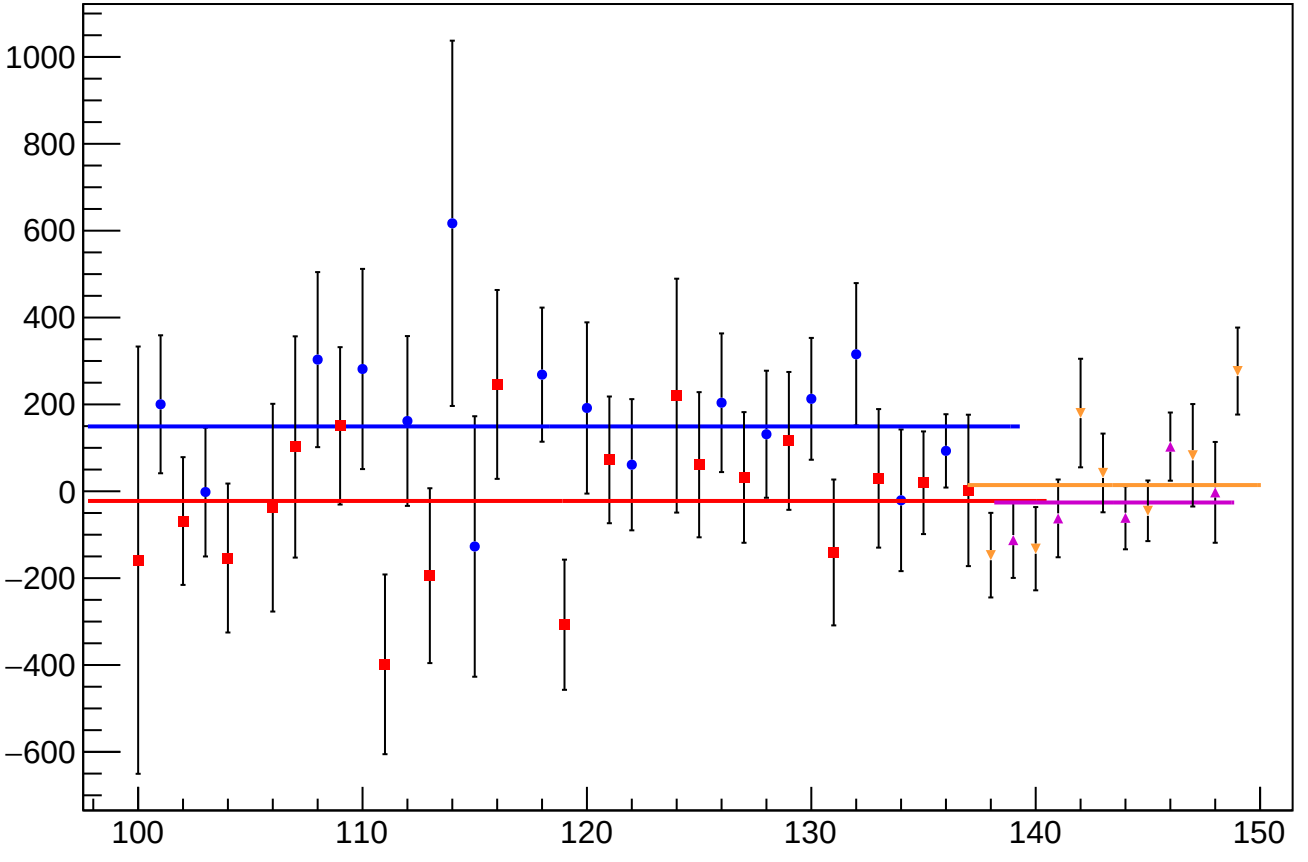
Left In: 454.529+/-0.156 χ^2/NDF:106779.4/4

+ sign 531.633+/-0.112 χ^2/NDF: 2358184.5/22

All: 543.086+/-0.082 χ^2/NDF: 4580902.0/46

- 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: 14.285+/-35.872 χ^2/NDF:14.9/6

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

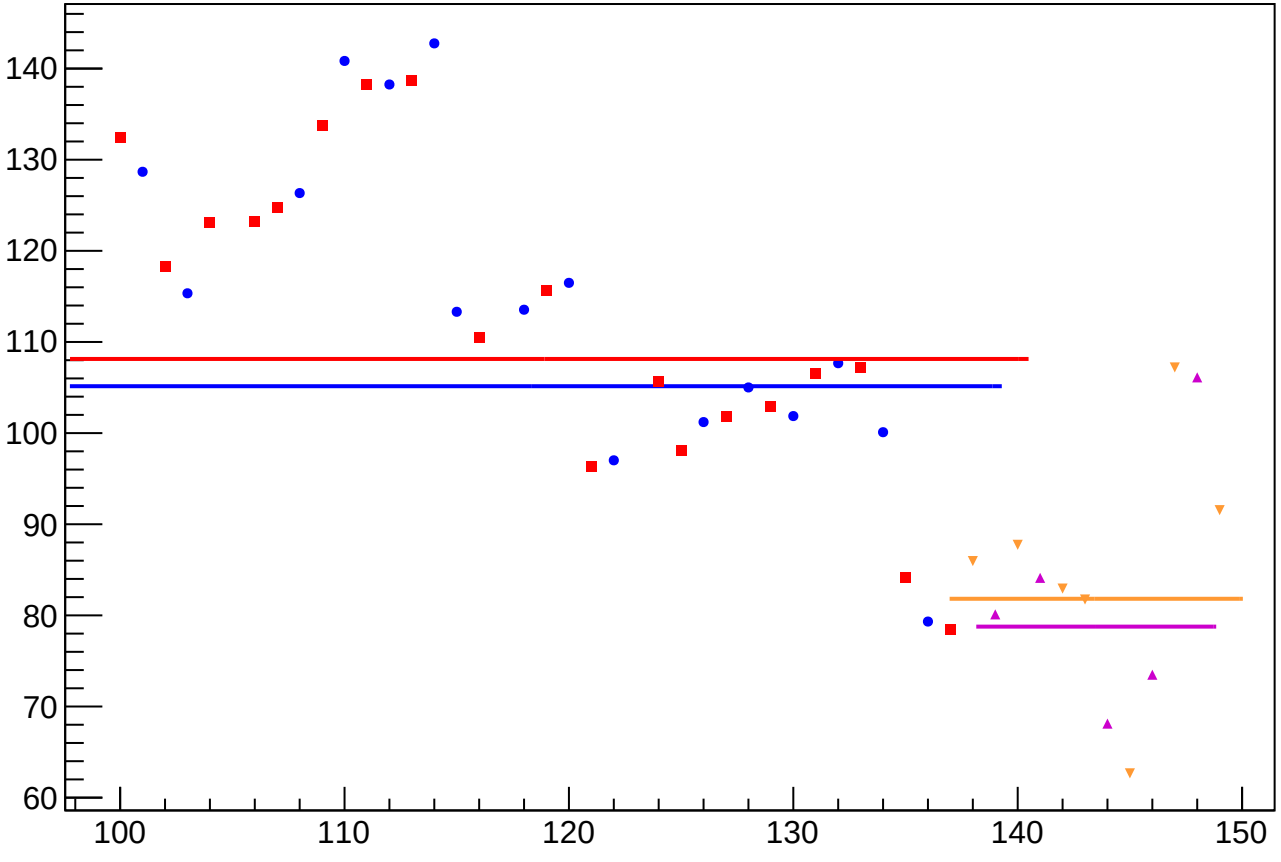
Left In: -25.845+/-38.271 χ^2/NDF:4.1/4

+ sign 74.991+/-26.612 χ^2/NDF: 29.3/22

All: 27.390+/-19.188 χ^2/NDF: 54.2/46

- 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: 81.822+/-0.025 χ^2/NDF:273660.3/6

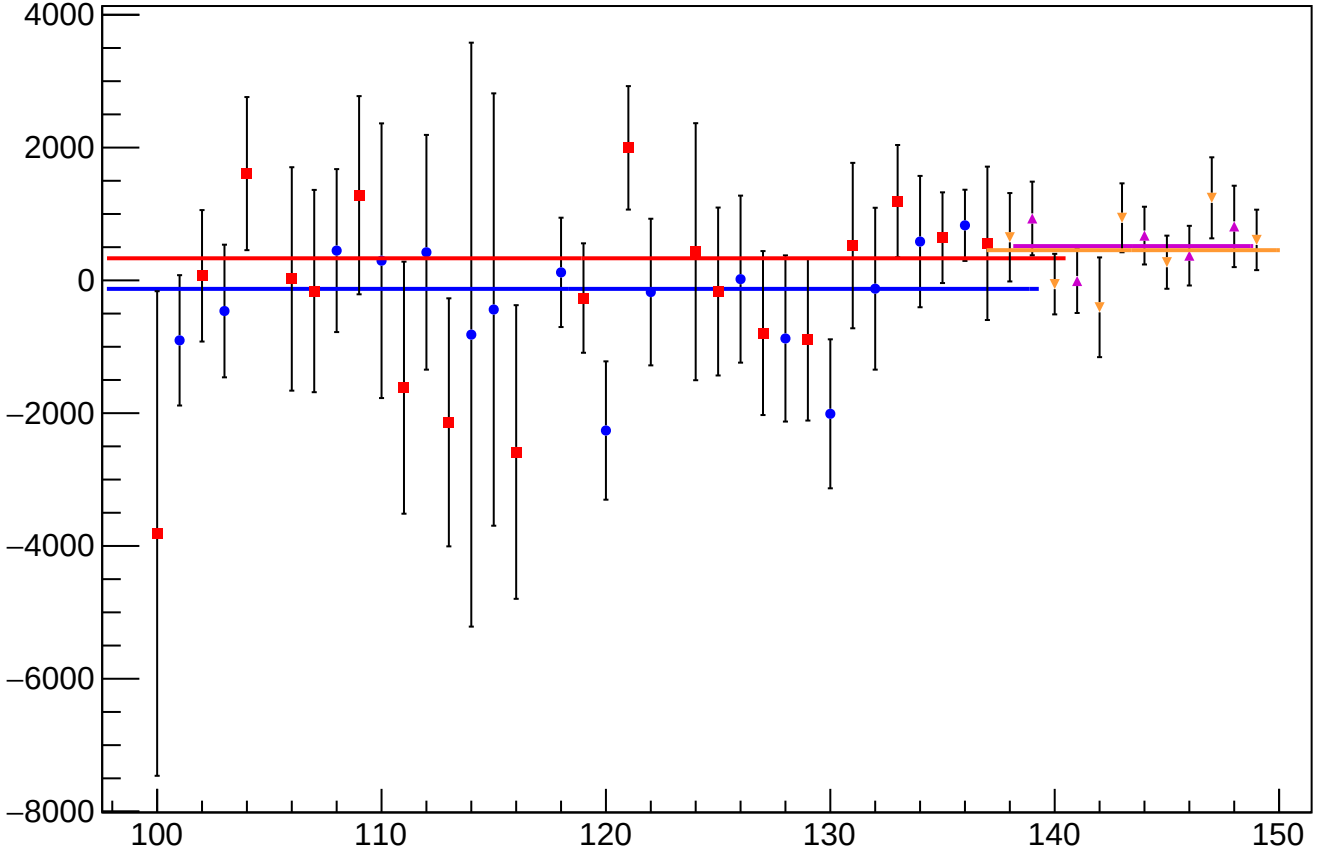
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 78.766+/-0.027 χ^2/NDF:170697.0/4

+ sign 92.309+/-0.019 χ^2/NDF: 1062259.1/22

All: 92.525+/-0.014 χ^2/NDF: 2140699.5/46

- 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: 454.880+/-194.976 χ^2/NDF:5.5/6

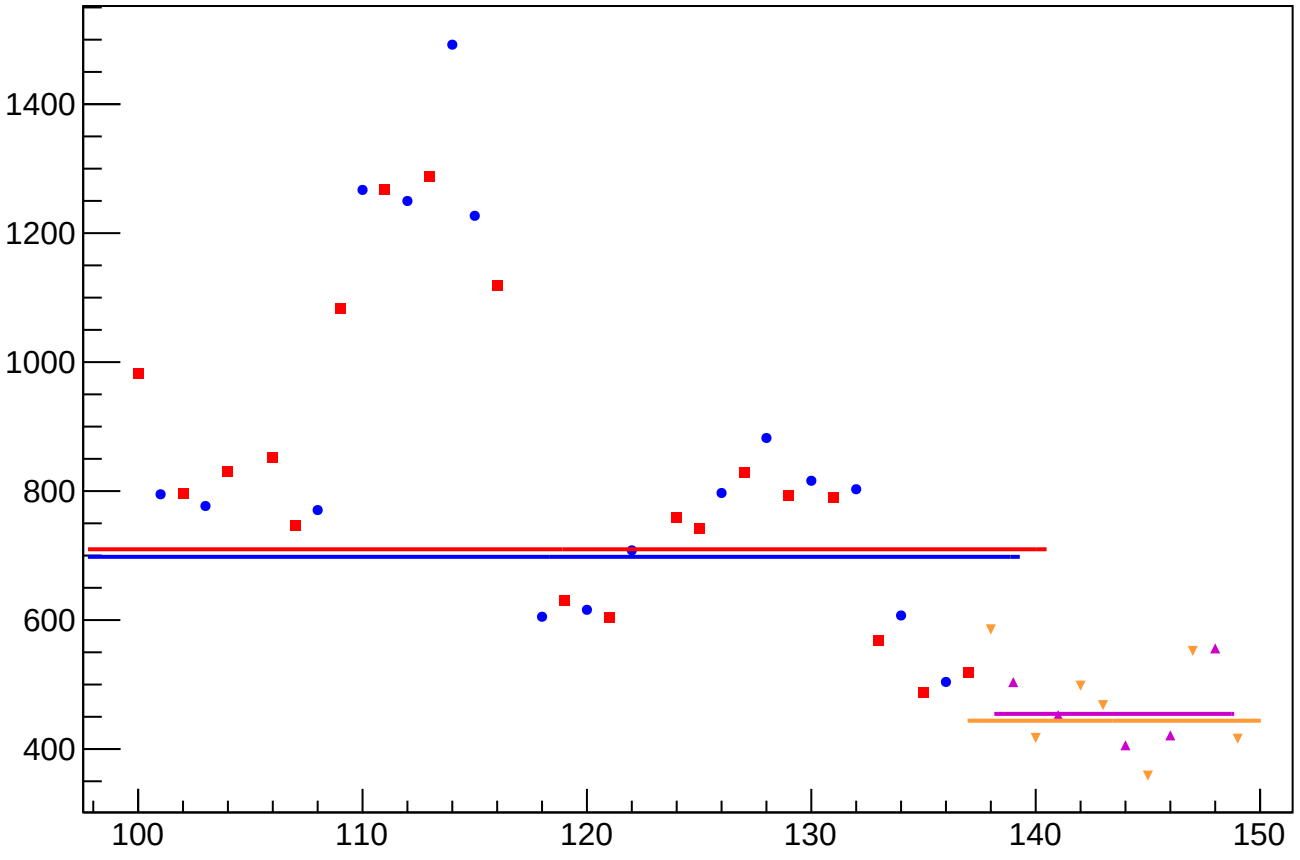
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 516.286+/-221.067 χ^2/NDF:2.2/4

+ sign 253.730+/-157.790 χ^2/NDF: 20.9/22

All: 340.568+/-116.044 χ^2/NDF: 38.8/46

- 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: 443.948+/-0.138 χ^2/NDF:273103.0/6

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

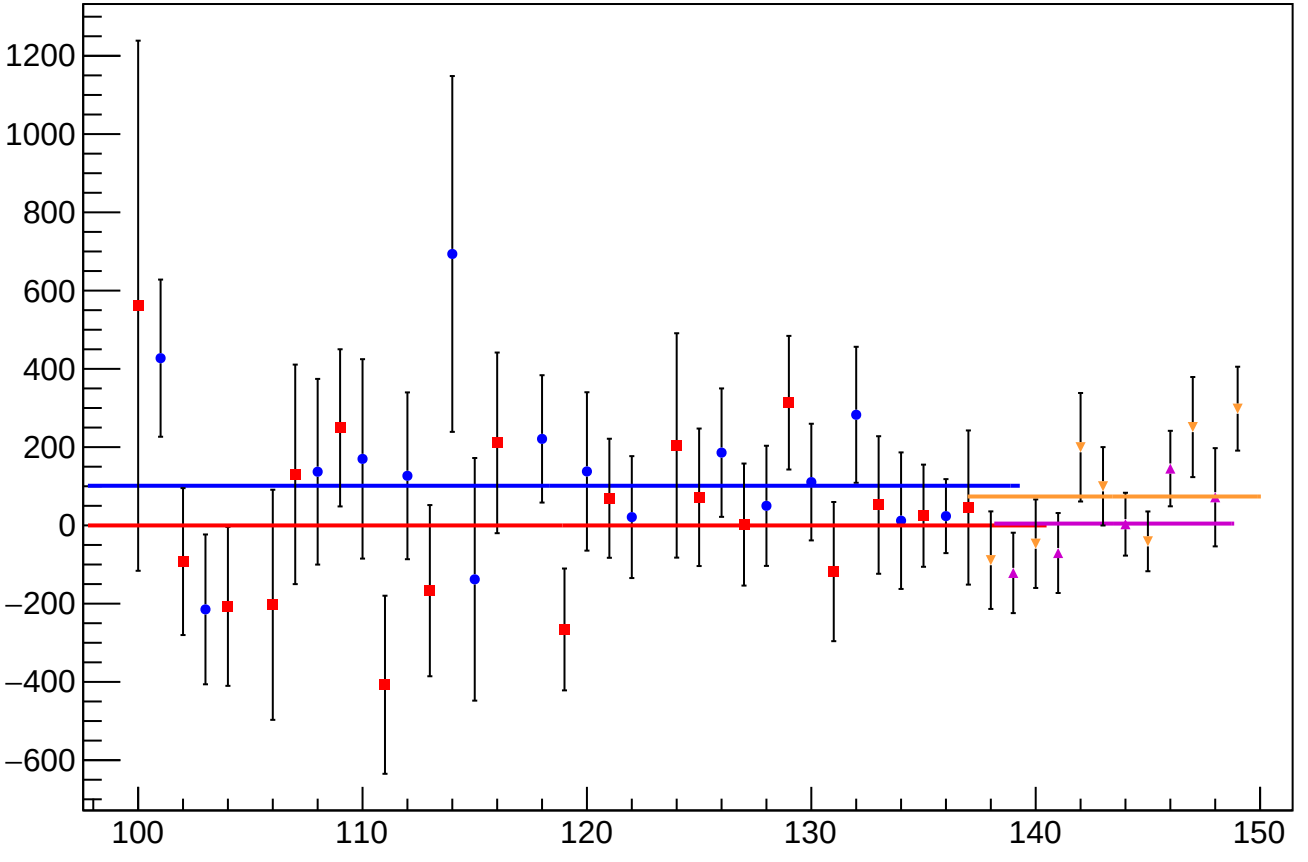
Left In: 454.529+/-0.156 χ^2/NDF:106779.4/4

+ sign 531.633+/-0.112 χ^2/NDF: 2358184.5/22

All: 543.086+/-0.082 χ^2/NDF: 4580902.0/46

- 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: 73.811+/-40.368 χ^2/NDF:12.3/6

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

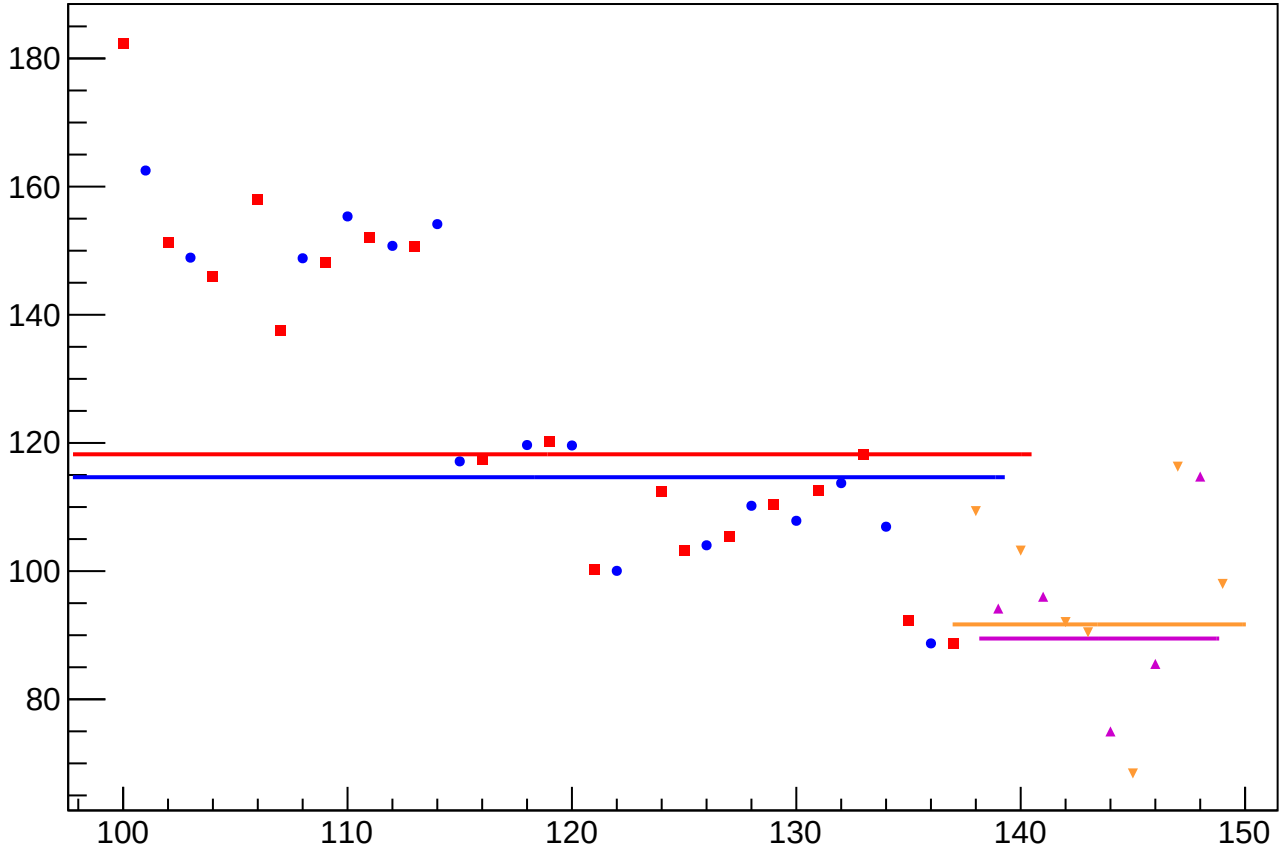
Left In: 4.603+/-44.002 χ^2/NDF:4.5/4

+ sign 86.518+/-29.593 χ^2/NDF: 23.5/22

All: 46.506+/-21.447 χ^2/NDF: 48.4/46

- 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: 91.685+/-0.029 χ^2/NDF:327594.9/6

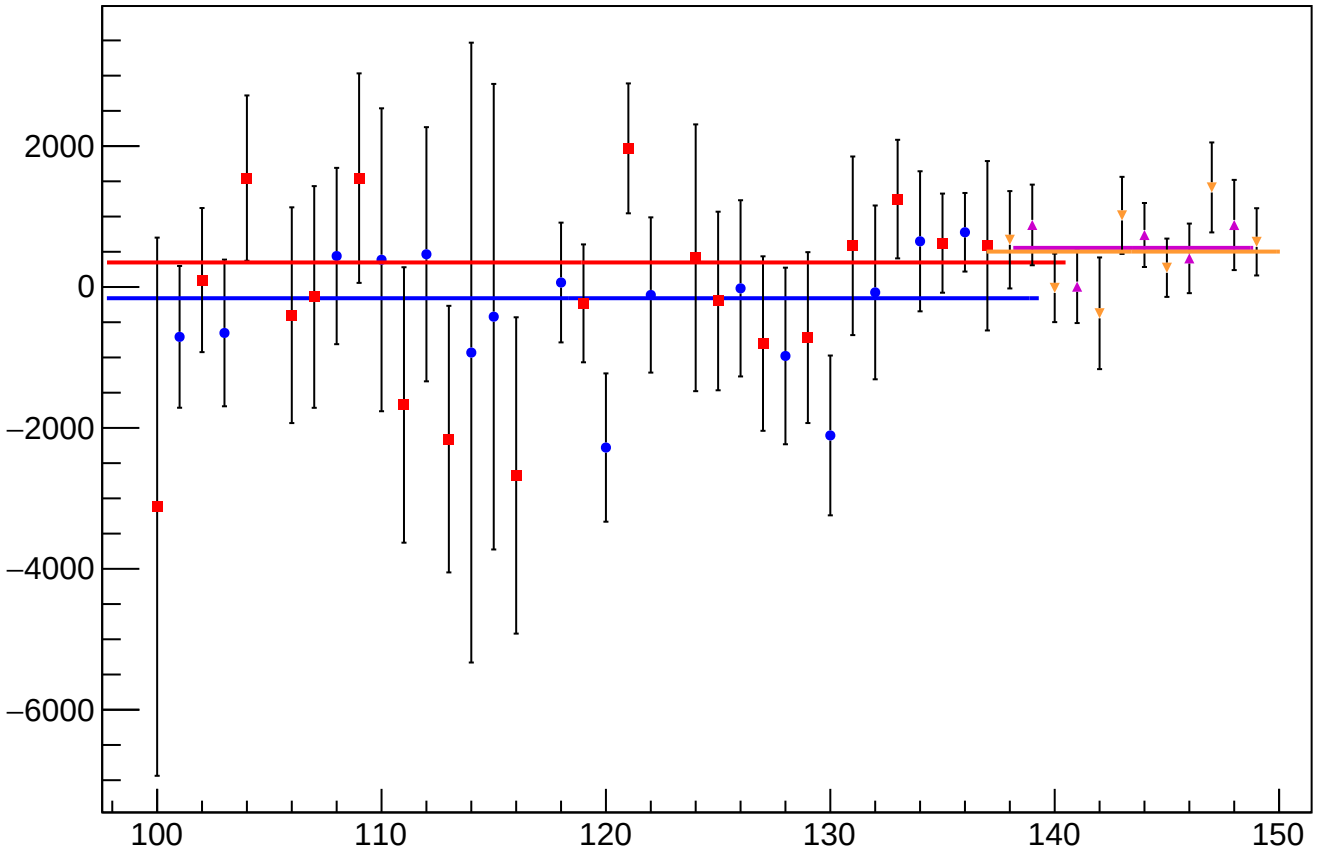
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 89.482+/-0.031 χ^2/NDF:161892.8/4

+ sign 102.311+/-0.021 χ^2/NDF: 1159103.6/22

All: 103.039+/-0.015 χ^2/NDF: 2233509.1/46

- 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: 502.688+/-204.352 χ^2/NDF:5.7/6

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

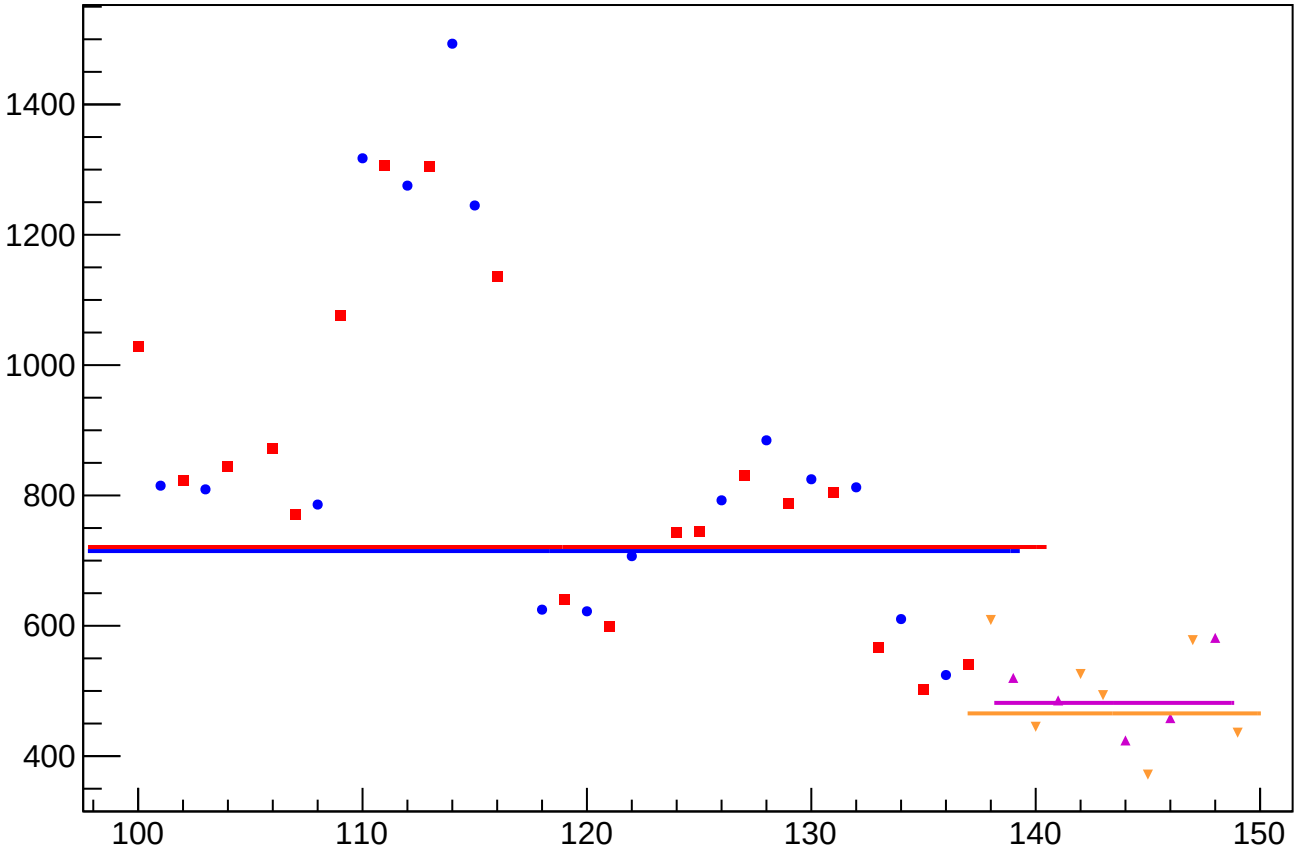
Left In: 555.332+/-234.465 χ^2/NDF:2.0/4

\+ sign 266.765+/-163.929 χ^2/NDF: 21.4/22

All: 358.988+/-120.594 χ^2/NDF: 38.7/46

\- 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: 465.567+/-0.144 χ^2/NDF:279183.1/6

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

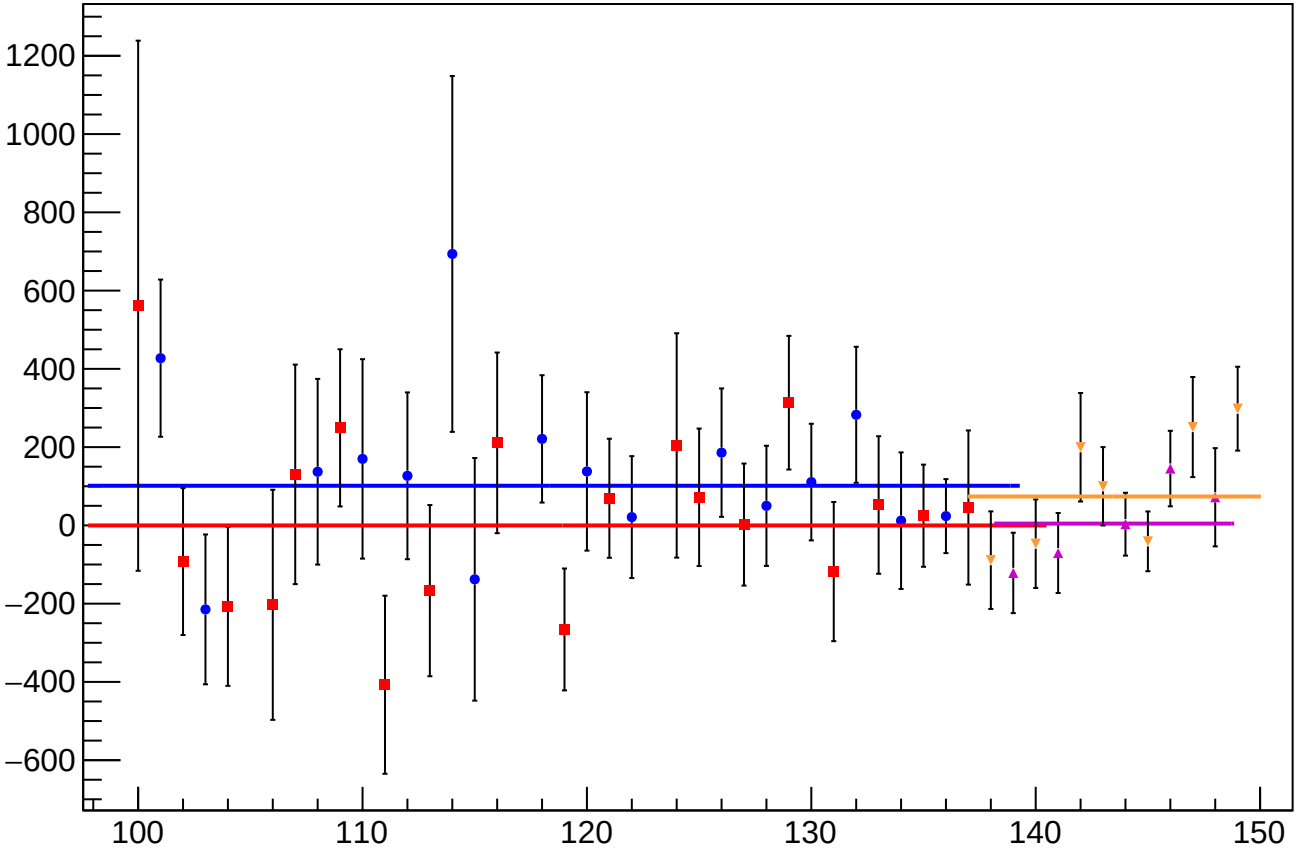
Left In: 481.697+/-0.166 χ^2/NDF:94325.6/4

+ sign 554.368+/-0.116 χ^2/NDF: 2214810.6/22

All: 567.495+/-0.085 χ^2/NDF: 4236851.7/46

- 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: 73.810+/-40.368 χ^2/NDF:12.3/6

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

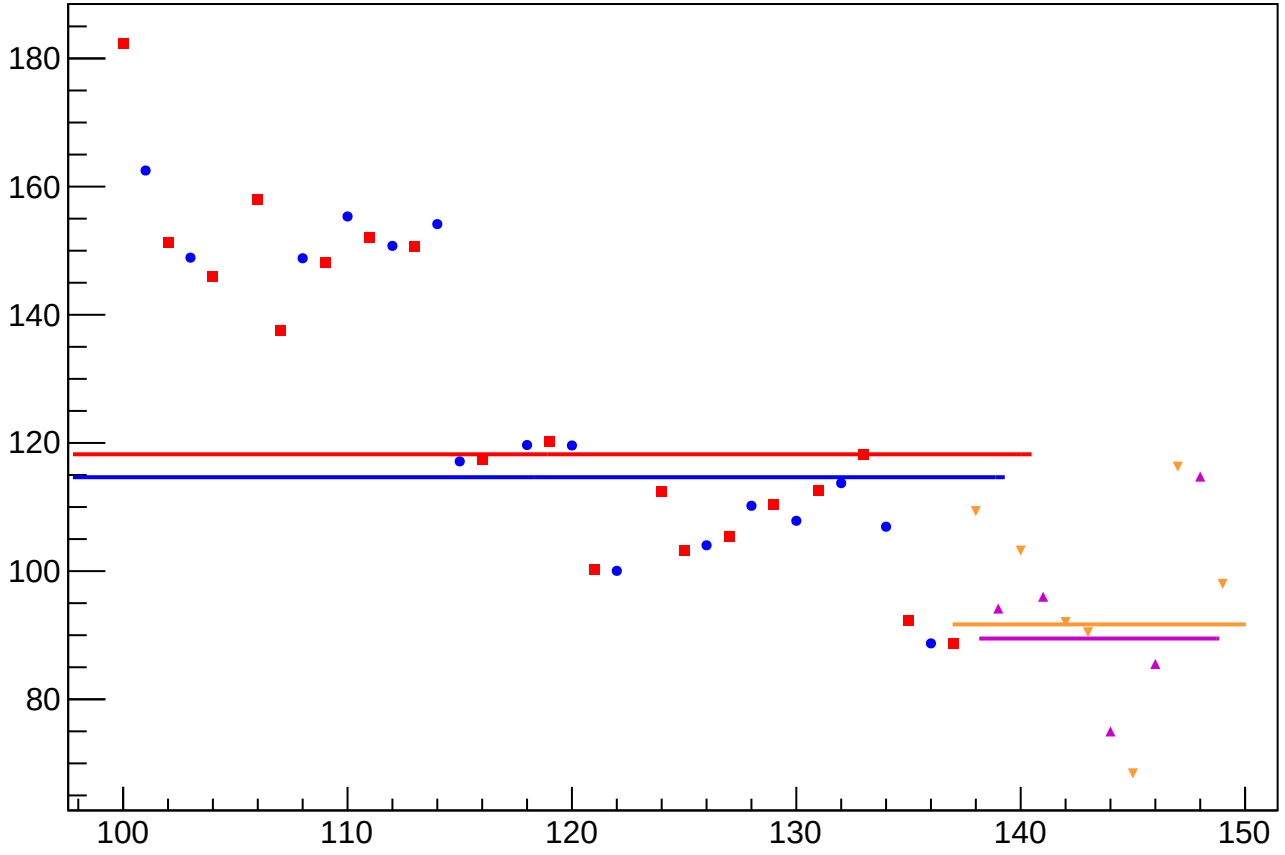
Left In: 4.603+/-44.002 χ^2/NDF:4.5/4

+ sign 86.517+/-29.593 χ^2/NDF: 23.5/22

All: 46.505+/-21.447 χ^2/NDF: 48.4/46

- 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: 91.686+/-0.029 χ^2/NDF:327601.1/6

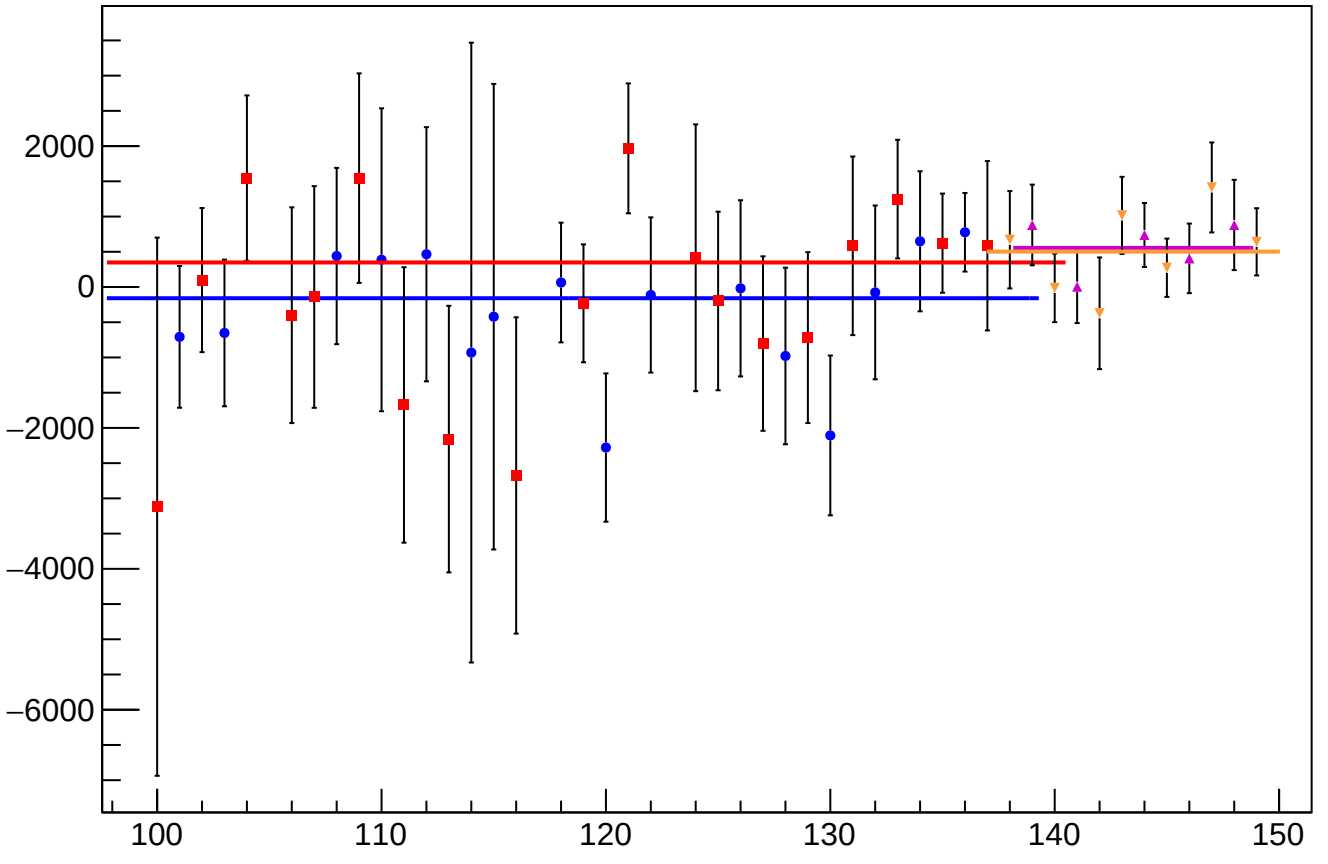
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 89.482+/-0.031 χ^2/NDF:161894.2/4

+ sign 102.311+/-0.021 χ^2/NDF: 1159099.3/22

All: 103.040+/-0.015 χ^2/NDF: 2233496.1/46

- 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: 502.688+/-204.352 χ^2/NDF:5.7/6

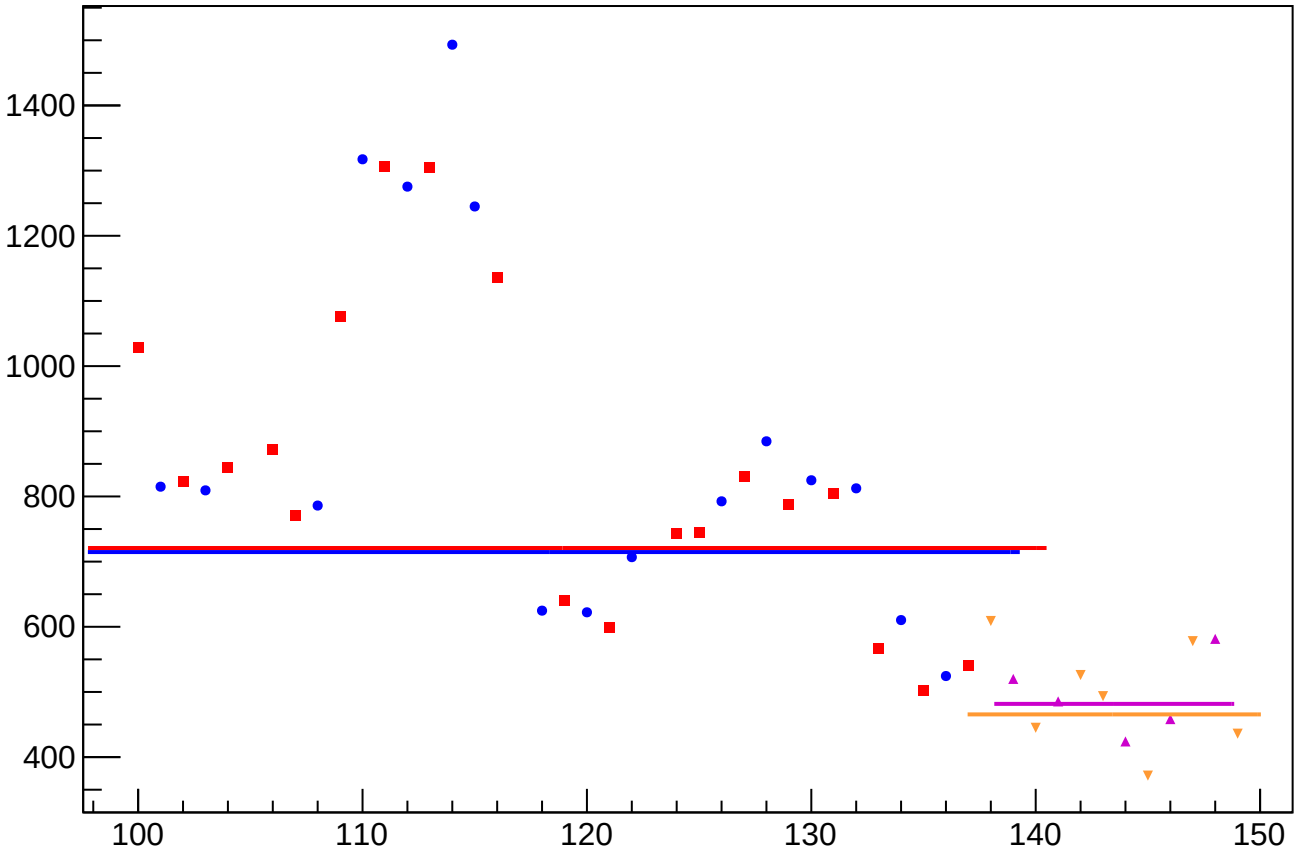
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 555.332+/-234.465 χ^2/NDF:2.0/4

\+ sign 266.763+/-163.929 χ^2/NDF: 21.4/22

All: 358.987+/-120.594 χ^2/NDF: 38.7/46

\- 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: 465.567+/-0.144 χ^2/NDF:279187.1/6

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

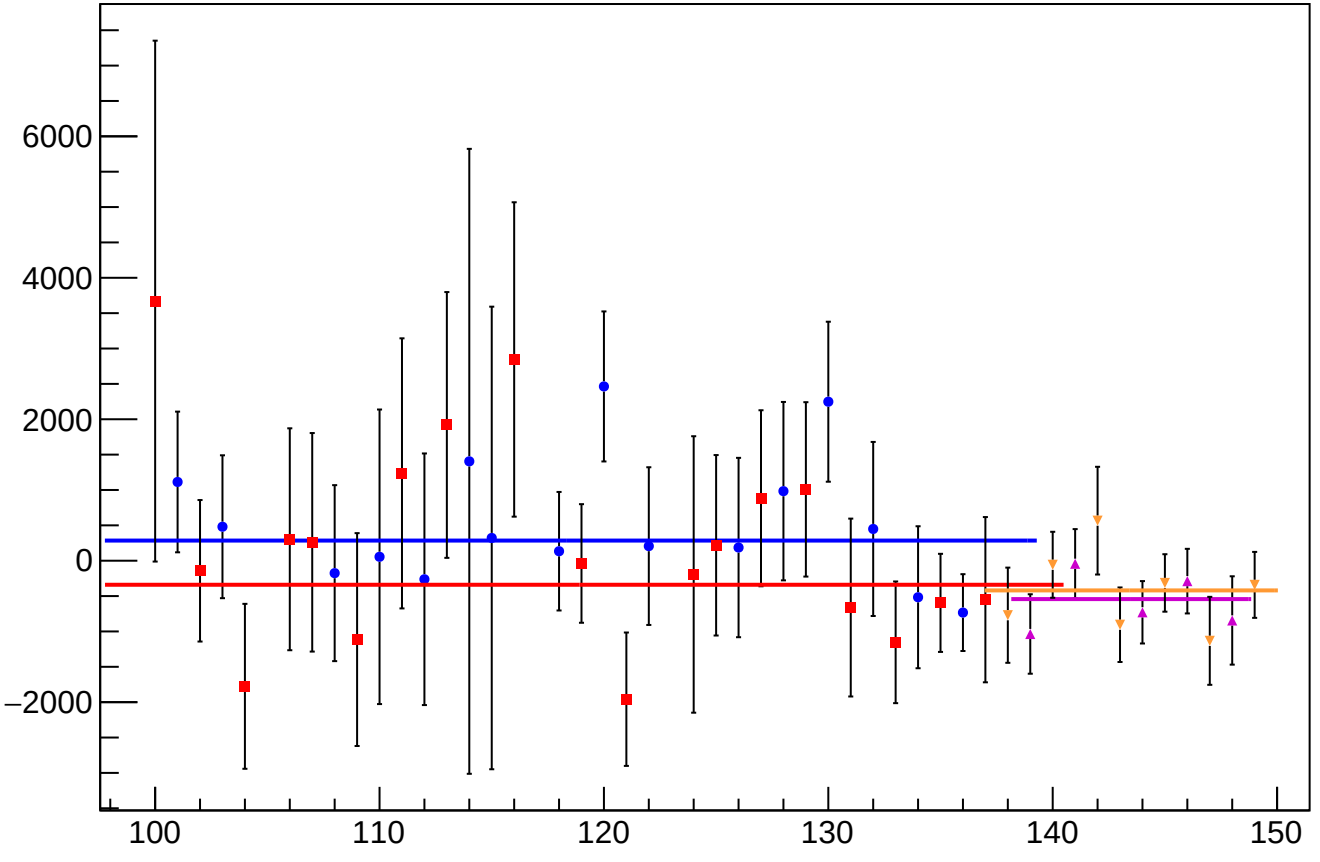
Left In: 481.697+/-0.166 χ^2/NDF:94326.9/4

+ sign 554.368+/-0.116 χ^2/NDF: 2214807.2/22

All: 567.495+/-0.085 χ^2/NDF: 4236838.9/46

- 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: -419.889+/-198.507 χ^2/NDF:4.8/6

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

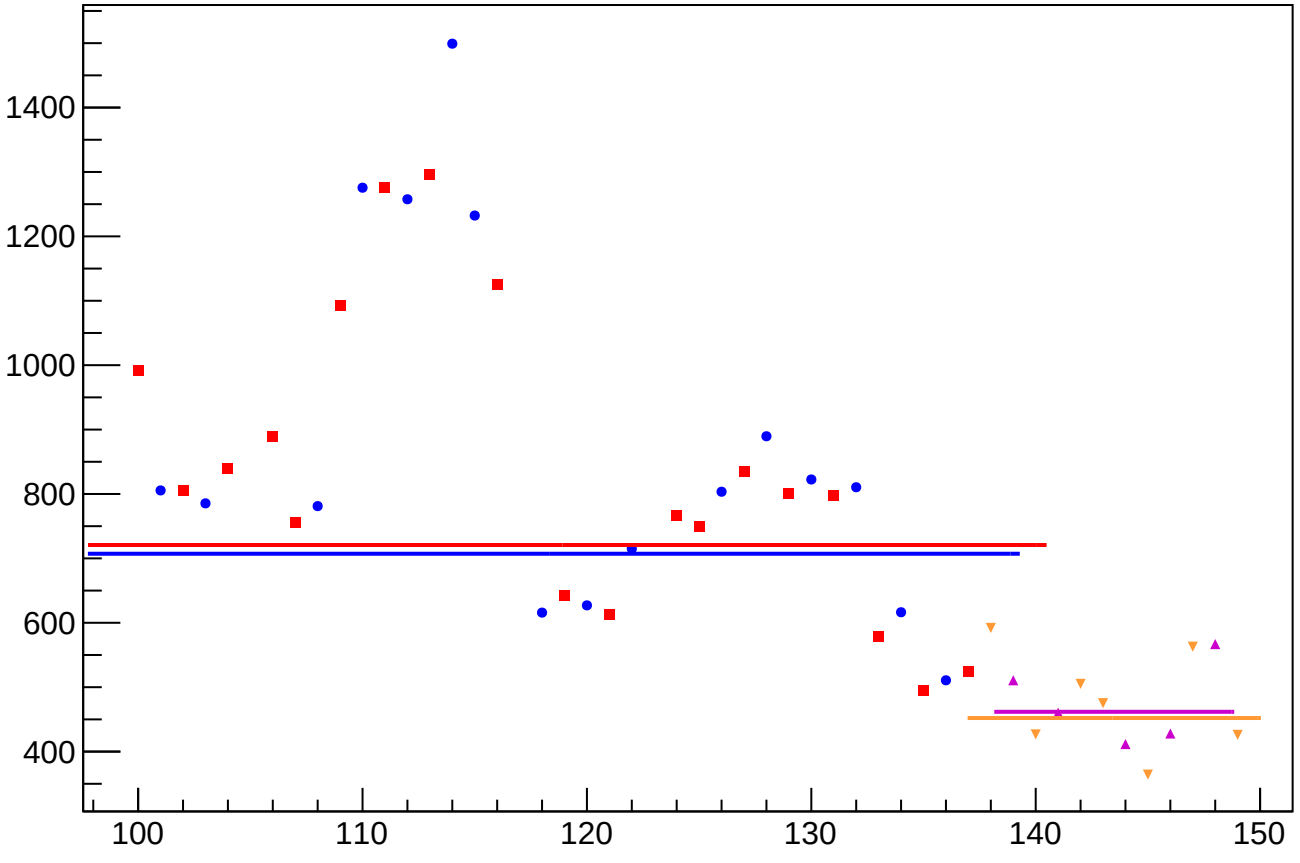
Left In: -542.667+/-224.557 χ^2/NDF:2.5/4

\+ sign -174.937+/-160.335 χ^2/NDF: 22.0/22

All: -306.687+/-117.778 χ^2/NDF: 40.4/46

\- 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: 452.134+/-0.140 χ^2/NDF:269198.5/6

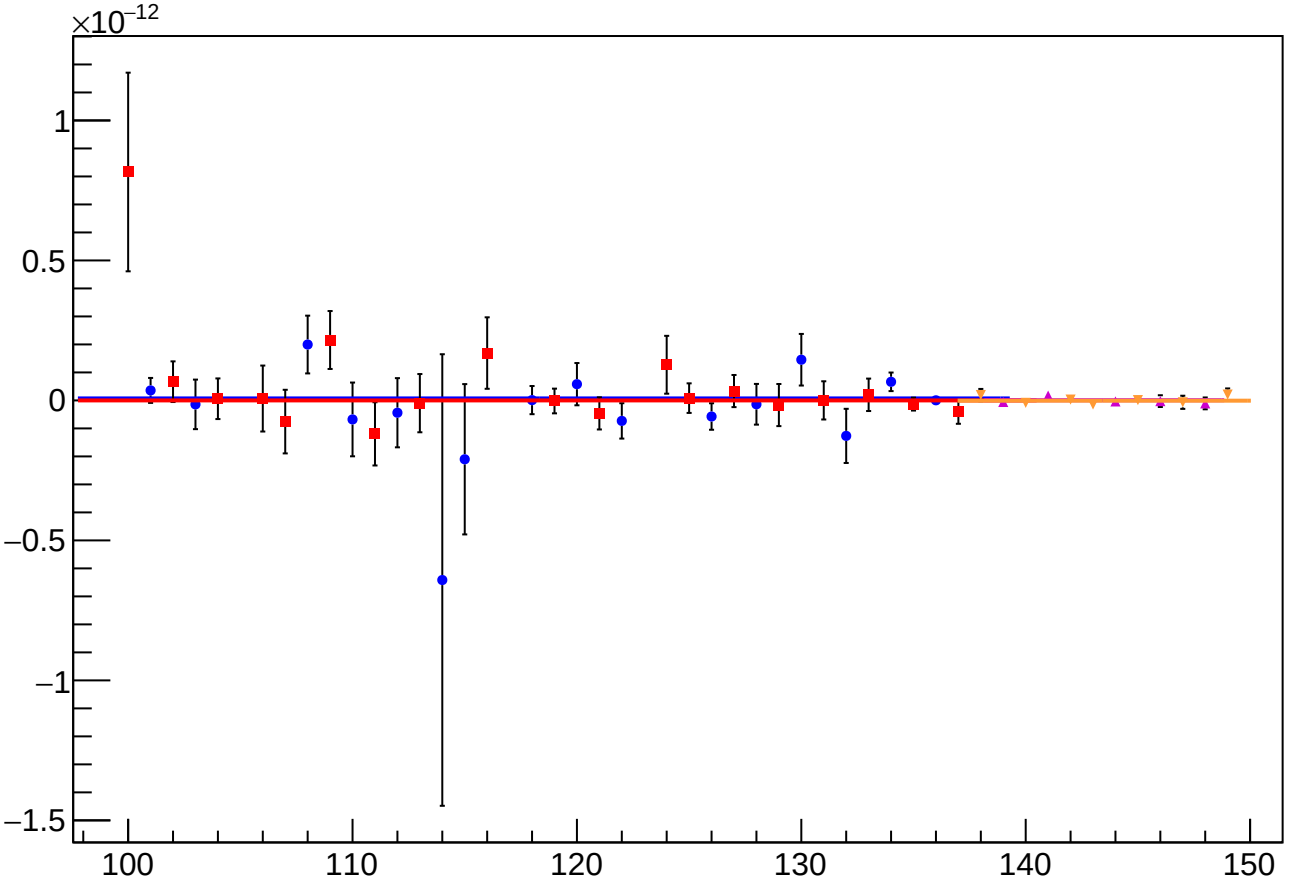
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 461.786+/-0.159 χ^2/NDF:108548.5/4

+ sign 540.802+/-0.113 χ^2/NDF: 2313806.9/22

All: 552.416+/-0.083 χ^2/NDF: 4531222.6/46

- 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:3.1/6

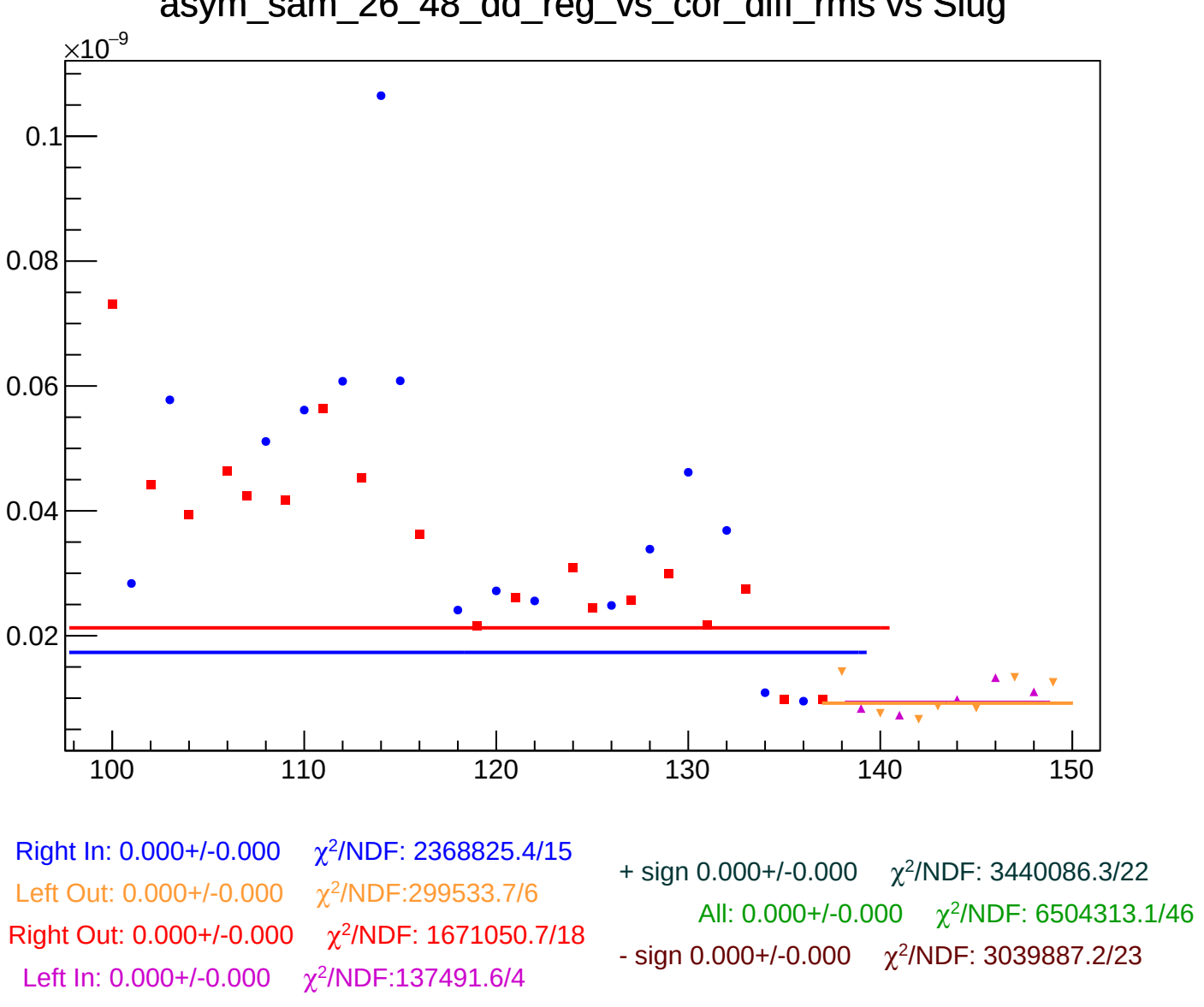
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/4

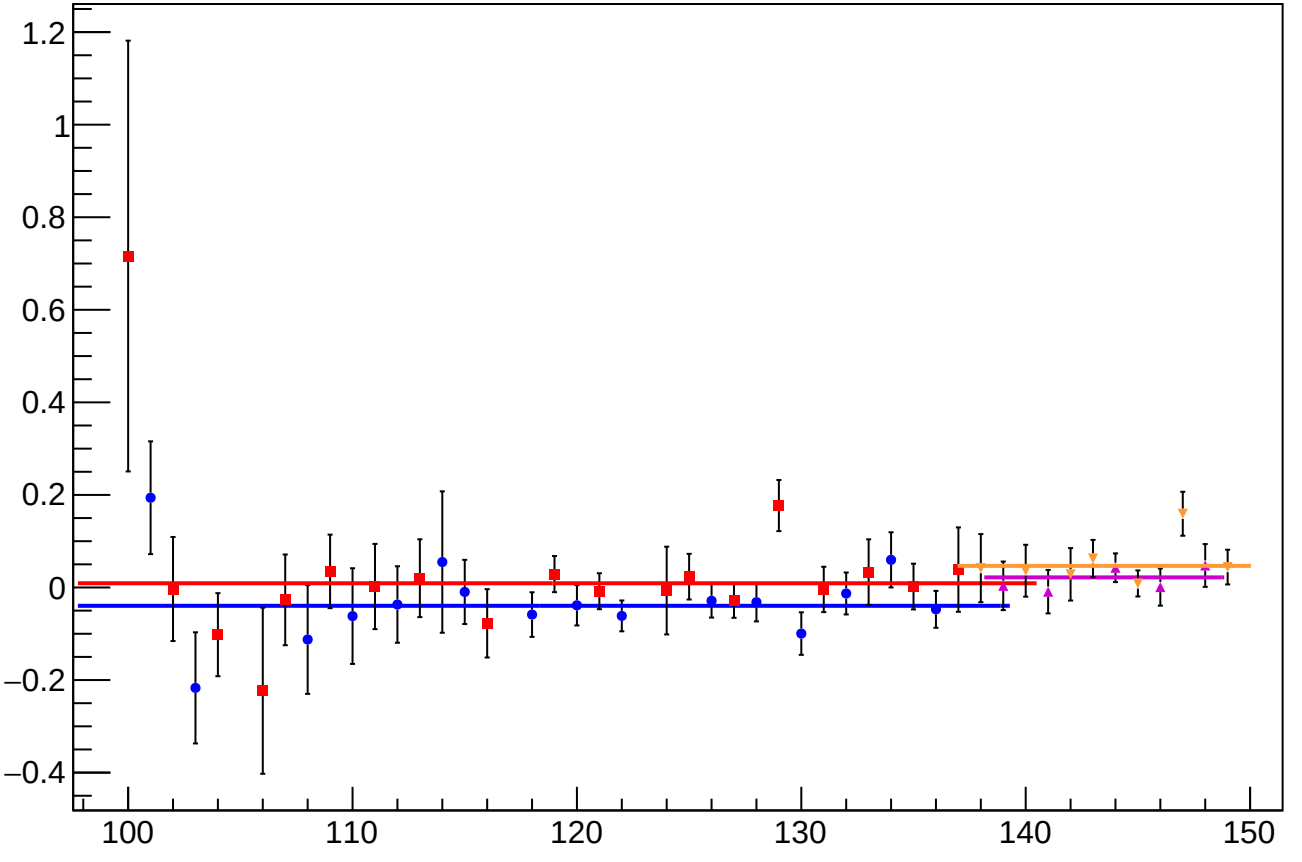
+ sign 0.000+/-0.000 χ^2/NDF: 20.8/22

All: 0.000+/-0.000 χ^2/NDF: 40.6/46

- sign 0.000+/-0.000 χ^2/NDF: 19.8/23


asym_sam_26_48_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: 2368825.4/15
Left Out: 0.000+/-0.000 χ²/NDF:299533.7/6
Right Out: 0.000+/-0.000 χ²/NDF: 1671050.7/18
Left In: 0.000+/-0.000 χ²/NDF:137491.6/4
+ sign 0.000+/-0.000 χ²/NDF: 3440086.3/22
All: 0.000+/-0.000 χ²/NDF: 6504313.1/46
- sign 0.000+/-0.000 χ²/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+/-0.016 χ^2/NDF:7.7/6

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

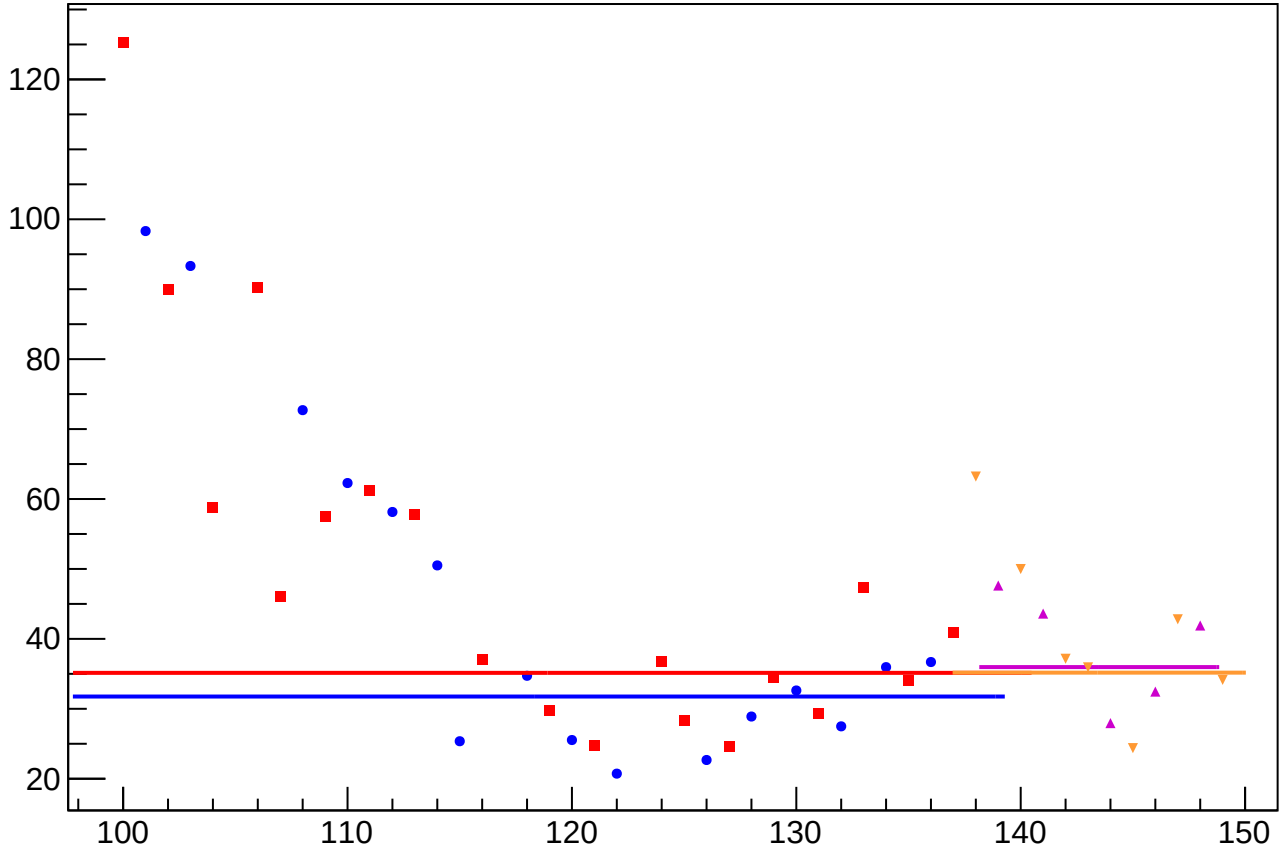
Left In: 0.022+/-0.018 χ^2/NDF:1.6/4

+ sign -0.005+/-0.010 χ^2/NDF: 37.4/22

All: 0.003+/-0.008 χ^2/NDF: 59.1/46

- 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: 35.172+/-0.011 χ^2/NDF:780486.5/6

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

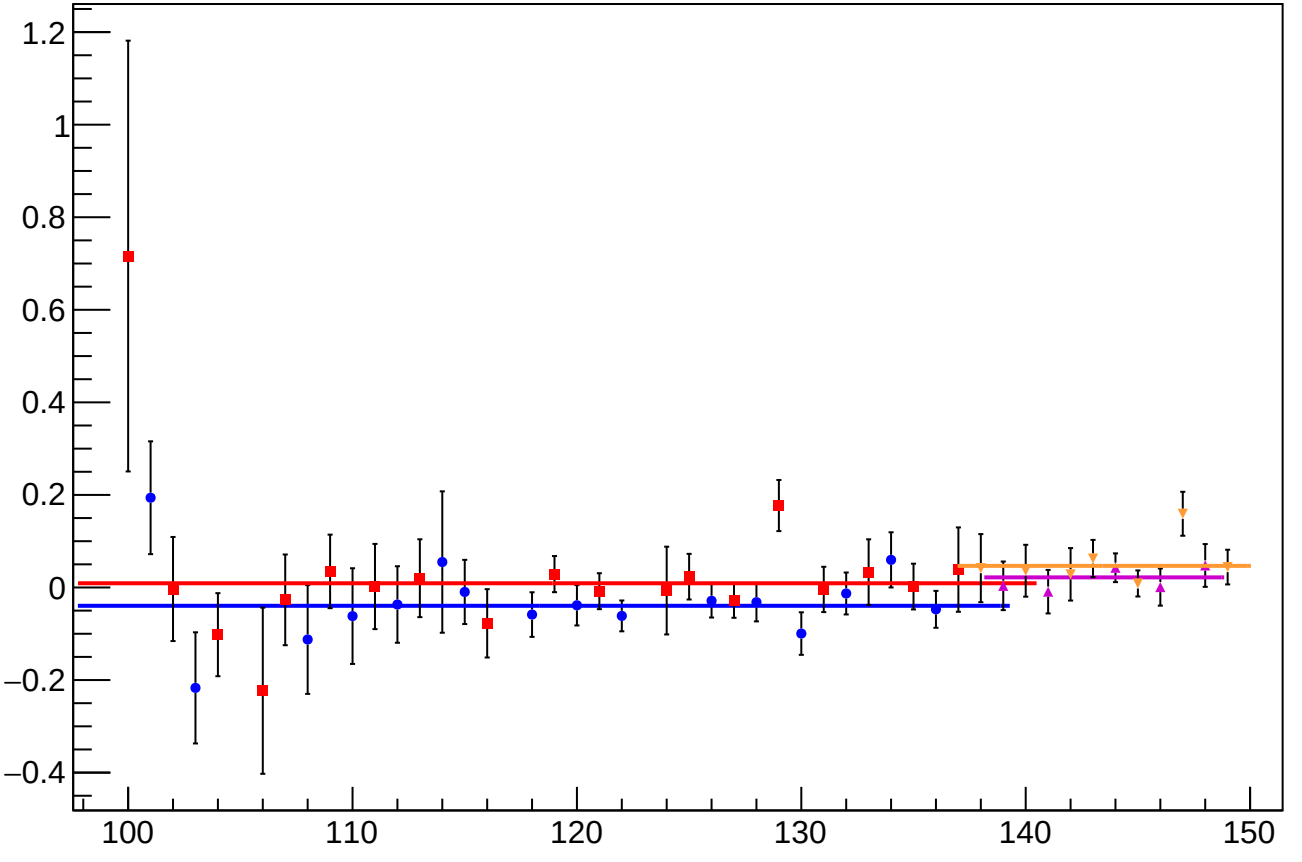
Left In: 35.965+/-0.013 χ^2/NDF:332883.8/4

+ sign 33.122+/-0.007 χ^2/NDF: 3086788.5/22

All: 34.172+/-0.005 χ^2/NDF: 5313801.9/46

- sign 35.446+/-0.008 χ^2/NDF: 2180081.3/23

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.016 χ^2/NDF:7.7/6

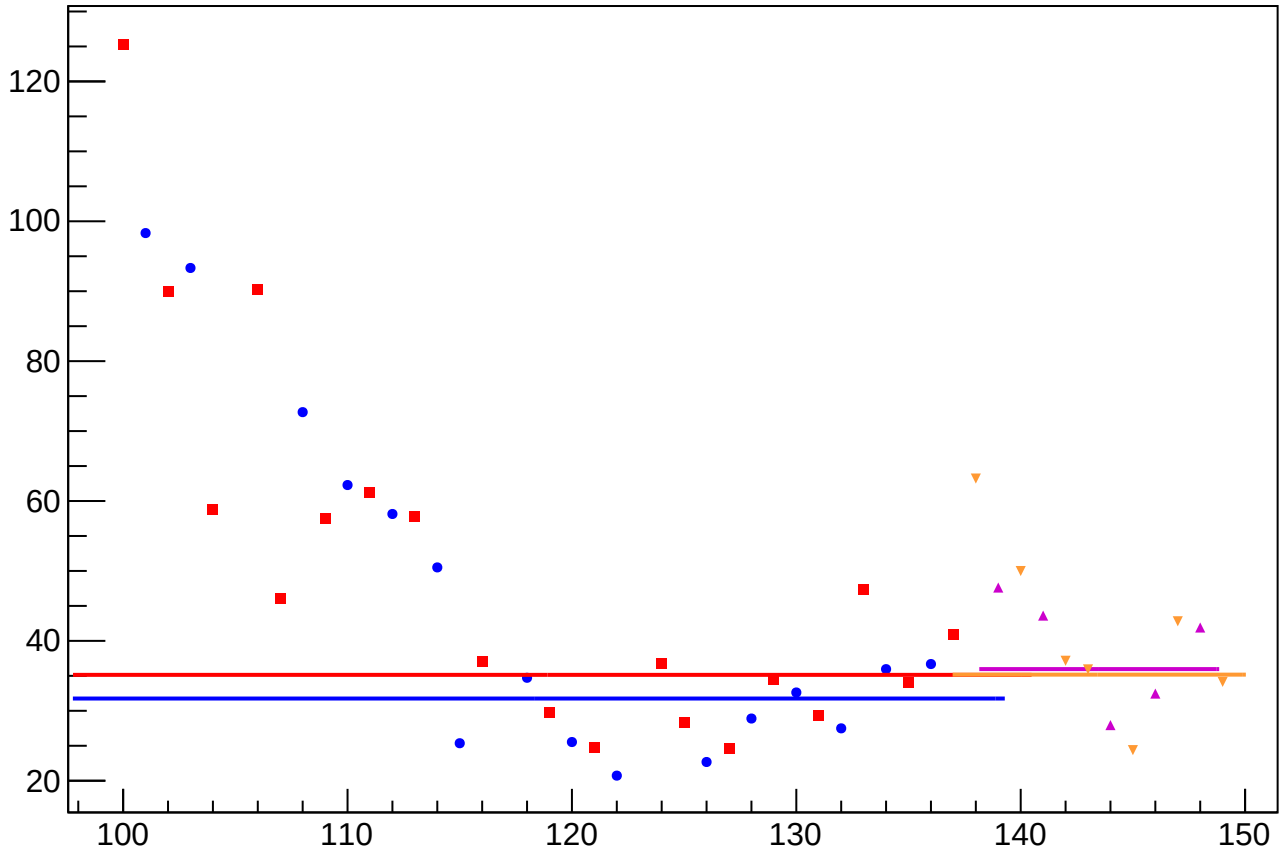
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.022+/-0.018 χ^2/NDF:1.6/4

+ sign -0.005+/-0.010 χ^2/NDF: 37.4/22

All: 0.003+/-0.008 χ^2/NDF: 59.1/46

- 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: 35.172+/-0.011 χ^2/NDF:780486.5/6

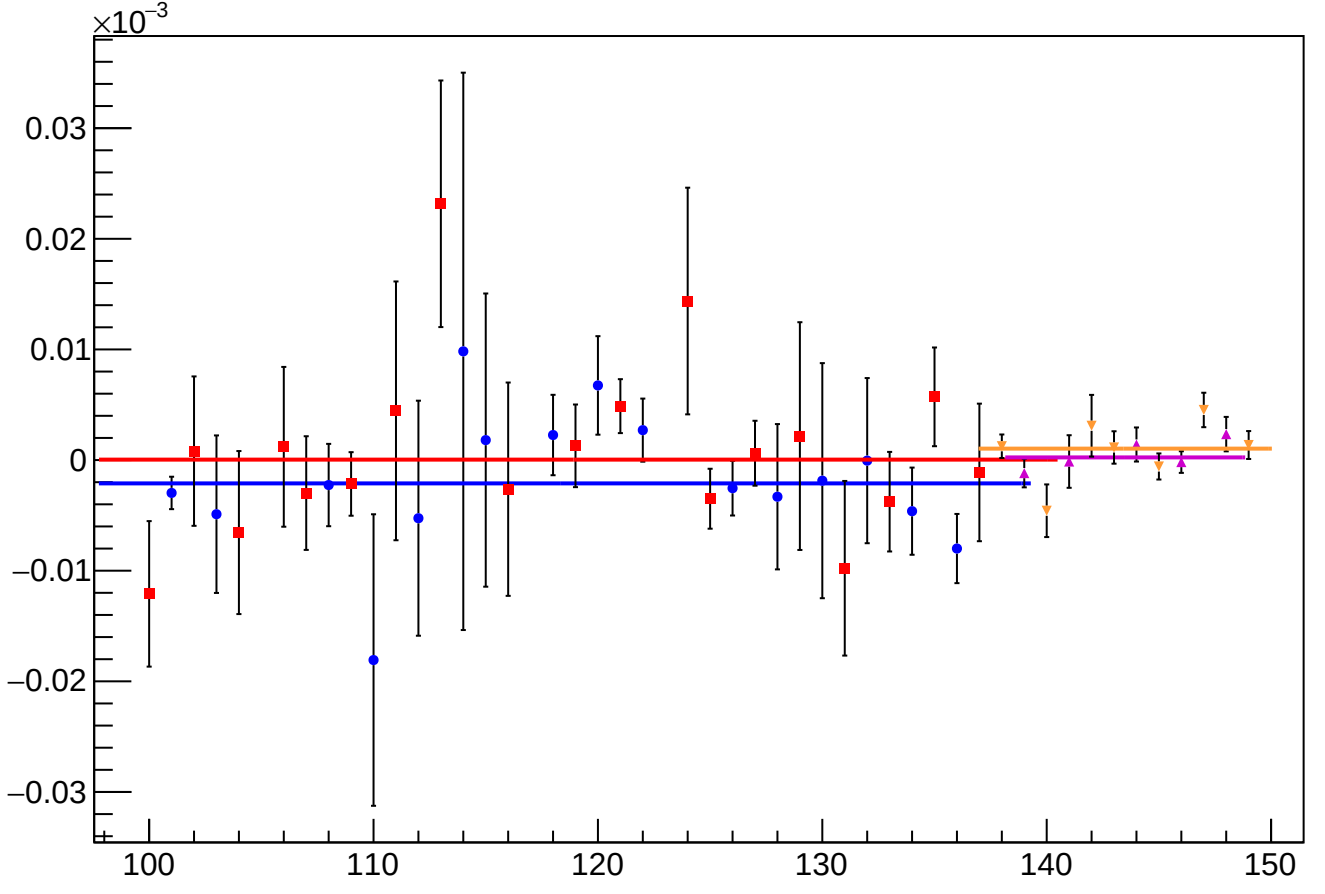
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.965+/-0.013 χ^2/NDF:332883.8/4

+ sign 33.122+/-0.007 χ^2/NDF: 3086788.5/22

All: 34.172+/-0.005 χ^2/NDF: 5313801.9/46

- 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:13.1/6

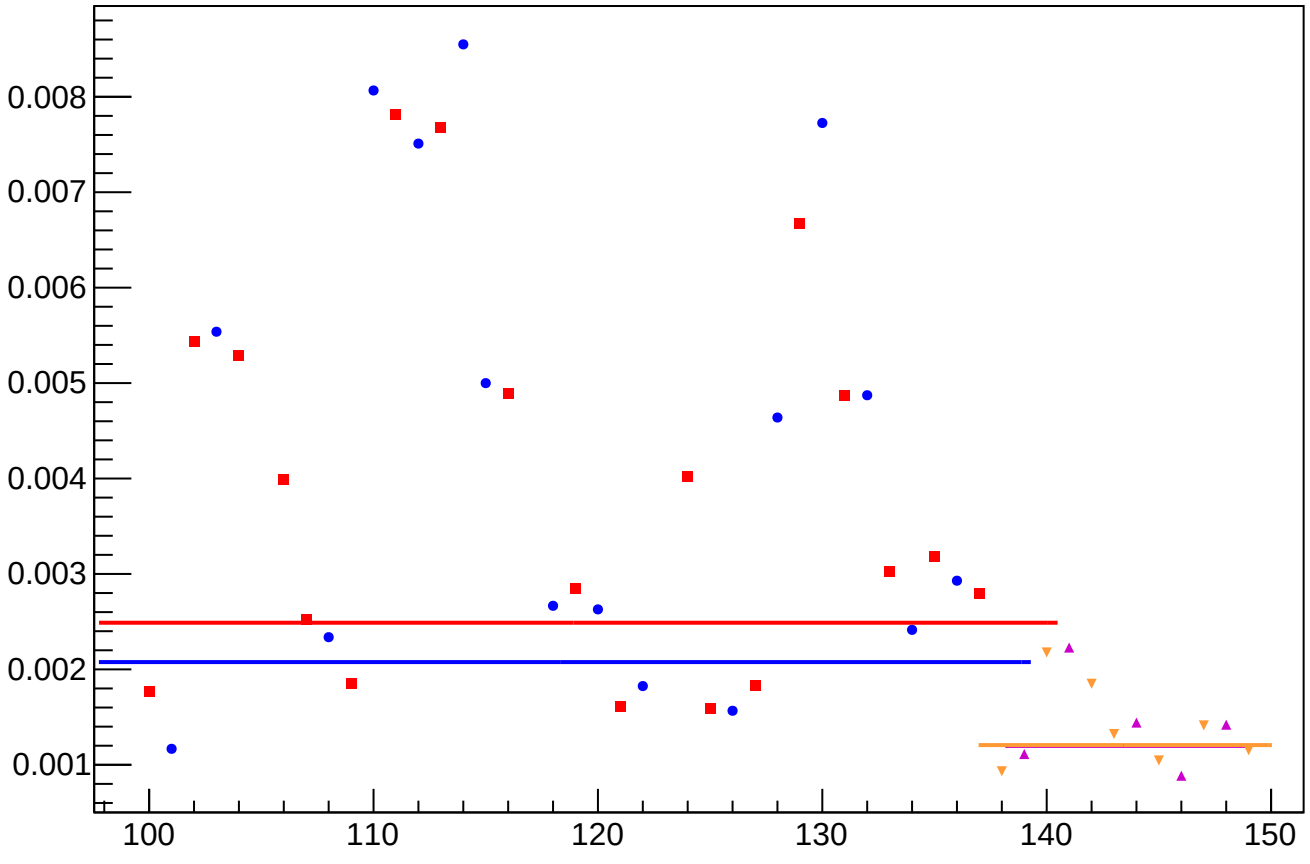
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/22

All: 0.000+/-0.000 χ^2/NDF: 61.9/46

- 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:661100.0/6

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

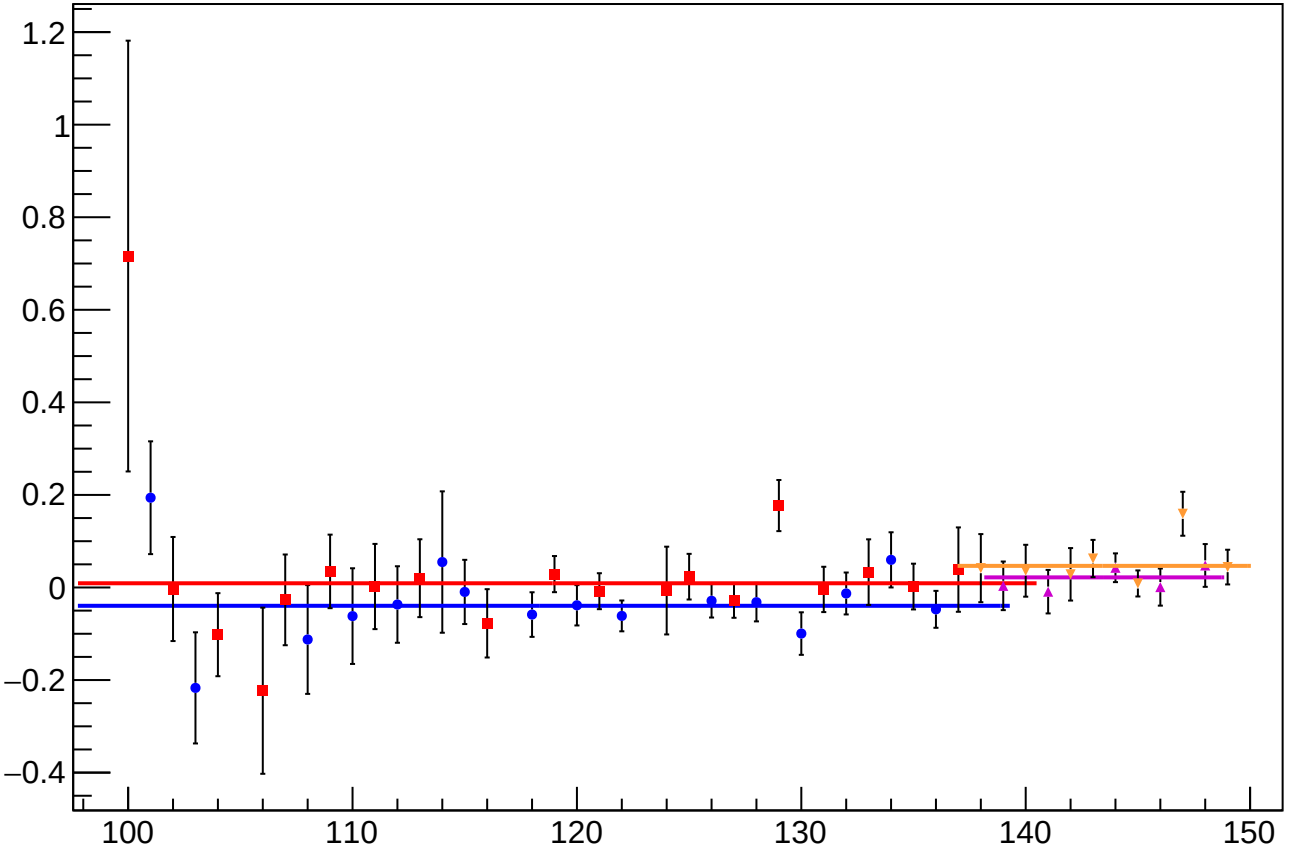
Left In: 0.001+/-0.000 χ^2/NDF:680930.0/4

+ sign 0.001+/-0.000 χ^2/NDF: 5929245.2/22

All: 0.001+/-0.000 χ^2/NDF: 12020692.0/46

- sign 0.002+/-0.000 χ^2/NDF: 6054565.4/23

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.016 χ^2/NDF:7.7/6

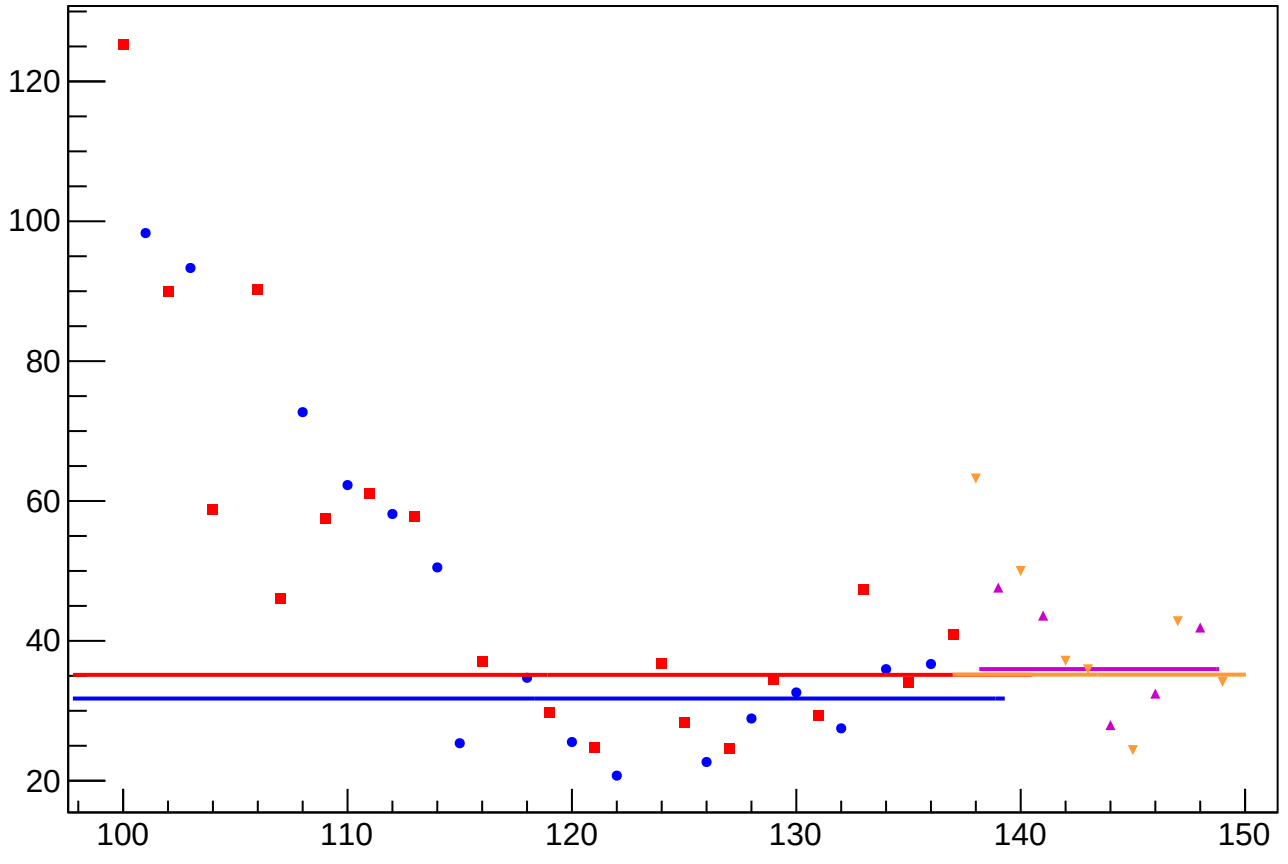
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.022+/-0.018 χ^2/NDF:1.6/4

+ sign -0.005+/-0.010 χ^2/NDF: 37.4/22

All: 0.003+/-0.008 χ^2/NDF: 59.1/46

- 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: 35.172+/-0.011 χ^2/NDF:780535.9/6

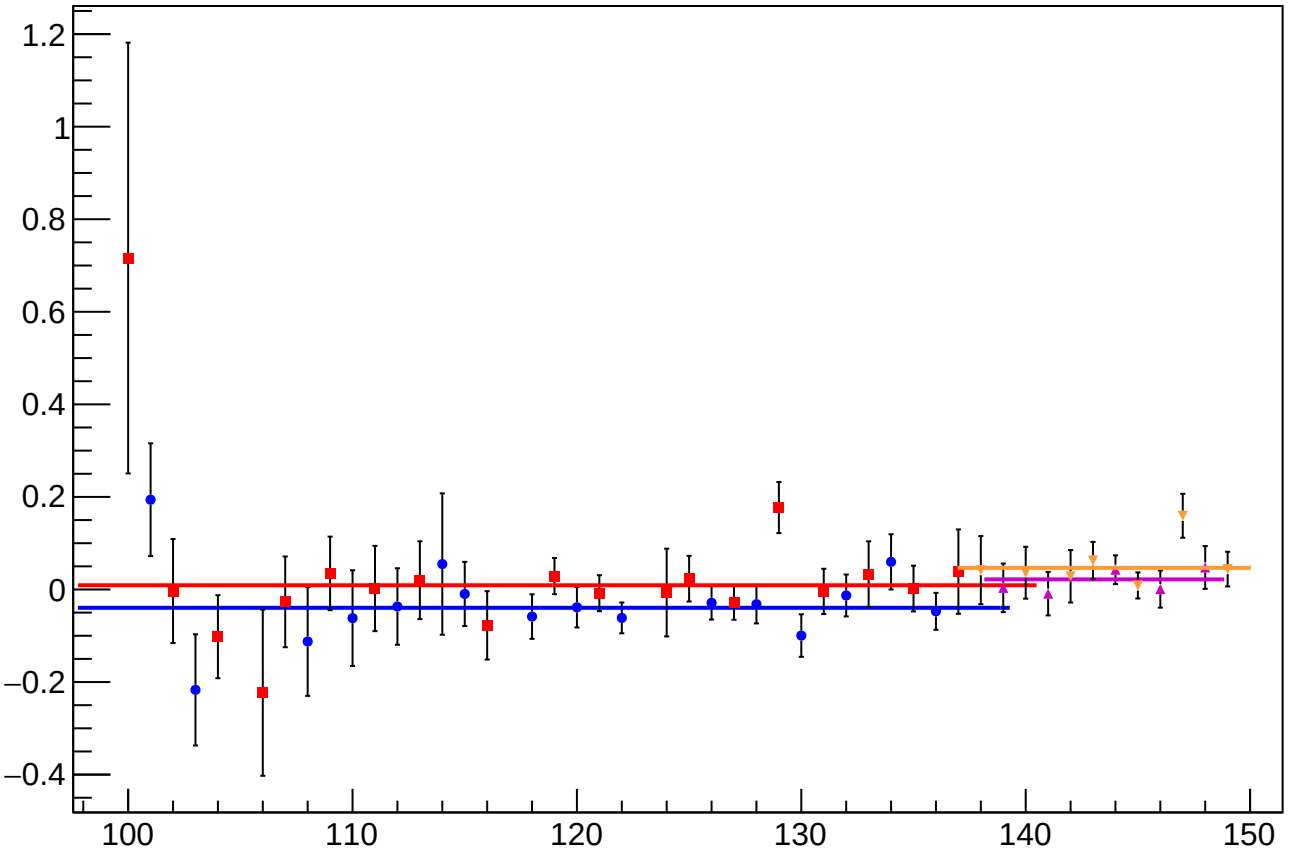
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.965+/-0.013 χ^2/NDF:332899.6/4

\+ sign 33.122+/-0.007 χ^2/NDF: 3086800.9/22

All: 34.172+/-0.005 χ^2/NDF: 5313727.8/46

\- 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+/-0.016 χ^2/NDF:7.7/6

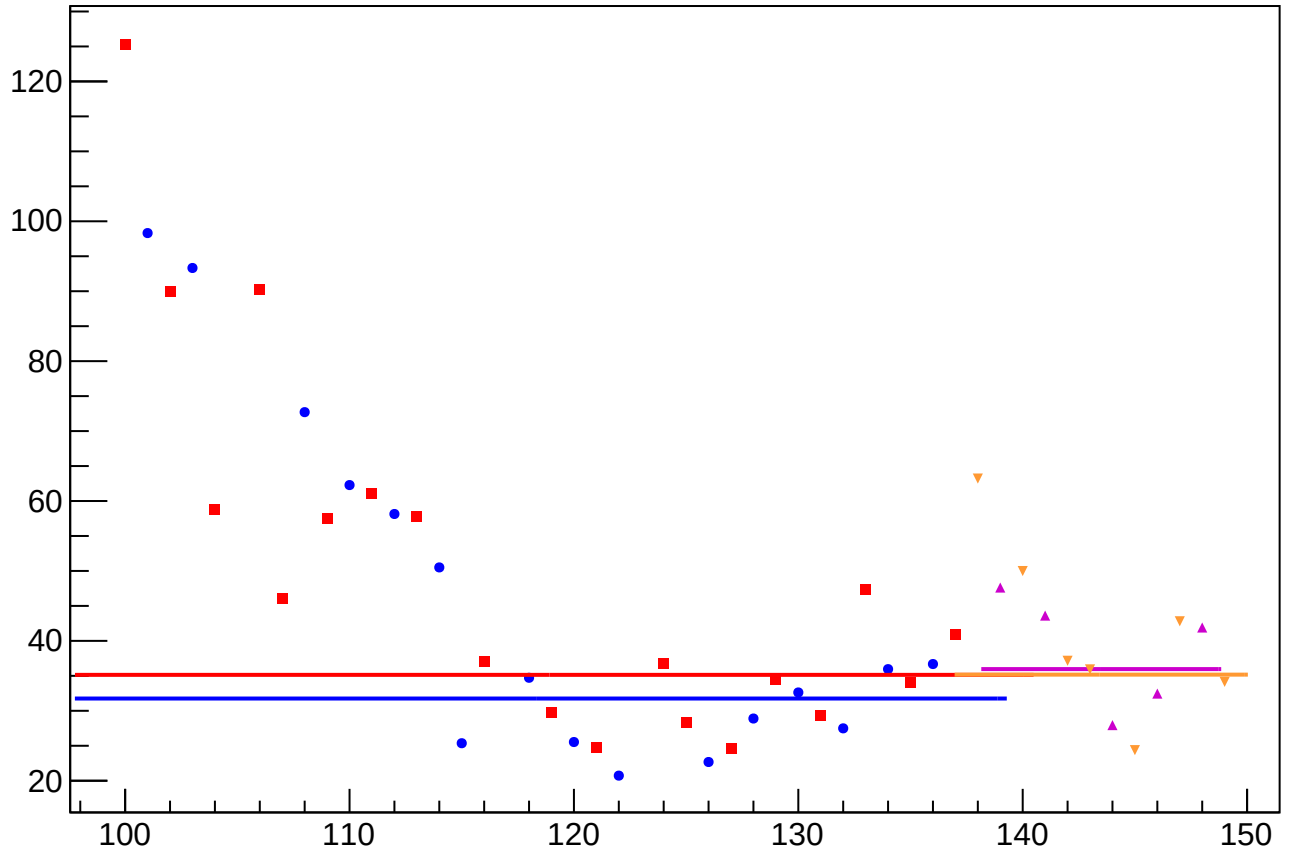
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.022+/-0.018 χ^2/NDF:1.6/4

+ sign -0.005+/-0.010 χ^2/NDF: 37.4/22

All: 0.003+/-0.008 χ^2/NDF: 59.1/46

- 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: 35.172+/-0.011 χ^2/NDF:780535.9/6

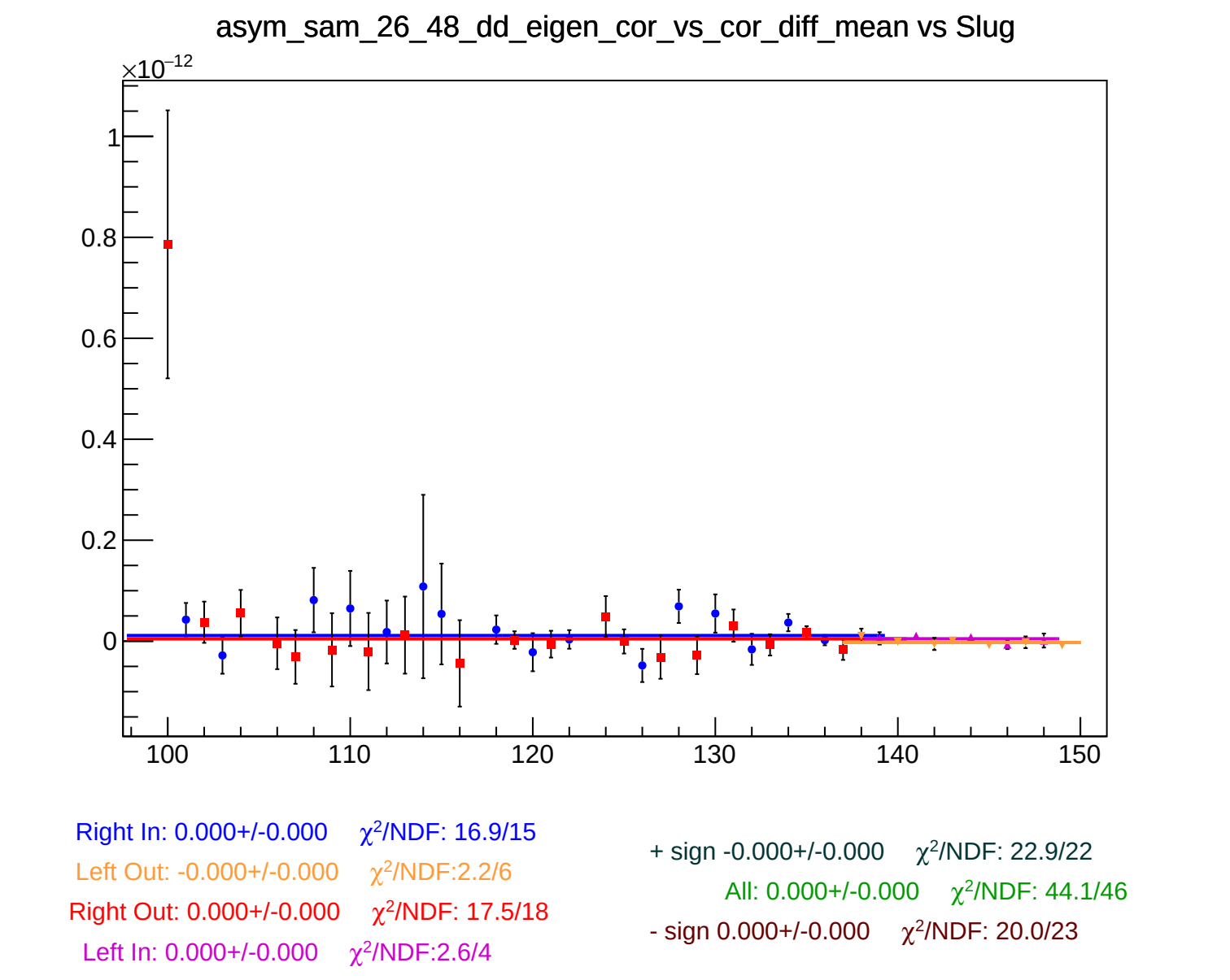
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

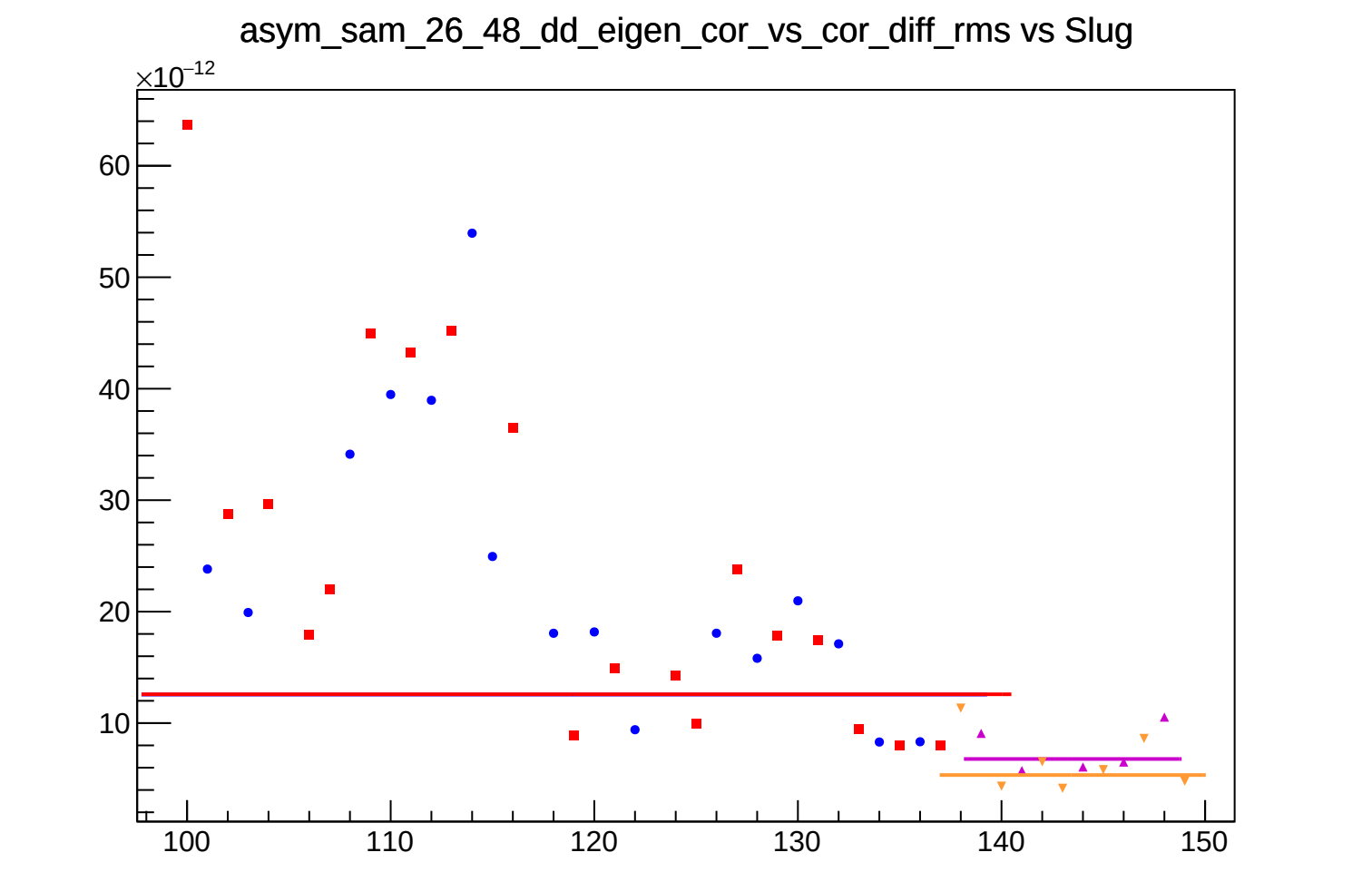
Left In: 35.965+/-0.013 χ^2/NDF:332899.6/4

+ sign 33.122+/-0.007 χ^2/NDF: 3086800.9/22

All: 34.172+/-0.005 χ^2/NDF: 5313727.8/46

- 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:2.2/6
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: 22.9/22
All: 0.000+/-0.000 χ²/NDF: 44.1/46
- 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:672947.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

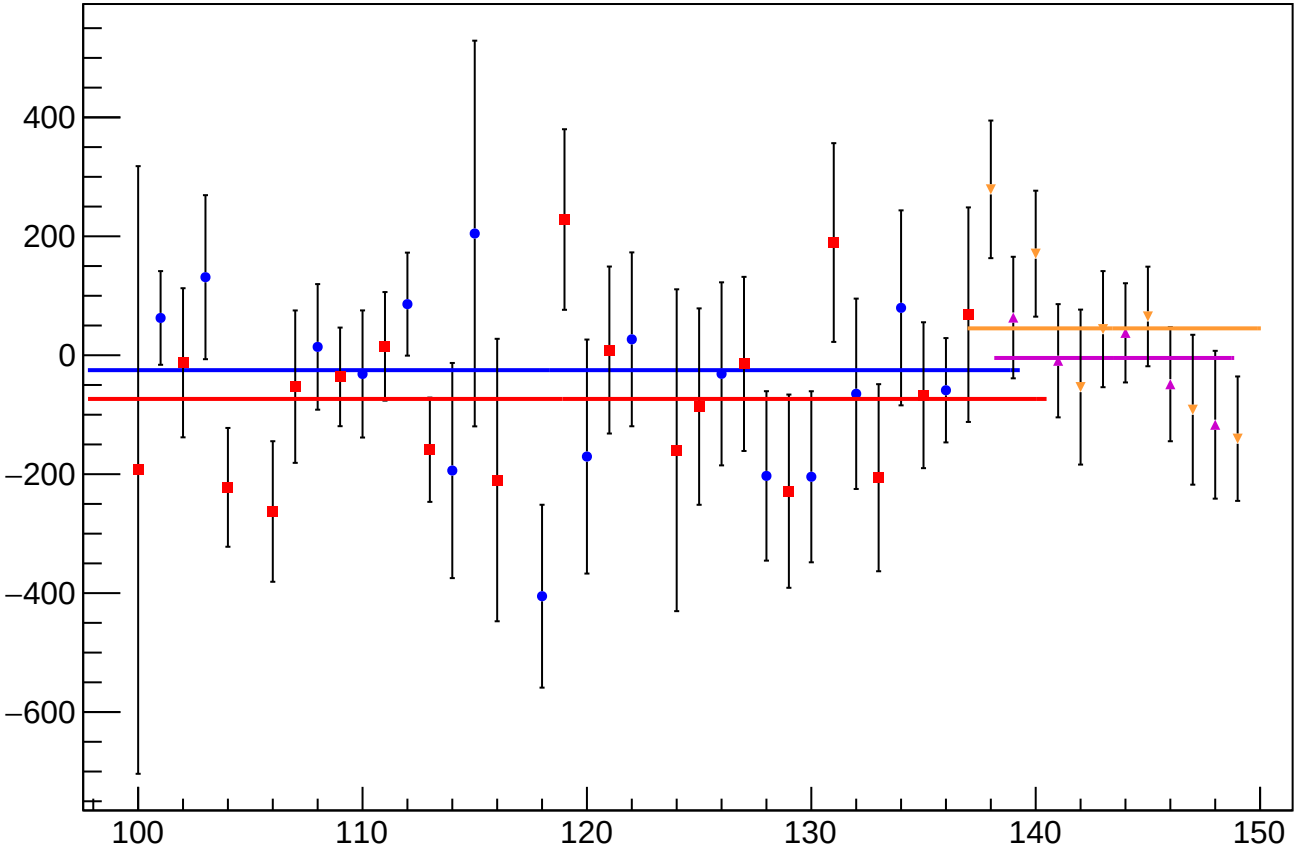
Left In: 0.000+/-0.000 χ^2/NDF:275606.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 4893061.3/22

All: 0.000+/-0.000 χ^2/NDF: 9324855.3/46

- 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: 45.199+/-40.010 χ^2/NDF:10.4/6

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

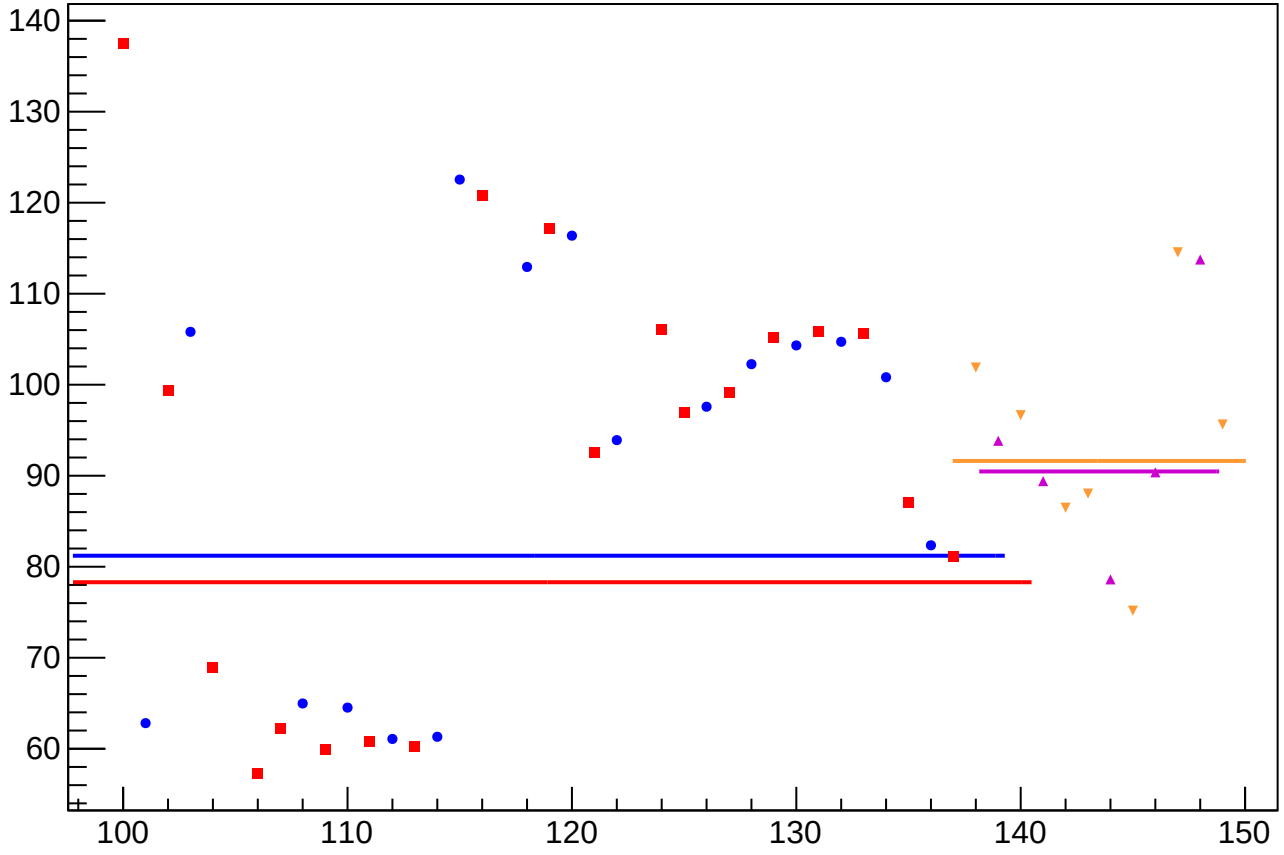
Left In: -4.578+/-43.715 χ^2/NDF:1.7/4

+ sign 1.532+/-24.618 χ^2/NDF: 28.6/22

All: -24.882+/-17.436 χ^2/NDF: 51.1/46

- 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: 91.623+/-0.028 χ^2/NDF:172378.1/6

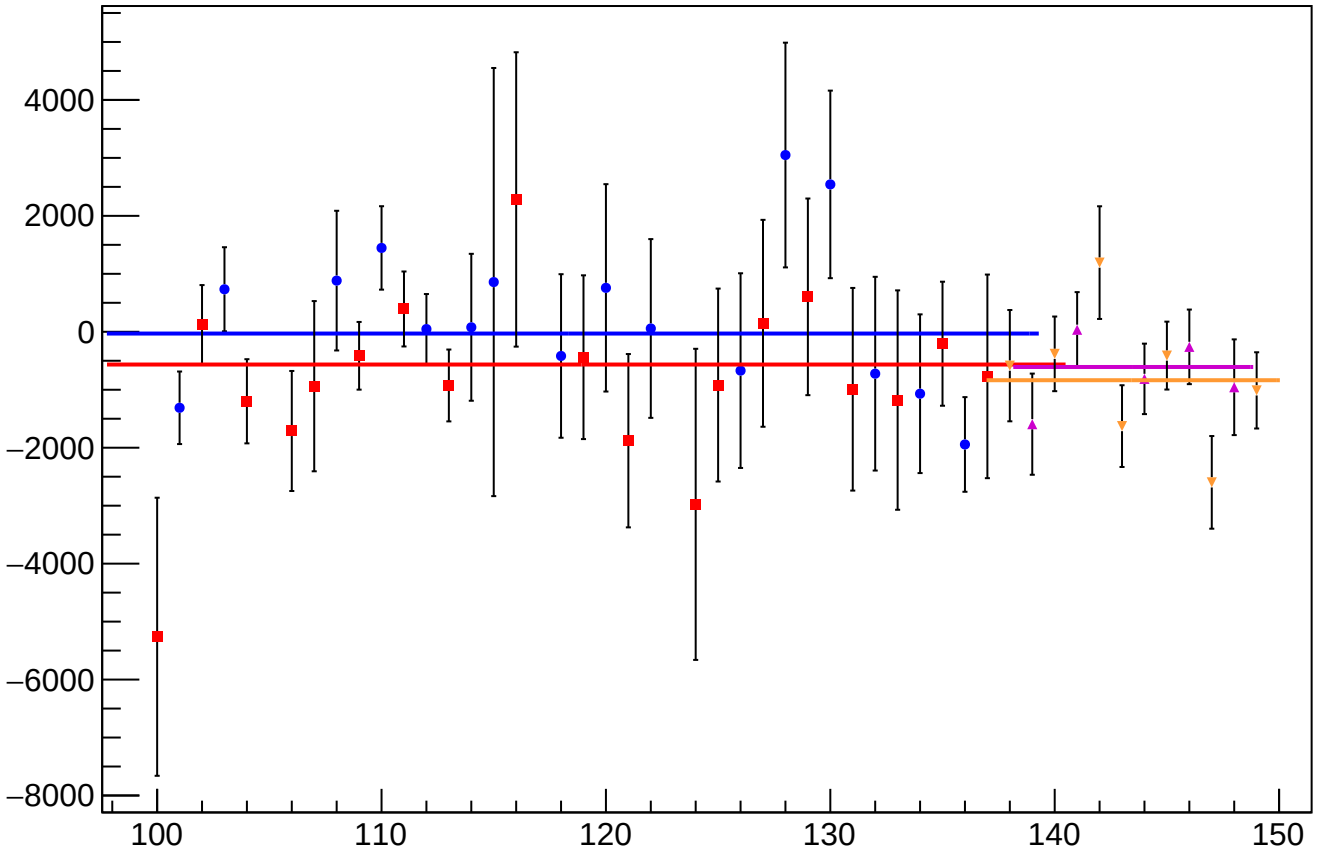
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 90.467+/-0.031 χ^2/NDF:113061.6/4

+ sign 85.152+/-0.017 χ^2/NDF: 1044237.1/22

All: 83.672+/-0.012 χ^2/NDF: 2211981.2/46

- sign 82.183+/-0.017 χ^2/NDF: 1153244.0/23



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -835.617+/-273.593 χ^2/NDF:11.6/6

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

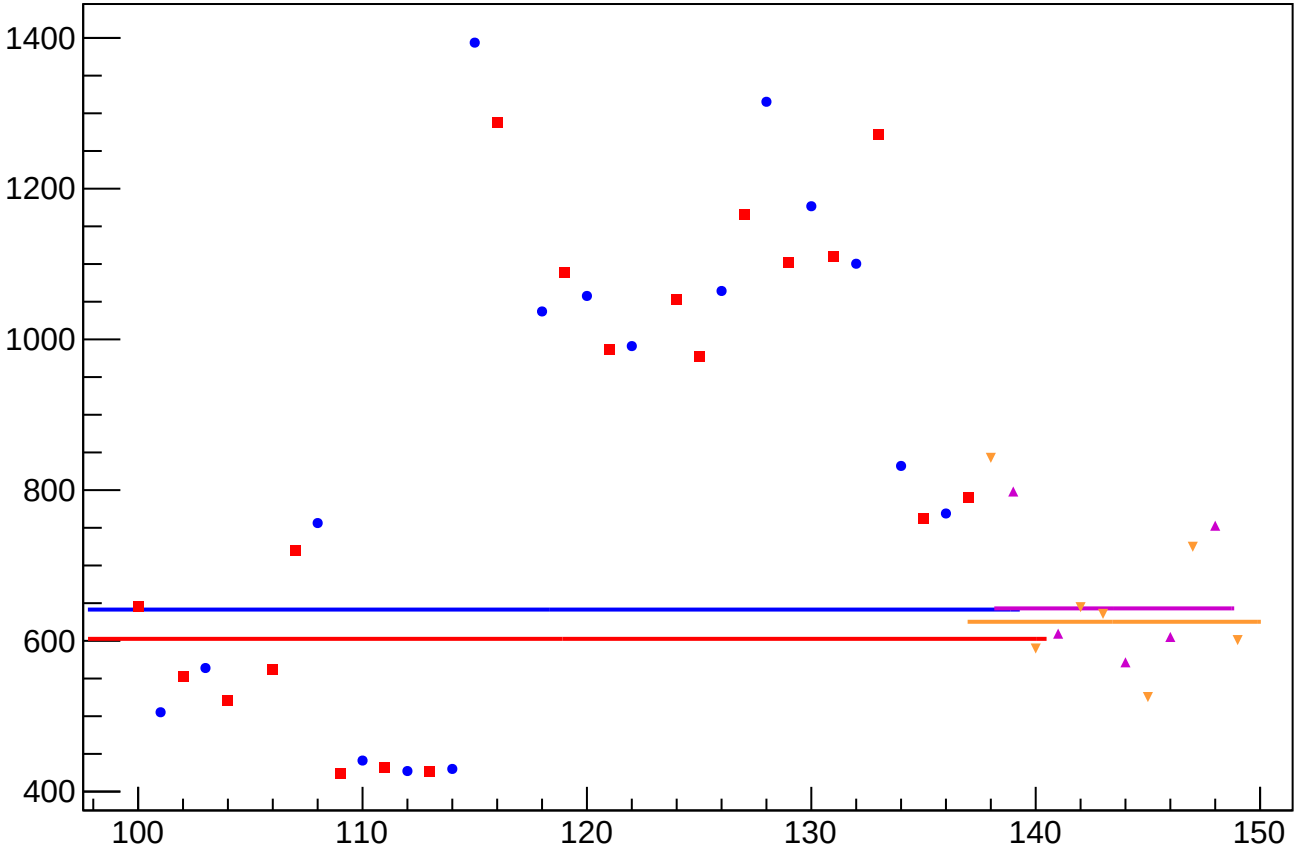
Left In: -607.254+/-311.961 χ^2/NDF:2.8/4

+ sign -407.854+/-187.318 χ^2/NDF: 38.1/22

All: -493.200+/-133.207 χ^2/NDF: 54.7/46

- 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: 625.317+/-0.193 χ^2/NDF:201900.6/6

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

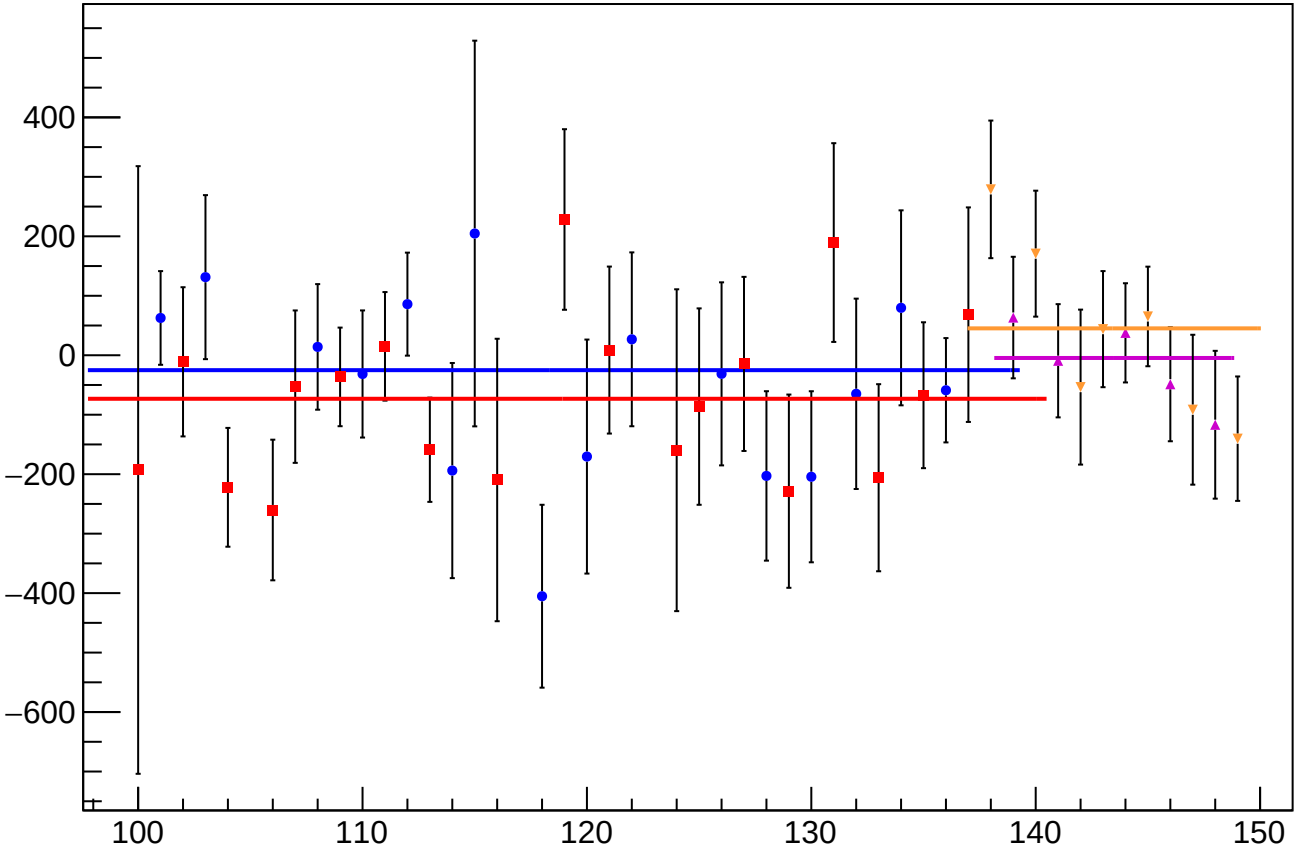
Left In: 643.065+/-0.221 χ^2/NDF:138473.6/4

+ sign 633.913+/-0.132 χ^2/NDF: 2080607.9/22

All: 625.830+/-0.094 χ^2/NDF: 4318105.7/46

- 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: 45.210+/-40.010 χ^2/NDF:10.4/6

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

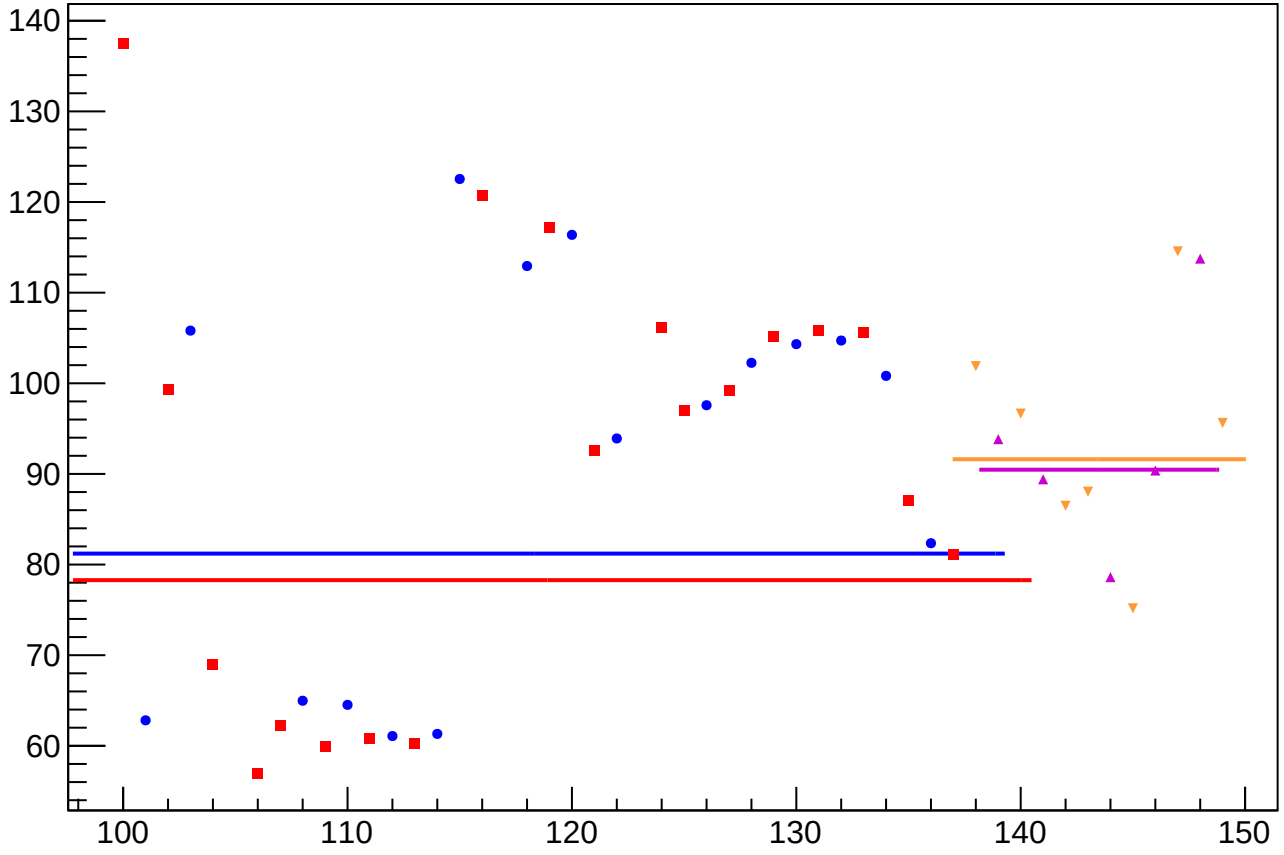
Left In: -4.586+/-43.715 χ^2/NDF:1.7/4

+ sign 1.534+/-24.618 χ^2/NDF: 28.6/22

All: -24.790+/-17.437 χ^2/NDF: 51.0/46

- 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: 91.623+/-0.028 χ^2/NDF:172378.1/6

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

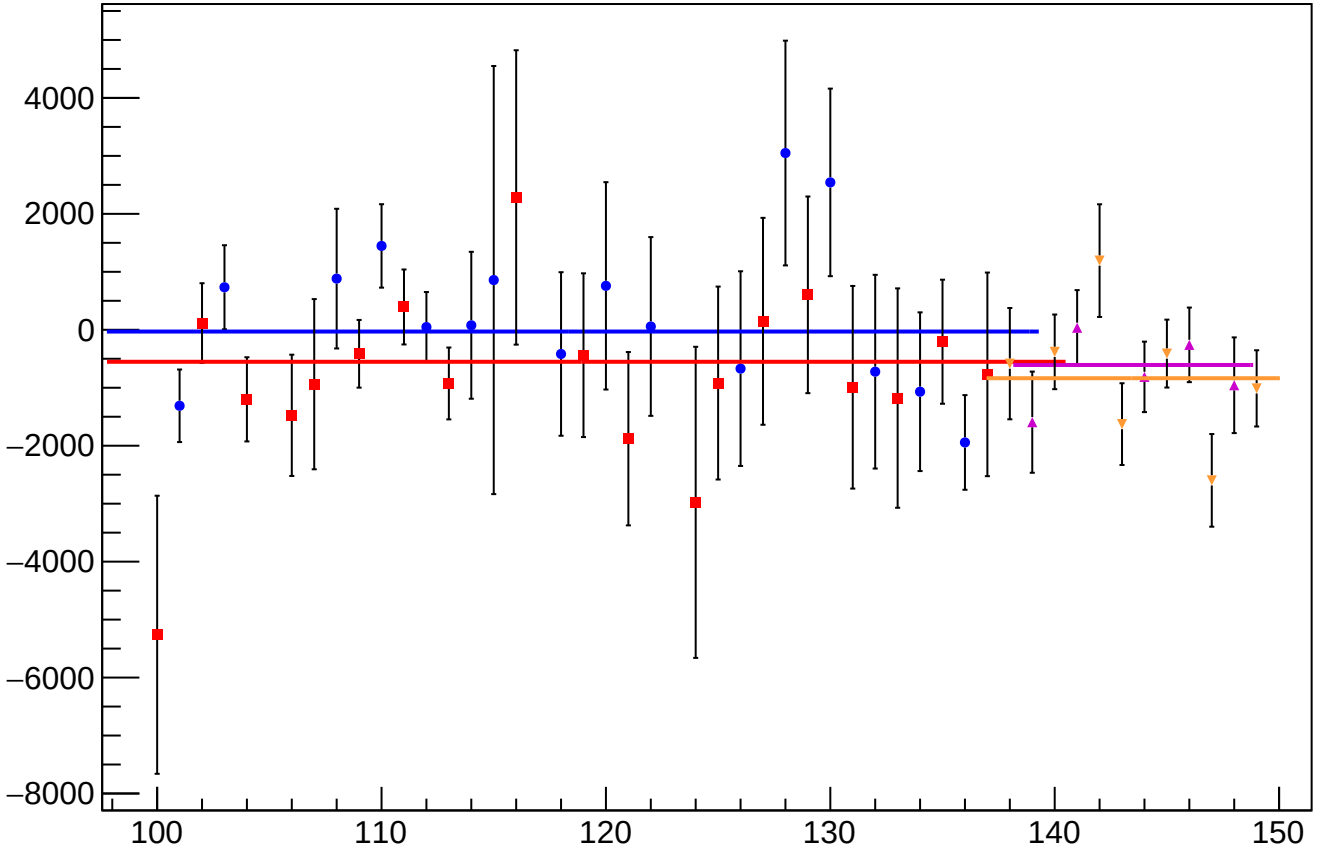
Left In: 90.467+/-0.031 χ^2/NDF:113061.6/4

+ sign 85.152+/-0.017 χ^2/NDF: 1044239.1/22

All: 83.666+/-0.012 χ^2/NDF: 2214561.6/46

- sign 82.170+/-0.017 χ^2/NDF: 1155701.8/23

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -835.608+/-273.593 χ^2/NDF:11.6/6

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

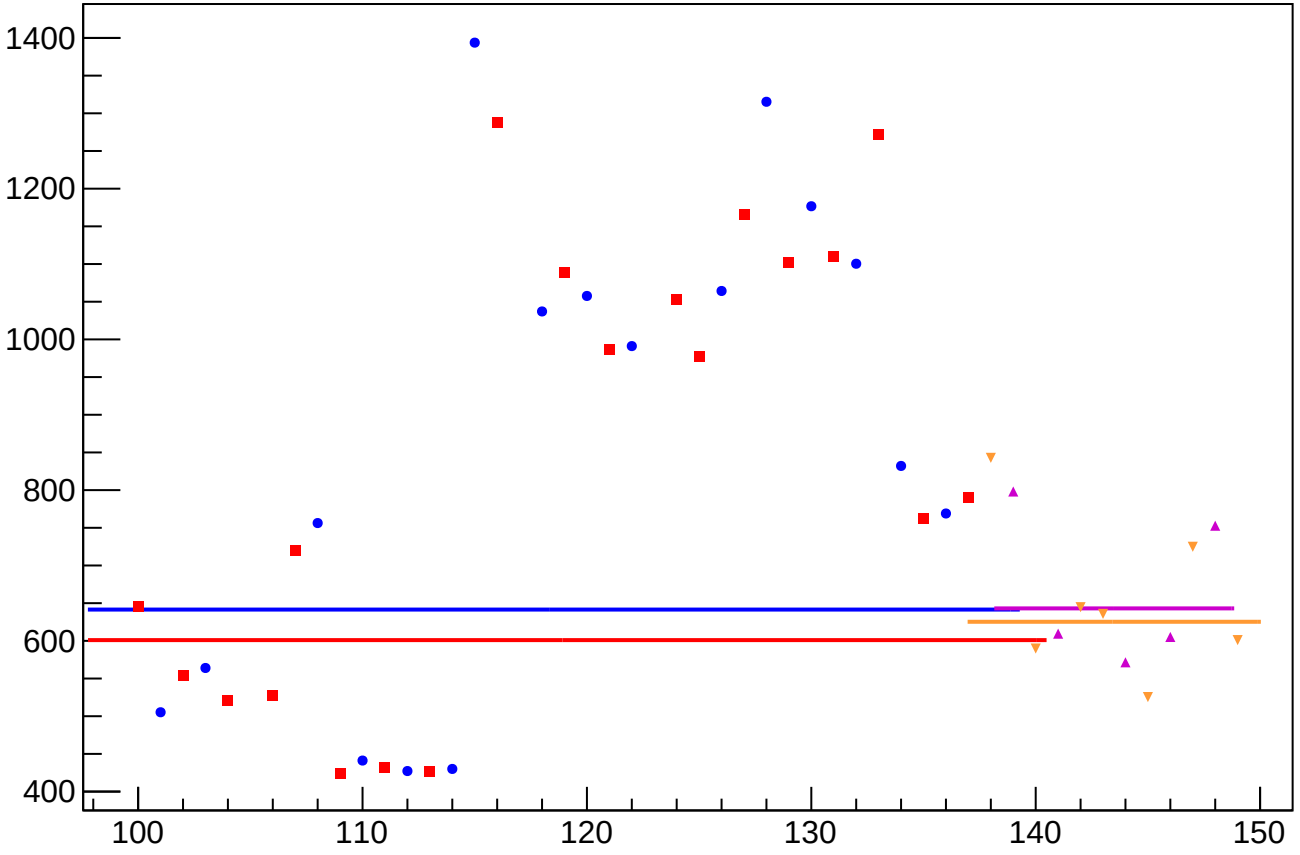
Left In: -607.263+/-311.962 χ^2/NDF:2.8/4

+ sign -407.868+/-187.319 χ^2/NDF: 38.1/22

All: -489.148+/-133.233 χ^2/NDF: 54.2/46

- 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: 625.317+/-0.193 χ^2/NDF:201901.4/6

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

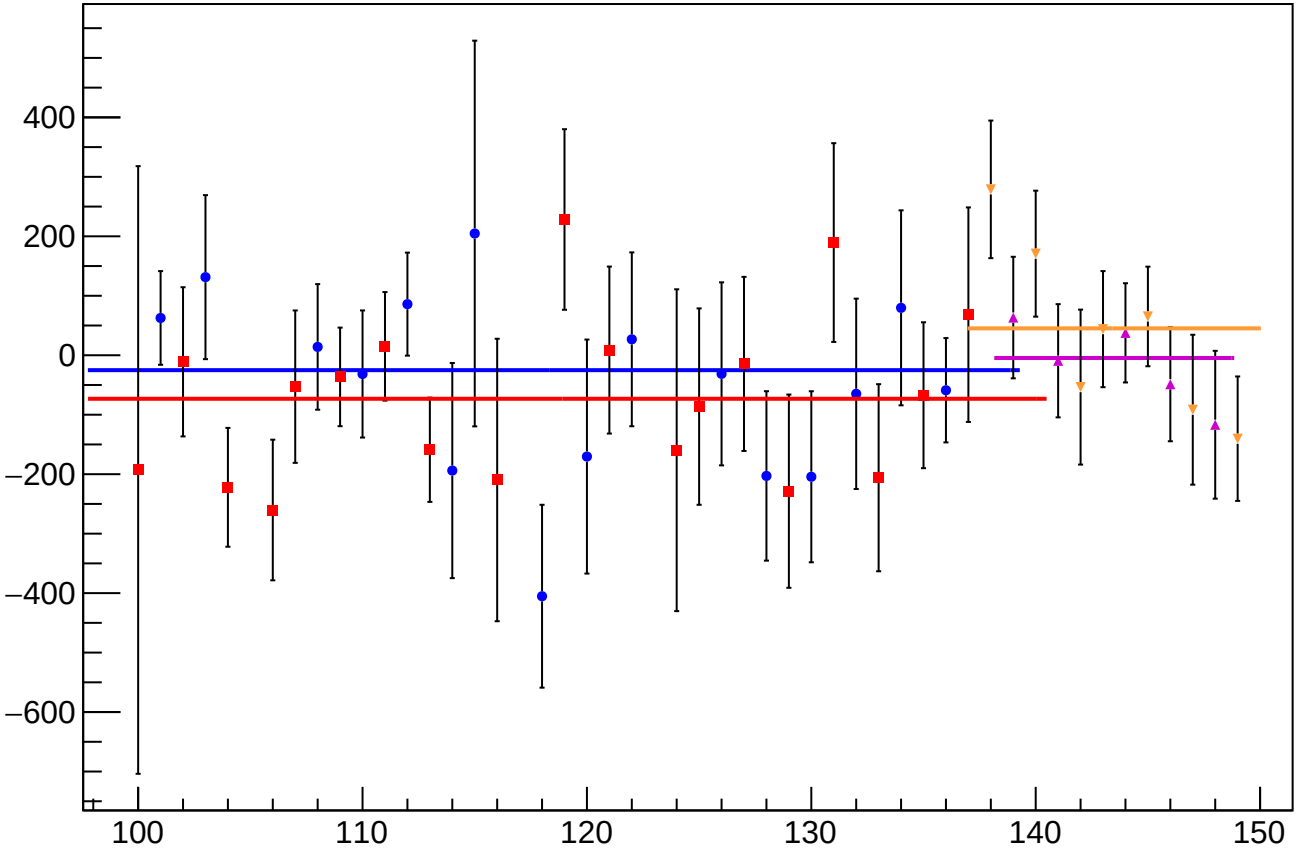
Left In: 643.065+/-0.221 χ^2/NDF:138472.0/4

+ sign 633.918+/-0.132 χ^2/NDF: 2080572.1/22

All: 625.318+/-0.094 χ^2/NDF: 4327775.5/46

- sign 616.513+/-0.134 χ^2/NDF: 2238671.8/23

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 45.210+/-40.010 χ^2/NDF:10.4/6

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

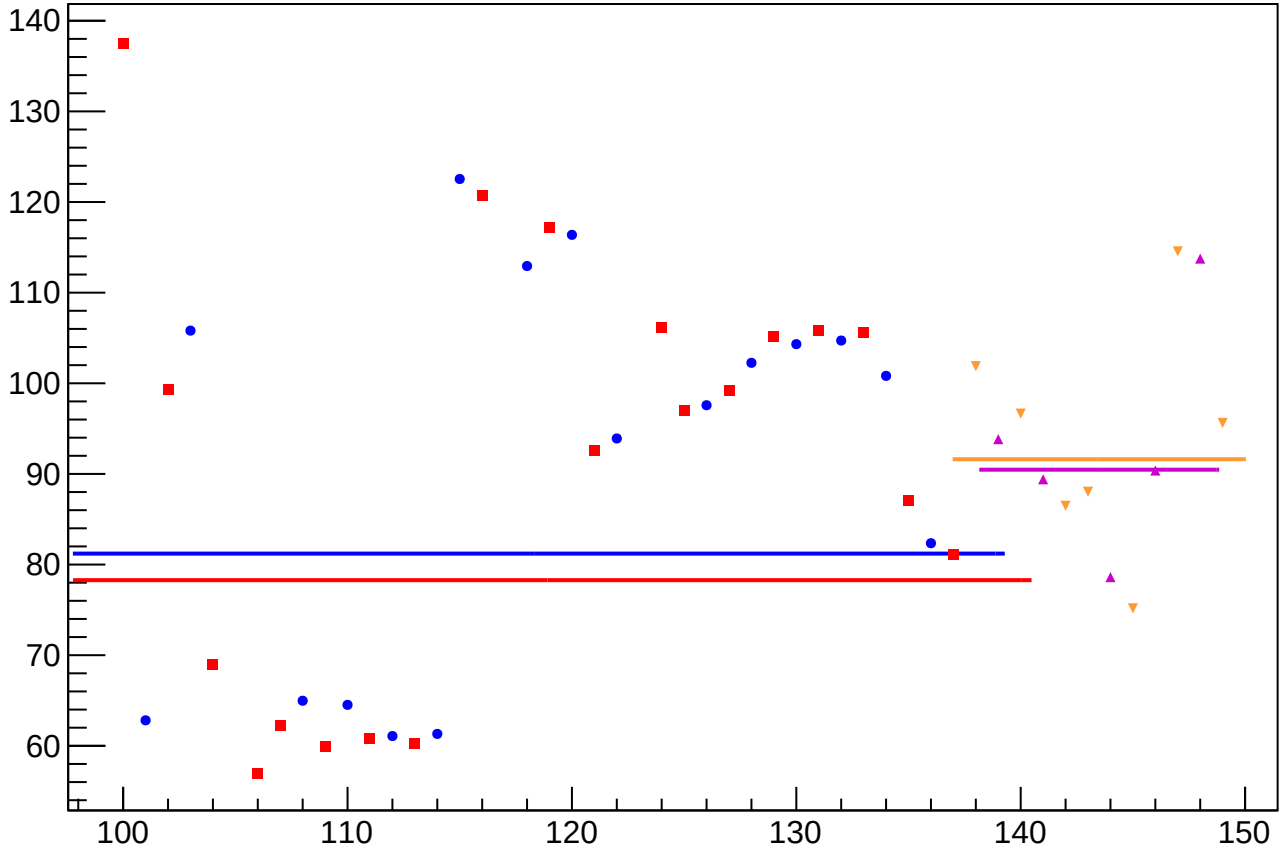
Left In: -4.586+/-43.715 χ^2/NDF:1.7/4

+ sign 1.534+/-24.618 χ^2/NDF: 28.6/22

All: -24.790+/-17.437 χ^2/NDF: 51.0/46

- 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: 91.623+/-0.028 χ^2/NDF:172378.1/6

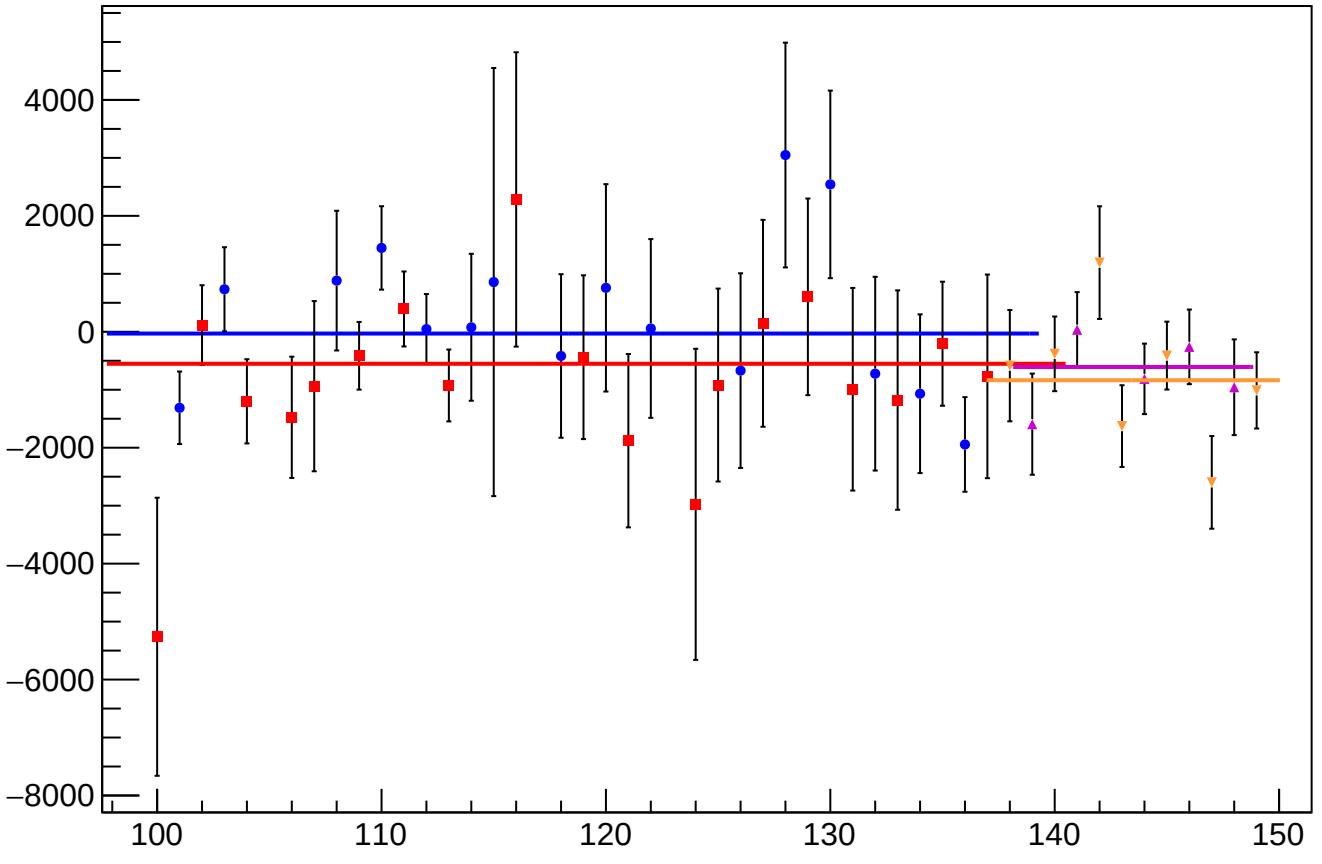
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 90.467+/-0.031 χ^2/NDF:113061.6/4

+ sign 85.152+/-0.017 χ^2/NDF: 1044239.1/22

All: 83.666+/-0.012 χ^2/NDF: 2214561.6/46

- 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: -835.608+/-273.593 χ^2/NDF:11.6/6

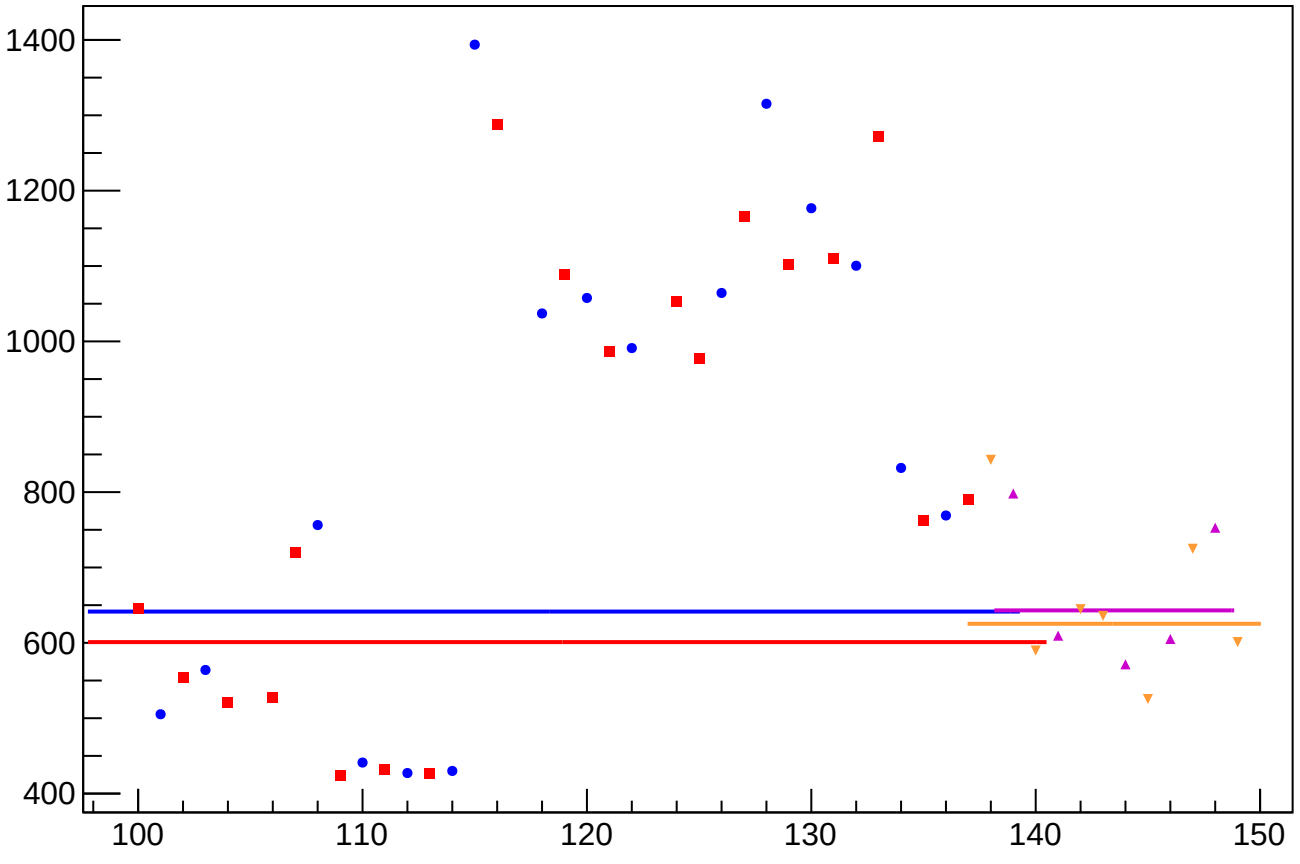
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -607.263+/-311.962 χ^2/NDF:2.8/4

+ sign -407.868+/-187.319 χ^2/NDF: 38.1/22

All: -489.148+/-133.233 χ^2/NDF: 54.2/46

- 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: 625.317+/-0.193 χ^2/NDF:201901.4/6

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

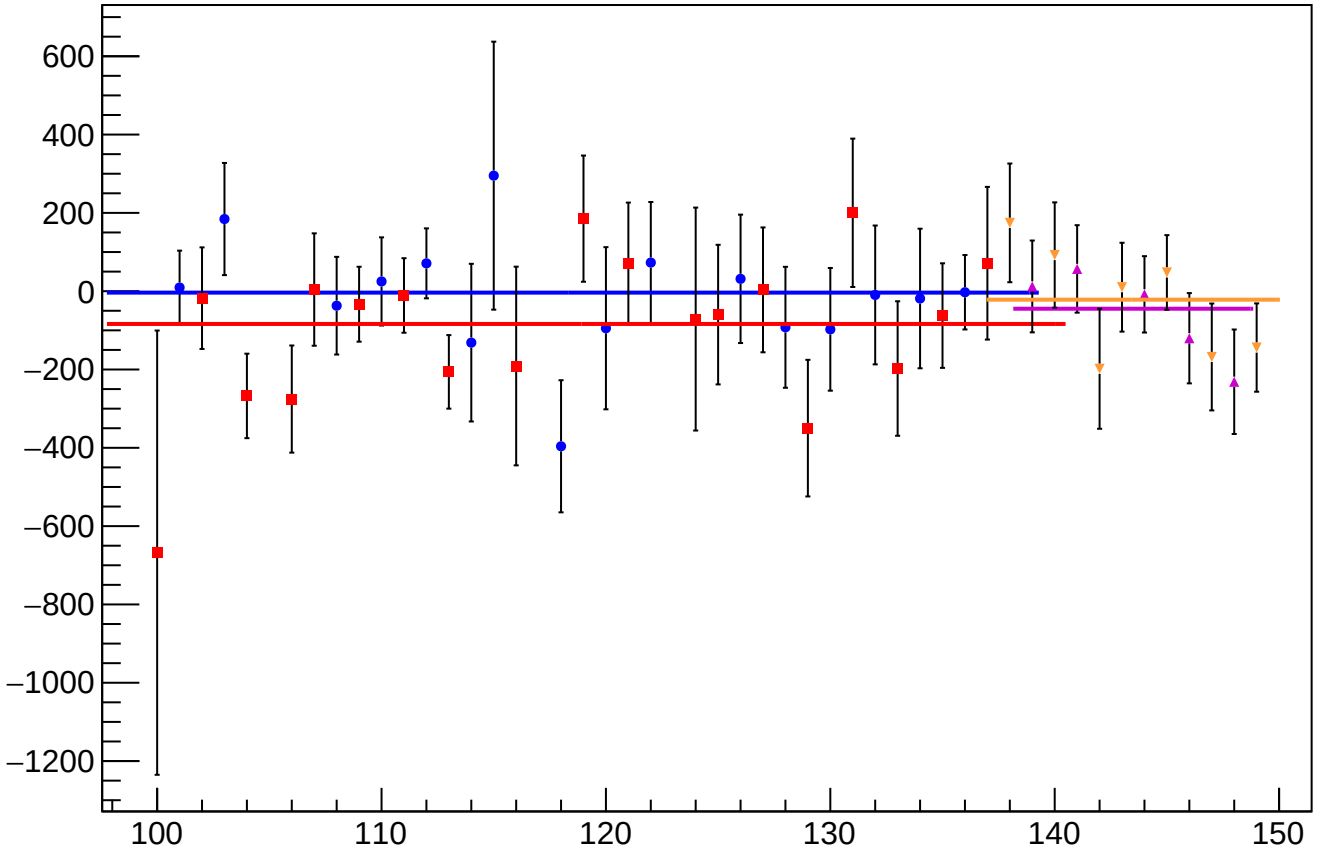
Left In: 643.065+/-0.221 χ^2/NDF:138472.0/4

+ sign 633.918+/-0.132 χ^2/NDF: 2080572.1/22

All: 625.318+/-0.094 χ^2/NDF: 4327775.5/46

- 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: -21.655+/-46.554 χ^2/NDF:6.7/6

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

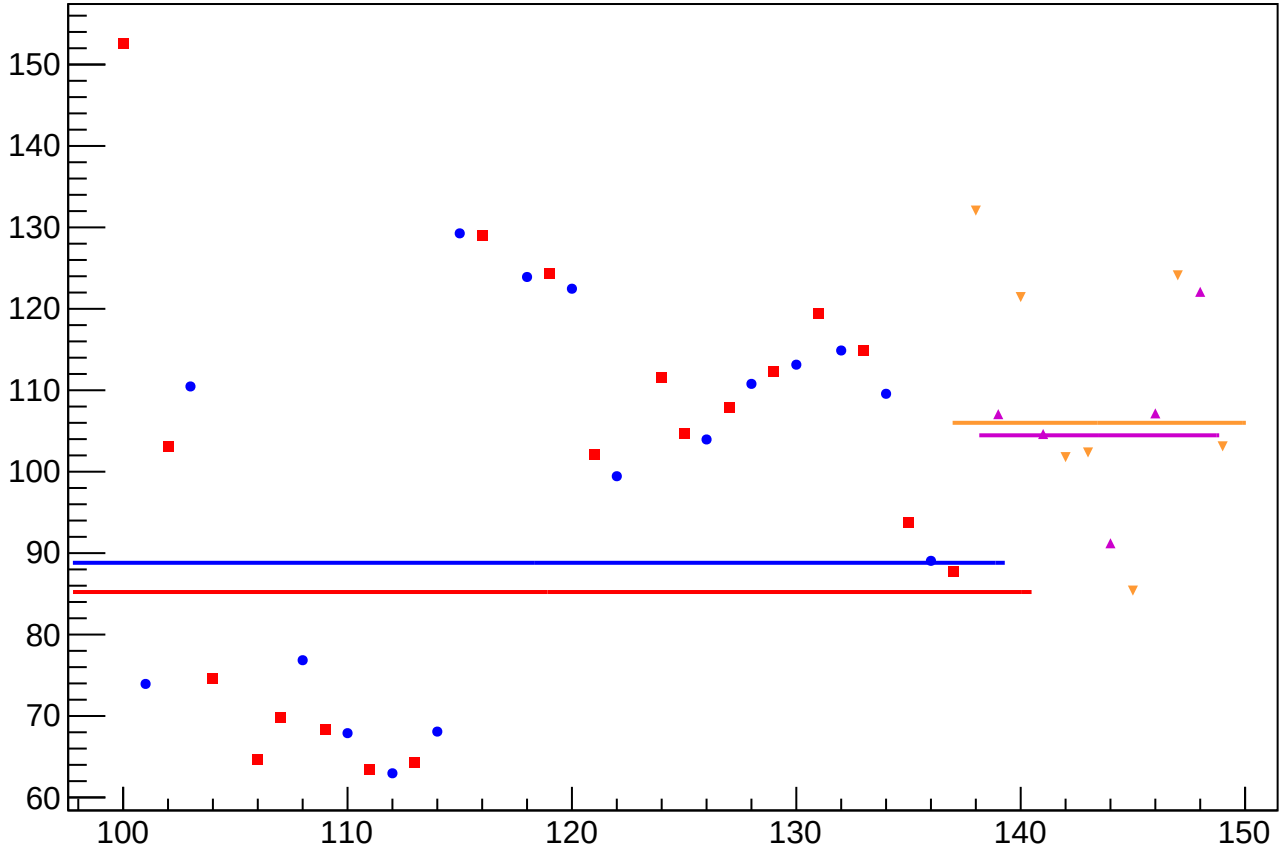
Left In: -44.763+/-50.665 χ^2/NDF:3.6/4

+ sign -9.940+/-27.537 χ^2/NDF: 17.1/22

All: -41.219+/-19.435 χ^2/NDF: 42.7/46

- 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: 106.004+/-0.033 χ^2/NDF:219087.9/6

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

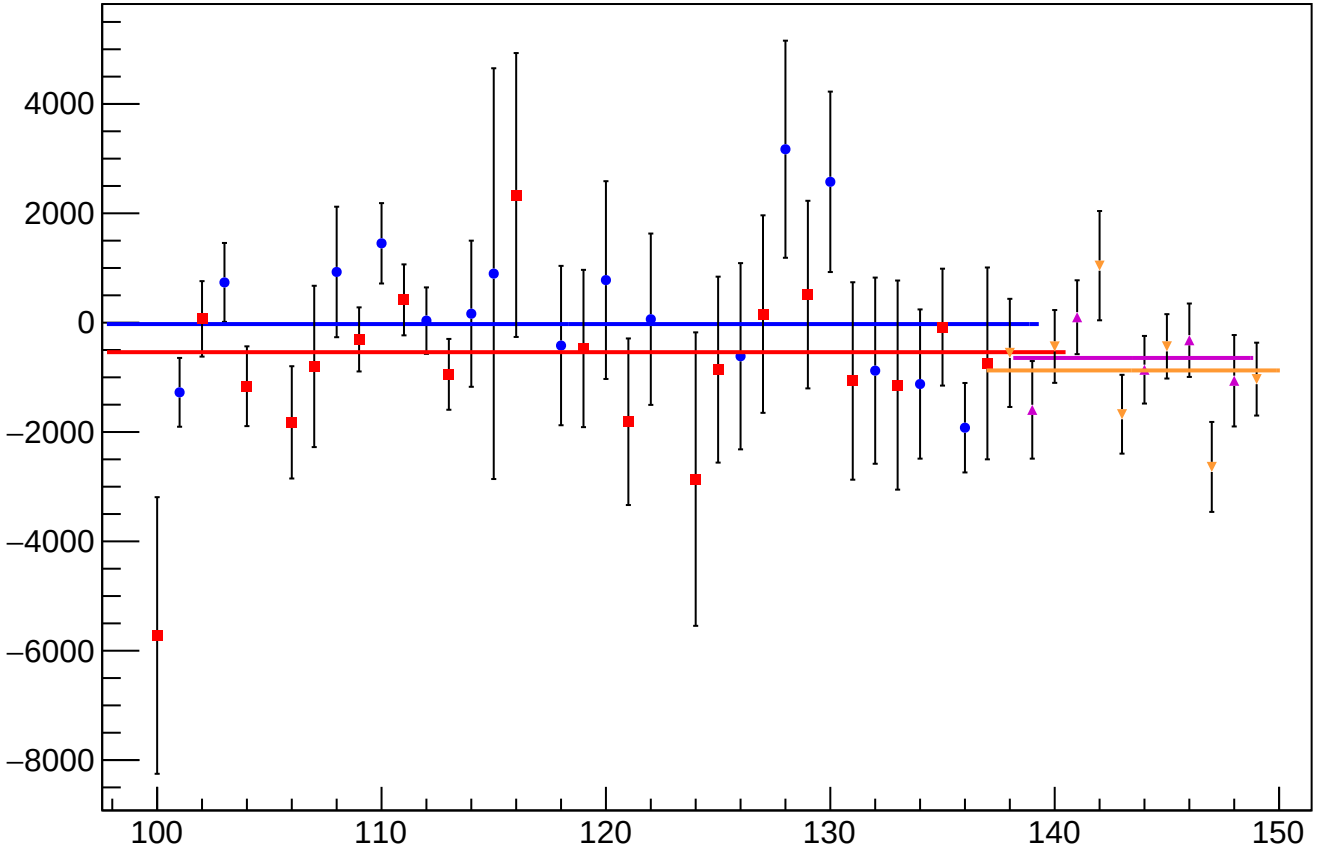
Left In: 104.468+/-0.036 χ^2/NDF:73957.8/4

+ sign 94.828+/-0.019 χ^2/NDF: 1120982.3/22

All: 92.840+/-0.014 χ^2/NDF: 2303705.5/46

- 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: -873.735+/-279.315 χ^2/NDF:10.7/6

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

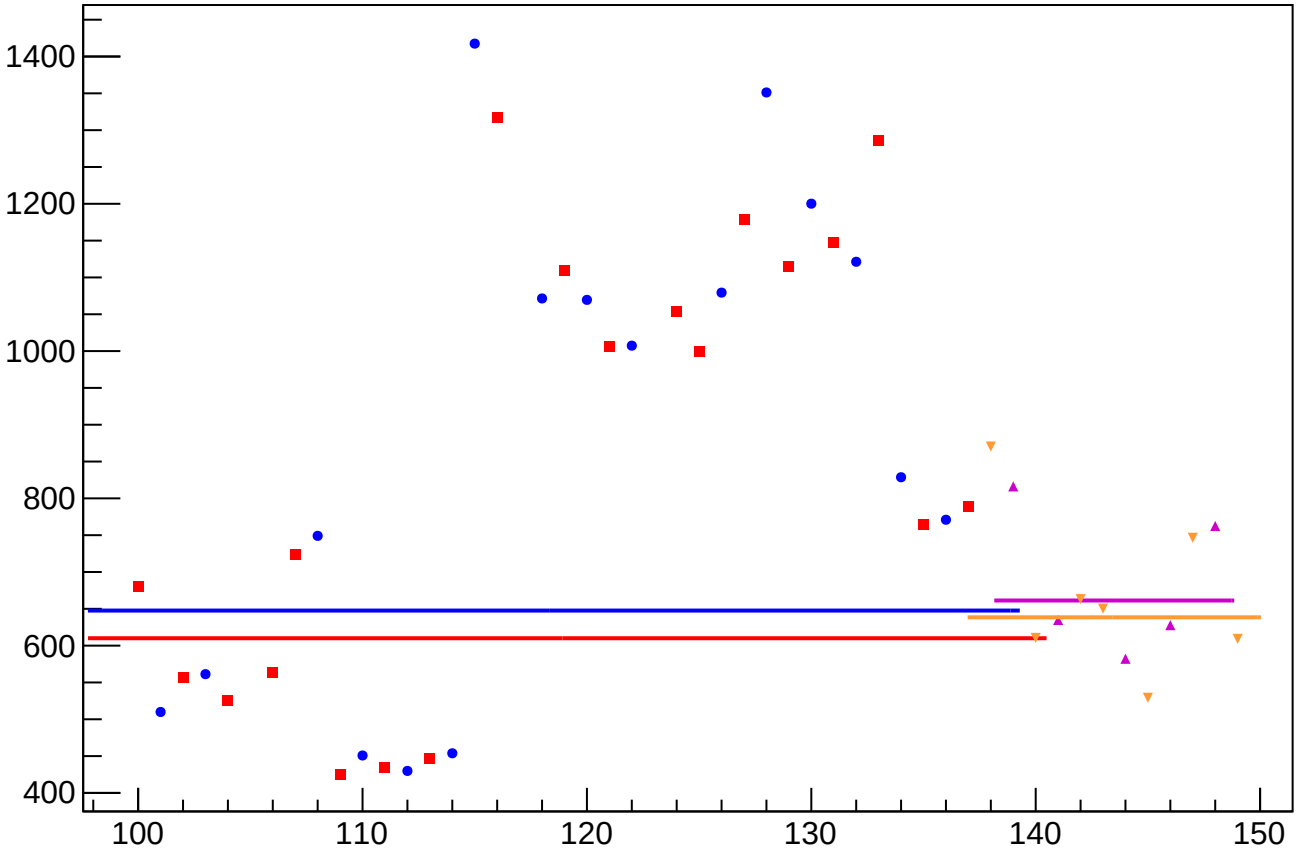
Left In: -645.373+/-320.909 χ^2/NDF:3.0/4

+ sign -418.450+/-190.075 χ^2/NDF: 37.2/22

All: -496.985+/-135.367 χ^2/NDF: 54.2/46

- 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: 638.455+/-0.198 χ^2/NDF:222395.5/6

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

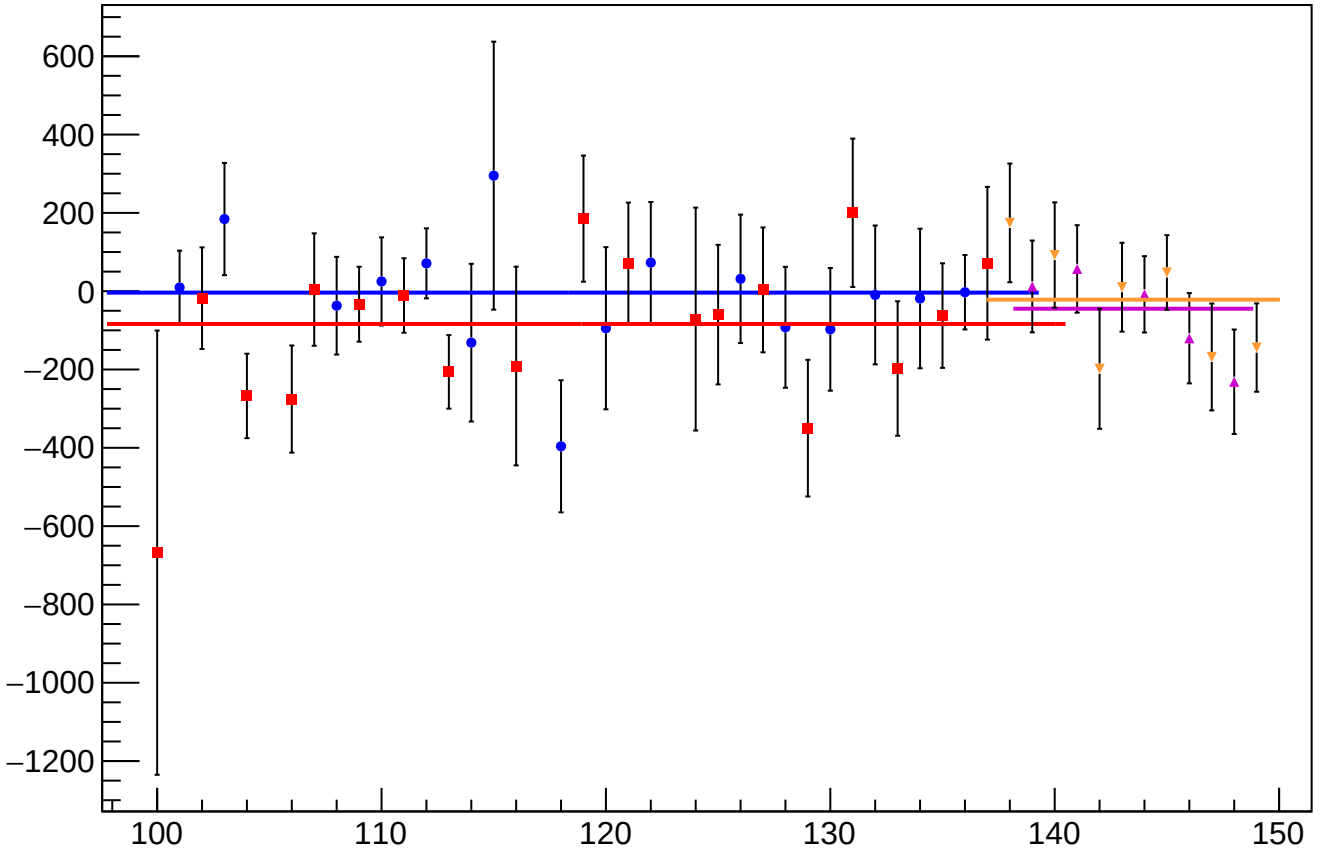
Left In: 661.300+/-0.227 χ^2/NDF:130307.7/4

+ sign 643.387+/-0.134 χ^2/NDF: 2111372.9/22

All: 636.081+/-0.096 χ^2/NDF: 4354502.9/46

- 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: -21.655+/-46.554 χ^2/NDF:6.7/6

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

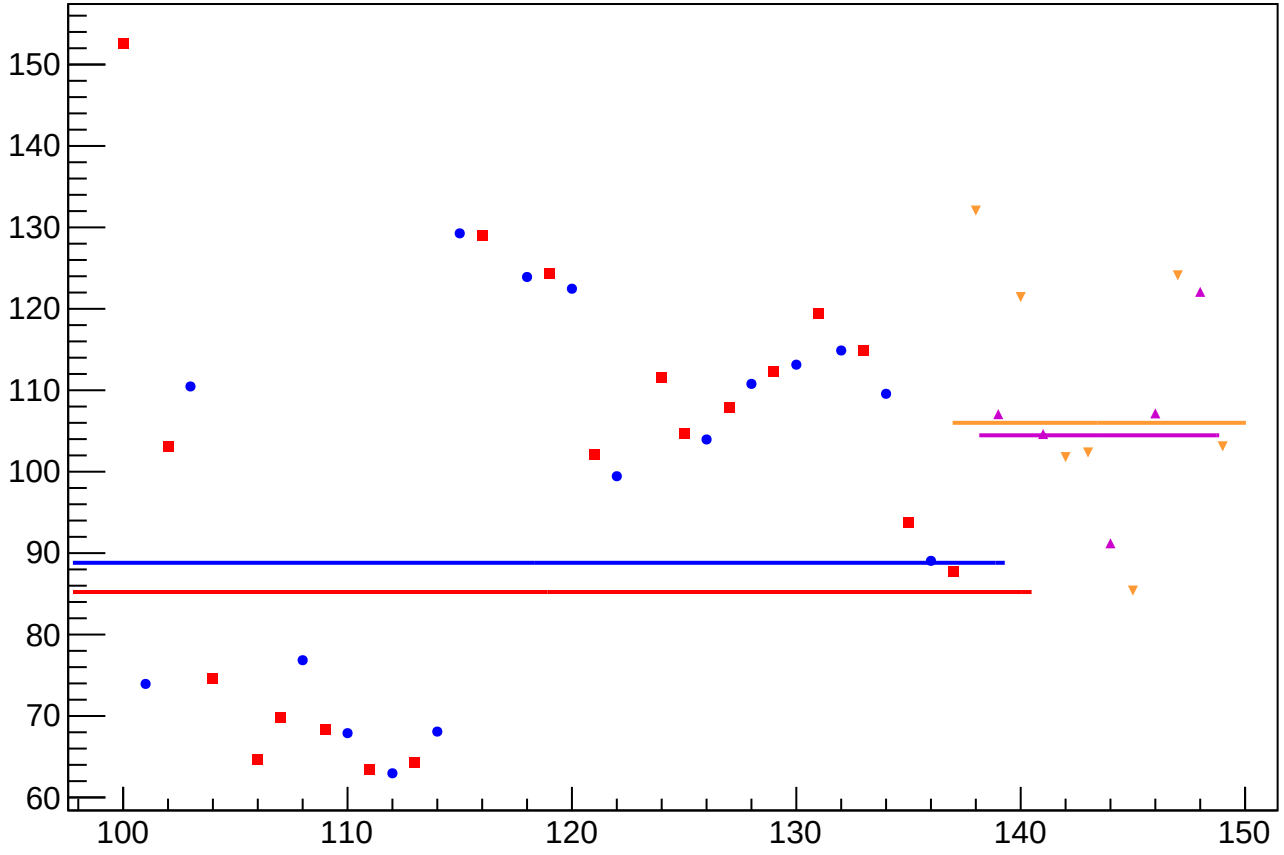
Left In: -44.764+/-50.665 χ^2/NDF:3.6/4

+ sign -9.939+/-27.537 χ^2/NDF: 17.1/22

All: -41.219+/-19.435 χ^2/NDF: 42.7/46

- 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: 106.004+/-0.033 χ^2/NDF:219086.4/6

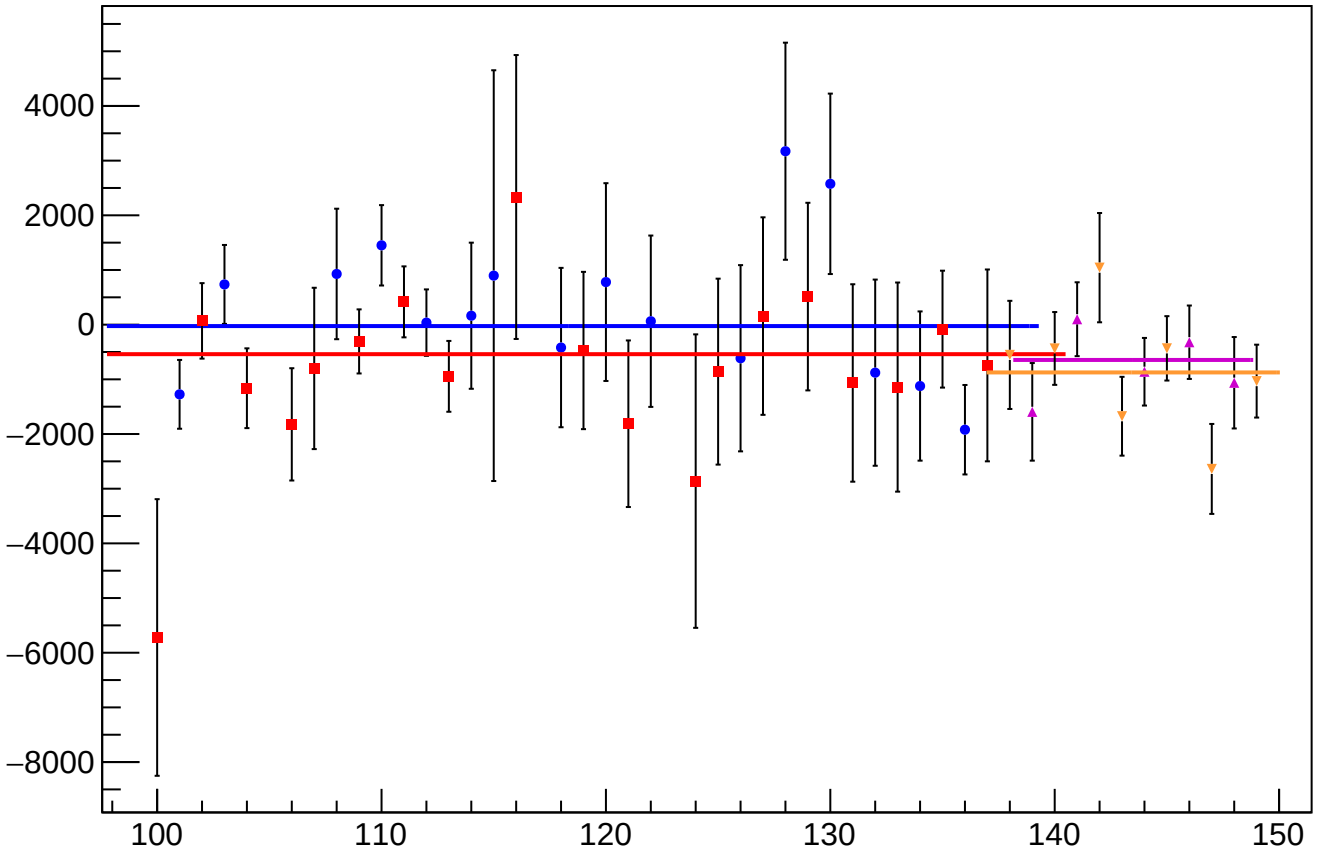
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 104.469+/-0.036 χ^2/NDF:73957.6/4

+ sign 94.828+/-0.019 χ^2/NDF: 1120985.9/22

All: 92.840+/-0.014 χ^2/NDF: 2303717.6/46

- 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: -873.735+/-279.315 χ^2/NDF:10.7/6

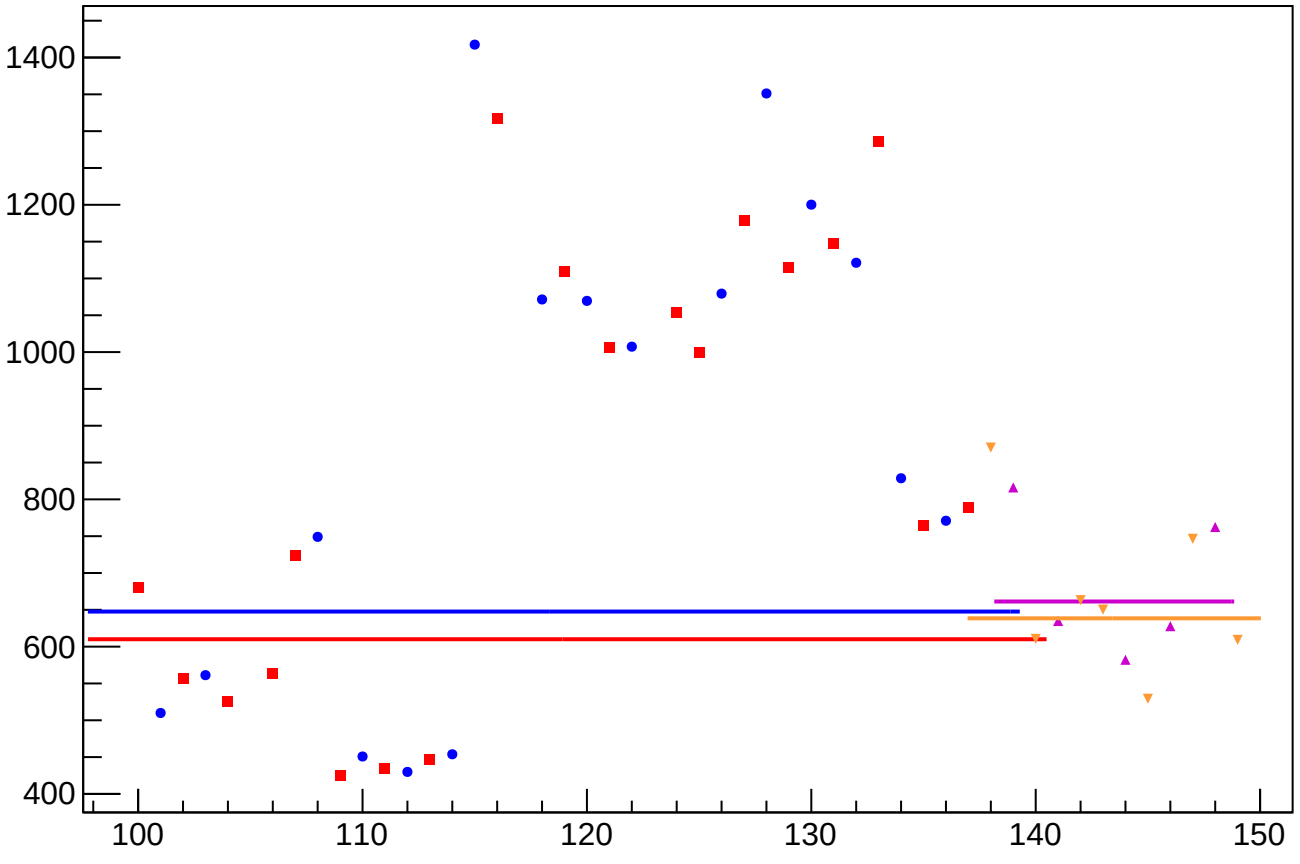
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -645.374+/-320.909 χ^2/NDF:3.0/4

+ sign -418.450+/-190.075 χ^2/NDF: 37.2/22

All: -496.985+/-135.367 χ^2/NDF: 54.2/46

- 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: 638.454+/-0.198 χ^2/NDF:222397.2/6

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

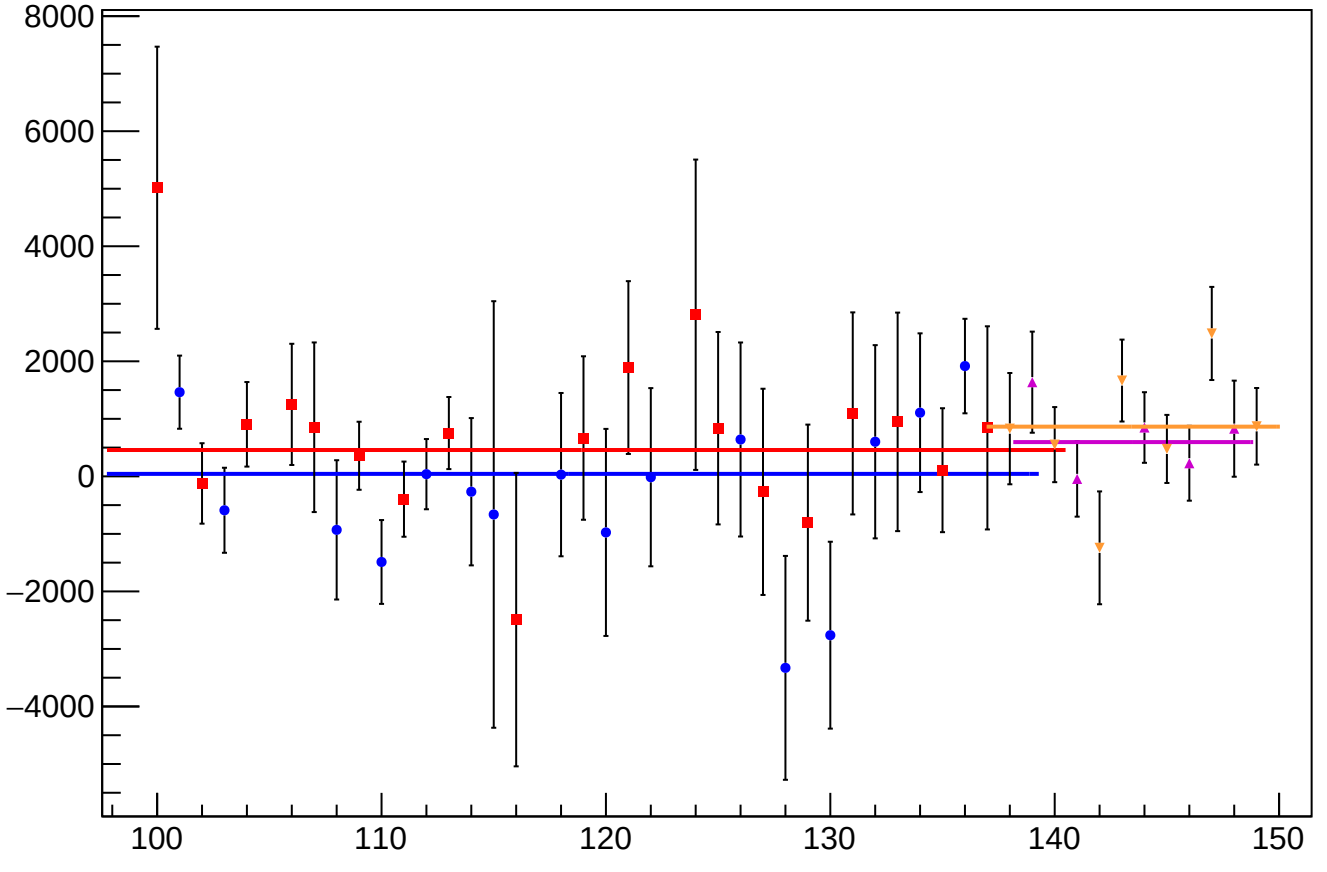
Left In: 661.300+/-0.227 χ^2/NDF:130308.2/4

+ sign 643.386+/-0.134 χ^2/NDF: 2111379.2/22

All: 636.080+/-0.096 χ^2/NDF: 4354513.5/46

- 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: 864.124+/-276.644 χ^2/NDF:10.5/6

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

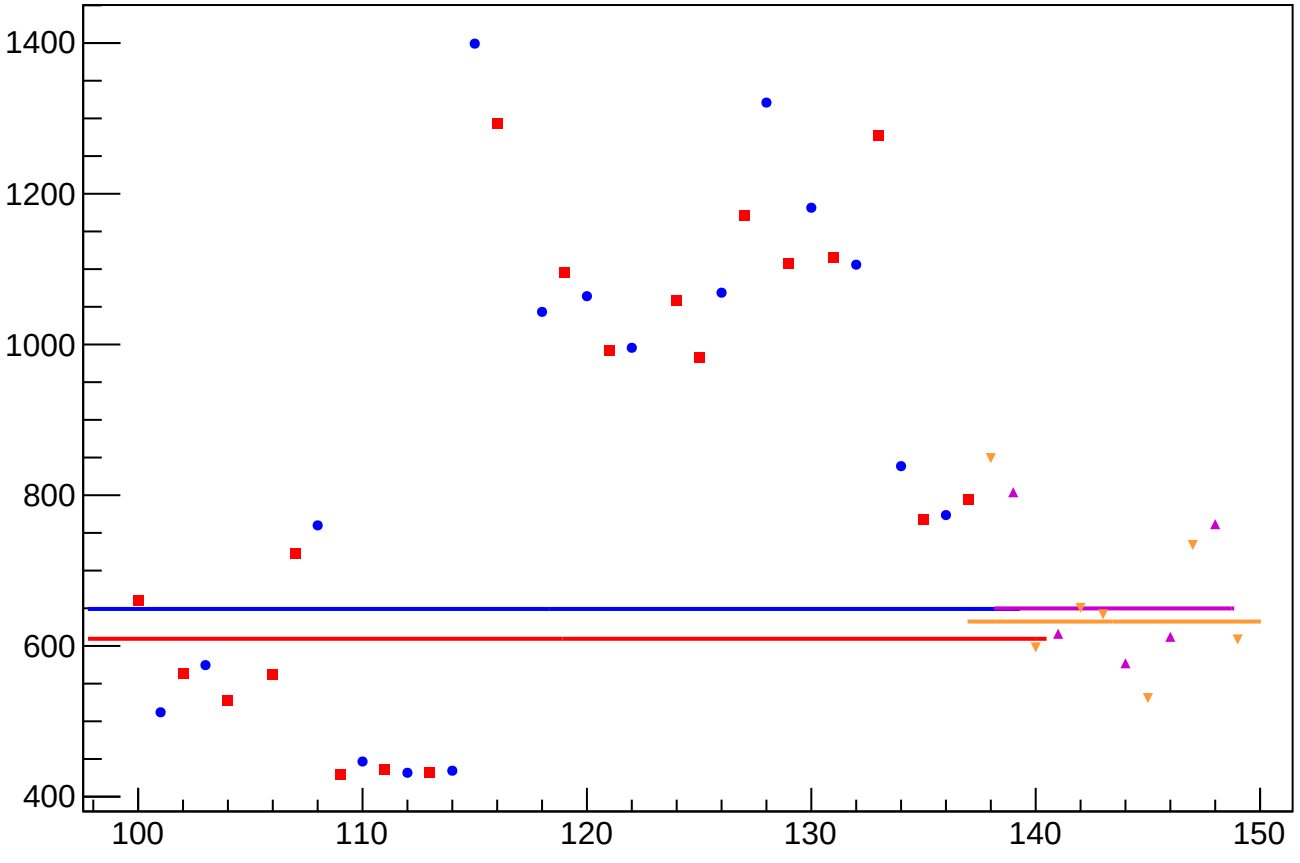
Left In: 595.742+/-315.164 χ^2/NDF:2.9/4

+ sign 427.880+/-189.380 χ^2/NDF: 38.4/22

All: 467.951+/-134.655 χ^2/NDF: 52.8/46

- 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: 632.369+/-0.196 χ^2/NDF:200117.4/6

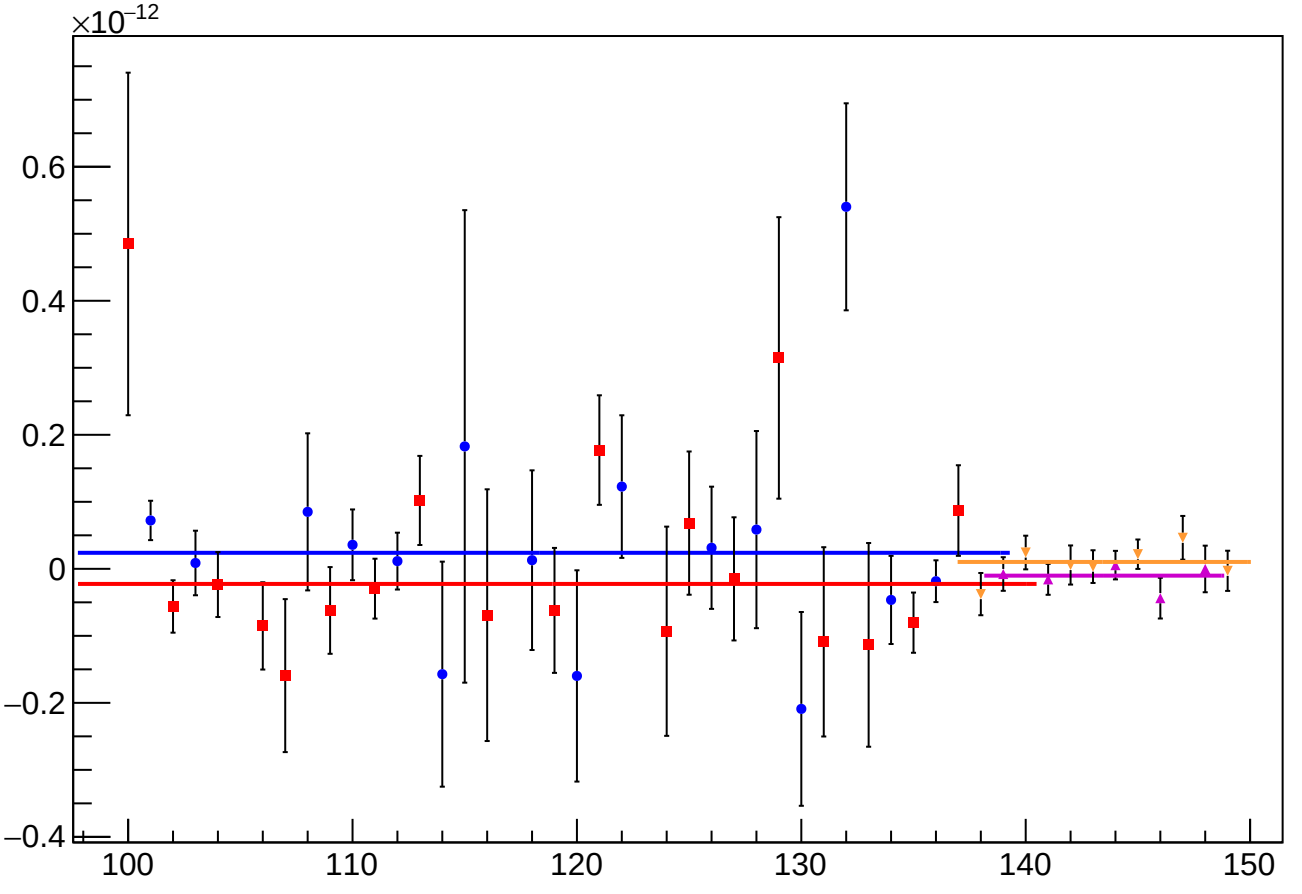
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 649.772+/-0.223 χ^2/NDF:137423.7/4

+ sign 641.255+/-0.134 χ^2/NDF: 2049815.7/22

All: 632.911+/-0.095 χ^2/NDF: 4259264.8/46

- 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:4.4/6

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

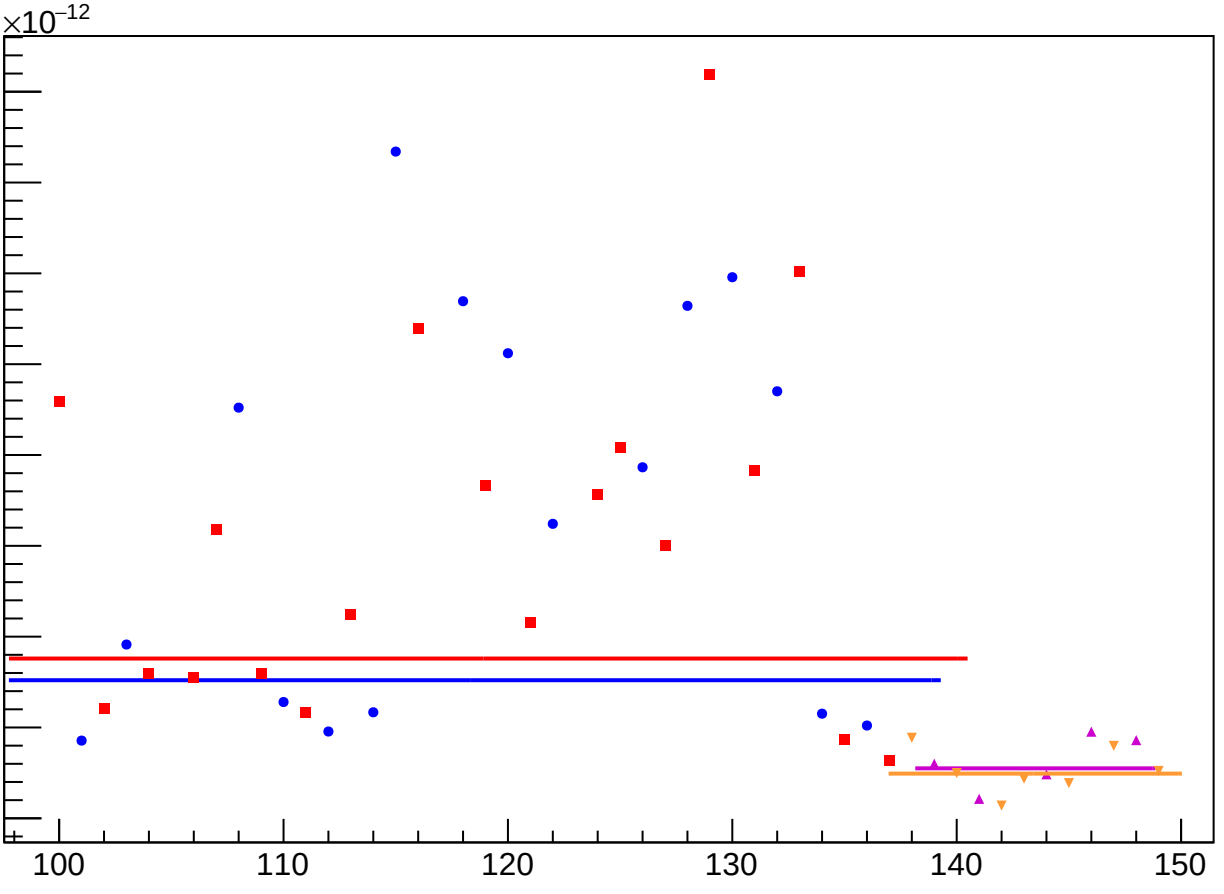
Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 28.6/22

All: 0.000+/-0.000 χ^2/NDF: 61.8/46

- sign -0.000+/-0.000 χ^2/NDF: 28.0/23

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:83813.2/6

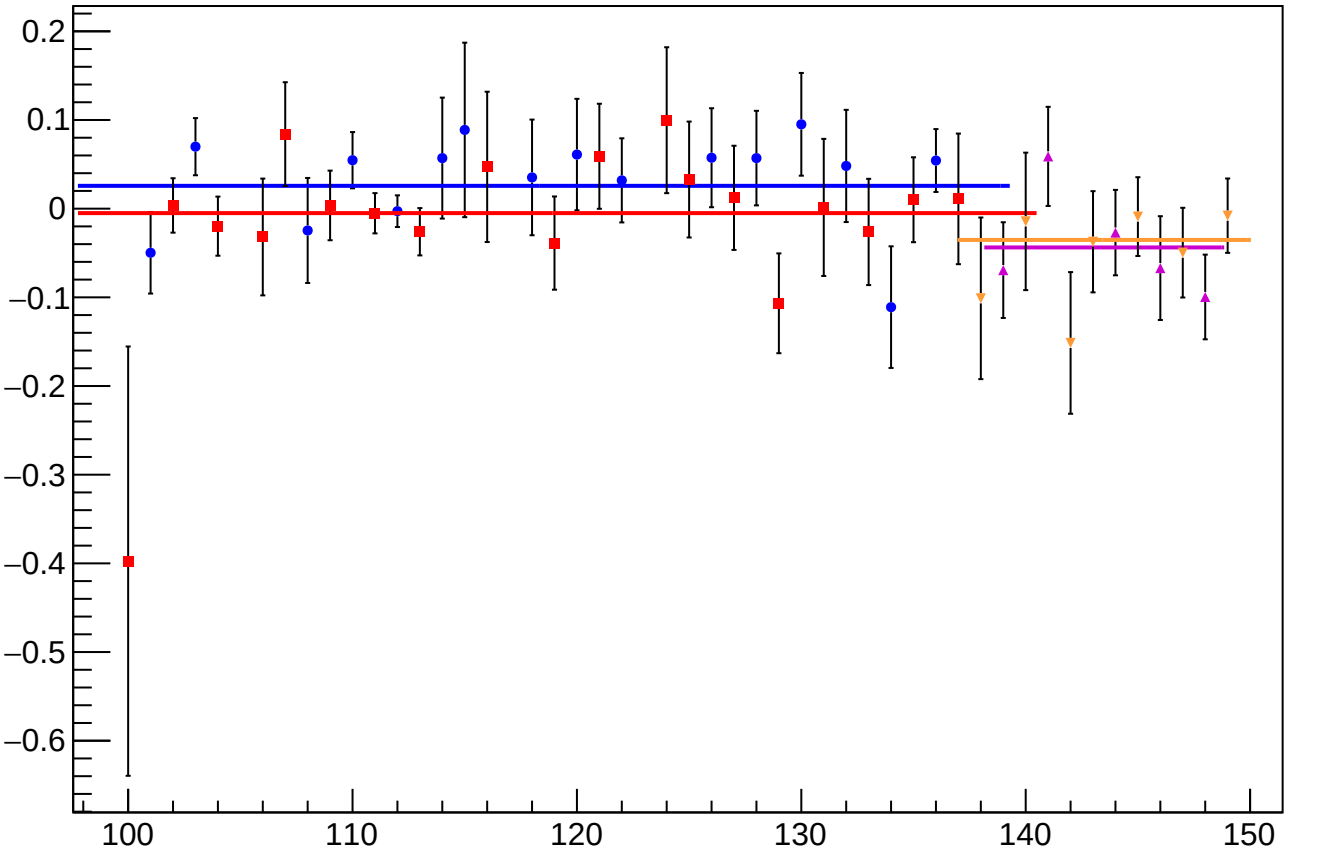
Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:96464.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 2025597.8/22

All: 0.000+/-0.000 χ^2/NDF: 3867073.5/46

- sign 0.000+/-0.000 χ^2/NDF: 1817850.1/23



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.035+/-0.021 χ^2/NDF:3.6/6

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

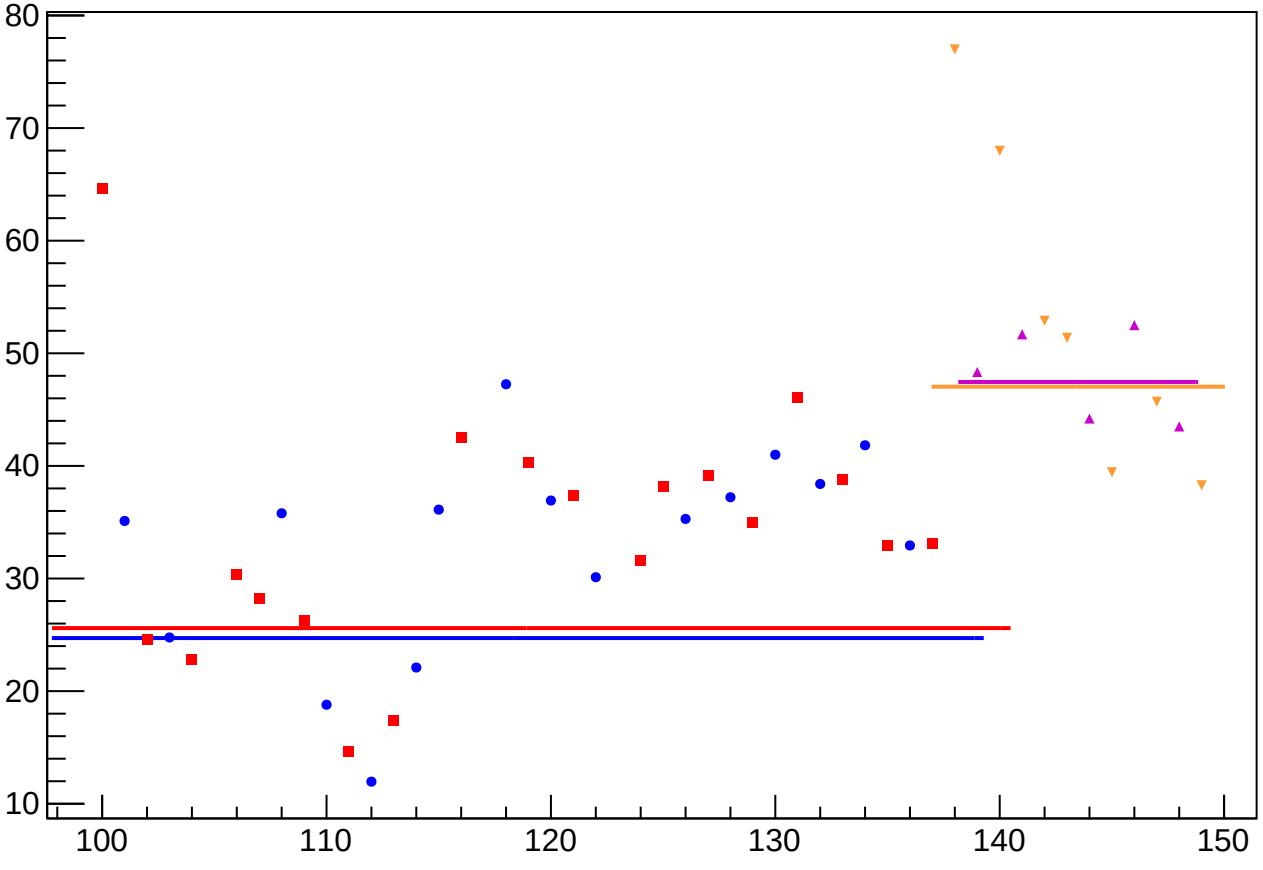
Left In: -0.044+/-0.023 χ^2/NDF:5.2/4

+ sign 0.014+/-0.009 χ^2/NDF: 26.7/22

All: 0.002+/-0.007 χ^2/NDF: 51.5/46

- 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: 47.032+/-0.015 χ^2/NDF:531441.9/6

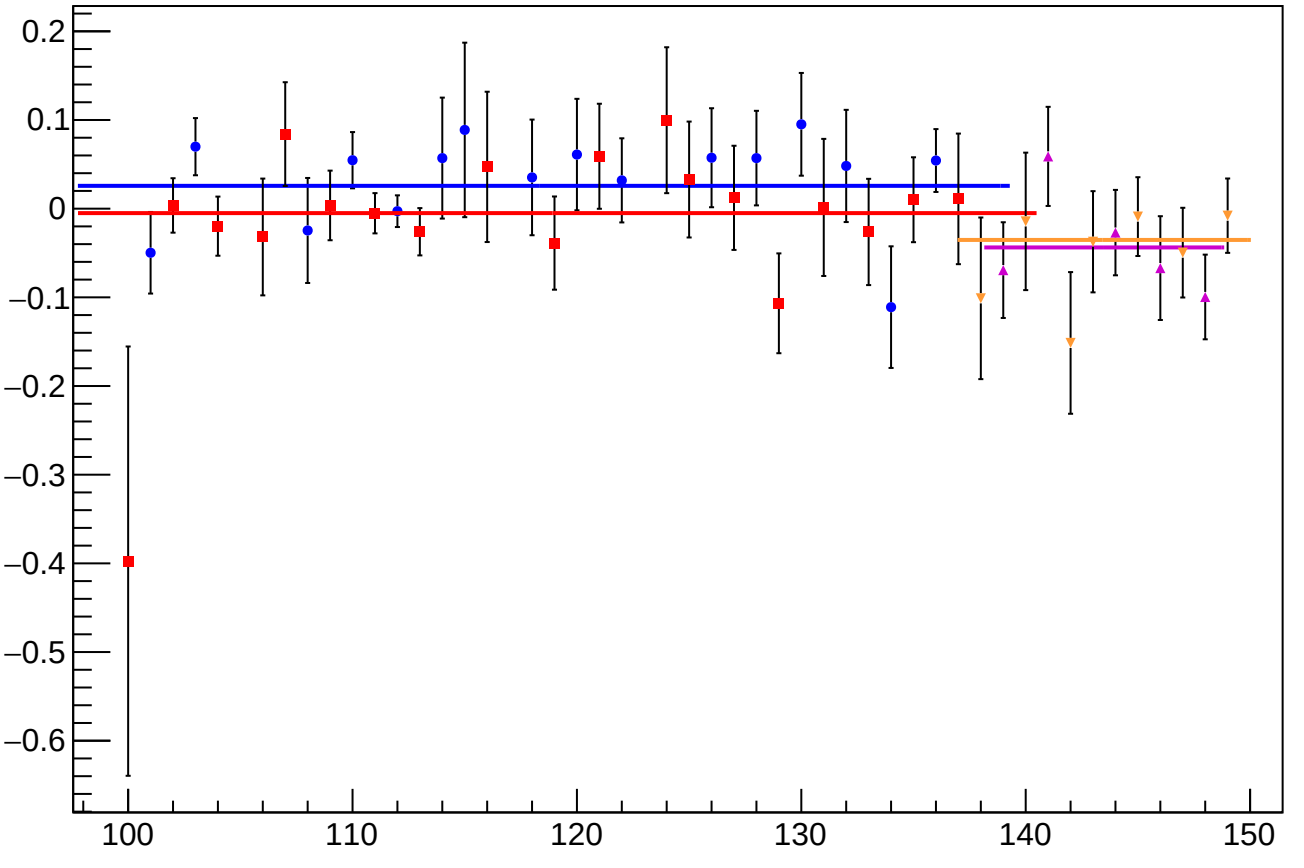
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 47.454+/-0.017 χ^2/NDF:49666.6/4

+ sign 29.000+/-0.007 χ^2/NDF: 4611045.9/22

All: 29.084+/-0.005 χ^2/NDF: 7725168.0/46

- 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: -0.035+/-0.021 χ^2/NDF:3.6/6

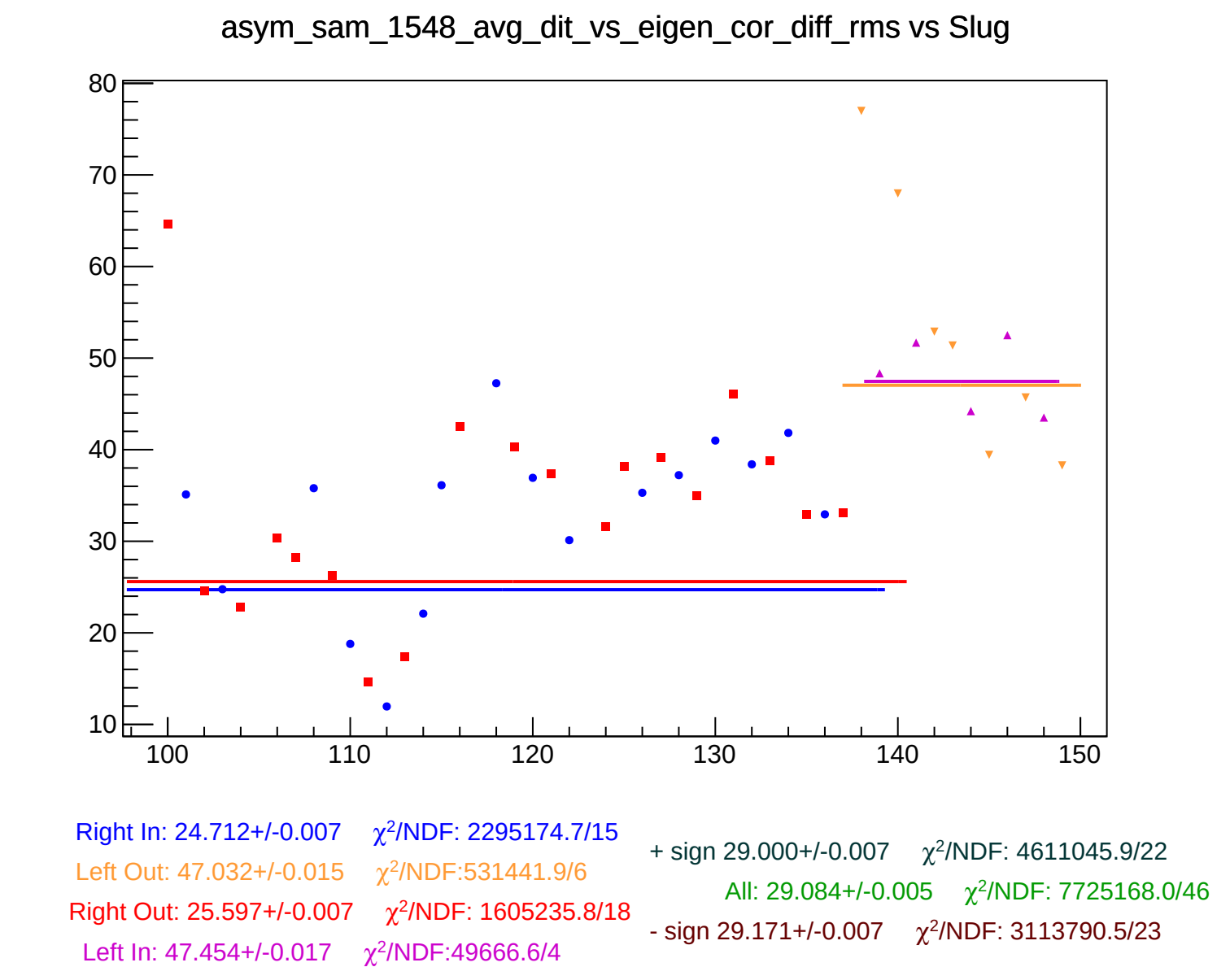
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

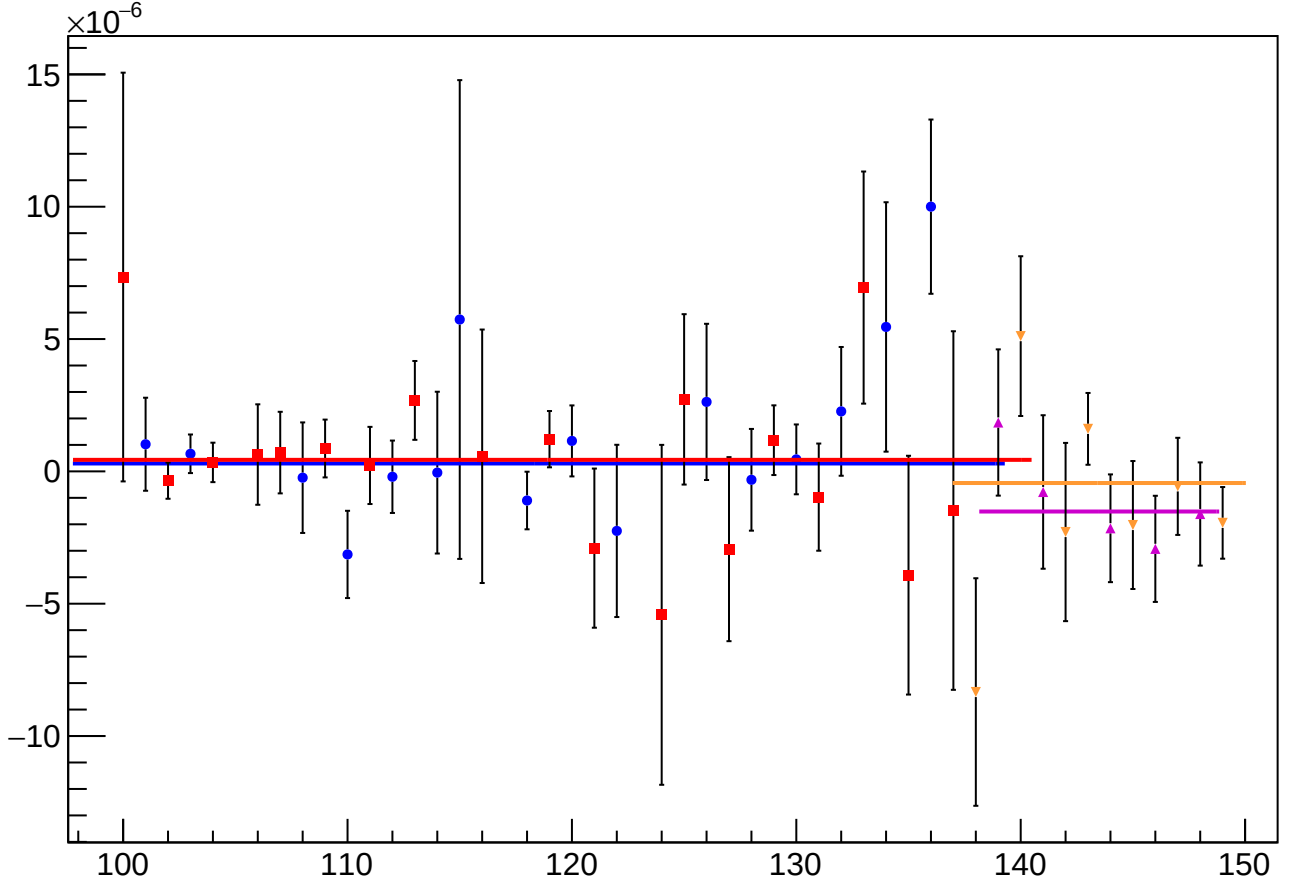
Left In: -0.044+/-0.023 χ^2/NDF:5.2/4

\+ sign 0.014+/-0.009 χ^2/NDF: 26.7/22

All: 0.002+/-0.007 χ^2/NDF: 51.5/46

\- 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: 47.032+/-0.015 χ²/NDF:531441.9/6
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 47.454+/-0.017 χ²/NDF:49666.6/4
+ sign 29.000+/-0.007 χ²/NDF: 4611045.9/22
All: 29.084+/-0.005 χ²/NDF: 7725168.0/46
- 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:11.0/6

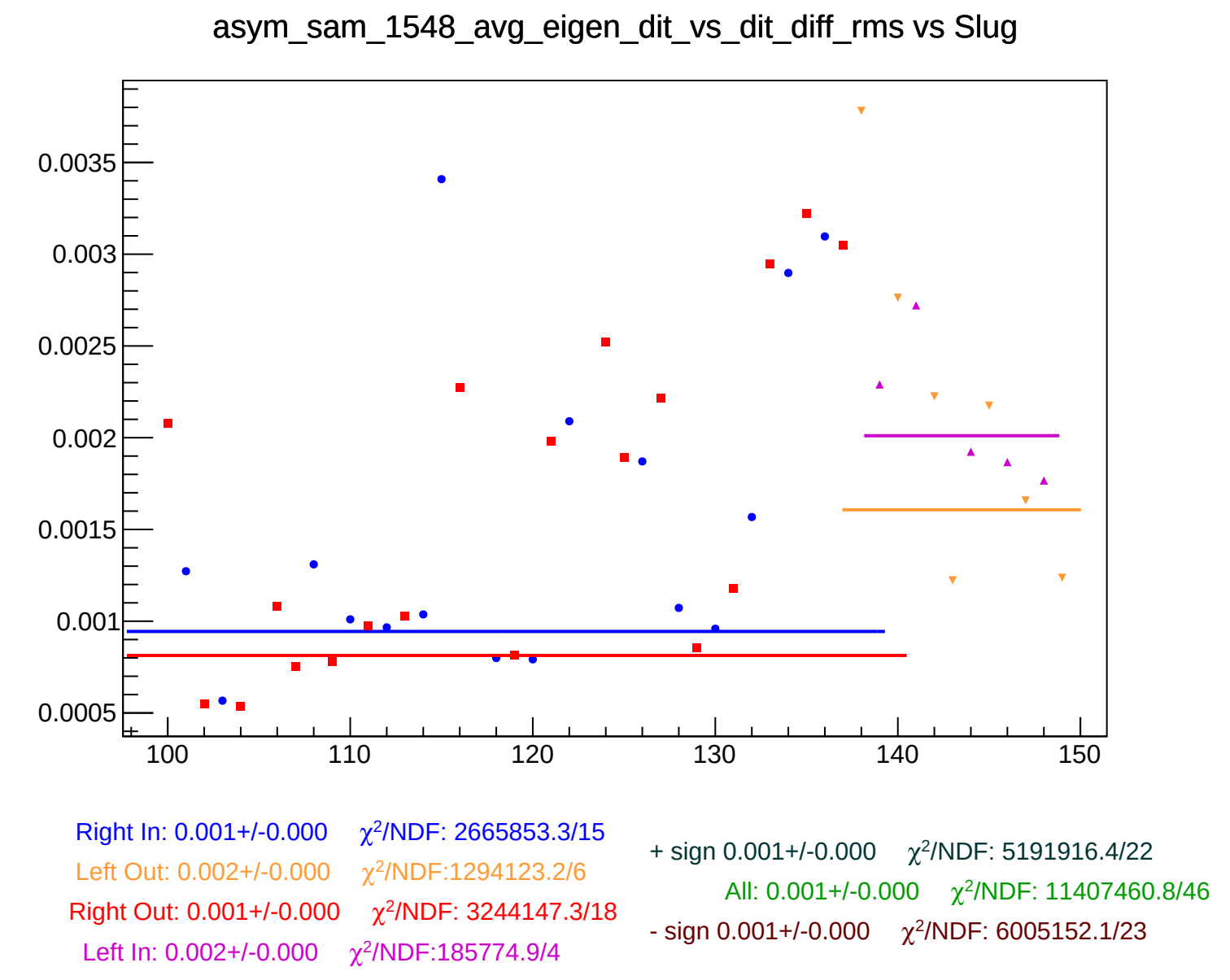
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

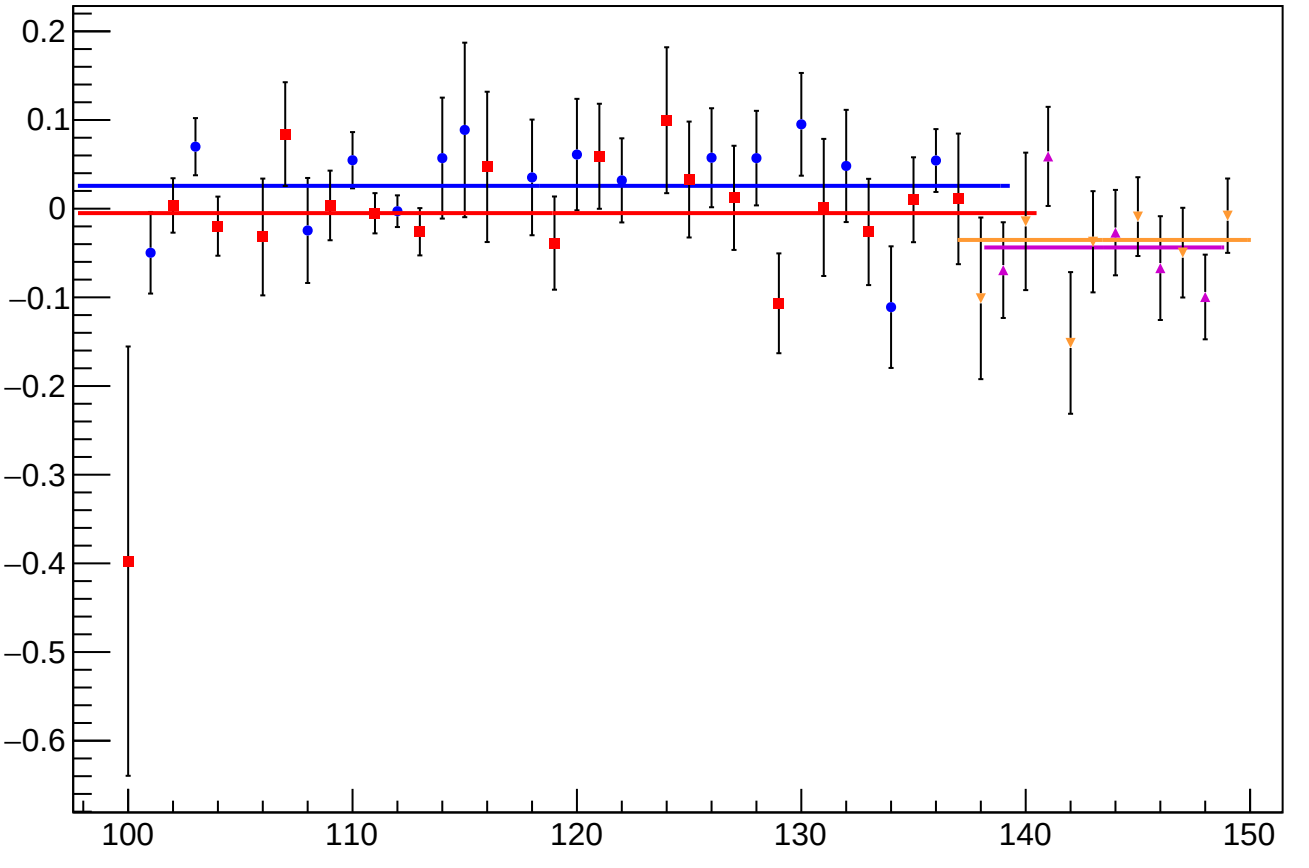
Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 31.1/22

All: 0.000+/-0.000 χ^2/NDF: 49.4/46

- 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:1294123.2/6
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: 5191916.4/22
All: 0.001+/-0.000 χ²/NDF: 11407460.8/46
- sign 0.001+/-0.000 χ²/NDF: 6005152.1/23



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.035+/-0.021 χ^2/NDF:3.6/6

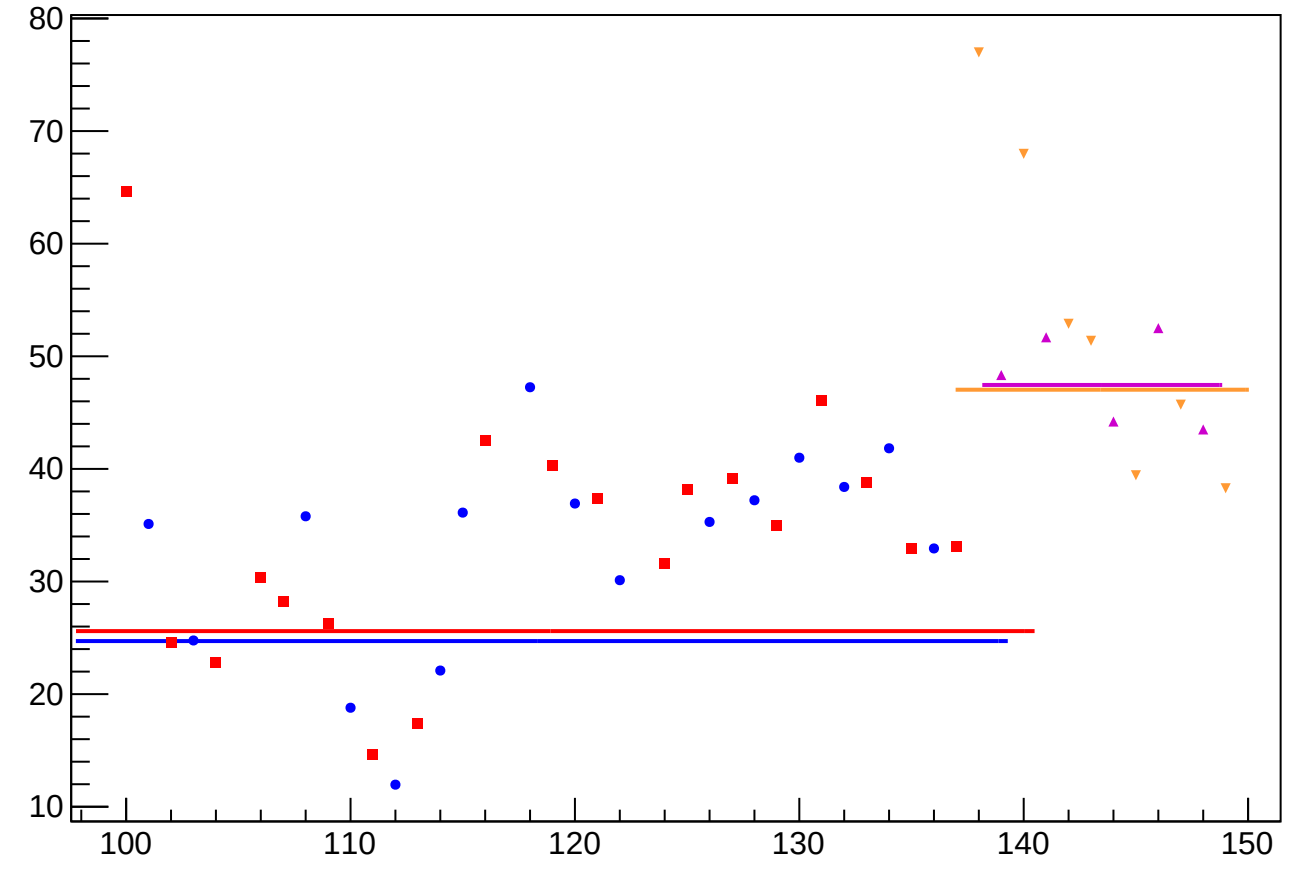
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.044+/-0.023 χ^2/NDF:5.2/4

+ sign 0.014+/-0.009 χ^2/NDF: 26.7/22

All: 0.002+/-0.007 χ^2/NDF: 51.5/46

- sign -0.011+/-0.009 χ^2/NDF: 21.1/23



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 47.033+/-0.015 χ^2/NDF:531424.6/6

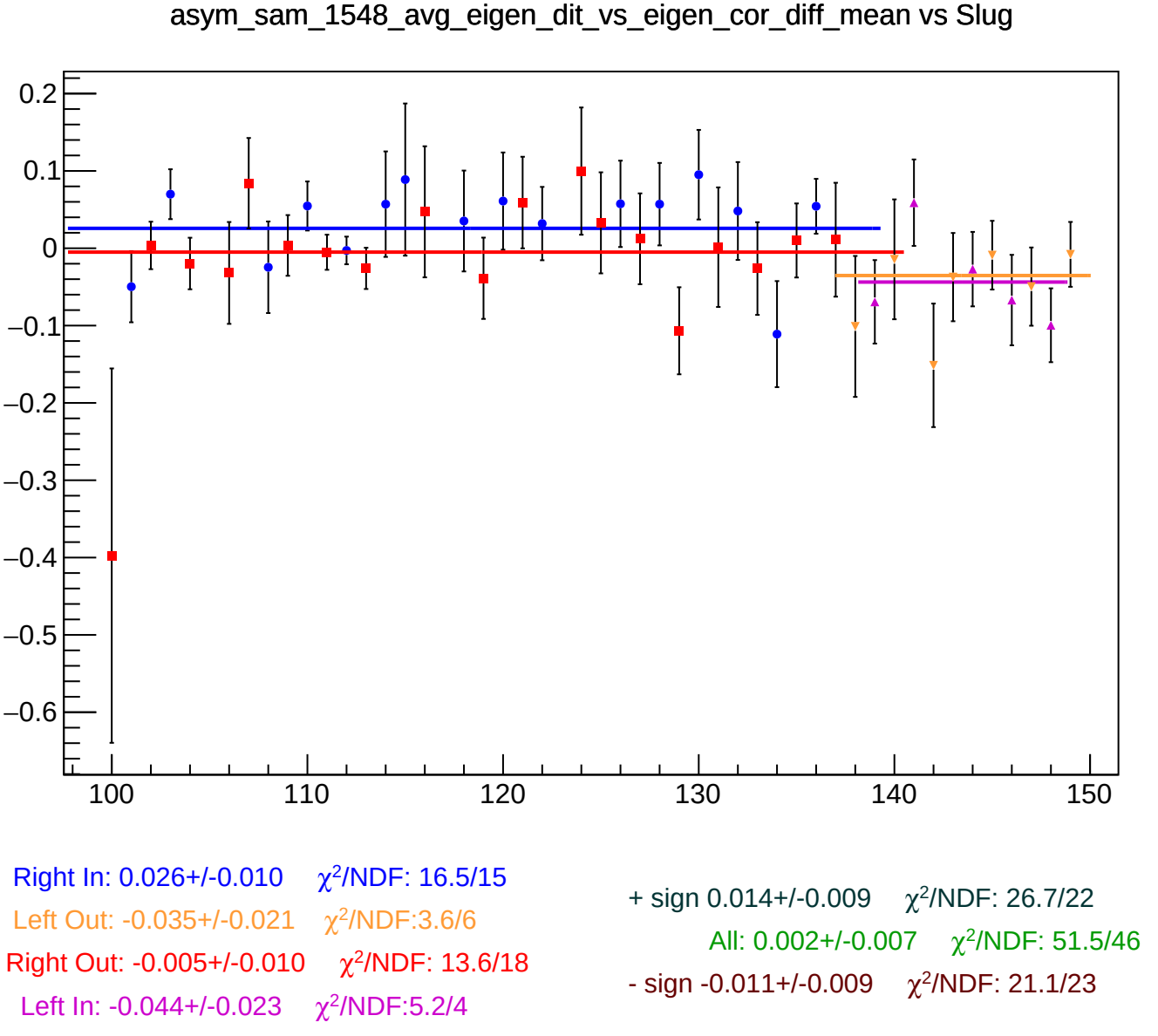
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

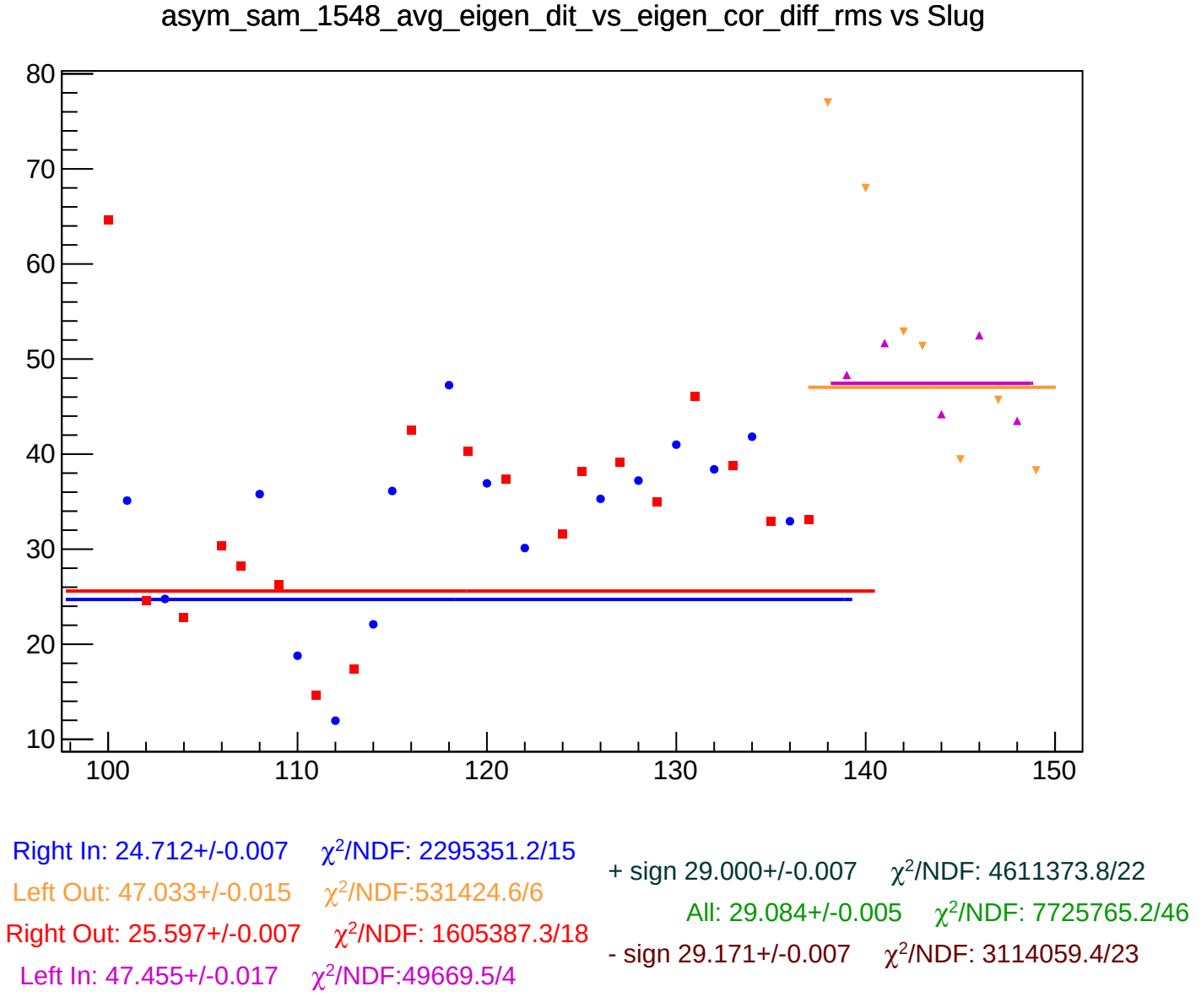
Left In: 47.455+/-0.017 χ^2/NDF:49669.5/4

+ sign 29.000+/-0.007 χ^2/NDF: 4611373.8/22

All: 29.084+/-0.005 χ^2/NDF: 7725765.2/46

- sign 29.171+/-0.007 χ^2/NDF: 3114059.4/23


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
110
120
130
140
150
Right In: 0.026+/-0.010 χ²/NDF: 16.5/15
Left Out: -0.035+/-0.021 χ²/NDF:3.6/6
Right Out: -0.005+/-0.010 χ²/NDF: 13.6/18
Left In: -0.044+/-0.023 χ²/NDF:5.2/4
+ sign 0.014+/-0.009 χ²/NDF: 26.7/22
All: 0.002+/-0.007 χ²/NDF: 51.5/46
- sign -0.011+/-0.009 χ²/NDF: 21.1/23


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
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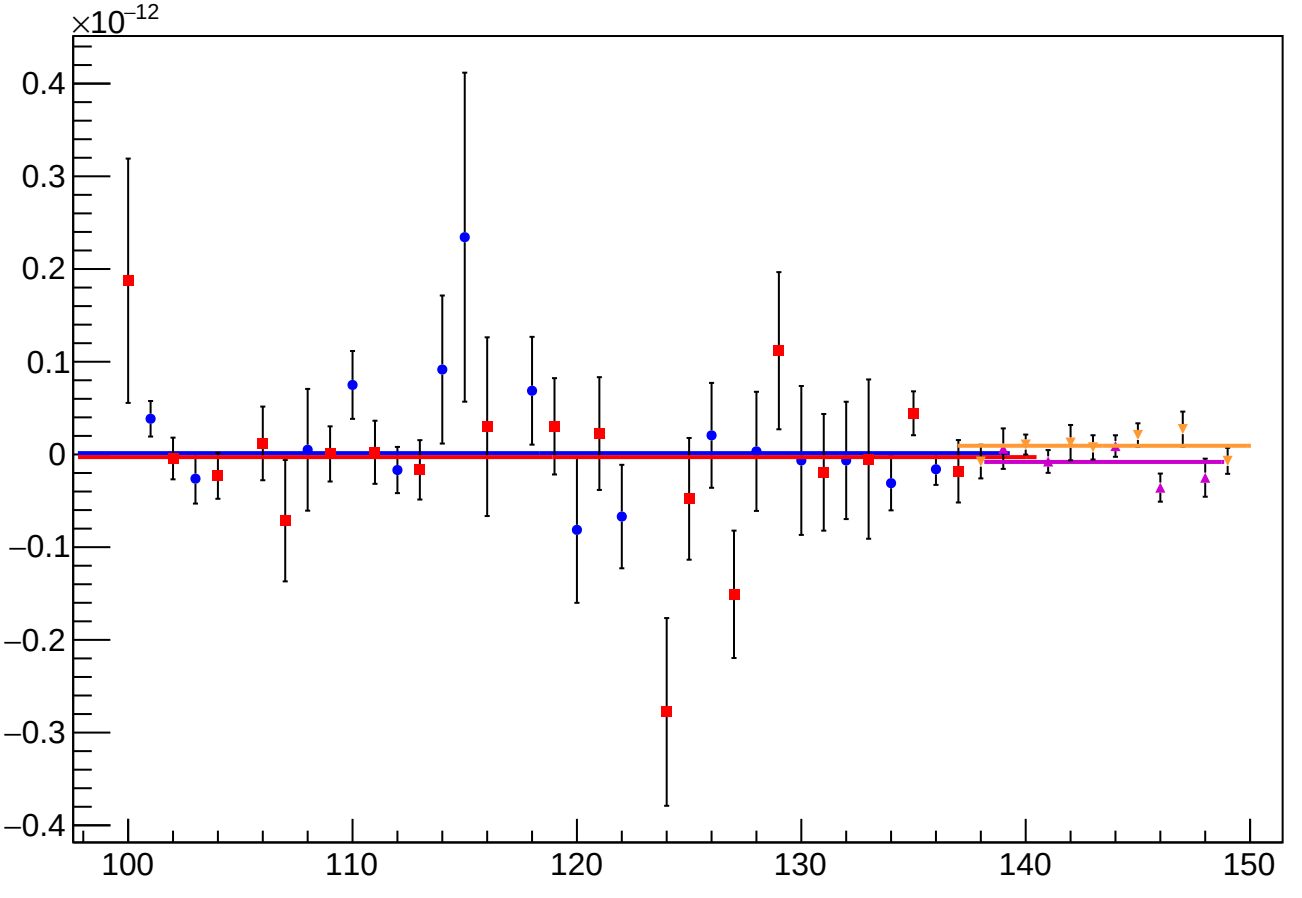
140
150
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 47.033+/-0.015 χ²/NDF:531424.6/6
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 47.455+/-0.017 χ²/NDF:49669.5/4
+ sign 29.000+/-0.007 χ²/NDF: 4611373.8/22
All: 29.084+/-0.005 χ²/NDF: 7725765.2/46
- sign 29.171+/-0.007 χ²/NDF: 3114059.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.1/6

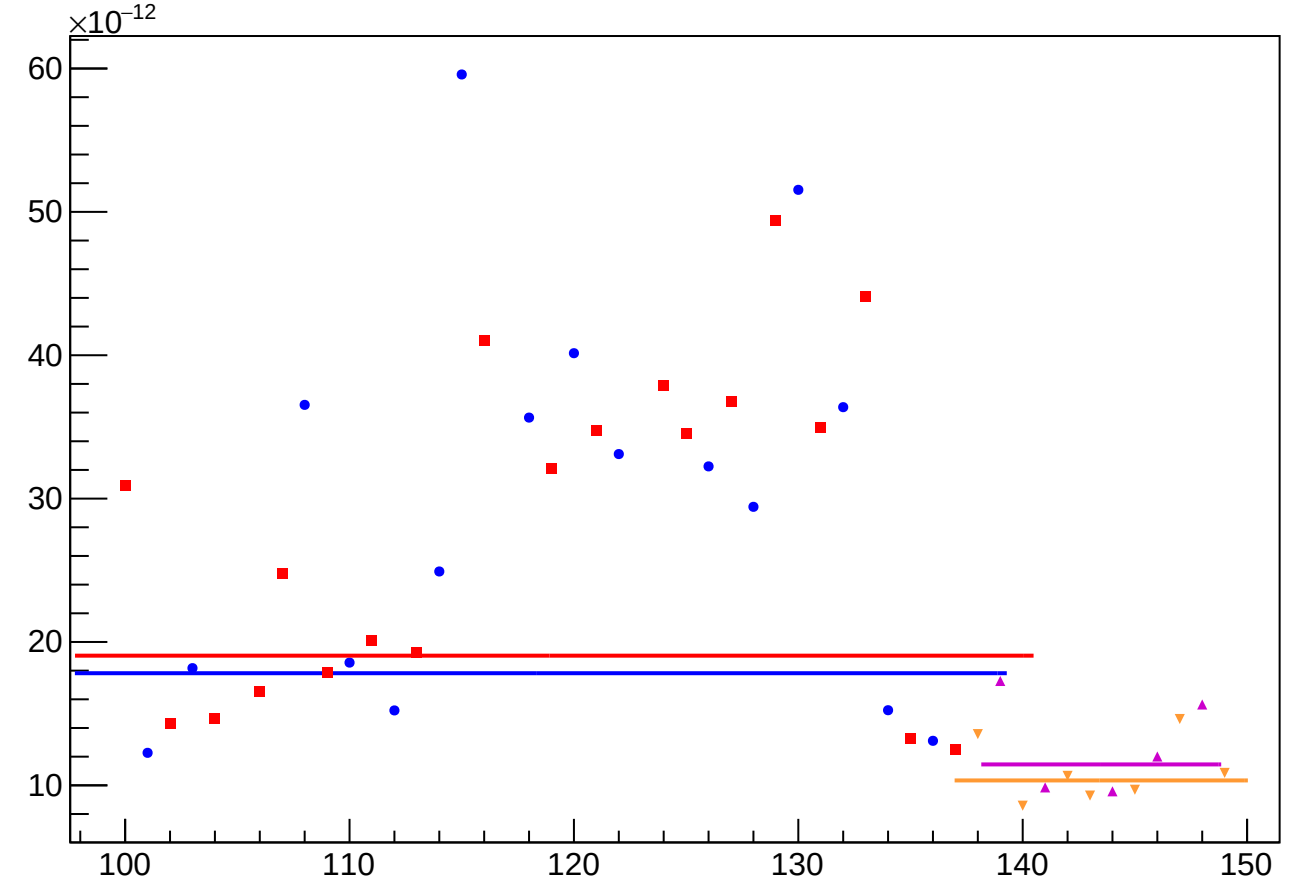
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 23.4/22

All: 0.000+/-0.000 χ^2/NDF: 57.4/46

- sign -0.000+/-0.000 χ^2/NDF: 30.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:241366.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

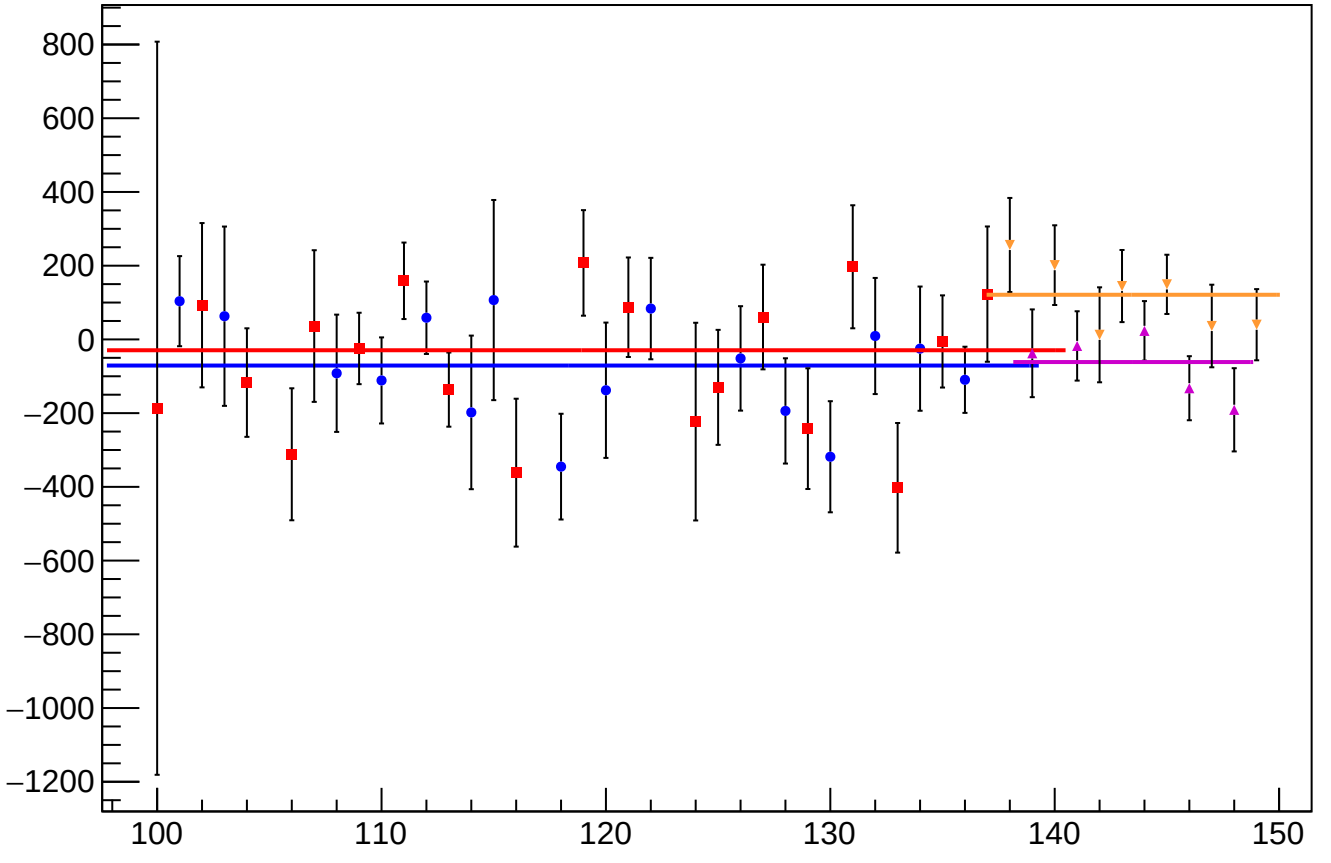
Left In: 0.000+/-0.000 χ^2/NDF:314035.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 3183728.0/22

All: 0.000+/-0.000 χ^2/NDF: 6131908.9/46

- sign 0.000+/-0.000 χ^2/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: 121.114+/-39.115 χ^2/NDF:3.8/6

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

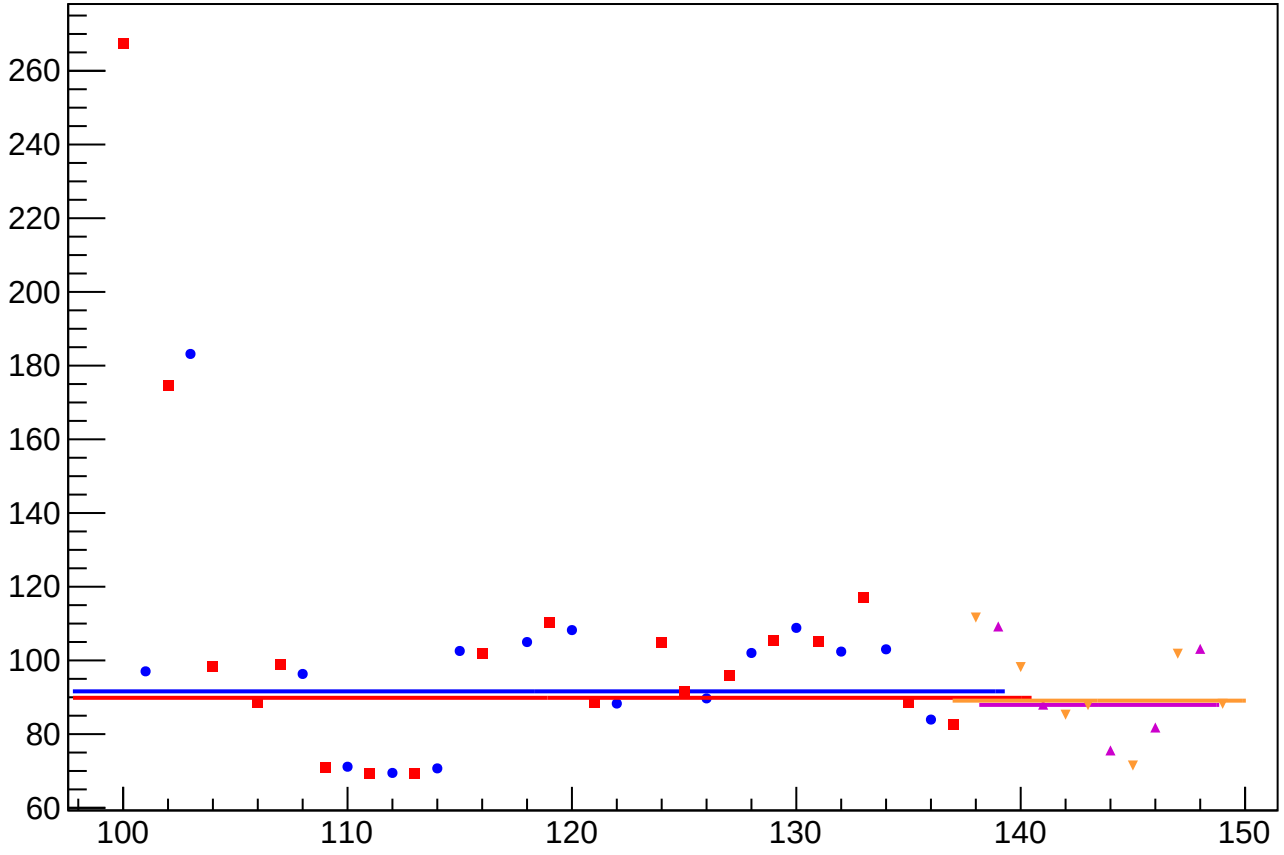
Left In: -61.397+/-42.729 χ^2/NDF:3.3/4

+ sign 14.813+/-26.133 χ^2/NDF: 31.2/22

All: -12.922+/-18.683 χ^2/NDF: 61.2/46

- 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: 89.085+/-0.028 χ^2/NDF:200688.3/6

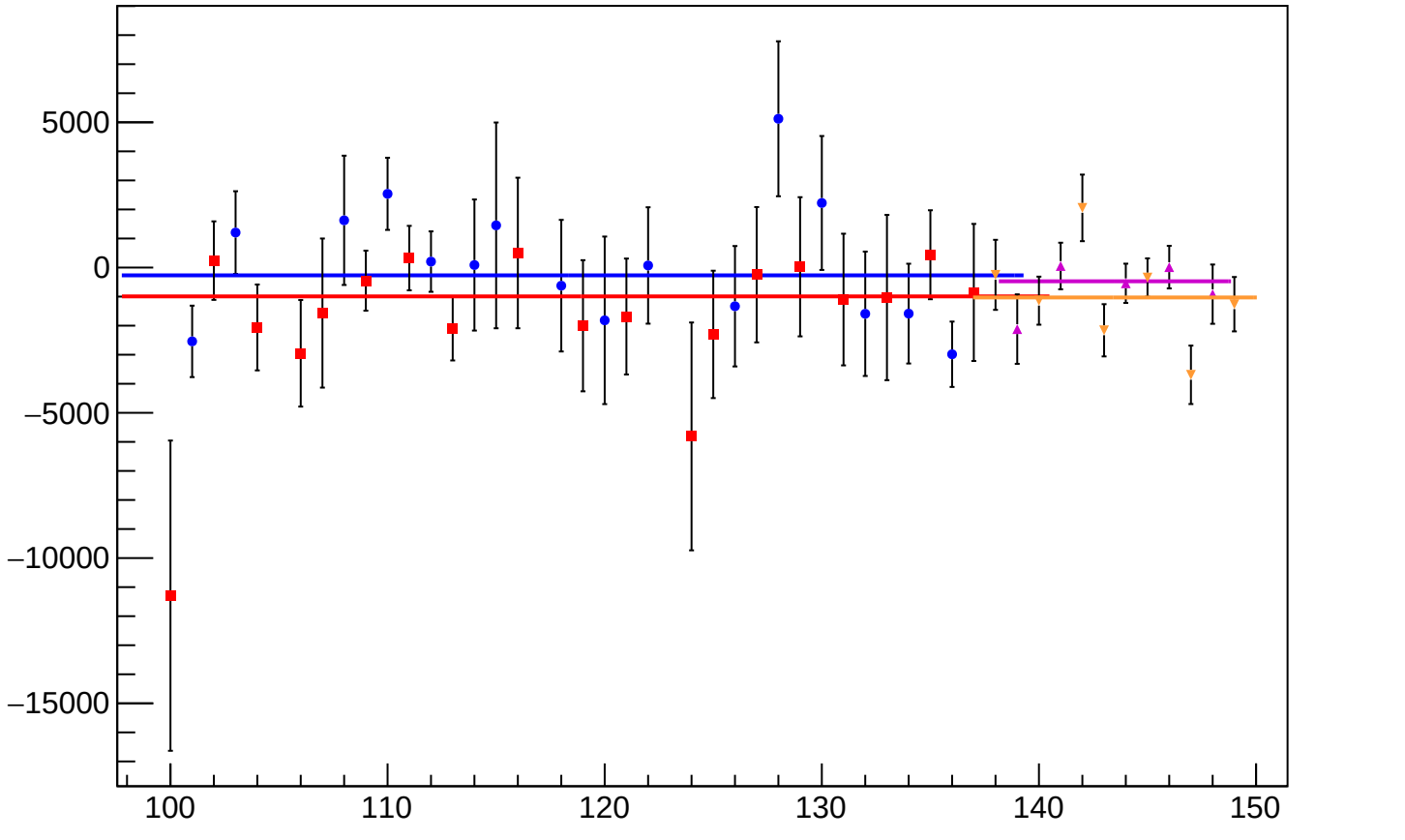
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 87.933+/-0.030 χ^2/NDF:156973.3/4

+ sign 90.482+/-0.018 χ^2/NDF: 785969.1/22

All: 89.808+/-0.013 χ^2/NDF: 1694414.5/46

- 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: -1029.544+/-341.469 χ^2/NDF:17.4/6

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

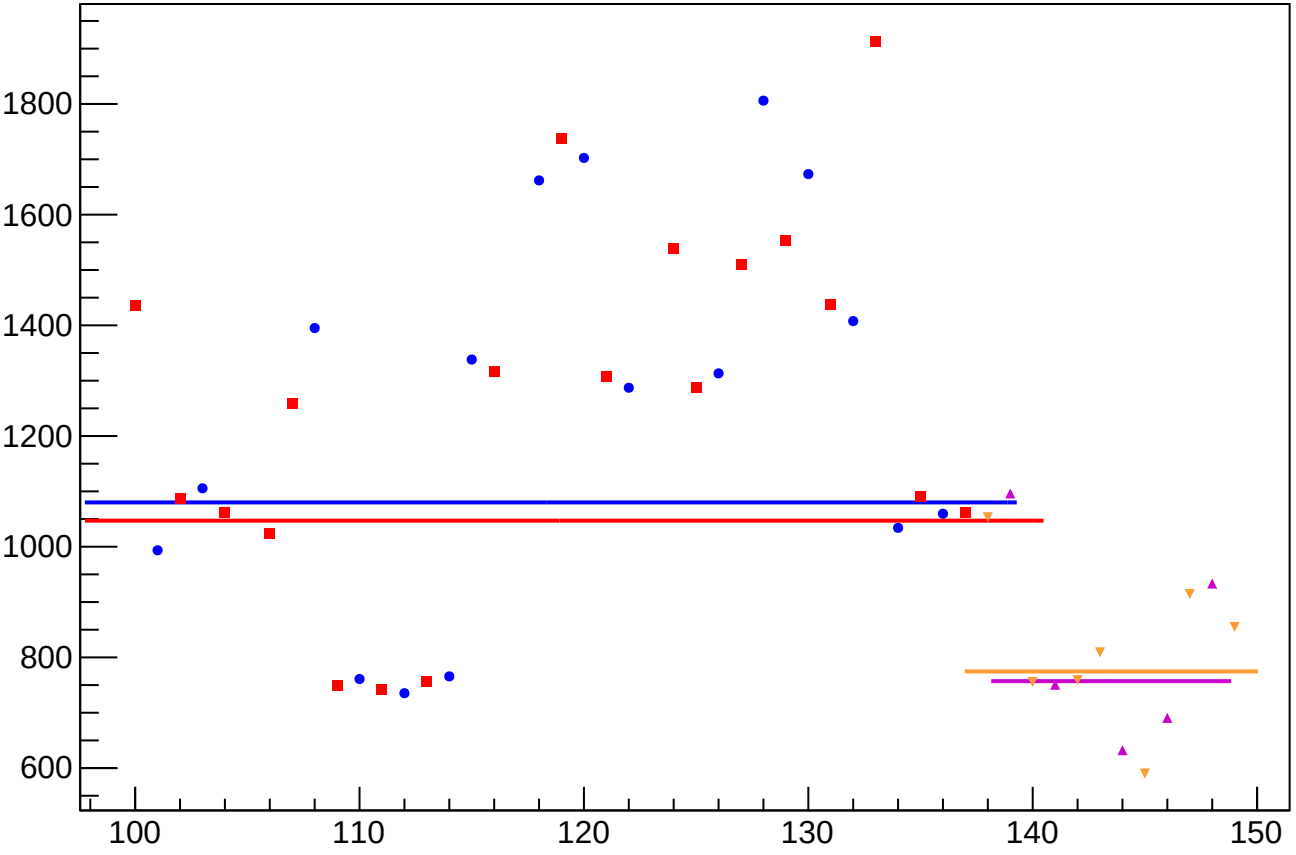
Left In: -472.829+/-370.883 χ^2/NDF:3.0/4

+ sign -726.310+/-264.845 χ^2/NDF: 42.8/22

All: -719.648+/-189.829 χ^2/NDF: 59.4/46

- 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: 774.665+/-0.241 χ^2/NDF:320667.0/6

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

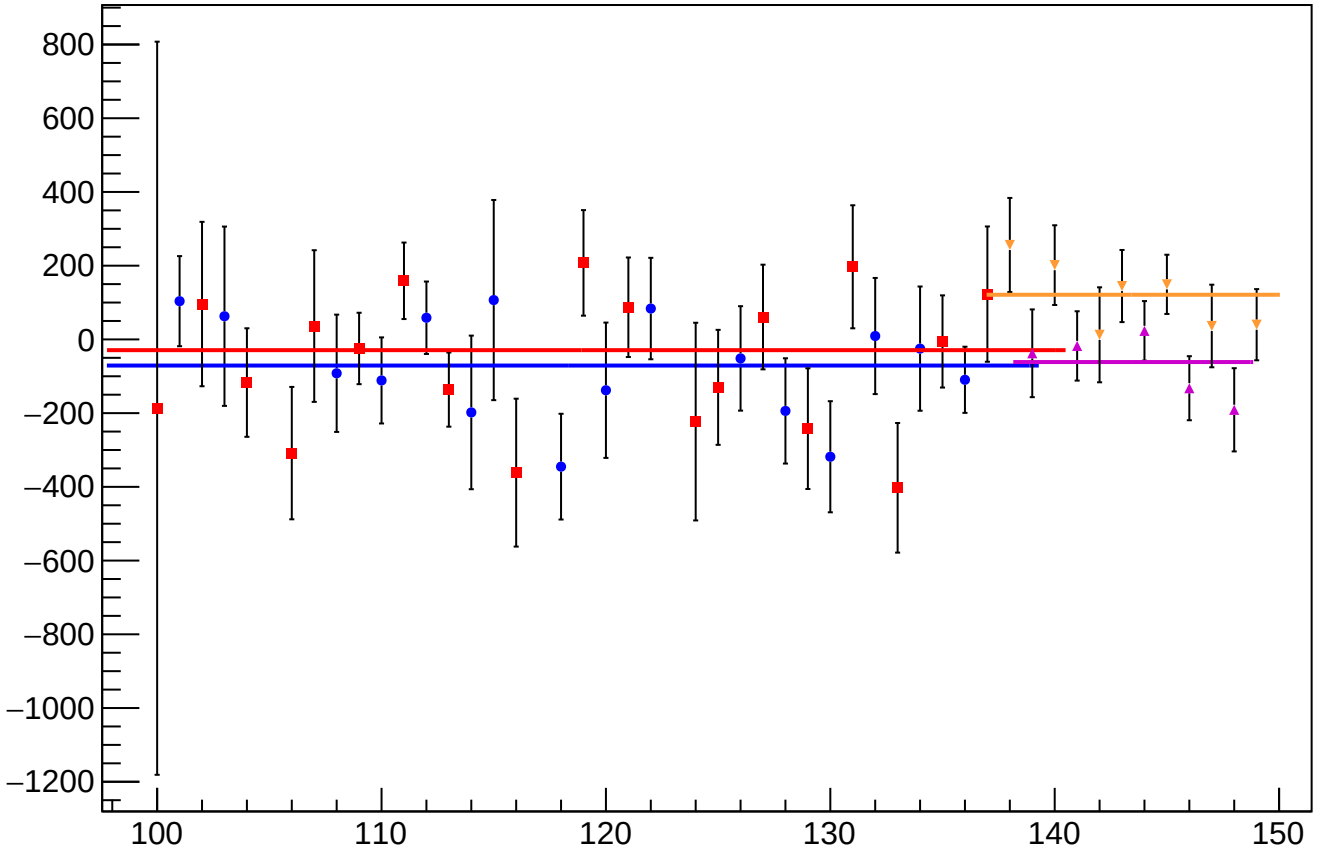
Left In: 757.082+/-0.262 χ^2/NDF:305285.6/4

+ sign 896.340+/-0.187 χ^2/NDF: 2011468.8/22

All: 893.666+/-0.134 χ^2/NDF: 4079787.8/46

- 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: 121.126+/-39.115 χ^2/NDF:3.8/6

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

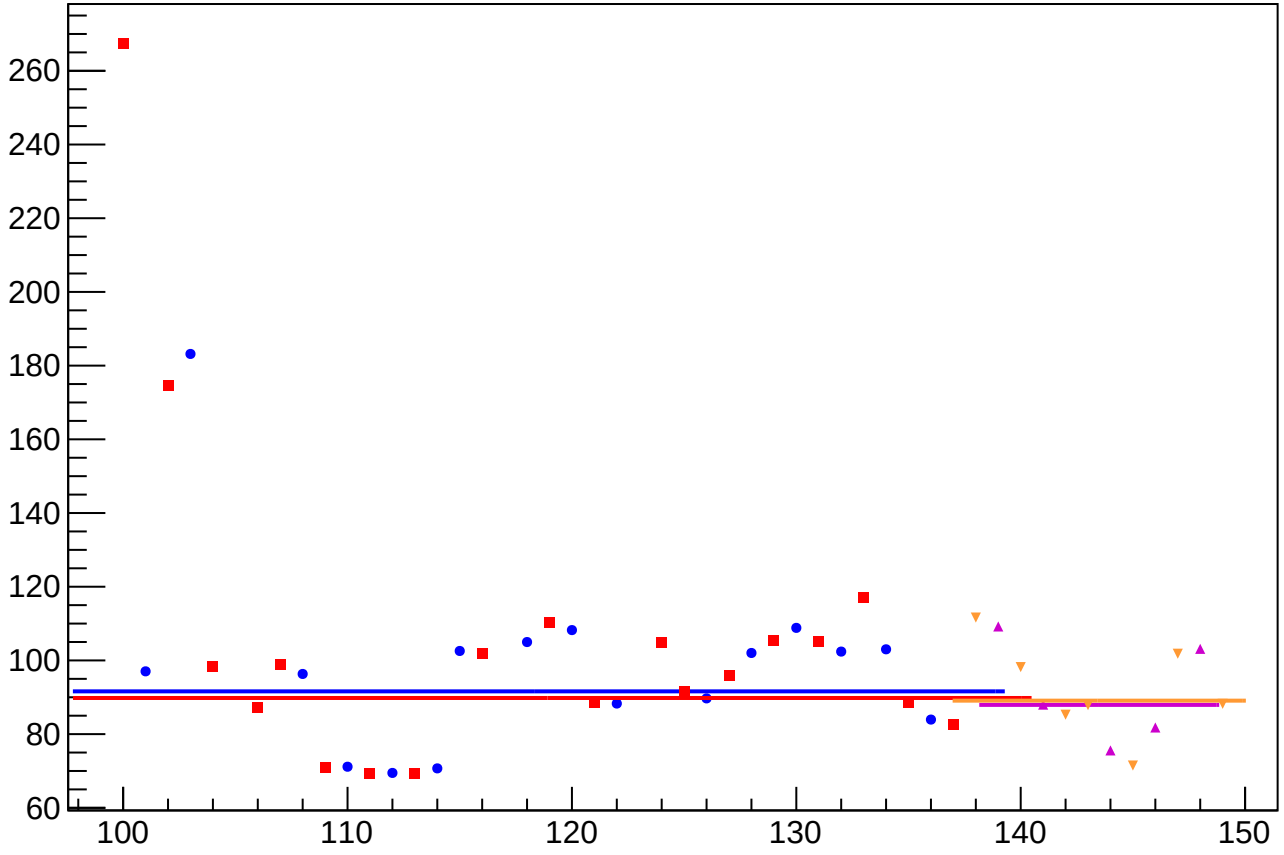
Left In: -61.402+/-42.729 χ^2/NDF:3.3/4

+ sign 14.812+/-26.133 χ^2/NDF: 31.2/22

All: -12.848+/-18.684 χ^2/NDF: 61.2/46

- 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: 89.085+/-0.028 χ^2/NDF:200688.3/6

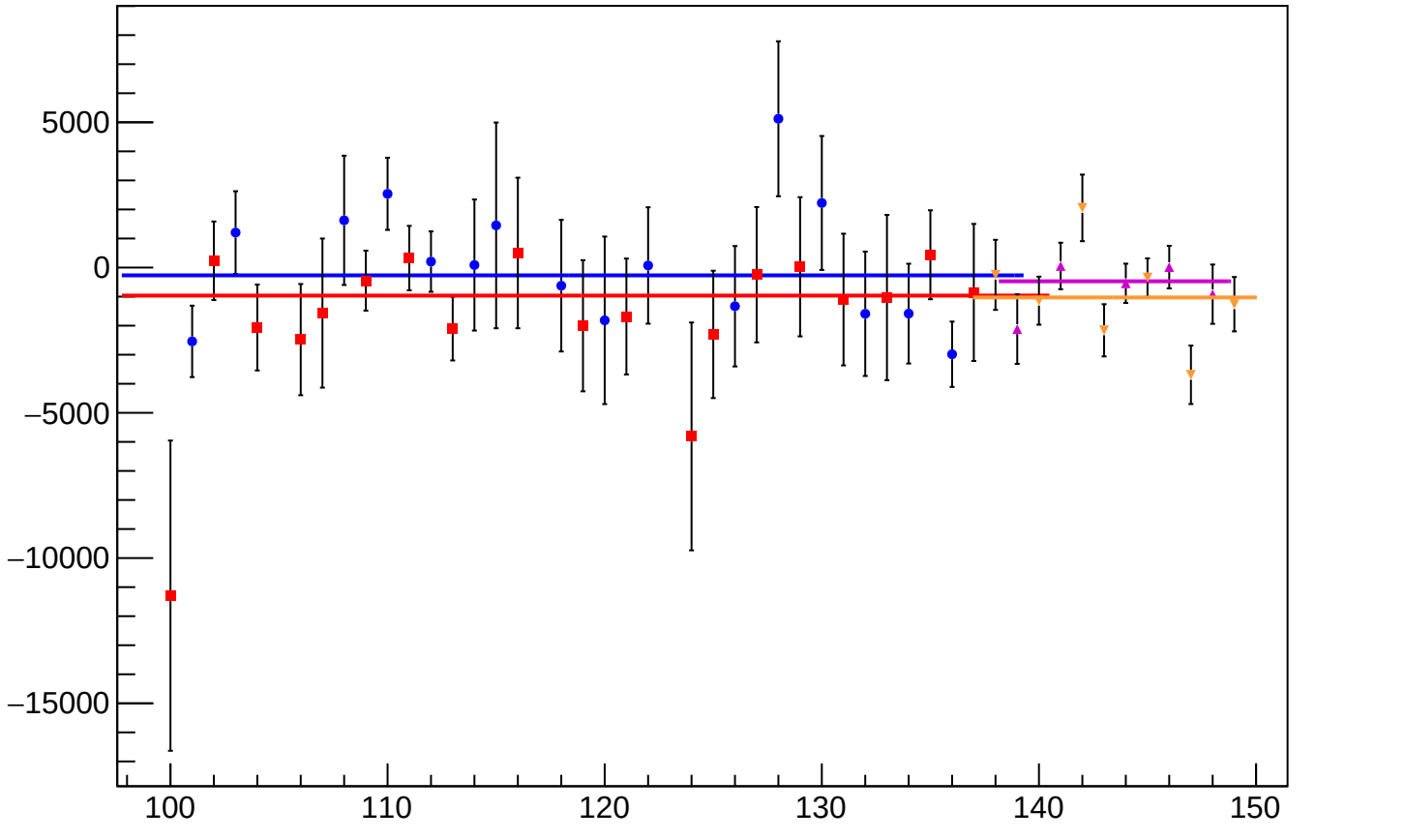
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 87.933+/-0.030 χ^2/NDF:156973.3/4

+ sign 90.482+/-0.018 χ^2/NDF: 785972.2/22

All: 89.794+/-0.013 χ^2/NDF: 1694957.1/46

- 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: -1029.534+/-341.469 χ^2/NDF:17.4/6

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

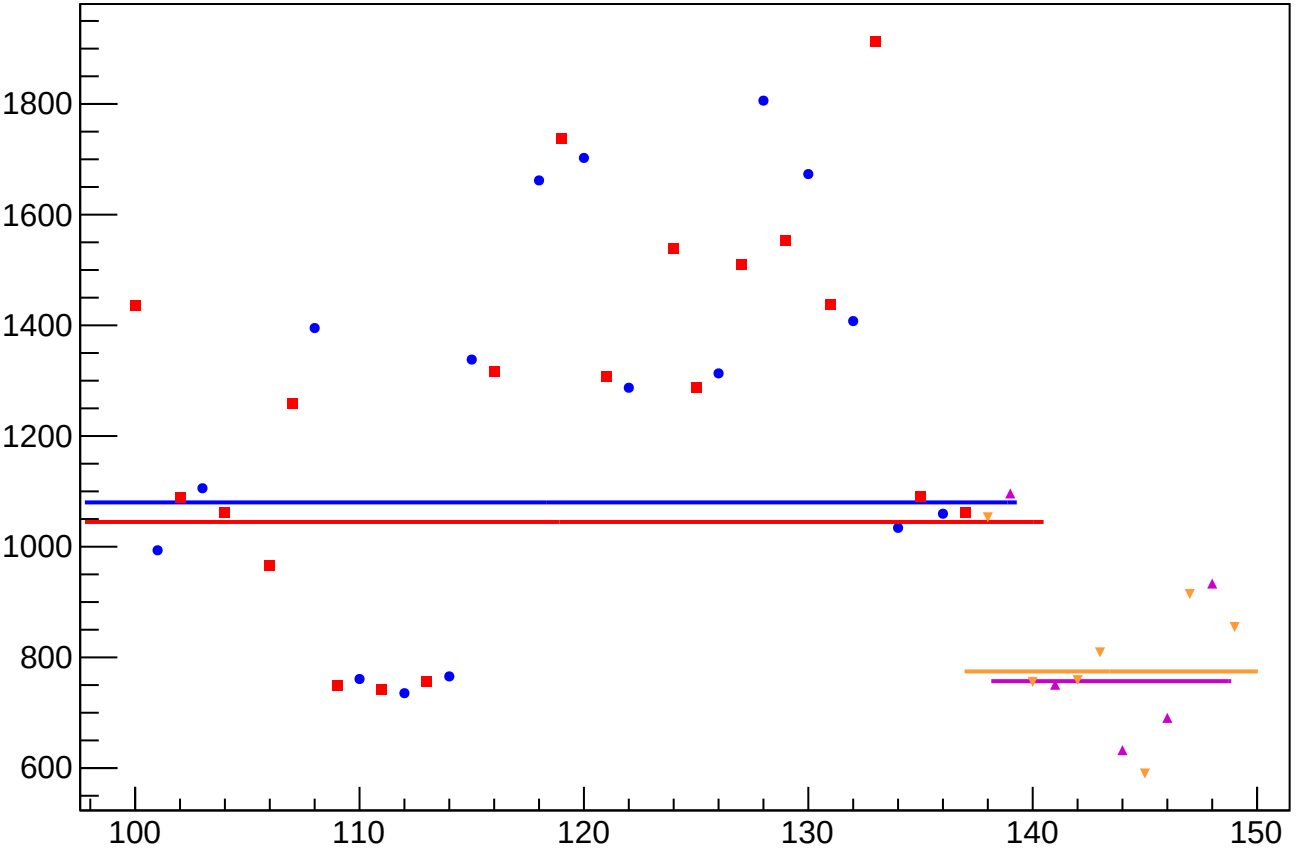
Left In: -472.838+/-370.883 χ^2/NDF:3.0/4

+ sign -726.315+/-264.846 χ^2/NDF: 42.8/22

All: -713.217+/-189.915 χ^2/NDF: 58.7/46

- 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: 774.665+/-0.241 χ^2/NDF:320668.0/6

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

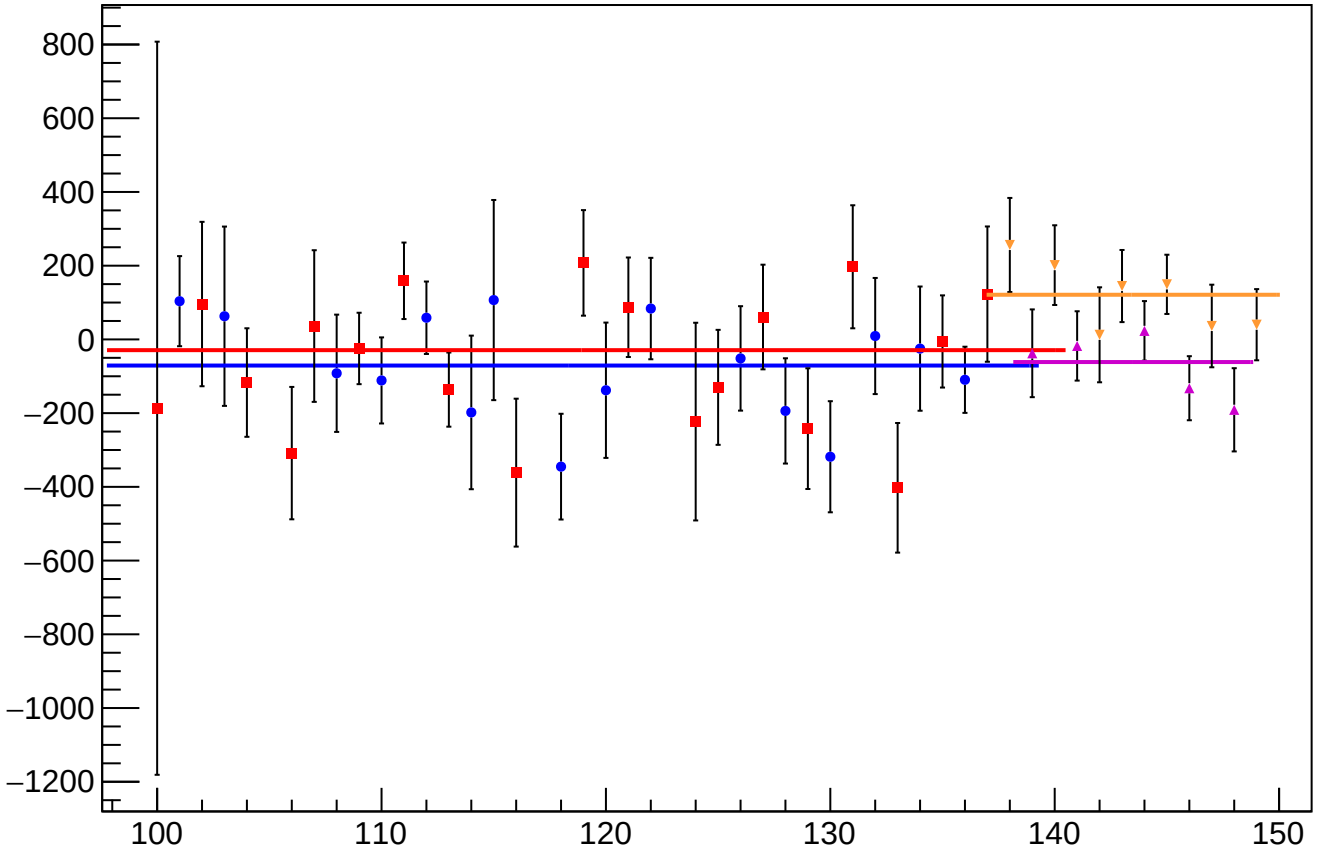
Left In: 757.082+/-0.262 χ^2/NDF:305284.8/4

+ sign 896.342+/-0.187 χ^2/NDF: 2011507.7/22

All: 893.003+/-0.134 χ^2/NDF: 4072927.2/46

- 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: 121.126+/-39.115 χ^2/NDF:3.8/6

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

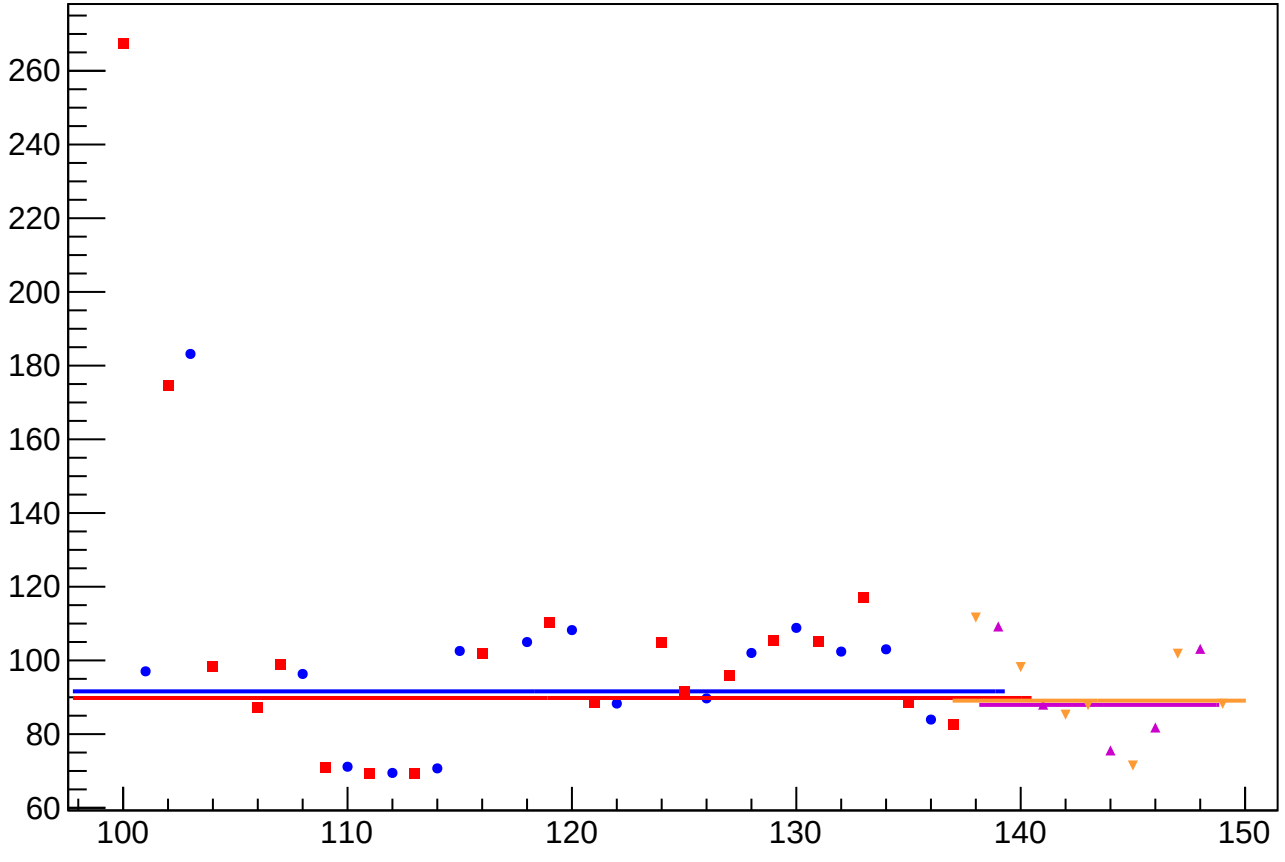
Left In: -61.402+/-42.729 χ^2/NDF:3.3/4

+ sign 14.812+/-26.133 χ^2/NDF: 31.2/22

All: -12.848+/-18.684 χ^2/NDF: 61.2/46

- 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: 89.085+/-0.028 χ^2/NDF:200688.3/6

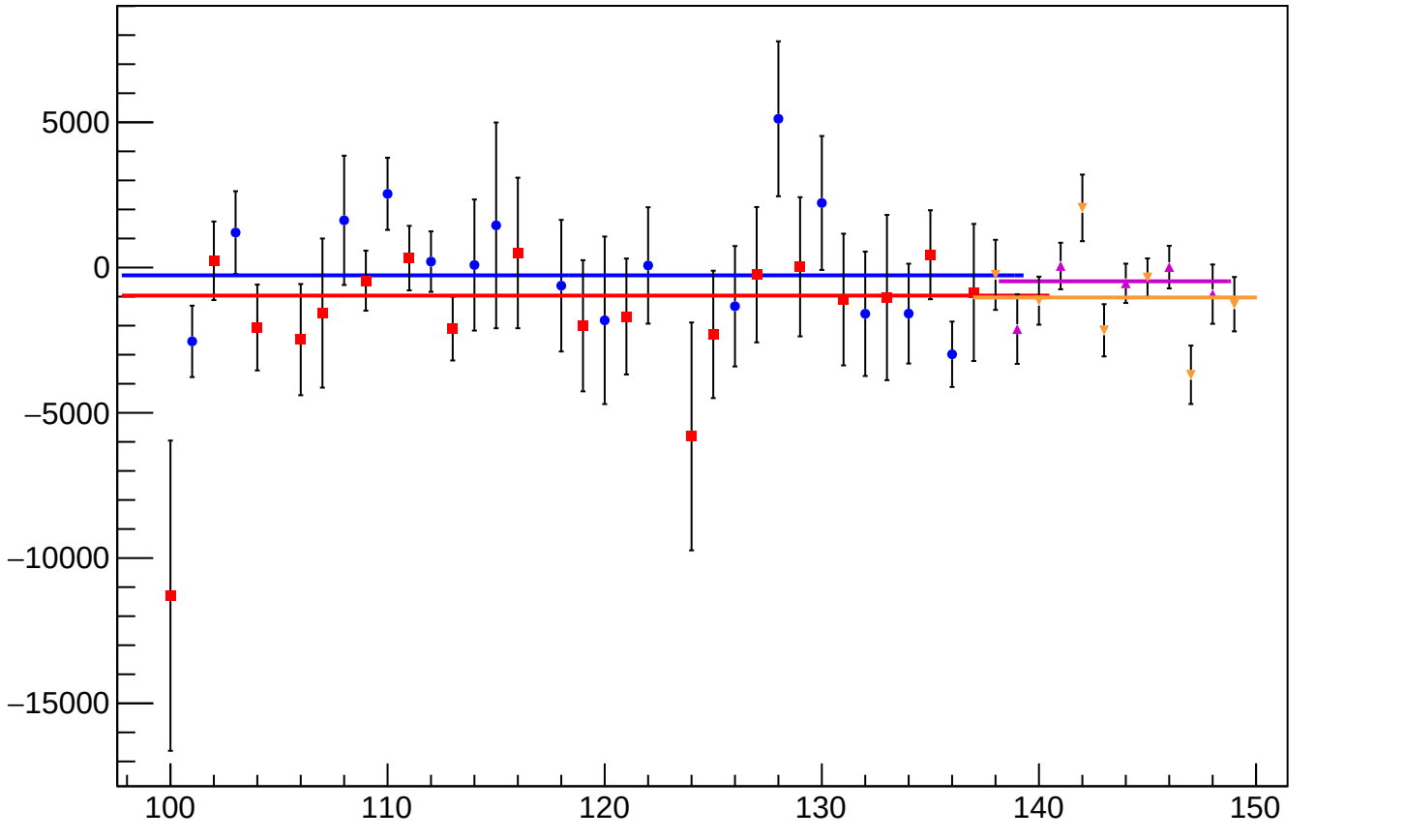
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 87.933+/-0.030 χ^2/NDF:156973.3/4

+ sign 90.482+/-0.018 χ^2/NDF: 785972.2/22

All: 89.794+/-0.013 χ^2/NDF: 1694957.1/46

- 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: -1029.534+/-341.469 χ^2/NDF:17.4/6

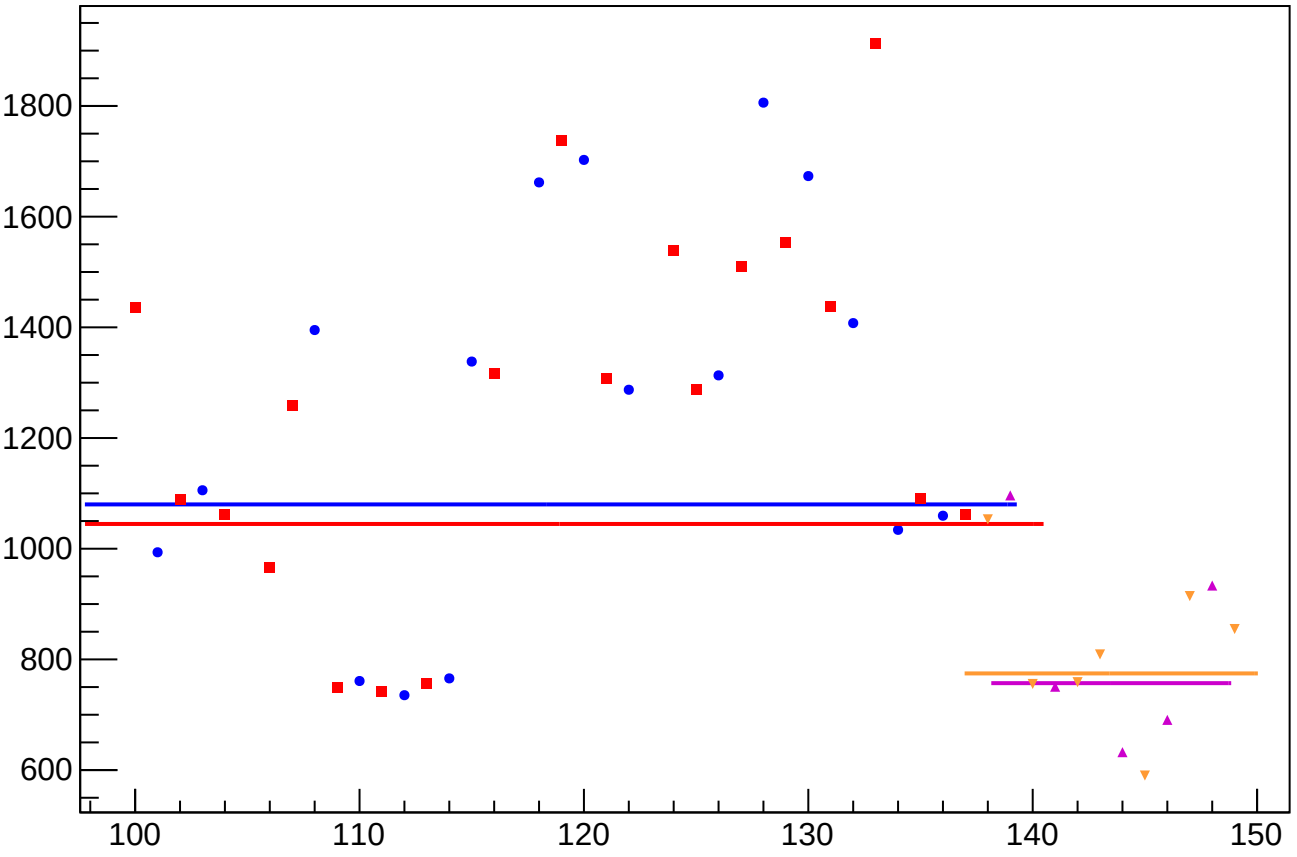
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -472.838+/-370.883 χ^2/NDF:3.0/4

+ sign -726.315+/-264.846 χ^2/NDF: 42.8/22

All: -713.217+/-189.915 χ^2/NDF: 58.7/46

- 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: 774.665+/-0.241 χ^2/NDF:320668.0/6

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

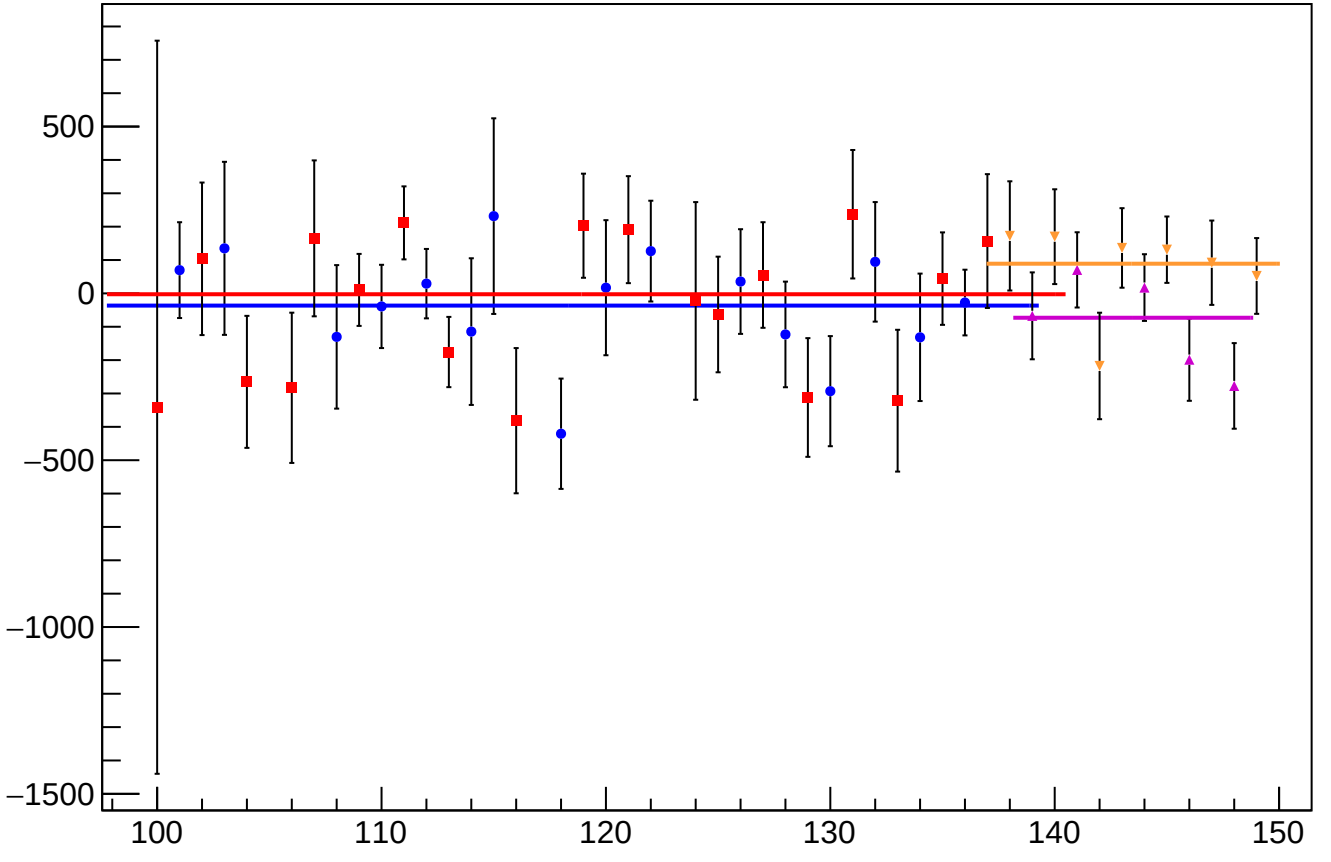
Left In: 757.082+/-0.262 χ^2/NDF:305284.8/4

+ sign 896.342+/-0.187 χ^2/NDF: 2011507.7/22

All: 893.003+/-0.134 χ^2/NDF: 4072927.2/46

- 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: 88.957+/-47.796 χ^2/NDF:4.7/6

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

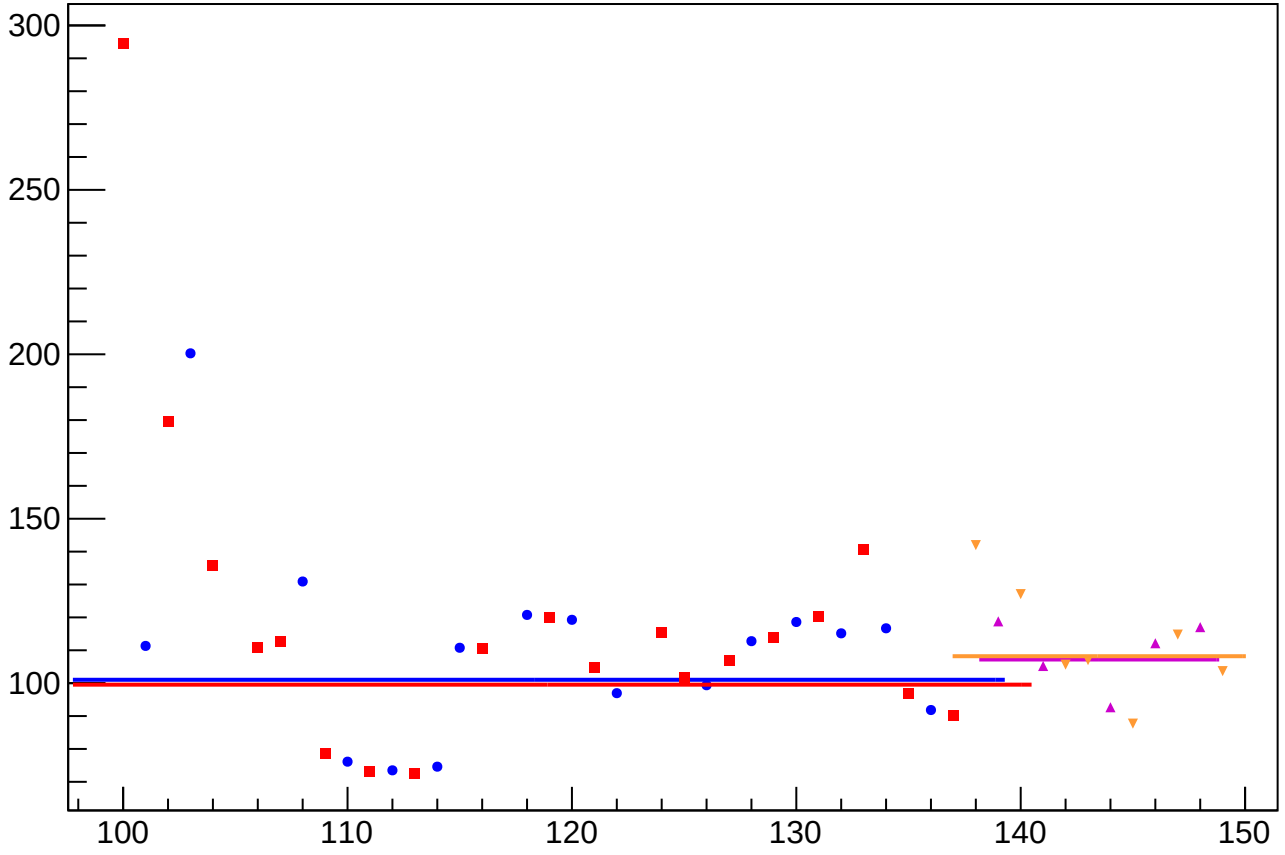
Left In: -73.026+/-52.406 χ^2/NDF:6.0/4

+ sign 13.576+/-30.213 χ^2/NDF: 21.7/22

All: -6.281+/-21.586 χ^2/NDF: 54.6/46

- 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: 108.196+/-0.034 χ^2/NDF:214768.9/6

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

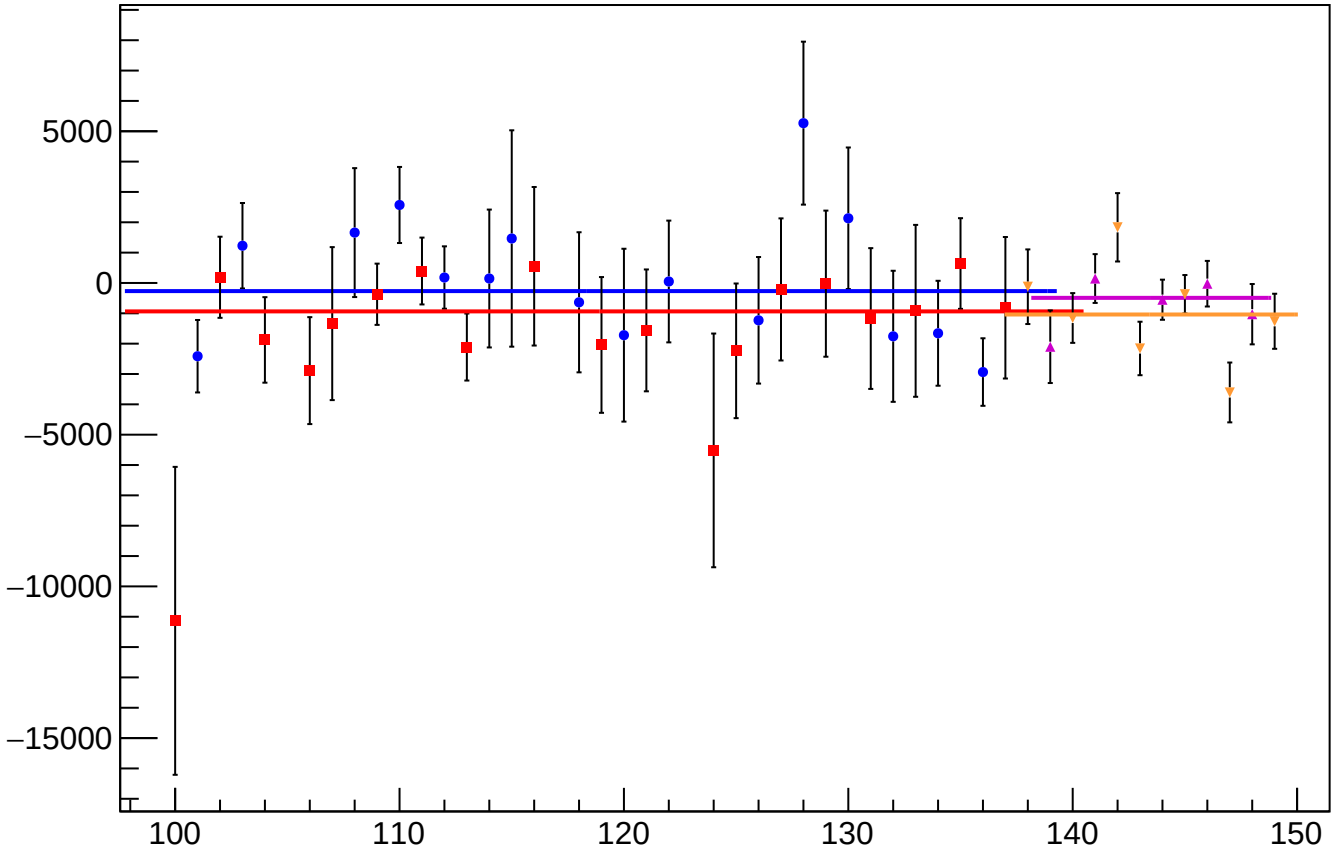
Left In: 107.195+/-0.037 χ^2/NDF:73650.3/4

+ sign 103.894+/-0.021 χ^2/NDF: 957846.3/22

All: 103.063+/-0.015 χ^2/NDF: 1942912.9/46

- 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: -1039.006+/-334.129 χ^2/NDF:16.6/6

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

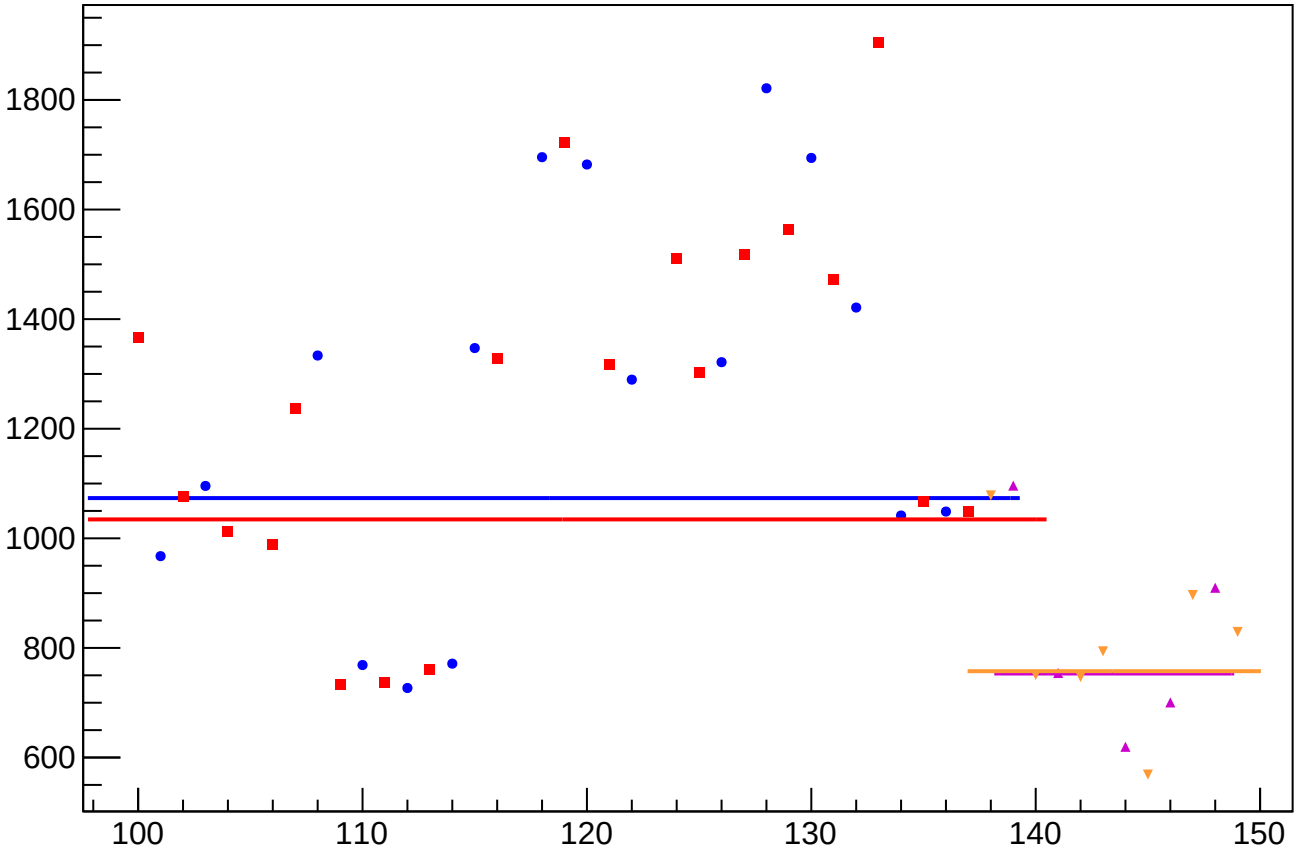
Left In: -490.563+/-369.747 χ^2/NDF:3.1/4

+ sign -737.553+/-260.765 χ^2/NDF: 42.2/22

All: -718.604+/-187.679 χ^2/NDF: 59.1/46

- 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: 757.575+/-0.236 χ^2/NDF:369087.2/6

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

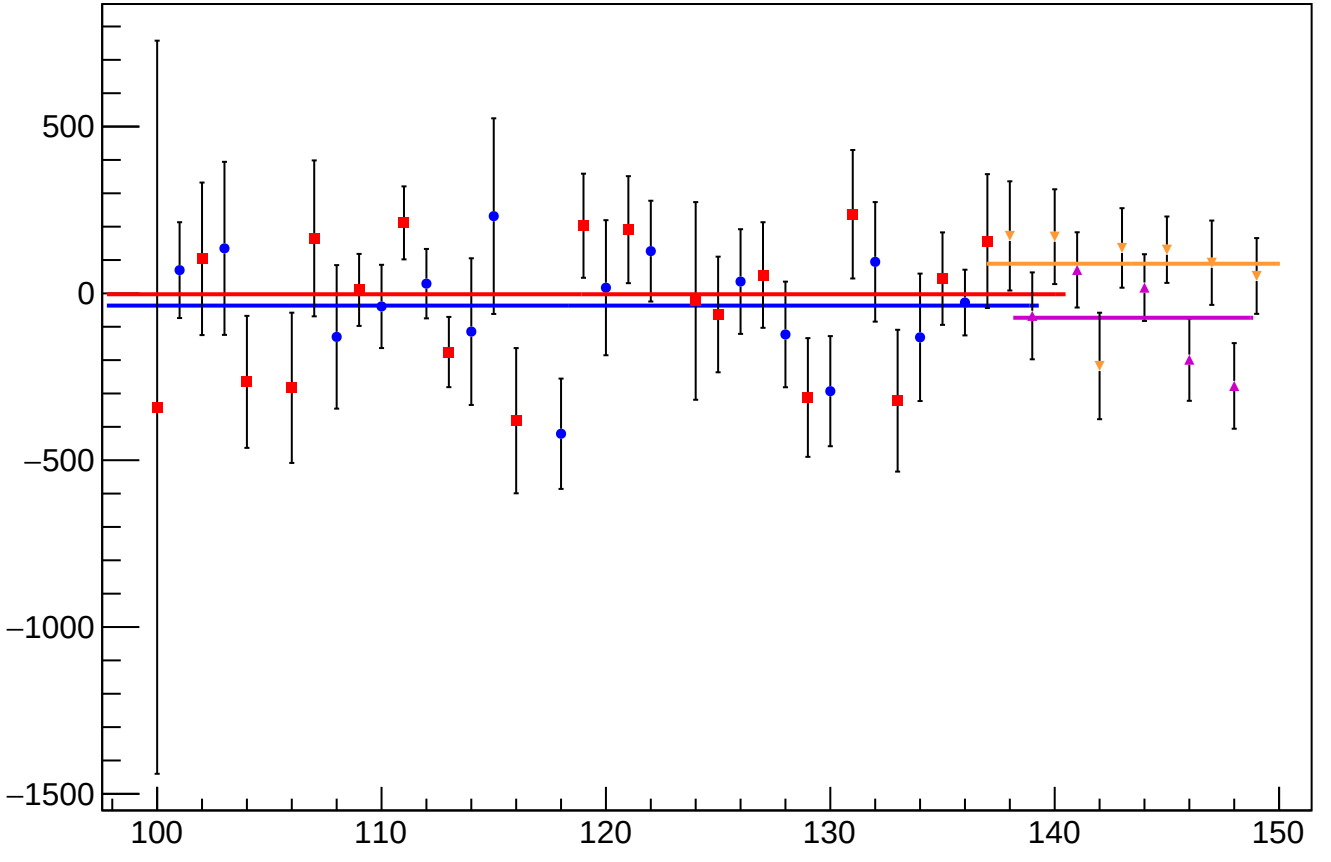
Left In: 753.340+/-0.261 χ^2/NDF:305456.6/4

+ sign 881.062+/-0.184 χ^2/NDF: 2144928.9/22

All: 882.586+/-0.133 χ^2/NDF: 4218291.9/46

- 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: 88.956+/-47.796 χ^2/NDF:4.7/6

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

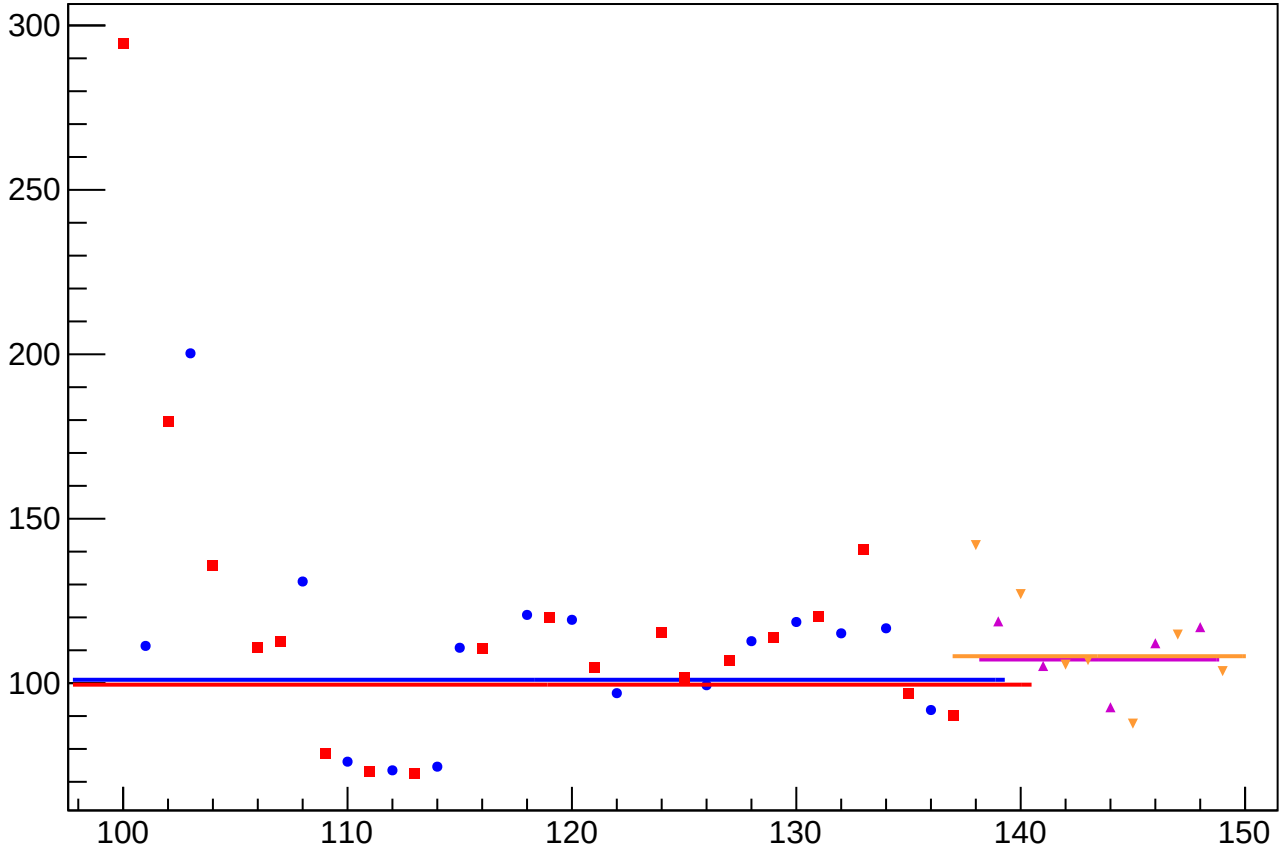
Left In: -73.027+/-52.406 χ^2/NDF:6.0/4

+ sign 13.576+/-30.213 χ^2/NDF: 21.7/22

All: -6.281+/-21.586 χ^2/NDF: 54.6/46

- 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: 108.196+/-0.034 χ^2/NDF:214761.6/6

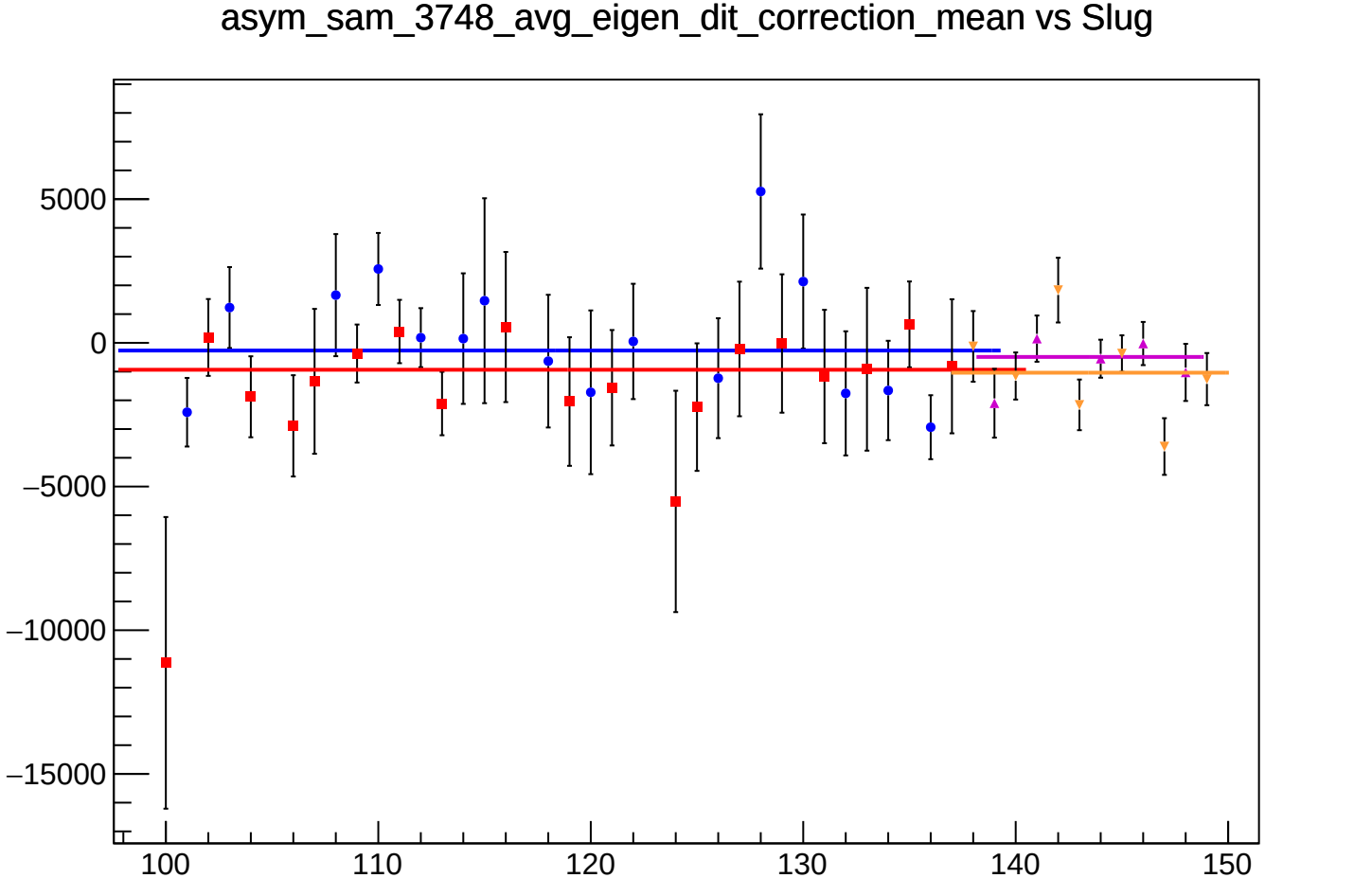
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 107.195+/-0.037 χ^2/NDF:73647.9/4

+ sign 103.894+/-0.021 χ^2/NDF: 957840.0/22

All: 103.064+/-0.015 χ^2/NDF: 1942908.3/46

- 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: -1039.007+/-334.129 χ^2/NDF:16.6/6

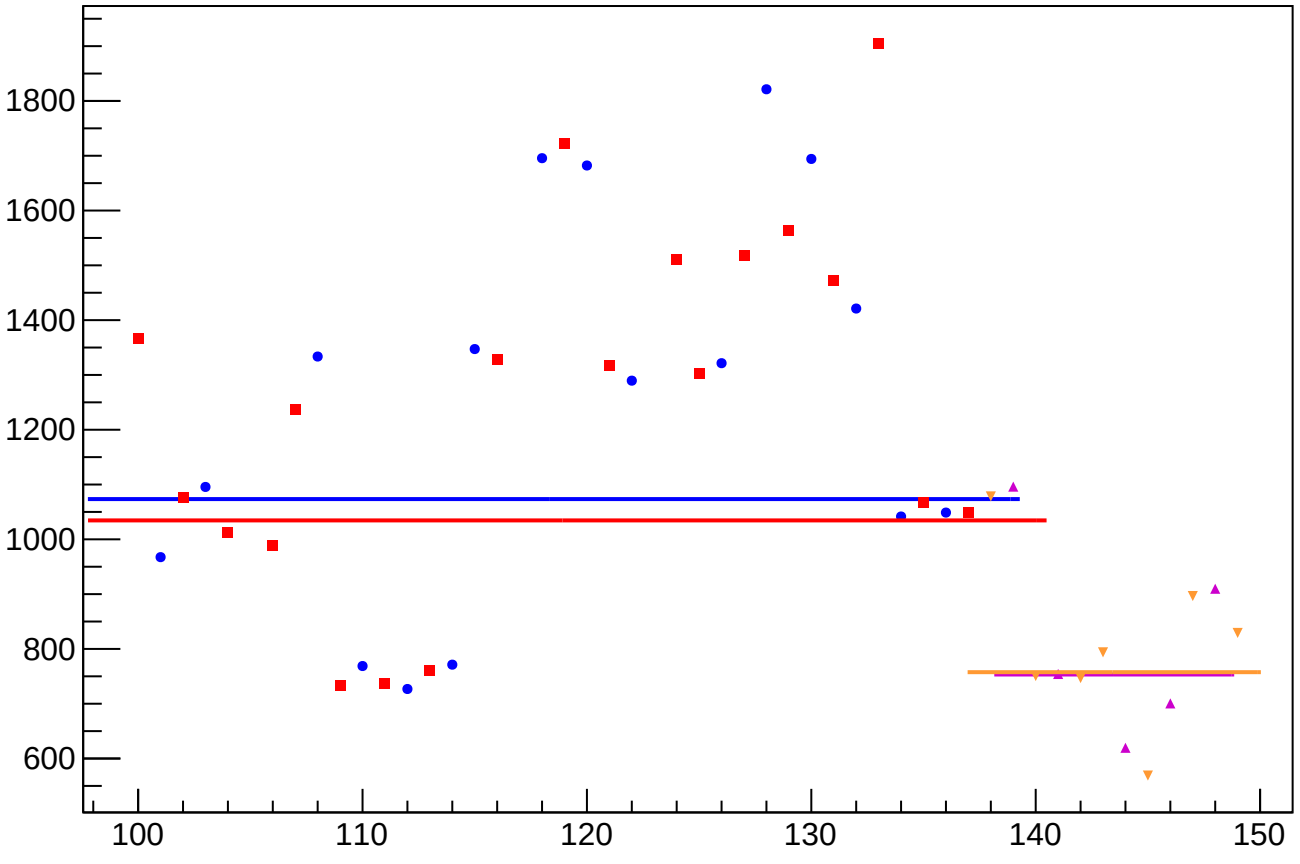
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -490.563+/-369.746 χ^2/NDF:3.1/4

+ sign -737.553+/-260.764 χ^2/NDF: 42.2/22

All: -718.603+/-187.679 χ^2/NDF: 59.1/46

- 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: 757.574+/-0.236 χ^2/NDF:369090.5/6

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

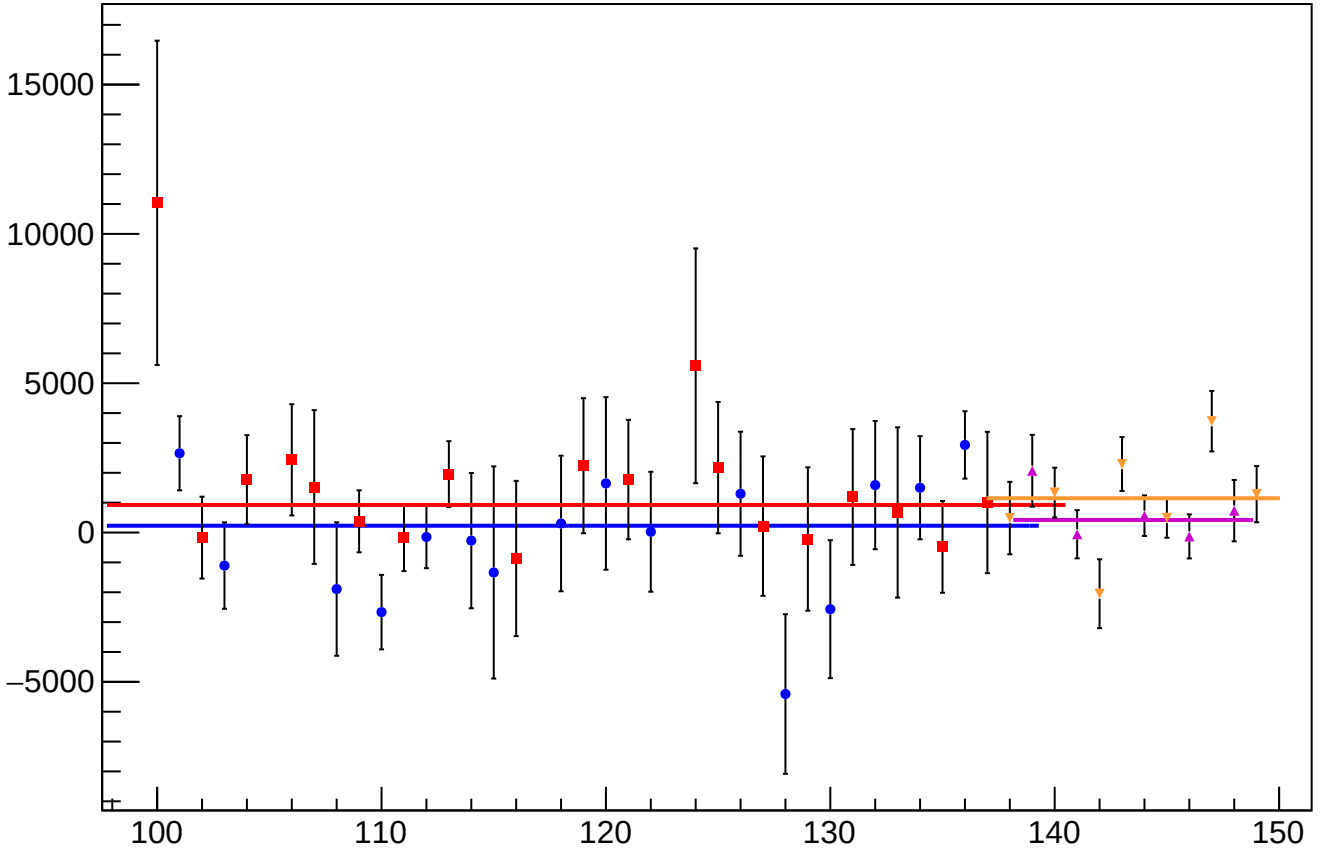
Left In: 753.339+/-0.261 χ^2/NDF:305457.5/4

+ sign 881.060+/-0.184 χ^2/NDF: 2144936.6/22

All: 882.585+/-0.133 χ^2/NDF: 4218300.8/46

- 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: 1148.358+/-343.809 χ^2/NDF:17.1/6

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

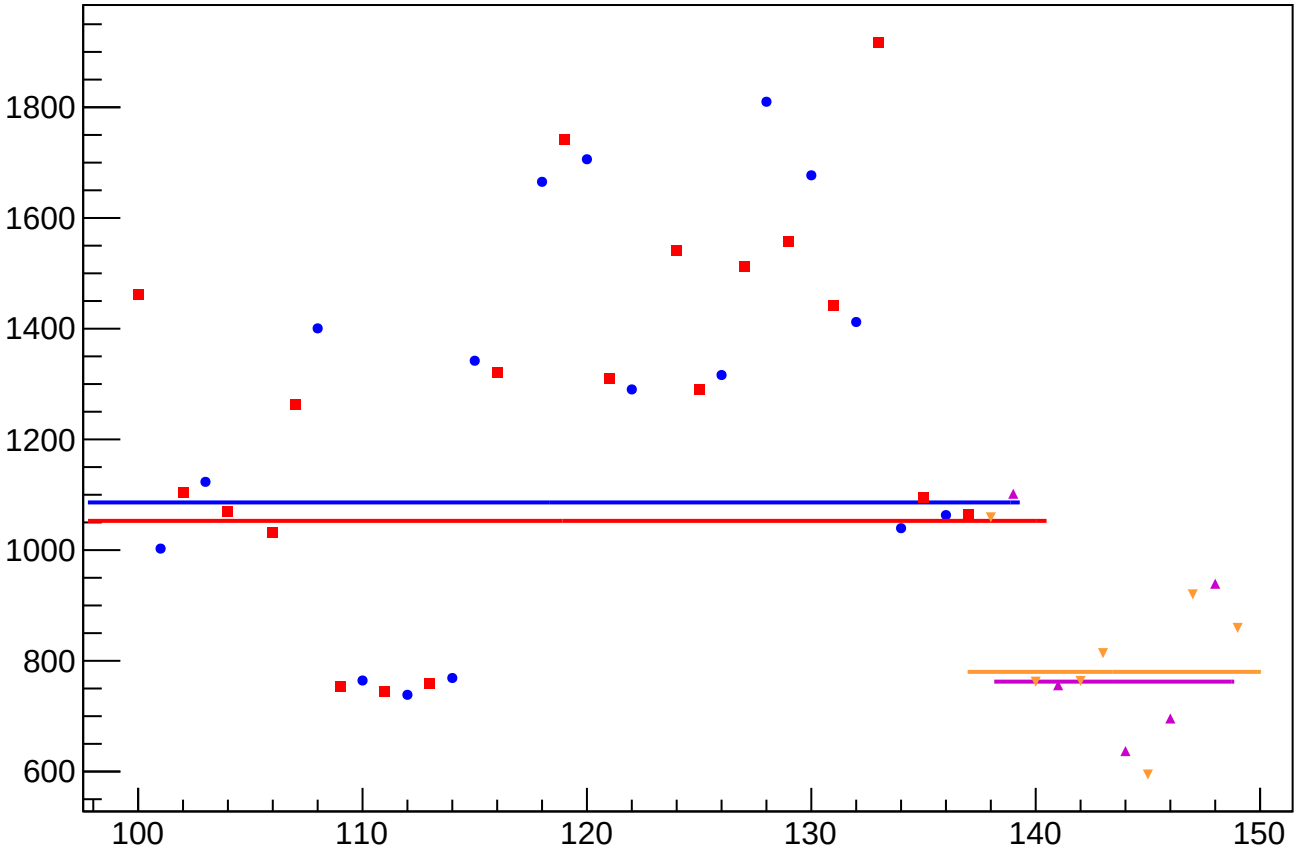
Left In: 420.903+/-373.433 χ^2/NDF:2.9/4

+ sign 780.811+/-266.505 χ^2/NDF: 44.4/22

All: 718.711+/-191.024 χ^2/NDF: 59.5/46

- 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: 780.067+/-0.243 χ^2/NDF:318215.5/6

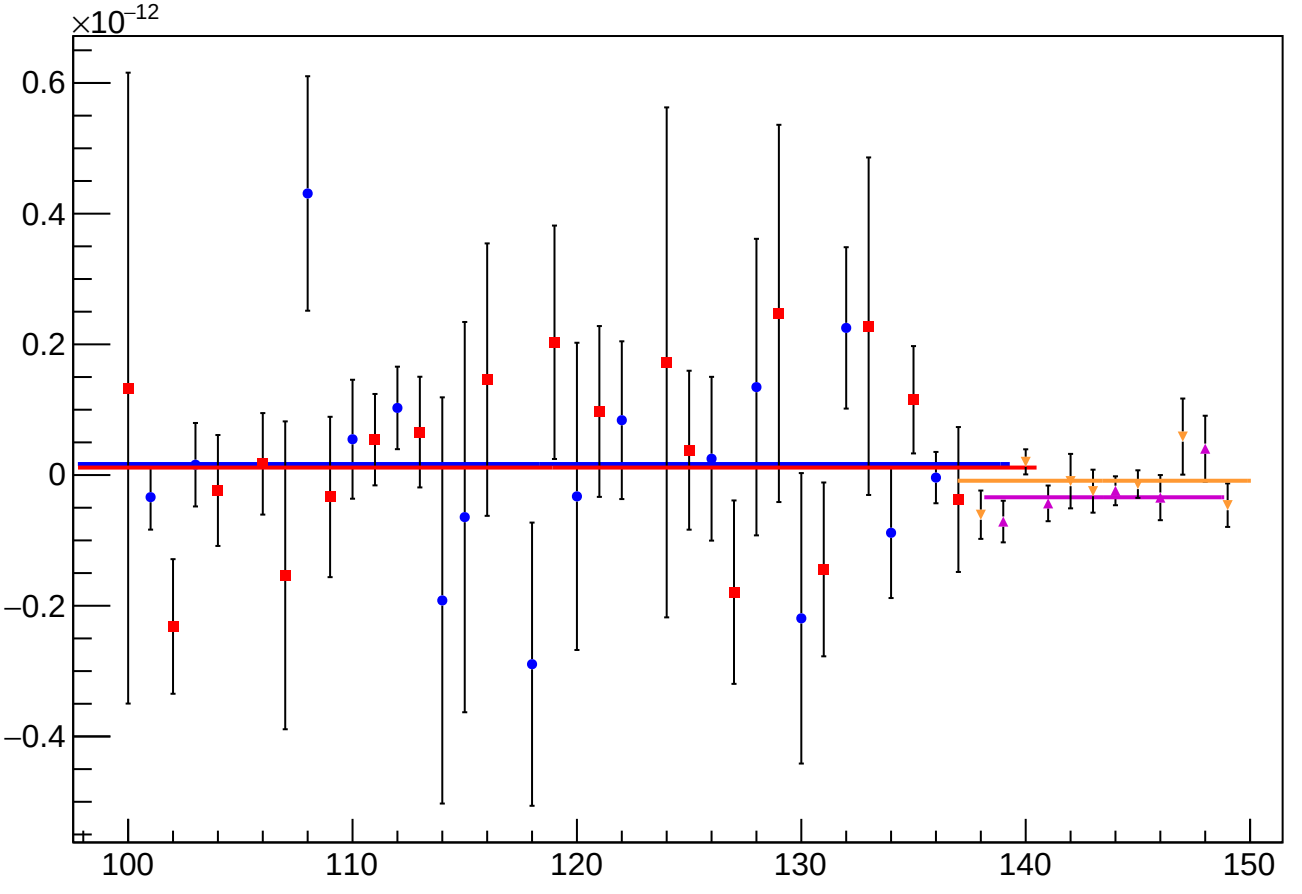
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 762.401+/-0.264 χ^2/NDF:303200.2/4

+ sign 902.230+/-0.188 χ^2/NDF: 1998338.3/22

All: 899.461+/-0.135 χ^2/NDF: 4055115.1/46

- 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:7.1/6

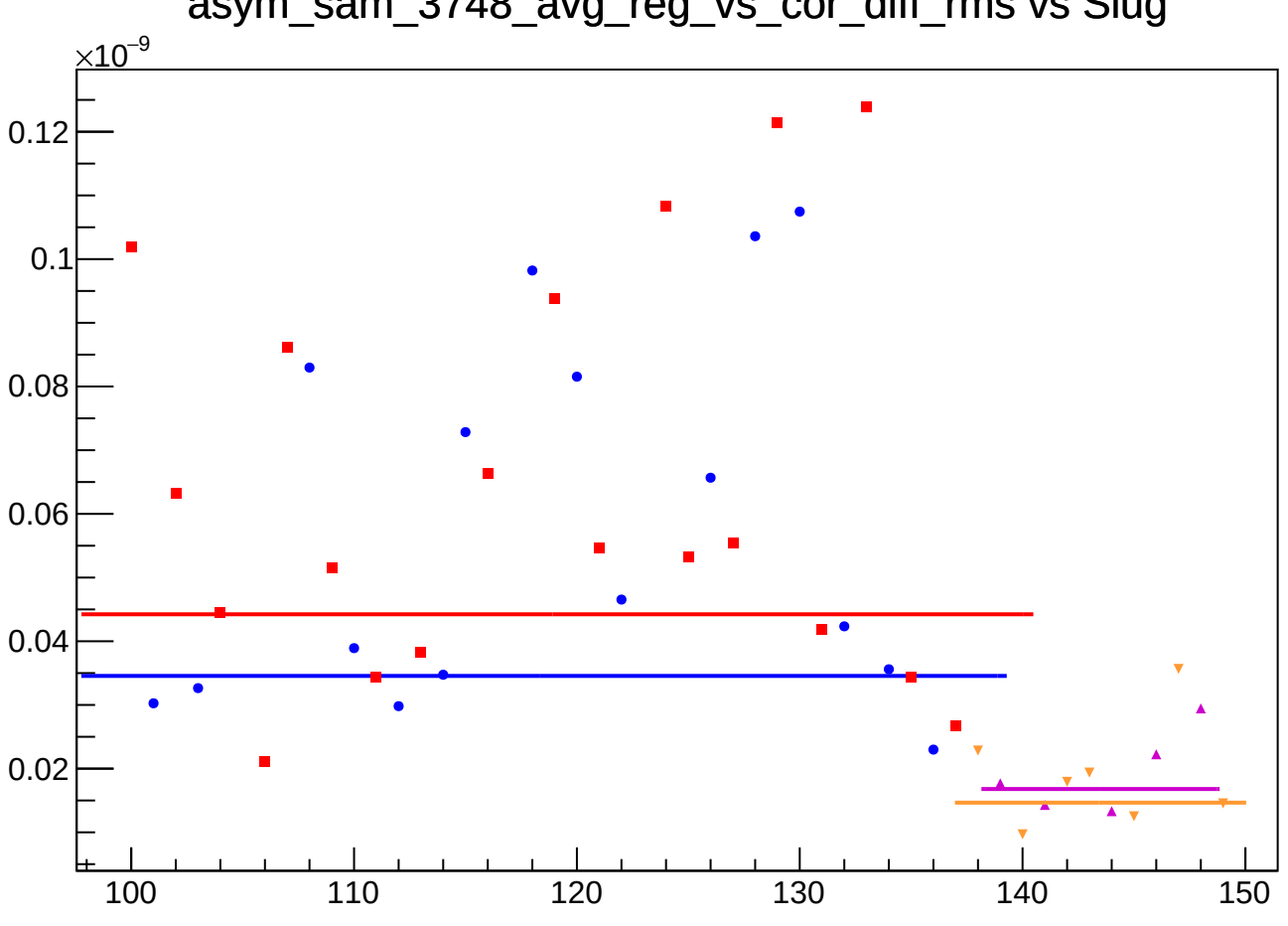
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/22

All: -0.000+/-0.000 χ^2/NDF: 49.0/46

- 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:566103.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

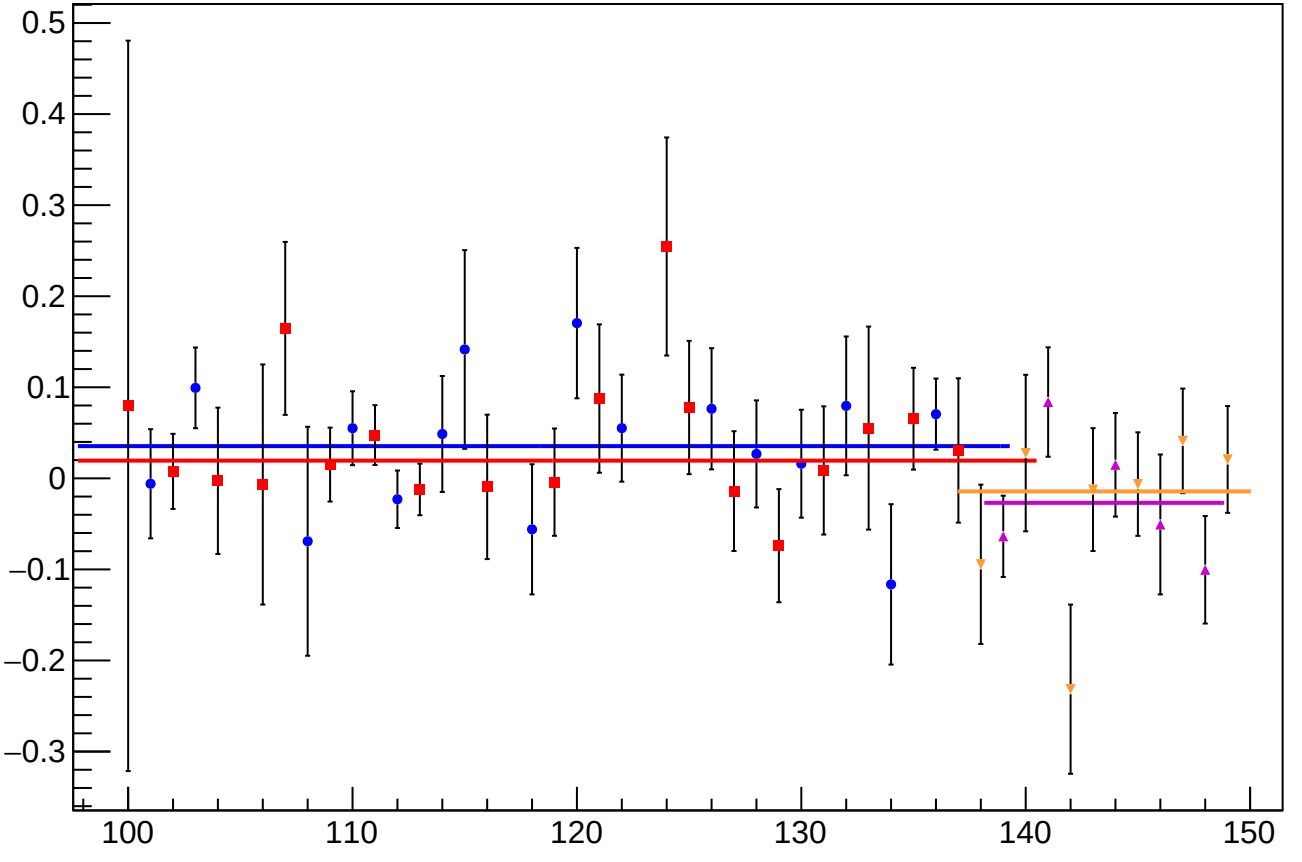
Left In: 0.000+/-0.000 χ^2/NDF:243691.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 3084624.7/22

All: 0.000+/-0.000 χ^2/NDF: 6178230.5/46

- 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: -0.014+/-0.026 χ^2/NDF:7.9/6

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

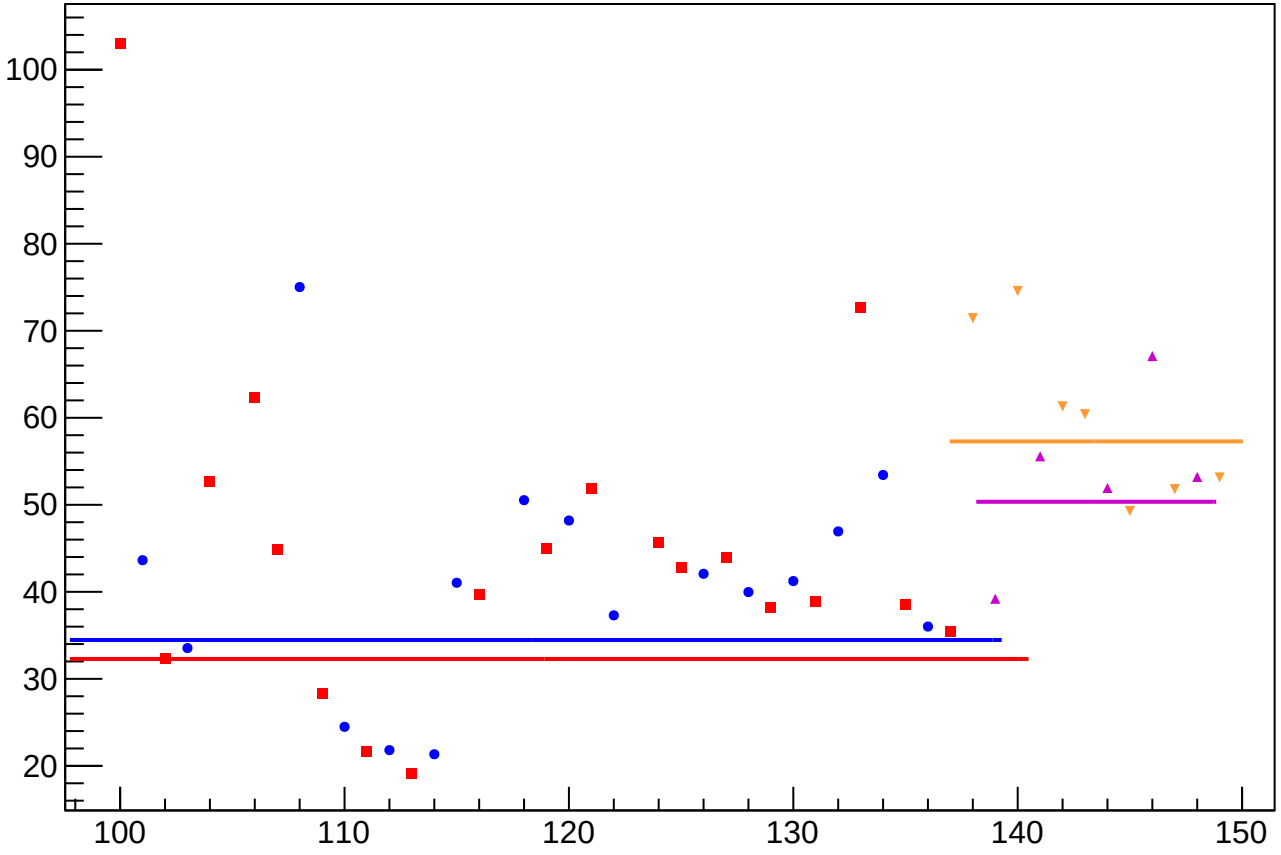
Left In: -0.027+/-0.025 χ^2/NDF:6.3/4

+ sign 0.024+/-0.012 χ^2/NDF: 27.7/22

All: 0.017+/-0.008 χ^2/NDF: 50.7/46

- 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: 57.288+/-0.018 χ^2/NDF:209244.0/6

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

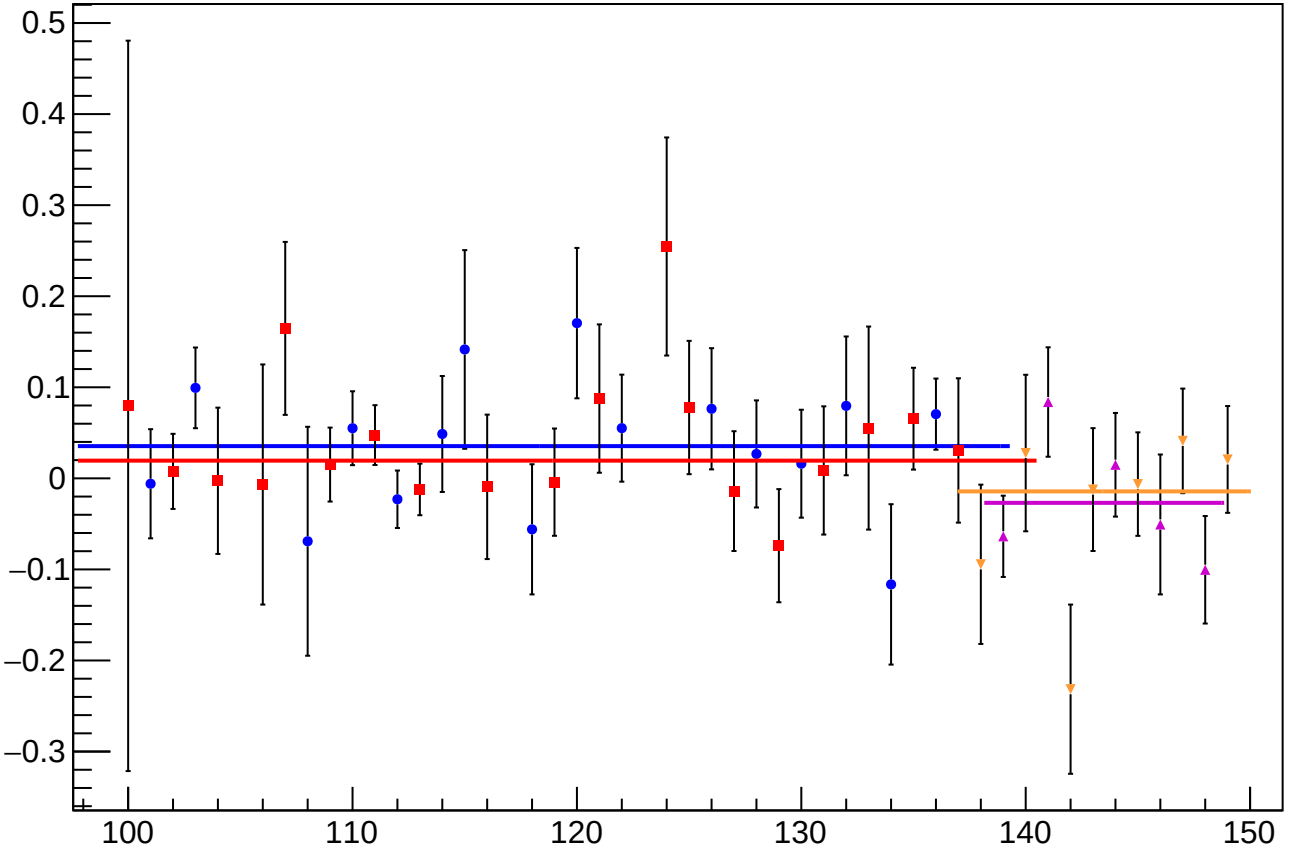
Left In: 50.349+/-0.018 χ^2/NDF:241084.4/4

+ sign 39.605+/-0.009 χ^2/NDF: 2595373.8/22

All: 37.759+/-0.006 χ^2/NDF: 5392251.3/46

- sign 36.080+/-0.008 χ^2/NDF: 2709857.1/23

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.014+/-0.026 χ^2/NDF:7.9/6

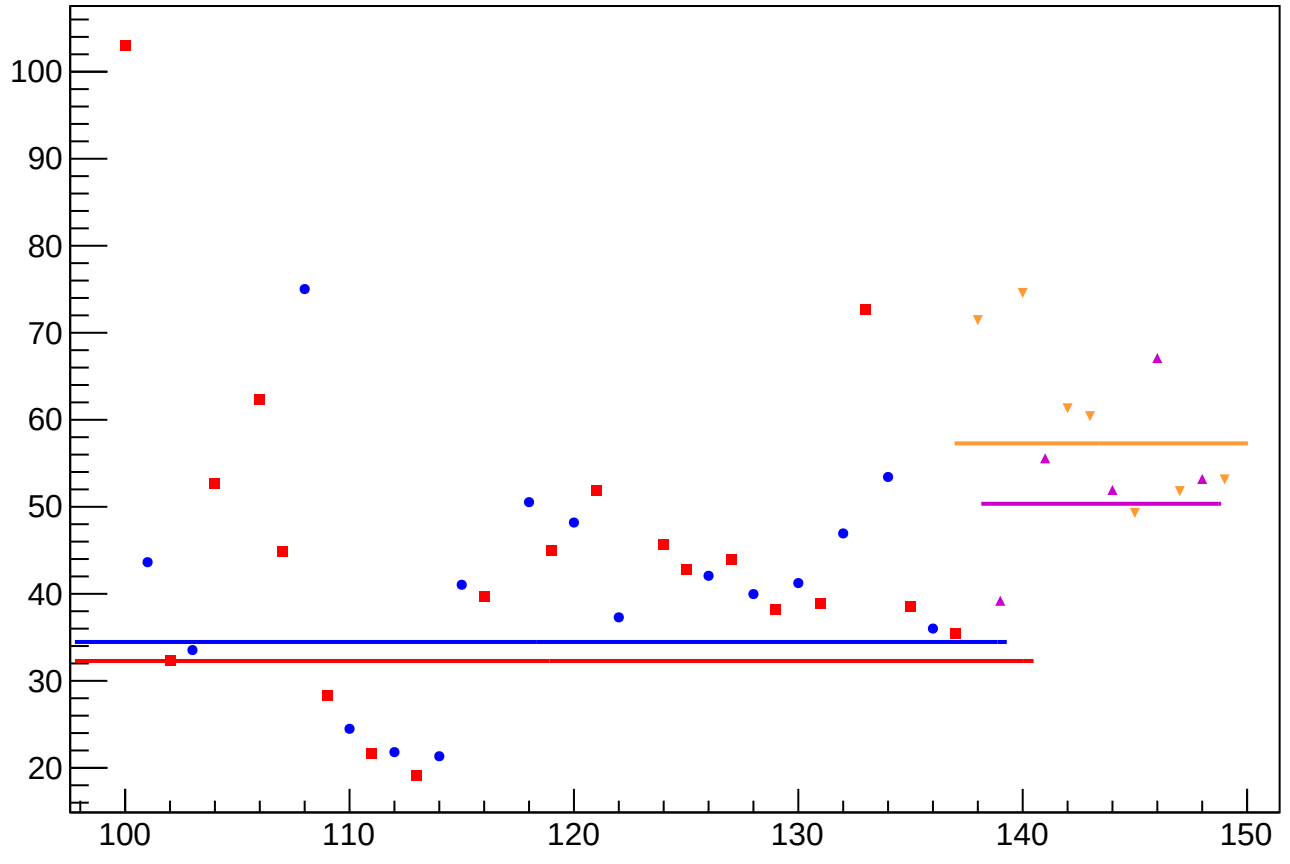
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.027+/-0.025 χ^2/NDF:6.3/4

+ sign 0.024+/-0.012 χ^2/NDF: 27.7/22

All: 0.017+/-0.008 χ^2/NDF: 50.7/46

- 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: 57.288+/-0.018 χ^2/NDF:209244.0/6

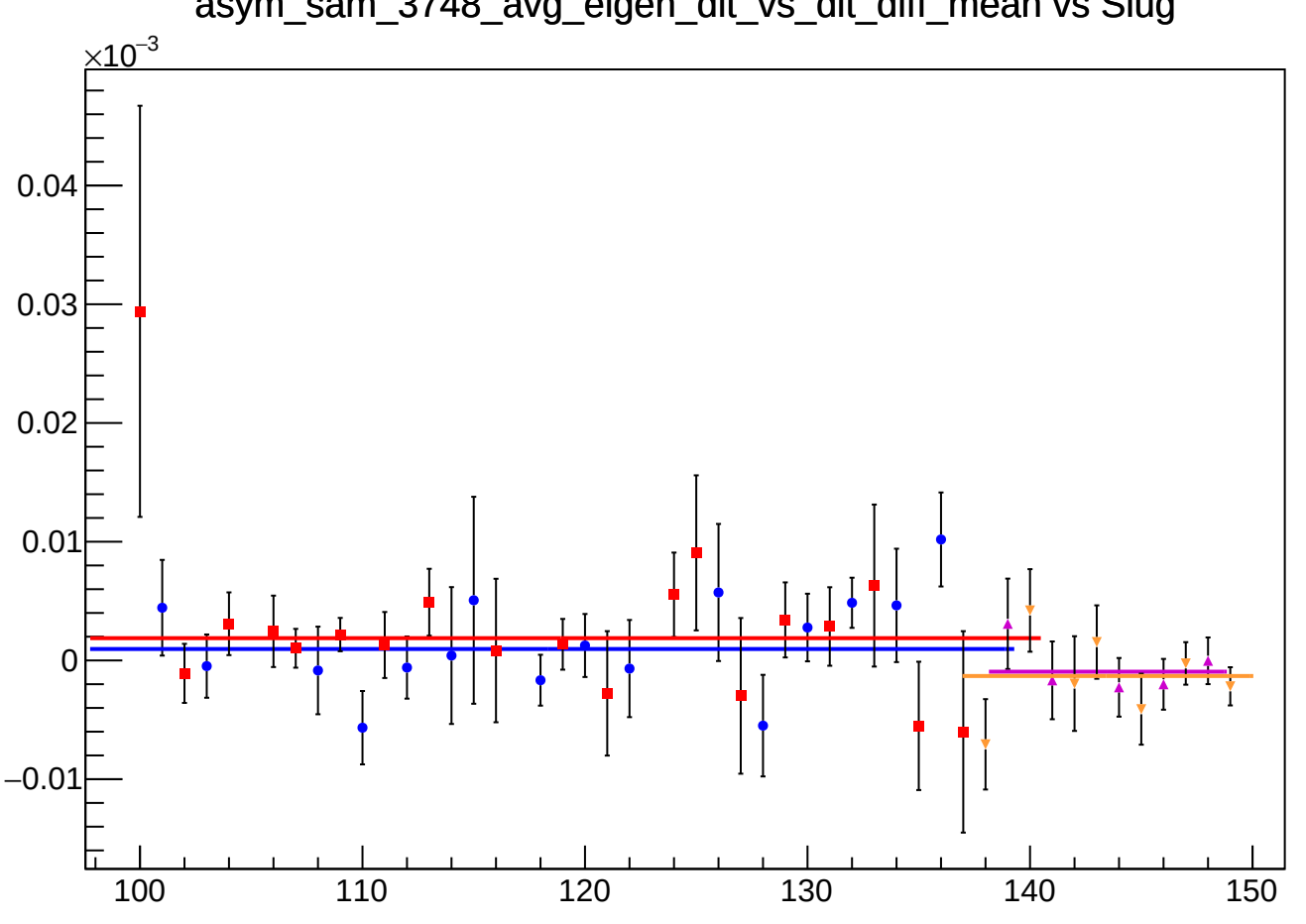
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 50.349+/-0.018 χ^2/NDF:241084.4/4

+ sign 39.605+/-0.009 χ^2/NDF: 2595373.8/22

All: 37.759+/-0.006 χ^2/NDF: 5392251.3/46

- 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:7.2/6

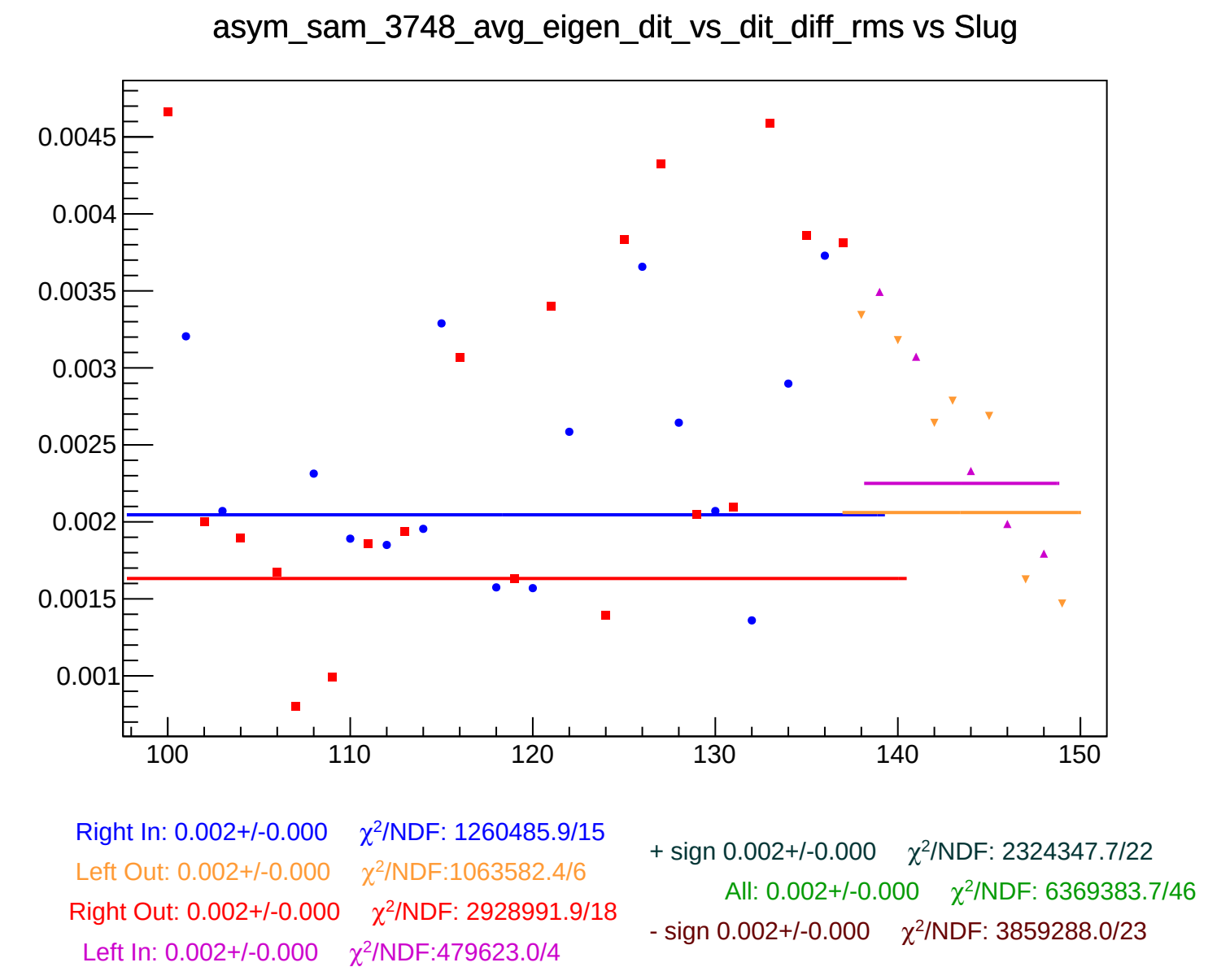
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

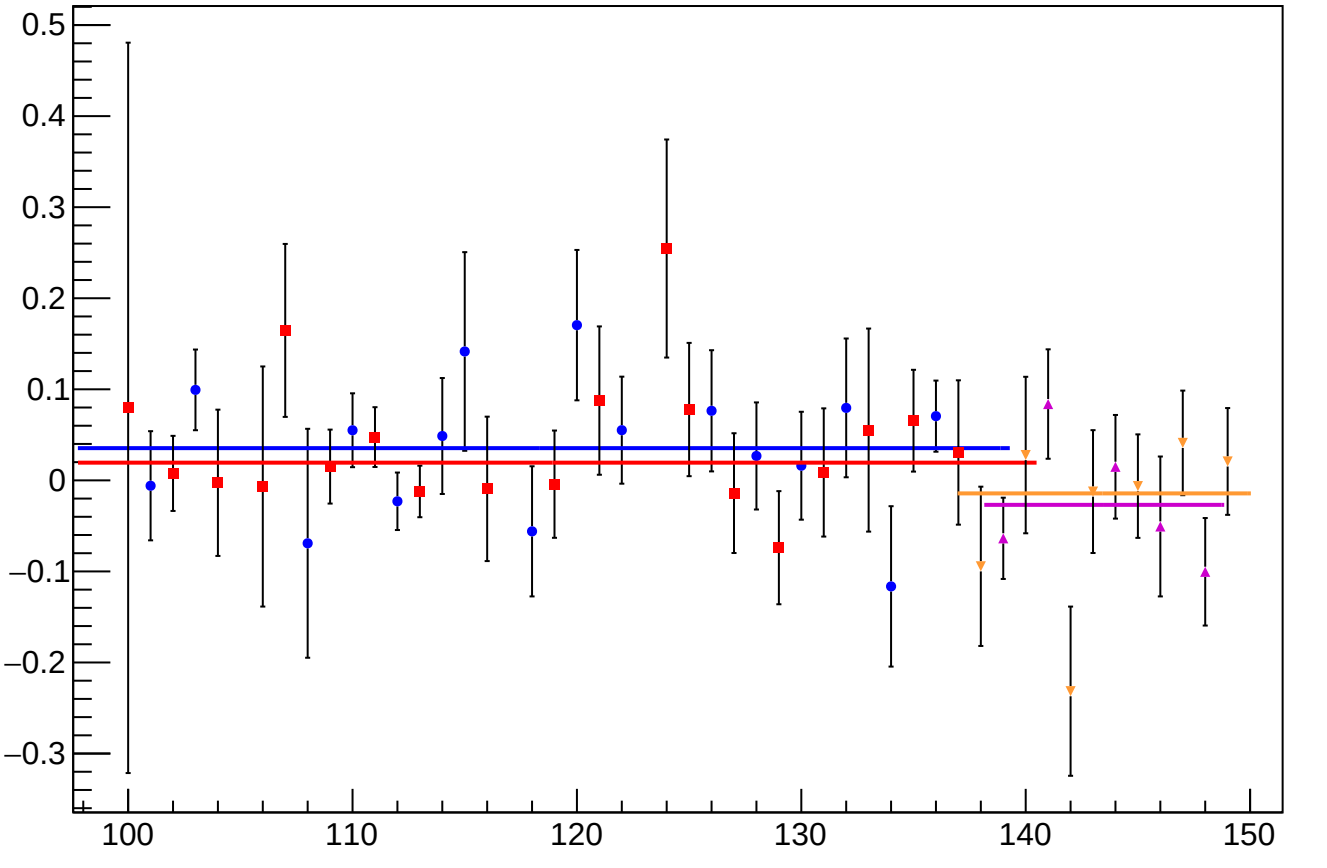
Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

+ sign -0.000+/-0.000 χ^2/NDF: 31.5/22

All: 0.000+/-0.000 χ^2/NDF: 52.8/46

- sign 0.000+/-0.000 χ^2/NDF: 19.5/23


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1063582.4/6
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:479623.0/4
+ sign 0.002+/-0.000 χ²/NDF: 2324347.7/22
All: 0.002+/-0.000 χ²/NDF: 6369383.7/46
- sign 0.002+/-0.000 χ²/NDF: 3859288.0/23



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.014+/-0.026 χ^2/NDF:7.9/6

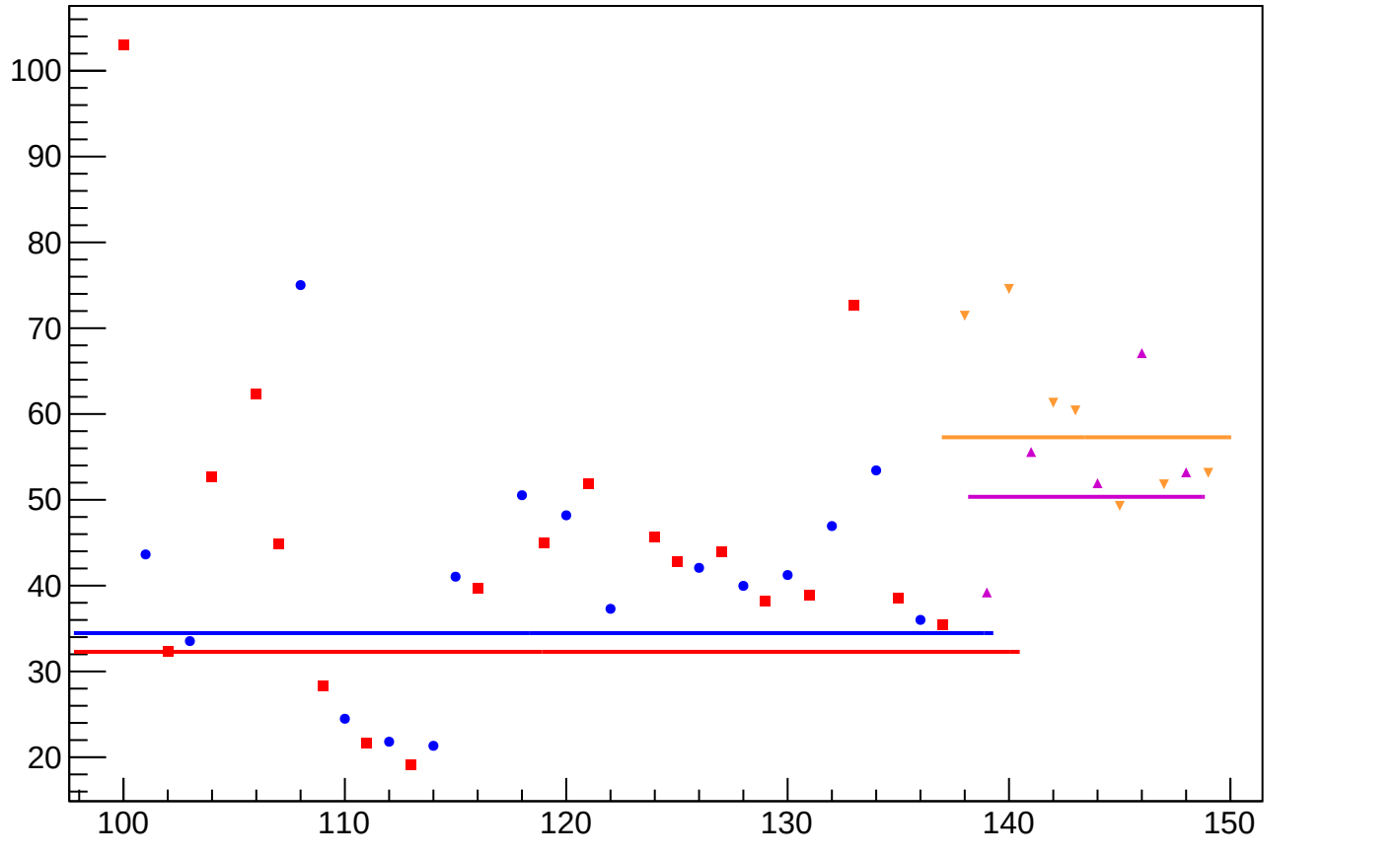
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.027+/-0.025 χ^2/NDF:6.3/4

+ sign 0.024+/-0.012 χ^2/NDF: 27.7/22

All: 0.017+/-0.008 χ^2/NDF: 50.7/46

- 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: 57.289+/-0.018 χ^2/NDF:209233.0/6

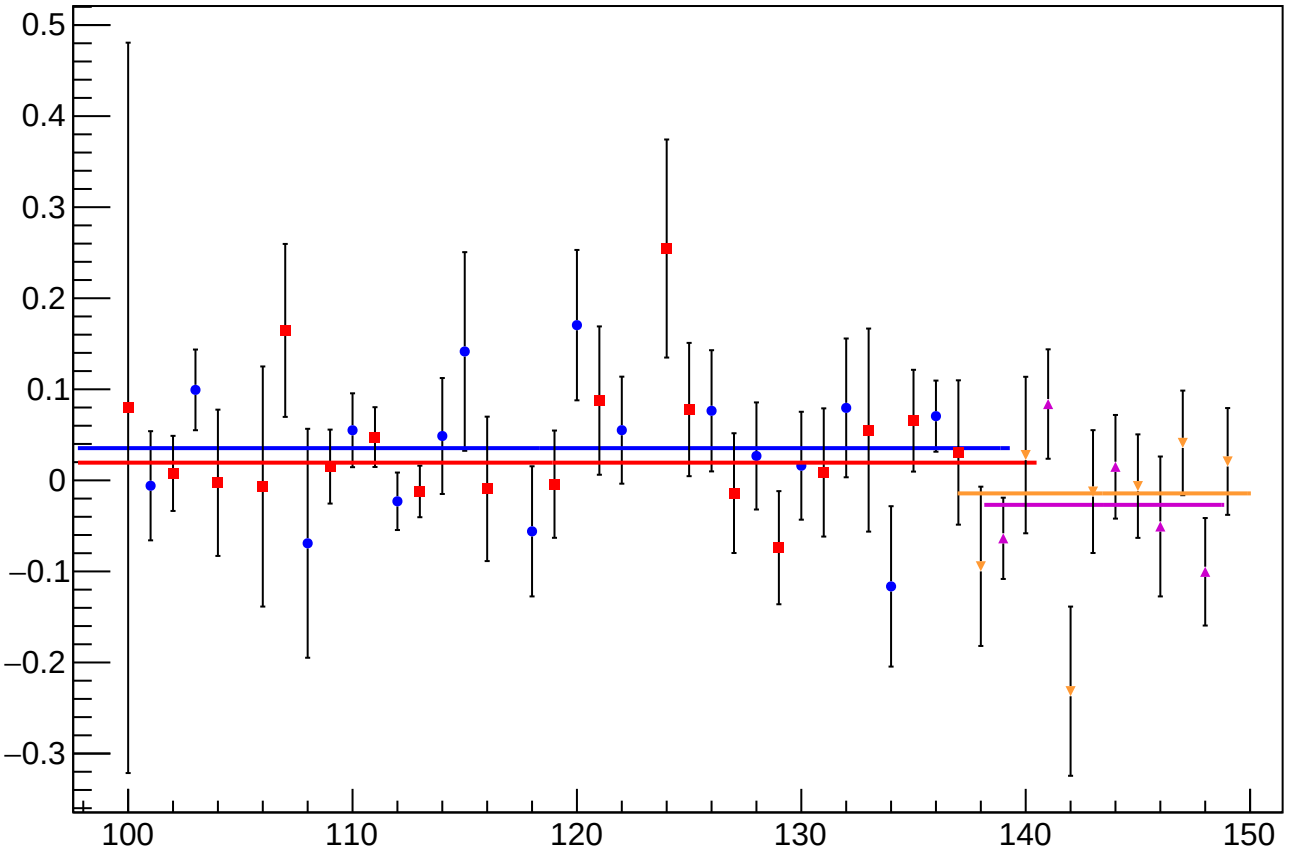
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 50.350+/-0.018 χ^2/NDF:241107.1/4

+ sign 39.605+/-0.009 χ^2/NDF: 2595329.8/22

All: 37.759+/-0.006 χ^2/NDF: 5392182.9/46

- 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: -0.014+/-0.026 χ^2/NDF:7.9/6

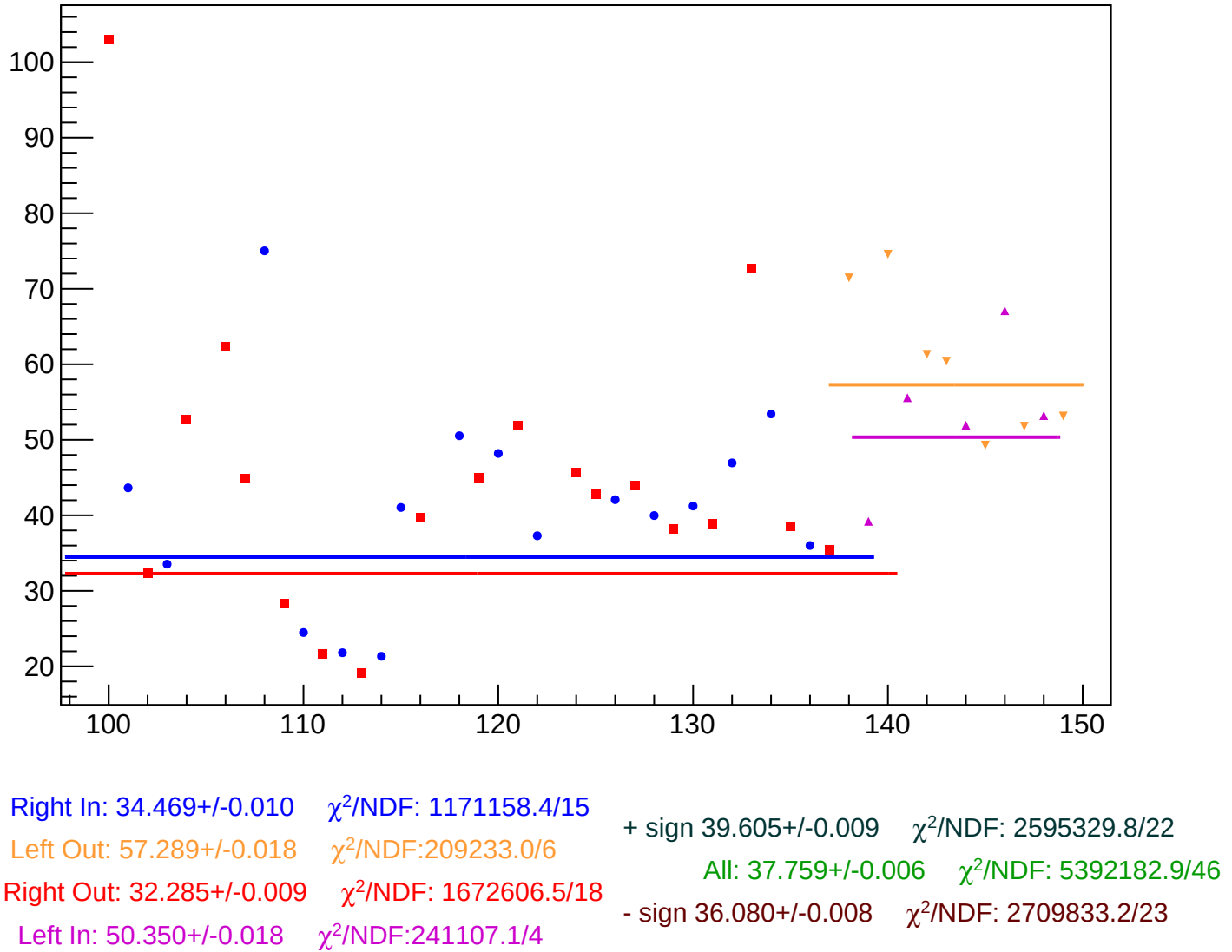
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

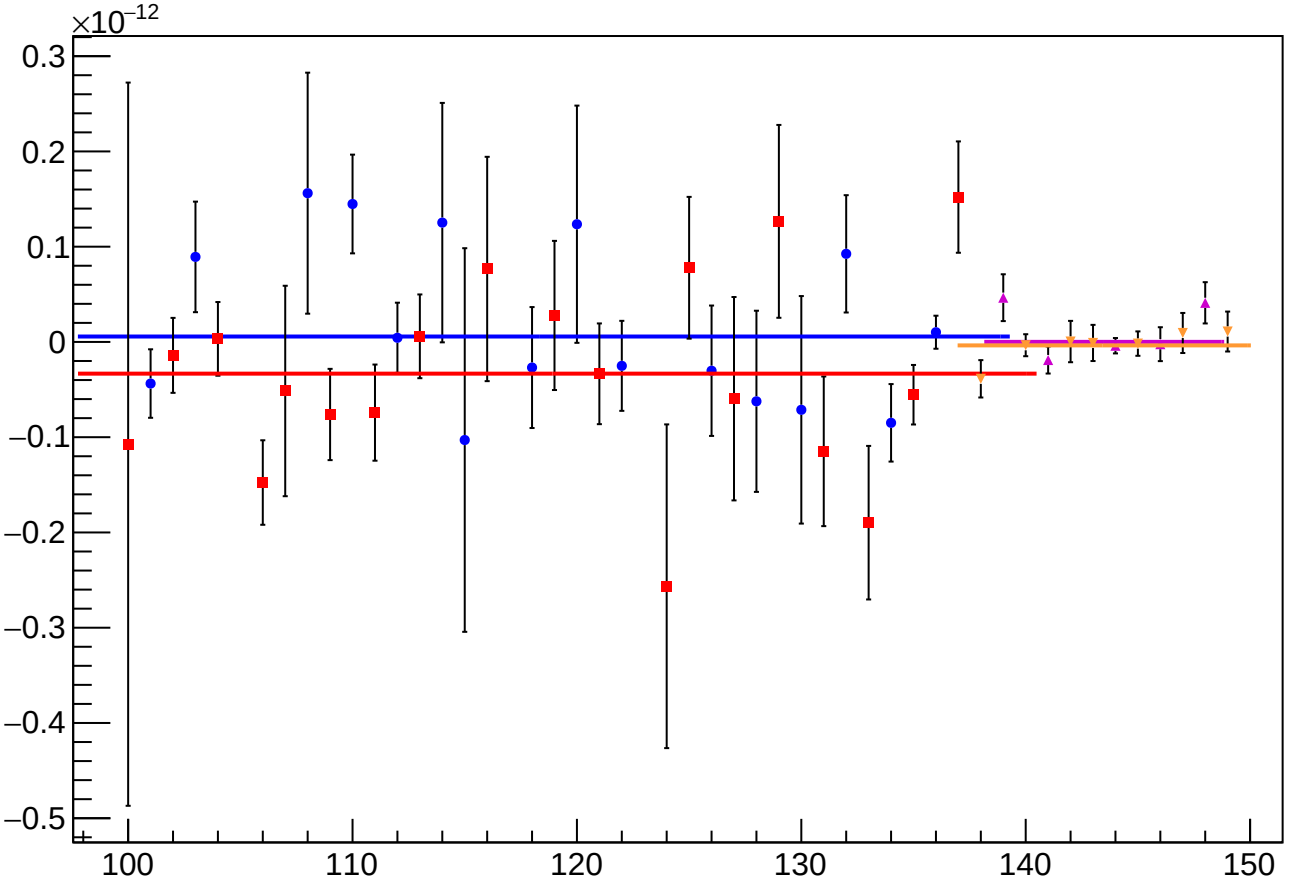
Left In: -0.027+/-0.025 χ^2/NDF:6.3/4

+ sign 0.024+/-0.012 χ^2/NDF: 27.7/22

All: 0.017+/-0.008 χ^2/NDF: 50.7/46

- 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
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 57.289+/-0.018 χ²/NDF:209233.0/6
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 50.350+/-0.018 χ²/NDF:241107.1/4
+ sign 39.605+/-0.009 χ²/NDF: 2595329.8/22
All: 37.759+/-0.006 χ²/NDF: 5392182.9/46
- 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:4.1/6

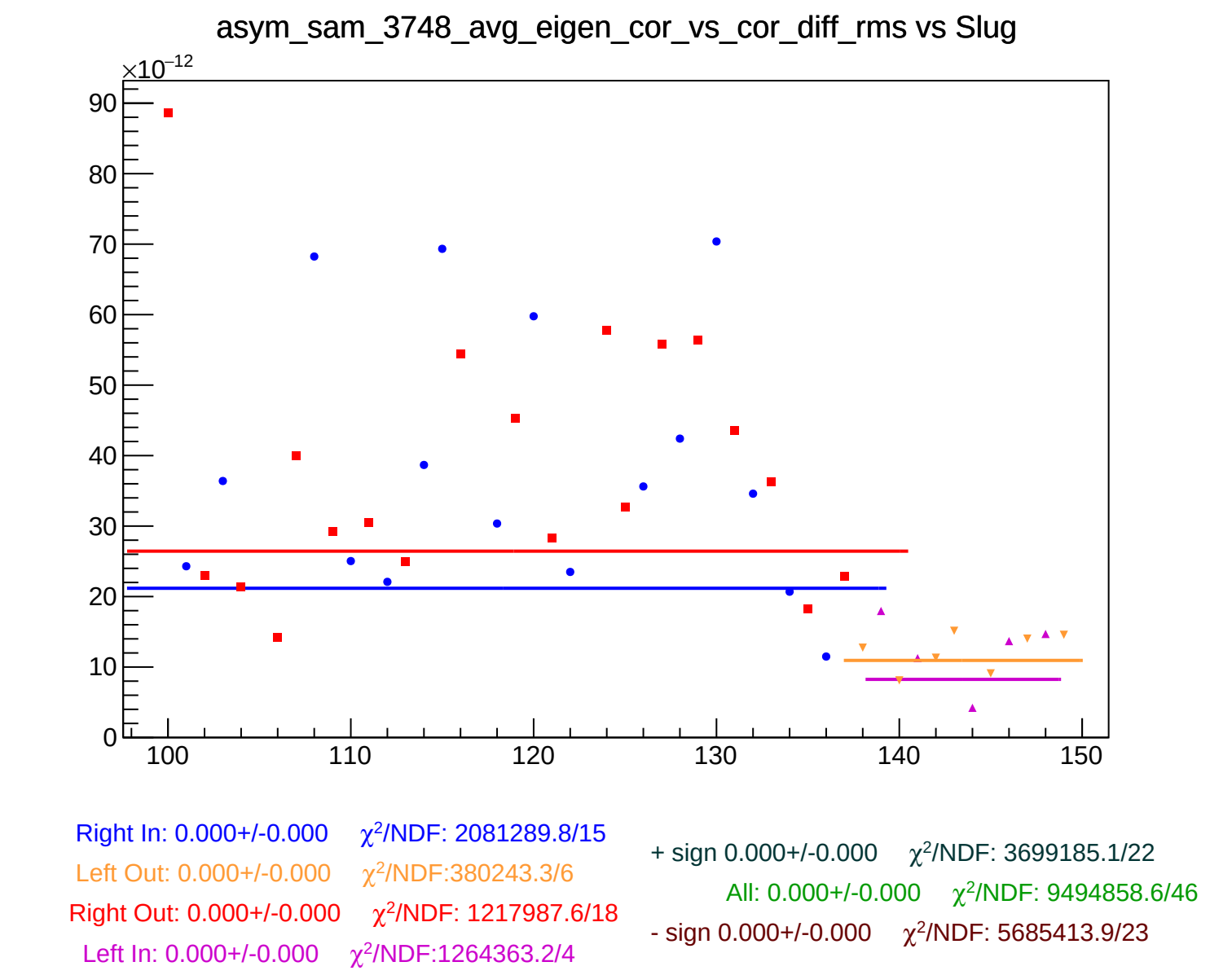
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/4

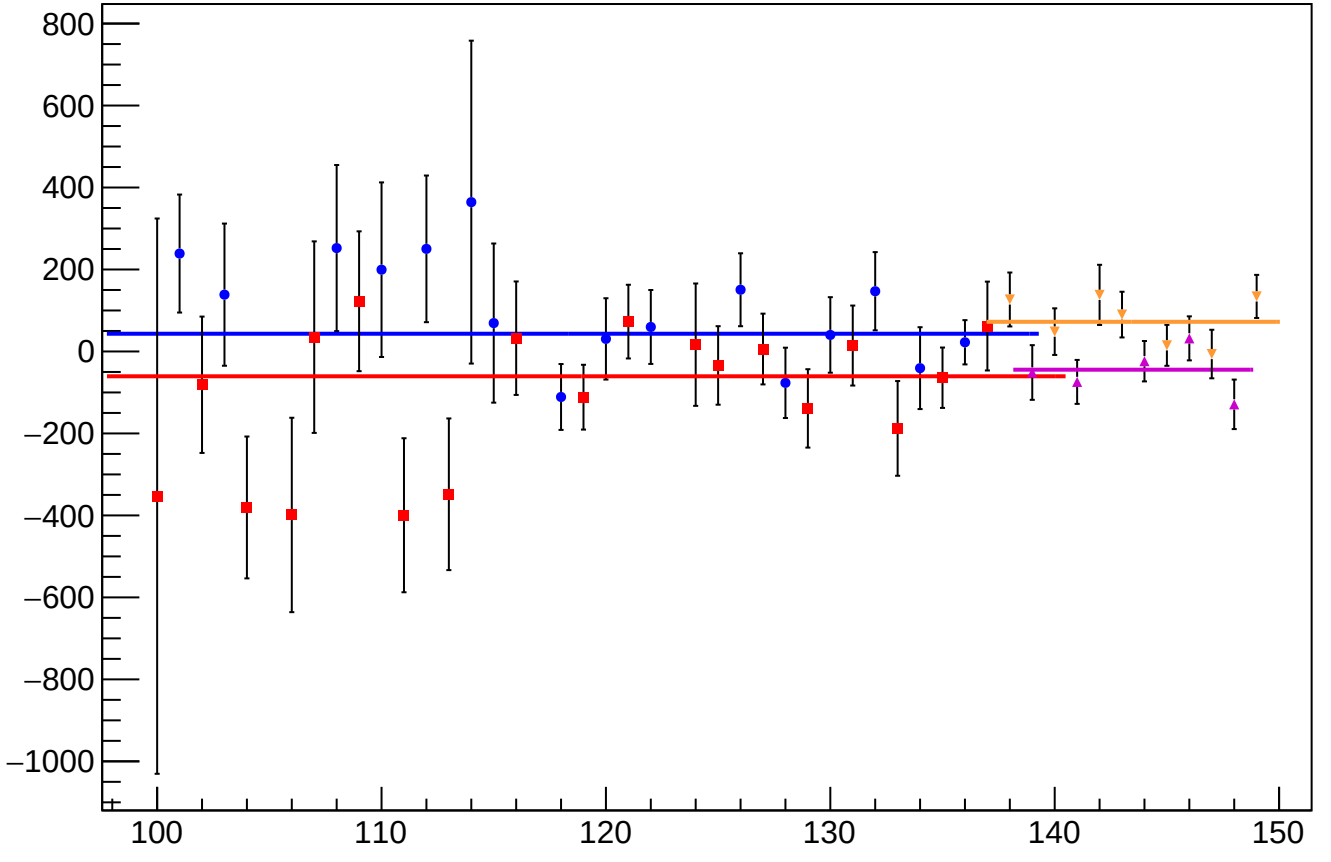
+ sign -0.000+/-0.000 χ^2/NDF: 28.2/22

All: -0.000+/-0.000 χ^2/NDF: 76.6/46

- 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
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:380243.3/6
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: 3699185.1/22
All: 0.000+/-0.000 χ²/NDF: 9494858.6/46
- 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: 72.366+/-21.843 χ^2/NDF:6.2/6

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

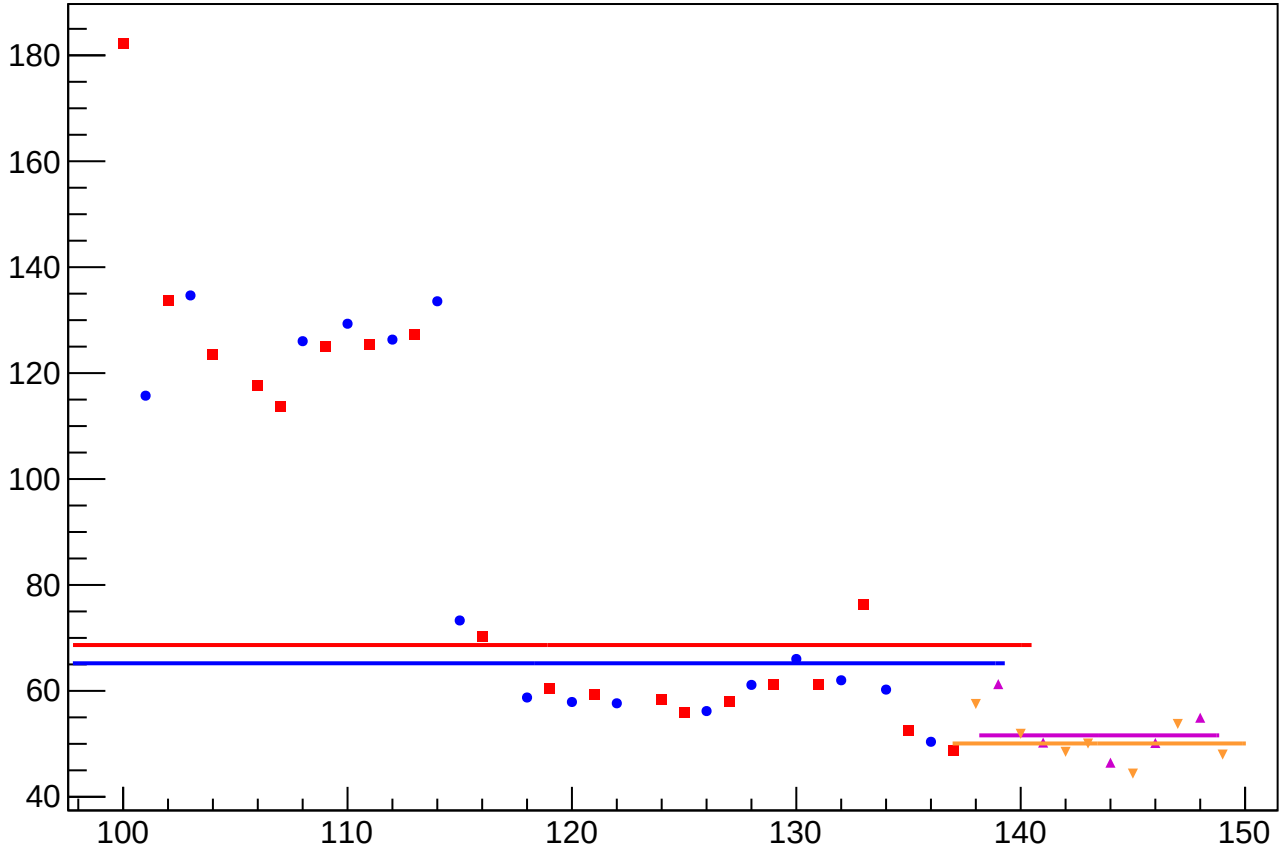
Left In: -44.496+/-24.963 χ^2/NDF:4.5/4

+ sign 60.197+/-16.666 χ^2/NDF: 21.9/22

All: 9.347+/-12.321 χ^2/NDF: 67.5/46

- 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: 50.072+/-0.015 χ^2/NDF:65528.4/6

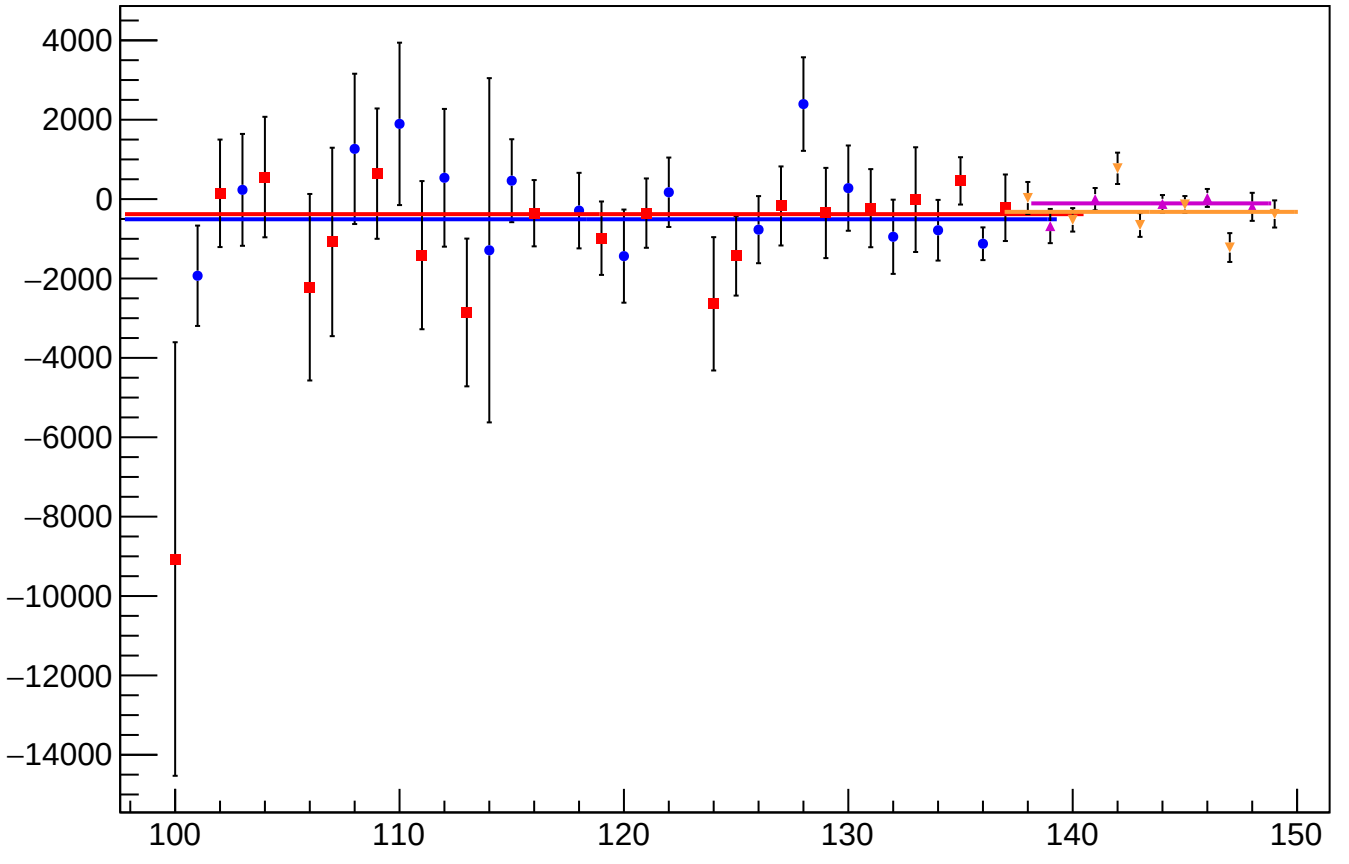
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 51.602+/-0.018 χ^2/NDF:72775.3/4

+ sign 56.399+/-0.012 χ^2/NDF: 1913561.3/22

All: 57.803+/-0.009 χ^2/NDF: 4090536.9/46

- 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: -321.455+/-116.794 χ^2/NDF:17.0/6

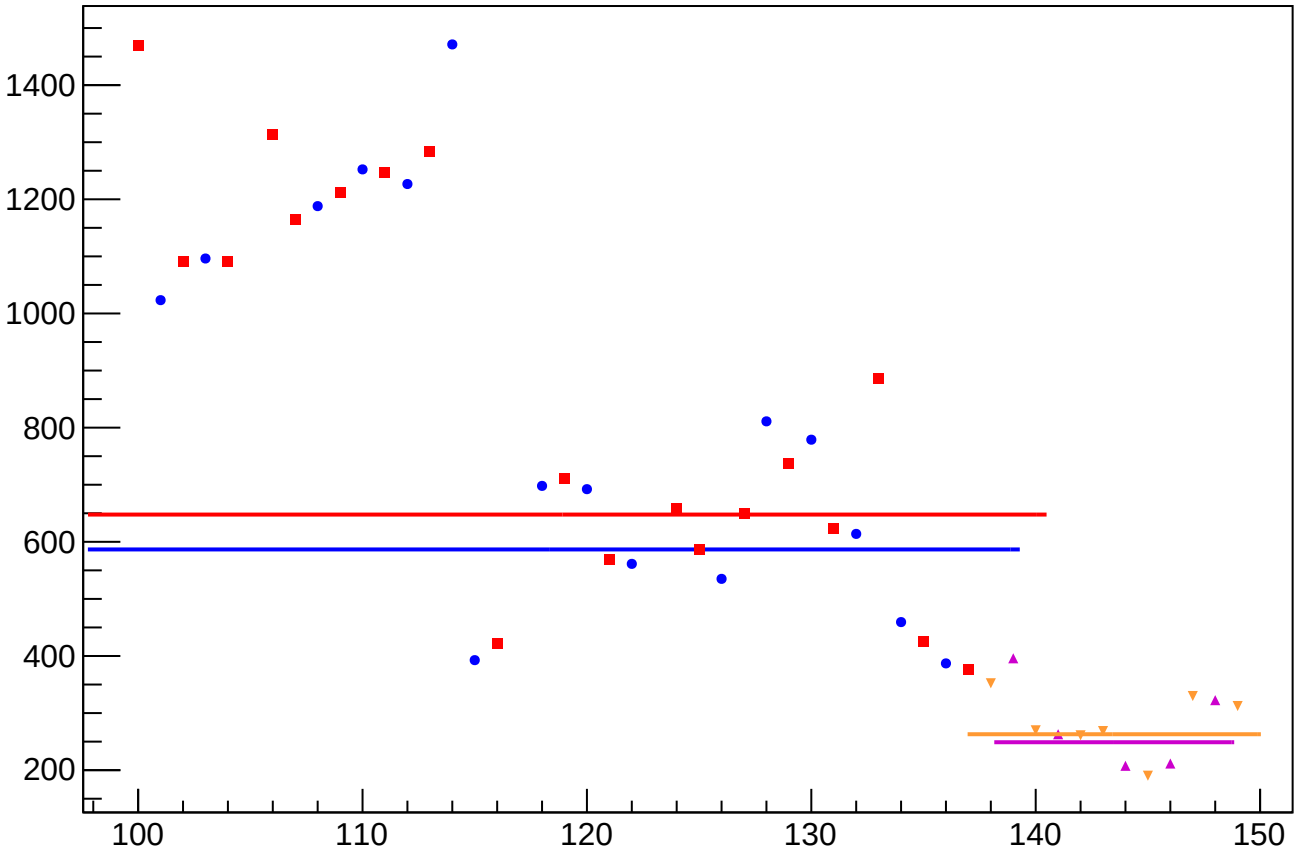
Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: -107.589+/-123.342 χ^2/NDF:2.3/4

+ sign -357.906+/-104.759 χ^2/NDF: 33.2/22

All: -264.134+/-76.235 χ^2/NDF: 49.8/46

- sign -158.571+/-111.151 χ^2/NDF: 15.0/23



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 262.950+/-0.083 χ^2/NDF:441521.5/6

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

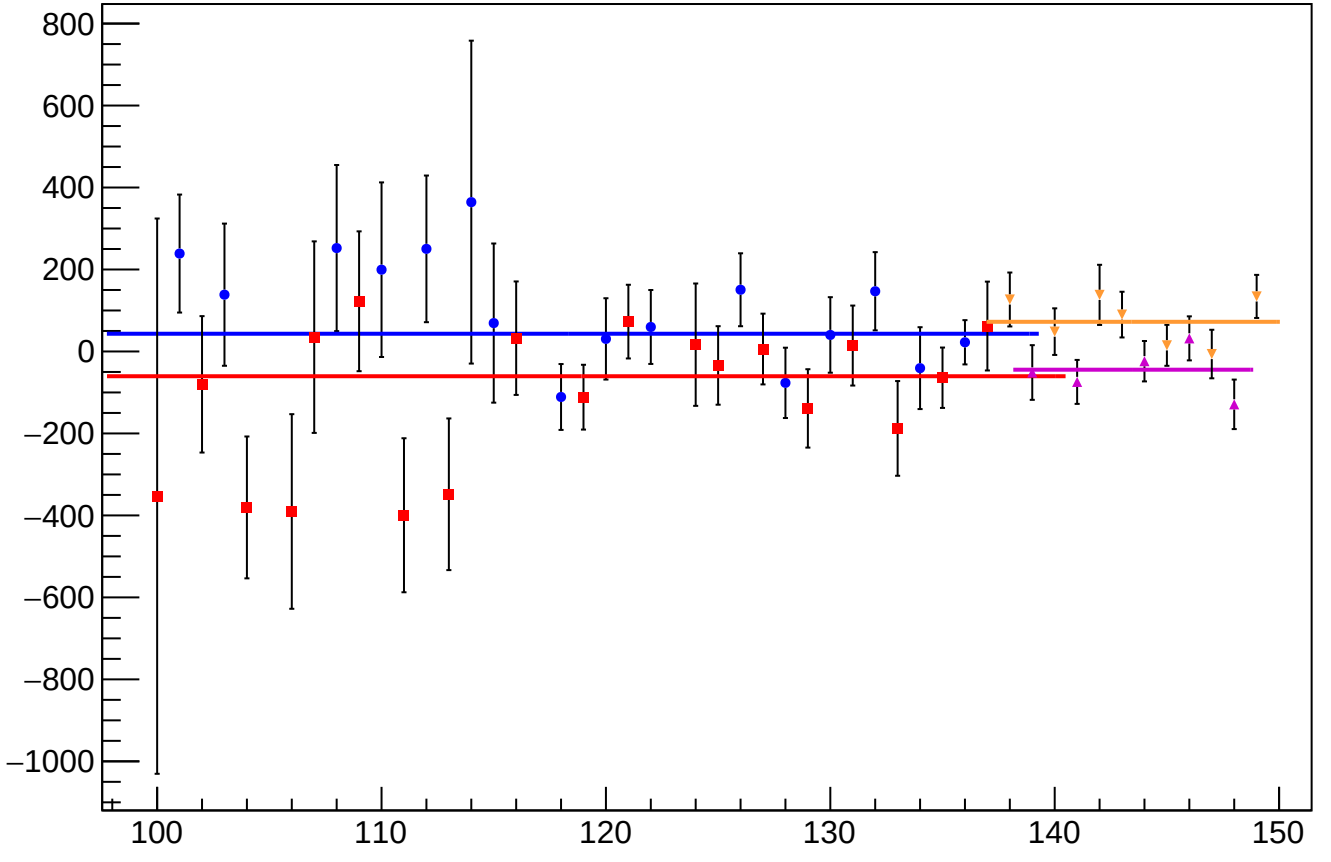
Left In: 248.935+/-0.087 χ^2/NDF:447844.6/4

+ sign 326.223+/-0.074 χ^2/NDF: 5497617.3/22

All: 325.119+/-0.054 χ^2/NDF: 11980581.2/46

- 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: 72.372+/-21.843 χ^2/NDF:6.2/6

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

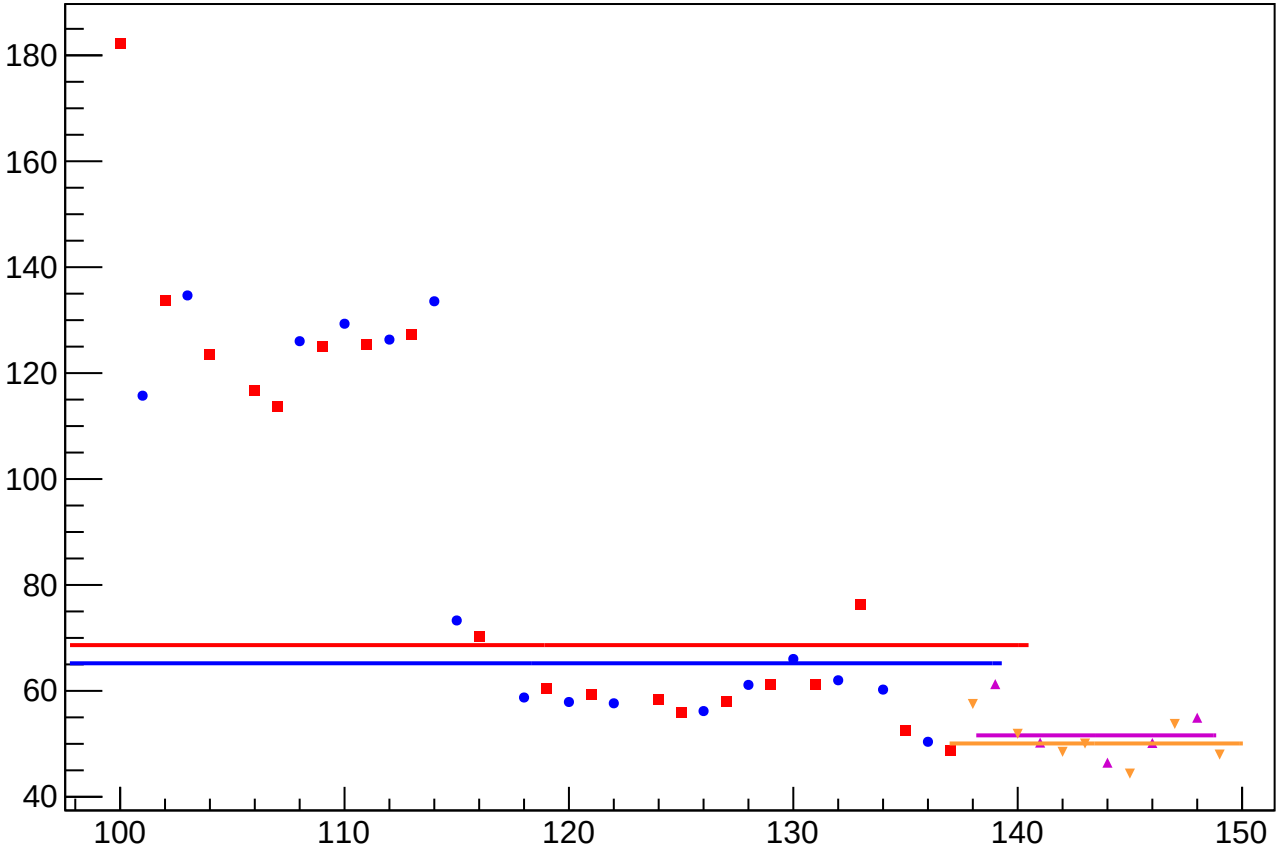
Left In: -44.499+/-24.963 χ^2/NDF:4.5/4

+ sign 60.198+/-16.666 χ^2/NDF: 21.9/22

All: 9.379+/-12.321 χ^2/NDF: 67.4/46

- 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: 50.072+/-0.015 χ^2/NDF:65528.4/6

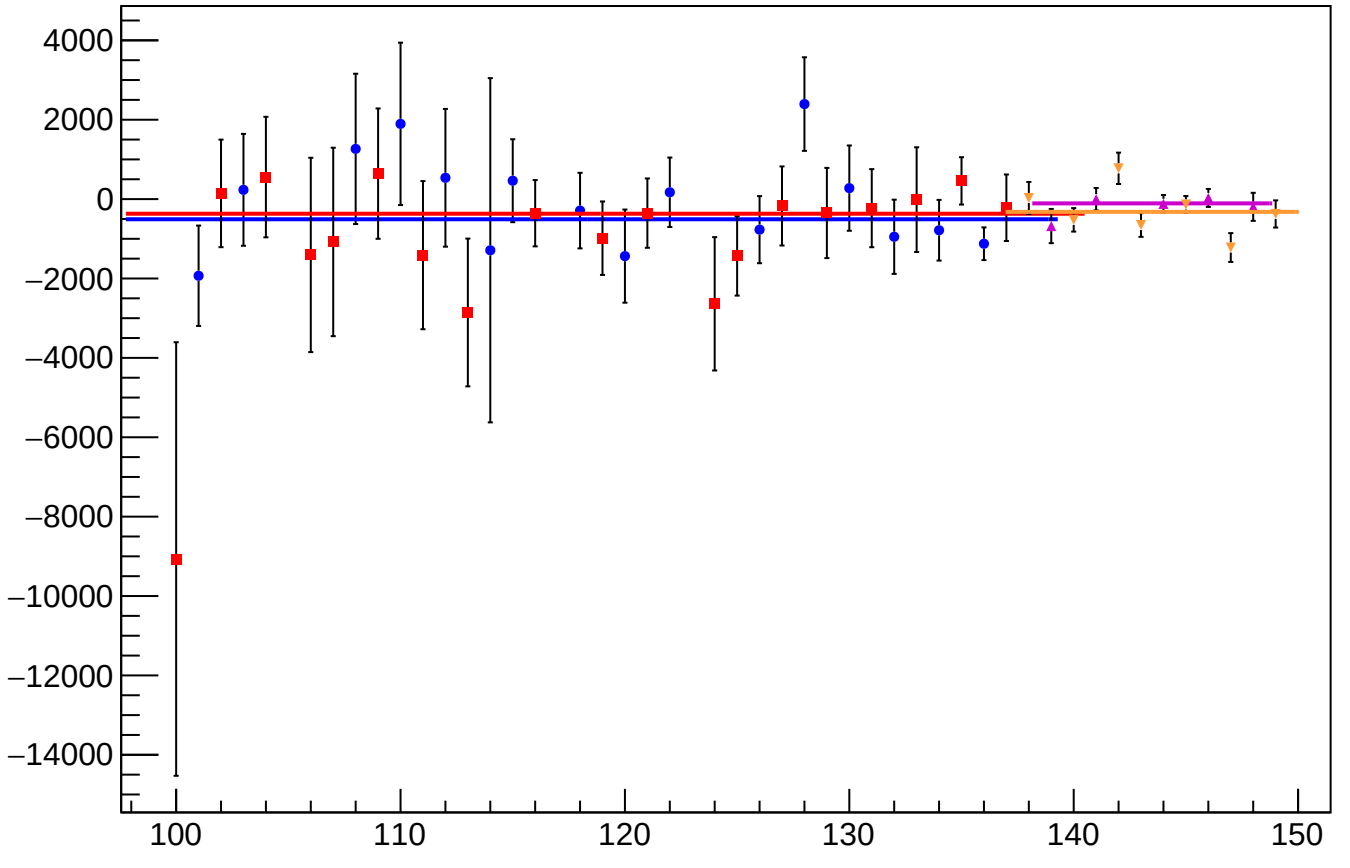
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 51.602+/-0.018 χ^2/NDF:72775.3/4

\+ sign 56.399+/-0.012 χ^2/NDF: 1913563.5/22

All: 57.800+/-0.009 χ^2/NDF: 4086313.3/46

\- 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: -321.449+/-116.794 χ^2/NDF:17.0/6

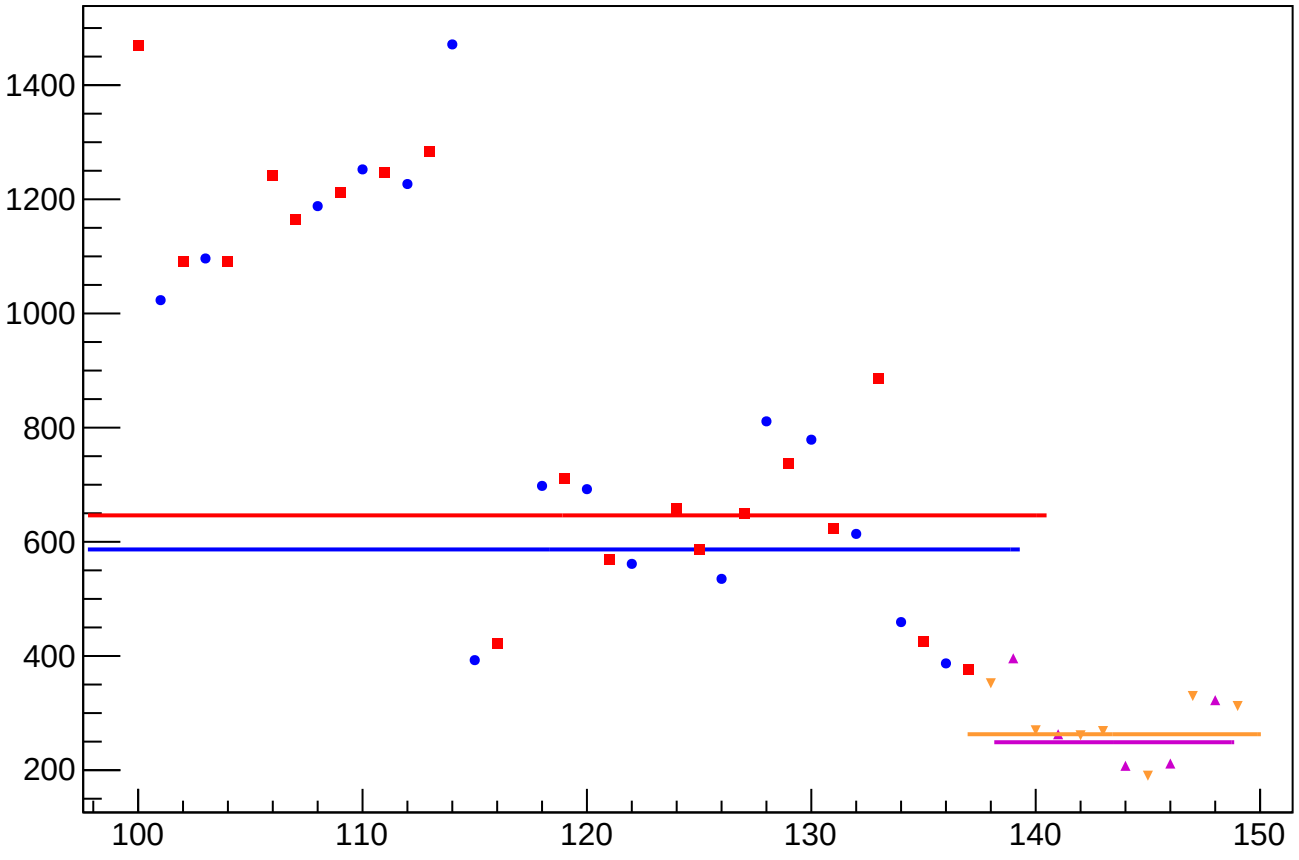
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -107.591+/-123.342 χ^2/NDF:2.3/4

+ sign -357.898+/-104.759 χ^2/NDF: 33.2/22

All: -263.189+/-76.238 χ^2/NDF: 49.4/46

- 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: 262.949+/-0.083 χ^2/NDF:441522.7/6

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

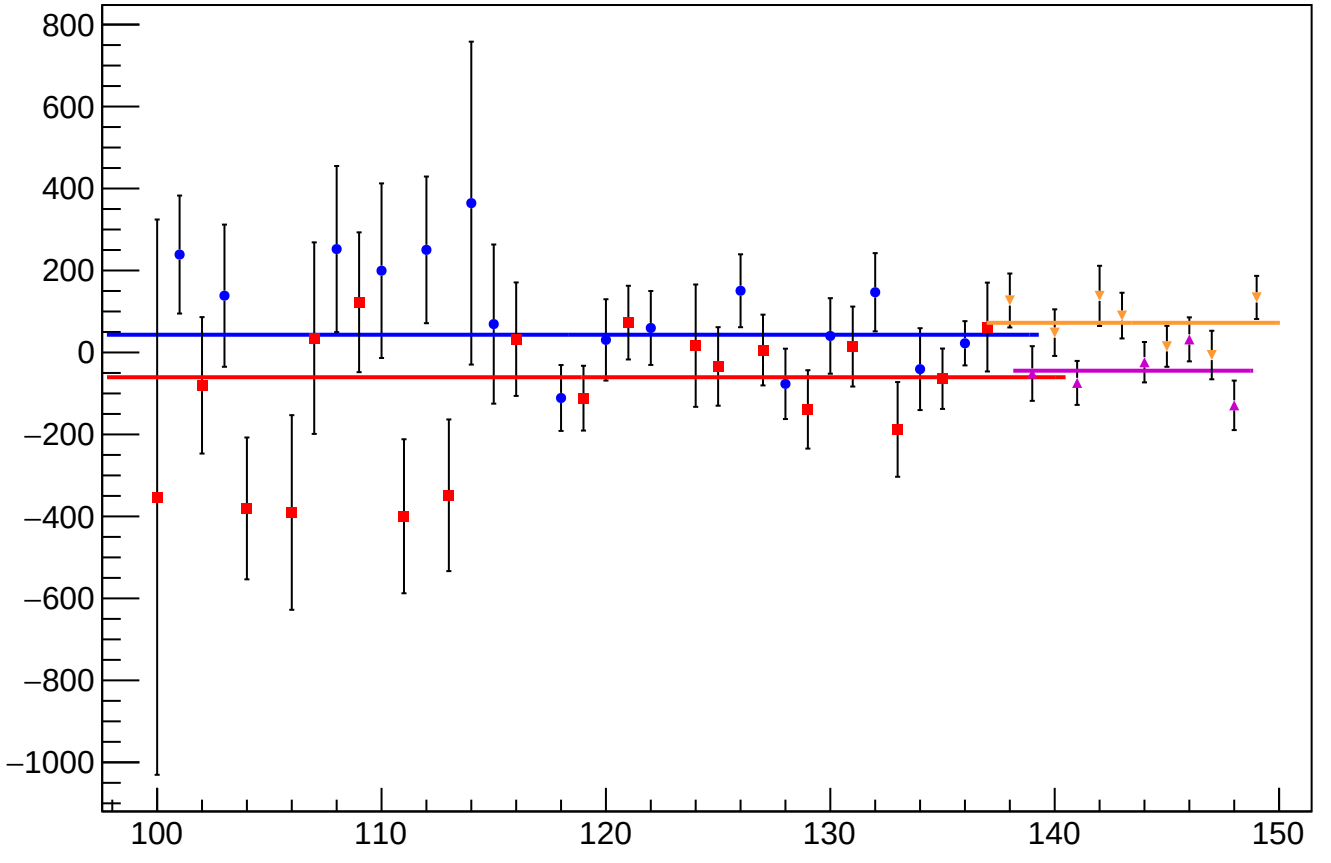
Left In: 248.935+/-0.087 χ^2/NDF:447841.6/4

+ sign 326.223+/-0.074 χ^2/NDF: 5497649.2/22

All: 324.966+/-0.054 χ^2/NDF: 11907463.3/46

- 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: 72.372+/-21.843 χ^2/NDF:6.2/6

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

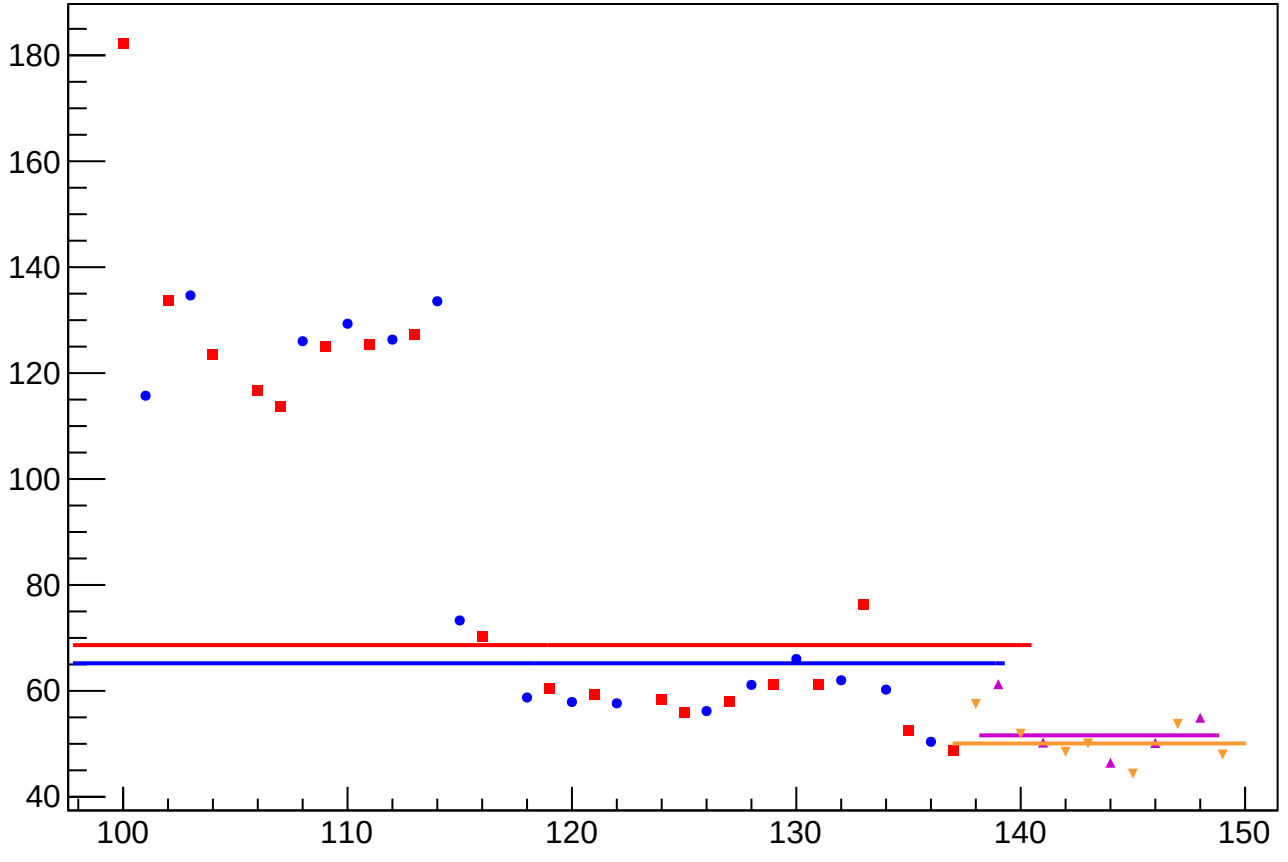
Left In: -44.499+/-24.963 χ^2/NDF:4.5/4

+ sign 60.198+/-16.666 χ^2/NDF: 21.9/22

All: 9.379+/-12.321 χ^2/NDF: 67.4/46

- 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: 50.072+/-0.015 χ^2/NDF:65528.4/6

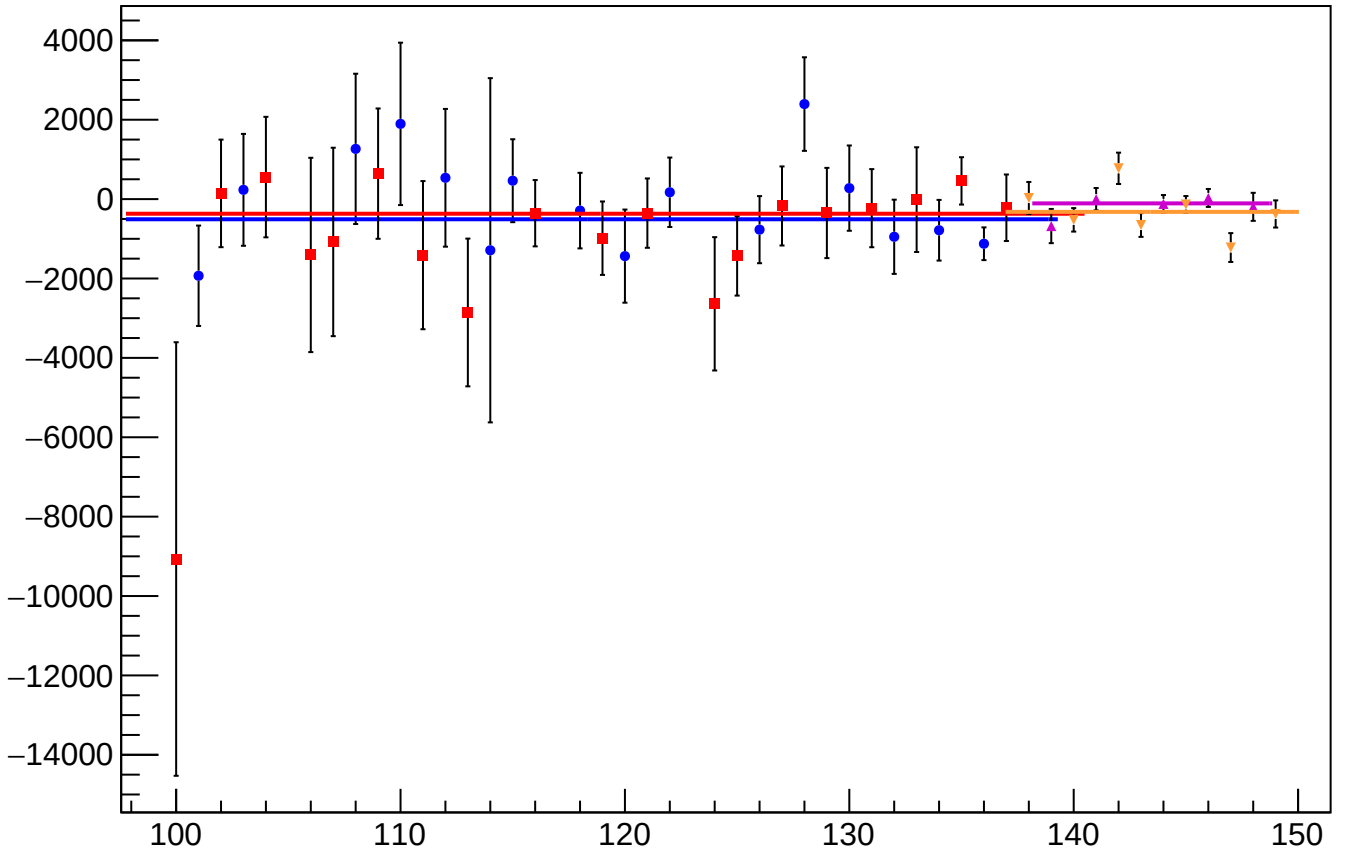
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 51.602+/-0.018 χ^2/NDF:72775.3/4

+ sign 56.399+/-0.012 χ^2/NDF: 1913563.5/22

All: 57.800+/-0.009 χ^2/NDF: 4086313.3/46

- 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: -321.449+/-116.794 χ^2/NDF:17.0/6

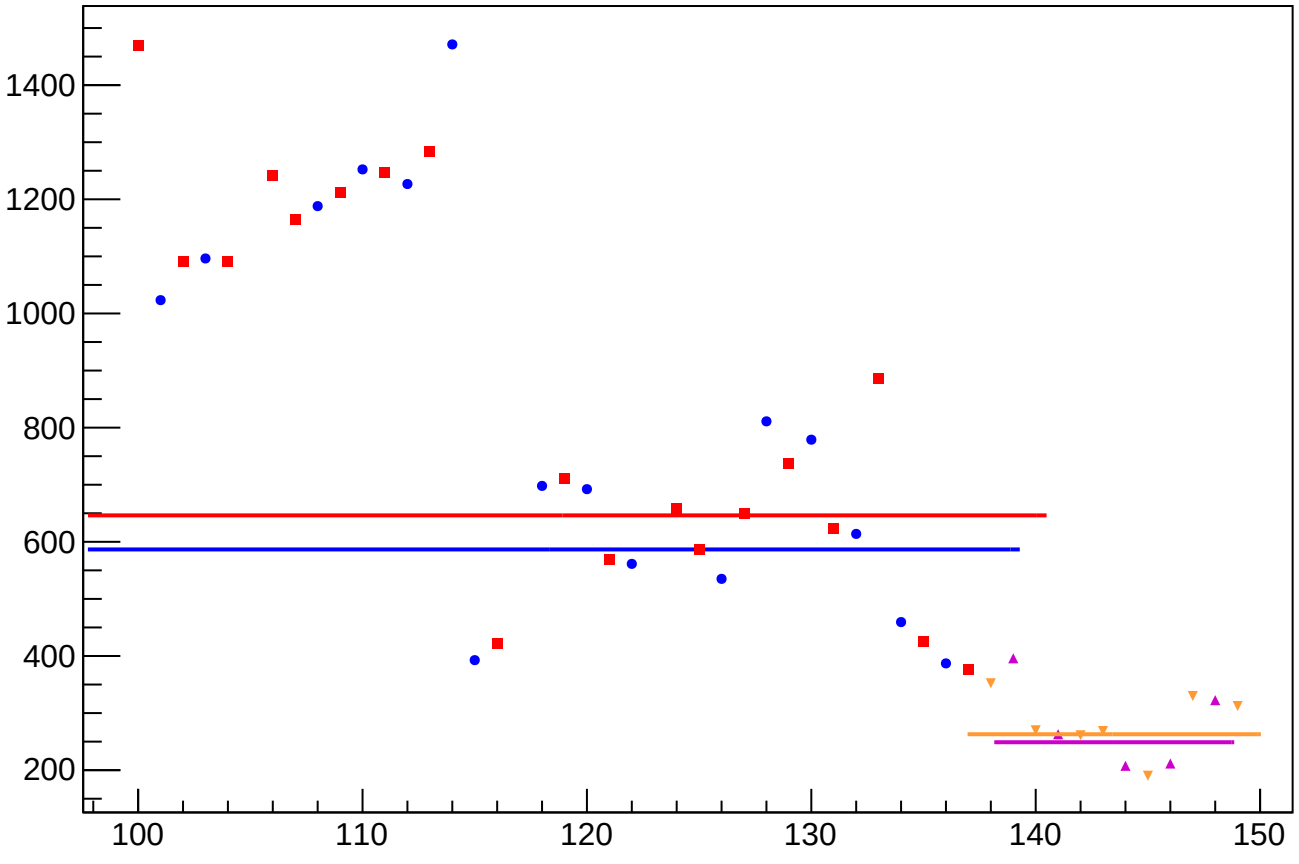
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -107.591+/-123.342 χ^2/NDF:2.3/4

+ sign -357.898+/-104.759 χ^2/NDF: 33.2/22

All: -263.189+/-76.238 χ^2/NDF: 49.4/46

- 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: 262.949+/-0.083 χ^2/NDF:441522.7/6

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

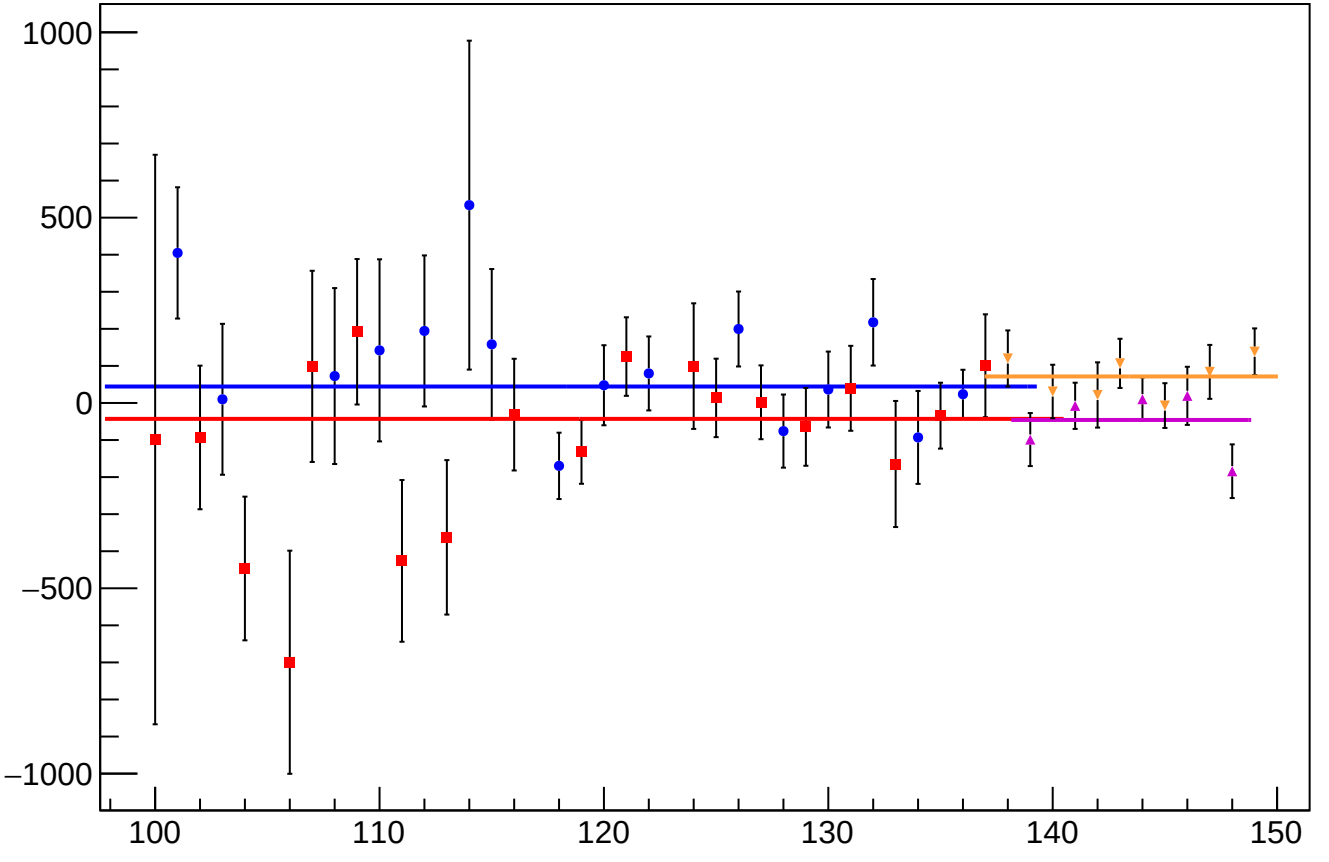
Left In: 248.935+/-0.087 χ^2/NDF:447841.6/4

+ sign 326.223+/-0.074 χ^2/NDF: 5497649.2/22

All: 324.966+/-0.054 χ^2/NDF: 11907463.3/46

- 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: 71.507+/-26.357 χ^2/NDF:4.2/6

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

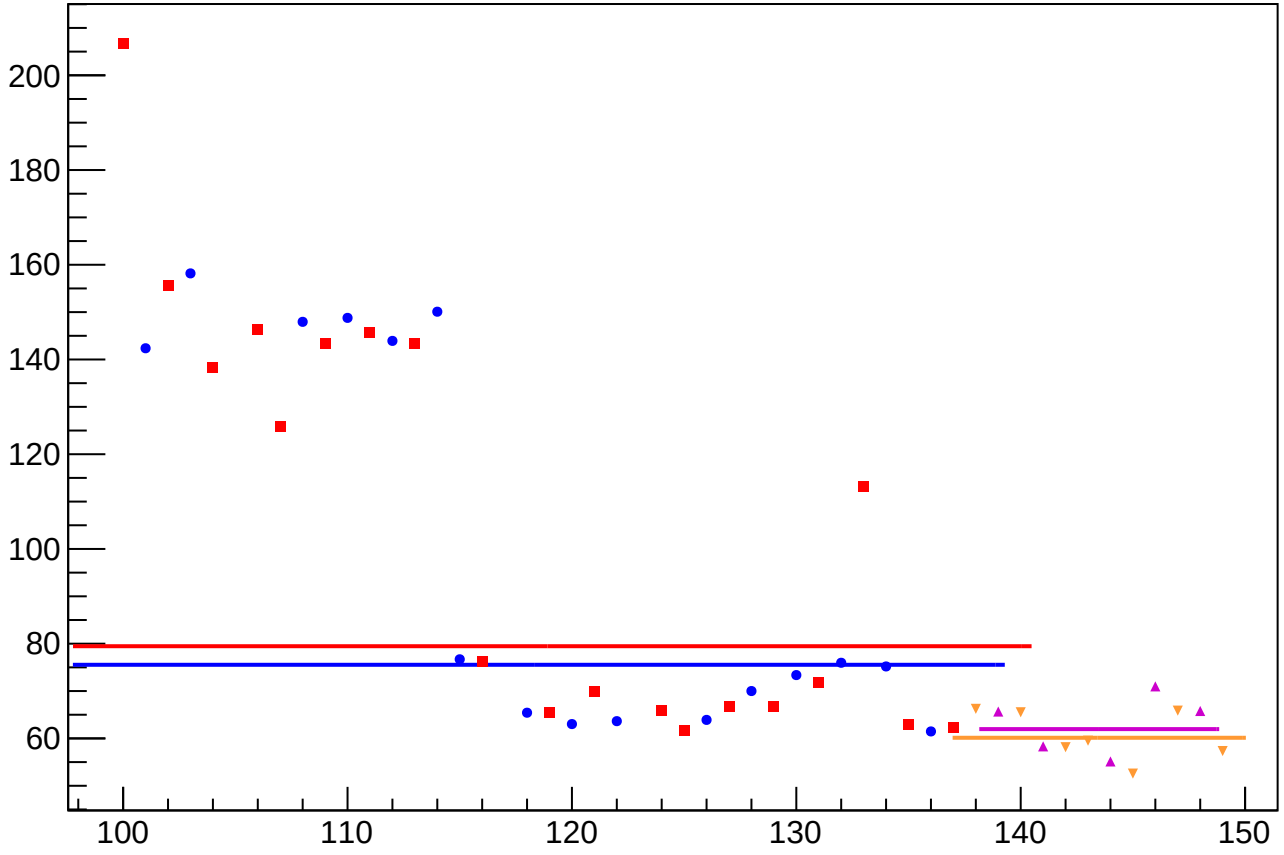
Left In: -45.820+/-30.196 χ^2/NDF:6.2/4

+ sign 59.652+/-19.774 χ^2/NDF: 24.3/22

All: 12.476+/-14.620 χ^2/NDF: 66.3/46

- 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: 60.136+/-0.019 χ^2/NDF:73136.4/6

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

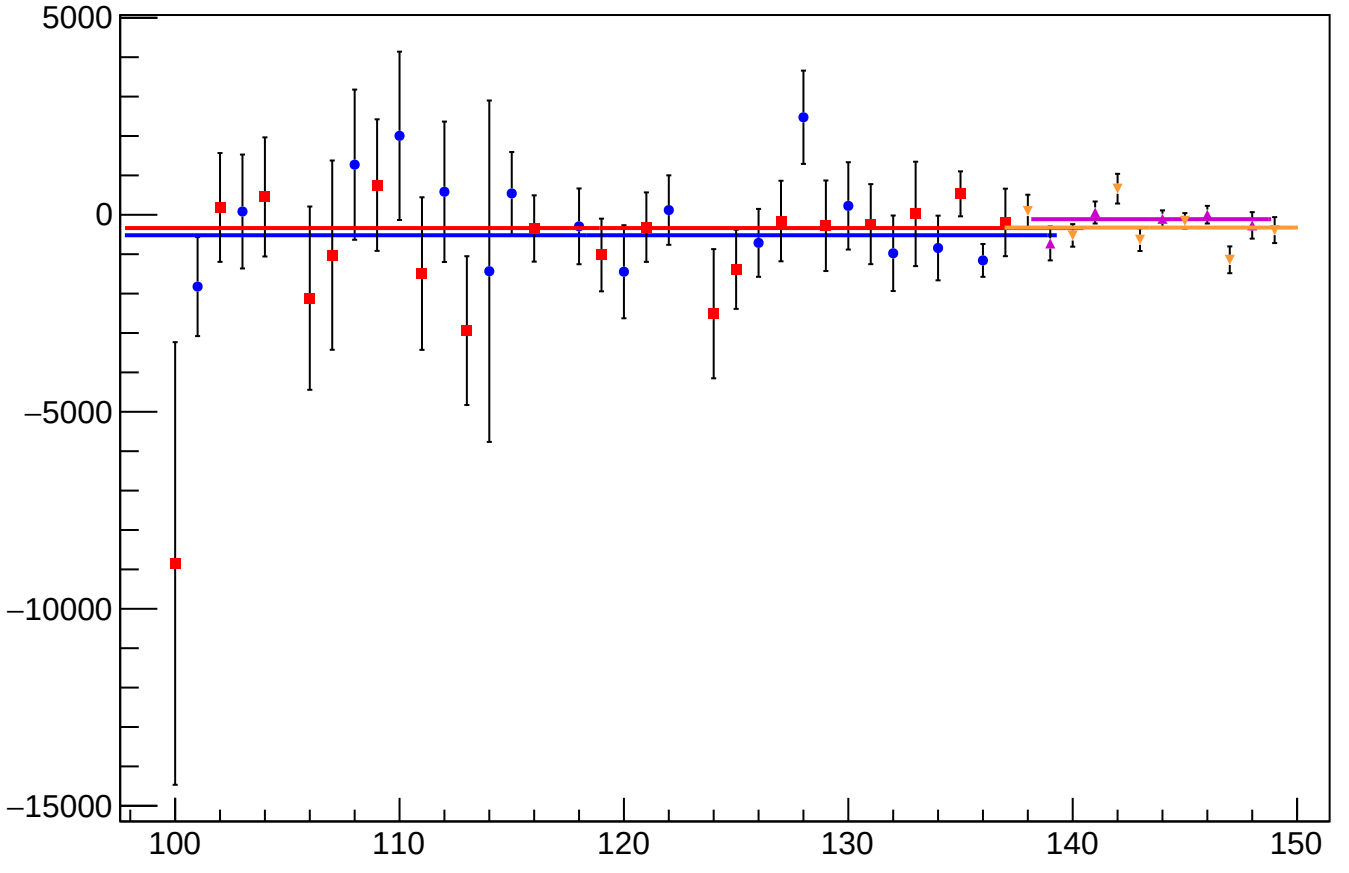
Left In: 61.966+/-0.021 χ^2/NDF:71332.1/4

+ sign 66.872+/-0.014 χ^2/NDF: 1837467.2/22

All: 68.479+/-0.010 χ^2/NDF: 3945915.3/46

- sign 70.416+/-0.015 χ^2/NDF: 2079313.1/23

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -324.391+/-111.043 χ^2/NDF:16.1/6

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

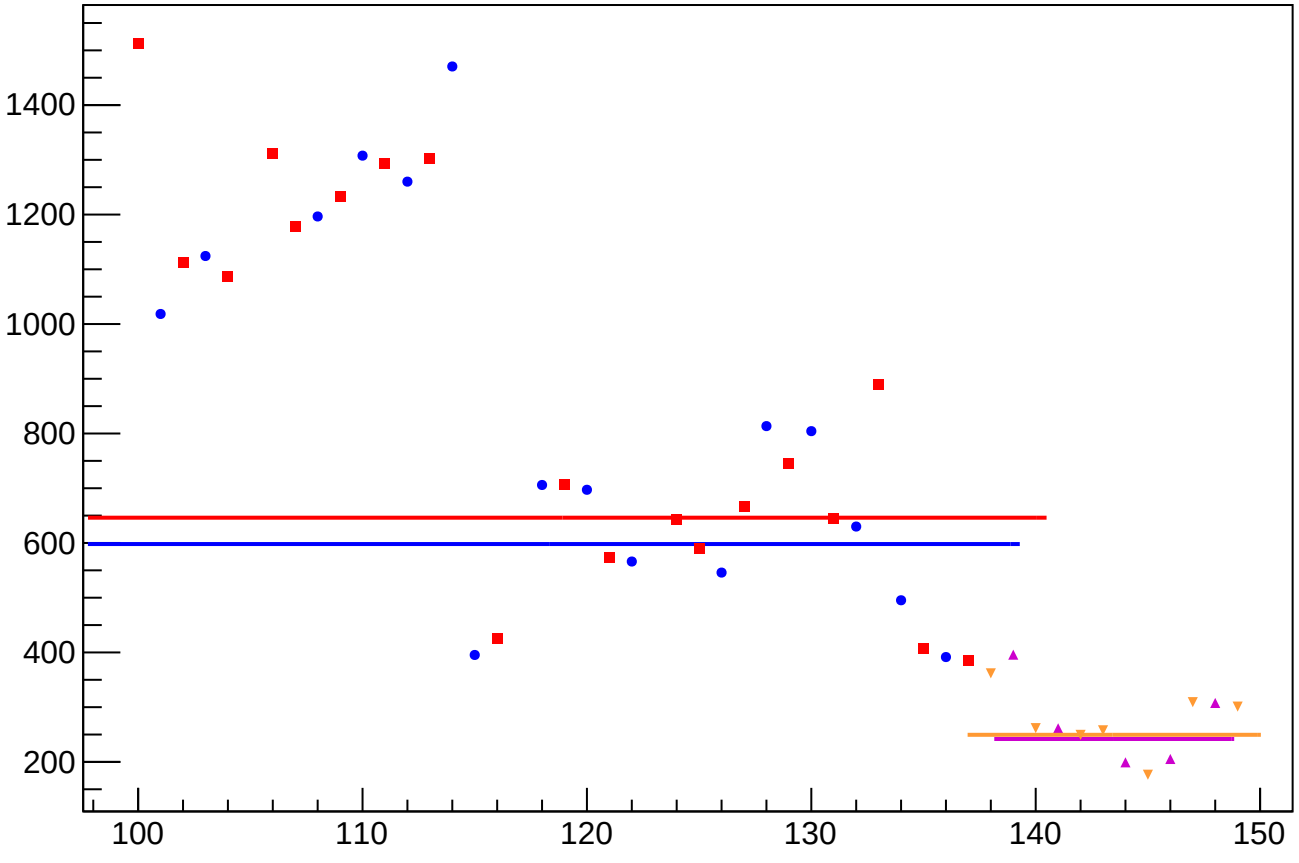
Left In: -111.614+/-120.413 χ^2/NDF:2.9/4

+ sign -358.441+/-100.876 χ^2/NDF: 32.5/22

All: -263.318+/-74.039 χ^2/NDF: 49.8/46

- sign -152.236+/-109.009 χ^2/NDF: 15.4/23

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 249.521+/-0.079 χ^2/NDF:538893.9/6

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

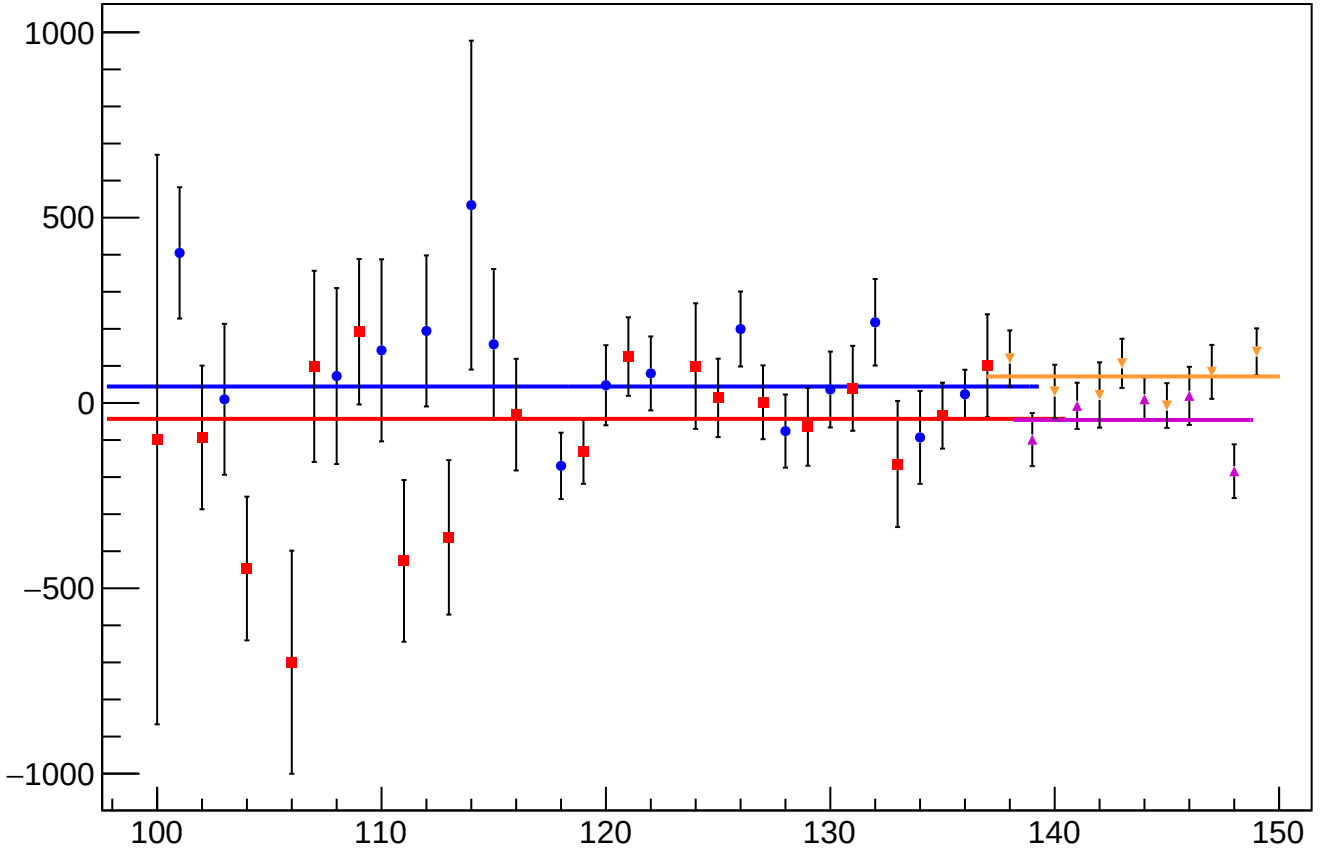
Left In: 241.851+/-0.085 χ^2/NDF:475079.1/4

+ sign 310.423+/-0.071 χ^2/NDF: 6029496.1/22

All: 312.448+/-0.052 χ^2/NDF: 12781100.6/46

- 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: 71.506+/-26.357 χ^2/NDF:4.2/6

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

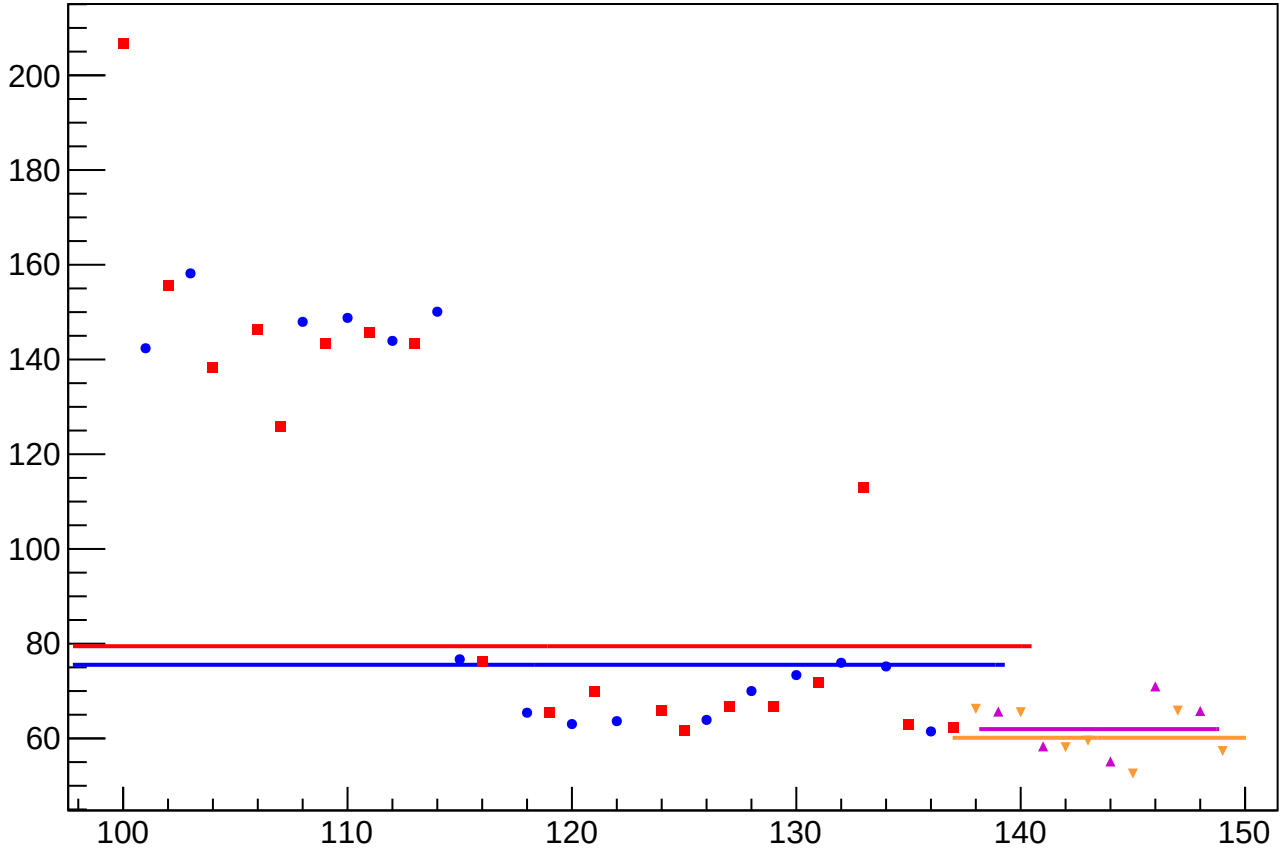
Left In: -45.821+/-30.196 χ^2/NDF:6.2/4

+ sign 59.652+/-19.774 χ^2/NDF: 24.3/22

All: 12.476+/-14.620 χ^2/NDF: 66.3/46

- 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: 60.136+/-0.019 χ^2/NDF:73131.7/6

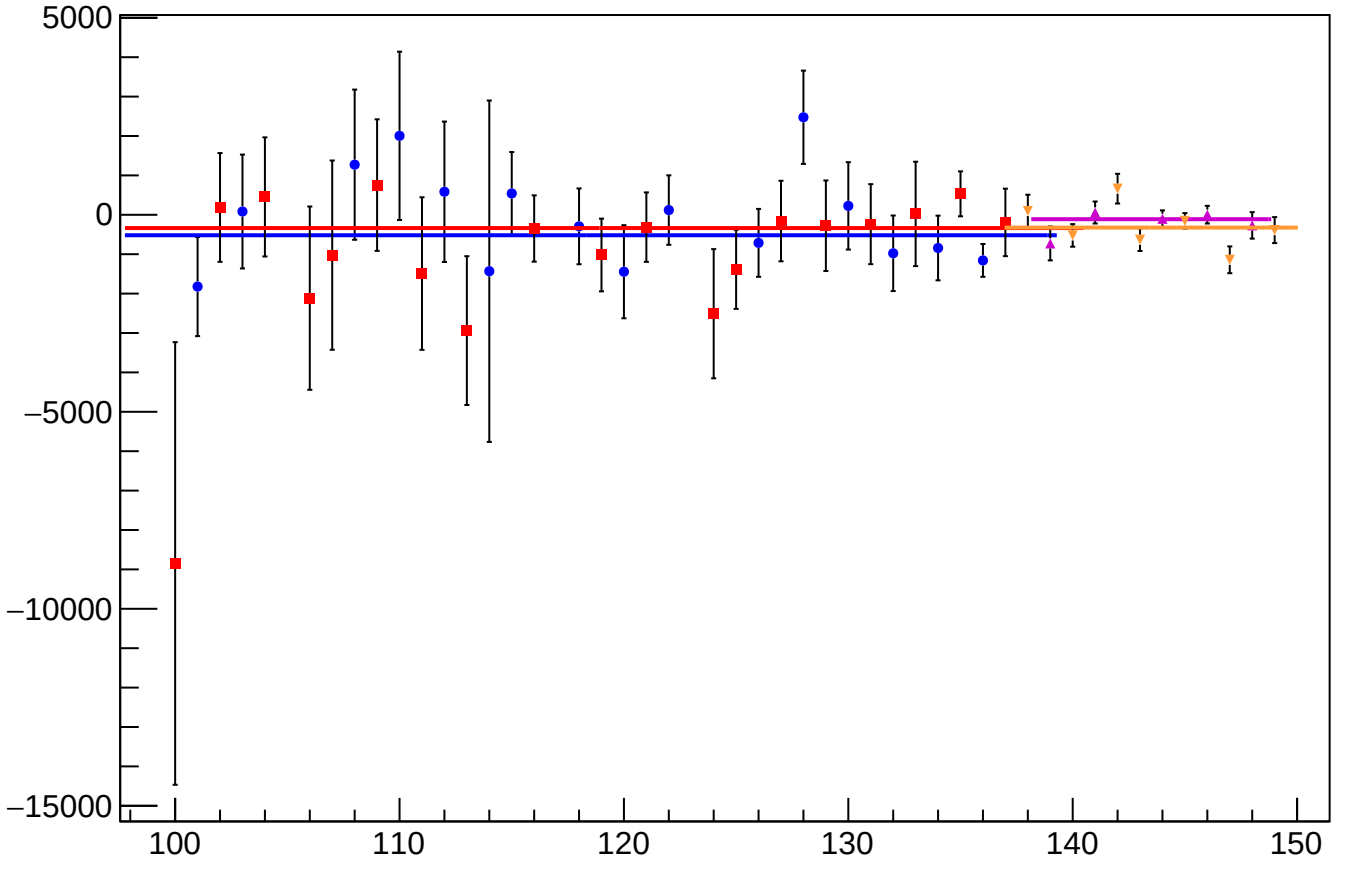
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 61.966+/-0.021 χ^2/NDF:71331.3/4

+ sign 66.872+/-0.014 χ^2/NDF: 1837426.9/22

All: 68.479+/-0.010 χ^2/NDF: 3945848.2/46

- 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: -324.392+/-111.043 χ^2/NDF:16.1/6

Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

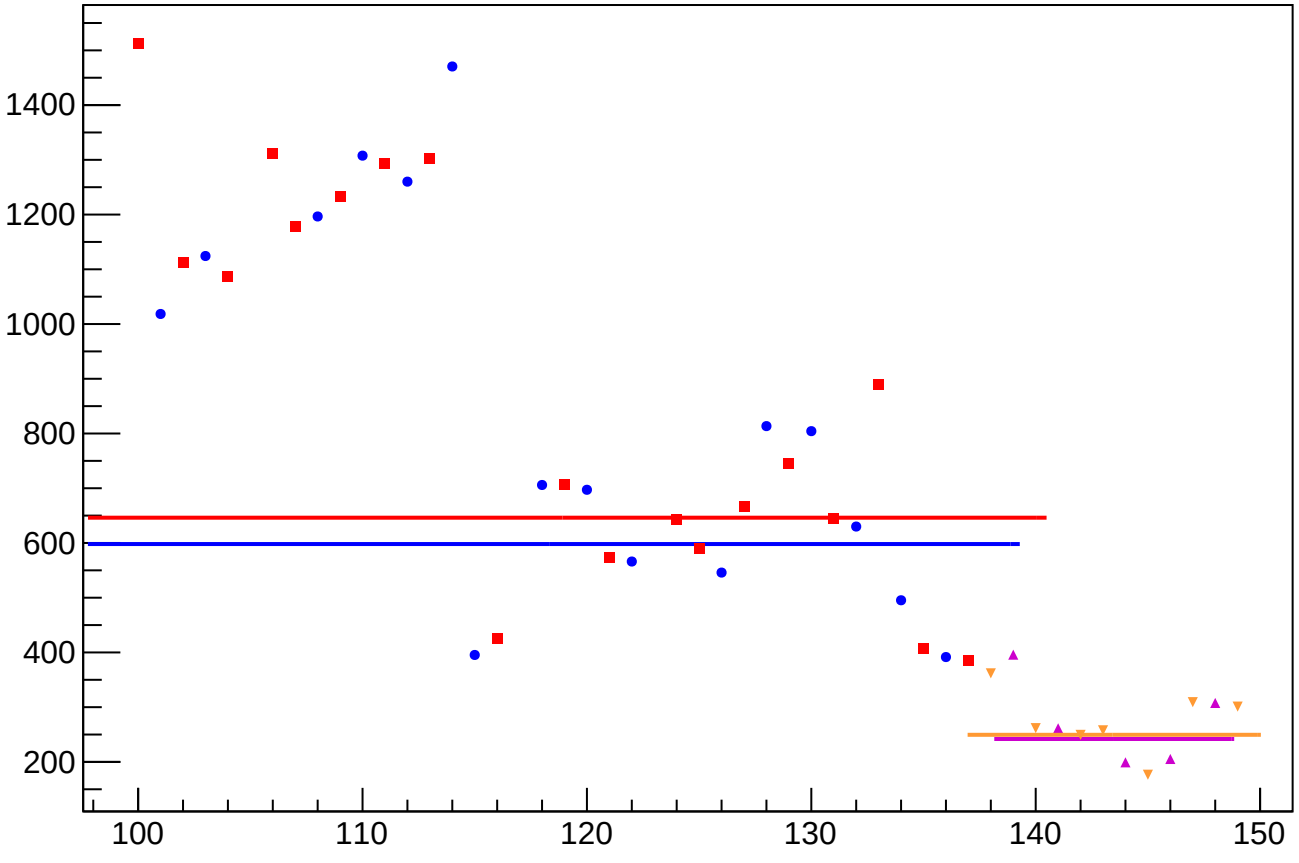
Left In: -111.615+/-120.413 χ^2/NDF:2.9/4

+ sign -358.442+/-100.876 χ^2/NDF: 32.5/22

All: -263.318+/-74.038 χ^2/NDF: 49.8/46

- sign -152.237+/-109.009 χ^2/NDF: 15.4/23

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 249.520+/-0.079 χ^2/NDF:538894.9/6

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

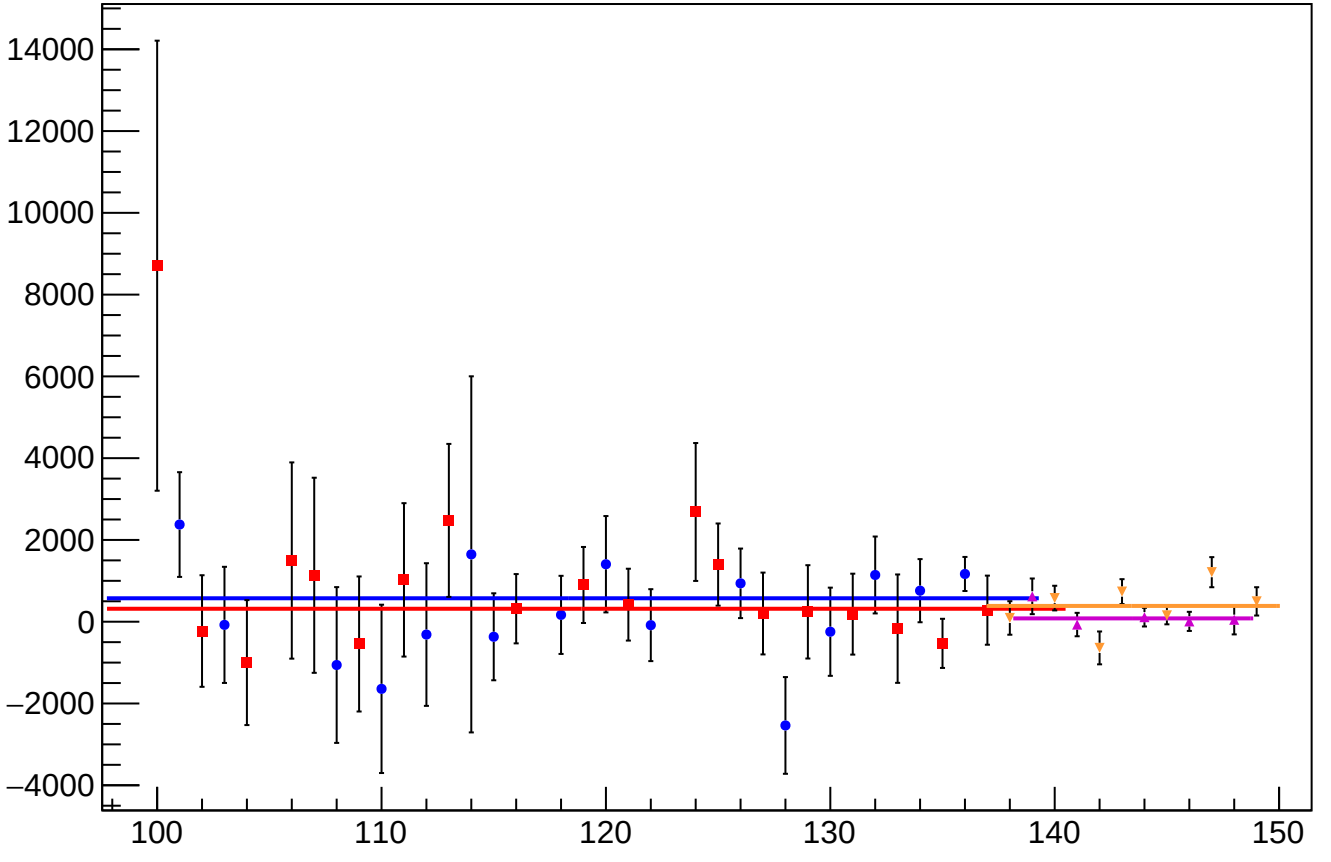
Left In: 241.851+/-0.085 χ^2/NDF:475074.5/4

+ sign 310.422+/-0.071 χ^2/NDF: 6029491.7/22

All: 312.448+/-0.052 χ^2/NDF: 12781082.5/46

- 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: 386.007+/-119.064 χ^2/NDF:15.0/6

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

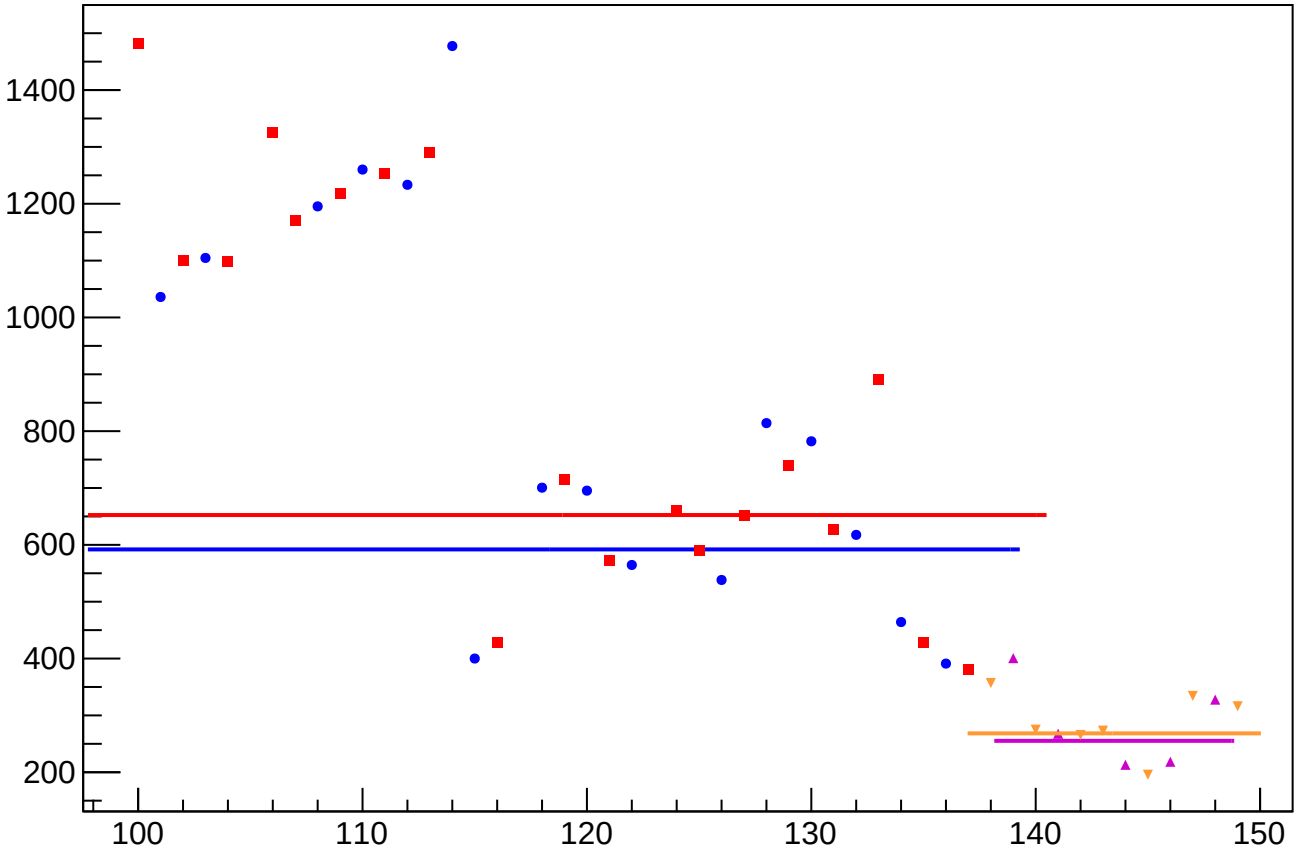
Left In: 81.115+/-126.280 χ^2/NDF:1.9/4

+ sign 423.281+/-106.565 χ^2/NDF: 32.1/22

All: 284.208+/-77.670 χ^2/NDF: 49.3/46

- 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: 268.390+/-0.084 χ^2/NDF:417359.4/6

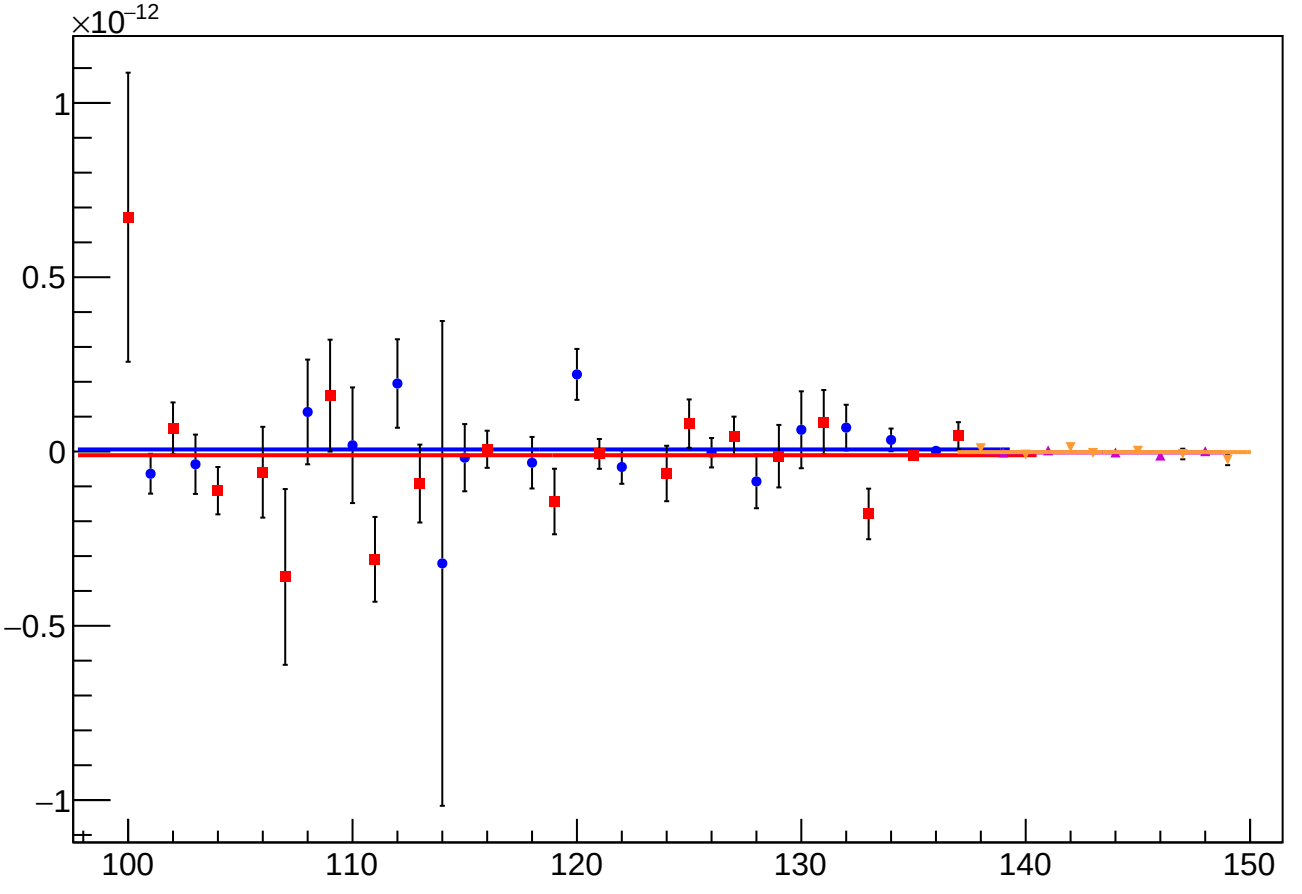
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 255.261+/-0.089 χ^2/NDF:425436.9/4

+ sign 332.763+/-0.075 χ^2/NDF: 5391797.9/22

All: 332.364+/-0.055 χ^2/NDF: 11725723.3/46

- 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:5.4/6

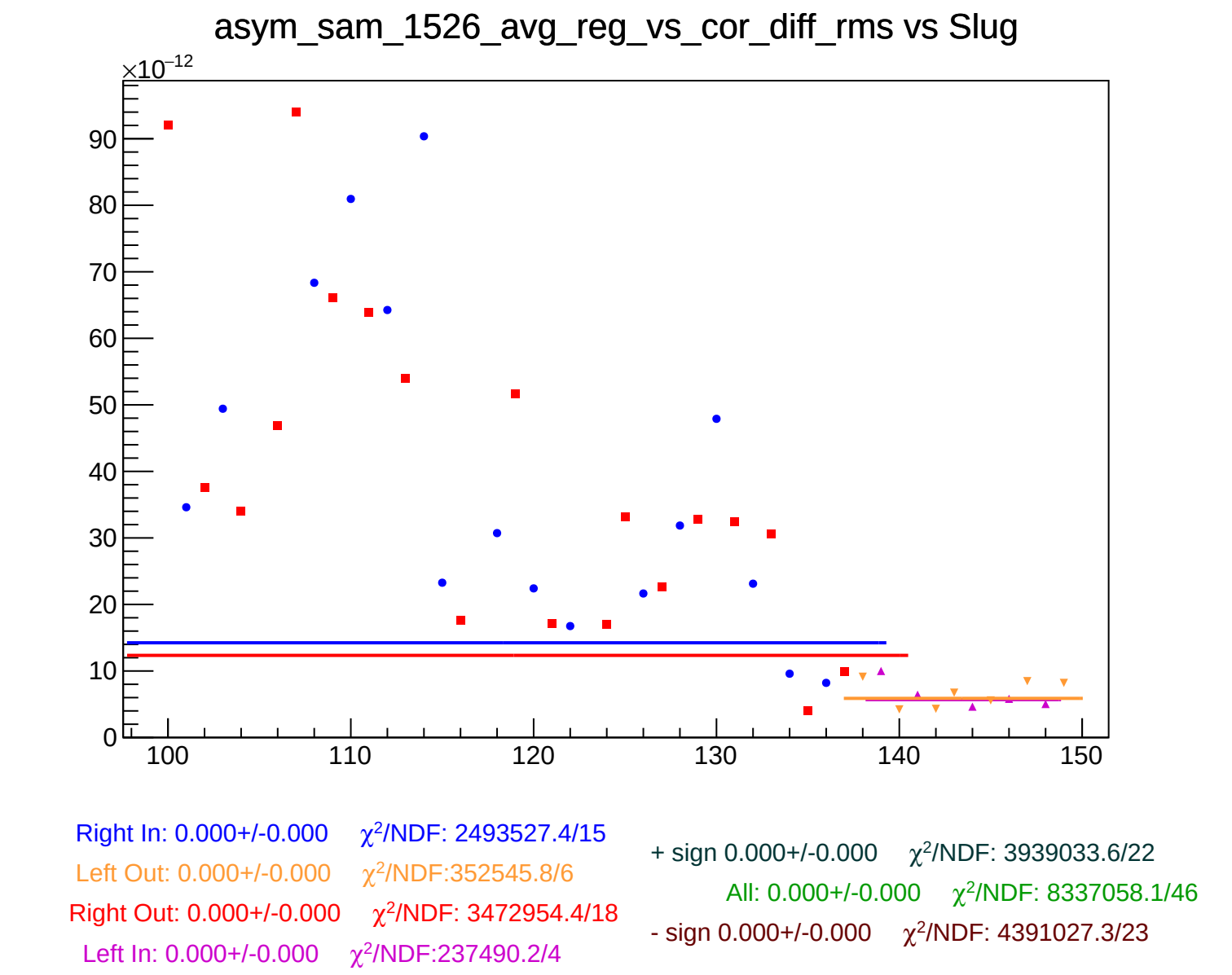
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 24.2/22

All: -0.000+/-0.000 χ^2/NDF: 55.6/46

- 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
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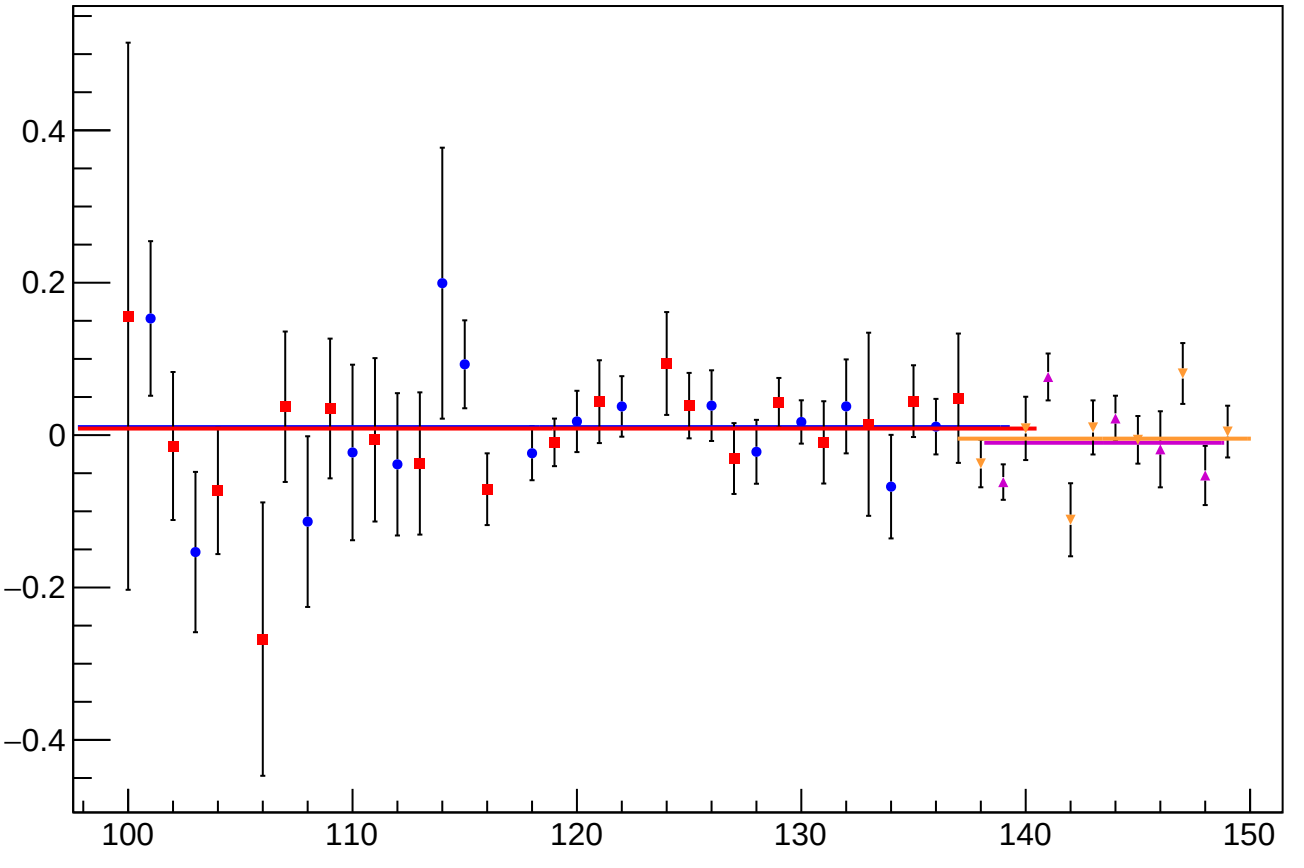
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:352545.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:237490.2/4
+ sign 0.000+/-0.000 χ²/NDF: 3939033.6/22
All: 0.000+/-0.000 χ²/NDF: 8337058.1/46
- sign 0.000+/-0.000 χ²/NDF: 4391027.3/23



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.005+/-0.014 χ^2/NDF:11.0/6

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

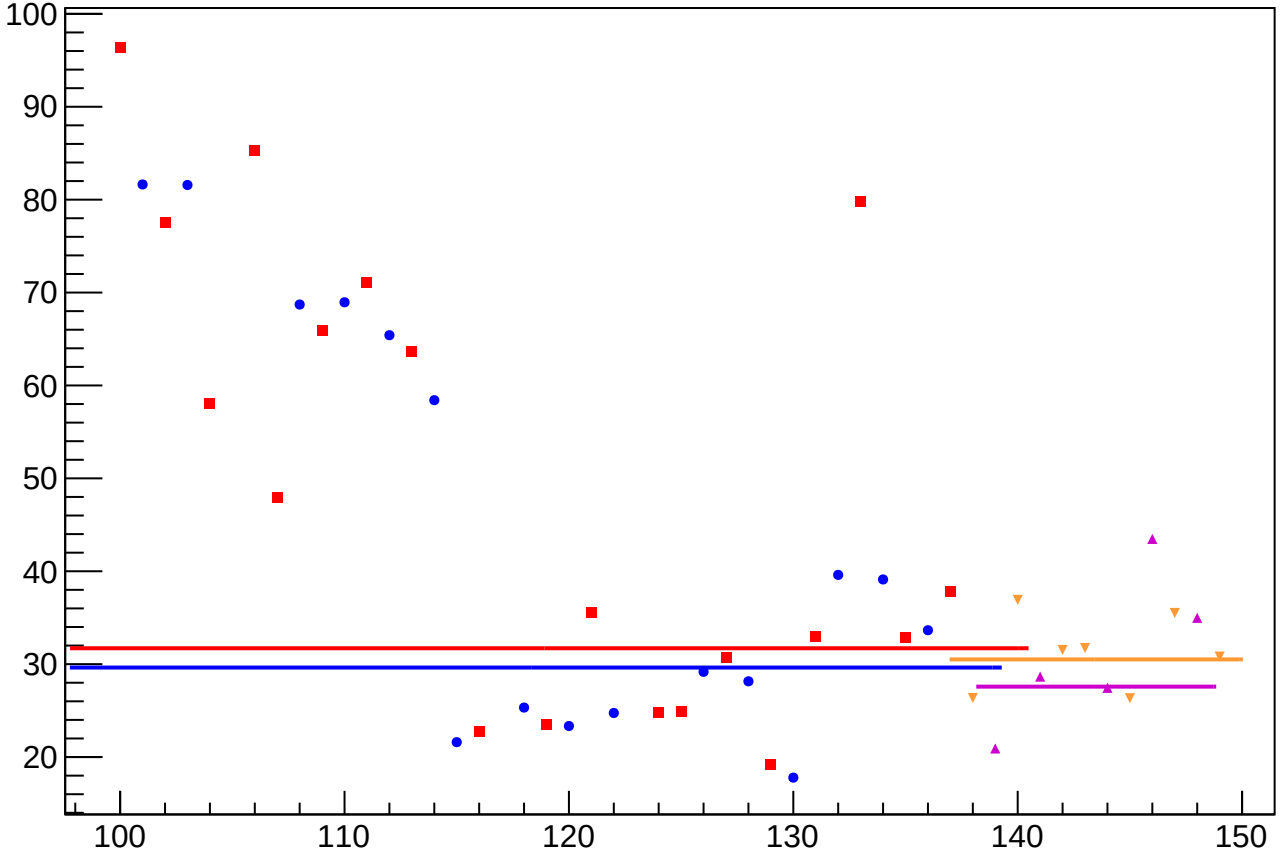
Left In: -0.010+/-0.014 χ^2/NDF:15.2/4

+ sign 0.004+/-0.009 χ^2/NDF: 24.8/22

All: 0.002+/-0.007 χ^2/NDF: 53.4/46

- 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: 30.512+/-0.010 χ^2/NDF:153341.6/6

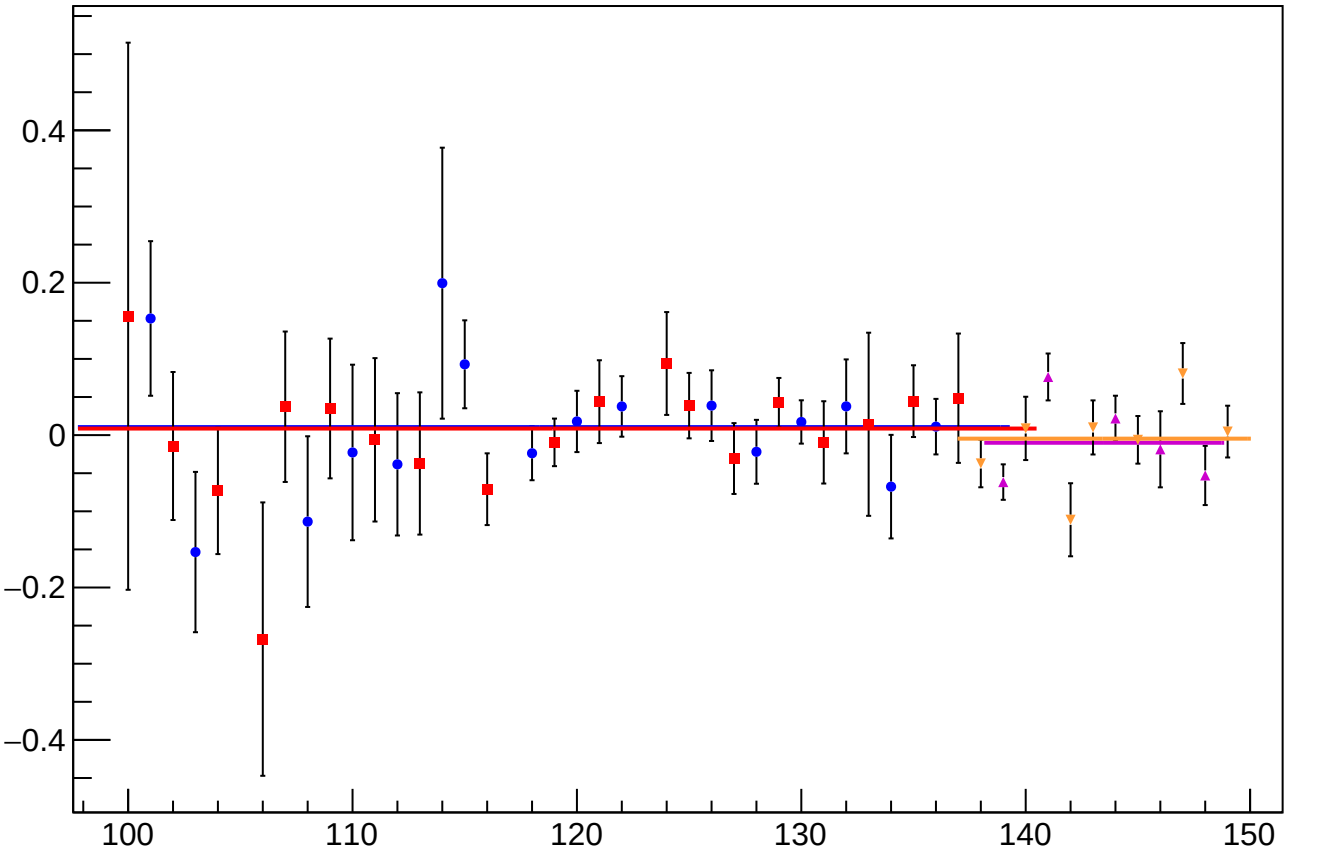
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.580+/-0.010 χ^2/NDF:441553.2/4

+ sign 30.036+/-0.007 χ^2/NDF: 2606276.3/22

All: 29.905+/-0.005 χ^2/NDF: 5791966.6/46

- 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: -0.005+/-0.014 χ^2/NDF:11.0/6

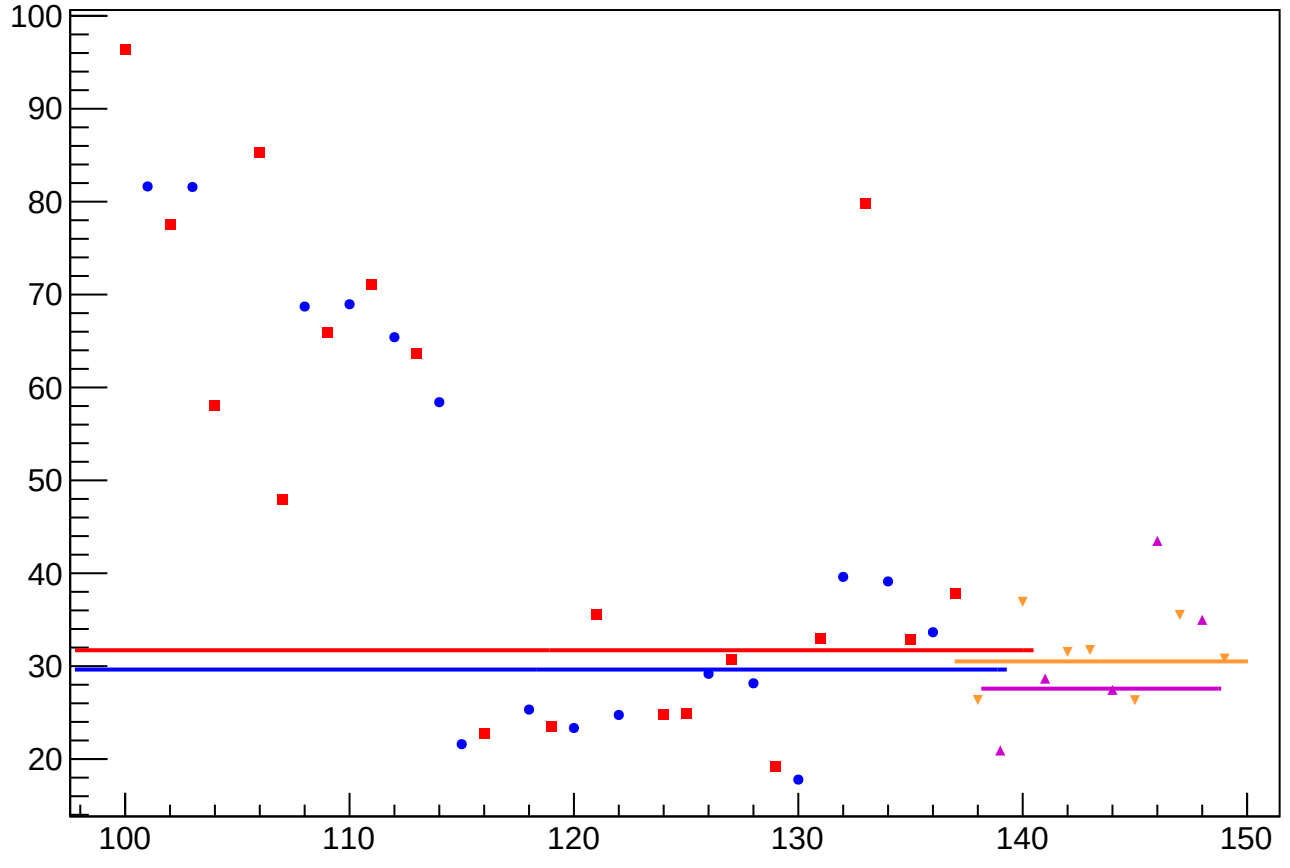
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.010+/-0.014 χ^2/NDF:15.2/4

+ sign 0.004+/-0.009 χ^2/NDF: 24.8/22

All: 0.002+/-0.007 χ^2/NDF: 53.4/46

- 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: 30.512+/-0.010 χ^2/NDF:153341.6/6

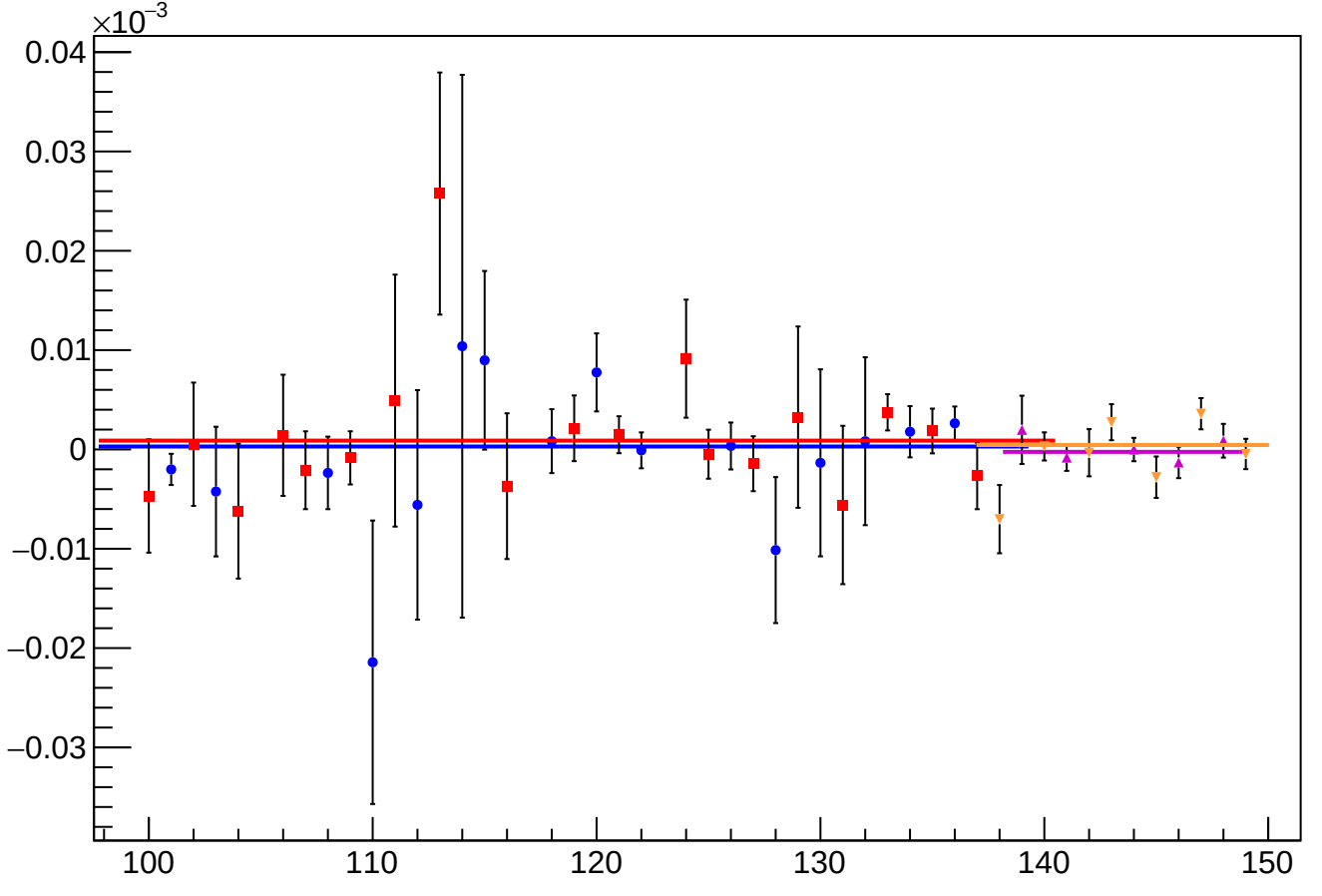
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.580+/-0.010 χ^2/NDF:441553.2/4

+ sign 30.036+/-0.007 χ^2/NDF: 2606276.3/22

All: 29.905+/-0.005 χ^2/NDF: 5791966.6/46

- 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:13.2/6

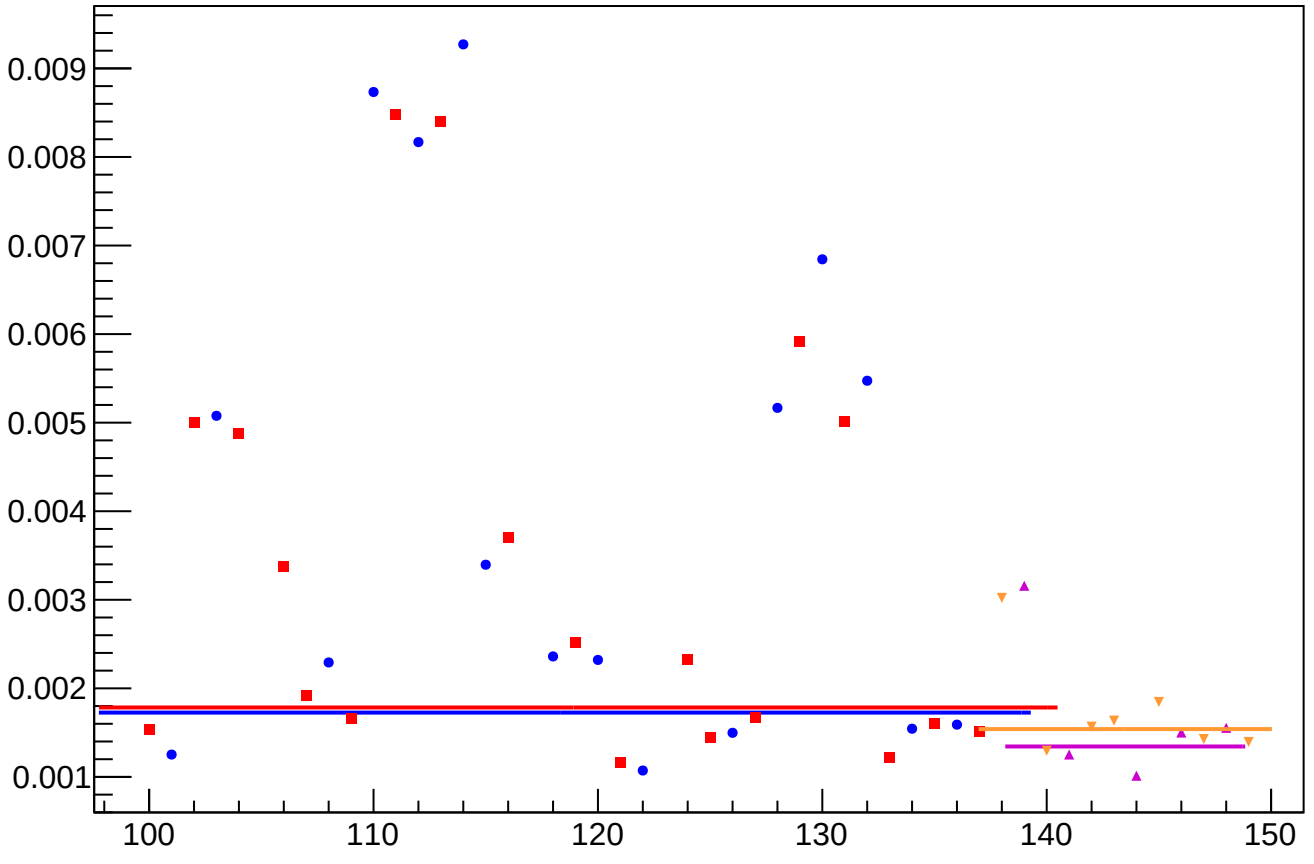
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

+ sign 0.000+/-0.000 χ^2/NDF: 28.1/22

All: 0.000+/-0.000 χ^2/NDF: 46.2/46

- 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:508650.5/6

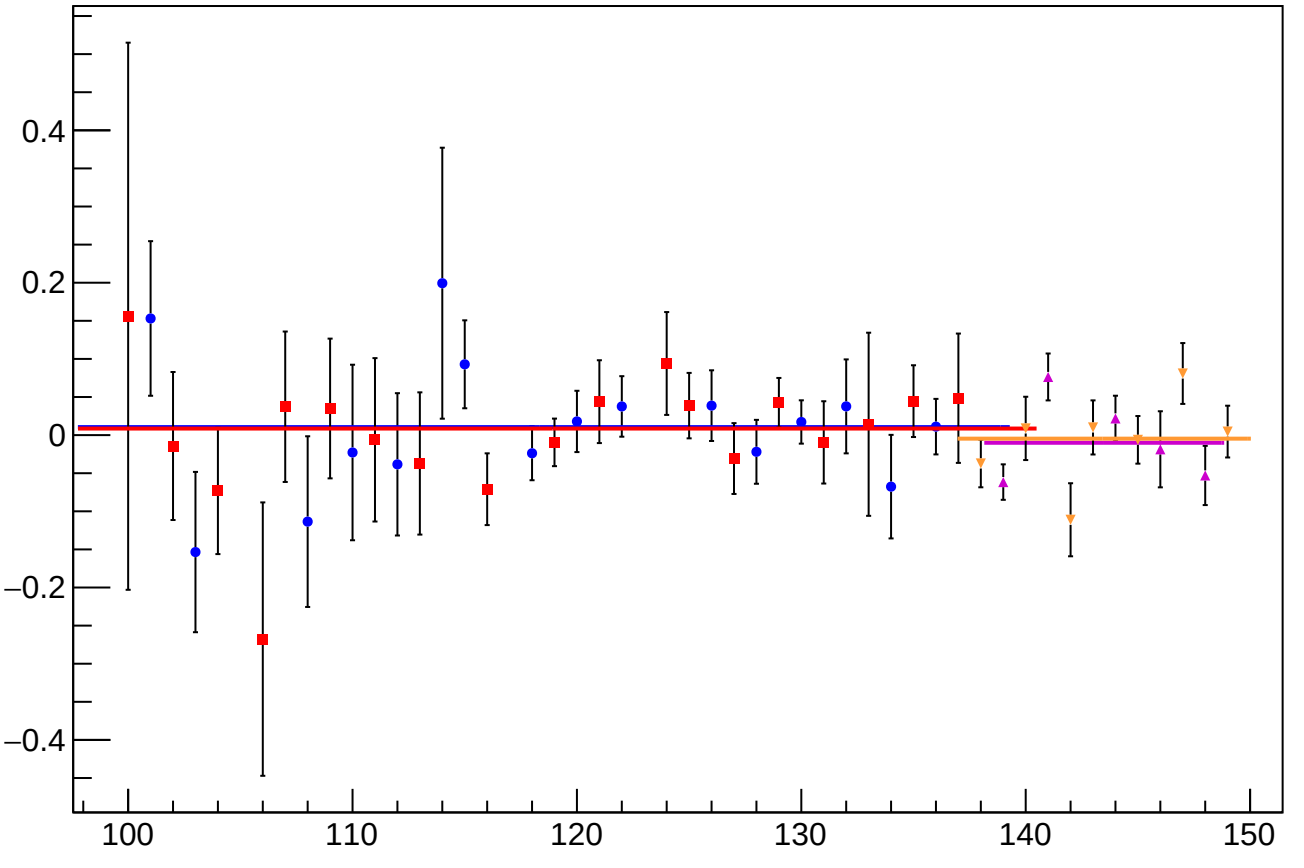
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:774489.8/4

+ sign 0.002+/-0.000 χ^2/NDF: 4506928.0/22

All: 0.002+/-0.000 χ^2/NDF: 9388692.2/46

- 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: -0.005+/-0.014 χ^2/NDF:11.0/6

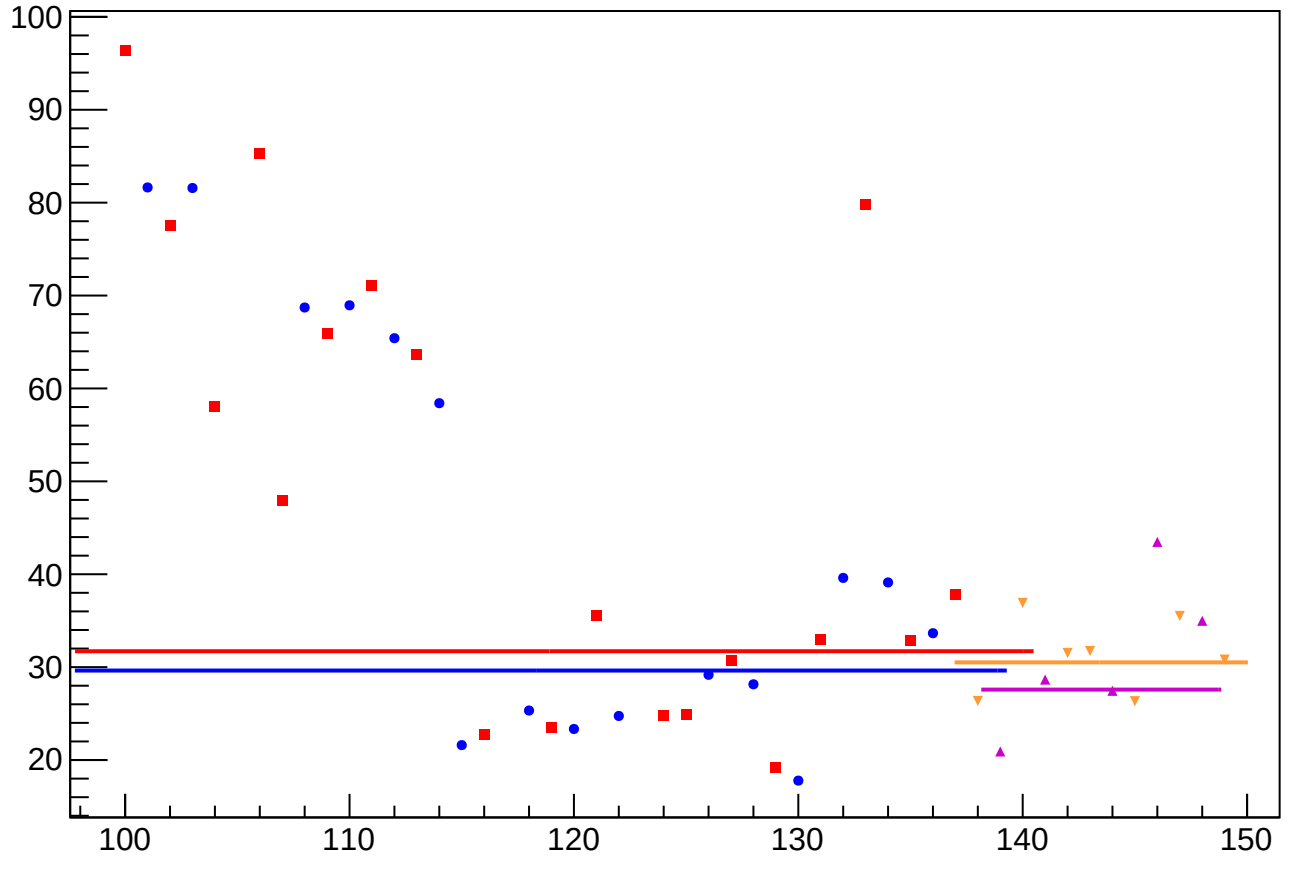
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.010+/-0.014 χ^2/NDF:15.2/4

+ sign 0.004+/-0.009 χ^2/NDF: 24.8/22

All: 0.002+/-0.007 χ^2/NDF: 53.4/46

- 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: 30.512+/-0.010 χ^2/NDF:153335.9/6

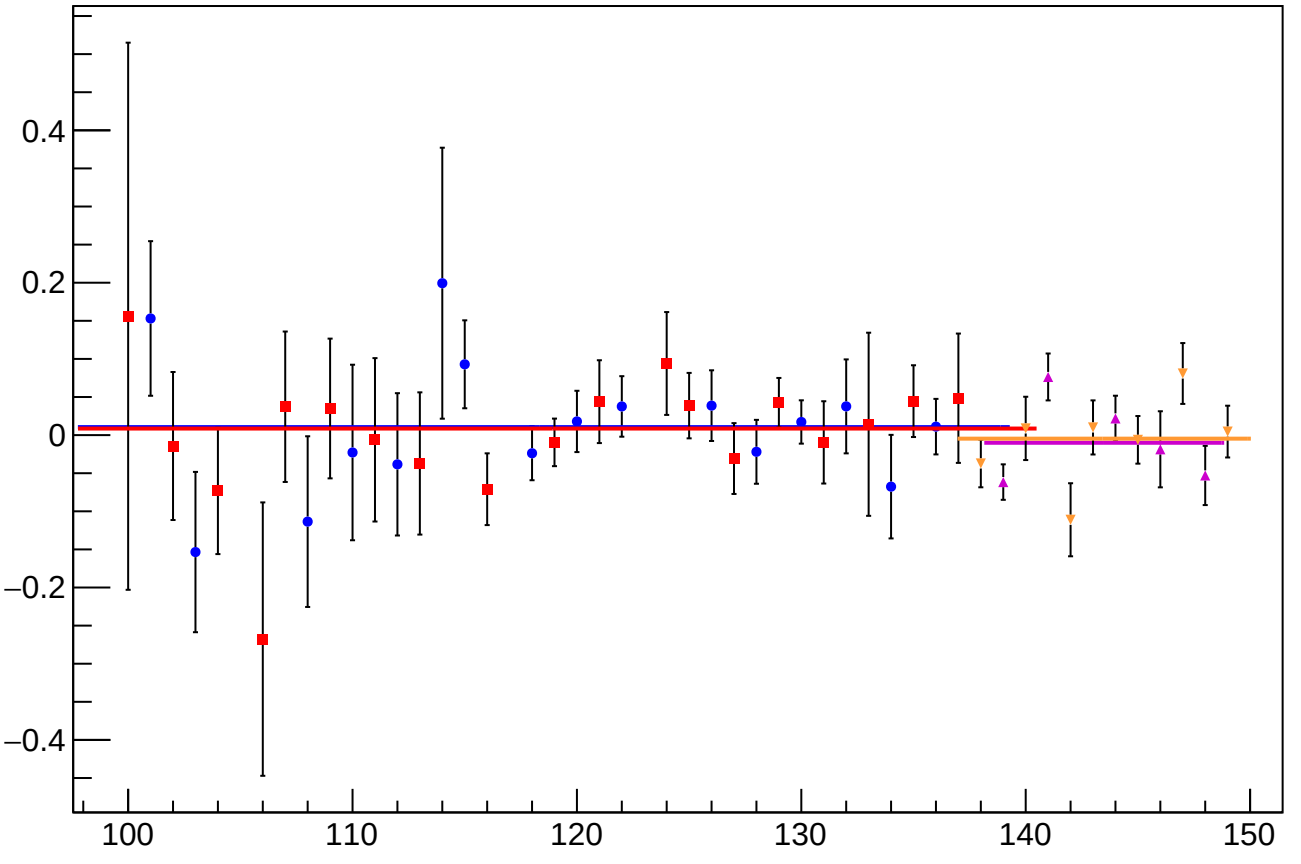
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.581+/-0.010 χ^2/NDF:441546.9/4

+ sign 30.035+/-0.007 χ^2/NDF: 2606490.7/22

All: 29.905+/-0.005 χ^2/NDF: 5792266.2/46

- 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: -0.005+/-0.014 χ^2/NDF:11.0/6

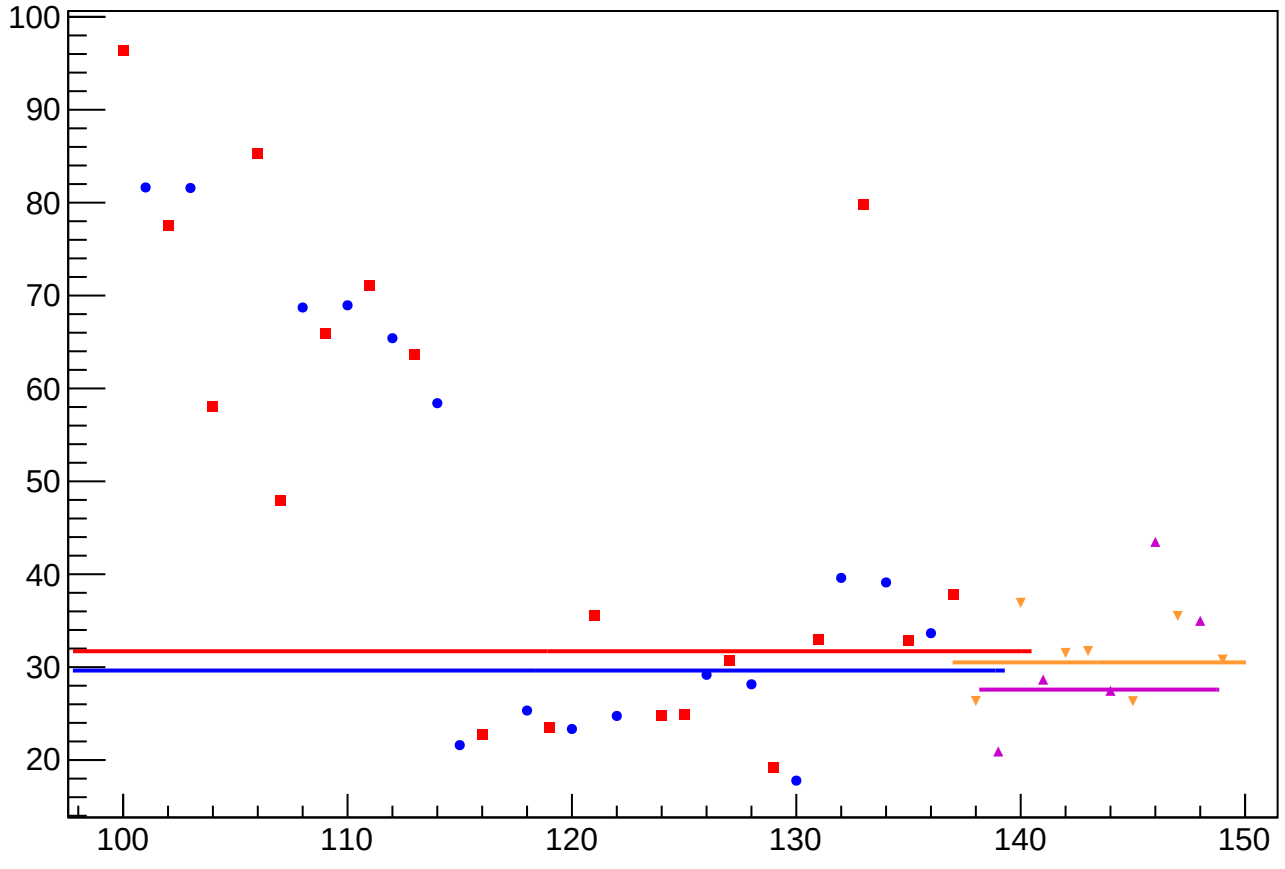
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.010+/-0.014 χ^2/NDF:15.2/4

+ sign 0.004+/-0.009 χ^2/NDF: 24.8/22

All: 0.002+/-0.007 χ^2/NDF: 53.4/46

- 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: 30.512+/-0.010 χ^2/NDF:153335.9/6

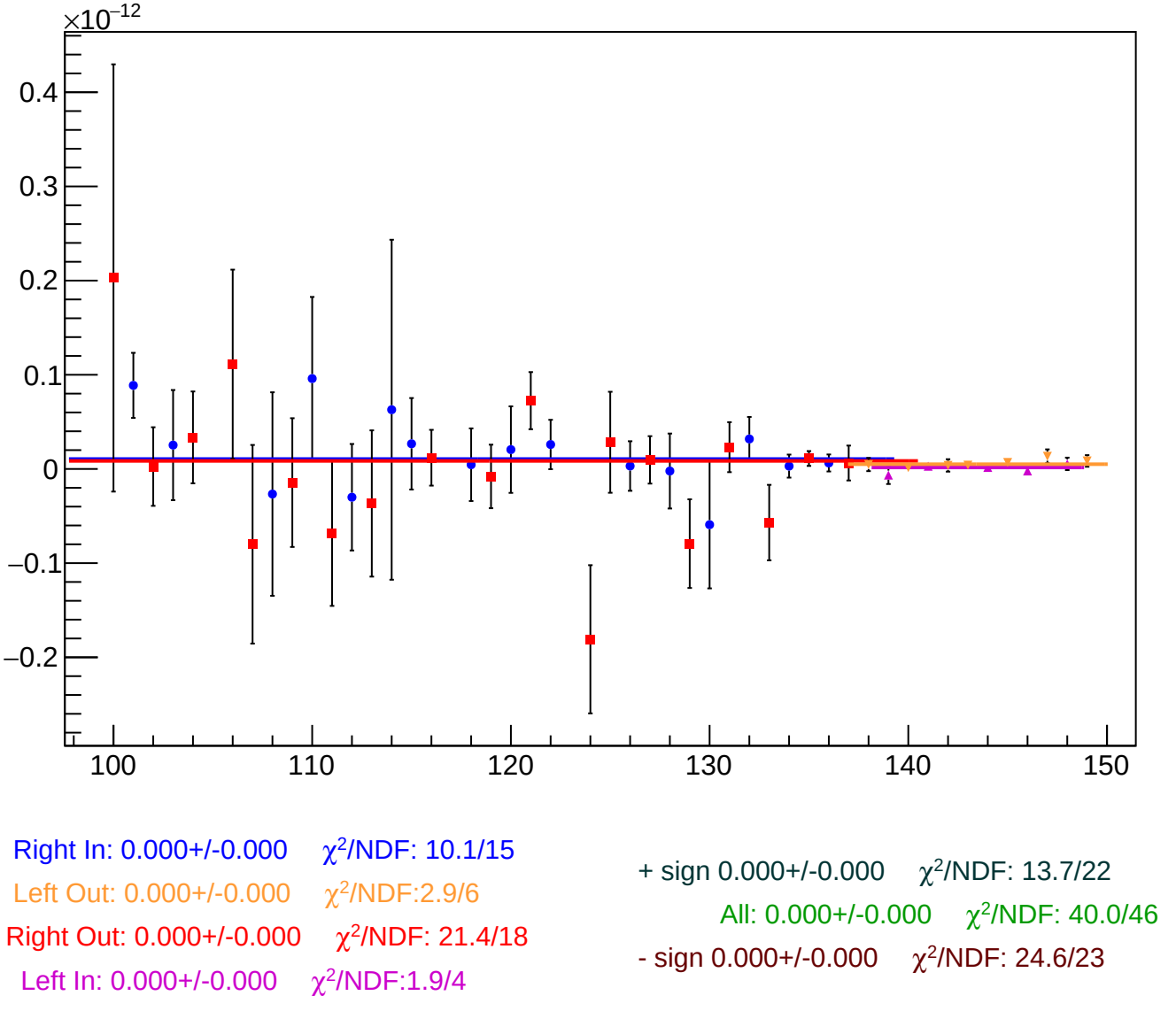
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

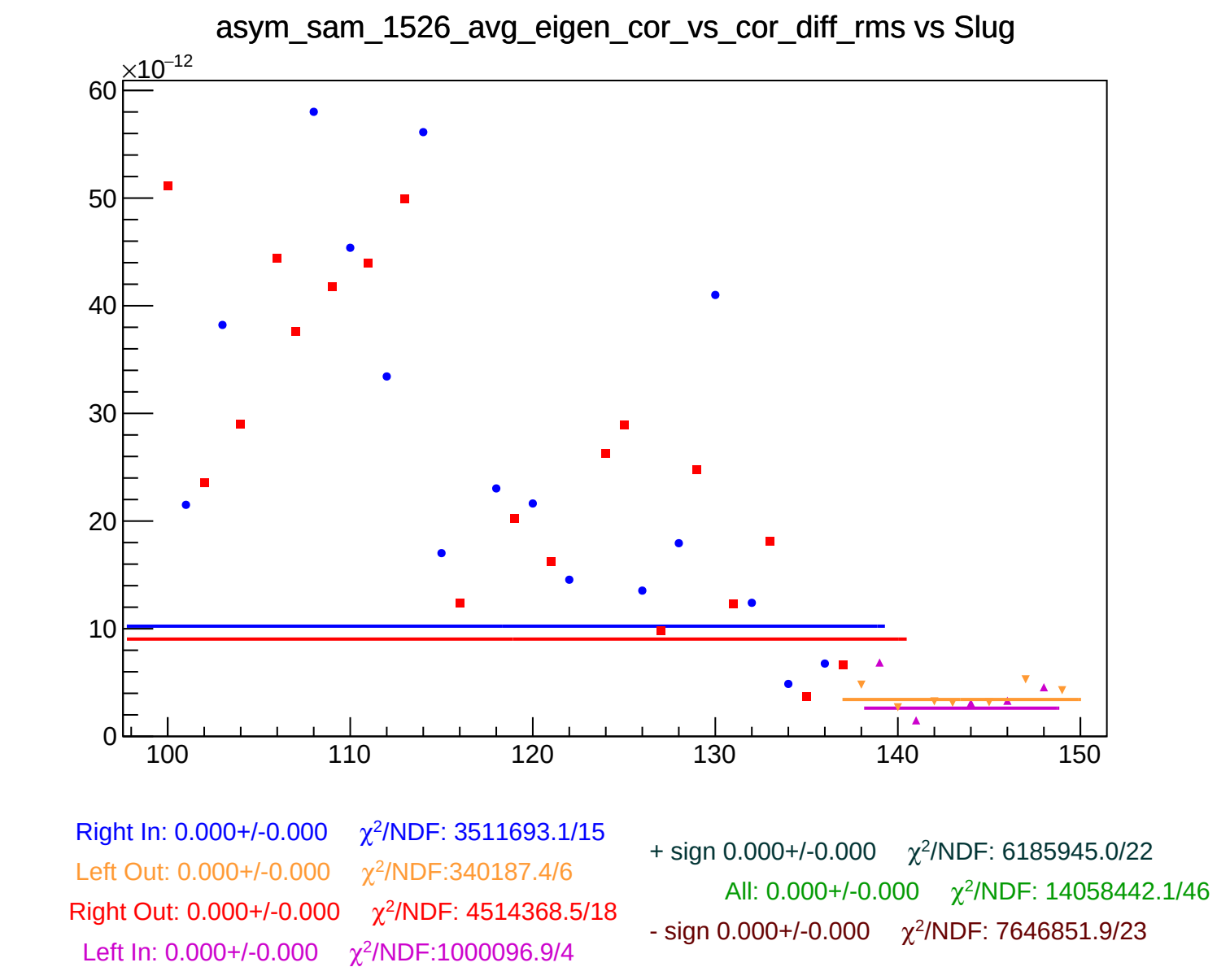
Left In: 27.581+/-0.010 χ^2/NDF:441546.9/4

+ sign 30.035+/-0.007 χ^2/NDF: 2606490.7/22

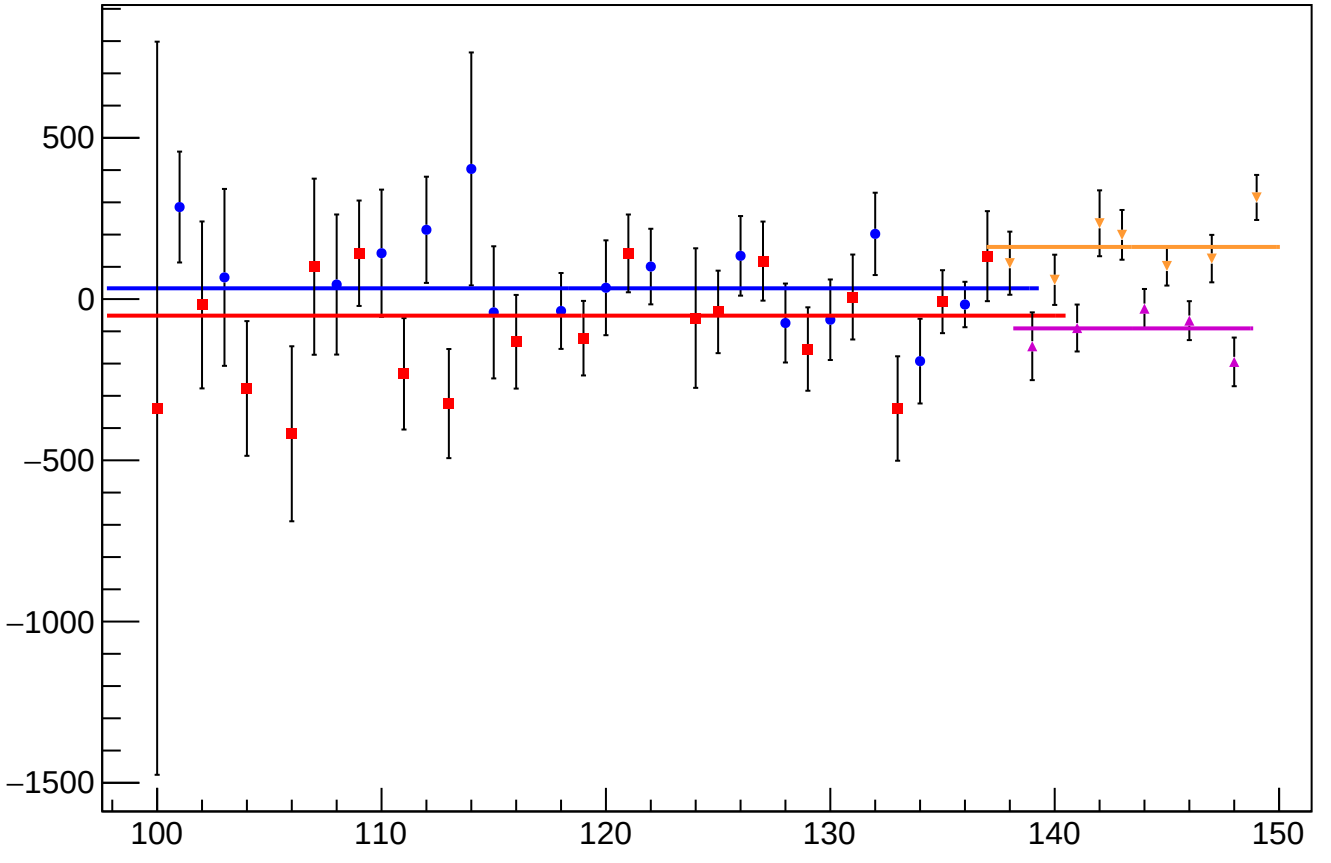
All: 29.905+/-0.005 χ^2/NDF: 5792266.2/46

- sign 29.764+/-0.007 χ^2/NDF: 3184945.7/23


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2.9/6
Right Out: 0.000+/-0.000 χ²/NDF: 21.4/18
Left In: 0.000+/-0.000 χ²/NDF:1.9/4
+ sign 0.000+/-0.000 χ²/NDF: 13.7/22
All: 0.000+/-0.000 χ²/NDF: 40.0/46
- sign 0.000+/-0.000 χ²/NDF: 24.6/23


asym_sam_1526_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: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:340187.4/6
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:1000096.9/4
+ sign 0.000+/-0.000 χ²/NDF: 6185945.0/22
All: 0.000+/-0.000 χ²/NDF: 14058442.1/46
- sign 0.000+/-0.000 χ²/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: 161.715+/-28.938 χ^2/NDF:8.7/6

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

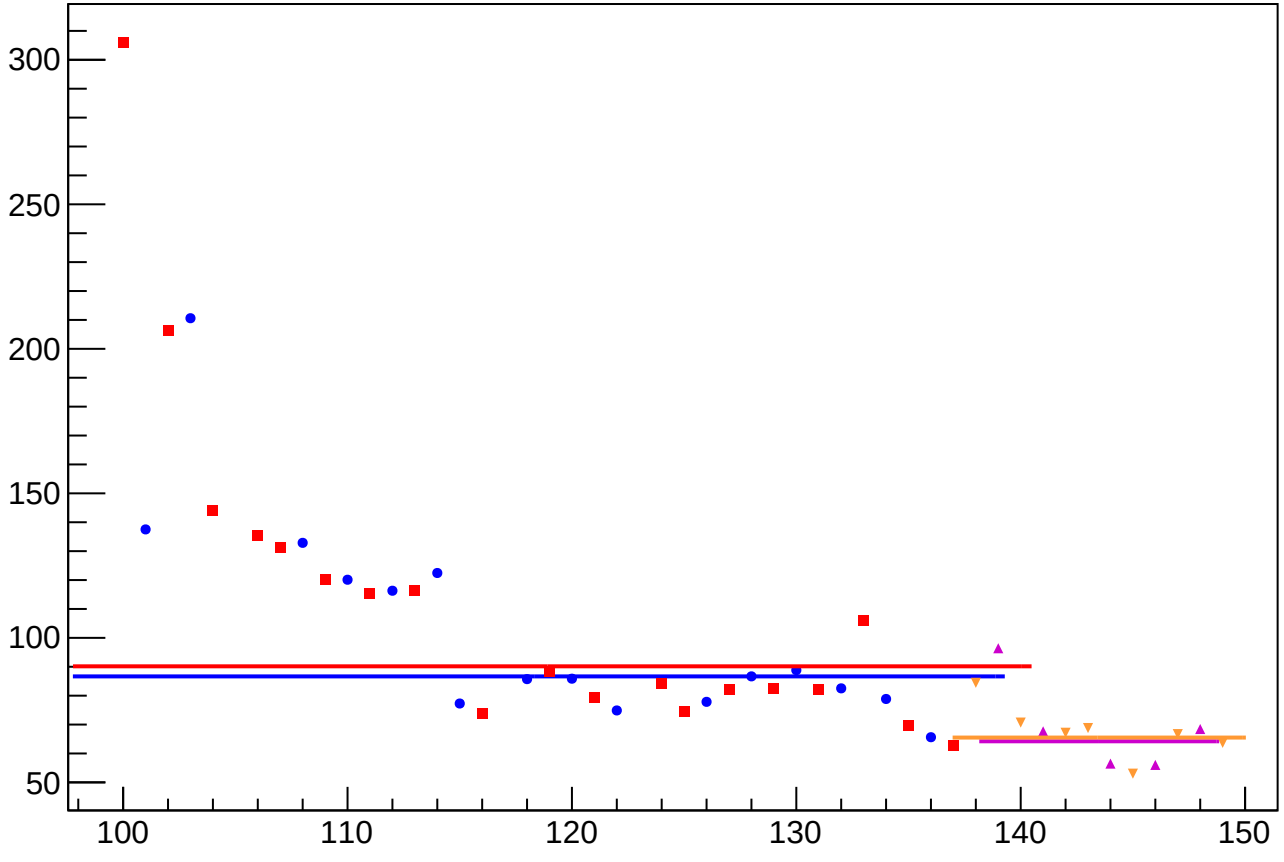
Left In: -90.880+/-31.652 χ^2/NDF:3.3/4

+ sign 107.604+/-22.004 χ^2/NDF: 29.9/22

All: 22.964+/-16.040 χ^2/NDF: 85.0/46

- 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: 65.503+/-0.020 χ^2/NDF:174570.8/6

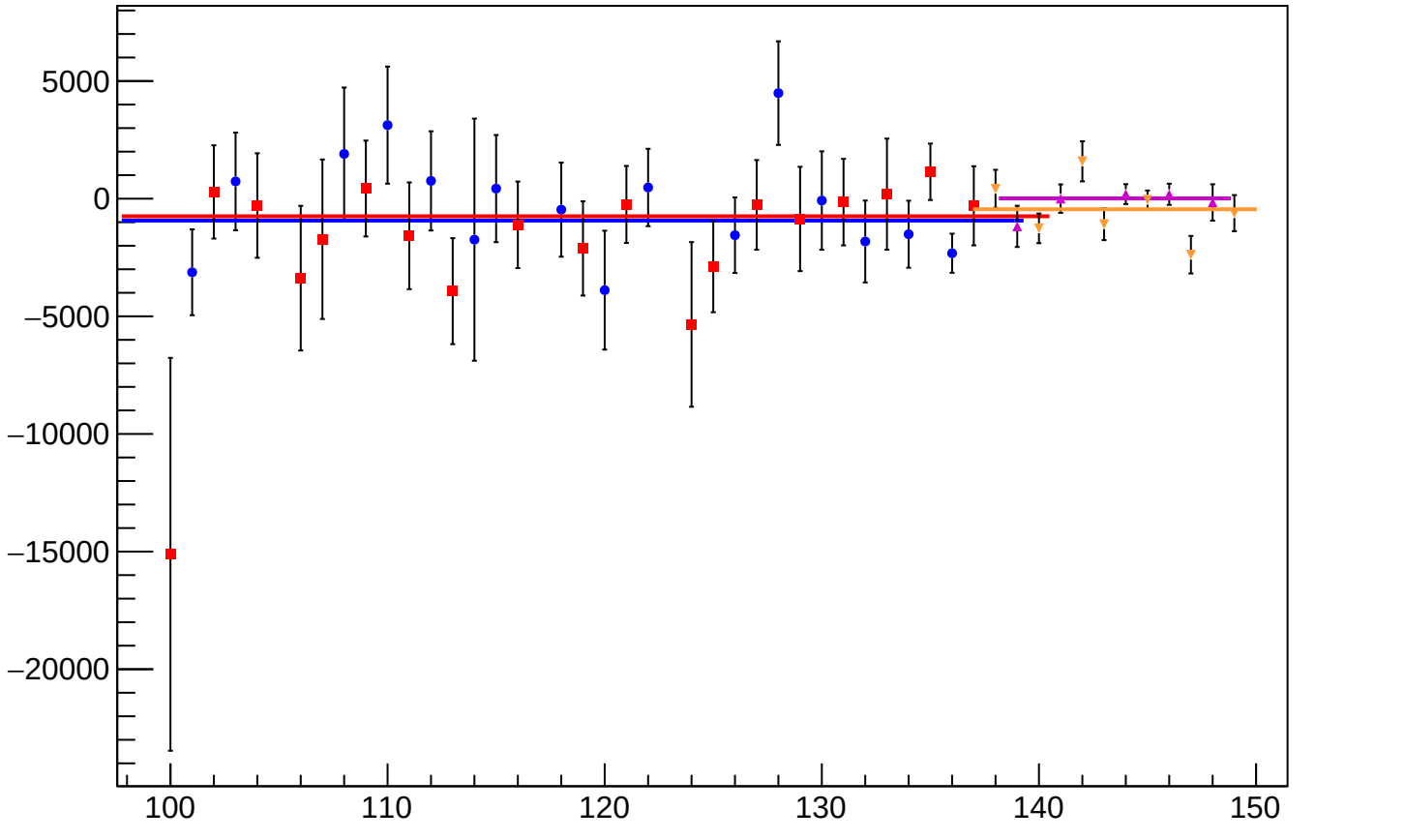
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.213+/-0.022 χ^2/NDF:267189.8/4

+ sign 74.430+/-0.016 χ^2/NDF: 1664582.9/22

All: 75.136+/-0.011 χ^2/NDF: 3693332.0/46

- 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: -449.744+/-240.406 χ^2/NDF:16.4/6

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

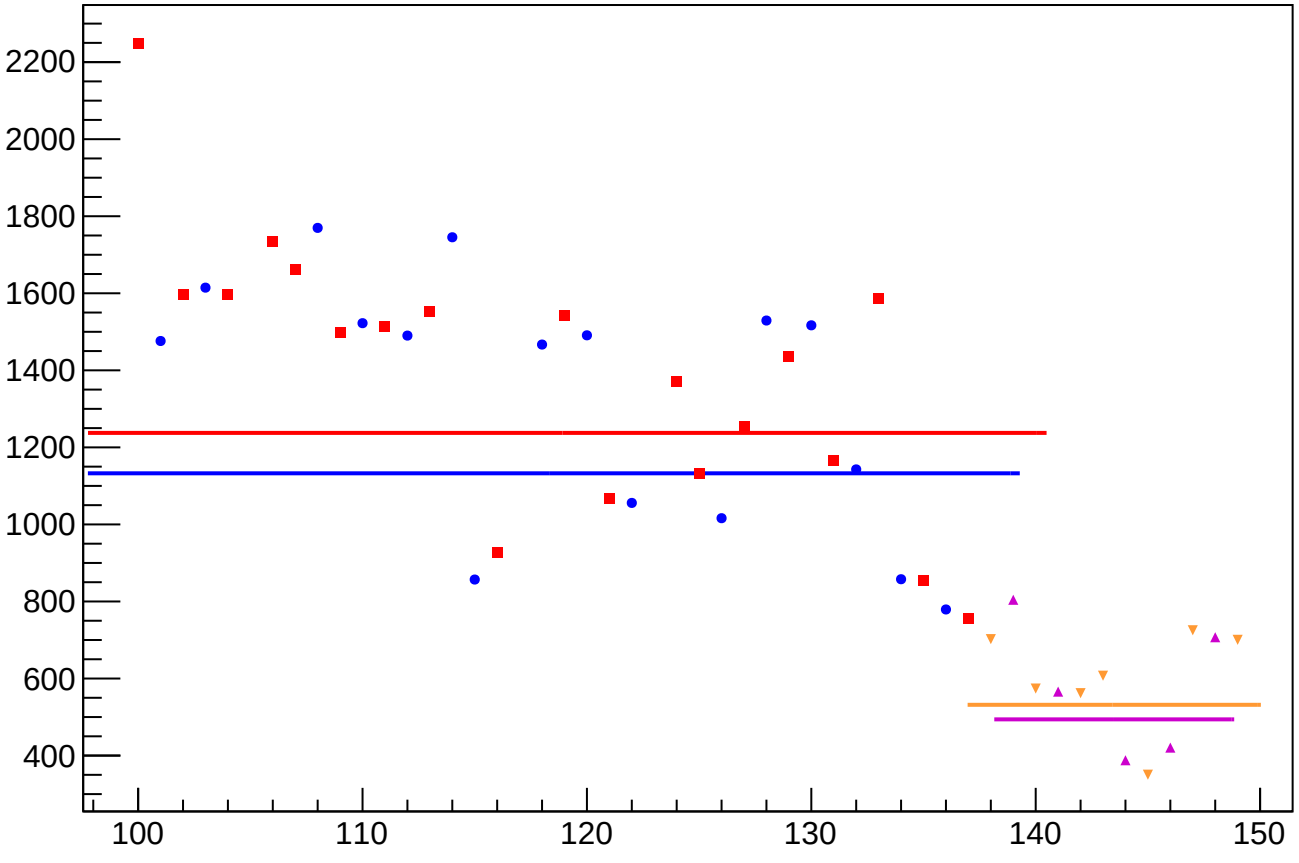
Left In: 13.252+/-247.998 χ^2/NDF:2.2/4

+ sign -559.768+/-211.068 χ^2/NDF: 35.8/22

All: -364.250+/-152.015 χ^2/NDF: 54.9/46

- 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: 531.787+/-0.170 χ^2/NDF:761475.9/6

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

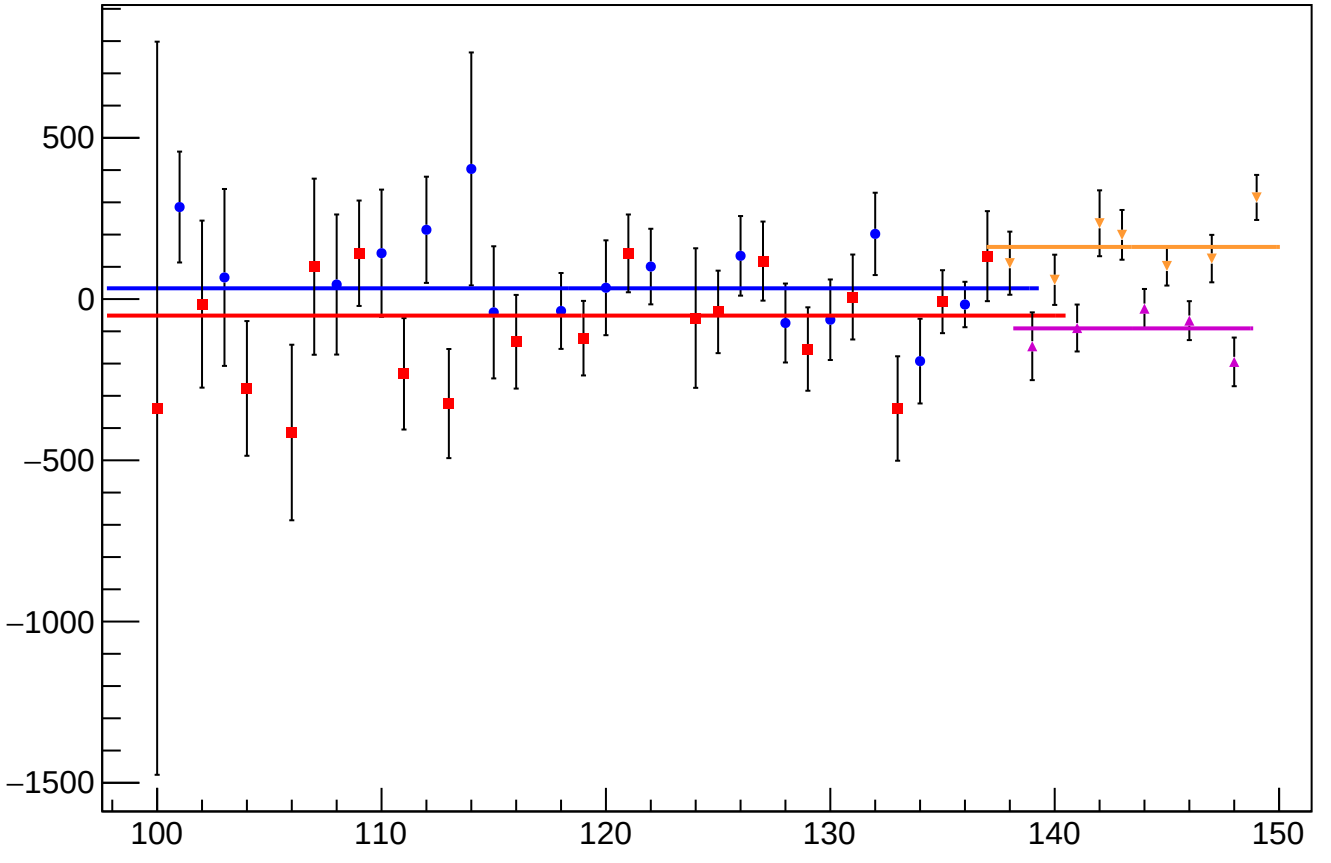
Left In: 493.988+/-0.175 χ^2/NDF:610843.0/4

+ sign 669.501+/-0.149 χ^2/NDF: 4749298.4/22

All: 663.518+/-0.107 χ^2/NDF: 10202272.7/46

- 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: 161.722+/-28.938 χ^2/NDF:8.7/6

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

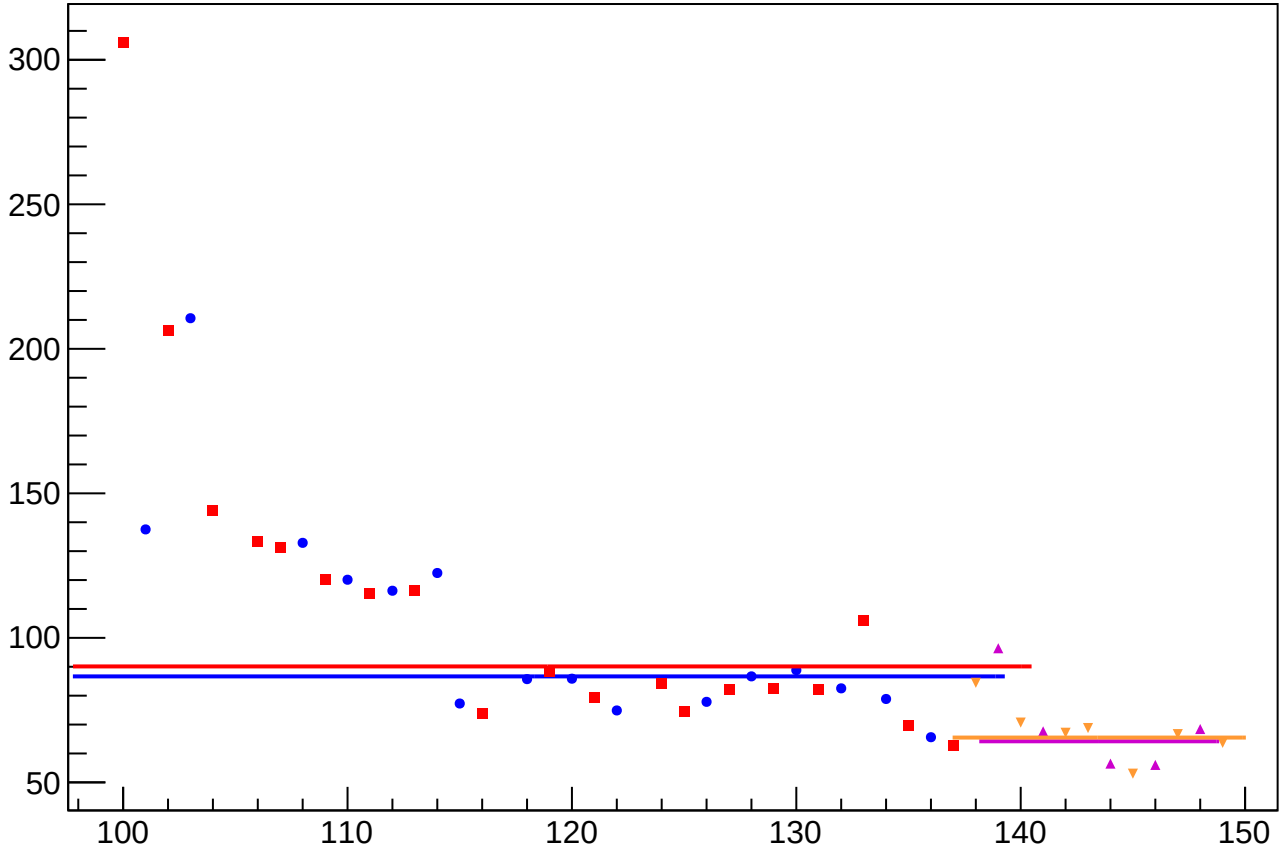
Left In: -90.879+/-31.652 χ^2/NDF:3.3/4

+ sign 107.604+/-22.004 χ^2/NDF: 29.9/22

All: 22.997+/-16.040 χ^2/NDF: 85.0/46

- 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: 65.503+/-0.020 χ^2/NDF:174570.8/6

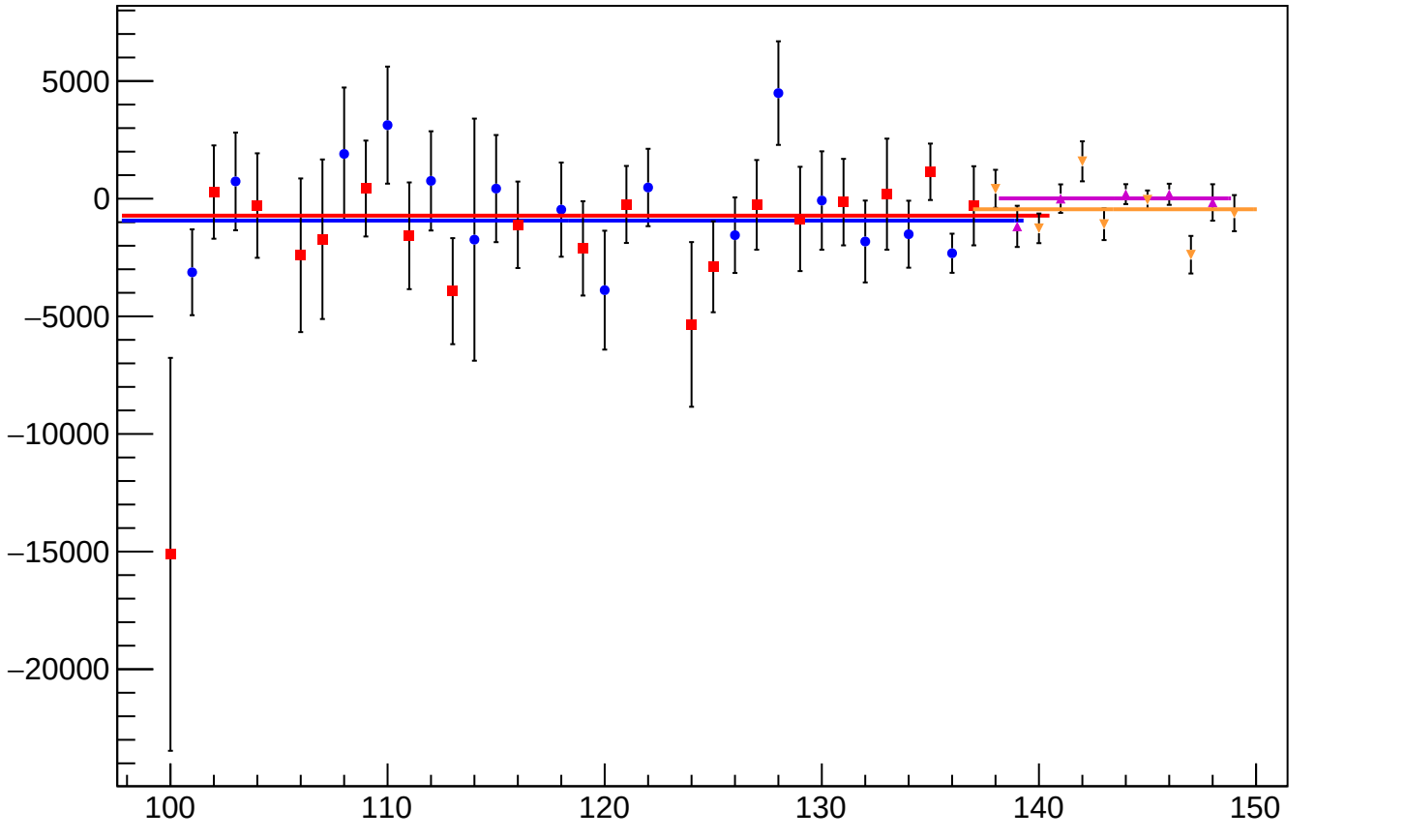
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.213+/-0.022 χ^2/NDF:267189.8/4

+ sign 74.430+/-0.016 χ^2/NDF: 1664585.5/22

All: 75.128+/-0.011 χ^2/NDF: 3686763.7/46

- 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: -449.737+/-240.406 χ^2/NDF:16.4/6

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

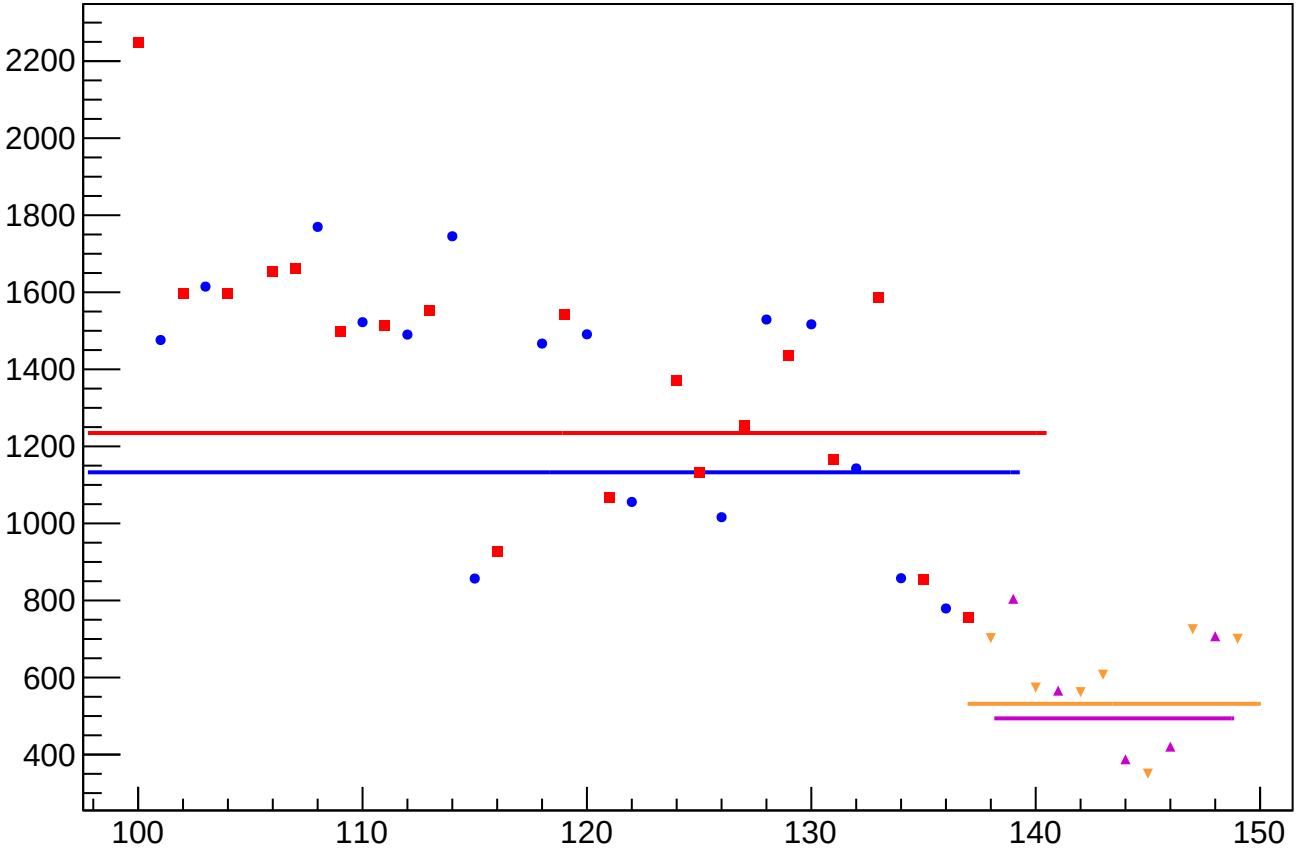
Left In: 13.247+/-247.998 χ^2/NDF:2.2/4

+ sign -559.754+/-211.068 χ^2/NDF: 35.8/22

All: -361.335+/-152.037 χ^2/NDF: 54.3/46

- 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: 531.786+/-0.170 χ^2/NDF:761476.5/6

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

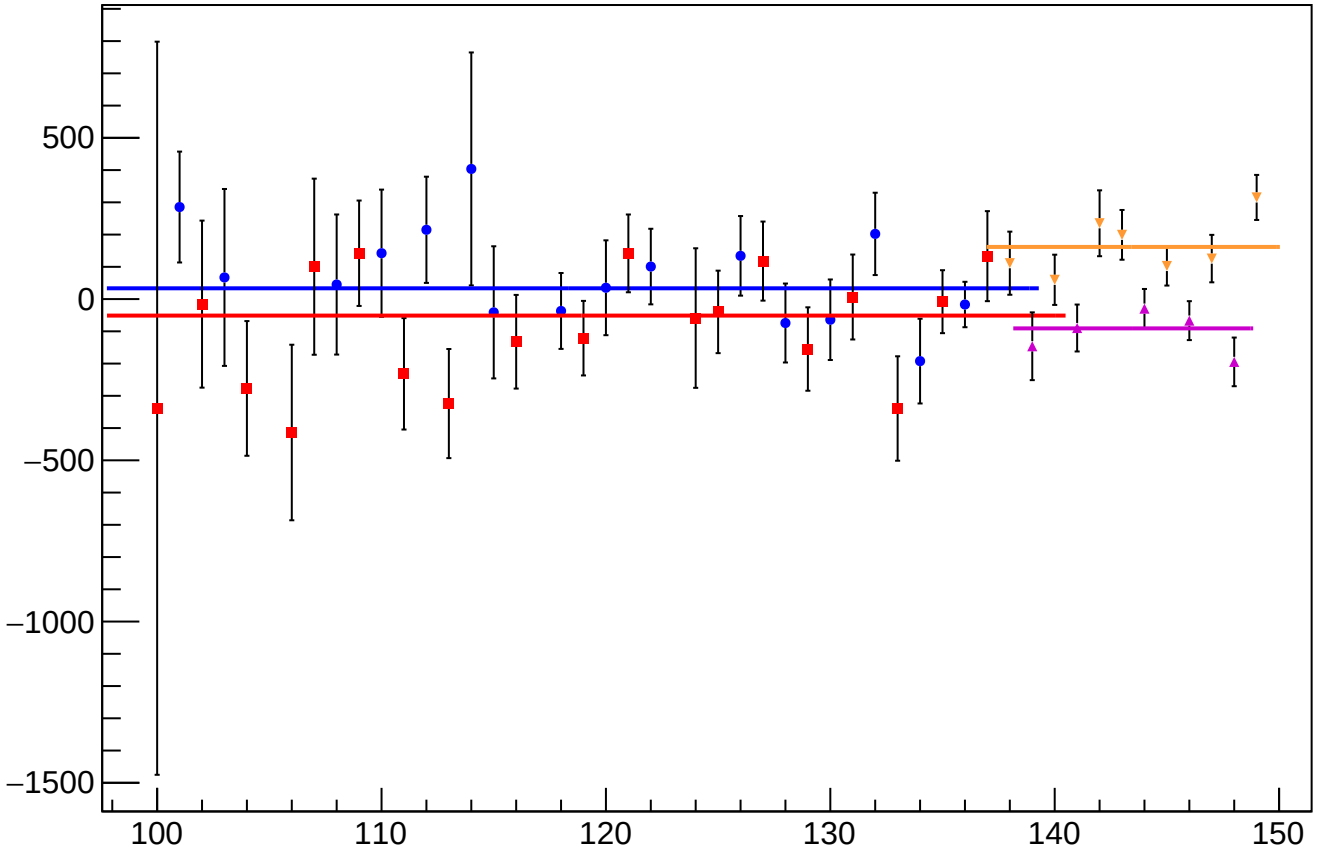
Left In: 493.988+/-0.175 χ^2/NDF:610843.4/4

+ sign 669.500+/-0.149 χ^2/NDF: 4749340.0/22

All: 663.049+/-0.108 χ^2/NDF: 10144992.5/46

- 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: 161.722+/-28.938 χ^2/NDF:8.7/6

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

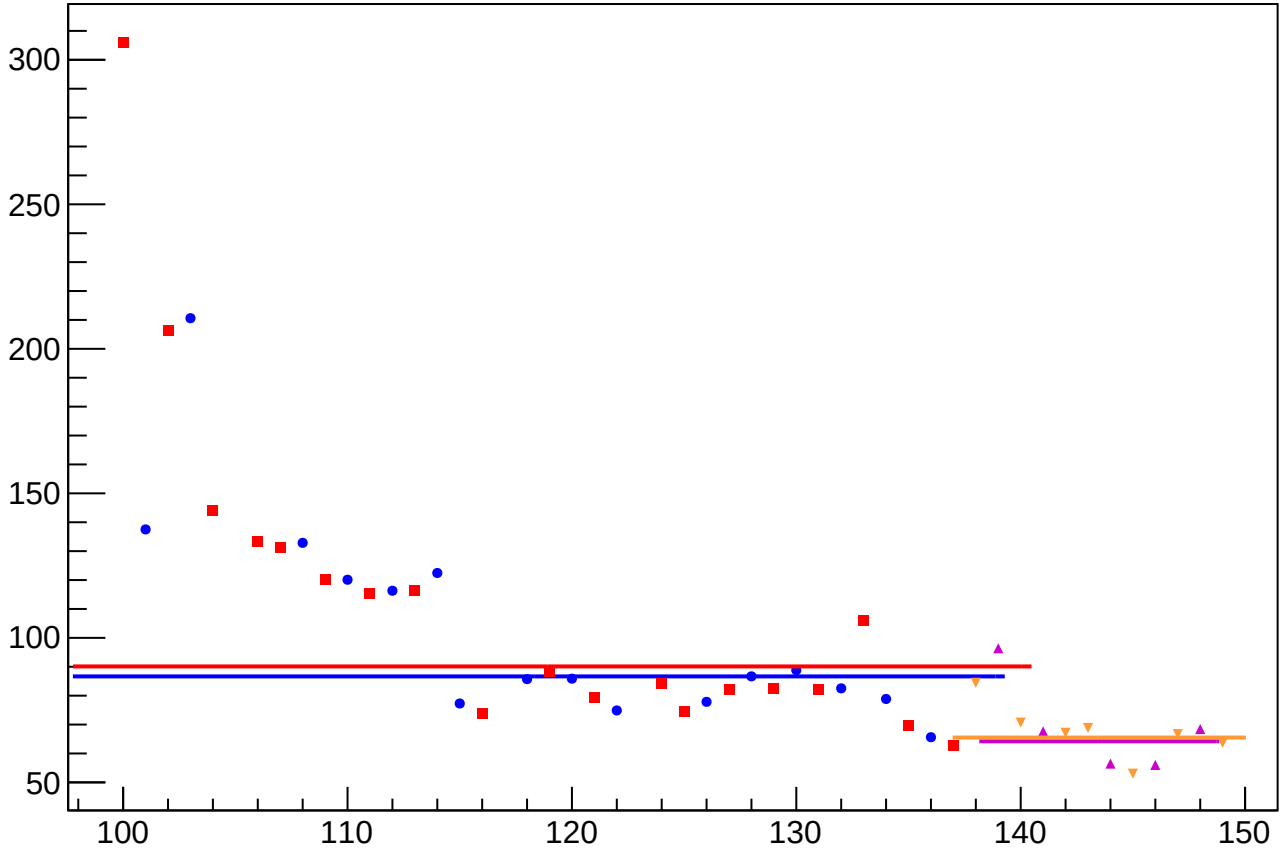
Left In: -90.879+/-31.652 χ^2/NDF:3.3/4

+ sign 107.604+/-22.004 χ^2/NDF: 29.9/22

All: 22.997+/-16.040 χ^2/NDF: 85.0/46

- 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: 65.503+/-0.020 χ^2/NDF:174570.8/6

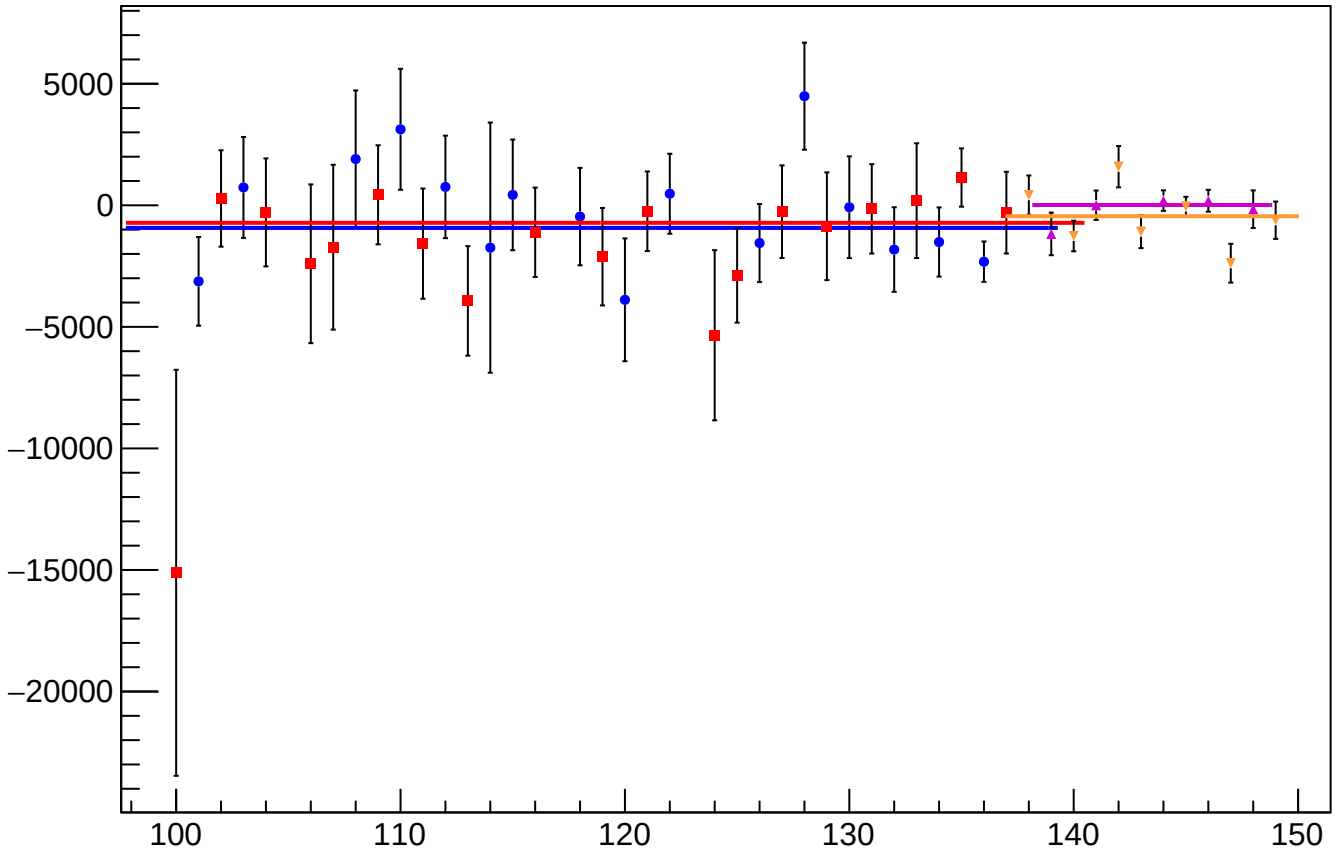
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.213+/-0.022 χ^2/NDF:267189.8/4

+ sign 74.430+/-0.016 χ^2/NDF: 1664585.5/22

All: 75.128+/-0.011 χ^2/NDF: 3686763.7/46

- 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: -449.737+/-240.406 χ^2/NDF:16.4/6

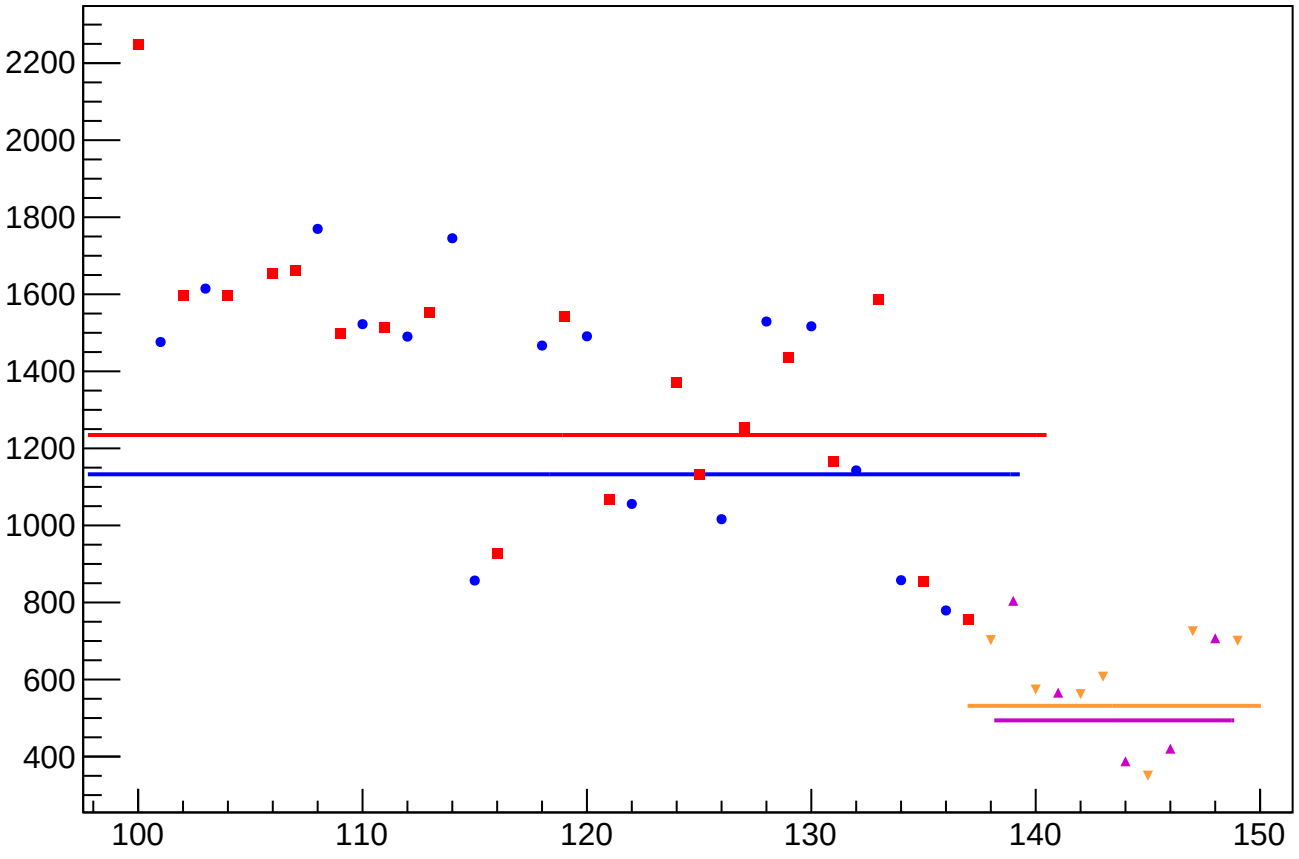
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 13.247+/-247.998 χ^2/NDF:2.2/4

+ sign -559.754+/-211.068 χ^2/NDF: 35.8/22

All: -361.335+/-152.037 χ^2/NDF: 54.3/46

- 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: 531.786+/-0.170 χ^2/NDF:761476.5/6

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

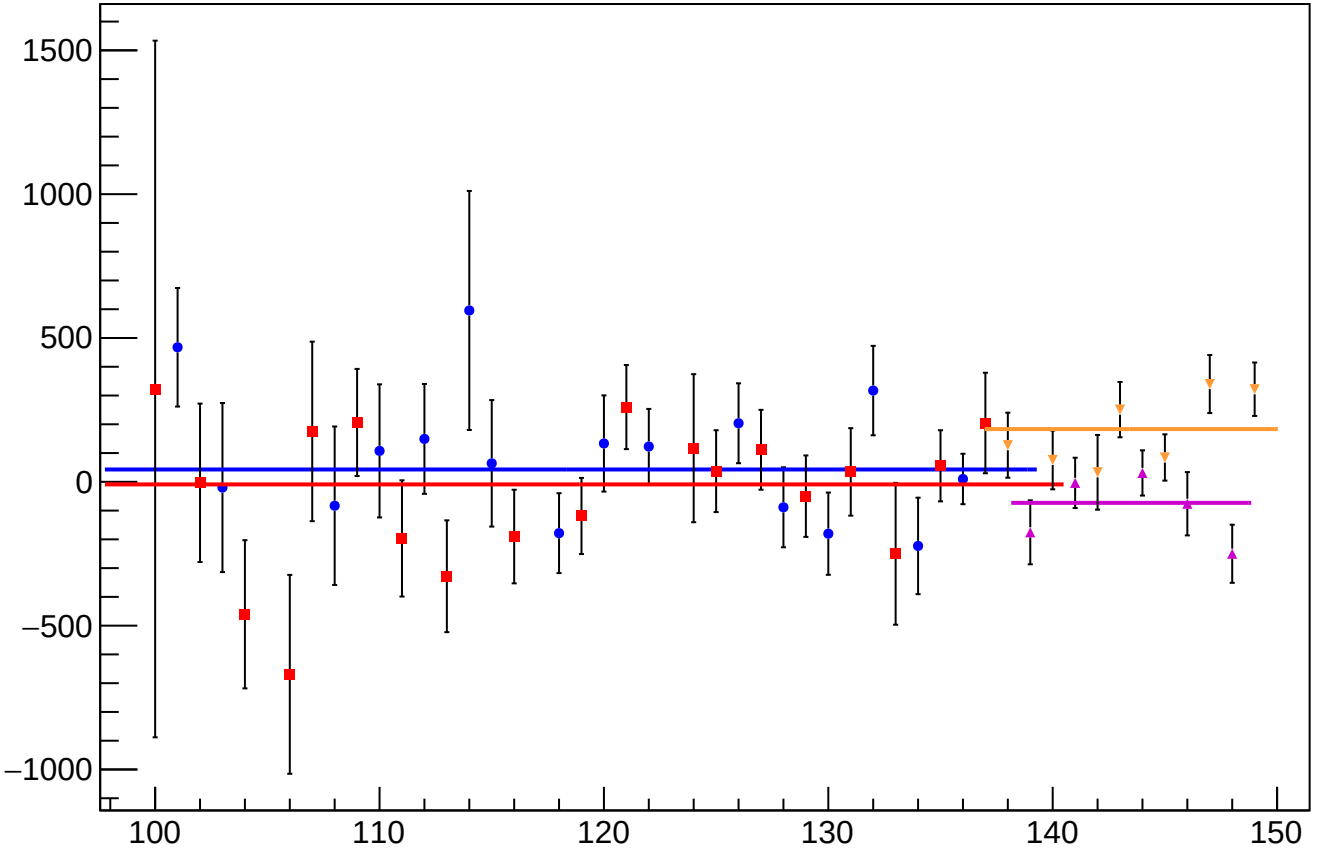
Left In: 493.988+/-0.175 χ^2/NDF:610843.4/4

+ sign 669.500+/-0.149 χ^2/NDF: 4749340.0/22

All: 663.049+/-0.108 χ^2/NDF: 10144992.5/46

- 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: 183.329+/-37.524 χ^2/NDF:9.3/6

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

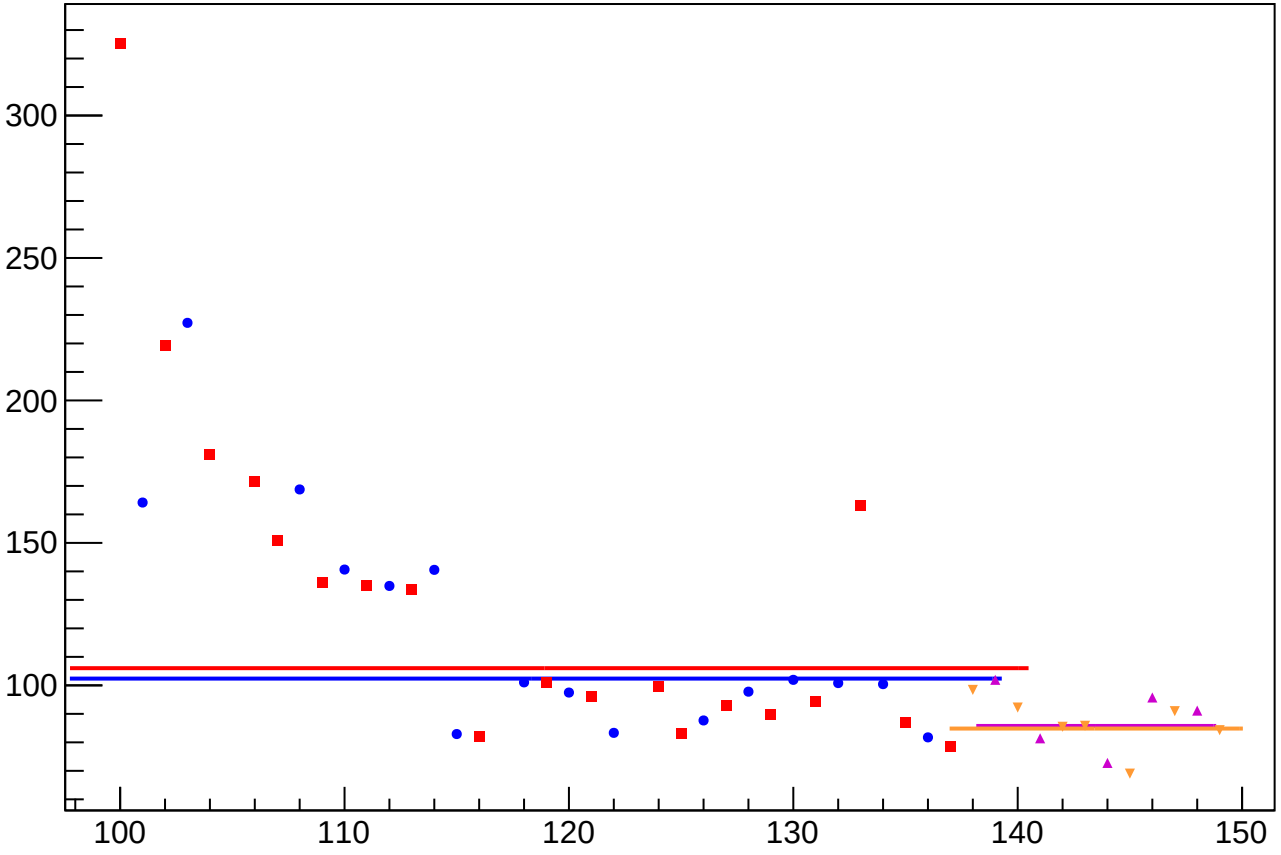
Left In: -73.114+/-42.478 χ^2/NDF:6.3/4

+ sign 117.511+/-27.350 χ^2/NDF: 36.2/22

All: 44.780+/-20.063 χ^2/NDF: 80.3/46

- 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: 84.841+/-0.027 χ^2/NDF:124175.8/6

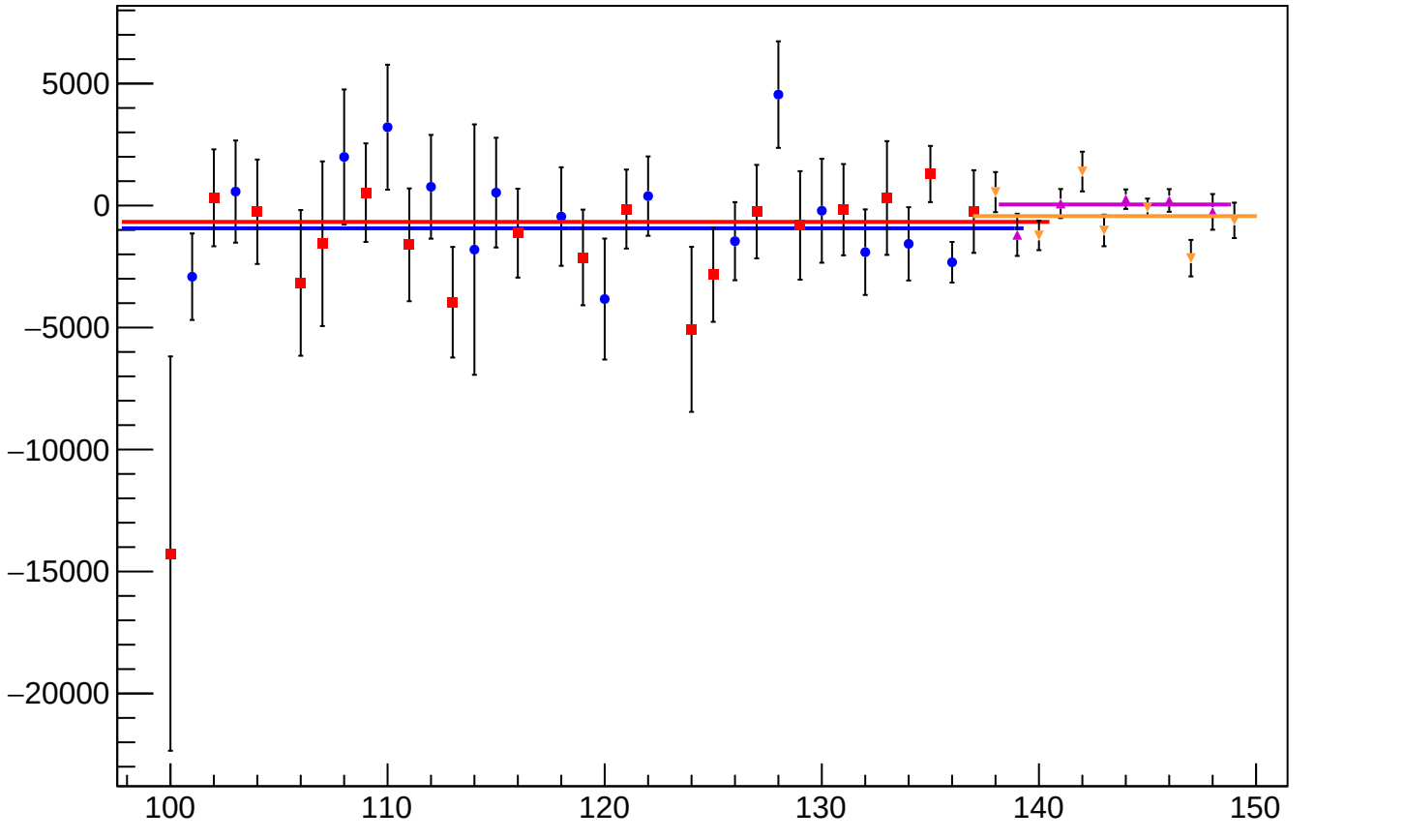
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 85.753+/-0.030 χ^2/NDF:124061.3/4

+ sign 93.062+/-0.019 χ^2/NDF: 1311259.0/22

All: 94.528+/-0.014 χ^2/NDF: 2874712.5/46

- 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: -431.669+/-226.083 χ^2/NDF:15.4/6

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

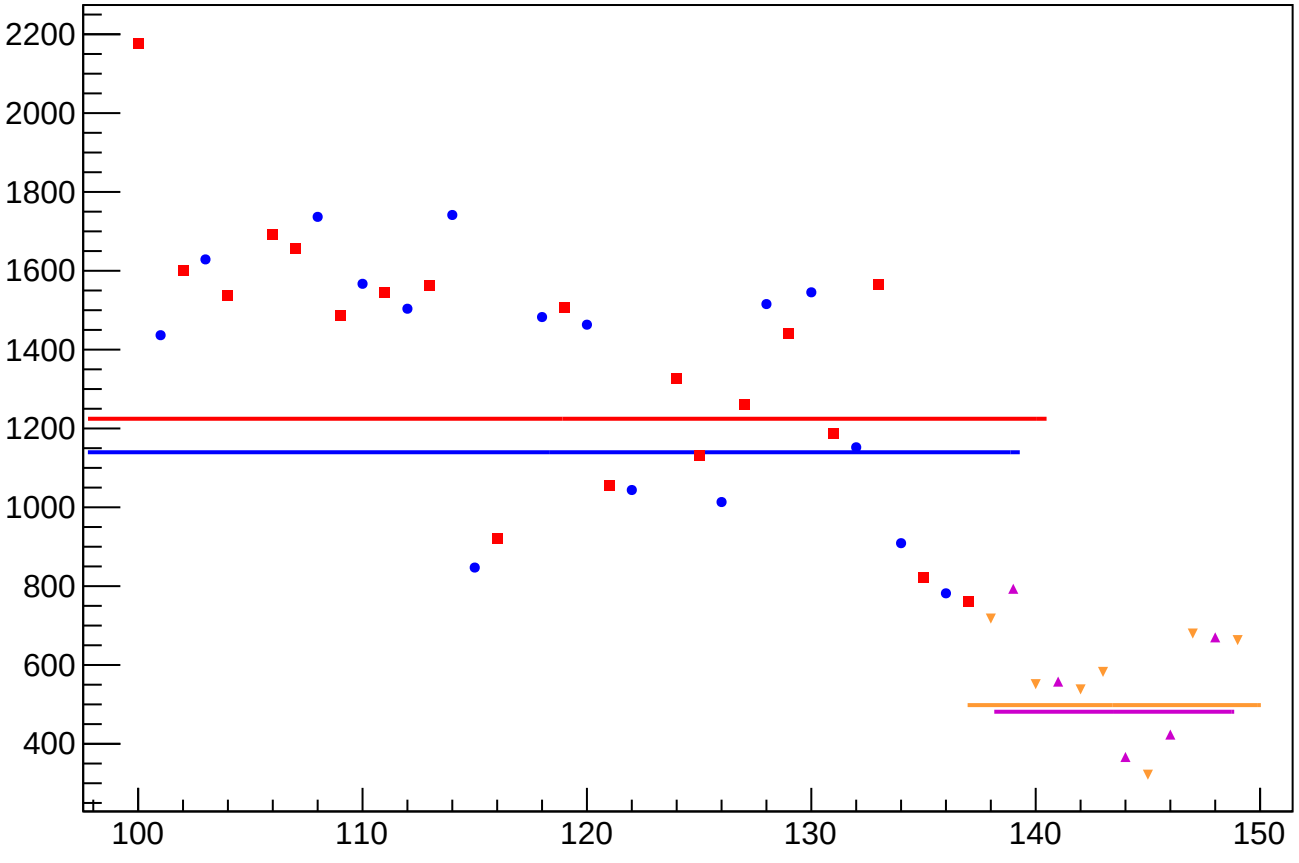
Left In: 44.597+/-243.274 χ^2/NDF:2.7/4

+ sign -535.235+/-201.348 χ^2/NDF: 34.9/22

All: -336.718+/-147.085 χ^2/NDF: 55.0/46

- 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: 498.222+/-0.160 χ^2/NDF:900804.7/6

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

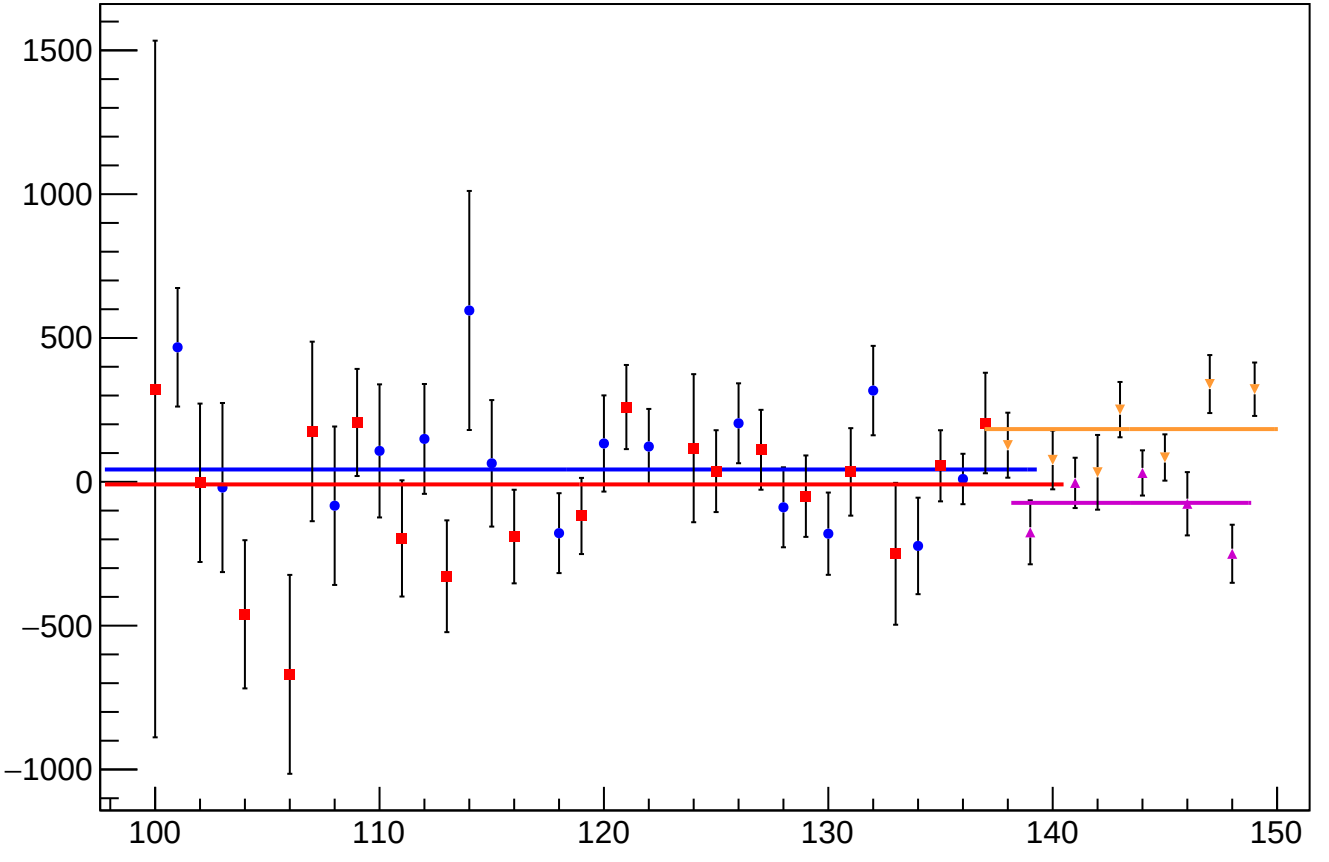
Left In: 481.402+/-0.172 χ^2/NDF:622288.0/4

+ sign 630.895+/-0.142 χ^2/NDF: 5324114.5/22

All: 636.113+/-0.104 χ^2/NDF: 10907478.7/46

- 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: 183.328+/-37.524 χ^2/NDF:9.3/6

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

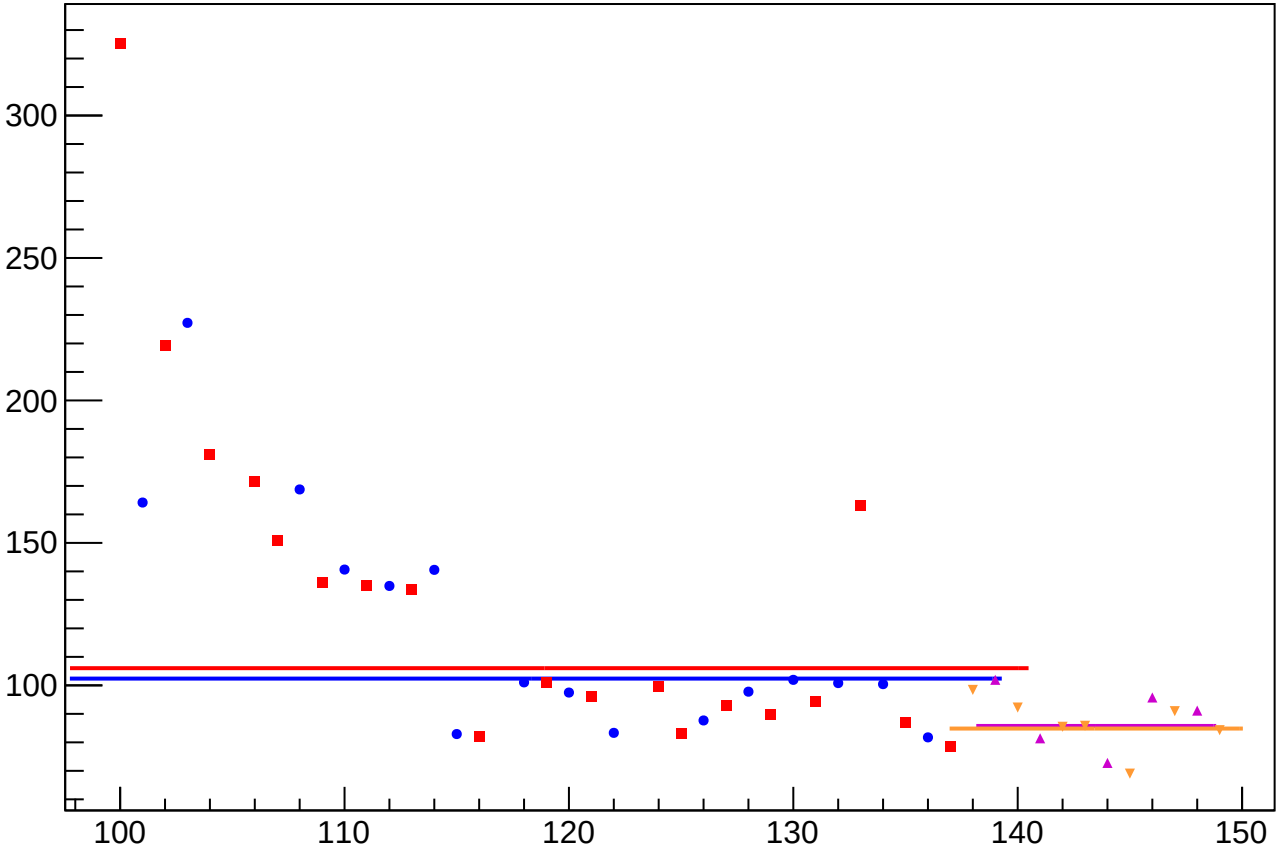
Left In: -73.114+/-42.478 χ^2/NDF:6.3/4

+ sign 117.510+/-27.350 χ^2/NDF: 36.2/22

All: 44.780+/-20.064 χ^2/NDF: 80.3/46

- 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: 84.842+/-0.027 χ^2/NDF:124166.0/6

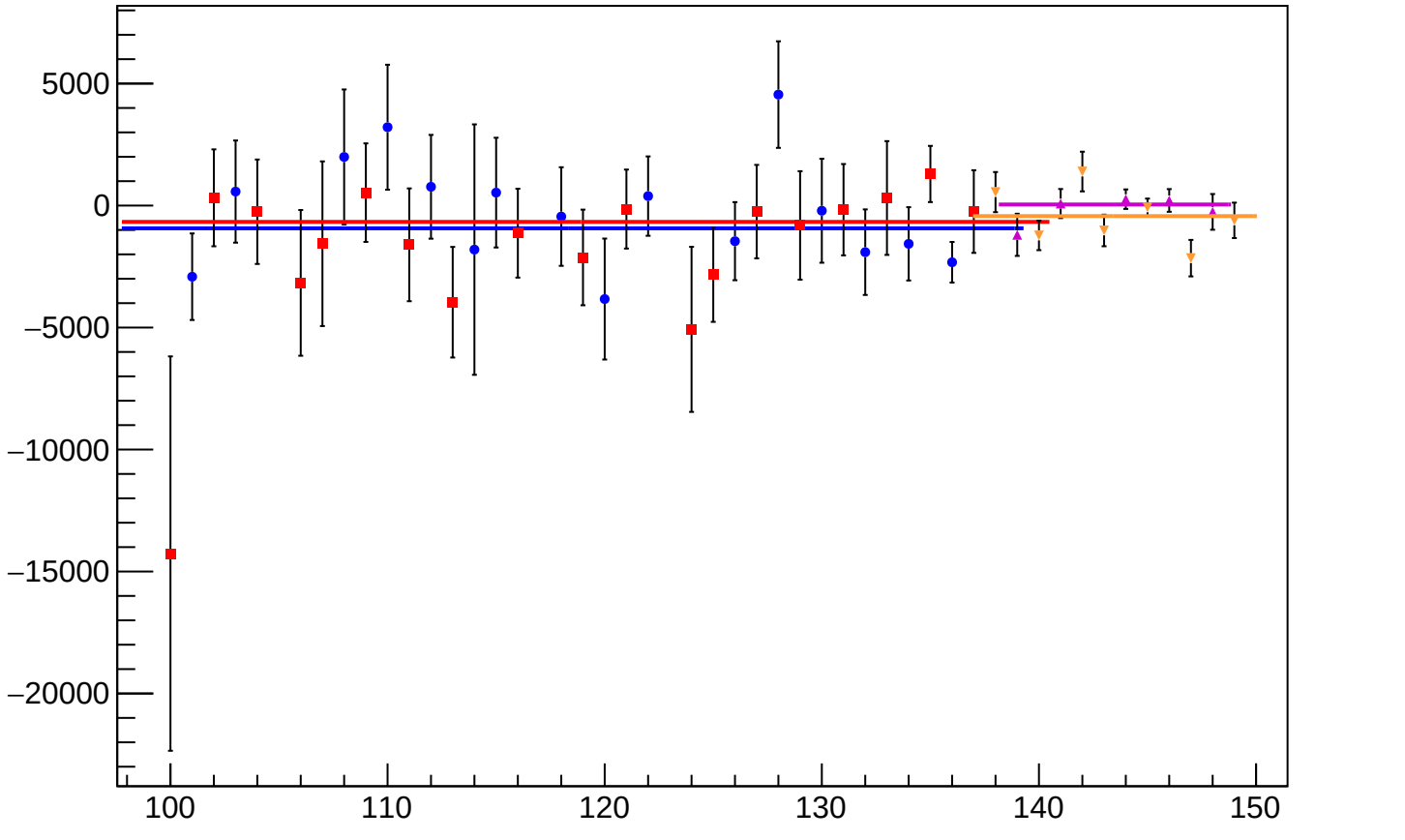
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 85.754+/-0.030 χ^2/NDF:124058.7/4

+ sign 93.062+/-0.019 χ^2/NDF: 1311228.3/22

All: 94.528+/-0.014 χ^2/NDF: 2874669.4/46

- 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: -431.670+/-226.082 χ^2/NDF:15.4/6

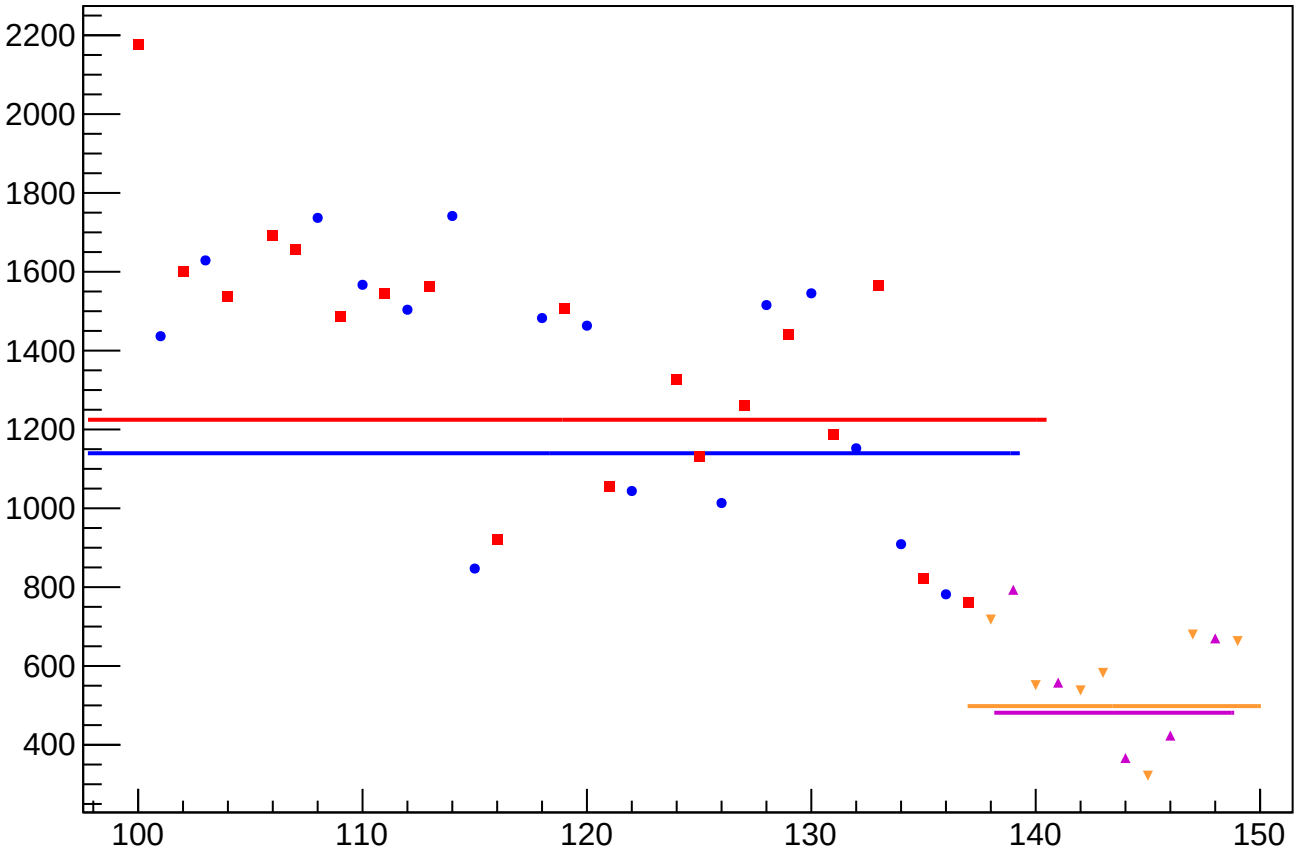
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 44.598+/-243.274 χ^2/NDF:2.7/4

+ sign -535.235+/-201.348 χ^2/NDF: 34.9/22

All: -336.718+/-147.084 χ^2/NDF: 55.0/46

- sign -109.573+/-215.377 χ^2/NDF: 18.0/23



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 498.220+/-0.160 χ^2/NDF:900816.2/6

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

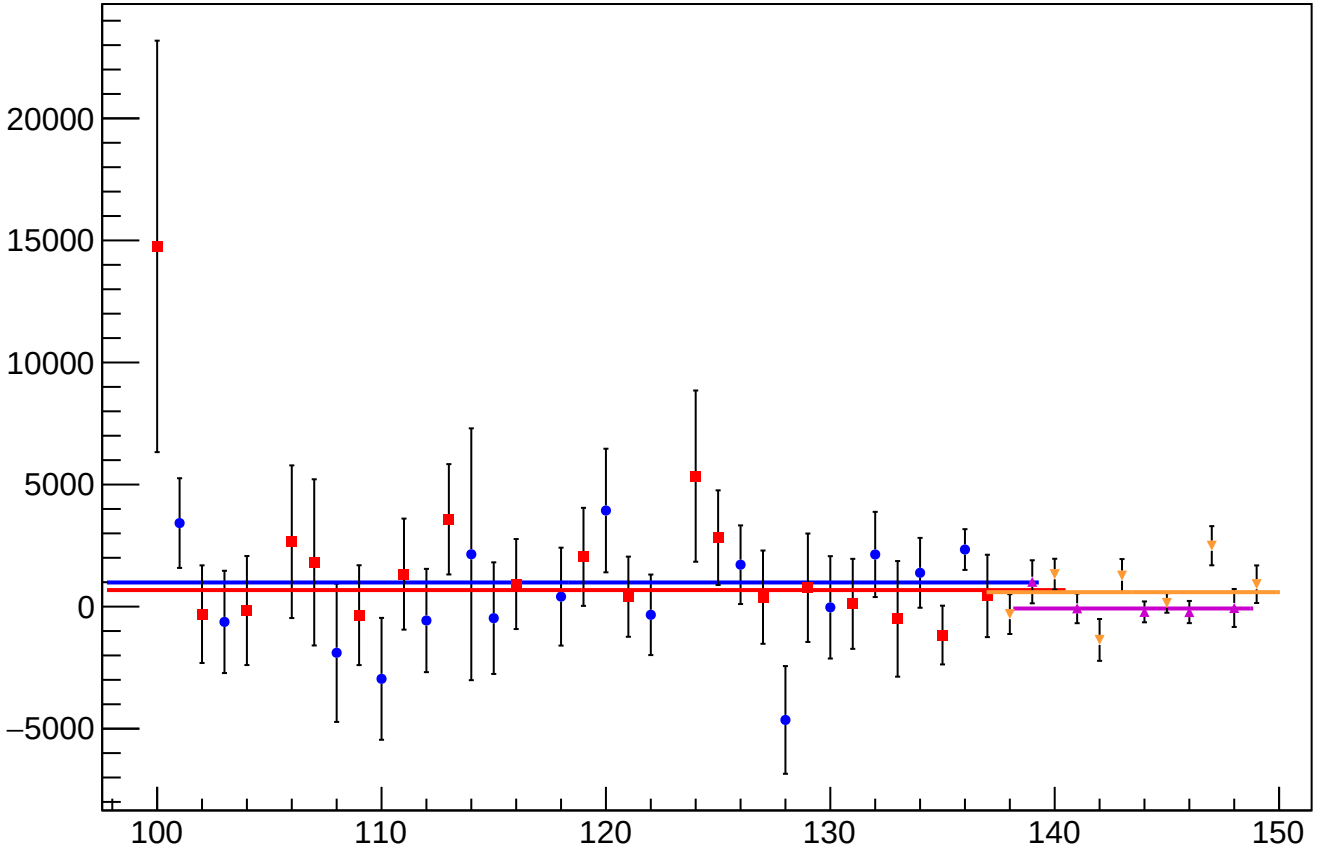
Left In: 481.402+/-0.172 χ^2/NDF:622289.9/4

+ sign 630.893+/-0.142 χ^2/NDF: 5324127.5/22

All: 636.112+/-0.104 χ^2/NDF: 10907487.4/46

- 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: 591.956+/-242.514 χ^2/NDF:15.8/6

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

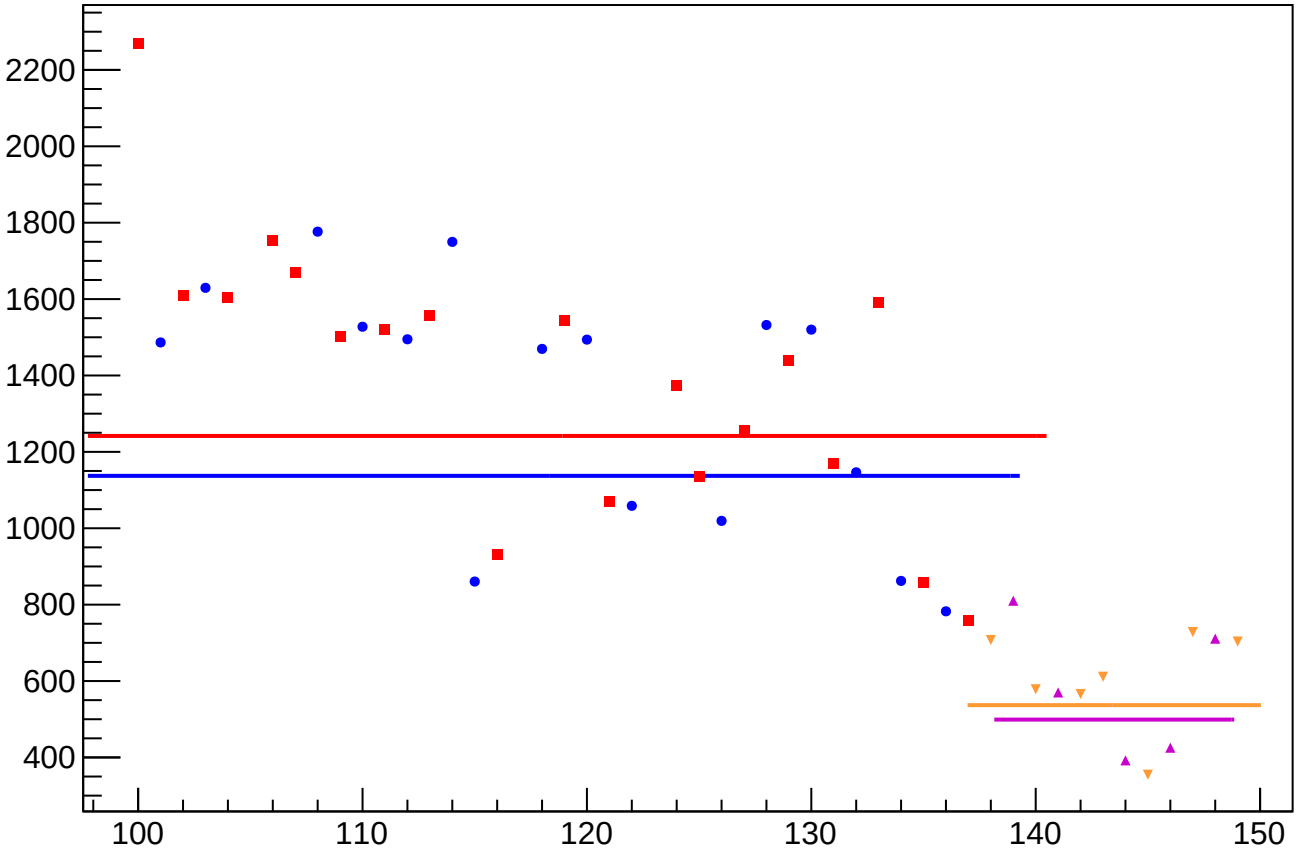
Left In: -76.881+/-250.396 χ^2/NDF:1.7/4

+ sign 683.698+/-212.684 χ^2/NDF: 35.4/22

All: 398.225+/-153.231 χ^2/NDF: 54.9/46

- 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: 536.885+/-0.171 χ^2/NDF:744233.5/6

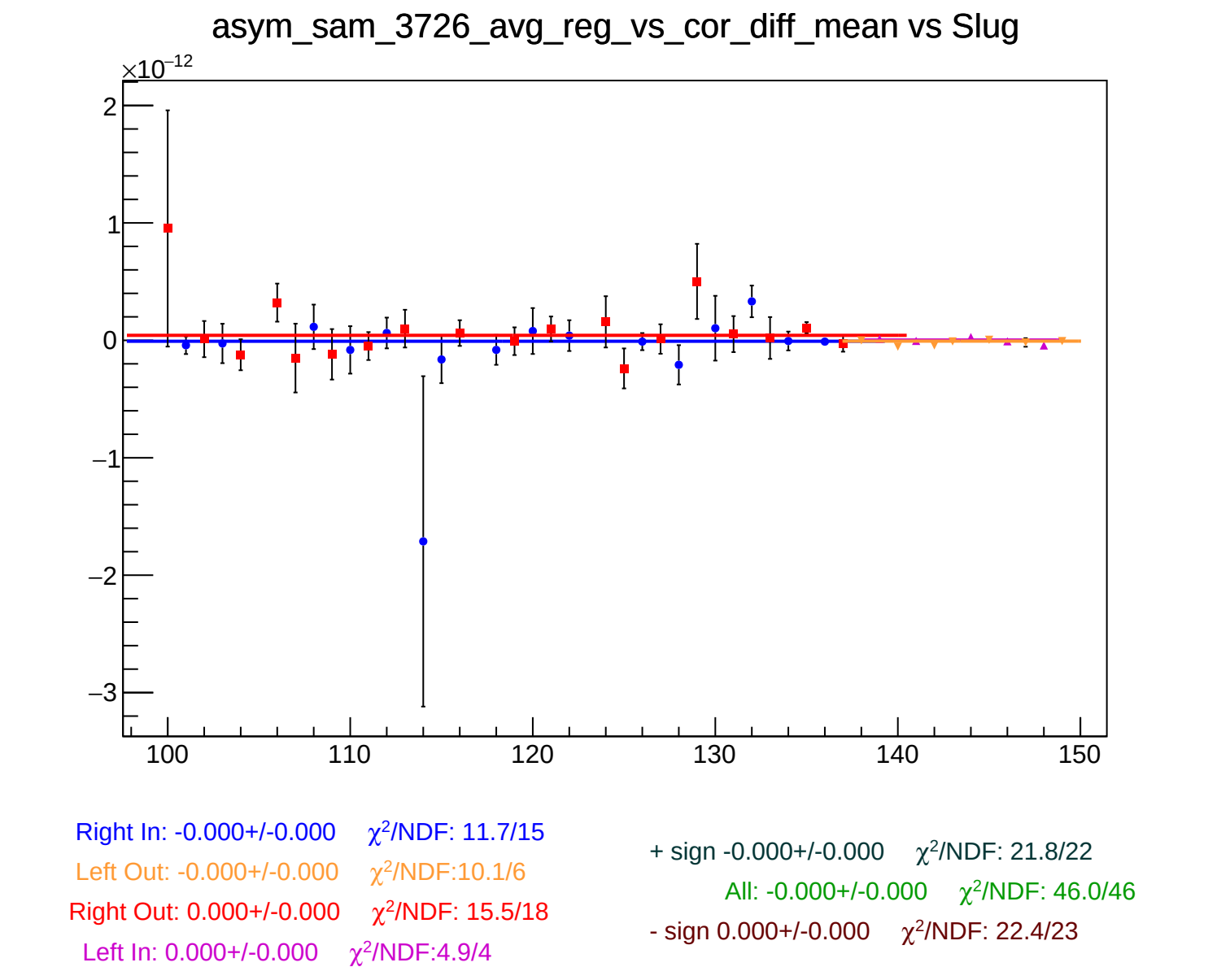
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 499.071+/-0.177 χ^2/NDF:601749.1/4

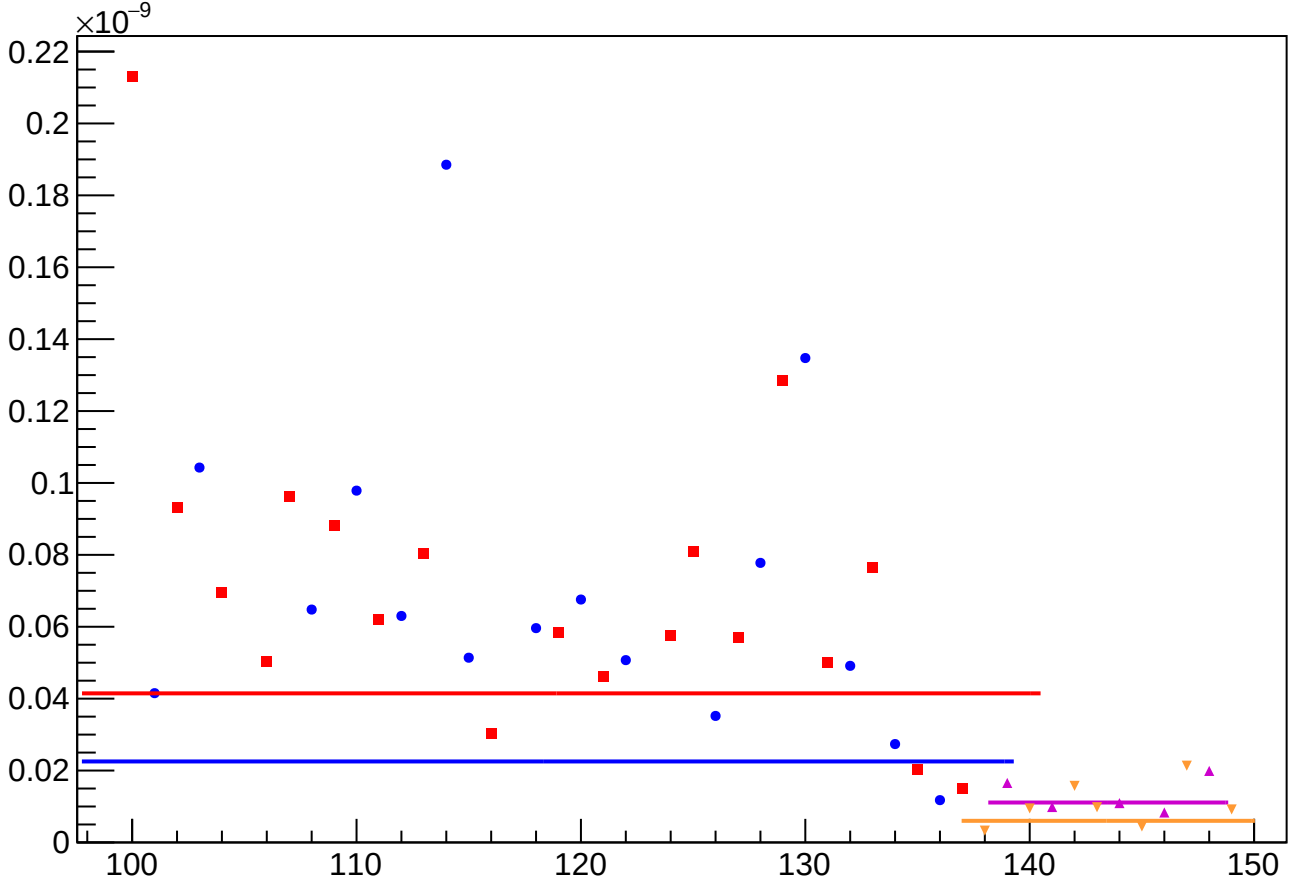
+ sign 675.488+/-0.150 χ^2/NDF: 4697505.4/22

All: 669.695+/-0.108 χ^2/NDF: 10095639.7/46

- 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:10.1/6
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: 21.8/22
All: -0.000+/-0.000 χ²/NDF: 46.0/46
- sign 0.000+/-0.000 χ²/NDF: 22.4/23

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:919078.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

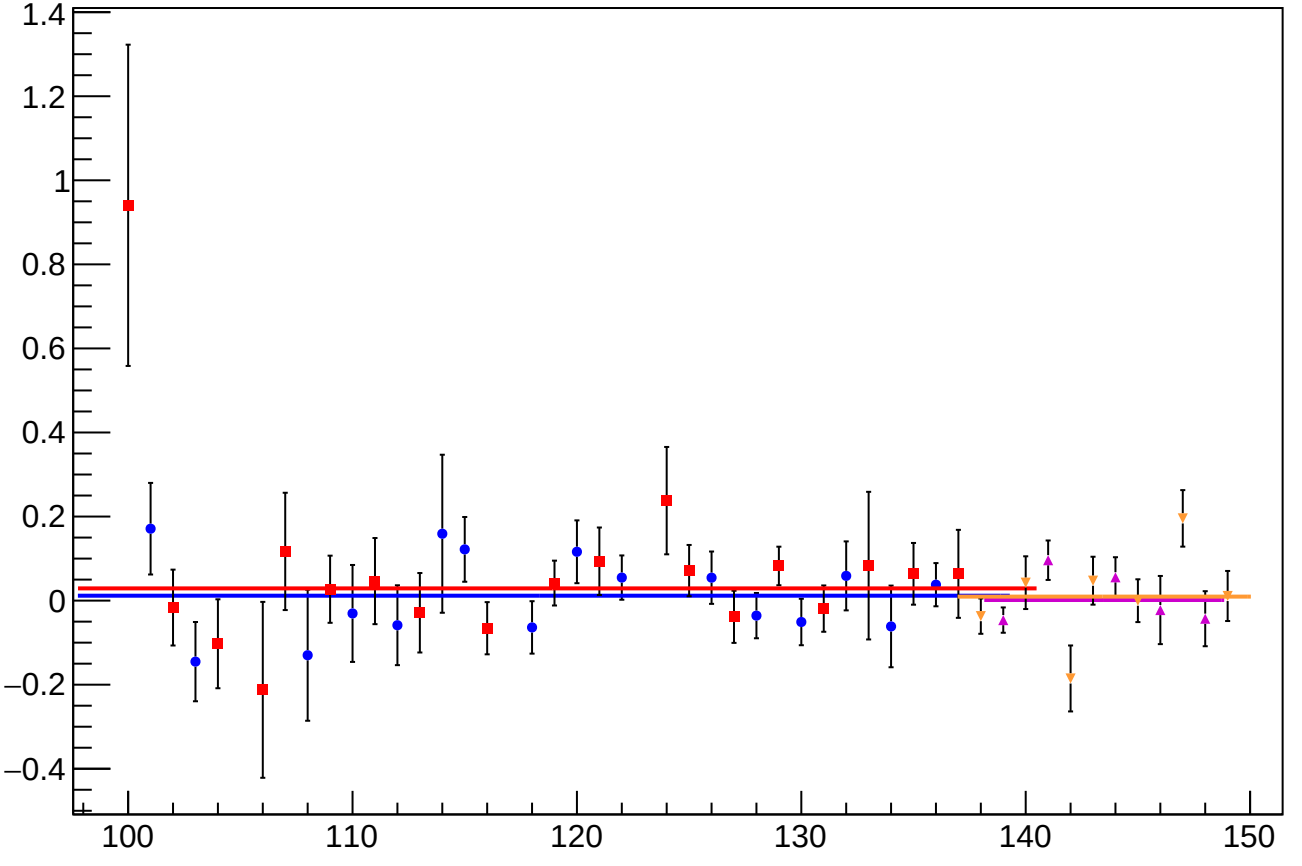
Left In: 0.000+/-0.000 χ^2/NDF:290038.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 5412080.1/22

All: 0.000+/-0.000 χ^2/NDF: 10661569.7/46

- sign 0.000+/-0.000 χ^2/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: 0.010+/-0.021 χ^2/NDF:15.8/6

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

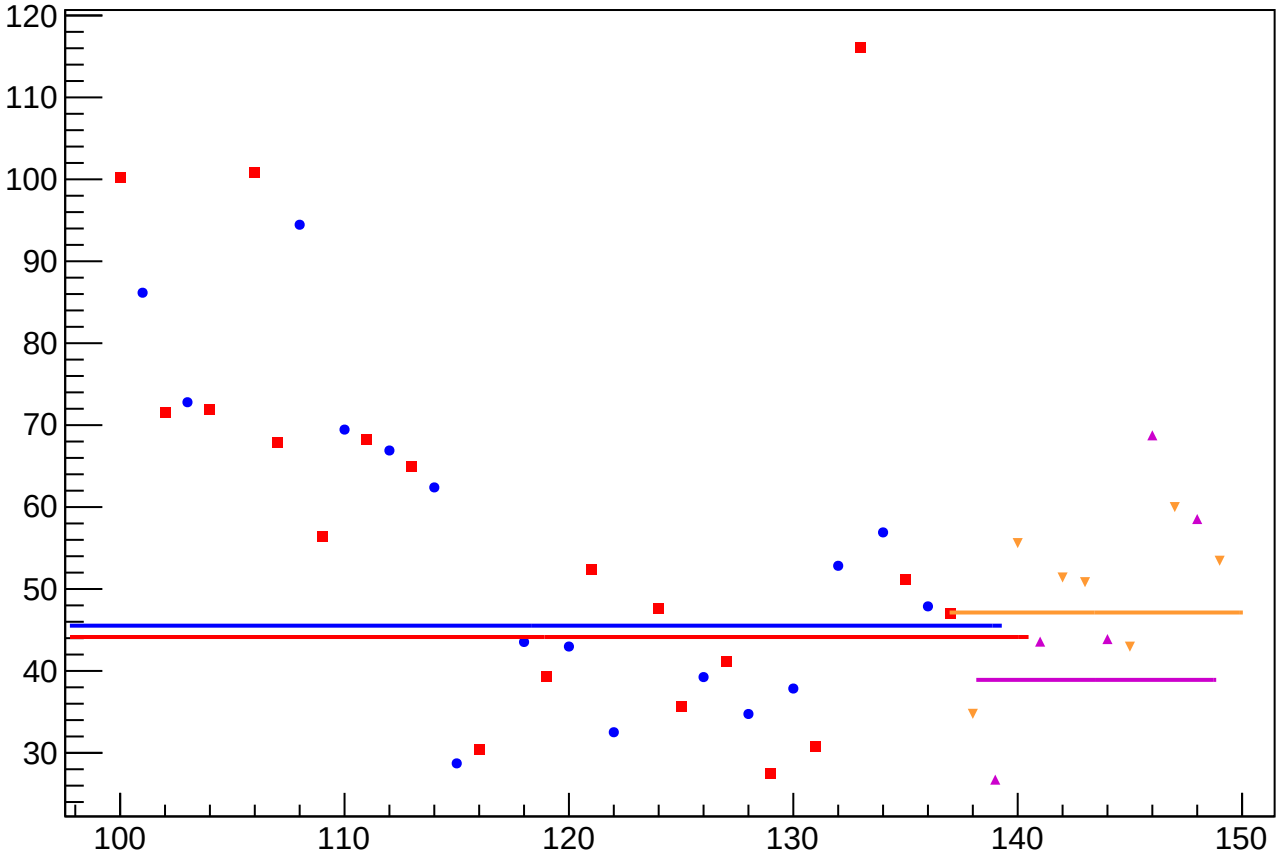
Left In: 0.001+/-0.020 χ^2/NDF:8.4/4

+ sign 0.011+/-0.014 χ^2/NDF: 32.7/22

All: 0.014+/-0.010 χ^2/NDF: 61.8/46

- 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: 47.131+/-0.015 χ^2/NDF:333135.0/6

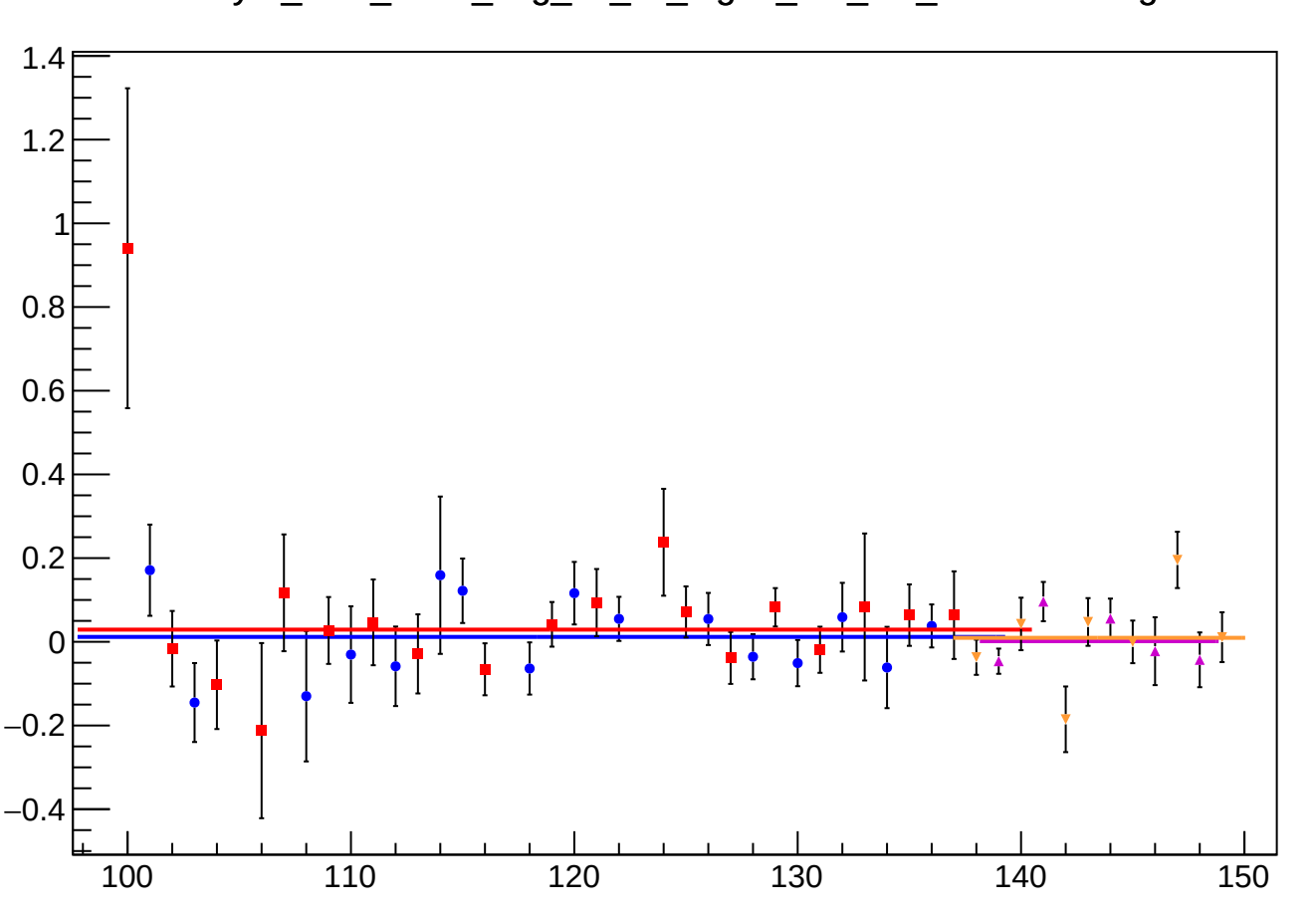
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.909+/-0.014 χ^2/NDF:819335.1/4

+ sign 46.203+/-0.010 χ^2/NDF: 1593599.2/22

All: 43.970+/-0.007 χ^2/NDF: 4329993.7/46

- 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: 0.010+/-0.021 χ^2/NDF:15.8/6

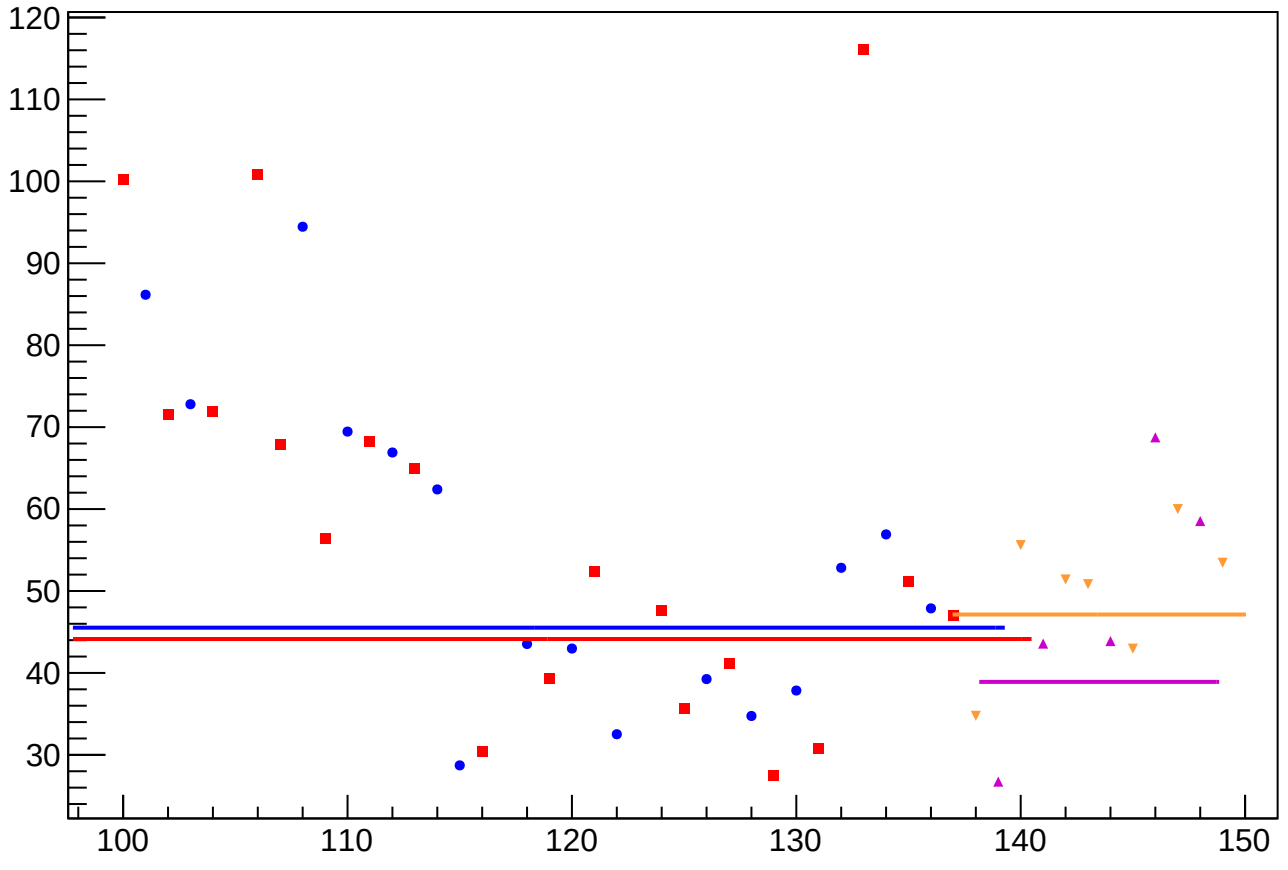
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.020 χ^2/NDF:8.4/4

+ sign 0.011+/-0.014 χ^2/NDF: 32.7/22

All: 0.014+/-0.010 χ^2/NDF: 61.8/46

- 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: 47.131+/-0.015 χ^2/NDF:333135.0/6

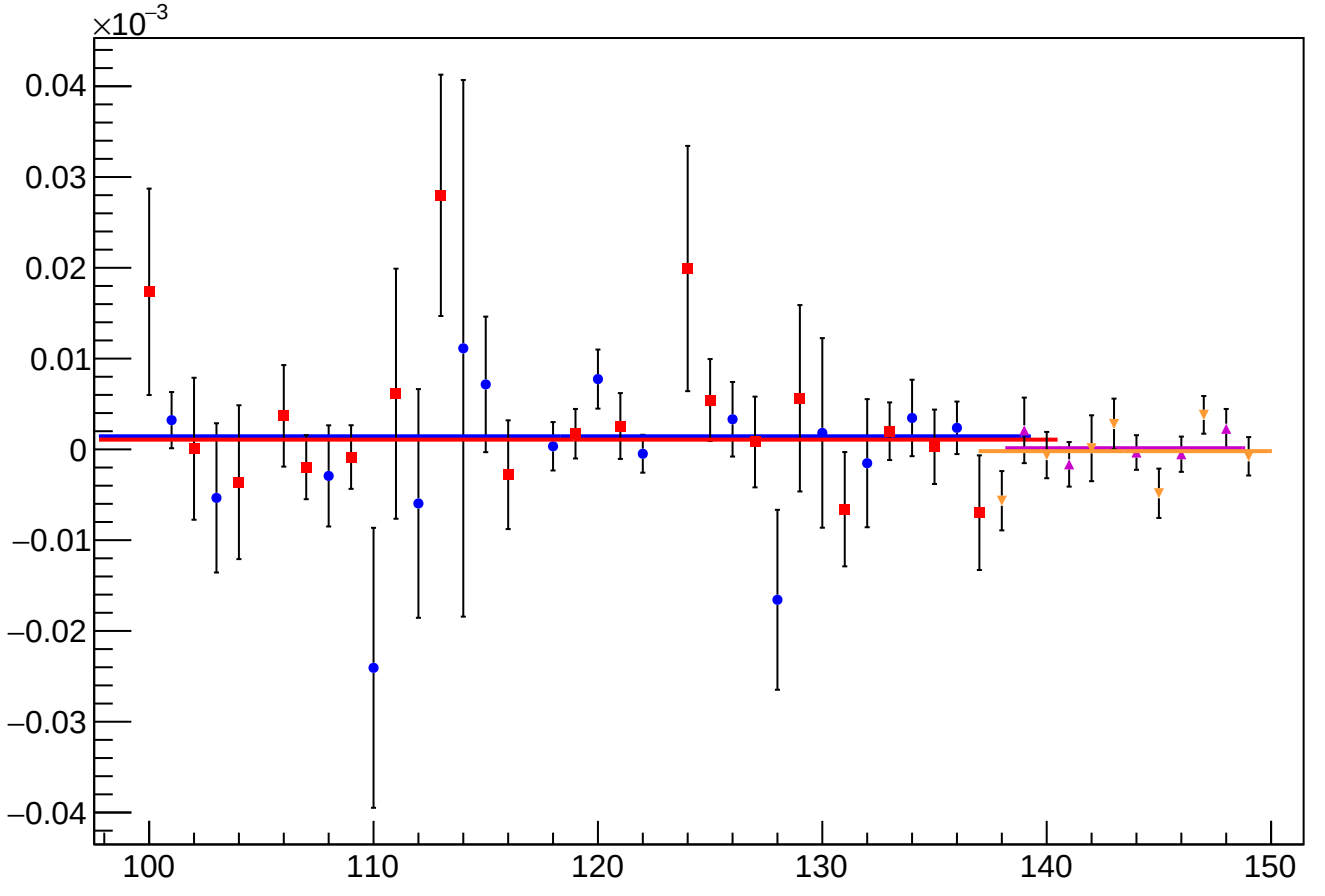
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.909+/-0.014 χ^2/NDF:819335.1/4

+ sign 46.203+/-0.010 χ^2/NDF: 1593599.2/22

All: 43.970+/-0.007 χ^2/NDF: 4329993.7/46

- 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:10.7/6

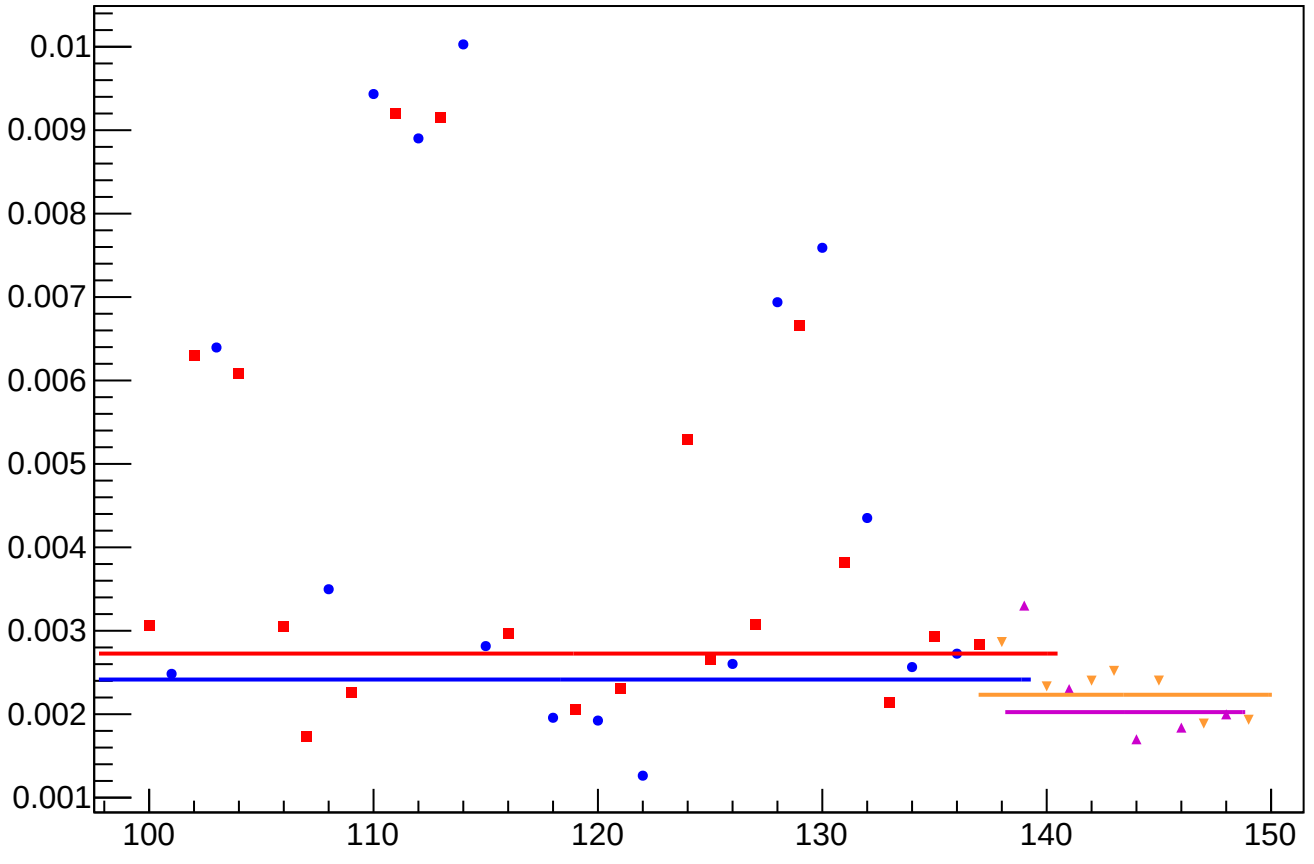
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 26.2/22

All: 0.000+/-0.000 χ^2/NDF: 43.4/46

- 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:206560.5/6

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

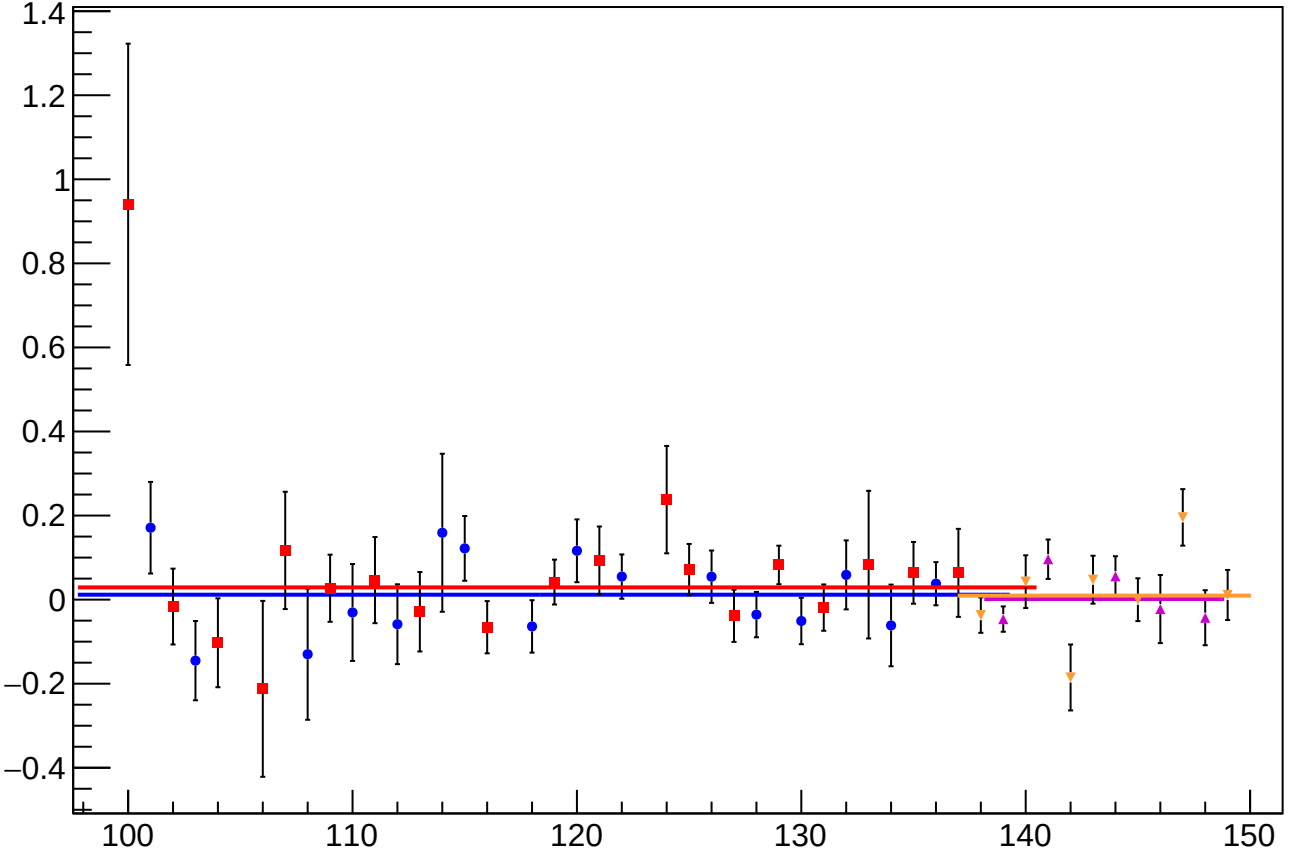
Left In: 0.002+/-0.000 χ^2/NDF:352322.8/4

+ sign 0.002+/-0.000 χ^2/NDF: 3671244.8/22

All: 0.002+/-0.000 χ^2/NDF: 6963542.2/46

- sign 0.002+/-0.000 χ^2/NDF: 3291666.9/23

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.010+/-0.021 χ^2/NDF:15.8/6

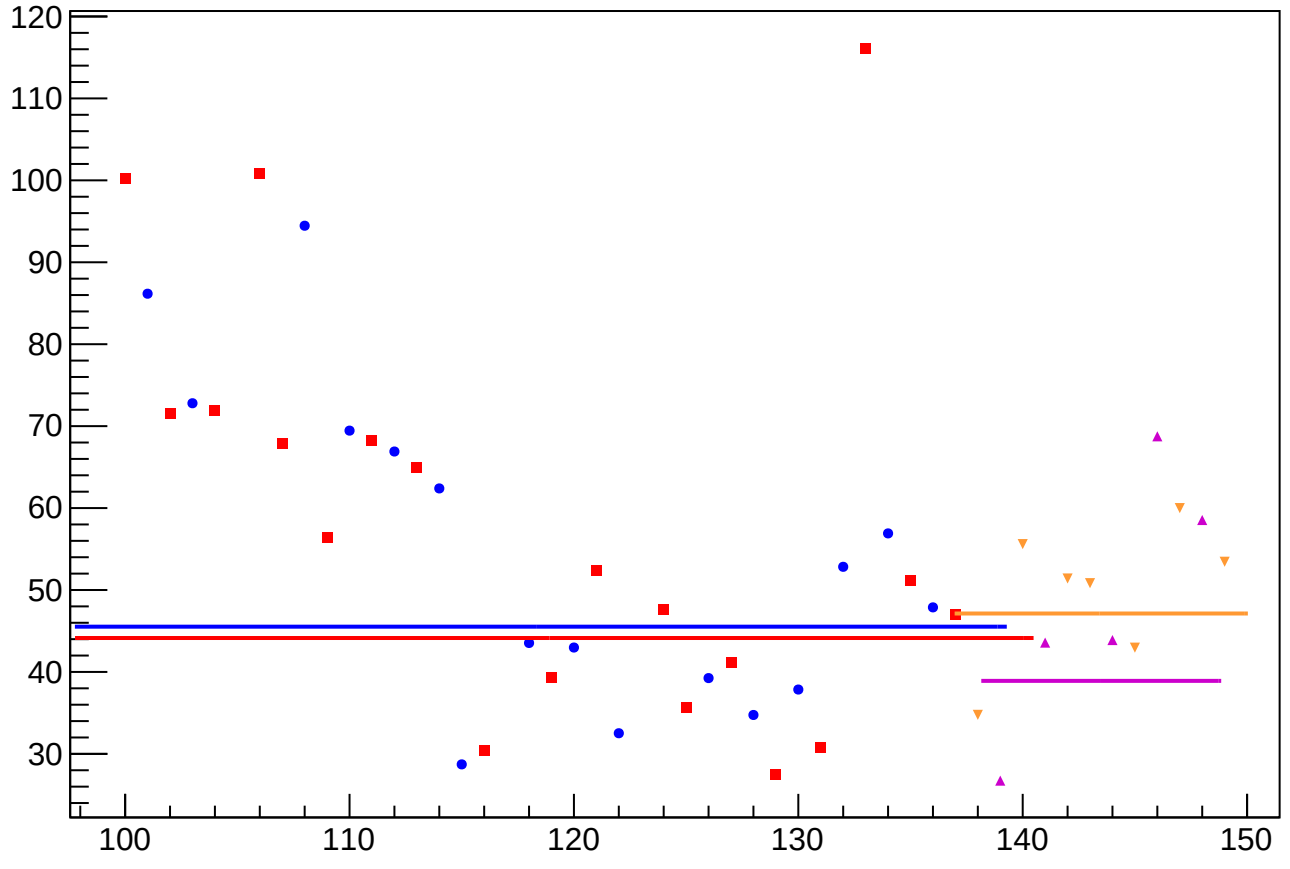
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.020 χ^2/NDF:8.4/4

+ sign 0.011+/-0.014 χ^2/NDF: 32.7/22

All: 0.014+/-0.010 χ^2/NDF: 61.8/46

- 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: 47.132+/-0.015 χ^2/NDF:333150.7/6

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

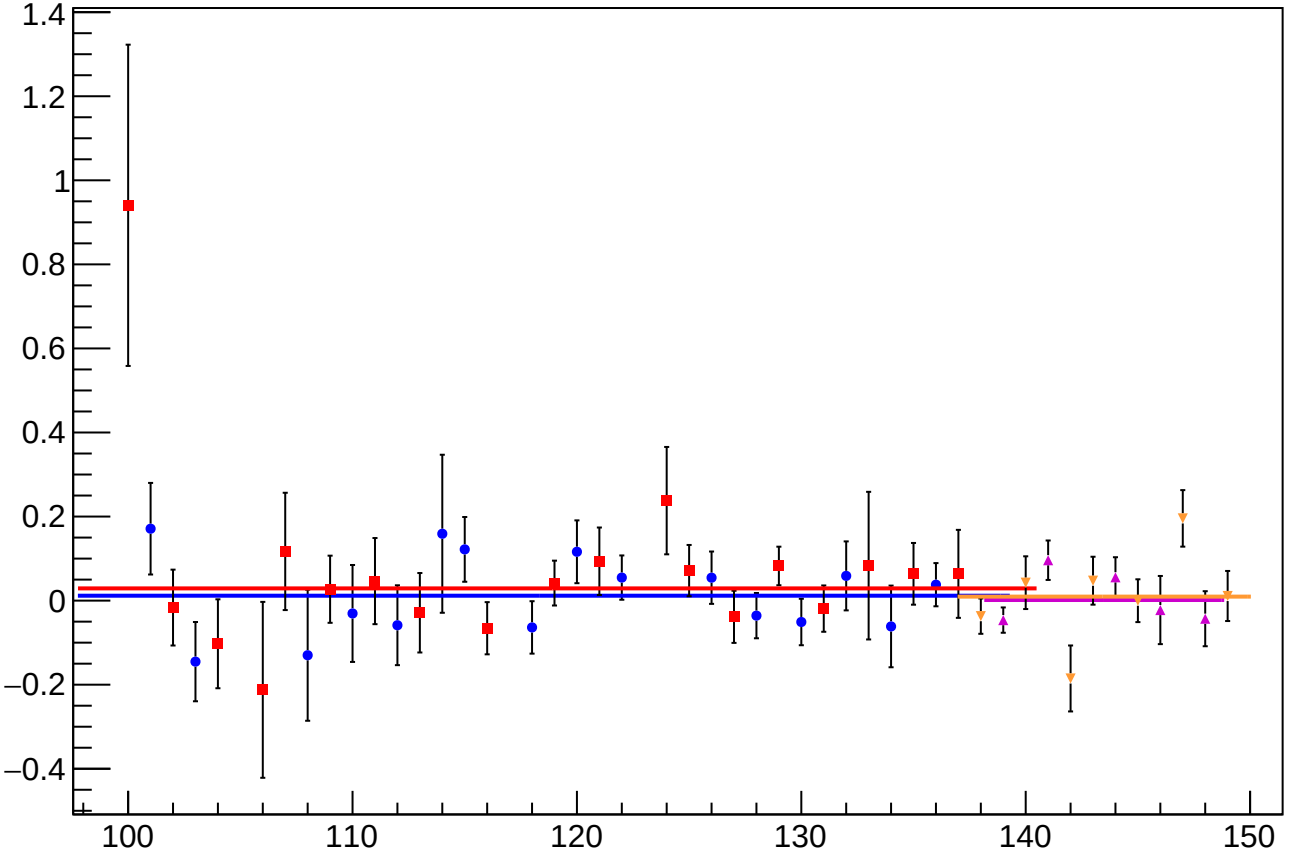
Left In: 38.910+/-0.014 χ^2/NDF:819355.2/4

+ sign 46.203+/-0.010 χ^2/NDF: 1593572.5/22

All: 43.971+/-0.007 χ^2/NDF: 4329900.7/46

- 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: 0.010+/-0.021 χ^2/NDF:15.8/6

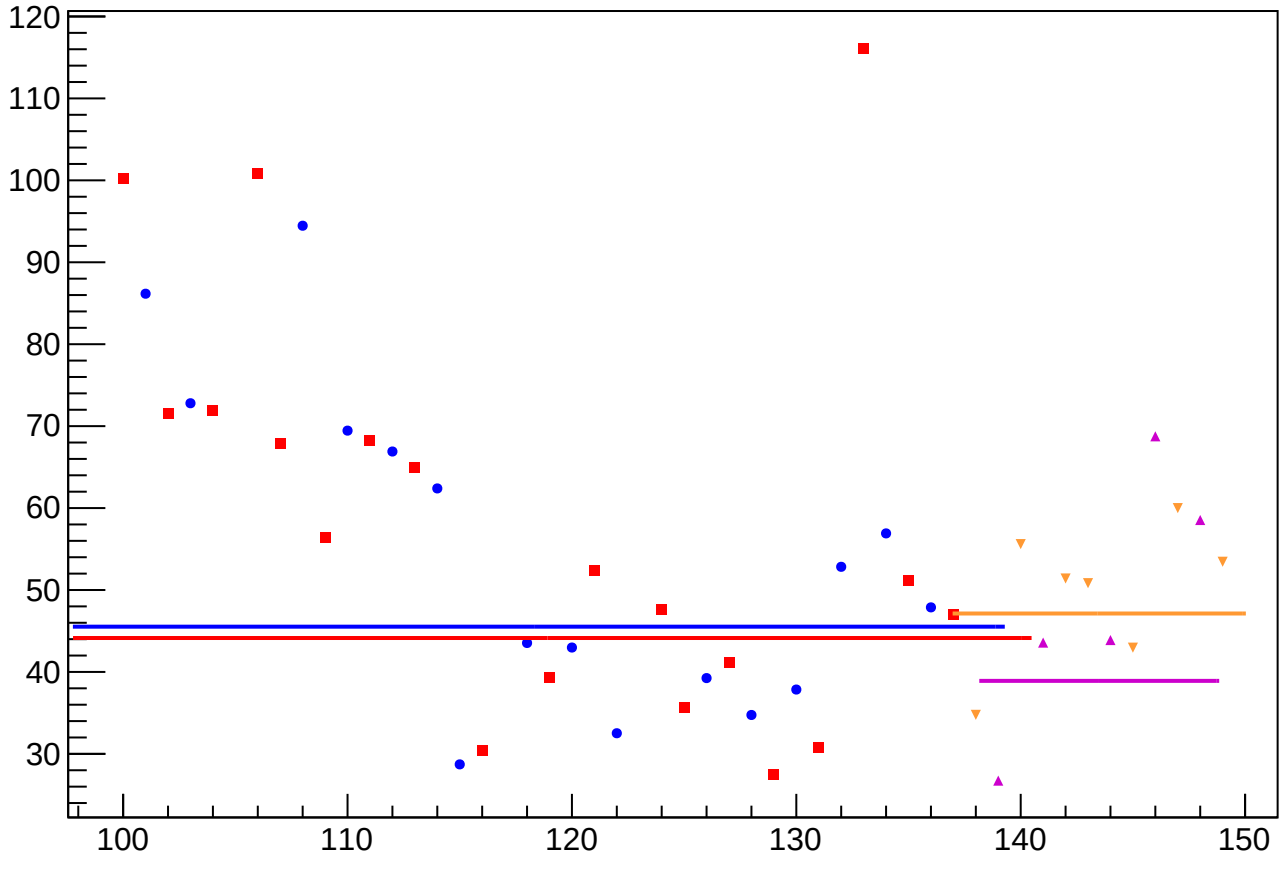
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.020 χ^2/NDF:8.4/4

+ sign 0.011+/-0.014 χ^2/NDF: 32.7/22

All: 0.014+/-0.010 χ^2/NDF: 61.8/46

- 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: 47.132+/-0.015 χ^2/NDF:333150.7/6

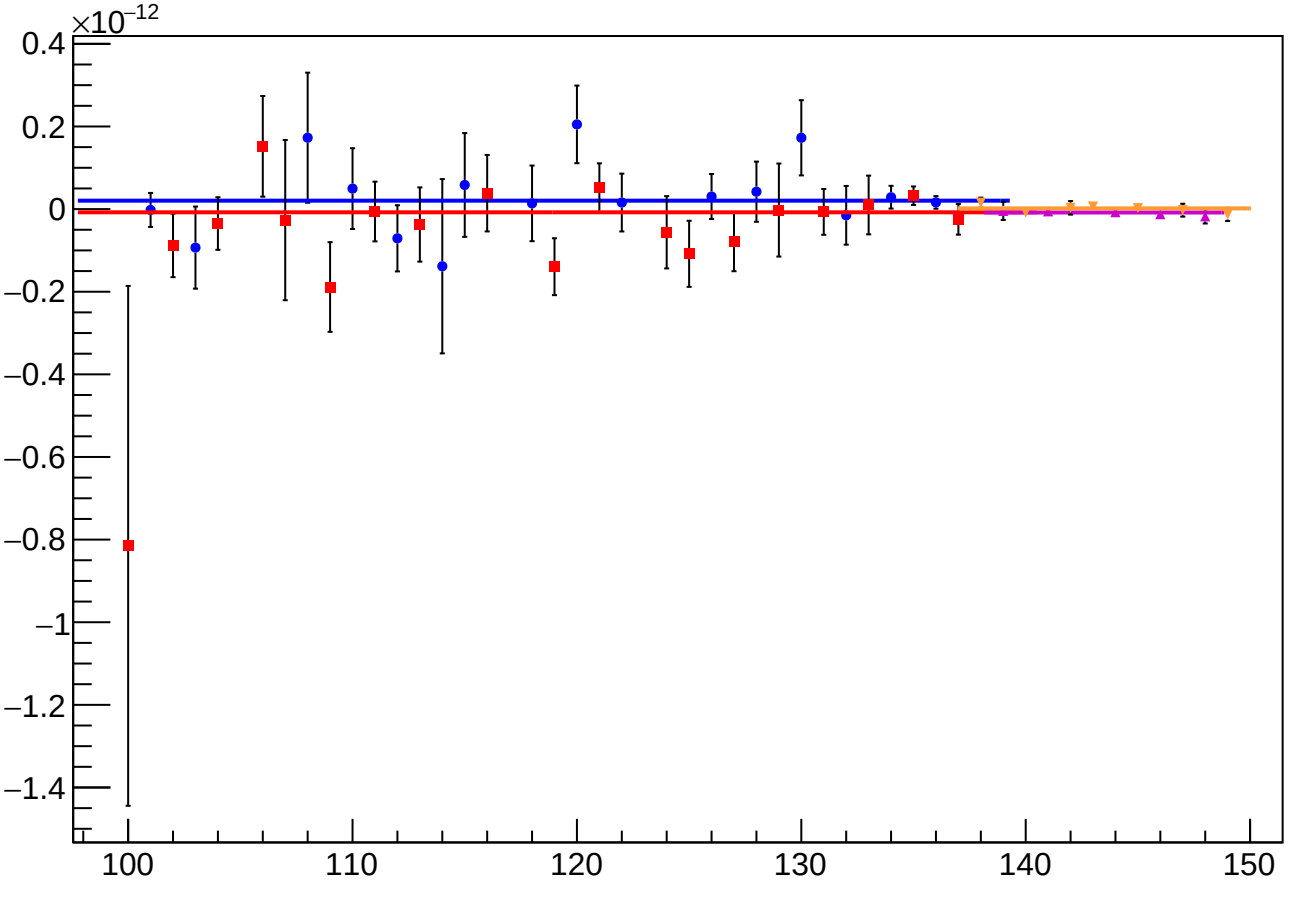
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 38.910+/-0.014 χ^2/NDF:819355.2/4

+ sign 46.203+/-0.010 χ^2/NDF: 1593572.5/22

All: 43.971+/-0.007 χ^2/NDF: 4329900.7/46

- 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:3.2/6

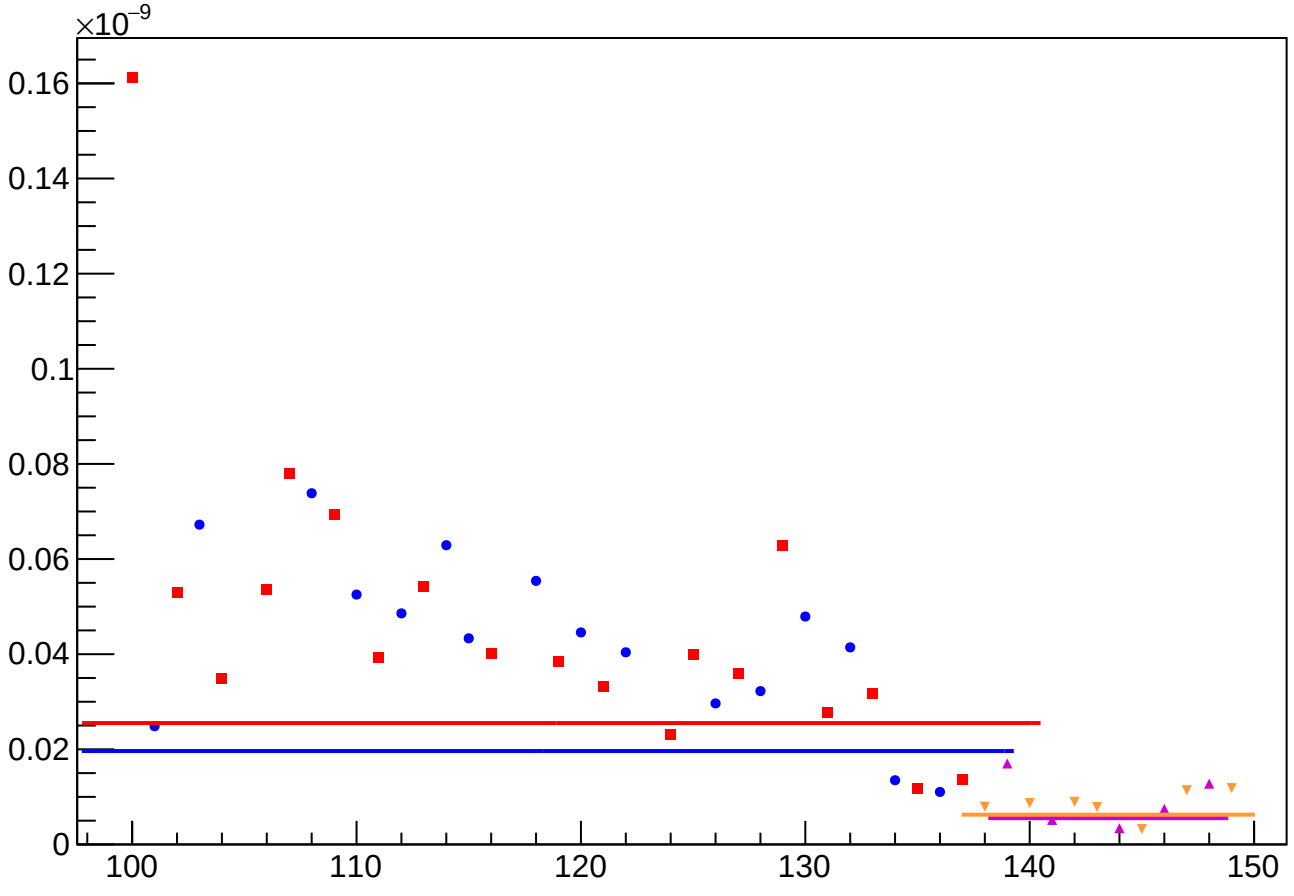
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 17.5/22

All: -0.000+/-0.000 χ^2/NDF: 41.9/46

- 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:1283131.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

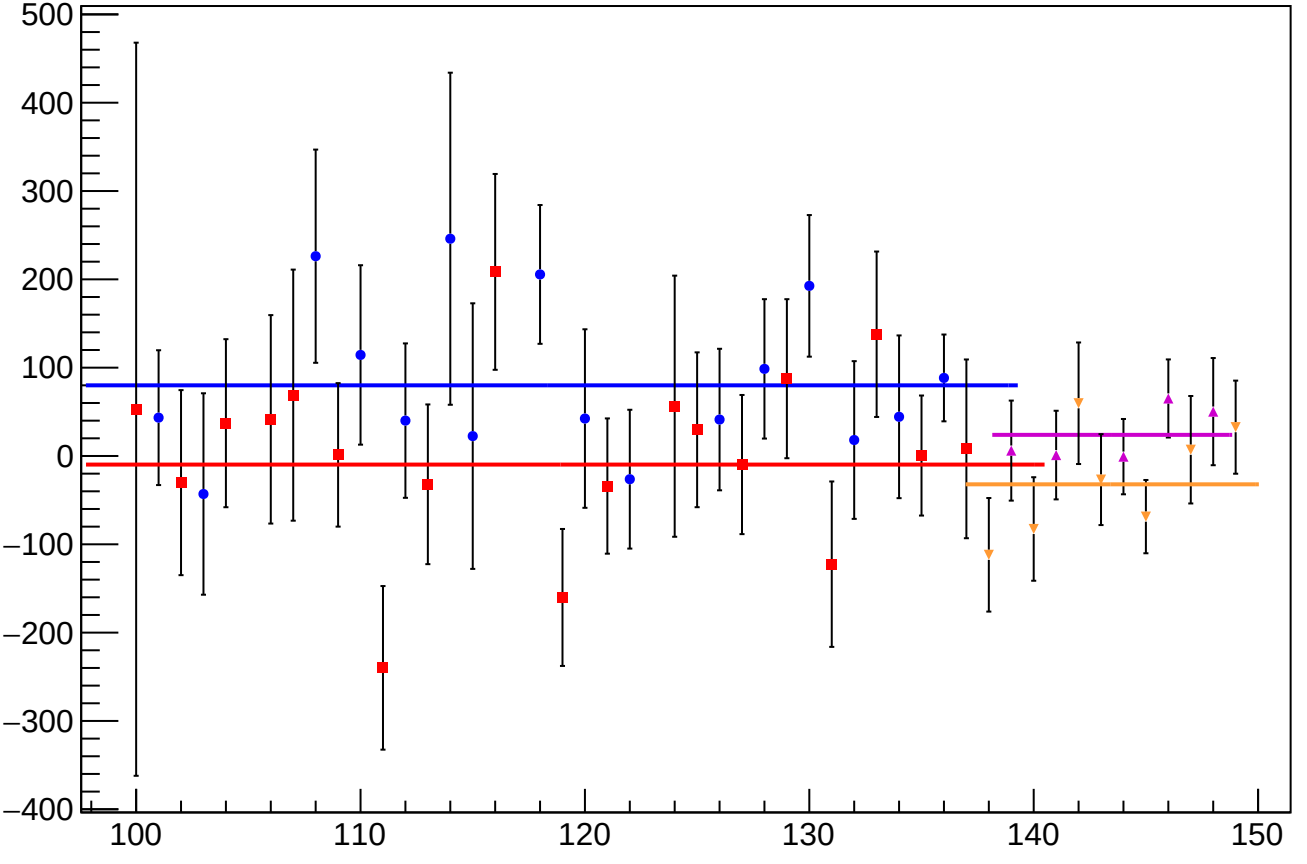
Left In: 0.000+/-0.000 χ^2/NDF:1245910.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 7082696.9/22

All: 0.000+/-0.000 χ^2/NDF: 14968261.6/46

- 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: -32.084+/-20.704 χ^2/NDF:6.8/6

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

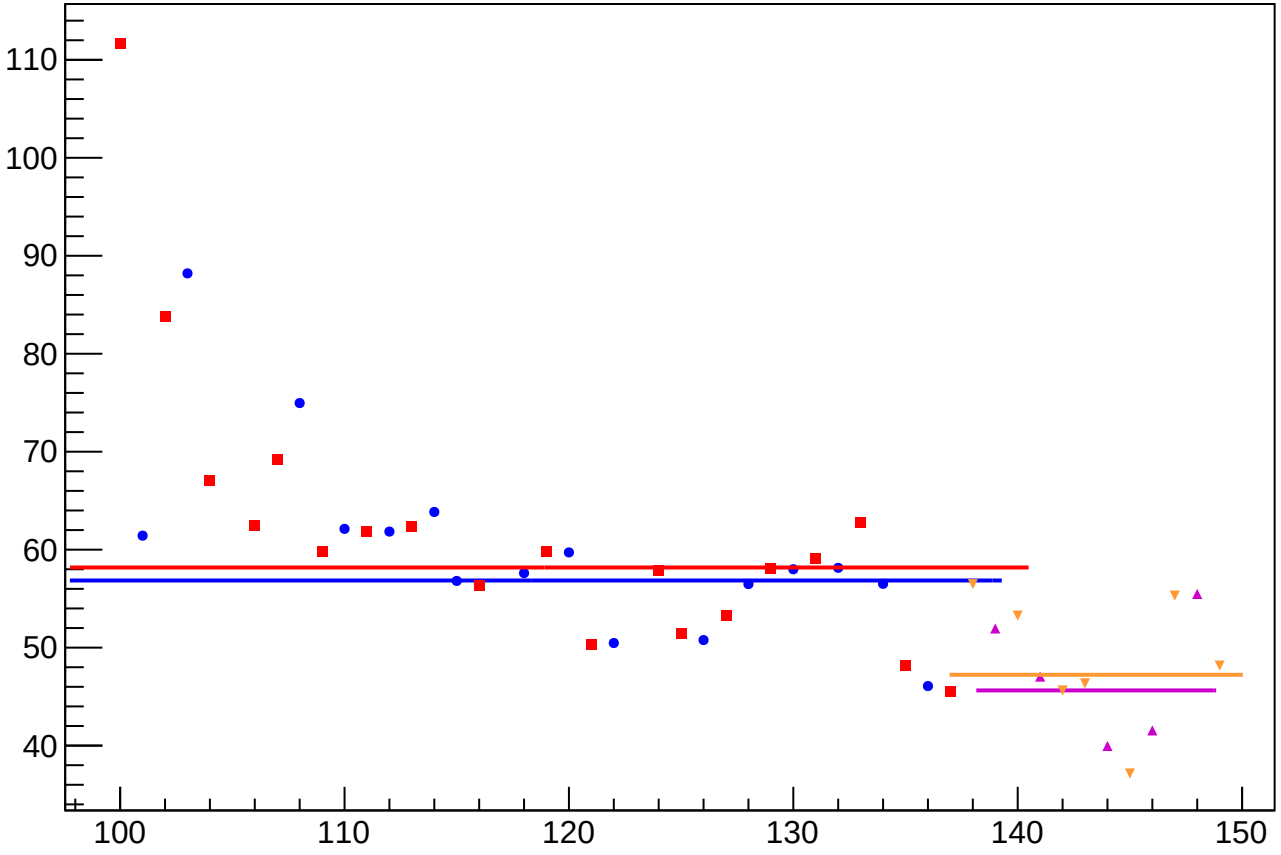
Left In: 23.919+/-22.129 χ^2/NDF:1.7/4

+ sign 21.909+/-14.905 χ^2/NDF: 32.4/22

All: 14.585+/-10.731 χ^2/NDF: 56.2/46

- 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: 47.228+/-0.015 χ^2/NDF:218225.8/6

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

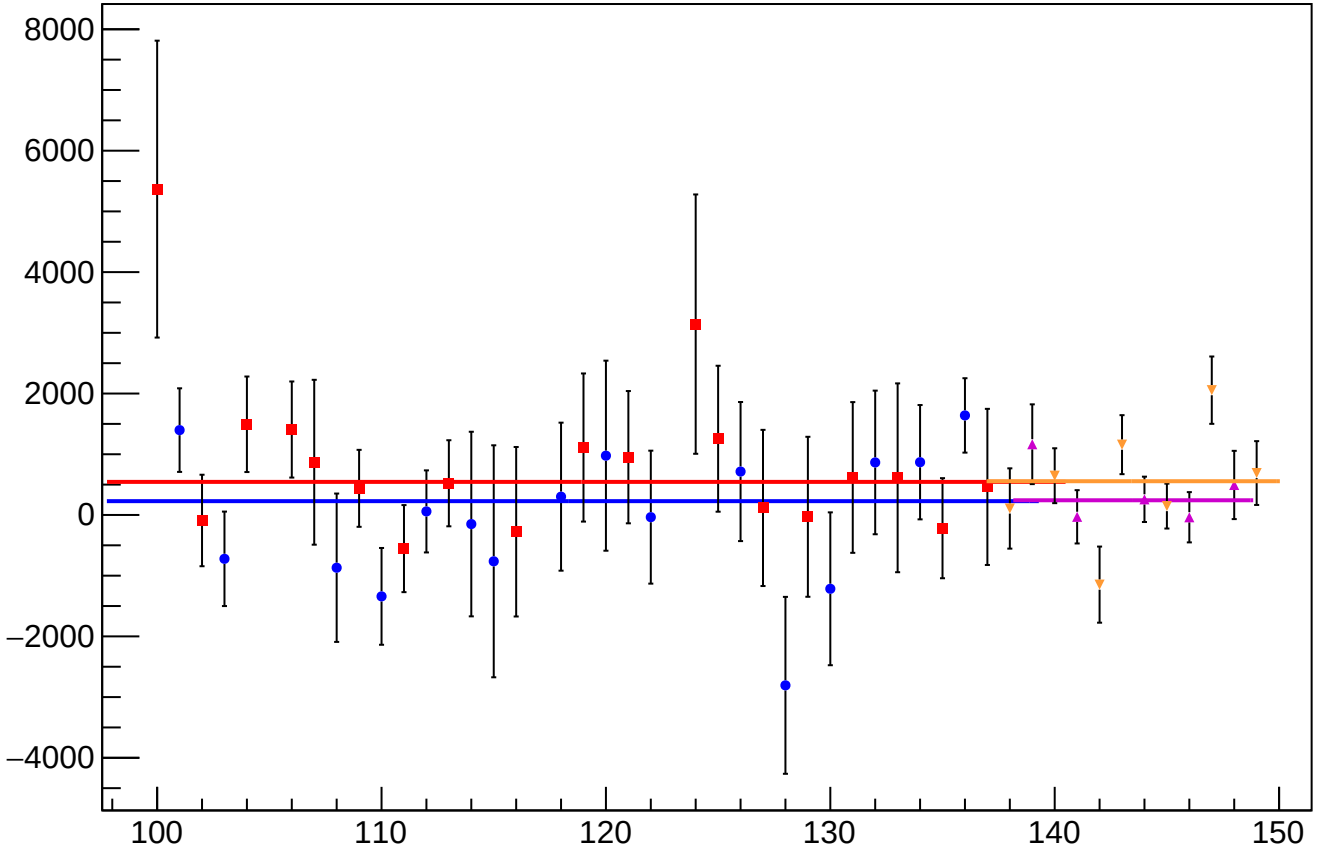
Left In: 45.634+/-0.016 χ^2/NDF:131573.9/4

+ sign 51.865+/-0.011 χ^2/NDF: 768118.1/22

All: 51.956+/-0.008 χ^2/NDF: 1543558.6/46

- 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: 555.805+/-188.487 χ^2/NDF:18.0/6

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

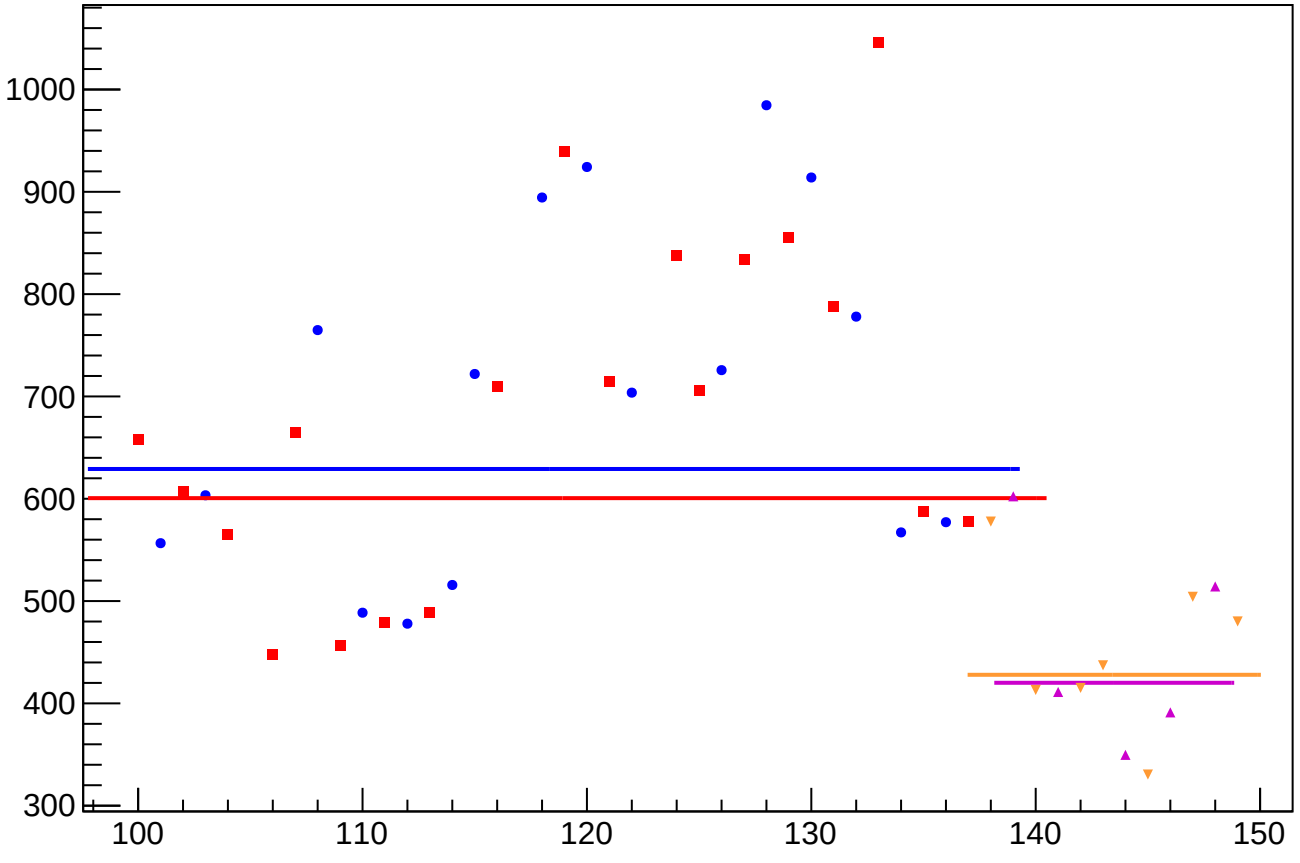
Left In: 241.950+/-205.514 χ^2/NDF:3.0/4

+ sign 431.350+/-148.523 χ^2/NDF: 40.8/22

All: 405.461+/-106.374 χ^2/NDF: 58.2/46

- sign 378.193+/-152.425 χ^2/NDF: 17.4/23

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 427.935+/-0.133 χ^2/NDF:302779.3/6

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

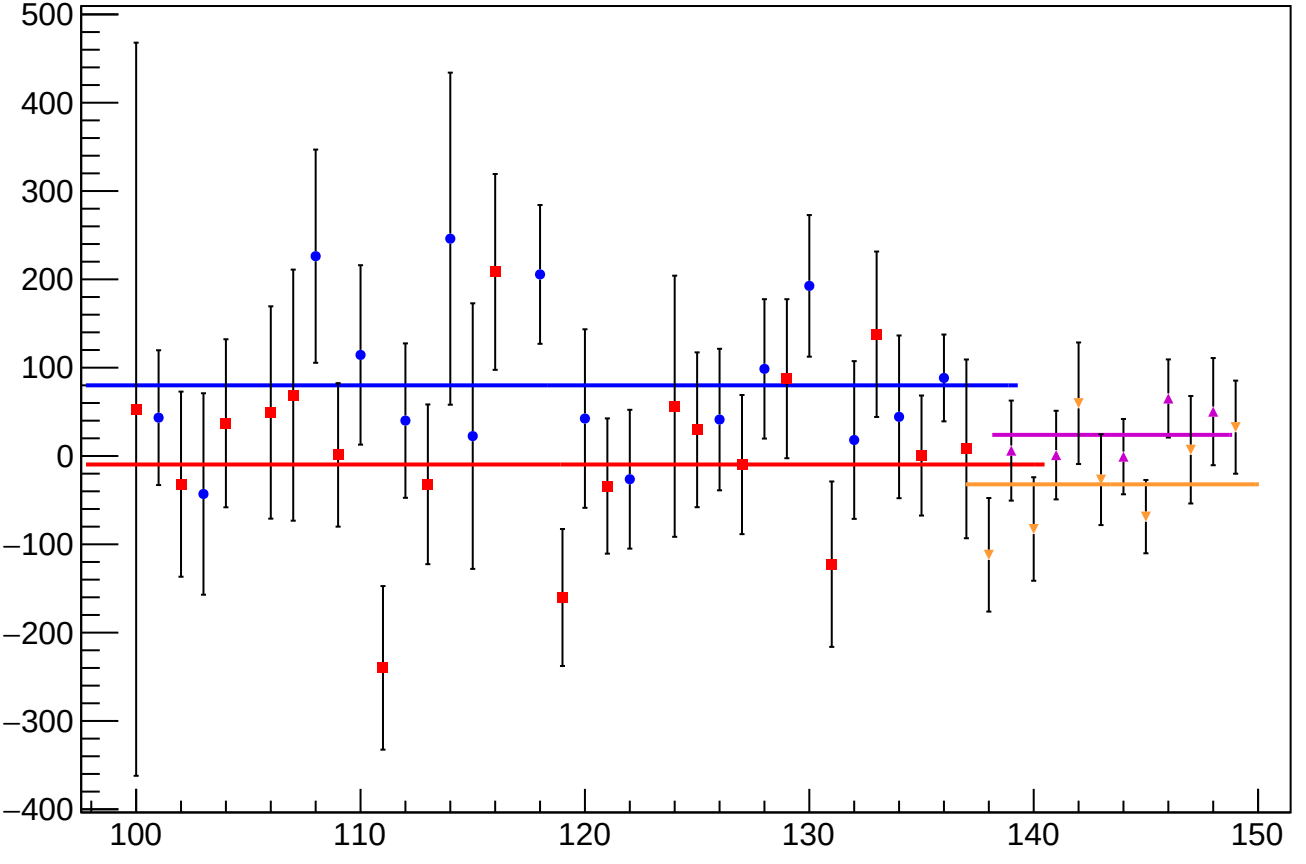
Left In: 420.122+/-0.145 χ^2/NDF:291743.6/4

+ sign 504.194+/-0.105 χ^2/NDF: 1859071.7/22

All: 502.794+/-0.075 χ^2/NDF: 3719687.9/46

- 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: -32.090+/-20.704 χ^2/NDF:6.8/6

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

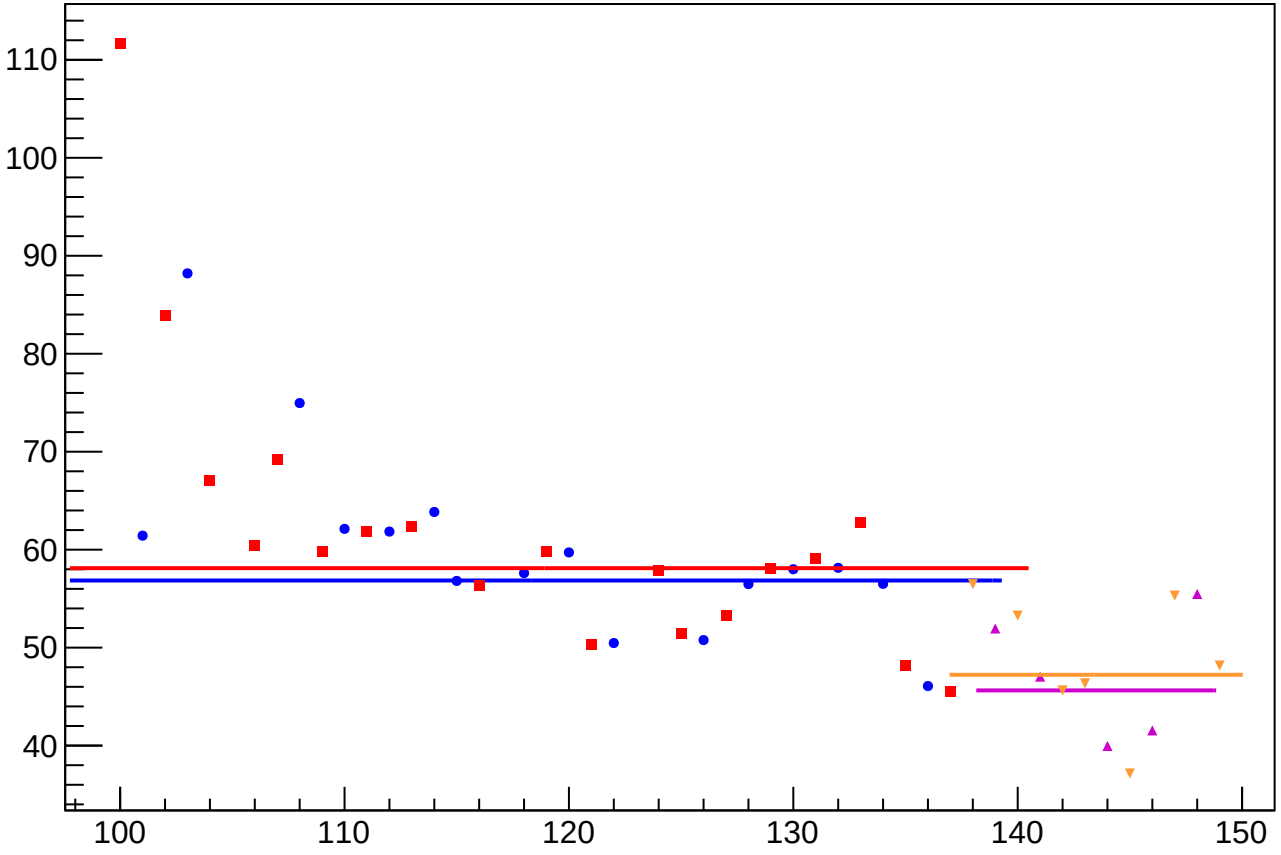
Left In: 23.923+/-22.129 χ^2/NDF:1.7/4

+ sign 21.908+/-14.905 χ^2/NDF: 32.4/22

All: 14.620+/-10.733 χ^2/NDF: 56.2/46

- 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: 47.228+/-0.015 χ^2/NDF:218225.8/6

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

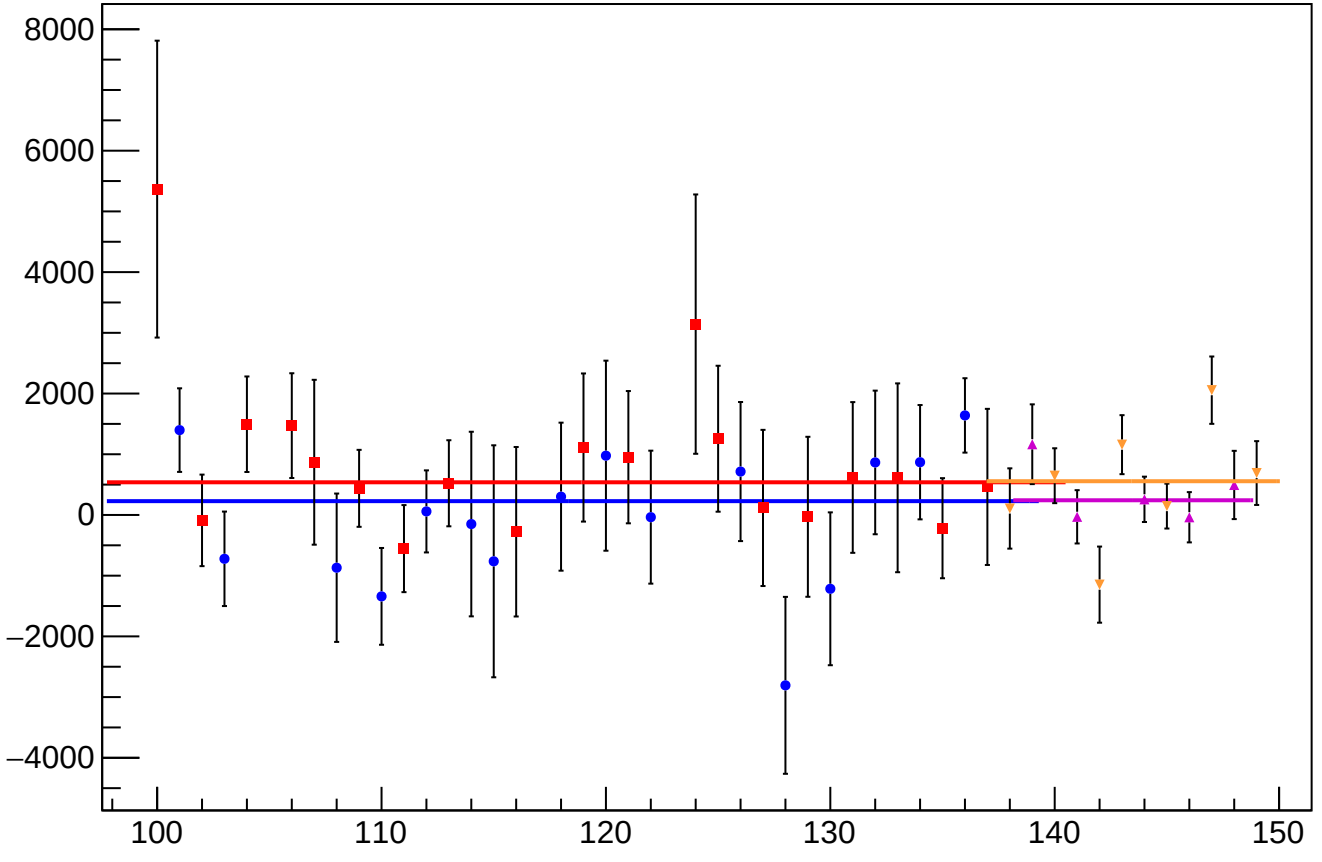
Left In: 45.634+/-0.016 χ^2/NDF:131573.9/4

+ sign 51.865+/-0.011 χ^2/NDF: 768122.1/22

All: 51.937+/-0.008 χ^2/NDF: 1537883.3/46

- 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: 555.801+/-188.487 χ^2/NDF:18.0/6

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

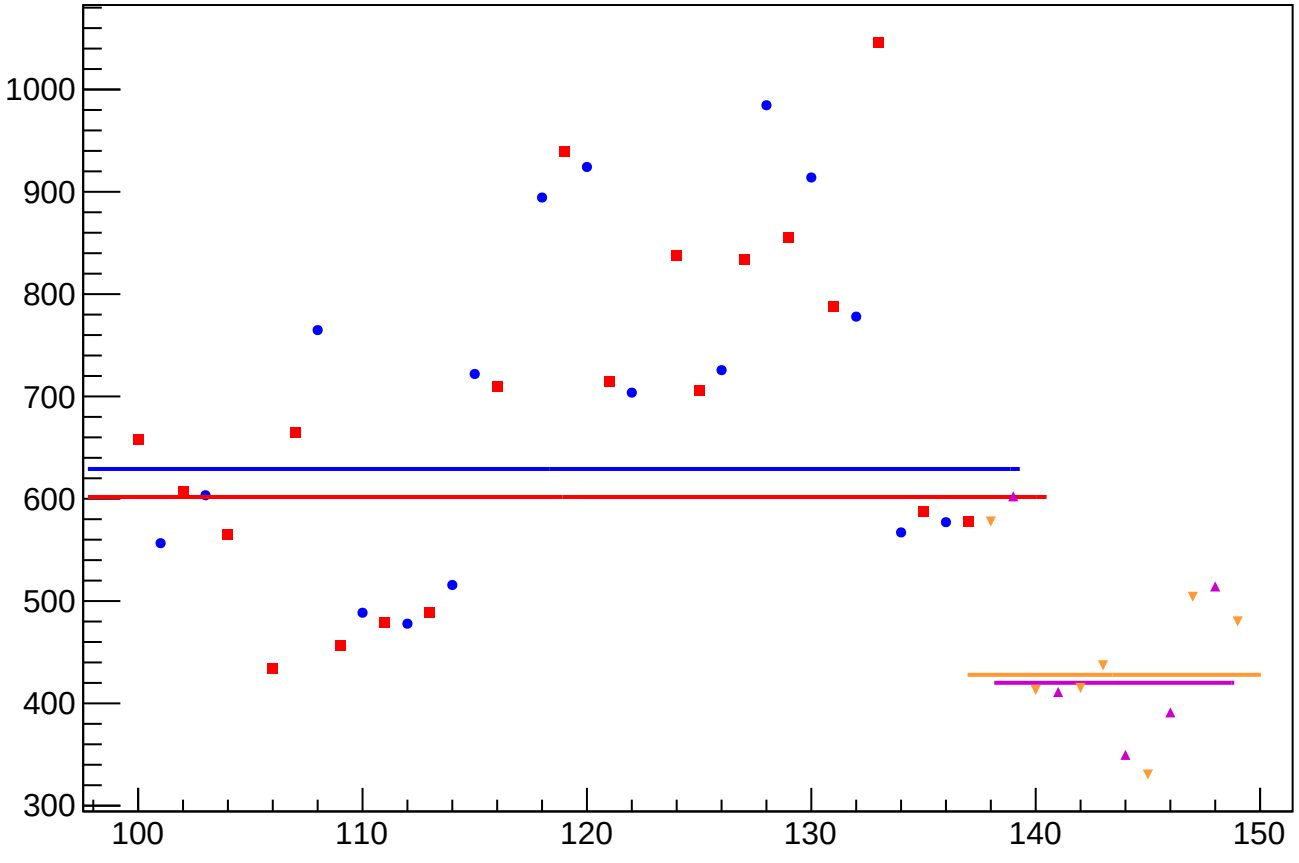
Left In: 241.956+/-205.514 χ^2/NDF:3.0/4

+ sign 431.363+/-148.524 χ^2/NDF: 40.8/22

All: 403.623+/-106.528 χ^2/NDF: 58.2/46

- 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: 427.935+/-0.133 χ^2/NDF:302779.9/6

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

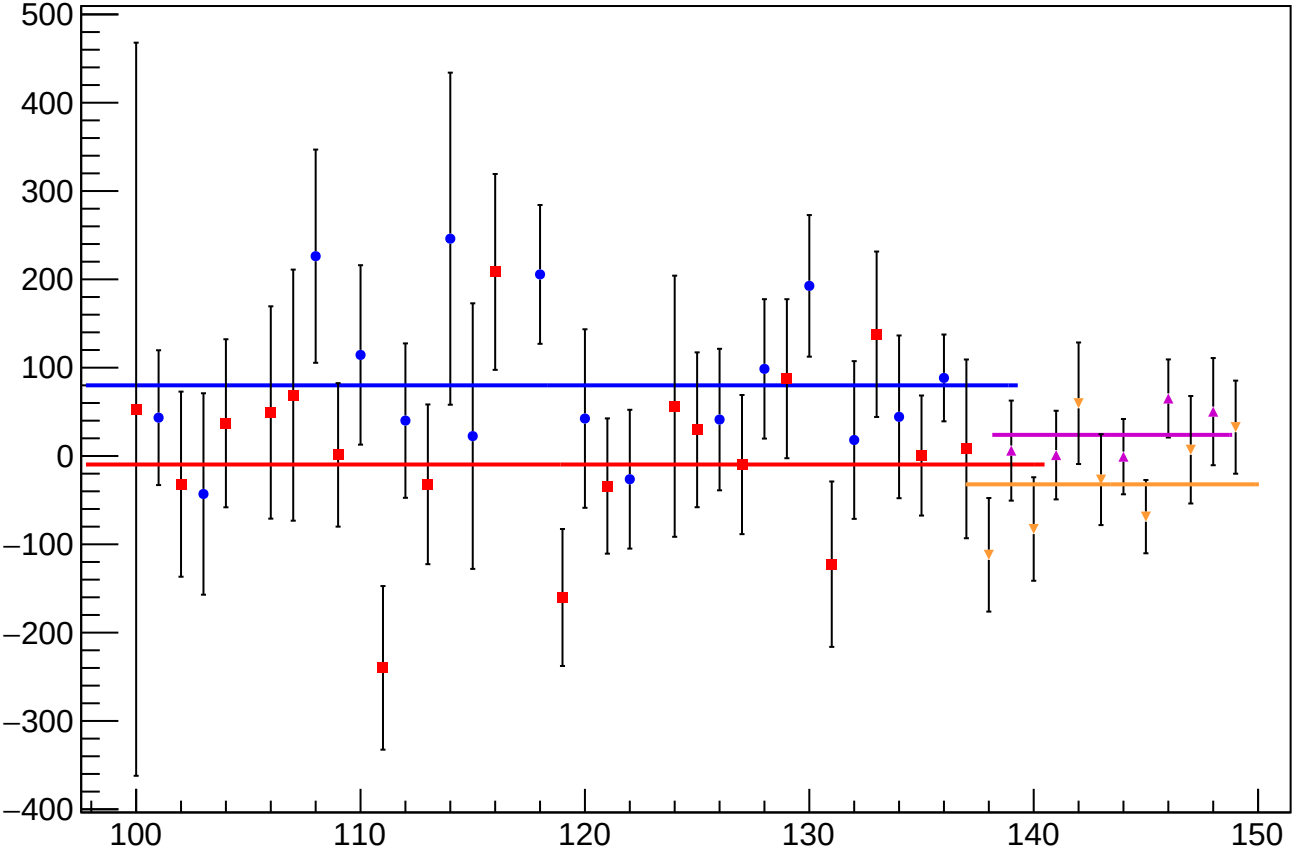
Left In: 420.123+/-0.145 χ^2/NDF:291742.8/4

\+ sign 504.195+/-0.105 χ^2/NDF: 1859098.8/22

All: 502.756+/-0.075 χ^2/NDF: 3722737.9/46

\- 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: -32.090+/-20.704 χ^2/NDF:6.8/6

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

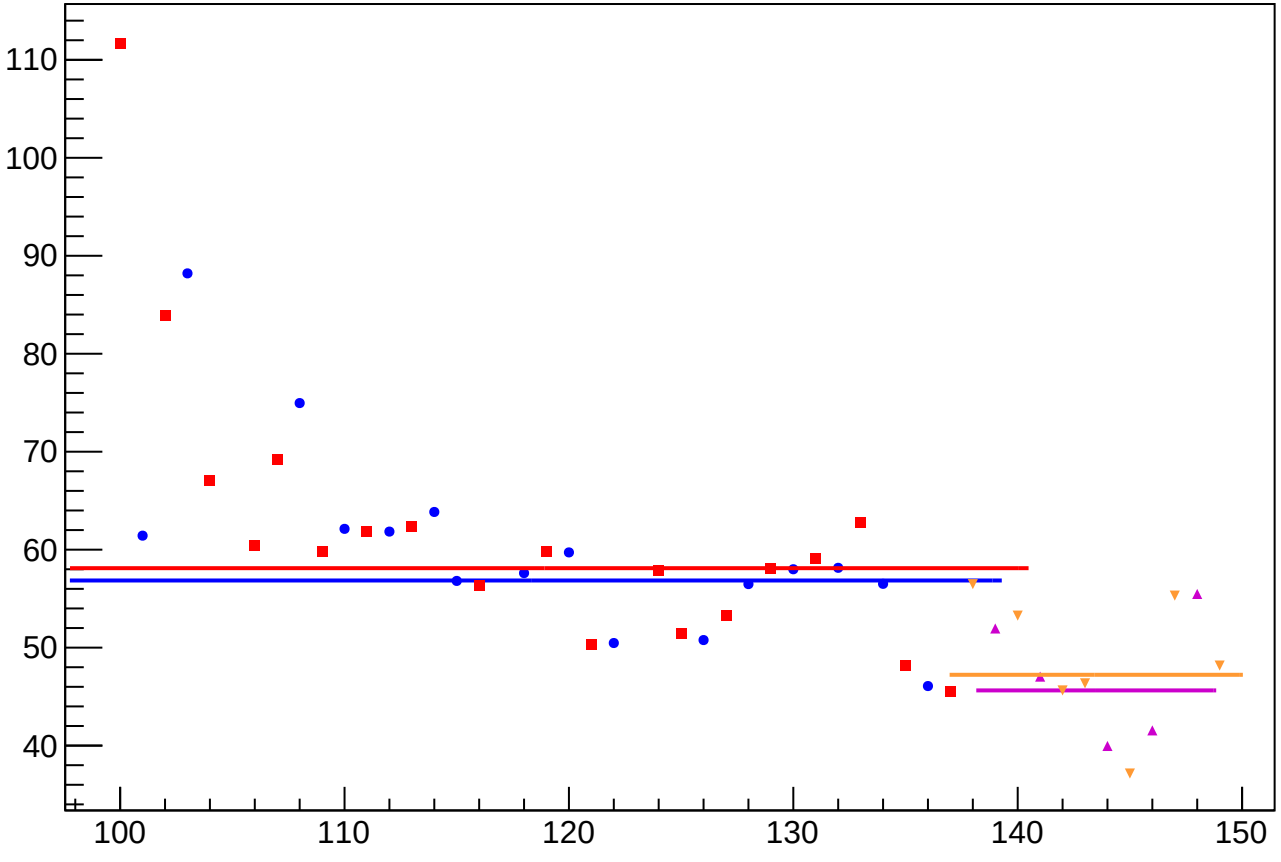
Left In: 23.923+/-22.129 χ^2/NDF:1.7/4

+ sign 21.908+/-14.905 χ^2/NDF: 32.4/22

All: 14.620+/-10.733 χ^2/NDF: 56.2/46

- 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: 47.228+/-0.015 χ^2/NDF:218225.8/6

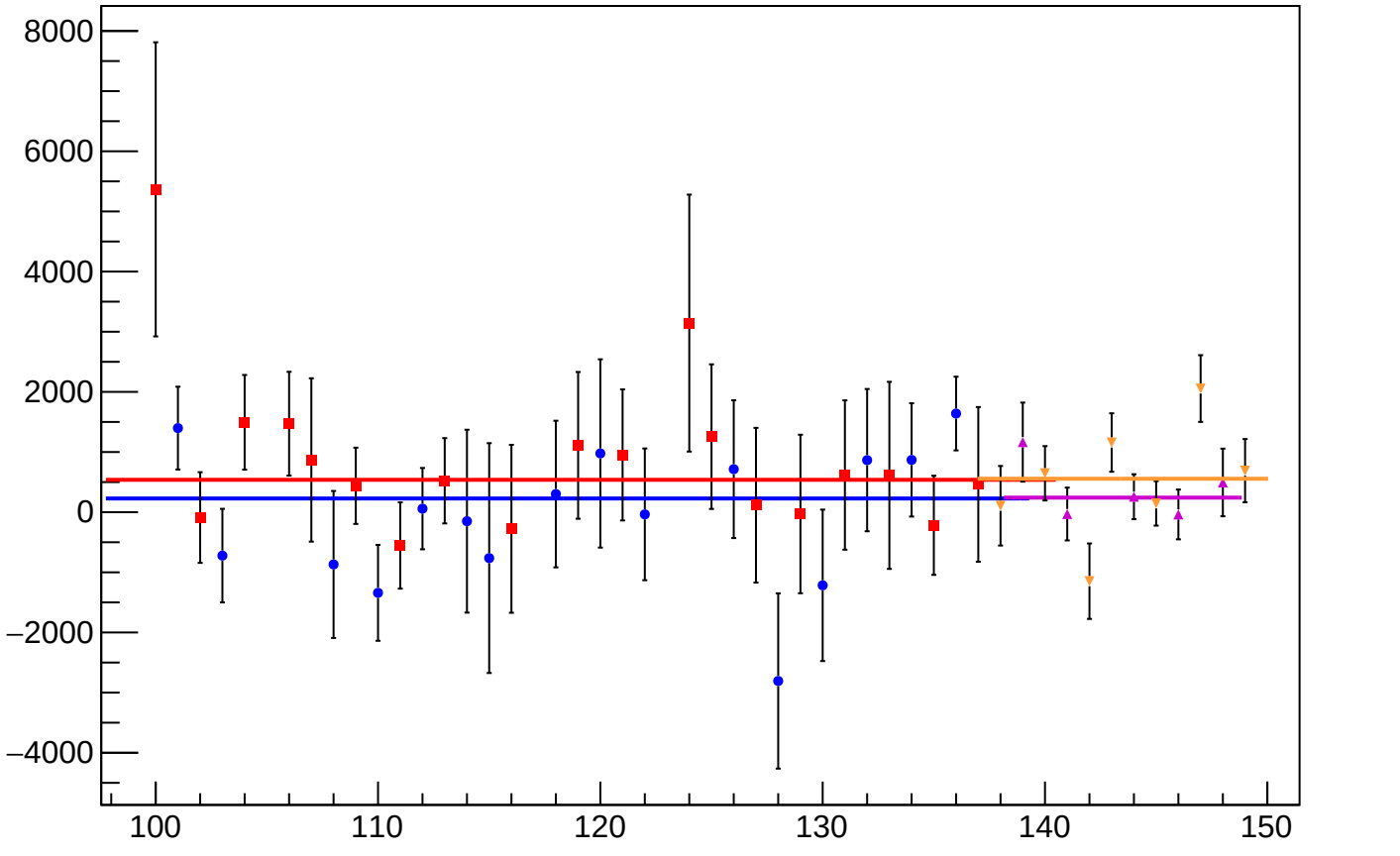
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 45.634+/-0.016 χ^2/NDF:131573.9/4

+ sign 51.865+/-0.011 χ^2/NDF: 768122.1/22

All: 51.937+/-0.008 χ^2/NDF: 1537883.3/46

- 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: 555.801+/-188.487 χ^2/NDF:18.0/6

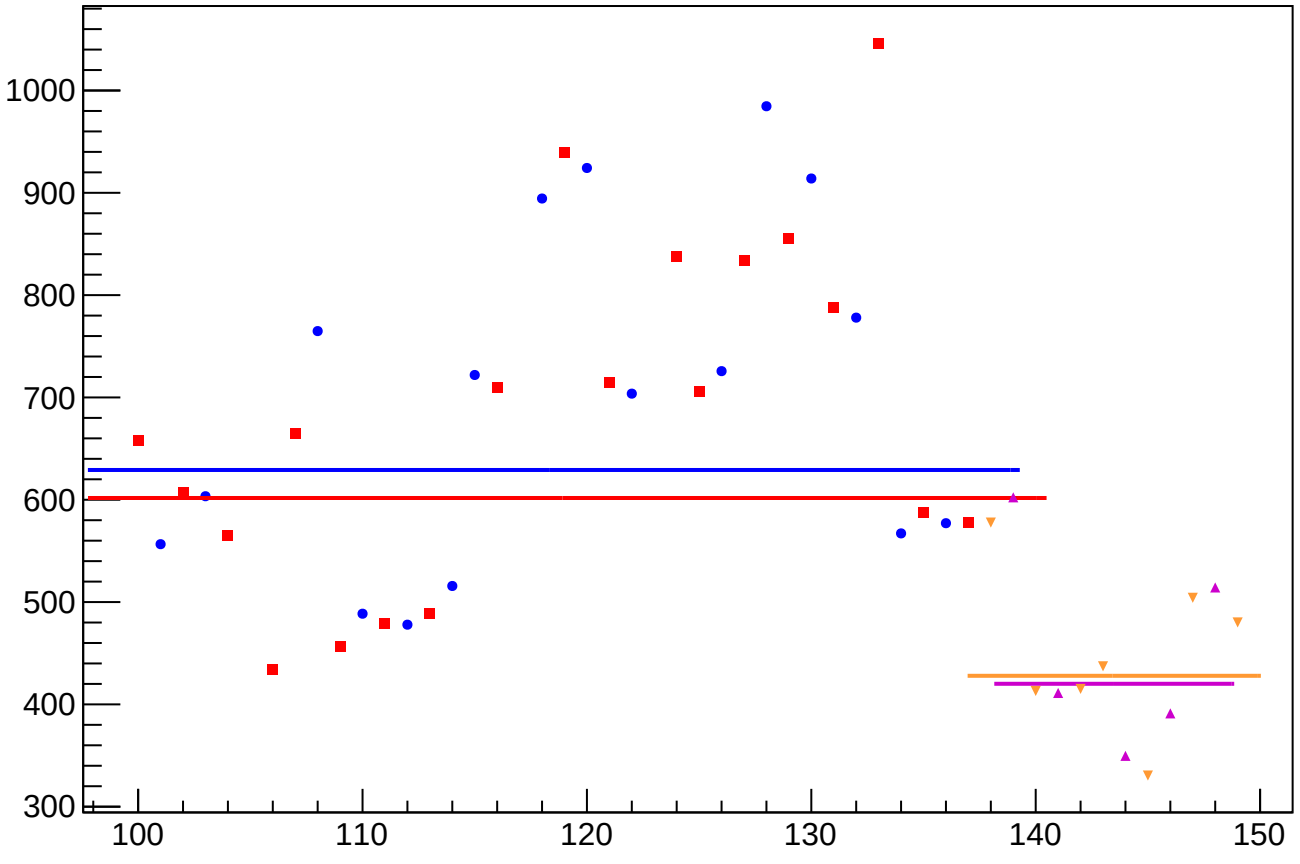
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 241.956+/-205.514 χ^2/NDF:3.0/4

+ sign 431.363+/-148.524 χ^2/NDF: 40.8/22

All: 403.623+/-106.528 χ^2/NDF: 58.2/46

- 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: 427.935+/-0.133 χ^2/NDF:302779.9/6

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

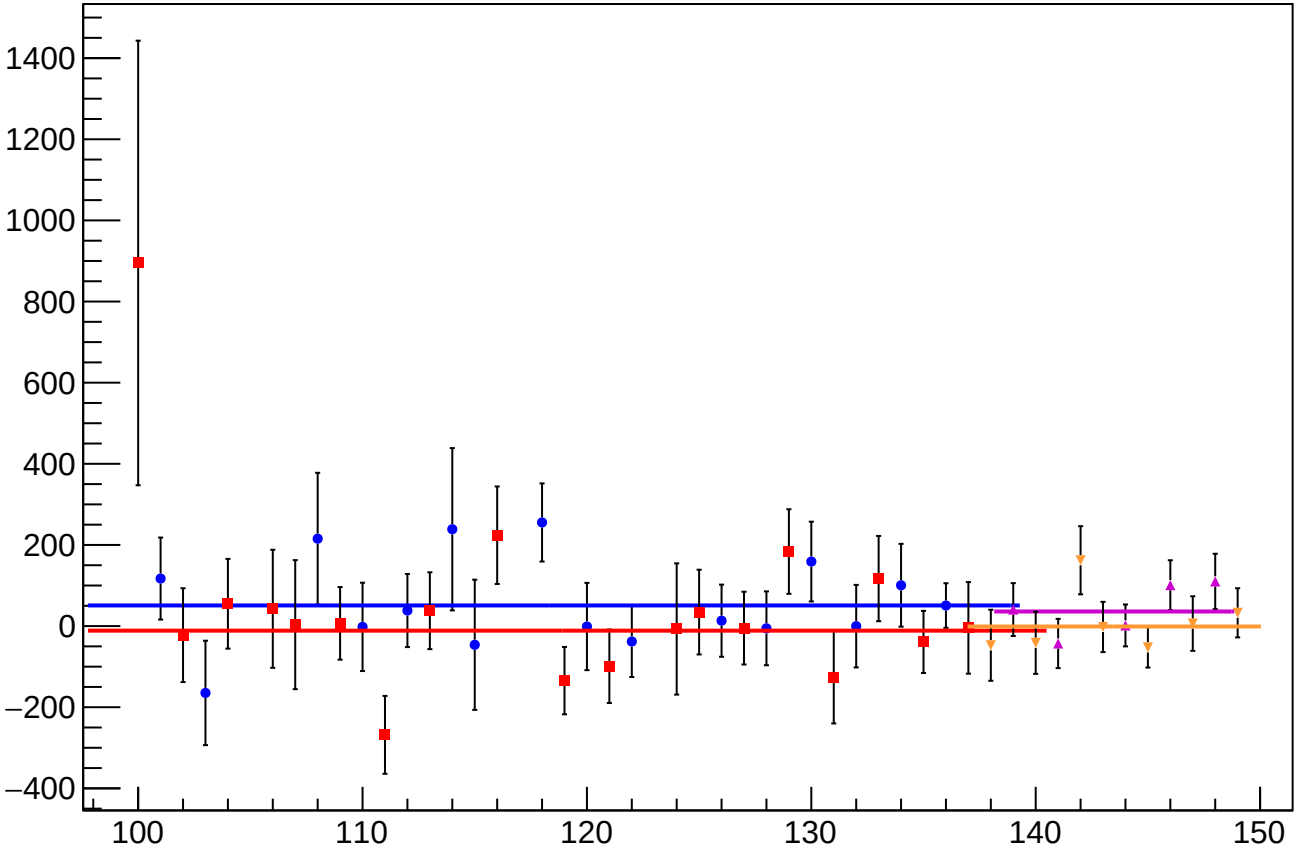
Left In: 420.123+/-0.145 χ^2/NDF:291742.8/4

+ sign 504.195+/-0.105 χ^2/NDF: 1859098.8/22

All: 502.756+/-0.075 χ^2/NDF: 3722737.9/46

- 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: -1.012+/-25.006 χ^2/NDF:5.7/6

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

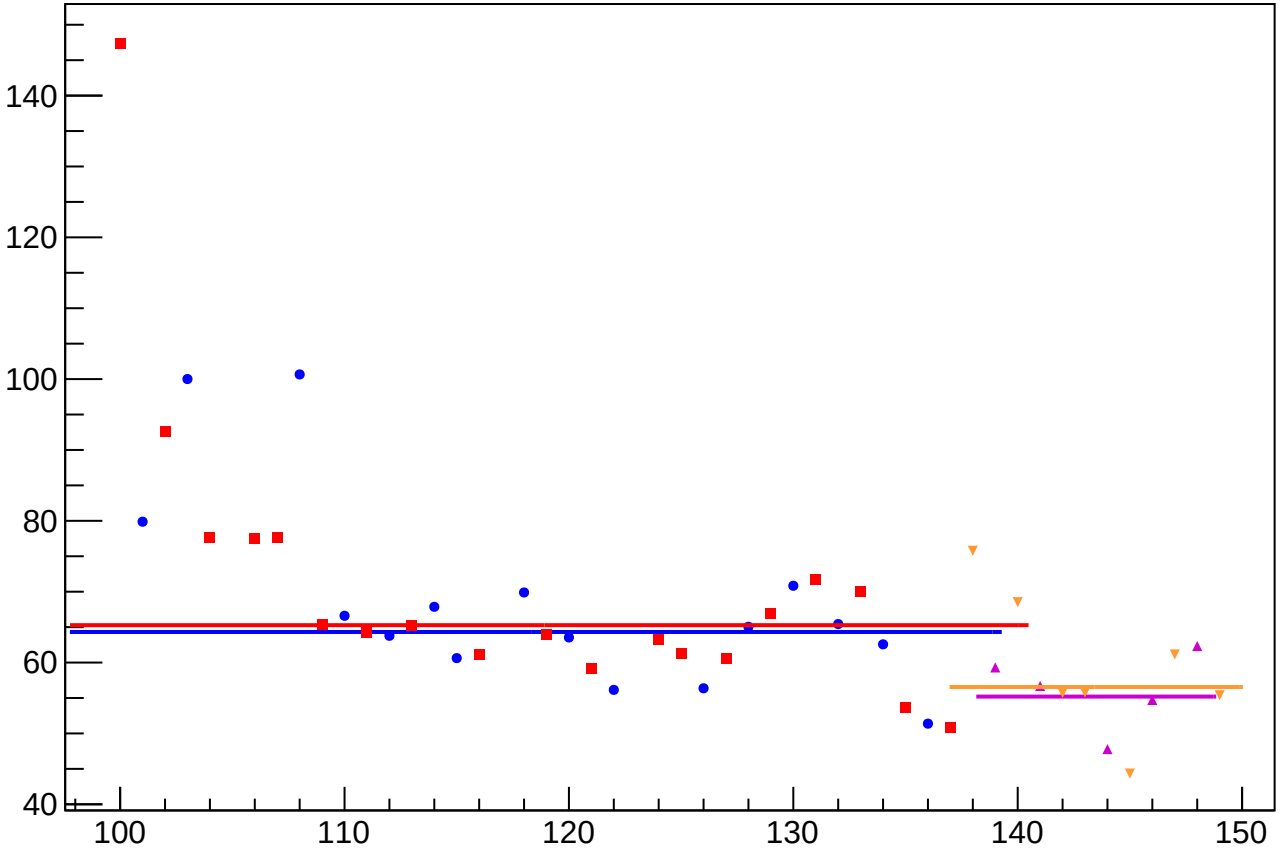
Left In: 35.983+/-27.085 χ^2/NDF:4.4/4

+ sign 25.463+/-17.497 χ^2/NDF: 21.7/22

All: 17.911+/-12.579 χ^2/NDF: 52.2/46

- 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: 56.551+/-0.018 χ^2/NDF:275967.9/6

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

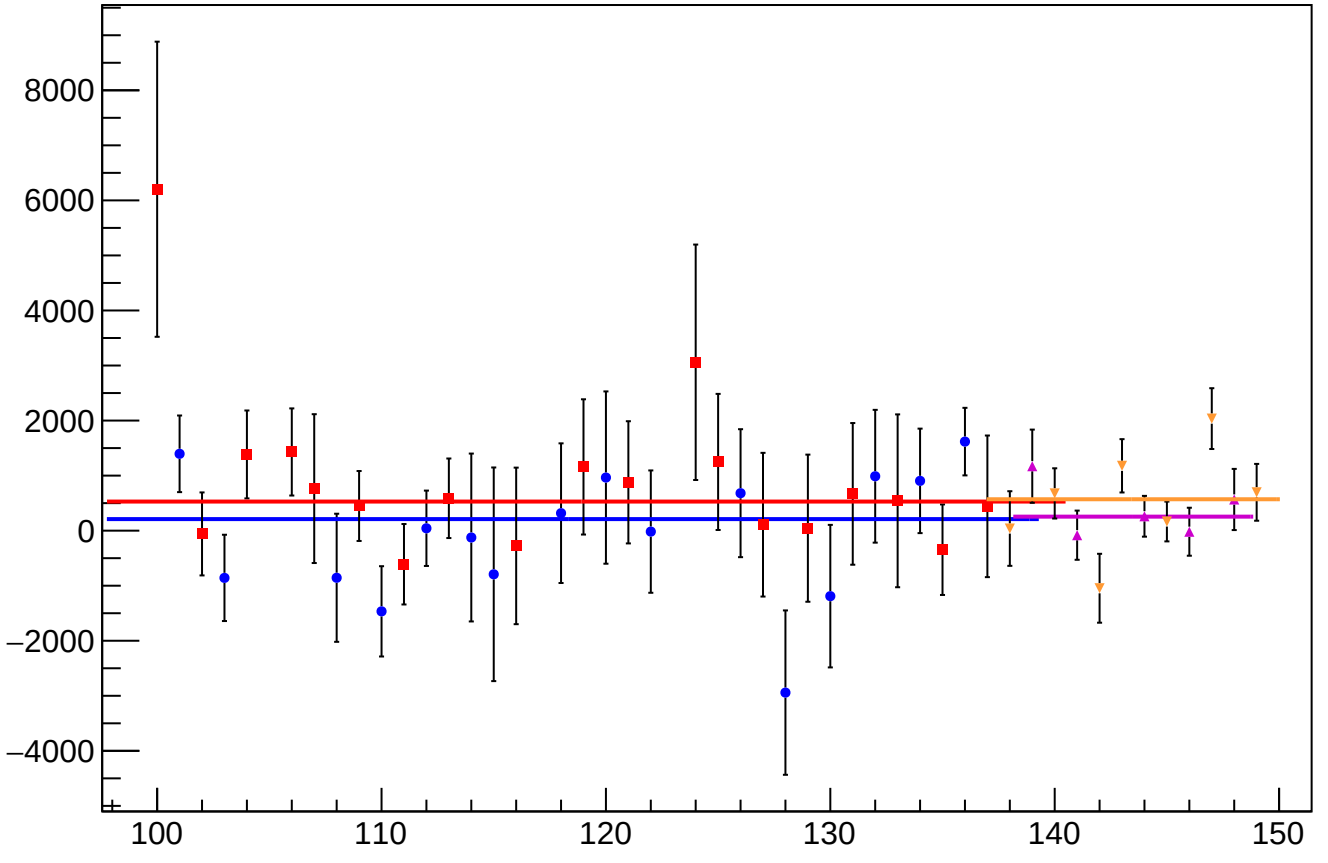
Left In: 55.199+/-0.019 χ^2/NDF:72385.9/4

+ sign 60.515+/-0.012 χ^2/NDF: 839368.5/22

All: 60.642+/-0.009 χ^2/NDF: 1384387.9/46

- 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: 570.497+/-187.375 χ^2/NDF:17.3/6

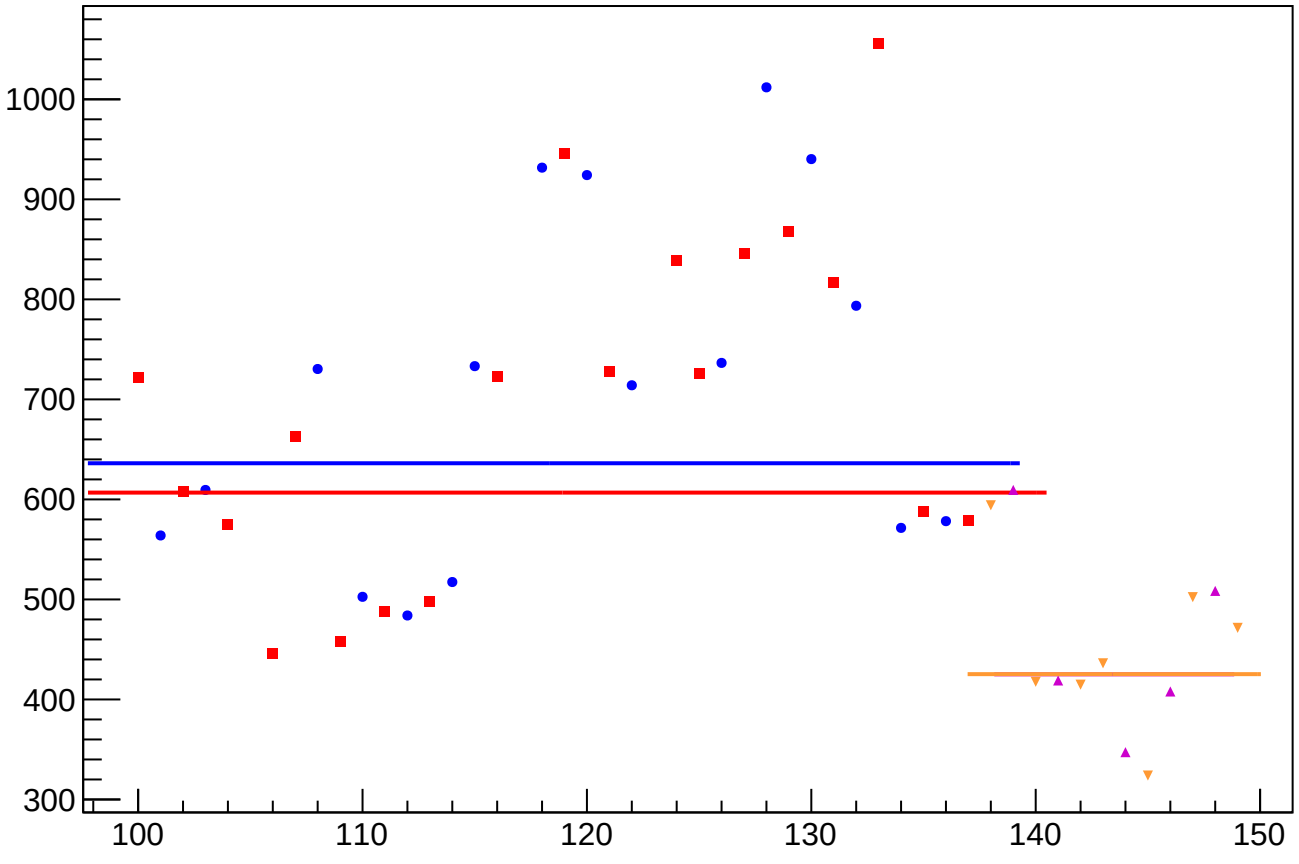
Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: 254.677+/-208.253 χ^2/NDF:3.2/4

\+ sign 436.635+/-148.566 χ^2/NDF: 41.1/22

All: 408.568+/-107.014 χ^2/NDF: 58.9/46

\- sign 378.302+/-154.277 χ^2/NDF: 17.8/23



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 425.302+/-0.132 χ^2/NDF:338422.0/6

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

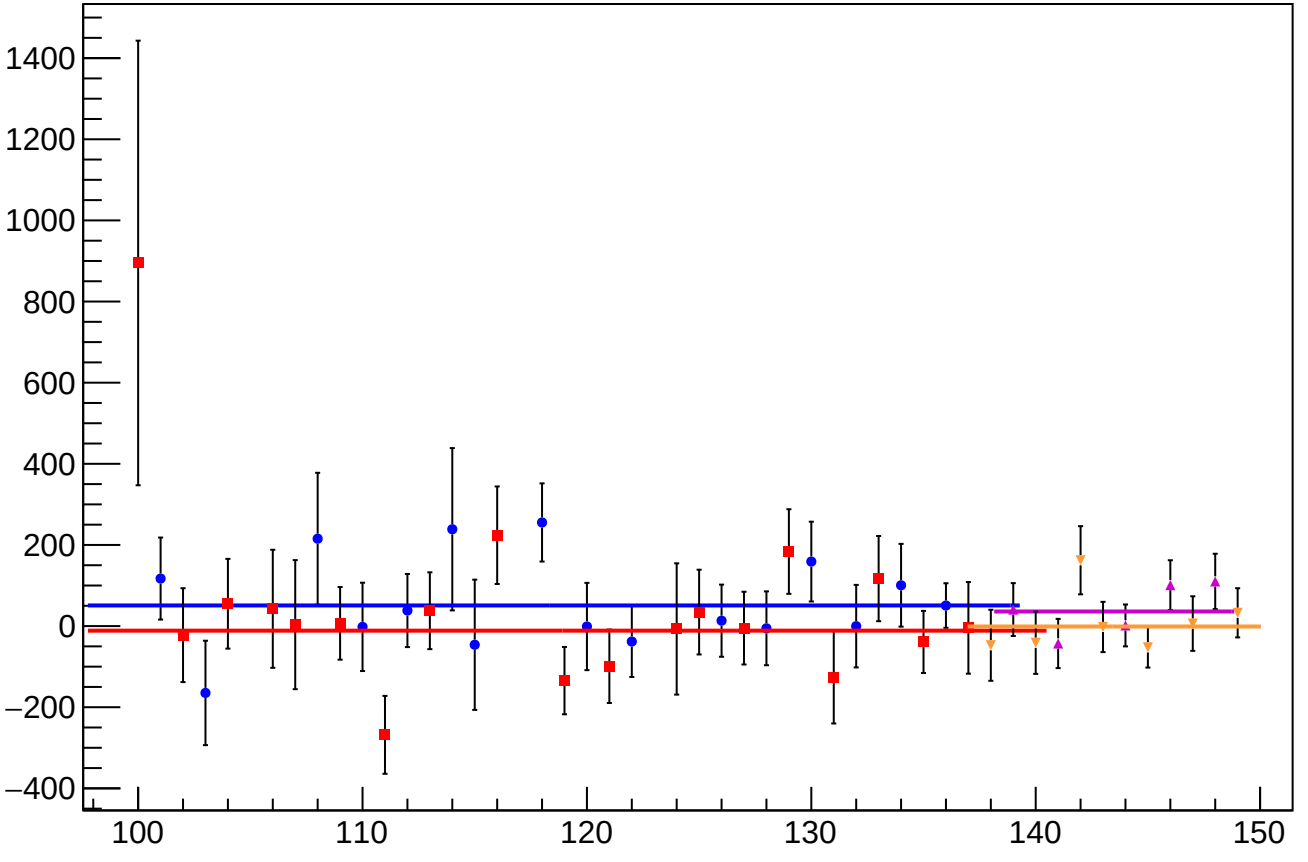
Left In: 425.100+/-0.147 χ^2/NDF:290528.4/4

\+ sign 503.597+/-0.105 χ^2/NDF: 1984032.0/22

All: 505.274+/-0.076 χ^2/NDF: 3855928.7/46

\- 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: -1.012+/-25.006 χ^2/NDF:5.7/6

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

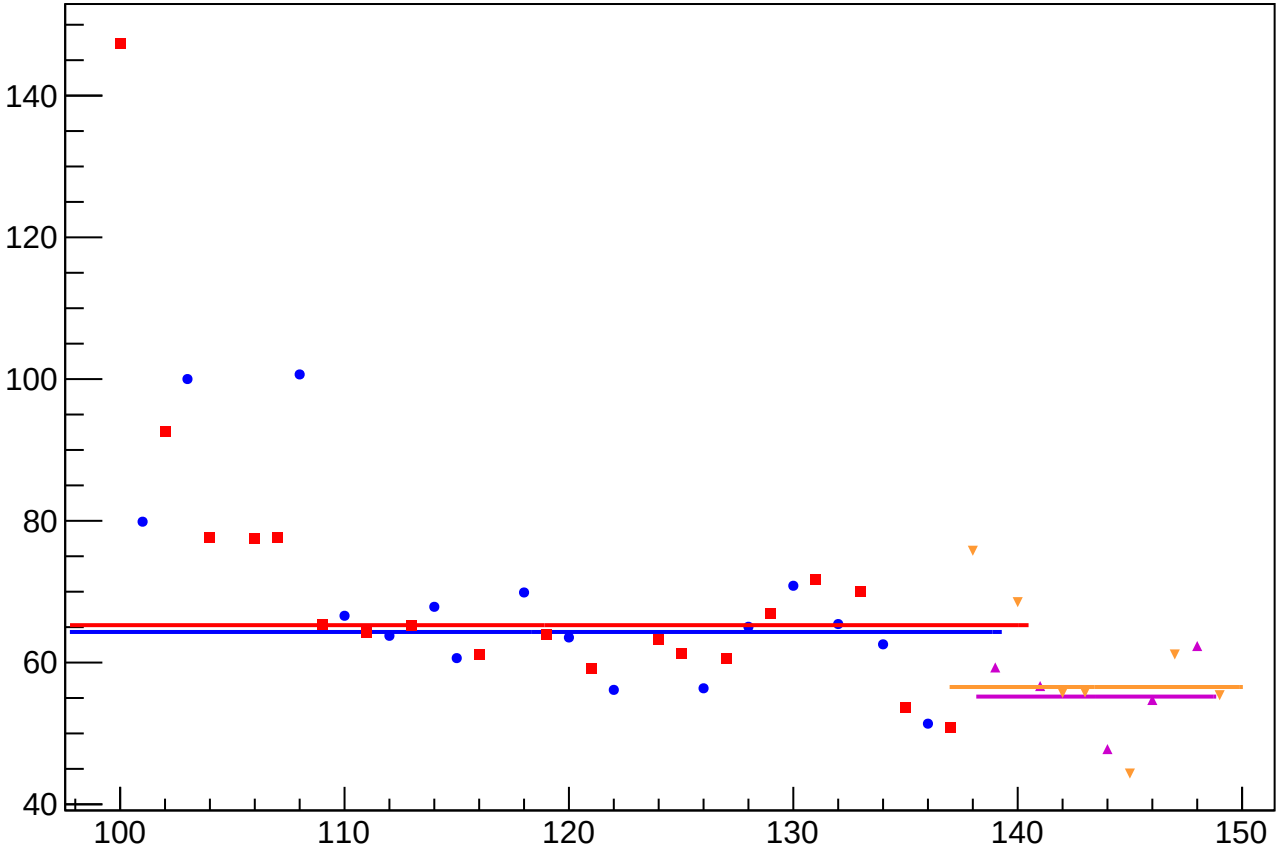
Left In: 35.983+/-27.085 χ^2/NDF:4.4/4

+ sign 25.462+/-17.497 χ^2/NDF: 21.7/22

All: 17.910+/-12.579 χ^2/NDF: 52.2/46

- 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: 56.551+/-0.018 χ^2/NDF:275954.3/6

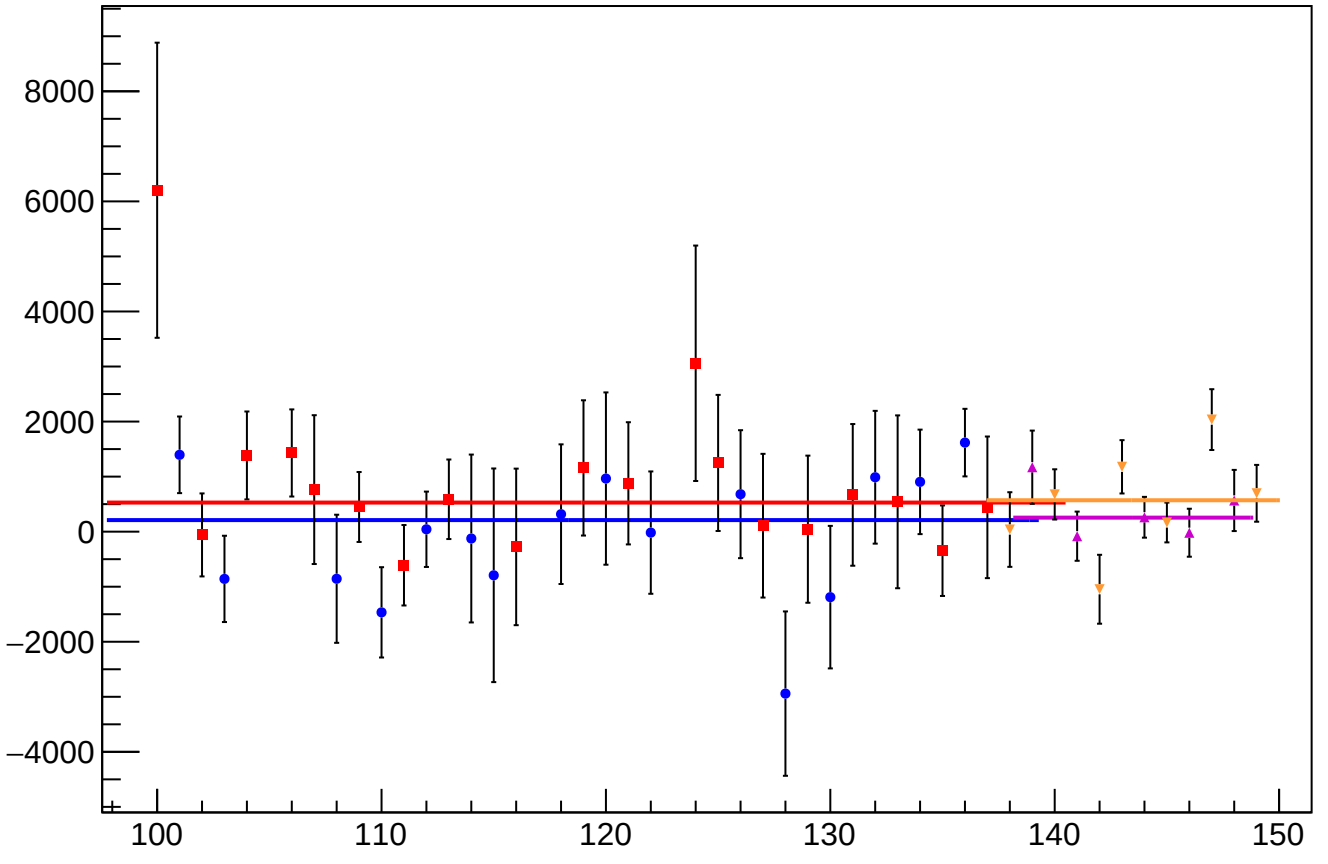
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.200+/-0.019 χ^2/NDF:72381.2/4

+ sign 60.515+/-0.012 χ^2/NDF: 839347.7/22

All: 60.642+/-0.009 χ^2/NDF: 1384360.1/46

- 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: 570.496+/-187.375 χ^2/NDF:17.3/6

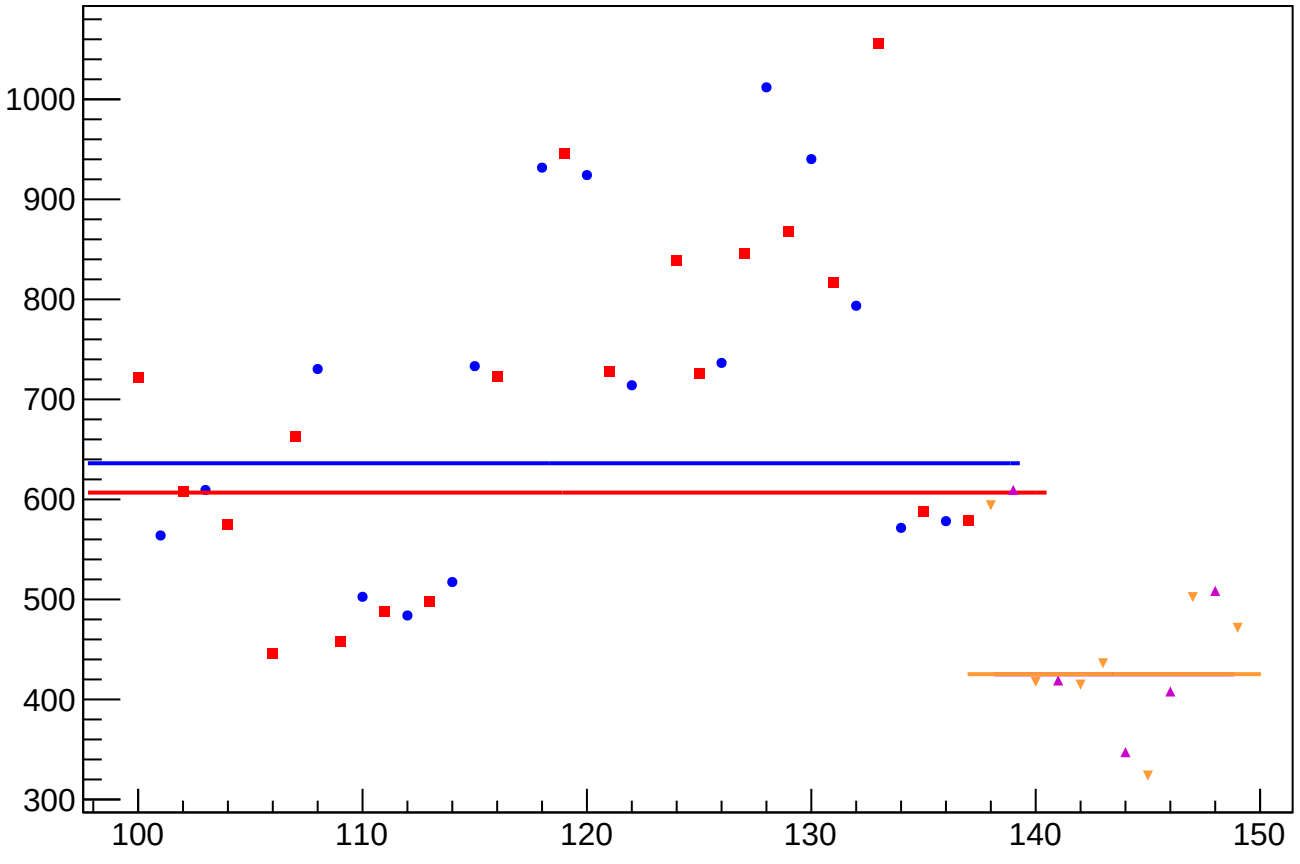
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 254.676+/-208.252 χ^2/NDF:3.2/4

\+ sign 436.634+/-148.565 χ^2/NDF: 41.1/22

All: 408.568+/-107.014 χ^2/NDF: 58.9/46

\- 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: 425.301+/-0.132 χ^2/NDF:338426.3/6

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

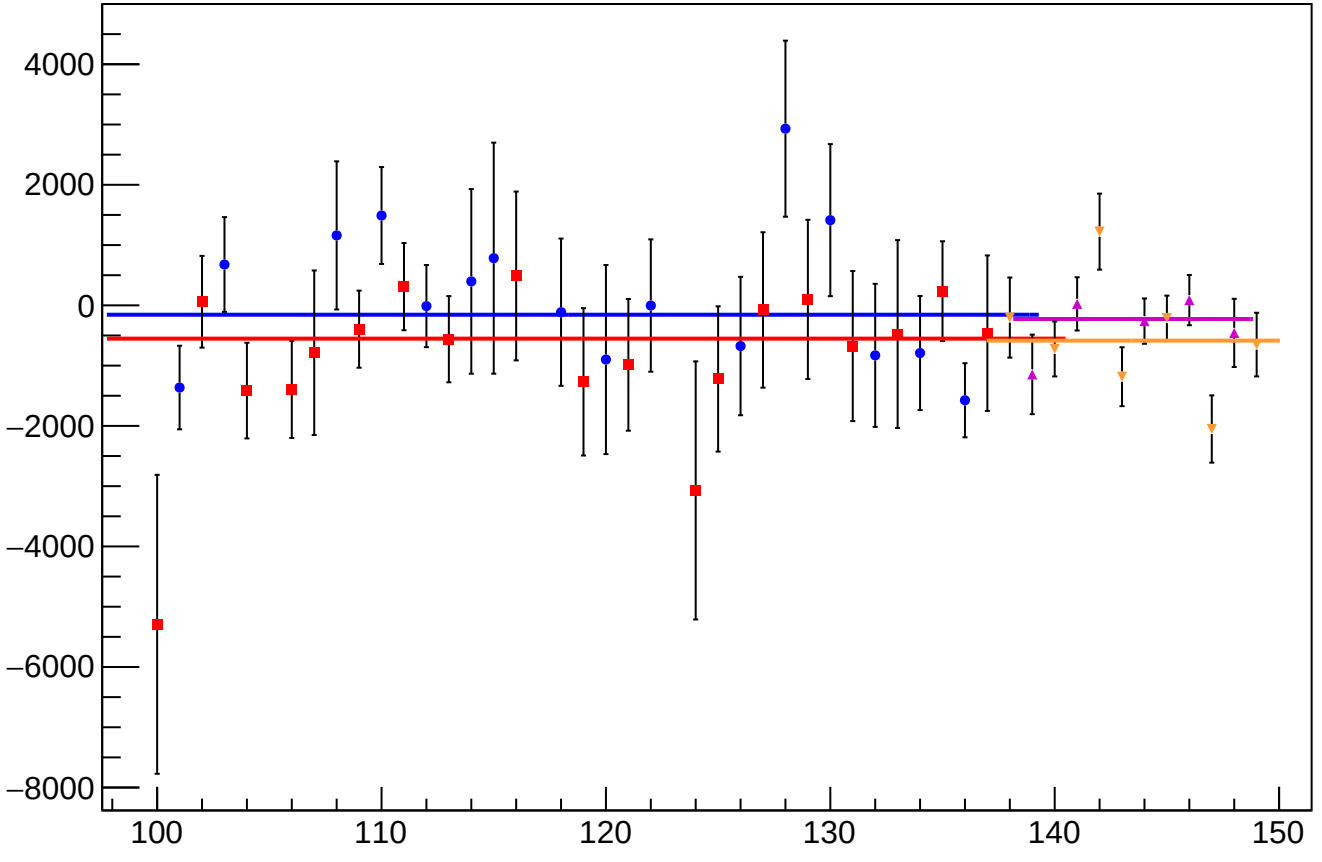
Left In: 425.100+/-0.147 χ^2/NDF:290529.1/4

+ sign 503.596+/-0.105 χ^2/NDF: 1984044.8/22

All: 505.273+/-0.076 χ^2/NDF: 3855946.2/46

- 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: -585.312+/-189.684 χ^2/NDF:18.1/6

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

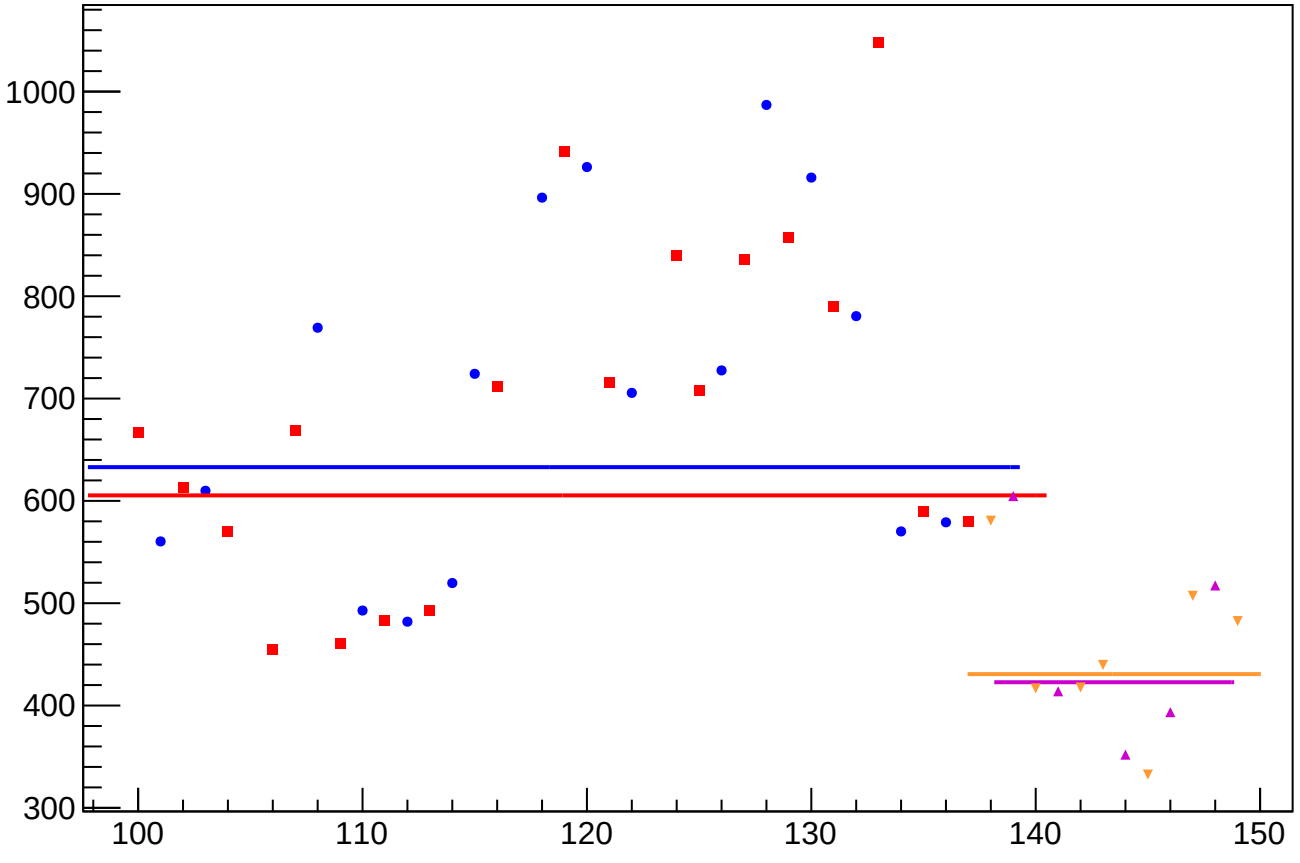
Left In: -226.154+/-206.774 χ^2/NDF:3.0/4

+ sign -422.296+/-149.429 χ^2/NDF: 42.5/22

All: -398.133+/-107.051 χ^2/NDF: 58.8/46

- 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: 430.704+/-0.134 χ^2/NDF:301131.4/6

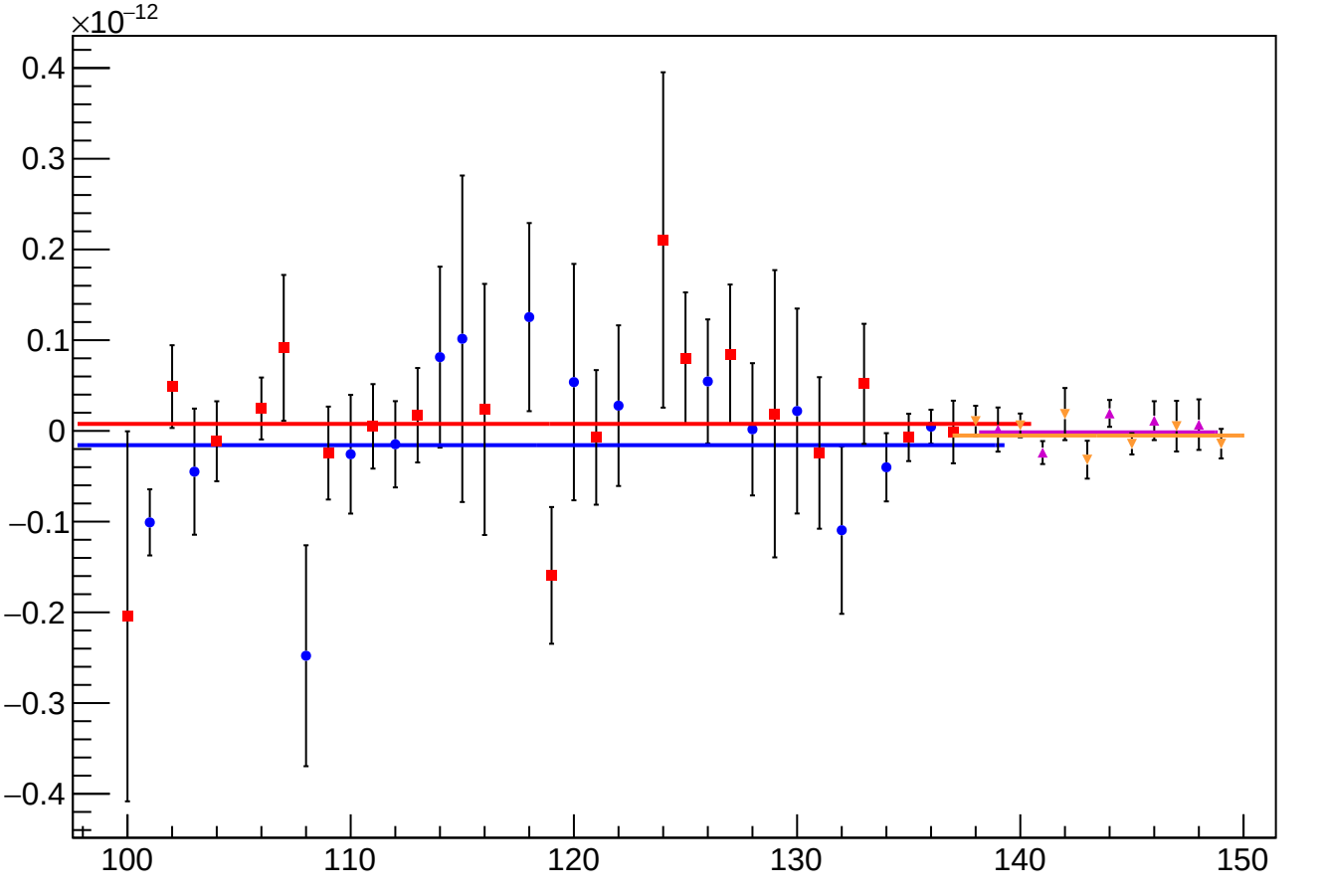
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 422.763+/-0.146 χ^2/NDF:289656.7/4

+ sign 507.444+/-0.106 χ^2/NDF: 1845055.3/22

All: 506.167+/-0.076 χ^2/NDF: 3689957.2/46

- 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:5.0/6

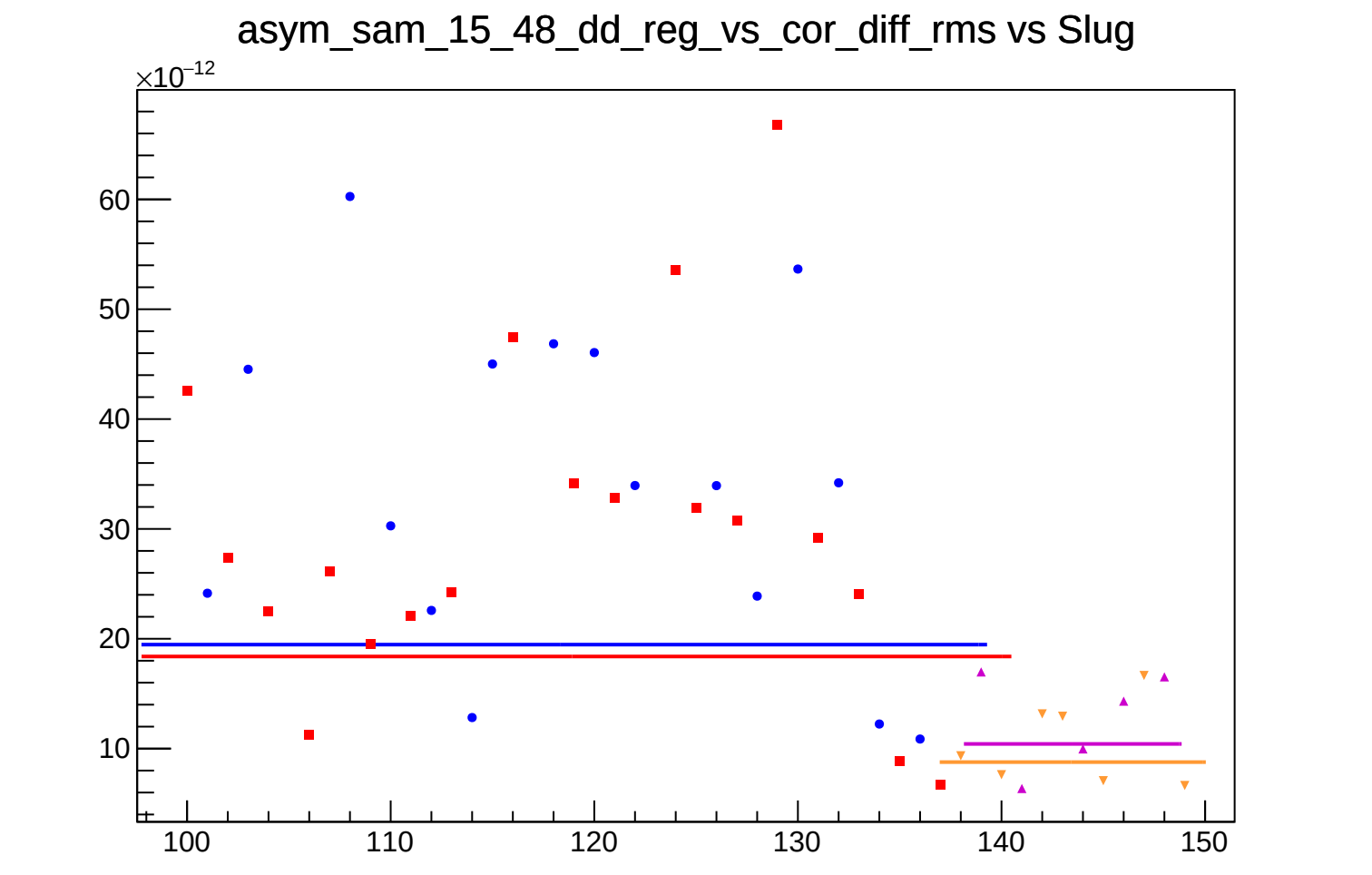
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 22.4/22

All: -0.000+/-0.000 χ^2/NDF: 42.3/46

- 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:380086.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

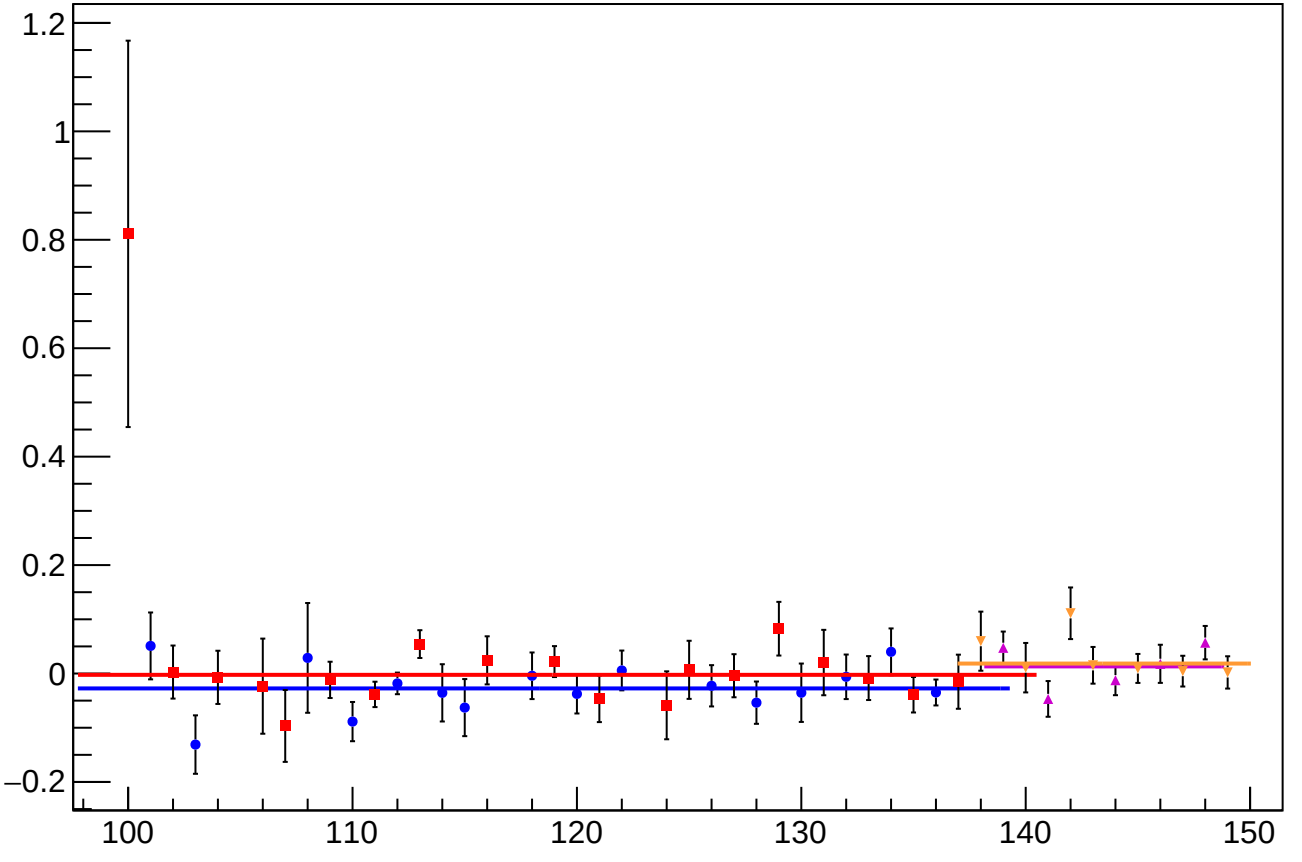
Left In: 0.000+/-0.000 χ^2/NDF:514537.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 3266812.3/22

All: 0.000+/-0.000 χ^2/NDF: 5921652.7/46

- 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: 0.018+/-0.013 χ^2/NDF:5.1/6

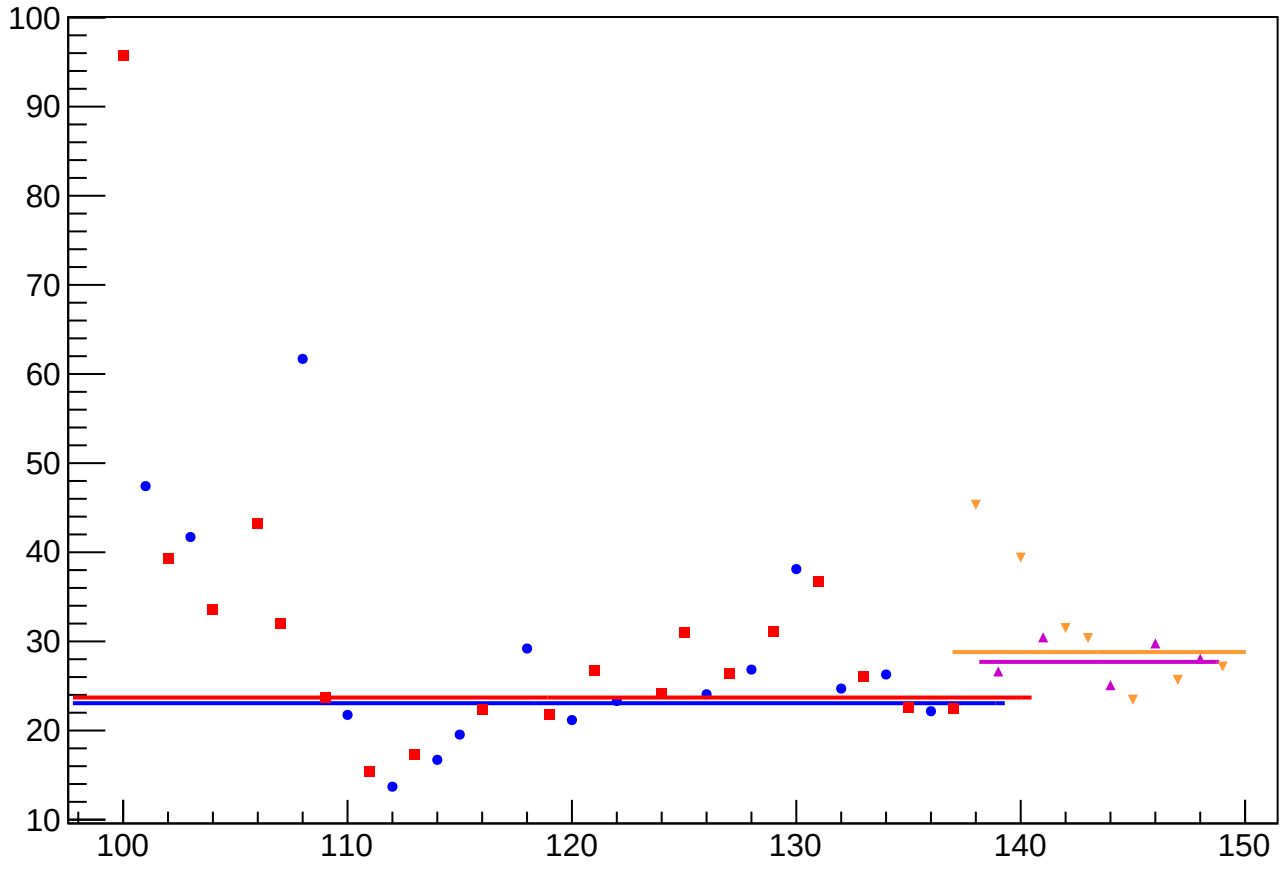
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.013+/-0.014 χ^2/NDF:7.5/4

+ sign -0.012+/-0.008 χ^2/NDF: 26.9/22

All: -0.005+/-0.005 χ^2/NDF: 59.1/46

- 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: 28.805+/-0.009 χ^2/NDF:412495.1/6

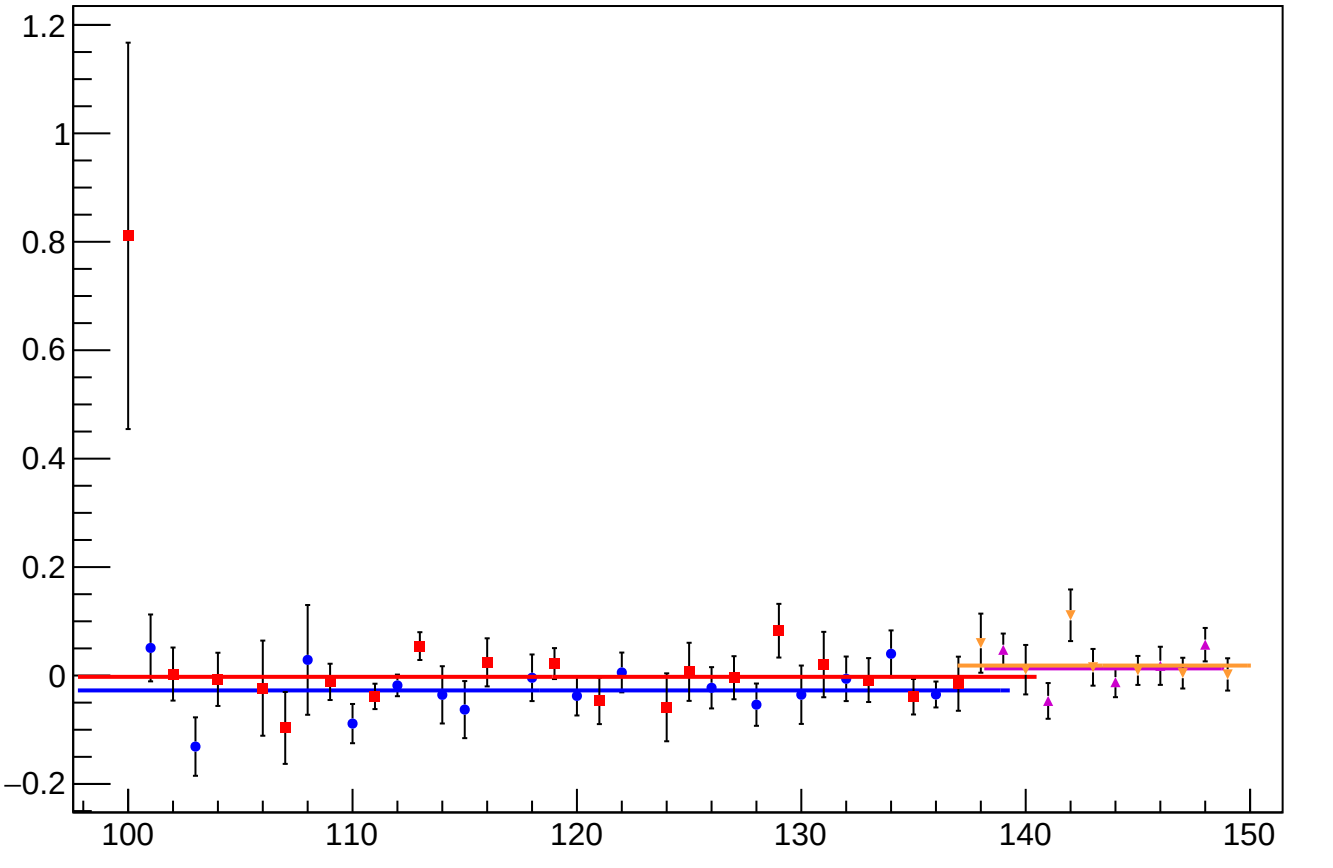
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.703+/-0.010 χ^2/NDF:41489.9/4

+ sign 25.031+/-0.005 χ^2/NDF: 2232618.0/22

All: 24.987+/-0.004 χ^2/NDF: 3477549.4/46

- 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: 0.018+/-0.013 χ^2/NDF:5.1/6

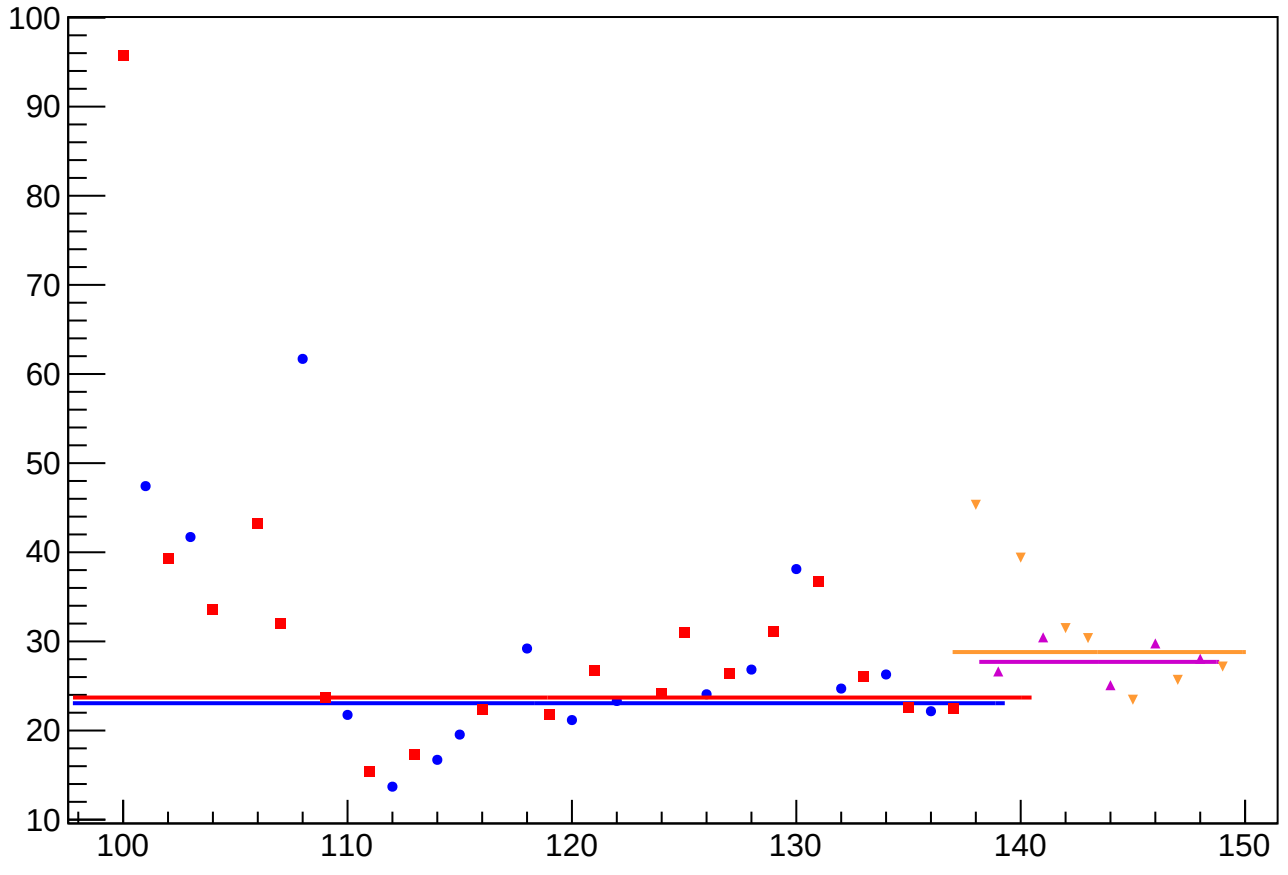
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.013+/-0.014 χ^2/NDF:7.5/4

+ sign -0.012+/-0.008 χ^2/NDF: 26.9/22

All: -0.005+/-0.005 χ^2/NDF: 59.1/46

- 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: 28.805+/-0.009 χ^2/NDF:412495.1/6

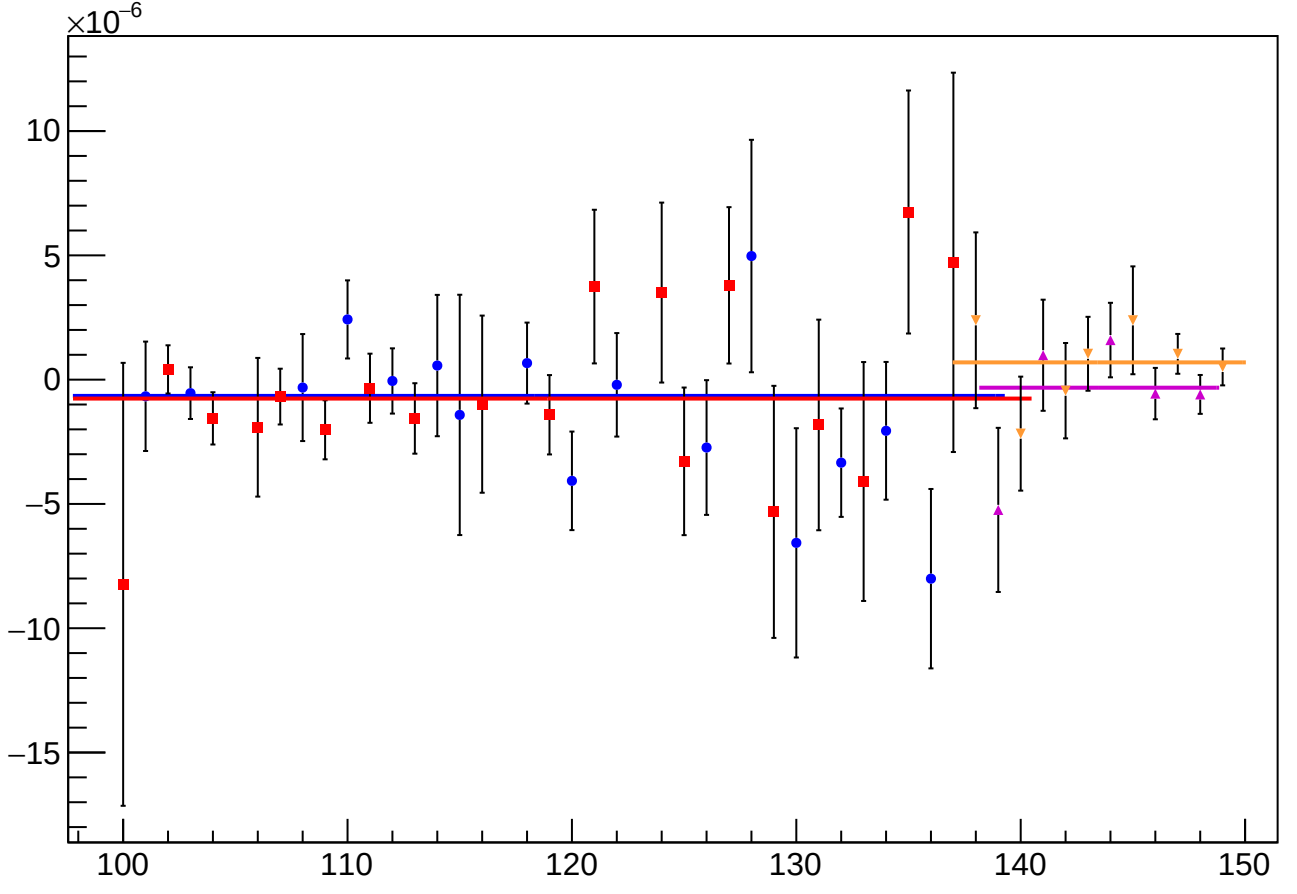
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.703+/-0.010 χ^2/NDF:41489.9/4

+ sign 25.031+/-0.005 χ^2/NDF: 2232618.0/22

All: 24.987+/-0.004 χ^2/NDF: 3477549.4/46

- 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:3.1/6

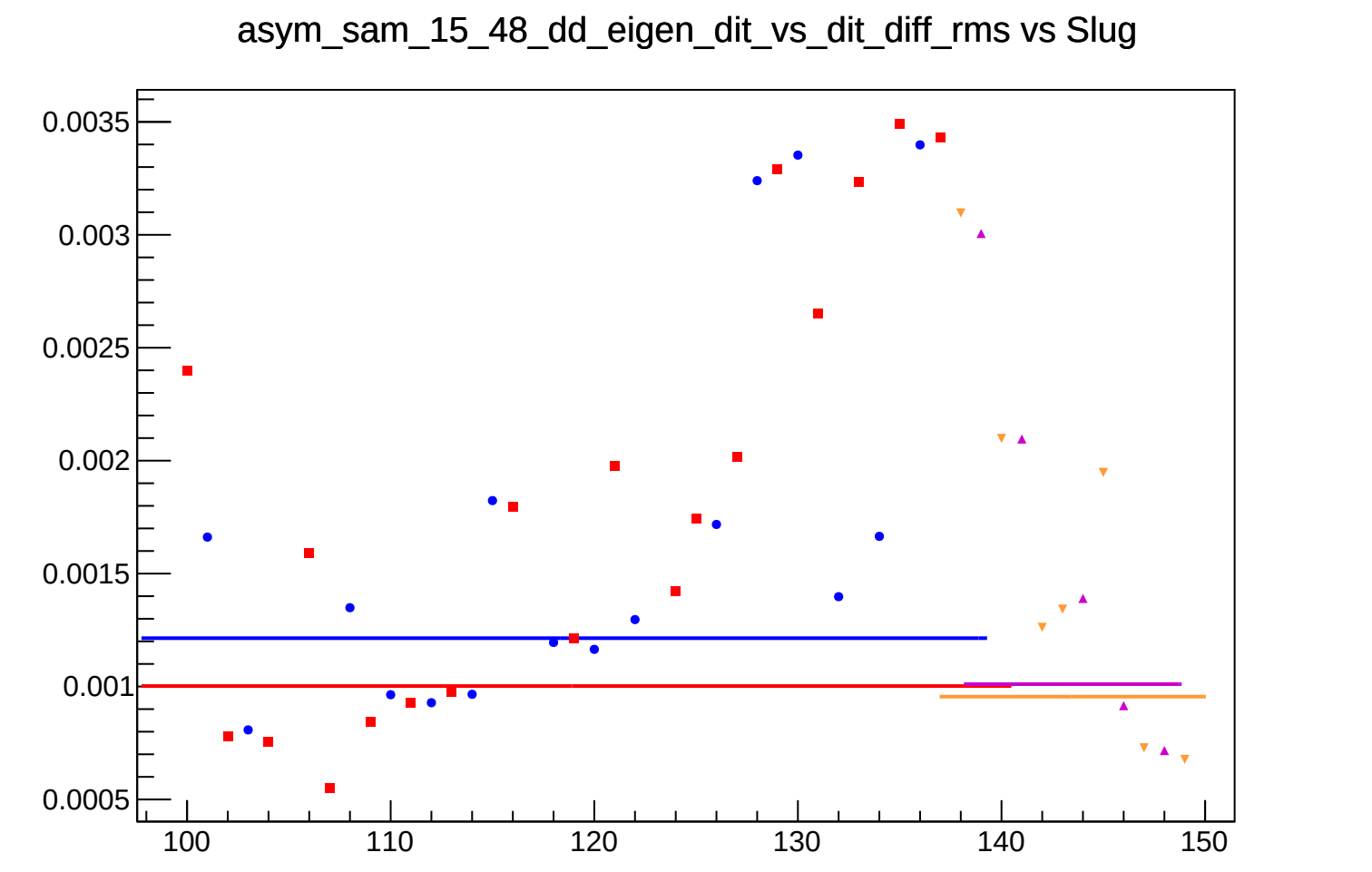
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/4

+ sign 0.000+/-0.000 χ^2/NDF: 24.5/22

All: -0.000+/-0.000 χ^2/NDF: 46.4/46

- sign -0.000+/-0.000 χ^2/NDF: 19.9/23



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:2276797.8/6

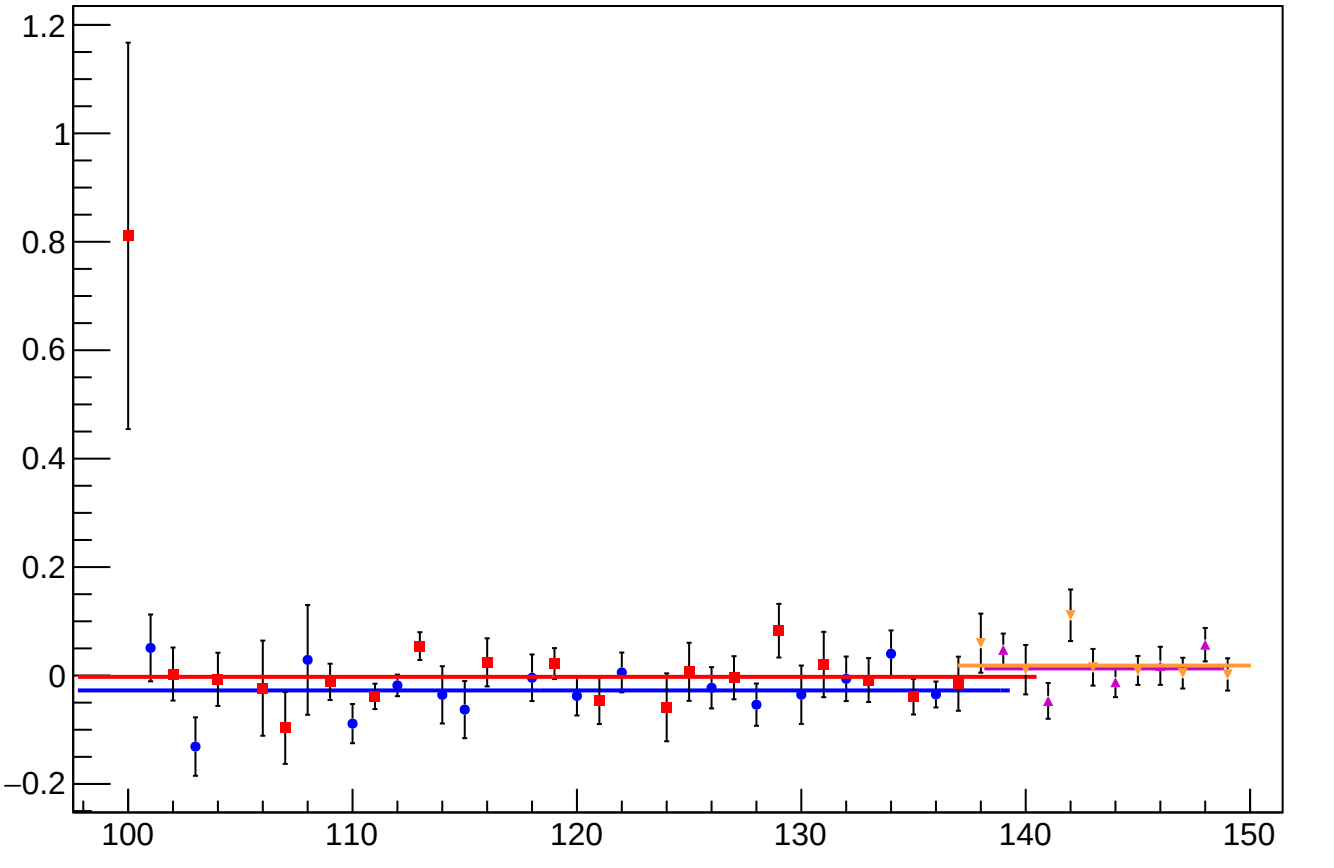
Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1630146.4/4

+ sign 0.001+/-0.000 χ^2/NDF: 4830713.3/22

All: 0.001+/-0.000 χ^2/NDF: 9782382.7/46

- 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: 0.018+/-0.013 χ^2/NDF:5.1/6

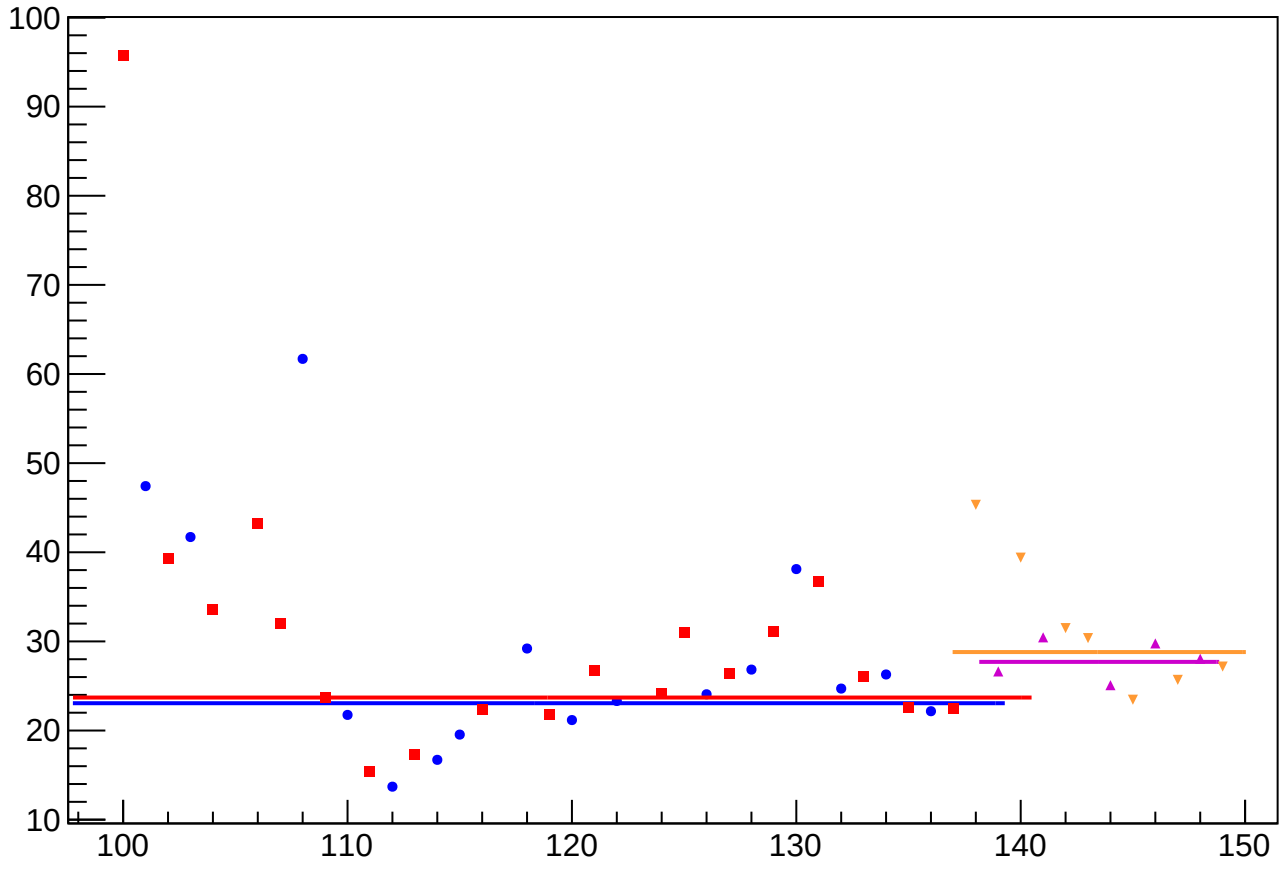
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.013+/-0.014 χ^2/NDF:7.5/4

+ sign -0.012+/-0.008 χ^2/NDF: 26.9/22

All: -0.005+/-0.005 χ^2/NDF: 59.1/46

- 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: 28.806+/-0.009 χ^2/NDF:412458.3/6

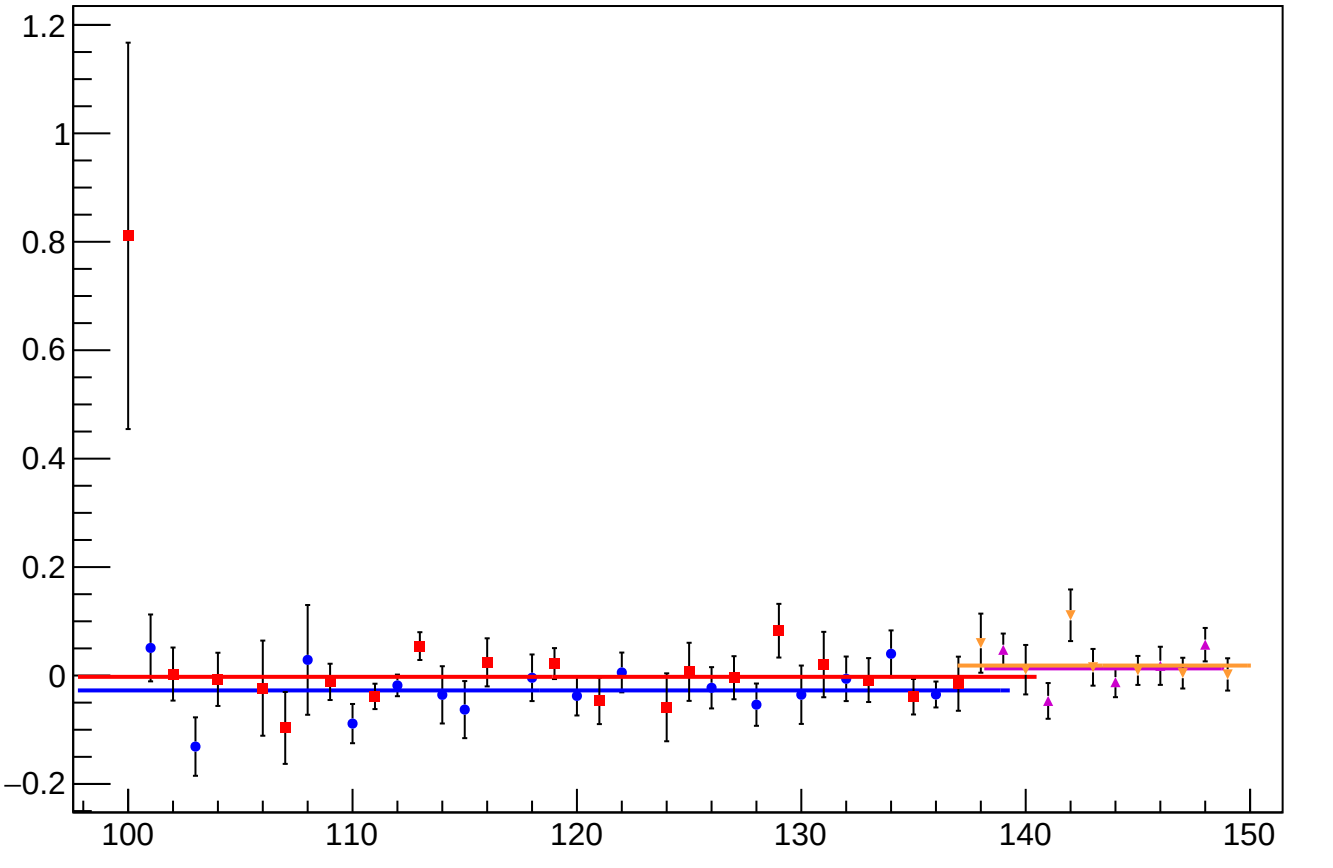
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.703+/-0.010 χ^2/NDF:41491.6/4

+ sign 25.031+/-0.005 χ^2/NDF: 2232632.9/22

All: 24.987+/-0.004 χ^2/NDF: 3477617.2/46

- sign 24.941+/-0.005 χ^2/NDF: 1244847.4/23



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.018+/-0.013 χ^2/NDF:5.1/6

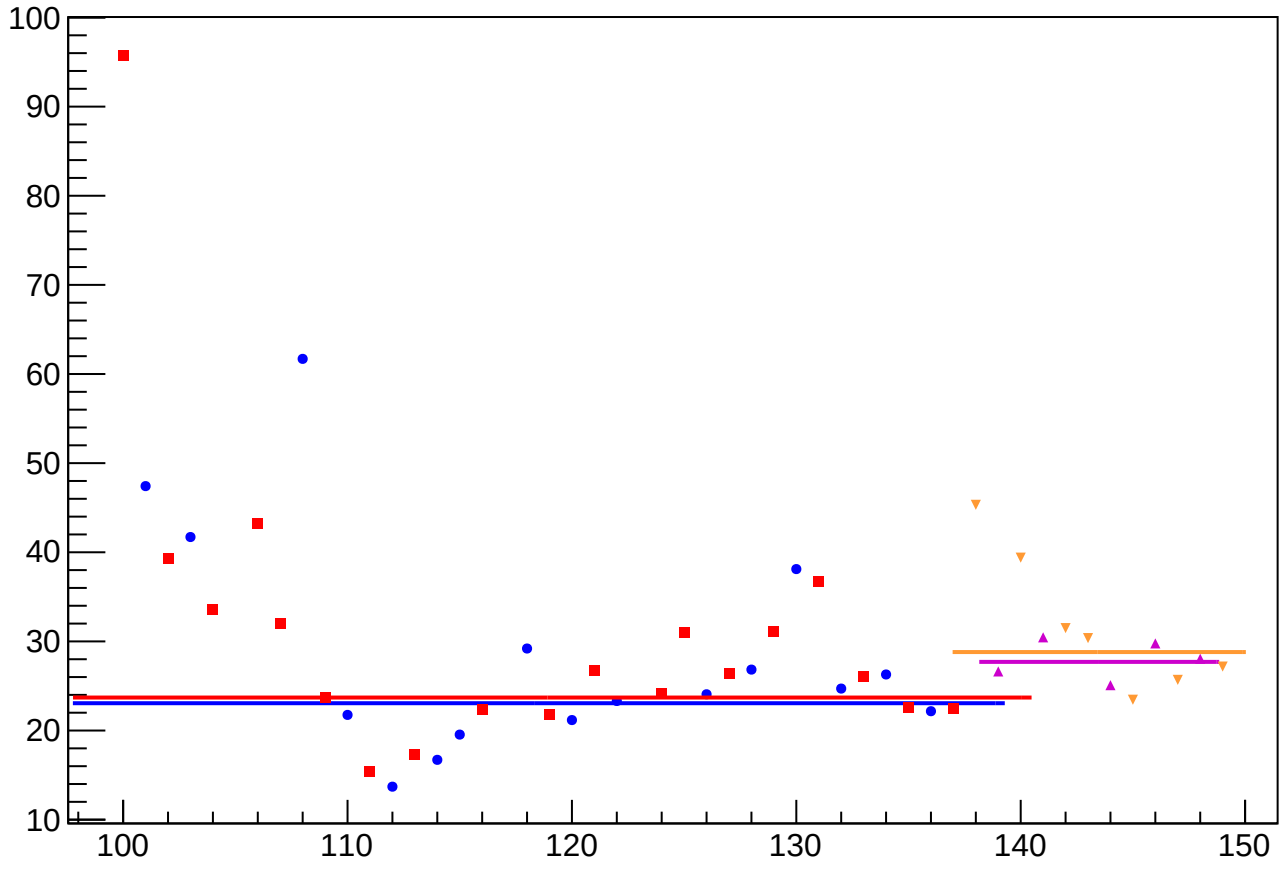
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.013+/-0.014 χ^2/NDF:7.5/4

+ sign -0.012+/-0.008 χ^2/NDF: 26.9/22

All: -0.005+/-0.005 χ^2/NDF: 59.1/46

- 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: 28.806+/-0.009 χ^2/NDF:412458.3/6

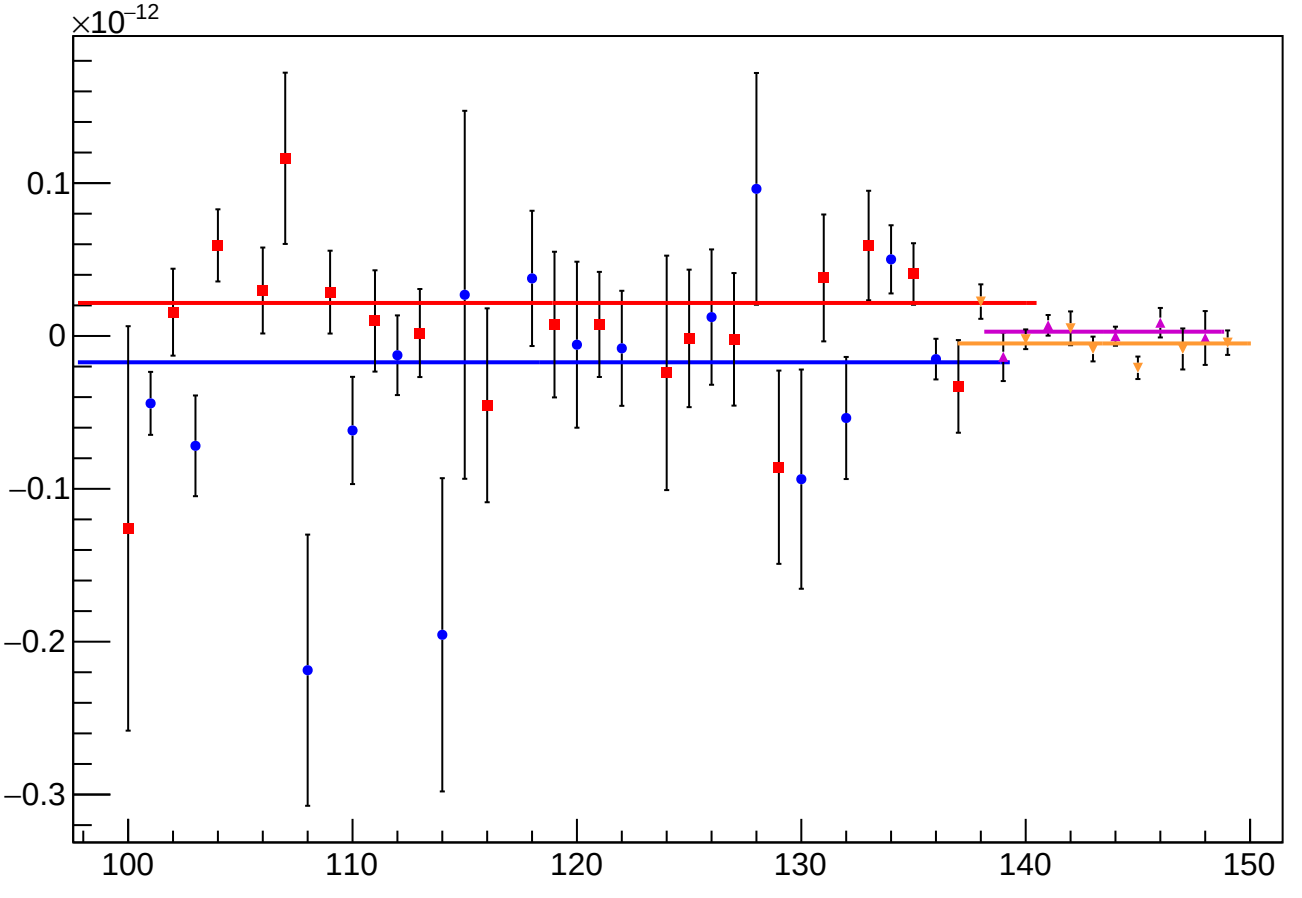
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.703+/-0.010 χ^2/NDF:41491.6/4

+ sign 25.031+/-0.005 χ^2/NDF: 2232632.9/22

All: 24.987+/-0.004 χ^2/NDF: 3477617.2/46

- 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:11.9/6

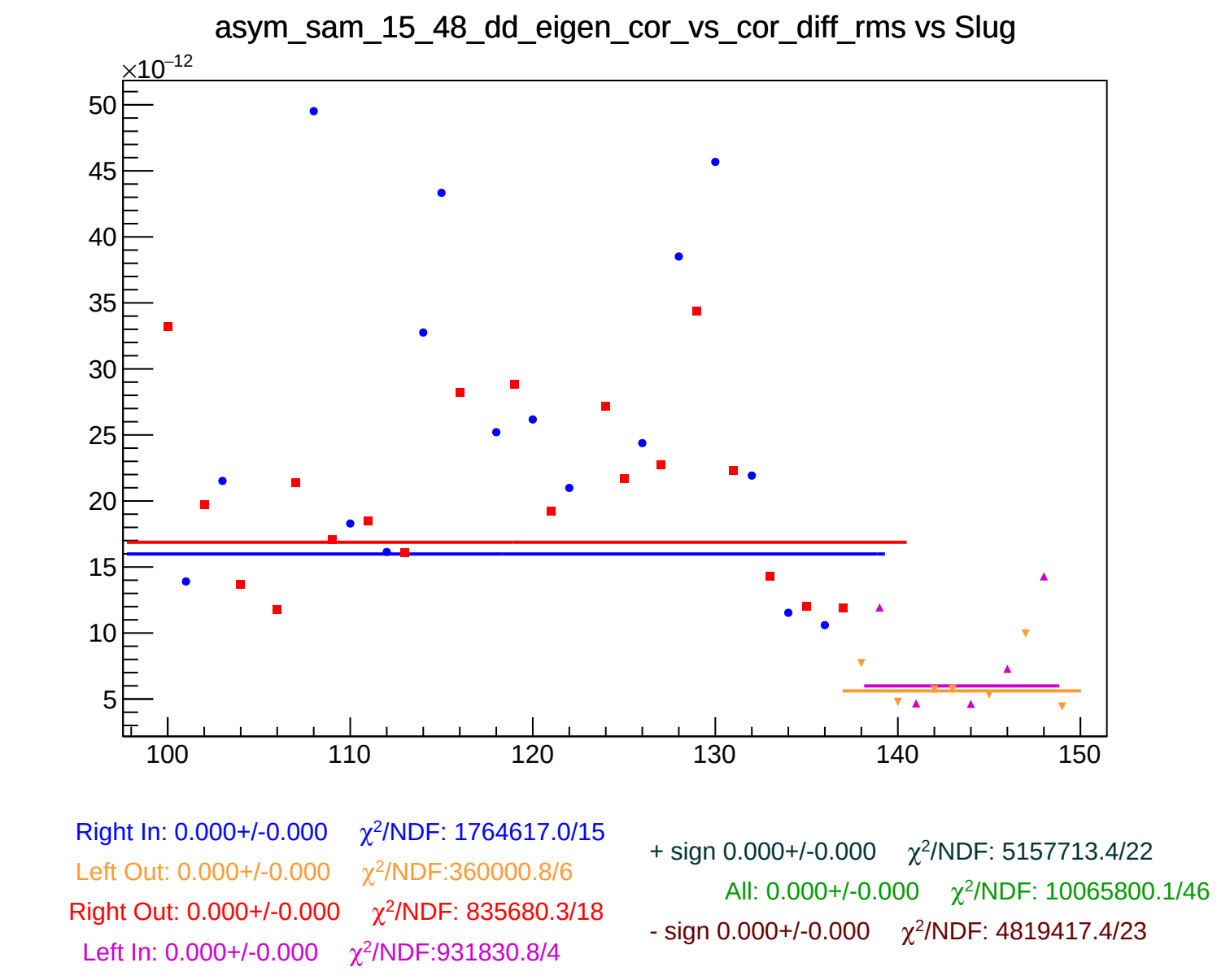
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/22

All: -0.000+/-0.000 χ^2/NDF: 76.8/46

- sign 0.000+/-0.000 χ^2/NDF: 24.7/23


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
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10
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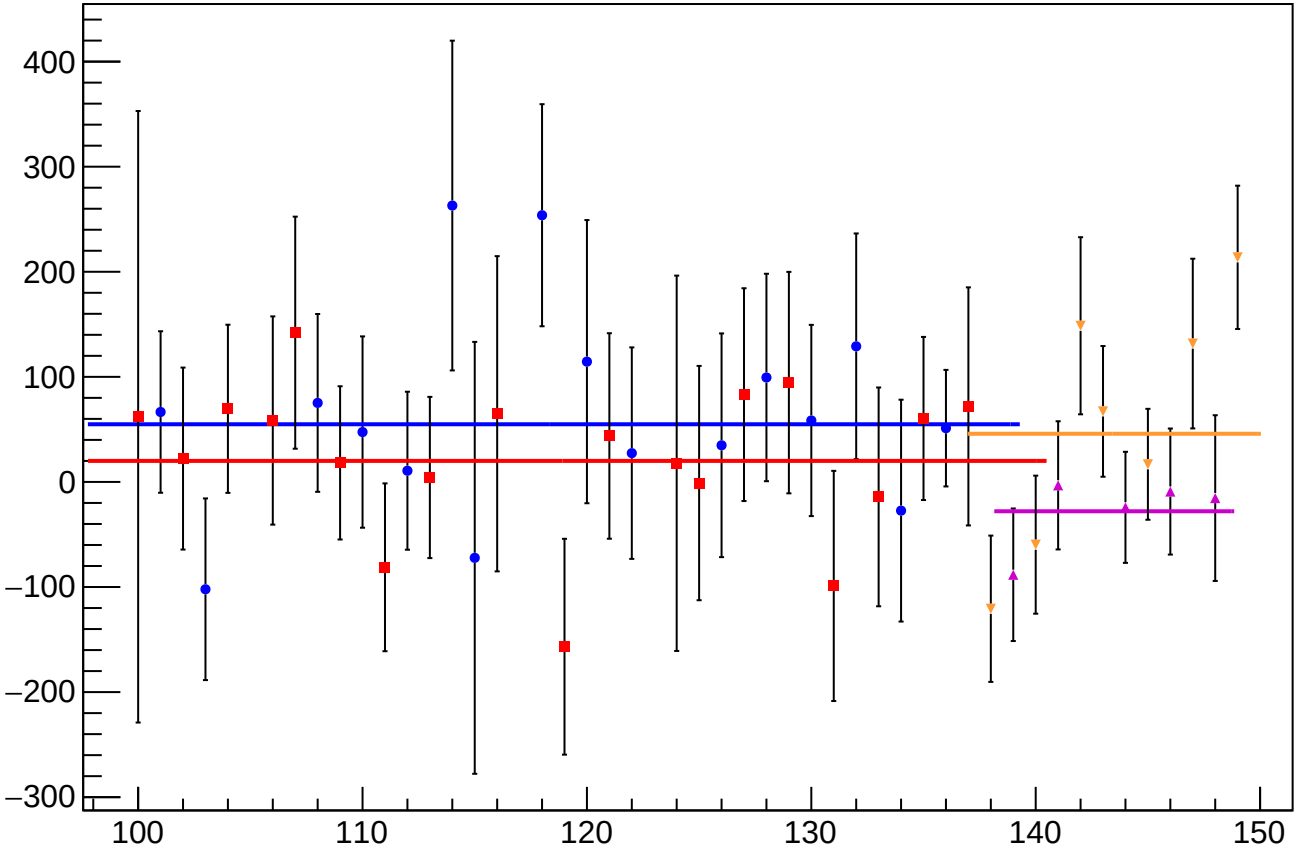
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:360000.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:931830.8/4
+ sign 0.000+/-0.000 χ²/NDF: 5157713.4/22
All: 0.000+/-0.000 χ²/NDF: 10065800.1/46
- sign 0.000+/-0.000 χ²/NDF: 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: 45.839+/-25.278 χ^2/NDF:17.4/6

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

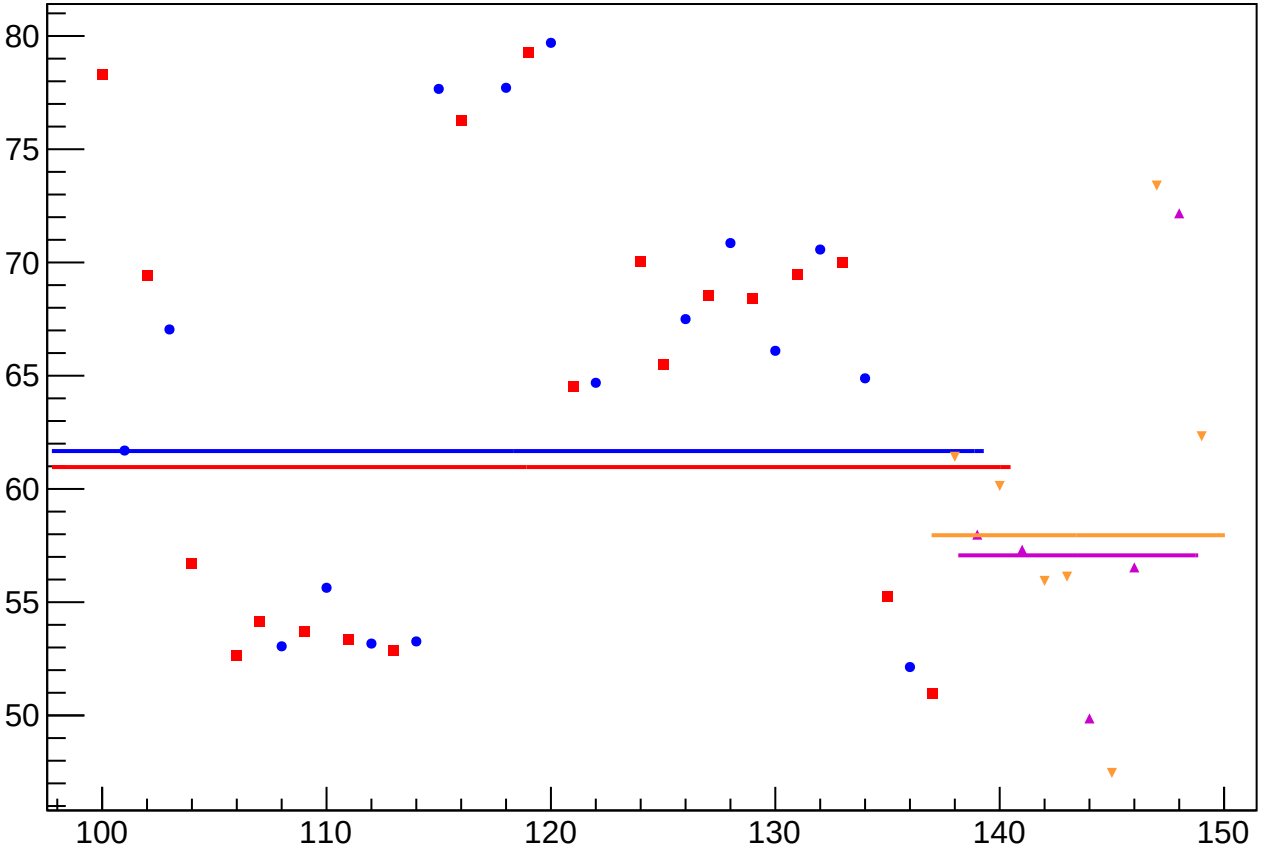
Left In: -27.903+/-27.554 χ^2/NDF:1.2/4

\+ sign 50.752+/-17.084 χ^2/NDF: 28.5/22

All: 26.309+/-12.211 χ^2/NDF: 44.9/46

\- 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: 57.957+/-0.018 χ^2/NDF:170455.2/6

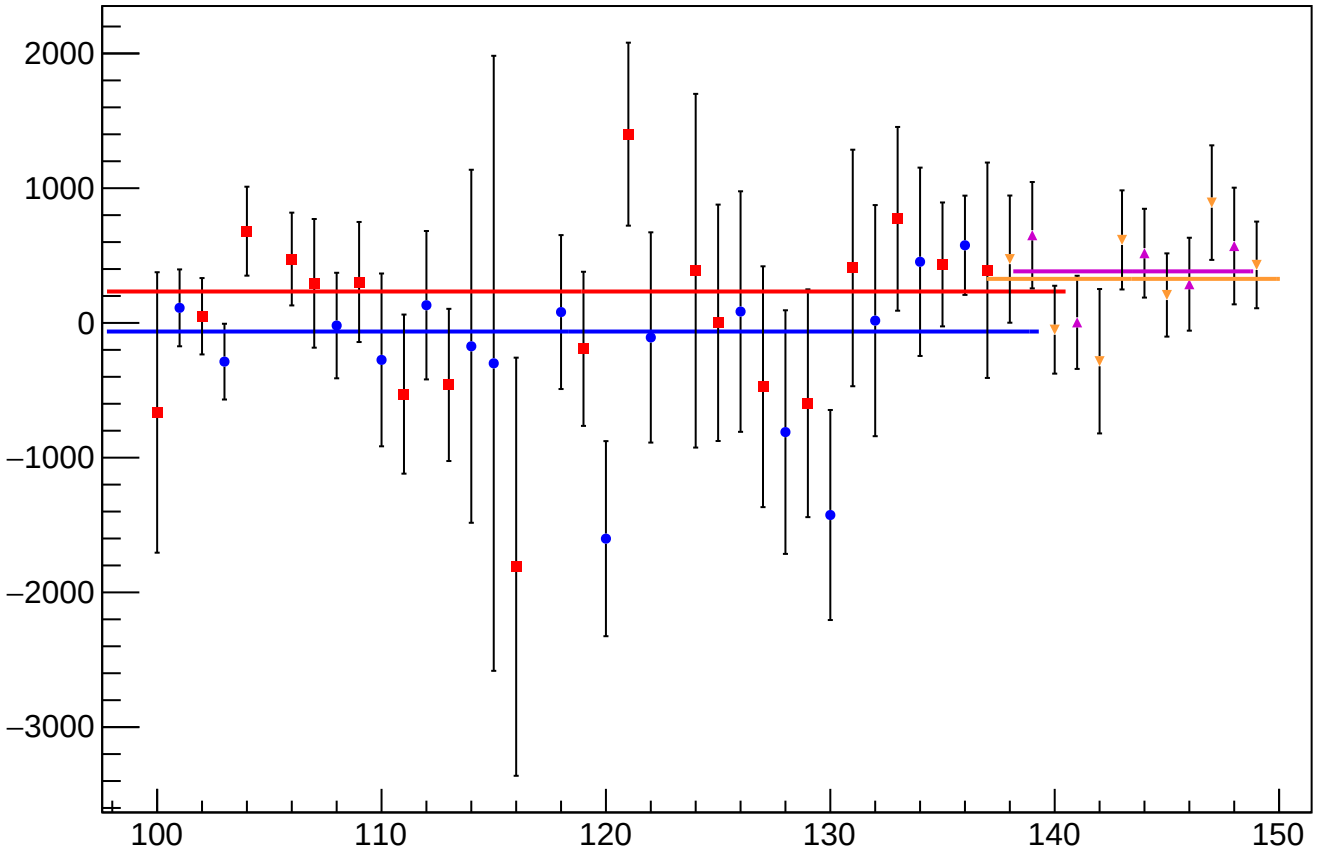
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 57.068+/-0.019 χ^2/NDF:111113.5/4

+ sign 59.976+/-0.012 χ^2/NDF: 461040.3/22

All: 59.695+/-0.009 χ^2/NDF: 881399.2/46

- 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: 326.972+/-140.792 χ^2/NDF:5.4/6

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

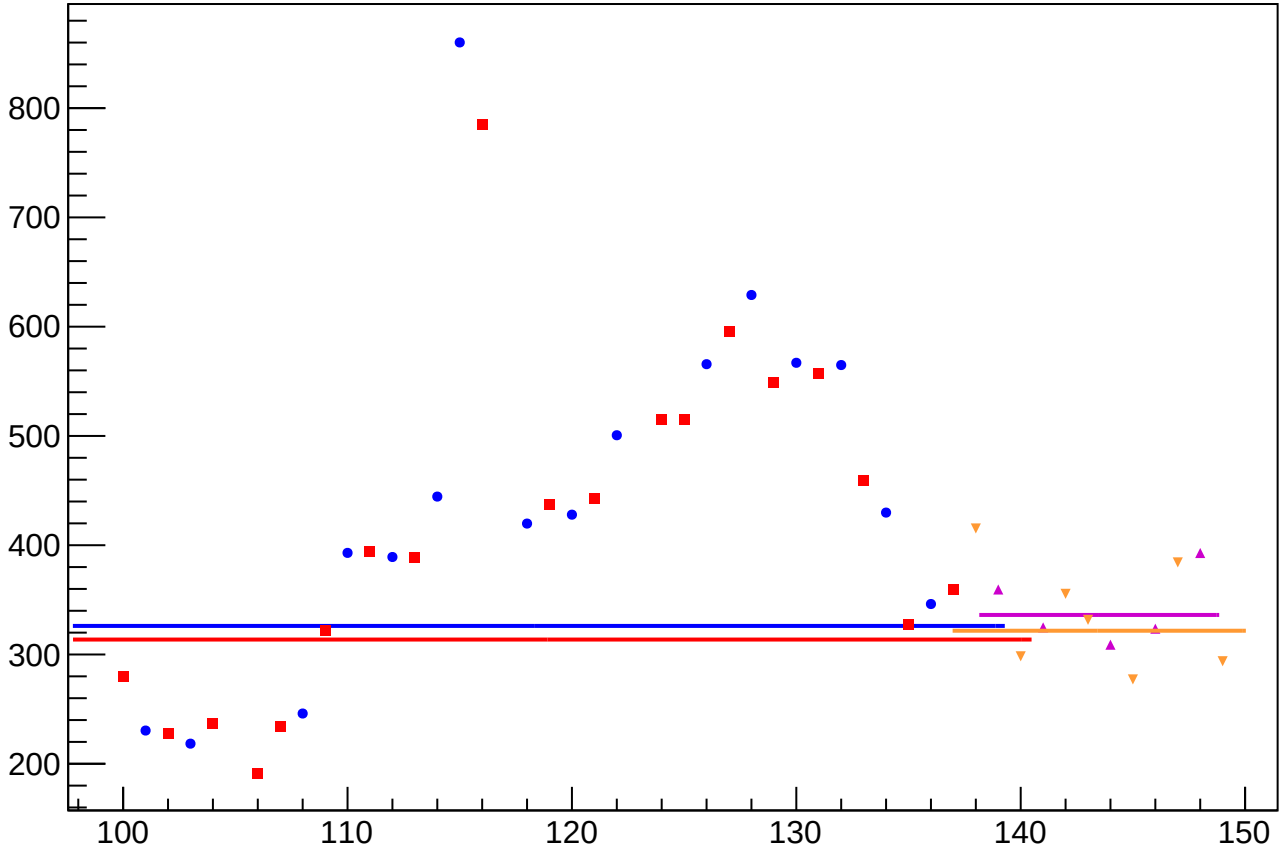
Left In: 382.726+/-162.777 χ^2/NDF:2.1/4

\+ sign 115.531+/-95.382 χ^2/NDF: 22.7/22

All: 199.131+/-68.362 χ^2/NDF: 41.5/46

\- 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: 321.747+/-0.100 χ^2/NDF:198306.8/6

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

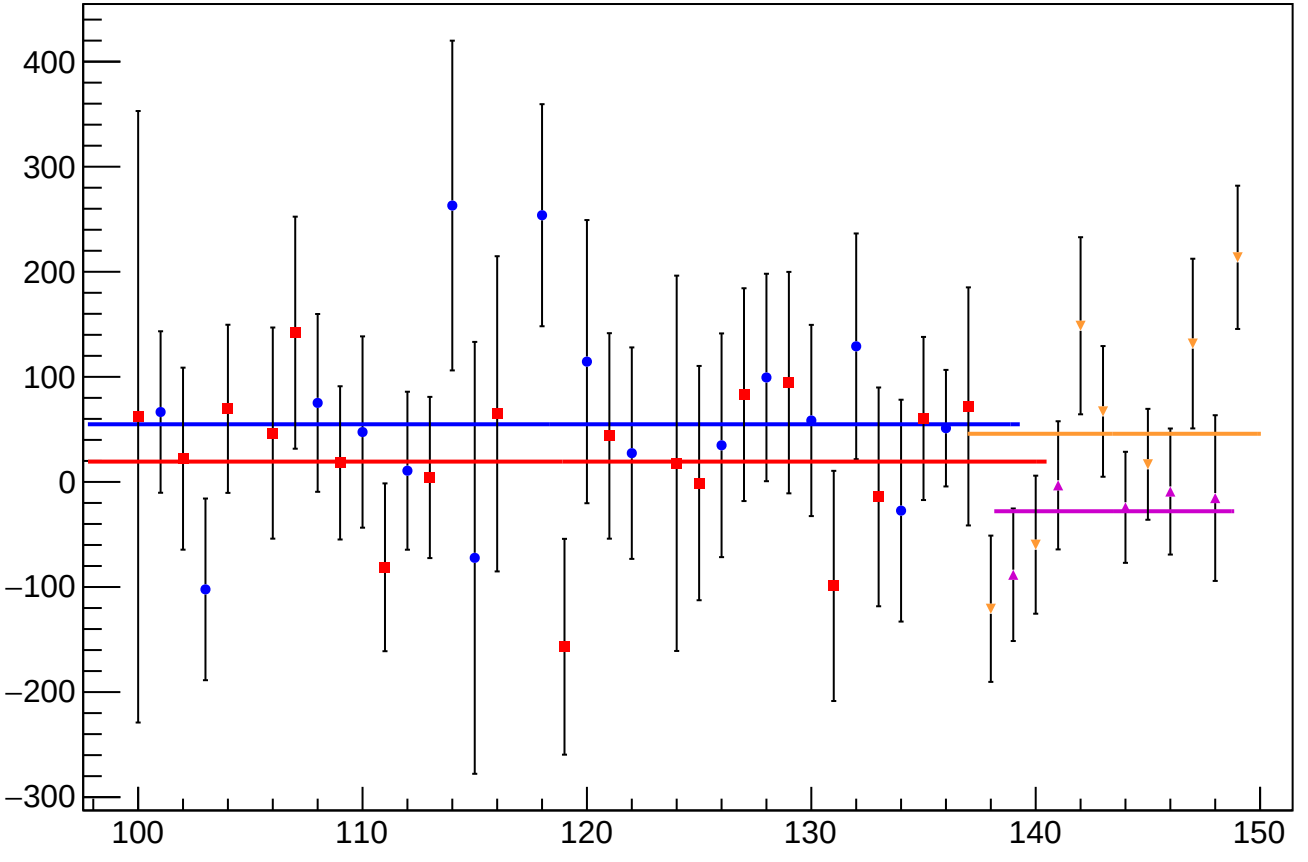
Left In: 336.191+/-0.115 χ^2/NDF:59747.7/4

+ sign 324.128+/-0.067 χ^2/NDF: 1933359.5/22

All: 323.015+/-0.048 χ^2/NDF: 3805410.1/46

- 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: 45.834+/-25.278 χ^2/NDF:17.4/6

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

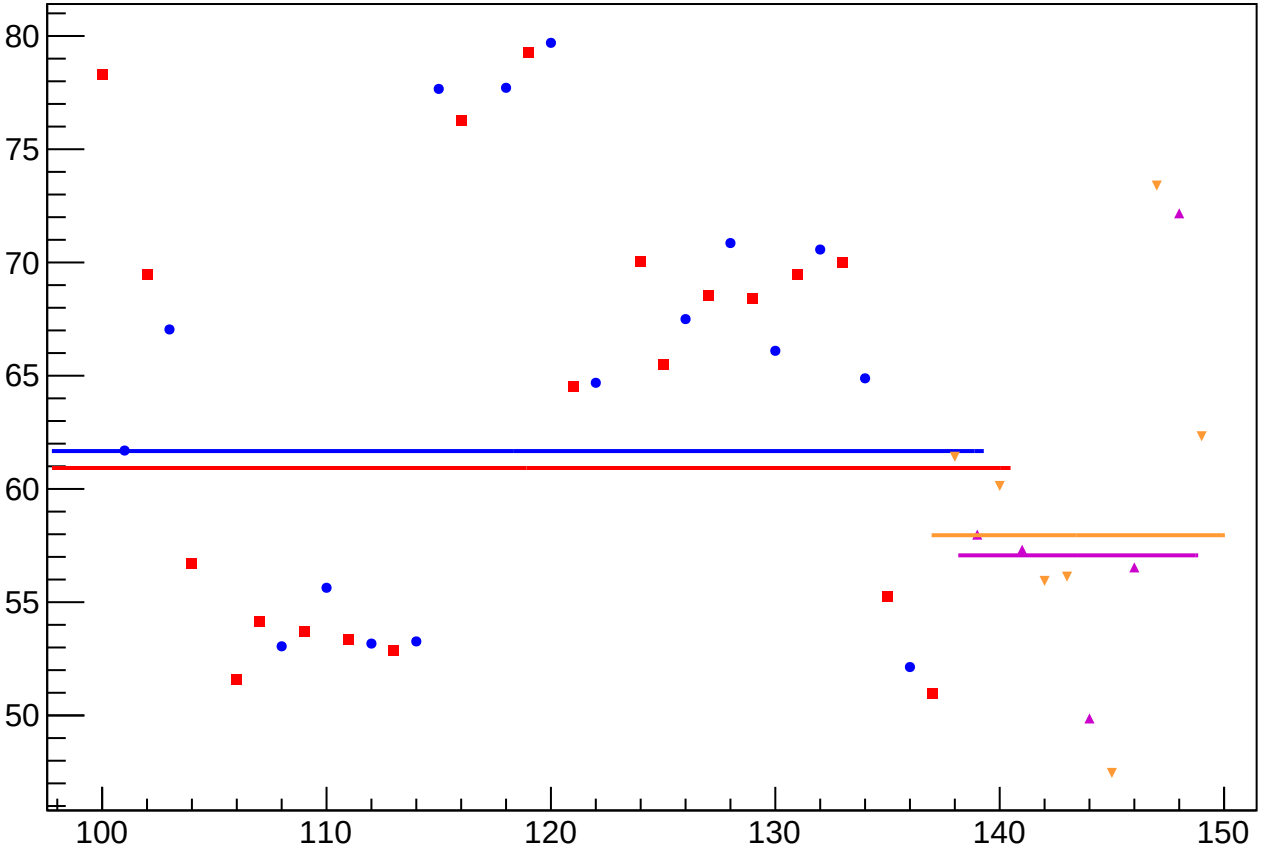
Left In: -27.896+/-27.554 χ^2/NDF:1.2/4

+ sign 50.746+/-17.084 χ^2/NDF: 28.5/22

All: 26.115+/-12.214 χ^2/NDF: 44.9/46

- 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: 57.957+/-0.018 χ^2/NDF:170455.2/6

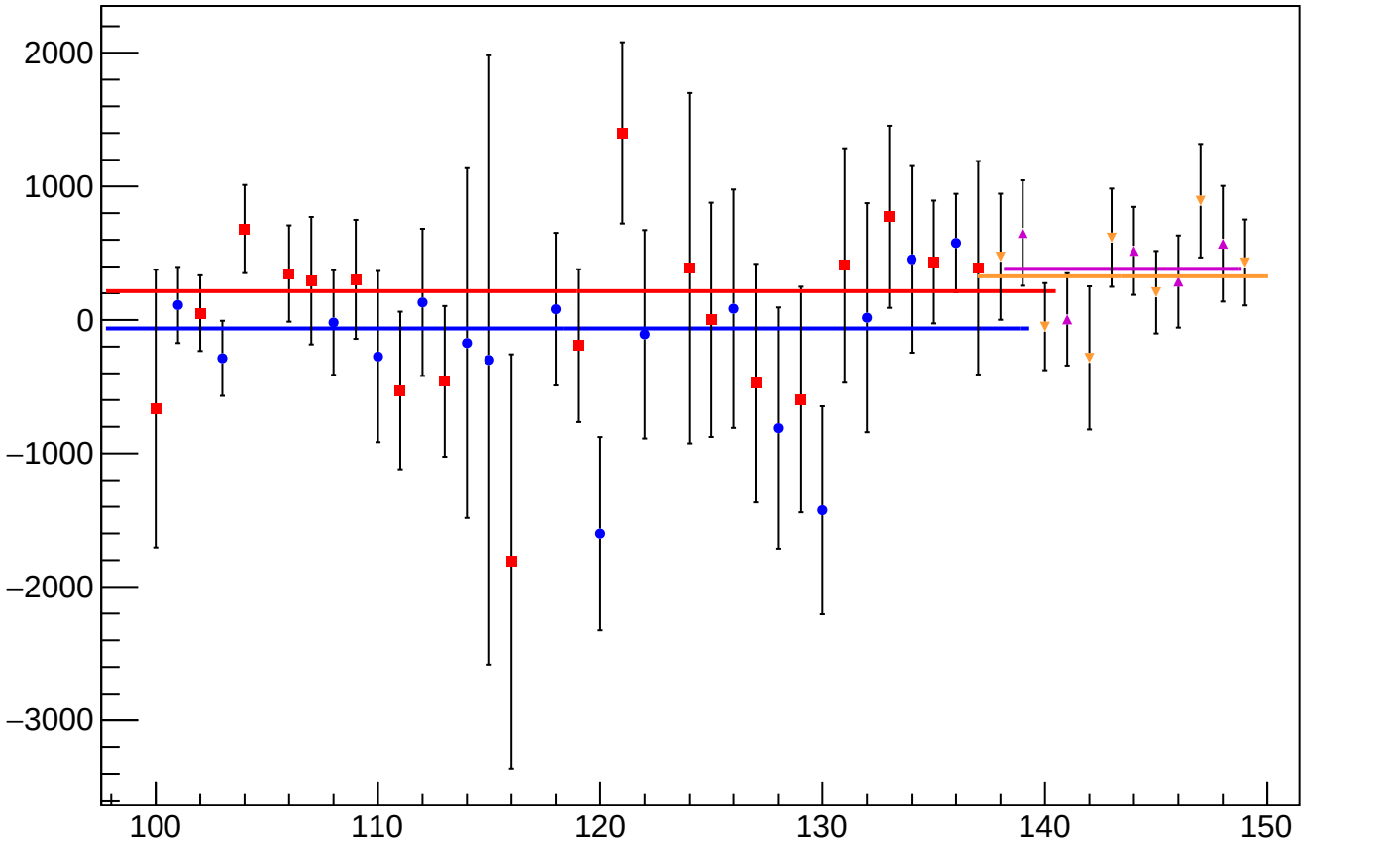
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.068+/-0.019 χ^2/NDF:111113.6/4

+ sign 59.976+/-0.012 χ^2/NDF: 461040.5/22

All: 59.682+/-0.009 χ^2/NDF: 884383.9/46

- 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: 326.970+/-140.792 χ^2/NDF:5.4/6

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

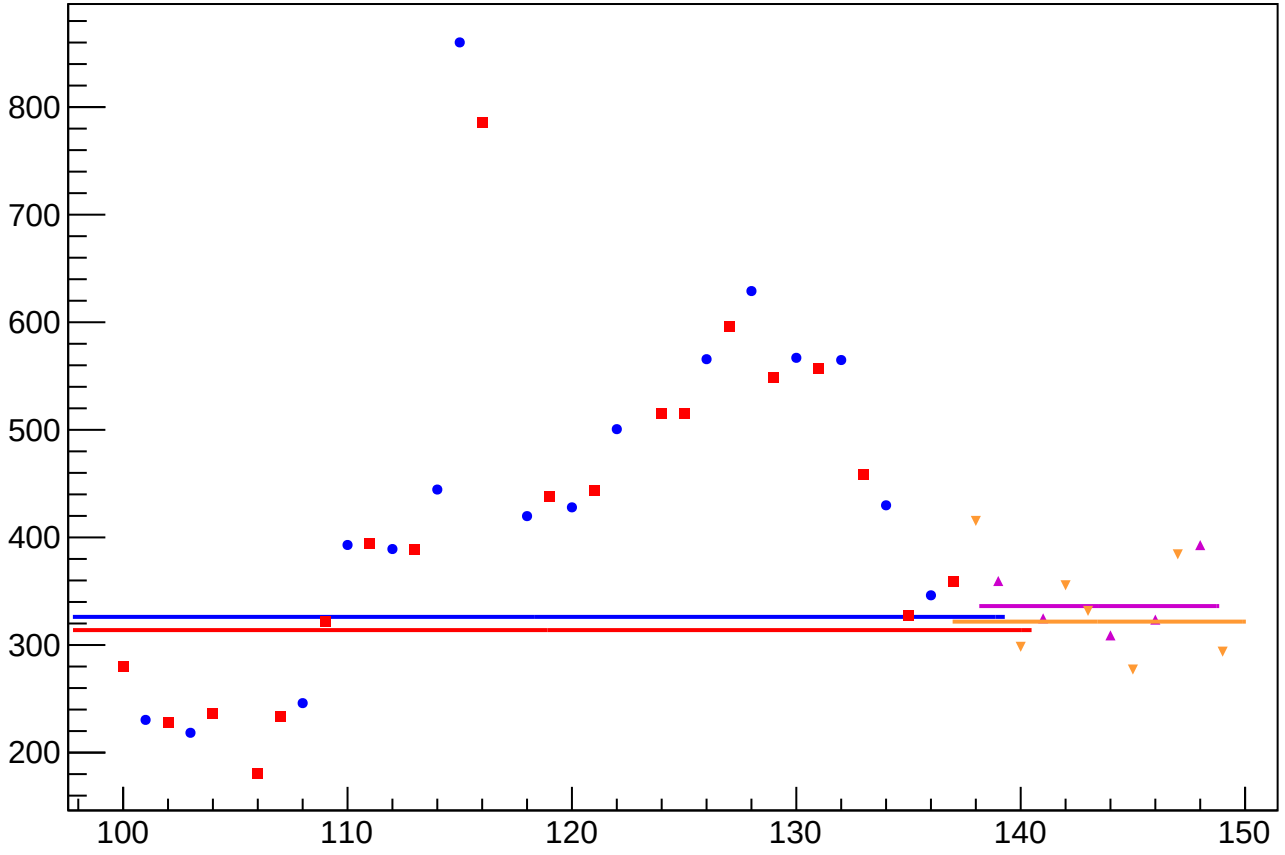
Left In: 382.729+/-162.777 χ^2/NDF:2.1/4

+ sign 115.539+/-95.383 χ^2/NDF: 22.7/22

All: 193.698+/-68.482 χ^2/NDF: 41.0/46

- sign 276.850+/-98.383 χ^2/NDF: 16.9/23

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 321.747+/-0.100 χ^2/NDF:198307.3/6

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

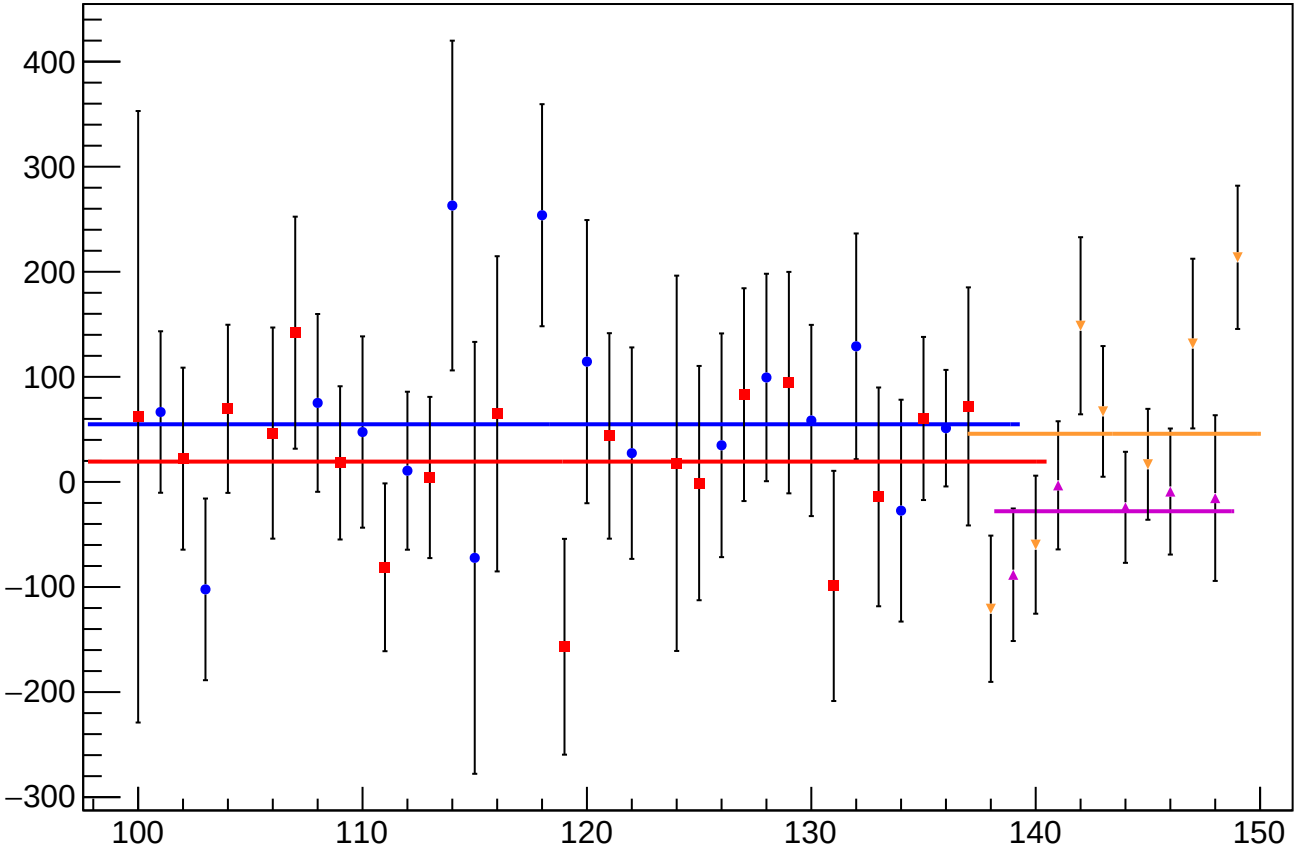
Left In: 336.191+/-0.115 χ^2/NDF:59746.4/4

+ sign 324.129+/-0.067 χ^2/NDF: 1933300.4/22

All: 323.106+/-0.048 χ^2/NDF: 3823190.6/46

- 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: 45.834+/-25.278 χ^2/NDF:17.4/6

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

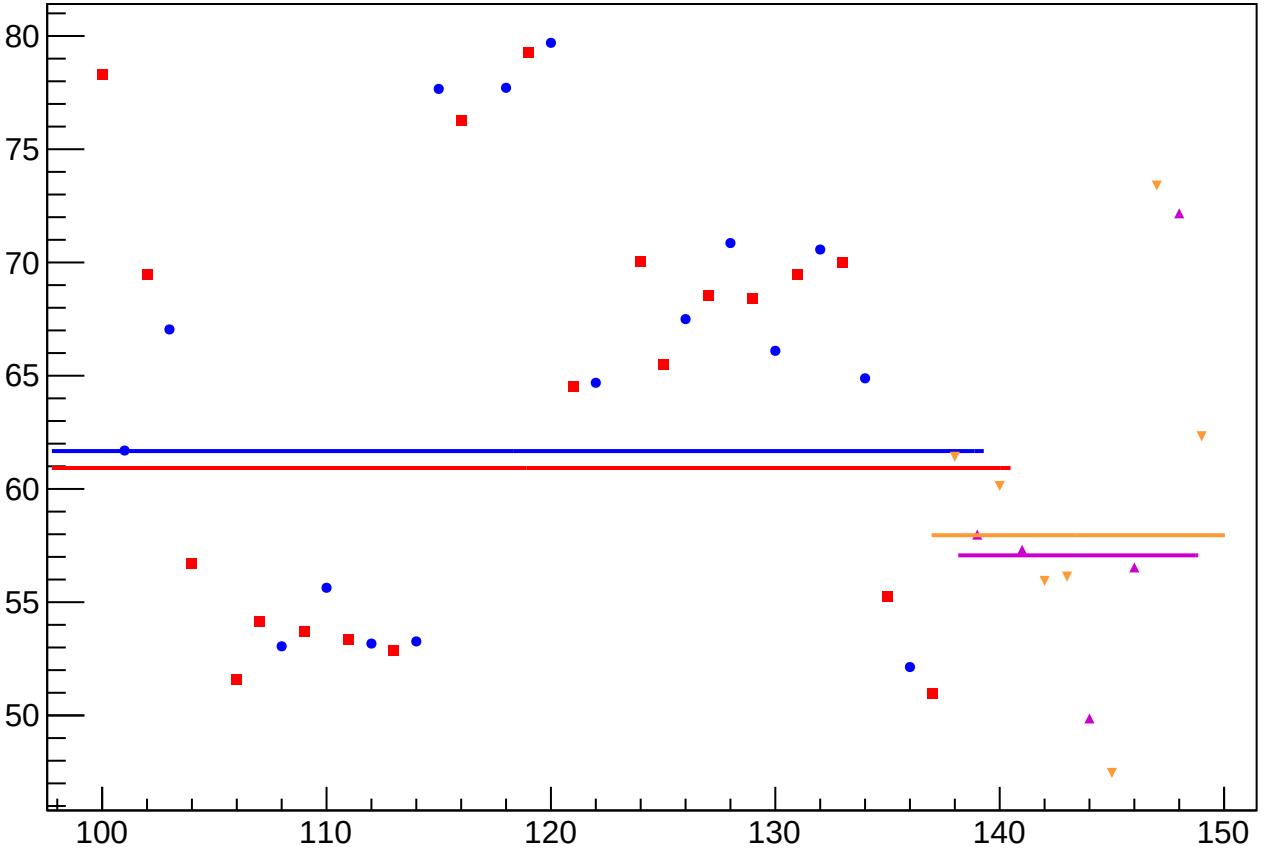
Left In: -27.896+/-27.554 χ^2/NDF:1.2/4

+ sign 50.746+/-17.084 χ^2/NDF: 28.5/22

All: 26.115+/-12.214 χ^2/NDF: 44.9/46

- 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: 57.957+/-0.018 χ^2/NDF:170455.2/6

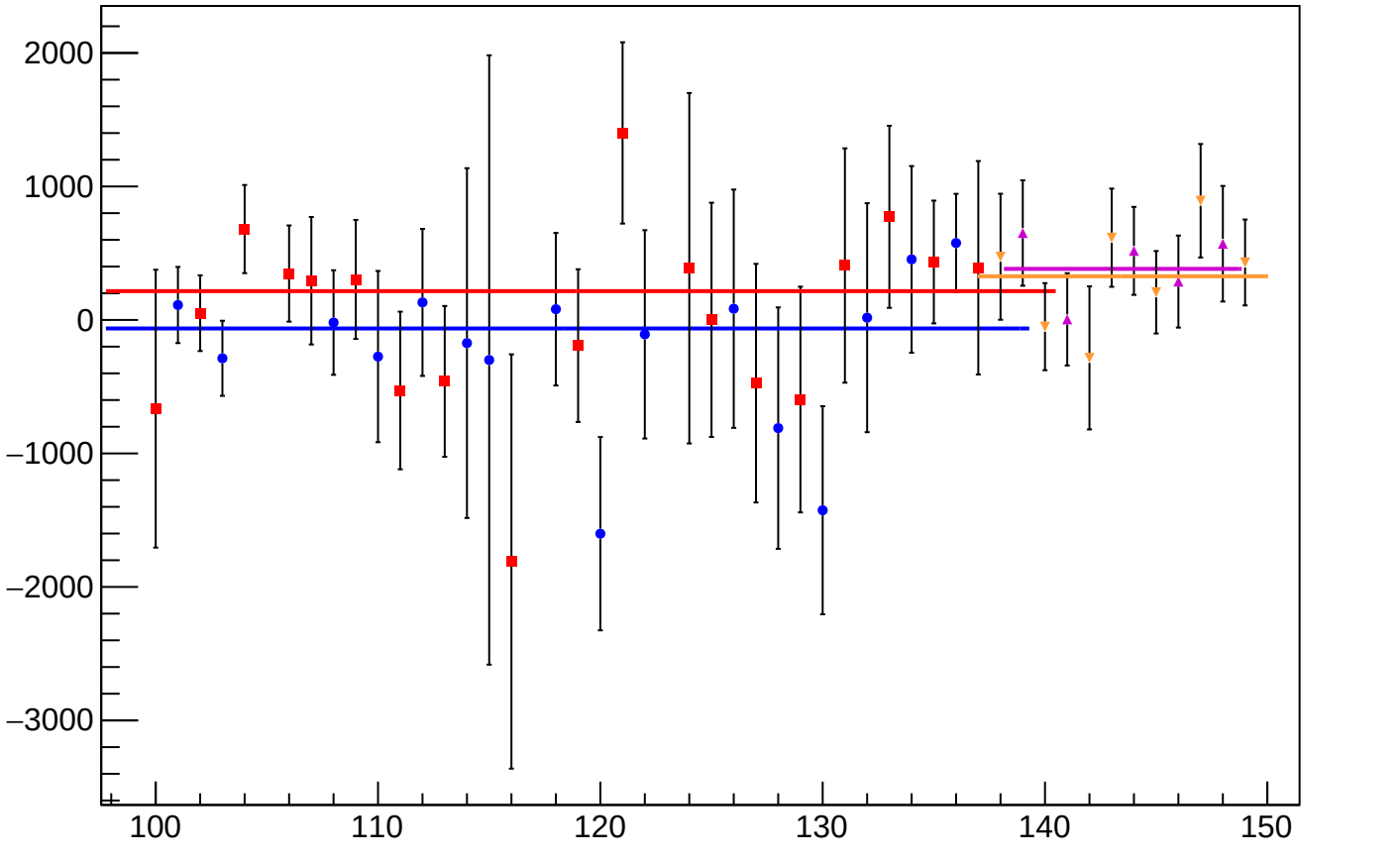
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.068+/-0.019 χ^2/NDF:111113.6/4

+ sign 59.976+/-0.012 χ^2/NDF: 461040.5/22

All: 59.682+/-0.009 χ^2/NDF: 884383.9/46

- 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: 326.970+/-140.792 χ^2/NDF:5.4/6

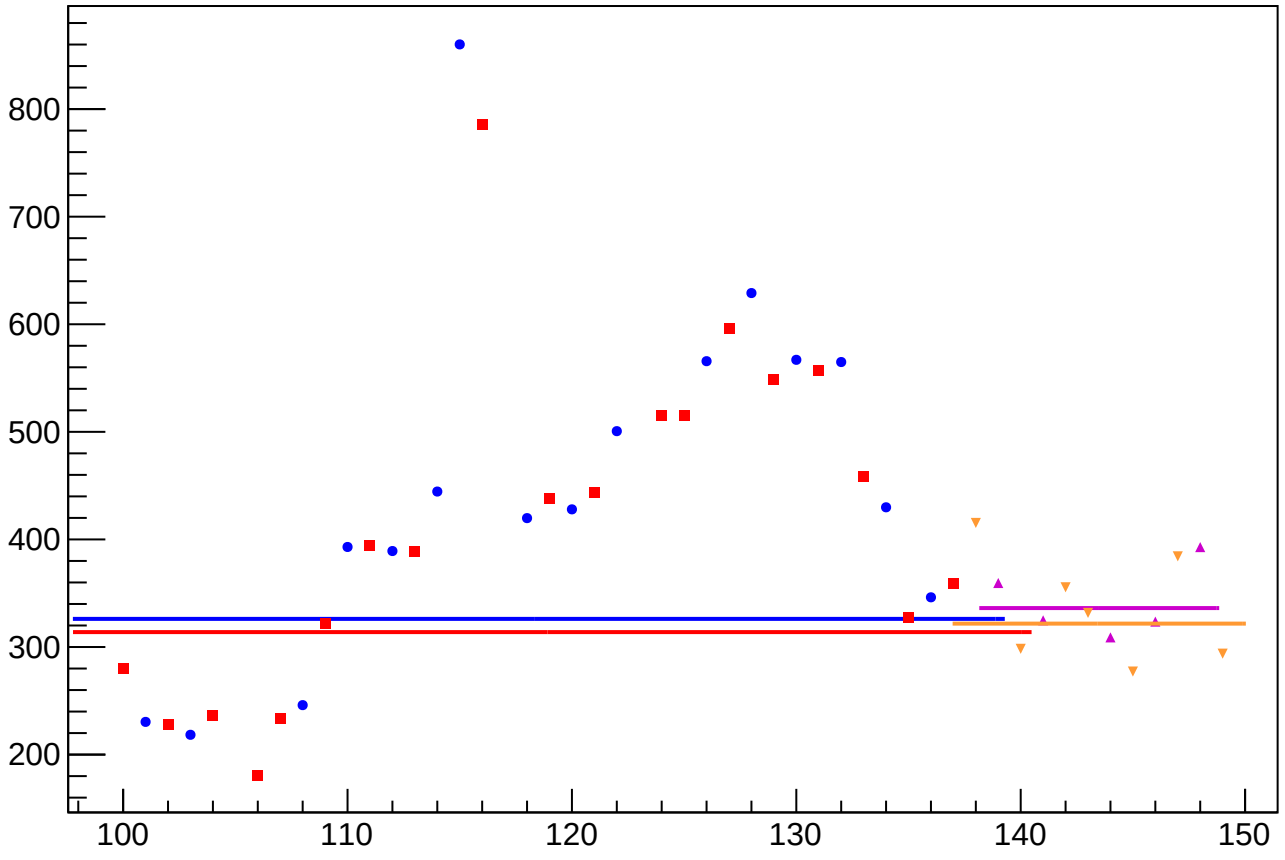
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 382.729+/-162.777 χ^2/NDF:2.1/4

+ sign 115.539+/-95.383 χ^2/NDF: 22.7/22

All: 193.698+/-68.482 χ^2/NDF: 41.0/46

- 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: 321.747+/-0.100 χ^2/NDF:198307.3/6

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

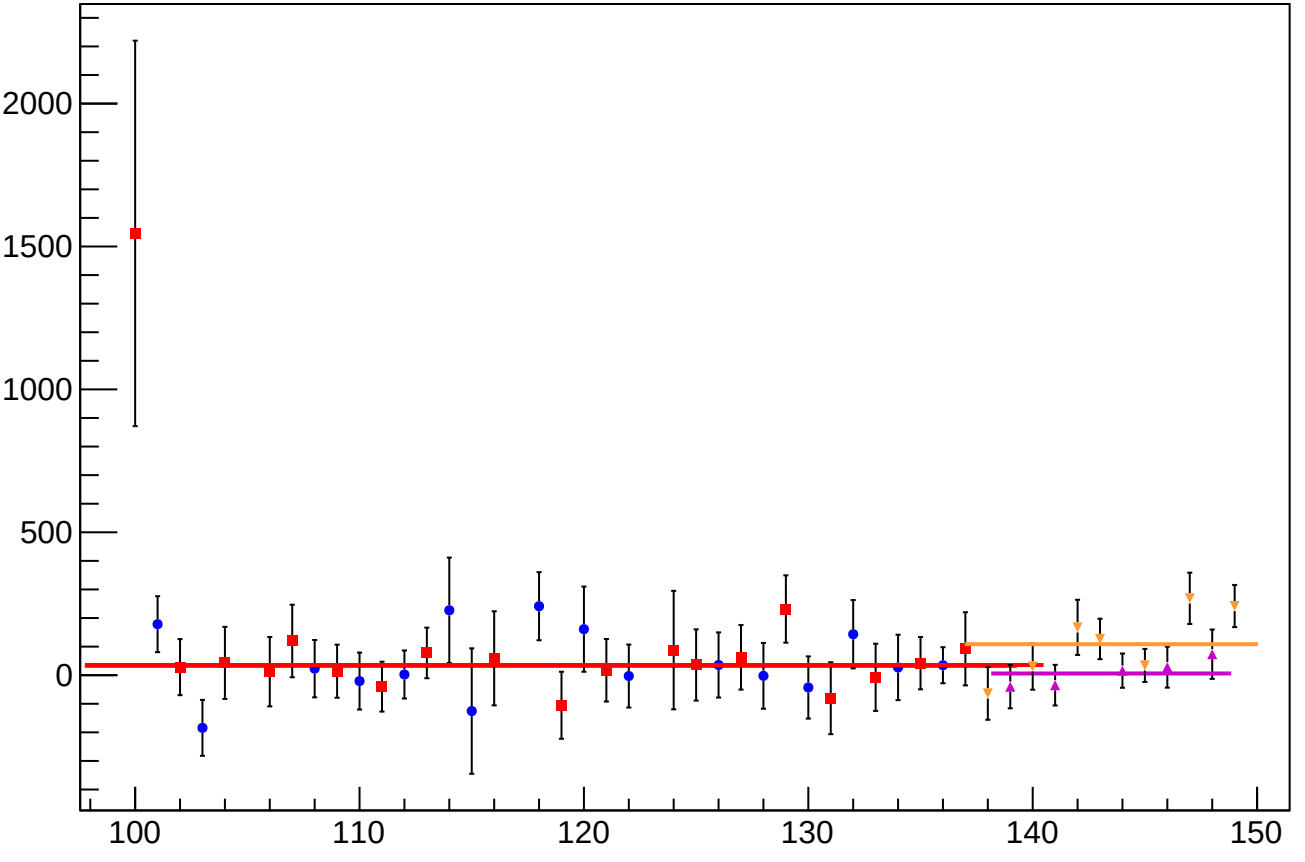
Left In: 336.191+/-0.115 χ^2/NDF:59746.4/4

+ sign 324.129+/-0.067 χ^2/NDF: 1933300.4/22

All: 323.106+/-0.048 χ^2/NDF: 3823190.6/46

- 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: 108.491+/-29.085 χ^2/NDF:13.0/6

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

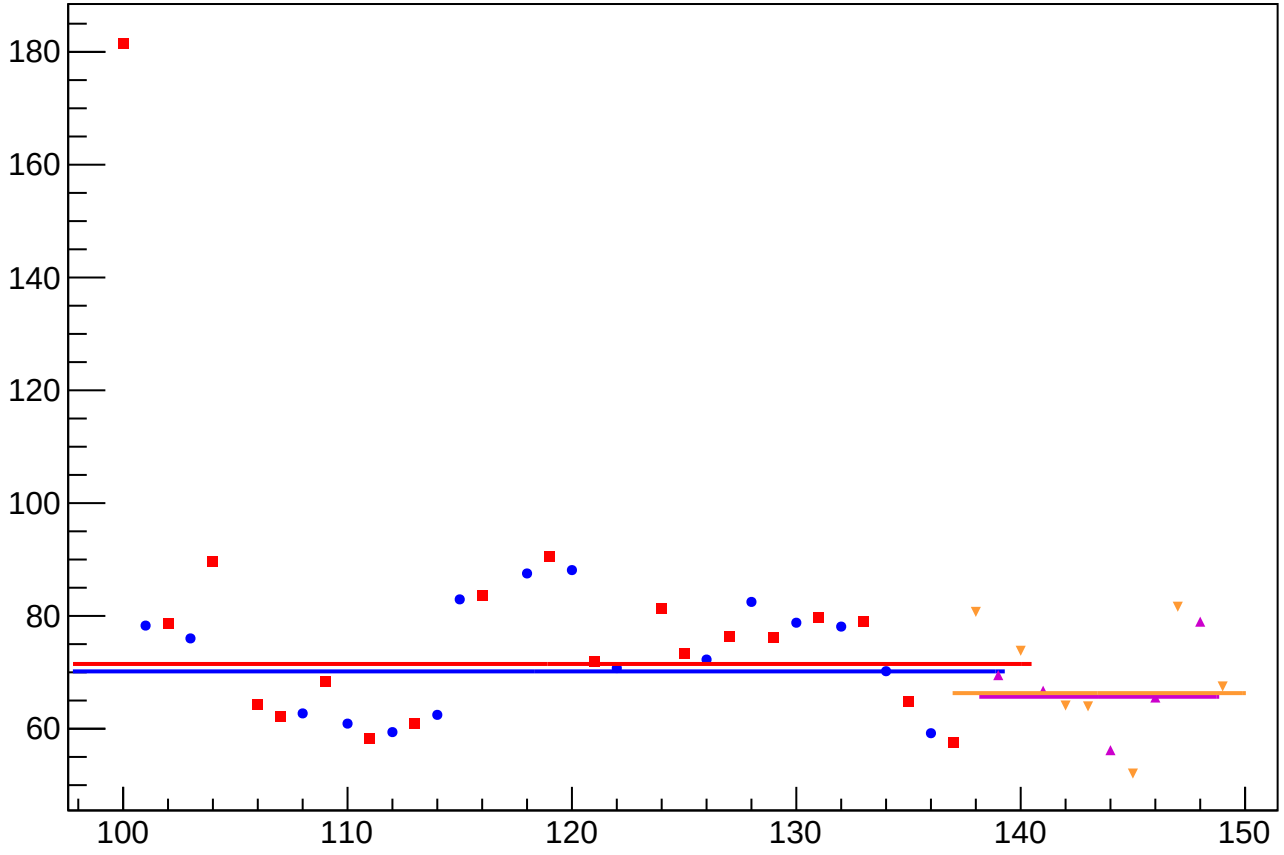
Left In: 6.039+/-31.950 χ^2/NDF:1.4/4

+ sign 67.340+/-19.554 χ^2/NDF: 31.2/22

All: 46.371+/-14.121 χ^2/NDF: 47.6/46

- 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: 66.313+/-0.021 χ^2/NDF:249277.9/6

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

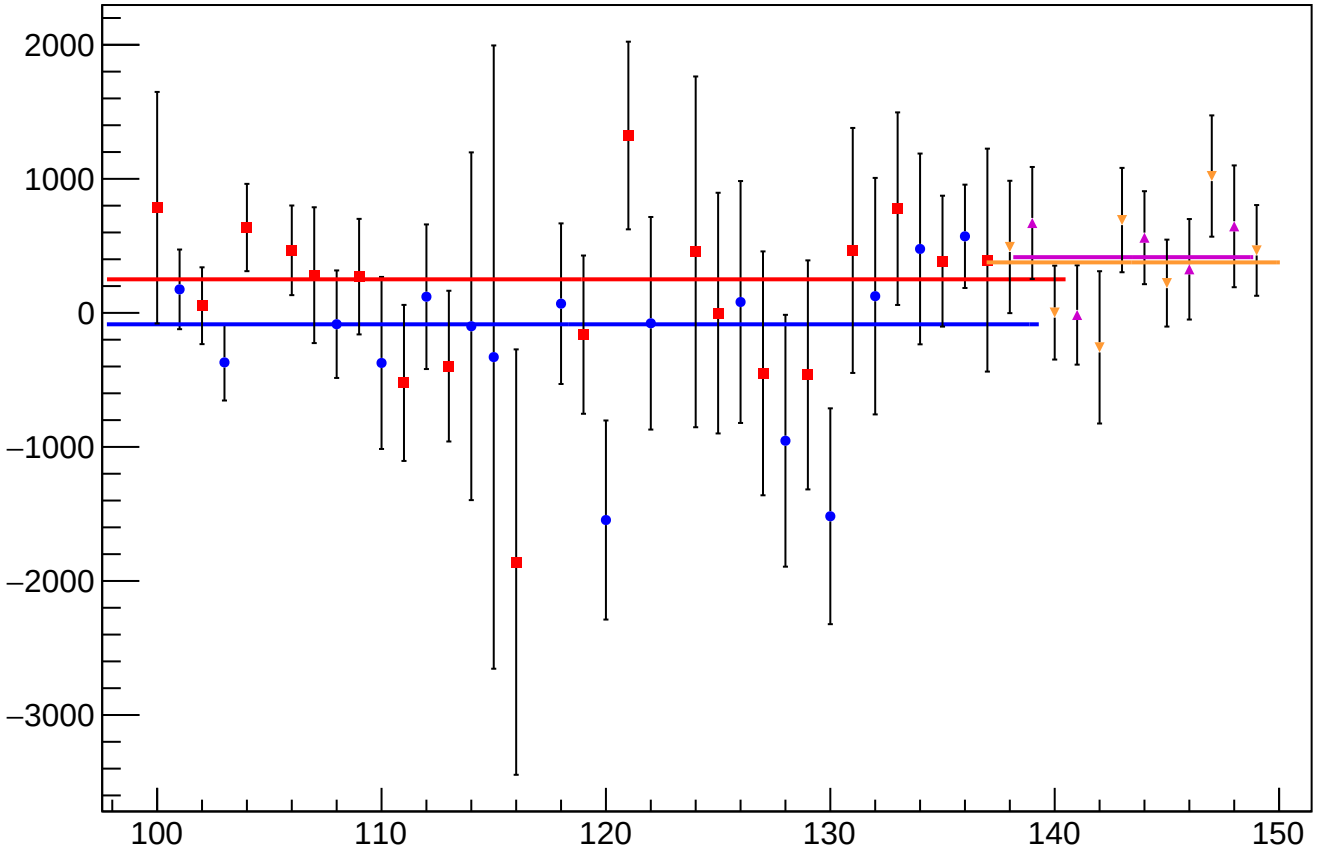
Left In: 65.670+/-0.023 χ^2/NDF:103194.4/4

+ sign 68.425+/-0.014 χ^2/NDF: 537772.3/22

All: 68.753+/-0.010 χ^2/NDF: 1007041.6/46

- 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: 376.753+/-148.968 χ^2/NDF:5.4/6

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

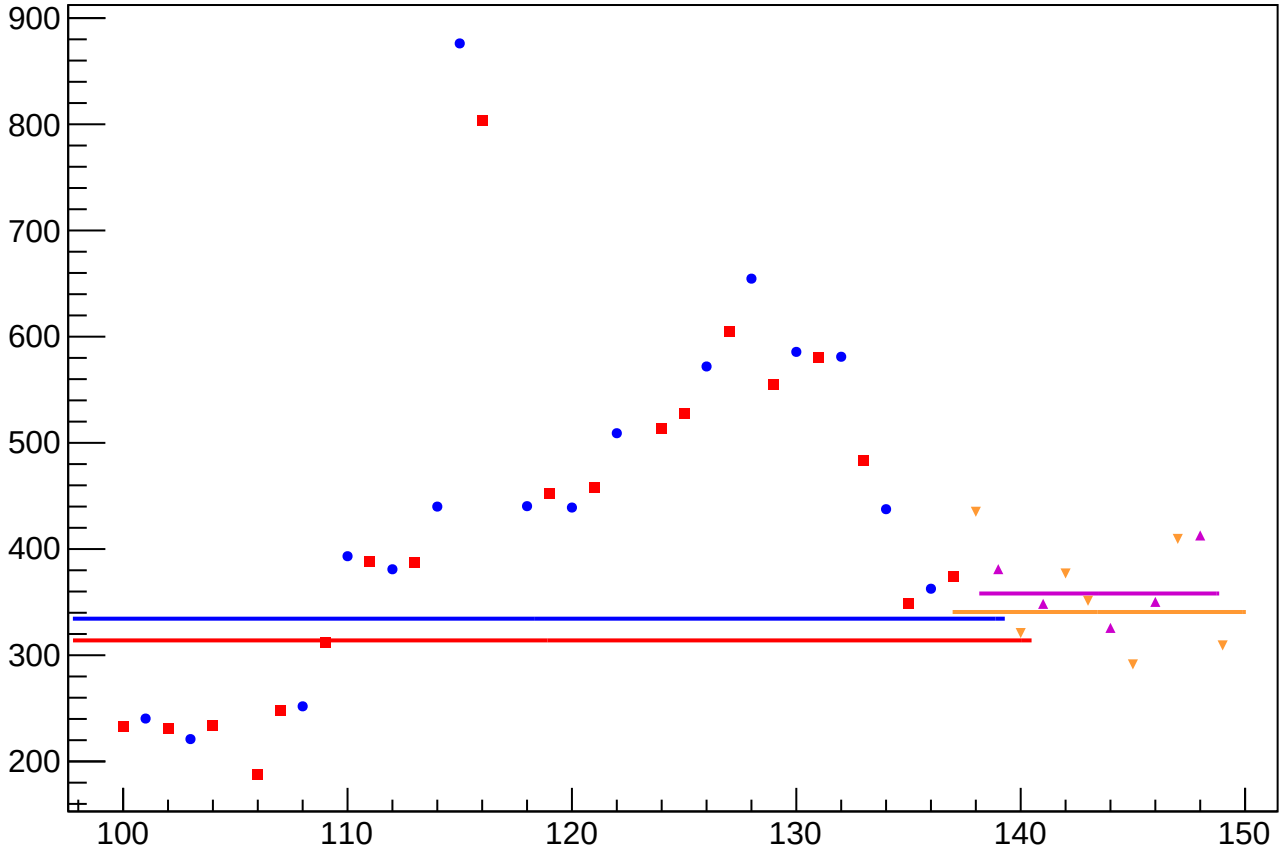
Left In: 415.753+/-173.360 χ^2/NDF:2.2/4

+ sign 119.497+/-99.161 χ^2/NDF: 24.5/22

All: 211.505+/-70.579 χ^2/NDF: 41.5/46

- 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: 340.724+/-0.105 χ^2/NDF:198986.2/6

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

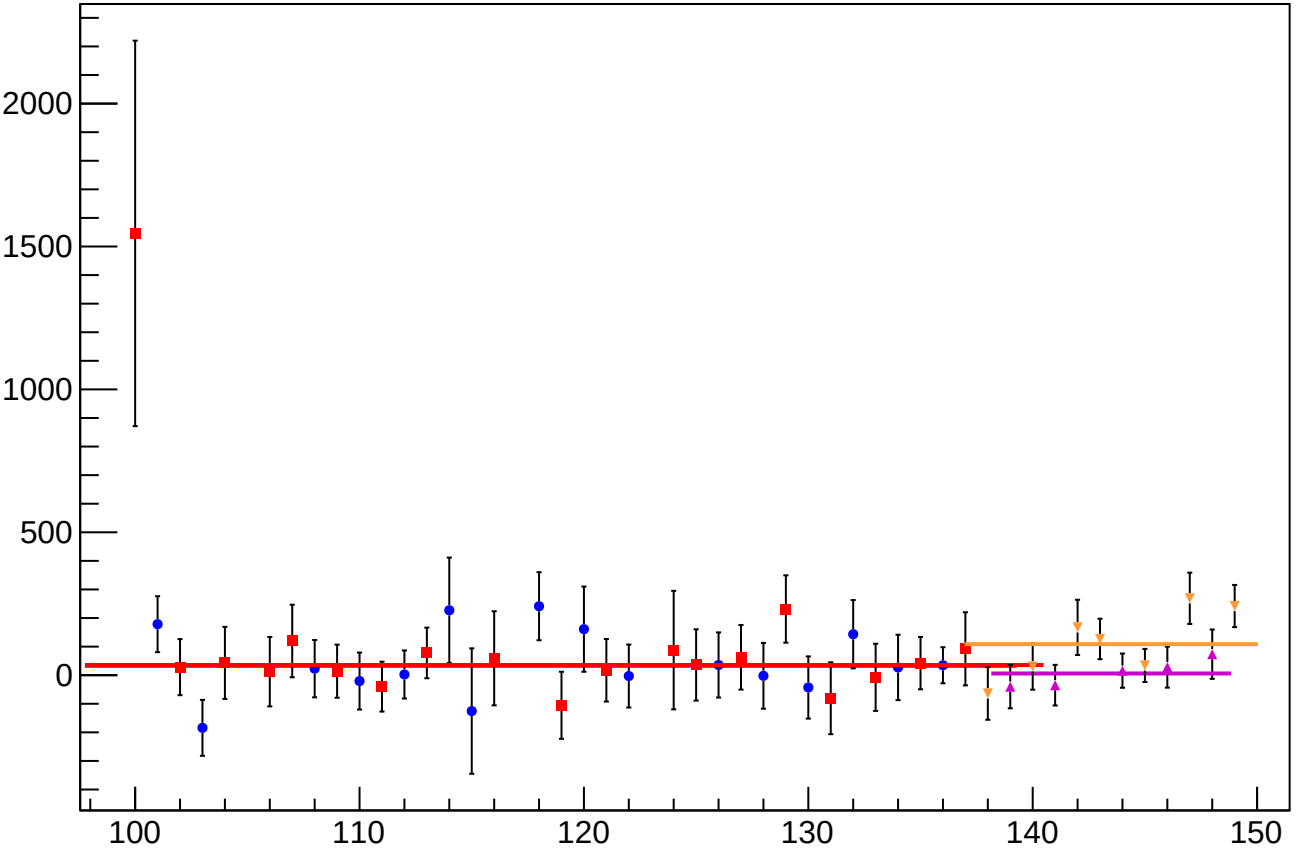
Left In: 358.144+/-0.123 χ^2/NDF:54656.2/4

+ sign 337.219+/-0.070 χ^2/NDF: 1931583.9/22

All: 333.070+/-0.050 χ^2/NDF: 3984171.0/46

- 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: 108.490+/-29.085 χ^2/NDF:13.0/6

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

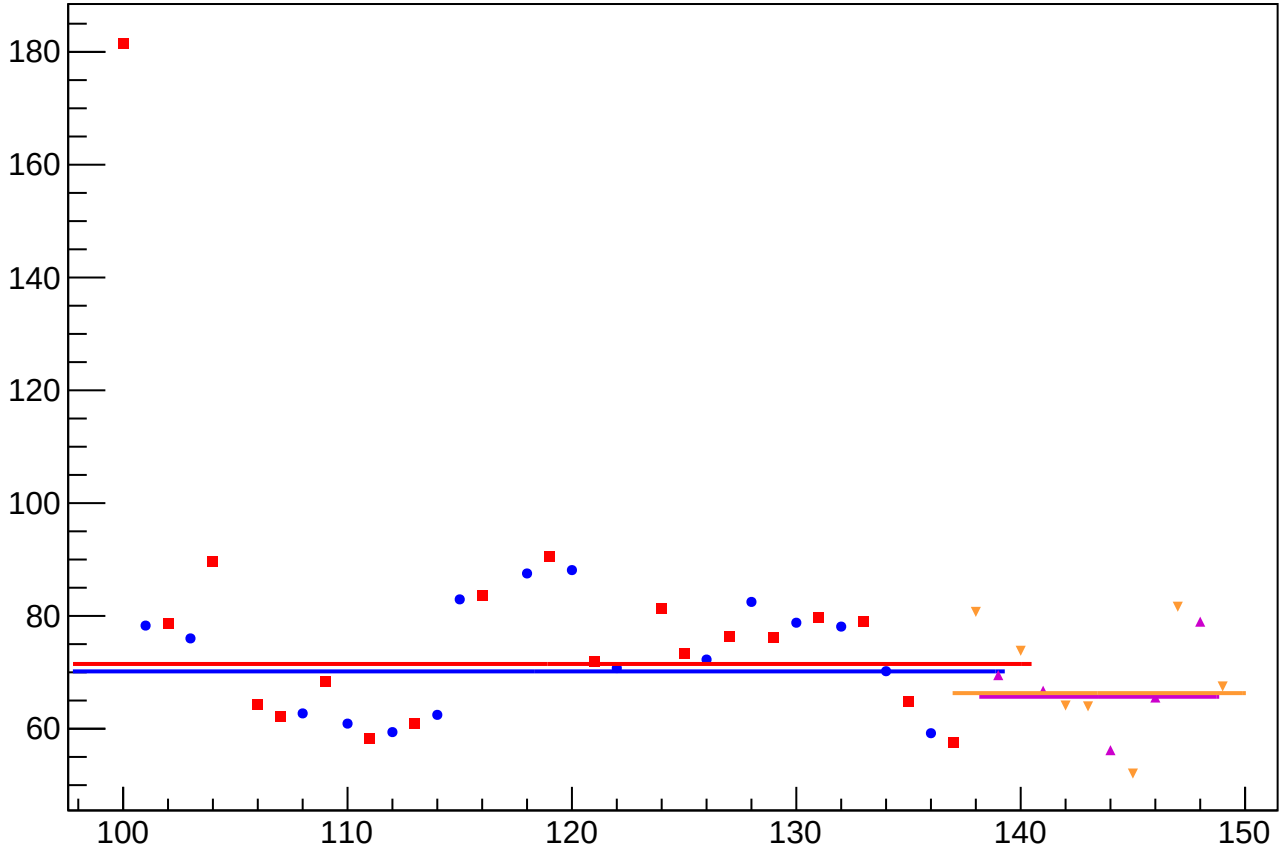
Left In: 6.039+/-31.950 χ^2/NDF:1.4/4

+ sign 67.339+/-19.554 χ^2/NDF: 31.2/22

All: 46.371+/-14.121 χ^2/NDF: 47.6/46

- 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: 66.313+/-0.021 χ^2/NDF:249281.4/6

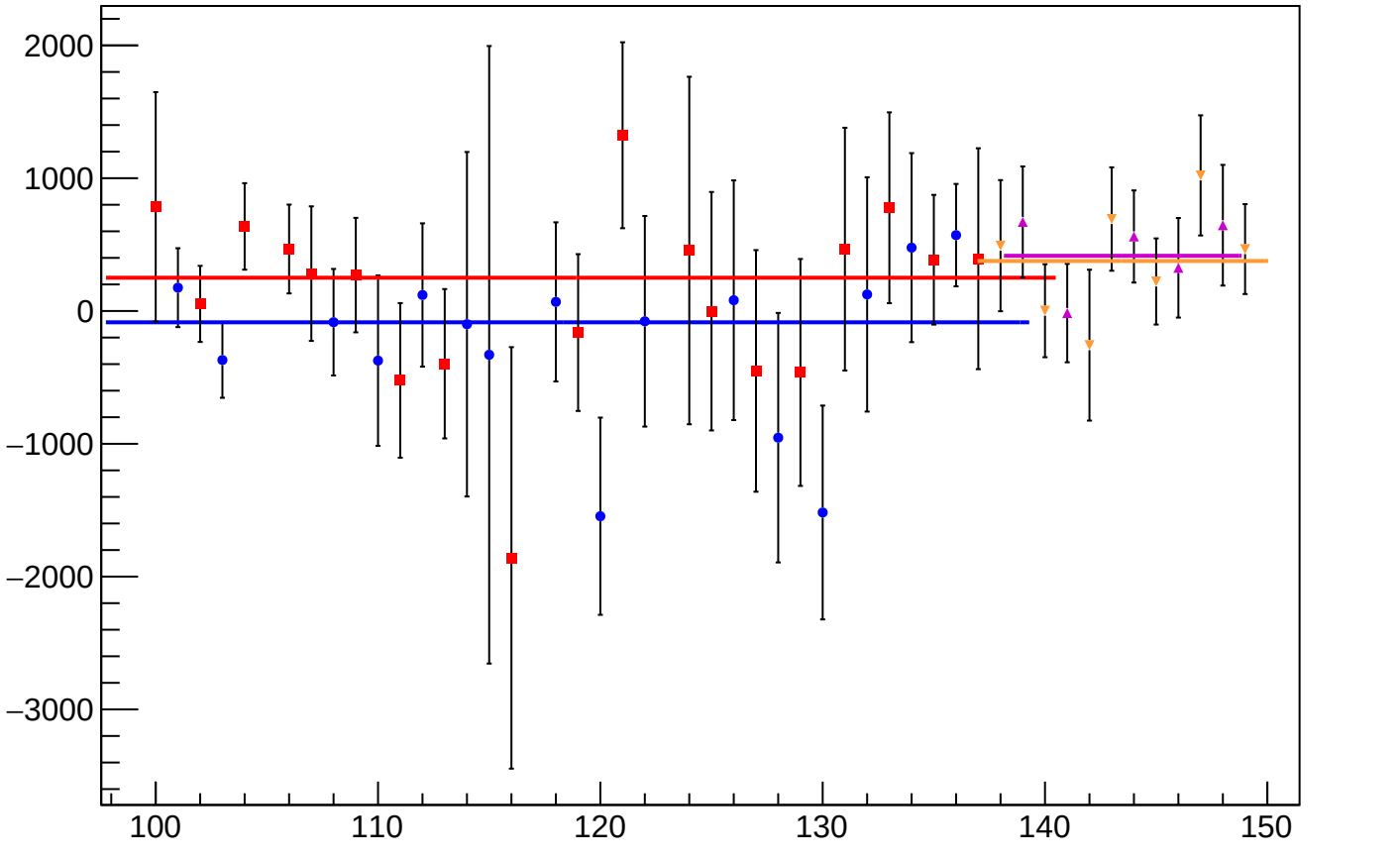
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 65.669+/-0.023 χ^2/NDF:103194.5/4

+ sign 68.425+/-0.014 χ^2/NDF: 537780.8/22

All: 68.753+/-0.010 χ^2/NDF: 1007058.6/46

- 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: 376.753+/-148.968 χ^2/NDF:5.4/6

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

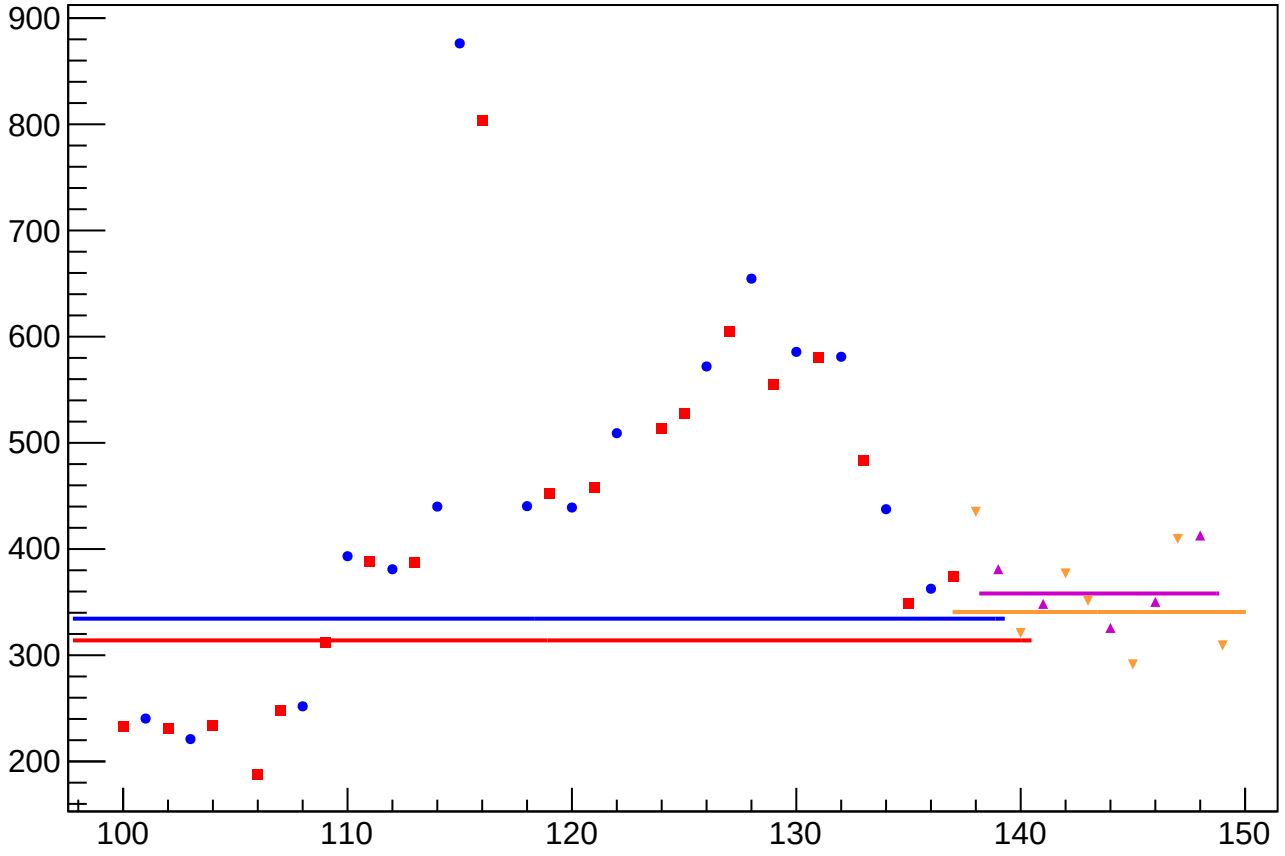
Left In: 415.753+/-173.360 χ^2/NDF:2.2/4

+ sign 119.497+/-99.161 χ^2/NDF: 24.5/22

All: 211.504+/-70.579 χ^2/NDF: 41.5/46

- sign 305.974+/-100.479 χ^2/NDF: 15.3/23

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 340.723+/-0.105 χ^2/NDF:198987.6/6

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

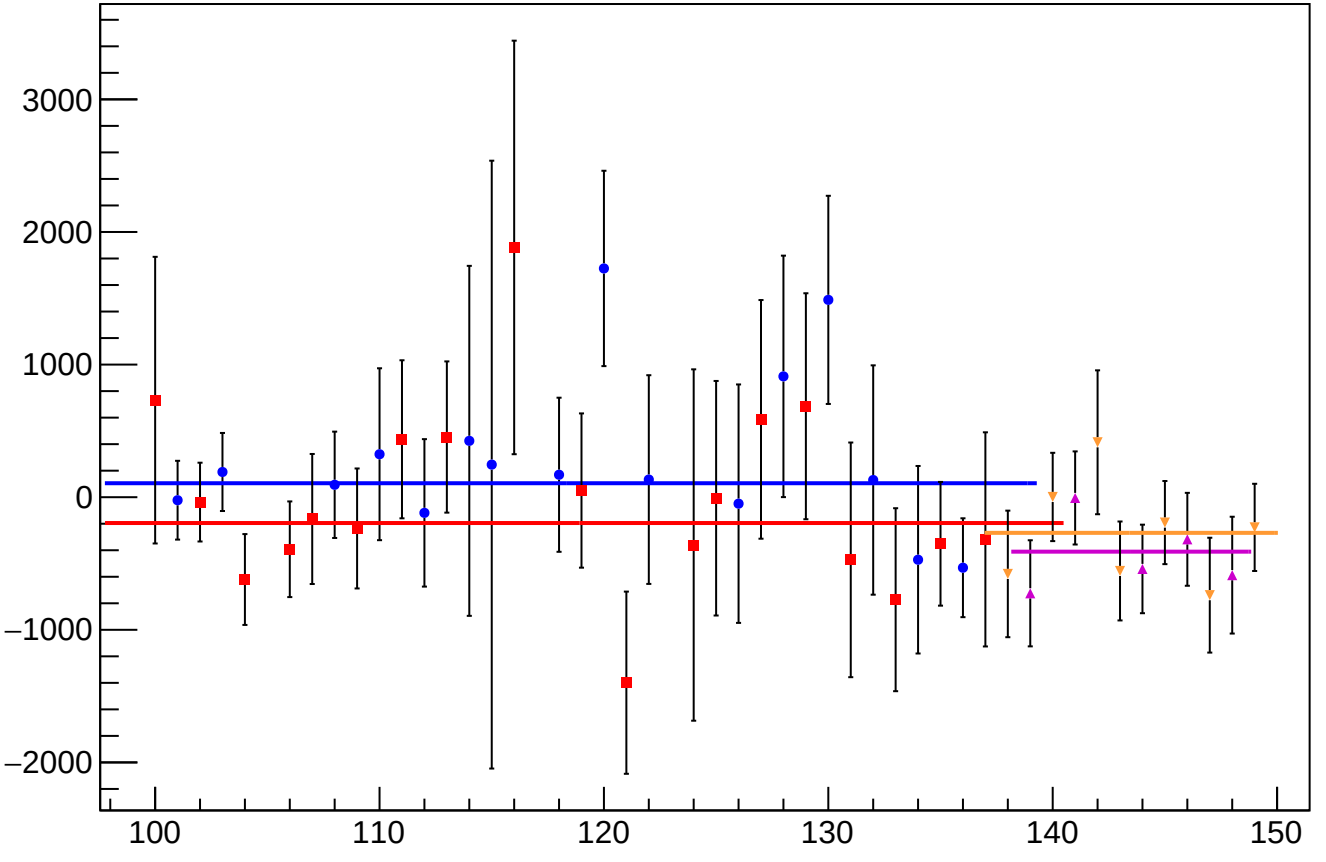
Left In: 358.144+/-0.123 χ^2/NDF:54656.6/4

+ sign 337.219+/-0.070 χ^2/NDF: 1931584.2/22

All: 333.070+/-0.050 χ^2/NDF: 3984169.8/46

- 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: -268.849+/-143.206 χ^2/NDF:4.5/6

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

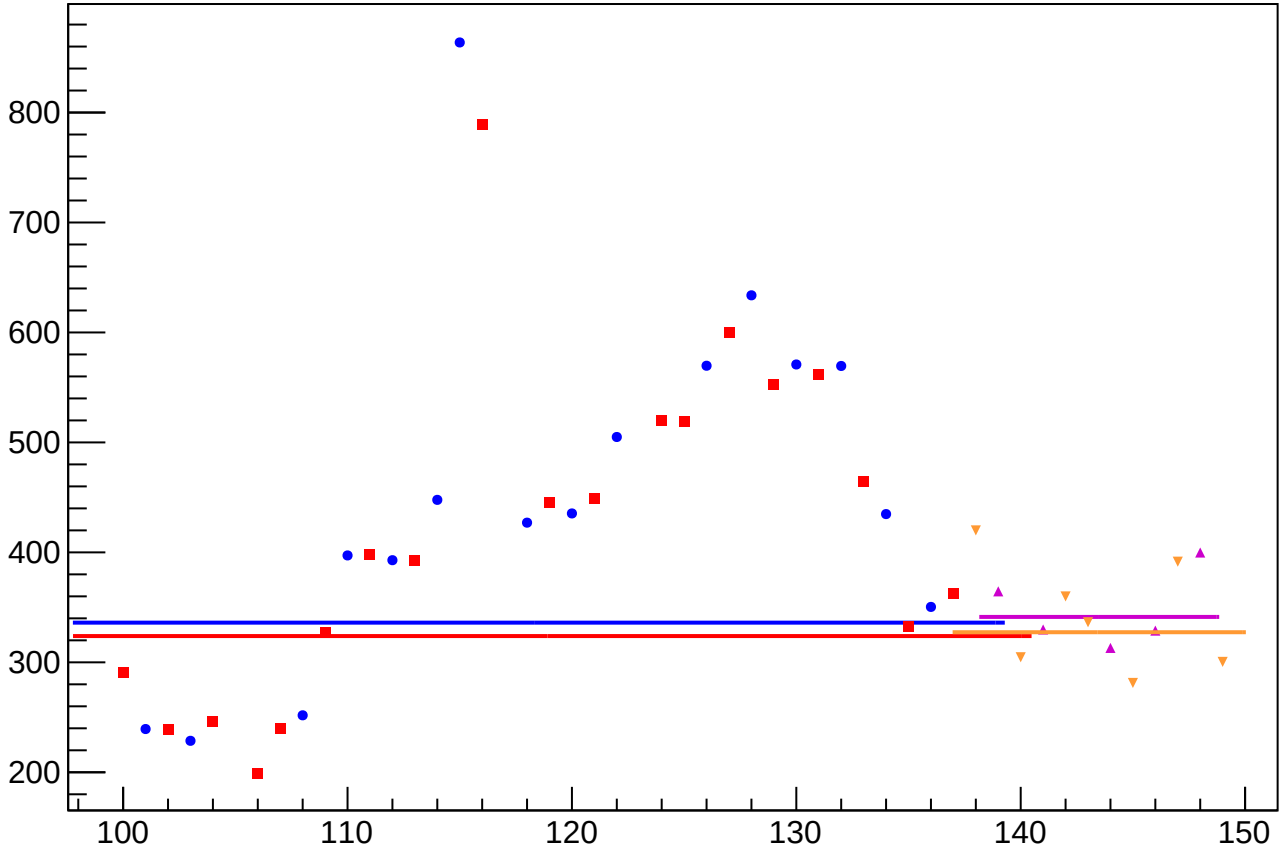
Left In: -410.636+/-165.213 χ^2/NDF:2.3/4

+ sign -67.985+/-97.472 χ^2/NDF: 21.1/22

All: -168.192+/-69.897 χ^2/NDF: 39.9/46

- 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: 327.378+/-0.101 χ^2/NDF:193723.0/6

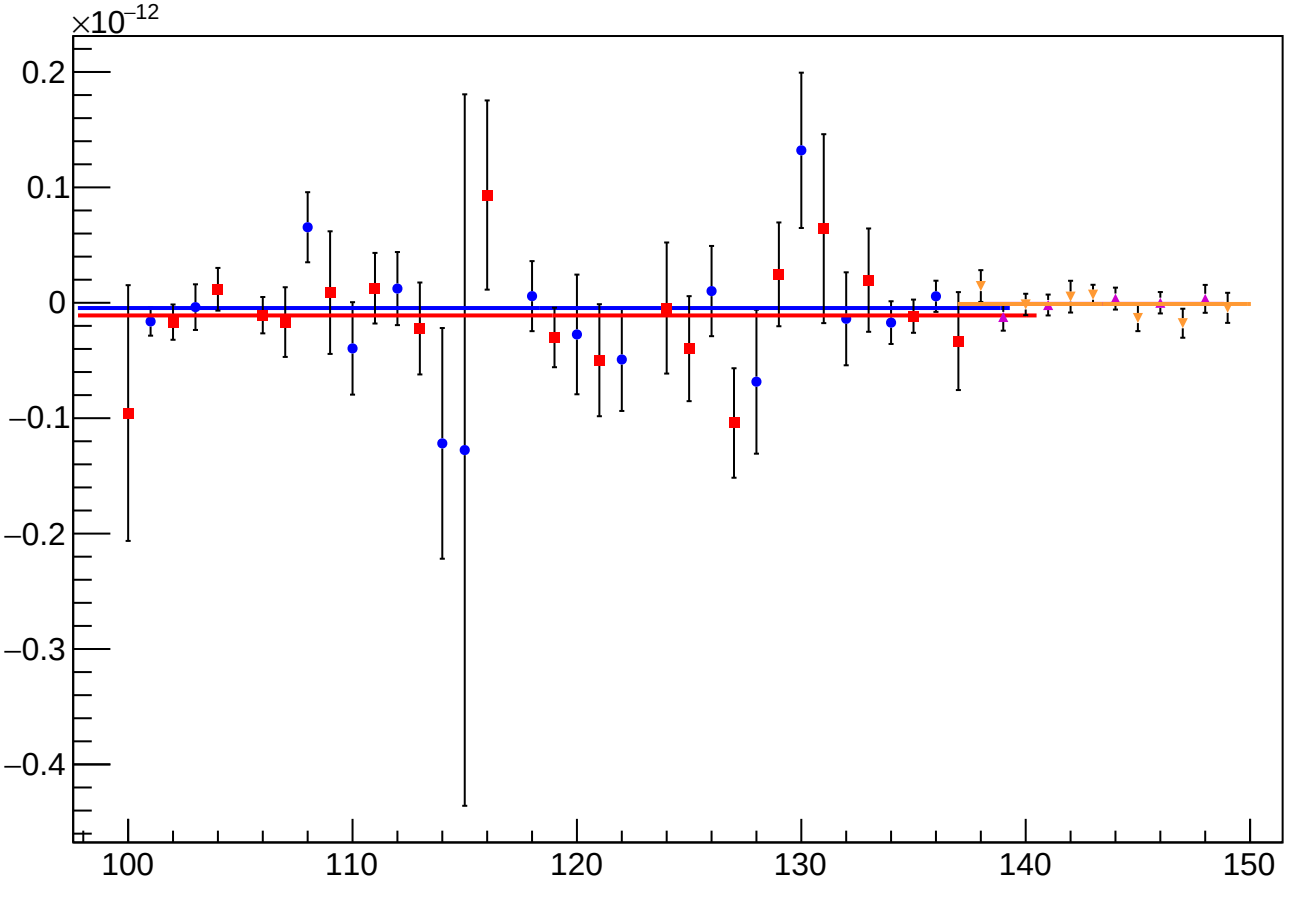
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 341.301+/-0.117 χ^2/NDF:61021.5/4

+ sign 332.055+/-0.069 χ^2/NDF: 1816695.0/22

All: 331.204+/-0.049 χ^2/NDF: 3557486.6/46

- 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:5.3/6

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

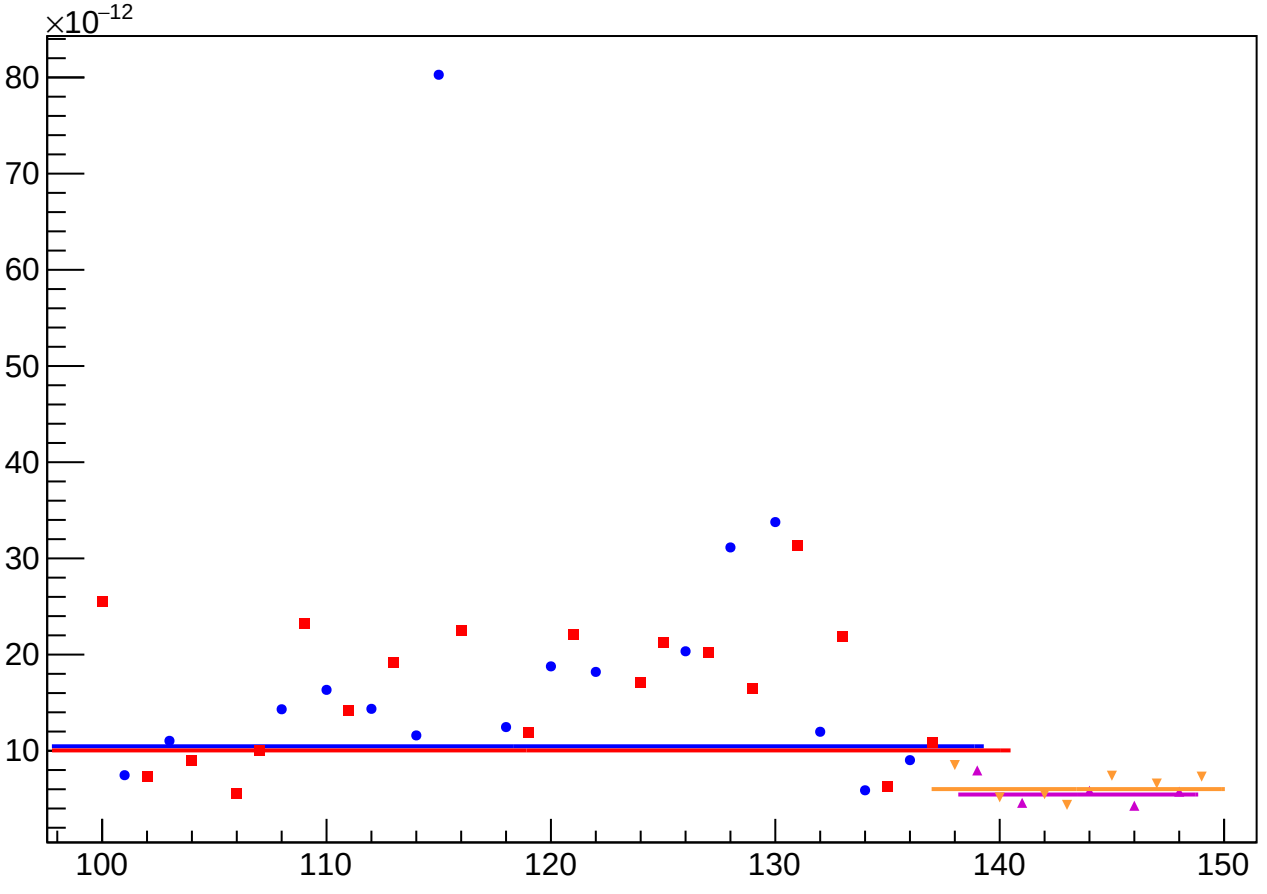
Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 22.0/22

All: -0.000+/-0.000 χ^2/NDF: 37.5/46

- 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:212979.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

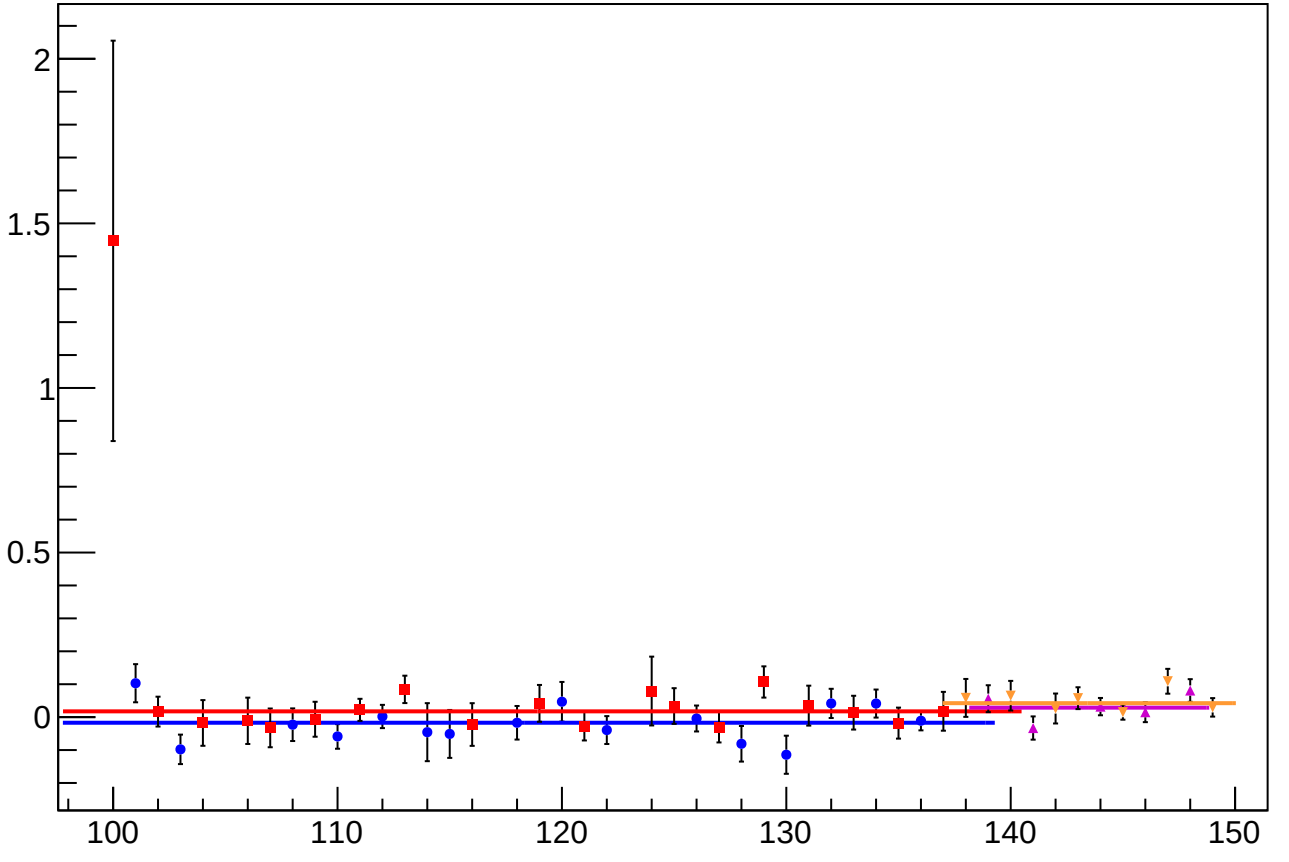
Left In: 0.000+/-0.000 χ^2/NDF:143236.0/4

+ sign 0.000+/-0.000 χ^2/NDF: 2062341.9/22

All: 0.000+/-0.000 χ^2/NDF: 4314941.1/46

- 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: 0.042+/-0.013 χ^2/NDF:5.4/6

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

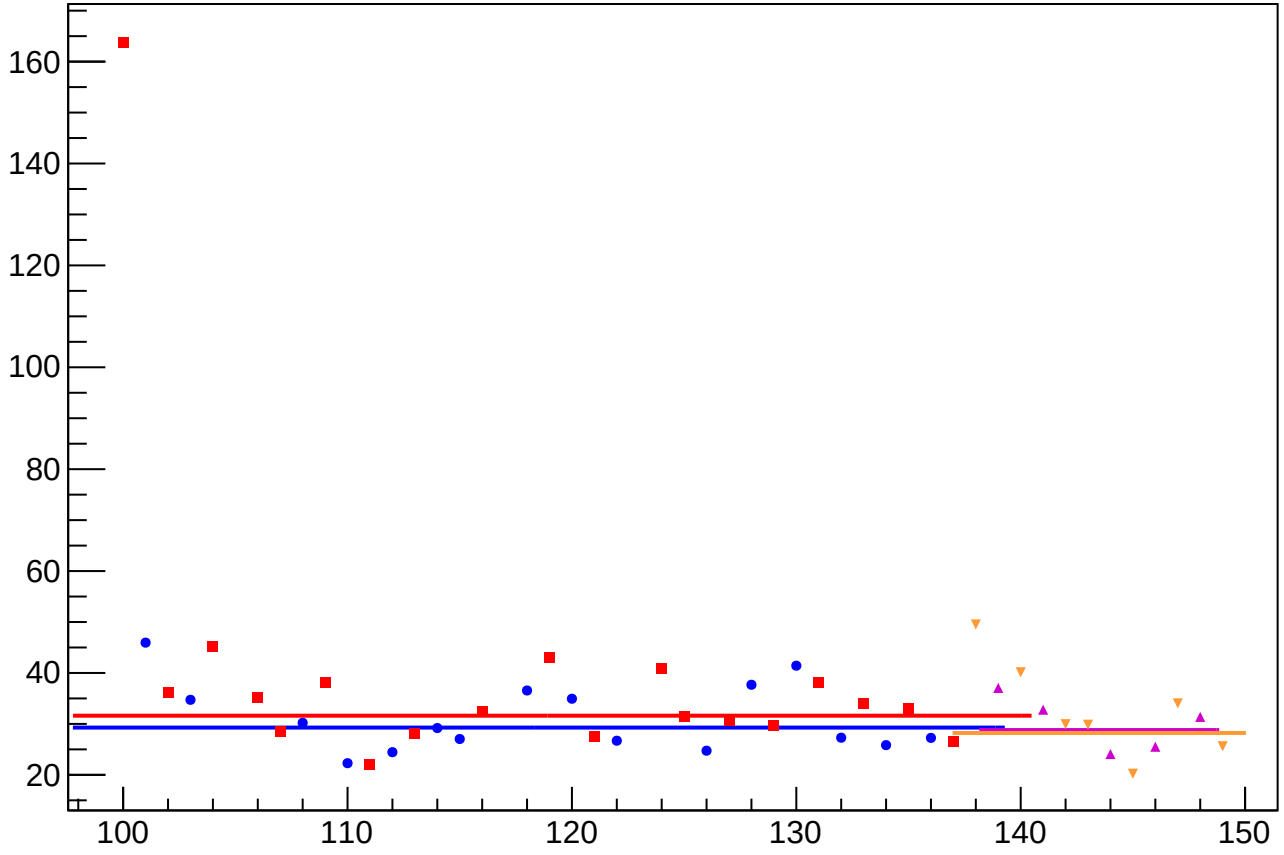
Left In: 0.029+/-0.014 χ^2/NDF:6.0/4

+ sign 0.009+/-0.008 χ^2/NDF: 36.3/22

All: 0.015+/-0.006 χ^2/NDF: 60.6/46

- 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: 28.224+/-0.009 χ^2/NDF:731557.5/6

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

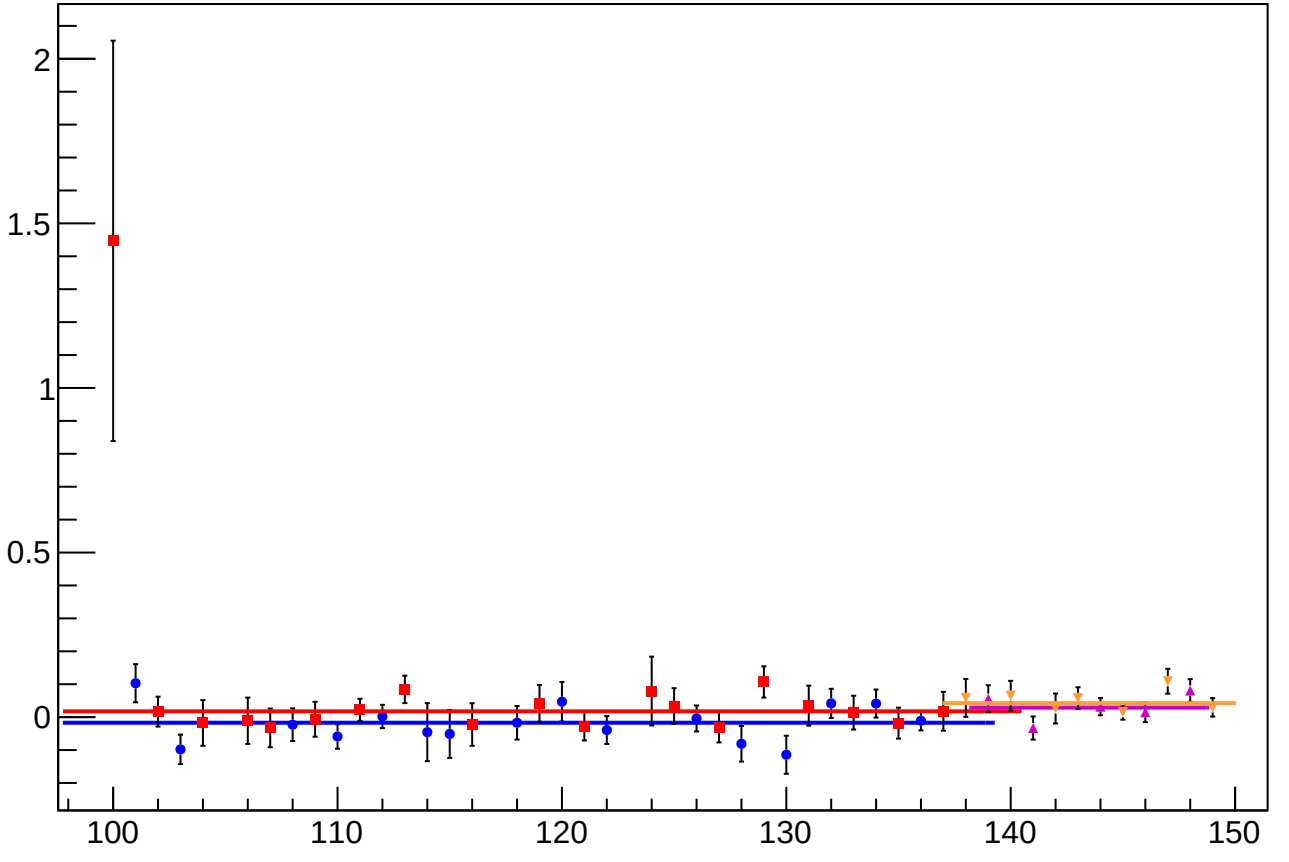
Left In: 28.791+/-0.010 χ^2/NDF:206209.0/4

+ sign 28.815+/-0.006 χ^2/NDF: 1299798.6/22

All: 29.561+/-0.004 χ^2/NDF: 2156804.2/46

- sign 30.451+/-0.007 χ^2/NDF: 823206.9/23

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.042+/-0.013 χ^2/NDF:5.4/6

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

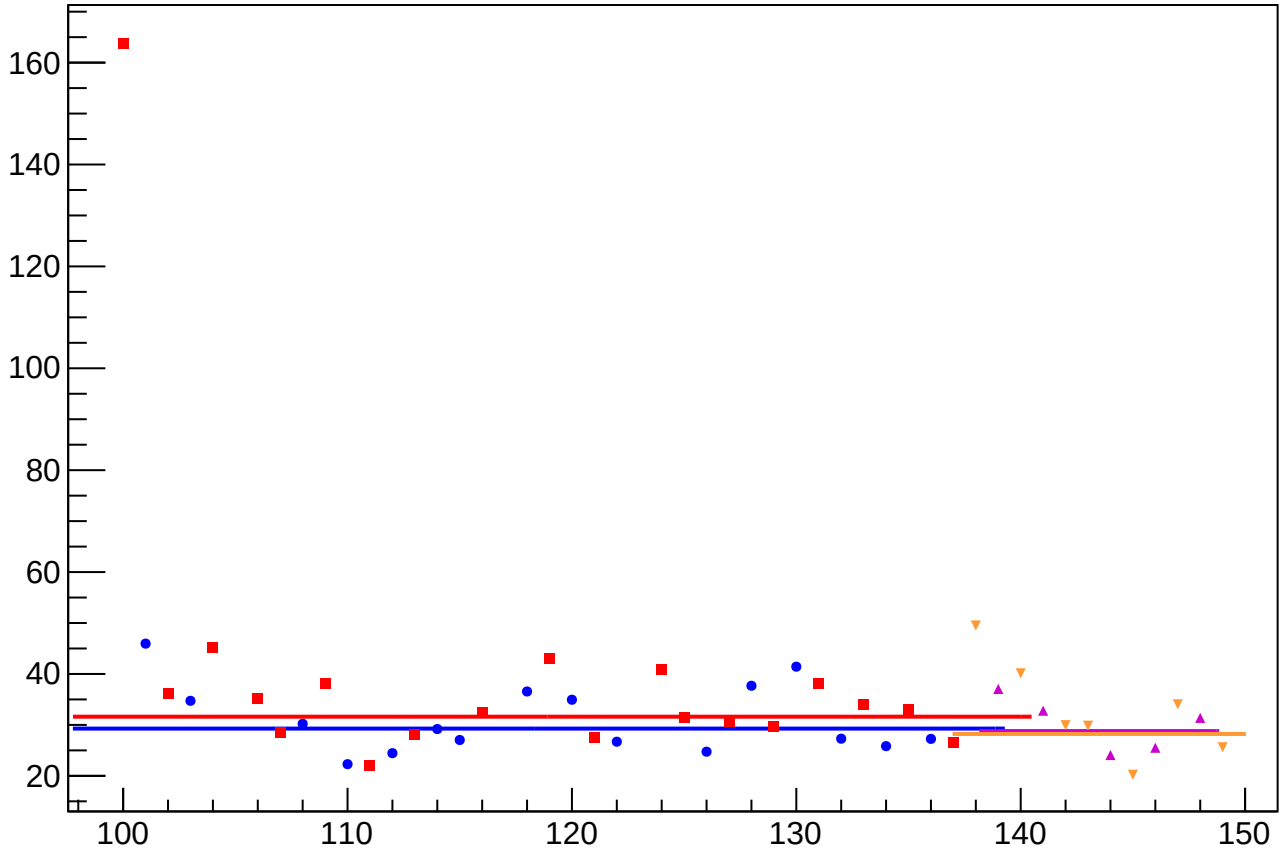
Left In: 0.029+/-0.014 χ^2/NDF:6.0/4

+ sign 0.009+/-0.008 χ^2/NDF: 36.3/22

All: 0.015+/-0.006 χ^2/NDF: 60.6/46

- sign 0.022+/-0.009 χ^2/NDF: 23.2/23

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.224+/-0.009 χ^2/NDF:731557.5/6

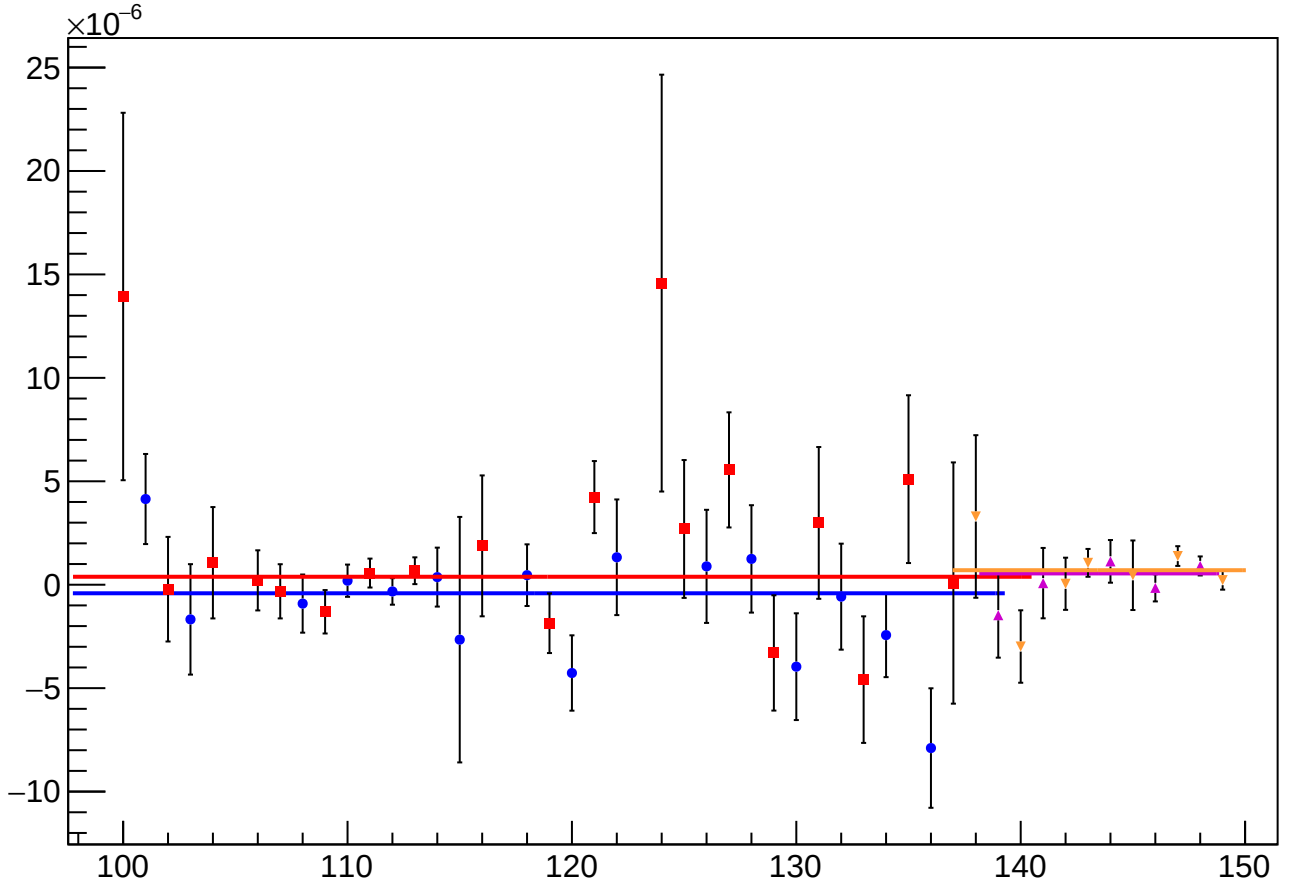
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.791+/-0.010 χ^2/NDF:206209.0/4

+ sign 28.815+/-0.006 χ^2/NDF: 1299798.6/22

All: 29.561+/-0.004 χ^2/NDF: 2156804.2/46

- sign 30.451+/-0.007 χ^2/NDF: 823206.9/23


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
25
20
15
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5
0
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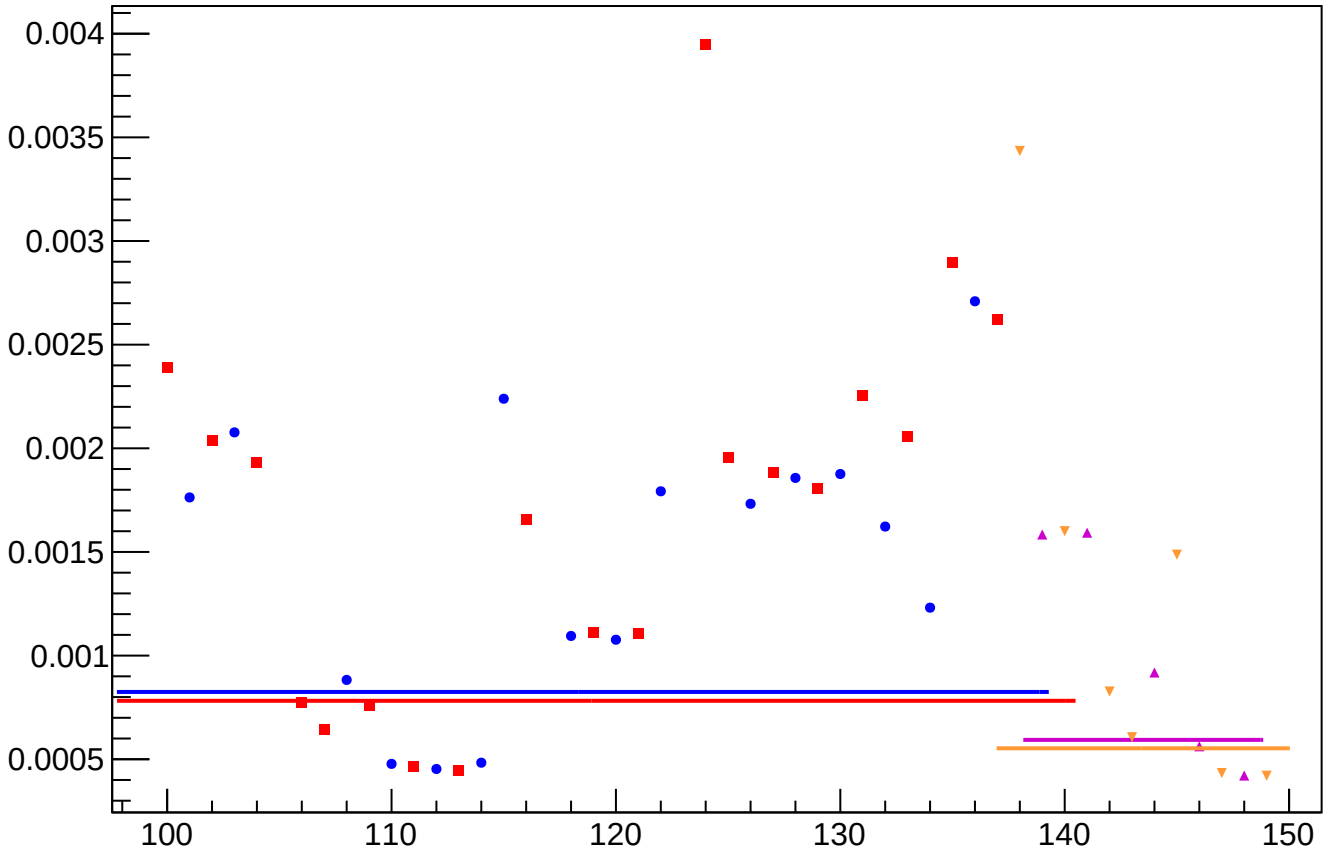
−10
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 21.2/15
Left Out: 0.000+/-0.000 χ²/NDF:8.6/6
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/18
Left In: 0.000+/-0.000 χ²/NDF:3.1/4
+ sign 0.000+/-0.000 χ²/NDF: 35.6/22
All: 0.000+/-0.000 χ²/NDF: 64.4/46
- sign 0.000+/-0.000 χ²/NDF: 28.5/23



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2806234.1/6

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

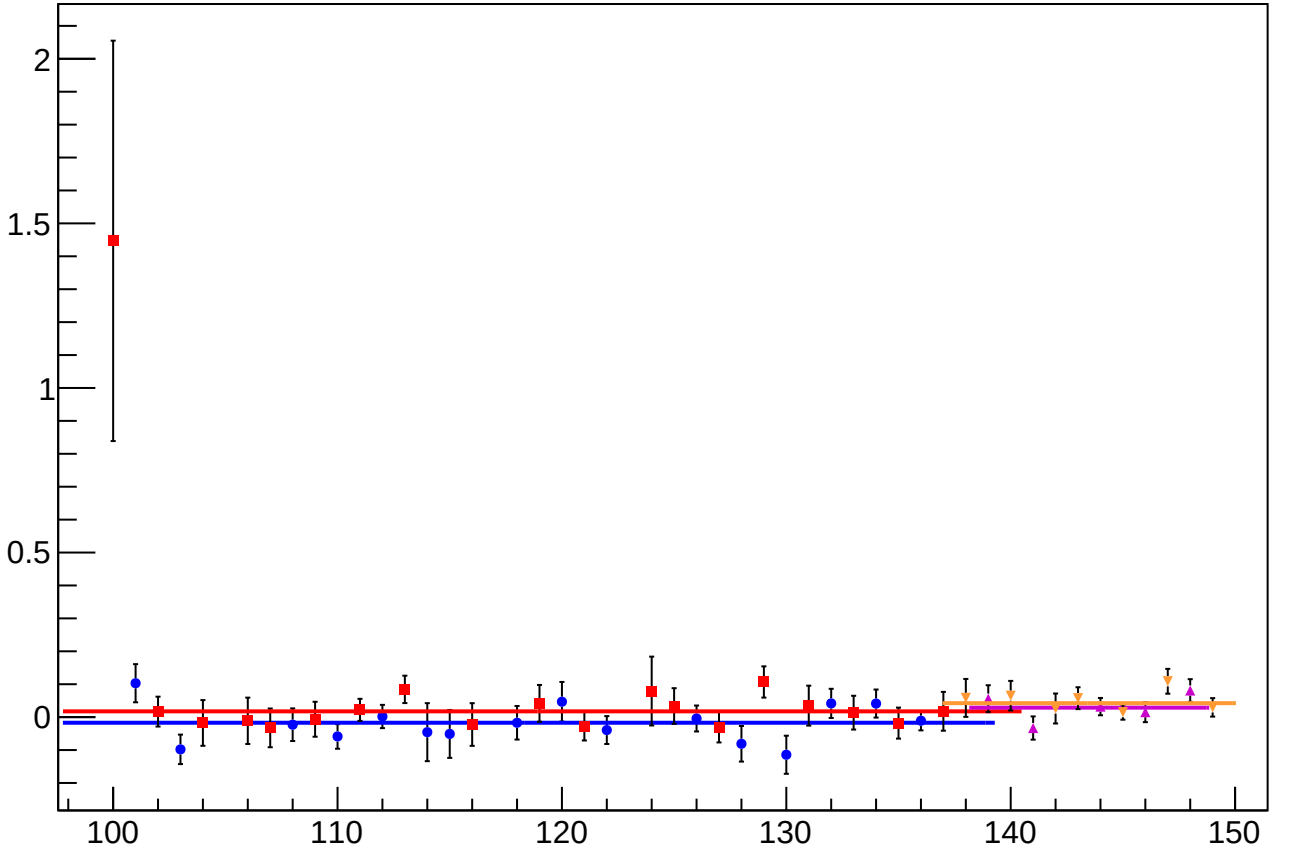
Left In: 0.001+/-0.000 χ^2/NDF:1639563.2/4

+ sign 0.001+/-0.000 χ^2/NDF: 7939568.0/22

All: 0.001+/-0.000 χ^2/NDF: 14536990.2/46

- sign 0.001+/-0.000 χ^2/NDF: 6576443.4/23

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.042+/-0.013 χ^2/NDF:5.4/6

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

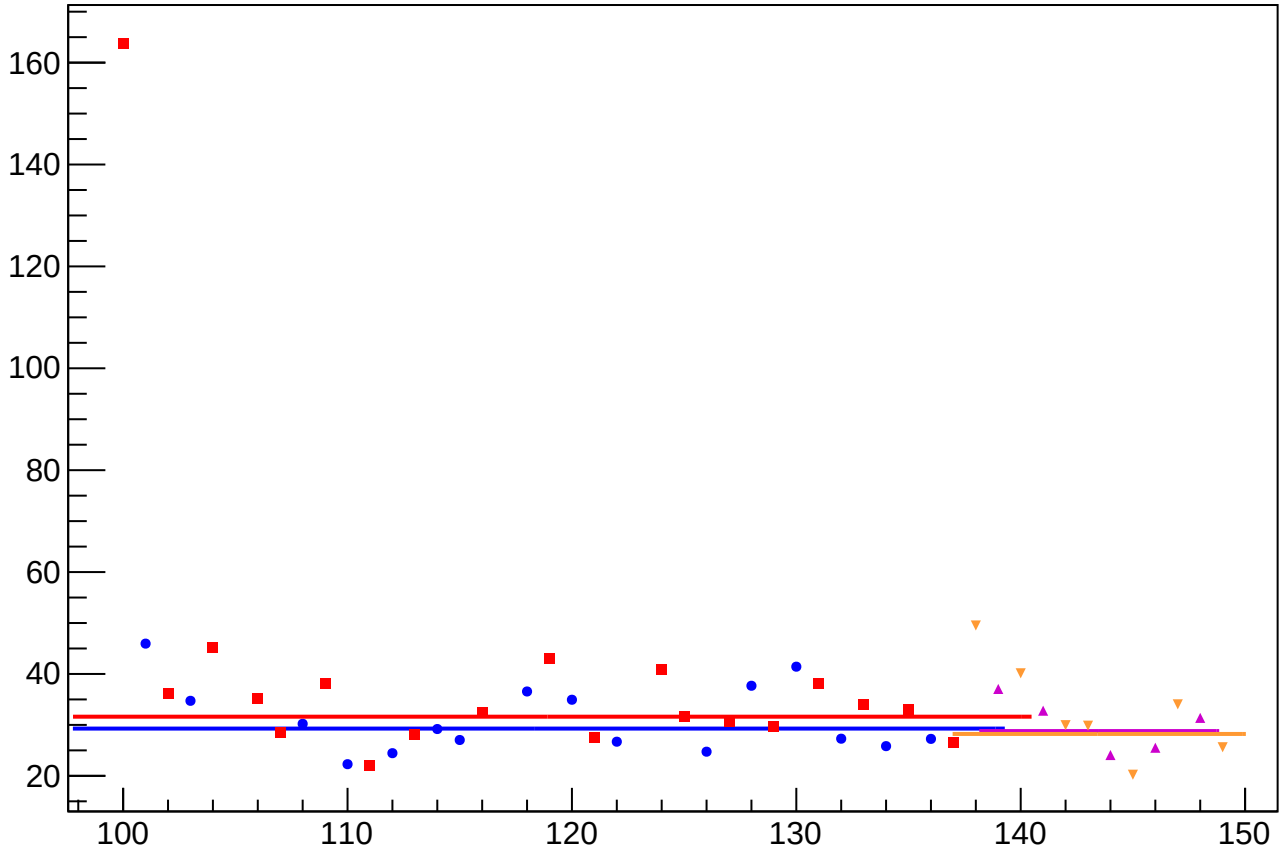
Left In: 0.029+/-0.014 χ^2/NDF:6.0/4

+ sign 0.009+/-0.008 χ^2/NDF: 36.3/22

All: 0.015+/-0.006 χ^2/NDF: 60.6/46

- 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: 28.223+/-0.009 χ^2/NDF:731603.9/6

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

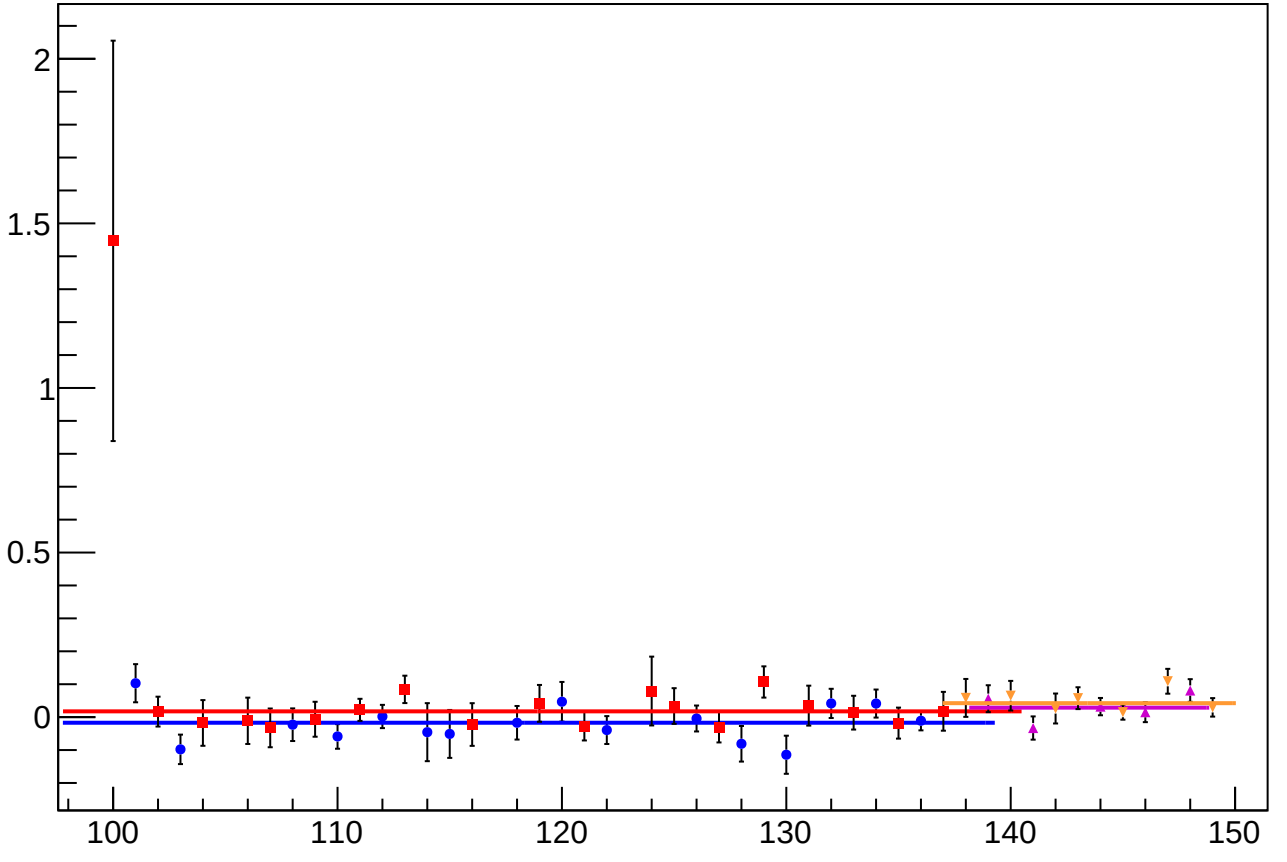
Left In: 28.791+/-0.010 χ^2/NDF:206190.5/4

+ sign 28.815+/-0.006 χ^2/NDF: 1299851.4/22

All: 29.561+/-0.004 χ^2/NDF: 2156853.8/46

- 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: 0.042+/-0.013 χ^2/NDF:5.4/6

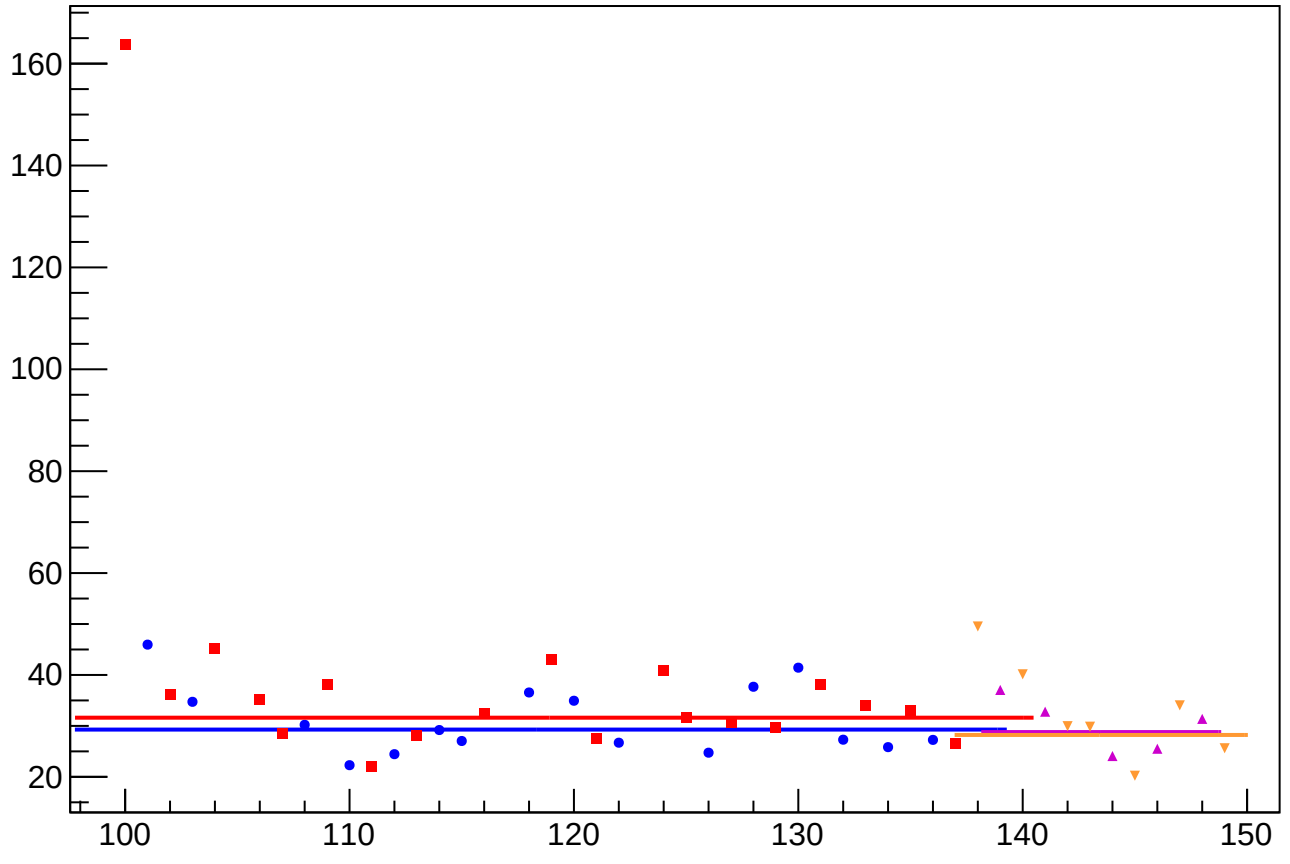
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.029+/-0.014 χ^2/NDF:6.0/4

+ sign 0.009+/-0.008 χ^2/NDF: 36.3/22

All: 0.015+/-0.006 χ^2/NDF: 60.6/46

- 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: 28.223+/-0.009 χ^2/NDF:731603.9/6

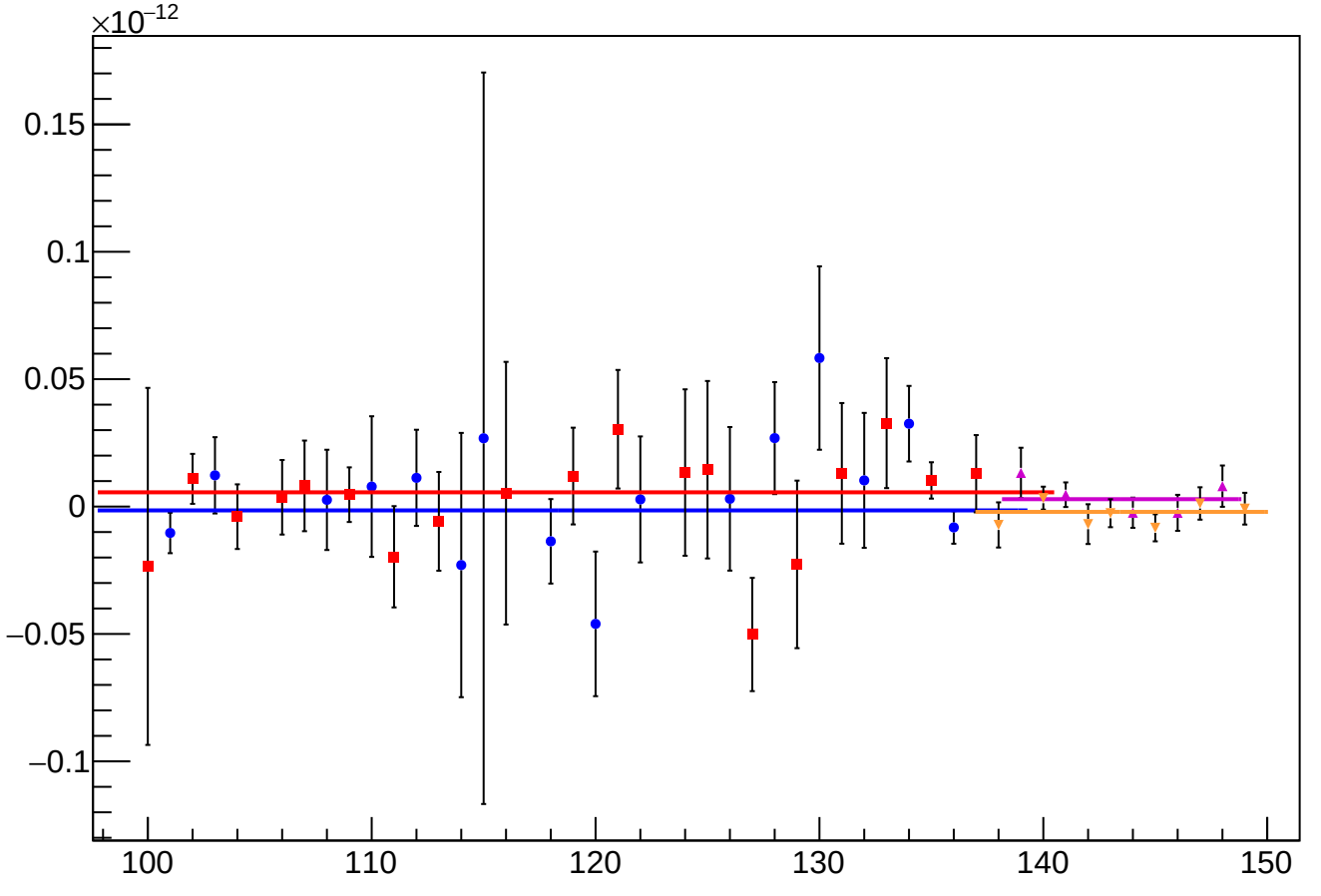
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.791+/-0.010 χ^2/NDF:206190.5/4

+ sign 28.815+/-0.006 χ^2/NDF: 1299851.4/22

All: 29.561+/-0.004 χ^2/NDF: 2156853.8/46

- 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:3.9/6

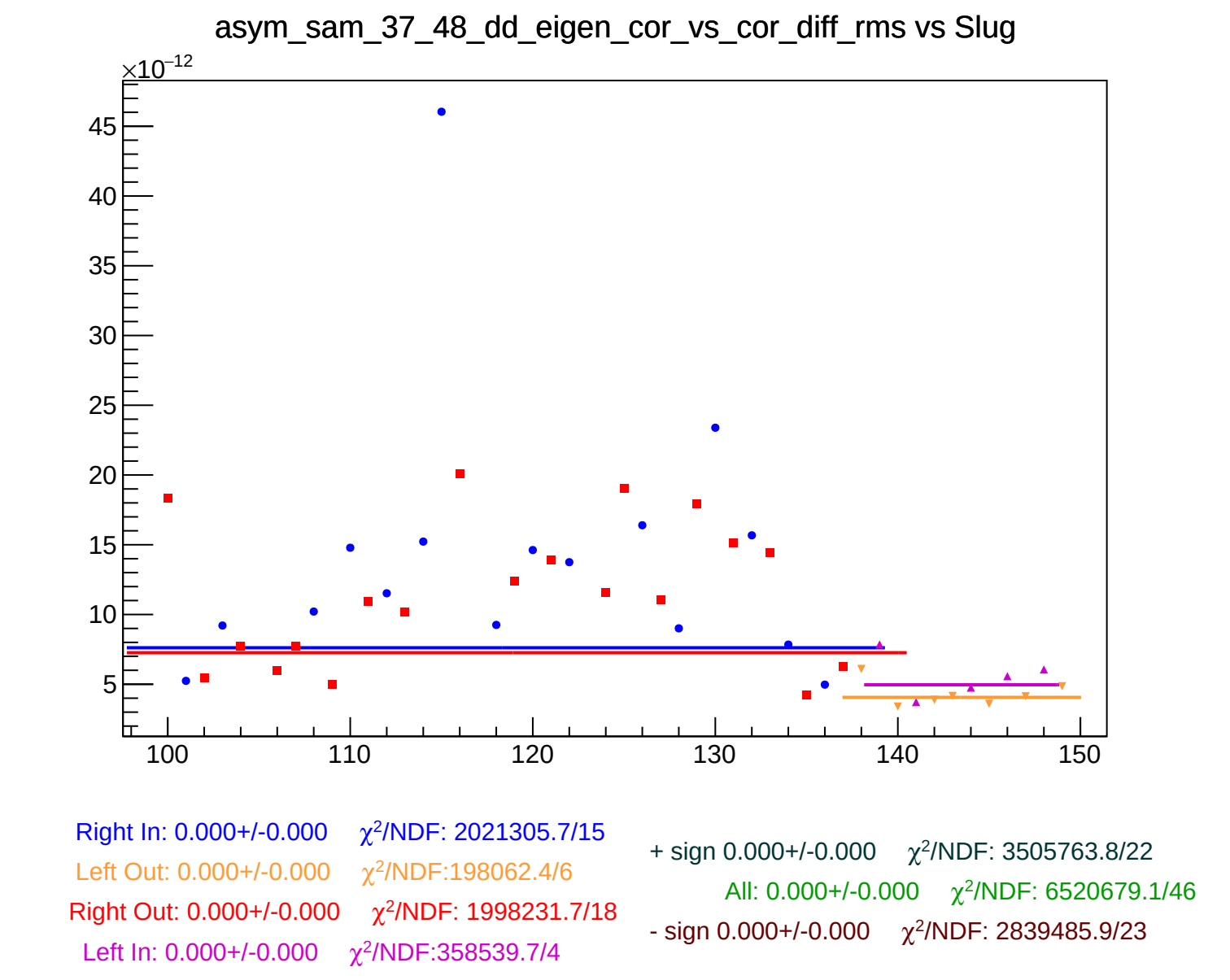
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 20.8/22

All: 0.000+/-0.000 χ^2/NDF: 41.4/46

- 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
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110
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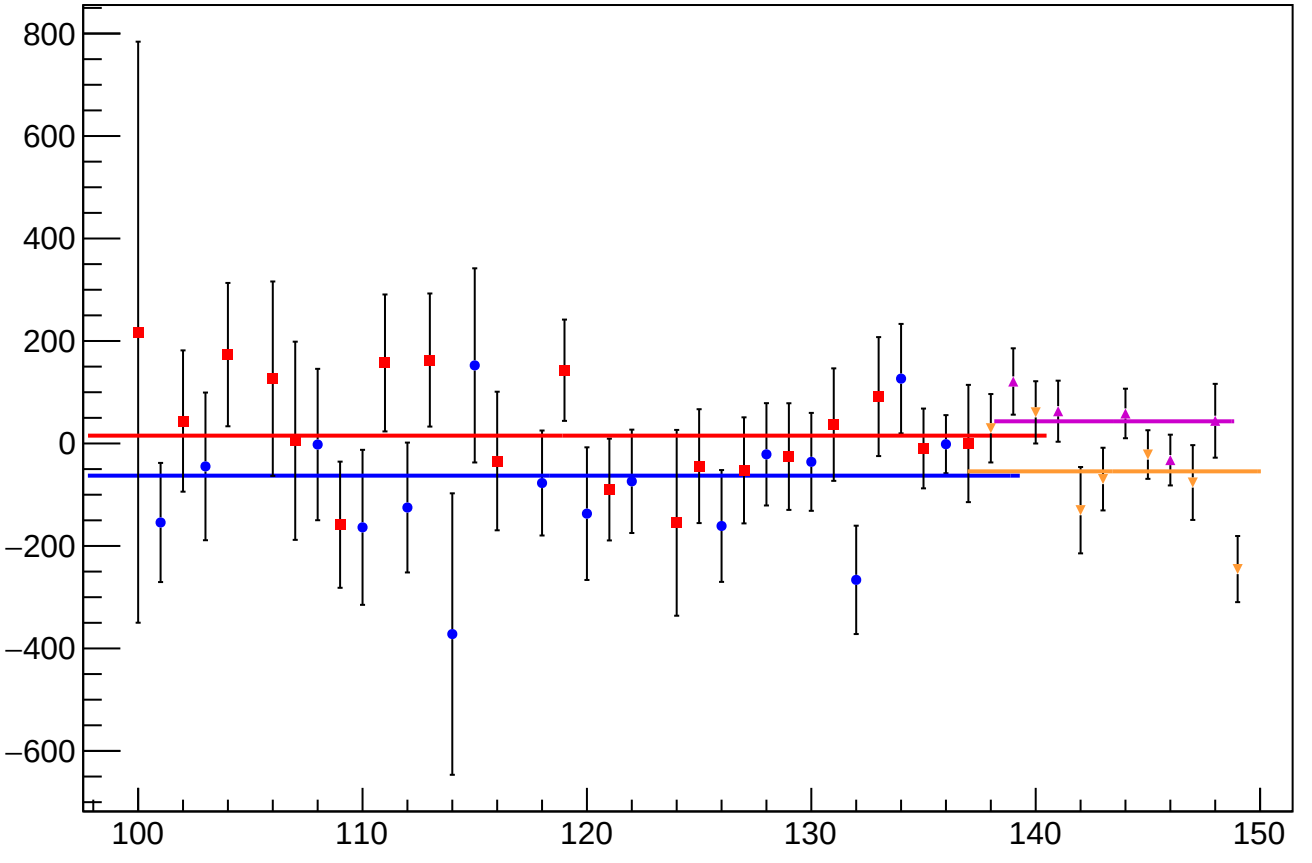
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:198062.4/6
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:358539.7/4
+ sign 0.000+/-0.000 χ²/NDF: 3505763.8/22
All: 0.000+/-0.000 χ²/NDF: 6520679.1/46
- sign 0.000+/-0.000 χ²/NDF: 2839485.9/23

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -54.406+/-23.731 χ^2/NDF:15.4/6

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

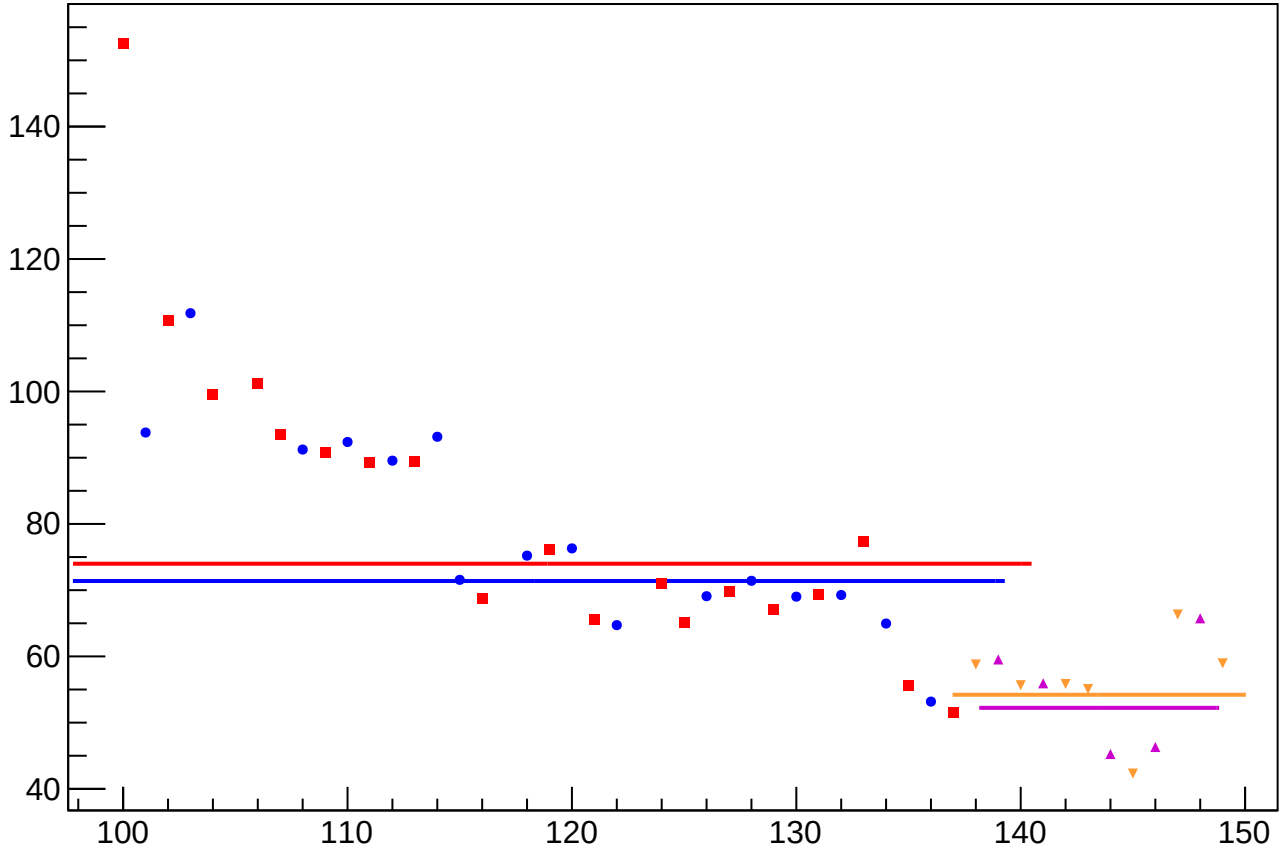
Left In: 43.252+/-25.414 χ^2/NDF:4.0/4

+ sign -58.031+/-17.886 χ^2/NDF: 28.9/22

All: -15.846+/-12.941 χ^2/NDF: 56.6/46

- 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: 54.209+/-0.017 χ^2/NDF:203387.2/6

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

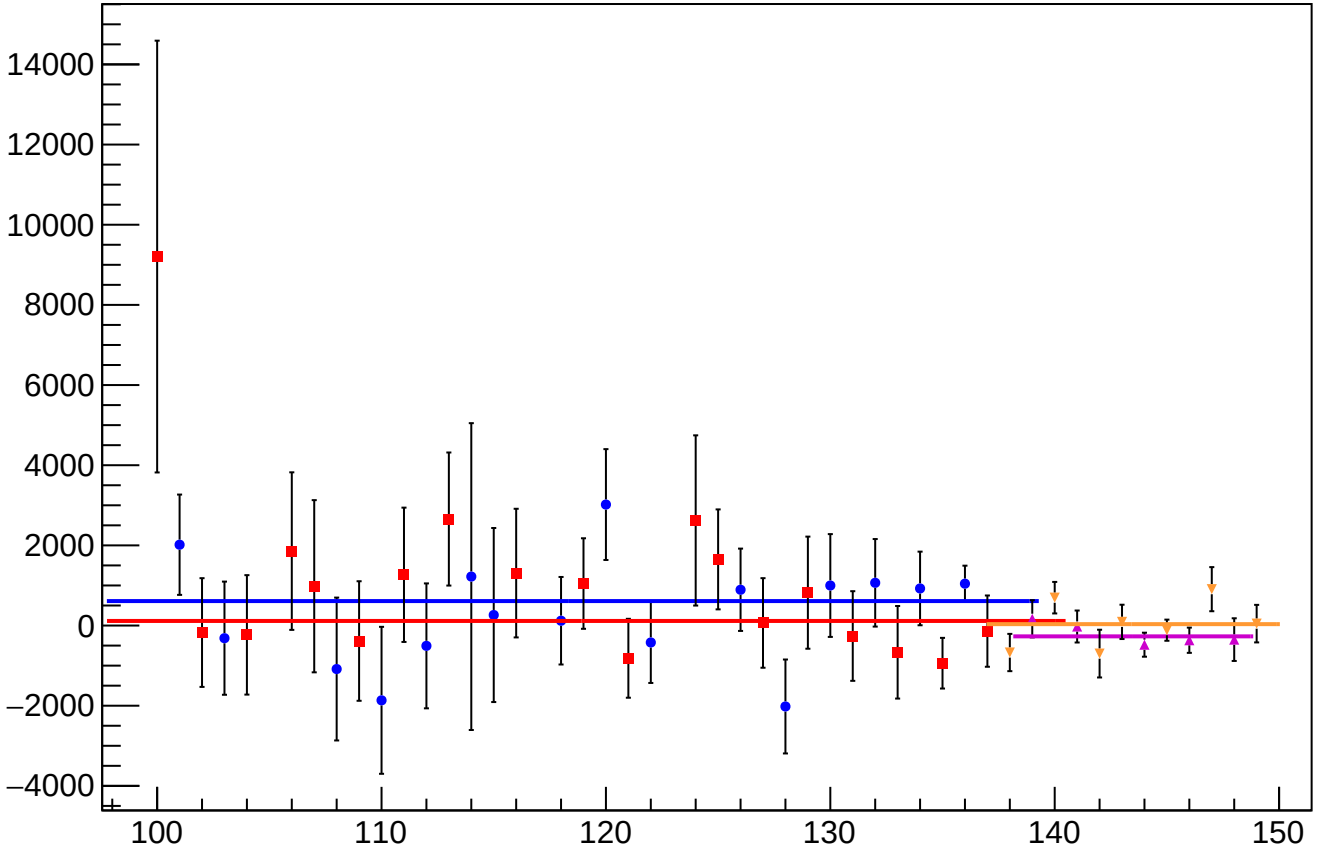
Left In: 52.234+/-0.018 χ^2/NDF:173679.3/4

+ sign 61.628+/-0.013 χ^2/NDF: 1246771.9/22

All: 61.877+/-0.009 χ^2/NDF: 2727999.1/46

- 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: 35.049+/-155.003 χ^2/NDF:9.5/6

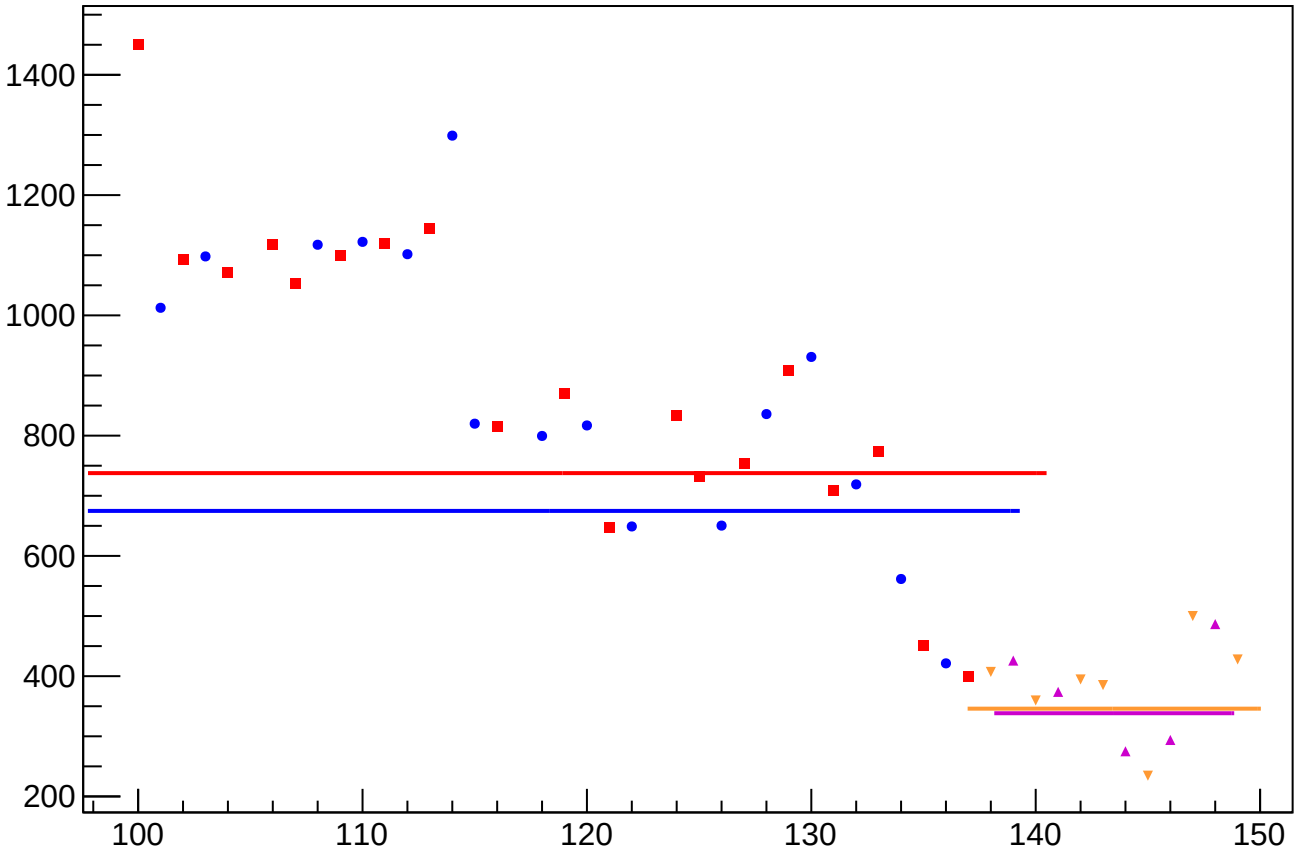
Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -269.843+/-167.395 χ^2/NDF:1.9/4

+ sign 180.279+/-134.026 χ^2/NDF: 28.7/22

All: 17.587+/-98.186 χ^2/NDF: 50.7/46

- sign -170.872+/-144.250 χ^2/NDF: 18.8/23



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 345.979+/-0.110 χ^2/NDF:642216.8/6

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

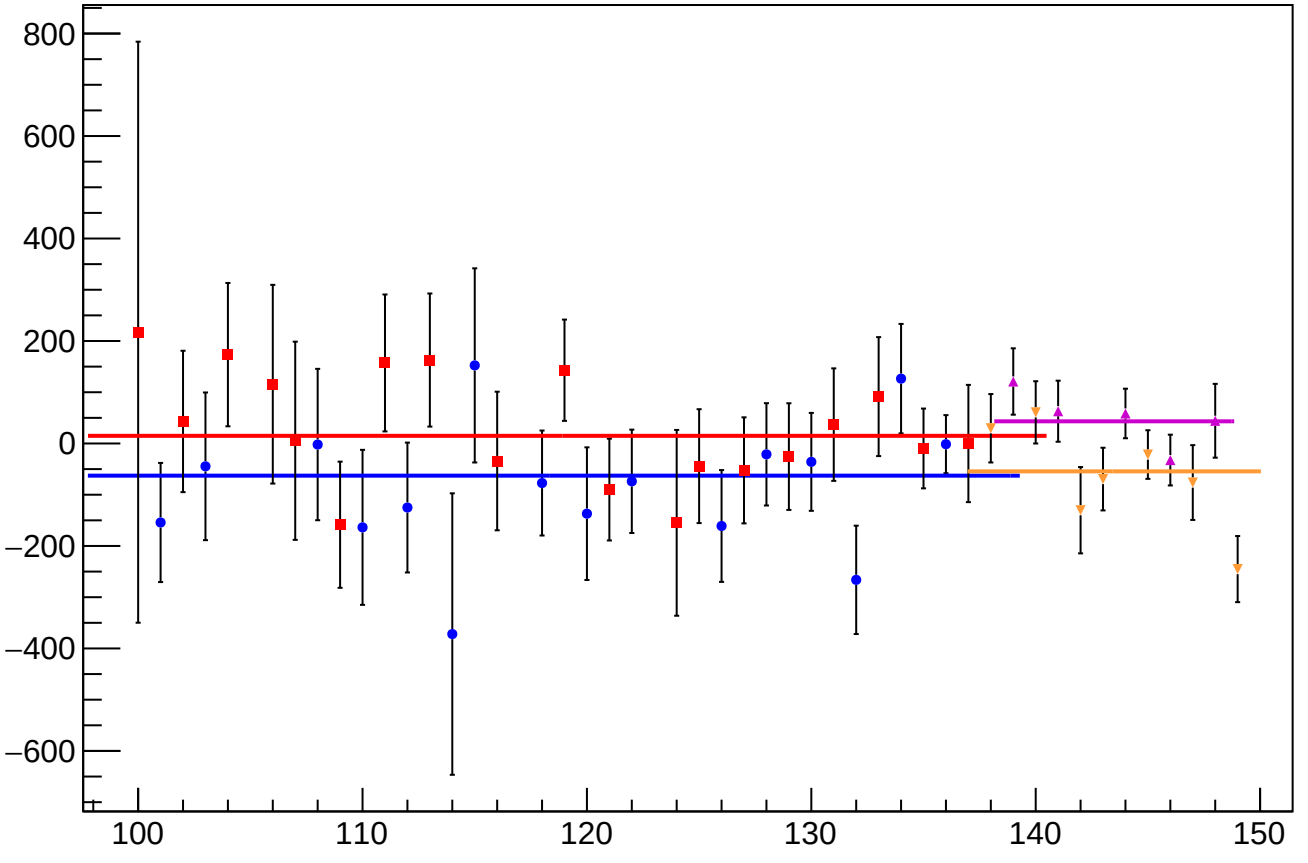
Left In: 338.375+/-0.118 χ^2/NDF:371244.9/4

+ sign 428.964+/-0.095 χ^2/NDF: 4531508.9/22

All: 434.616+/-0.069 χ^2/NDF: 9356591.3/46

- 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: -54.407+/-23.731 χ^2/NDF:15.4/6

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

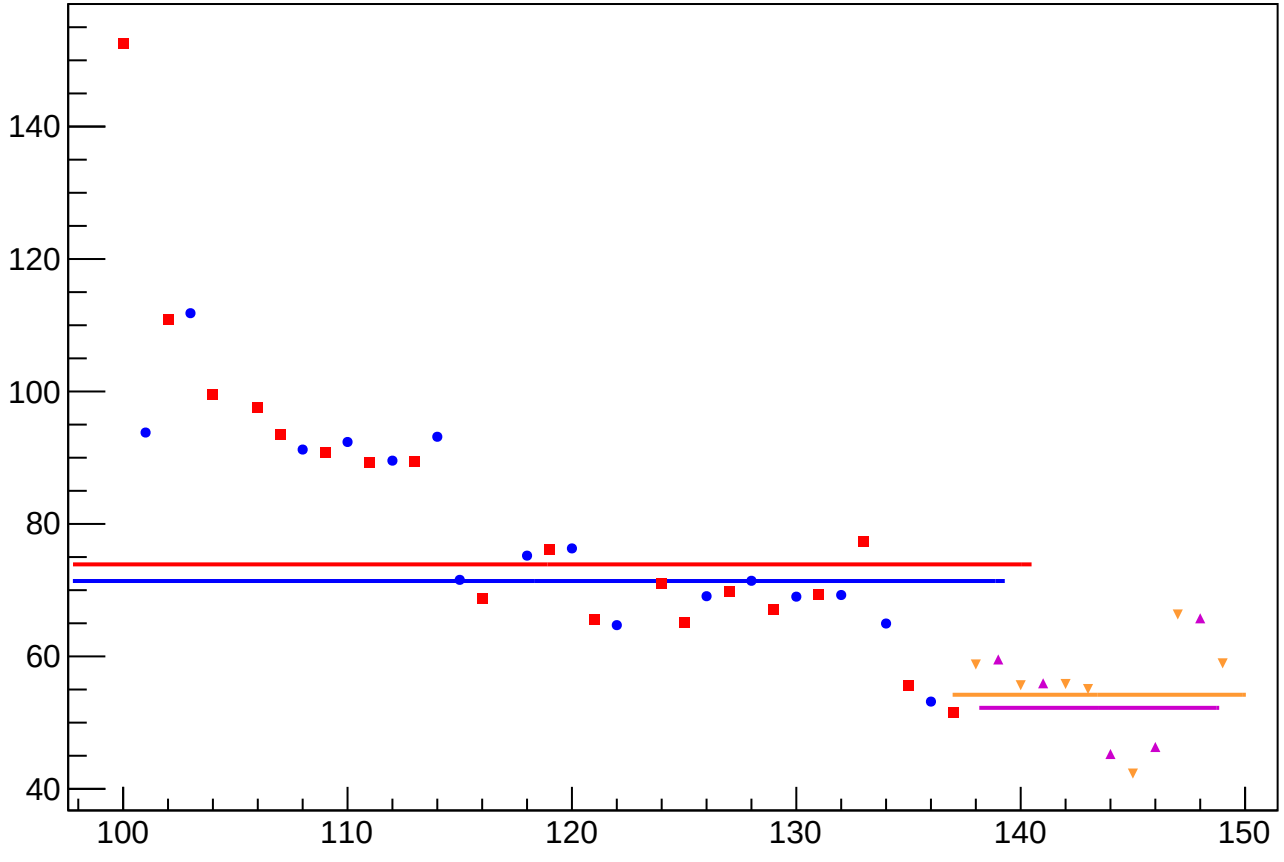
Left In: 43.252+/-25.414 χ^2/NDF:4.0/4

+ sign -58.028+/-17.886 χ^2/NDF: 28.9/22

All: -15.928+/-12.943 χ^2/NDF: 56.5/46

- 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: 54.209+/-0.017 χ^2/NDF:203387.2/6

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

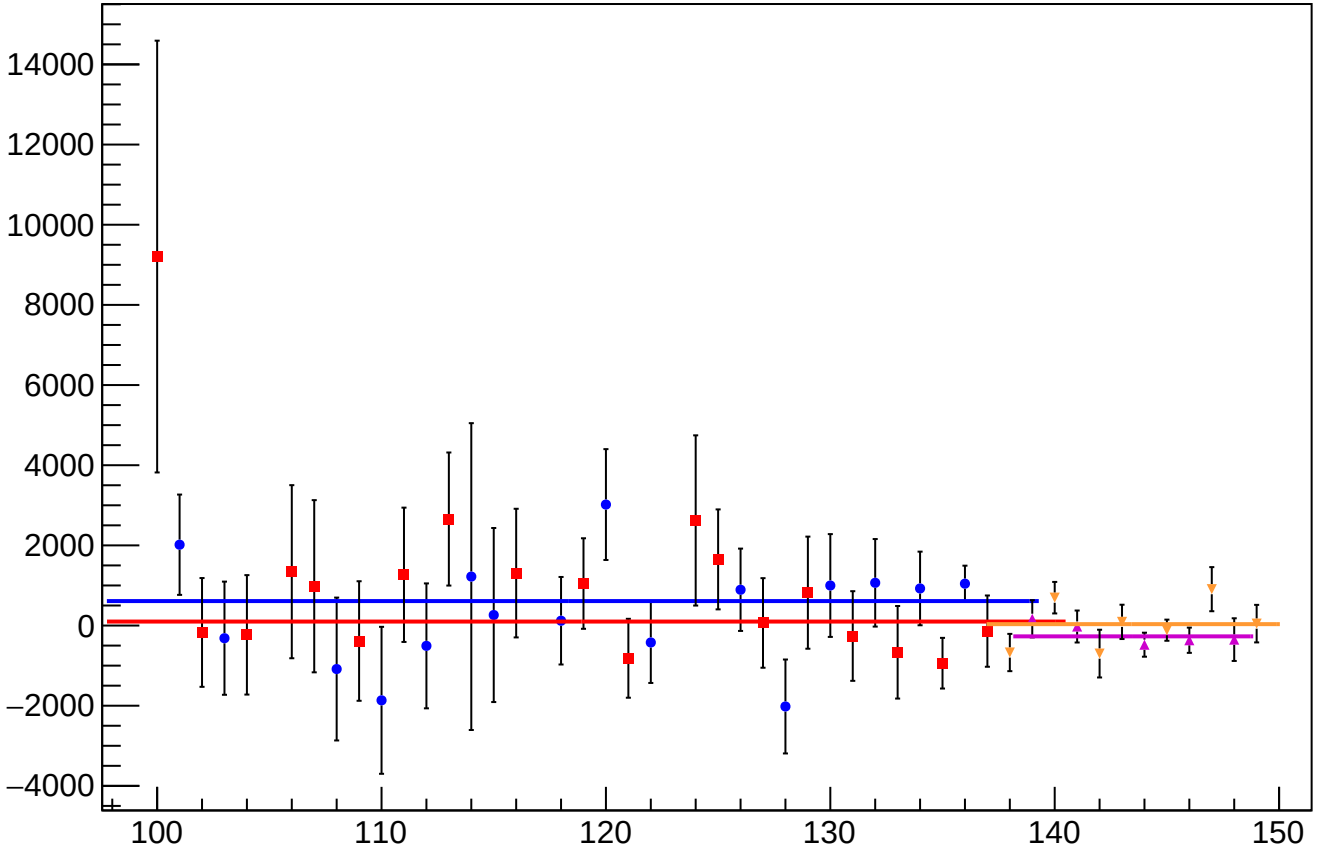
Left In: 52.234+/-0.018 χ^2/NDF:173679.4/4

+ sign 61.628+/-0.013 χ^2/NDF: 1246774.5/22

All: 61.853+/-0.009 χ^2/NDF: 2709963.7/46

- 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: 35.047+/-155.003 χ^2/NDF:9.5/6

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

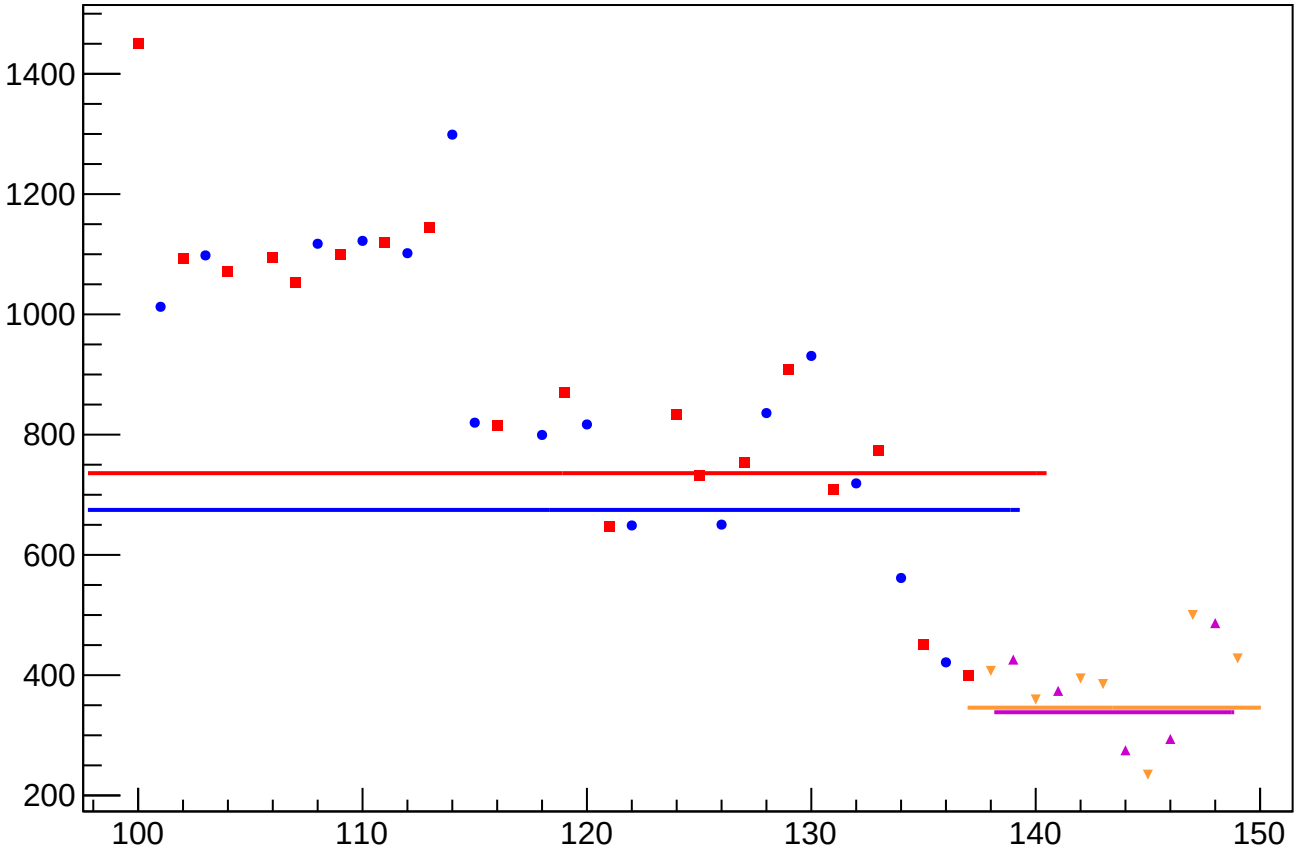
Left In: -269.839+/-167.395 χ^2/NDF:1.9/4

+ sign 180.274+/-134.026 χ^2/NDF: 28.7/22

All: 15.751+/-98.208 χ^2/NDF: 50.2/46

- sign -175.007+/-144.318 χ^2/NDF: 18.2/23

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 345.978+/-0.110 χ^2/NDF:642221.9/6

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

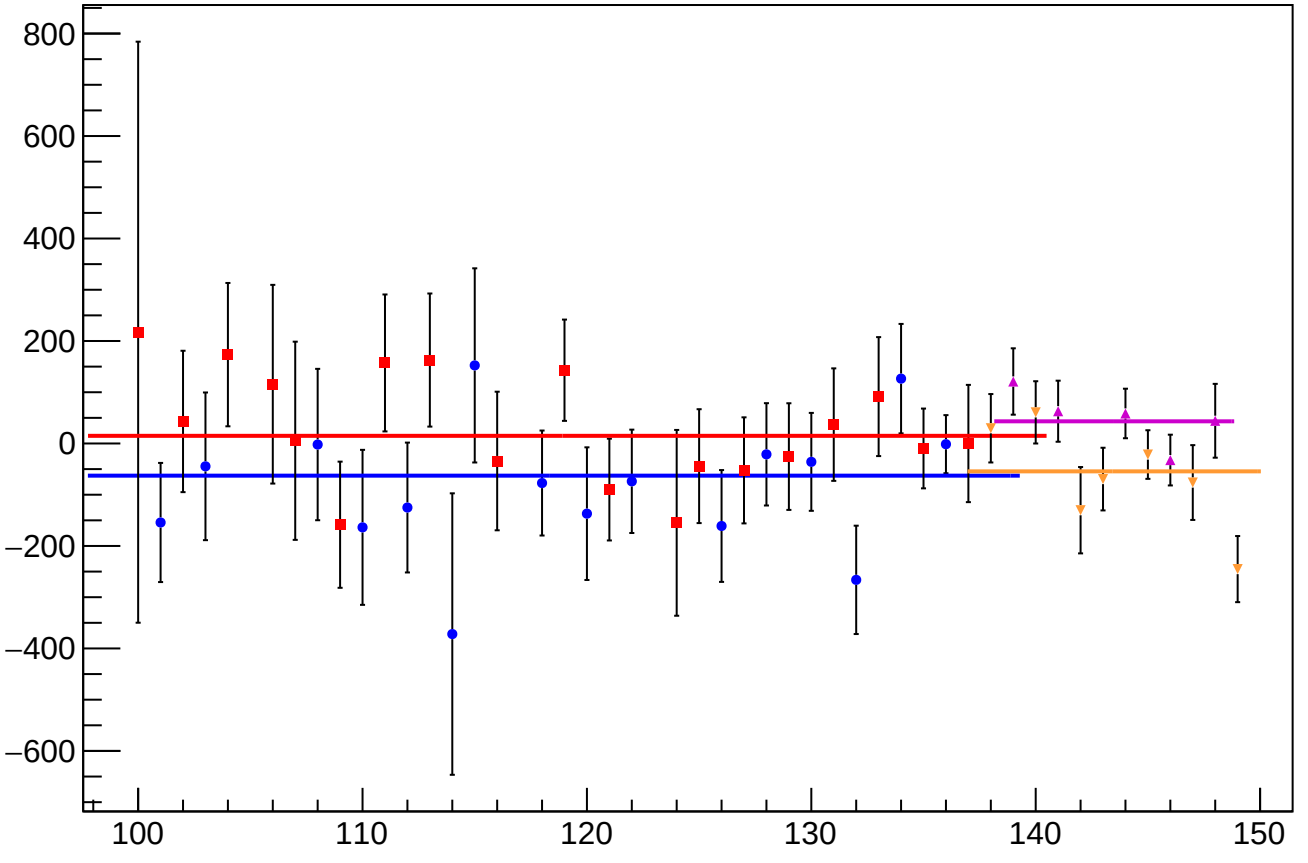
Left In: 338.375+/-0.118 χ^2/NDF:371245.2/4

+ sign 428.964+/-0.095 χ^2/NDF: 4531544.8/22

All: 434.275+/-0.069 χ^2/NDF: 9302411.4/46

- 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: -54.407+/-23.731 χ^2/NDF:15.4/6

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

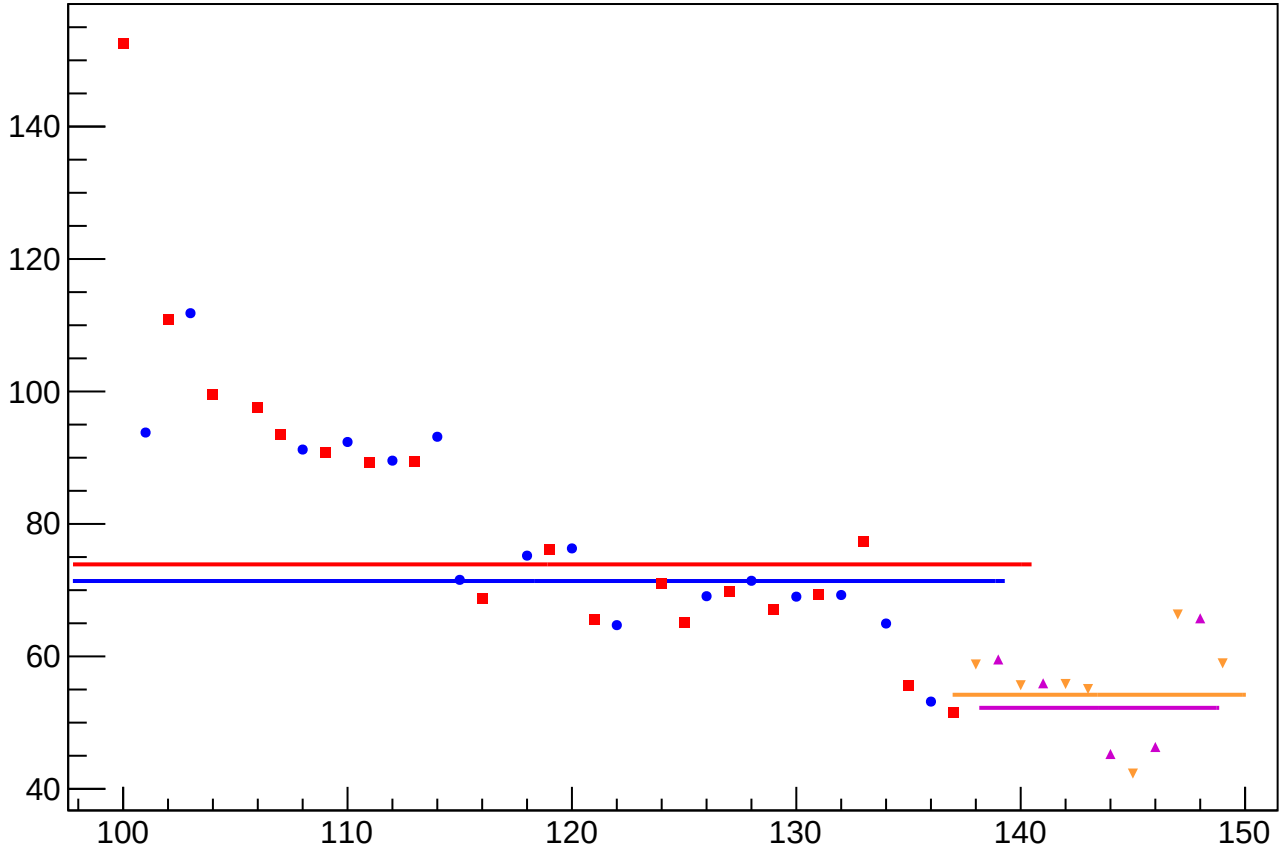
Left In: 43.252+/-25.414 χ^2/NDF:4.0/4

+ sign -58.028+/-17.886 χ^2/NDF: 28.9/22

All: -15.928+/-12.943 χ^2/NDF: 56.5/46

- 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: 54.209+/-0.017 χ^2/NDF:203387.2/6

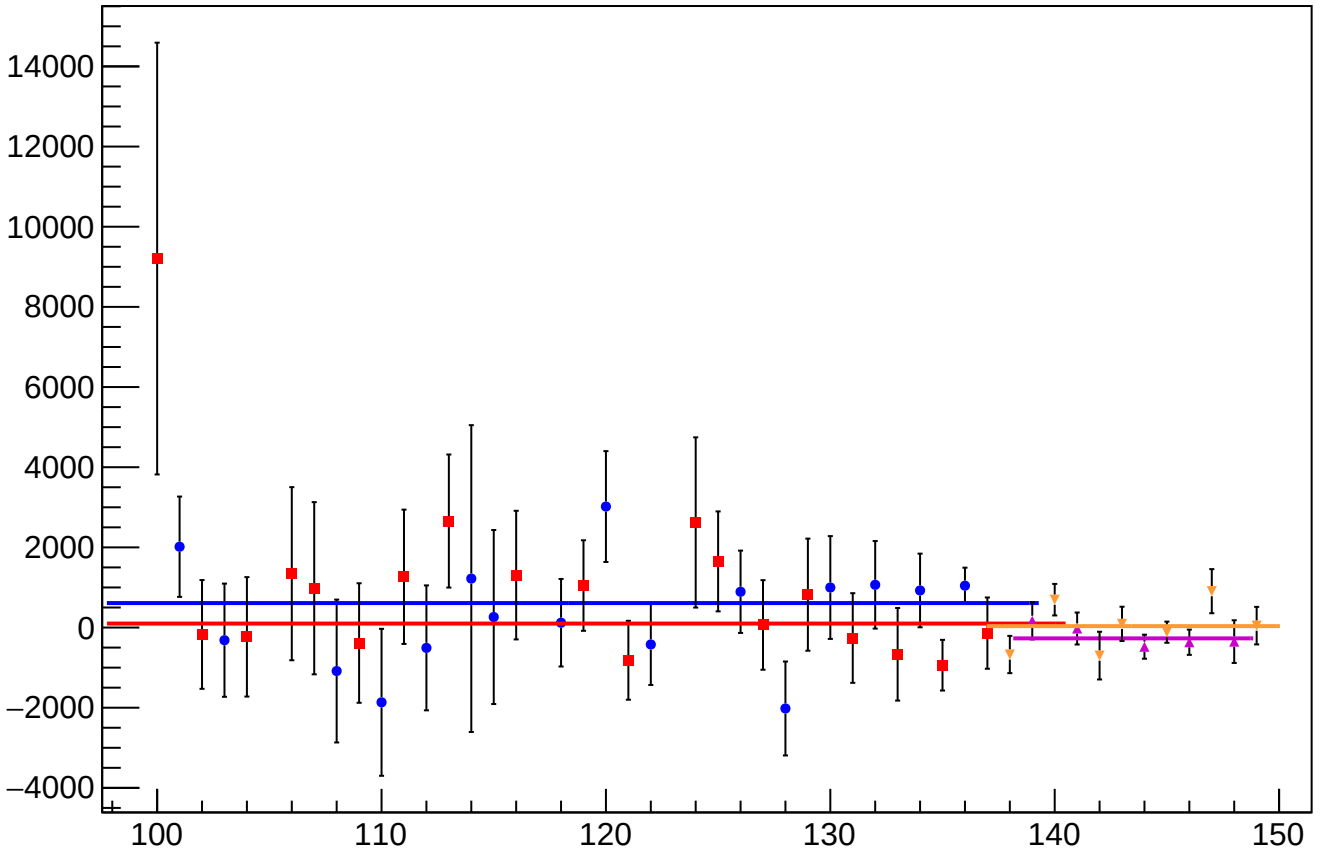
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 52.234+/-0.018 χ^2/NDF:173679.4/4

+ sign 61.628+/-0.013 χ^2/NDF: 1246774.5/22

All: 61.853+/-0.009 χ^2/NDF: 2709963.7/46

- 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: 35.047+/-155.003 χ^2/NDF:9.5/6

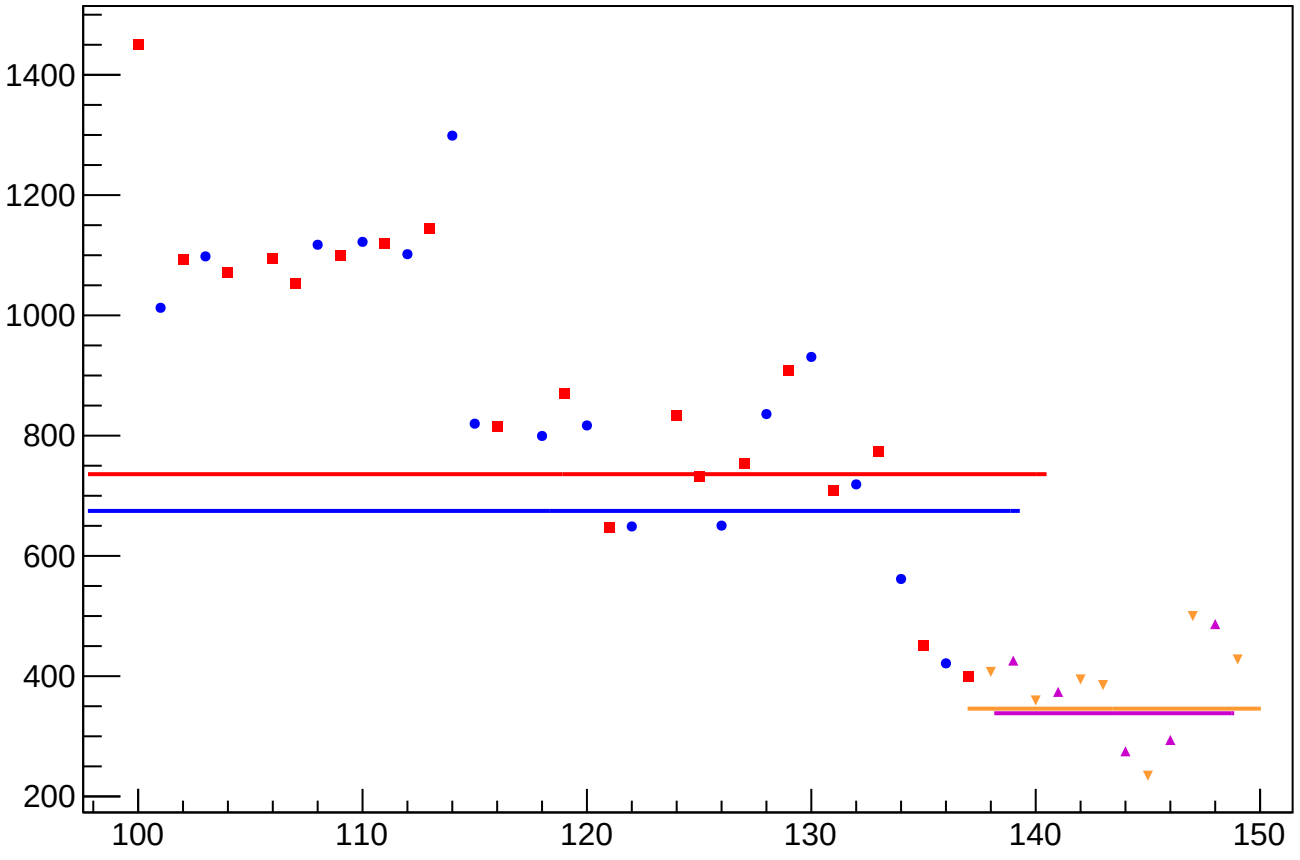
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -269.839+/-167.395 χ^2/NDF:1.9/4

+ sign 180.274+/-134.026 χ^2/NDF: 28.7/22

All: 15.751+/-98.208 χ^2/NDF: 50.2/46

- 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: 345.978+/-0.110 χ^2/NDF:642221.9/6

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

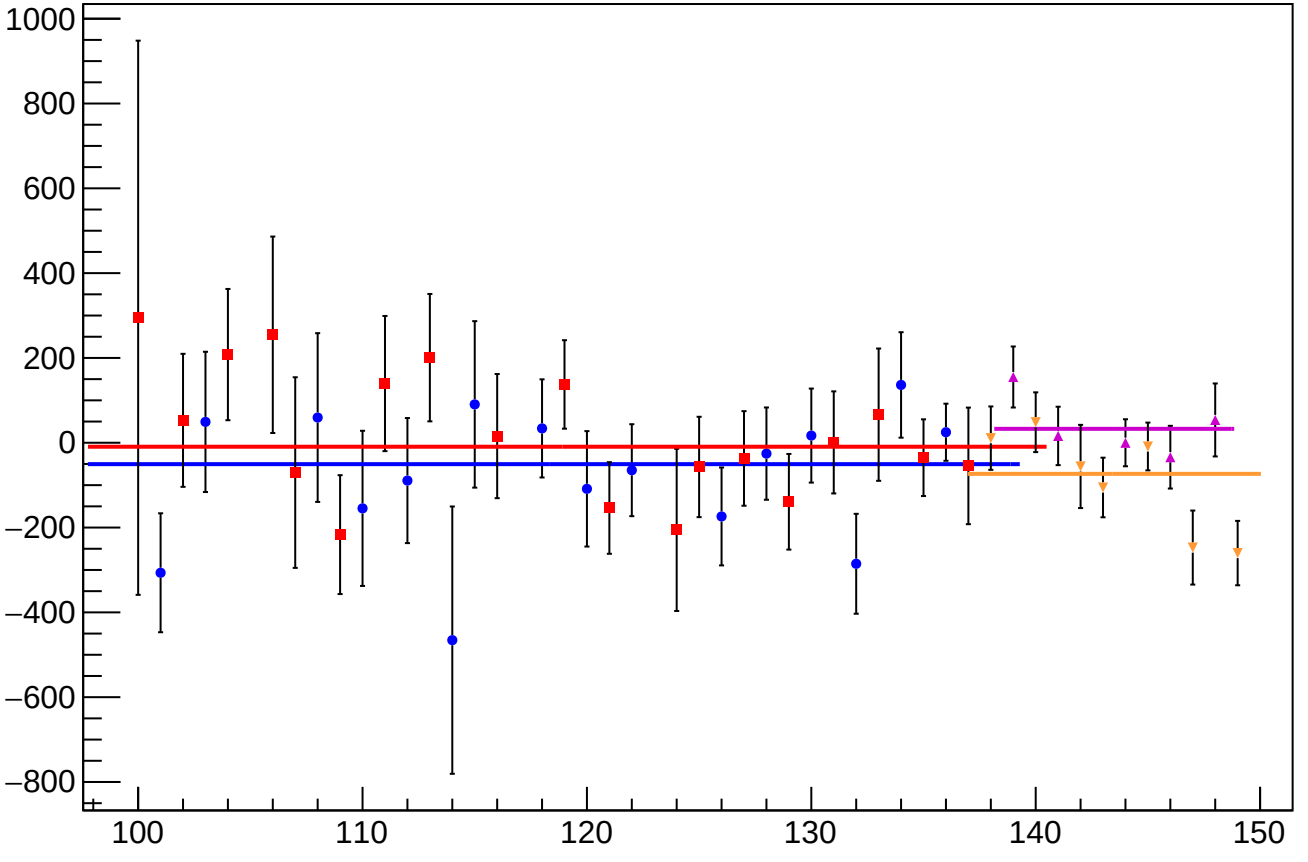
Left In: 338.375+/-0.118 χ^2/NDF:371245.2/4

\+ sign 428.964+/-0.095 χ^2/NDF: 4531544.8/22

All: 434.275+/-0.069 χ^2/NDF: 9302411.4/46

\- 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: -73.362+/-27.669 χ^2/NDF:15.8/6

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

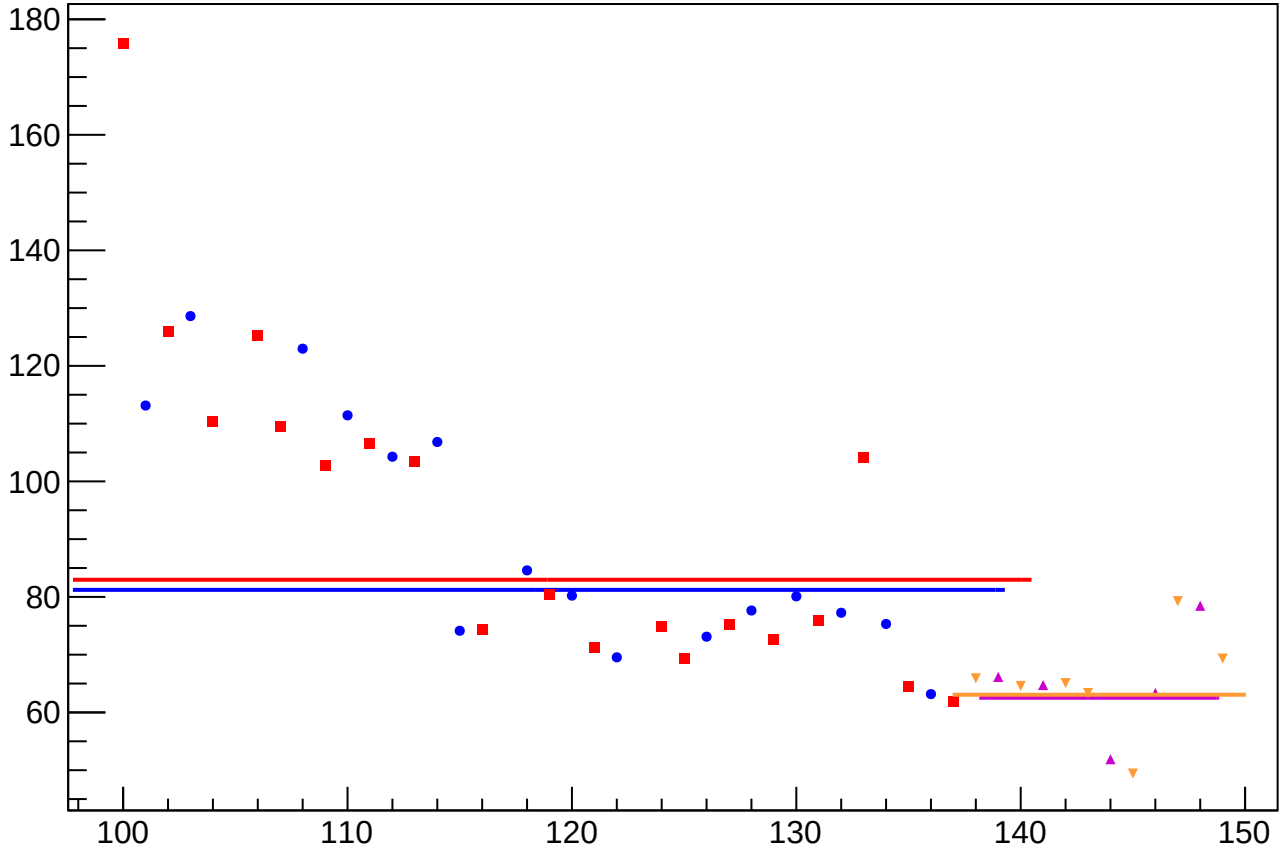
Left In: 32.817+/-30.899 χ^2/NDF:4.2/4

+ sign -63.232+/-20.661 χ^2/NDF: 32.6/22

All: -27.944+/-15.050 χ^2/NDF: 59.4/46

- 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: 63.061+/-0.020 χ^2/NDF:204441.3/6

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

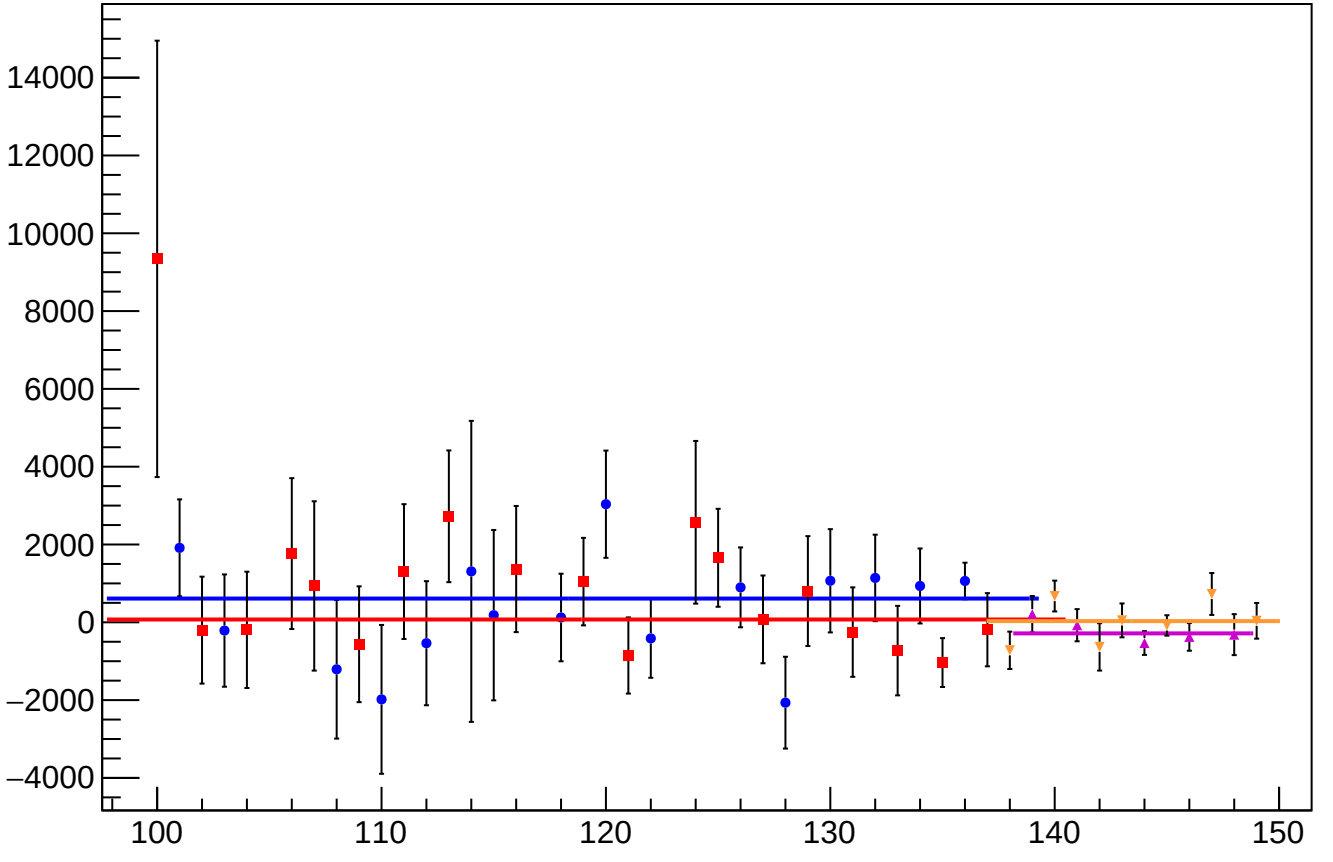
Left In: 62.542+/-0.022 χ^2/NDF:149529.8/4

+ sign 71.094+/-0.015 χ^2/NDF: 1248377.3/22

All: 71.823+/-0.011 χ^2/NDF: 2565985.4/46

- 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: 30.658+/-155.402 χ^2/NDF:8.1/6

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

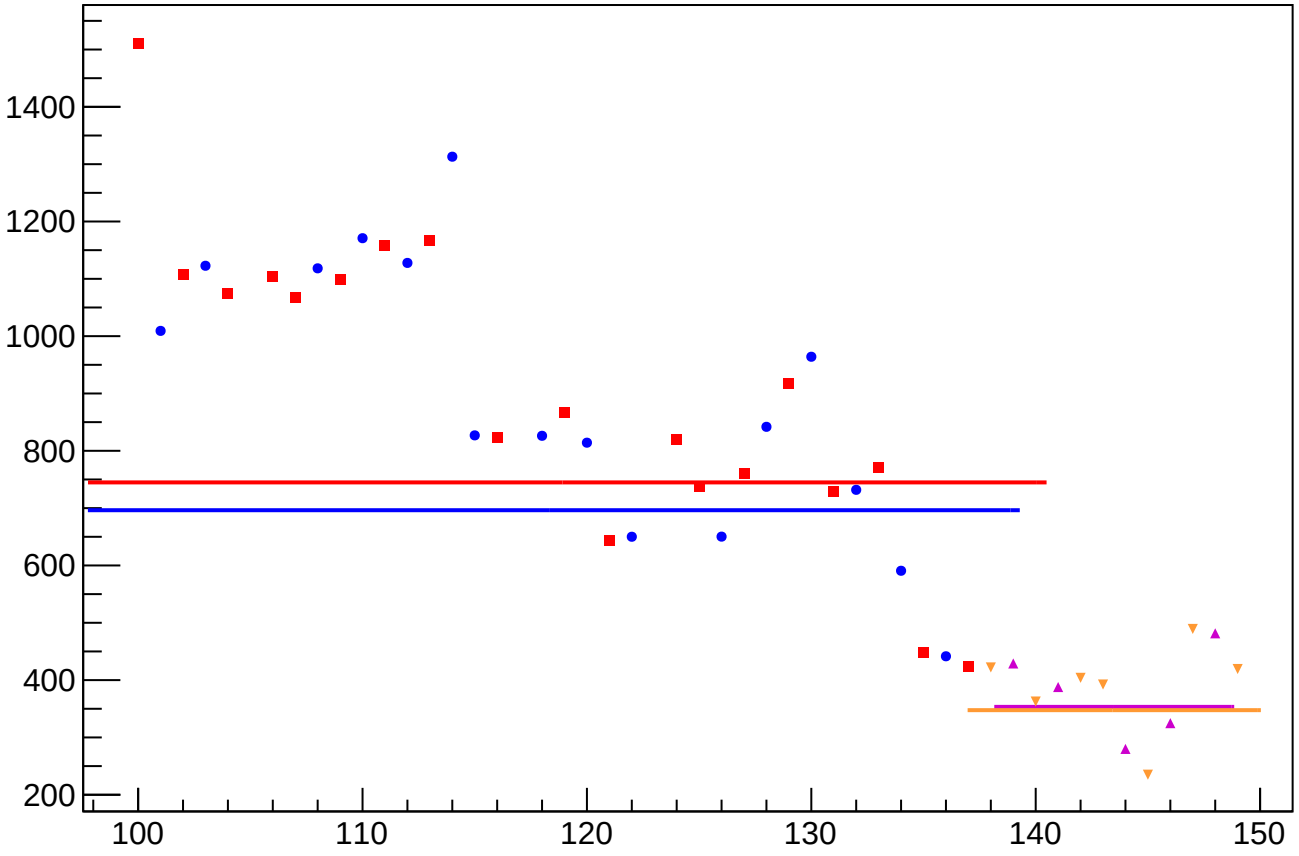
Left In: -284.947+/-174.926 χ^2/NDF:2.1/4

+ sign 171.766+/-135.172 χ^2/NDF: 27.3/22

All: 9.717+/-100.218 χ^2/NDF: 49.9/46

- 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: 347.576+/-0.110 χ^2/NDF:645000.3/6

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

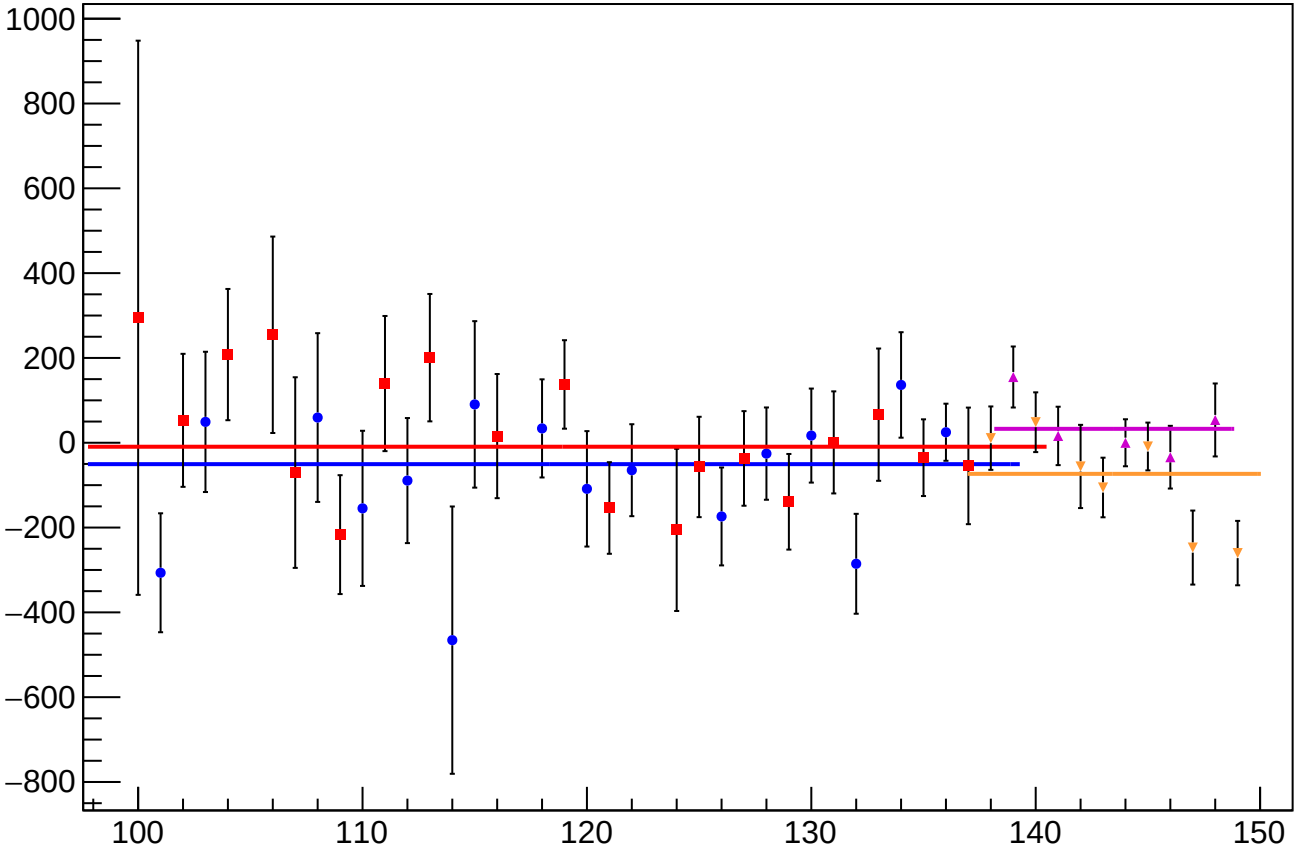
Left In: 353.309+/-0.124 χ^2/NDF:313421.8/4

\+ sign 432.475+/-0.096 χ^2/NDF: 4612868.6/22

All: 444.628+/-0.071 χ^2/NDF: 9177353.8/46

\- 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: -73.361+/-27.669 χ^2/NDF:15.8/6

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

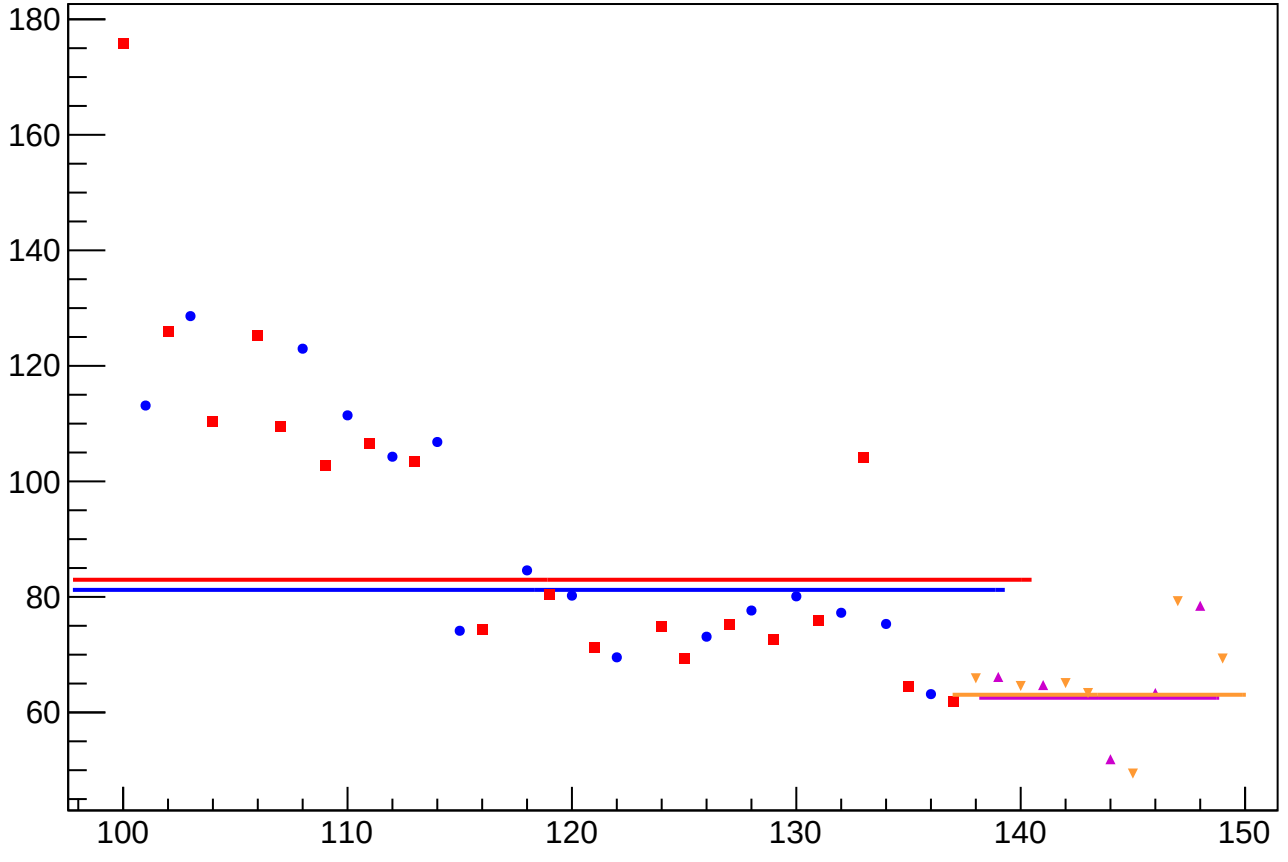
Left In: 32.816+/-30.899 χ^2/NDF:4.2/4

+ sign -63.231+/-20.660 χ^2/NDF: 32.6/22

All: -27.944+/-15.050 χ^2/NDF: 59.4/46

- 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: 63.061+/-0.020 χ^2/NDF:204437.9/6

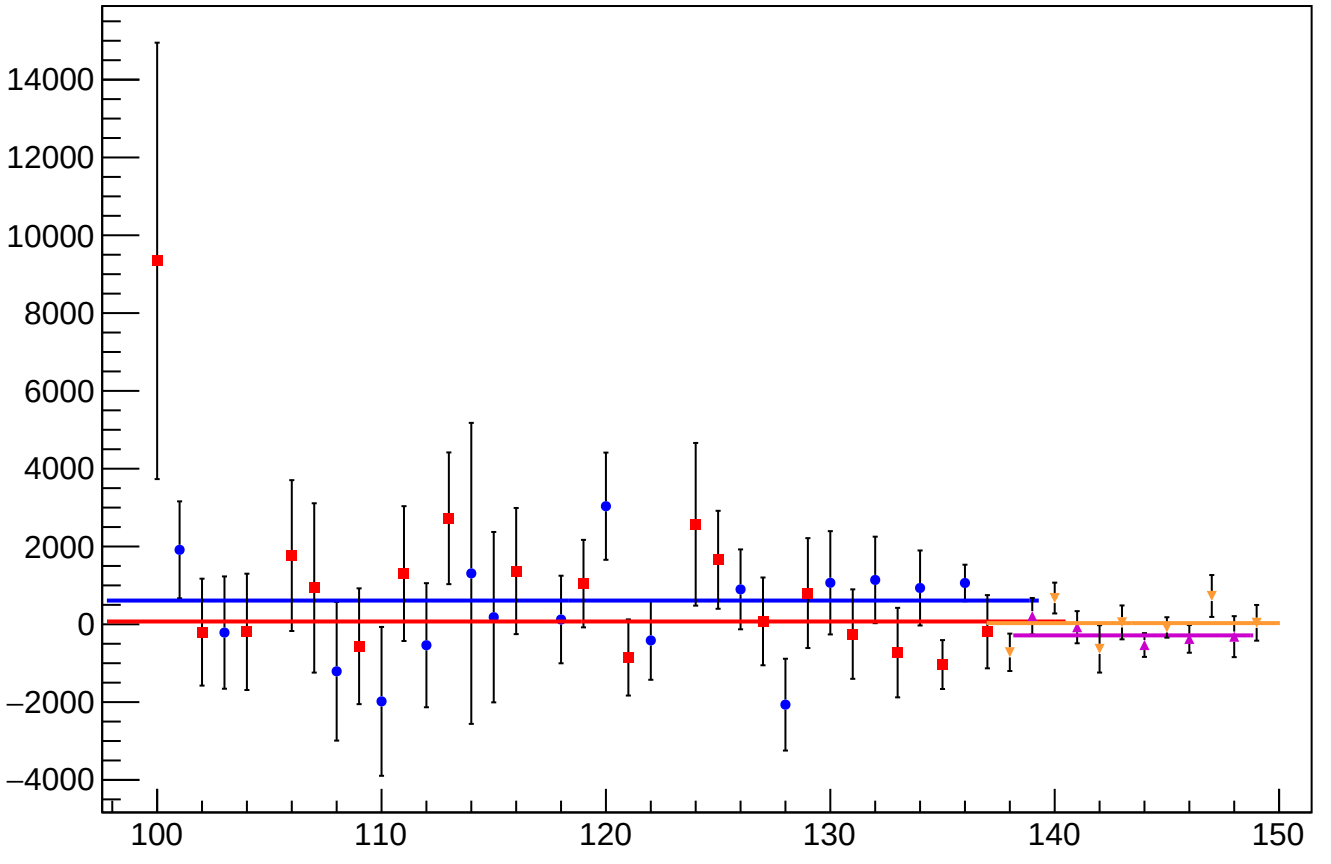
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.542+/-0.022 χ^2/NDF:149530.6/4

+ sign 71.094+/-0.015 χ^2/NDF: 1248332.7/22

All: 71.823+/-0.011 χ^2/NDF: 2565908.9/46

- sign 72.646+/-0.016 χ^2/NDF: 1312277.9/23



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 30.658+/-155.402 χ^2/NDF:8.1/6

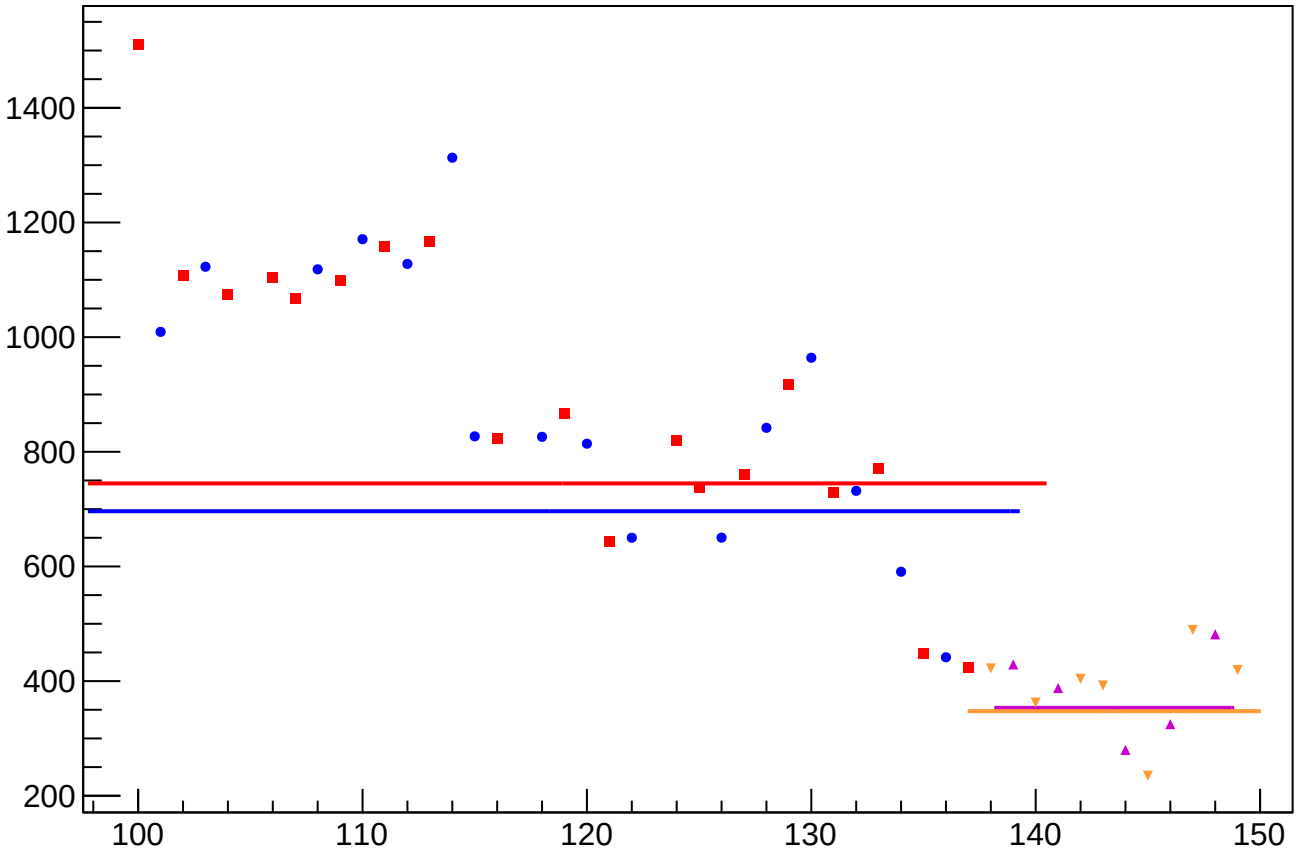
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -284.948+/-174.926 χ^2/NDF:2.1/4

+ sign 171.766+/-135.172 χ^2/NDF: 27.3/22

All: 9.717+/-100.218 χ^2/NDF: 49.9/46

- 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: 347.576+/-0.110 χ^2/NDF:645014.4/6

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

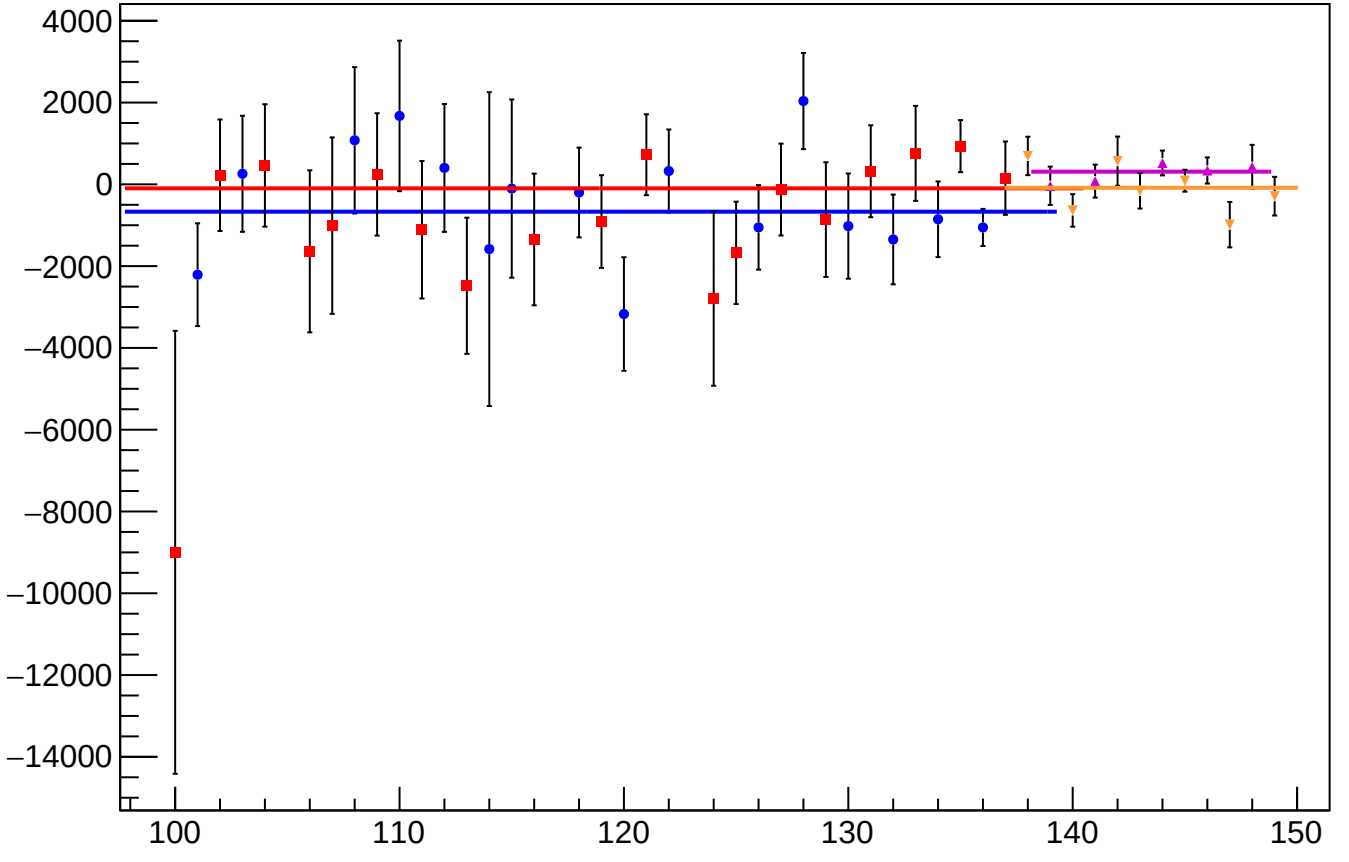
Left In: 353.309+/-0.124 χ^2/NDF:313425.1/4

+ sign 432.474+/-0.096 χ^2/NDF: 4612866.8/22

All: 444.627+/-0.071 χ^2/NDF: 9177337.5/46

- 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: -83.791+/-156.933 χ^2/NDF:9.1/6

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

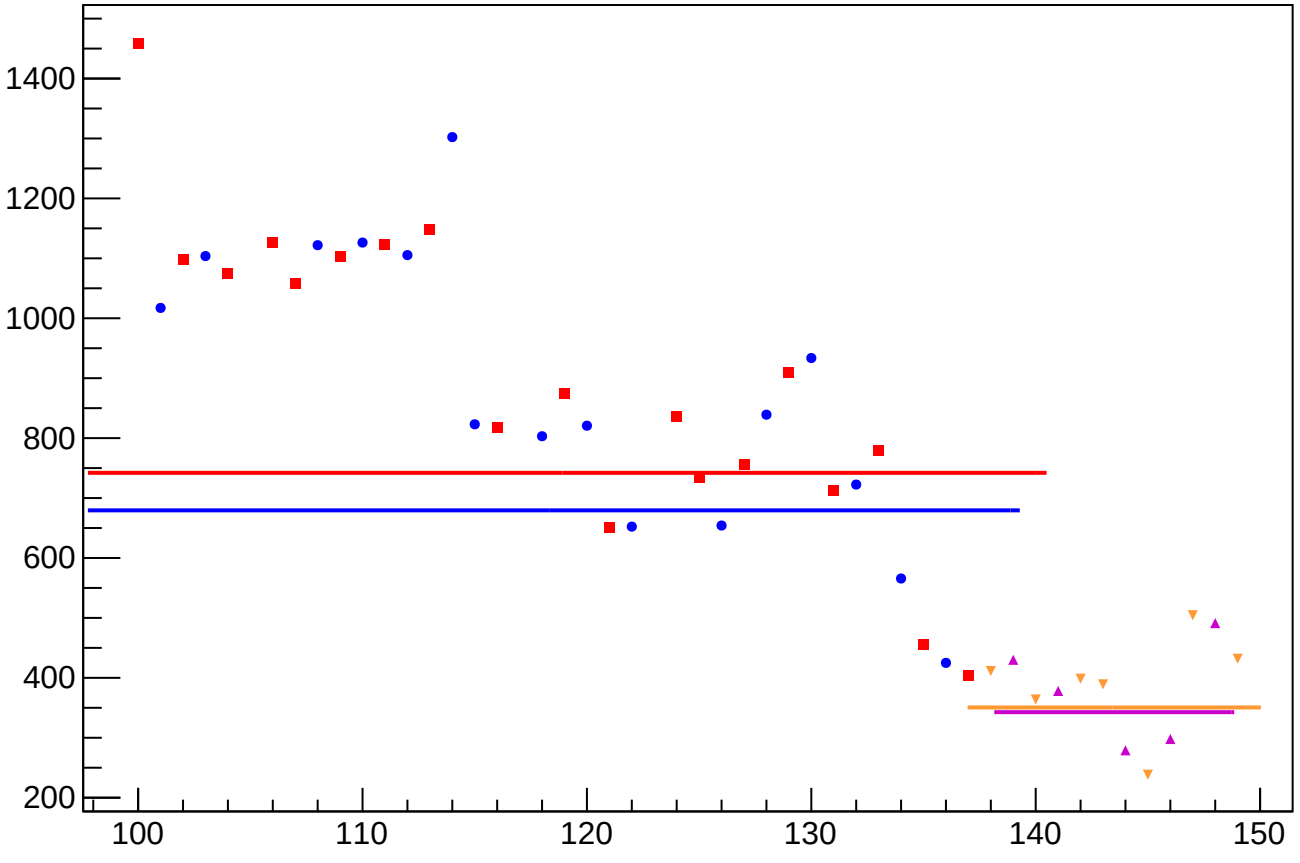
Left In: 310.605+/-169.451 χ^2/NDF:1.4/4

+ sign -232.716+/-135.481 χ^2/NDF: 28.8/22

All: -30.138+/-99.237 χ^2/NDF: 51.4/46

- 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: 350.566+/-0.111 χ^2/NDF:627565.7/6

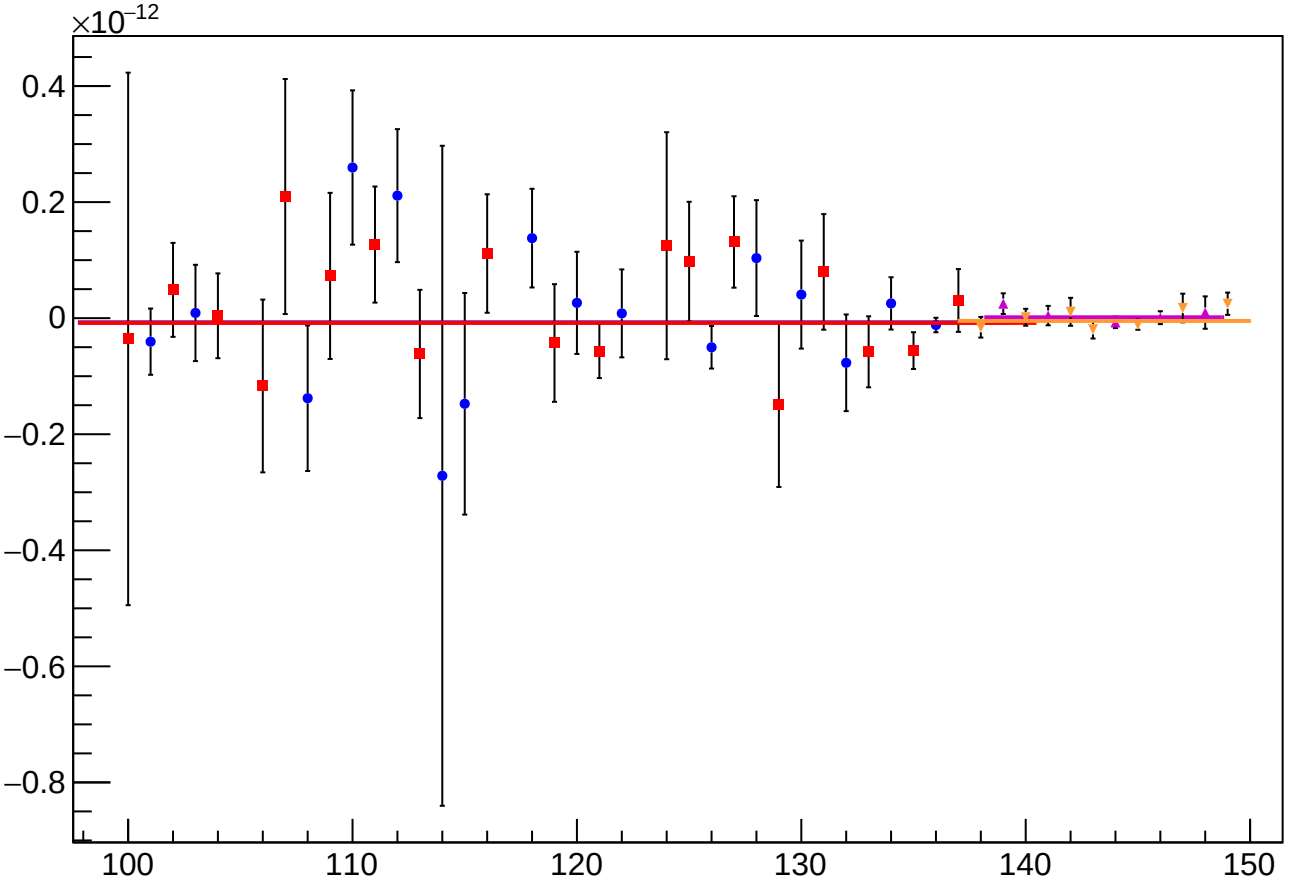
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 342.723+/-0.120 χ^2/NDF:365173.7/4

+ sign 434.337+/-0.096 χ^2/NDF: 4465985.4/22

All: 439.998+/-0.070 χ^2/NDF: 9231234.3/46

- 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:5.5/6

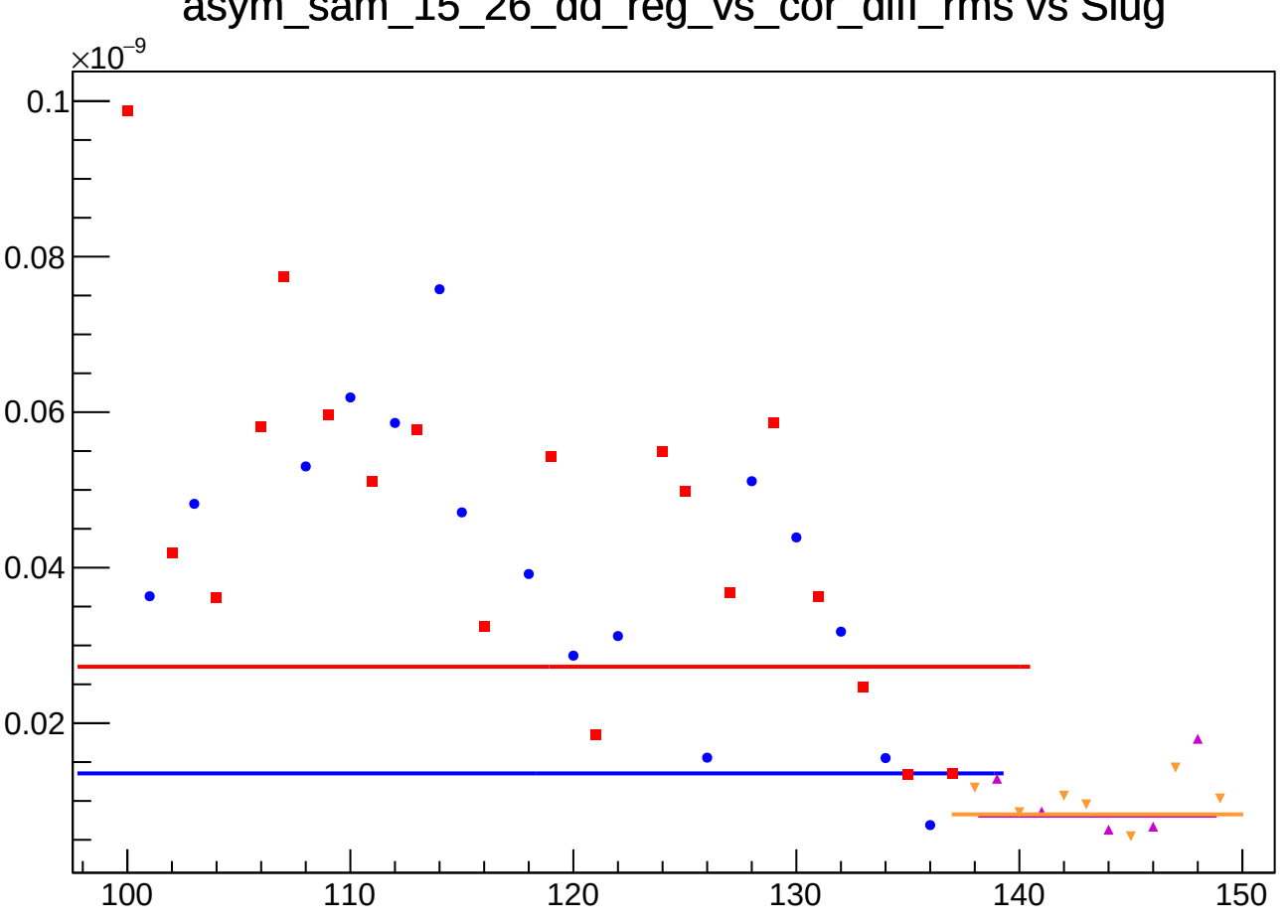
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/4

+ sign -0.000+/-0.000 χ^2/NDF: 22.8/22

All: -0.000+/-0.000 χ^2/NDF: 43.3/46

- 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:455459.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

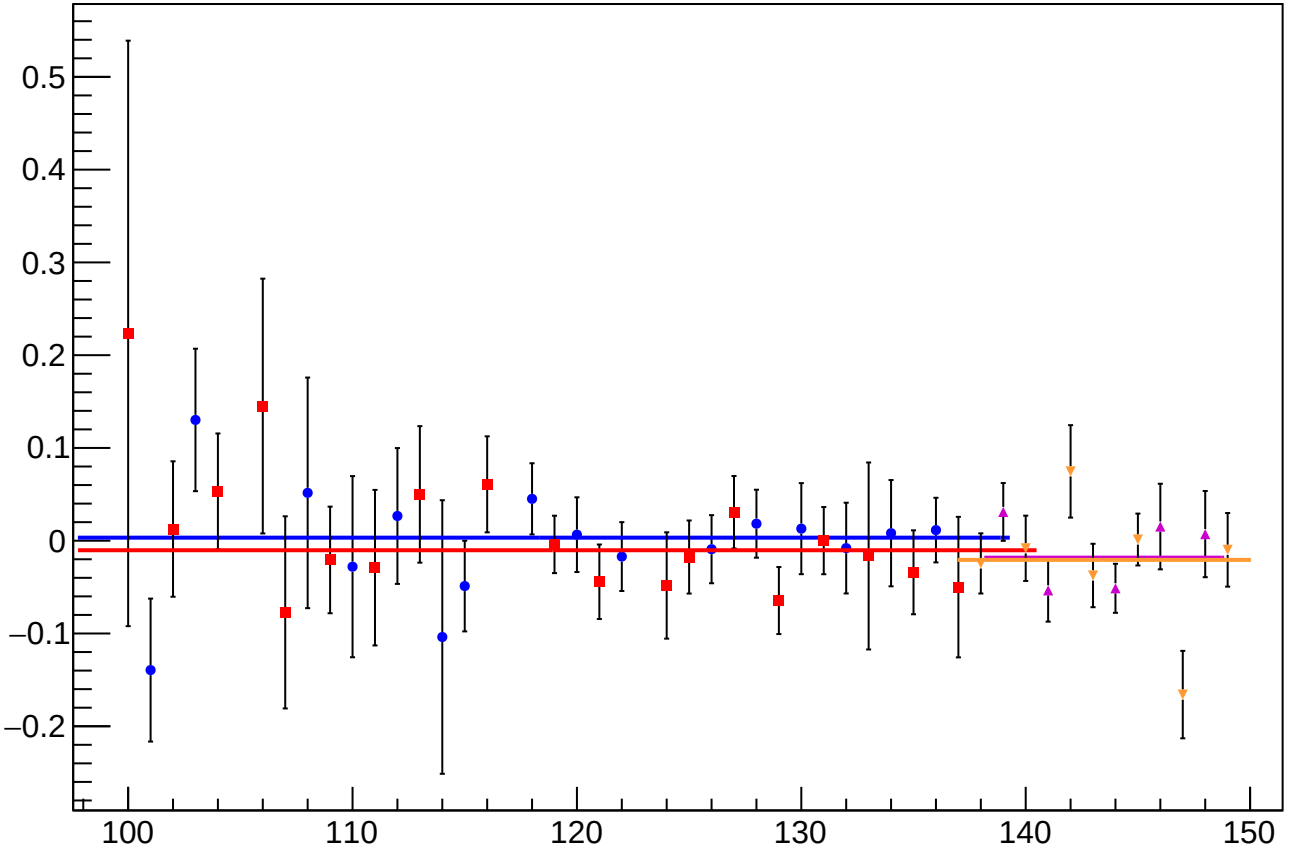
Left In: 0.000+/-0.000 χ^2/NDF:493977.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 3891977.3/22

All: 0.000+/-0.000 χ^2/NDF: 8315544.8/46

- 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: -0.021+/-0.014 χ^2/NDF:14.2/6

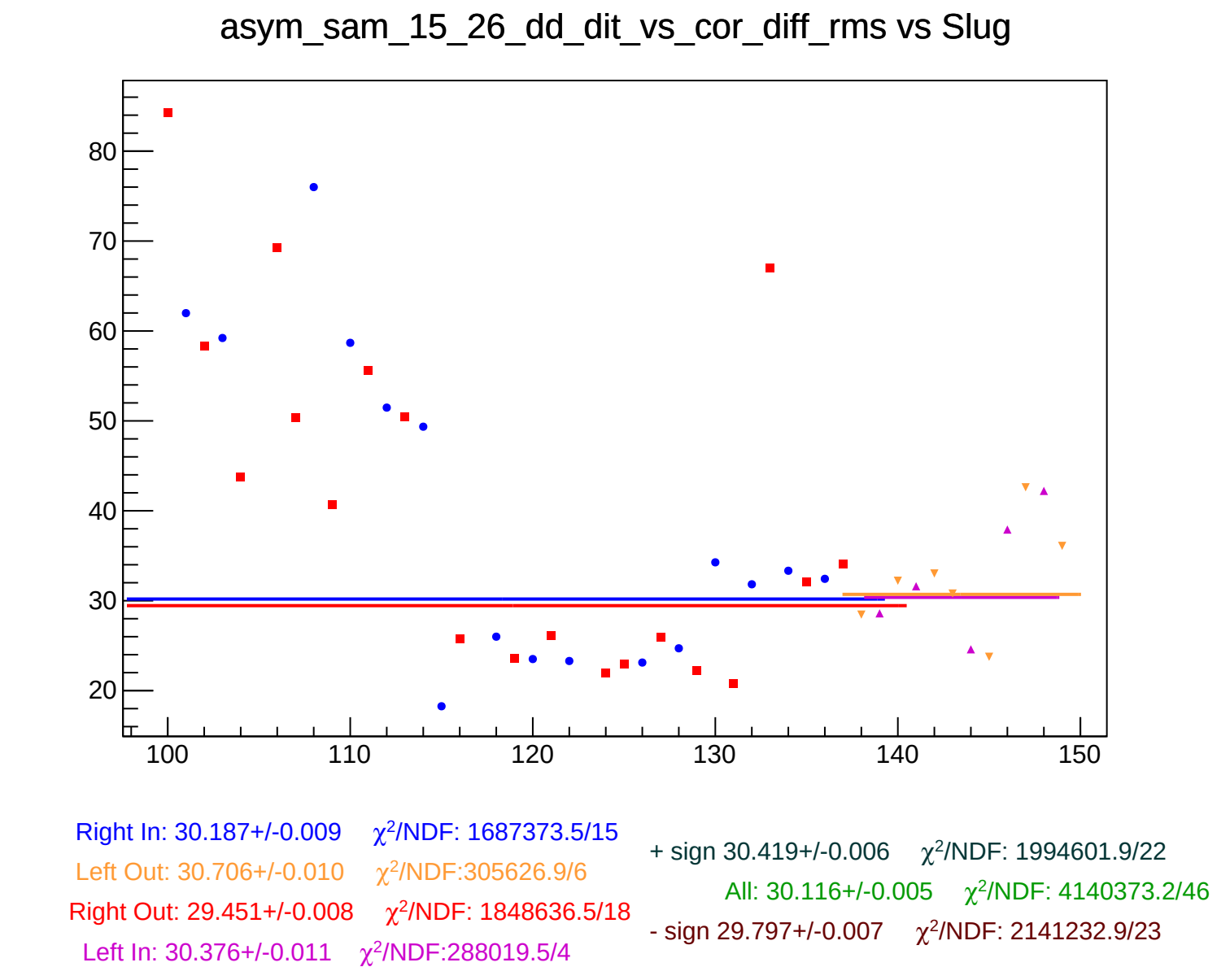
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

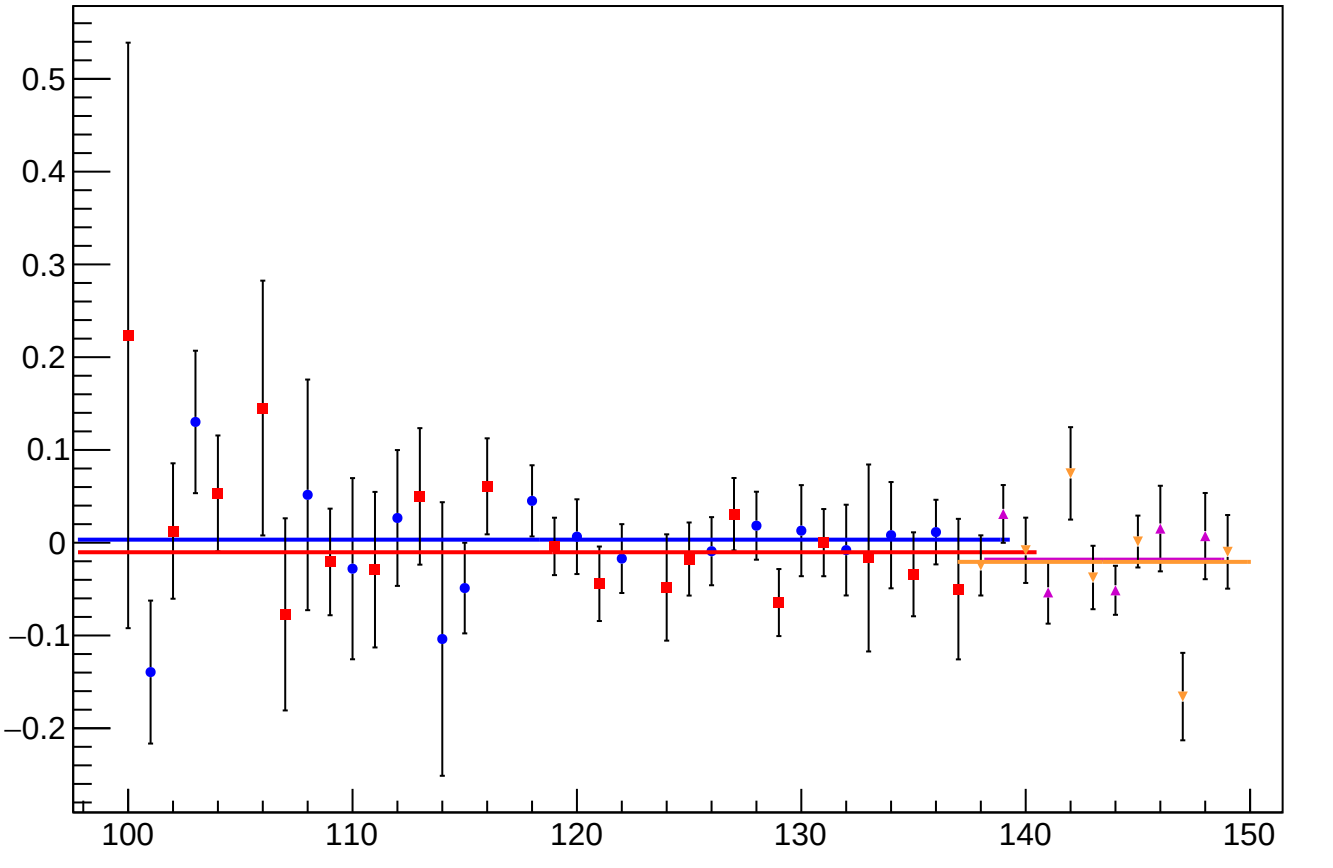
Left In: -0.018+/-0.015 χ^2/NDF:6.0/4

+ sign -0.007+/-0.009 χ^2/NDF: 26.1/22

All: -0.010+/-0.007 χ^2/NDF: 43.6/46

- sign -0.013+/-0.009 χ^2/NDF: 17.4/23


asym_sam_15_26_dd_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: 1687373.5/15
Left Out: 30.706+/-0.010 χ²/NDF:305626.9/6
Right Out: 29.451+/-0.008 χ²/NDF: 1848636.5/18
Left In: 30.376+/-0.011 χ²/NDF:288019.5/4
+ sign 30.419+/-0.006 χ²/NDF: 1994601.9/22
All: 30.116+/-0.005 χ²/NDF: 4140373.2/46
- sign 29.797+/-0.007 χ²/NDF: 2141232.9/23



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.014 χ^2/NDF:14.2/6

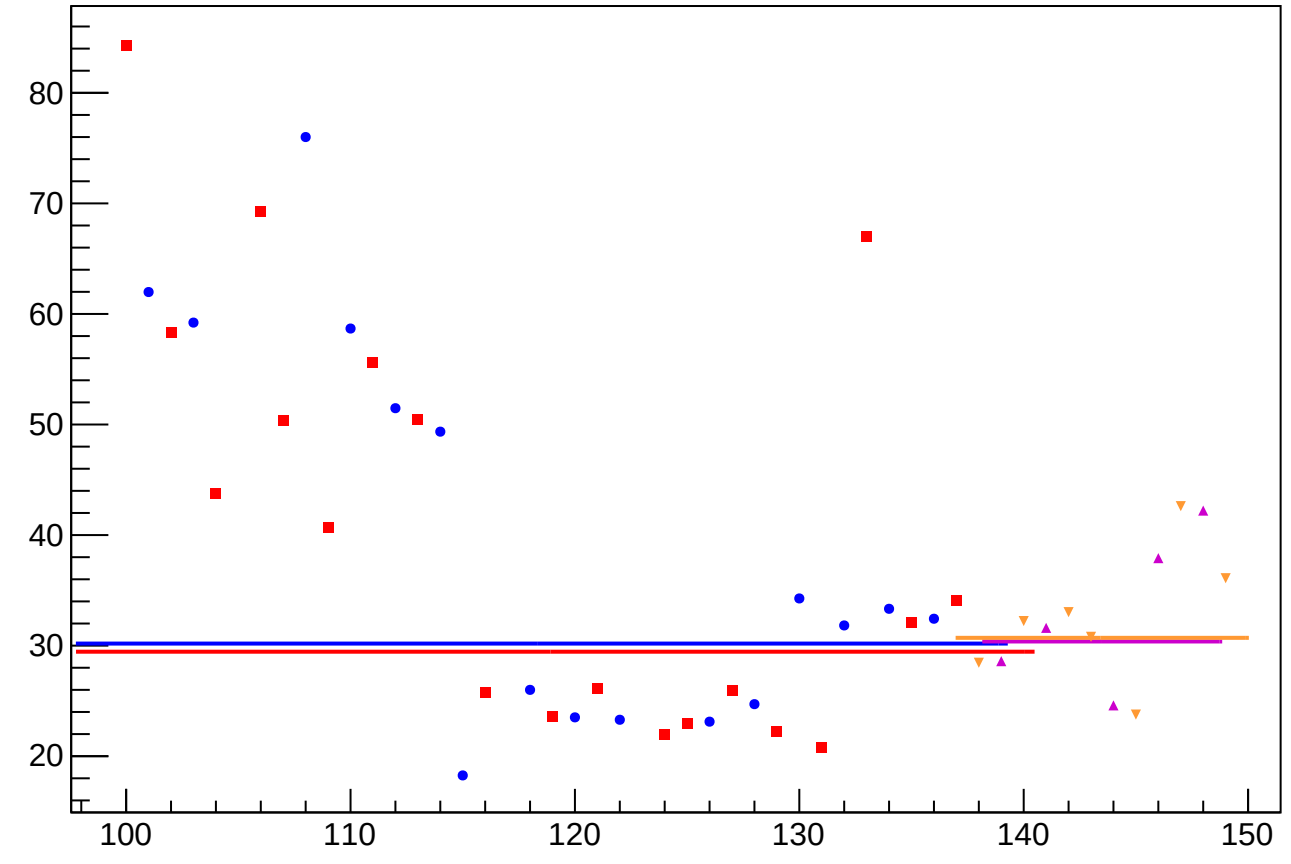
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.018+/-0.015 χ^2/NDF:6.0/4

+ sign -0.007+/-0.009 χ^2/NDF: 26.1/22

All: -0.010+/-0.007 χ^2/NDF: 43.6/46

- sign -0.013+/-0.009 χ^2/NDF: 17.4/23



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 30.706+/-0.010 χ^2/NDF:305626.9/6

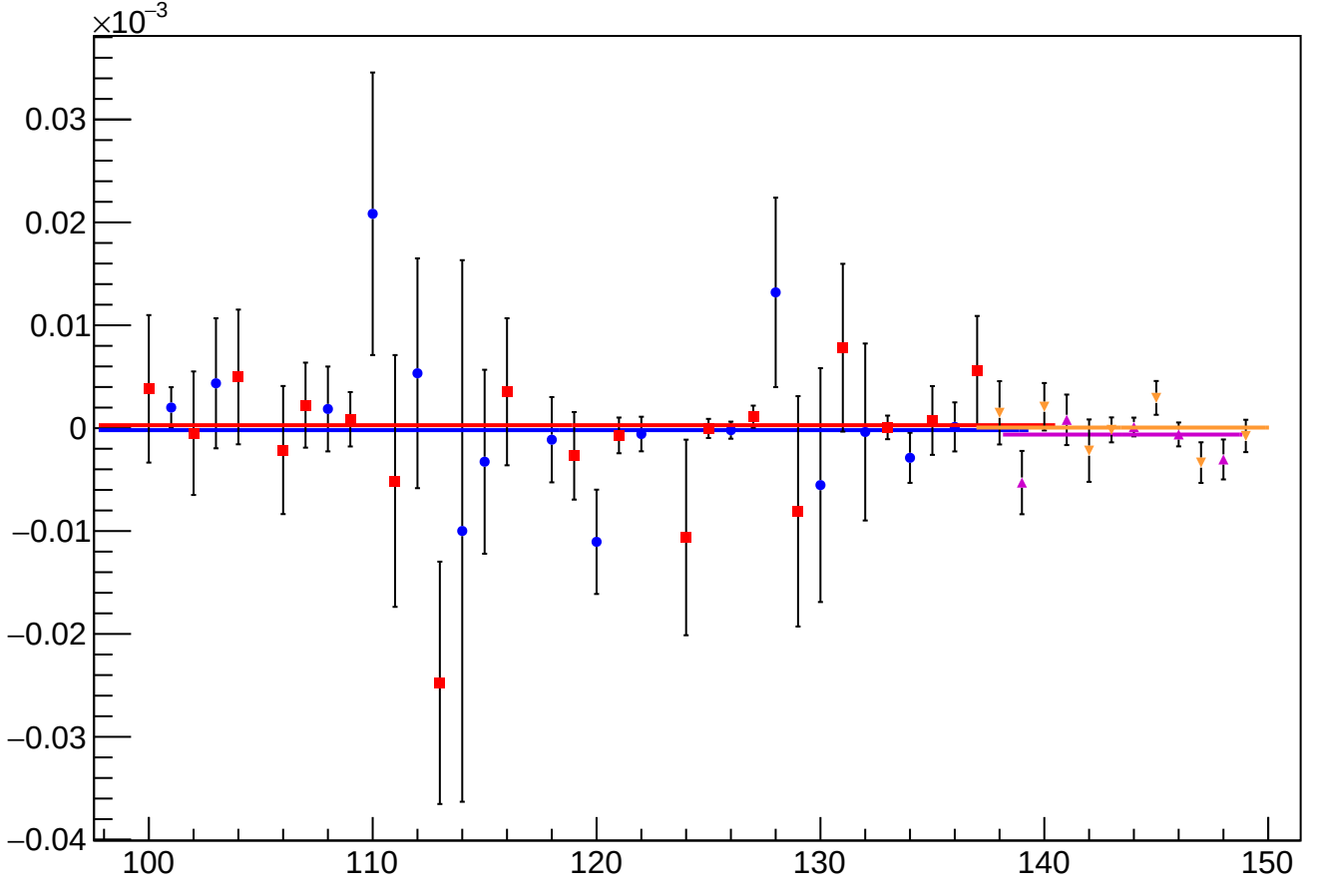
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 30.376+/-0.011 χ^2/NDF:288019.5/4

+ sign 30.419+/-0.006 χ^2/NDF: 1994601.9/22

All: 30.116+/-0.005 χ^2/NDF: 4140373.2/46

- sign 29.797+/-0.007 χ^2/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:7.9/6

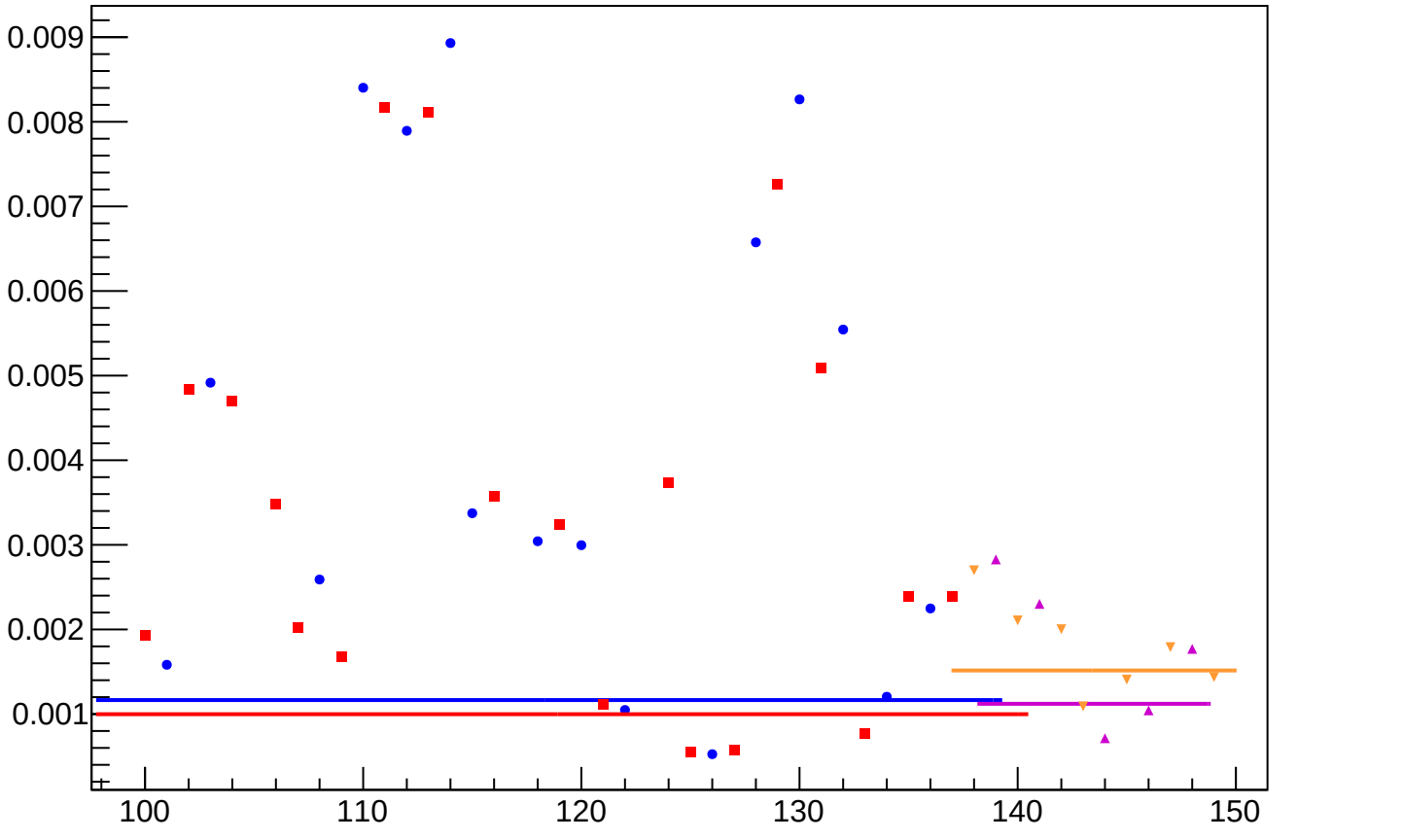
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 21.1/22

All: -0.000+/-0.000 χ^2/NDF: 38.6/46

- 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:777841.6/6

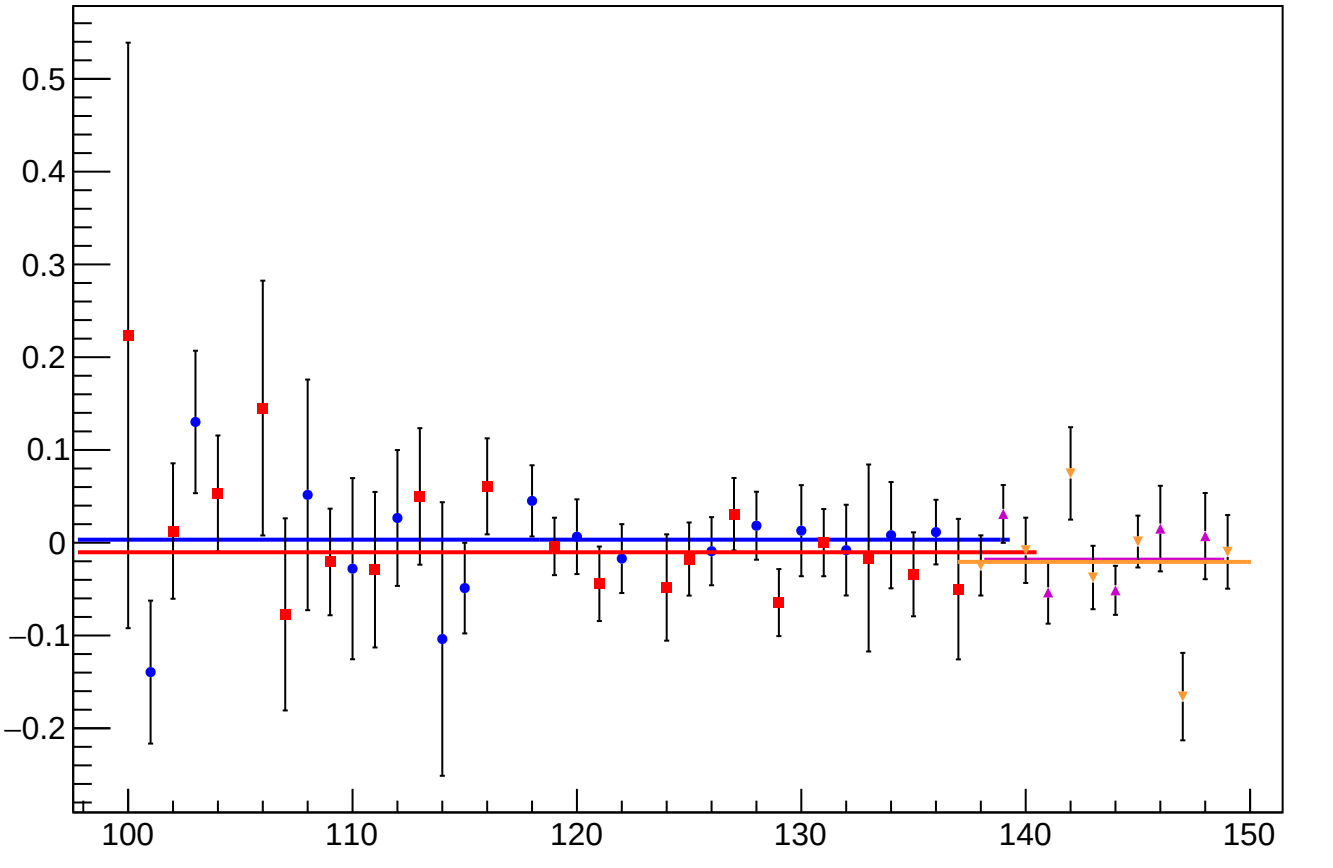
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:1710211.9/4

+ sign 0.001+/-0.000 χ^2/NDF: 7947423.9/22

All: 0.001+/-0.000 χ^2/NDF: 17038528.7/46

- 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: -0.021+/-0.014 χ^2/NDF:14.2/6

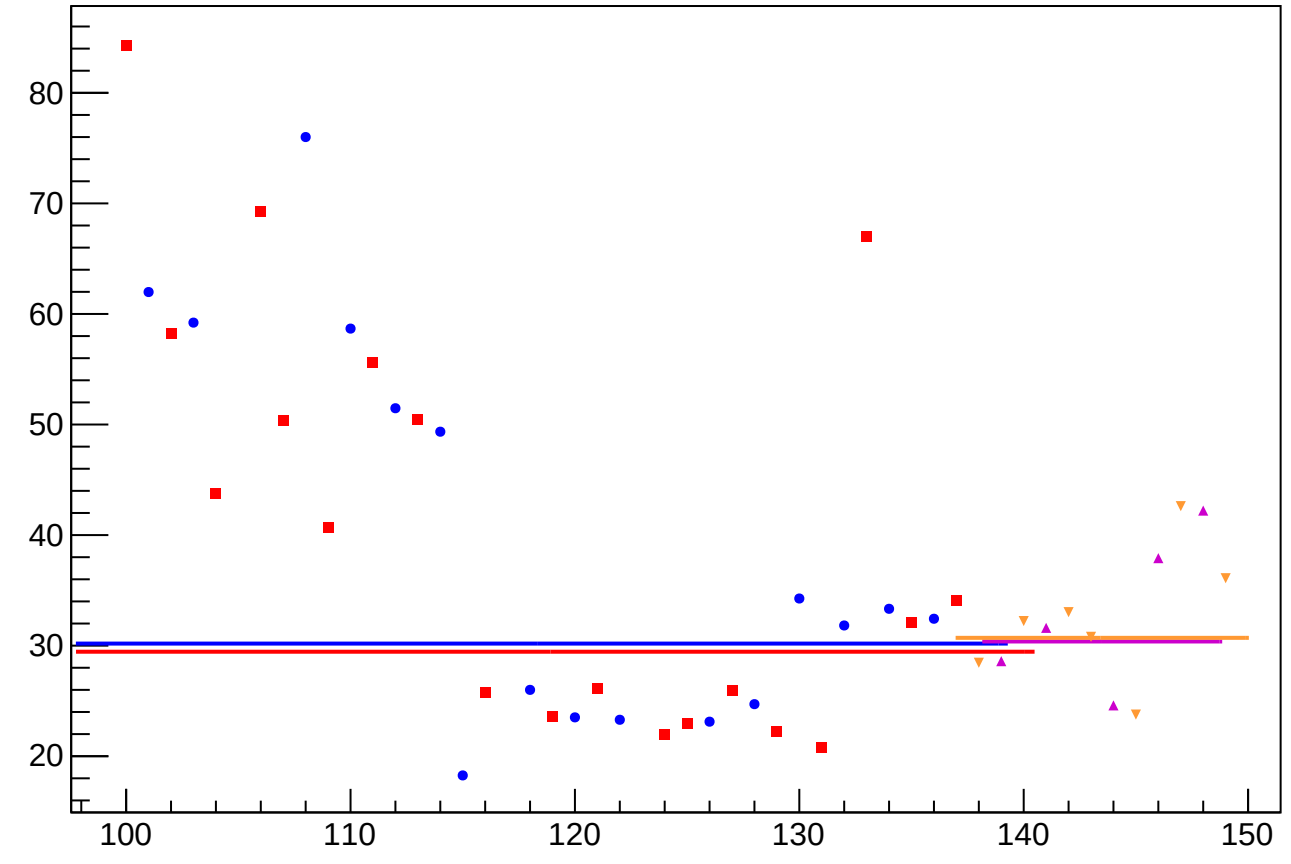
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.018+/-0.015 χ^2/NDF:6.0/4

+ sign -0.007+/-0.009 χ^2/NDF: 26.1/22

All: -0.010+/-0.007 χ^2/NDF: 43.7/46

- sign -0.013+/-0.009 χ^2/NDF: 17.4/23



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 30.706+/-0.010 χ^2/NDF:305608.3/6

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

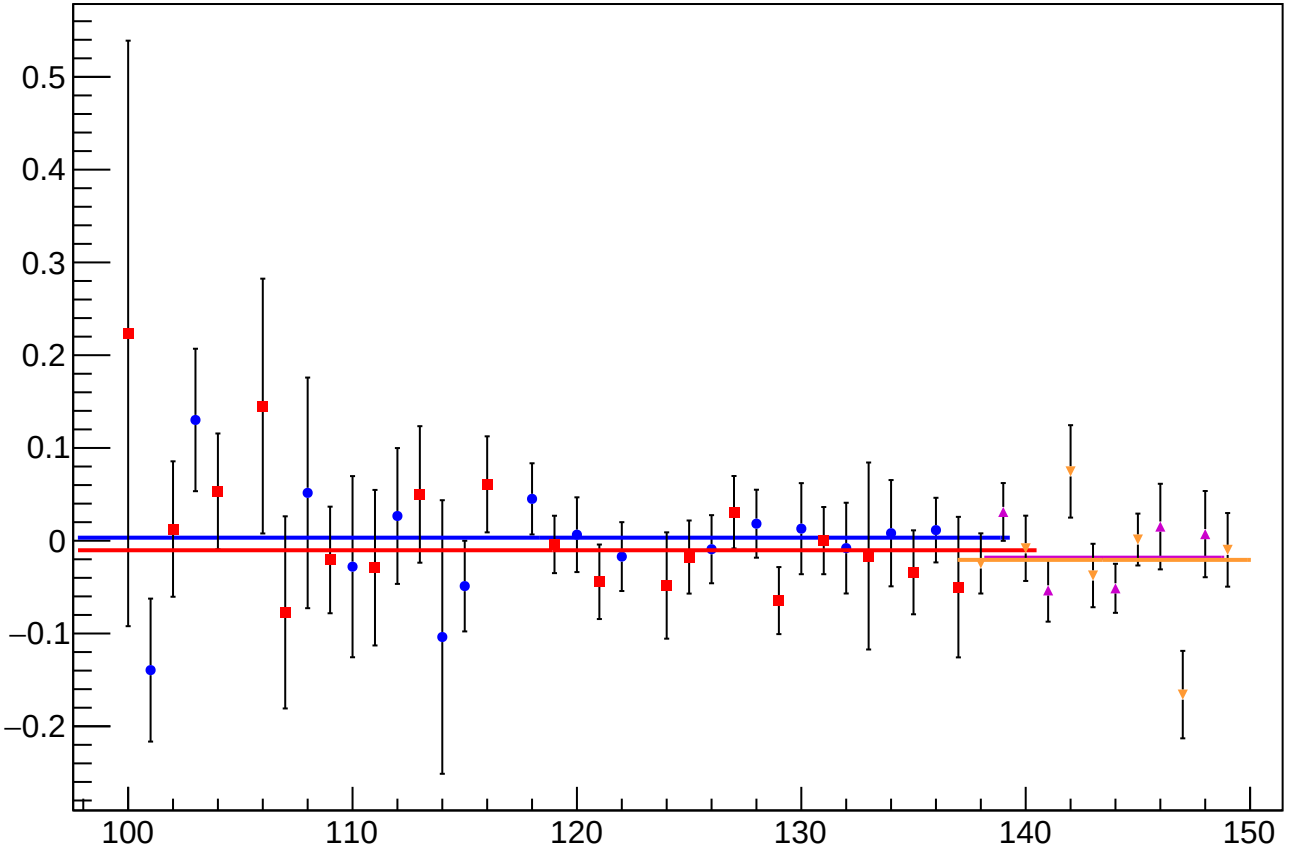
Left In: 30.376+/-0.011 χ^2/NDF:288019.9/4

+ sign 30.420+/-0.006 χ^2/NDF: 1994400.8/22

All: 30.116+/-0.005 χ^2/NDF: 4140185.2/46

- sign 29.797+/-0.007 χ^2/NDF: 2141239.6/23

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.014 χ^2/NDF:14.2/6

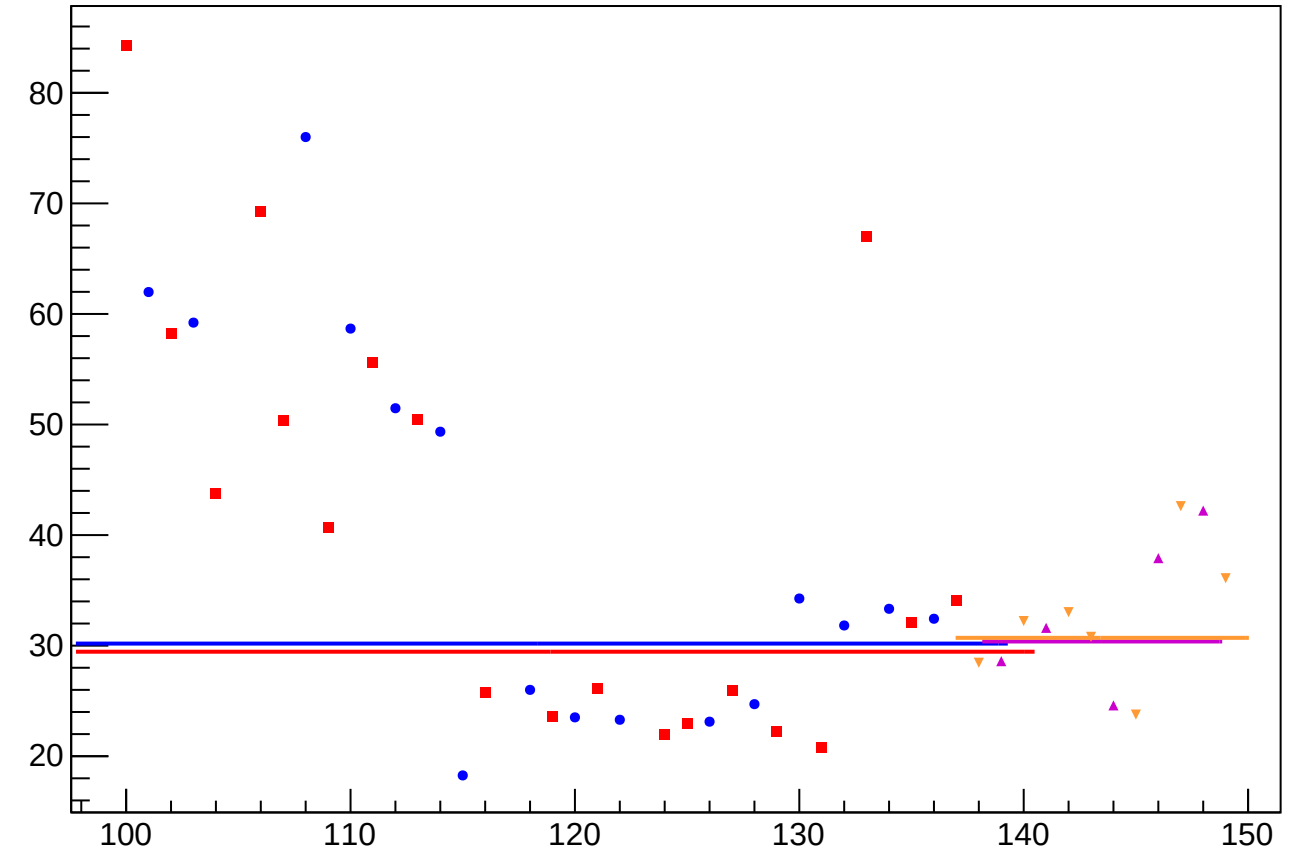
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.018+/-0.015 χ^2/NDF:6.0/4

+ sign -0.007+/-0.009 χ^2/NDF: 26.1/22

All: -0.010+/-0.007 χ^2/NDF: 43.7/46

- sign -0.013+/-0.009 χ^2/NDF: 17.4/23



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 30.706+/-0.010 χ^2/NDF:305608.3/6

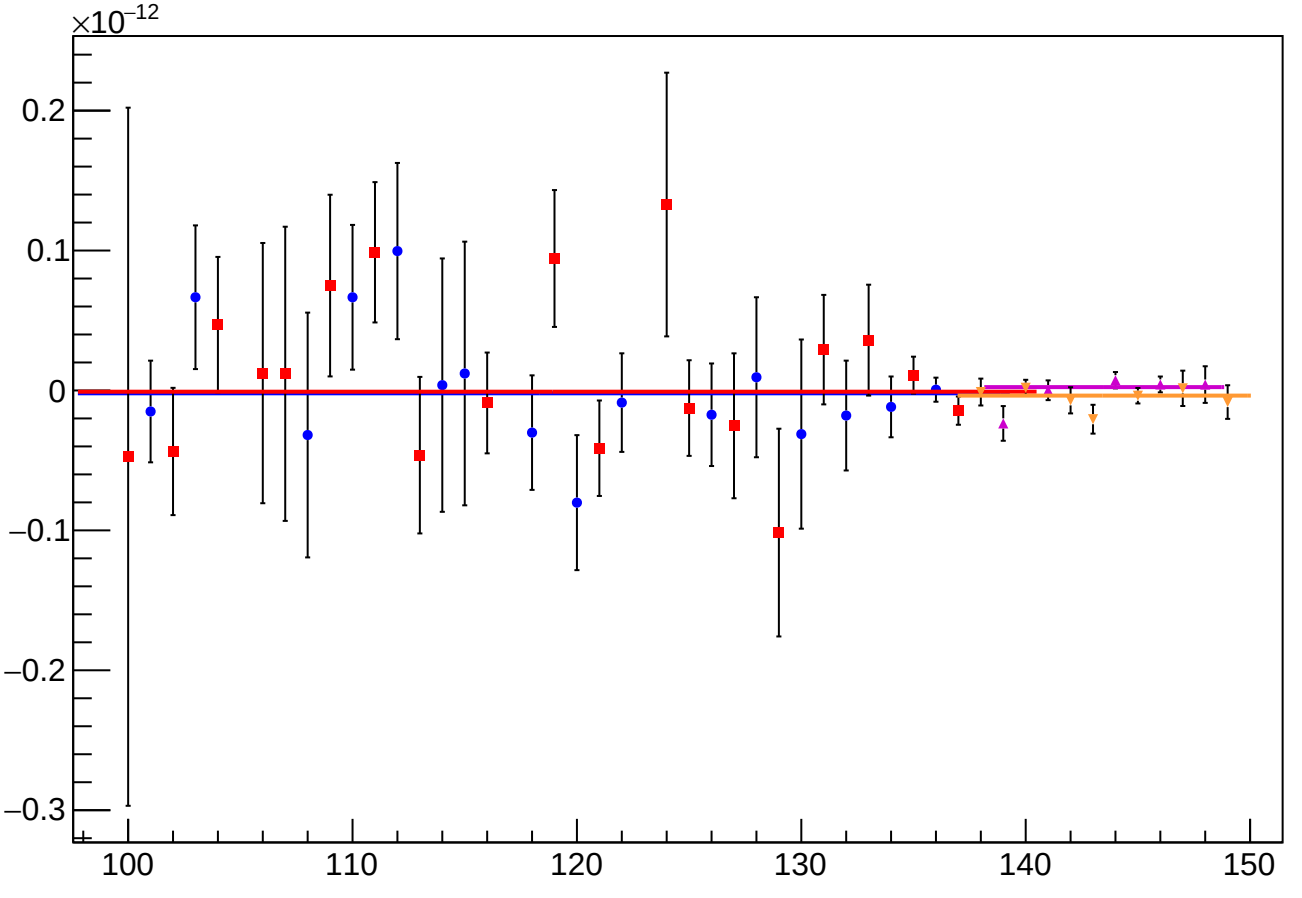
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 30.376+/-0.011 χ^2/NDF:288019.9/4

\+ sign 30.420+/-0.006 χ^2/NDF: 1994400.8/22

All: 30.116+/-0.005 χ^2/NDF: 4140185.2/46

\- sign 29.797+/-0.007 χ^2/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:4.2/6

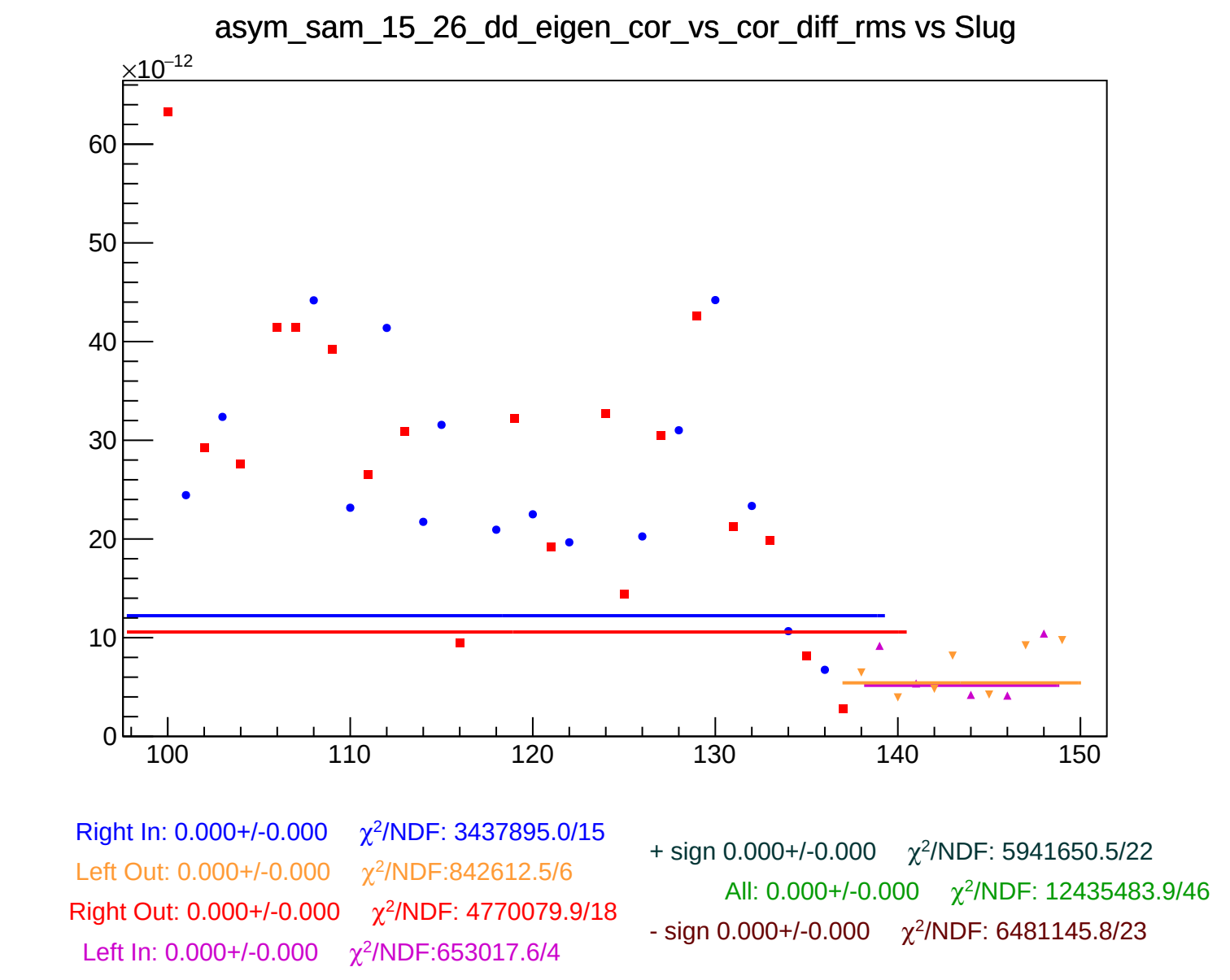
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/4

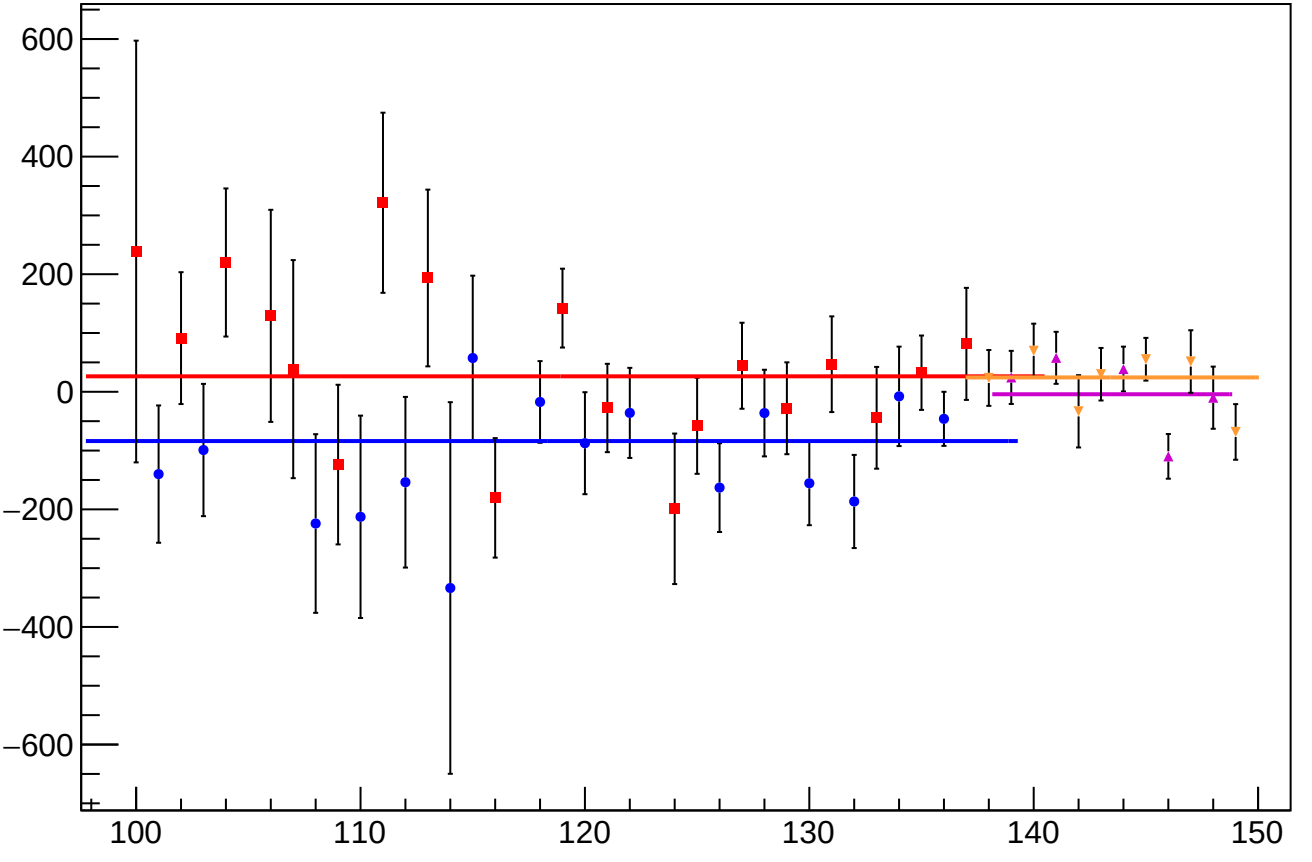
+ sign -0.000+/-0.000 χ^2/NDF: 14.6/22

All: -0.000+/-0.000 χ^2/NDF: 43.2/46

- sign 0.000+/-0.000 χ^2/NDF: 26.9/23


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:842612.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:653017.6/4
+ sign 0.000+/-0.000 χ²/NDF: 5941650.5/22
All: 0.000+/-0.000 χ²/NDF: 12435483.9/46
- sign 0.000+/-0.000 χ²/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: 24.415+/-17.579 χ^2/NDF:6.7/6

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

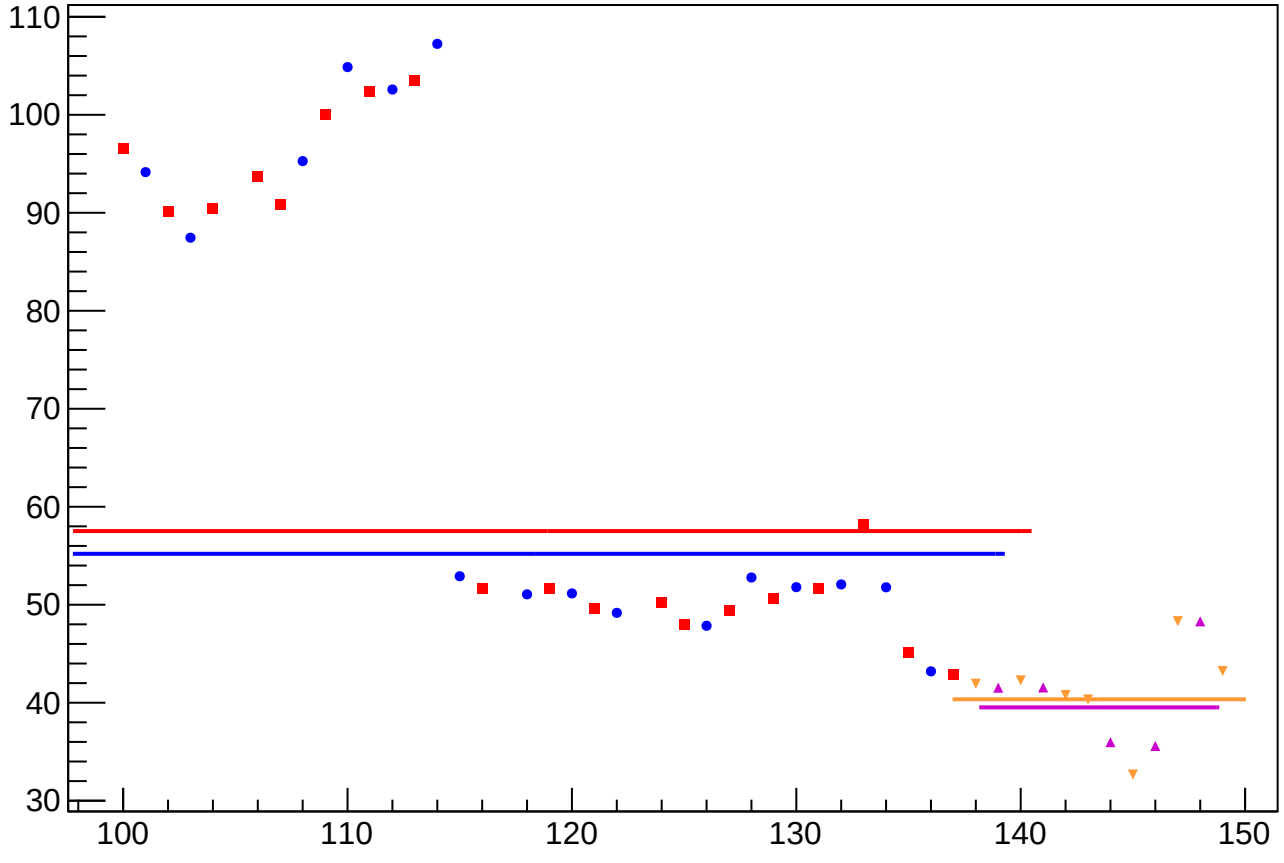
Left In: -4.192+/-19.103 χ^2/NDF:11.4/4

+ sign -19.104+/-13.592 χ^2/NDF: 32.5/22

All: -5.965+/-9.898 χ^2/NDF: 69.9/46

- 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: 40.350+/-0.012 χ^2/NDF:147596.3/6

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

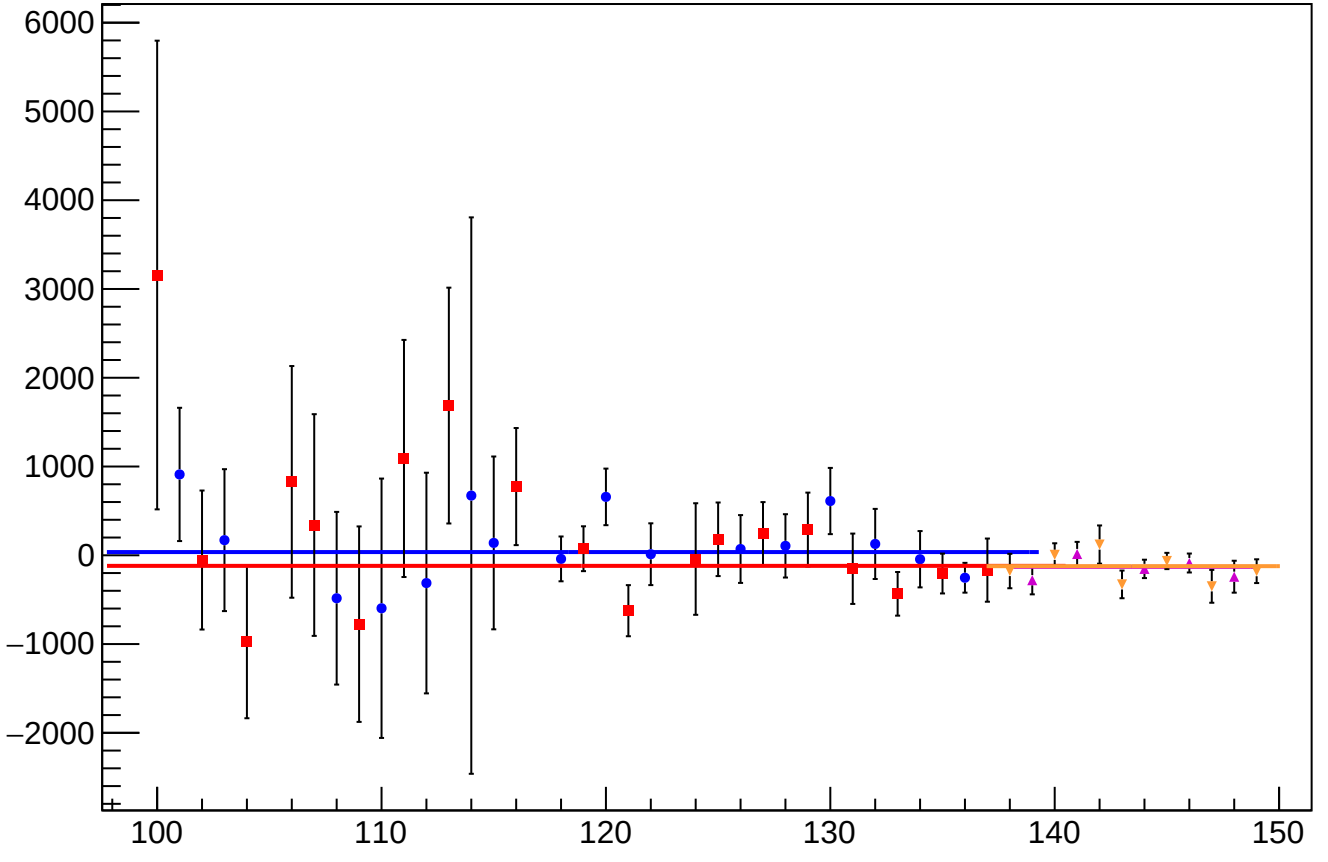
Left In: 39.525+/-0.014 χ^2/NDF:102281.1/4

+ sign 46.321+/-0.010 χ^2/NDF: 1873917.3/22

All: 46.750+/-0.007 χ^2/NDF: 4022378.0/46

- 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: -122.482+/-53.256 χ^2/NDF:6.1/6

Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

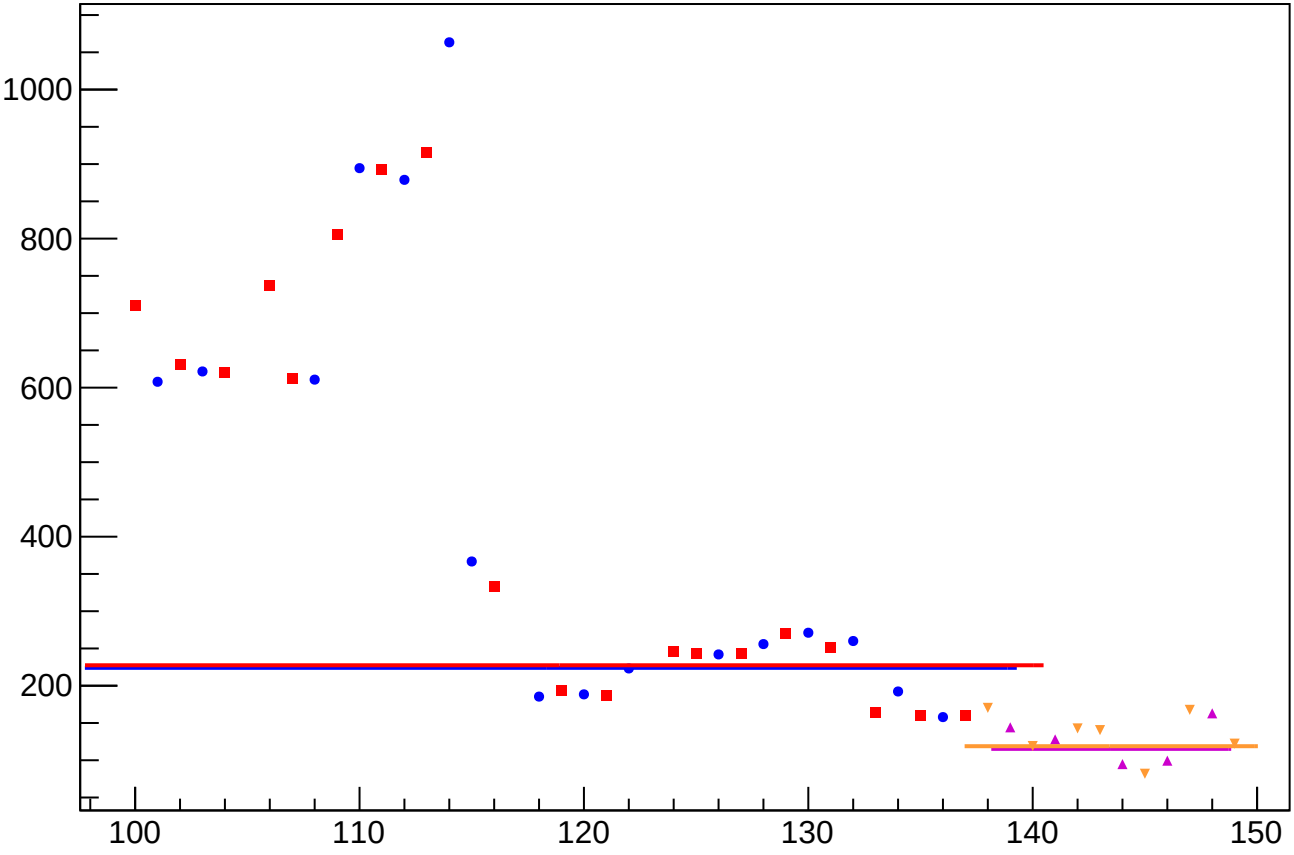
Left In: -129.808+/-57.269 χ^2/NDF:2.6/4

\+ sign -83.621+/-46.283 χ^2/NDF: 19.7/22

All: -104.008+/-33.698 χ^2/NDF: 38.8/46

\- 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: 118.842+/-0.038 χ^2/NDF:669837.1/6

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

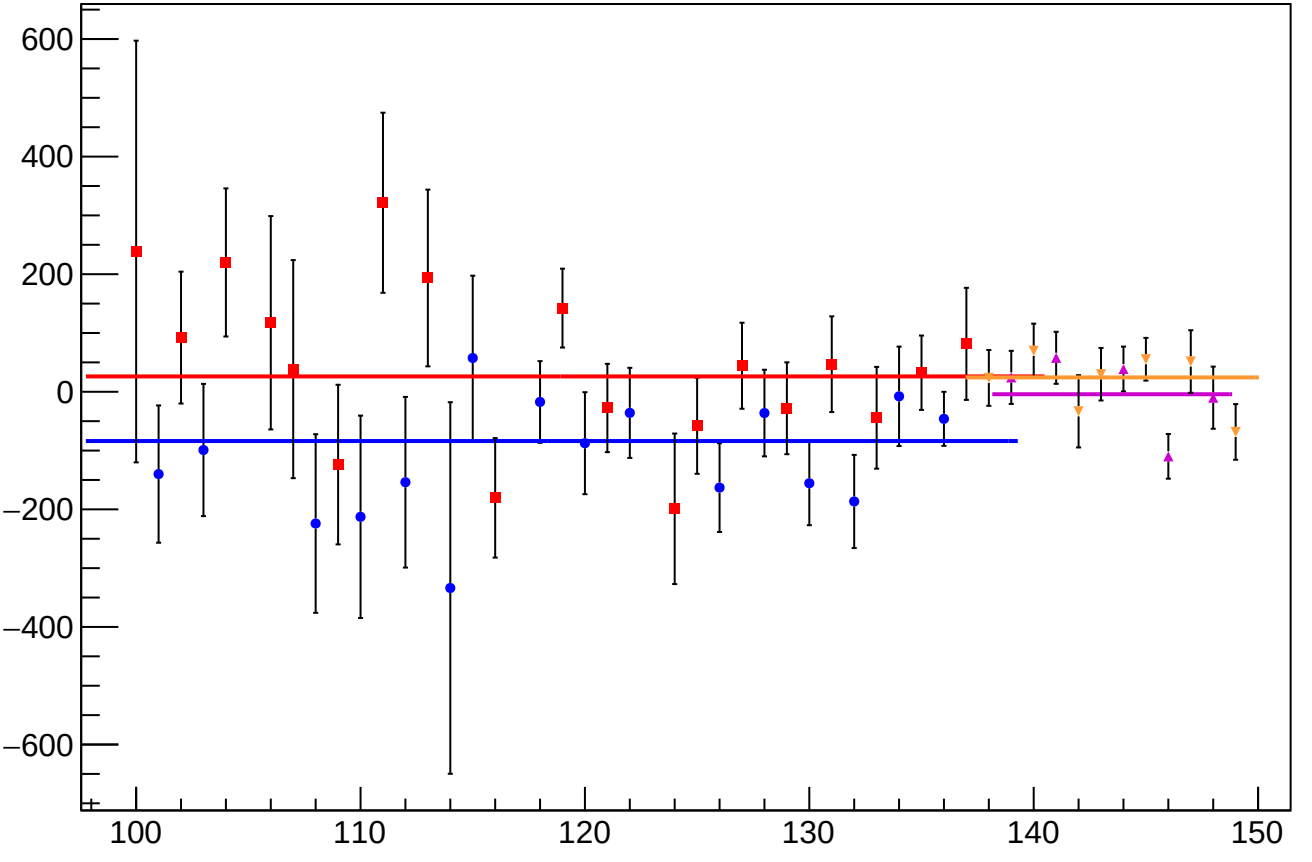
Left In: 115.279+/-0.040 χ^2/NDF:345405.0/4

\+ sign 144.585+/-0.033 χ^2/NDF: 5547616.9/22

All: 144.684+/-0.024 χ^2/NDF: 11552720.6/46

\- 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: 24.414+/-17.579 χ^2/NDF:6.7/6

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

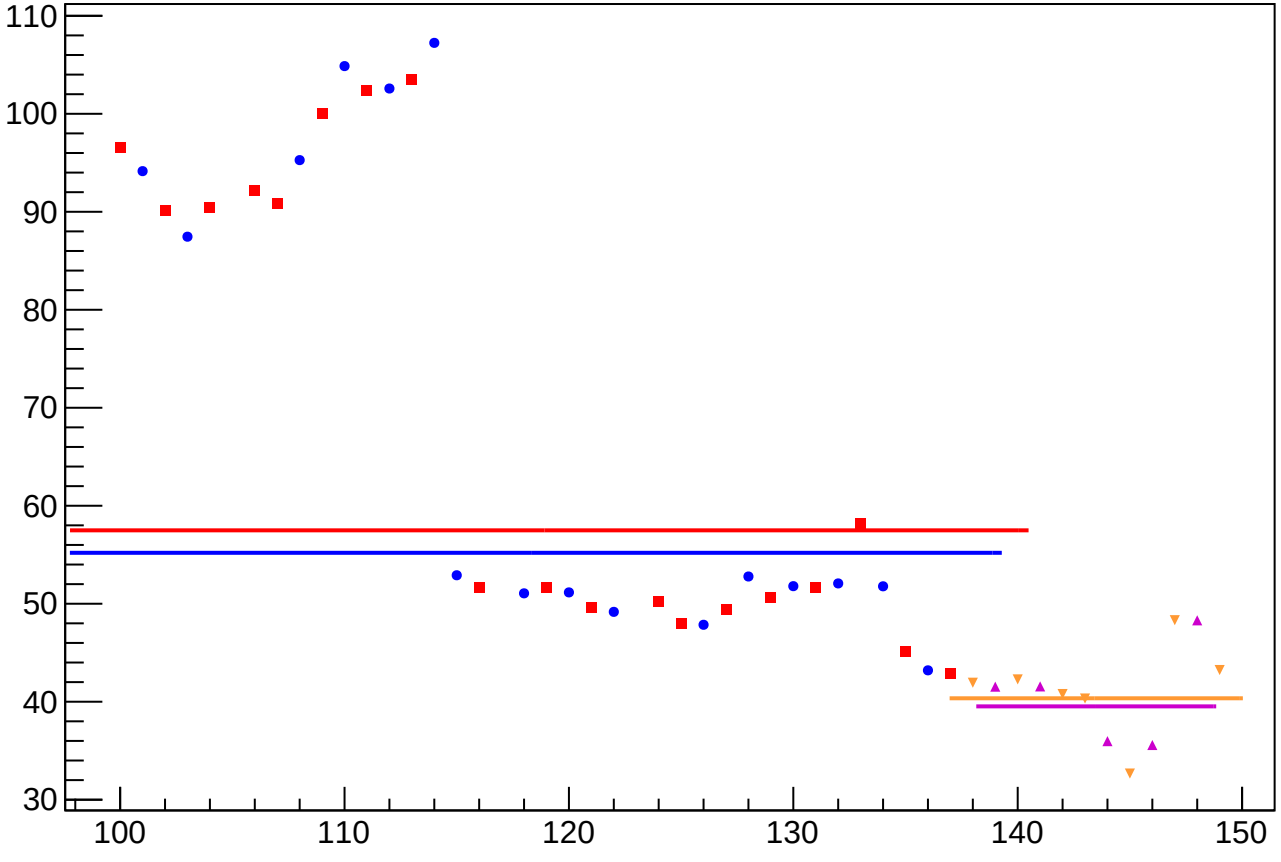
Left In: -4.190+/-19.103 χ^2/NDF:11.4/4

+ sign -19.103+/-13.592 χ^2/NDF: 32.5/22

All: -5.997+/-9.898 χ^2/NDF: 69.8/46

- 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: 40.350+/-0.012 χ^2/NDF:147596.3/6

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

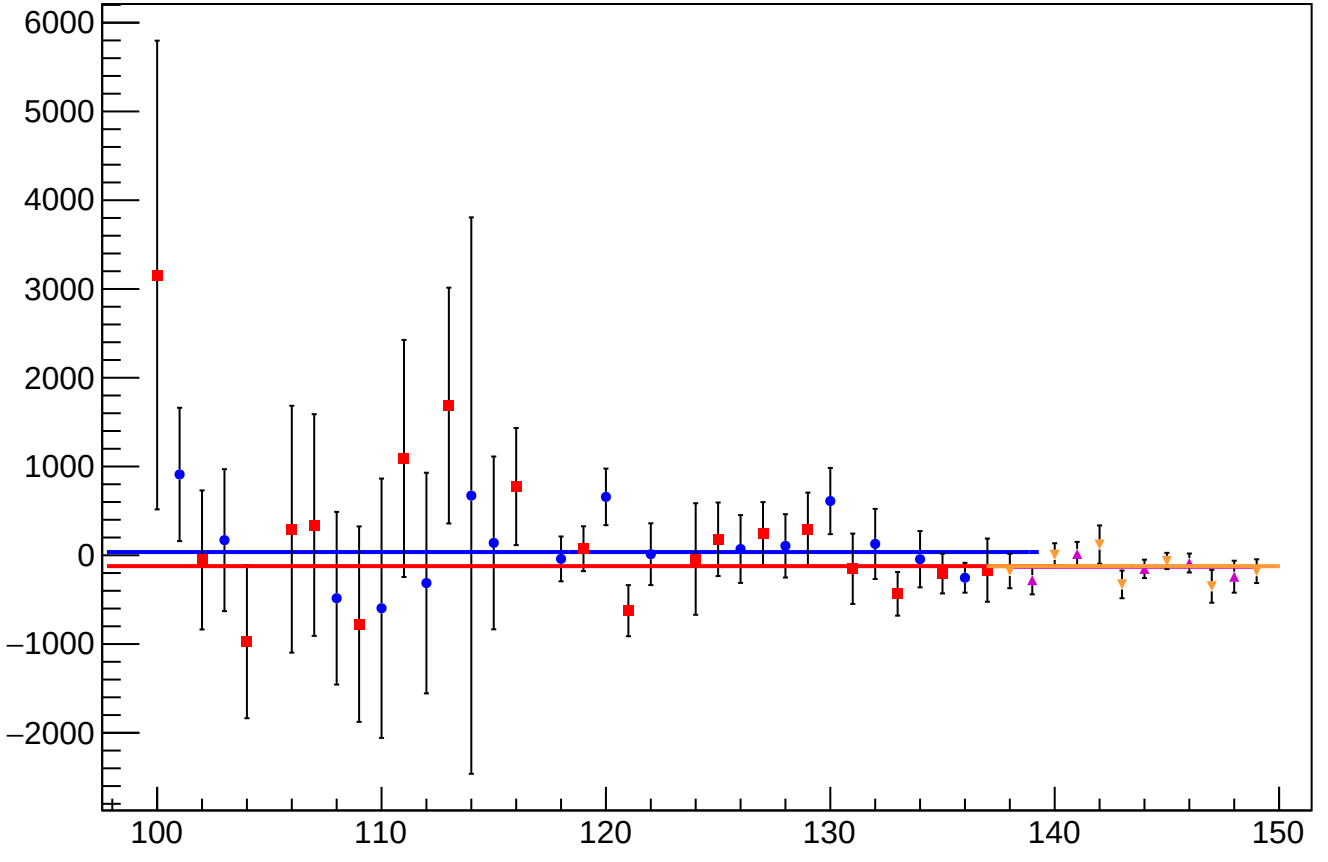
Left In: 39.525+/-0.014 χ^2/NDF:102281.1/4

+ sign 46.321+/-0.010 χ^2/NDF: 1873917.6/22

All: 46.743+/-0.007 χ^2/NDF: 4012330.2/46

- 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: -122.483+/-53.256 χ^2/NDF:6.1/6

Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

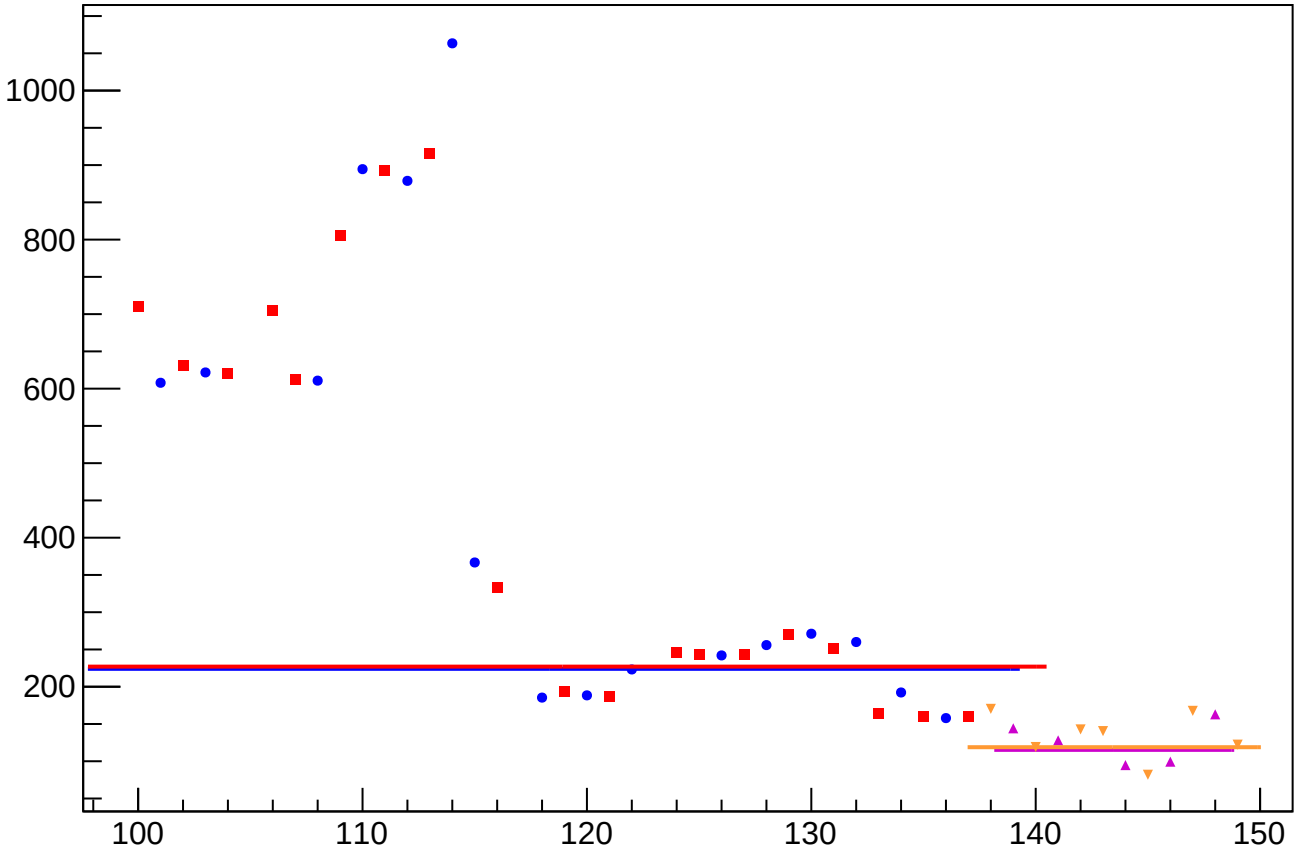
Left In: -129.806+/-57.269 χ^2/NDF:2.6/4

\+ sign -83.622+/-46.283 χ^2/NDF: 19.7/22

All: -104.392+/-33.700 χ^2/NDF: 38.4/46

\- sign -127.829+/-49.164 χ^2/NDF: 18.2/23

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 118.842+/-0.038 χ^2/NDF:669842.2/6

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

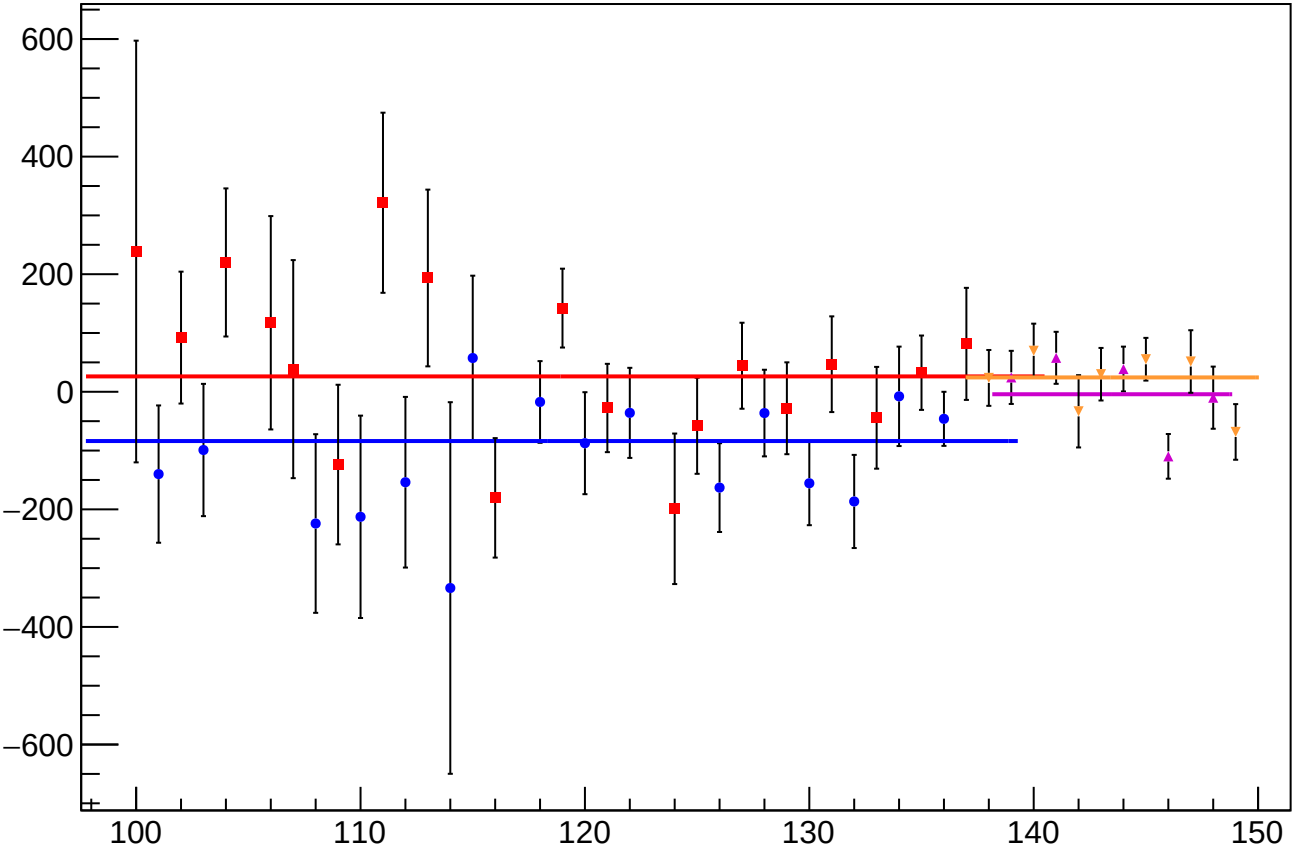
Left In: 115.279+/-0.040 χ^2/NDF:345403.4/4

+ sign 144.585+/-0.033 χ^2/NDF: 5547628.4/22

All: 144.618+/-0.024 χ^2/NDF: 11465832.6/46

- 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: 24.414+/-17.579 χ^2/NDF:6.7/6

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

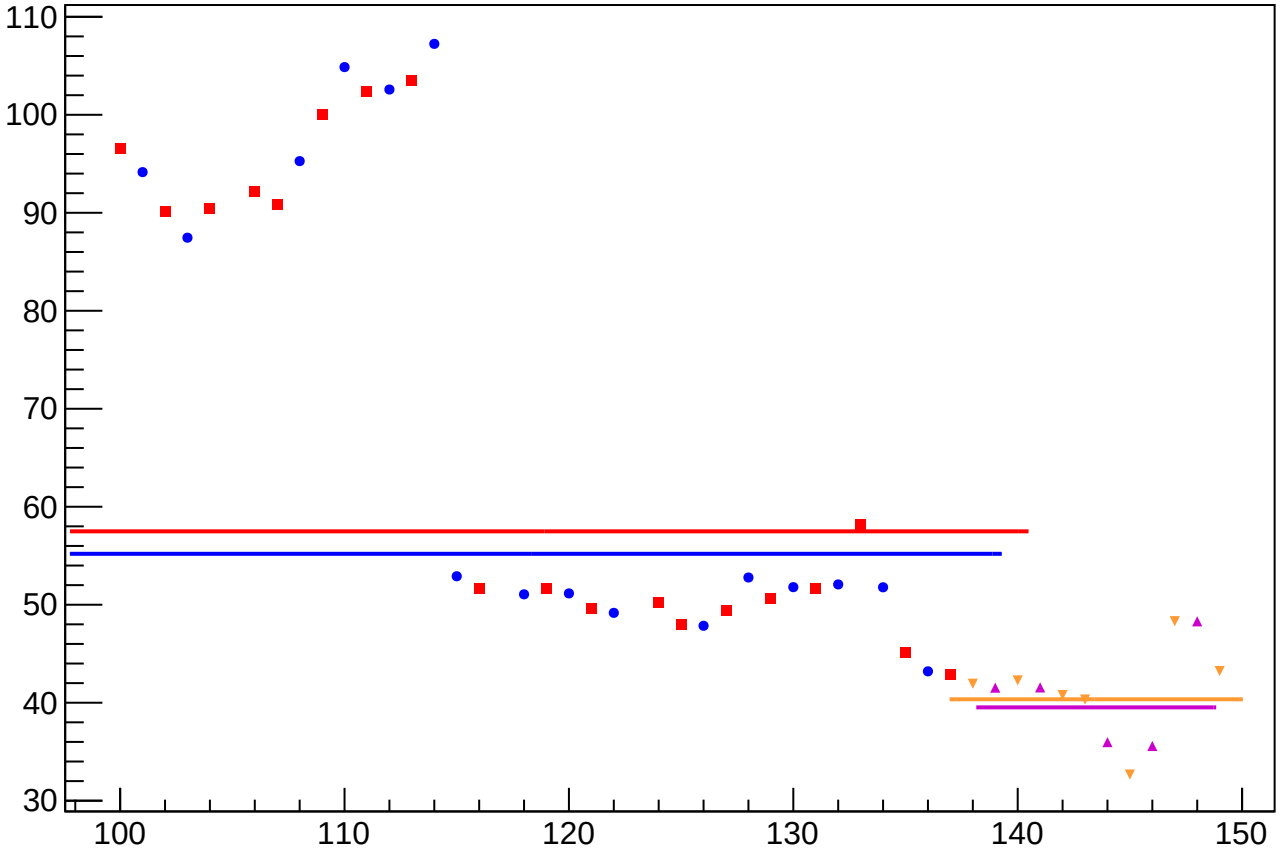
Left In: -4.190+/-19.103 χ^2/NDF:11.4/4

+ sign -19.103+/-13.592 χ^2/NDF: 32.5/22

All: -5.997+/-9.898 χ^2/NDF: 69.8/46

- 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: 40.350+/-0.012 χ^2/NDF:147596.3/6

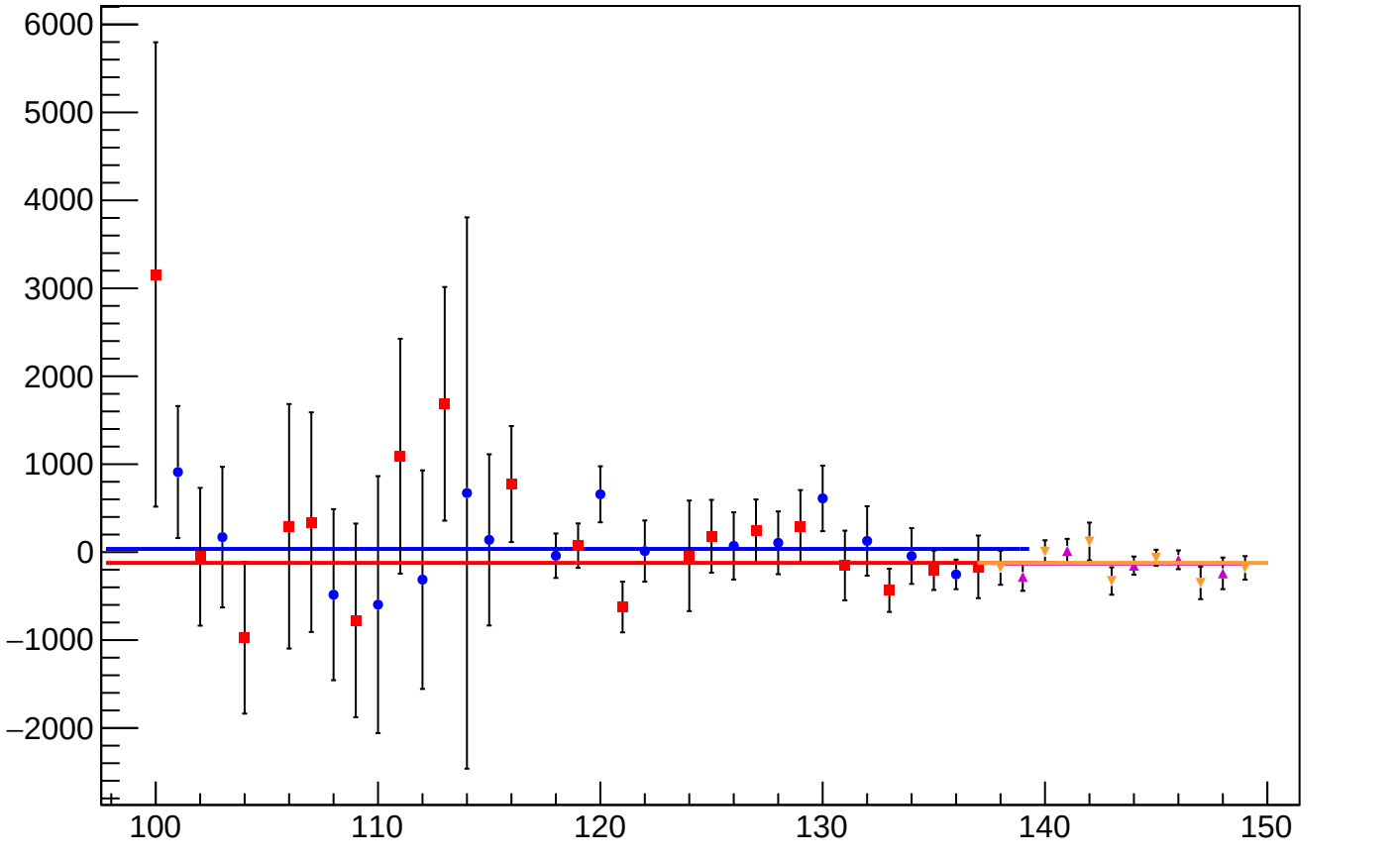
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.525+/-0.014 χ^2/NDF:102281.1/4

+ sign 46.321+/-0.010 χ^2/NDF: 1873917.6/22

All: 46.743+/-0.007 χ^2/NDF: 4012330.2/46

- 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: -122.483+/-53.256 χ^2/NDF:6.1/6

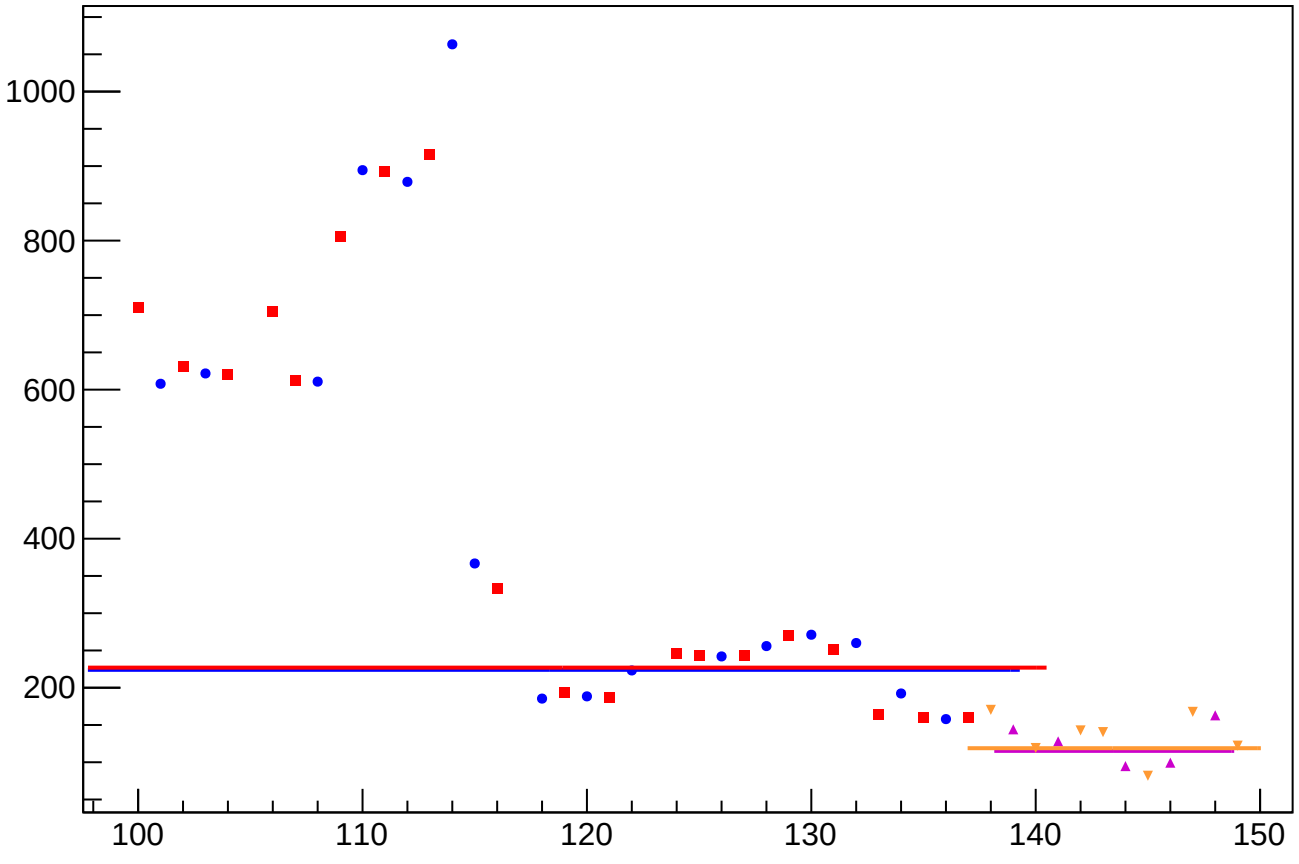
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -129.806+/-57.269 χ^2/NDF:2.6/4

\+ sign -83.622+/-46.283 χ^2/NDF: 19.7/22

All: -104.392+/-33.700 χ^2/NDF: 38.4/46

\- 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: 118.842+/-0.038 χ^2/NDF:669842.2/6

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

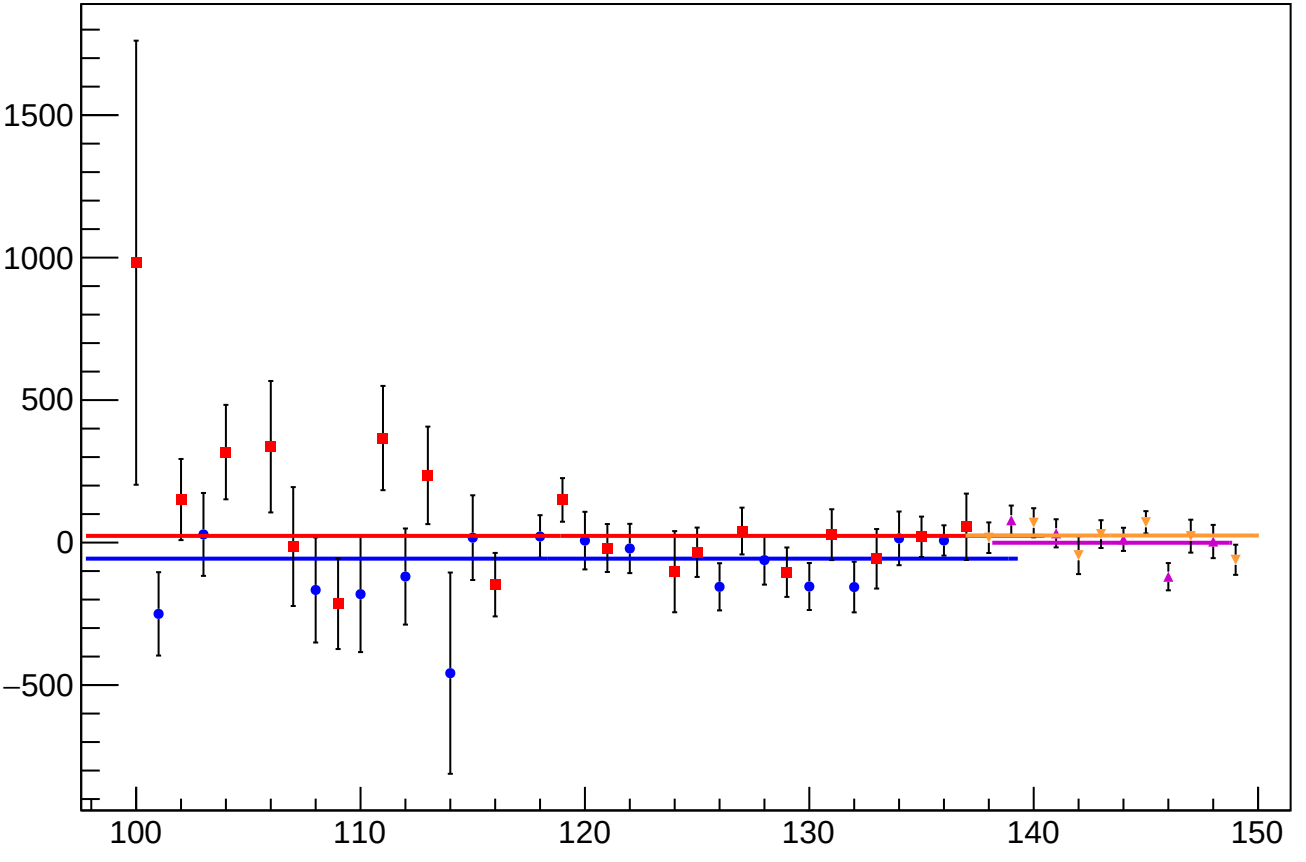
Left In: 115.279+/-0.040 χ^2/NDF:345403.4/4

+ sign 144.585+/-0.033 χ^2/NDF: 5547628.4/22

All: 144.618+/-0.024 χ^2/NDF: 11465832.6/46

- 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: 24.827+/-19.280 χ^2/NDF:5.9/6

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

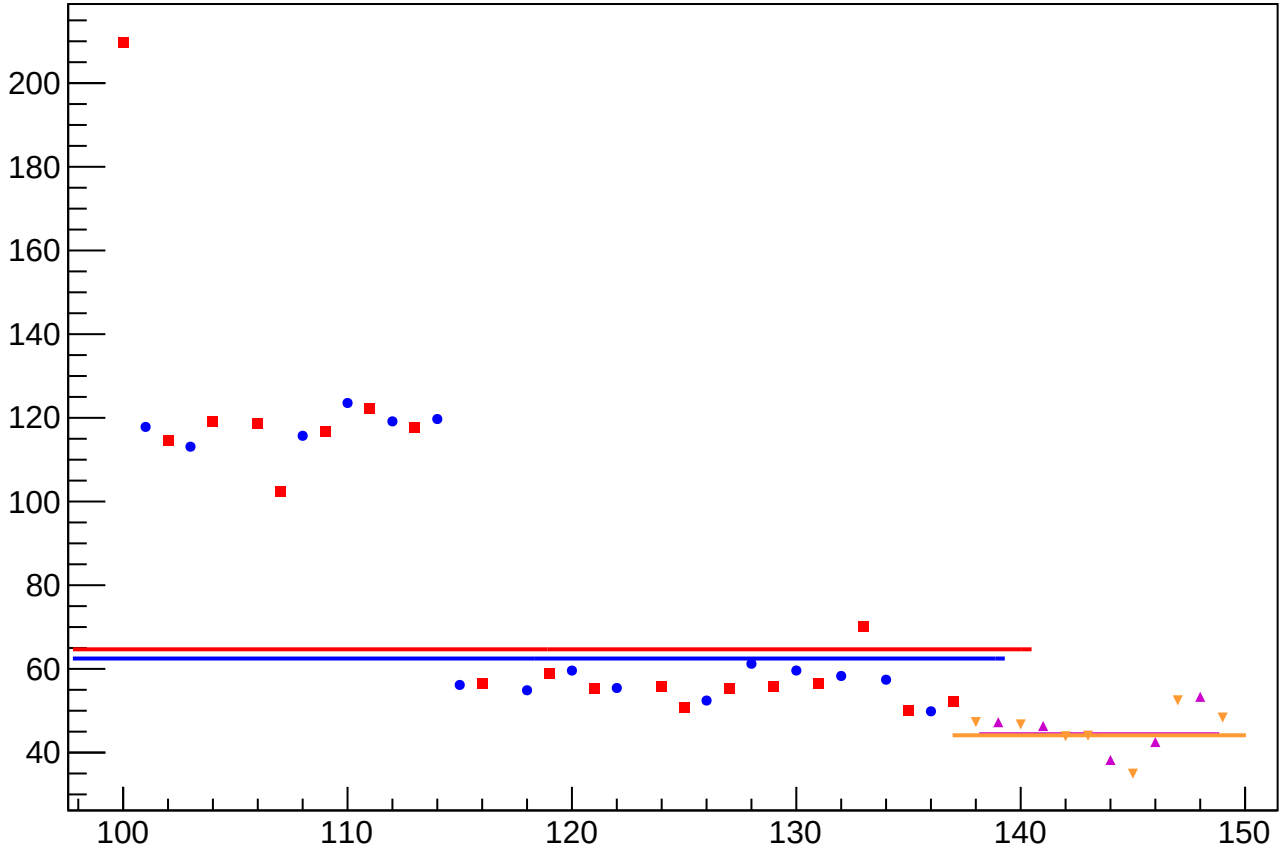
Left In: -0.612+/-21.693 χ^2/NDF:9.1/4

+ sign -6.260+/-15.149 χ^2/NDF: 24.9/22

All: 1.059+/-11.137 χ^2/NDF: 59.2/46

- 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: 44.134+/-0.014 χ^2/NDF:176983.3/6

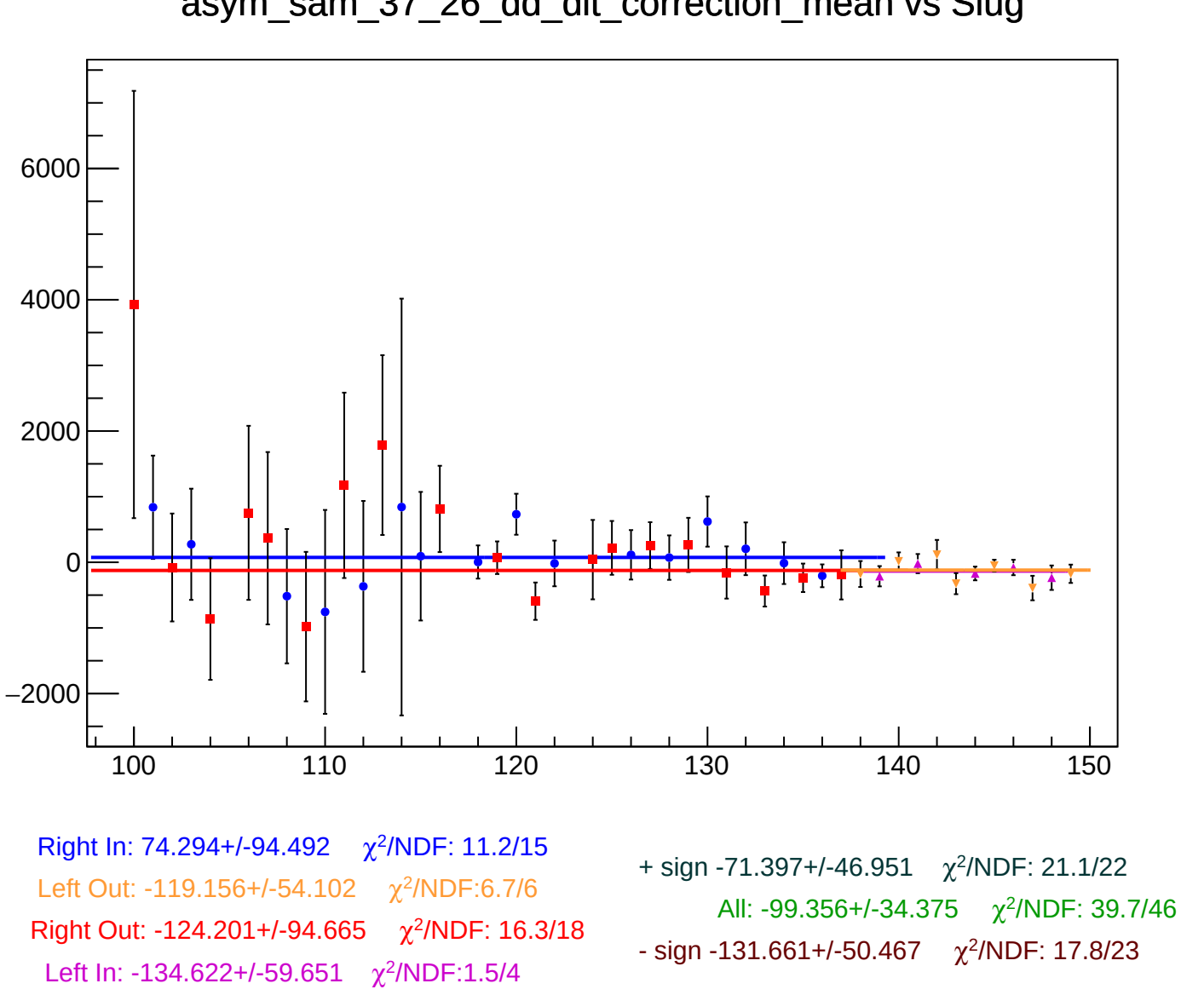
Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 44.377+/-0.015 χ^2/NDF:105436.7/4

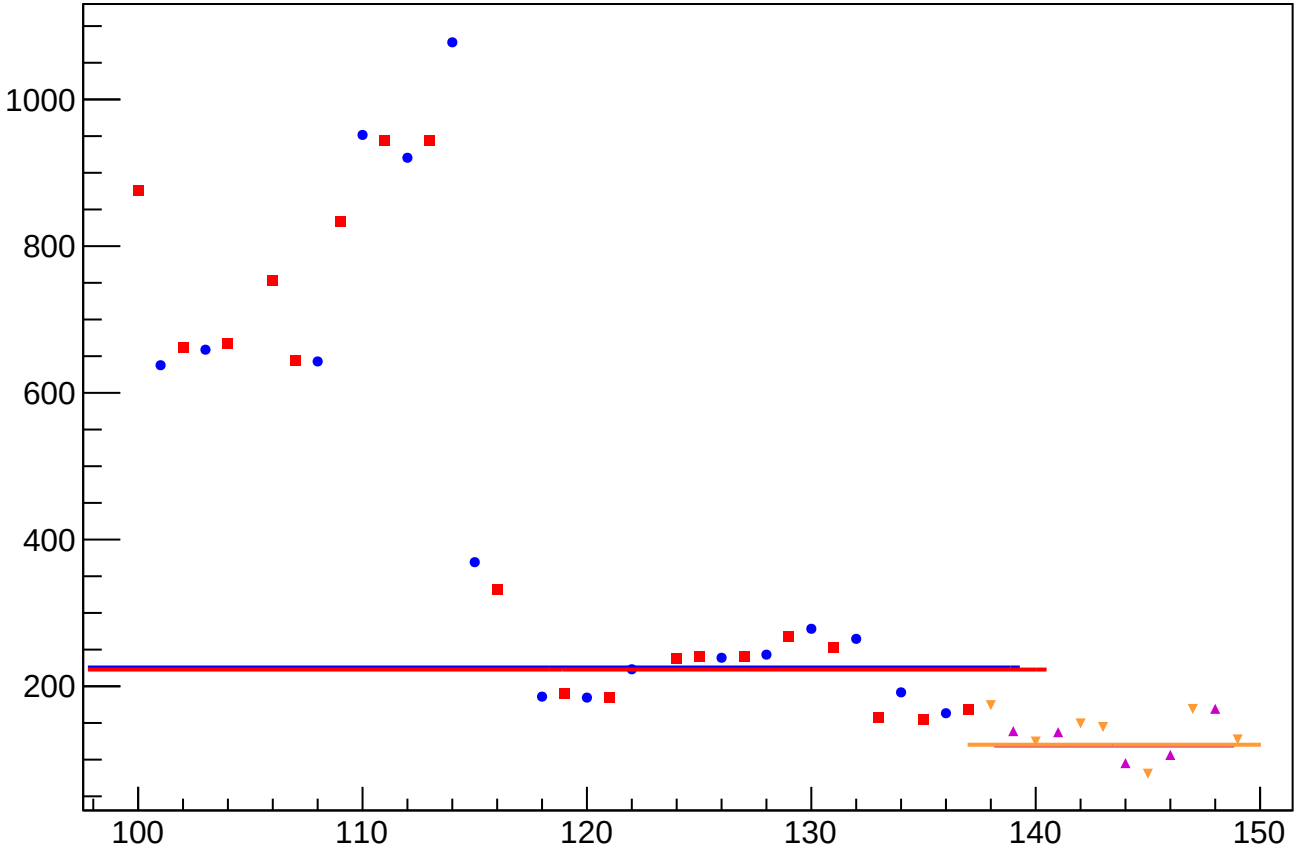
+ sign 51.152+/-0.011 χ^2/NDF: 2217716.9/22

All: 52.017+/-0.008 χ^2/NDF: 4674833.6/46

- sign 53.034+/-0.012 χ^2/NDF: 2442931.3/23


asym_sam_37_26_dd_dit_correction_mean vs Slug
6000
4000
2000
0
−2000
100
110
120
130
140
150
Right In: 74.294+/-94.492 χ²/NDF: 11.2/15
Left Out: -119.156+/-54.102 χ²/NDF:6.7/6
Right Out: -124.201+/-94.665 χ²/NDF: 16.3/18
Left In: -134.622+/-59.651 χ²/NDF:1.5/4
+ sign -71.397+/-46.951 χ²/NDF: 21.1/22
All: -99.356+/-34.375 χ²/NDF: 39.7/46
- sign -131.661+/-50.467 χ²/NDF: 17.8/23

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 120.346+/-0.038 χ^2/NDF:756607.1/6

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

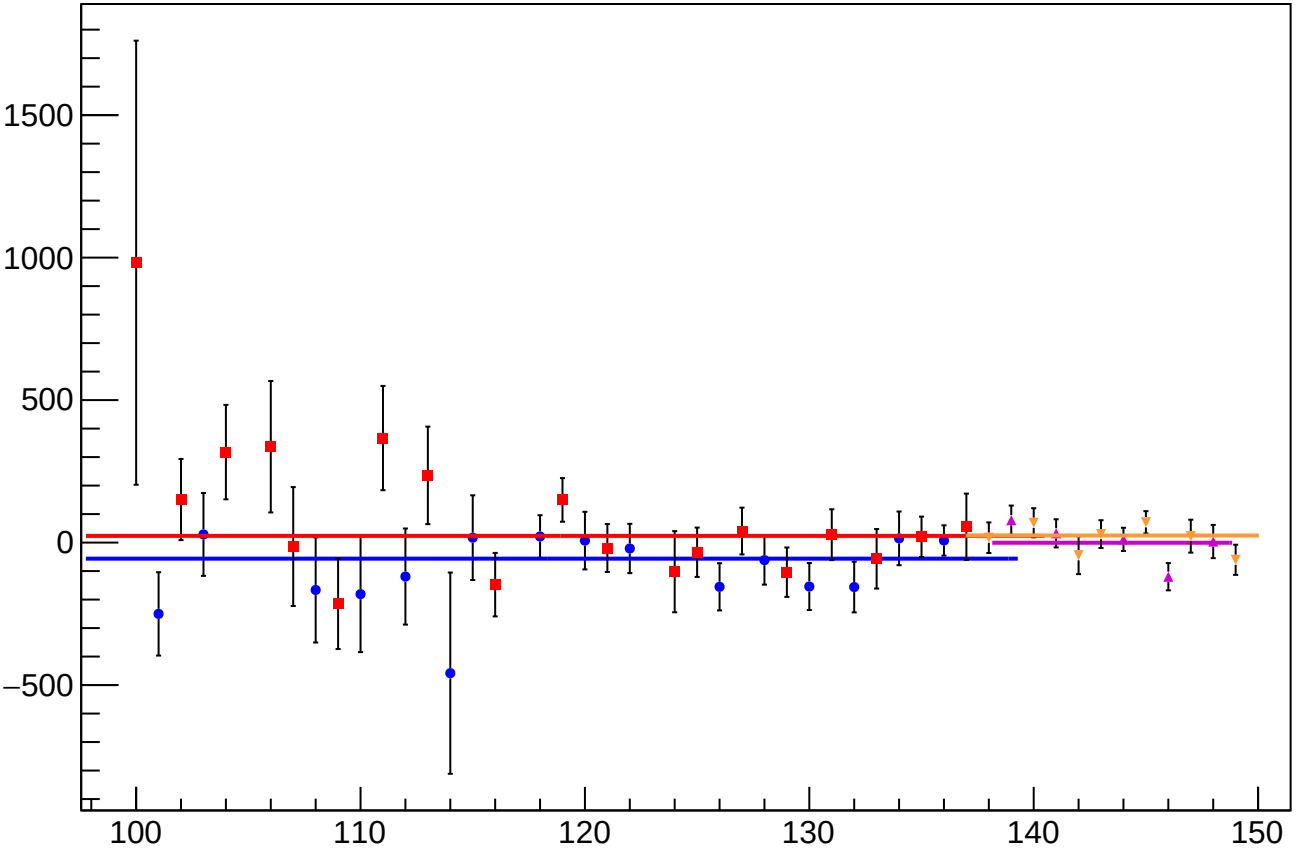
Left In: 119.249+/-0.042 χ^2/NDF:336311.2/4

+ sign 146.335+/-0.033 χ^2/NDF: 5651973.4/22

All: 147.421+/-0.024 χ^2/NDF: 11551242.0/46

- 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: 24.827+/-19.280 χ^2/NDF:5.9/6

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

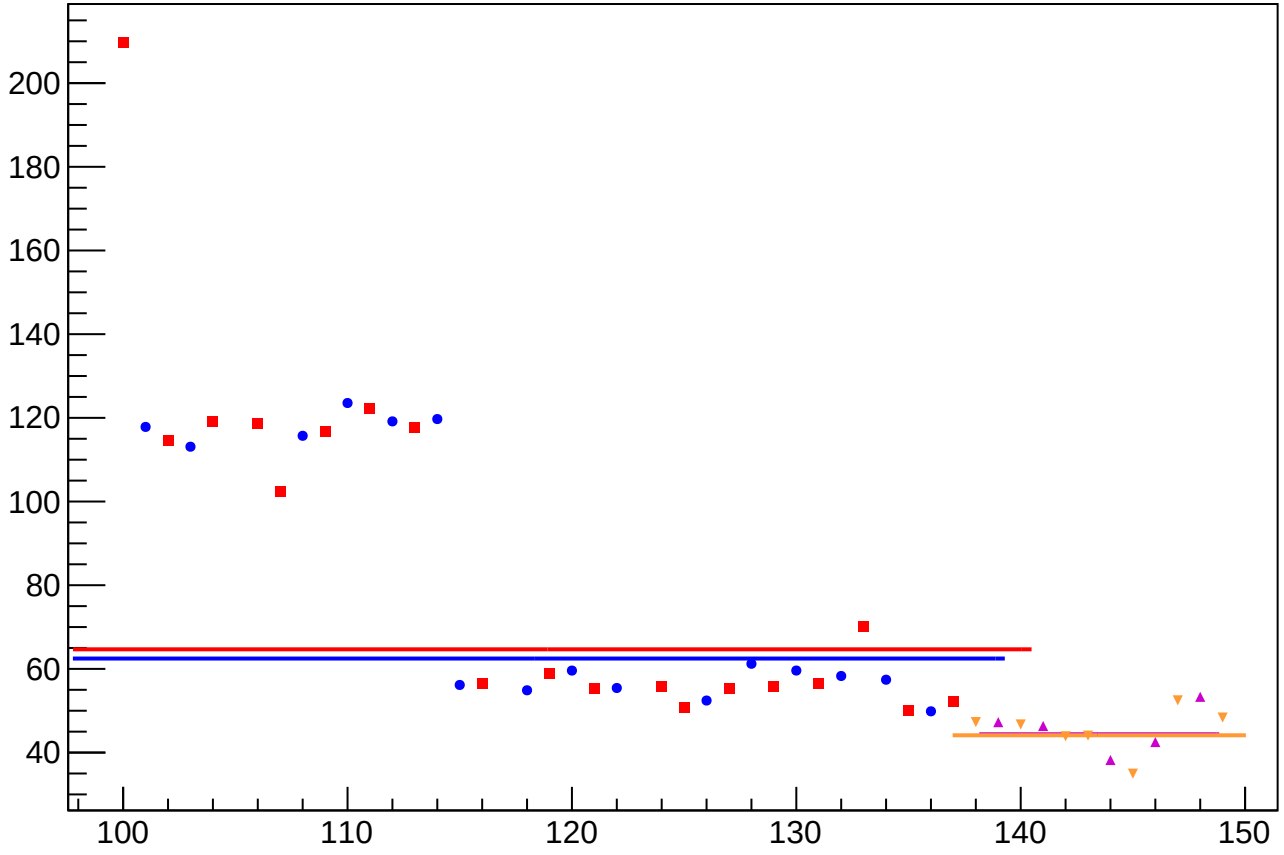
Left In: -0.613+/-21.693 χ^2/NDF:9.1/4

+ sign -6.261+/-15.149 χ^2/NDF: 24.9/22

All: 1.058+/-11.137 χ^2/NDF: 59.2/46

- 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: 44.134+/-0.014 χ^2/NDF:176985.9/6

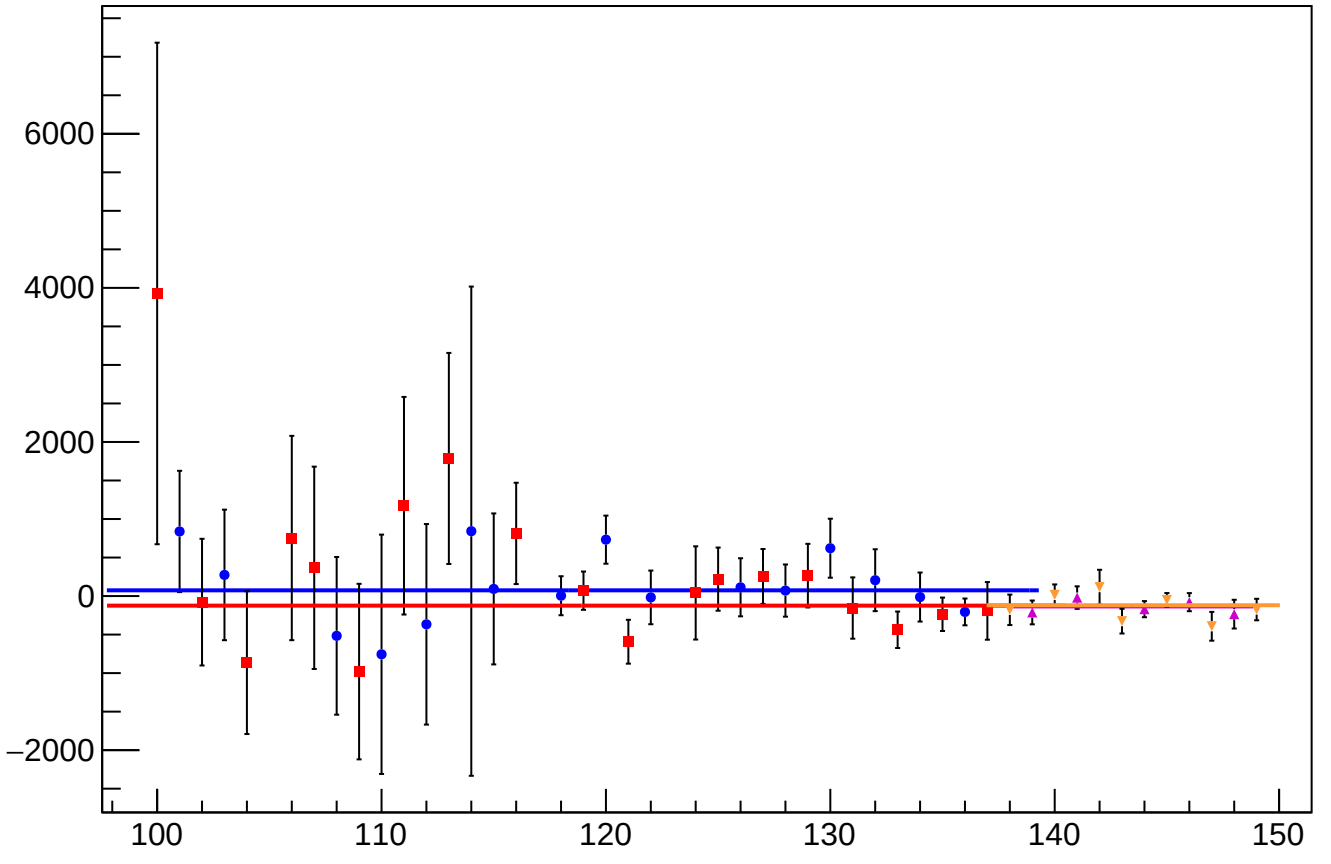
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 44.377+/-0.015 χ^2/NDF:105435.9/4

+ sign 51.152+/-0.011 χ^2/NDF: 2217662.2/22

All: 52.017+/-0.008 χ^2/NDF: 4674739.3/46

- 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: -119.156+/-54.102 χ^2/NDF:6.7/6

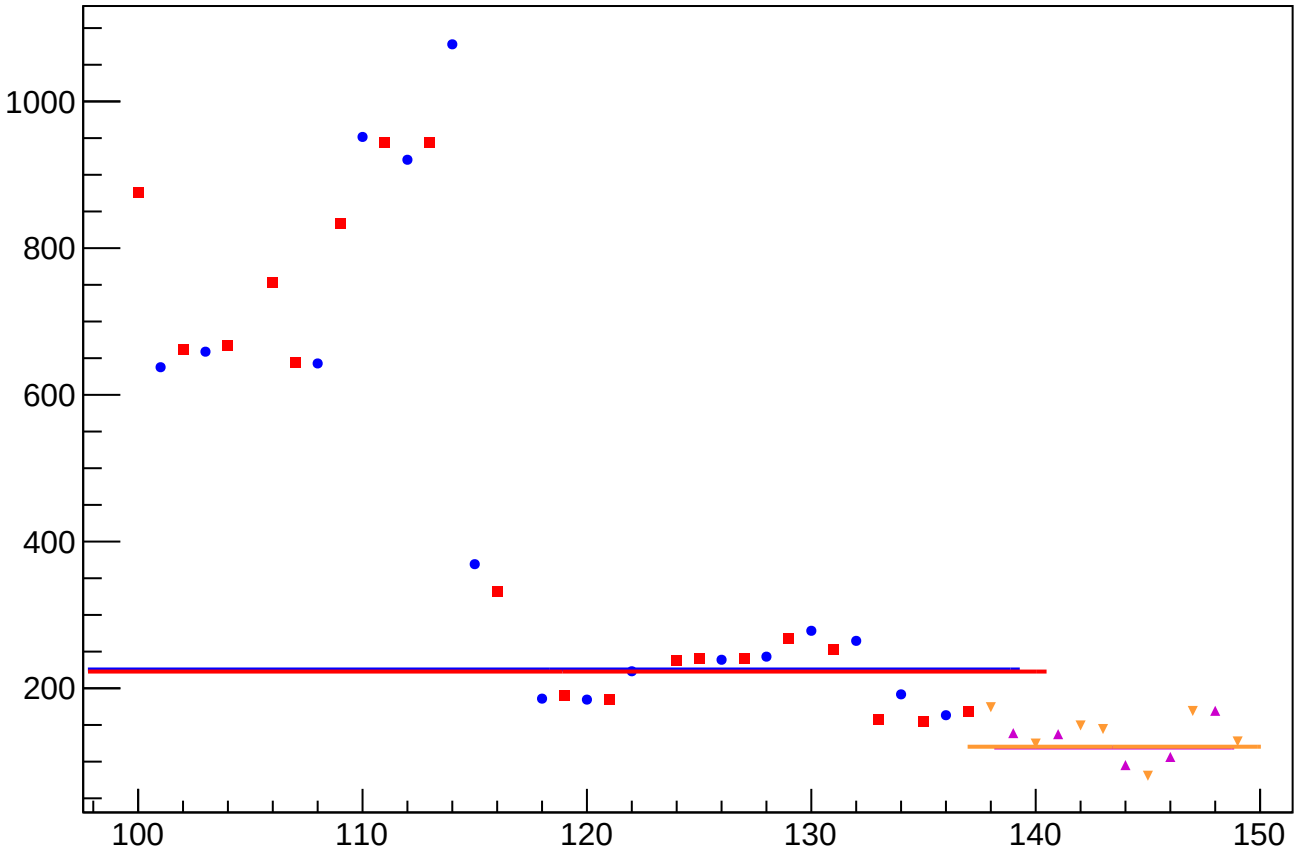
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -134.623+/-59.651 χ^2/NDF:1.5/4

\+ sign -71.396+/-46.951 χ^2/NDF: 21.1/22

All: -99.355+/-34.375 χ^2/NDF: 39.7/46

\- 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: 120.347+/-0.038 χ^2/NDF:756616.3/6

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

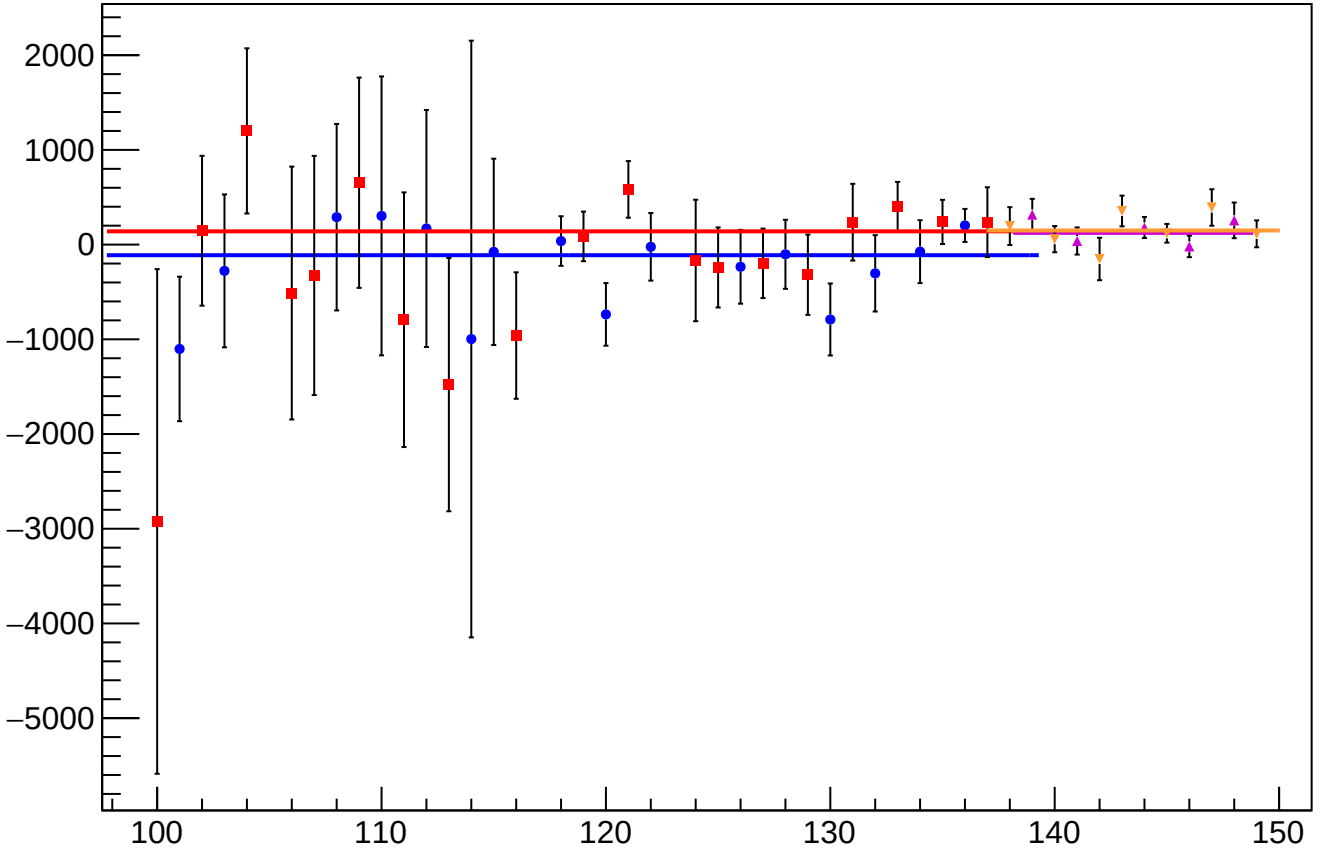
Left In: 119.249+/-0.042 χ^2/NDF:336319.5/4

+ sign 146.336+/-0.033 χ^2/NDF: 5651948.3/22

All: 147.421+/-0.024 χ^2/NDF: 11551208.7/46

- sign 148.675+/-0.036 χ^2/NDF: 5896956.6/23

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 148.988+/-56.396 χ^2/NDF:5.7/6

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

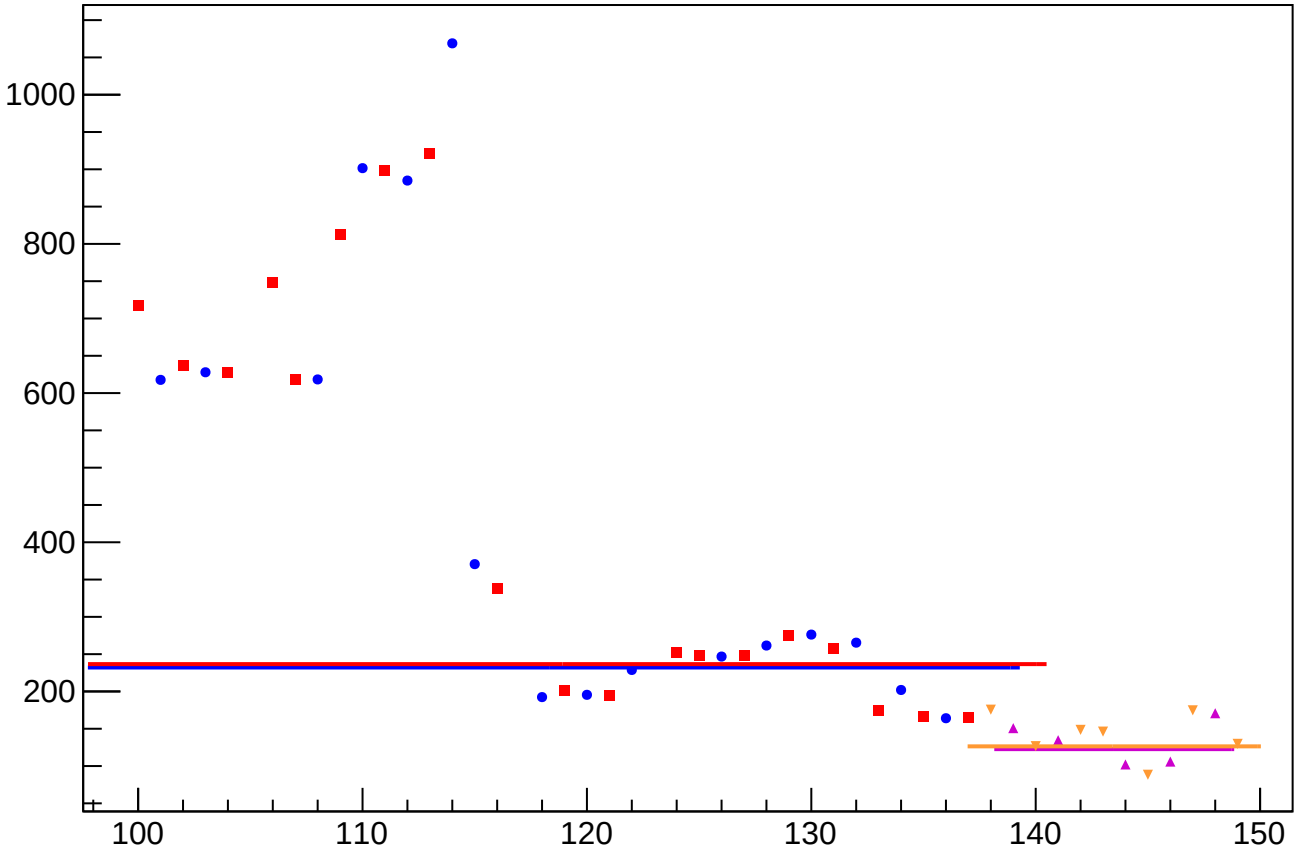
Left In: 123.996+/-60.706 χ^2/NDF:4.0/4

+ sign 82.617+/-48.697 χ^2/NDF: 23.9/22

All: 104.084+/-35.473 χ^2/NDF: 43.1/46

- 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: 126.385+/-0.040 χ^2/NDF:594532.6/6

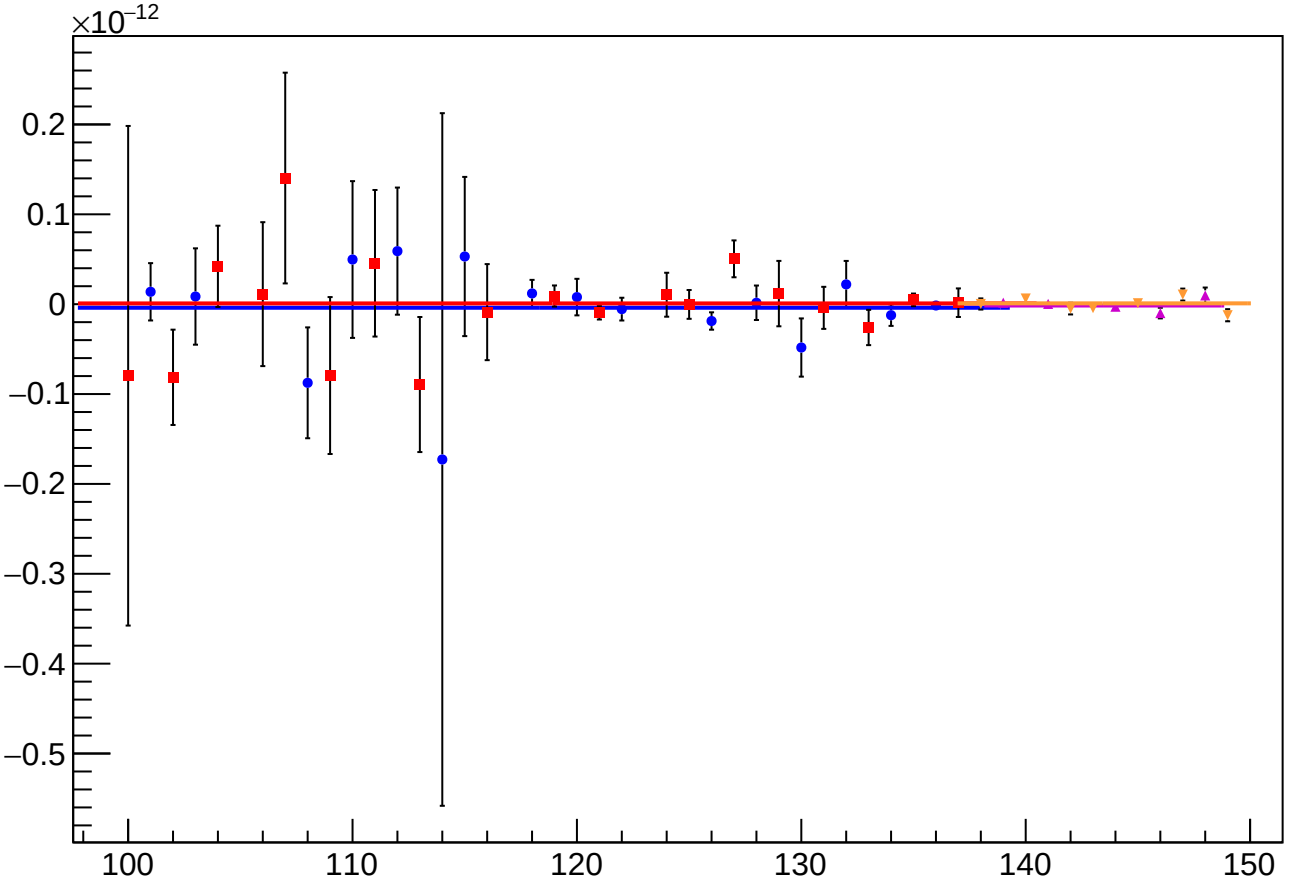
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 122.678+/-0.043 χ^2/NDF:313159.6/4

+ sign 153.280+/-0.034 χ^2/NDF: 5267998.9/22

All: 153.496+/-0.025 χ^2/NDF: 11023617.5/46

- 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:10.1/6

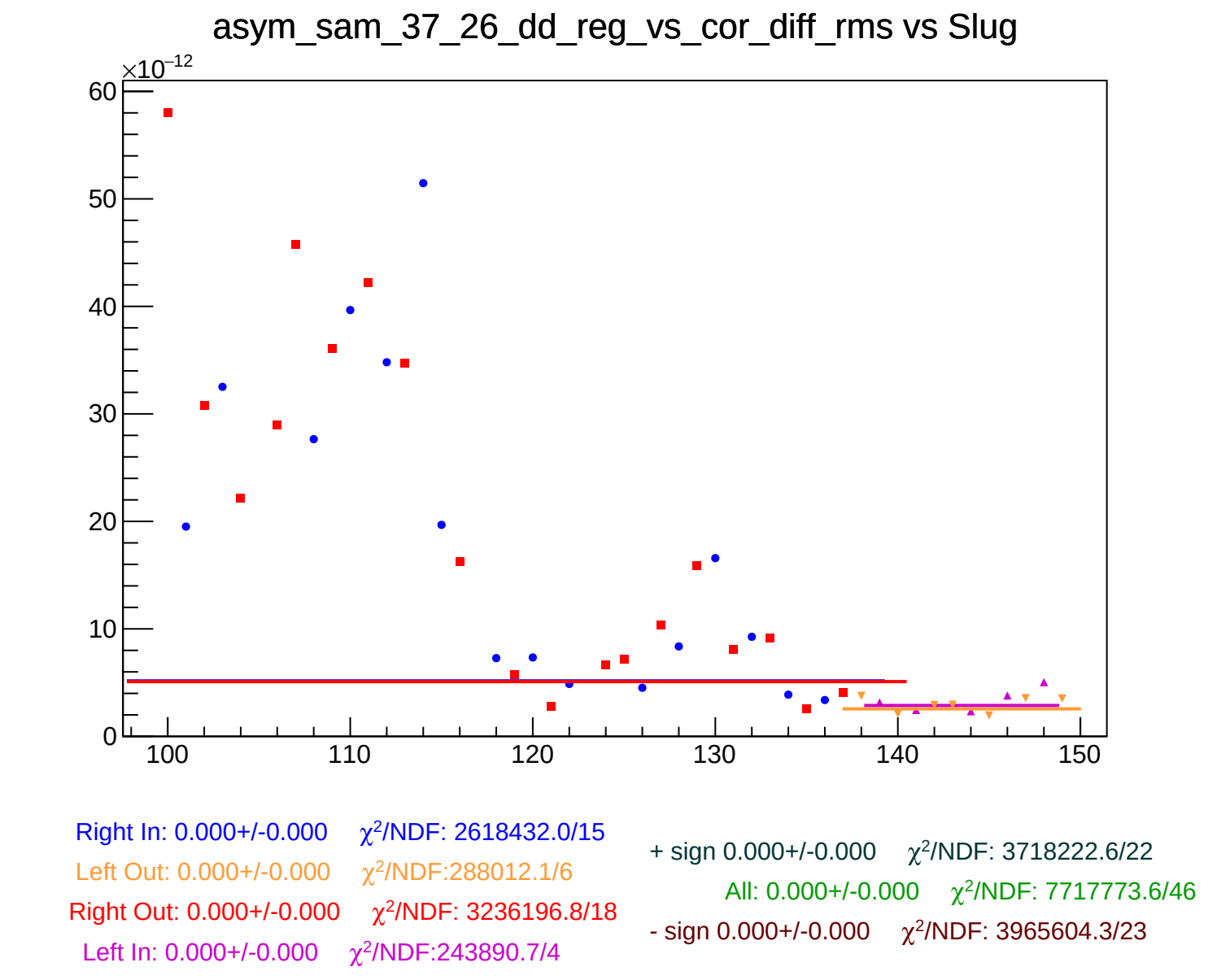
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/4

+ sign -0.000+/-0.000 χ^2/NDF: 23.0/22

All: -0.000+/-0.000 χ^2/NDF: 45.8/46

- sign -0.000+/-0.000 χ^2/NDF: 22.7/23


asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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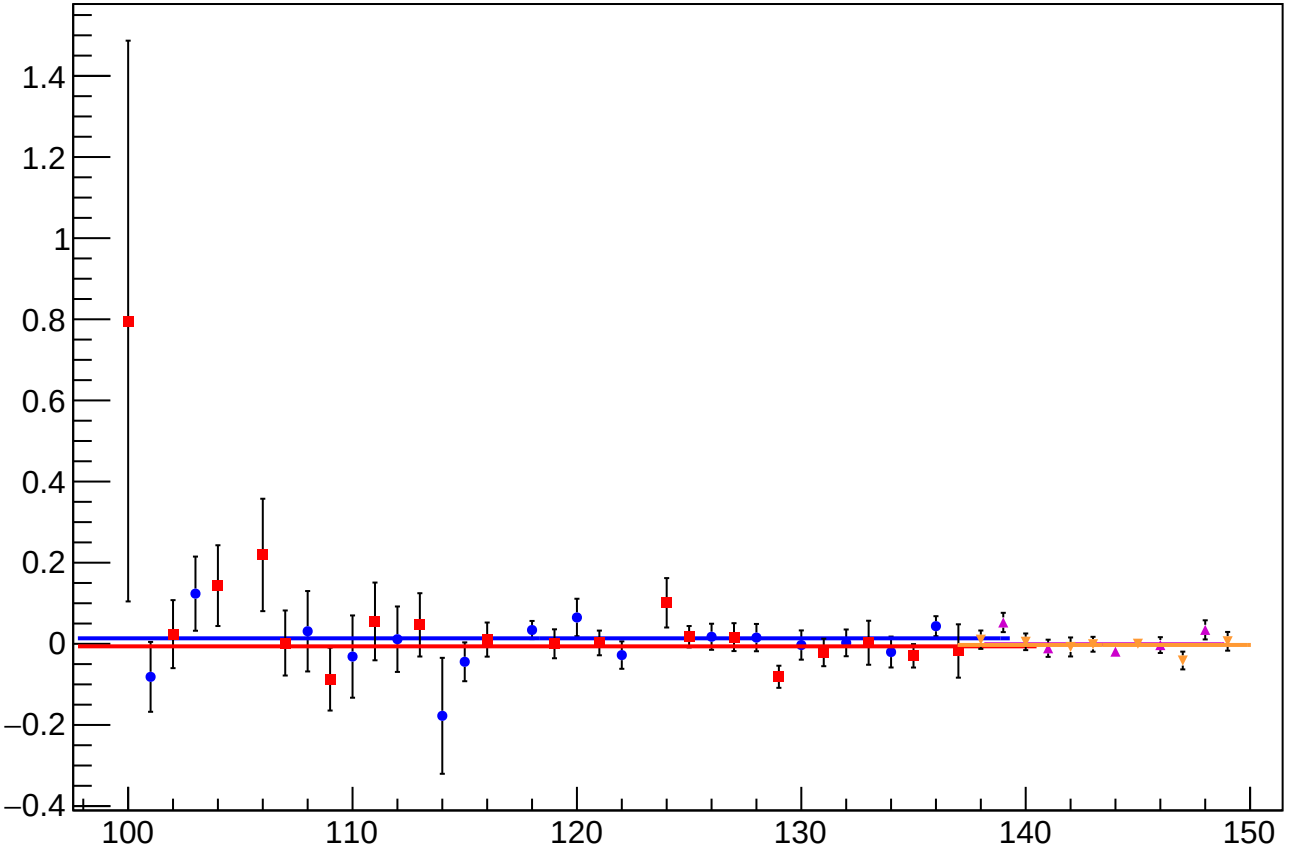
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2618432.0/15
Left Out: 0.000+/-0.000 χ²/NDF:288012.1/6
Right Out: 0.000+/-0.000 χ²/NDF: 3236196.8/18
Left In: 0.000+/-0.000 χ²/NDF:243890.7/4
+ sign 0.000+/-0.000 χ²/NDF: 3718222.6/22
All: 0.000+/-0.000 χ²/NDF: 7717773.6/46
- sign 0.000+/-0.000 χ²/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: -0.003+/-0.007 χ^2/NDF:3.8/6

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

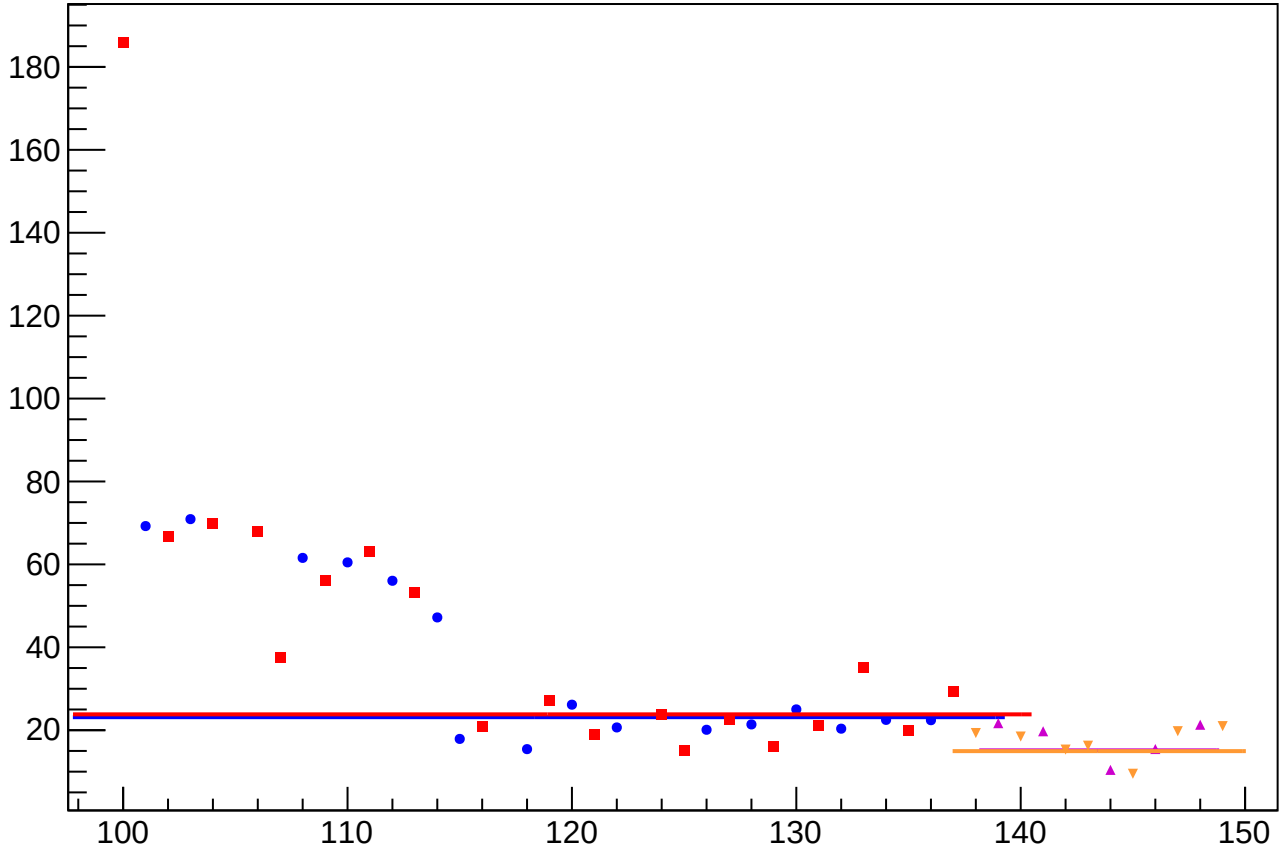
Left In: -0.001+/-0.008 χ^2/NDF:10.0/4

+ sign 0.003+/-0.006 χ^2/NDF: 18.0/22

All: 0.000+/-0.004 χ^2/NDF: 50.0/46

- 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: 14.954+/-0.005 χ^2/NDF:843180.8/6

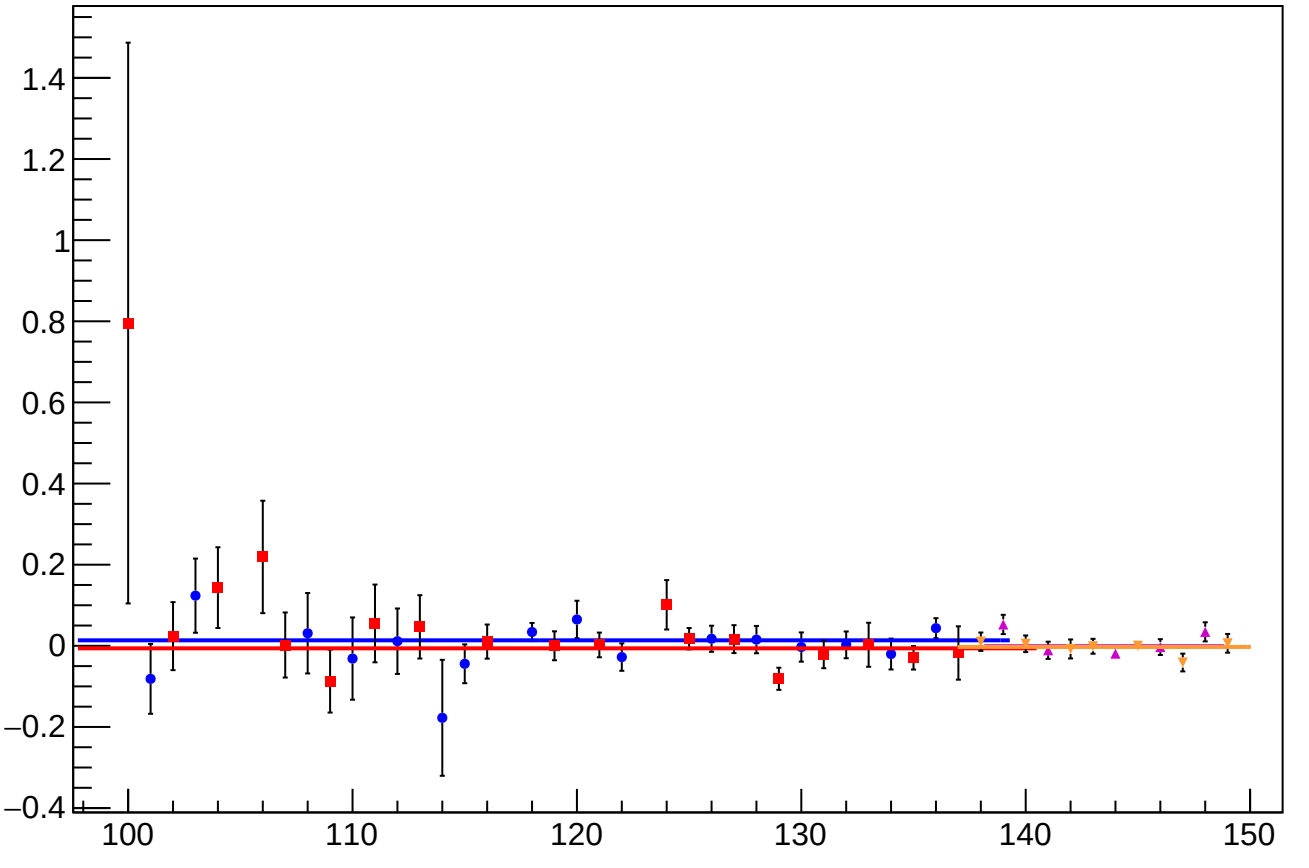
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.140+/-0.006 χ^2/NDF:703294.3/4

\+ sign 17.659+/-0.004 χ^2/NDF: 4176499.7/22

All: 18.038+/-0.003 χ^2/NDF: 8710865.7/46

\- 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: -0.003+/-0.007 χ^2/NDF:3.8/6

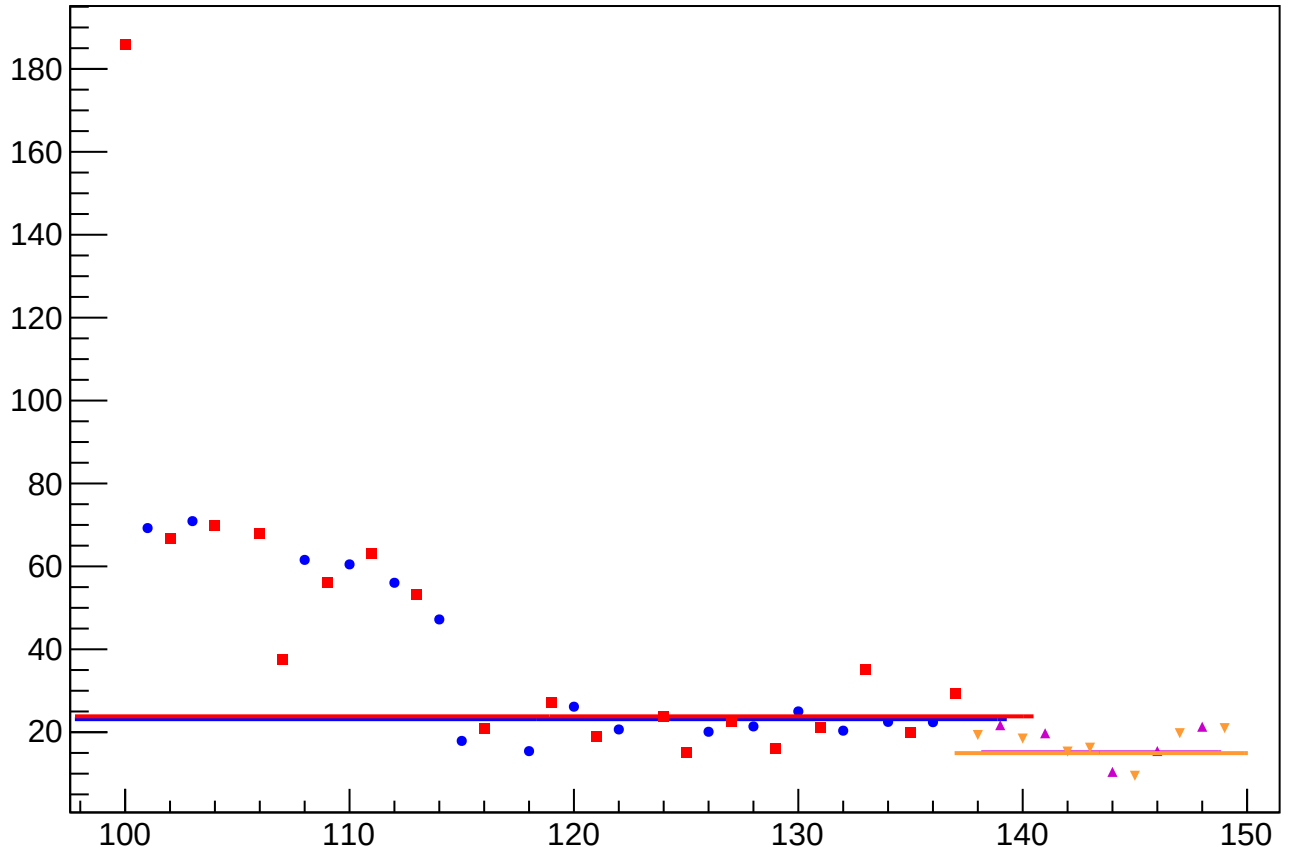
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.008 χ^2/NDF:10.0/4

+ sign 0.003+/-0.006 χ^2/NDF: 18.0/22

All: 0.000+/-0.004 χ^2/NDF: 50.0/46

- 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: 14.954+/-0.005 χ^2/NDF:843180.8/6

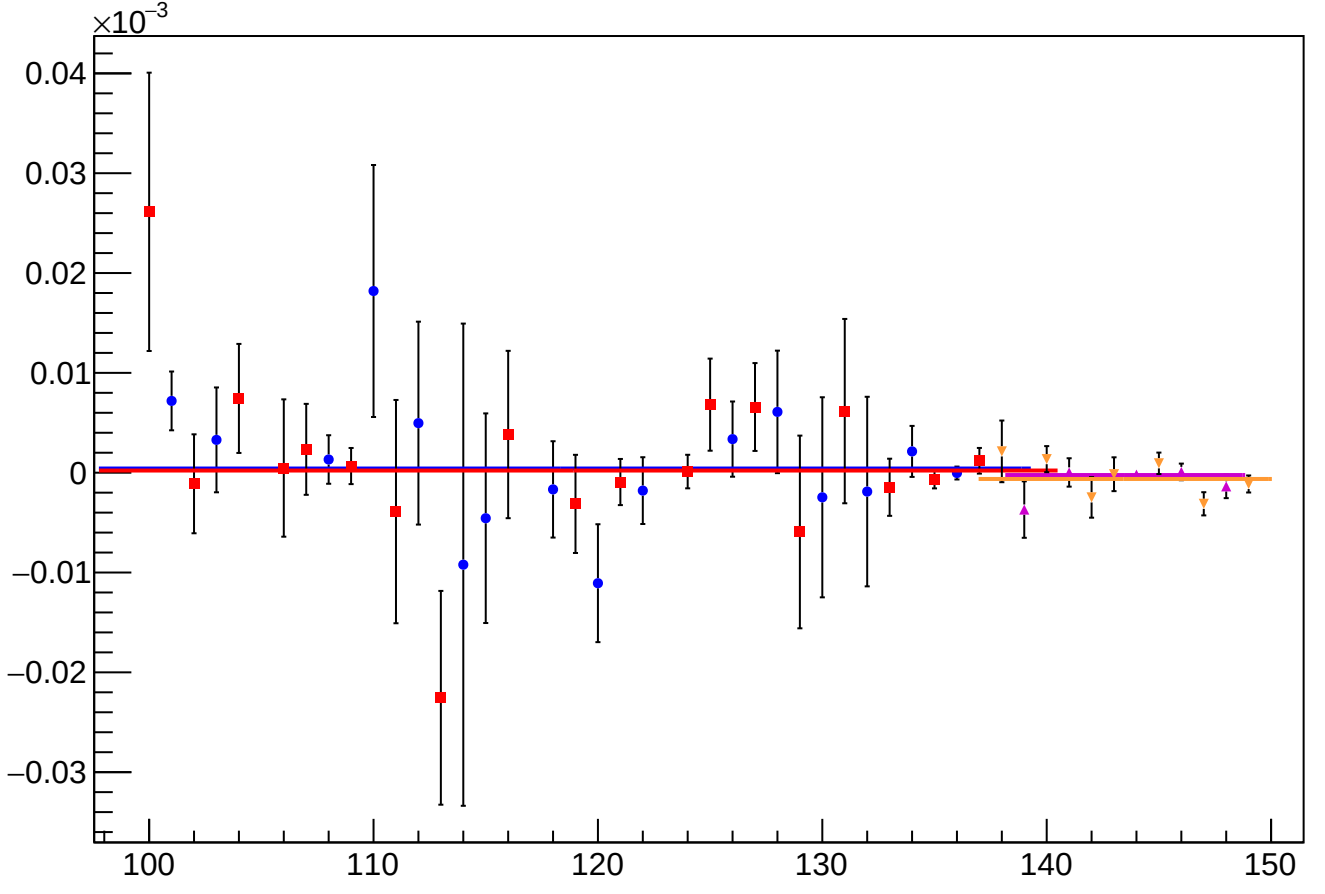
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.140+/-0.006 χ^2/NDF:703294.3/4

\+ sign 17.659+/-0.004 χ^2/NDF: 4176499.7/22

All: 18.038+/-0.003 χ^2/NDF: 8710865.7/46

\- 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:11.1/6

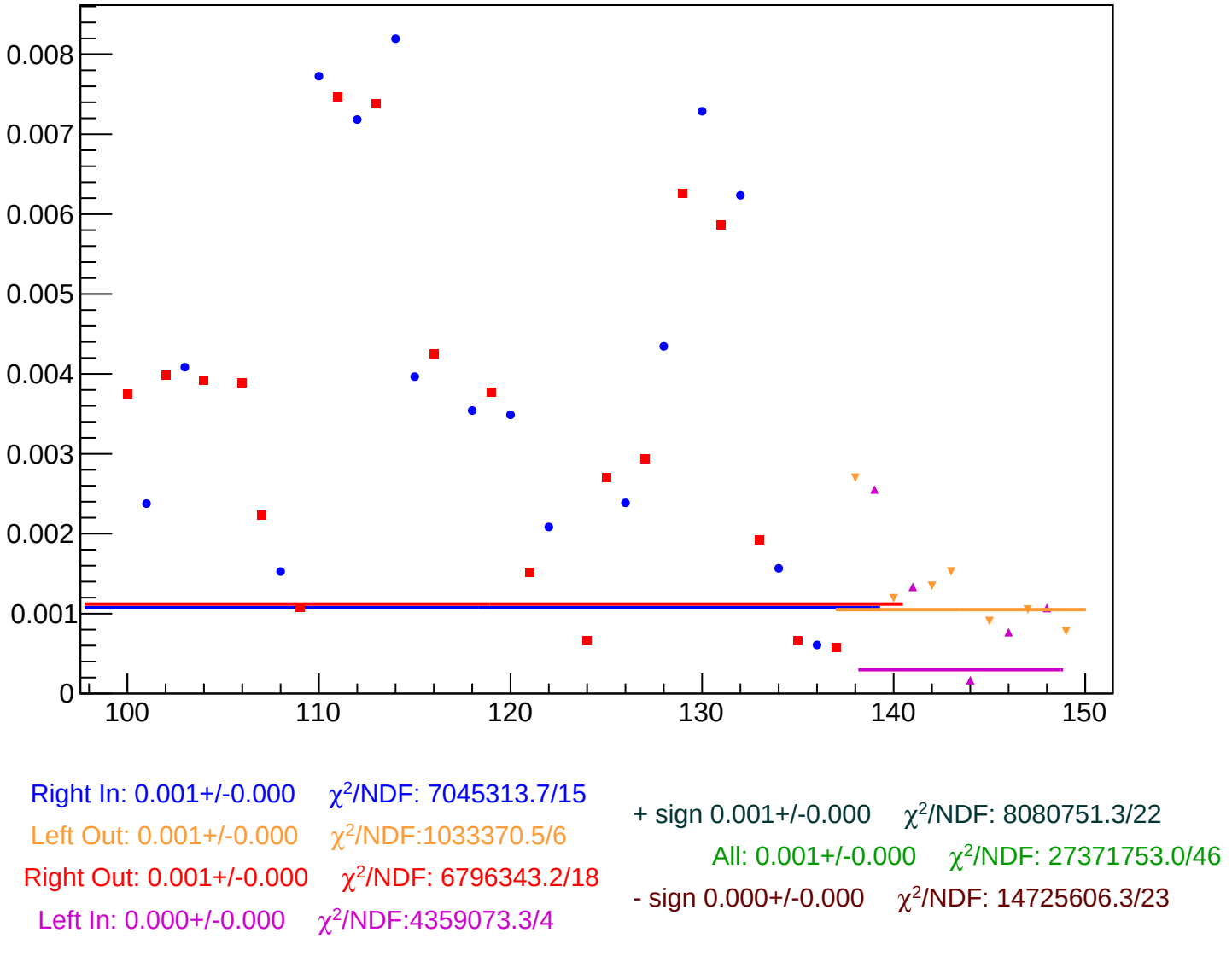
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/4

+ sign -0.000+/-0.000 χ^2/NDF: 28.3/22

All: -0.000+/-0.000 χ^2/NDF: 49.4/46

- 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
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100
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120
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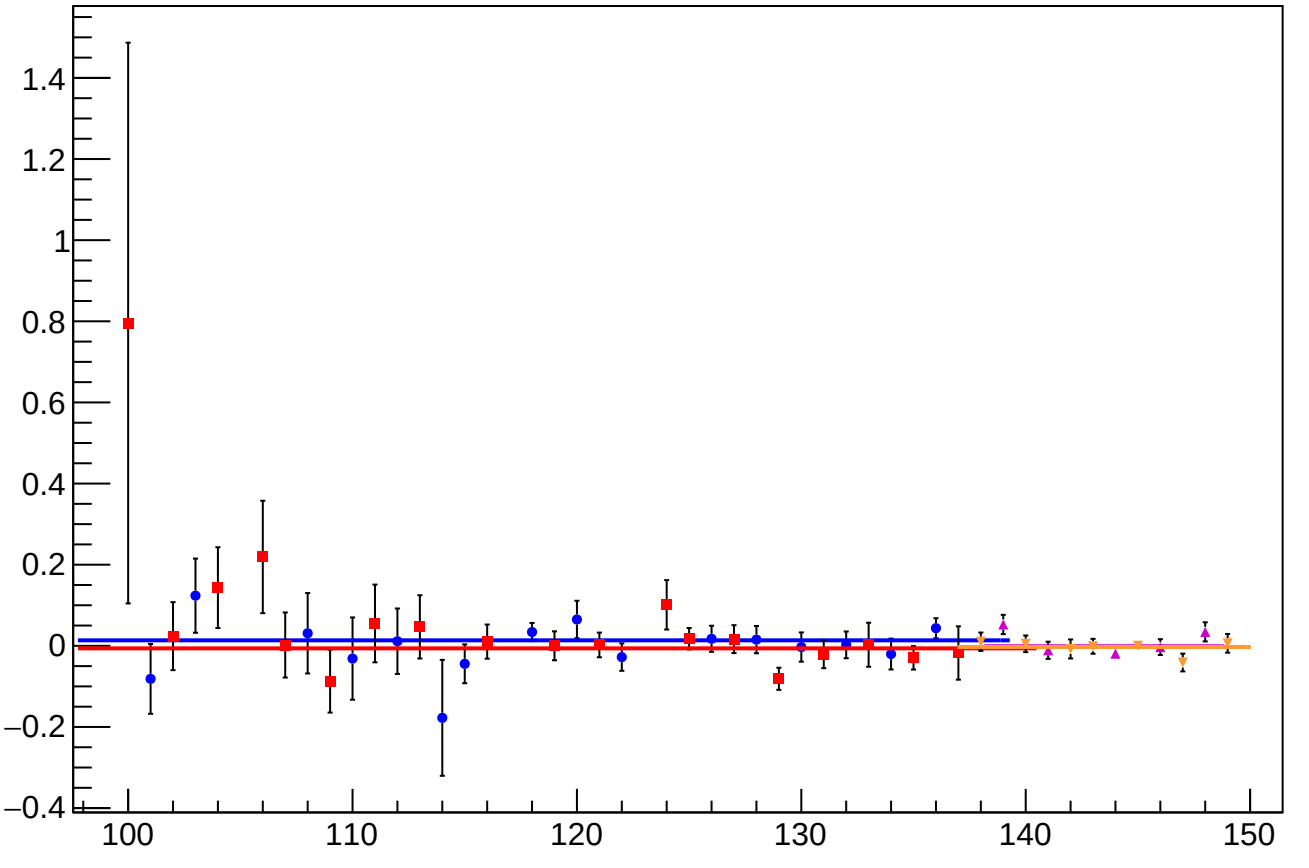
140
150
Right In: 0.001+/-0.000 χ²/NDF: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:1033370.5/6
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.000+/-0.000 χ²/NDF:4359073.3/4
+ sign 0.001+/-0.000 χ²/NDF: 8080751.3/22
All: 0.001+/-0.000 χ²/NDF: 27371753.0/46
- sign 0.000+/-0.000 χ²/NDF: 14725606.3/23



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.007 χ^2/NDF:3.8/6

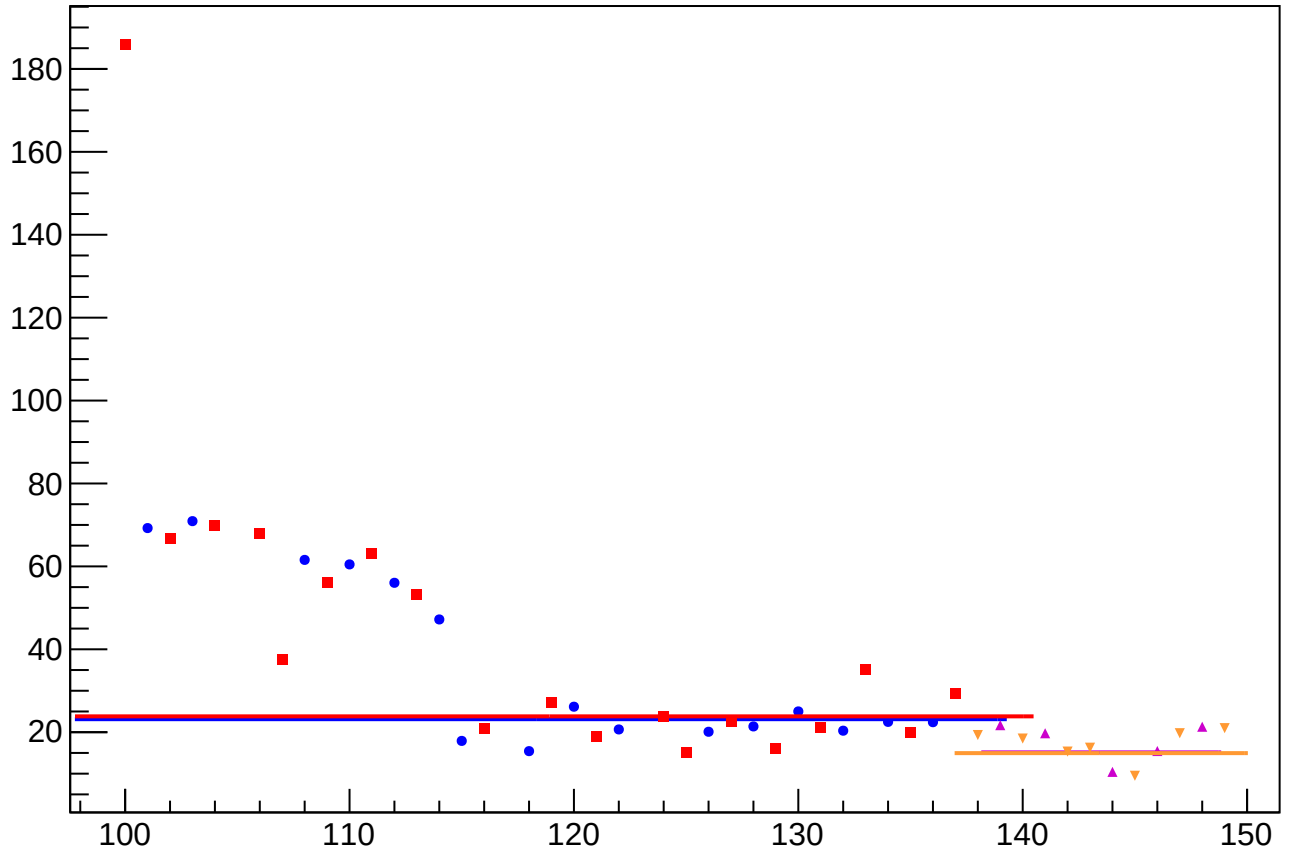
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.008 χ^2/NDF:10.0/4

+ sign 0.003+/-0.006 χ^2/NDF: 18.0/22

All: 0.000+/-0.004 χ^2/NDF: 50.0/46

- 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: 14.954+/-0.005 χ^2/NDF:843262.5/6

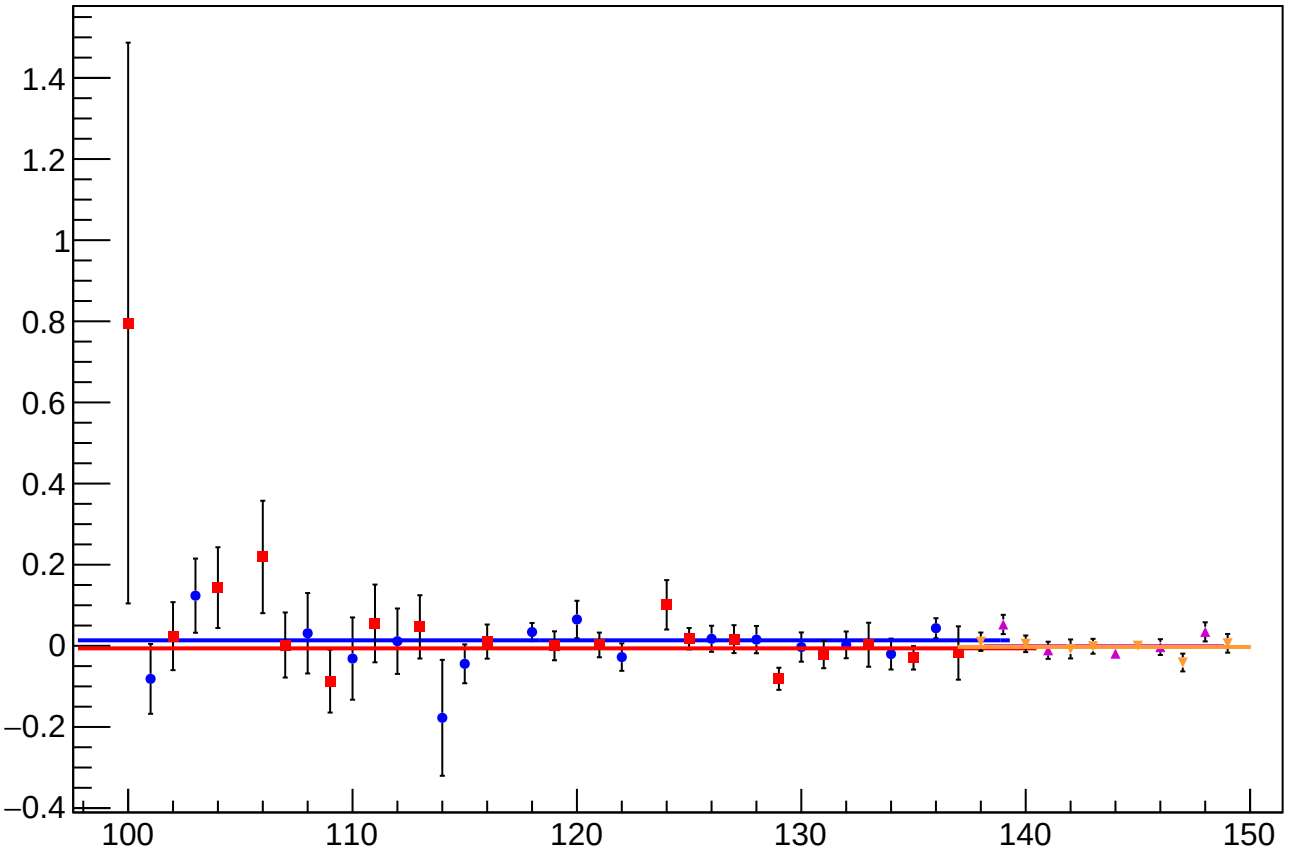
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.140+/-0.006 χ^2/NDF:703267.1/4

\+ sign 17.659+/-0.004 χ^2/NDF: 4176358.4/22

All: 18.038+/-0.003 χ^2/NDF: 8710522.6/46

\- 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: -0.003+/-0.007 χ^2/NDF:3.8/6

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

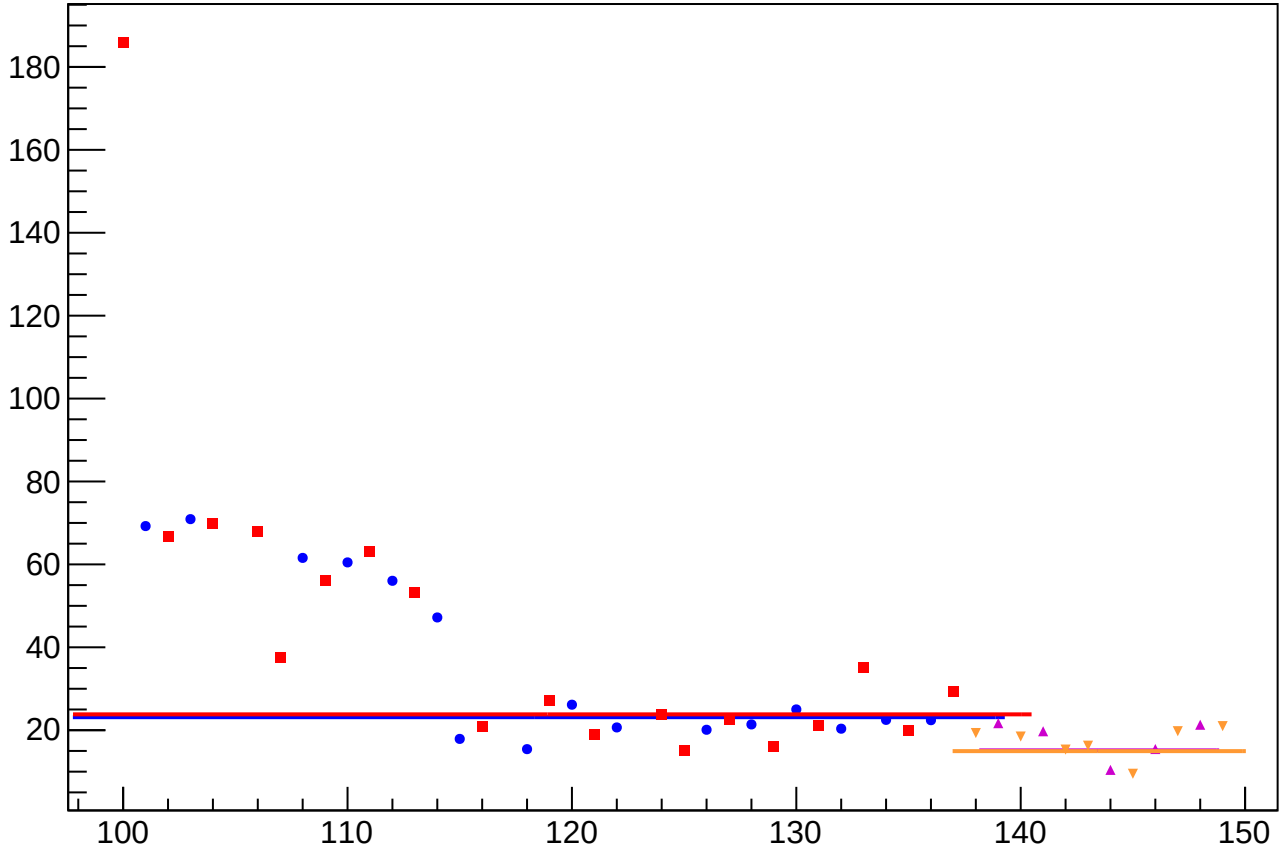
Left In: -0.001+/-0.008 χ^2/NDF:10.0/4

+ sign 0.003+/-0.006 χ^2/NDF: 18.0/22

All: 0.000+/-0.004 χ^2/NDF: 50.0/46

- sign -0.003+/-0.006 χ^2/NDF: 31.6/23

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.954+/-0.005 χ^2/NDF:843262.5/6

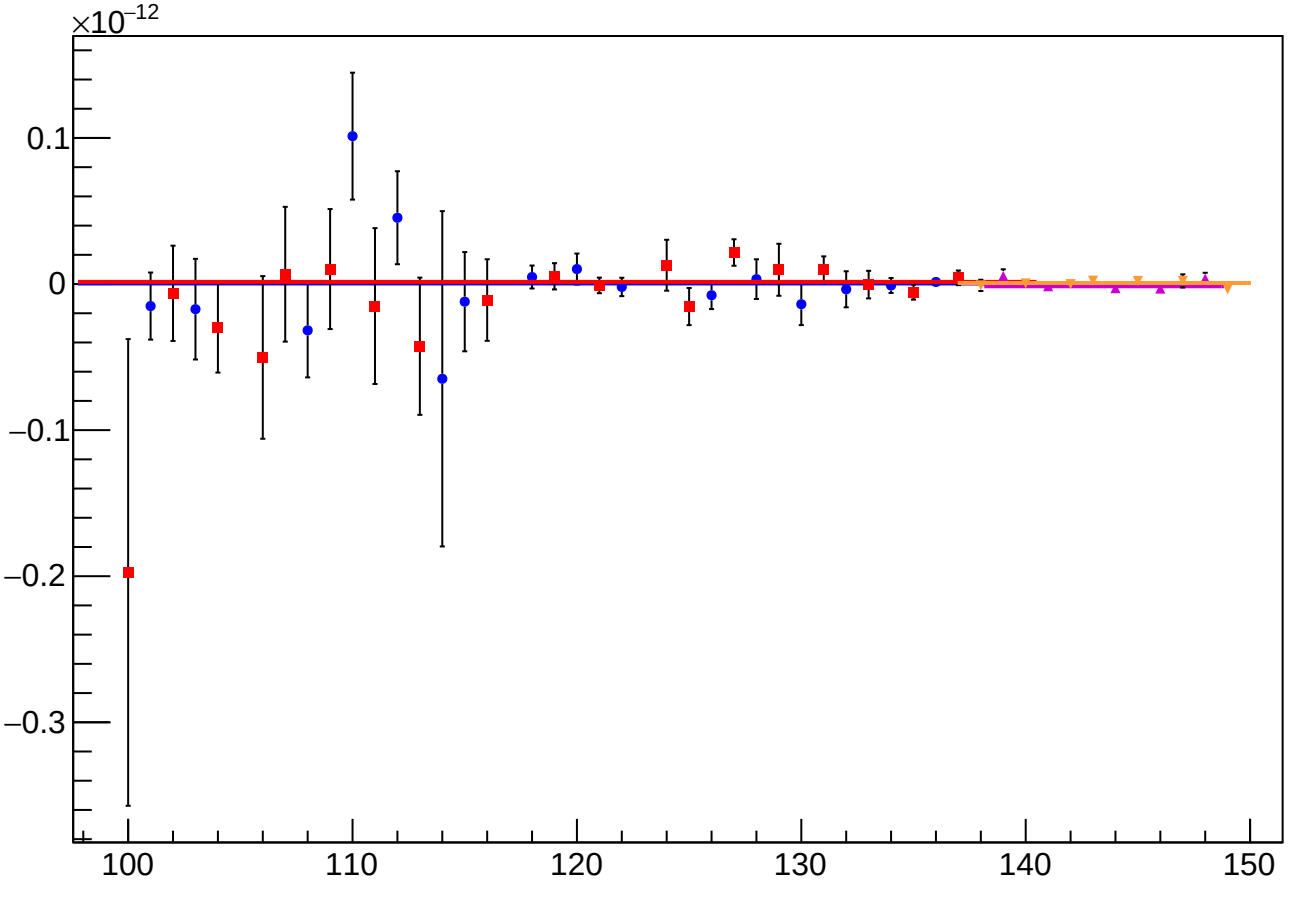
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.140+/-0.006 χ^2/NDF:703267.1/4

+ sign 17.659+/-0.004 χ^2/NDF: 4176358.4/22

All: 18.038+/-0.003 χ^2/NDF: 8710522.6/46

- 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:2.8/6

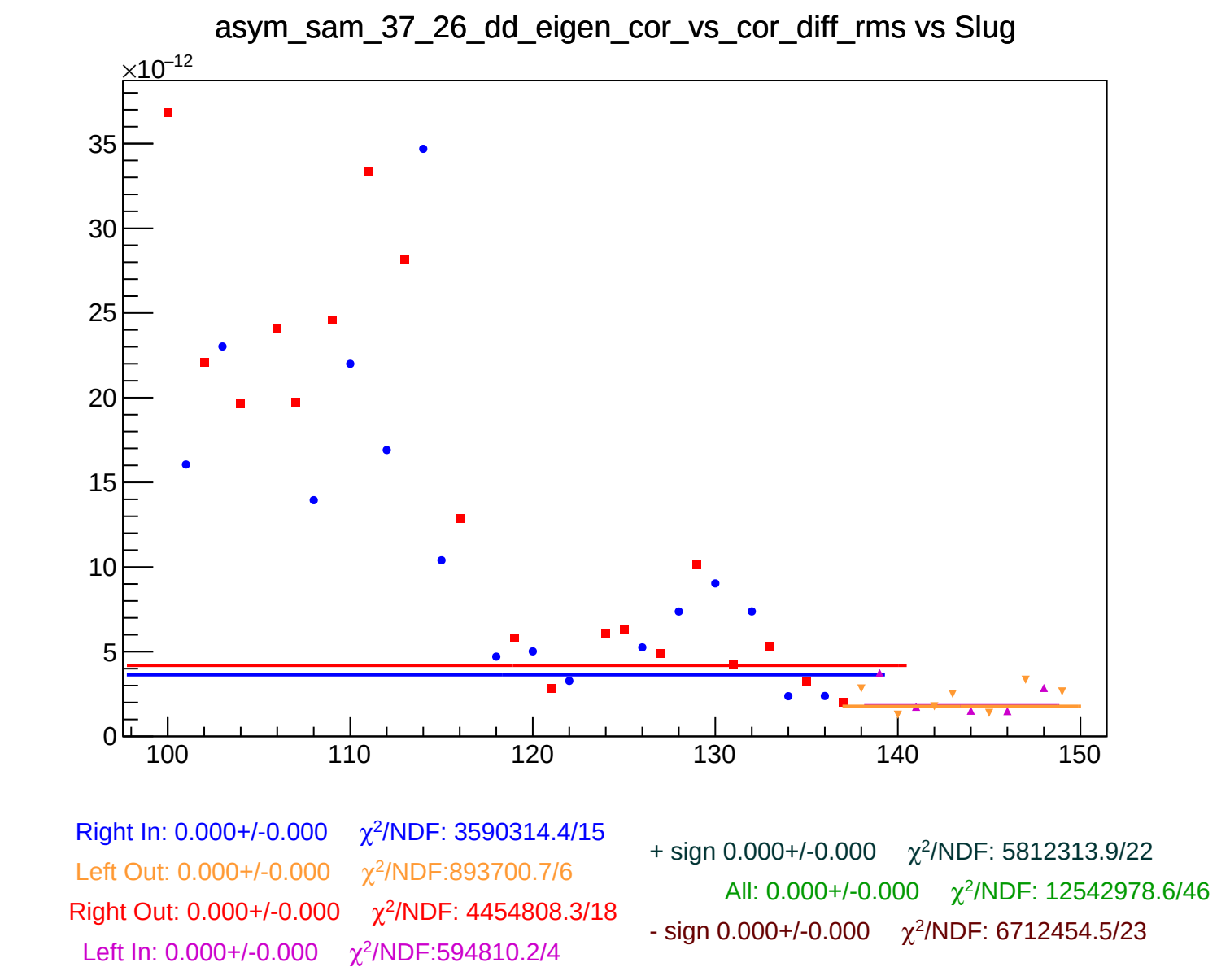
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 15.7/22

All: -0.000+/-0.000 χ^2/NDF: 39.3/46

- 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
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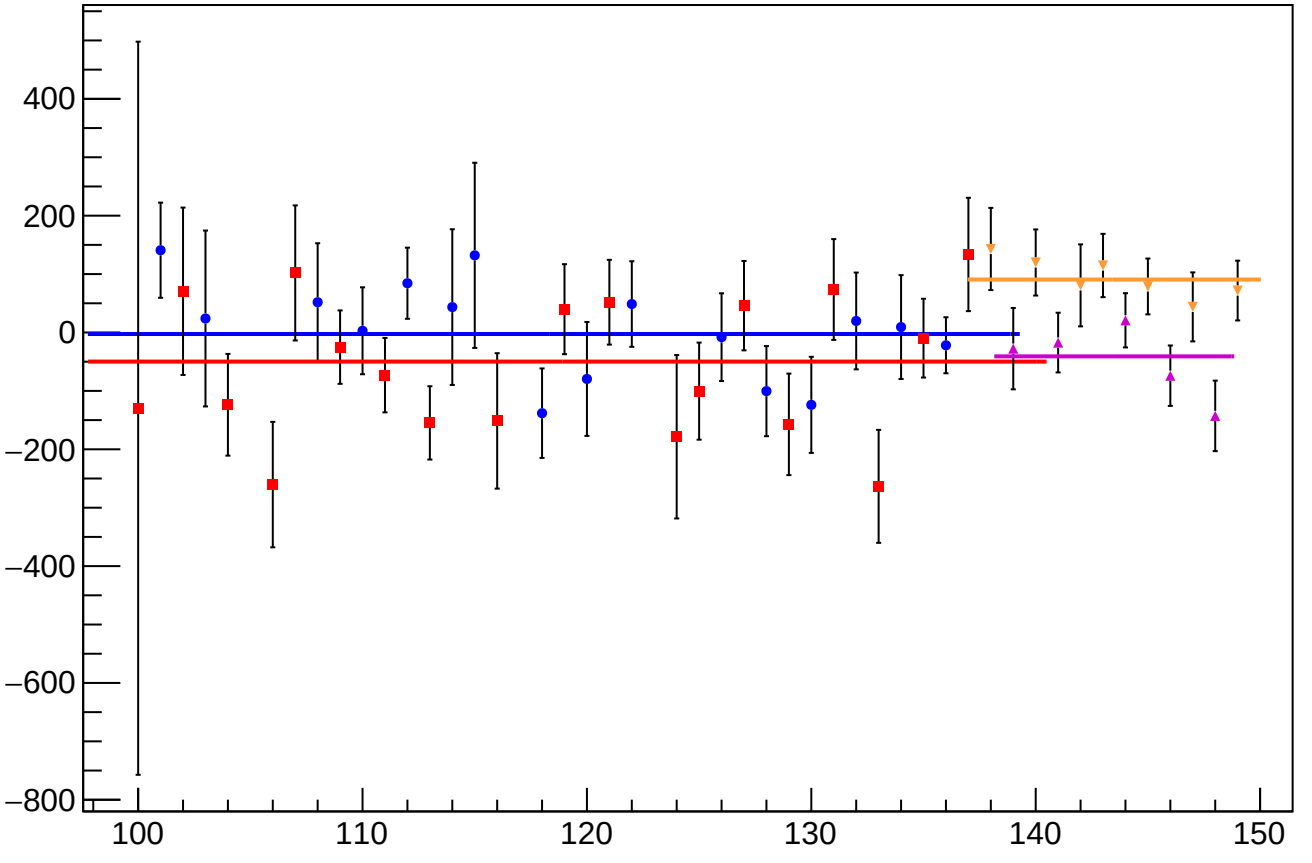
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:893700.7/6
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:594810.2/4
+ sign 0.000+/-0.000 χ²/NDF: 5812313.9/22
All: 0.000+/-0.000 χ²/NDF: 12542978.6/46
- sign 0.000+/-0.000 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: 90.673+/-21.498 χ^2/NDF:1.9/6

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

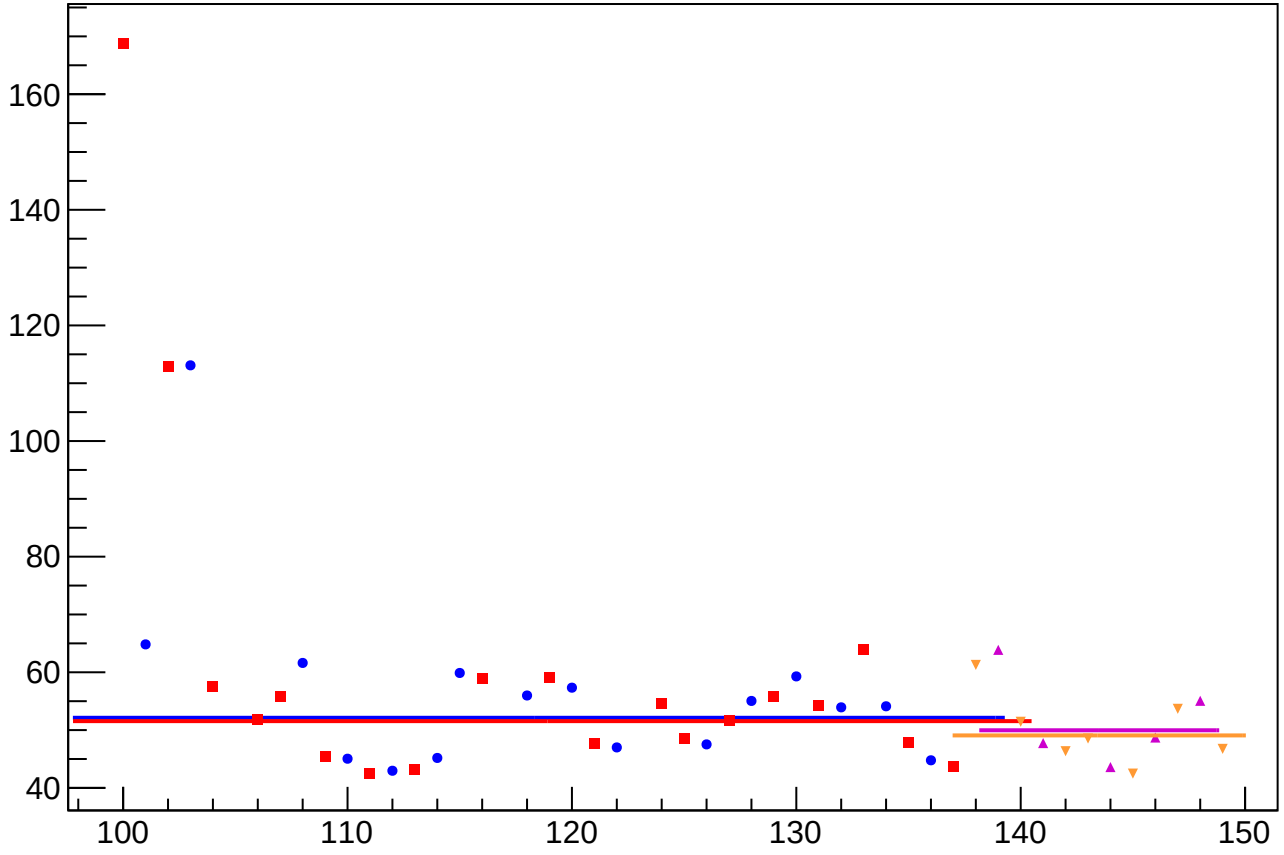
Left In: -40.860+/-24.247 χ^2/NDF:5.3/4

\+ sign 40.654+/-14.641 χ^2/NDF: 26.5/22

All: -1.028+/-10.562 χ^2/NDF: 78.2/46

\- 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: 49.079+/-0.015 χ^2/NDF:121204.4/6

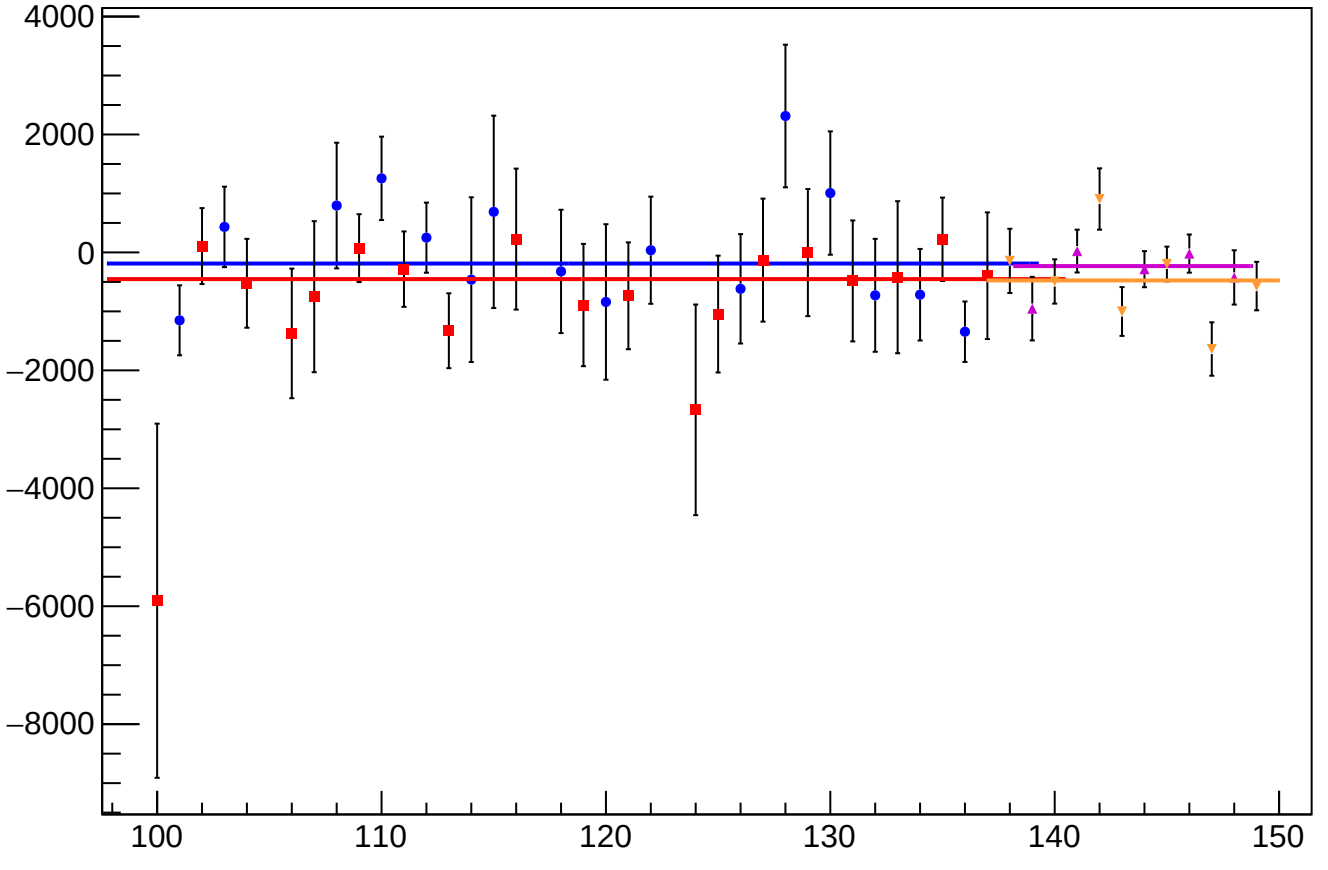
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.968+/-0.017 χ^2/NDF:136564.3/4

+ sign 50.714+/-0.010 χ^2/NDF: 705699.8/22

All: 50.815+/-0.007 χ^2/NDF: 1487167.1/46

- sign 50.924+/-0.011 χ^2/NDF: 781270.0/23



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -475.350+/-153.747 χ^2/NDF:16.6/6

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

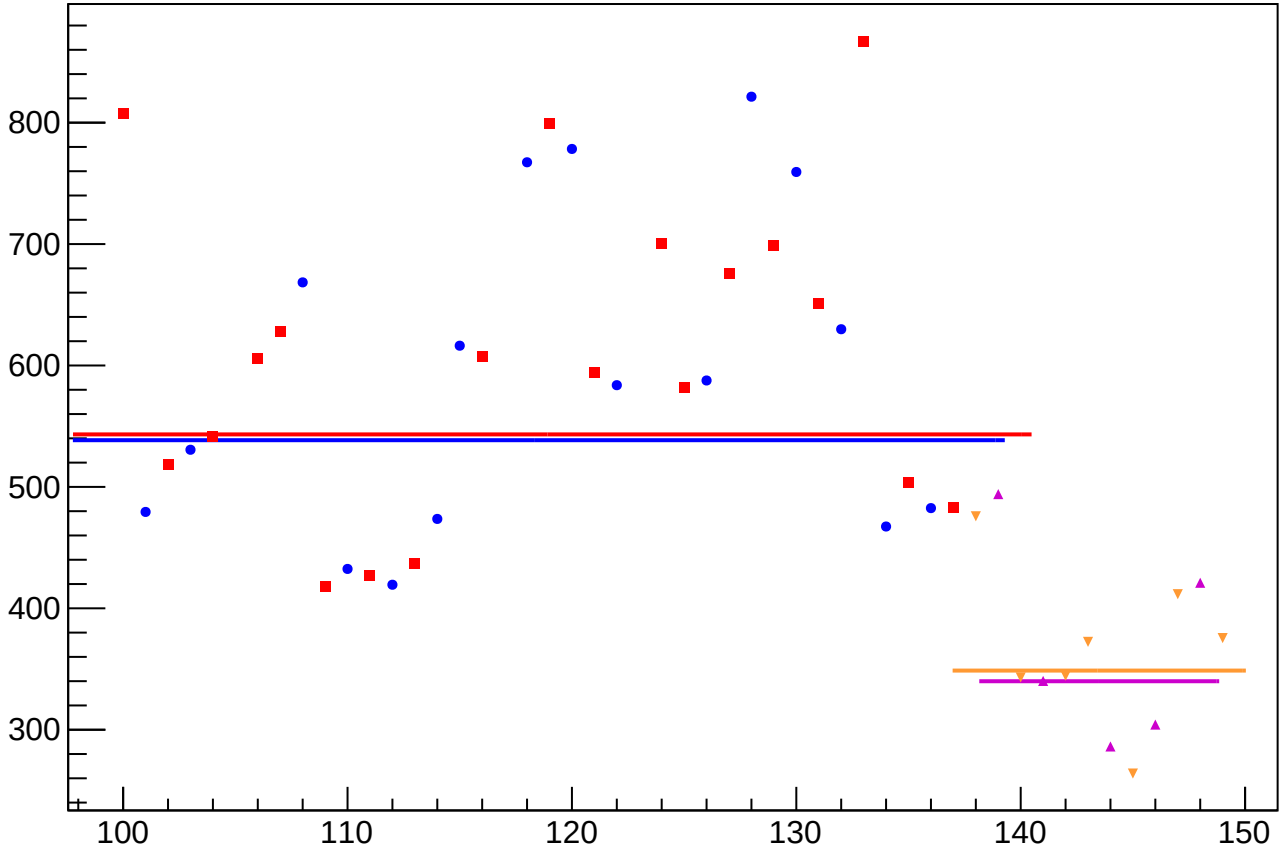
Left In: -231.678+/-166.709 χ^2/NDF:2.9/4

+ sign -372.630+/-123.173 χ^2/NDF: 39.2/22

All: -347.618+/-89.107 χ^2/NDF: 54.2/46

- 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: 348.724+/-0.109 χ^2/NDF:328526.2/6

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

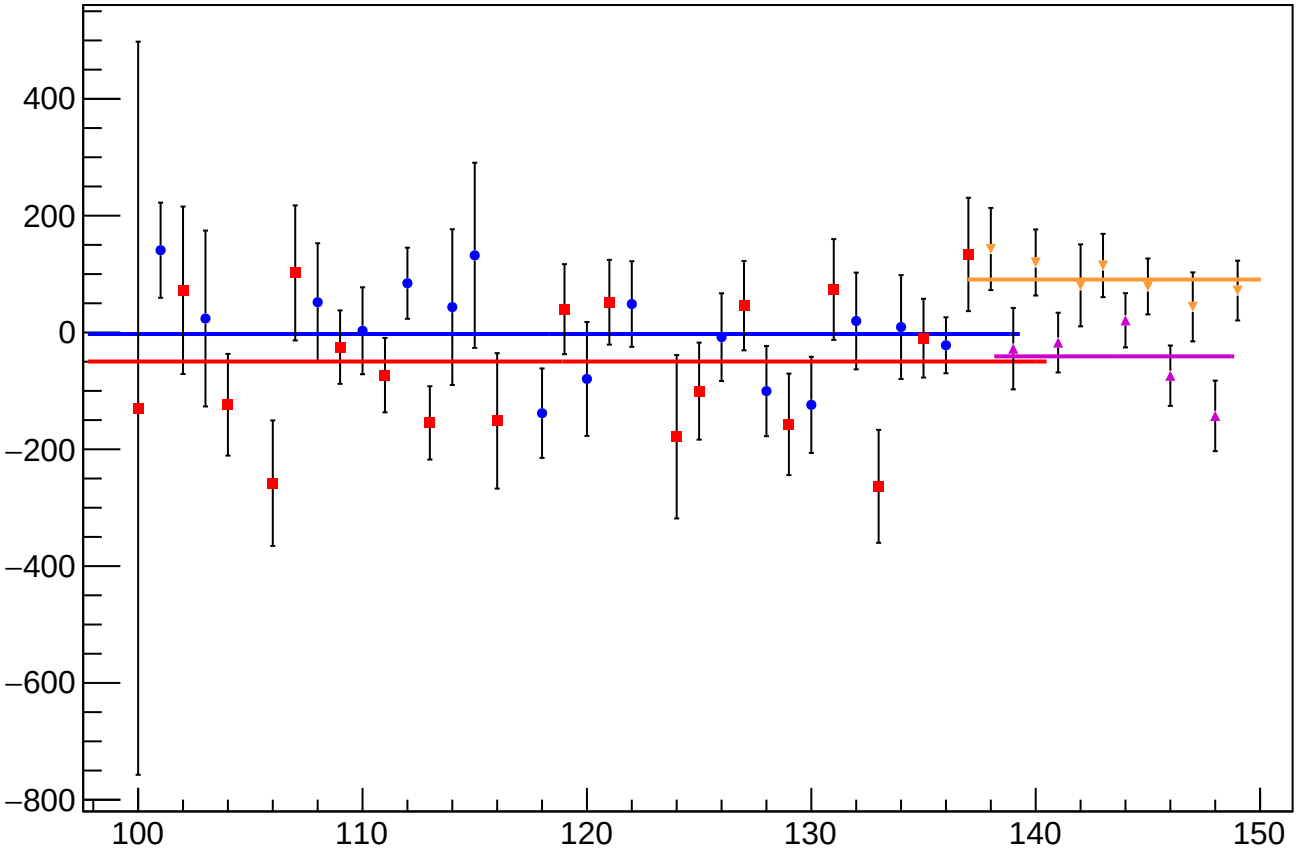
Left In: 339.945+/-0.118 χ^2/NDF:311633.4/4

+ sign 416.685+/-0.087 χ^2/NDF: 2033574.0/22

All: 418.926+/-0.063 χ^2/NDF: 4175204.5/46

- 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: 90.679+/-21.498 χ^2/NDF:1.9/6

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

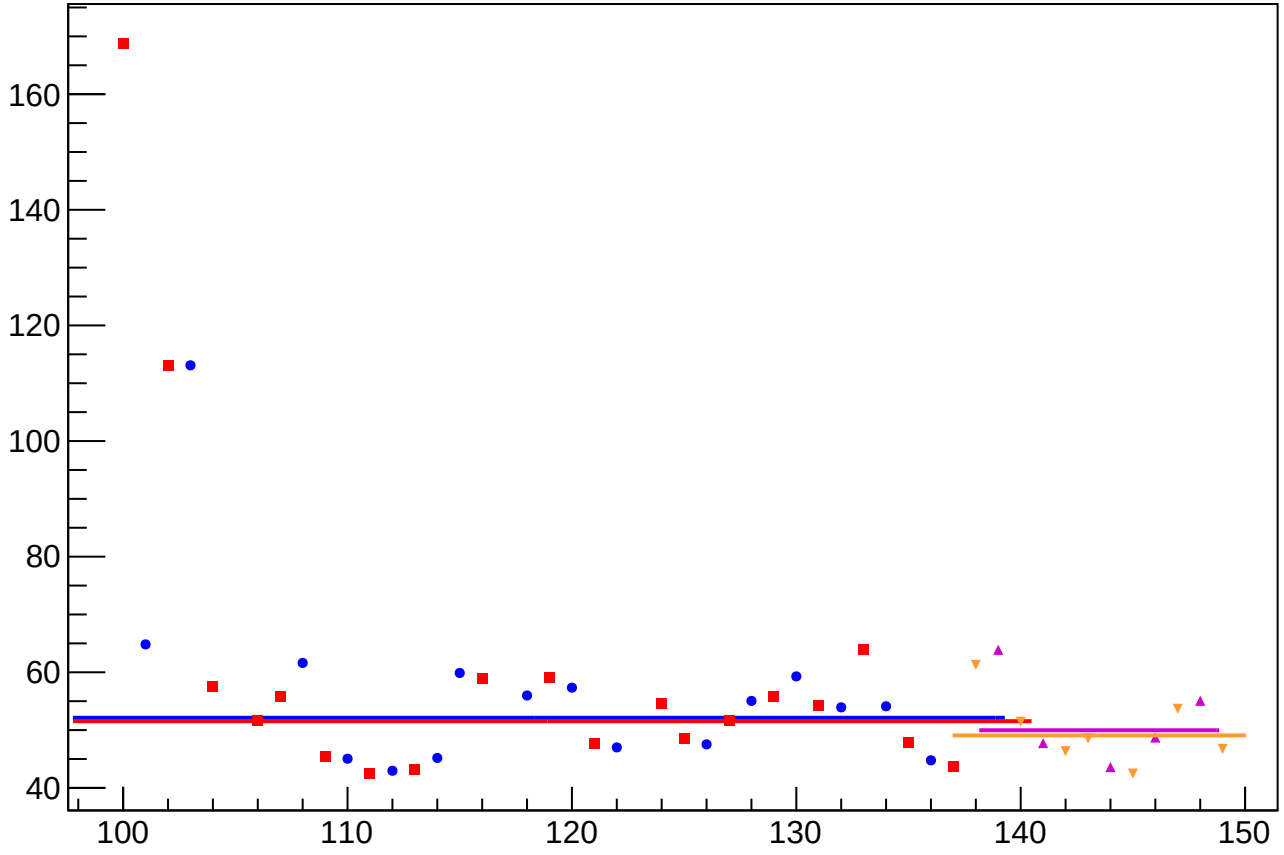
Left In: -40.861+/-24.247 χ^2/NDF:5.3/4

+ sign 40.655+/-14.641 χ^2/NDF: 26.6/22

All: -0.994+/-10.562 χ^2/NDF: 78.1/46

- 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: 49.079+/-0.015 χ^2/NDF:121204.4/6

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

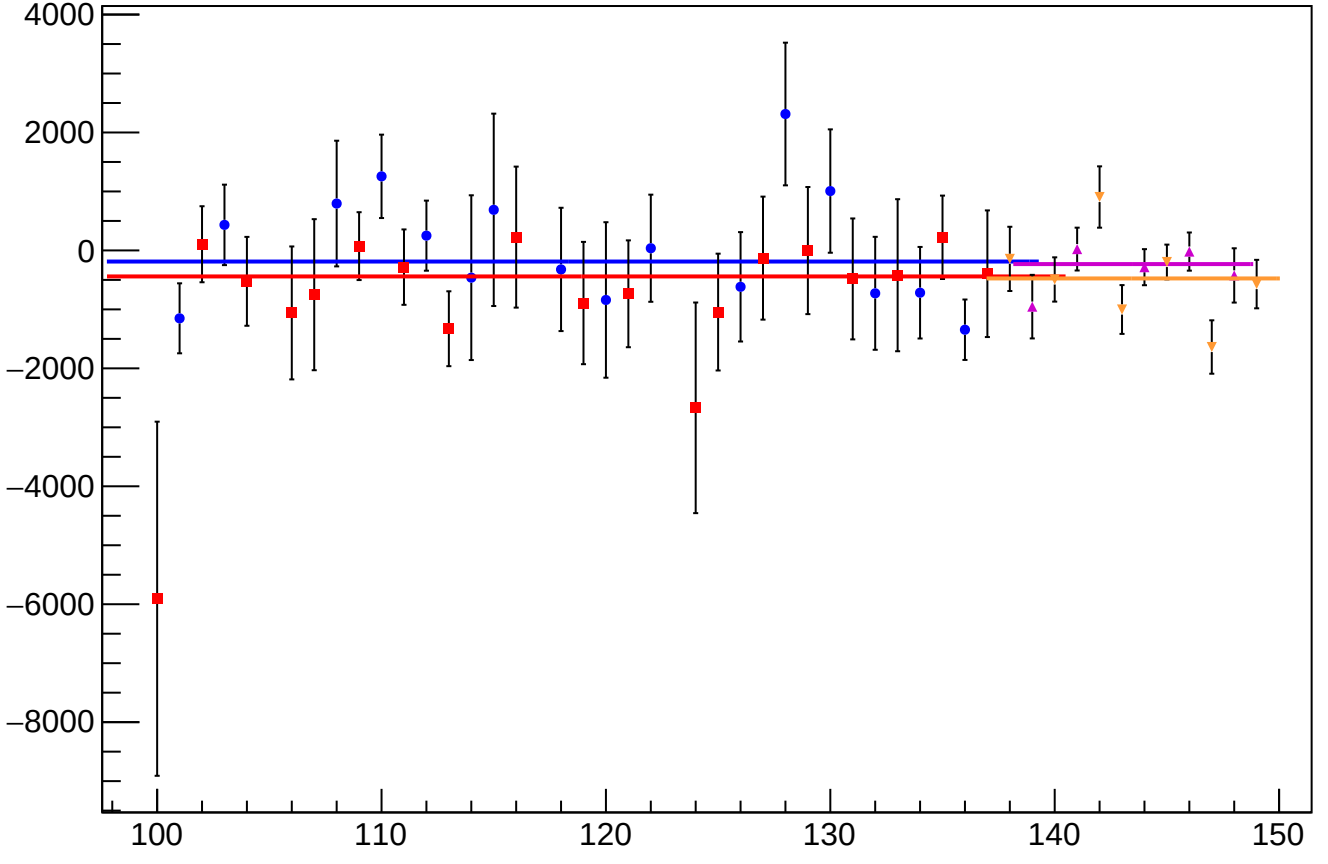
Left In: 49.968+/-0.017 χ^2/NDF:136564.3/4

+ sign 50.714+/-0.010 χ^2/NDF: 705702.0/22

All: 50.812+/-0.007 χ^2/NDF: 1487310.7/46

- 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: -475.344+/-153.747 χ^2/NDF:16.6/6

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

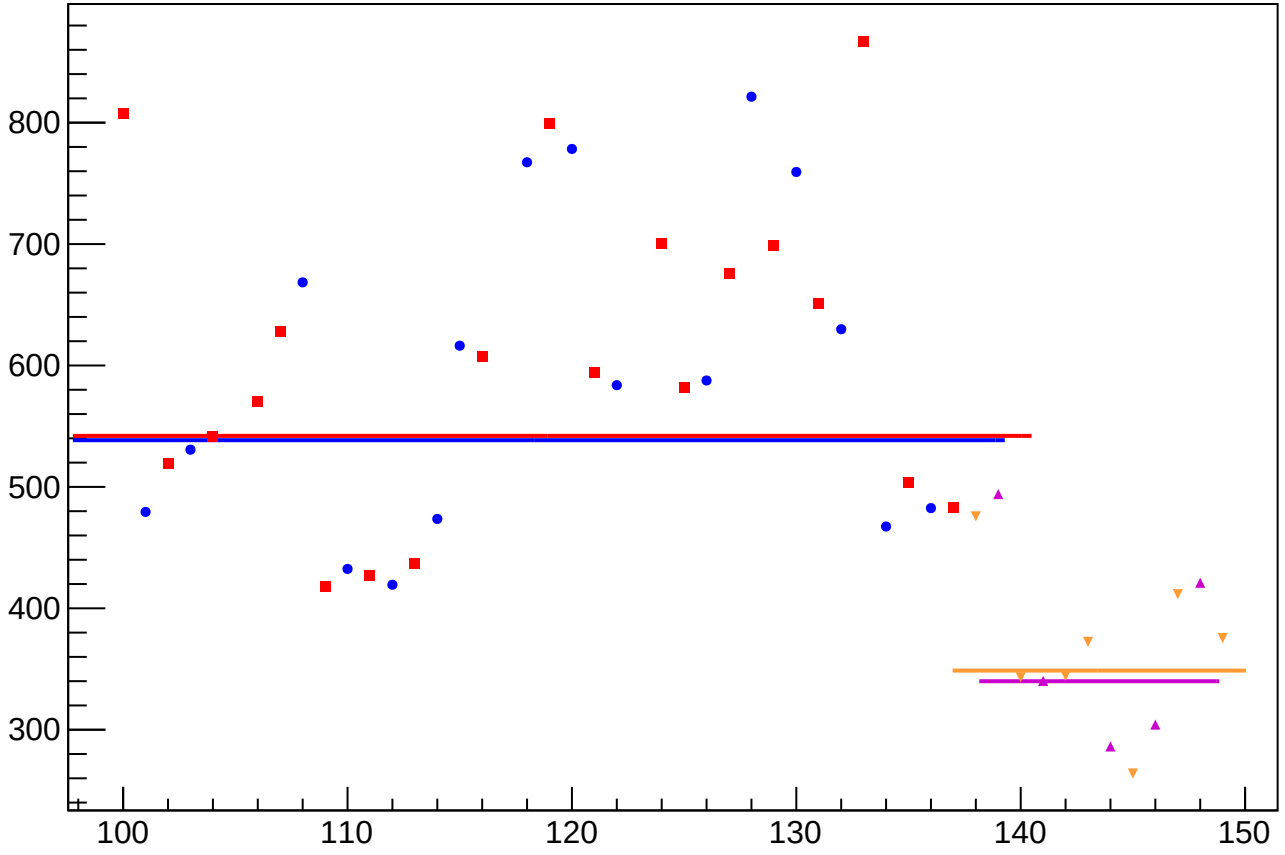
Left In: -231.681+/-166.709 χ^2/NDF:2.9/4

+ sign -372.620+/-123.174 χ^2/NDF: 39.2/22

All: -345.409+/-89.123 χ^2/NDF: 53.7/46

- 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: 348.723+/-0.109 χ^2/NDF:328527.4/6

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

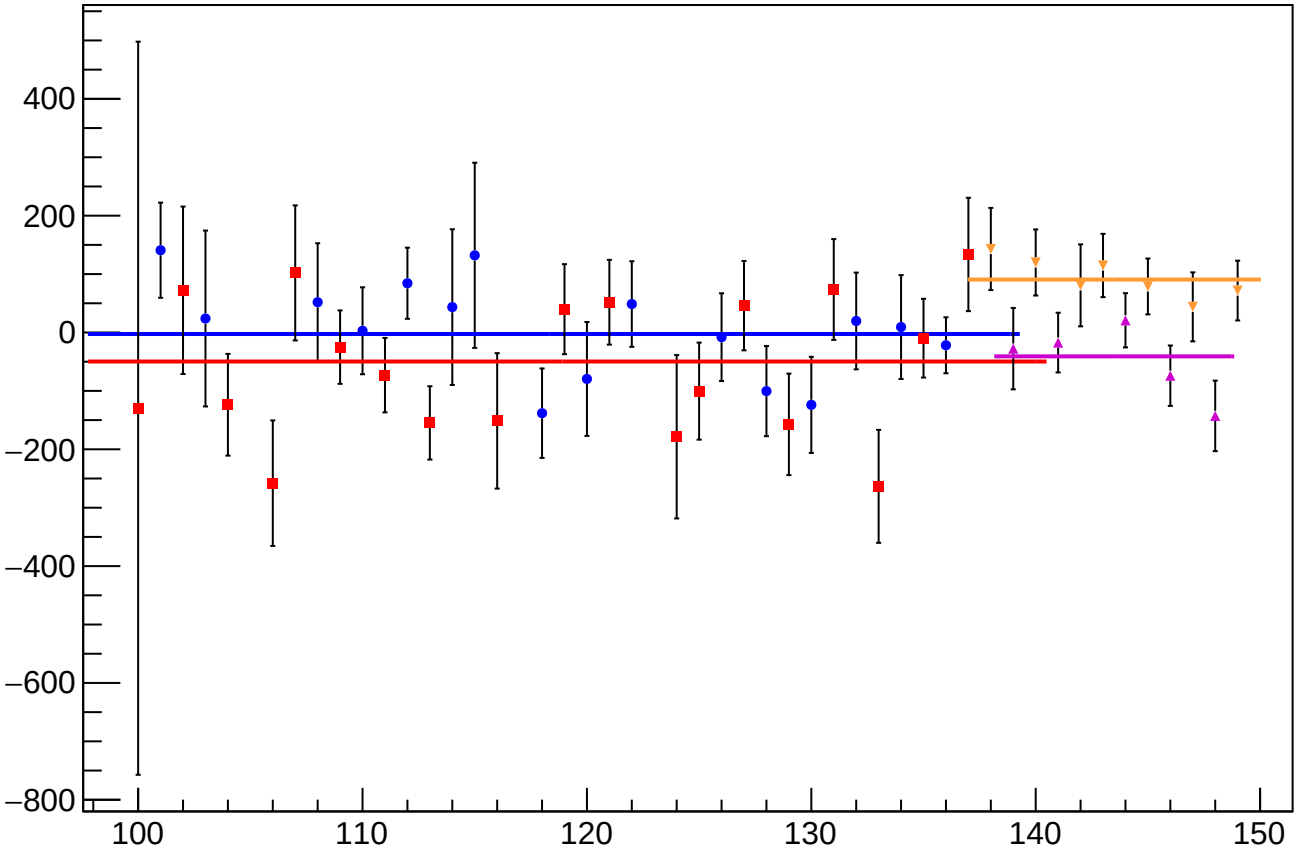
Left In: 339.945+/-0.118 χ^2/NDF:311632.6/4

+ sign 416.686+/-0.087 χ^2/NDF: 2033621.5/22

All: 418.650+/-0.063 χ^2/NDF: 4153823.0/46

- 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: 90.679+/-21.498 χ^2/NDF:1.9/6

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

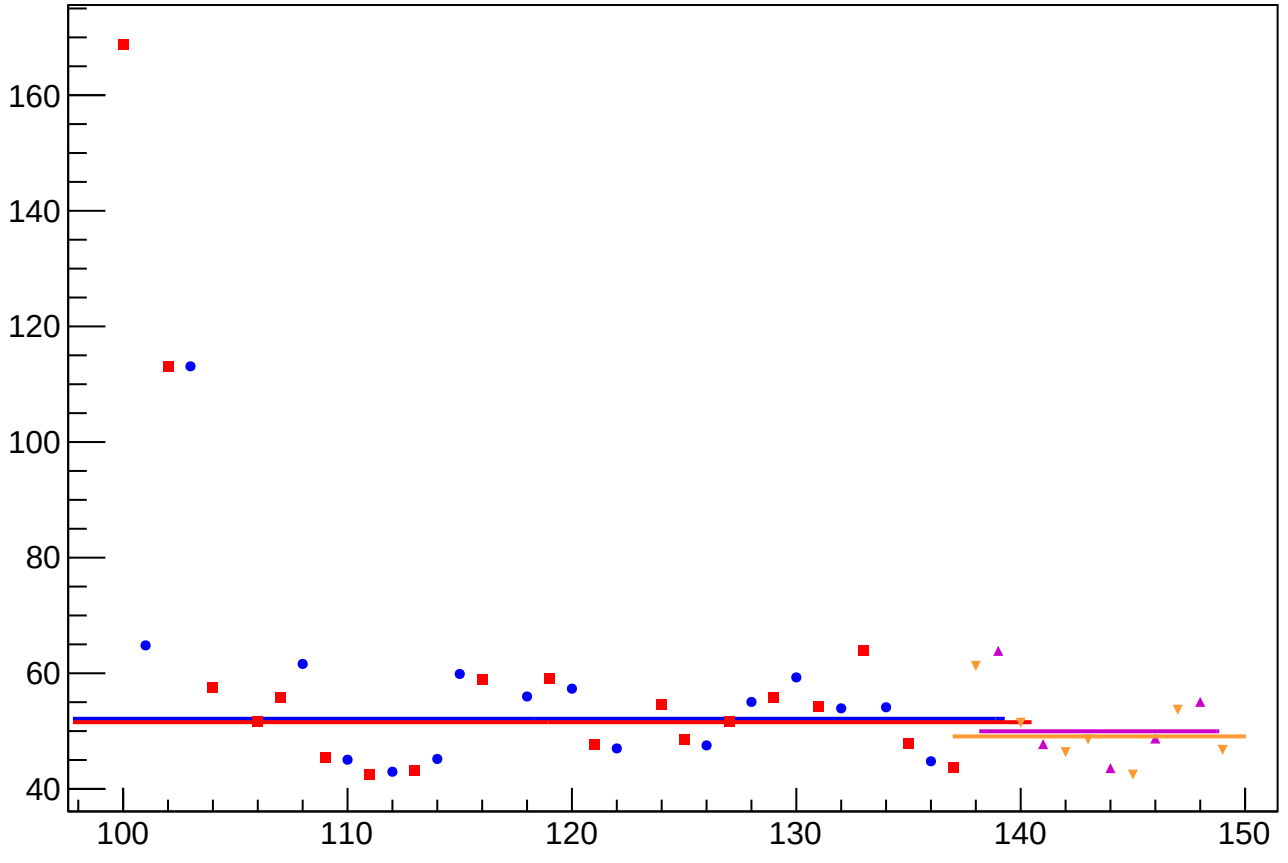
Left In: -40.861+/-24.247 χ^2/NDF:5.3/4

+ sign 40.655+/-14.641 χ^2/NDF: 26.6/22

All: -0.994+/-10.562 χ^2/NDF: 78.1/46

- 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: 49.079+/-0.015 χ^2/NDF:121204.4/6

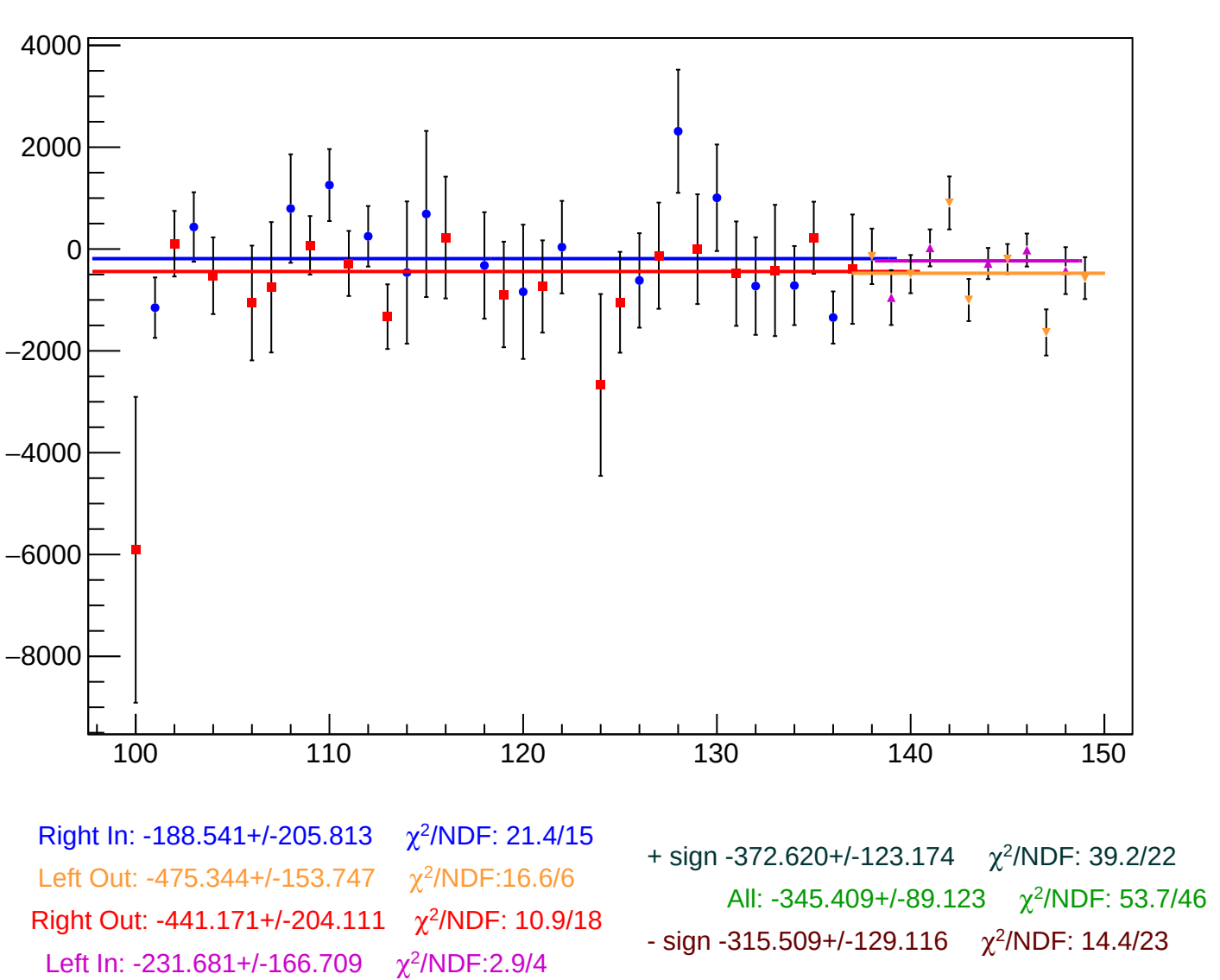
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

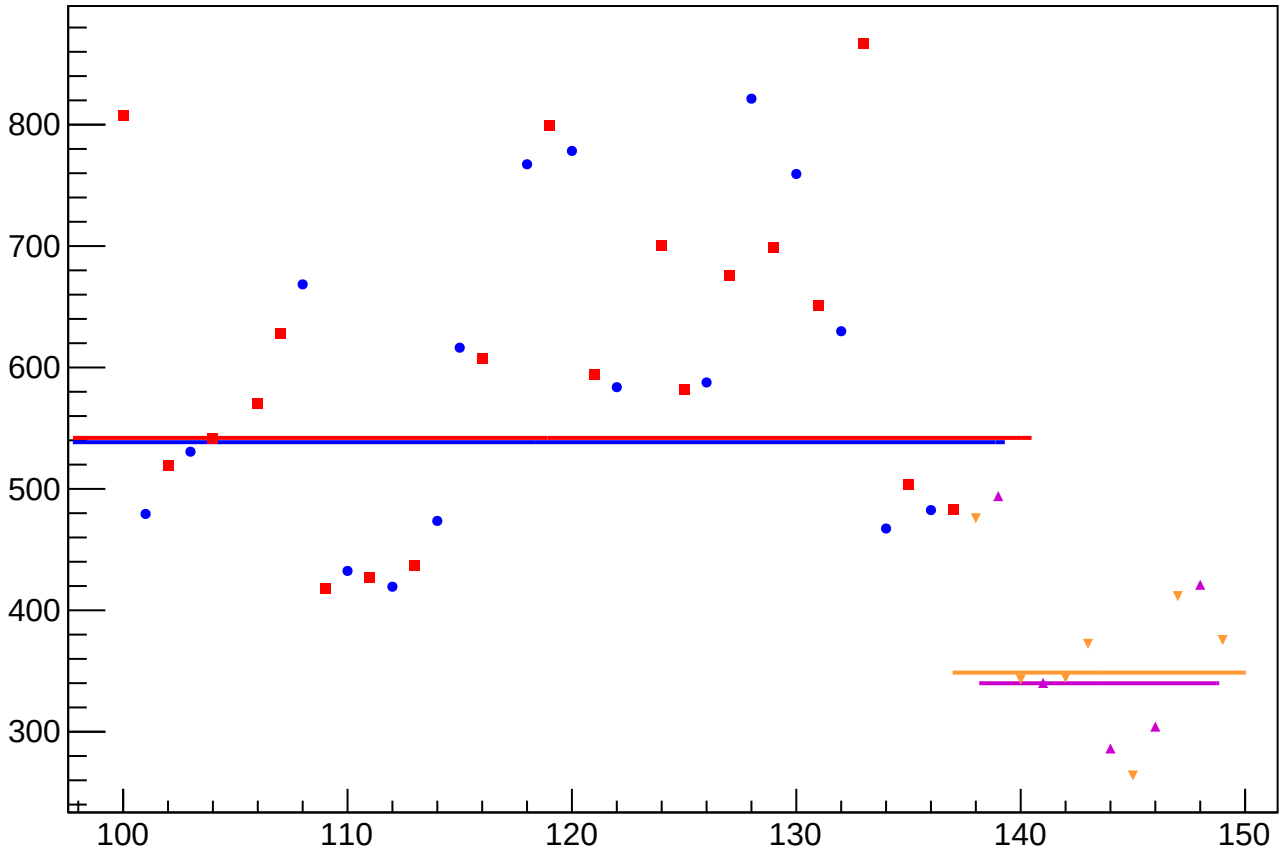
Left In: 49.968+/-0.017 χ^2/NDF:136564.3/4

+ sign 50.714+/-0.010 χ^2/NDF: 705702.0/22

All: 50.812+/-0.007 χ^2/NDF: 1487310.7/46

- sign 50.918+/-0.011 χ^2/NDF: 781422.9/23


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: -188.541+/-205.813 χ²/NDF: 21.4/15
Left Out: -475.344+/-153.747 χ²/NDF:16.6/6
Right Out: -441.171+/-204.111 χ²/NDF: 10.9/18
Left In: -231.681+/-166.709 χ²/NDF:2.9/4
+ sign -372.620+/-123.174 χ²/NDF: 39.2/22
All: -345.409+/-89.123 χ²/NDF: 53.7/46
- sign -315.509+/-129.116 χ²/NDF: 14.4/23



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 348.723+/-0.109 χ^2/NDF:328527.4/6

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

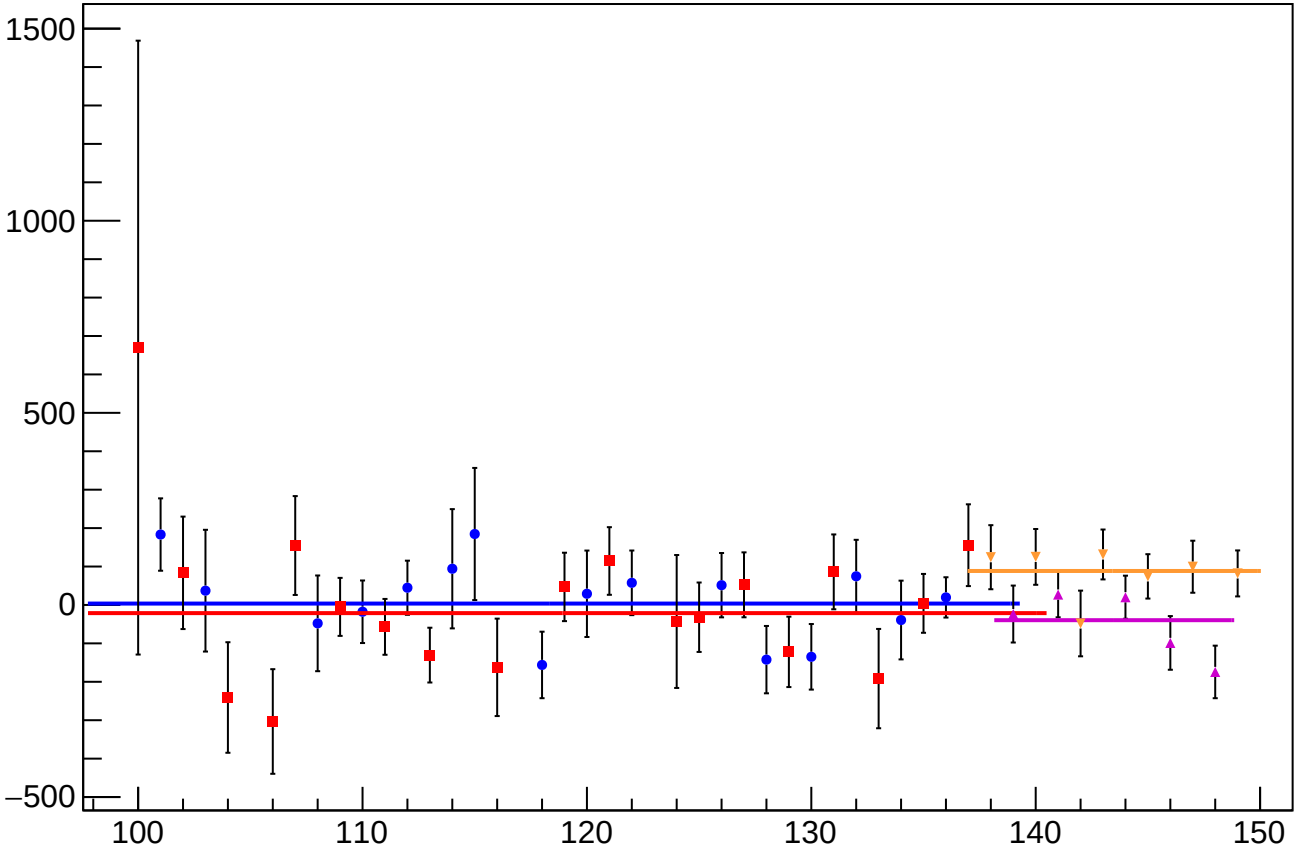
Left In: 339.945+/-0.118 χ^2/NDF:311632.6/4

+ sign 416.686+/-0.087 χ^2/NDF: 2033621.5/22

All: 418.650+/-0.063 χ^2/NDF: 4153823.0/46

- 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: 88.432+/-25.779 χ^2/NDF:3.5/6

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

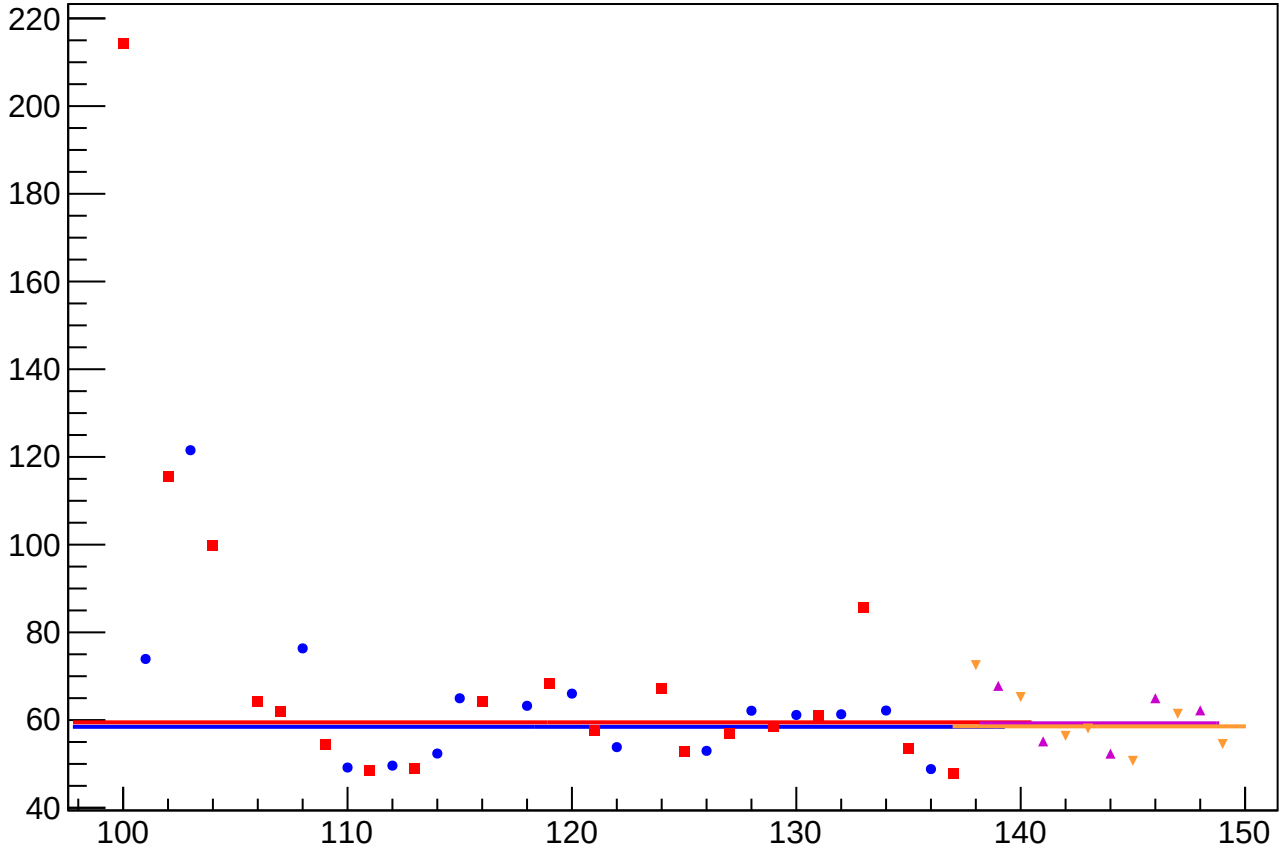
Left In: -39.645+/-28.819 χ^2/NDF:7.0/4

+ sign 40.242+/-16.943 χ^2/NDF: 25.8/22

All: 7.777+/-12.294 χ^2/NDF: 65.3/46

- 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: 58.566+/-0.018 χ^2/NDF:124098.7/6

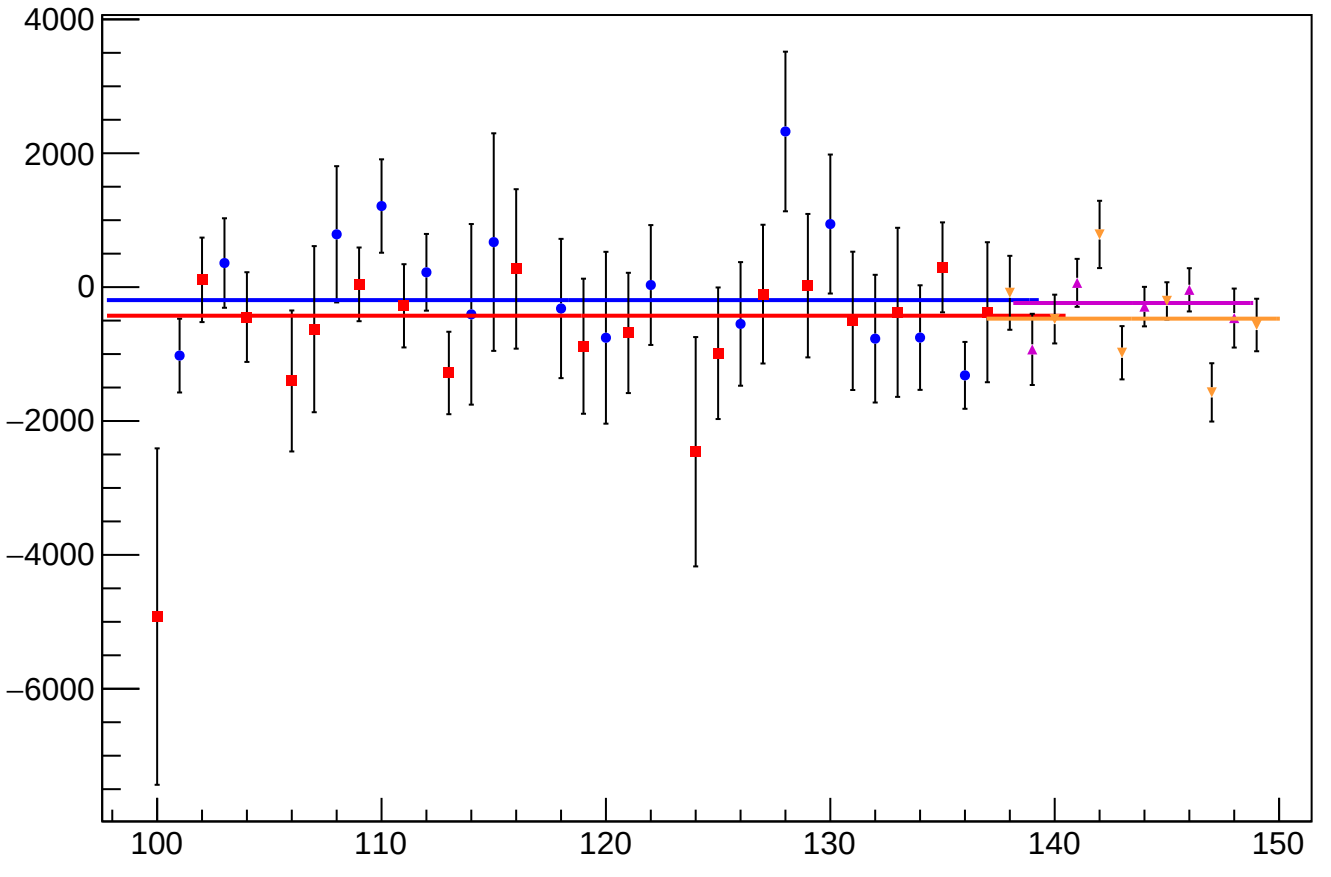
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 59.256+/-0.020 χ^2/NDF:83755.7/4

+ sign 58.509+/-0.012 χ^2/NDF: 707100.4/22

All: 58.929+/-0.009 χ^2/NDF: 1578410.5/46

- sign 59.396+/-0.013 χ^2/NDF: 868713.1/23



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -470.992+/-147.780 χ^2/NDF:15.8/6

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

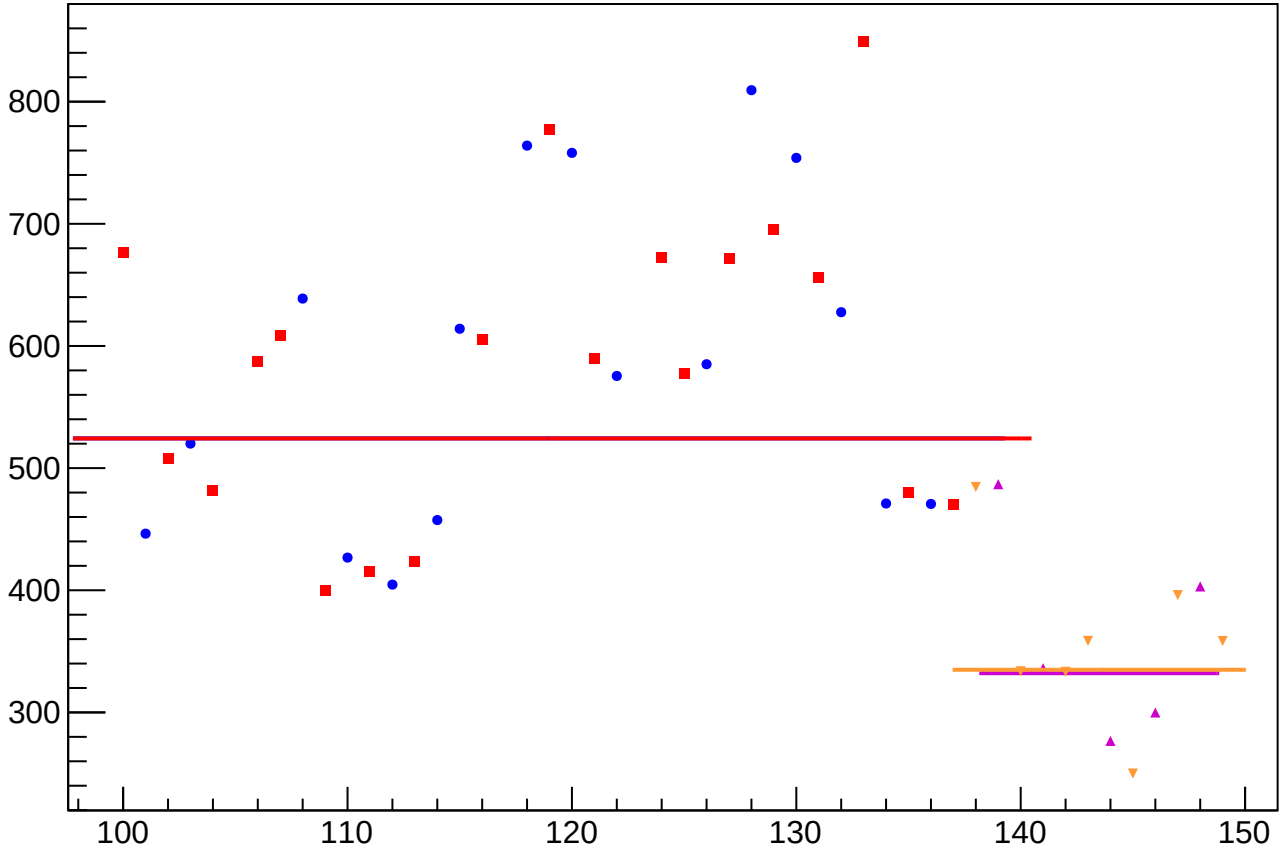
Left In: -237.032+/-163.190 χ^2/NDF:3.1/4

+ sign -373.516+/-118.980 χ^2/NDF: 37.8/22

All: -345.540+/-86.401 χ^2/NDF: 52.8/46

- 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: 334.916+/-0.104 χ^2/NDF:387254.3/6

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

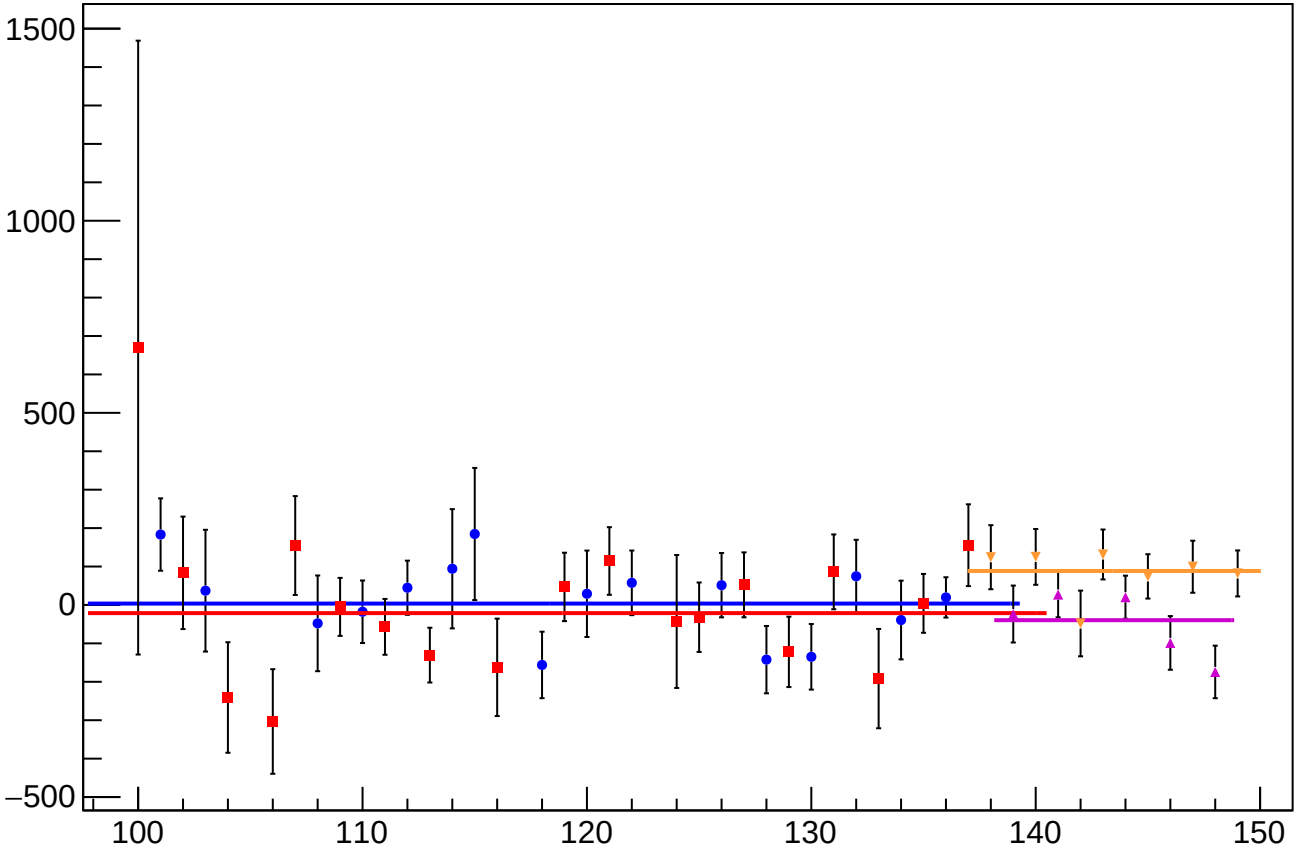
Left In: 332.110+/-0.115 χ^2/NDF:311996.0/4

\+ sign 401.547+/-0.084 χ^2/NDF: 2201543.4/22

All: 405.695+/-0.061 χ^2/NDF: 4333671.1/46

\- 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: 88.431+/-25.779 χ^2/NDF:3.5/6

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

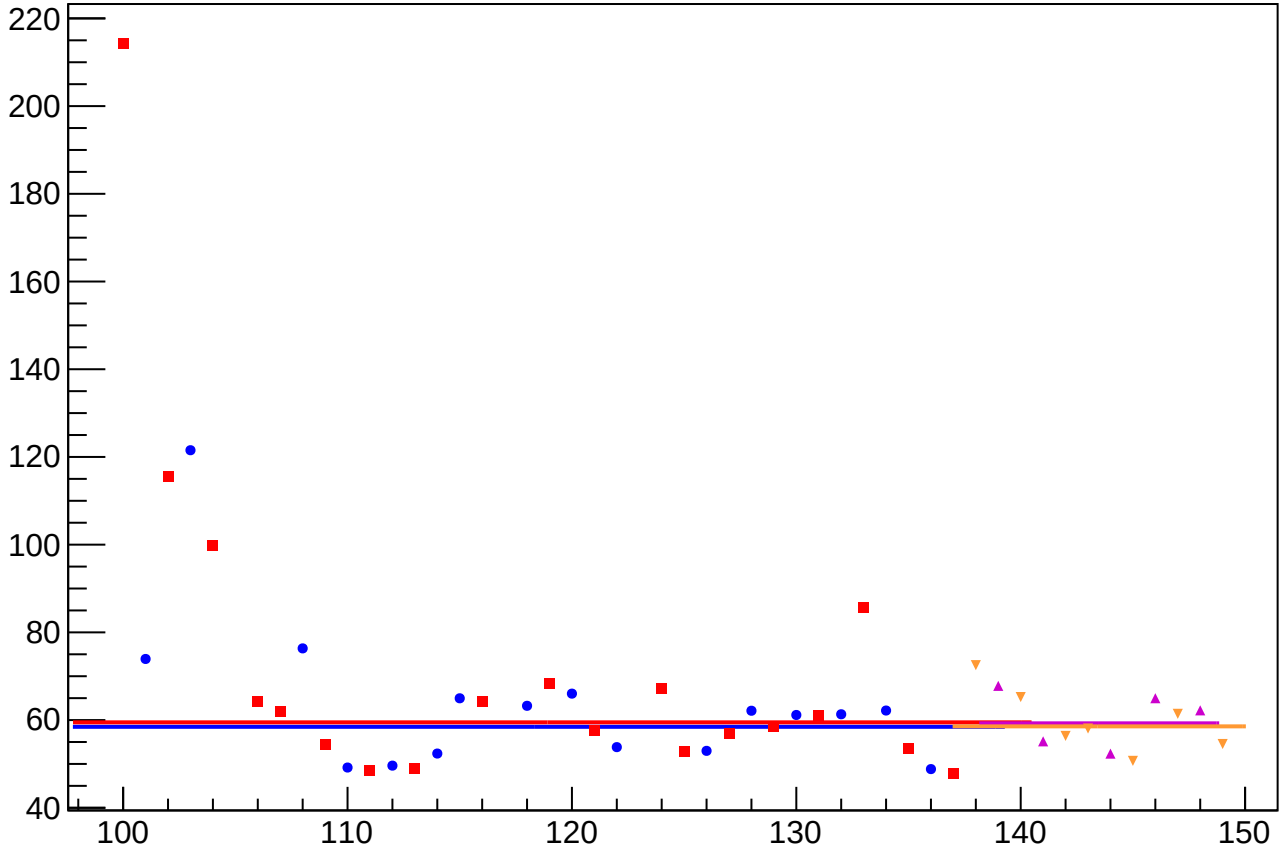
Left In: -39.646+/-28.820 χ^2/NDF:7.0/4

+ sign 40.242+/-16.943 χ^2/NDF: 25.8/22

All: 7.777+/-12.294 χ^2/NDF: 65.3/46

- 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: 58.567+/-0.018 χ^2/NDF:124098.6/6

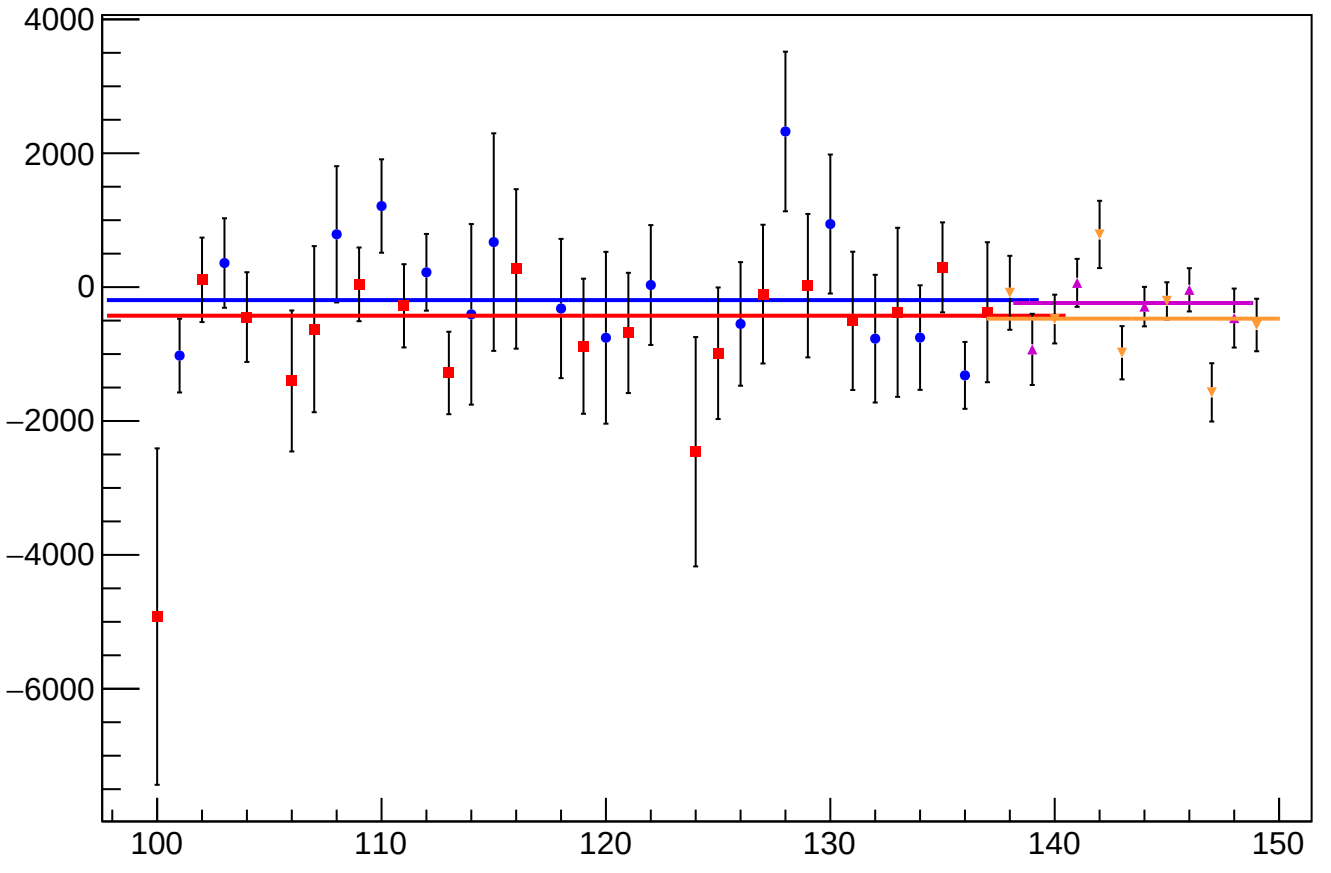
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 59.256+/-0.020 χ^2/NDF:83754.4/4

+ sign 58.509+/-0.012 χ^2/NDF: 707096.7/22

All: 58.929+/-0.009 χ^2/NDF: 1578405.6/46

- 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: -470.993+/-147.779 χ^2/NDF:15.8/6

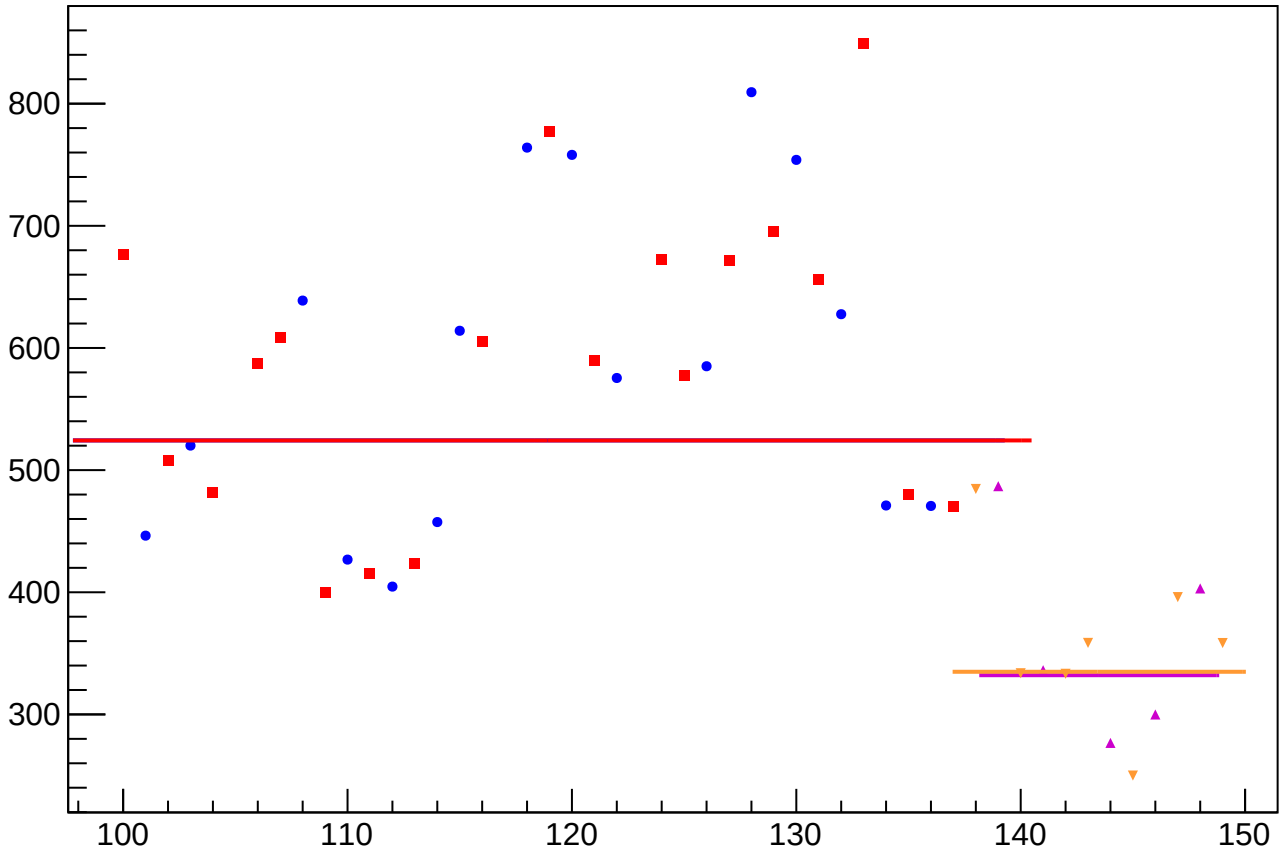
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -237.032+/-163.190 χ^2/NDF:3.1/4

+ sign -373.516+/-118.980 χ^2/NDF: 37.8/22

All: -345.540+/-86.401 χ^2/NDF: 52.8/46

- 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: 334.916+/-0.104 χ^2/NDF:387255.7/6

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

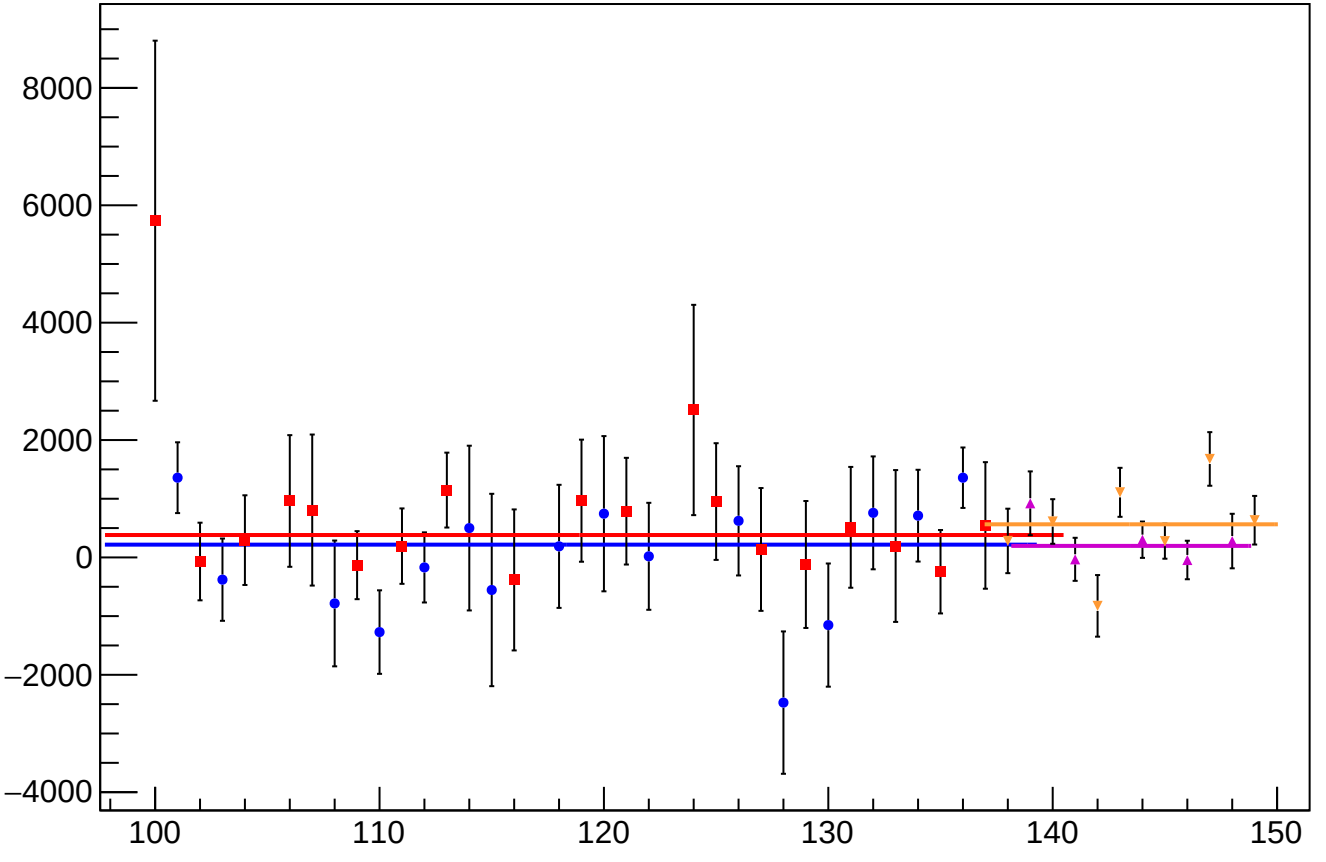
Left In: 332.110+/-0.115 χ^2/NDF:311997.5/4

+ sign 401.546+/-0.084 χ^2/NDF: 2201540.8/22

All: 405.694+/-0.061 χ^2/NDF: 4333662.4/46

- 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: 564.415+/-155.337 χ^2/NDF:15.9/6

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

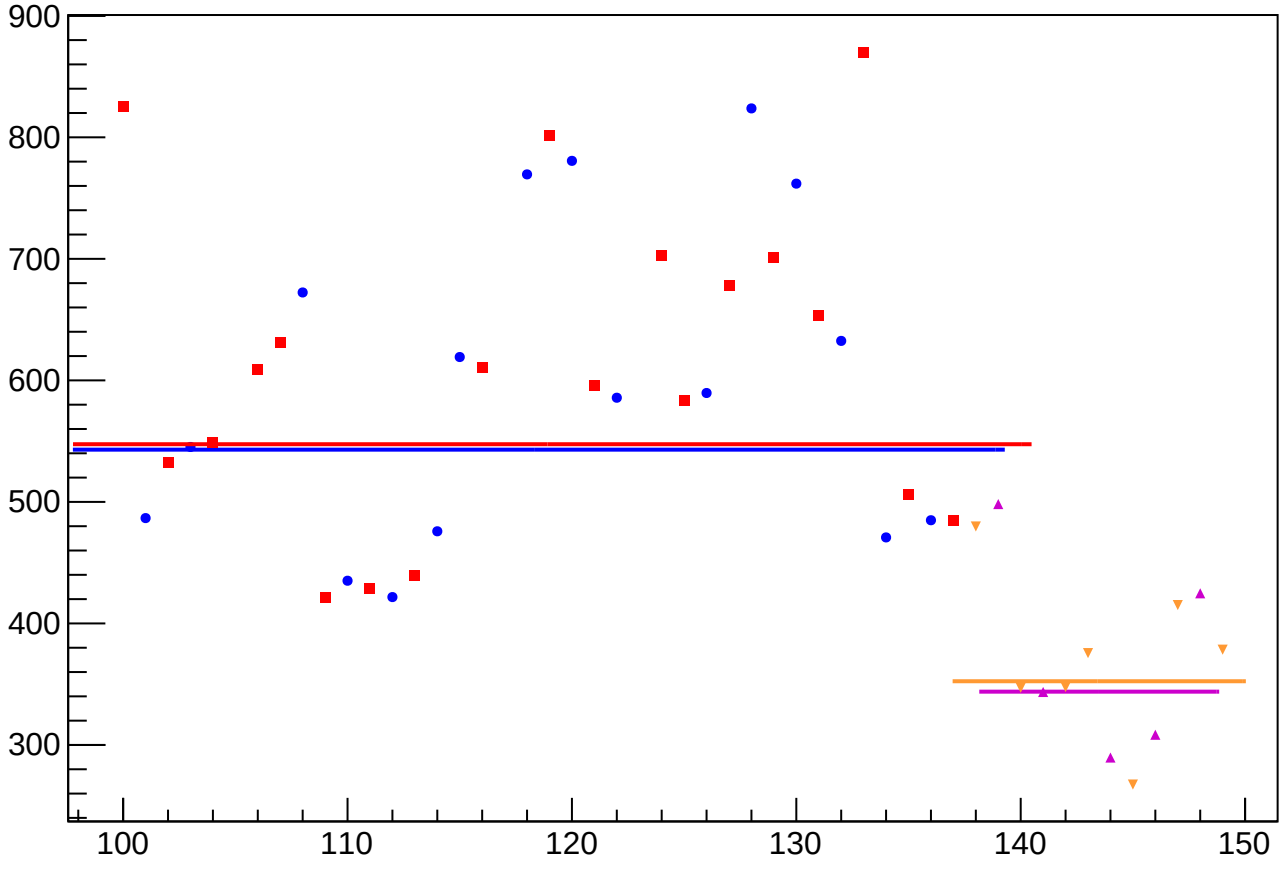
Left In: 196.598+/-168.570 χ^2/NDF:2.9/4

+ sign 439.908+/-124.350 χ^2/NDF: 40.6/22

All: 359.465+/-89.976 χ^2/NDF: 54.8/46

- 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: 352.430+/-0.110 χ^2/NDF:321655.6/6

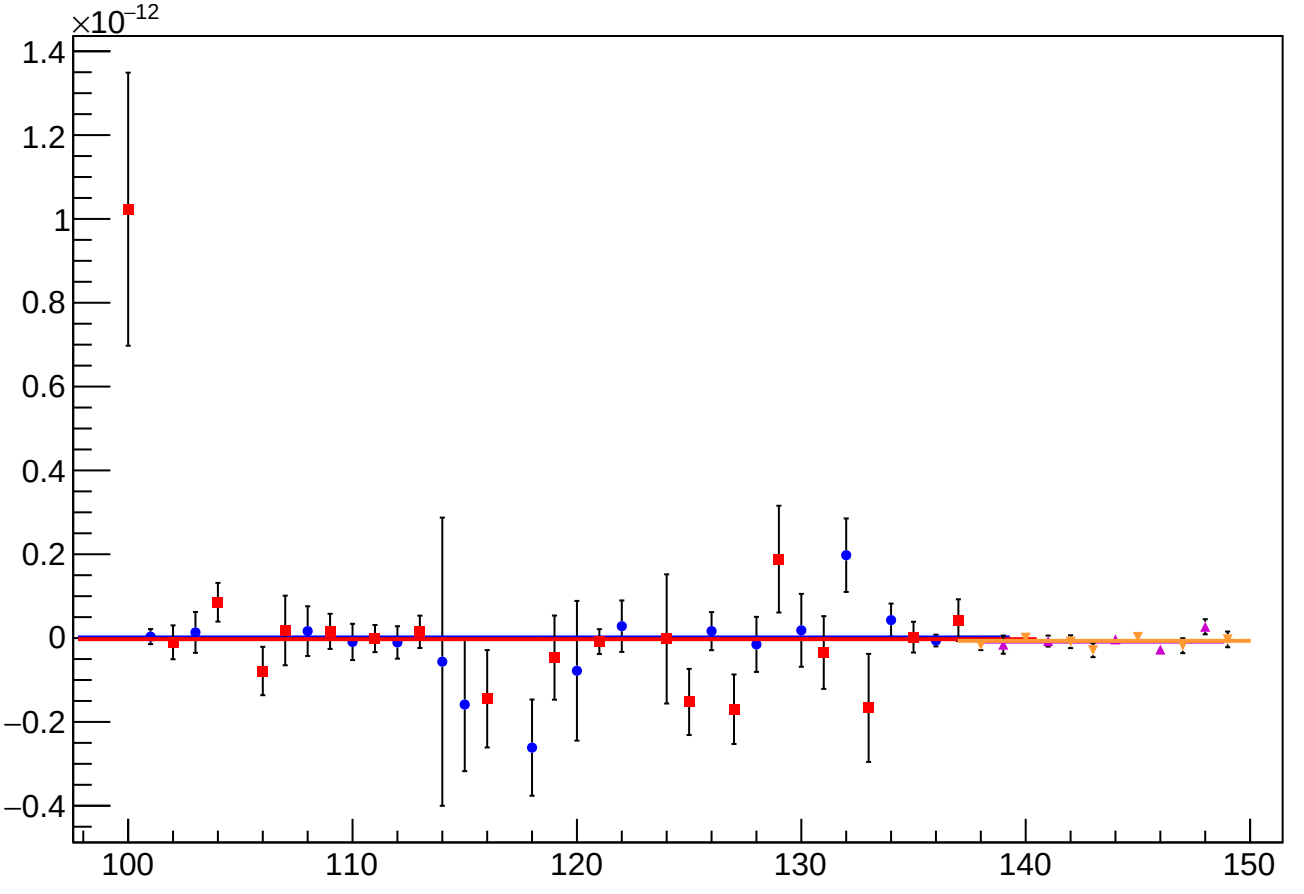
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 343.864+/-0.119 χ^2/NDF:306756.6/4

+ sign 420.875+/-0.088 χ^2/NDF: 2008021.1/22

All: 423.182+/-0.064 χ^2/NDF: 4119478.4/46

- 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:4.4/6

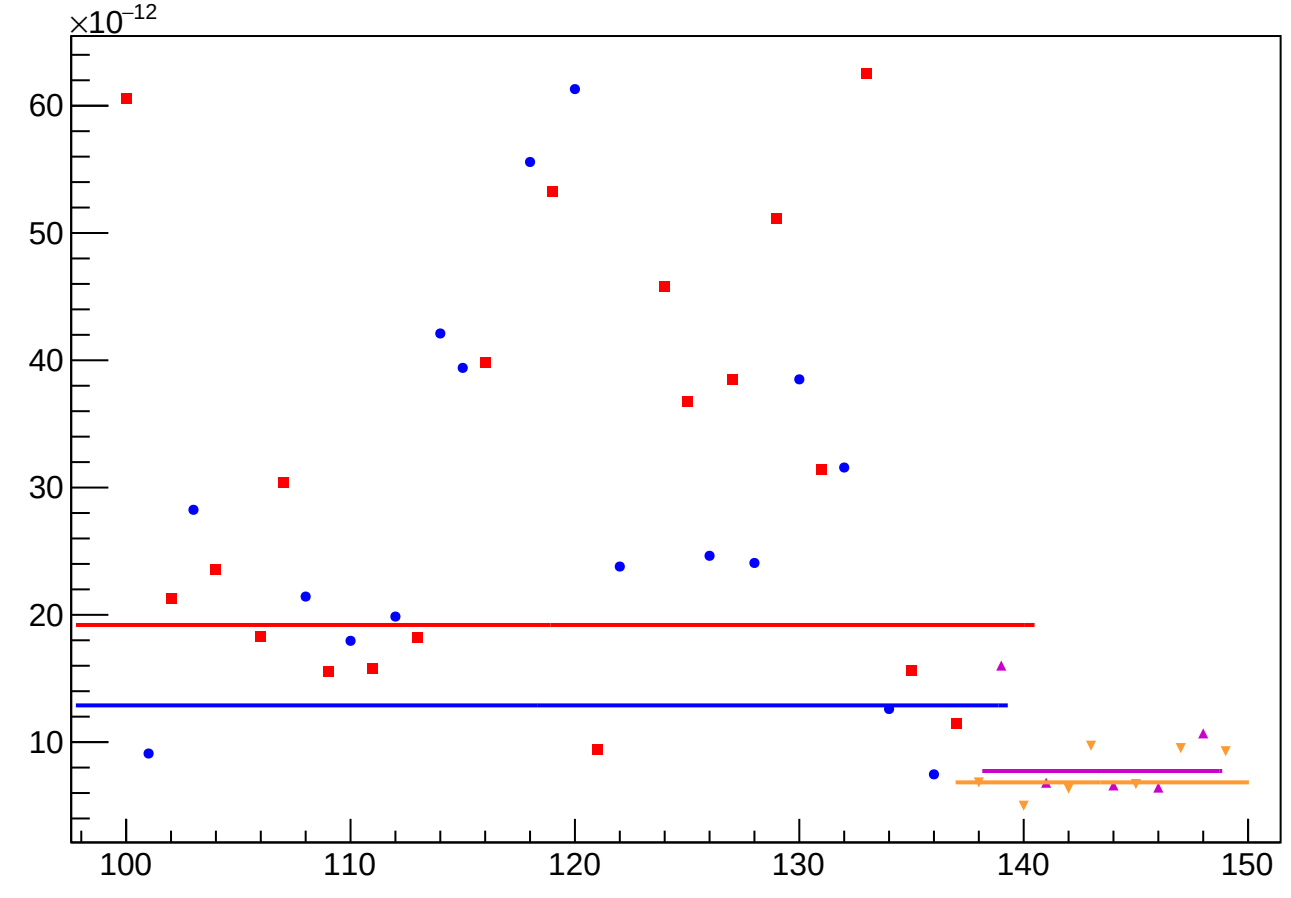
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/4

+ sign -0.000+/-0.000 χ^2/NDF: 18.6/22

All: -0.000+/-0.000 χ^2/NDF: 56.2/46

- 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:224985.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

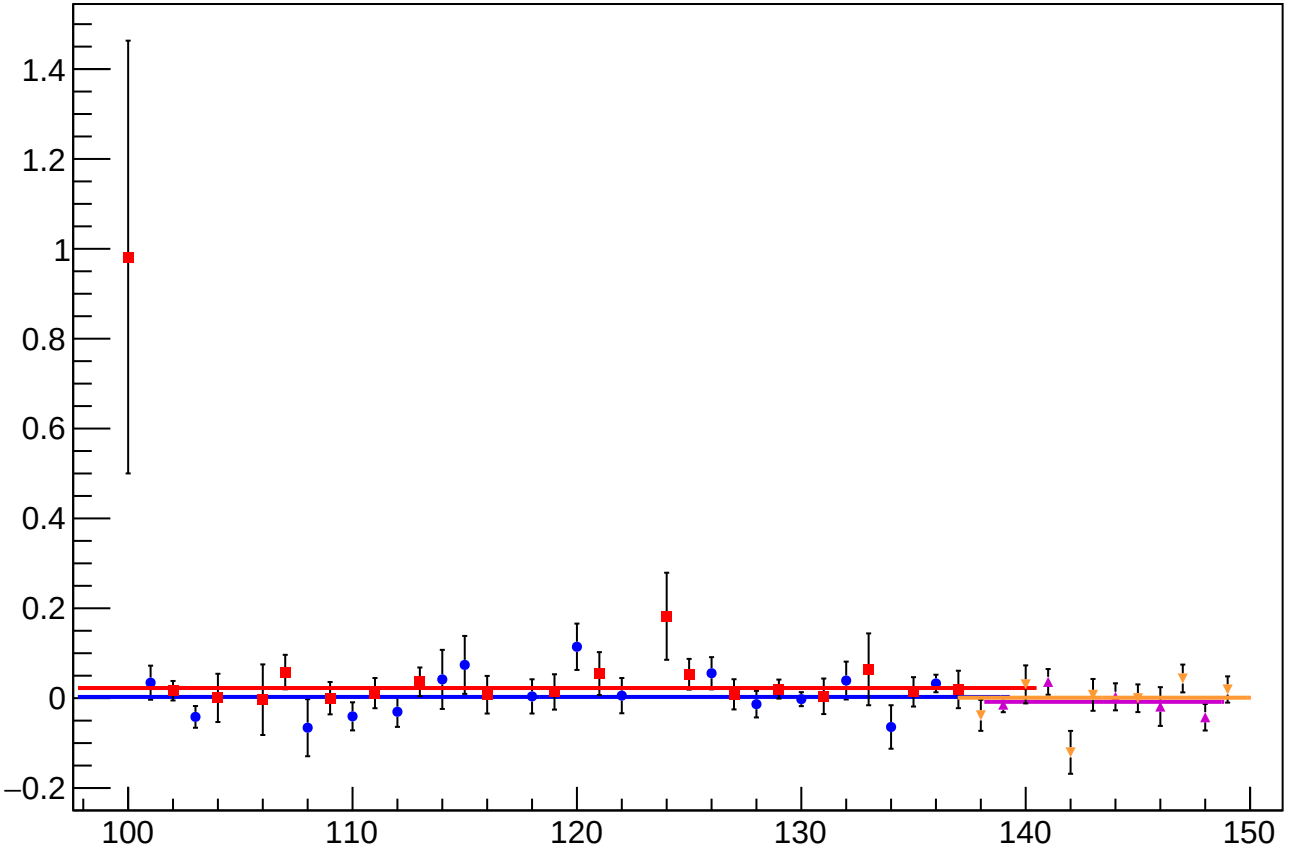
Left In: 0.000+/-0.000 χ^2/NDF:407102.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 2672488.7/22

All: 0.000+/-0.000 χ^2/NDF: 6022795.0/46

- 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: 0.001+/-0.013 χ^2/NDF:10.6/6

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

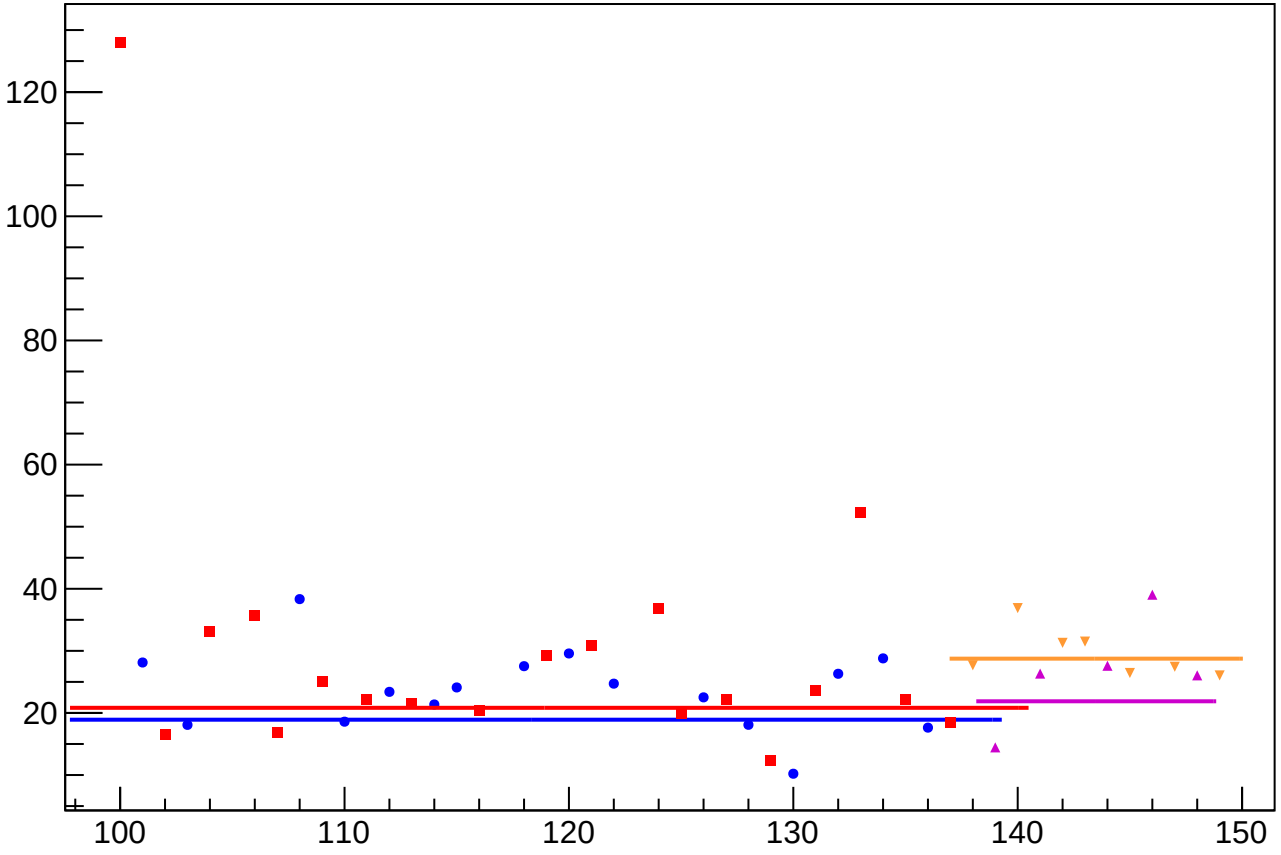
Left In: -0.008+/-0.012 χ^2/NDF:4.1/4

+ sign 0.002+/-0.007 χ^2/NDF: 32.6/22

All: 0.007+/-0.005 χ^2/NDF: 53.1/46

- 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: 28.745+/-0.009 χ^2/NDF:125633.1/6

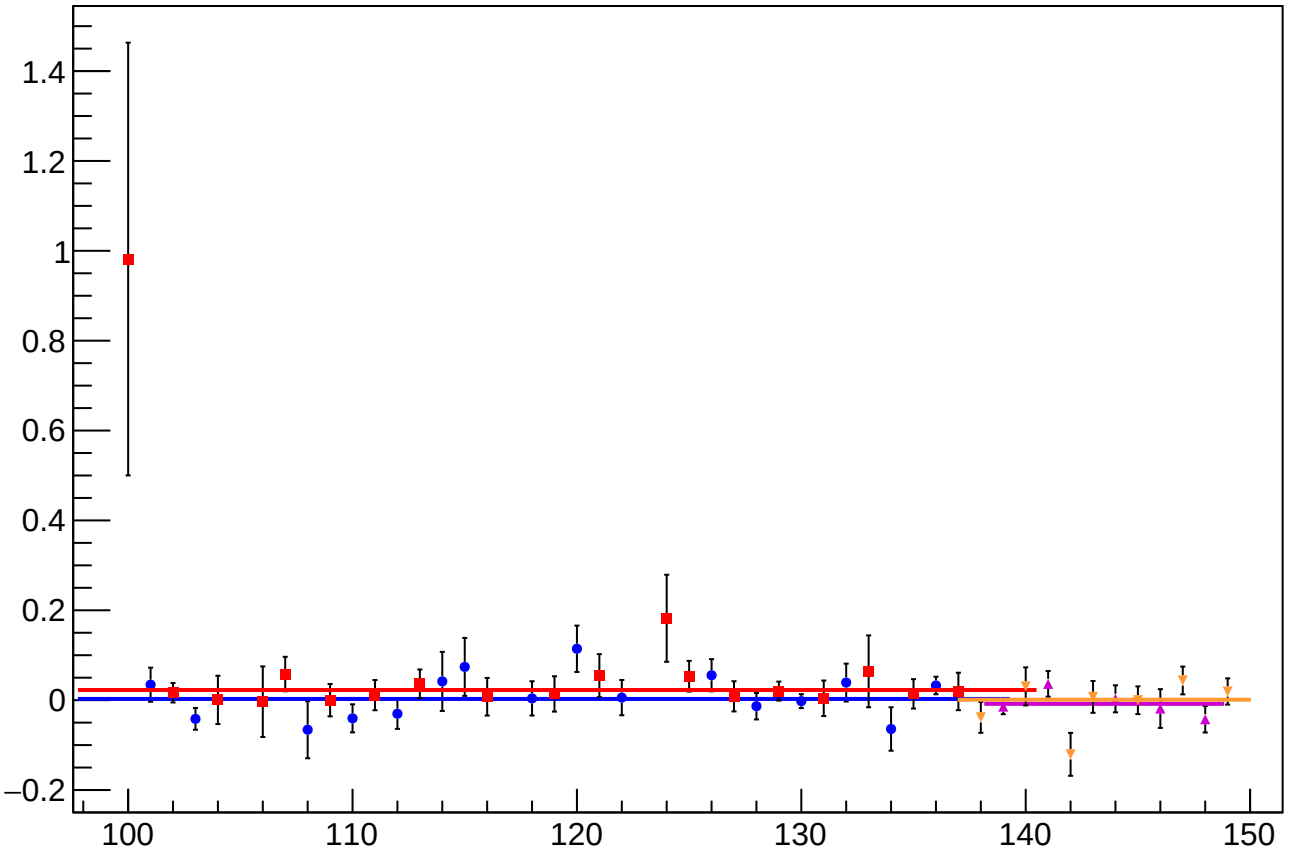
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.877+/-0.008 χ^2/NDF:861216.7/4

+ sign 21.512+/-0.005 χ^2/NDF: 2355897.0/22

All: 21.355+/-0.003 χ^2/NDF: 4521671.8/46

- 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: 0.001+/-0.013 χ^2/NDF:10.6/6

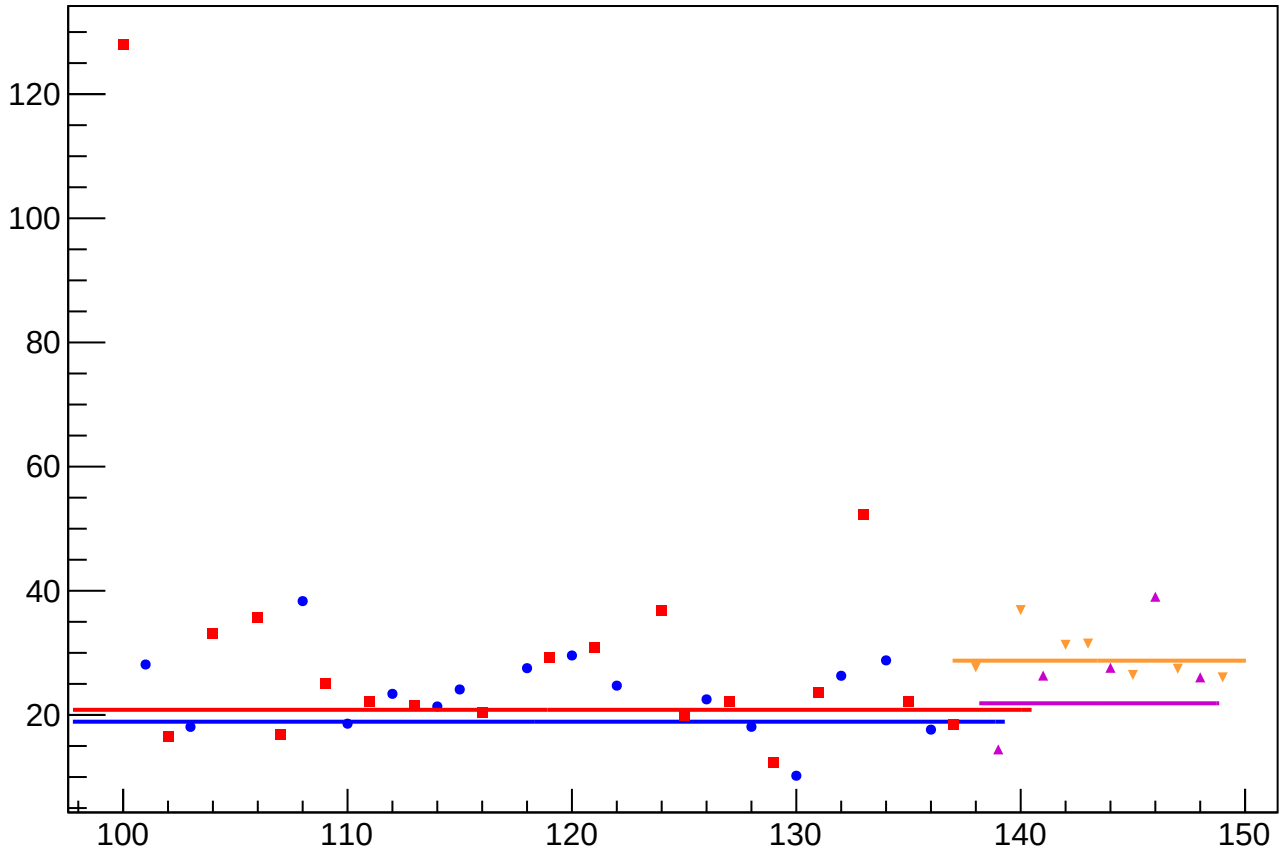
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.008+/-0.012 χ^2/NDF:4.1/4

+ sign 0.002+/-0.007 χ^2/NDF: 32.6/22

All: 0.007+/-0.005 χ^2/NDF: 53.1/46

- 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: 28.745+/-0.009 χ^2/NDF:125633.1/6

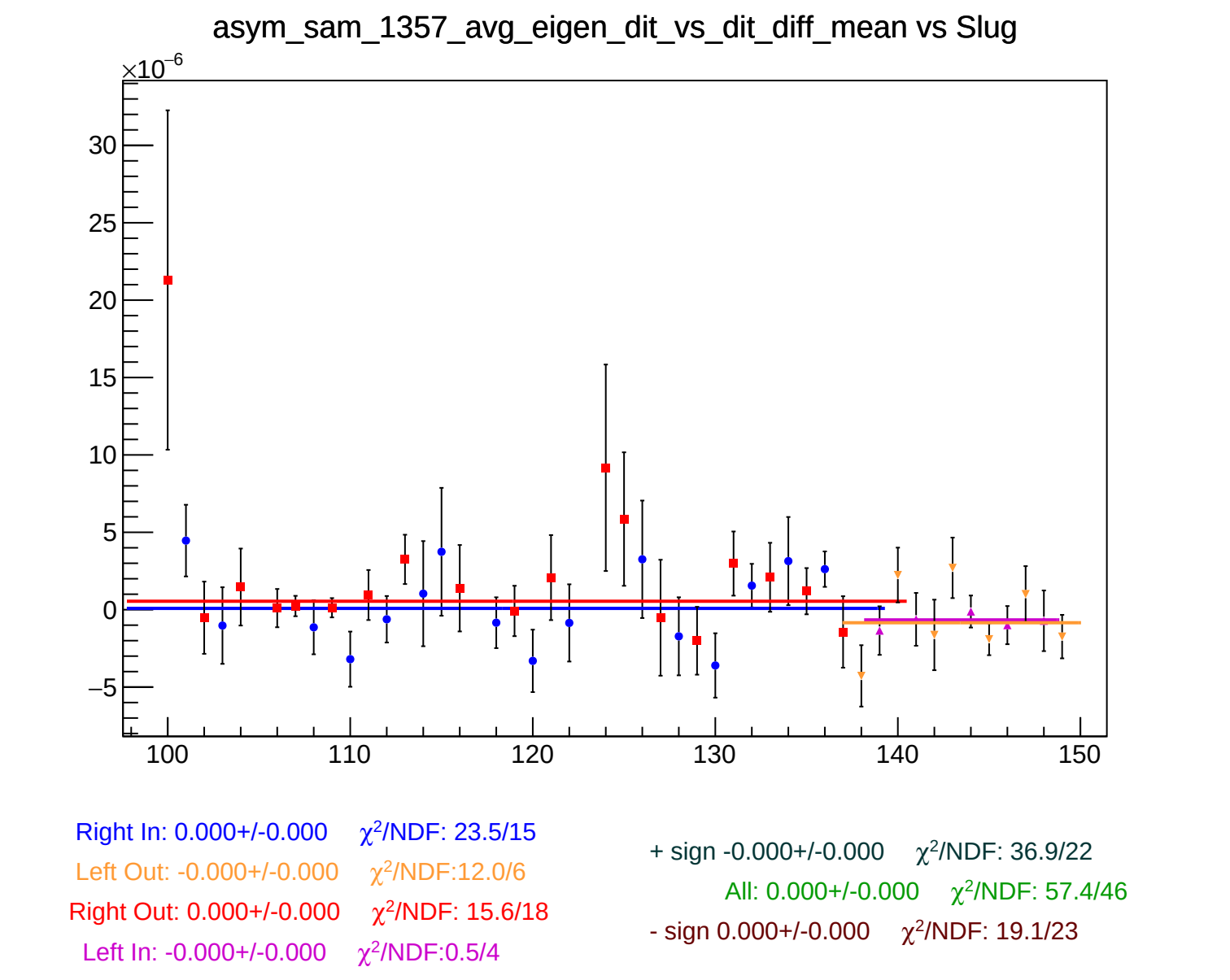
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

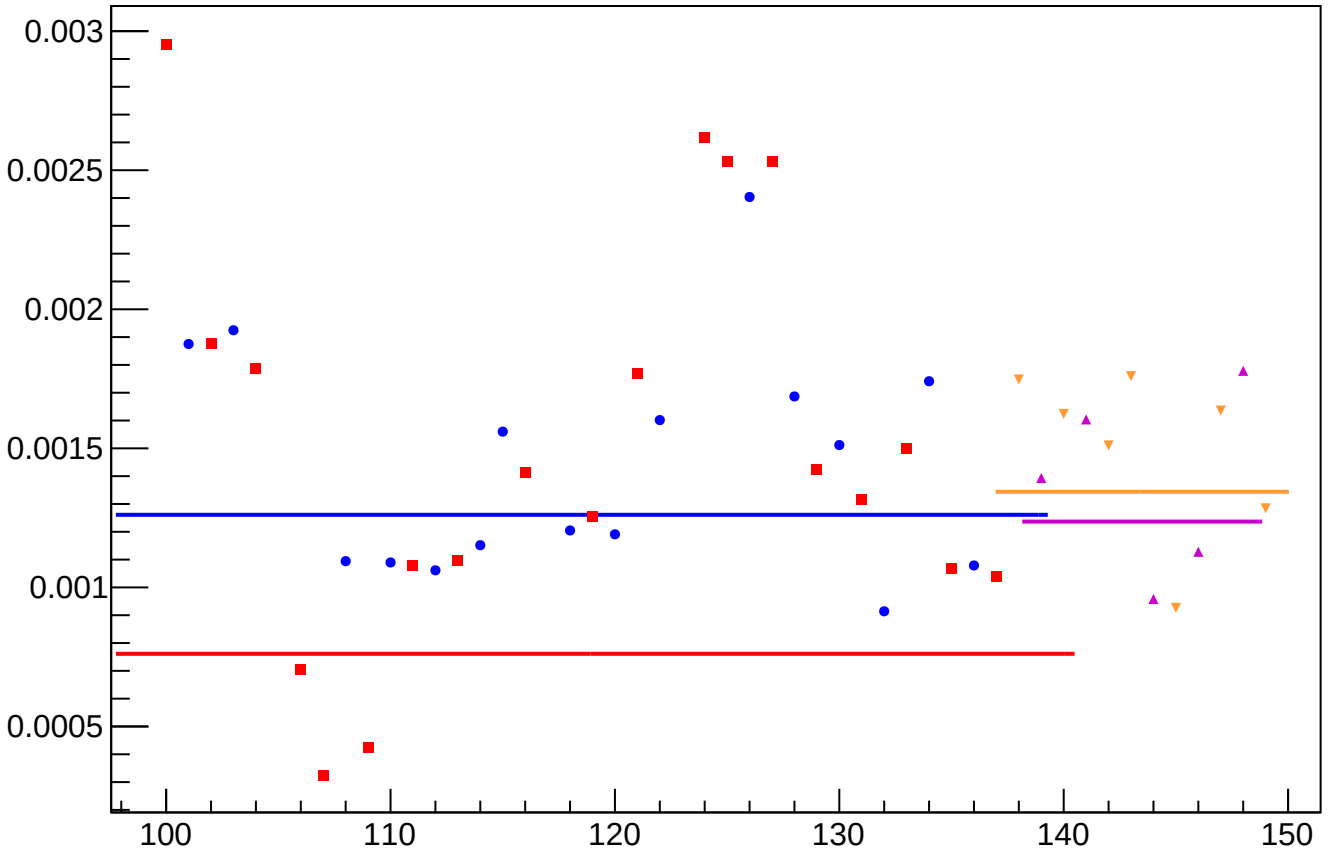
Left In: 21.877+/-0.008 χ^2/NDF:861216.7/4

+ sign 21.512+/-0.005 χ^2/NDF: 2355897.0/22

All: 21.355+/-0.003 χ^2/NDF: 4521671.8/46

- sign 21.192+/-0.005 χ^2/NDF: 2163533.2/23


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−6
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.5/15
Left Out: -0.000+/-0.000 χ²/NDF:12.0/6
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/18
Left In: -0.000+/-0.000 χ²/NDF:0.5/4
+ sign -0.000+/-0.000 χ²/NDF: 36.9/22
All: 0.000+/-0.000 χ²/NDF: 57.4/46
- sign 0.000+/-0.000 χ²/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:617285.1/6

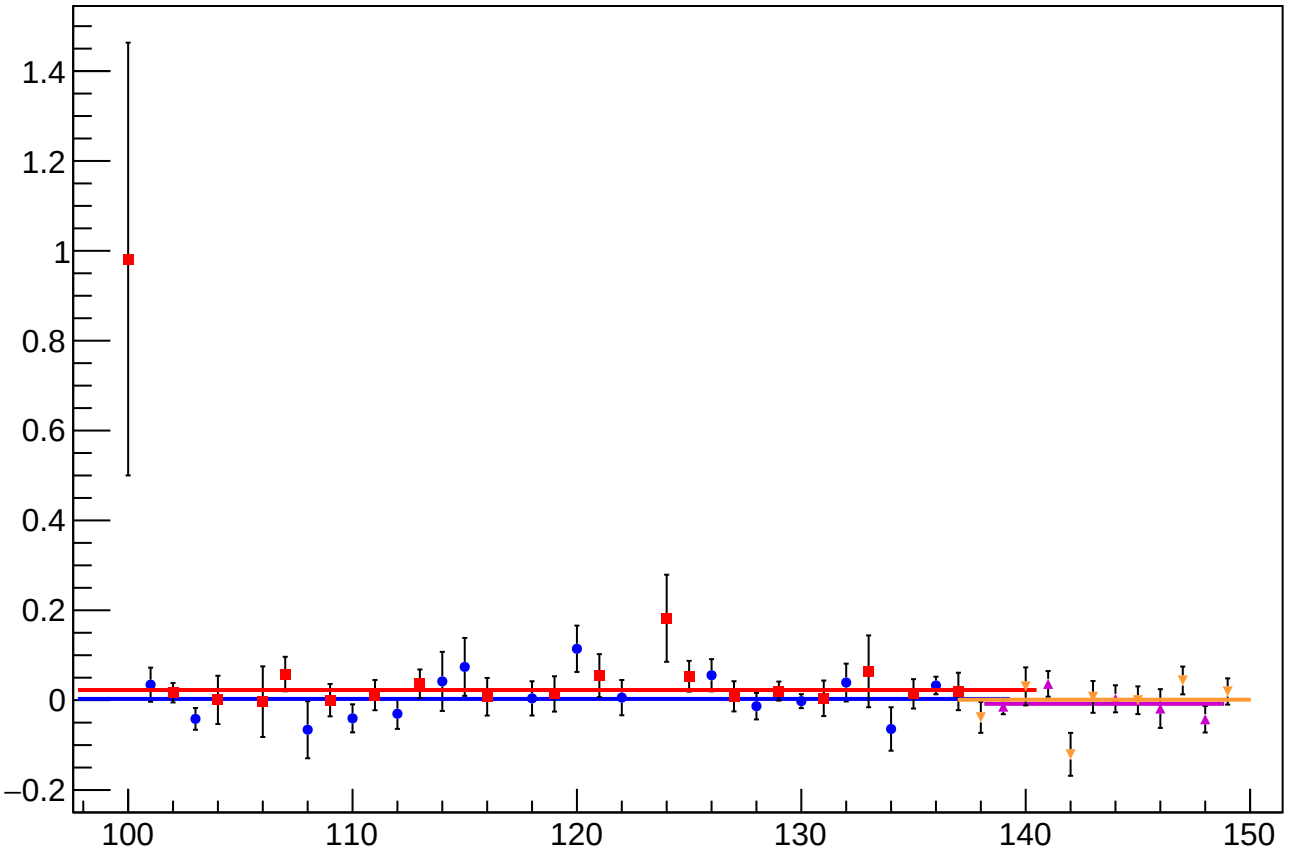
Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:425617.9/4

+ sign 0.001+/-0.000 χ^2/NDF: 1547577.8/22

All: 0.001+/-0.000 χ^2/NDF: 9102808.4/46

- 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: 0.001+/-0.013 χ^2/NDF:10.6/6

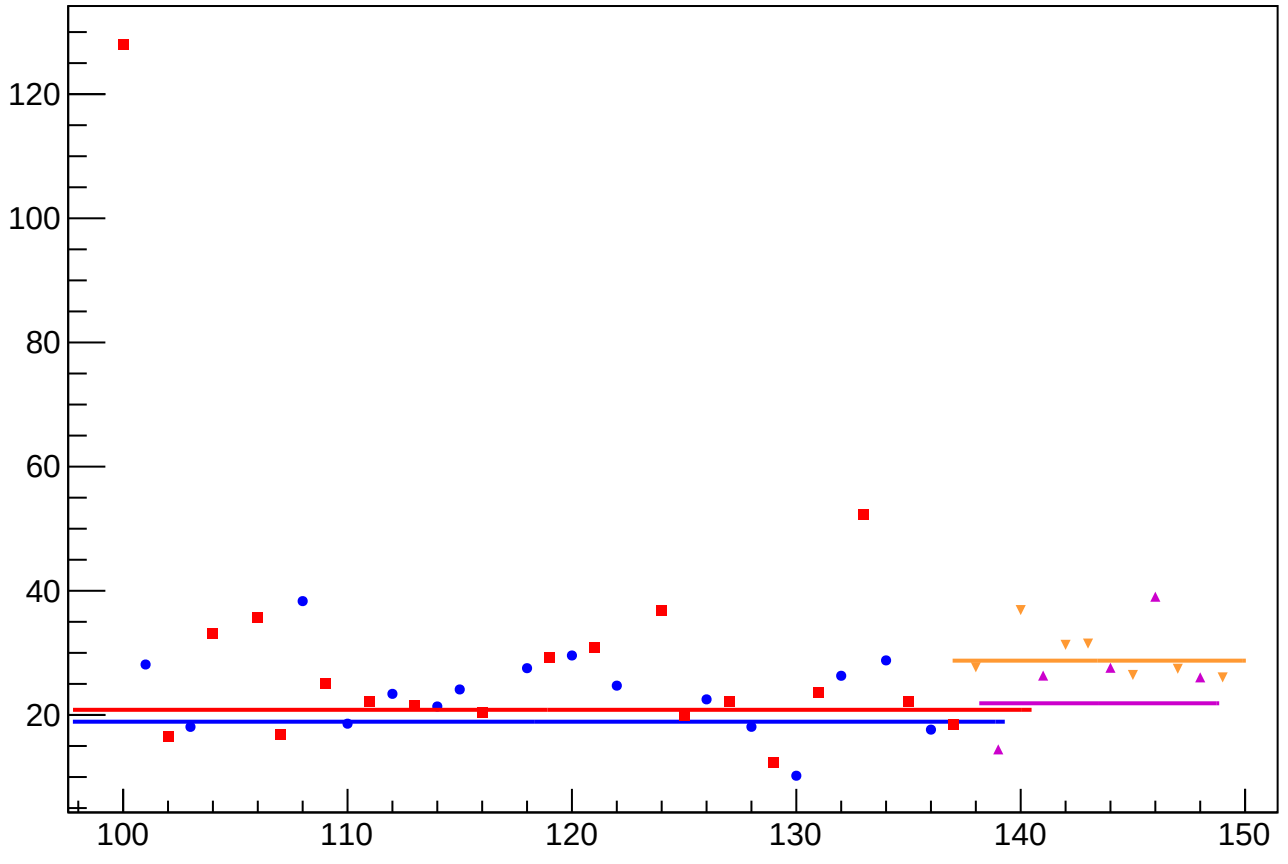
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.008+/-0.012 χ^2/NDF:4.1/4

+ sign 0.002+/-0.007 χ^2/NDF: 32.6/22

All: 0.007+/-0.005 χ^2/NDF: 53.1/46

- 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: 28.746+/-0.009 χ^2/NDF:125638.9/6

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

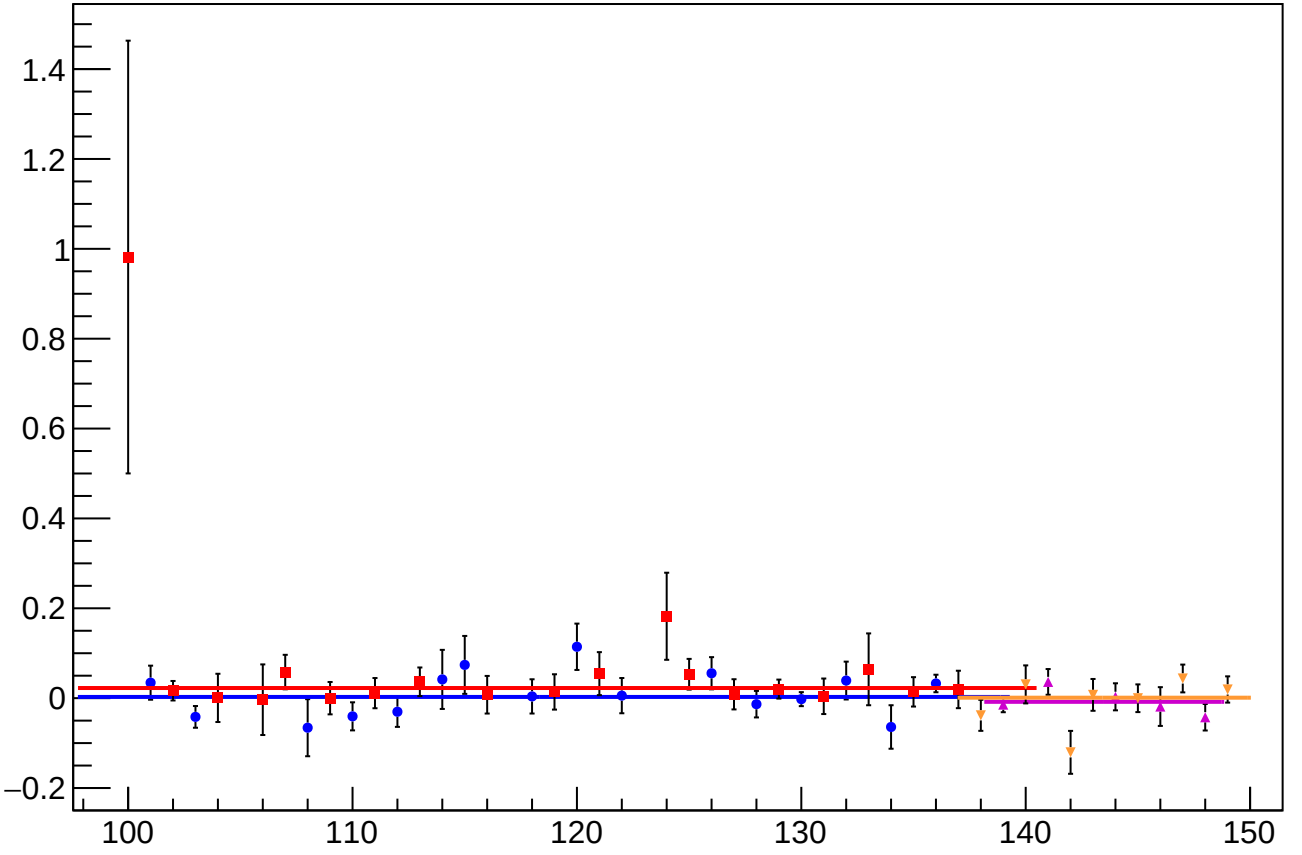
Left In: 21.878+/-0.008 χ^2/NDF:861147.5/4

\+ sign 21.513+/-0.005 χ^2/NDF: 2355769.8/22

All: 21.356+/-0.003 χ^2/NDF: 4521482.0/46

\- sign 21.193+/-0.005 χ^2/NDF: 2163469.9/23

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:10.6/6

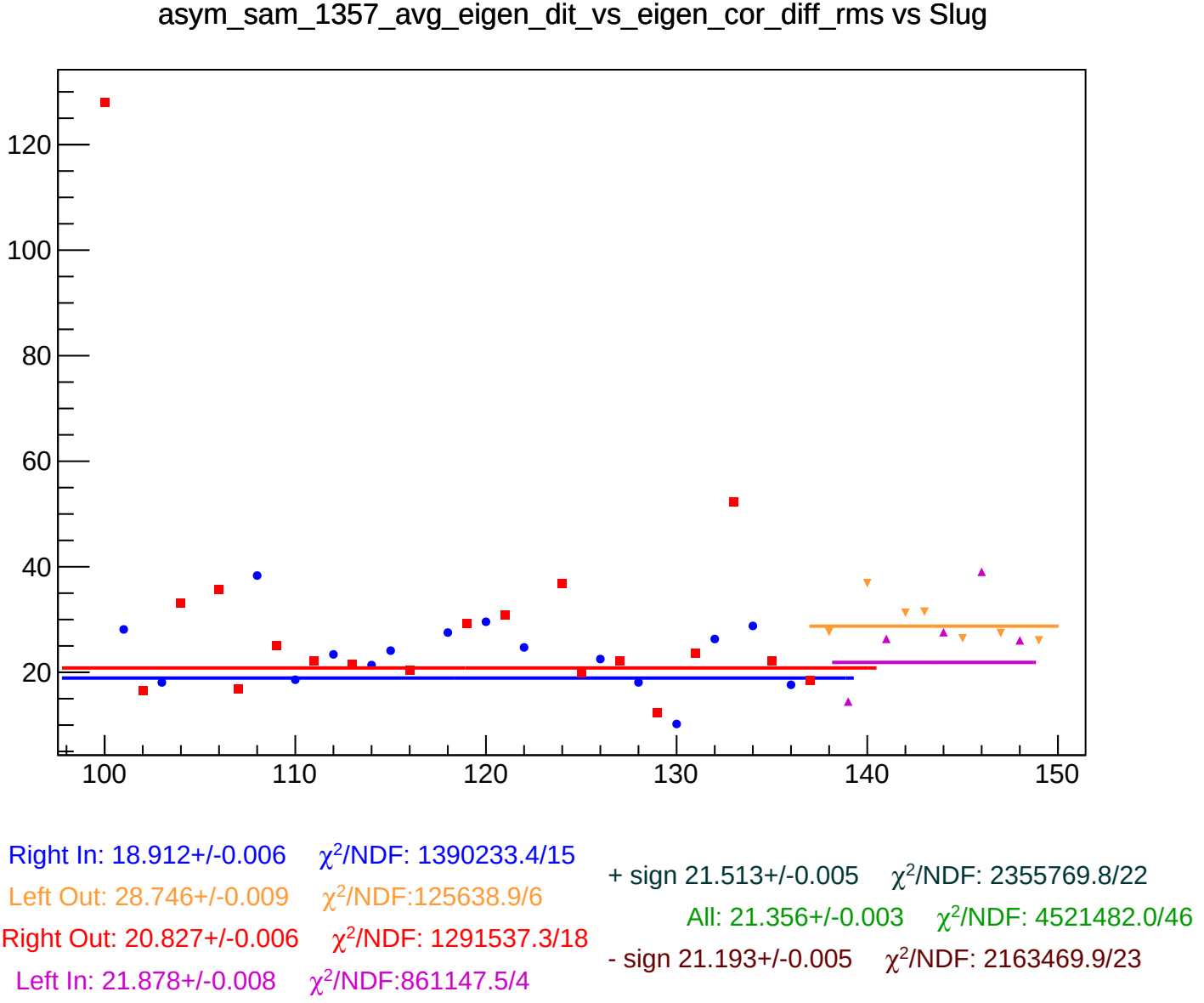
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

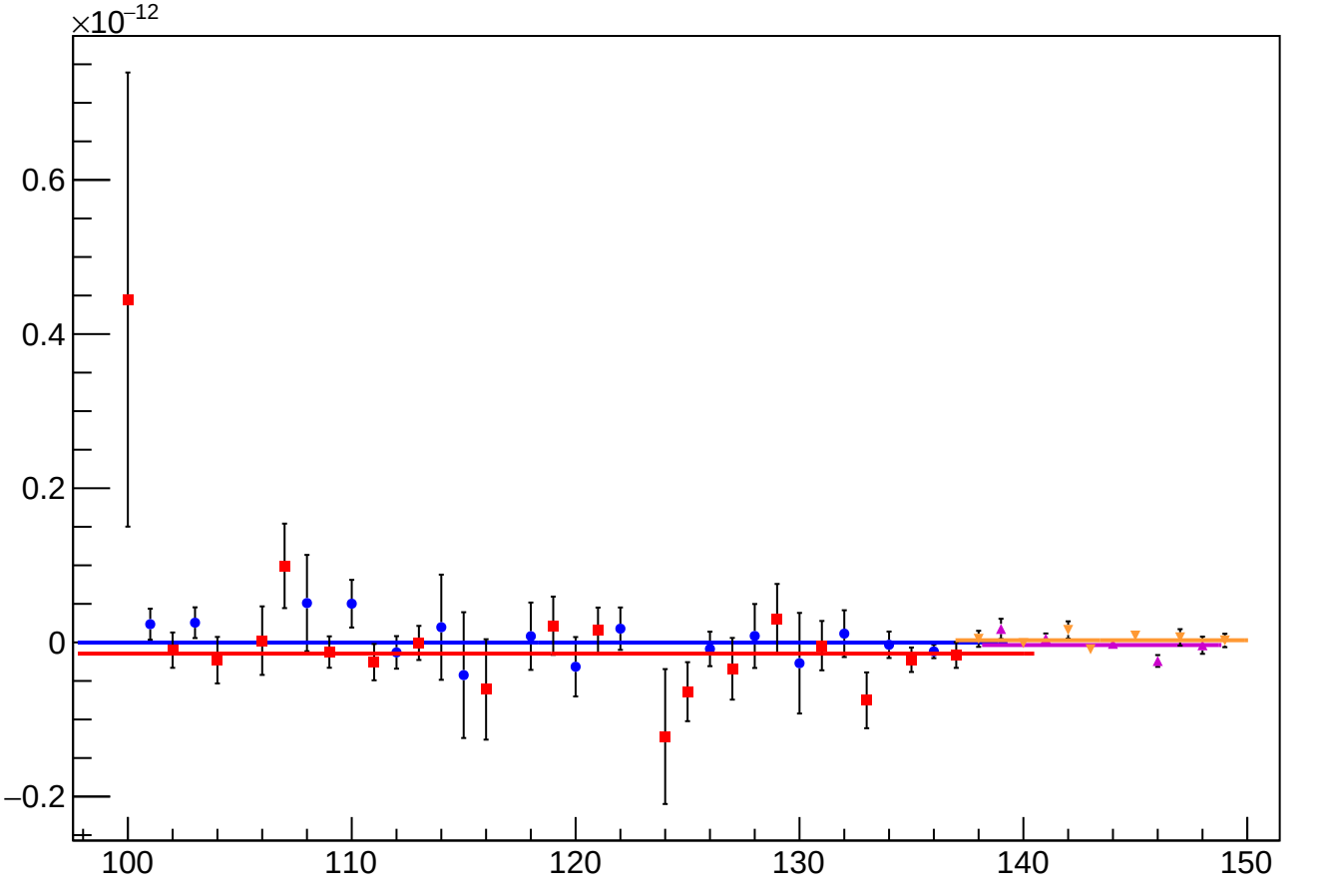
Left In: -0.008+/-0.012 χ^2/NDF:4.1/4

+ sign 0.002+/-0.007 χ^2/NDF: 32.6/22

All: 0.007+/-0.005 χ^2/NDF: 53.1/46

- sign 0.012+/-0.007 χ^2/NDF: 19.5/23


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
120
100
80
60
40
20
100
110
120
130
140
150
Right In: 18.912+/-0.006 χ²/NDF: 1390233.4/15
Left Out: 28.746+/-0.009 χ²/NDF:125638.9/6
Right Out: 20.827+/-0.006 χ²/NDF: 1291537.3/18
Left In: 21.878+/-0.008 χ²/NDF:861147.5/4
+ sign 21.513+/-0.005 χ²/NDF: 2355769.8/22
All: 21.356+/-0.003 χ²/NDF: 4521482.0/46
- sign 21.193+/-0.005 χ²/NDF: 2163469.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/6

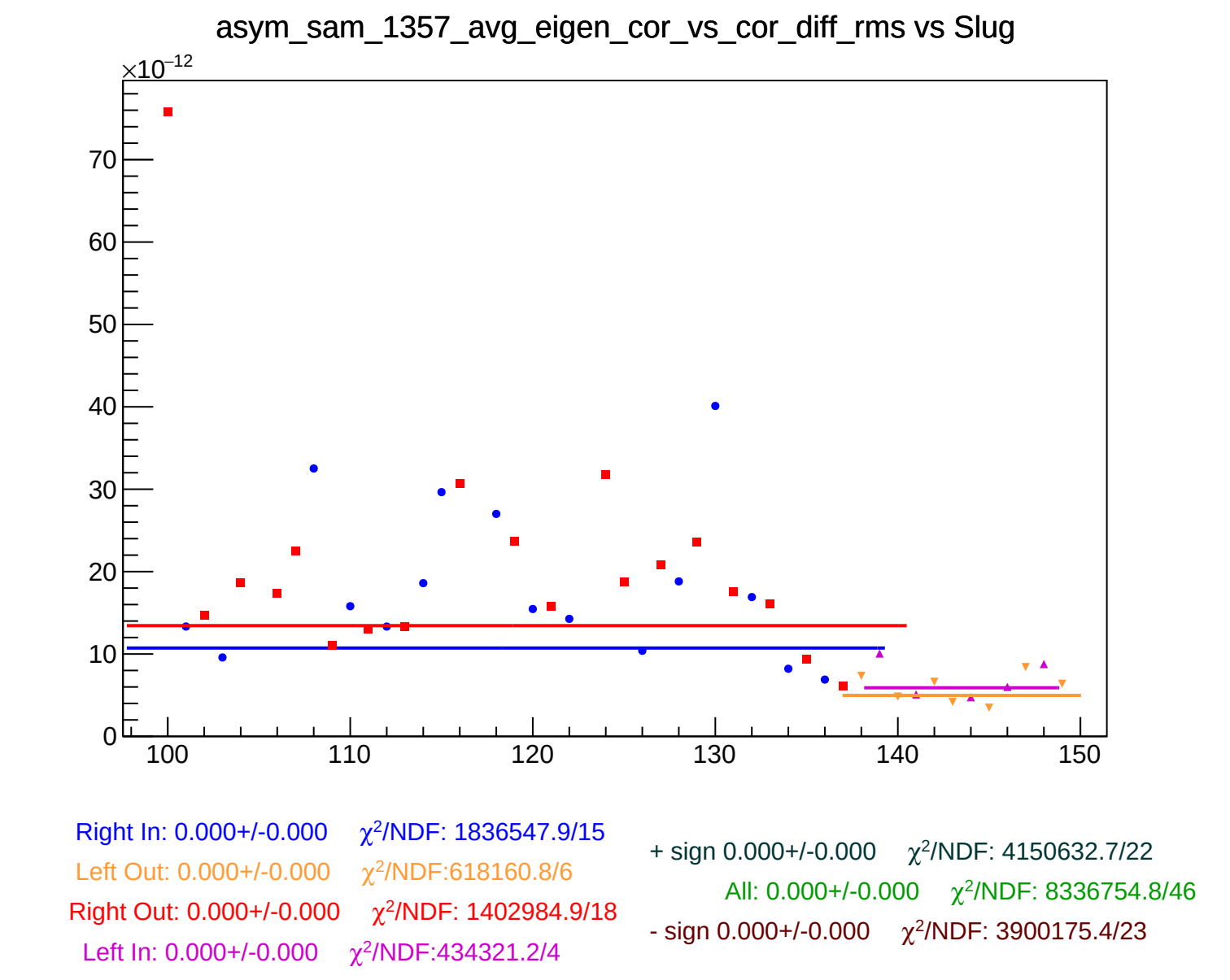
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:11.5/4

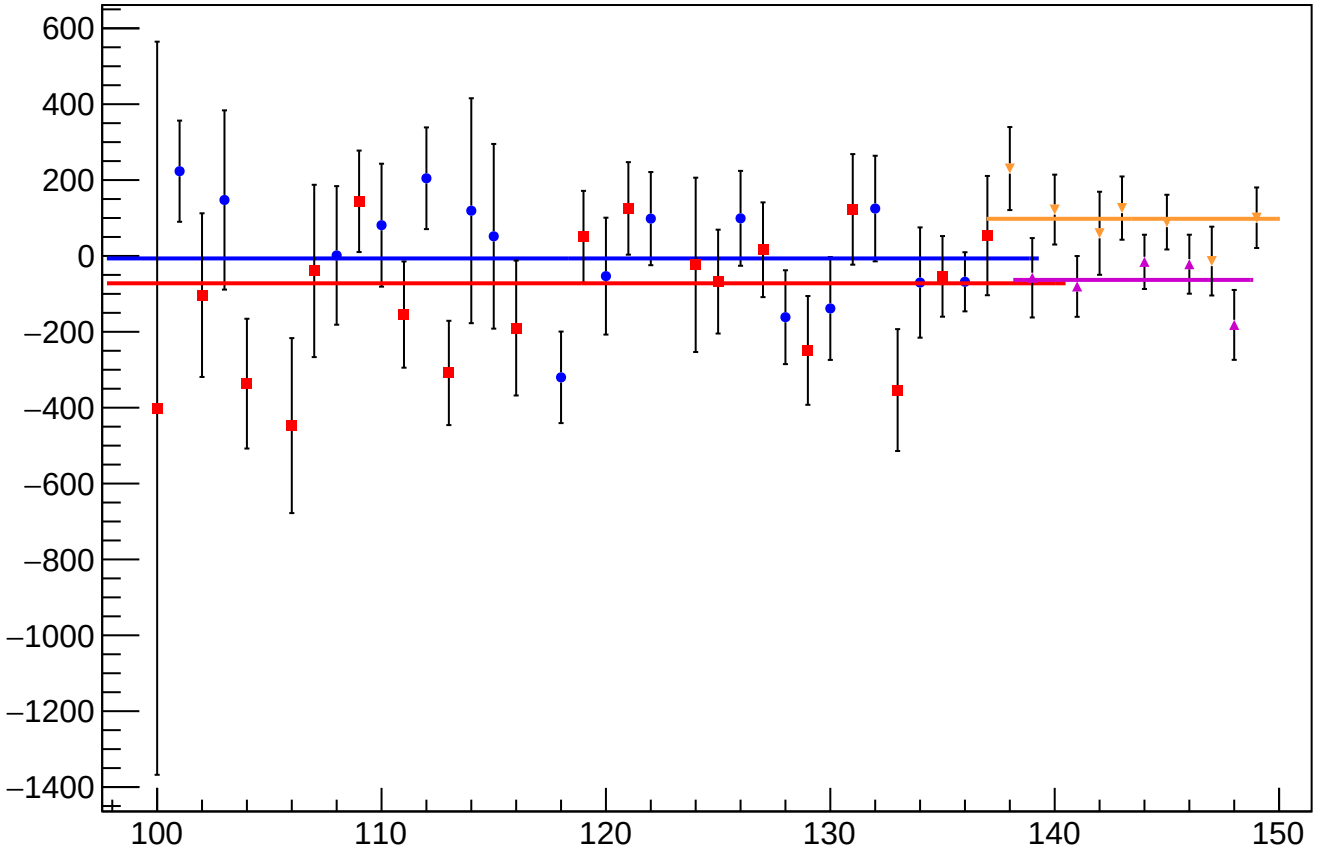
+ sign 0.000+/-0.000 χ^2/NDF: 17.6/22

All: -0.000+/-0.000 χ^2/NDF: 53.1/46

- sign -0.000+/-0.000 χ^2/NDF: 31.4/23


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:618160.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:434321.2/4
+ sign 0.000+/-0.000 χ²/NDF: 4150632.7/22
All: 0.000+/-0.000 χ²/NDF: 8336754.8/46
- sign 0.000+/-0.000 χ²/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: 97.907+/-33.342 χ^2/NDF:3.3/6

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

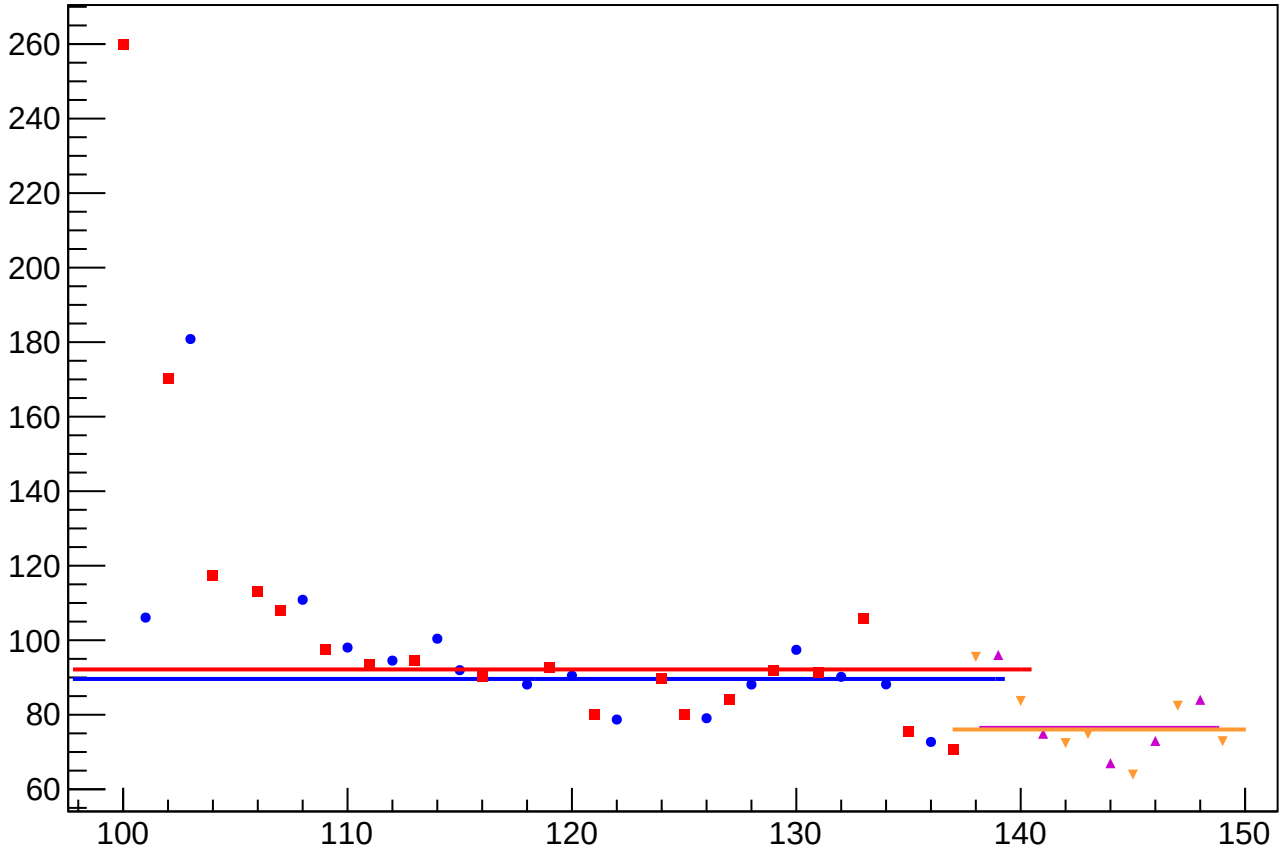
Left In: -63.147+/-37.111 χ^2/NDF:2.4/4

+ sign 47.133+/-23.903 χ^2/NDF: 27.0/22

All: -6.861+/-17.413 χ^2/NDF: 63.1/46

- 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: 76.042+/-0.024 χ^2/NDF:149301.7/6

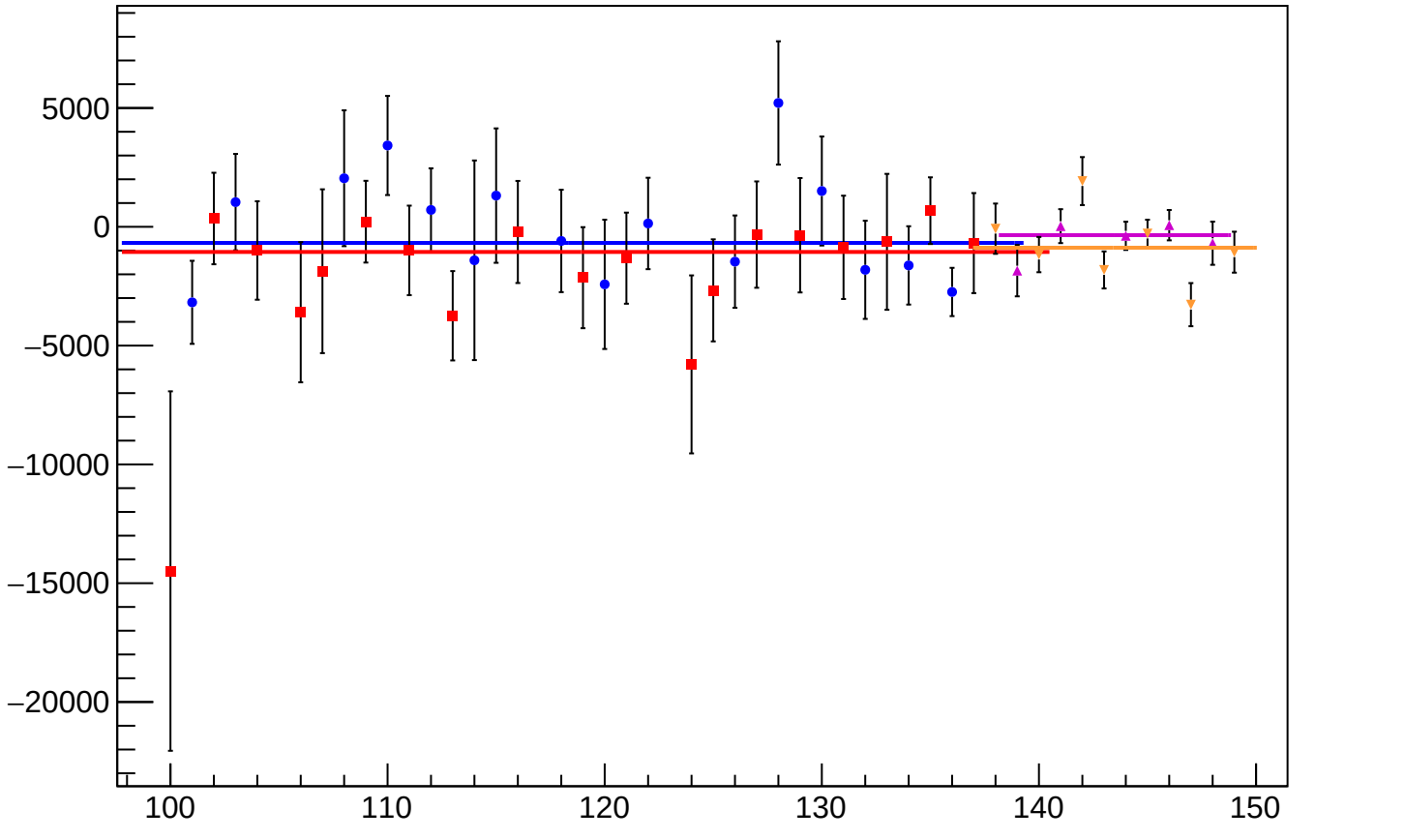
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 76.472+/-0.026 χ^2/NDF:123271.7/4

+ sign 82.634+/-0.017 χ^2/NDF: 808497.6/22

All: 83.651+/-0.012 χ^2/NDF: 1671338.1/46

- 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: -880.275+/-303.612 χ^2/NDF:17.9/6

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

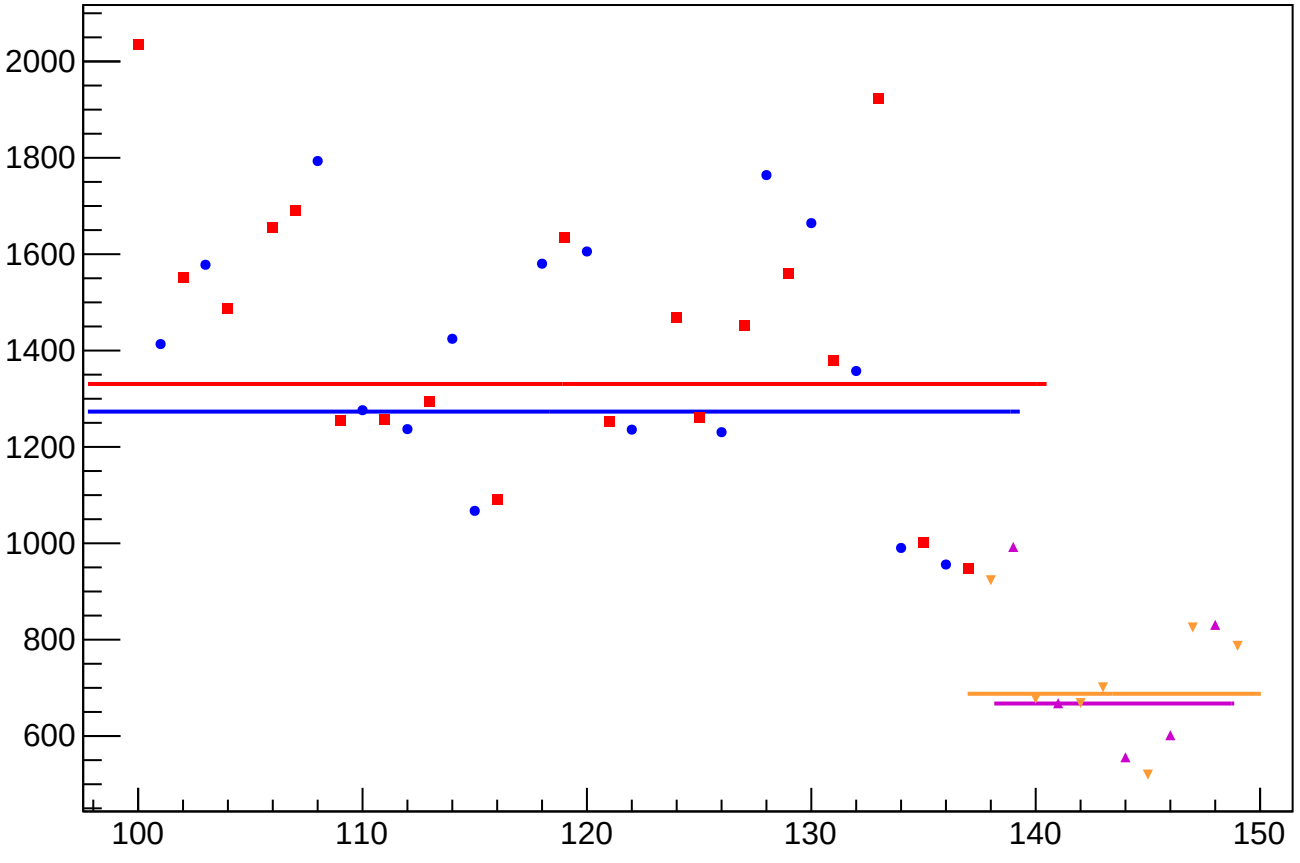
Left In: -351.134+/-327.690 χ^2/NDF:2.8/4

+ sign -823.400+/-257.566 χ^2/NDF: 38.3/22

All: -702.372+/-187.497 χ^2/NDF: 54.4/46

- 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: 687.728+/-0.215 χ^2/NDF:339509.2/6

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

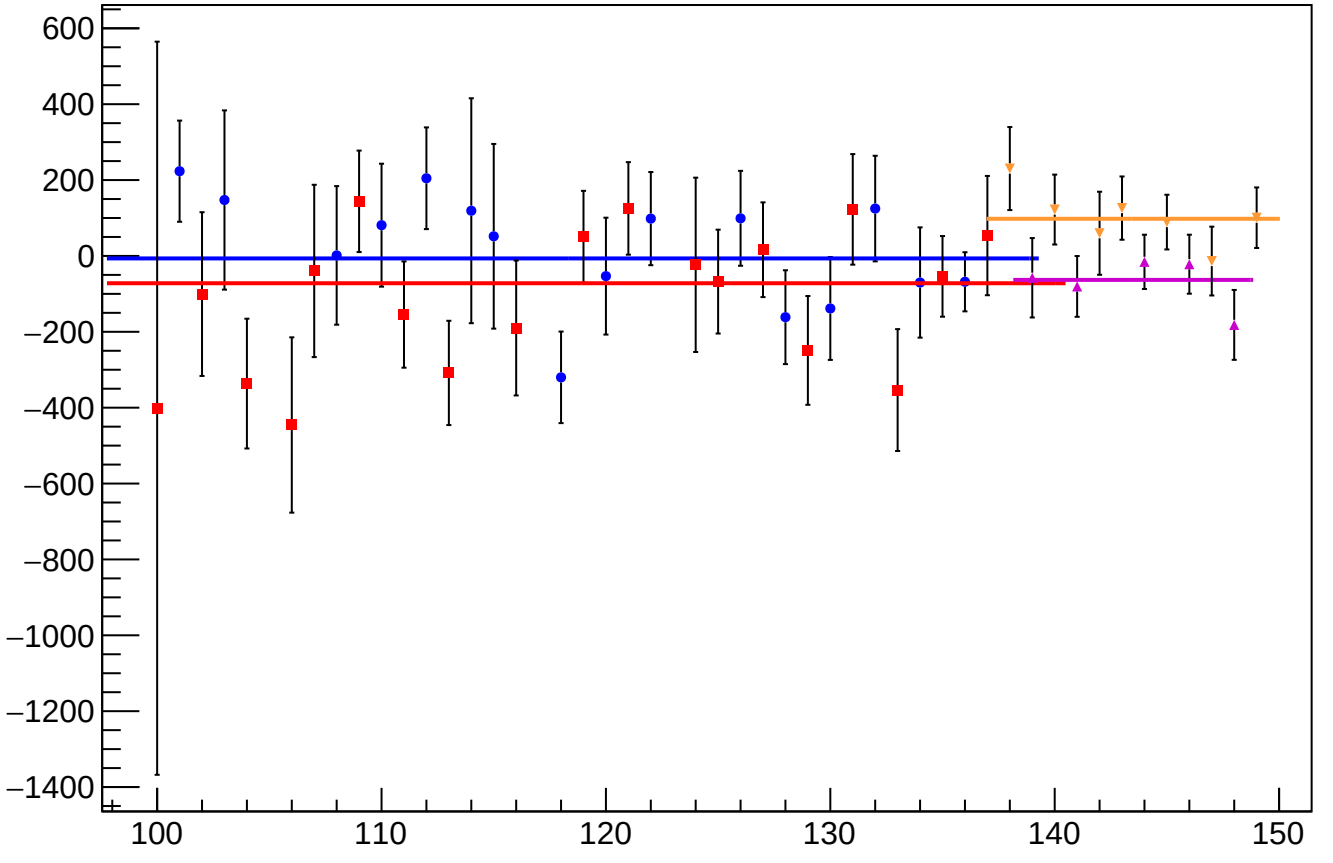
Left In: 667.514+/-0.232 χ^2/NDF:336892.6/4

+ sign 851.881+/-0.182 χ^2/NDF: 3022663.1/22

All: 859.844+/-0.133 χ^2/NDF: 6320834.4/46

- 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: 97.920+/-33.342 χ^2/NDF:3.3/6

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

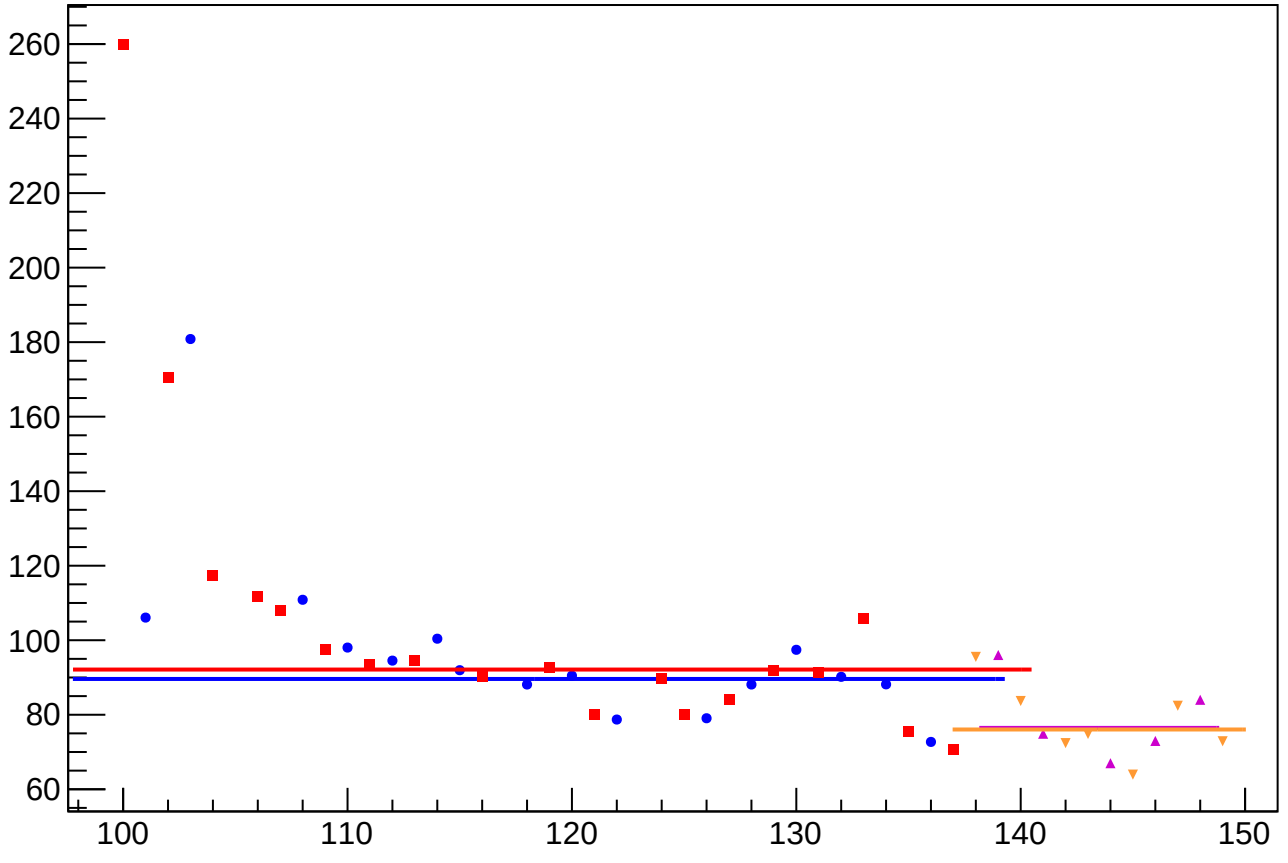
Left In: -63.155+/-37.111 χ^2/NDF:2.4/4

+ sign 47.135+/-23.903 χ^2/NDF: 27.0/22

All: -6.824+/-17.413 χ^2/NDF: 63.1/46

- 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: 76.042+/-0.024 χ^2/NDF:149301.6/6

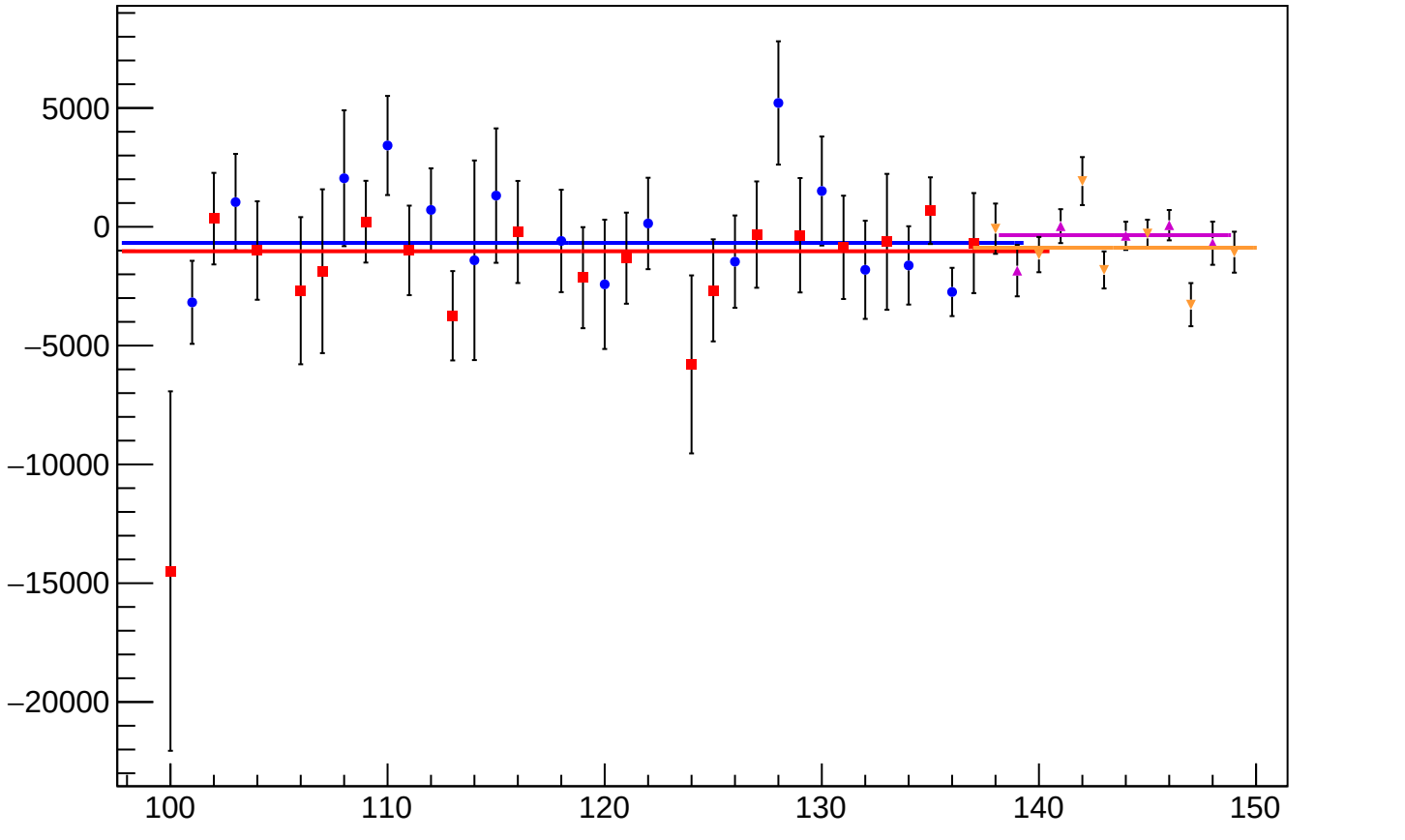
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.472+/-0.026 χ^2/NDF:123271.7/4

+ sign 82.634+/-0.017 χ^2/NDF: 808501.1/22

All: 83.643+/-0.012 χ^2/NDF: 1668674.7/46

- 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: -880.264+/-303.611 χ^2/NDF:17.9/6

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

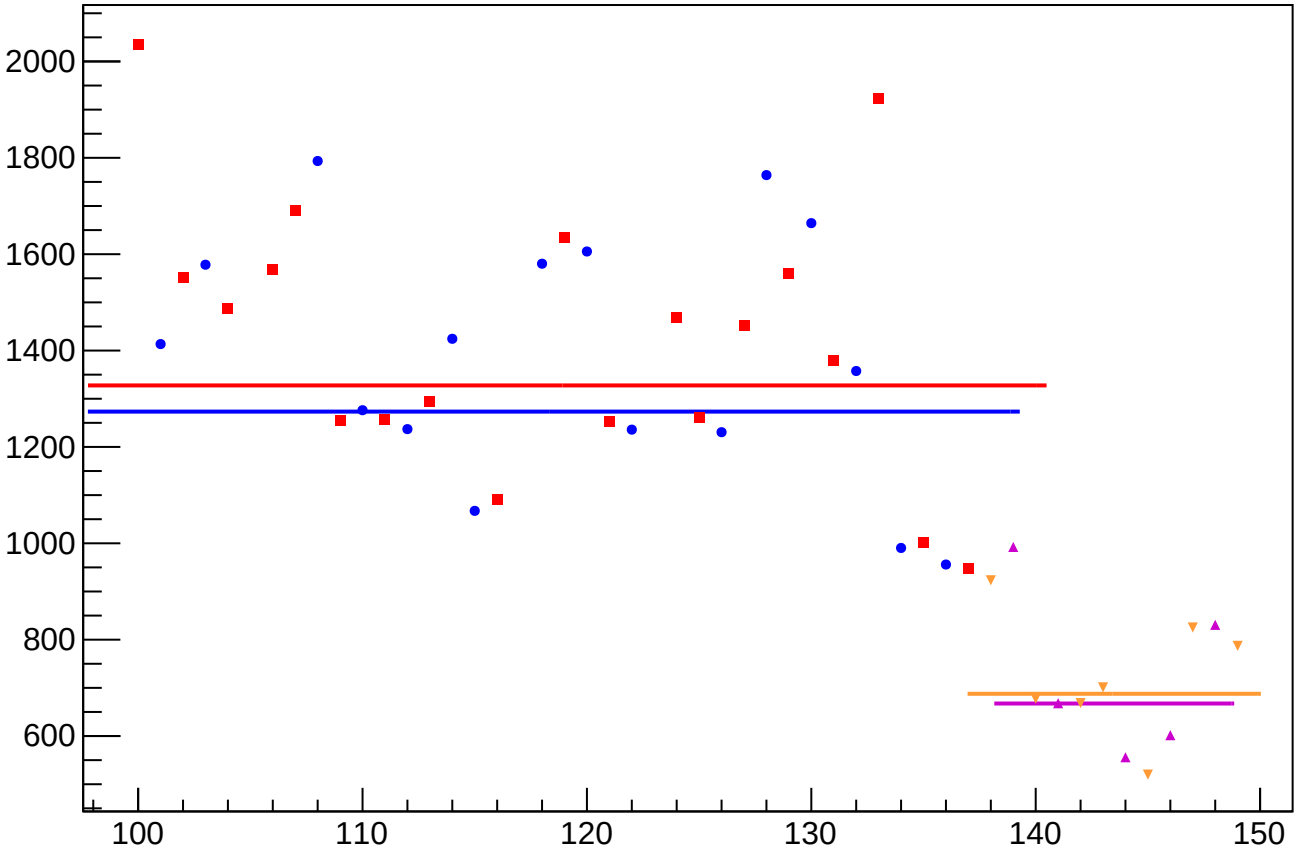
Left In: -351.143+/-327.690 χ^2/NDF:2.8/4

+ sign -823.383+/-257.567 χ^2/NDF: 38.3/22

All: -698.048+/-187.533 χ^2/NDF: 53.9/46

- 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: 687.728+/-0.215 χ^2/NDF:339510.3/6

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

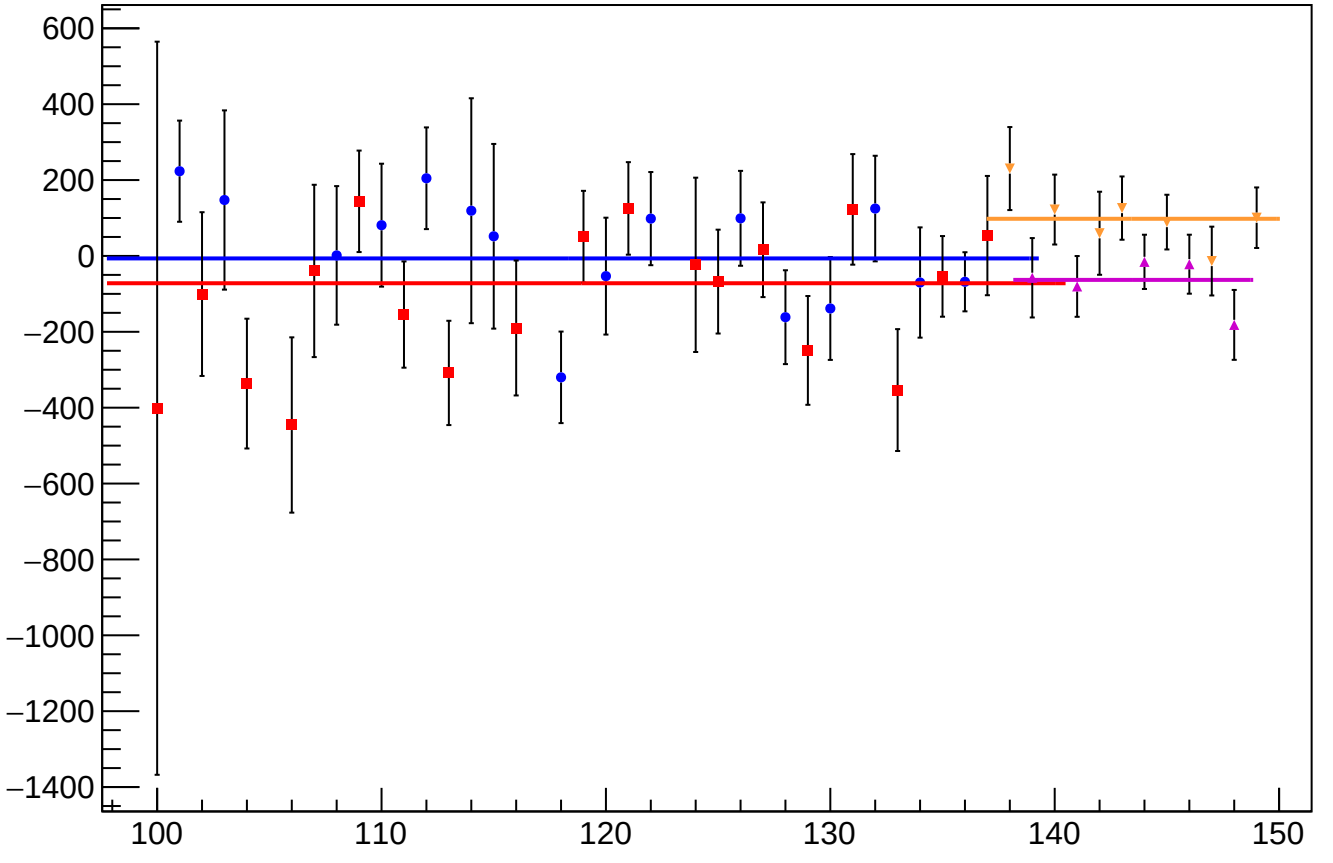
Left In: 667.514+/-0.232 χ^2/NDF:336891.3/4

+ sign 851.880+/-0.182 χ^2/NDF: 3022708.3/22

All: 859.234+/-0.133 χ^2/NDF: 6280831.1/46

- 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: 97.920+/-33.342 χ^2/NDF:3.3/6

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

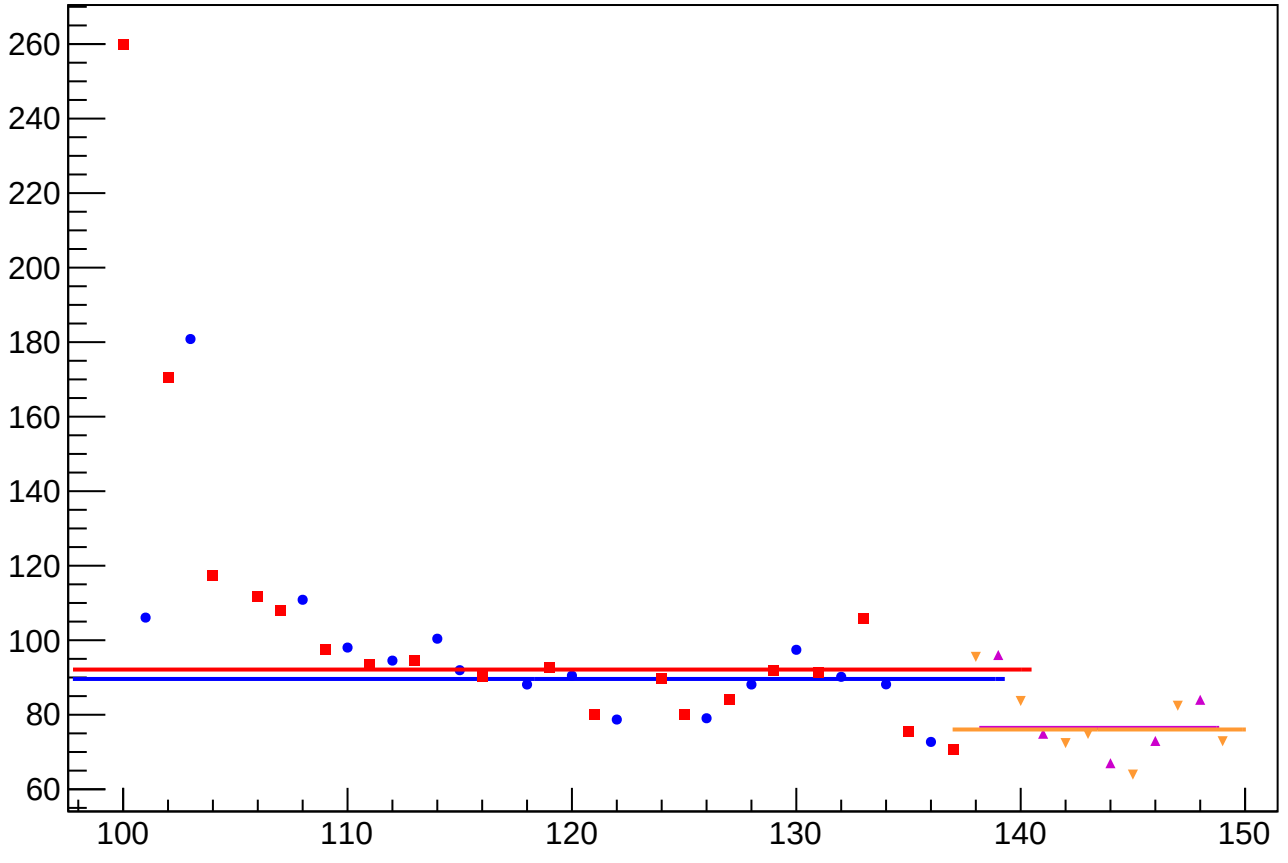
Left In: -63.155+/-37.111 χ^2/NDF:2.4/4

\+ sign 47.135+/-23.903 χ^2/NDF: 27.0/22

All: -6.824+/-17.413 χ^2/NDF: 63.1/46

\- 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: 76.042+/-0.024 χ^2/NDF:149301.6/6

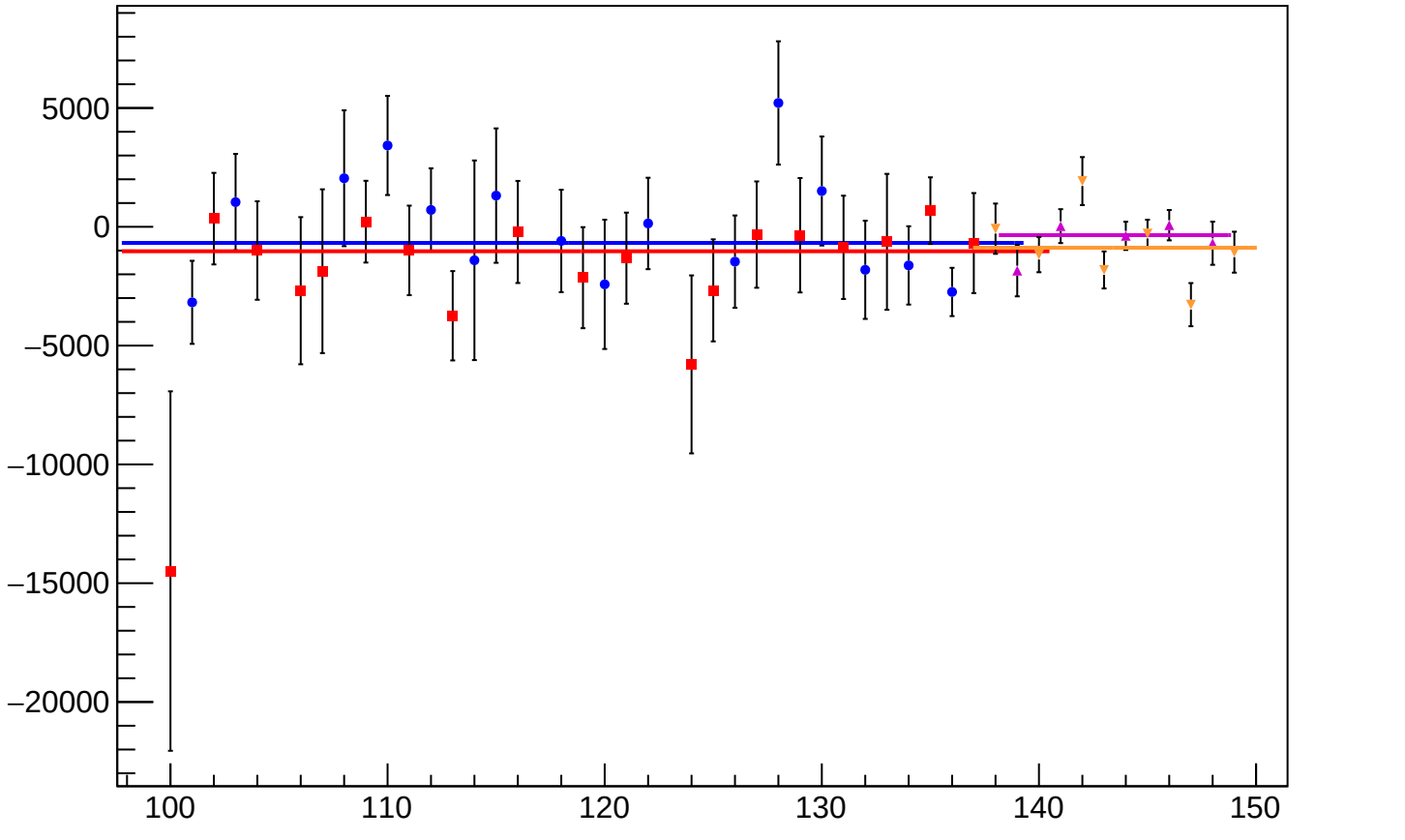
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.472+/-0.026 χ^2/NDF:123271.7/4

+ sign 82.634+/-0.017 χ^2/NDF: 808501.1/22

All: 83.643+/-0.012 χ^2/NDF: 1668674.7/46

- 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: -880.264+/-303.611 χ^2/NDF:17.9/6

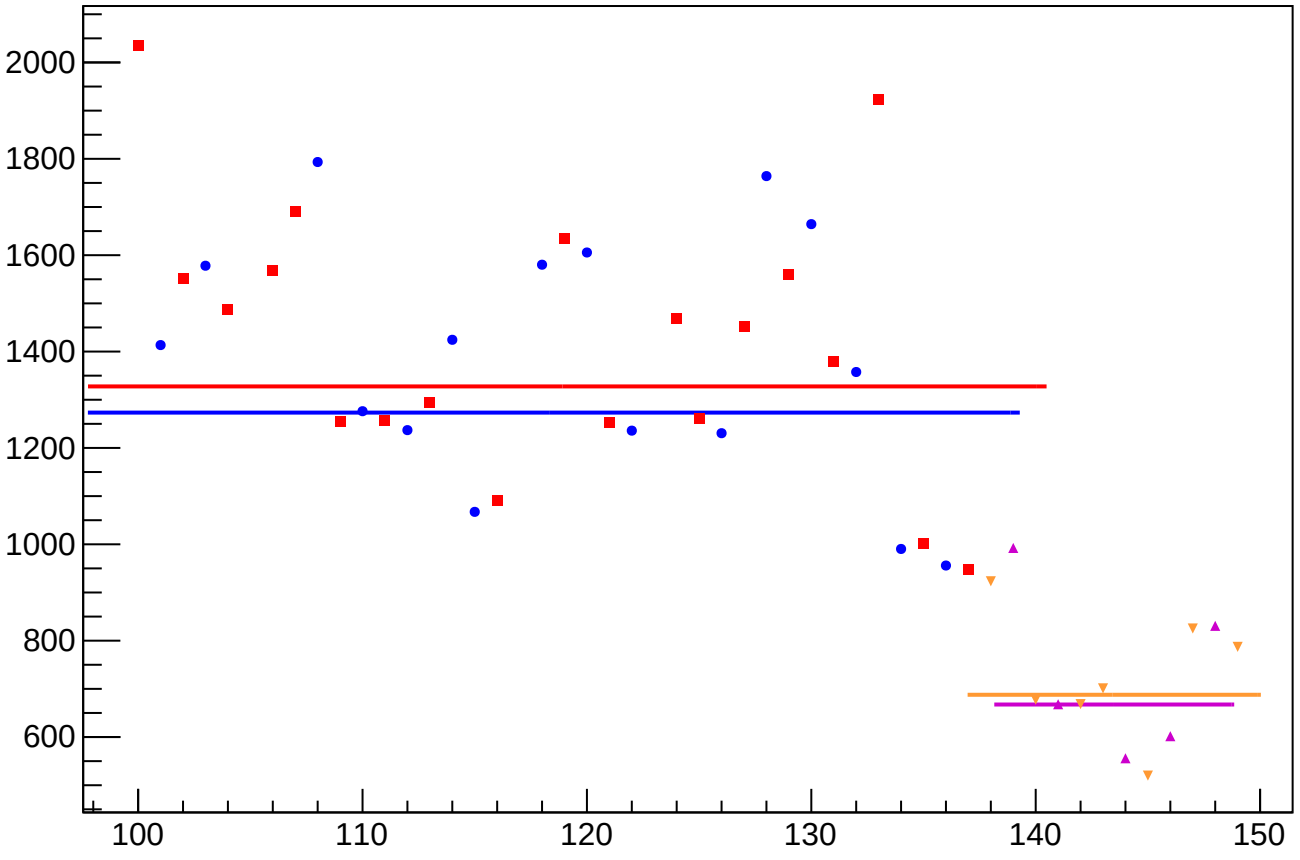
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -351.143+/-327.690 χ^2/NDF:2.8/4

+ sign -823.383+/-257.567 χ^2/NDF: 38.3/22

All: -698.048+/-187.533 χ^2/NDF: 53.9/46

- 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: 687.728+/-0.215 χ^2/NDF:339510.3/6

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

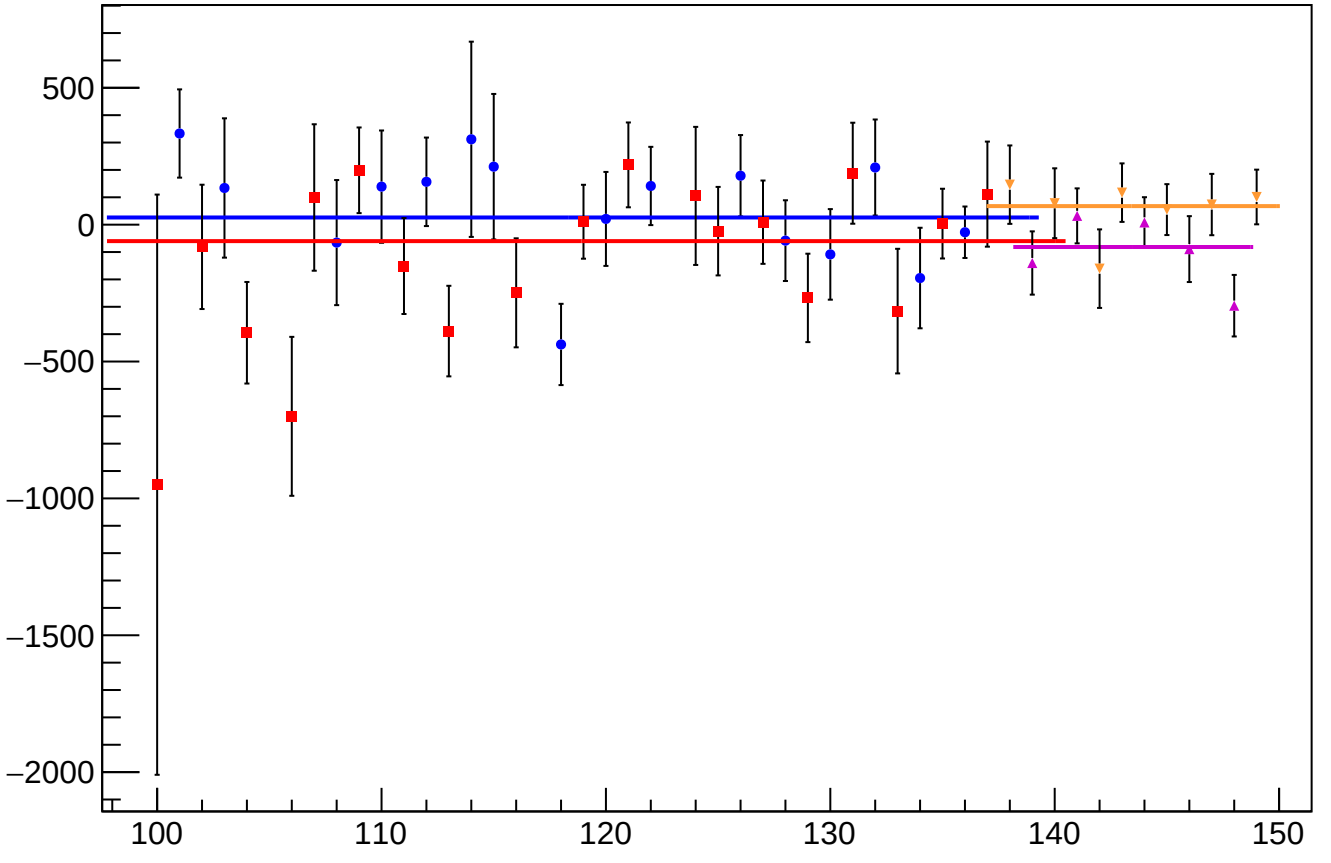
Left In: 667.514+/-0.232 χ^2/NDF:336891.3/4

+ sign 851.880+/-0.182 χ^2/NDF: 3022708.3/22

All: 859.234+/-0.133 χ^2/NDF: 6280831.1/46

- 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: 67.786+/-42.957 χ^2/NDF:3.2/6

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

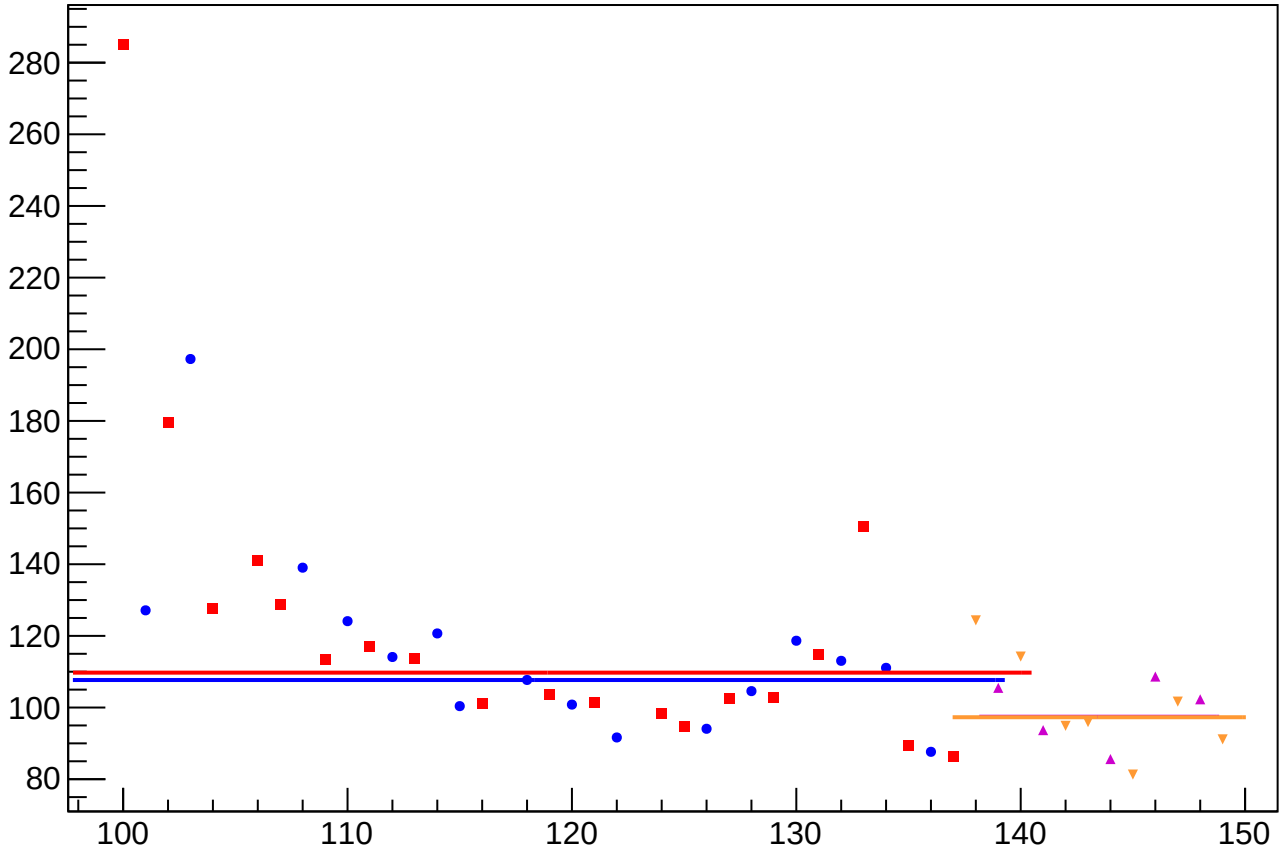
Left In: -81.602+/-47.669 χ^2/NDF:6.1/4

+ sign 46.162+/-29.742 χ^2/NDF: 25.0/22

All: -8.643+/-21.564 χ^2/NDF: 65.4/46

- 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: 97.292+/-0.030 χ^2/NDF:177311.5/6

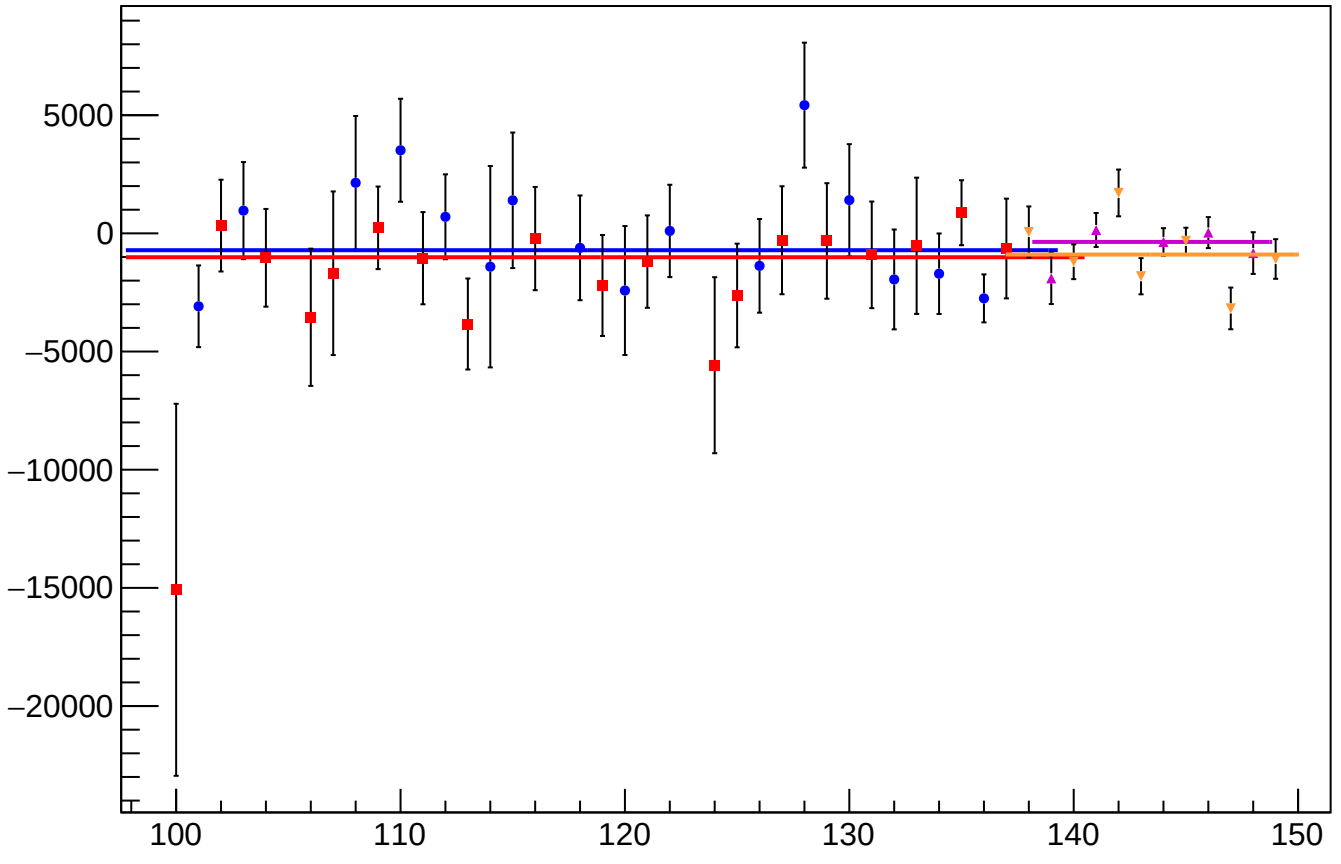
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 97.434+/-0.034 χ^2/NDF:66510.6/4

+ sign 102.700+/-0.021 χ^2/NDF: 721321.7/22

All: 103.521+/-0.015 χ^2/NDF: 1358594.4/46

- 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: -895.868+/-296.570 χ^2/NDF:17.1/6

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

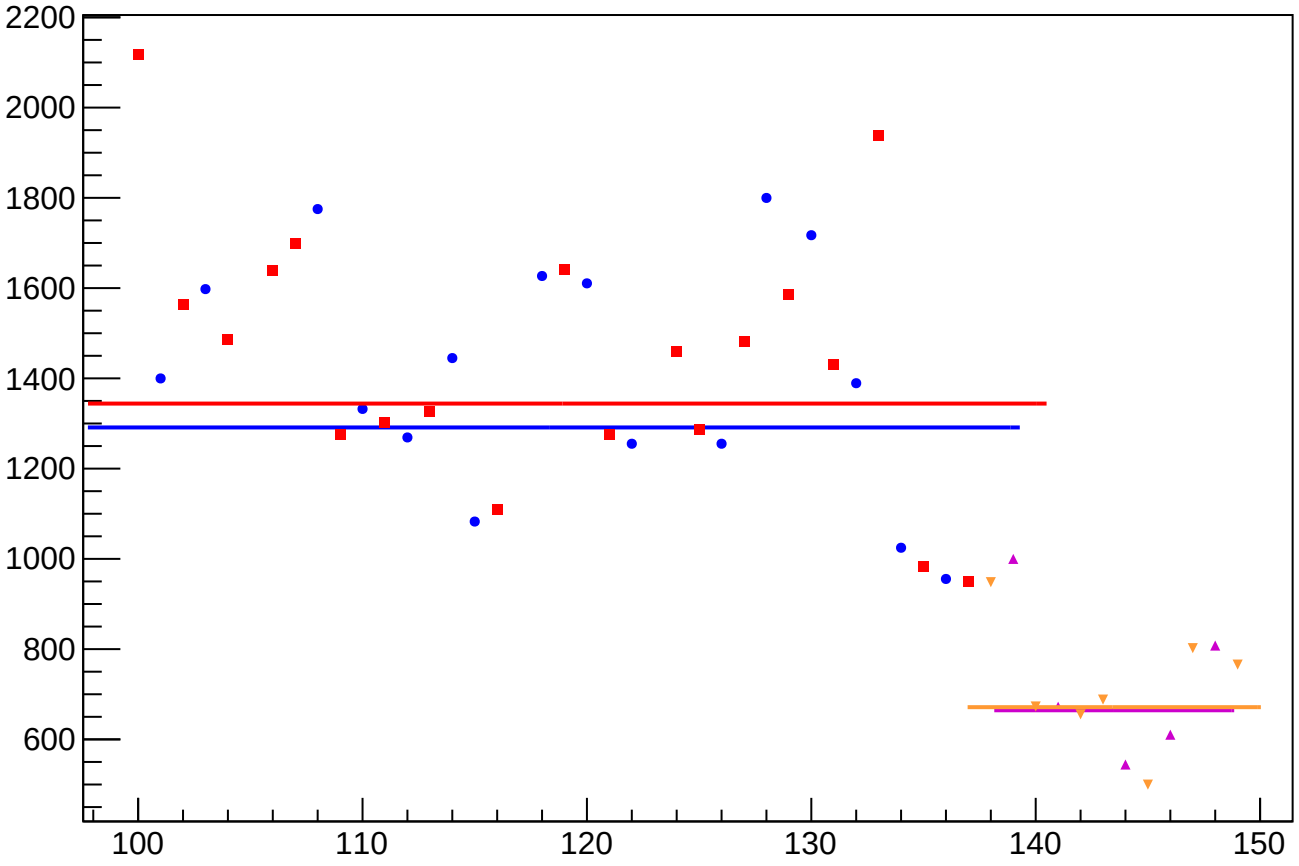
Left In: -362.462+/-326.947 χ^2/NDF:3.1/4

+ sign -847.283+/-254.166 χ^2/NDF: 37.3/22

All: -712.413+/-186.297 χ^2/NDF: 54.0/46

- 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: 671.379+/-0.210 χ^2/NDF:391644.5/6

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

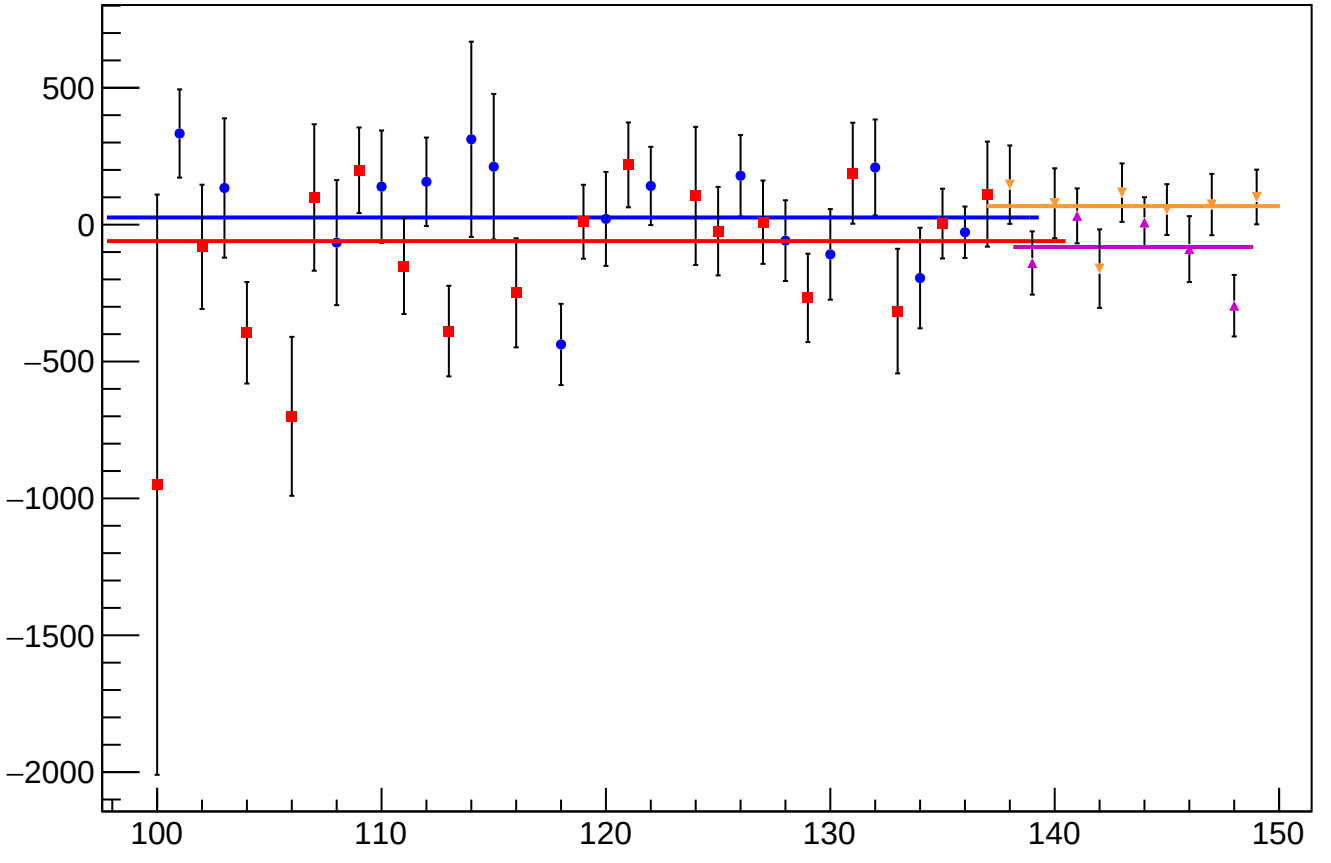
Left In: 664.520+/-0.231 χ^2/NDF:341705.8/4

+ sign 835.960+/-0.180 χ^2/NDF: 3322263.1/22

All: 850.456+/-0.132 χ^2/NDF: 6747230.8/46

- 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: 67.786+/-42.957 χ^2/NDF:3.2/6

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

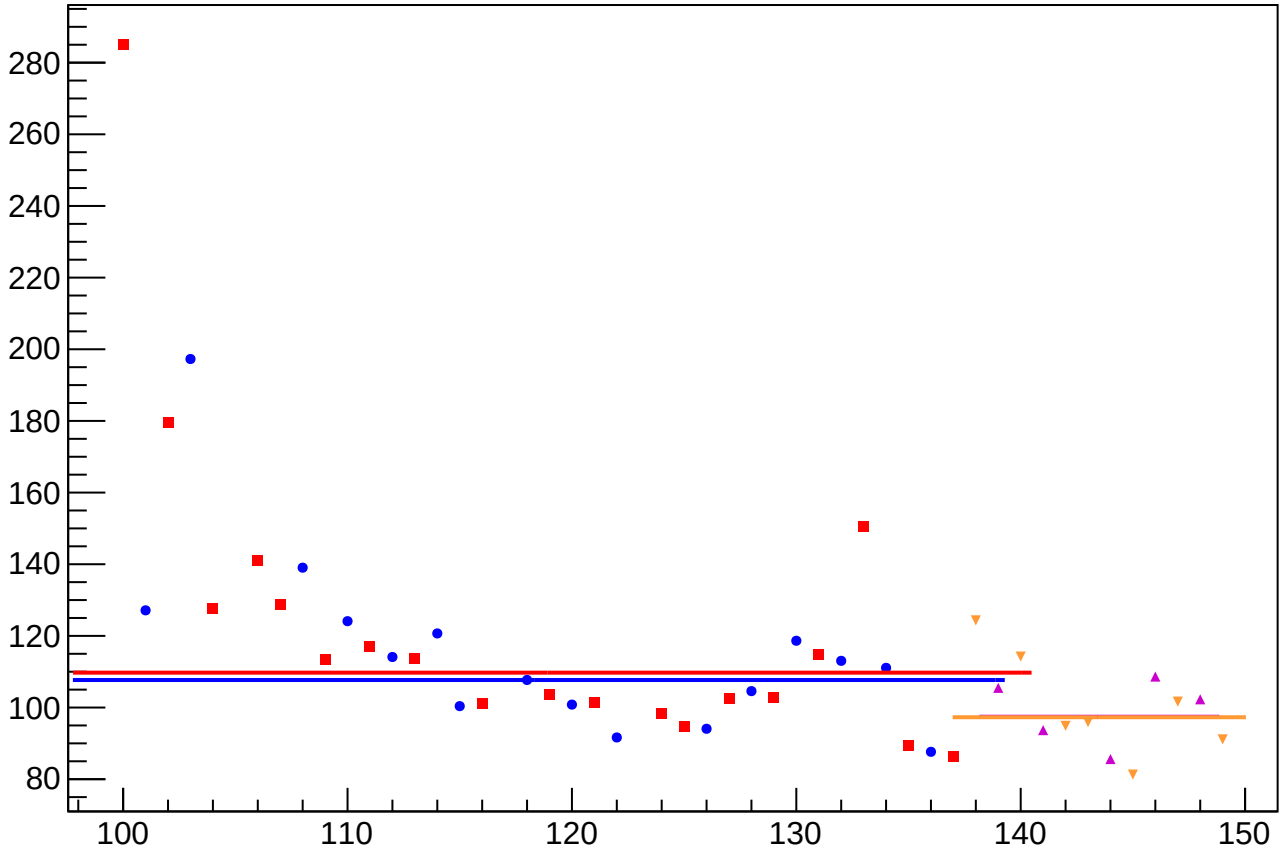
Left In: -81.602+/-47.669 χ^2/NDF:6.1/4

+ sign 46.162+/-29.742 χ^2/NDF: 25.0/22

All: -8.643+/-21.564 χ^2/NDF: 65.4/46

- 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: 97.293+/-0.030 χ^2/NDF:177298.6/6

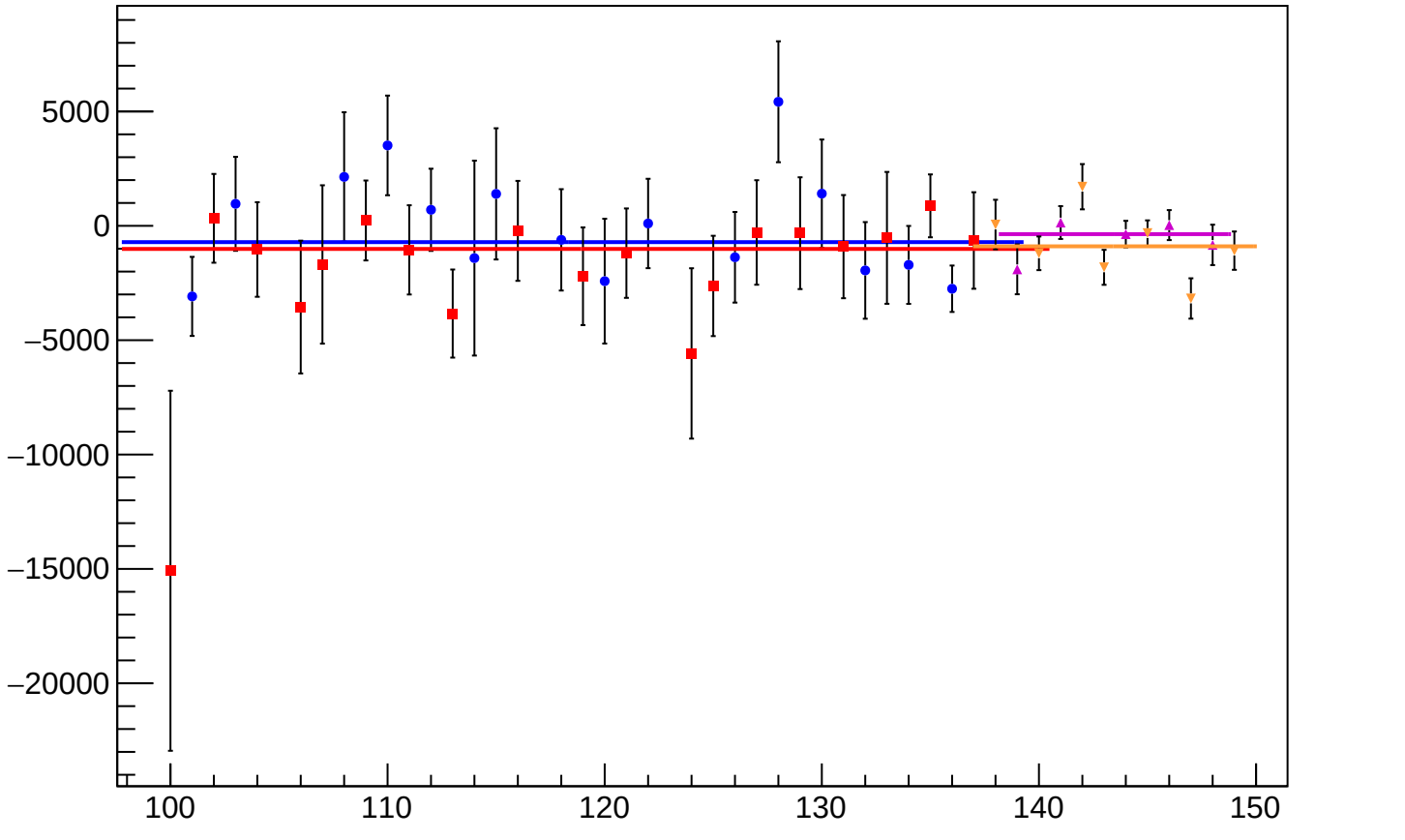
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 97.435+/-0.034 χ^2/NDF:66508.5/4

\+ sign 102.700+/-0.021 χ^2/NDF: 721281.8/22

All: 103.521+/-0.015 χ^2/NDF: 1358537.4/46

\- 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: -895.868+/-296.569 χ^2/NDF:17.1/6

Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

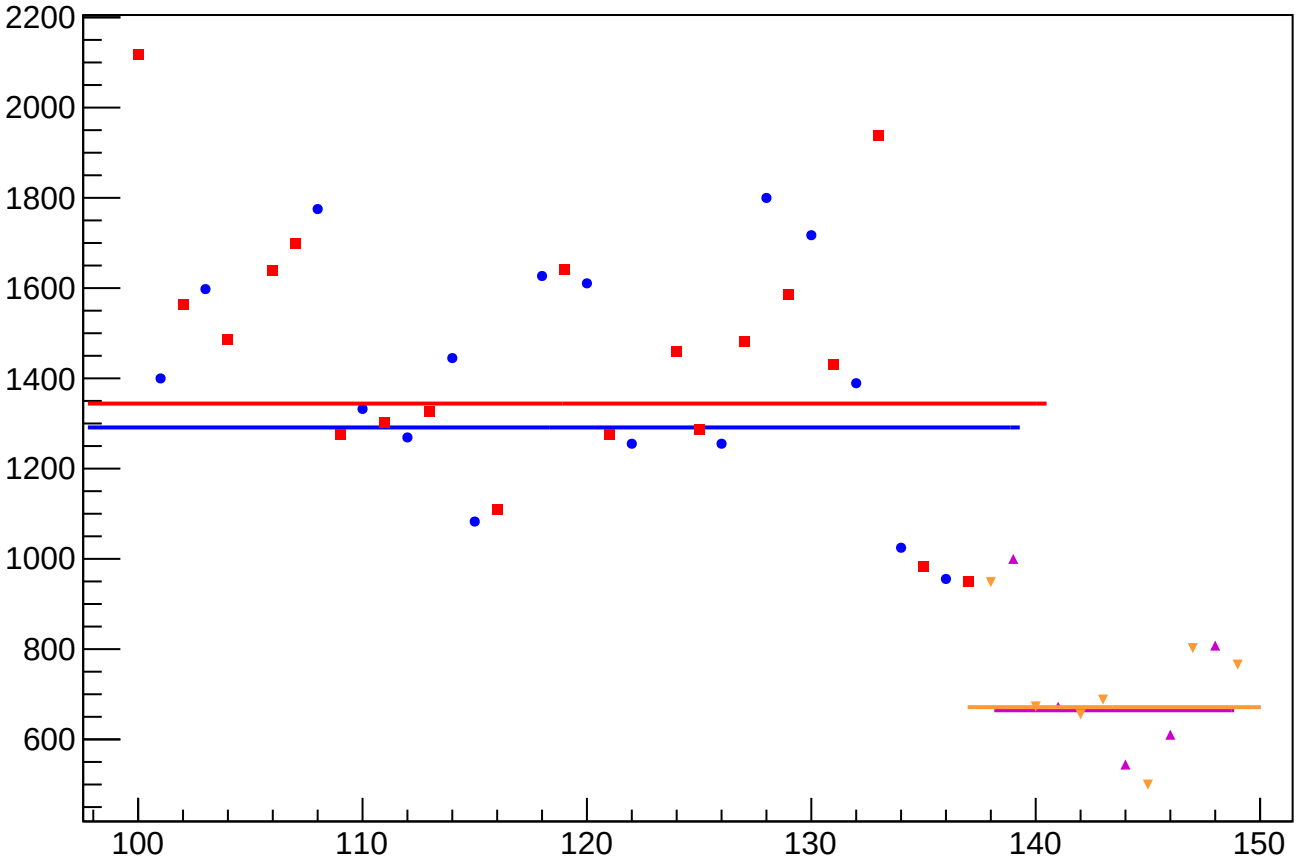
Left In: -362.462+/-326.947 χ^2/NDF:3.1/4

+ sign -847.282+/-254.165 χ^2/NDF: 37.3/22

All: -712.413+/-186.297 χ^2/NDF: 54.0/46

- 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: 671.378+/-0.210 χ^2/NDF:391648.1/6

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

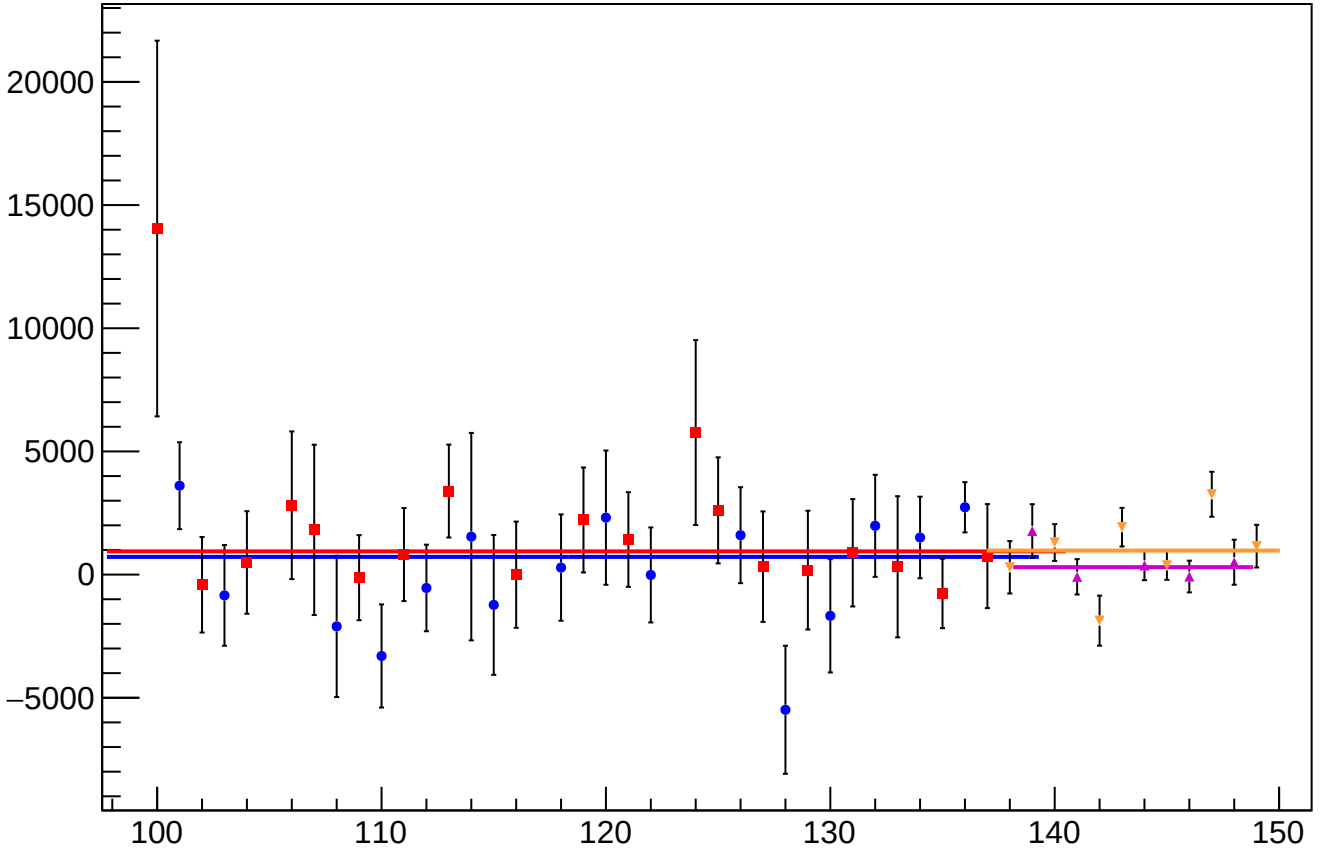
Left In: 664.519+/-0.231 χ^2/NDF:341704.7/4

\+ sign 835.958+/-0.180 χ^2/NDF: 3322265.9/22

All: 850.455+/-0.132 χ^2/NDF: 6747227.5/46

\- 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: 976.347+/-305.575 χ^2/NDF:17.3/6

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

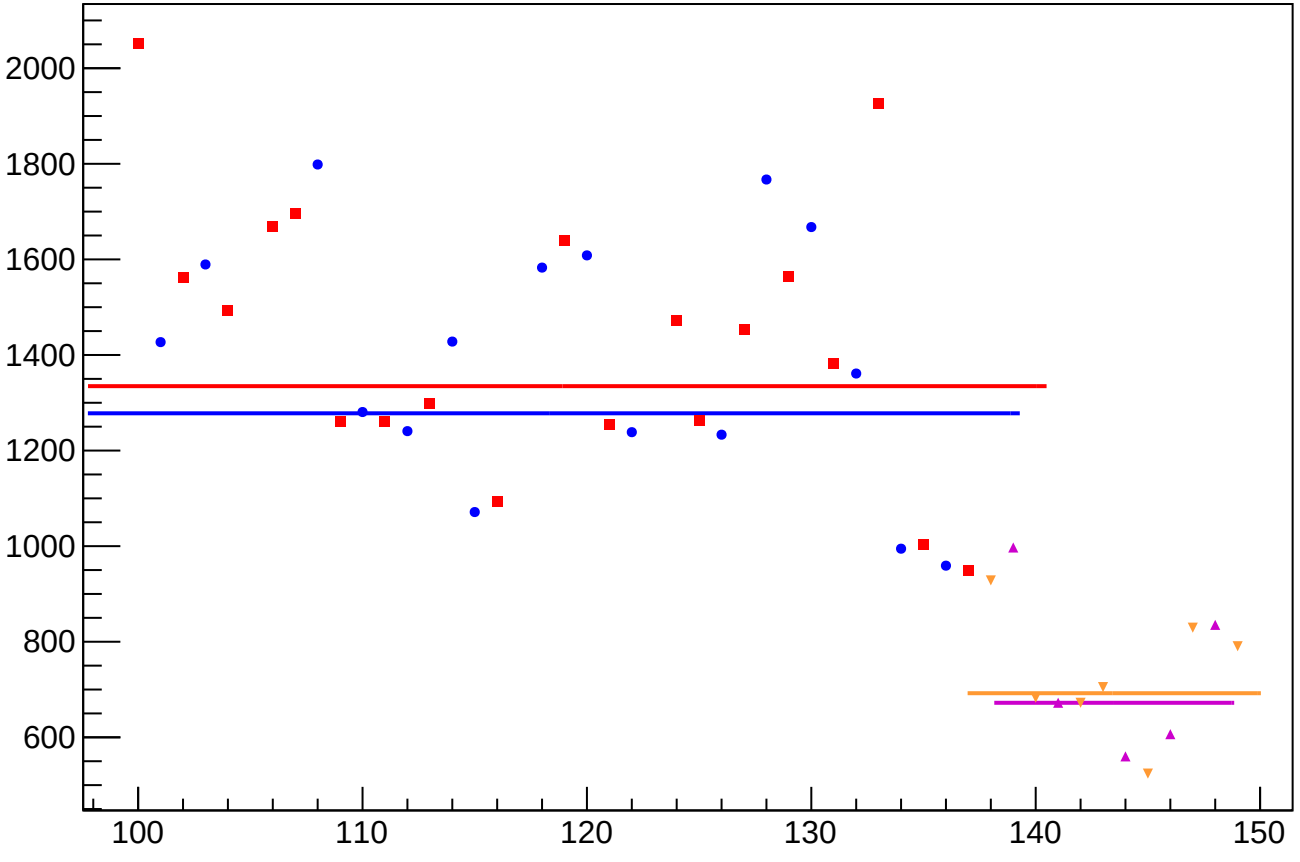
Left In: 302.148+/-329.942 χ^2/NDF:2.5/4

+ sign 903.524+/-259.025 χ^2/NDF: 38.4/22

All: 712.644+/-188.573 χ^2/NDF: 53.9/46

- 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: 692.307+/-0.216 χ^2/NDF:335458.3/6

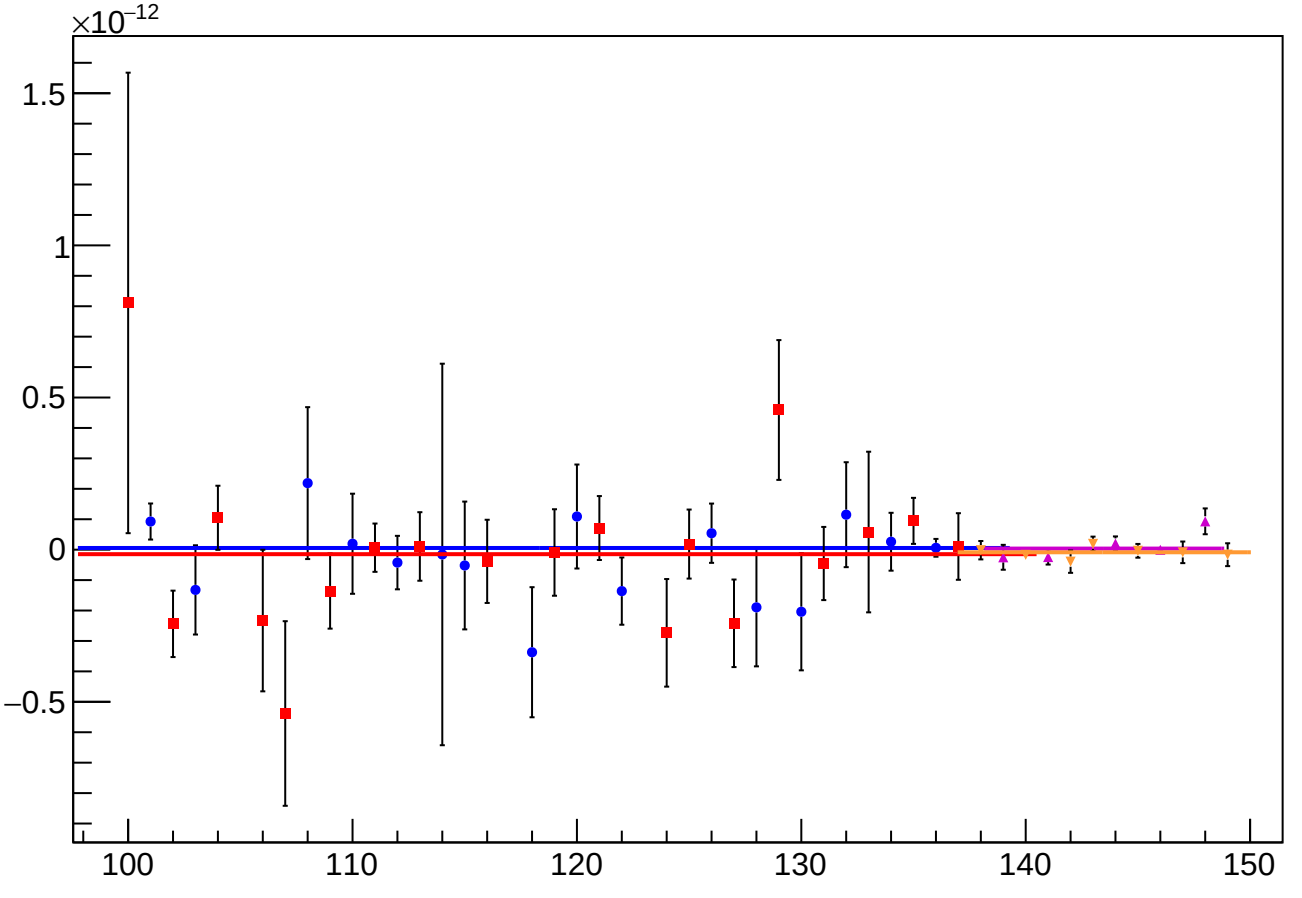
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 672.249+/-0.233 χ^2/NDF:333603.3/4

+ sign 857.152+/-0.183 χ^2/NDF: 3000996.6/22

All: 865.222+/-0.133 χ^2/NDF: 6270255.8/46

- sign 874.322+/-0.194 χ^2/NDF: 3265128.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/6

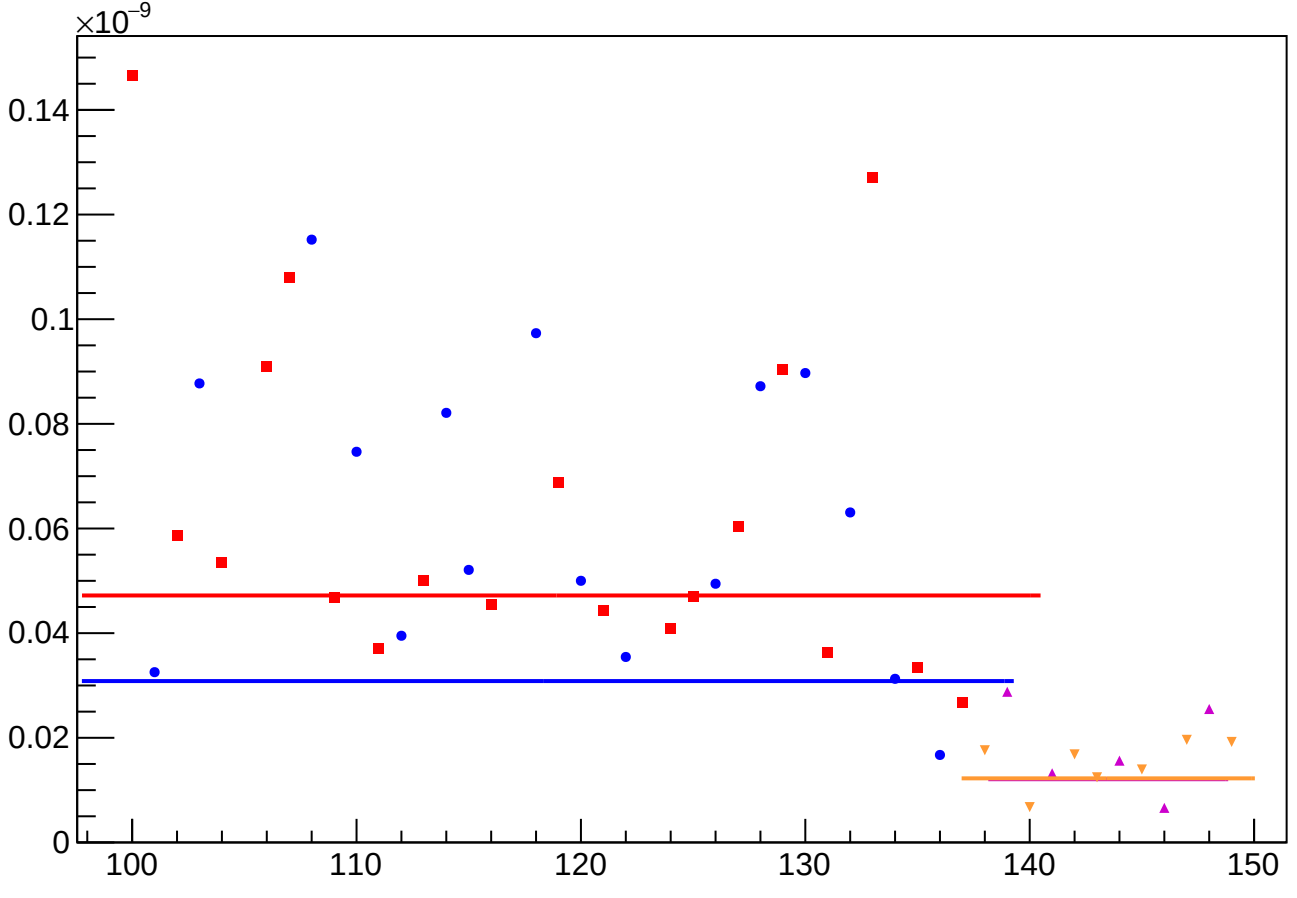
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/4

+ sign -0.000+/-0.000 χ^2/NDF: 14.5/22

All: -0.000+/-0.000 χ^2/NDF: 45.8/46

- 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:521555.3/6

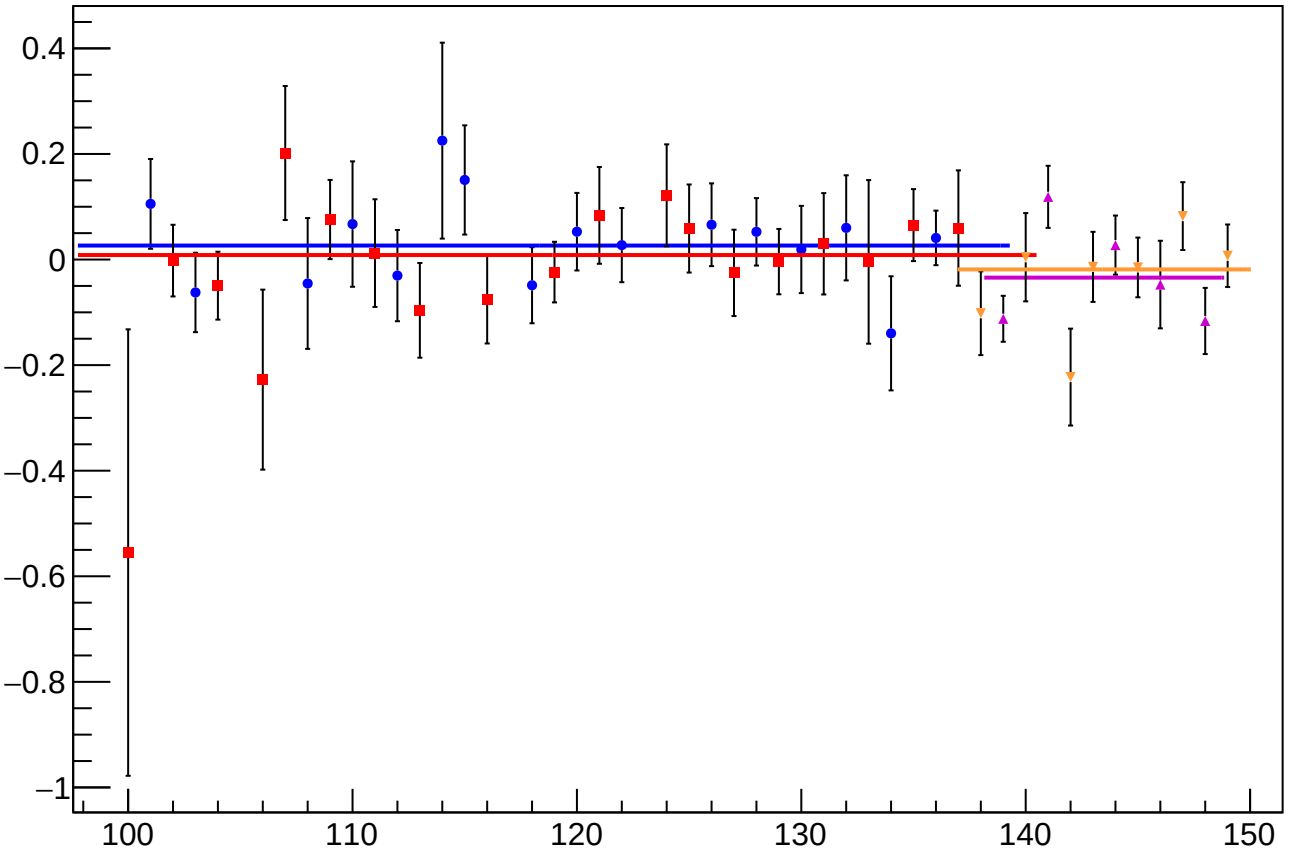
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:867876.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 3684274.3/22

All: 0.000+/-0.000 χ^2/NDF: 7947857.2/46

- 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: -0.019+/-0.026 χ^2/NDF:8.8/6

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

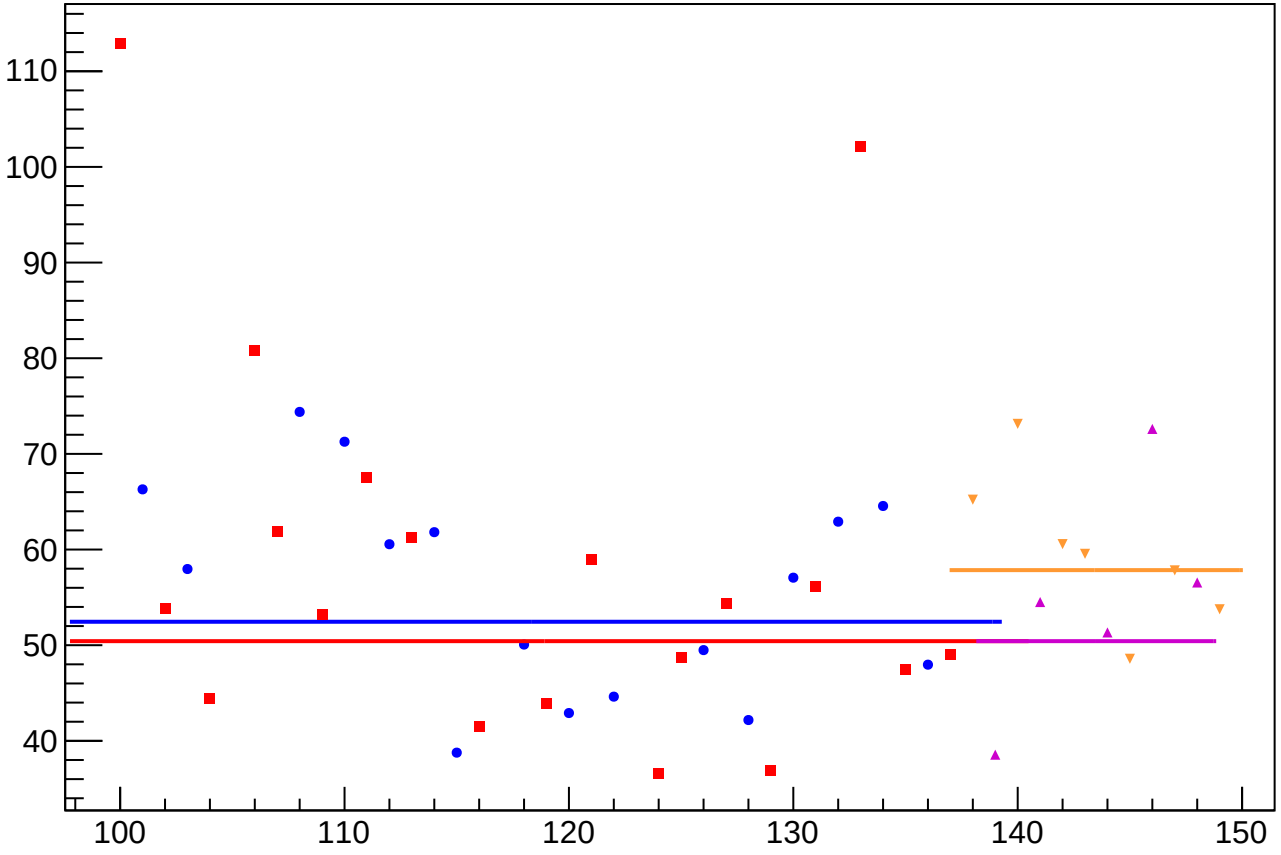
Left In: -0.034+/-0.026 χ^2/NDF:12.9/4

+ sign 0.009+/-0.016 χ^2/NDF: 20.6/22

All: 0.001+/-0.011 χ^2/NDF: 49.8/46

- sign -0.007+/-0.015 χ^2/NDF: 28.7/23

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 57.848+/-0.018 χ^2/NDF:150447.9/6

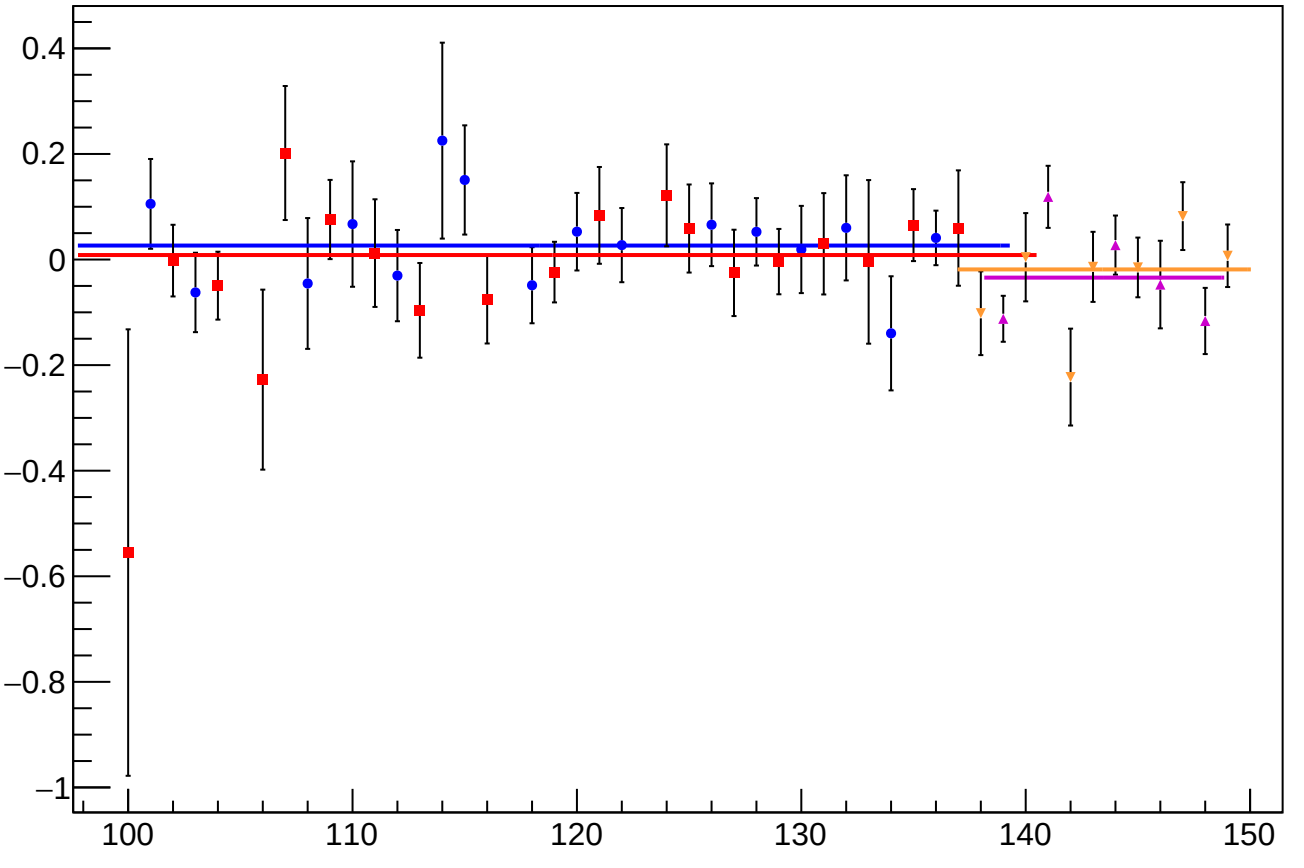
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.424+/-0.018 χ^2/NDF:320903.8/4

+ sign 54.515+/-0.011 χ^2/NDF: 622000.2/22

All: 52.398+/-0.008 χ^2/NDF: 1687047.6/46

- 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: -0.019+/-0.026 χ^2/NDF:8.8/6

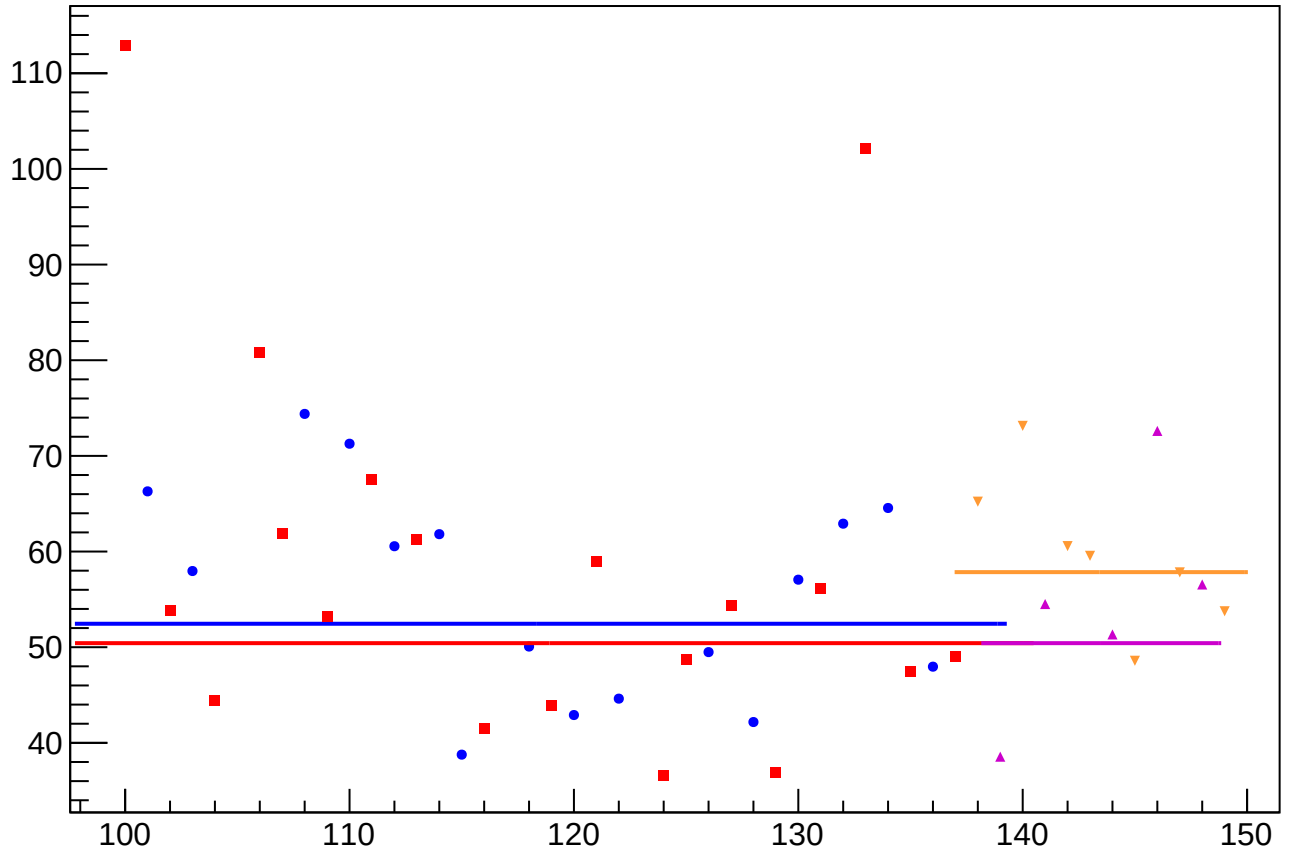
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.034+/-0.026 χ^2/NDF:12.9/4

+ sign 0.009+/-0.016 χ^2/NDF: 20.6/22

All: 0.001+/-0.011 χ^2/NDF: 49.8/46

- 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: 57.848+/-0.018 χ^2/NDF:150447.9/6

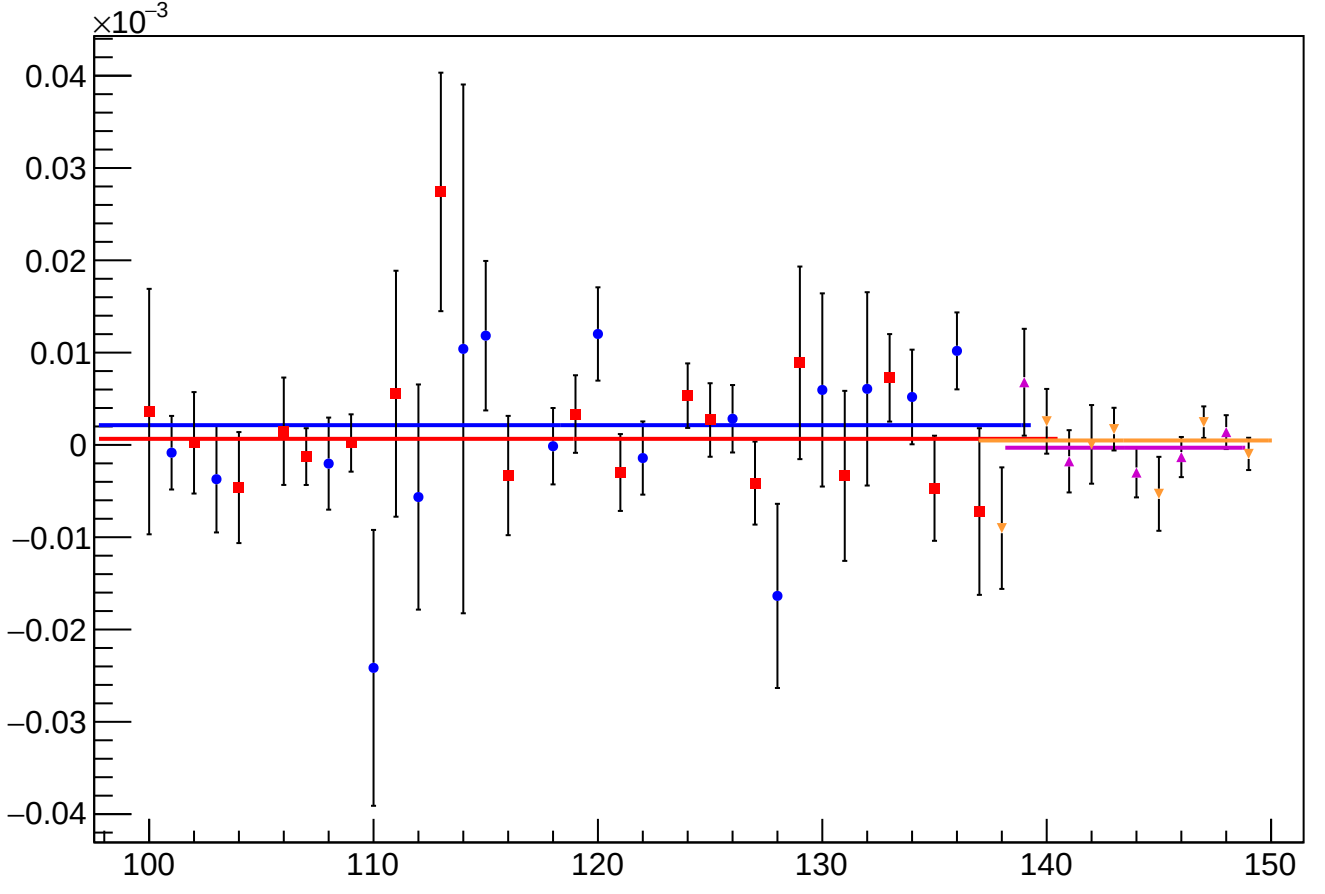
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.424+/-0.018 χ^2/NDF:320903.8/4

+ sign 54.515+/-0.011 χ^2/NDF: 622000.2/22

All: 52.398+/-0.008 χ^2/NDF: 1687047.6/46

- 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:6.8/6

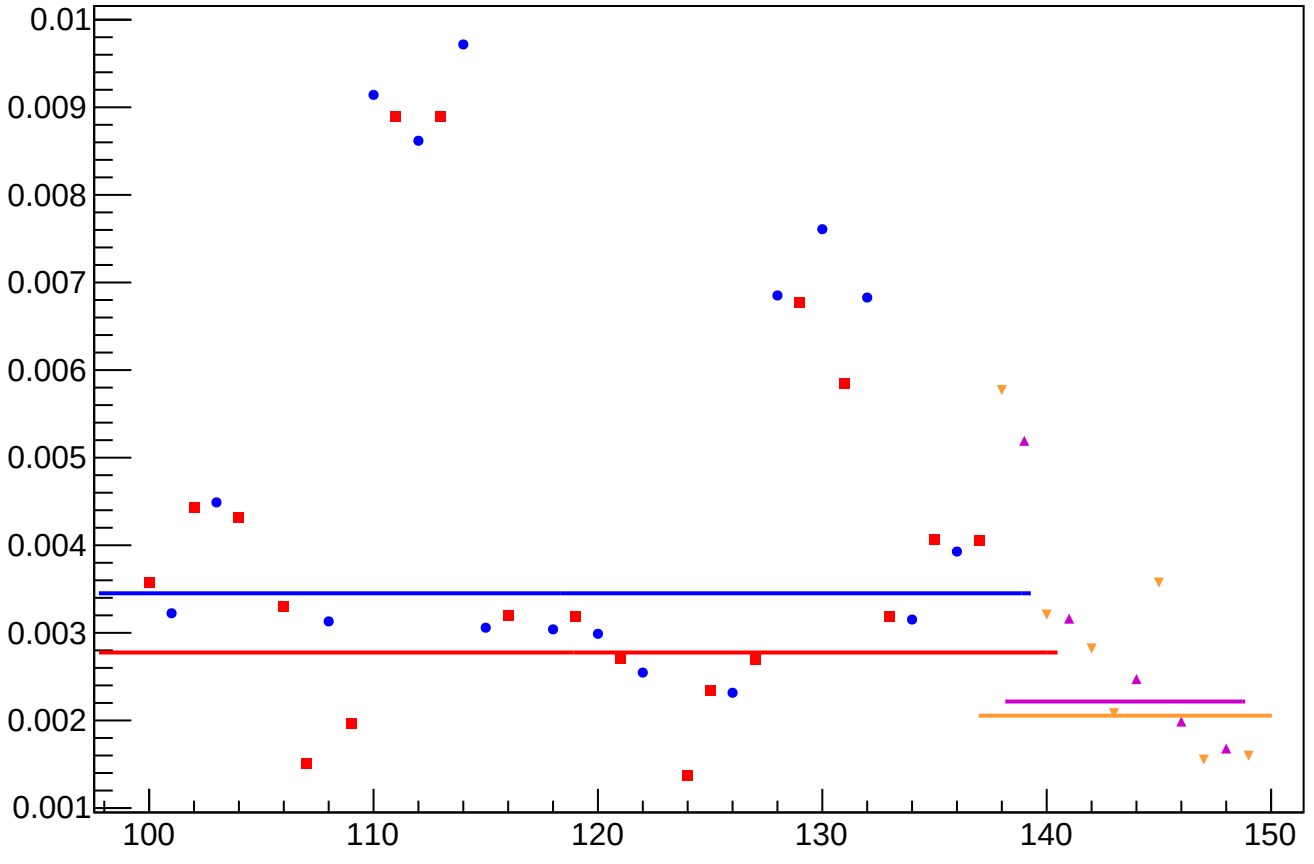
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/4

+ sign 0.000+/-0.000 χ^2/NDF: 27.9/22

All: 0.000+/-0.000 χ^2/NDF: 47.4/46

- 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:1515500.6/6

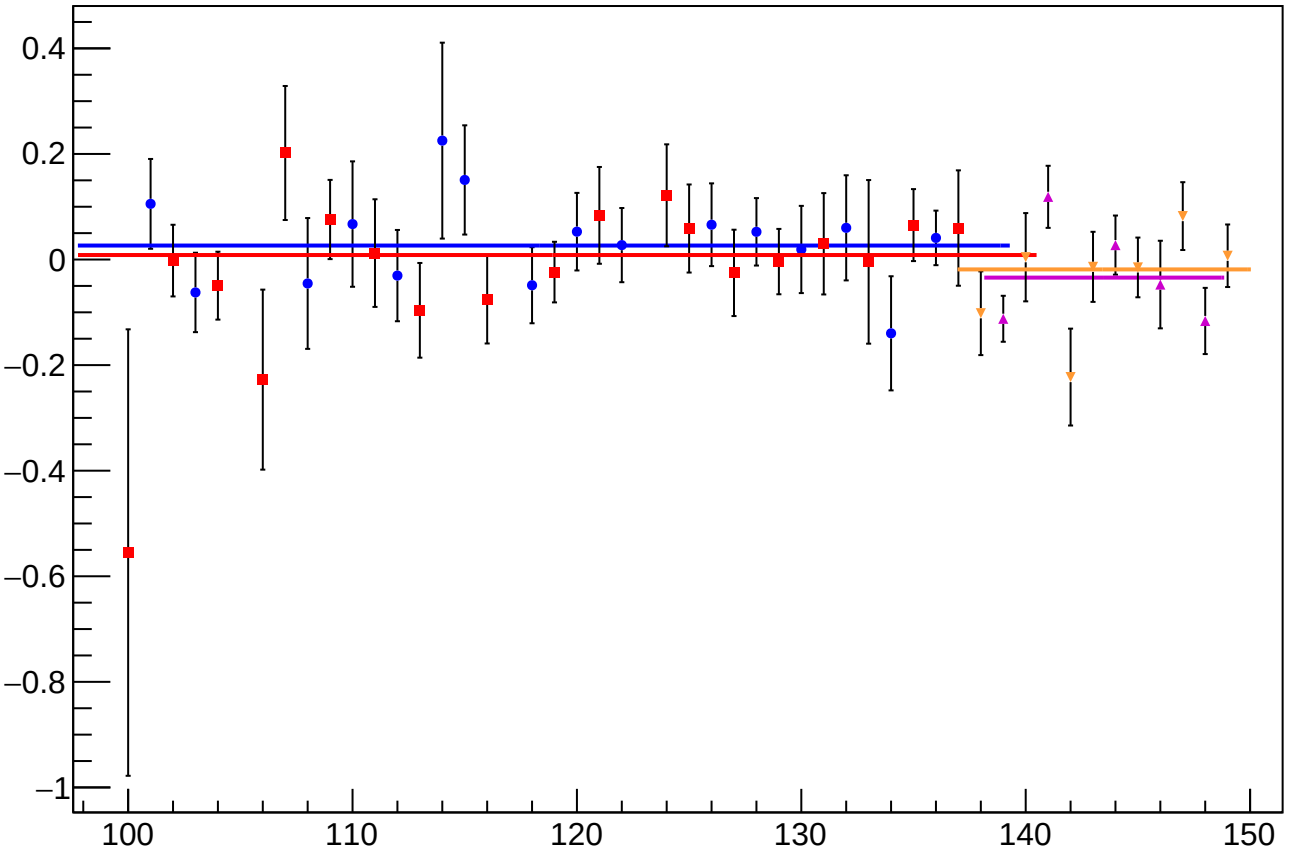
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:897656.1/4

+ sign 0.003+/-0.000 χ^2/NDF: 4836794.7/22

All: 0.003+/-0.000 χ^2/NDF: 8708048.6/46

- 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: -0.019+/-0.026 χ^2/NDF:8.8/6

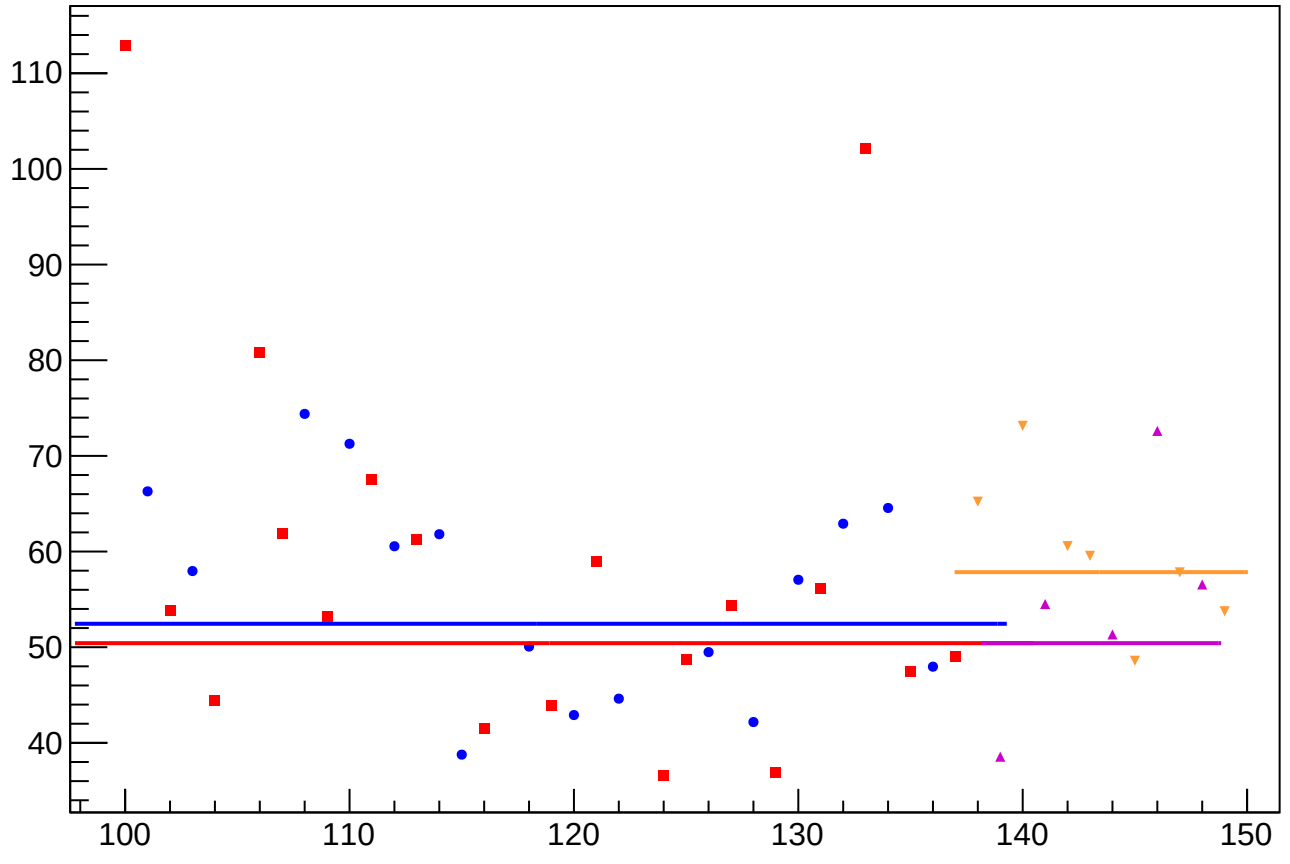
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.034+/-0.026 χ^2/NDF:12.9/4

+ sign 0.009+/-0.016 χ^2/NDF: 20.6/22

All: 0.001+/-0.011 χ^2/NDF: 49.8/46

- 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: 57.849+/-0.018 χ^2/NDF:150418.5/6

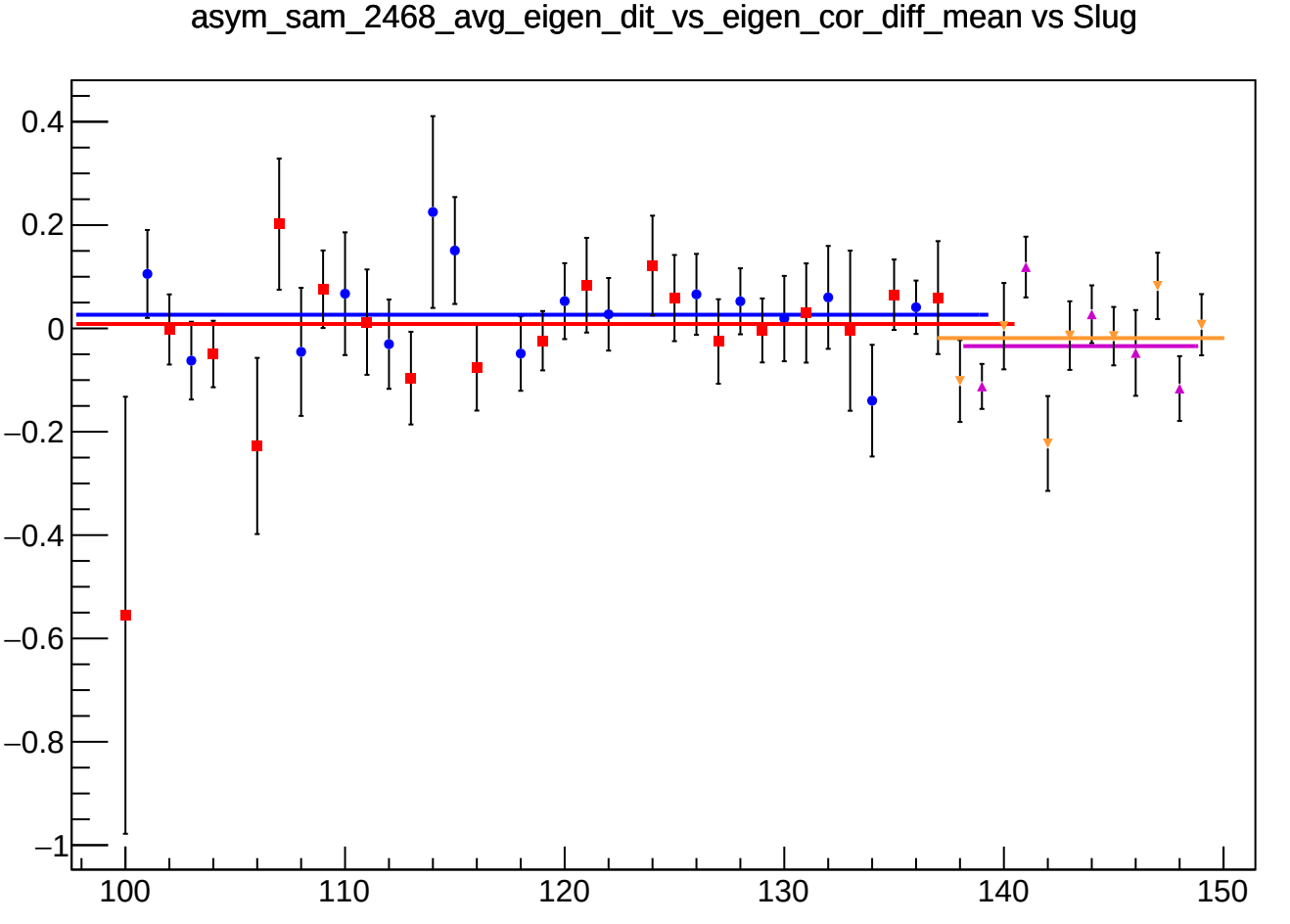
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.424+/-0.018 χ^2/NDF:320946.4/4

+ sign 54.514+/-0.011 χ^2/NDF: 621958.2/22

All: 52.397+/-0.008 χ^2/NDF: 1687061.8/46

- 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: -0.019+/-0.026 χ^2/NDF:8.8/6

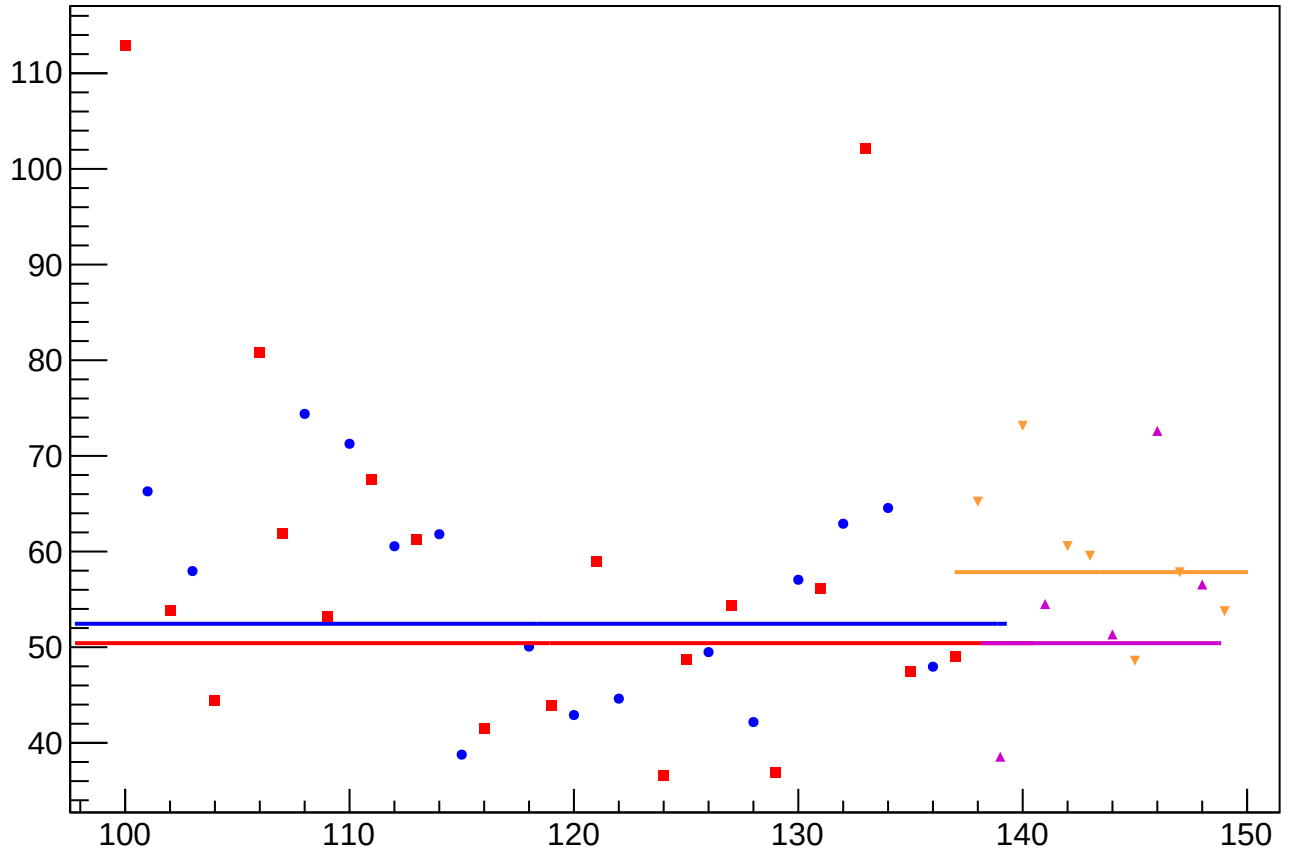
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.034+/-0.026 χ^2/NDF:12.9/4

+ sign 0.009+/-0.016 χ^2/NDF: 20.6/22

All: 0.001+/-0.011 χ^2/NDF: 49.8/46

- 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: 57.849+/-0.018 χ^2/NDF:150418.5/6

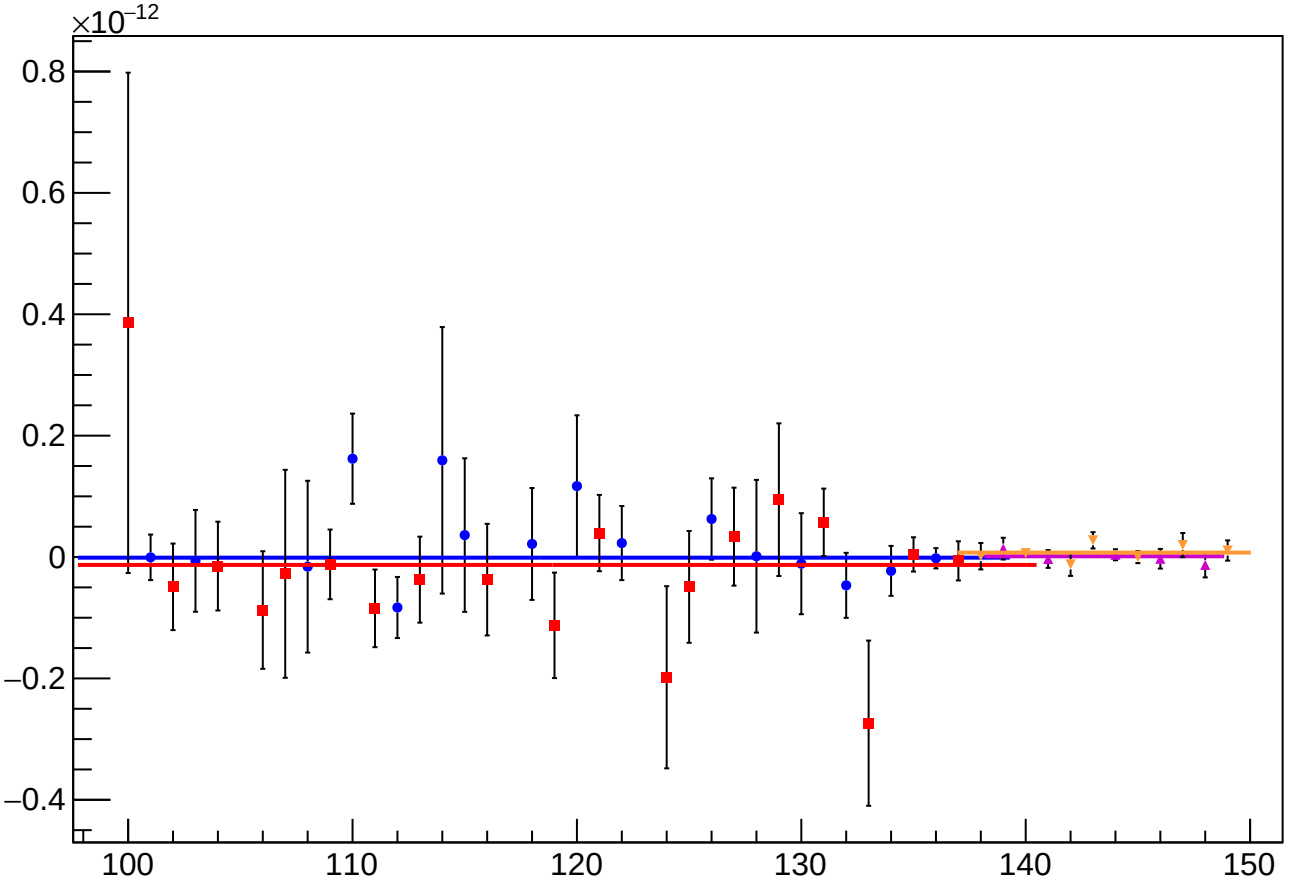
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.424+/-0.018 χ^2/NDF:320946.4/4

+ sign 54.514+/-0.011 χ^2/NDF: 621958.2/22

All: 52.397+/-0.008 χ^2/NDF: 1687061.8/46

- 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:4.4/6

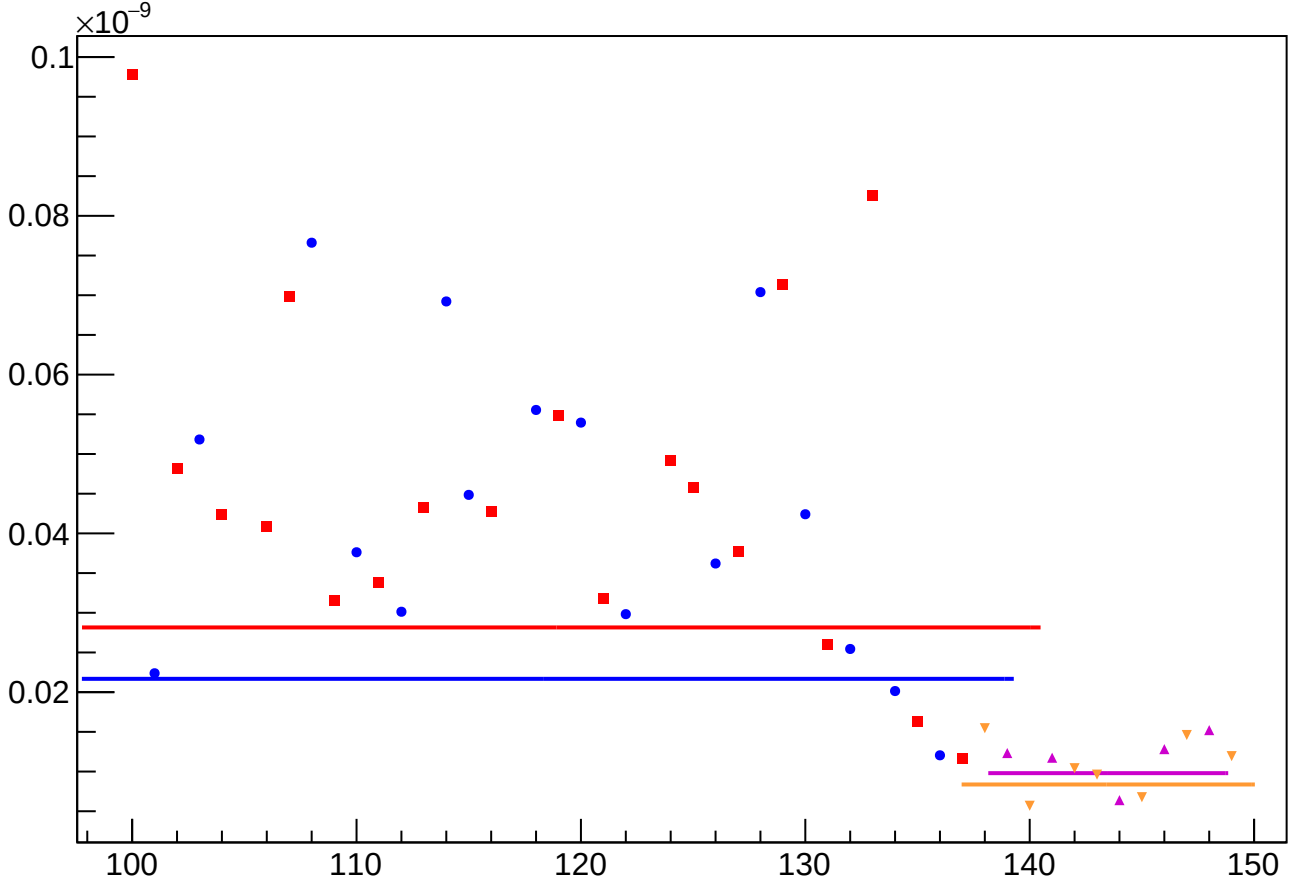
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/4

+ sign 0.000+/-0.000 χ^2/NDF: 16.1/22

All: 0.000+/-0.000 χ^2/NDF: 32.7/46

- 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:805560.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

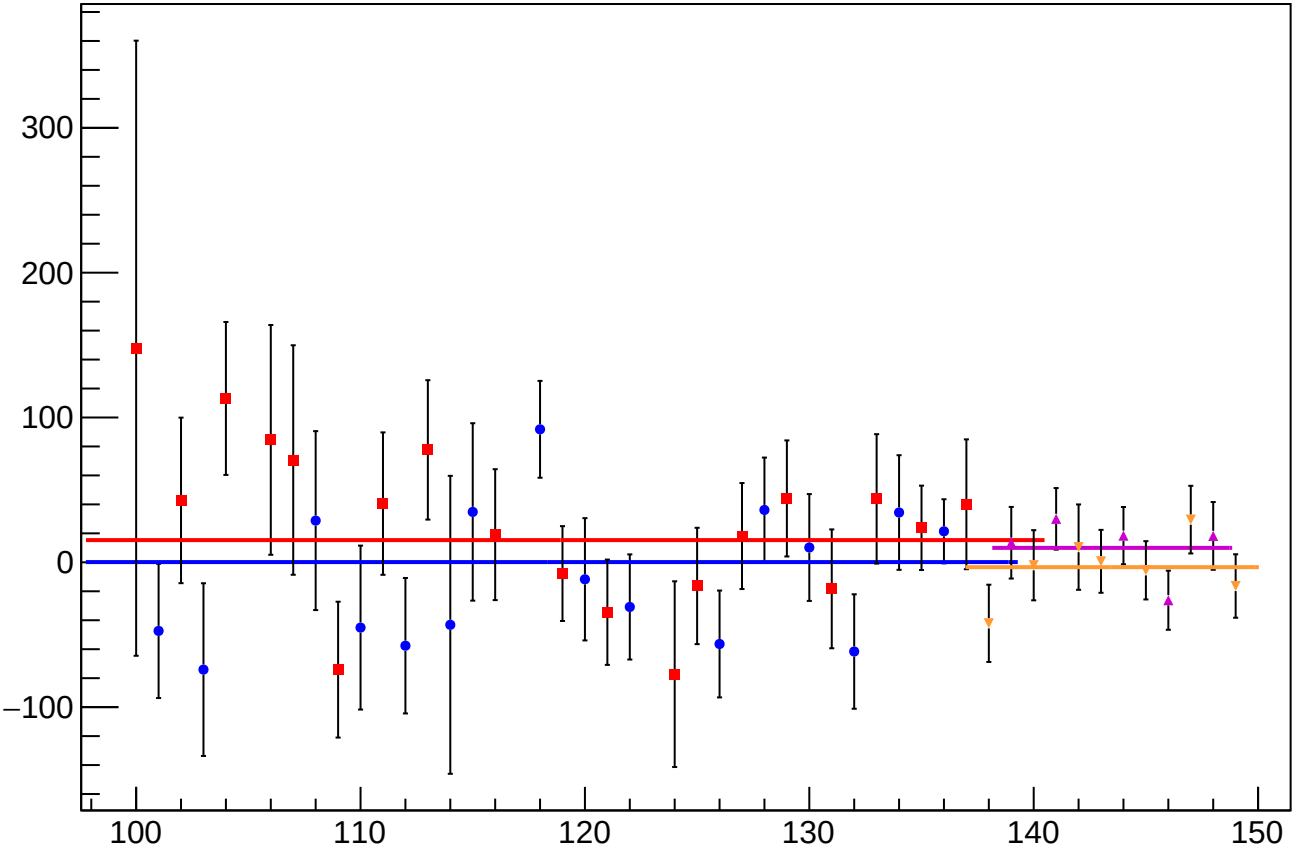
Left In: 0.000+/-0.000 χ^2/NDF:563618.3/4

+ sign 0.000+/-0.000 χ^2/NDF: 5440606.5/22

All: 0.000+/-0.000 χ^2/NDF: 11302810.5/46

- 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: -3.354+/-8.851 χ^2/NDF:4.7/6

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

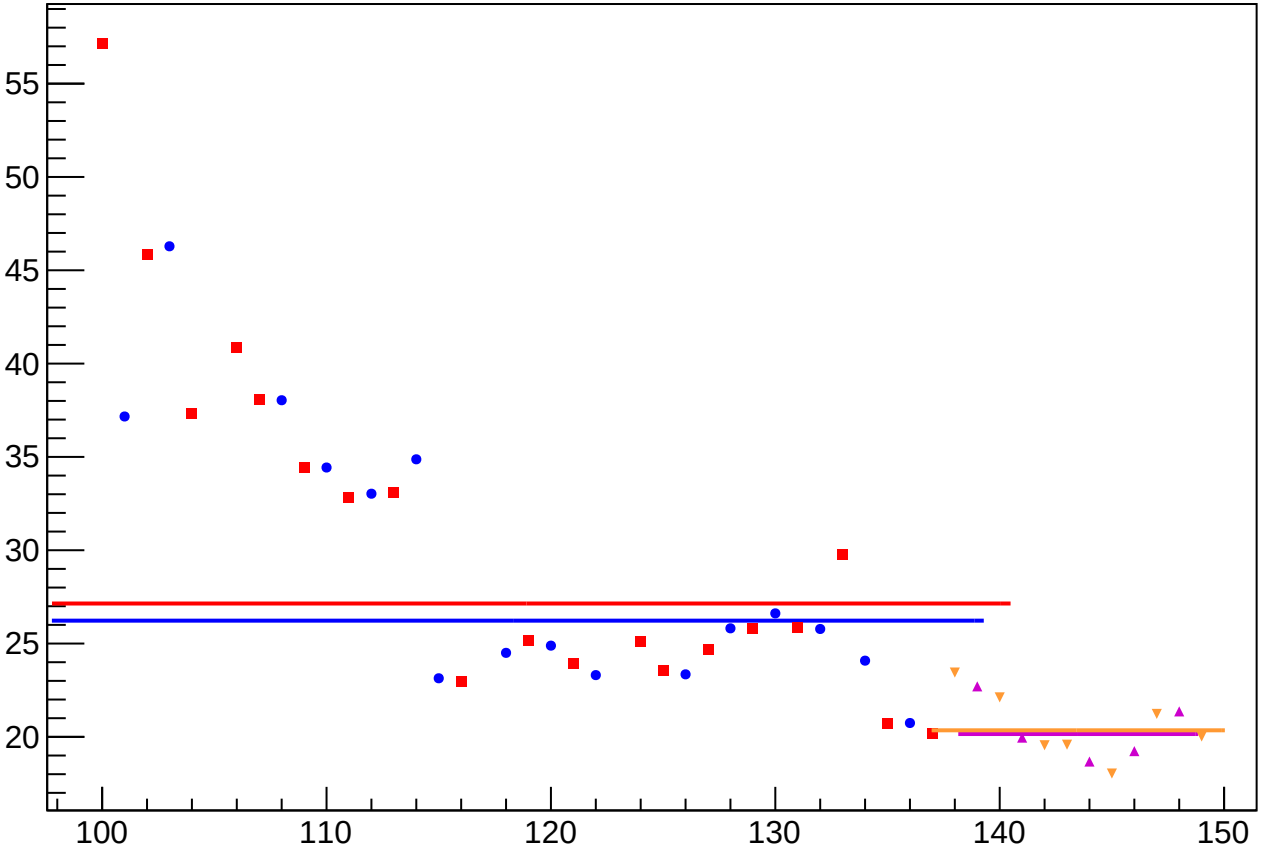
Left In: 9.973+/-9.699 χ^2/NDF:4.4/4

\+ sign -1.821+/-6.641 χ^2/NDF: 26.1/22

All: 4.912+/-4.834 χ^2/NDF: 50.7/46

\- 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: 20.351+/-0.006 χ^2/NDF:71301.1/6

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

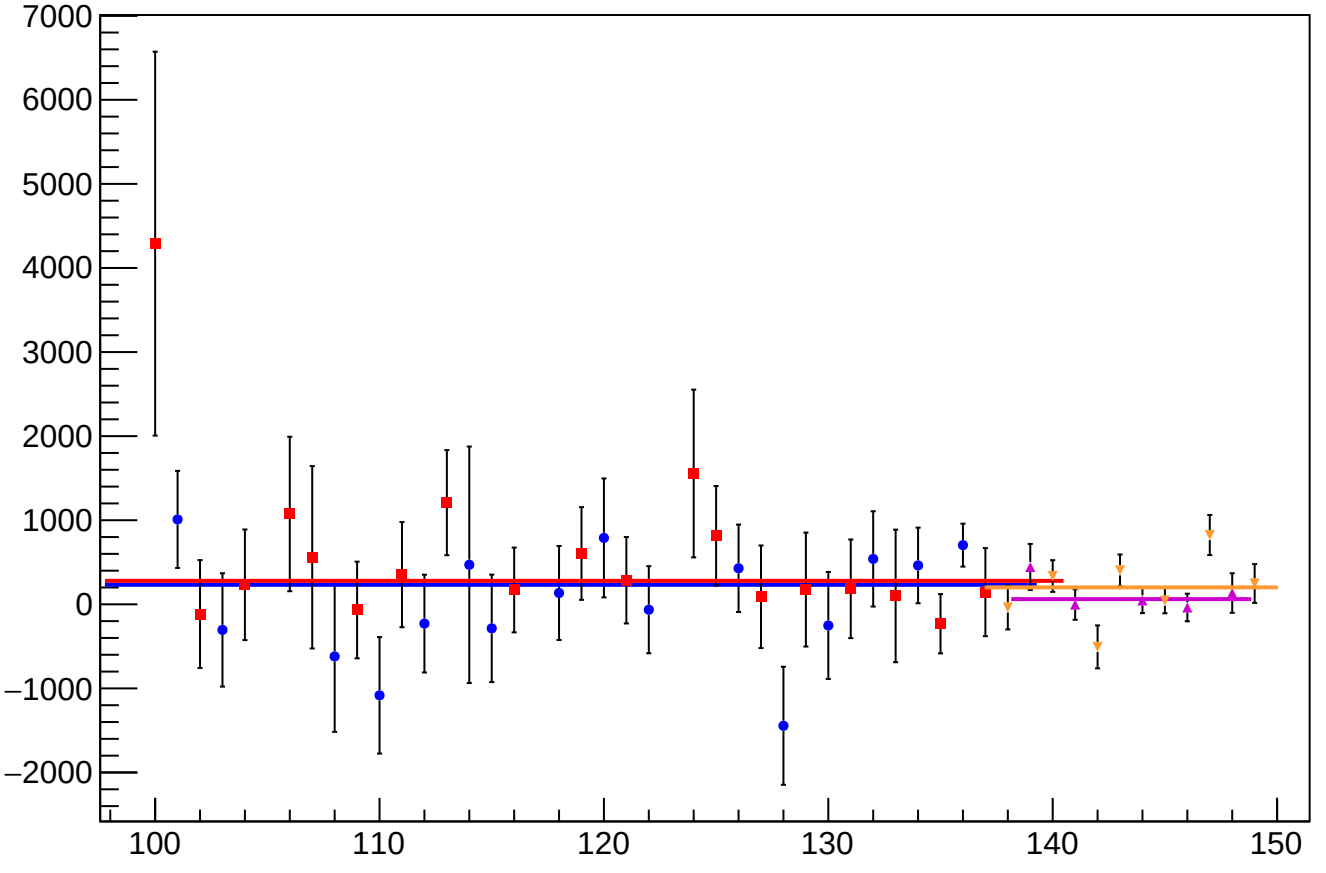
Left In: 20.152+/-0.007 χ^2/NDF:41992.9/4

+ sign 22.918+/-0.005 χ^2/NDF: 1132439.6/22

All: 23.168+/-0.003 χ^2/NDF: 2426142.6/46

- 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: 201.306+/-77.330 χ^2/NDF:18.2/6

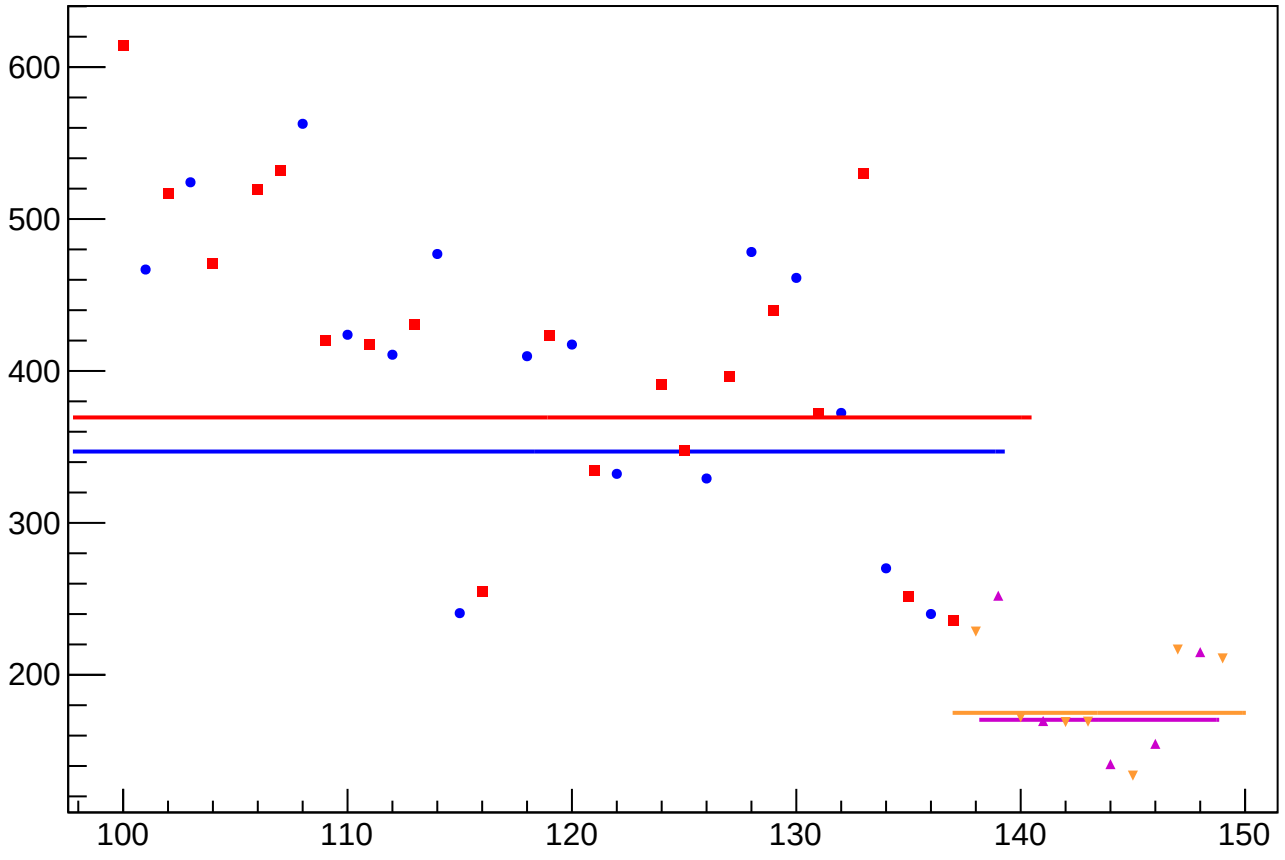
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 62.109+/-83.655 χ^2/NDF:2.5/4

+ sign 208.923+/-67.085 χ^2/NDF: 37.8/22

All: 167.111+/-49.021 χ^2/NDF: 55.1/46

- 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: 174.989+/-0.055 χ^2/NDF:348277.5/6

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

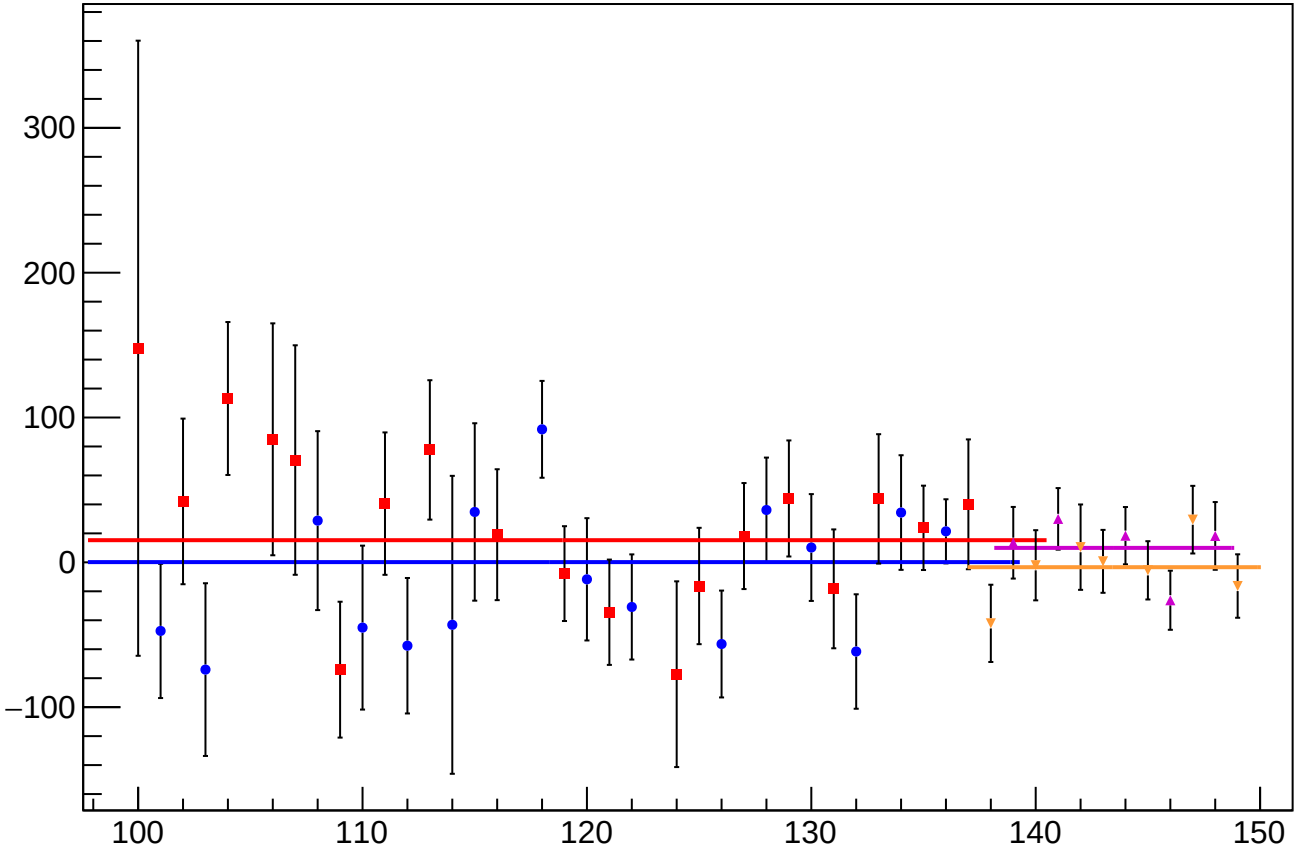
Left In: 170.396+/-0.059 χ^2/NDF:342303.0/4

+ sign 217.539+/-0.047 χ^2/NDF: 3853717.2/22

All: 219.980+/-0.035 χ^2/NDF: 8099806.2/46

- 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: -3.357+/-8.851 χ^2/NDF:4.7/6

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

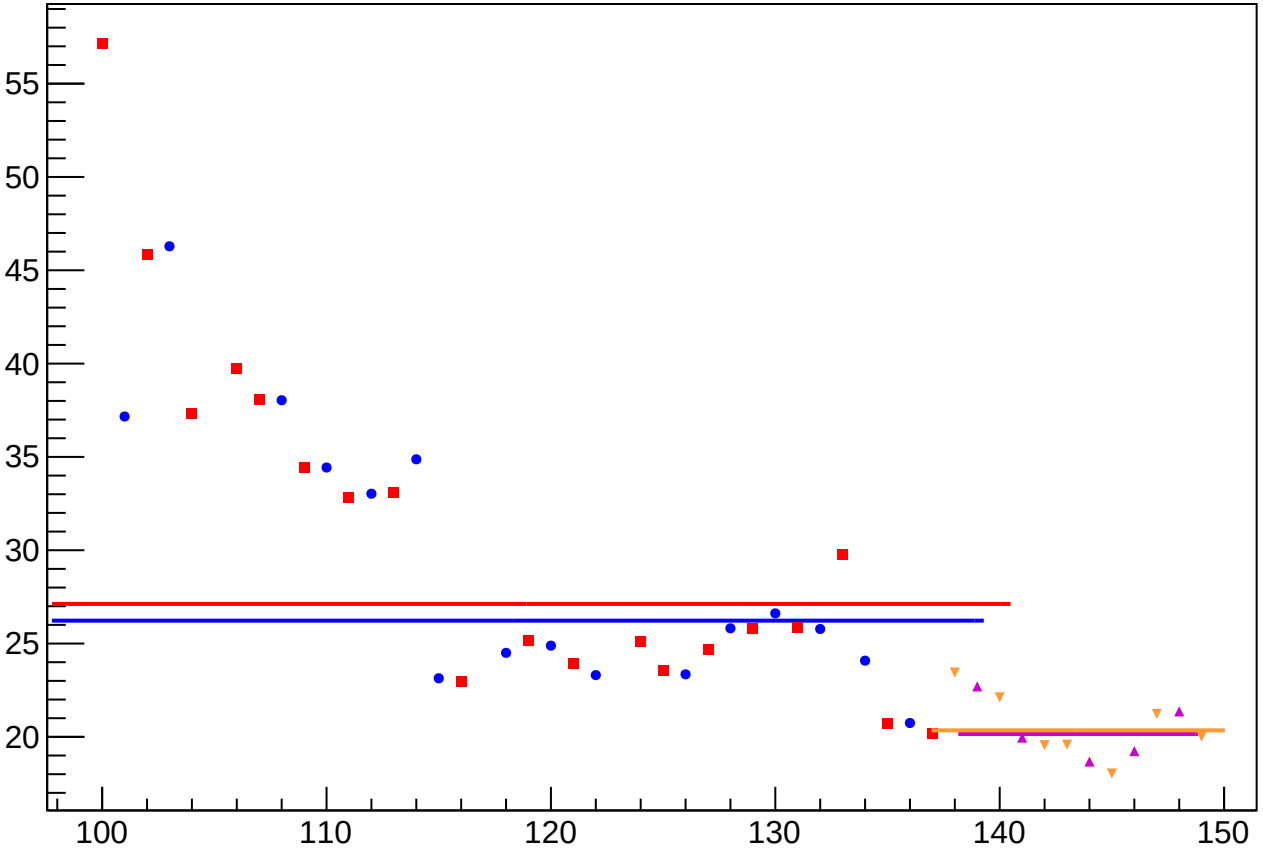
Left In: 9.976+/-9.699 χ^2/NDF:4.4/4

+ sign -1.822+/-6.641 χ^2/NDF: 26.1/22

All: 4.903+/-4.835 χ^2/NDF: 50.7/46

- 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: 20.351+/-0.006 χ^2/NDF:71301.1/6

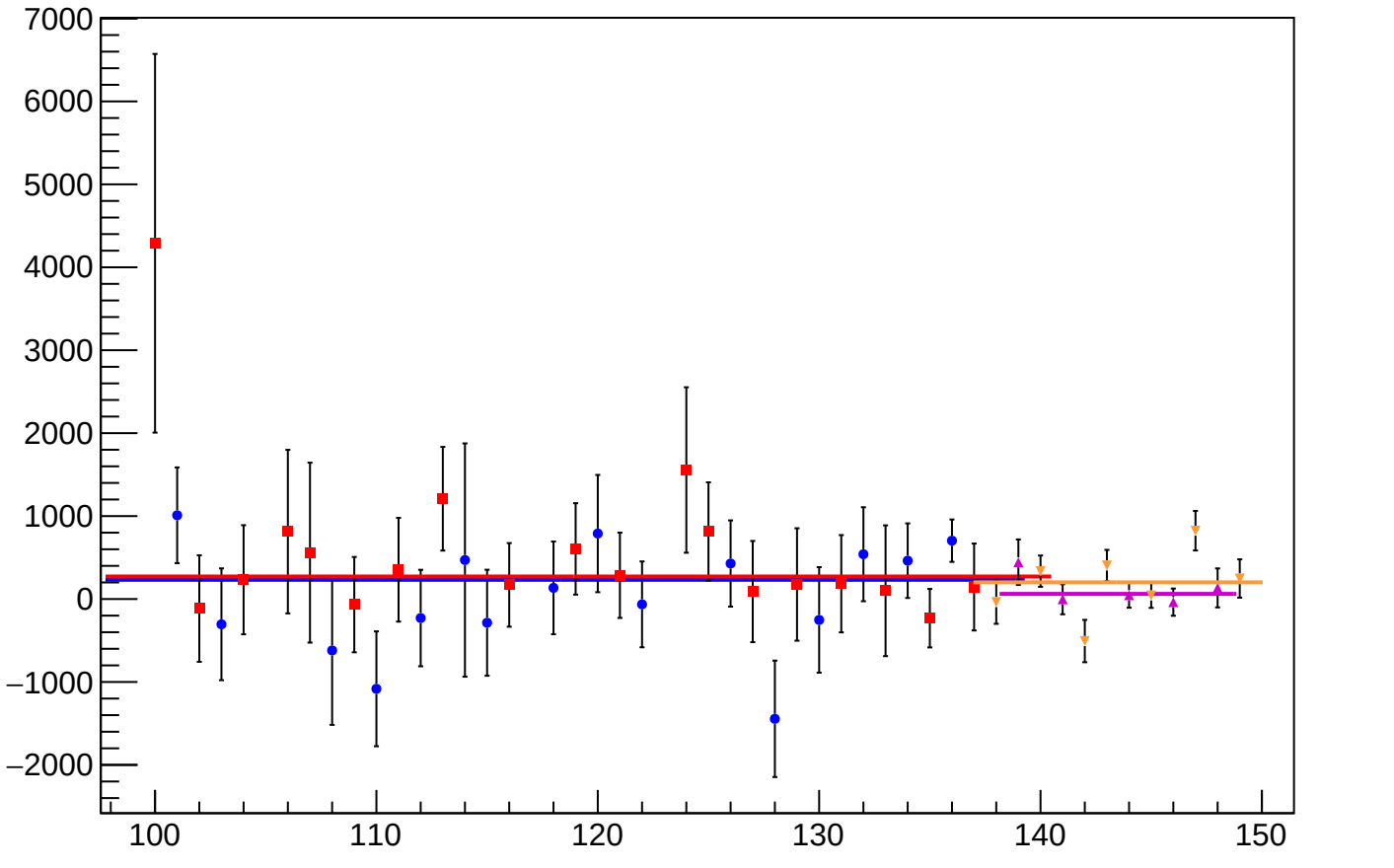
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.152+/-0.007 χ^2/NDF:41992.9/4

+ sign 22.918+/-0.005 χ^2/NDF: 1132442.9/22

All: 23.163+/-0.003 χ^2/NDF: 2413002.9/46

- 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: 201.303+/-77.330 χ^2/NDF:18.2/6

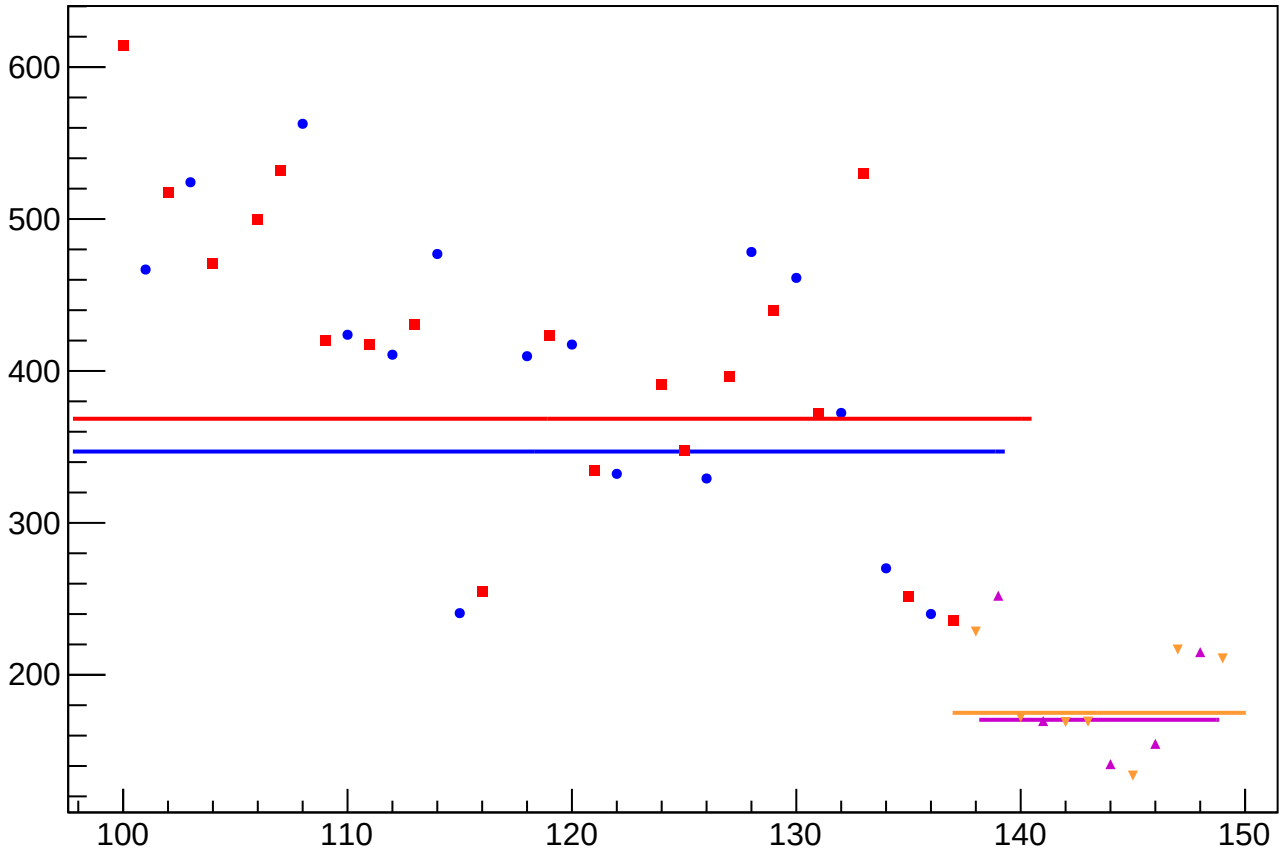
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 62.112+/-83.655 χ^2/NDF:2.5/4

+ sign 208.919+/-67.085 χ^2/NDF: 37.8/22

All: 166.134+/-49.030 χ^2/NDF: 54.5/46

- 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: 174.989+/-0.055 χ^2/NDF:348278.6/6

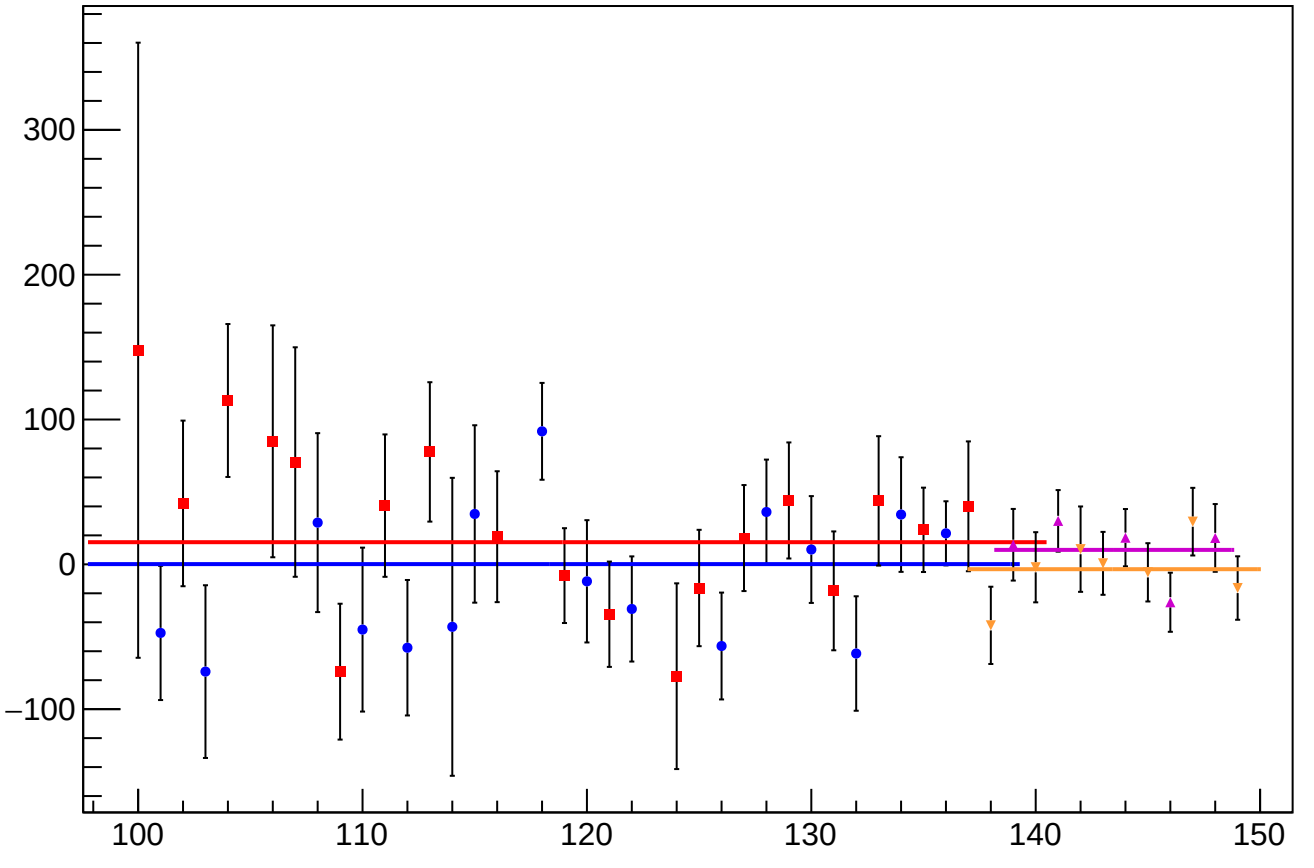
Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 170.396+/-0.059 χ^2/NDF:342301.7/4

+ sign 217.539+/-0.047 χ^2/NDF: 3853749.9/22

All: 219.817+/-0.035 χ^2/NDF: 8047813.9/46

- sign 222.430+/-0.051 χ^2/NDF: 4189111.2/23



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -3.357+/-8.851 χ^2/NDF:4.7/6

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

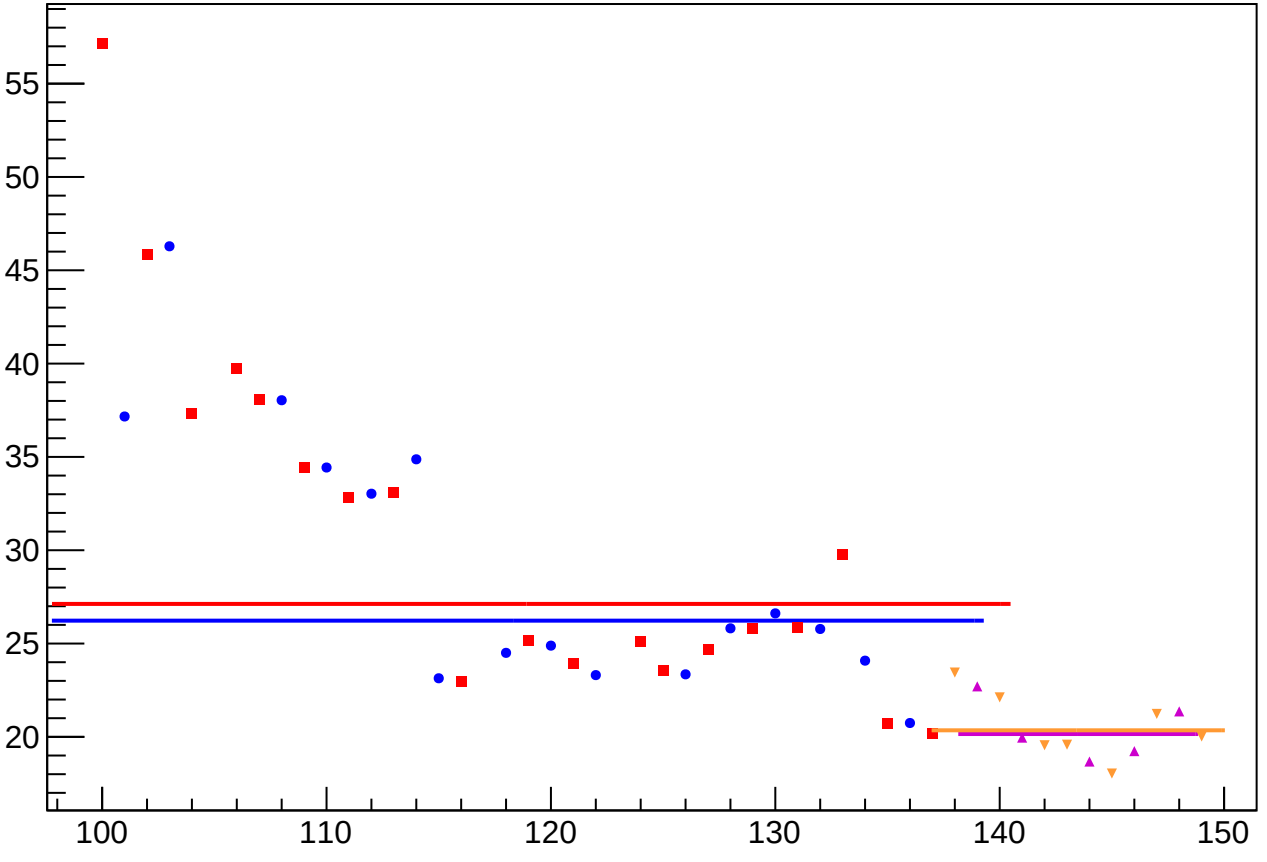
Left In: 9.976+/-9.699 χ^2/NDF:4.4/4

+ sign -1.822+/-6.641 χ^2/NDF: 26.1/22

All: 4.903+/-4.835 χ^2/NDF: 50.7/46

- 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: 20.351+/-0.006 χ^2/NDF:71301.1/6

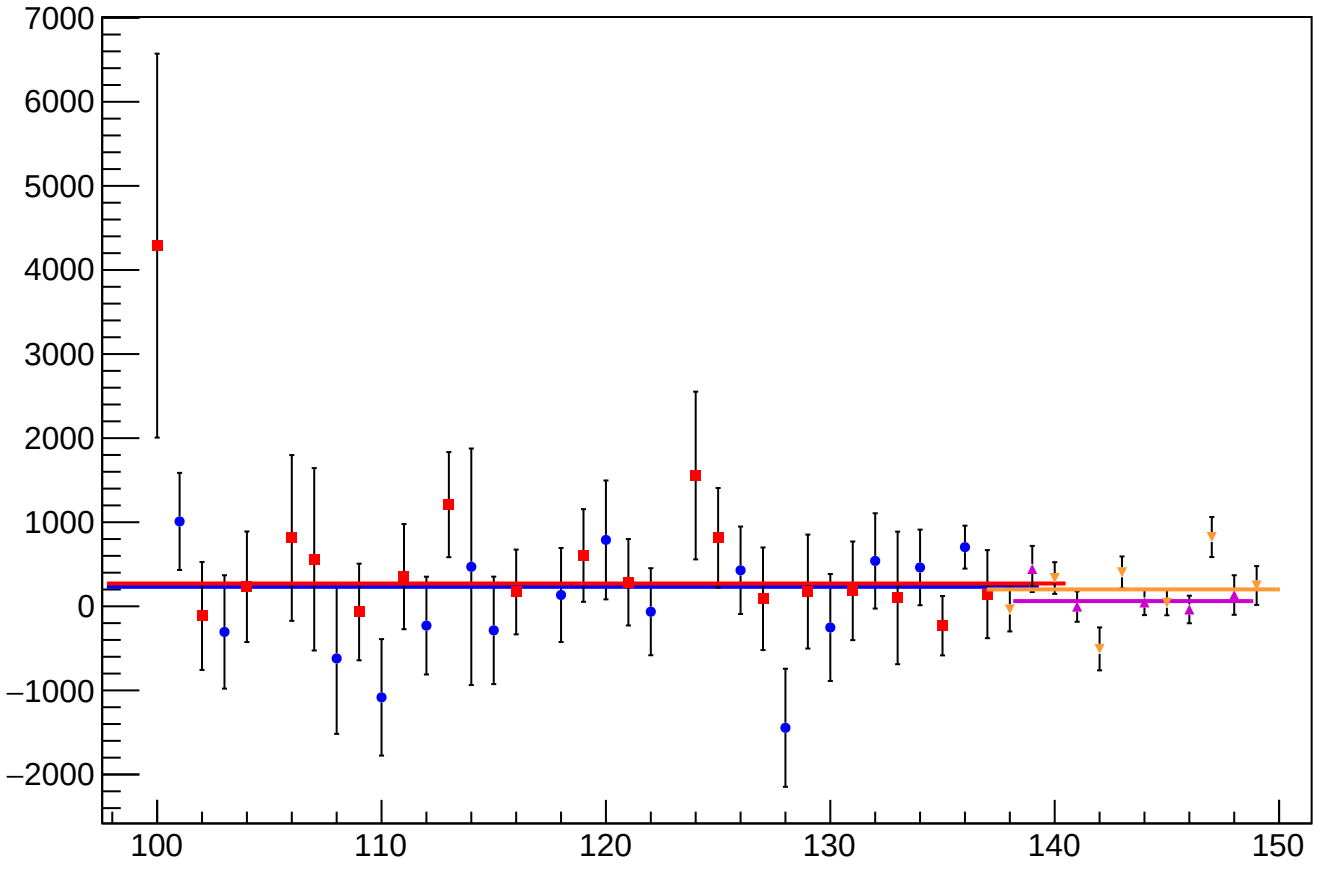
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.152+/-0.007 χ^2/NDF:41992.9/4

+ sign 22.918+/-0.005 χ^2/NDF: 1132442.9/22

All: 23.163+/-0.003 χ^2/NDF: 2413002.9/46

- 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: 201.303+/-77.330 χ^2/NDF:18.2/6

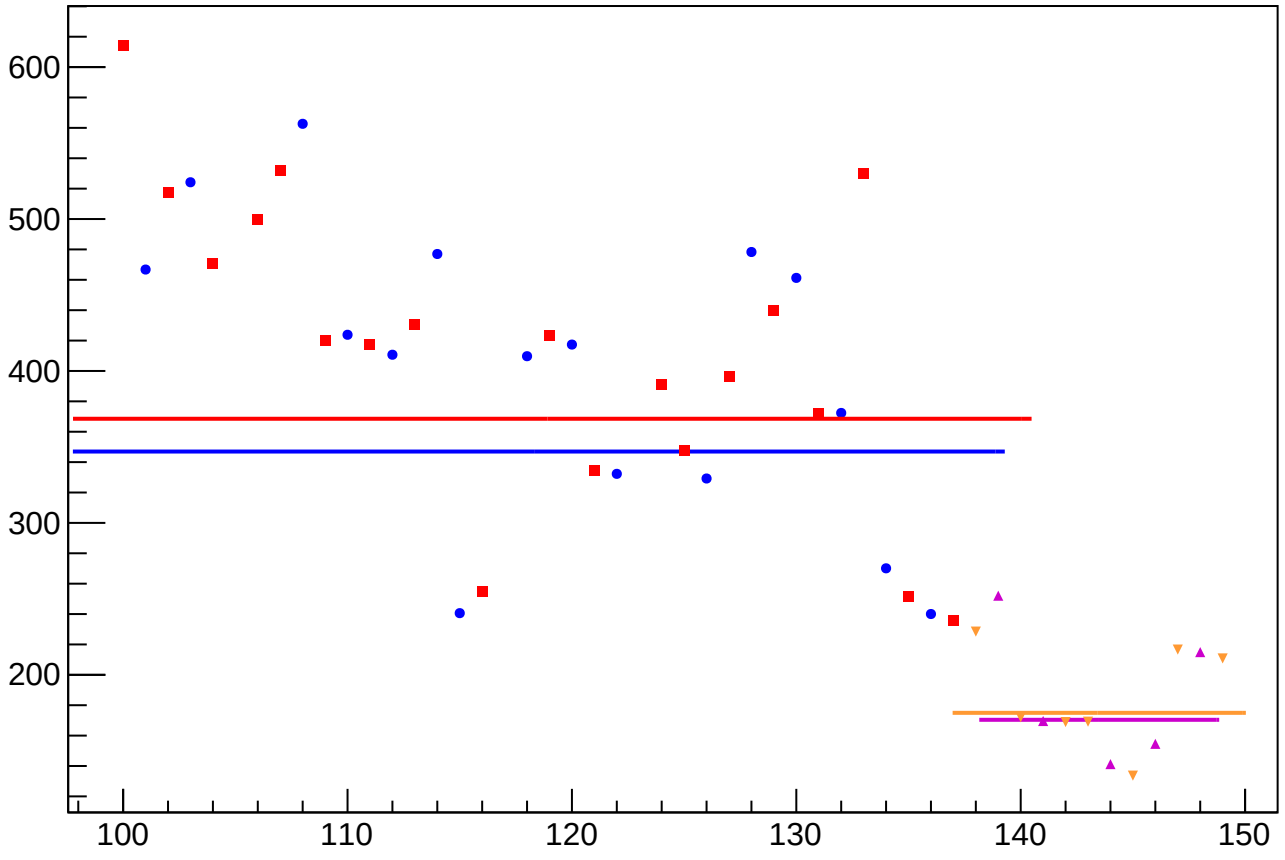
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 62.112+/-83.655 χ^2/NDF:2.5/4

+ sign 208.919+/-67.085 χ^2/NDF: 37.8/22

All: 166.134+/-49.030 χ^2/NDF: 54.5/46

- 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: 174.989+/-0.055 χ^2/NDF:348278.6/6

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

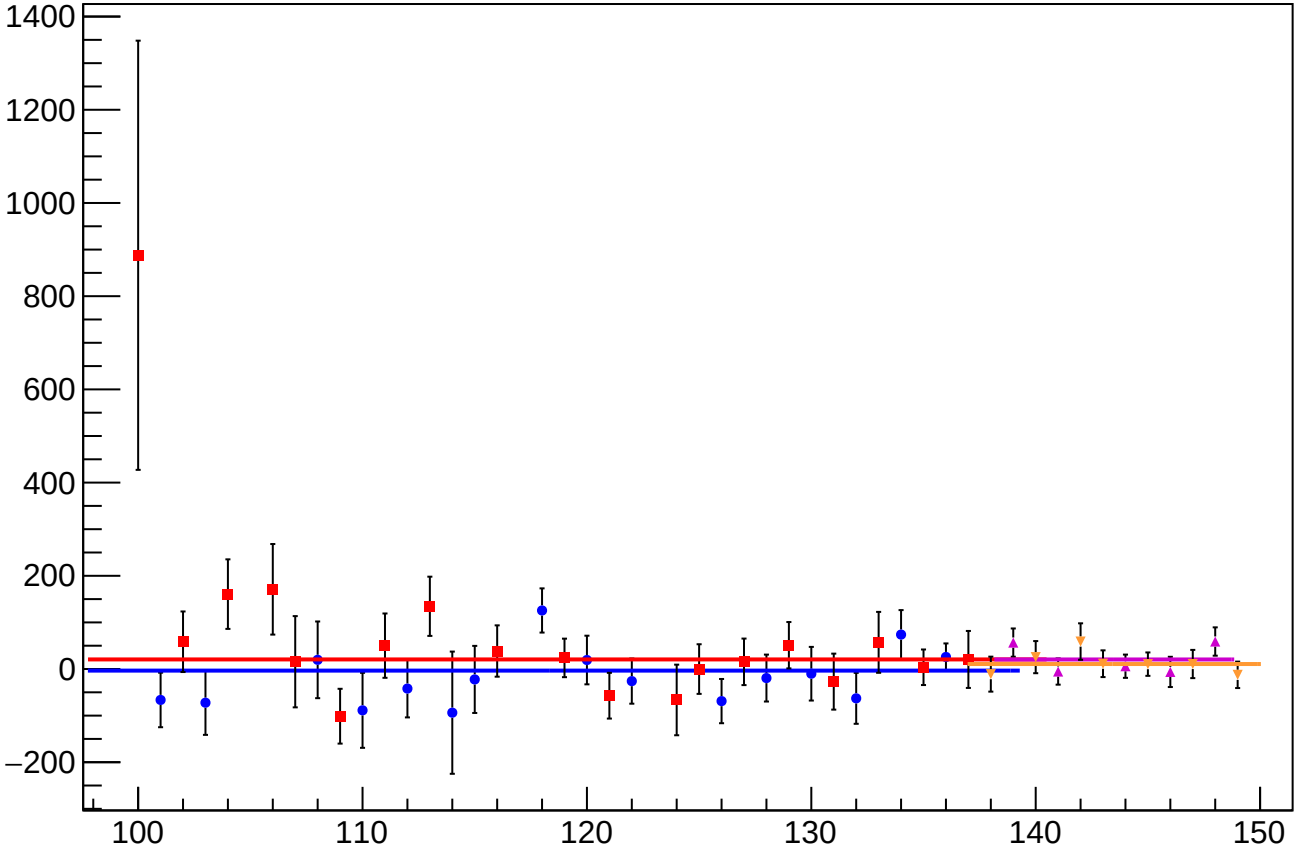
Left In: 170.396+/-0.059 χ^2/NDF:342301.7/4

+ sign 217.539+/-0.047 χ^2/NDF: 3853749.9/22

All: 219.817+/-0.035 χ^2/NDF: 8047813.9/46

- 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: 10.699+/-11.672 χ^2/NDF:2.7/6

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

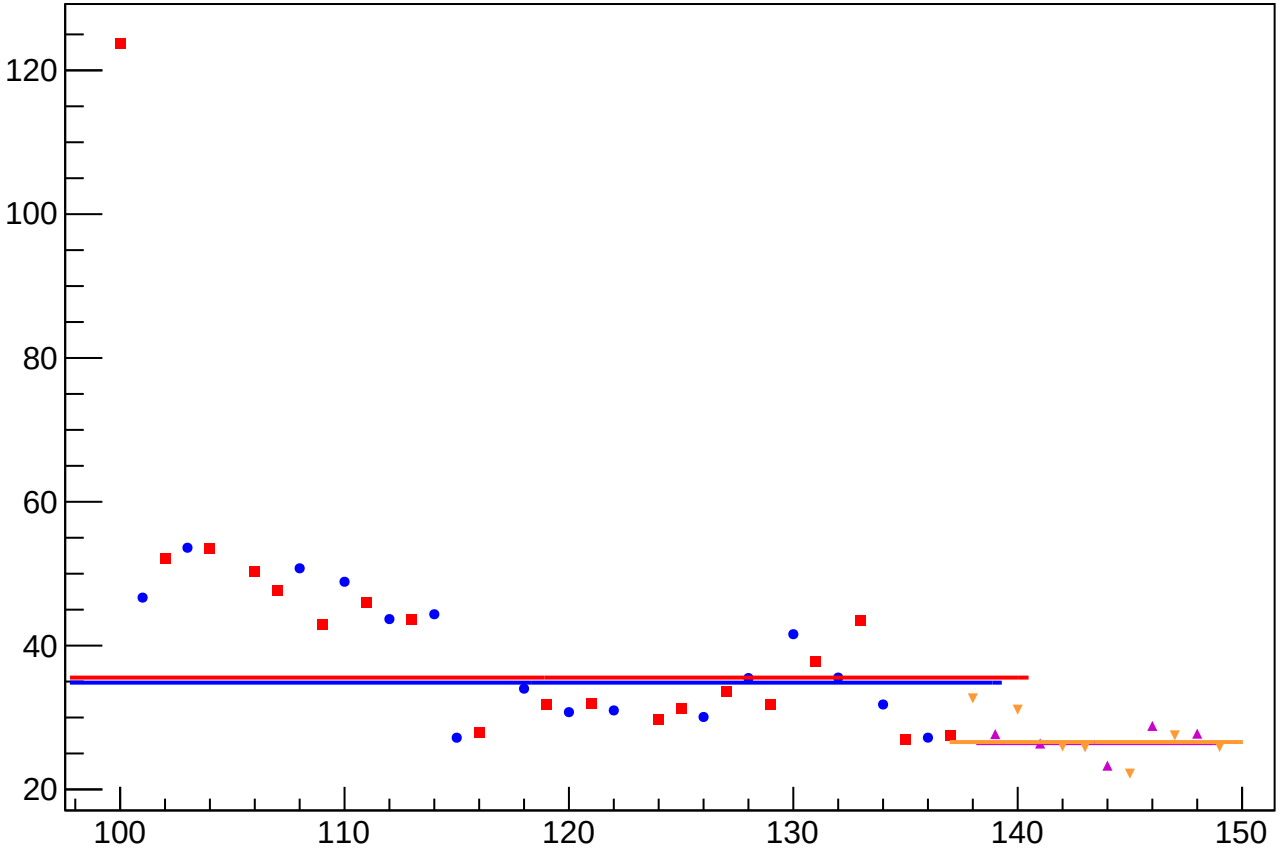
Left In: 20.470+/-12.925 χ^2/NDF:4.9/4

+ sign 4.603+/-8.799 χ^2/NDF: 21.8/22

All: 12.096+/-6.401 χ^2/NDF: 51.4/46

- 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: 26.587+/-0.008 χ^2/NDF:152640.9/6

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

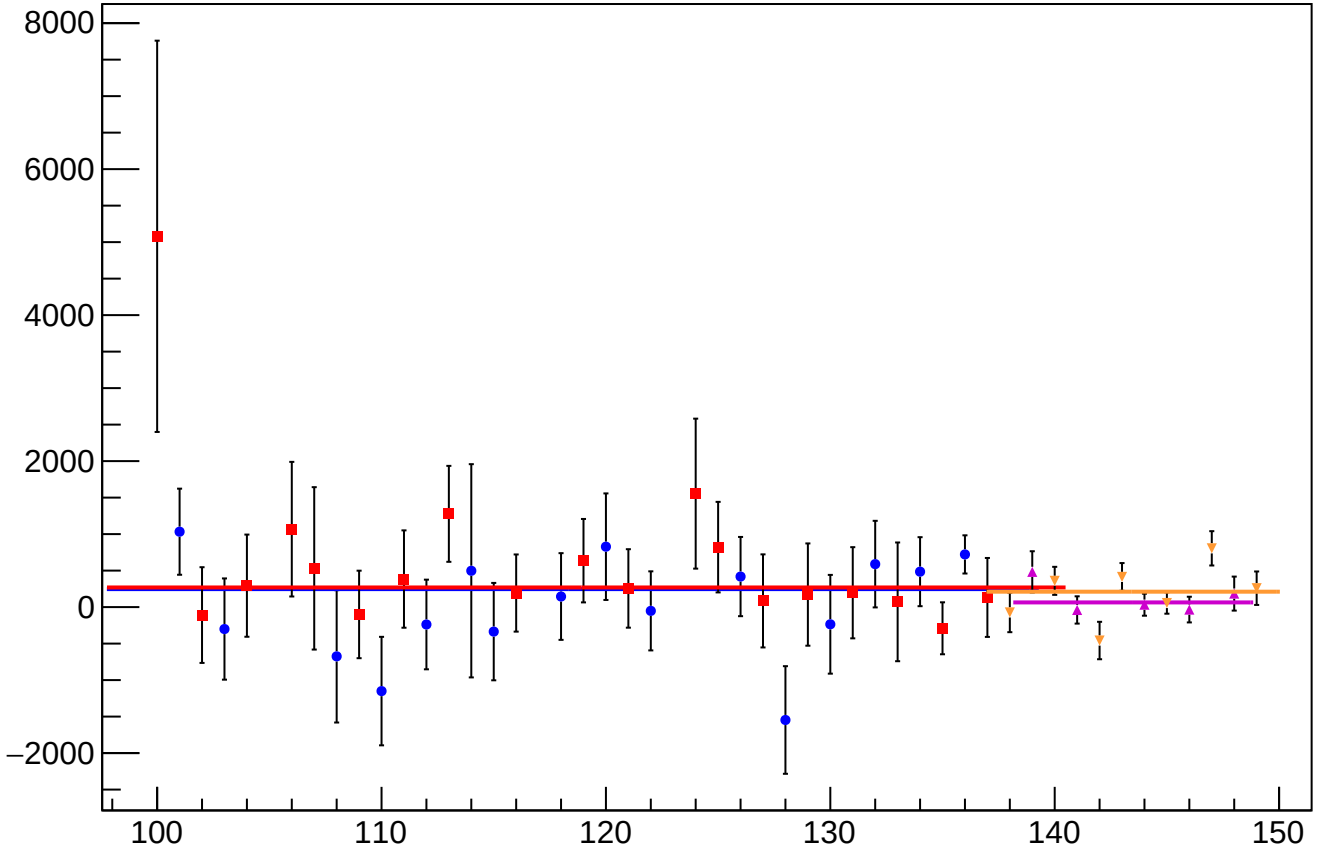
Left In: 26.436+/-0.009 χ^2/NDF:49557.0/4

+ sign 30.154+/-0.006 χ^2/NDF: 1243501.2/22

All: 30.460+/-0.005 χ^2/NDF: 2554949.9/46

- 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: 211.111+/-77.265 χ^2/NDF:17.2/6

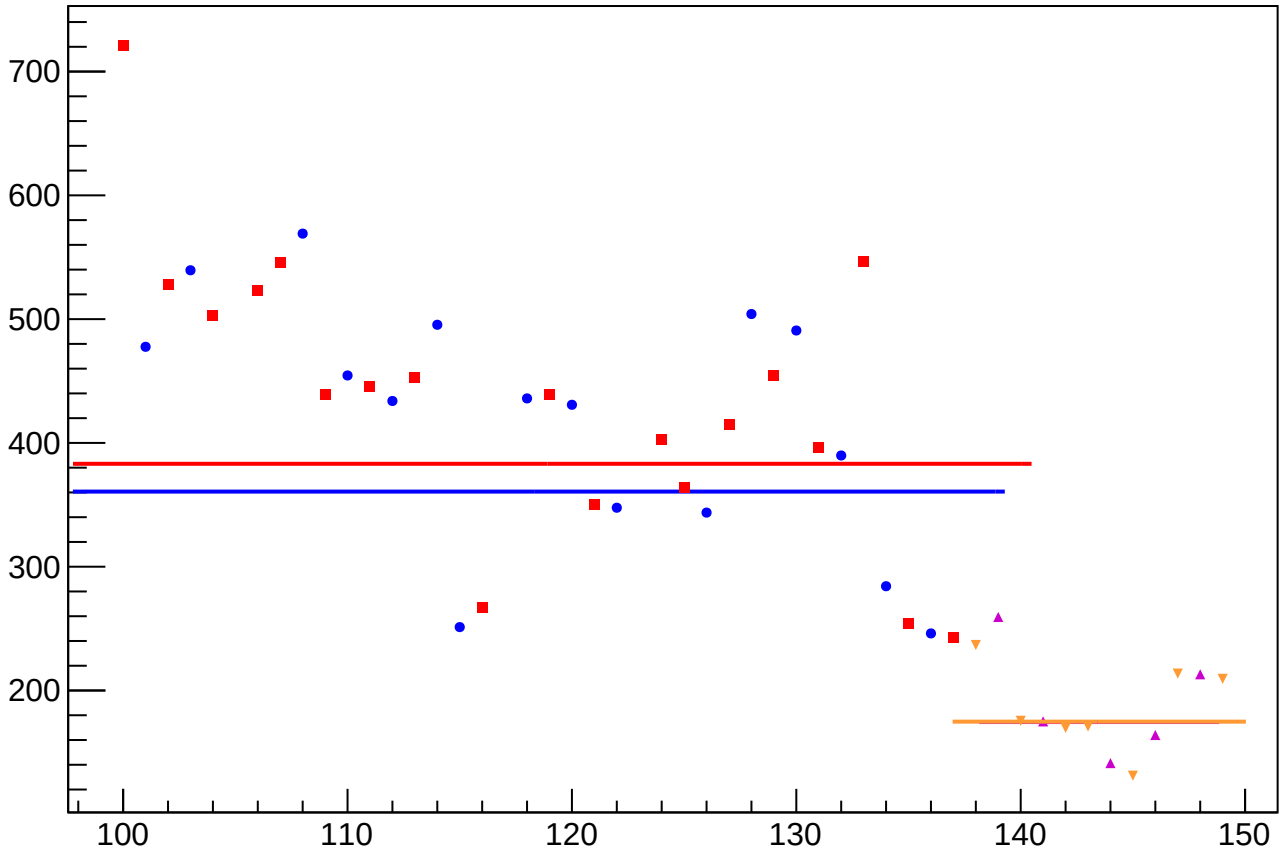
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 64.078+/-85.827 χ^2/NDF:3.1/4

+ sign 219.350+/-67.678 χ^2/NDF: 37.0/22

All: 172.692+/-49.910 χ^2/NDF: 55.3/46

- 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: 174.836+/-0.055 χ^2/NDF:384235.2/6

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

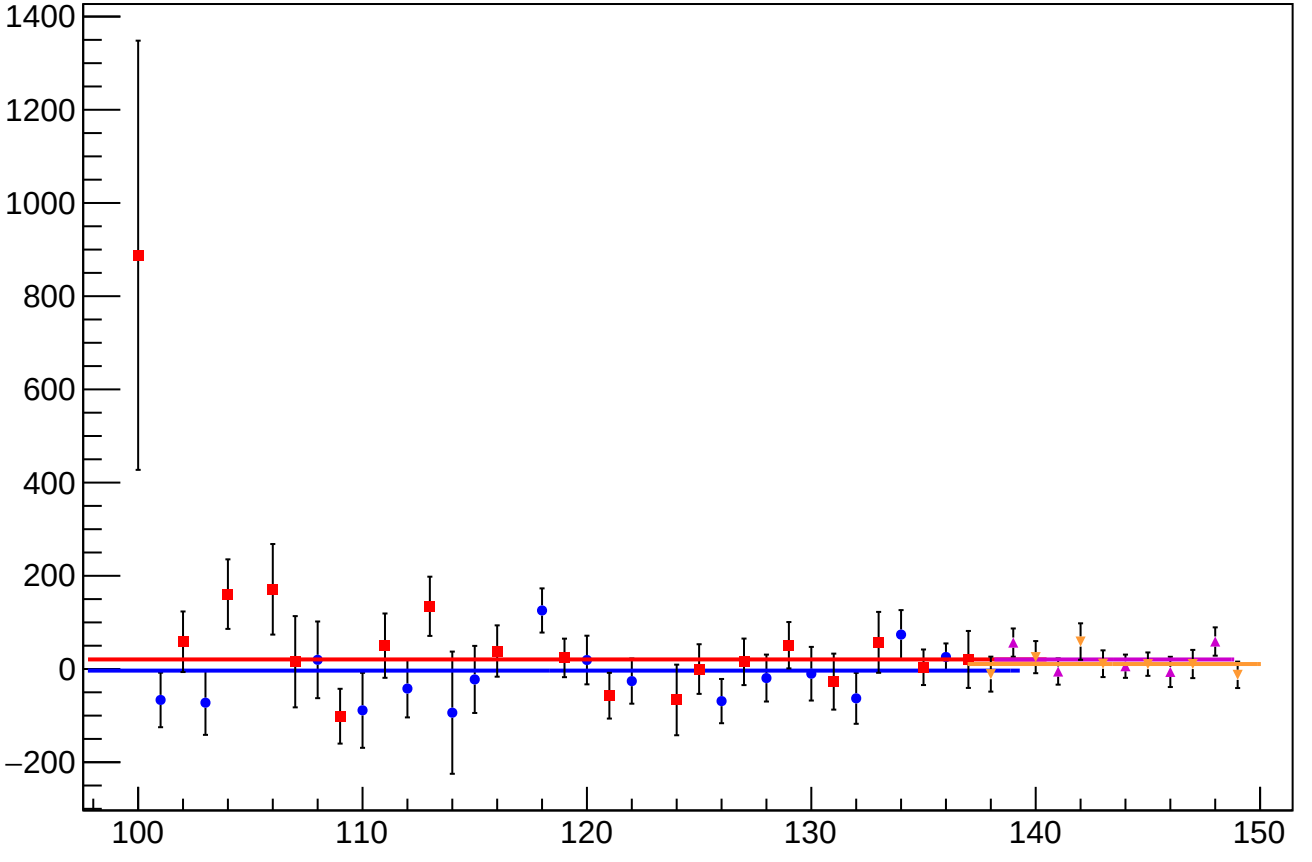
Left In: 174.514+/-0.061 χ^2/NDF:339239.2/4

+ sign 218.098+/-0.048 χ^2/NDF: 4170714.4/22

All: 222.833+/-0.035 χ^2/NDF: 8551130.7/46

- 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: 10.699+/-11.672 χ^2/NDF:2.7/6

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

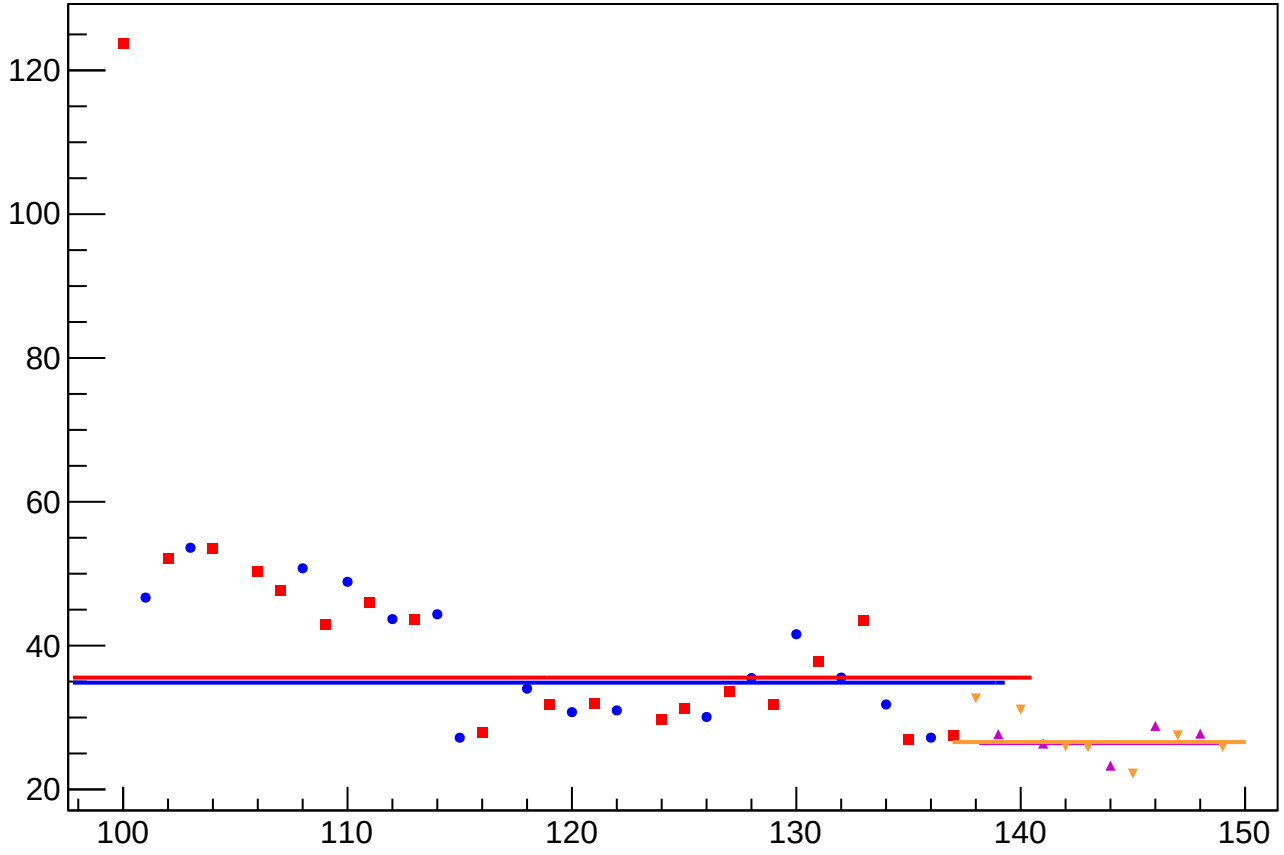
Left In: 20.470+/-12.925 χ^2/NDF:4.9/4

+ sign 4.602+/-8.799 χ^2/NDF: 21.8/22

All: 12.096+/-6.401 χ^2/NDF: 51.4/46

- 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: 26.587+/-0.008 χ^2/NDF:152623.9/6

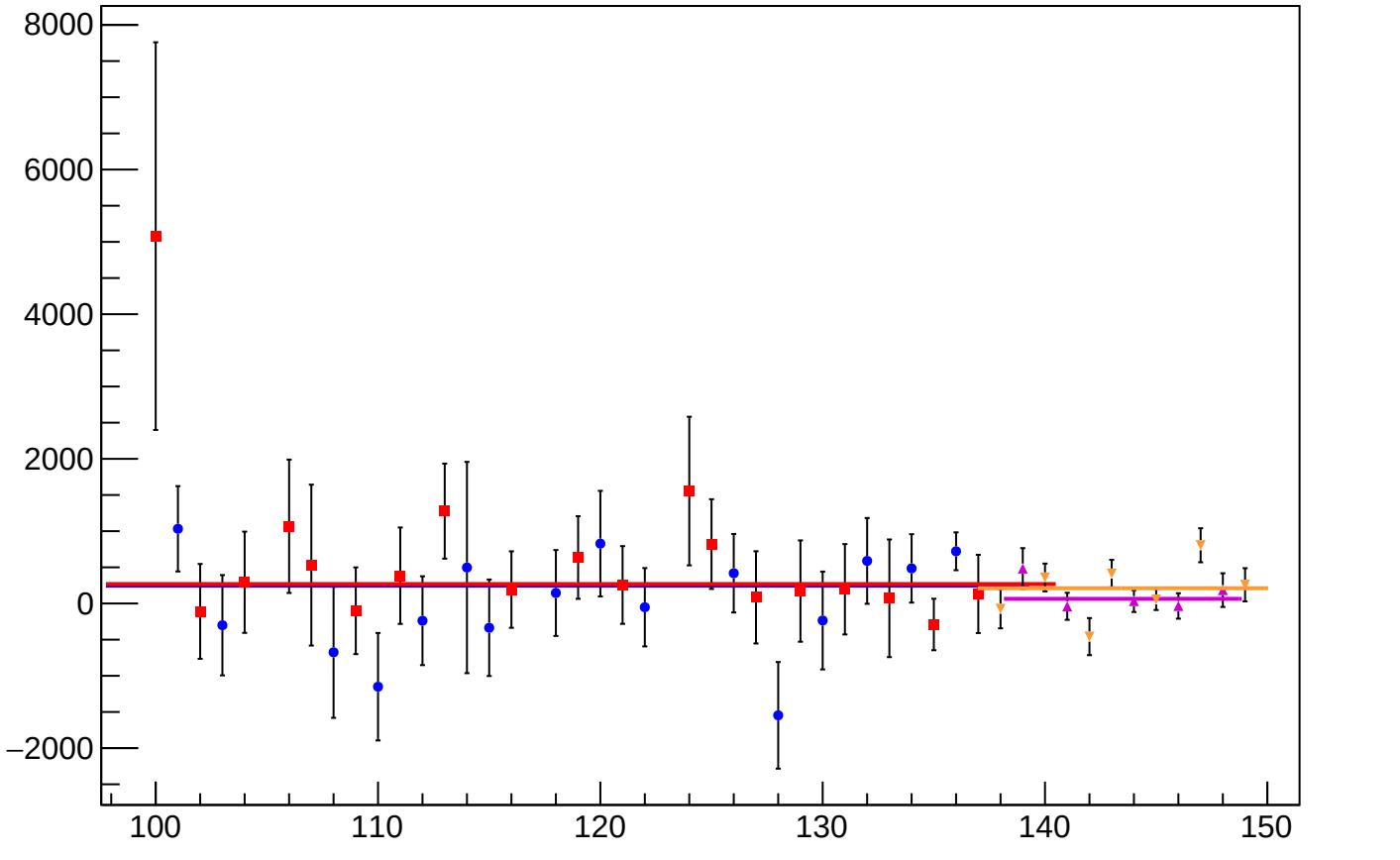
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.435+/-0.009 χ^2/NDF:49552.7/4

+ sign 30.154+/-0.006 χ^2/NDF: 1243384.3/22

All: 30.460+/-0.005 χ^2/NDF: 2554765.8/46

- sign 30.804+/-0.007 χ^2/NDF: 1306236.2/23



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 211.111+/-77.265 χ^2/NDF:17.2/6

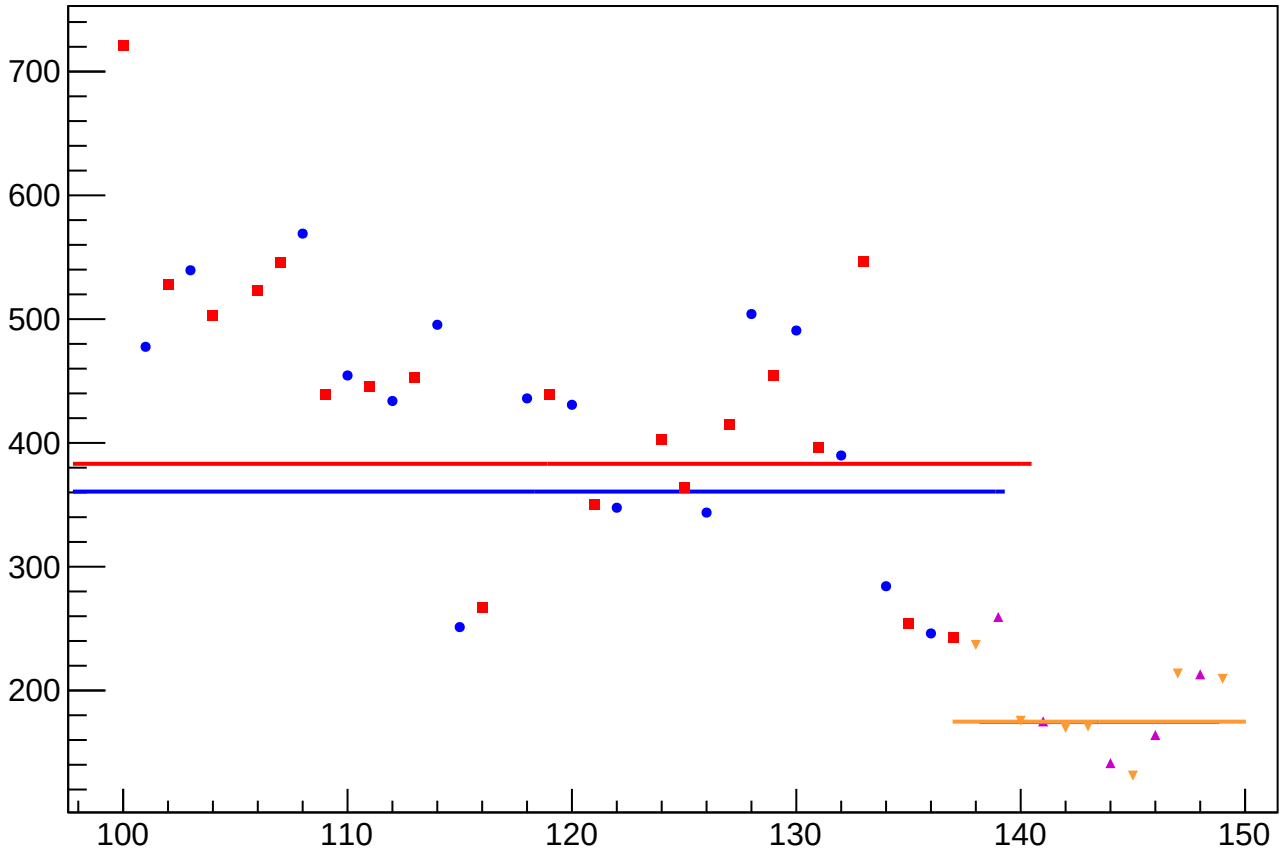
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 64.078+/-85.827 χ^2/NDF:3.1/4

+ sign 219.349+/-67.677 χ^2/NDF: 37.0/22

All: 172.692+/-49.909 χ^2/NDF: 55.3/46

- 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: 174.835+/-0.055 χ^2/NDF:384241.6/6

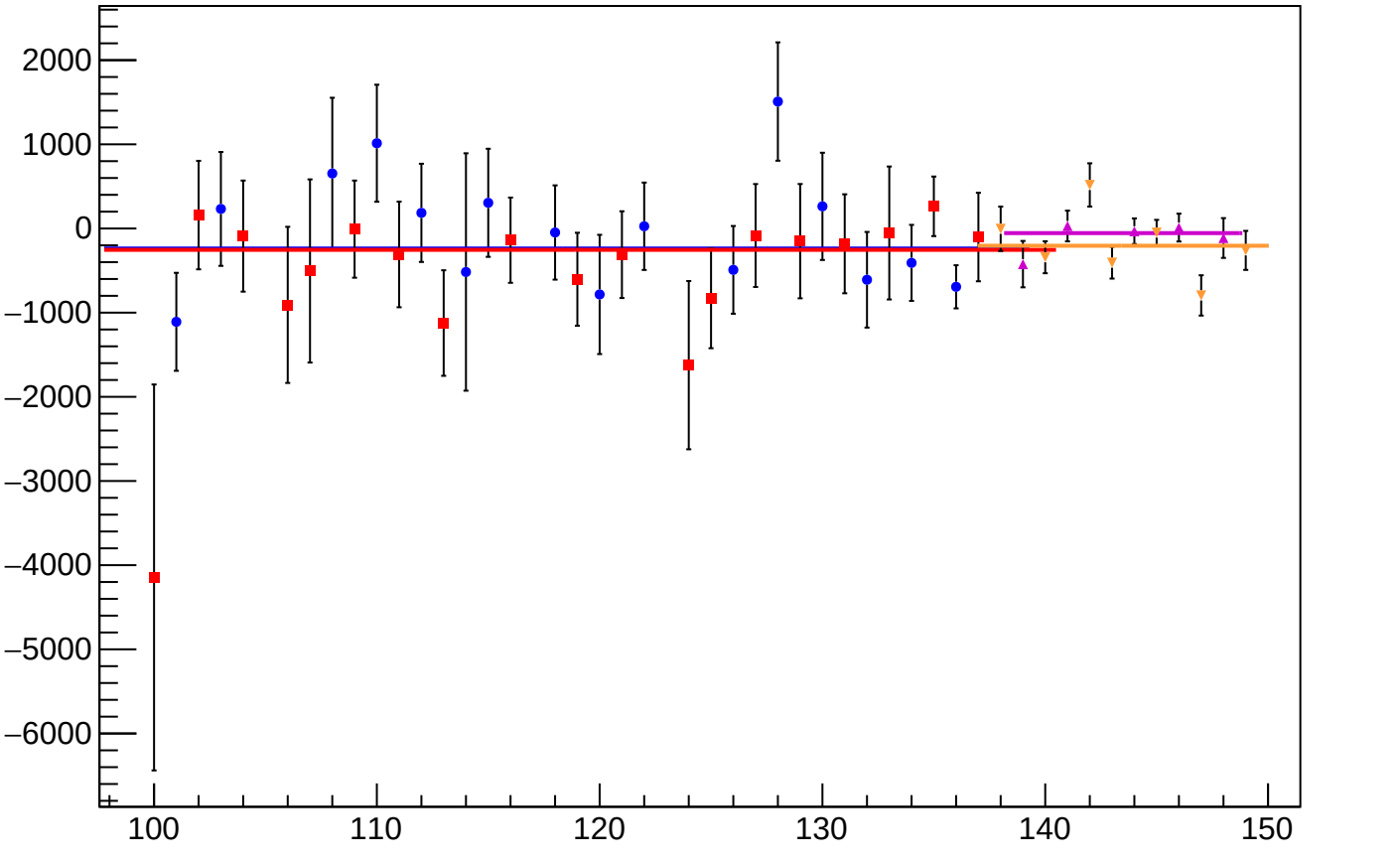
Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 174.514+/-0.061 χ^2/NDF:339236.5/4

+ sign 218.097+/-0.048 χ^2/NDF: 4170722.6/22

All: 222.832+/-0.035 χ^2/NDF: 8551135.0/46

- sign 228.478+/-0.052 χ^2/NDF: 4358948.5/23



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -205.039+/-77.883 χ^2/NDF:17.3/6

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

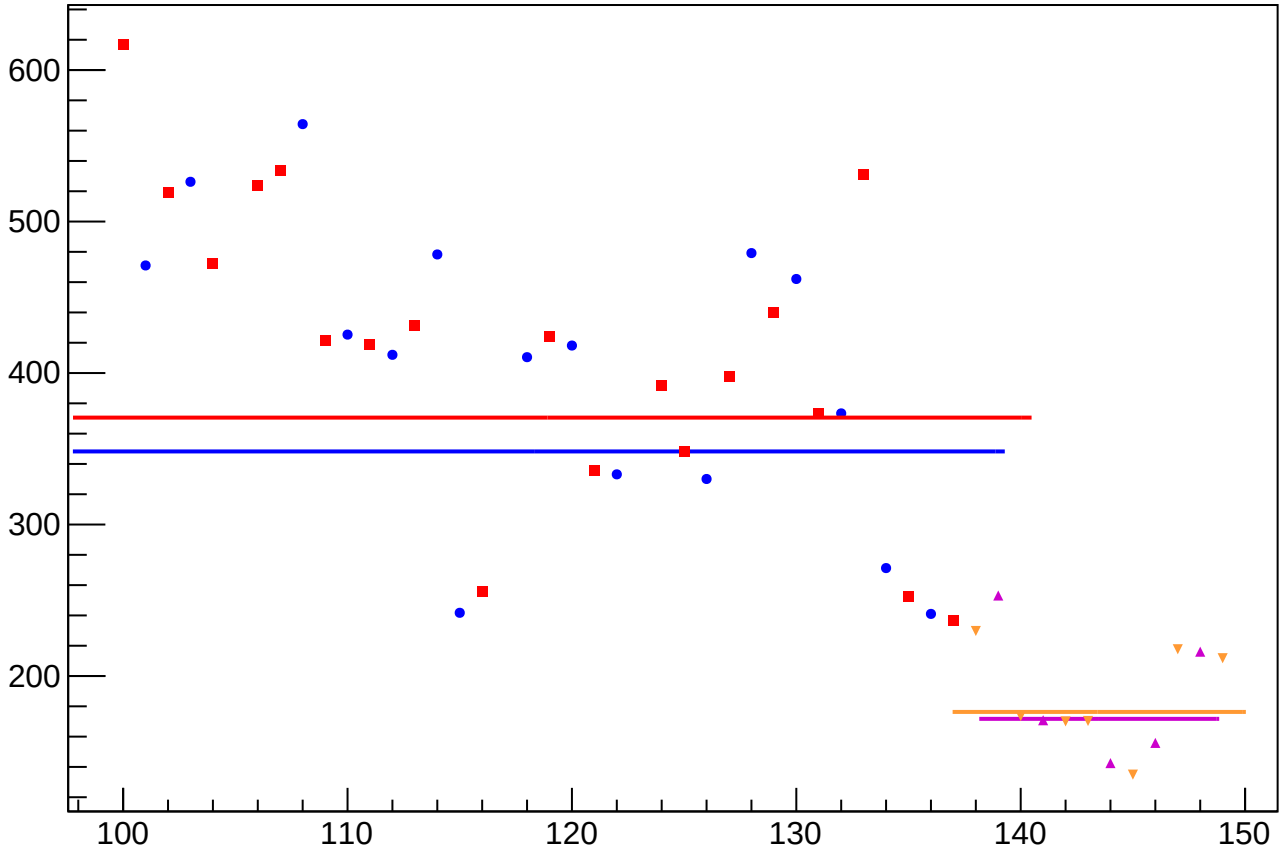
Left In: -54.857+/-84.275 χ^2/NDF:2.2/4

+ sign -213.249+/-67.505 χ^2/NDF: 37.3/22

All: -163.944+/-49.329 χ^2/NDF: 53.9/46

- 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: 176.307+/-0.055 χ^2/NDF:342183.9/6

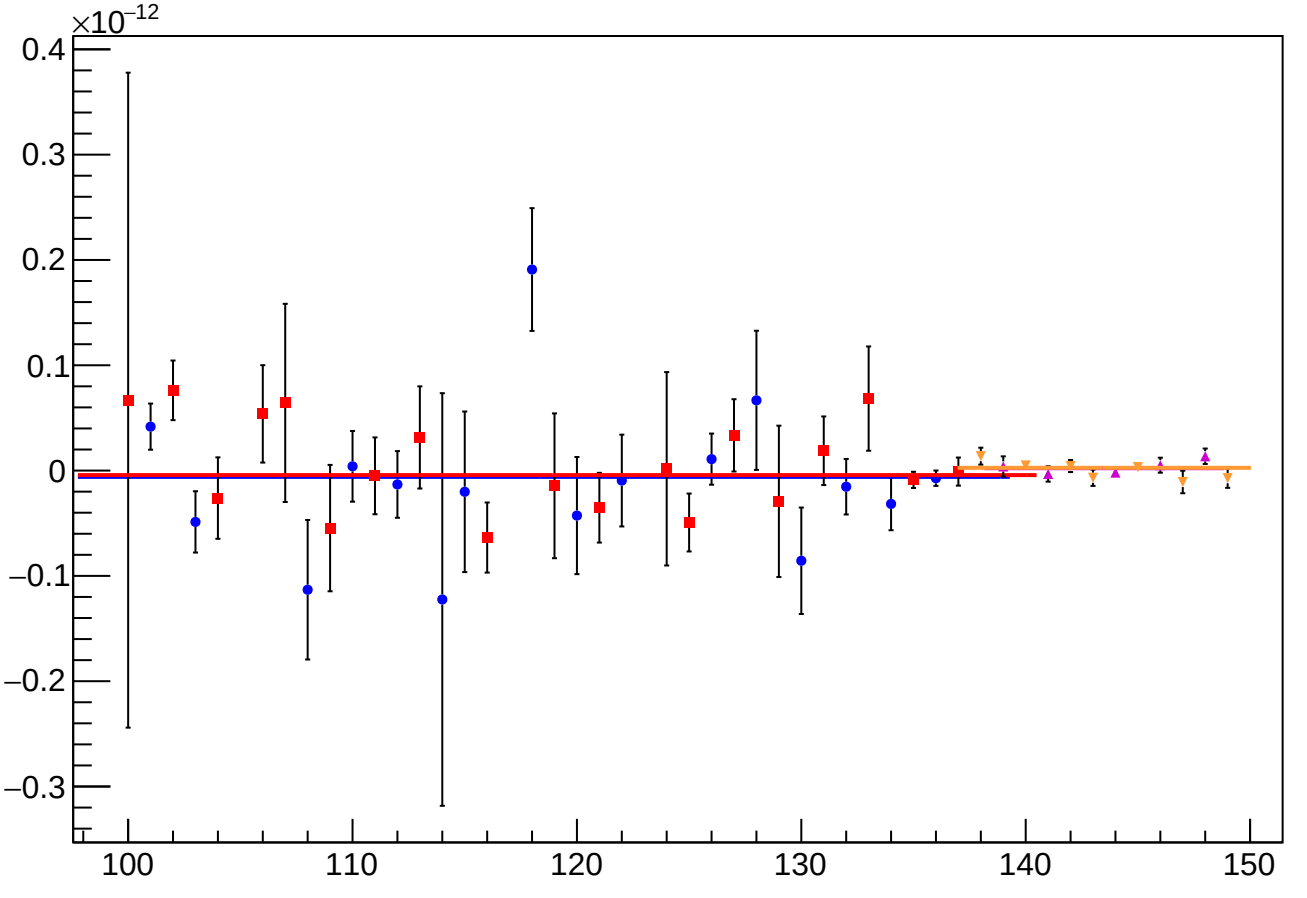
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 171.728+/-0.060 χ^2/NDF:337023.2/4

+ sign 219.078+/-0.048 χ^2/NDF: 3823879.2/22

All: 221.554+/-0.035 χ^2/NDF: 8033631.4/46

- sign 224.391+/-0.051 χ^2/NDF: 4203977.8/23



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/6

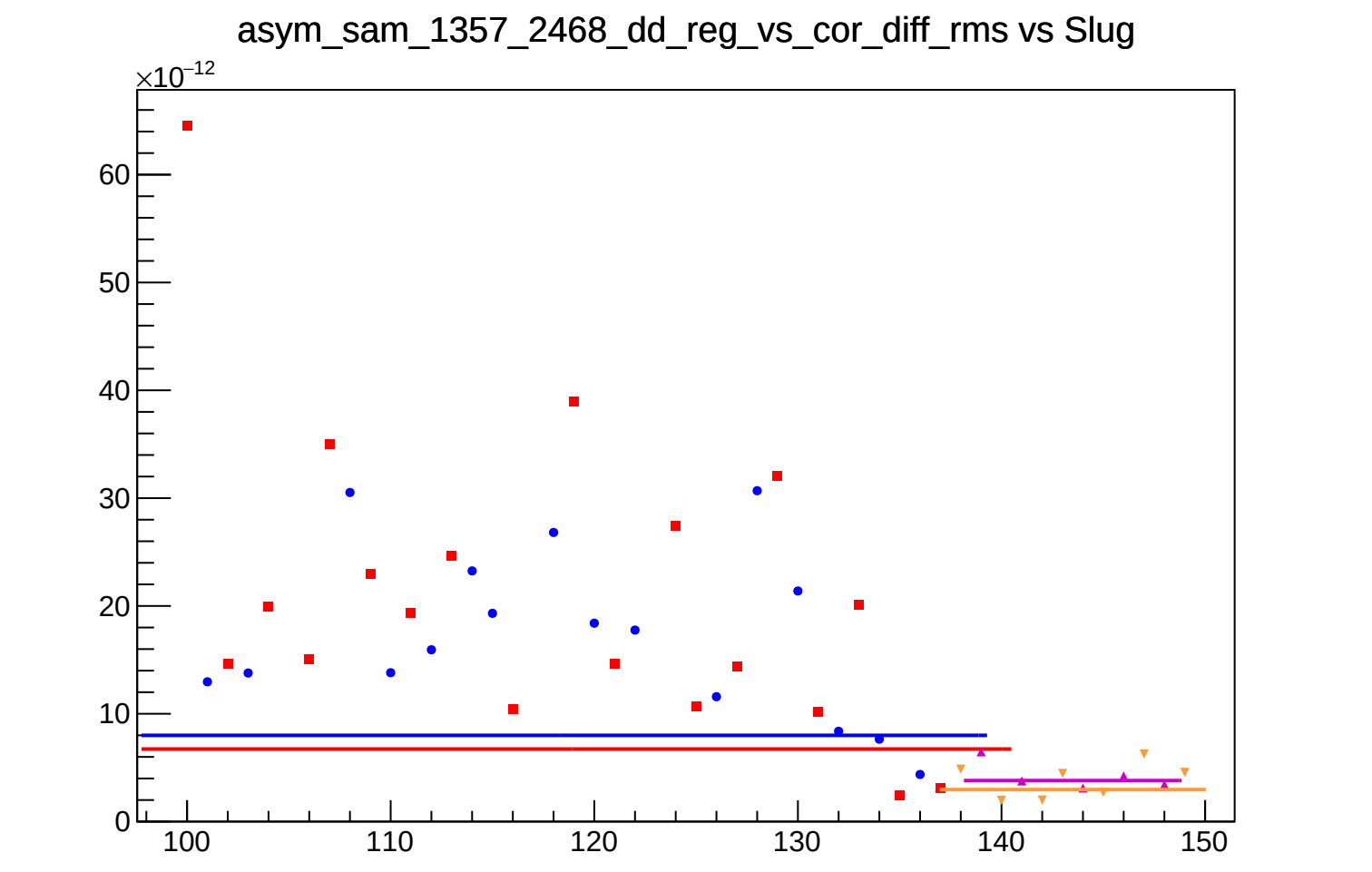
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 35.8/22

All: 0.000+/-0.000 χ^2/NDF: 63.8/46

- sign 0.000+/-0.000 χ^2/NDF: 28.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:623482.1/6

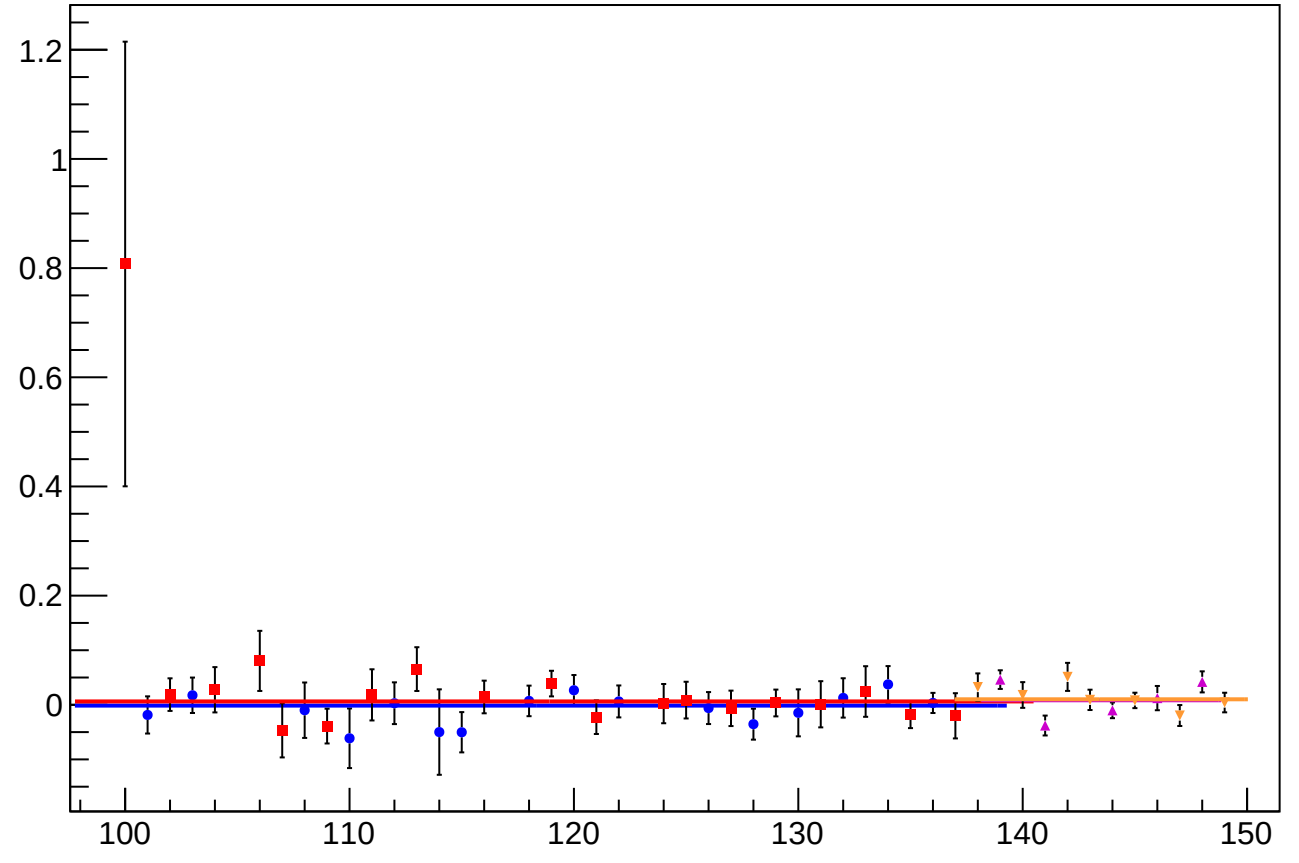
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:209550.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 3920327.4/22

All: 0.000+/-0.000 χ^2/NDF: 8050004.3/46

- 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: 0.010+/-0.007 χ^2/NDF:6.0/6

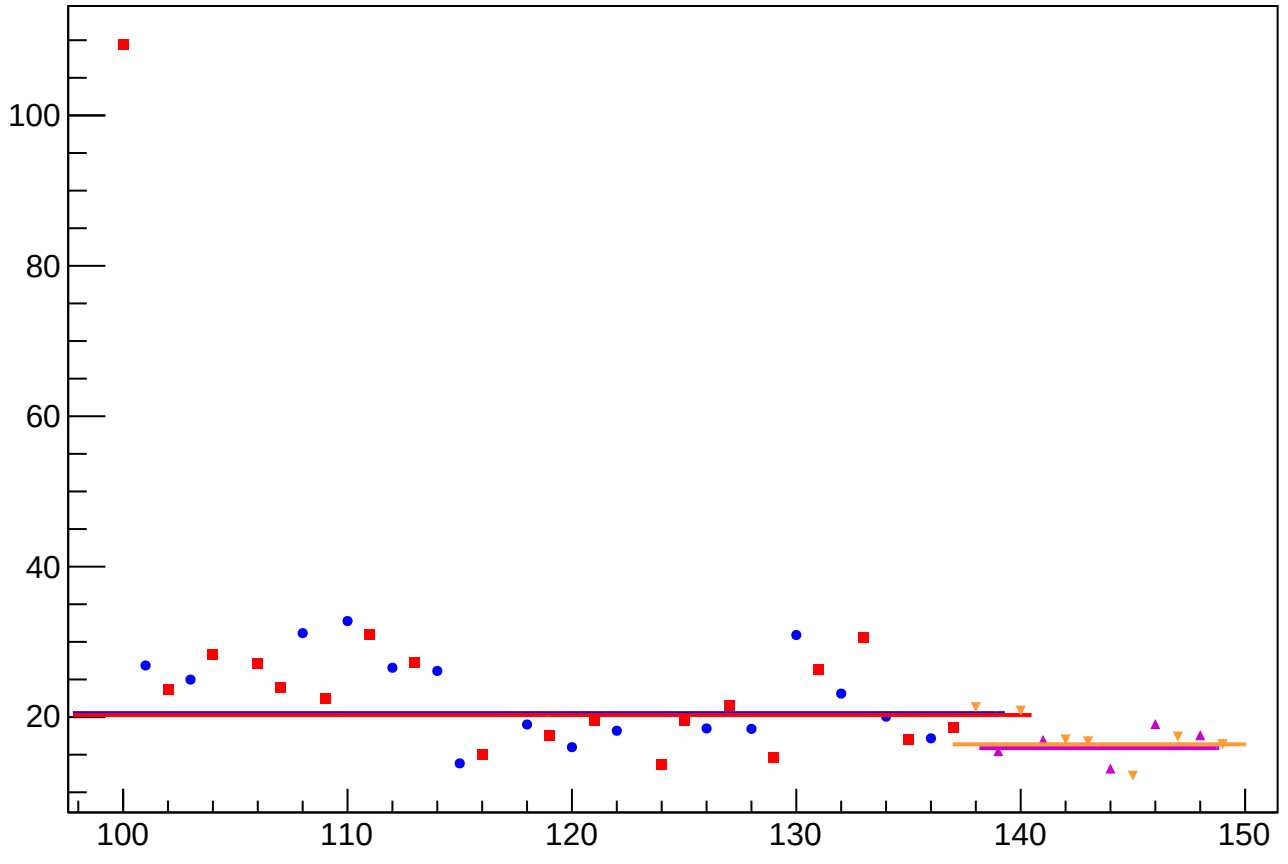
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.008 χ^2/NDF:16.1/4

+ sign 0.005+/-0.005 χ^2/NDF: 15.4/22

All: 0.006+/-0.004 χ^2/NDF: 47.8/46

- 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: 16.376+/-0.005 χ^2/NDF:332271.1/6

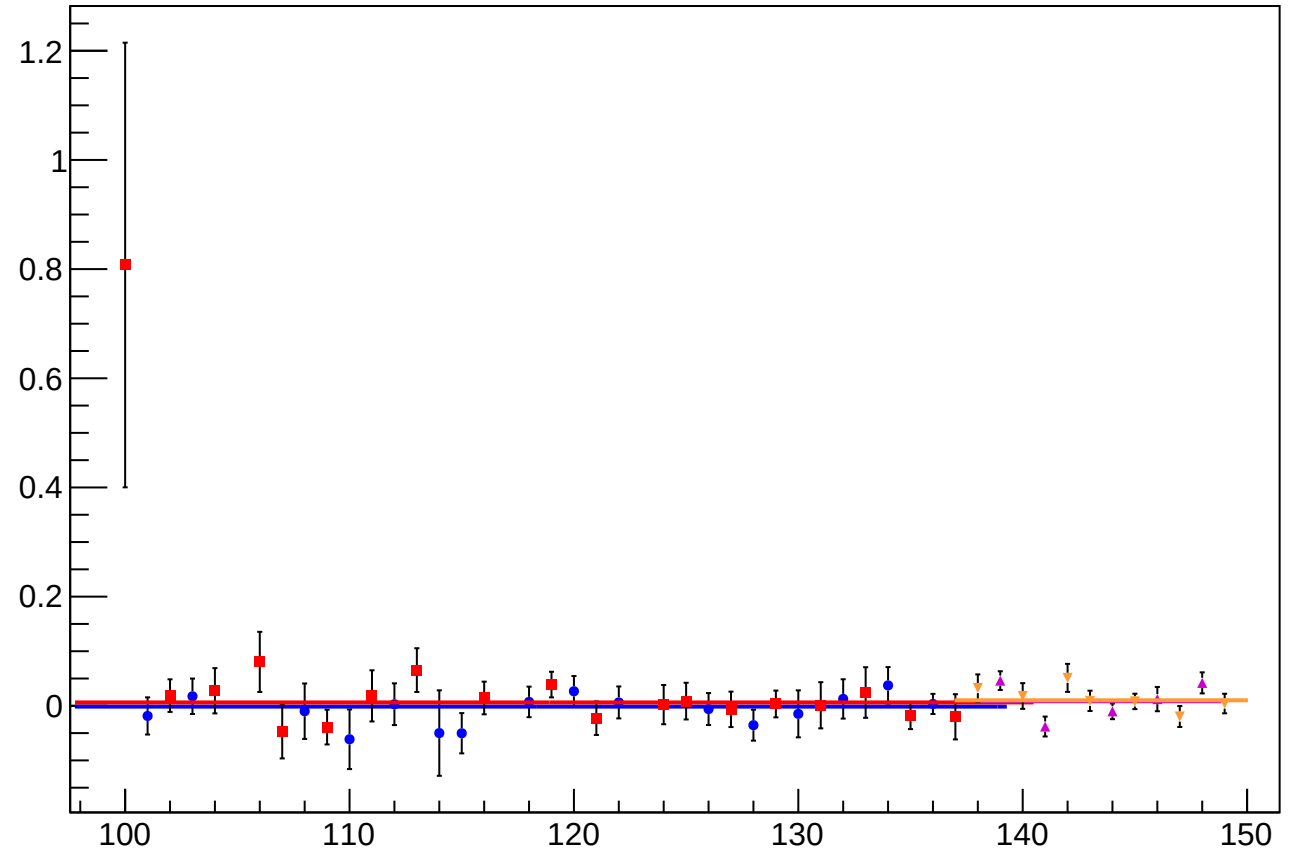
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.874+/-0.006 χ^2/NDF:136621.4/4

+ sign 18.252+/-0.004 χ^2/NDF: 1327985.0/22

All: 18.171+/-0.003 χ^2/NDF: 2641204.5/46

- 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: 0.010+/-0.007 χ^2/NDF:6.0/6

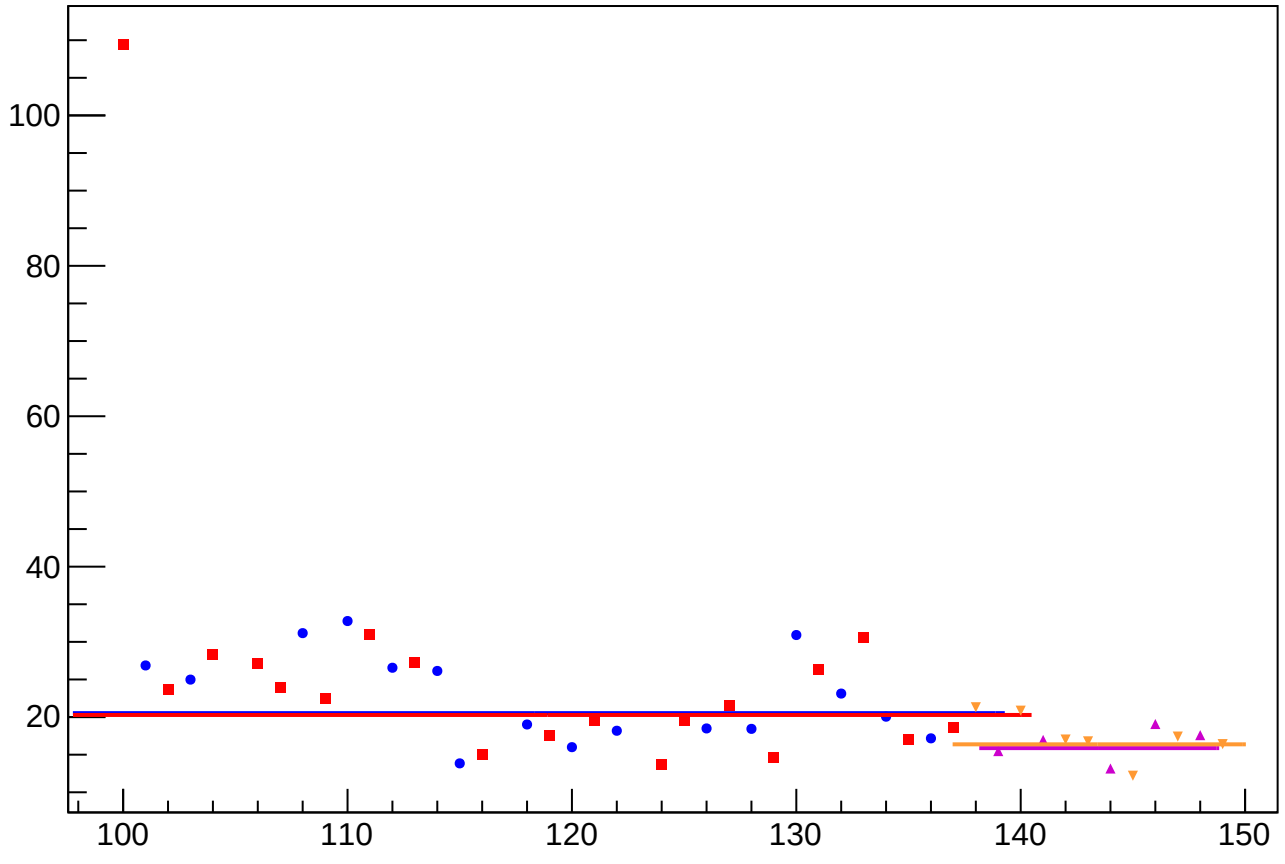
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.008 χ^2/NDF:16.1/4

+ sign 0.005+/-0.005 χ^2/NDF: 15.4/22

All: 0.006+/-0.004 χ^2/NDF: 47.8/46

- 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: 16.376+/-0.005 χ^2/NDF:332271.1/6

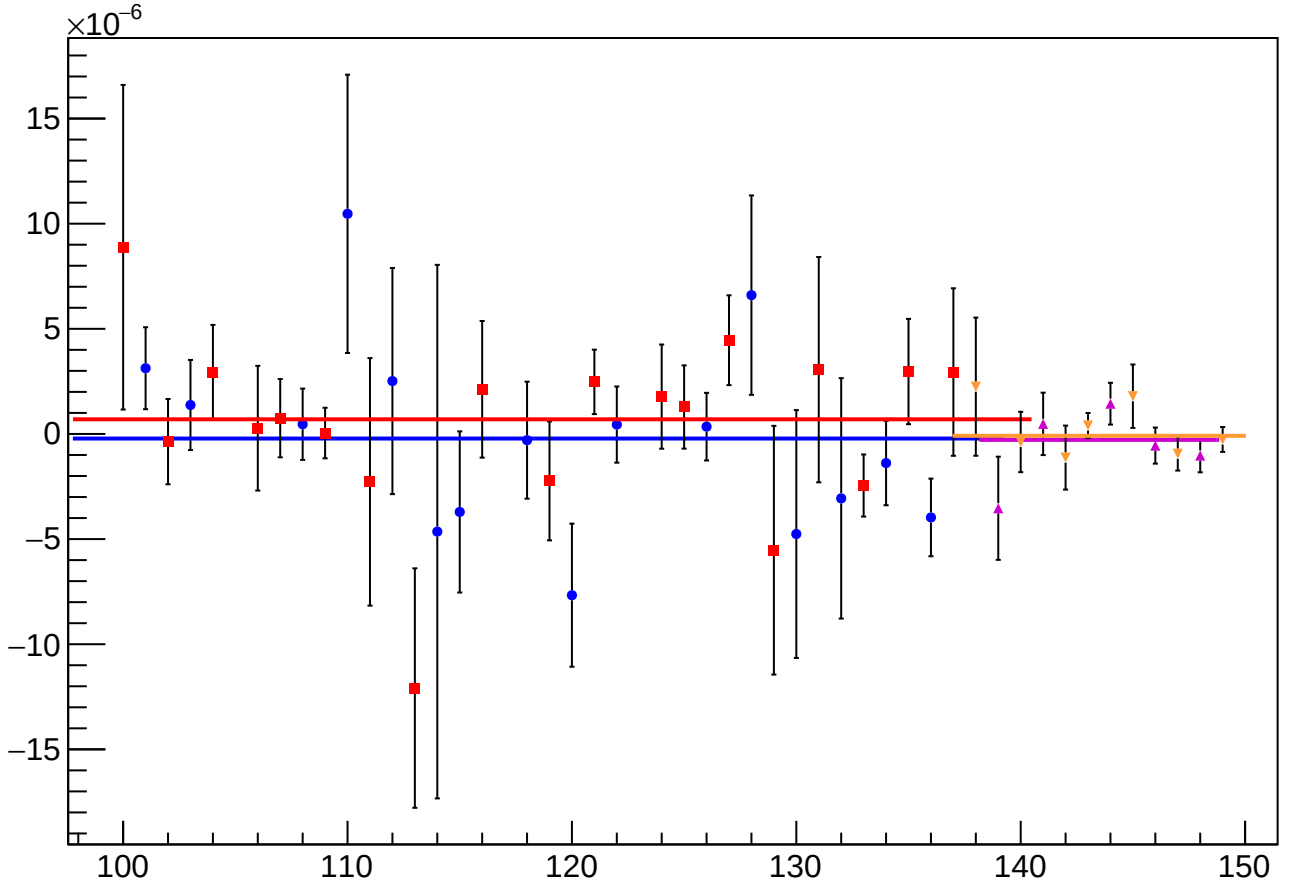
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.874+/-0.006 χ^2/NDF:136621.4/4

+ sign 18.252+/-0.004 χ^2/NDF: 1327985.0/22

All: 18.171+/-0.003 χ^2/NDF: 2641204.5/46

- 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:4.5/6

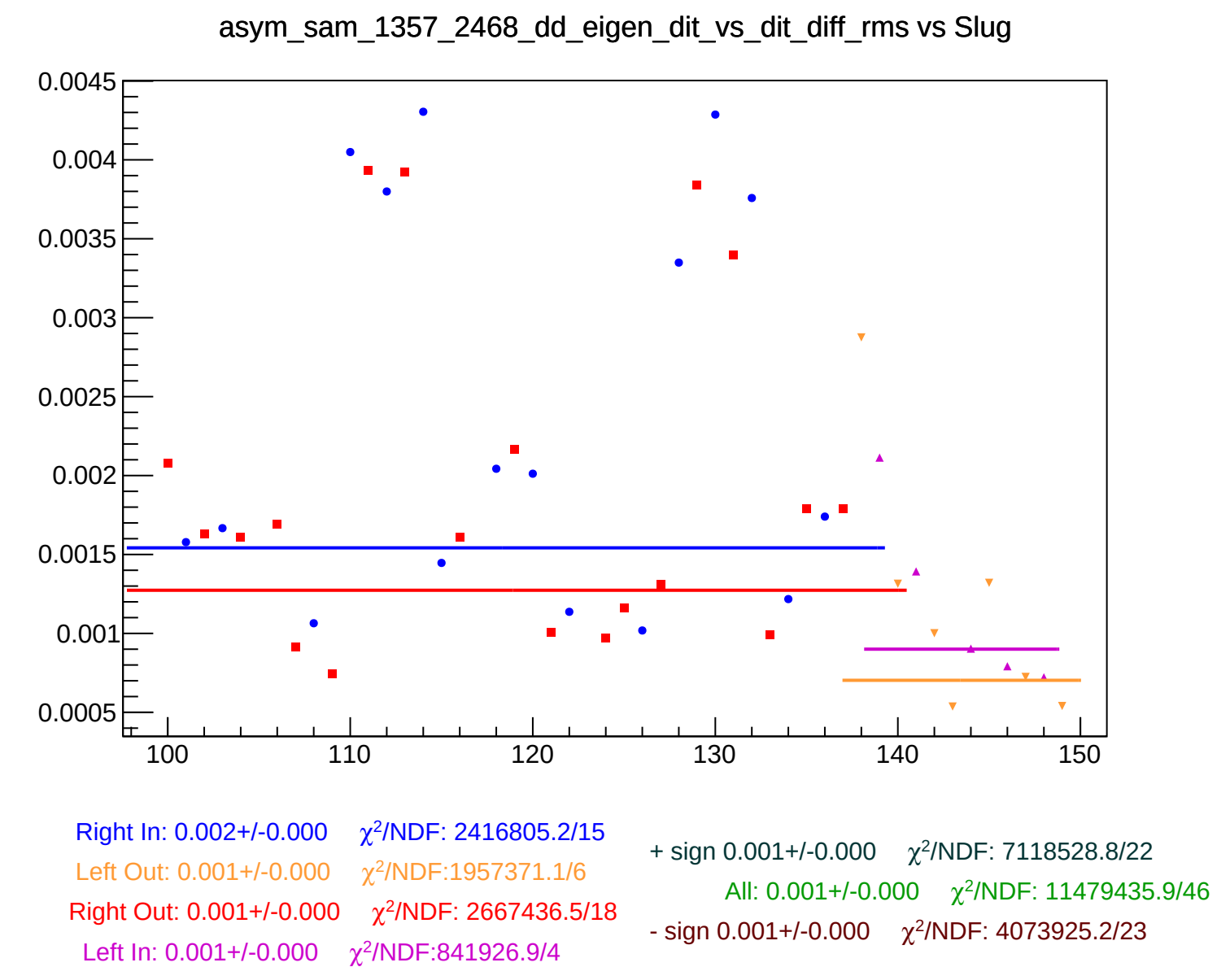
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

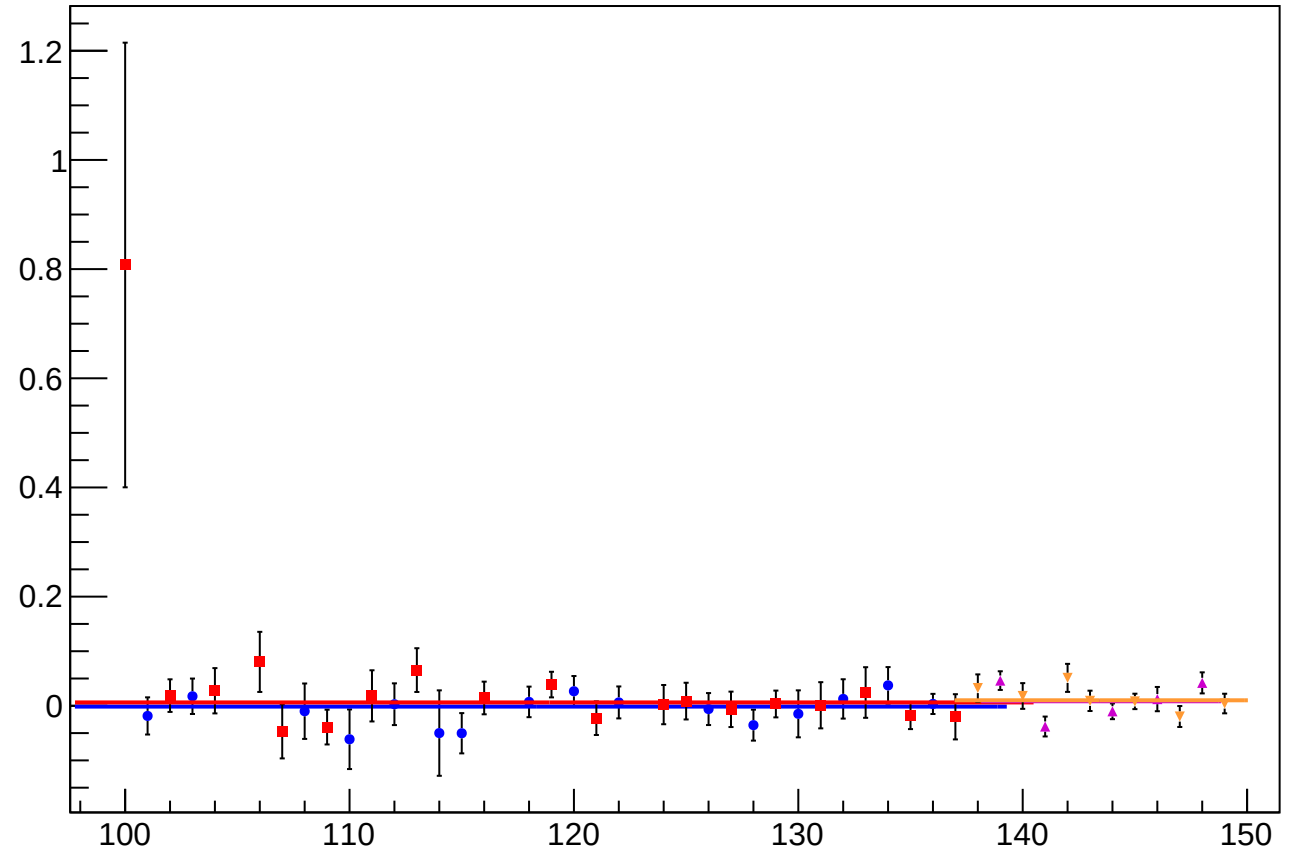
Left In: -0.000+/-0.000 χ^2/NDF:6.0/4

+ sign -0.000+/-0.000 χ^2/NDF: 24.4/22

All: -0.000+/-0.000 χ^2/NDF: 53.7/46

- sign 0.000+/-0.000 χ^2/NDF: 29.0/23


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:1957371.1/6
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: 7118528.8/22
All: 0.001+/-0.000 χ²/NDF: 11479435.9/46
- sign 0.001+/-0.000 χ²/NDF: 4073925.2/23



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.010+/-0.007 χ^2/NDF:6.0/6

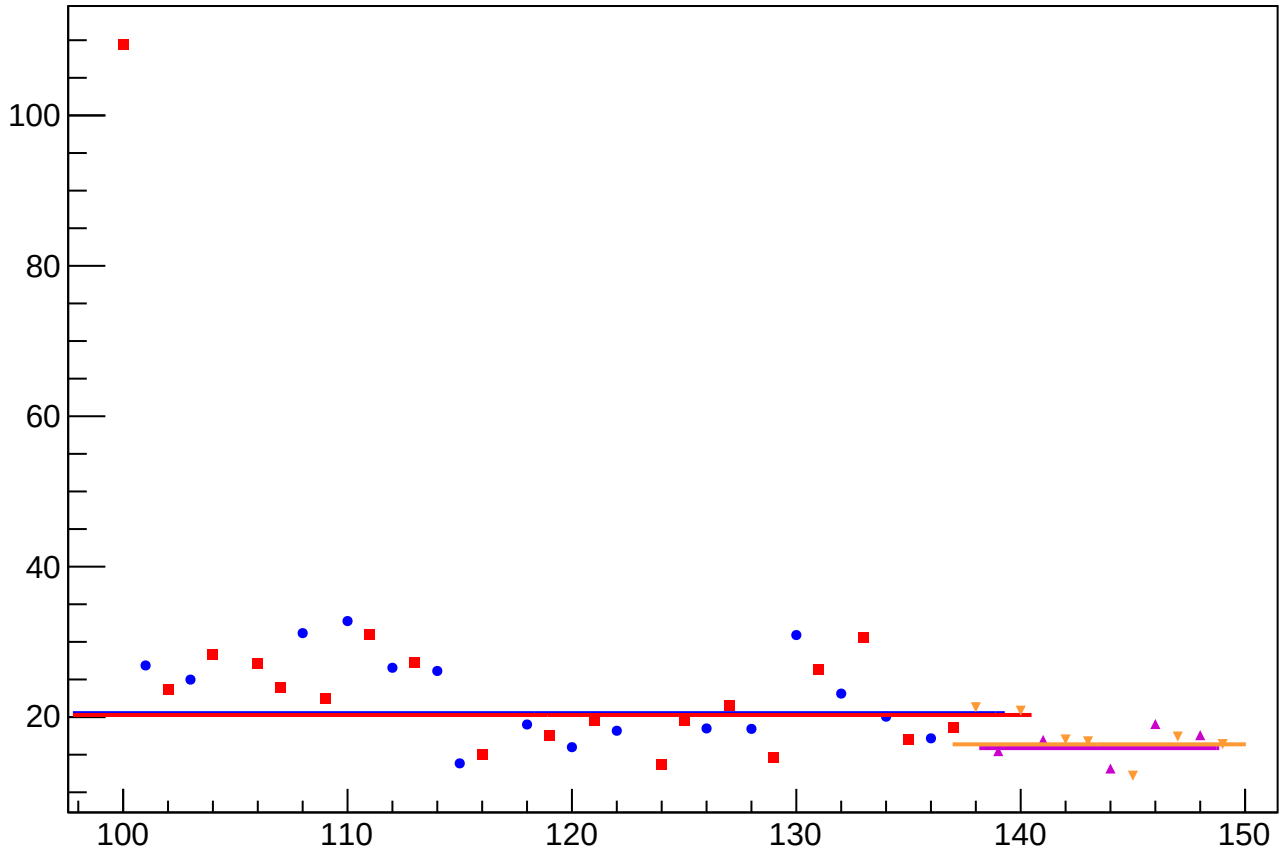
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.008 χ^2/NDF:16.1/4

+ sign 0.005+/-0.005 χ^2/NDF: 15.4/22

All: 0.006+/-0.004 χ^2/NDF: 47.8/46

- 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: 16.376+/-0.005 χ^2/NDF:332200.4/6

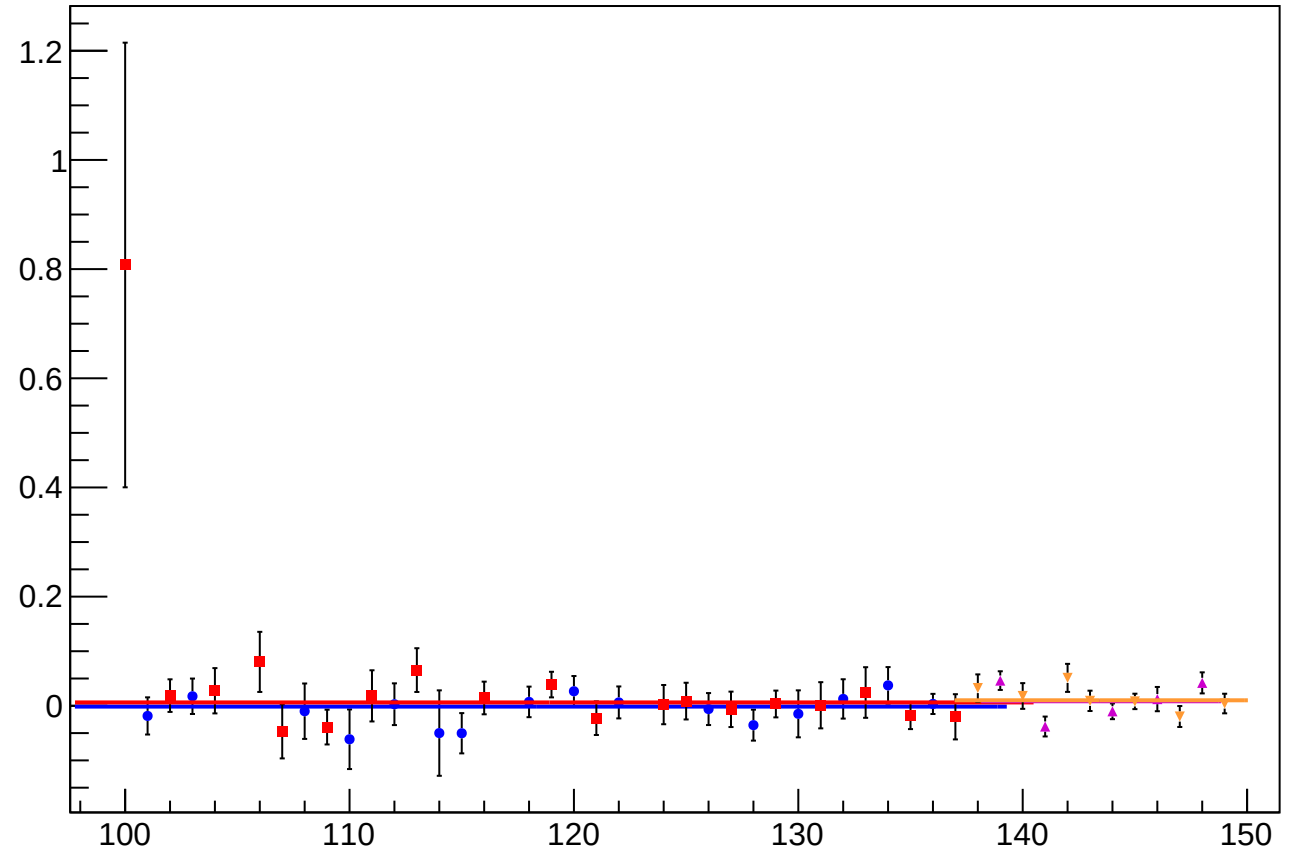
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.874+/-0.006 χ^2/NDF:136620.1/4

+ sign 18.251+/-0.004 χ^2/NDF: 1327697.0/22

All: 18.171+/-0.003 χ^2/NDF: 2640848.6/46

- 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: 0.010+/-0.007 χ^2/NDF:6.0/6

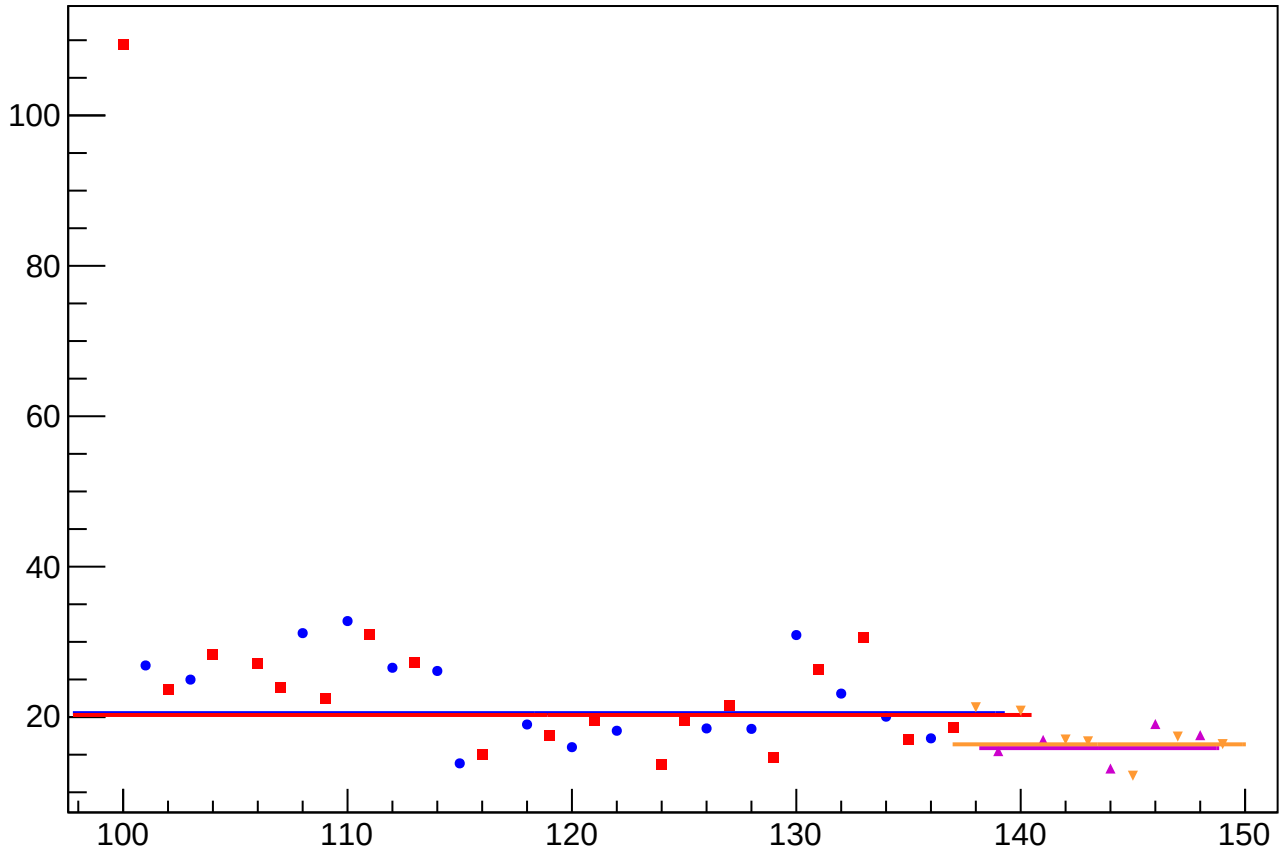
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.008 χ^2/NDF:16.1/4

+ sign 0.005+/-0.005 χ^2/NDF: 15.4/22

All: 0.006+/-0.004 χ^2/NDF: 47.8/46

- 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: 16.376+/-0.005 χ^2/NDF:332200.4/6

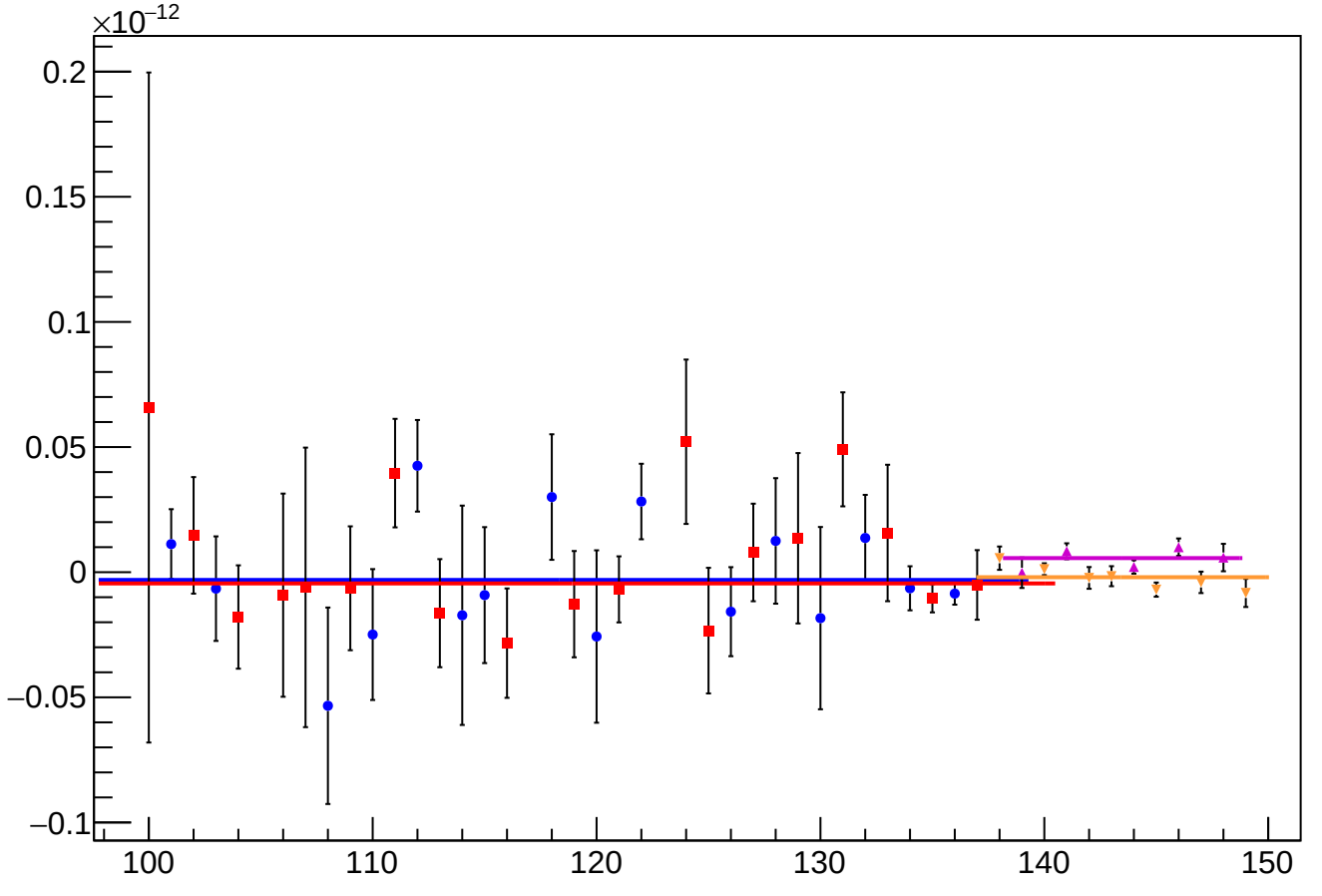
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.874+/-0.006 χ^2/NDF:136620.1/4

+ sign 18.251+/-0.004 χ^2/NDF: 1327697.0/22

All: 18.171+/-0.003 χ^2/NDF: 2640848.6/46

- 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:9.0/6

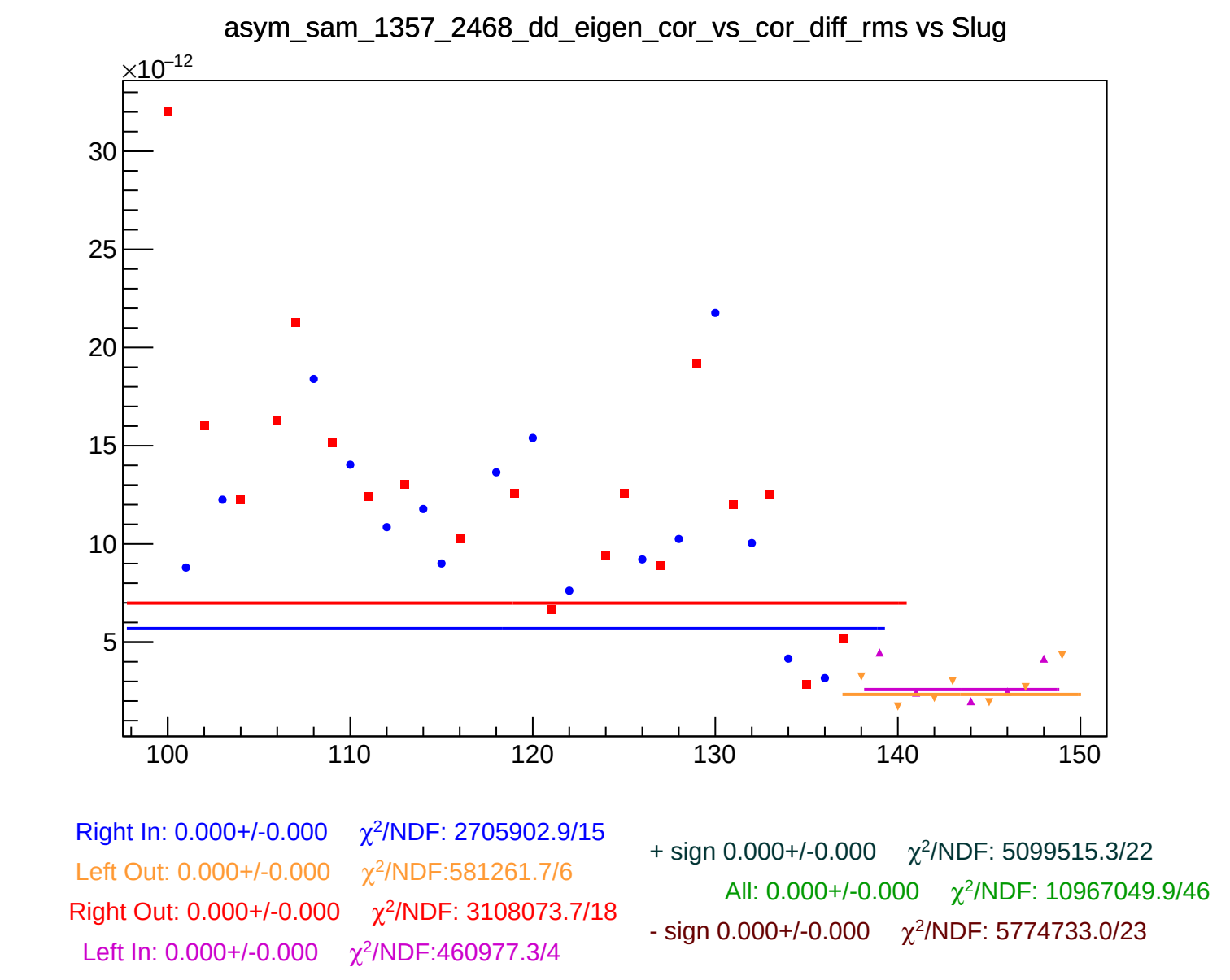
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/4

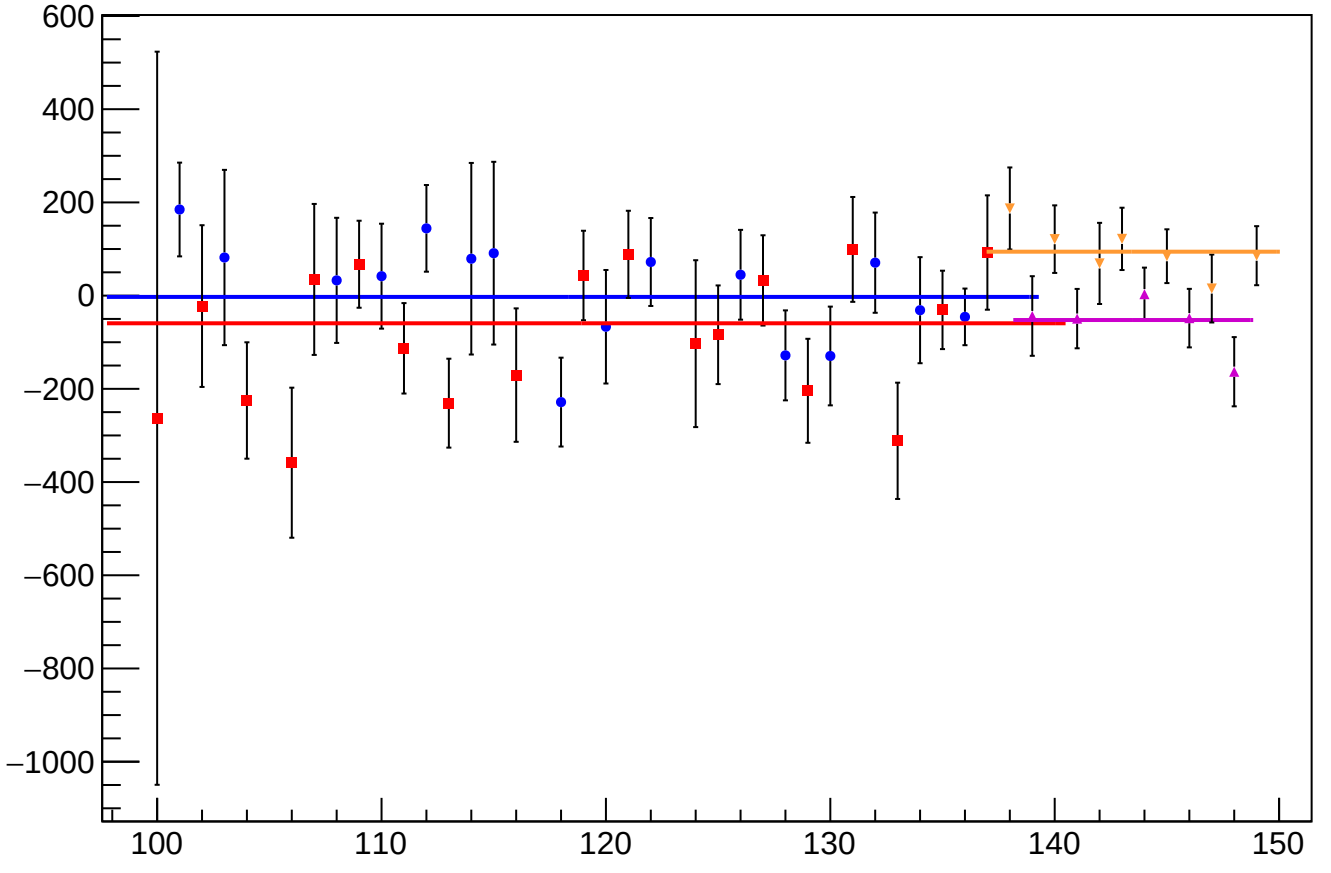
+ sign -0.000+/-0.000 χ^2/NDF: 29.1/22

All: 0.000+/-0.000 χ^2/NDF: 68.9/46

- 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:581261.7/6
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: 5099515.3/22
All: 0.000+/-0.000 χ²/NDF: 10967049.9/46
- 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: 94.278+/-26.602 χ^2/NDF:2.7/6

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

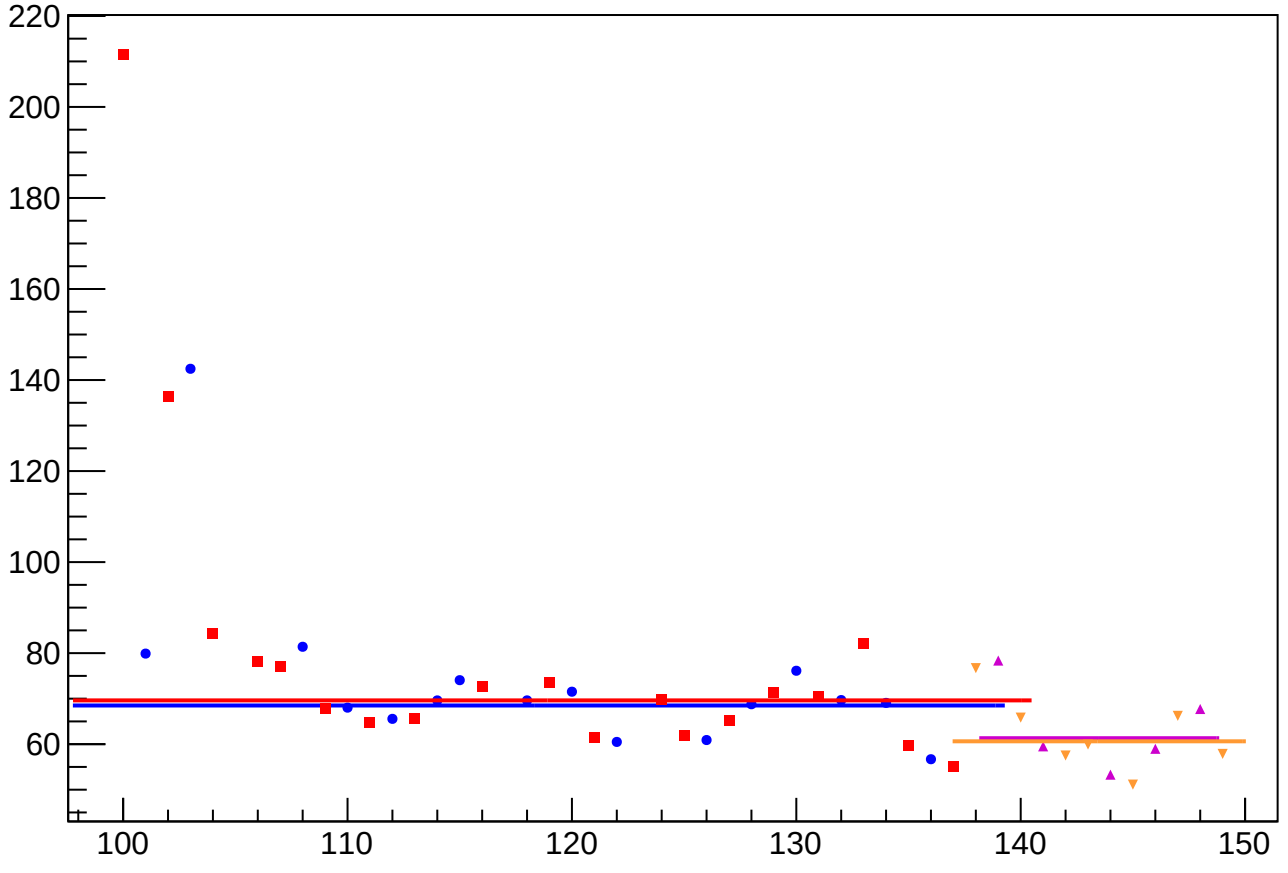
Left In: -52.339+/-29.786 χ^2/NDF:3.2/4

+ sign 45.040+/-18.672 χ^2/NDF: 27.2/22

All: -2.774+/-13.568 χ^2/NDF: 70.0/46

- 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: 60.629+/-0.019 χ^2/NDF:149817.7/6

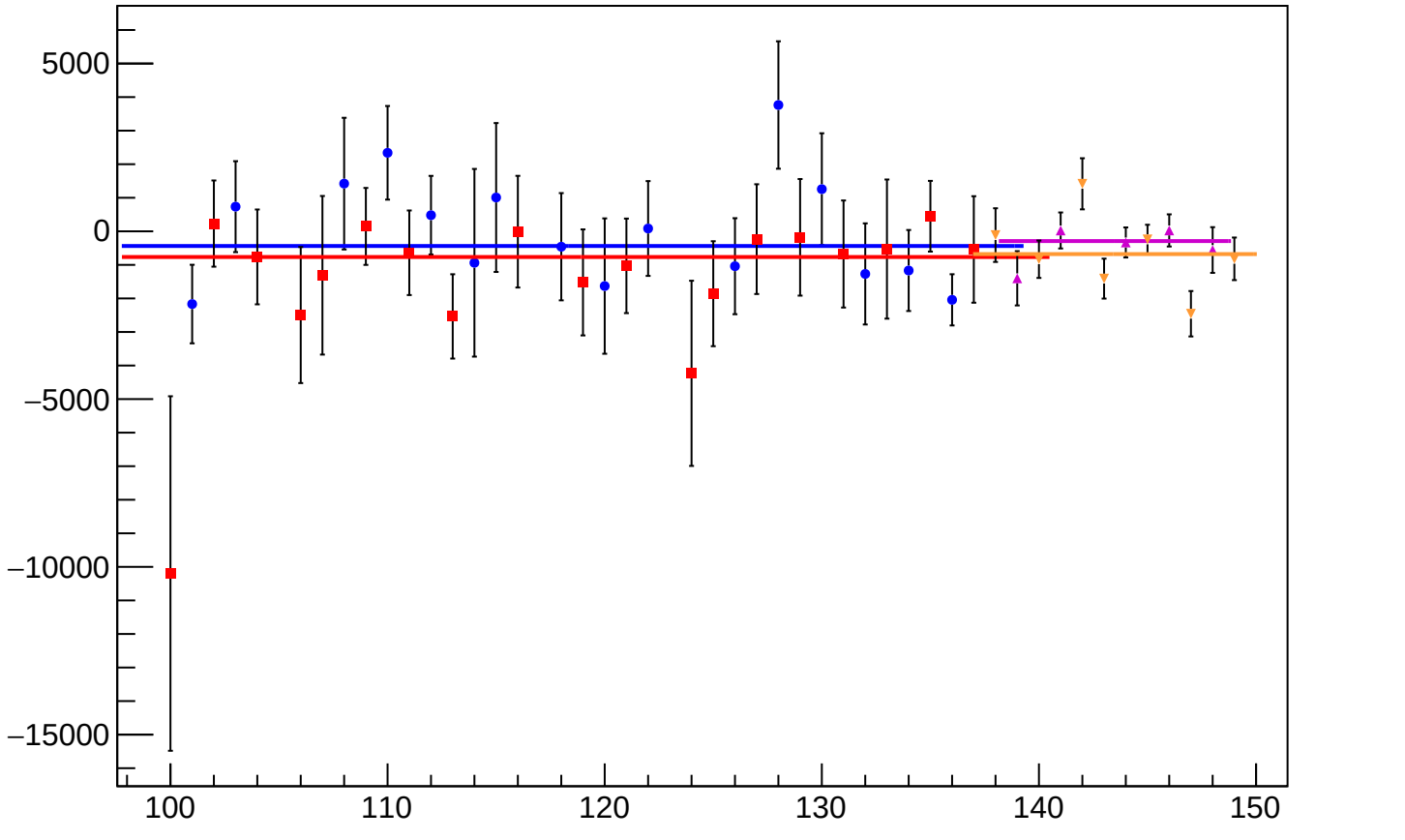
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.311+/-0.021 χ^2/NDF:138645.4/4

+ sign 64.622+/-0.013 χ^2/NDF: 710473.2/22

All: 65.257+/-0.010 χ^2/NDF: 1461631.0/46

- 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: -678.357+/-227.882 χ^2/NDF:17.6/6

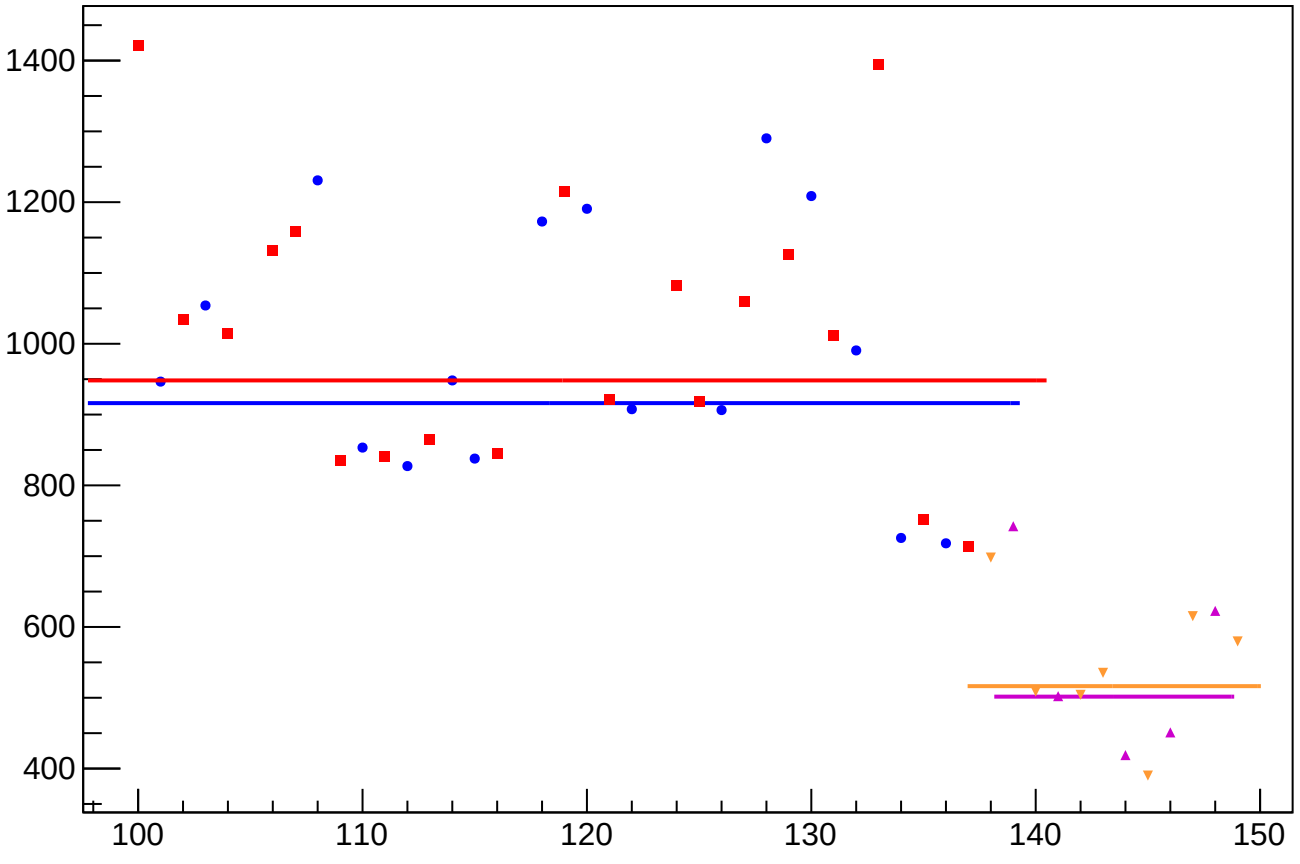
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -290.431+/-246.170 χ^2/NDF:2.8/4

\+ sign -606.311+/-190.788 χ^2/NDF: 38.5/22

All: -530.601+/-138.679 χ^2/NDF: 54.2/46

\- 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: 516.406+/-0.161 χ^2/NDF:336147.5/6

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

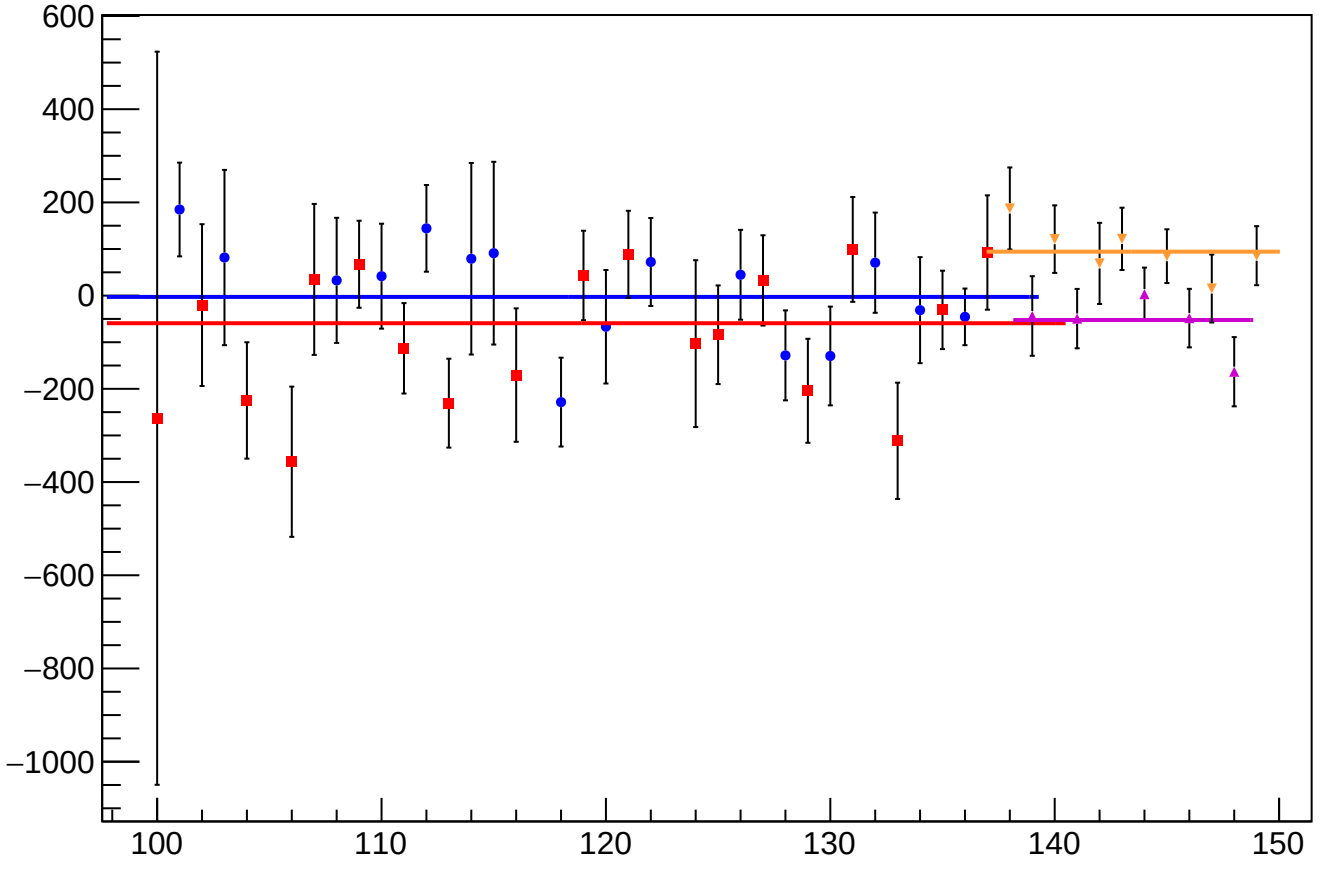
Left In: 501.587+/-0.174 χ^2/NDF:330544.9/4

\+ sign 635.958+/-0.135 χ^2/NDF: 2685922.3/22

All: 641.496+/-0.098 χ^2/NDF: 5589075.2/46

\- sign 647.700+/-0.143 χ^2/NDF: 2899579.7/23

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 94.287+/-26.602 χ^2/NDF:2.7/6

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

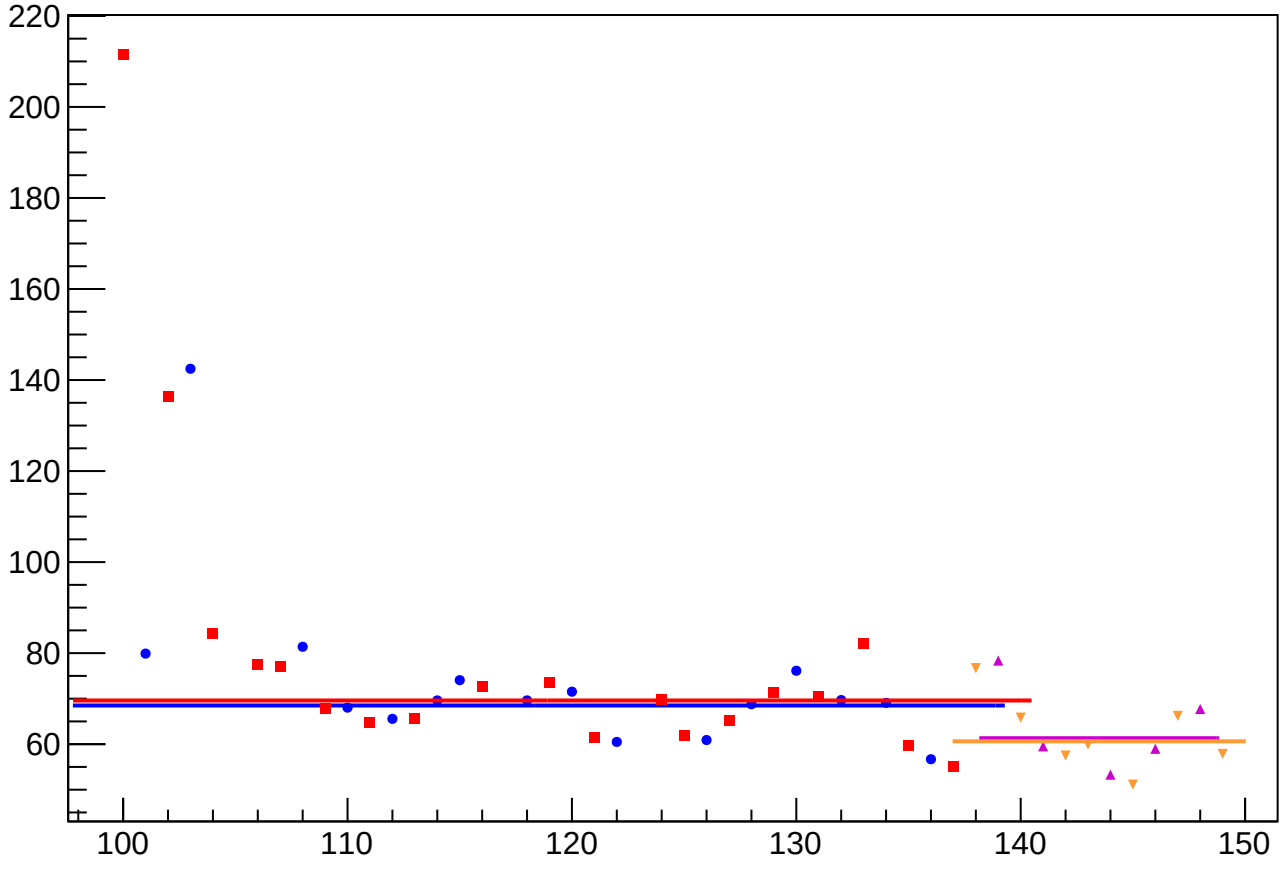
Left In: -52.344+/-29.786 χ^2/NDF:3.2/4

\+ sign 45.041+/-18.672 χ^2/NDF: 27.2/22

All: -2.741+/-13.568 χ^2/NDF: 69.9/46

\- 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: 60.629+/-0.019 χ^2/NDF:149817.6/6

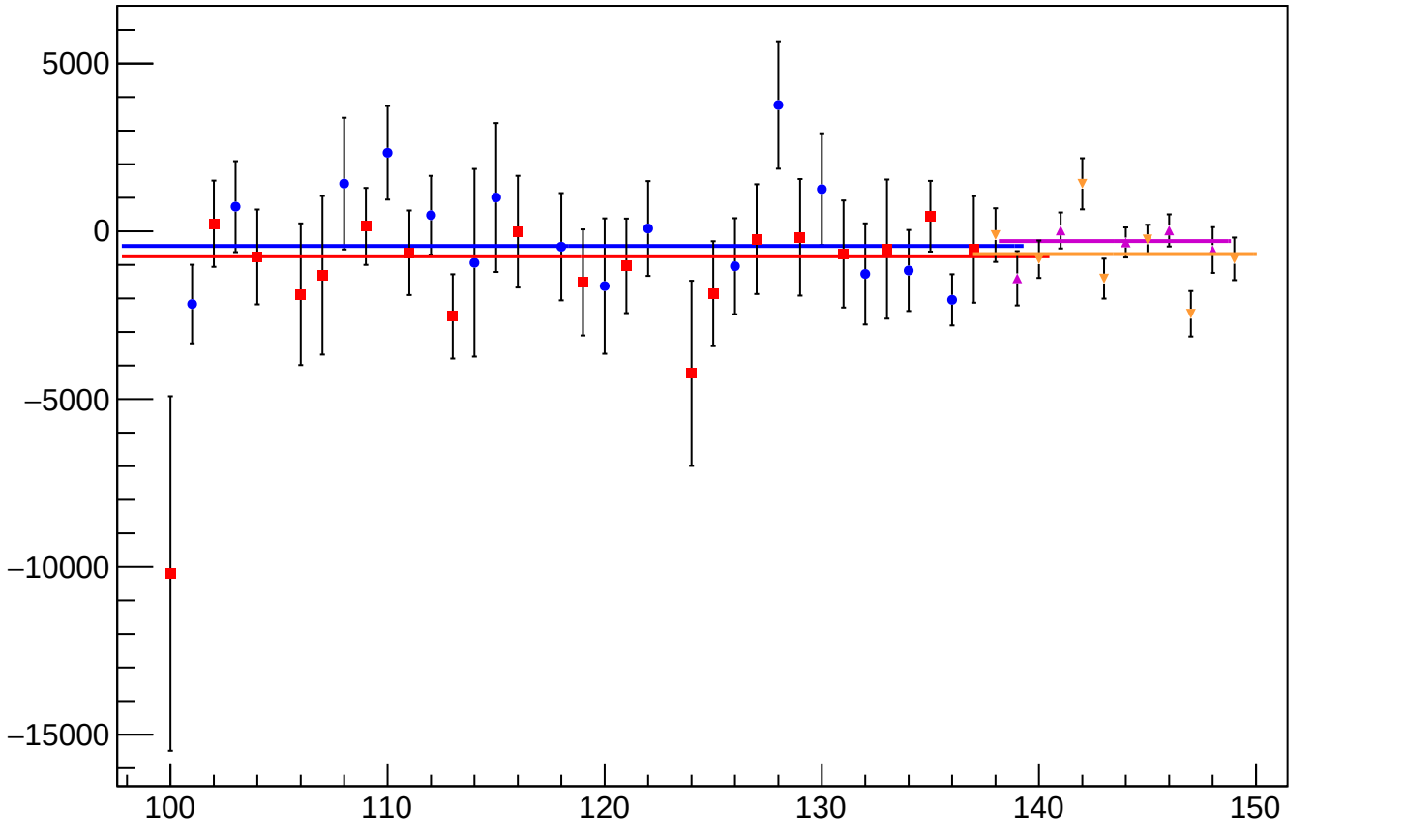
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.311+/-0.021 χ^2/NDF:138645.4/4

+ sign 64.622+/-0.013 χ^2/NDF: 710476.2/22

All: 65.252+/-0.010 χ^2/NDF: 1460532.7/46

- 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: -678.349+/-227.881 χ^2/NDF:17.6/6

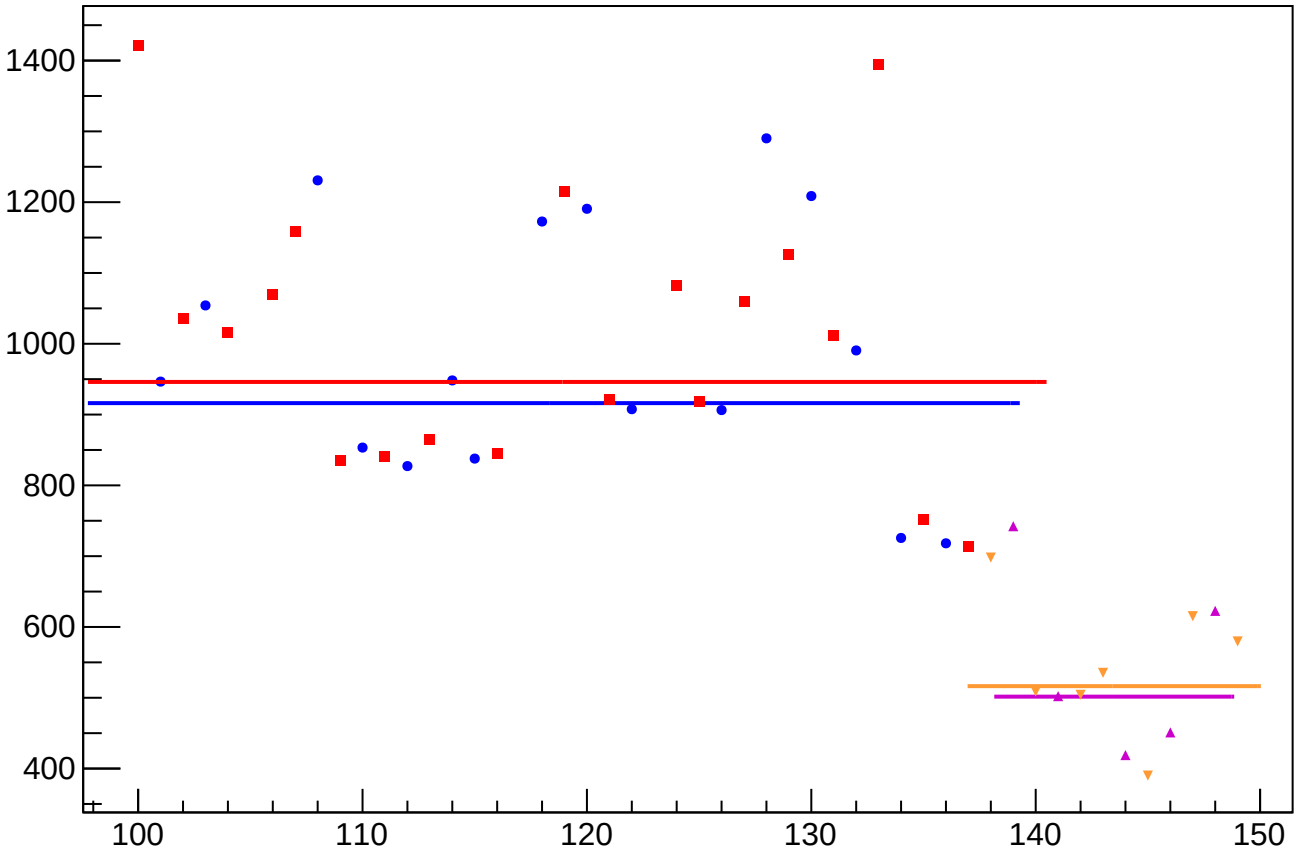
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -290.437+/-246.170 χ^2/NDF:2.8/4

\+ sign -606.297+/-190.788 χ^2/NDF: 38.5/22

All: -527.280+/-138.706 χ^2/NDF: 53.7/46

\- 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: 516.406+/-0.161 χ^2/NDF:336148.7/6

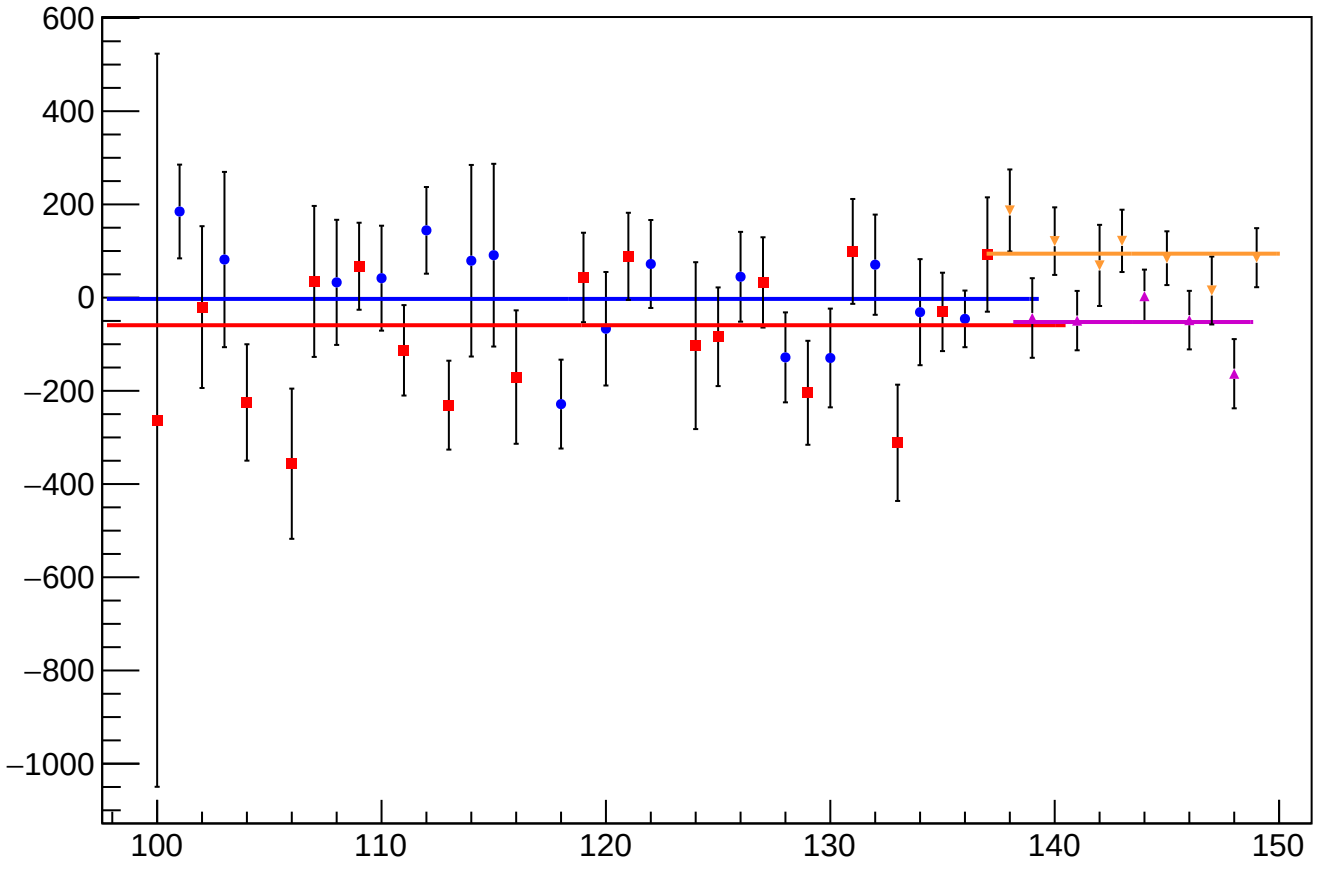
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 501.587+/-0.174 χ^2/NDF:330543.7/4

+ sign 635.958+/-0.135 χ^2/NDF: 2685971.8/22

All: 641.049+/-0.098 χ^2/NDF: 5554632.0/46

- 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: 94.287+/-26.602 χ^2/NDF:2.7/6

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

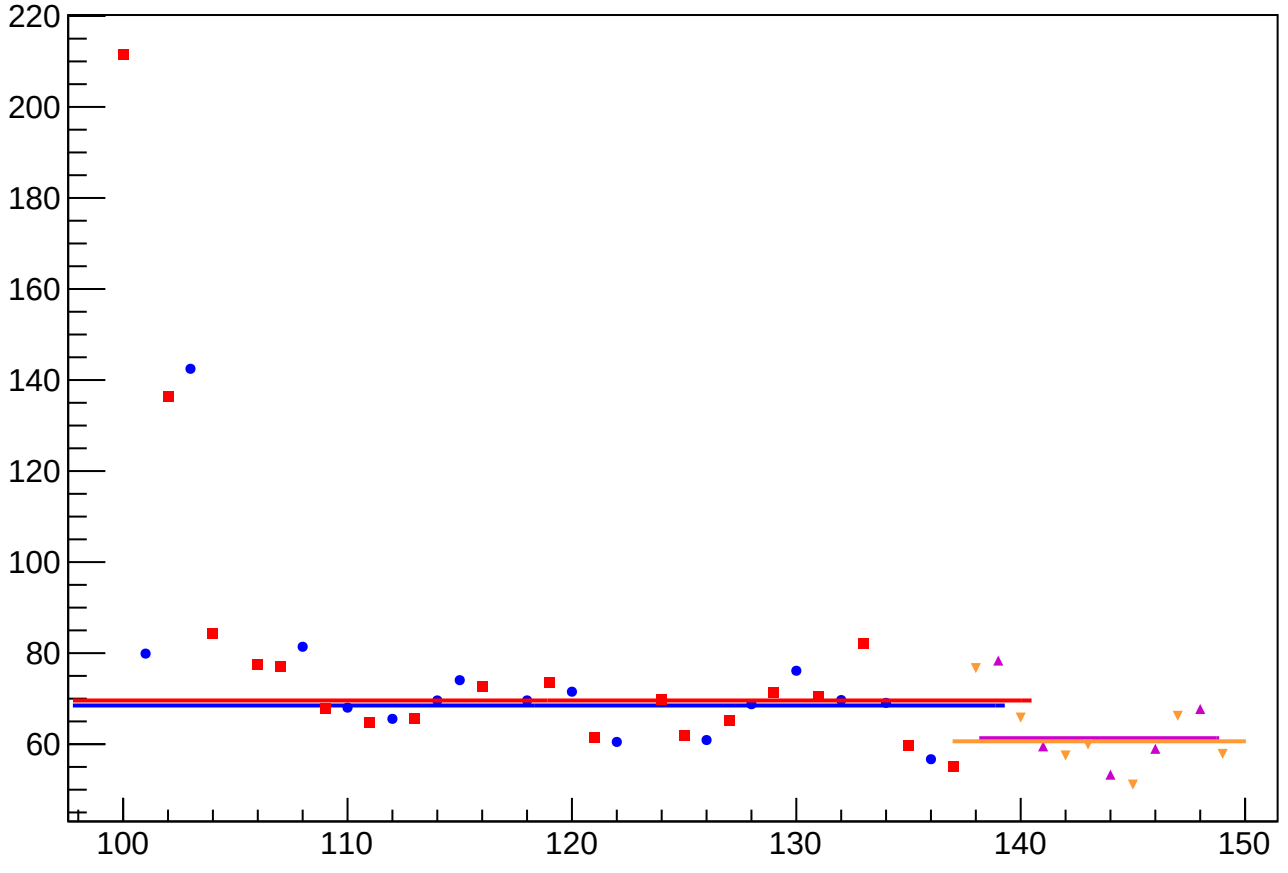
Left In: -52.344+/-29.786 χ^2/NDF:3.2/4

+ sign 45.041+/-18.672 χ^2/NDF: 27.2/22

All: -2.741+/-13.568 χ^2/NDF: 69.9/46

- 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: 60.629+/-0.019 χ^2/NDF:149817.6/6

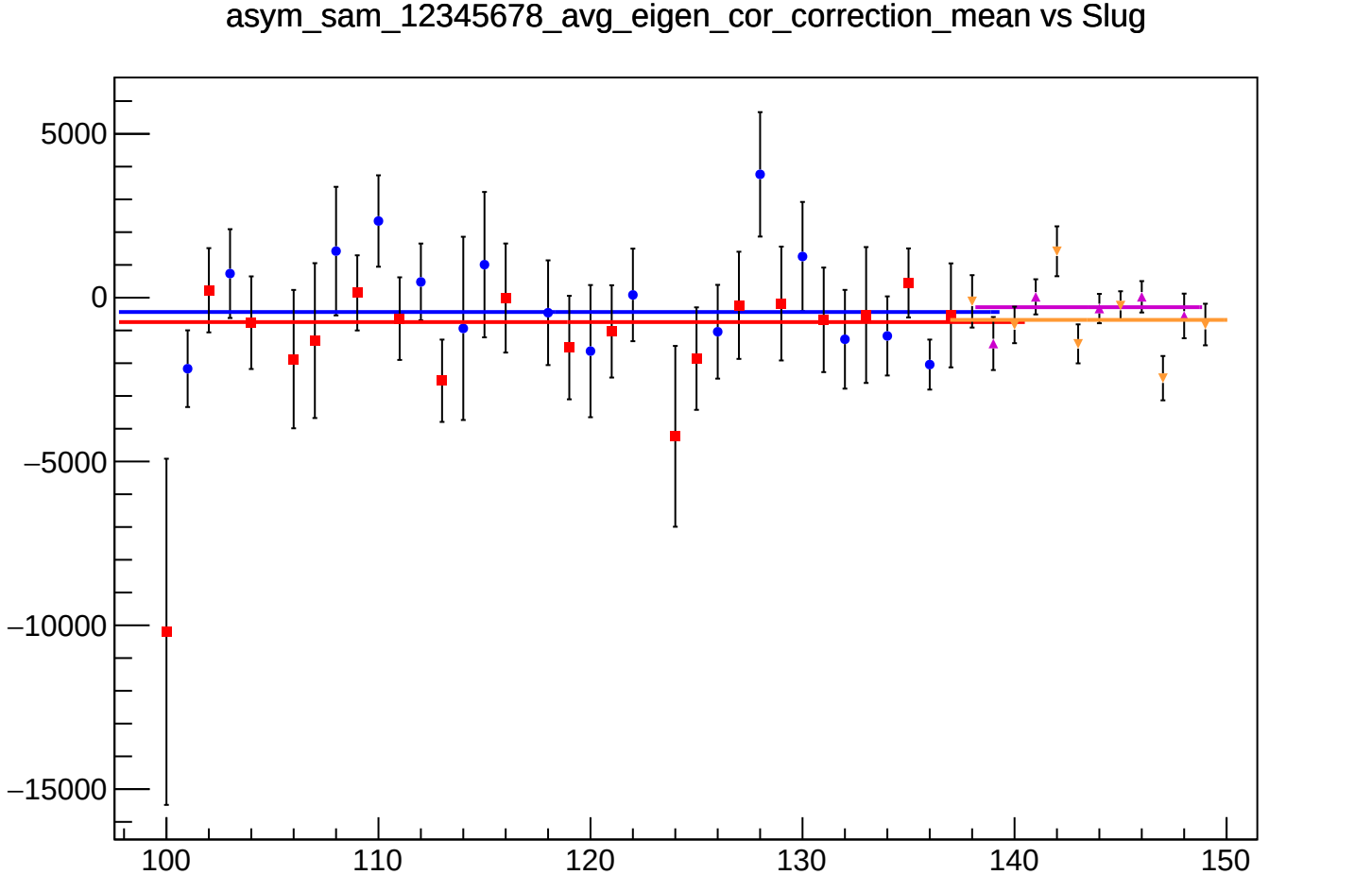
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.311+/-0.021 χ^2/NDF:138645.4/4

+ sign 64.622+/-0.013 χ^2/NDF: 710476.2/22

All: 65.252+/-0.010 χ^2/NDF: 1460532.7/46

- 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: -678.349+/-227.881 χ^2/NDF:17.6/6

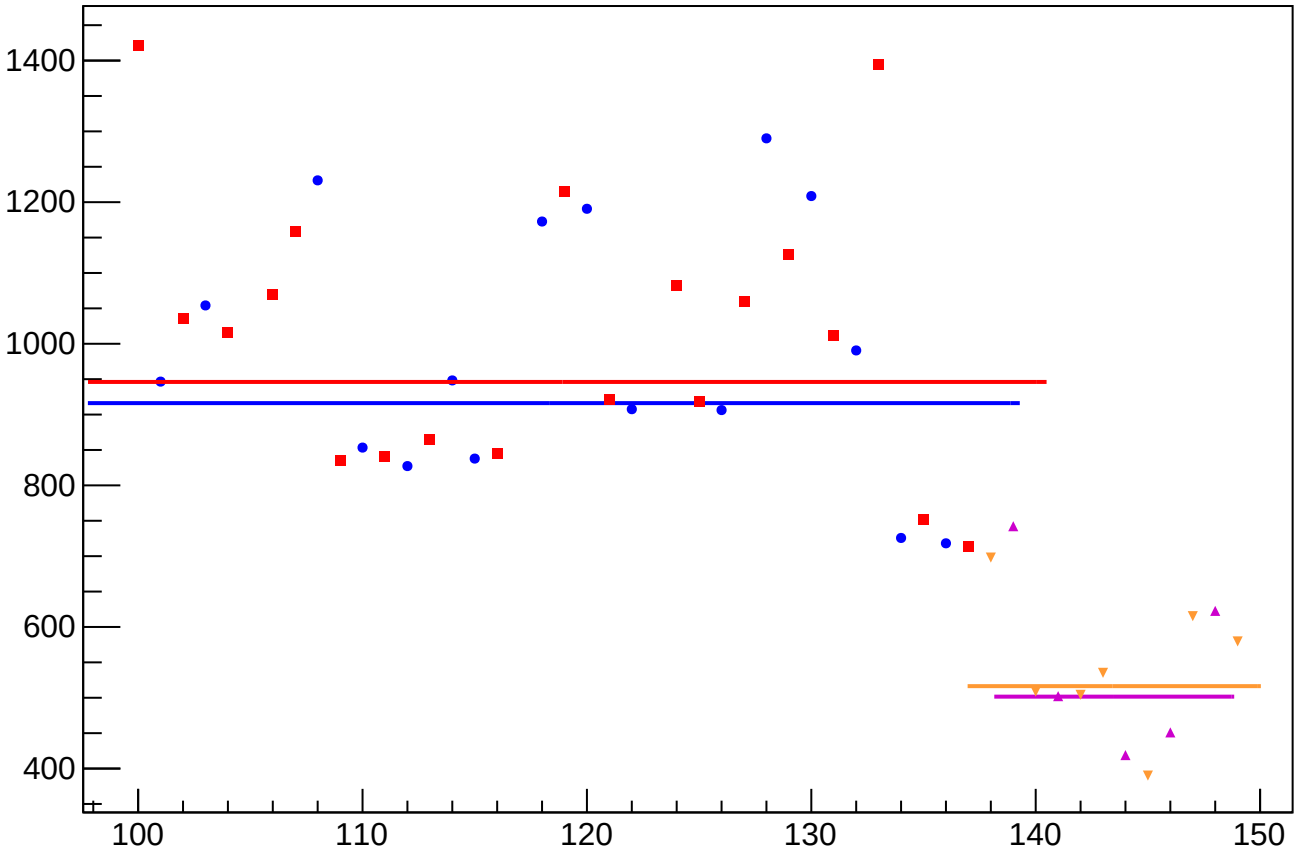
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -290.437+/-246.170 χ^2/NDF:2.8/4

\+ sign -606.297+/-190.788 χ^2/NDF: 38.5/22

All: -527.280+/-138.706 χ^2/NDF: 53.7/46

\- 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: 516.406+/-0.161 χ^2/NDF:336148.7/6

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

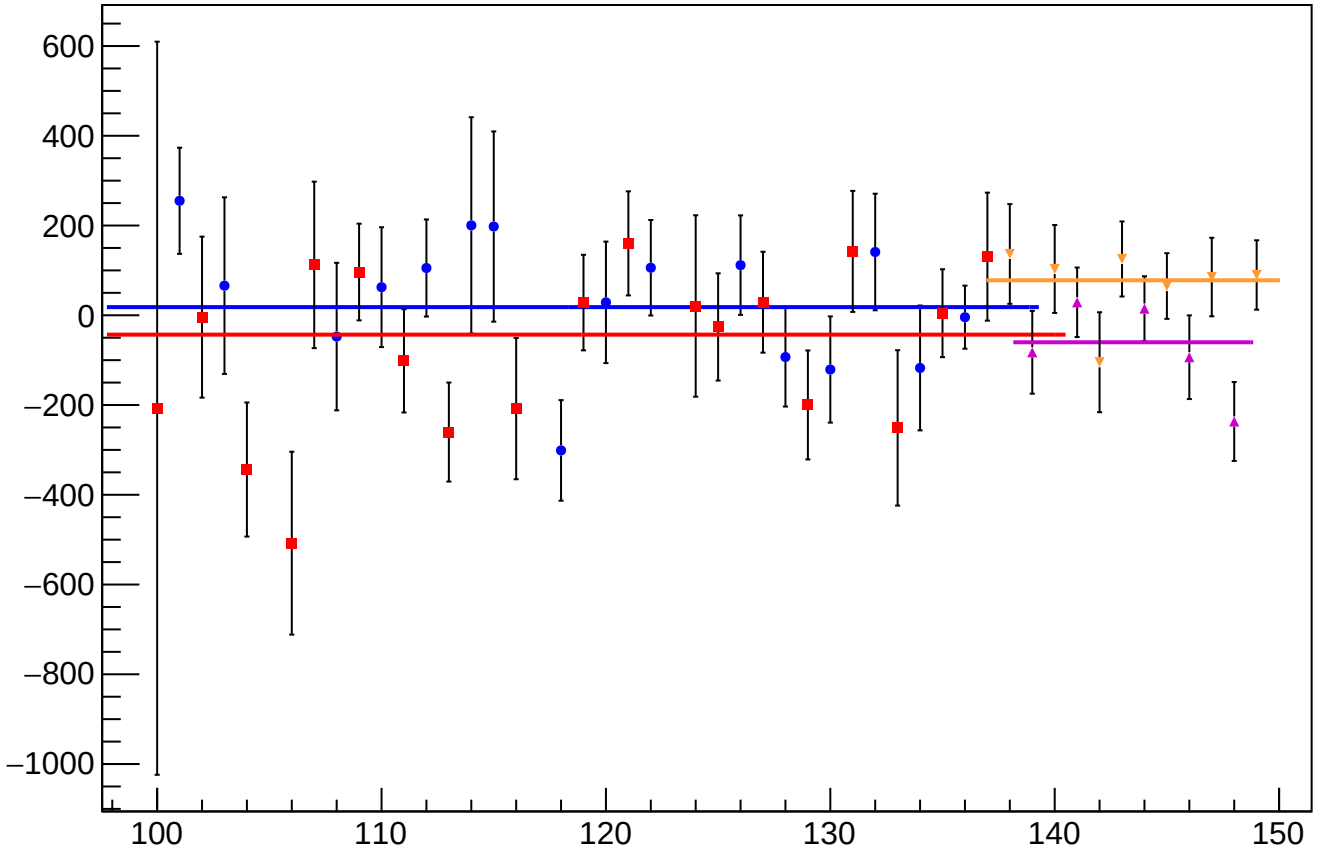
Left In: 501.587+/-0.174 χ^2/NDF:330543.7/4

+ sign 635.958+/-0.135 χ^2/NDF: 2685971.8/22

All: 641.049+/-0.098 χ^2/NDF: 5554632.0/46

- 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: 77.962+/-33.447 χ^2/NDF:3.4/6

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

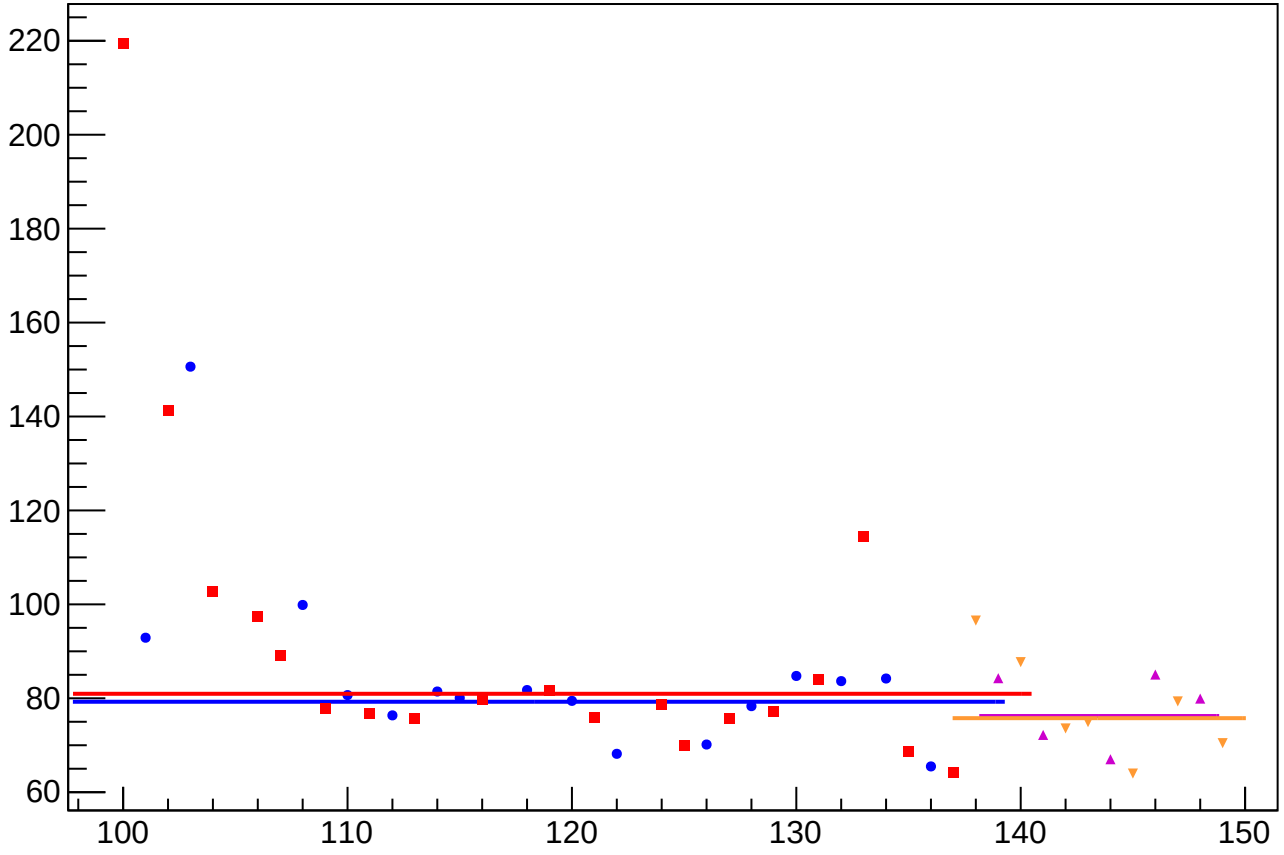
Left In: -60.167+/-37.236 χ^2/NDF:6.6/4

+ sign 45.170+/-22.474 χ^2/NDF: 25.3/22

All: 0.074+/-16.305 χ^2/NDF: 68.3/46

- 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: 75.767+/-0.024 χ^2/NDF:165343.9/6

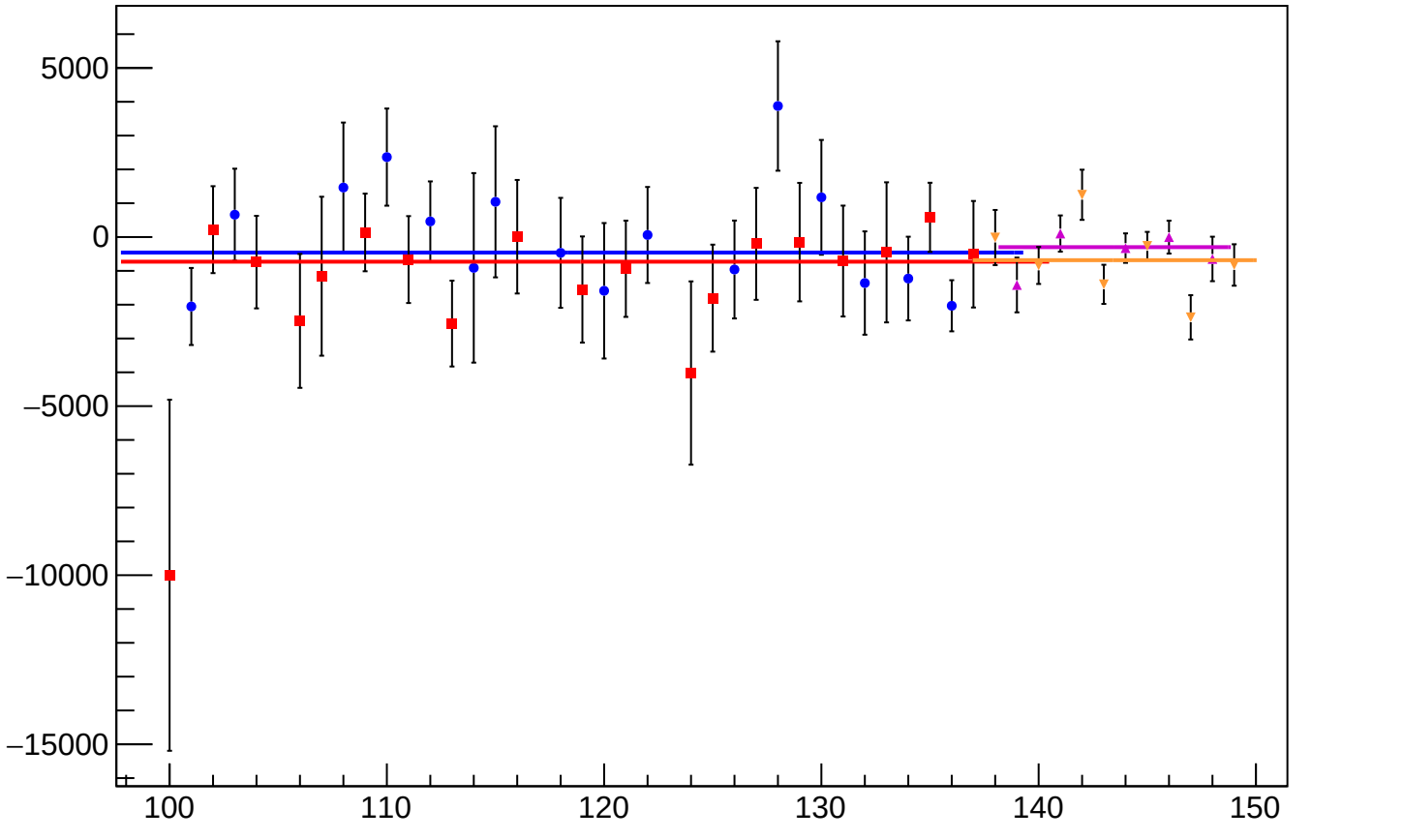
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 76.225+/-0.026 χ^2/NDF:74754.0/4

+ sign 77.684+/-0.016 χ^2/NDF: 622283.5/22

All: 78.328+/-0.012 χ^2/NDF: 1233912.3/46

- 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: -684.046+/-221.200 χ^2/NDF:16.8/6

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

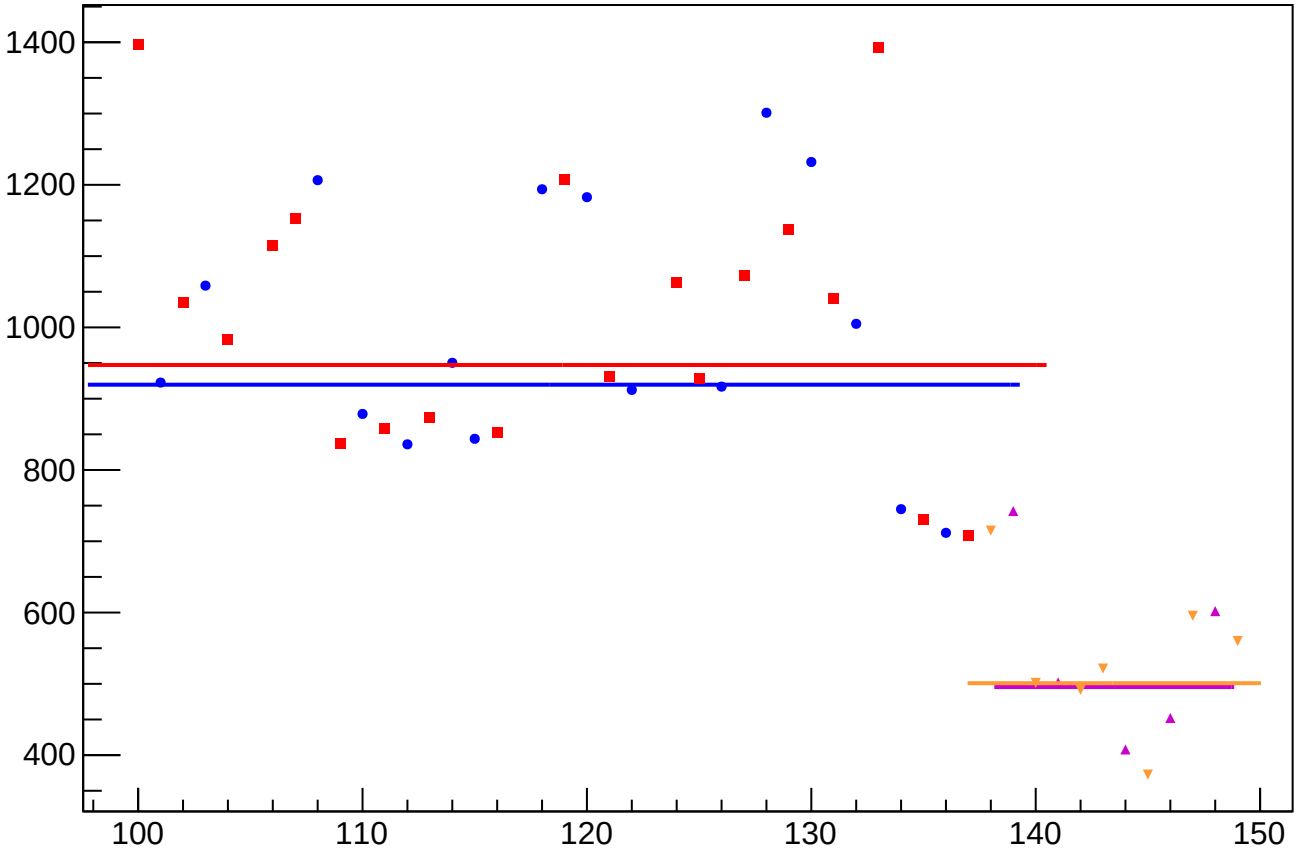
Left In: -298.780+/-243.742 χ^2/NDF:3.1/4

\+ sign -619.578+/-186.998 χ^2/NDF: 37.4/22

All: -535.023+/-136.751 χ^2/NDF: 53.5/46

\- 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: 500.914+/-0.156 χ^2/NDF:391577.8/6

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

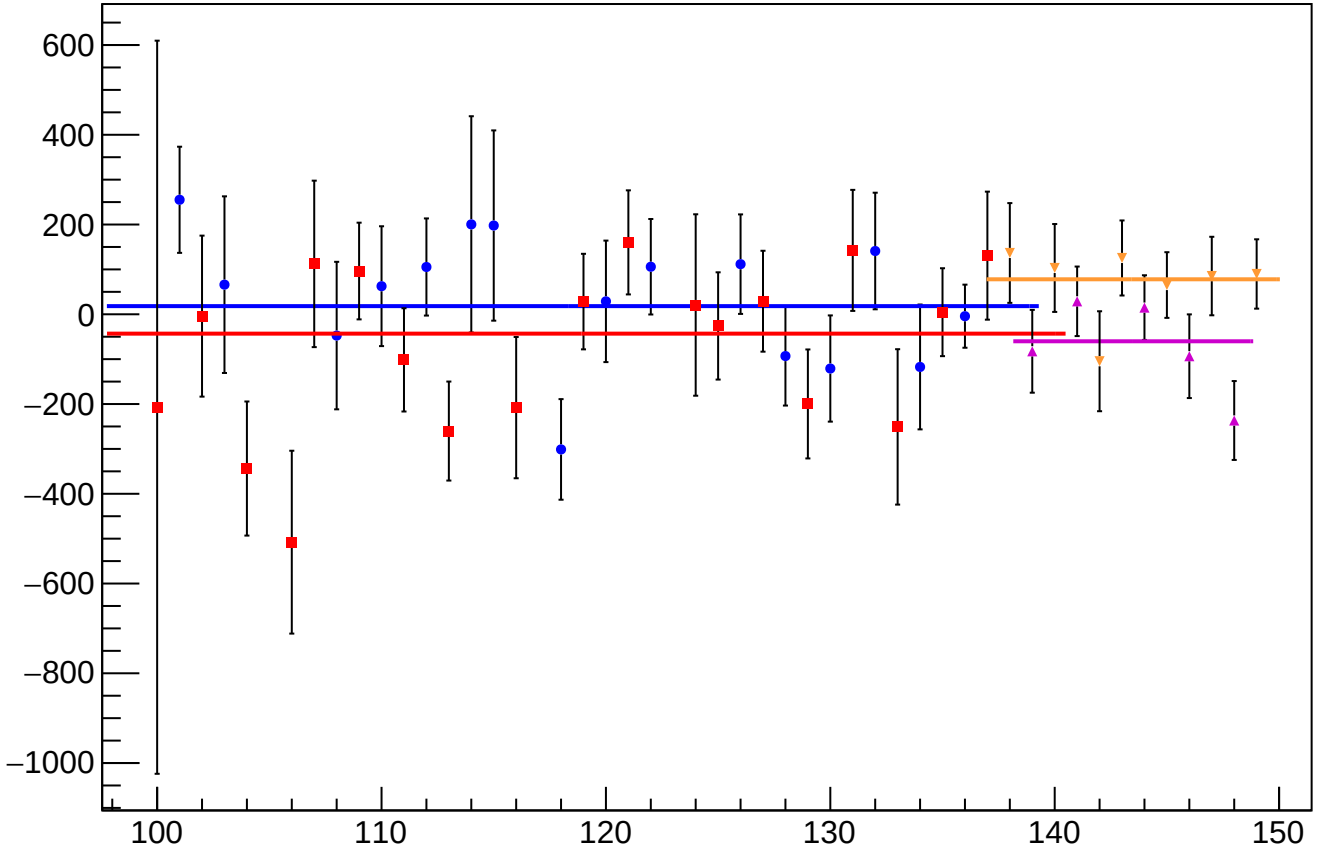
Left In: 495.531+/-0.172 χ^2/NDF:335478.4/4

+ sign 620.390+/-0.132 χ^2/NDF: 2951897.5/22

All: 630.264+/-0.097 χ^2/NDF: 5946472.3/46

- 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: 77.961+/-33.447 χ^2/NDF:3.4/6

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

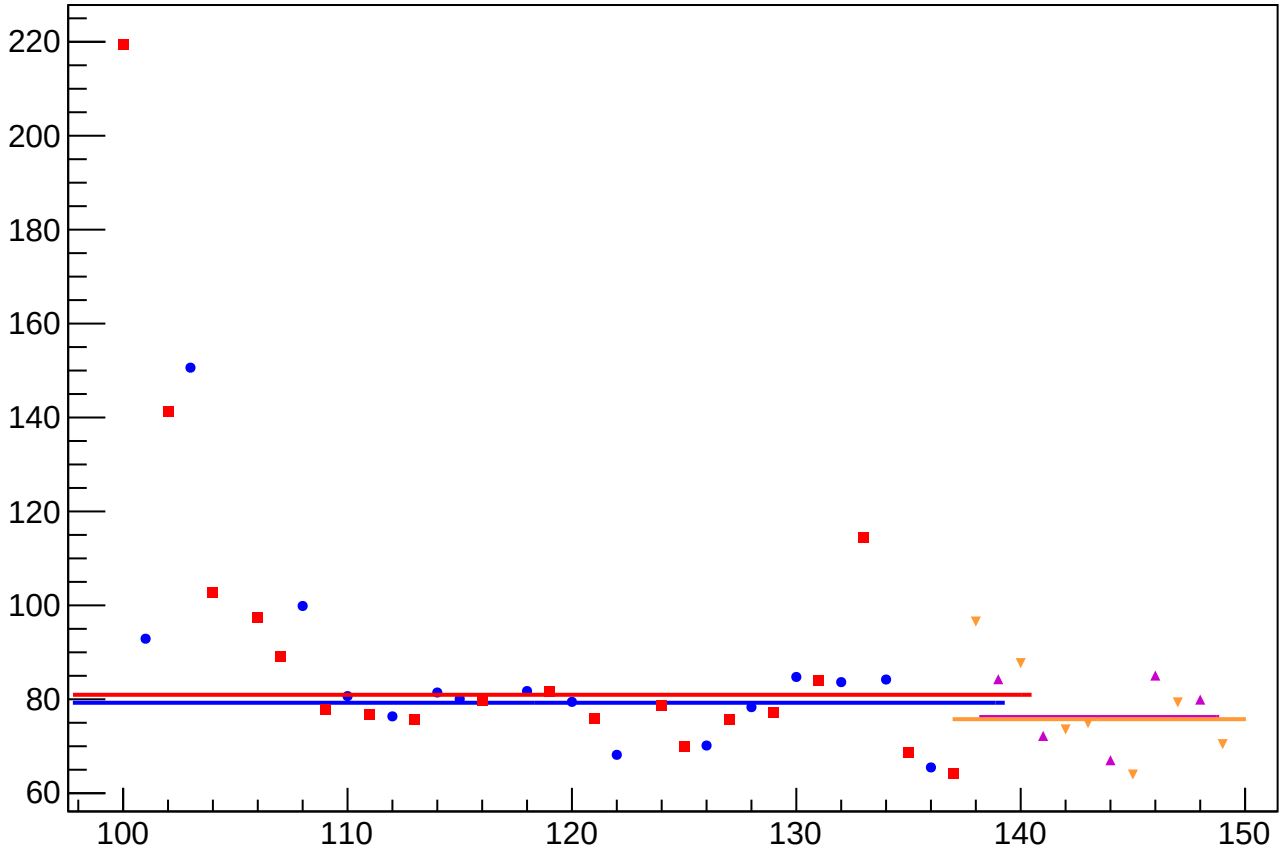
Left In: -60.167+/-37.237 χ^2/NDF:6.6/4

+ sign 45.169+/-22.474 χ^2/NDF: 25.3/22

All: 0.074+/-16.305 χ^2/NDF: 68.3/46

- 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: 75.767+/-0.024 χ^2/NDF:165335.8/6

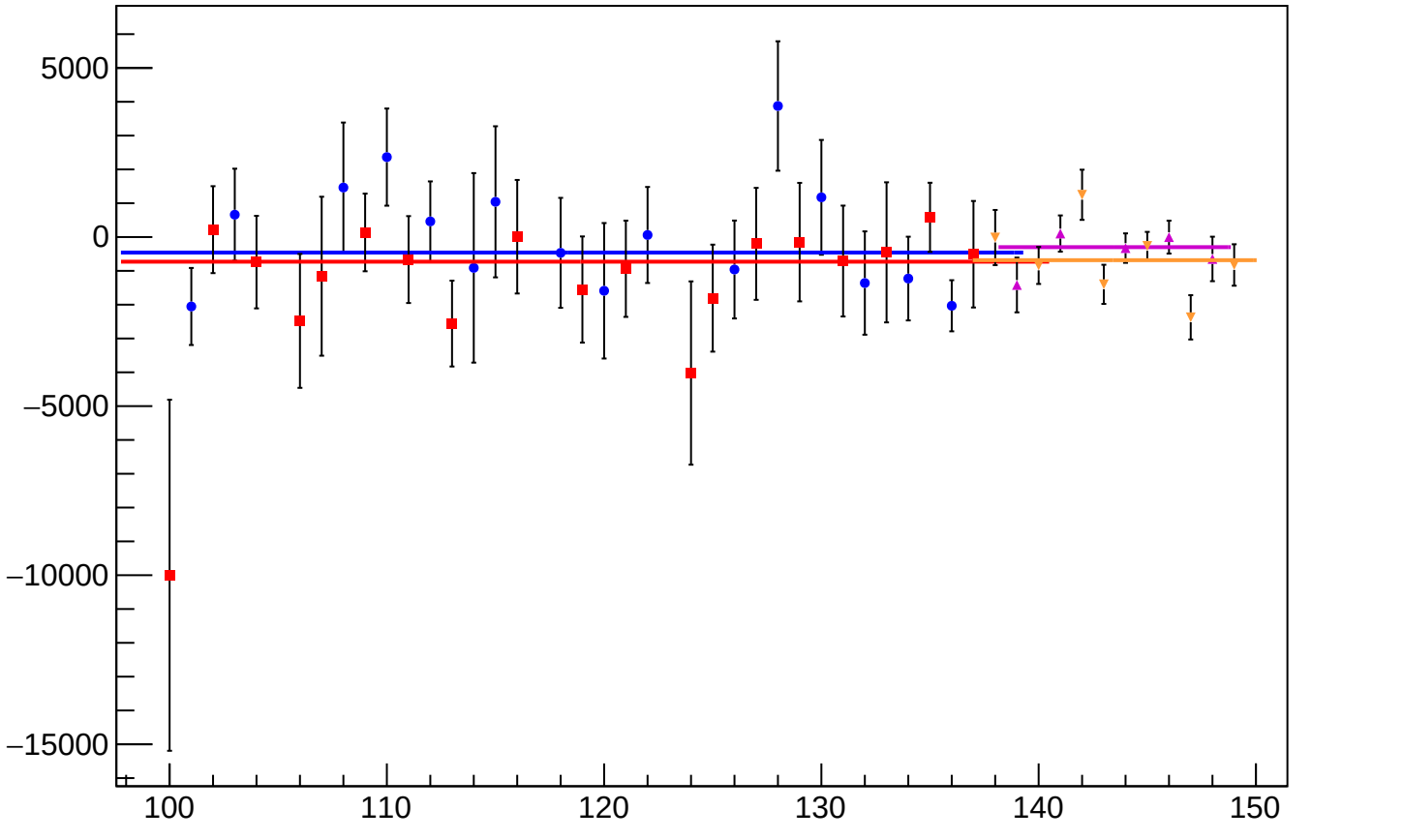
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 76.226+/-0.026 χ^2/NDF:74752.7/4

+ sign 77.684+/-0.016 χ^2/NDF: 622268.4/22

All: 78.328+/-0.012 χ^2/NDF: 1233900.1/46

- 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: -684.047+/-221.200 χ^2/NDF:16.8/6

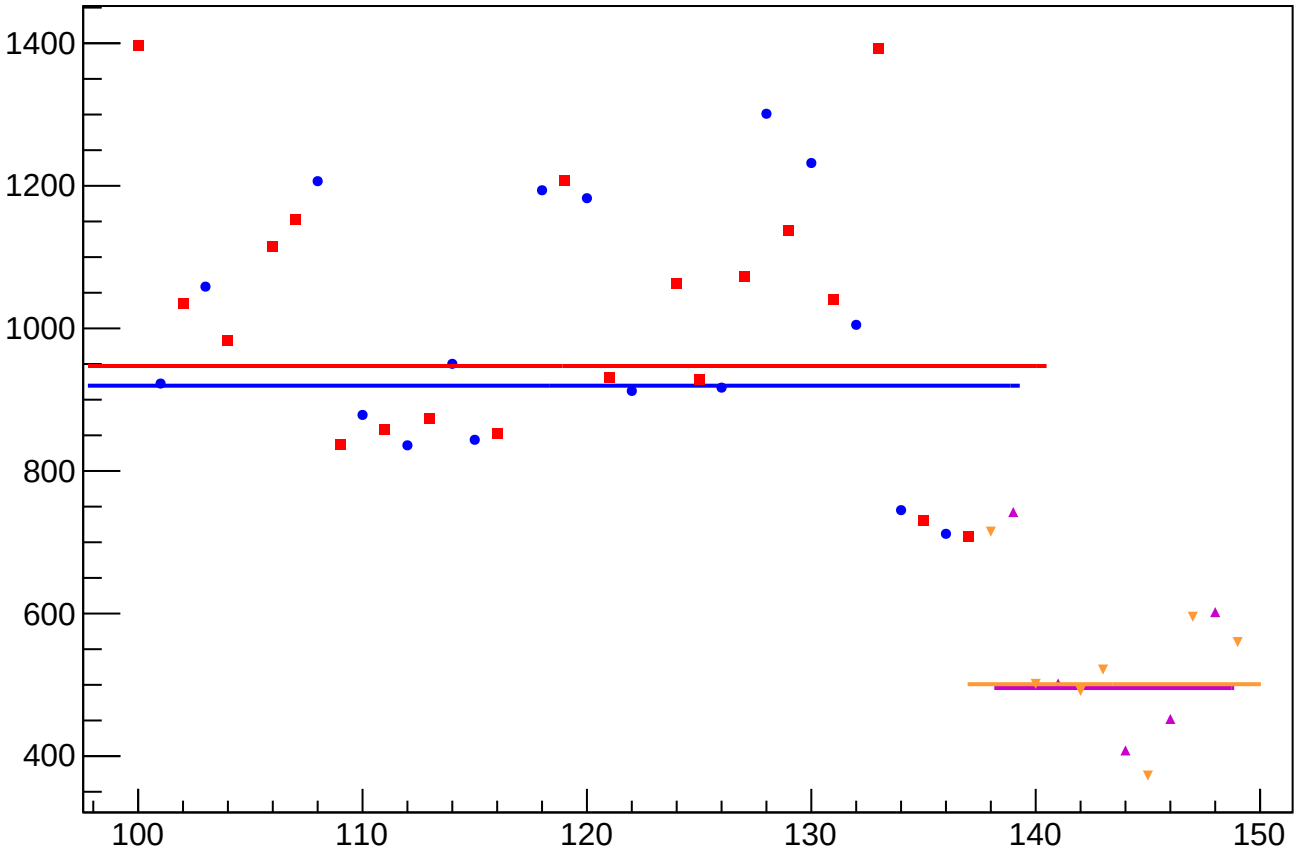
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -298.780+/-243.742 χ^2/NDF:3.1/4

+ sign -619.578+/-186.998 χ^2/NDF: 37.4/22

All: -535.023+/-136.750 χ^2/NDF: 53.5/46

- 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: 500.913+/-0.156 χ^2/NDF:391580.5/6

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

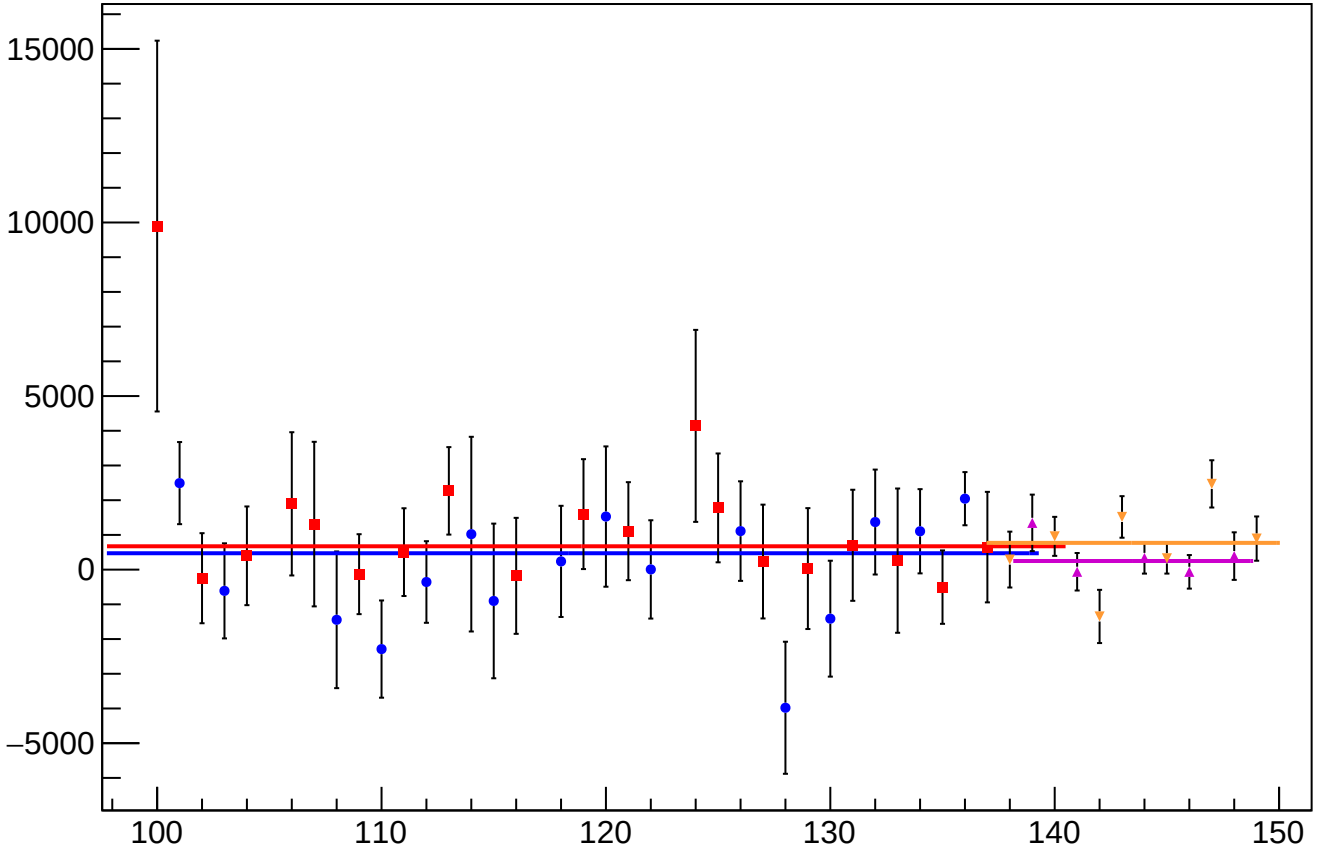
Left In: 495.531+/-0.172 χ^2/NDF:335478.1/4

+ sign 620.389+/-0.132 χ^2/NDF: 2951897.9/22

All: 630.263+/-0.097 χ^2/NDF: 5946465.9/46

- 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: 770.861+/-229.539 χ^2/NDF:17.0/6

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

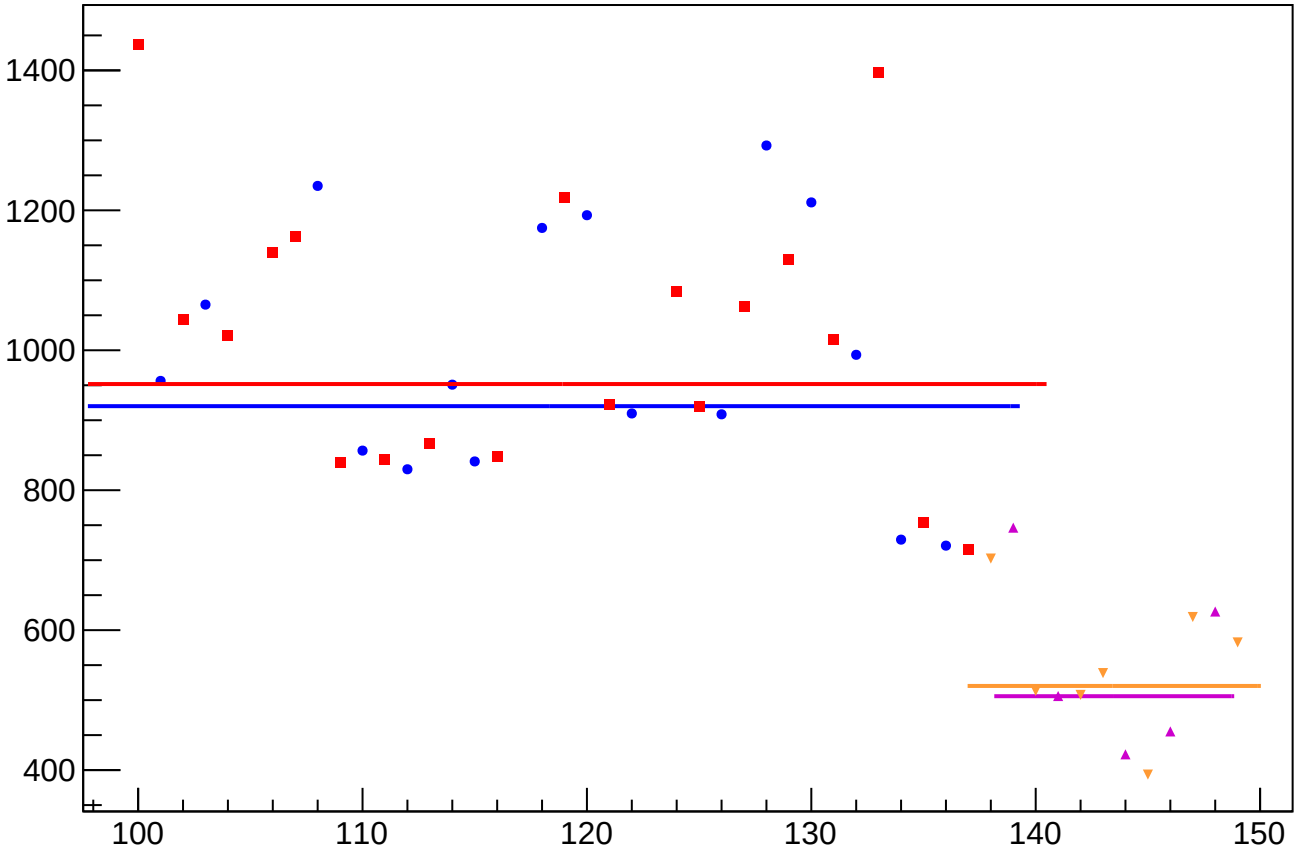
Left In: 248.390+/-248.088 χ^2/NDF:2.6/4

+ sign 681.118+/-192.005 χ^2/NDF: 39.0/22

All: 542.815+/-139.578 χ^2/NDF: 54.0/46

- 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: 520.263+/-0.162 χ^2/NDF:331651.9/6

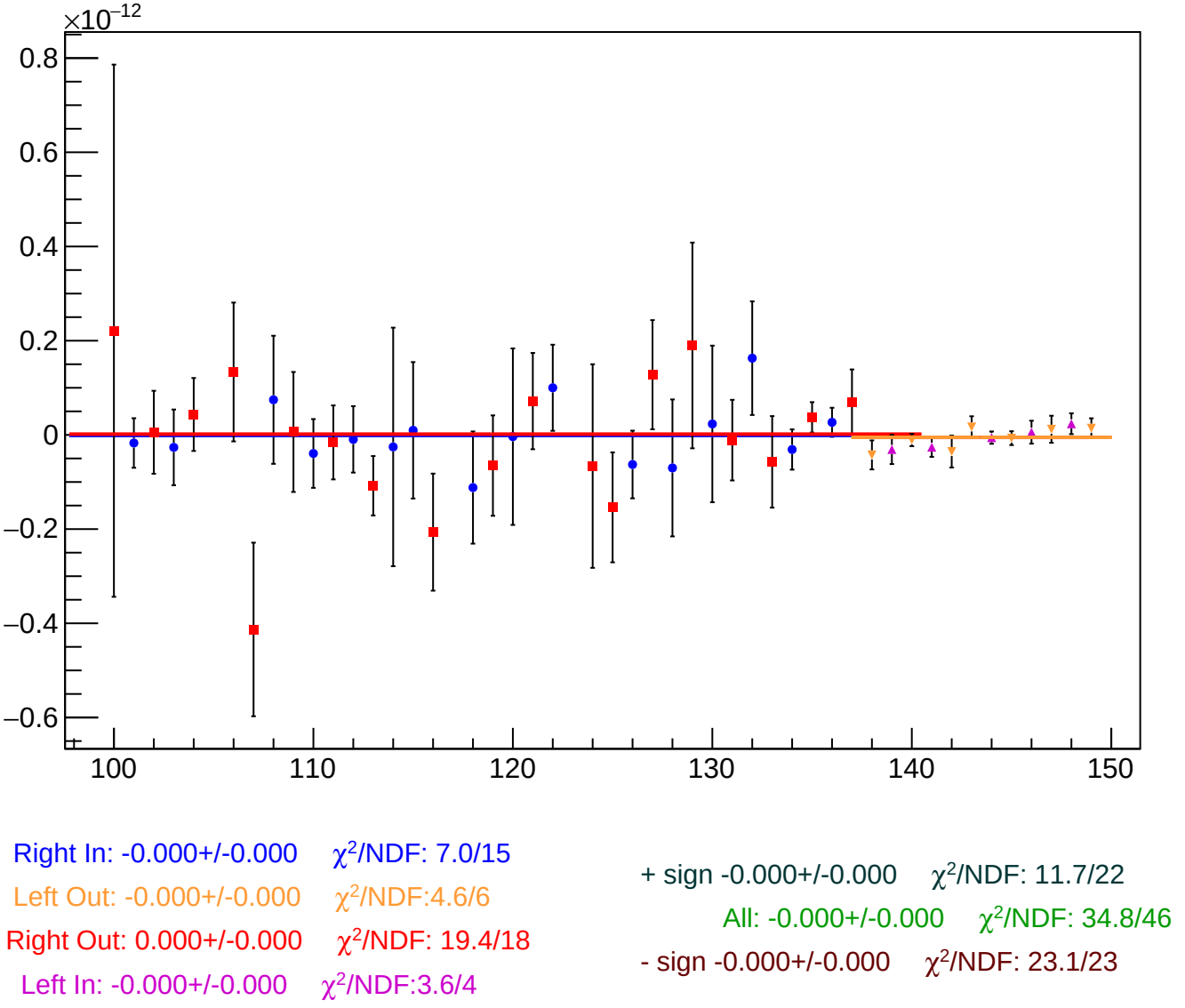
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

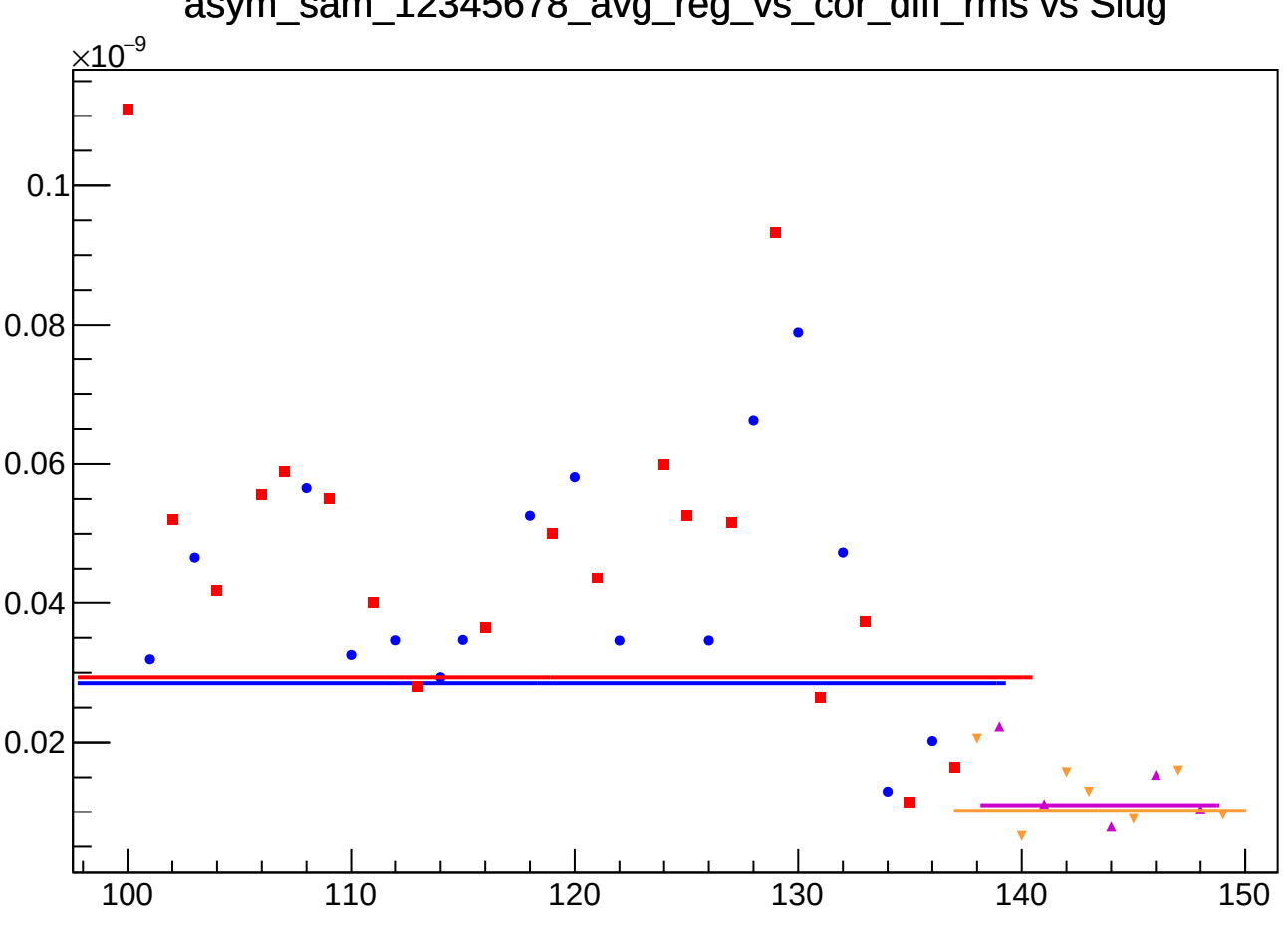
Left In: 505.613+/-0.175 χ^2/NDF:327081.6/4

+ sign 640.342+/-0.136 χ^2/NDF: 2662944.8/22

All: 645.964+/-0.099 χ^2/NDF: 5535726.6/46

- sign 652.266+/-0.144 χ^2/NDF: 2869144.6/23


asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 7.0/15
Left Out: -0.000+/-0.000 χ²/NDF:4.6/6
Right Out: 0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:3.6/4
+ sign -0.000+/-0.000 χ²/NDF: 11.7/22
All: -0.000+/-0.000 χ²/NDF: 34.8/46
- sign -0.000+/-0.000 χ²/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:561130.5/6

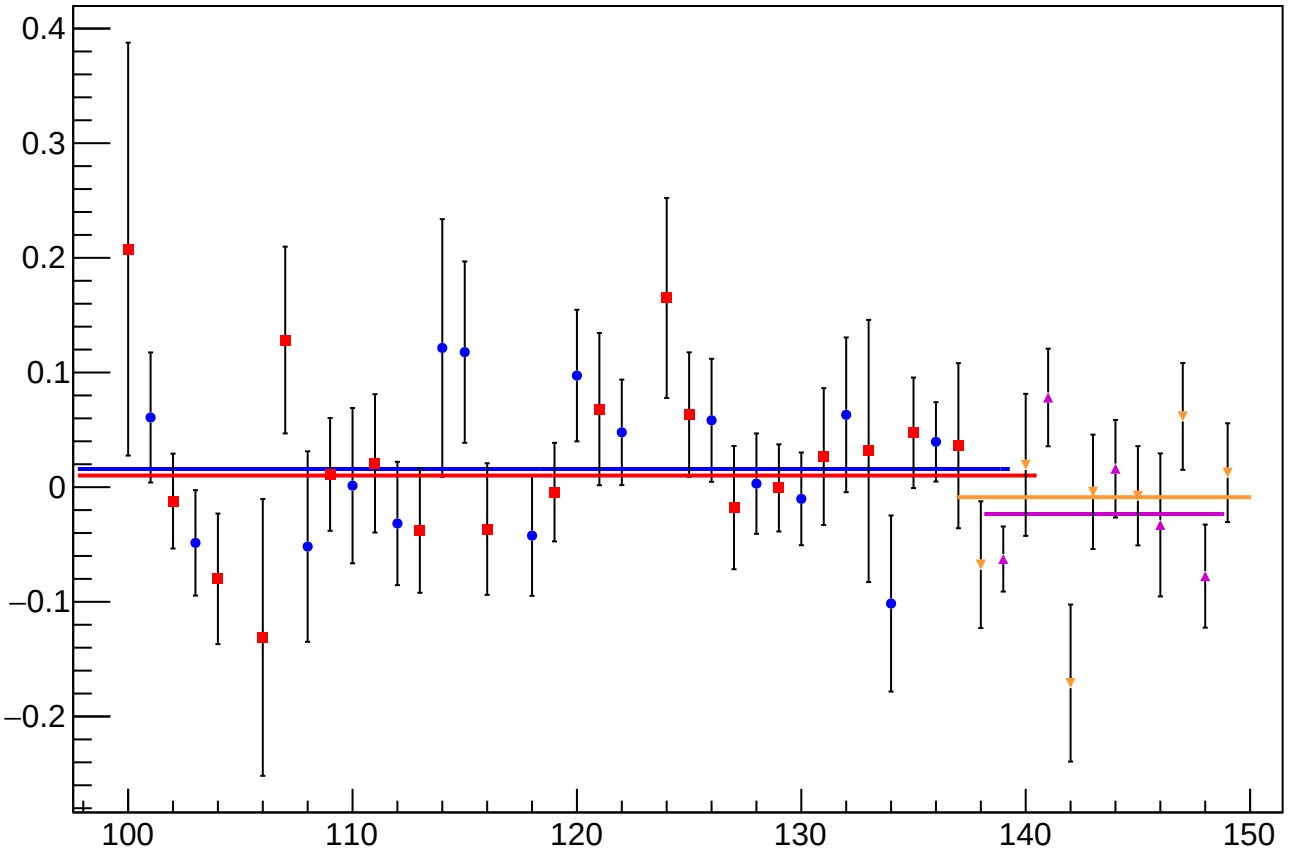
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:444893.7/4

+ sign 0.000+/-0.000 χ^2/NDF: 3528421.0/22

All: 0.000+/-0.000 χ^2/NDF: 7147291.9/46

- 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: -0.009+/-0.019 χ^2/NDF:9.5/6

Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

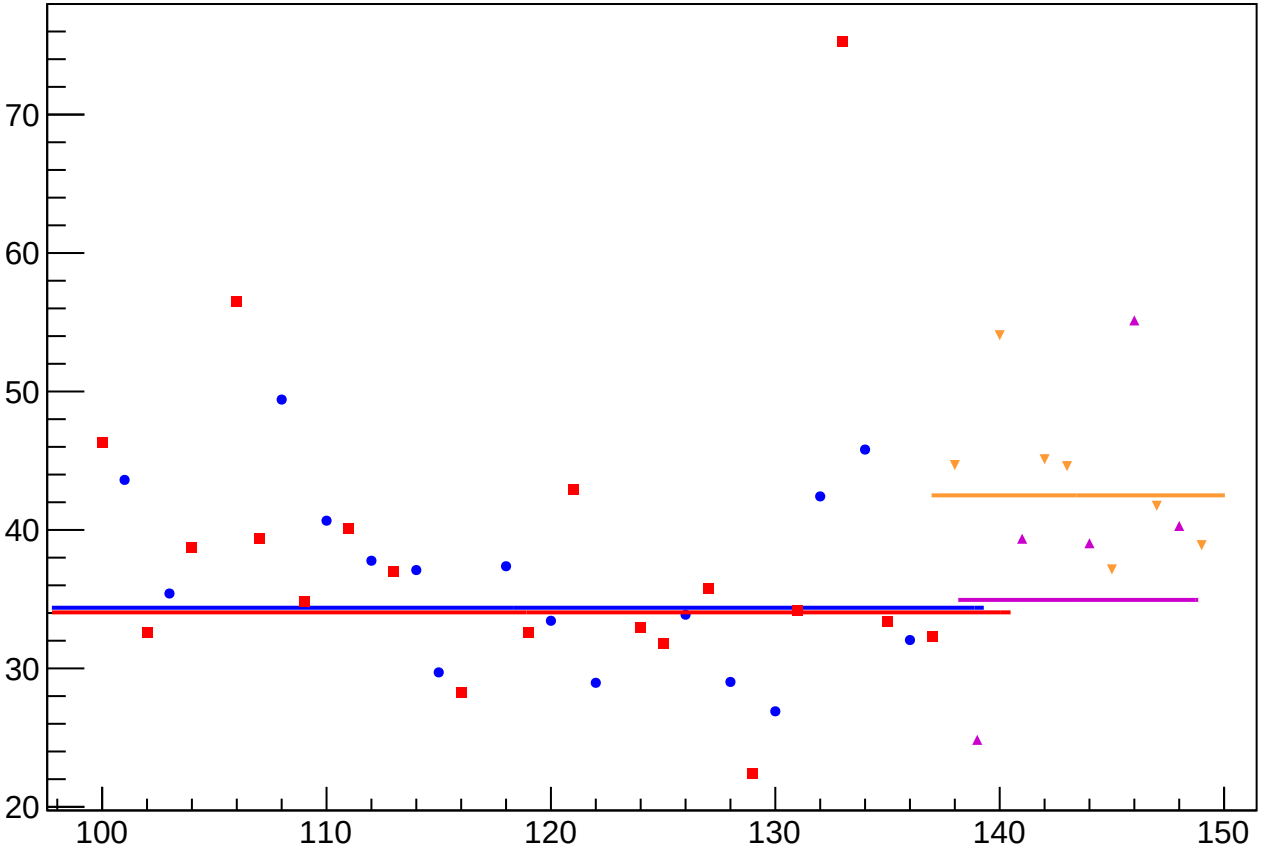
Left In: -0.023+/-0.018 χ^2/NDF:10.0/4

+ sign 0.008+/-0.011 χ^2/NDF: 25.4/22

All: 0.003+/-0.008 χ^2/NDF: 53.1/46

- sign -0.002+/-0.011 χ^2/NDF: 27.3/23

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 42.498+/-0.014 χ^2/NDF:124288.9/6

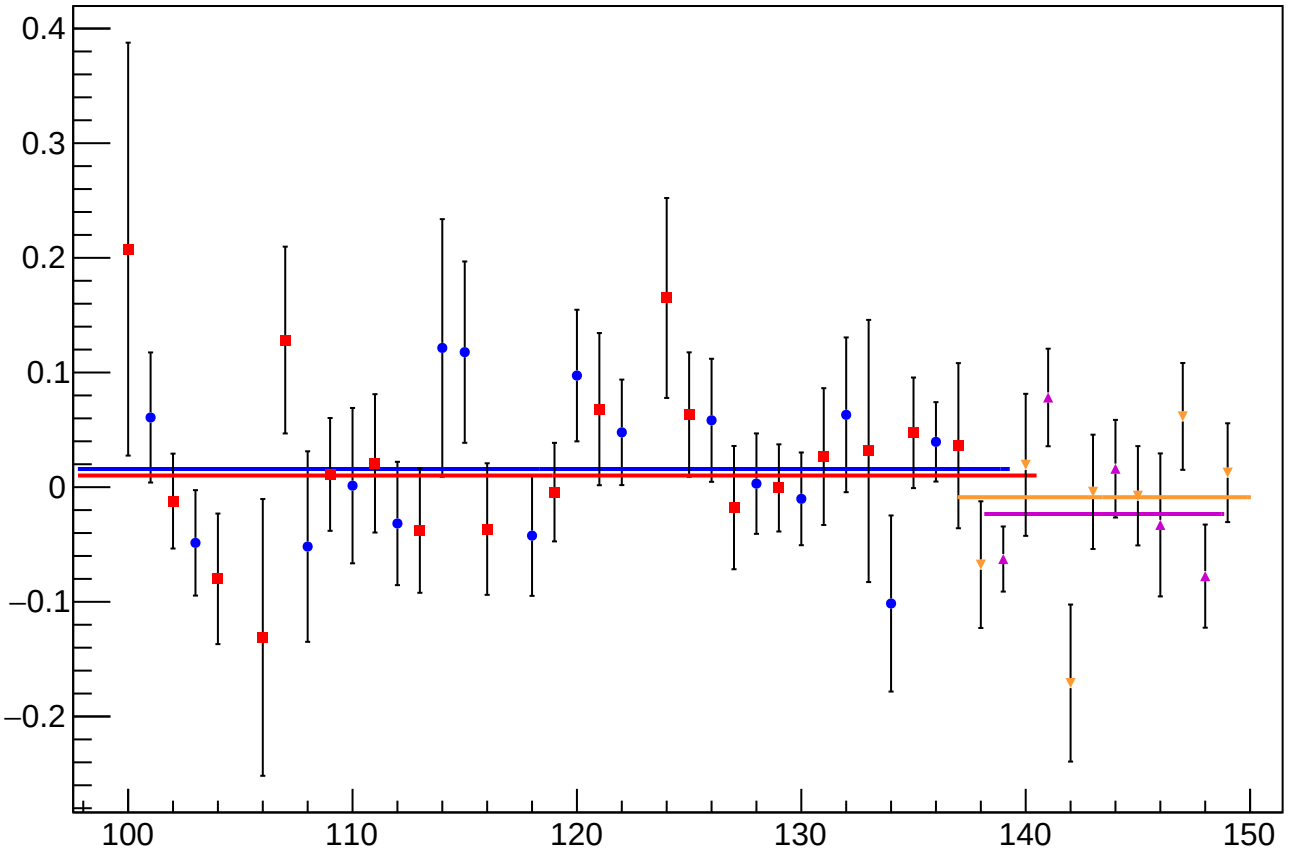
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.948+/-0.013 χ^2/NDF:531099.8/4

+ sign 37.055+/-0.008 χ^2/NDF: 733966.9/22

All: 35.668+/-0.005 χ^2/NDF: 1973045.6/46

- sign 34.363+/-0.008 χ^2/NDF: 1177059.3/23



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.009+/-0.019 χ^2/NDF:9.5/6

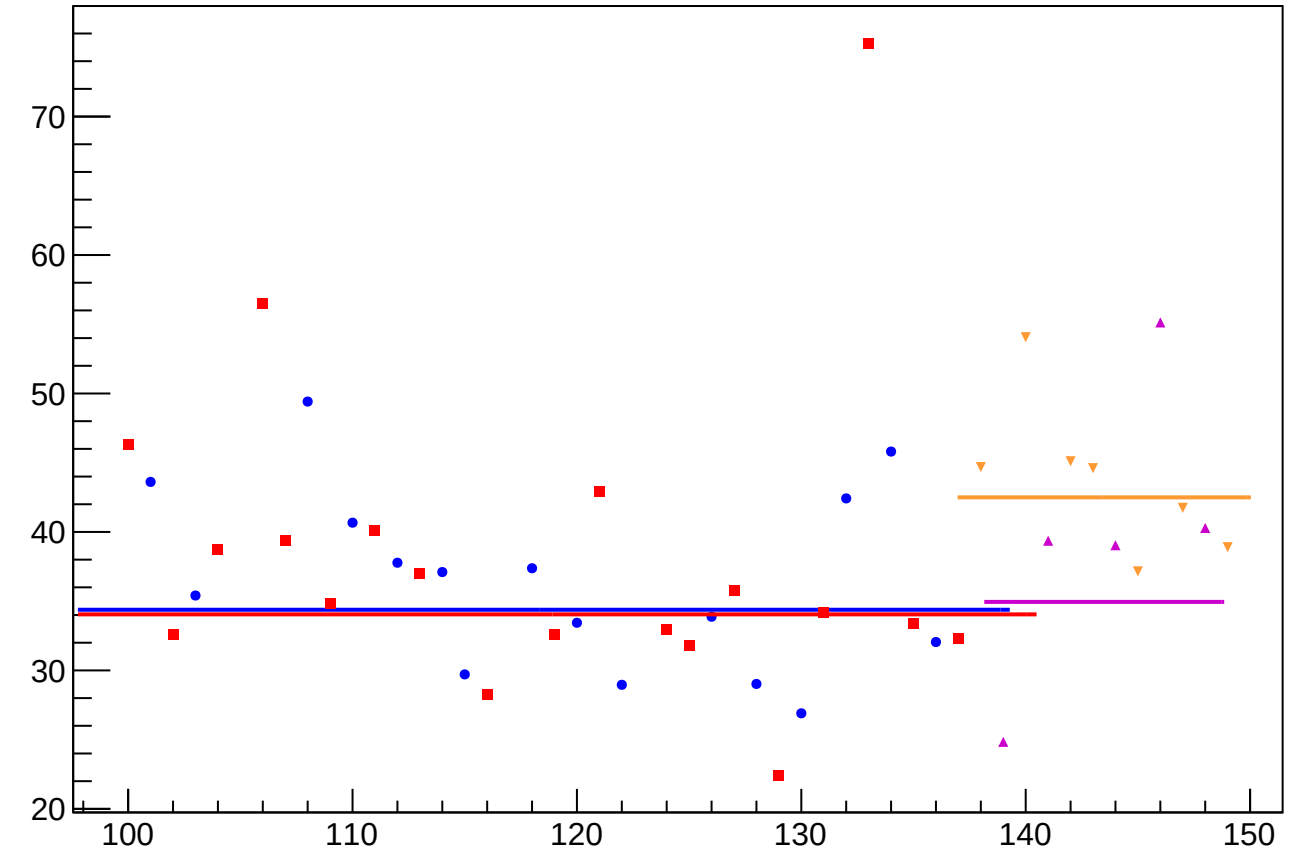
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.023+/-0.018 χ^2/NDF:10.0/4

+ sign 0.008+/-0.011 χ^2/NDF: 25.4/22

All: 0.003+/-0.008 χ^2/NDF: 53.1/46

- 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: 42.498+/-0.014 χ^2/NDF:124288.9/6

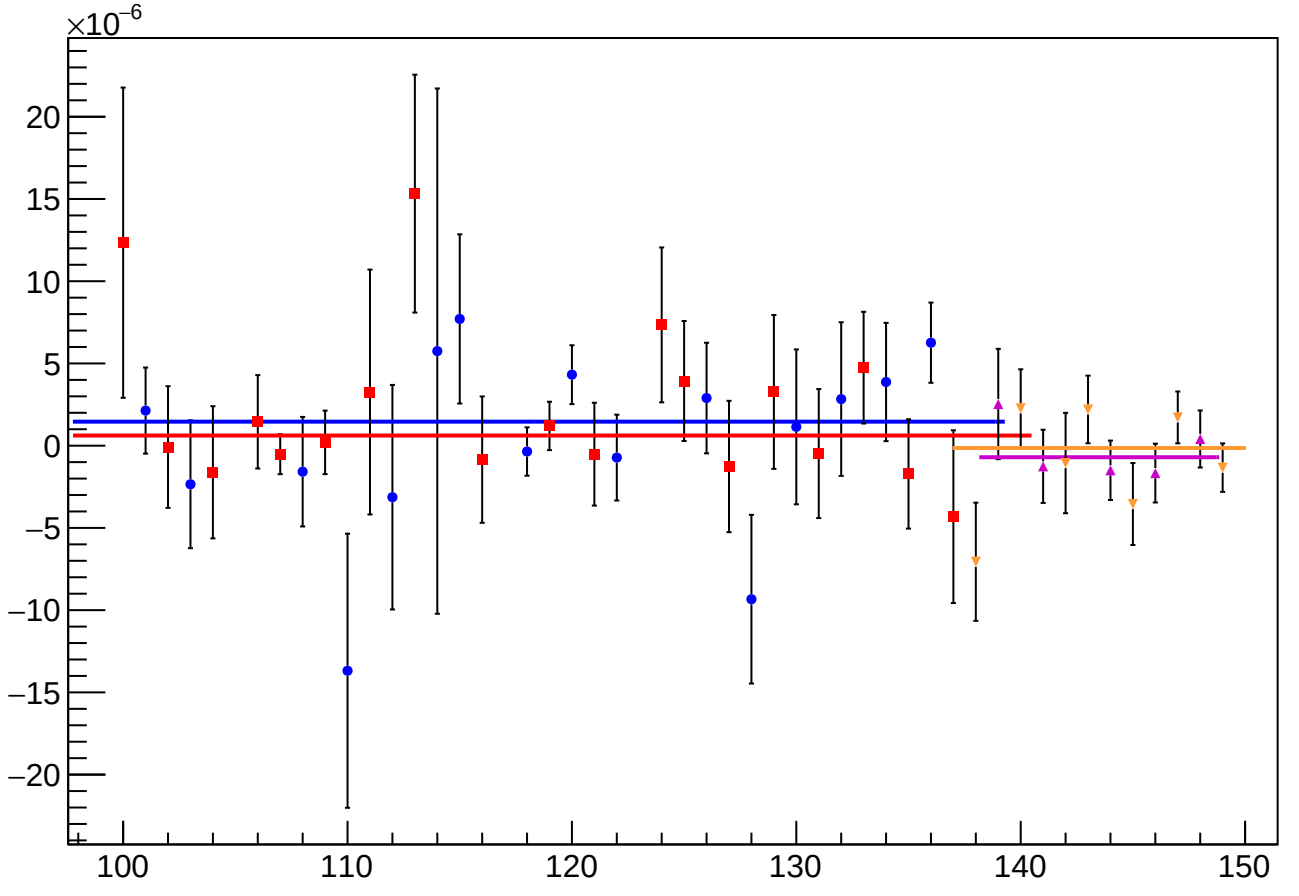
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.948+/-0.013 χ^2/NDF:531099.8/4

+ sign 37.055+/-0.008 χ^2/NDF: 733966.9/22

All: 35.668+/-0.005 χ^2/NDF: 1973045.6/46

- 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:10.0/6

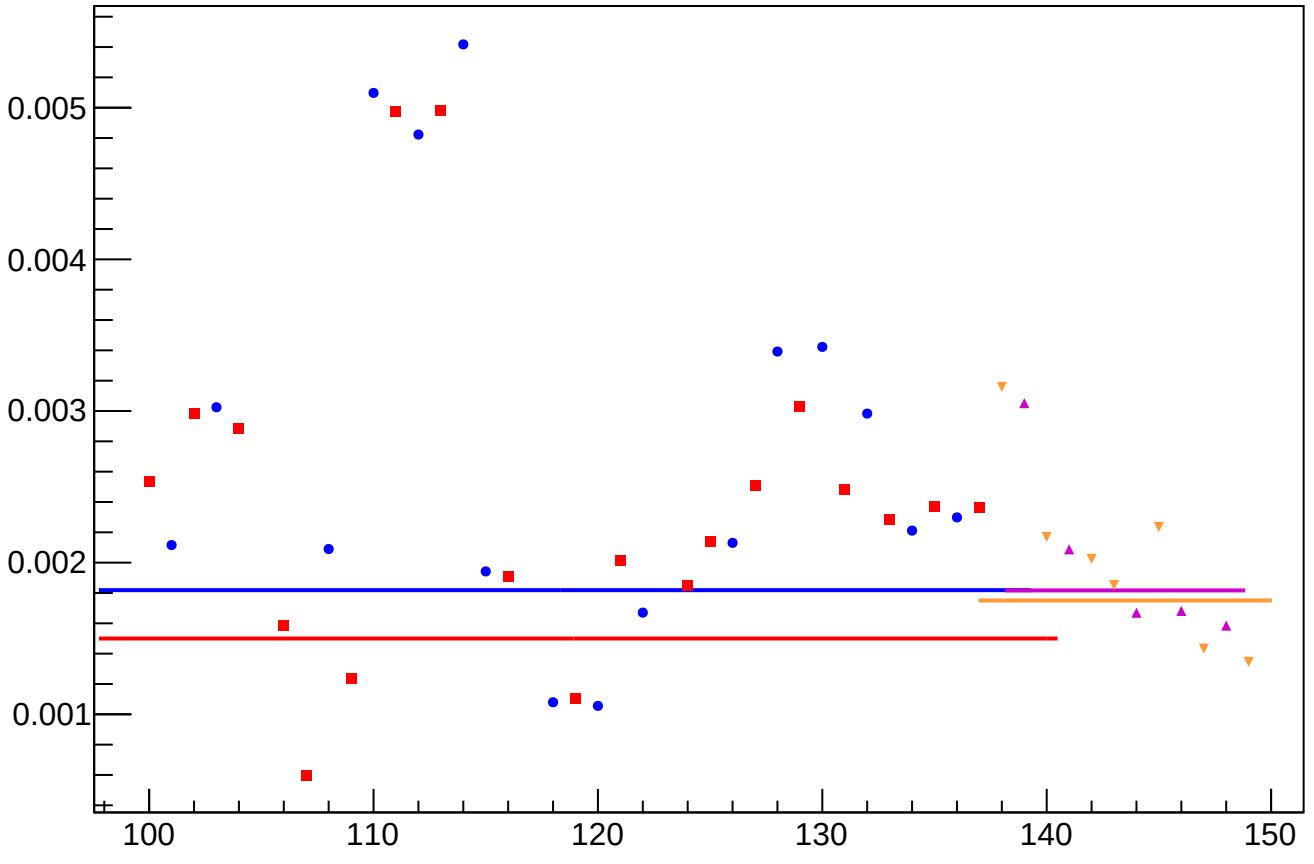
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

+ sign 0.000+/-0.000 χ^2/NDF: 33.2/22

All: 0.000+/-0.000 χ^2/NDF: 50.9/46

- 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:698647.4/6

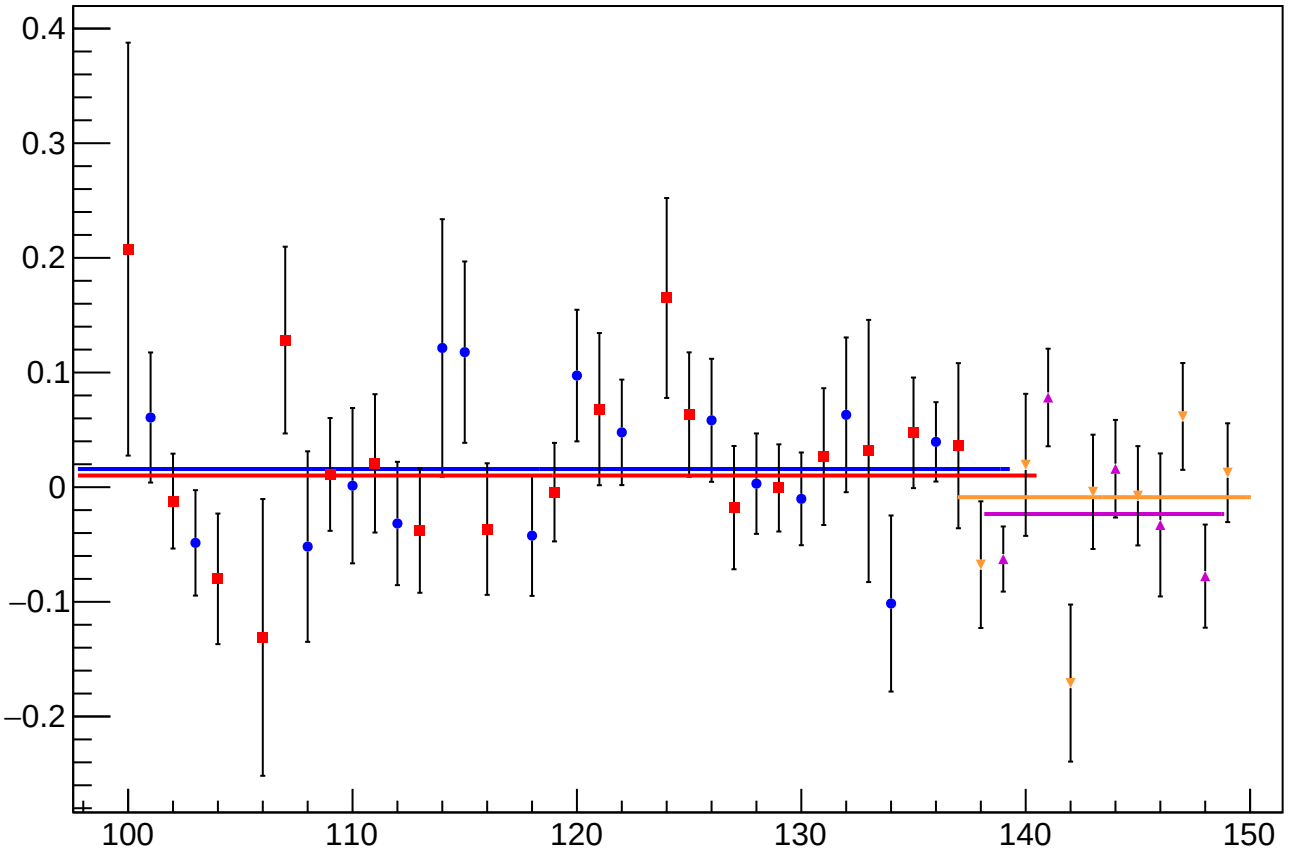
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:361205.5/4

+ sign 0.002+/-0.000 χ^2/NDF: 3276718.2/22

All: 0.002+/-0.000 χ^2/NDF: 7602968.9/46

- 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: -0.009+/-0.019 χ^2/NDF:9.5/6

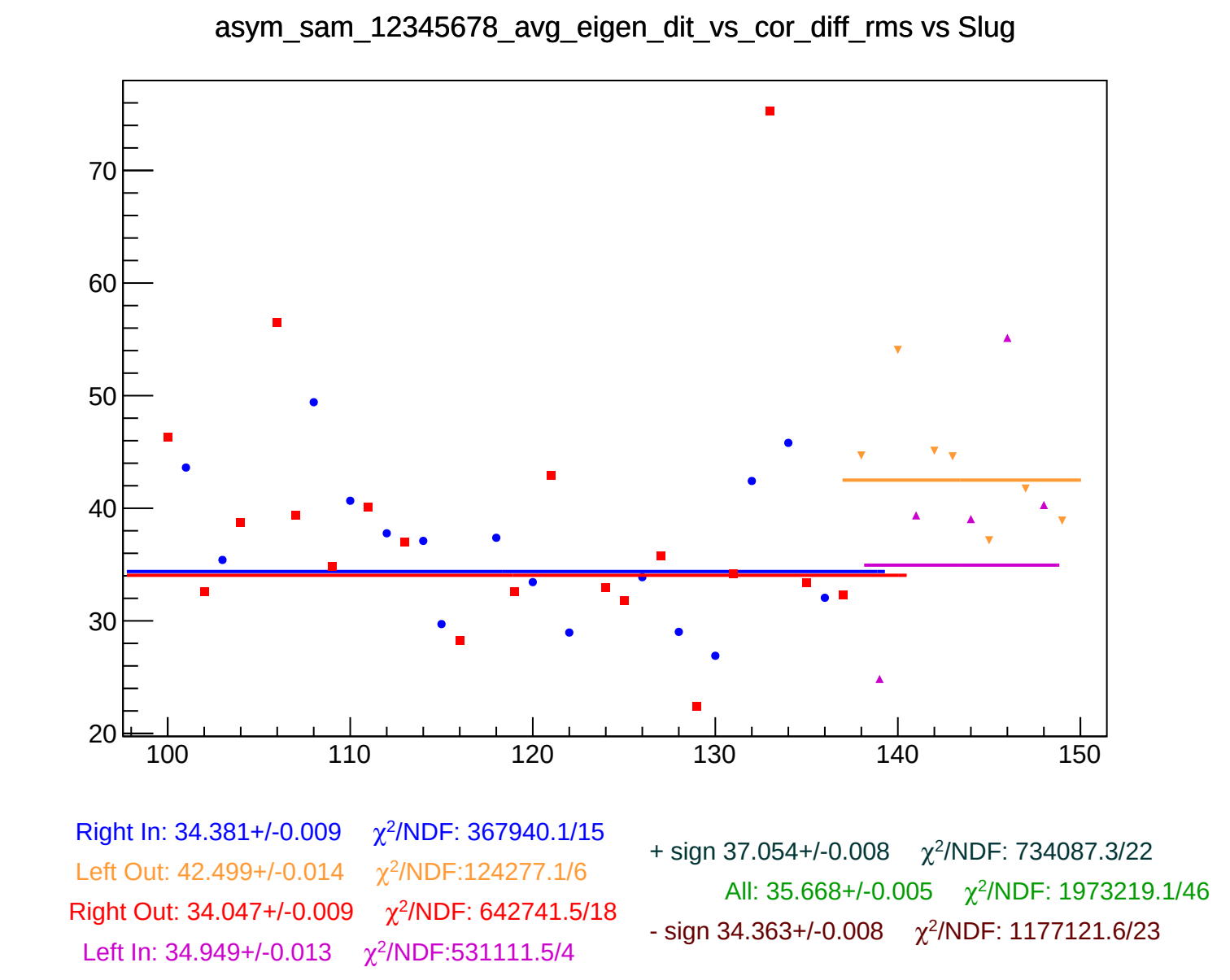
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

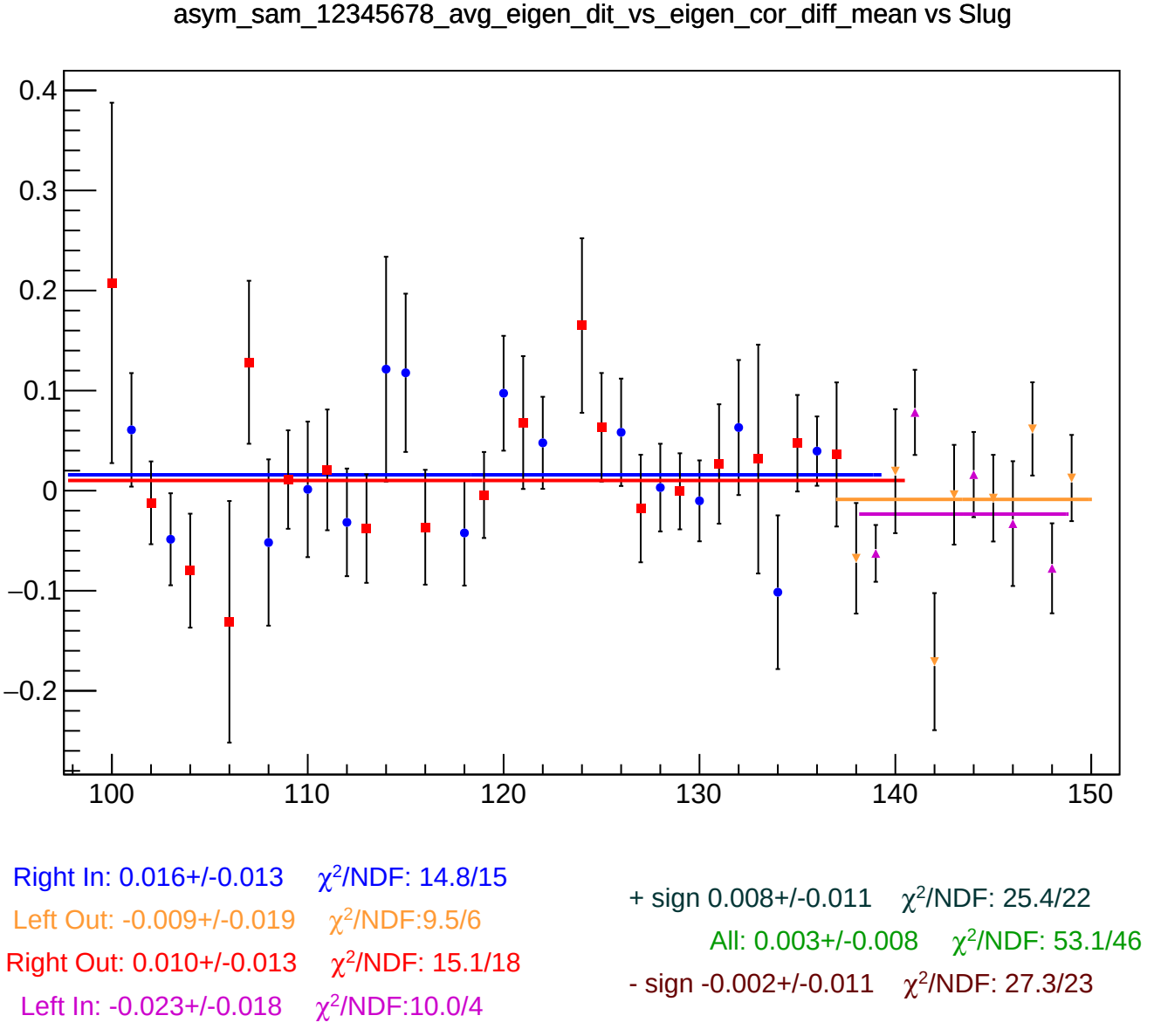
Left In: -0.023+/-0.018 χ^2/NDF:10.0/4

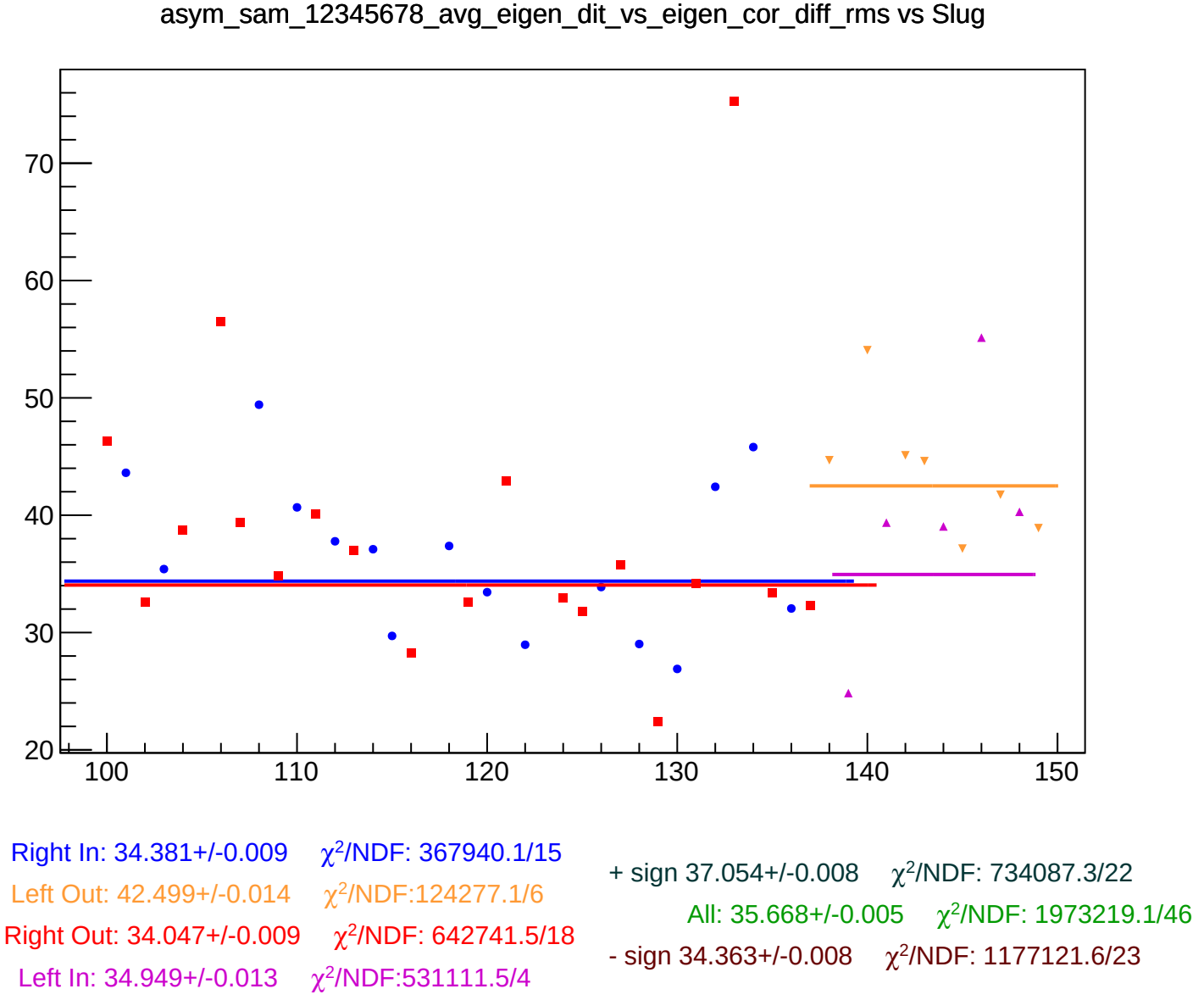
+ sign 0.008+/-0.011 χ^2/NDF: 25.4/22

All: 0.003+/-0.008 χ^2/NDF: 53.1/46

- sign -0.002+/-0.011 χ^2/NDF: 27.3/23


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 42.499+/-0.014 χ²/NDF:124277.1/6
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.949+/-0.013 χ²/NDF:531111.5/4
+ sign 37.054+/-0.008 χ²/NDF: 734087.3/22
All: 35.668+/-0.005 χ²/NDF: 1973219.1/46
- sign 34.363+/-0.008 χ²/NDF: 1177121.6/23


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: -0.009+/-0.019 χ²/NDF:9.5/6
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.023+/-0.018 χ²/NDF:10.0/4
+ sign 0.008+/-0.011 χ²/NDF: 25.4/22
All: 0.003+/-0.008 χ²/NDF: 53.1/46
- sign -0.002+/-0.011 χ²/NDF: 27.3/23


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
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100
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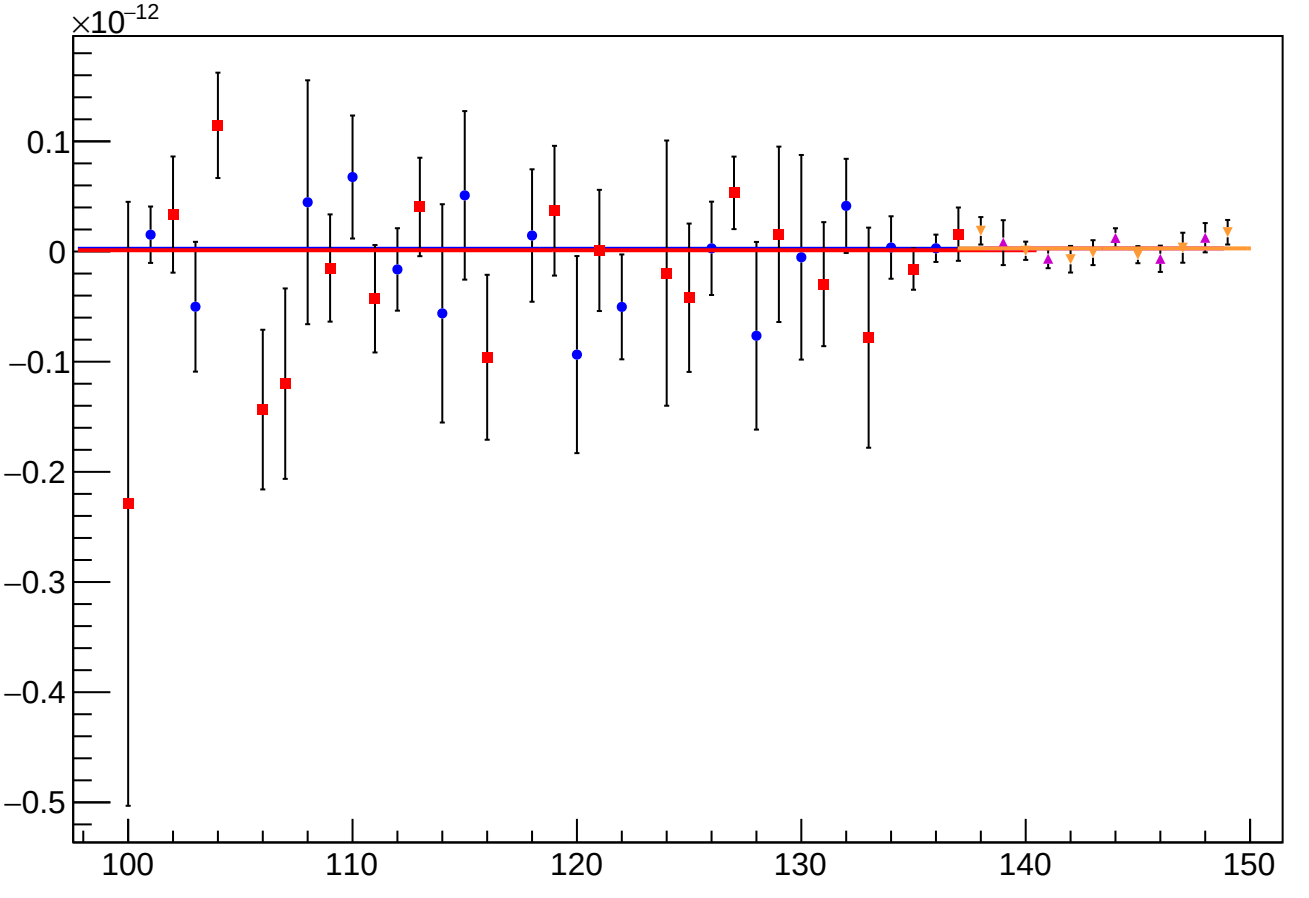
130
140
150
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 42.499+/-0.014 χ²/NDF:124277.1/6
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.949+/-0.013 χ²/NDF:531111.5/4
+ sign 37.054+/-0.008 χ²/NDF: 734087.3/22
All: 35.668+/-0.005 χ²/NDF: 1973219.1/46
- sign 34.363+/-0.008 χ²/NDF: 1177121.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.8/6

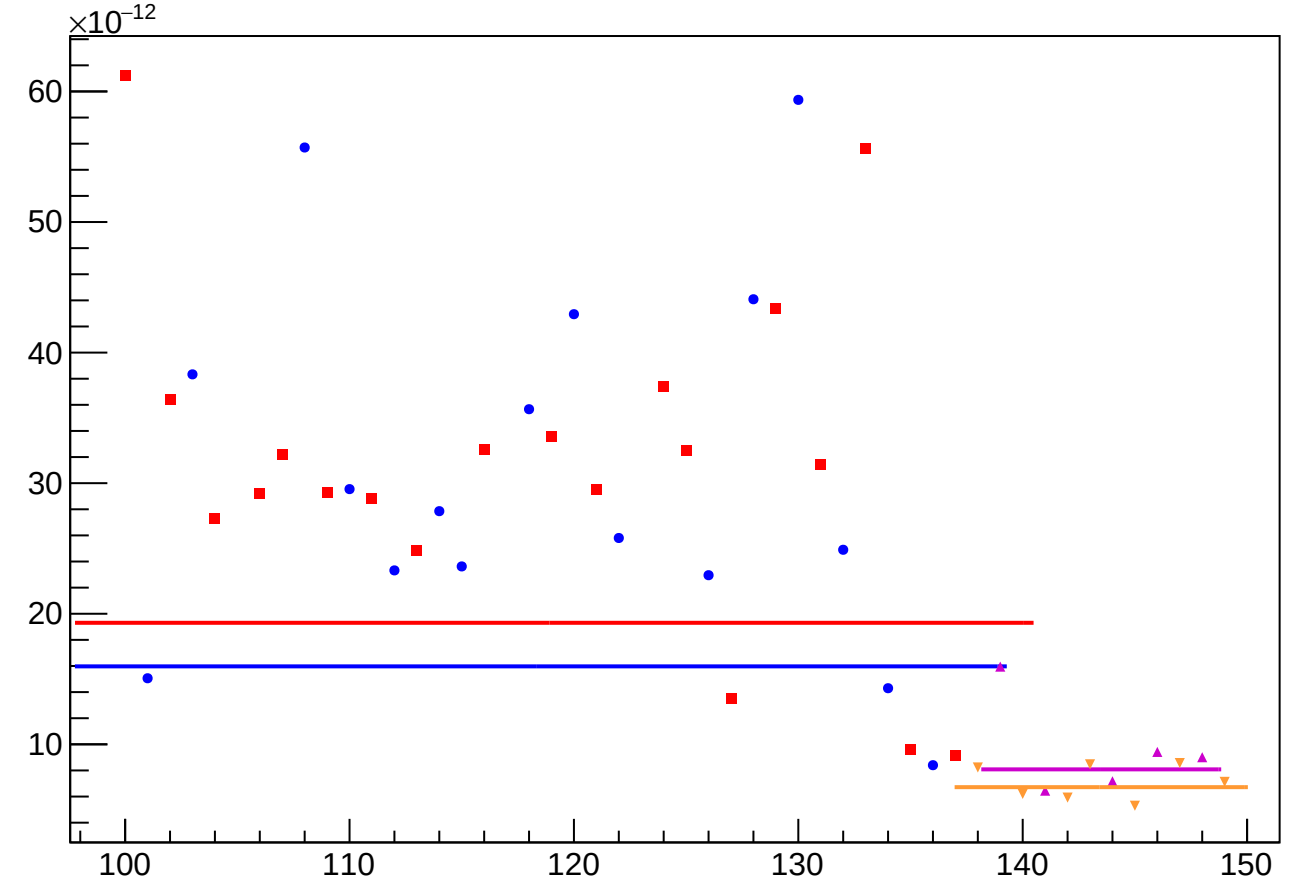
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/4

+ sign 0.000+/-0.000 χ^2/NDF: 12.4/22

All: 0.000+/-0.000 χ^2/NDF: 37.5/46

- sign 0.000+/-0.000 χ^2/NDF: 25.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:200241.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

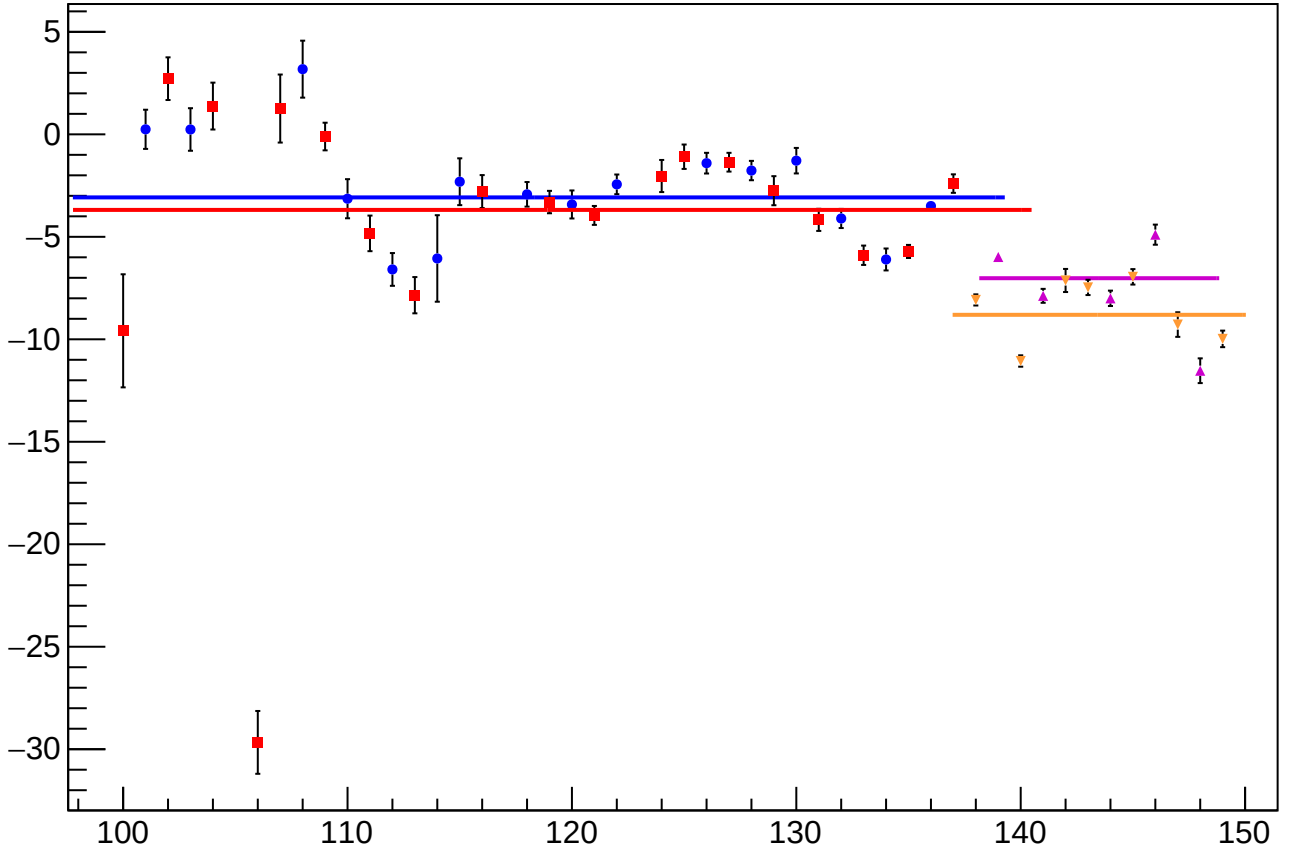
Left In: 0.000+/-0.000 χ^2/NDF:425932.1/4

+ sign 0.000+/-0.000 χ^2/NDF: 4898122.0/22

All: 0.000+/-0.000 χ^2/NDF: 9961302.8/46

- sign 0.000+/-0.000 χ^2/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: -8.806+/-0.138 χ^2/NDF:128.0/6

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

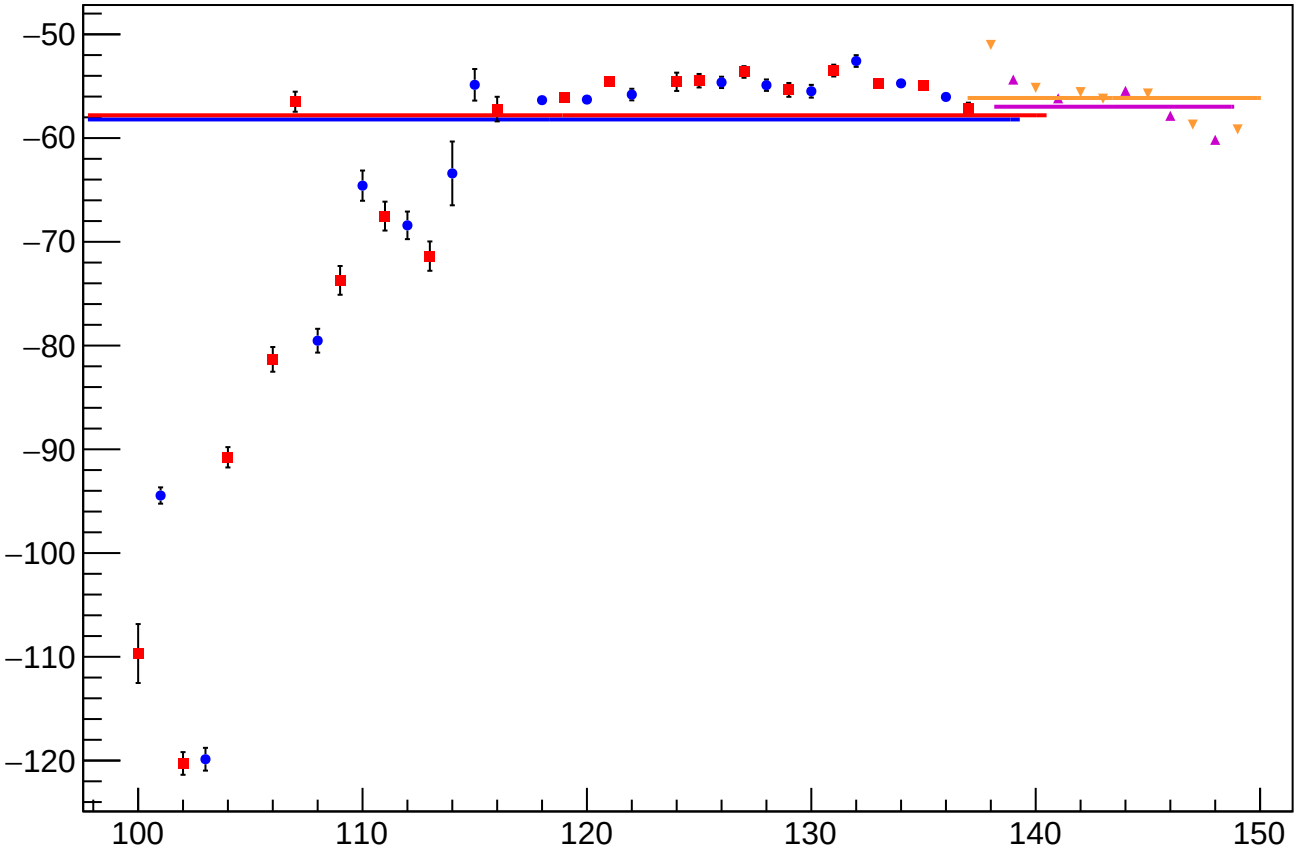
Left In: -7.019+/-0.158 χ^2/NDF:106.5/4

+ sign -5.891+/-0.096 χ^2/NDF: 1143.5/22

All: -5.554+/-0.071 χ^2/NDF: 2060.3/46

- 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: -56.135+/-0.108 χ^2/NDF:507.2/6

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

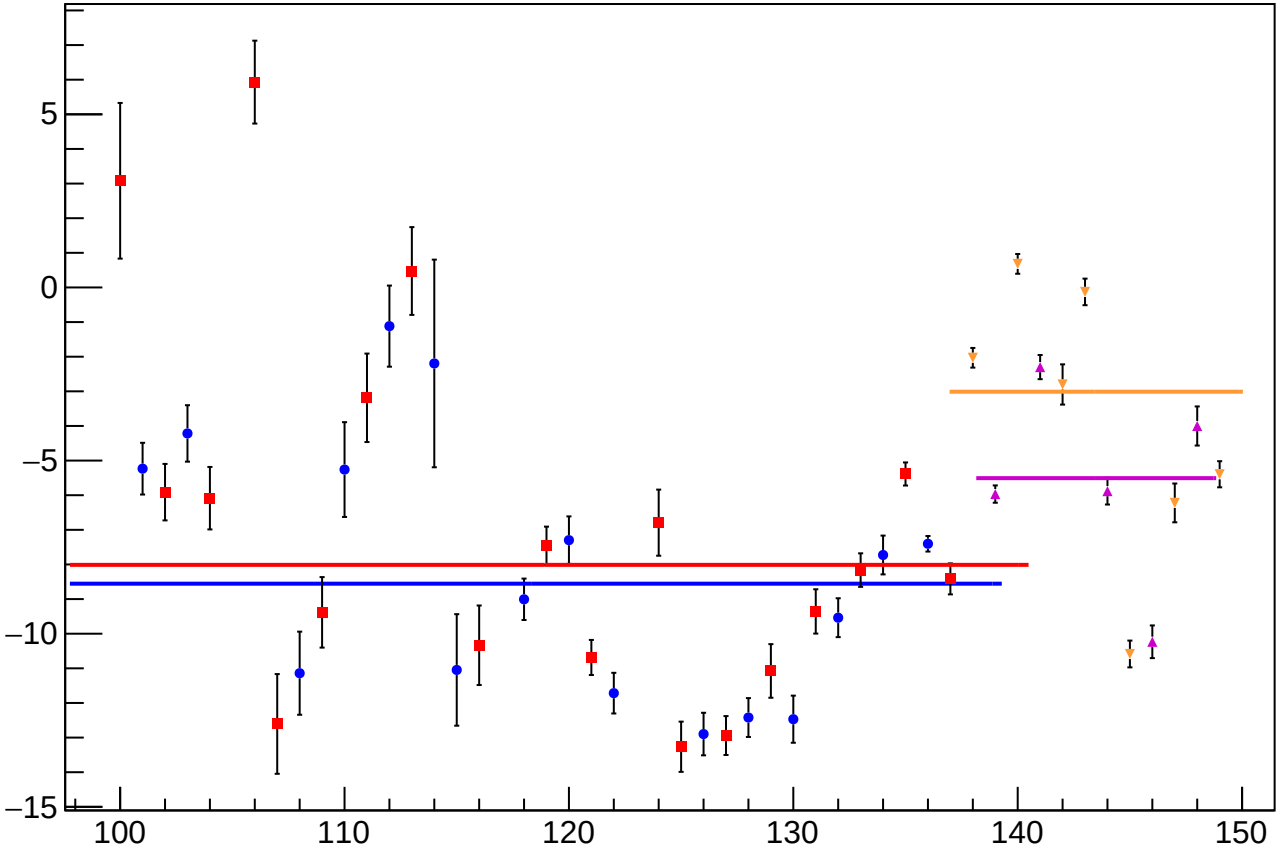
Left In: -56.978+/-0.133 χ^2/NDF:203.4/4

+ sign -56.936+/-0.084 χ^2/NDF: 6777.0/22

All: -57.127+/-0.063 χ^2/NDF: 12803.4/46

- 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: -3.011+/-0.140 χ^2/NDF:692.1/6

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

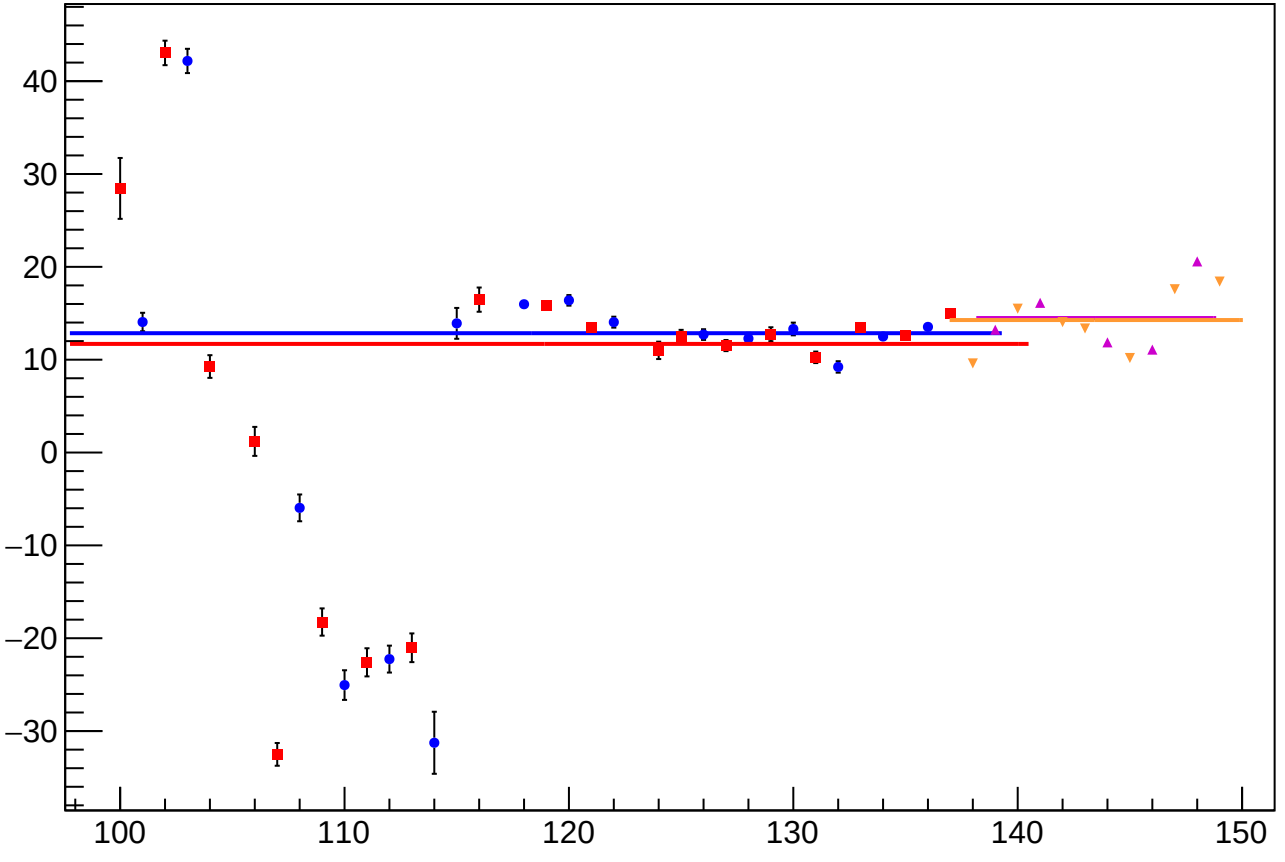
Left In: -5.507+/-0.161 χ^2/NDF:196.2/4

+ sign -5.683+/-0.100 χ^2/NDF: 1753.3/22

All: -6.197+/-0.074 χ^2/NDF: 2624.1/46

- 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: 14.270+/-0.128 χ^2/NDF:593.6/6

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

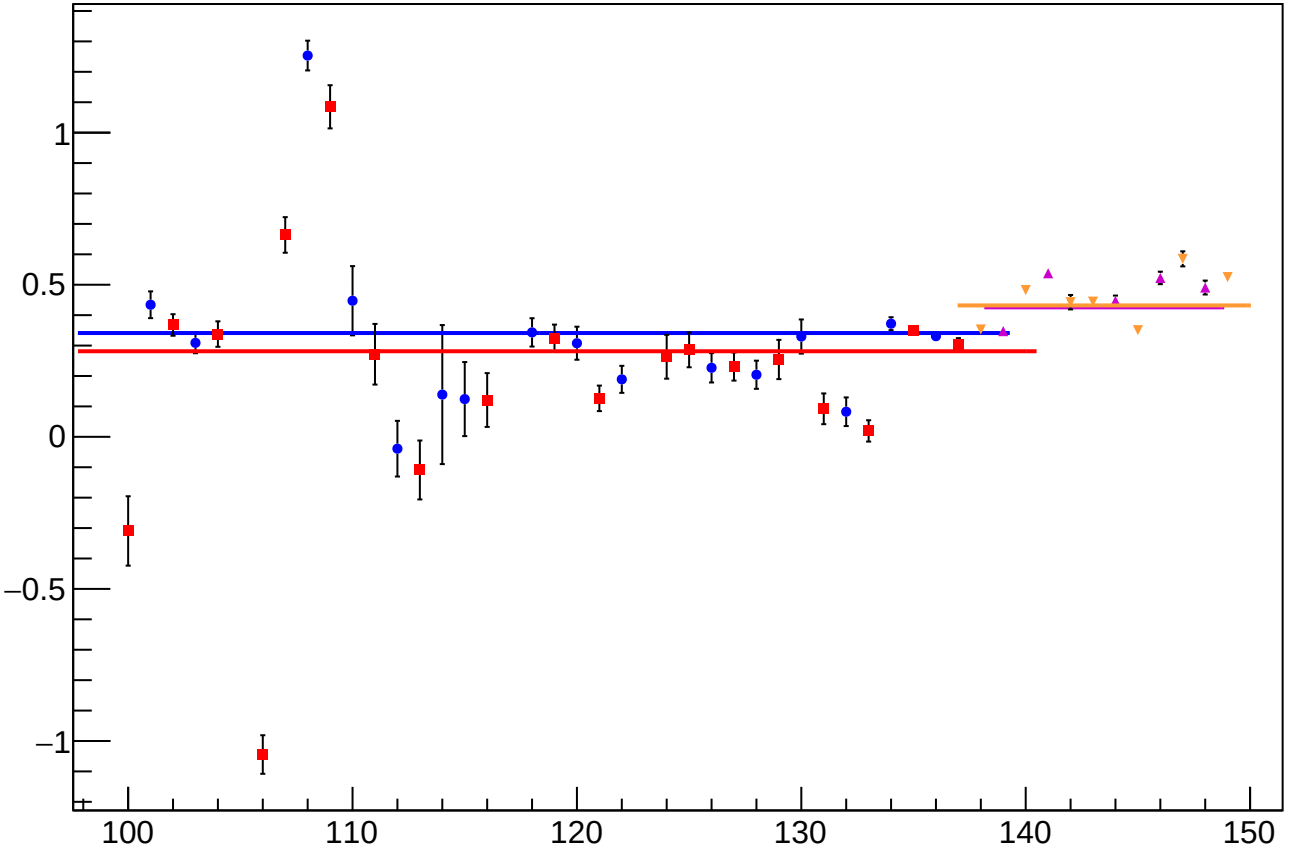
Left In: 14.489+/-0.158 χ^2/NDF:416.4/4

\+ sign 13.673+/-0.098 χ^2/NDF: 2773.4/22

All: 13.407+/-0.073 χ^2/NDF: 6864.0/46

\- 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: 0.432+/-0.006 χ^2/NDF:170.1/6

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

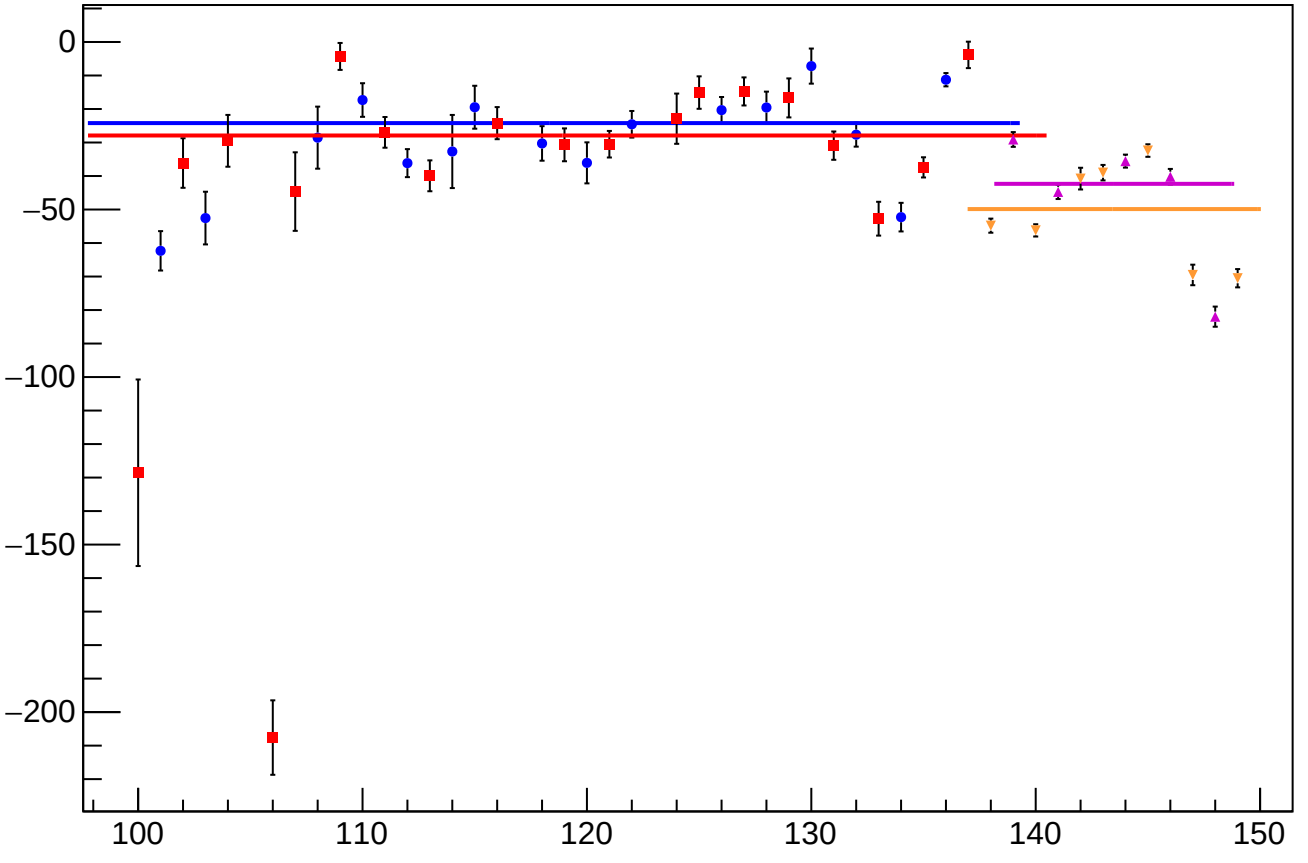
Left In: 0.426+/-0.006 χ^2/NDF:170.9/4

+ sign 0.400+/-0.005 χ^2/NDF: 691.5/22

All: 0.388+/-0.003 χ^2/NDF: 1841.5/46

- 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: -49.865+/-0.867 χ^2/NDF:232.5/6

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

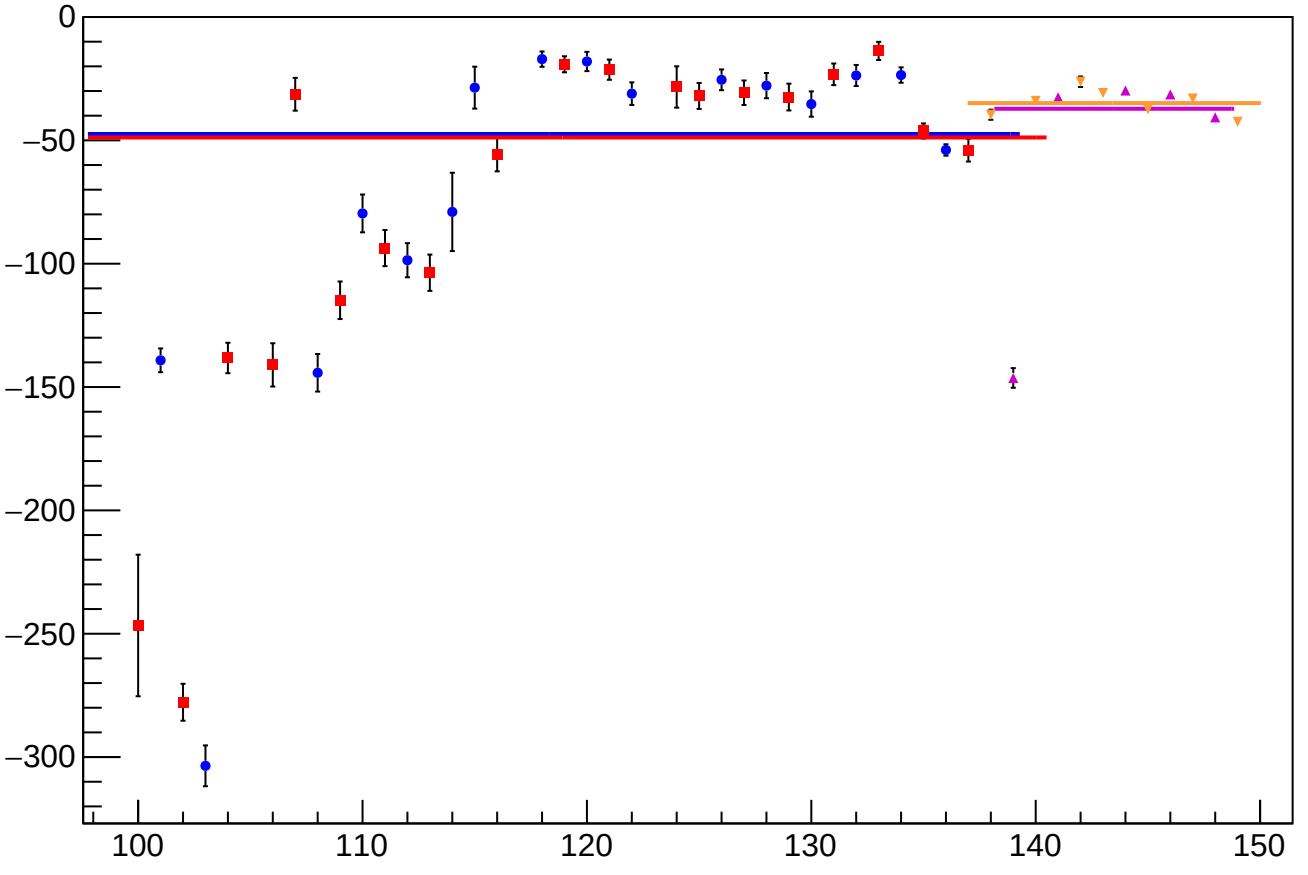
Left In: -42.335+/-1.008 χ^2/NDF:224.2/4

+ sign -39.882+/-0.678 χ^2/NDF: 744.1/22

All: -38.142+/-0.504 χ^2/NDF: 1486.7/46

- 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: -34.888+/-0.632 χ^2/NDF:51.7/6

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

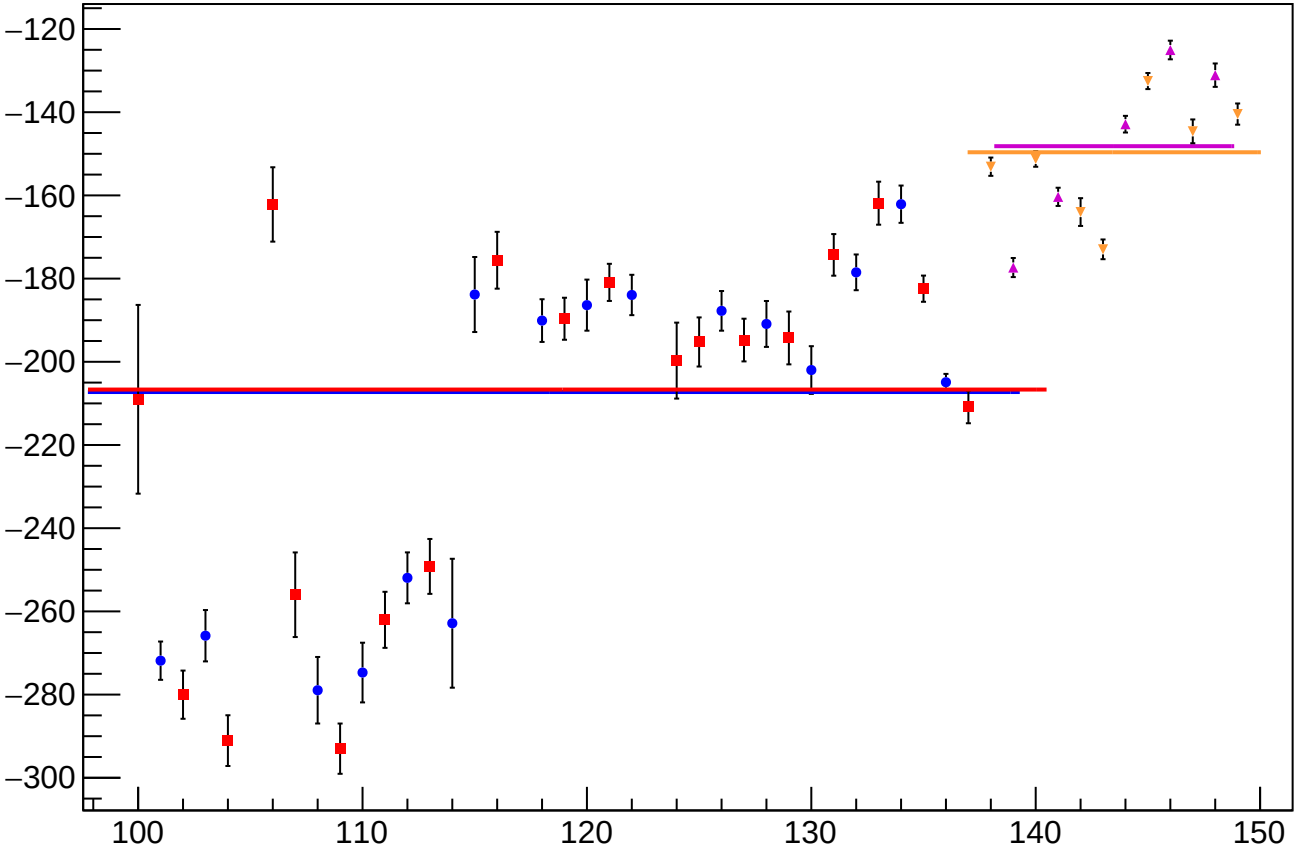
Left In: -37.193+/-0.712 χ^2/NDF:808.9/4

+ sign -37.992+/-0.548 χ^2/NDF: 2022.7/22

All: -39.017+/-0.408 χ^2/NDF: 4685.2/46

- 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: -149.632+/-0.877 χ^2/NDF:212.9/6

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

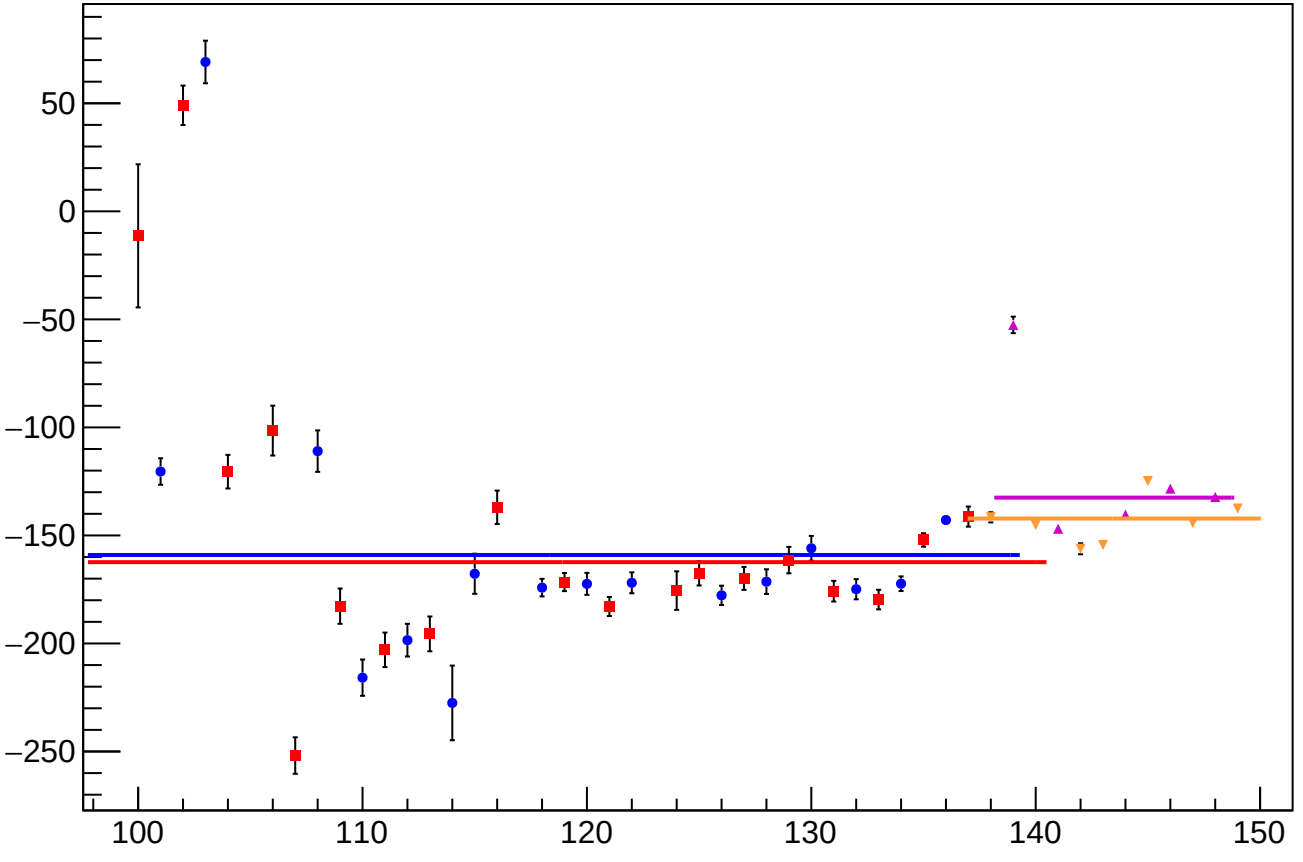
Left In: -148.169+/-1.014 χ^2/NDF:342.7/4

+ sign -170.189+/-0.704 χ^2/NDF: 2500.4/22

All: -170.427+/-0.527 χ^2/NDF: 5097.3/46

- 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: -142.183+/-0.765 χ^2/NDF:174.5/6

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

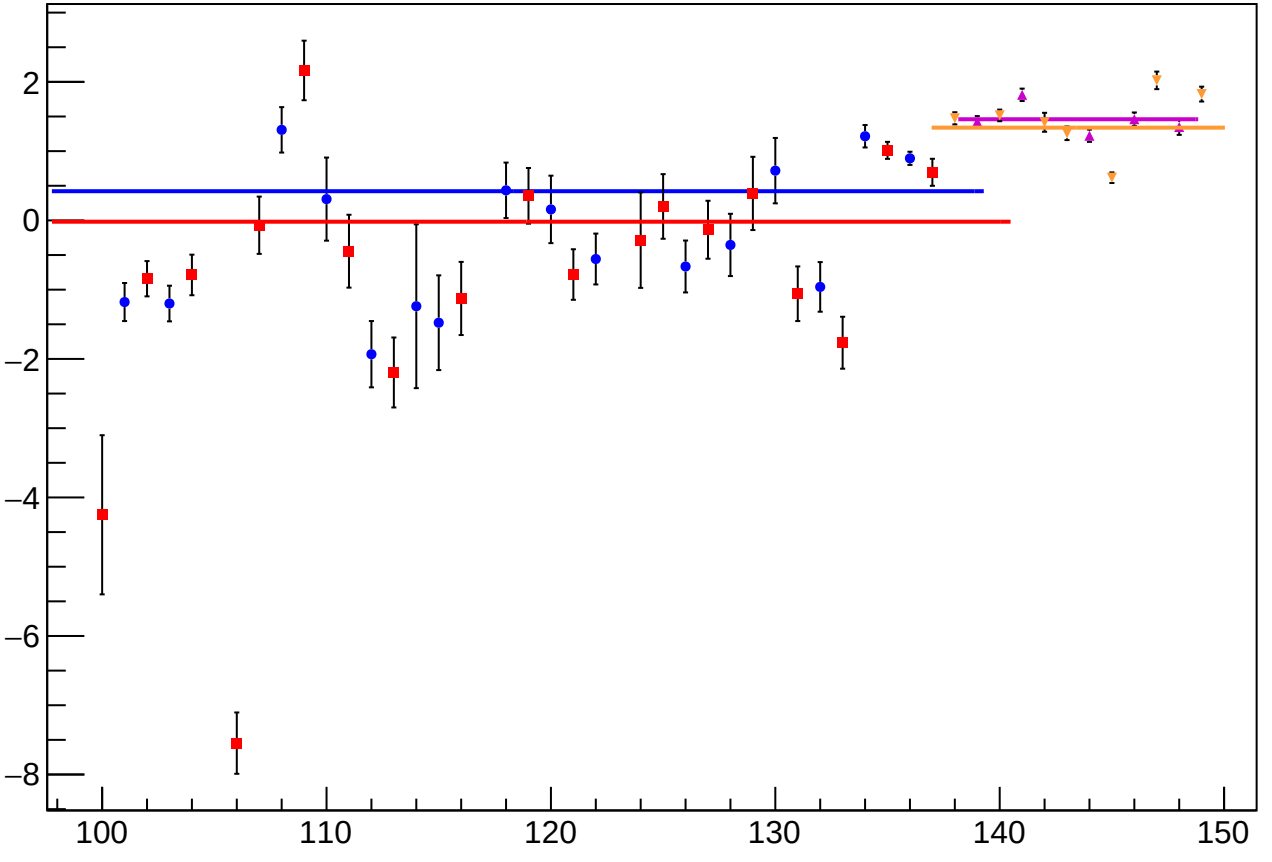
Left In: -132.505+/-0.876 χ^2/NDF:525.1/4

+ sign -146.912+/-0.649 χ^2/NDF: 1126.6/22

All: -144.570+/-0.485 χ^2/NDF: 2907.6/46

- 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: 1.339+/-0.037 χ^2/NDF:145.8/6

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

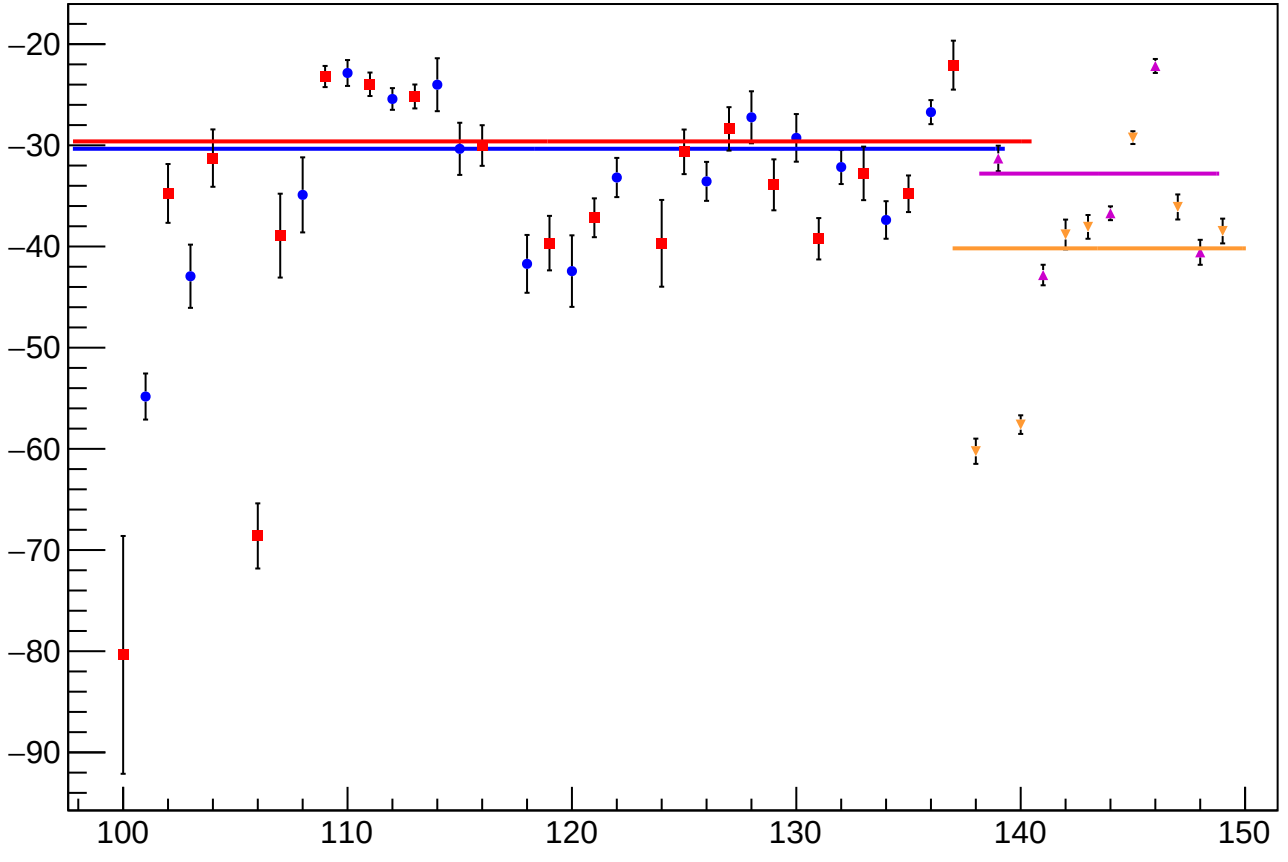
Left In: 1.460+/-0.041 χ^2/NDF:23.8/4

+ sign 1.117+/-0.032 χ^2/NDF: 495.5/22

All: 1.107+/-0.024 χ^2/NDF: 1322.7/46

- 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: -40.183+/-0.382 χ^2/NDF:933.3/6

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

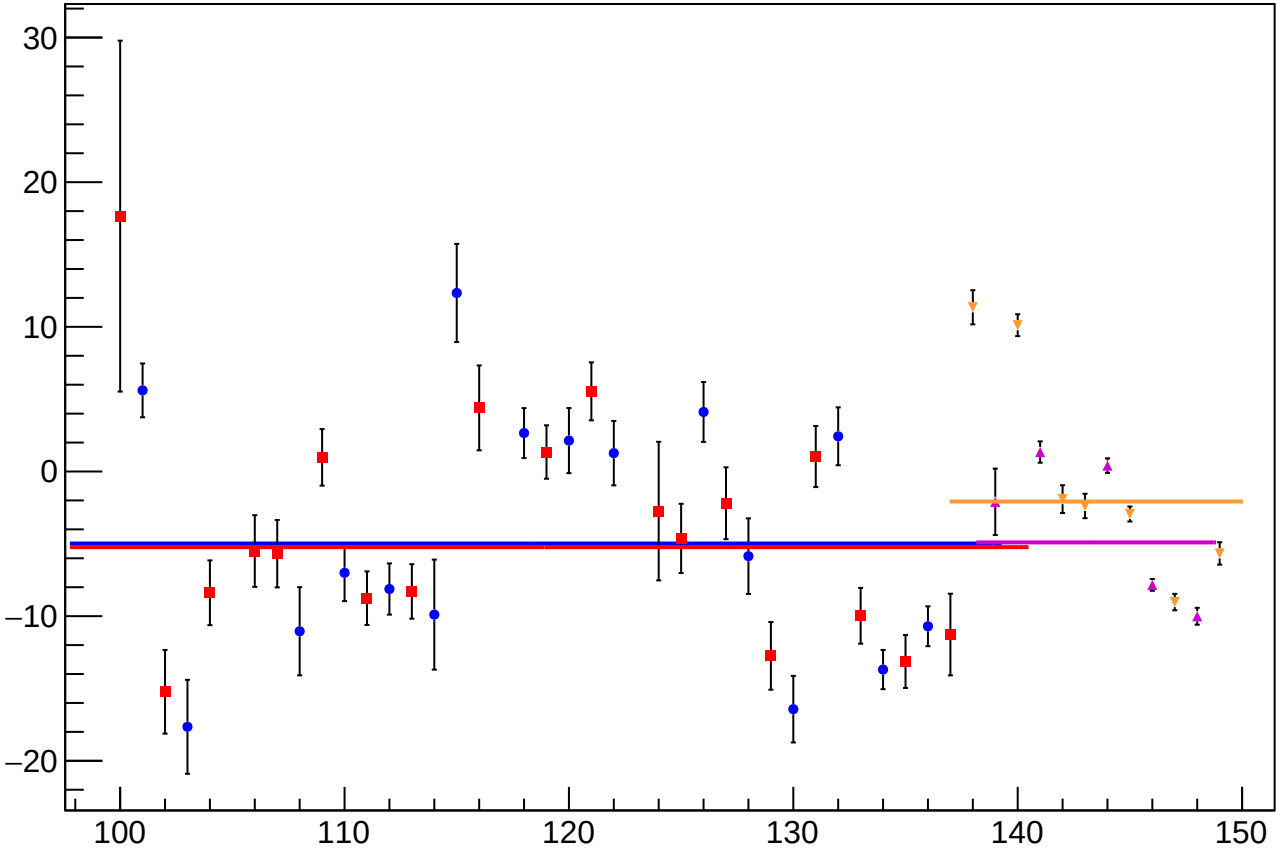
Left In: -32.796+/-0.393 χ^2/NDF:408.4/4

+ sign -36.241+/-0.296 χ^2/NDF: 1452.2/22

All: -33.830+/-0.209 χ^2/NDF: 2350.6/46

- 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: -2.076+/-0.273 χ^2/NDF:563.2/6

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

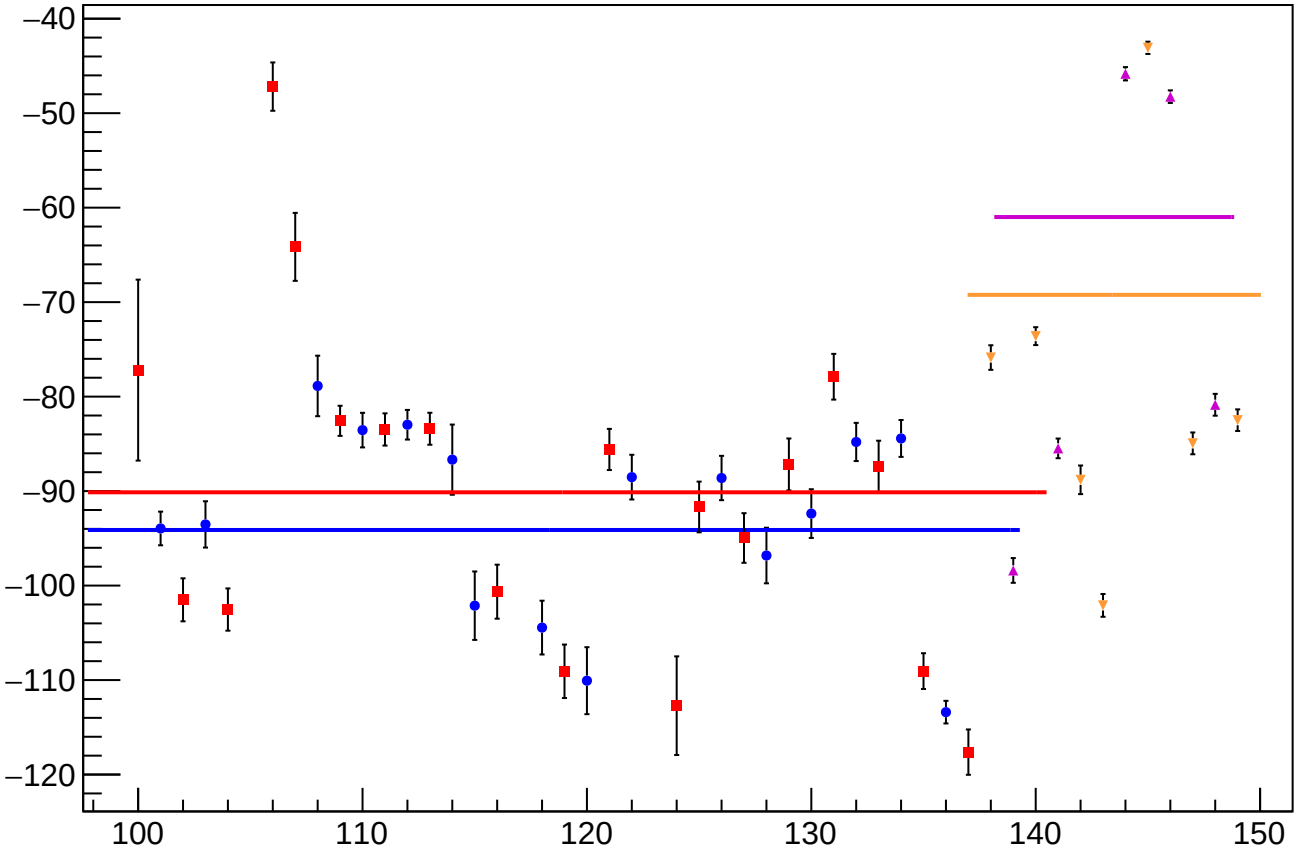
Left In: -4.901+/-0.258 χ^2/NDF:314.1/4

+ sign -2.723+/-0.240 χ^2/NDF: 825.7/22

All: -3.887+/-0.167 χ^2/NDF: 1321.8/46

- 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: -69.231+/-0.386 χ^2/NDF:2891.8/6

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

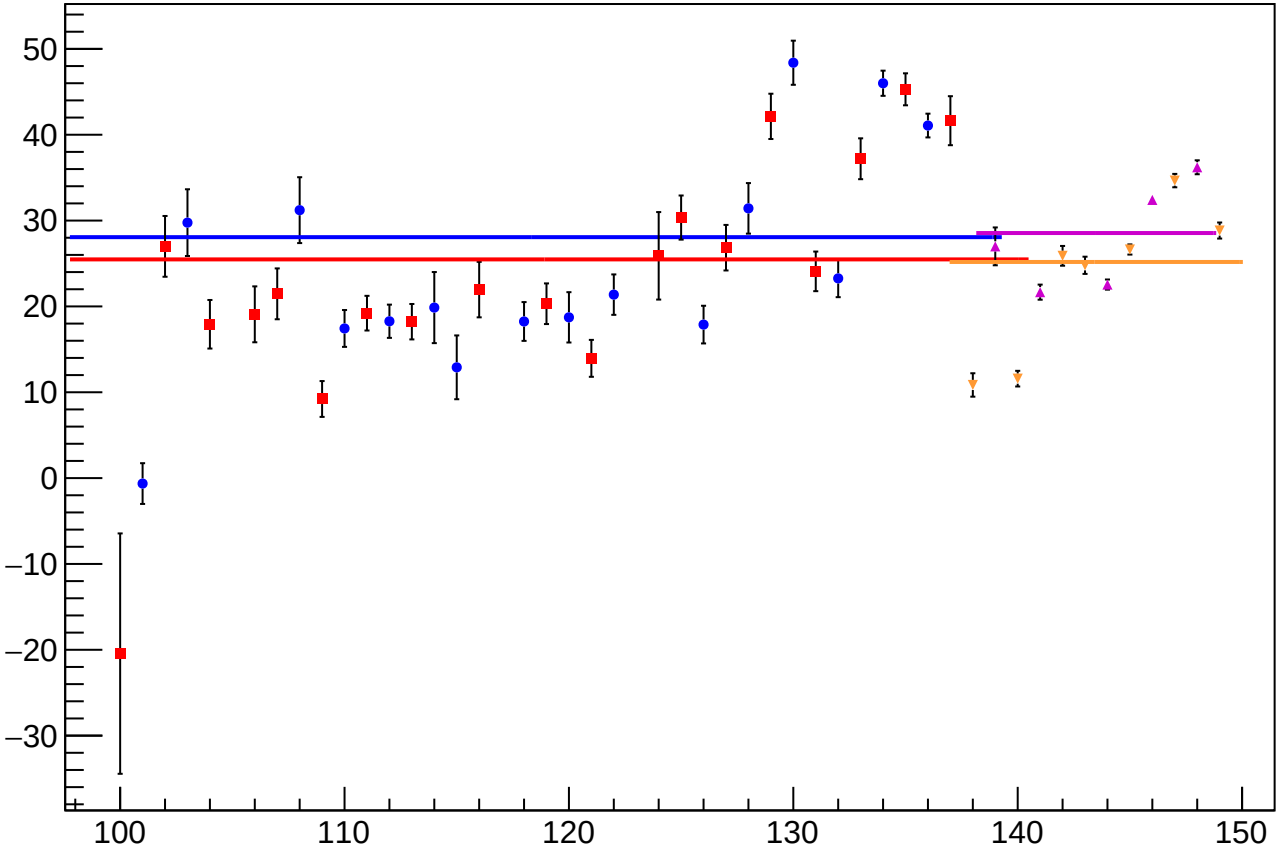
Left In: -60.992+/-0.391 χ^2/NDF:2493.9/4

+ sign -77.712+/-0.314 χ^2/NDF: 4774.0/22

All: -74.378+/-0.223 χ^2/NDF: 10180.9/46

- 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: 25.179+/-0.331 χ^2/NDF:501.8/6

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

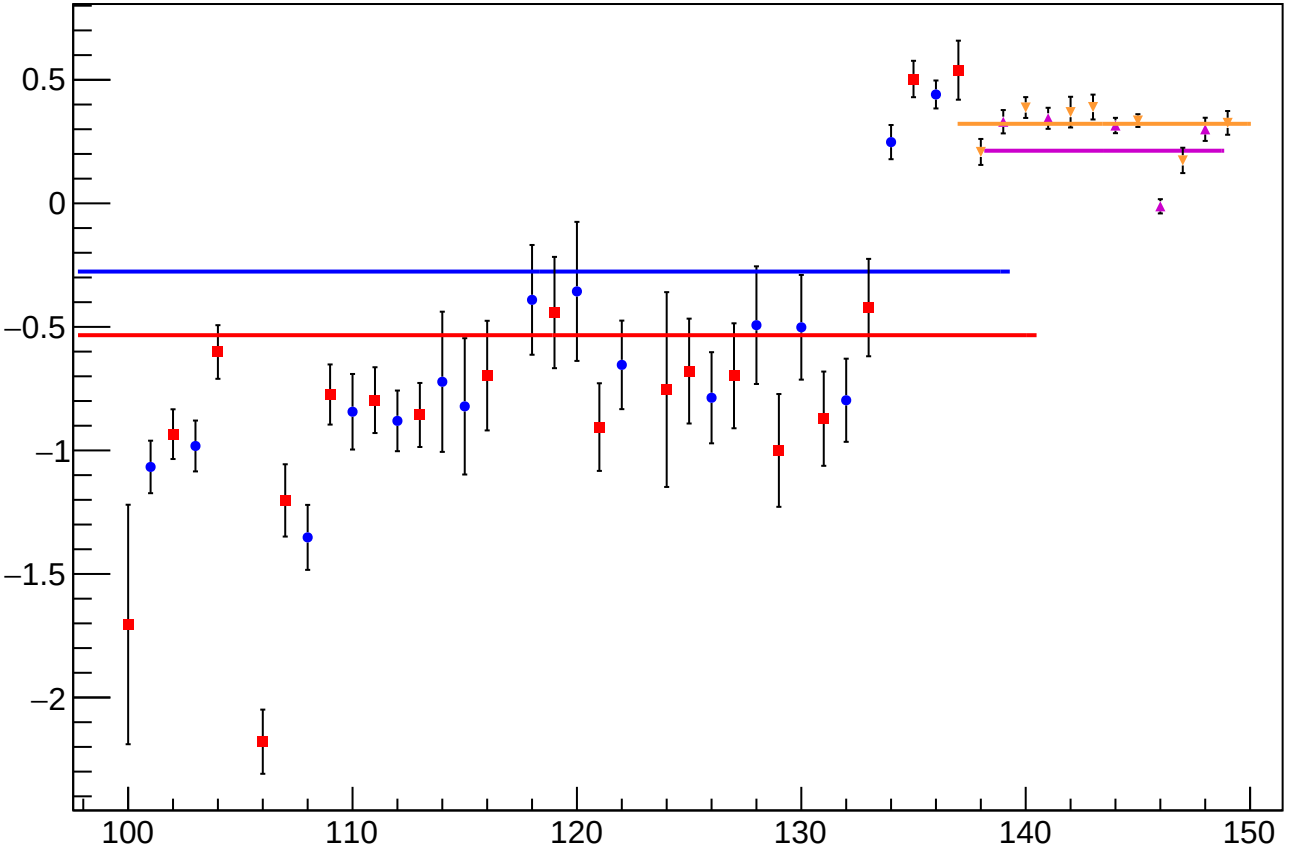
Left In: 28.549+/-0.321 χ^2/NDF:311.4/4

+ sign 25.910+/-0.286 χ^2/NDF: 1104.2/22

All: 26.894+/-0.201 χ^2/NDF: 1814.4/46

- 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: 0.322+/-0.016 χ^2/NDF:18.1/6

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

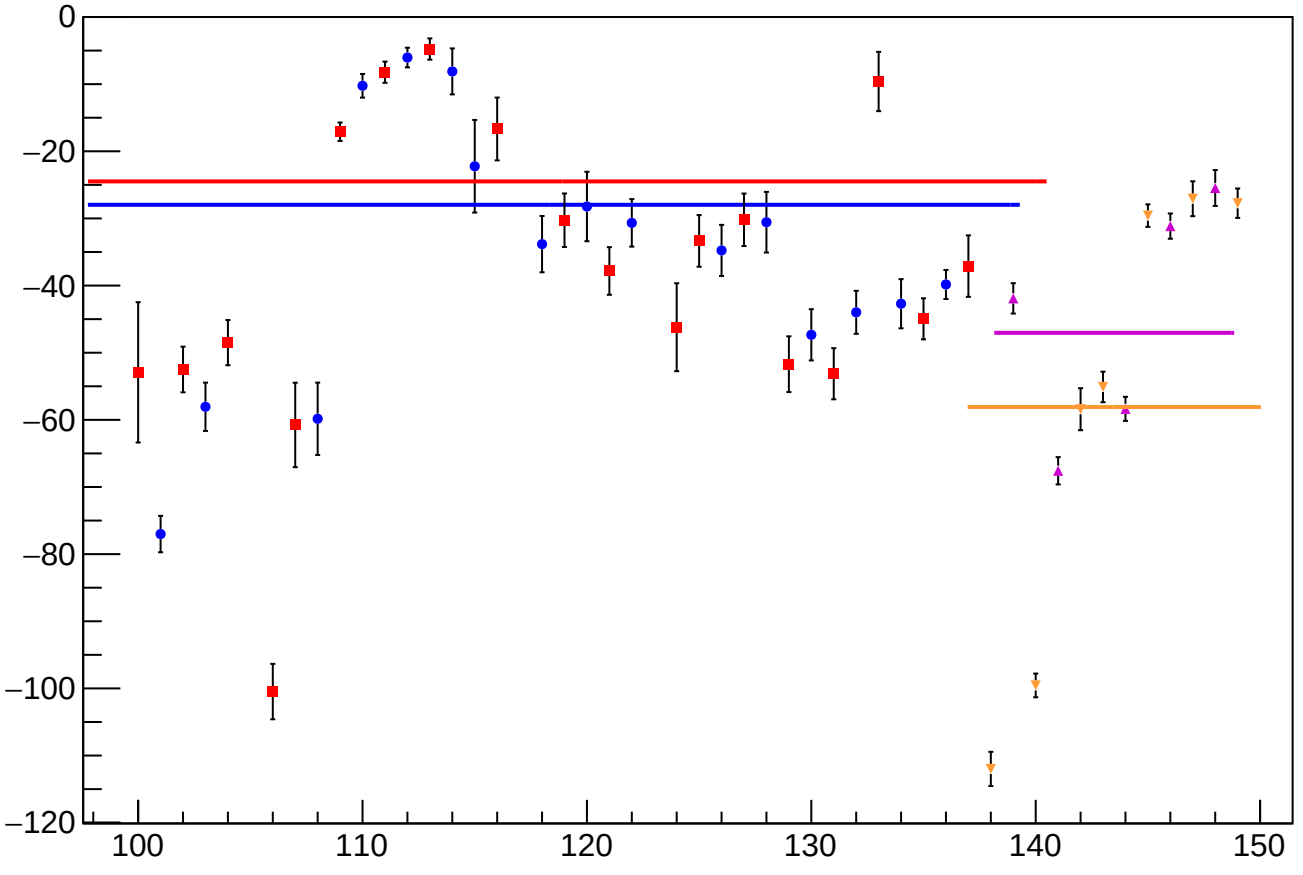
Left In: 0.213+/-0.016 χ^2/NDF:90.6/4

+ sign 0.193+/-0.014 χ^2/NDF: 772.9/22

All: 0.131+/-0.010 χ^2/NDF: 1827.3/46

- 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: -58.086+/-0.822 χ^2/NDF:1623.6/6

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

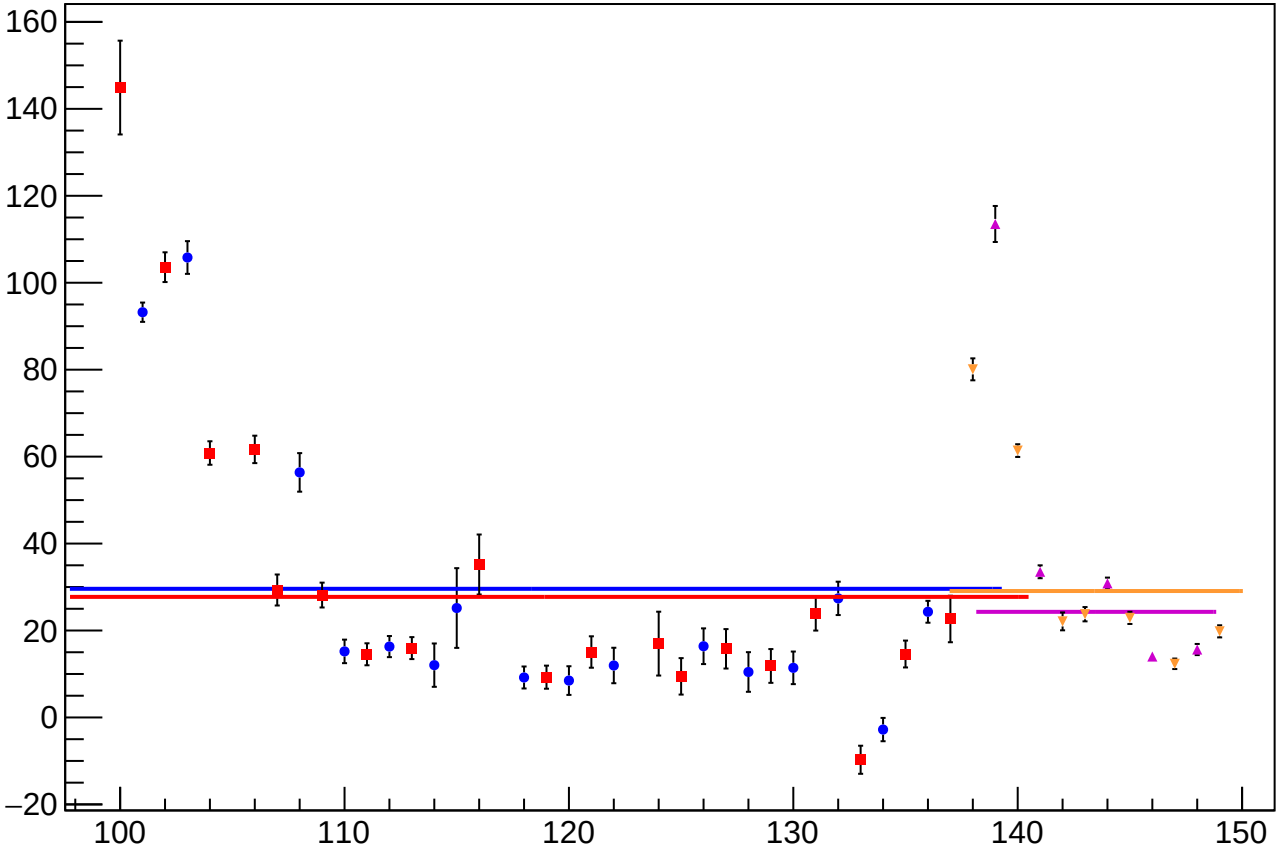
Left In: -47.040+/-0.924 χ^2/NDF:283.5/4

+ sign -41.207+/-0.545 χ^2/NDF: 3271.5/22

All: -36.625+/-0.383 χ^2/NDF: 5077.9/46

- 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: 29.084+/-0.584 χ^2/NDF:1170.7/6

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

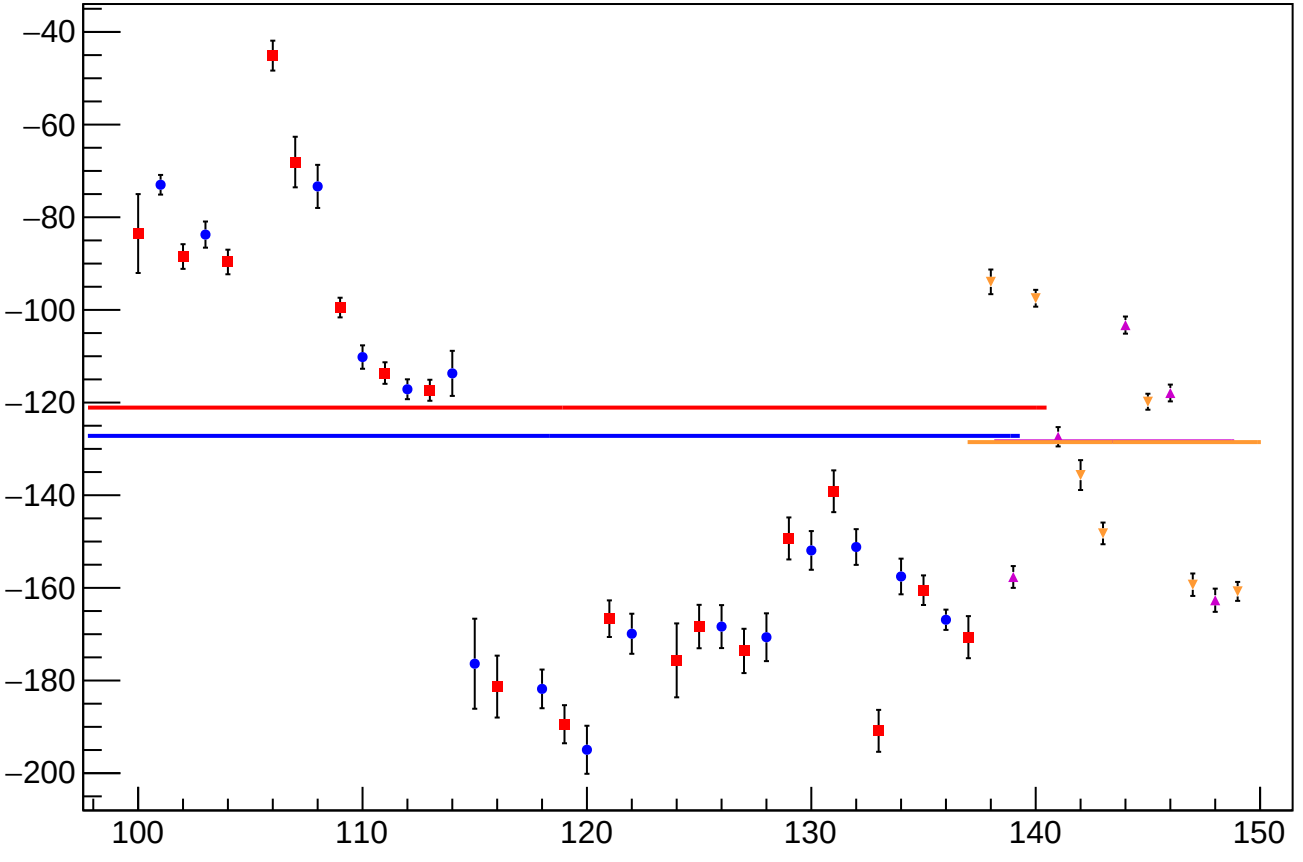
Left In: 24.294+/-0.639 χ^2/NDF:652.9/4

\+ sign 29.259+/-0.473 χ^2/NDF: 2836.7/22

All: 27.545+/-0.343 χ^2/NDF: 4713.7/46

\- 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: -128.534+/-0.825 χ^2/NDF:972.5/6

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

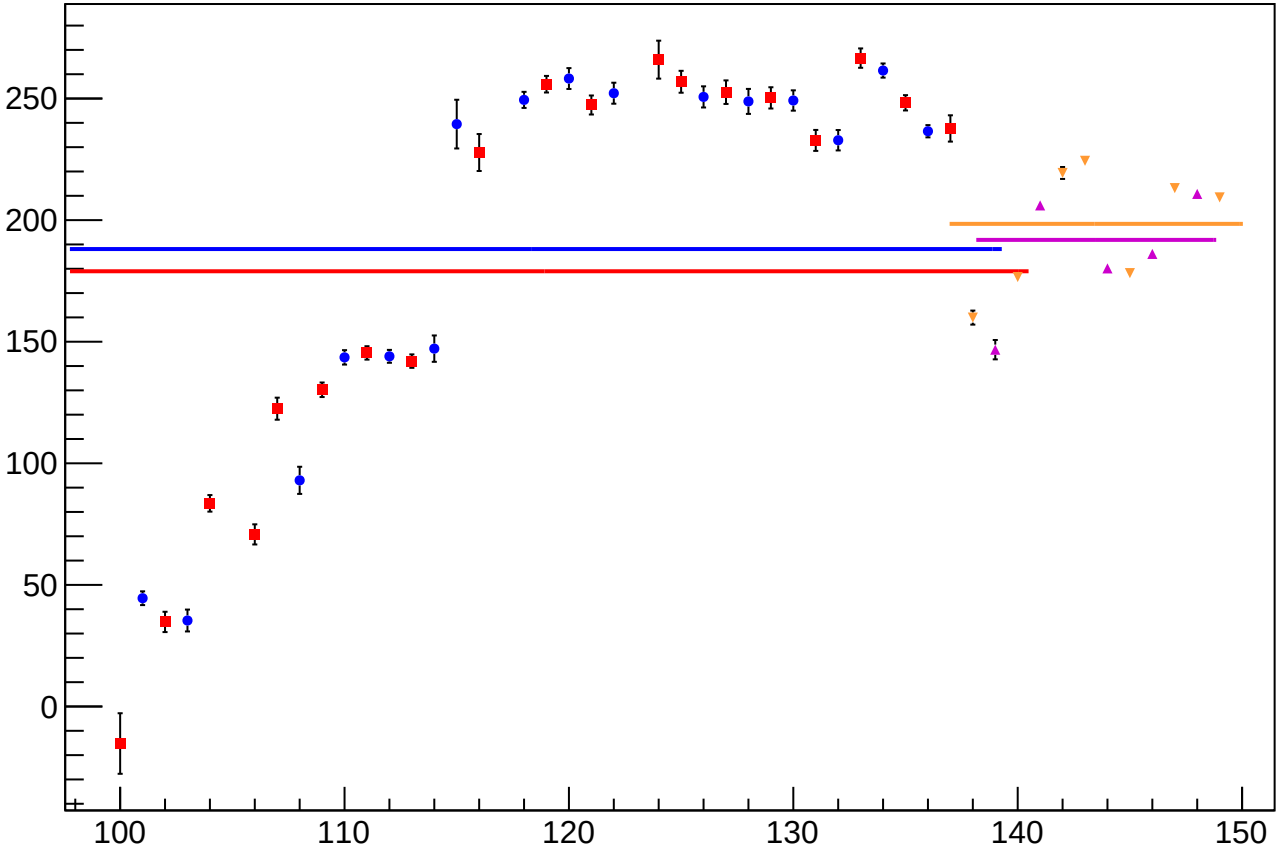
Left In: -128.369+/-0.926 χ^2/NDF:559.8/4

+ sign -127.866+/-0.585 χ^2/NDF: 3152.0/22

All: -126.088+/-0.420 χ^2/NDF: 6163.8/46

- 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: 198.464+/-0.709 χ^2/NDF:864.8/6

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

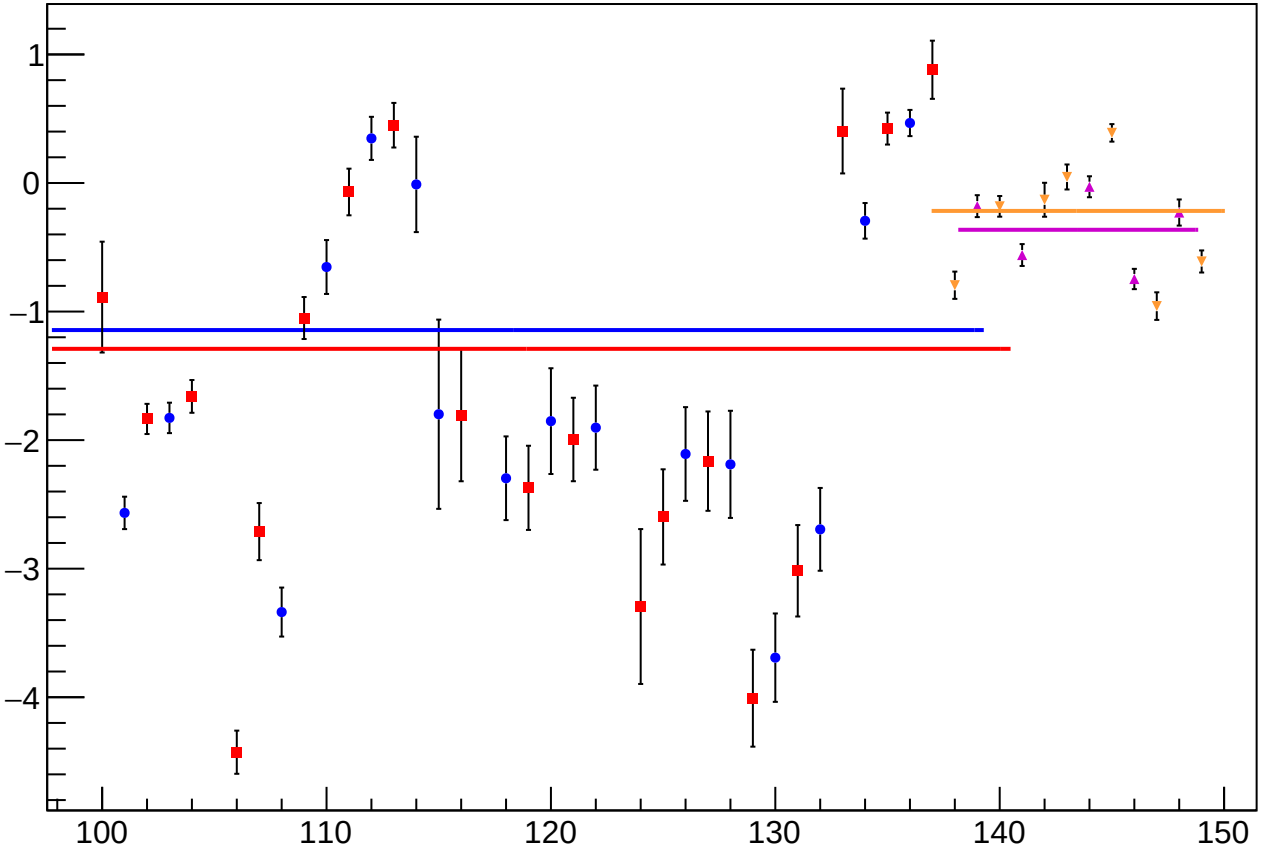
Left In: 191.876+/-0.787 χ^2/NDF:380.7/4

+ sign 194.593+/-0.561 χ^2/NDF: 8063.2/22

All: 190.705+/-0.408 χ^2/NDF: 15329.9/46

- 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: -0.217+/-0.034 χ^2/NDF:185.6/6

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

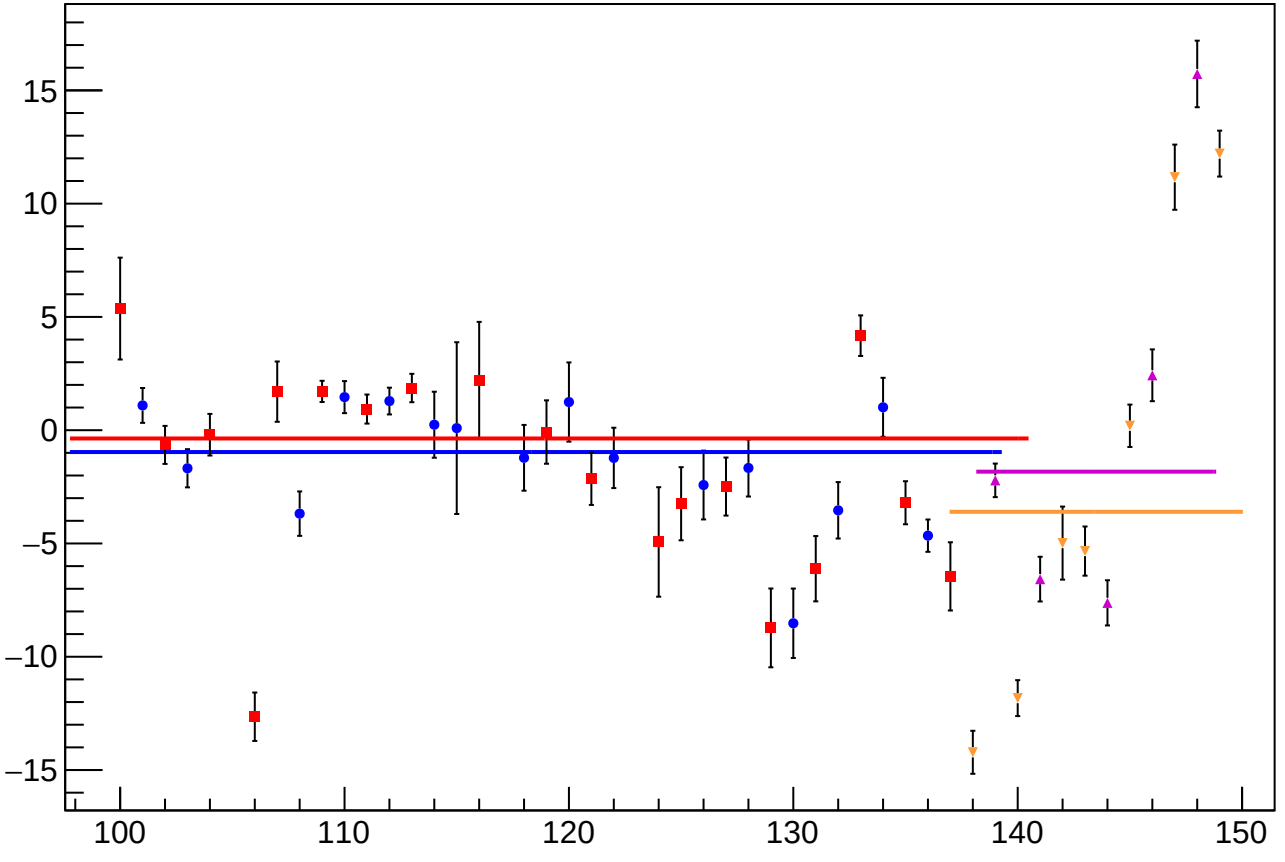
Left In: -0.364+/-0.038 χ^2/NDF:52.1/4

+ sign -0.532+/-0.028 χ^2/NDF: 1219.2/22

All: -0.624+/-0.020 χ^2/NDF: 2523.6/46

- 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: -3.601+/-0.391 χ^2/NDF:601.2/6

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

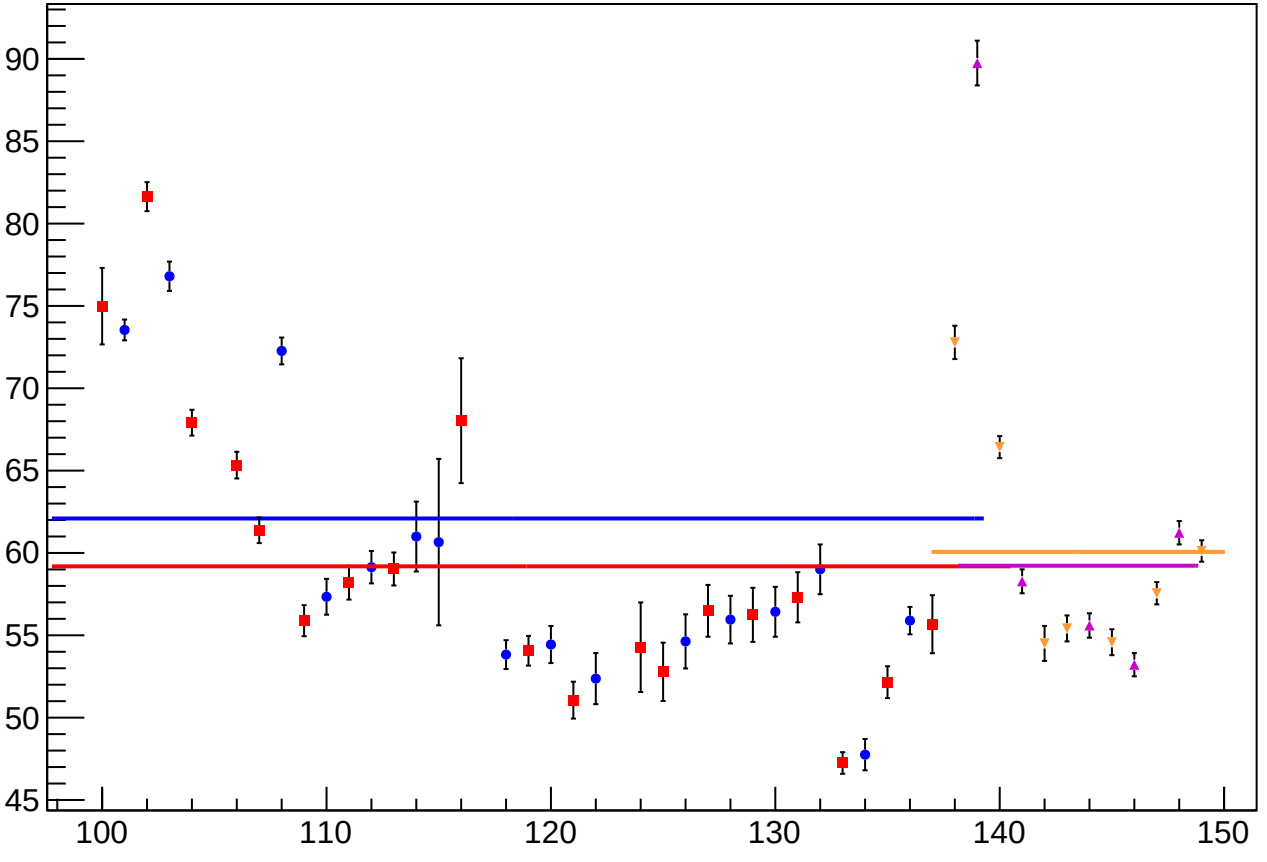
Left In: -1.831+/-0.444 χ^2/NDF:213.7/4

+ sign -1.743+/-0.213 χ^2/NDF: 736.5/22

All: -1.169+/-0.146 χ^2/NDF: 1253.2/46

- 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: 60.065+/-0.290 χ^2/NDF:372.7/6

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

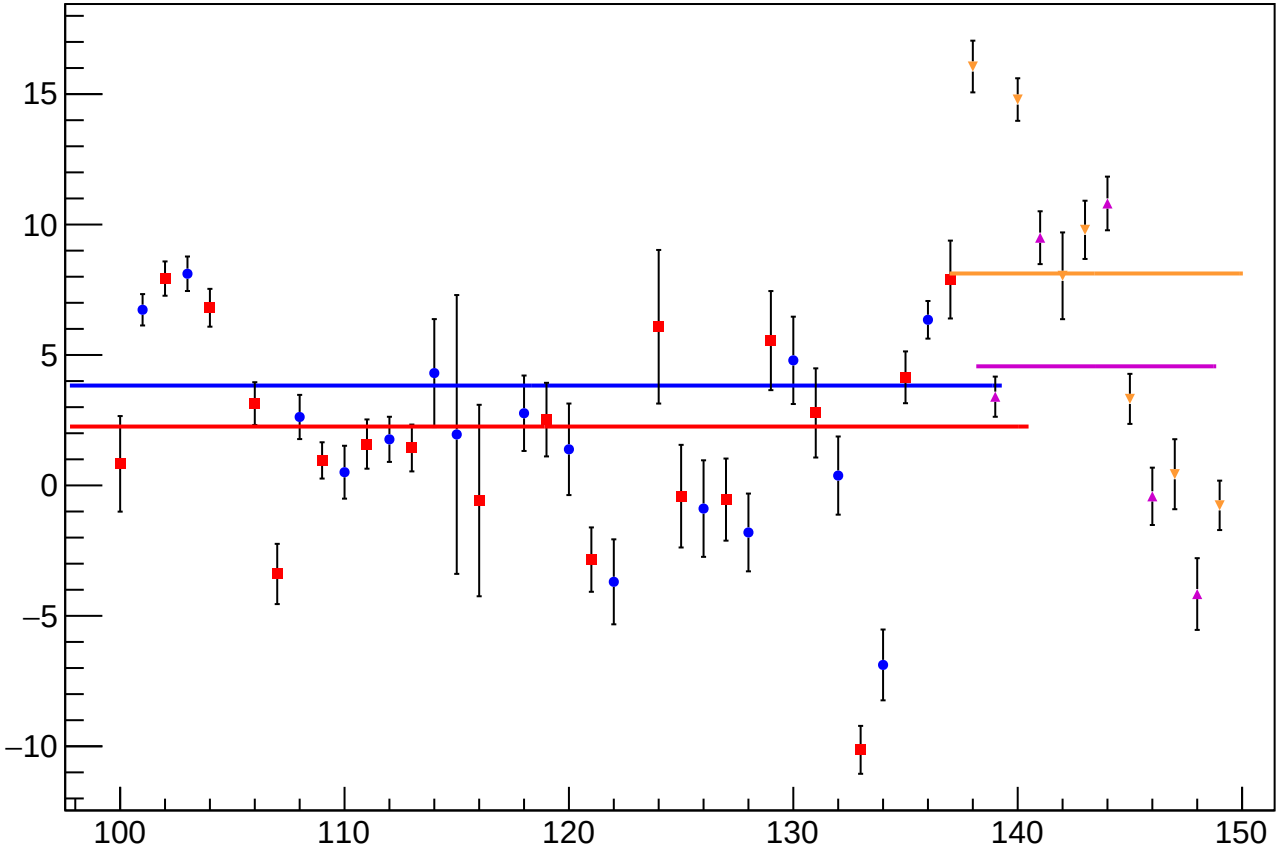
Left In: 59.225+/-0.348 χ^2/NDF:610.7/4

+ sign 61.170+/-0.196 χ^2/NDF: 1700.6/22

All: 60.205+/-0.140 χ^2/NDF: 3763.0/46

- 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: 8.124+/-0.394 χ^2/NDF:279.2/6

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

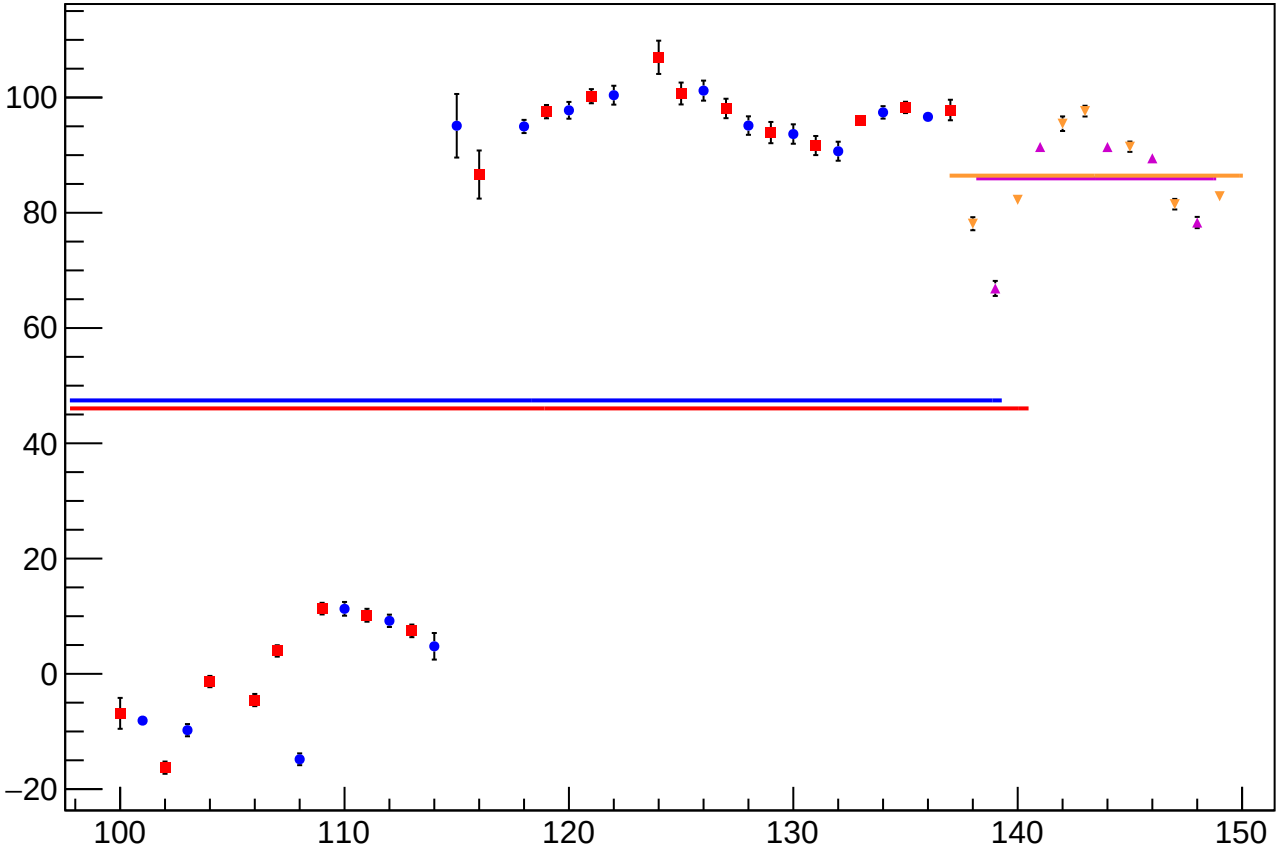
Left In: 4.565+/-0.449 χ^2/NDF:123.7/4

+ sign 5.168+/-0.220 χ^2/NDF: 569.6/22

All: 3.958+/-0.154 χ^2/NDF: 1144.9/46

- 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: 86.442+/-0.349 χ^2/NDF:358.2/6

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

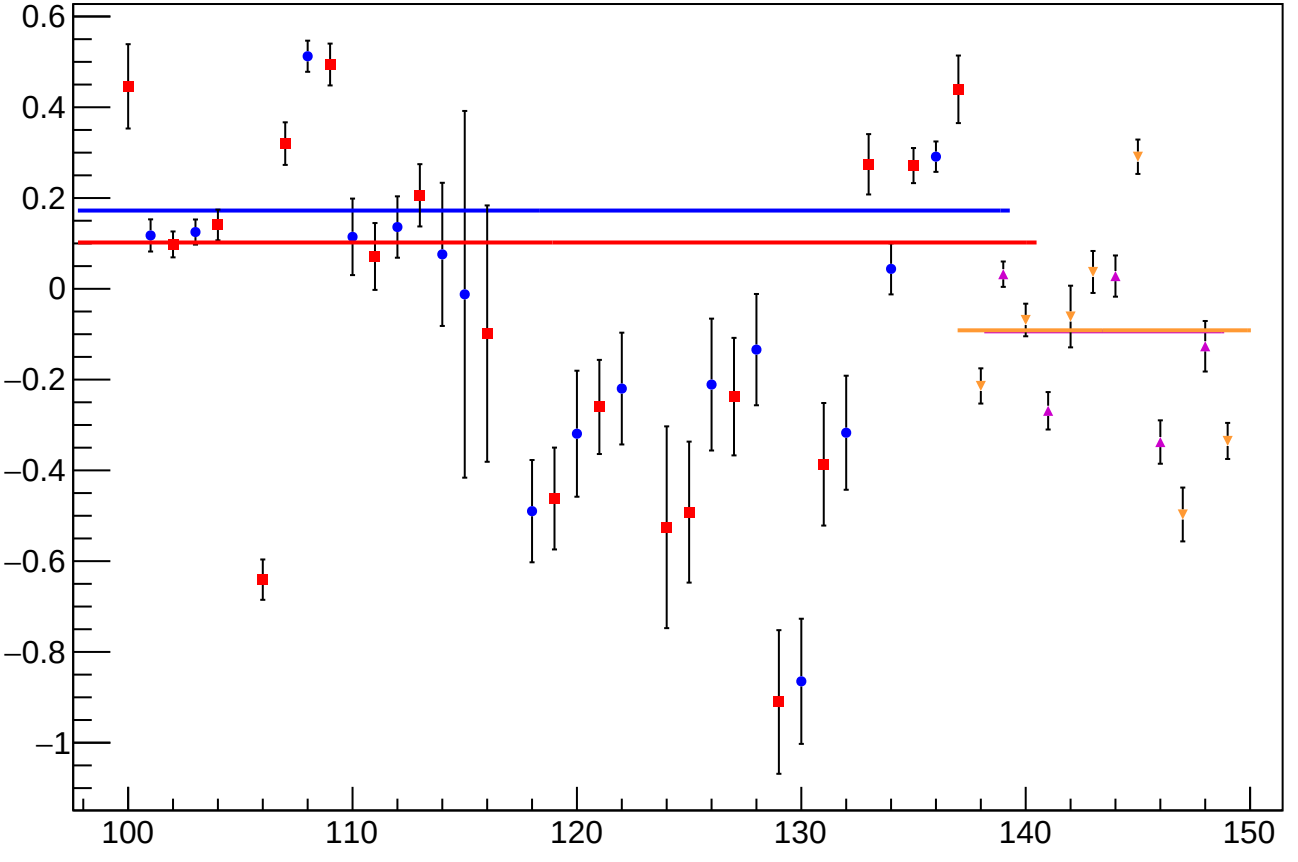
Left In: 85.970+/-0.421 χ^2/NDF:370.9/4

+ sign 64.499+/-0.231 χ^2/NDF: 34254.2/22

All: 61.592+/-0.165 χ^2/NDF: 70021.1/46

- 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: -0.091+/-0.016 χ^2/NDF:204.7/6

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

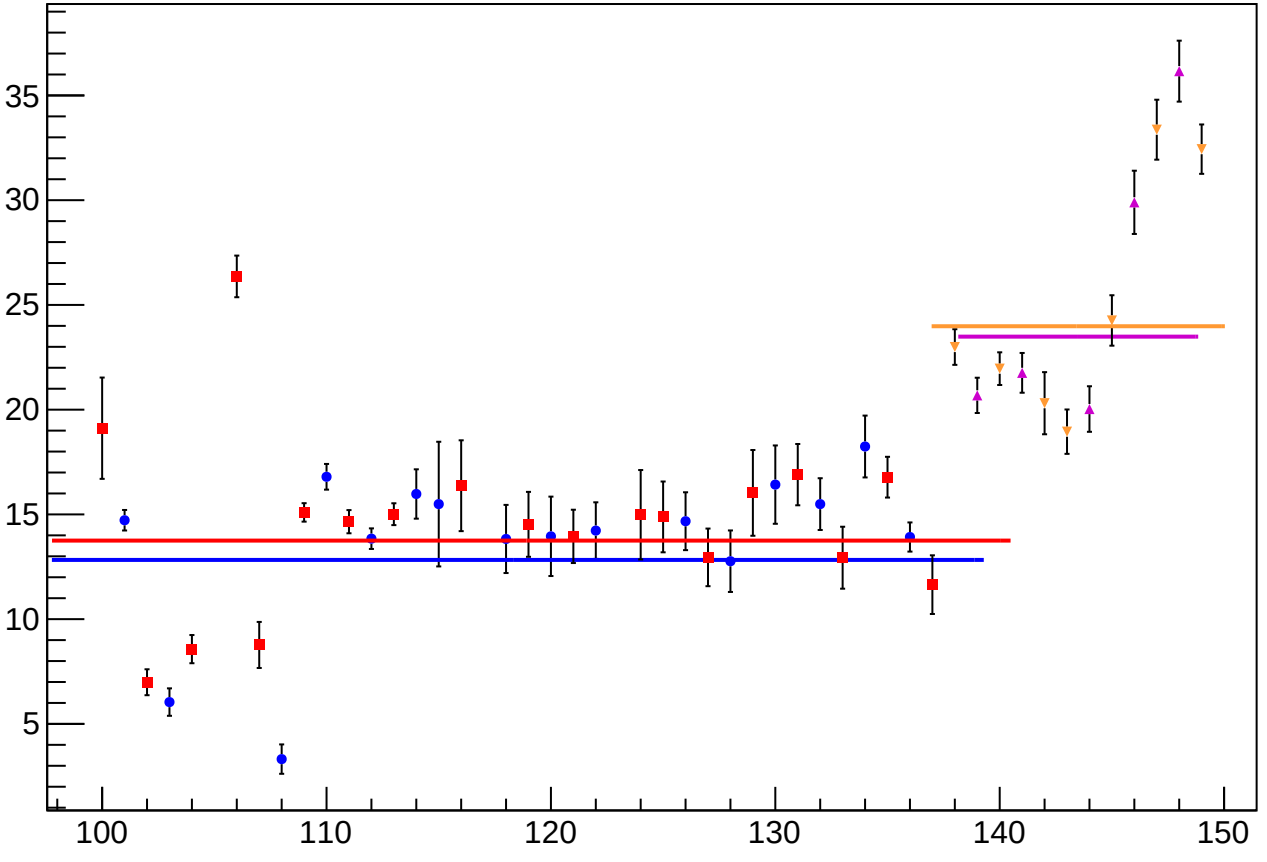
Left In: -0.094+/-0.018 χ^2/NDF:71.9/4

+ sign 0.059+/-0.011 χ^2/NDF: 618.6/22

All: 0.046+/-0.008 χ^2/NDF: 1328.8/46

- 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: 23.982+/-0.399 χ^2/NDF:131.3/6

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

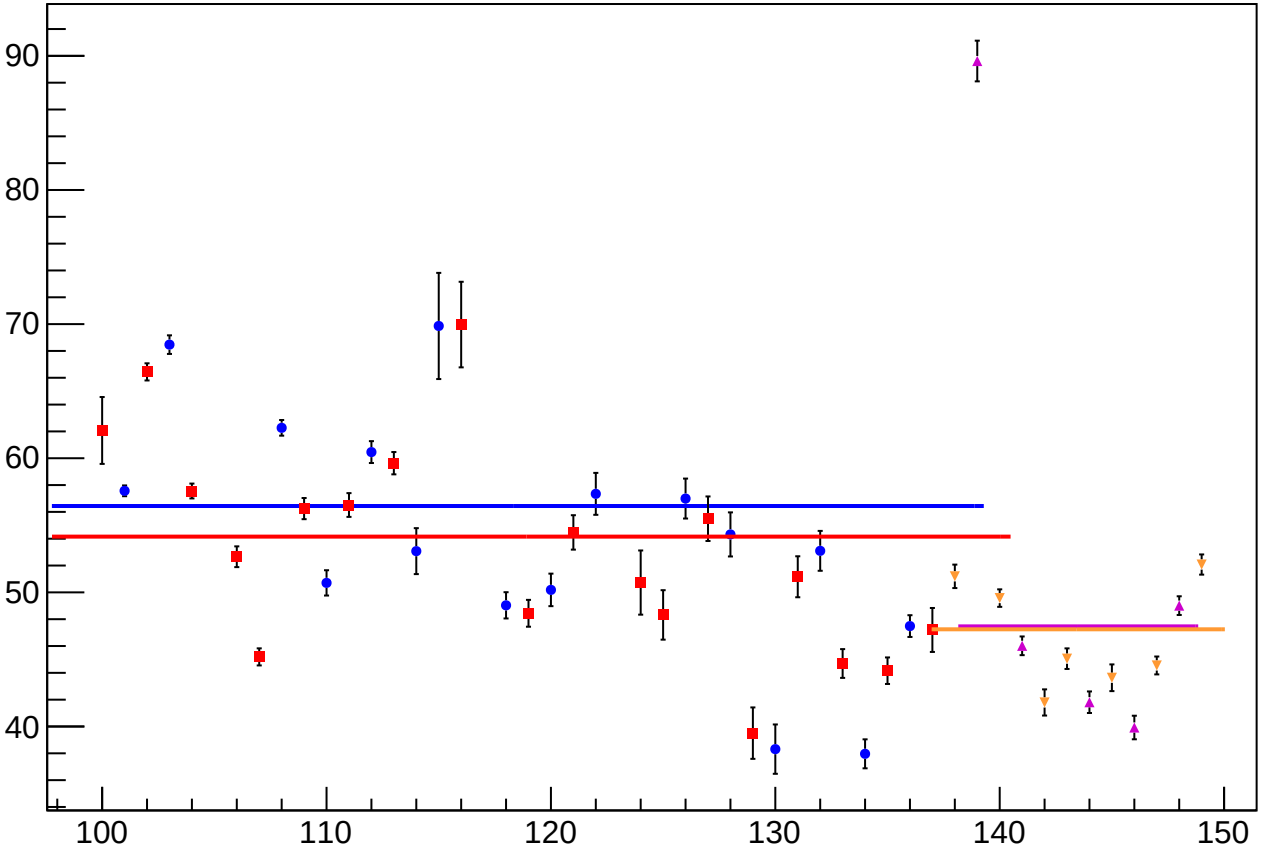
Left In: 23.486+/-0.483 χ^2/NDF:118.4/4

+ sign 15.317+/-0.189 χ^2/NDF: 1125.5/22

All: 15.270+/-0.133 χ^2/NDF: 1992.1/46

- 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: 47.246+/-0.296 χ^2/NDF:143.2/6

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

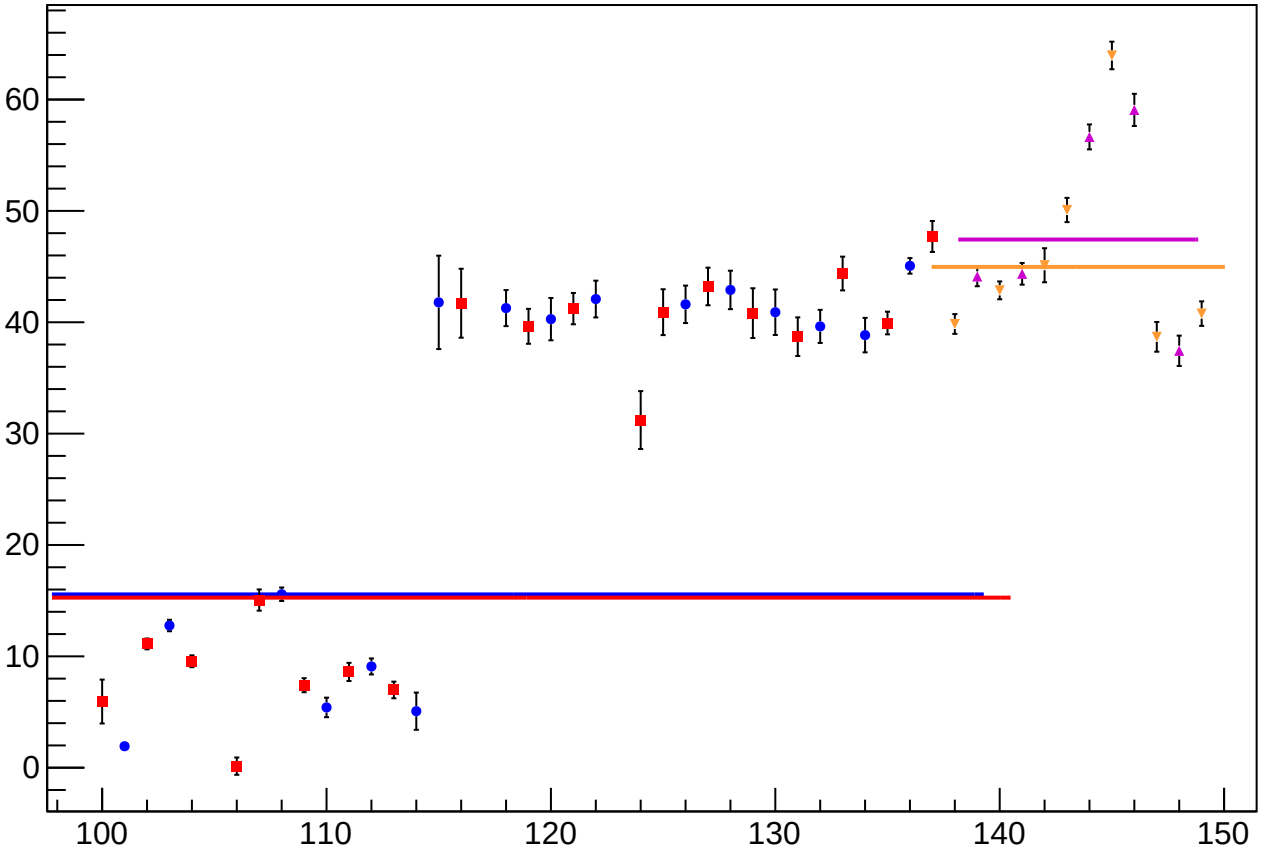
Left In: 47.464+/-0.368 χ^2/NDF:904.3/4

+ sign 53.129+/-0.177 χ^2/NDF: 1849.4/22

All: 52.764+/-0.130 χ^2/NDF: 4010.8/46

- 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: 44.970+/-0.404 χ^2/NDF:334.0/6

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

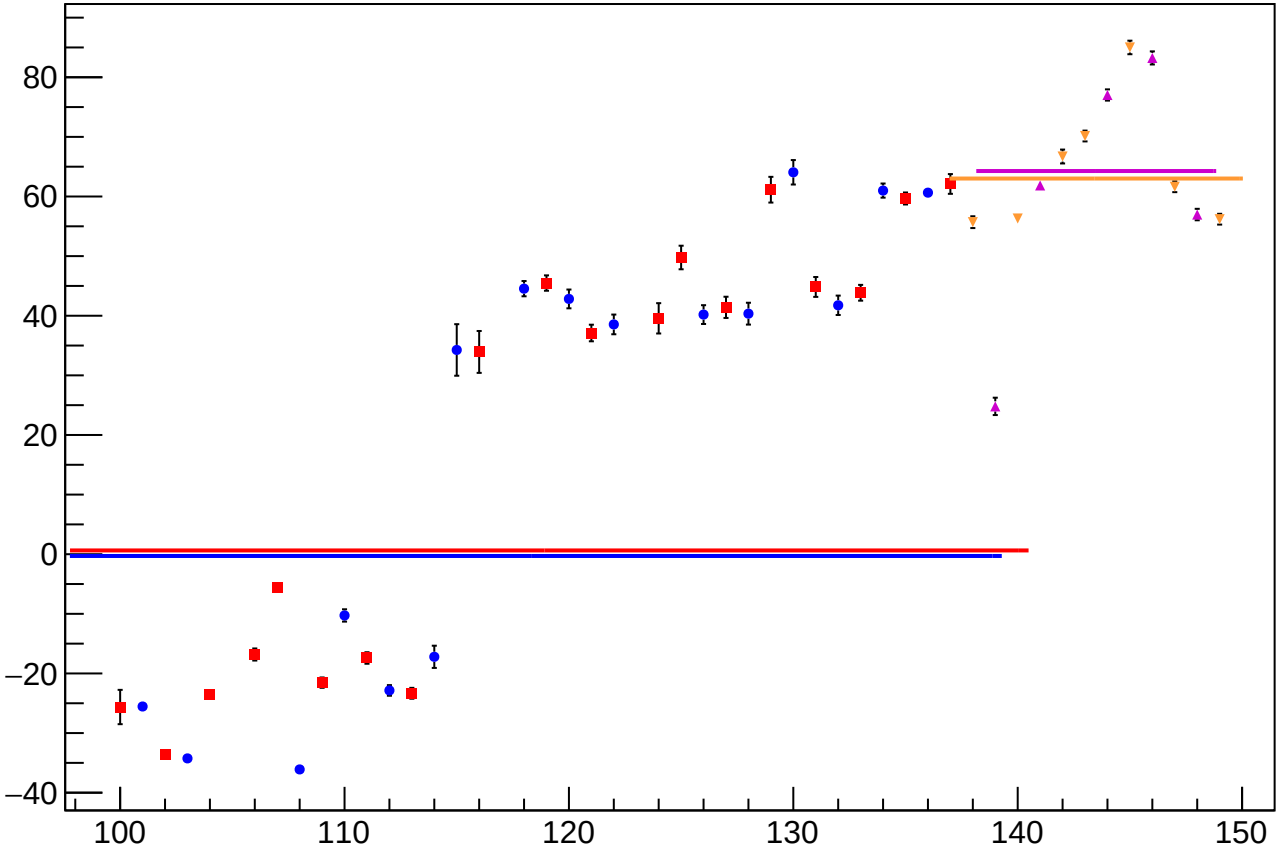
Left In: 47.429+/-0.490 χ^2/NDF:210.9/4

+ sign 22.008+/-0.189 χ^2/NDF: 9650.4/22

All: 21.361+/-0.137 χ^2/NDF: 17351.9/46

- 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: 63.014+/-0.358 χ^2/NDF:633.4/6

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

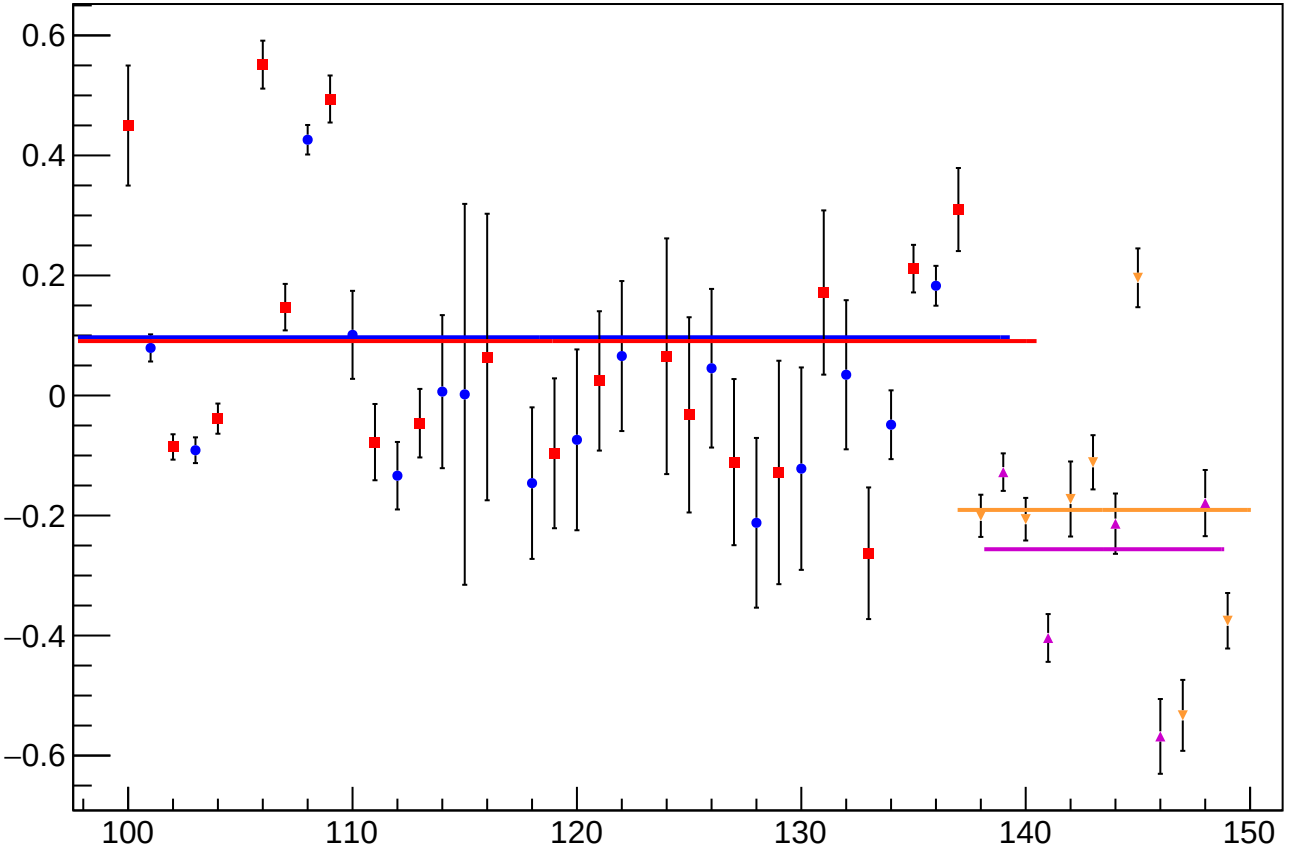
Left In: 64.273+/-0.449 χ^2/NDF:1283.2/4

\+ sign 21.738+/-0.211 χ^2/NDF: 42079.7/22

All: 19.526+/-0.155 χ^2/NDF: 74581.3/46

\- 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: -0.191+/-0.017 χ^2/NDF:115.2/6

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

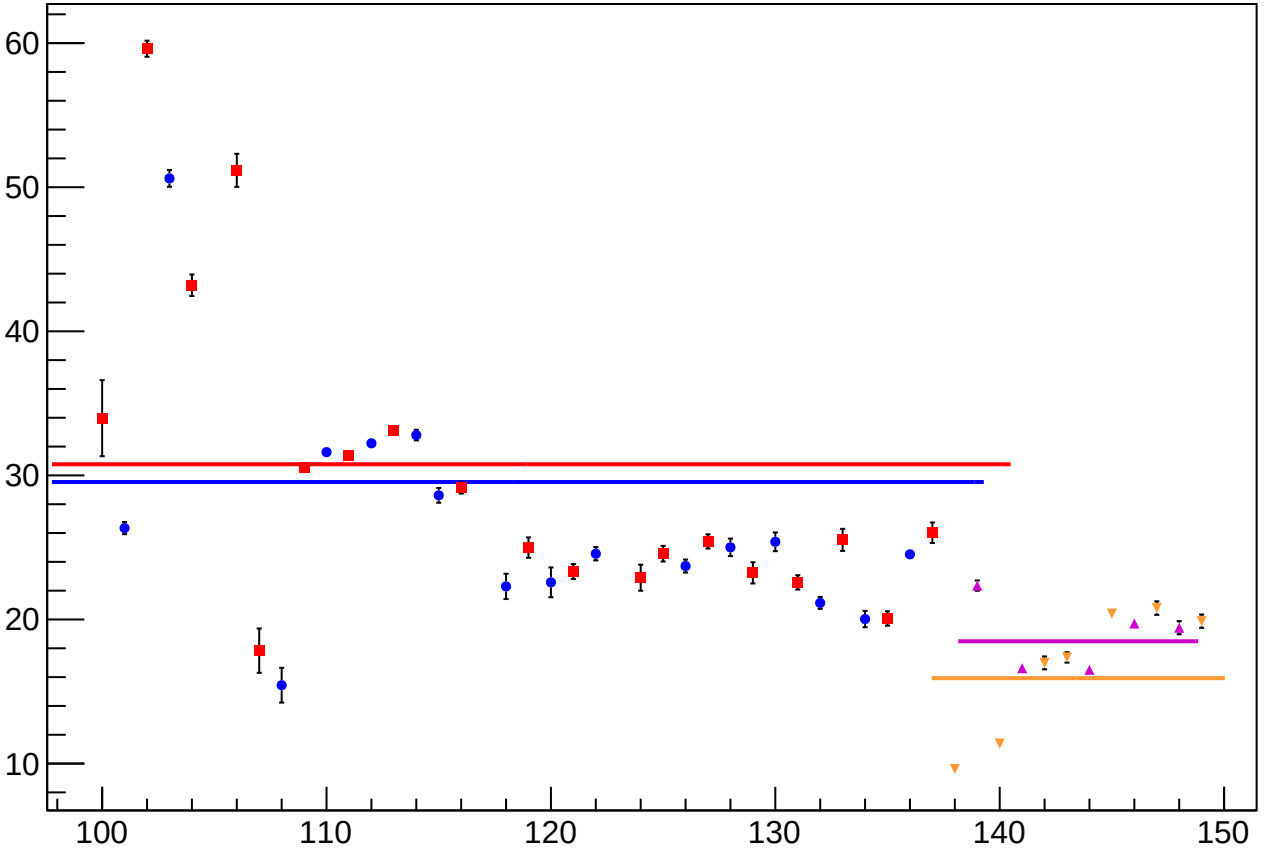
Left In: -0.256+/-0.019 χ^2/NDF:58.4/4

+ sign 0.009+/-0.009 χ^2/NDF: 616.2/22

All: 0.006+/-0.007 χ^2/NDF: 1310.6/46

- 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: 15.927+/-0.132 χ^2/NDF:1107.4/6

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

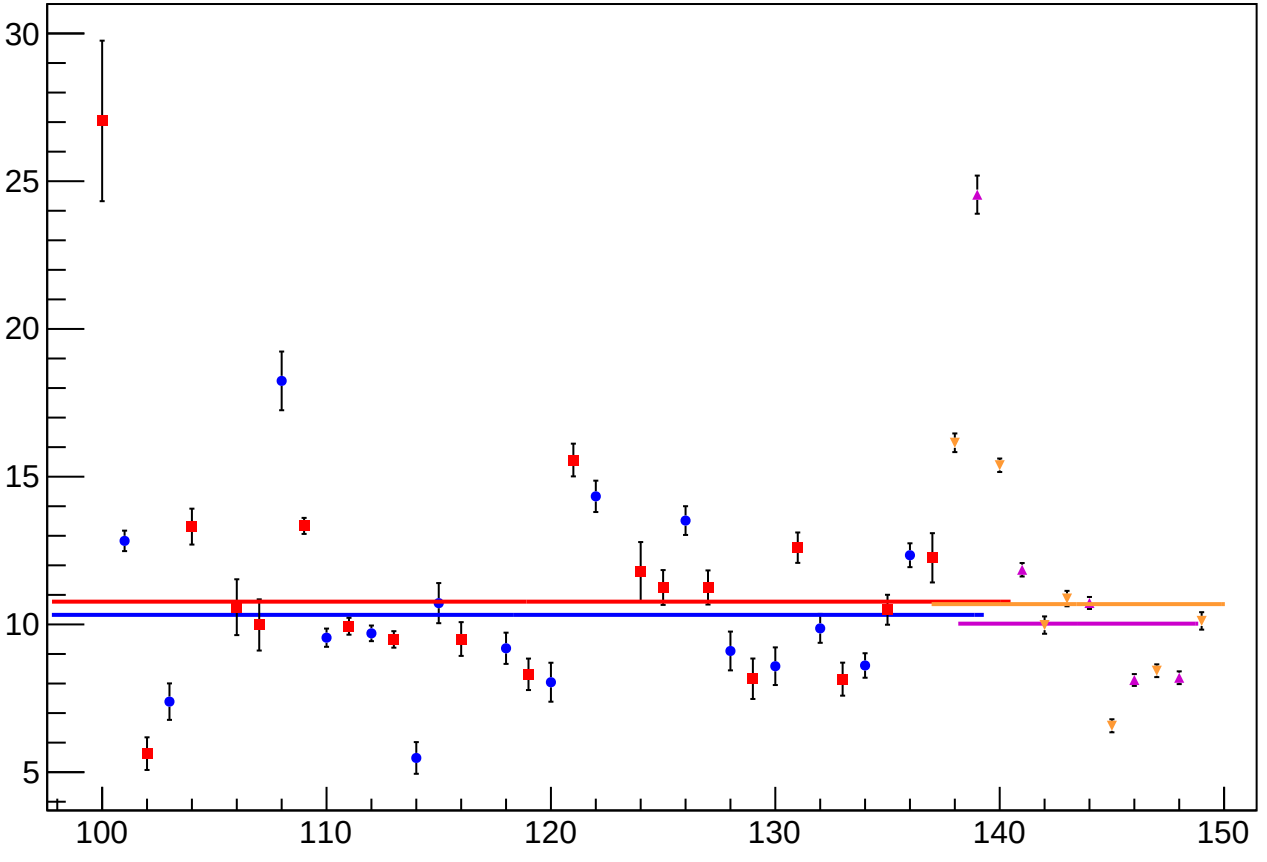
Left In: 18.488+/-0.150 χ^2/NDF:220.8/4

+ sign 25.087+/-0.075 χ^2/NDF: 11652.7/22

All: 26.666+/-0.052 χ^2/NDF: 22974.5/46

- 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: 10.688+/-0.096 χ^2/NDF:1190.0/6

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

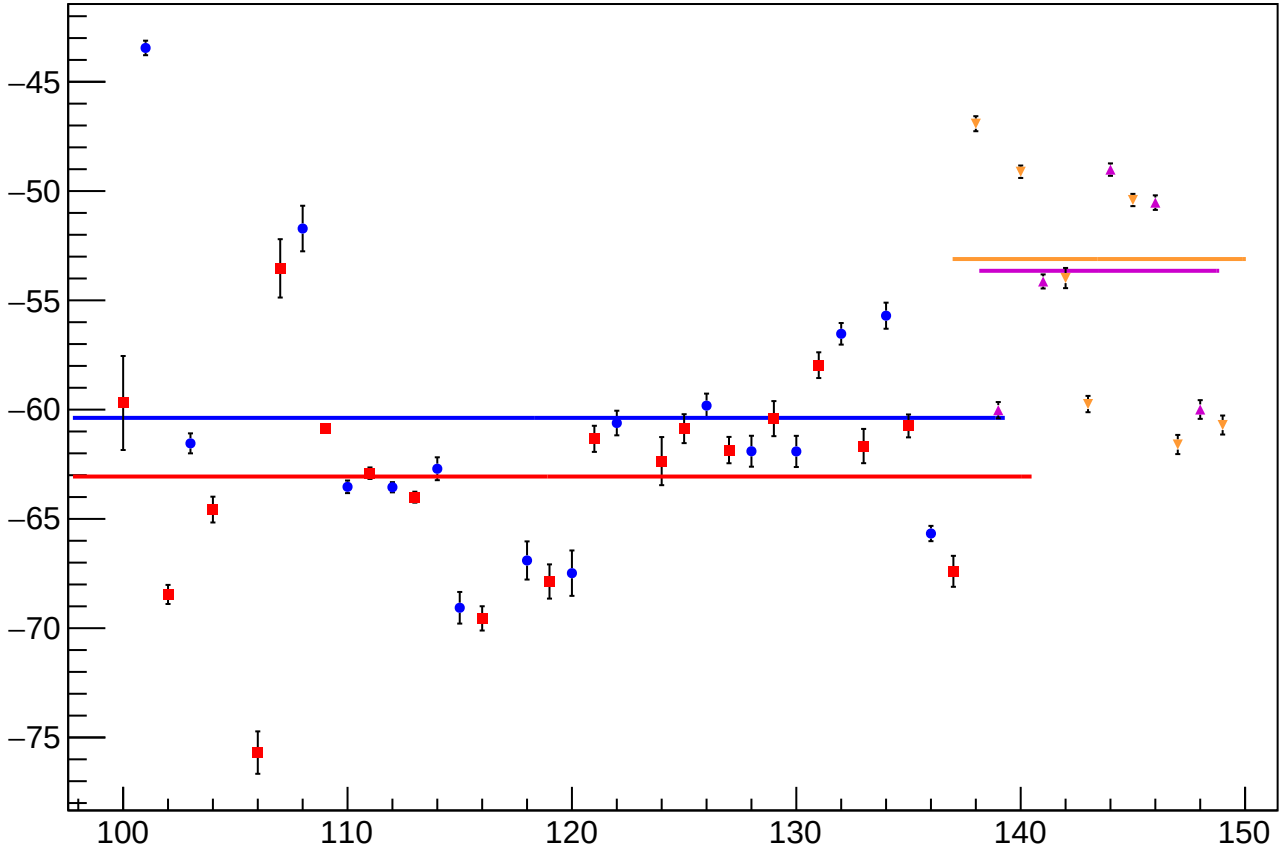
Left In: 10.026+/-0.104 χ^2/NDF:744.1/4

+ sign 10.537+/-0.073 χ^2/NDF: 1598.6/22

All: 10.456+/-0.053 χ^2/NDF: 2784.5/46

- 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: -53.110+/-0.134 χ^2/NDF:1612.6/6

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

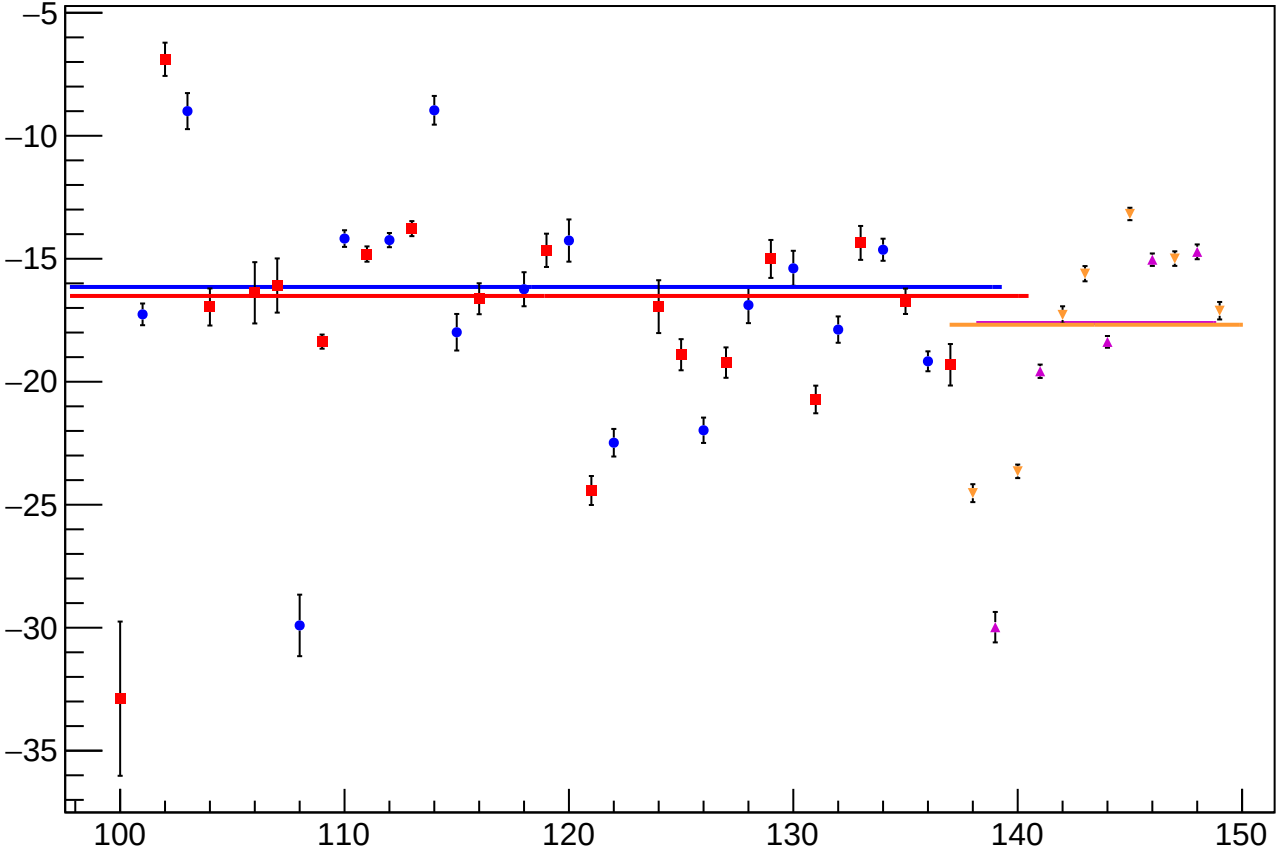
Left In: -53.648+/-0.151 χ^2/NDF:868.4/4

+ sign -57.352+/-0.086 χ^2/NDF: 6932.0/22

All: -58.615+/-0.061 χ^2/NDF: 11655.1/46

- 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: -17.683+/-0.116 χ^2/NDF:1271.5/6

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

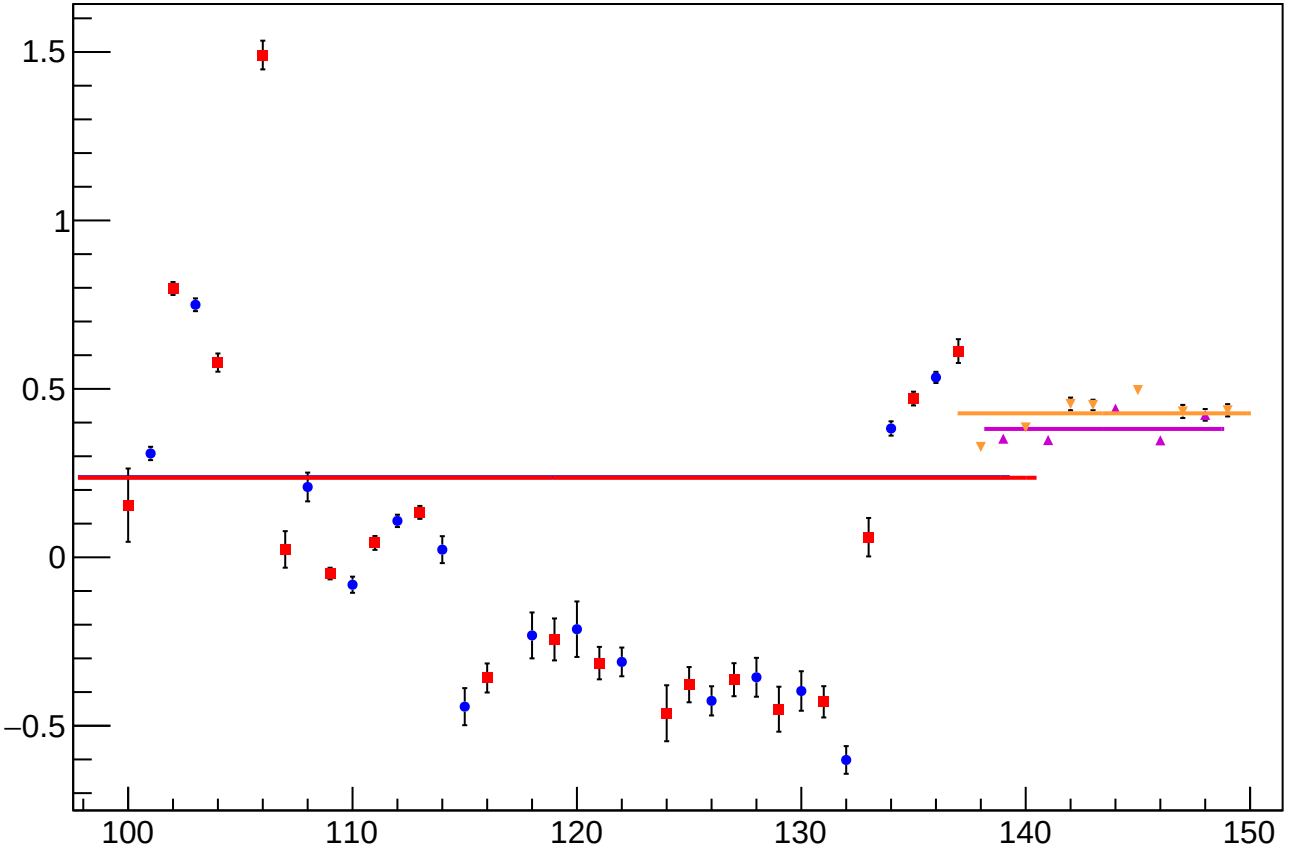
Left In: -17.614+/-0.129 χ^2/NDF:657.0/4

+ sign -16.985+/-0.086 χ^2/NDF: 2148.1/22

All: -17.014+/-0.062 χ^2/NDF: 3527.8/46

- 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: 0.427+/-0.006 χ^2/NDF:106.0/6

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

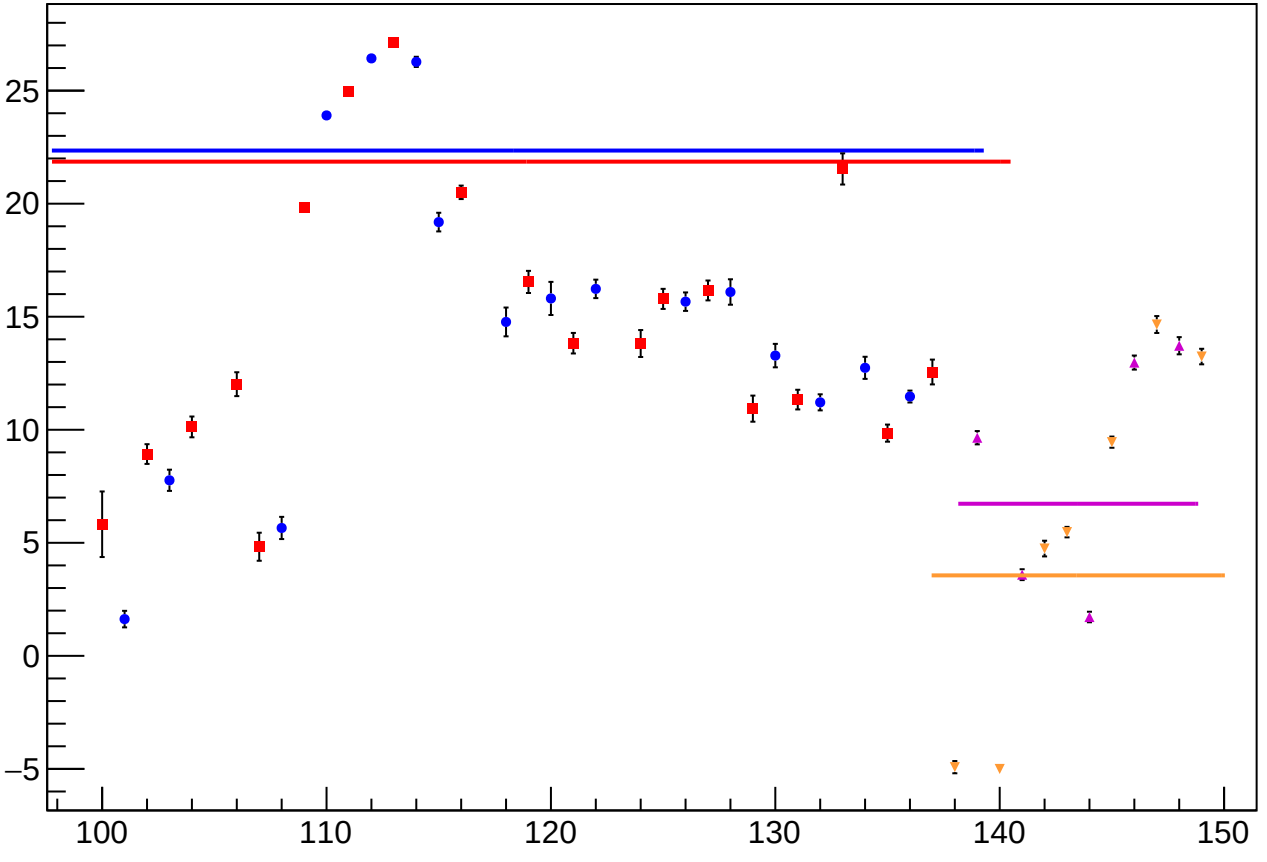
Left In: 0.381+/-0.006 χ^2/NDF:45.0/4

+ sign 0.354+/-0.004 χ^2/NDF: 3182.3/22

All: 0.337+/-0.003 χ^2/NDF: 7090.4/46

- 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: 3.559+/-0.103 χ^2/NDF:4898.0/6

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

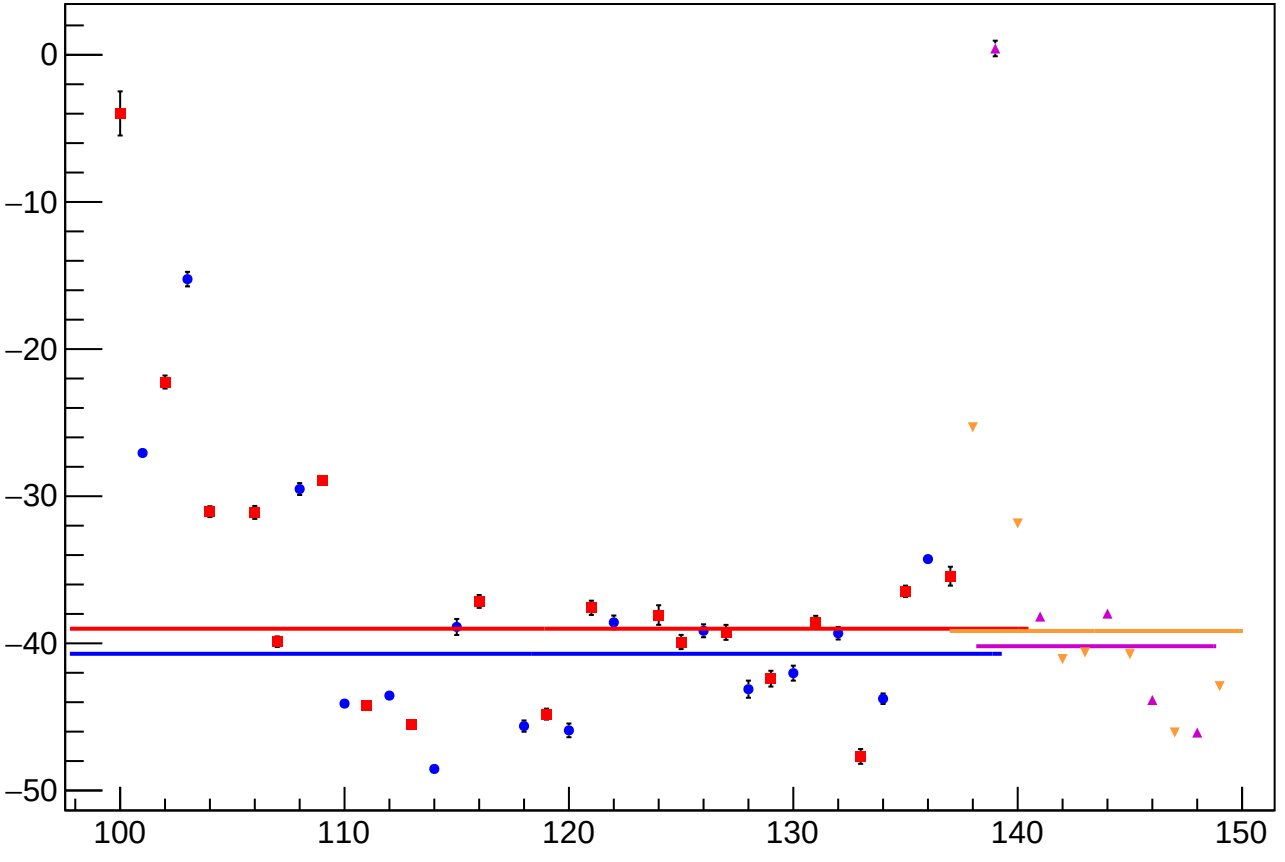
Left In: 6.727+/-0.125 χ^2/NDF:1469.6/4

\+ sign 17.999+/-0.050 χ^2/NDF: 42797.0/22

All: 19.146+/-0.033 χ^2/NDF: 68860.9/46

\- 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: -39.158+/-0.075 χ^2/NDF:6594.4/6

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

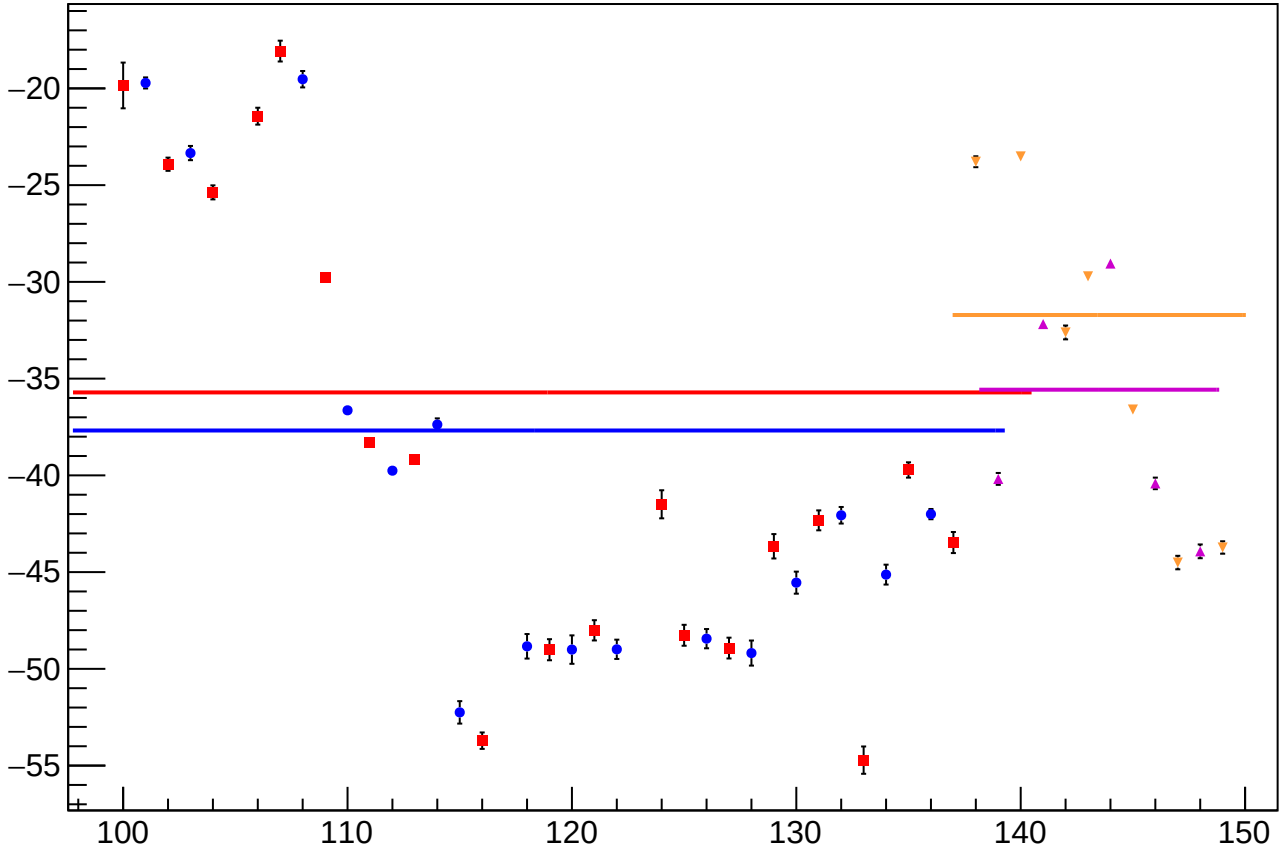
Left In: -40.195+/-0.088 χ^2/NDF:7591.7/4

+ sign -39.914+/-0.053 χ^2/NDF: 14585.4/22

All: -39.702+/-0.038 χ^2/NDF: 32421.9/46

- 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: -31.712+/-0.104 χ^2/NDF:5358.6/6

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

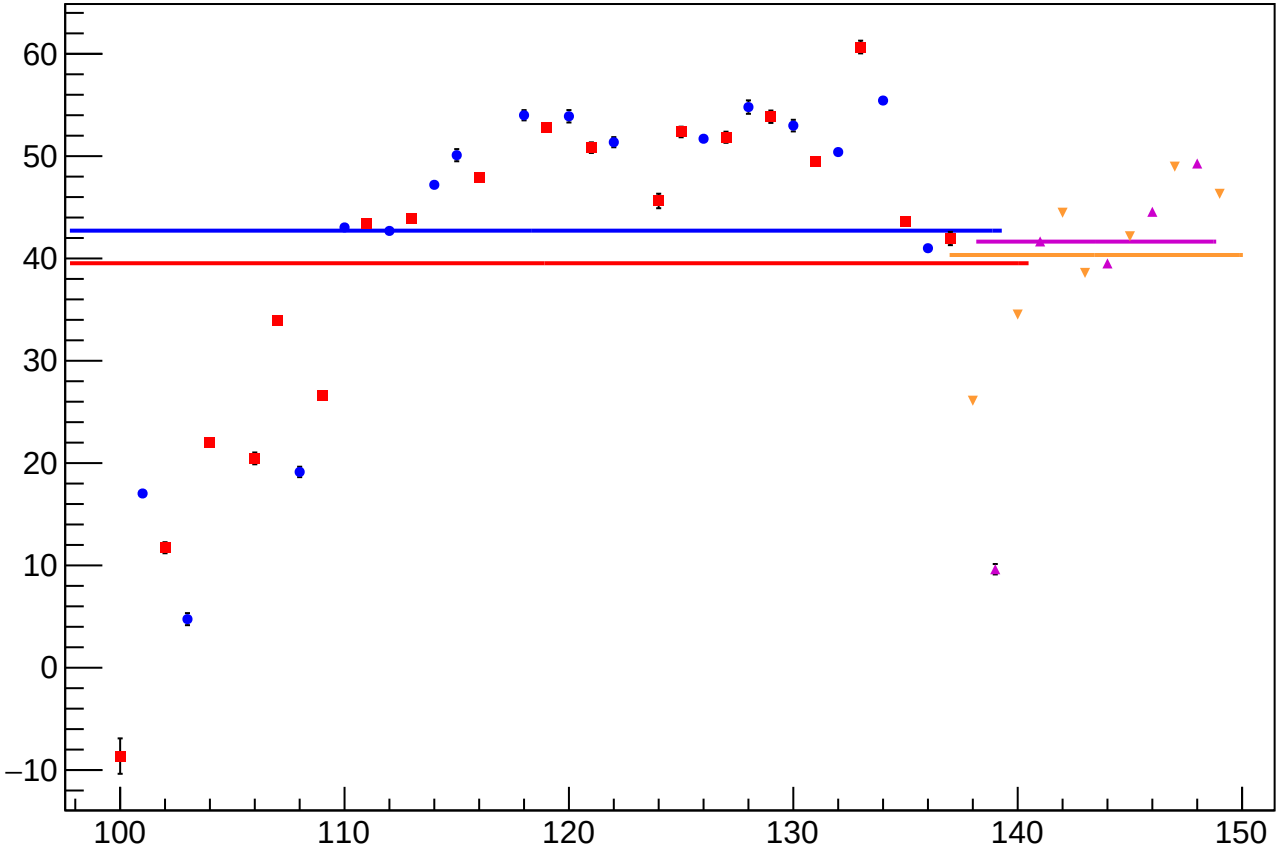
Left In: -35.572+/-0.126 χ^2/NDF:1963.1/4

+ sign -35.694+/-0.060 χ^2/NDF: 18393.5/22

All: -35.689+/-0.041 χ^2/NDF: 33632.1/46

- 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: 40.339+/-0.090 χ^2/NDF:5202.1/6

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

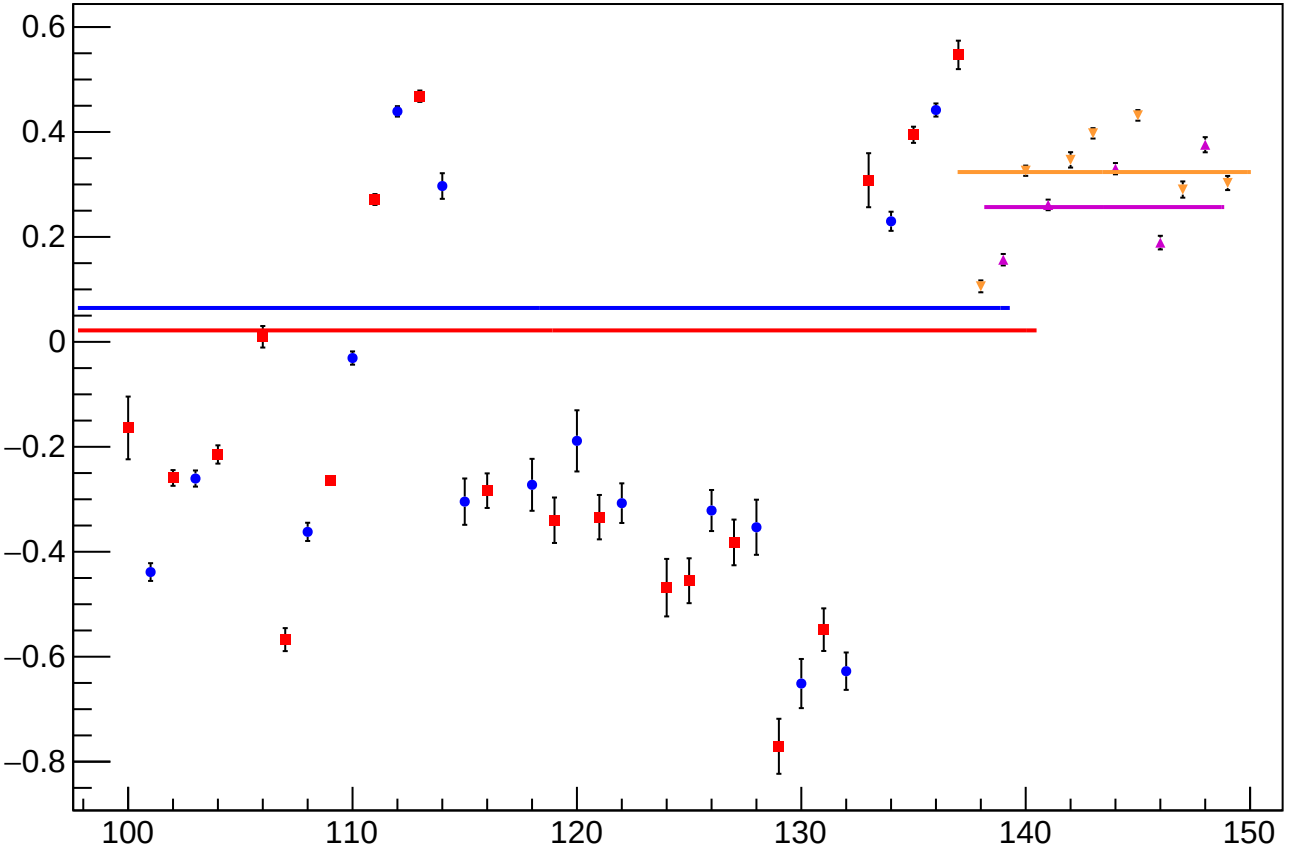
Left In: 41.647+/-0.108 χ^2/NDF:5152.6/4

+ sign 41.599+/-0.062 χ^2/NDF: 20335.0/22

All: 40.945+/-0.044 χ^2/NDF: 43946.0/46

- 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: 0.324+/-0.004 χ^2/NDF:545.9/6

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

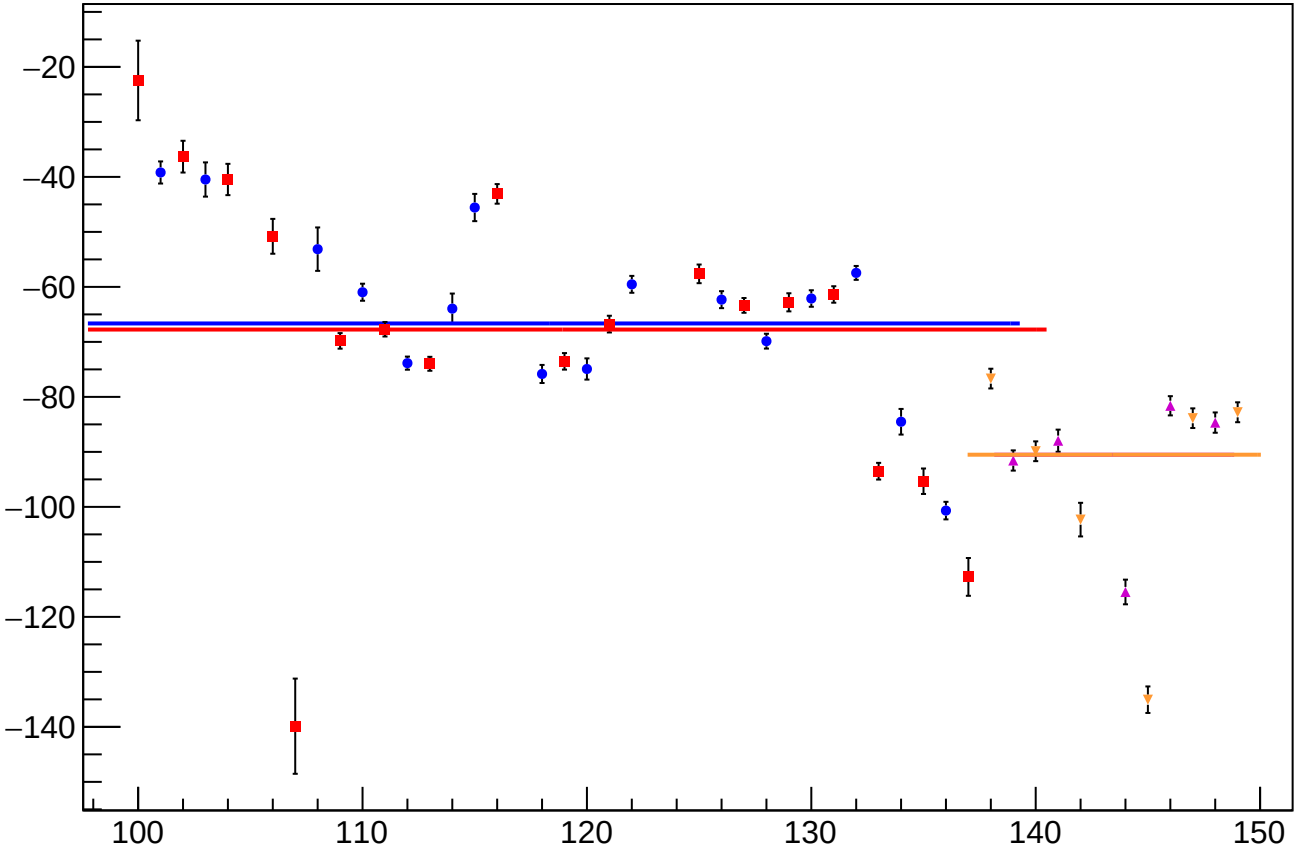
Left In: 0.257+/-0.005 χ^2/NDF:225.6/4

+ sign 0.207+/-0.003 χ^2/NDF: 7621.9/22

All: 0.165+/-0.002 χ^2/NDF: 15806.3/46

- 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: -90.512+/-0.812 χ^2/NDF:447.9/5

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

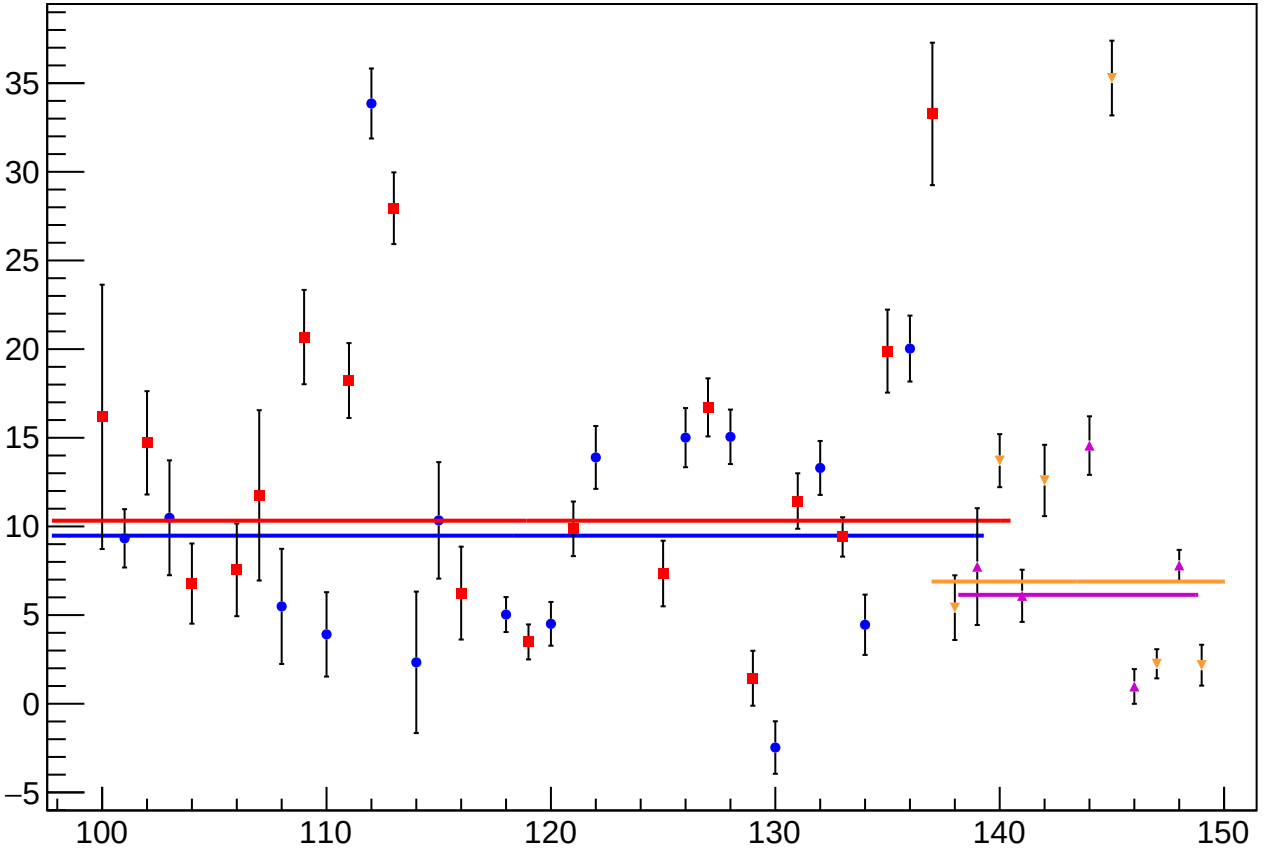
Left In: -90.524+/-0.857 χ^2/NDF:161.7/4

+ sign -71.802+/-0.377 χ^2/NDF: 2177.7/21

All: -71.980+/-0.267 χ^2/NDF: 4164.9/44

- 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: 6.891+/-0.538 χ^2/NDF:259.4/5

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

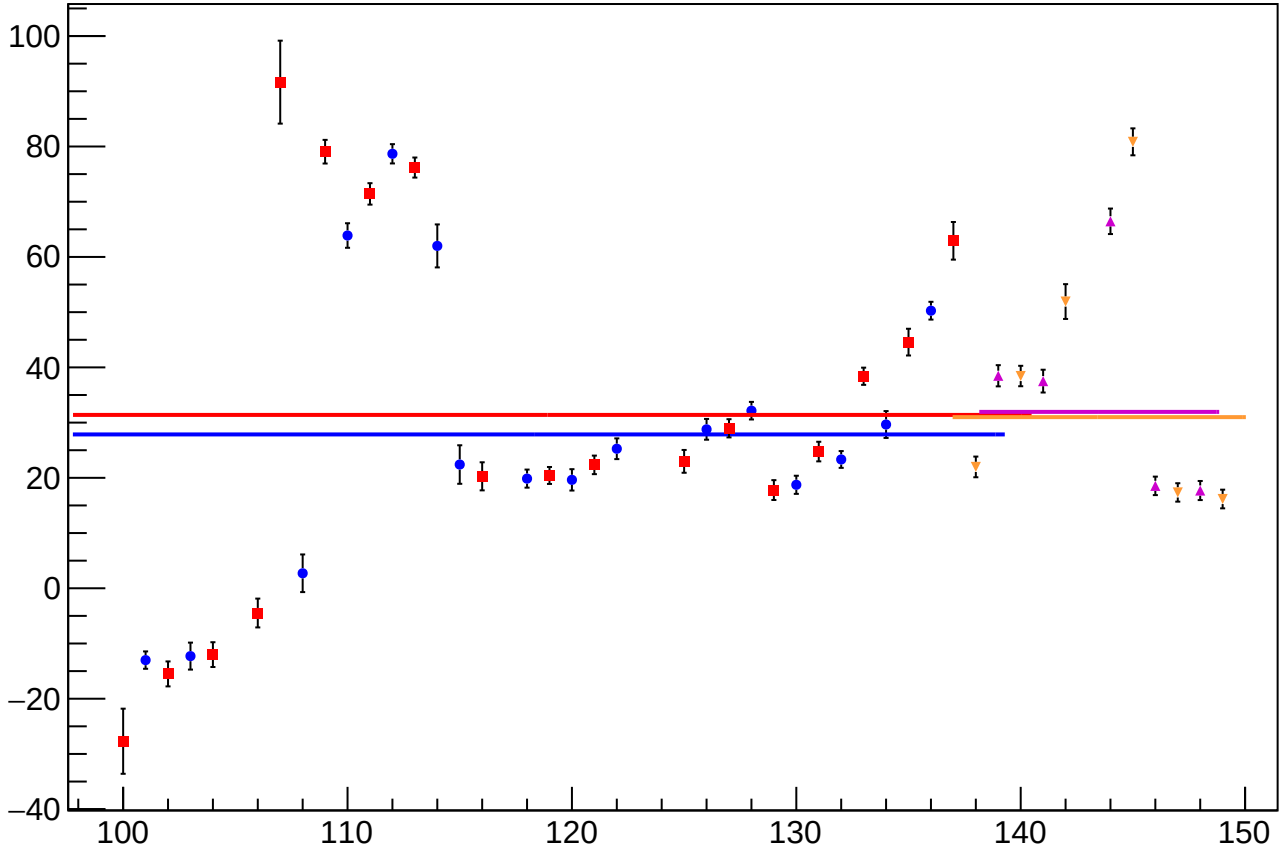
Left In: 6.142+/-0.552 χ^2/NDF:57.7/4

+ sign 8.477+/-0.335 χ^2/NDF: 615.5/21

All: 8.596+/-0.239 χ^2/NDF: 972.3/44

- 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: 30.991+/-0.802 χ^2/NDF:644.6/5

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

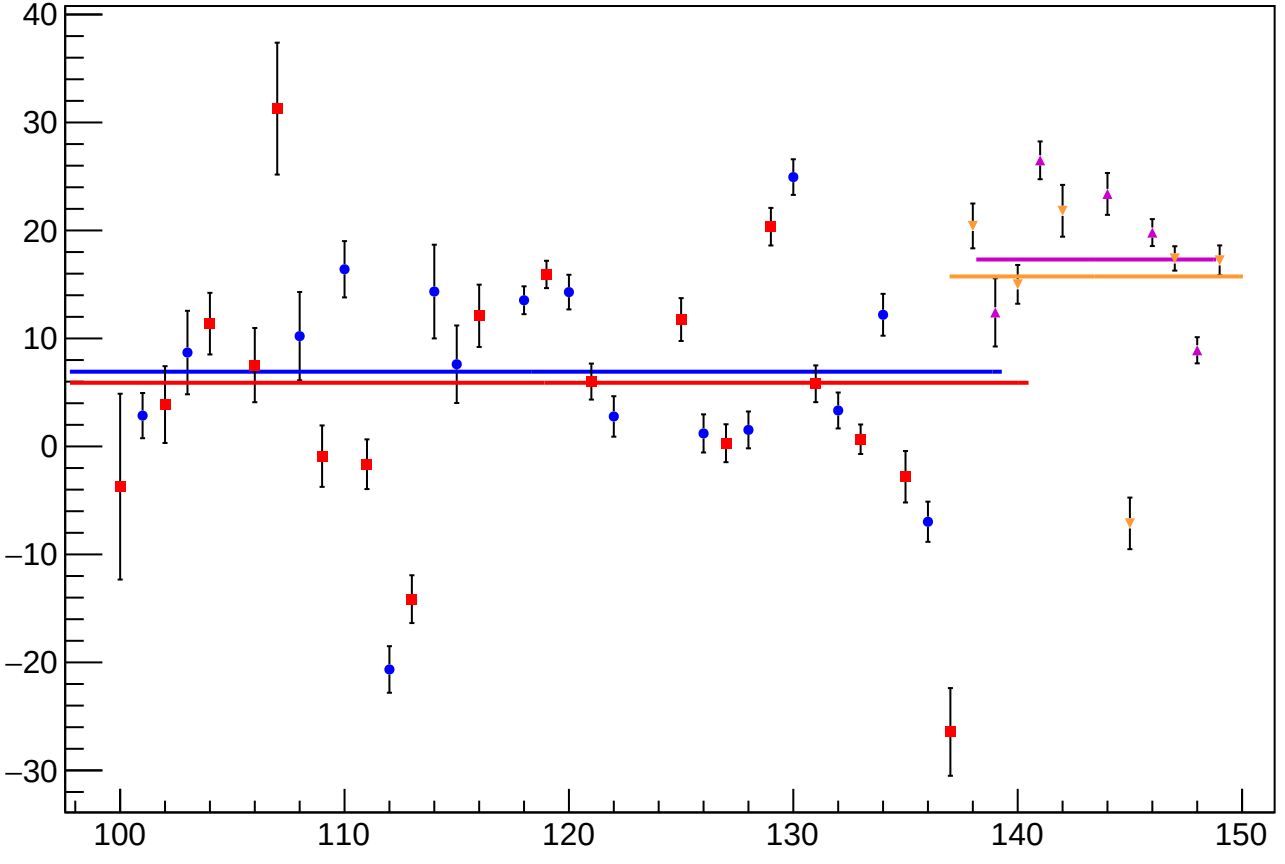
Left In: 31.942+/-0.849 χ^2/NDF:374.4/4

+ sign 28.692+/-0.413 χ^2/NDF: 3129.8/21

All: 30.079+/-0.296 χ^2/NDF: 6539.0/44

- 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: 15.741+/-0.675 χ^2/NDF:106.6/5

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

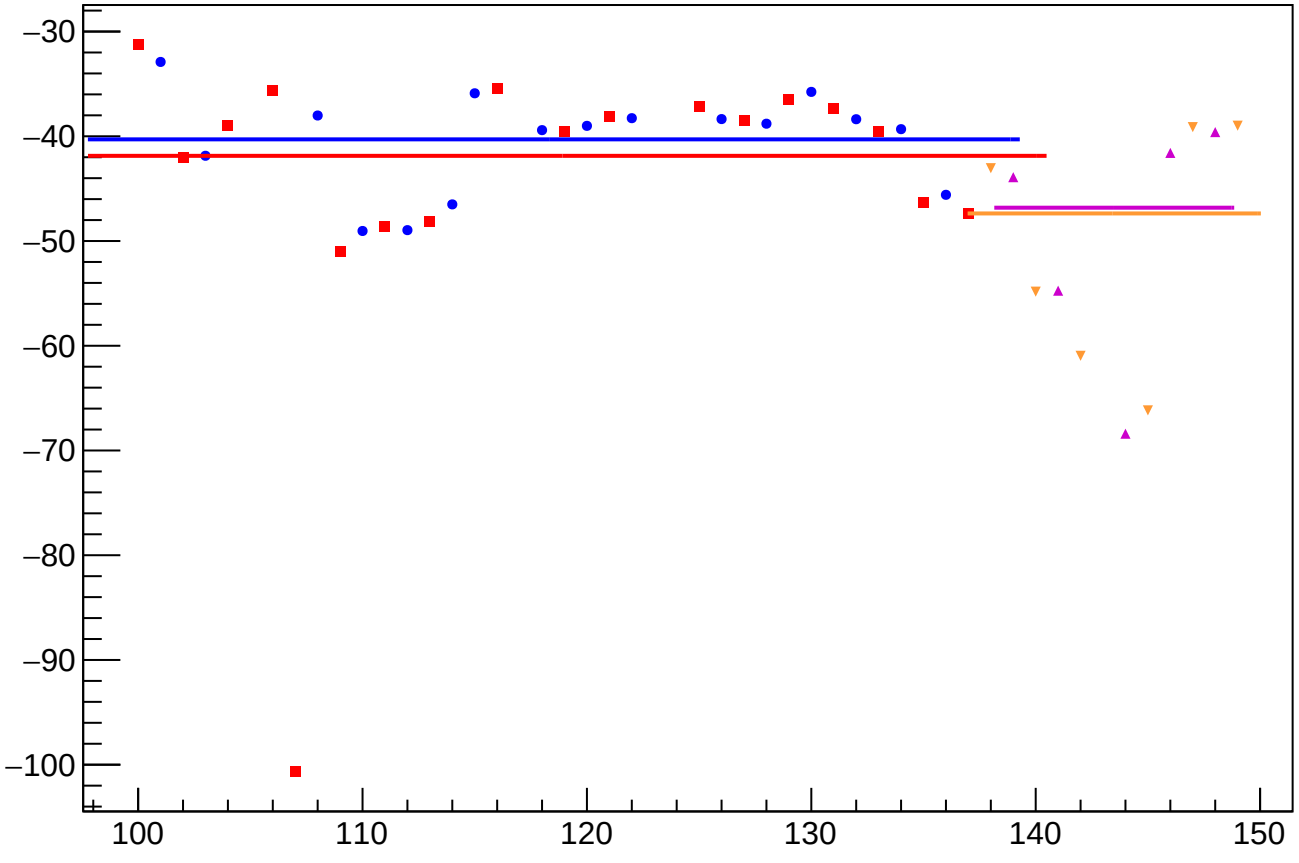
Left In: 17.311+/-0.704 χ^2/NDF:91.8/4

+ sign 10.013+/-0.399 χ^2/NDF: 661.9/21

All: 9.880+/-0.286 χ^2/NDF: 1295.9/44

- 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: -47.368+/-0.034 χ^2/NDF:87032.7/5

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

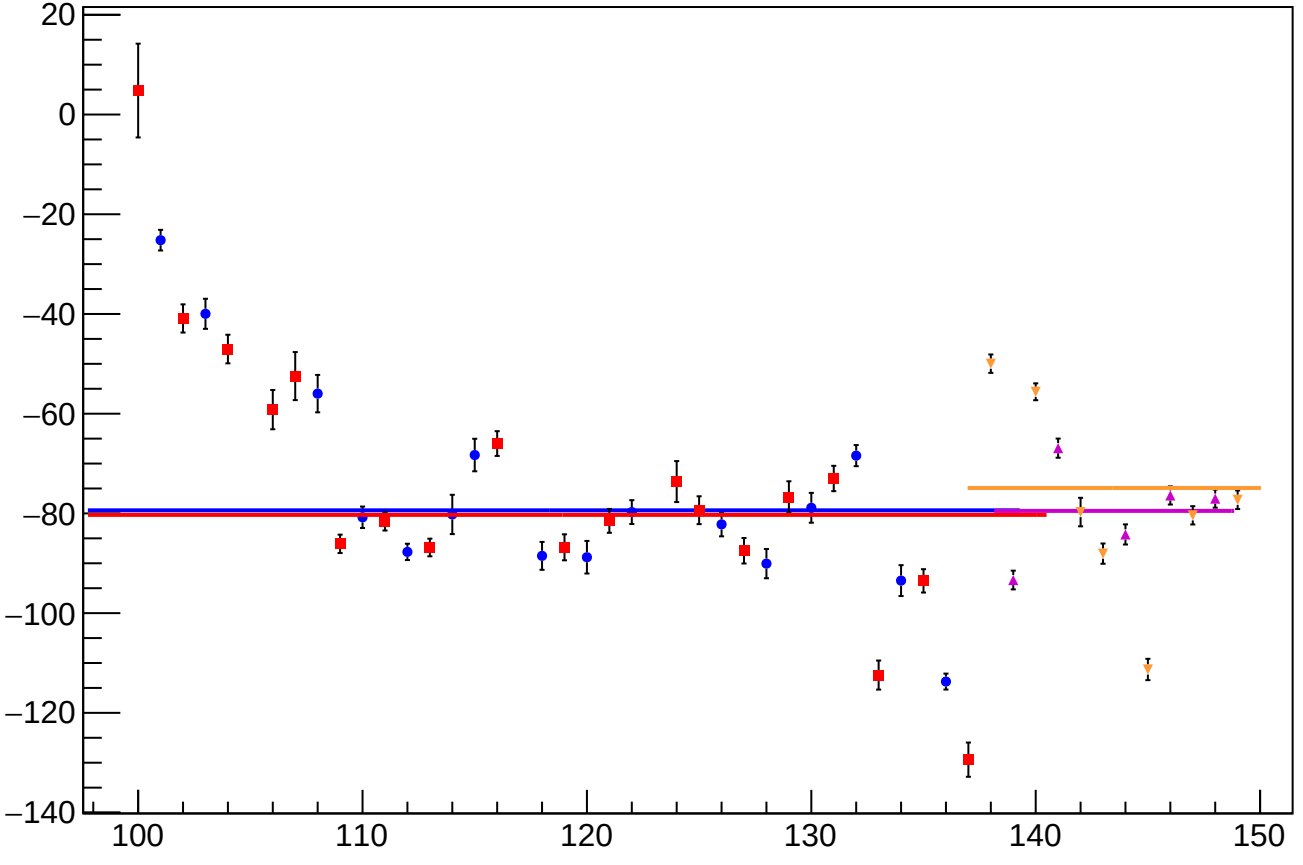
Left In: -46.818+/-0.034 χ^2/NDF:69823.9/4

+ sign -43.571+/-0.023 χ^2/NDF: 131218.7/21

All: -43.867+/-0.016 χ^2/NDF: 271195.6/44

- 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: -74.898+/-0.743 χ^2/NDF:657.1/6

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

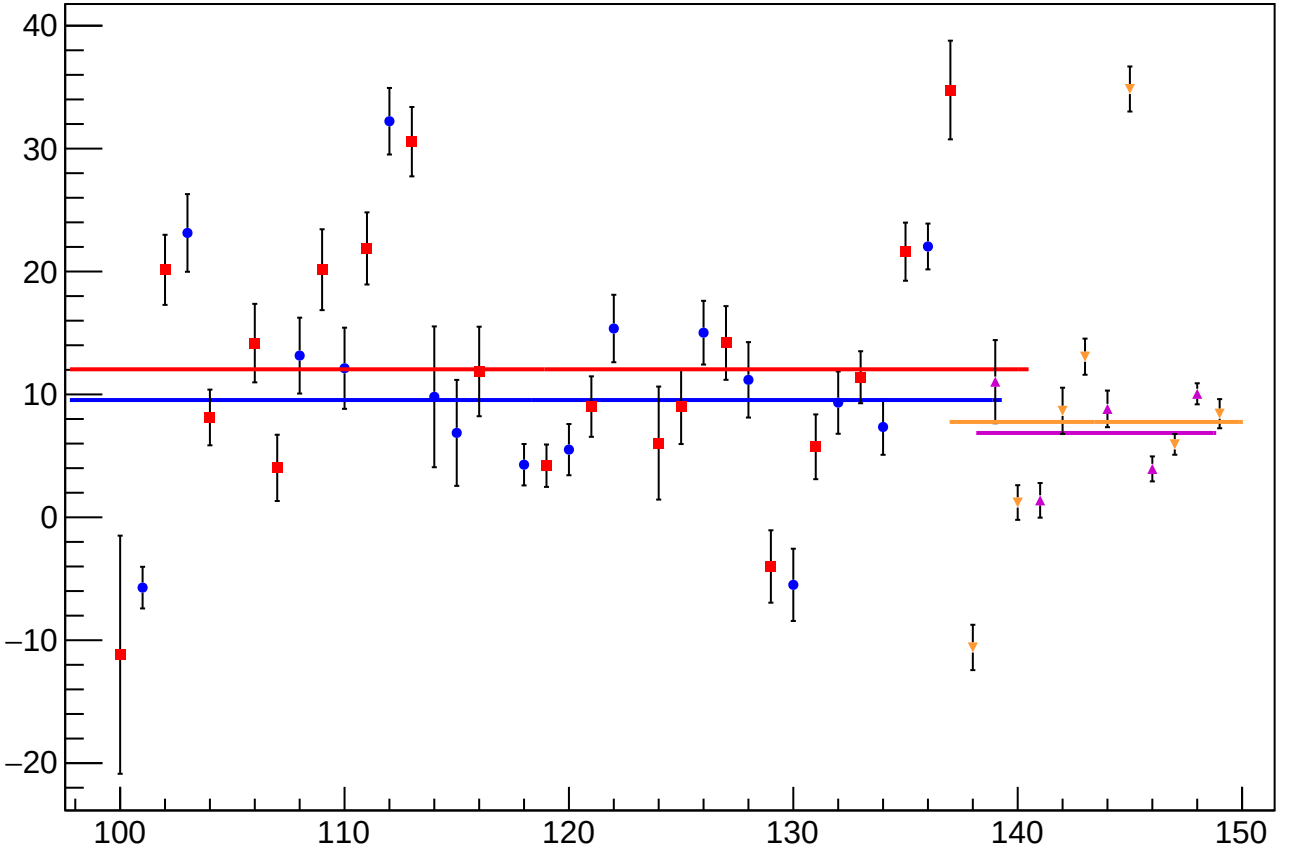
Left In: -79.494+/-0.844 χ^2/NDF:107.4/4

+ sign -77.573+/-0.472 χ^2/NDF: 2154.7/22

All: -78.749+/-0.340 χ^2/NDF: 3190.3/46

- 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: 7.761+/-0.503 χ^2/NDF:357.5/6

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

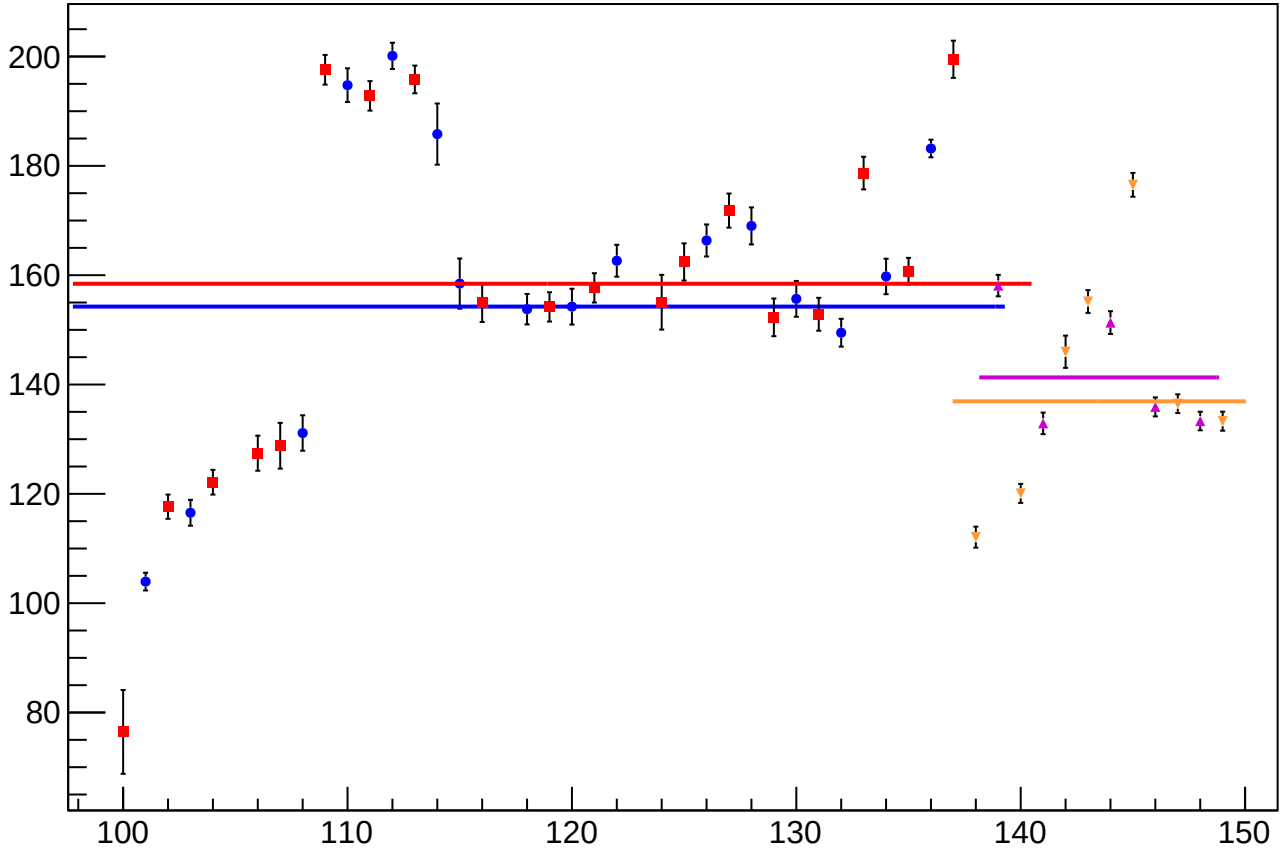
Left In: 6.863+/-0.544 χ^2/NDF:40.5/4

+ sign 8.466+/-0.391 χ^2/NDF: 629.5/22

All: 8.741+/-0.284 χ^2/NDF: 905.2/46

- 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: 136.920+/-0.740 χ^2/NDF:681.1/6

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

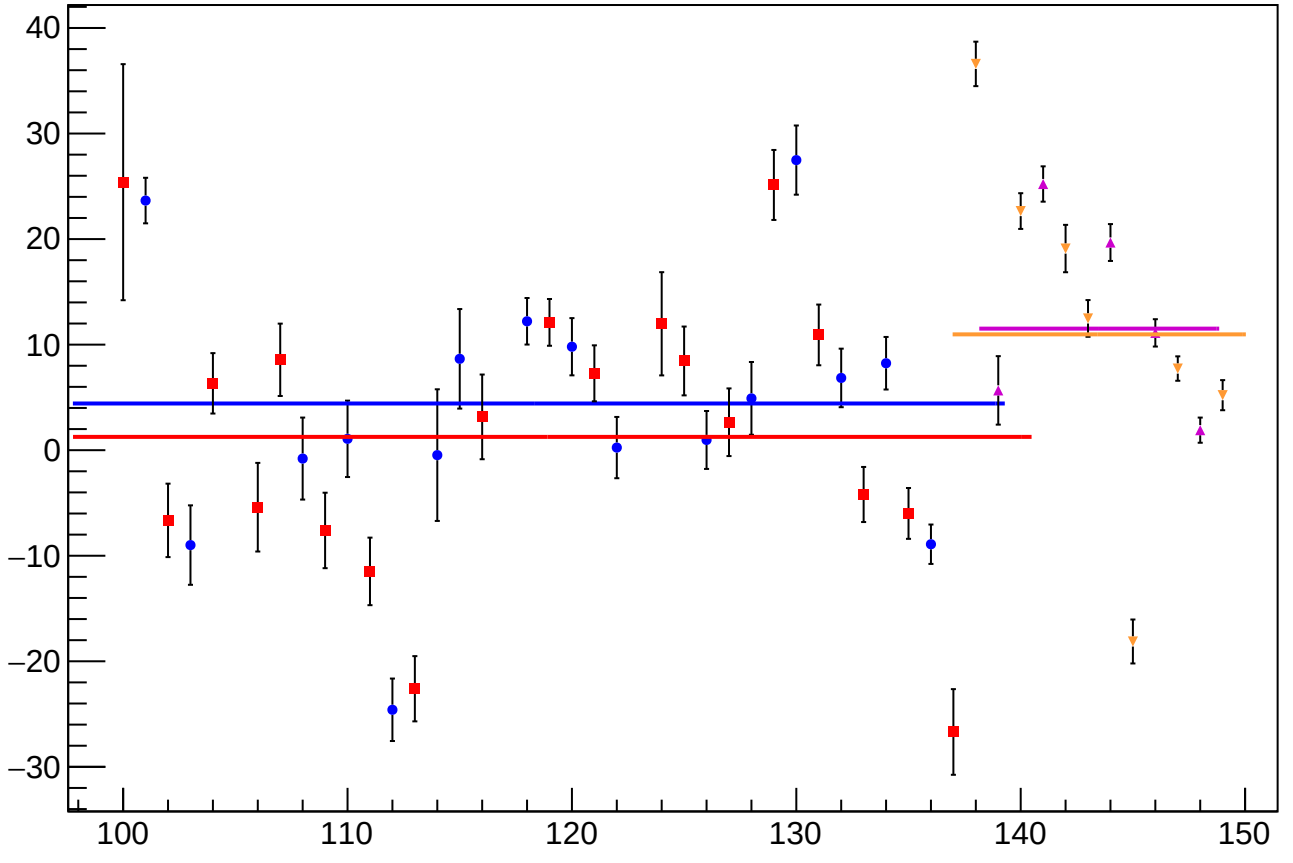
Left In: 141.299+/-0.838 χ^2/NDF:146.6/4

+ sign 146.553+/-0.493 χ^2/NDF: 3200.0/22

All: 148.898+/-0.361 χ^2/NDF: 5310.9/46

- 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: 10.973+/-0.623 χ^2/NDF:428.9/6

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

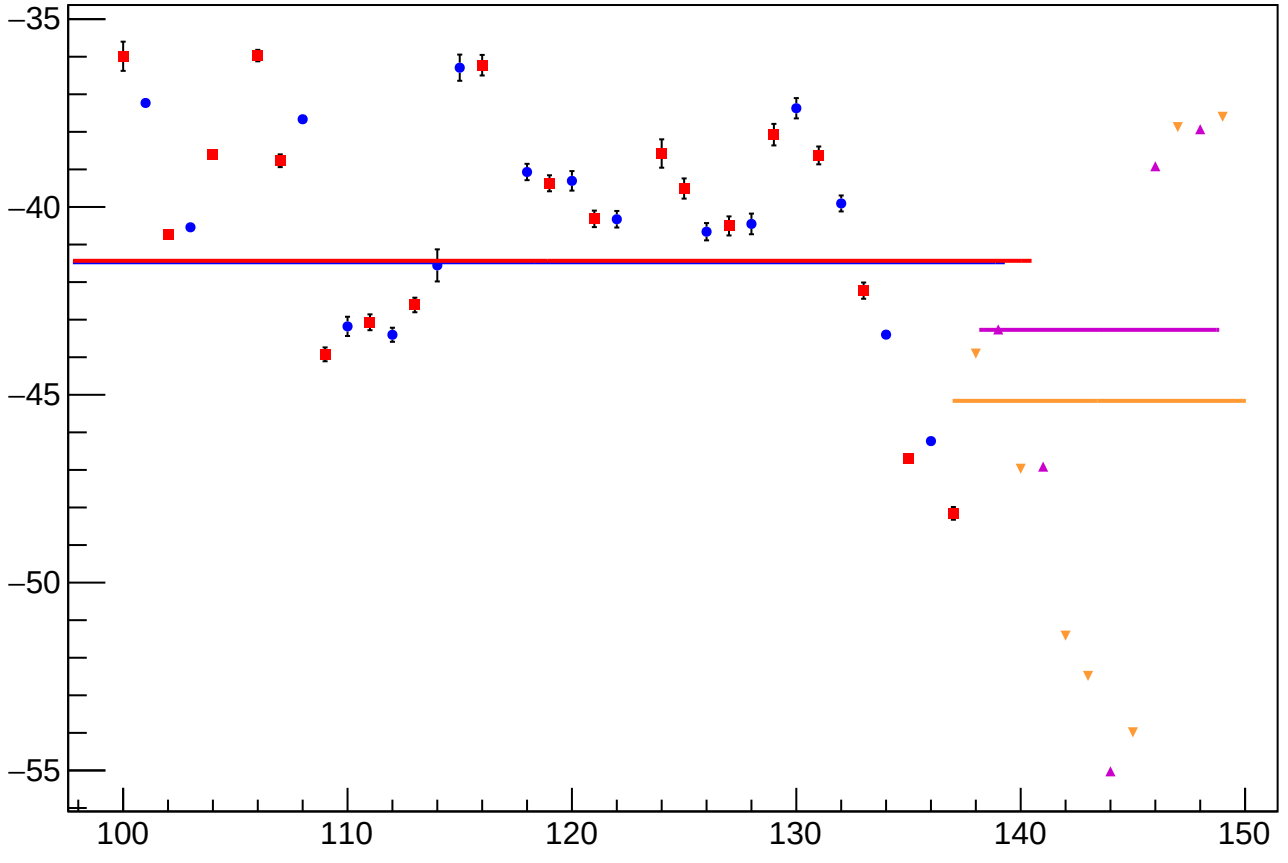
Left In: 11.516+/-0.693 χ^2/NDF:157.3/4

+ sign 8.140+/-0.470 χ^2/NDF: 792.7/22

All: 7.452+/-0.343 χ^2/NDF: 1323.0/46

- 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: -45.161+/-0.031 χ^2/NDF:40968.9/6

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

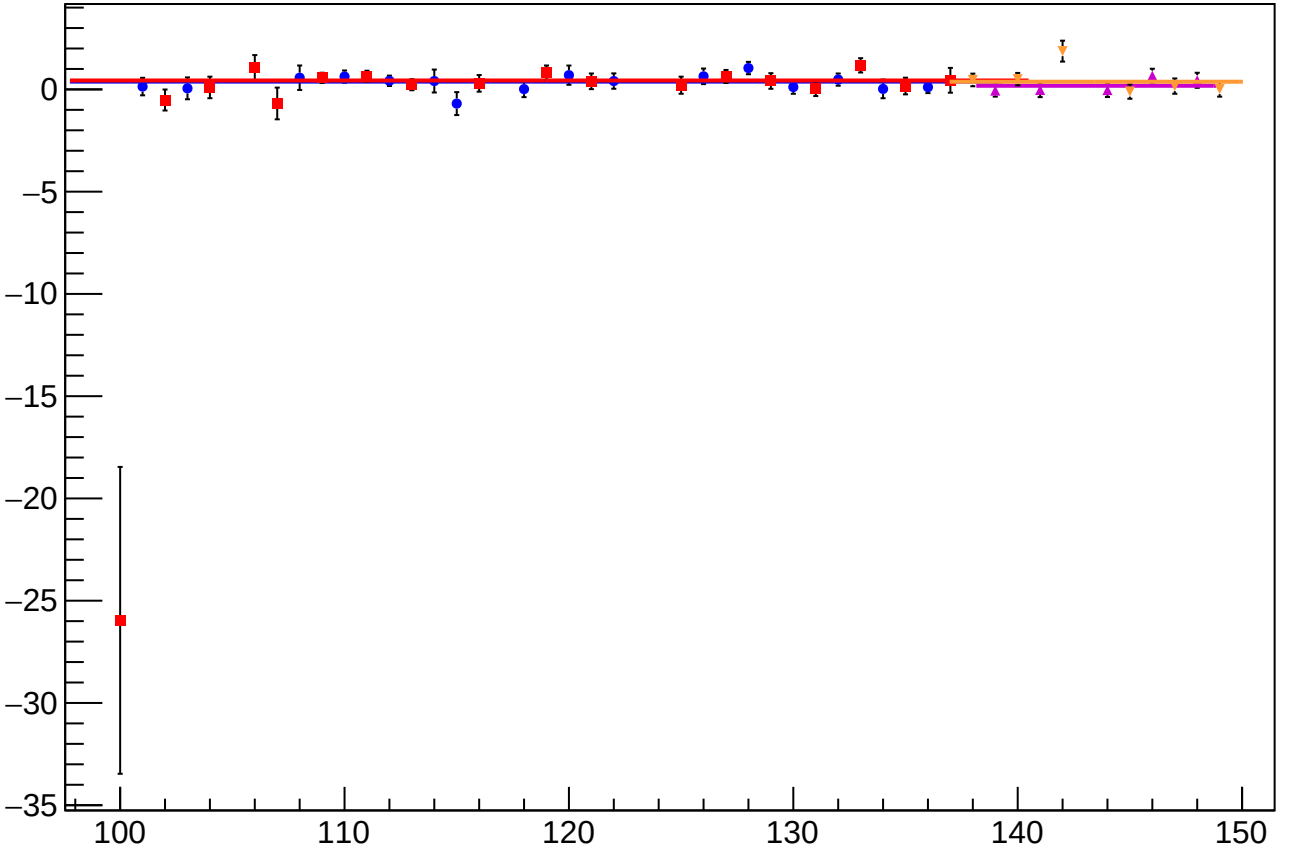
Left In: -43.271+/-0.034 χ^2/NDF:27379.6/4

+ sign -43.683+/-0.024 χ^2/NDF: 54498.2/22

All: -43.126+/-0.018 χ^2/NDF: 92491.7/46

- 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: 0.375+/-0.145 χ^2/NDF:11.9/5

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

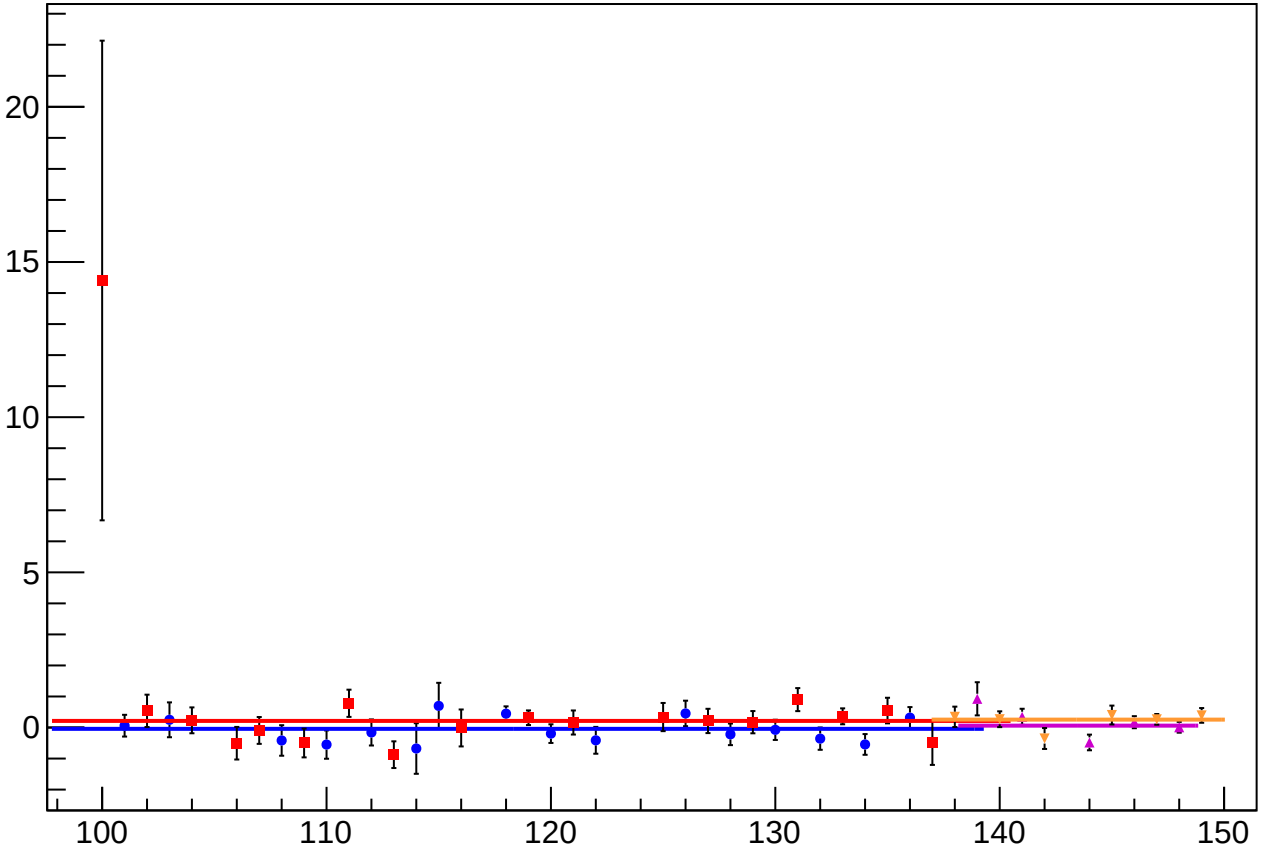
Left In: 0.178+/-0.151 χ^2/NDF:3.9/4

+ sign 0.380+/-0.078 χ^2/NDF: 25.9/21

All: 0.374+/-0.055 χ^2/NDF: 61.0/44

- 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: 0.255+/-0.102 χ^2/NDF:3.9/5

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

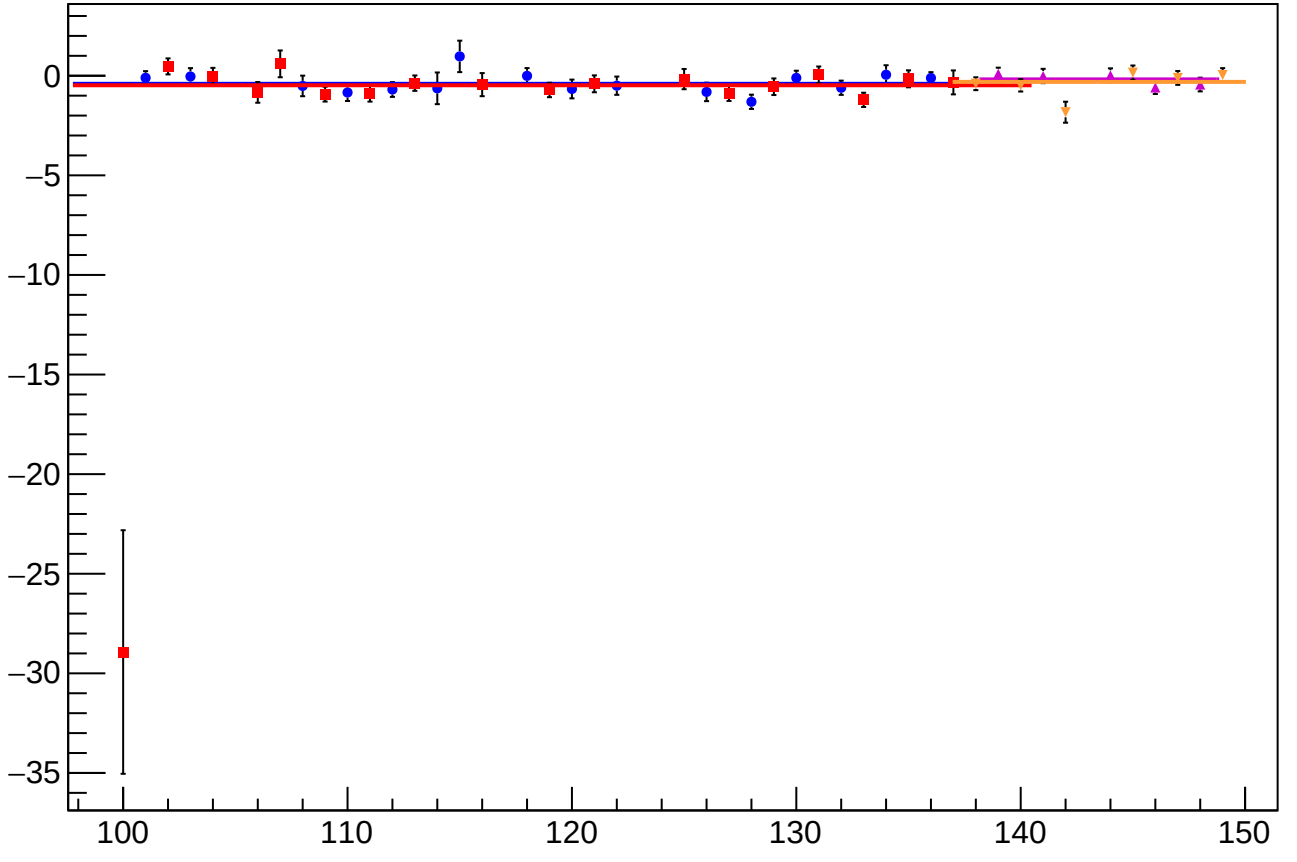
Left In: 0.061+/-0.103 χ^2/NDF:8.9/4

+ sign 0.094+/-0.069 χ^2/NDF: 23.5/21

All: 0.118+/-0.049 χ^2/NDF: 56.2/44

- 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: -0.309+/-0.145 χ^2/NDF:11.7/5

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

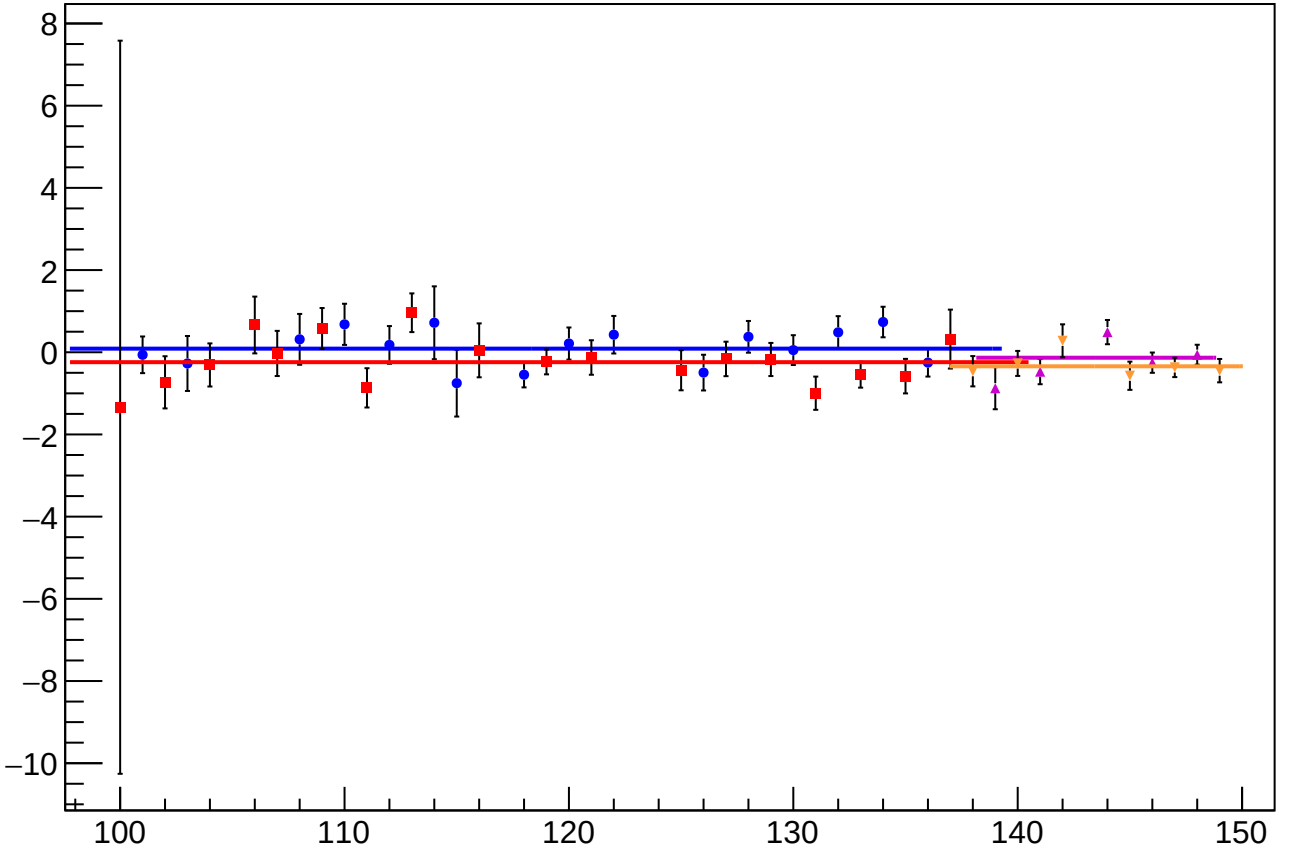
Left In: -0.184+/-0.151 χ^2/NDF:3.5/4

+ sign -0.373+/-0.084 χ^2/NDF: 29.8/21

All: -0.378+/-0.060 χ^2/NDF: 78.1/44

- 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: -0.342+/-0.126 χ^2/NDF:3.1/5

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

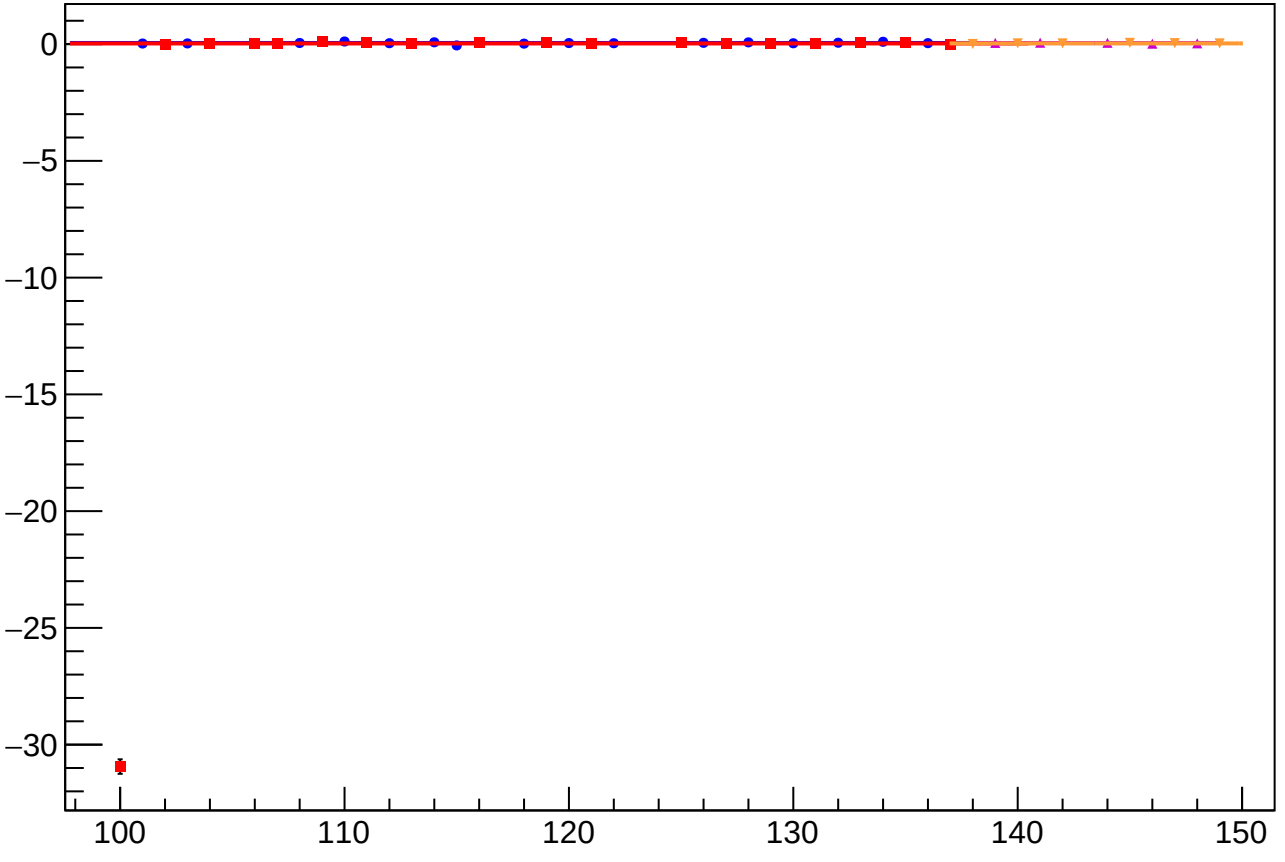
Left In: -0.133+/-0.130 χ^2/NDF:8.1/4

+ sign -0.095+/-0.082 χ^2/NDF: 25.7/21

All: -0.145+/-0.059 χ^2/NDF: 54.6/44

- 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: 0.030+/-0.006 χ^2/NDF:6.6/5

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

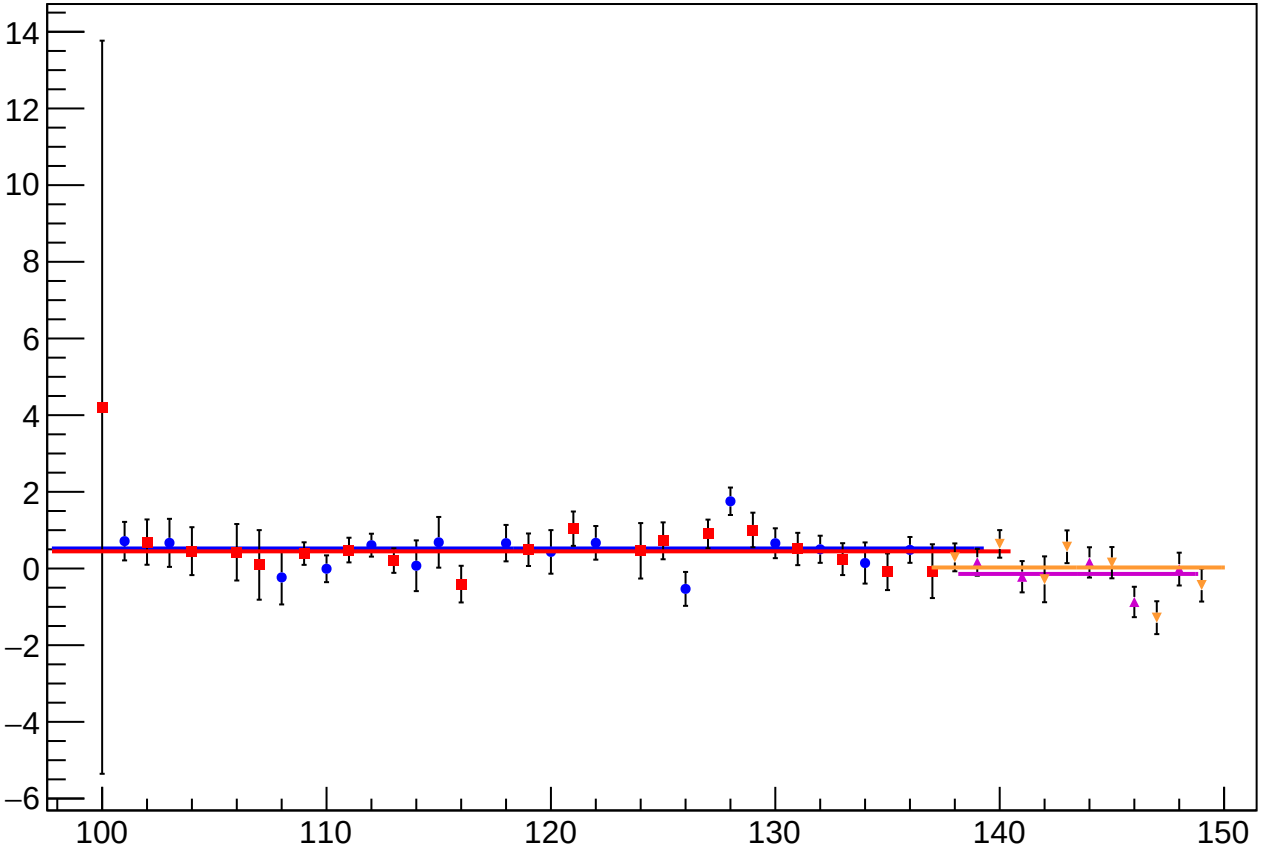
Left In: 0.045+/-0.006 χ^2/NDF:6.2/4

+ sign 0.039+/-0.004 χ^2/NDF: 30.2/21

All: 0.038+/-0.003 χ^2/NDF: 10061.2/44

- 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: 0.027+/-0.157 χ^2/NDF:15.9/6

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

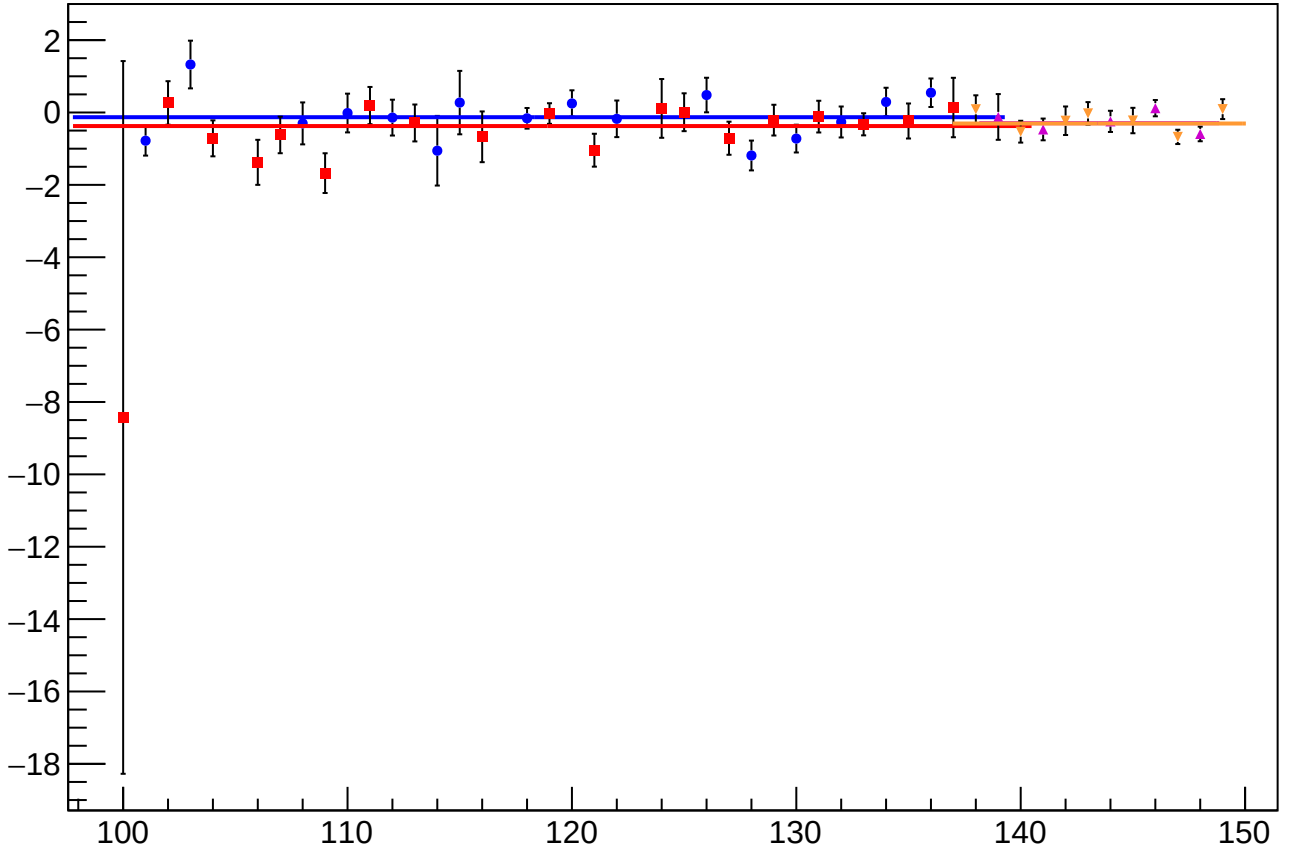
Left In: -0.142+/-0.176 χ^2/NDF:4.9/4

\+ sign 0.363+/-0.089 χ^2/NDF: 45.2/22

All: 0.328+/-0.063 χ^2/NDF: 70.1/46

\- 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: -0.305+/-0.111 χ^2/NDF:8.1/6

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

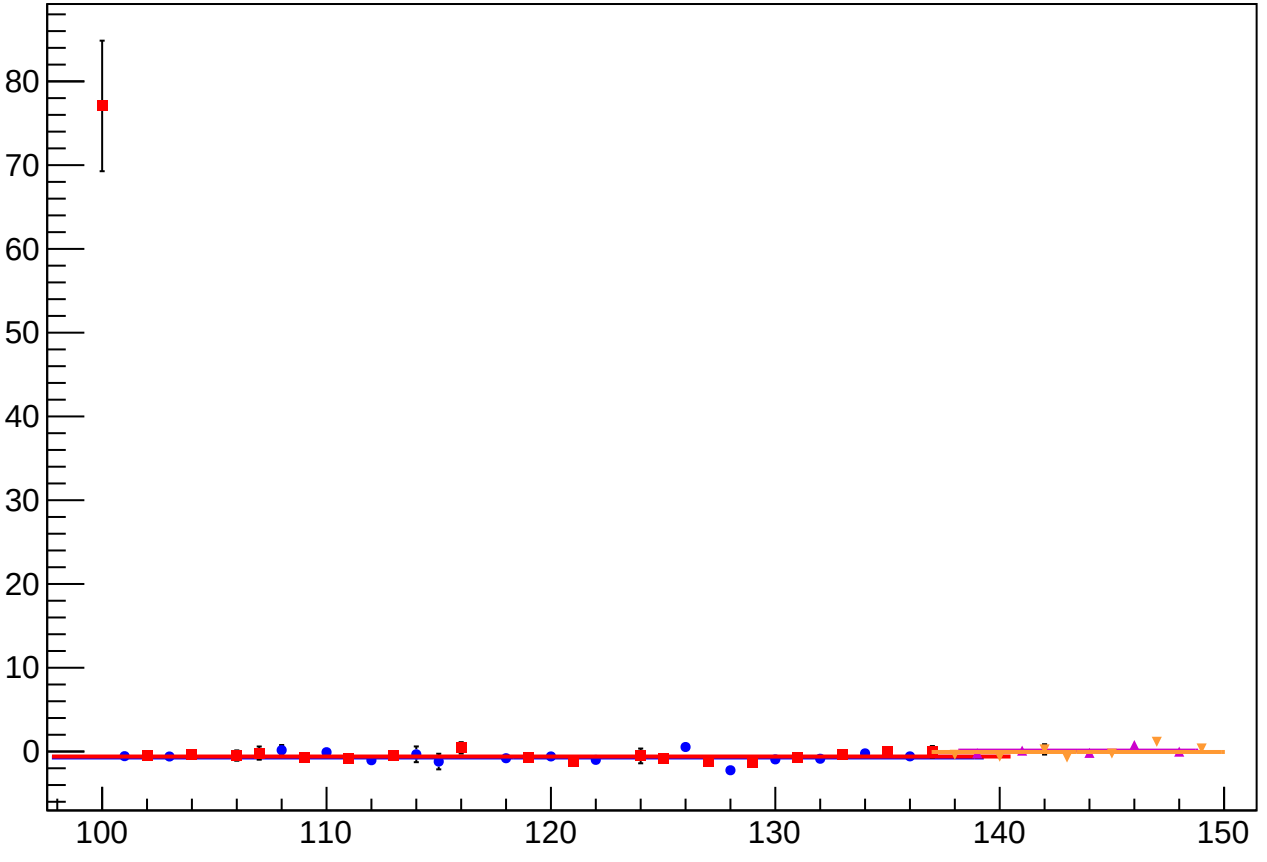
Left In: -0.295+/-0.120 χ^2/NDF:6.0/4

+ sign -0.218+/-0.079 χ^2/NDF: 33.9/22

All: -0.276+/-0.057 χ^2/NDF: 59.5/46

- 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: -0.056+/-0.158 χ^2/NDF:16.1/6

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

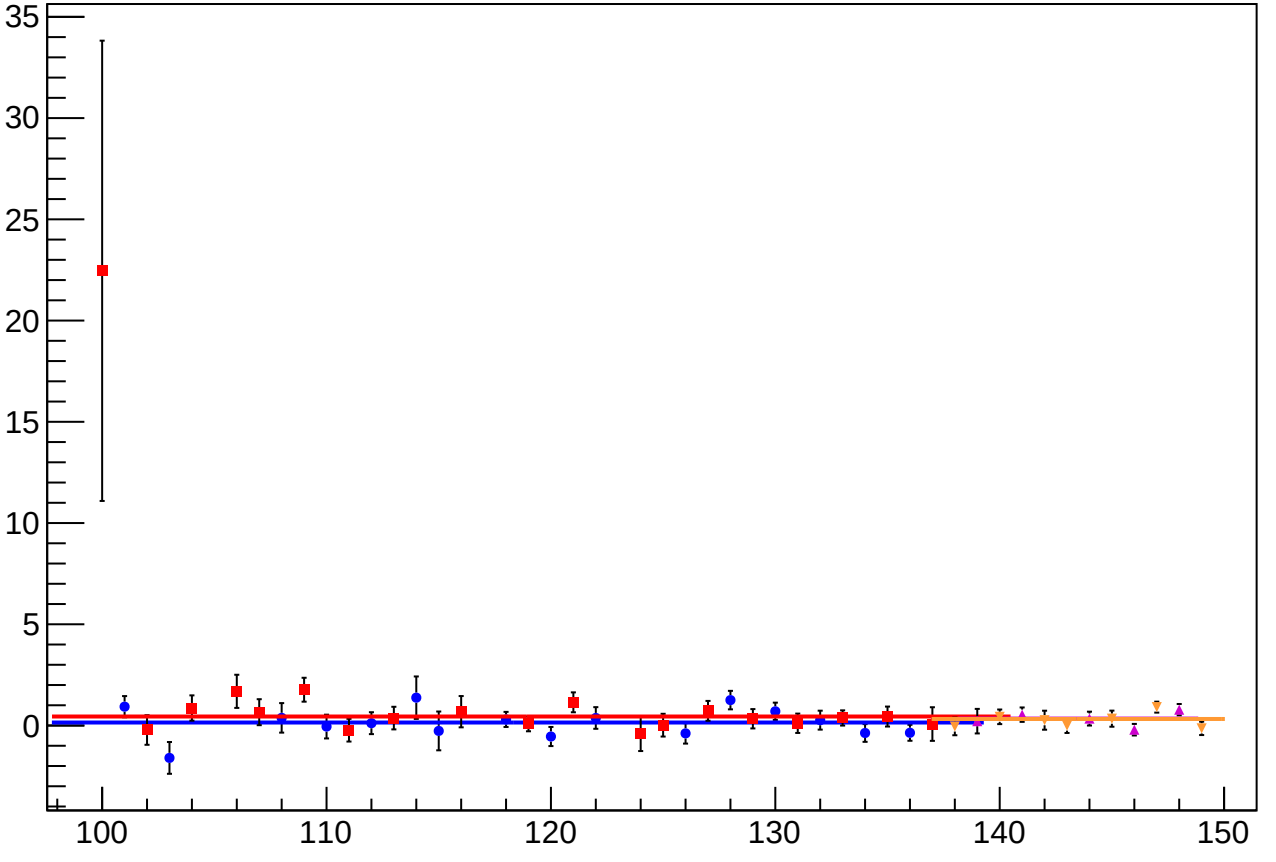
Left In: 0.107+/-0.176 χ^2/NDF:4.3/4

+ sign -0.467+/-0.096 χ^2/NDF: 51.9/22

All: -0.420+/-0.069 χ^2/NDF: 178.5/46

- 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: 0.323+/-0.136 χ^2/NDF:8.3/6

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

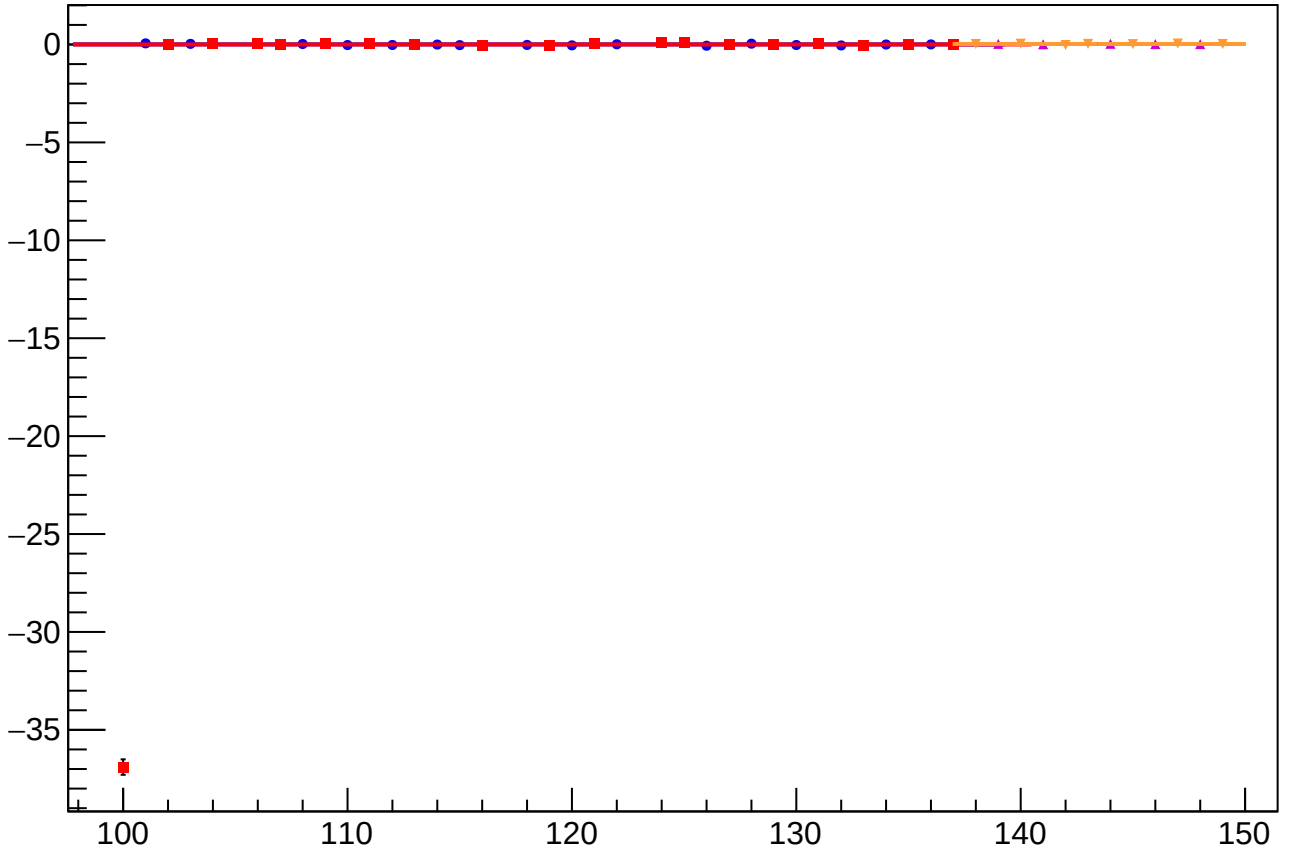
Left In: 0.343+/-0.151 χ^2/NDF:6.5/4

+ sign 0.230+/-0.093 χ^2/NDF: 32.4/22

All: 0.312+/-0.067 χ^2/NDF: 60.5/46

- 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:7.0/6

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

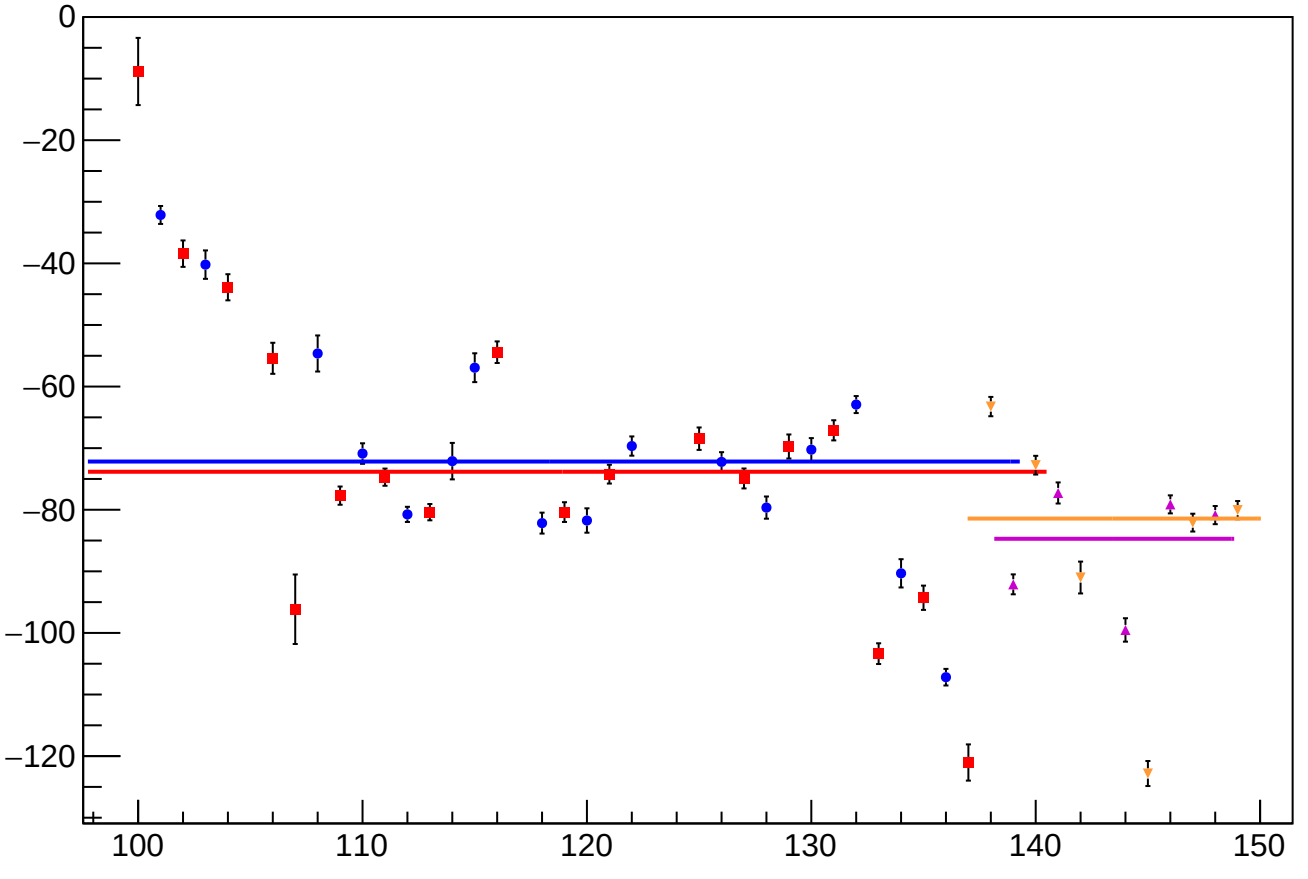
Left In: 0.026+/-0.007 χ^2/NDF:1.5/4

+ sign 0.017+/-0.005 χ^2/NDF: 28.7/22

All: 0.016+/-0.004 χ^2/NDF: 8789.1/46

- 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: -81.433+/-0.679 χ^2/NDF:596.4/5

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

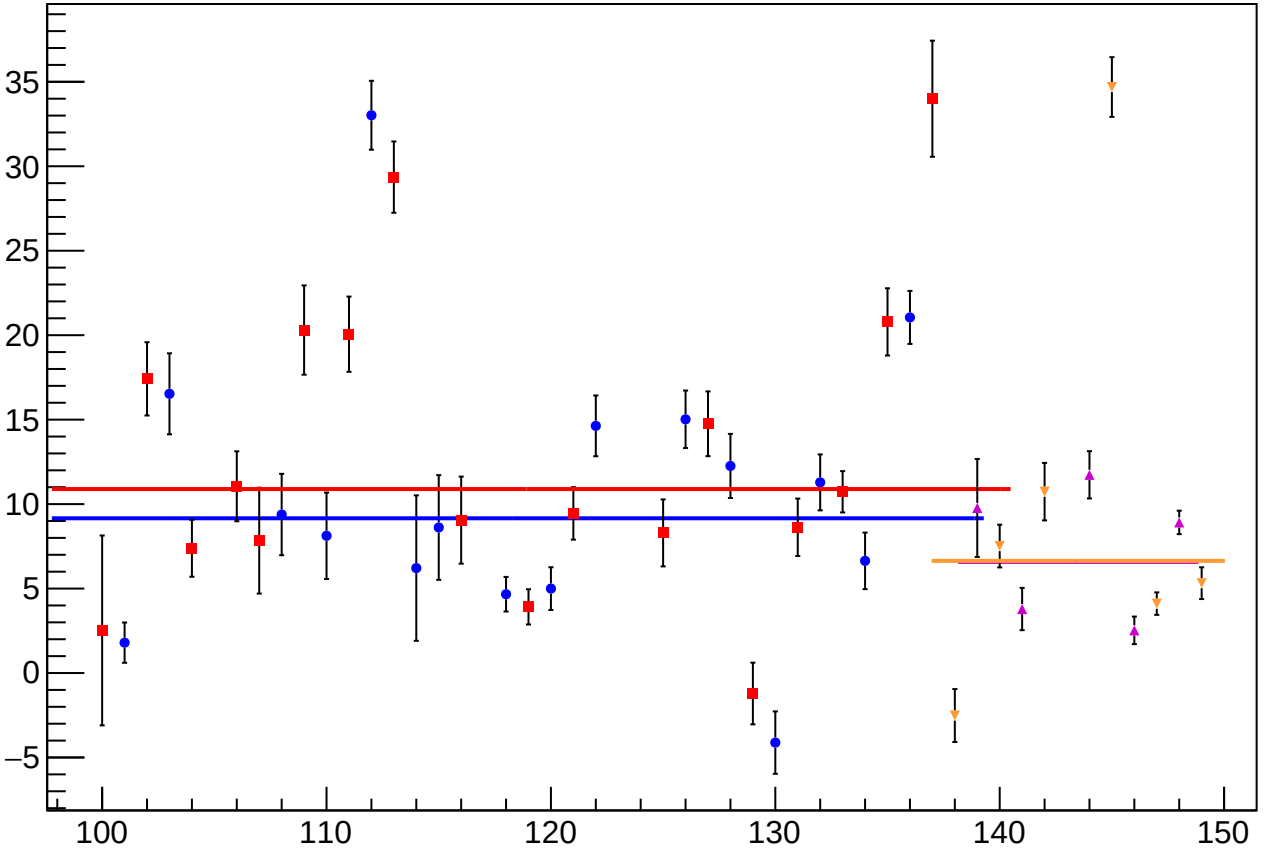
Left In: -84.715+/-0.721 χ^2/NDF:121.7/4

\+ sign -74.839+/-0.365 χ^2/NDF: 2664.7/21

All: -75.754+/-0.260 χ^2/NDF: 4525.0/44

\- 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: 6.640+/-0.443 χ^2/NDF:308.7/5

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

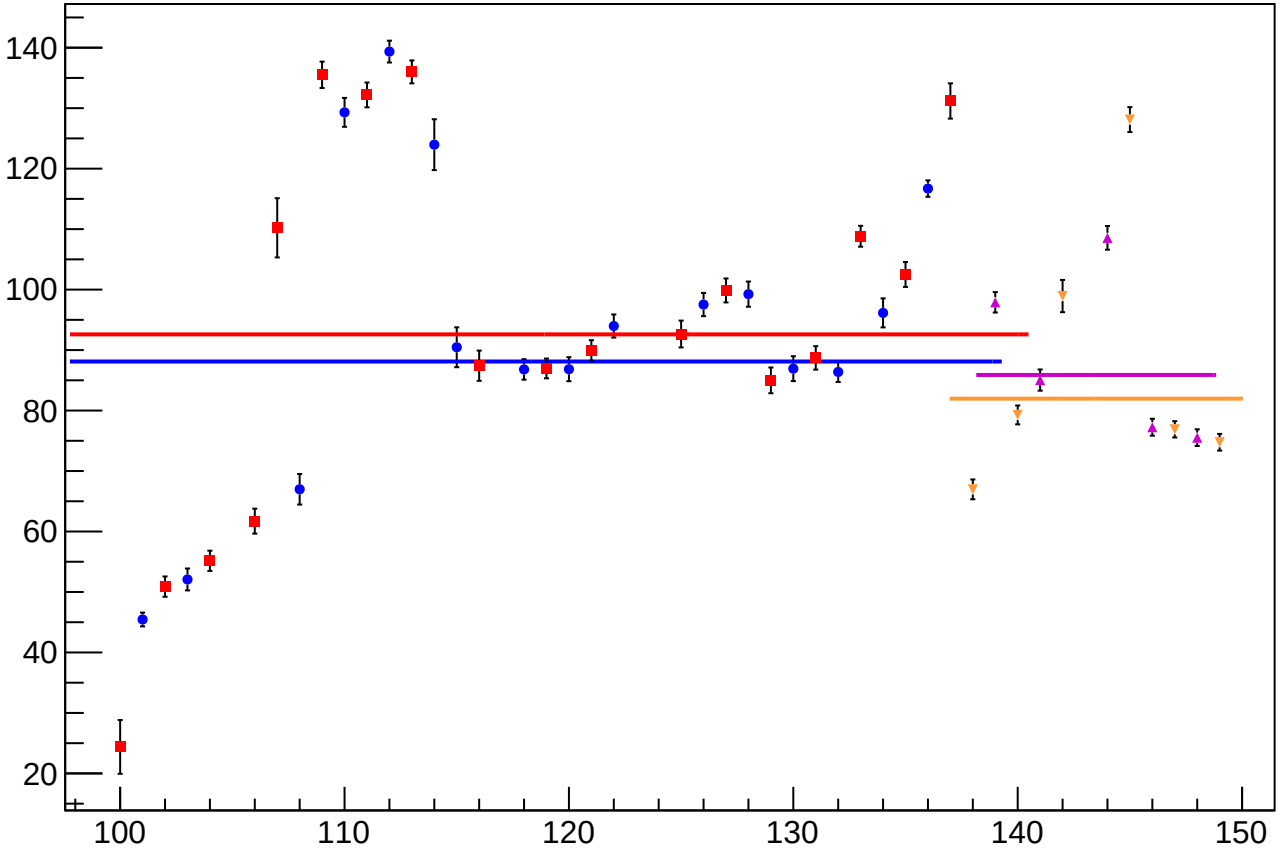
Left In: 6.576+/-0.454 χ^2/NDF:55.7/4

+ sign 7.953+/-0.307 χ^2/NDF: 677.6/21

All: 8.365+/-0.220 χ^2/NDF: 1073.8/44

- 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: 81.972+/-0.669 χ^2/NDF:671.3/5

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

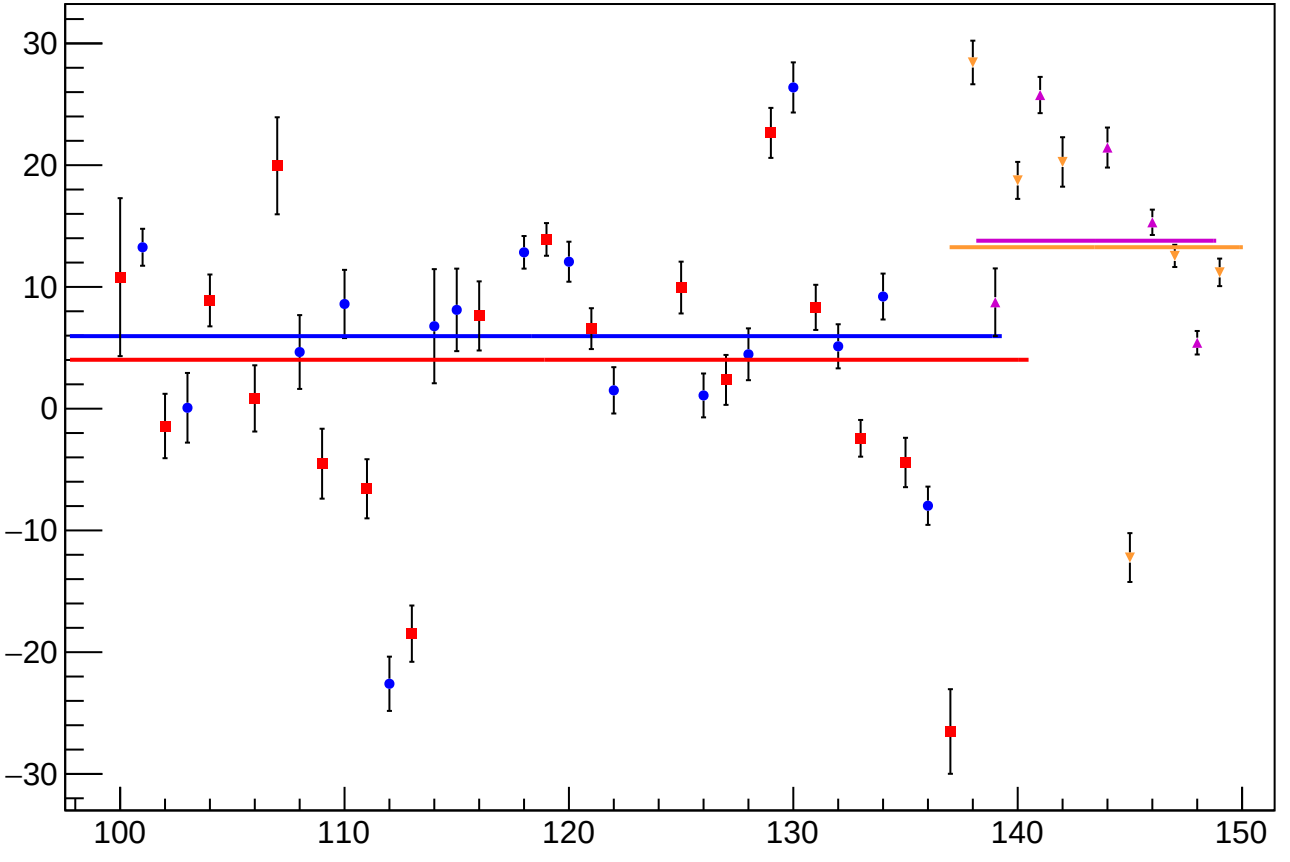
Left In: 85.886+/-0.712 χ^2/NDF:279.5/4

+ sign 86.090+/-0.384 χ^2/NDF: 4289.4/21

All: 88.196+/-0.277 χ^2/NDF: 7903.5/44

- 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: 13.262+/-0.557 χ^2/NDF:262.1/5

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

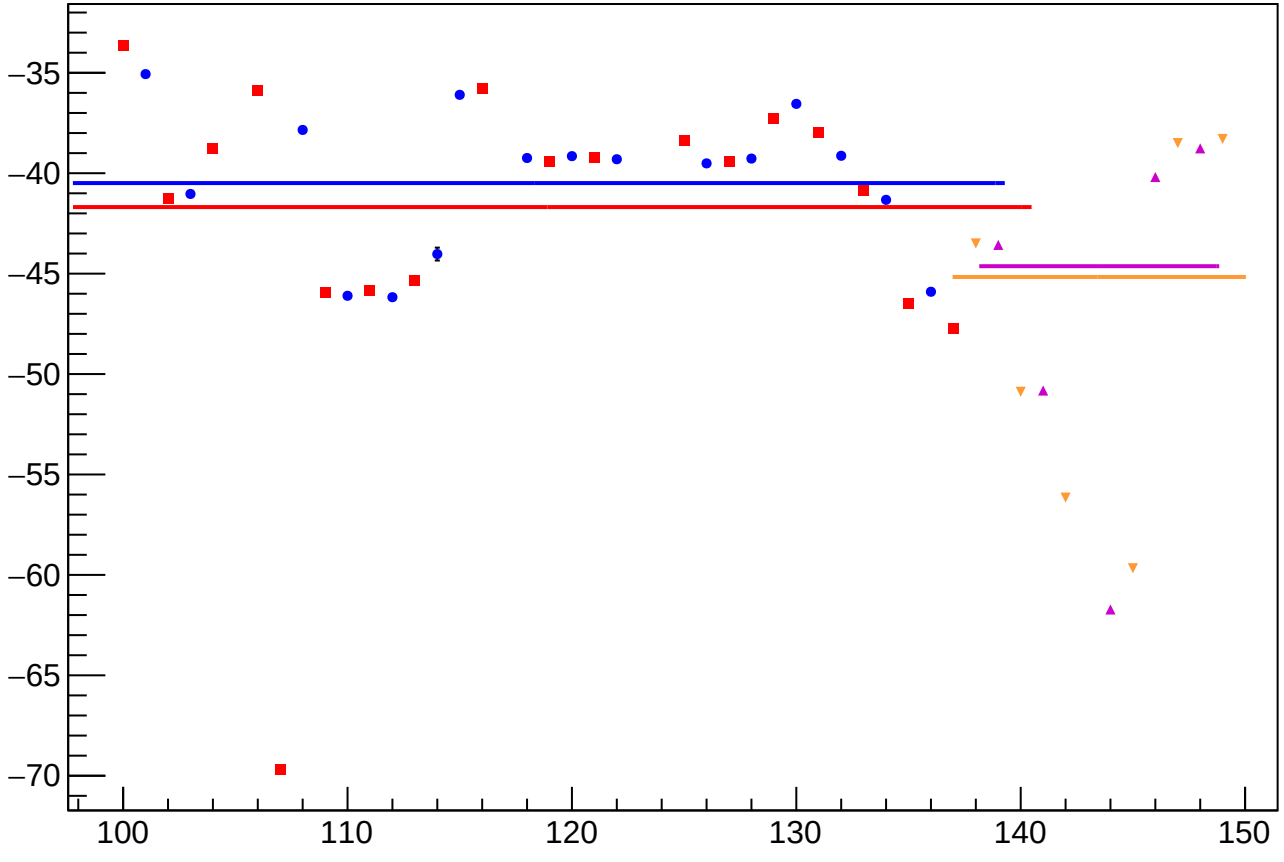
Left In: 13.795+/-0.583 χ^2/NDF:166.8/4

+ sign 9.177+/-0.370 χ^2/NDF: 785.0/21

All: 8.732+/-0.266 χ^2/NDF: 1532.1/44

- 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: -45.166+/-0.028 χ^2/NDF:75633.8/5

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

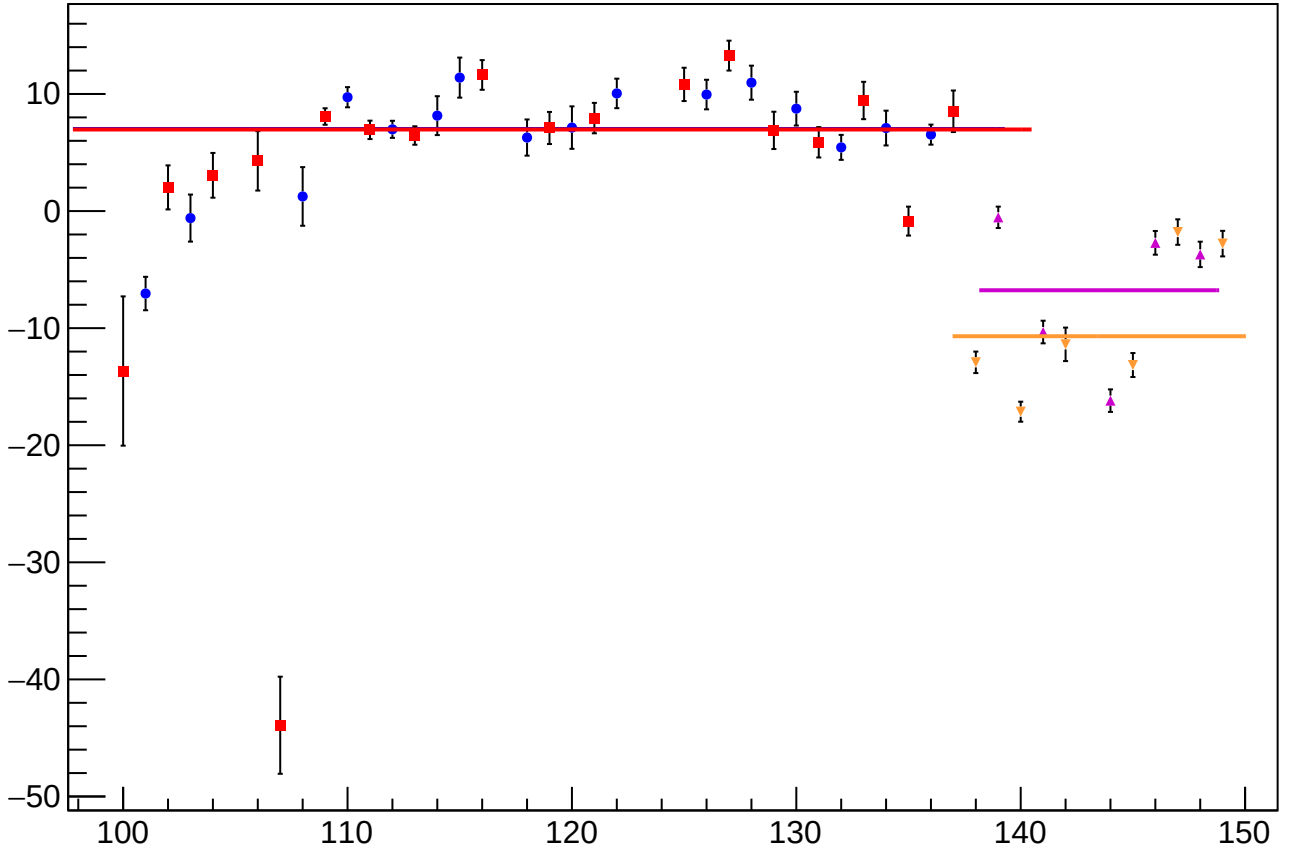
Left In: -44.630+/-0.029 χ^2/NDF:61974.9/4

+ sign -42.830+/-0.020 χ^2/NDF: 107400.8/21

All: -42.998+/-0.014 χ^2/NDF: 211486.4/44

- 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: -10.691+/-0.420 χ^2/NDF:188.1/5

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

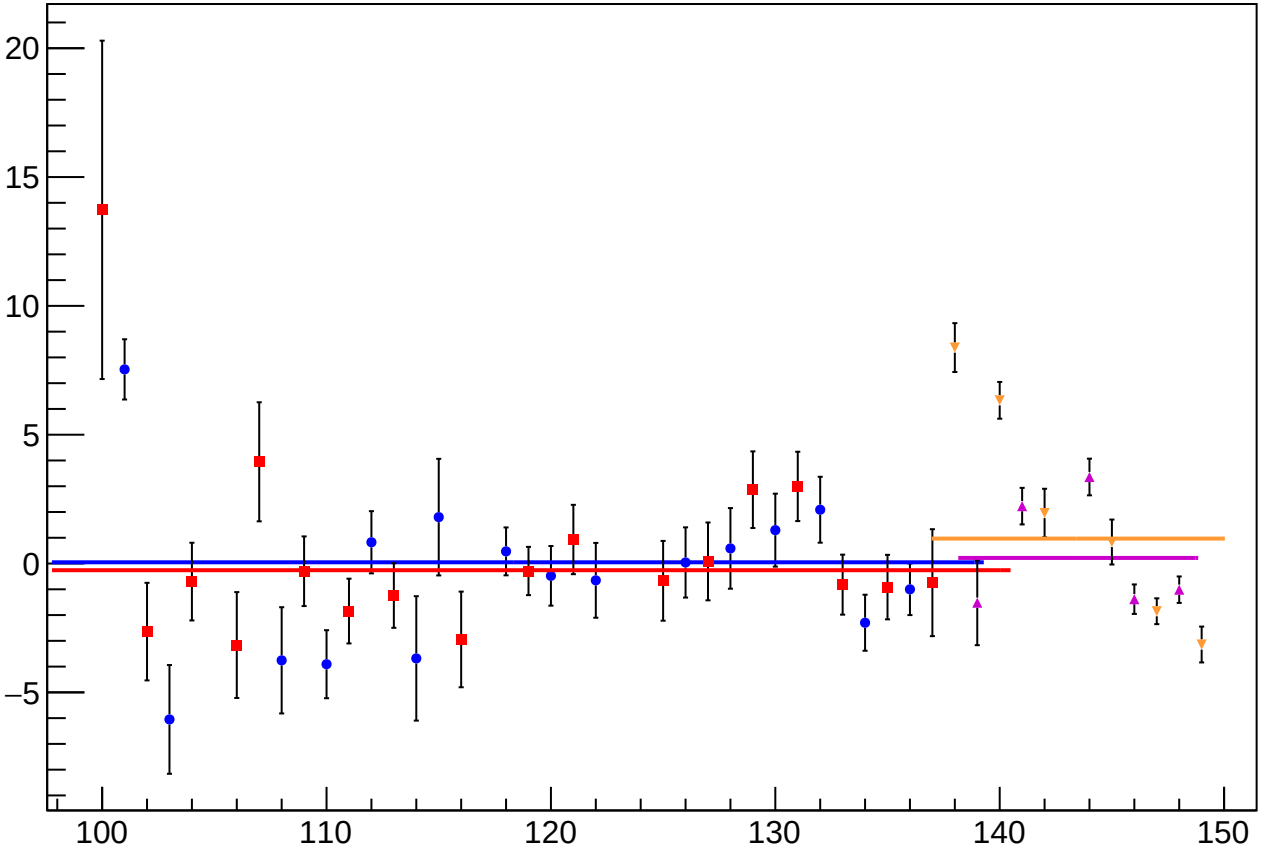
Left In: -6.764+/-0.440 χ^2/NDF:180.1/4

+ sign 0.780+/-0.249 χ^2/NDF: 1497.7/21

All: 1.719+/-0.175 χ^2/NDF: 2639.9/44

- 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: 0.968+/-0.294 χ^2/NDF:185.4/5

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

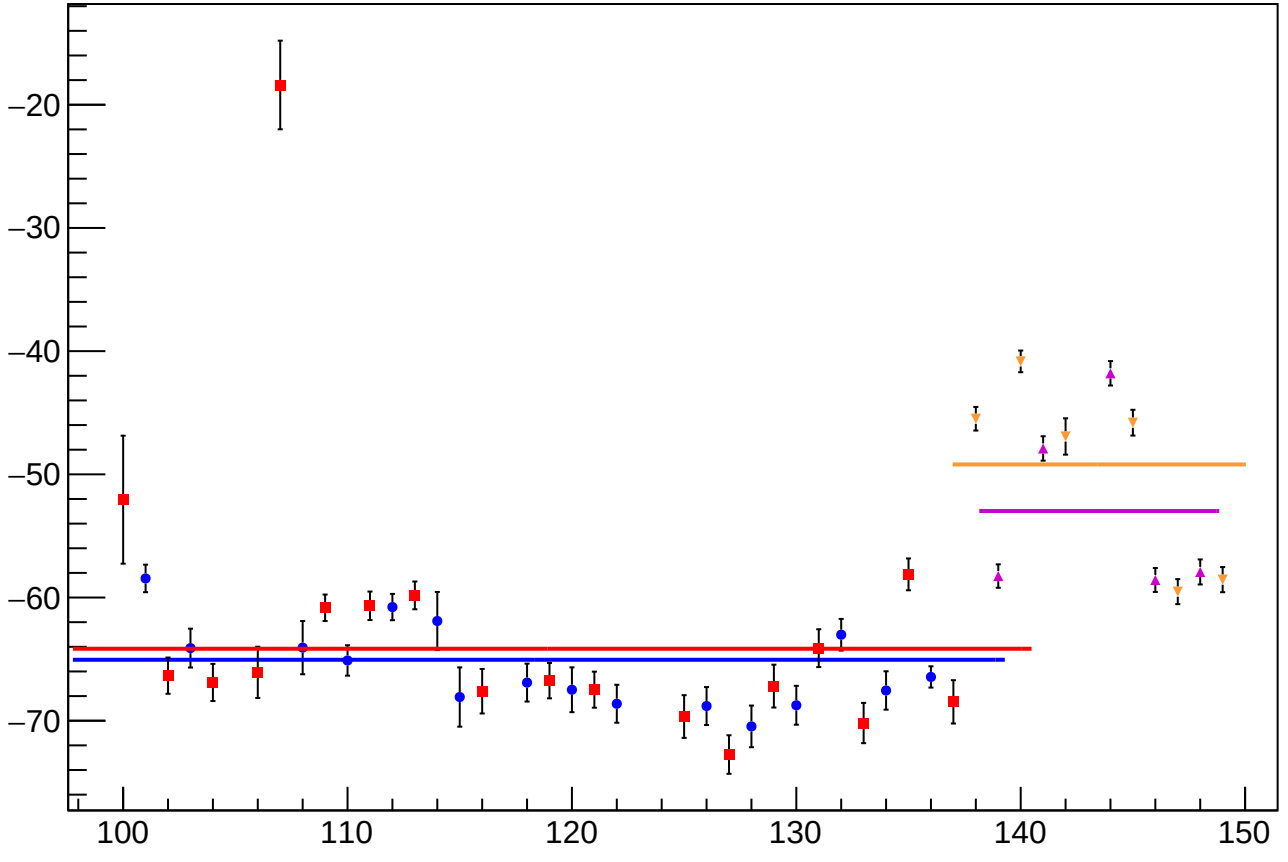
Left In: 0.218+/-0.299 χ^2/NDF:42.2/4

+ sign 0.563+/-0.220 χ^2/NDF: 264.7/21

All: 0.295+/-0.158 χ^2/NDF: 338.6/44

- 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: -49.196+/-0.419 χ^2/NDF:305.9/5

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

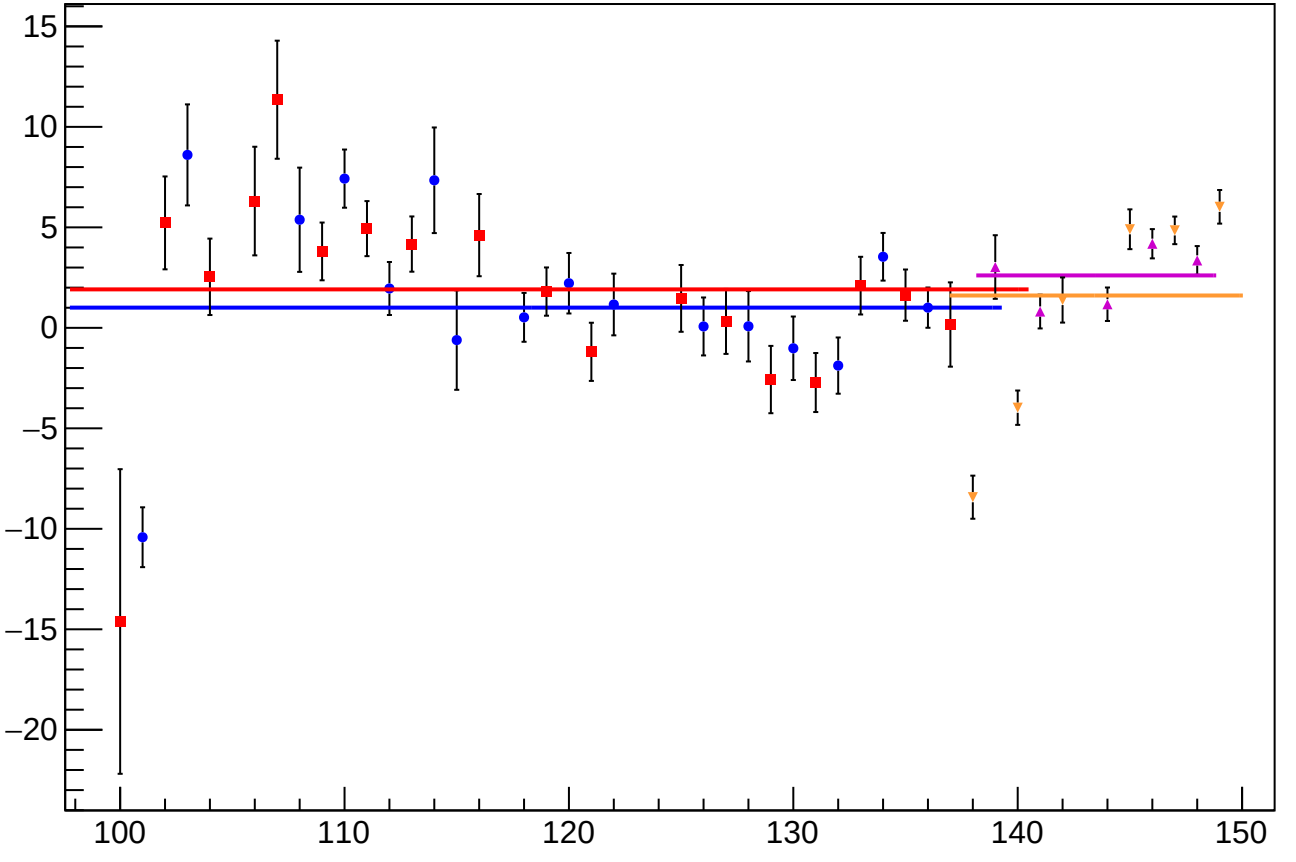
Left In: -52.974+/-0.440 χ^2/NDF:241.2/4

+ sign -58.453+/-0.270 χ^2/NDF: 1233.6/21

All: -59.040+/-0.194 χ^2/NDF: 2174.8/44

- 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: 1.609+/-0.363 χ^2/NDF:191.5/5

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

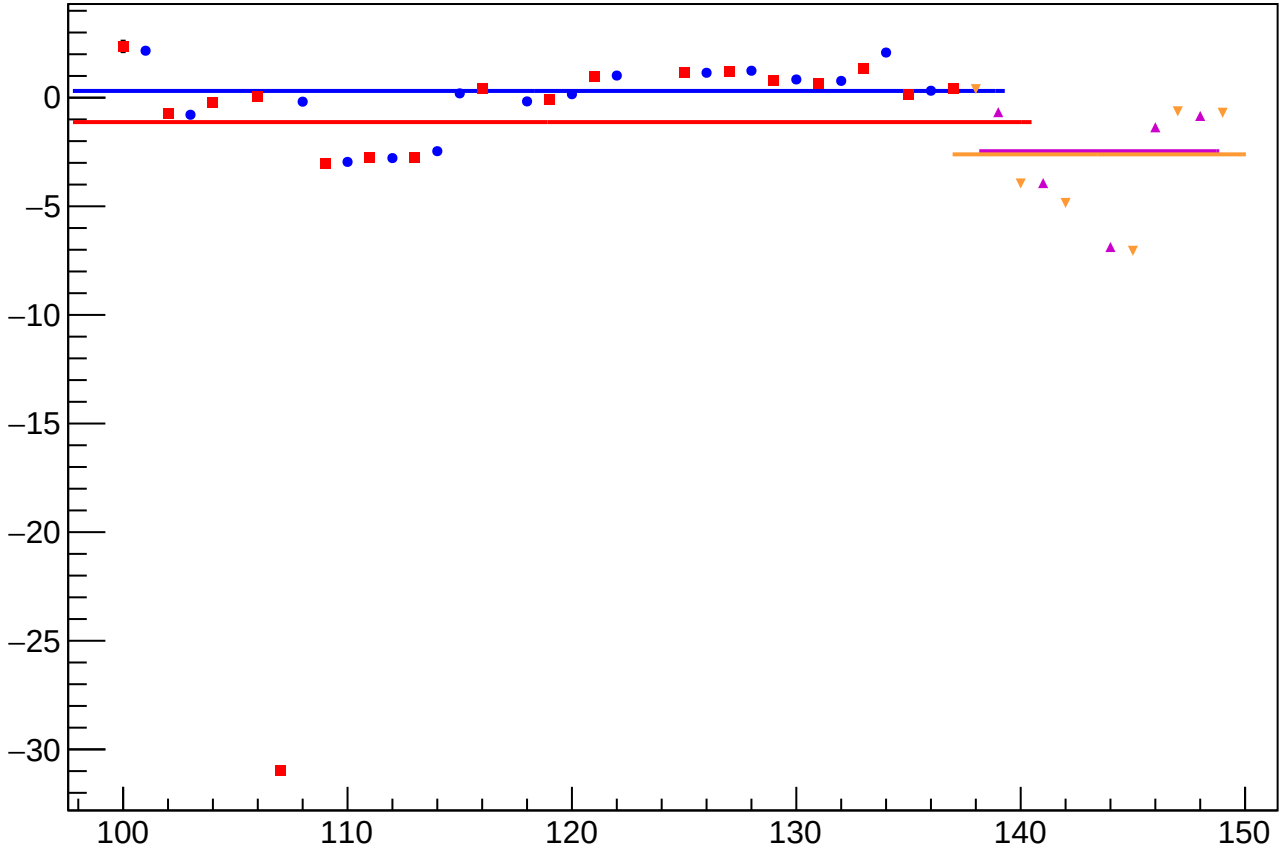
Left In: 2.608+/-0.375 χ^2/NDF:13.4/4

+ sign 1.318+/-0.261 χ^2/NDF: 302.1/21

All: 1.779+/-0.188 χ^2/NDF: 378.0/44

- 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: -2.609+/-0.018 χ^2/NDF:24324.4/5

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

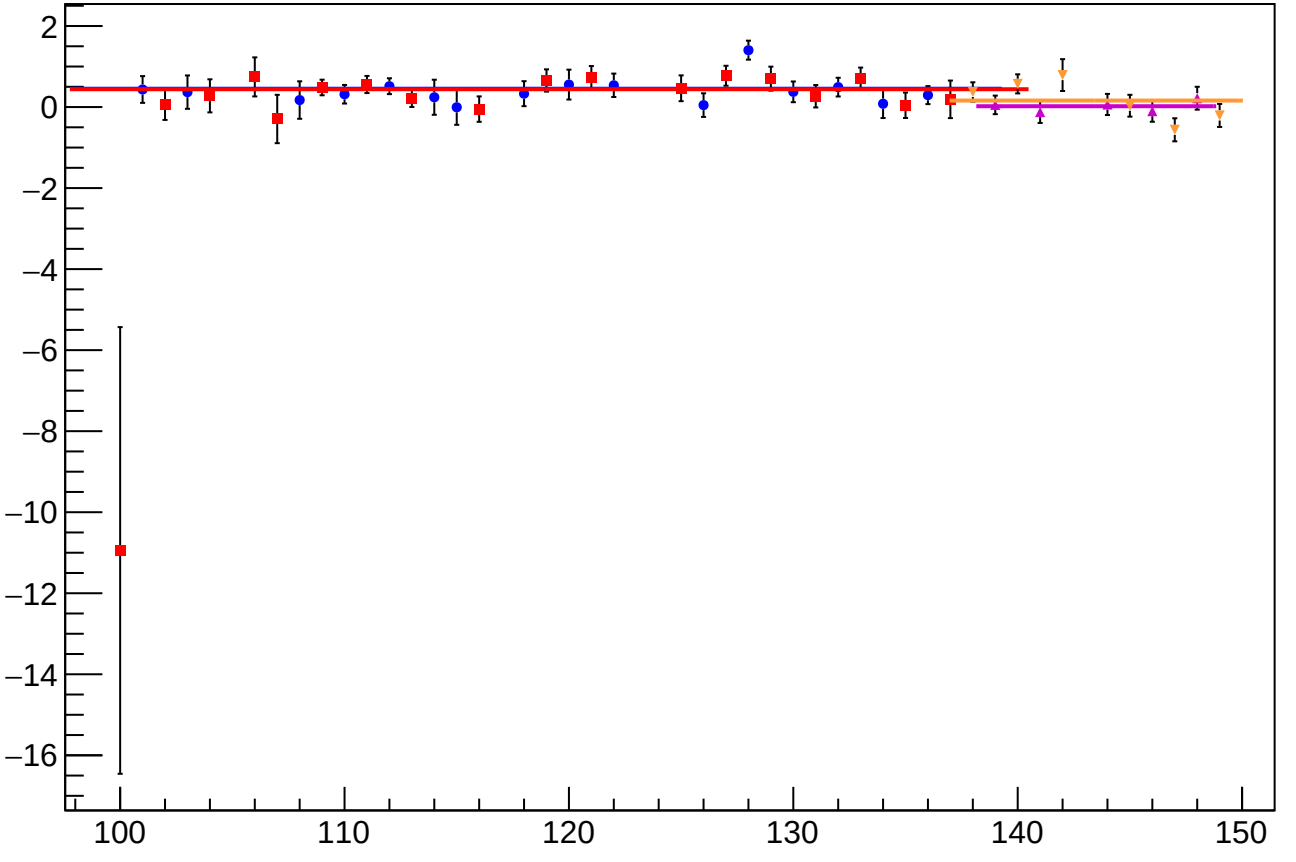
Left In: -2.464+/-0.018 χ^2/NDF:16267.4/4

+ sign -1.414+/-0.013 χ^2/NDF: 40518.8/21

All: -1.669+/-0.010 χ^2/NDF: 106082.4/44

- 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: 0.161+/-0.111 χ^2/NDF:14.8/5

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

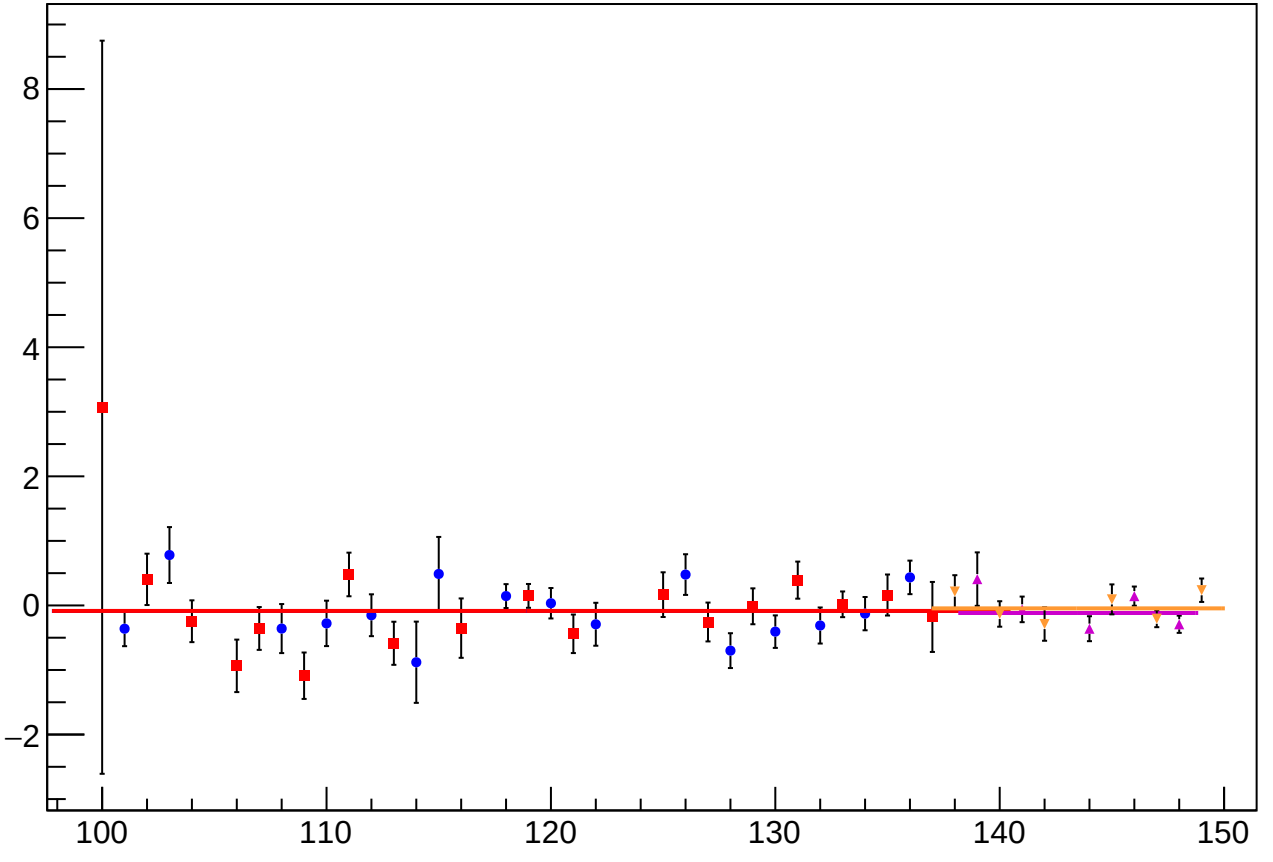
Left In: 0.020+/-0.116 χ^2/NDF:1.0/4

+ sign 0.367+/-0.060 χ^2/NDF: 42.3/21

All: 0.348+/-0.042 χ^2/NDF: 71.7/44

- 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: -0.045+/-0.078 χ^2/NDF:6.4/5

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

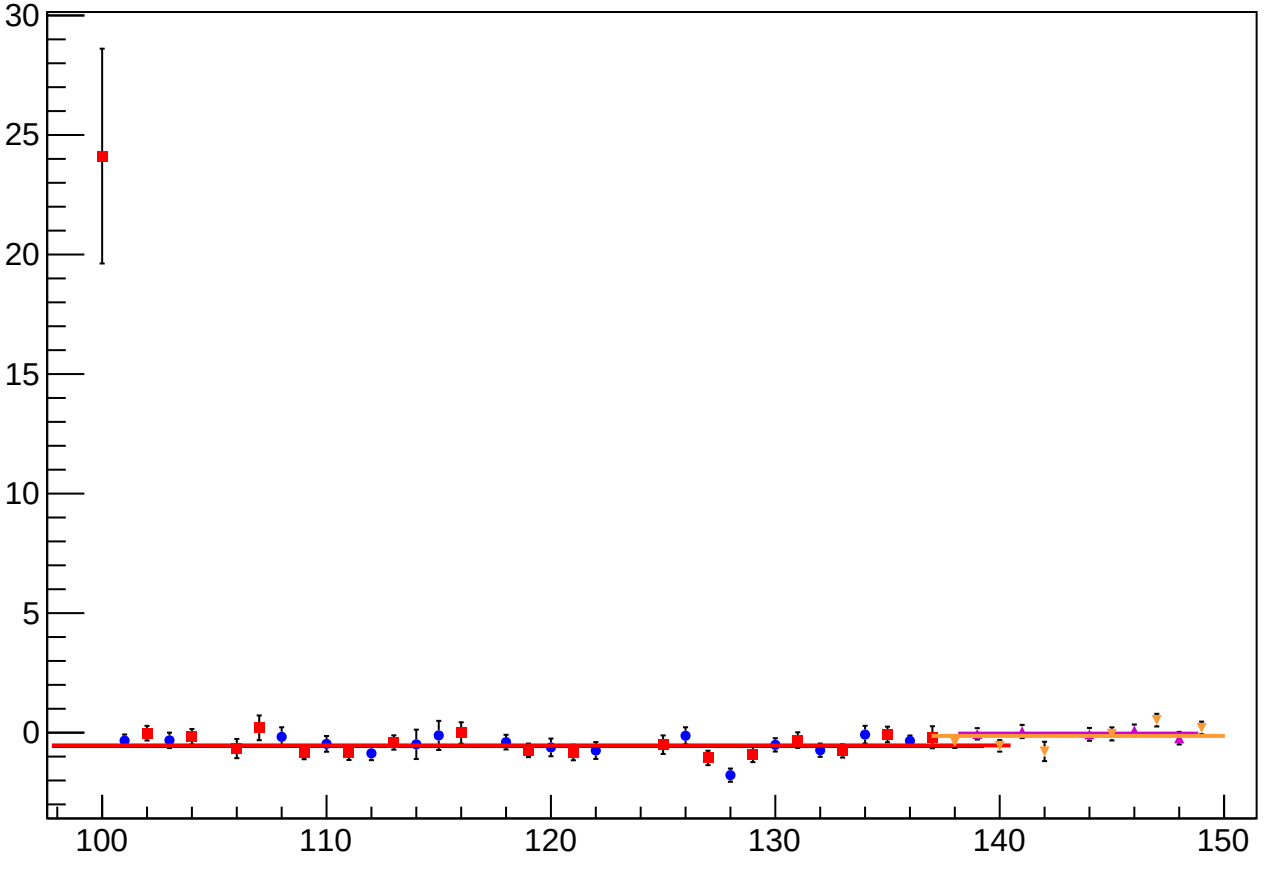
Left In: -0.117+/-0.079 χ^2/NDF:8.1/4

+ sign -0.067+/-0.053 χ^2/NDF: 31.9/21

All: -0.083+/-0.038 χ^2/NDF: 68.1/44

- 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: -0.135+/-0.111 χ^2/NDF:14.4/5

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

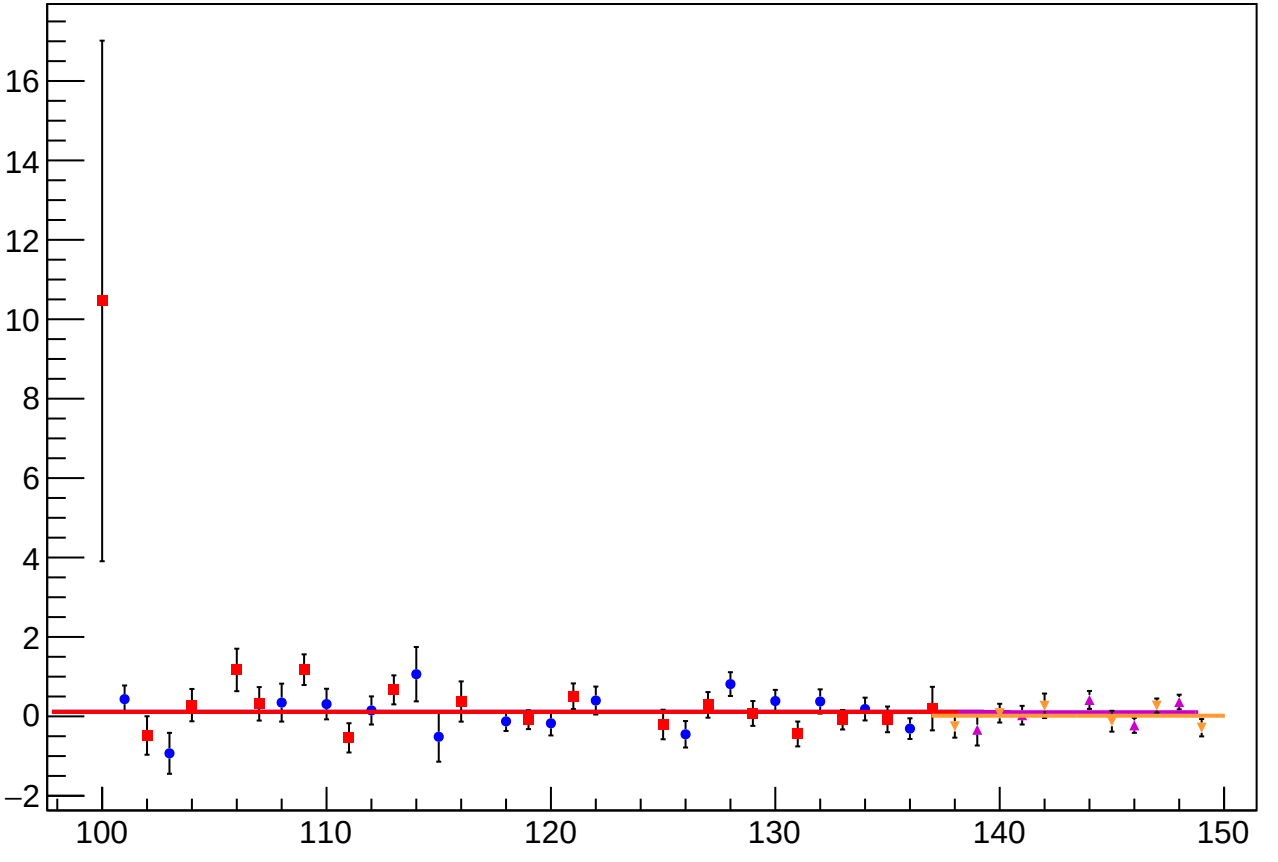
Left In: -0.041+/-0.116 χ^2/NDF:0.9/4

+ sign -0.415+/-0.065 χ^2/NDF: 52.3/21

All: -0.394+/-0.046 χ^2/NDF: 114.8/44

- 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: 0.016+/-0.097 χ^2/NDF:5.8/5

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

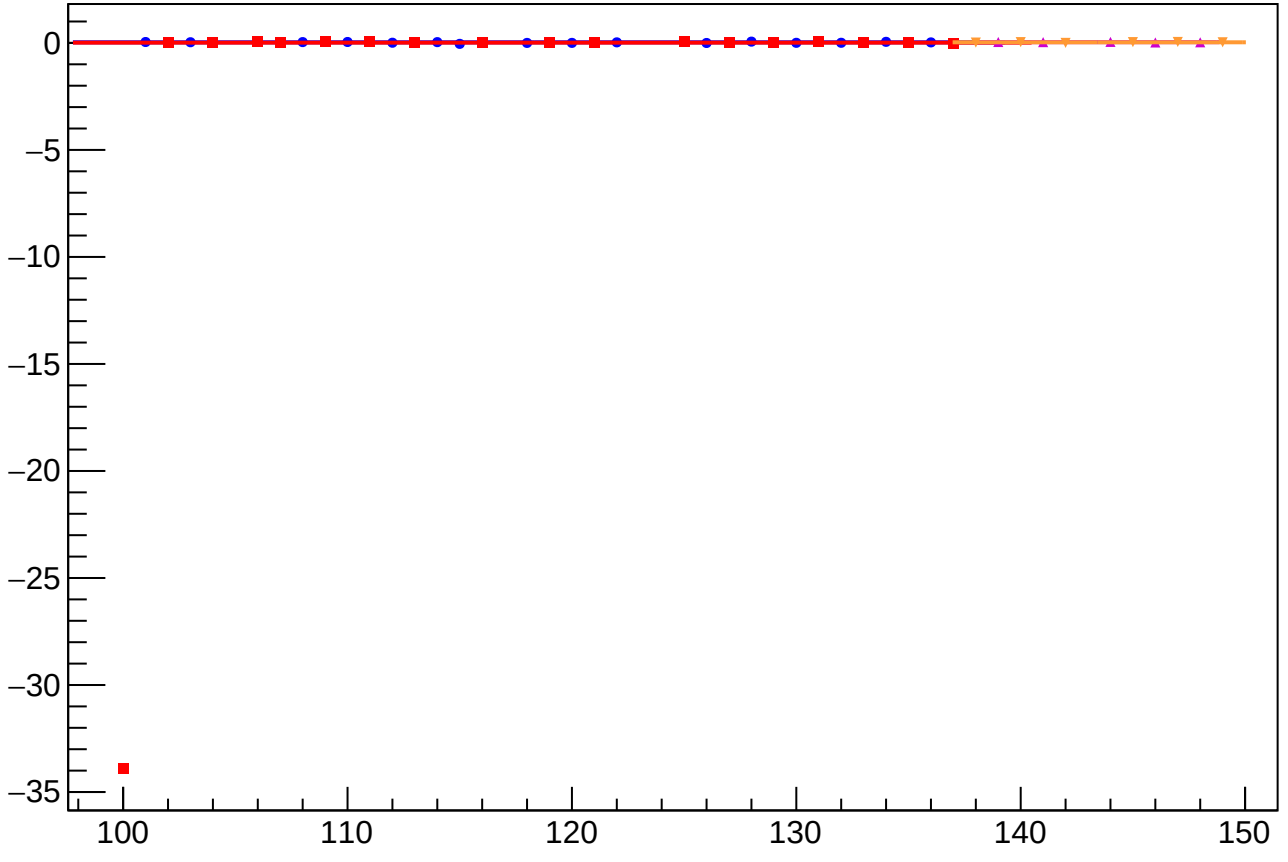
Left In: 0.105+/-0.099 χ^2/NDF:8.2/4

+ sign 0.074+/-0.063 χ^2/NDF: 30.1/21

All: 0.091+/-0.045 χ^2/NDF: 67.4/44

- 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:7.3/5

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

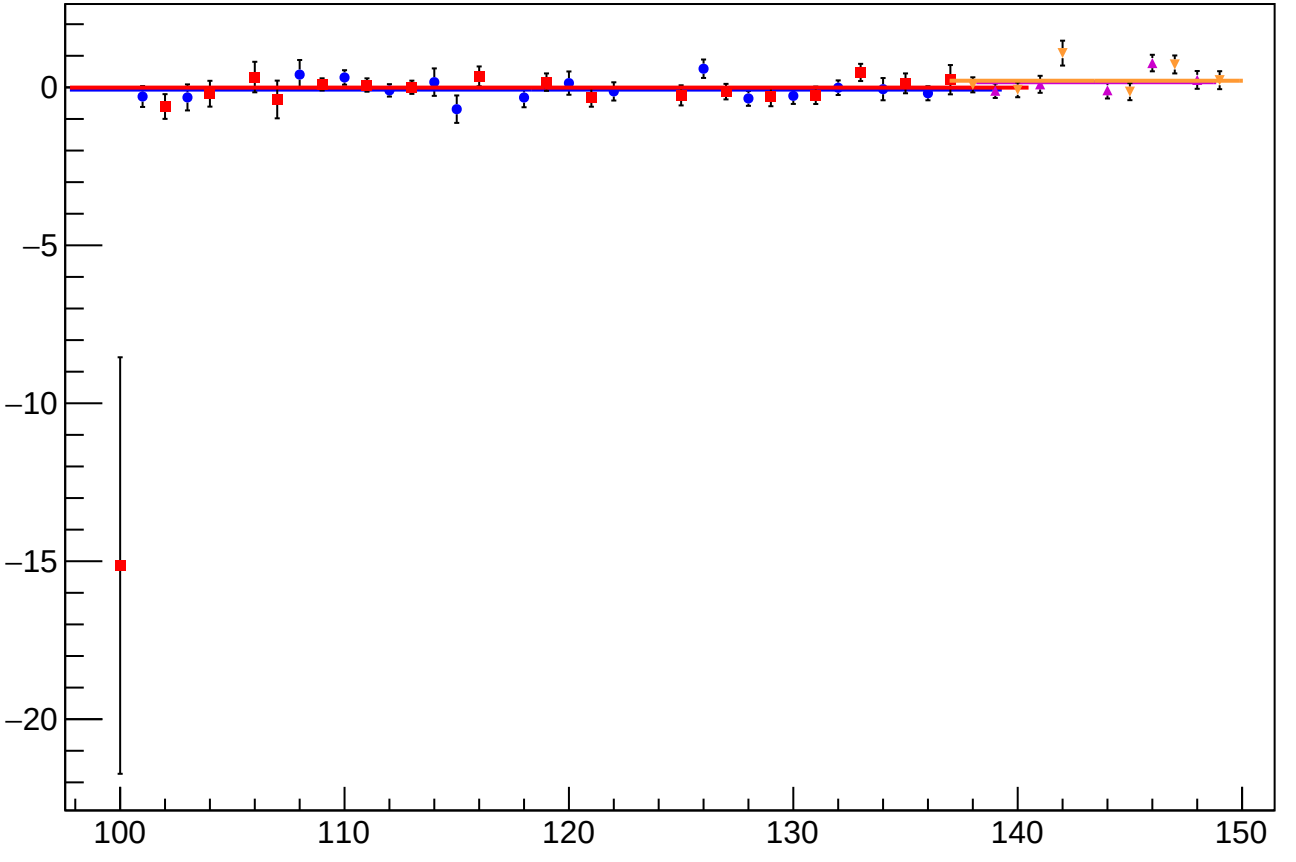
Left In: 0.035+/-0.005 χ^2/NDF:4.1/4

+ sign 0.028+/-0.003 χ^2/NDF: 22.0/21

All: 0.026+/-0.002 χ^2/NDF: 22300.9/44

- 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: 0.210+/-0.111 χ^2/NDF:11.6/5

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

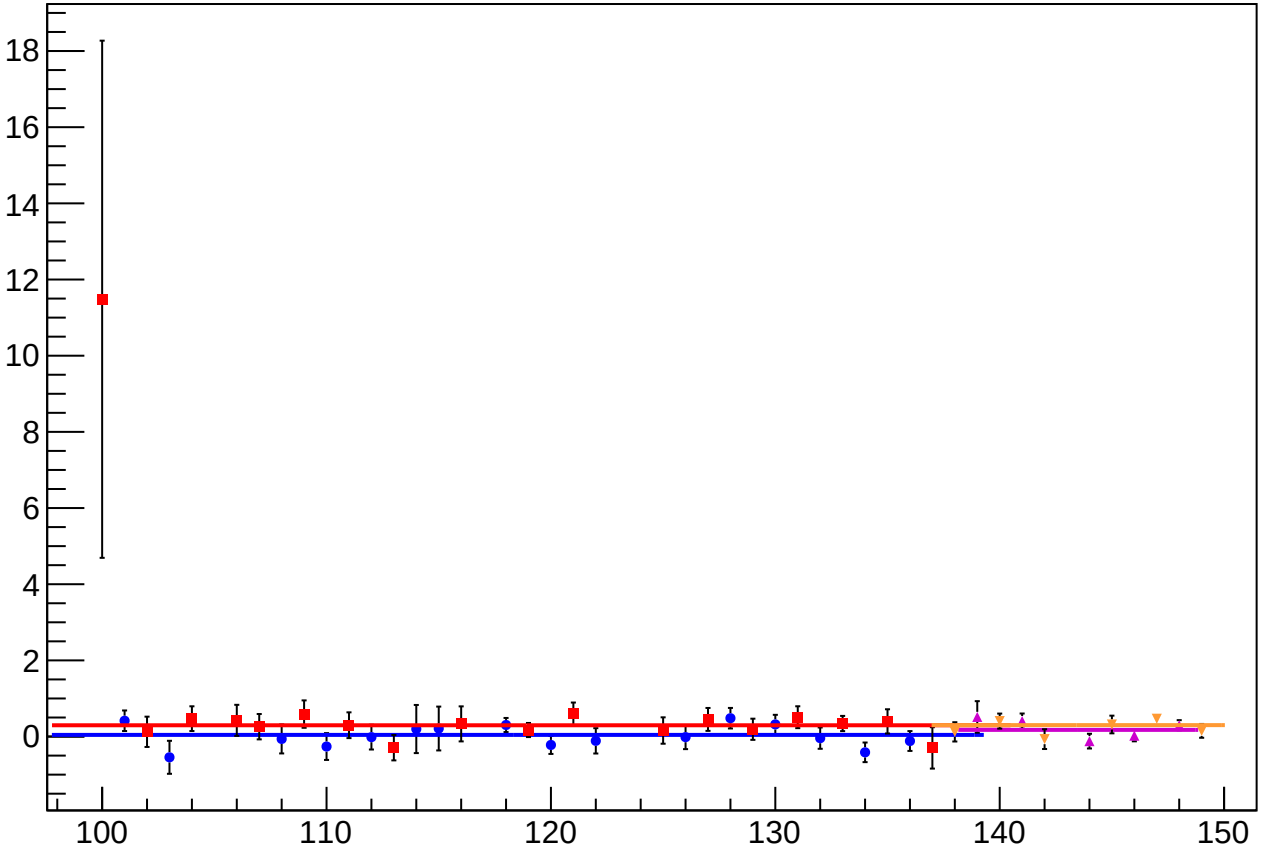
Left In: 0.163+/-0.116 χ^2/NDF:7.8/4

+ sign 0.011+/-0.060 χ^2/NDF: 31.7/21

All: 0.025+/-0.042 χ^2/NDF: 59.3/44

- 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: 0.300+/-0.078 χ^2/NDF:5.1/5

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

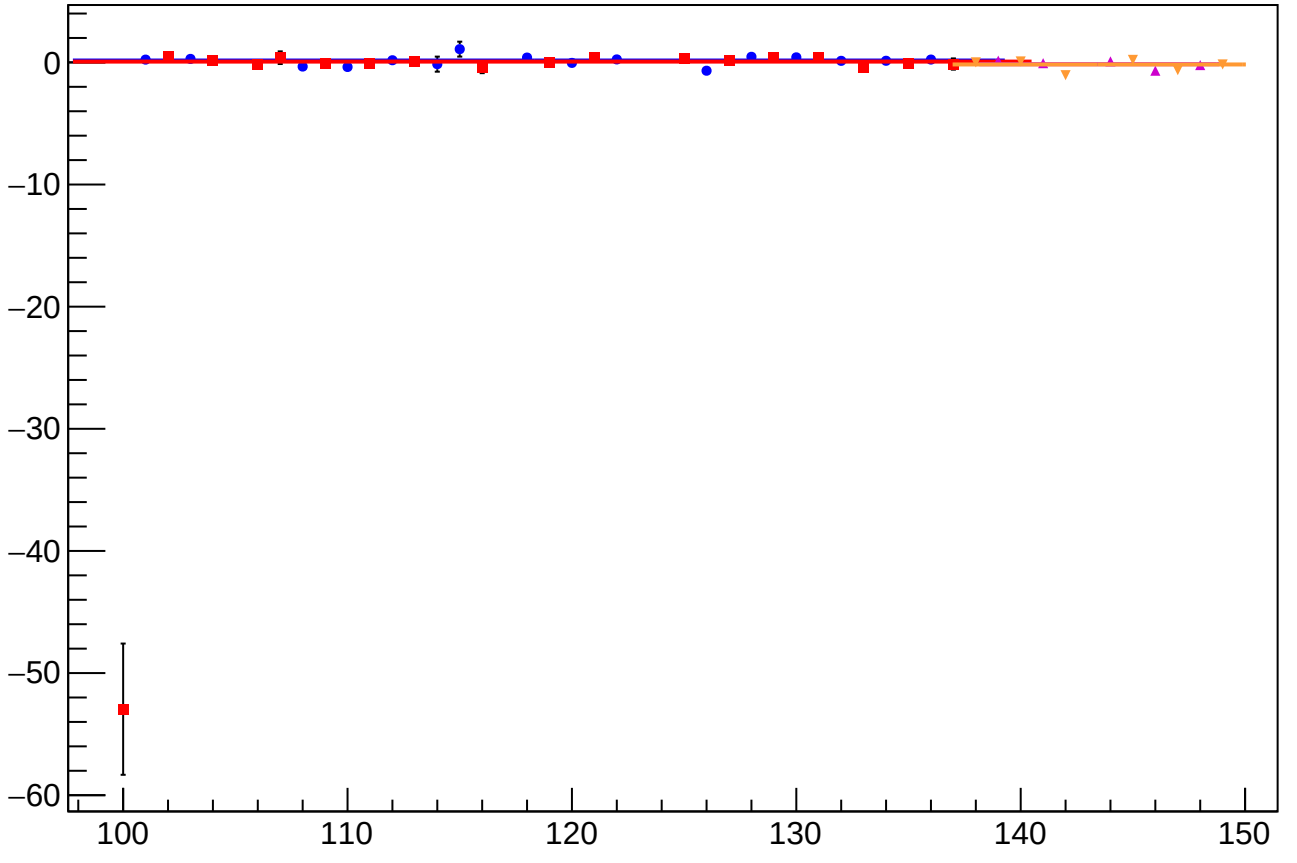
Left In: 0.175+/-0.079 χ^2/NDF:6.3/4

+ sign 0.163+/-0.053 χ^2/NDF: 26.6/21

All: 0.201+/-0.038 χ^2/NDF: 46.1/44

- 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: -0.169+/-0.111 χ^2/NDF:11.2/5

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

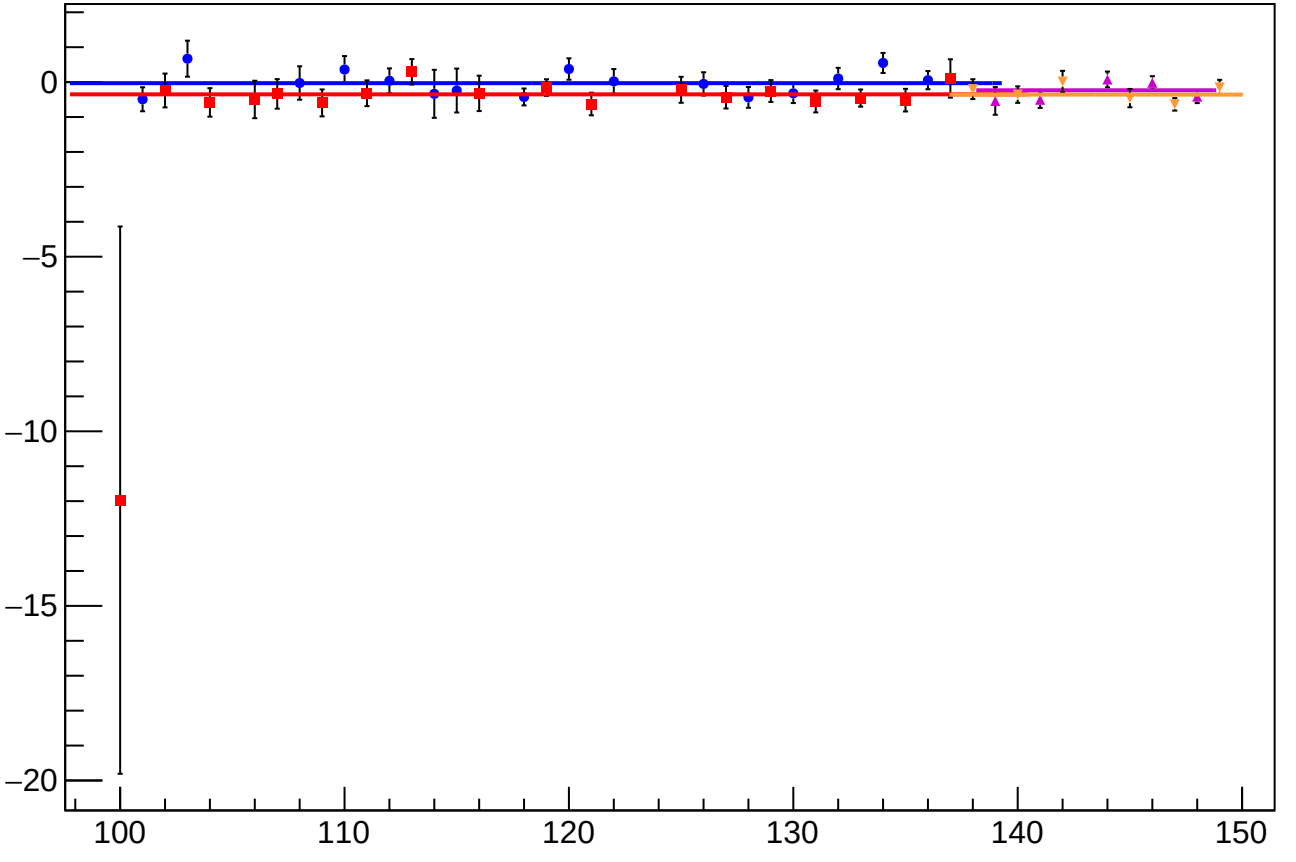
Left In: -0.148+/-0.116 χ^2/NDF:6.9/4

+ sign 0.044+/-0.065 χ^2/NDF: 32.4/21

All: 0.020+/-0.046 χ^2/NDF: 151.2/44

- 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: -0.358+/-0.096 χ^2/NDF:5.2/5

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

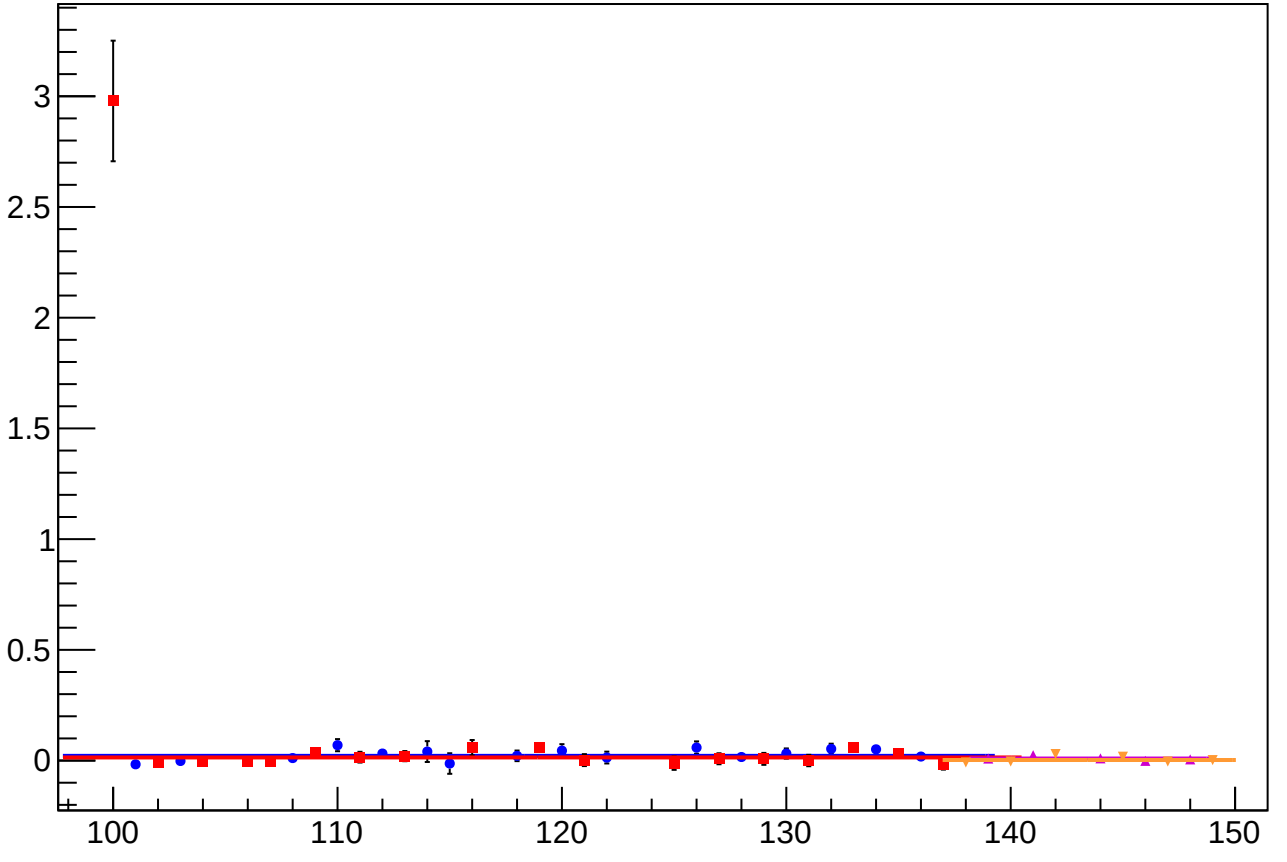
Left In: -0.234+/-0.099 χ^2/NDF:6.1/4

+ sign -0.171+/-0.063 χ^2/NDF: 28.5/21

All: -0.235+/-0.045 χ^2/NDF: 46.9/44

- 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:6.5/5

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

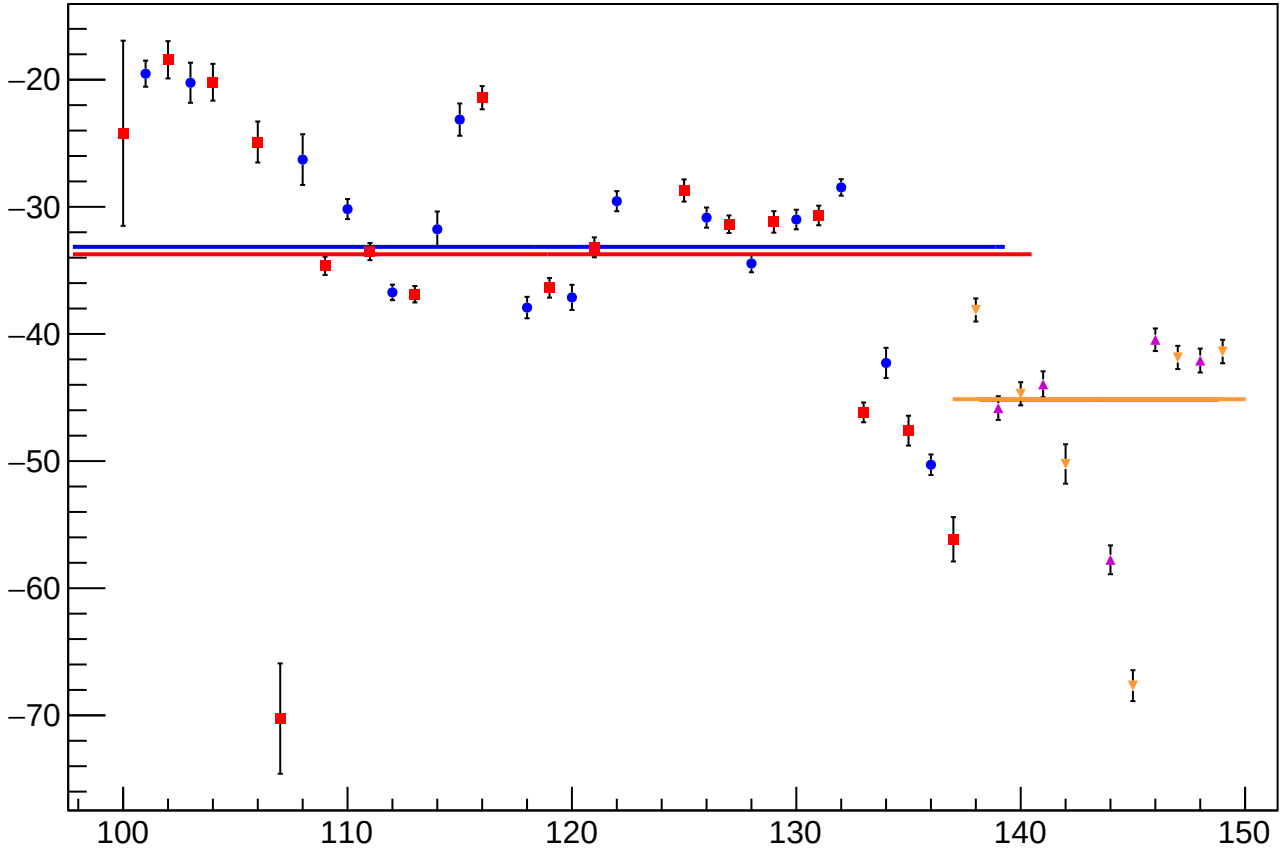
Left In: 0.009+/-0.005 χ^2/NDF:2.9/4

+ sign 0.012+/-0.003 χ^2/NDF: 36.8/21

All: 0.012+/-0.002 χ^2/NDF: 181.1/44

- 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: -45.129+/-0.412 χ^2/NDF:442.6/5

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

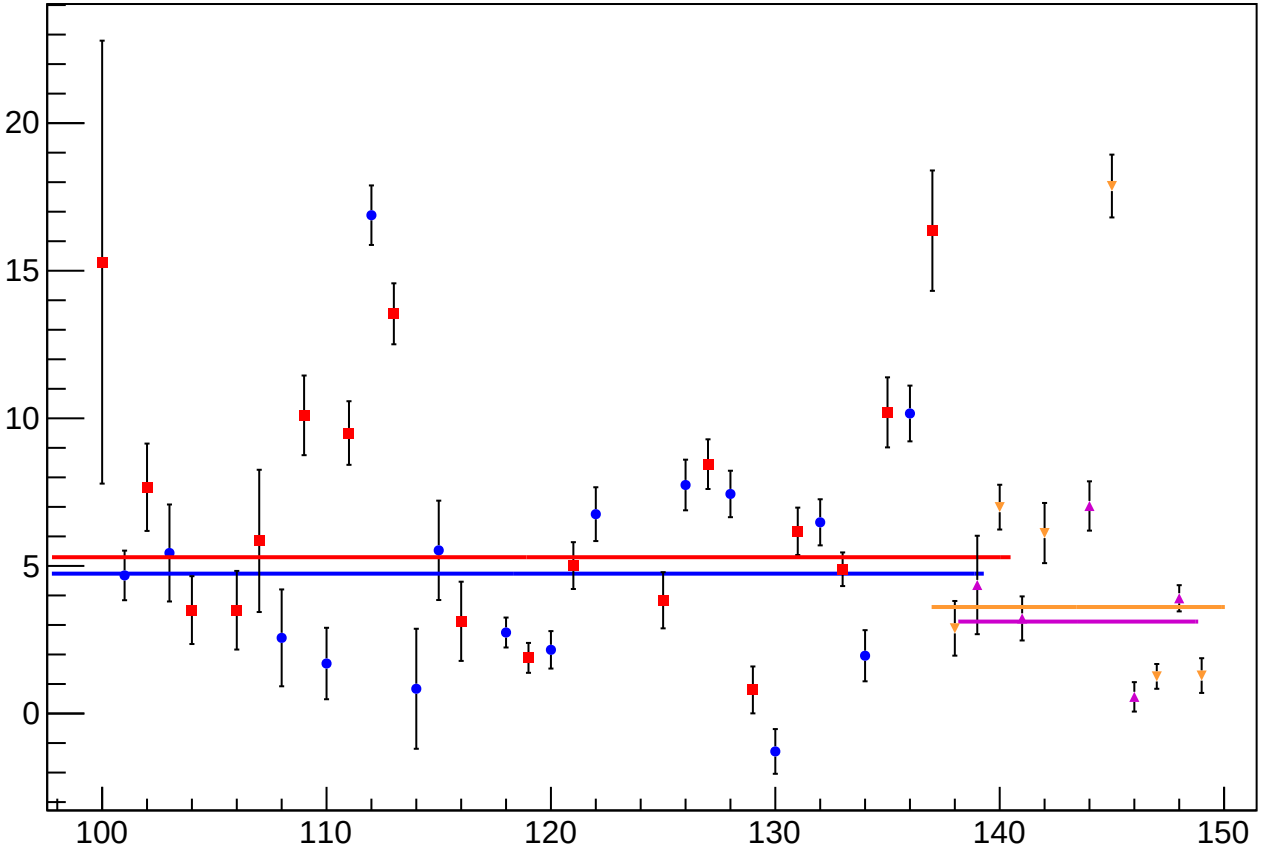
Left In: -45.160+/-0.435 χ^2/NDF:164.1/4

+ sign -35.764+/-0.193 χ^2/NDF: 2116.1/21

All: -35.868+/-0.136 χ^2/NDF: 3984.4/44

- 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: 3.608+/-0.274 χ^2/NDF:253.1/5

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

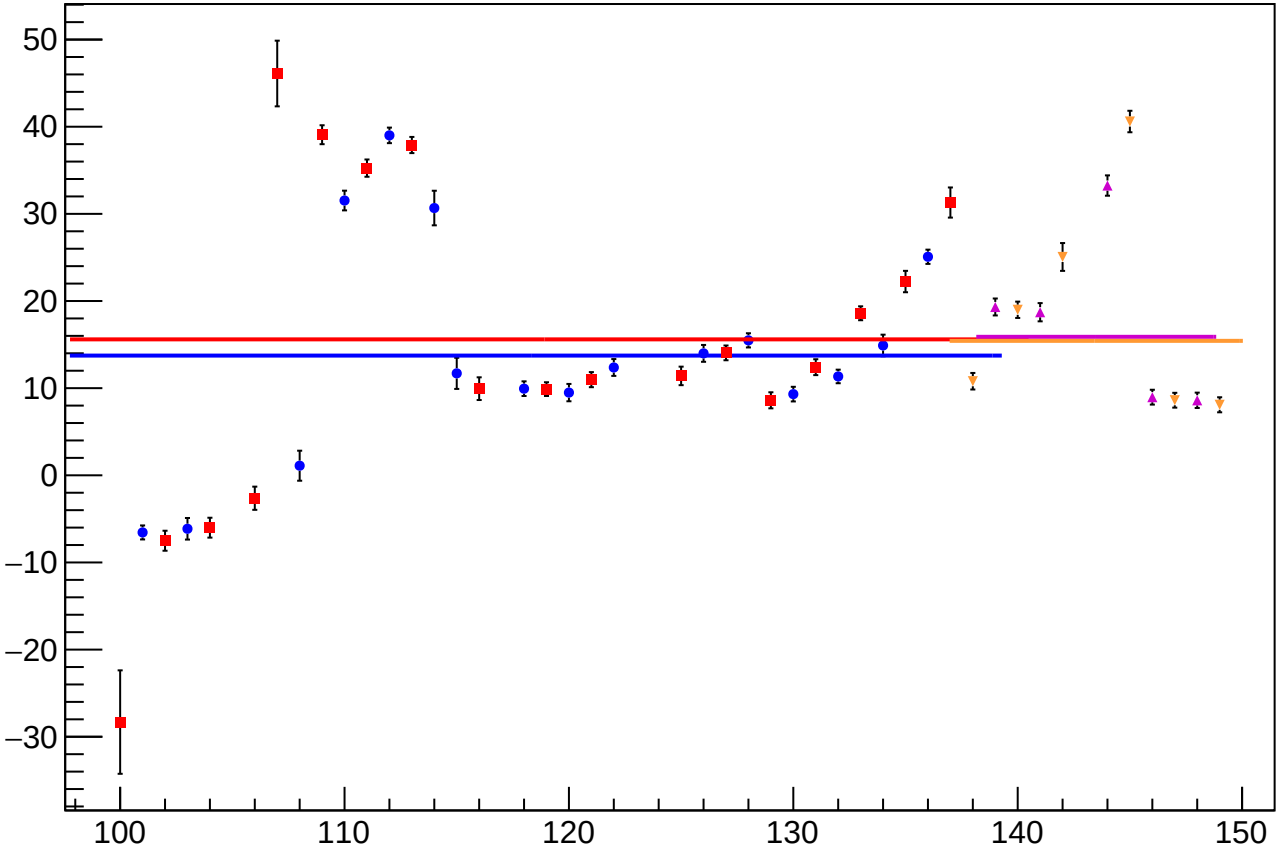
Left In: 3.115+/-0.281 χ^2/NDF:51.9/4

\+ sign 4.297+/-0.171 χ^2/NDF: 593.1/21

All: 4.372+/-0.122 χ^2/NDF: 927.3/44

\- 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: 15.429+/-0.407 χ^2/NDF:628.1/5

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

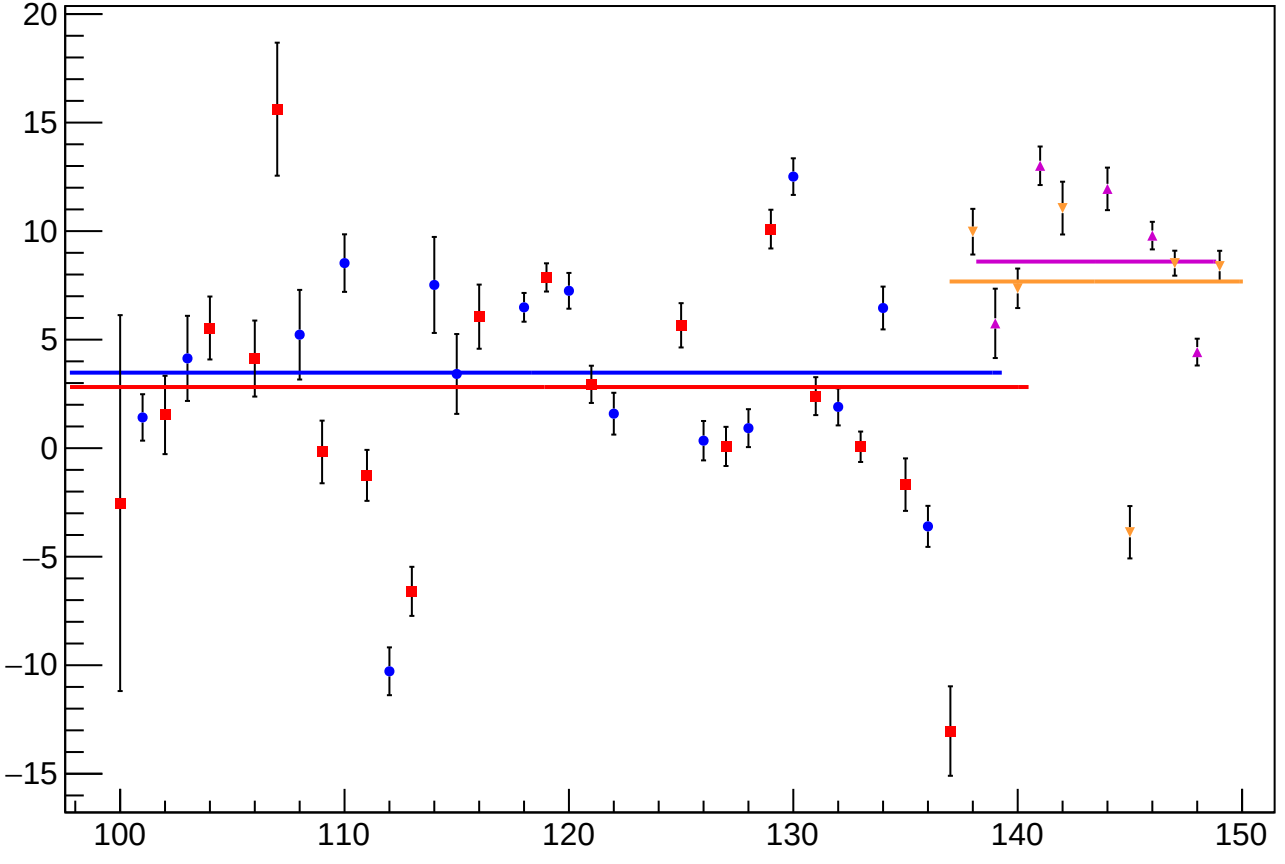
Left In: 15.892+/-0.431 χ^2/NDF:375.5/4

+ sign 14.192+/-0.211 χ^2/NDF: 2990.6/21

All: 14.914+/-0.151 χ^2/NDF: 6216.8/44

- 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: 7.679+/-0.343 χ^2/NDF:107.5/5

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

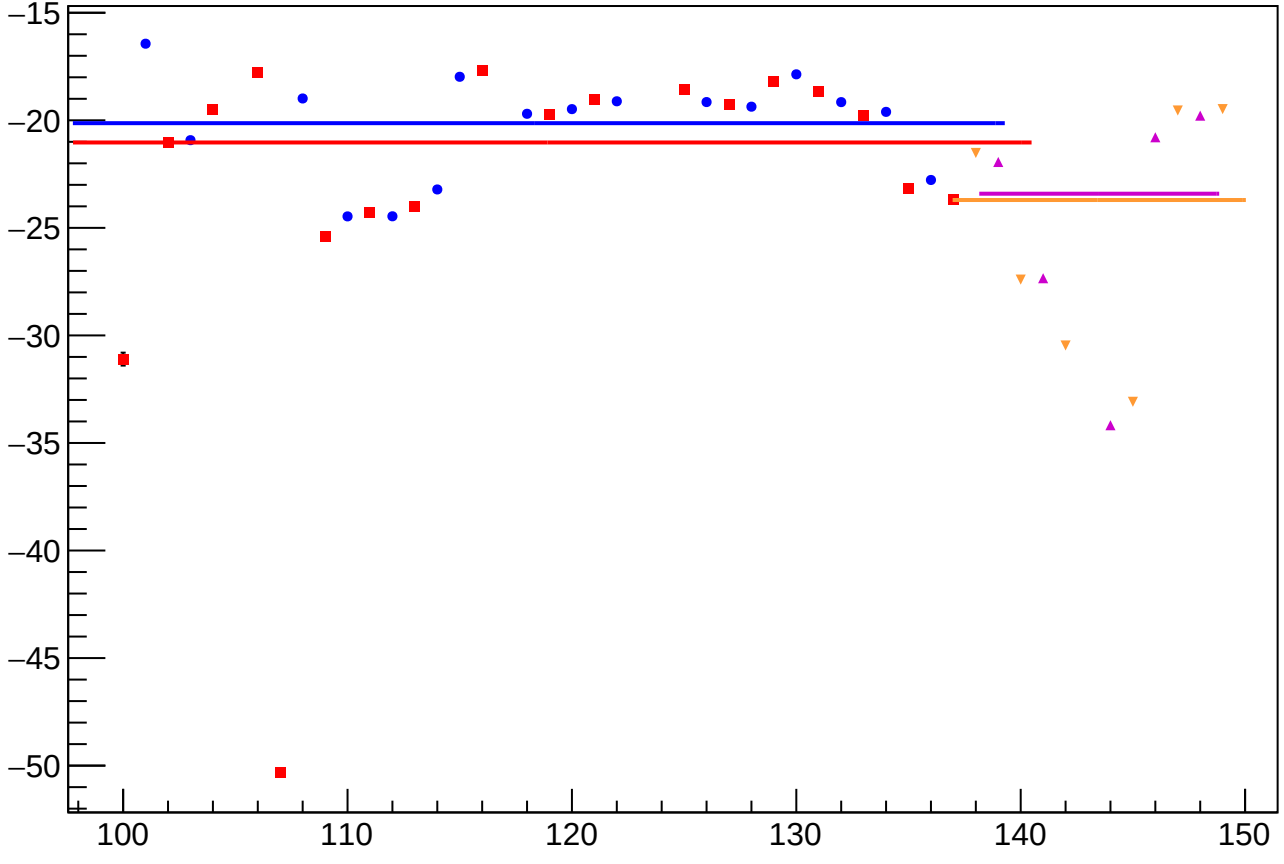
Left In: 8.597+/-0.358 χ^2/NDF:88.7/4

+ sign 4.963+/-0.204 χ^2/NDF: 632.0/21

All: 4.876+/-0.146 χ^2/NDF: 1238.2/44

- 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: -23.705+/-0.017 χ^2/NDF:84793.8/5

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

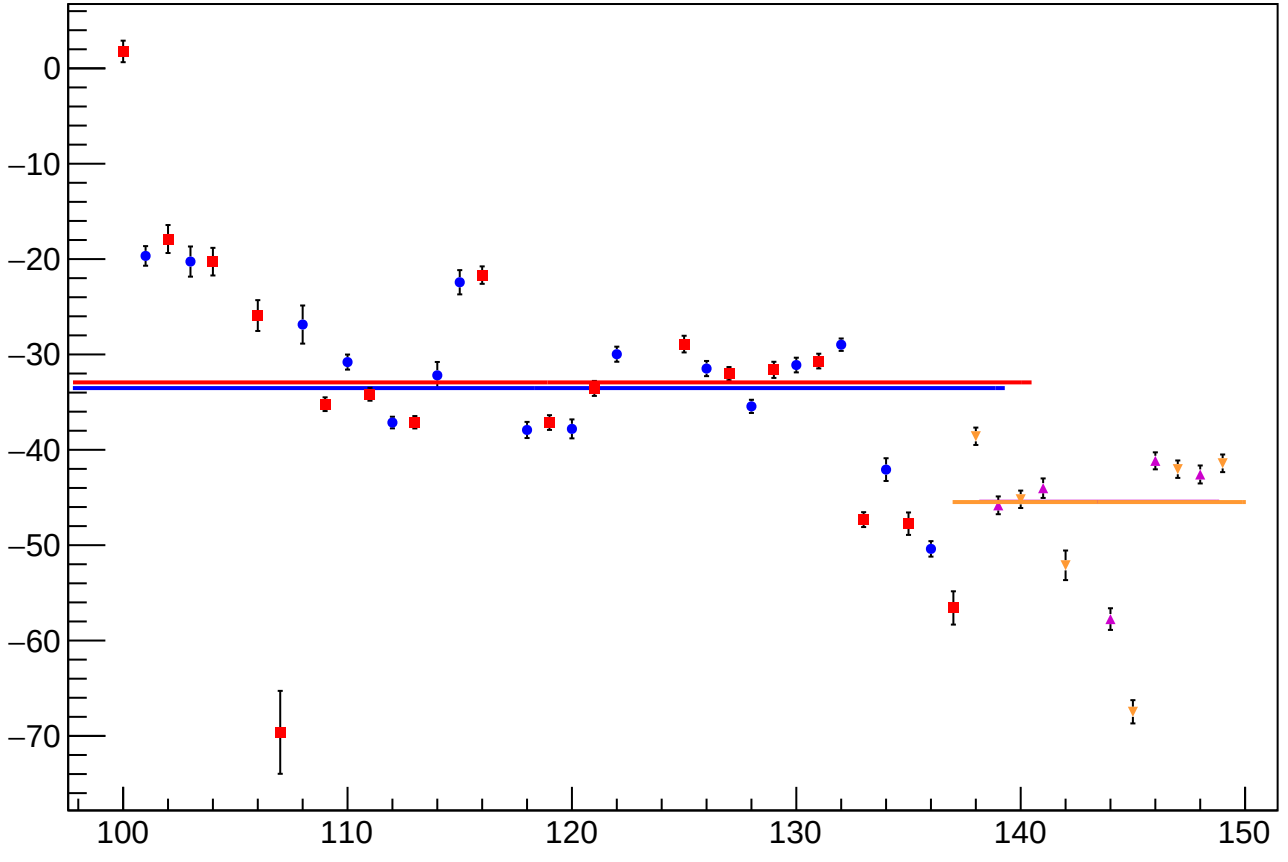
Left In: -23.412+/-0.017 χ^2/NDF:67878.2/4

+ sign -21.796+/-0.012 χ^2/NDF: 127779.9/21

All: -21.970+/-0.008 χ^2/NDF: 263492.3/44

- 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: -45.478+/-0.413 χ^2/NDF:434.1/5

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

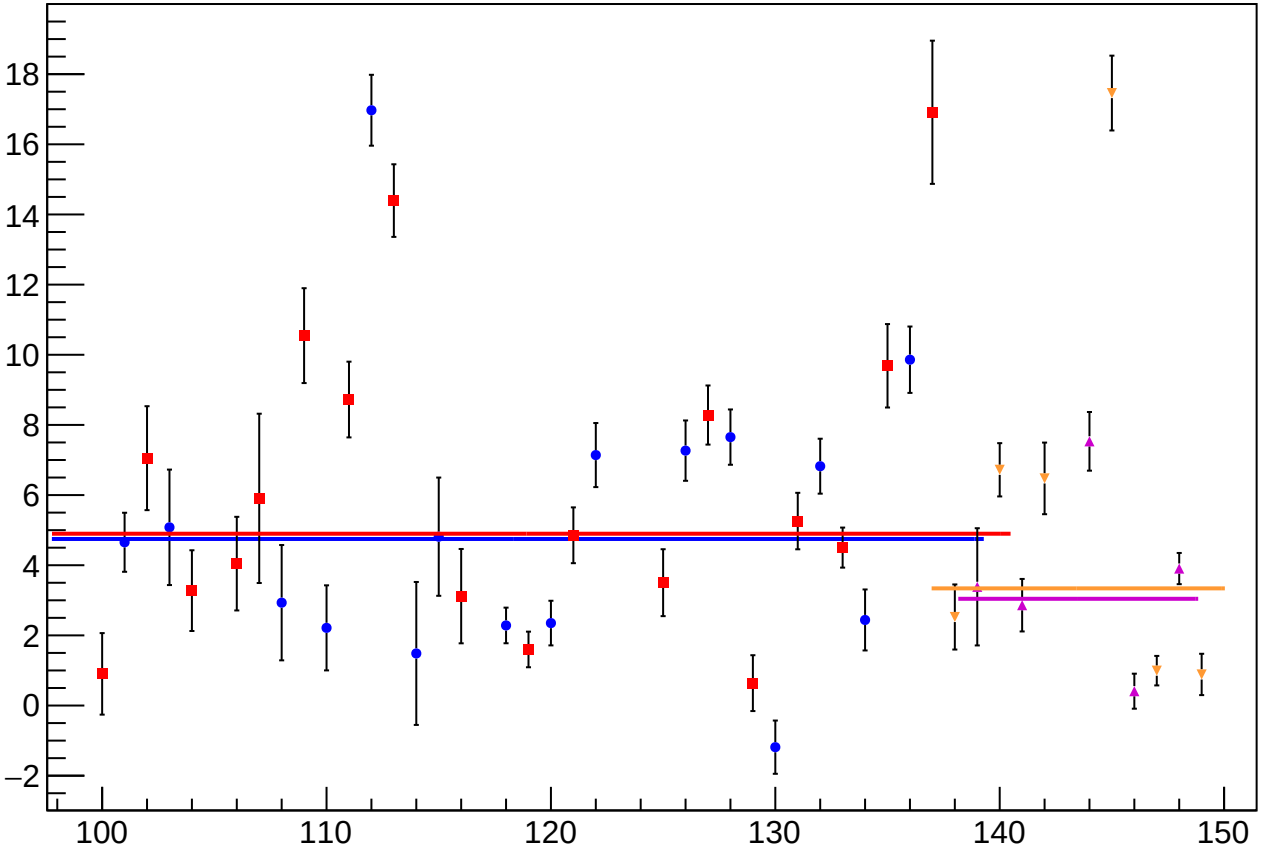
Left In: -45.443+/-0.436 χ^2/NDF:151.9/4

+ sign -36.139+/-0.193 χ^2/NDF: 2096.6/21

All: -35.723+/-0.136 χ^2/NDF: 5094.8/44

- 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: 3.340+/-0.275 χ^2/NDF:253.7/5

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

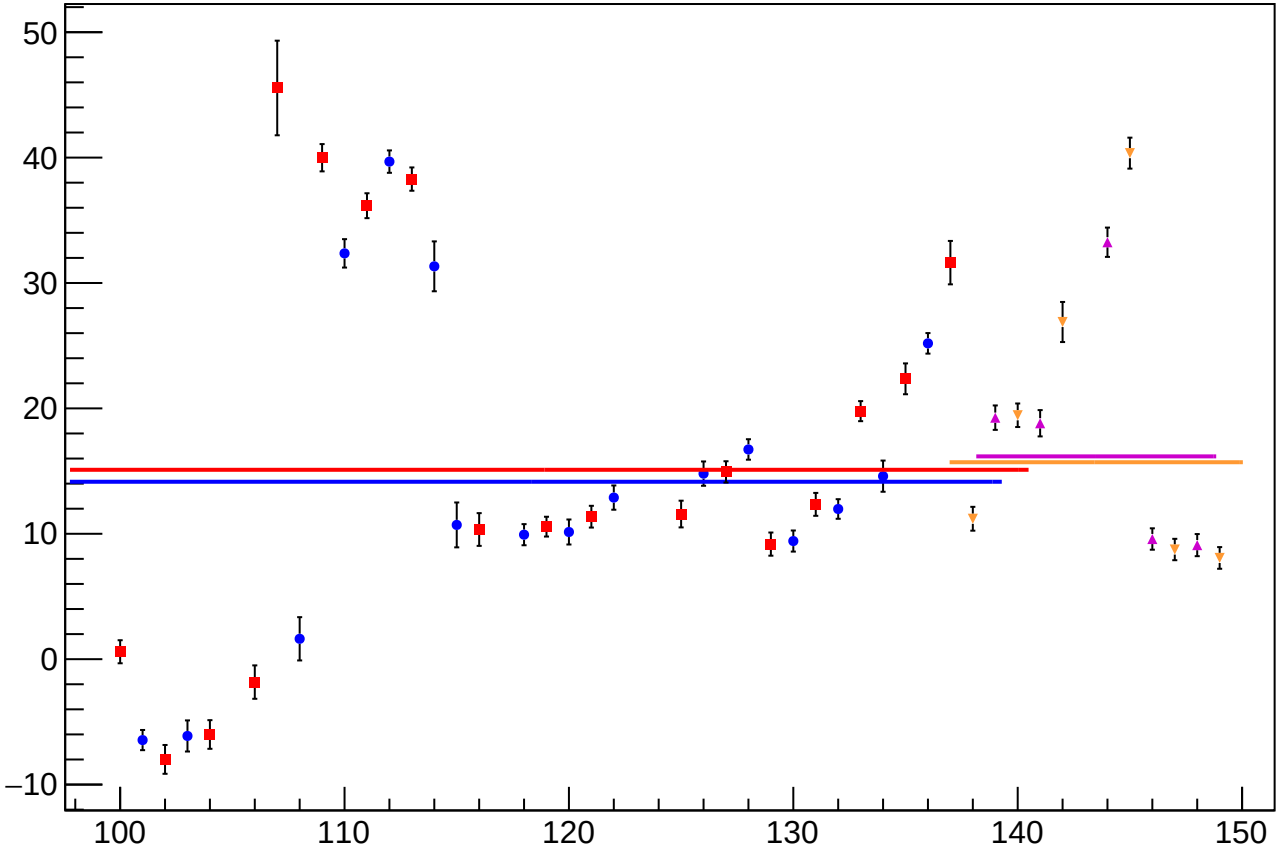
Left In: 3.043+/-0.281 χ^2/NDF:60.5/4

\+ sign 4.199+/-0.172 χ^2/NDF: 595.5/21

All: 4.196+/-0.122 χ^2/NDF: 956.1/44

\- 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: 15.706+/-0.408 χ^2/NDF:630.4/5

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

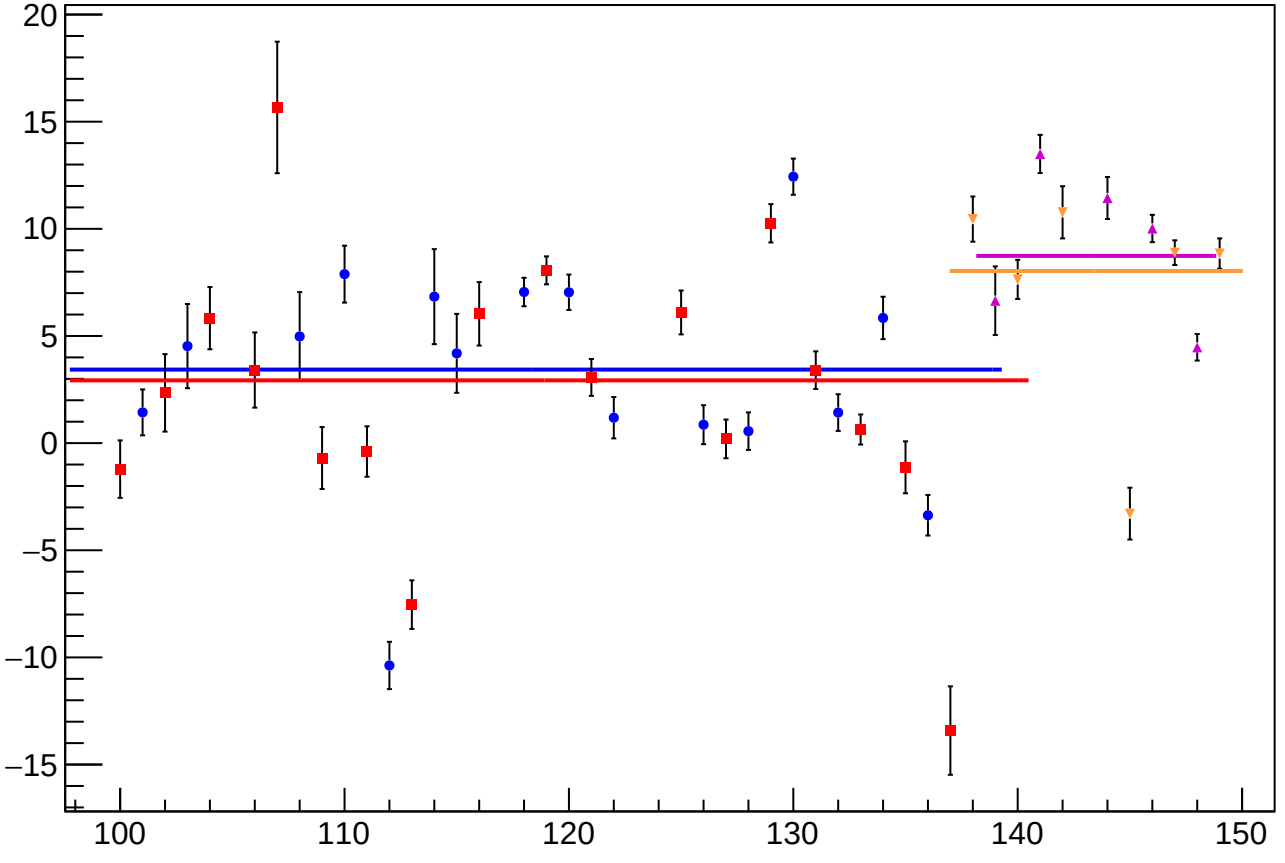
Left In: 16.173+/-0.432 χ^2/NDF:353.9/4

+ sign 14.567+/-0.211 χ^2/NDF: 3043.4/21

All: 14.963+/-0.149 χ^2/NDF: 6511.3/44

- 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: 8.033+/-0.344 χ^2/NDF:101.7/5

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

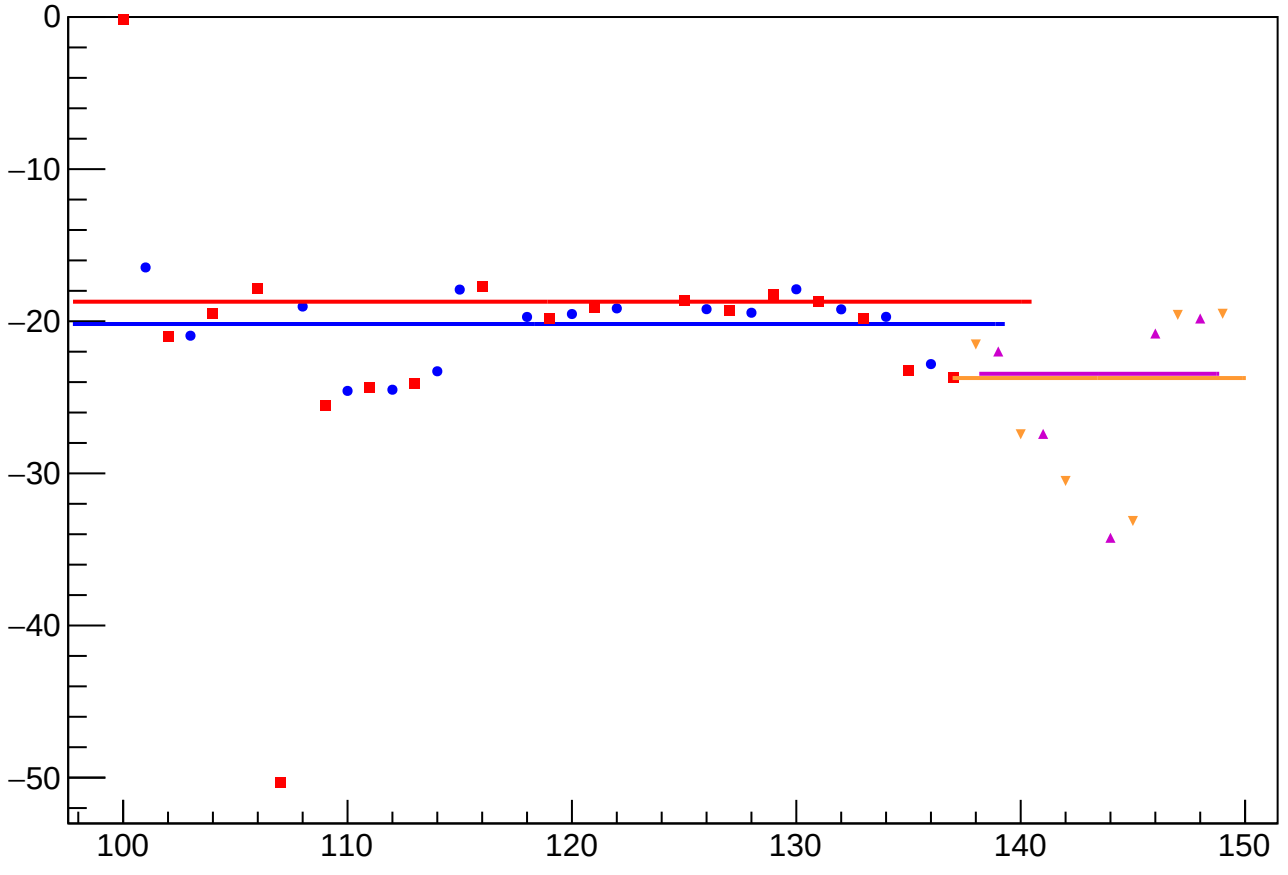
Left In: 8.738+/-0.359 χ^2/NDF:89.5/4

+ sign 5.058+/-0.204 χ^2/NDF: 641.5/21

All: 4.962+/-0.145 χ^2/NDF: 1274.2/44

- 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: -23.733+/-0.017 χ^2/NDF:84599.1/5

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

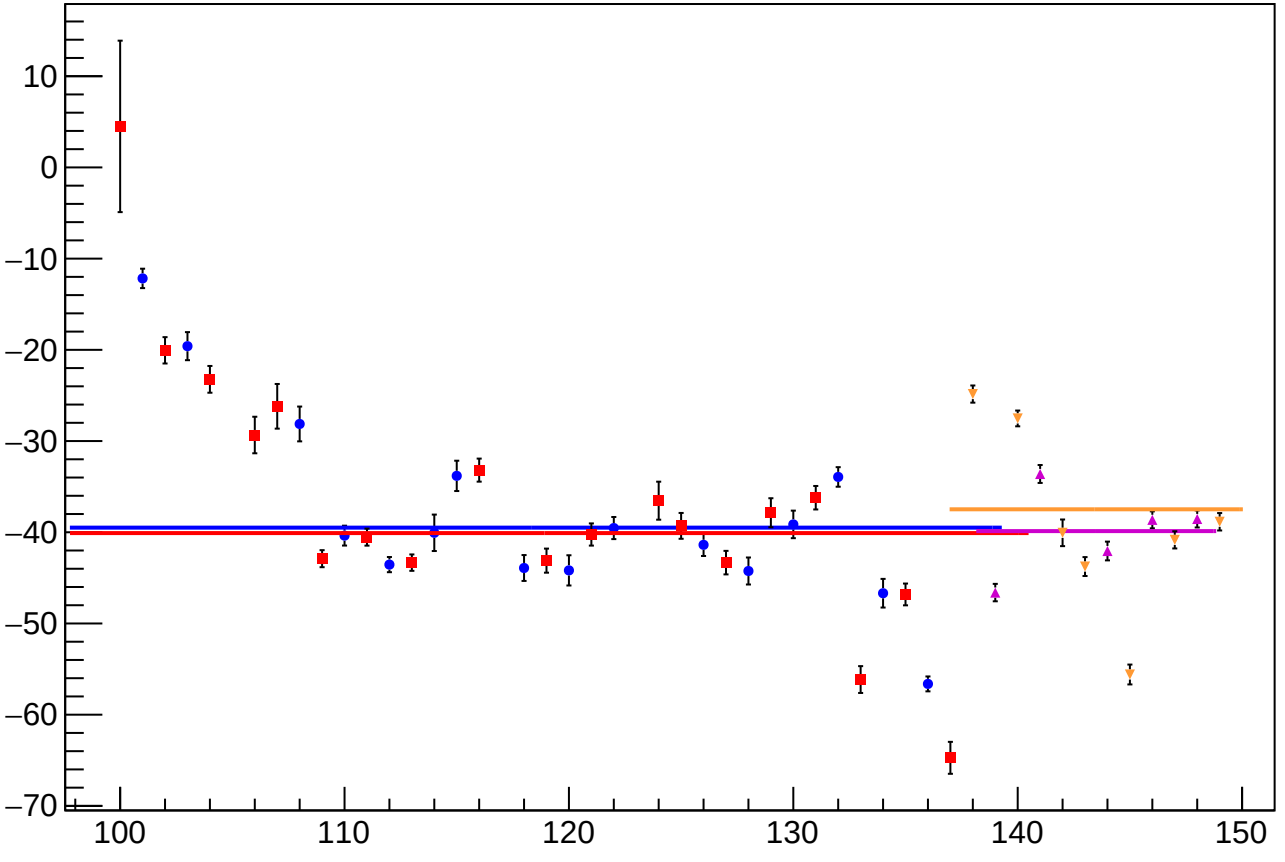
Left In: -23.453+/-0.017 χ^2/NDF:67982.4/4

+ sign -21.834+/-0.012 χ^2/NDF: 127265.0/21

All: -21.317+/-0.008 χ^2/NDF: 474744.9/44

- 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: -37.483+/-0.380 χ^2/NDF:644.4/6

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

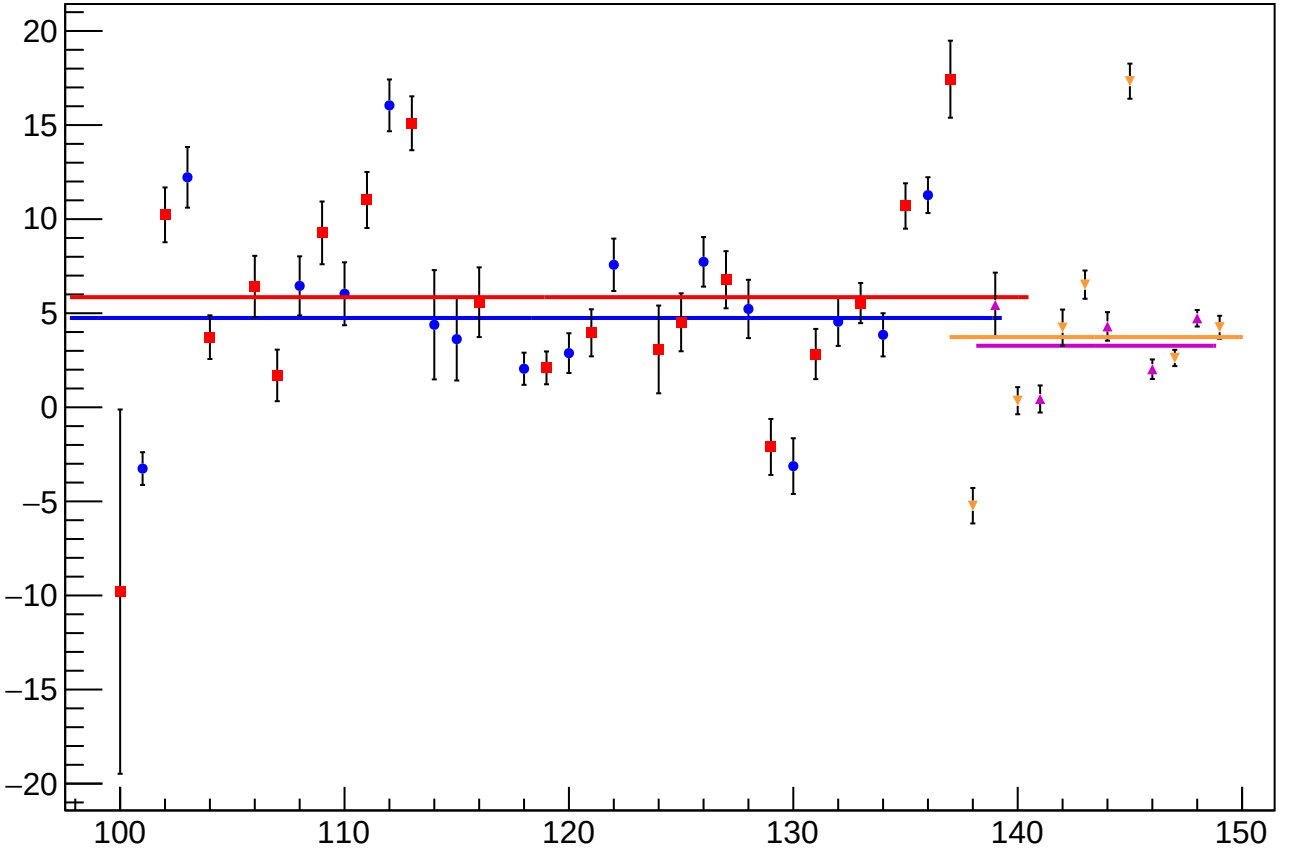
Left In: -39.873+/-0.431 χ^2/NDF:98.8/4

+ sign -38.687+/-0.240 χ^2/NDF: 2078.3/22

All: -39.326+/-0.173 χ^2/NDF: 3026.8/46

- 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: 3.733+/-0.257 χ^2/NDF:346.7/6

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

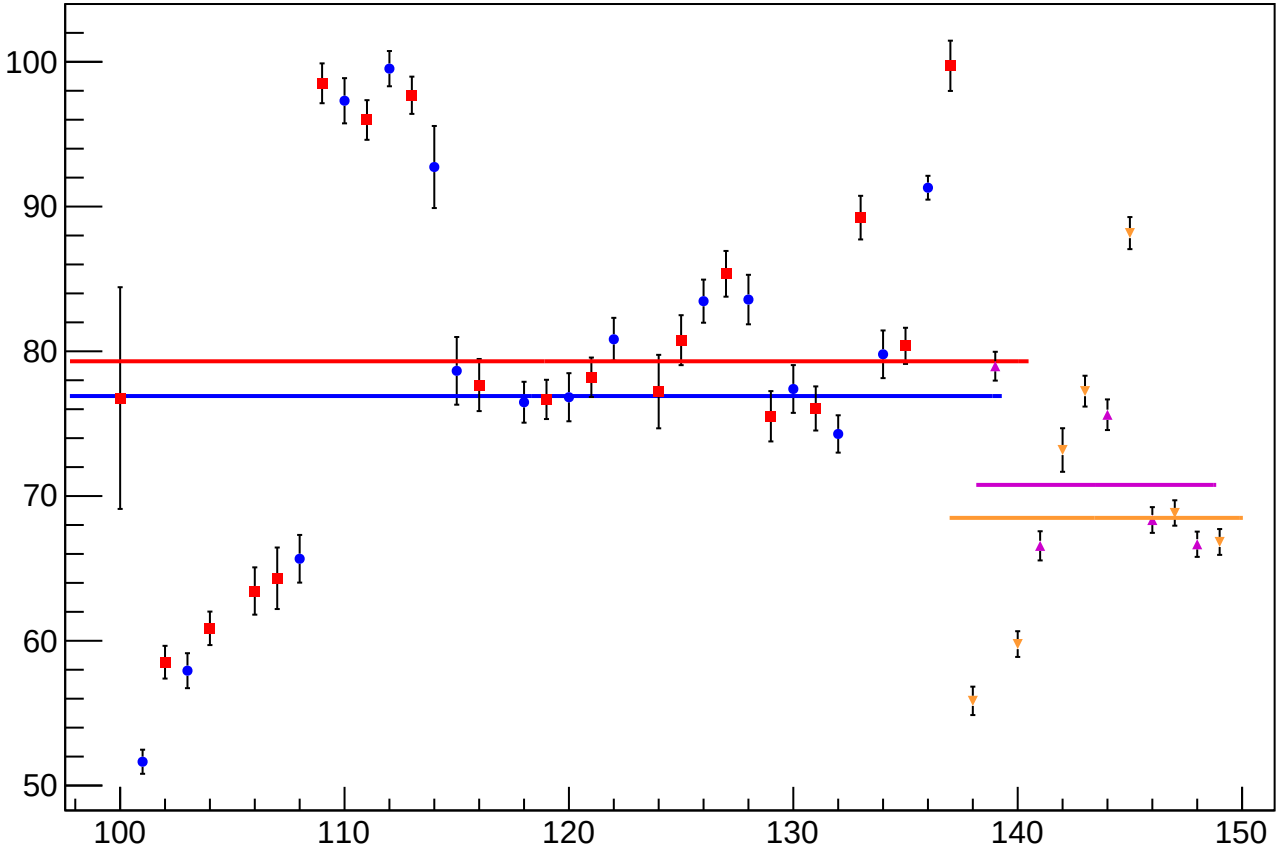
Left In: 3.271+/-0.279 χ^2/NDF:35.7/4

+ sign 4.137+/-0.199 χ^2/NDF: 626.7/22

All: 4.247+/-0.145 χ^2/NDF: 887.2/46

- 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: 68.492+/-0.378 χ^2/NDF:658.2/6

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

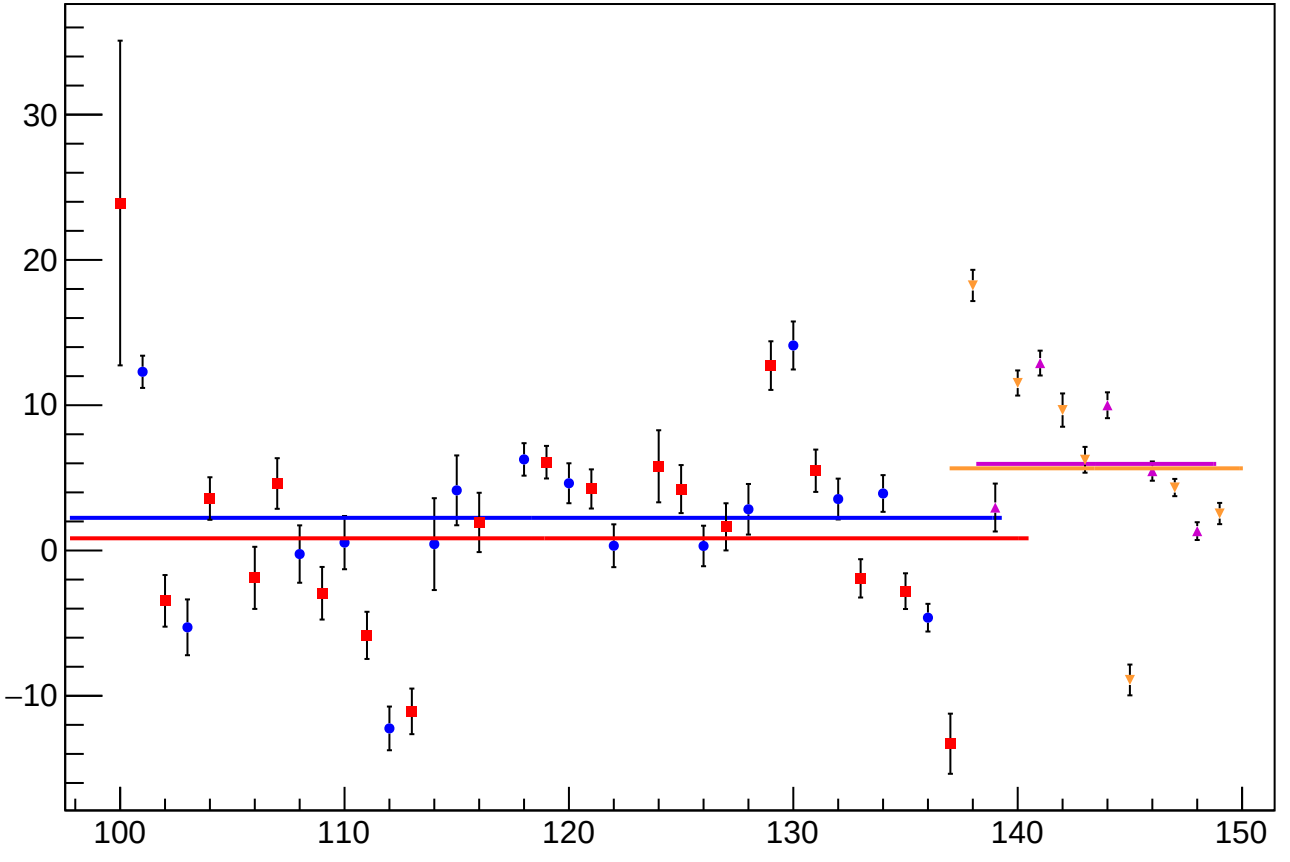
Left In: 70.771+/-0.428 χ^2/NDF:135.8/4

+ sign 73.185+/-0.252 χ^2/NDF: 3050.4/22

All: 74.453+/-0.184 χ^2/NDF: 4977.0/46

- 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: 5.656+/-0.319 χ^2/NDF:407.9/6

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

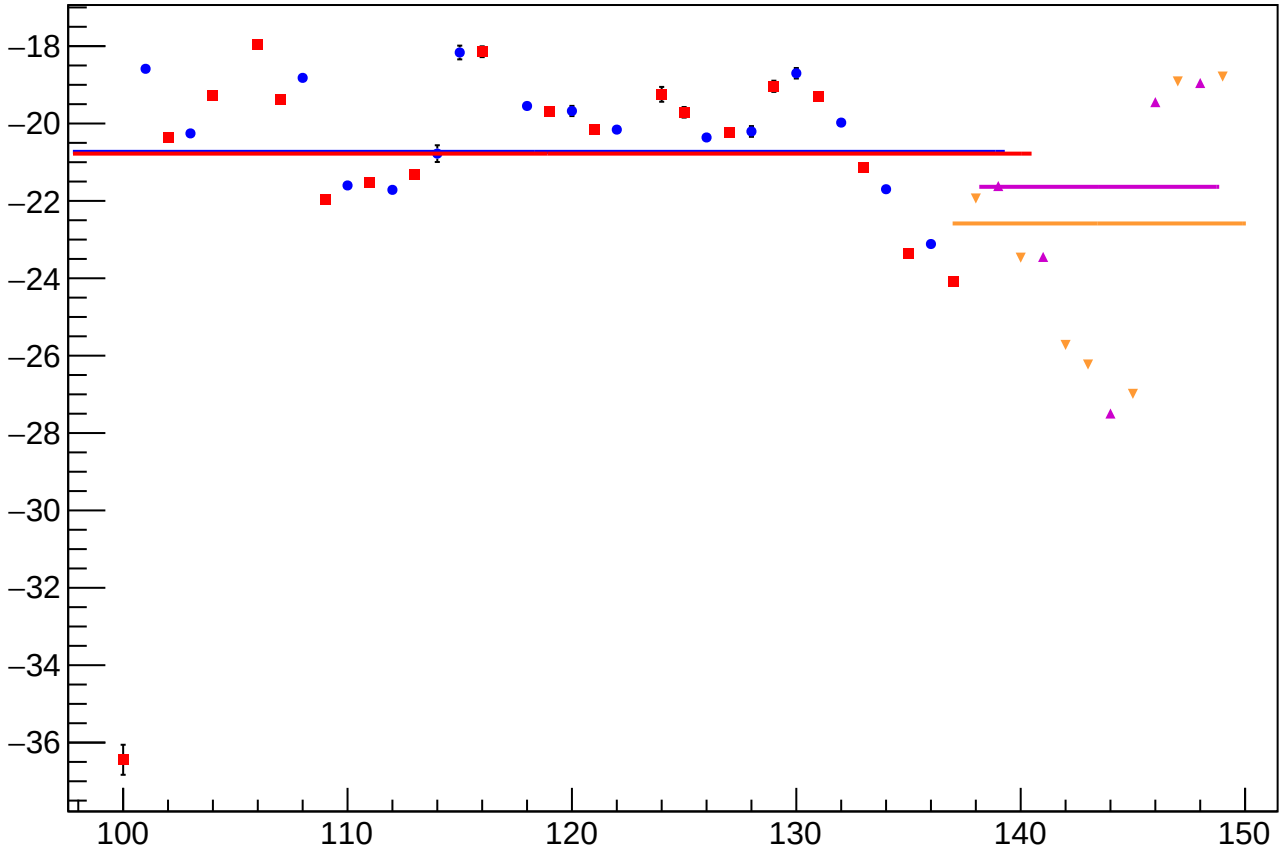
Left In: 5.962+/-0.355 χ^2/NDF:147.5/4

+ sign 4.172+/-0.240 χ^2/NDF: 777.3/22

All: 3.870+/-0.175 χ^2/NDF: 1283.6/46

- 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: -22.583+/-0.016 χ^2/NDF:39315.8/6

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

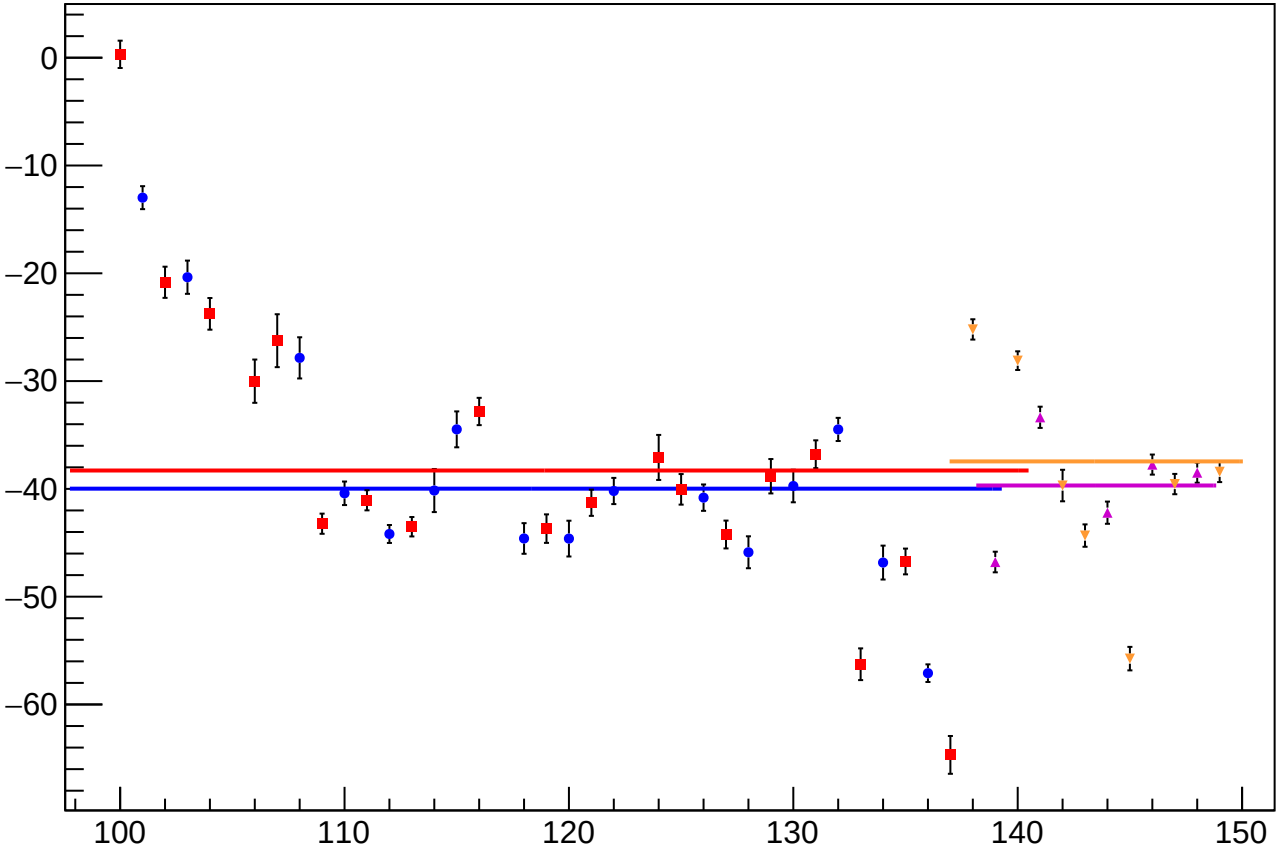
Left In: -21.636+/-0.017 χ^2/NDF:26247.6/4

+ sign -21.840+/-0.012 χ^2/NDF: 52383.5/22

All: -21.575+/-0.009 χ^2/NDF: 90090.1/46

- 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: -37.451+/-0.380 χ^2/NDF:619.1/6

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

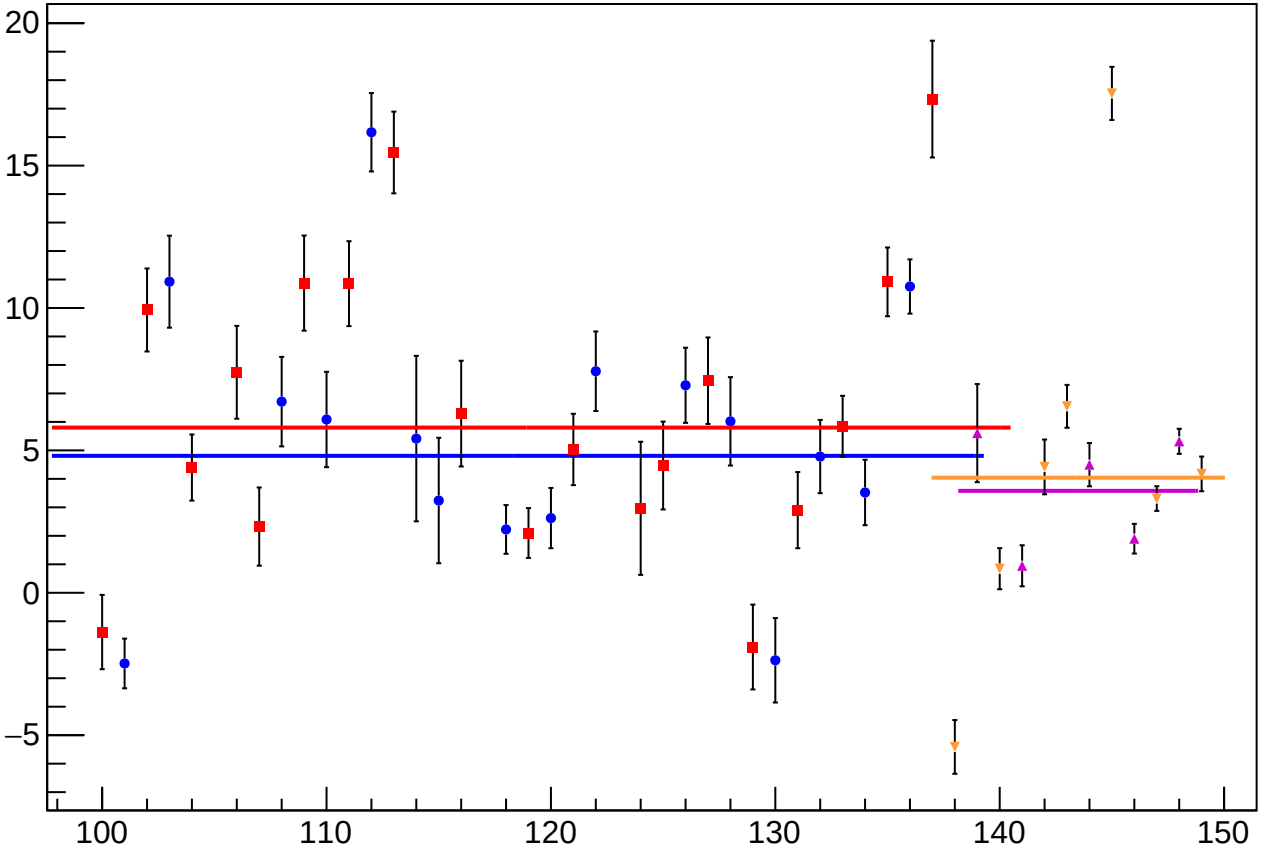
Left In: -39.686+/-0.432 χ^2/NDF:108.3/4

+ sign -38.966+/-0.241 χ^2/NDF: 2044.0/22

All: -38.858+/-0.172 χ^2/NDF: 3933.5/46

- 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: 4.043+/-0.258 χ^2/NDF:343.0/6

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

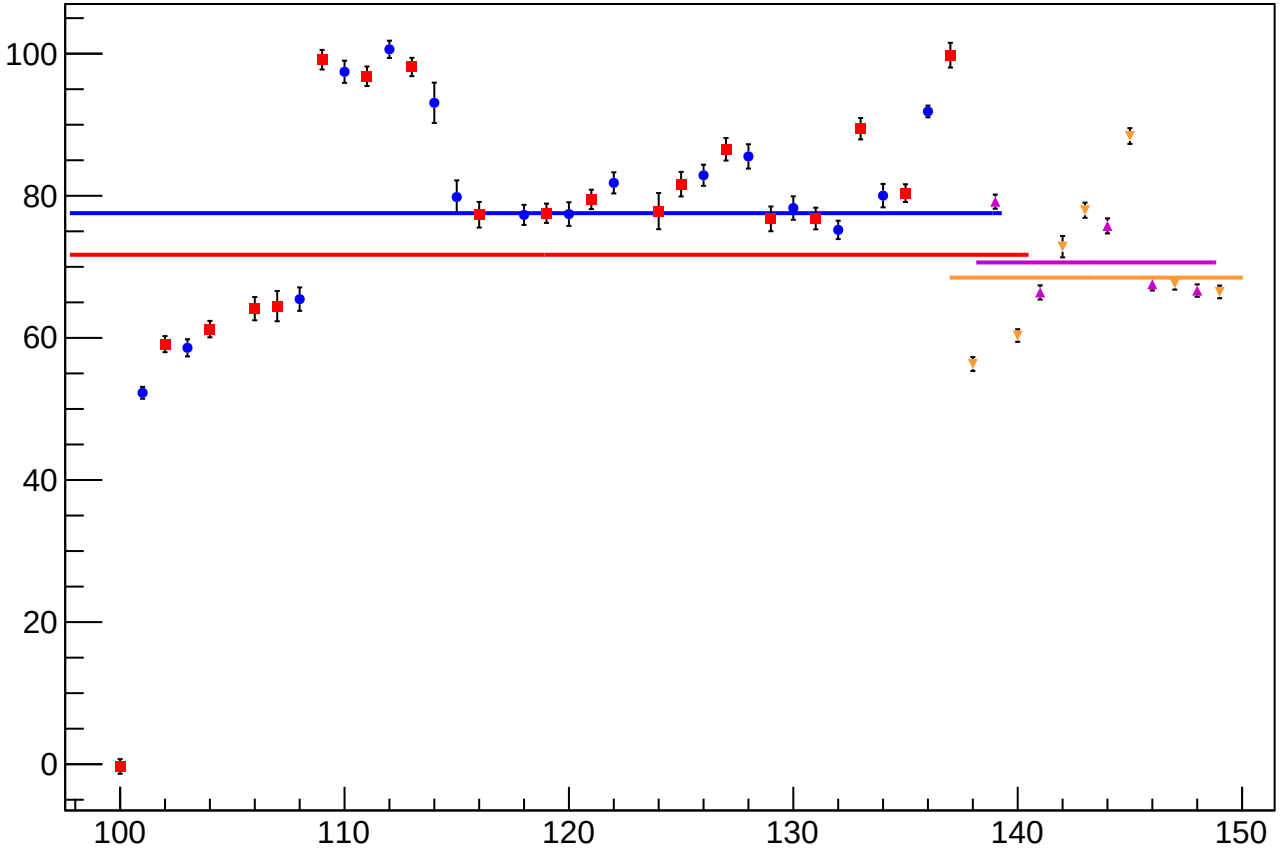
Left In: 3.579+/-0.279 χ^2/NDF:42.2/4

+ sign 4.348+/-0.200 χ^2/NDF: 587.0/22

All: 4.448+/-0.144 χ^2/NDF: 874.0/46

- 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: 68.483+/-0.379 χ^2/NDF:652.6/6

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

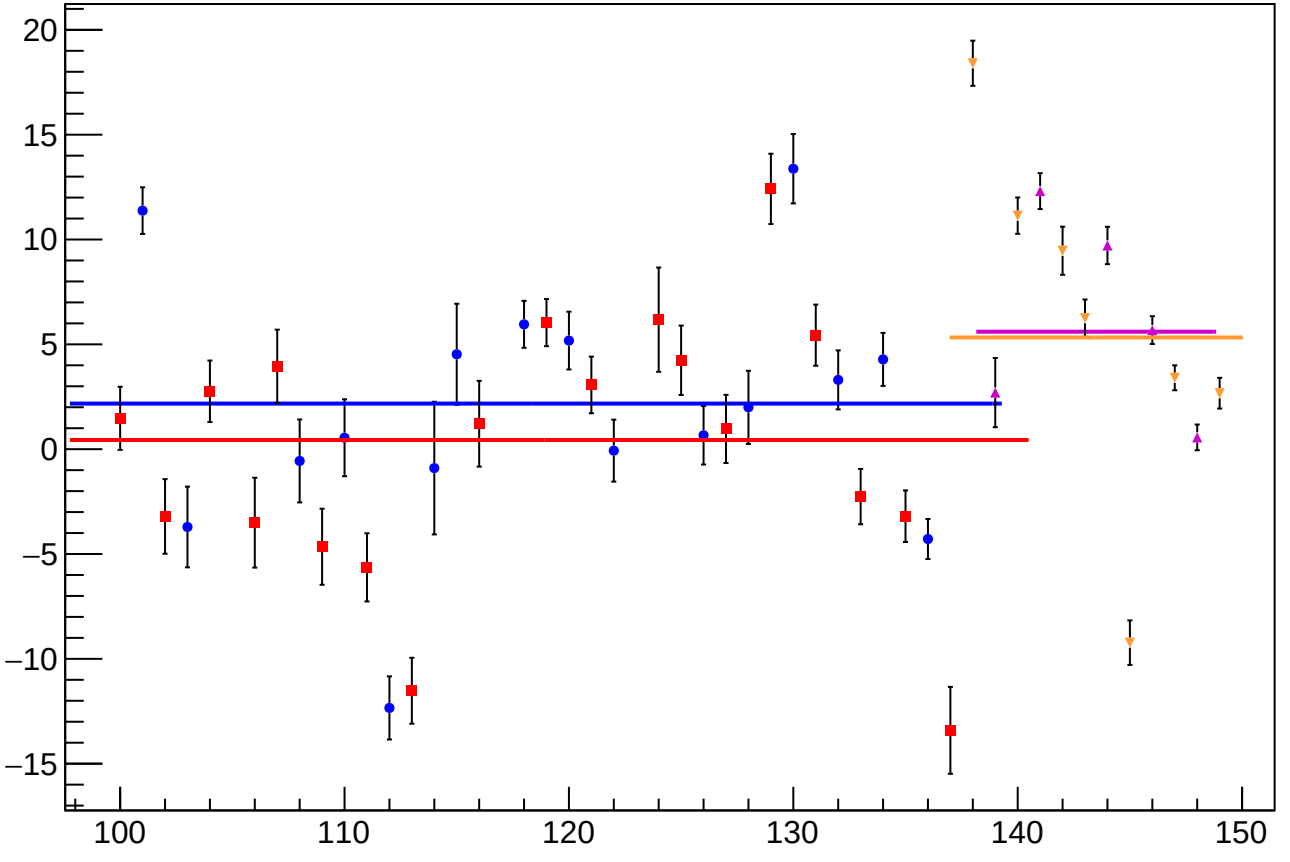
Left In: 70.617+/-0.429 χ^2/NDF:146.8/4

+ sign 73.541+/-0.252 χ^2/NDF: 3090.6/22

All: 72.461+/-0.182 χ^2/NDF: 10183.2/46

- 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: 5.326+/-0.319 χ^2/NDF:418.4/6

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

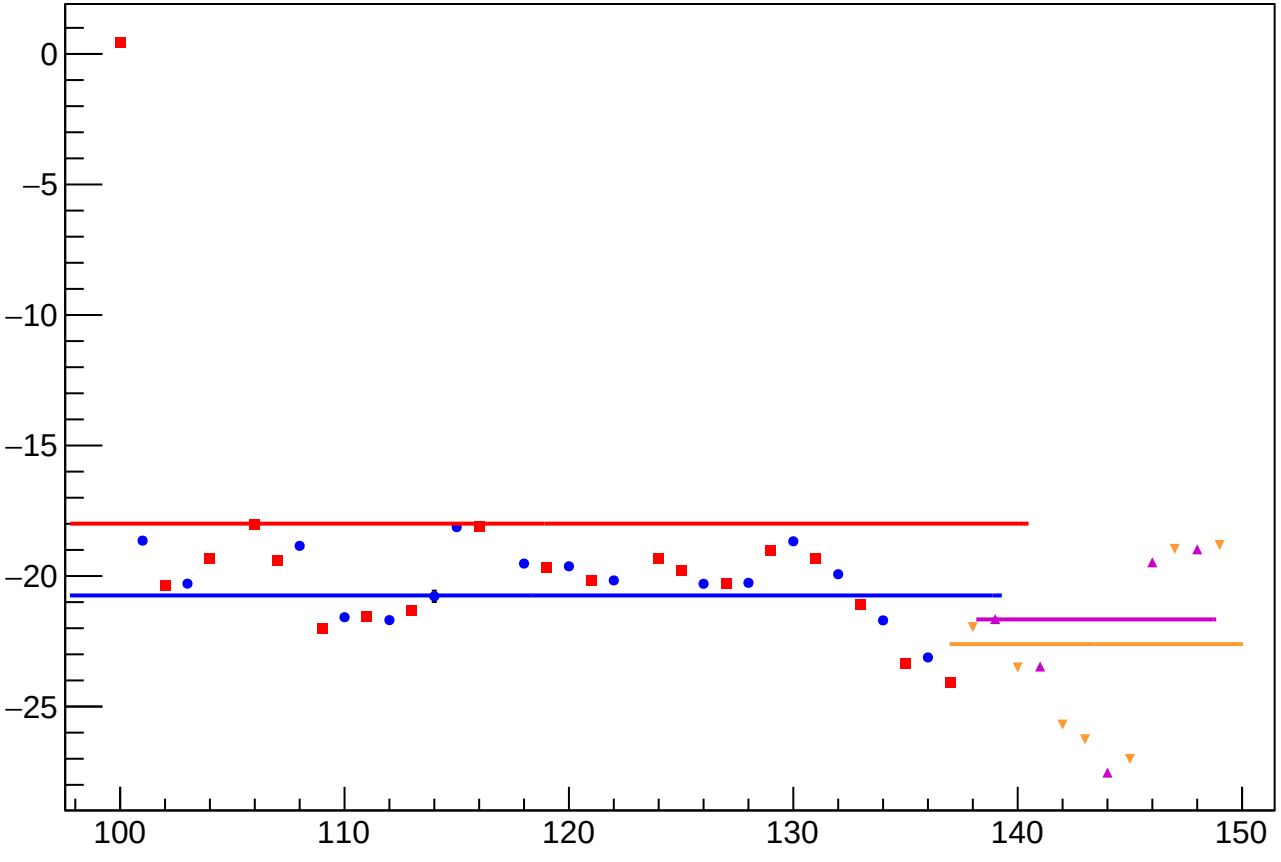
Left In: 5.604+/-0.355 χ^2/NDF:153.3/4

+ sign 3.954+/-0.240 χ^2/NDF: 751.1/22

All: 3.535+/-0.174 χ^2/NDF: 1268.8/46

- 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: -22.609+/-0.016 χ^2/NDF:39010.6/6

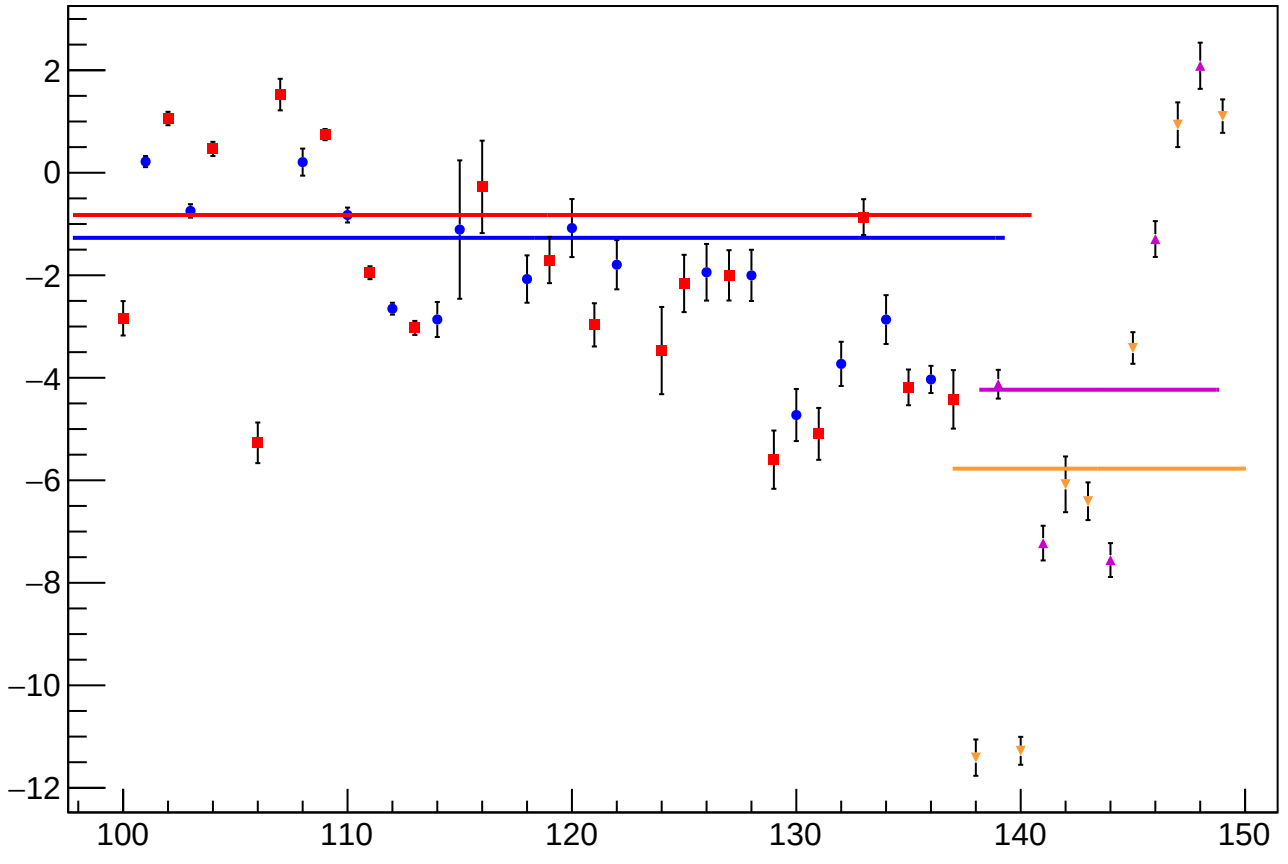
Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -21.662+/-0.017 χ^2/NDF:26197.6/4

+ sign -21.860+/-0.012 χ^2/NDF: 52021.1/22

All: -20.953+/-0.009 χ^2/NDF: 260455.8/46

- sign -19.976+/-0.013 χ^2/NDF: 197195.1/23



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.773+/-0.132 χ^2/NDF:1402.7/6

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

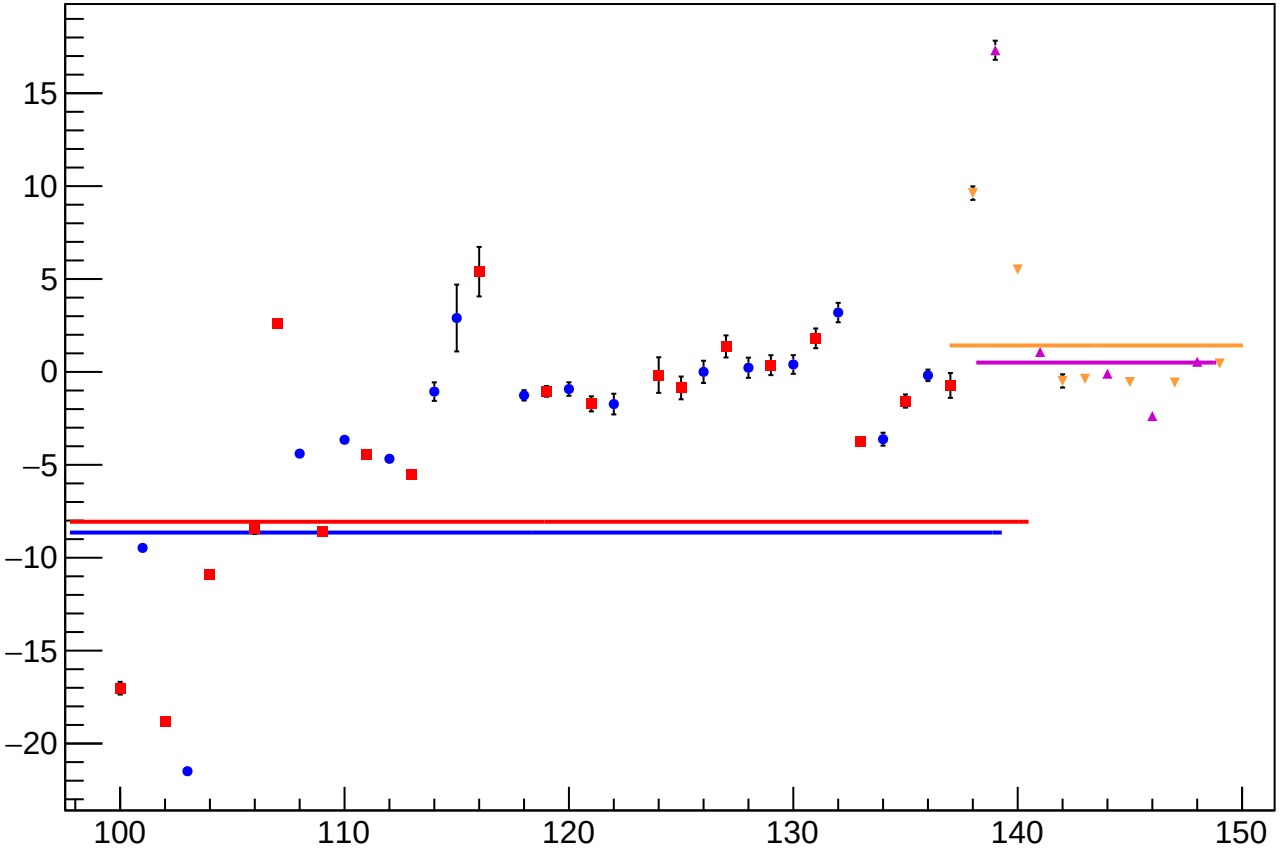
Left In: -4.233+/-0.151 χ^2/NDF:446.7/4

+ sign -1.925+/-0.050 χ^2/NDF: 3012.4/22

All: -1.534+/-0.035 χ^2/NDF: 5414.7/46

- 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: 1.425+/-0.095 χ^2/NDF:1073.7/6

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

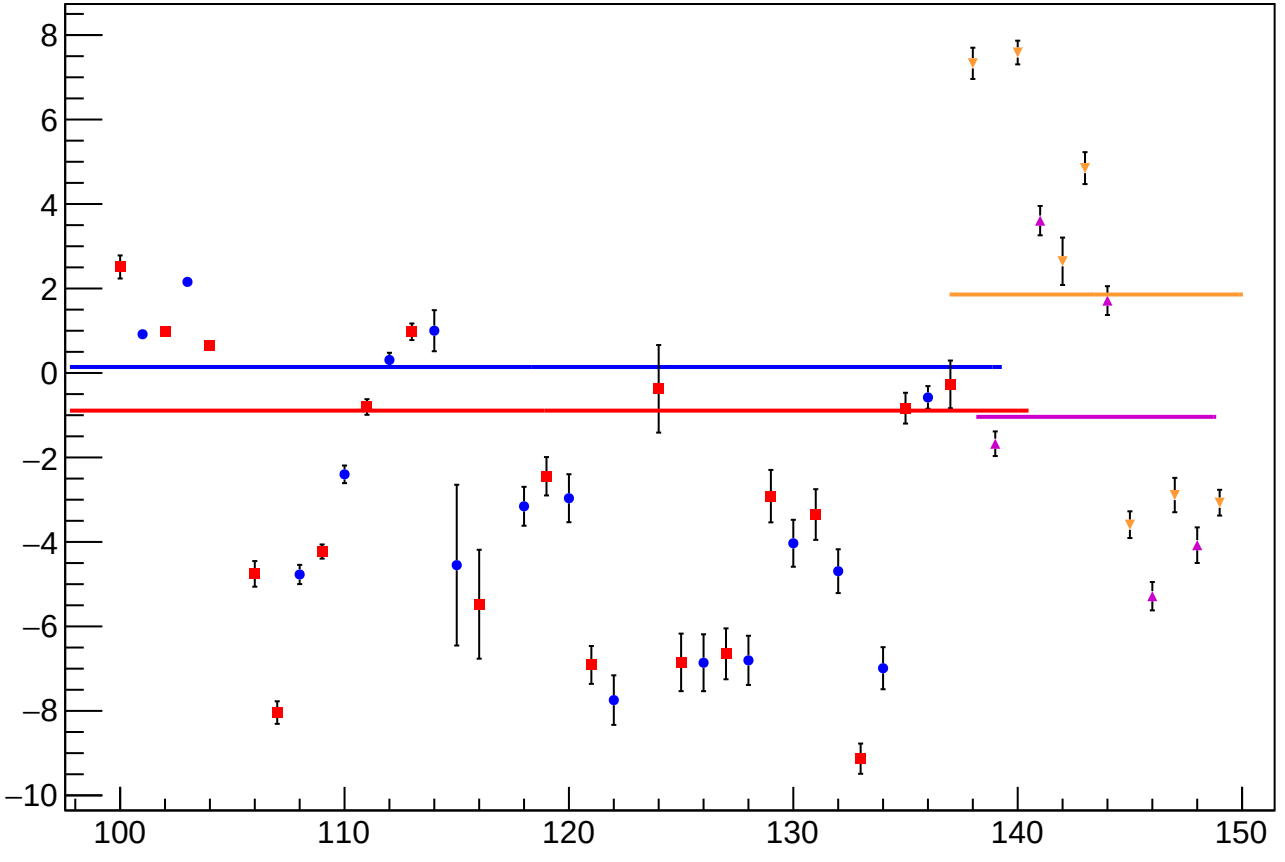
Left In: 0.504+/-0.112 χ^2/NDF:1258.9/4

+ sign -5.996+/-0.049 χ^2/NDF: 23129.2/22

All: -6.129+/-0.035 χ^2/NDF: 43463.8/46

- 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: 1.858+/-0.133 χ^2/NDF:1394.0/6

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

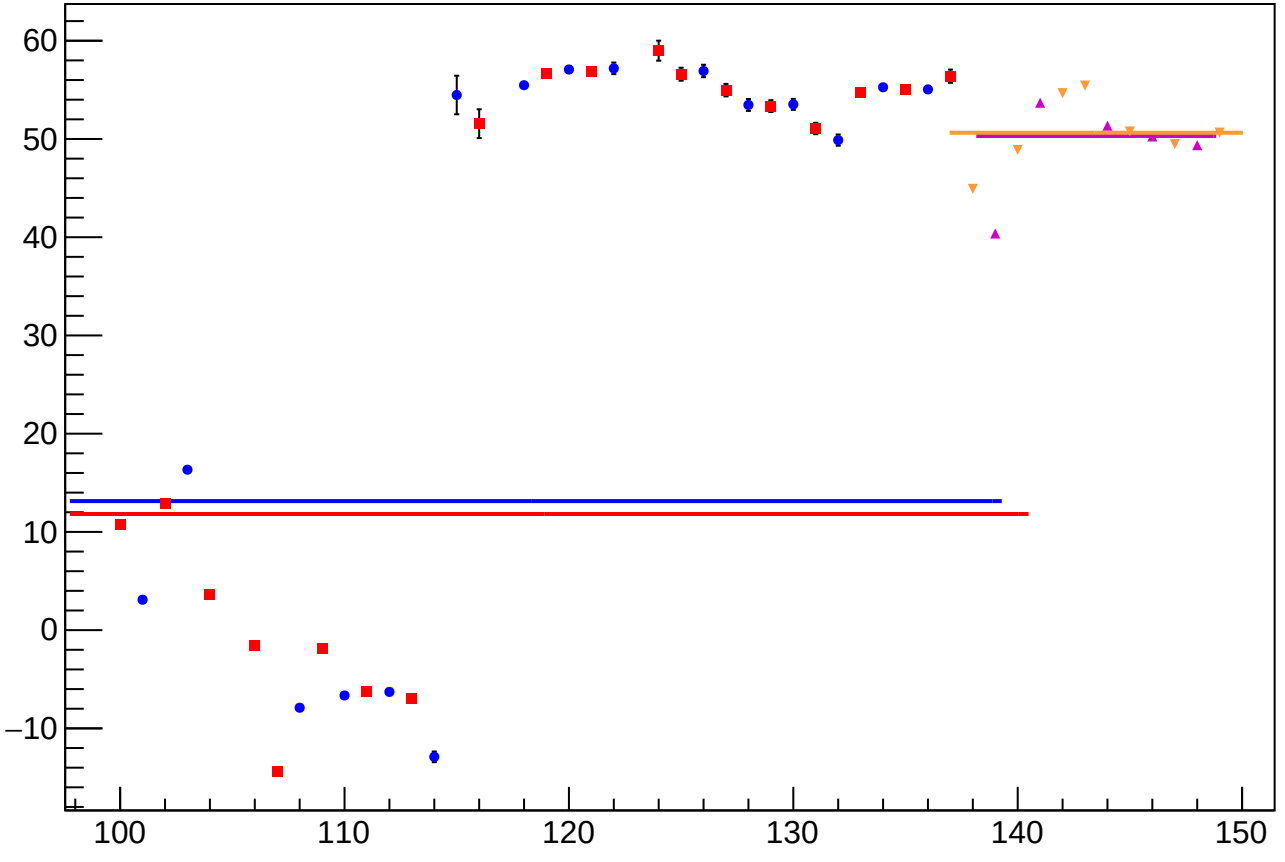
Left In: -1.039+/-0.152 χ^2/NDF:460.3/4

+ sign 0.378+/-0.049 χ^2/NDF: 3498.4/22

All: -0.247+/-0.035 χ^2/NDF: 7277.2/46

- 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: 50.636+/-0.115 χ^2/NDF:571.5/6

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

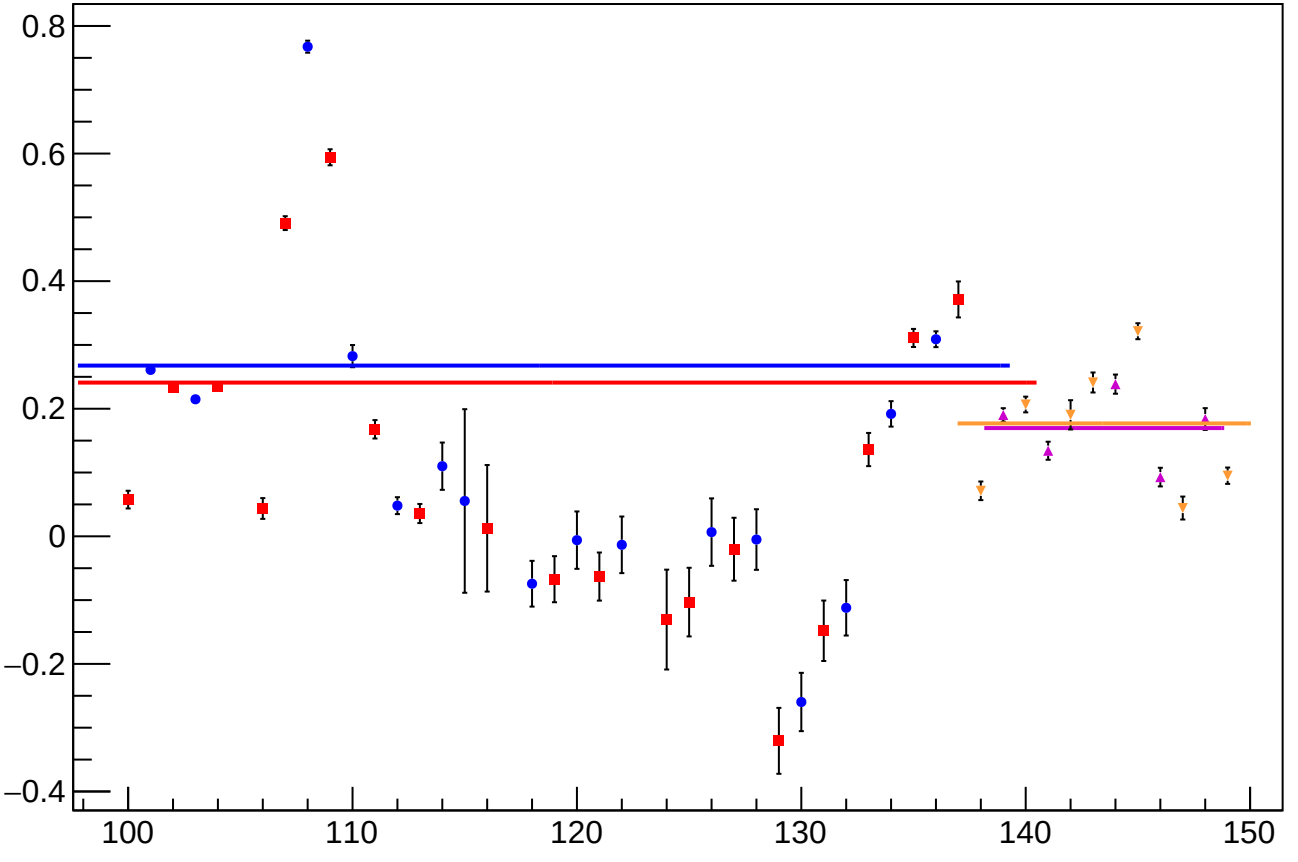
Left In: 50.305+/-0.137 χ^2/NDF:557.2/4

\+ sign 22.781+/-0.059 χ^2/NDF: 187496.3/22

All: 21.160+/-0.042 χ^2/NDF: 371267.6/46

\- 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: 0.177+/-0.006 χ^2/NDF:304.3/6

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

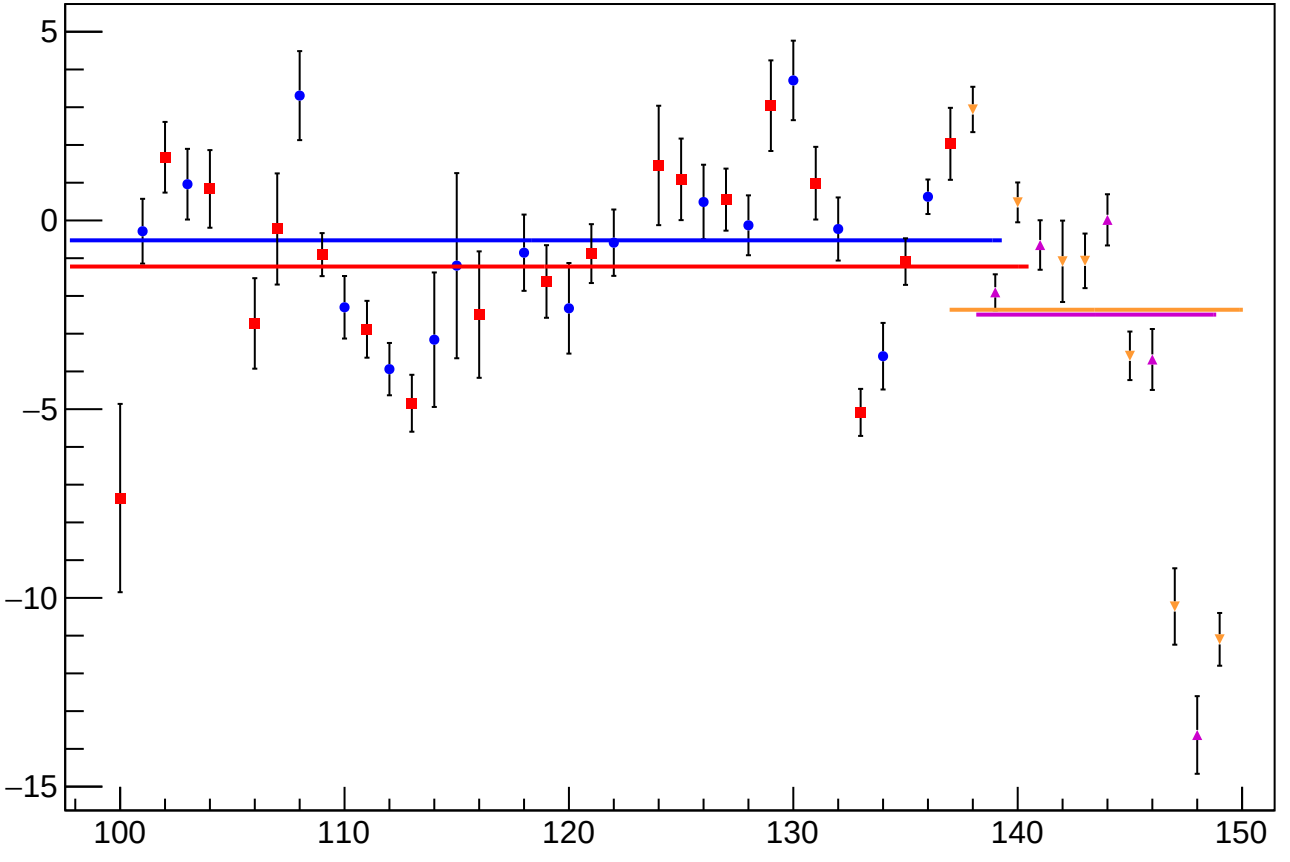
Left In: 0.170+/-0.006 χ^2/NDF:59.5/4

+ sign 0.249+/-0.002 χ^2/NDF: 4239.7/22

All: 0.239+/-0.002 χ^2/NDF: 6782.5/46

- 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: -2.366+/-0.262 χ^2/NDF:331.7/6

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

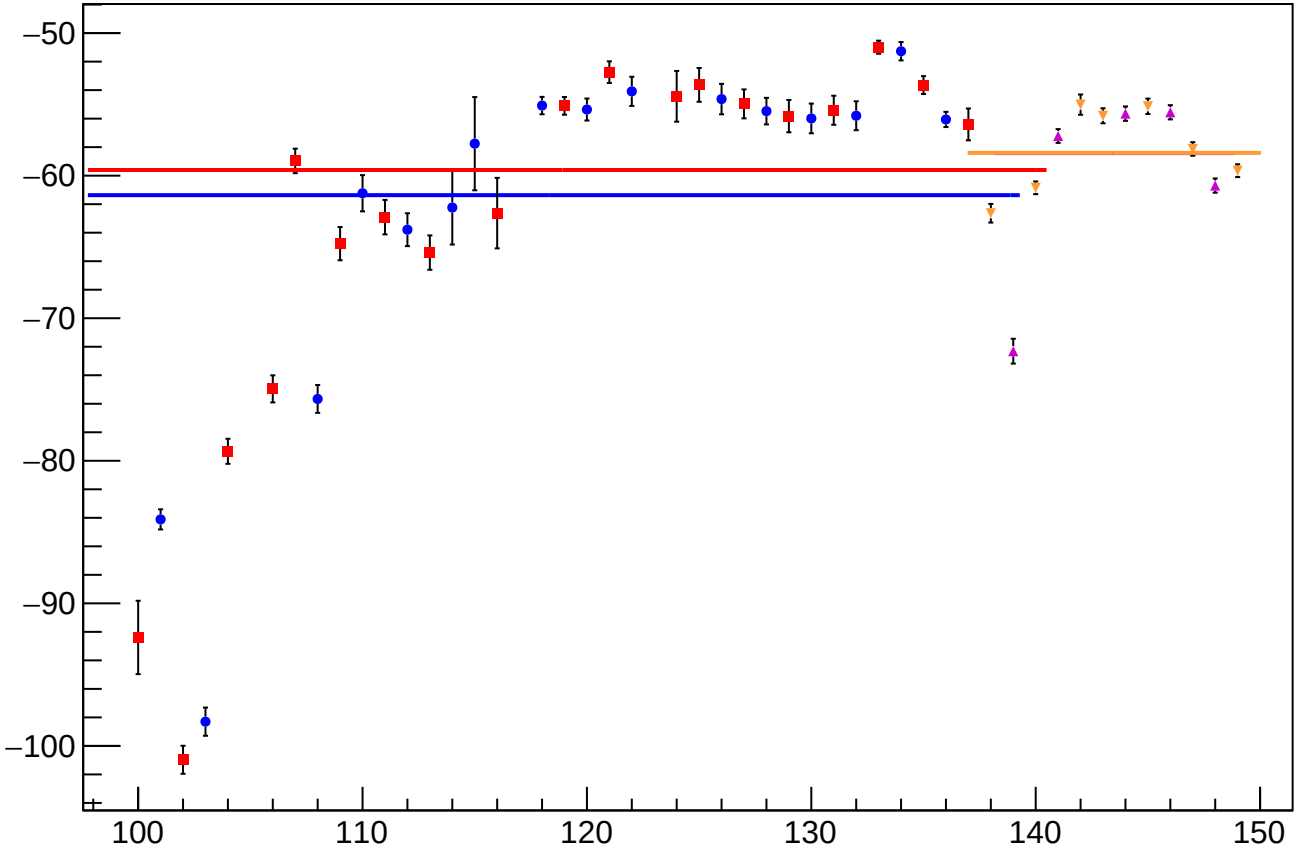
Left In: -2.495+/-0.296 χ^2/NDF:142.6/4

+ sign -1.275+/-0.167 χ^2/NDF: 443.7/22

All: -1.452+/-0.119 χ^2/NDF: 732.0/46

- 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: -58.400+/-0.197 χ^2/NDF:163.4/6

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

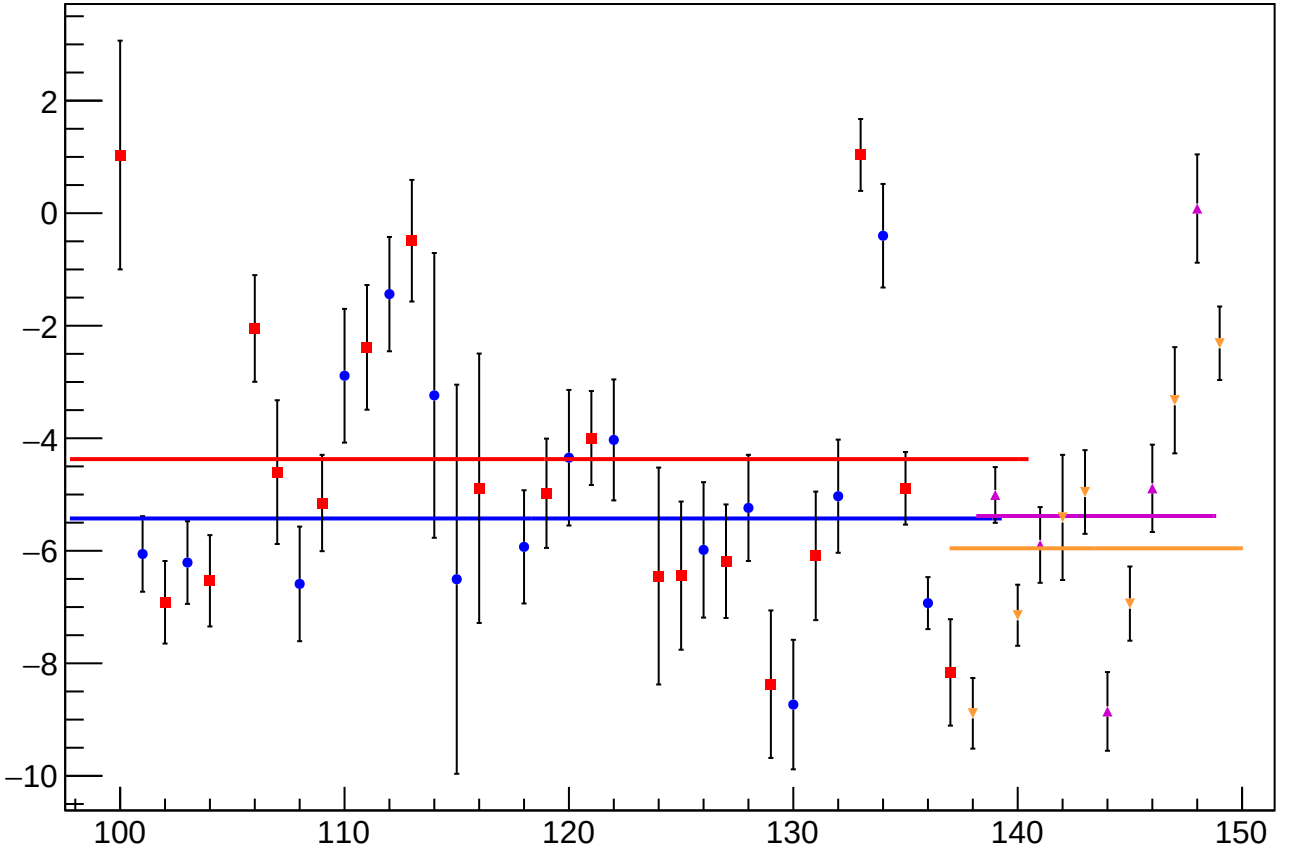
Left In: -58.418+/-0.239 χ^2/NDF:344.2/4

+ sign -59.728+/-0.147 χ^2/NDF: 3616.0/22

All: -59.432+/-0.107 χ^2/NDF: 7404.3/46

- 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: -5.956+/-0.264 χ^2/NDF:69.8/6

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

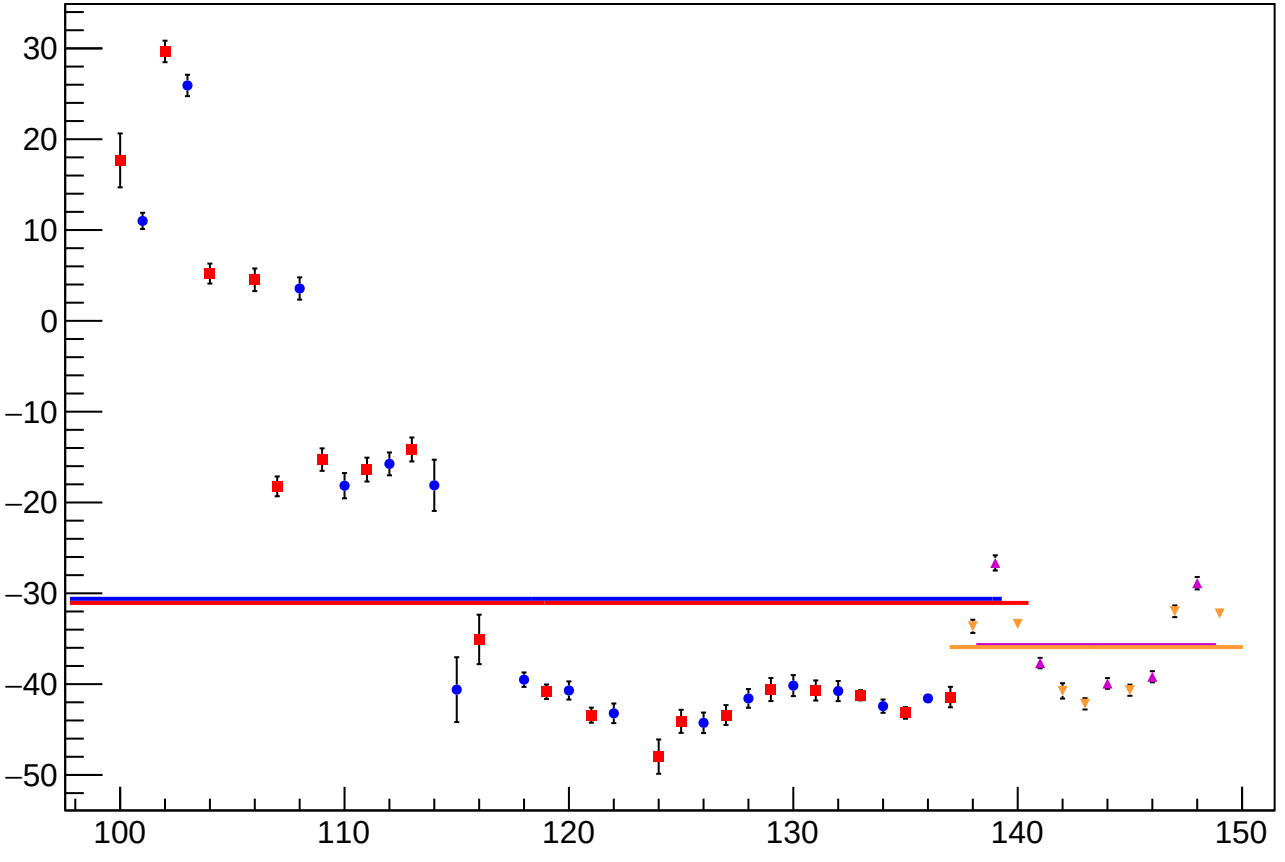
Left In: -5.381+/-0.301 χ^2/NDF:58.4/4

\+ sign -5.654+/-0.173 χ^2/NDF: 148.1/22

All: -5.205+/-0.125 χ^2/NDF: 384.2/46

\- 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: -35.921+/-0.237 χ^2/NDF:310.2/6

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

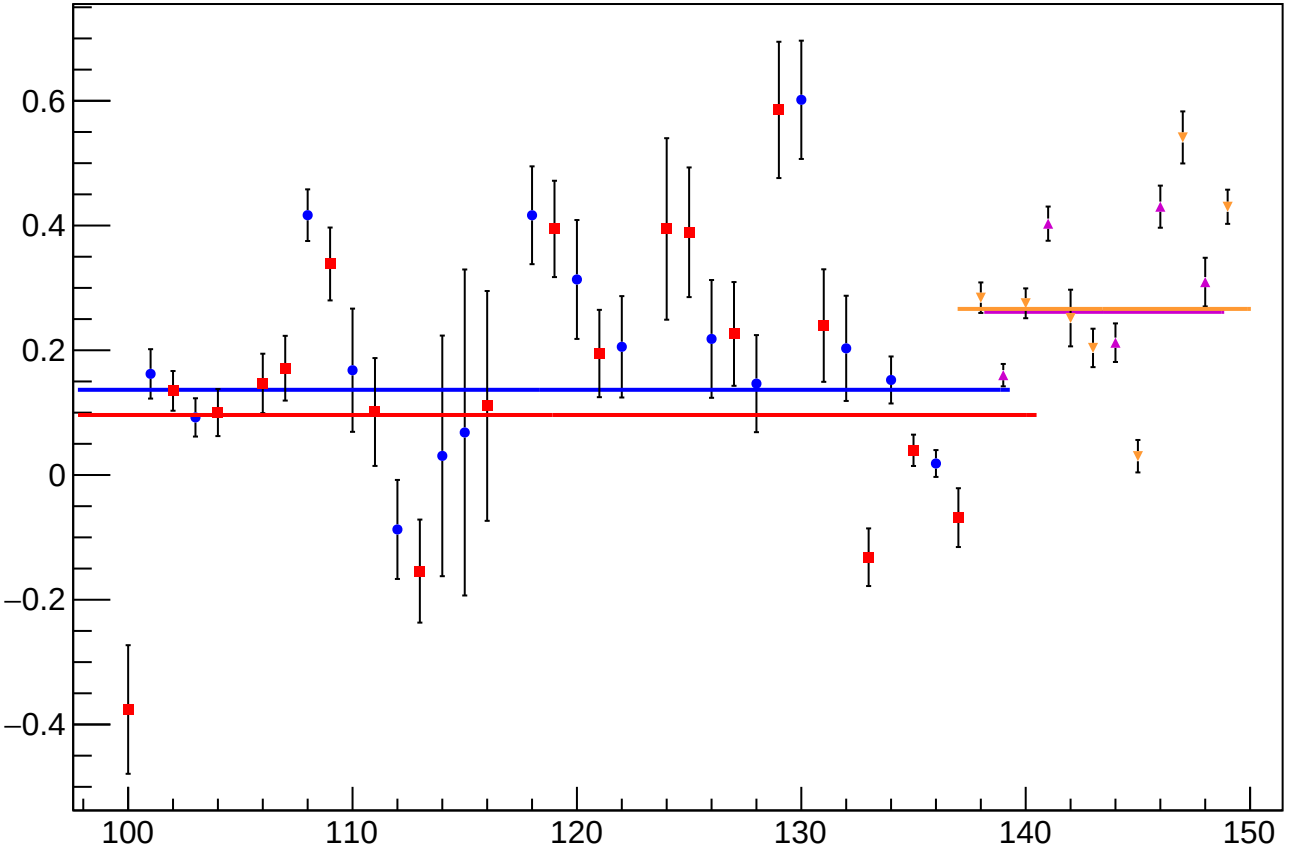
Left In: -35.702+/-0.287 χ^2/NDF:311.5/4

+ sign -33.403+/-0.172 χ^2/NDF: 7487.4/22

All: -33.190+/-0.125 χ^2/NDF: 14934.2/46

- 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: 0.266+/-0.011 χ^2/NDF:166.4/6

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

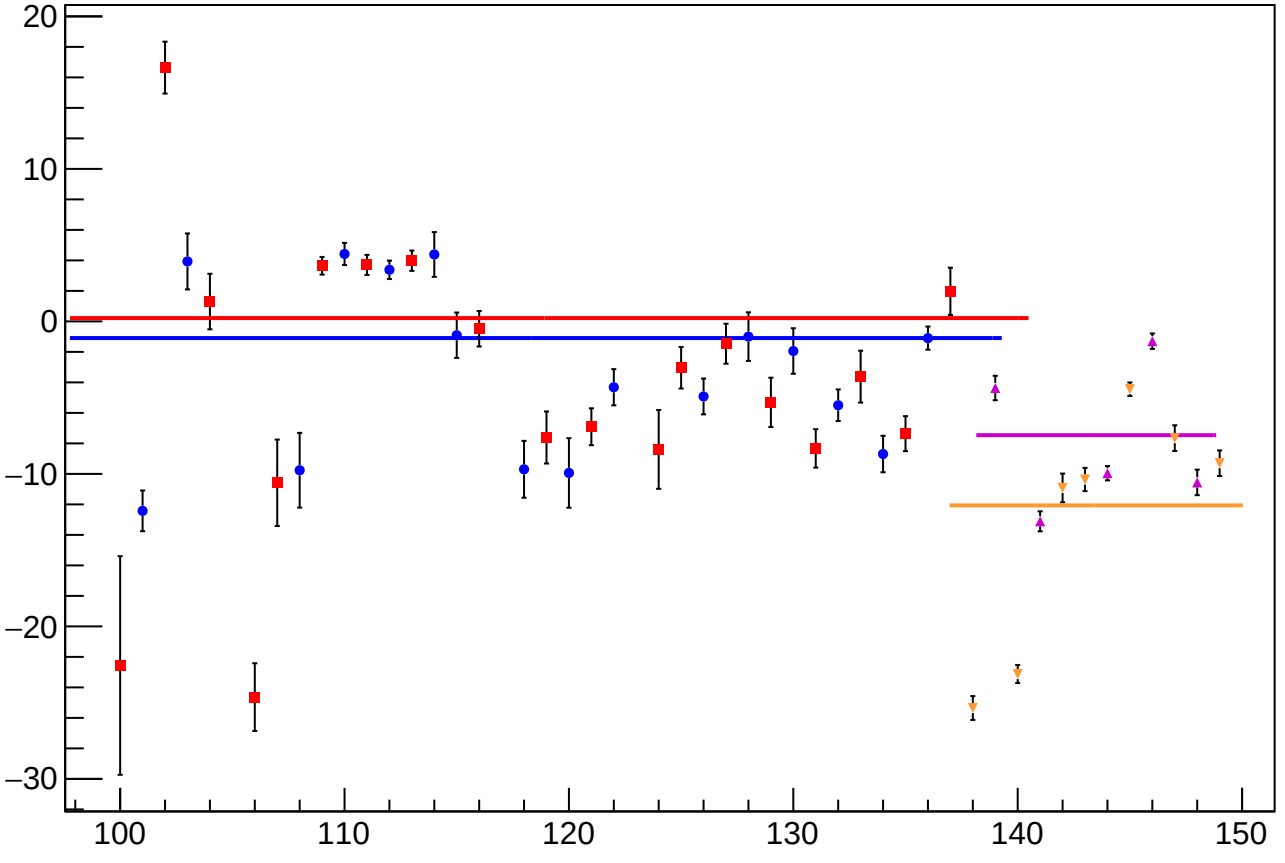
Left In: 0.262+/-0.012 χ^2/NDF:87.7/4

+ sign 0.210+/-0.008 χ^2/NDF: 356.6/22

All: 0.196+/-0.006 χ^2/NDF: 690.4/46

- 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: -12.065+/-0.256 χ^2/NDF:980.1/6

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

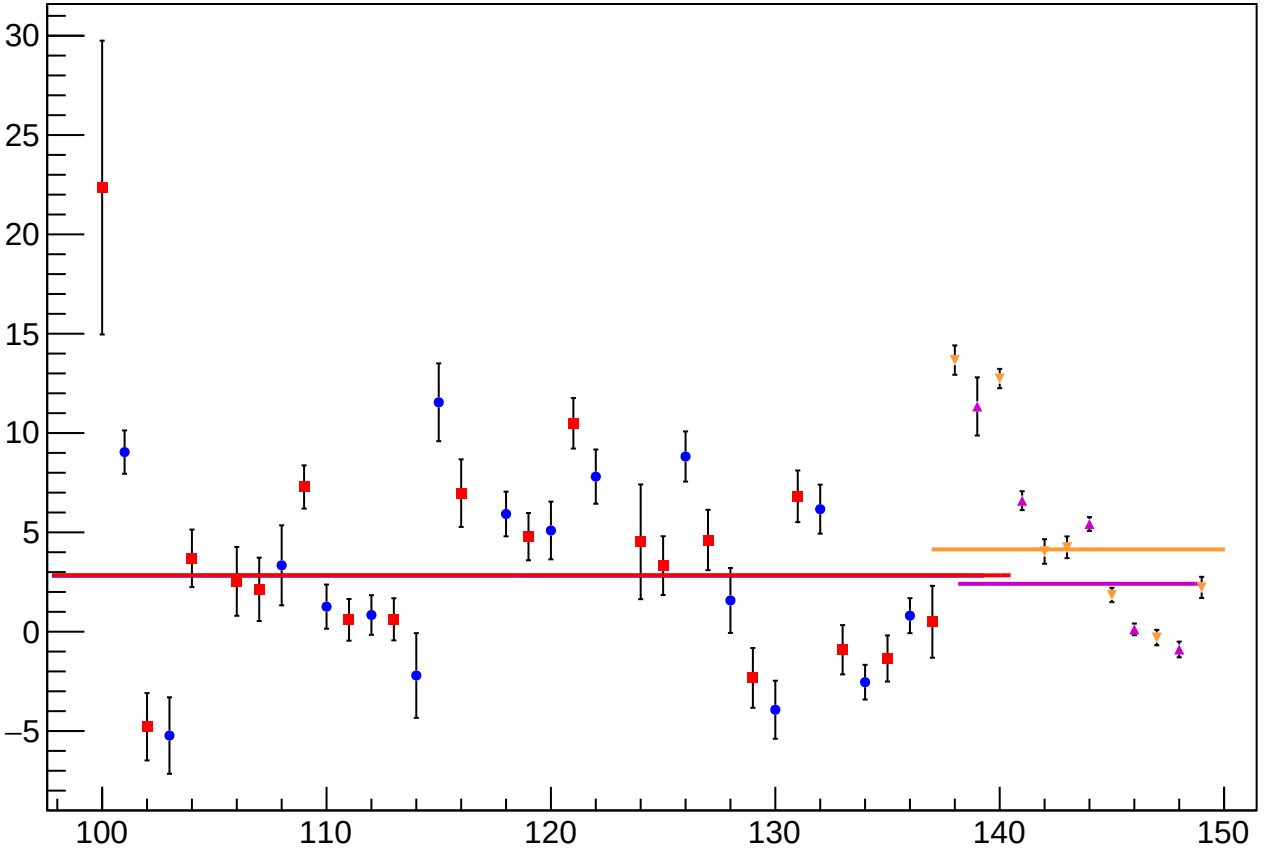
Left In: -7.461+/-0.270 χ^2/NDF:278.7/4

+ sign -7.084+/-0.189 χ^2/NDF: 2147.2/22

All: -5.330+/-0.134 χ^2/NDF: 3529.1/46

- 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: 4.142+/-0.183 χ^2/NDF:662.6/6

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

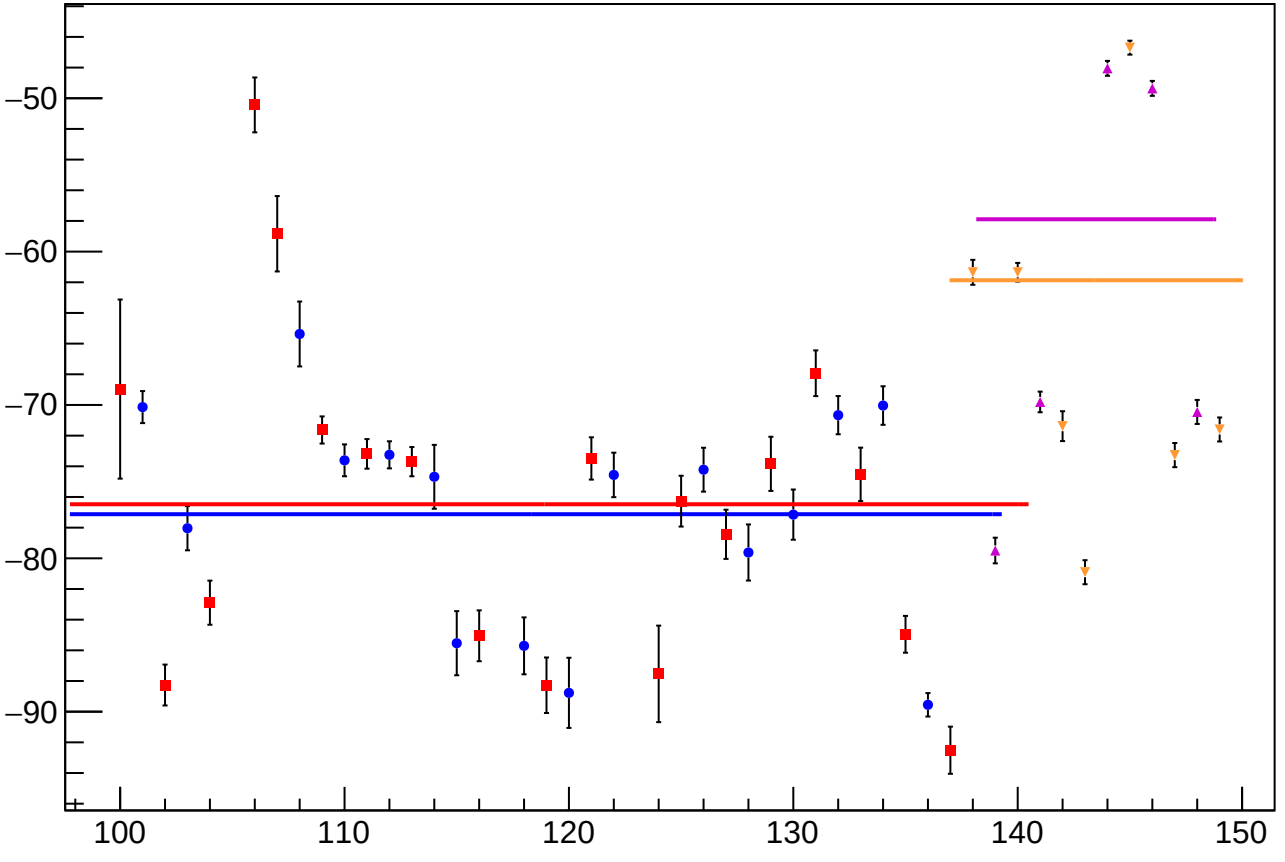
Left In: 2.411+/-0.179 χ^2/NDF:320.5/4

\+ sign 3.807+/-0.158 χ^2/NDF: 875.4/22

All: 3.154+/-0.111 χ^2/NDF: 1376.1/46

\- 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: -61.868+/-0.259 χ^2/NDF:2159.0/6

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

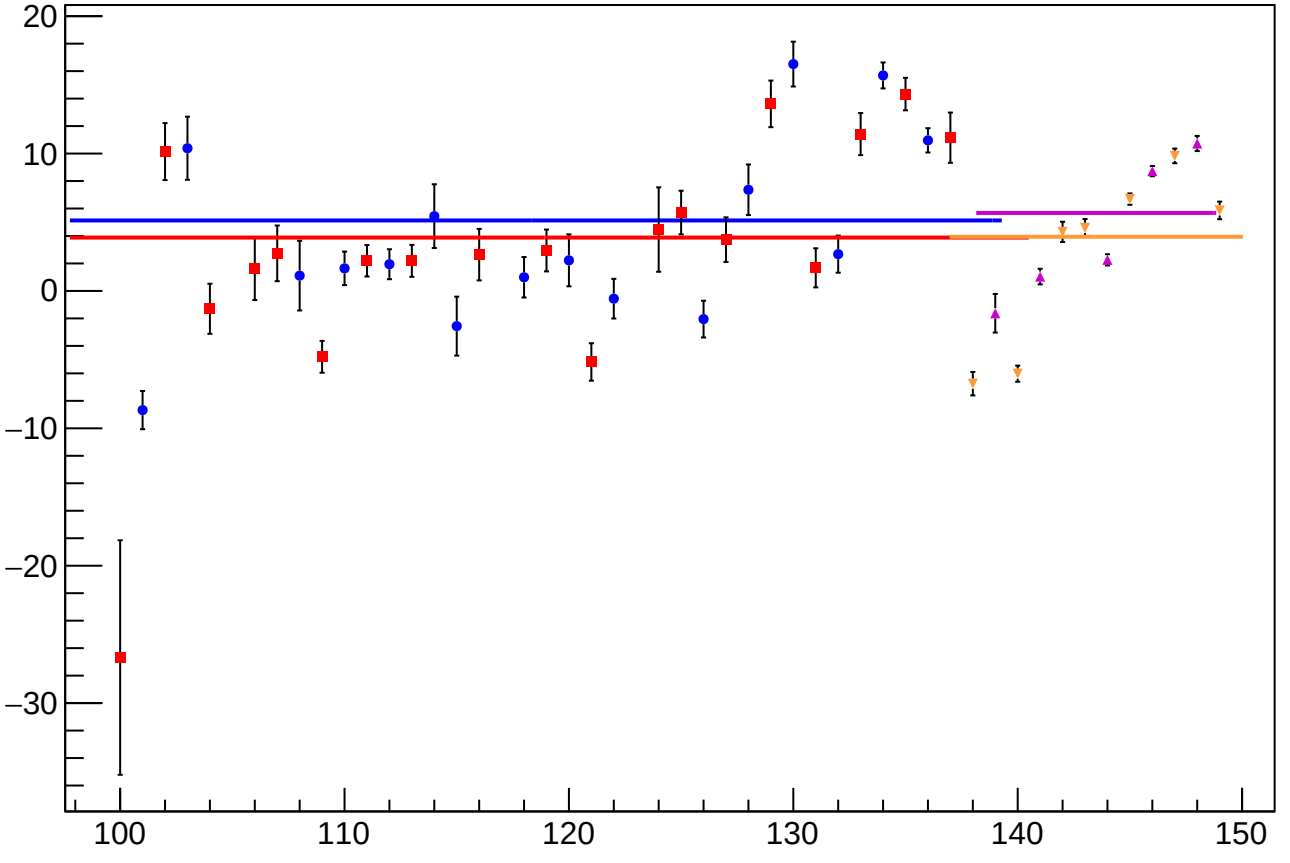
Left In: -57.891+/-0.270 χ^2/NDF:1954.2/4

\+ sign -67.755+/-0.203 χ^2/NDF: 4004.7/22

All: -66.604+/-0.145 χ^2/NDF: 8631.0/46

\- 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: 3.944+/-0.222 χ^2/NDF:621.4/6

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

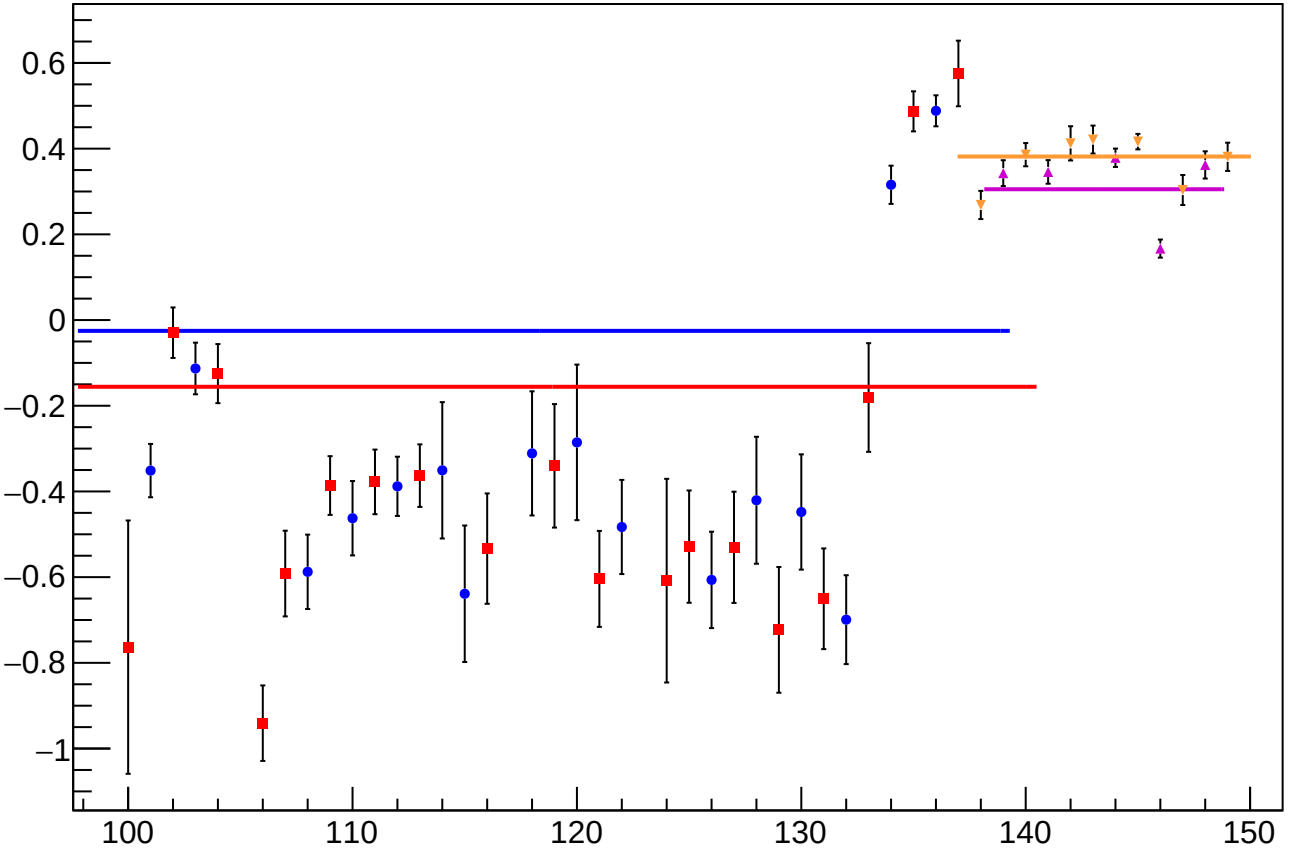
Left In: 5.677+/-0.223 χ^2/NDF:315.0/4

+ sign 4.286+/-0.187 χ^2/NDF: 1042.0/22

All: 4.730+/-0.133 χ^2/NDF: 1677.6/46

- 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:22.6/6

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

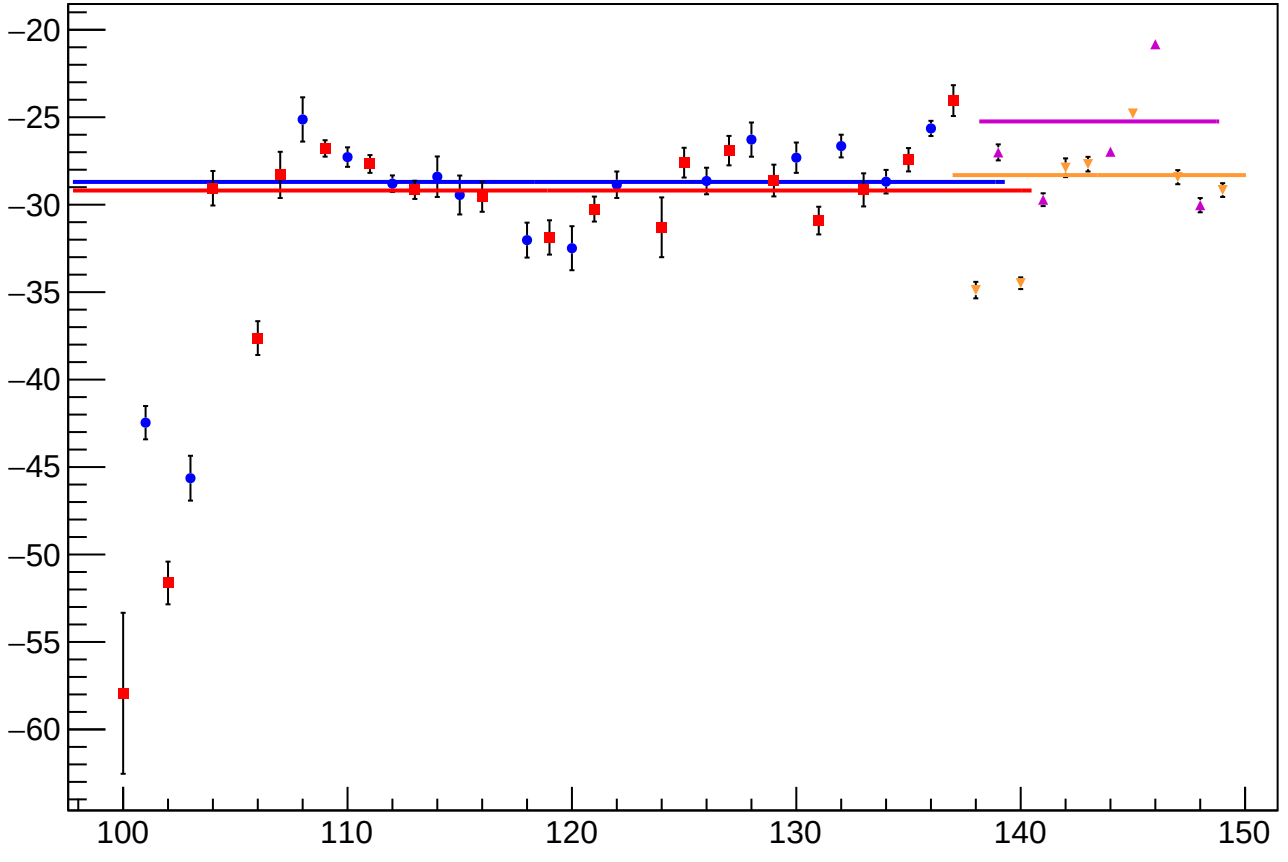
Left In: 0.305+/-0.011 χ^2/NDF:61.7/4

+ sign 0.282+/-0.009 χ^2/NDF: 883.9/22

All: 0.241+/-0.007 χ^2/NDF: 1877.7/46

- 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: -28.309+/-0.129 χ^2/NDF:845.4/6

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

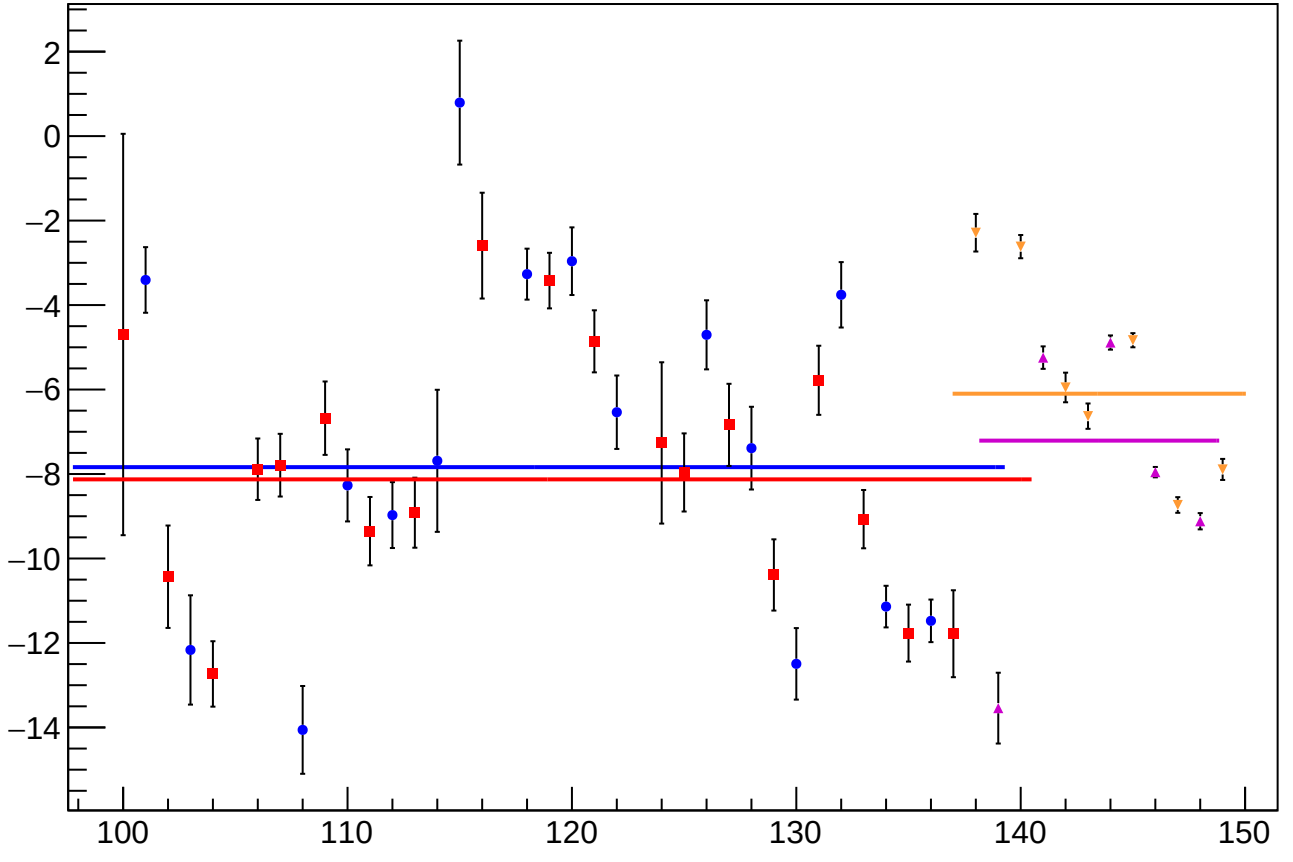
Left In: -25.240+/-0.128 χ^2/NDF:817.6/4

+ sign -28.436+/-0.106 χ^2/NDF: 1335.6/22

All: -27.480+/-0.075 χ^2/NDF: 3186.5/46

- 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: -6.099+/-0.092 χ^2/NDF:548.2/6

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

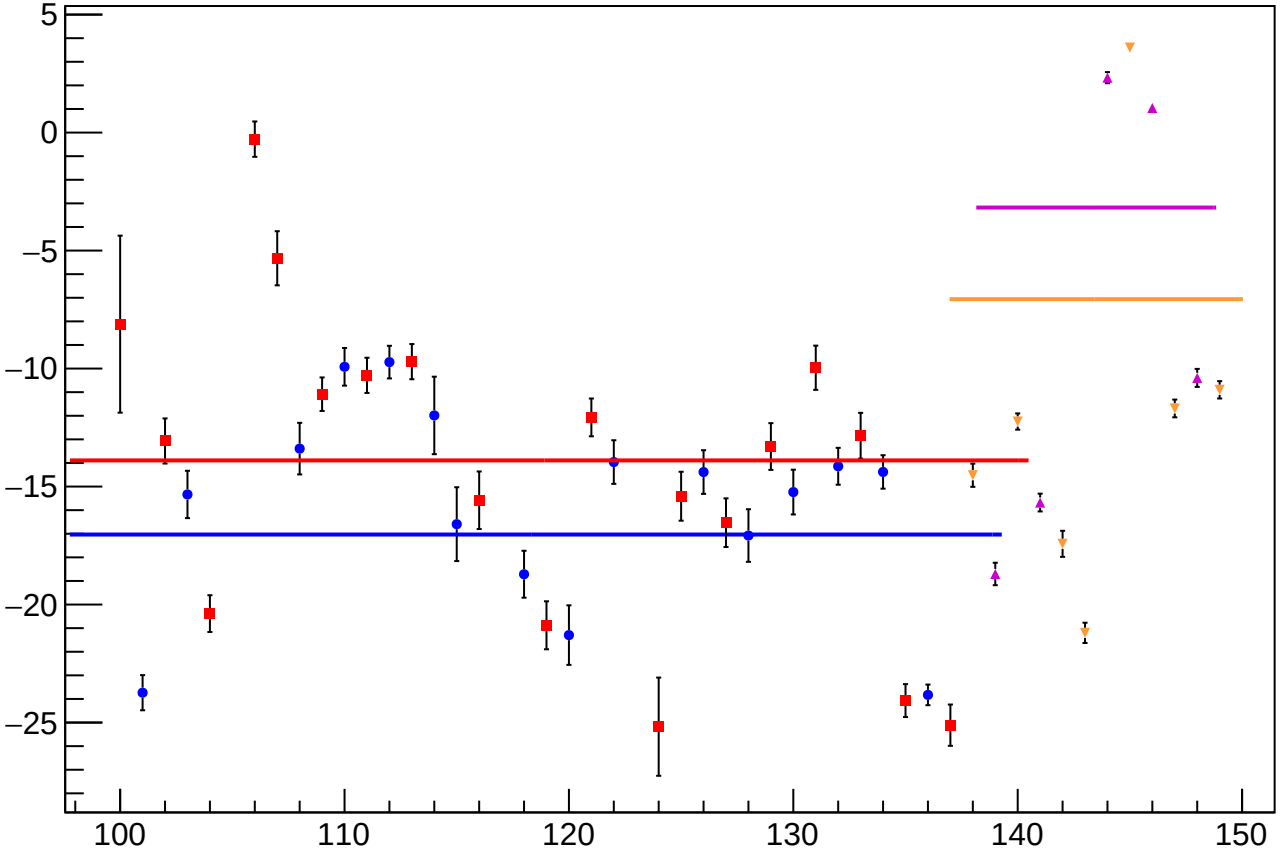
Left In: -7.210+/-0.083 χ^2/NDF:437.3/4

+ sign -6.415+/-0.083 χ^2/NDF: 996.5/22

All: -6.919+/-0.056 χ^2/NDF: 1717.7/46

- 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: -7.060+/-0.130 χ^2/NDF:4781.8/6

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

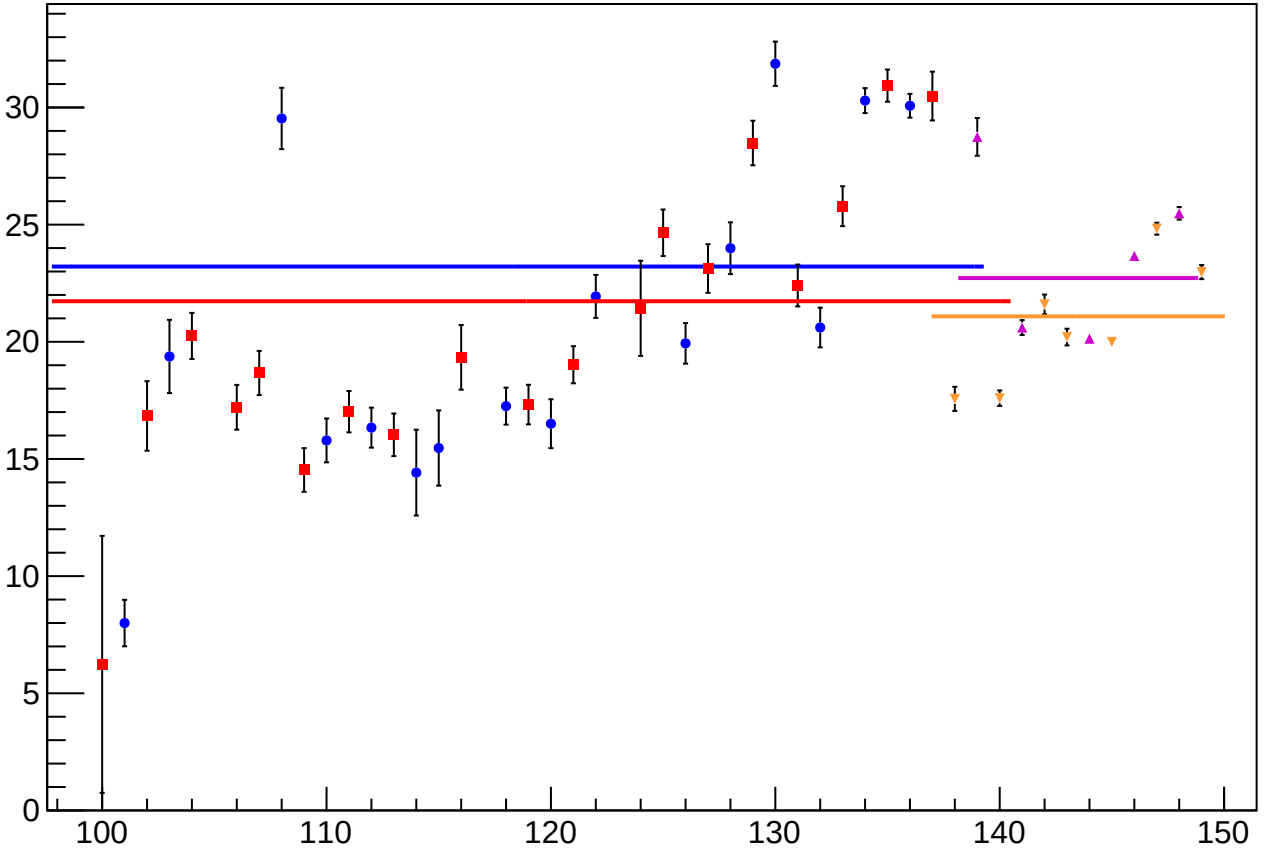
Left In: -3.177+/-0.127 χ^2/NDF:3525.7/4

+ sign -9.845+/-0.111 χ^2/NDF: 7018.3/22

All: -7.922+/-0.078 χ^2/NDF: 14068.2/46

- 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: 21.087+/-0.112 χ^2/NDF:454.0/6

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

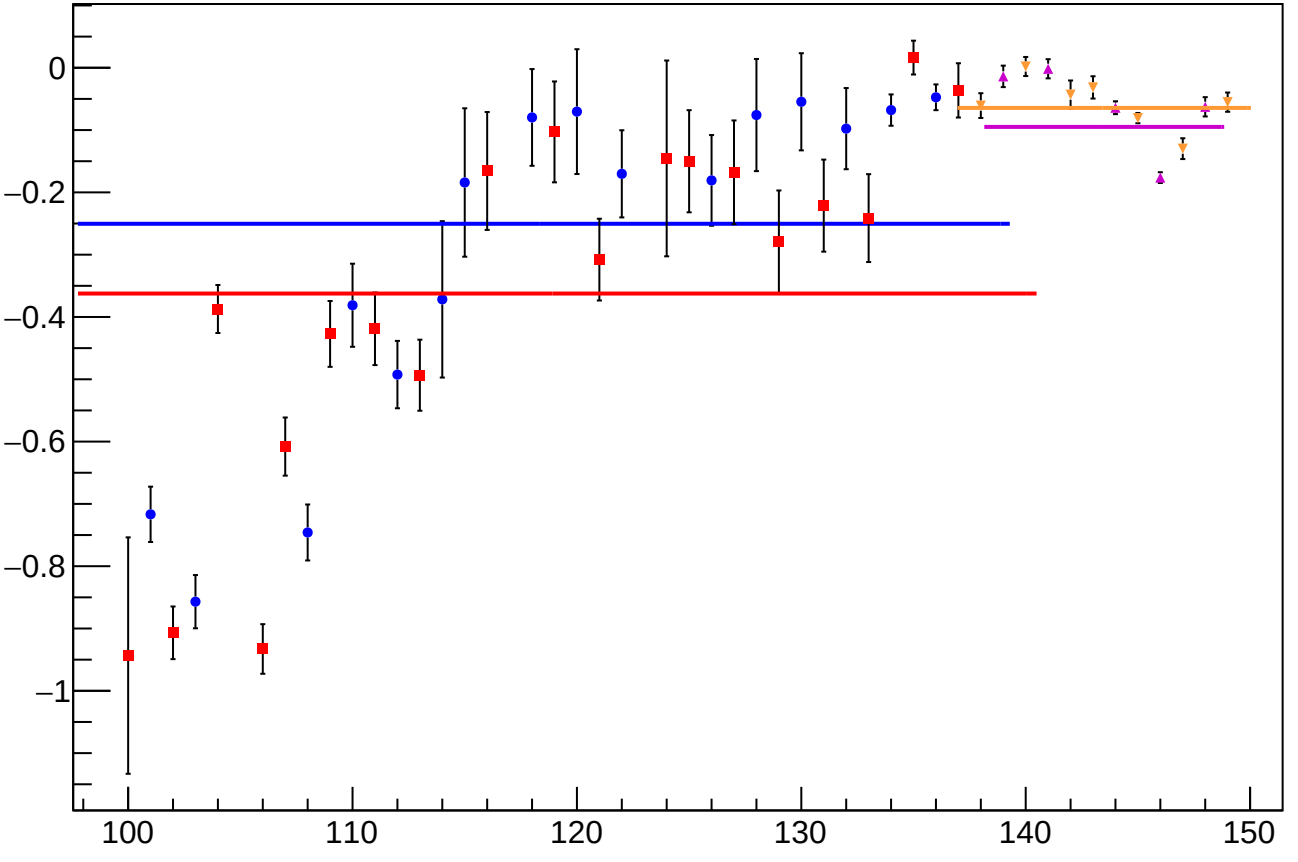
Left In: 22.720+/-0.104 χ^2/NDF:416.4/4

+ sign 21.528+/-0.099 χ^2/NDF: 1537.4/22

All: 22.066+/-0.068 χ^2/NDF: 2583.6/46

- 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: -0.064+/-0.005 χ^2/NDF:42.8/6

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

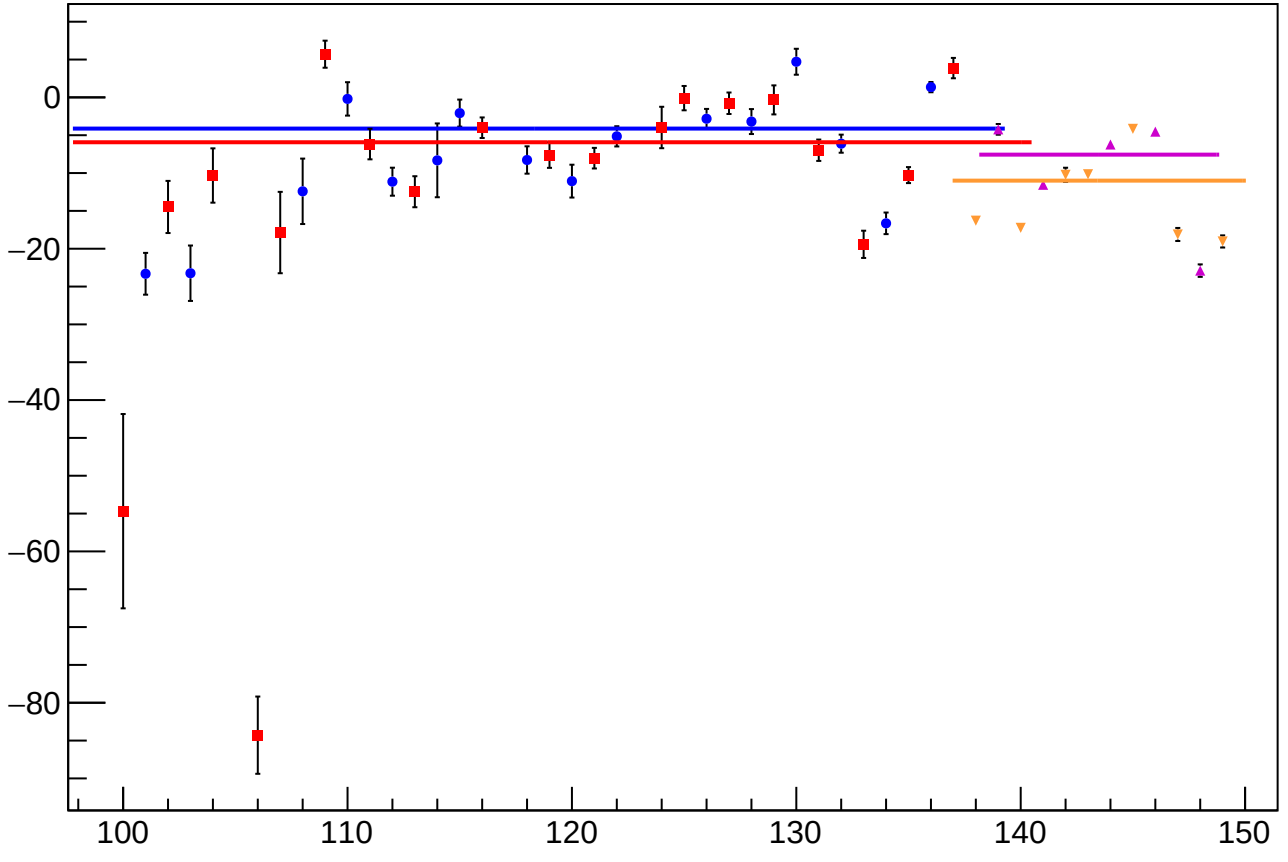
Left In: -0.095+/-0.005 χ^2/NDF:160.9/4

+ sign -0.097+/-0.005 χ^2/NDF: 885.9/22

All: -0.117+/-0.003 χ^2/NDF: 2179.1/46

- 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: -11.002+/-0.228 χ^2/NDF:709.3/6

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

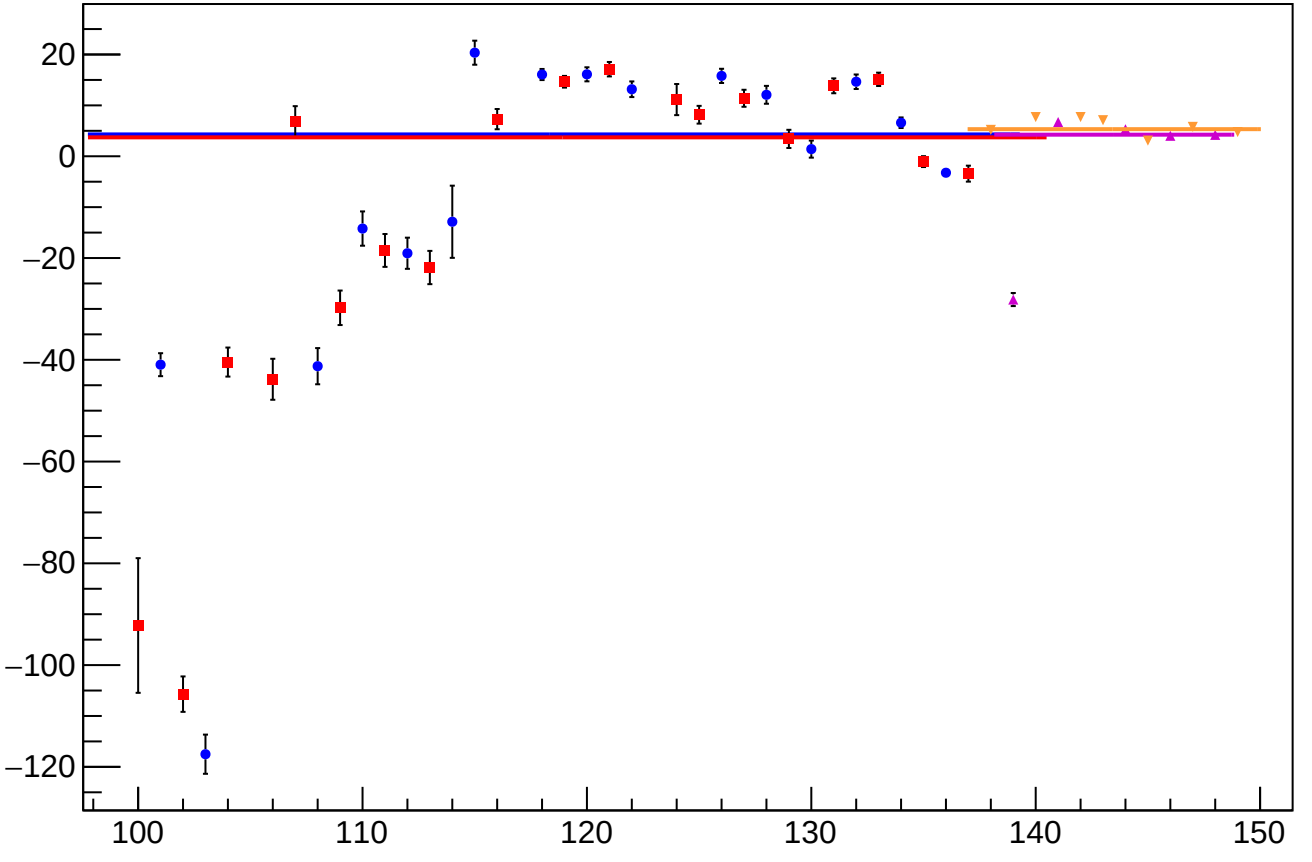
Left In: -7.568+/-0.237 χ^2/NDF:473.5/4

+ sign -9.193+/-0.196 χ^2/NDF: 1236.5/22

All: -8.221+/-0.142 χ^2/NDF: 2256.5/46

- 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: 5.327+/-0.167 χ^2/NDF:115.3/6

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

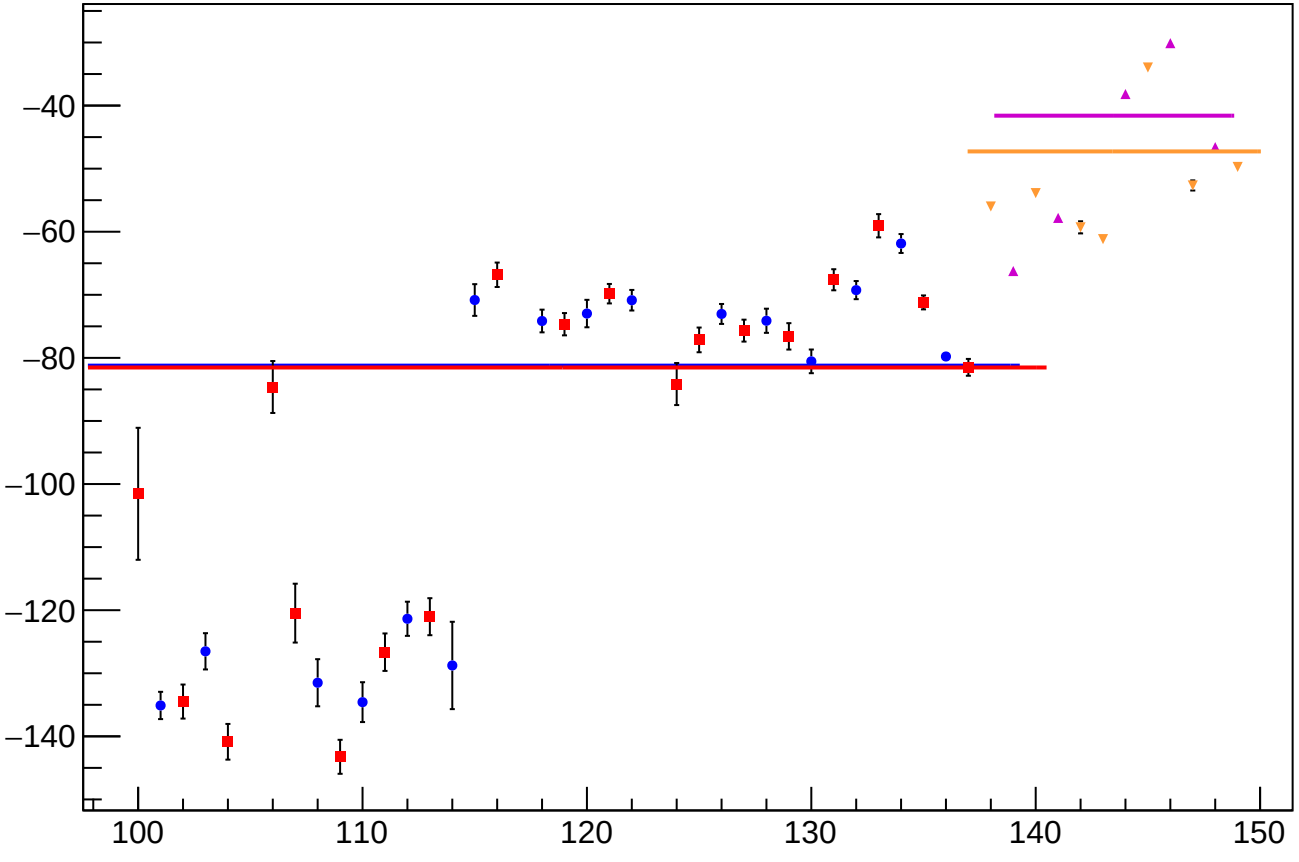
Left In: 4.243+/-0.161 χ^2/NDF:677.6/4

+ sign 5.163+/-0.153 χ^2/NDF: 2290.5/22

All: 4.660+/-0.107 χ^2/NDF: 4997.8/46

- 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: -47.269+/-0.232 χ^2/NDF:2153.9/6

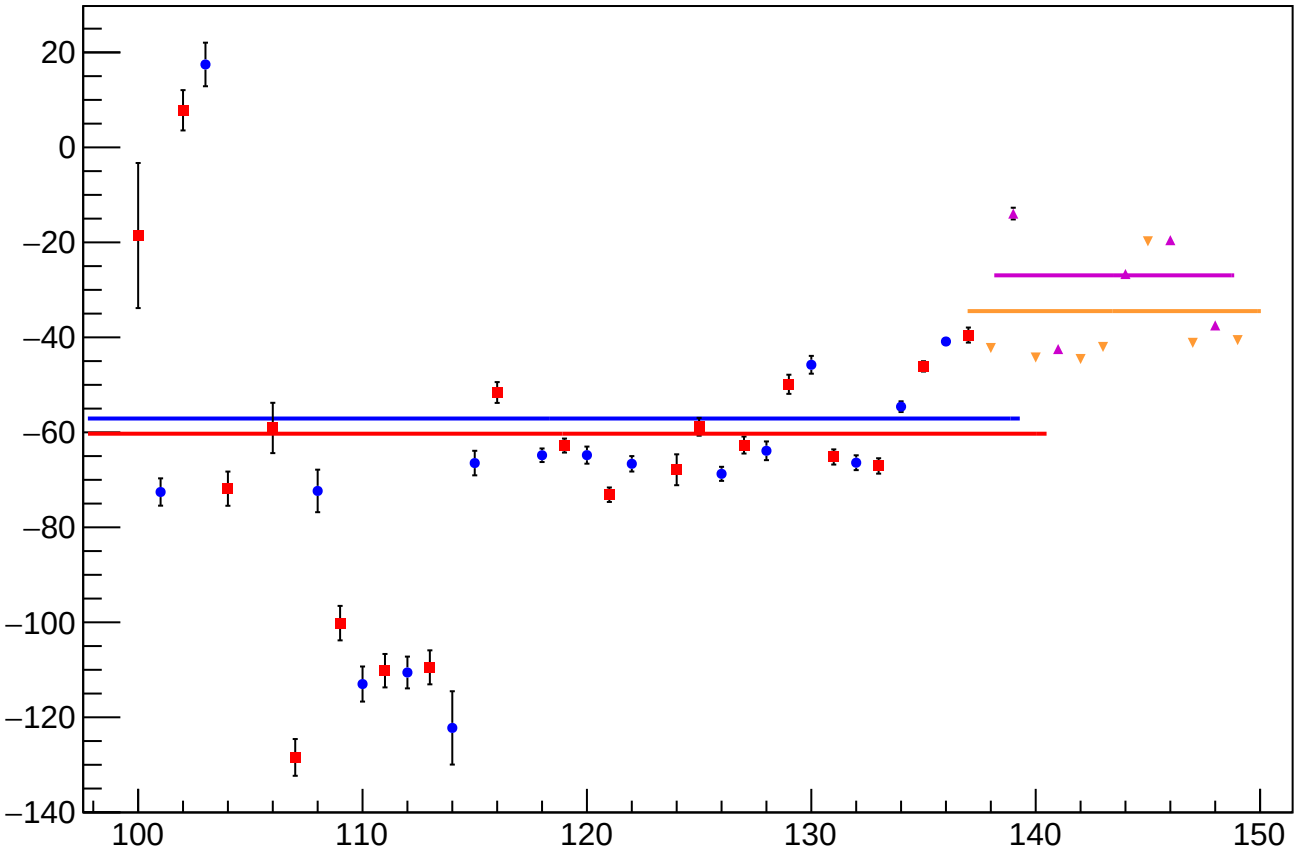
Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -41.603+/-0.237 χ^2/NDF:2705.9/4

\+ sign -55.280+/-0.202 χ^2/NDF: 9197.4/22

All: -52.715+/-0.146 χ^2/NDF: 20449.8/46

\- sign -49.932+/-0.211 χ^2/NDF: 10917.7/23



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -34.473+/-0.201 χ^2/NDF:2907.2/6

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

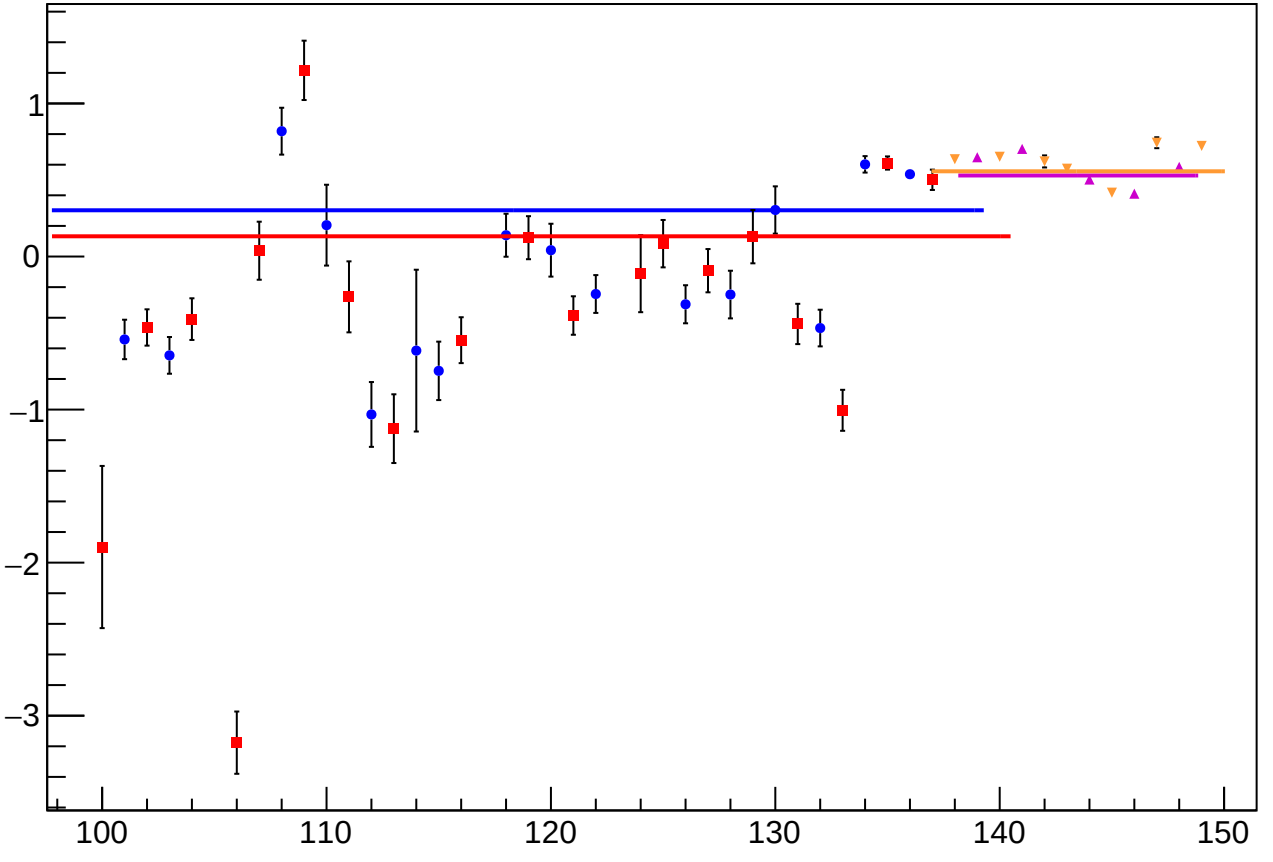
Left In: -26.942+/-0.198 χ^2/NDF:1875.1/4

+ sign -38.597+/-0.182 χ^2/NDF: 6741.5/22

All: -35.285+/-0.129 χ^2/NDF: 15145.9/46

- 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: 0.557+/-0.010 χ^2/NDF:166.2/6

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

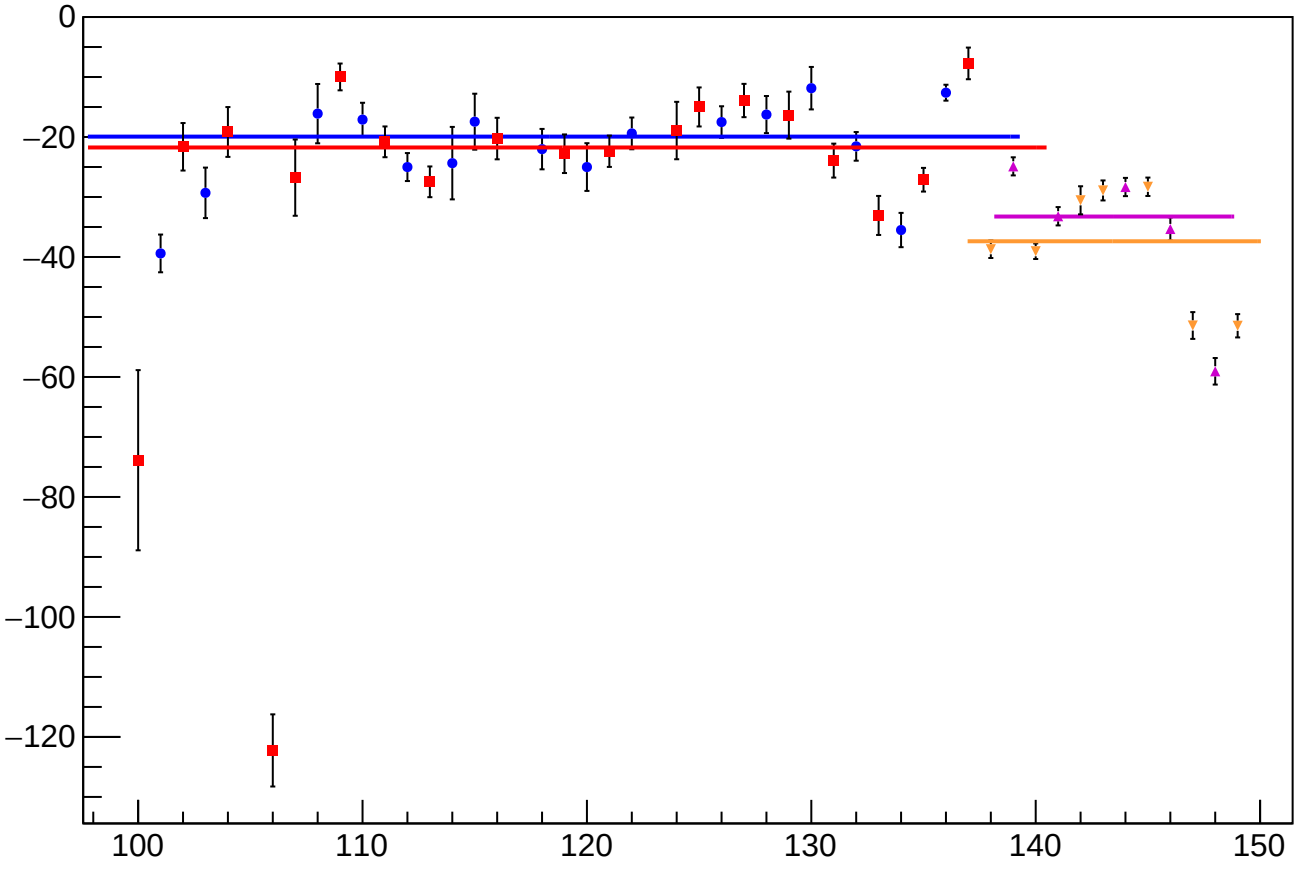
Left In: 0.530+/-0.010 χ^2/NDF:116.9/4

+ sign 0.519+/-0.009 χ^2/NDF: 645.9/22

All: 0.501+/-0.006 χ^2/NDF: 1641.4/46

- 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: -37.380+/-0.633 χ^2/NDF:164.0/6

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

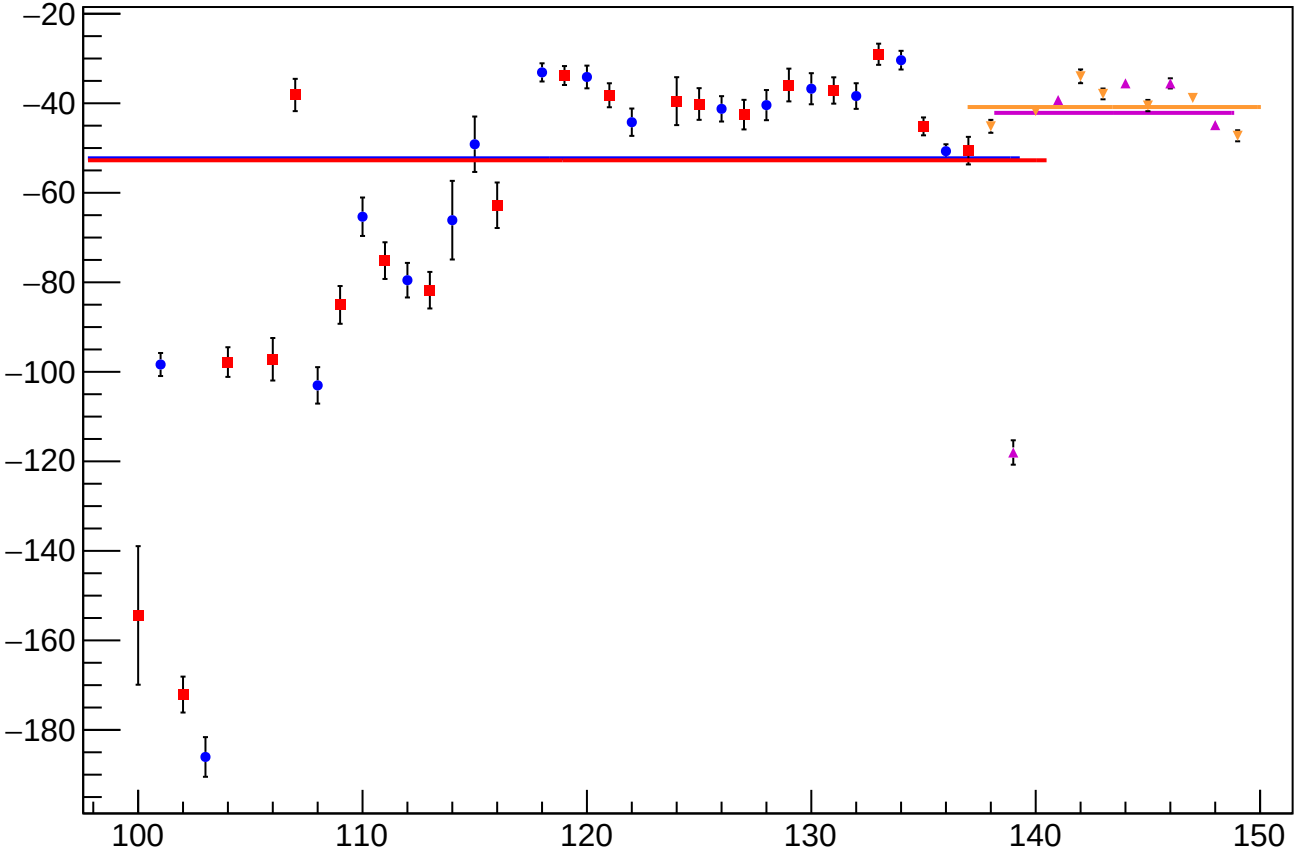
Left In: -33.257+/-0.751 χ^2/NDF:178.1/4

+ sign -29.472+/-0.468 χ^2/NDF: 629.3/22

All: -28.453+/-0.347 χ^2/NDF: 1329.7/46

- 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: -40.839+/-0.462 χ^2/NDF:66.4/6

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

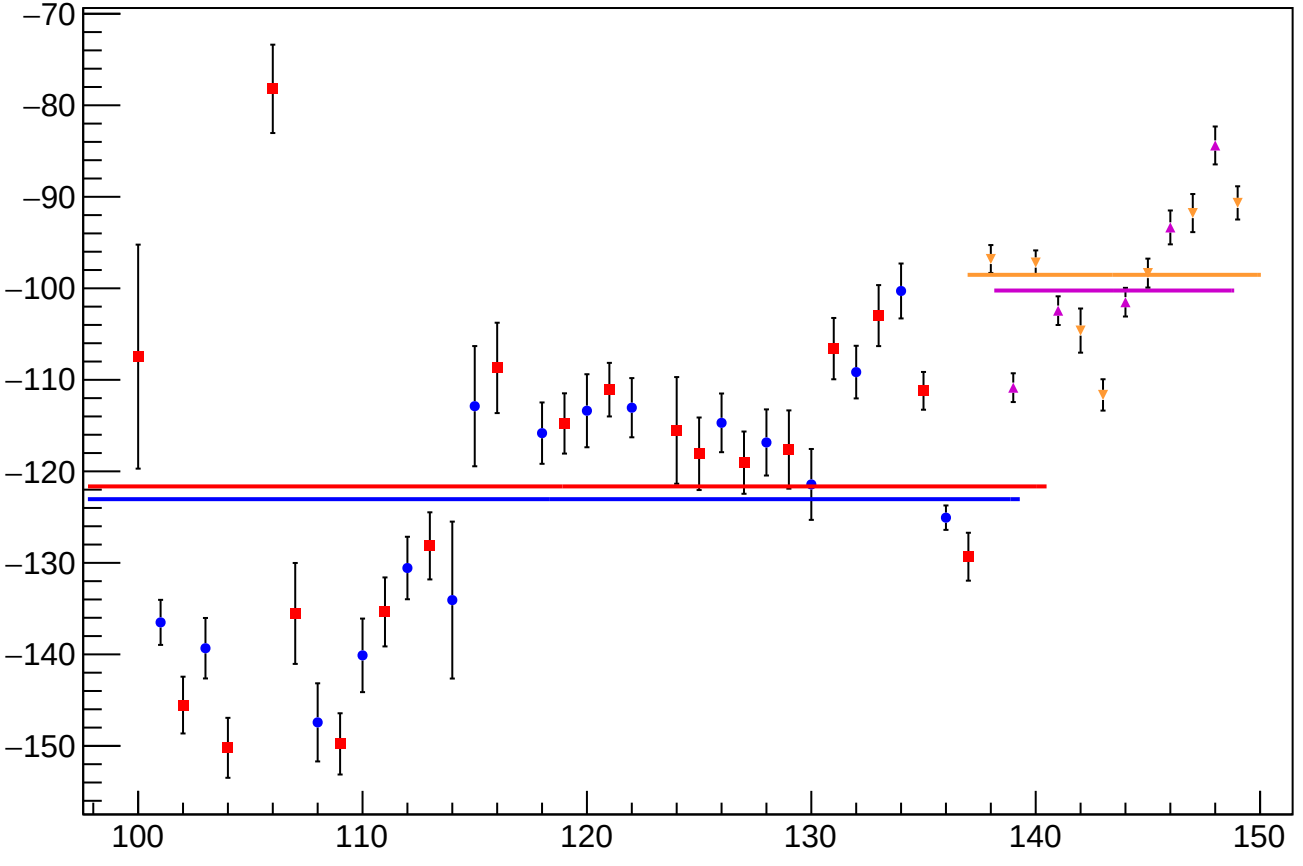
Left In: -42.143+/-0.542 χ^2/NDF:856.1/4

+ sign -44.265+/-0.387 χ^2/NDF: 2028.1/22

All: -44.932+/-0.290 χ^2/NDF: 4685.0/46

- 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: -98.525+/-0.640 χ^2/NDF:96.6/6

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

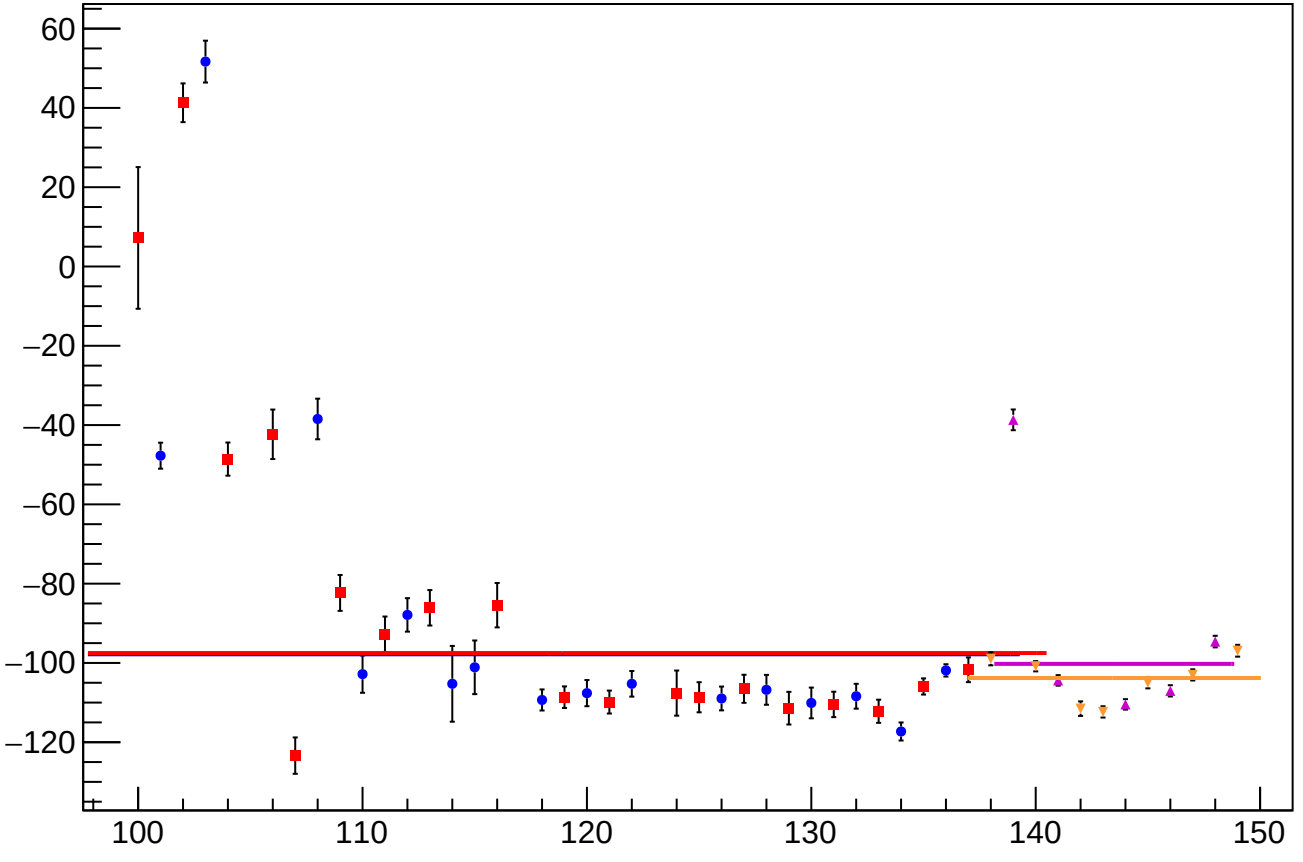
Left In: -100.240+/-0.757 χ^2/NDF:120.6/4

+ sign -108.855+/-0.487 χ^2/NDF: 941.6/22

All: -109.507+/-0.365 χ^2/NDF: 1867.8/46

- 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: -103.804+/-0.560 χ^2/NDF:89.9/6

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

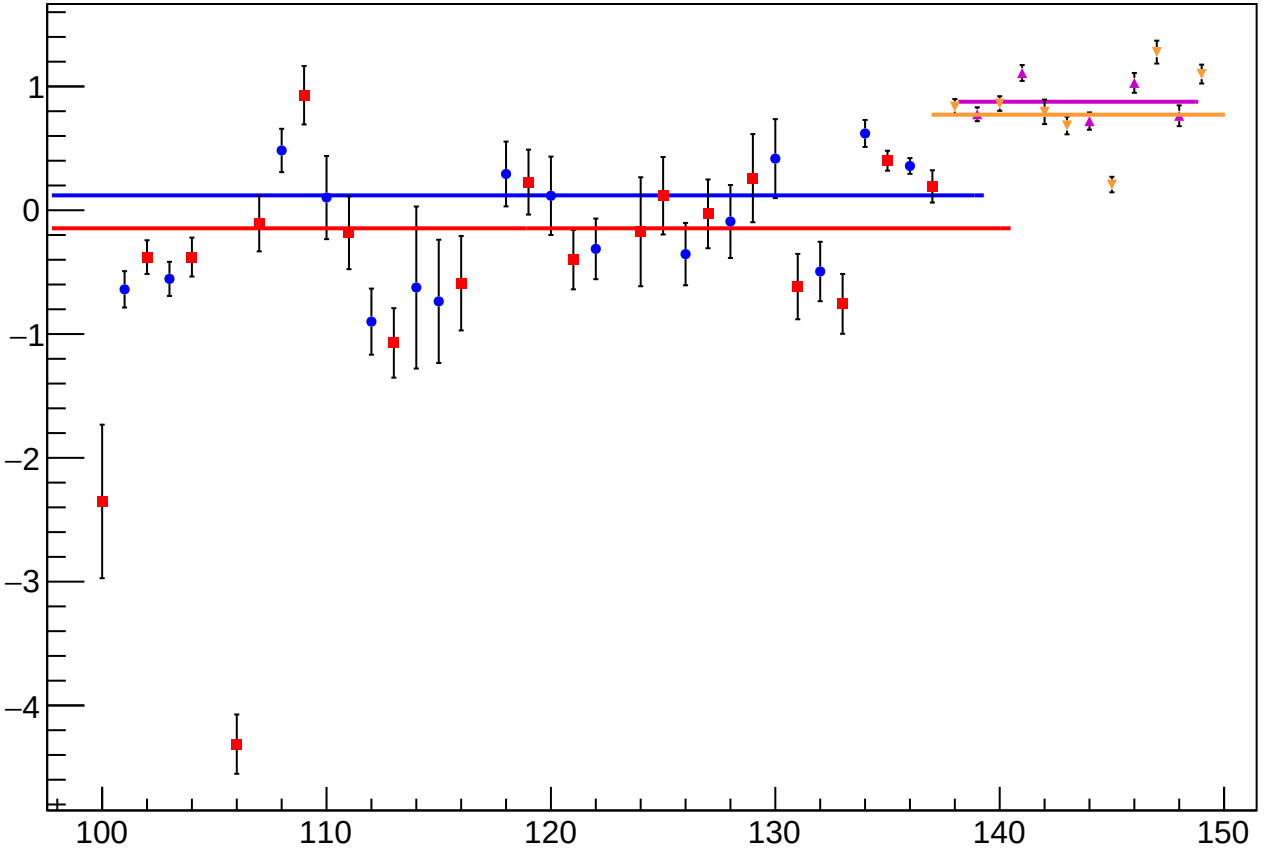
Left In: -100.236+/-0.666 χ^2/NDF:661.8/4

+ sign -101.810+/-0.458 χ^2/NDF: 1458.7/22

All: -100.671+/-0.344 χ^2/NDF: 3377.7/46

- 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: 0.772+/-0.027 χ^2/NDF:134.8/6

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

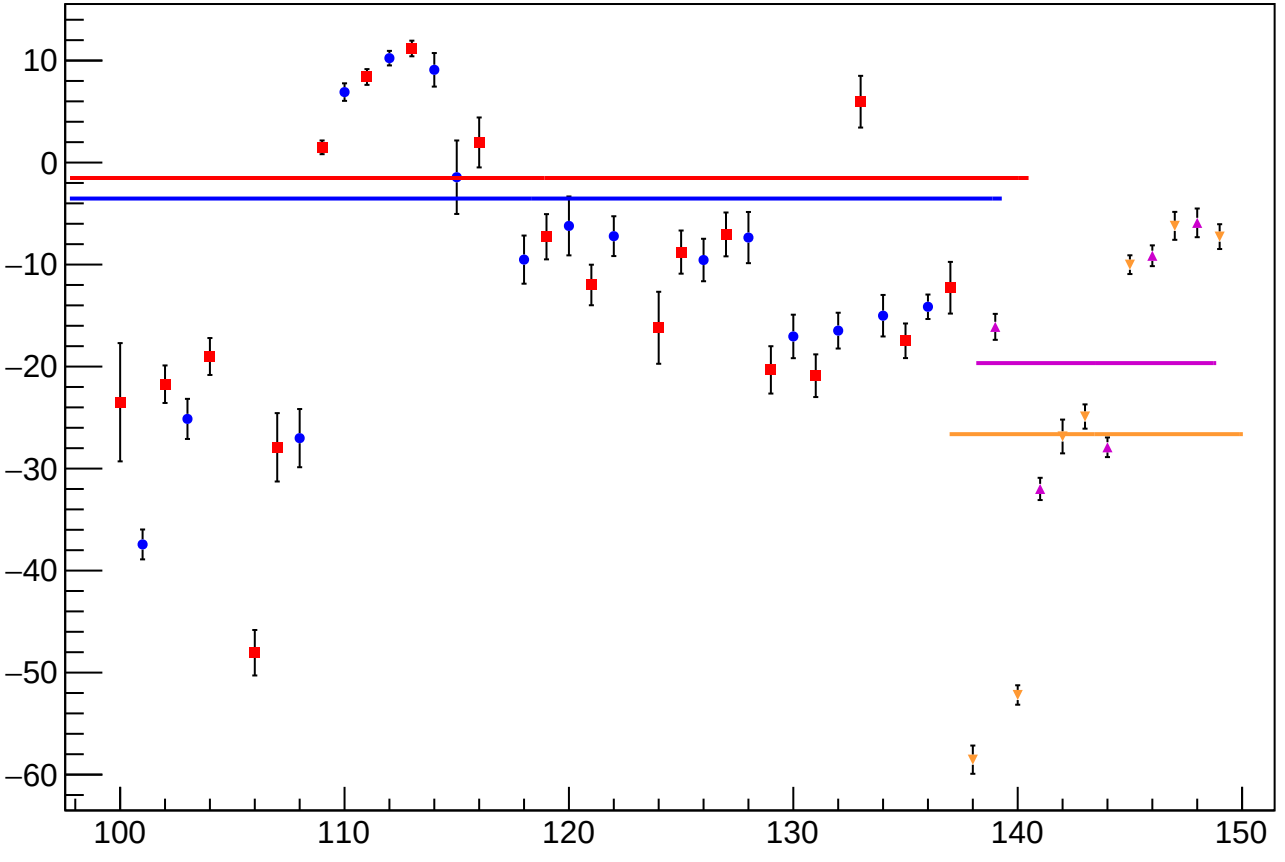
Left In: 0.877+/-0.031 χ^2/NDF:26.8/4

+ sign 0.579+/-0.022 χ^2/NDF: 434.7/22

All: 0.567+/-0.017 χ^2/NDF: 1237.1/46

- 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: -26.625+/-0.444 χ^2/NDF:2054.7/6

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

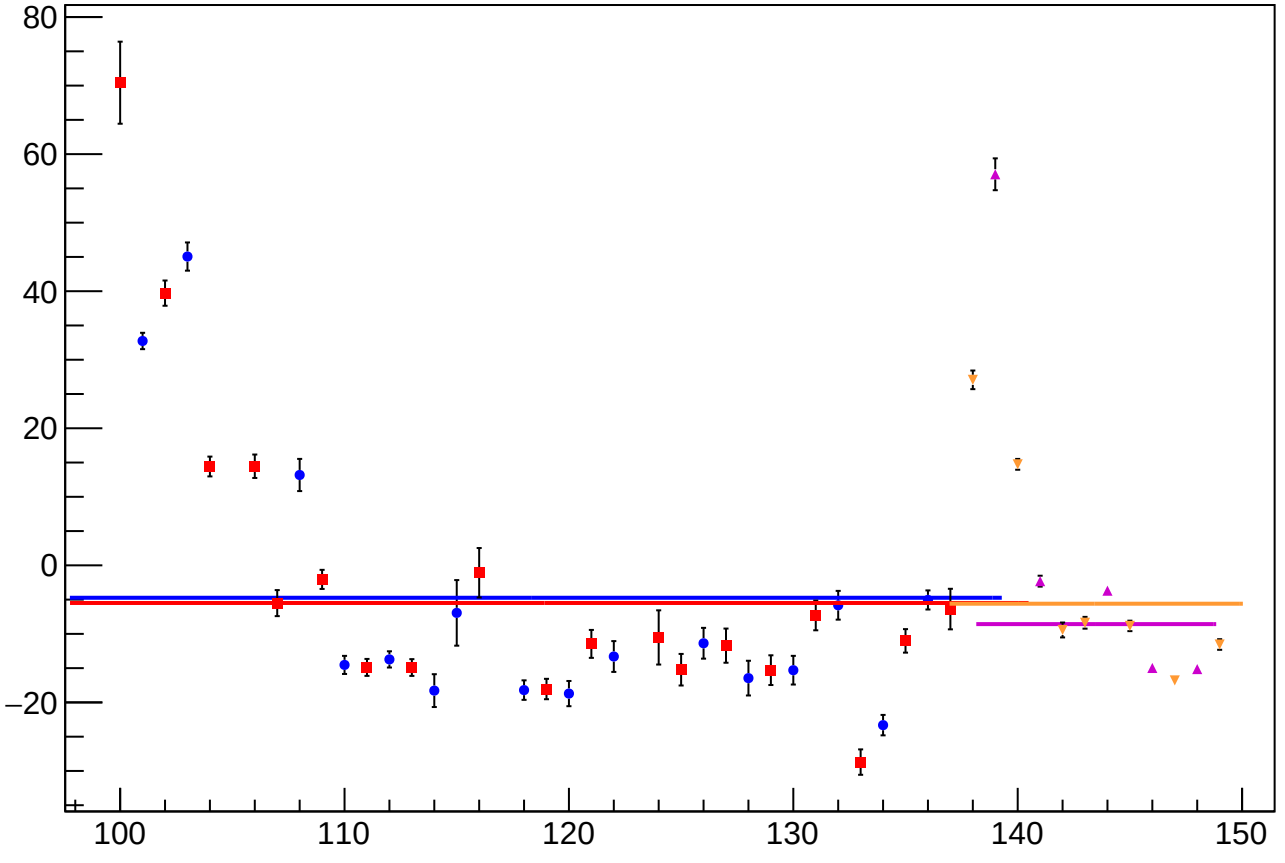
Left In: -19.659+/-0.500 χ^2/NDF:411.4/4

+ sign -13.209+/-0.287 χ^2/NDF: 5159.1/22

All: -10.141+/-0.201 χ^2/NDF: 8222.0/46

- 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: -5.599+/-0.313 χ^2/NDF:1651.4/6

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

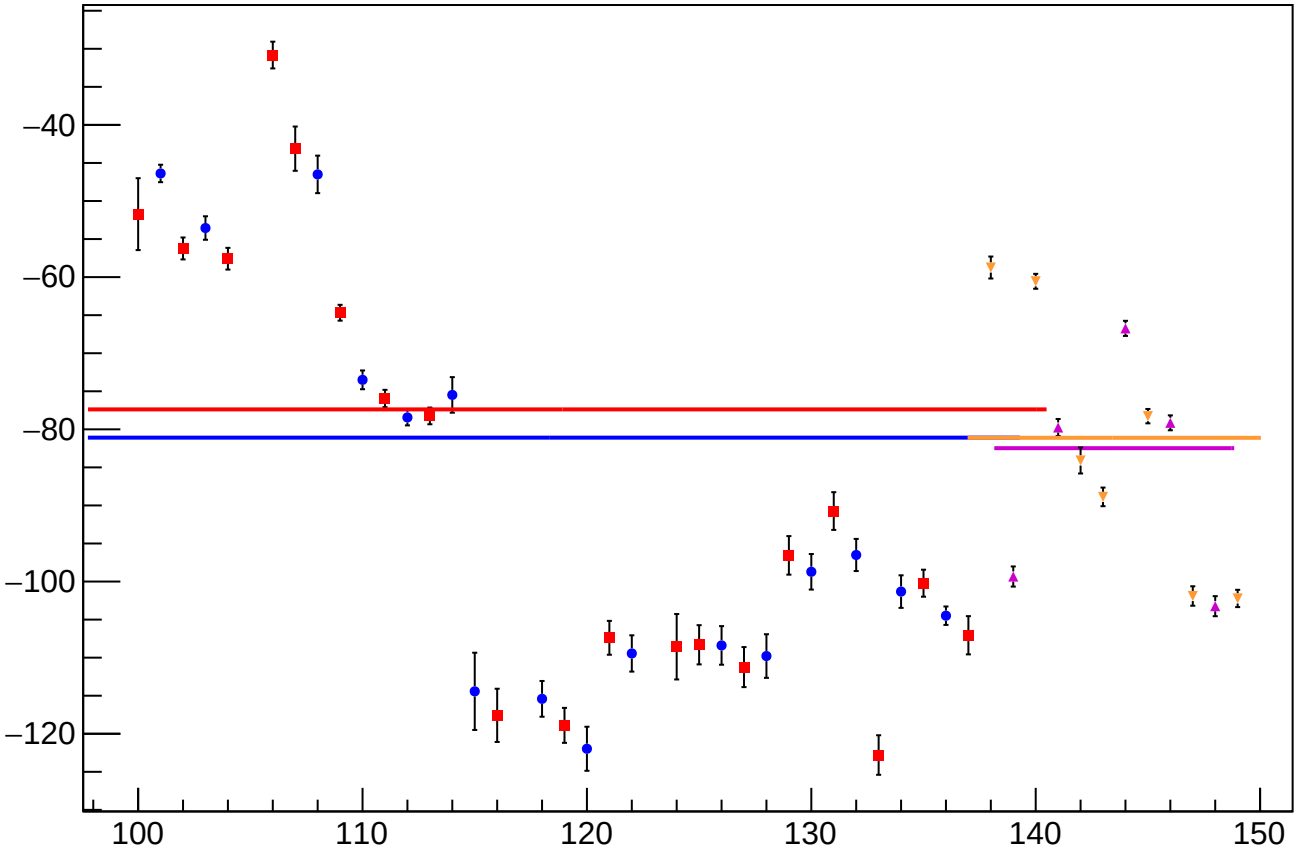
Left In: -8.574+/-0.340 χ^2/NDF:1111.5/4

+ sign -5.298+/-0.253 χ^2/NDF: 3802.0/22

All: -6.283+/-0.183 χ^2/NDF: 6486.1/46

- 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: -81.113+/-0.446 χ^2/NDF:1341.7/6

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

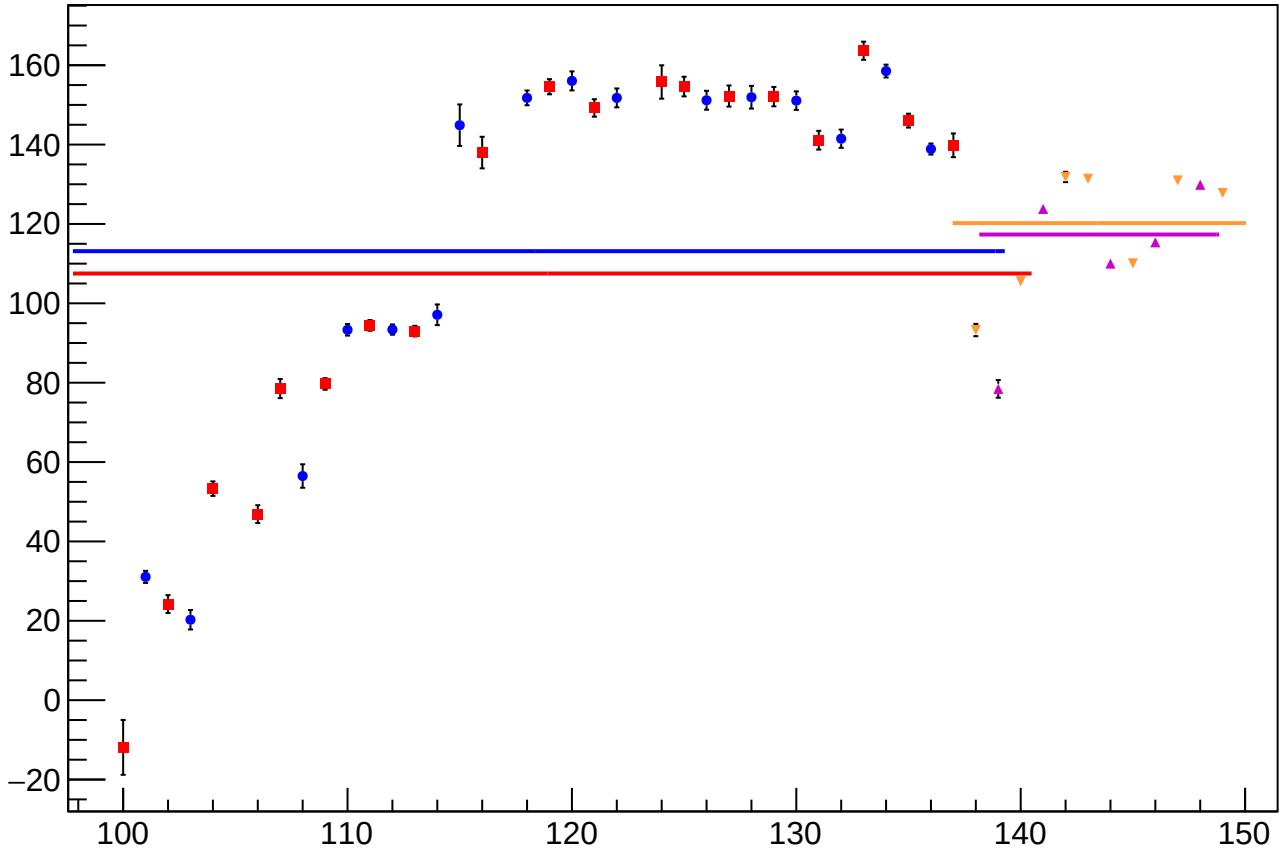
Left In: -82.475+/-0.500 χ^2/NDF:679.5/4

+ sign -81.102+/-0.312 χ^2/NDF: 4212.0/22

All: -80.305+/-0.224 χ^2/NDF: 8095.8/46

- 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: 120.219+/-0.381 χ^2/NDF:1094.4/6

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

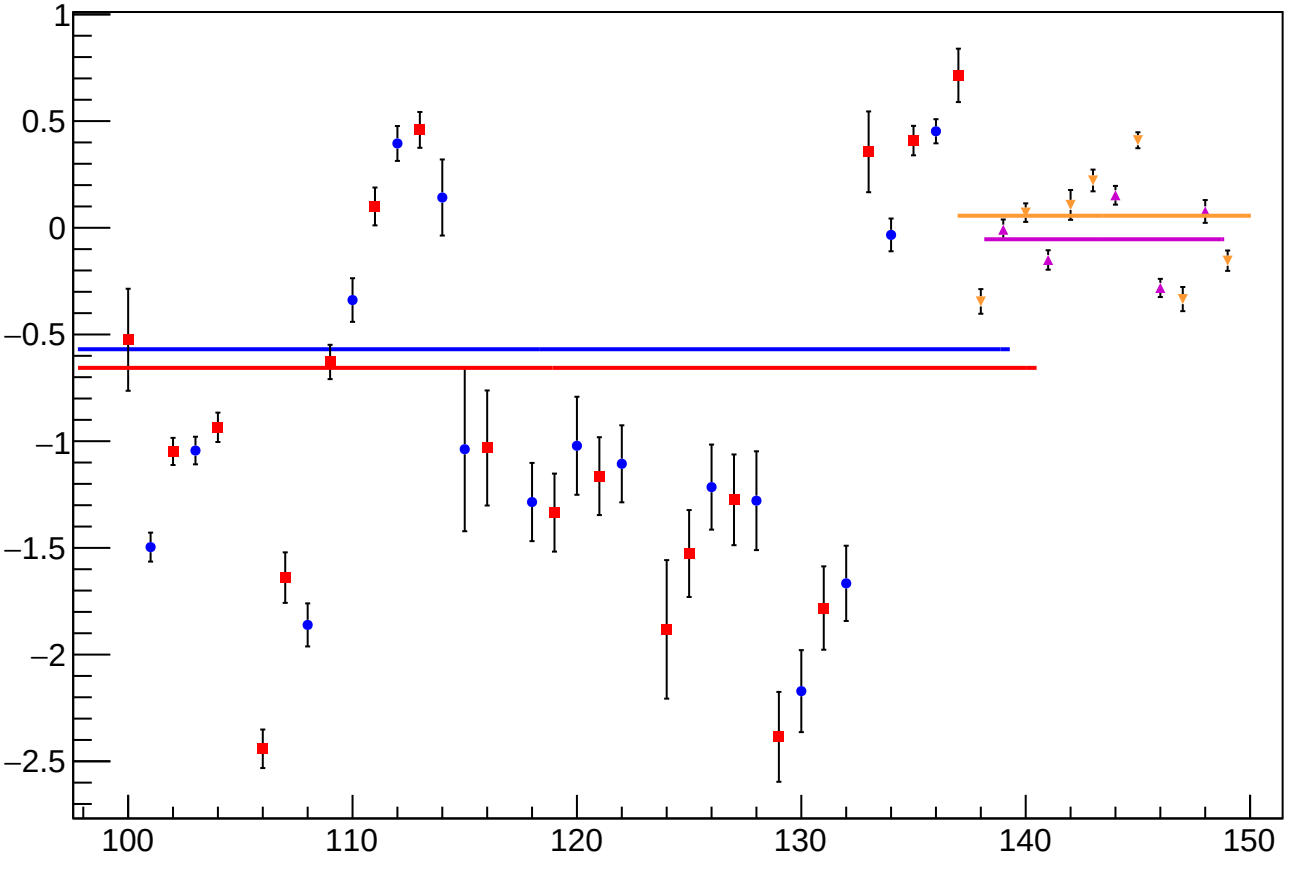
Left In: 117.339+/-0.421 χ^2/NDF:615.8/4

+ sign 117.543+/-0.301 χ^2/NDF: 9428.7/22

All: 115.415+/-0.218 χ^2/NDF: 17931.1/46

- 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: 0.057+/-0.019 χ^2/NDF:216.1/6

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

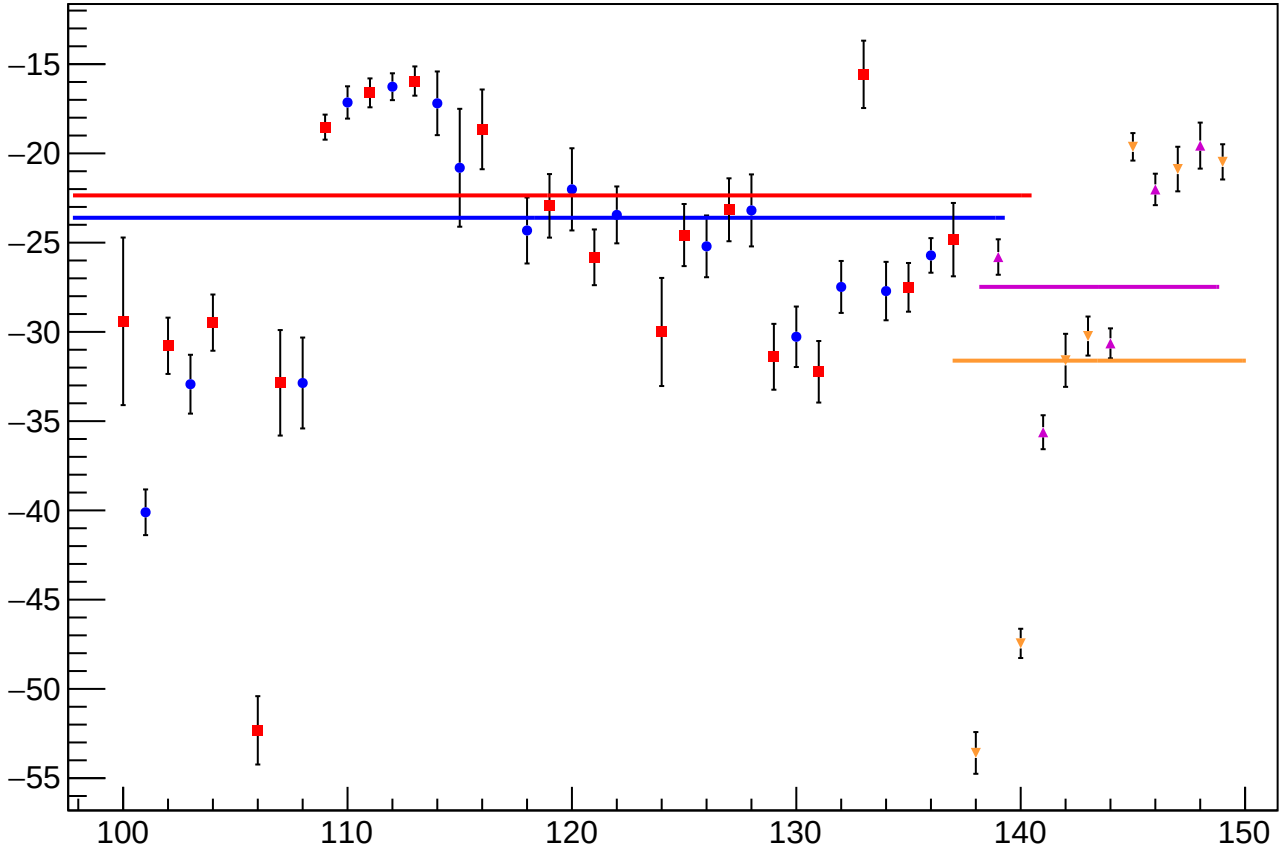
Left In: -0.054+/-0.021 χ^2/NDF:62.0/4

+ sign -0.158+/-0.015 χ^2/NDF: 1700.4/22

All: -0.223+/-0.011 χ^2/NDF: 3458.8/46

- 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: -31.611+/-0.382 χ^2/NDF:1171.6/6

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

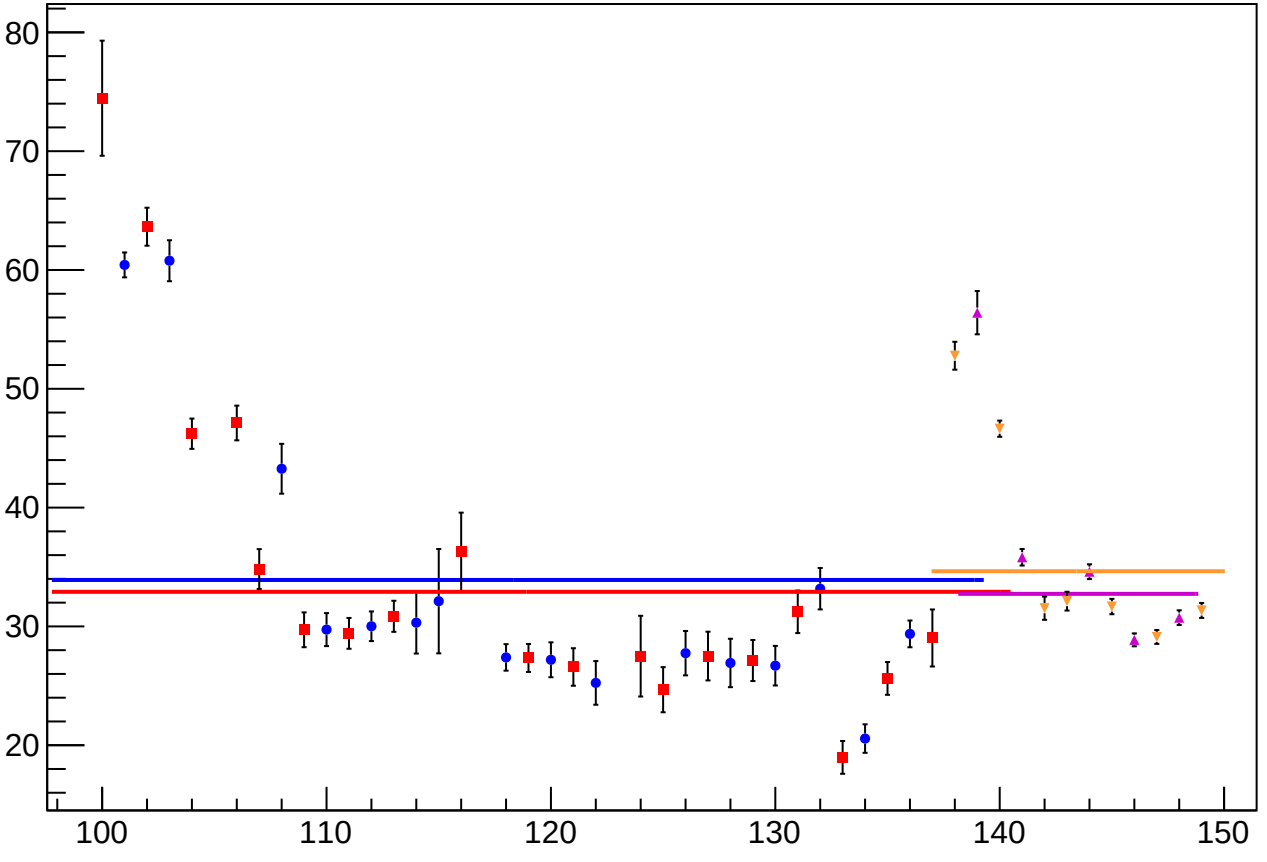
Left In: -27.478+/-0.429 χ^2/NDF:166.4/4

+ sign -27.244+/-0.257 χ^2/NDF: 1818.0/22

All: -25.722+/-0.182 χ^2/NDF: 2697.4/46

- 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: 34.643+/-0.274 χ^2/NDF:707.2/6

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

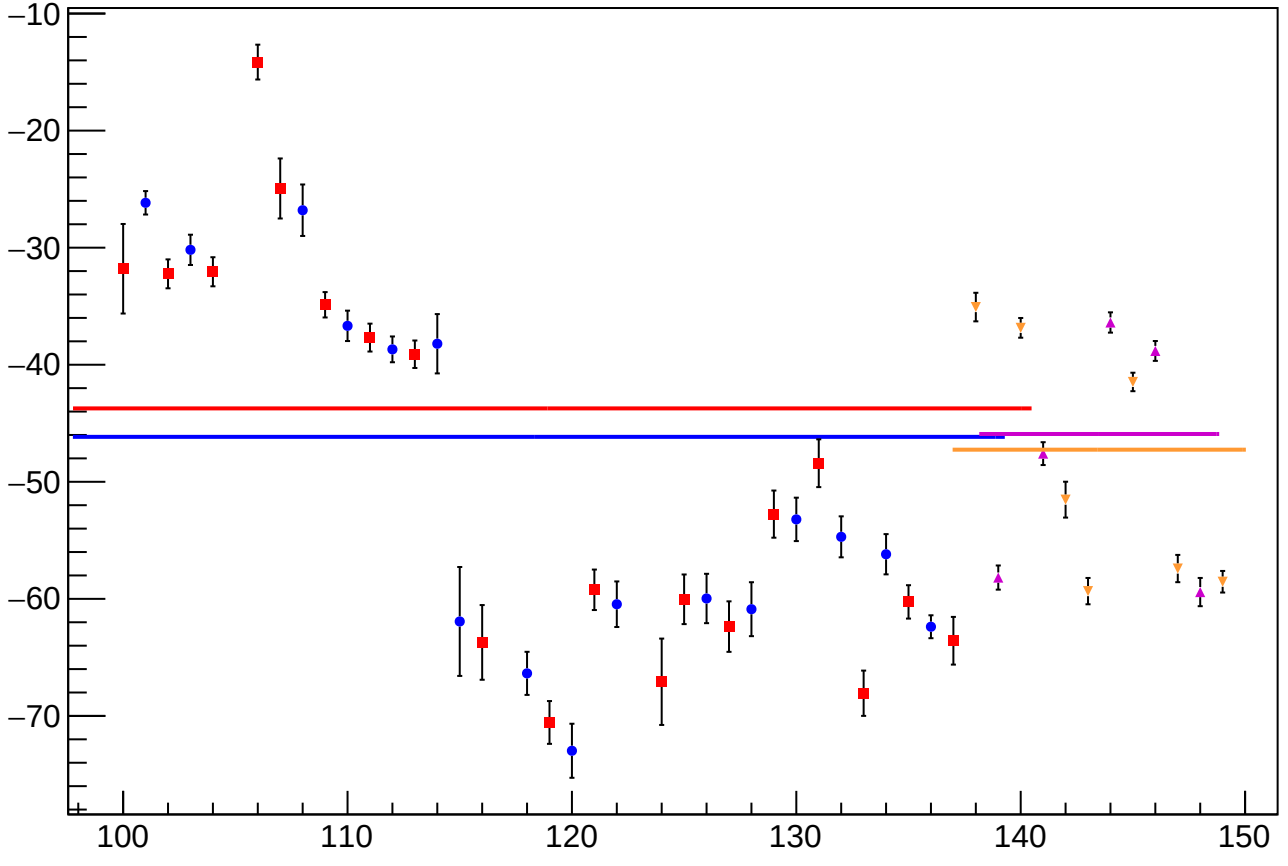
Left In: 32.741+/-0.303 χ^2/NDF:258.3/4

+ sign 34.389+/-0.221 χ^2/NDF: 1894.1/22

All: 33.647+/-0.161 χ^2/NDF: 3051.5/46

- 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: -47.256+/-0.383 χ^2/NDF:654.7/6

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

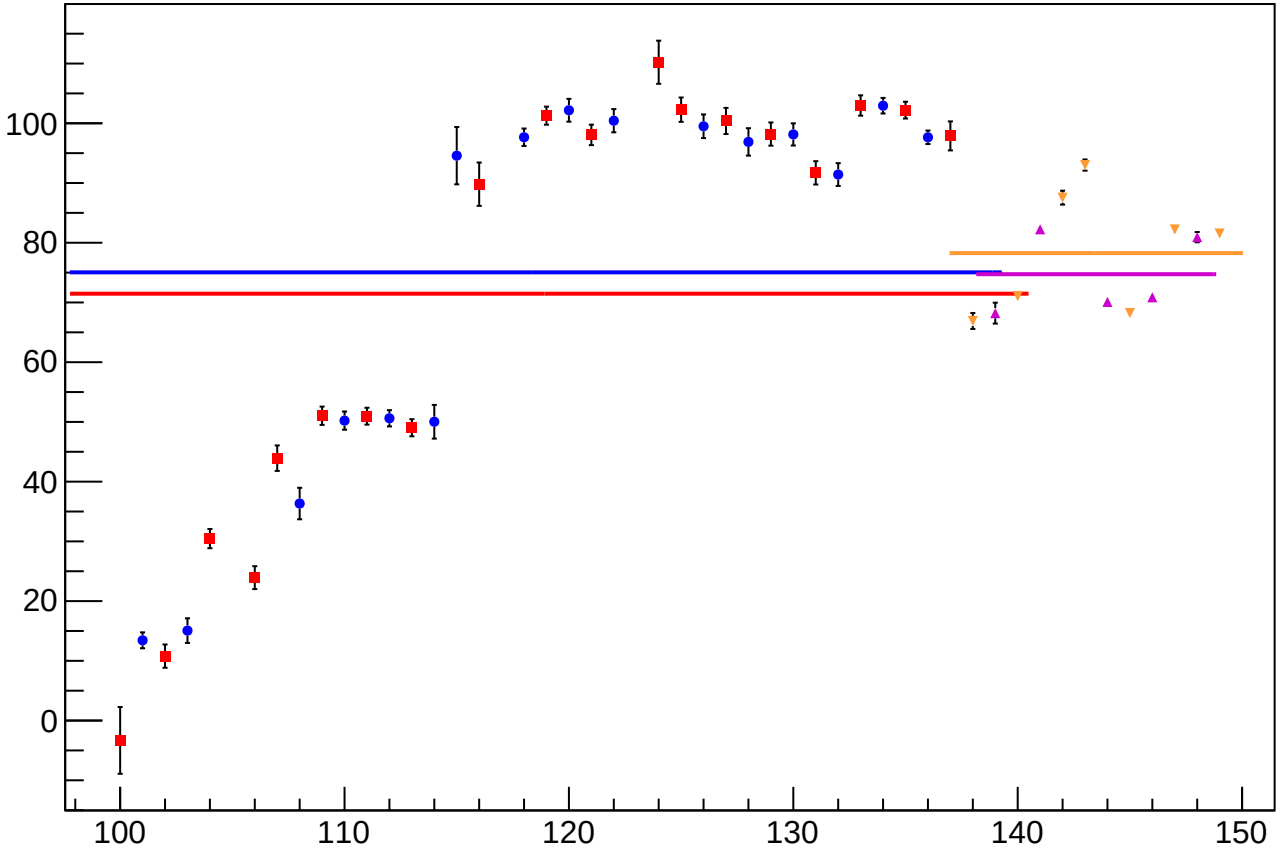
Left In: -45.916+/-0.430 χ^2/NDF:460.2/4

+ sign -46.718+/-0.273 χ^2/NDF: 2148.3/22

All: -45.740+/-0.197 χ^2/NDF: 4313.1/46

- 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: 78.266+/-0.331 χ^2/NDF:690.6/6

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

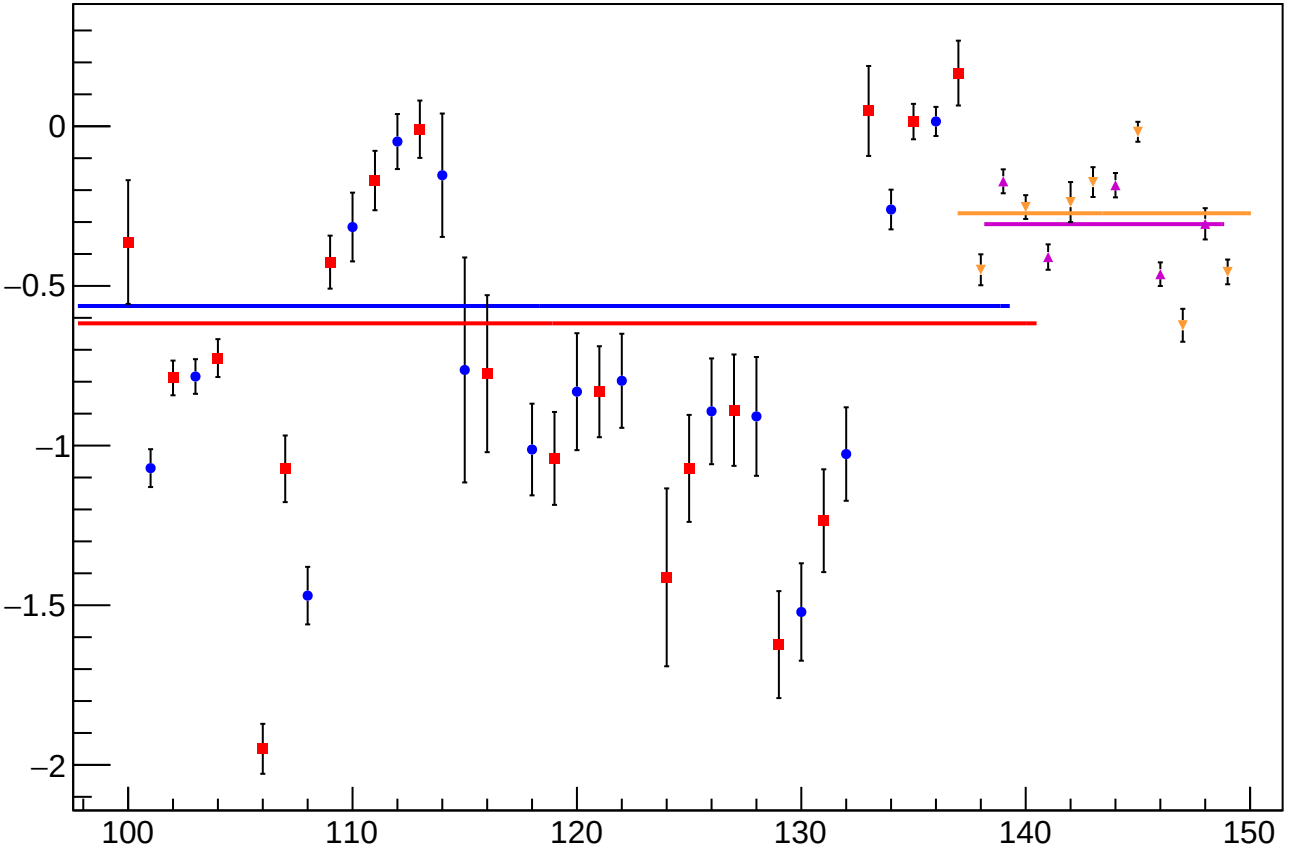
Left In: 74.733+/-0.371 χ^2/NDF:223.0/4

+ sign 77.055+/-0.262 χ^2/NDF: 6554.4/22

All: 75.311+/-0.191 χ^2/NDF: 12533.9/46

- 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: -0.272+/-0.016 χ^2/NDF:154.0/6

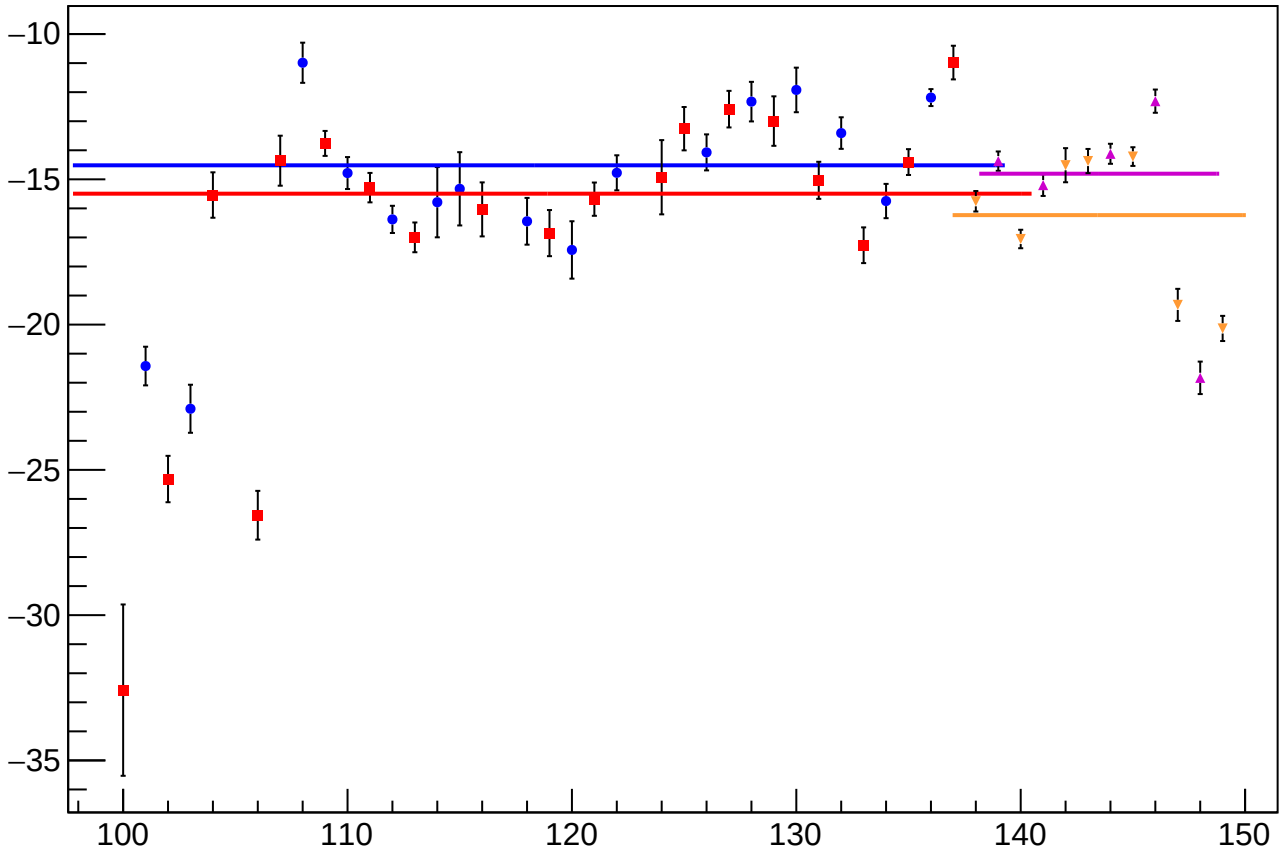
Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.307+/-0.018 χ^2/NDF:47.7/4

+ sign -0.371+/-0.013 χ^2/NDF: 759.6/22

All: -0.398+/-0.009 χ^2/NDF: 1625.7/46

- sign -0.428+/-0.014 χ^2/NDF: 857.3/23



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -16.232+/-0.149 χ^2/NDF:188.7/6

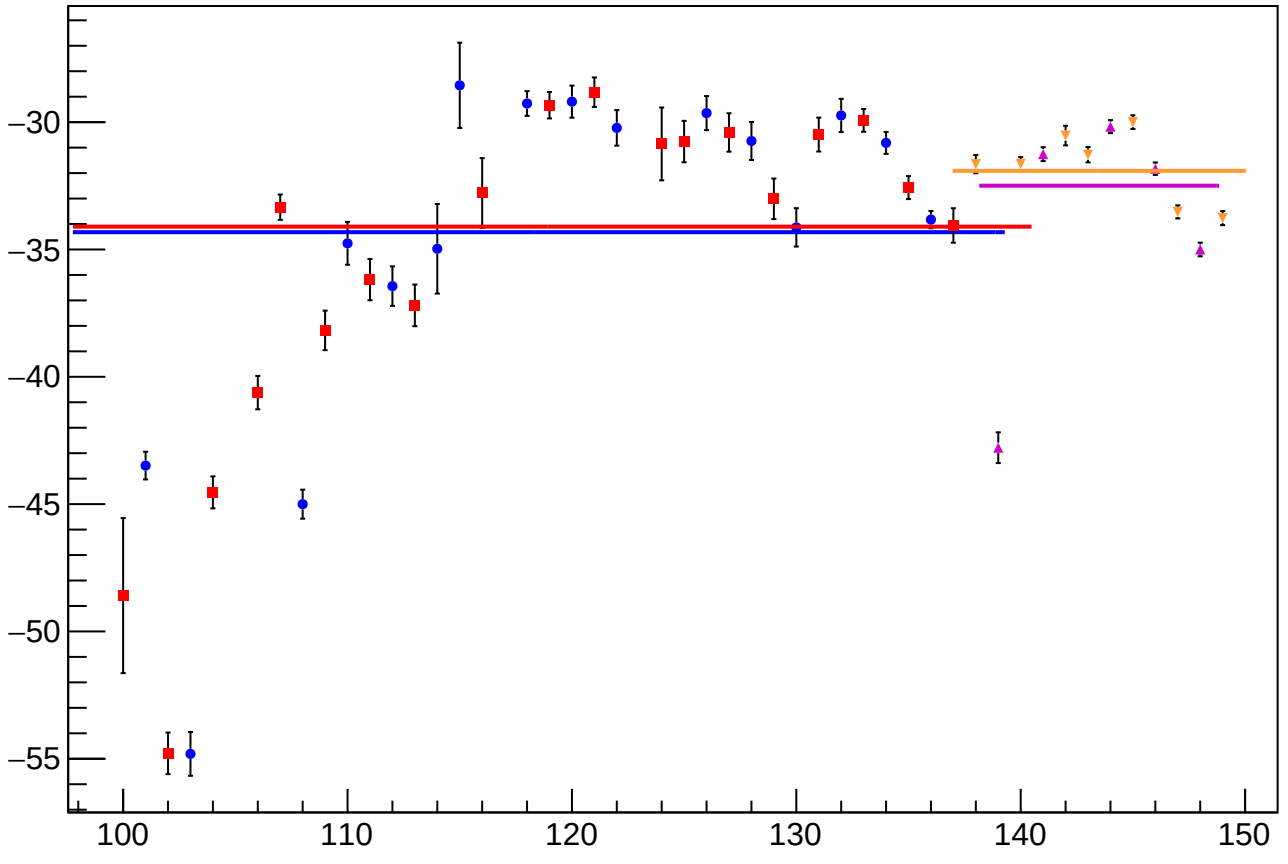
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.806+/-0.171 χ^2/NDF:203.8/4

+ sign -15.376+/-0.106 χ^2/NDF: 617.9/22

All: -15.292+/-0.077 χ^2/NDF: 1336.0/46

- sign -15.196+/-0.113 χ^2/NDF: 716.8/23



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.912+/-0.111 χ^2/NDF:153.5/6

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

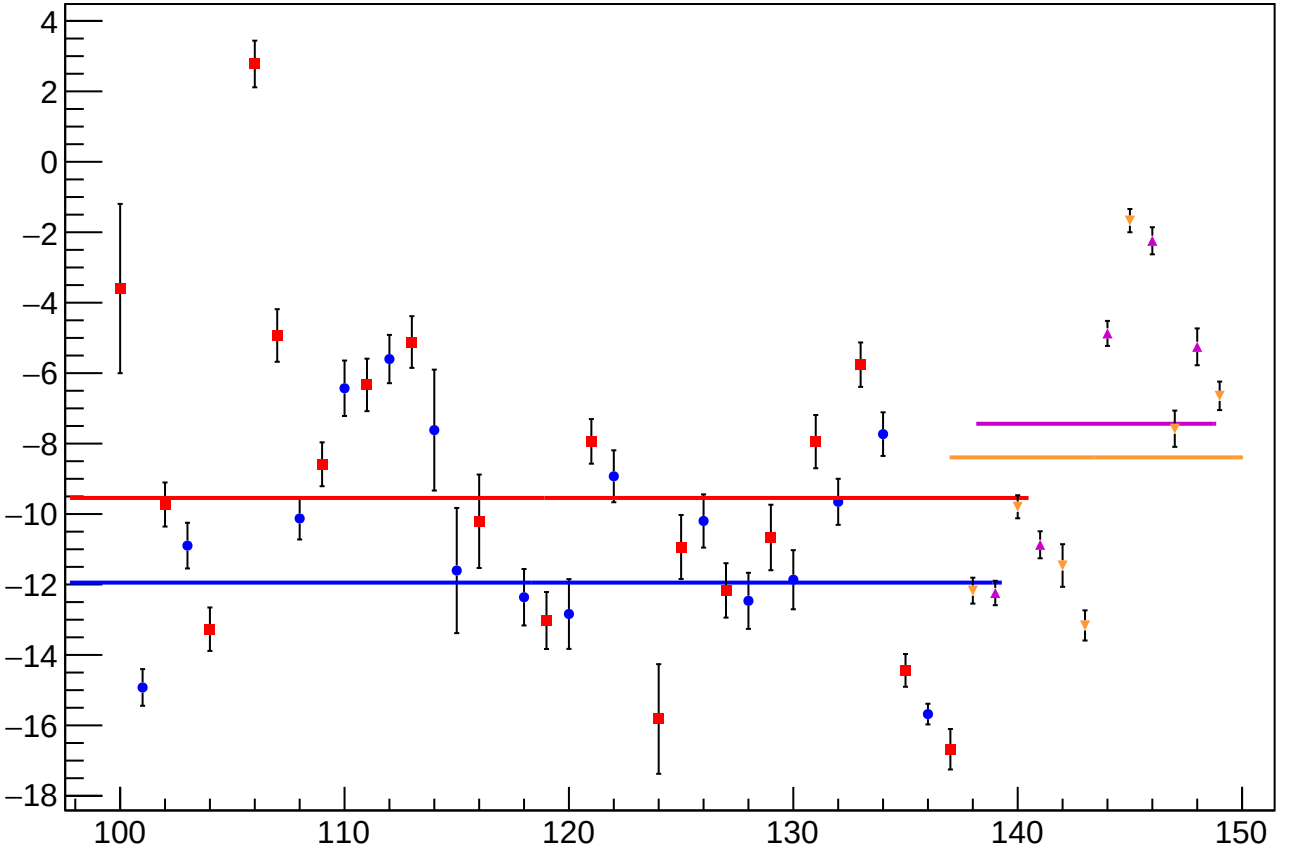
Left In: -32.495+/-0.127 χ^2/NDF:486.5/4

+ sign -32.738+/-0.090 χ^2/NDF: 1936.4/22

All: -32.924+/-0.066 χ^2/NDF: 3931.9/46

- 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: -8.392+/-0.151 χ^2/NDF:709.8/6

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

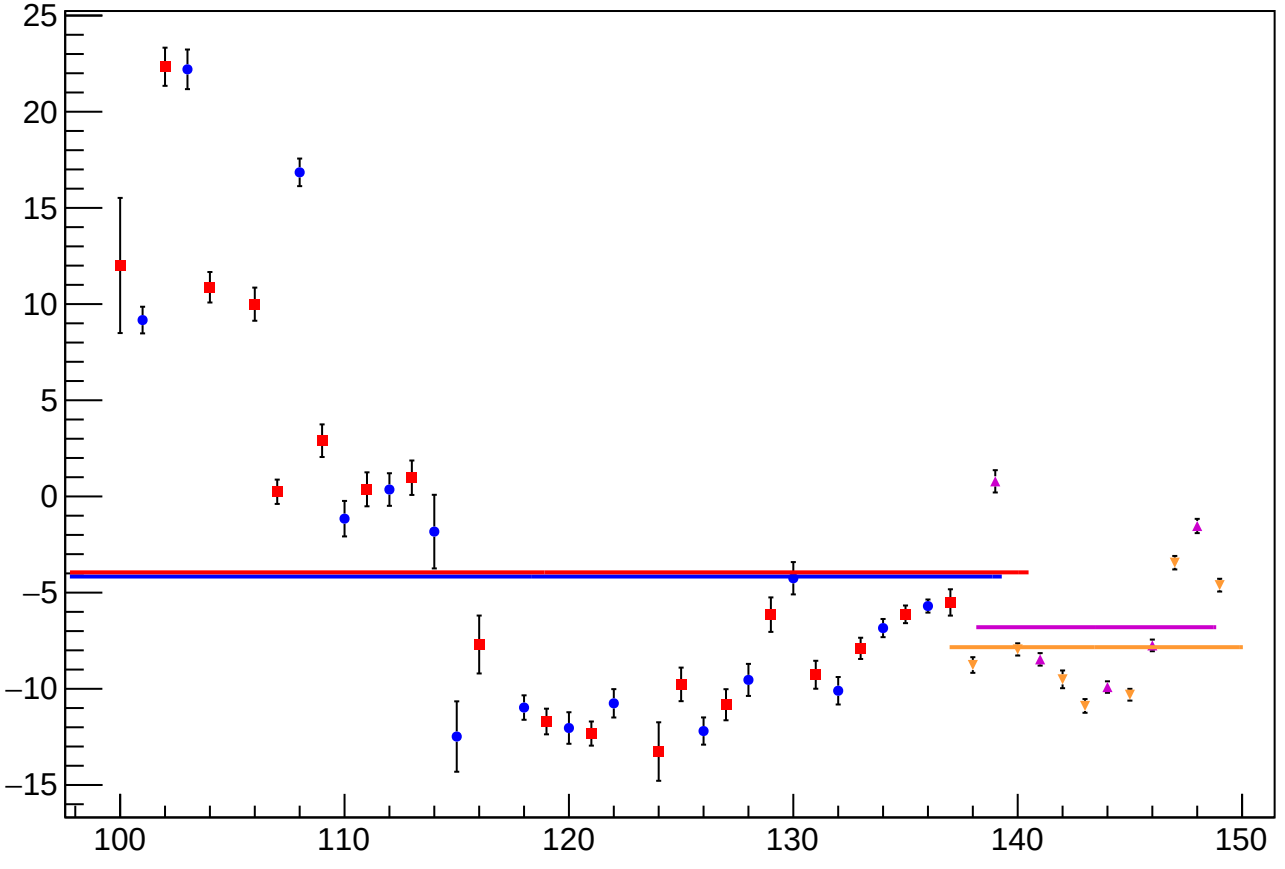
Left In: -7.437+/-0.173 χ^2/NDF:524.6/4

+ sign -10.063+/-0.110 χ^2/NDF: 1400.9/22

All: -9.364+/-0.081 χ^2/NDF: 2938.7/46

- sign -8.538+/-0.119 χ^2/NDF: 1449.4/23

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -7.836+/-0.133 χ^2/NDF:407.8/6

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

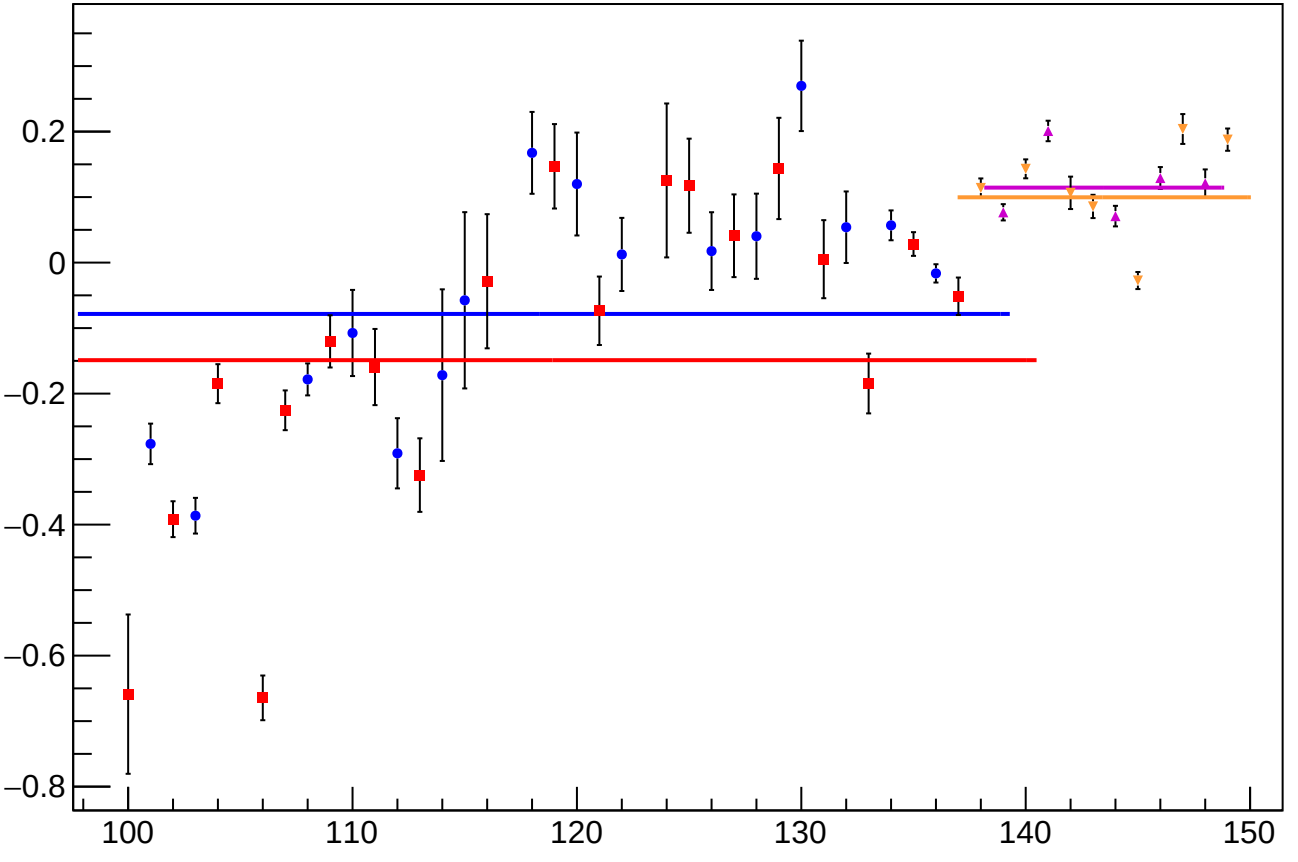
Left In: -6.798+/-0.155 χ^2/NDF:517.1/4

\+ sign -6.457+/-0.105 χ^2/NDF: 3217.8/22

All: -6.050+/-0.078 χ^2/NDF: 6026.2/46

\- sign -5.555+/-0.116 χ^2/NDF: 2775.2/23

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.100+/-0.006 χ^2/NDF:153.4/6

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

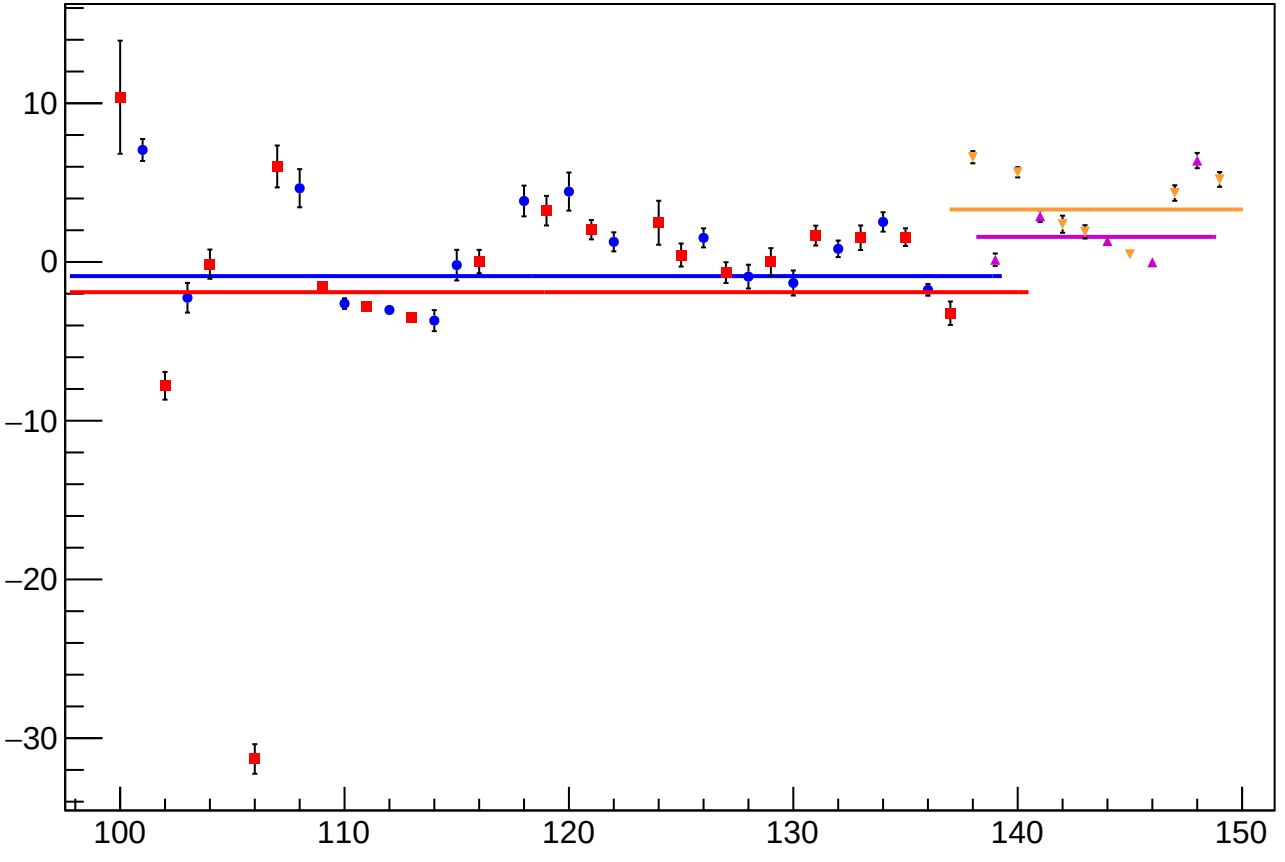
Left In: 0.114+/-0.007 χ^2/NDF:48.3/4

+ sign 0.038+/-0.005 χ^2/NDF: 753.8/22

All: 0.028+/-0.004 χ^2/NDF: 1863.7/46

- 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: 3.307+/-0.140 χ^2/NDF:295.9/6

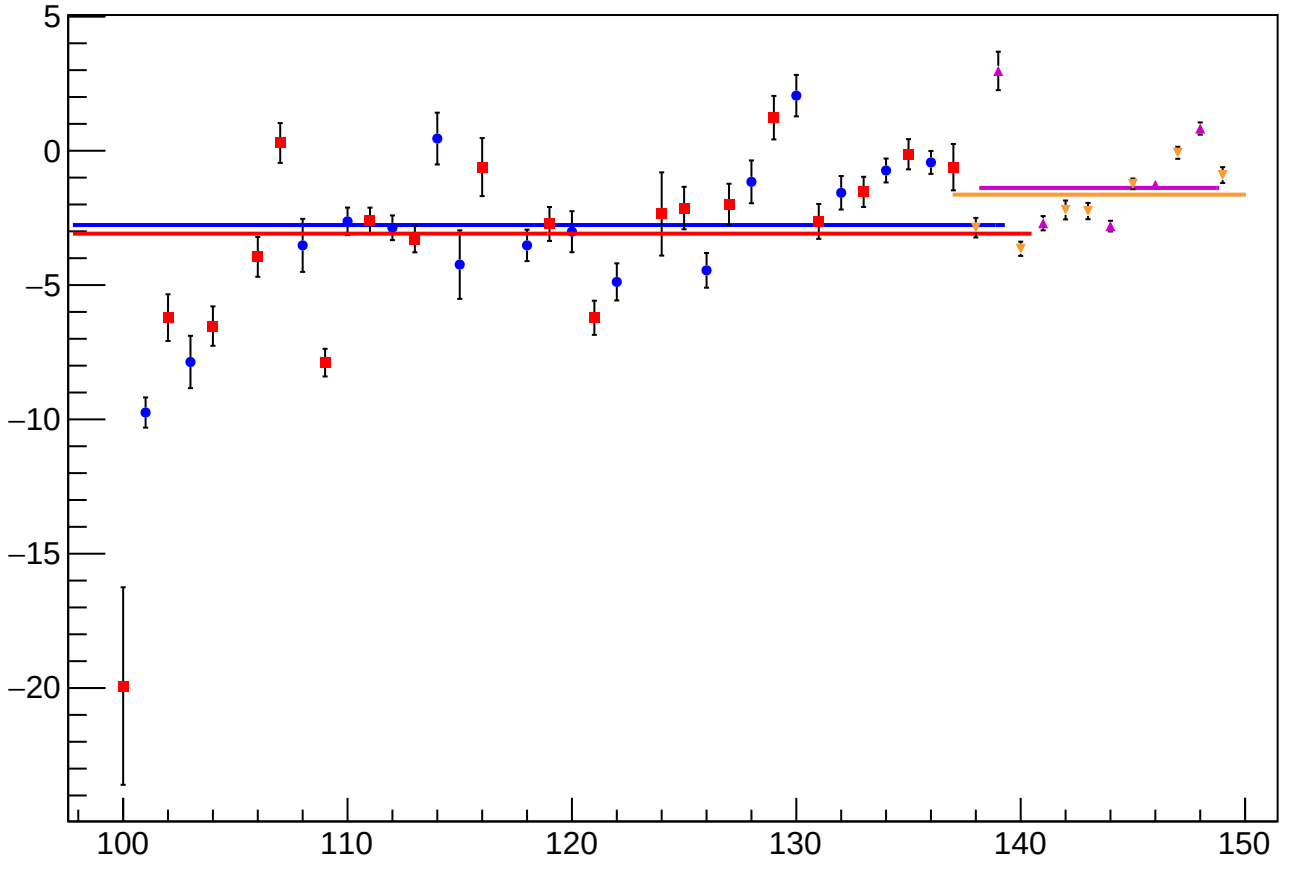
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.583+/-0.152 χ^2/NDF:154.7/4

+ sign 1.160+/-0.098 χ^2/NDF: 1136.9/22

All: 0.355+/-0.069 χ^2/NDF: 3065.5/46

- 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: -1.635+/-0.101 χ^2/NDF:134.5/6

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

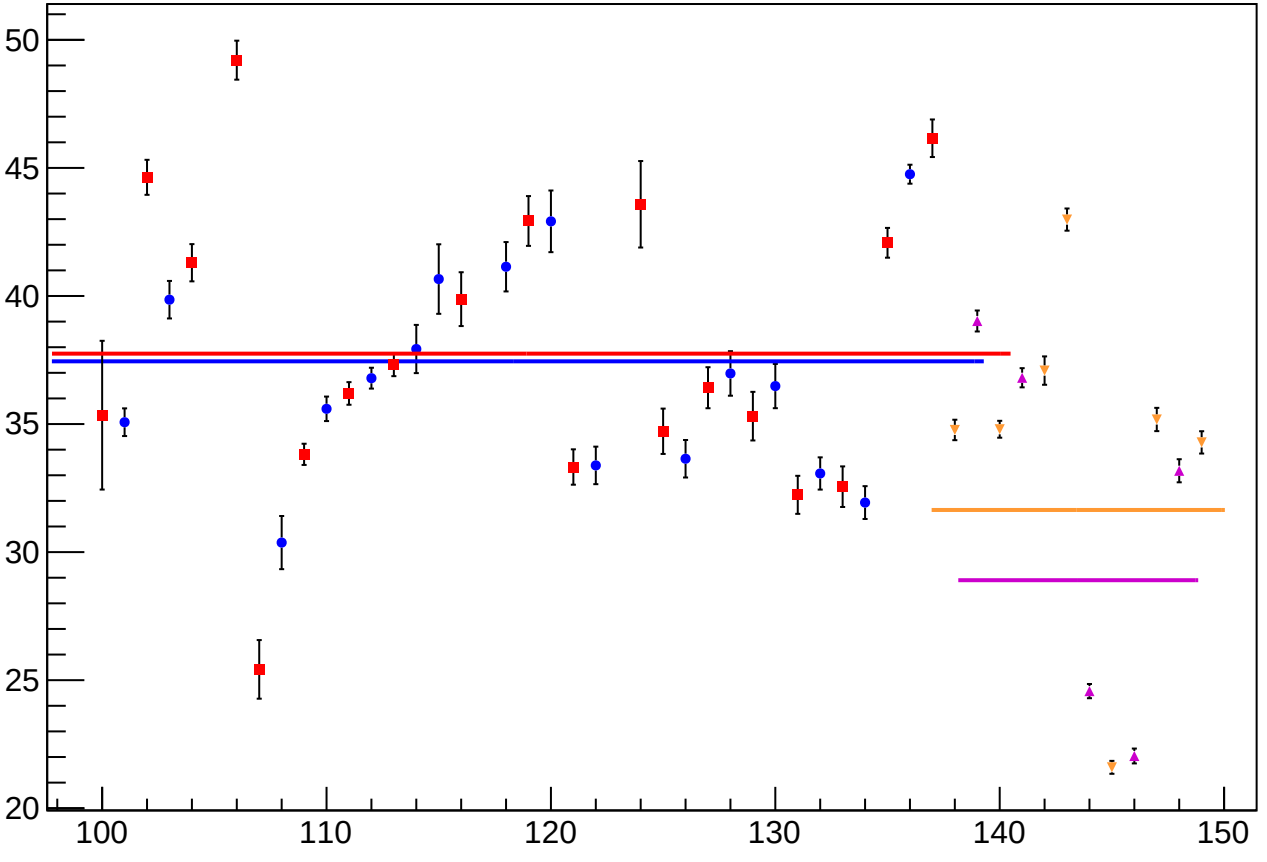
Left In: -1.384+/-0.104 χ^2/NDF:206.6/4

+ sign -1.970+/-0.085 χ^2/NDF: 481.4/22

All: -1.936+/-0.061 χ^2/NDF: 1042.1/46

- 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: 31.645+/-0.142 χ^2/NDF:2615.6/6

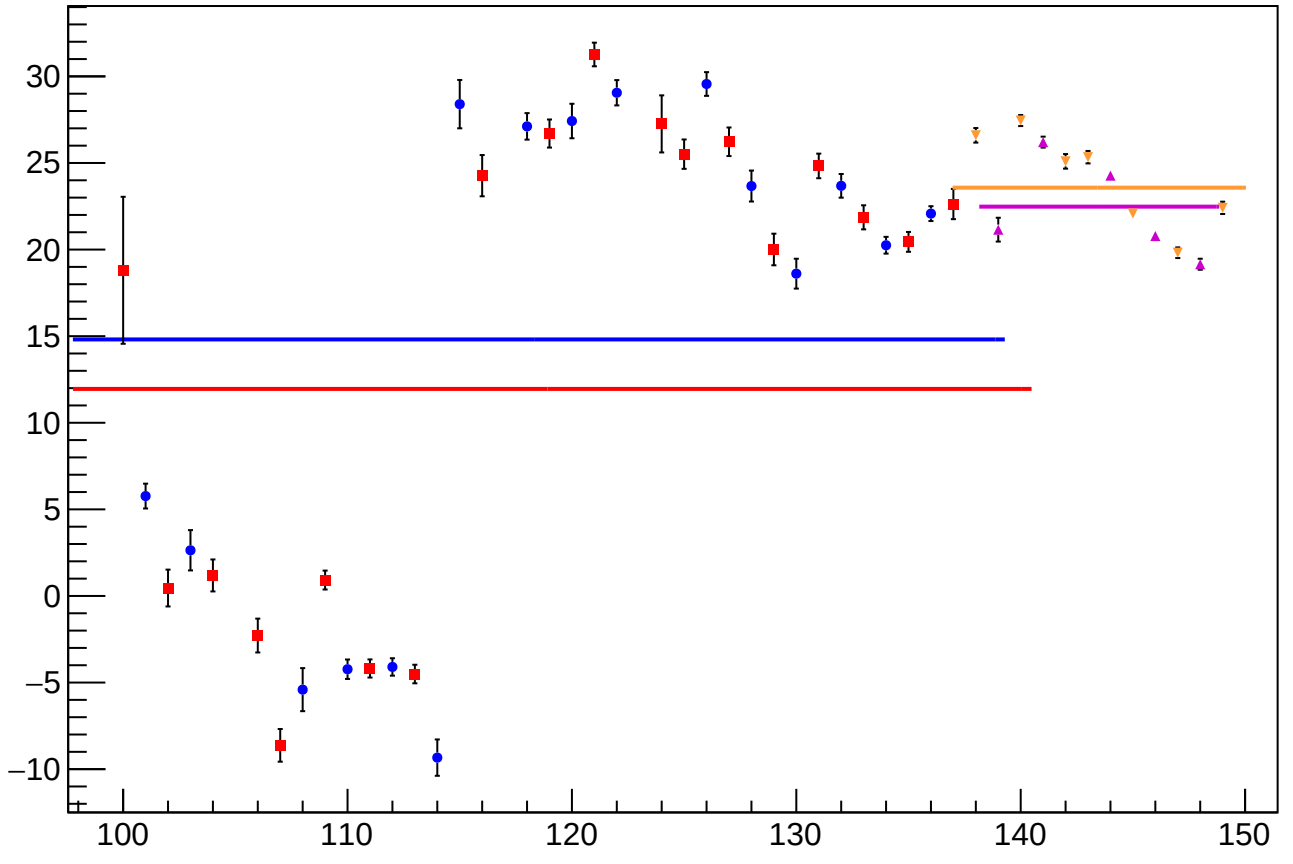
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 28.903+/-0.153 χ^2/NDF:1948.1/4

+ sign 34.182+/-0.106 χ^2/NDF: 4056.5/22

All: 33.679+/-0.077 χ^2/NDF: 8619.7/46

- 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: 23.574+/-0.123 χ^2/NDF:438.9/6

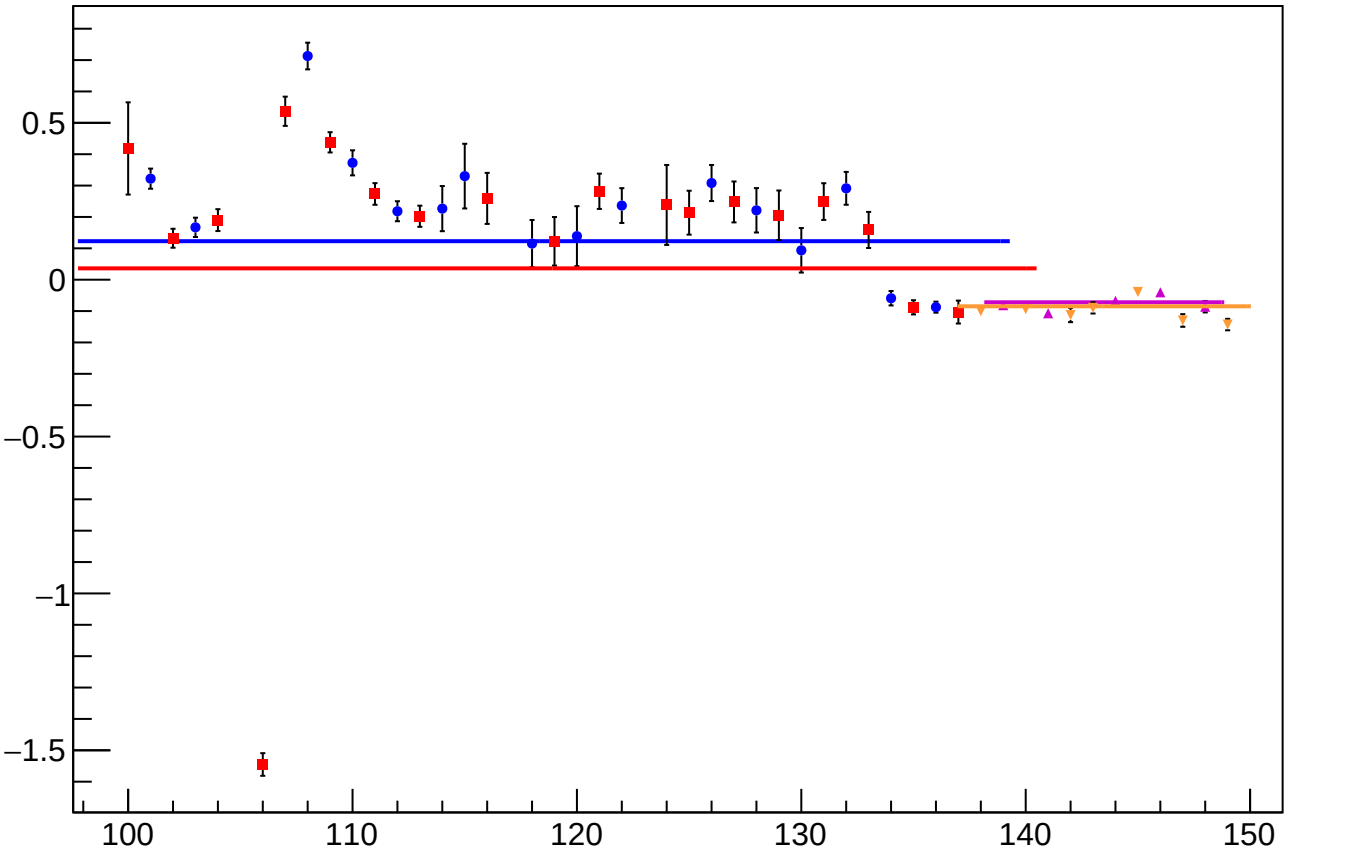
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.479+/-0.128 χ^2/NDF:369.1/4

+ sign 20.661+/-0.100 χ^2/NDF: 7820.4/22

All: 19.785+/-0.072 χ^2/NDF: 16772.0/46

- 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: -0.085+/-0.006 χ^2/NDF:38.8/6

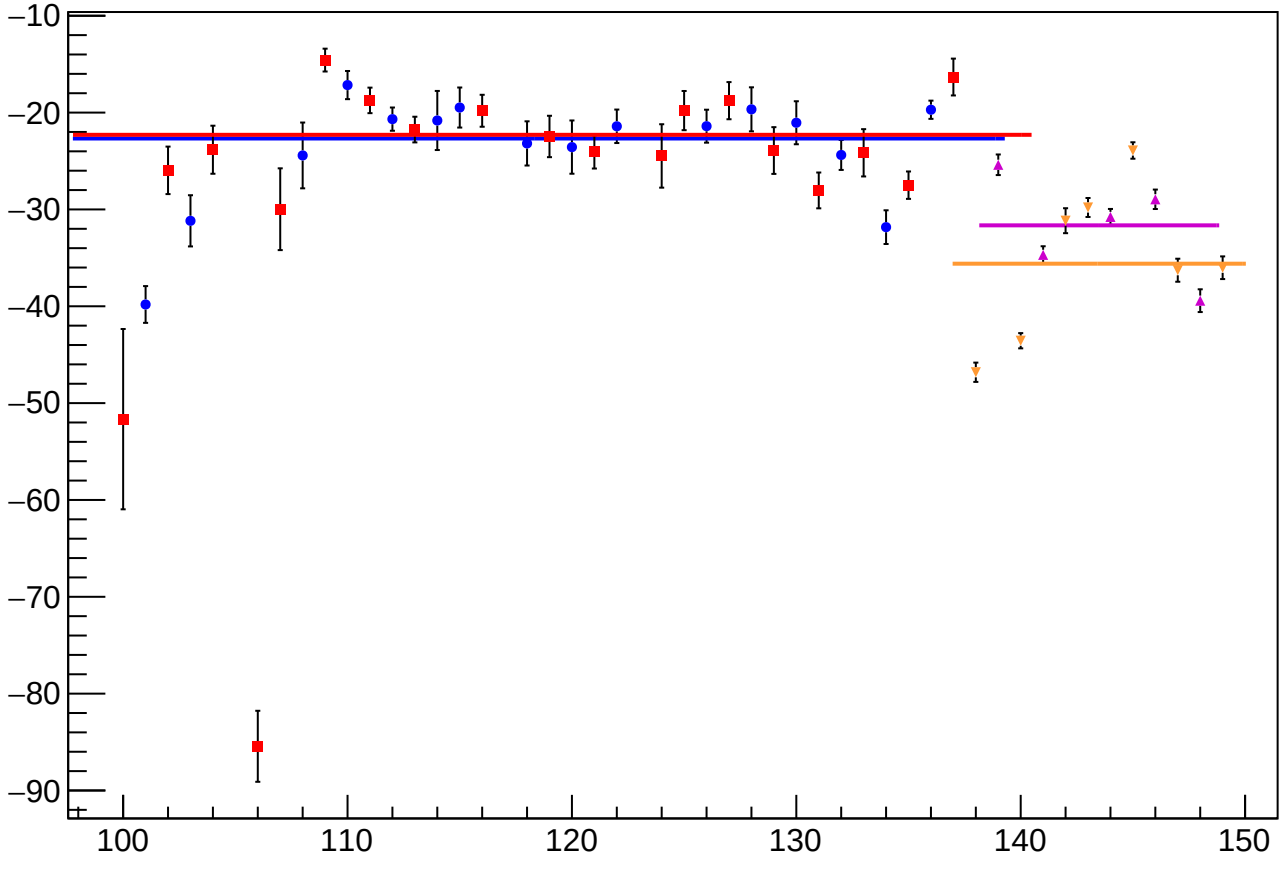
Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.072+/-0.006 χ^2/NDF:12.8/4

+ sign -0.027+/-0.005 χ^2/NDF: 908.8/22

All: -0.033+/-0.004 χ^2/NDF: 3426.0/46

- 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: -35.603+/-0.376 χ^2/NDF:465.8/6

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

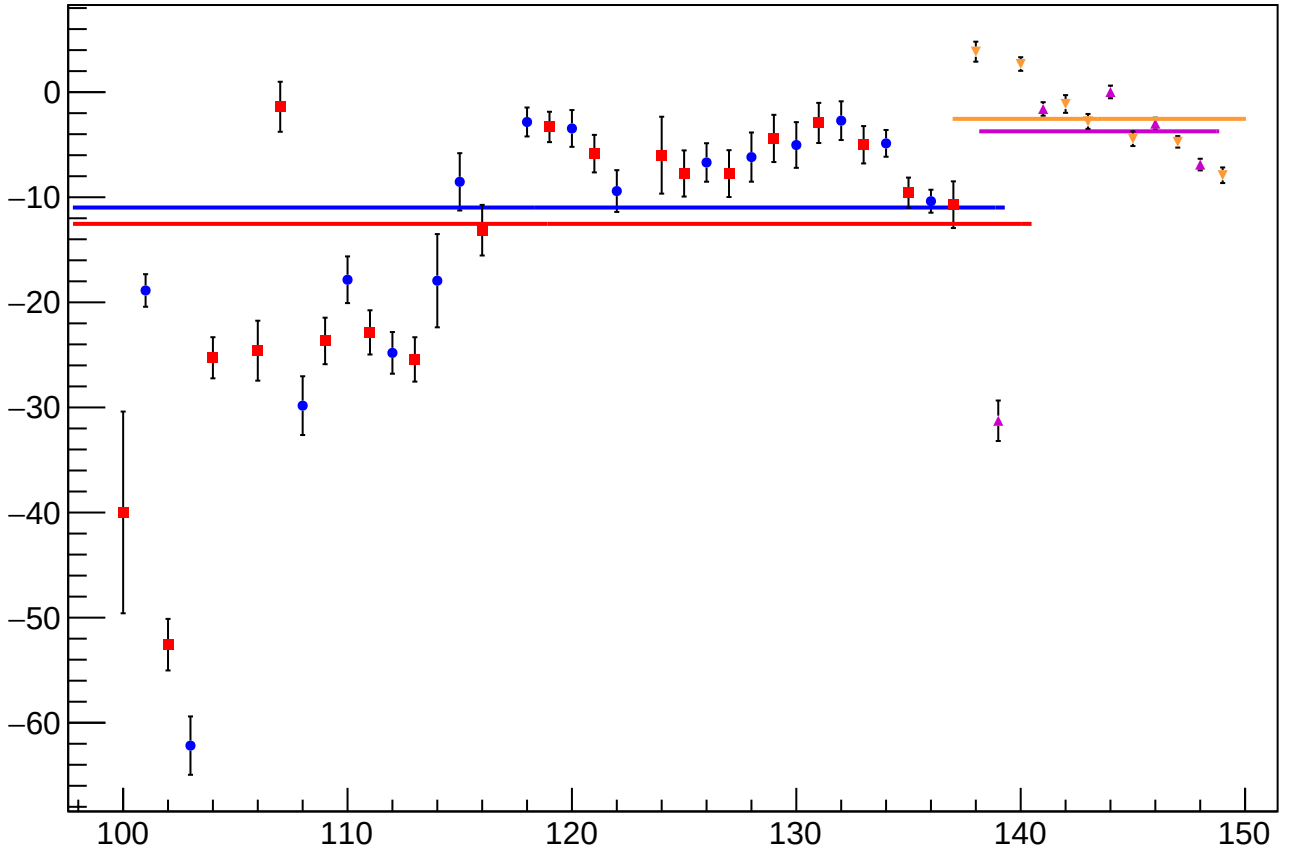
Left In: -31.643+/-0.432 χ^2/NDF:98.5/4

+ sign -30.075+/-0.284 χ^2/NDF: 1126.9/22

All: -28.656+/-0.208 χ^2/NDF: 1917.4/46

- 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: -2.541+/-0.266 χ^2/NDF:188.4/6

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

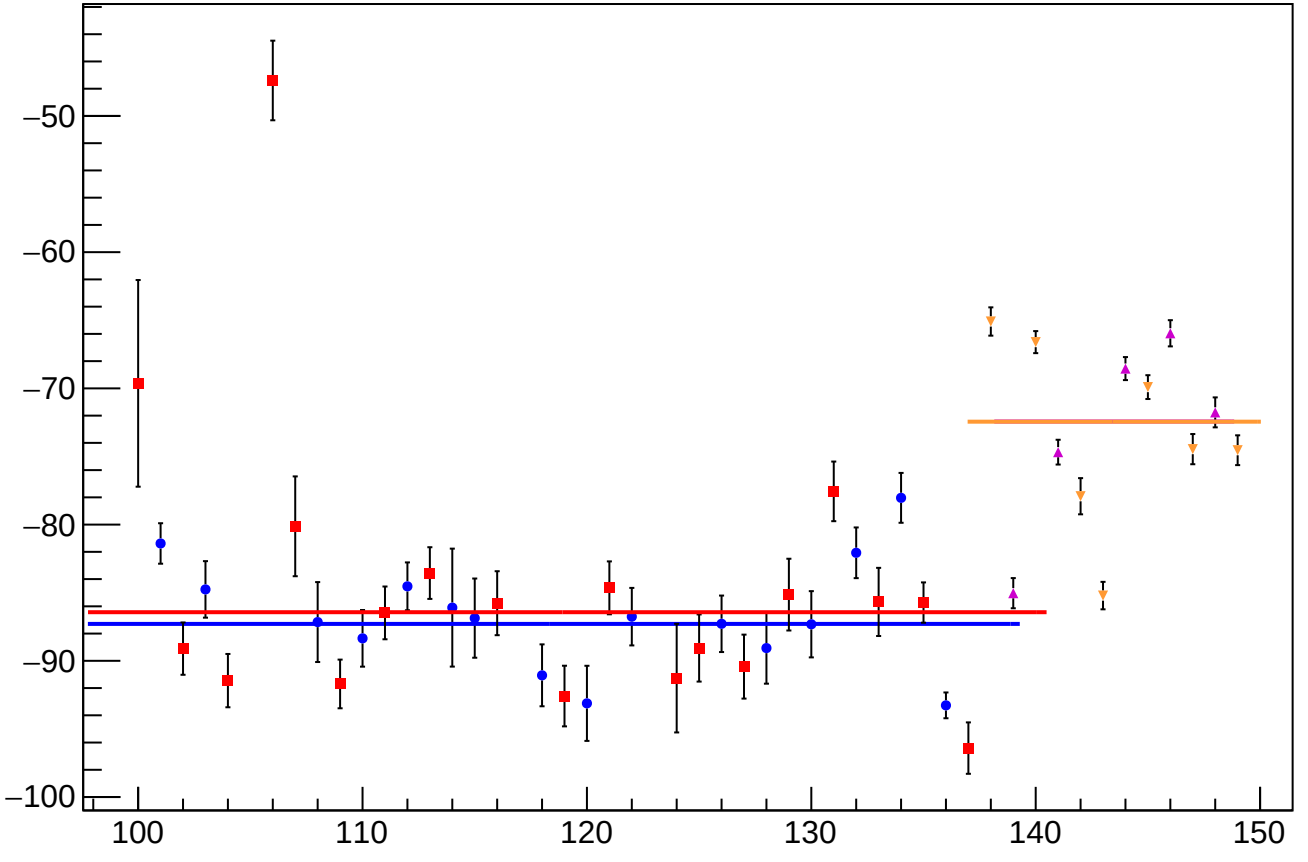
Left In: -3.728+/-0.291 χ^2/NDF:288.0/4

\+ sign -4.703+/-0.229 χ^2/NDF: 1033.3/22

All: -5.339+/-0.169 χ^2/NDF: 2155.5/46

\- sign -6.089+/-0.249 χ^2/NDF: 1105.5/23

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -72.444+/-0.379 χ^2/NDF:295.0/6

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

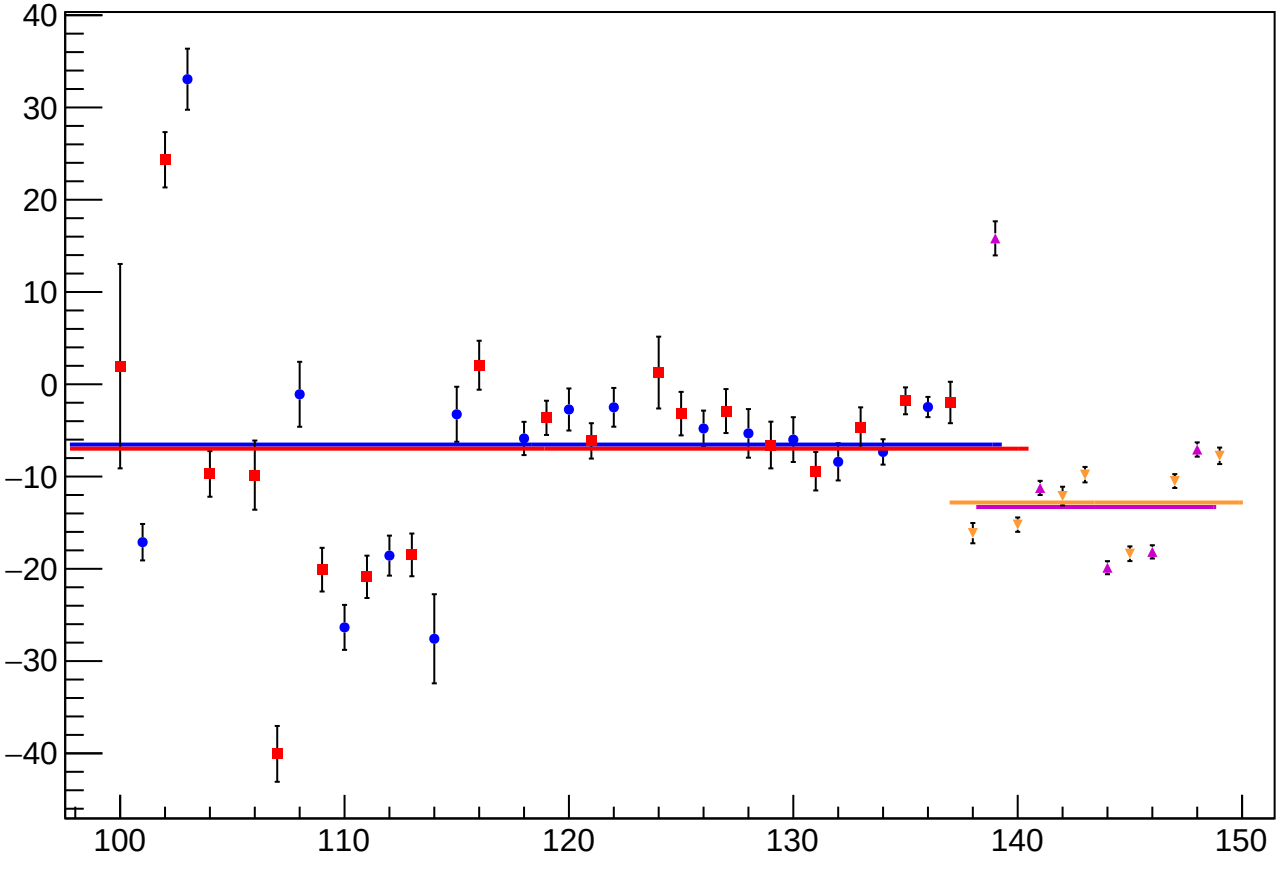
Left In: -72.432+/-0.433 χ^2/NDF:202.5/4

+ sign -78.137+/-0.298 χ^2/NDF: 984.6/22

All: -78.234+/-0.221 χ^2/NDF: 1894.0/46

- 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: -12.811+/-0.325 χ^2/NDF:122.1/6

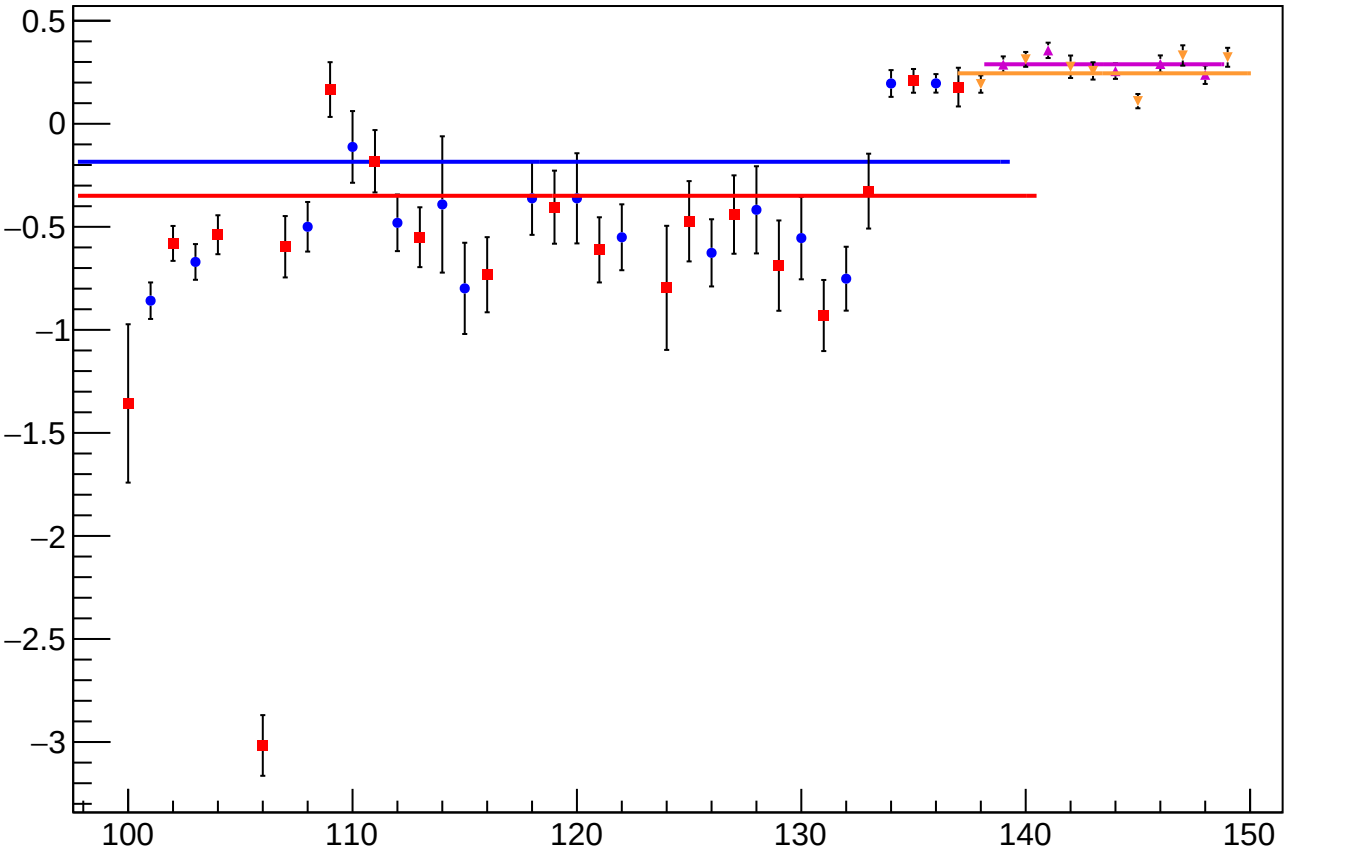
Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -13.301+/-0.363 χ^2/NDF:452.1/4

+ sign -10.989+/-0.274 χ^2/NDF: 544.4/22

All: -11.147+/-0.203 χ^2/NDF: 1459.5/46

- sign -11.339+/-0.302 χ^2/NDF: 914.4/23



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.245+/-0.016 χ^2/NDF:26.6/6

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

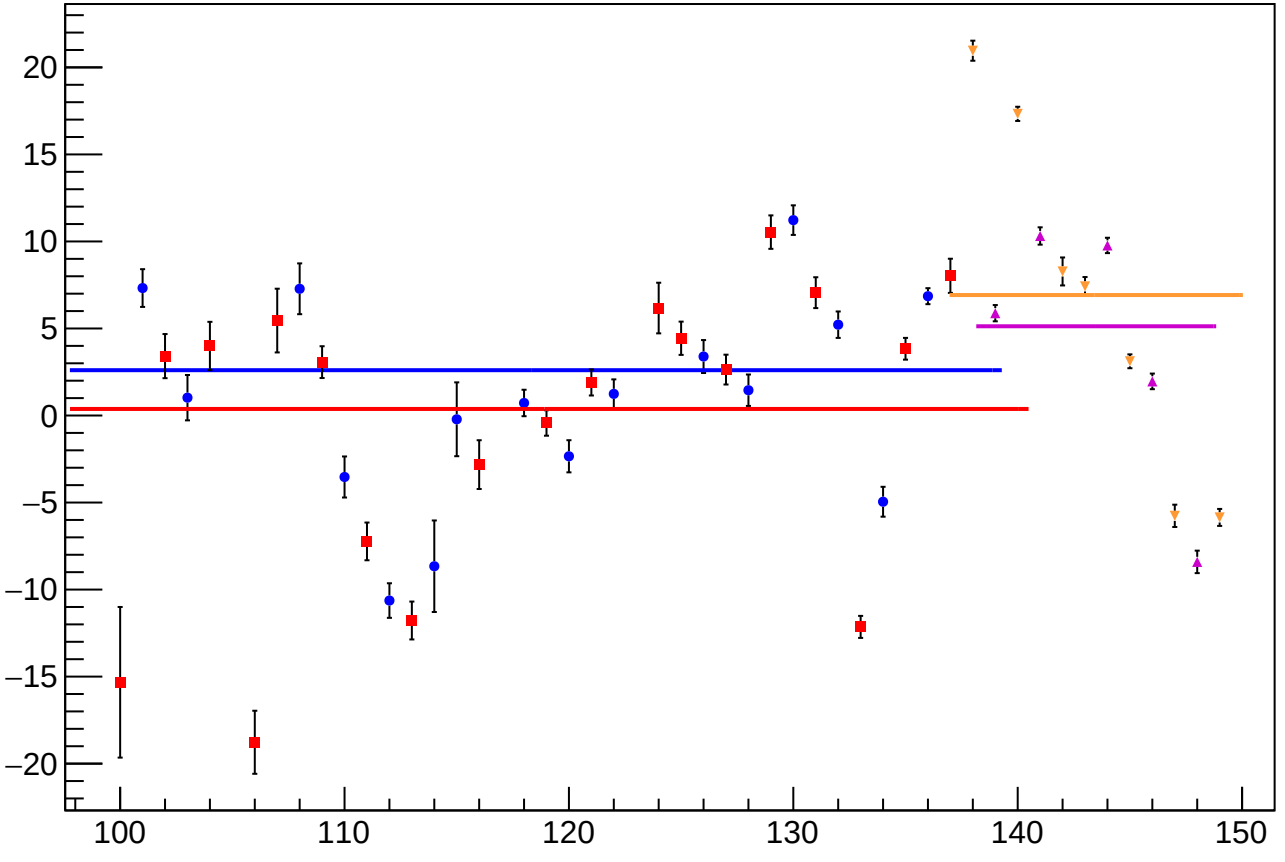
Left In: 0.289+/-0.018 χ^2/NDF:5.4/4

\+ sign 0.133+/-0.014 χ^2/NDF: 464.1/22

All: 0.126+/-0.010 χ^2/NDF: 1332.4/46

\- sign 0.116+/-0.015 χ^2/NDF: 867.7/23

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 6.921+/-0.193 χ^2/NDF:2413.9/6

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

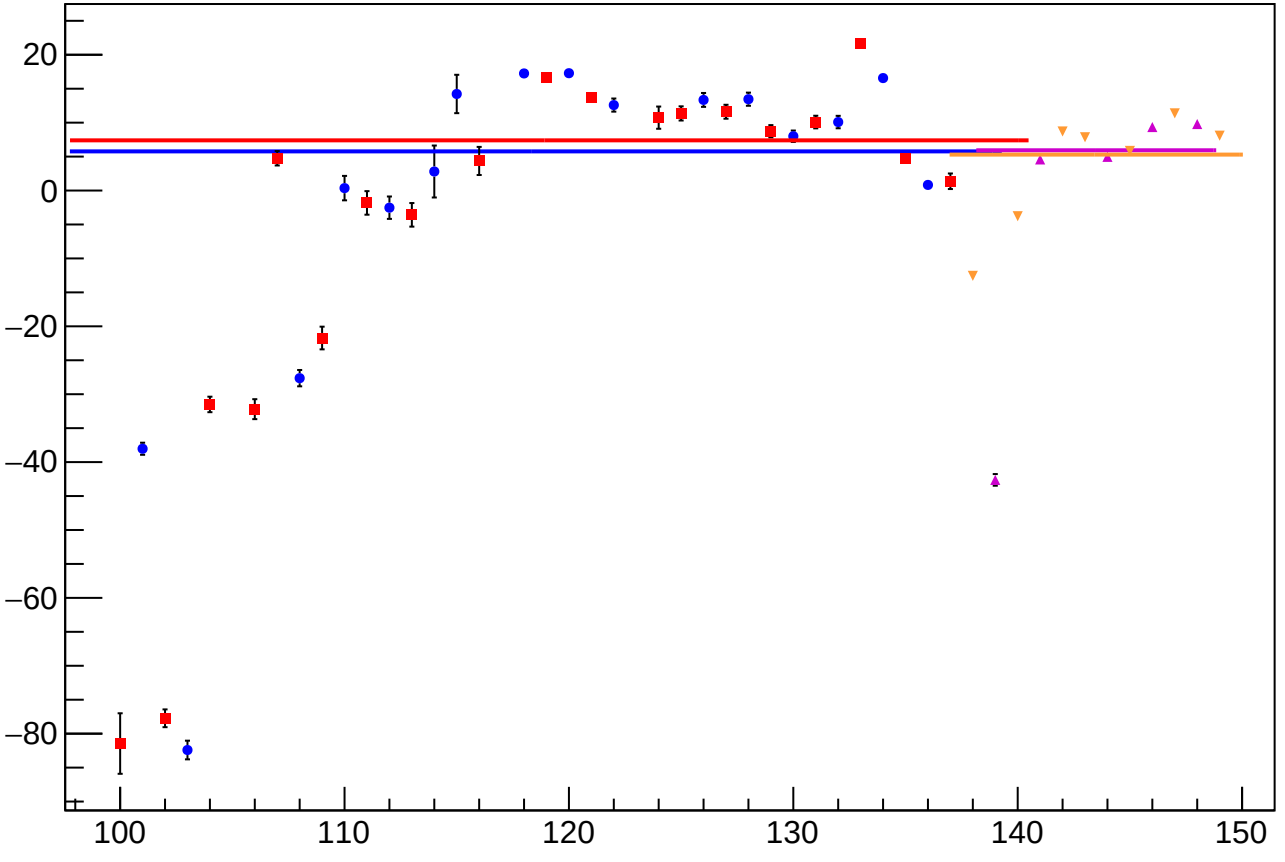
Left In: 5.127+/-0.218 χ^2/NDF:711.5/4

+ sign 5.087+/-0.146 χ^2/NDF: 3200.5/22

All: 4.016+/-0.106 χ^2/NDF: 5290.9/46

- 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: 5.294+/-0.138 χ^2/NDF:2222.6/6

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

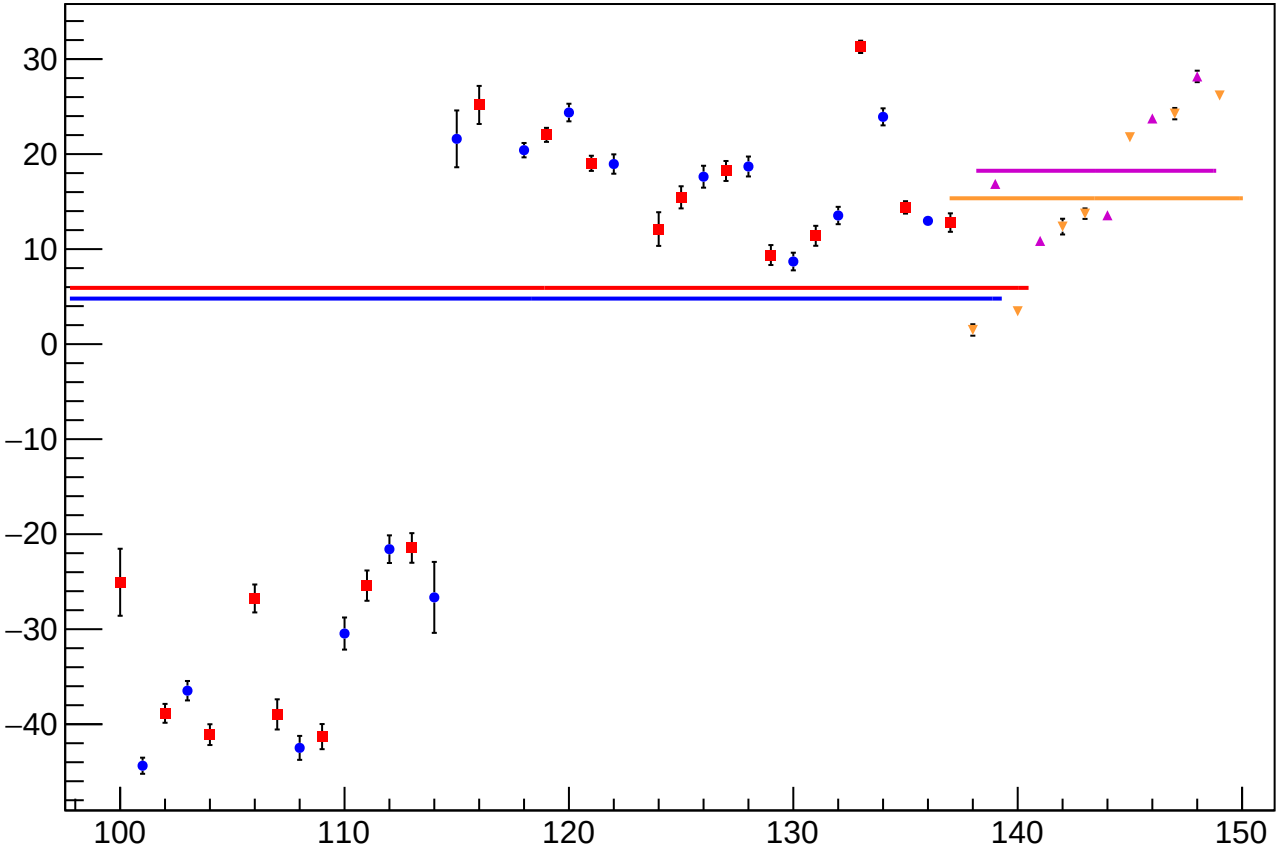
Left In: 5.930+/-0.155 χ^2/NDF:3529.0/4

+ sign 5.438+/-0.116 χ^2/NDF: 11159.9/22

All: 5.907+/-0.085 χ^2/NDF: 23146.6/46

- sign 6.450+/-0.124 χ^2/NDF: 11951.2/23

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 15.350+/-0.193 χ^2/NDF:2384.6/6

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

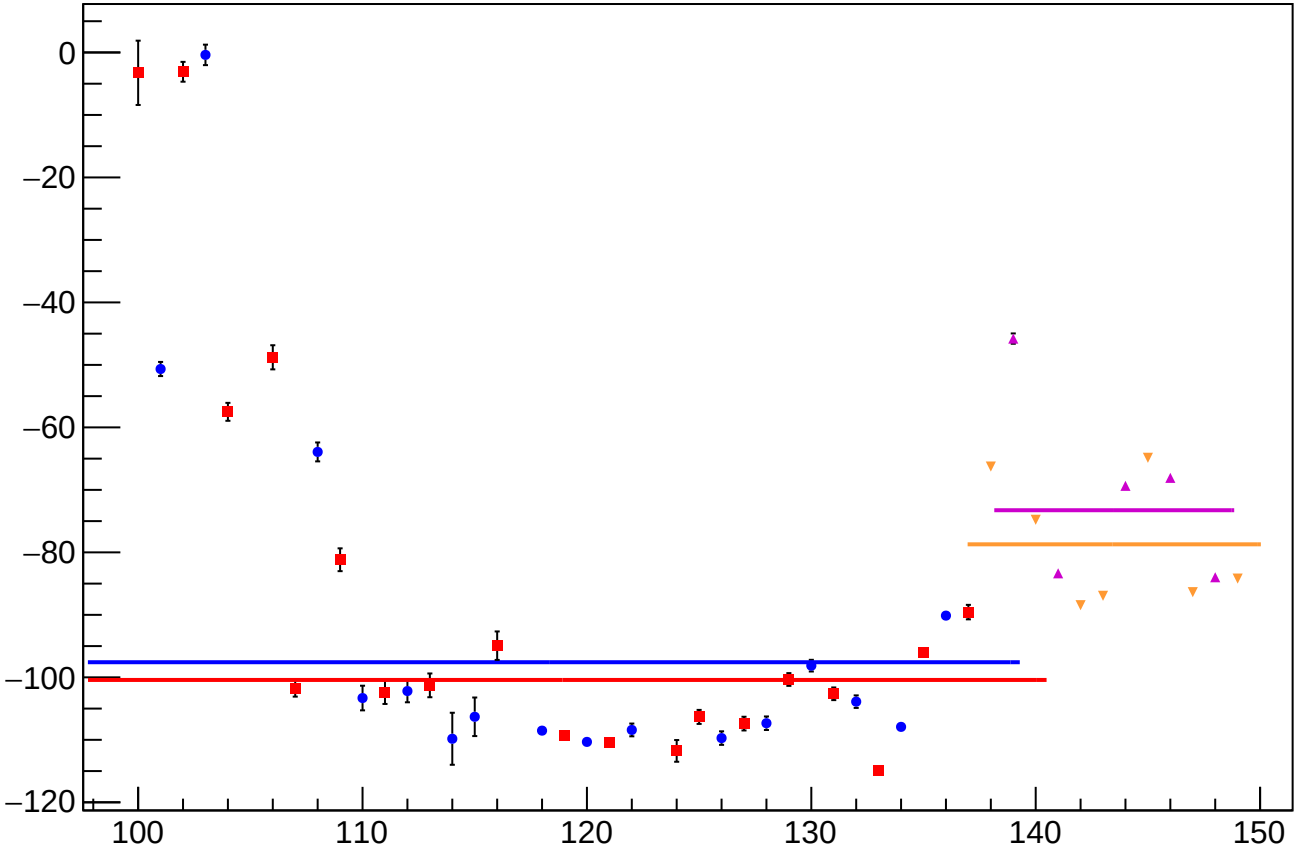
Left In: 18.245+/-0.218 χ^2/NDF:755.4/4

\+ sign 11.140+/-0.150 χ^2/NDF: 13070.0/22

All: 11.847+/-0.110 χ^2/NDF: 25377.5/46

\- sign 12.667+/-0.161 χ^2/NDF: 12259.4/23

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -78.714+/-0.168 χ^2/NDF:2911.2/6

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

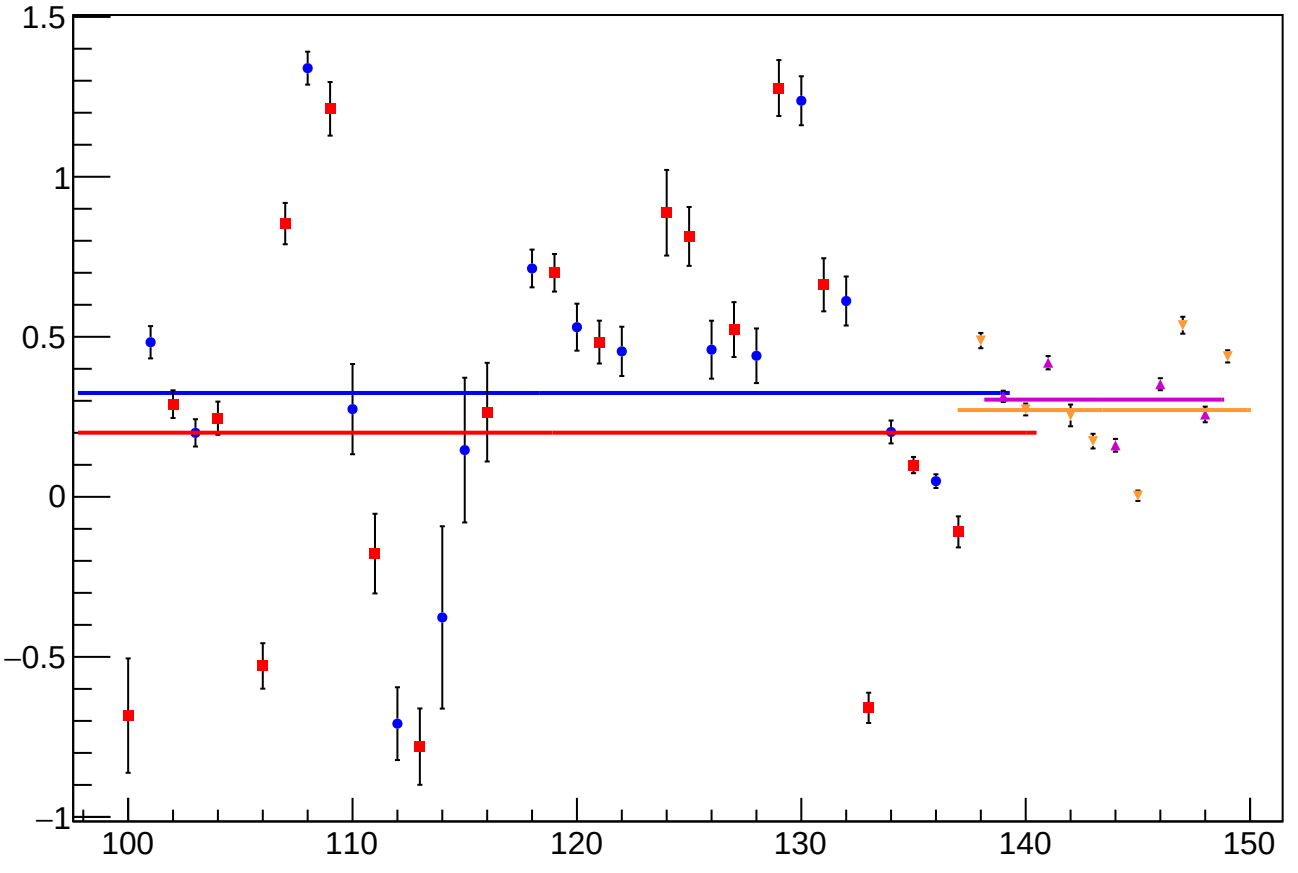
Left In: -73.257+/-0.190 χ^2/NDF:2612.6/4

+ sign -84.847+/-0.138 χ^2/NDF: 14168.6/22

All: -84.304+/-0.101 χ^2/NDF: 31765.4/46

- 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: 0.271+/-0.008 χ^2/NDF:551.4/6

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

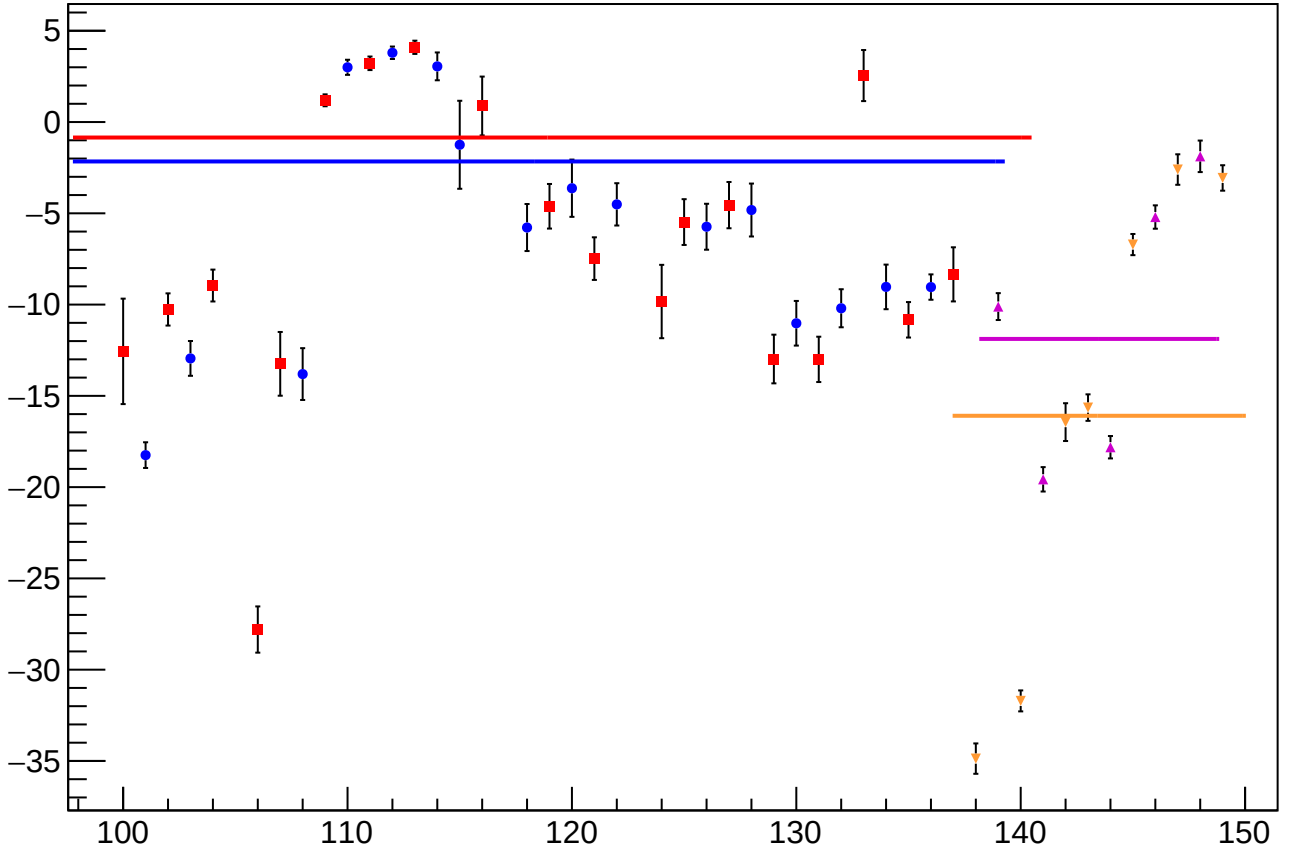
Left In: 0.304+/-0.009 χ^2/NDF:92.1/4

+ sign 0.285+/-0.007 χ^2/NDF: 1449.7/22

All: 0.280+/-0.005 χ^2/NDF: 2788.7/46

- 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: -16.091+/-0.269 χ^2/NDF:2121.3/6

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

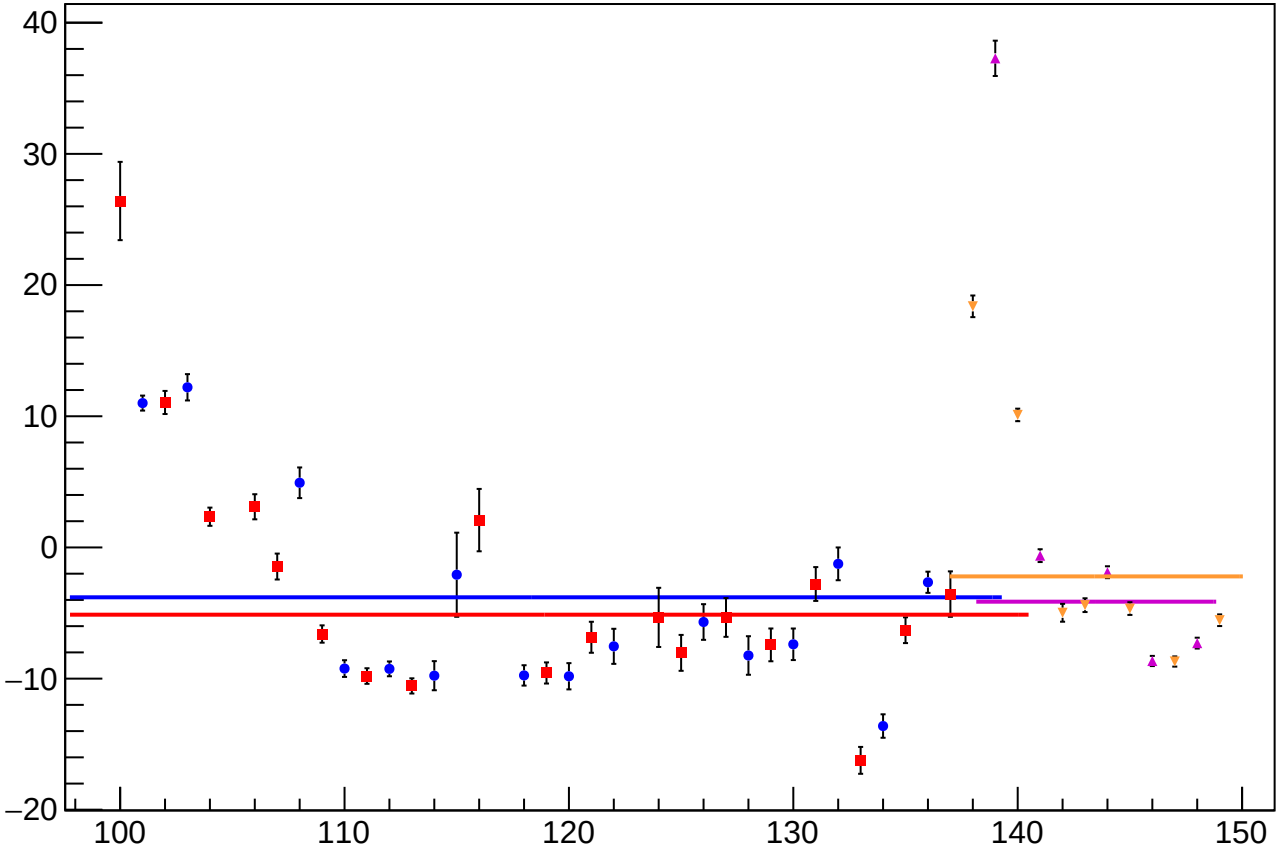
Left In: -11.881+/-0.308 χ^2/NDF:474.8/4

+ sign -6.849+/-0.156 χ^2/NDF: 5385.1/22

All: -5.059+/-0.108 χ^2/NDF: 8556.9/46

- 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: -2.208+/-0.190 χ^2/NDF:1680.9/6

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

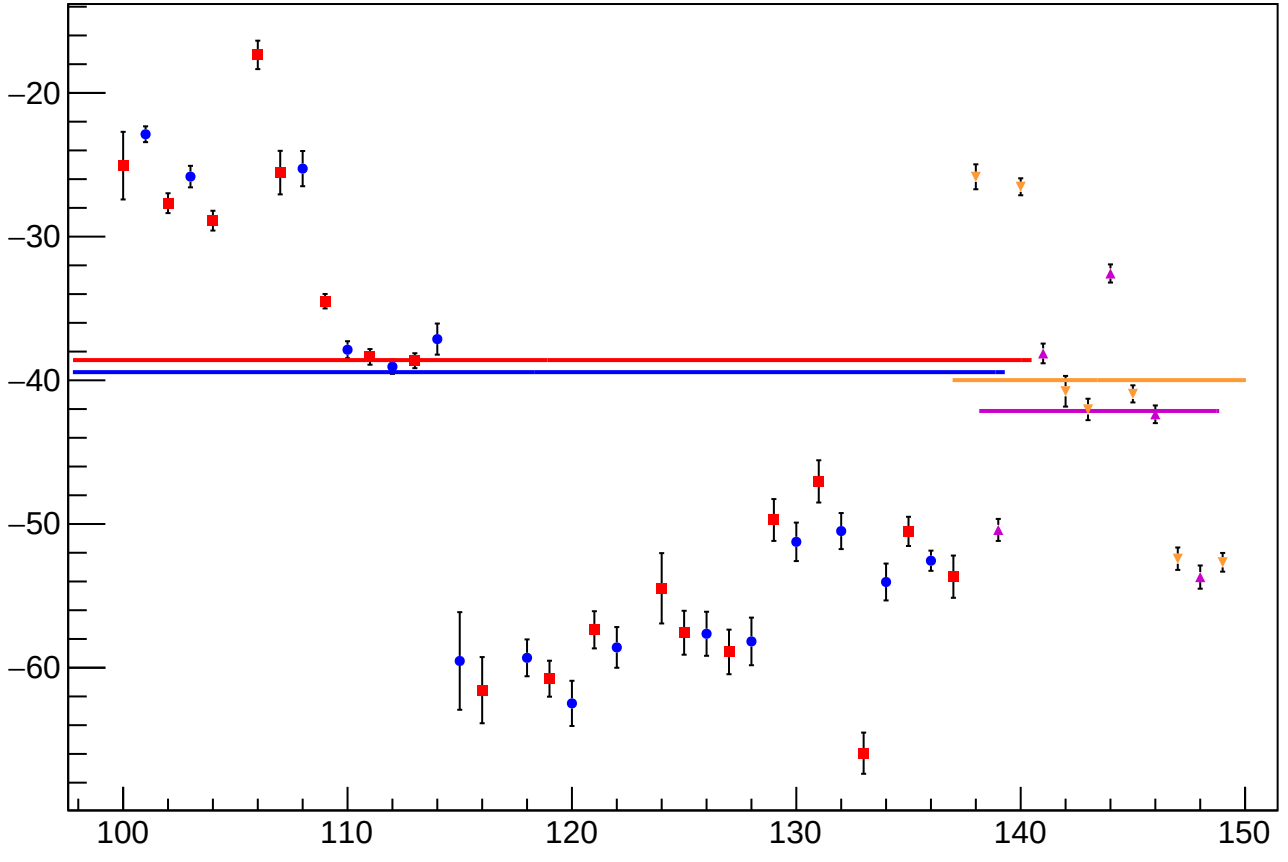
Left In: -4.135+/-0.213 χ^2/NDF:1216.9/4

+ sign -2.870+/-0.146 χ^2/NDF: 3135.5/22

All: -3.702+/-0.105 χ^2/NDF: 5412.1/46

- 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: -39.987+/-0.270 χ^2/NDF:1428.3/6

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

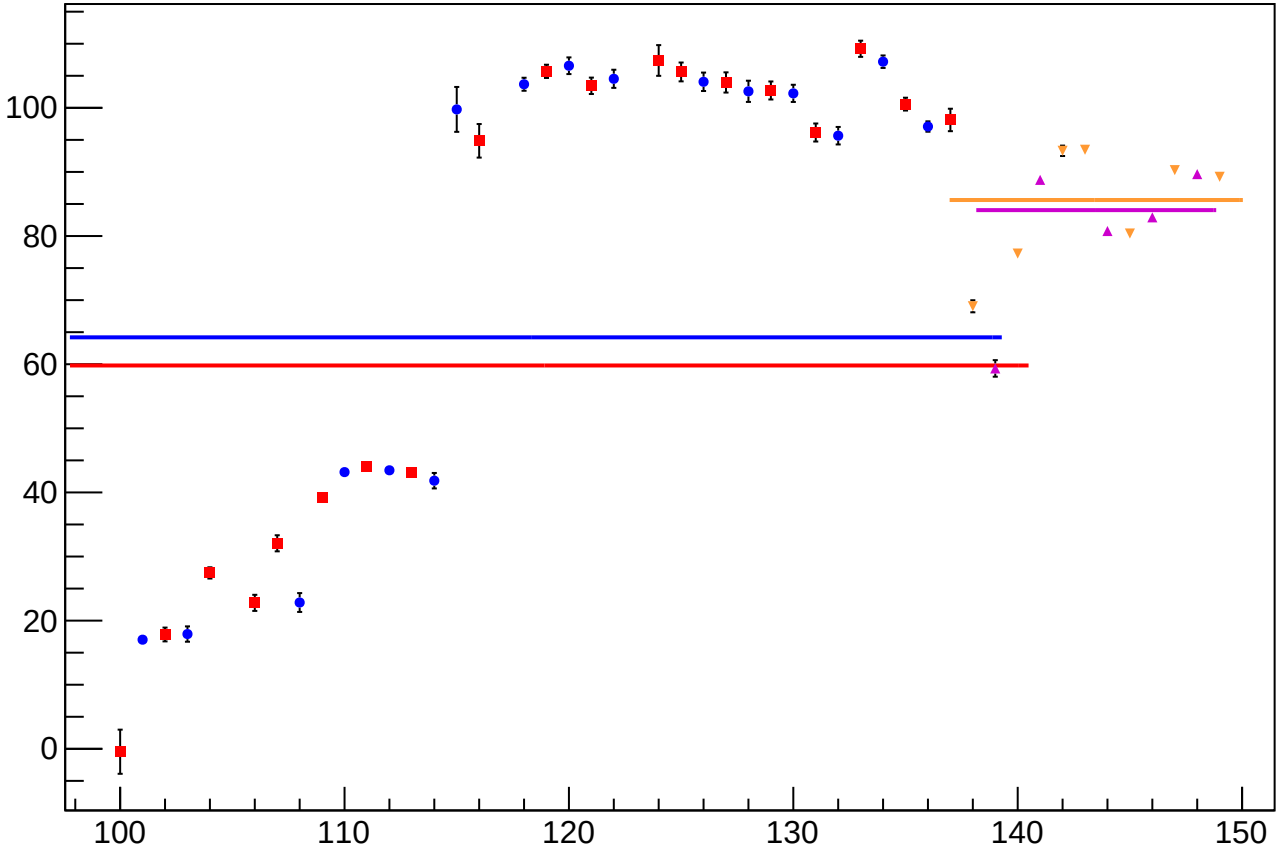
Left In: -42.133+/-0.309 χ^2/NDF:584.8/4

+ sign -39.659+/-0.173 χ^2/NDF: 4388.9/22

All: -39.695+/-0.123 χ^2/NDF: 7835.2/46

- 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: 85.619+/-0.232 χ^2/NDF:982.4/6

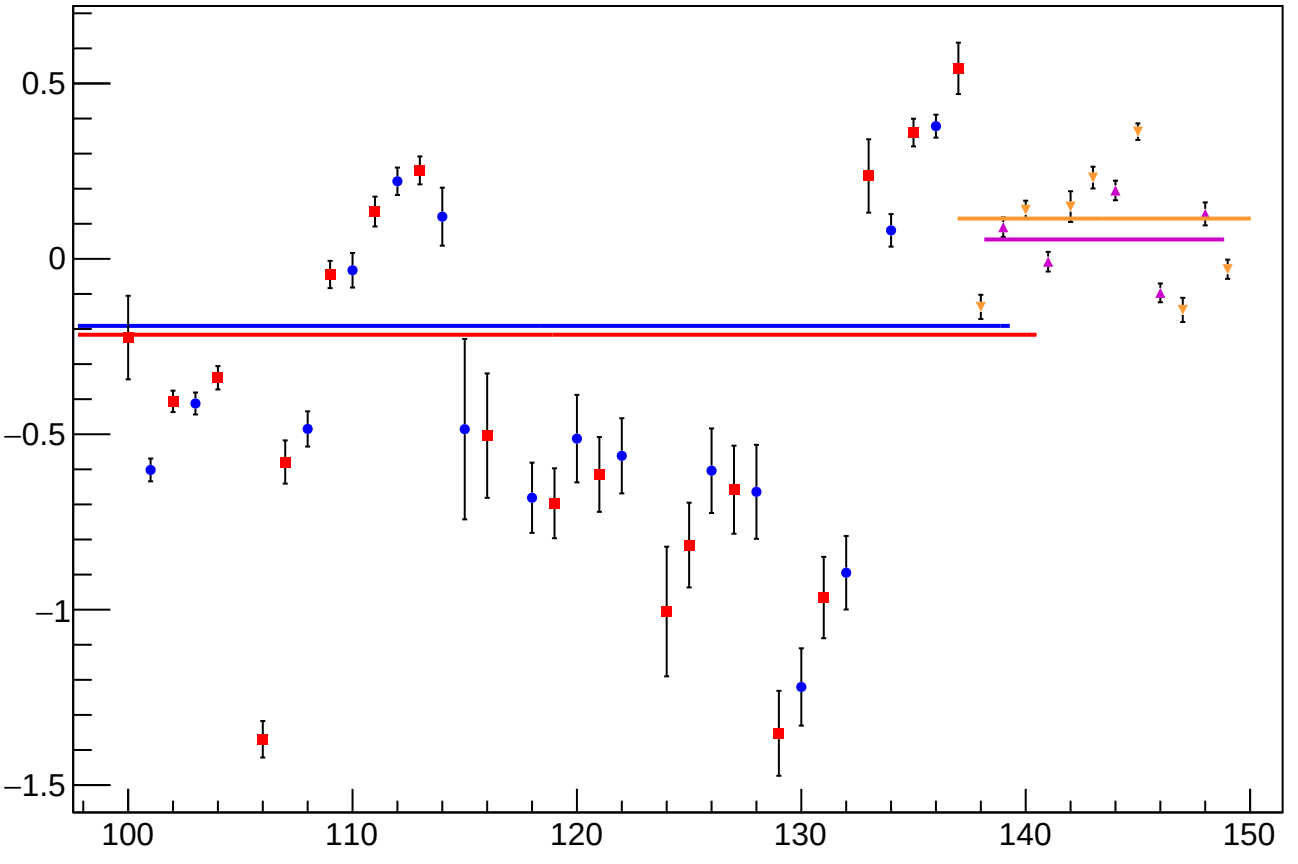
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 84.042+/-0.263 χ^2/NDF:571.0/4

+ sign 76.028+/-0.172 χ^2/NDF: 23401.8/22

All: 73.756+/-0.125 χ^2/NDF: 46255.7/46

- 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: 0.115+/-0.011 χ^2/NDF:264.2/6

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

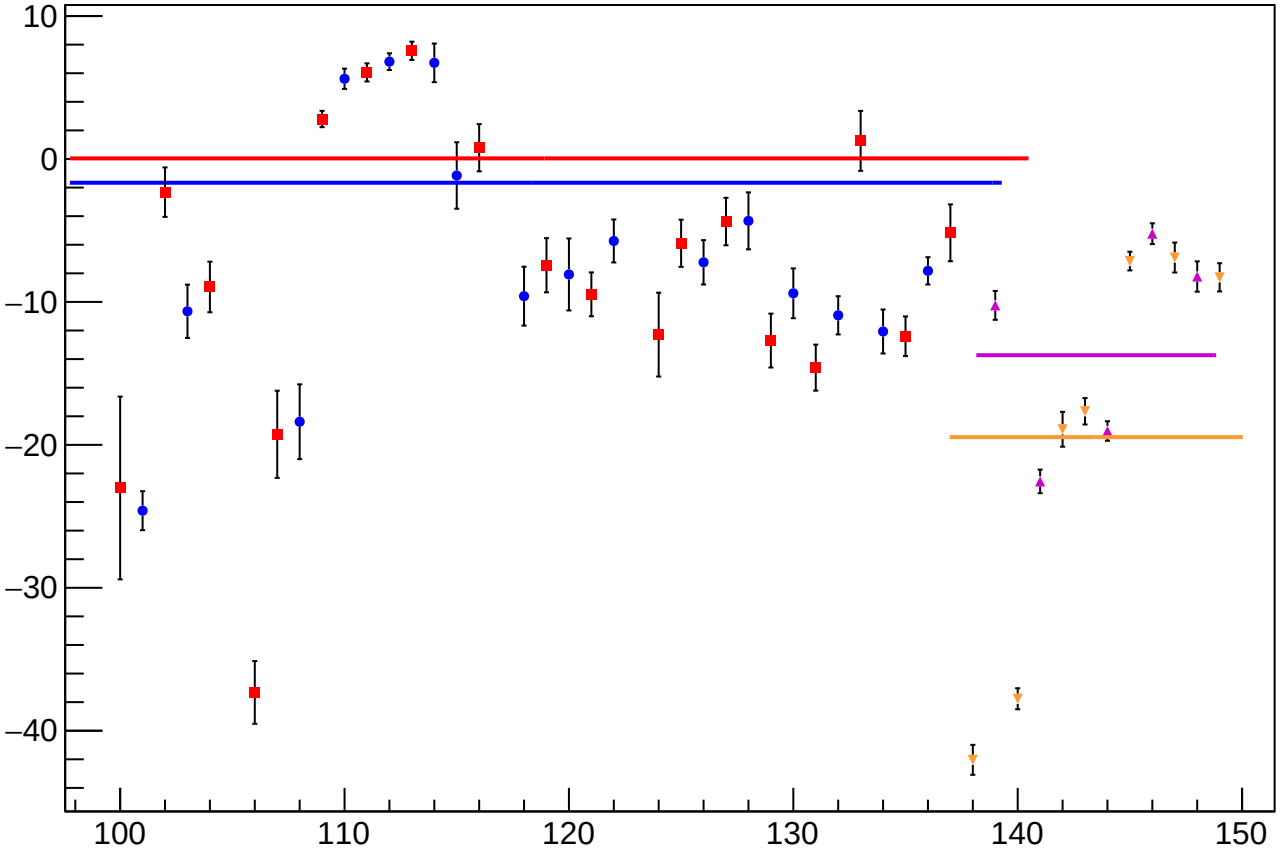
Left In: 0.055+/-0.013 χ^2/NDF:68.9/4

+ sign -0.012+/-0.009 χ^2/NDF: 1486.4/22

All: -0.043+/-0.006 χ^2/NDF: 3175.4/46

- 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: -19.458+/-0.336 χ^2/NDF:1714.9/6

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

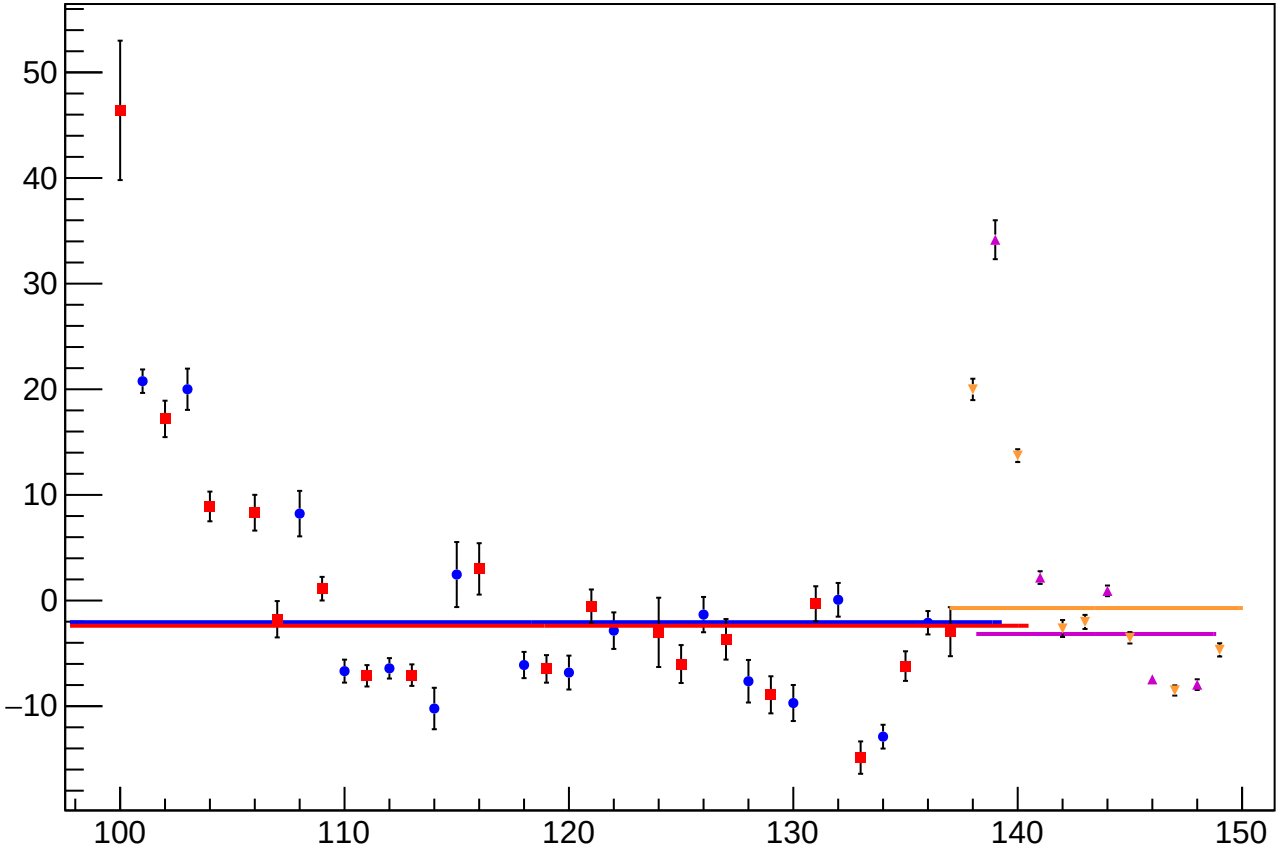
Left In: -13.727+/-0.368 χ^2/NDF:350.2/4

+ sign -9.802+/-0.227 χ^2/NDF: 4141.8/22

All: -7.390+/-0.159 χ^2/NDF: 6527.0/46

- 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: -0.711+/-0.237 χ^2/NDF:1320.2/6

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

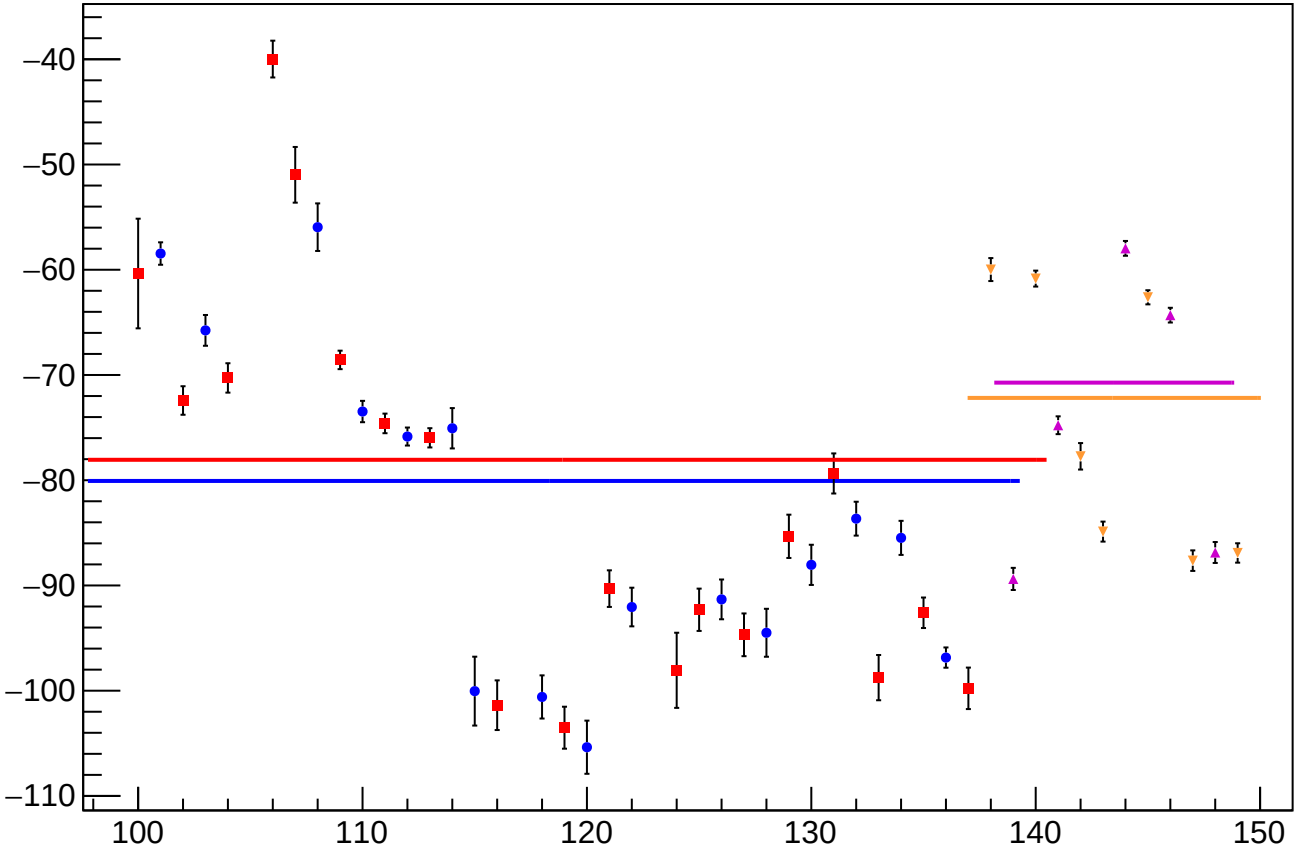
Left In: -3.165+/-0.248 χ^2/NDF:744.5/4

+ sign -1.122+/-0.197 χ^2/NDF: 2101.9/22

All: -1.991+/-0.142 χ^2/NDF: 3340.5/46

- 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: -72.178+/-0.338 χ^2/NDF:1256.4/6

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

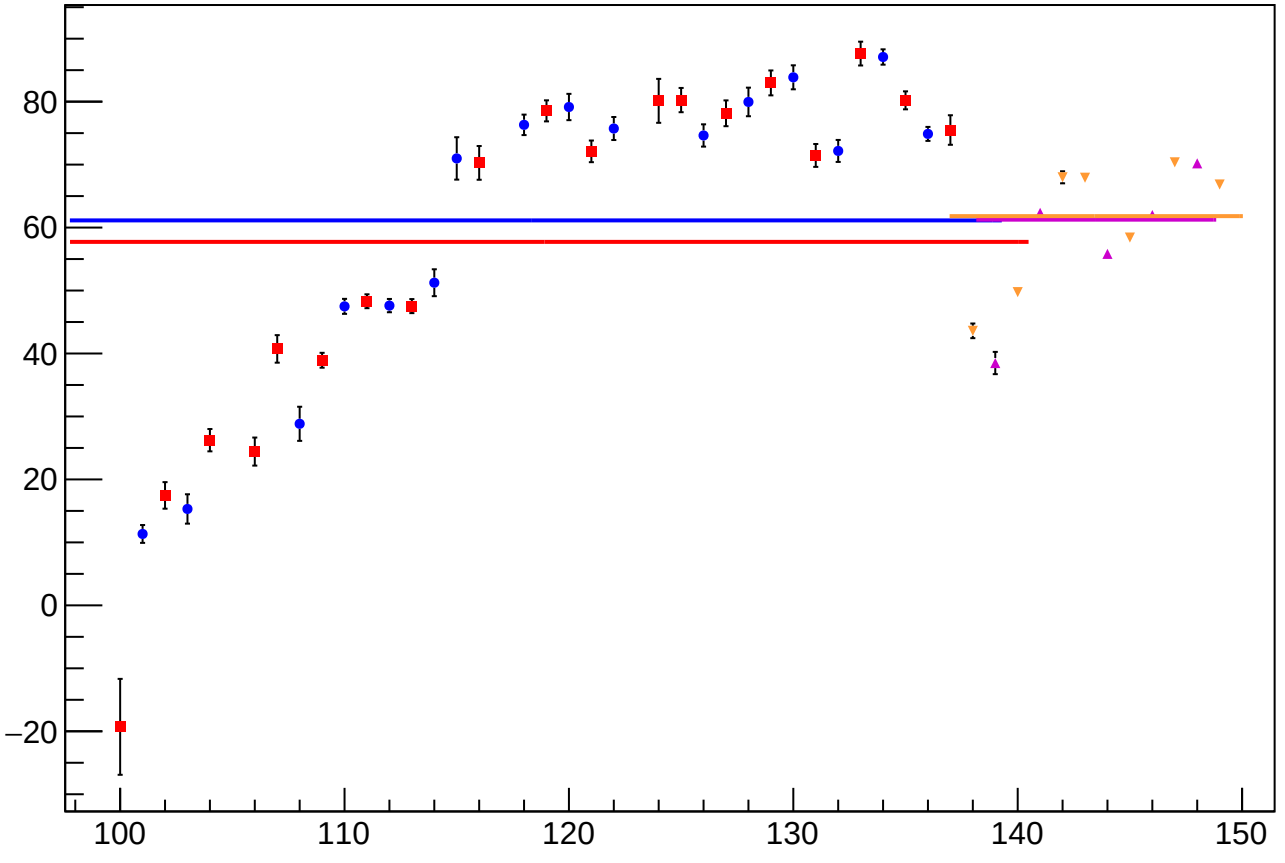
Left In: -70.727+/-0.368 χ^2/NDF:1013.5/4

+ sign -75.825+/-0.248 χ^2/NDF: 2895.8/22

All: -75.203+/-0.178 χ^2/NDF: 5689.8/46

- sign -74.543+/-0.255 χ^2/NDF: 2780.9/23

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 61.815+/-0.289 χ^2/NDF:860.3/6

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

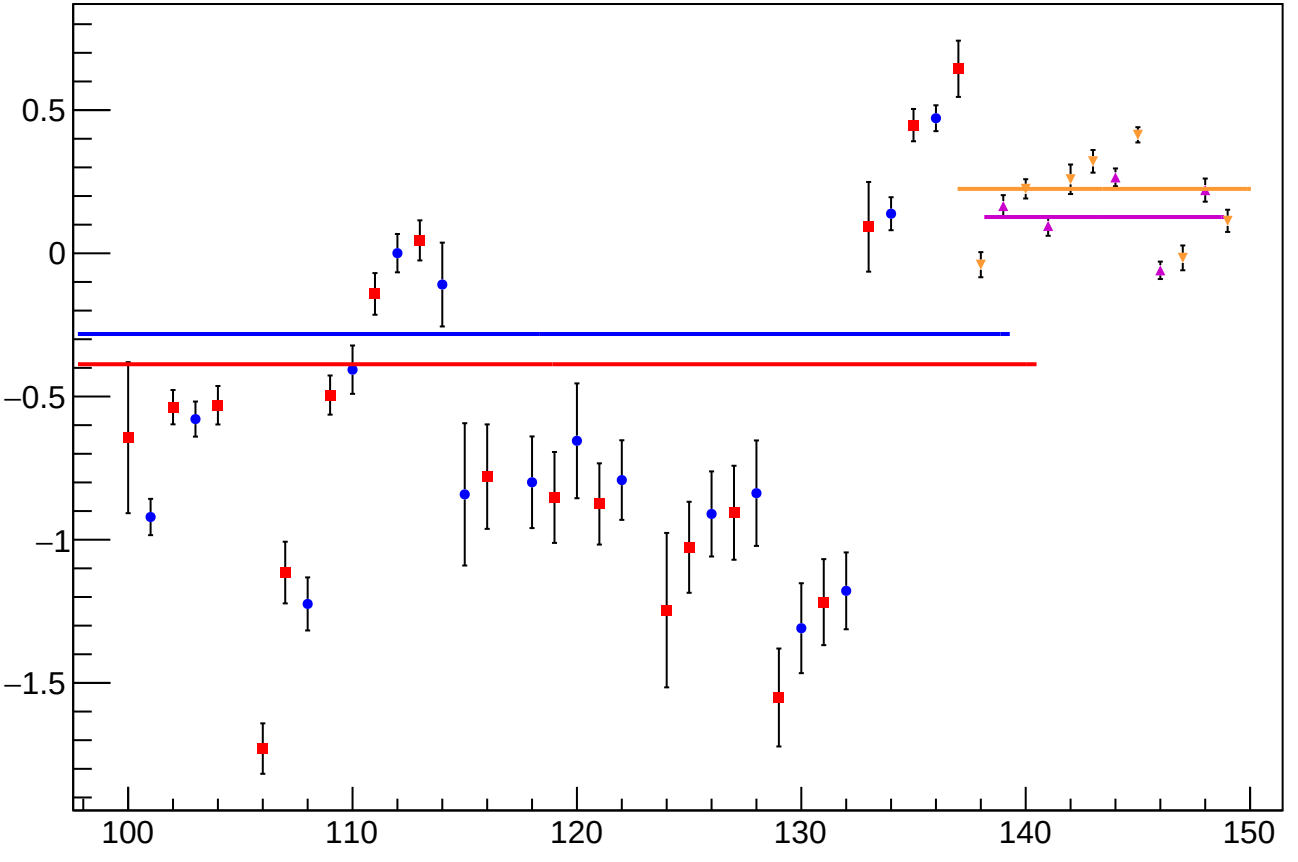
Left In: 61.257+/-0.307 χ^2/NDF:417.4/4

+ sign 61.584+/-0.234 χ^2/NDF: 4091.4/22

All: 60.798+/-0.169 χ^2/NDF: 7356.8/46

- 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: 0.225+/-0.014 χ^2/NDF:132.3/6

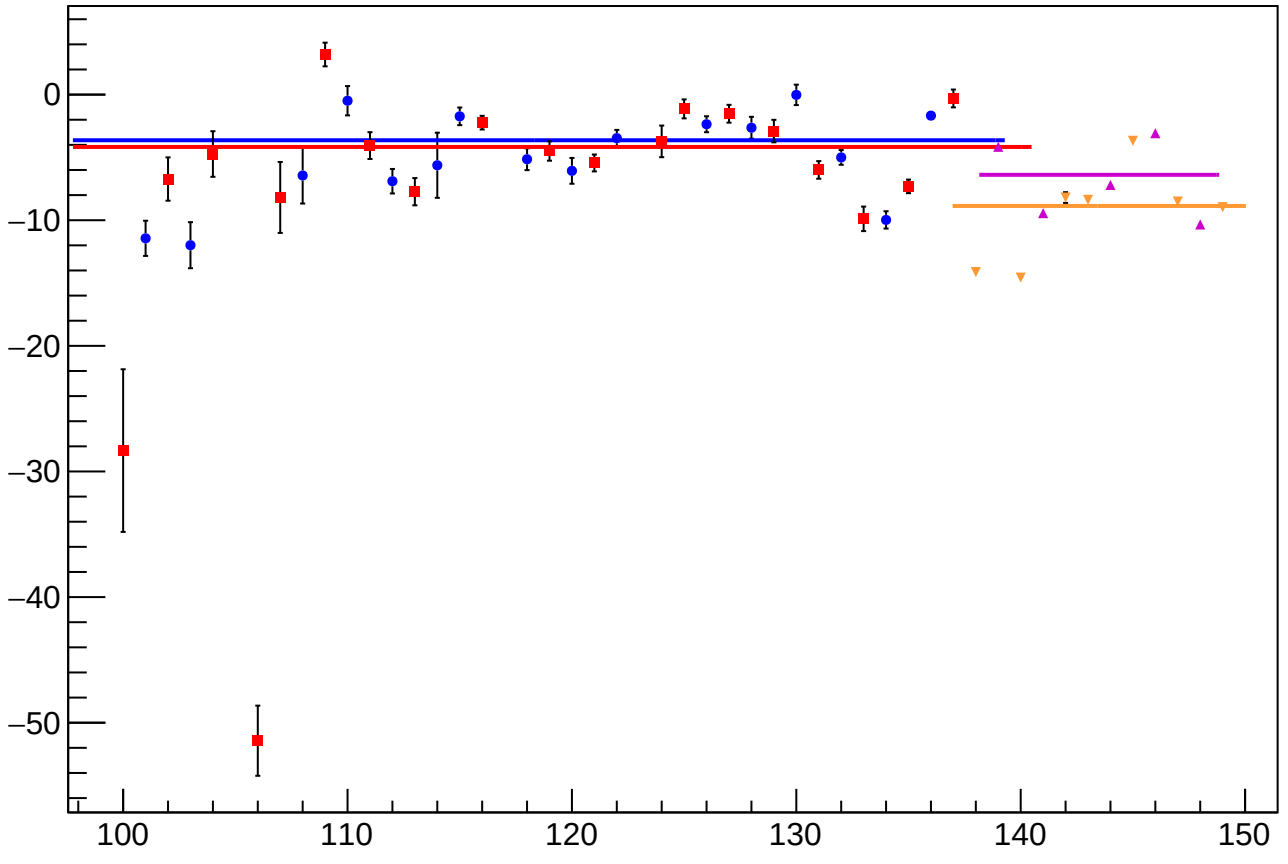
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.127+/-0.015 χ^2/NDF:64.5/4

+ sign 0.074+/-0.012 χ^2/NDF: 1245.6/22

All: 0.019+/-0.009 χ^2/NDF: 2543.9/46

- sign -0.042+/-0.013 χ^2/NDF: 1253.0/23



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.863+/-0.116 χ^2/NDF:1266.9/6

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

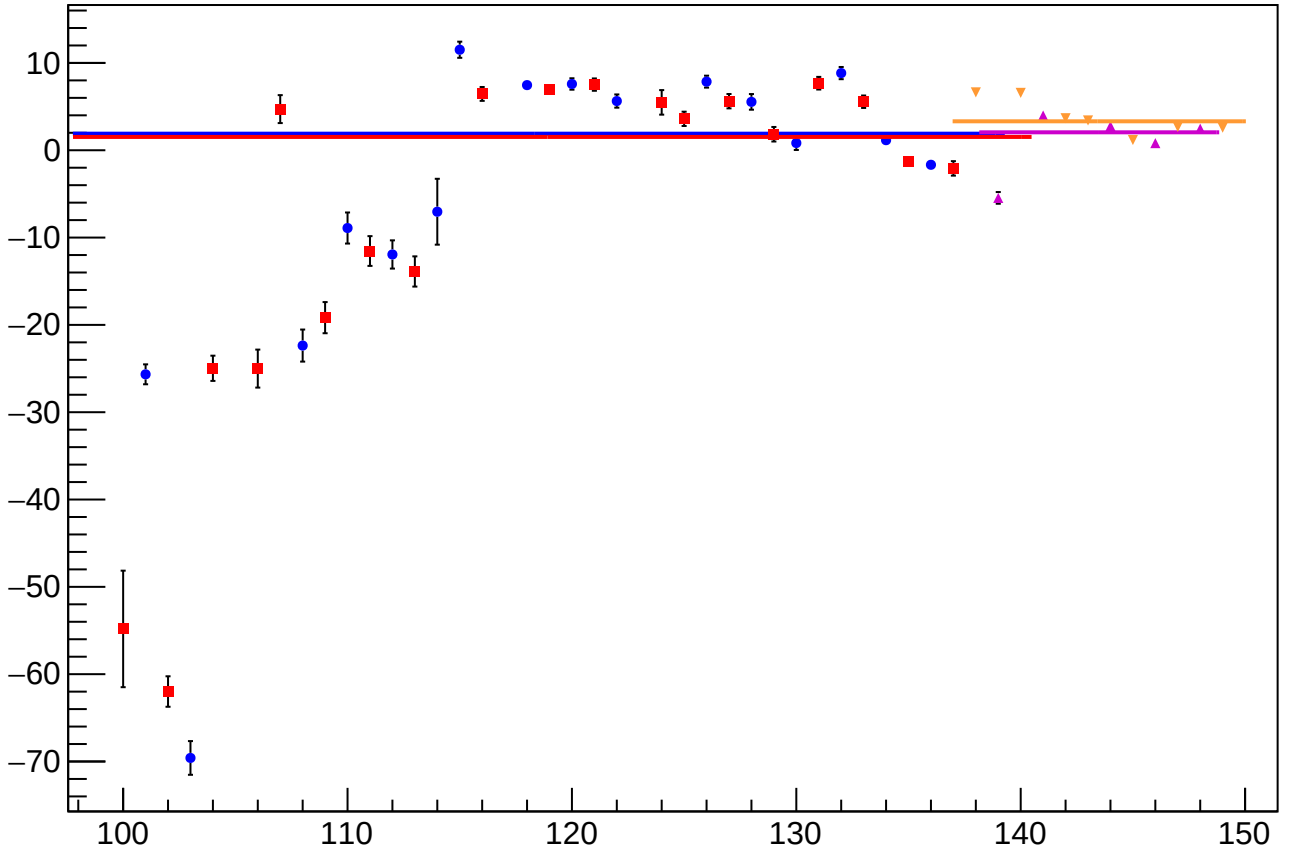
Left In: -6.385+/-0.125 χ^2/NDF:478.4/4

+ sign -7.429+/-0.099 χ^2/NDF: 2057.0/22

All: -6.650+/-0.072 χ^2/NDF: 3286.4/46

- 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: 3.315+/-0.083 χ^2/NDF:487.9/6

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

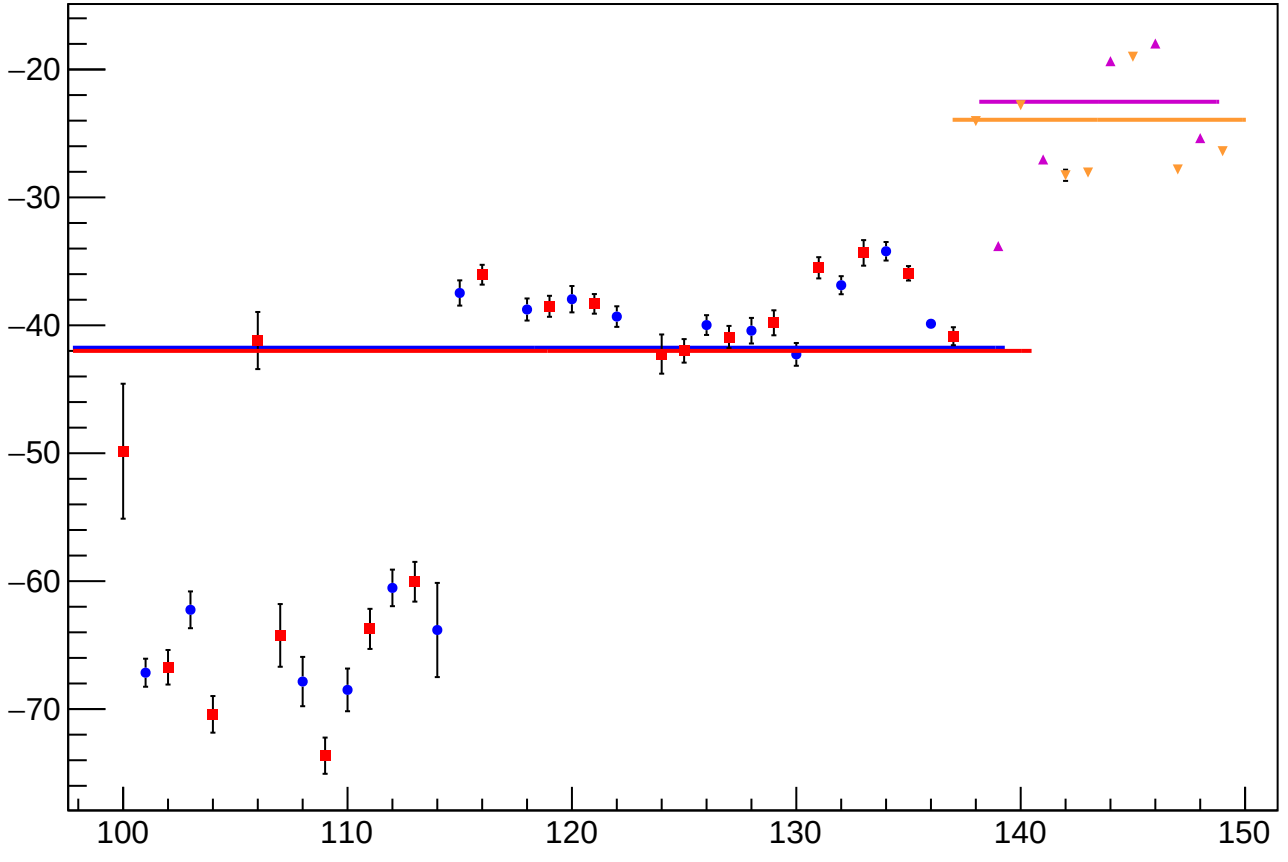
Left In: 2.054+/-0.083 χ^2/NDF:311.1/4

+ sign 3.087+/-0.076 χ^2/NDF: 3373.2/22

All: 2.545+/-0.054 χ^2/NDF: 6353.7/46

- 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: -23.932+/-0.117 χ^2/NDF:949.5/6

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

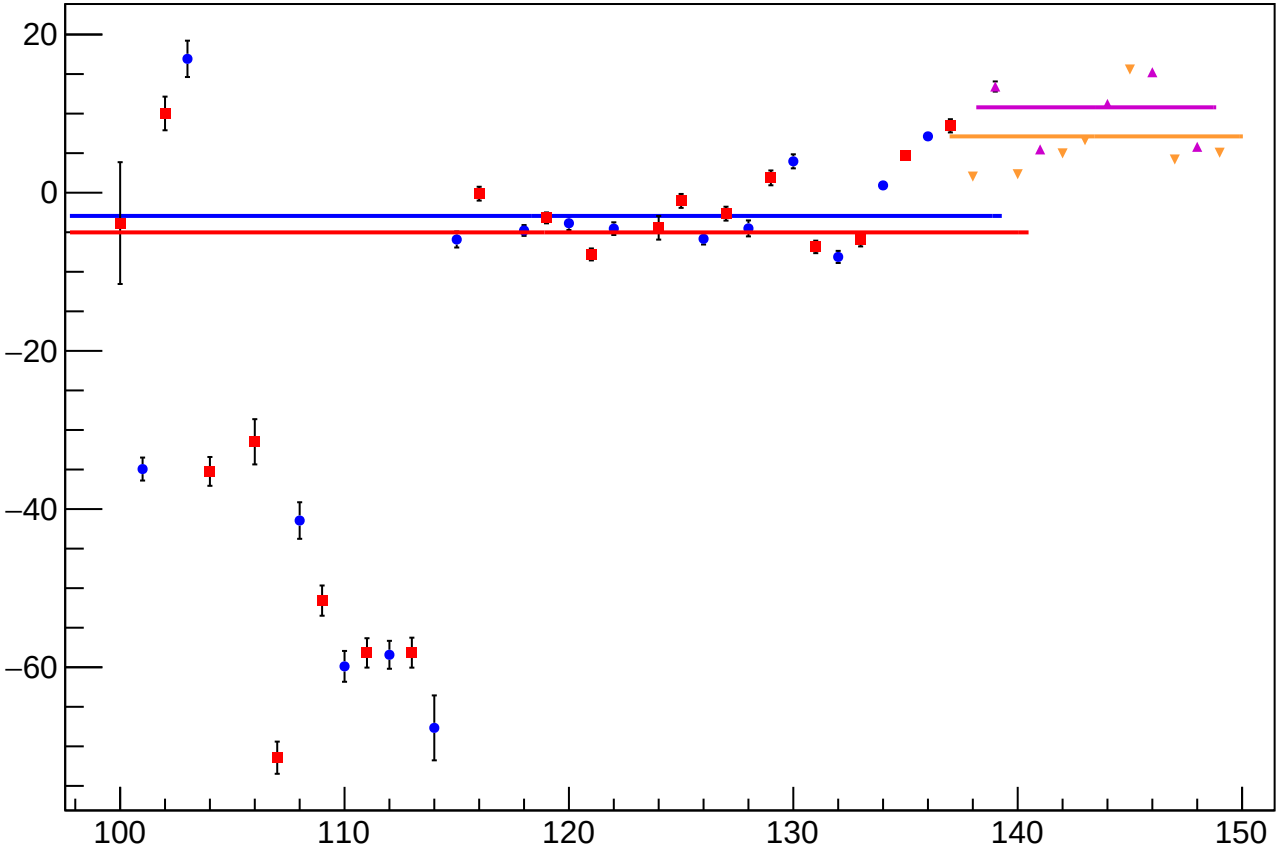
Left In: -22.524+/-0.125 χ^2/NDF:1759.0/4

+ sign -28.244+/-0.102 χ^2/NDF: 8166.6/22

All: -27.661+/-0.075 χ^2/NDF: 17589.0/46

- 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: 7.119+/-0.101 χ^2/NDF:2485.9/6

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

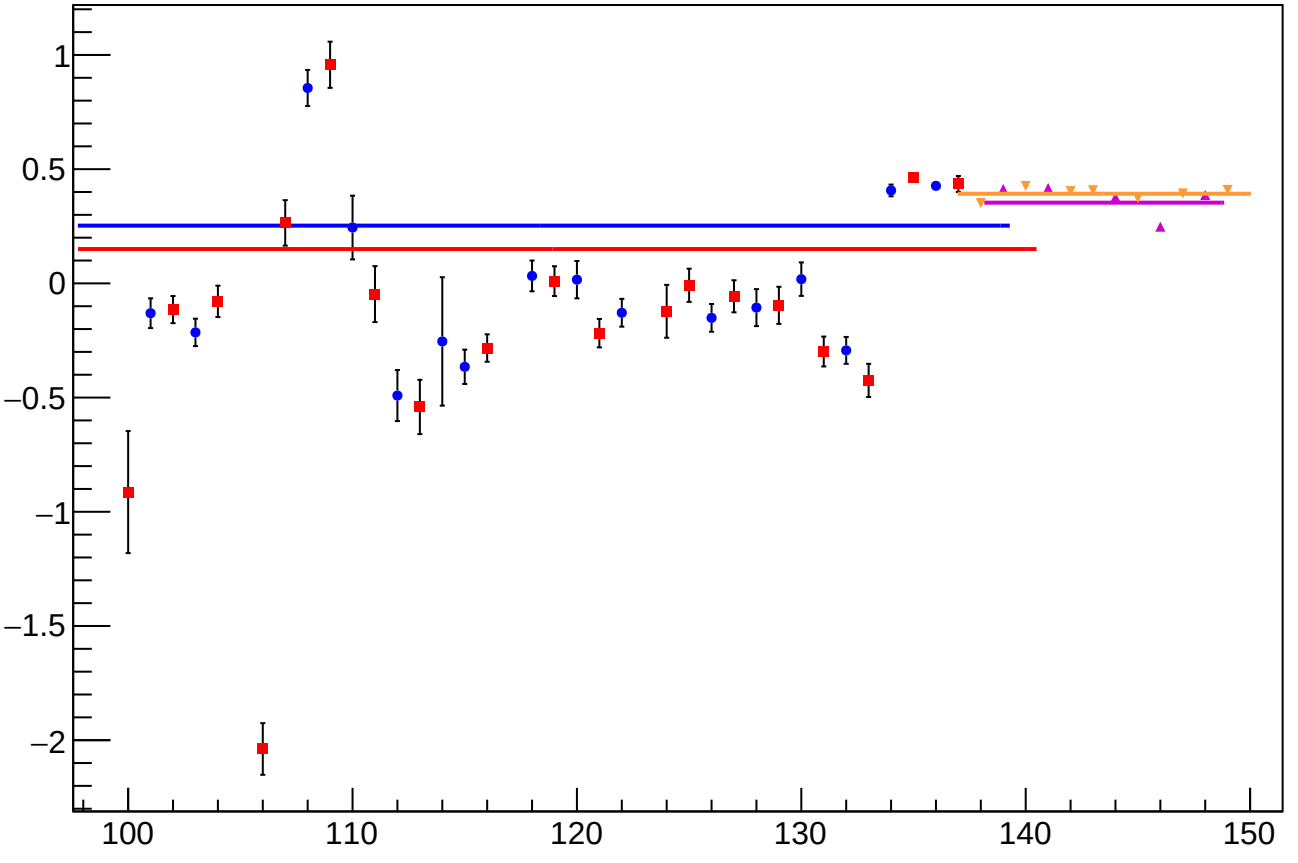
Left In: 10.795+/-0.103 χ^2/NDF:1535.1/4

+ sign 5.236+/-0.091 χ^2/NDF: 8080.9/22

All: 6.645+/-0.065 χ^2/NDF: 18377.0/46

- 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: 0.392+/-0.005 χ^2/NDF:23.0/6

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

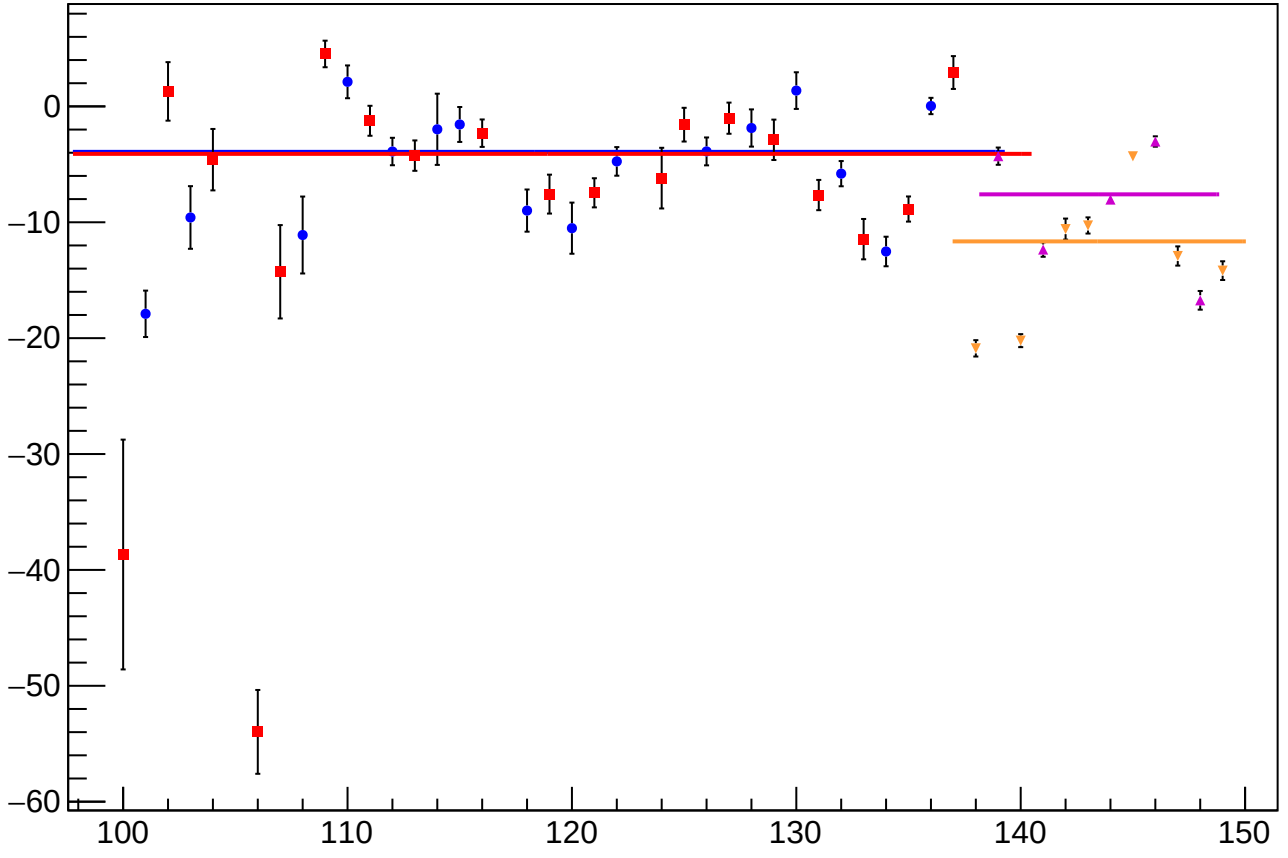
Left In: 0.353+/-0.005 χ^2/NDF:175.9/4

+ sign 0.371+/-0.004 χ^2/NDF: 779.3/22

All: 0.350+/-0.003 χ^2/NDF: 2219.0/46

- 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: -11.650+/-0.236 χ^2/NDF:768.8/6

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

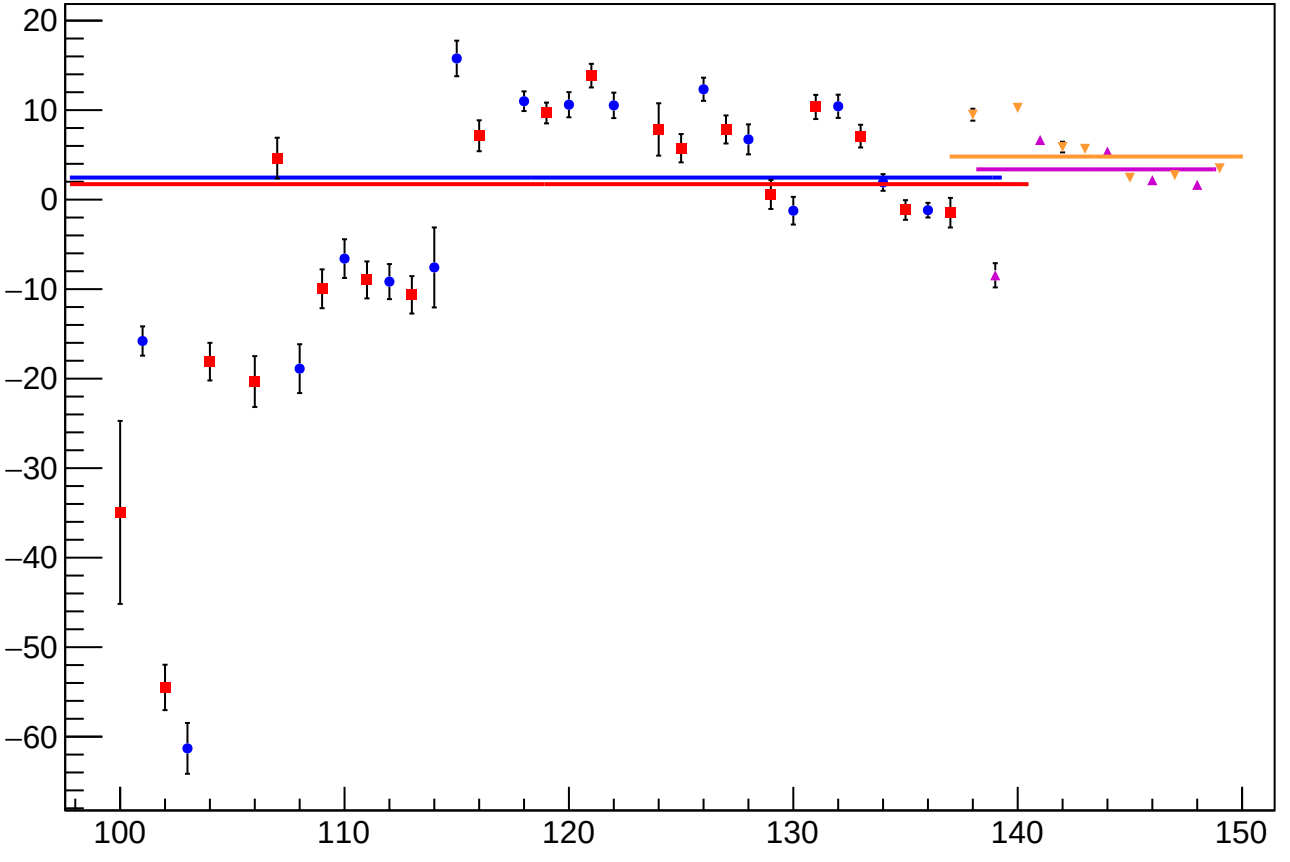
Left In: -7.590+/-0.248 χ^2/NDF:311.3/4

+ sign -9.191+/-0.195 χ^2/NDF: 1297.4/22

All: -7.879+/-0.141 χ^2/NDF: 2134.5/46

- 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: 4.812+/-0.171 χ^2/NDF:284.9/6

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

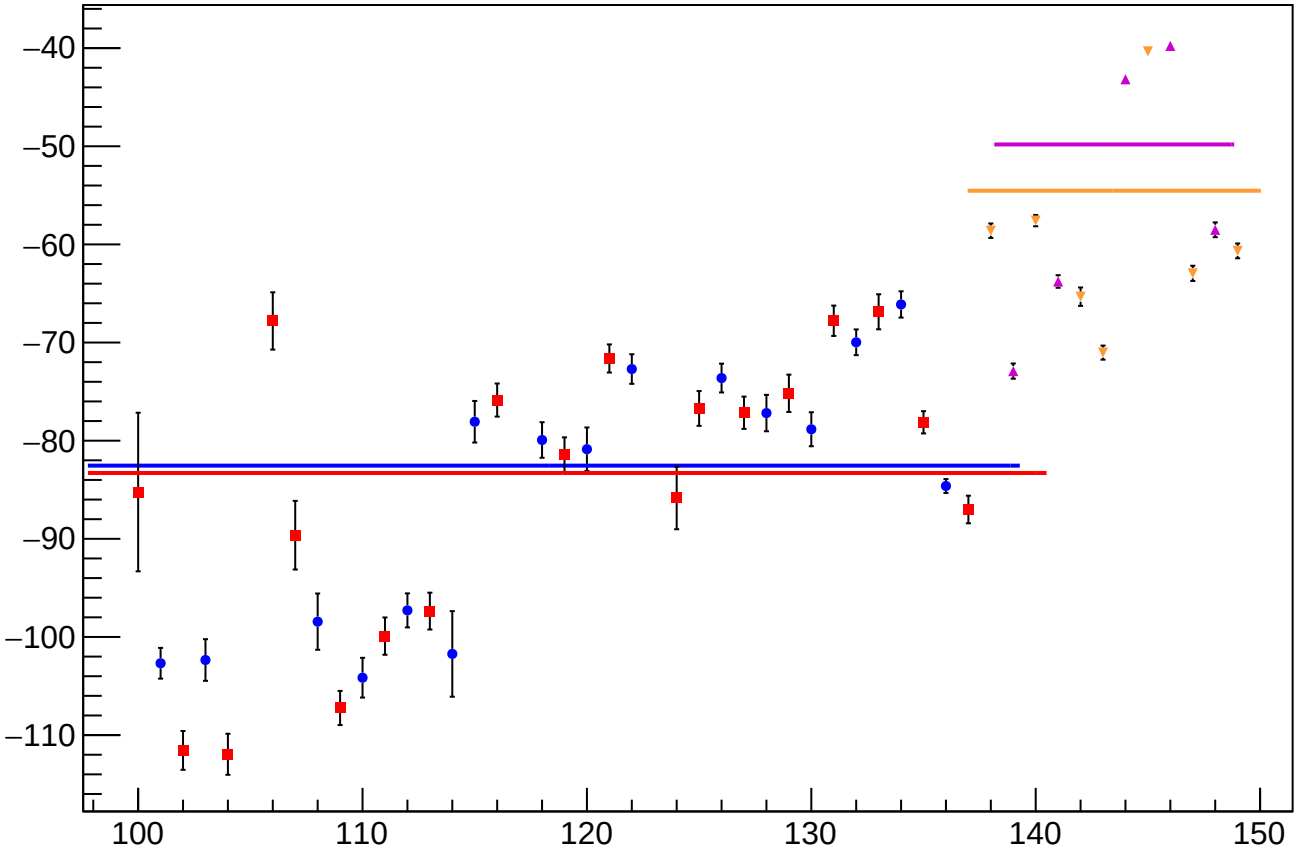
Left In: 3.383+/-0.165 χ^2/NDF:210.0/4

+ sign 4.374+/-0.154 χ^2/NDF: 1366.9/22

All: 3.742+/-0.108 χ^2/NDF: 2608.7/46

- sign 3.127+/-0.152 χ^2/NDF: 1208.6/23

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -54.530+/-0.240 χ^2/NDF:2125.8/6

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

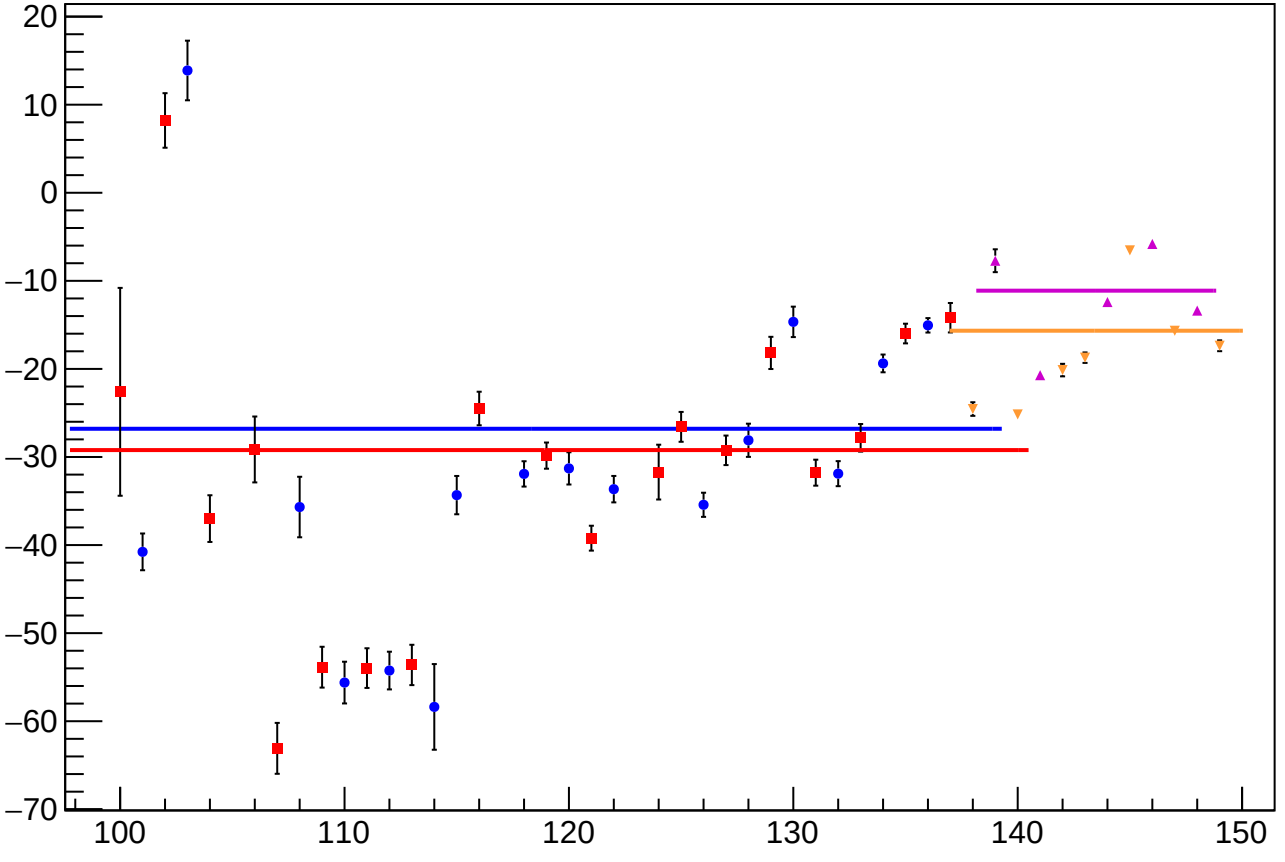
Left In: -49.816+/-0.248 χ^2/NDF:2261.4/4

+ sign -62.371+/-0.203 χ^2/NDF: 6790.1/22

All: -60.583+/-0.147 χ^2/NDF: 15116.4/46

- 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: -15.663+/-0.207 χ^2/NDF:1114.4/6

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

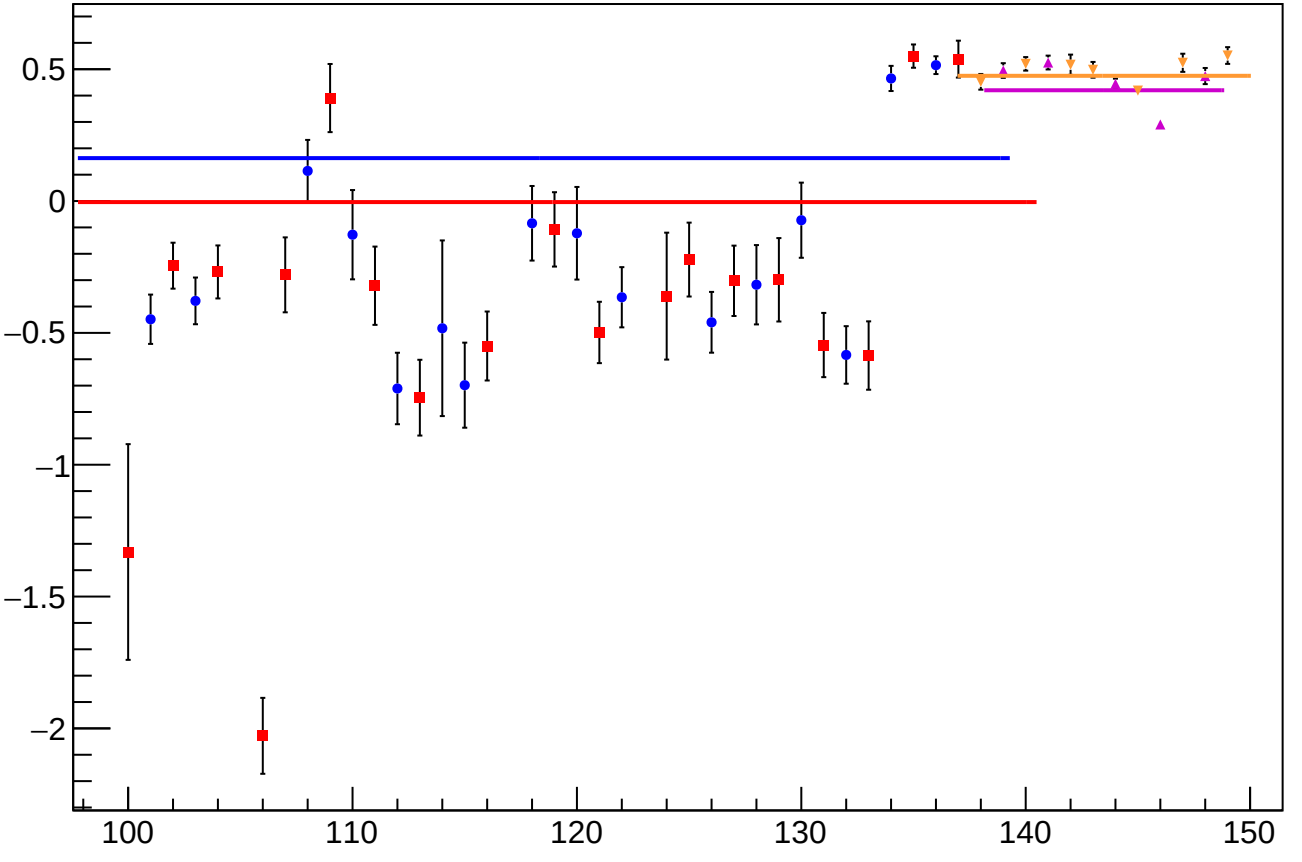
Left In: -11.116+/-0.205 χ^2/NDF:606.6/4

+ sign -18.051+/-0.183 χ^2/NDF: 2700.0/22

All: -16.268+/-0.130 χ^2/NDF: 5896.6/46

- 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: 0.475+/-0.010 χ^2/NDF:25.5/6

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

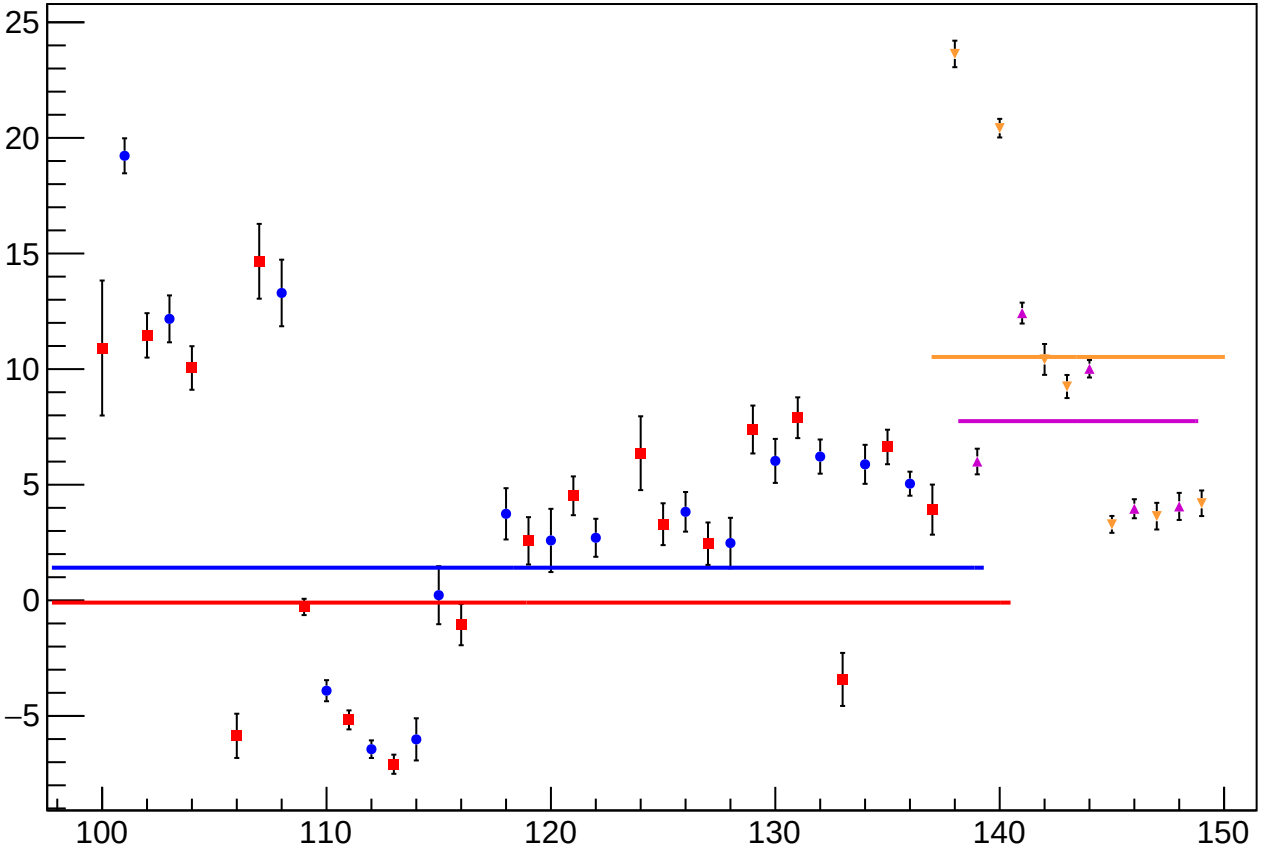
Left In: 0.420+/-0.010 χ^2/NDF:76.0/4

+ sign 0.420+/-0.009 χ^2/NDF: 623.0/22

All: 0.389+/-0.007 χ^2/NDF: 1552.1/46

- 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: 10.525+/-0.185 χ^2/NDF:1797.8/6

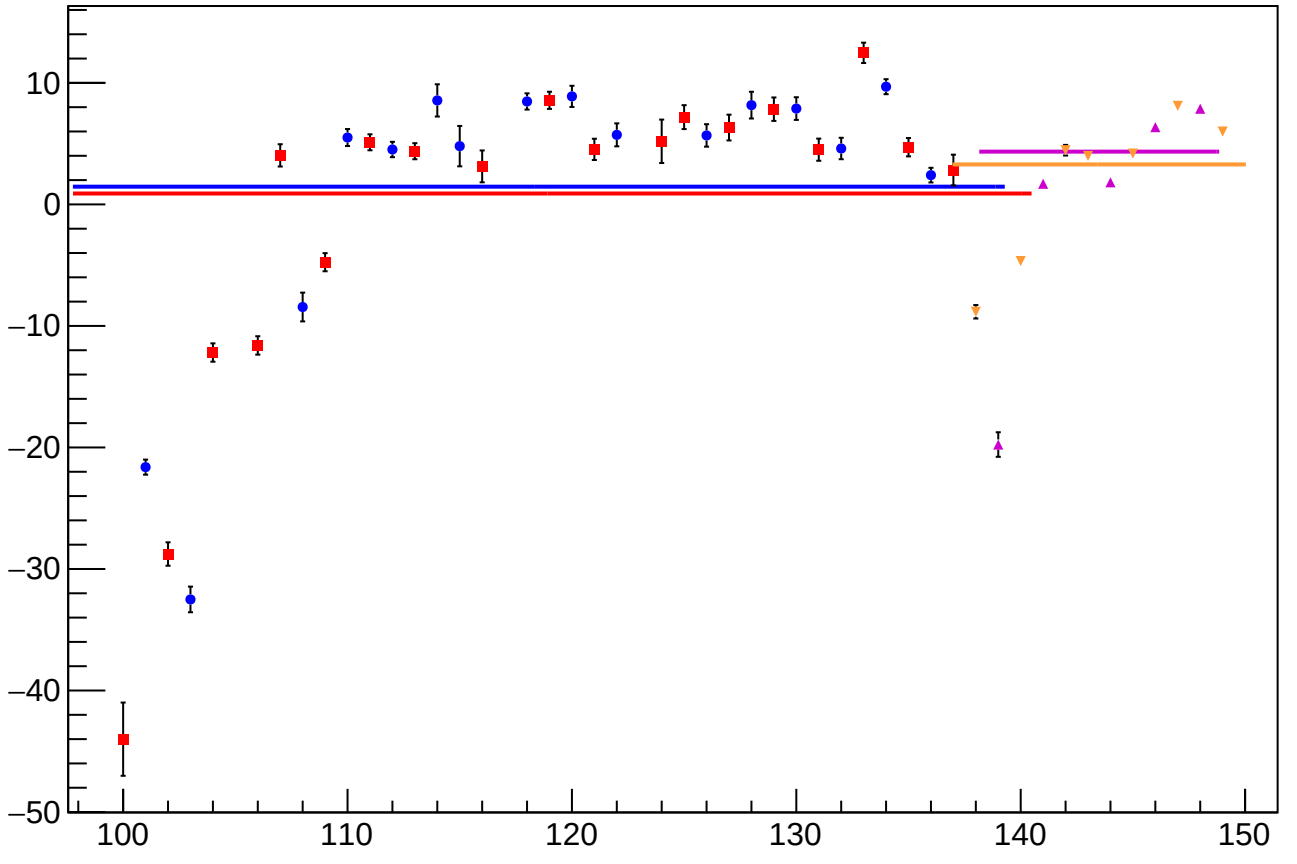
Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 7.750+/-0.204 χ^2/NDF:277.4/4

+ sign 5.921+/-0.130 χ^2/NDF: 4545.7/22

All: 4.482+/-0.092 χ^2/NDF: 7097.8/46

- 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: 3.289+/-0.131 χ^2/NDF:1458.7/6

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

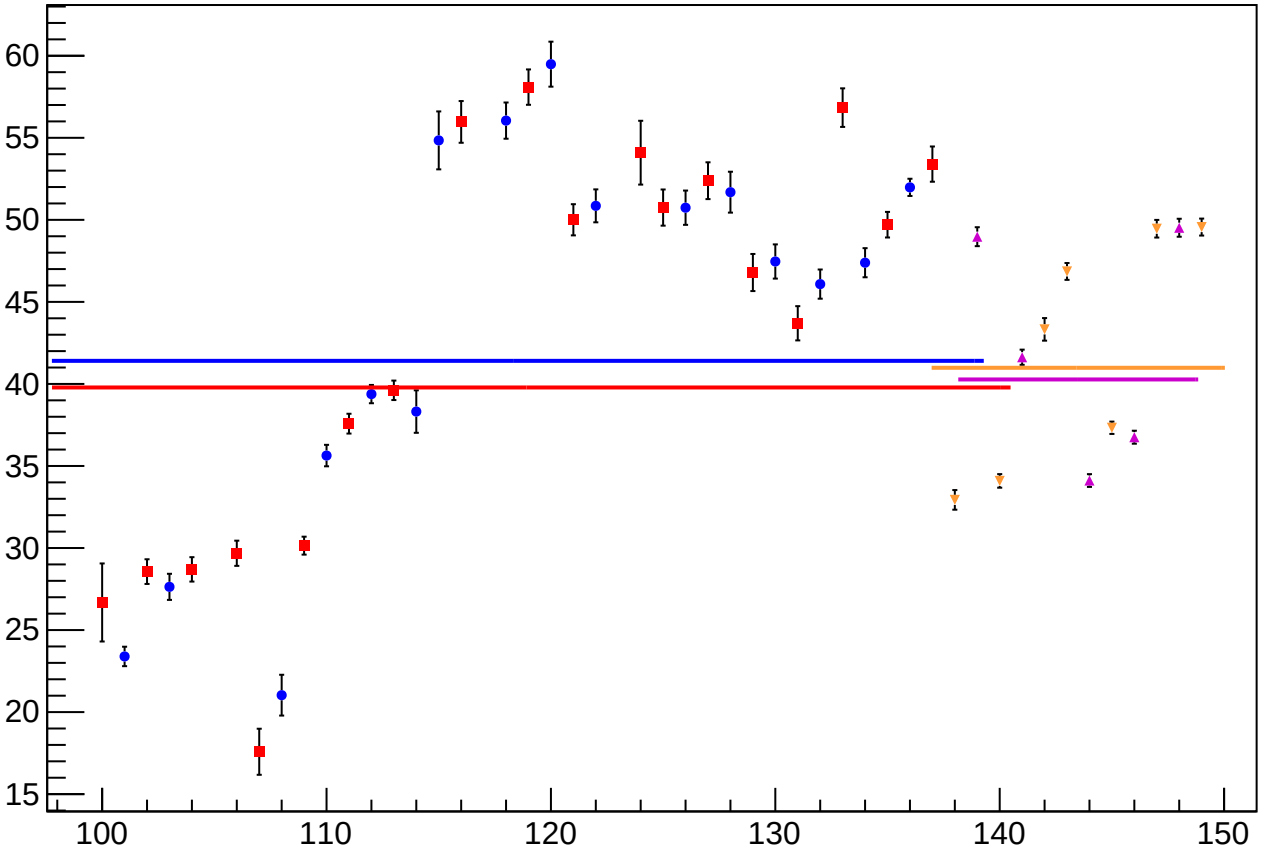
Left In: 4.342+/-0.137 χ^2/NDF:947.2/4

+ sign 2.754+/-0.110 χ^2/NDF: 4596.2/22

All: 2.999+/-0.079 χ^2/NDF: 8130.2/46

- 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: 40.984+/-0.186 χ^2/NDF:1218.3/6

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

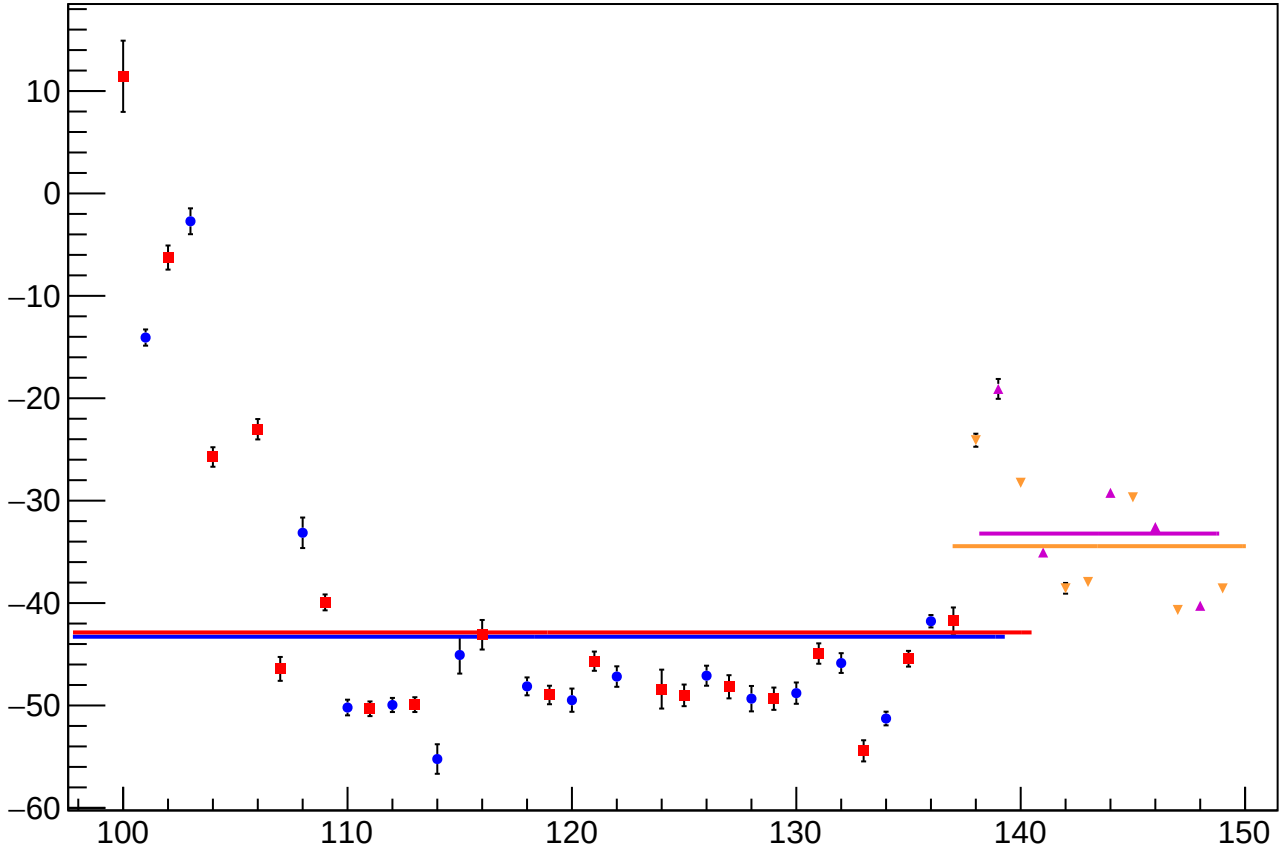
Left In: 40.273+/-0.204 χ^2/NDF:851.1/4

+ sign 41.170+/-0.140 χ^2/NDF: 3966.6/22

All: 40.616+/-0.100 χ^2/NDF: 7506.9/46

- sign 40.027+/-0.144 χ^2/NDF: 3507.8/23

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -34.445+/-0.159 χ^2/NDF:1210.1/6

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

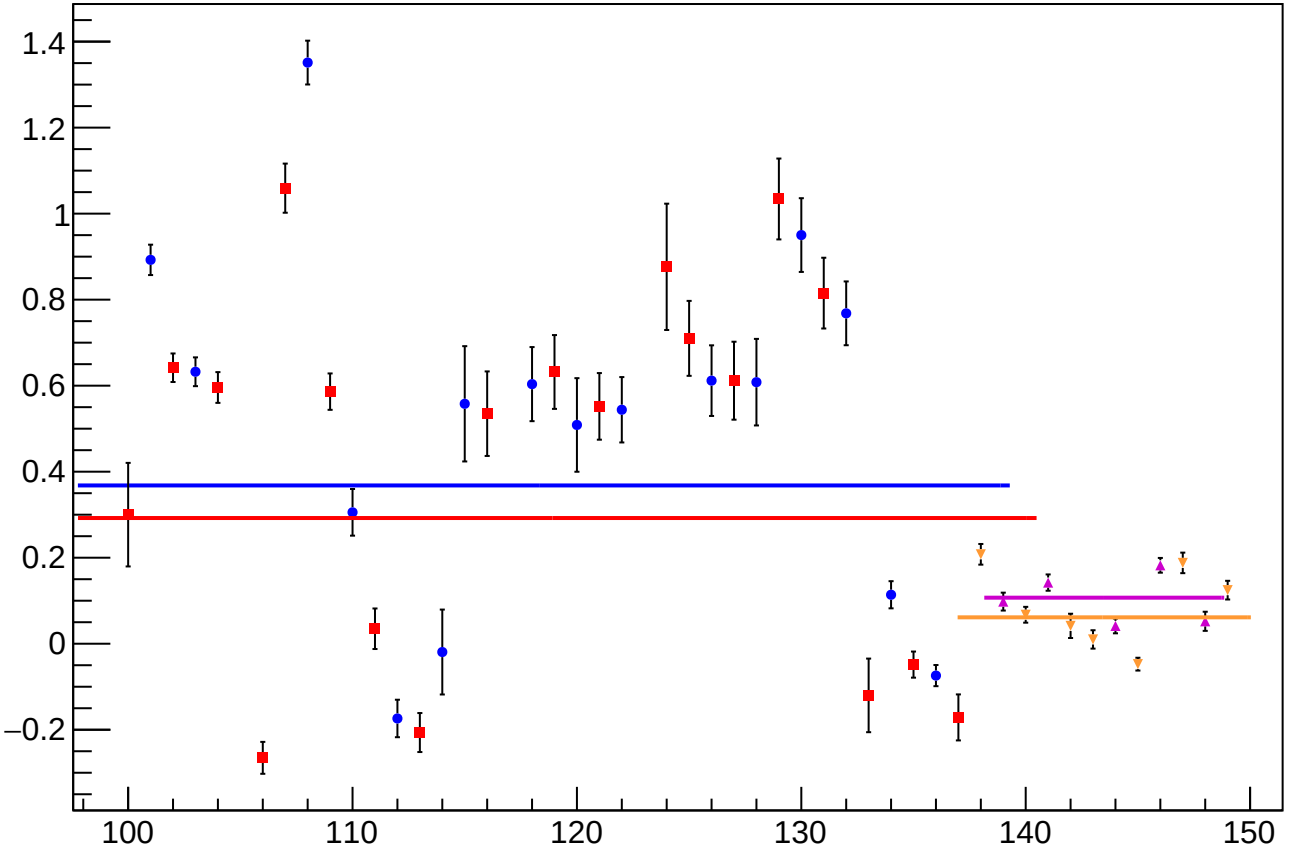
Left In: -33.215+/-0.170 χ^2/NDF:721.6/4

+ sign -37.323+/-0.131 χ^2/NDF: 5197.4/22

All: -36.997+/-0.094 χ^2/NDF: 9531.8/46

- 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: 0.061+/-0.008 χ^2/NDF:133.5/6

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

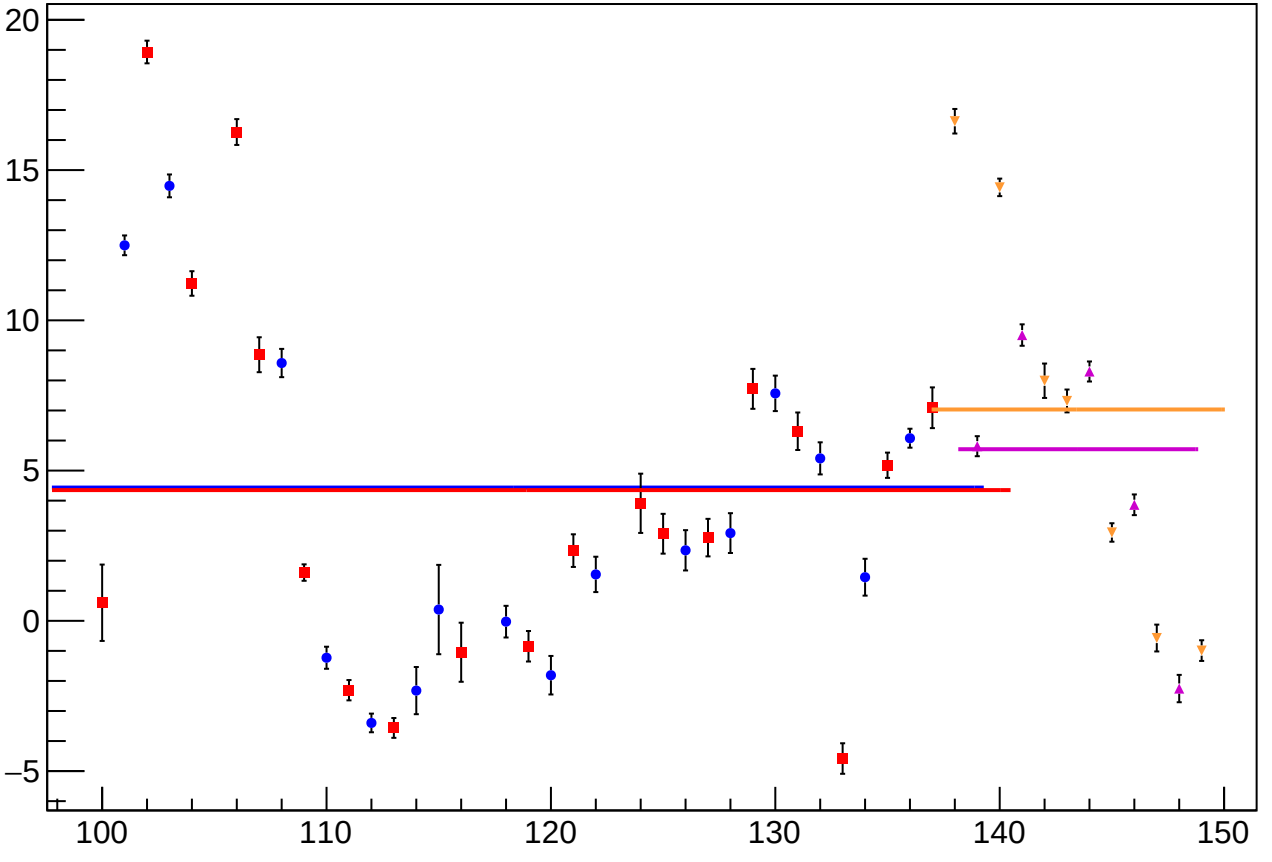
Left In: 0.107+/-0.008 χ^2/NDF:43.6/4

+ sign 0.150+/-0.007 χ^2/NDF: 1903.4/22

All: 0.159+/-0.005 χ^2/NDF: 3306.7/46

- 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: 7.033+/-0.139 χ^2/NDF:2208.4/6

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

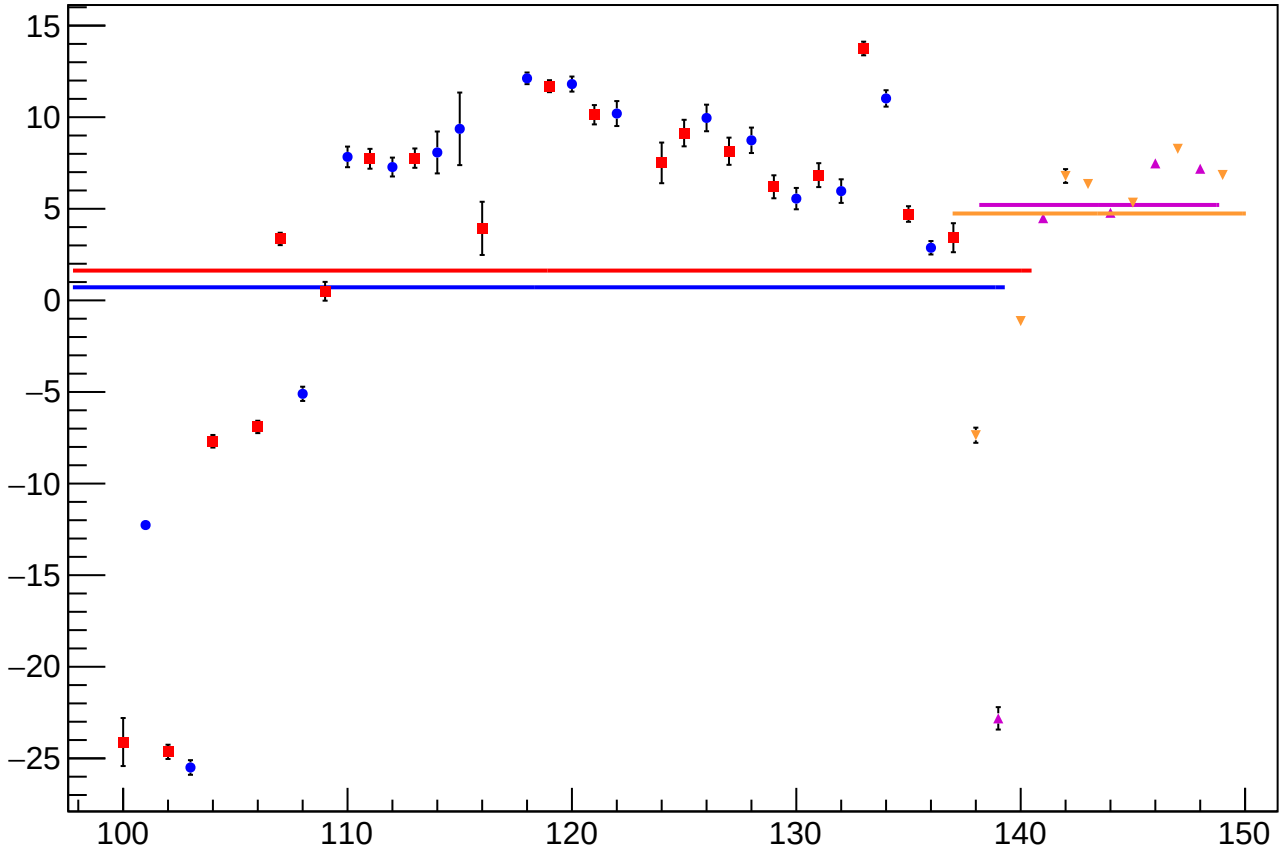
Left In: 5.711+/-0.160 χ^2/NDF:508.7/4

+ sign 5.512+/-0.089 χ^2/NDF: 5035.1/22

All: 5.150+/-0.063 χ^2/NDF: 9831.4/46

- 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: 4.743+/-0.099 χ^2/NDF:1877.1/6

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

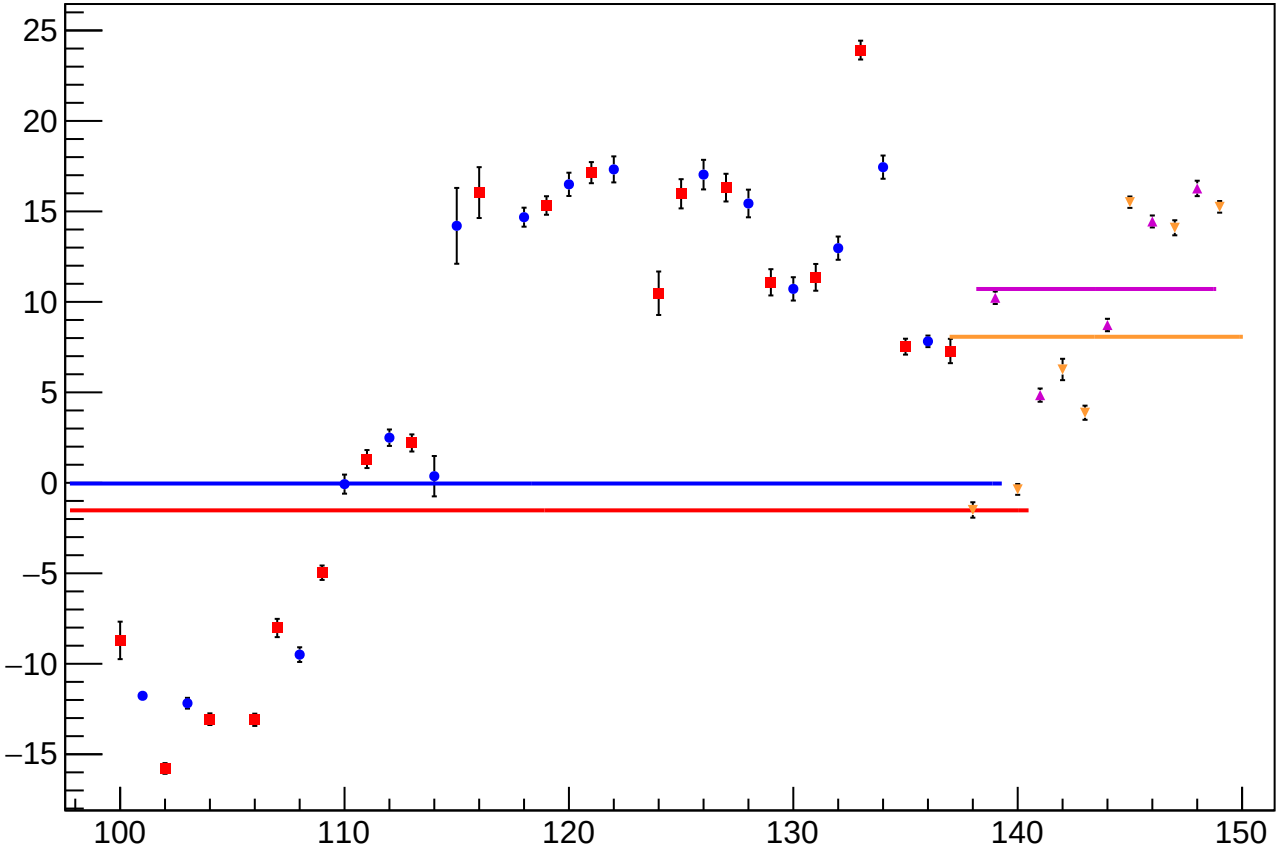
Left In: 5.210+/-0.114 χ^2/NDF:2306.5/4

+ sign 3.039+/-0.075 χ^2/NDF: 13027.6/22

All: 3.197+/-0.055 χ^2/NDF: 25106.2/46

- 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: 8.072+/-0.139 χ^2/NDF:2683.9/6

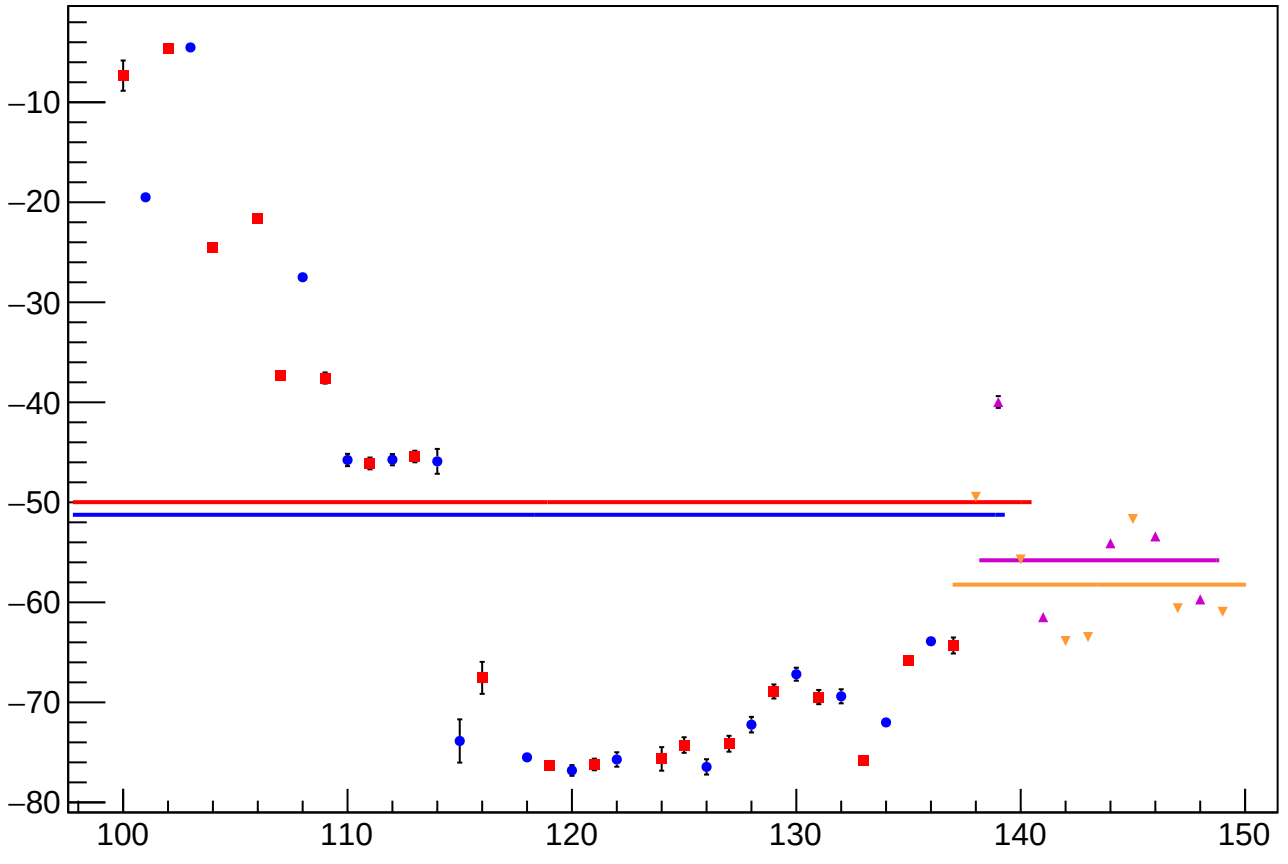
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 10.713+/-0.160 χ^2/NDF:589.3/4

+ sign 3.395+/-0.091 χ^2/NDF: 13912.6/22

All: 3.028+/-0.065 χ^2/NDF: 30507.0/46

- 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: -58.230+/-0.120 χ^2/NDF:1515.1/6

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

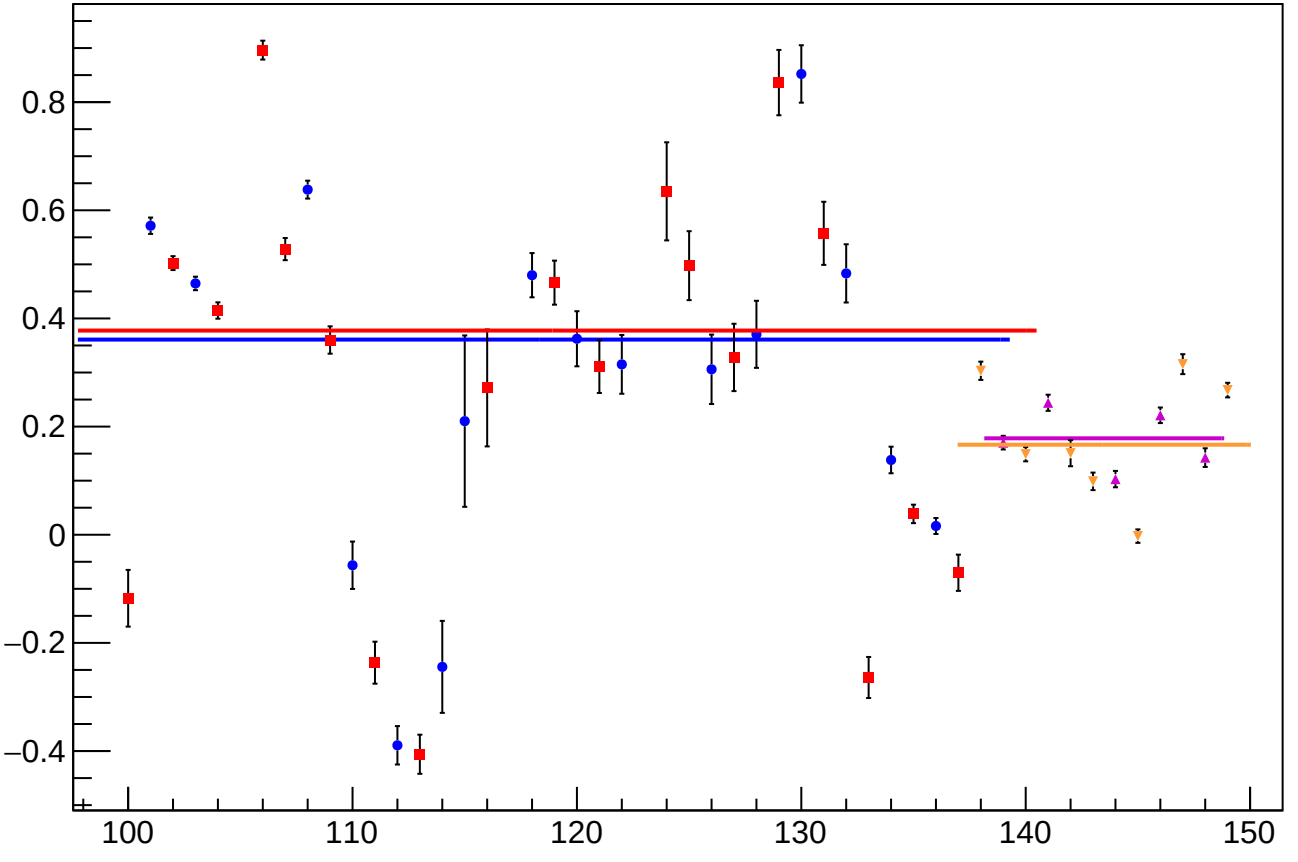
Left In: -55.796+/-0.140 χ^2/NDF:1346.4/4

\+ sign -55.152+/-0.090 χ^2/NDF: 36760.6/22

All: -53.992+/-0.066 χ^2/NDF: 73272.3/46

\- sign -52.688+/-0.096 χ^2/NDF: 36159.7/23

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.166+/-0.006 χ^2/NDF:390.3/6

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

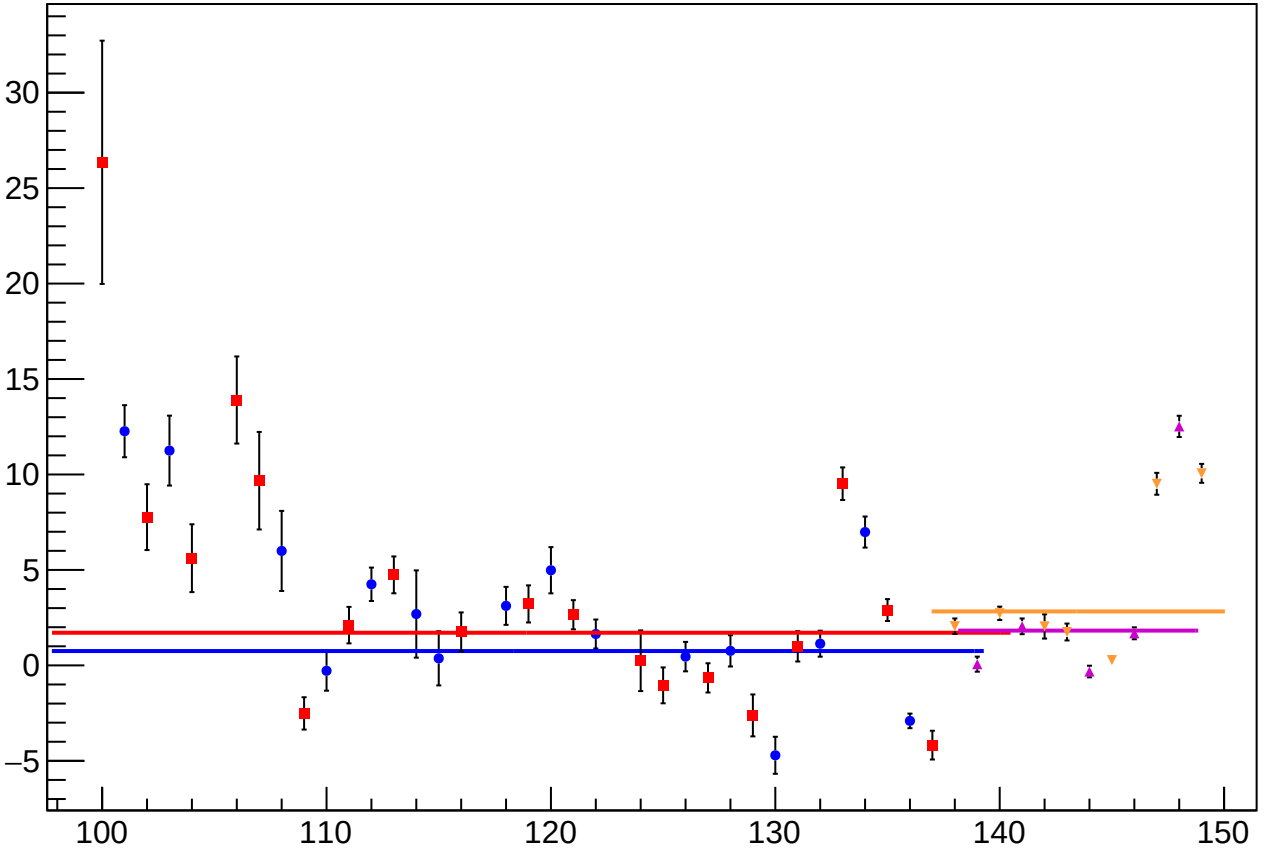
Left In: 0.178+/-0.007 χ^2/NDF:57.6/4

+ sign 0.255+/-0.004 χ^2/NDF: 2759.4/22

All: 0.269+/-0.003 χ^2/NDF: 6125.4/46

- 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: 2.827+/-0.152 χ^2/NDF:454.1/6

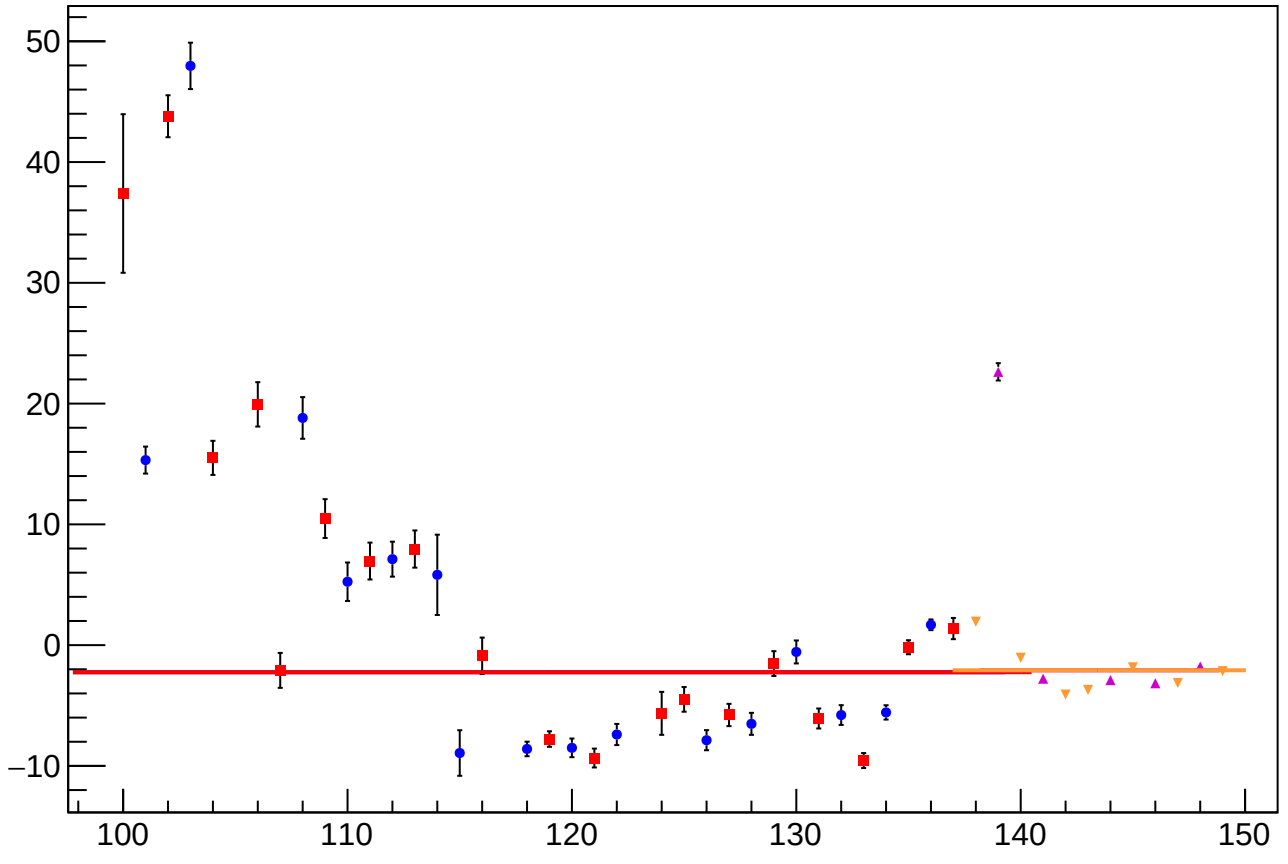
Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 1.822+/-0.165 χ^2/NDF:439.2/4

+ sign 2.125+/-0.124 χ^2/NDF: 847.4/22

All: 1.966+/-0.090 χ^2/NDF: 1584.2/46

- 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: -2.083+/-0.112 χ^2/NDF:182.4/6

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

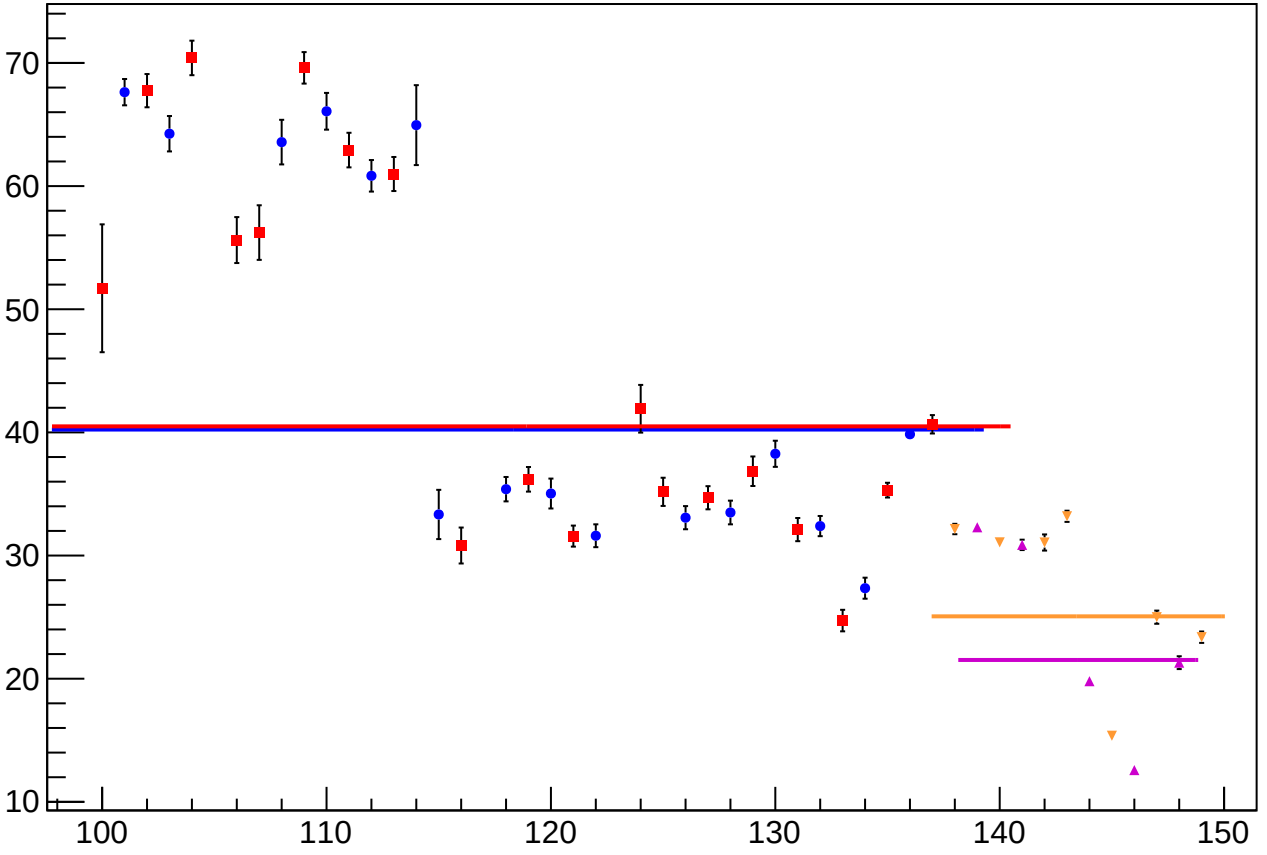
Left In: -2.086+/-0.116 χ^2/NDF:1235.2/4

+ sign -2.117+/-0.099 χ^2/NDF: 1755.3/22

All: -2.117+/-0.072 χ^2/NDF: 4546.6/46

- 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: 25.063+/-0.154 χ^2/NDF:2250.4/6

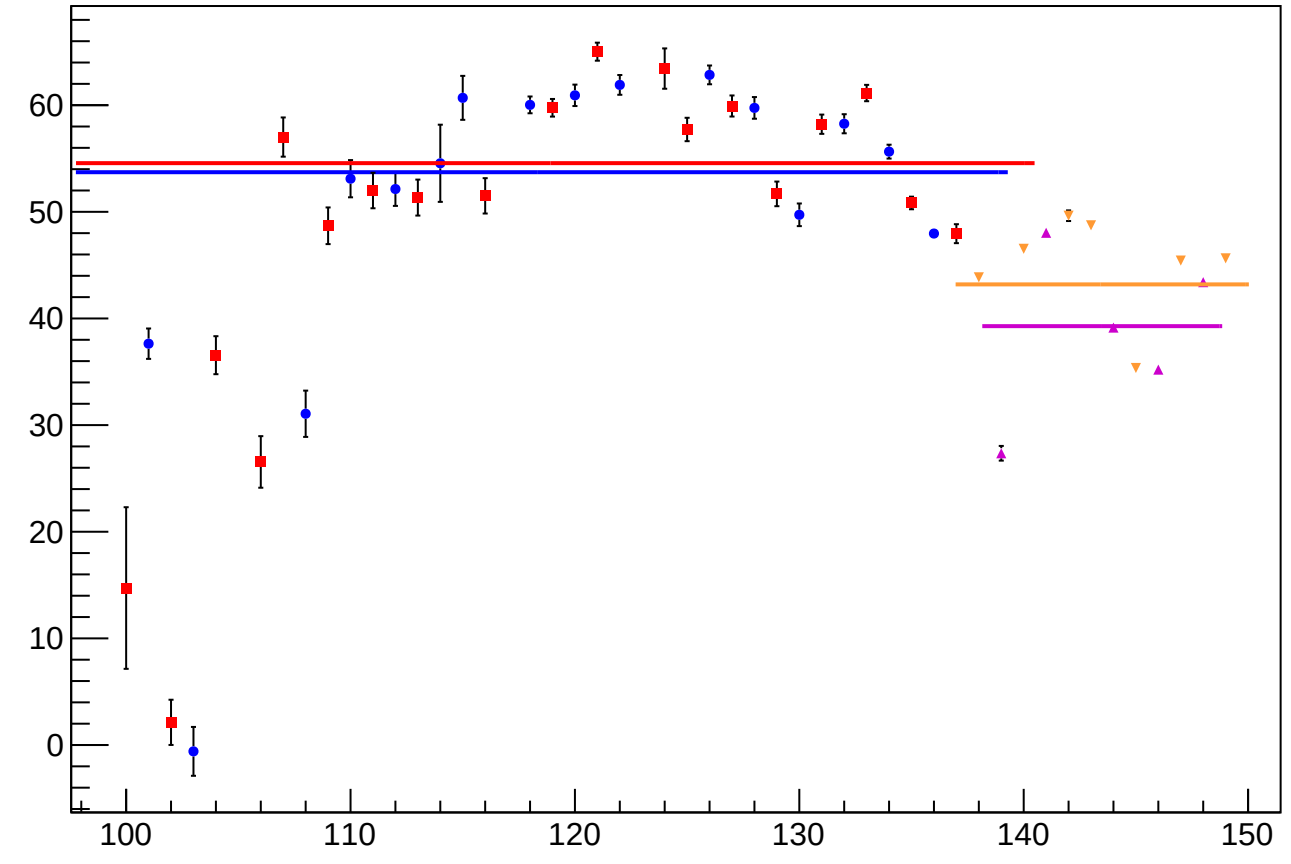
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.522+/-0.166 χ^2/NDF:2087.0/4

+ sign 29.715+/-0.128 χ^2/NDF: 7519.8/22

All: 28.603+/-0.094 χ^2/NDF: 16455.1/46

- sign 27.307+/-0.138 χ^2/NDF: 8772.2/23



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.195+/-0.135 χ^2/NDF:1565.6/6

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

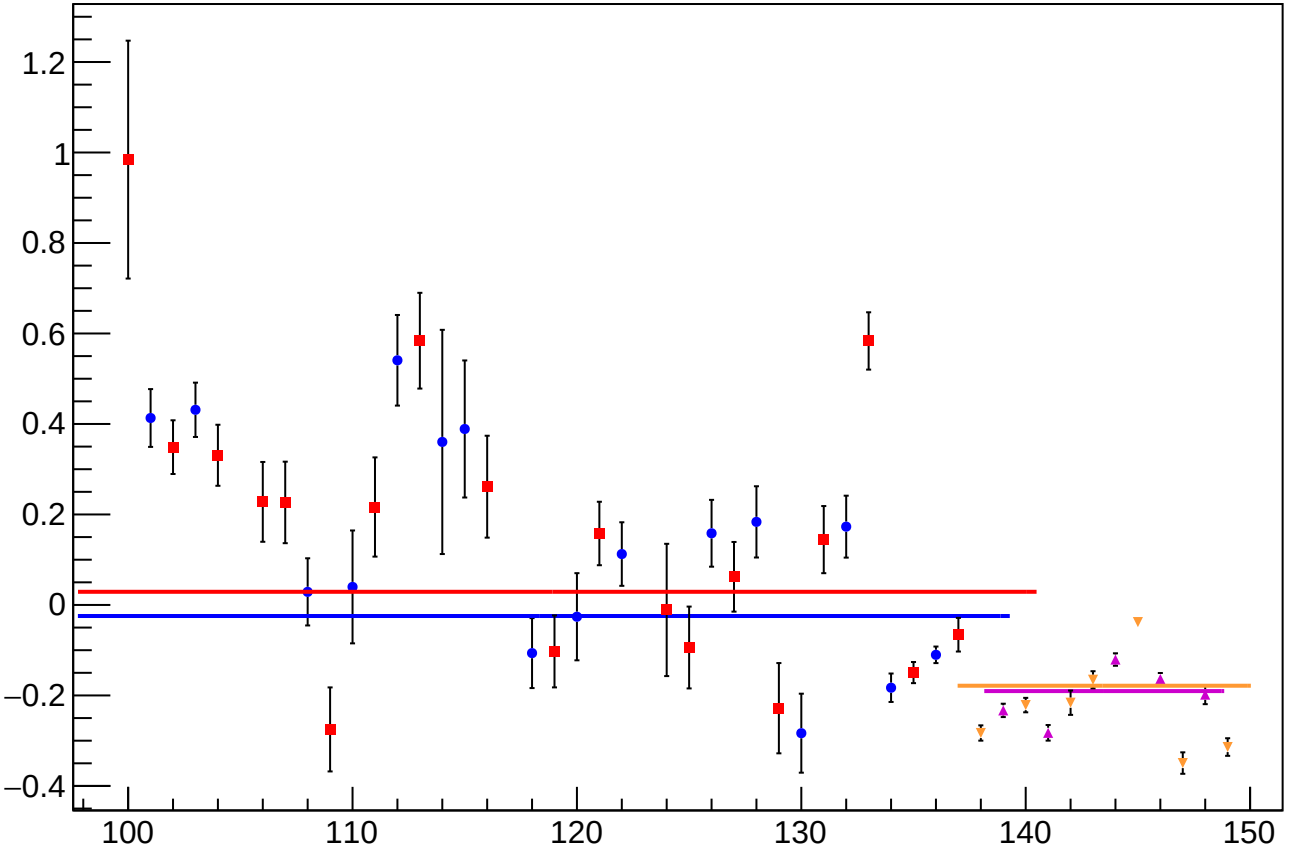
Left In: 39.279+/-0.142 χ^2/NDF:1319.2/4

\+ sign 45.733+/-0.117 χ^2/NDF: 4398.3/22

All: 44.393+/-0.085 χ^2/NDF: 10057.5/46

\- 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: -0.179+/-0.006 χ^2/NDF:318.5/6

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

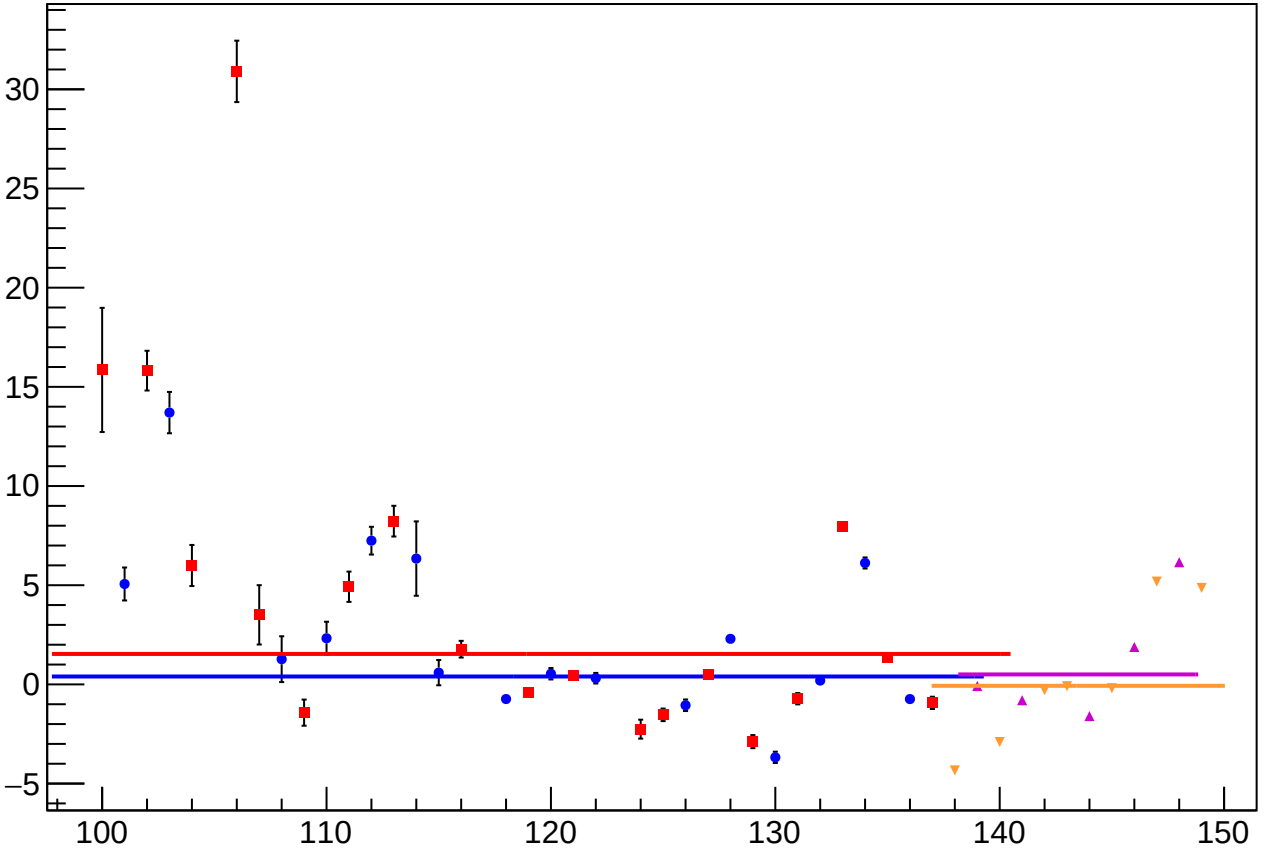
Left In: -0.190+/-0.007 χ^2/NDF:66.9/4

+ sign -0.148+/-0.006 χ^2/NDF: 664.3/22

All: -0.148+/-0.004 χ^2/NDF: 1200.3/46

- 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: -0.071+/-0.055 χ^2/NDF:2968.9/6

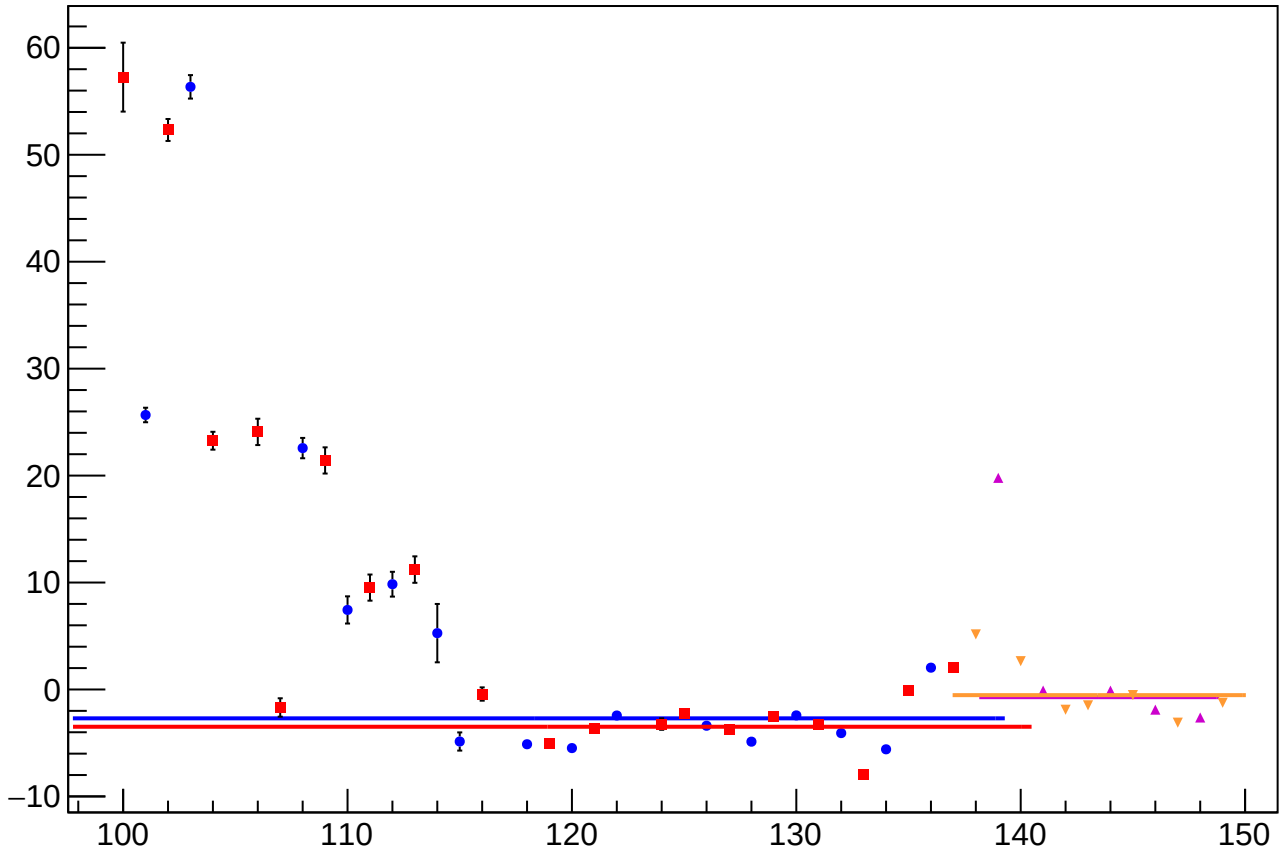
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.502+/-0.059 χ^2/NDF:1453.0/4

+ sign 0.086+/-0.045 χ^2/NDF: 4090.9/22

All: 0.460+/-0.032 χ^2/NDF: 8215.2/46

- sign 0.877+/-0.047 χ^2/NDF: 3975.5/23



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.529+/-0.040 χ^2/NDF:3046.5/6

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

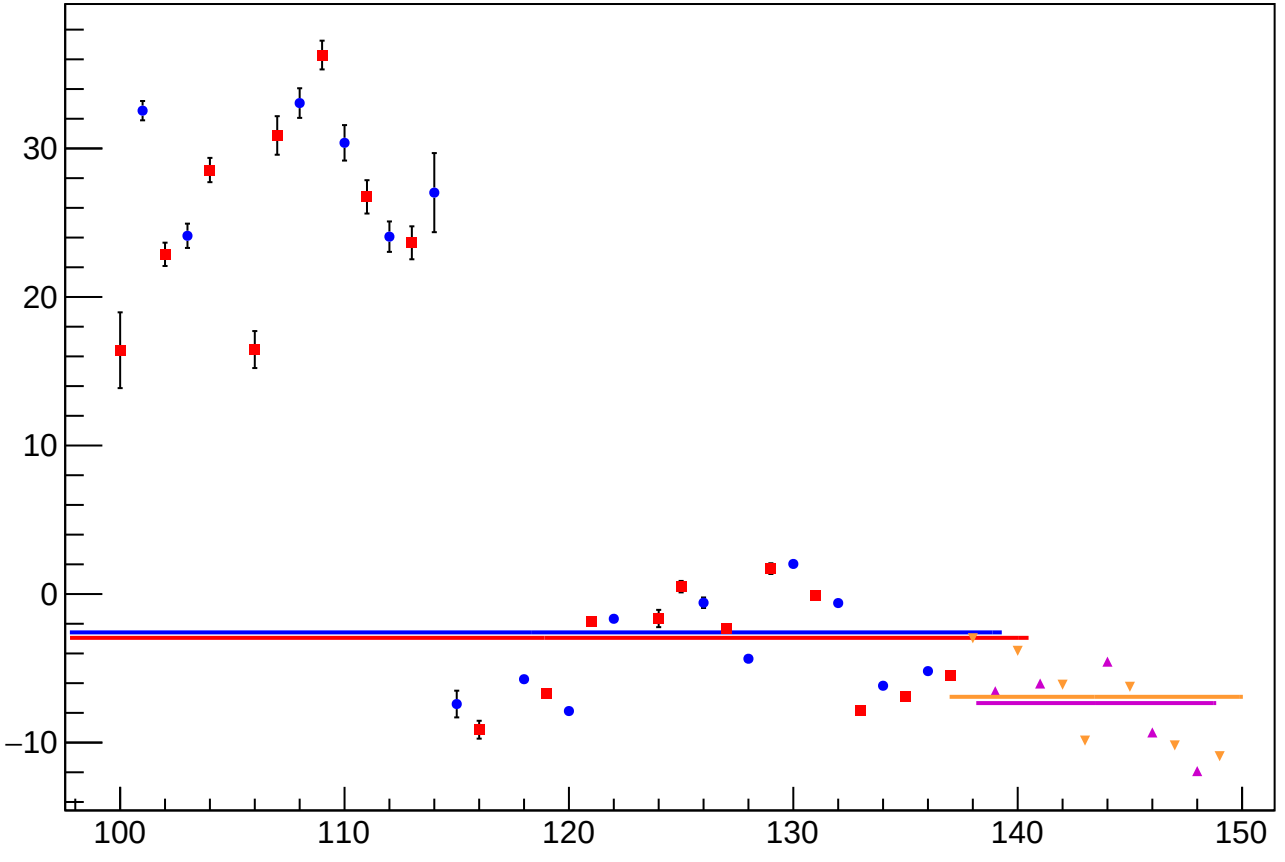
Left In: -0.720+/-0.042 χ^2/NDF:7286.6/4

+ sign -1.055+/-0.035 χ^2/NDF: 10863.4/22

All: -1.237+/-0.025 χ^2/NDF: 26497.9/46

- 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: -6.919+/-0.055 χ^2/NDF:2601.3/6

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

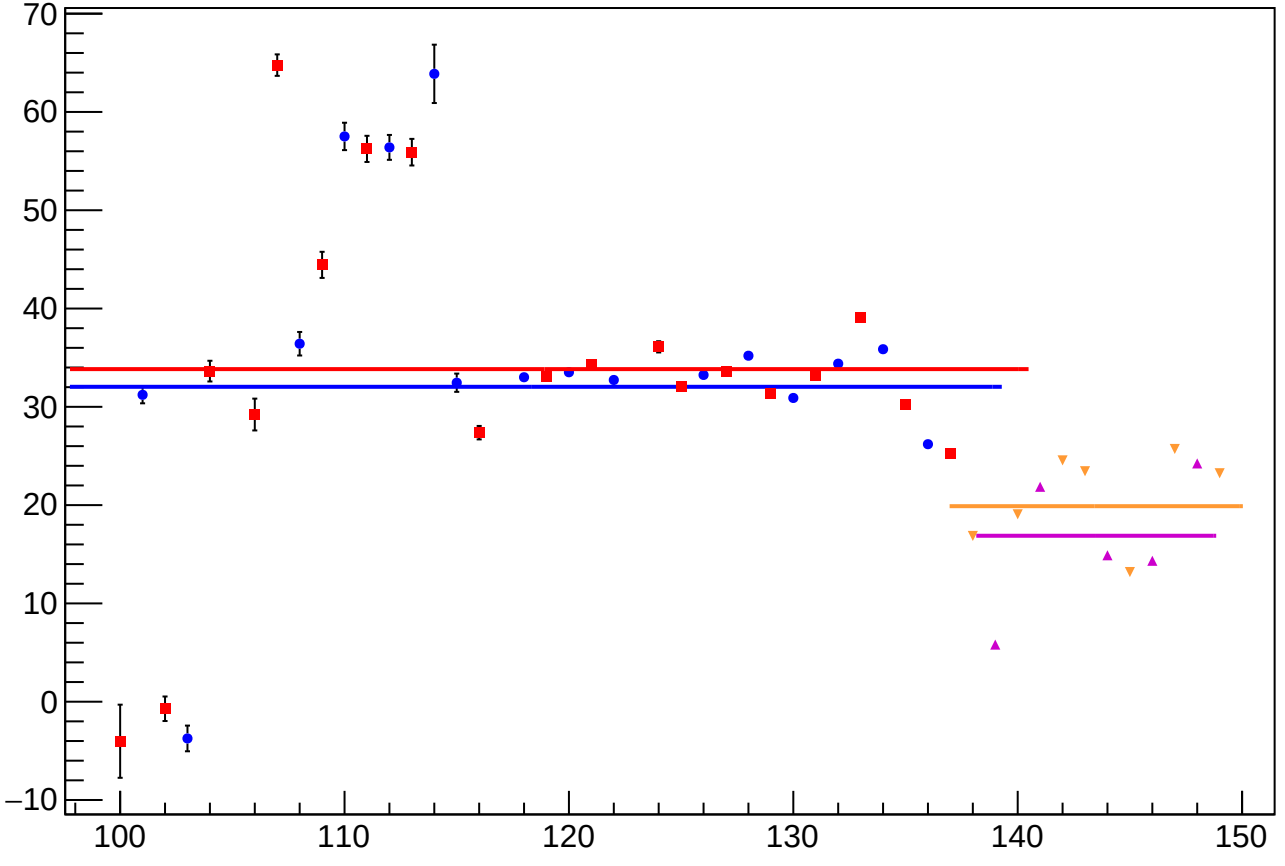
Left In: -7.341+/-0.059 χ^2/NDF:1669.0/4

+ sign -5.593+/-0.046 χ^2/NDF: 12652.9/22

All: -5.741+/-0.033 χ^2/NDF: 24341.5/46

- 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: 19.891+/-0.048 χ^2/NDF:9899.2/6

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

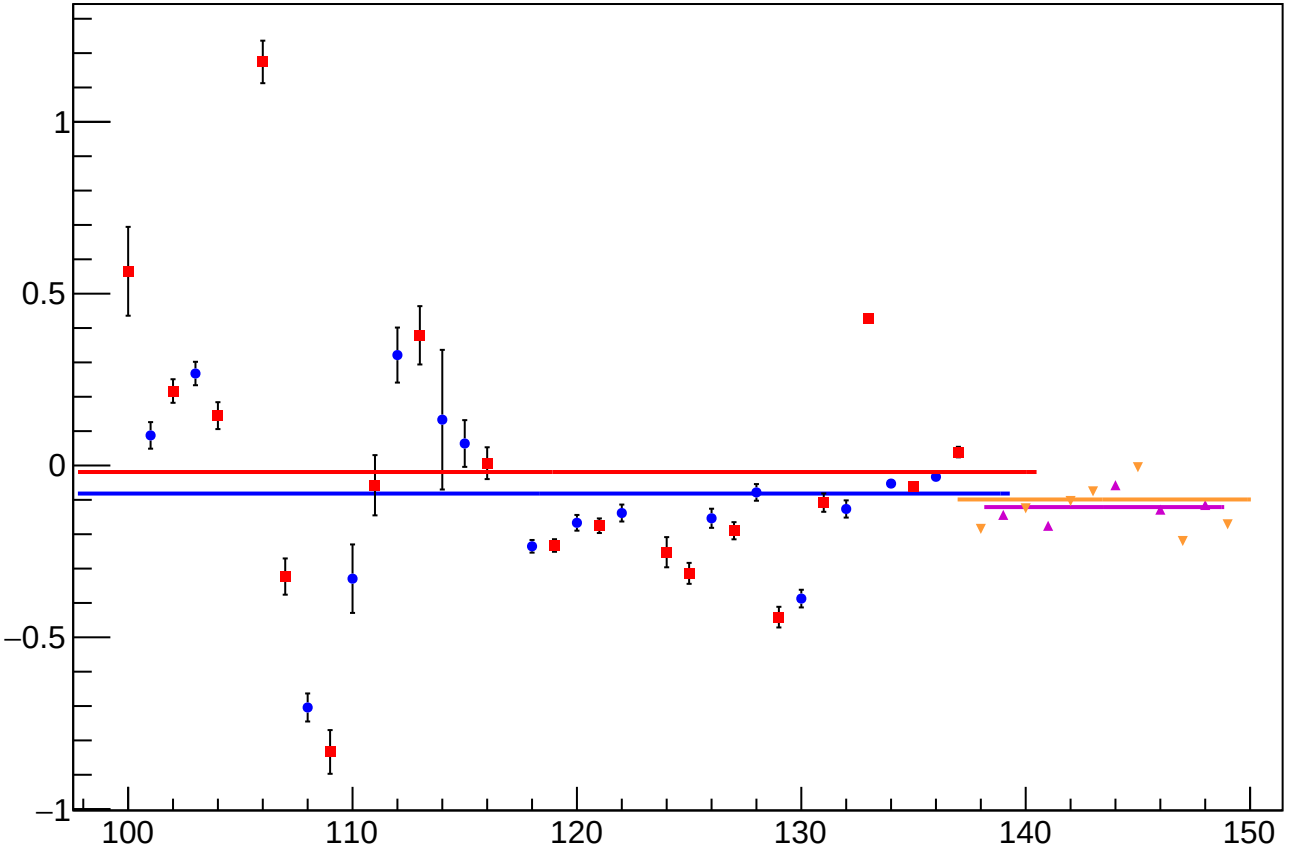
Left In: 16.883+/-0.051 χ^2/NDF:8154.6/4

+ sign 23.046+/-0.041 χ^2/NDF: 29683.9/22

All: 22.376+/-0.030 χ^2/NDF: 73649.2/46

- sign 21.646+/-0.043 χ^2/NDF: 43418.9/23

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.099+/-0.002 χ^2/NDF:1114.9/6

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

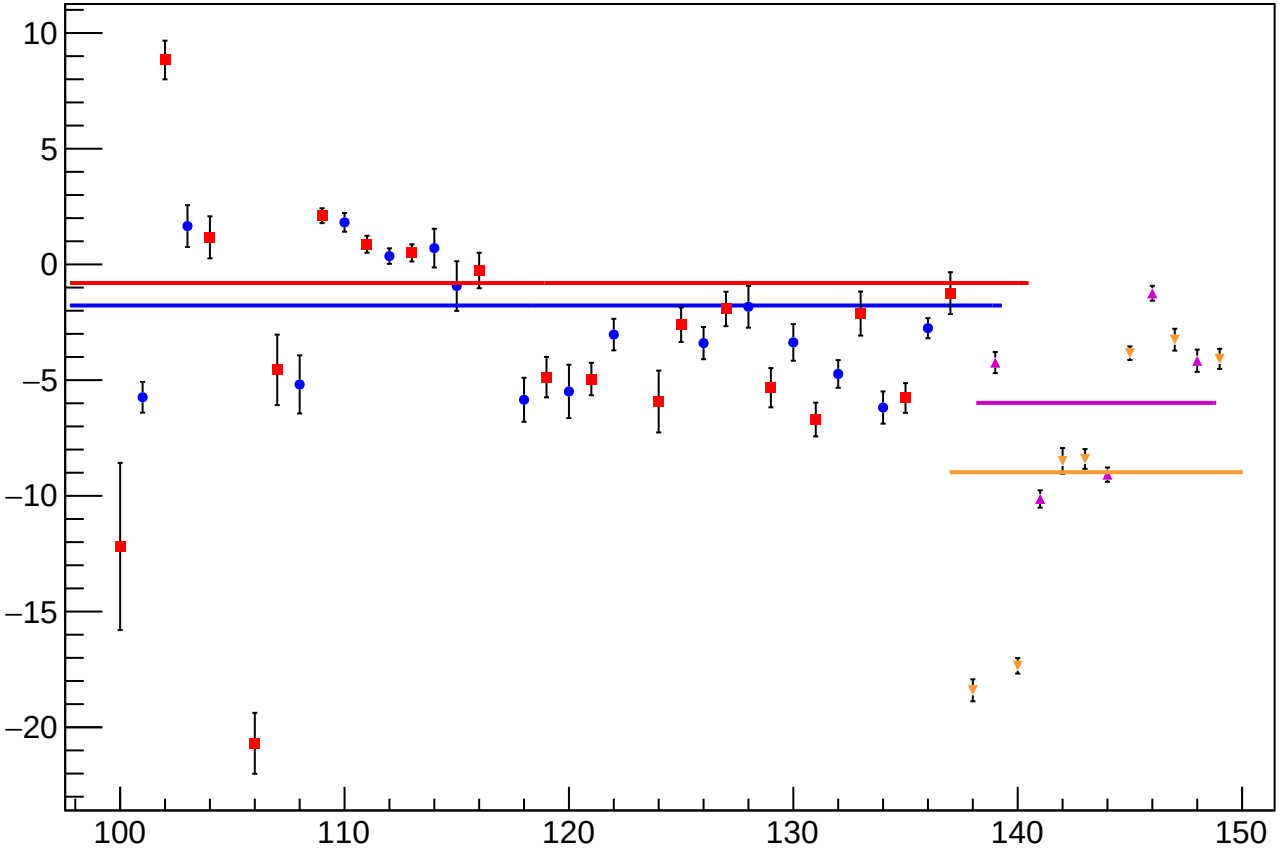
Left In: -0.121+/-0.002 χ^2/NDF:261.2/4

+ sign -0.096+/-0.002 χ^2/NDF: 1814.5/22

All: -0.099+/-0.002 χ^2/NDF: 4669.7/46

- sign -0.102+/-0.002 χ^2/NDF: 2850.2/23

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.979+/-0.152 χ^2/NDF:1600.8/6

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

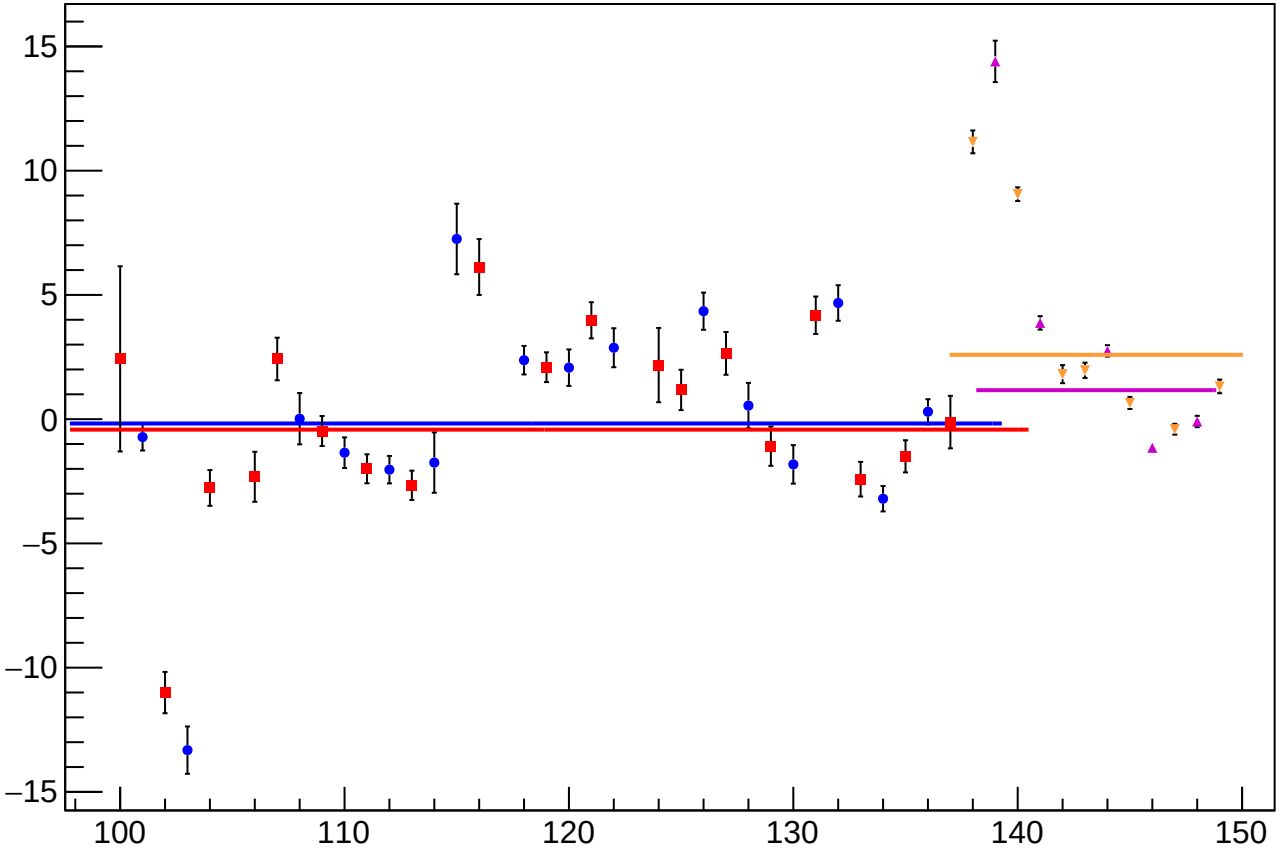
Left In: -5.983+/-0.166 χ^2/NDF:466.7/4

+ sign -5.505+/-0.109 χ^2/NDF: 2986.7/22

All: -4.319+/-0.078 χ^2/NDF: 4967.4/46

- 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: 2.591+/-0.107 χ^2/NDF:1177.1/6

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

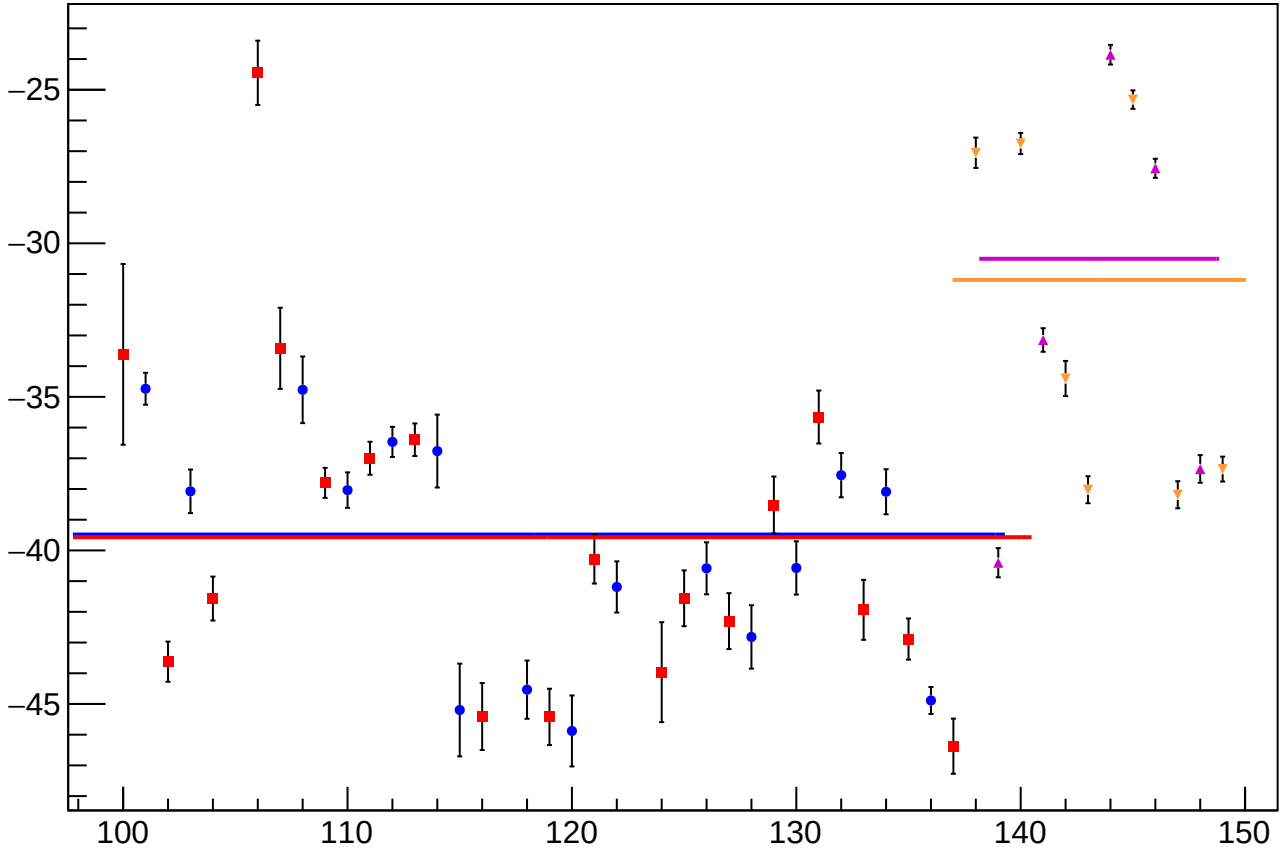
Left In: 1.166+/-0.112 χ^2/NDF:571.2/4

+ sign 1.824+/-0.091 χ^2/NDF: 1764.8/22

All: 1.290+/-0.066 χ^2/NDF: 2831.1/46

- 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: -31.192+/-0.153 χ^2/NDF:1372.2/6

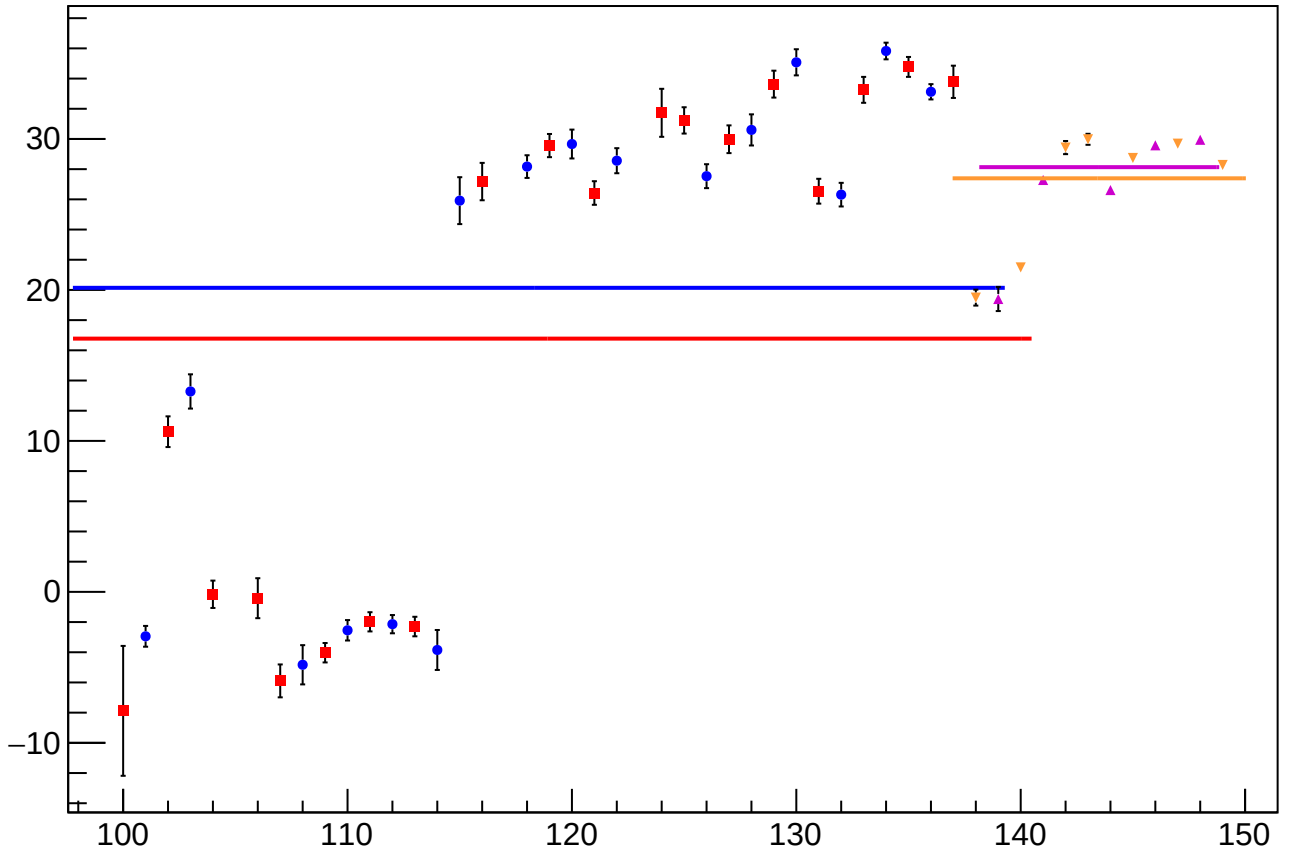
Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -30.503+/-0.166 χ^2/NDF:1233.6/4

\+ sign -34.653+/-0.116 χ^2/NDF: 3014.7/22

All: -34.651+/-0.084 χ^2/NDF: 6164.2/46

\- sign -34.648+/-0.122 χ^2/NDF: 3149.5/23



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.393+/-0.131 χ^2/NDF:700.3/6

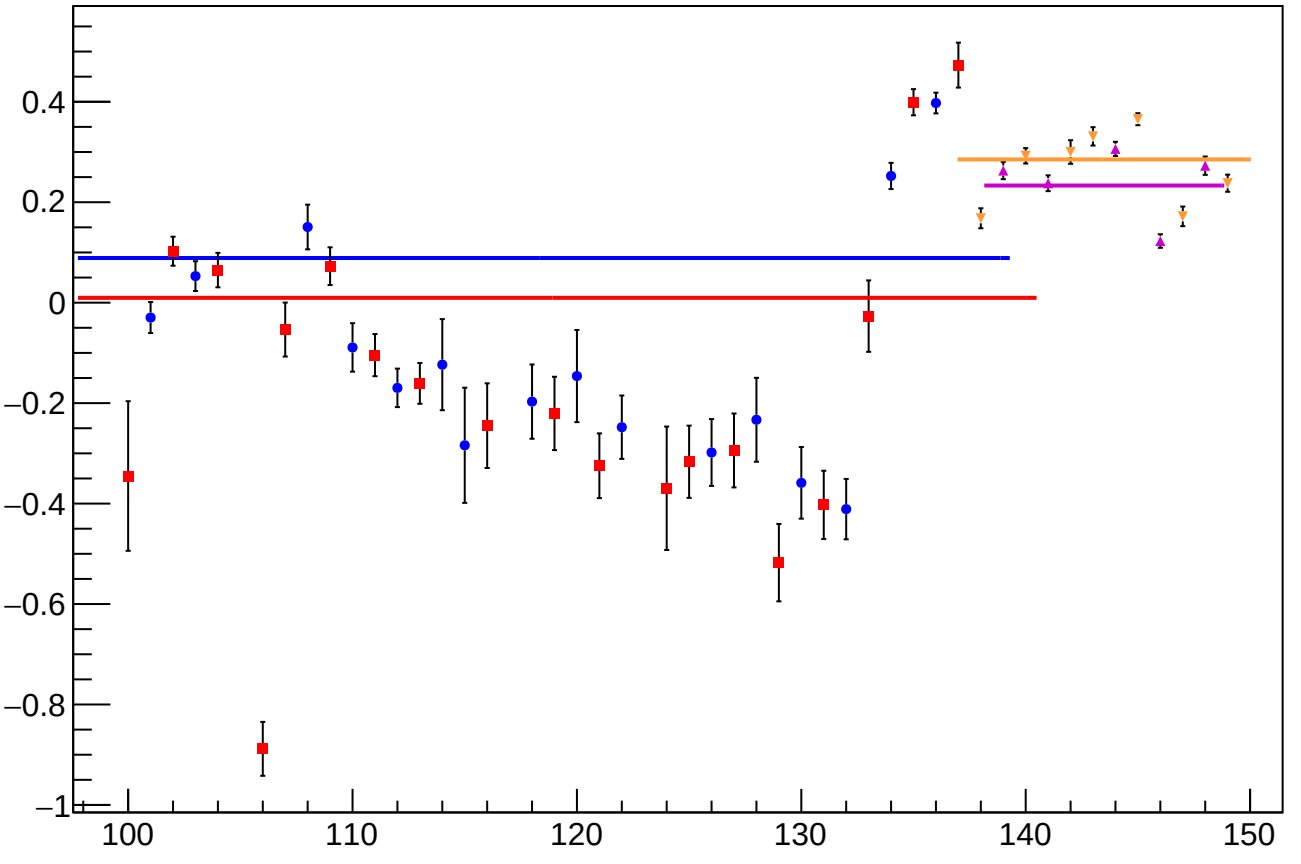
Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.133+/-0.139 χ^2/NDF:226.4/4

\+ sign 25.145+/-0.108 χ^2/NDF: 8342.4/22

All: 24.807+/-0.079 χ^2/NDF: 17509.3/46

\- sign 24.434+/-0.114 χ^2/NDF: 9146.6/23



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.285+/-0.006 χ^2/NDF:128.0/6

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

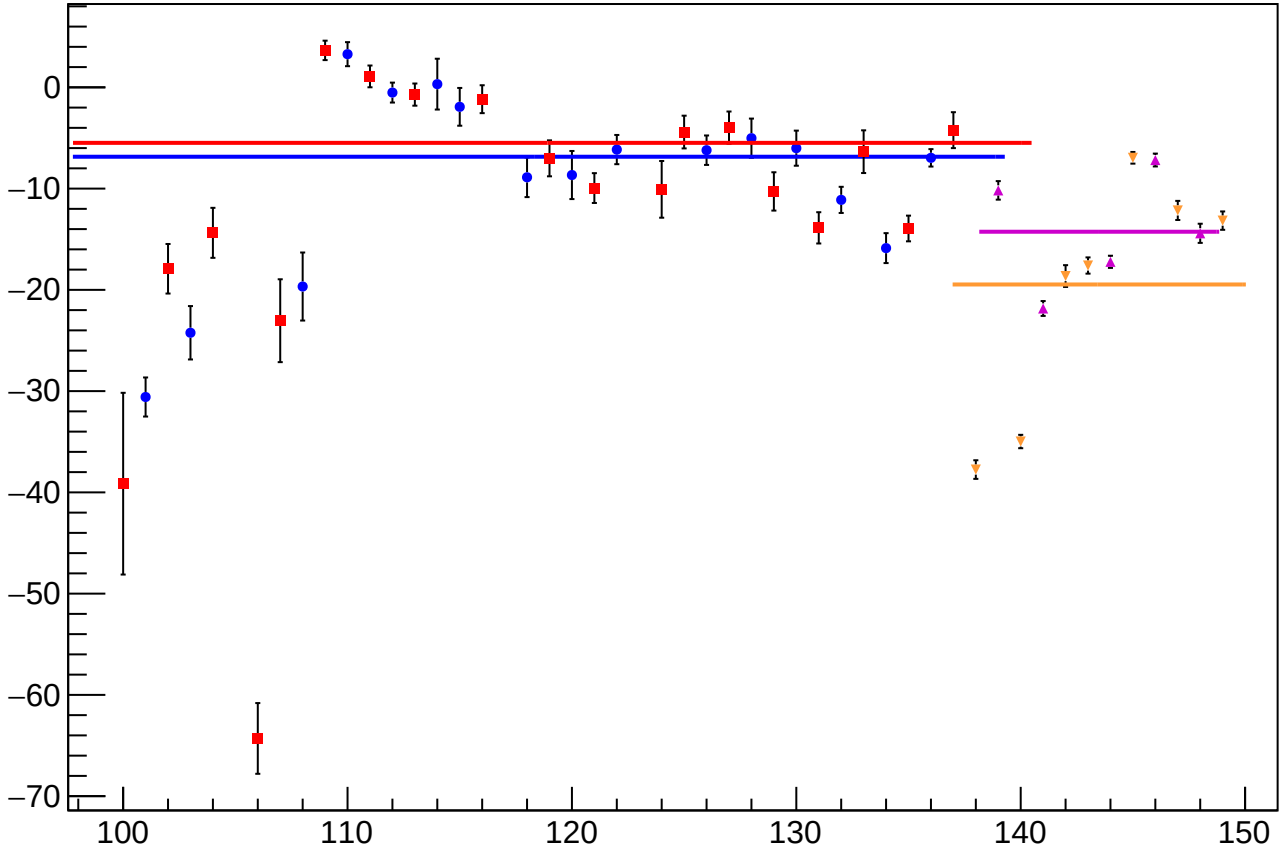
Left In: 0.233+/-0.007 χ^2/NDF:101.2/4

+ sign 0.232+/-0.005 χ^2/NDF: 950.6/22

All: 0.203+/-0.004 χ^2/NDF: 2241.9/46

- 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: -19.469+/-0.298 χ^2/NDF:1532.3/6

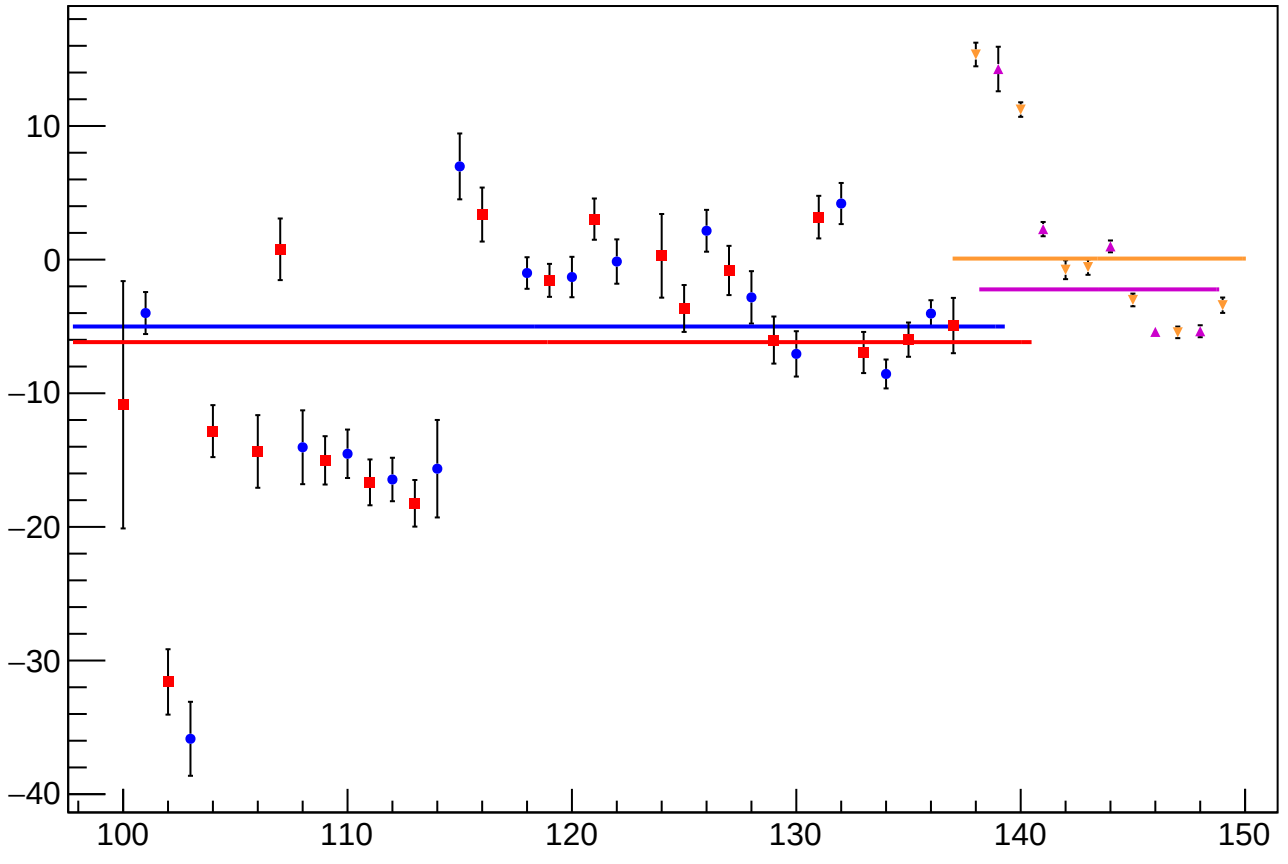
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.260+/-0.326 χ^2/NDF:275.2/4

+ sign -14.591+/-0.234 χ^2/NDF: 2614.3/22

All: -12.596+/-0.169 χ^2/NDF: 3966.7/46

- 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: 0.078+/-0.211 χ^2/NDF:961.2/6

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

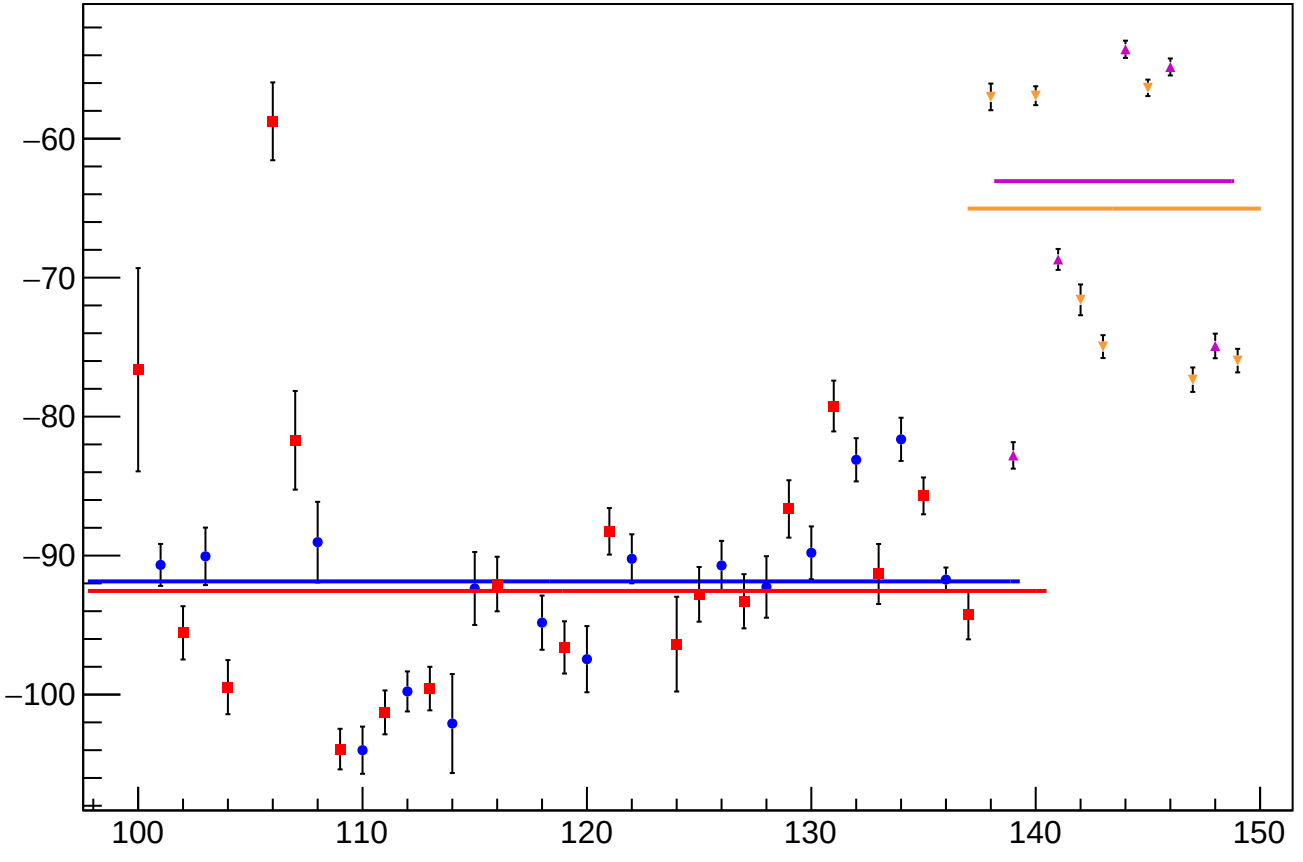
Left In: -2.227+/-0.218 χ^2/NDF:342.6/4

\+ sign -1.050+/-0.186 χ^2/NDF: 1431.5/22

All: -2.026+/-0.134 χ^2/NDF: 2270.7/46

\- 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: -65.033+/-0.301 χ^2/NDF:970.4/6

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

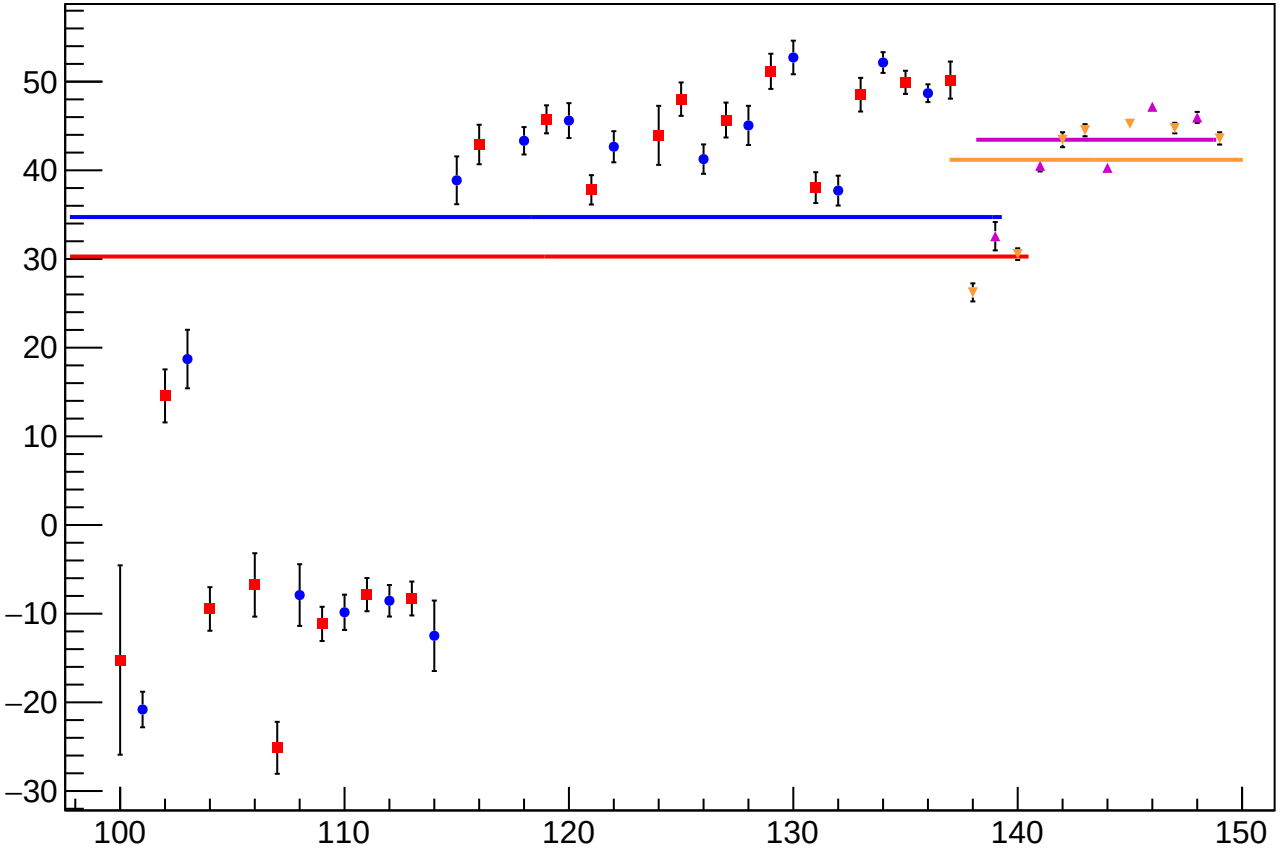
Left In: -63.058+/-0.326 χ^2/NDF:1079.8/4

+ sign -74.003+/-0.245 χ^2/NDF: 3810.9/22

All: -73.777+/-0.179 χ^2/NDF: 8187.7/46

- 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: 41.187+/-0.257 χ^2/NDF:613.6/6

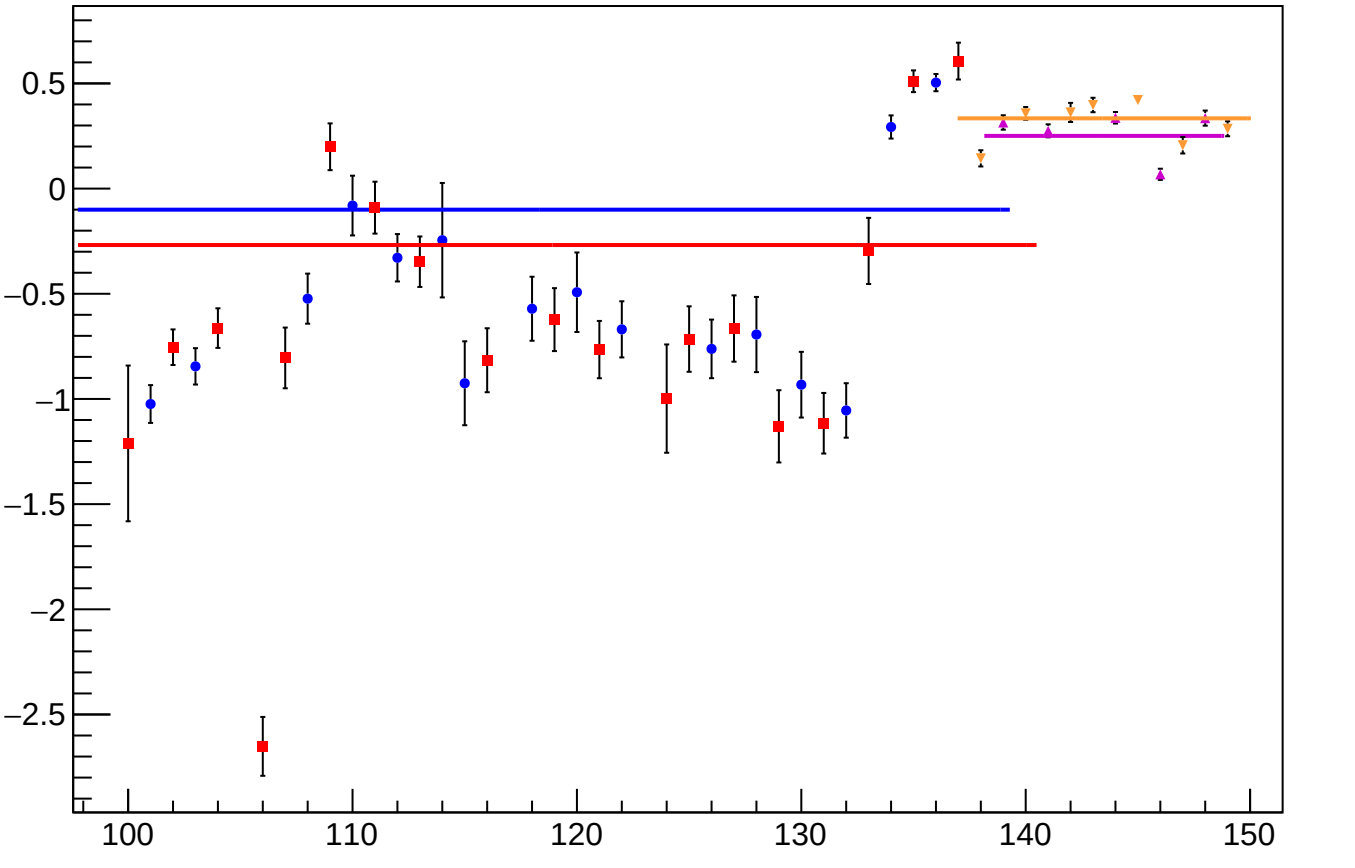
Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 43.447+/-0.271 χ^2/NDF:183.4/4

+ sign 39.553+/-0.222 χ^2/NDF: 3582.3/22

All: 39.830+/-0.161 χ^2/NDF: 7275.1/46

- sign 40.137+/-0.234 χ^2/NDF: 3689.5/23



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.334+/-0.013 χ^2/NDF:55.1/6

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

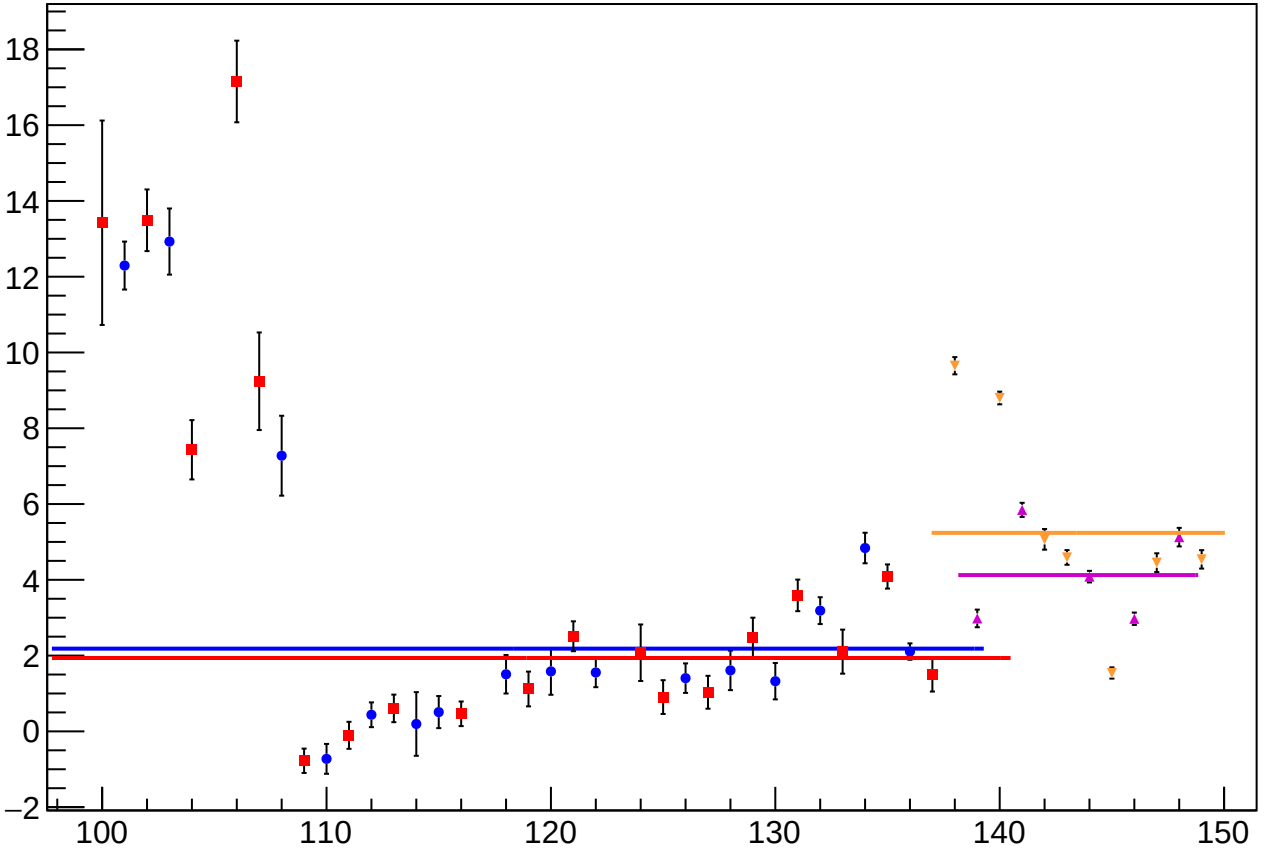
Left In: 0.251+/-0.014 χ^2/NDF:66.8/4

+ sign 0.241+/-0.011 χ^2/NDF: 943.3/22

All: 0.195+/-0.008 χ^2/NDF: 2175.6/46

- 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: 5.240+/-0.076 χ^2/NDF:1475.0/6

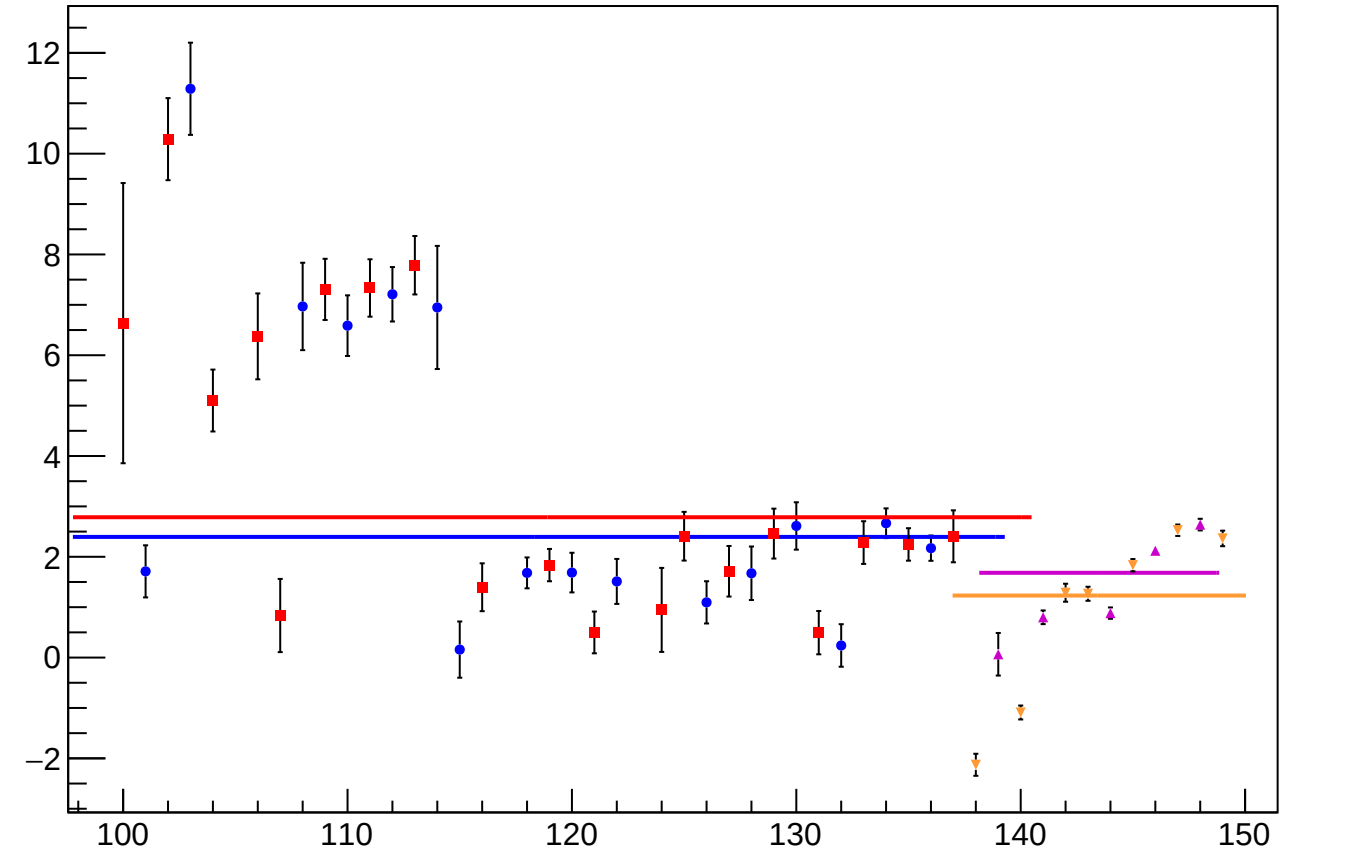
Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.125+/-0.083 χ^2/NDF:175.7/4

+ sign 4.190+/-0.062 χ^2/NDF: 2630.6/22

All: 3.765+/-0.045 χ^2/NDF: 3890.4/46

- sign 3.284+/-0.065 χ^2/NDF: 1158.0/23



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.231+/-0.054 χ^2/NDF:726.3/6

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

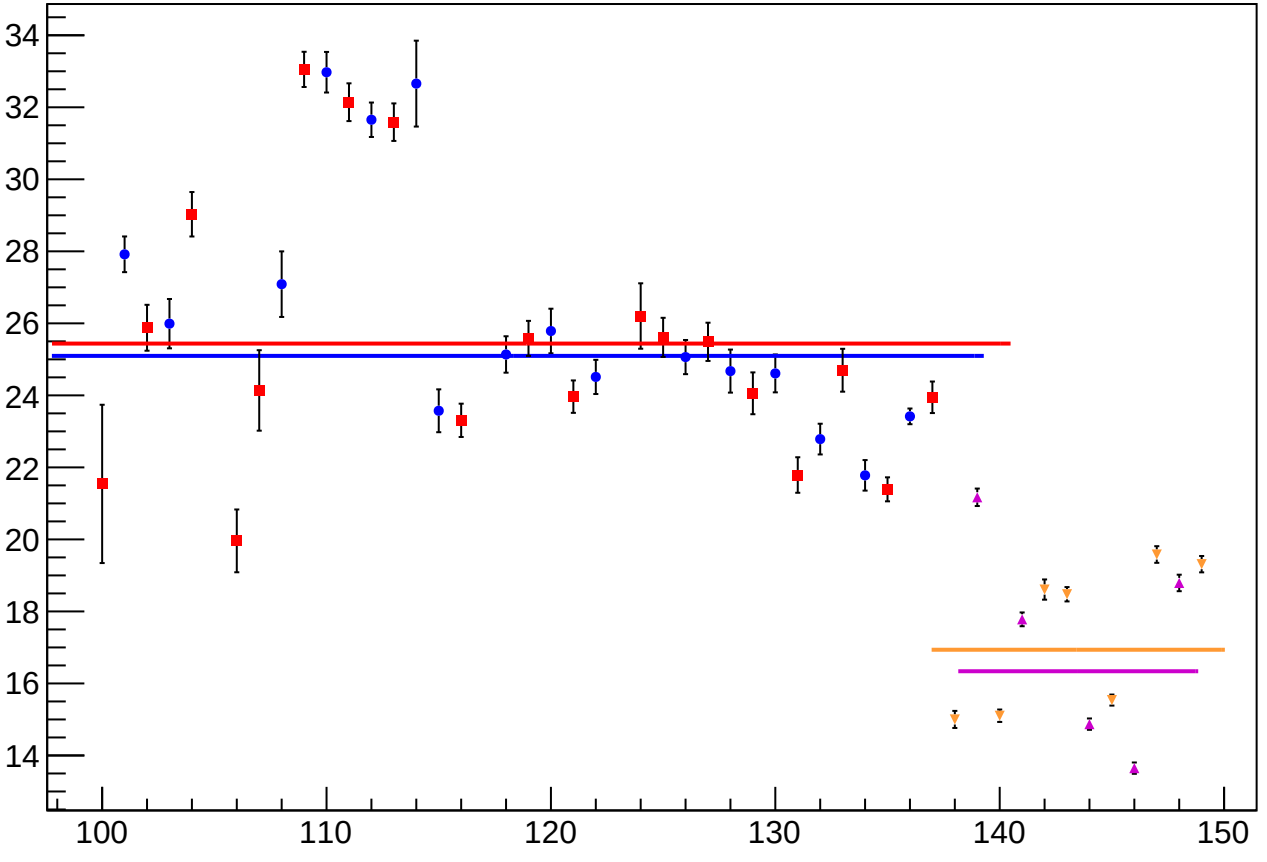
Left In: 1.682+/-0.056 χ^2/NDF:197.1/4

+ sign 1.463+/-0.048 χ^2/NDF: 1152.6/22

All: 1.668+/-0.035 χ^2/NDF: 1871.5/46

- 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: 16.936+/-0.077 χ^2/NDF:598.6/6

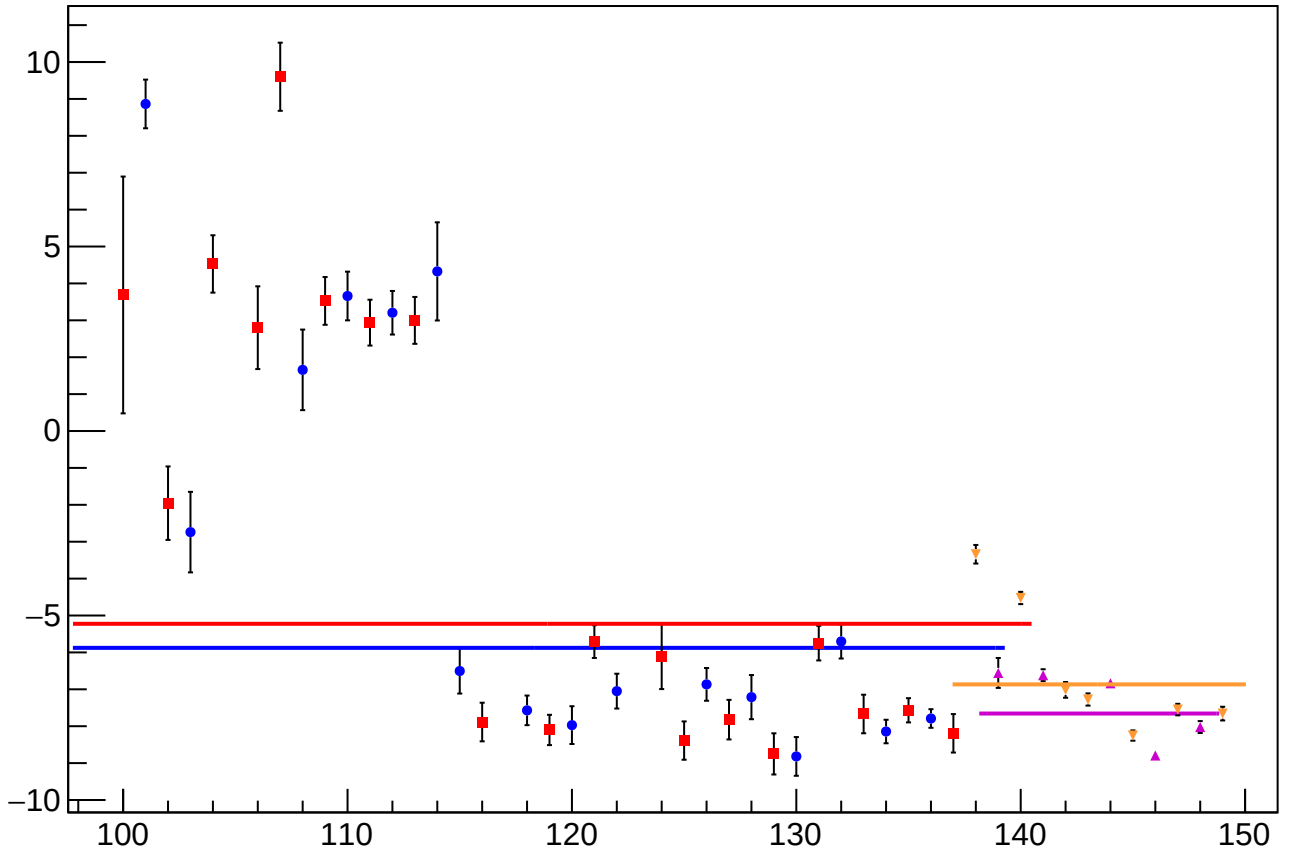
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 16.339+/-0.083 χ^2/NDF:948.9/4

+ sign 19.372+/-0.064 χ^2/NDF: 4602.8/22

All: 19.277+/-0.047 χ^2/NDF: 10143.8/46

- 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: -6.867+/-0.066 χ^2/NDF:535.9/6

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

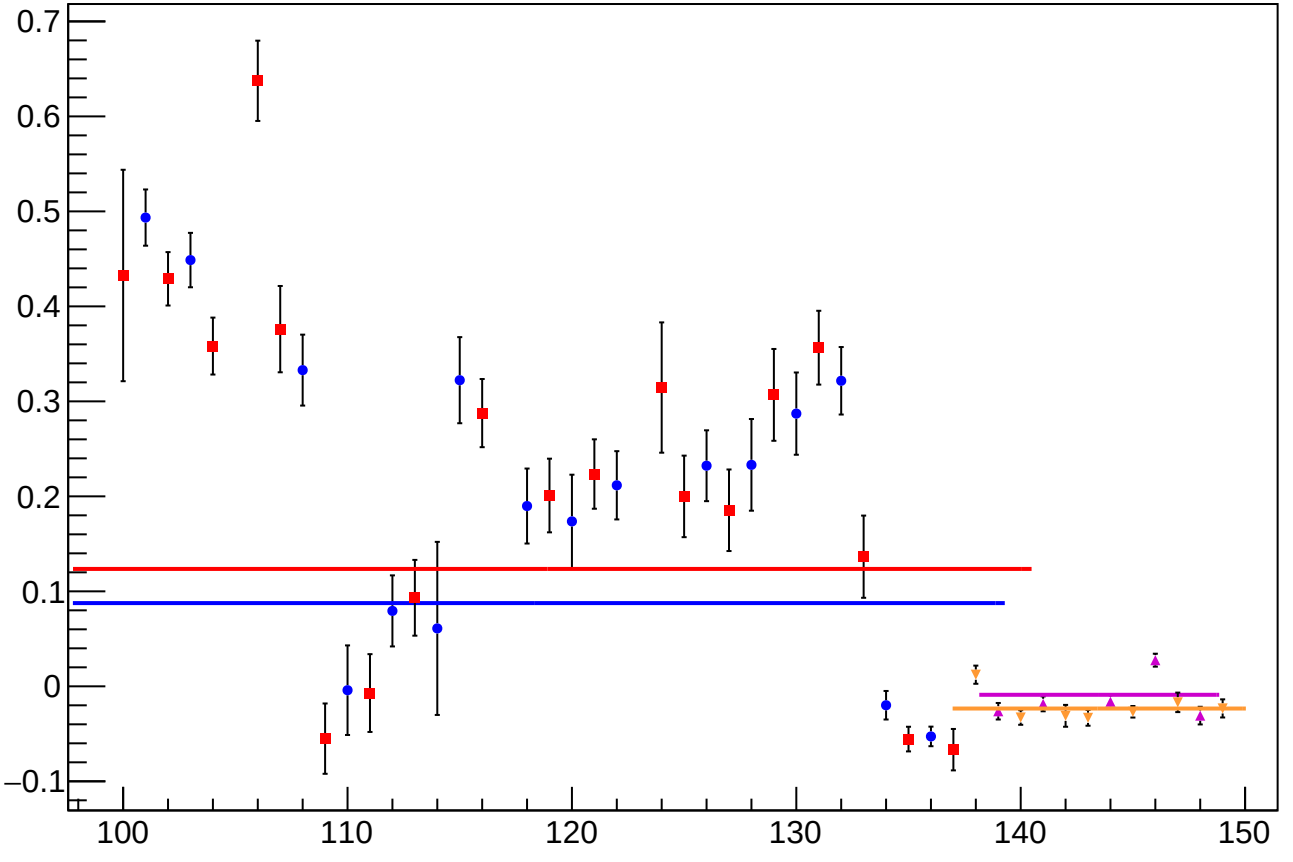
Left In: -7.656+/-0.069 χ^2/NDF:182.2/4

+ sign -6.640+/-0.058 χ^2/NDF: 1839.3/22

All: -6.866+/-0.042 χ^2/NDF: 3620.6/46

- 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:18.0/6

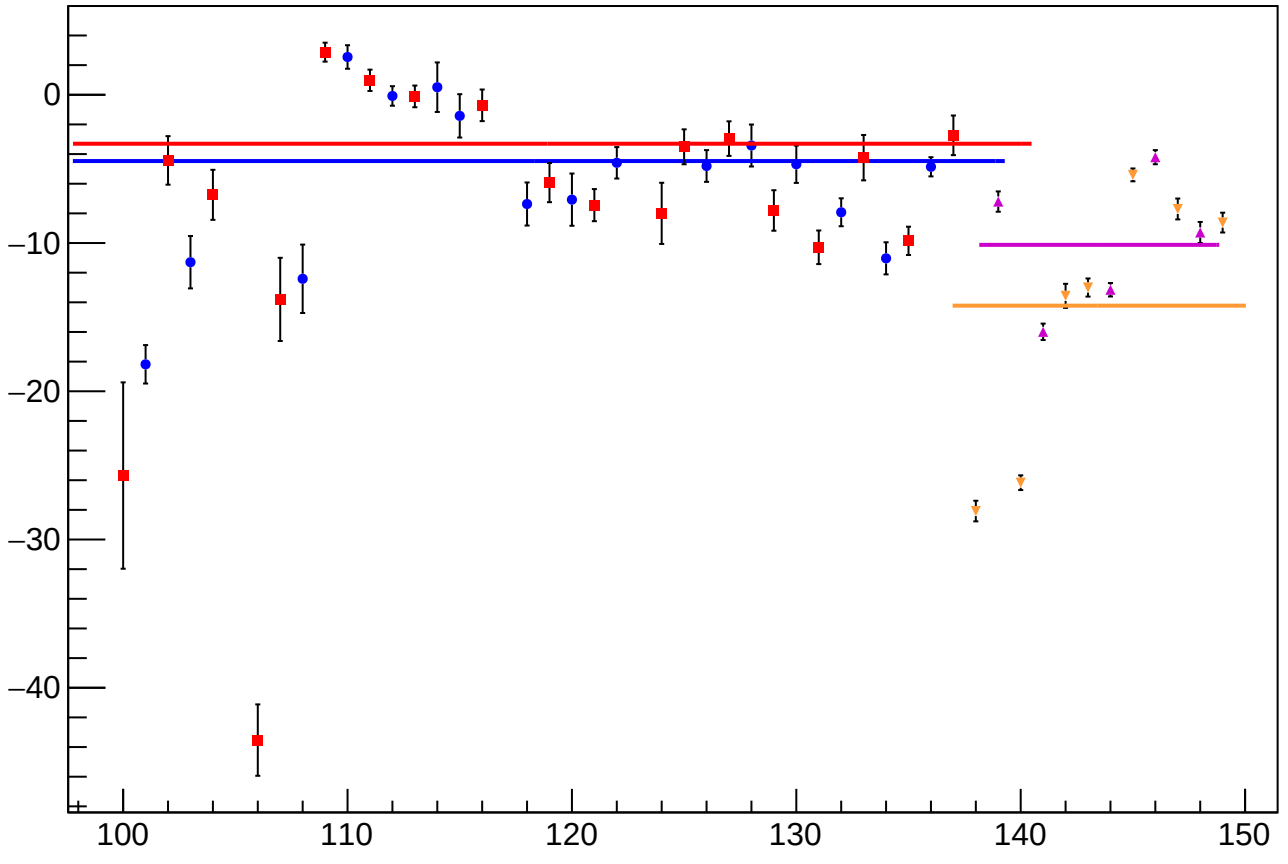
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.009+/-0.003 χ^2/NDF:40.8/4

+ sign -0.002+/-0.003 χ^2/NDF: 1015.4/22

All: 0.006+/-0.002 χ^2/NDF: 2102.4/46

- 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: -14.225+/-0.224 χ^2/NDF:1553.0/6

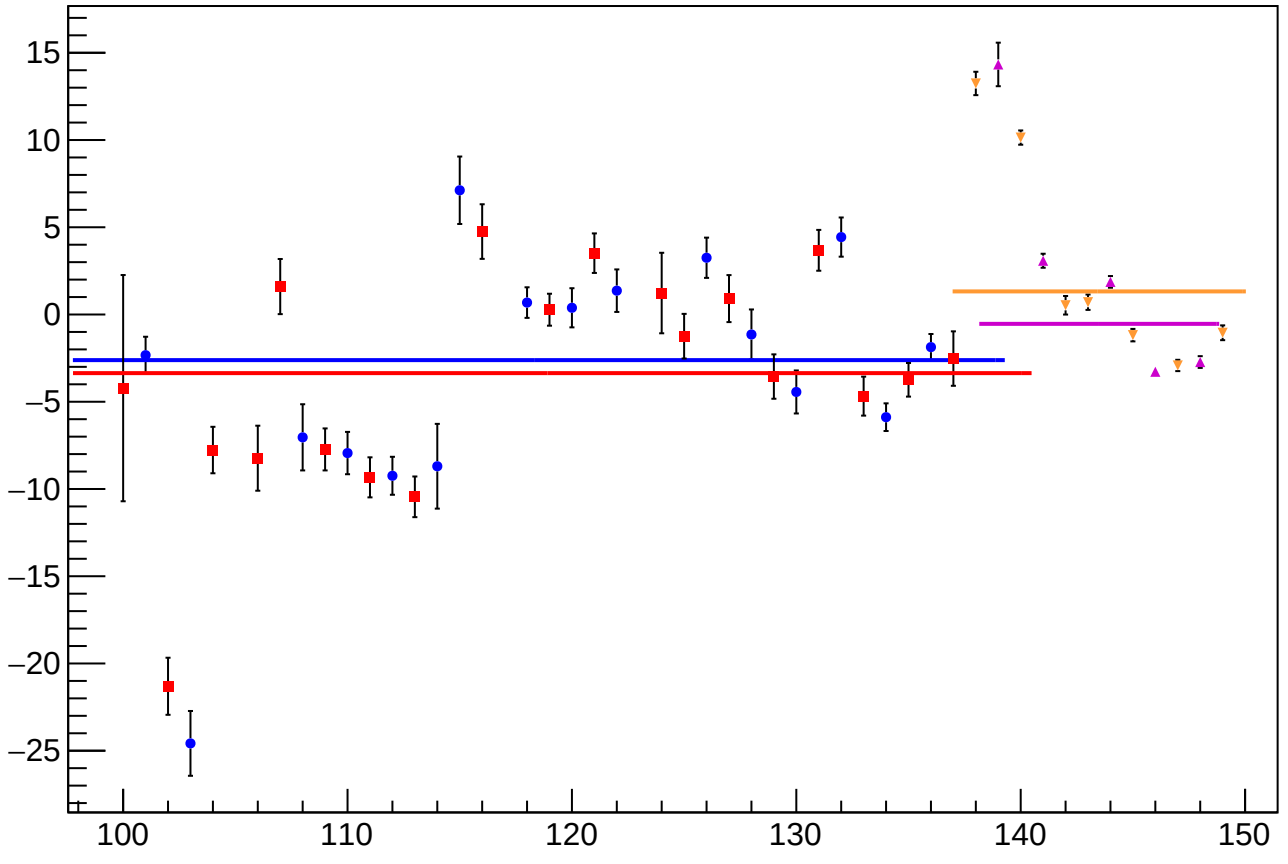
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.124+/-0.245 χ^2/NDF:331.1/4

+ sign -10.220+/-0.172 χ^2/NDF: 2663.1/22

All: -8.635+/-0.124 χ^2/NDF: 4118.6/46

- 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: 1.324+/-0.158 χ^2/NDF:1037.1/6

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

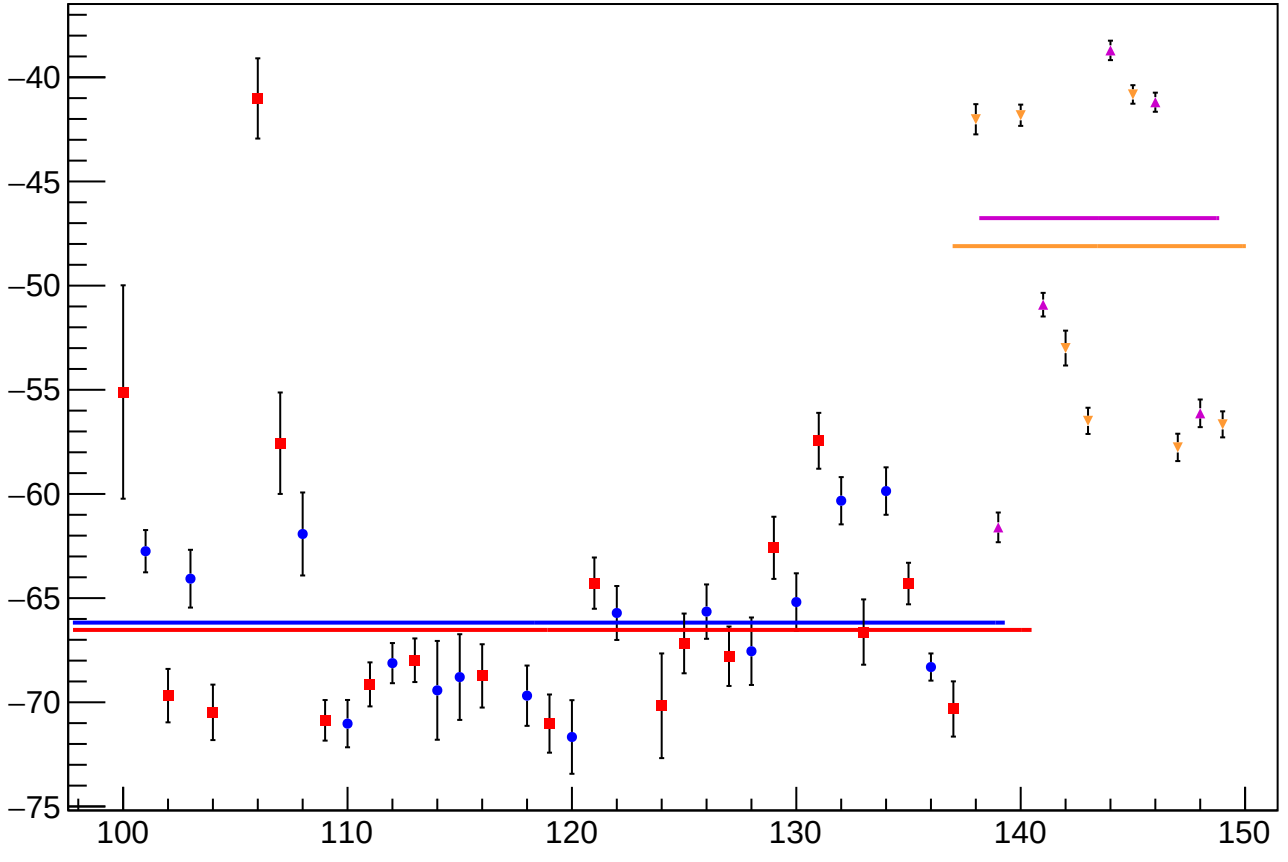
Left In: -0.536+/-0.164 χ^2/NDF:410.9/4

+ sign 0.397+/-0.139 χ^2/NDF: 1534.3/22

All: -0.367+/-0.100 χ^2/NDF: 2436.6/46

- 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: -48.104+/-0.226 χ^2/NDF:1106.1/6

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

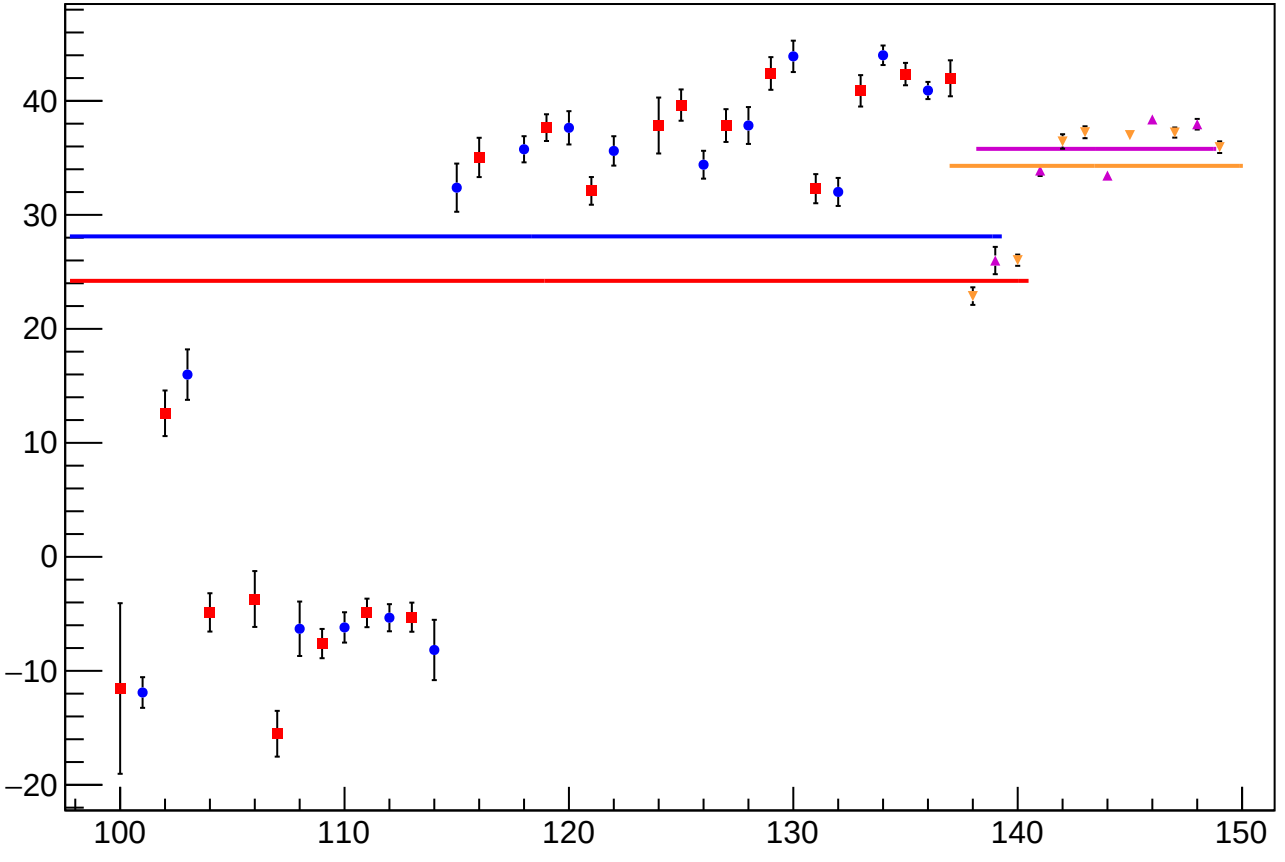
Left In: -46.760+/-0.245 χ^2/NDF:1130.8/4

\+ sign -54.517+/-0.181 χ^2/NDF: 3510.4/22

All: -54.404+/-0.132 χ^2/NDF: 7443.6/46

\- sign -54.277+/-0.193 χ^2/NDF: 3932.4/23

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.300+/-0.193 χ^2/NDF:641.9/6

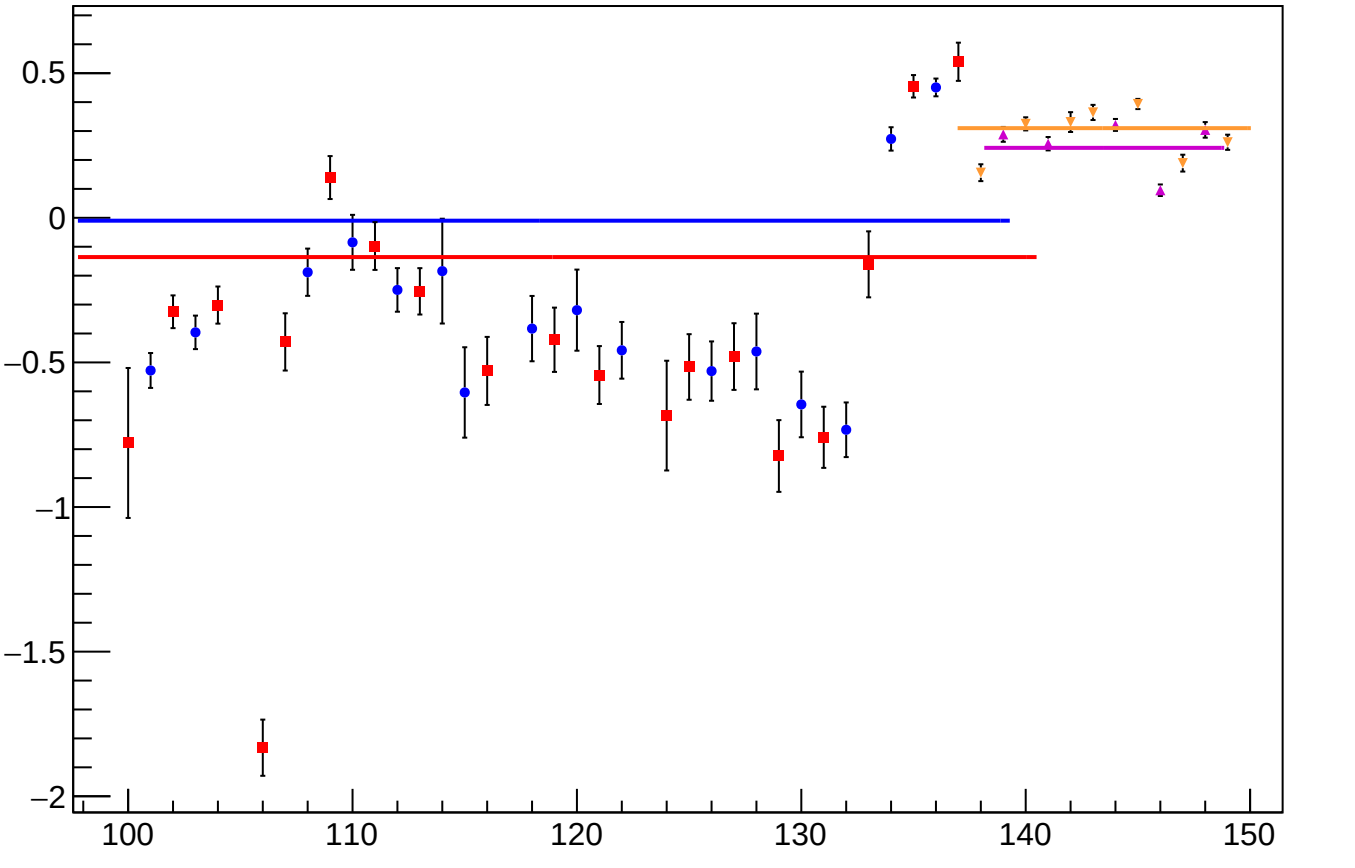
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.791+/-0.204 χ^2/NDF:192.7/4

\+ sign 32.649+/-0.165 χ^2/NDF: 4643.9/22

All: 32.660+/-0.120 χ^2/NDF: 9548.0/46

\- 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: 0.310+/-0.009 χ^2/NDF:76.2/6

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

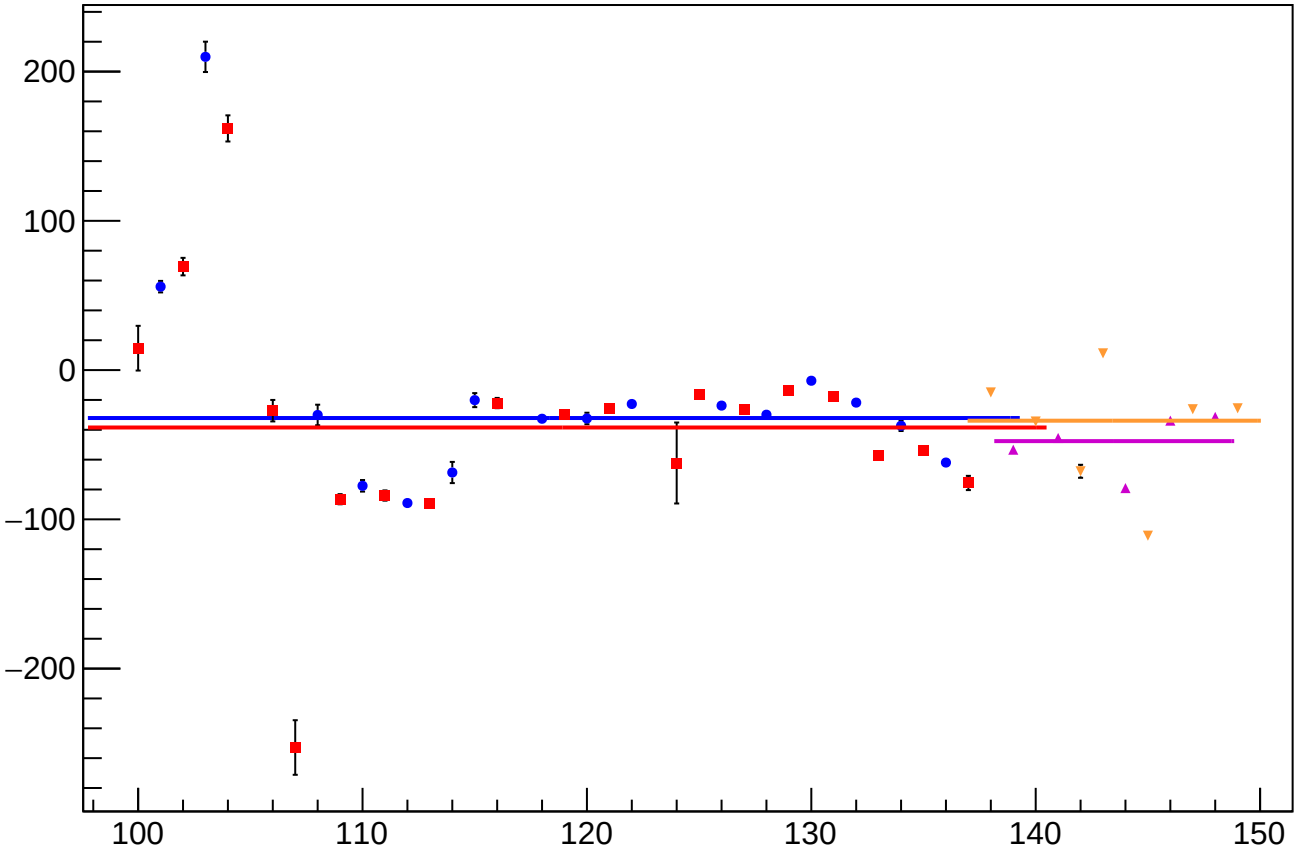
Left In: 0.242+/-0.010 χ^2/NDF:77.8/4

+ sign 0.237+/-0.008 χ^2/NDF: 926.7/22

All: 0.200+/-0.006 χ^2/NDF: 2177.8/46

- 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: -33.905+/-1.106 χ^2/NDF:899.3/6

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

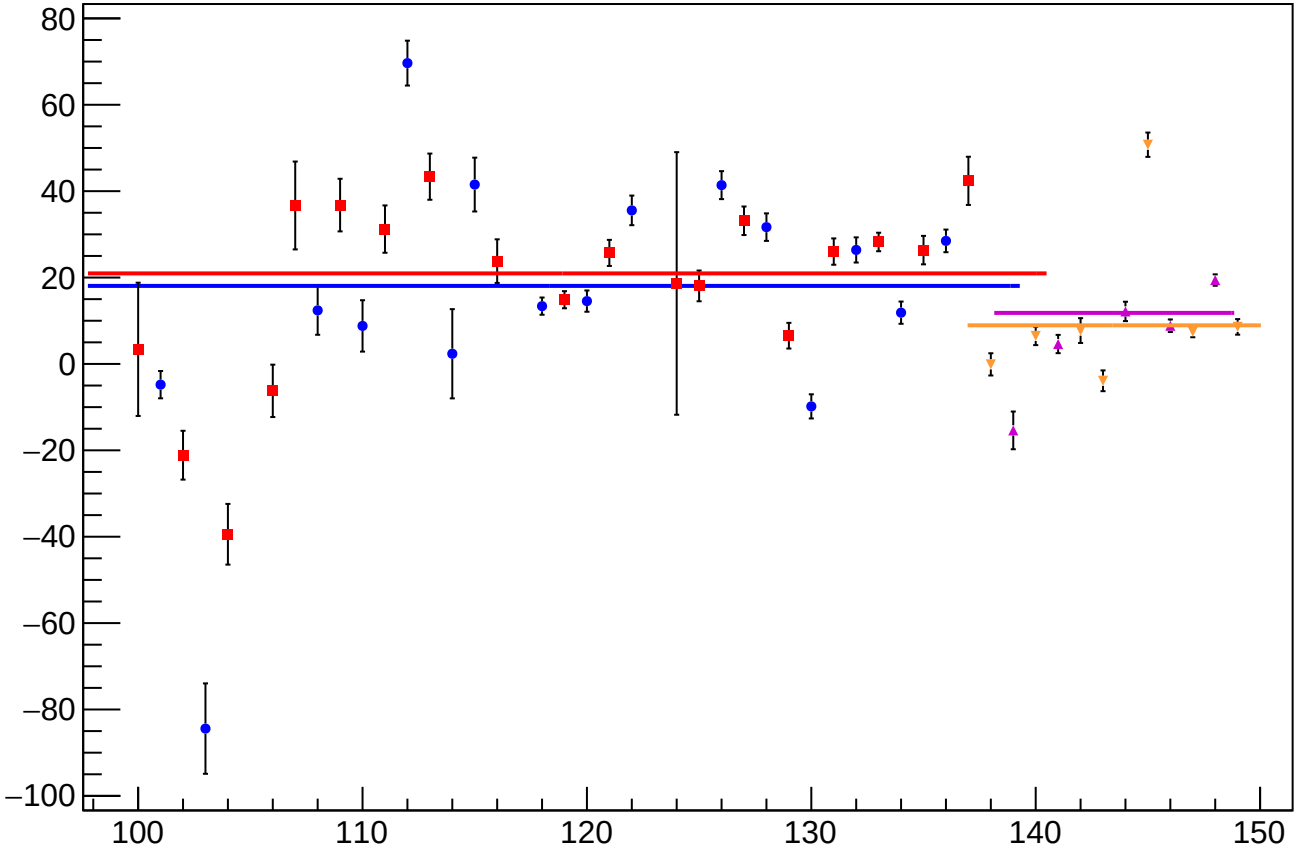
Left In: -47.591+/-1.217 χ^2/NDF:175.1/4

+ sign -32.774+/-0.670 χ^2/NDF: 2778.4/22

All: -36.930+/-0.486 χ^2/NDF: 5044.4/46

- 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: 8.940+/-0.767 χ^2/NDF:264.2/6

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

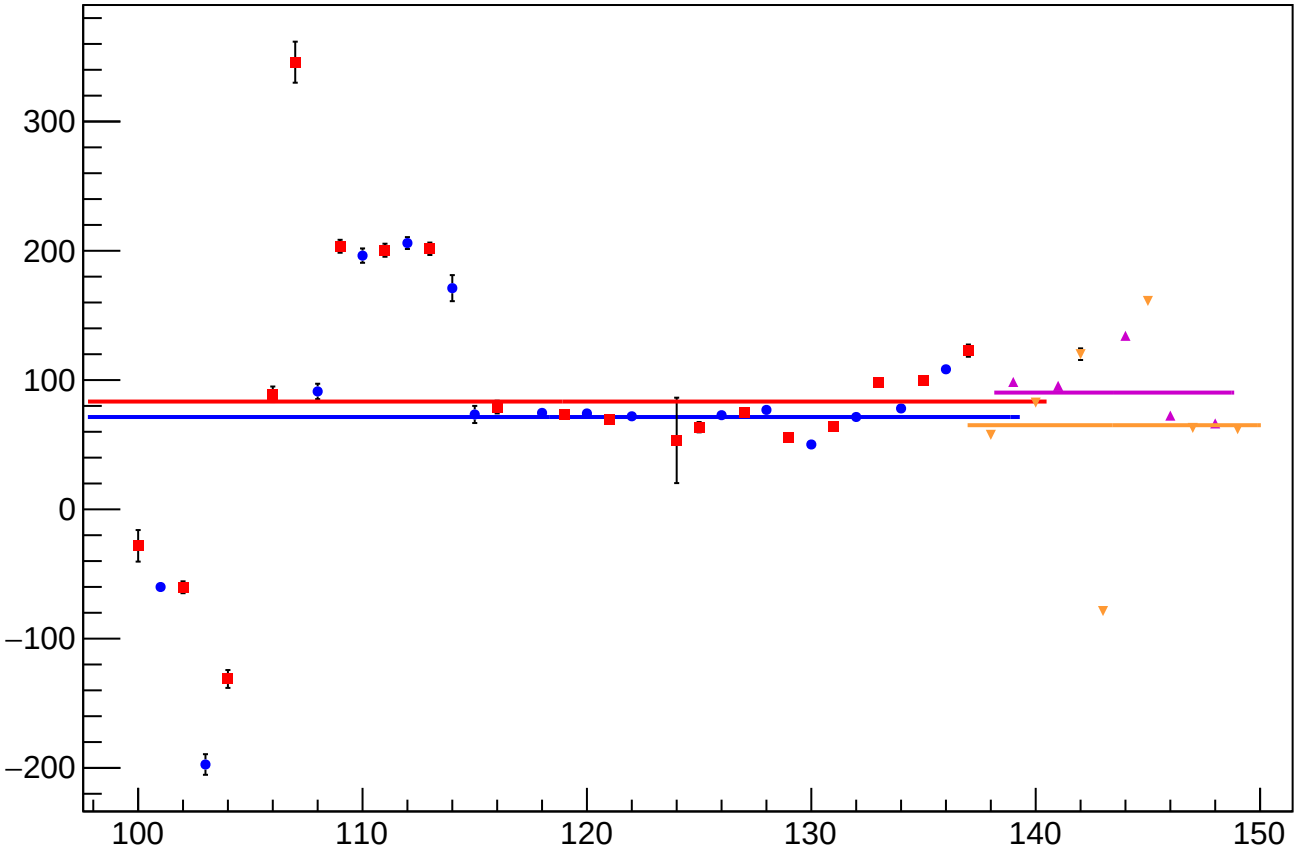
Left In: 11.817+/-0.811 χ^2/NDF:87.8/4

+ sign 13.183+/-0.561 χ^2/NDF: 829.6/22

All: 14.550+/-0.407 χ^2/NDF: 1251.8/46

- 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: 65.090+/-1.103 χ^2/NDF:2871.0/6

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

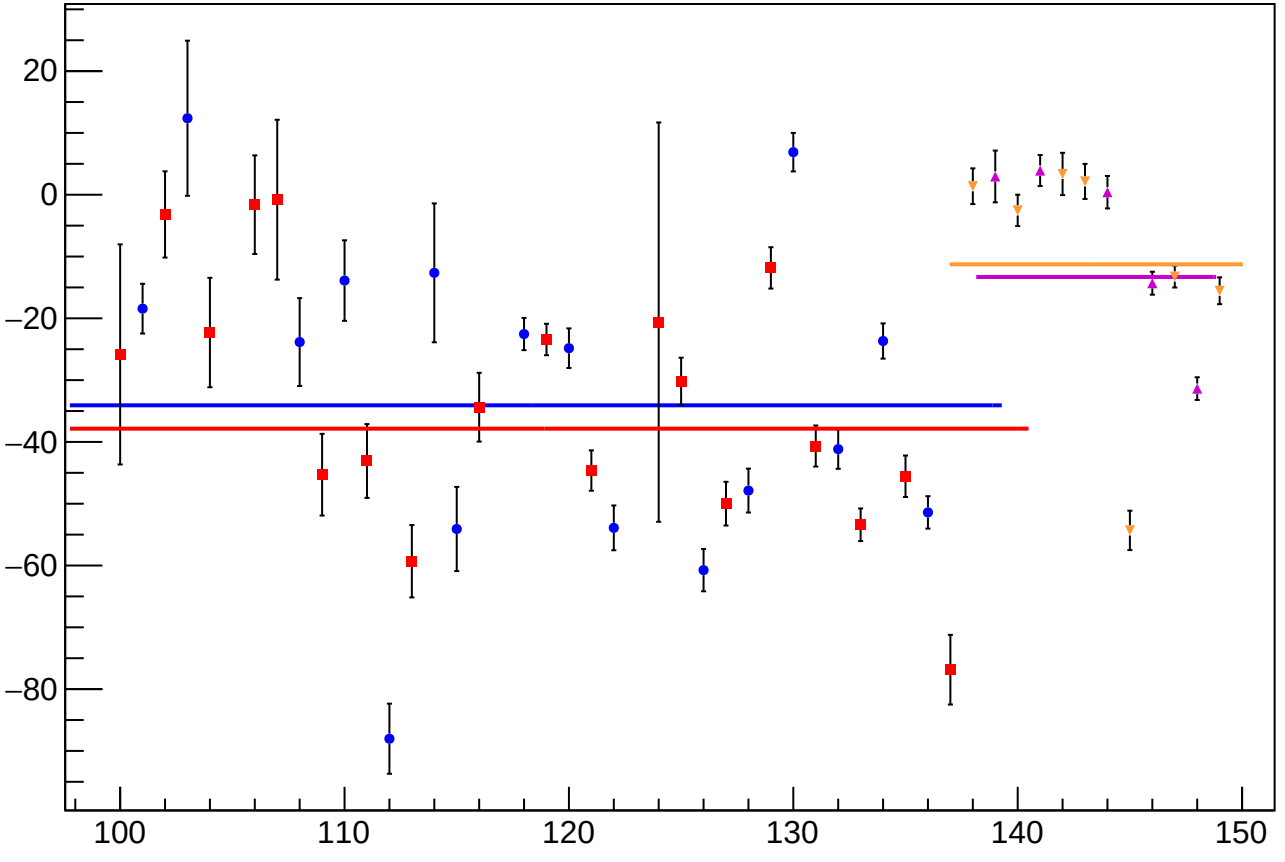
Left In: 90.317+/-1.211 χ^2/NDF:345.6/4

+ sign 68.787+/-0.711 χ^2/NDF: 7709.8/22

All: 76.845+/-0.521 χ^2/NDF: 12648.8/46

- 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: -11.266+/-0.947 χ^2/NDF:259.2/6

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

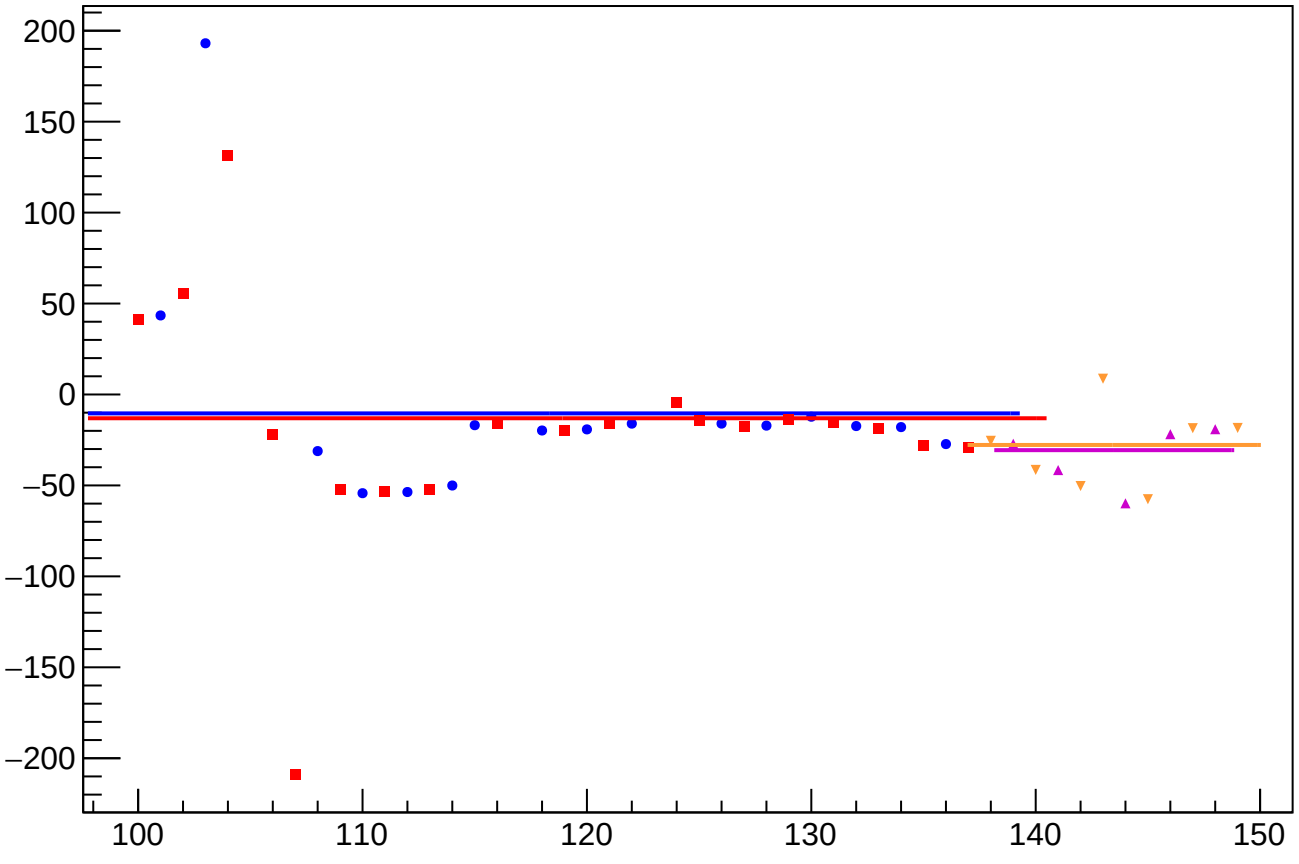
Left In: -13.311+/-1.027 χ^2/NDF:186.6/4

+ sign -22.727+/-0.668 χ^2/NDF: 1062.0/22

All: -24.248+/-0.488 χ^2/NDF: 1829.3/46

- 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: -27.754+/-0.046 χ^2/NDF:164050.5/6

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

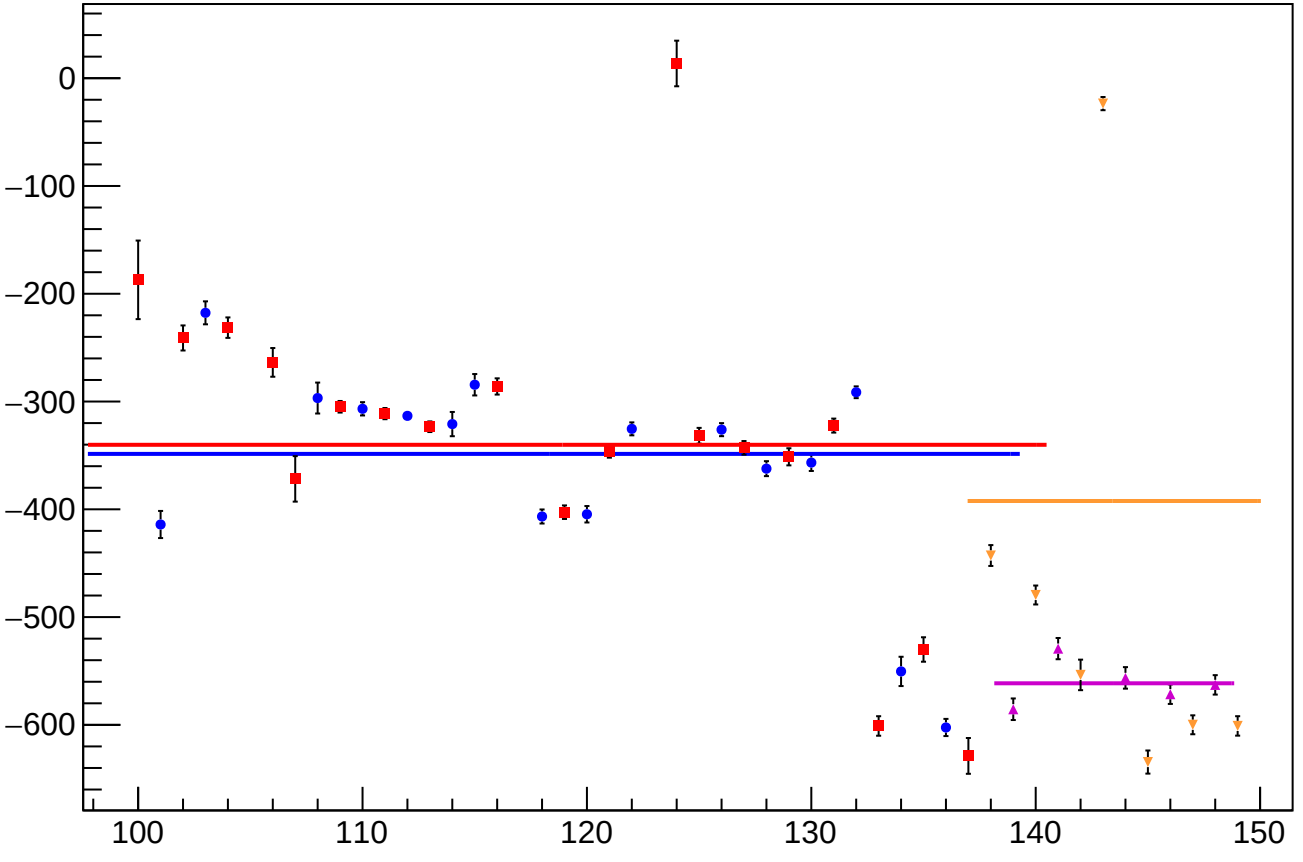
Left In: -30.612+/-0.049 χ^2/NDF:71943.1/4

+ sign -20.867+/-0.036 χ^2/NDF: 742647.4/22

All: -22.316+/-0.026 χ^2/NDF: 1316558.9/46

- 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: -392.287+/-3.347 χ^2/NDF:5488.8/6

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

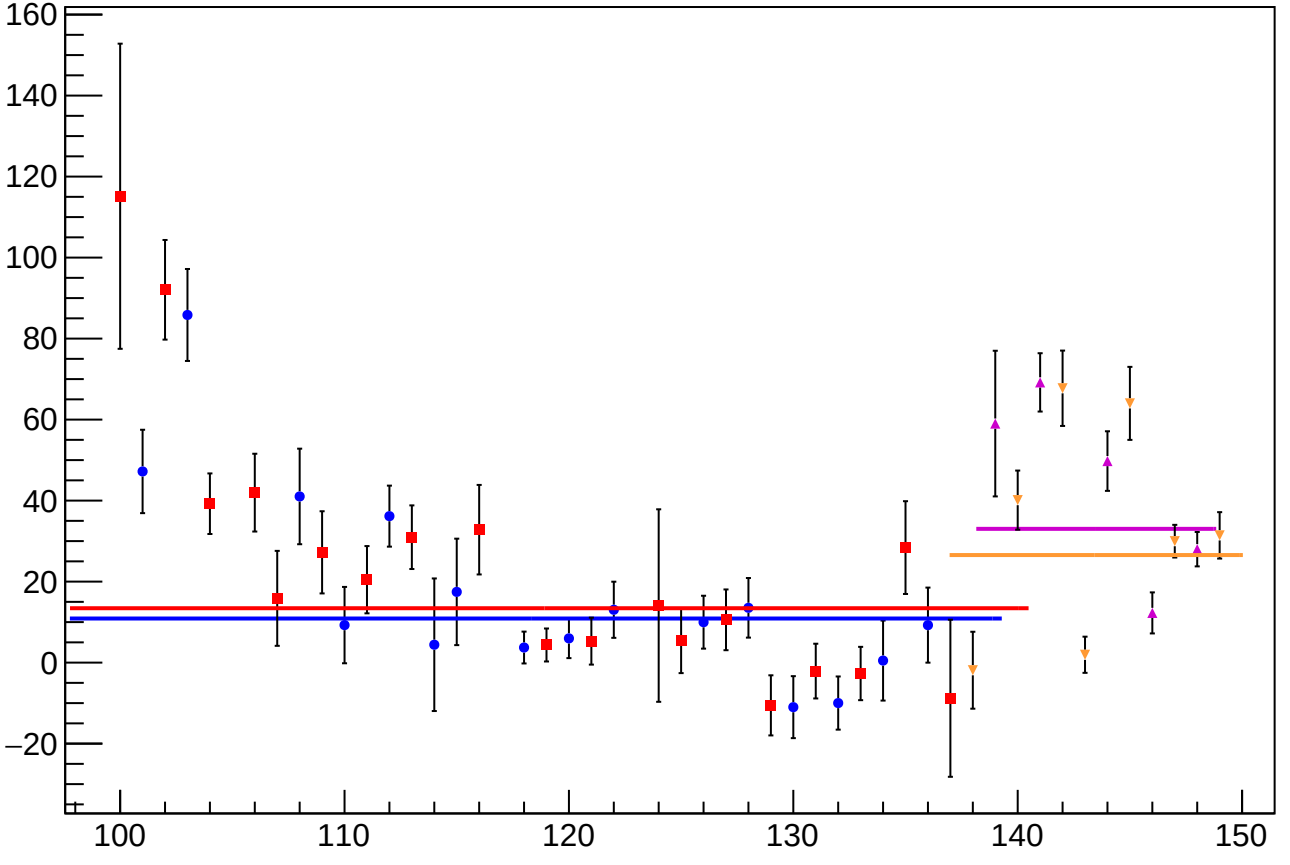
Left In: -561.427+/-4.271 χ^2/NDF:18.0/4

+ sign -358.598+/-1.602 χ^2/NDF: 7478.5/22

All: -365.315+/-1.141 χ^2/NDF: 12023.7/46

- 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: 26.556+/-2.260 χ^2/NDF:81.1/6

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

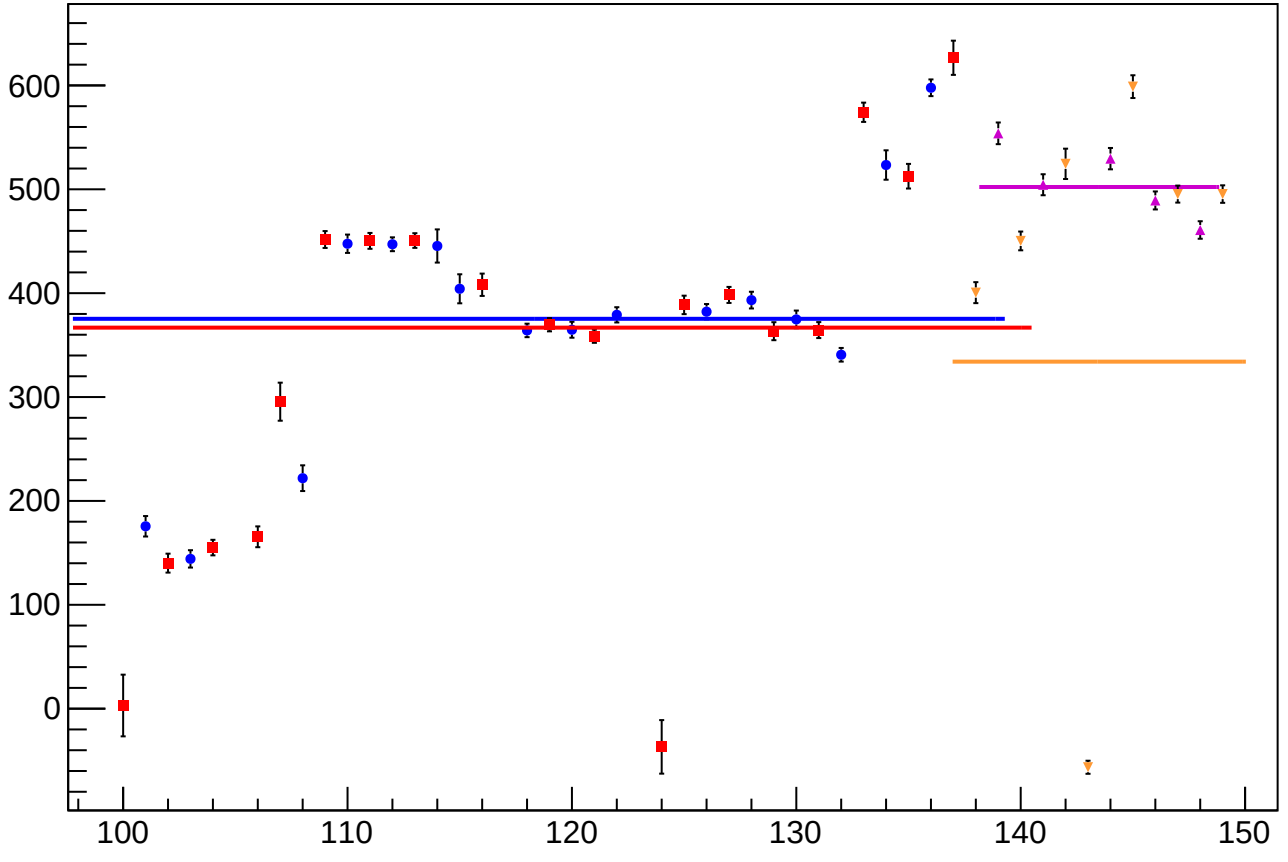
Left In: 33.025+/-2.719 χ^2/NDF:50.7/4

+ sign 17.145+/-1.428 χ^2/NDF: 208.2/22

All: 18.310+/-1.045 χ^2/NDF: 408.2/46

- 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: 334.082+/-3.347 χ^2/NDF:5562.6/6

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

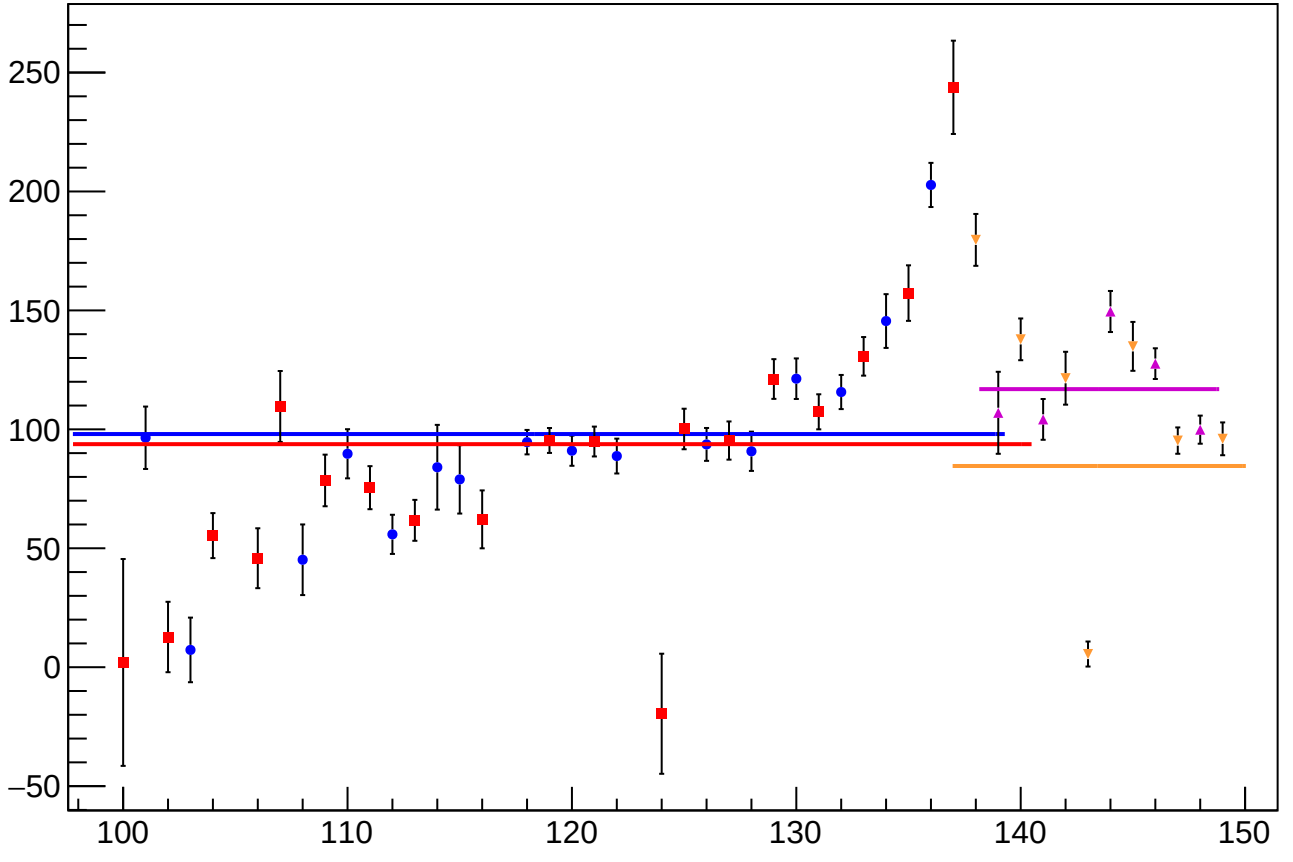
Left In: 502.217+/-4.233 χ^2/NDF:57.9/4

\+ sign 363.648+/-1.780 χ^2/NDF: 8121.0/22

All: 377.582+/-1.281 χ^2/NDF: 12675.6/46

\- 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: 84.591+/-2.787 χ^2/NDF:379.9/6

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

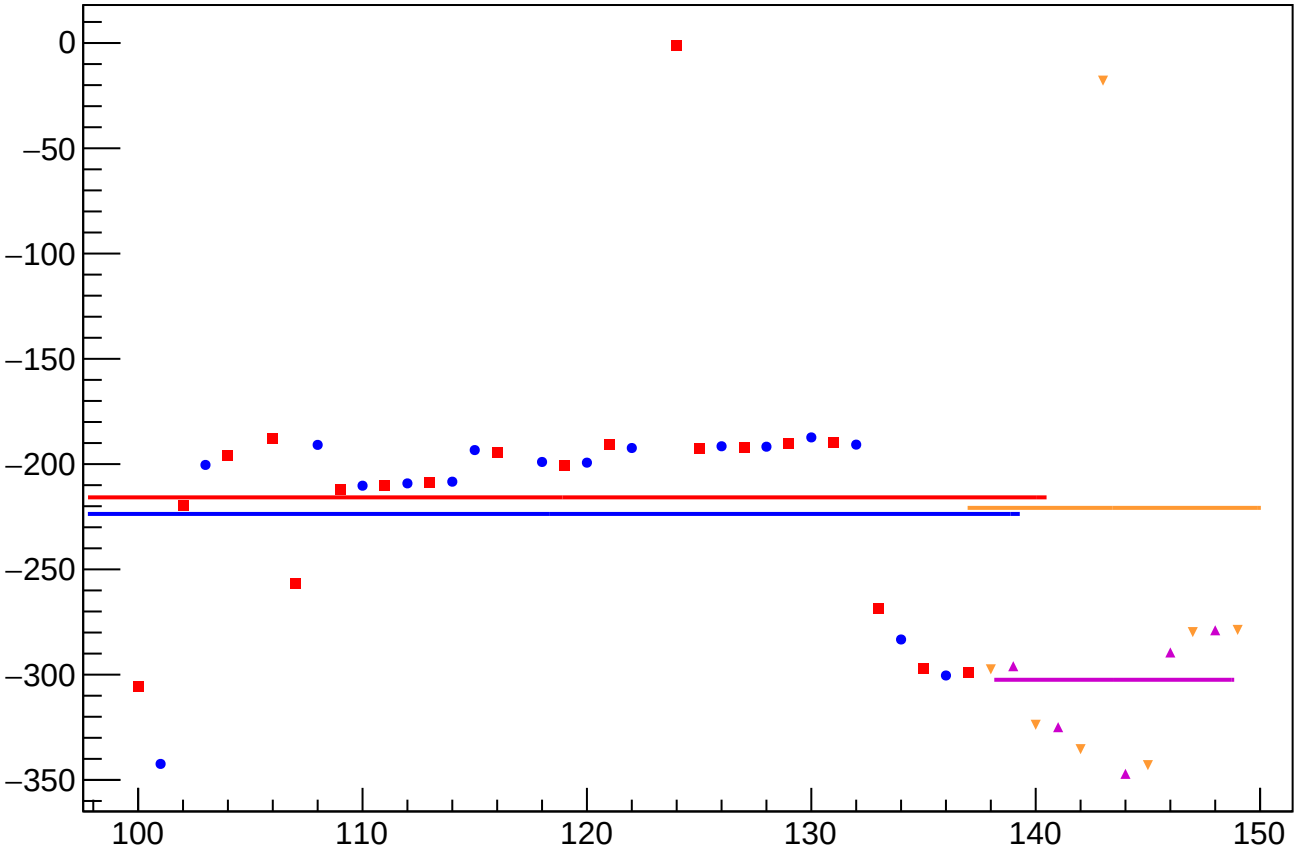
Left In: 116.907+/-3.470 χ^2/NDF:27.9/4

+ sign 93.028+/-1.699 χ^2/NDF: 643.9/22

All: 96.339+/-1.242 χ^2/NDF: 949.3/46

- 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: -220.784+/-0.141 χ^2/NDF:872450.1/6

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

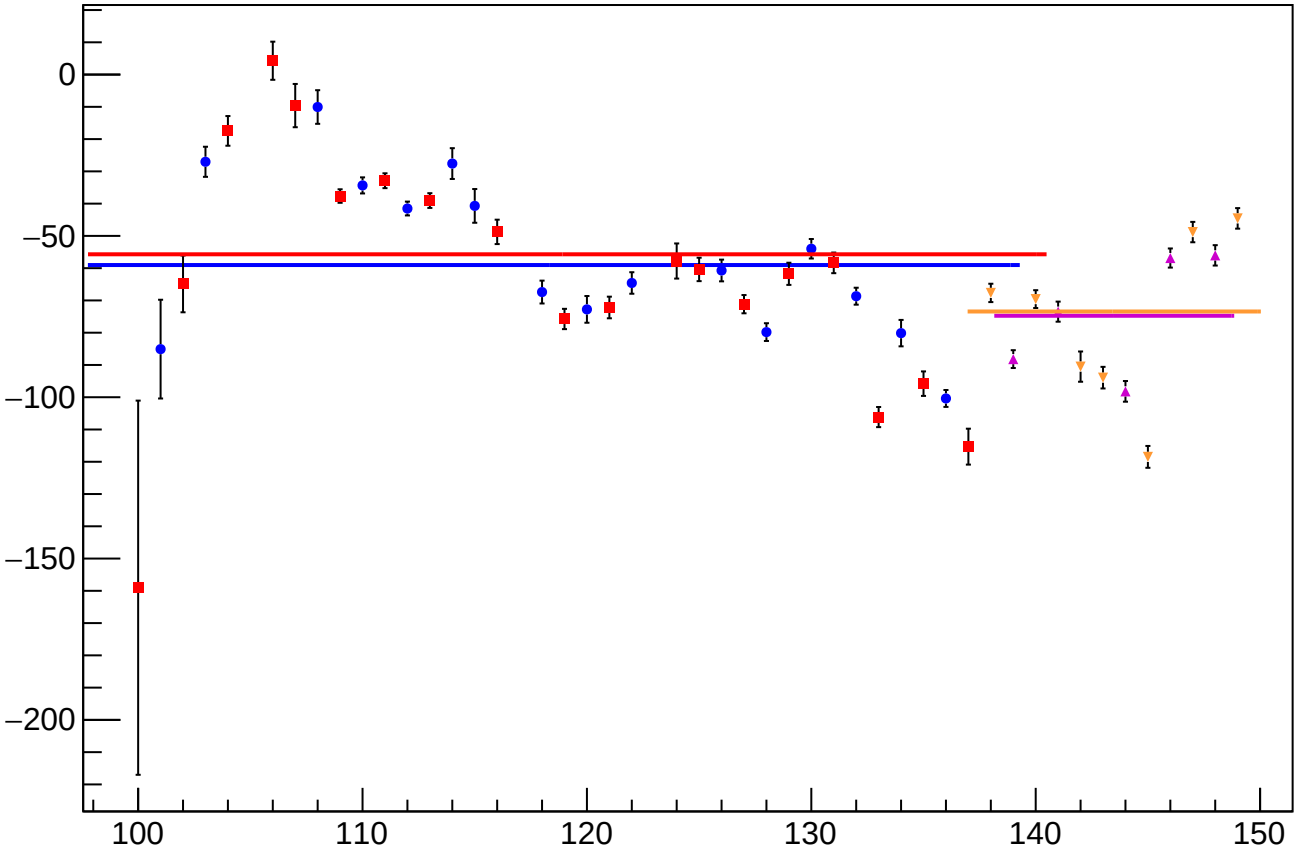
Left In: -302.435+/-0.173 χ^2/NDF:18600.3/4

+ sign -222.251+/-0.099 χ^2/NDF: 994191.7/22

All: -234.406+/-0.072 χ^2/NDF: 1283816.5/46

- 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: -73.427+/-1.217 χ^2/NDF:376.6/6

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

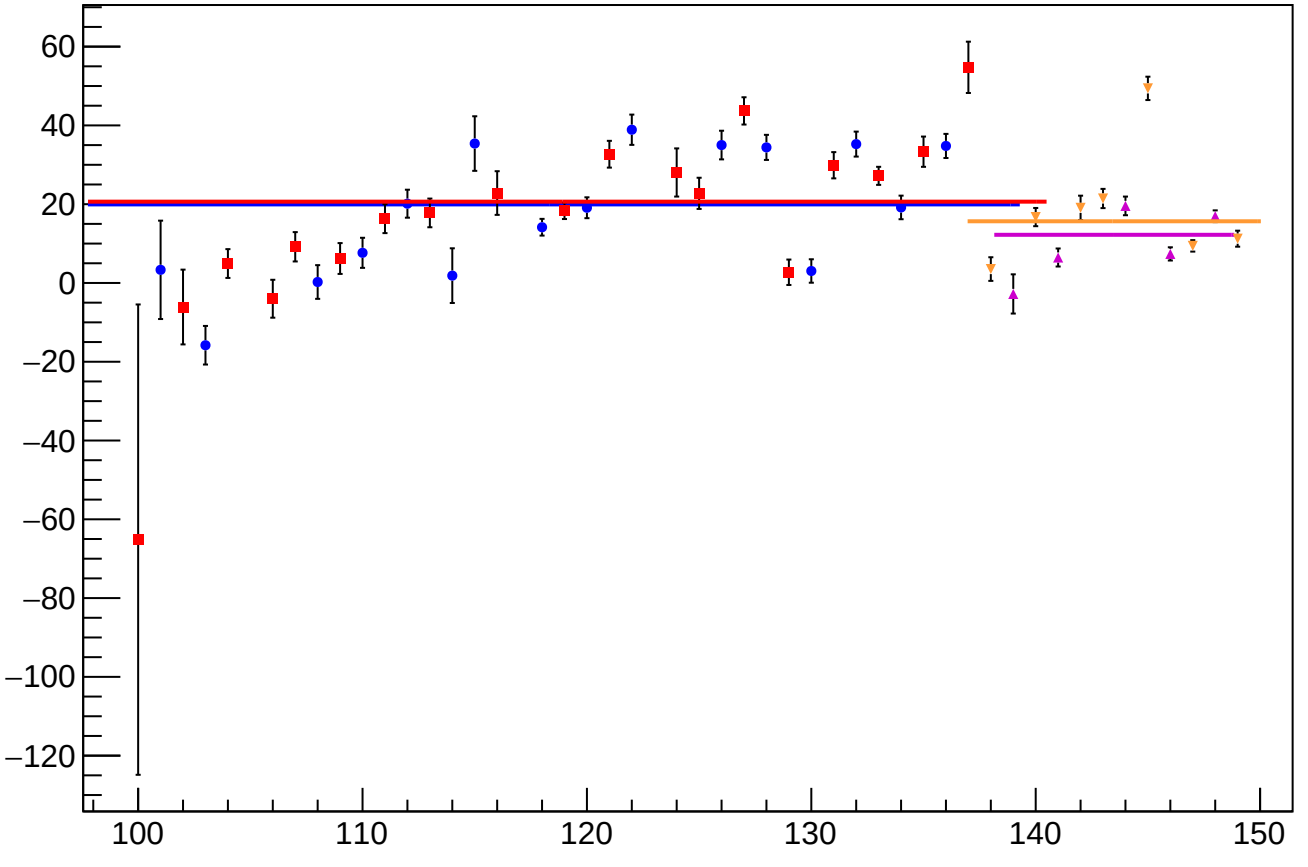
Left In: -74.747+/-1.354 χ^2/NDF:148.8/4

+ sign -63.596+/-0.685 χ^2/NDF: 1199.4/22

All: -62.060+/-0.484 χ^2/NDF: 2547.0/46

- 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: 15.660+/-0.845 χ^2/NDF:176.1/6

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

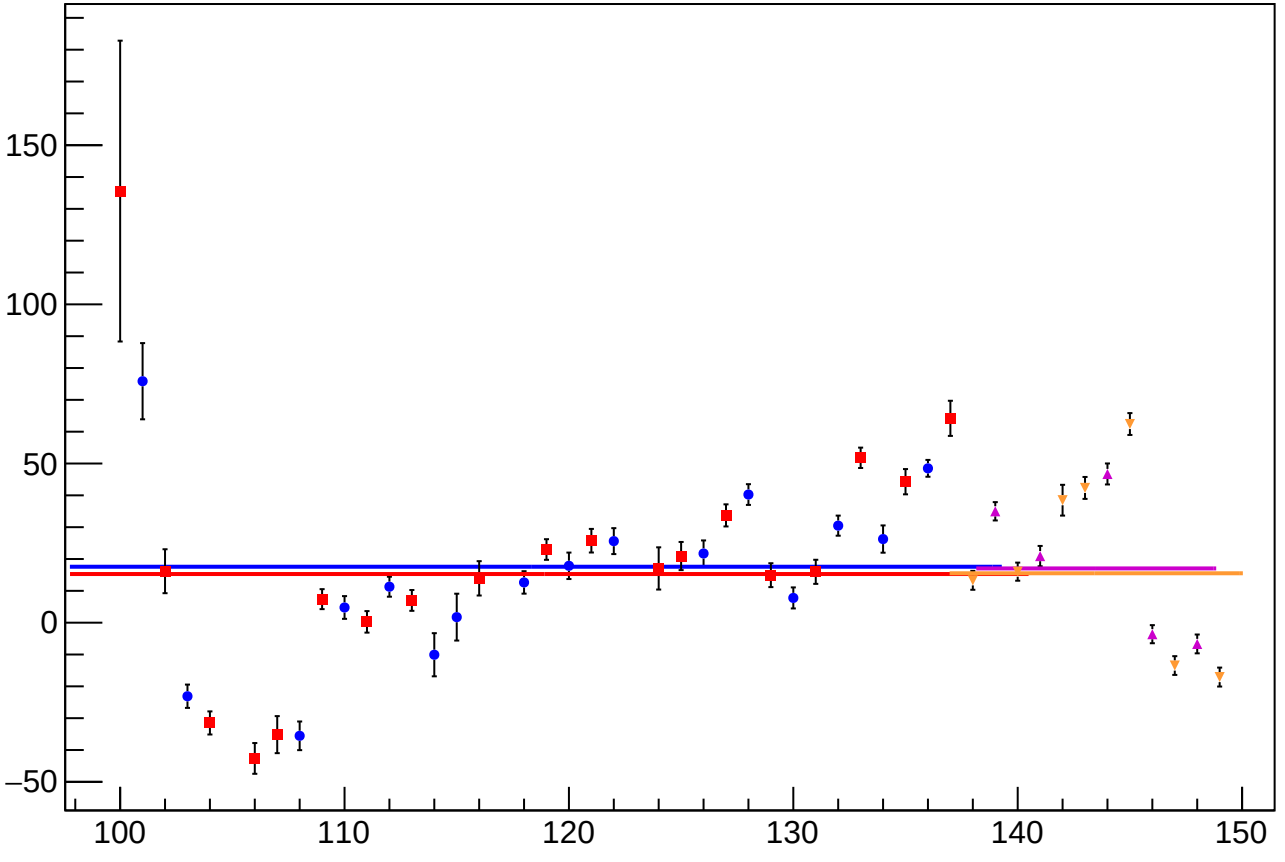
Left In: 12.227+/-0.908 χ^2/NDF:43.4/4

+ sign 17.748+/-0.605 χ^2/NDF: 435.8/22

All: 17.255+/-0.432 χ^2/NDF: 751.3/46

- 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: 15.520+/-1.215 χ^2/NDF:487.1/6

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

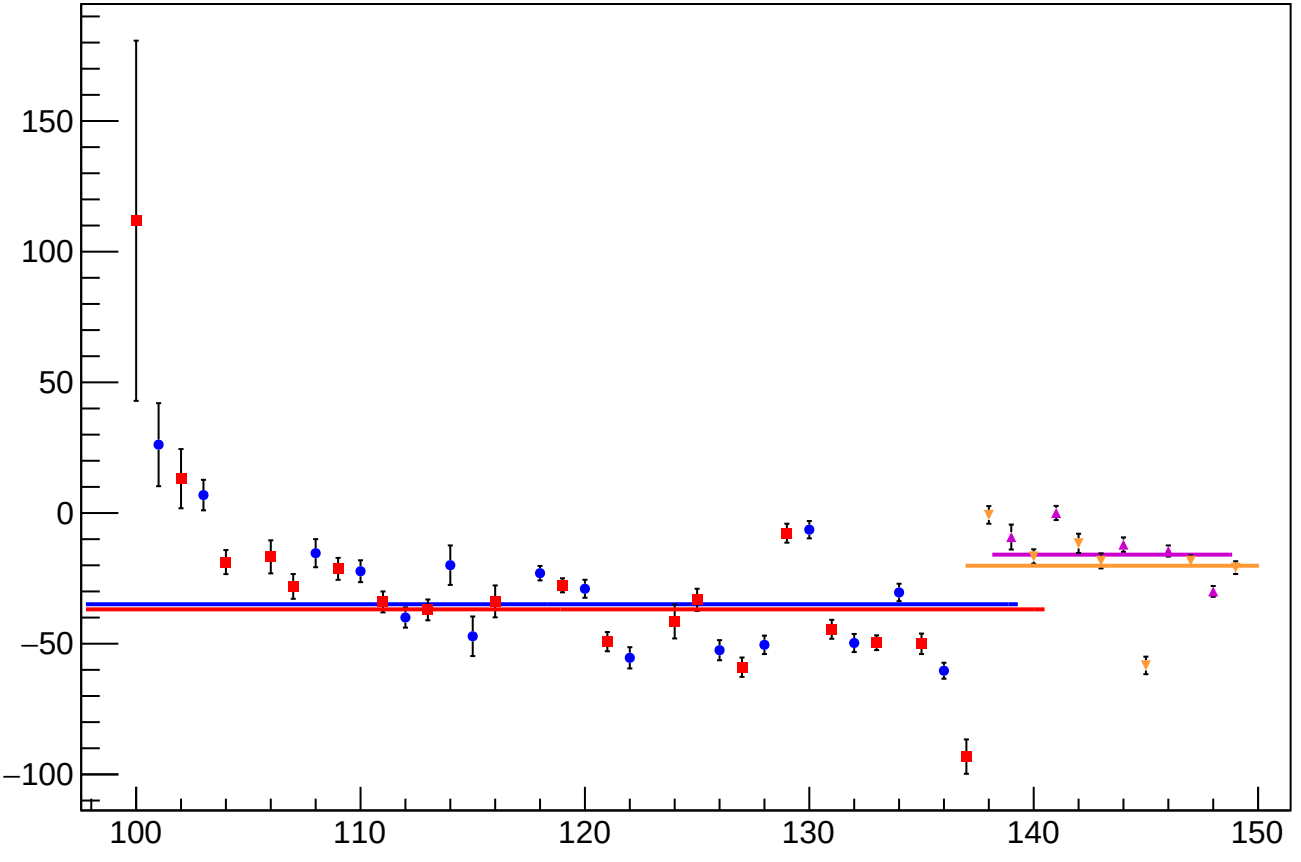
Left In: 17.043+/-1.350 χ^2/NDF:238.4/4

+ sign 16.788+/-0.752 χ^2/NDF: 1035.0/22

All: 16.331+/-0.537 χ^2/NDF: 2005.4/46

- 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: -20.164+/-1.042 χ^2/NDF:171.0/6

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

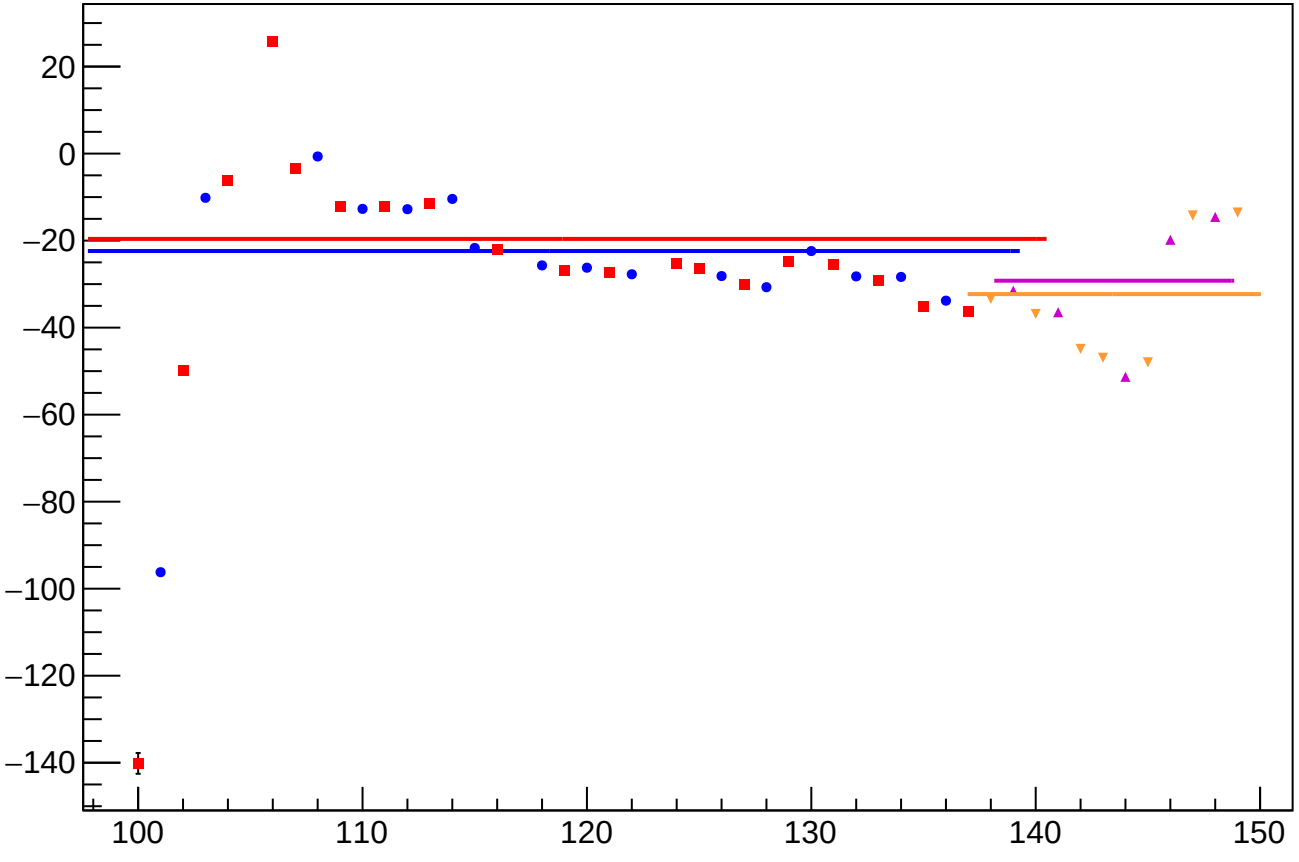
Left In: -15.925+/-1.146 χ^2/NDF:84.8/4

+ sign -27.904+/-0.718 χ^2/NDF: 622.7/22

All: -28.010+/-0.515 χ^2/NDF: 1203.3/46

- 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: -32.294+/-0.051 χ^2/NDF:71028.5/6

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

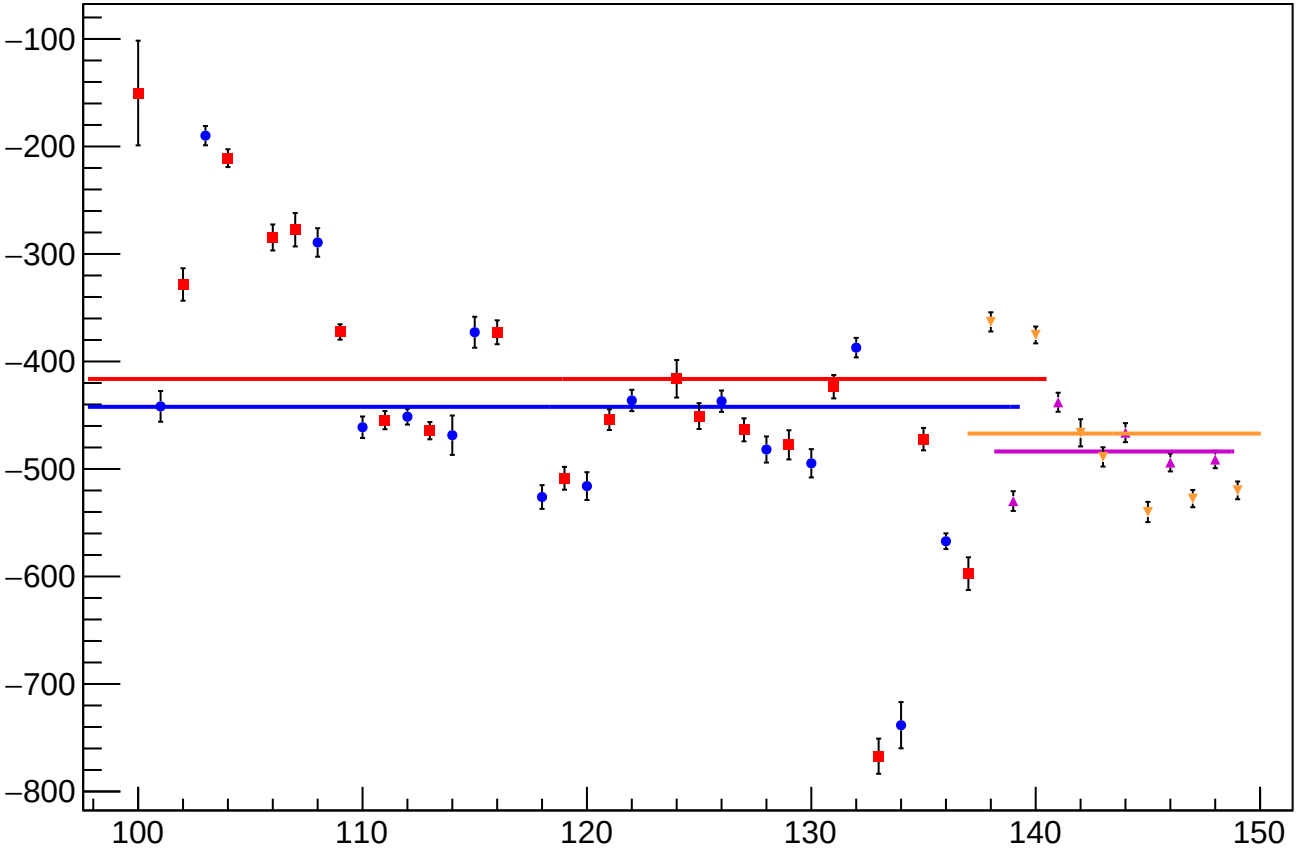
Left In: -29.219+/-0.055 χ^2/NDF:46961.3/4

+ sign -28.023+/-0.038 χ^2/NDF: 133950.8/22

All: -26.503+/-0.028 χ^2/NDF: 282298.7/46

- 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: -467.053+/-3.352 χ^2/NDF:436.4/6

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

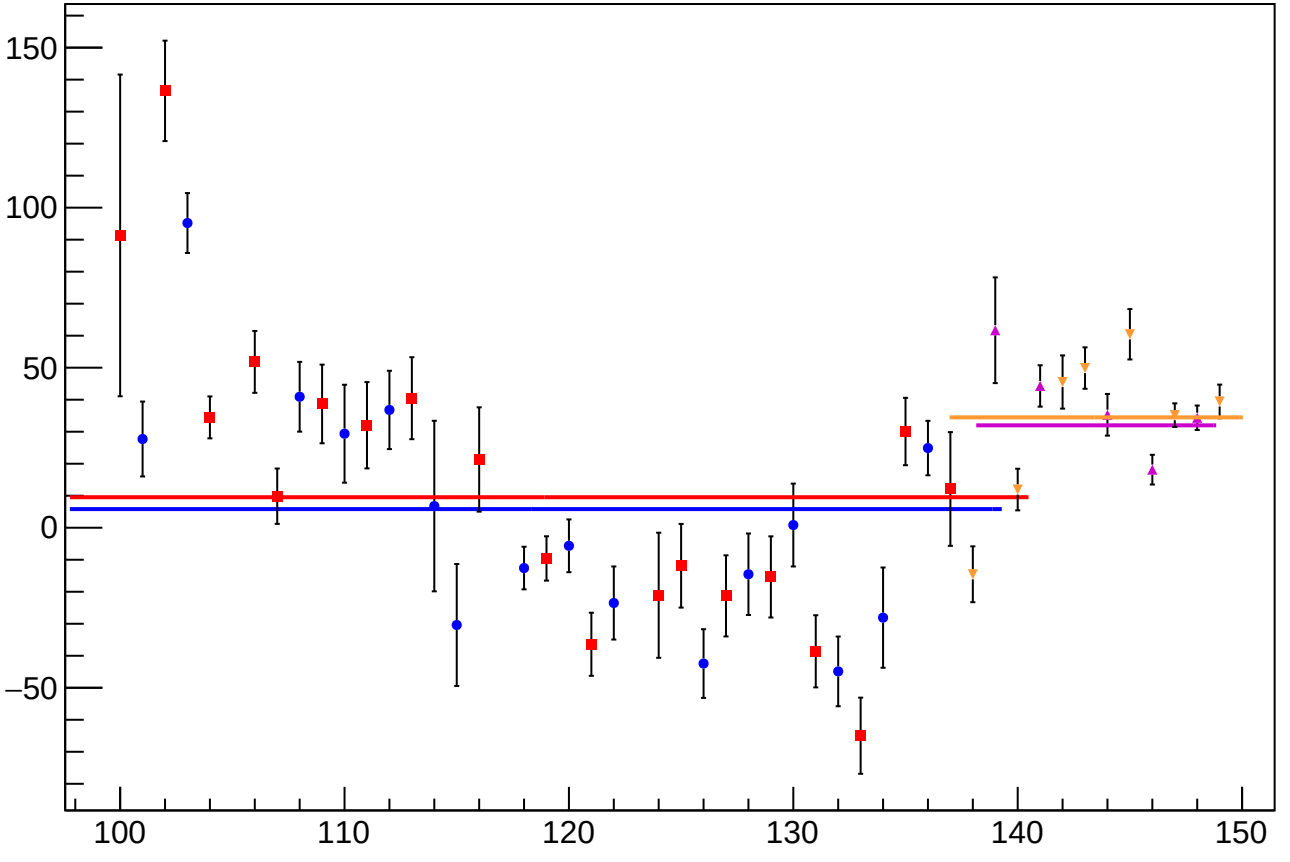
Left In: -483.727+/-3.859 χ^2/NDF:58.4/4

+ sign -451.888+/-2.094 χ^2/NDF: 2059.0/22

All: -444.236+/-1.487 χ^2/NDF: 4112.3/46

- 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: 34.482+/-2.230 χ^2/NDF:62.8/6

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

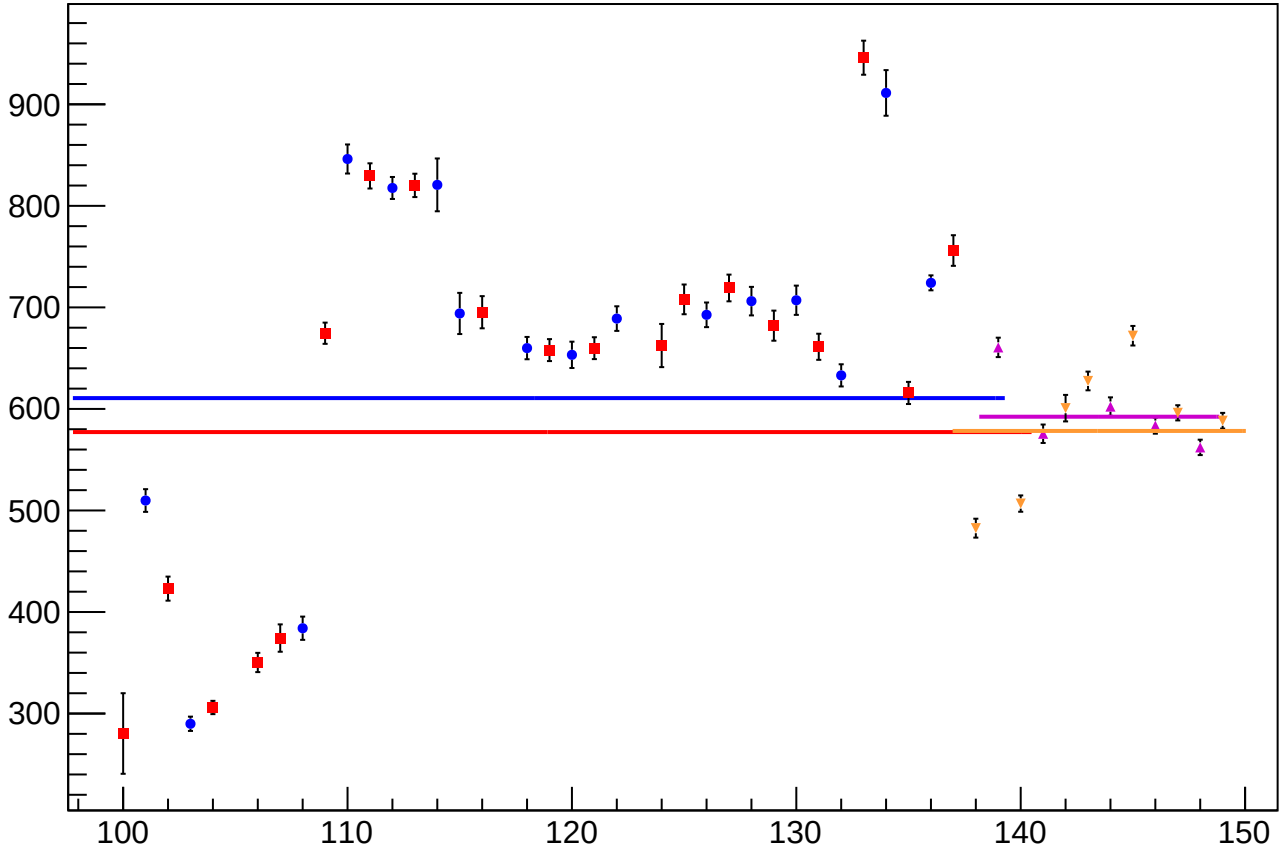
Left In: 31.995+/-2.452 χ^2/NDF:16.4/4

+ sign 23.001+/-1.727 χ^2/NDF: 317.1/22

All: 22.138+/-1.236 χ^2/NDF: 596.4/46

- 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: 578.315+/-3.334 χ^2/NDF:318.3/6

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

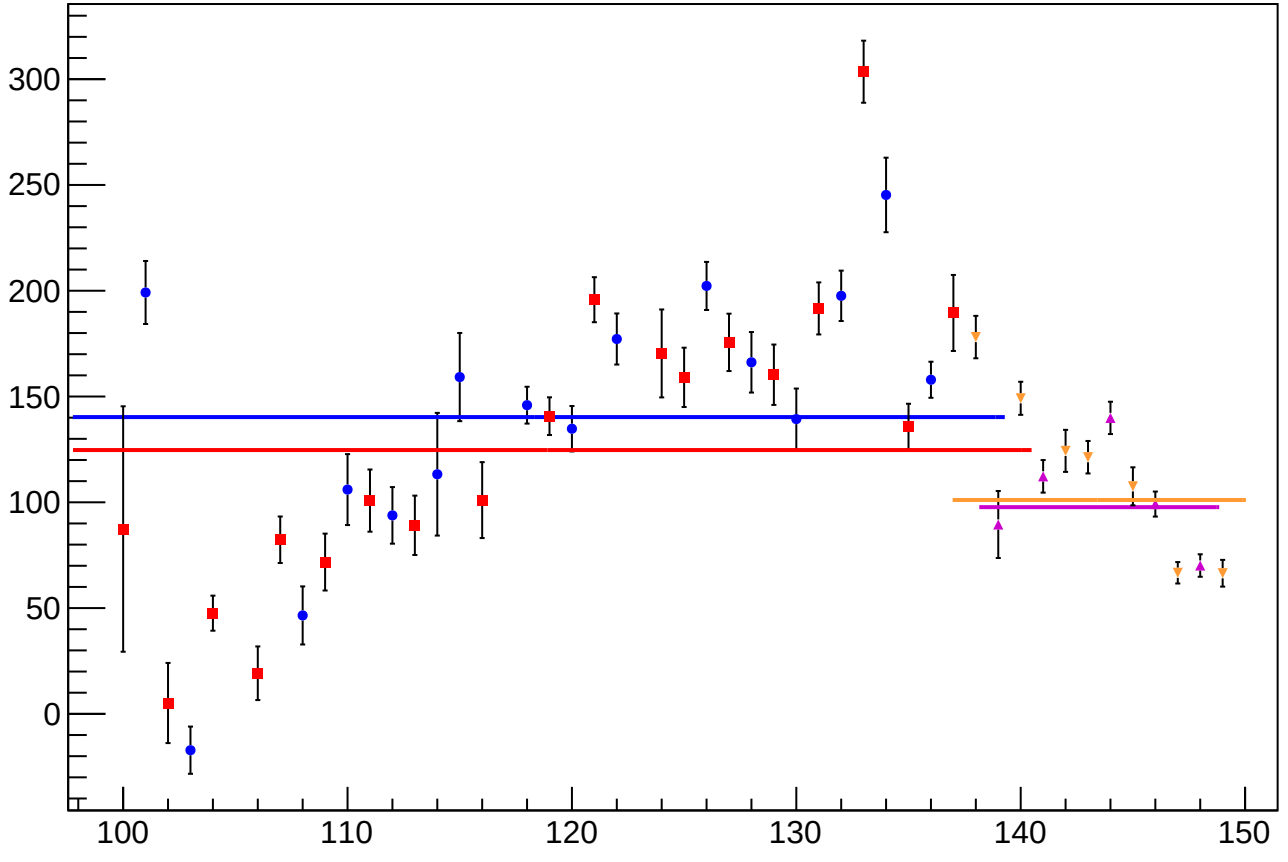
Left In: 592.337+/-3.825 χ^2/NDF:72.7/4

+ sign 596.772+/-2.185 χ^2/NDF: 4264.6/22

All: 589.738+/-1.562 χ^2/NDF: 9169.1/46

- 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: 101.102+/-2.775 χ^2/NDF:185.9/6

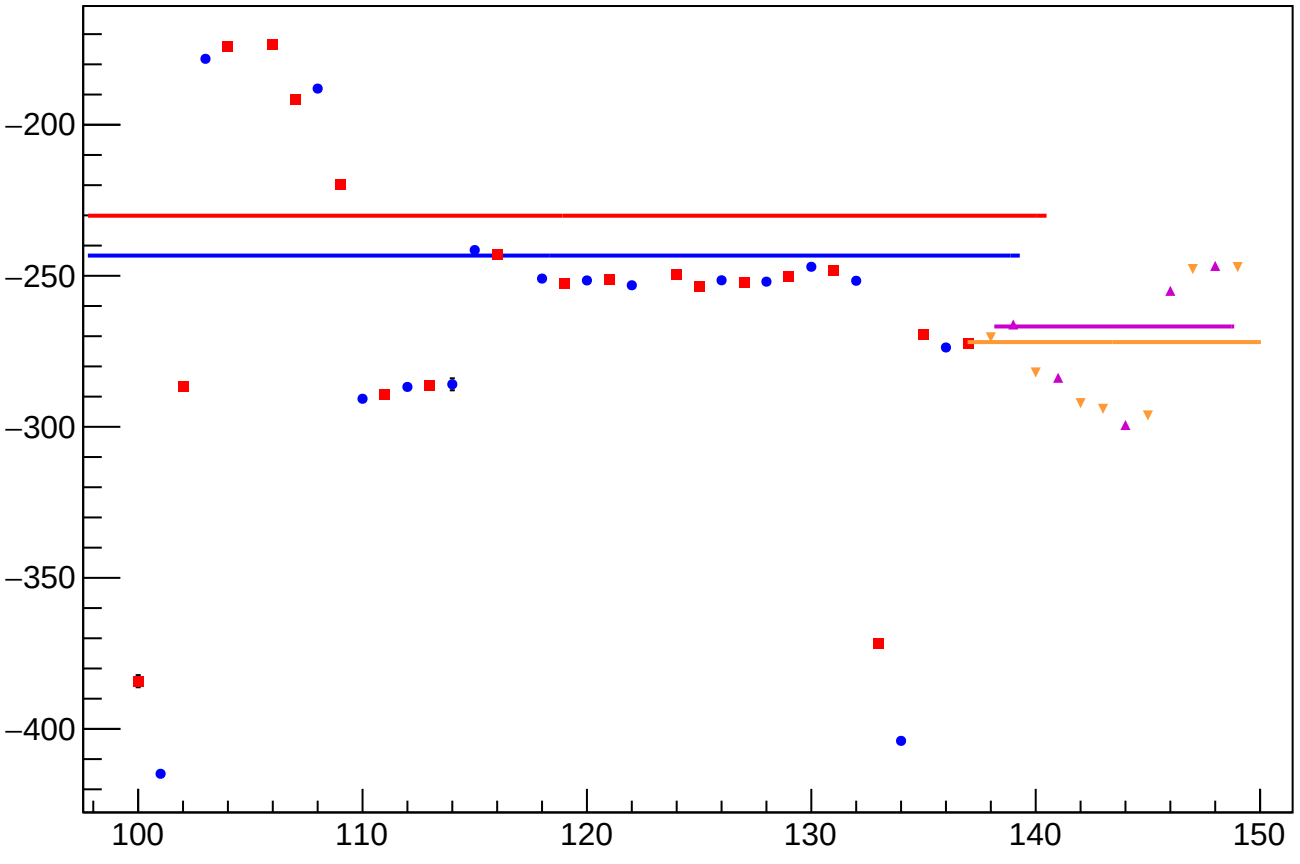
Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 97.710+/-3.131 χ^2/NDF:61.4/4

+ sign 118.212+/-2.083 χ^2/NDF: 658.4/22

All: 115.156+/-1.499 χ^2/NDF: 1271.7/46

- sign 111.876+/-2.158 χ^2/NDF: 608.9/23



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -271.945+/-0.141 χ^2/NDF:20685.4/6

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

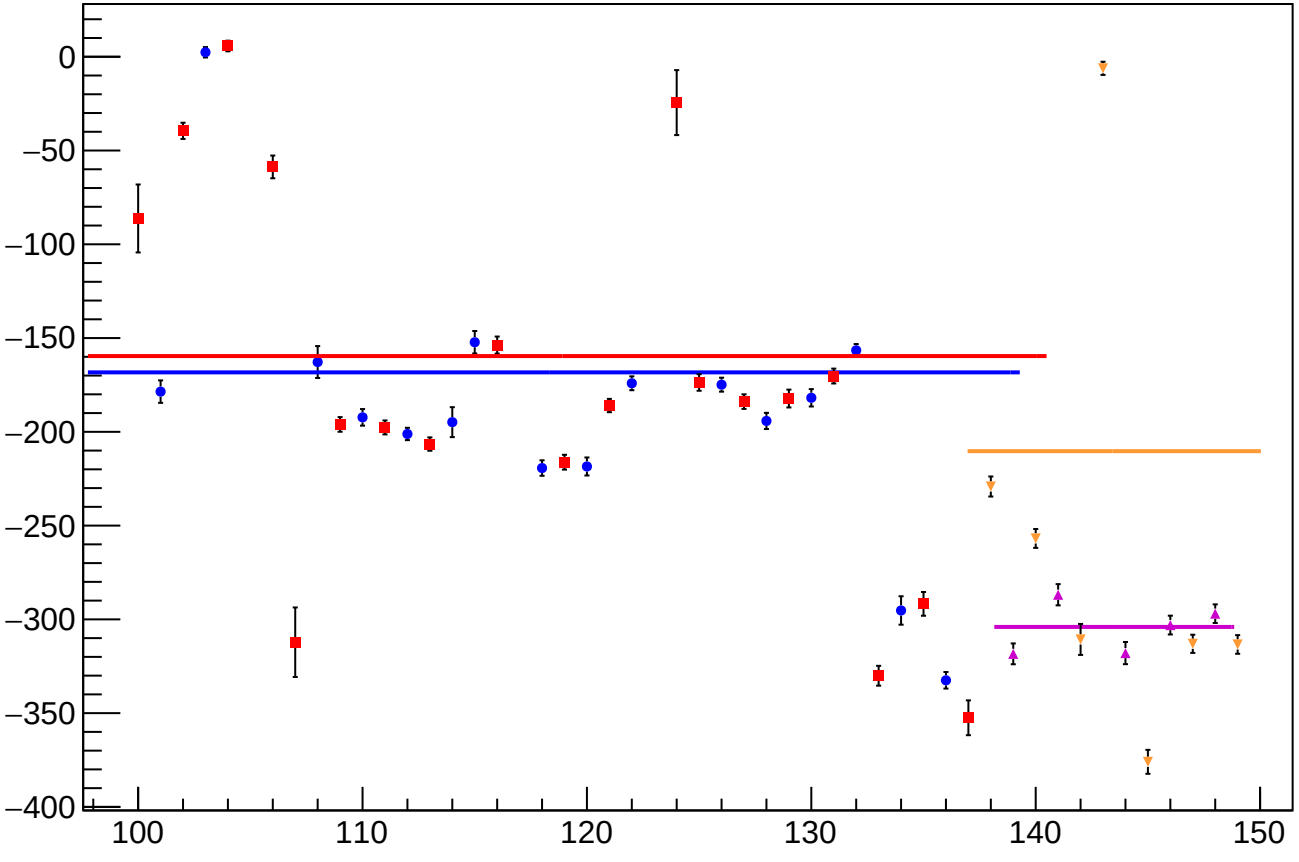
Left In: -266.779+/-0.156 χ^2/NDF:13952.5/4

+ sign -259.667+/-0.106 χ^2/NDF: 211911.5/22

All: -254.350+/-0.077 χ^2/NDF: 360868.9/46

- 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: -210.305+/-1.897 χ^2/NDF:5181.5/6

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

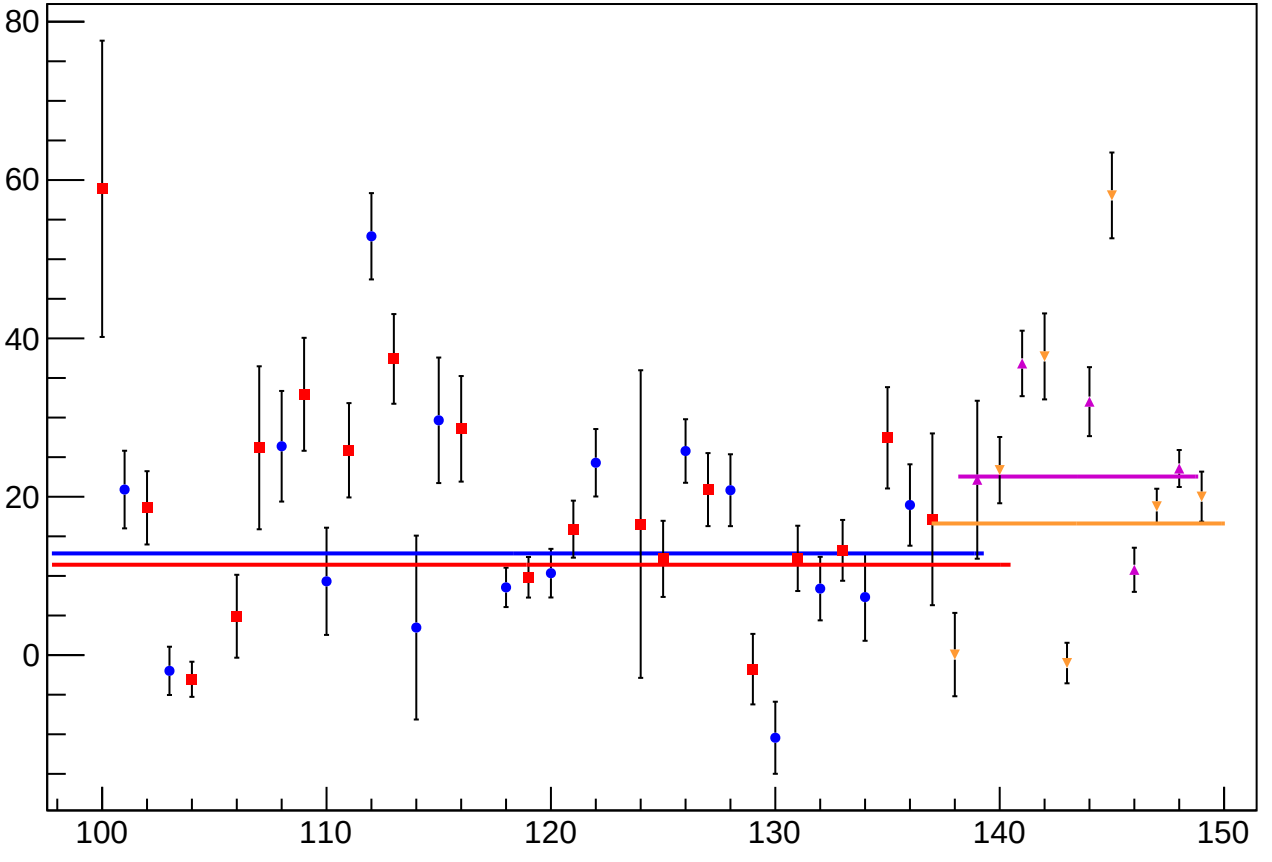
Left In: -304.030+/-2.406 χ^2/NDF:23.5/4

+ sign -178.513+/-0.936 χ^2/NDF: 11460.2/22

All: -180.425+/-0.669 χ^2/NDF: 21723.6/46

- 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: 16.623+/-1.274 χ^2/NDF:135.6/6

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

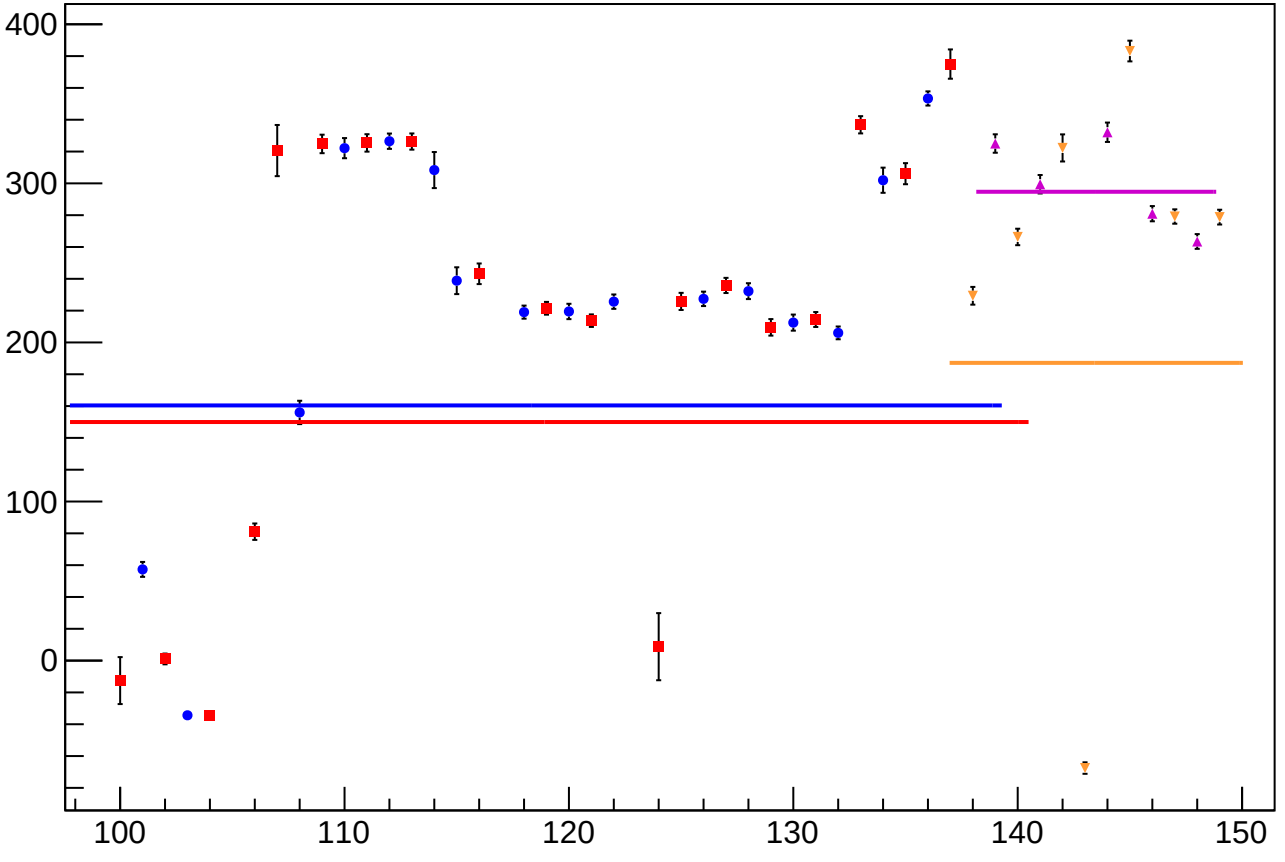
Left In: 22.551+/-1.519 χ^2/NDF:34.7/4

+ sign 14.417+/-0.822 χ^2/NDF: 284.5/22

All: 14.671+/-0.593 χ^2/NDF: 475.6/46

- 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: 187.164+/-1.894 χ^2/NDF:7231.3/6

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

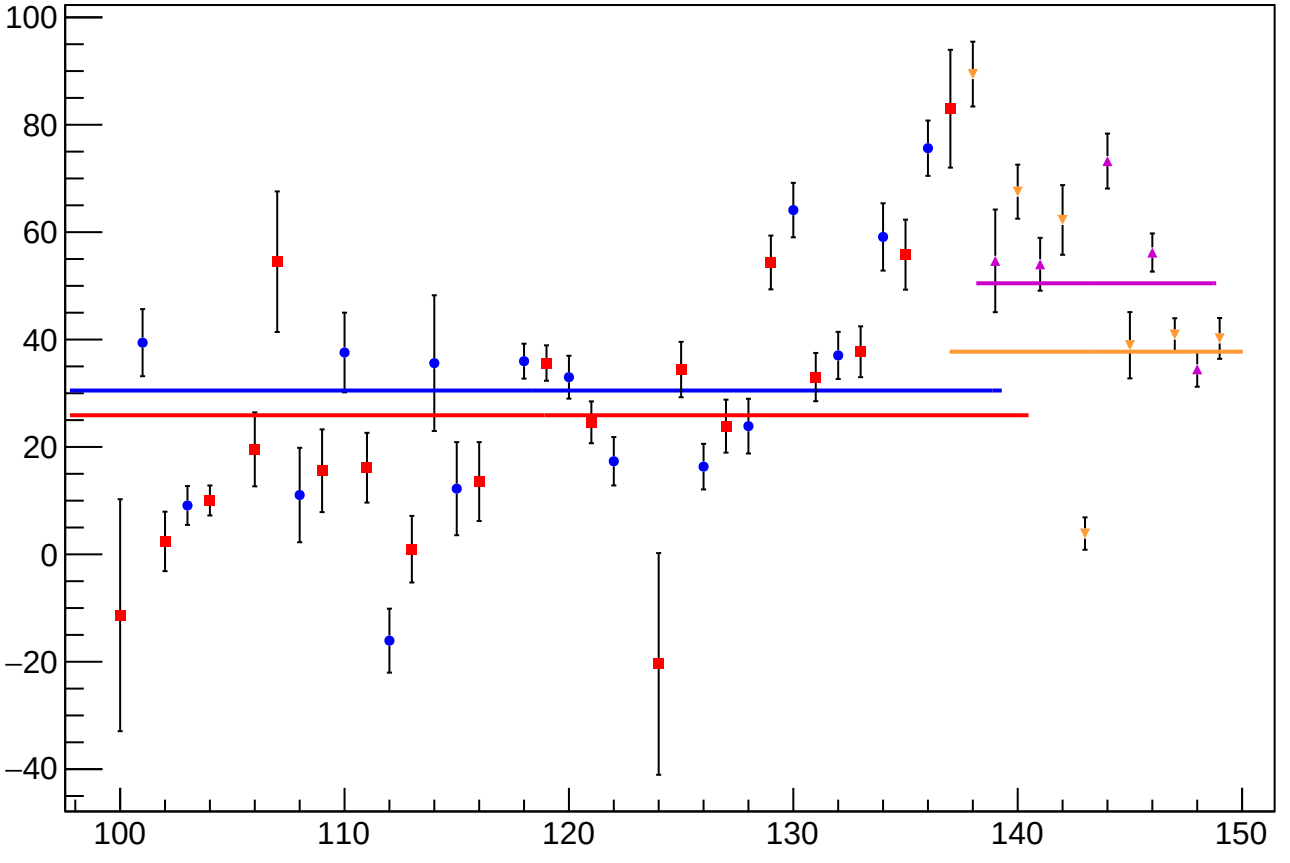
Left In: 294.715+/-2.381 χ^2/NDF:119.4/4

+ sign 167.515+/-0.976 χ^2/NDF: 21327.7/22

All: 171.493+/-0.700 χ^2/NDF: 40786.1/46

- 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: 37.744+/-1.575 χ^2/NDF:250.3/6

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

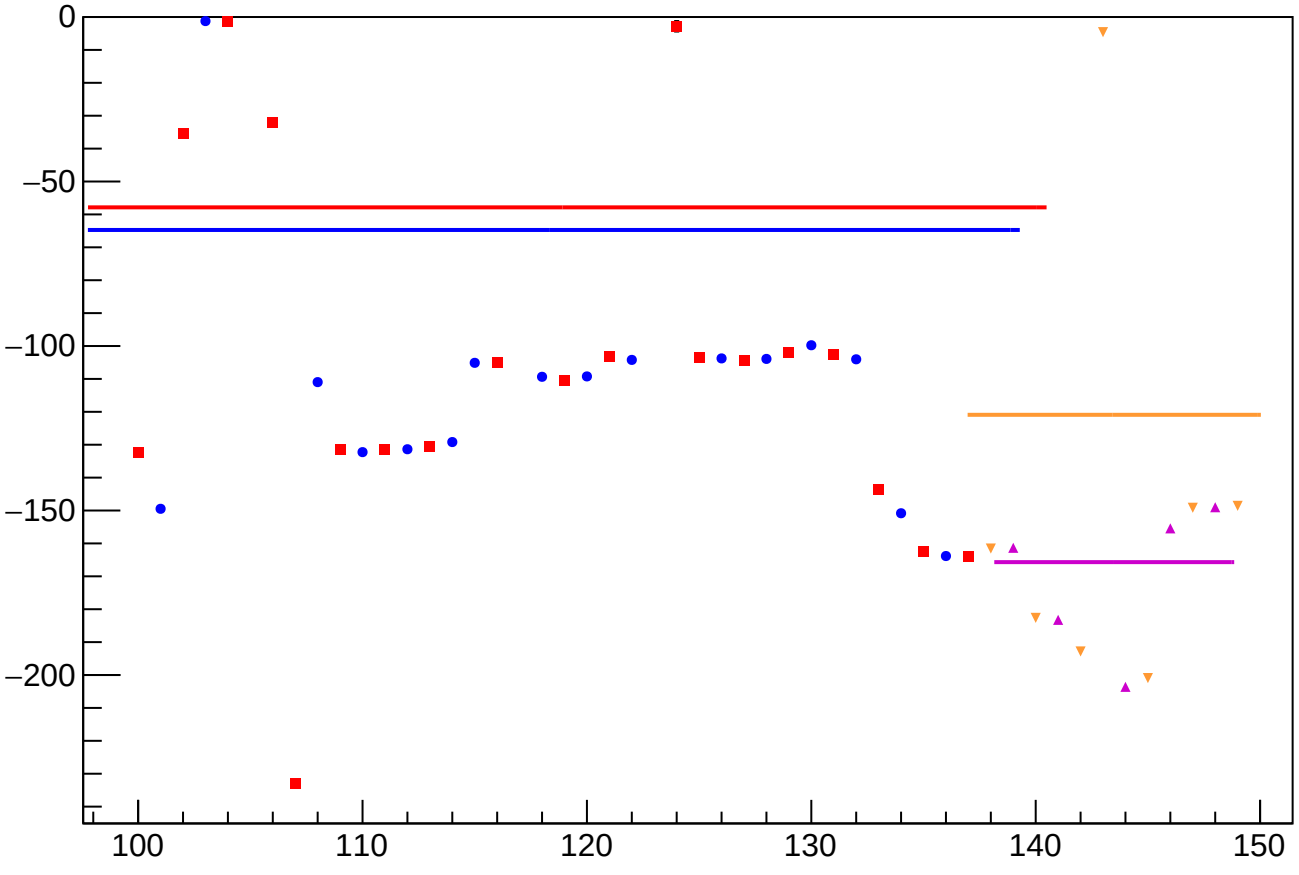
Left In: 50.481+/-1.945 χ^2/NDF:47.4/4

+ sign 33.318+/-0.981 χ^2/NDF: 540.1/22

All: 33.064+/-0.710 χ^2/NDF: 890.4/46

- 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: -120.908+/-0.080 χ^2/NDF:885313.2/6

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

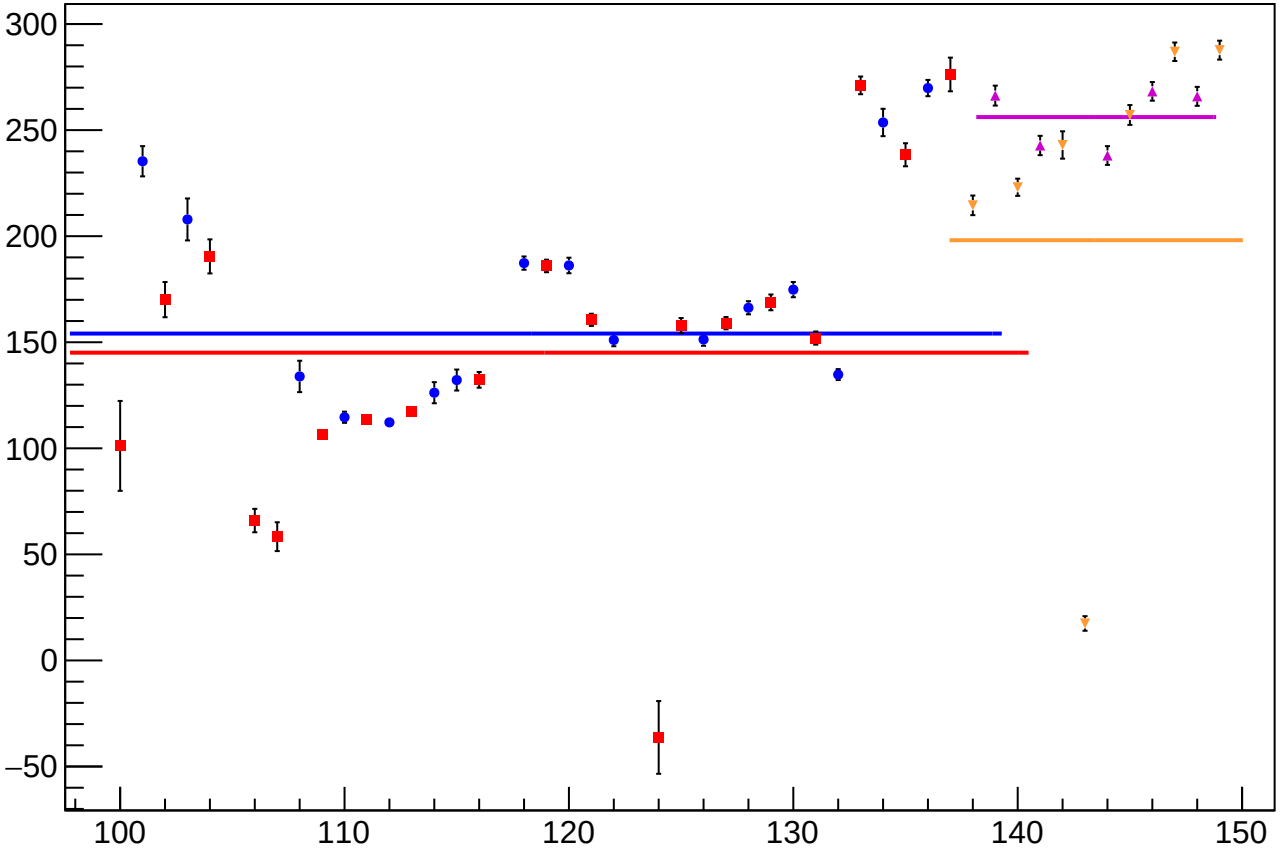
Left In: -165.688+/-0.097 χ^2/NDF:35494.6/4

+ sign -86.661+/-0.050 χ^2/NDF: 2232579.0/22

All: -87.904+/-0.036 χ^2/NDF: 4022352.4/46

- 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: 198.097+/-1.657 χ^2/NDF:3825.8/6

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

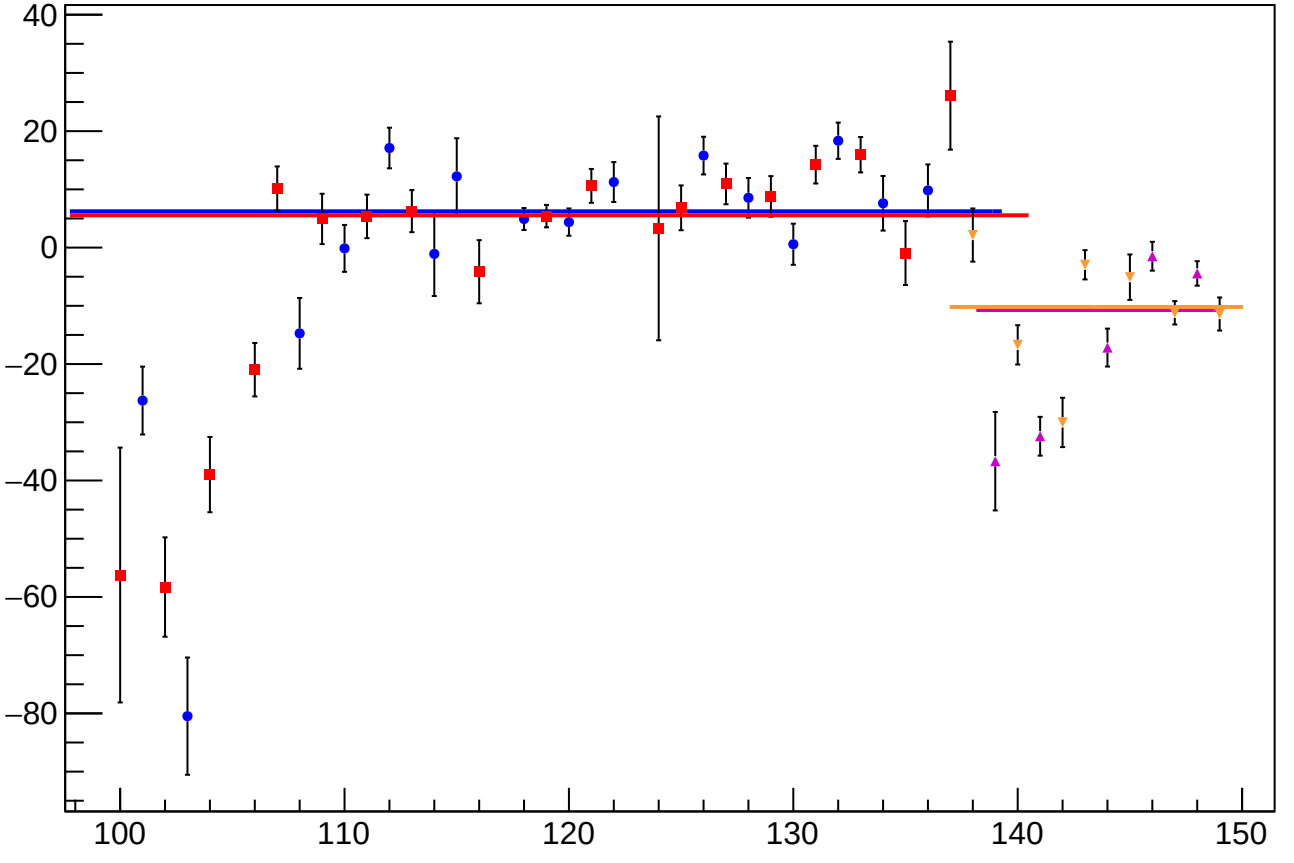
Left In: 256.147+/-2.013 χ^2/NDF:42.5/4

+ sign 163.589+/-0.770 χ^2/NDF: 6659.9/22

All: 162.327+/-0.542 χ^2/NDF: 12270.4/46

- 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: -10.199+/-1.126 χ^2/NDF:43.4/6

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

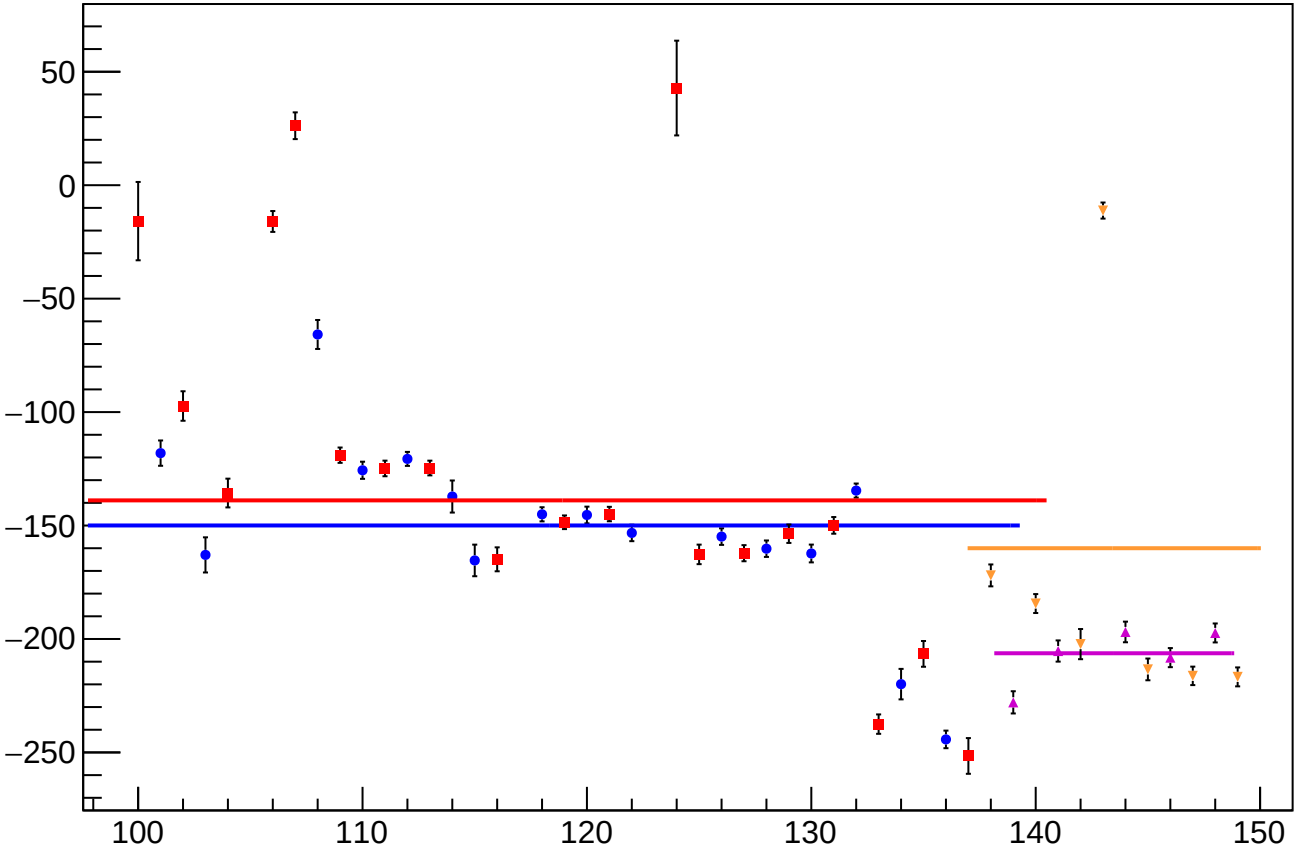
Left In: -10.721+/-1.305 χ^2/NDF:78.5/4

+ sign -0.087+/-0.698 χ^2/NDF: 336.5/22

All: 0.139+/-0.506 χ^2/NDF: 702.5/46

- 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: -159.995+/-1.657 χ^2/NDF:2344.6/6

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

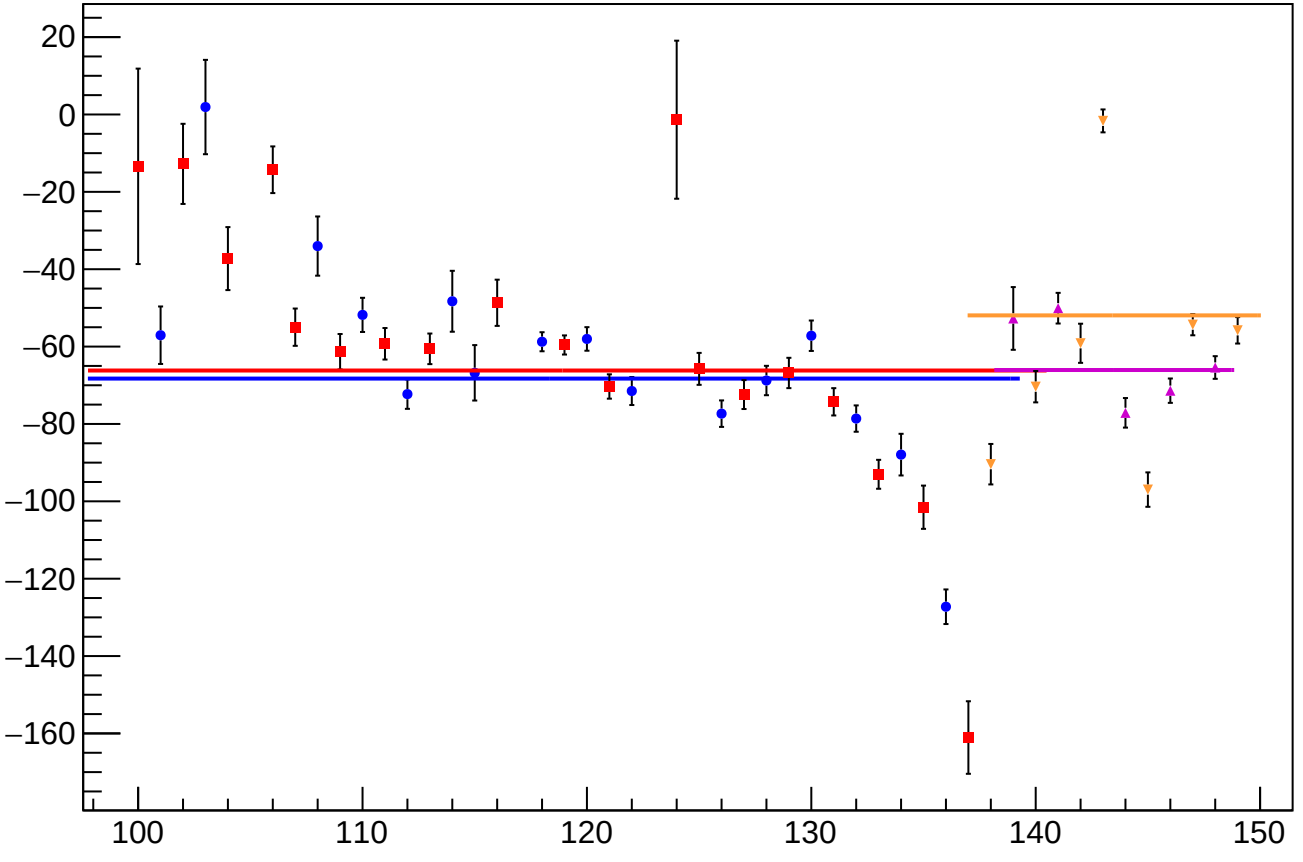
Left In: -206.291+/-2.002 χ^2/NDF:28.6/4

+ sign -152.746+/-0.872 χ^2/NDF: 3470.5/22

All: -152.492+/-0.623 χ^2/NDF: 7159.2/46

- 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: -51.933+/-1.388 χ^2/NDF:469.4/6

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

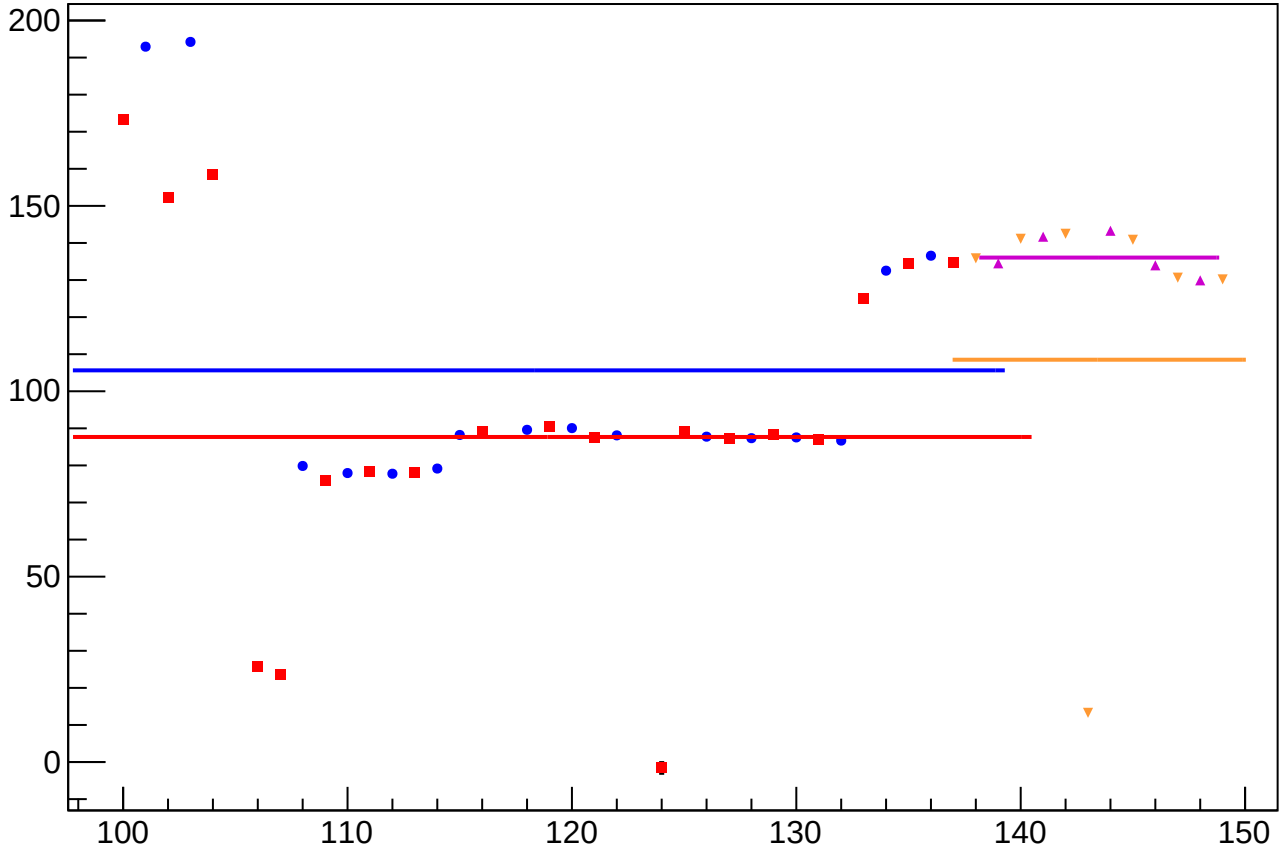
Left In: -66.056+/-1.656 χ^2/NDF:30.3/4

+ sign -62.448+/-0.829 χ^2/NDF: 873.9/22

All: -64.208+/-0.600 χ^2/NDF: 1272.0/46

- 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: 108.509+/-0.070 χ^2/NDF:544699.0/6

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

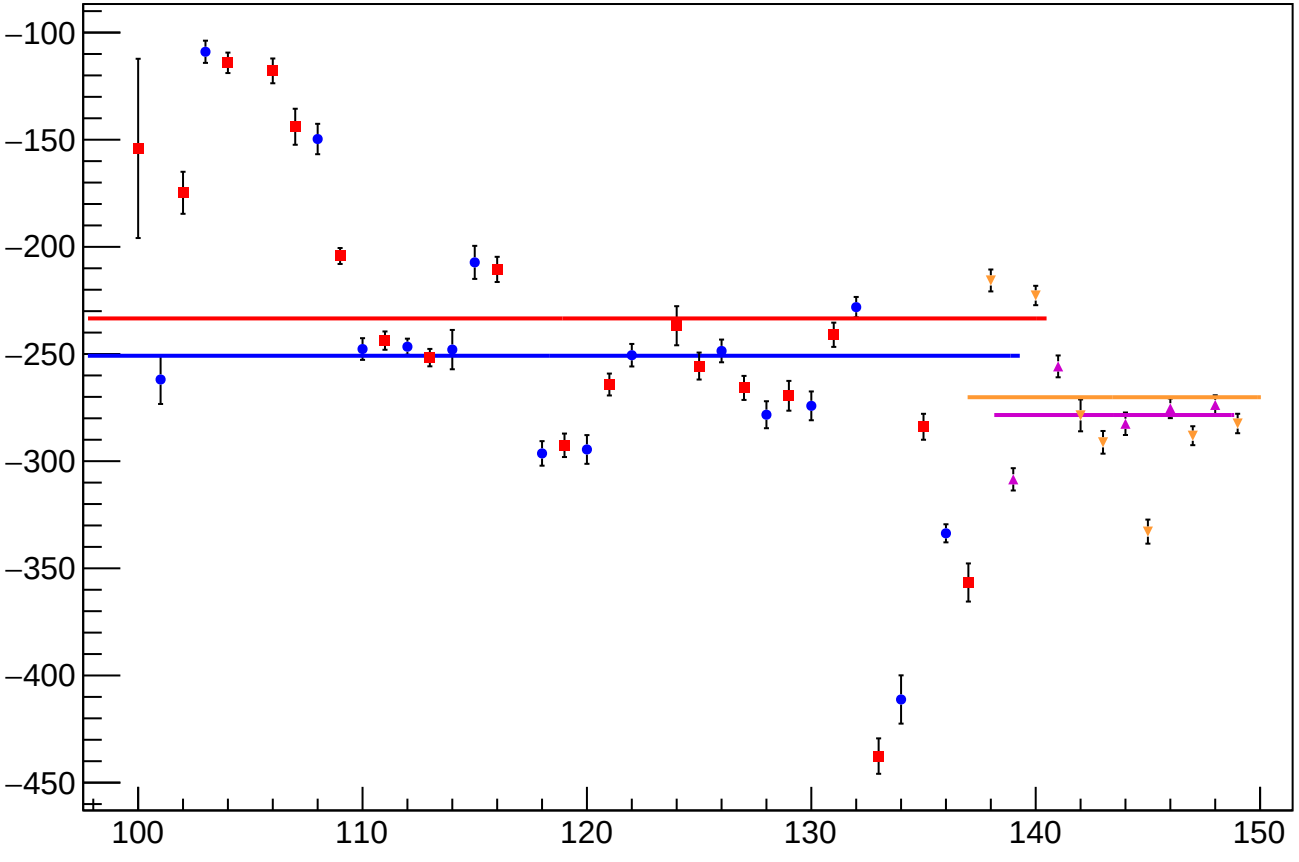
Left In: 136.058+/-0.082 χ^2/NDF:3658.0/4

+ sign 107.098+/-0.050 χ^2/NDF: 785147.1/22

All: 106.869+/-0.036 χ^2/NDF: 1376220.7/46

- 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: -270.159+/-1.915 χ^2/NDF:389.6/6

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

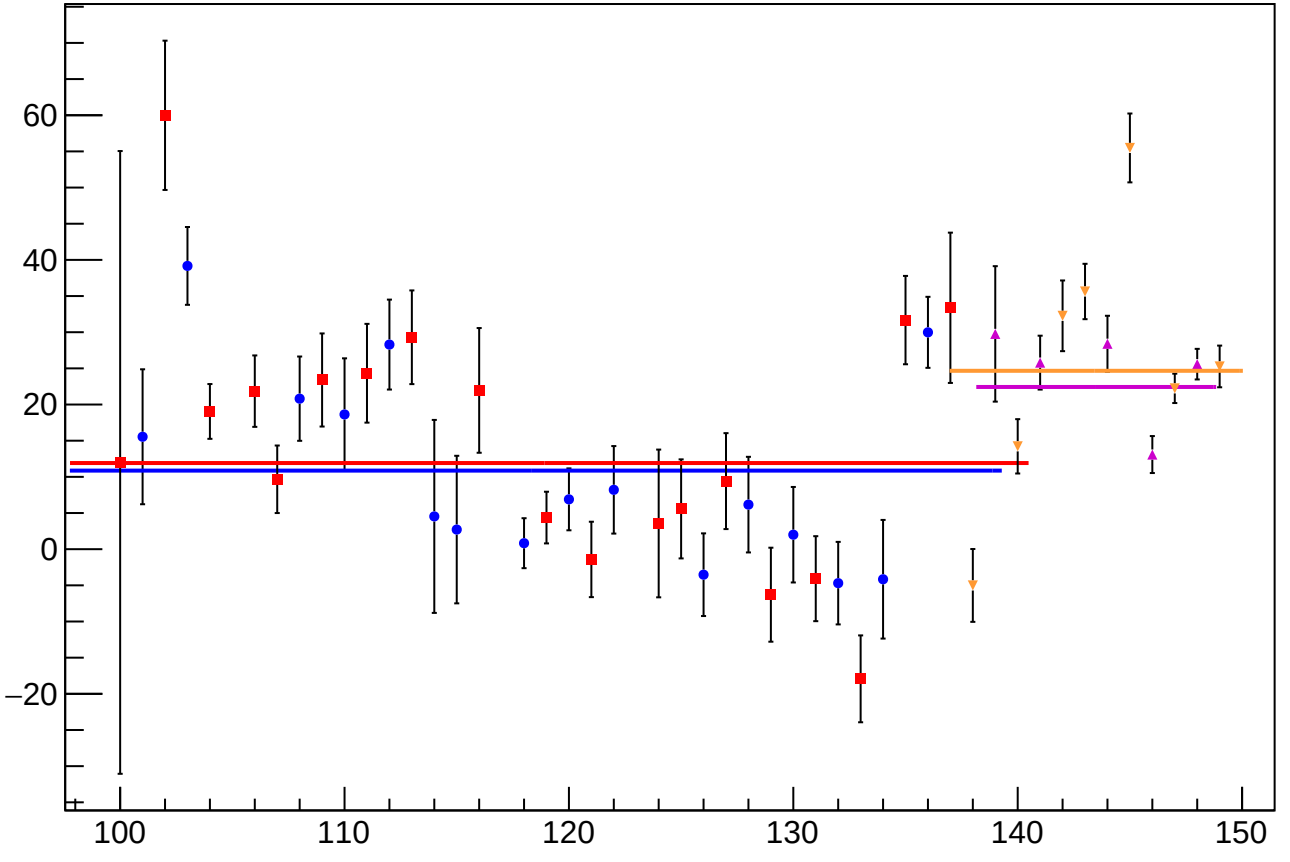
Left In: -278.461+/-2.188 χ^2/NDF:55.3/4

+ sign -257.787+/-1.150 χ^2/NDF: 2190.6/22

All: -251.630+/-0.809 χ^2/NDF: 4990.4/46

- 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: 24.664+/-1.262 χ^2/NDF:96.5/6

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

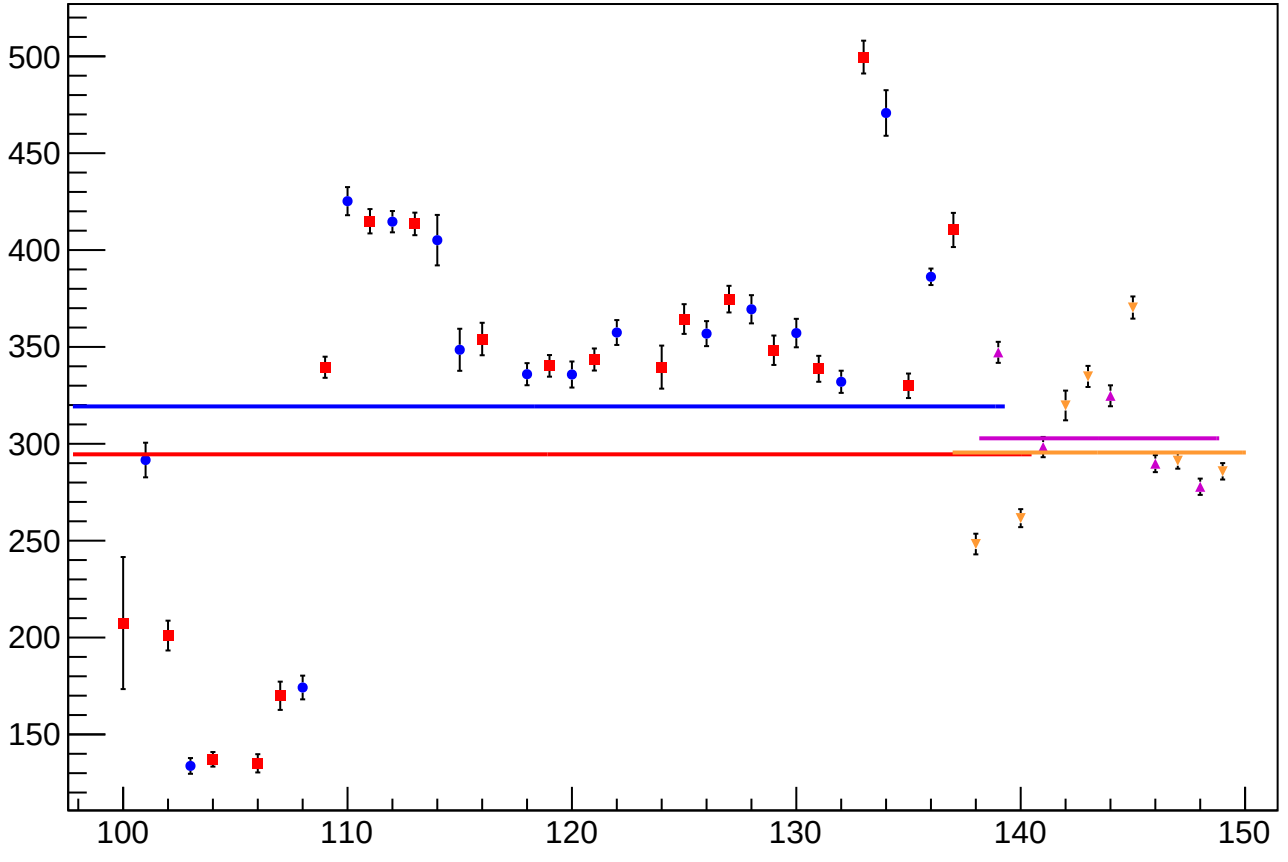
Left In: 22.429+/-1.378 χ^2/NDF:19.4/4

+ sign 18.809+/-0.958 χ^2/NDF: 231.8/22

All: 17.982+/-0.682 χ^2/NDF: 394.0/46

- 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: 295.504+/-1.899 χ^2/NDF:370.8/6

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

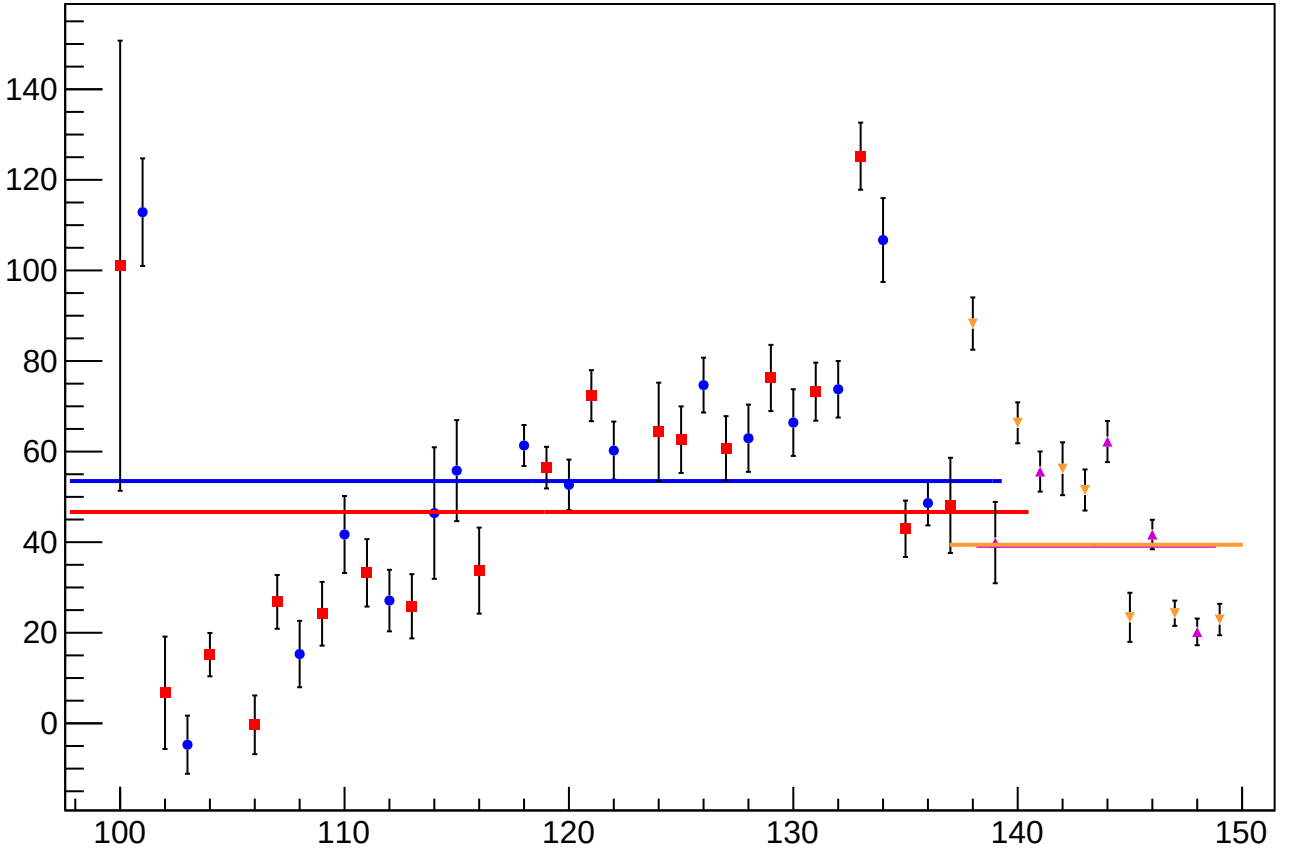
Left In: 302.828+/-2.165 χ^2/NDF:128.4/4

+ sign 309.517+/-1.217 χ^2/NDF: 4256.1/22

All: 303.386+/-0.863 χ^2/NDF: 9948.6/46

- 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: 39.428+/-1.575 χ^2/NDF:183.3/6

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

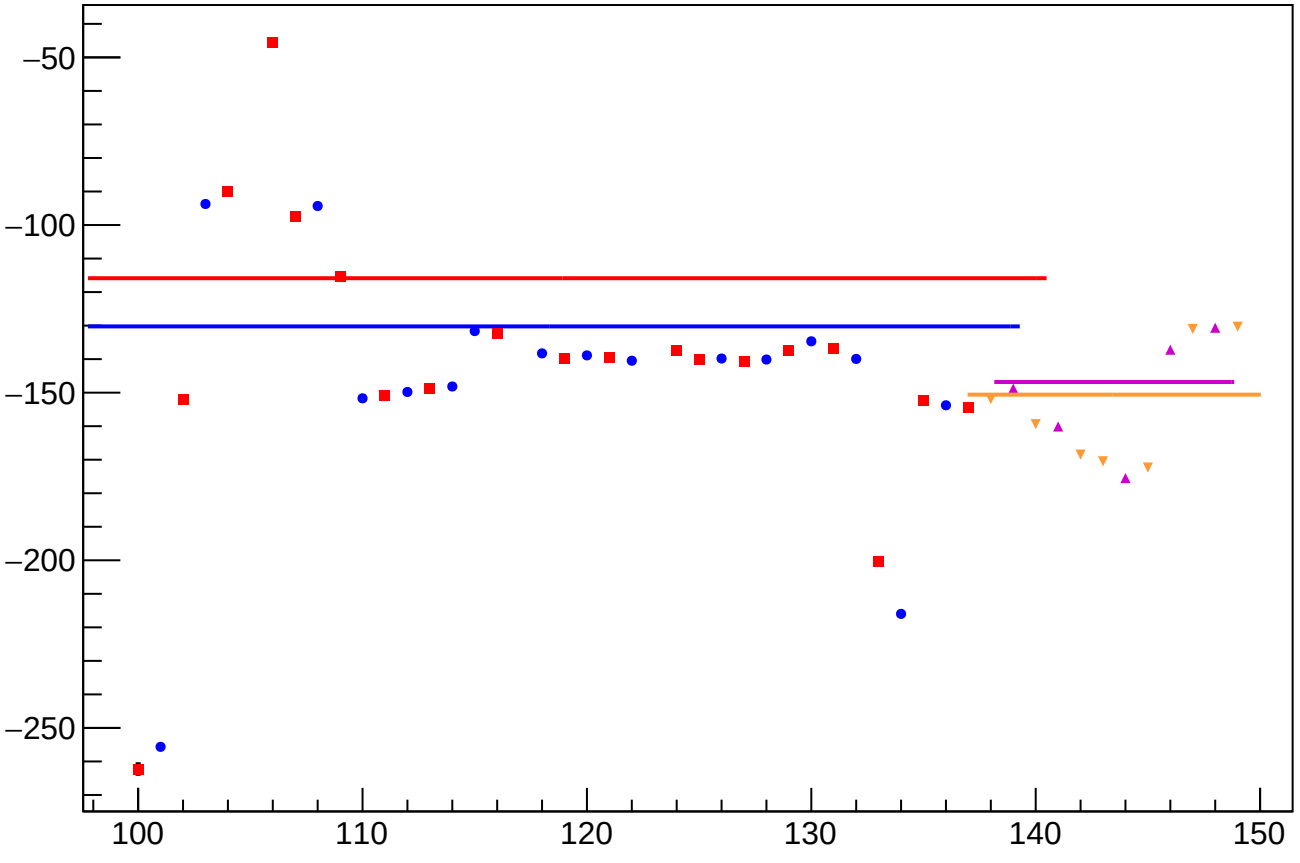
Left In: 39.202+/-1.764 χ^2/NDF:81.7/4

+ sign 45.931+/-1.155 χ^2/NDF: 437.4/22

All: 44.652+/-0.826 χ^2/NDF: 857.1/46

- 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: -150.592+/-0.080 χ^2/NDF:46331.9/6

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

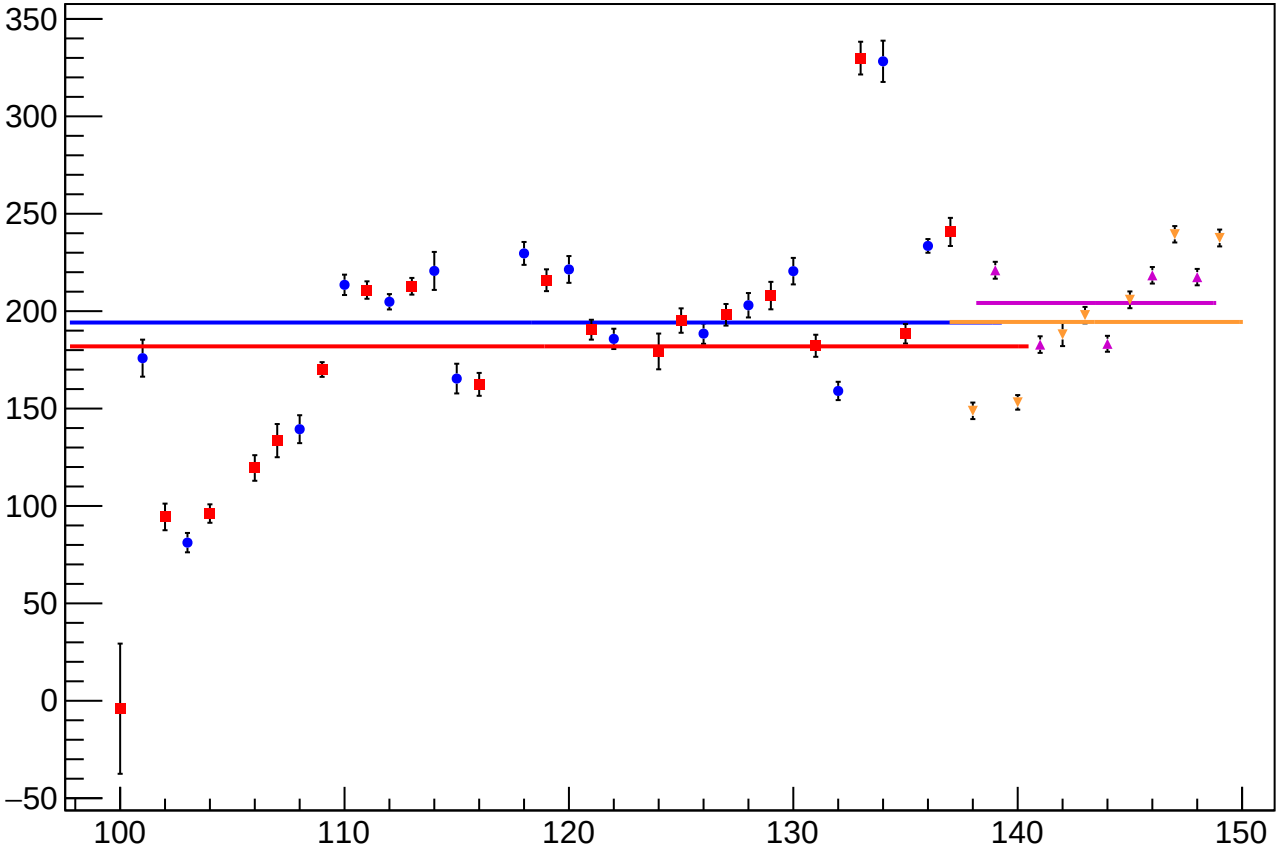
Left In: -146.815+/-0.088 χ^2/NDF:29582.2/4

+ sign -141.697+/-0.060 χ^2/NDF: 248662.2/22

All: -136.402+/-0.043 χ^2/NDF: 563173.8/46

- 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: 194.464+/-1.634 χ^2/NDF:459.4/6

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

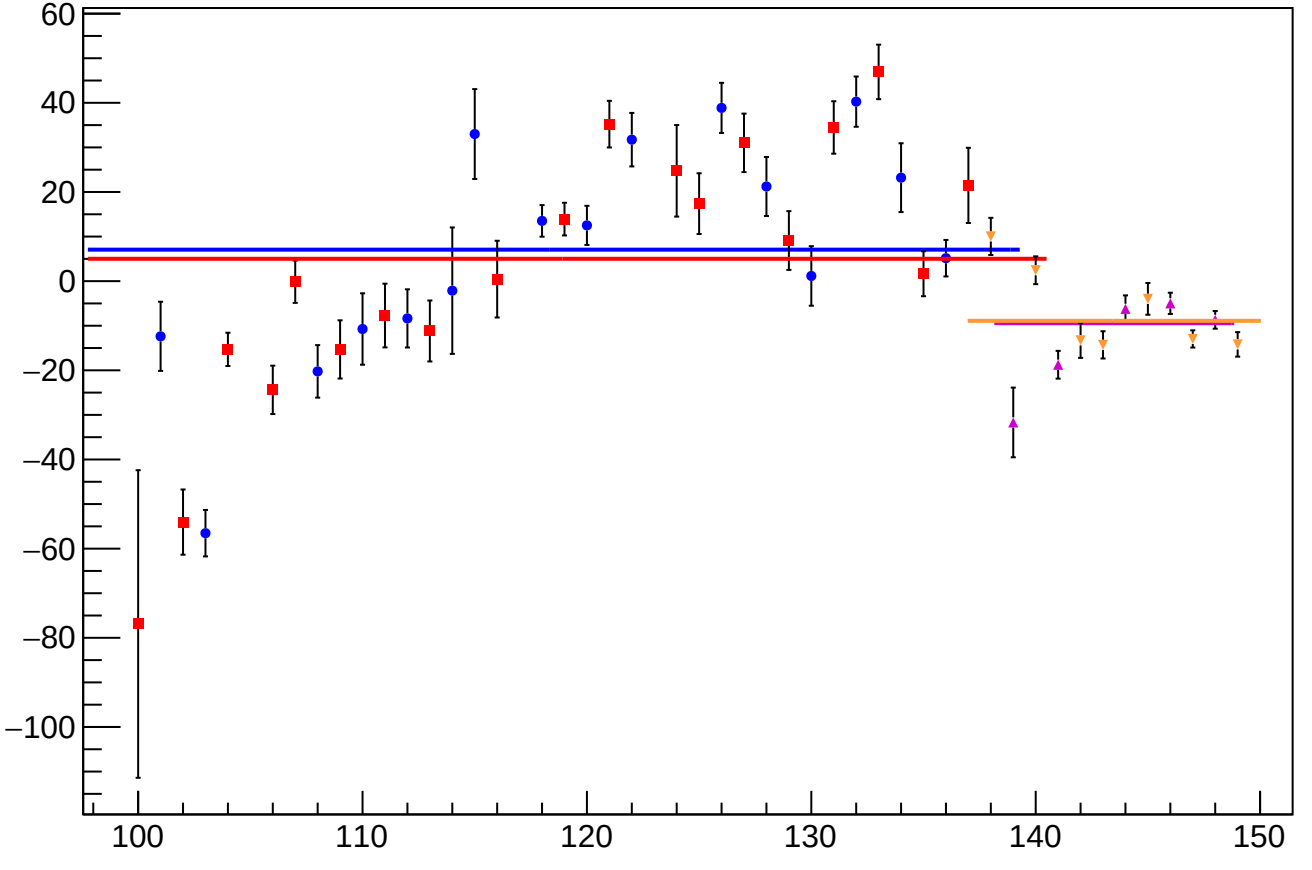
Left In: 204.205+/-1.889 χ^2/NDF:87.7/4

+ sign 194.292+/-1.066 χ^2/NDF: 1494.6/22

All: 191.812+/-0.760 χ^2/NDF: 2891.5/46

- 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: -8.902+/-1.111 χ^2/NDF:48.3/6

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

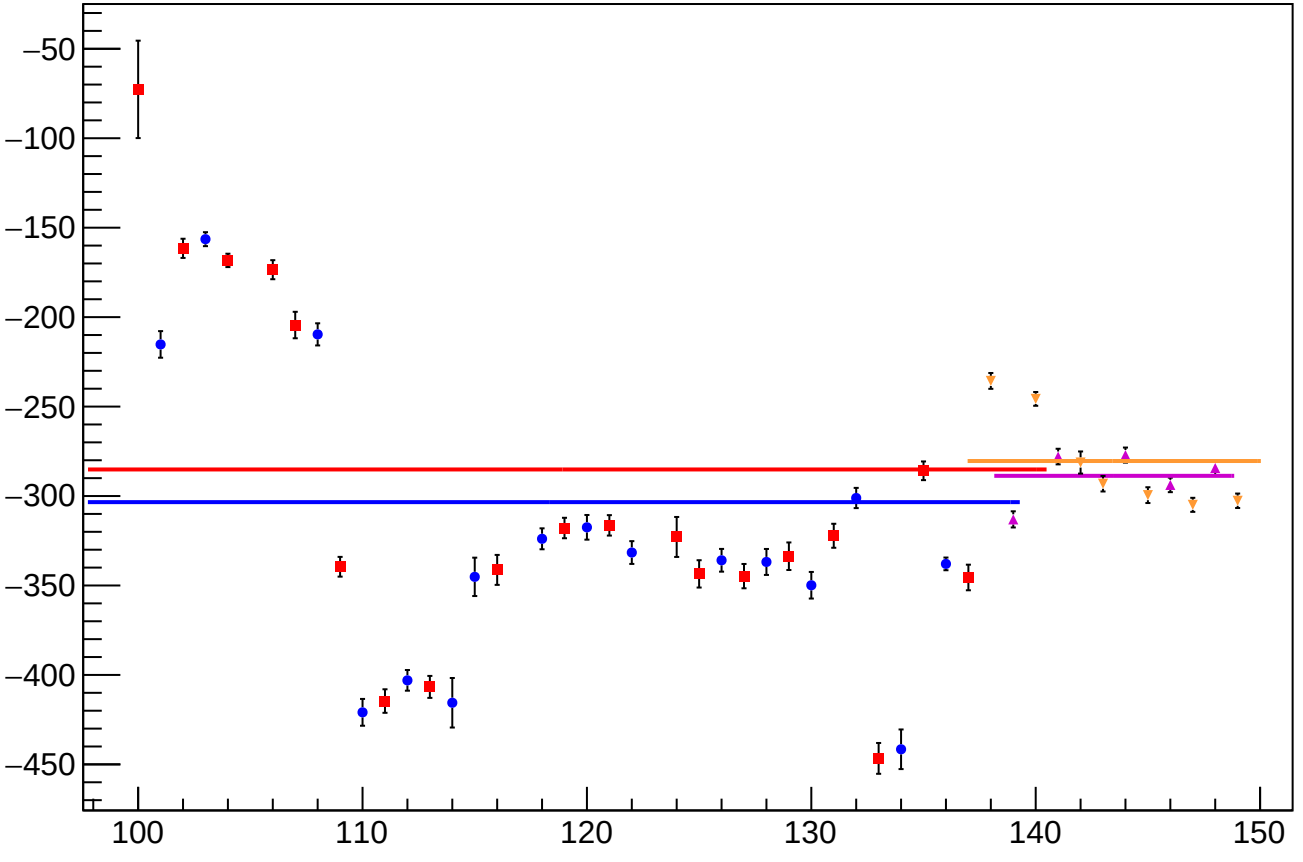
Left In: -9.425+/-1.230 χ^2/NDF:21.9/4

+ sign -2.960+/-0.880 χ^2/NDF: 417.7/22

All: -2.930+/-0.633 χ^2/NDF: 790.4/46

- 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: -280.427+/-1.633 χ^2/NDF:280.0/6

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

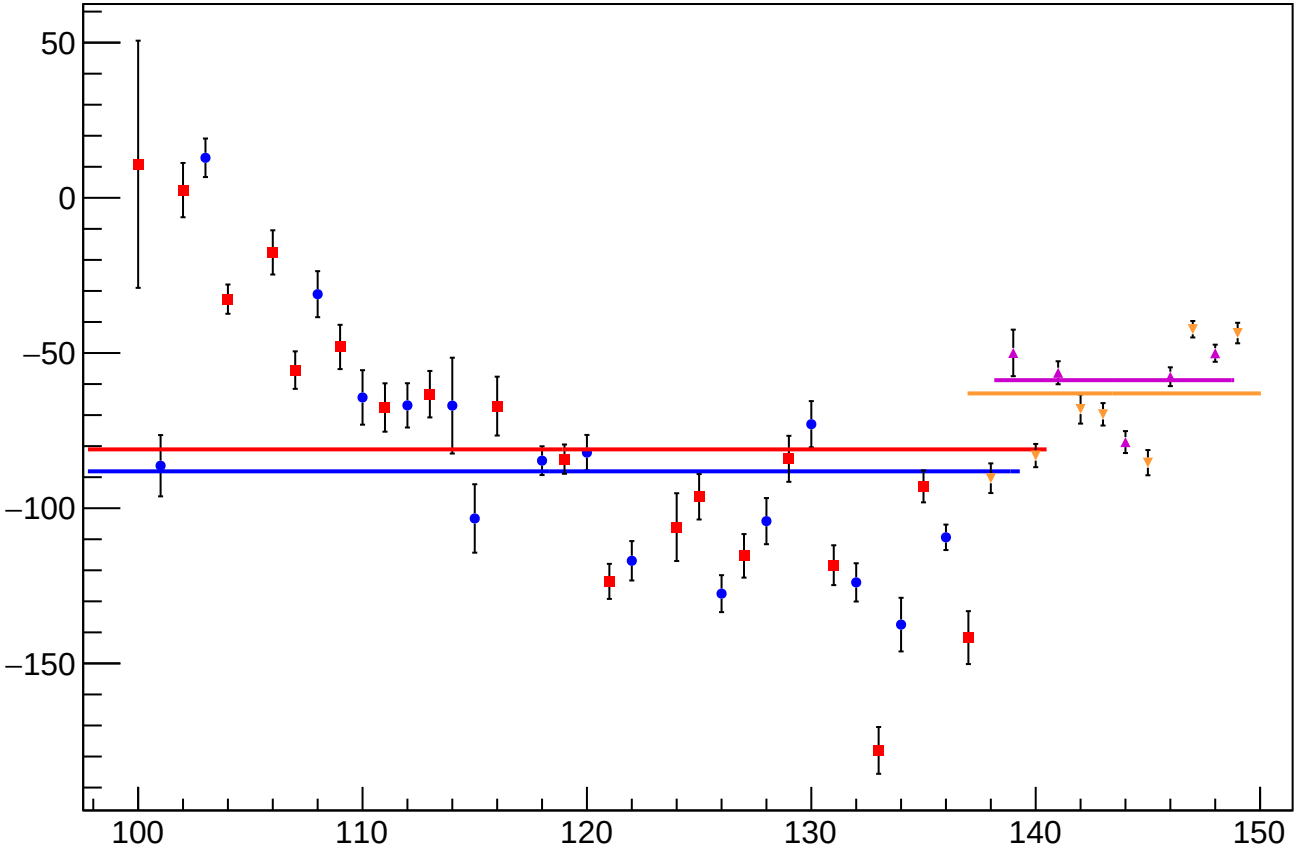
Left In: -288.706+/-1.879 χ^2/NDF:45.5/4

+ sign -292.663+/-1.116 χ^2/NDF: 3171.0/22

All: -289.657+/-0.801 χ^2/NDF: 6988.5/46

- 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: -63.011+/-1.373 χ^2/NDF:191.2/6

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

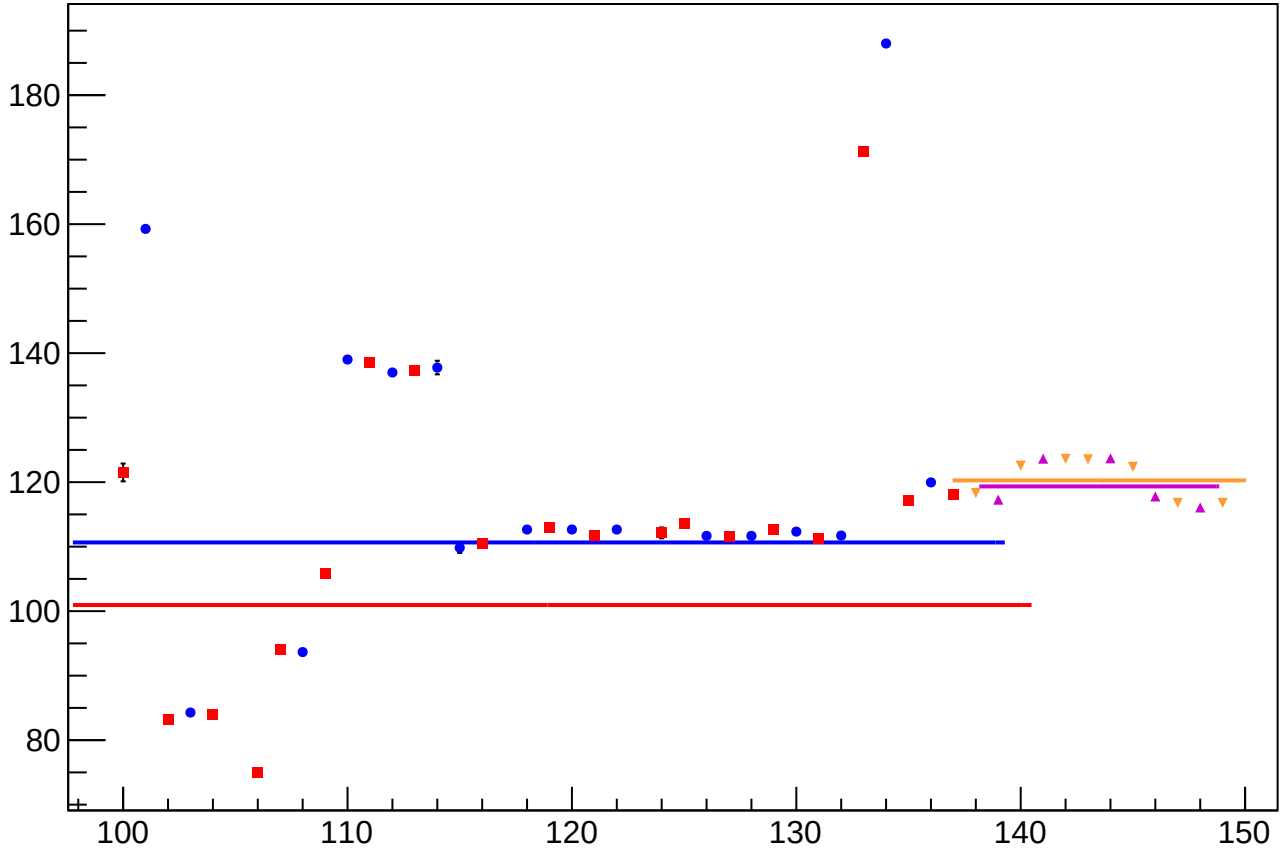
Left In: -58.750+/-1.560 χ^2/NDF:43.6/4

+ sign -73.246+/-1.057 χ^2/NDF: 839.5/22

All: -71.618+/-0.764 χ^2/NDF: 1667.1/46

- 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: 120.277+/-0.069 χ^2/NDF:1762.5/6

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

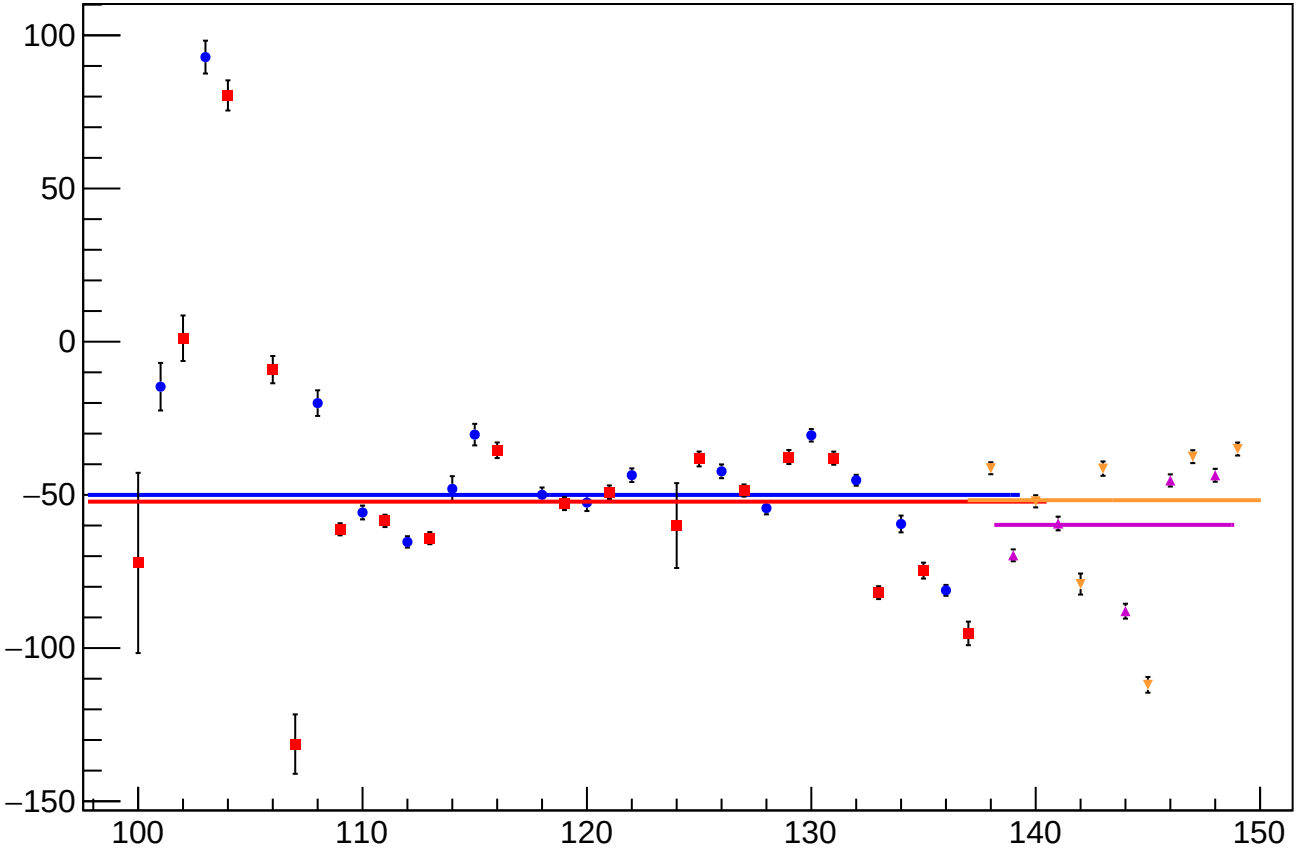
Left In: 119.338+/-0.077 χ^2/NDF:1776.2/4

+ sign 116.516+/-0.054 χ^2/NDF: 92949.8/22

All: 113.689+/-0.039 χ^2/NDF: 189686.8/46

- 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: -51.739+/-0.851 χ^2/NDF:767.5/6

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

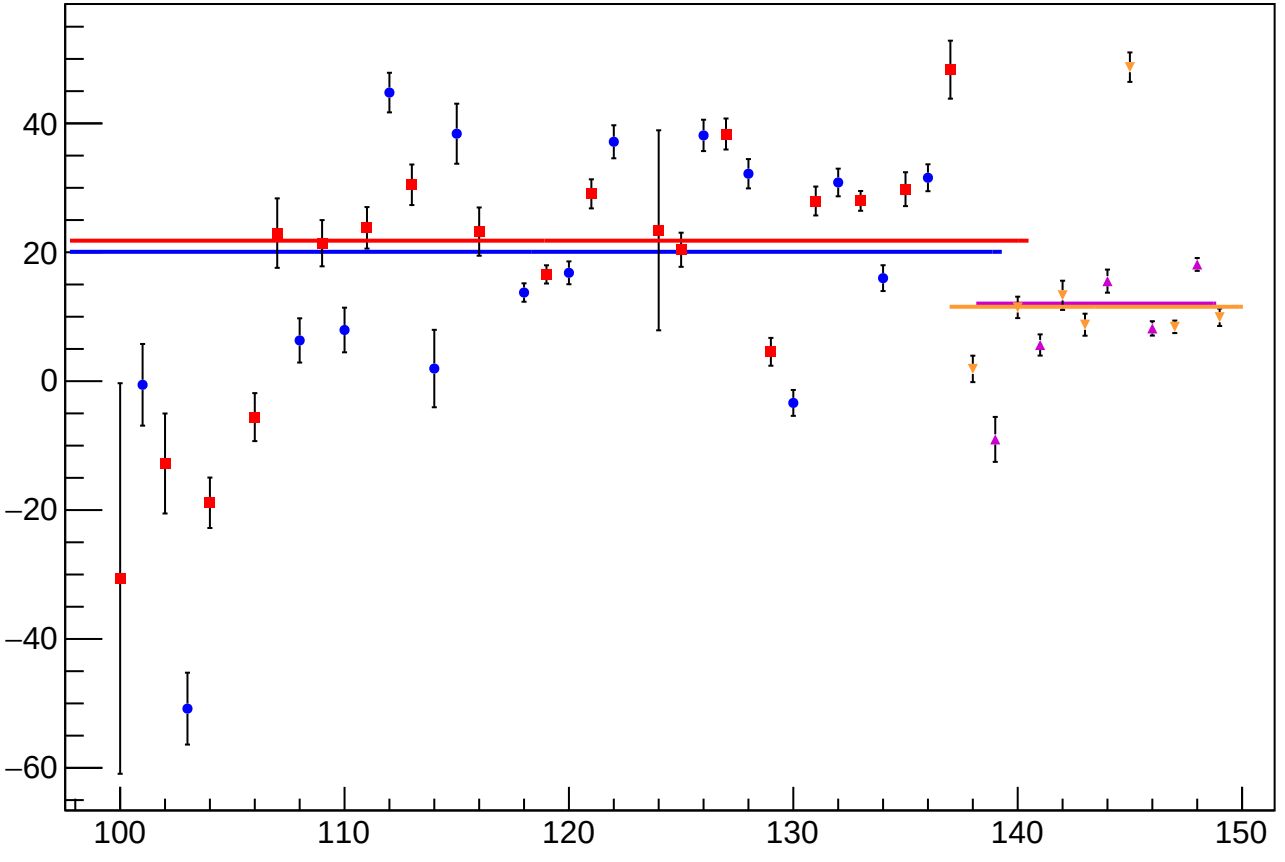
Left In: -59.787+/-0.948 χ^2/NDF:272.5/4

+ sign -50.595+/-0.496 χ^2/NDF: 2097.6/22

All: -52.444+/-0.356 χ^2/NDF: 4014.4/46

- 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: 11.545+/-0.584 χ^2/NDF:301.6/6

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

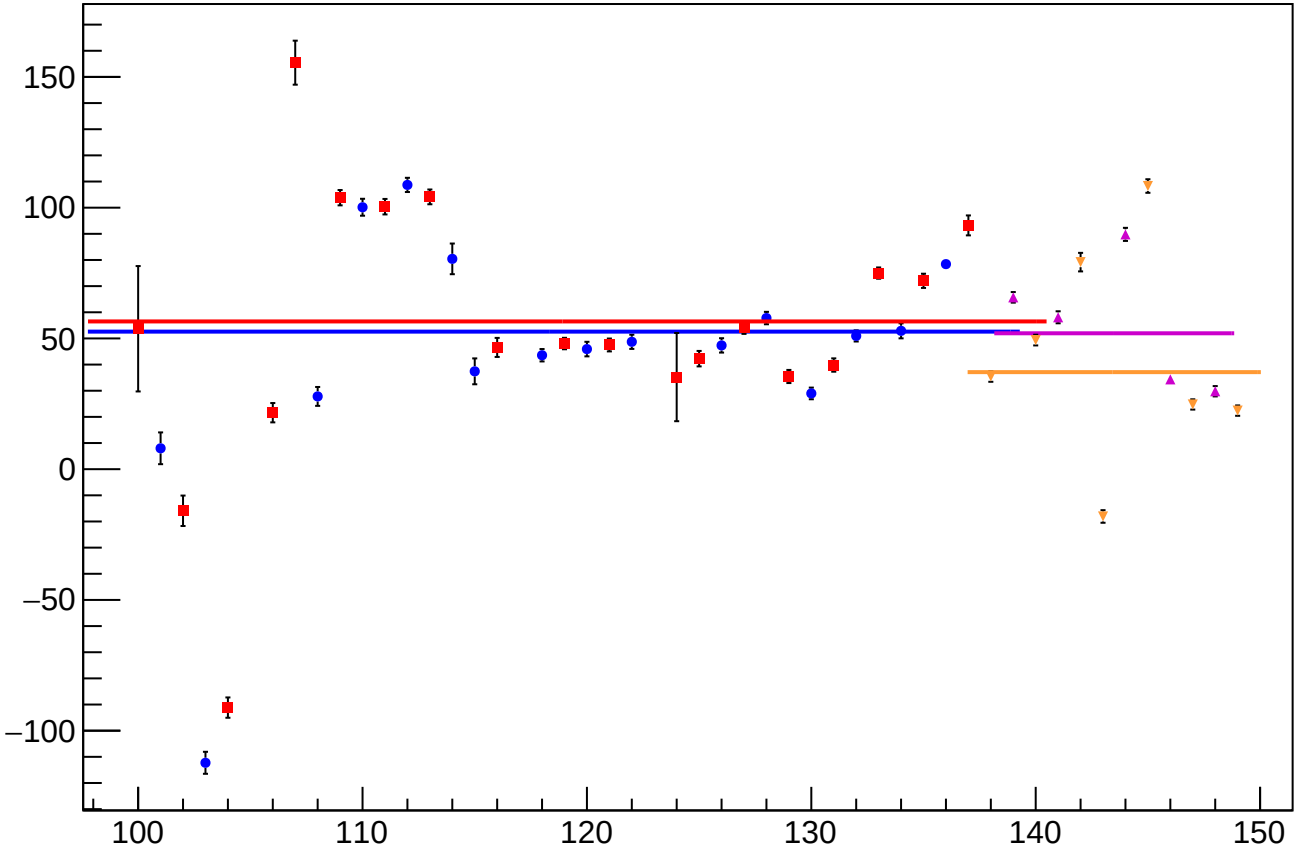
Left In: 12.036+/-0.624 χ^2/NDF:104.5/4

\+ sign 15.608+/-0.422 χ^2/NDF: 1039.5/22

All: 16.242+/-0.305 χ^2/NDF: 1668.0/46

\- 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: 37.114+/-0.847 χ^2/NDF:1547.9/6

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

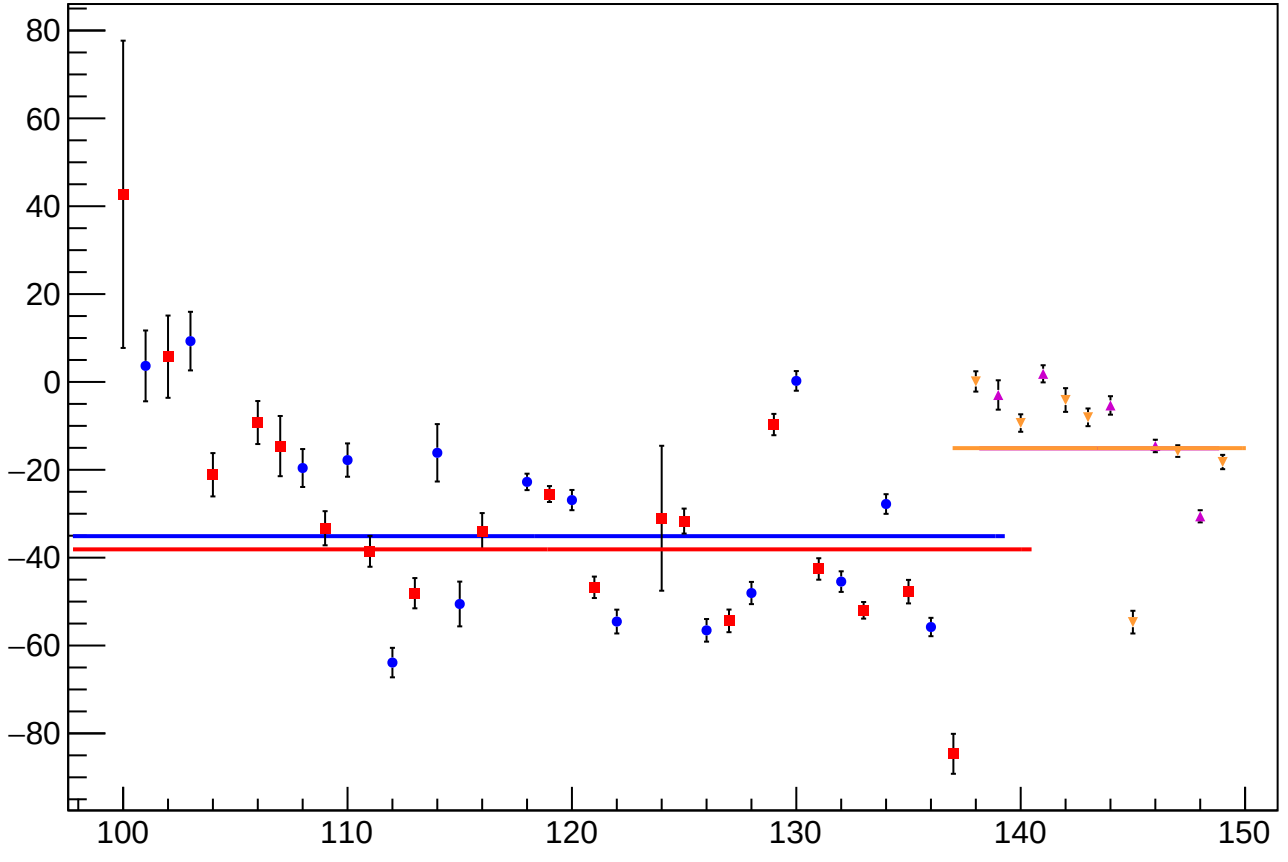
Left In: 51.967+/-0.943 χ^2/NDF:493.1/4

+ sign 46.361+/-0.538 χ^2/NDF: 4406.8/22

All: 50.410+/-0.390 χ^2/NDF: 7999.2/46

- 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: -15.066+/-0.722 χ^2/NDF:319.0/6

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

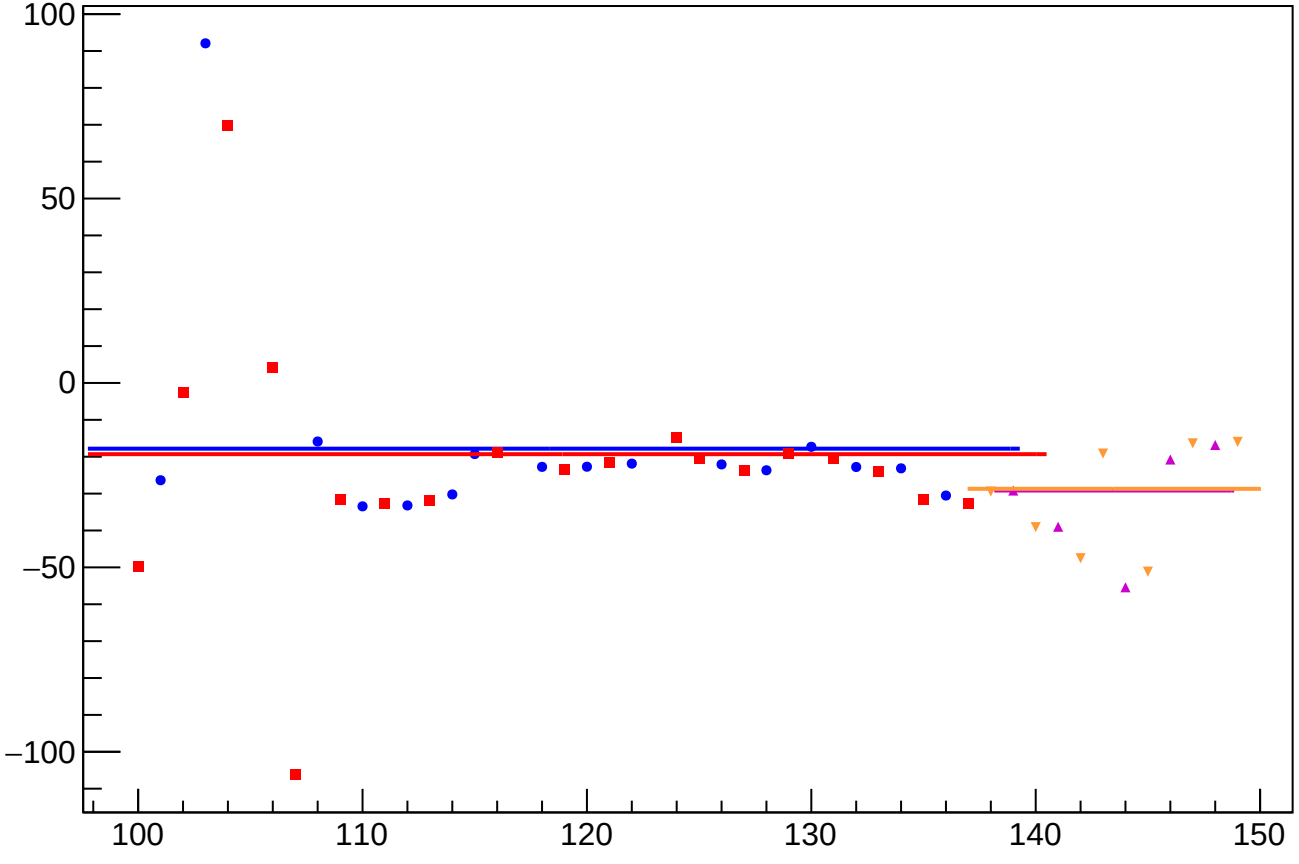
Left In: -15.130+/-0.792 χ^2/NDF:234.8/4

+ sign -25.400+/-0.503 χ^2/NDF: 1489.0/22

All: -26.543+/-0.365 χ^2/NDF: 2713.5/46

- 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: -28.700+/-0.035 χ^2/NDF:130674.5/6

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

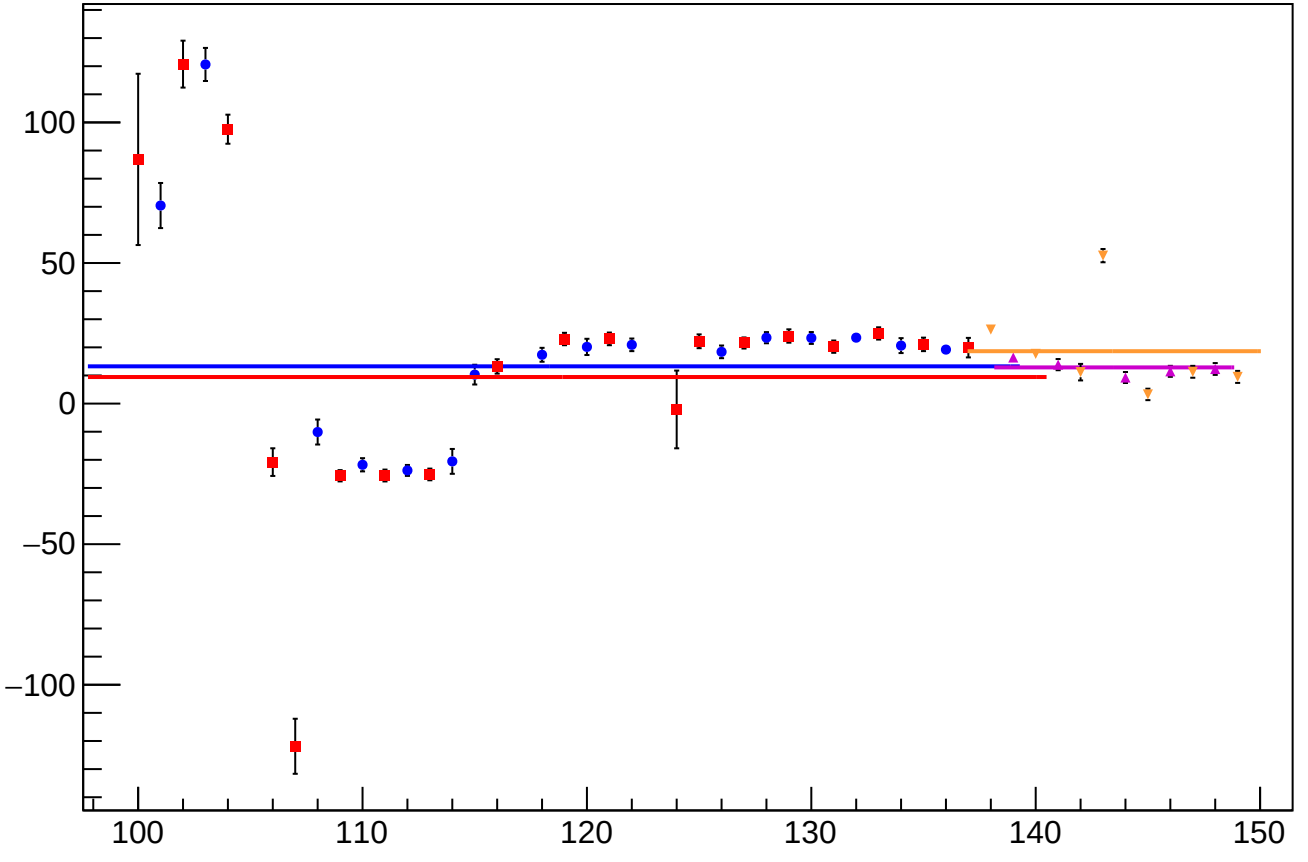
Left In: -29.161+/-0.038 χ^2/NDF:100012.7/4

+ sign -24.320+/-0.027 χ^2/NDF: 594645.2/22

All: -24.719+/-0.020 χ^2/NDF: 1066932.7/46

- 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: 18.635+/-0.786 χ^2/NDF:320.0/6

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

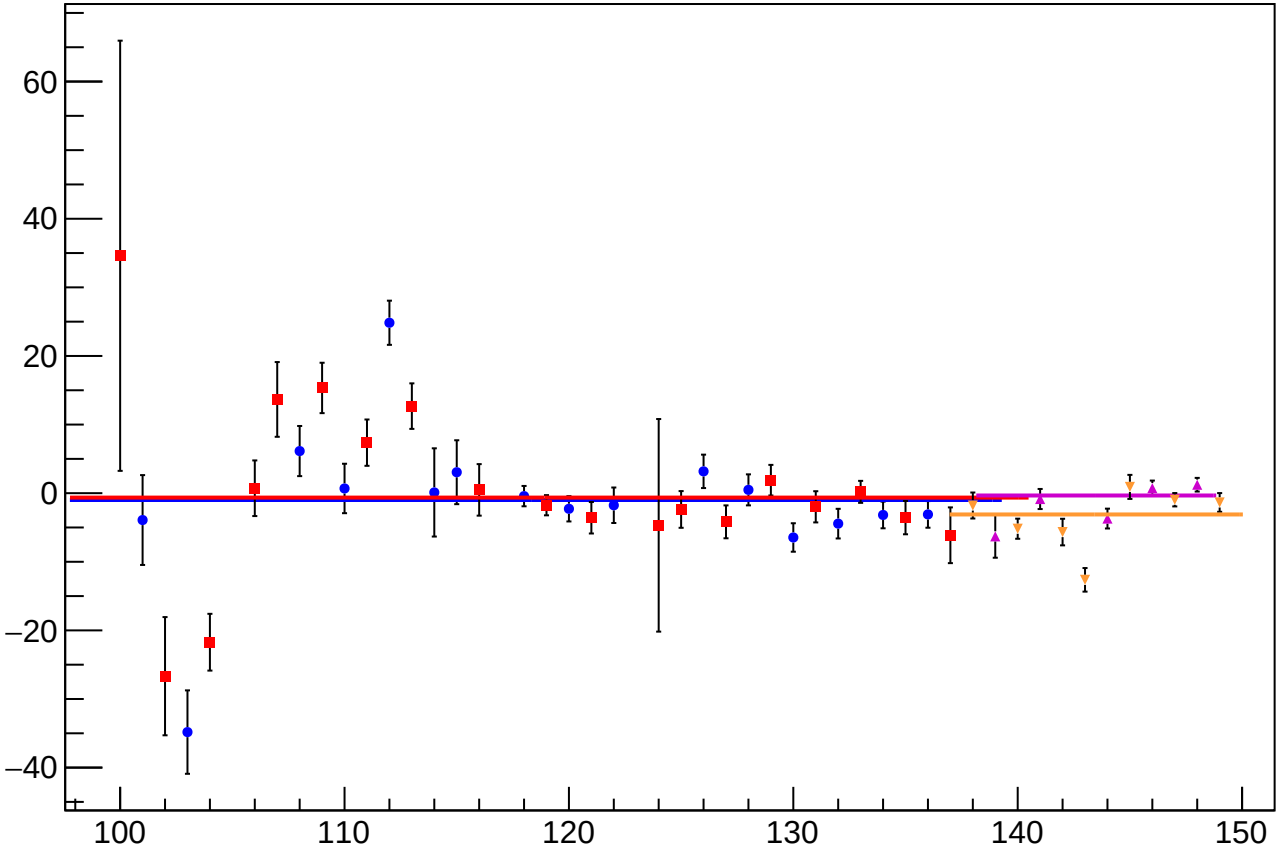
Left In: 12.871+/-0.864 χ^2/NDF:8.4/4

+ sign 15.294+/-0.484 χ^2/NDF: 1531.6/22

All: 13.028+/-0.348 χ^2/NDF: 3432.4/46

- 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: -3.102+/-0.553 χ^2/NDF:46.7/6

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

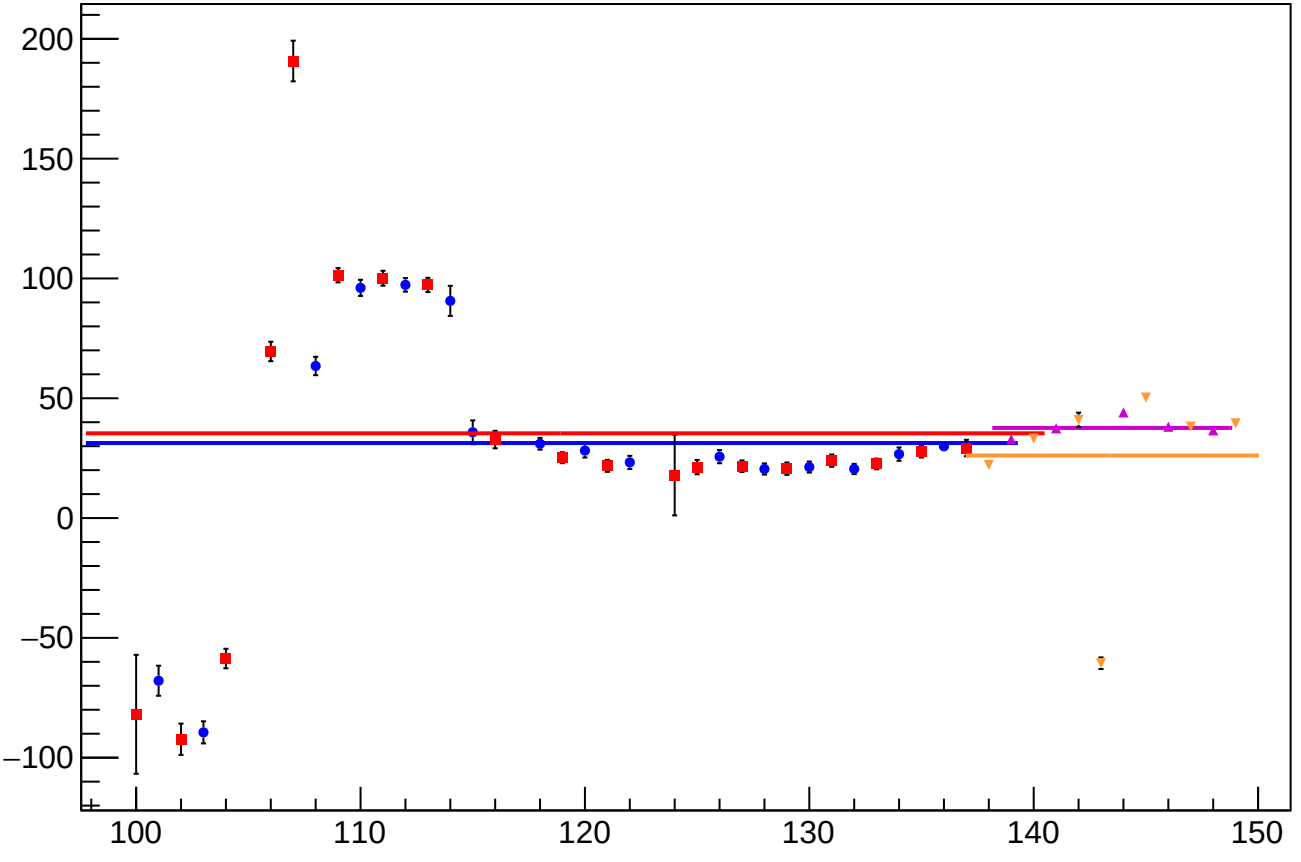
Left In: -0.338+/-0.590 χ^2/NDF:12.6/4

+ sign -2.166+/-0.413 χ^2/NDF: 169.5/22

All: -1.362+/-0.298 χ^2/NDF: 284.5/46

- 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: 26.121+/-0.787 χ^2/NDF:1537.5/6

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

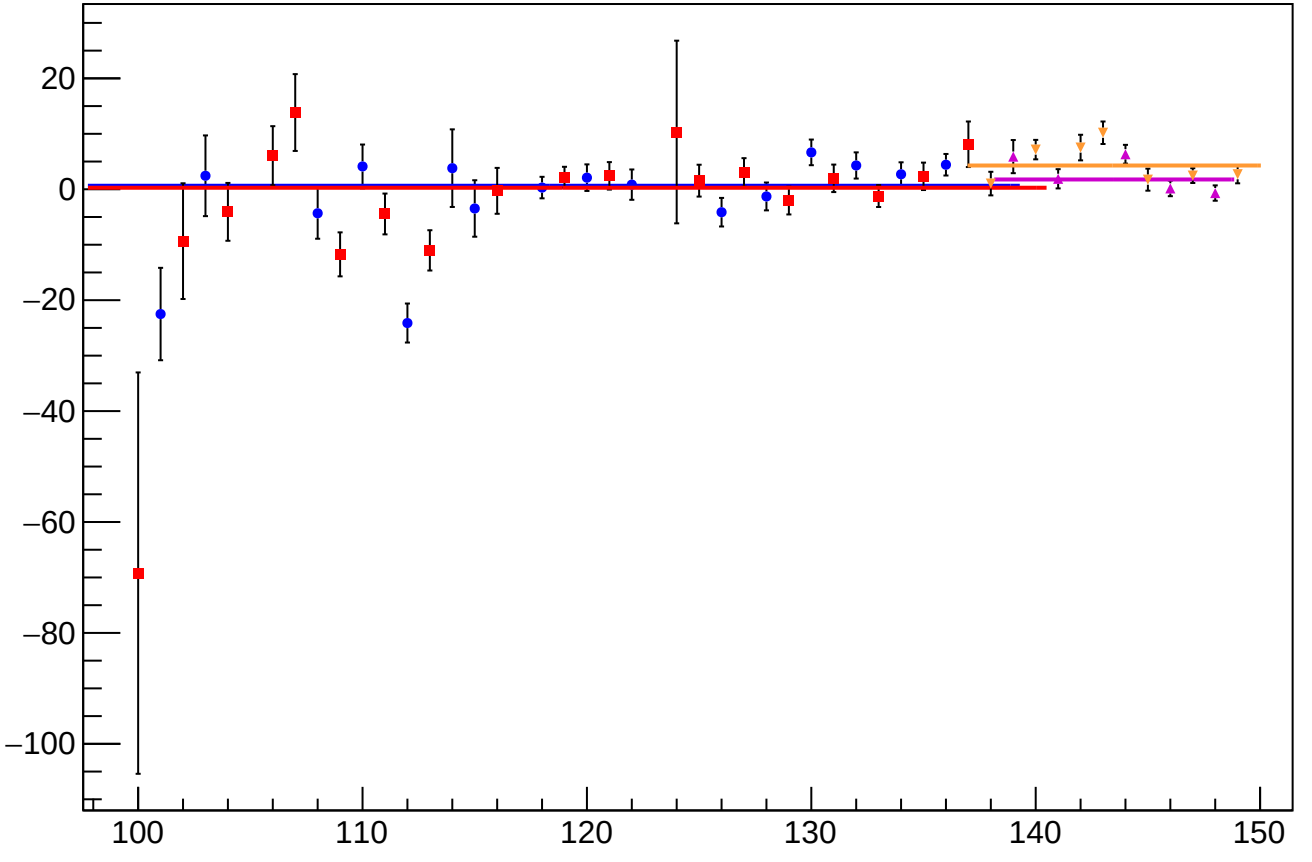
Left In: 37.621+/-0.864 χ^2/NDF:17.5/4

\+ sign 29.017+/-0.523 χ^2/NDF: 3647.7/22

All: 32.458+/-0.380 χ^2/NDF: 6658.3/46

\- 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: 4.285+/-0.680 χ^2/NDF:19.9/6

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

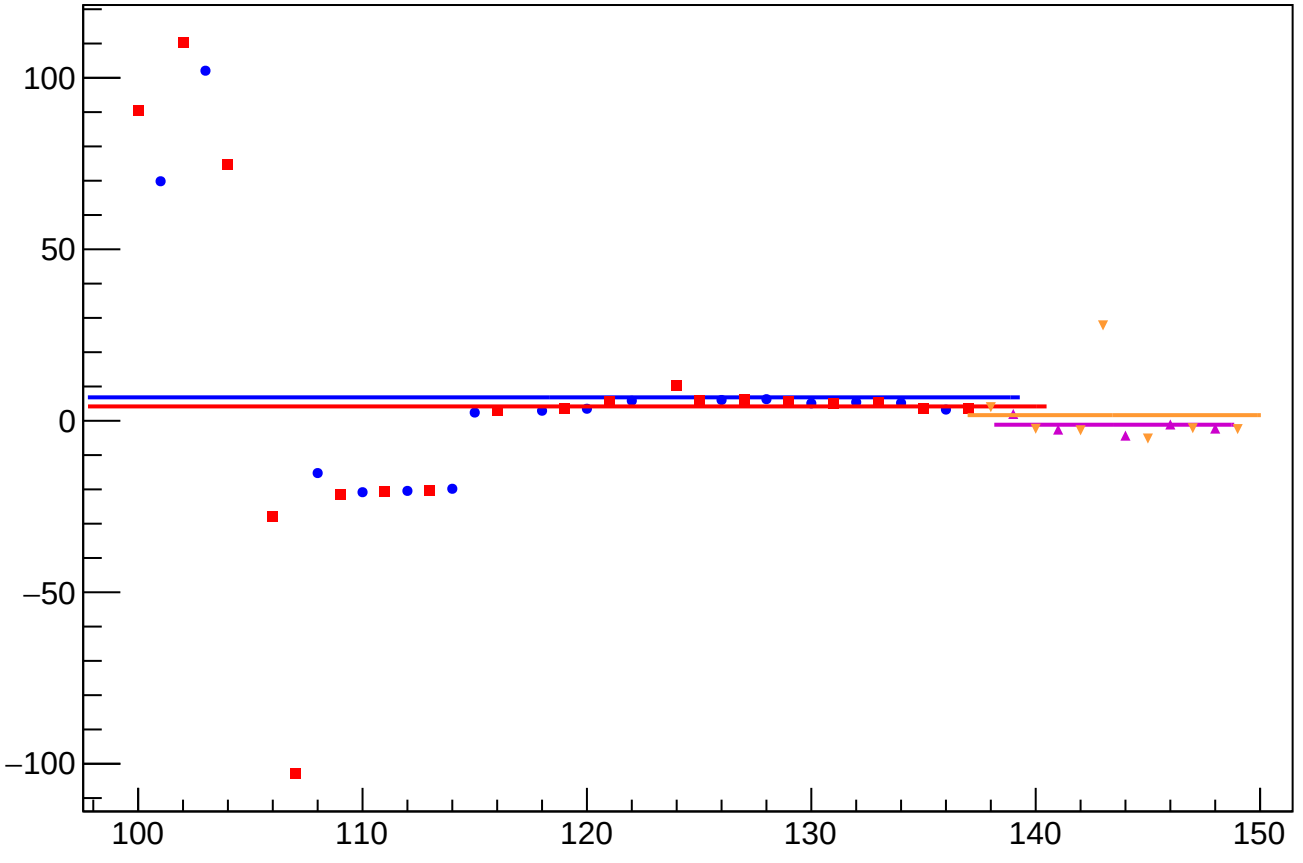
Left In: 1.767+/-0.741 χ^2/NDF:13.6/4

+ sign 2.525+/-0.489 χ^2/NDF: 112.3/22

All: 1.809+/-0.356 χ^2/NDF: 172.9/46

- 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: 1.645+/-0.033 χ^2/NDF:83394.3/6

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

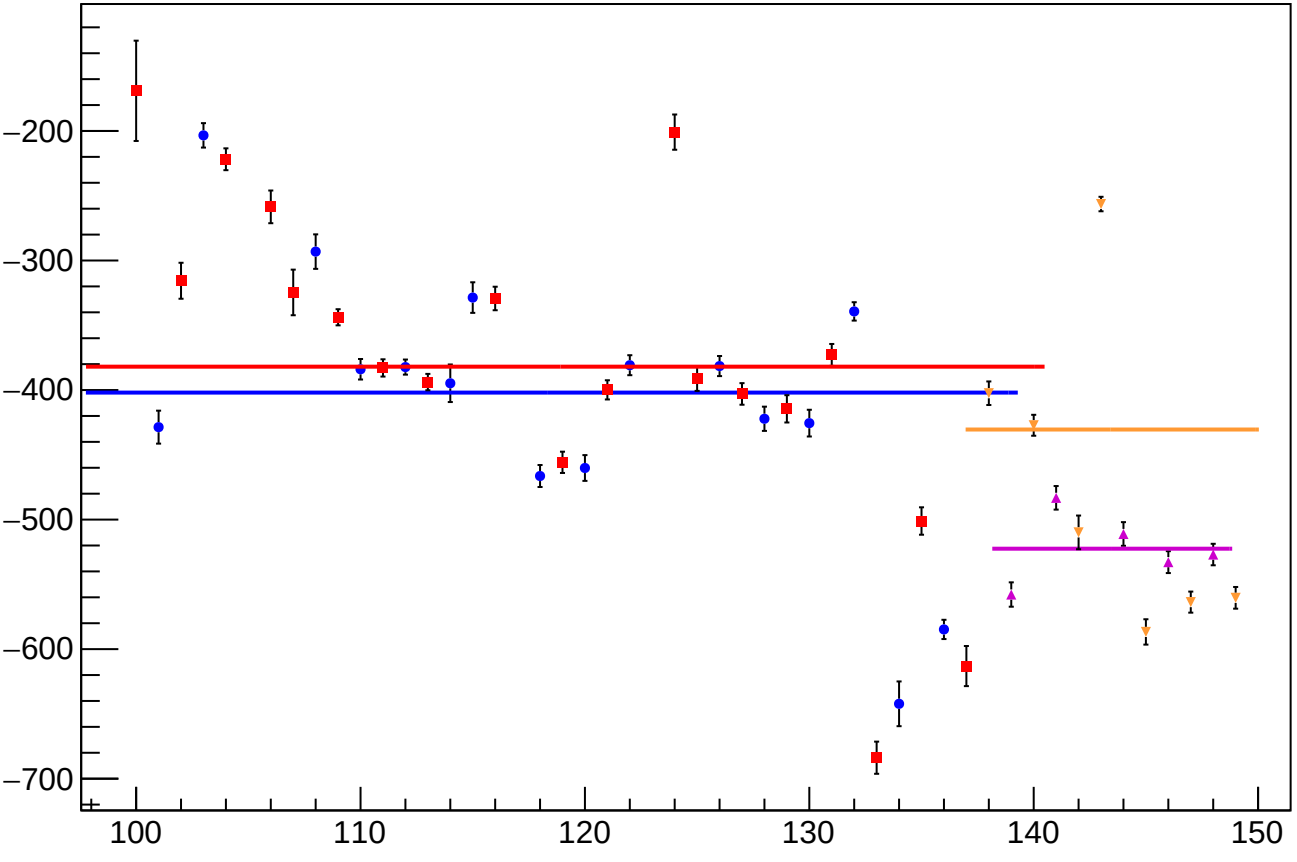
Left In: -1.146+/-0.035 χ^2/NDF:4134.9/4

+ sign 3.564+/-0.026 χ^2/NDF: 413609.1/22

All: 2.267+/-0.019 χ^2/NDF: 866082.5/46

- 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: -430.467+/-3.083 χ^2/NDF:1781.6/6

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

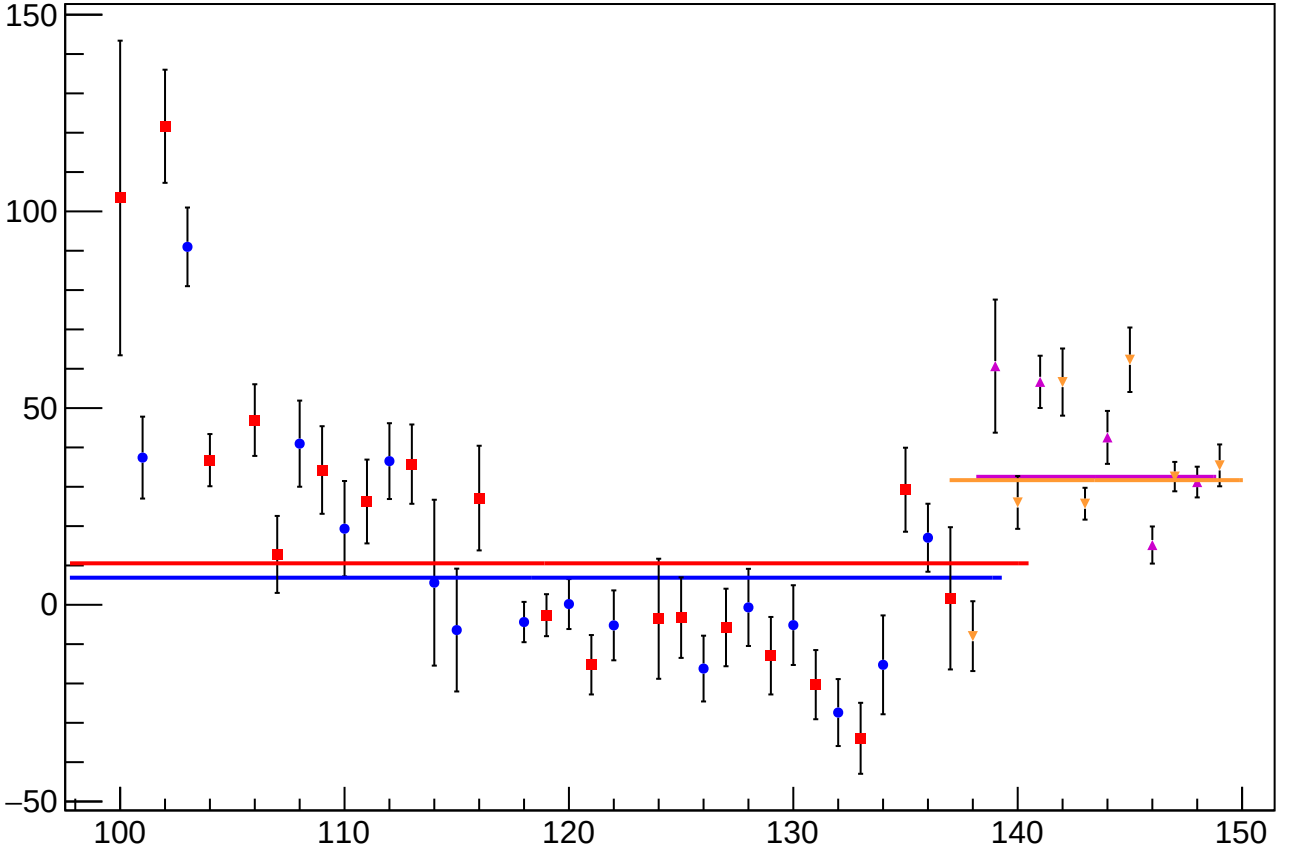
Left In: -522.467+/-3.955 χ^2/NDF:36.1/4

\+ sign -411.785+/-1.810 χ^2/NDF: 3400.9/22

All: -412.571+/-1.301 χ^2/NDF: 6234.4/46

\- 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: 31.685+/-2.078 χ^2/NDF:45.9/6

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

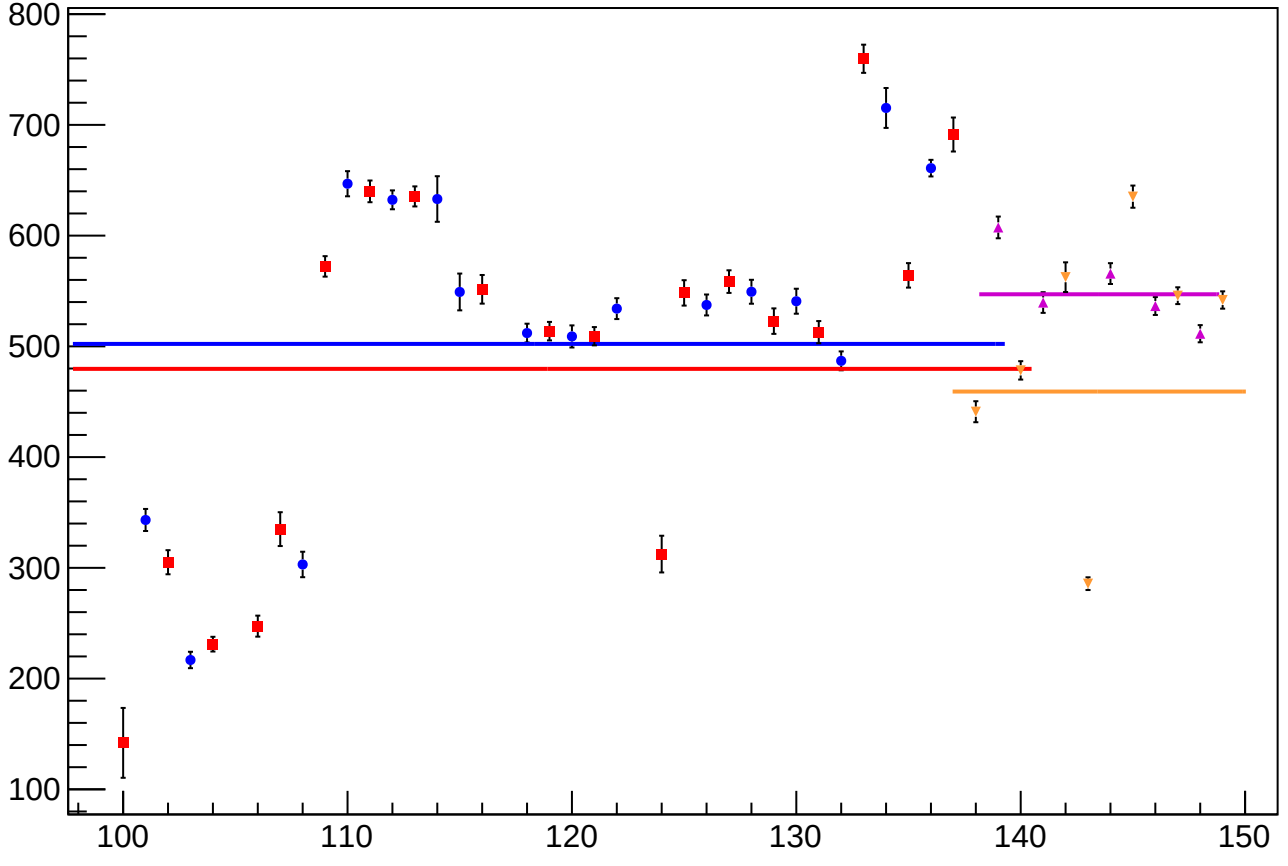
Left In: 32.533+/-2.510 χ^2/NDF:31.8/4

+ sign 20.350+/-1.531 χ^2/NDF: 249.4/22

All: 20.226+/-1.123 χ^2/NDF: 504.8/46

- 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: 459.197+/-3.084 χ^2/NDF:1530.8/6

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

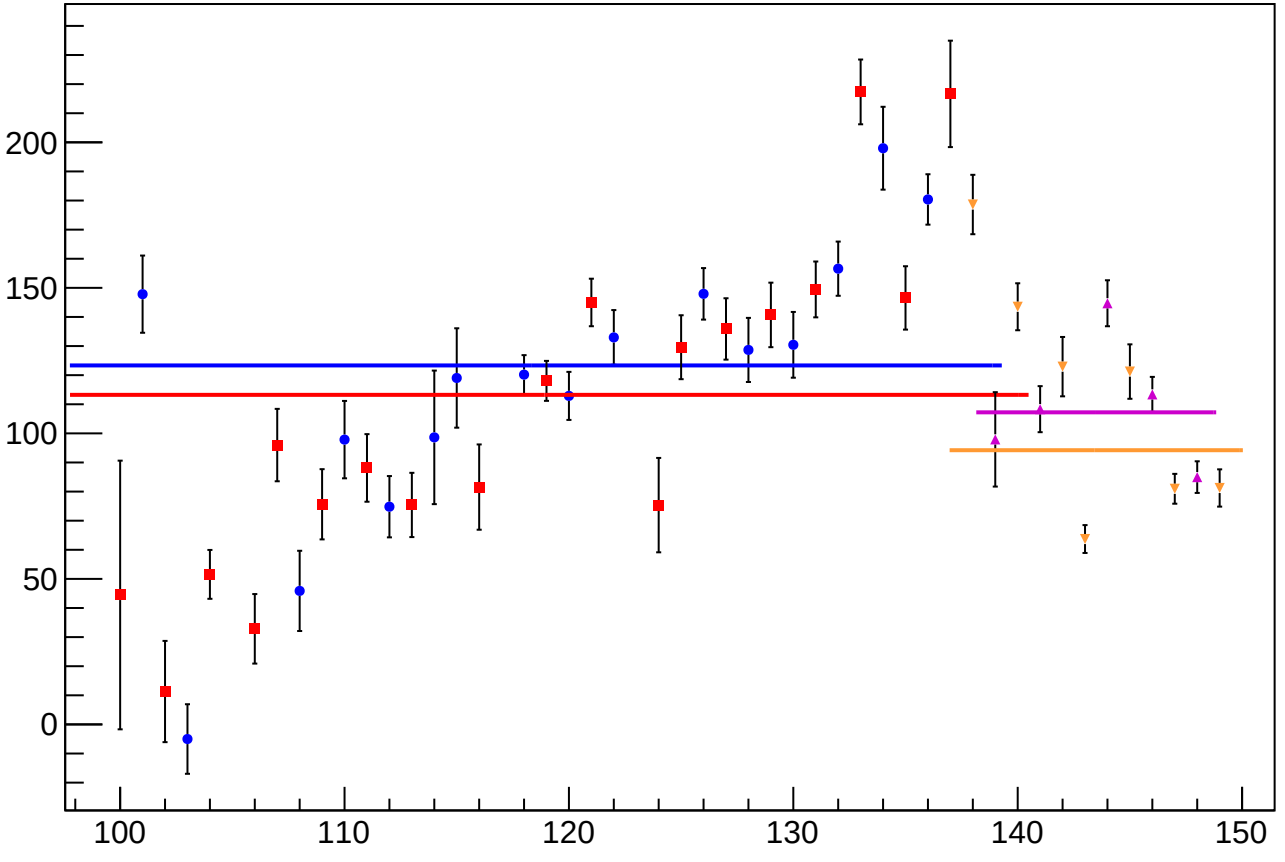
Left In: 547.033+/-3.919 χ^2/NDF:65.3/4

+ sign 485.213+/-1.939 χ^2/NDF: 4783.7/22

All: 491.282+/-1.407 χ^2/NDF: 9223.1/46

- 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: 94.215+/-2.564 χ^2/NDF:173.4/6

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

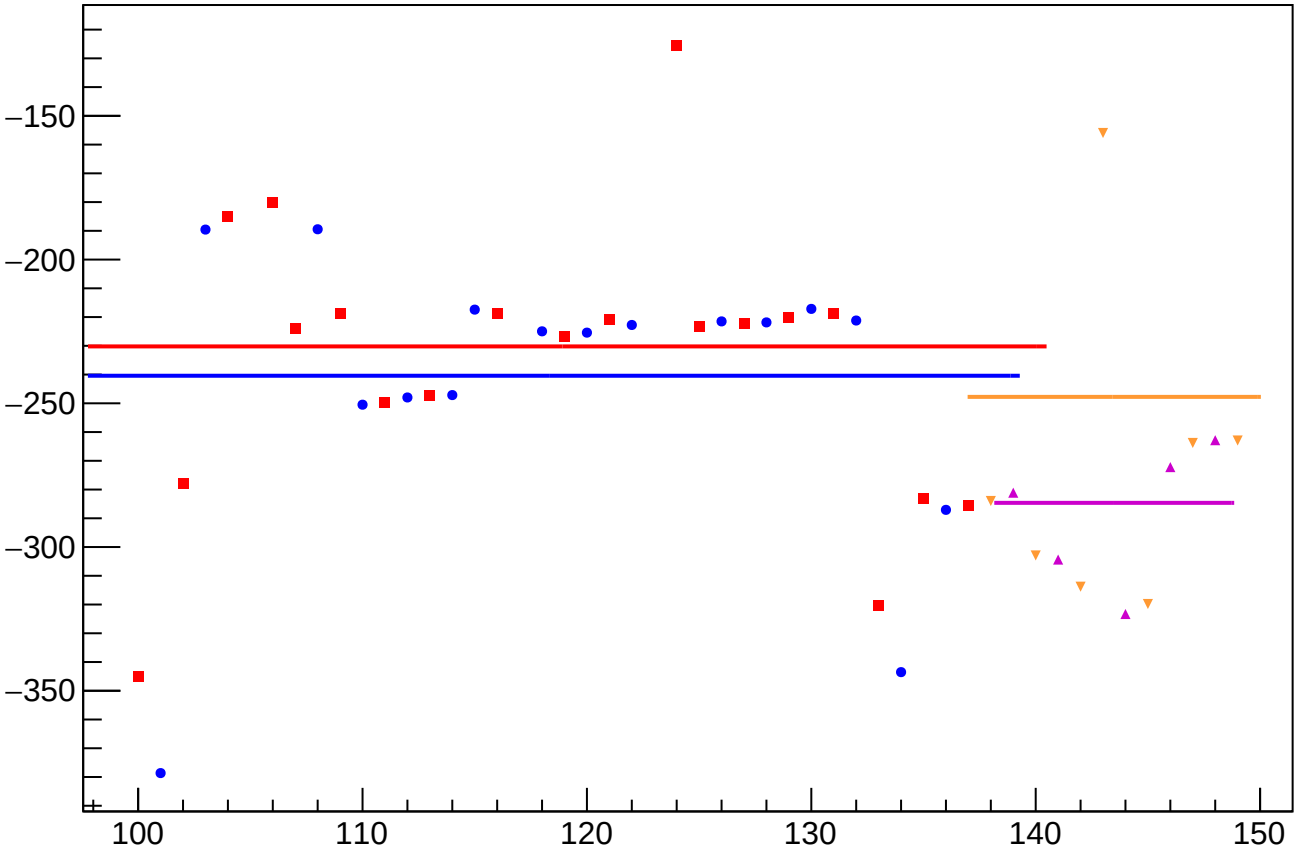
Left In: 107.228+/-3.205 χ^2/NDF:40.7/4

+ sign 108.428+/-1.835 χ^2/NDF: 507.7/22

All: 109.568+/-1.350 χ^2/NDF: 897.2/46

- 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: -247.762+/-0.130 χ^2/NDF:229986.7/6

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

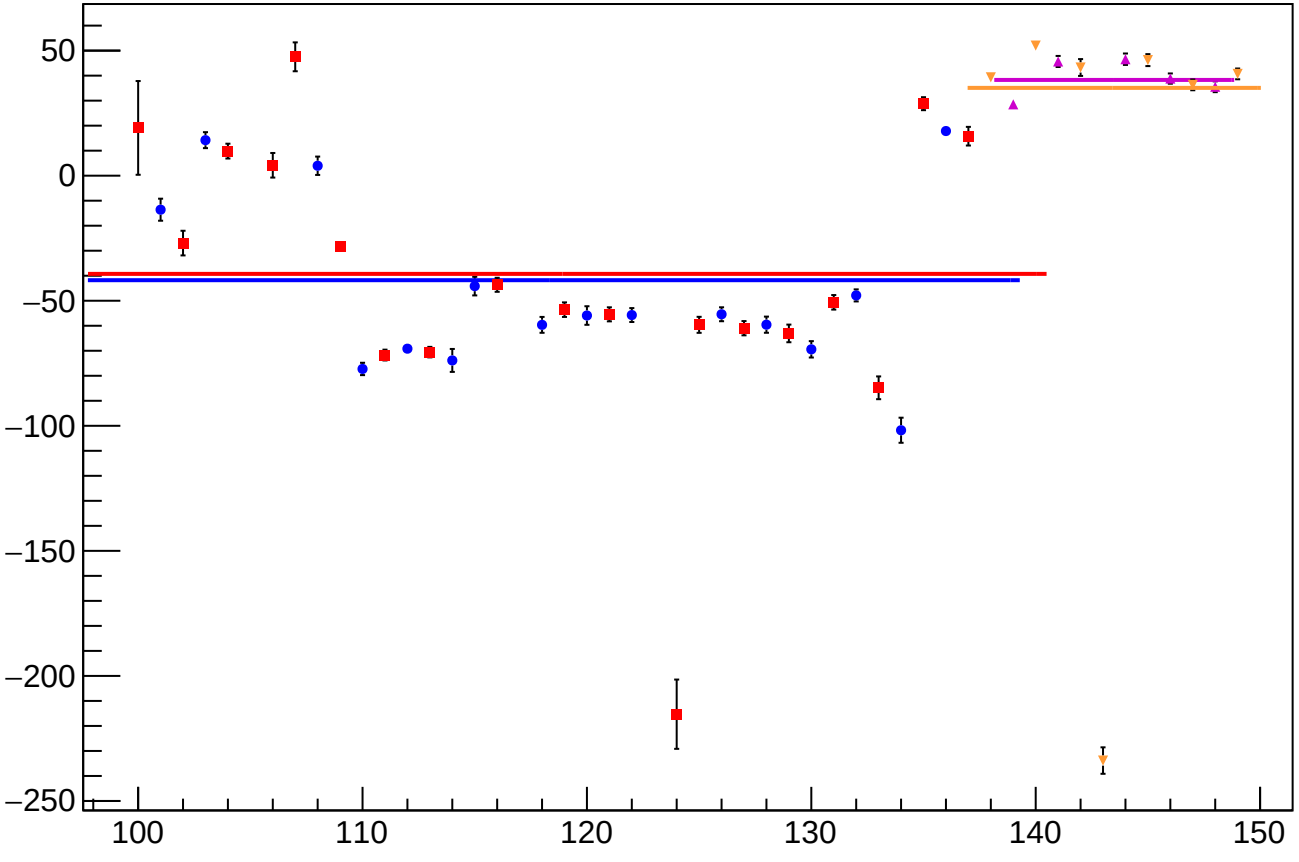
Left In: -284.629+/-0.160 χ^2/NDF:17272.1/4

+ sign -244.625+/-0.098 χ^2/NDF: 365504.3/22

All: -249.333+/-0.073 χ^2/NDF: 534161.5/46

- 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: 35.105+/-0.894 χ^2/NDF:2698.5/6

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

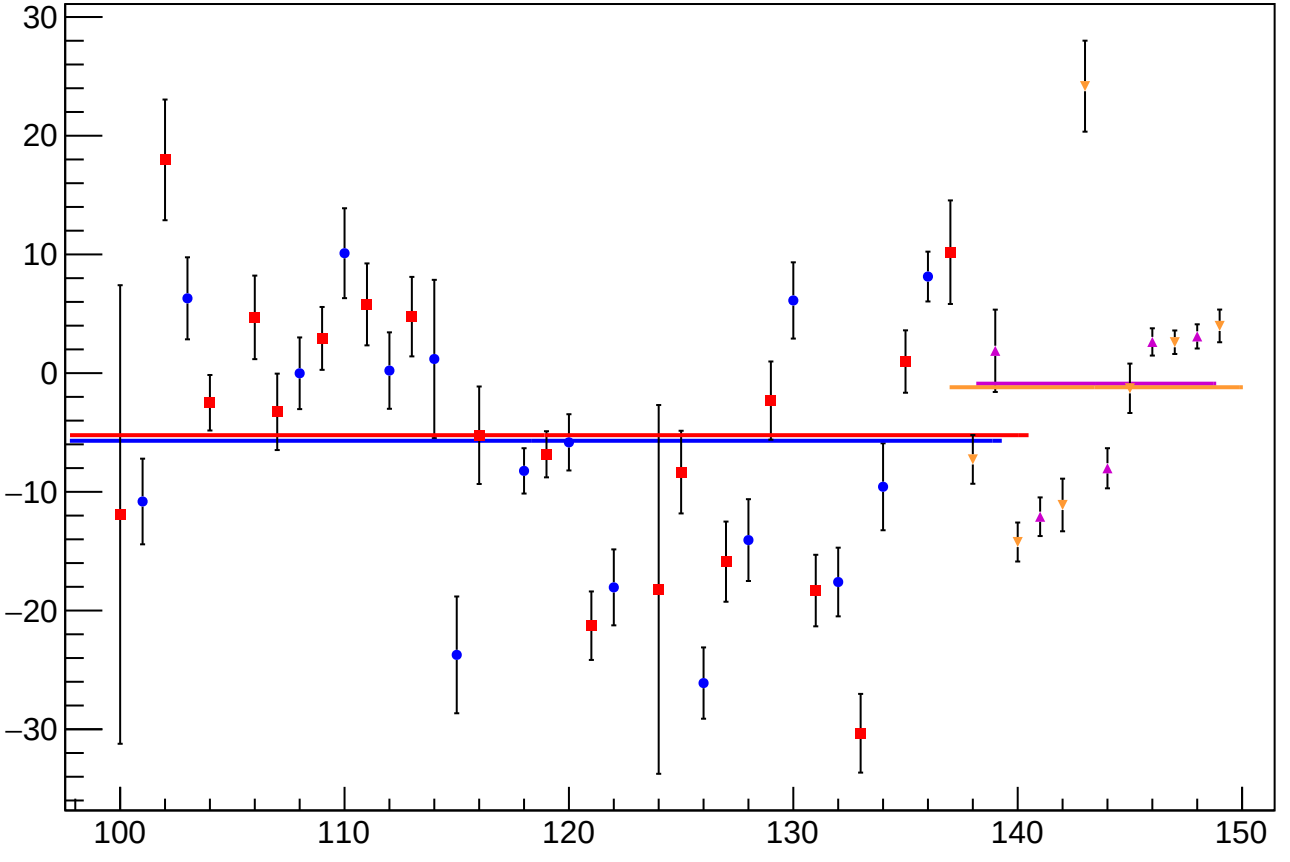
Left In: 38.282+/-0.945 χ^2/NDF:51.6/4

+ sign -11.361+/-0.562 χ^2/NDF: 9578.2/22

All: -12.116+/-0.394 χ^2/NDF: 16546.9/46

- 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: -1.188+/-0.613 χ^2/NDF:164.4/6

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

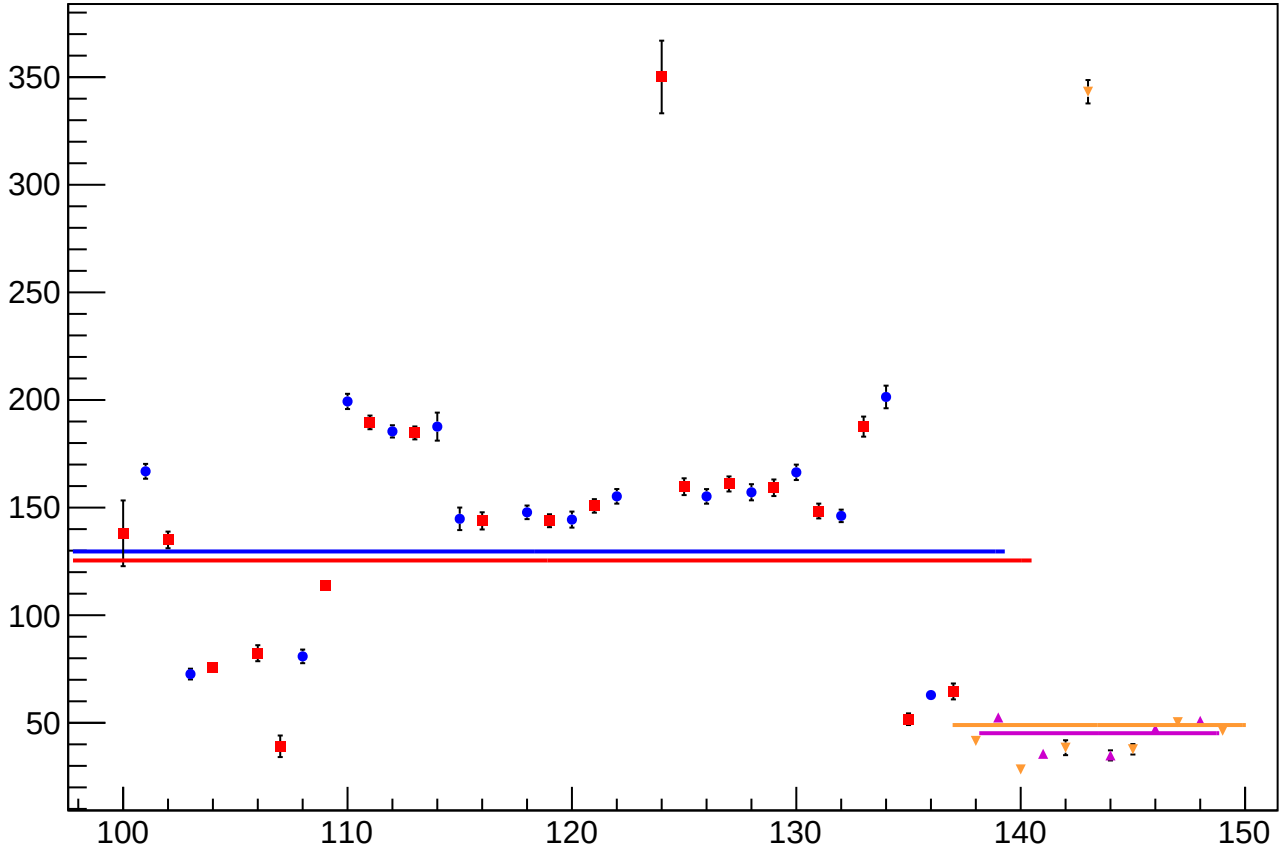
Left In: -0.888+/-0.629 χ^2/NDF:90.5/4

+ sign -2.987+/-0.476 χ^2/NDF: 382.6/22

All: -2.848+/-0.338 χ^2/NDF: 690.6/46

- 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: 48.971+/-0.888 χ^2/NDF:3077.1/6

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

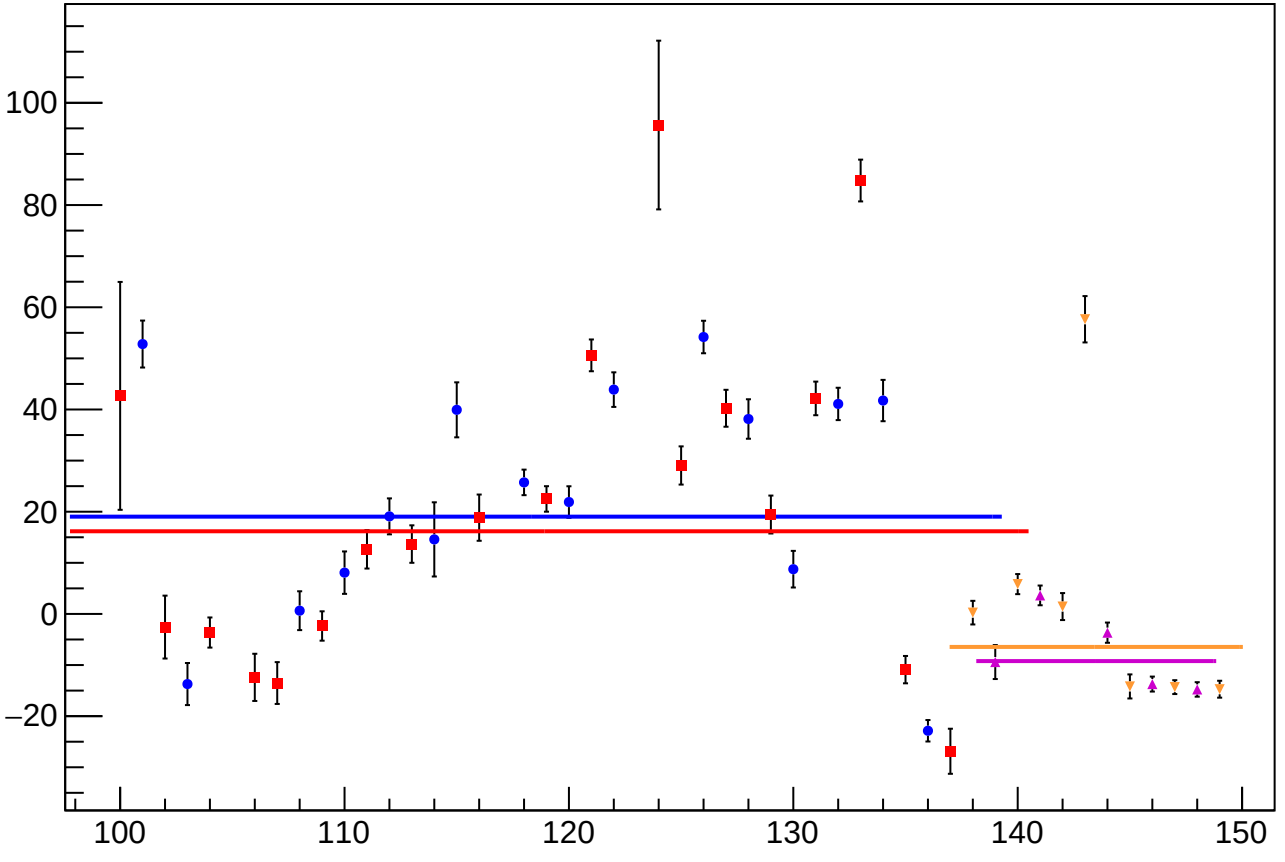
Left In: 45.178+/-0.942 χ^2/NDF:59.2/4

+ sign 93.470+/-0.595 χ^2/NDF: 11250.0/22

All: 92.888+/-0.424 χ^2/NDF: 19079.2/46

- 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: -6.455+/-0.761 χ^2/NDF:325.8/6

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

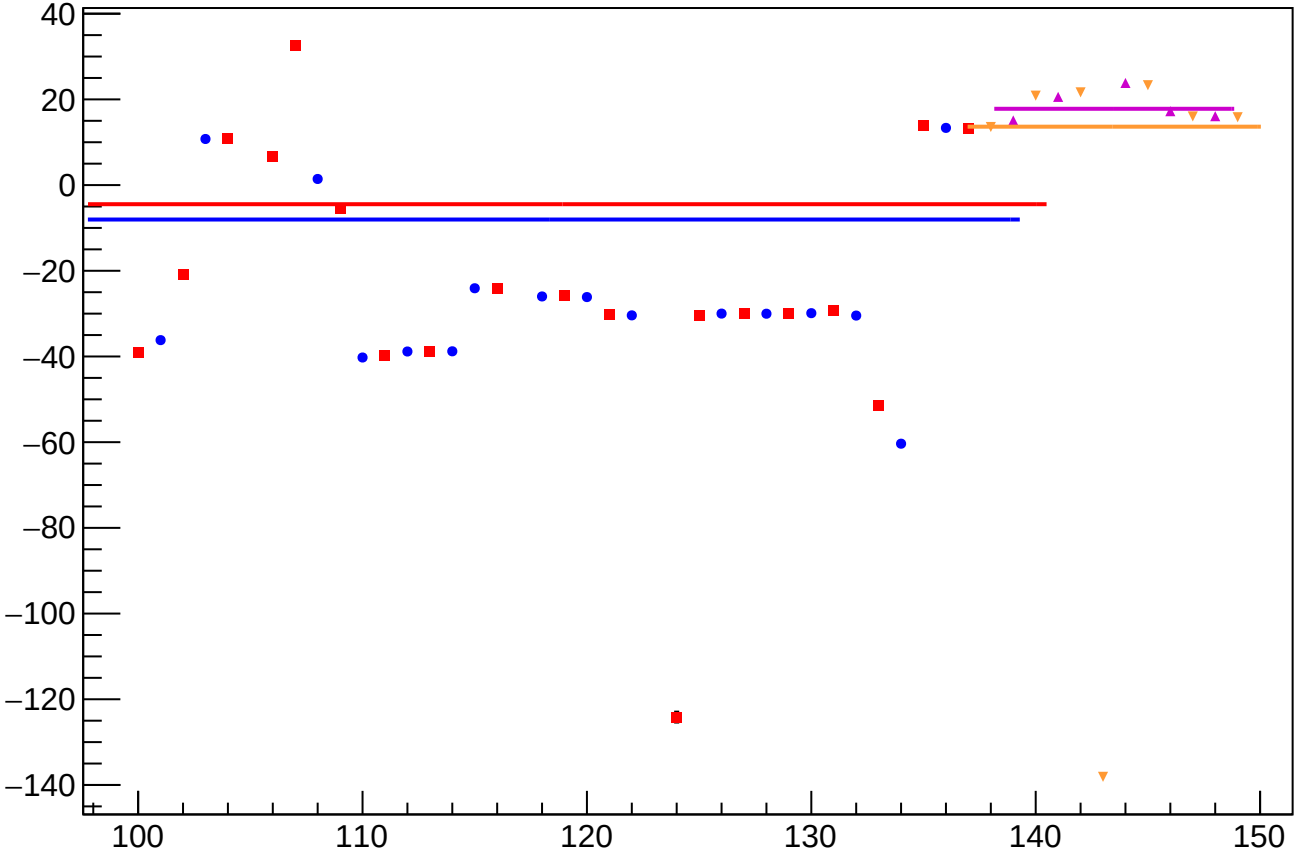
Left In: -9.226+/-0.796 χ^2/NDF:76.9/4

+ sign 4.738+/-0.570 χ^2/NDF: 1676.7/22

All: 3.739+/-0.406 χ^2/NDF: 3179.2/46

- 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: 13.631+/-0.037 χ^2/NDF:470054.6/6

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

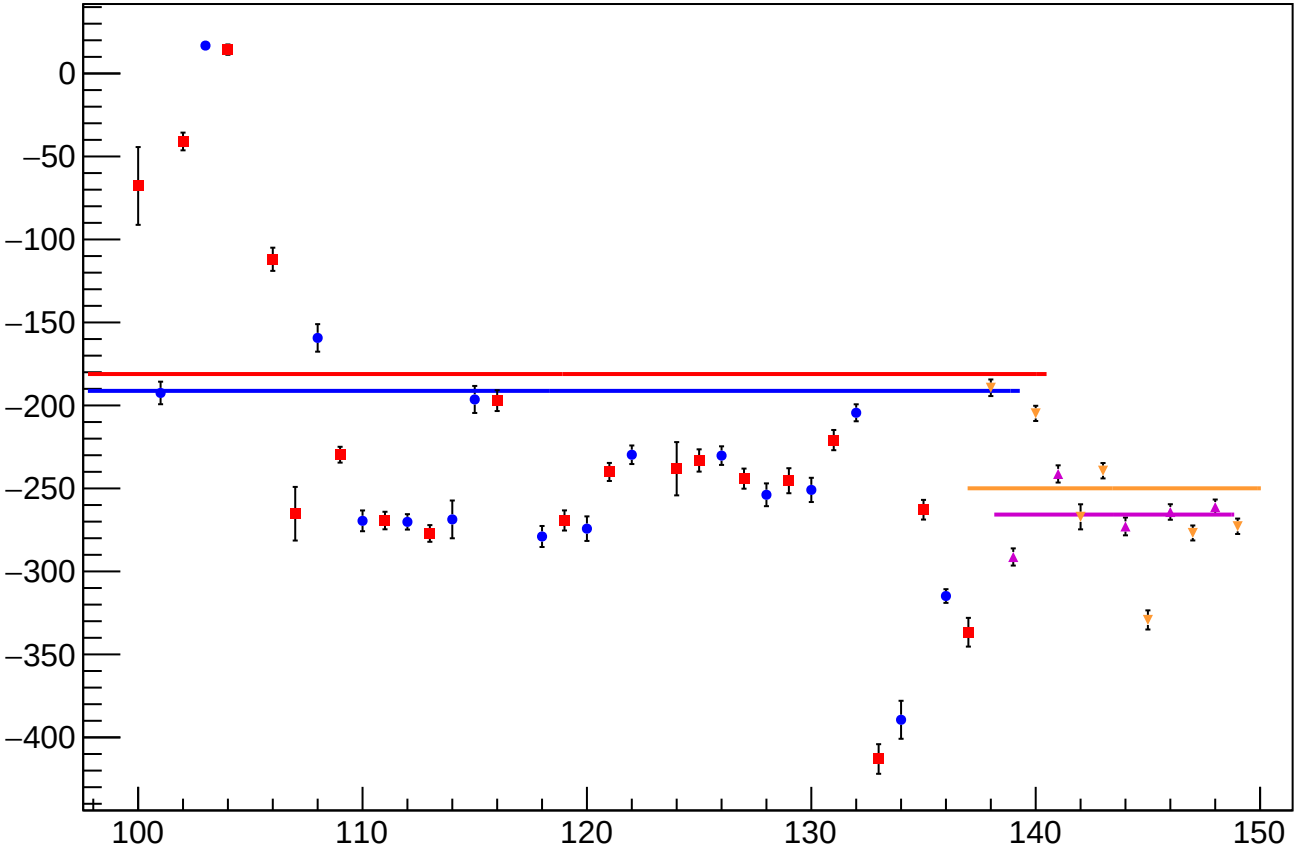
Left In: 17.807+/-0.038 χ^2/NDF:6119.8/4

+ sign 5.042+/-0.029 χ^2/NDF: 872894.9/22

All: 6.960+/-0.021 χ^2/NDF: 1252949.7/46

- 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: -249.928+/-1.899 χ^2/NDF:503.2/6

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

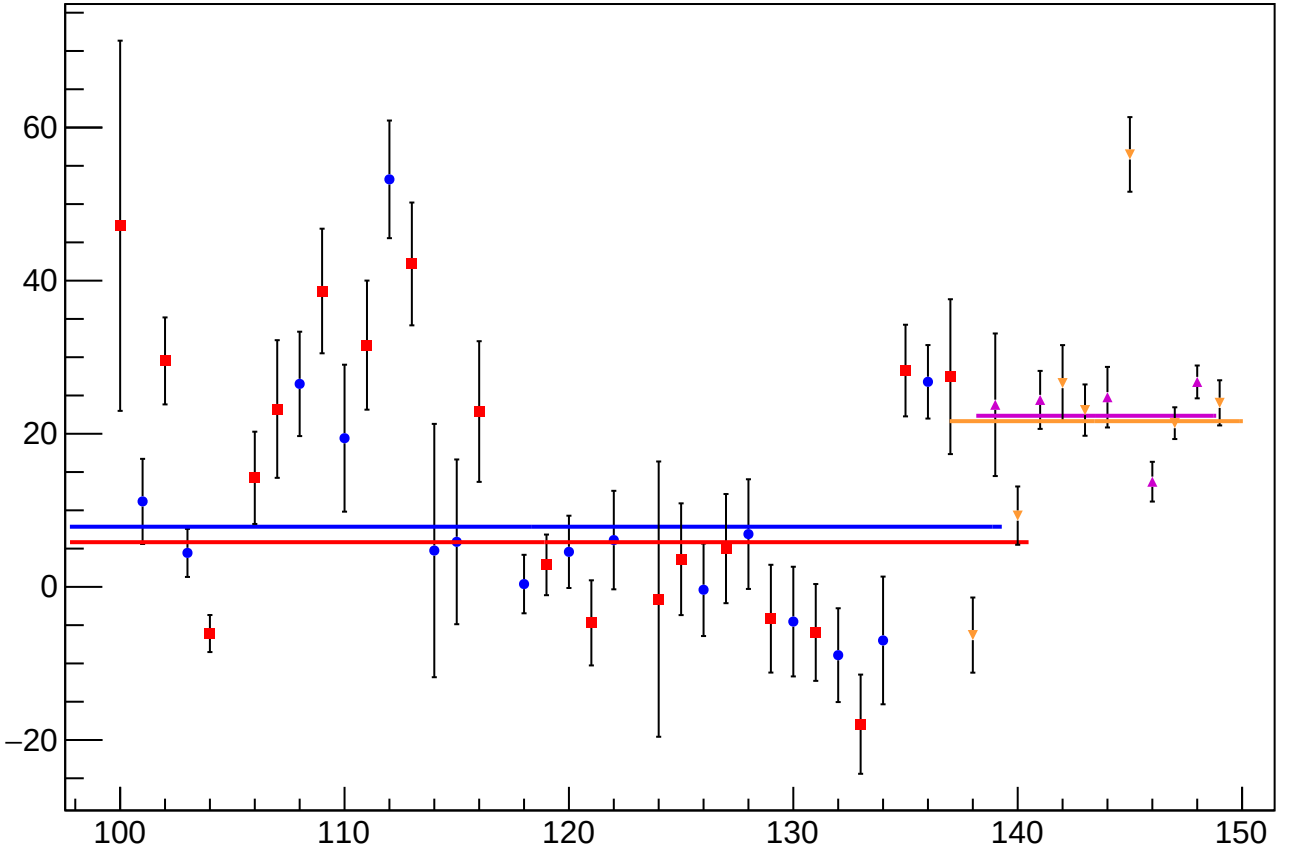
Left In: -265.753+/-2.219 χ^2/NDF:49.5/4

\+ sign -212.248+/-1.137 χ^2/NDF: 8341.1/22

All: -208.624+/-0.816 χ^2/NDF: 16834.7/46

\- 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: 21.646+/-1.260 χ^2/NDF:95.9/6

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

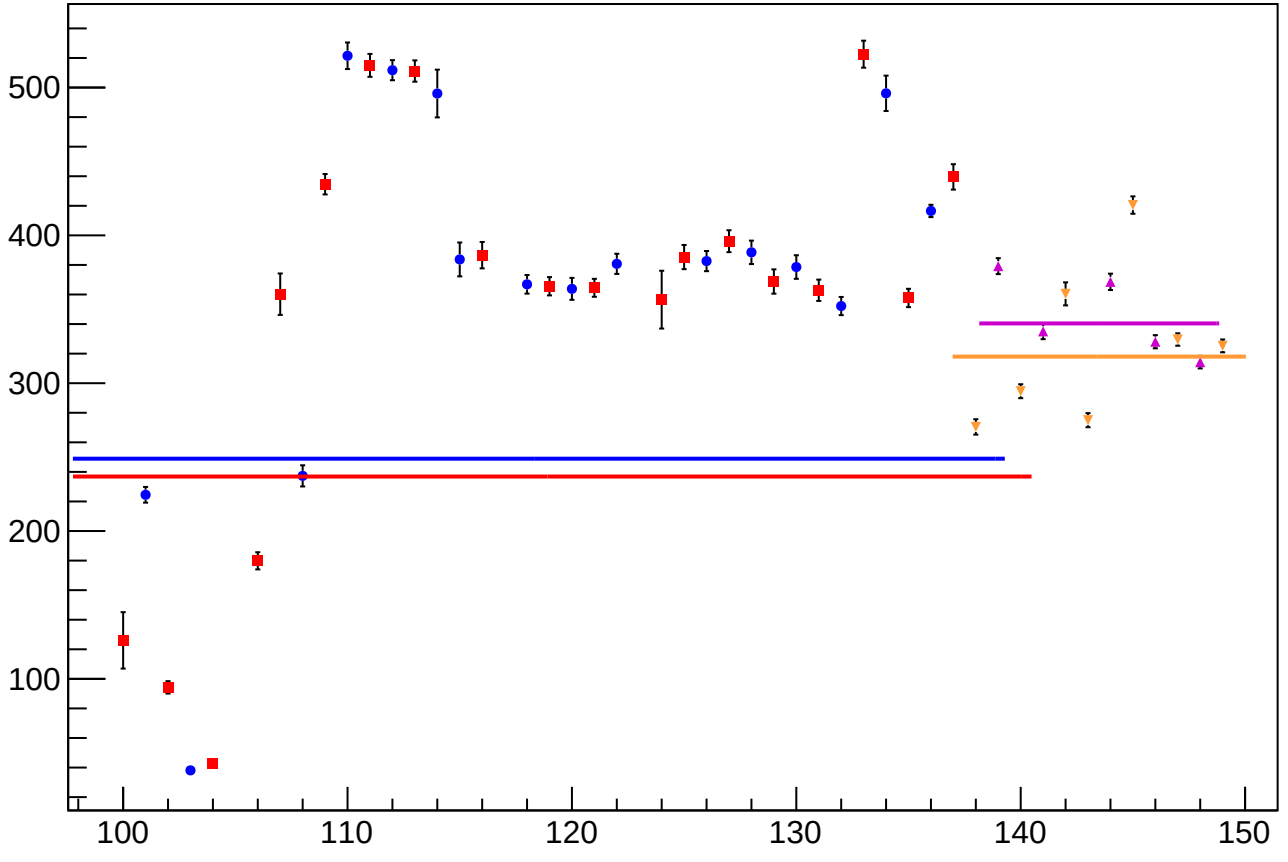
Left In: 22.351+/-1.399 χ^2/NDF:15.9/4

+ sign 15.656+/-0.948 χ^2/NDF: 228.8/22

All: 14.769+/-0.679 χ^2/NDF: 460.2/46

- 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: 317.987+/-1.887 χ^2/NDF:532.7/6

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

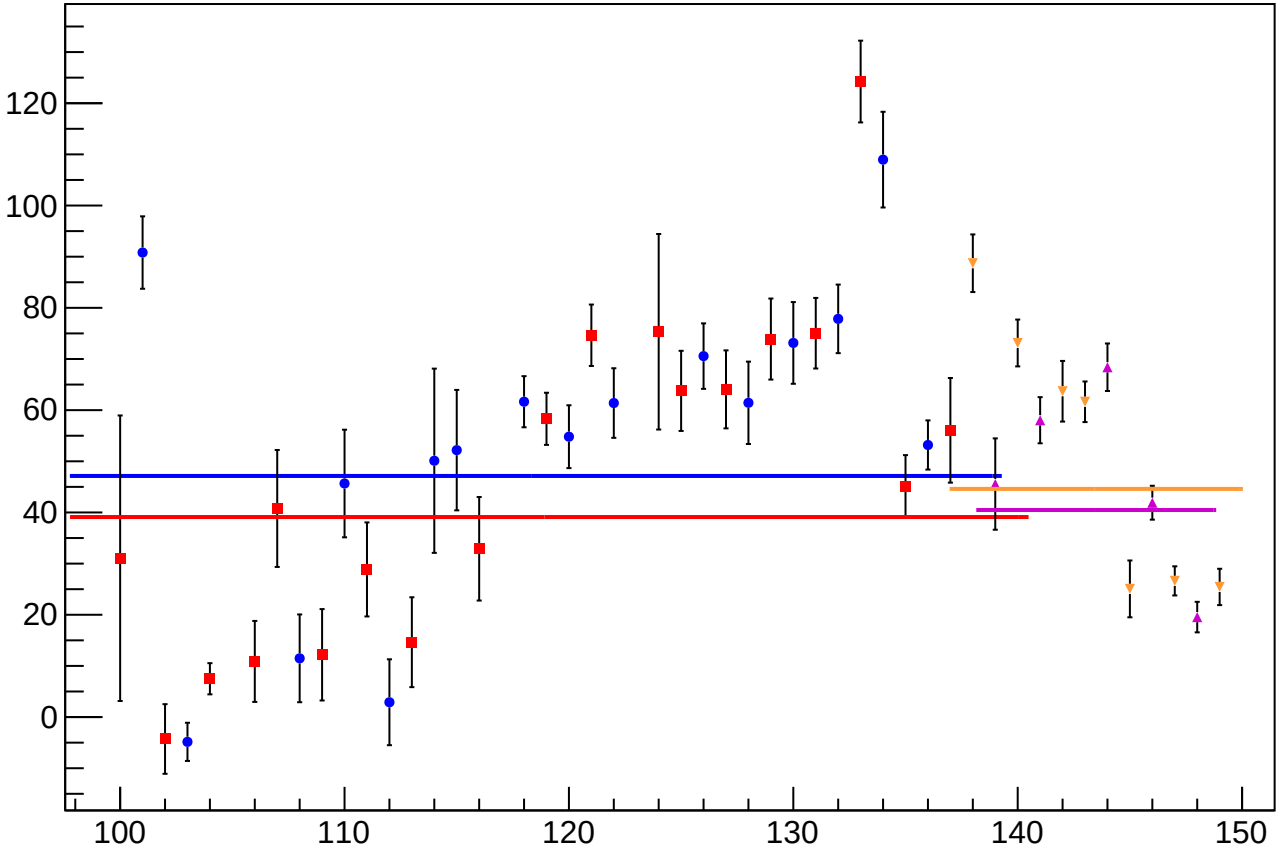
Left In: 340.426+/-2.195 χ^2/NDF:123.8/4

+ sign 273.933+/-1.136 χ^2/NDF: 16689.1/22

All: 270.620+/-0.820 χ^2/NDF: 34065.6/46

- 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: 44.608+/-1.569 χ^2/NDF:210.4/6

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

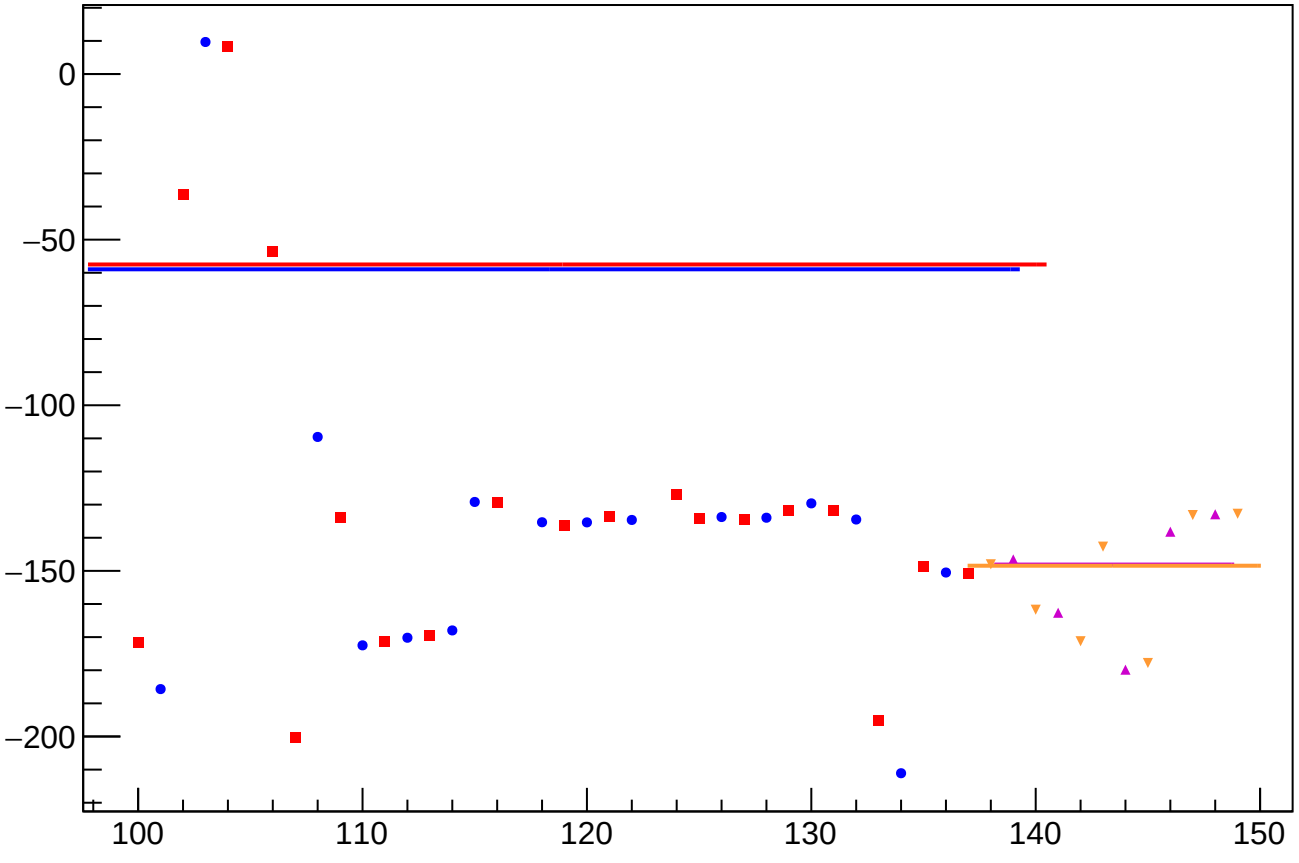
Left In: 40.484+/-1.792 χ^2/NDF:101.0/4

+ sign 45.795+/-1.143 χ^2/NDF: 596.9/22

All: 42.883+/-0.825 χ^2/NDF: 1128.2/46

- 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: -148.443+/-0.080 χ^2/NDF:39853.1/6

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

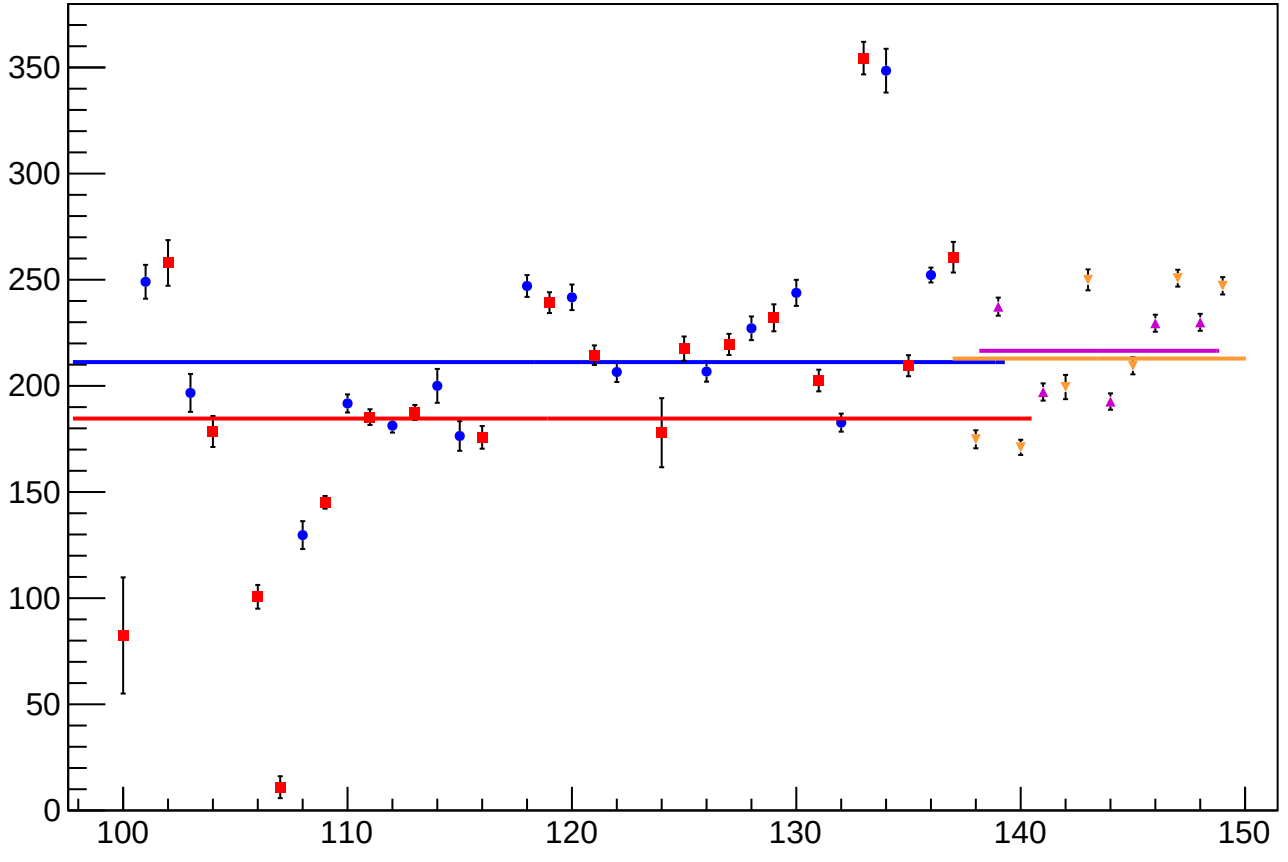
Left In: -148.101+/-0.089 χ^2/NDF:31324.0/4

+ sign -99.545+/-0.054 χ^2/NDF: 1955921.2/22

All: -97.167+/-0.039 χ^2/NDF: 3470214.2/46

- 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: 212.876+/-1.601 χ^2/NDF:440.7/6

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

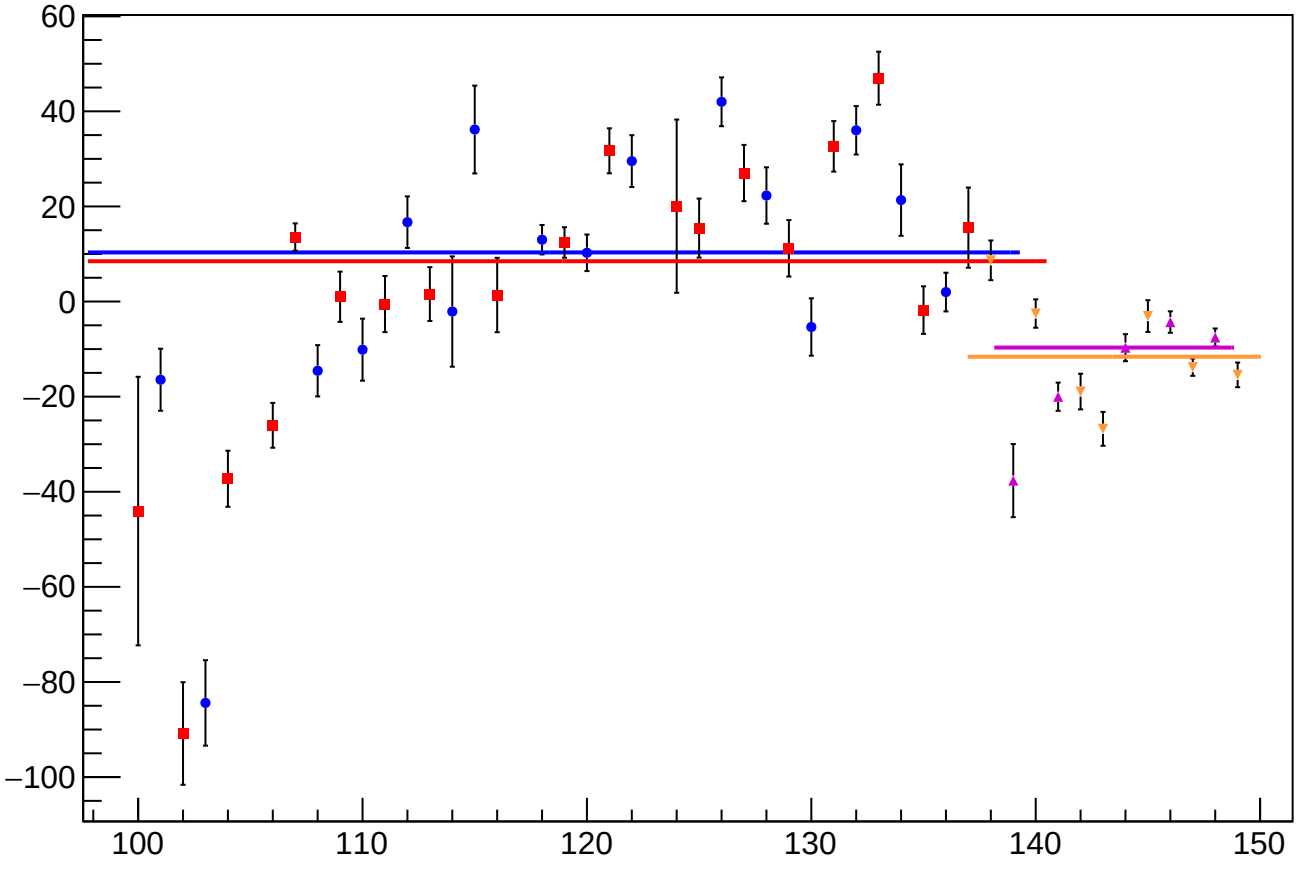
Left In: 216.535+/-1.803 χ^2/NDF:106.9/4

+ sign 211.869+/-1.007 χ^2/NDF: 1224.4/22

All: 203.004+/-0.708 χ^2/NDF: 4242.8/46

- 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: -11.599+/-1.080 χ^2/NDF:64.9/6

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

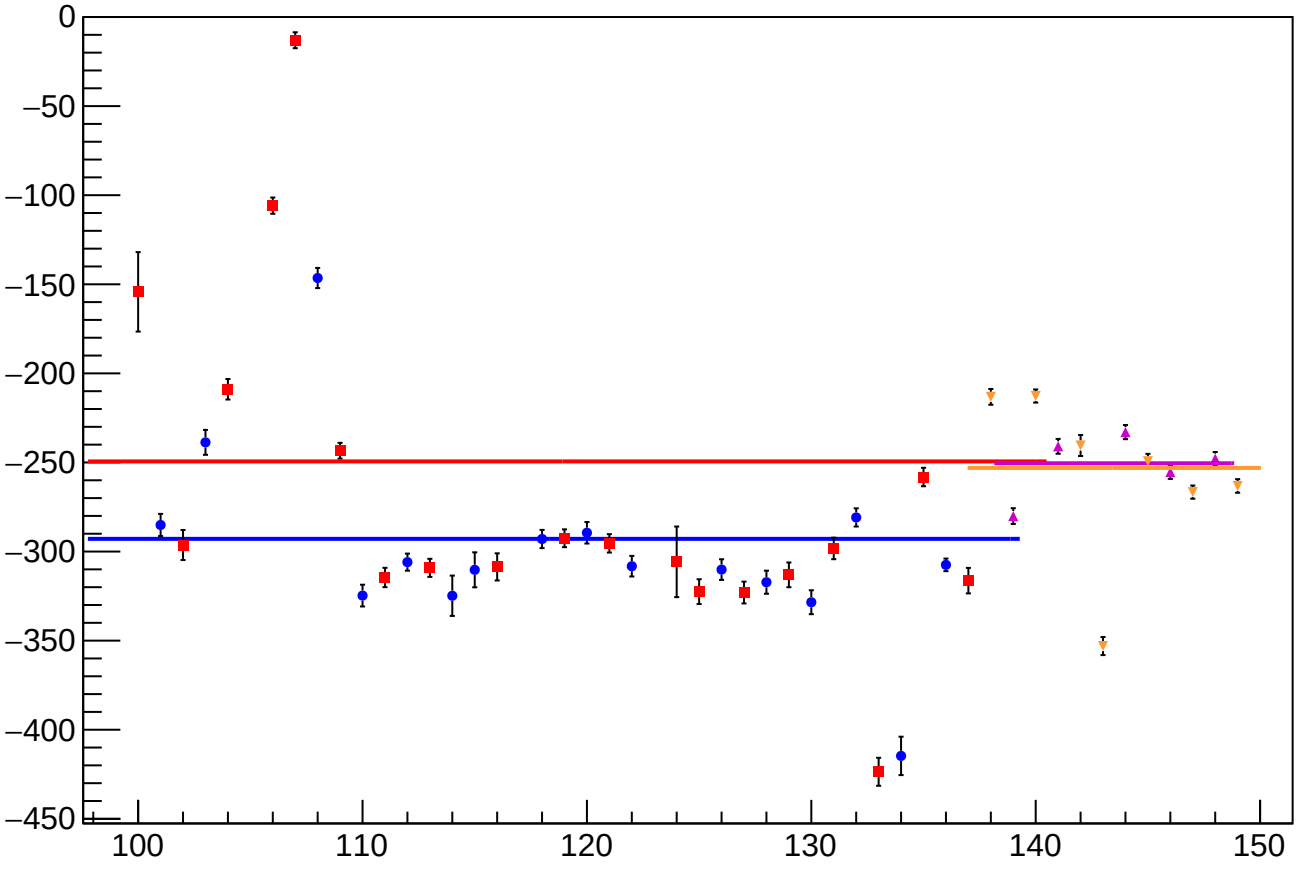
Left In: -9.678+/-1.170 χ^2/NDF:32.3/4

+ sign -2.909+/-0.839 χ^2/NDF: 491.7/22

All: -1.971+/-0.596 χ^2/NDF: 963.8/46

- 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: -253.064+/-1.596 χ^2/NDF:616.8/6

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

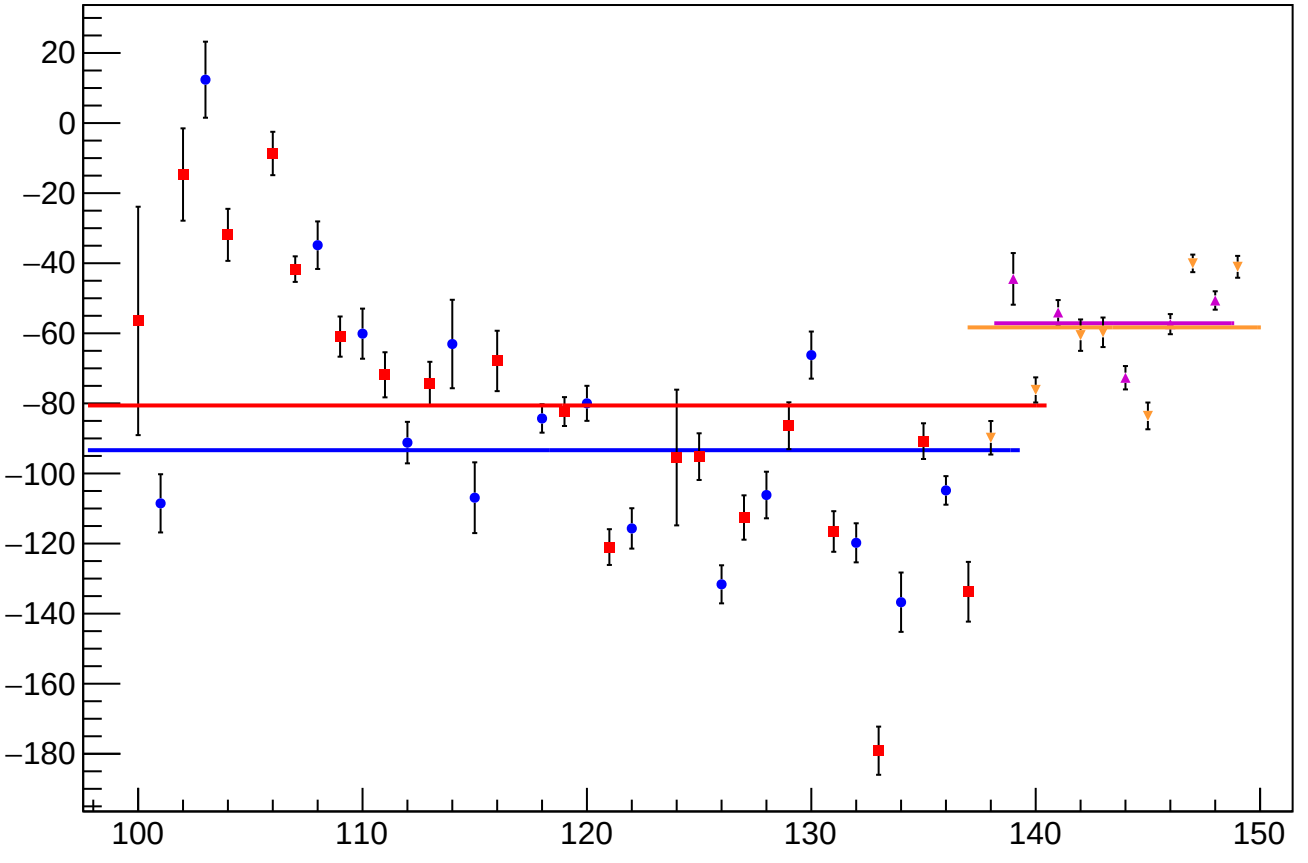
Left In: -250.447+/-1.793 χ^2/NDF:71.4/4

+ sign -274.635+/-1.080 χ^2/NDF: 1937.4/22

All: -262.302+/-0.767 χ^2/NDF: 7640.1/46

- 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: -58.312+/-1.339 χ^2/NDF:196.1/6

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

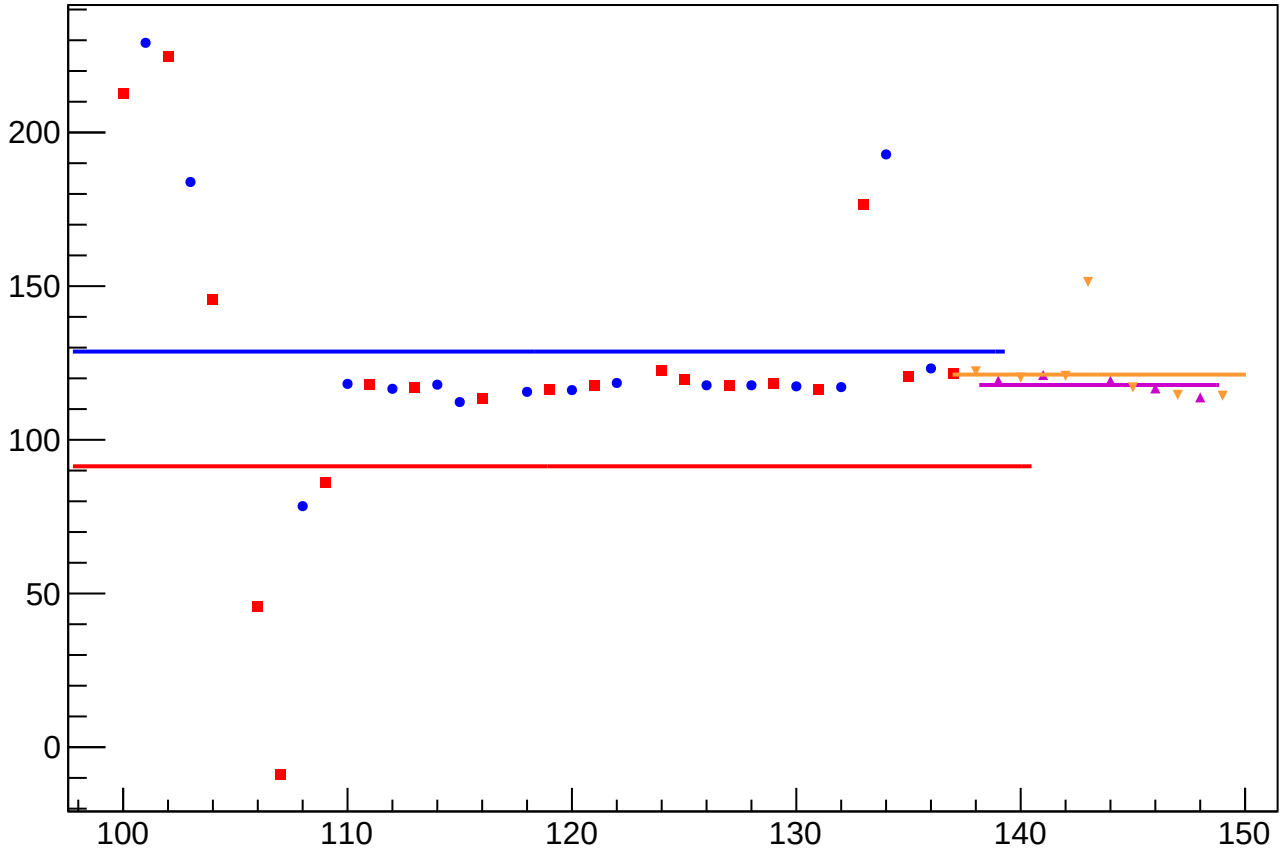
Left In: -57.143+/-1.483 χ^2/NDF:31.6/4

+ sign -73.457+/-1.009 χ^2/NDF: 847.7/22

All: -71.437+/-0.720 χ^2/NDF: 1732.9/46

- 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: 121.224+/-0.067 χ^2/NDF:24564.8/6

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

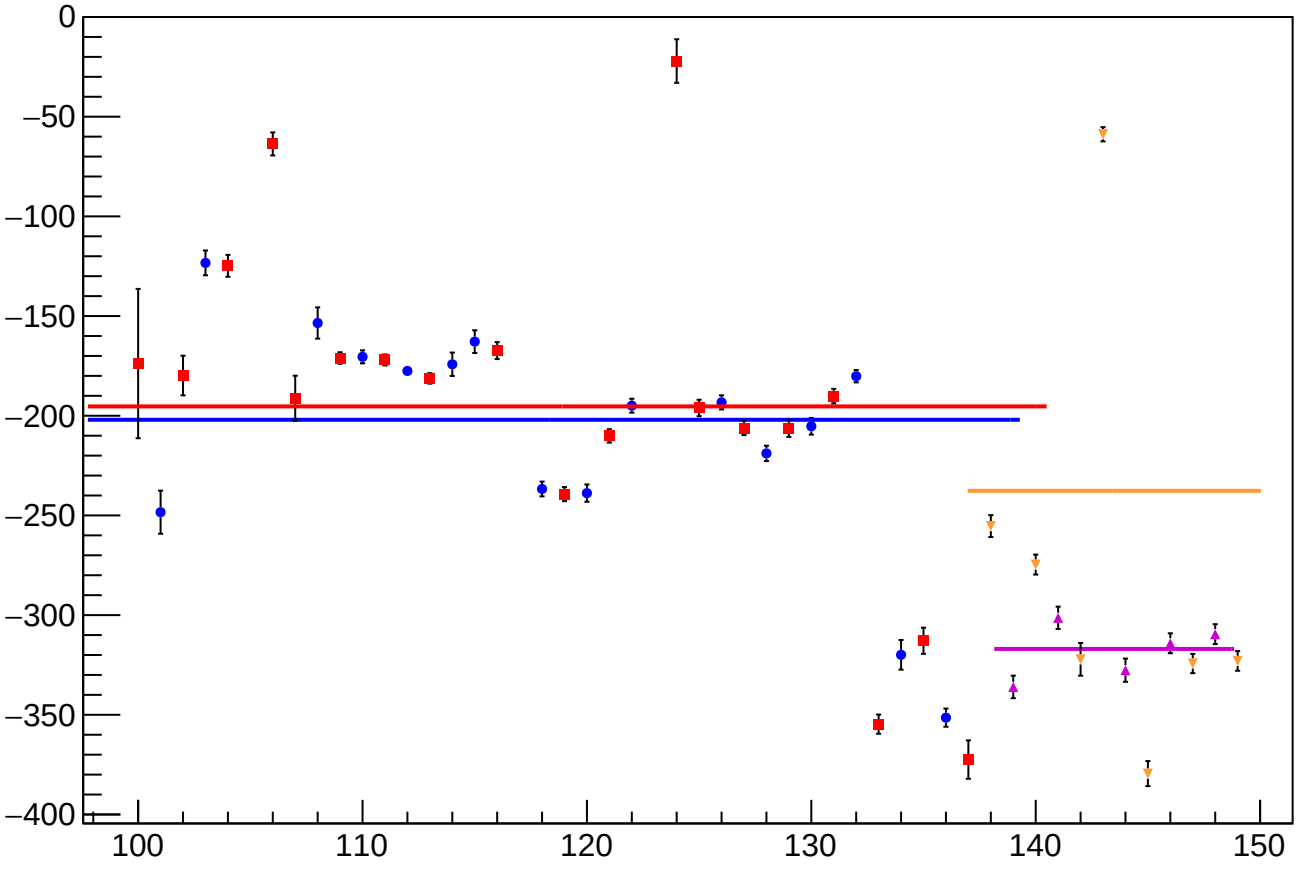
Left In: 117.844+/-0.073 χ^2/NDF:1264.9/4

+ sign 123.941+/-0.054 χ^2/NDF: 212588.9/22

All: 114.788+/-0.038 χ^2/NDF: 937200.6/46

- 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: -237.649+/-1.904 χ^2/NDF:3827.9/6

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

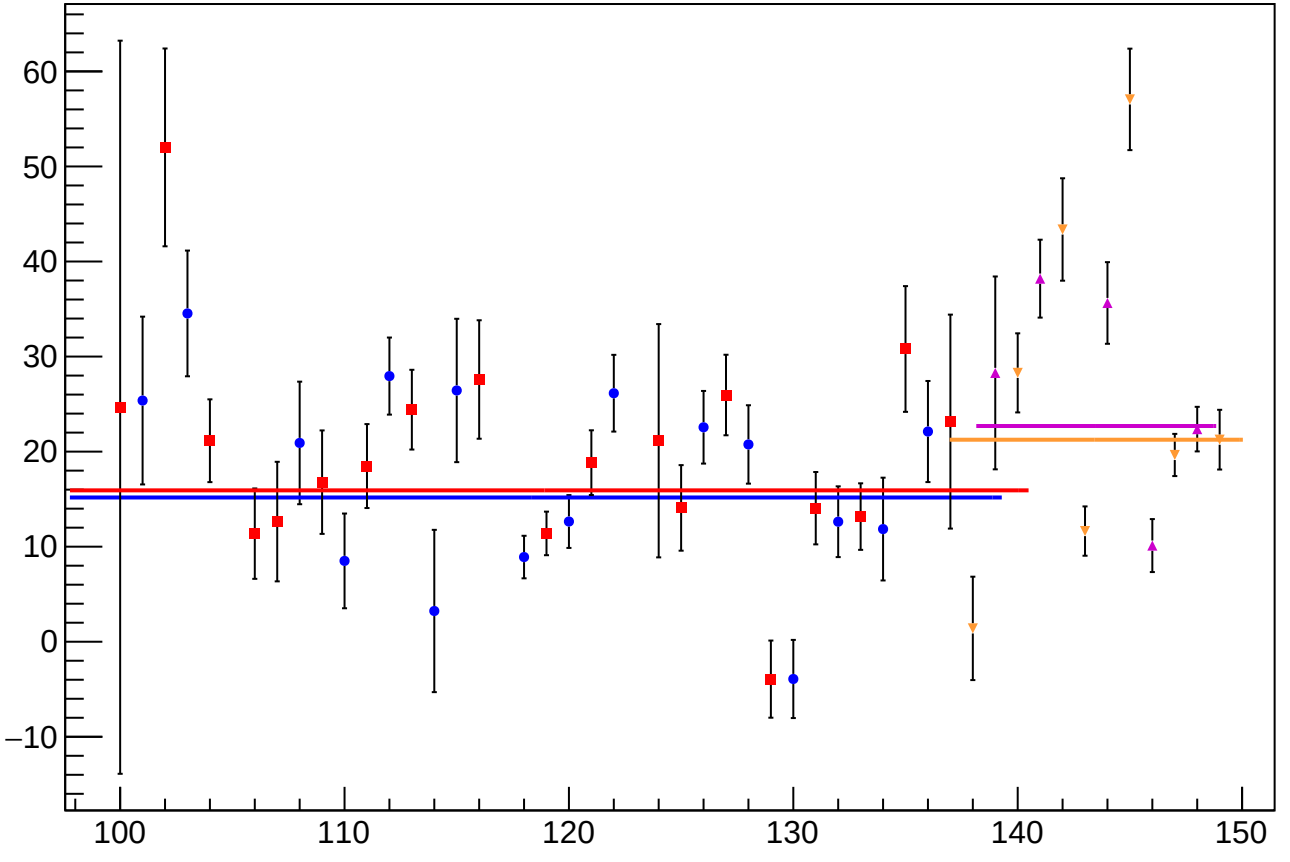
Left In: -316.969+/-2.404 χ^2/NDF:25.0/4

\+ sign -210.016+/-0.902 χ^2/NDF: 6139.9/22

All: -211.241+/-0.638 χ^2/NDF: 11469.4/46

\- 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: 21.252+/-1.276 χ^2/NDF:92.3/6

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

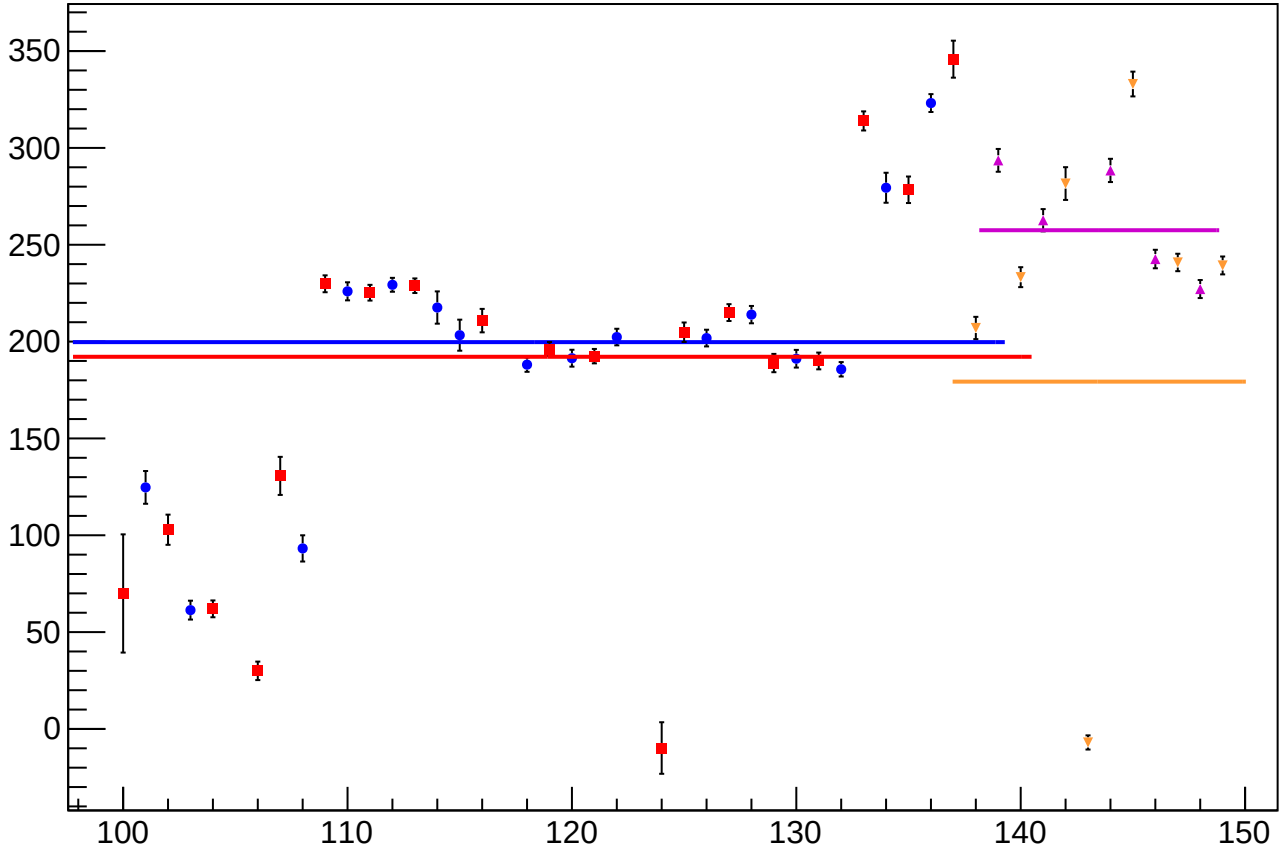
Left In: 22.694+/-1.518 χ^2/NDF:44.1/4

+ sign 17.622+/-0.810 χ^2/NDF: 178.2/22

All: 17.838+/-0.588 χ^2/NDF: 299.5/46

- 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: 179.327+/-1.899 χ^2/NDF:3802.9/6

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

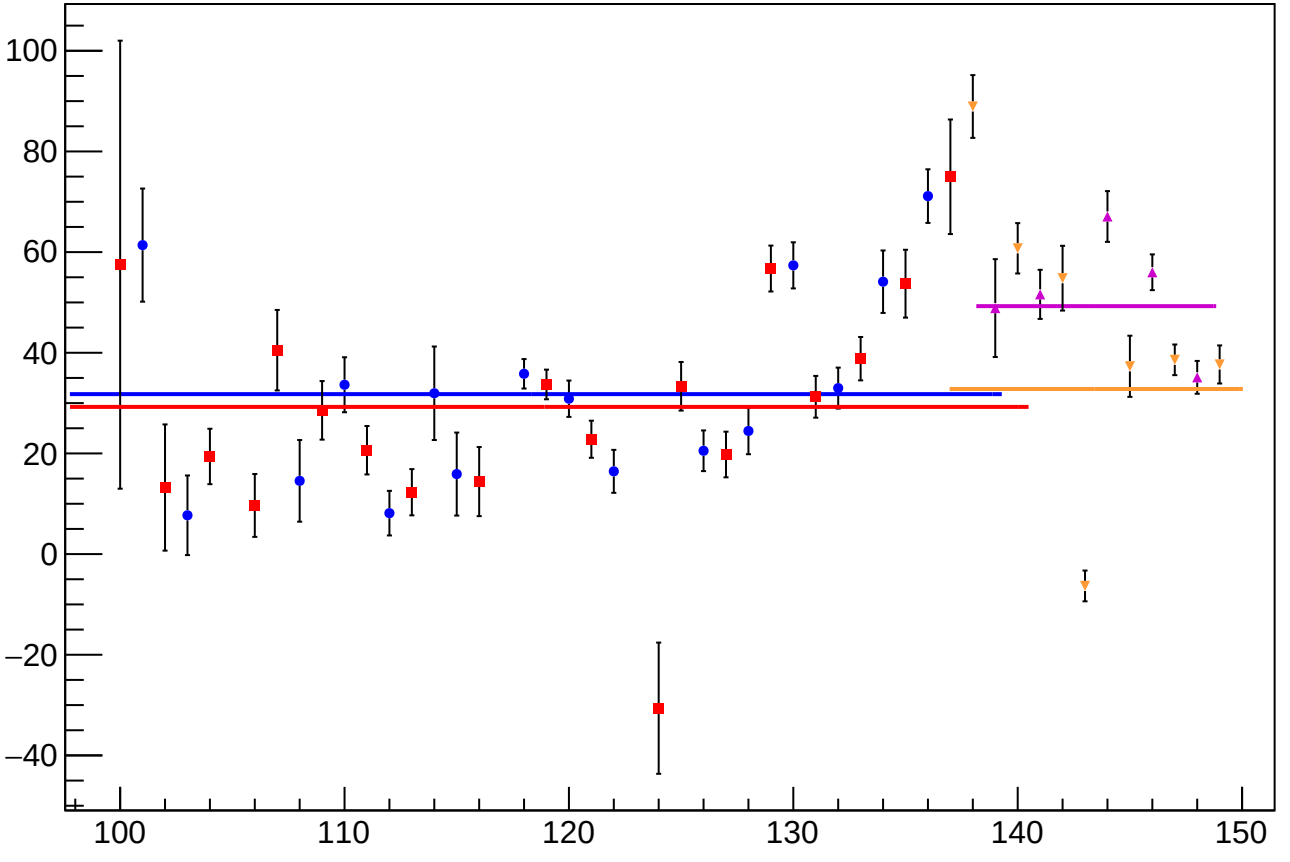
Left In: 257.501+/-2.379 χ^2/NDF:117.0/4

+ sign 193.931+/-1.012 χ^2/NDF: 5987.1/22

All: 199.115+/-0.724 χ^2/NDF: 10546.6/46

- 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: 32.802+/-1.578 χ^2/NDF:293.6/6

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

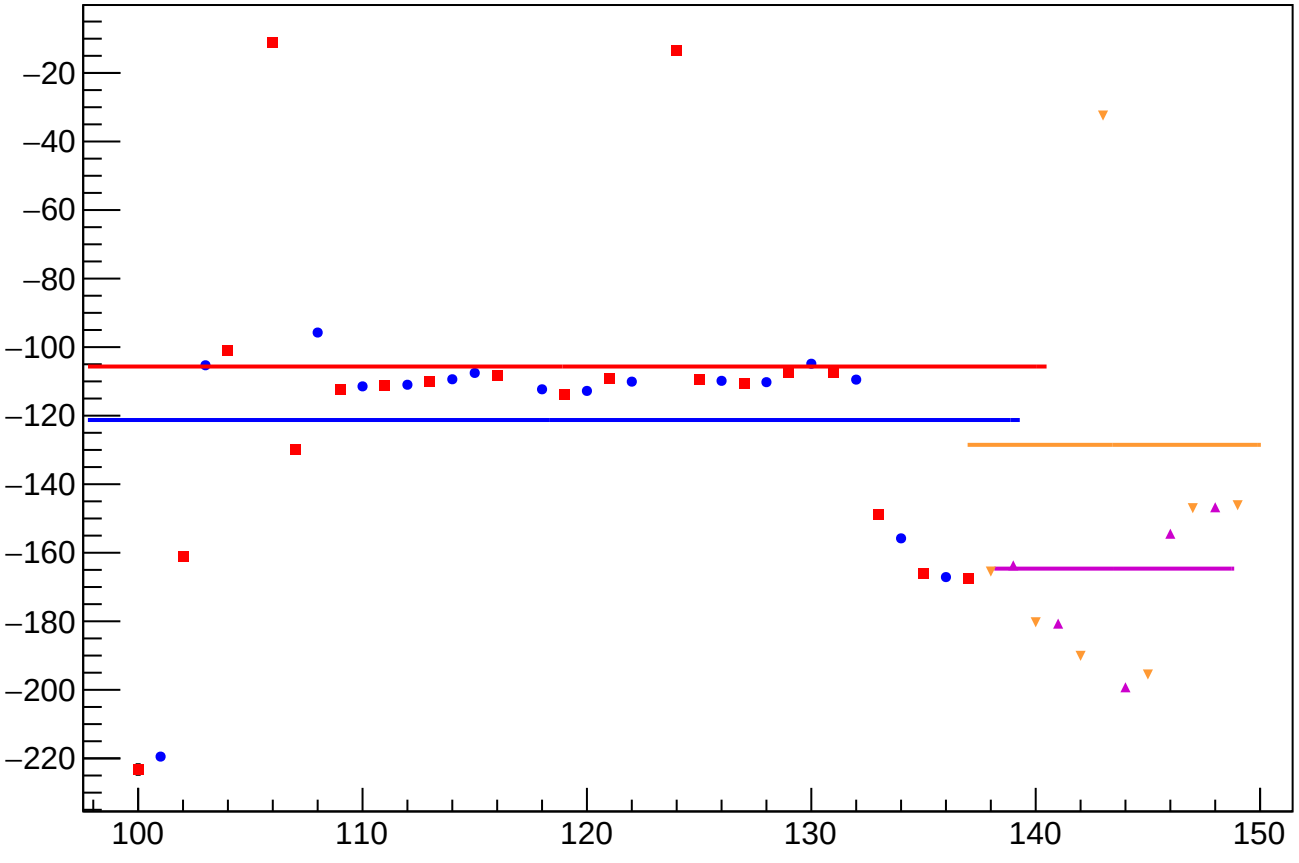
Left In: 49.263+/-1.942 χ^2/NDF:35.1/4

+ sign 32.162+/-0.963 χ^2/NDF: 470.8/22

All: 33.386+/-0.700 χ^2/NDF: 727.2/46

- 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: -128.511+/-0.080 χ^2/NDF:594509.5/6

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

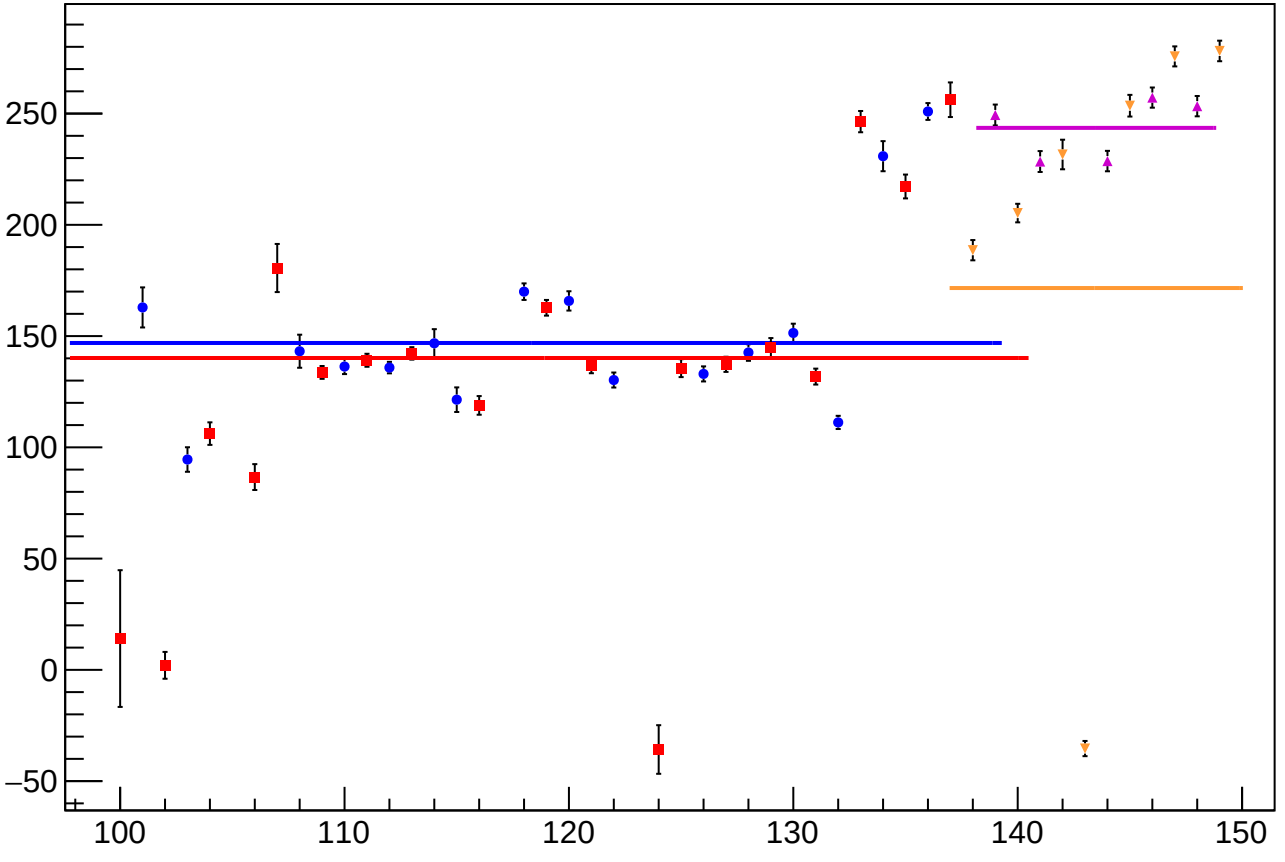
Left In: -164.632+/-0.097 χ^2/NDF:32653.6/4

+ sign -124.856+/-0.056 χ^2/NDF: 718048.7/22

All: -126.167+/-0.041 χ^2/NDF: 1338969.8/46

- 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: 171.596+/-1.685 χ^2/NDF:5176.0/6

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

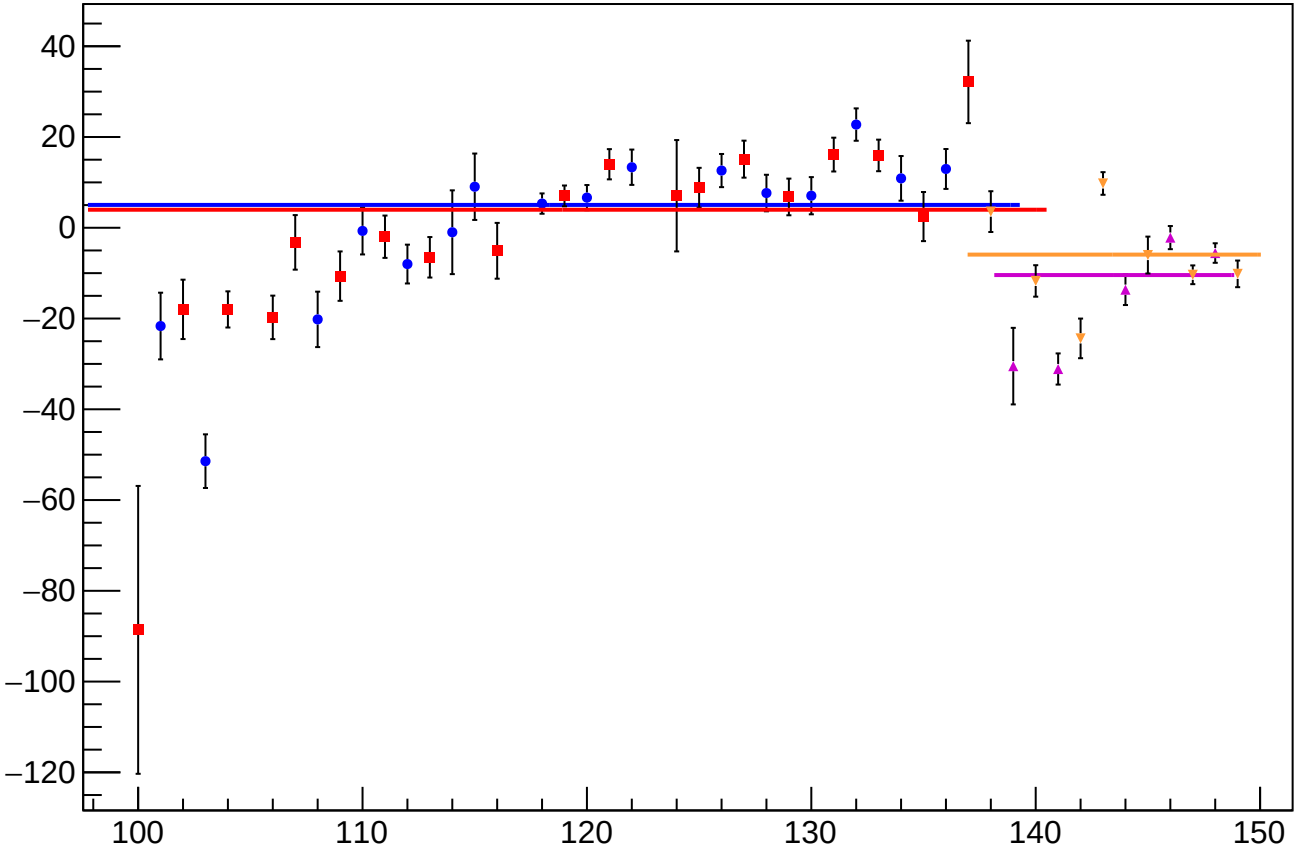
Left In: 243.572+/-2.063 χ^2/NDF:36.0/4

\+ sign 153.369+/-0.862 χ^2/NDF: 6636.5/22

All: 155.937+/-0.612 χ^2/NDF: 10706.0/46

\- sign 158.556+/-0.870 χ^2/NDF: 4051.5/23

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -5.914+/-1.150 χ^2/NDF:71.3/6

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

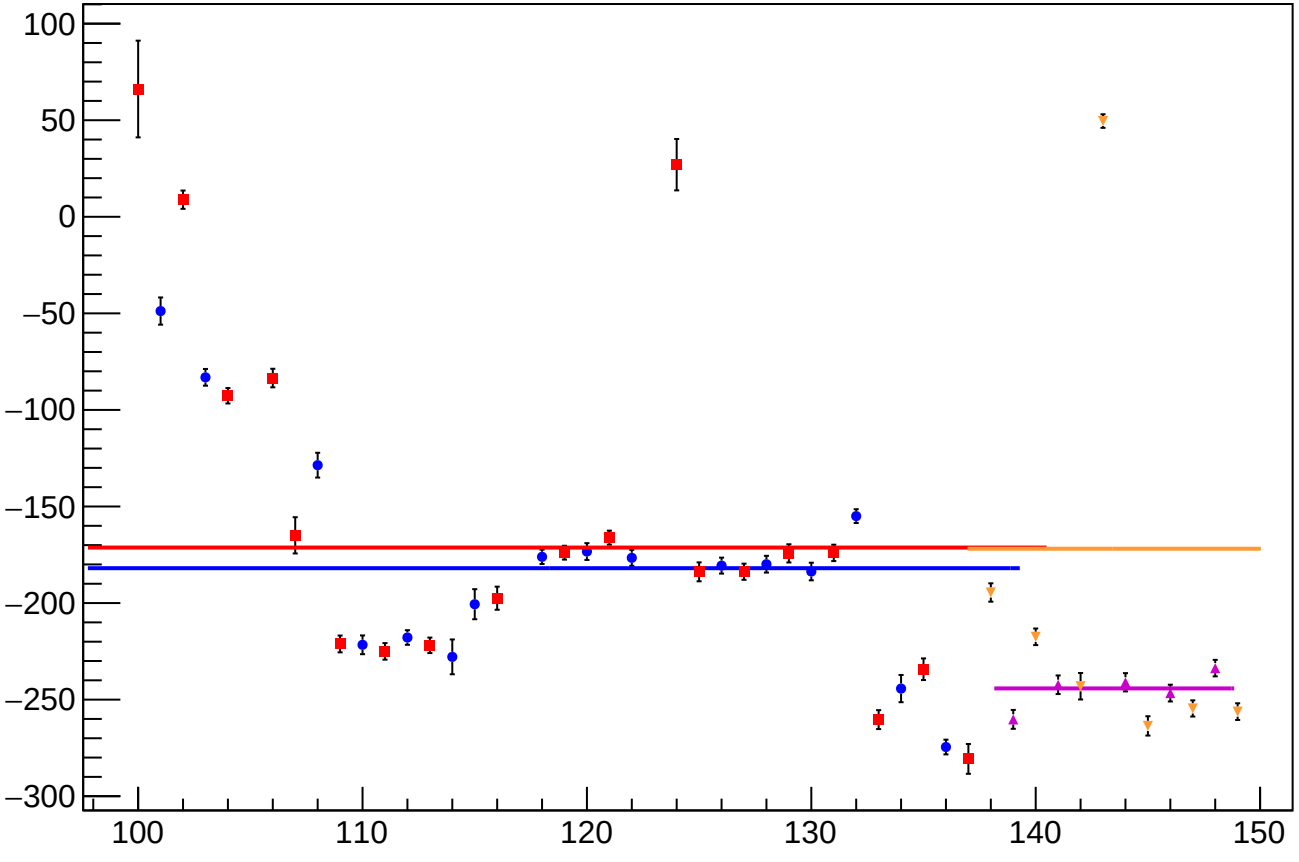
Left In: -10.421+/-1.341 χ^2/NDF:58.5/4

+ sign 0.209+/-0.763 χ^2/NDF: 294.0/22

All: -0.478+/-0.555 χ^2/NDF: 572.4/46

- 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: -171.858+/-1.687 χ^2/NDF:5316.9/6

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

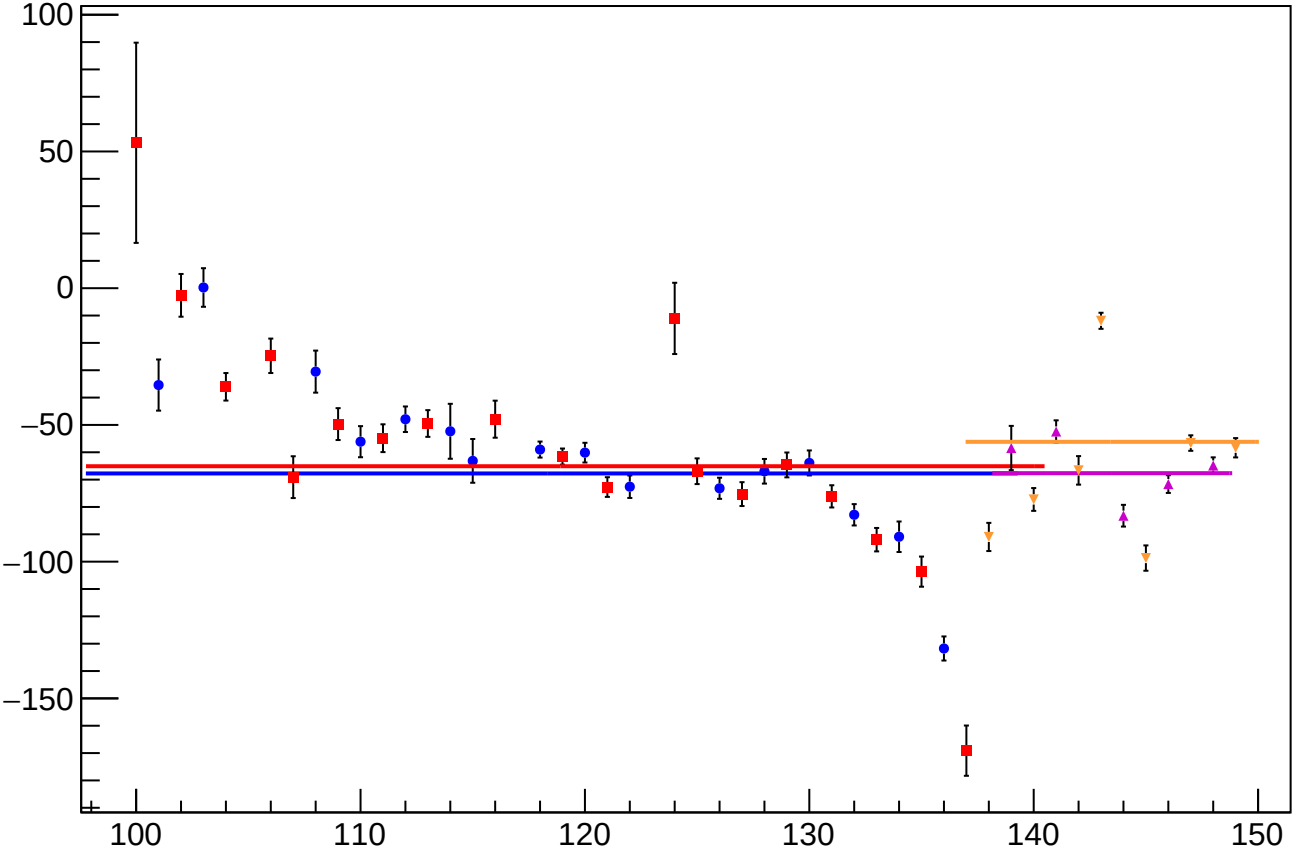
Left In: -244.195+/-2.052 χ^2/NDF:17.7/4

+ sign -178.731+/-0.952 χ^2/NDF: 7211.8/22

All: -183.149+/-0.682 χ^2/NDF: 11878.7/46

- 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: -56.178+/-1.416 χ^2/NDF:386.5/6

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

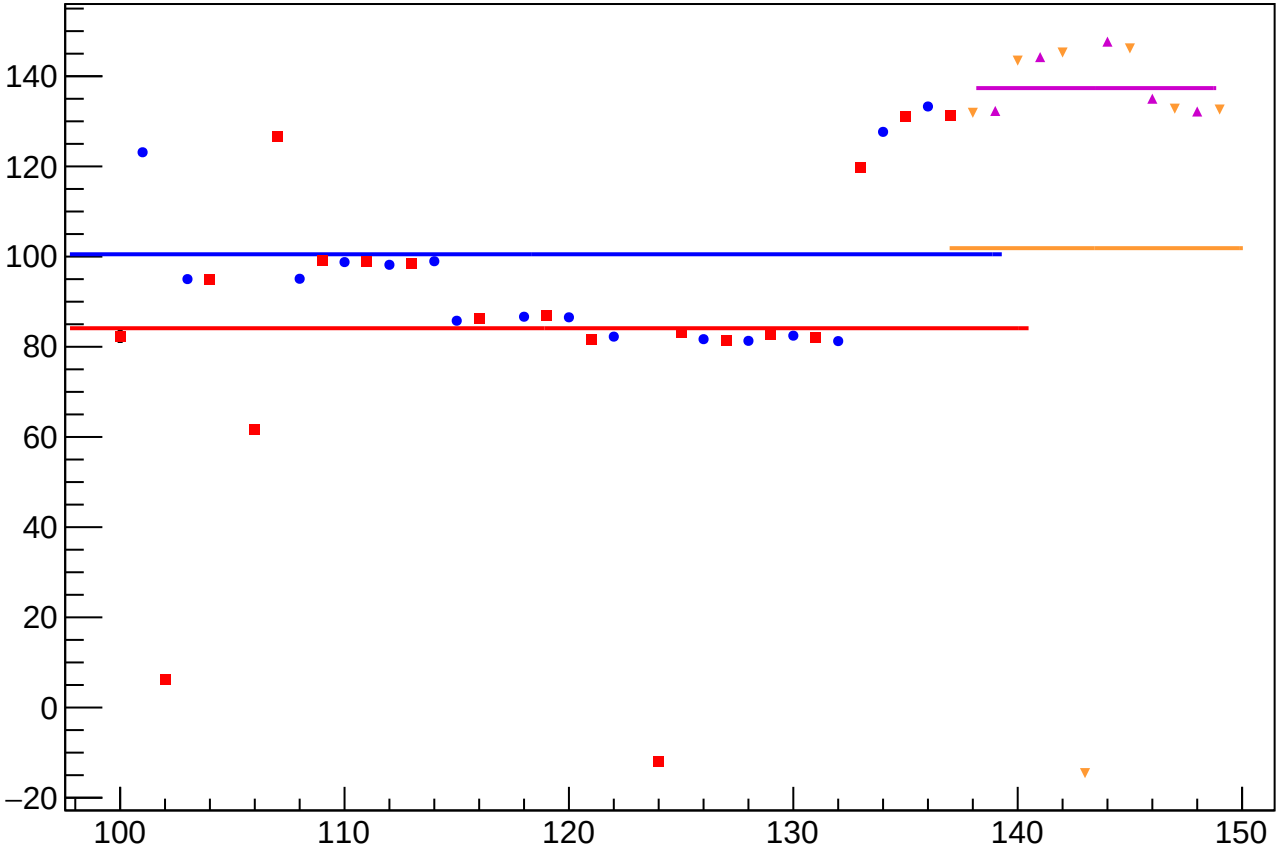
Left In: -67.642+/-1.702 χ^2/NDF:32.9/4

+ sign -62.999+/-0.907 χ^2/NDF: 839.9/22

All: -64.371+/-0.660 χ^2/NDF: 1308.2/46

- 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: 101.870+/-0.071 χ^2/NDF:838195.7/6

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

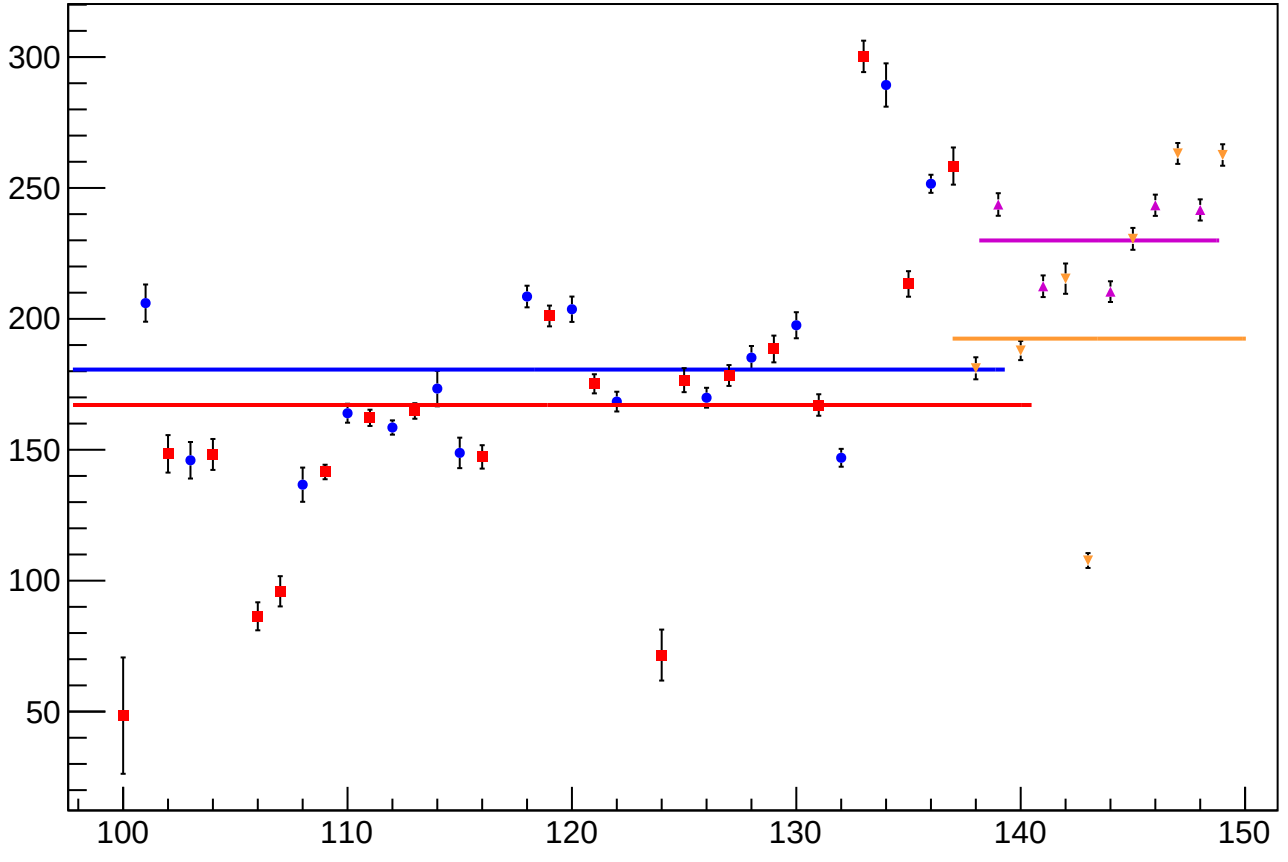
Left In: 137.366+/-0.084 χ^2/NDF:5490.9/4

+ sign 101.222+/-0.051 χ^2/NDF: 905835.0/22

All: 103.397+/-0.037 χ^2/NDF: 1419499.9/46

- 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: 192.452+/-1.468 χ^2/NDF:1603.5/6

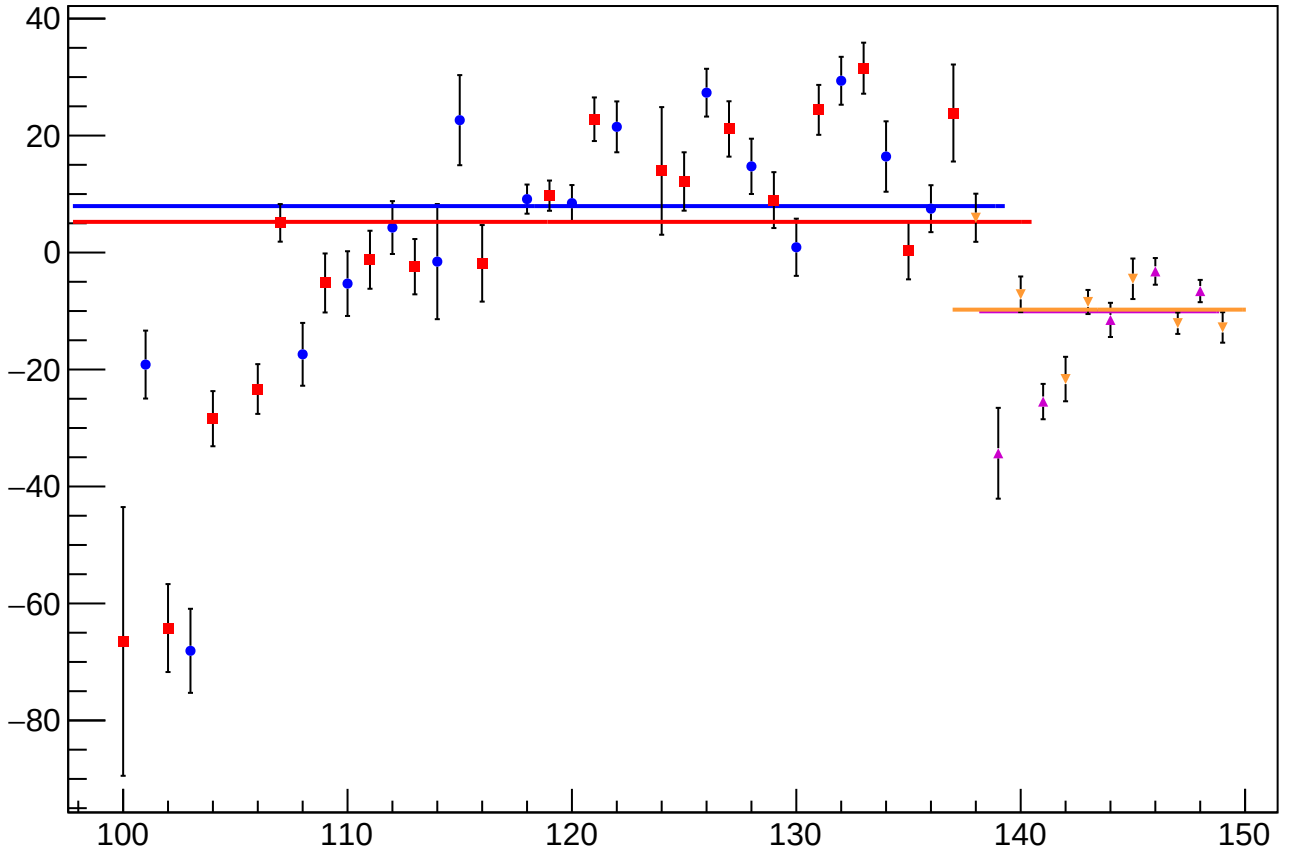
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 229.946+/-1.832 χ^2/NDF:71.7/4

+ sign 184.832+/-0.875 χ^2/NDF: 2638.7/22

All: 183.438+/-0.625 χ^2/NDF: 5098.0/46

- 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: -9.763+/-1.000 χ^2/NDF:30.8/6

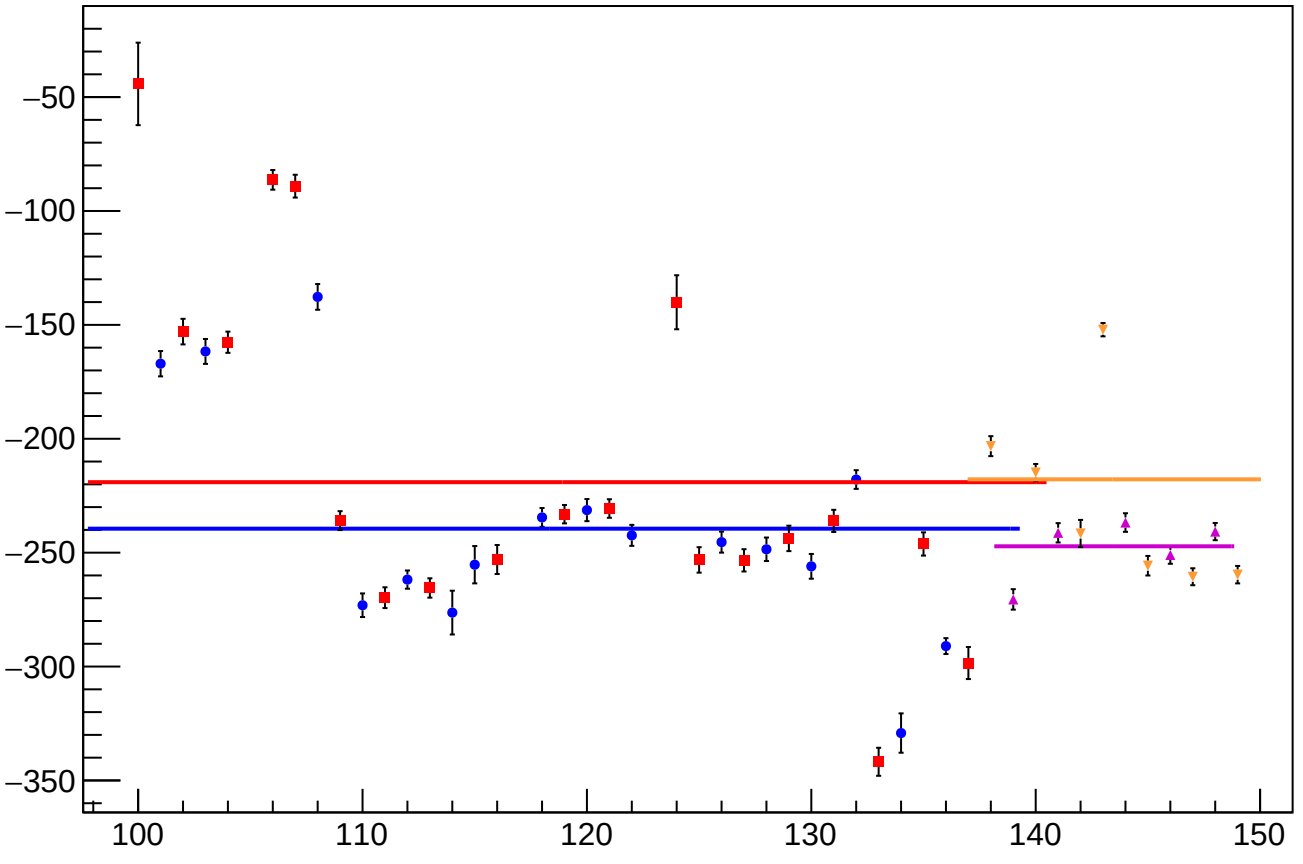
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -10.045+/-1.186 χ^2/NDF:48.4/4

+ sign -1.856+/-0.744 χ^2/NDF: 403.6/22

All: -1.717+/-0.542 χ^2/NDF: 847.3/46

- 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: -217.814+/-1.471 χ^2/NDF:862.2/6

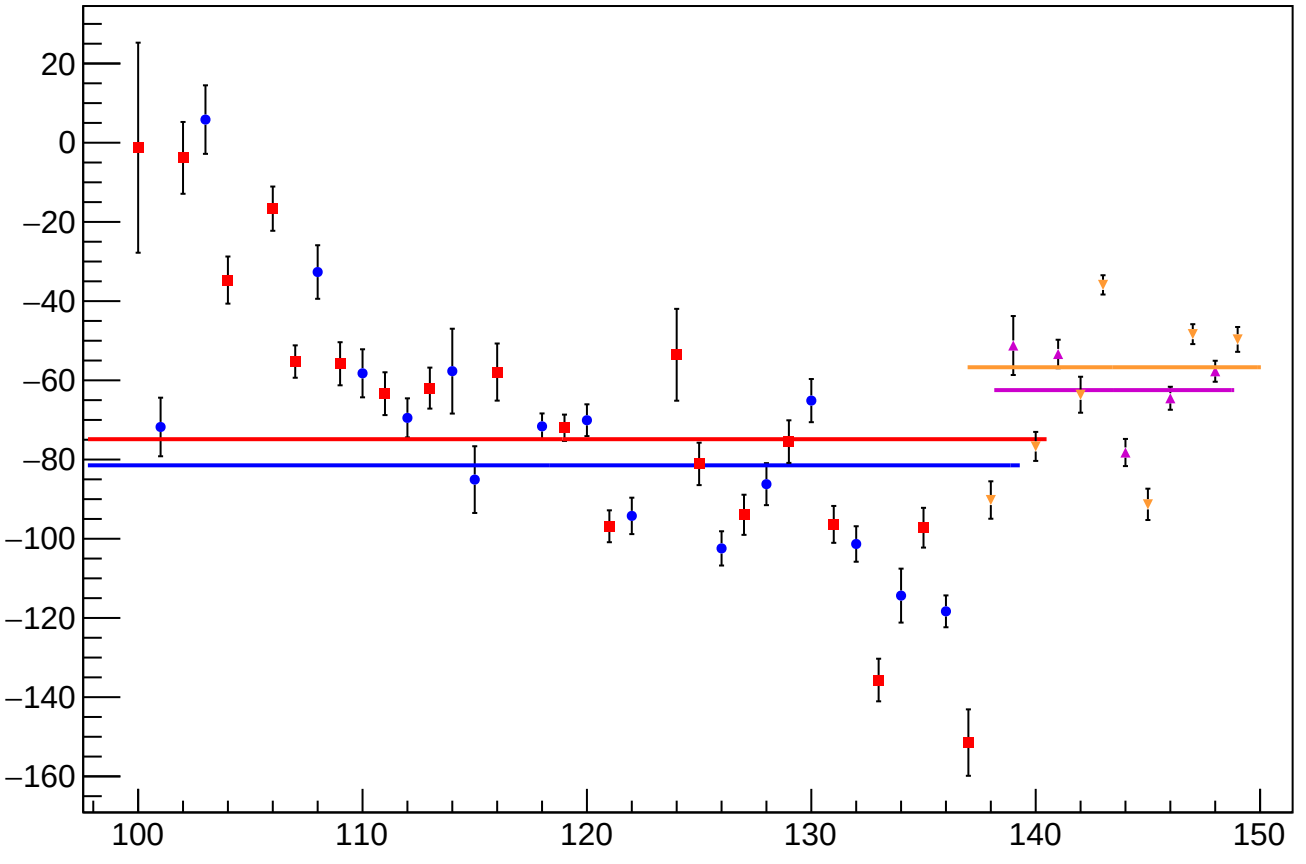
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.206+/-1.822 χ^2/NDF:39.3/4

+ sign -230.429+/-0.951 χ^2/NDF: 2150.6/22

All: -228.943+/-0.685 χ^2/NDF: 5412.8/46

- 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: -56.696+/-1.231 χ^2/NDF:248.0/6

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

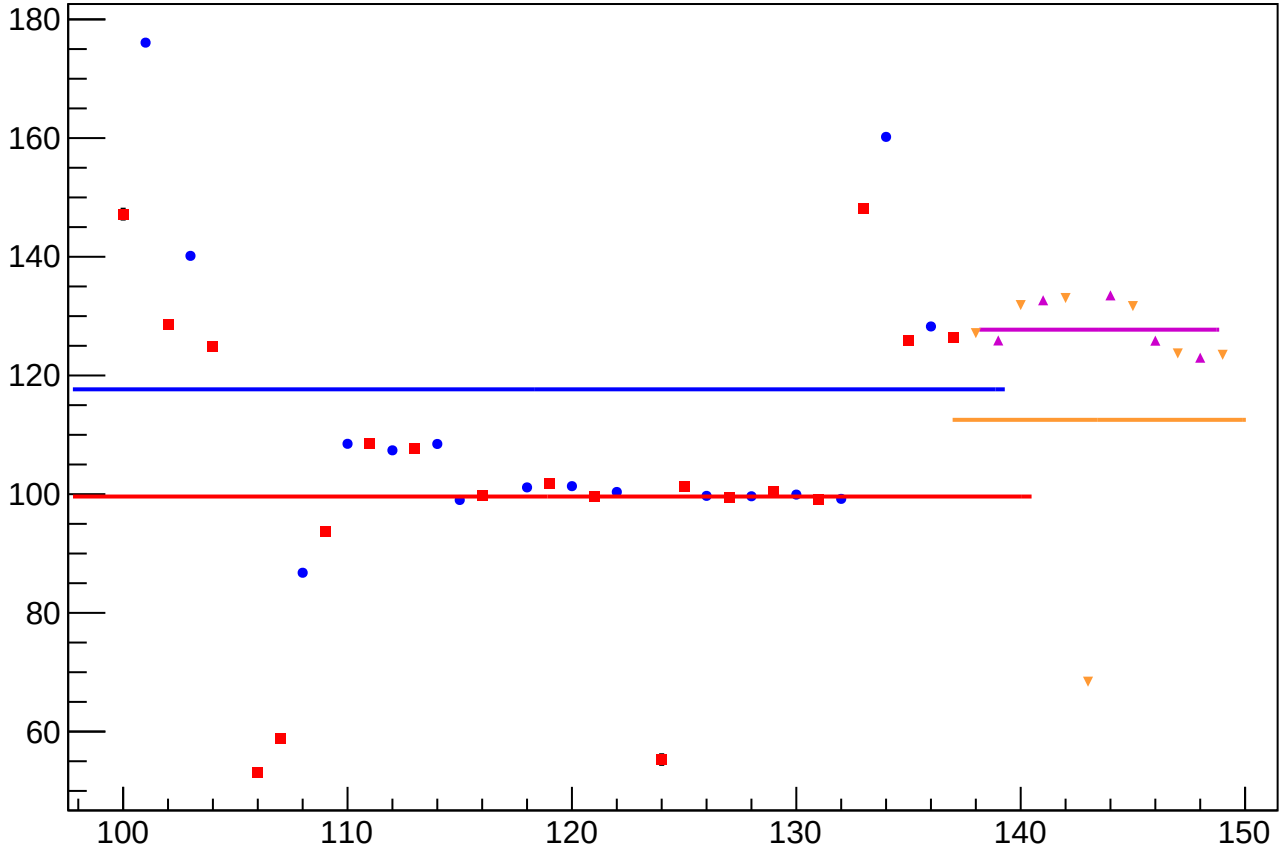
Left In: -62.466+/-1.505 χ^2/NDF:33.6/4

\+ sign -68.530+/-0.890 χ^2/NDF: 807.8/22

All: -69.167+/-0.650 χ^2/NDF: 1459.8/46

\- sign -69.897+/-0.952 χ^2/NDF: 650.9/23

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 112.528+/-0.062 χ^2/NDF:180547.0/6

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

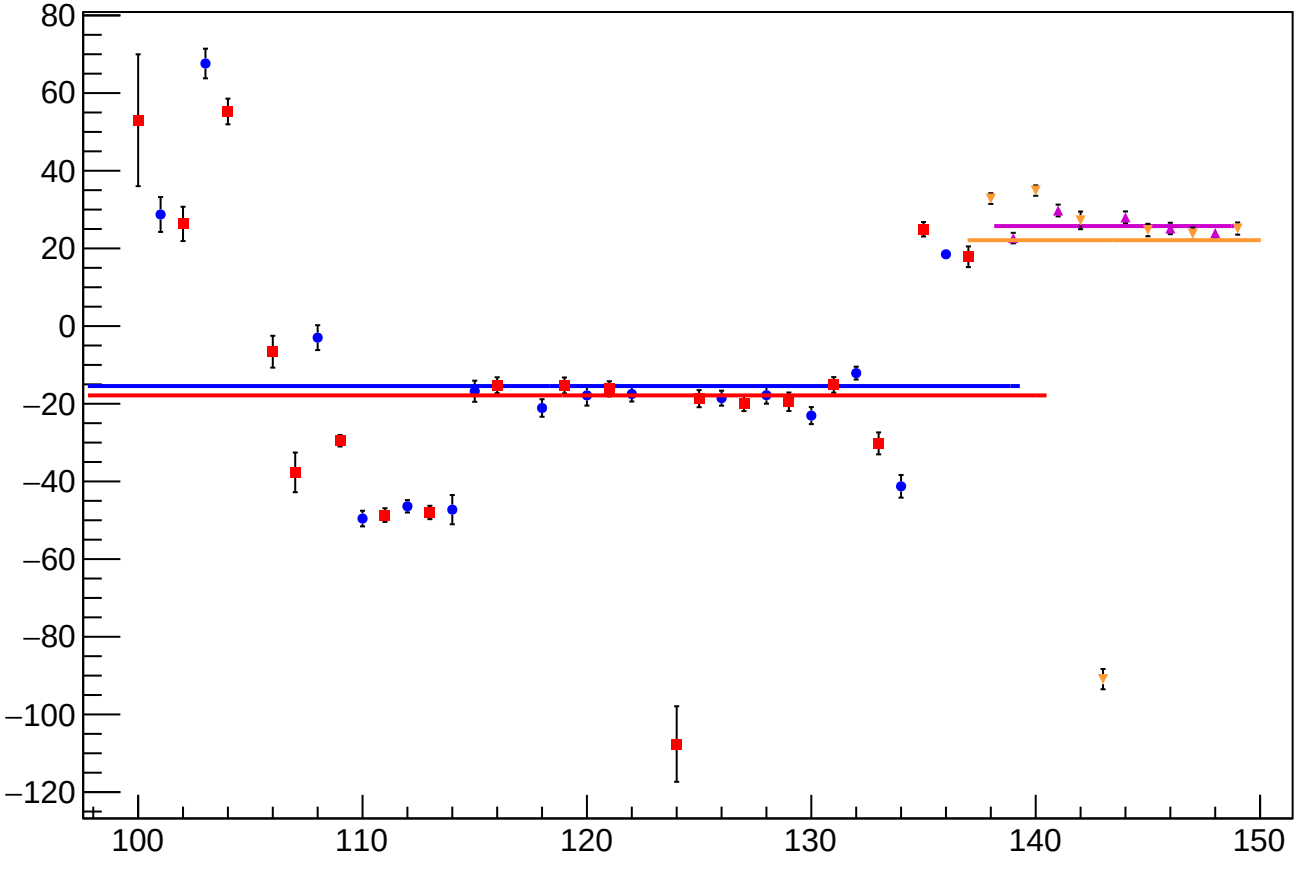
Left In: 127.719+/-0.074 χ^2/NDF:3015.1/4

+ sign 114.505+/-0.049 χ^2/NDF: 278596.8/22

All: 113.721+/-0.035 χ^2/NDF: 523754.3/46

- 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: 22.125+/-0.618 χ^2/NDF:2034.9/6

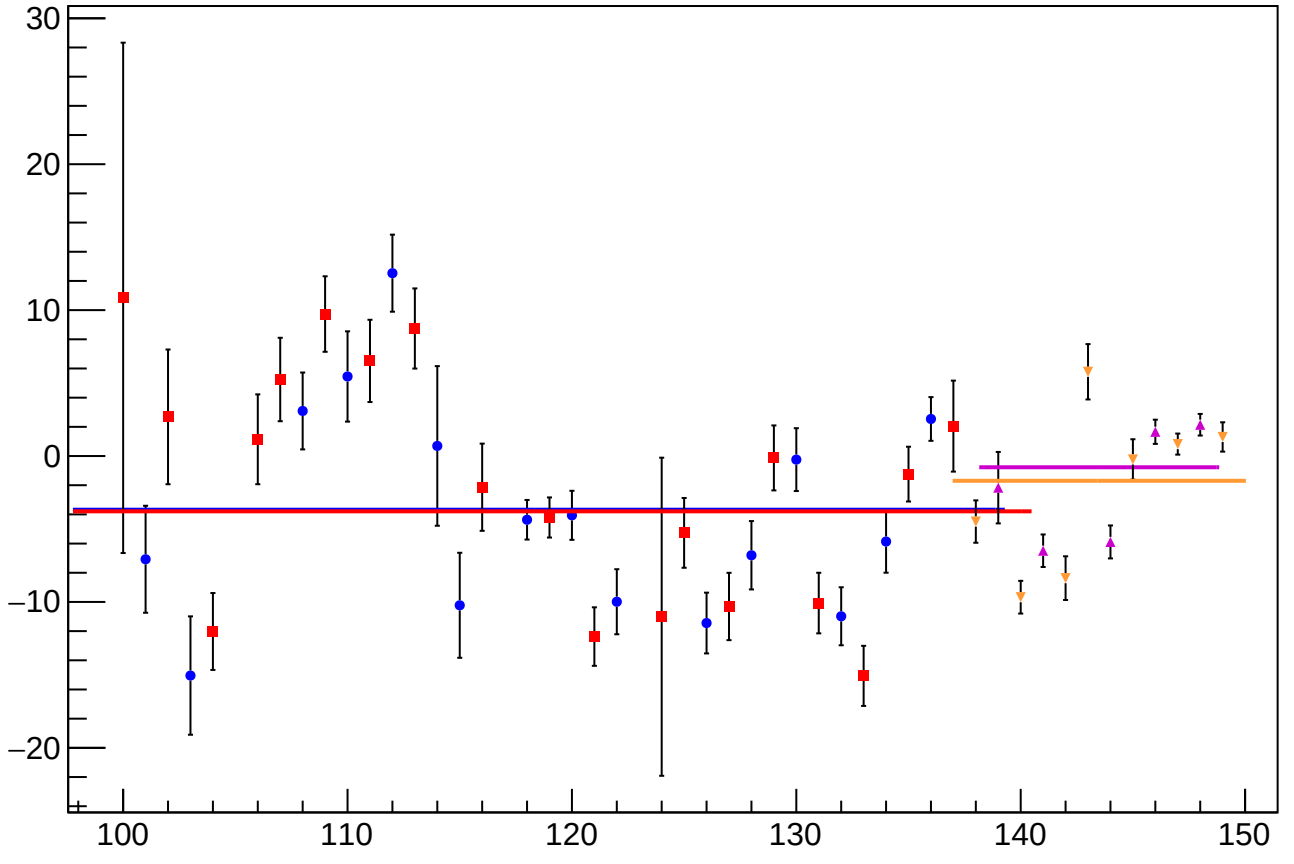
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.754+/-0.663 χ^2/NDF:15.9/4

+ sign 0.787+/-0.406 χ^2/NDF: 6256.6/22

All: -0.022+/-0.290 χ^2/NDF: 11046.3/46

- 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: -1.697+/-0.429 χ^2/NDF:111.9/6

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

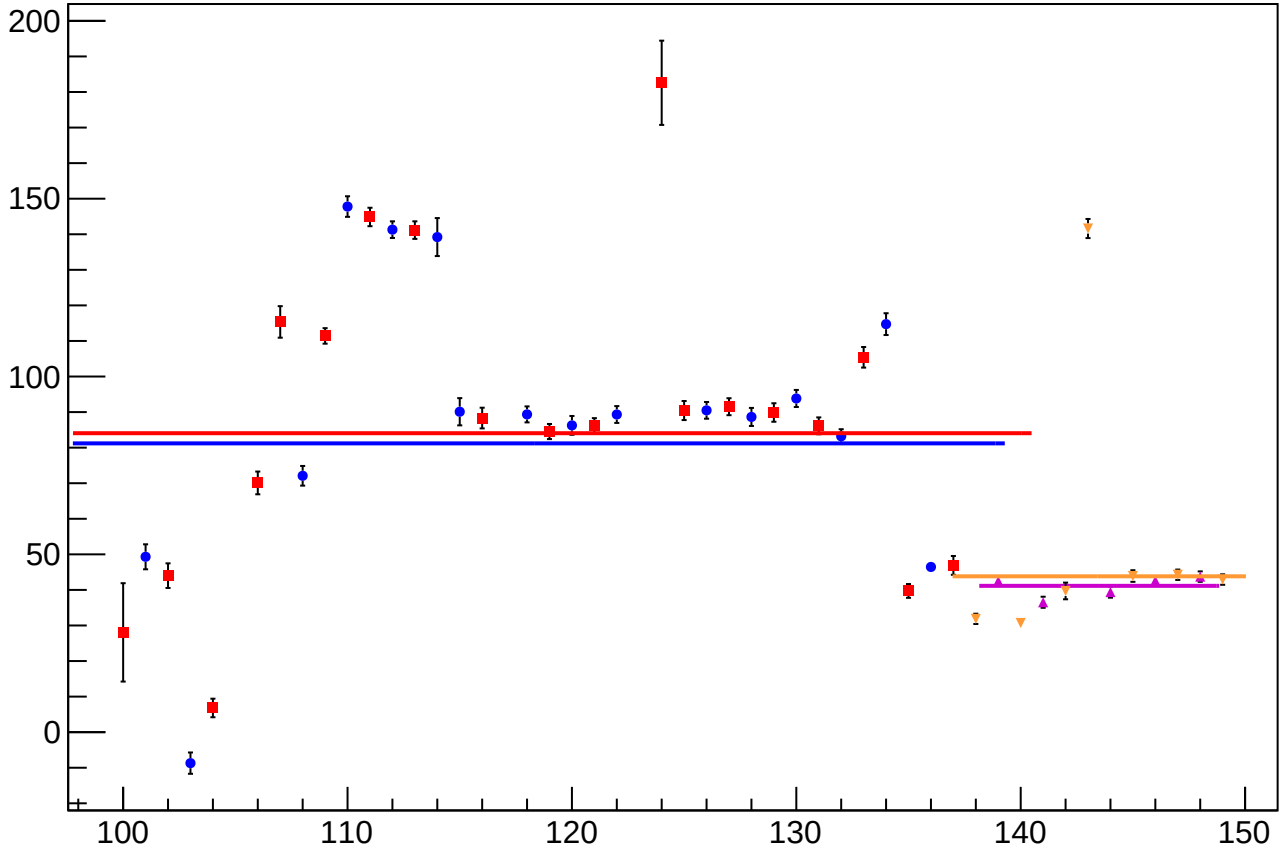
Left In: -0.770+/-0.446 χ^2/NDF:71.3/4

+ sign -2.444+/-0.339 χ^2/NDF: 243.9/22

All: -2.196+/-0.243 χ^2/NDF: 495.2/46

- 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: 43.824+/-0.617 χ^2/NDF:1487.3/6

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

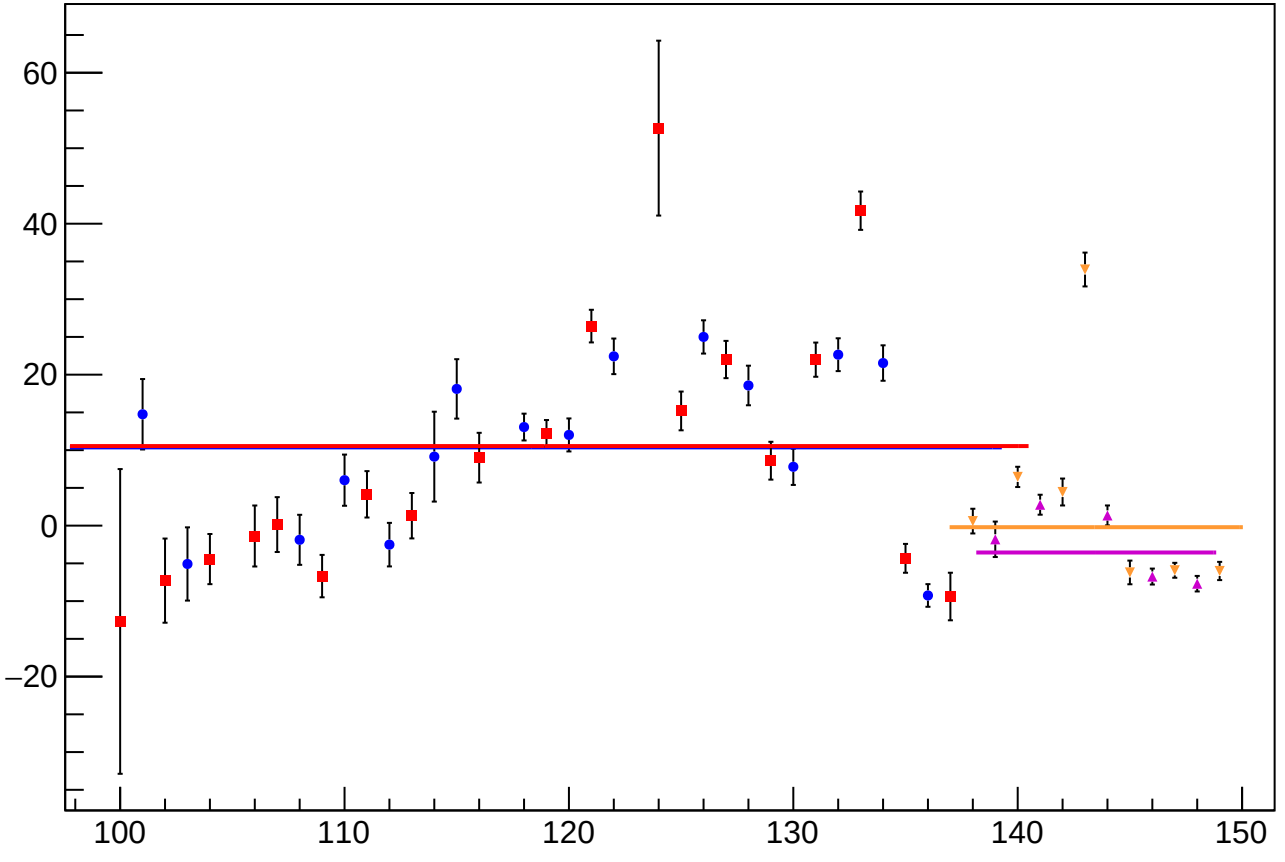
Left In: 41.145+/-0.662 χ^2/NDF:15.1/4

+ sign 62.806+/-0.433 χ^2/NDF: 6583.8/22

All: 63.437+/-0.312 χ^2/NDF: 12063.5/46

- sign 64.124+/-0.451 χ^2/NDF: 5475.2/23

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -0.207+/-0.530 χ^2/NDF:334.8/6

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

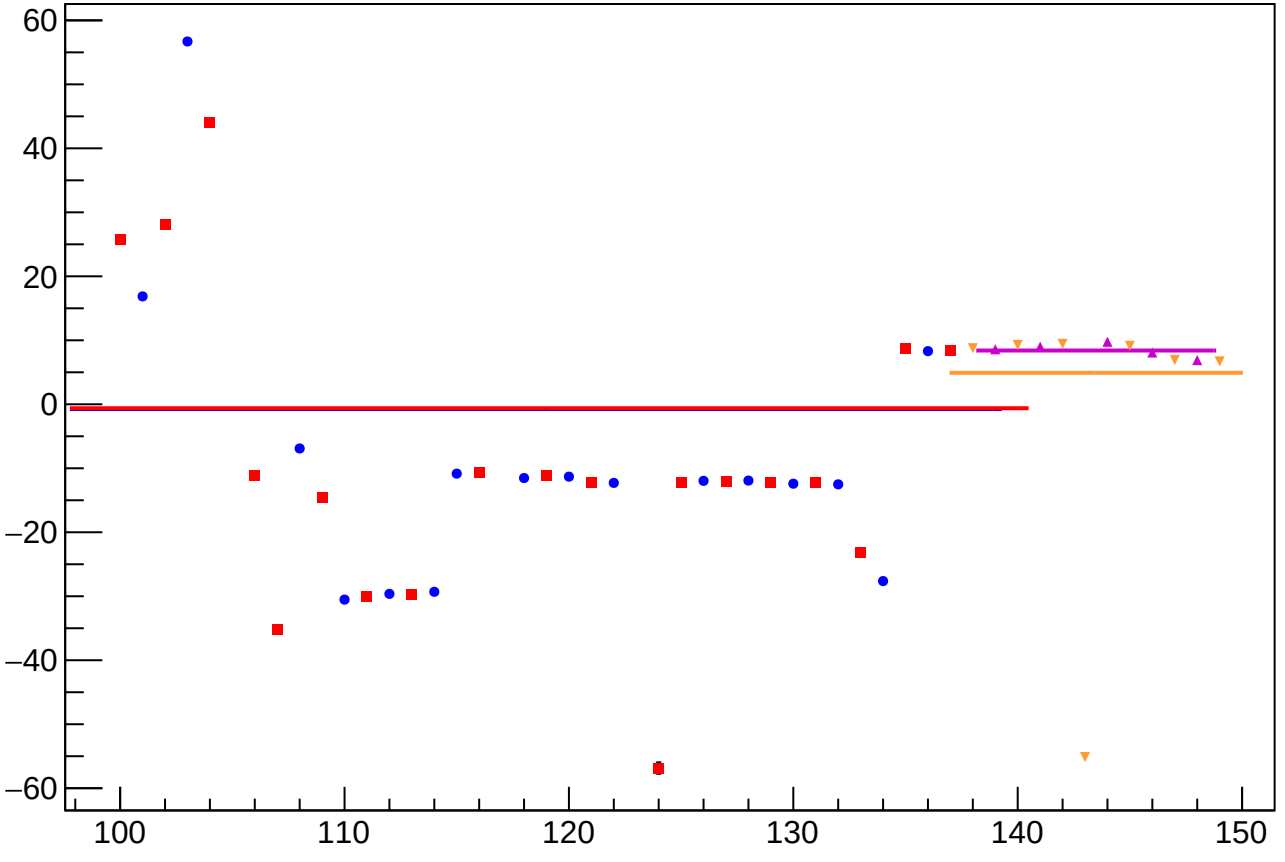
Left In: -3.560+/-0.562 χ^2/NDF:62.5/4

+ sign 4.204+/-0.405 χ^2/NDF: 860.6/22

All: 3.426+/-0.292 χ^2/NDF: 1675.4/46

- sign 2.578+/-0.422 χ^2/NDF: 807.1/23

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.919+/-0.026 χ^2/NDF:306746.6/6

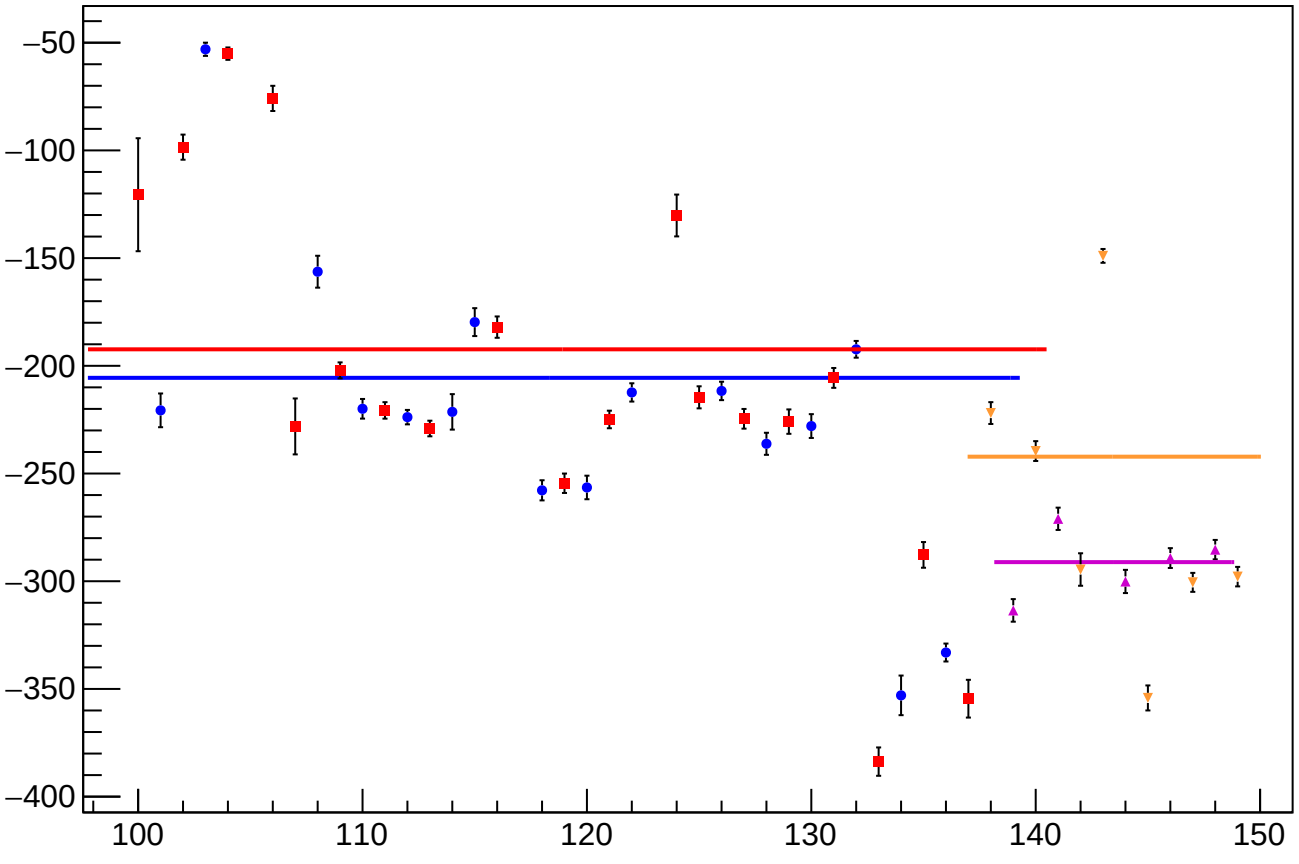
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.404+/-0.027 χ^2/NDF:1154.3/4

+ sign 2.992+/-0.021 χ^2/NDF: 691185.0/22

All: 4.124+/-0.015 χ^2/NDF: 1053519.1/46

- 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: -242.179+/-1.738 χ^2/NDF:1607.6/6

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

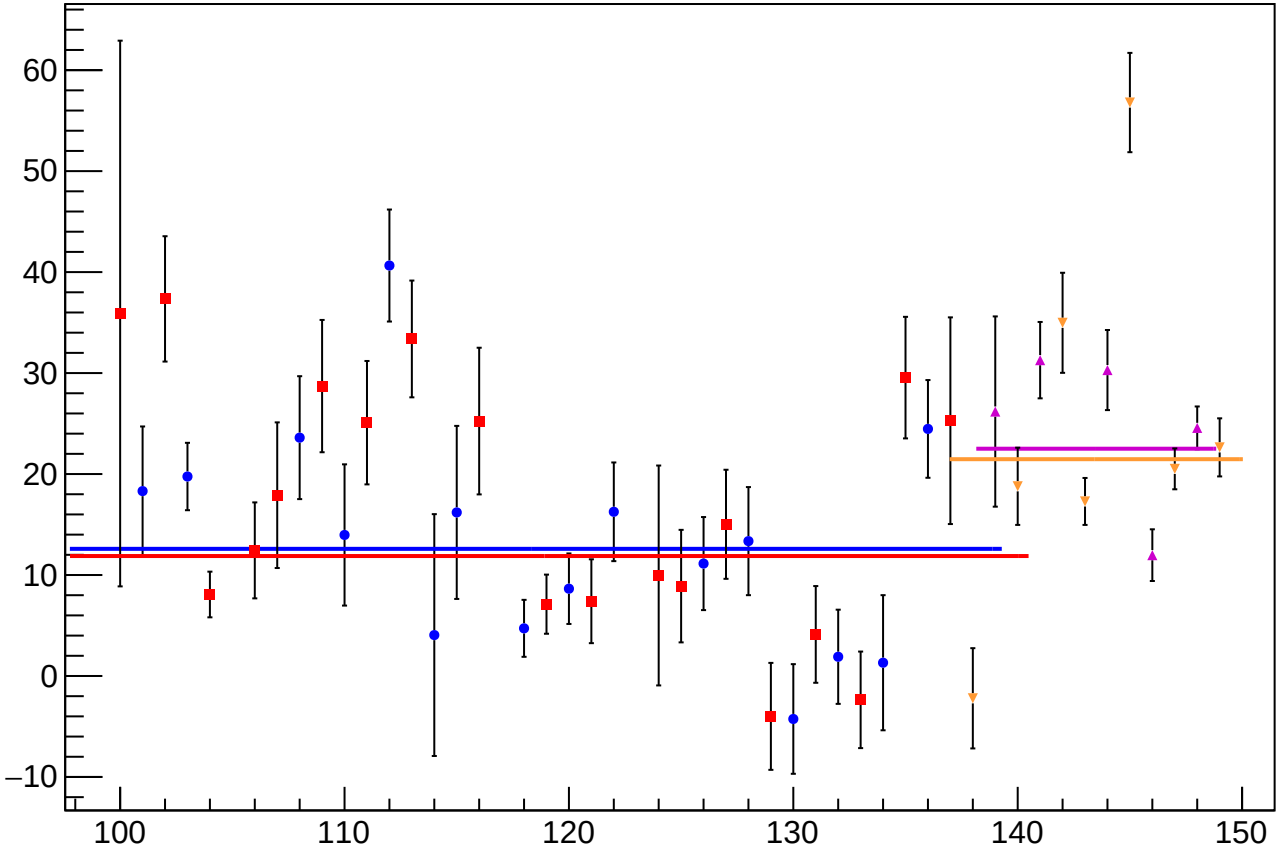
Left In: -291.129+/-2.211 χ^2/NDF:38.0/4

\+ sign -217.185+/-0.979 χ^2/NDF: 5966.3/22

All: -214.940+/-0.700 χ^2/NDF: 12572.4/46

\- sign -212.594+/-1.001 χ^2/NDF: 6595.3/23

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 21.471+/-1.161 χ^2/NDF:85.9/6

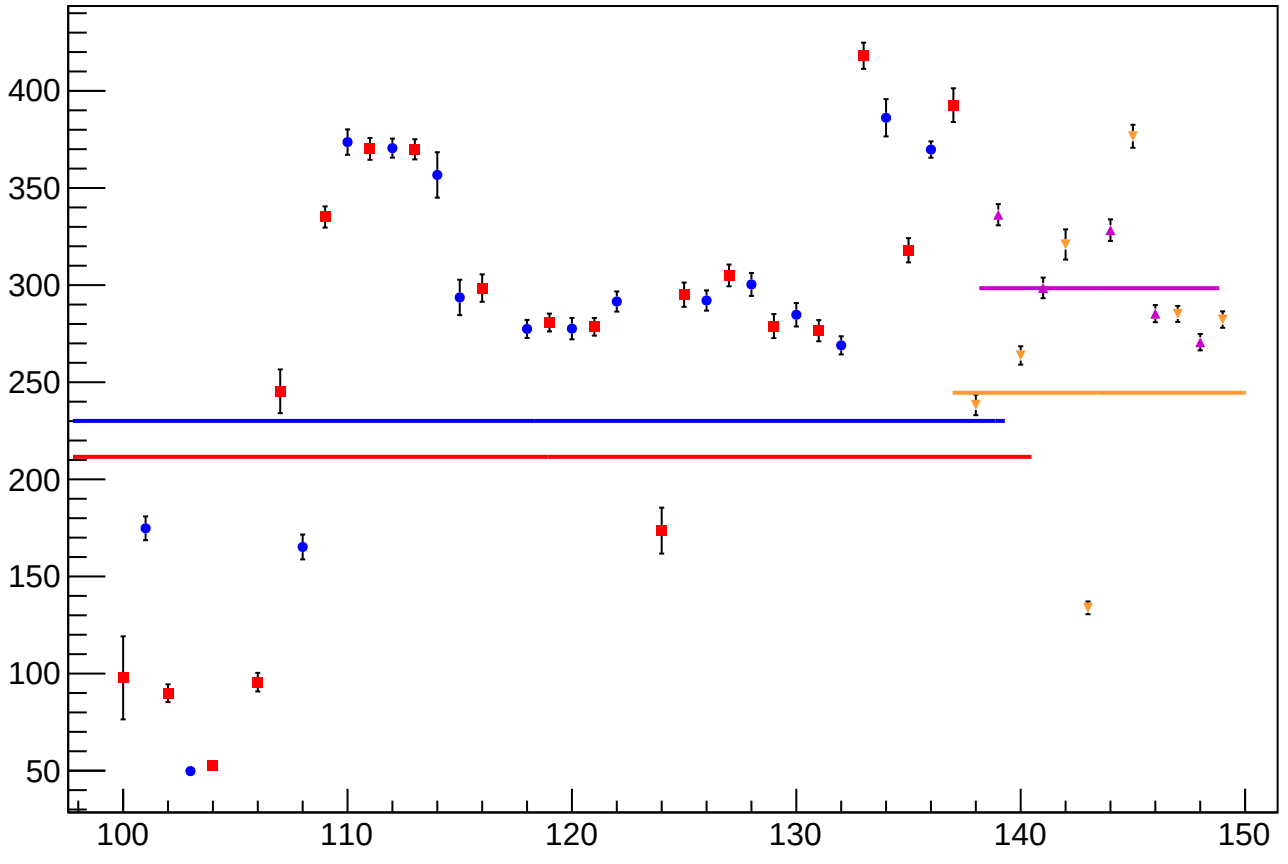
Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 22.509+/-1.387 χ^2/NDF:27.3/4

+ sign 17.187+/-0.835 χ^2/NDF: 182.6/22

All: 16.658+/-0.603 χ^2/NDF: 331.2/46

- sign 16.082+/-0.872 χ^2/NDF: 147.7/23



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 244.578+/-1.734 χ^2/NDF:1915.0/6

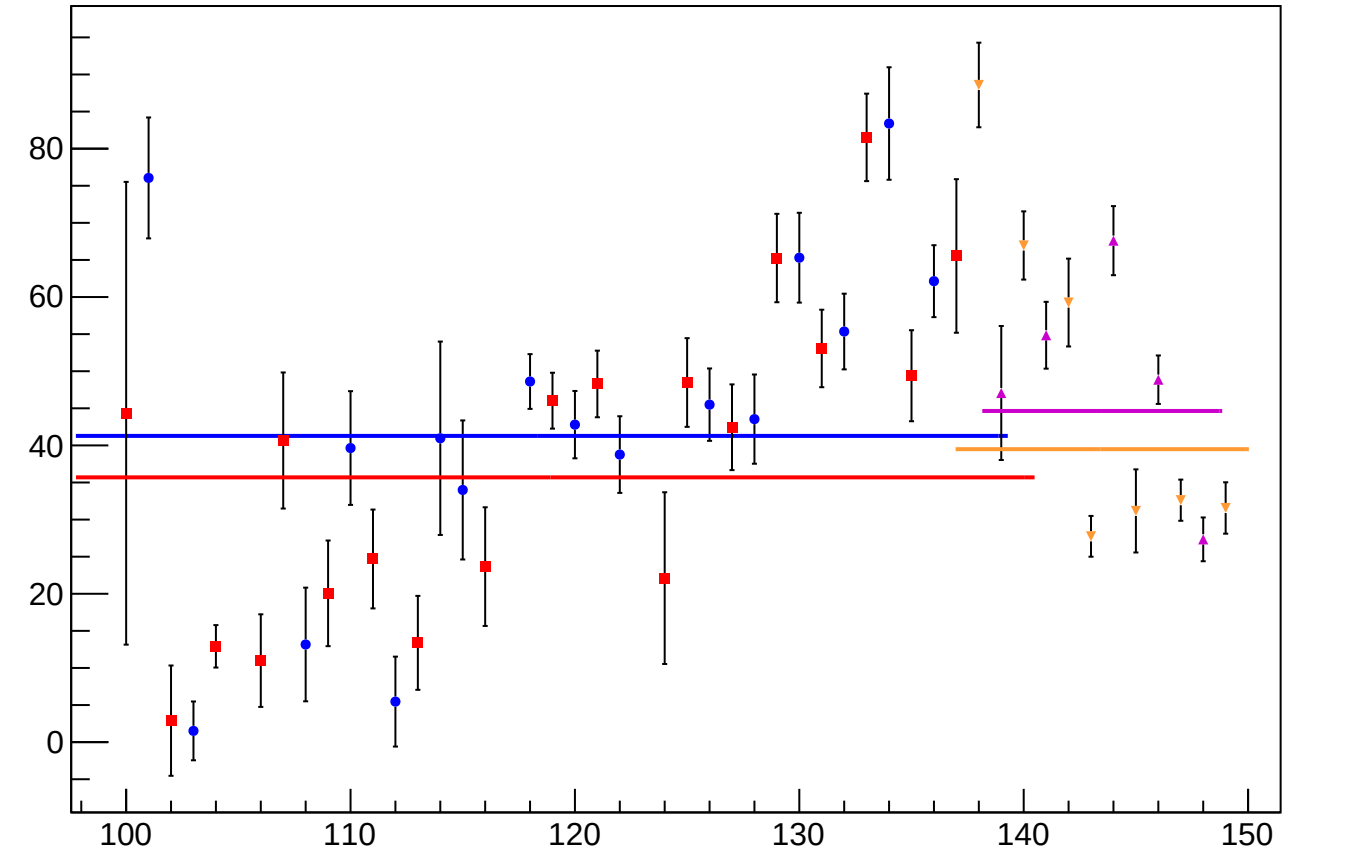
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 298.427+/-2.186 χ^2/NDF:129.3/4

+ sign 235.097+/-1.019 χ^2/NDF: 11336.3/22

All: 233.390+/-0.731 χ^2/NDF: 24158.8/46

- 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: 39.492+/-1.438 χ^2/NDF:152.8/6

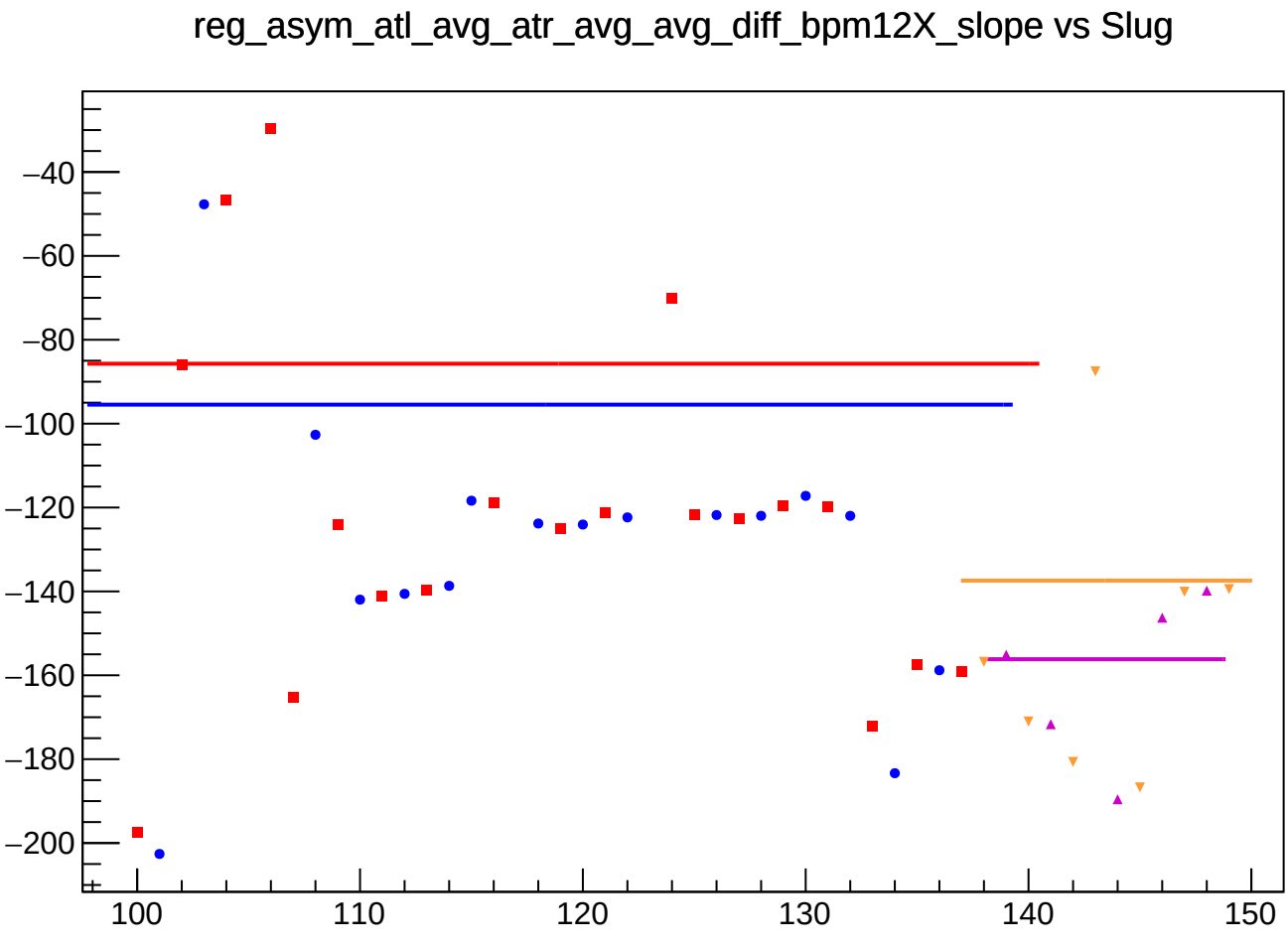
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 44.643+/-1.778 χ^2/NDF:65.6/4

+ sign 40.412+/-1.002 χ^2/NDF: 399.3/22

All: 39.680+/-0.728 χ^2/NDF: 735.6/46

- 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: -137.421+/-0.073 χ^2/NDF:228204.5/6

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

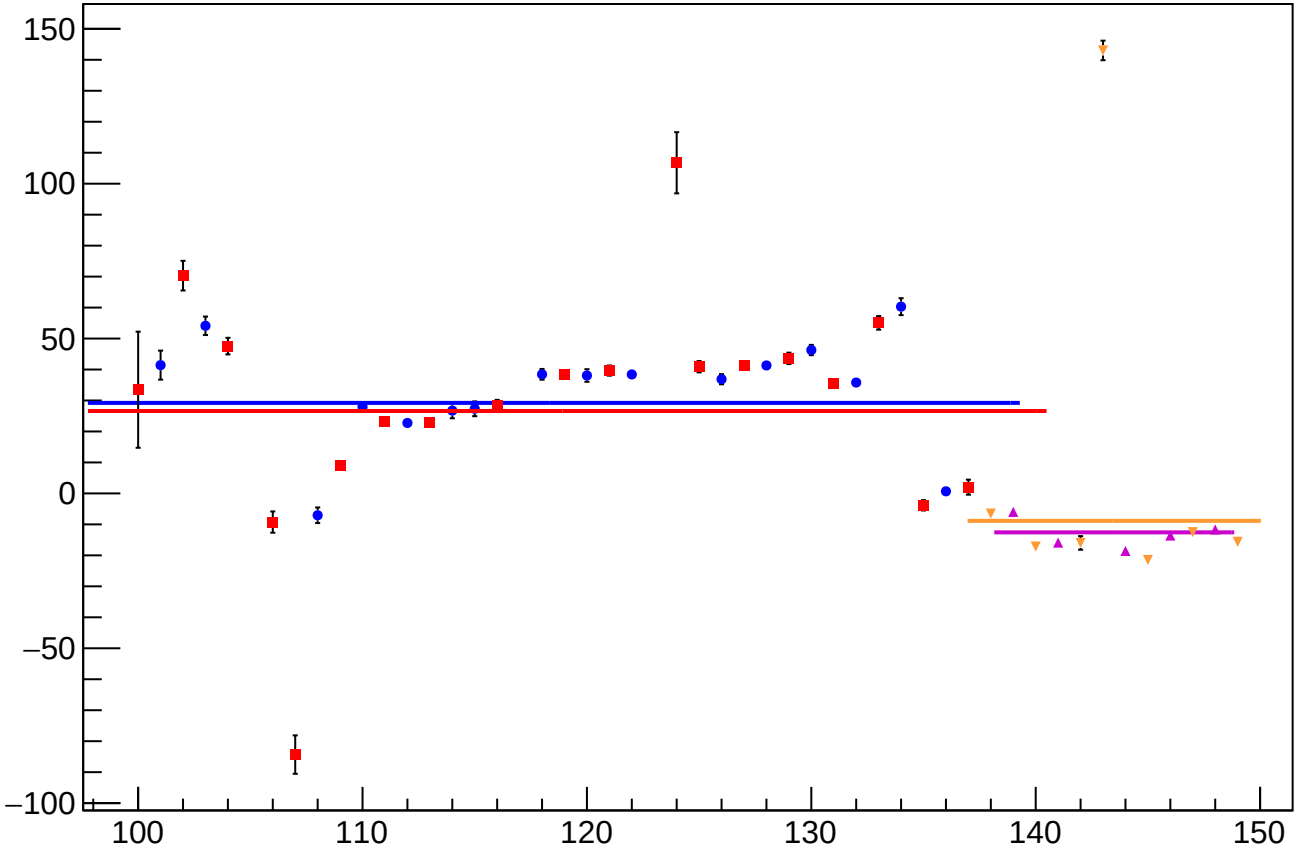
Left In: -156.165+/-0.089 χ^2/NDF:35018.6/4

+ sign -115.364+/-0.050 χ^2/NDF: 921208.3/22

All: -113.372+/-0.037 χ^2/NDF: 1841459.4/46

- 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: -8.853+/-0.586 χ^2/NDF:2466.9/6

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

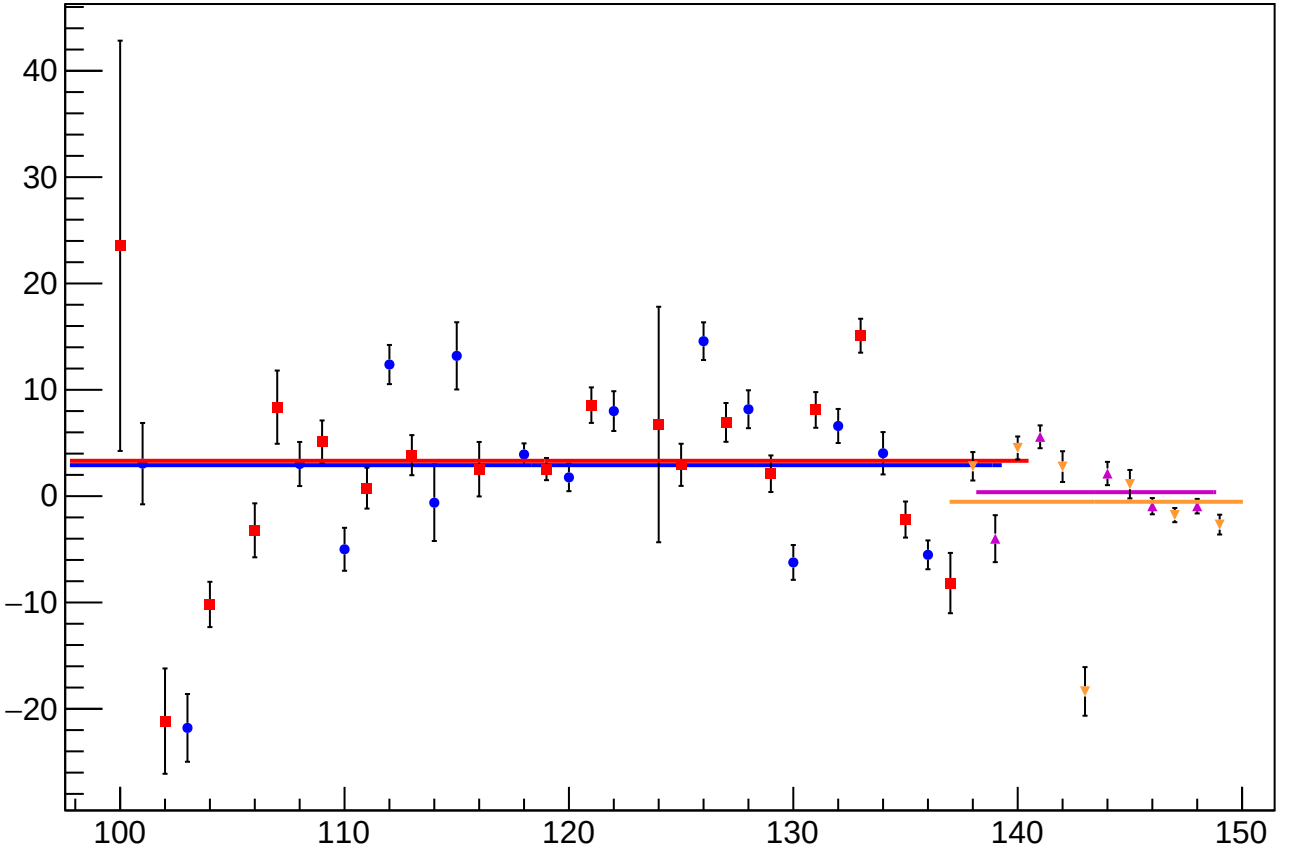
Left In: -12.576+/-0.618 χ^2/NDF:51.7/4

\+ sign 16.128+/-0.344 χ^2/NDF: 6581.3/22

All: 15.303+/-0.243 χ^2/NDF: 11337.8/46

\- sign 14.476+/-0.344 χ^2/NDF: 4745.0/23

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.528+/-0.407 χ^2/NDF:104.6/6

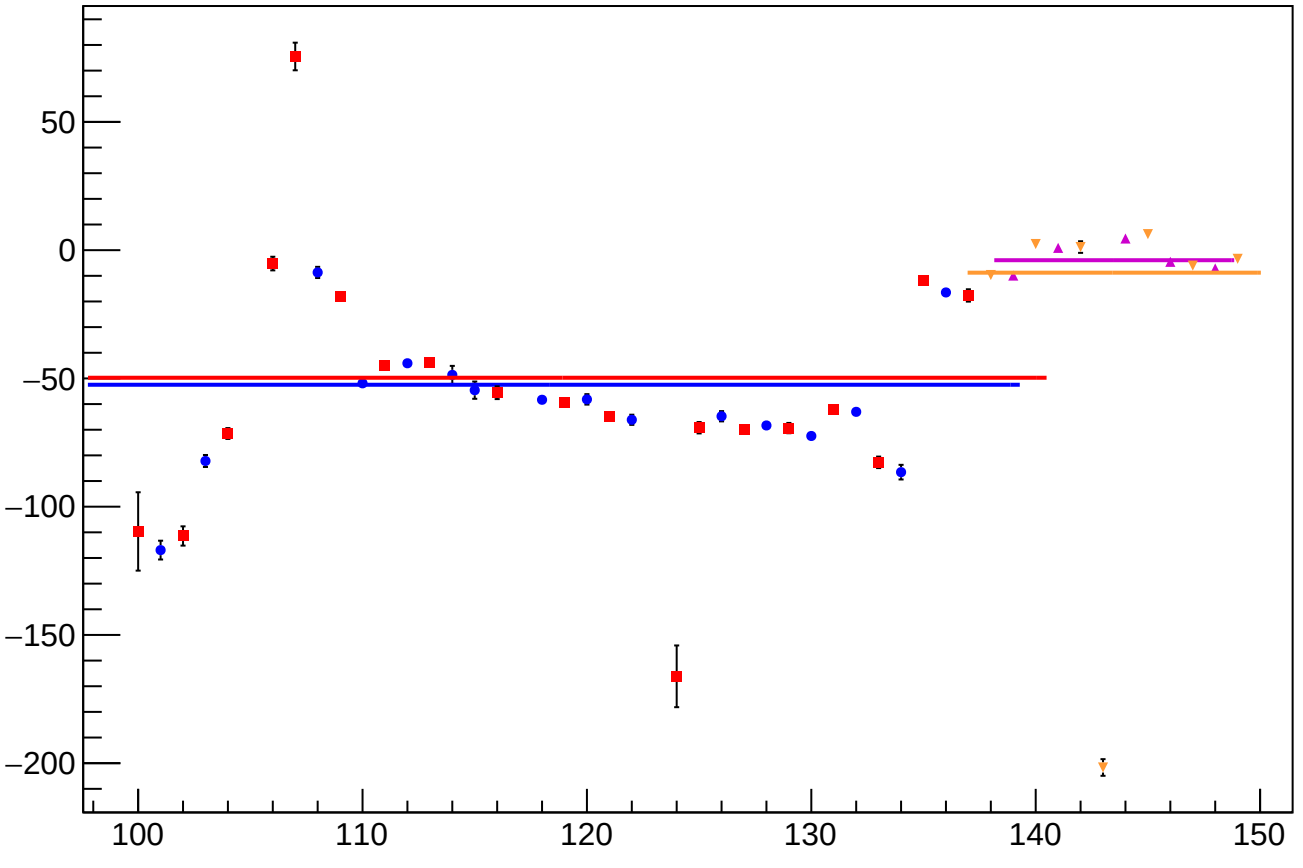
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.374+/-0.417 χ^2/NDF:36.7/4

+ sign 1.048+/-0.299 χ^2/NDF: 387.3/22

All: 1.378+/-0.214 χ^2/NDF: 631.2/46

- 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: -8.773+/-0.584 χ^2/NDF:3736.6/6

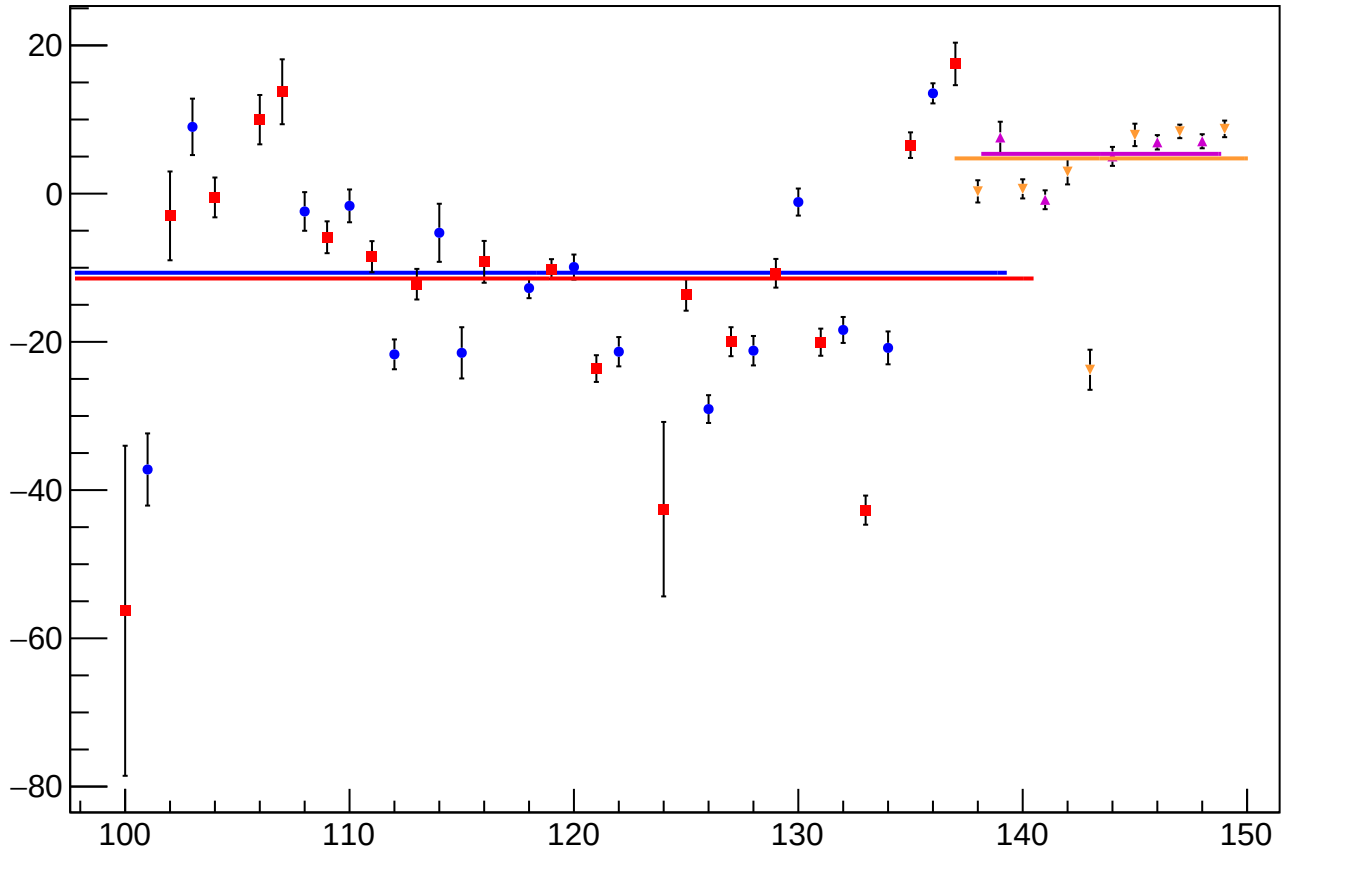
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.915+/-0.617 χ^2/NDF:69.1/4

+ sign -34.496+/-0.374 χ^2/NDF: 9367.0/22

All: -33.199+/-0.269 χ^2/NDF: 15832.8/46

- 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: 4.753+/-0.503 χ^2/NDF:164.1/6

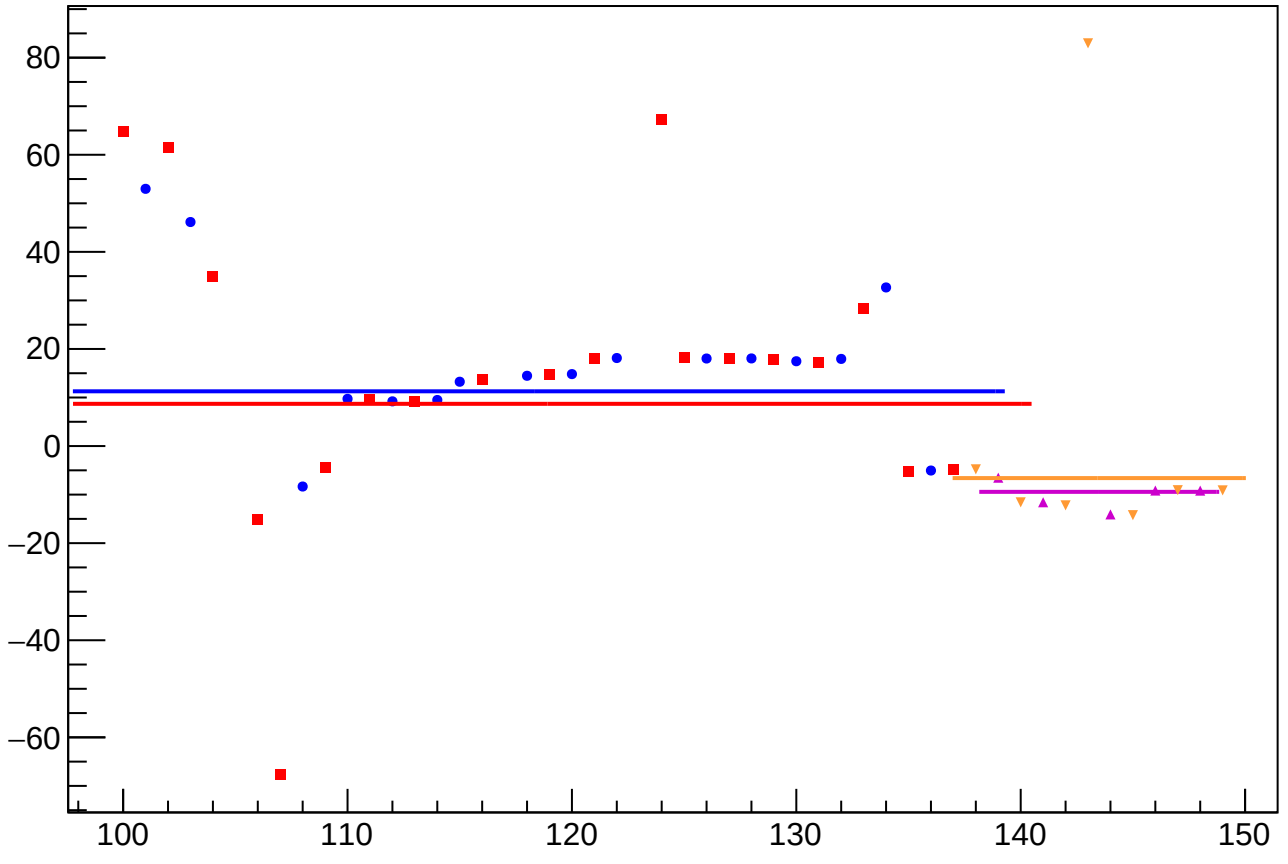
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.366+/-0.526 χ^2/NDF:30.6/4

\+ sign -2.924+/-0.357 χ^2/NDF: 1298.6/22

All: -3.058+/-0.256 χ^2/NDF: 2516.0/46

\- 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: -6.599+/-0.024 χ^2/NDF:470323.3/6

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

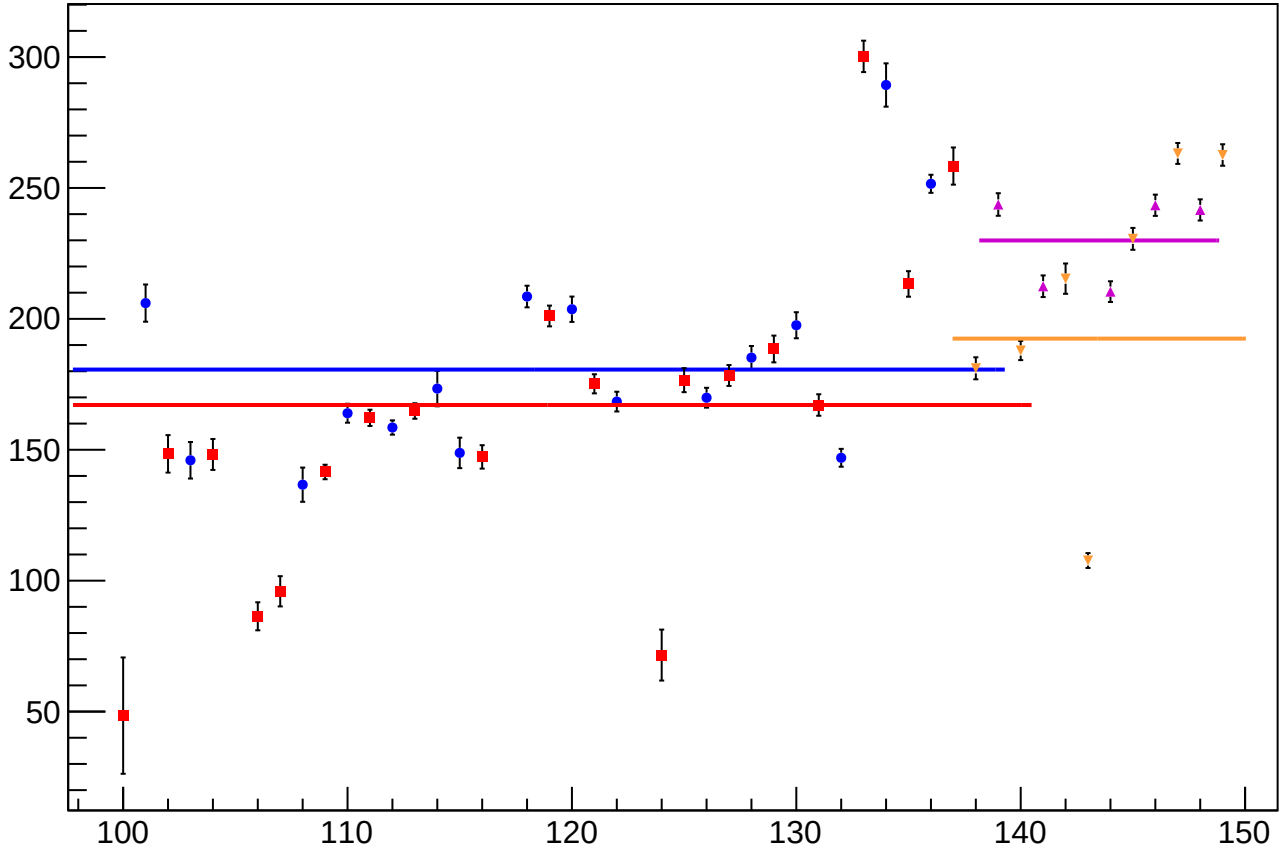
Left In: -9.433+/-0.025 χ^2/NDF:10032.9/4

+ sign 0.521+/-0.019 χ^2/NDF: 1034412.9/22

All: -0.924+/-0.014 χ^2/NDF: 1697650.0/46

- sign -2.463+/-0.019 χ^2/NDF: 651142.7/23

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 192.452+/-1.468 χ^2/NDF:1603.5/6

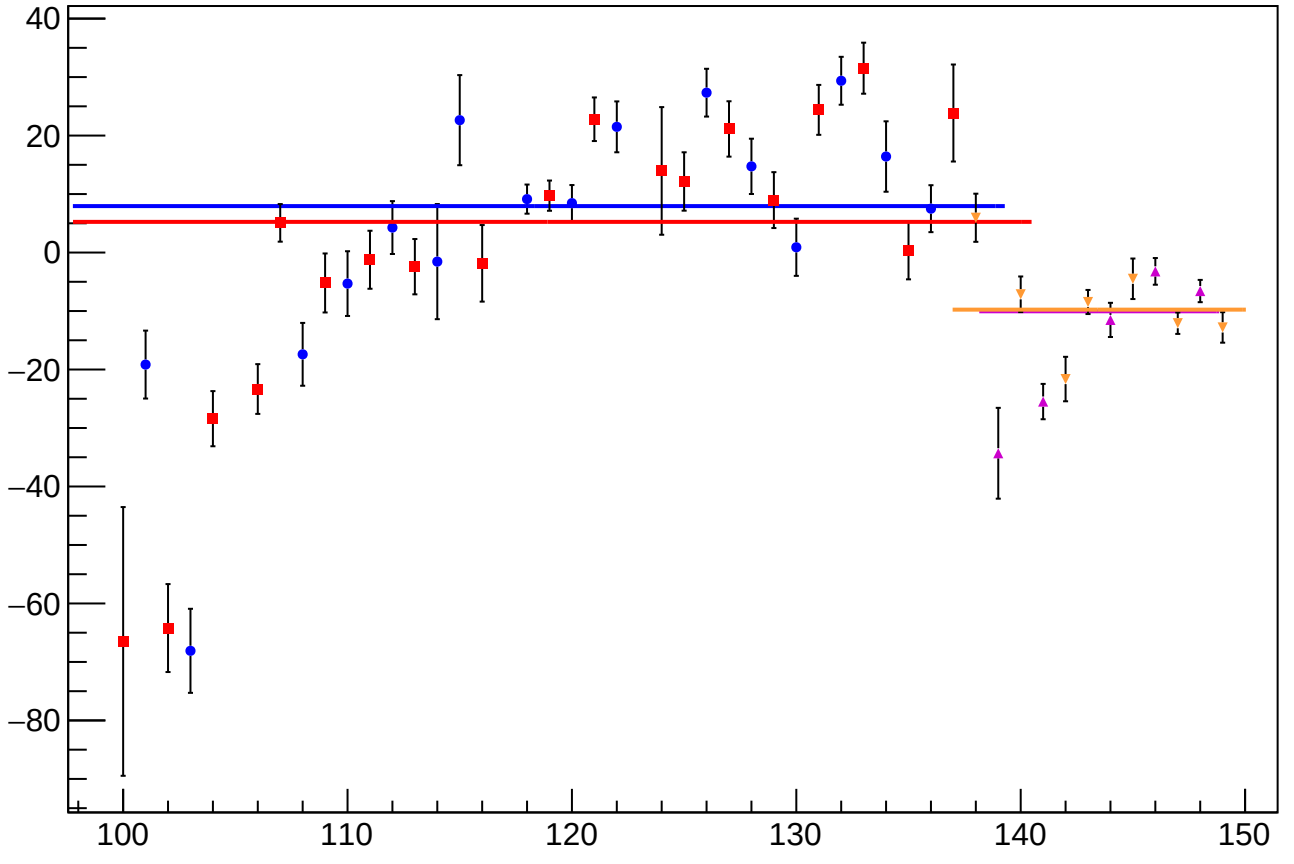
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 229.946+/-1.832 χ^2/NDF:71.7/4

+ sign 184.832+/-0.875 χ^2/NDF: 2638.7/22

All: 183.438+/-0.625 χ^2/NDF: 5098.0/46

- 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: -9.763+/-1.000 χ^2/NDF:30.8/6

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

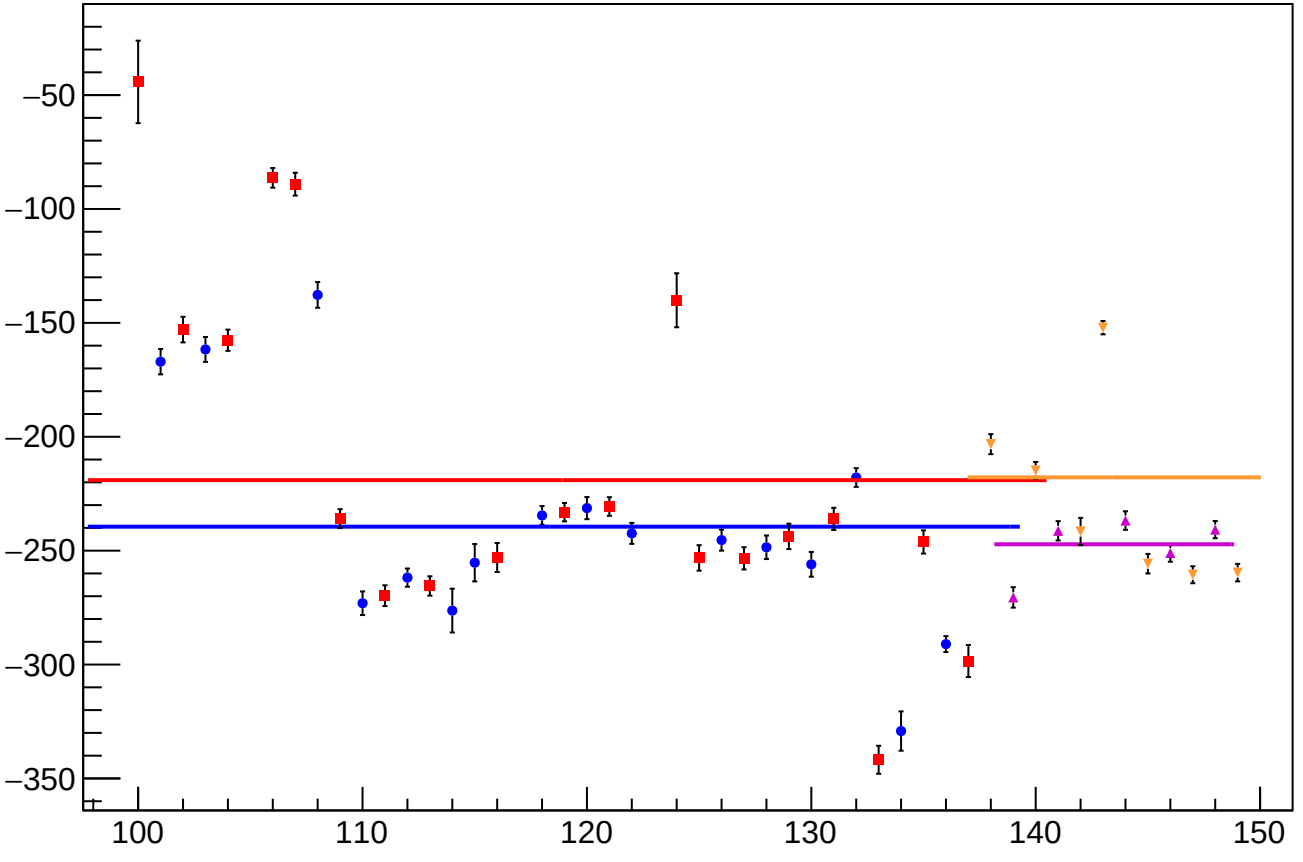
Left In: -10.045+/-1.186 χ^2/NDF:48.4/4

\+ sign -1.856+/-0.744 χ^2/NDF: 403.6/22

All: -1.717+/-0.542 χ^2/NDF: 847.3/46

\- 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: -217.814+/-1.471 χ^2/NDF:862.2/6

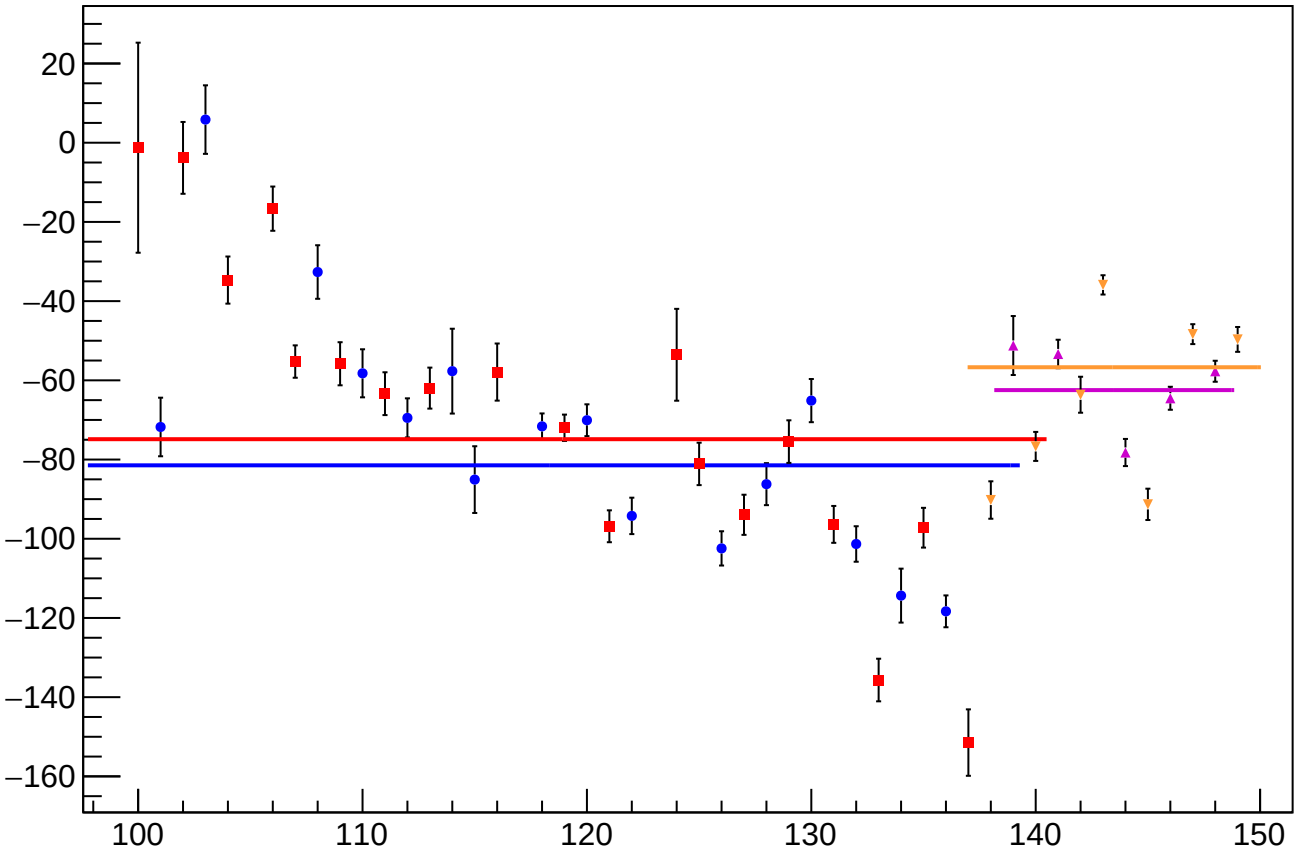
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.206+/-1.822 χ^2/NDF:39.3/4

+ sign -230.429+/-0.951 χ^2/NDF: 2150.6/22

All: -228.943+/-0.685 χ^2/NDF: 5412.8/46

- 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: -56.696+/-1.231 χ^2/NDF:248.0/6

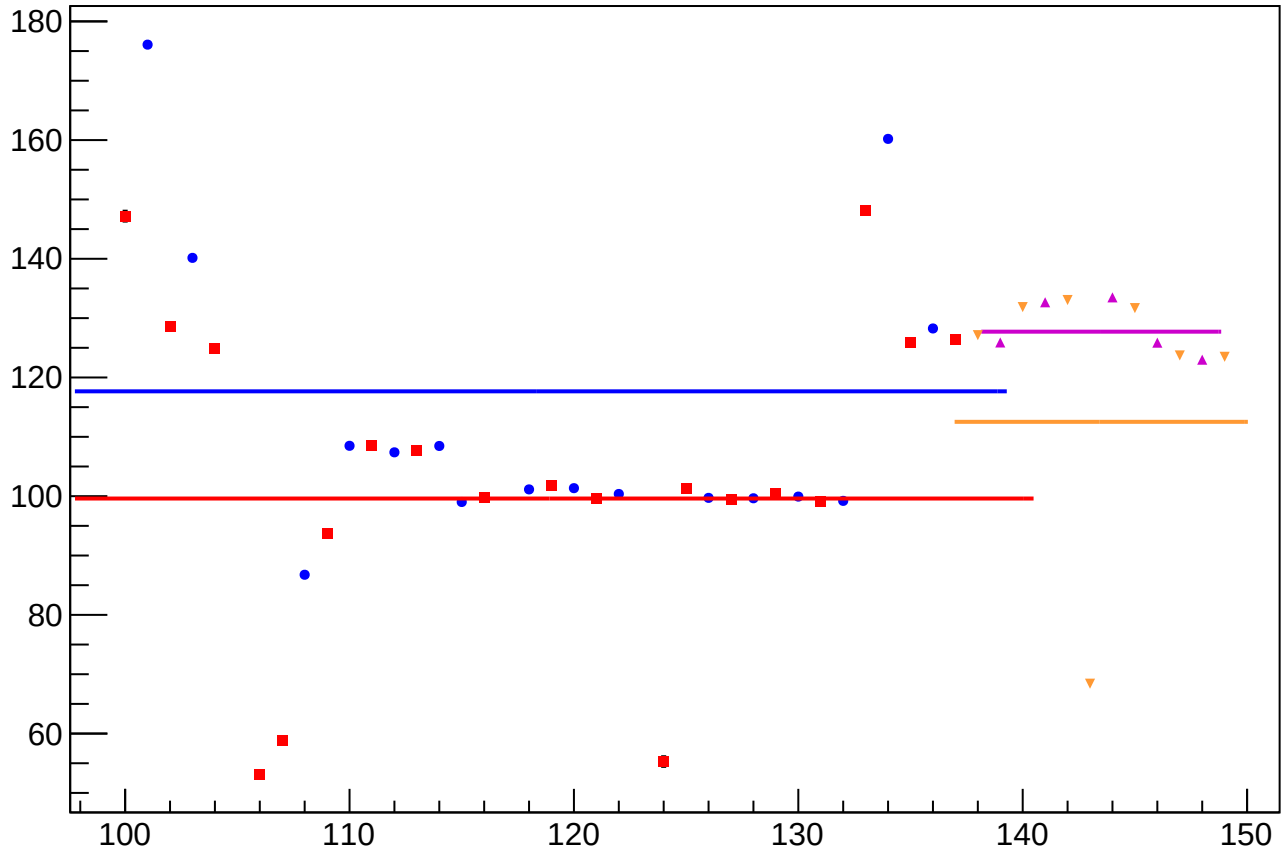
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -62.466+/-1.505 χ^2/NDF:33.6/4

\+ sign -68.530+/-0.890 χ^2/NDF: 807.8/22

All: -69.167+/-0.650 χ^2/NDF: 1459.8/46

\- 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: 112.528+/-0.062 χ^2/NDF:180547.0/6

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

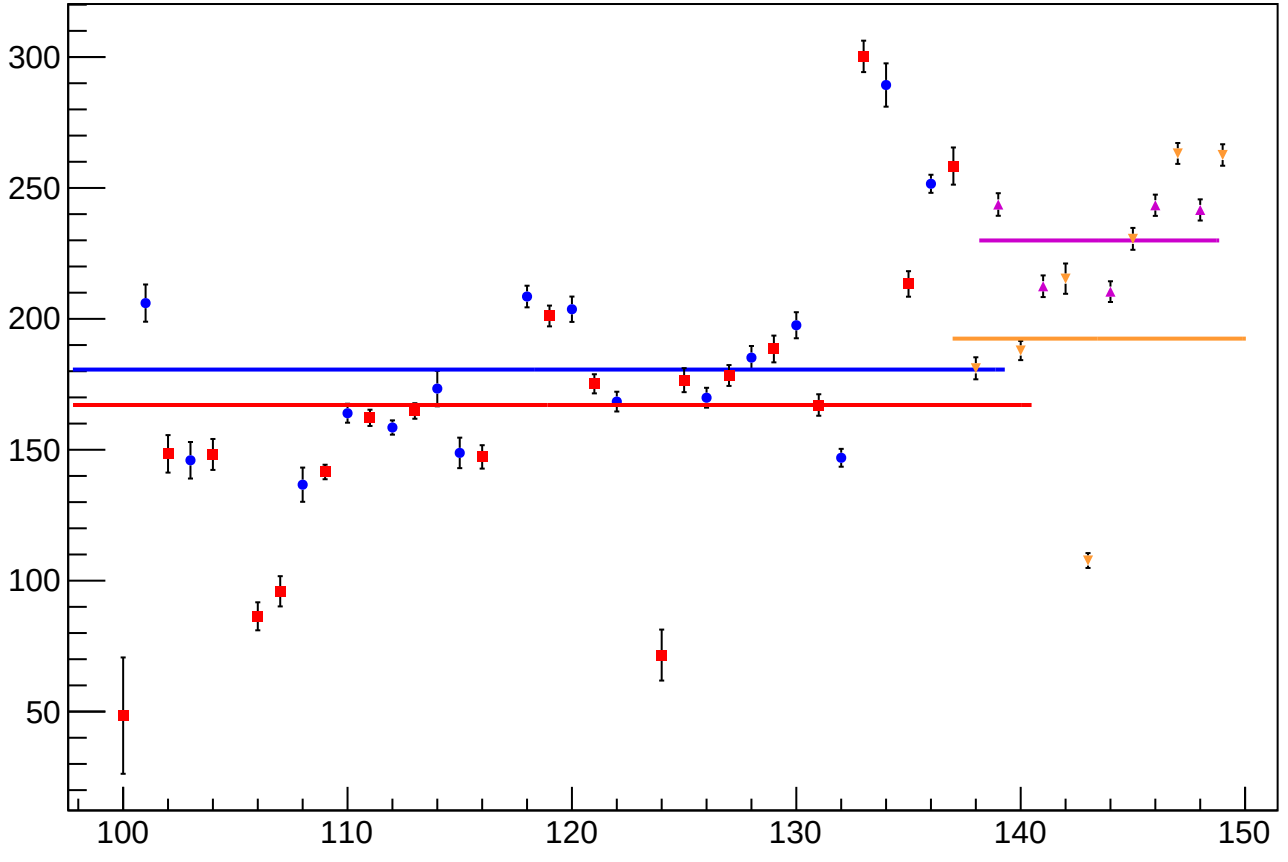
Left In: 127.719+/-0.074 χ^2/NDF:3015.1/4

+ sign 114.505+/-0.049 χ^2/NDF: 278596.8/22

All: 113.721+/-0.035 χ^2/NDF: 523754.3/46

- sign 112.852+/-0.051 χ^2/NDF: 244607.9/23

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 192.452+/-1.468 χ^2/NDF:1603.5/6

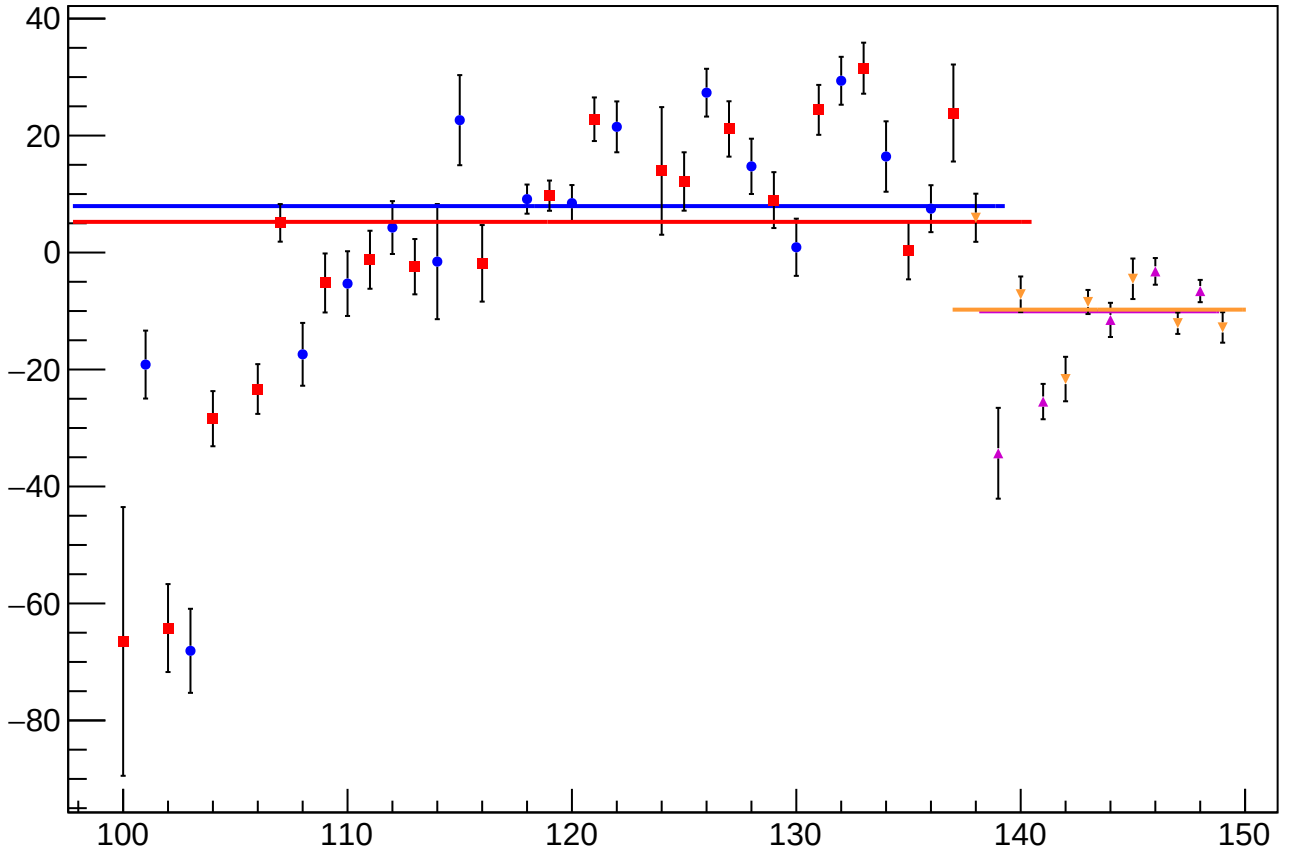
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 229.946+/-1.832 χ^2/NDF:71.7/4

+ sign 184.832+/-0.875 χ^2/NDF: 2638.7/22

All: 183.438+/-0.625 χ^2/NDF: 5098.0/46

- 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: -9.763+/-1.000 χ^2/NDF:30.8/6

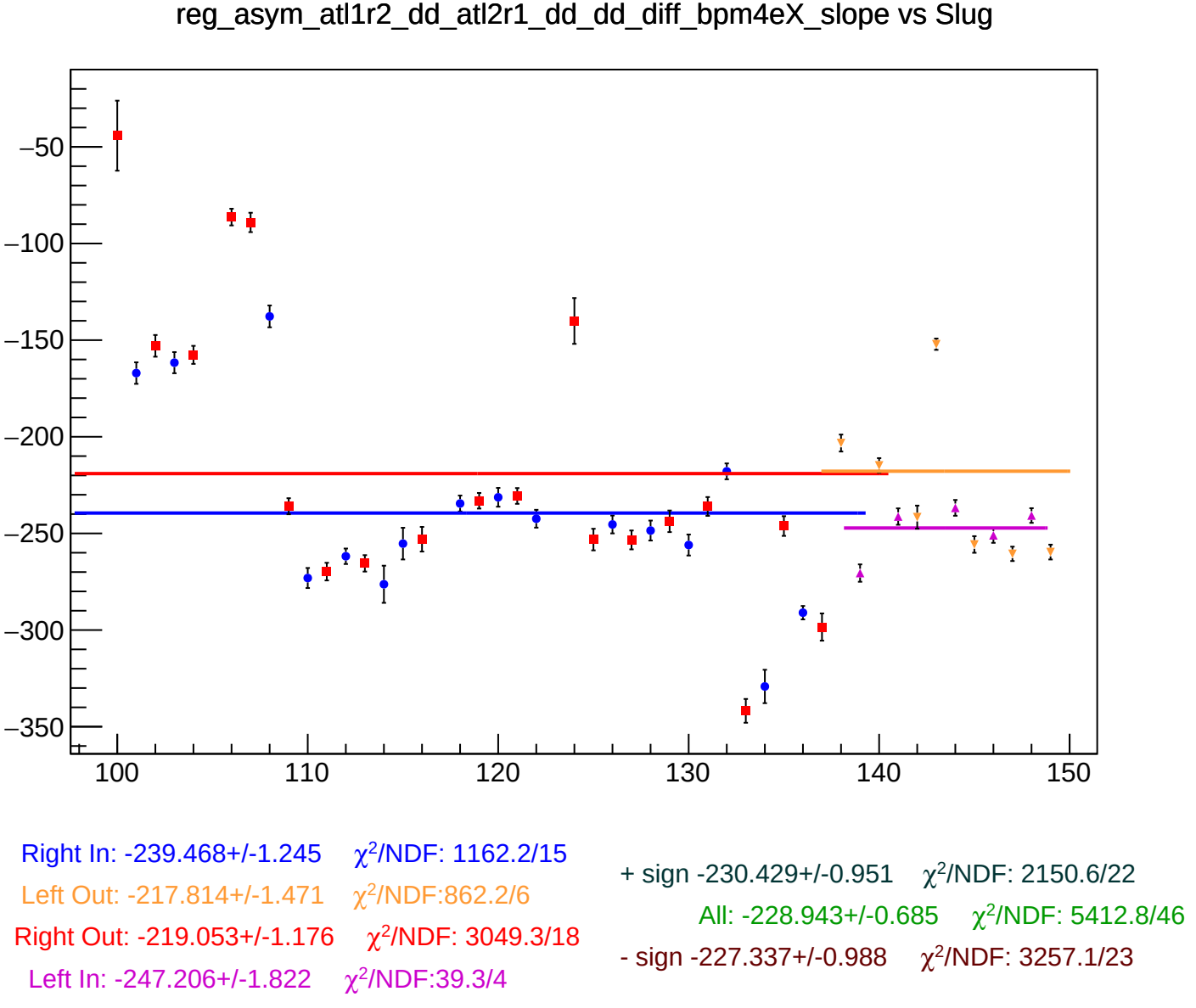
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

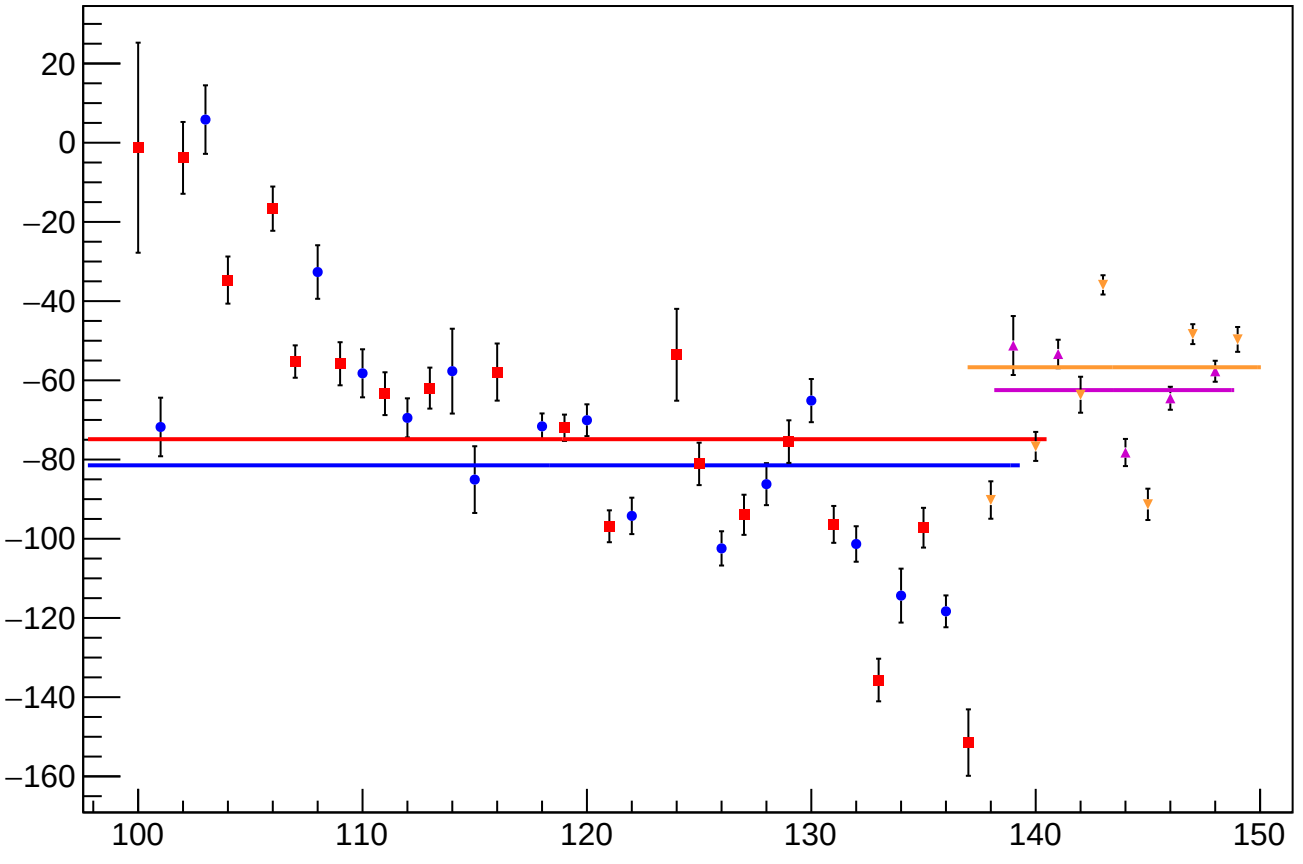
Left In: -10.045+/-1.186 χ^2/NDF:48.4/4

\+ sign -1.856+/-0.744 χ^2/NDF: 403.6/22

All: -1.717+/-0.542 χ^2/NDF: 847.3/46

\- sign -1.561+/-0.791 χ^2/NDF: 443.5/23


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -217.814+/-1.471 χ²/NDF:862.2/6
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -247.206+/-1.822 χ²/NDF:39.3/4
+ sign -230.429+/-0.951 χ²/NDF: 2150.6/22
All: -228.943+/-0.685 χ²/NDF: 5412.8/46
- sign -227.337+/-0.988 χ²/NDF: 3257.1/23



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -56.696+/-1.231 χ^2/NDF:248.0/6

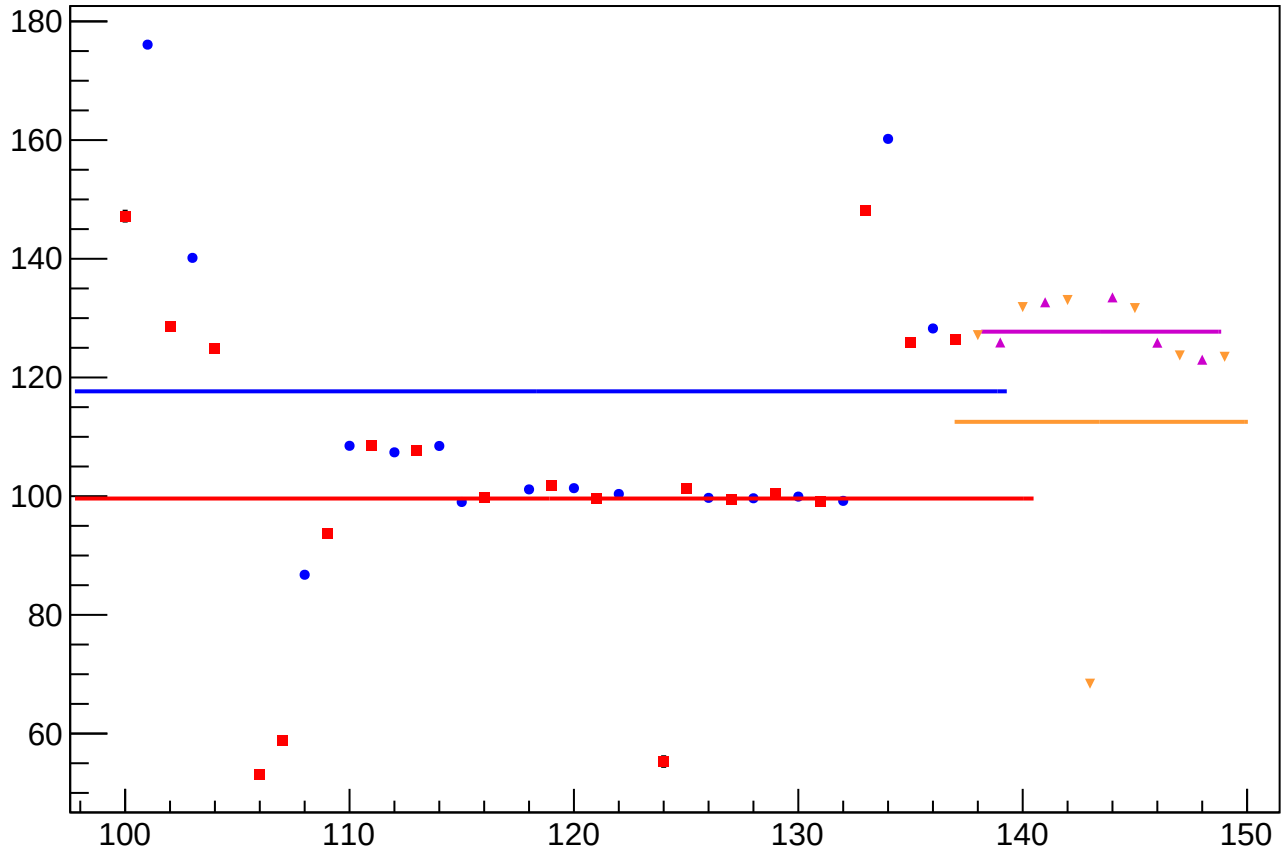
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -62.466+/-1.505 χ^2/NDF:33.6/4

+ sign -68.530+/-0.890 χ^2/NDF: 807.8/22

All: -69.167+/-0.650 χ^2/NDF: 1459.8/46

- 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: 112.528+/-0.062 χ^2/NDF:180547.0/6

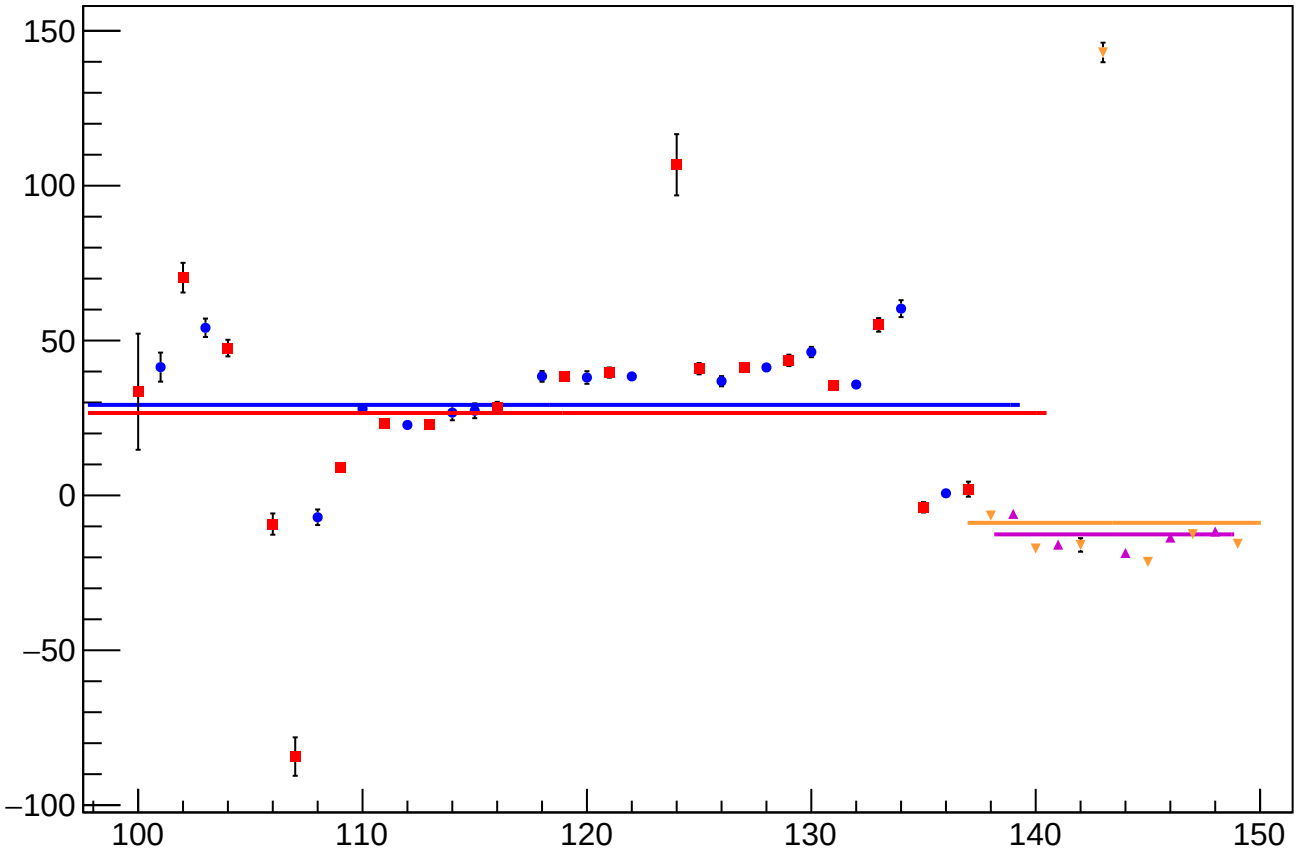
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 127.719+/-0.074 χ^2/NDF:3015.1/4

+ sign 114.505+/-0.049 χ^2/NDF: 278596.8/22

All: 113.721+/-0.035 χ^2/NDF: 523754.3/46

- 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: -8.853+/-0.586 χ^2/NDF:2466.9/6

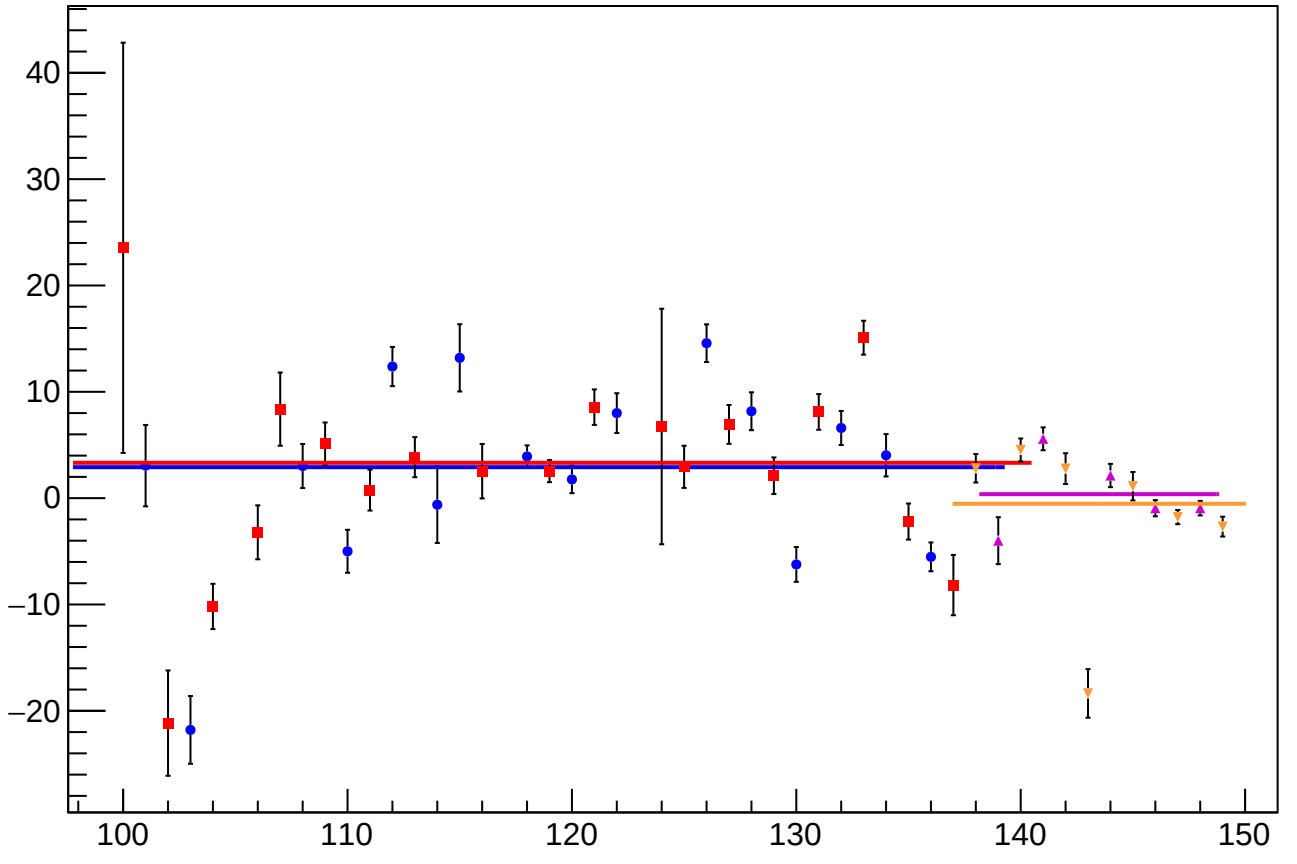
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.576+/-0.618 χ^2/NDF:51.7/4

\+ sign 16.128+/-0.344 χ^2/NDF: 6581.3/22

All: 15.303+/-0.243 χ^2/NDF: 11337.8/46

\- 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: -0.528+/-0.407 χ^2/NDF:104.6/6

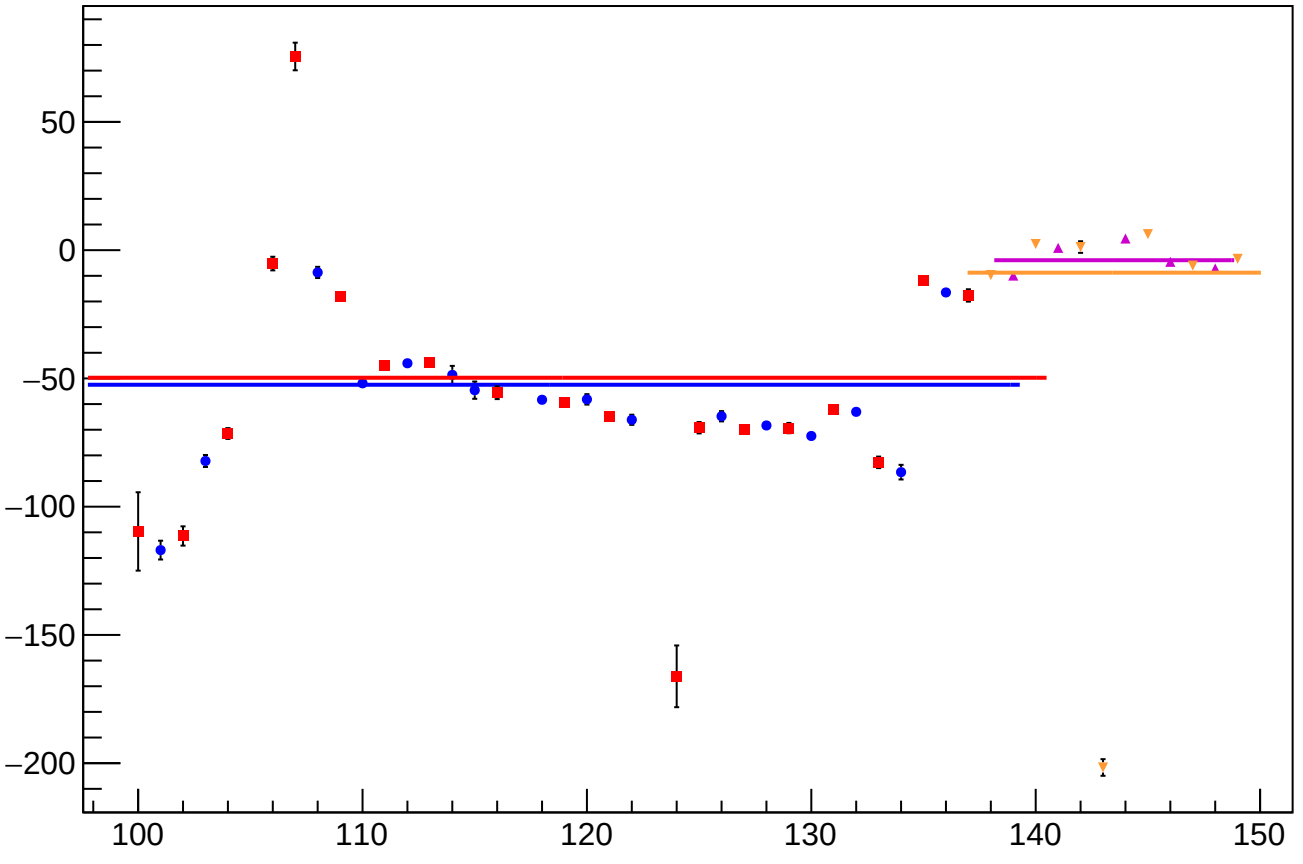
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.374+/-0.417 χ^2/NDF:36.7/4

+ sign 1.048+/-0.299 χ^2/NDF: 387.3/22

All: 1.378+/-0.214 χ^2/NDF: 631.2/46

- 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: -8.773+/-0.584 χ^2/NDF:3736.6/6

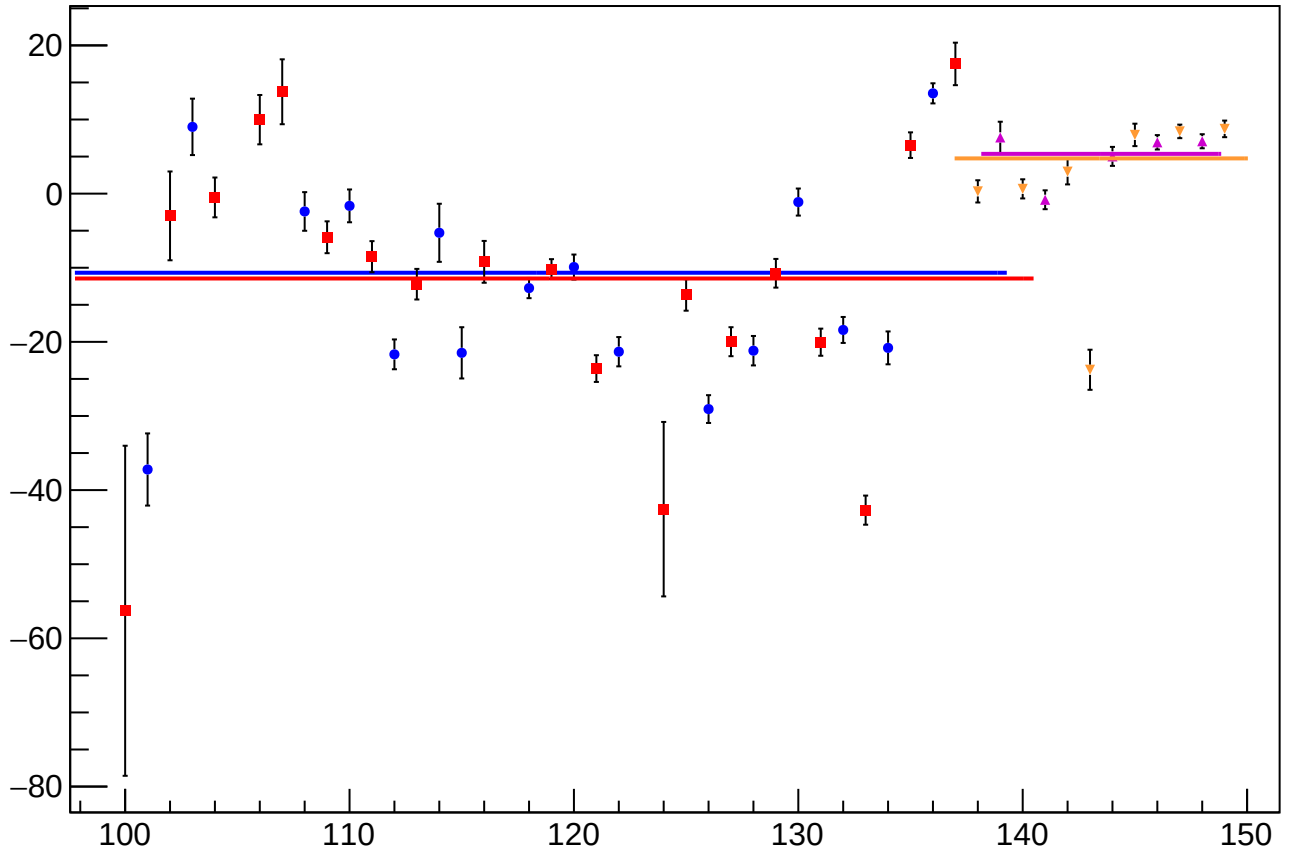
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.915+/-0.617 χ^2/NDF:69.1/4

+ sign -34.496+/-0.374 χ^2/NDF: 9367.0/22

All: -33.199+/-0.269 χ^2/NDF: 15832.8/46

- 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: 4.753+/-0.503 χ^2/NDF:164.1/6

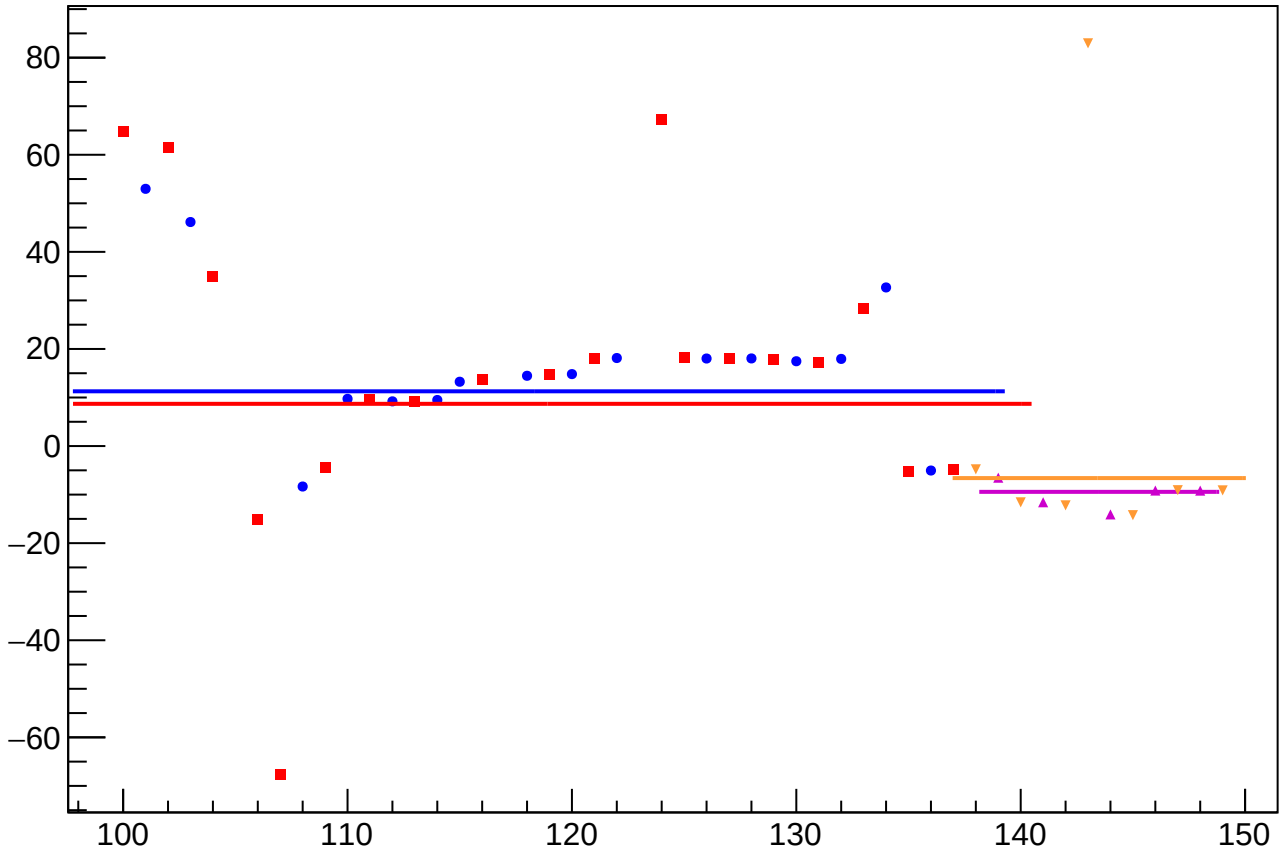
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.366+/-0.526 χ^2/NDF:30.6/4

\+ sign -2.924+/-0.357 χ^2/NDF: 1298.6/22

All: -3.058+/-0.256 χ^2/NDF: 2516.0/46

\- 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: -6.599+/-0.024 χ^2/NDF:470323.3/6

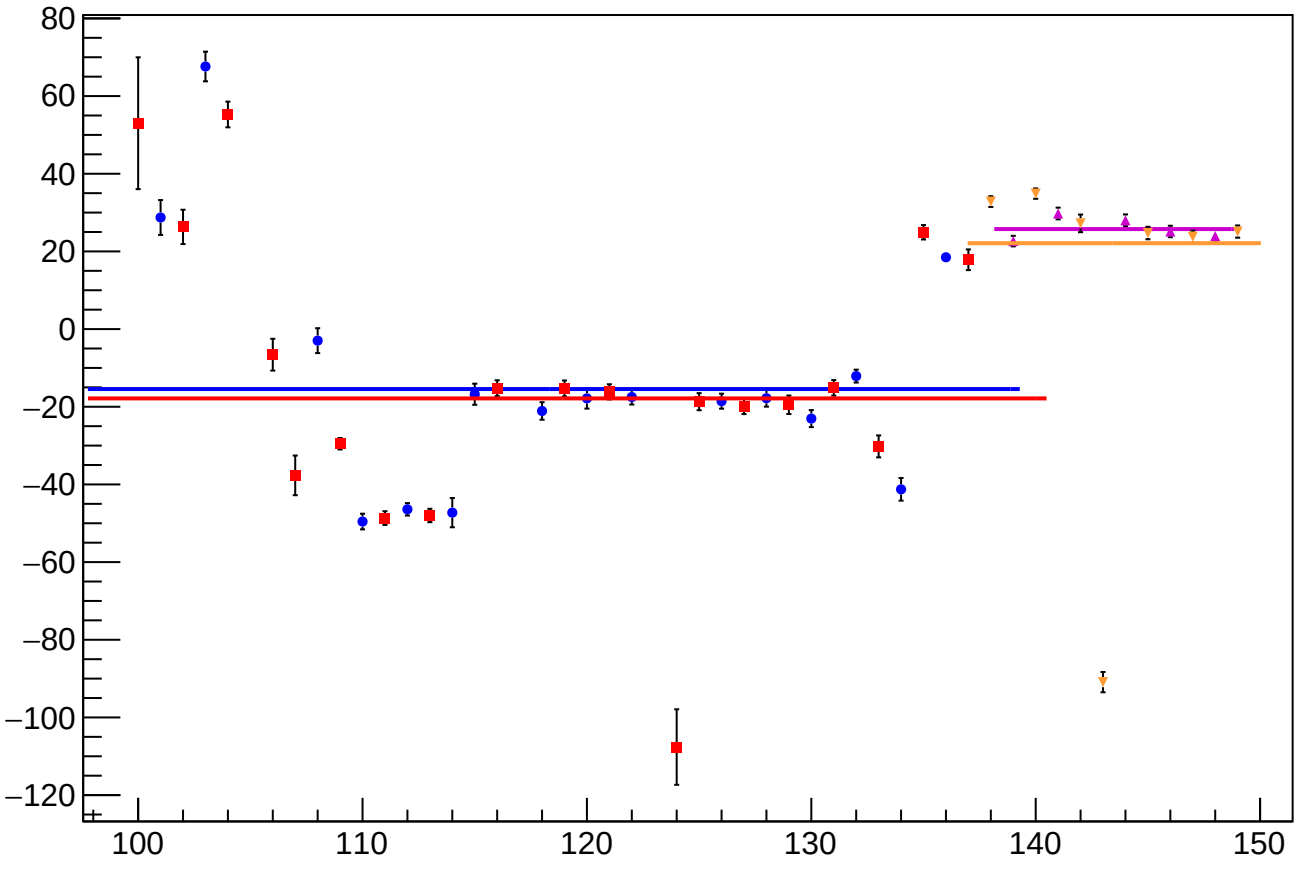
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.433+/-0.025 χ^2/NDF:10032.9/4

+ sign 0.521+/-0.019 χ^2/NDF: 1034412.9/22

All: -0.924+/-0.014 χ^2/NDF: 1697650.0/46

- sign -2.463+/-0.019 χ^2/NDF: 651142.7/23



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 22.125+/-0.618 χ^2/NDF:2034.9/6

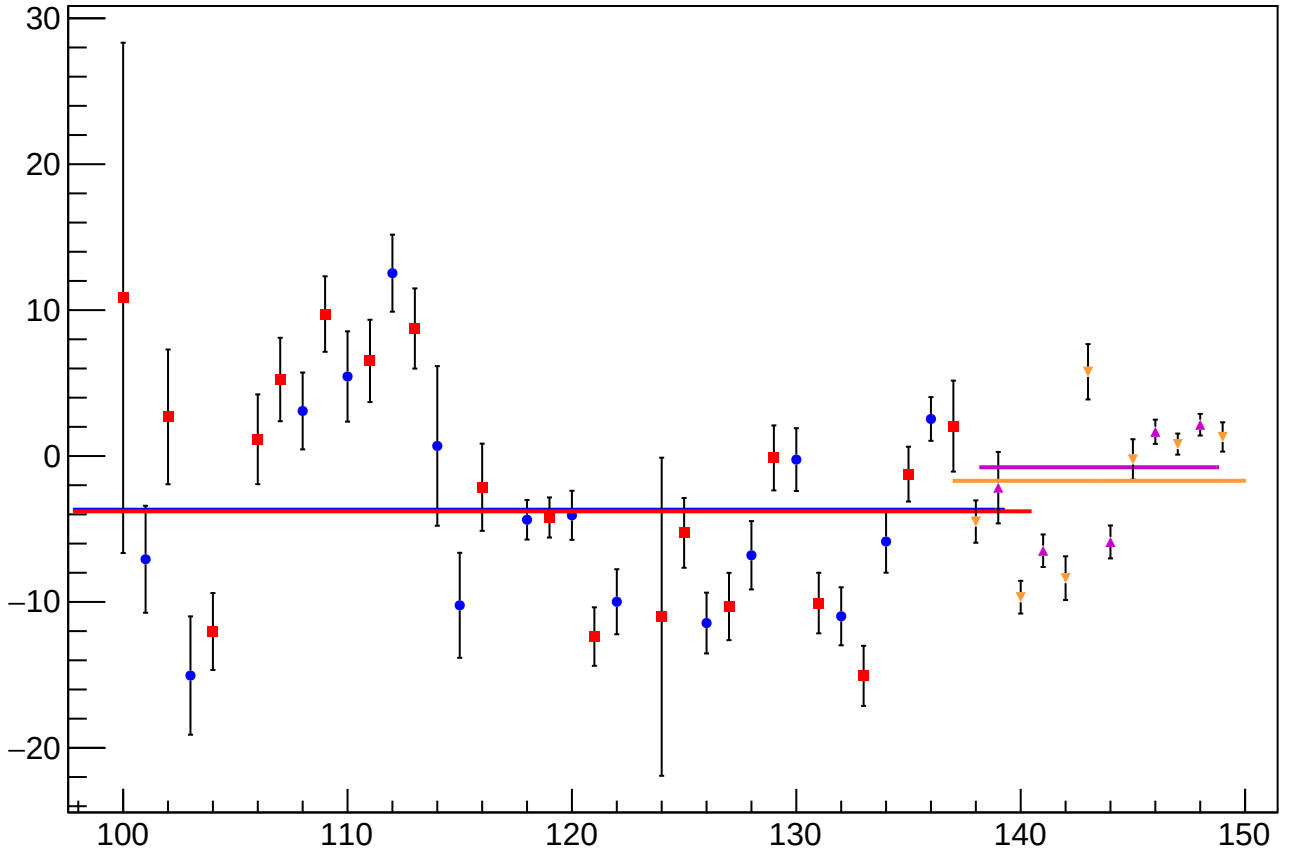
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.754+/-0.663 χ^2/NDF:15.9/4

\+ sign 0.787+/-0.406 χ^2/NDF: 6256.6/22

All: -0.022+/-0.290 χ^2/NDF: 11046.3/46

\- 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: -1.697+/-0.429 χ^2/NDF:111.9/6

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

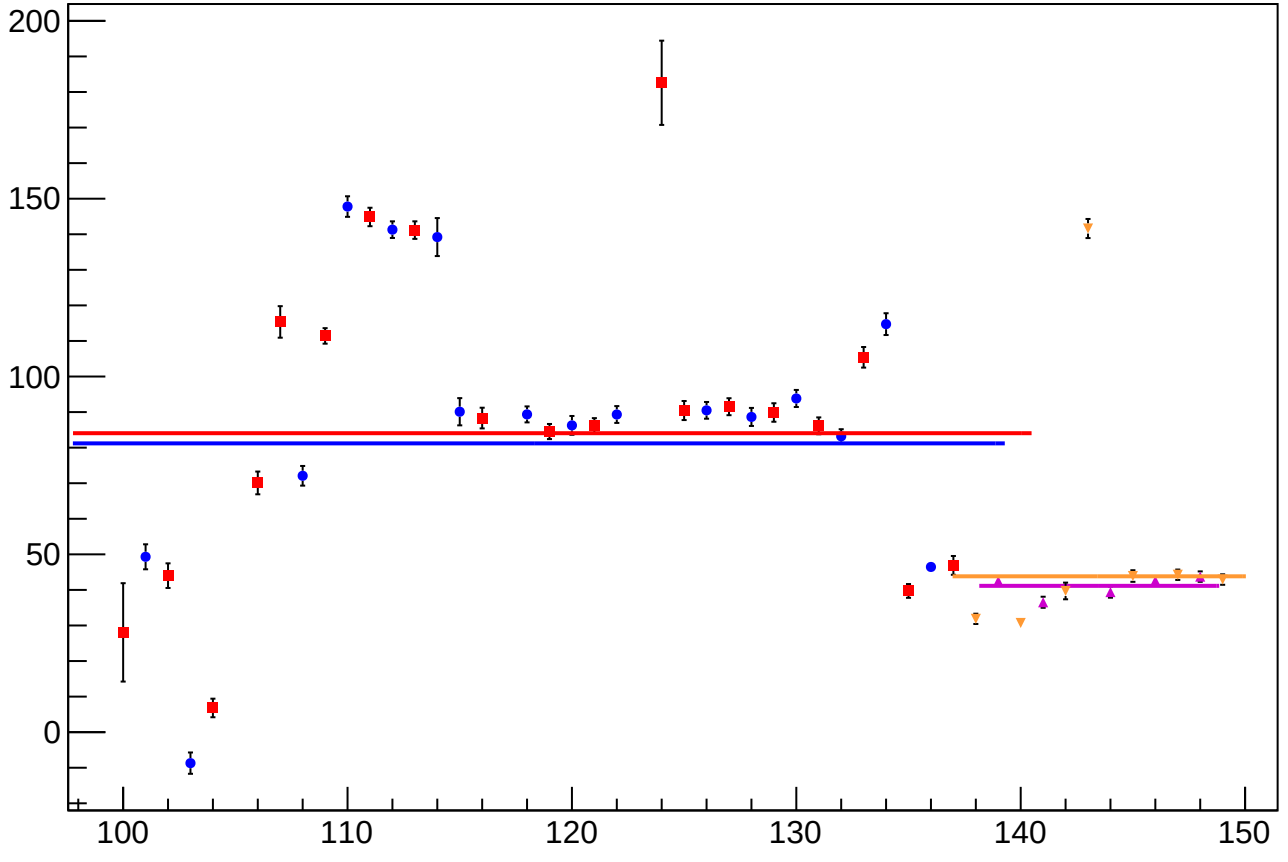
Left In: -0.770+/-0.446 χ^2/NDF:71.3/4

+ sign -2.444+/-0.339 χ^2/NDF: 243.9/22

All: -2.196+/-0.243 χ^2/NDF: 495.2/46

- 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: 43.824+/-0.617 χ^2/NDF:1487.3/6

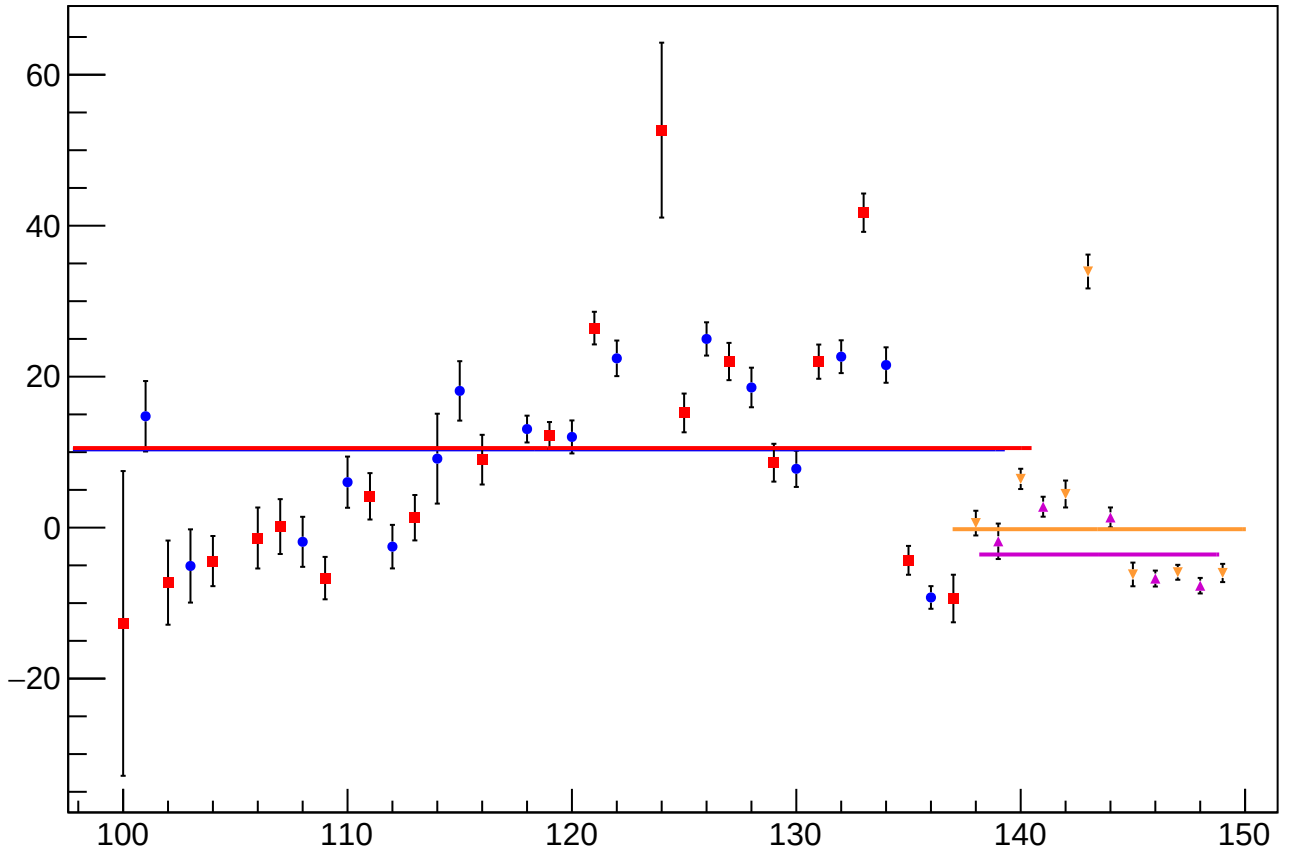
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.145+/-0.662 χ^2/NDF:15.1/4

+ sign 62.806+/-0.433 χ^2/NDF: 6583.8/22

All: 63.437+/-0.312 χ^2/NDF: 12063.5/46

- 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: -0.207+/-0.530 χ^2/NDF:334.8/6

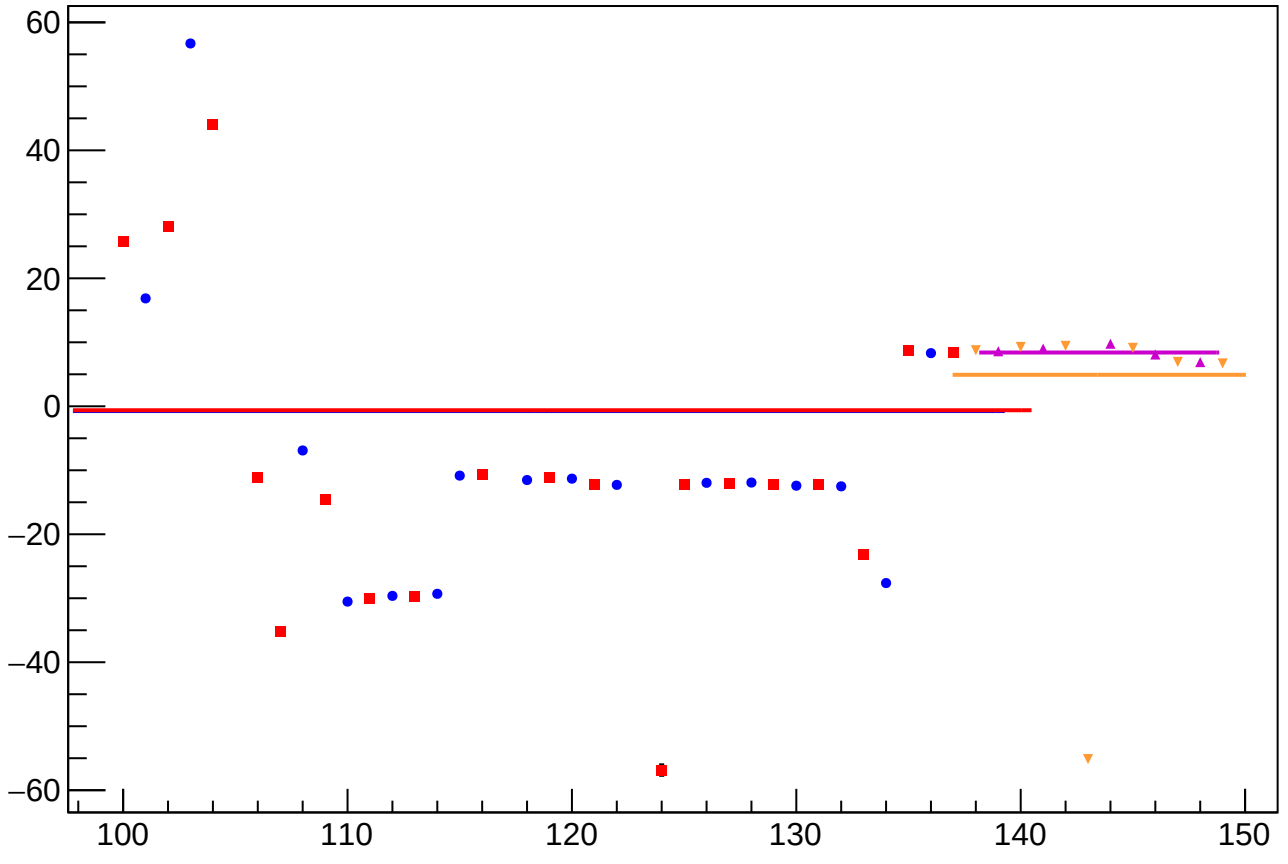
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -3.560+/-0.562 χ^2/NDF:62.5/4

\+ sign 4.204+/-0.405 χ^2/NDF: 860.6/22

All: 3.426+/-0.292 χ^2/NDF: 1675.4/46

\- 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: 4.919+/-0.026 χ^2/NDF:306746.6/6

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

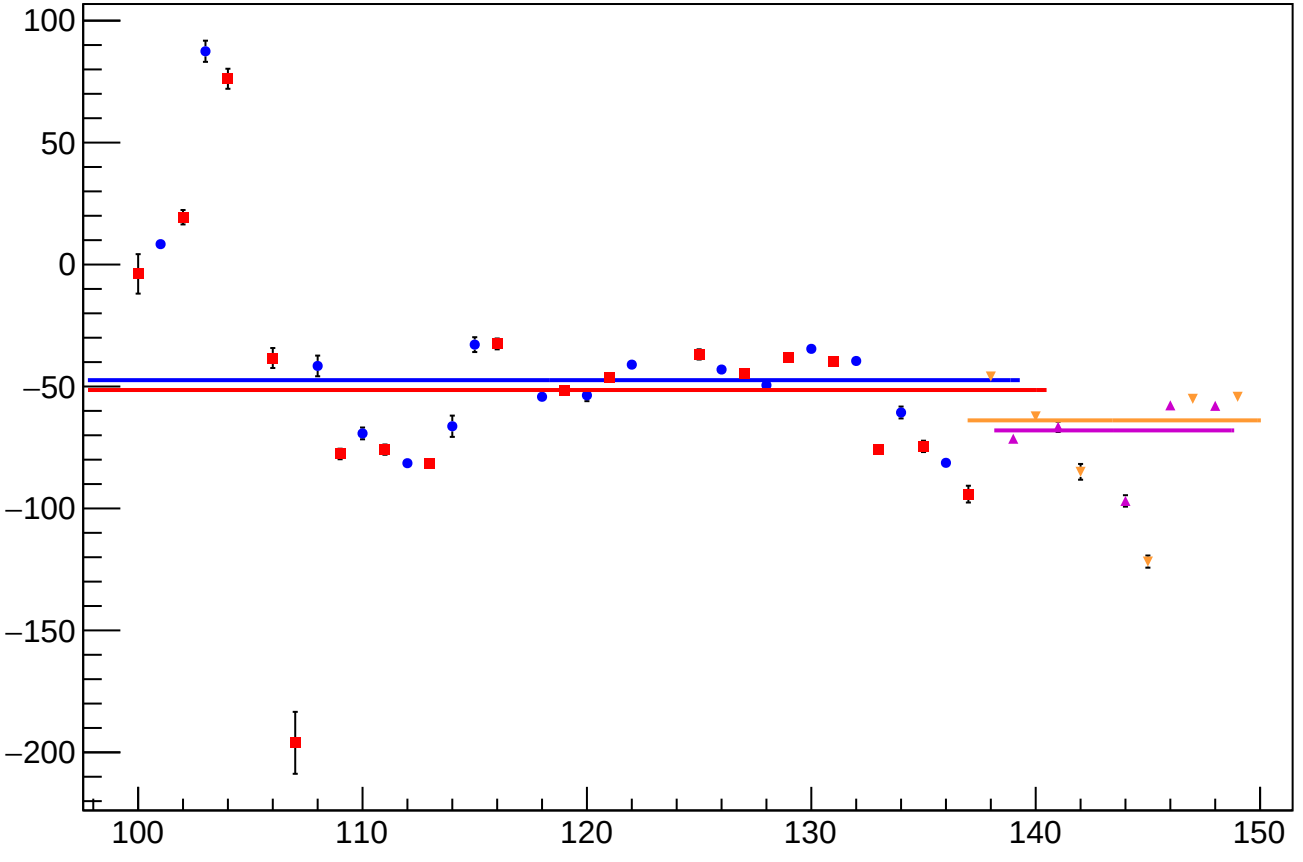
Left In: 8.404+/-0.027 χ^2/NDF:1154.3/4

+ sign 2.992+/-0.021 χ^2/NDF: 691185.0/22

All: 4.124+/-0.015 χ^2/NDF: 1053519.1/46

- 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: -63.887+/-0.840 χ^2/NDF:733.0/5

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

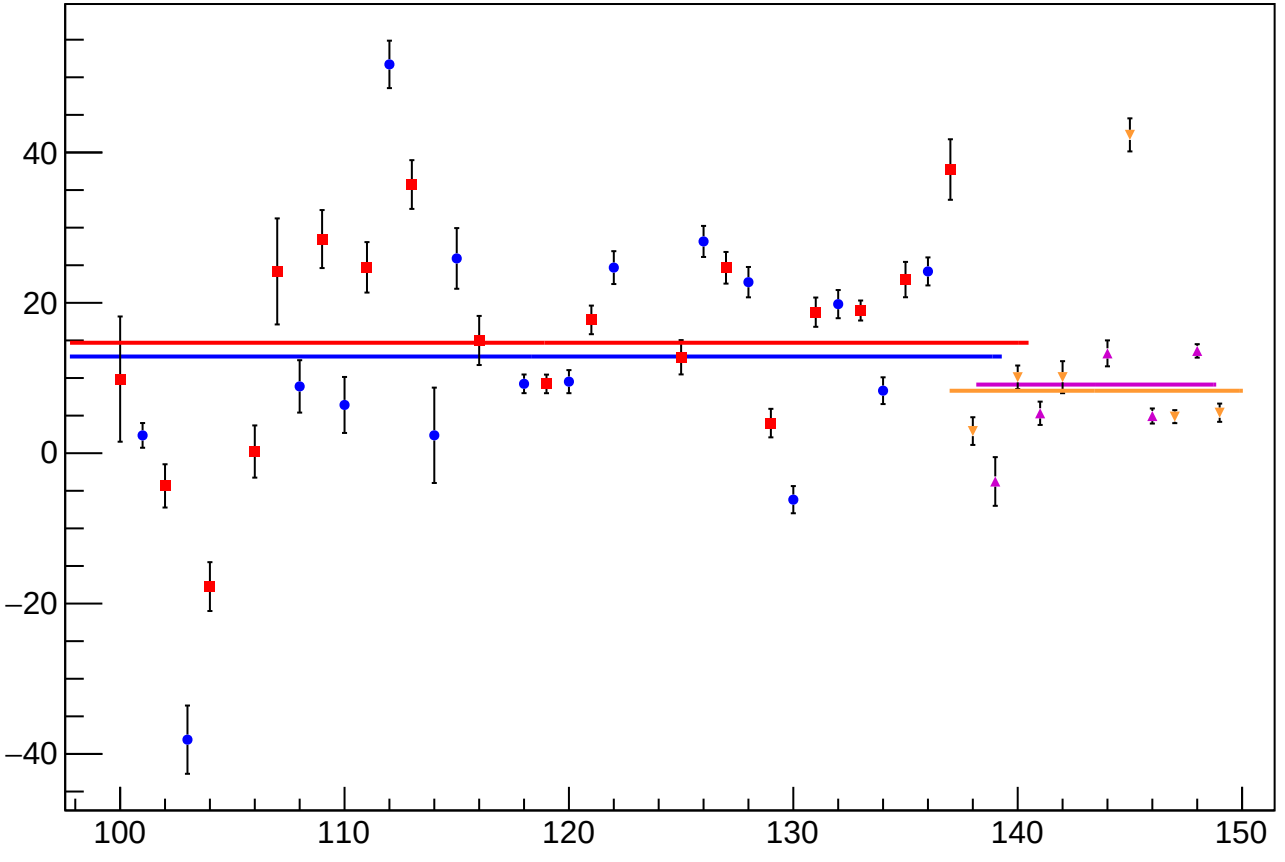
Left In: -68.004+/-0.877 χ^2/NDF:217.2/4

\+ sign -52.160+/-0.451 χ^2/NDF: 3776.3/21

All: -54.057+/-0.323 χ^2/NDF: 7159.5/44

\- sign -56.055+/-0.463 χ^2/NDF: 3346.9/22

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 8.307+/-0.564 χ^2/NDF:271.6/5

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

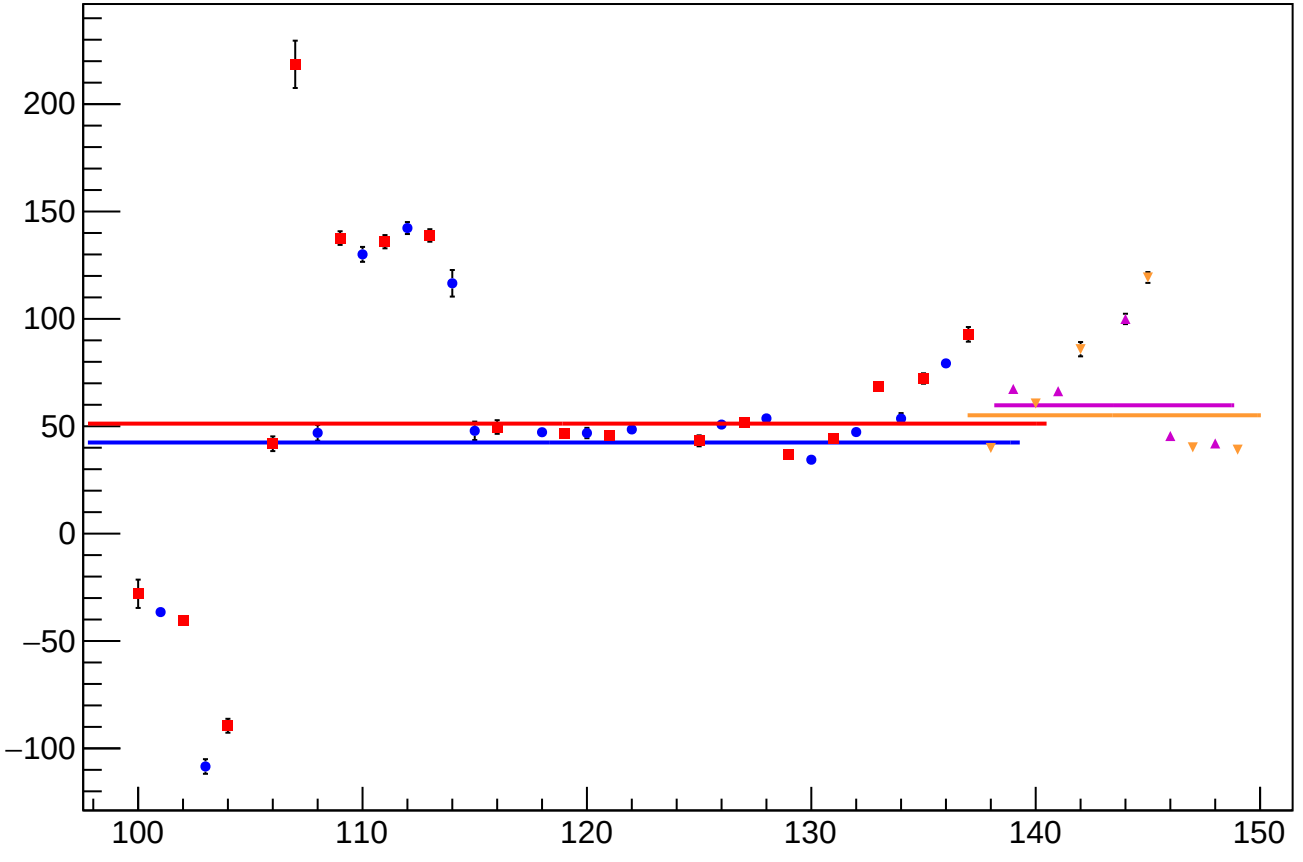
Left In: 9.128+/-0.569 χ^2/NDF:70.0/4

+ sign 10.772+/-0.382 χ^2/NDF: 932.4/21

All: 11.385+/-0.274 χ^2/NDF: 1421.7/44

- sign 12.035+/-0.393 χ^2/NDF: 484.0/22

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 55.110+/-0.830 χ^2/NDF:964.0/5

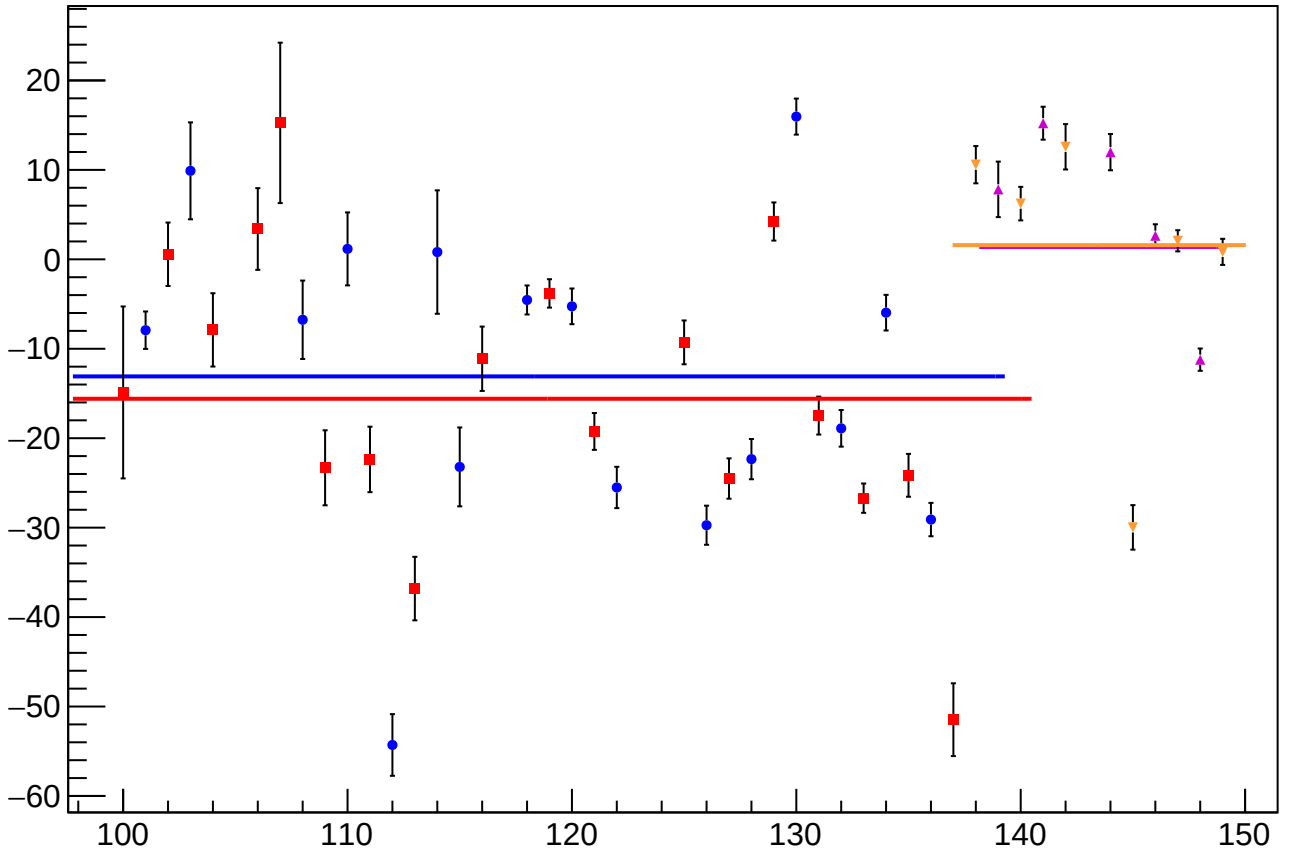
Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 59.761+/-0.870 χ^2/NDF:472.6/4

+ sign 46.634+/-0.478 χ^2/NDF: 8288.7/21

All: 50.166+/-0.346 χ^2/NDF: 15551.8/44

- 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: 1.587+/-0.705 χ^2/NDF:204.7/5

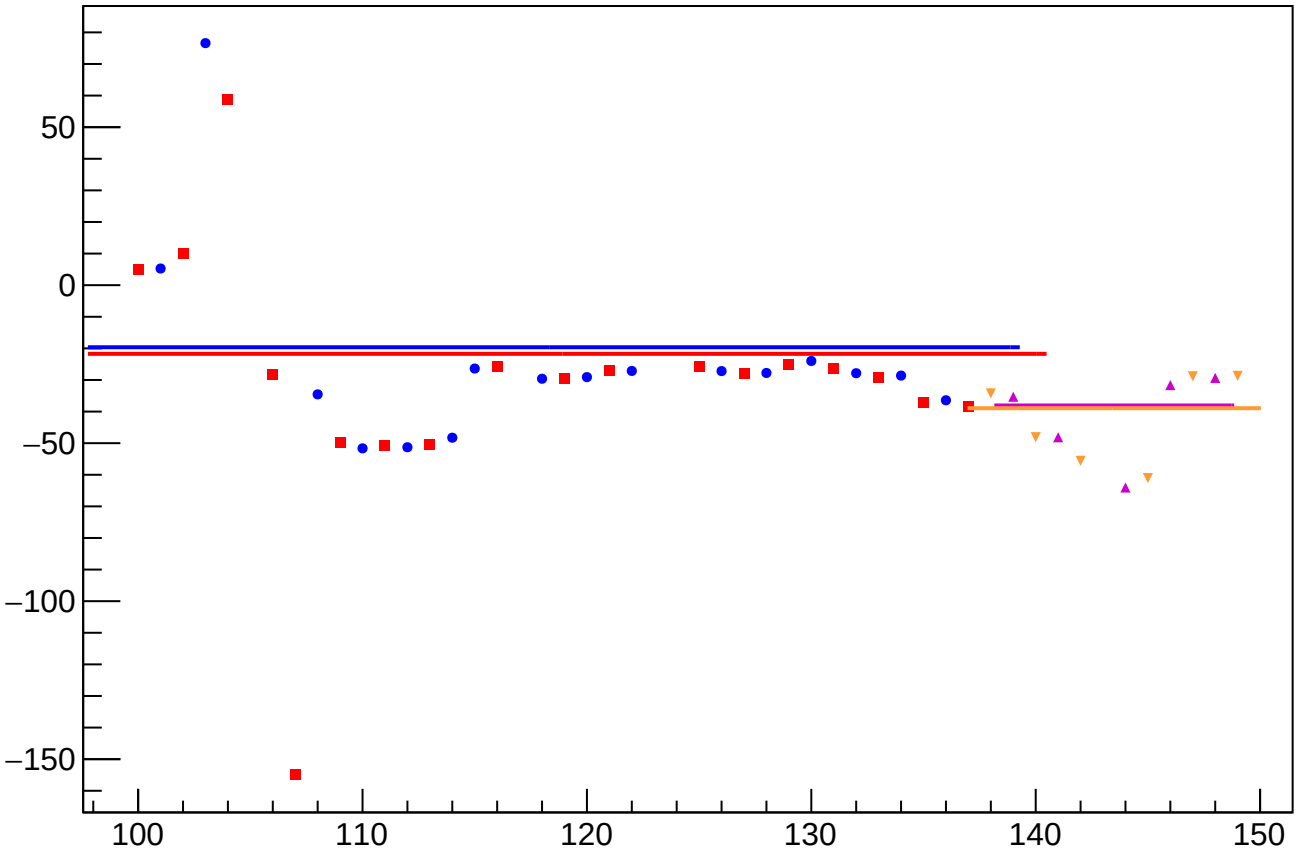
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 1.379+/-0.726 χ^2/NDF:191.3/4

+ sign -6.924+/-0.457 χ^2/NDF: 1096.2/21

All: -7.608+/-0.329 χ^2/NDF: 2006.7/44

- 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: -38.938+/-0.035 χ^2/NDF:115697.9/5

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

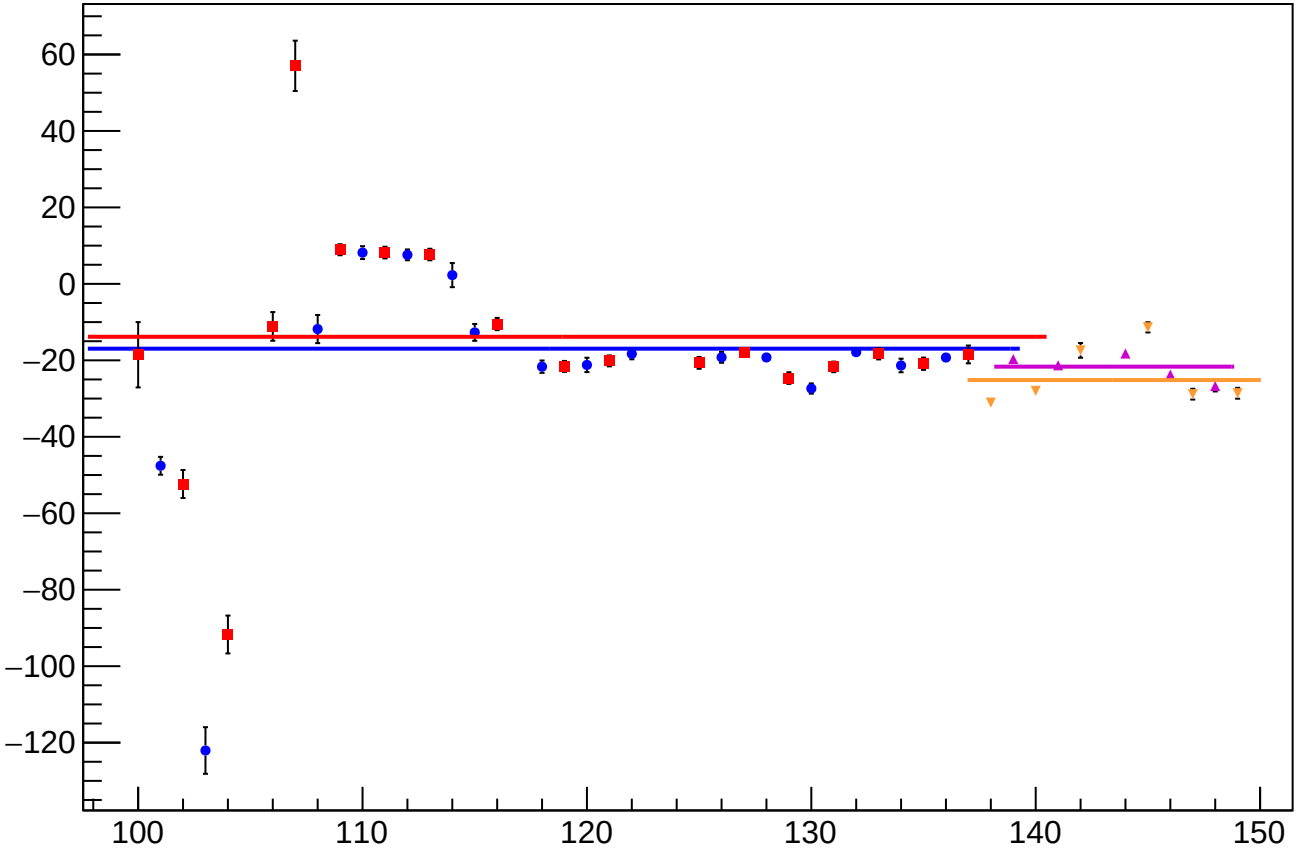
Left In: -38.069+/-0.035 χ^2/NDF:94381.7/4

+ sign -29.626+/-0.025 χ^2/NDF: 910307.2/21

All: -30.162+/-0.018 χ^2/NDF: 1649654.0/44

- 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: -25.154+/-0.552 χ^2/NDF:165.8/5

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

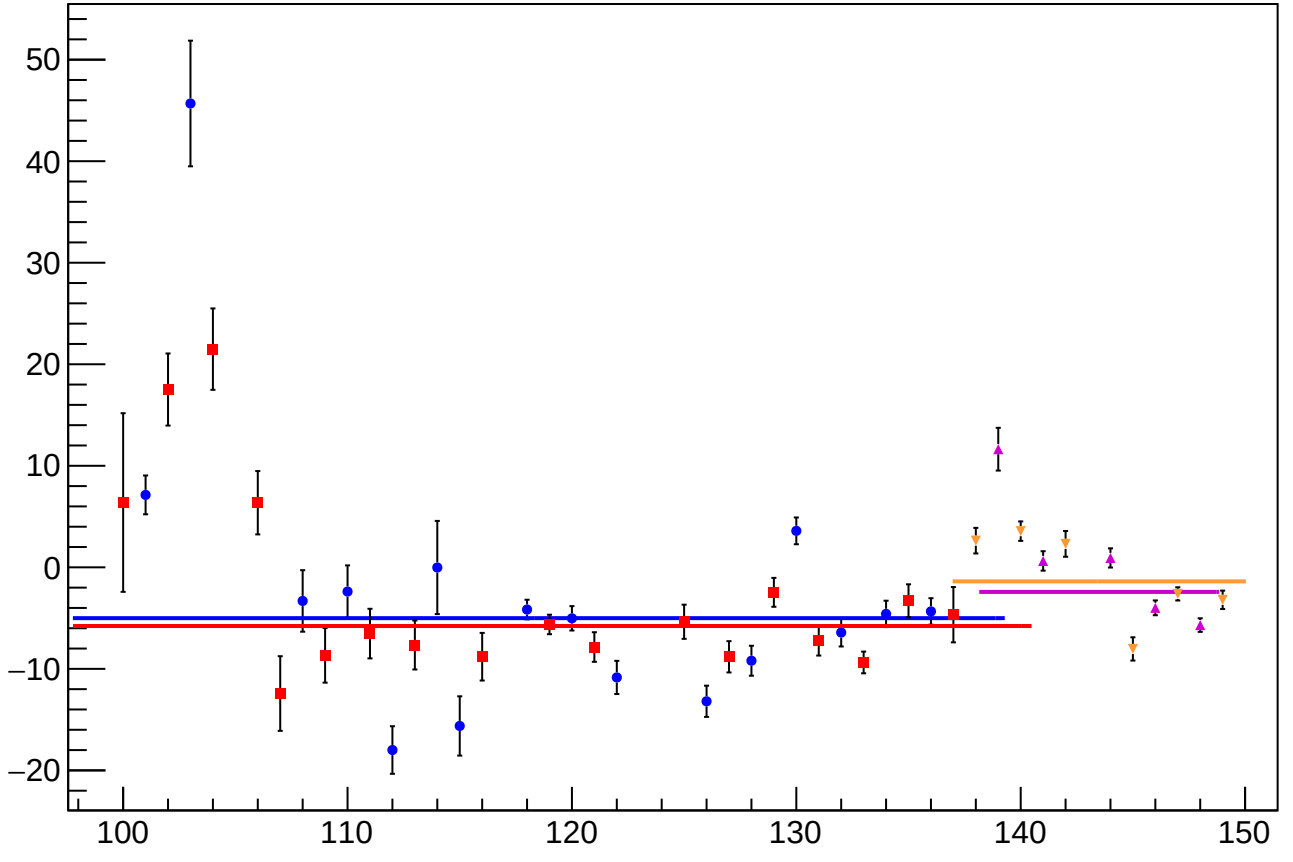
Left In: -21.651+/-0.573 χ^2/NDF:25.6/4

+ sign -19.810+/-0.326 χ^2/NDF: 1437.9/21

All: -18.178+/-0.233 χ^2/NDF: 2971.0/44

- 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: -1.384+/-0.387 χ^2/NDF:86.5/5

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

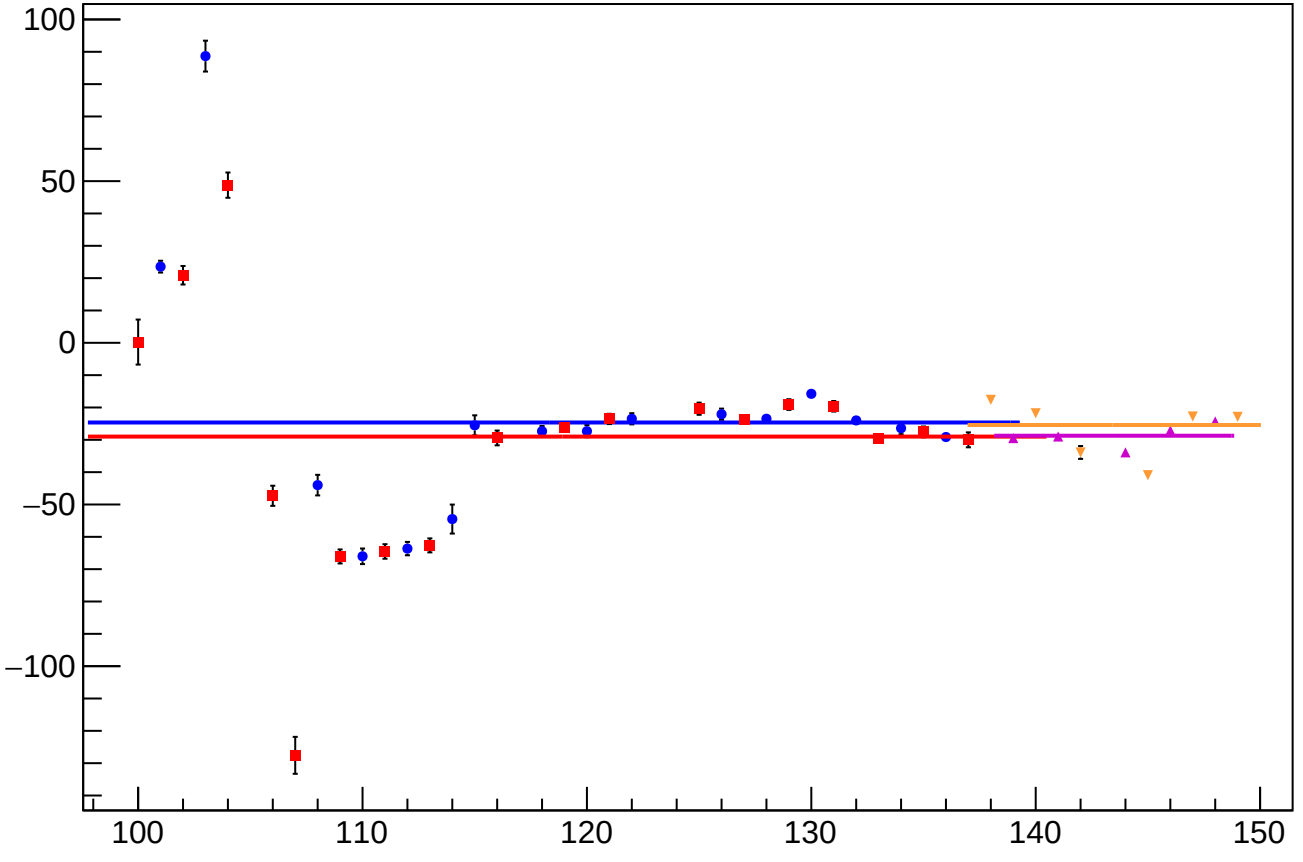
Left In: -2.422+/-0.391 χ^2/NDF:95.7/4

+ sign -3.129+/-0.279 χ^2/NDF: 376.5/21

All: -3.544+/-0.200 χ^2/NDF: 650.4/44

- 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: -25.419+/-0.551 χ^2/NDF:203.9/5

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

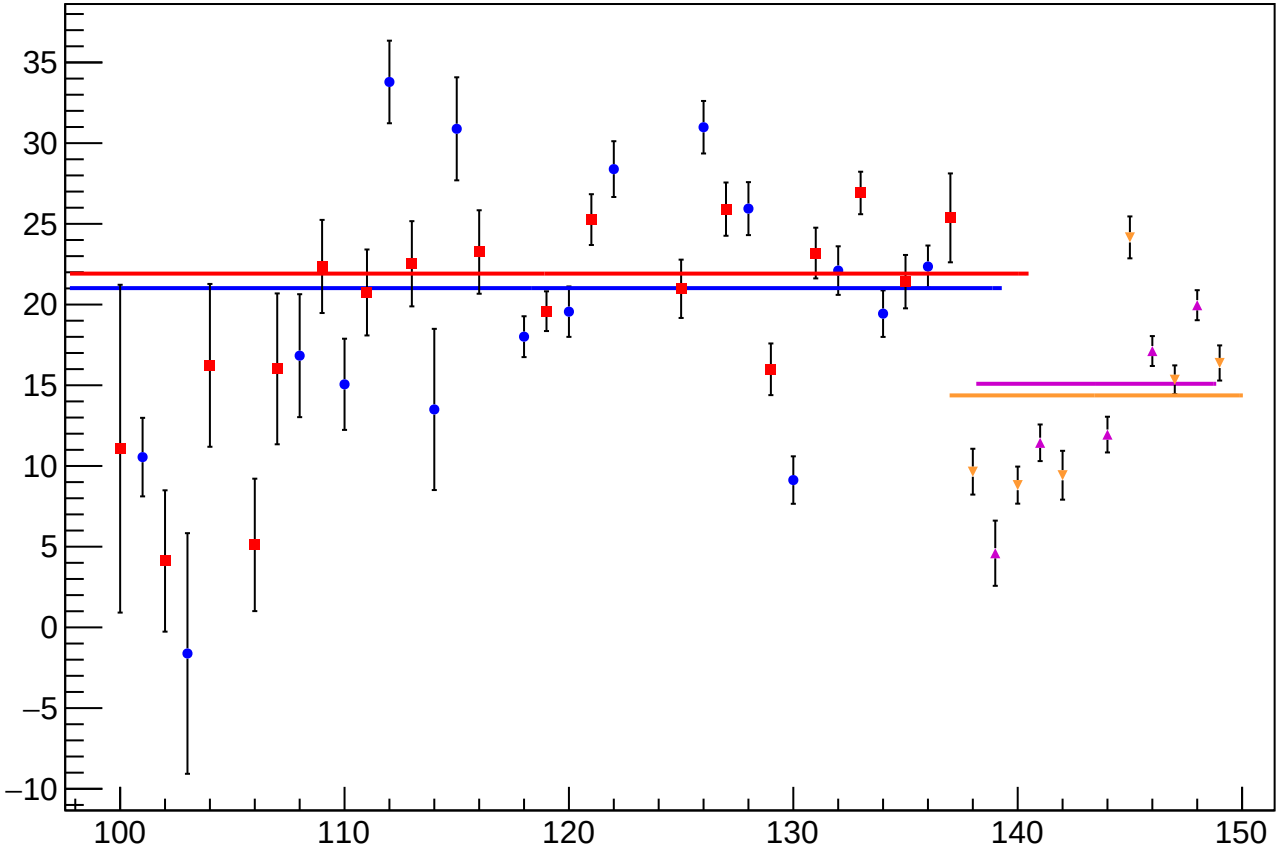
Left In: -28.731+/-0.573 χ^2/NDF:28.6/4

+ sign -24.956+/-0.351 χ^2/NDF: 2256.9/21

All: -26.842+/-0.253 χ^2/NDF: 4298.2/44

- 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: 14.372+/-0.477 χ^2/NDF:106.6/5

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

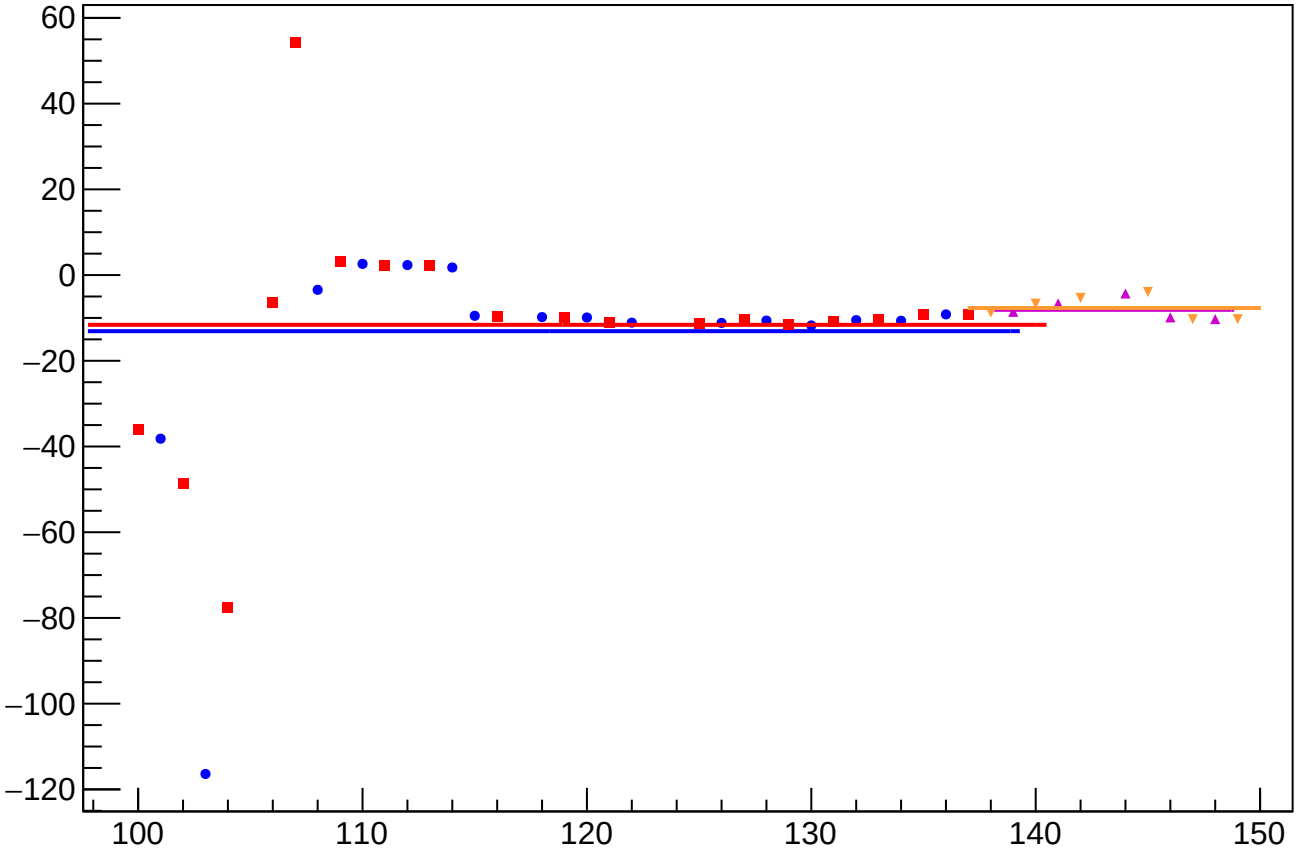
Left In: 15.092+/-0.490 χ^2/NDF:77.7/4

+ sign 17.833+/-0.331 χ^2/NDF: 417.1/21

All: 18.197+/-0.238 χ^2/NDF: 679.1/44

- 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: -7.690+/-0.023 χ^2/NDF:10709.7/5

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

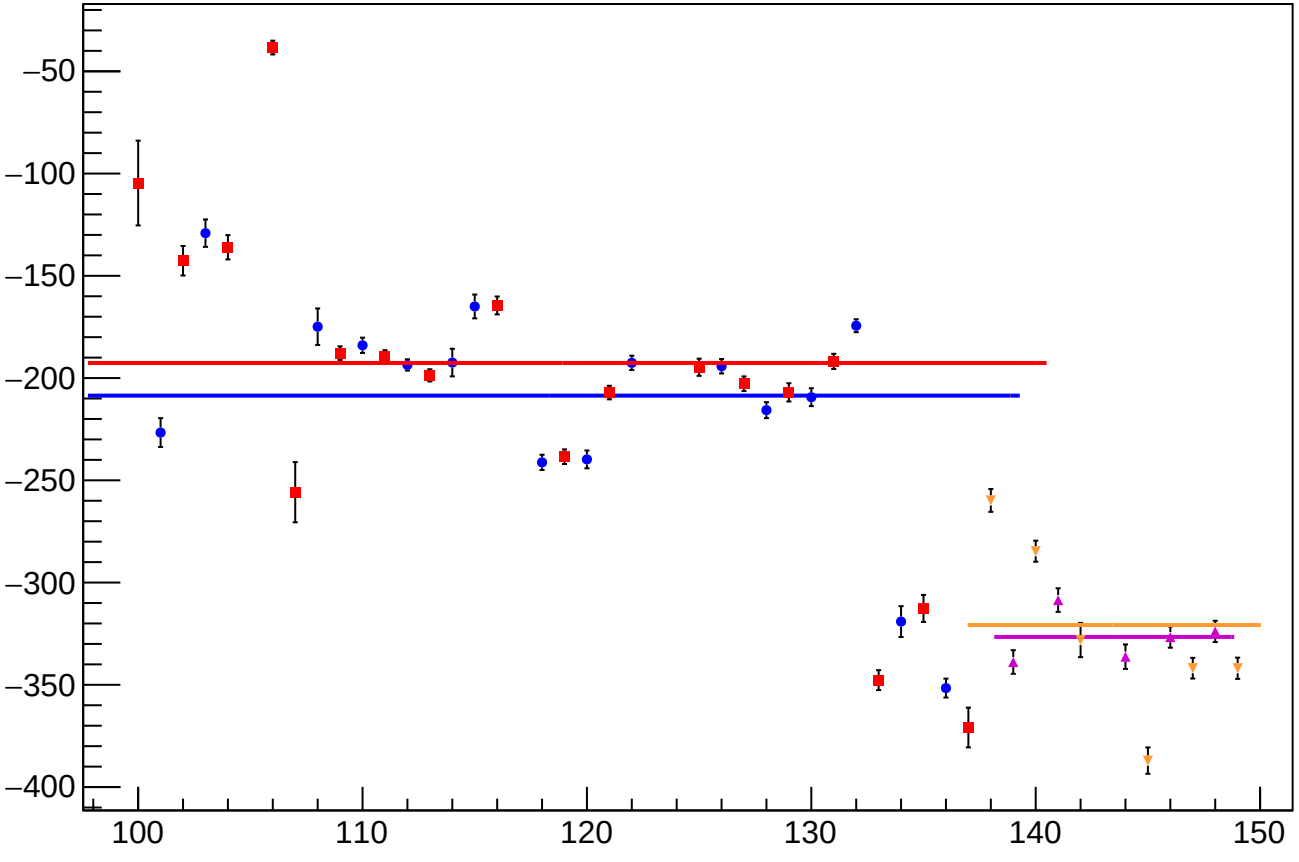
Left In: -8.111+/-0.023 χ^2/NDF:7827.8/4

+ sign -9.827+/-0.018 χ^2/NDF: 377441.8/21

All: -9.607+/-0.013 χ^2/NDF: 707975.7/44

- 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: -320.739+/-2.329 χ^2/NDF:309.1/5

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

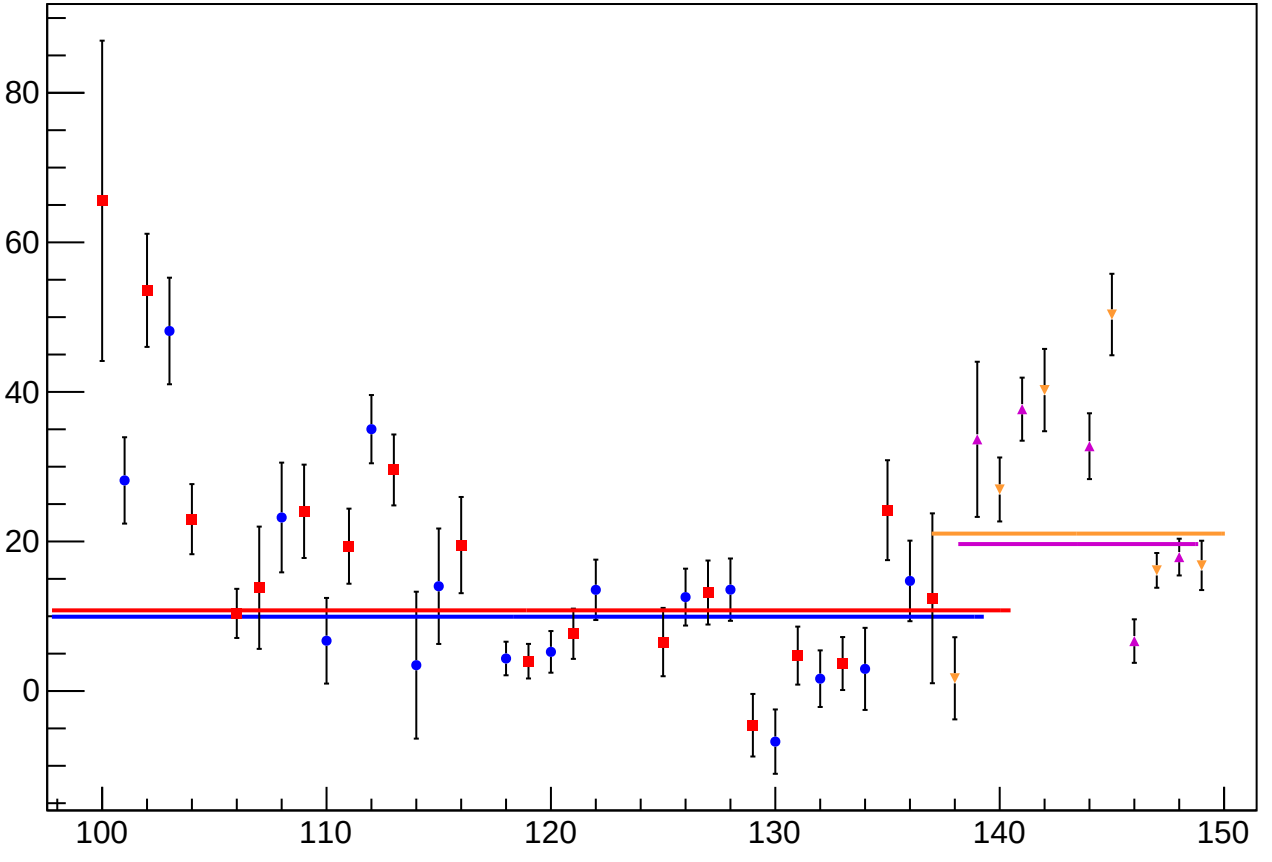
Left In: -326.587+/-2.488 χ^2/NDF:17.1/4

+ sign -228.026+/-0.970 χ^2/NDF: 3977.1/21

All: -219.243+/-0.670 χ^2/NDF: 10855.8/44

- 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: 21.053+/-1.522 χ^2/NDF:61.5/5

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

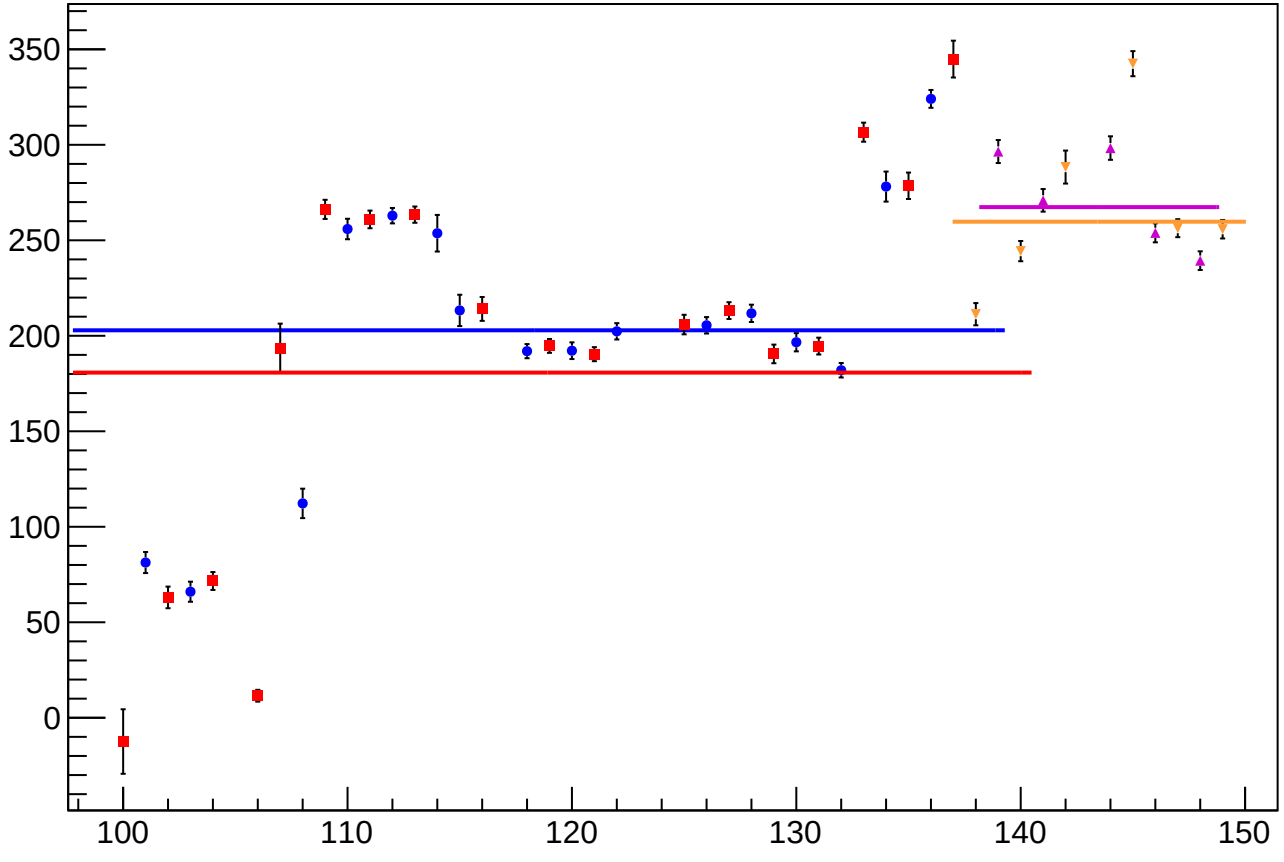
Left In: 19.654+/-1.580 χ^2/NDF:49.3/4

+ sign 13.593+/-0.873 χ^2/NDF: 203.9/21

All: 13.537+/-0.616 χ^2/NDF: 380.2/44

- 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: 259.743+/-2.299 χ^2/NDF:248.2/5

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

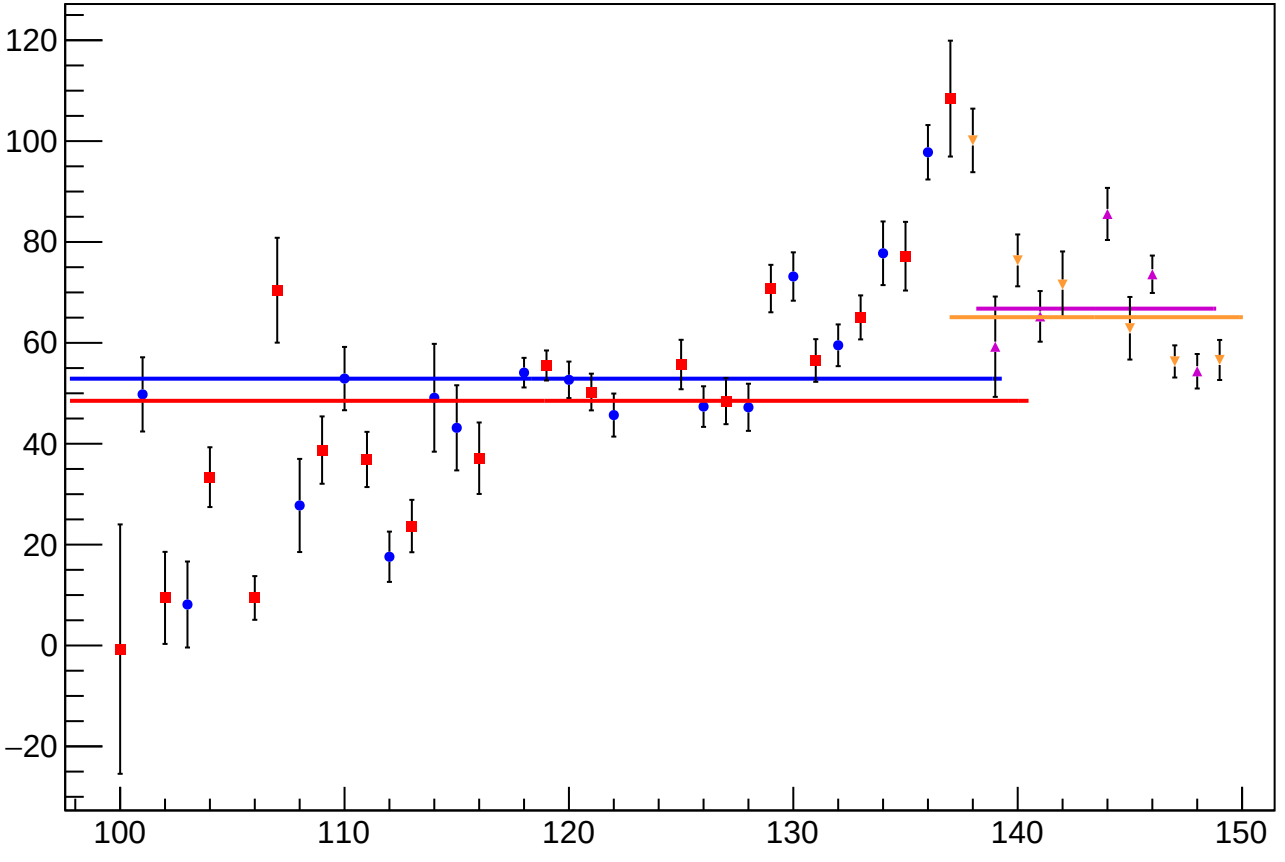
Left In: 267.380+/-2.464 χ^2/NDF:89.2/4

+ sign 215.456+/-1.082 χ^2/NDF: 3188.8/21

All: 205.369+/-0.749 χ^2/NDF: 10810.4/44

- 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: 65.089+/-1.911 χ^2/NDF:48.9/5

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

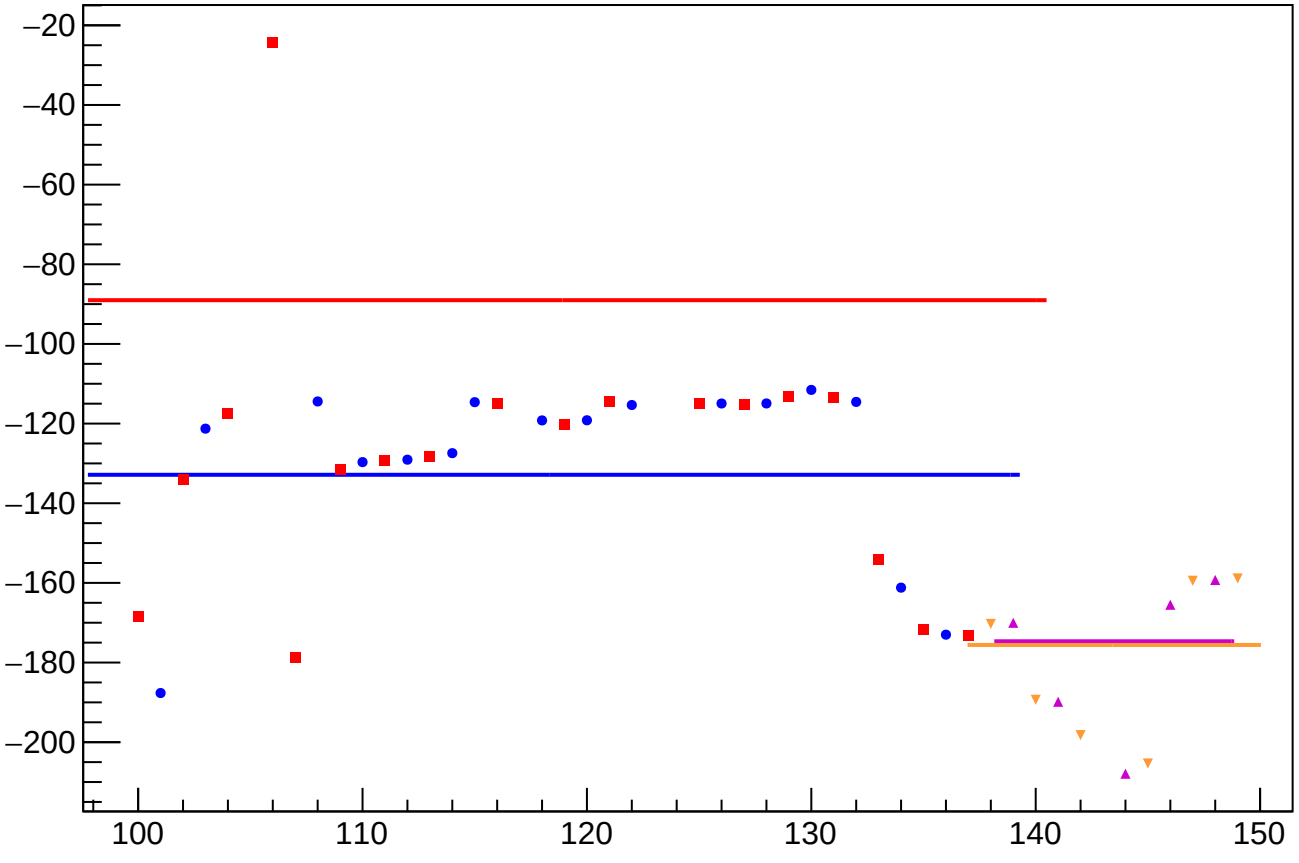
Left In: 66.784+/-2.018 χ^2/NDF:30.4/4

+ sign 56.517+/-1.041 χ^2/NDF: 275.9/21

All: 54.941+/-0.736 χ^2/NDF: 611.1/44

- 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: -175.585+/-0.097 χ^2/NDF:33645.7/5

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

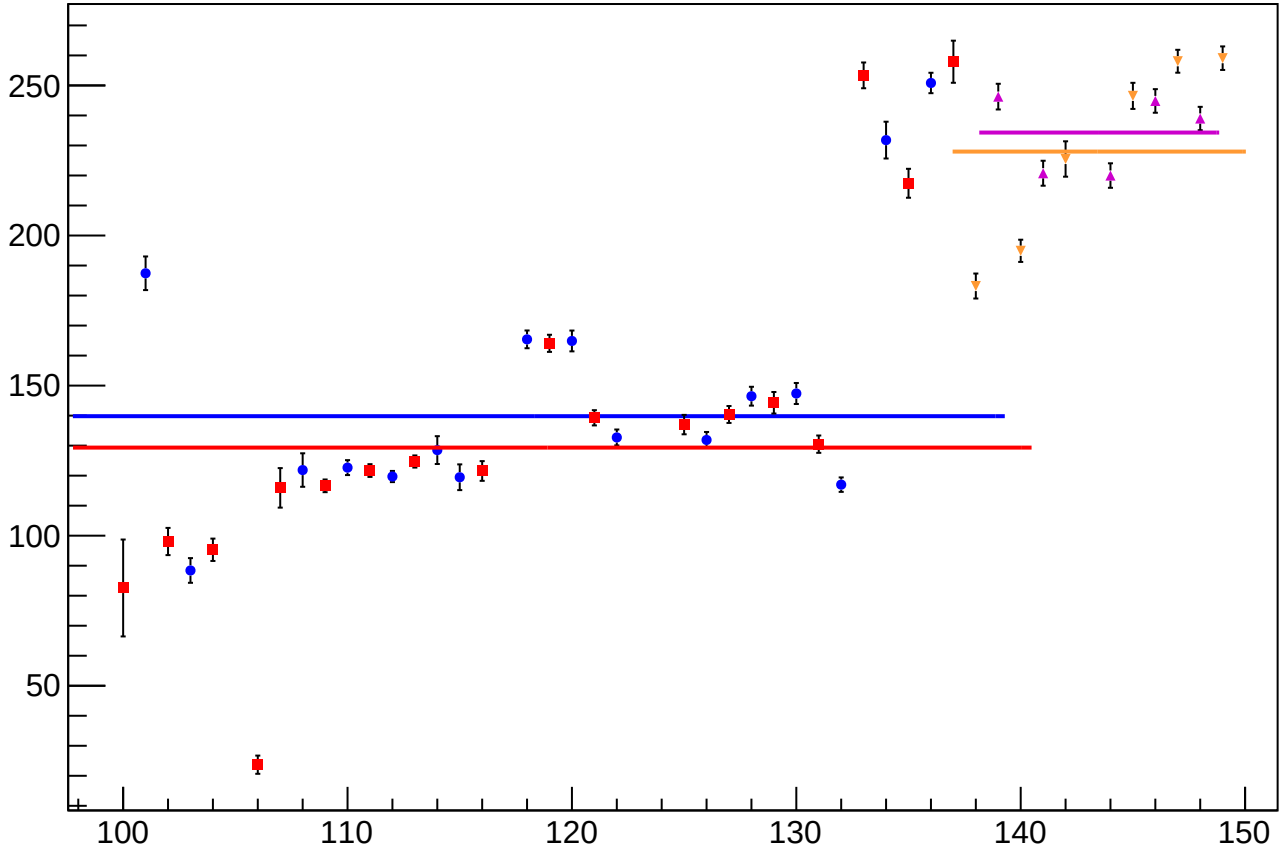
Left In: -174.659+/-0.100 χ^2/NDF:26797.6/4

+ sign -150.436+/-0.062 χ^2/NDF: 240642.1/21

All: -129.535+/-0.041 χ^2/NDF: 1708240.9/44

- 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: 227.968+/-1.700 χ^2/NDF:339.3/5

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

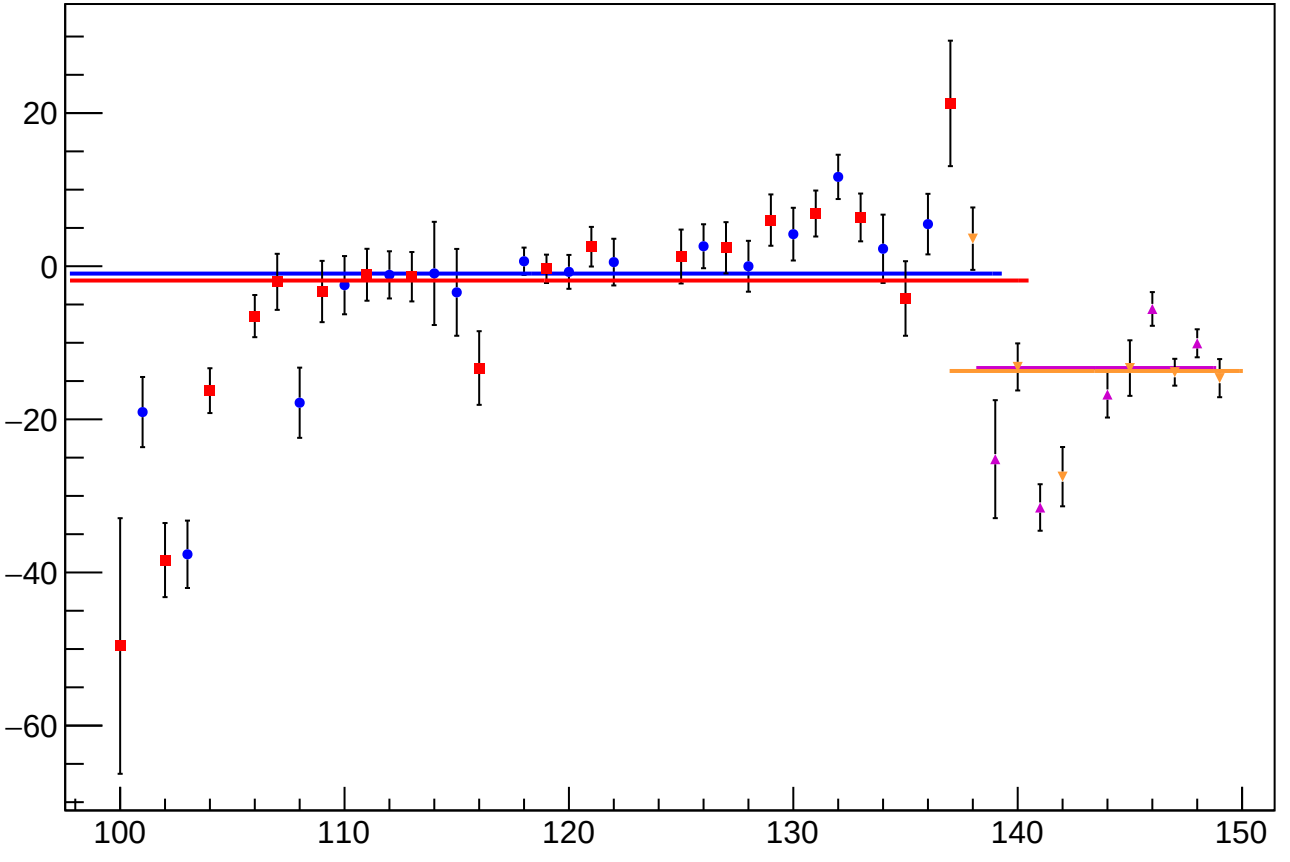
Left In: 234.305+/-1.816 χ^2/NDF:39.4/4

\+ sign 155.295+/-0.712 χ^2/NDF: 4521.9/21

All: 149.442+/-0.492 χ^2/NDF: 10686.3/44

\- 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: -13.682+/-1.121 χ^2/NDF:30.9/5

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

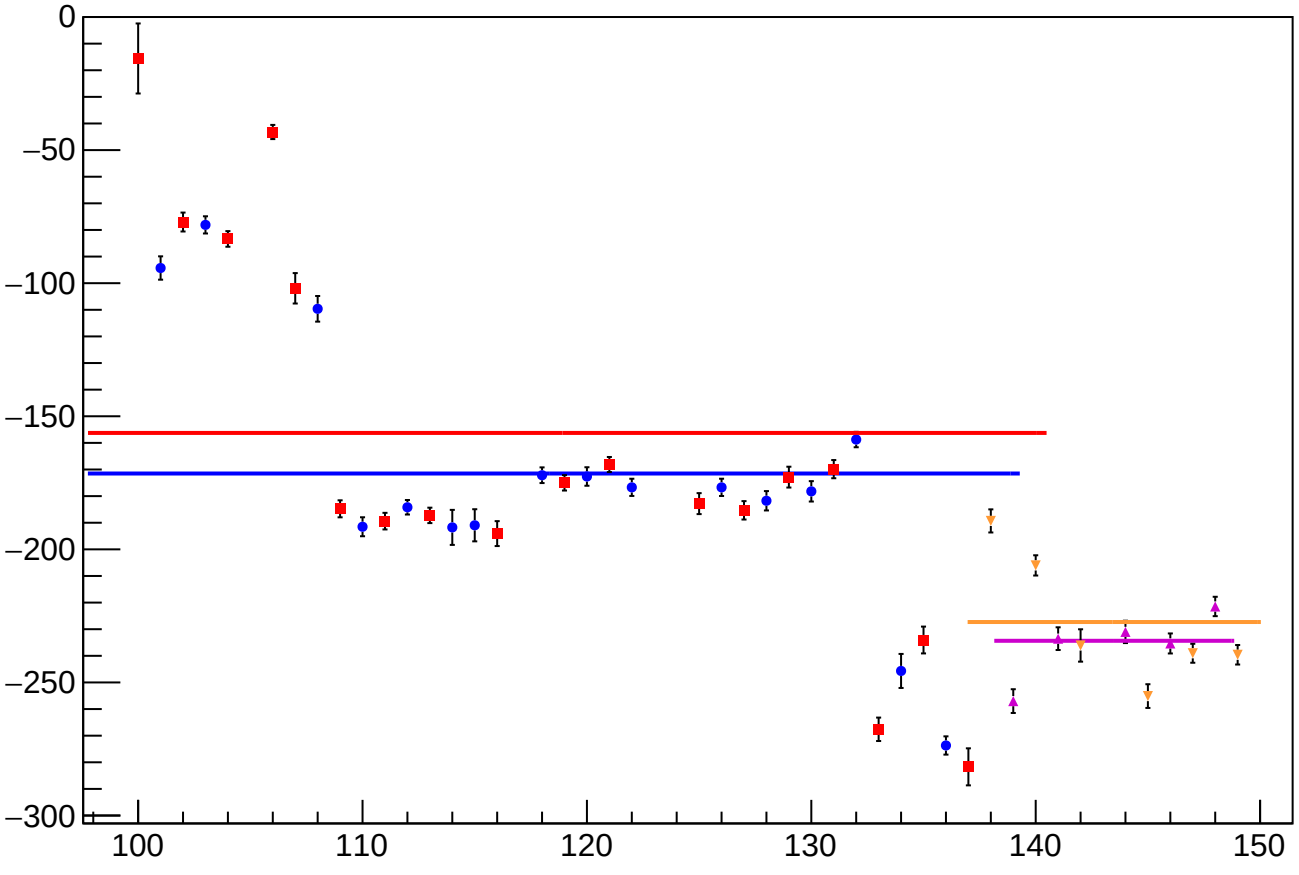
Left In: -13.298+/-1.162 χ^2/NDF:55.1/4

+ sign -5.312+/-0.656 χ^2/NDF: 241.6/21

All: -5.377+/-0.462 χ^2/NDF: 496.4/44

- 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: -227.299+/-1.683 χ^2/NDF:171.1/5

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

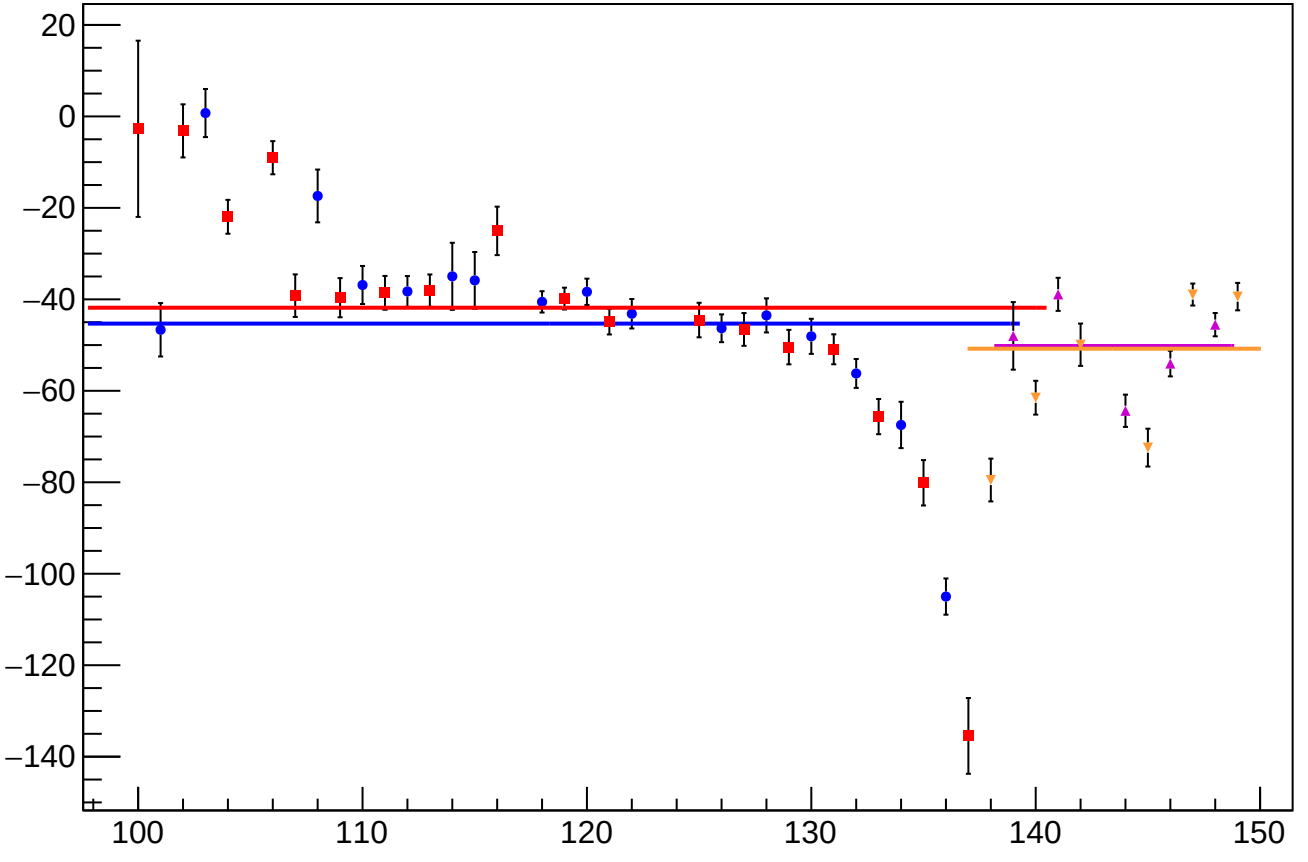
Left In: -234.354+/-1.802 χ^2/NDF:39.1/4

\+ sign -184.059+/-0.798 χ^2/NDF: 3465.6/21

All: -176.957+/-0.553 χ^2/NDF: 10099.8/44

\- 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: -50.795+/-1.403 χ^2/NDF:112.0/5

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

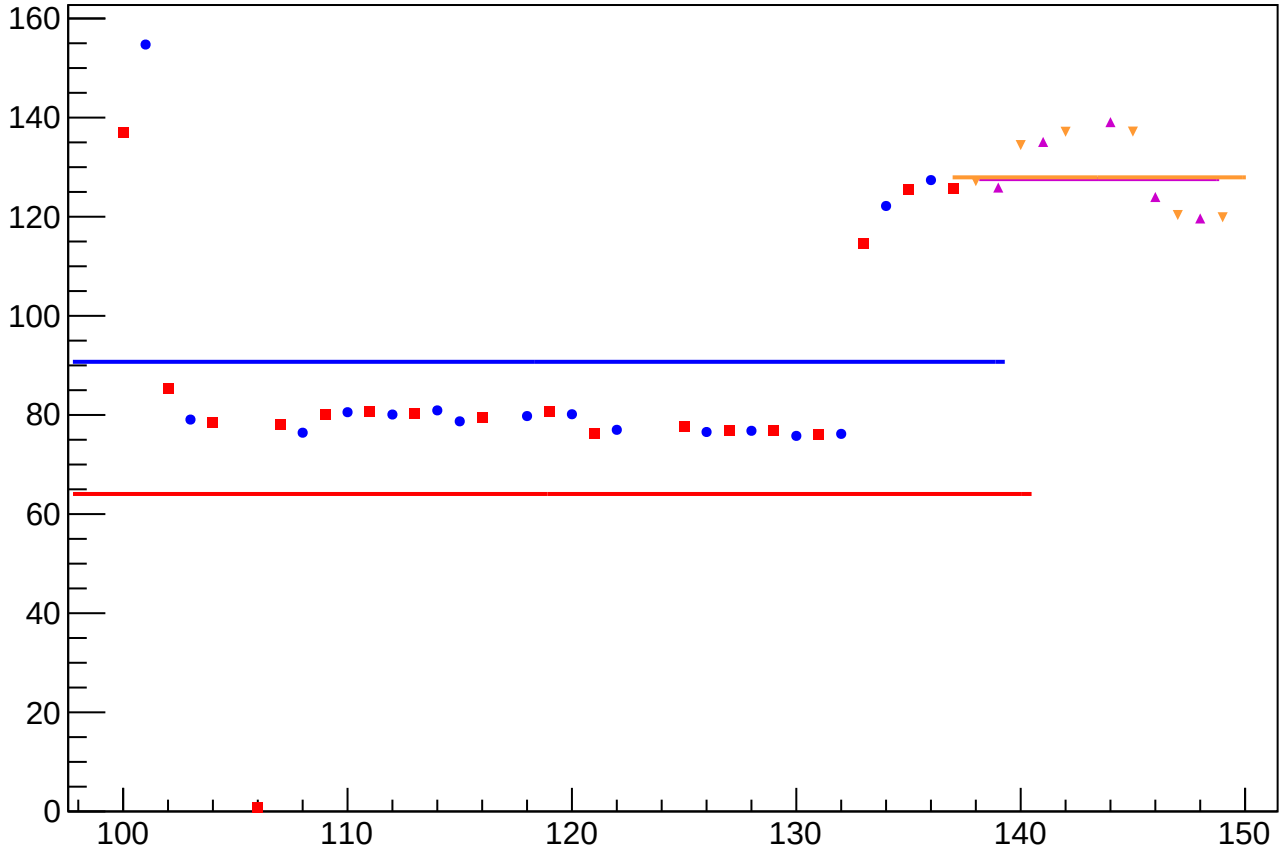
Left In: -50.207+/-1.480 χ^2/NDF:31.2/4

+ sign -46.999+/-0.780 χ^2/NDF: 504.6/21

All: -45.554+/-0.550 χ^2/NDF: 980.1/44

- 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: 127.946+/-0.071 χ^2/NDF:10621.6/5

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

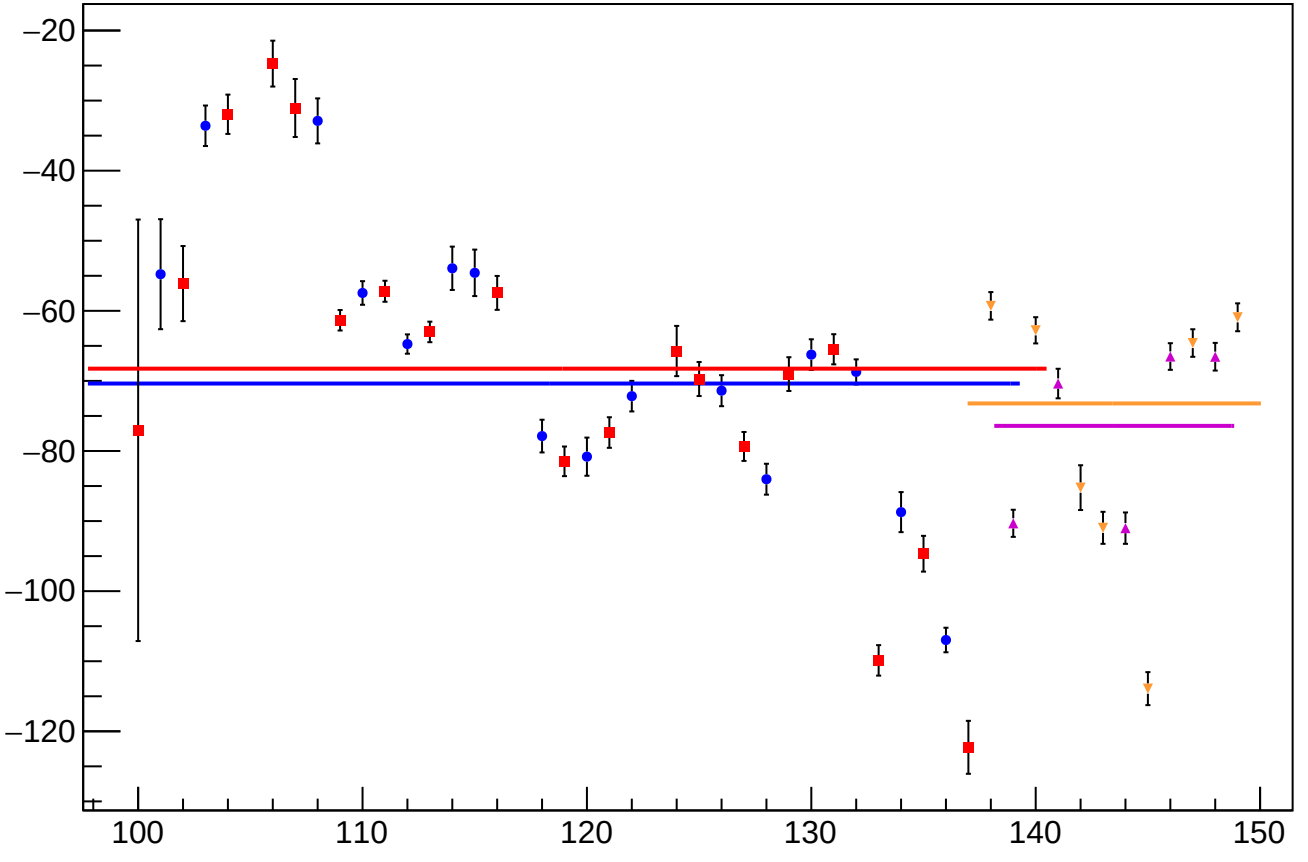
Left In: 127.590+/-0.074 χ^2/NDF:9092.9/4

+ sign 105.735+/-0.045 χ^2/NDF: 335112.3/21

All: 93.660+/-0.030 χ^2/NDF: 1649724.7/44

- 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: -73.214+/-0.810 χ^2/NDF:511.6/6

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

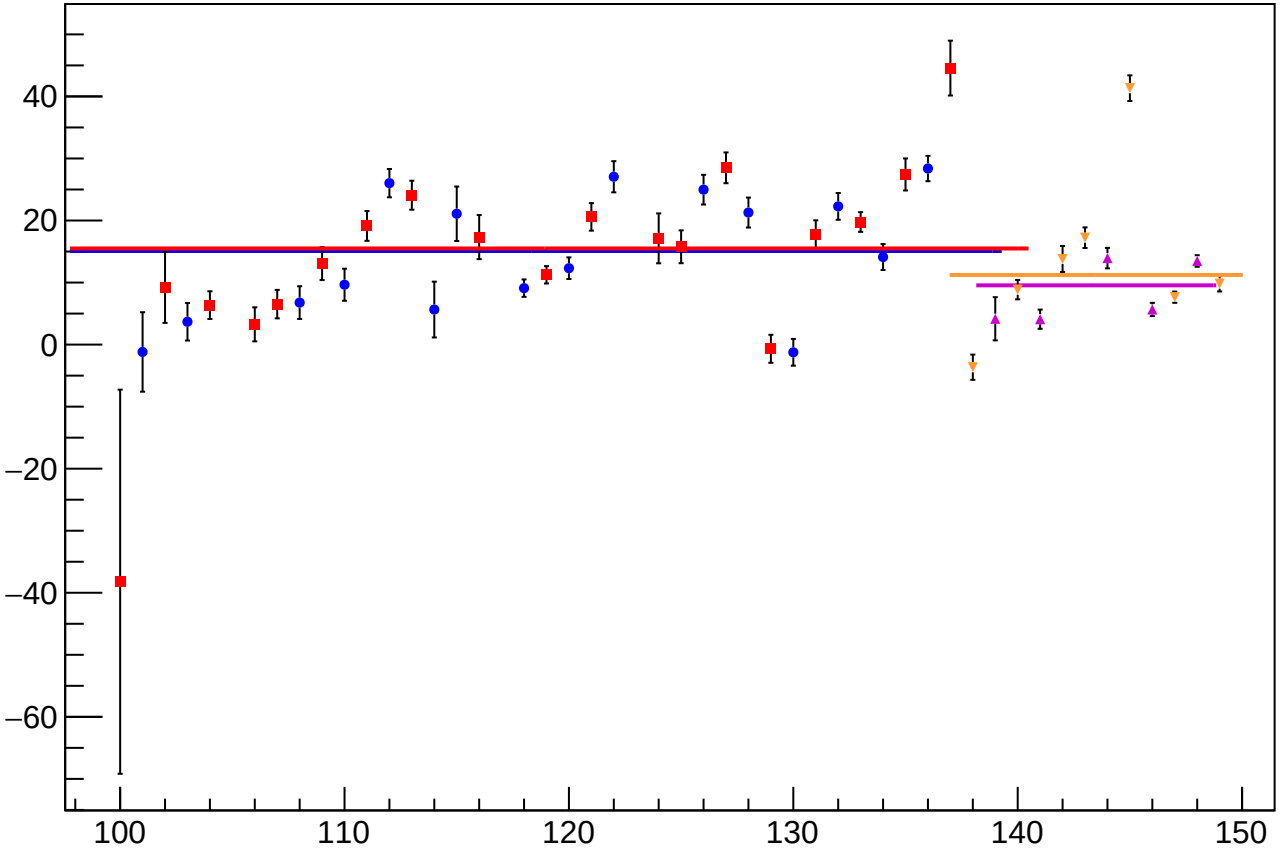
Left In: -76.416+/-0.904 χ^2/NDF:154.4/4

\+ sign -71.288+/-0.459 χ^2/NDF: 1494.8/22

All: -70.801+/-0.323 χ^2/NDF: 3018.4/46

\- sign -70.322+/-0.455 χ^2/NDF: 1521.3/23

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 11.226+/-0.549 χ^2/NDF:299.0/6

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

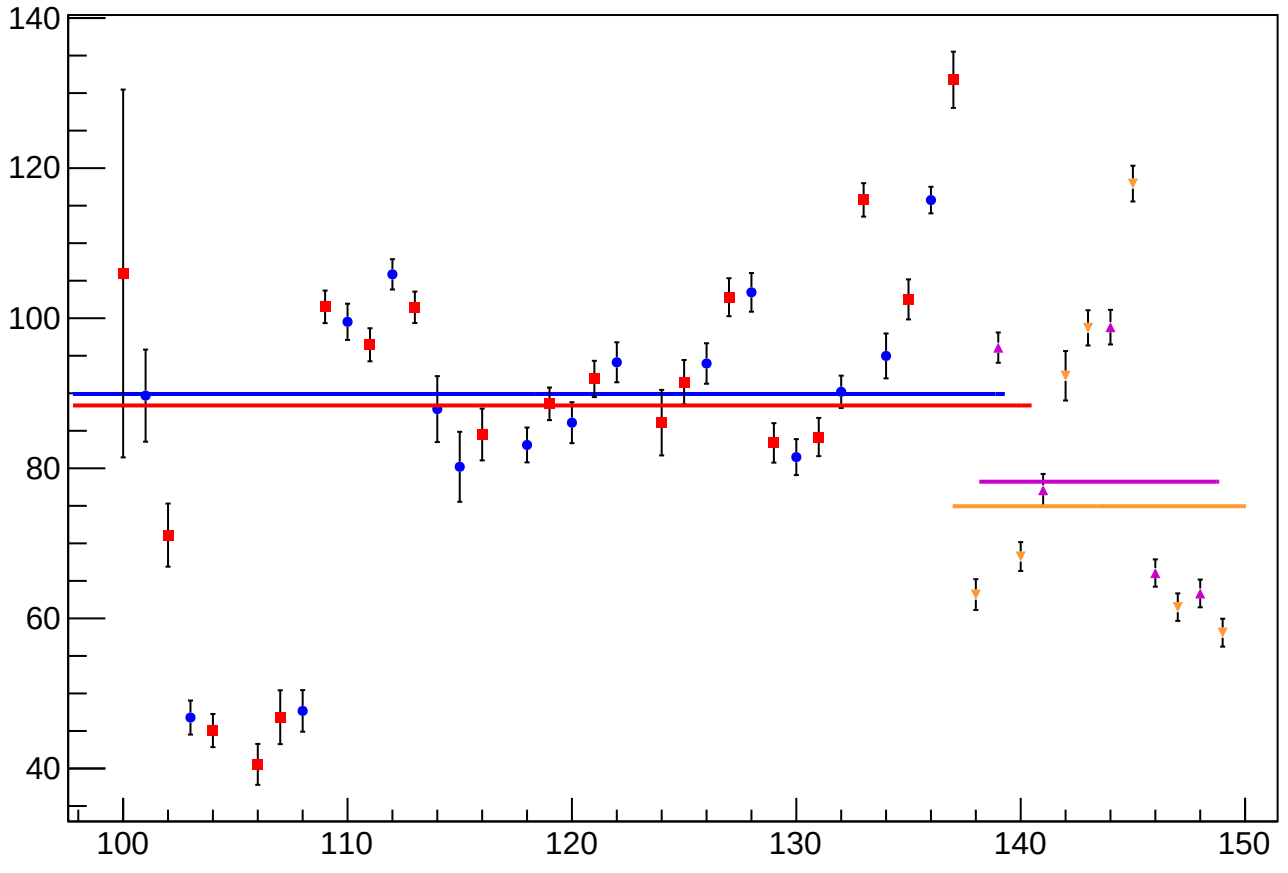
Left In: 9.551+/-0.588 χ^2/NDF:52.8/4

+ sign 13.051+/-0.399 χ^2/NDF: 564.8/22

All: 12.866+/-0.284 χ^2/NDF: 911.0/46

- 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: 74.949+/-0.805 χ^2/NDF:636.5/6

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

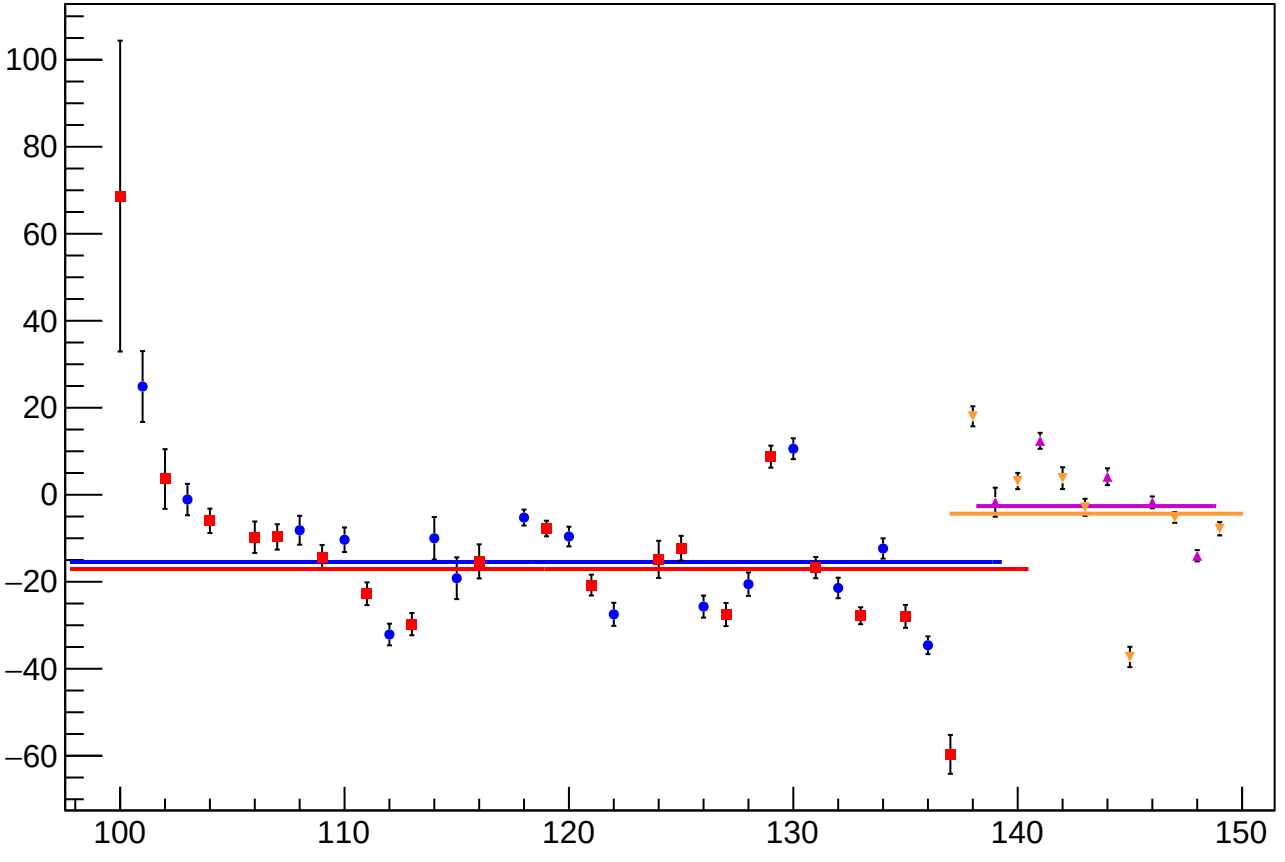
Left In: 78.218+/-0.897 χ^2/NDF:268.1/4

+ sign 84.105+/-0.501 χ^2/NDF: 1795.6/22

All: 84.601+/-0.357 χ^2/NDF: 3441.6/46

- 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: -4.354+/-0.681 χ^2/NDF:325.4/6

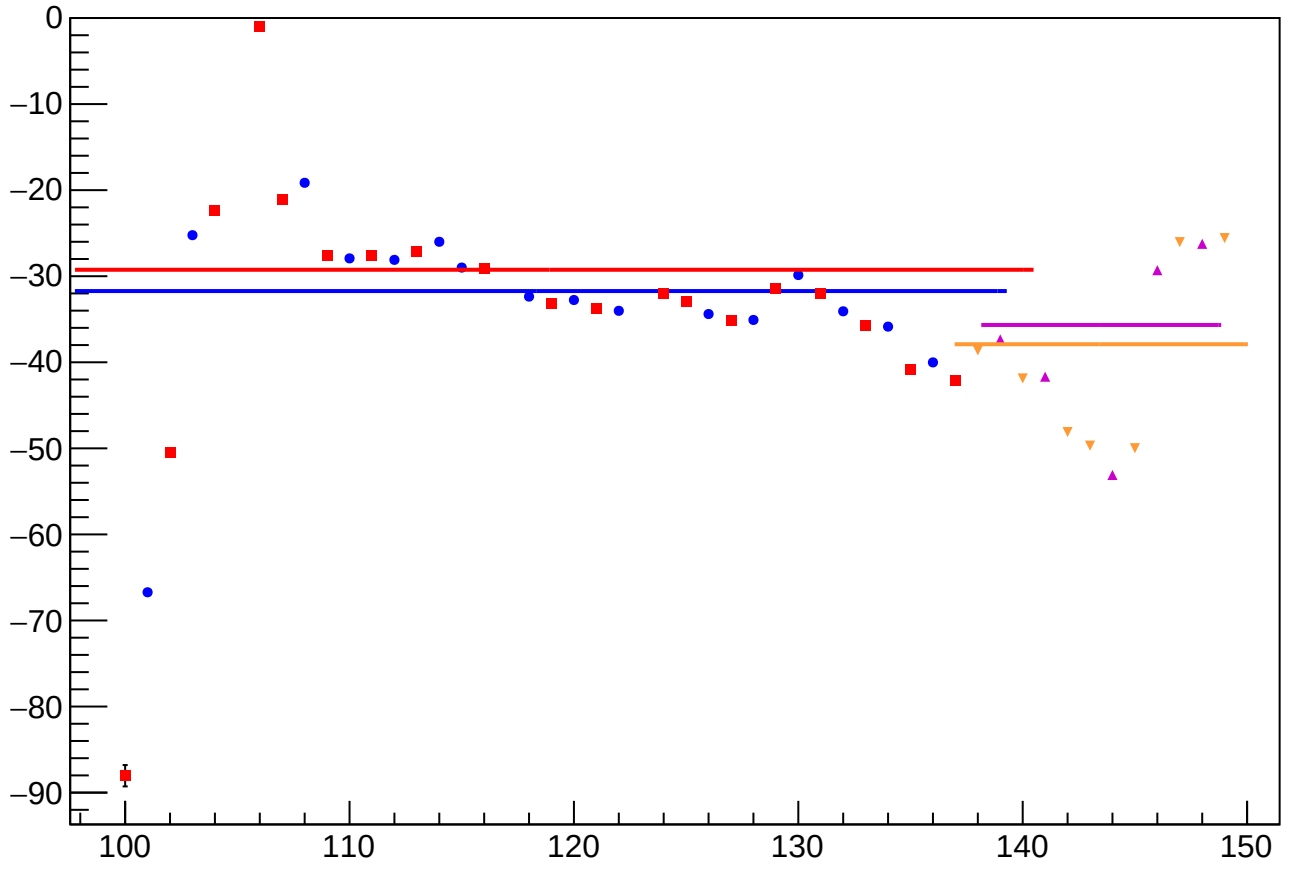
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -2.598+/-0.748 χ^2/NDF:156.7/4

+ sign -10.034+/-0.476 χ^2/NDF: 847.8/22

All: -10.462+/-0.341 χ^2/NDF: 1582.1/46

- 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: -37.903+/-0.034 χ^2/NDF:85213.4/6

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

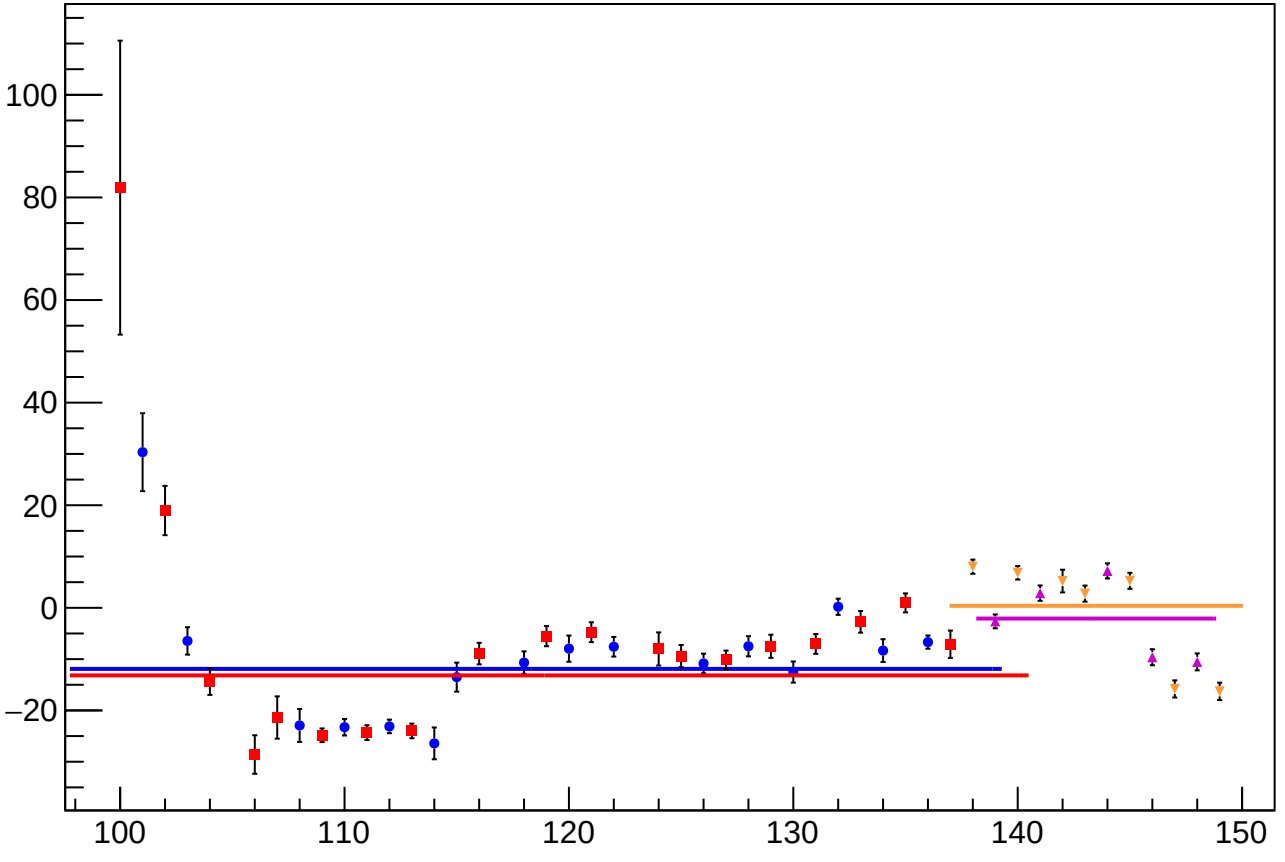
Left In: -35.665+/-0.036 χ^2/NDF:56196.1/4

+ sign -35.217+/-0.025 χ^2/NDF: 139393.8/22

All: -33.977+/-0.018 χ^2/NDF: 310499.8/46

- 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: 0.394+/-0.595 χ^2/NDF:262.4/6

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

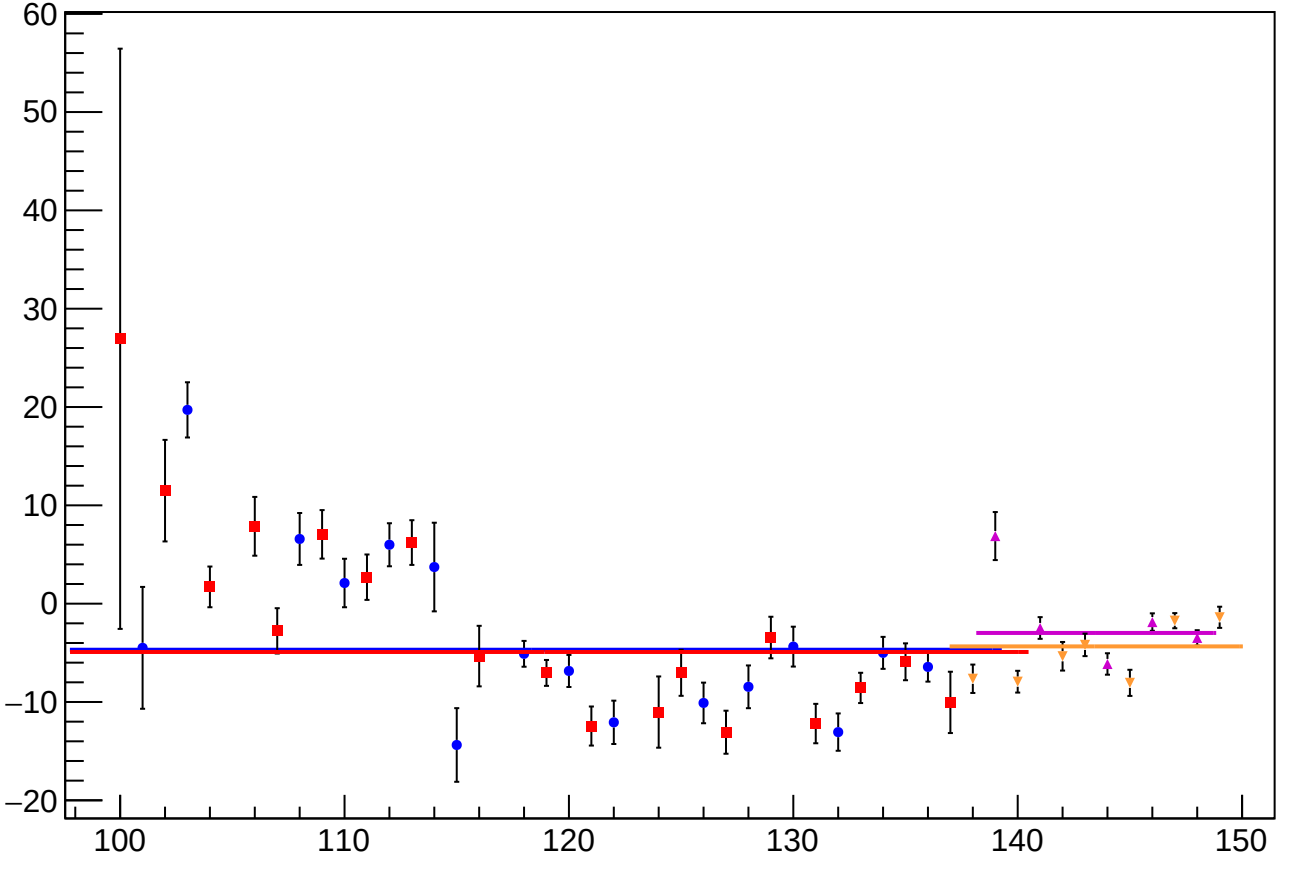
Left In: -2.093+/-0.670 χ^2/NDF:100.0/4

\+ sign -6.851+/-0.381 χ^2/NDF: 796.5/22

All: -8.102+/-0.273 χ^2/NDF: 1520.5/46

\- 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: -4.347+/-0.421 χ^2/NDF:43.1/6

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

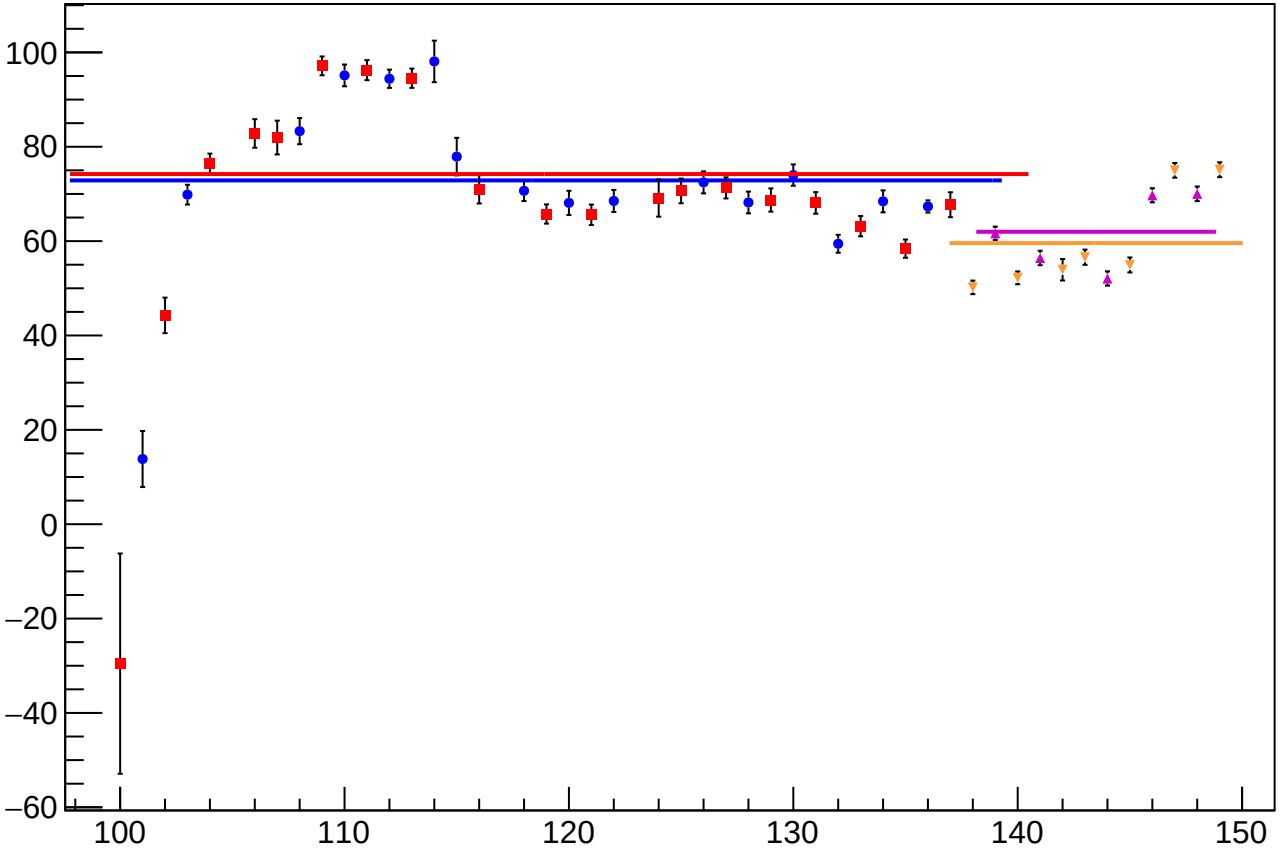
Left In: -2.978+/-0.459 χ^2/NDF:26.8/4

+ sign -4.482+/-0.326 χ^2/NDF: 222.4/22

All: -4.176+/-0.236 χ^2/NDF: 414.8/46

- 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: 59.587+/-0.597 χ^2/NDF:284.6/6

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

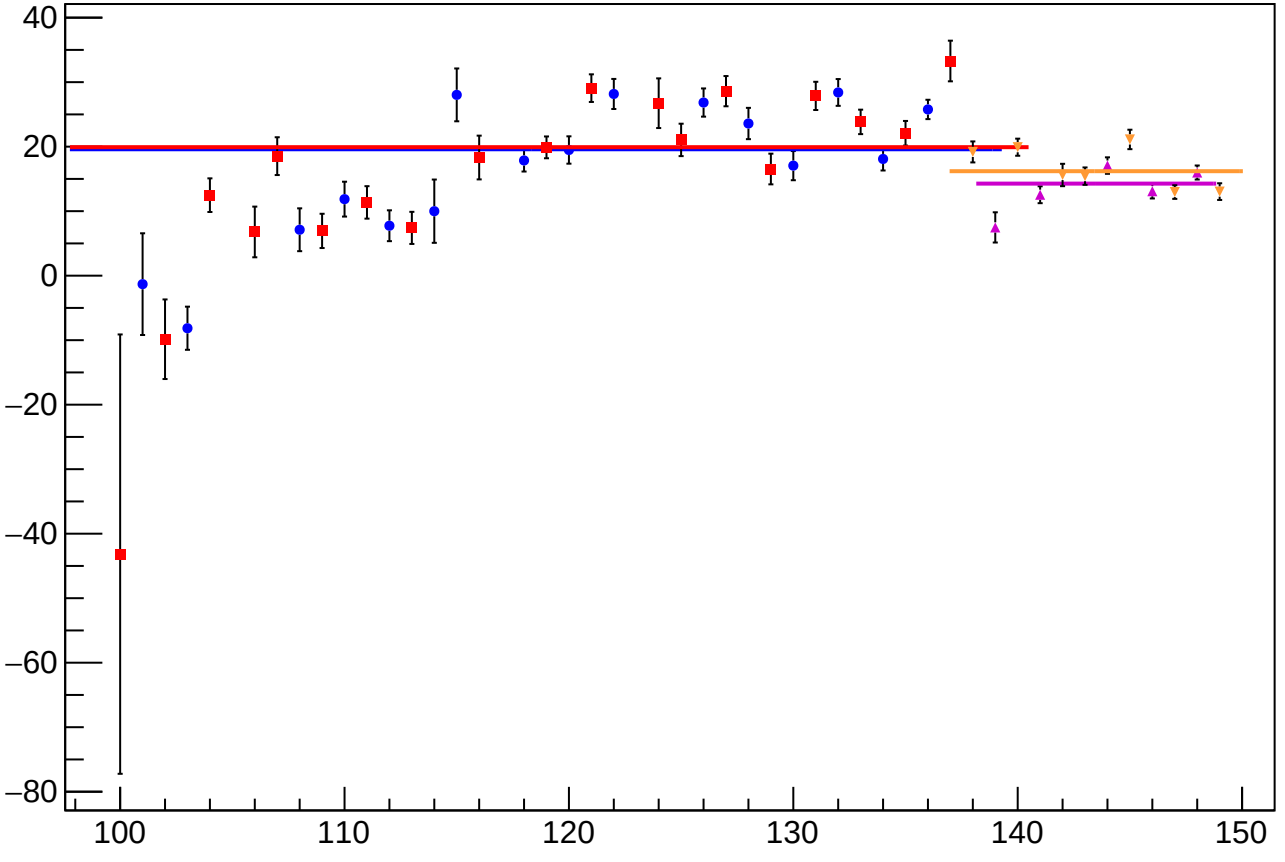
Left In: 61.983+/-0.671 χ^2/NDF:109.3/4

\+ sign 66.587+/-0.410 χ^2/NDF: 996.2/22

All: 67.815+/-0.297 χ^2/NDF: 1905.8/46

\- 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: 16.197+/-0.515 χ^2/NDF:37.7/6

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

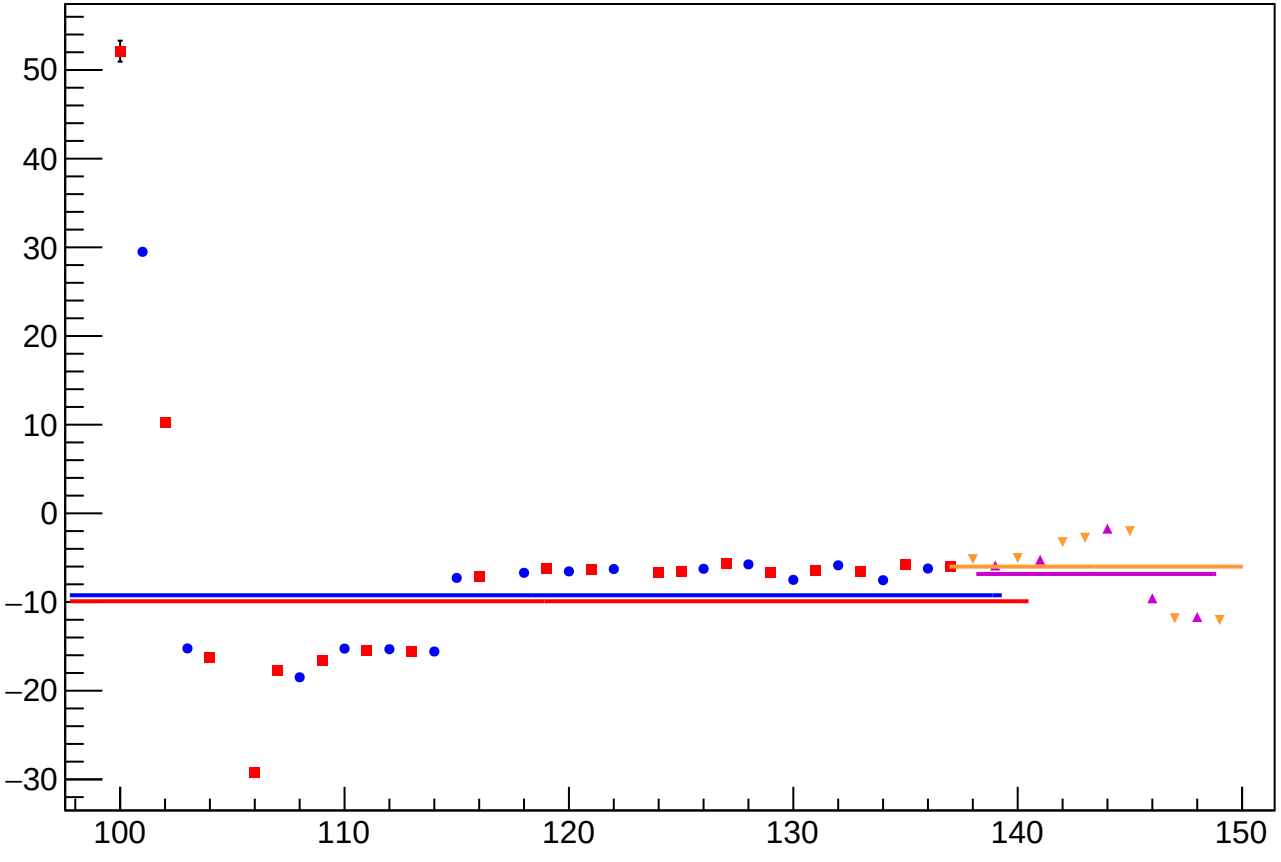
Left In: 14.272+/-0.576 χ^2/NDF:18.5/4

\+ sign 17.682+/-0.387 χ^2/NDF: 252.7/22

All: 17.385+/-0.282 χ^2/NDF: 501.1/46

\- 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: -6.009+/-0.025 χ^2/NDF:23063.5/6

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

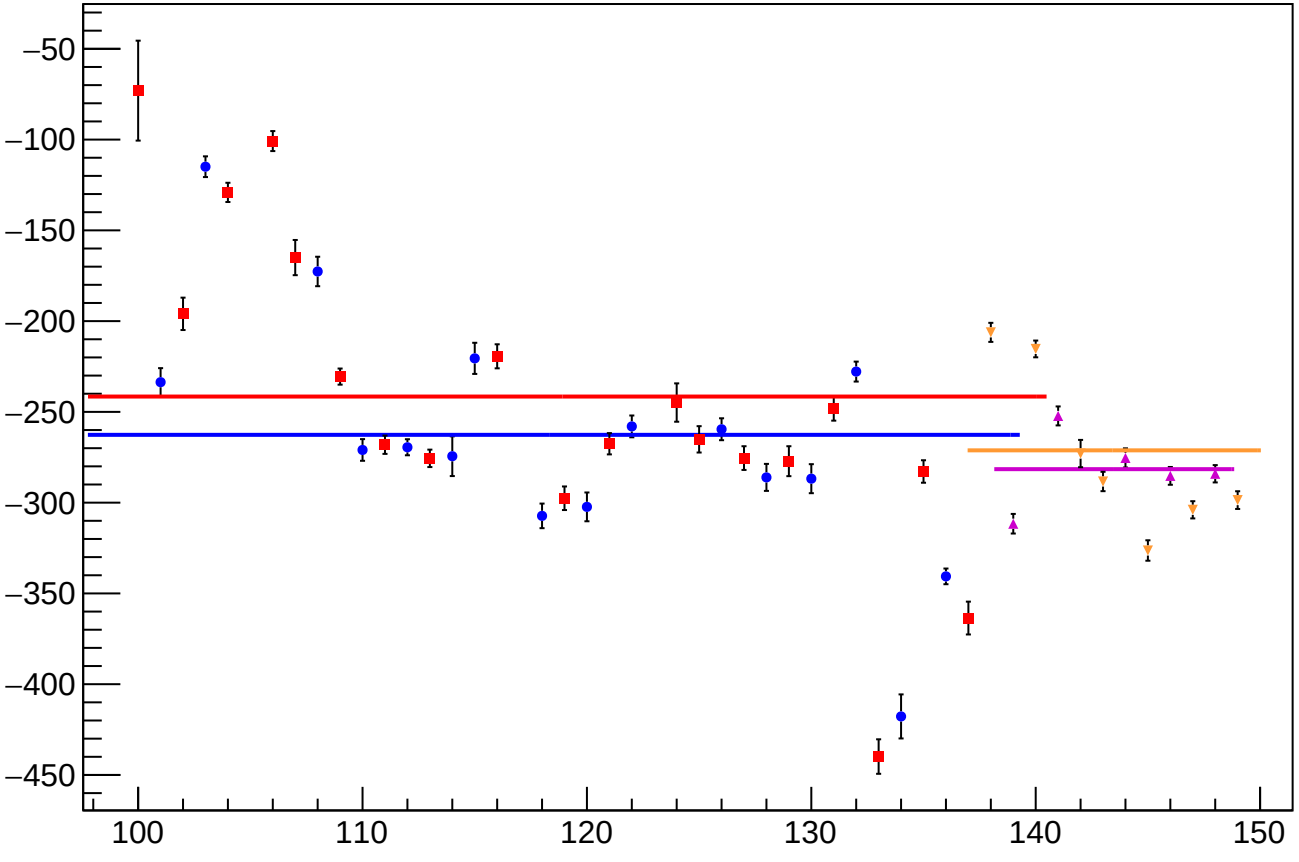
Left In: -6.835+/-0.027 χ^2/NDF:14513.8/4

+ sign -7.186+/-0.020 χ^2/NDF: 60351.9/22

All: -7.570+/-0.015 χ^2/NDF: 134468.2/46

- 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: -271.186+/-1.983 χ^2/NDF:485.8/6

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

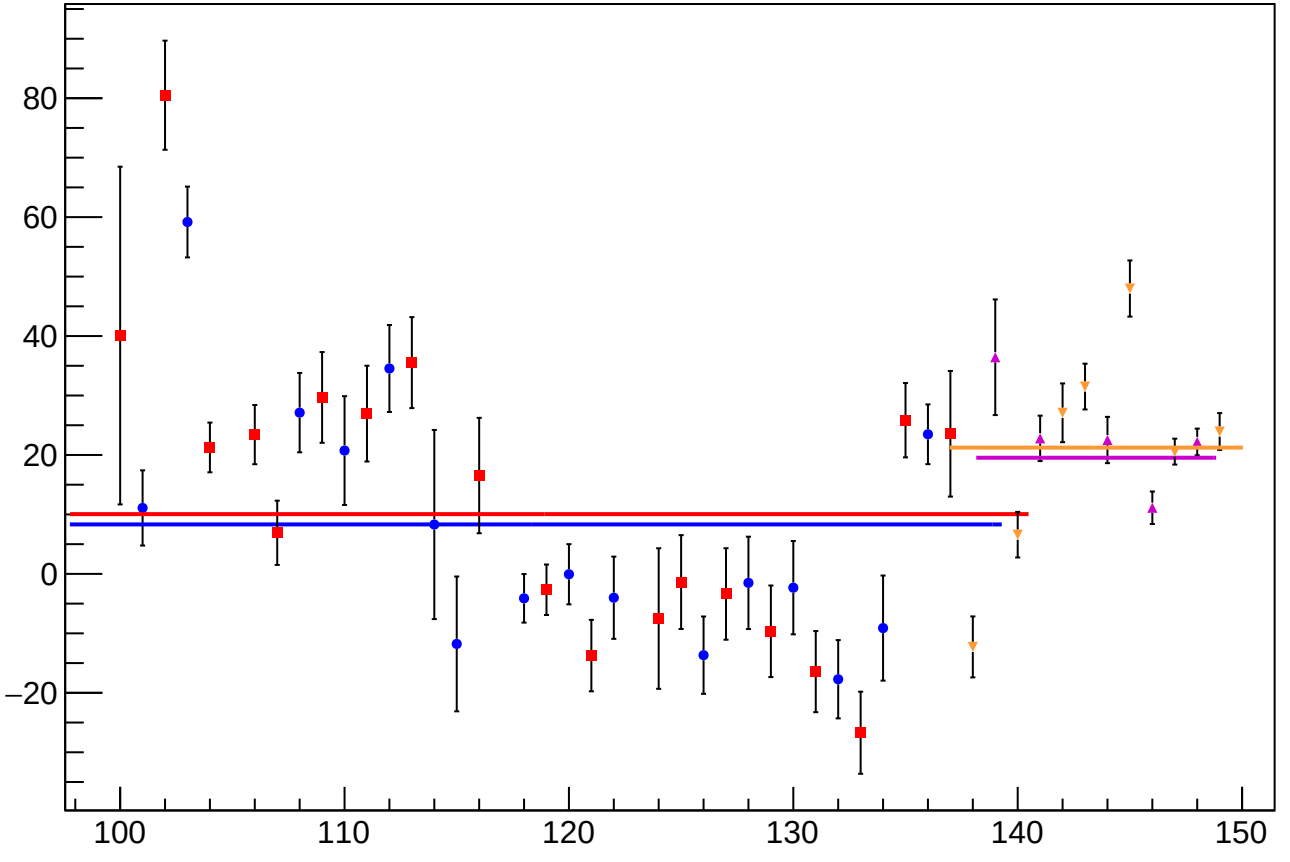
Left In: -281.547+/-2.280 χ^2/NDF:64.7/4

+ sign -266.046+/-1.252 χ^2/NDF: 1951.2/22

All: -259.898+/-0.887 χ^2/NDF: 4417.2/46

- 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: 21.238+/-1.320 χ^2/NDF:98.8/6

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

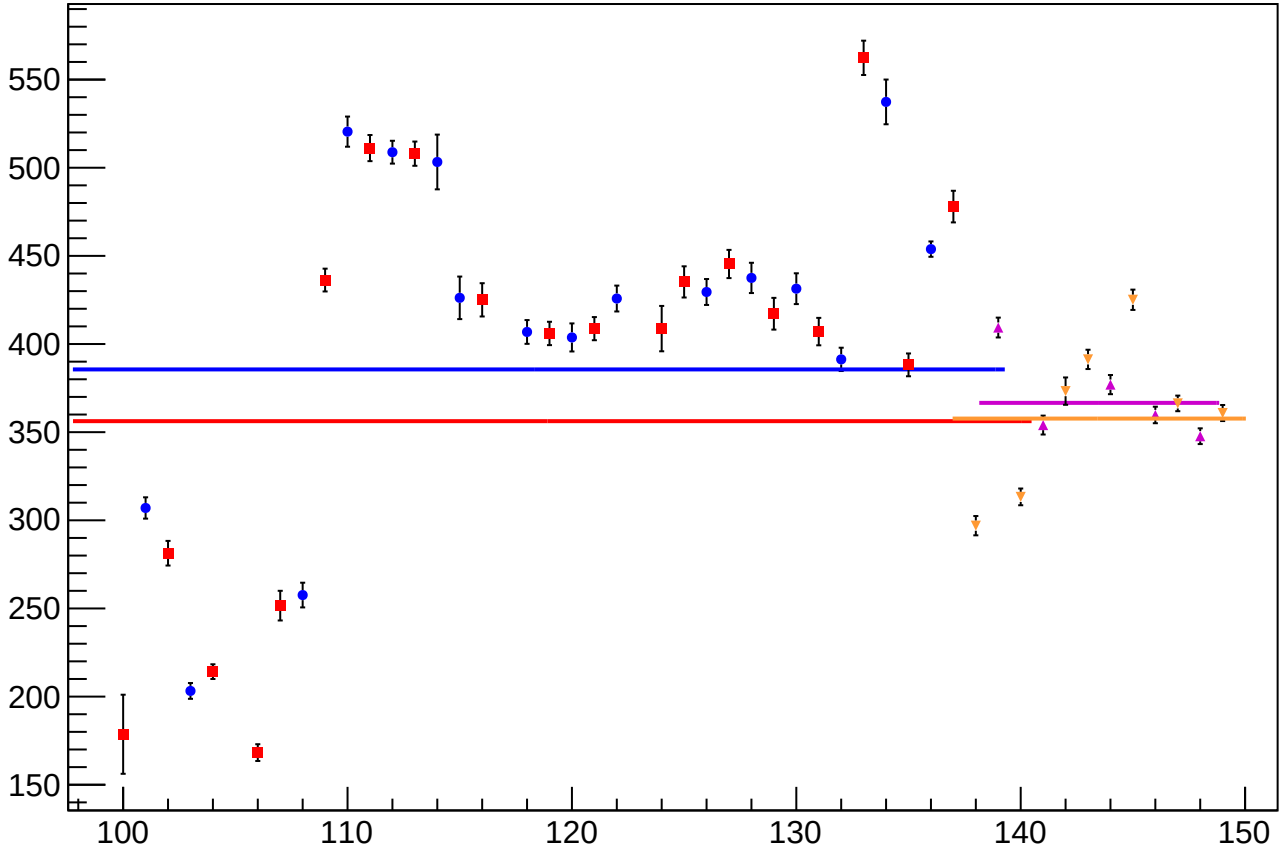
Left In: 19.535+/-1.447 χ^2/NDF:15.2/4

+ sign 16.177+/-1.029 χ^2/NDF: 294.0/22

All: 15.643+/-0.736 χ^2/NDF: 517.3/46

- 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: 357.712+/-1.972 χ^2/NDF:393.7/6

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

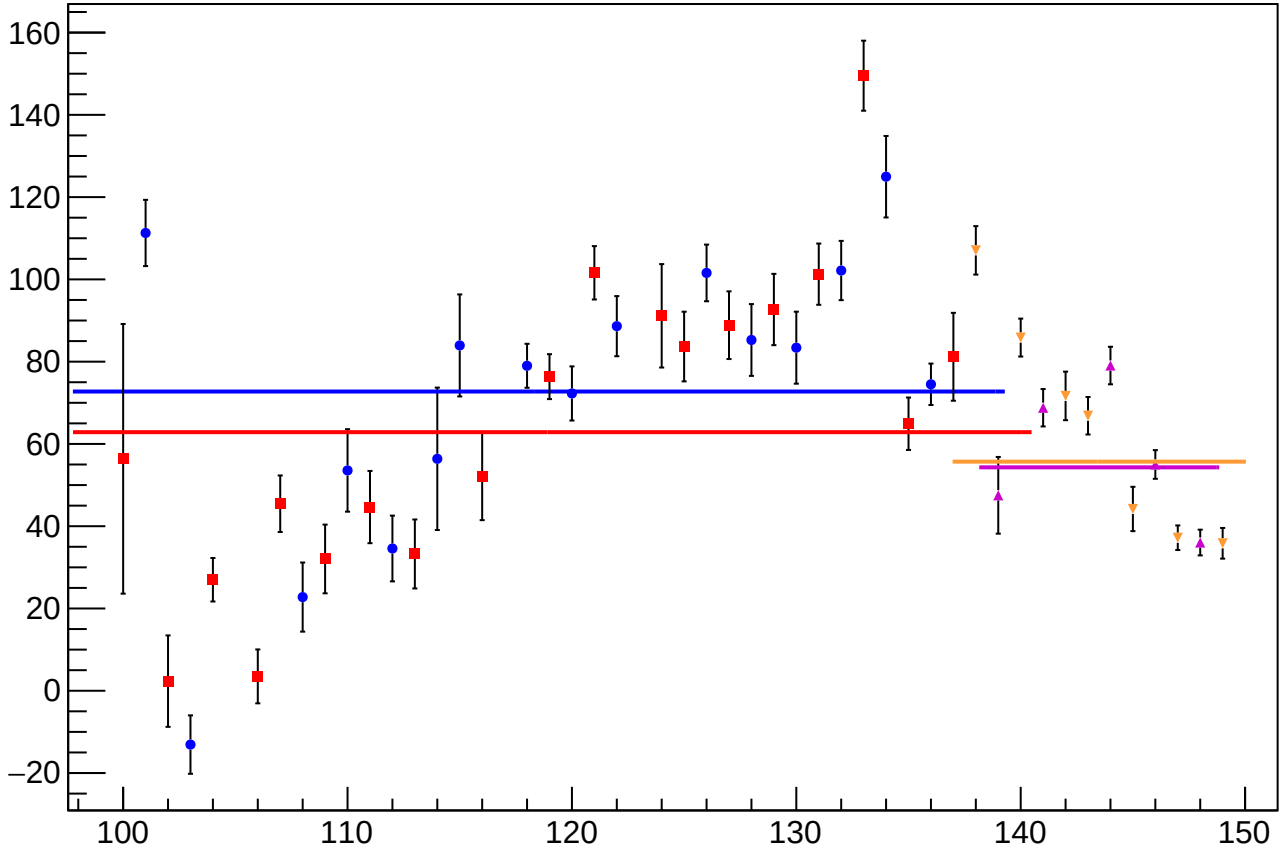
Left In: 366.619+/-2.259 χ^2/NDF:86.9/4

\+ sign 373.367+/-1.306 χ^2/NDF: 3879.0/22

All: 366.734+/-0.932 χ^2/NDF: 9302.6/46

\- 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: 55.696+/-1.642 χ^2/NDF:203.3/6

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

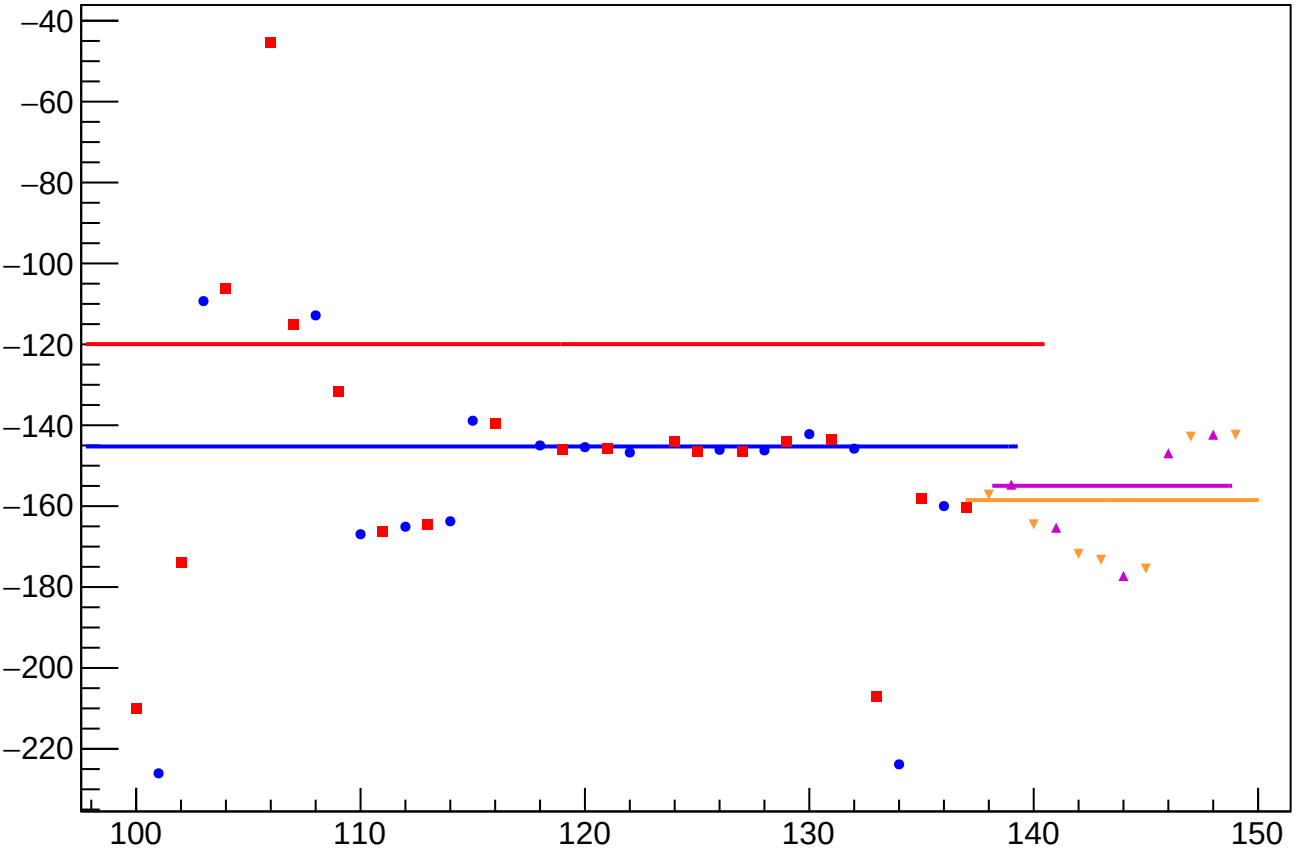
Left In: 54.309+/-1.849 χ^2/NDF:74.3/4

+ sign 62.997+/-1.242 χ^2/NDF: 553.7/22

All: 60.933+/-0.894 χ^2/NDF: 1048.4/46

- 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: -158.508+/-0.083 χ^2/NDF:25723.8/6

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

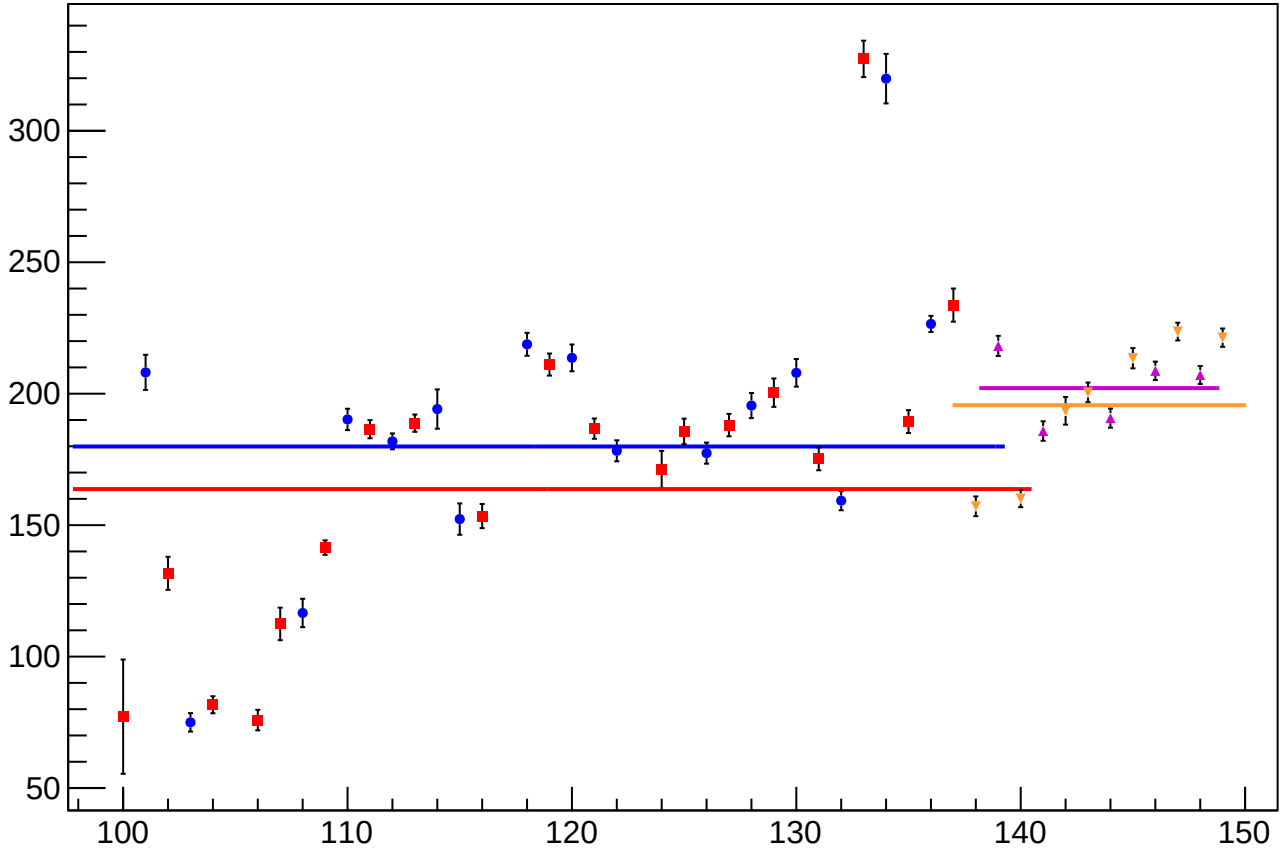
Left In: -154.963+/-0.092 χ^2/NDF:17113.1/4

+ sign -152.969+/-0.064 χ^2/NDF: 168371.5/22

All: -144.958+/-0.045 χ^2/NDF: 562522.8/46

- 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: 195.632+/-1.401 χ^2/NDF:368.9/6

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

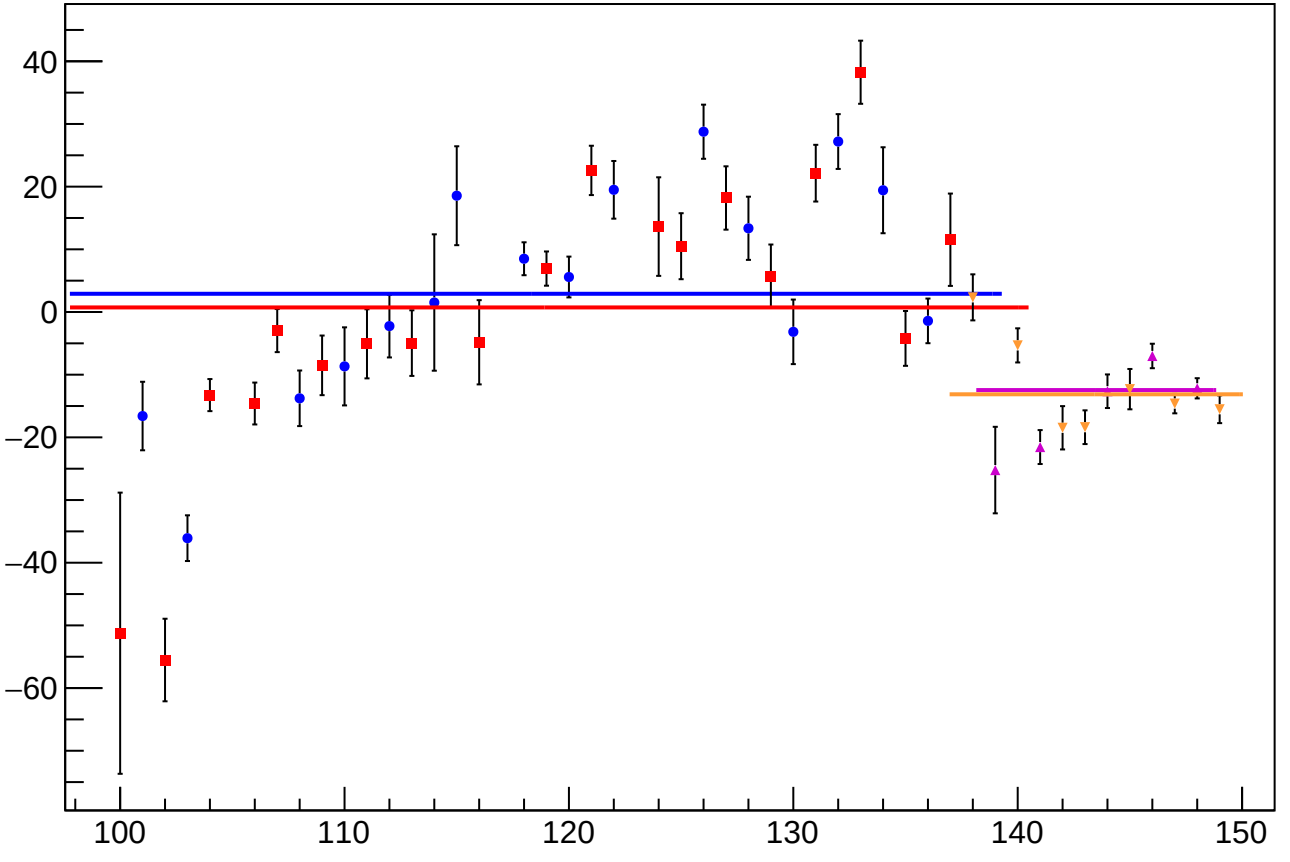
Left In: 202.128+/-1.614 χ^2/NDF:52.5/4

+ sign 185.835+/-0.860 χ^2/NDF: 2180.0/22

All: 180.048+/-0.605 χ^2/NDF: 5148.0/46

- 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: -13.129+/-0.934 χ^2/NDF:34.3/6

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

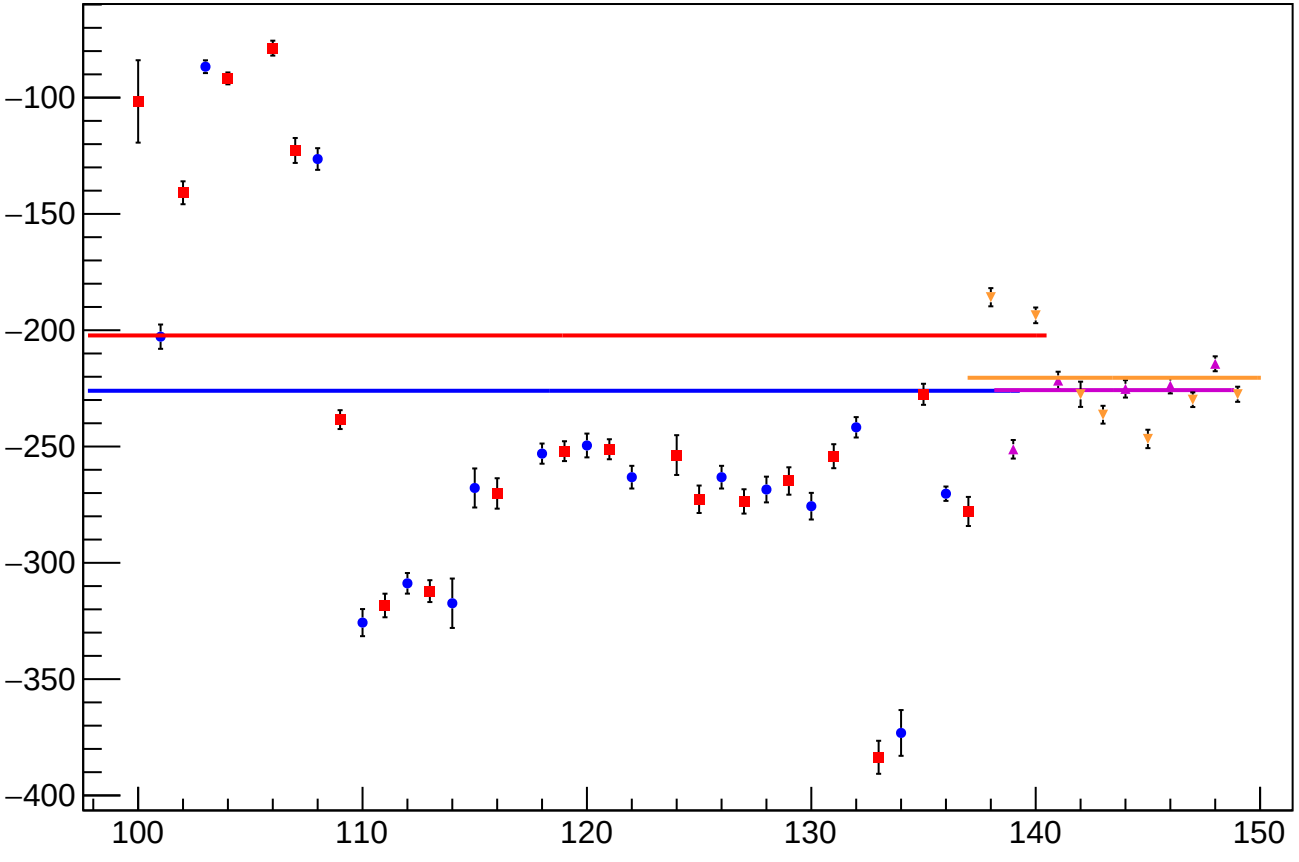
Left In: -12.455+/-1.030 χ^2/NDF:22.5/4

+ sign -6.445+/-0.713 χ^2/NDF: 404.7/22

All: -6.101+/-0.507 χ^2/NDF: 784.6/46

- 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: -220.438+/-1.394 χ^2/NDF:218.6/6

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

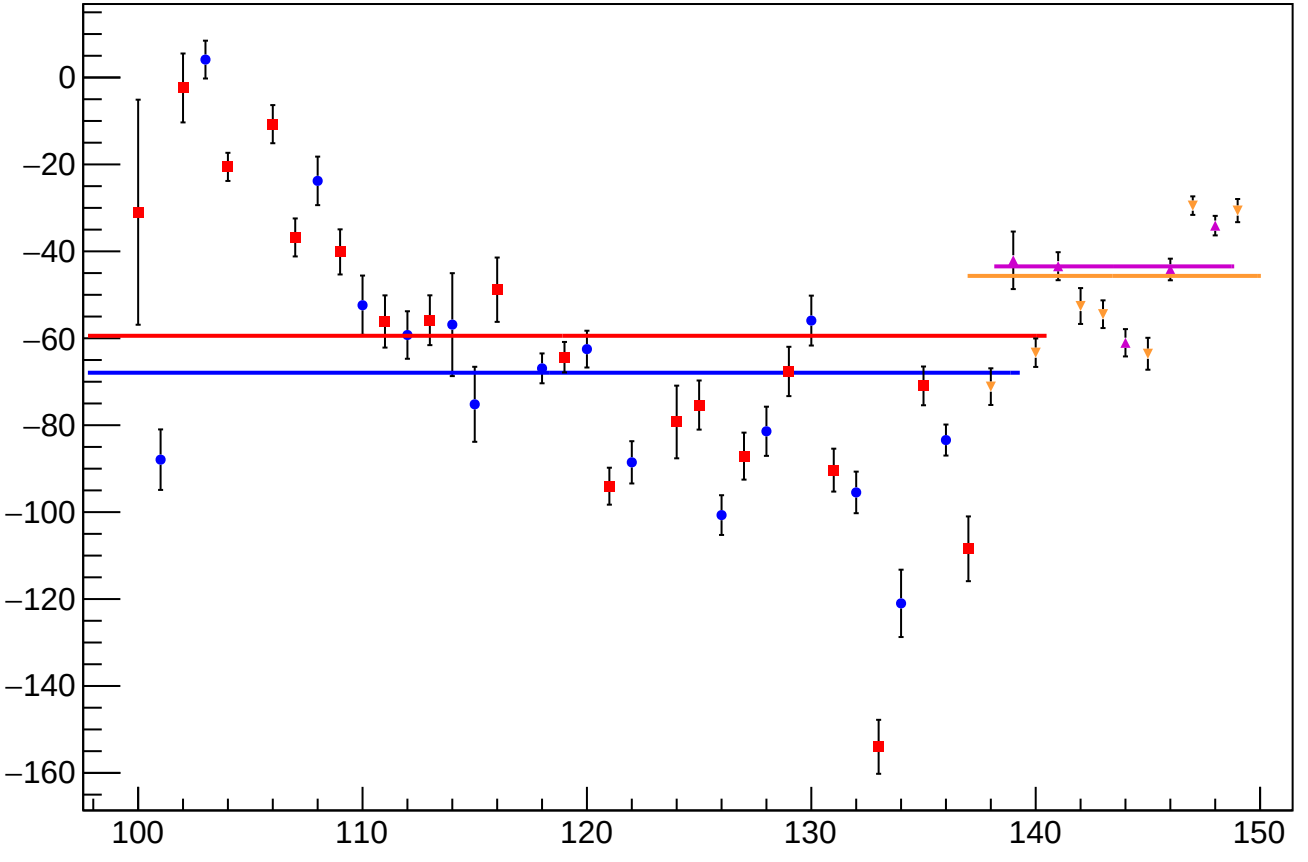
Left In: -225.745+/-1.601 χ^2/NDF:54.6/4

+ sign -223.706+/-0.898 χ^2/NDF: 4767.1/22

All: -216.691+/-0.636 χ^2/NDF: 11781.9/46

- 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: -45.648+/-1.161 χ^2/NDF:189.3/6

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

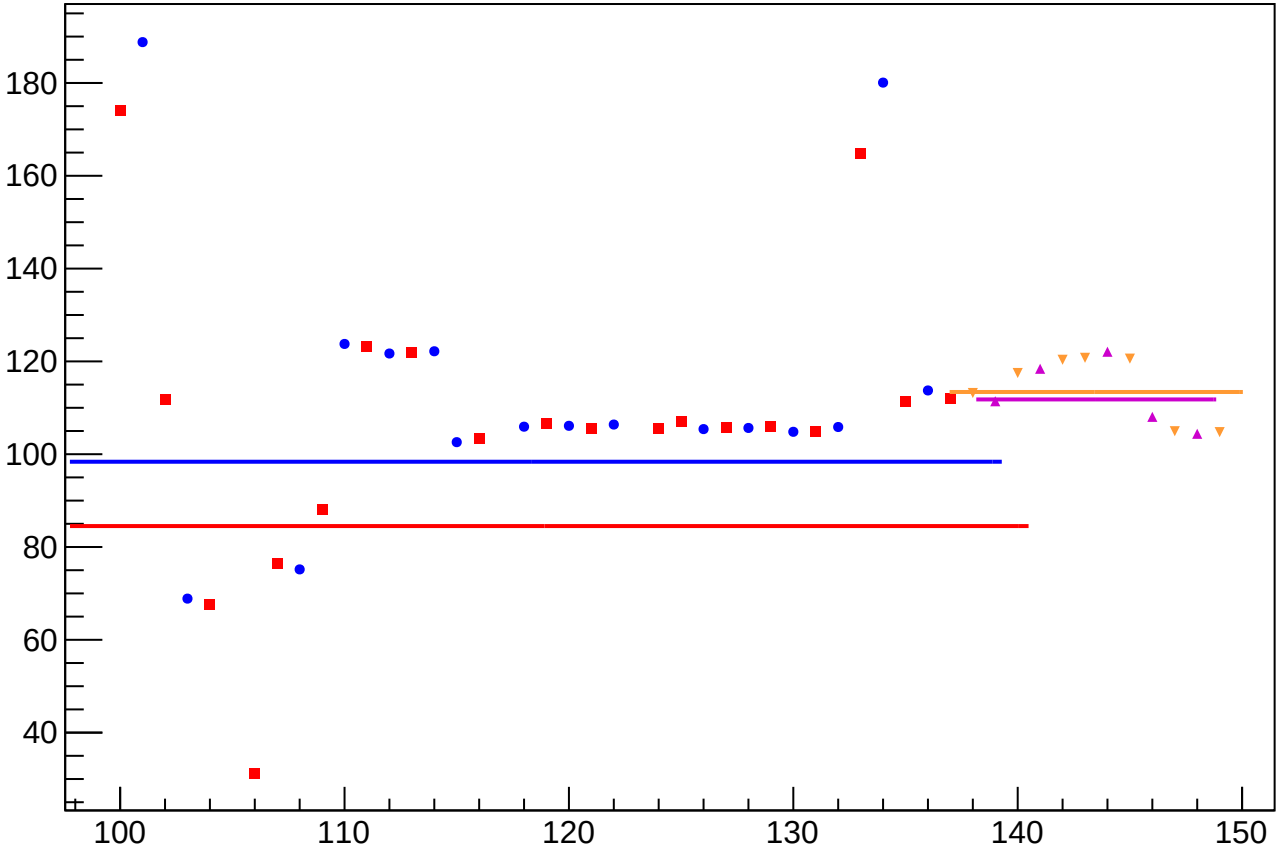
Left In: -43.458+/-1.313 χ^2/NDF:48.8/4

+ sign -55.720+/-0.859 χ^2/NDF: 889.8/22

All: -54.032+/-0.615 χ^2/NDF: 1823.0/46

- 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: 113.408+/-0.059 χ^2/NDF:13581.3/6

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

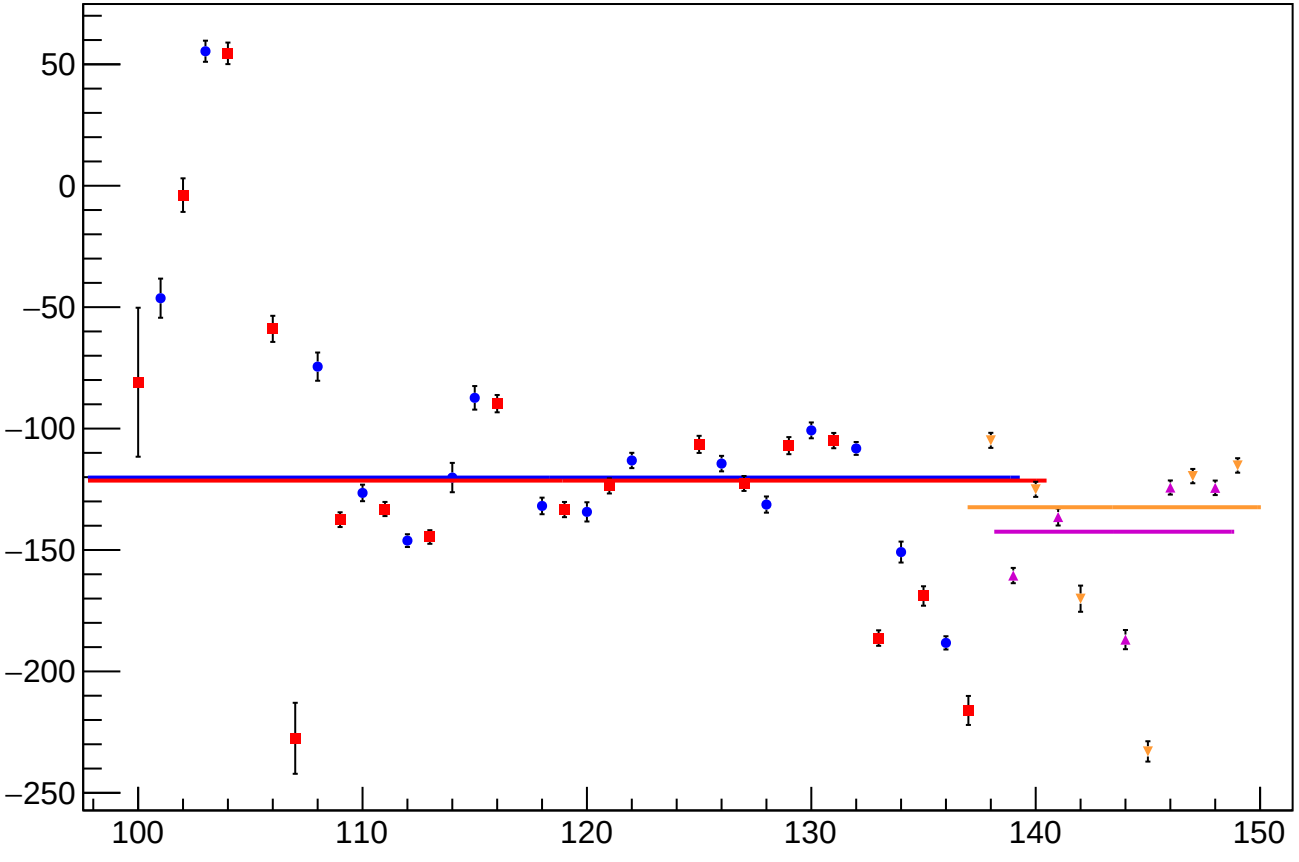
Left In: 111.802+/-0.065 χ^2/NDF:9508.4/4

+ sign 106.757+/-0.044 χ^2/NDF: 270884.2/22

All: 101.999+/-0.031 χ^2/NDF: 666682.1/46

- 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: -132.388+/-1.379 χ^2/NDF:762.3/5

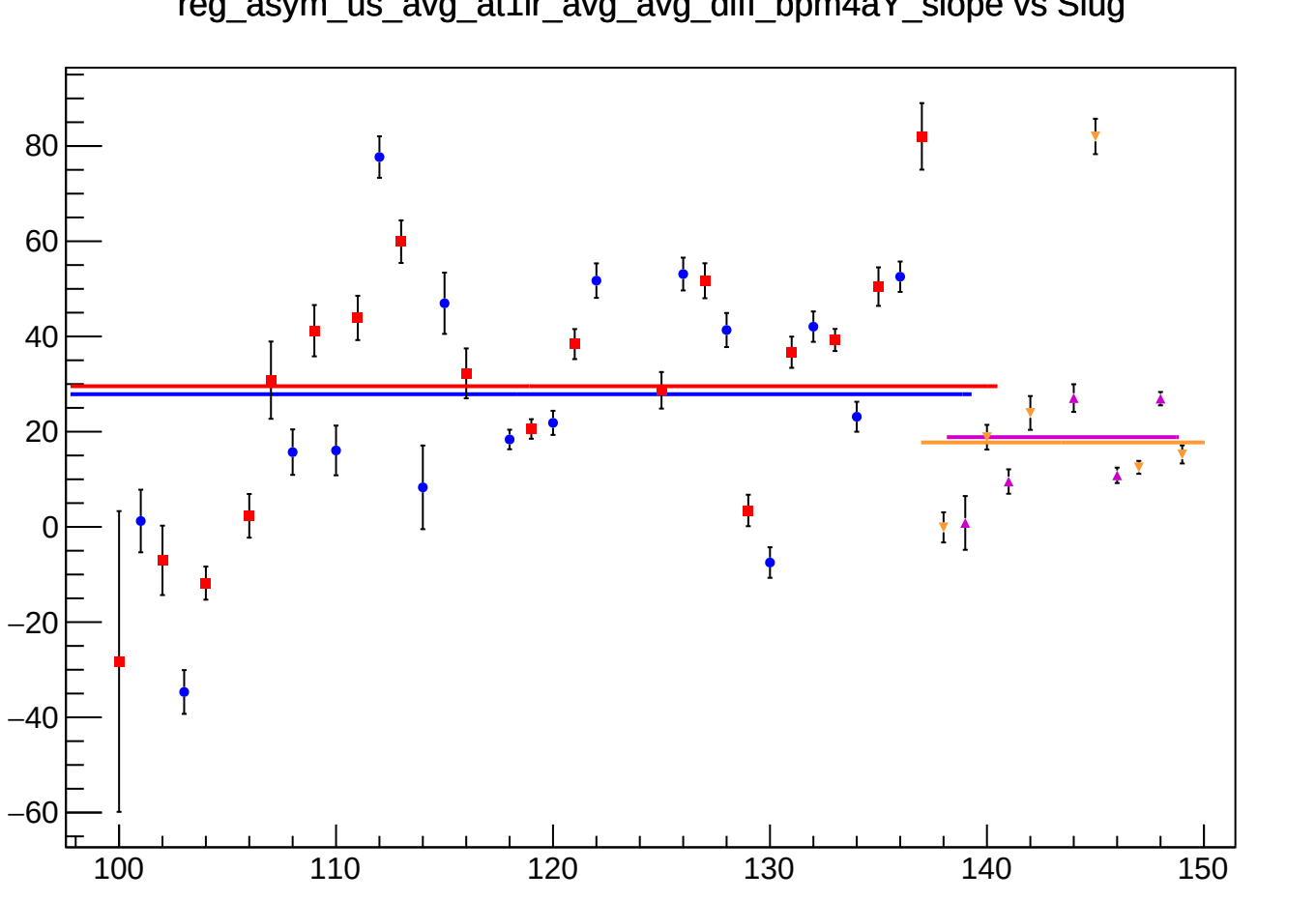
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -142.468+/-1.449 χ^2/NDF:238.1/4

+ sign -123.772+/-0.748 χ^2/NDF: 3508.9/21

All: -125.408+/-0.529 χ^2/NDF: 7037.6/44

- sign -127.048+/-0.749 χ^2/NDF: 3519.1/22



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 17.741+/-0.905 χ^2/NDF:351.0/5

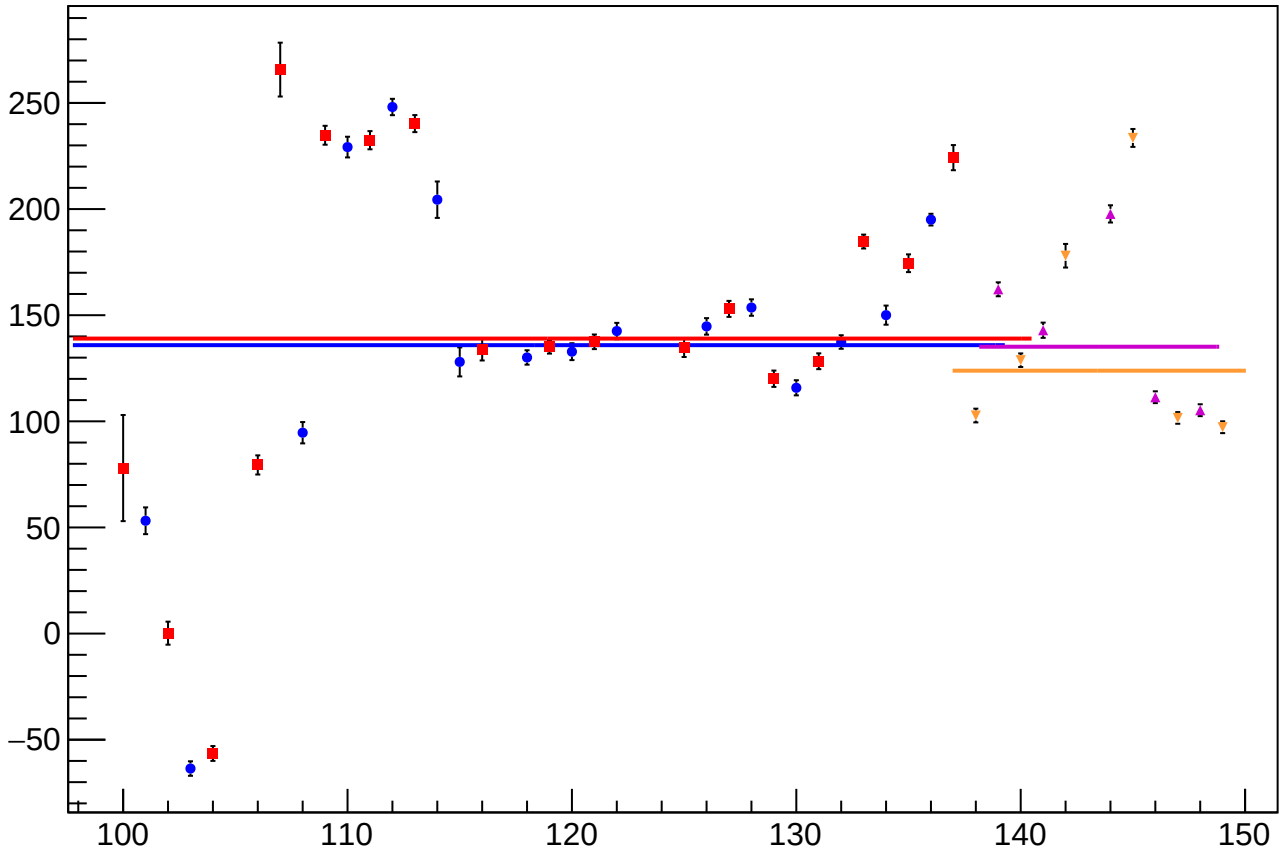
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 18.852+/-0.918 χ^2/NDF:88.8/4

\+ sign 22.904+/-0.634 χ^2/NDF: 1114.4/21

All: 23.632+/-0.450 χ^2/NDF: 1773.4/44

\- sign 24.370+/-0.639 χ^2/NDF: 656.4/22



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 123.858+/-1.358 χ^2/NDF:971.8/5

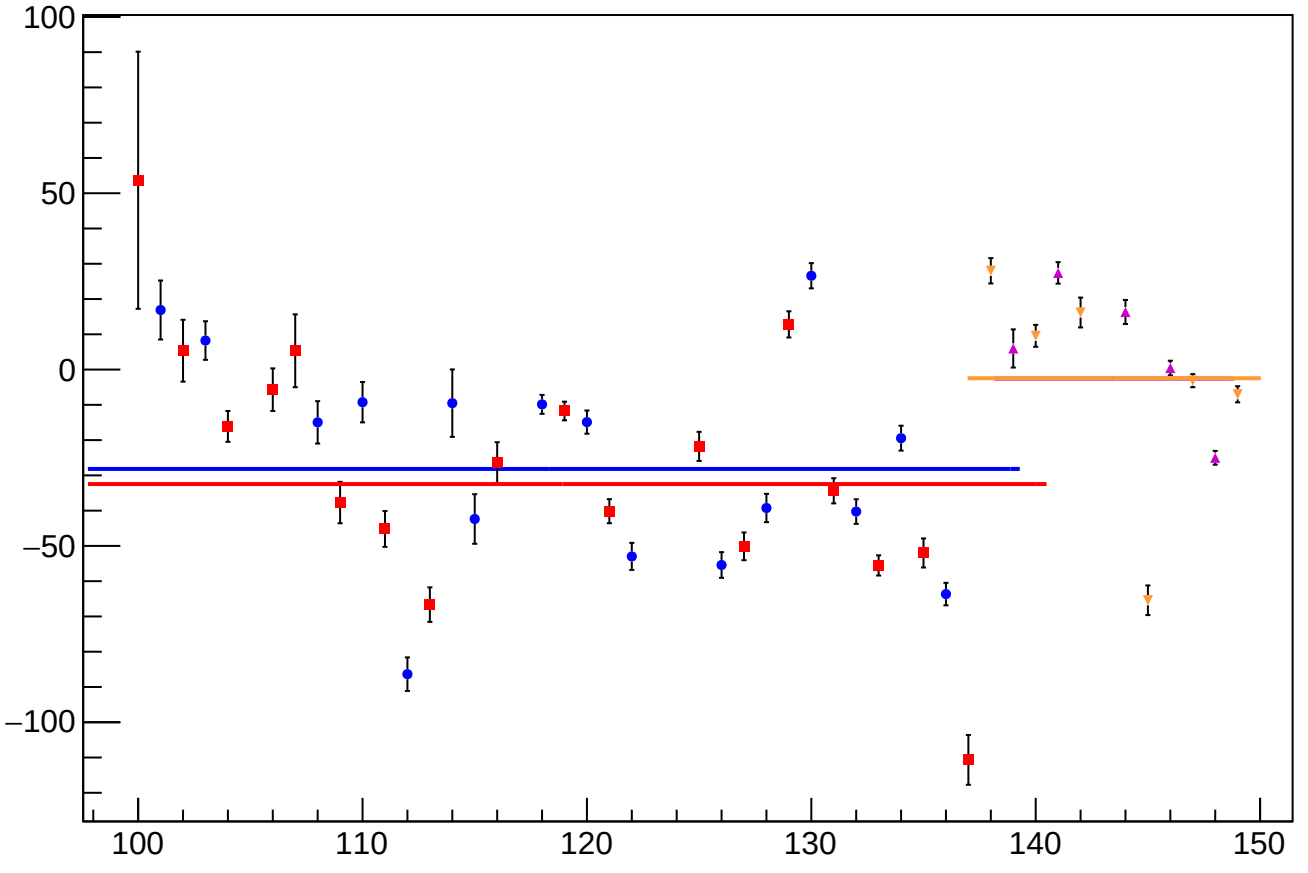
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 135.146+/-1.432 χ^2/NDF:497.0/4

+ sign 131.662+/-0.804 χ^2/NDF: 6486.3/21

All: 134.641+/-0.574 χ^2/NDF: 13172.5/44

- 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: -2.461+/-1.137 χ^2/NDF:334.4/5

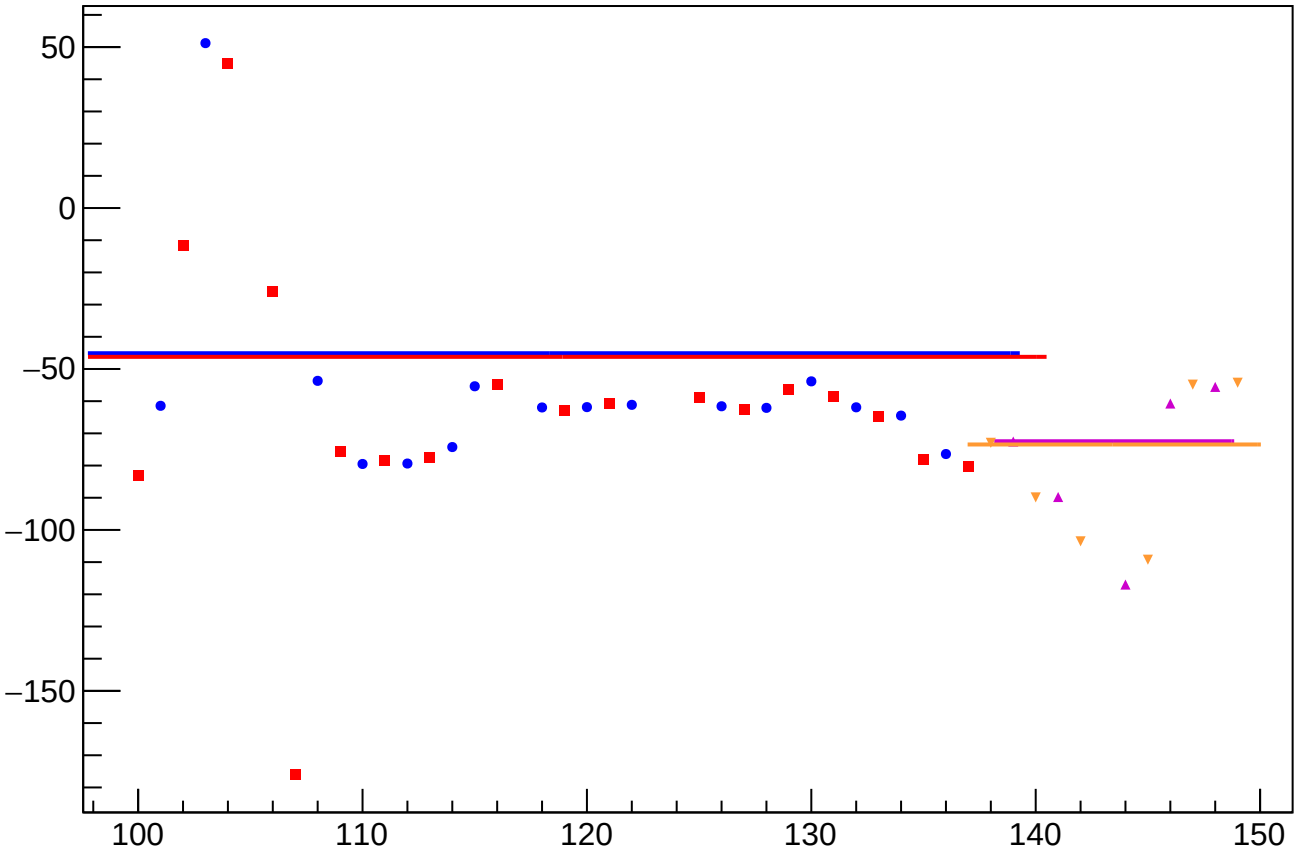
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -2.557+/-1.177 χ^2/NDF:263.1/4

+ sign -16.681+/-0.760 χ^2/NDF: 1408.5/21

All: -18.080+/-0.542 χ^2/NDF: 2625.6/44

- 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: -73.453+/-0.057 χ^2/NDF:127032.0/5

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

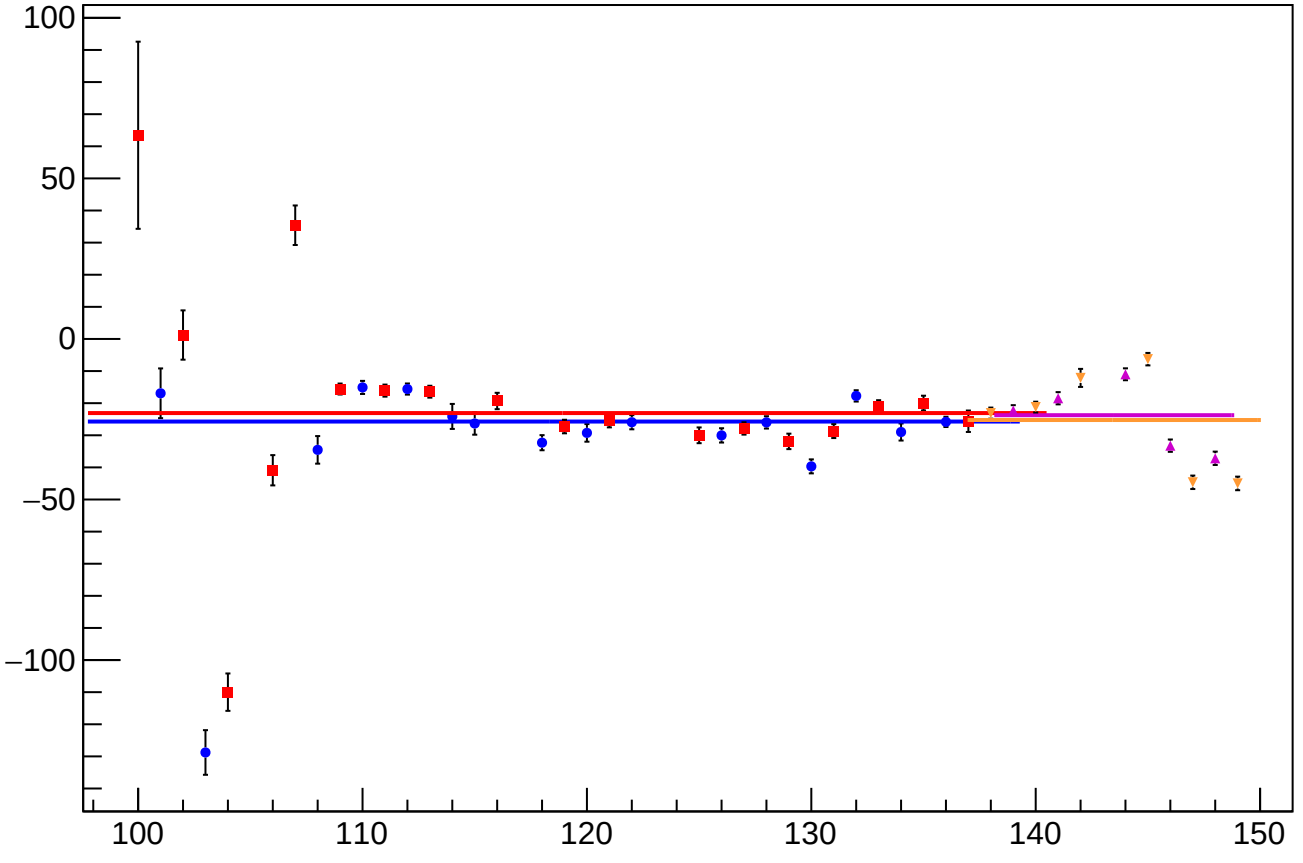
Left In: -72.450+/-0.058 χ^2/NDF:105182.1/4

+ sign -59.976+/-0.041 χ^2/NDF: 818784.5/21

All: -60.160+/-0.030 χ^2/NDF: 1512168.7/44

- 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: -25.247+/-0.808 χ^2/NDF:297.3/5

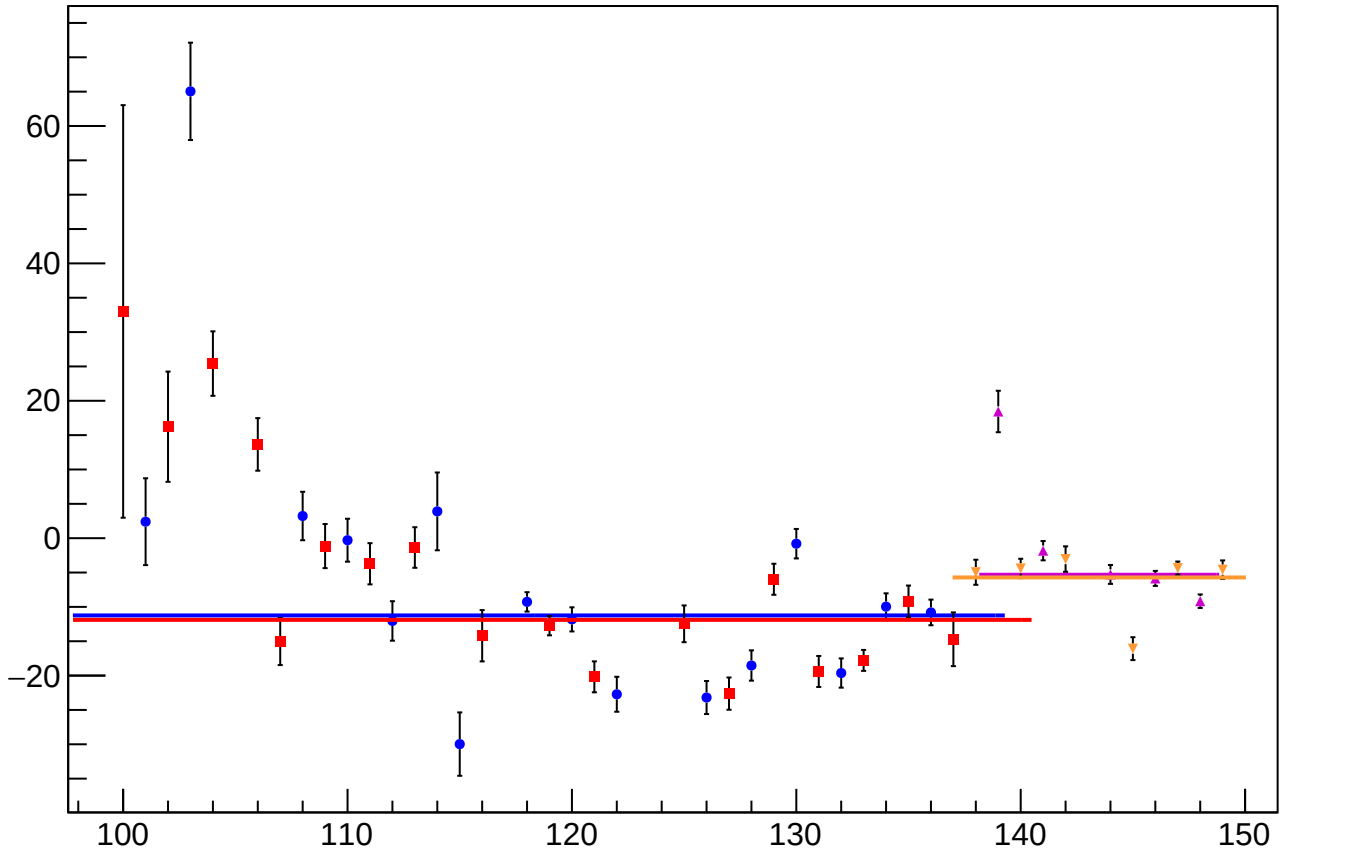
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -23.743+/-0.838 χ^2/NDF:121.3/4

\+ sign -25.556+/-0.477 χ^2/NDF: 660.5/21

All: -24.429+/-0.337 χ^2/NDF: 1230.6/44

\- 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: -5.716+/-0.570 χ^2/NDF:44.6/5

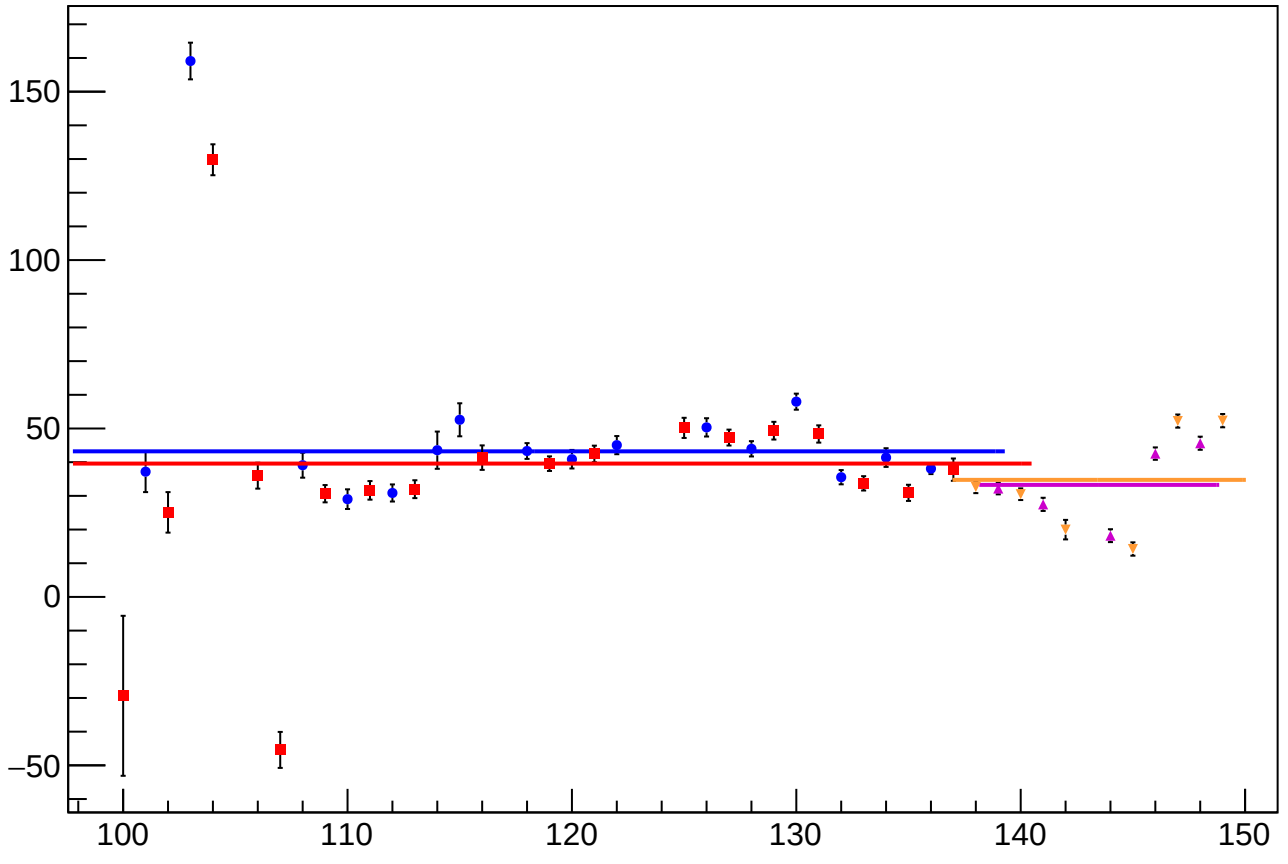
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -5.324+/-0.576 χ^2/NDF:83.7/4

\+ sign -8.339+/-0.413 χ^2/NDF: 360.3/21

All: -8.387+/-0.294 χ^2/NDF: 730.1/44

\- sign -8.437+/-0.418 χ^2/NDF: 369.8/22



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 34.752+/-0.808 χ^2/NDF:299.9/5

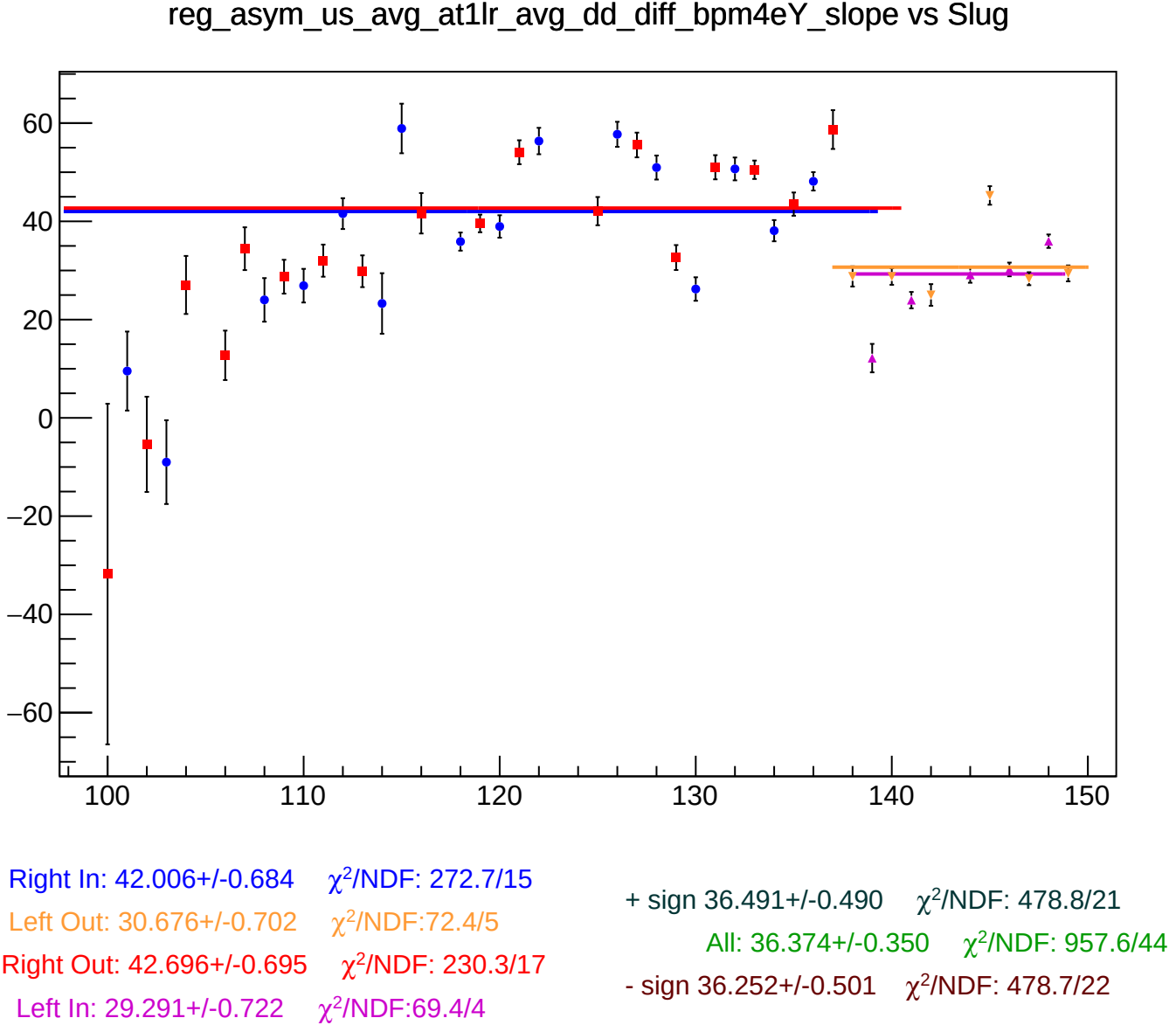
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

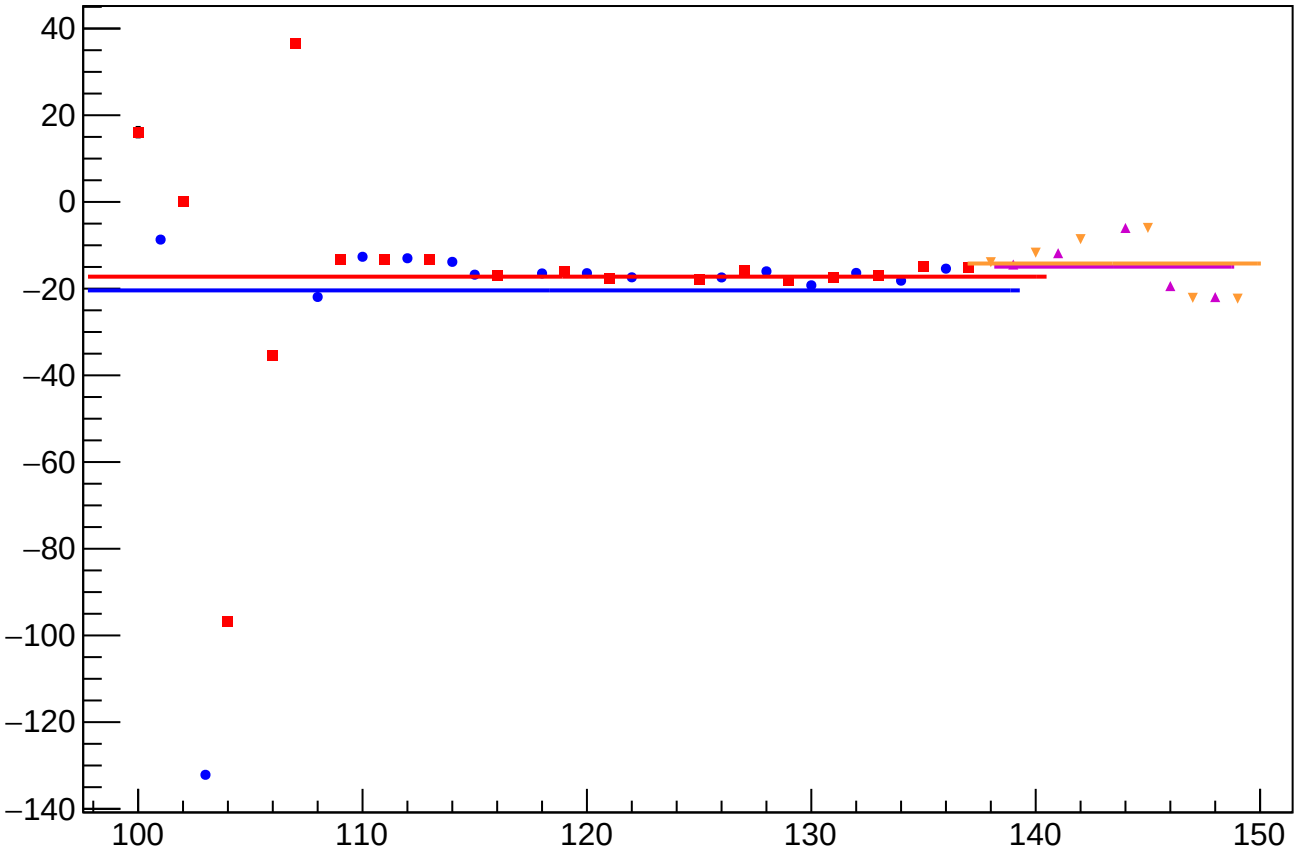
Left In: 33.262+/-0.839 χ^2/NDF:136.8/4

+ sign 39.720+/-0.519 χ^2/NDF: 940.4/21

All: 38.417+/-0.371 χ^2/NDF: 1878.2/44

- sign 37.058+/-0.530 χ^2/NDF: 924.9/22


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
Right In: 42.006+/-0.684 χ²/NDF: 272.7/15
Left Out: 30.676+/-0.702 χ²/NDF:72.4/5
Right Out: 42.696+/-0.695 χ²/NDF: 230.3/17
Left In: 29.291+/-0.722 χ²/NDF:69.4/4
+ sign 36.491+/-0.490 χ²/NDF: 478.8/21
All: 36.374+/-0.350 χ²/NDF: 957.6/44
- sign 36.252+/-0.501 χ²/NDF: 478.7/22



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -14.203+/-0.034 χ^2/NDF:32285.8/5

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

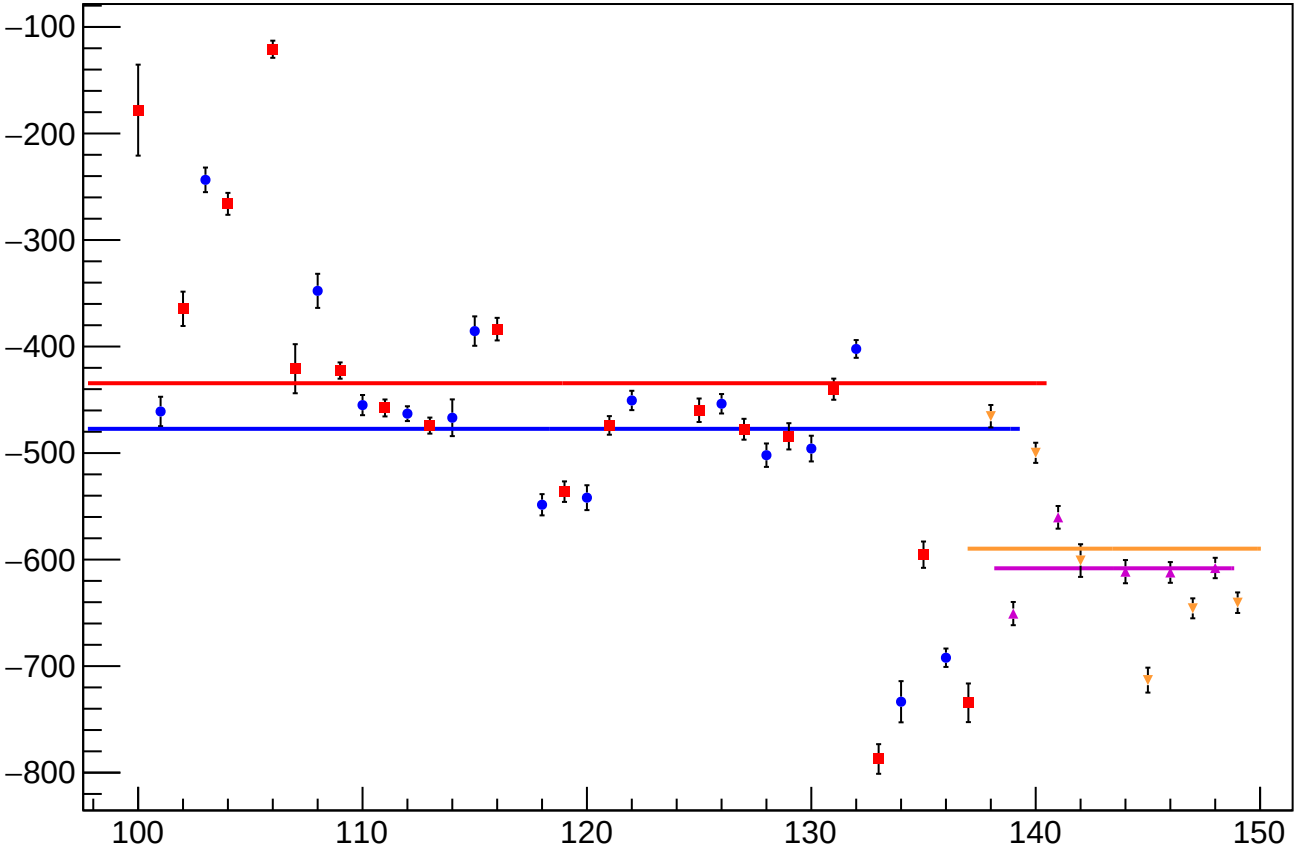
Left In: -14.928+/-0.034 χ^2/NDF:23627.7/4

+ sign -16.636+/-0.026 χ^2/NDF: 291207.7/21

All: -16.220+/-0.019 χ^2/NDF: 521729.7/44

- 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: -589.747+/-4.307 χ^2/NDF:405.3/5

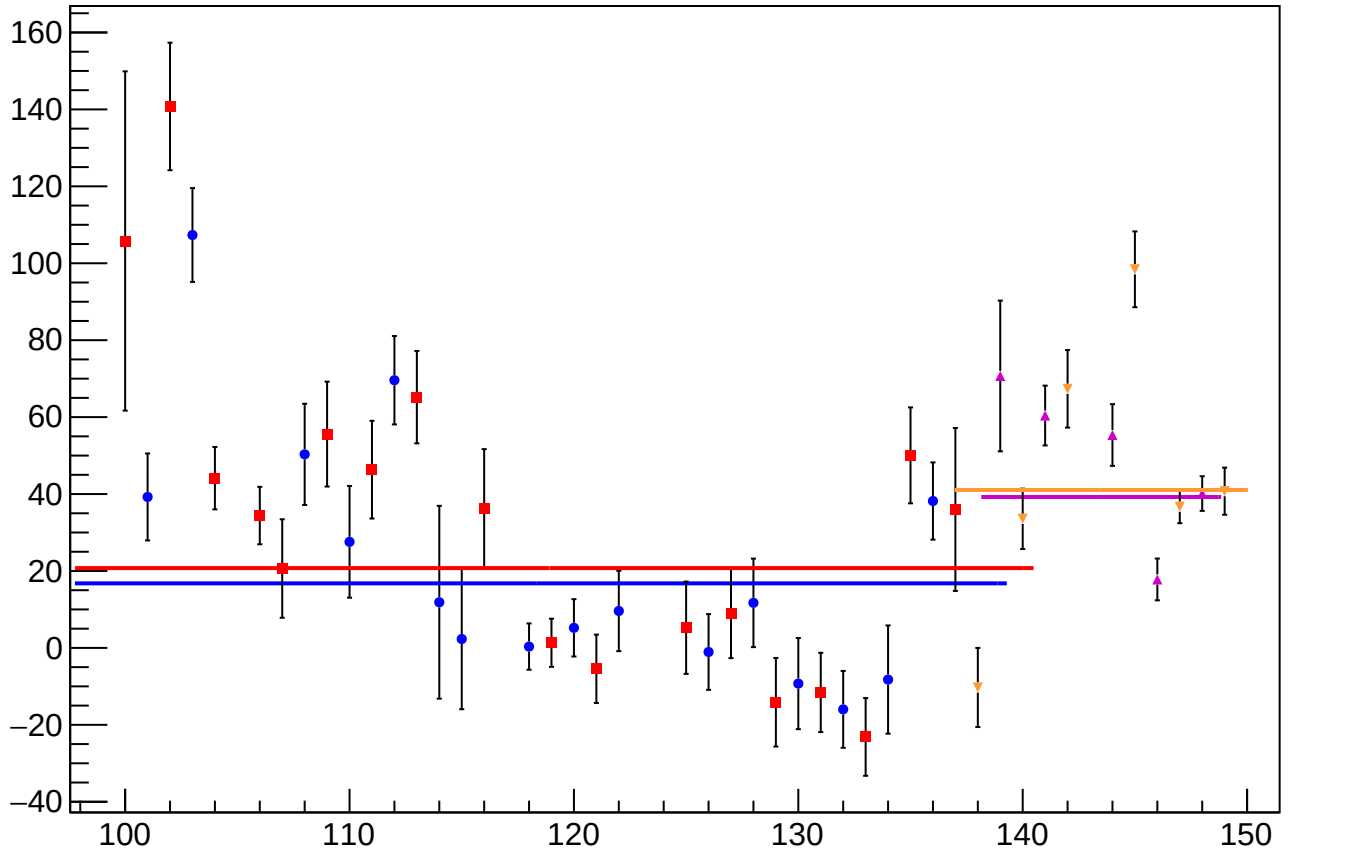
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -608.172+/-4.605 χ^2/NDF:35.7/4

+ sign -507.857+/-2.247 χ^2/NDF: 2412.7/21

All: -489.895+/-1.562 χ^2/NDF: 6840.4/44

- sign -473.099+/-2.172 χ^2/NDF: 4304.0/22



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 41.054+/-2.812 χ^2/NDF:67.6/5

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

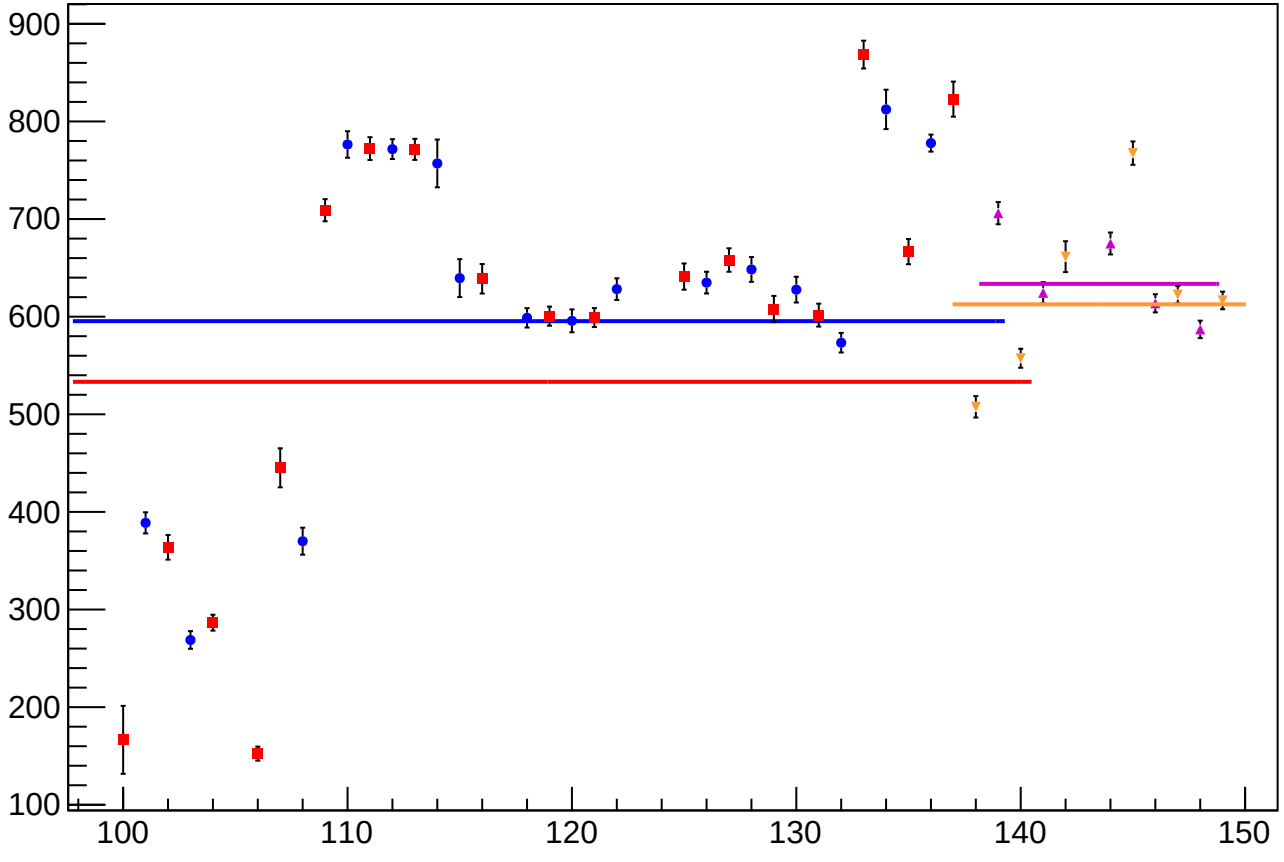
Left In: 39.237+/-2.913 χ^2/NDF:29.6/4

+ sign 28.217+/-1.930 χ^2/NDF: 232.0/21

All: 28.493+/-1.360 χ^2/NDF: 442.4/44

- sign 28.764+/-1.918 χ^2/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: 612.656+/-4.253 χ^2/NDF:302.5/5

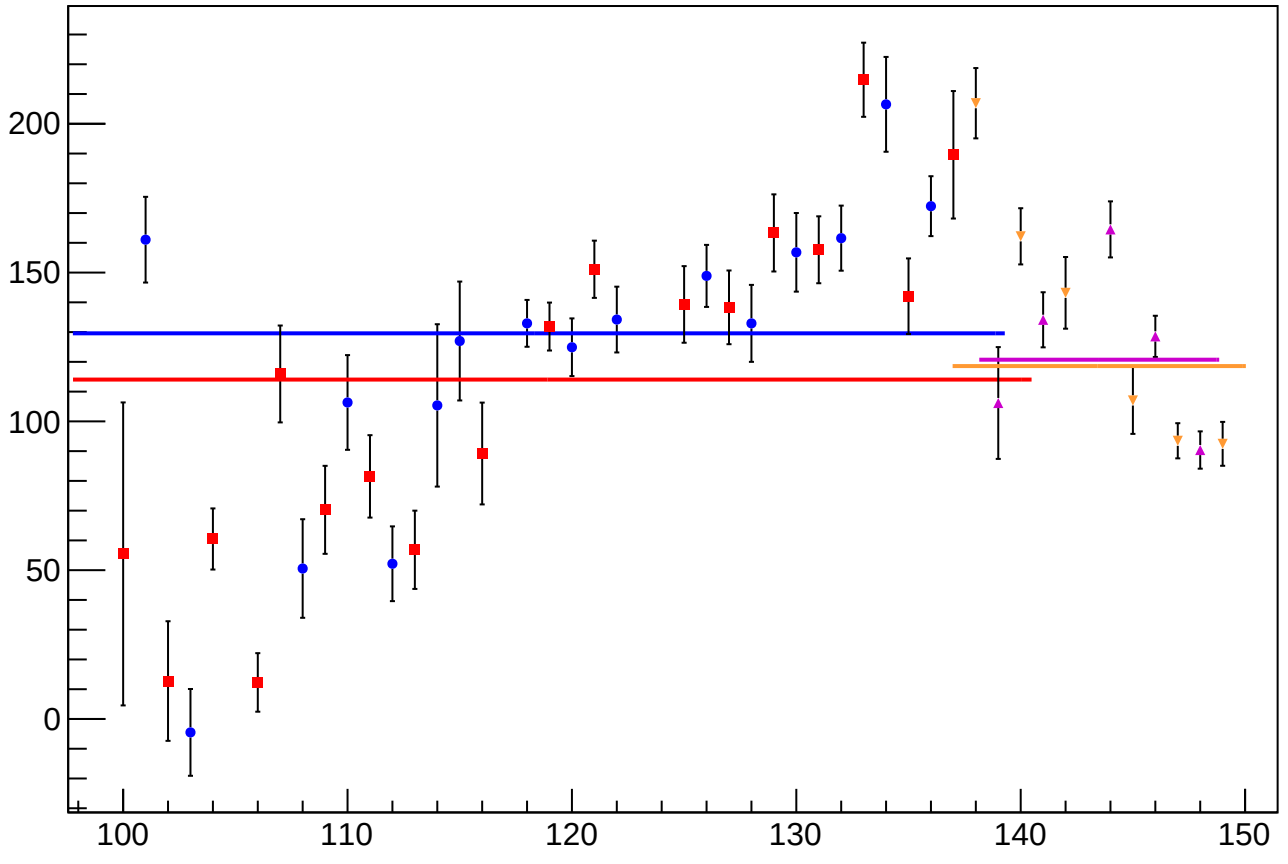
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 633.637+/-4.560 χ^2/NDF:86.6/4

+ sign 600.957+/-2.413 χ^2/NDF: 3373.4/21

All: 579.956+/-1.684 χ^2/NDF: 10466.2/44

- 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: 118.583+/-3.530 χ^2/NDF:113.1/5

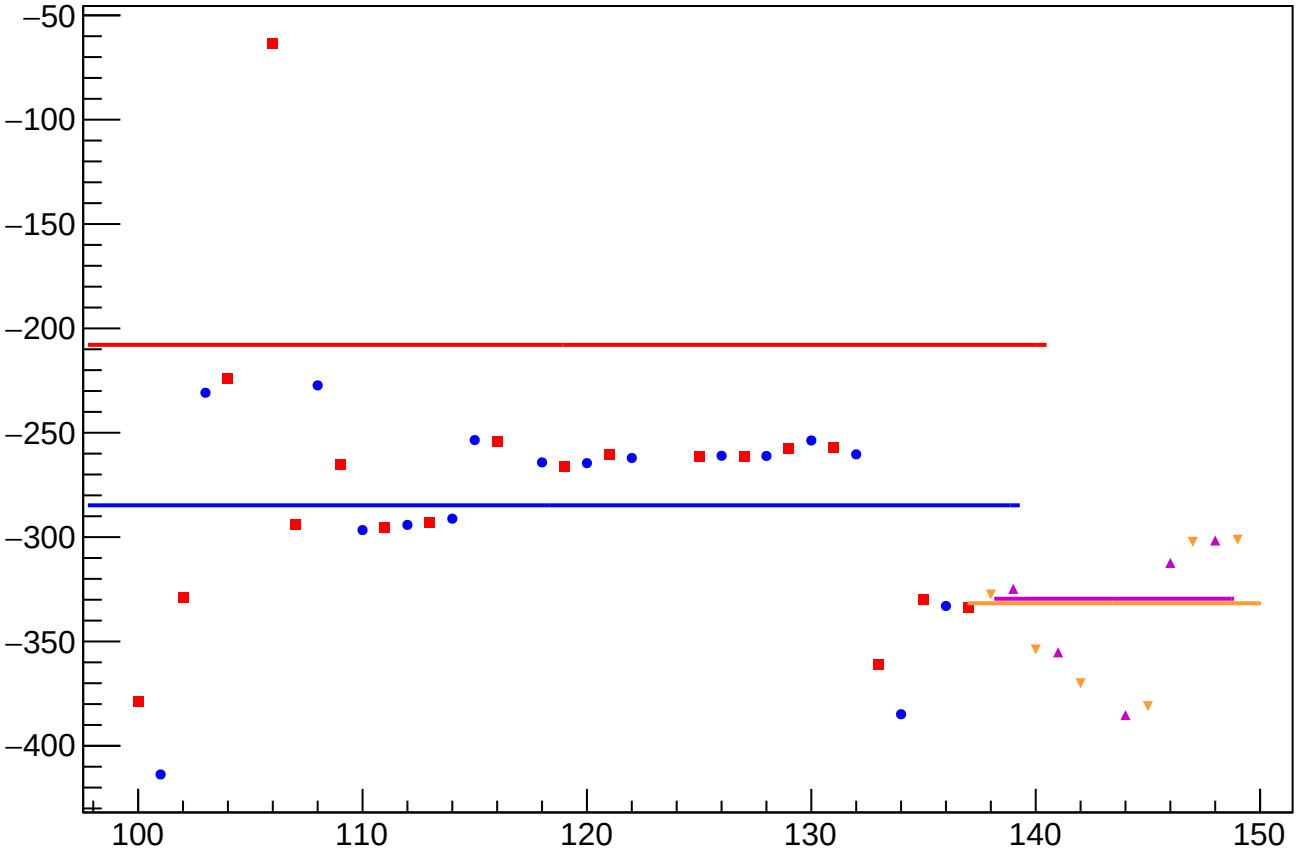
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 120.726+/-3.724 χ^2/NDF:49.0/4

+ sign 124.829+/-2.321 χ^2/NDF: 329.8/21

All: 120.746+/-1.643 χ^2/NDF: 722.9/44

- 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: -331.682+/-0.180 χ^2/NDF:29163.7/5

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

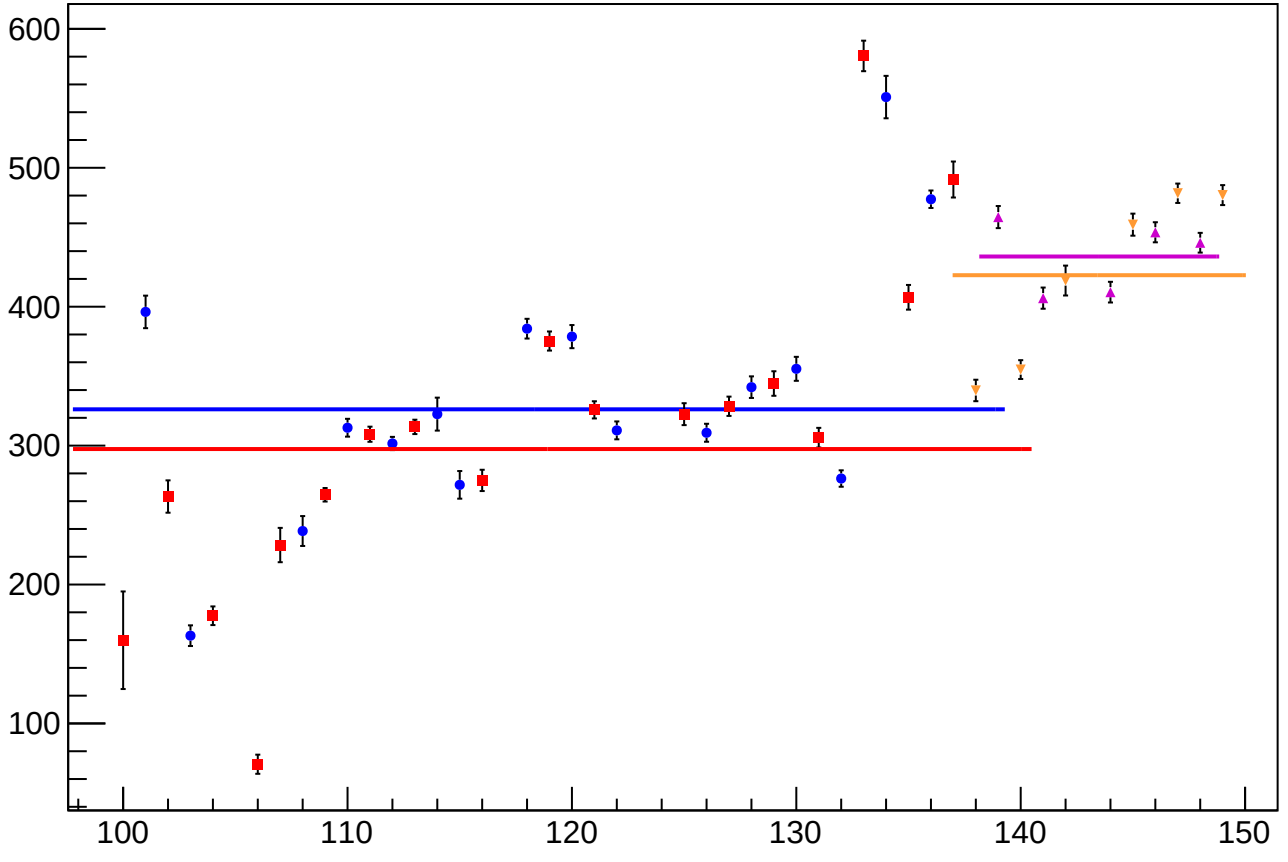
Left In: -329.525+/-0.186 χ^2/NDF:23485.0/4

+ sign -307.884+/-0.126 χ^2/NDF: 167941.6/21

All: -279.401+/-0.086 χ^2/NDF: 1082347.1/44

- 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: 422.679+/-3.115 χ^2/NDF:373.1/5

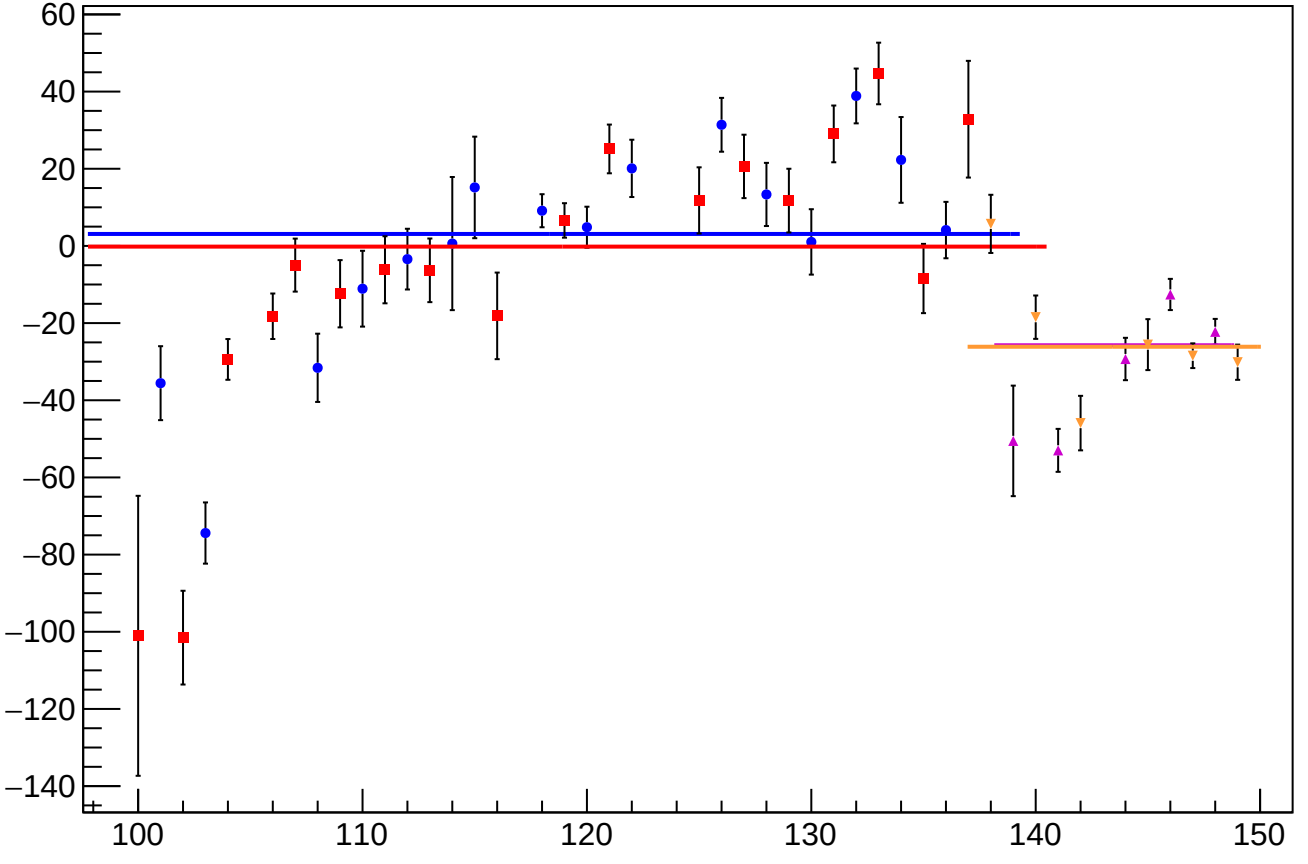
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 436.135+/-3.333 χ^2/NDF:47.9/4

\+ sign 351.438+/-1.595 χ^2/NDF: 2724.7/21

All: 338.821+/-1.107 χ^2/NDF: 7029.5/44

\- 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: -26.131+/-2.051 χ^2/NDF:28.9/5

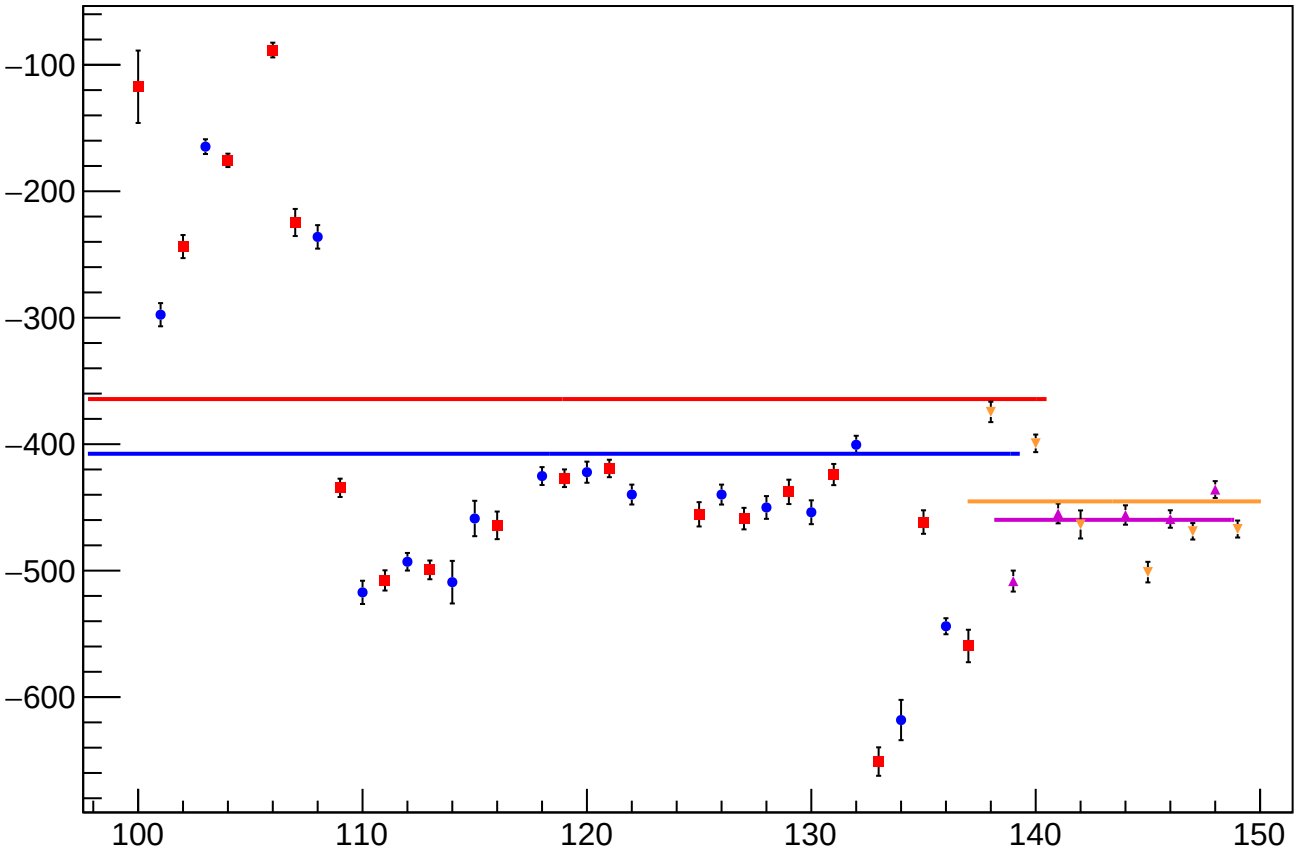
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -25.747+/-2.127 χ^2/NDF:39.0/4

+ sign -10.339+/-1.391 χ^2/NDF: 323.1/21

All: -10.566+/-0.976 χ^2/NDF: 652.0/44

- sign -10.787+/-1.370 χ^2/NDF: 328.8/22



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -445.245+/-3.085 χ^2/NDF:194.3/5

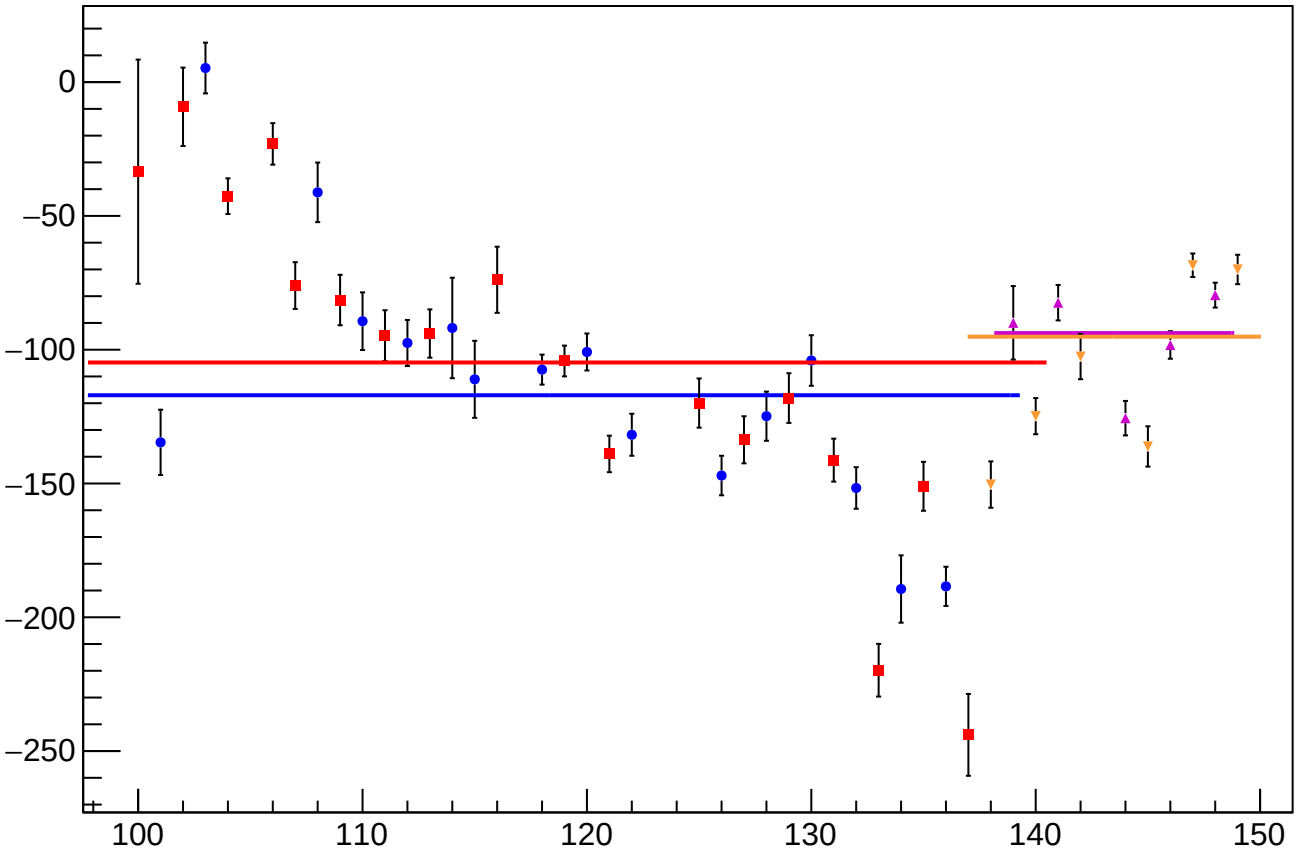
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -459.830+/-3.306 χ^2/NDF:47.8/4

\+ sign -419.301+/-1.721 χ^2/NDF: 3577.6/21

All: -403.650+/-1.200 χ^2/NDF: 10627.2/44

\- sign -388.829+/-1.675 χ^2/NDF: 6888.6/22



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -95.132+/-2.568 χ^2/NDF:148.1/5

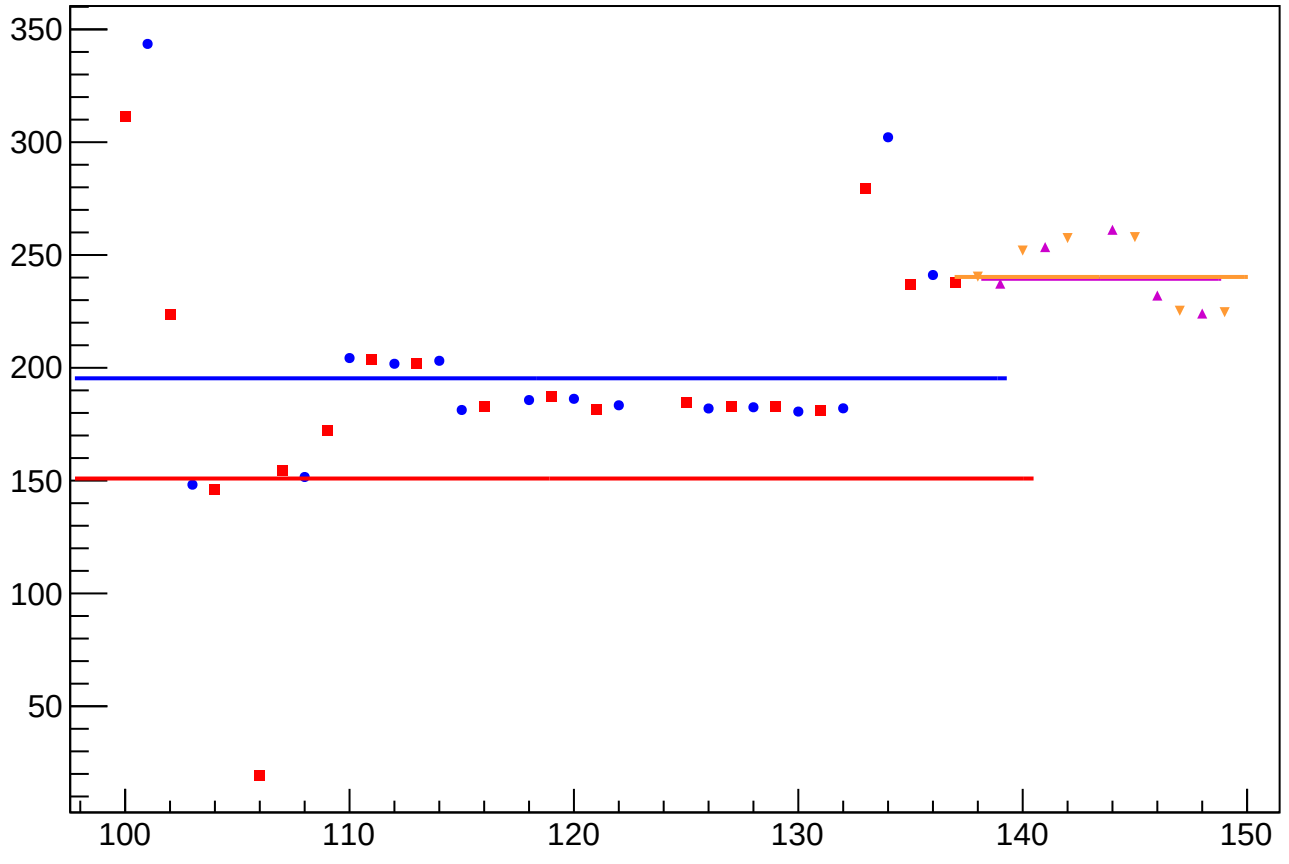
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -93.786+/-2.711 χ^2/NDF:37.4/4

+ sign -107.781+/-1.668 χ^2/NDF: 598.0/21

All: -104.203+/-1.175 χ^2/NDF: 1229.9/44

- 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: 240.272+/-0.130 χ^2/NDF:11581.4/5

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

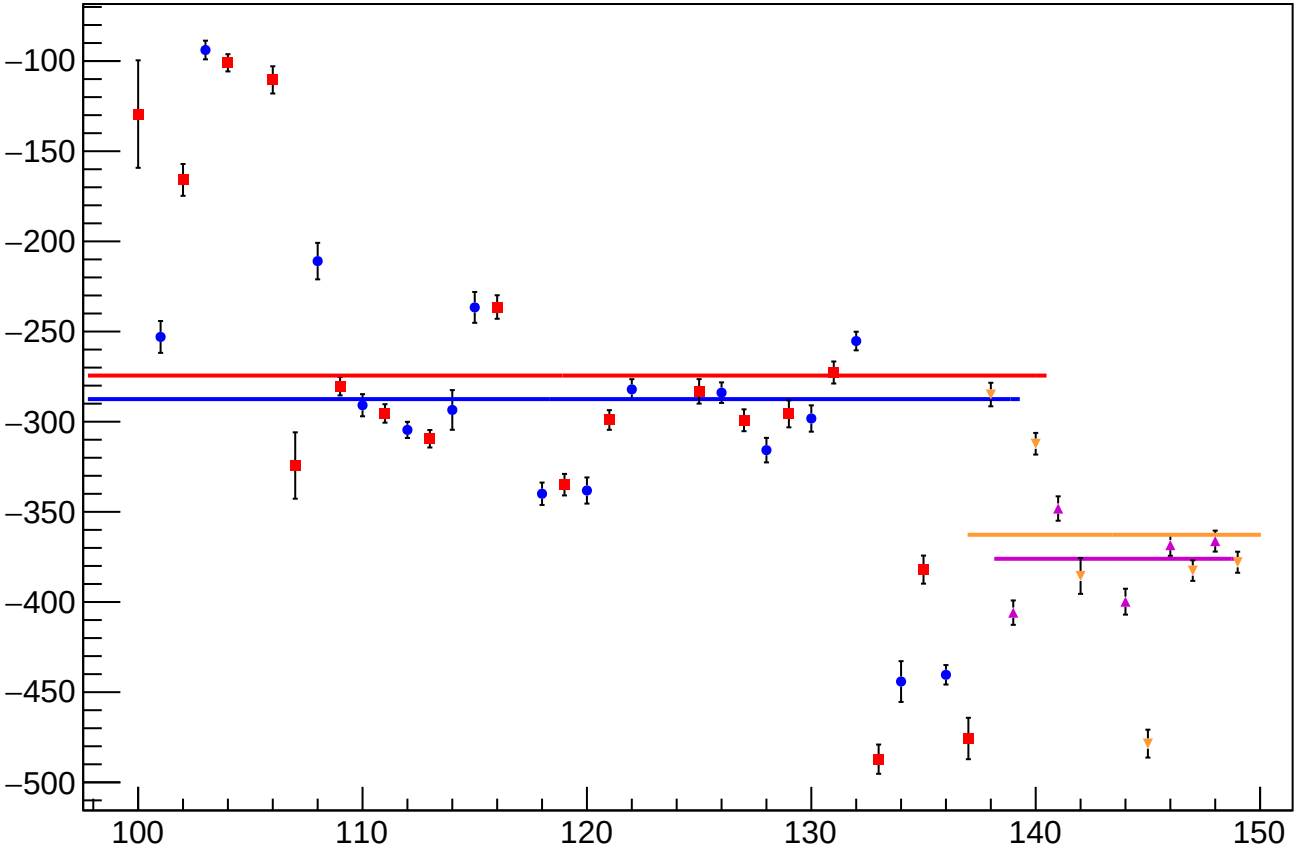
Left In: 239.463+/-0.135 χ^2/NDF:9884.3/4

+ sign 216.782+/-0.090 χ^2/NDF: 250536.7/21

All: 200.704+/-0.062 χ^2/NDF: 1077800.3/44

- 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: -362.711+/-2.690 χ^2/NDF:461.2/5

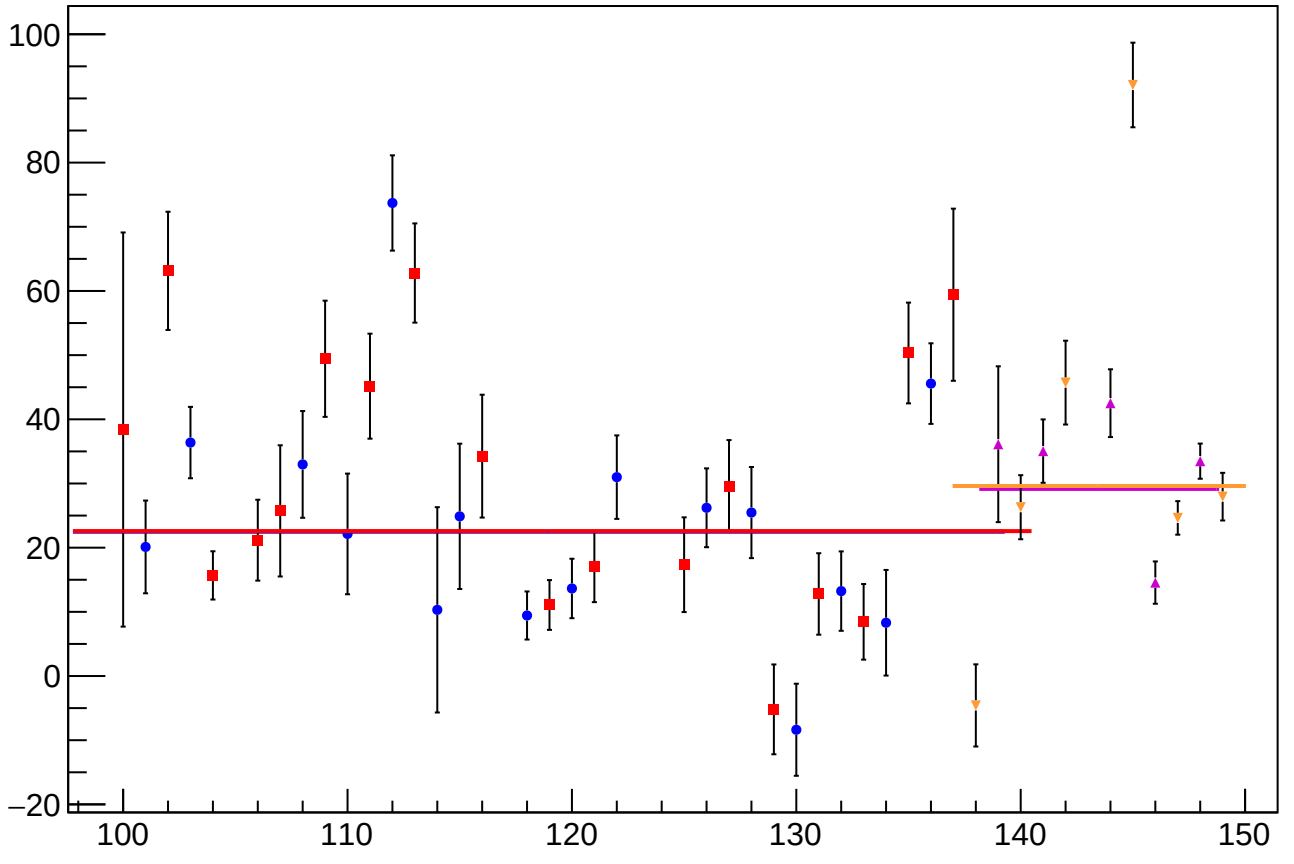
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -376.026+/-2.873 χ^2/NDF:52.0/4

\+ sign -307.345+/-1.382 χ^2/NDF: 3733.5/21

All: -302.289+/-0.971 χ^2/NDF: 8193.9/44

\- 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: 29.610+/-1.741 χ^2/NDF:128.7/5

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

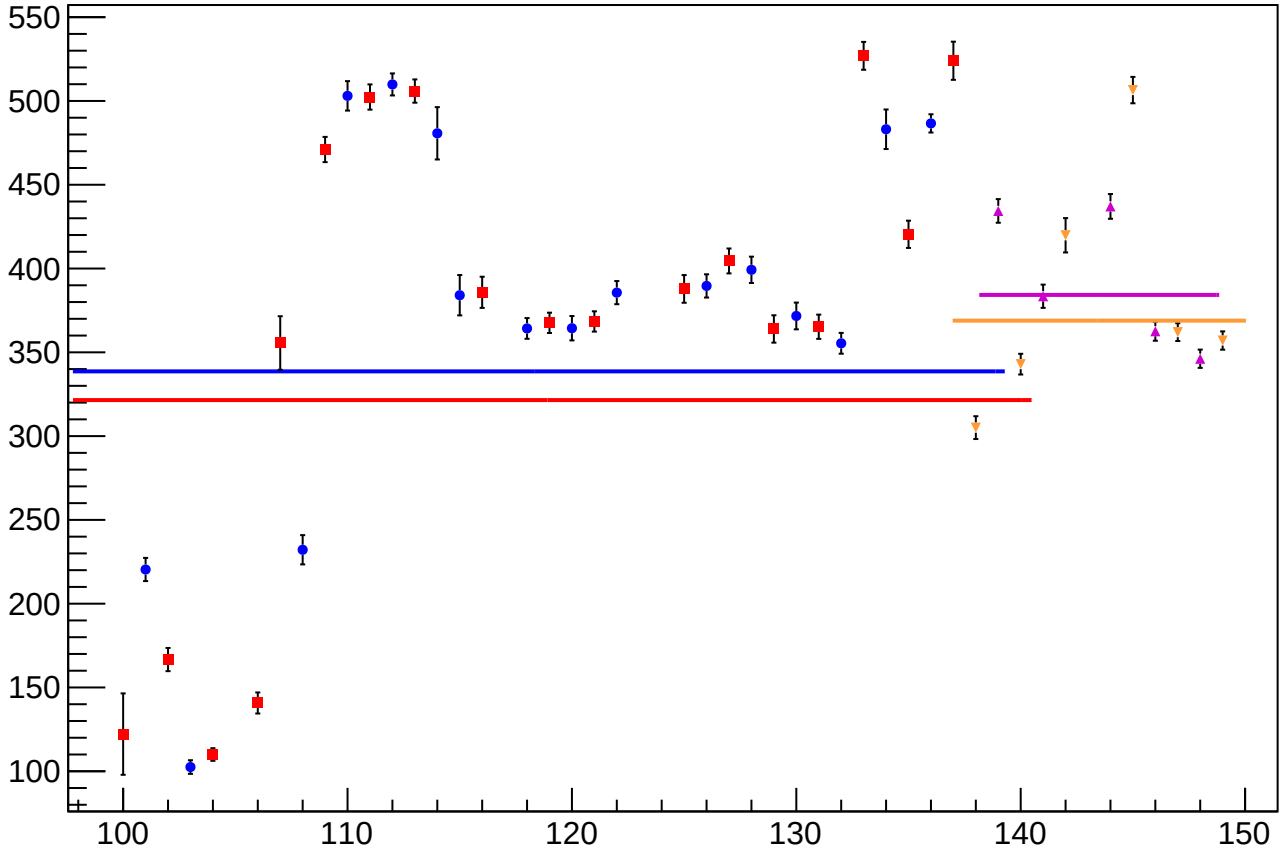
Left In: 29.154+/-1.799 χ^2/NDF:30.3/4

\+ sign 25.798+/-1.186 χ^2/NDF: 249.1/21

All: 25.609+/-0.838 χ^2/NDF: 410.3/44

\- 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: 368.912+/-2.649 χ^2/NDF:441.9/5

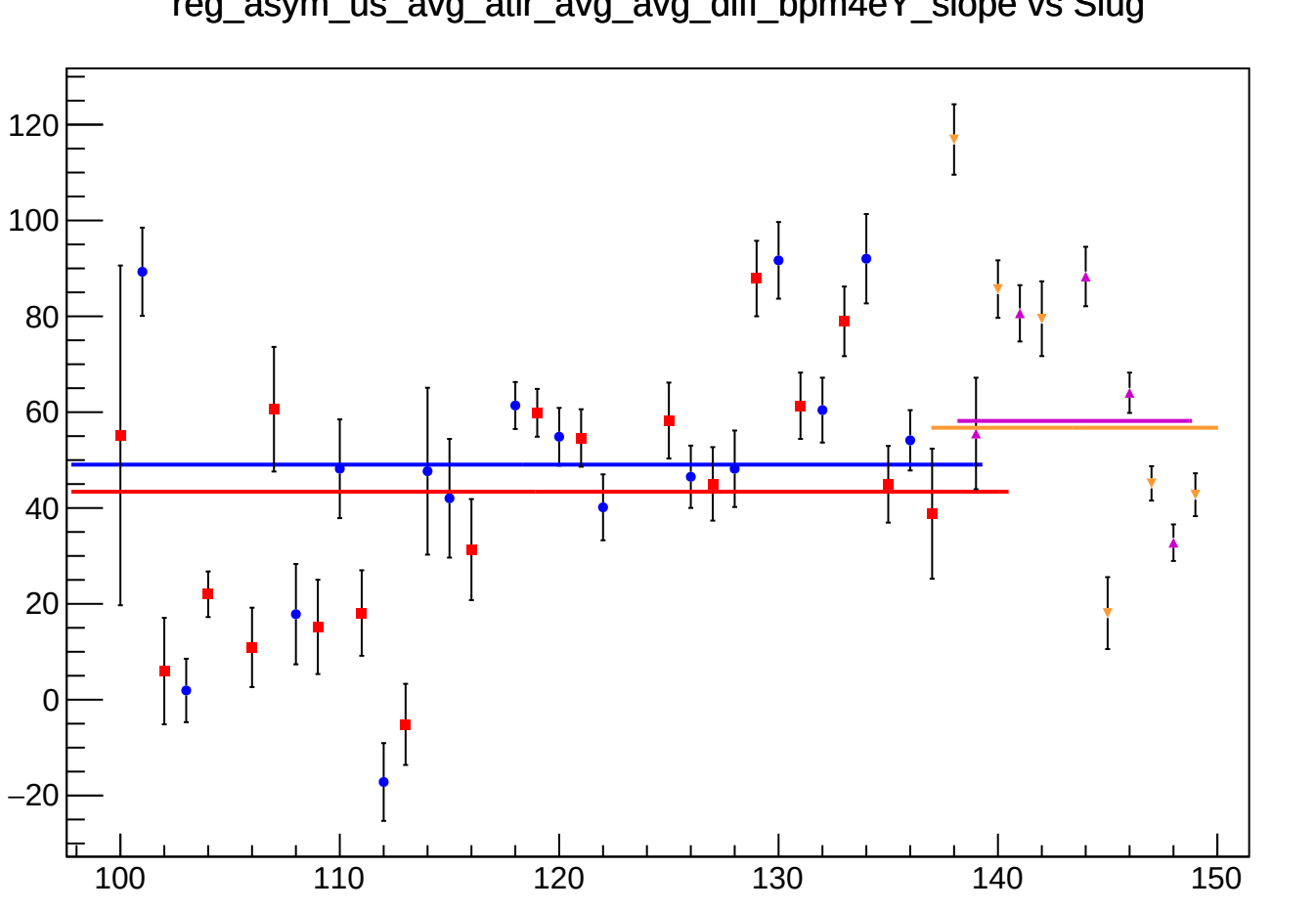
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 384.254+/-2.839 χ^2/NDF:165.2/4

+ sign 347.821+/-1.459 χ^2/NDF: 6575.6/21

All: 342.887+/-1.030 χ^2/NDF: 14844.7/44

- 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: 56.752+/-2.191 χ^2/NDF:145.5/5

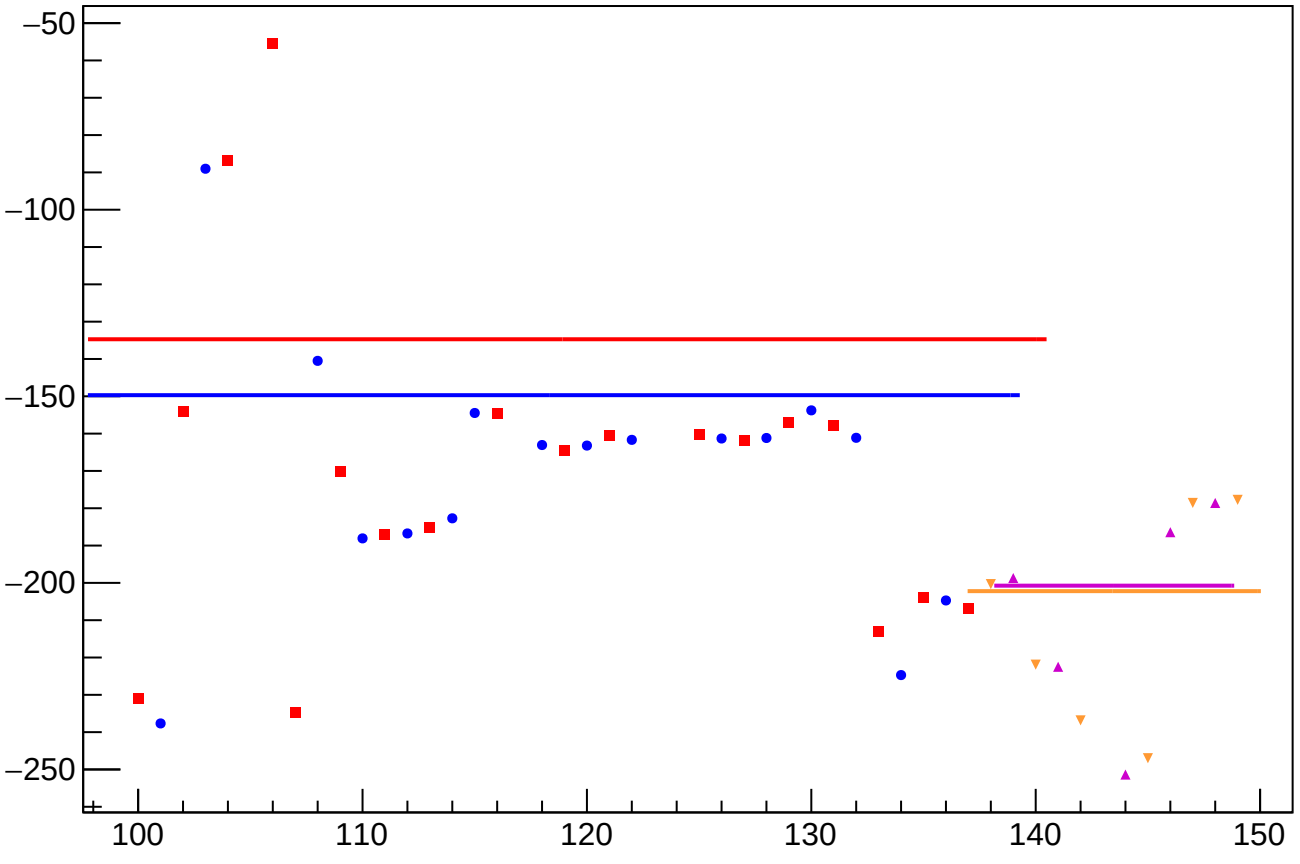
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 58.173+/-2.308 χ^2/NDF:84.6/4

+ sign 52.323+/-1.428 χ^2/NDF: 360.6/21

All: 50.726+/-1.012 χ^2/NDF: 652.8/44

- 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: -202.214+/-0.112 χ^2/NDF:53907.9/5

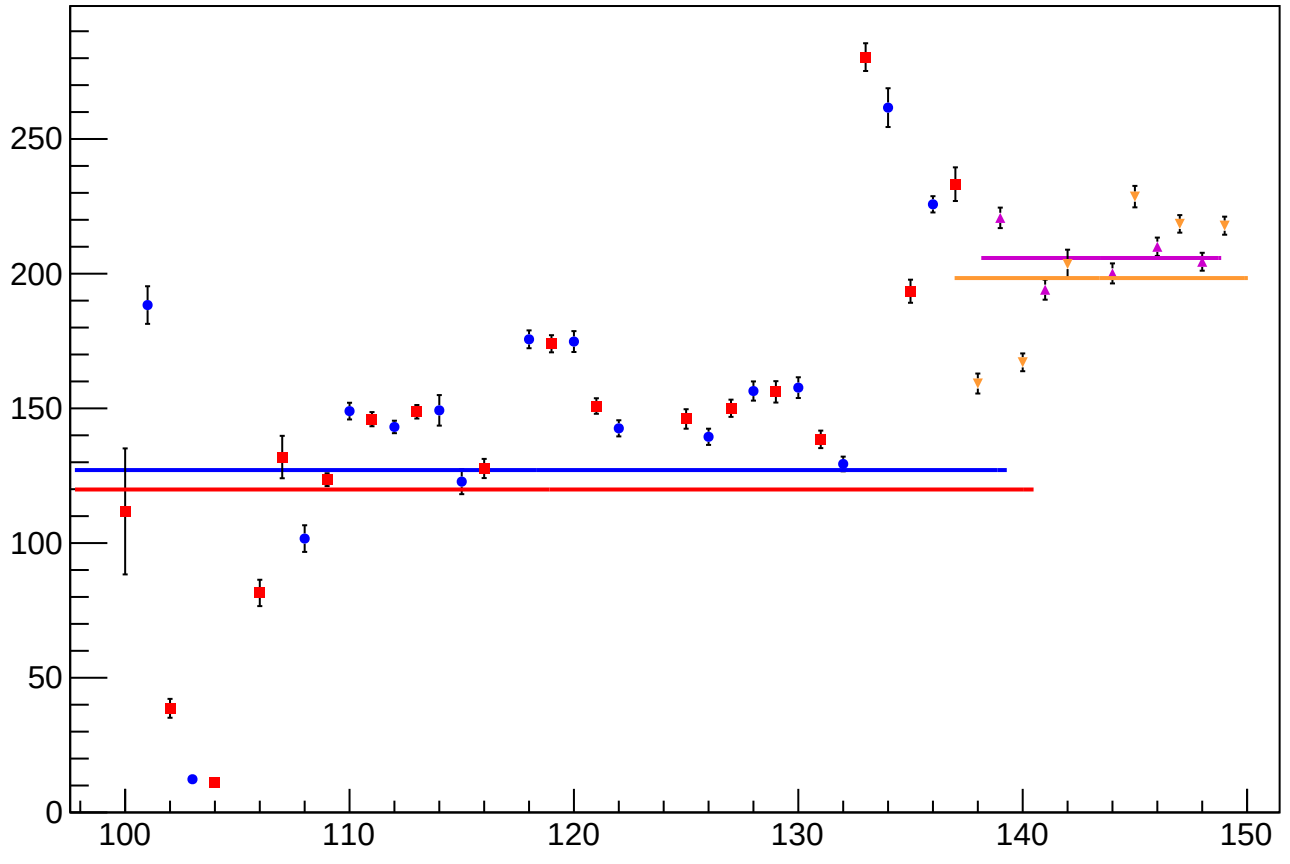
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -200.745+/-0.116 χ^2/NDF:42788.8/4

+ sign -173.146+/-0.075 χ^2/NDF: 431524.2/21

All: -167.509+/-0.053 χ^2/NDF: 989463.1/44

- 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: 198.374+/-1.498 χ^2/NDF:331.5/5

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

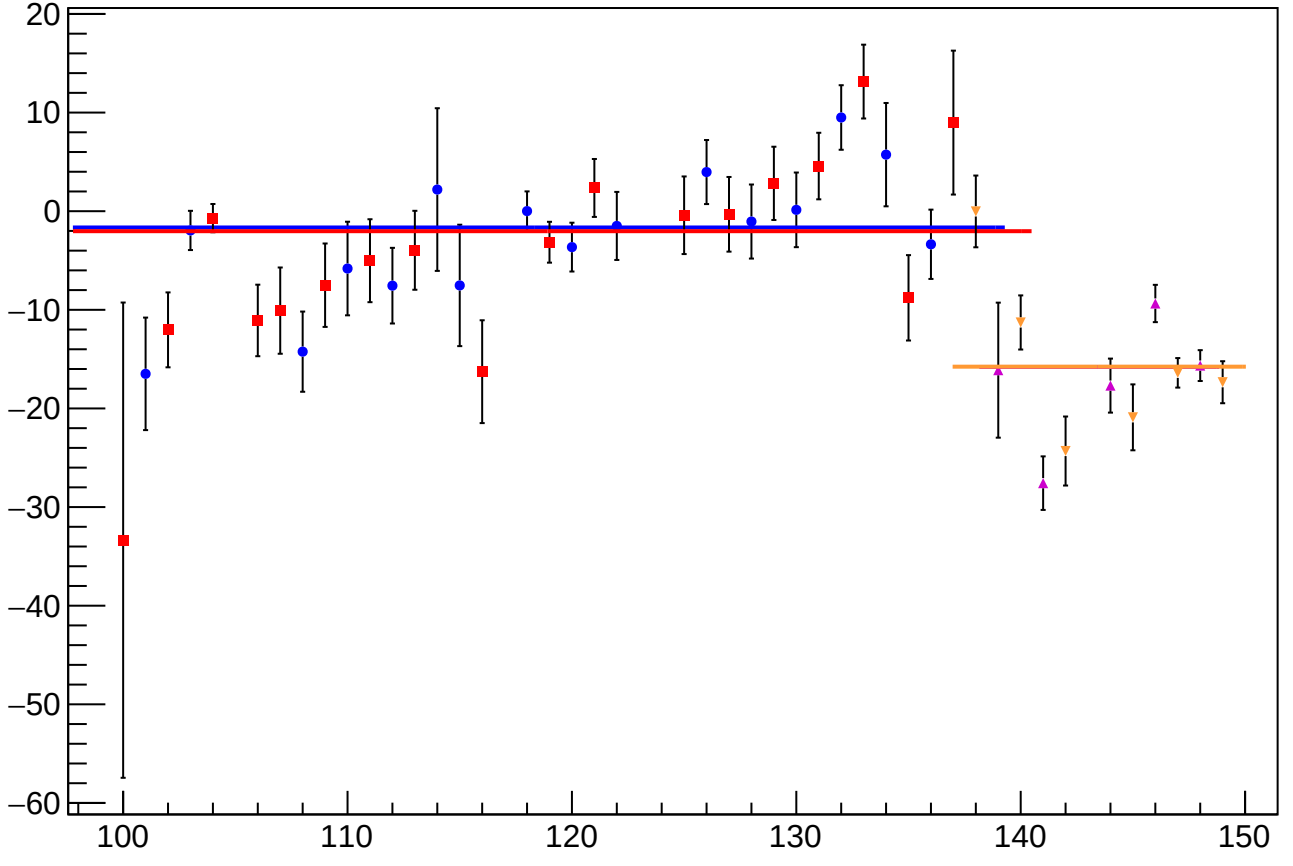
Left In: 205.824+/-1.599 χ^2/NDF:29.4/4

+ sign 143.258+/-0.713 χ^2/NDF: 8246.4/21

All: 139.655+/-0.498 χ^2/NDF: 17316.3/44

- sign 136.214+/-0.697 χ^2/NDF: 9019.9/22

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -15.765+/-0.978 χ^2/NDF:30.5/5

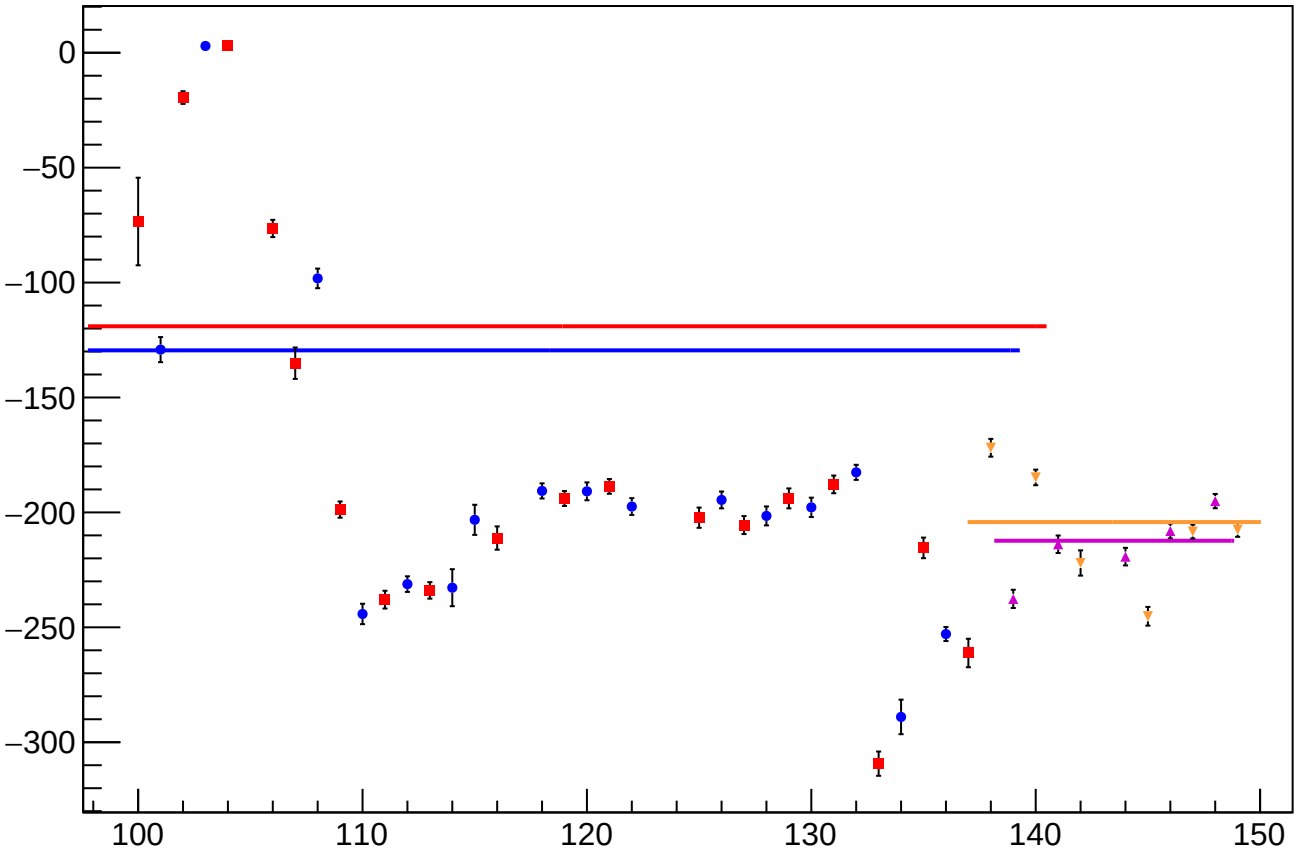
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -15.795+/-1.011 χ^2/NDF:30.9/4

+ sign -7.586+/-0.634 χ^2/NDF: 190.3/21

All: -7.326+/-0.441 χ^2/NDF: 397.5/44

- 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: -204.201+/-1.479 χ^2/NDF:217.3/5

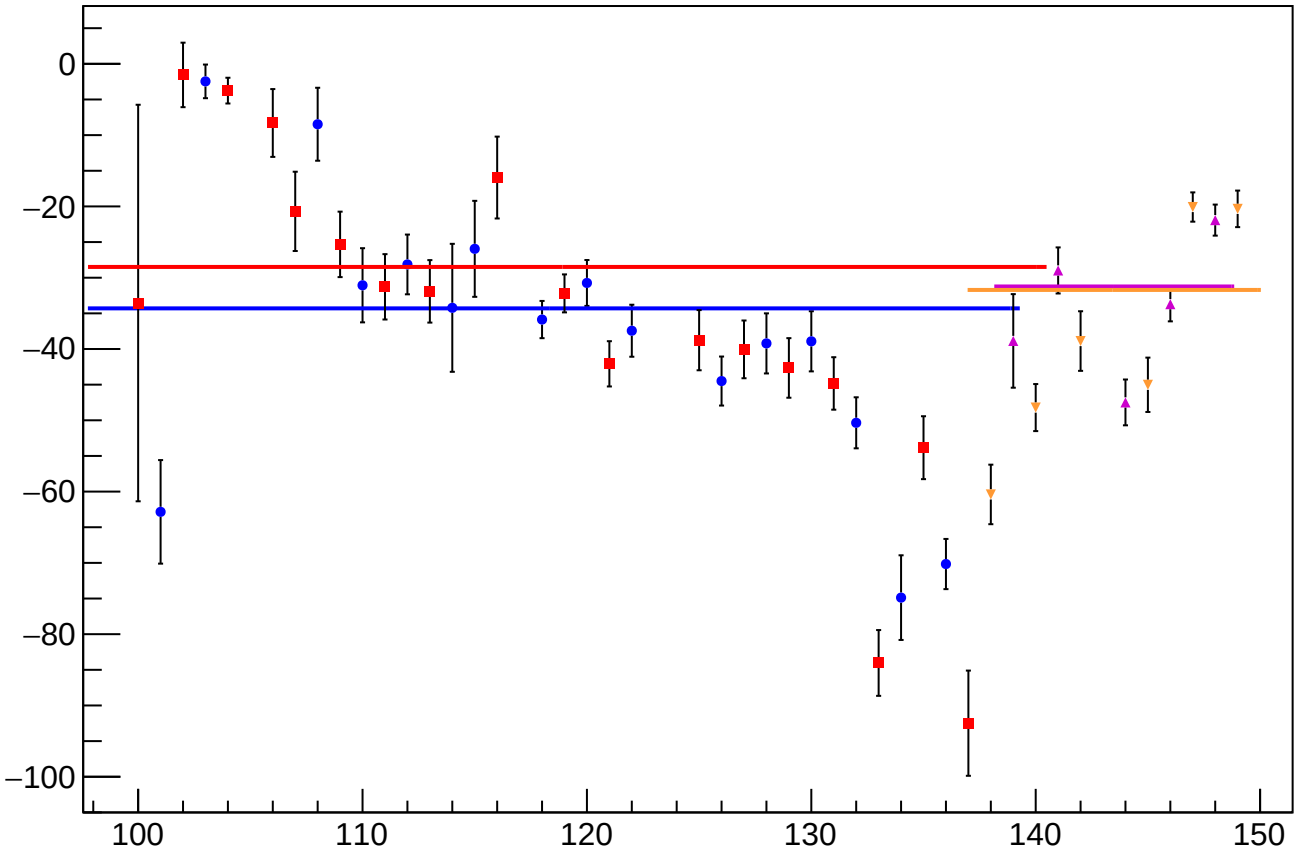
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -212.331+/-1.583 χ^2/NDF:76.6/4

+ sign -147.930+/-0.735 χ^2/NDF: 16827.3/21

All: -143.135+/-0.515 χ^2/NDF: 35914.8/44

- 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: -31.714+/-1.227 χ^2/NDF:139.1/5

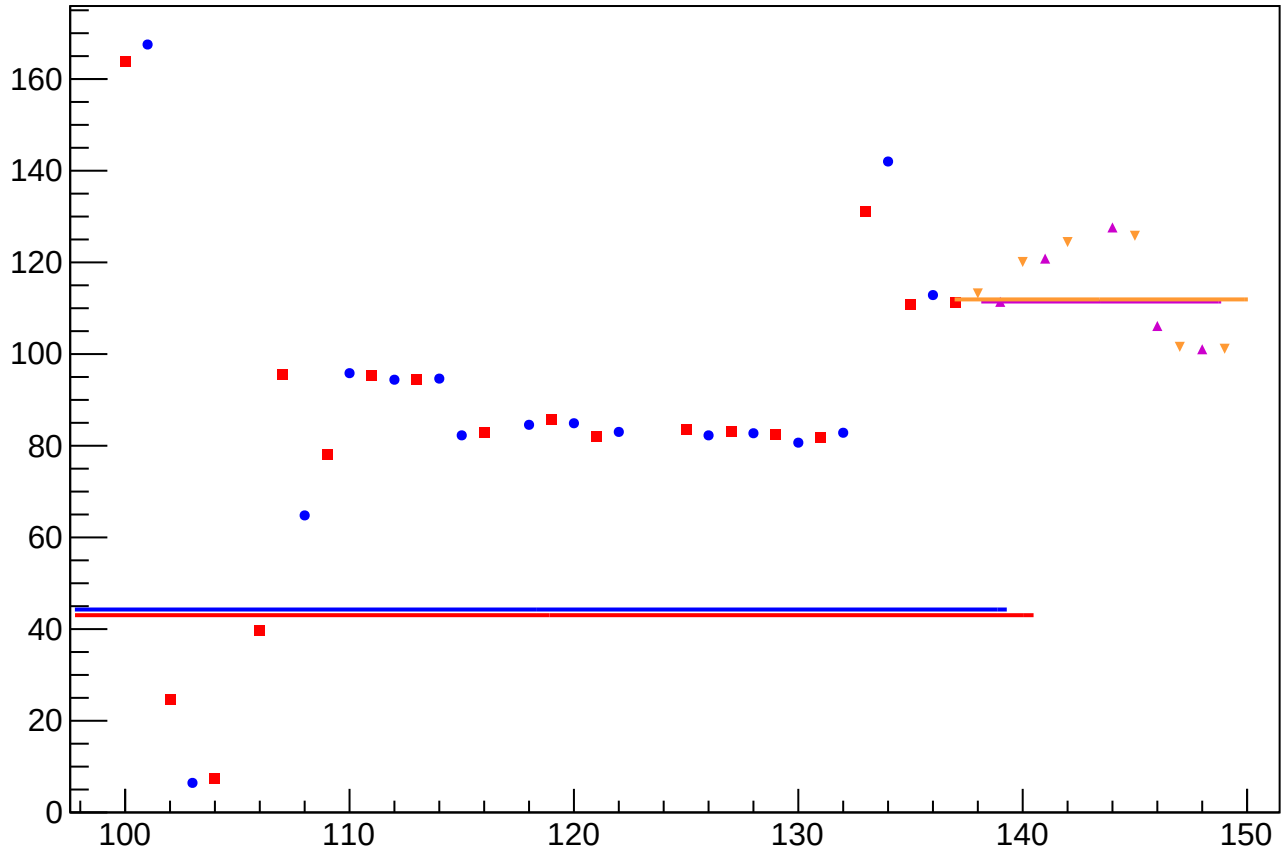
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -31.230+/-1.292 χ^2/NDF:46.8/4

+ sign -33.308+/-0.760 χ^2/NDF: 553.1/21

All: -31.305+/-0.531 χ^2/NDF: 1184.5/44

- 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: 111.922+/-0.063 χ^2/NDF:25983.1/5

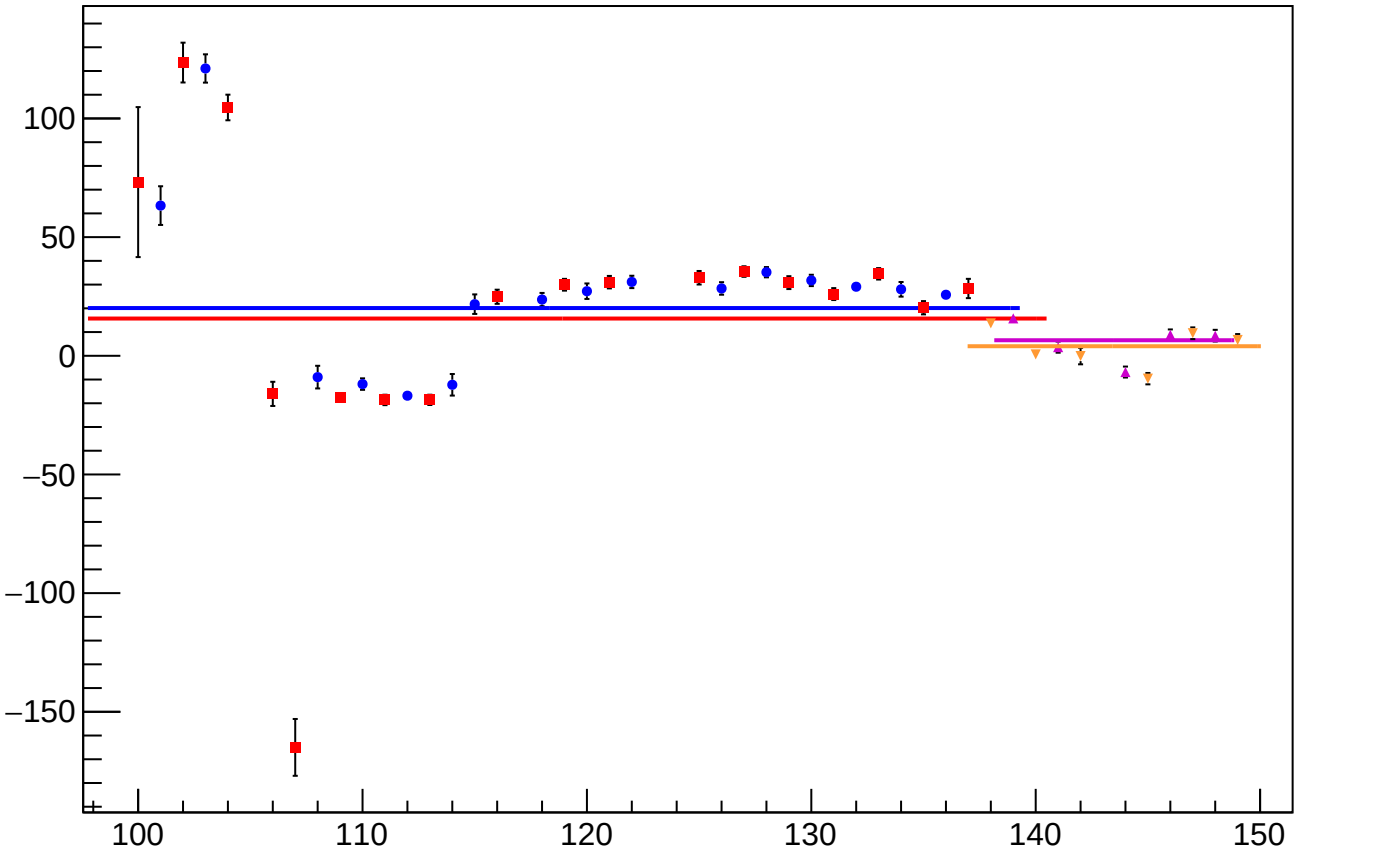
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 111.465+/-0.065 χ^2/NDF:20785.0/4

+ sign 67.288+/-0.037 χ^2/NDF: 1881873.1/21

All: 66.353+/-0.026 χ^2/NDF: 3463519.2/44

- 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: 4.030+/-0.979 χ^2/NDF:63.9/5

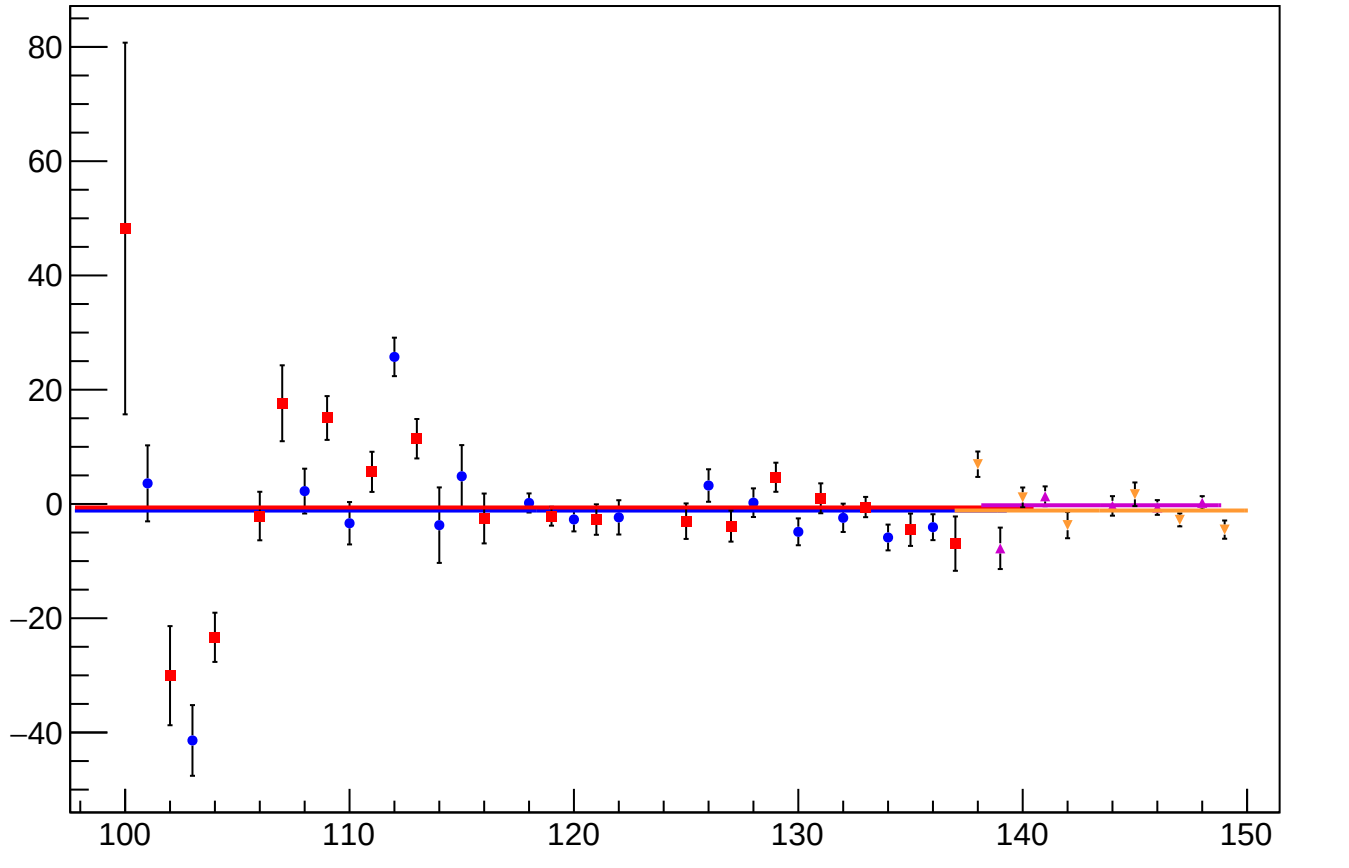
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.554+/-1.013 χ^2/NDF:57.9/4

\+ sign 14.812+/-0.562 χ^2/NDF: 1292.8/21

All: 13.836+/-0.399 χ^2/NDF: 3186.7/44

\- 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: -1.146+/-0.687 χ^2/NDF:24.6/5

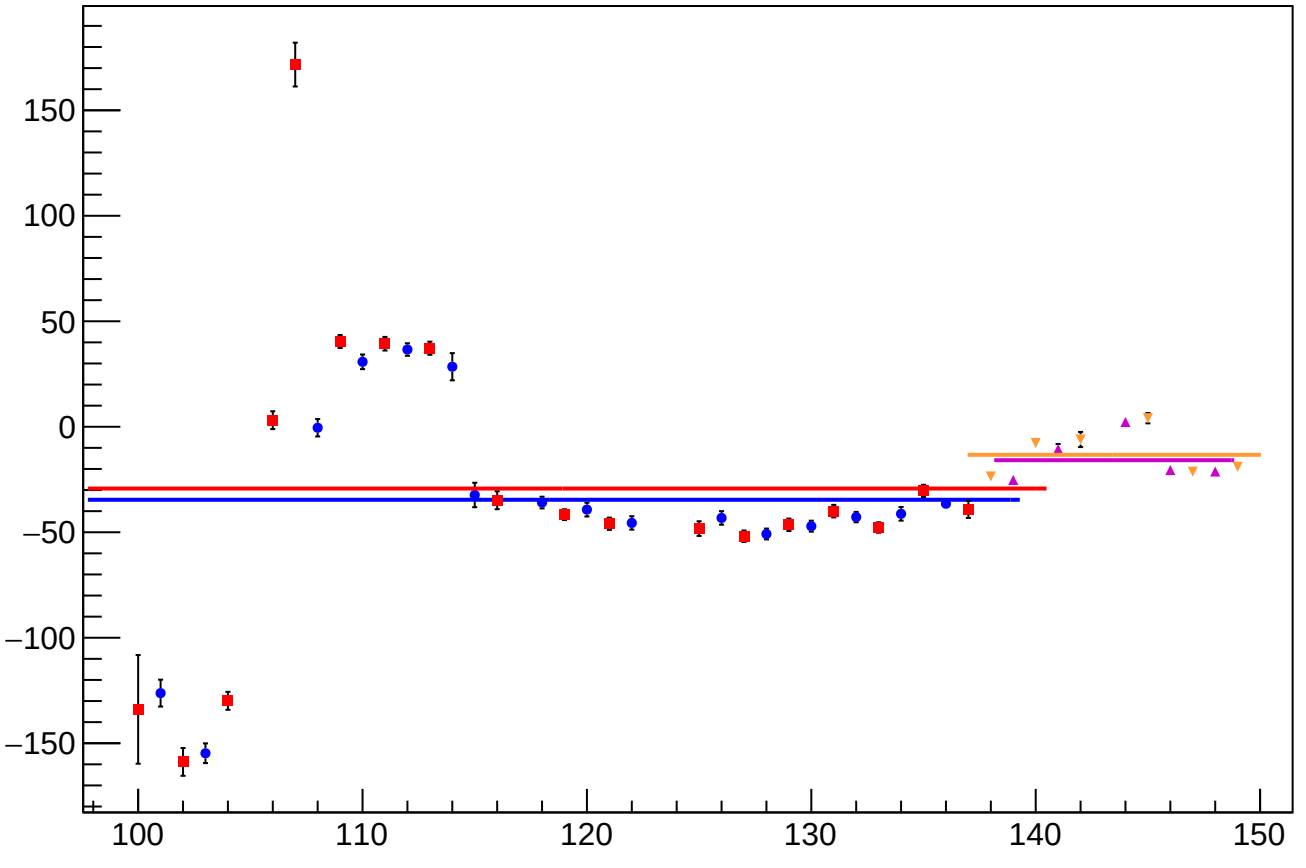
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.227+/-0.692 χ^2/NDF:5.4/4

+ sign -1.148+/-0.490 χ^2/NDF: 146.4/21

All: -0.787+/-0.349 χ^2/NDF: 246.4/44

- 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: -13.295+/-0.977 χ^2/NDF:101.6/5

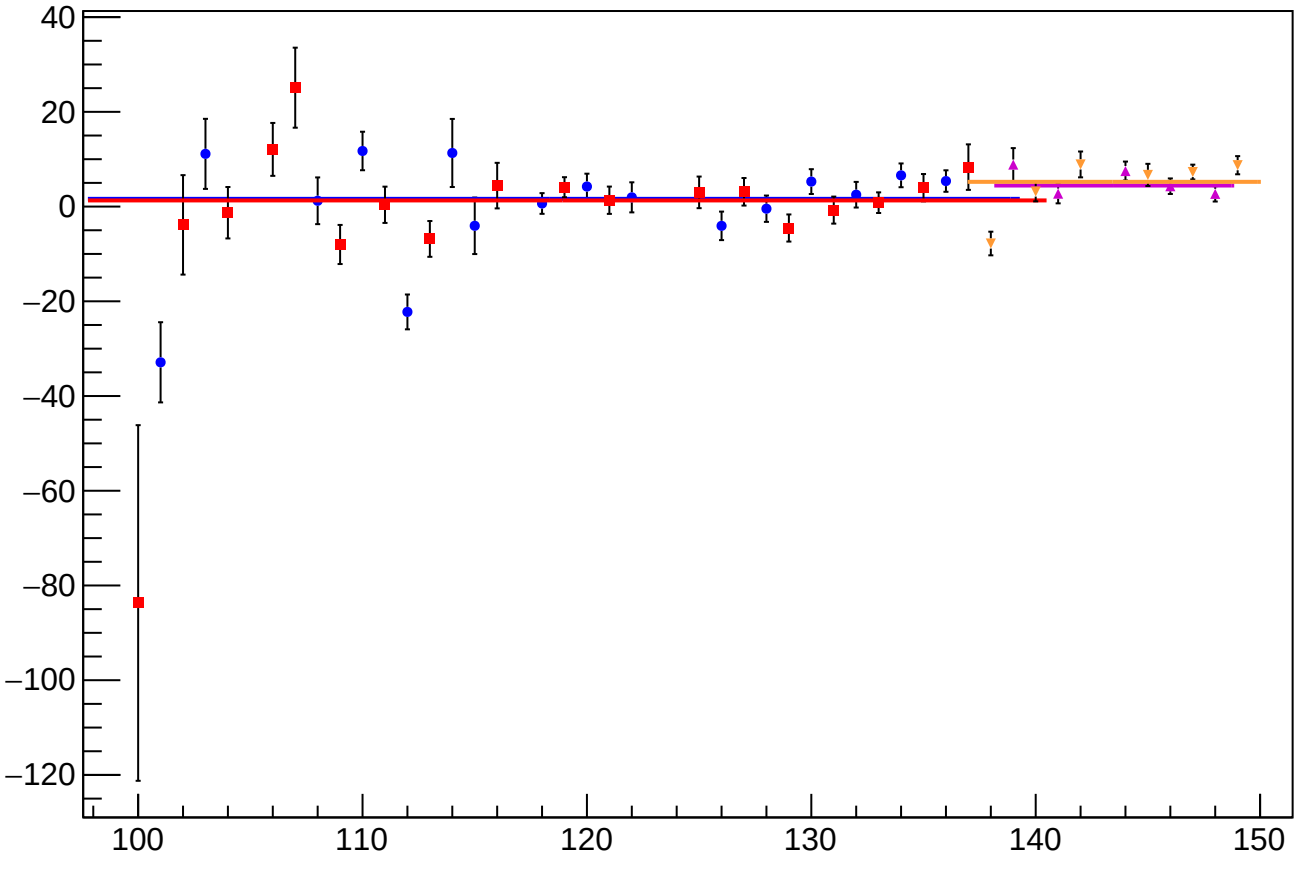
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -15.847+/-1.013 χ^2/NDF:92.8/4

+ sign -26.227+/-0.613 χ^2/NDF: 2448.6/21

All: -25.199+/-0.438 χ^2/NDF: 5736.6/44

- 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: 5.223+/-0.848 χ^2/NDF:35.5/5

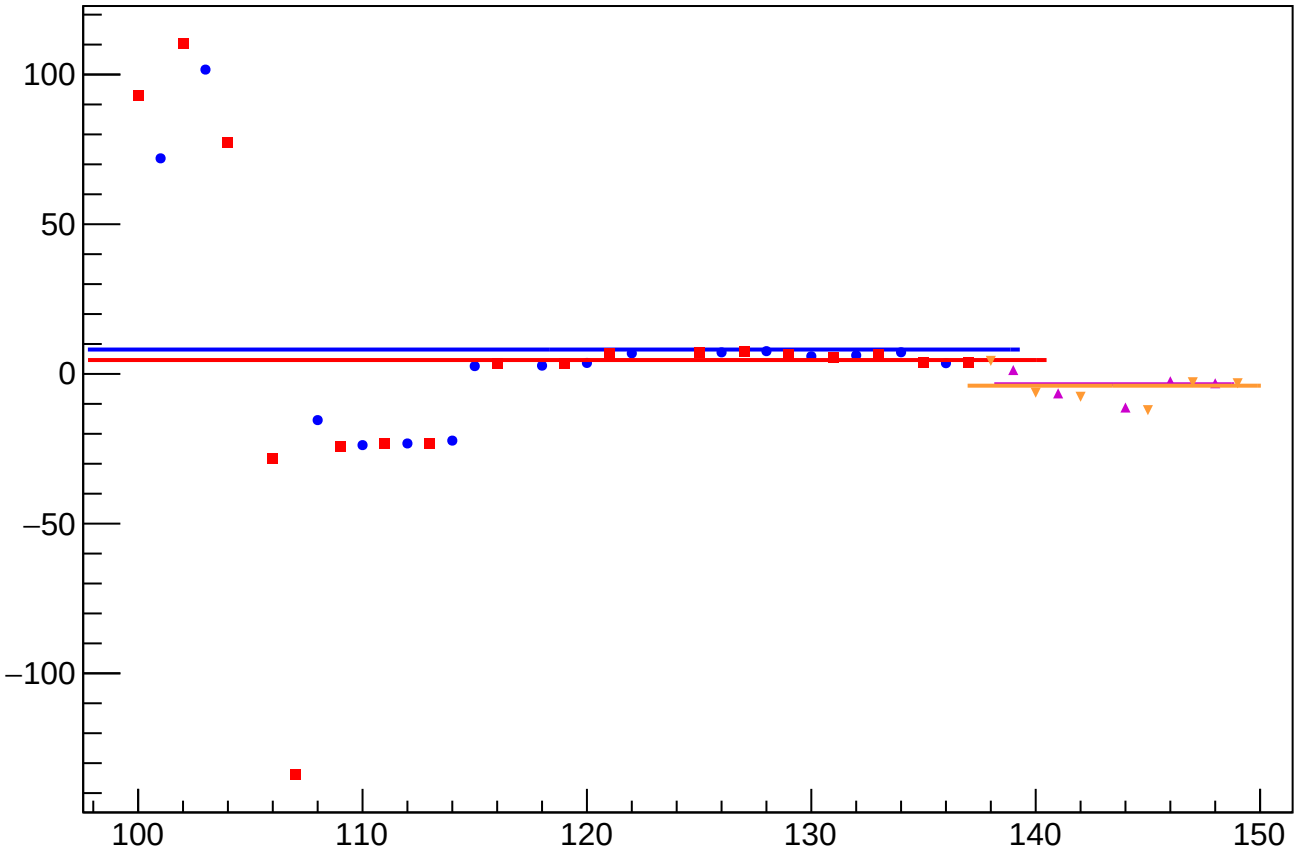
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.446+/-0.870 χ^2/NDF:5.8/4

+ sign 3.316+/-0.581 χ^2/NDF: 128.3/21

All: 3.051+/-0.416 χ^2/NDF: 179.1/44

- 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: -3.925+/-0.041 χ^2/NDF:18008.9/5

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

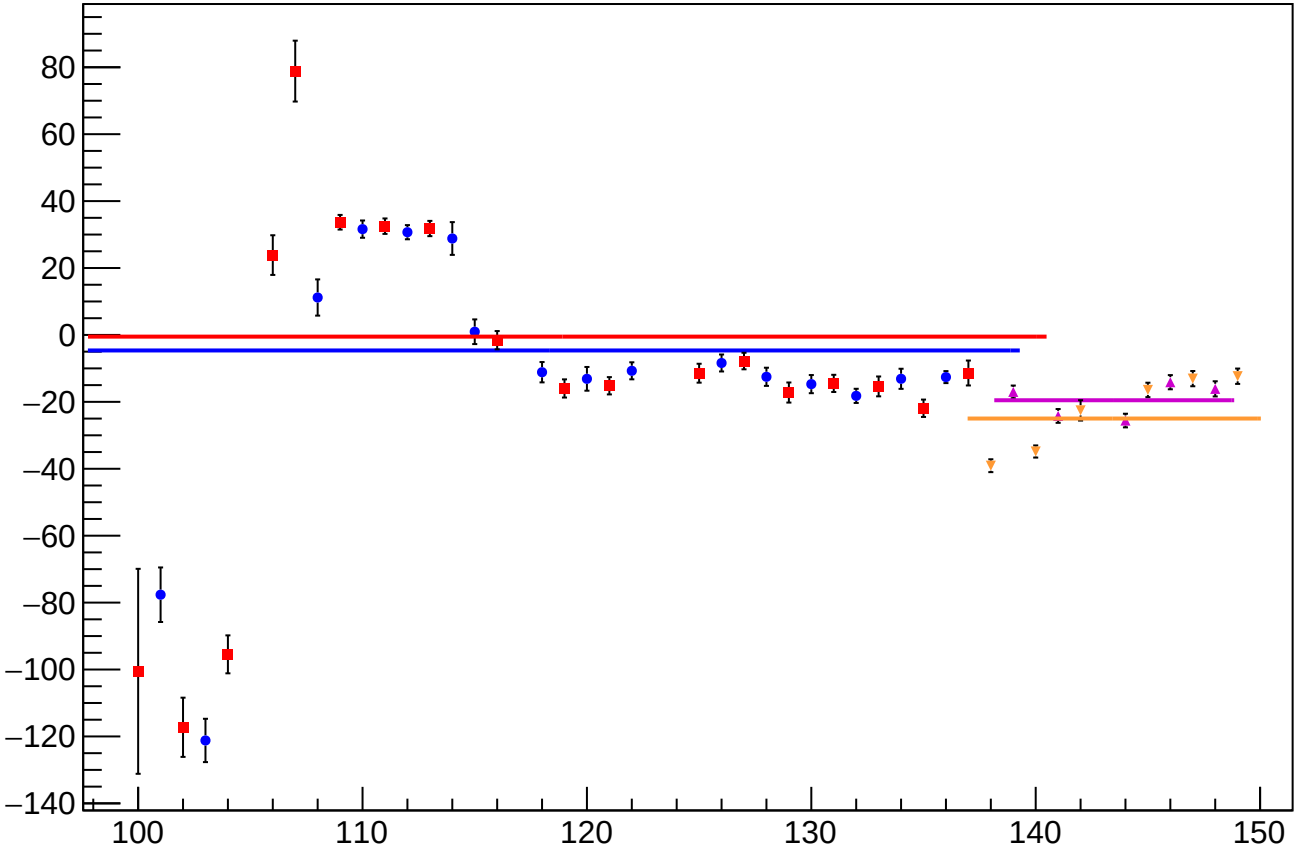
Left In: -3.455+/-0.041 χ^2/NDF:10492.2/4

+ sign 1.081+/-0.031 χ^2/NDF: 367806.3/21

All: 0.388+/-0.022 χ^2/NDF: 841220.6/44

- sign -0.345+/-0.032 χ^2/NDF: 472395.6/22

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -24.985+/-0.884 χ^2/NDF:157.3/5

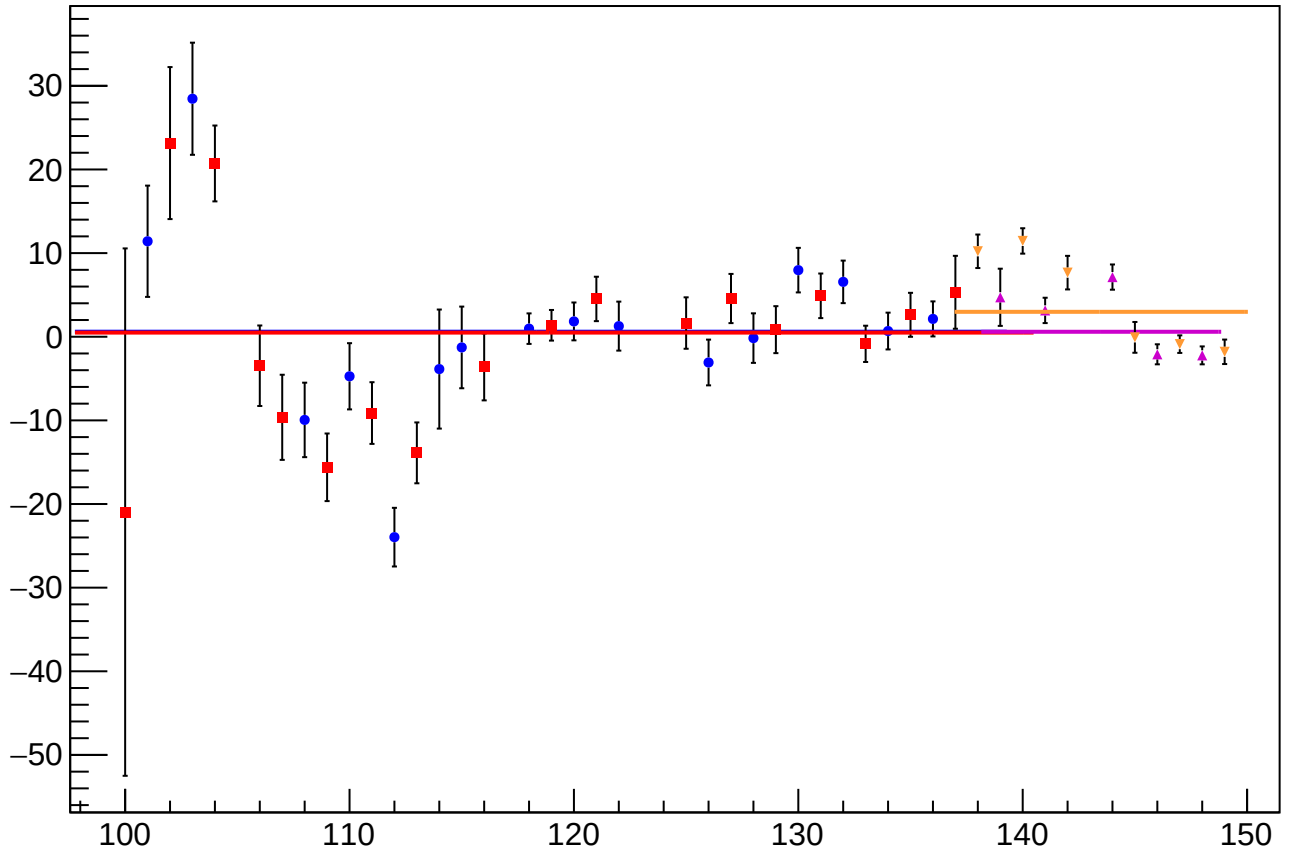
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -19.521+/-0.924 χ^2/NDF:24.5/4

+ sign -12.634+/-0.554 χ^2/NDF: 1524.7/21

All: -10.146+/-0.395 χ^2/NDF: 3314.1/44

- 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: 2.980+/-0.620 χ^2/NDF:76.6/5

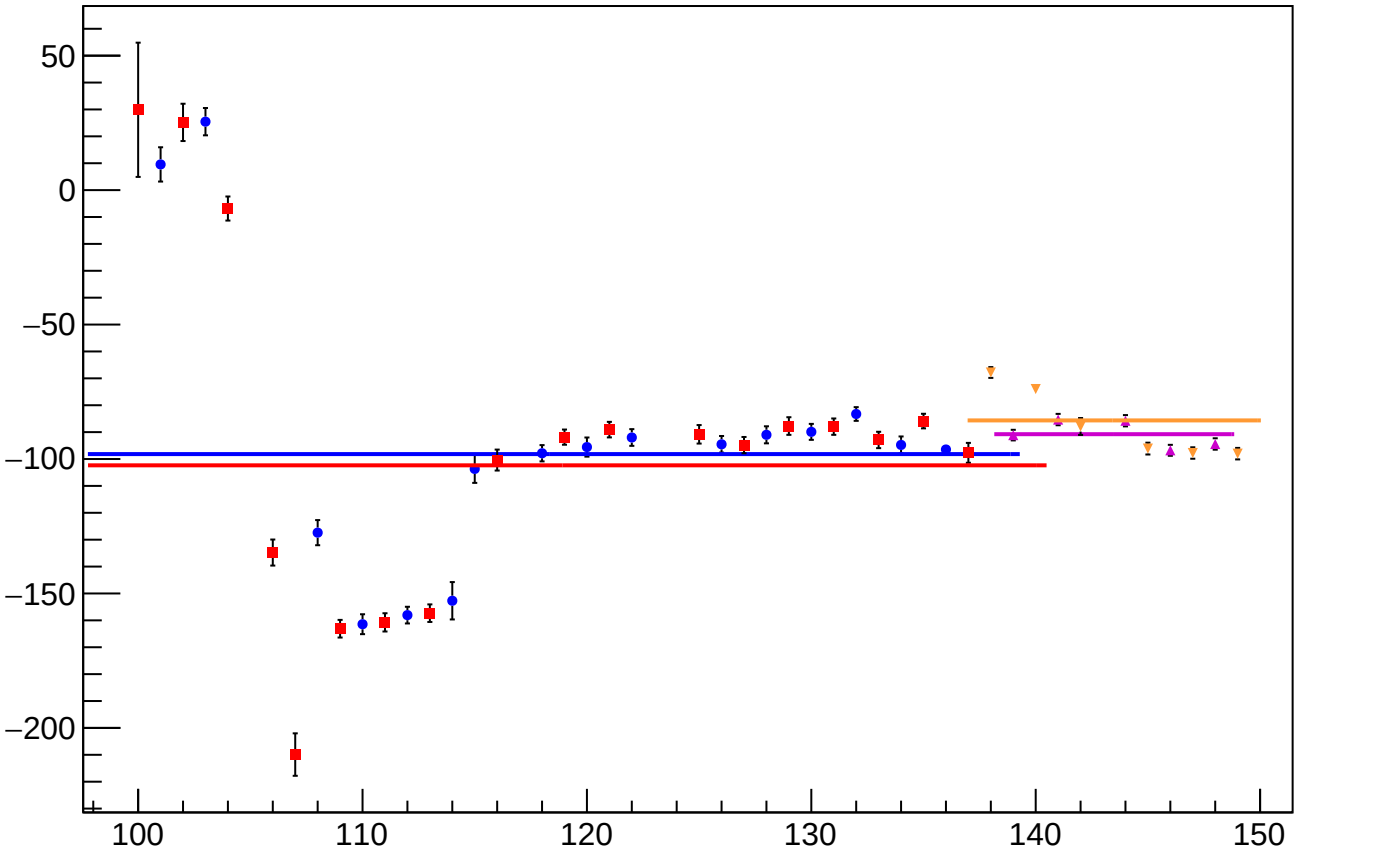
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 0.595+/-0.629 χ^2/NDF:35.1/4

+ sign 1.978+/-0.472 χ^2/NDF: 175.7/21

All: 1.283+/-0.338 χ^2/NDF: 295.4/44

- 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: -85.644+/-0.884 χ^2/NDF:206.7/5

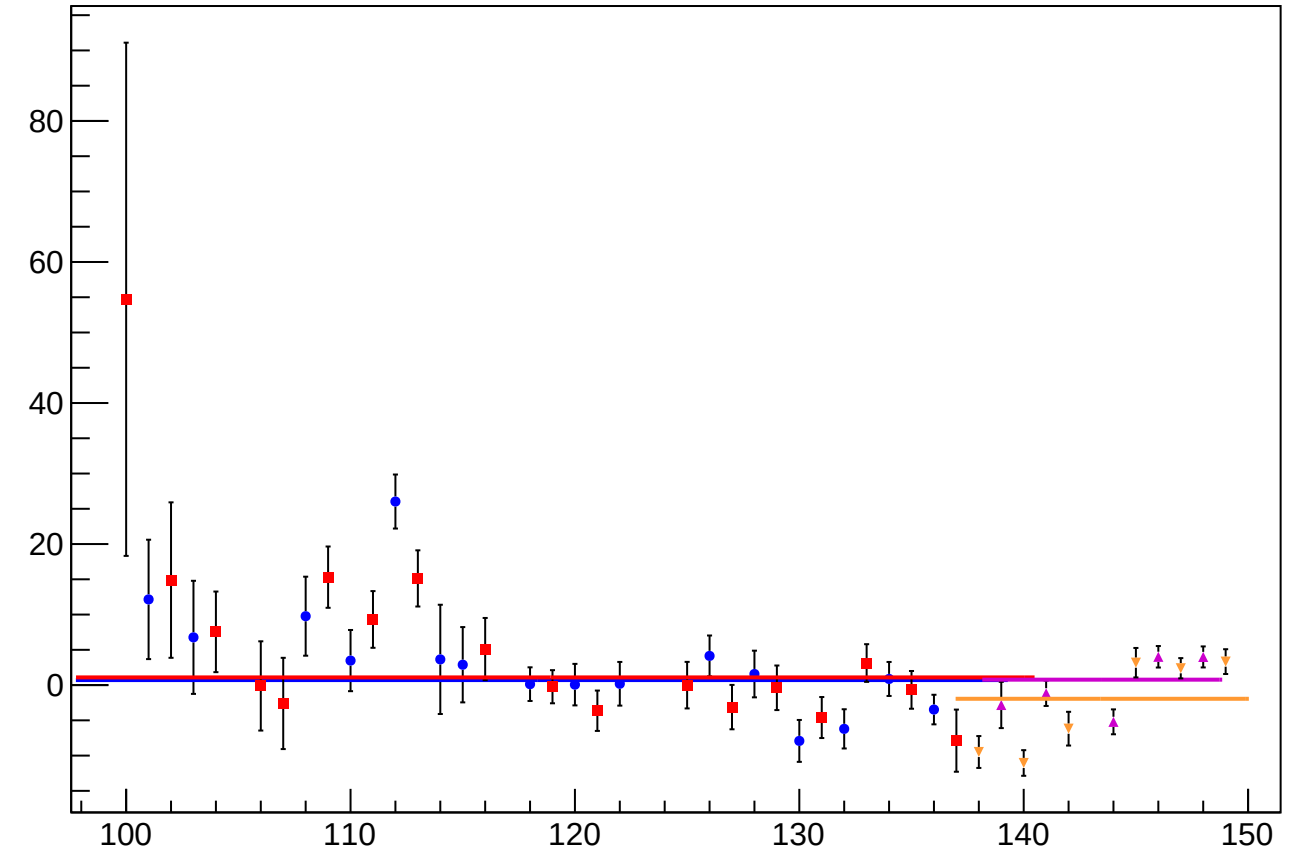
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -90.767+/-0.924 χ^2/NDF:23.9/4

+ sign -92.429+/-0.598 χ^2/NDF: 2015.4/21

All: -94.693+/-0.431 χ^2/NDF: 4273.0/44

- 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: -1.943+/-0.765 χ^2/NDF:63.4/5

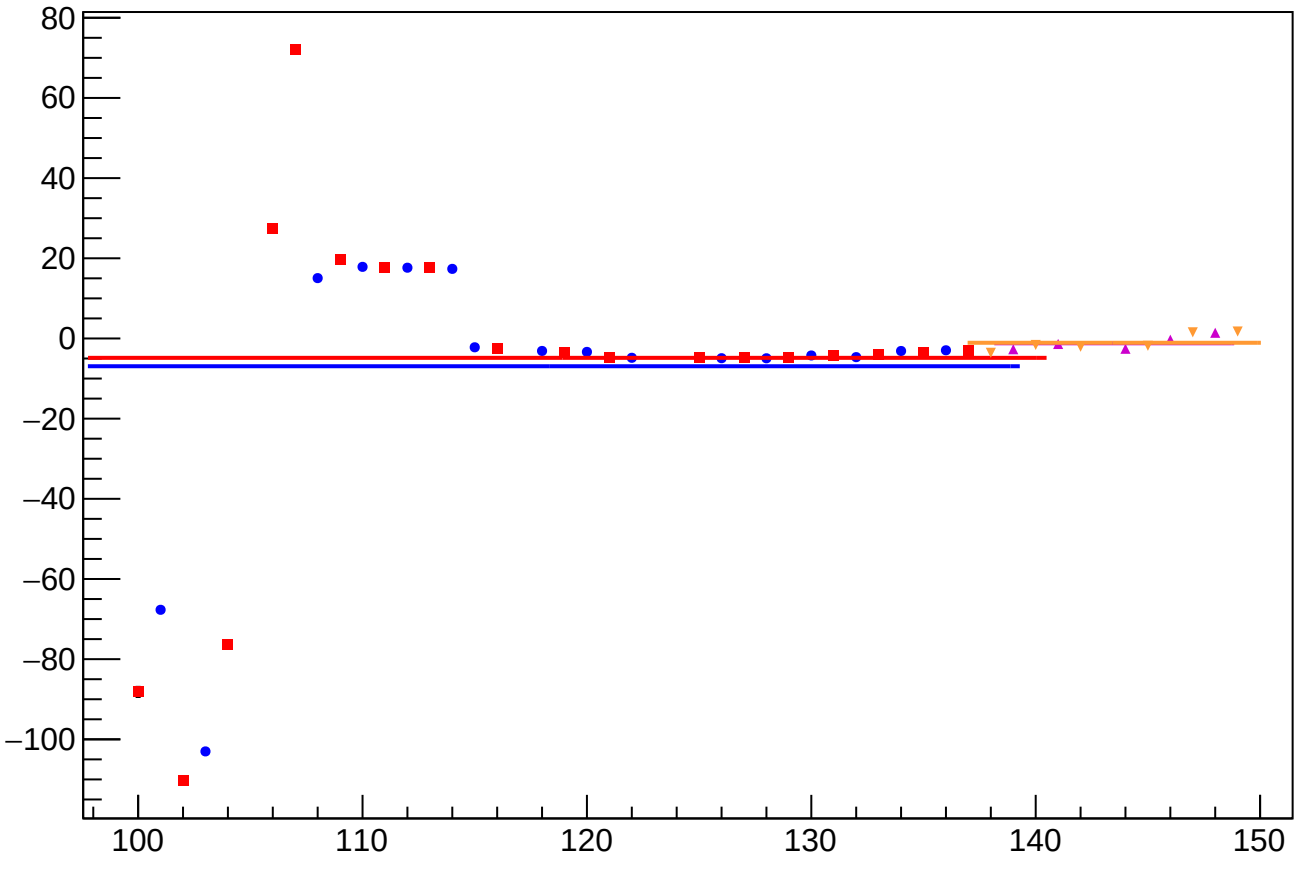
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 0.768+/-0.790 χ^2/NDF:23.0/4

\+ sign -0.710+/-0.560 χ^2/NDF: 138.6/21

All: 0.073+/-0.403 χ^2/NDF: 213.5/44

\- 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: -1.073+/-0.037 χ^2/NDF:2909.8/5

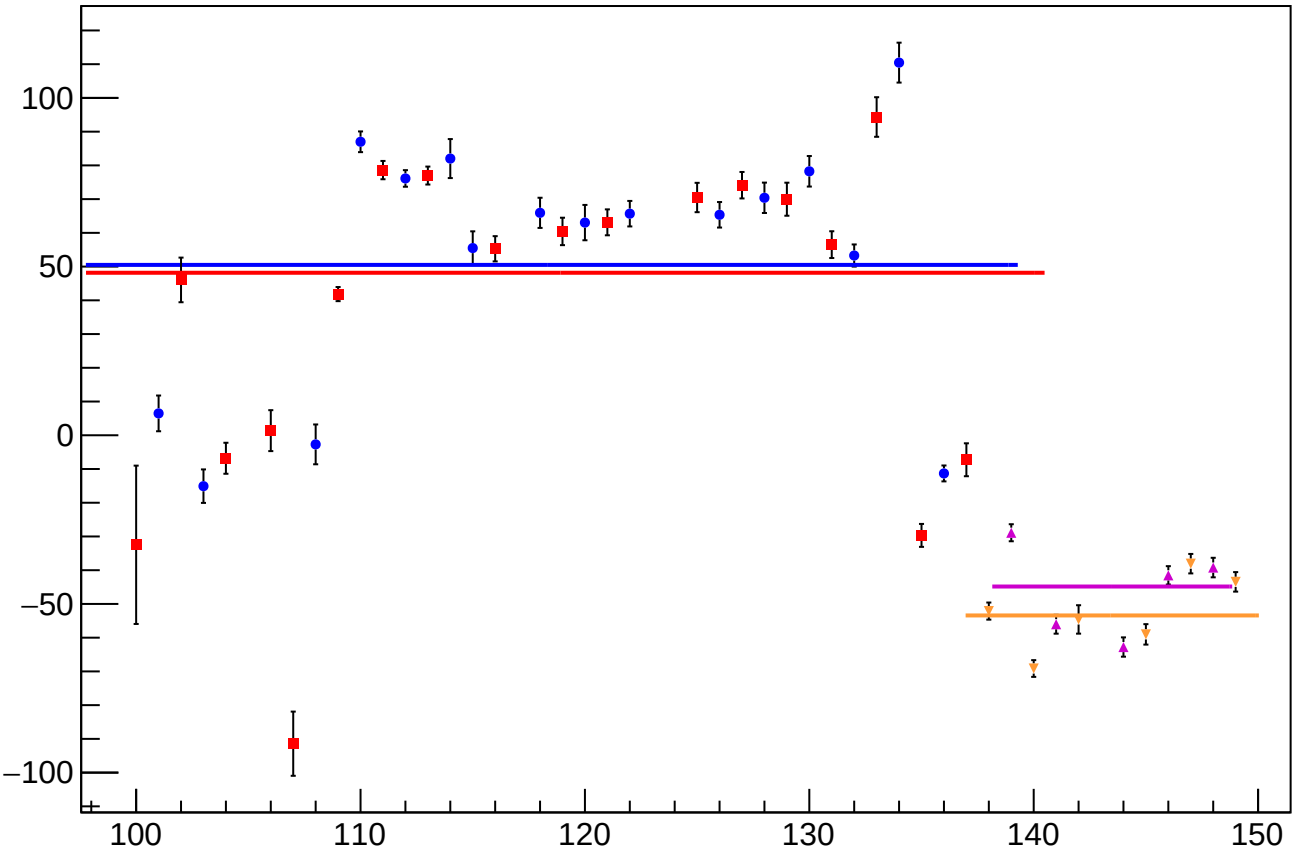
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -1.205+/-0.037 χ^2/NDF:1704.7/4

+ sign -3.218+/-0.029 χ^2/NDF: 277316.3/21

All: -2.832+/-0.021 χ^2/NDF: 621887.5/44

- sign -2.416+/-0.031 χ^2/NDF: 344212.6/22



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -53.411+/-1.176 χ^2/NDF:84.1/5

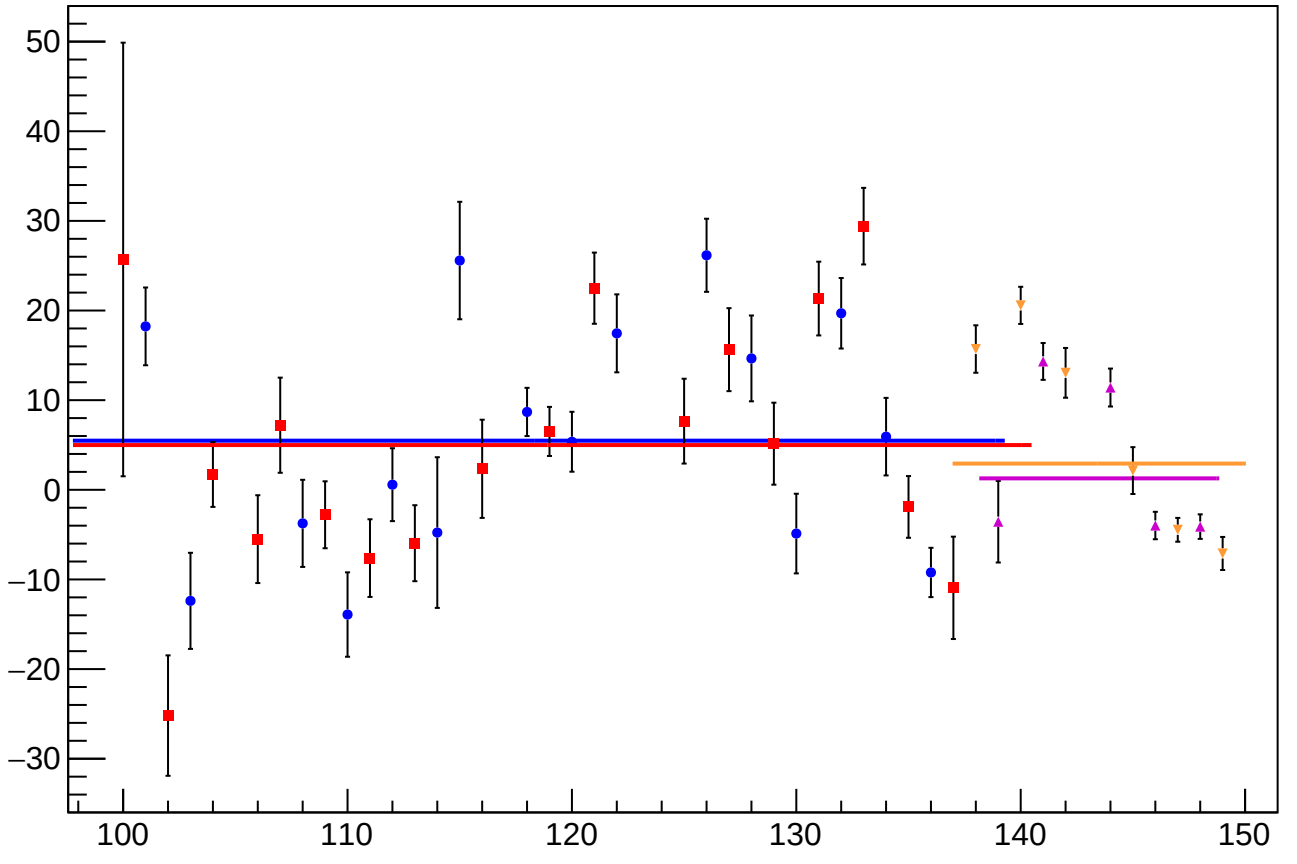
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -44.836+/-1.230 χ^2/NDF:100.4/4

+ sign 8.685+/-0.746 χ^2/NDF: 6250.8/21

All: 11.930+/-0.523 χ^2/NDF: 11591.2/44

- 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: 2.926+/-0.813 χ^2/NDF:169.7/5

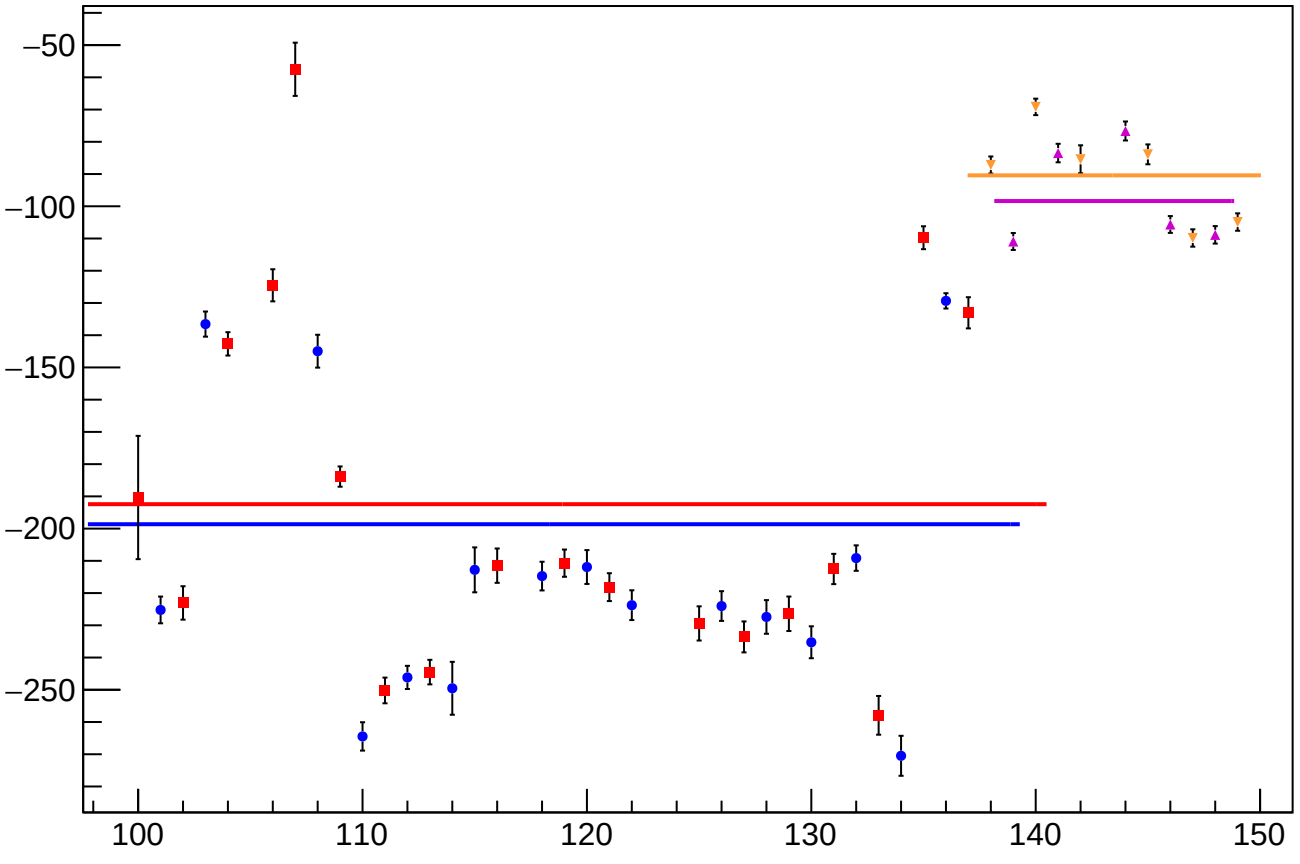
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 1.276+/-0.825 χ^2/NDF:91.6/4

+ sign 3.917+/-0.636 χ^2/NDF: 311.7/21

All: 3.335+/-0.452 χ^2/NDF: 544.9/44

- sign 2.741+/-0.642 χ^2/NDF: 231.5/22



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -90.404+/-1.171 χ^2/NDF:157.4/5

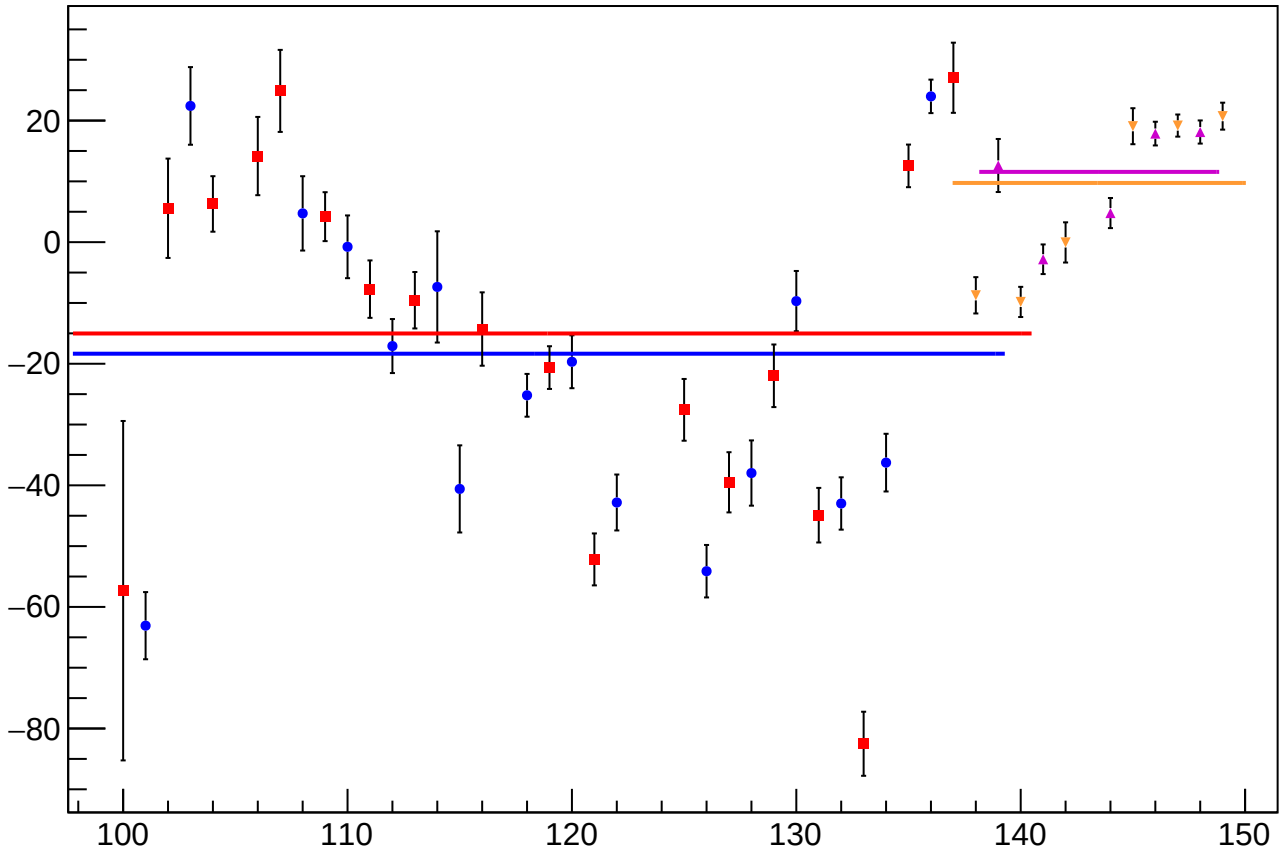
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.375+/-1.227 χ^2/NDF:126.8/4

+ sign -148.724+/-0.795 χ^2/NDF: 6762.8/21

All: -150.027+/-0.568 χ^2/NDF: 12345.4/44

- 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: 9.741+/-1.008 χ^2/NDF:170.6/5

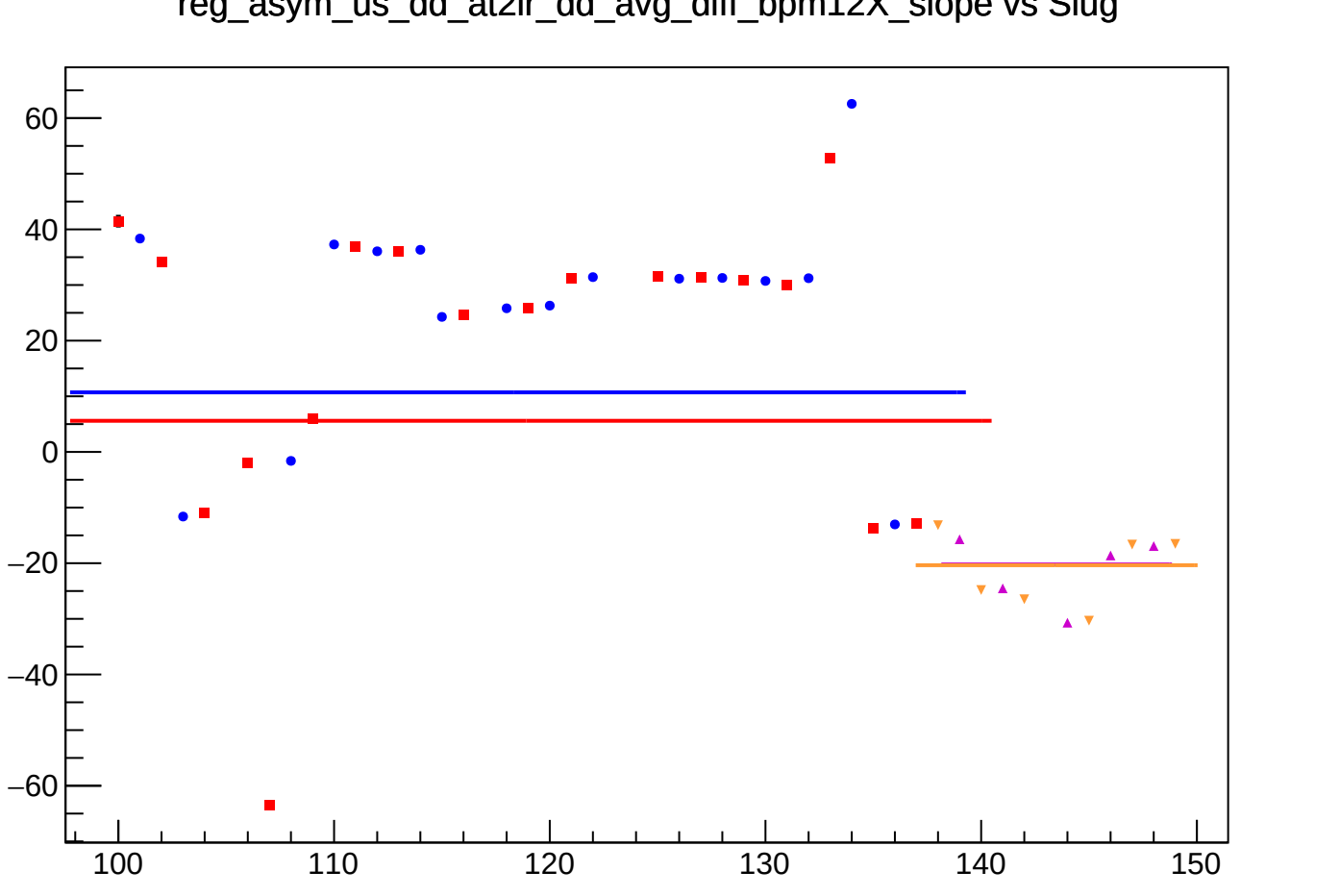
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 11.560+/-1.041 χ^2/NDF:64.6/4

\+ sign -2.345+/-0.760 χ^2/NDF: 1049.0/21

All: -1.332+/-0.543 χ^2/NDF: 1954.0/44

\- sign -0.278+/-0.775 χ^2/NDF: 901.4/22



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -20.361+/-0.049 χ^2/NDF:16308.9/5

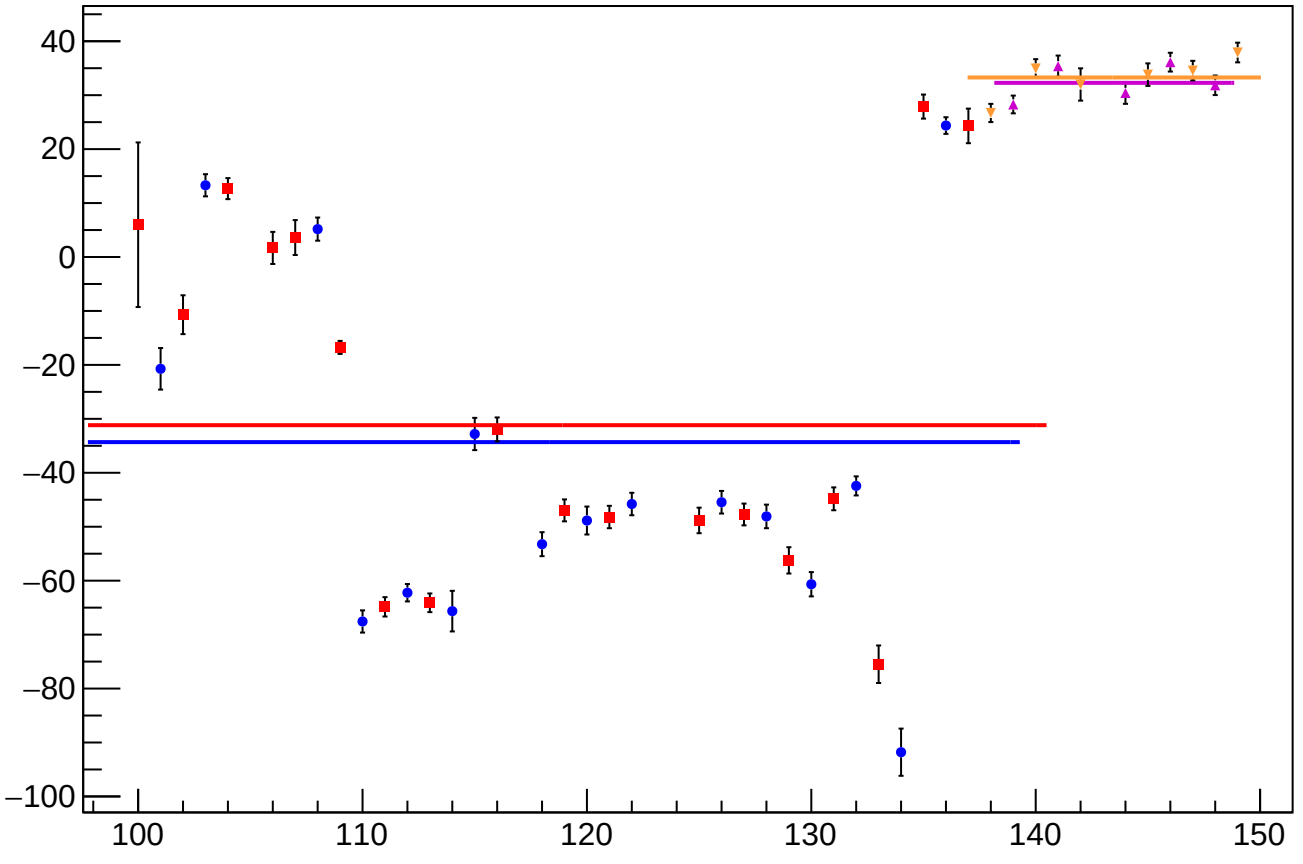
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -20.219+/-0.050 χ^2/NDF:11083.1/4

+ sign -8.638+/-0.039 χ^2/NDF: 333027.1/21

All: -9.540+/-0.027 χ^2/NDF: 602619.6/44

- sign -10.464+/-0.039 χ^2/NDF: 268489.2/22



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 33.280+/-0.784 χ^2/NDF:23.2/5

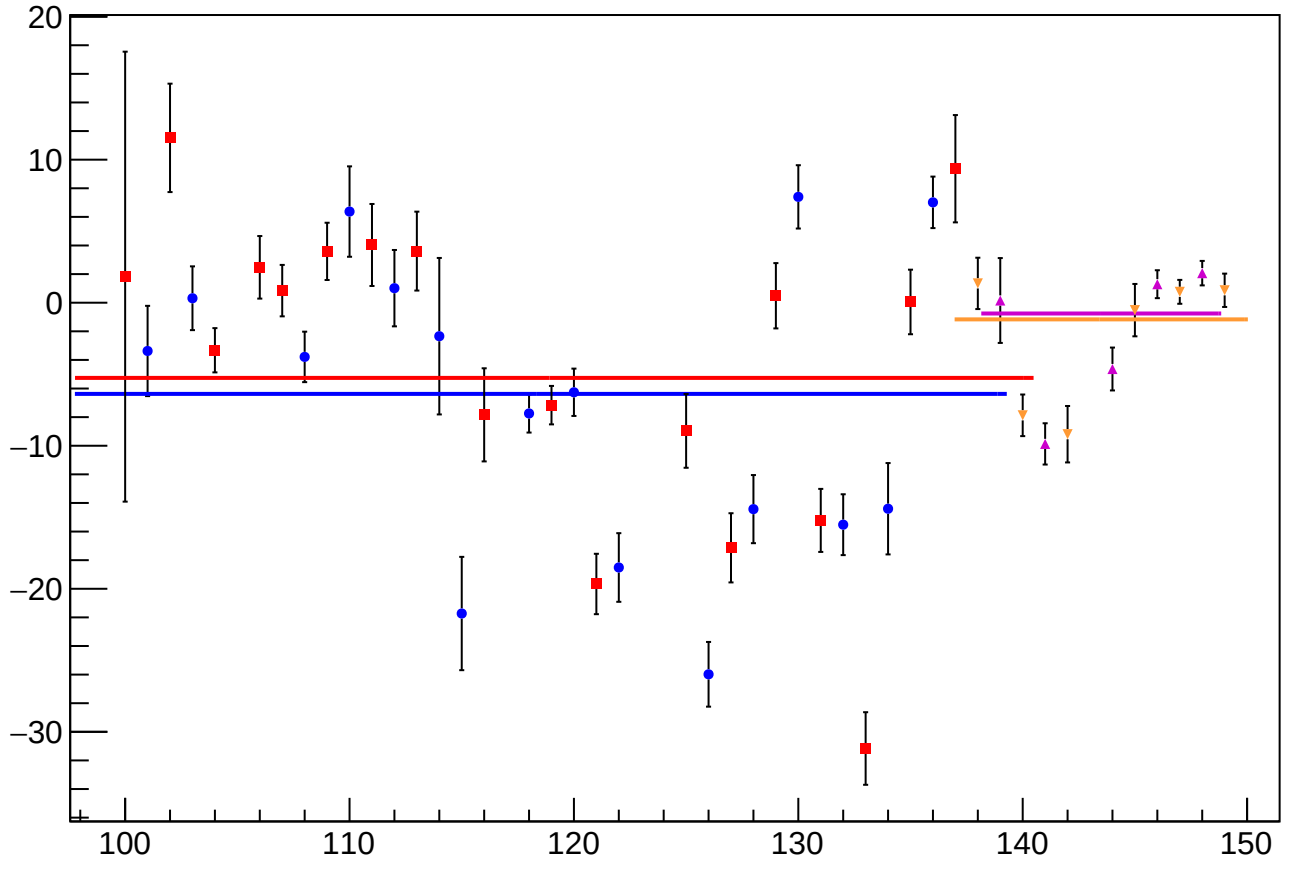
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.284+/-0.814 χ^2/NDF:14.2/4

\+ sign -12.143+/-0.449 χ^2/NDF: 8518.2/21

All: -12.591+/-0.313 χ^2/NDF: 16067.7/44

\- 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: -1.166+/-0.534 χ^2/NDF:48.3/5

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

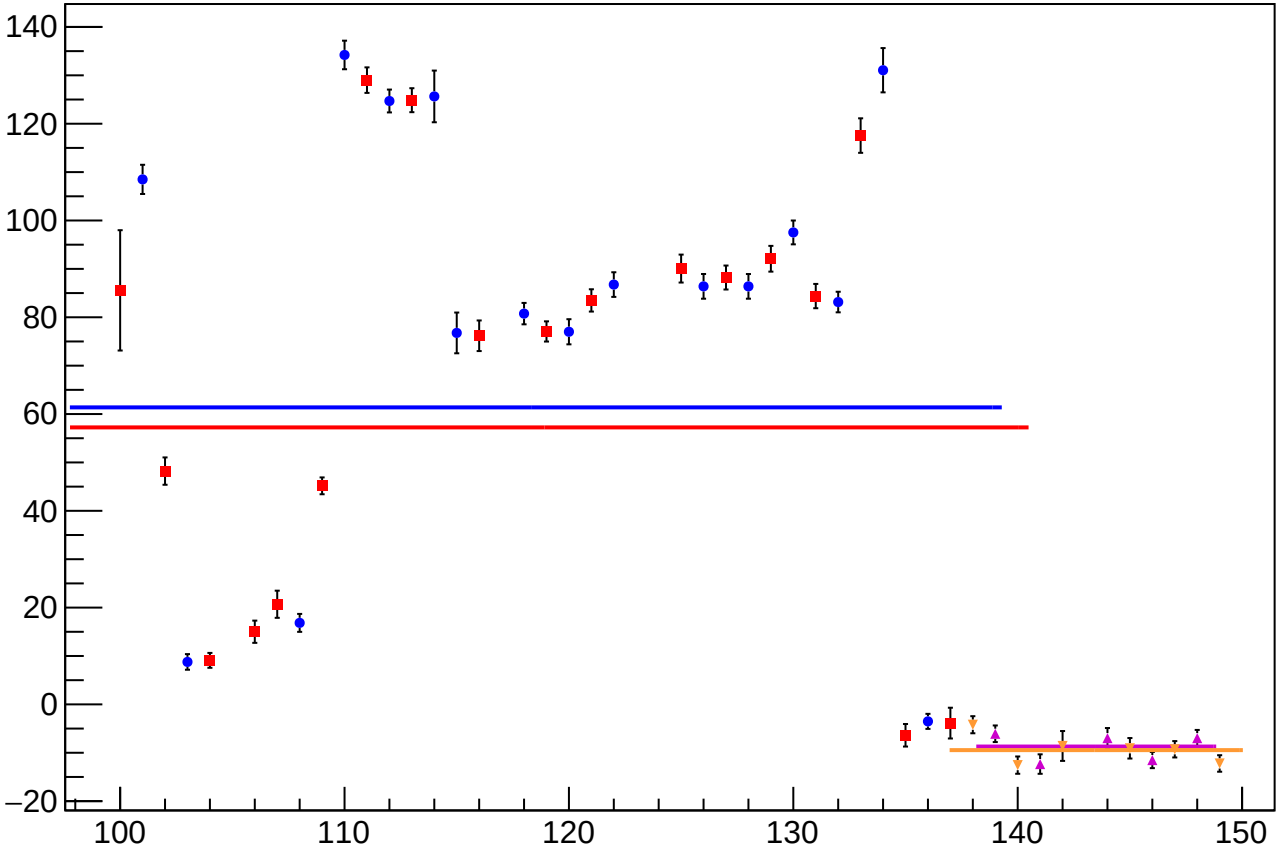
Left In: -0.754+/-0.538 χ^2/NDF:62.0/4

+ sign -3.676+/-0.384 χ^2/NDF: 377.7/21

All: -3.348+/-0.270 χ^2/NDF: 789.5/44

- 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: -9.454+/-0.777 χ^2/NDF:14.6/5

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

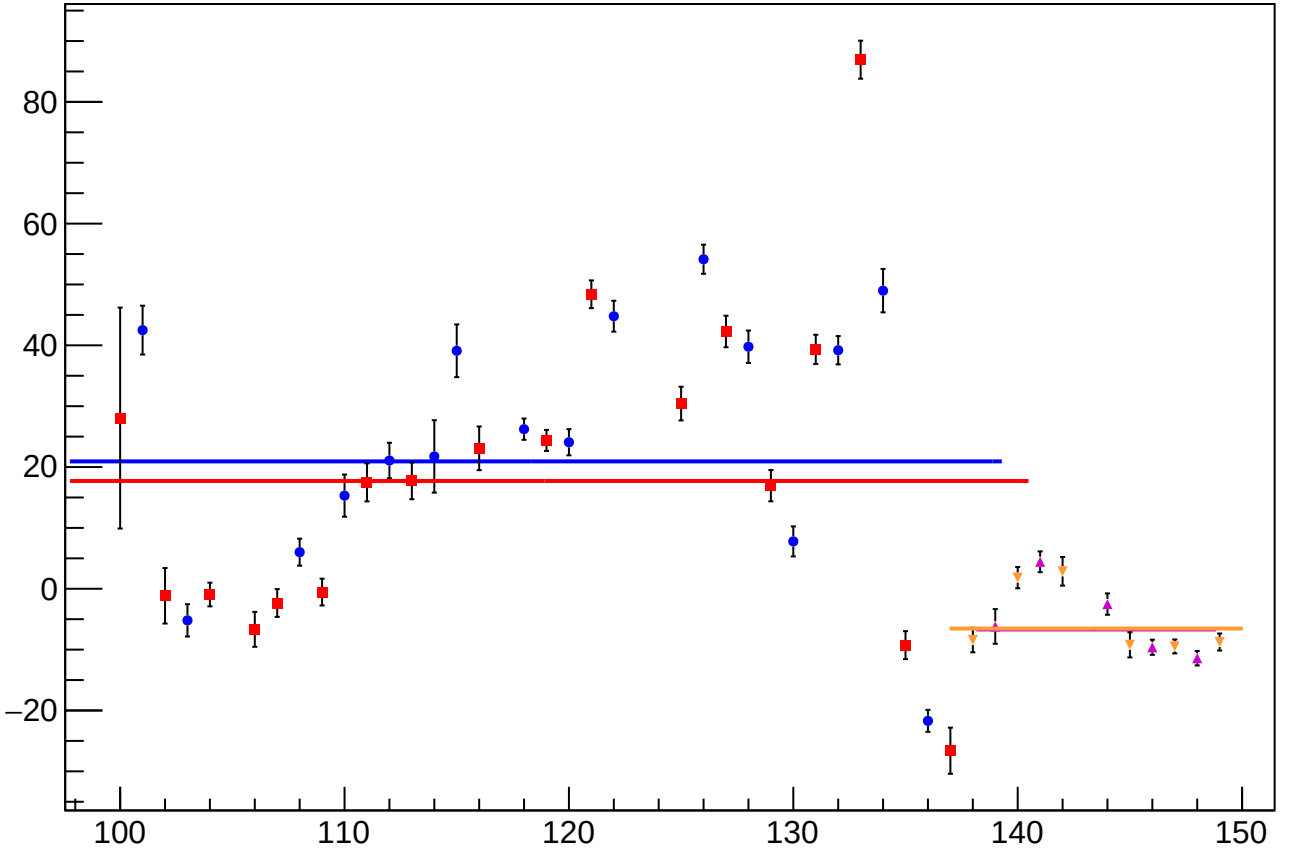
Left In: -8.714+/-0.810 χ^2/NDF:10.2/4

+ sign 35.238+/-0.472 χ^2/NDF: 11323.4/21

All: 35.057+/-0.334 χ^2/NDF: 20983.0/44

- 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: -6.536+/-0.664 χ^2/NDF:50.8/5

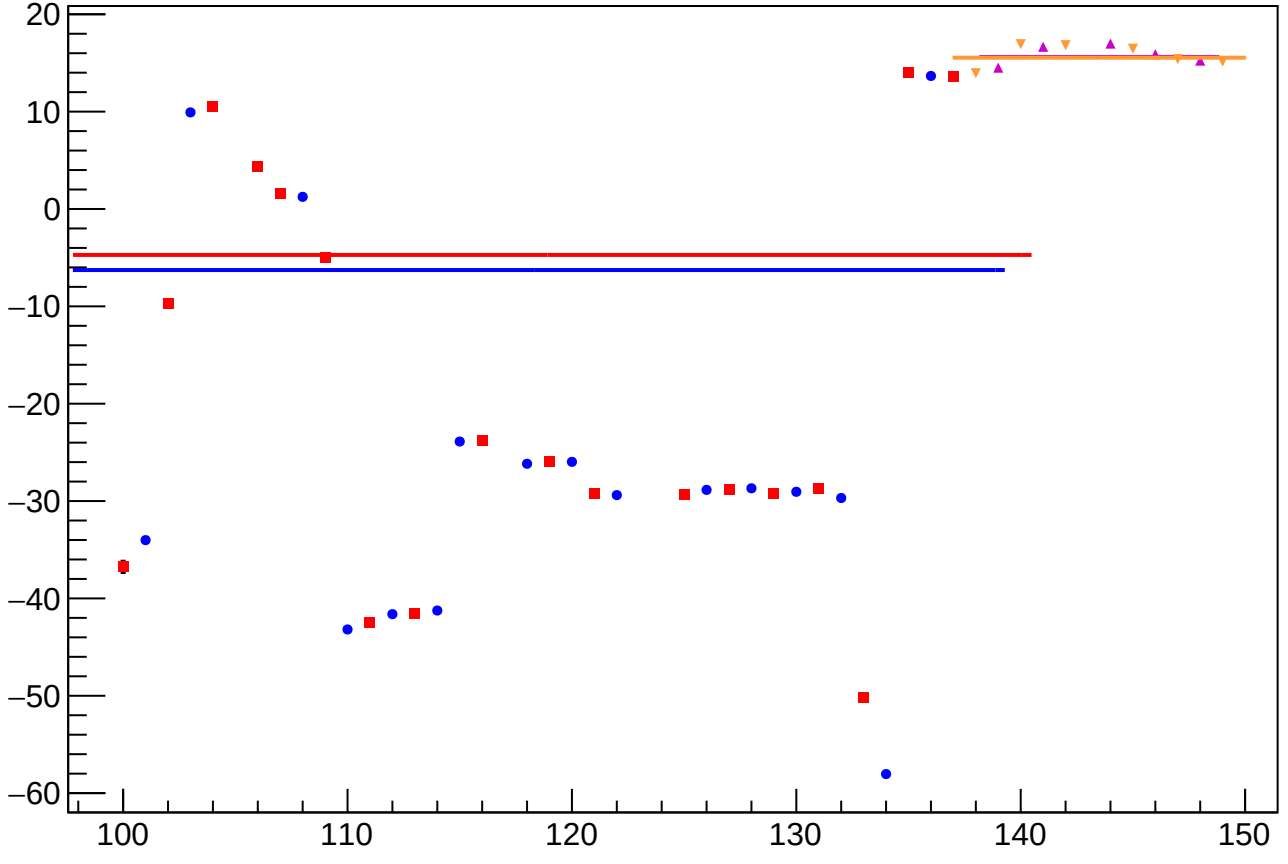
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -6.689+/-0.683 χ^2/NDF:69.3/4

+ sign 7.706+/-0.461 χ^2/NDF: 2182.6/21

All: 7.215+/-0.325 χ^2/NDF: 4437.3/44

- 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: 15.537+/-0.032 χ^2/NDF:1097.3/5

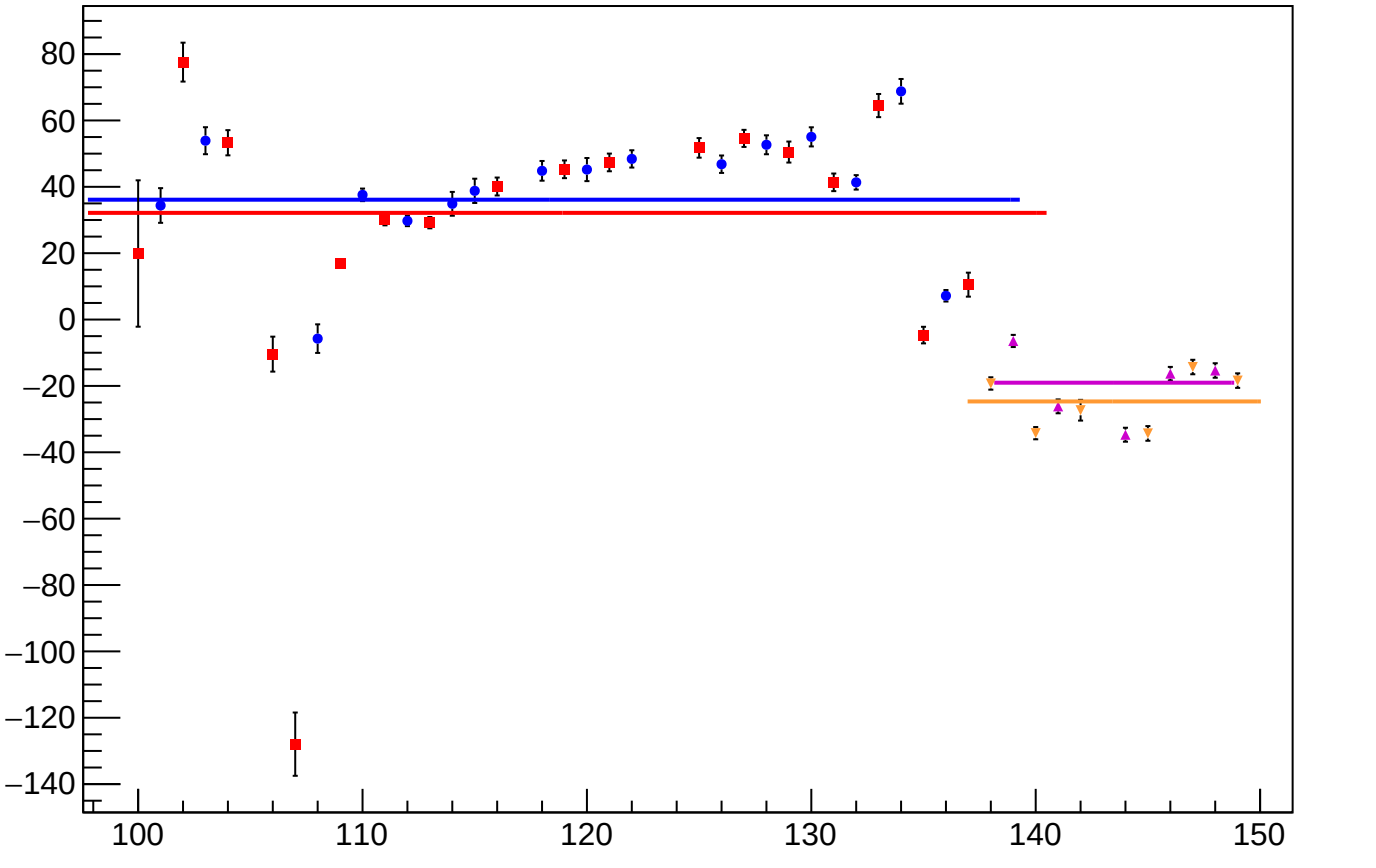
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.611+/-0.033 χ^2/NDF:747.9/4

+ sign 4.941+/-0.023 χ^2/NDF: 630535.8/21

All: 5.353+/-0.017 χ^2/NDF: 1126470.1/44

- 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: -24.679+/-0.876 χ^2/NDF:85.5/5

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

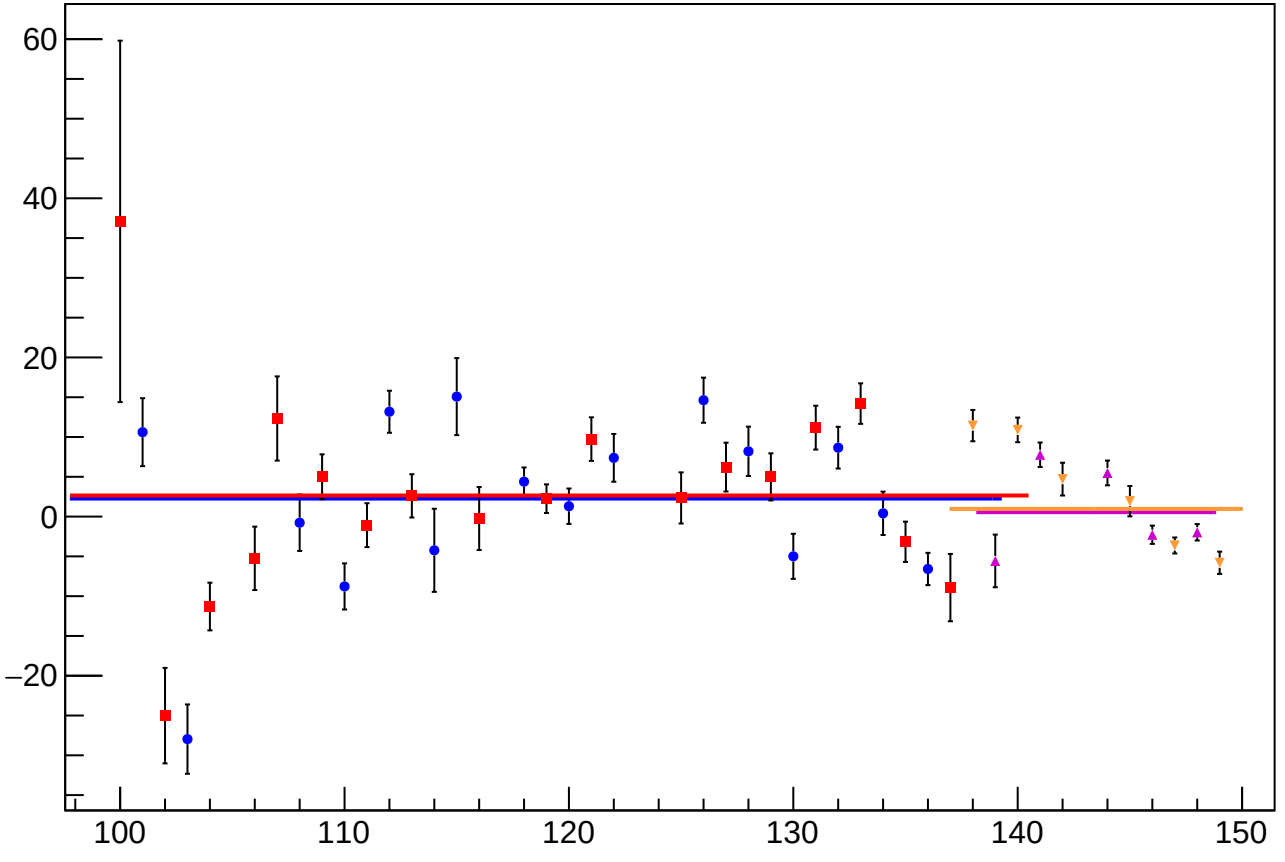
Left In: -19.032+/-0.912 χ^2/NDF:118.7/4

\+ sign 14.264+/-0.525 χ^2/NDF: 3791.8/21

All: 14.937+/-0.369 χ^2/NDF: 7159.4/44

\- 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: 0.966+/-0.610 χ^2/NDF:117.2/5

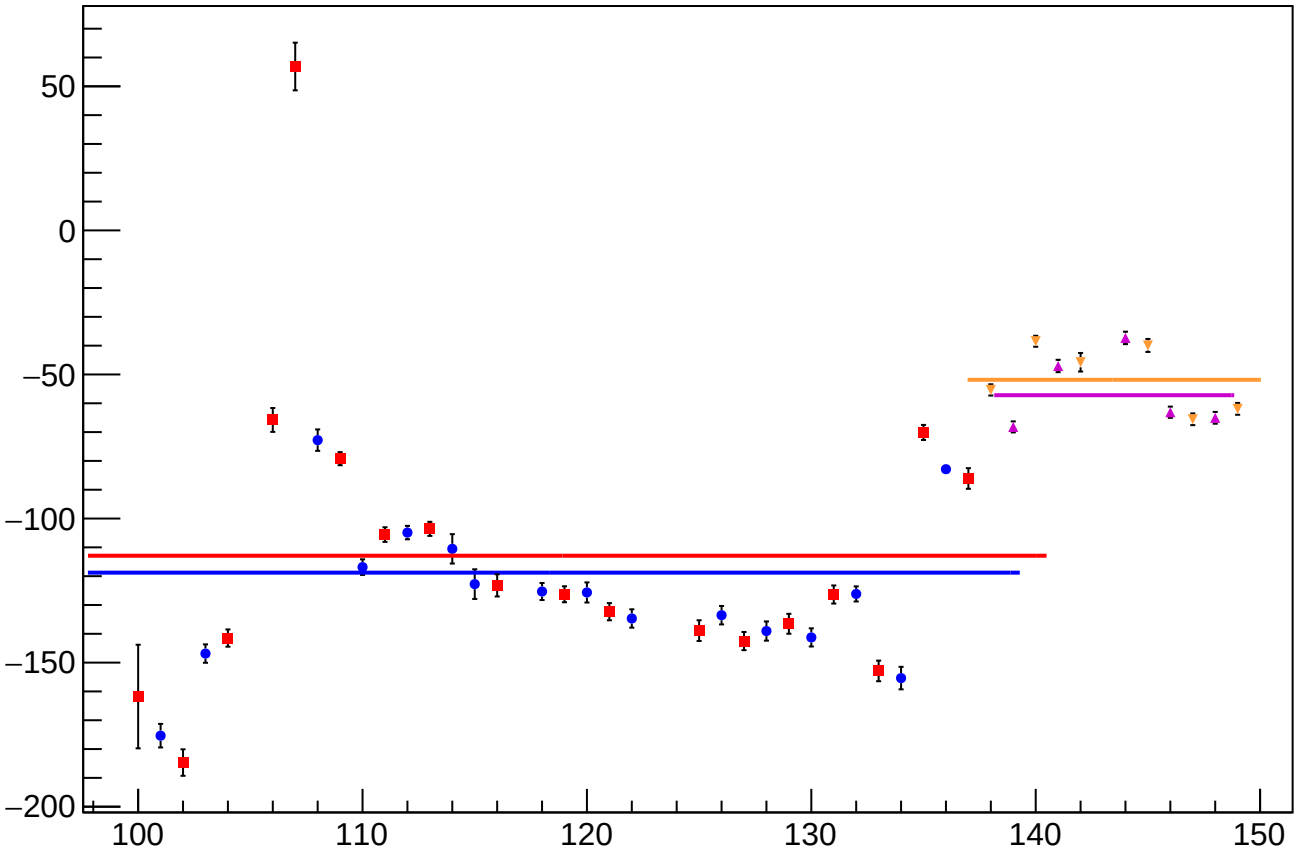
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 0.555+/-0.618 χ^2/NDF:47.5/4

+ sign 1.526+/-0.461 χ^2/NDF: 271.1/21

All: 1.489+/-0.328 χ^2/NDF: 430.8/44

- sign 1.450+/-0.467 χ^2/NDF: 159.7/22



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -51.844+/-0.873 χ^2/NDF:153.6/5

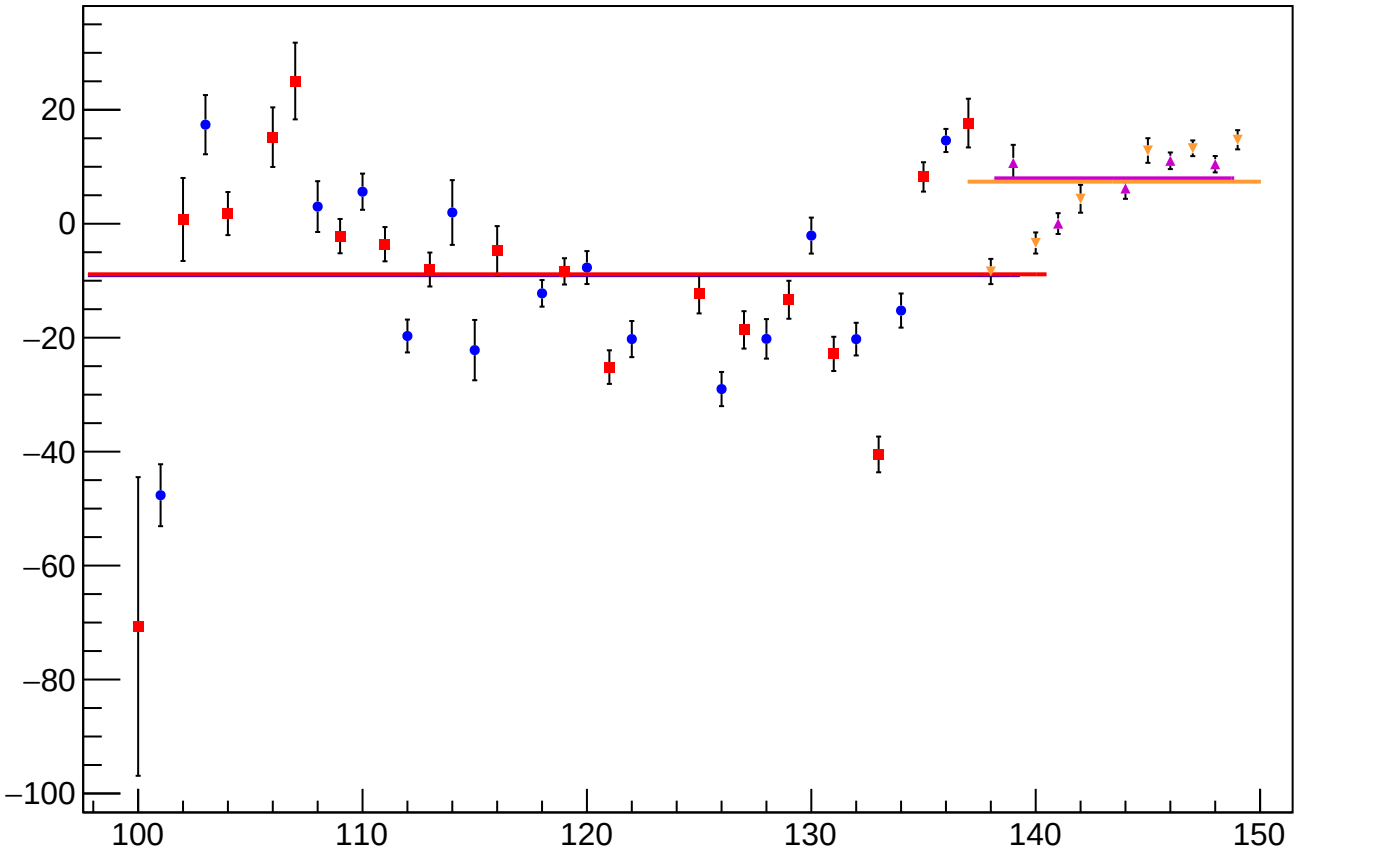
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

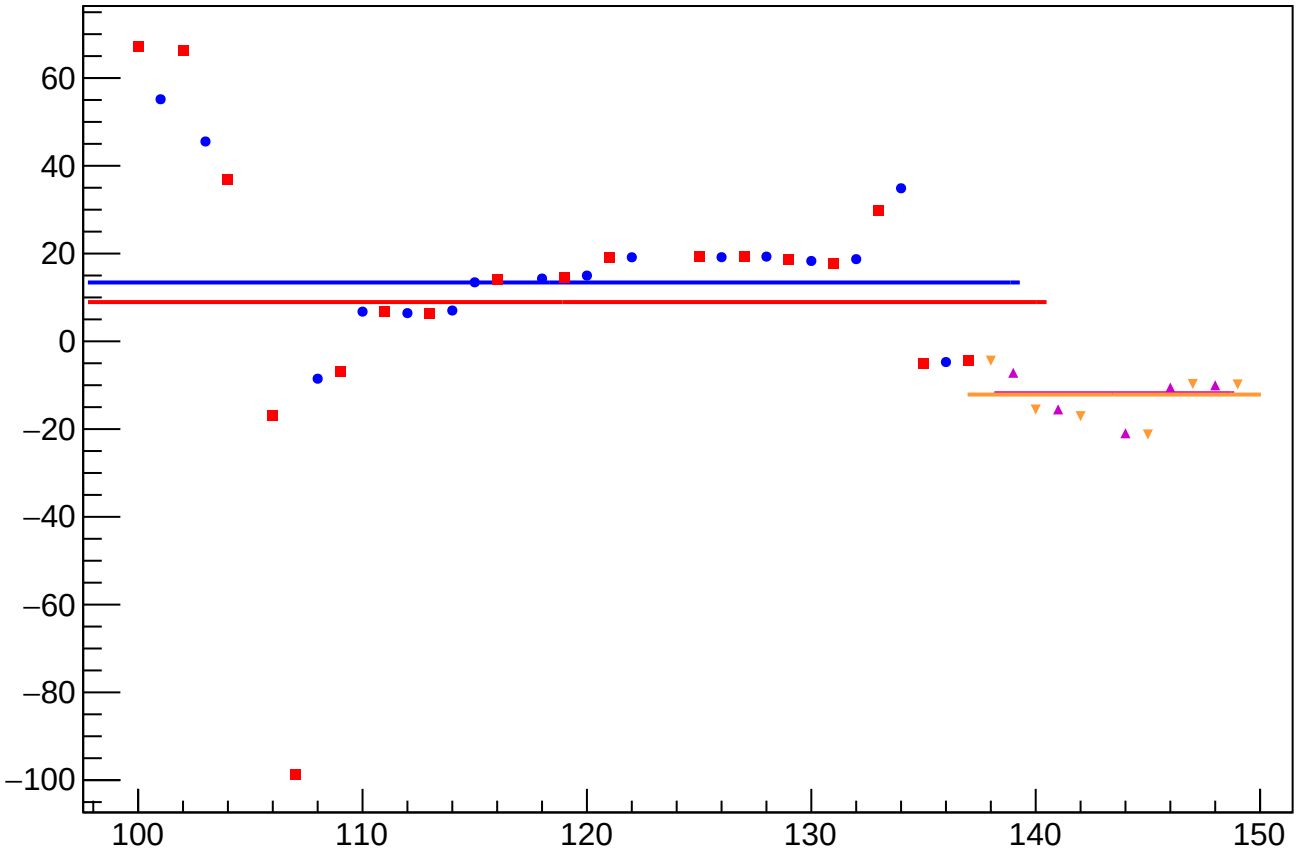
Left In: -57.198+/-0.911 χ^2/NDF:163.6/4

\+ sign -90.073+/-0.572 χ^2/NDF: 4627.4/21

All: -90.037+/-0.409 χ^2/NDF: 8856.8/44

\- sign -89.998+/-0.584 χ^2/NDF: 4229.3/22


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: -9.022+/-0.796 χ²/NDF: 358.0/15
Left Out: 7.385+/-0.755 χ²/NDF:129.5/5
Right Out: -8.878+/-0.810 χ²/NDF: 318.7/17
Left In: 7.965+/-0.778 χ²/NDF:28.0/4
+ sign -0.387+/-0.548 χ²/NDF: 711.3/21
All: -0.251+/-0.392 χ²/NDF: 1283.0/44
- sign -0.109+/-0.561 χ²/NDF: 571.6/22



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -12.129+/-0.036 χ^2/NDF:25088.8/5

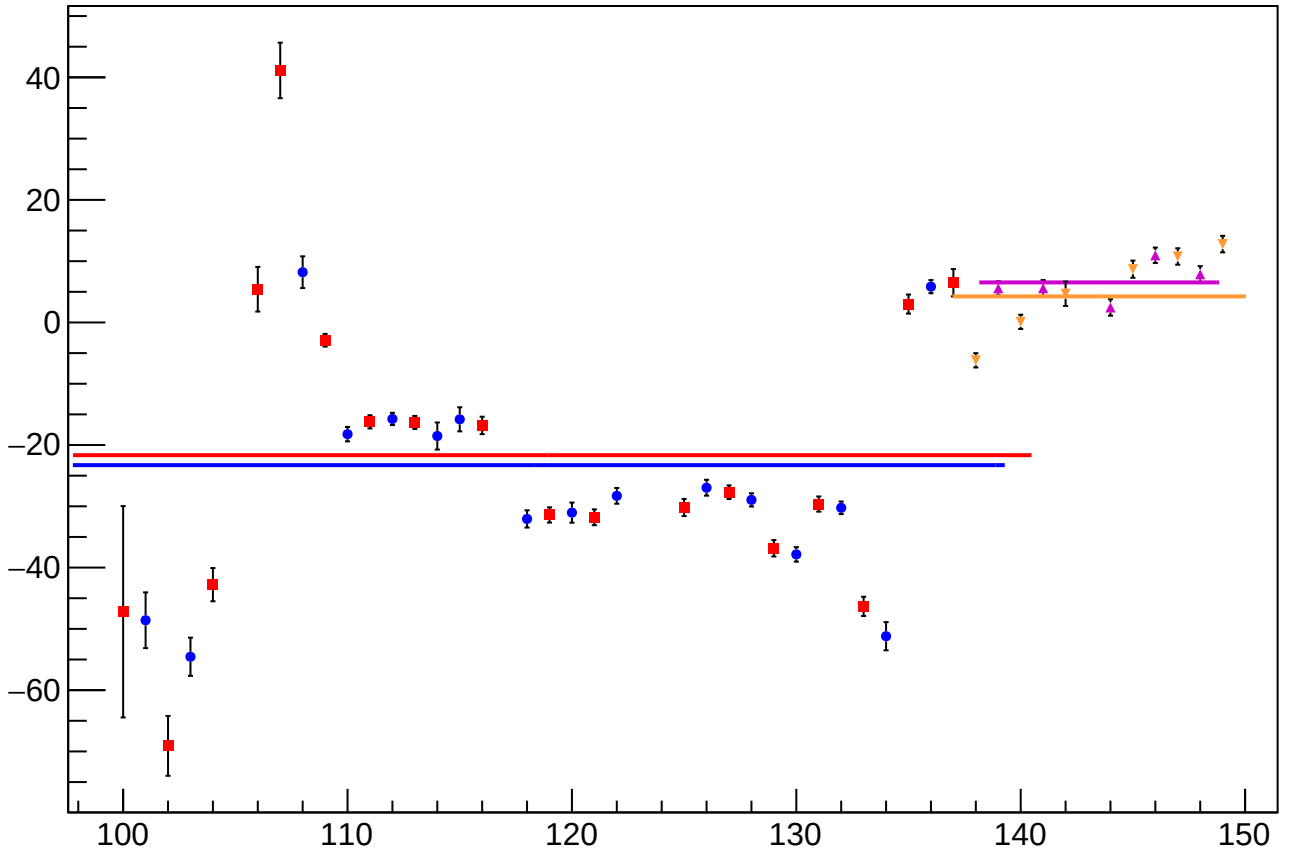
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.829+/-0.037 χ^2/NDF:16023.4/4

\+ sign -2.085+/-0.028 χ^2/NDF: 401828.6/21

All: -3.036+/-0.020 χ^2/NDF: 831226.1/44

\- 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: 4.253+/-0.547 χ^2/NDF:166.5/5

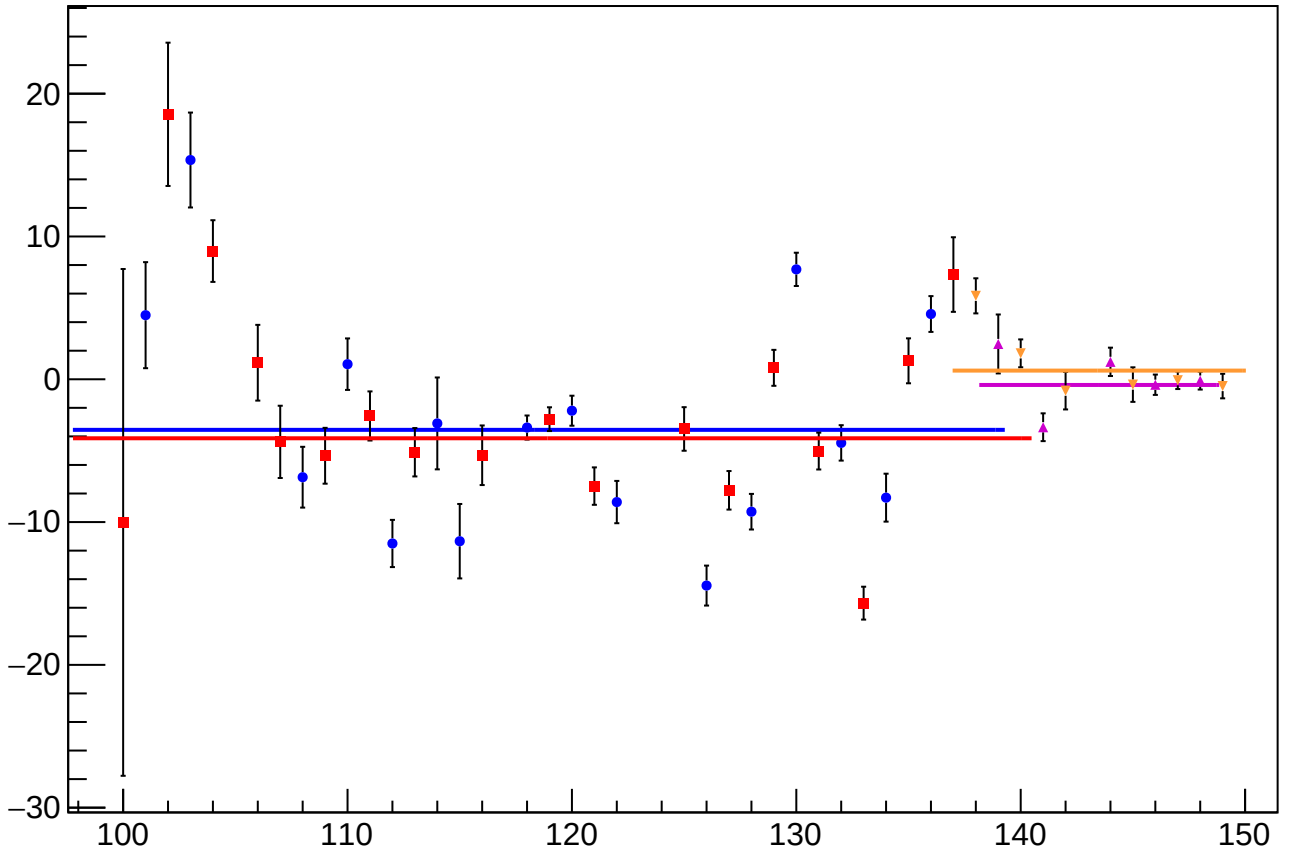
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 6.534+/-0.569 χ^2/NDF:23.7/4

+ sign -15.272+/-0.295 χ^2/NDF: 3530.6/21

All: -14.645+/-0.209 χ^2/NDF: 7164.4/44

- 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: 0.608+/-0.379 χ^2/NDF:24.3/5

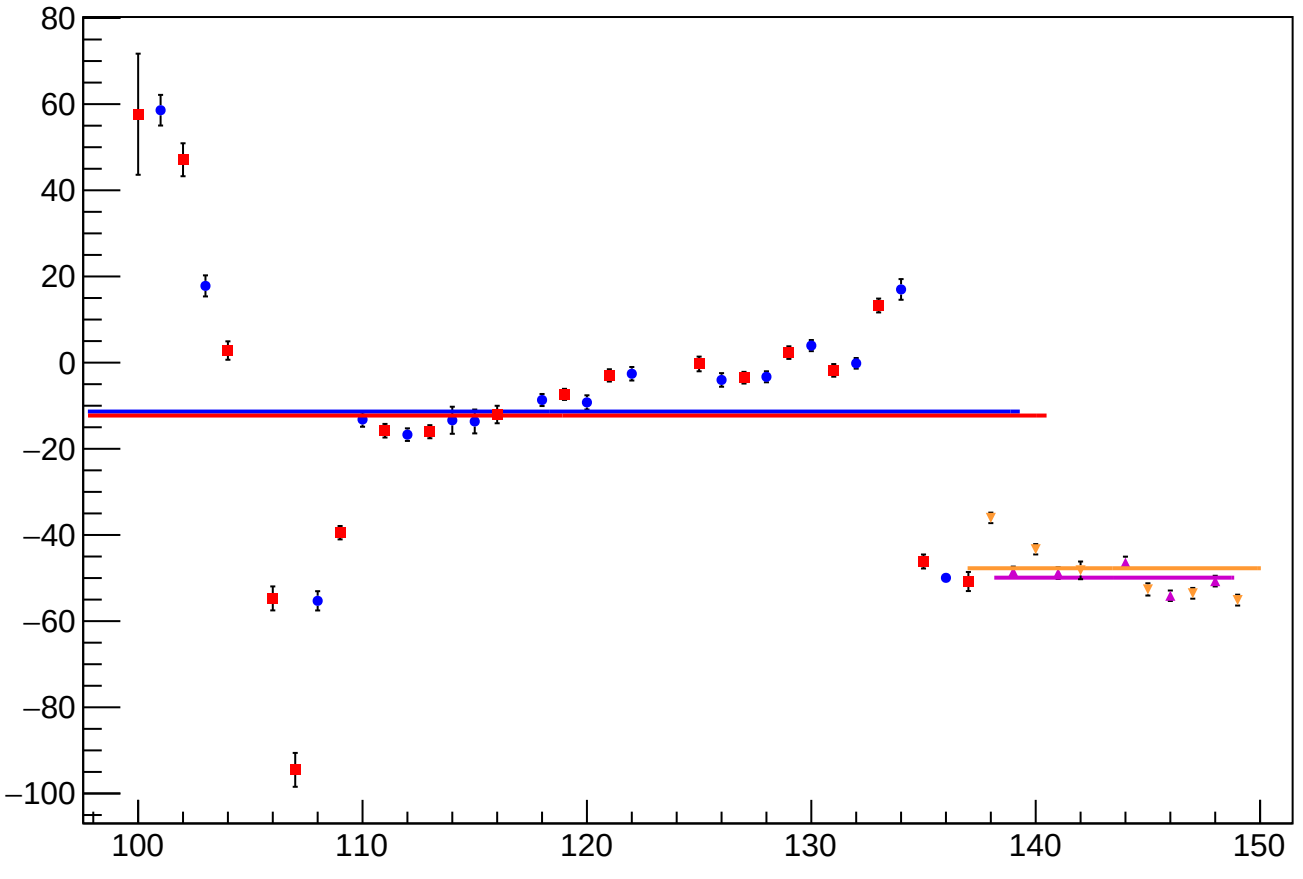
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.398+/-0.382 χ^2/NDF:14.1/4

+ sign -1.558+/-0.262 χ^2/NDF: 403.6/21

All: -1.935+/-0.187 χ^2/NDF: 698.5/44

- 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: -47.723+/-0.545 χ^2/NDF:173.7/5

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

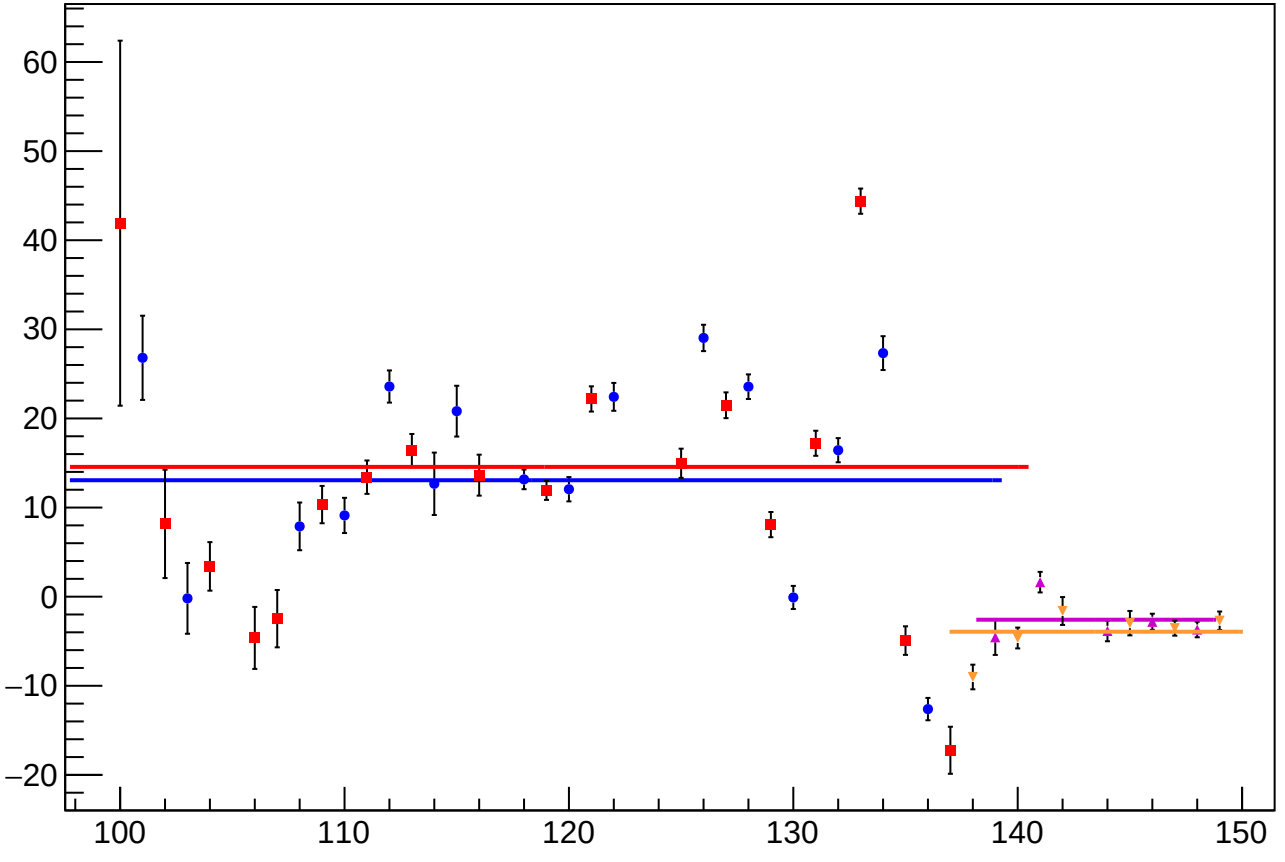
Left In: -49.910+/-0.568 χ^2/NDF:20.8/4

\+ sign -24.333+/-0.325 χ^2/NDF: 5703.2/21

All: -24.807+/-0.233 χ^2/NDF: 11190.3/44

\- sign -25.307+/-0.334 χ^2/NDF: 5482.7/22

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.932+/-0.469 χ^2/NDF:18.2/5

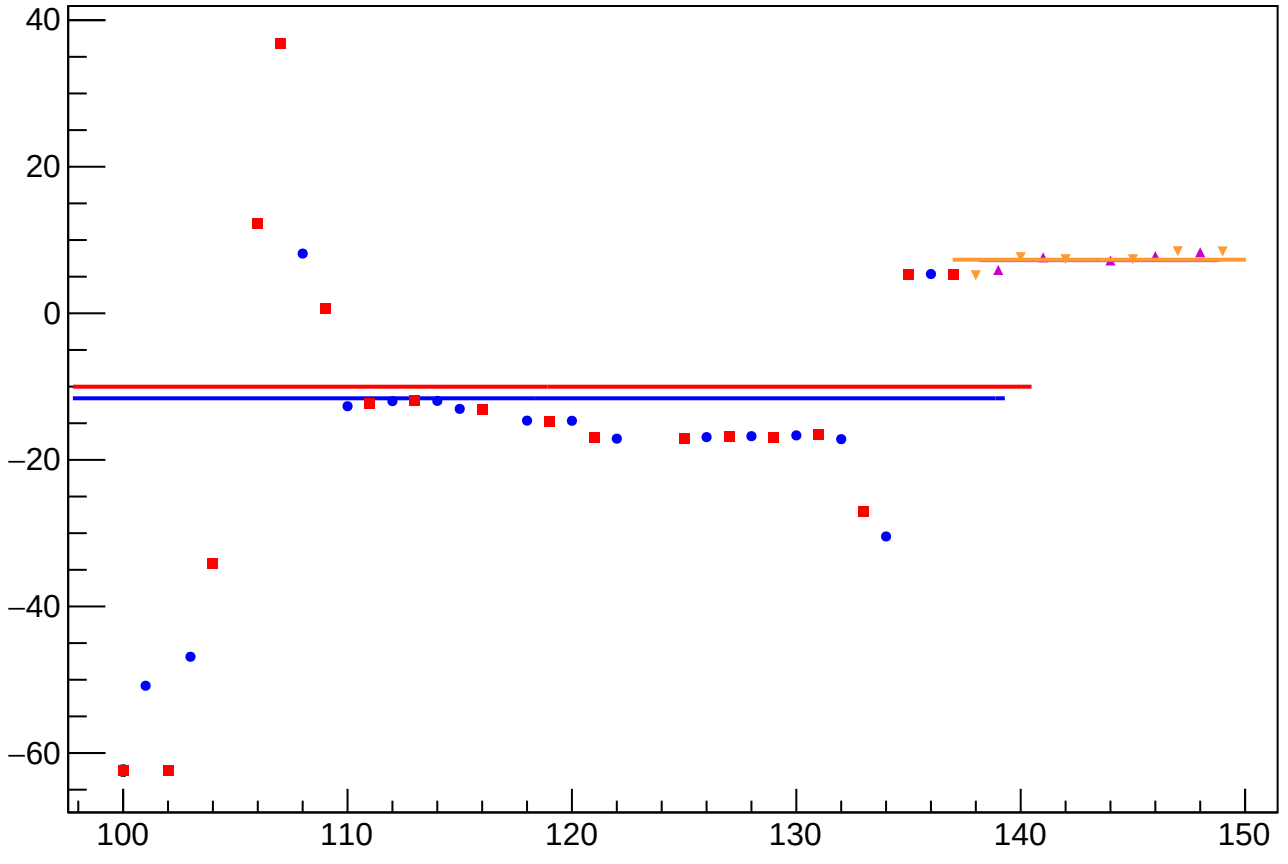
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.587+/-0.483 χ^2/NDF:17.2/4

+ sign 5.614+/-0.311 χ^2/NDF: 1618.1/21

All: 6.355+/-0.222 χ^2/NDF: 3264.1/44

- 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: 7.314+/-0.023 χ^2/NDF:2886.9/5

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

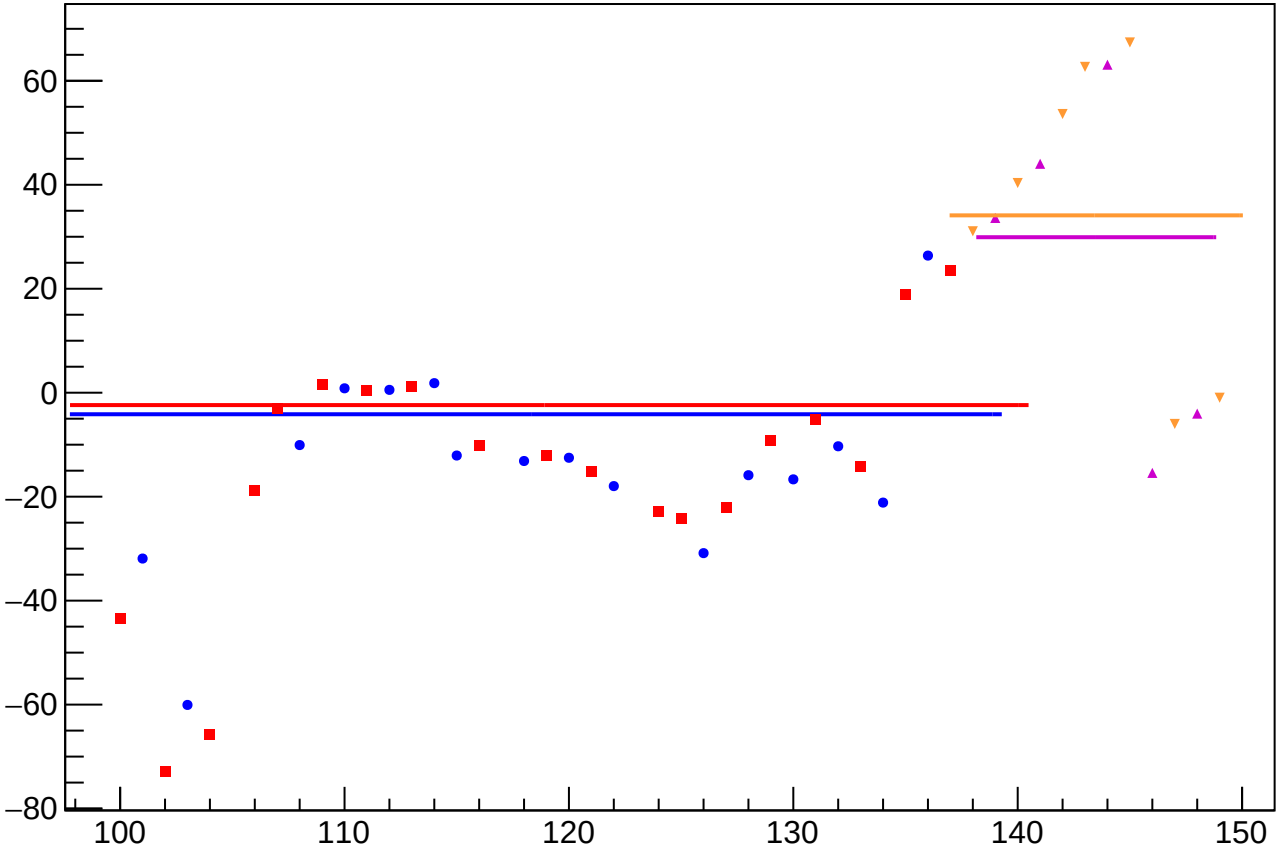
Left In: 7.260+/-0.023 χ^2/NDF:1615.5/4

+ sign -0.775+/-0.017 χ^2/NDF: 659027.7/21

All: -0.311+/-0.012 χ^2/NDF: 1291955.3/44

- 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: 34.114+/-0.102 χ^2/NDF:54948.1/6

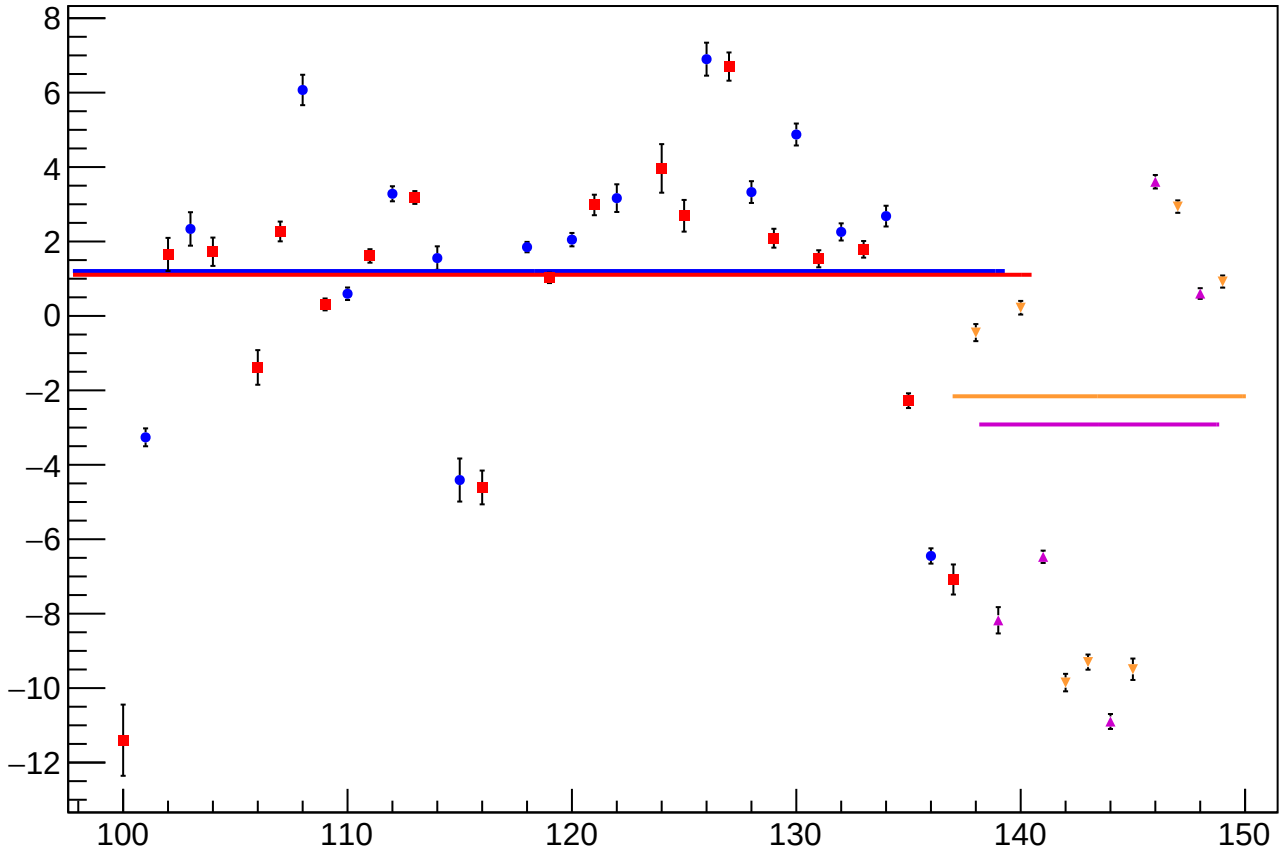
Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 29.912+/-0.112 χ^2/NDF:51916.2/4

+ sign 4.458+/-0.048 χ^2/NDF: 240303.9/22

All: 3.260+/-0.032 χ^2/NDF: 445395.5/46

- sign 2.319+/-0.043 χ^2/NDF: 203984.7/23



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -2.159+/-0.075 χ^2/NDF:4460.7/6

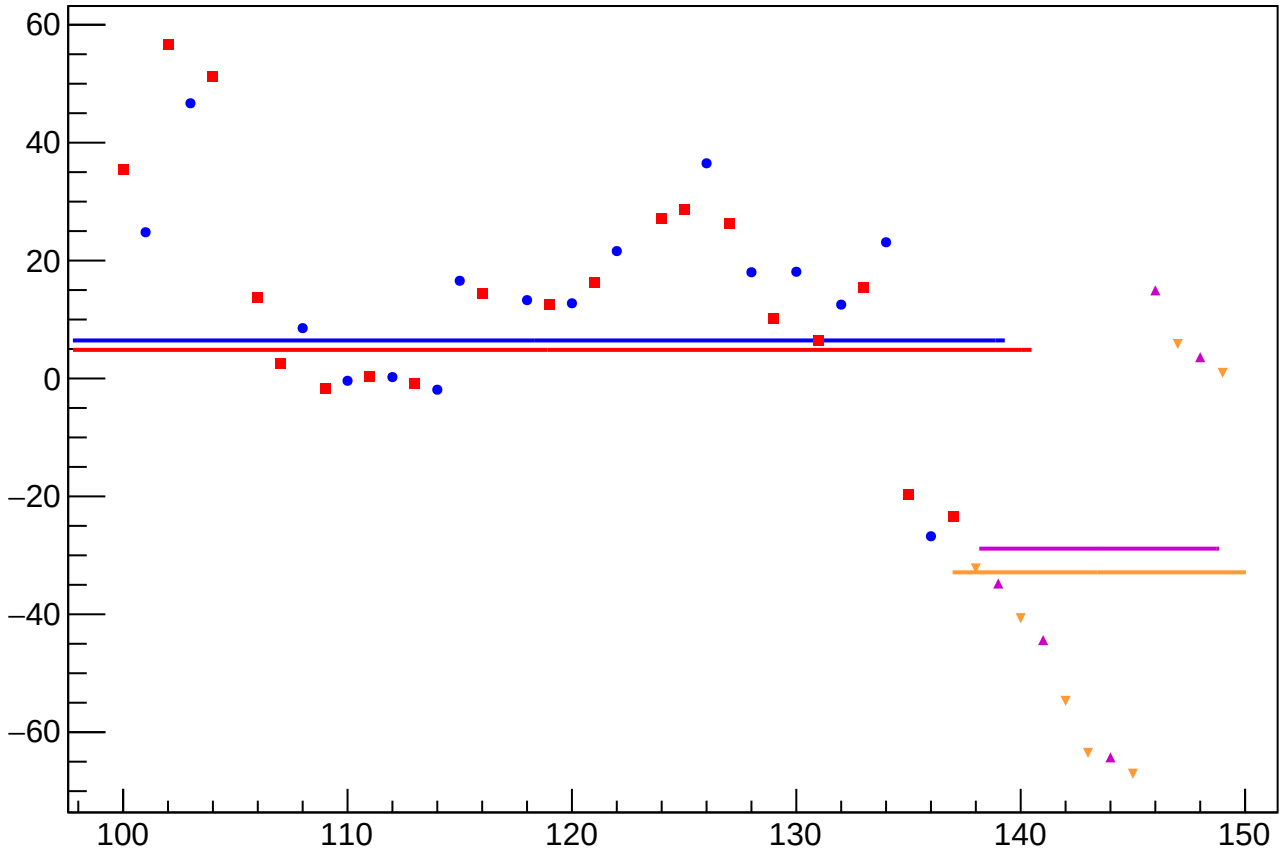
Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -2.917+/-0.082 χ^2/NDF:4147.9/4

+ sign -0.112+/-0.047 χ^2/NDF: 8259.4/22

All: -0.160+/-0.033 χ^2/NDF: 15610.0/46

- 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: -32.885+/-0.102 χ^2/NDF:58668.8/6

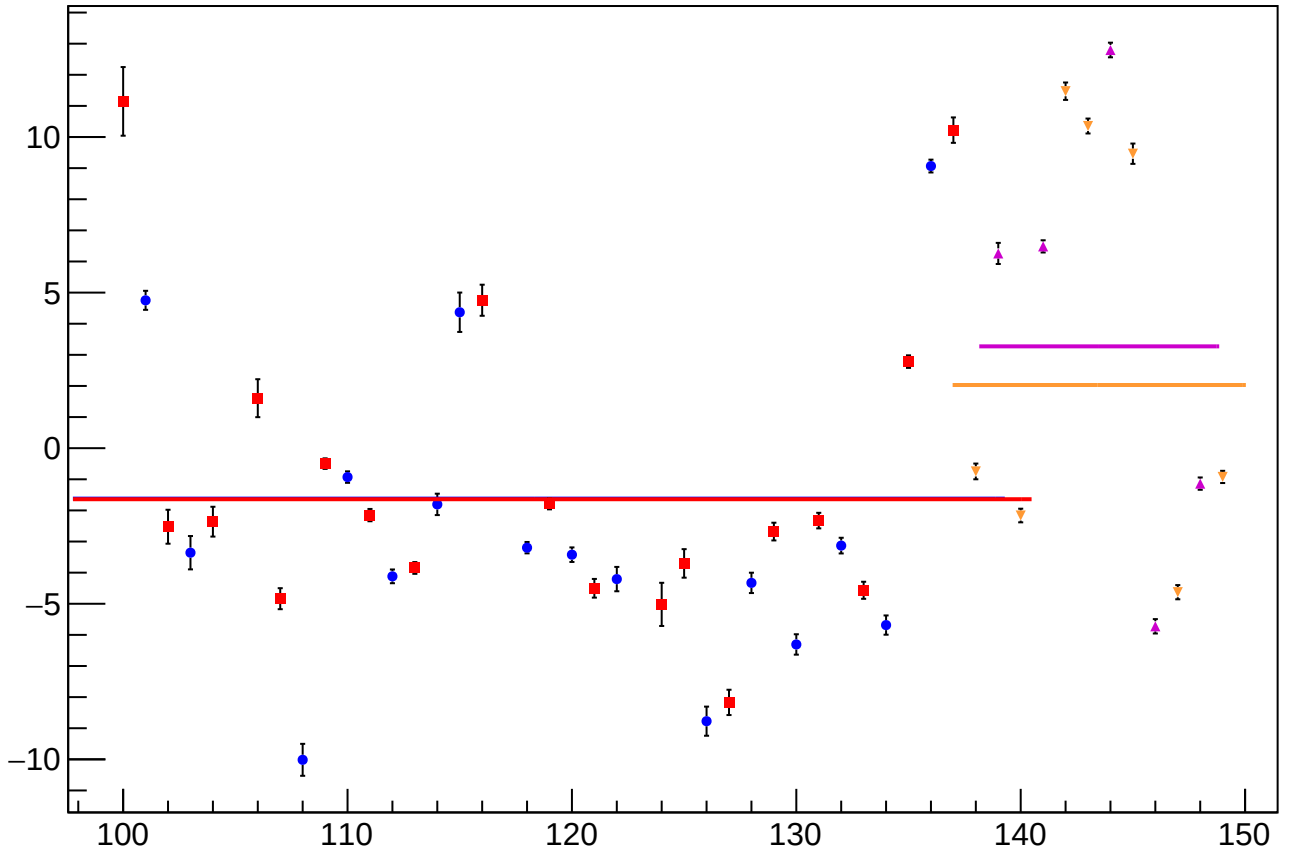
Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -28.864+/-0.113 χ^2/NDF:55077.4/4

+ sign -4.922+/-0.055 χ^2/NDF: 234561.5/22

All: -3.616+/-0.038 χ^2/NDF: 436182.8/46

- sign -2.432+/-0.052 χ^2/NDF: 200545.7/23



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 2.031+/-0.091 χ^2/NDF:4426.2/6

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

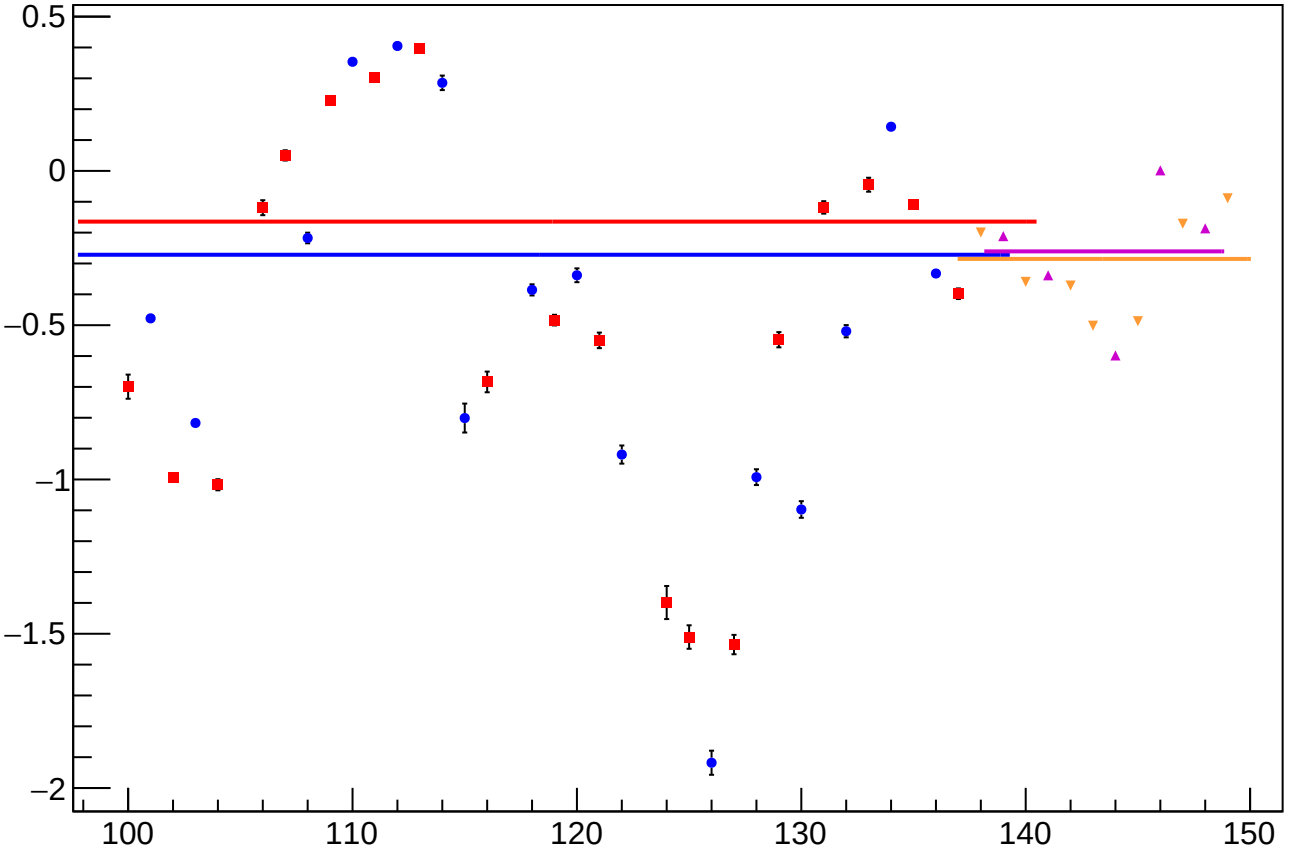
Left In: 3.272+/-0.102 χ^2/NDF:3993.4/4

+ sign -0.271+/-0.055 χ^2/NDF: 9969.9/22

All: -0.249+/-0.039 χ^2/NDF: 18091.3/46

- 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: -0.285+/-0.004 χ^2/NDF:1189.1/6

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

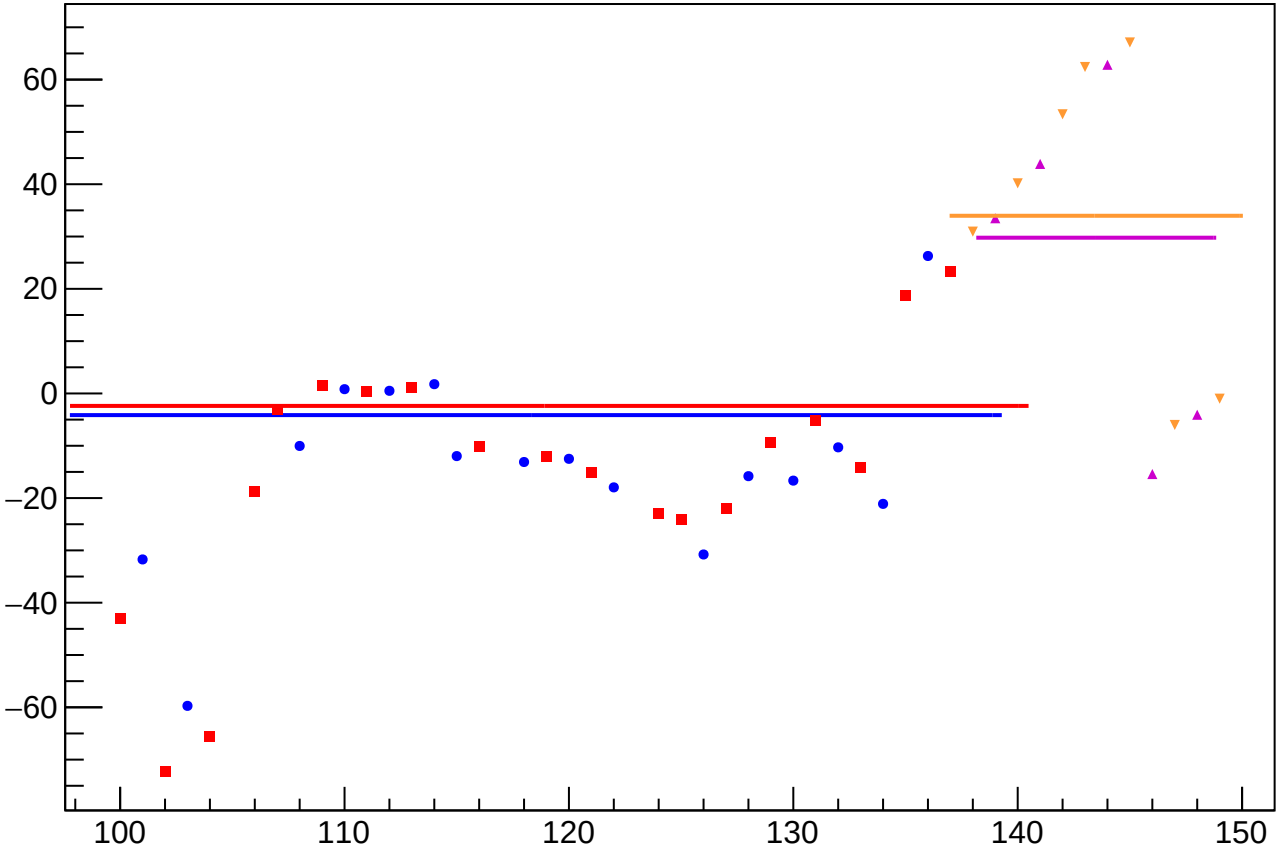
Left In: -0.261+/-0.004 χ^2/NDF:1266.8/4

+ sign -0.278+/-0.003 χ^2/NDF: 13242.5/22

All: -0.241+/-0.002 χ^2/NDF: 30593.7/46

- 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: 33.969+/-0.101 χ^2/NDF:54902.5/6

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

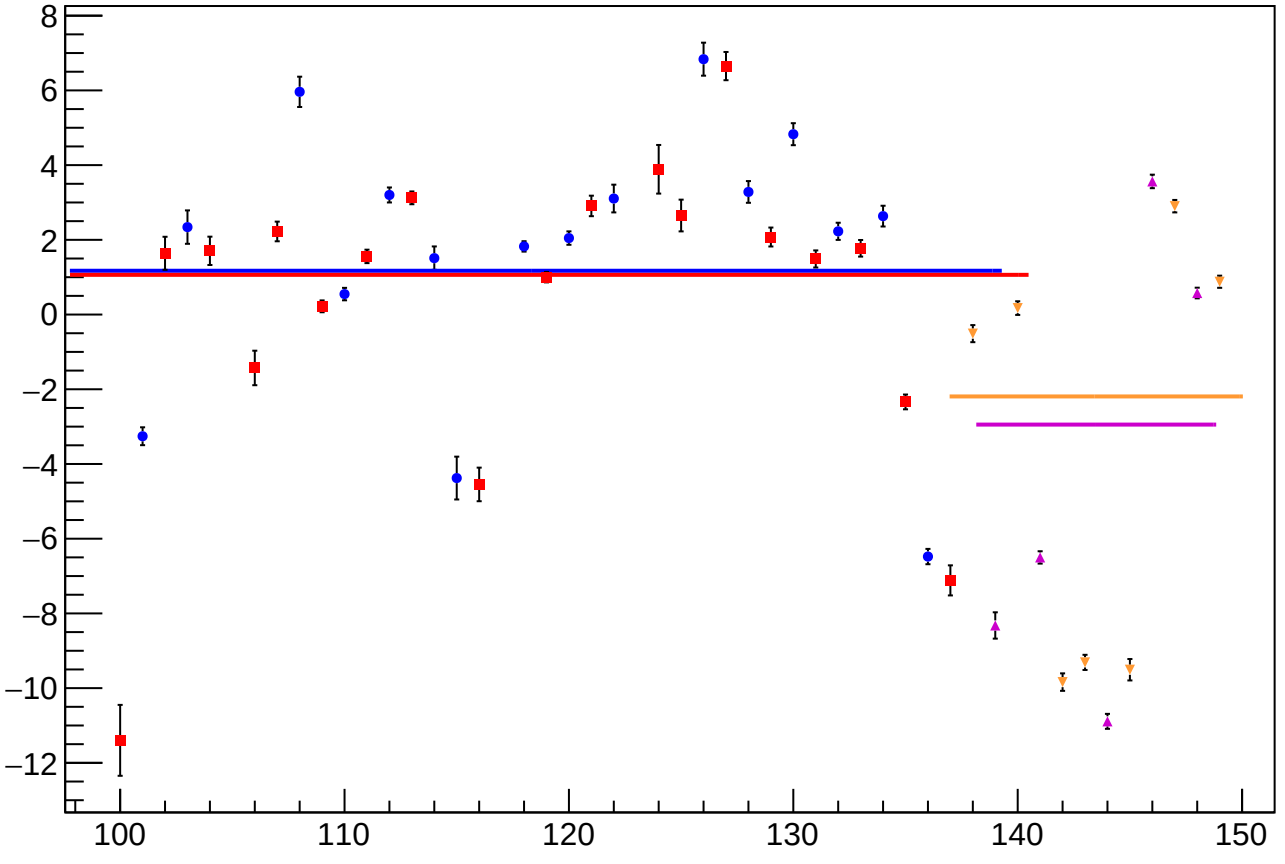
Left In: 29.776+/-0.111 χ^2/NDF:51939.0/4

+ sign 4.391+/-0.048 χ^2/NDF: 240208.8/22

All: 3.205+/-0.032 χ^2/NDF: 445140.1/46

- 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: -2.192+/-0.075 χ^2/NDF:4458.8/6

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

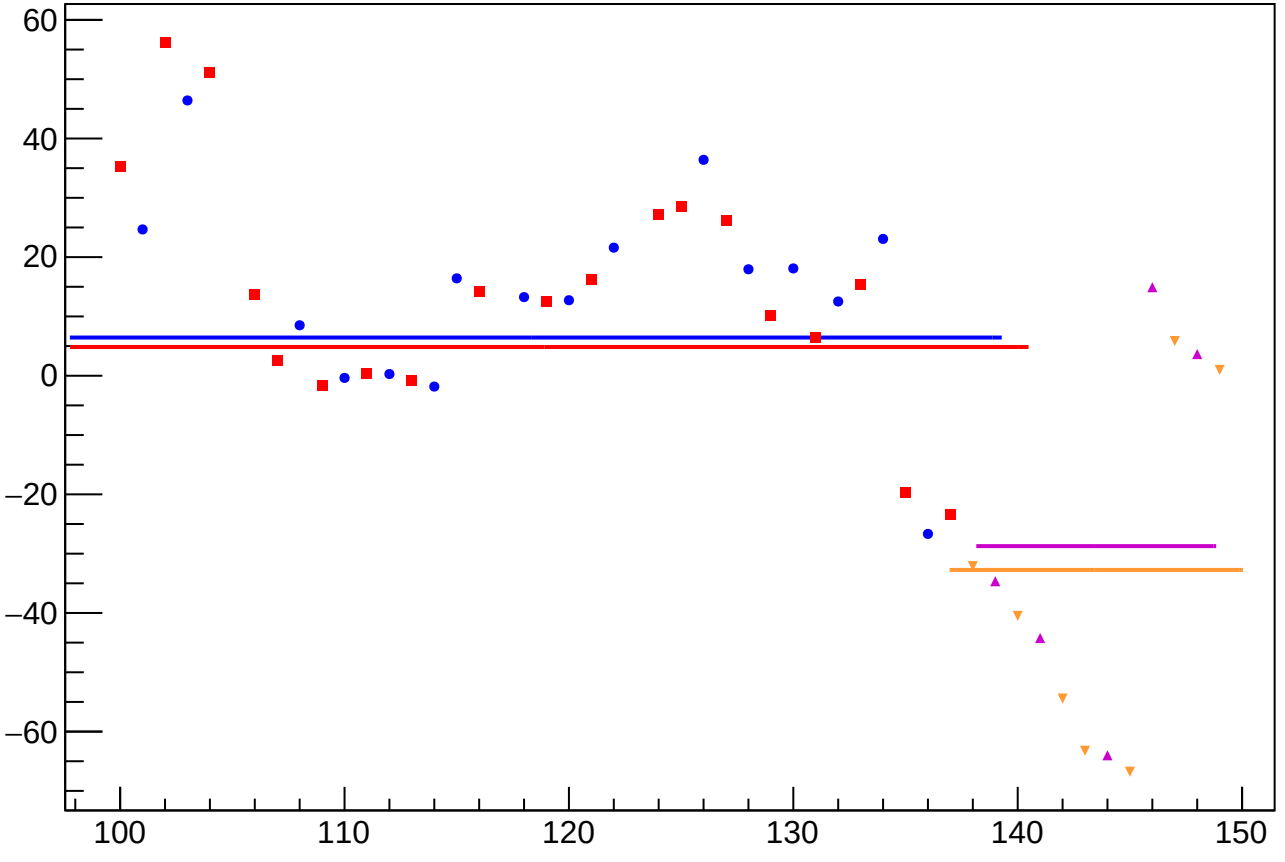
Left In: -2.946+/-0.082 χ^2/NDF:4166.9/4

+ sign -0.142+/-0.047 χ^2/NDF: 8266.8/22

All: -0.193+/-0.033 χ^2/NDF: 15647.1/46

- 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: -32.743+/-0.102 χ^2/NDF:58616.8/6

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

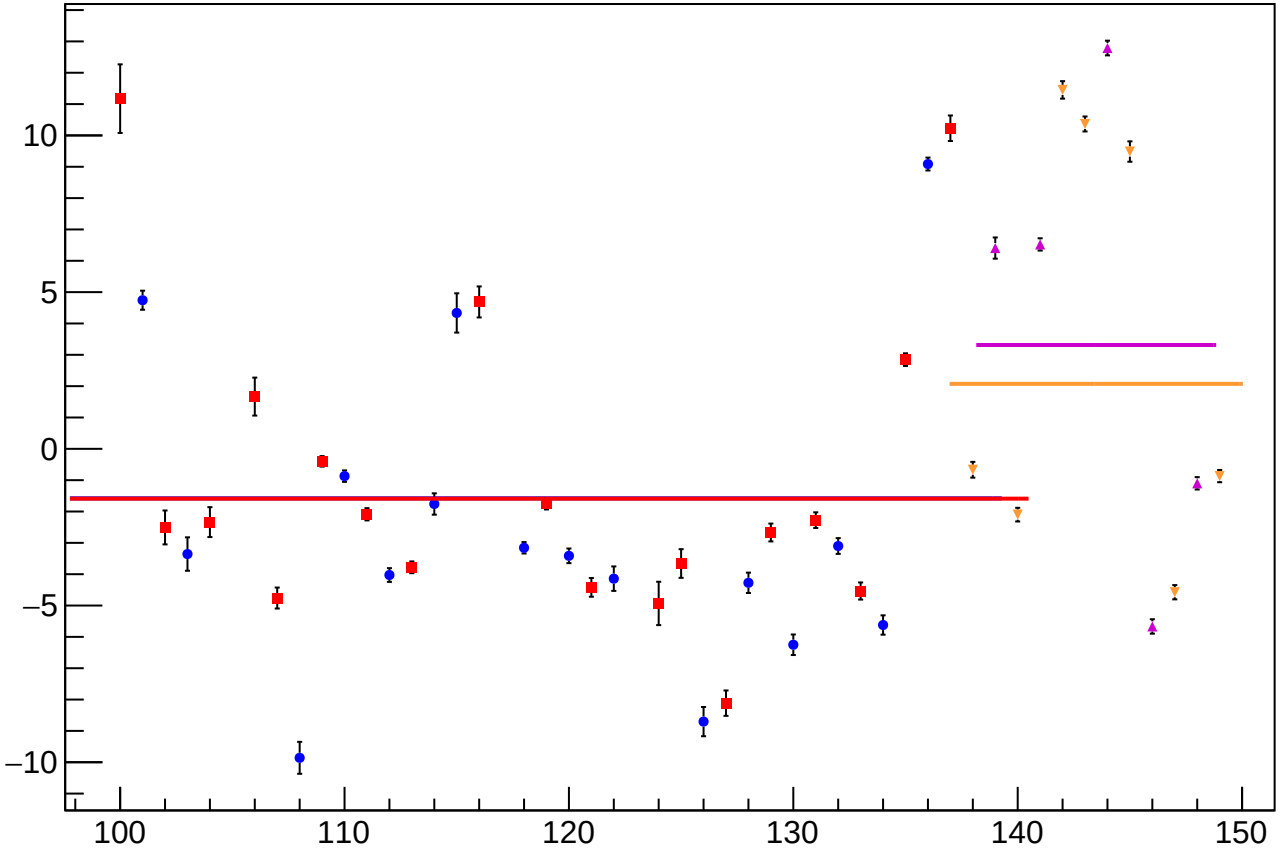
Left In: -28.729+/-0.112 χ^2/NDF:55095.3/4

+ sign -4.851+/-0.055 χ^2/NDF: 234460.9/22

All: -3.555+/-0.038 χ^2/NDF: 435923.8/46

- 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: 2.073+/-0.091 χ^2/NDF:4418.3/6

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

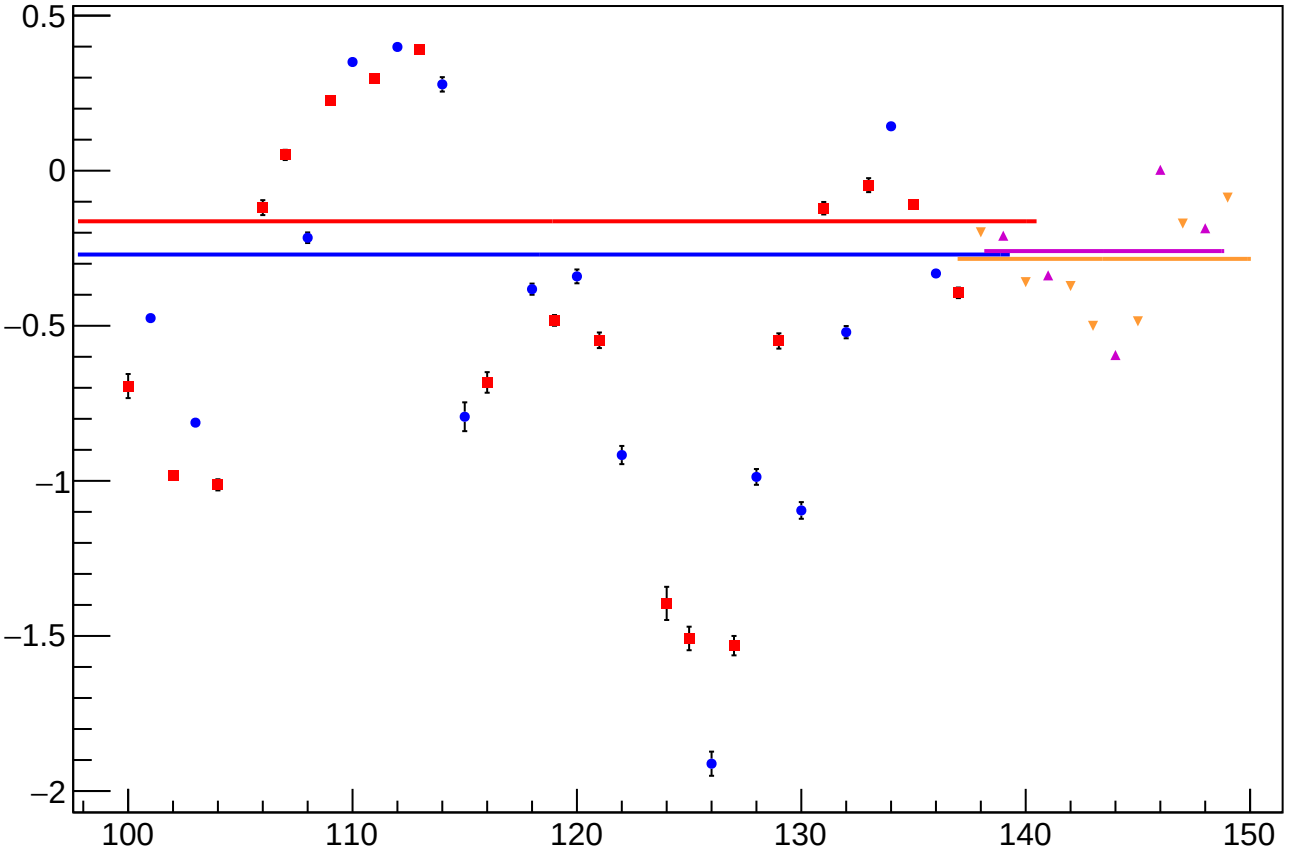
Left In: 3.313+/-0.101 χ^2/NDF:4003.6/4

+ sign -0.232+/-0.055 χ^2/NDF: 9969.7/22

All: -0.207+/-0.039 χ^2/NDF: 18117.1/46

- 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: -0.284+/-0.004 χ^2/NDF:1200.1/6

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

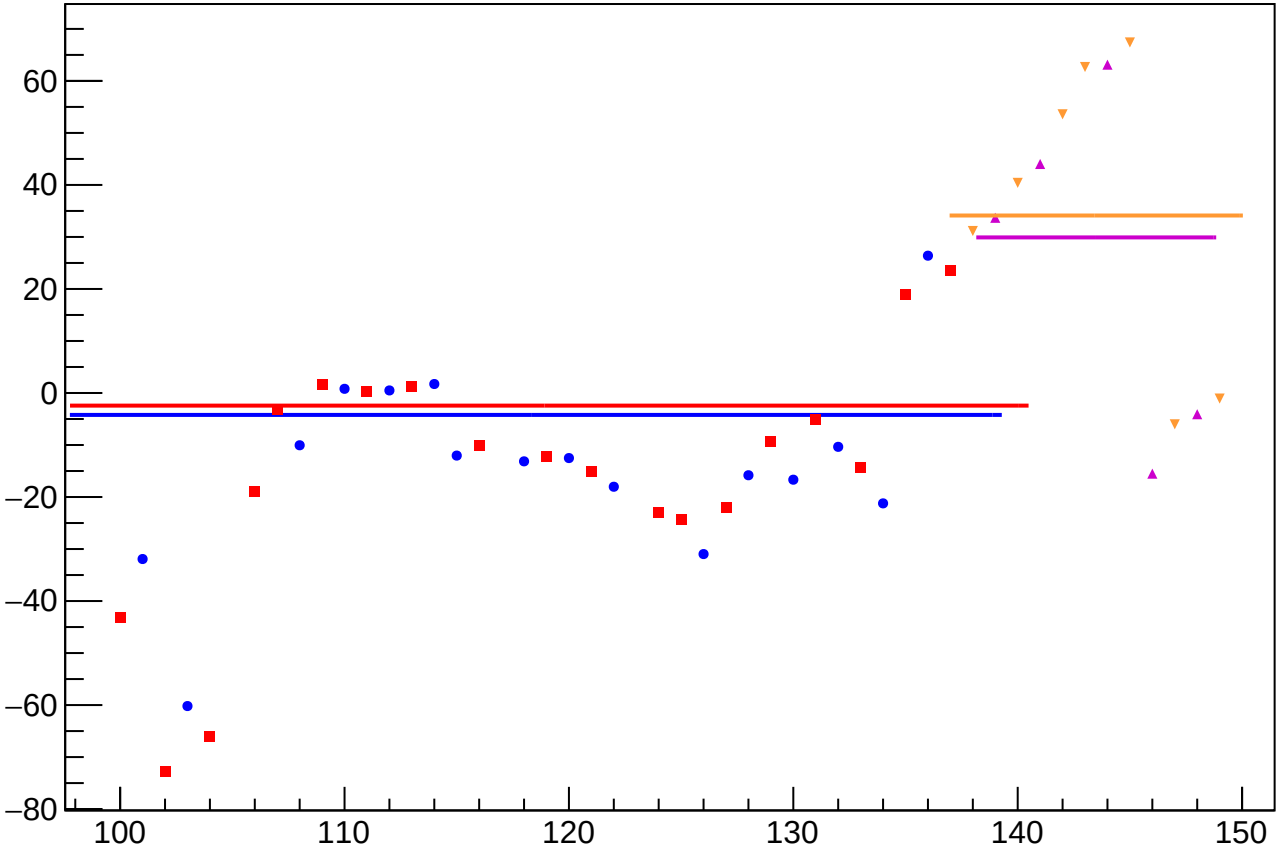
Left In: -0.259+/-0.004 χ^2/NDF:1265.1/4

+ sign -0.277+/-0.003 χ^2/NDF: 13242.0/22

All: -0.240+/-0.002 χ^2/NDF: 30608.8/46

- 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: 34.124+/-0.102 χ^2/NDF:55027.6/6

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

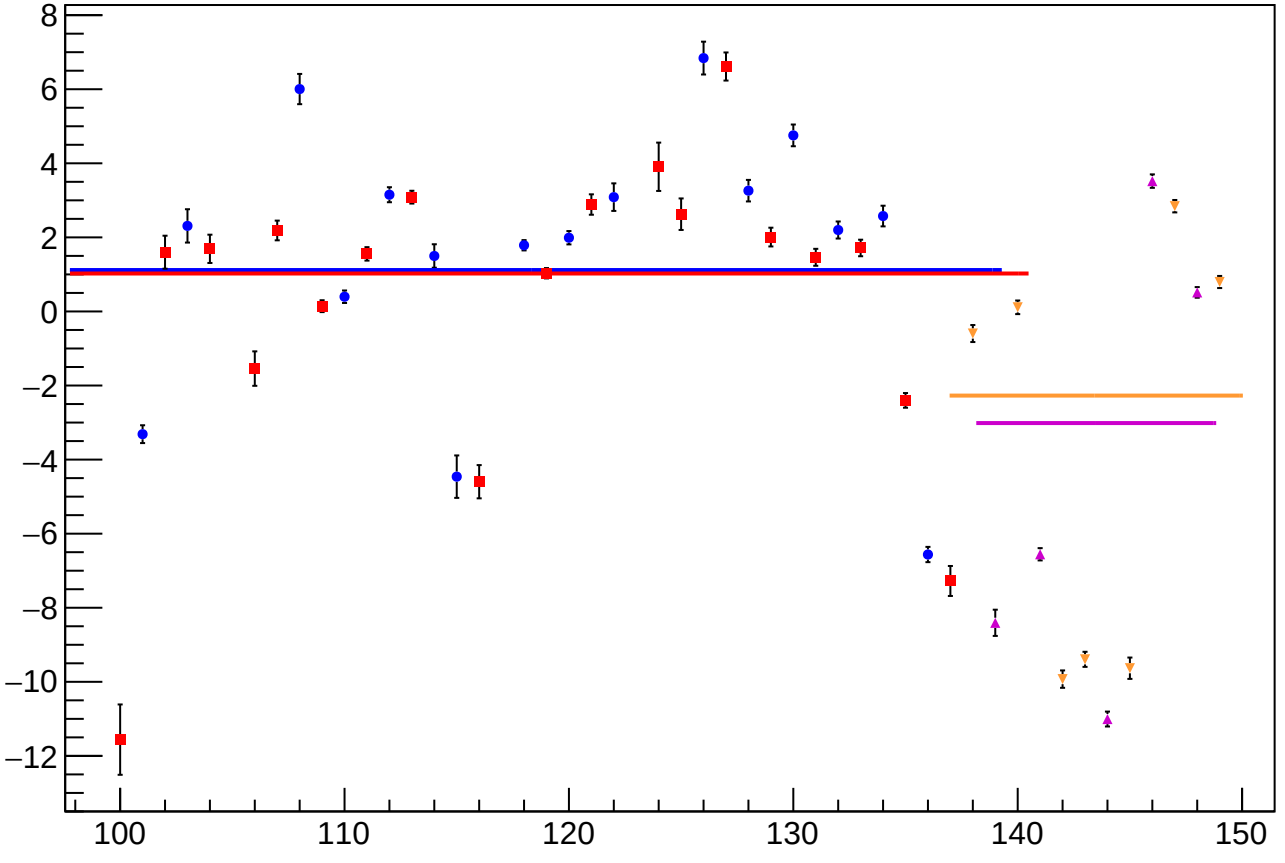
Left In: 29.913+/-0.112 χ^2/NDF:51957.6/4

+ sign 4.400+/-0.048 χ^2/NDF: 240582.1/22

All: 3.211+/-0.032 χ^2/NDF: 445700.8/46

- 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: -2.272+/-0.075 χ^2/NDF:4444.4/6

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

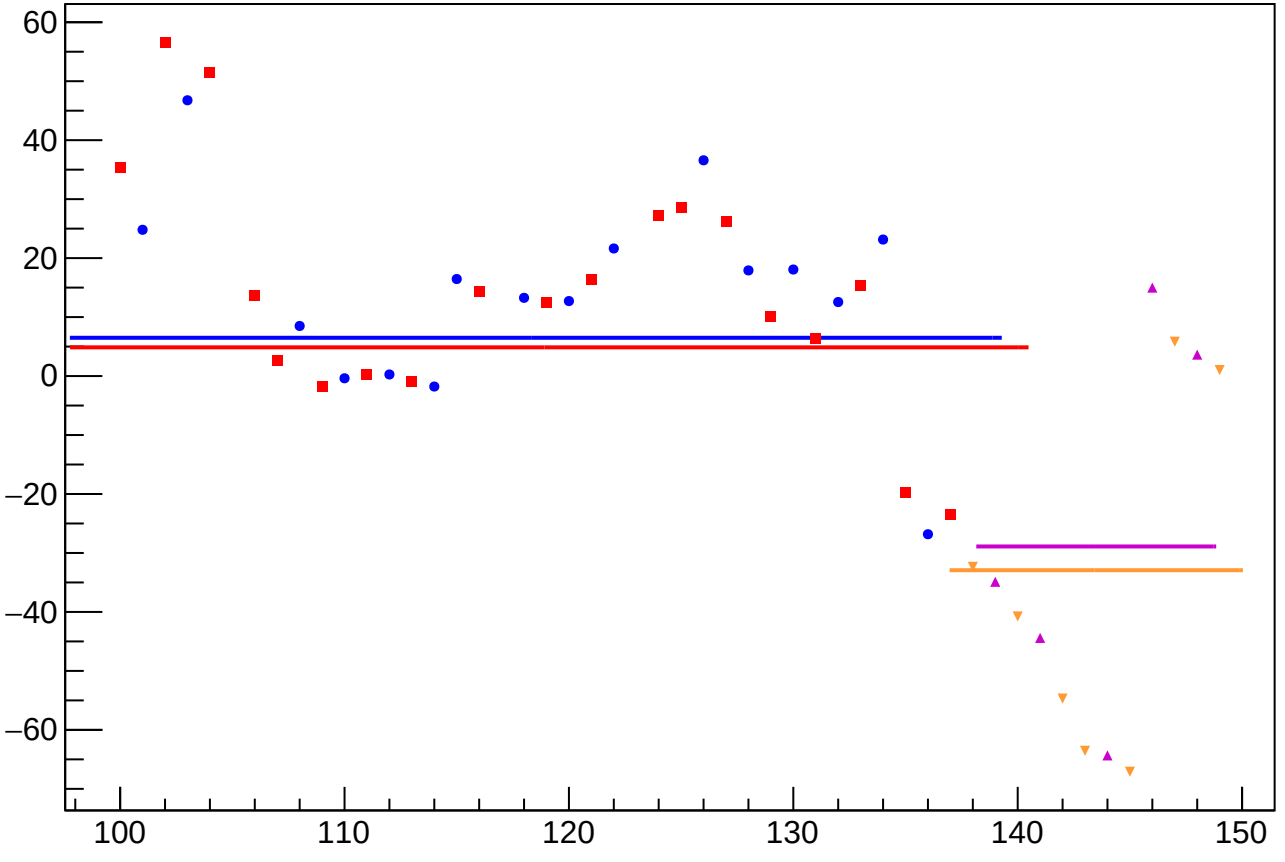
Left In: -3.014+/-0.082 χ^2/NDF:4158.3/4

+ sign -0.207+/-0.047 χ^2/NDF: 8267.3/22

All: -0.250+/-0.033 χ^2/NDF: 15662.3/46

- 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: -32.924+/-0.102 χ^2/NDF:58771.1/6

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

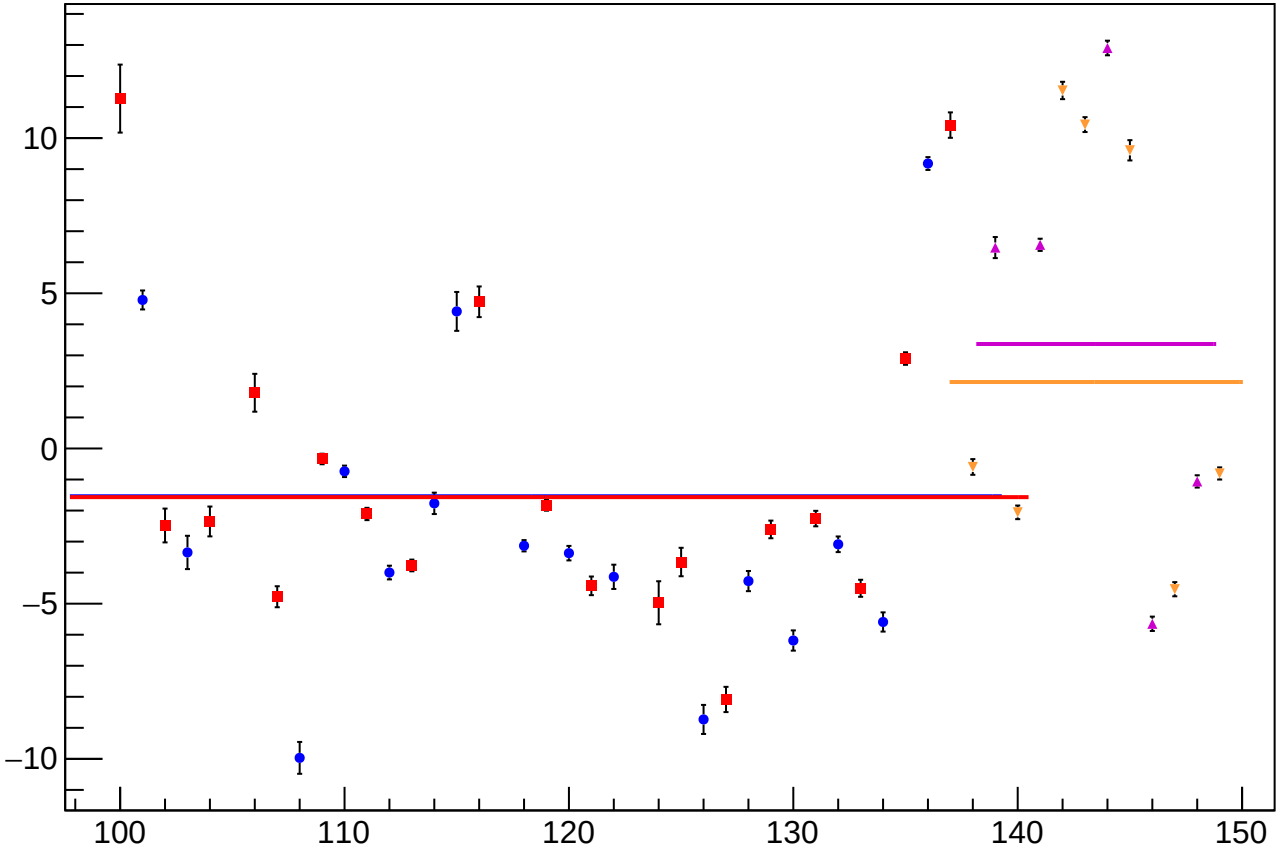
Left In: -28.898+/-0.113 χ^2/NDF:55126.0/4

+ sign -4.893+/-0.055 χ^2/NDF: 234869.1/22

All: -3.597+/-0.038 χ^2/NDF: 436563.6/46

- 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: 2.142+/-0.091 χ^2/NDF:4405.7/6

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

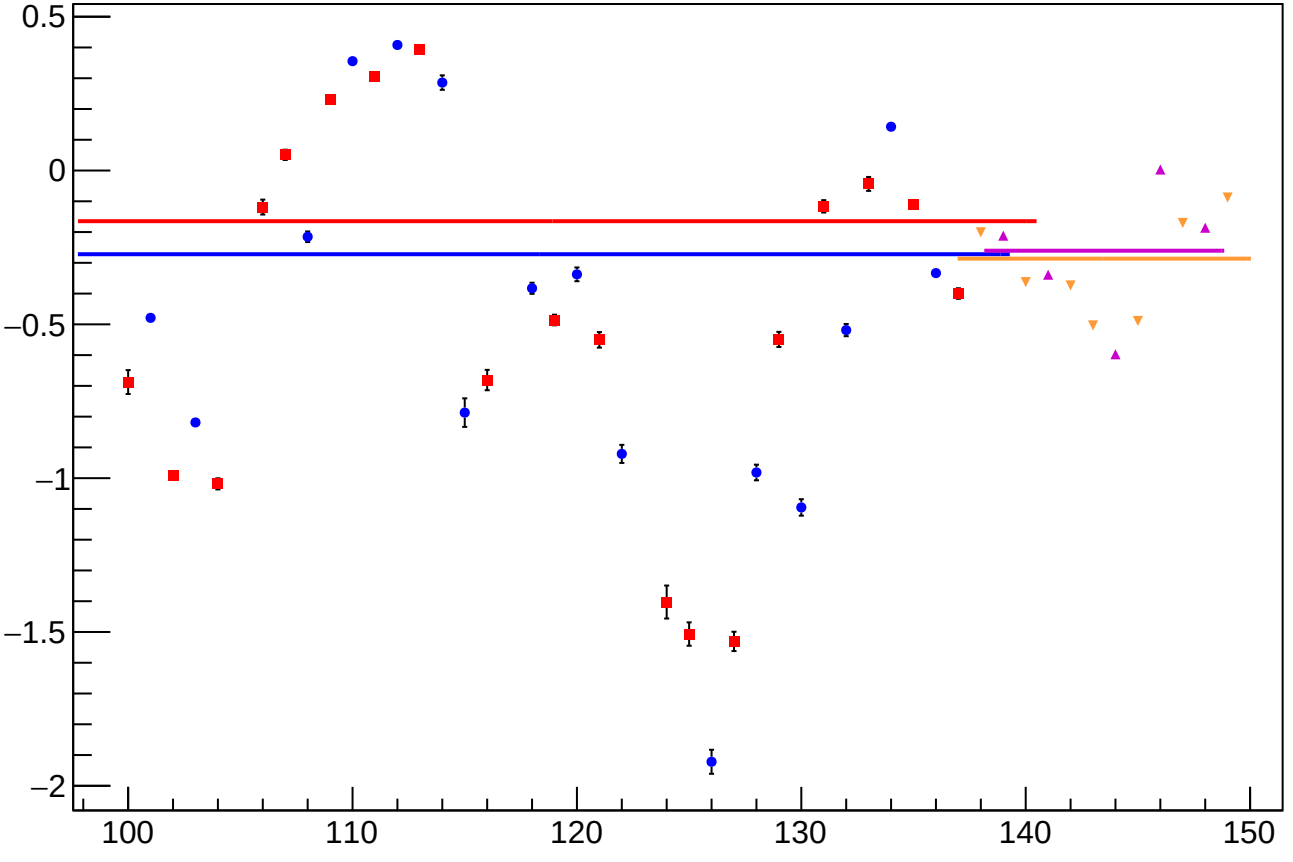
Left In: 3.366+/-0.102 χ^2/NDF:4001.8/4

+ sign -0.180+/-0.055 χ^2/NDF: 9975.7/22

All: -0.165+/-0.039 χ^2/NDF: 18151.1/46

- 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: -0.286+/-0.004 χ^2/NDF:1206.0/6

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

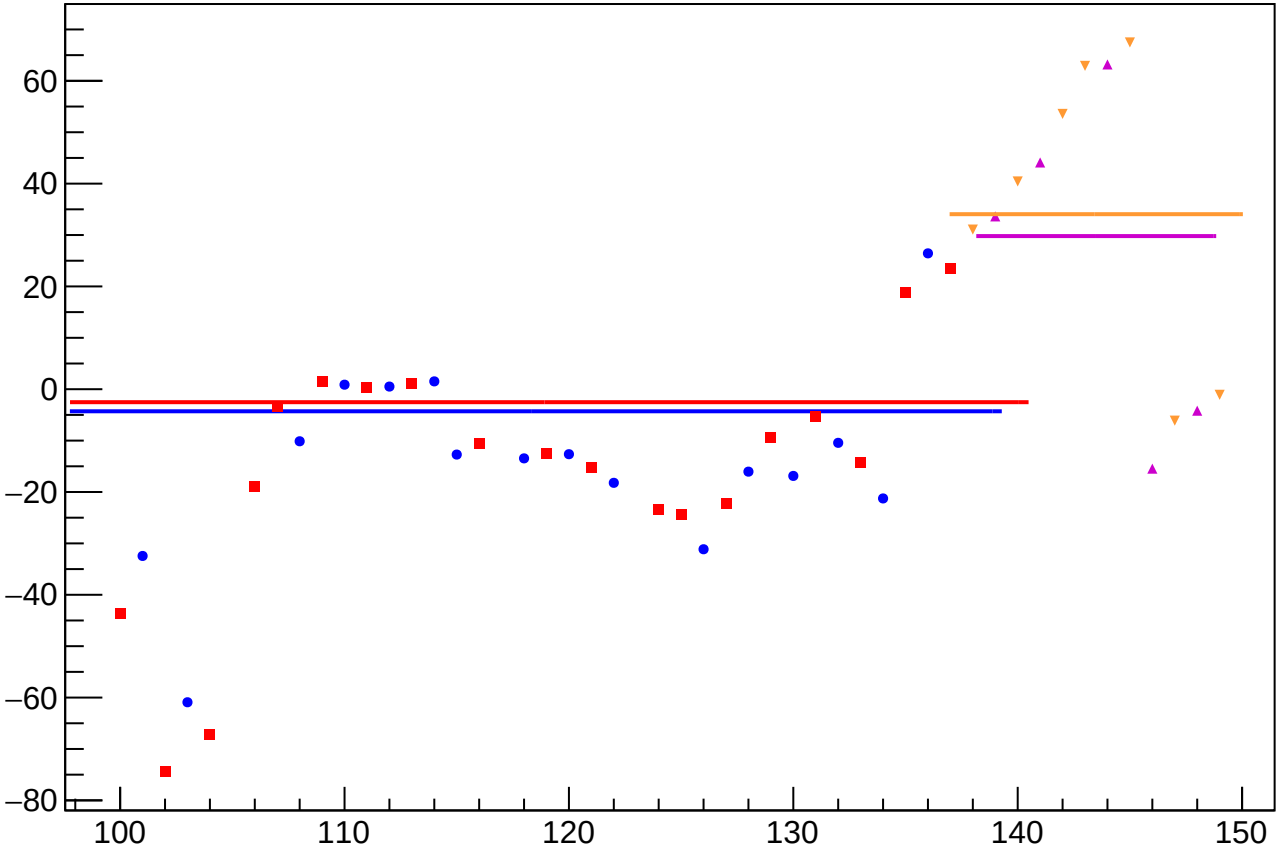
Left In: -0.261+/-0.004 χ^2/NDF:1265.0/4

+ sign -0.279+/-0.003 χ^2/NDF: 13275.5/22

All: -0.241+/-0.002 χ^2/NDF: 30619.8/46

- 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: 34.055+/-0.102 χ^2/NDF:54612.9/6

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

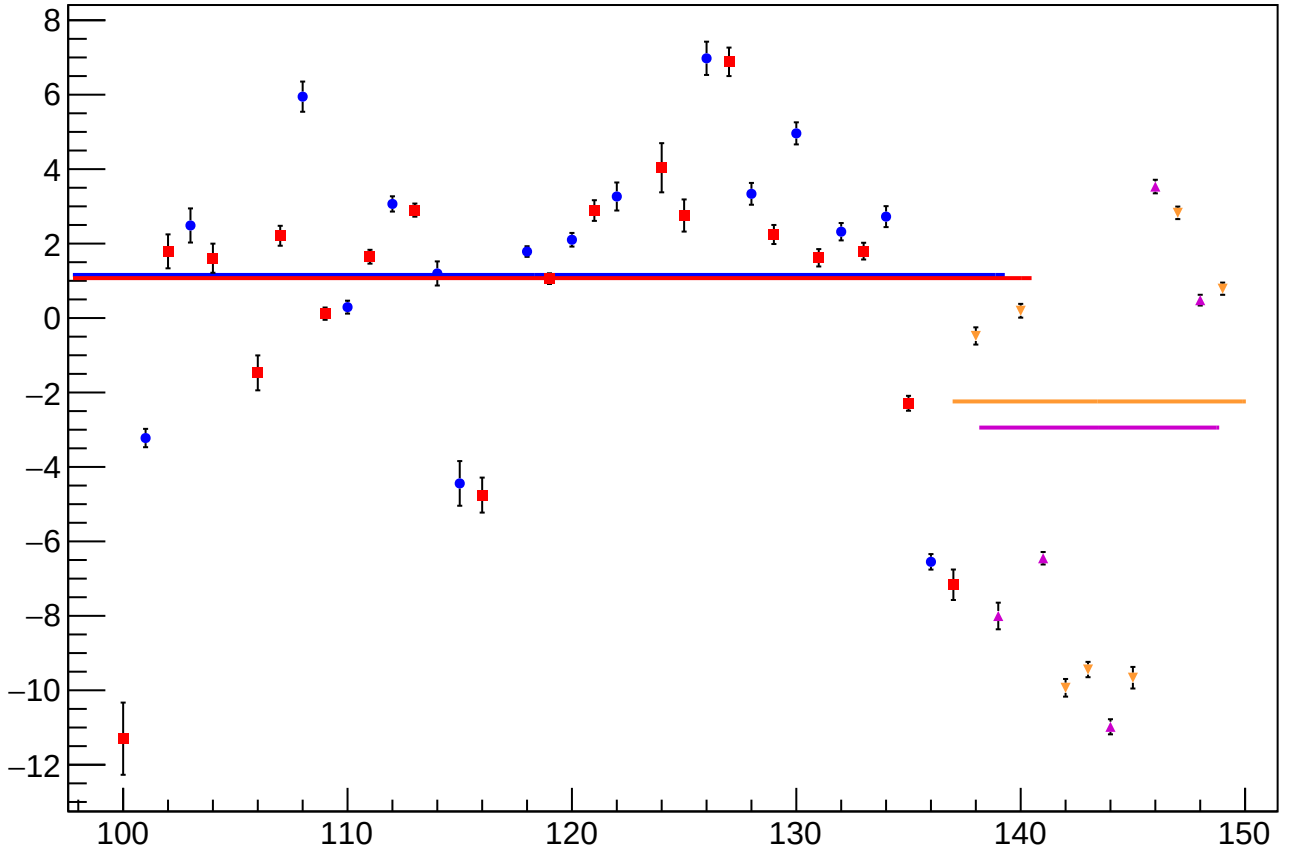
Left In: 29.795+/-0.113 χ^2/NDF:51486.9/4

+ sign 4.464+/-0.049 χ^2/NDF: 236985.6/22

All: 3.251+/-0.033 χ^2/NDF: 439206.4/46

- 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: -2.241+/-0.076 χ^2/NDF:4407.8/6

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

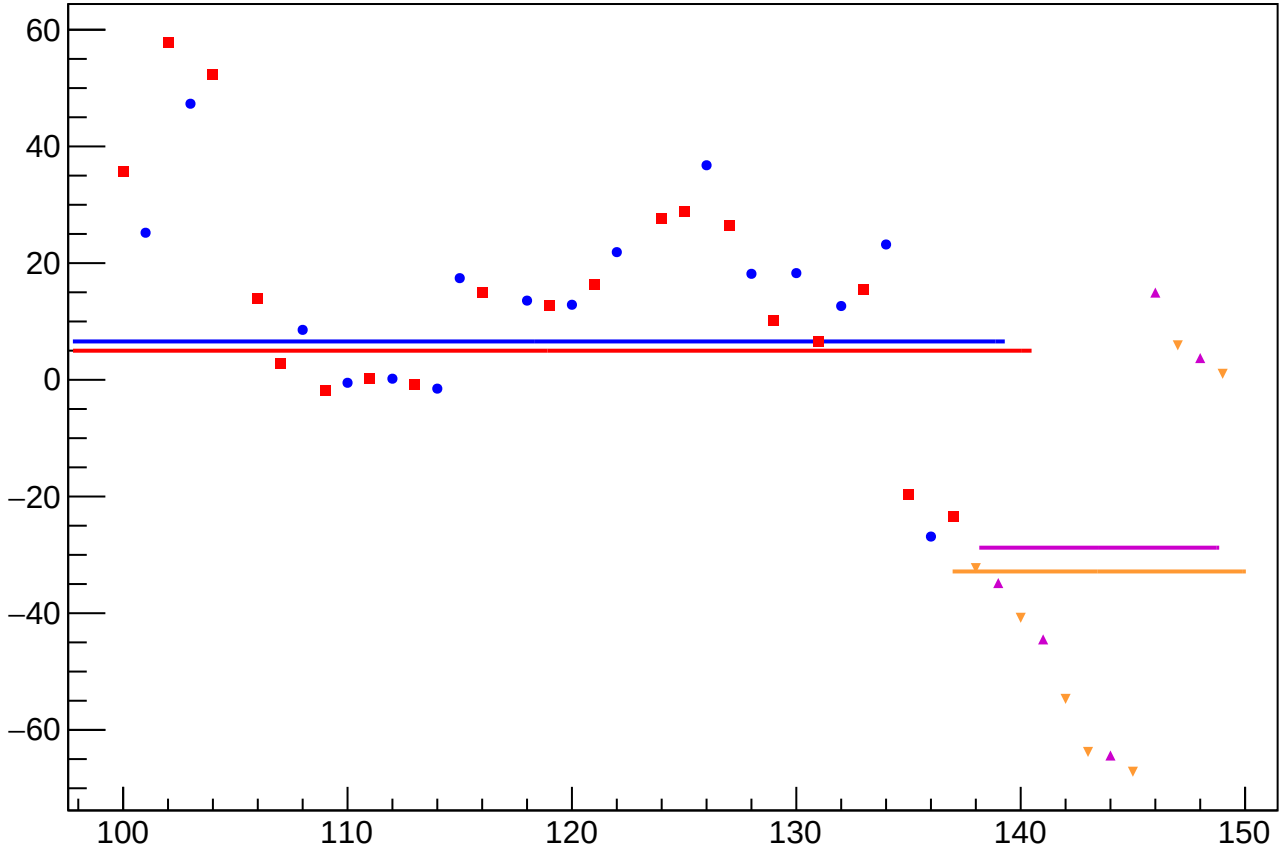
Left In: -2.943+/-0.083 χ^2/NDF:4026.7/4

+ sign -0.189+/-0.048 χ^2/NDF: 8166.9/22

All: -0.224+/-0.034 χ^2/NDF: 15314.7/46

- sign -0.258+/-0.048 χ^2/NDF: 7146.7/23

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -32.845+/-0.103 χ^2/NDF:58293.5/6

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

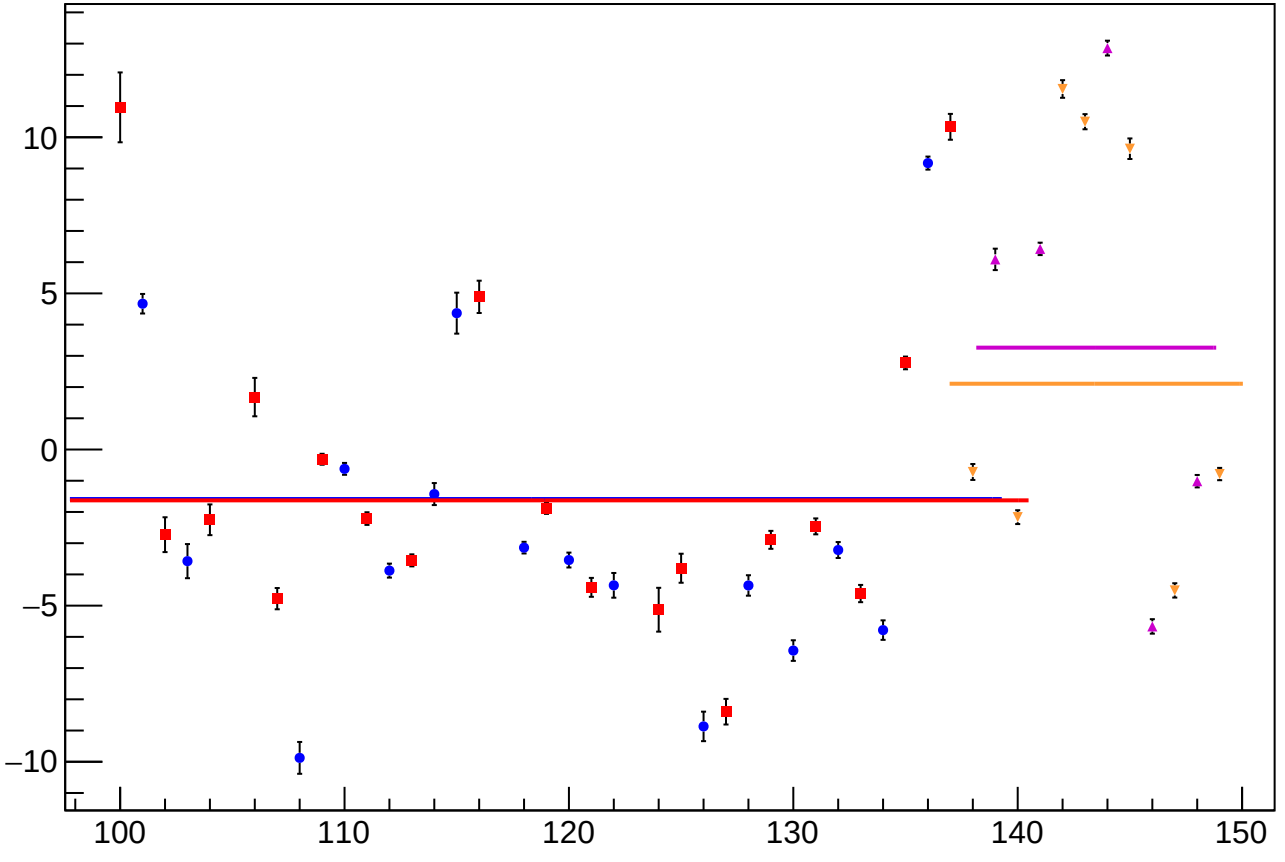
Left In: -28.768+/-0.114 χ^2/NDF:54602.6/4

+ sign -4.971+/-0.056 χ^2/NDF: 231313.3/22

All: -3.646+/-0.039 χ^2/NDF: 430134.5/46

- 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: 2.107+/-0.092 χ^2/NDF:4377.8/6

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

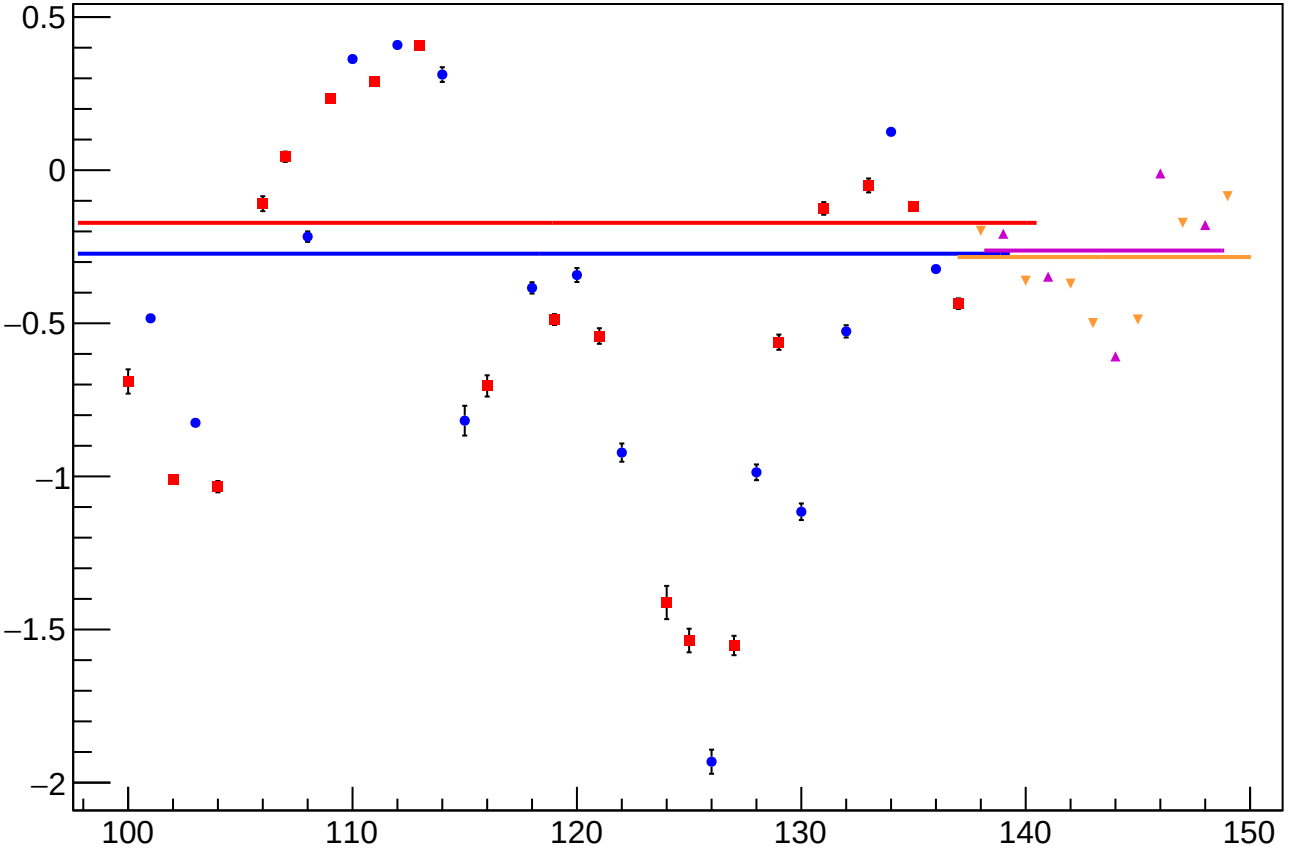
Left In: 3.262+/-0.103 χ^2/NDF:3890.1/4

+ sign -0.205+/-0.056 χ^2/NDF: 9867.6/22

All: -0.202+/-0.039 χ^2/NDF: 17791.4/46

- 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: -0.284+/-0.004 χ^2/NDF:1183.9/6

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

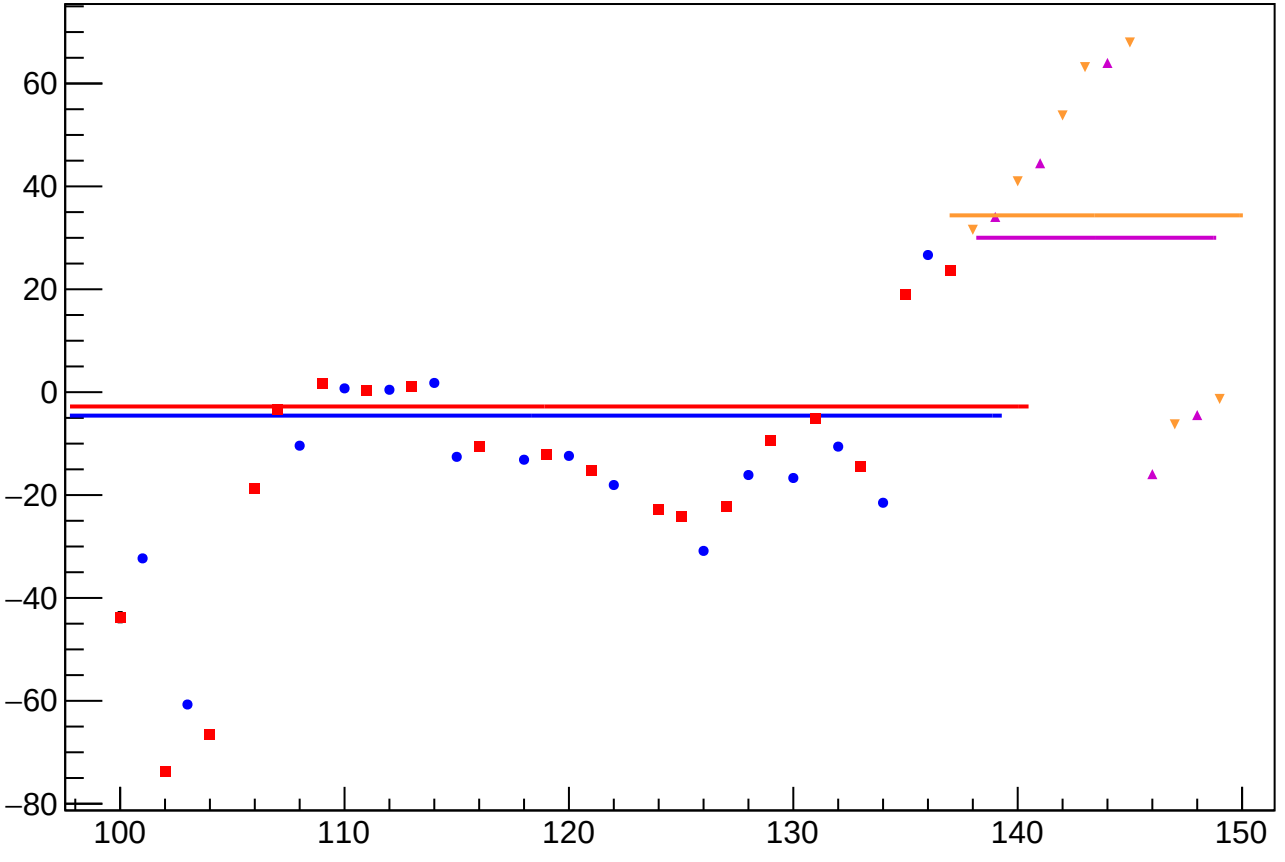
Left In: -0.262+/-0.005 χ^2/NDF:1287.5/4

+ sign -0.278+/-0.003 χ^2/NDF: 13043.5/22

All: -0.244+/-0.002 χ^2/NDF: 30147.5/46

- 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: 34.371+/-0.104 χ^2/NDF:53894.8/6

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

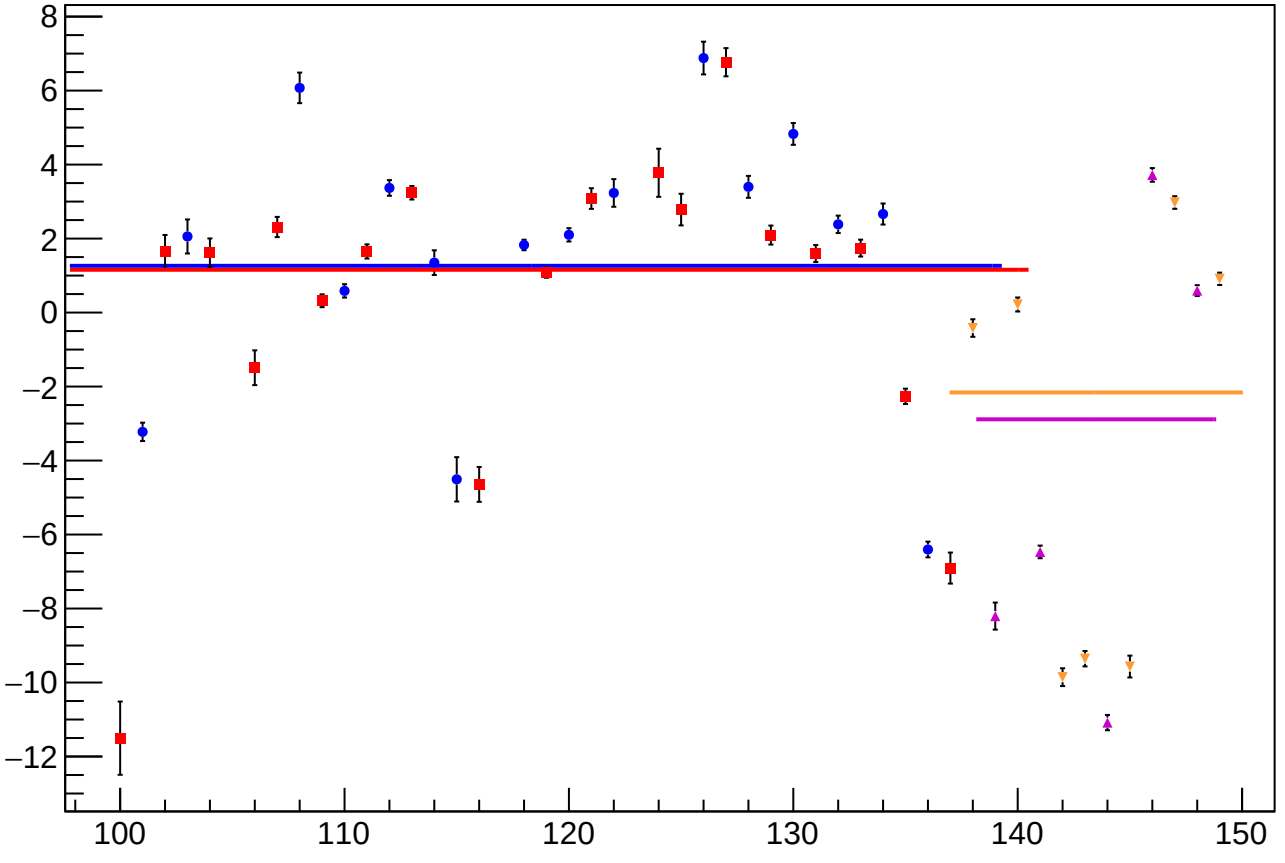
Left In: 30.018+/-0.115 χ^2/NDF:51362.3/4

+ sign 4.328+/-0.050 χ^2/NDF: 233730.1/22

All: 3.131+/-0.033 χ^2/NDF: 433033.1/46

- 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: -2.159+/-0.077 χ^2/NDF:4304.5/6

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

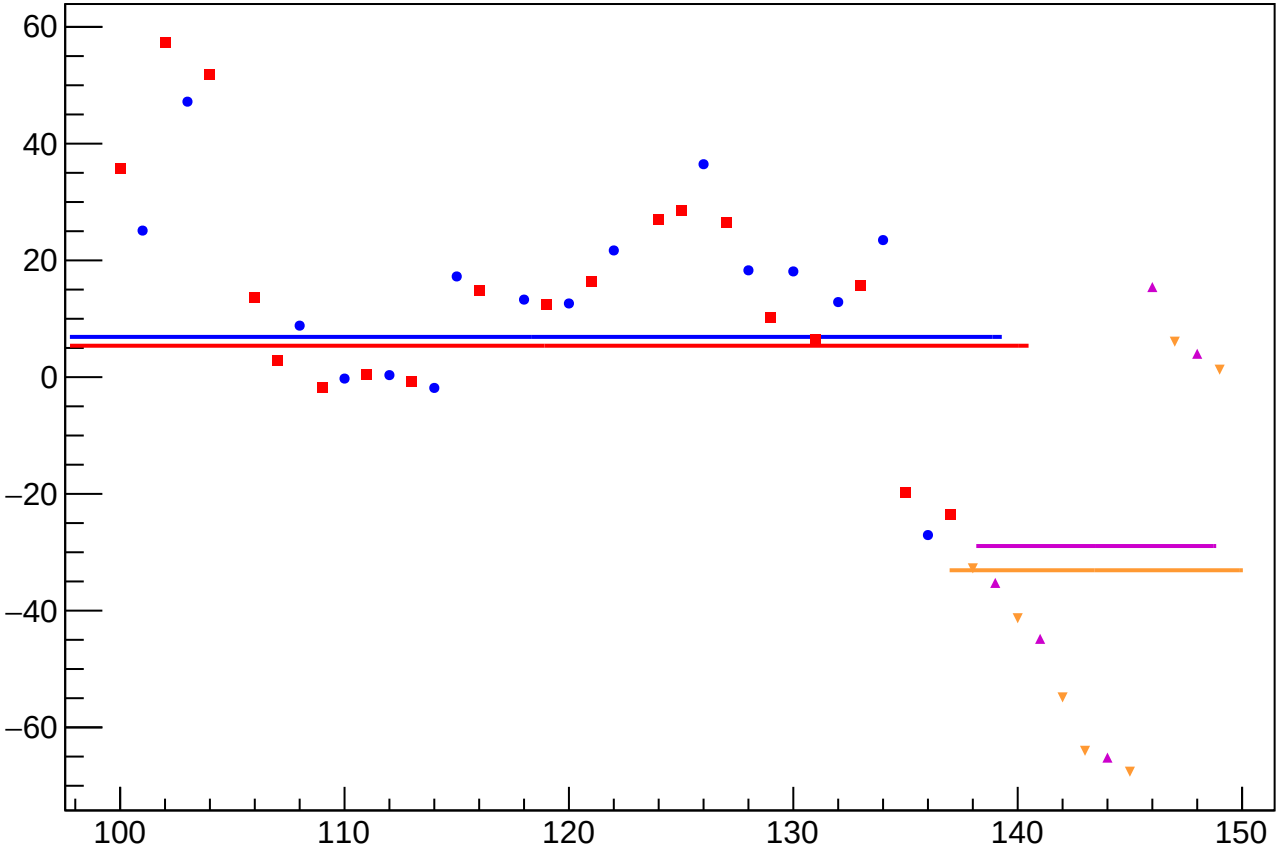
Left In: -2.885+/-0.084 χ^2/NDF:4056.5/4

+ sign -0.079+/-0.048 χ^2/NDF: 7942.1/22

All: -0.127+/-0.034 χ^2/NDF: 15032.1/46

- 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: -33.083+/-0.105 χ^2/NDF:57536.2/6

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

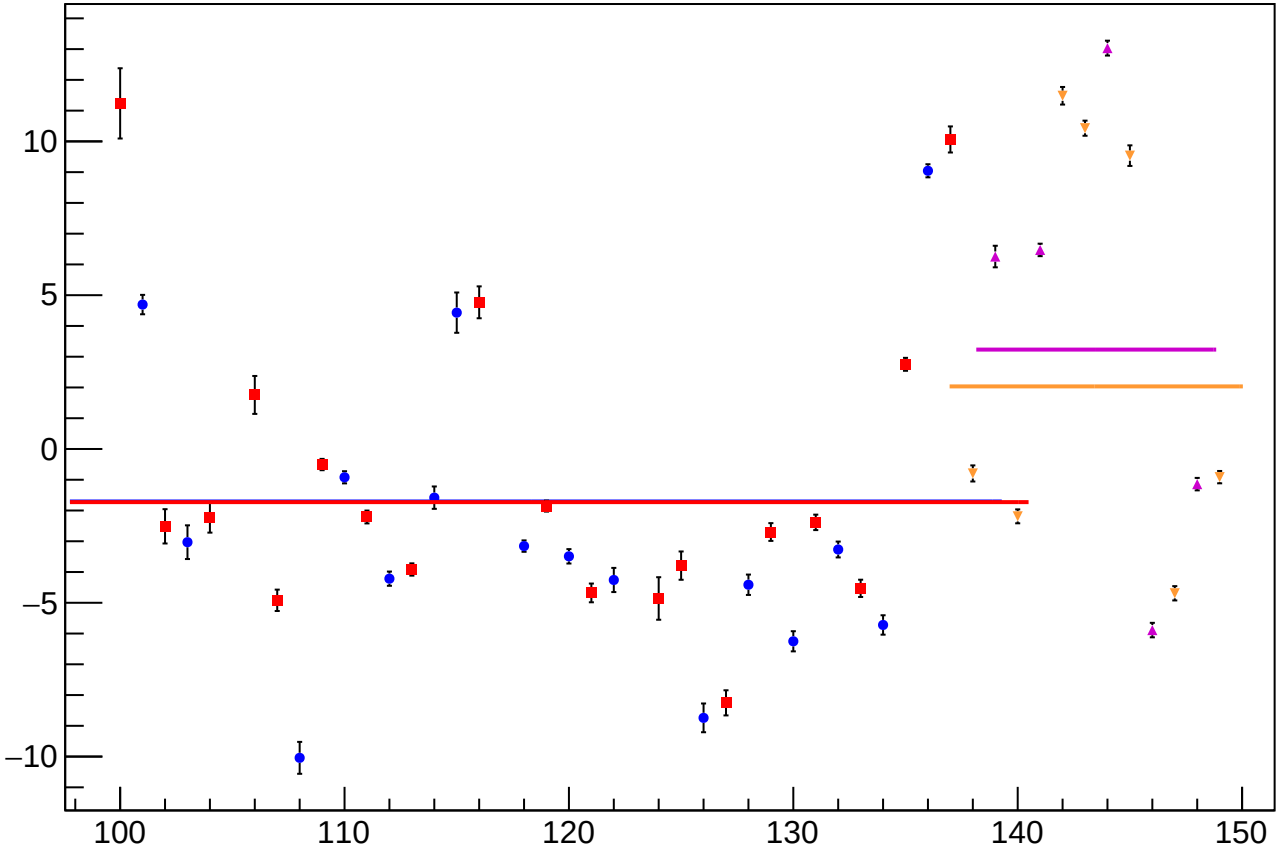
Left In: -28.931+/-0.116 χ^2/NDF:54424.9/4

+ sign -4.739+/-0.057 χ^2/NDF: 228076.7/22

All: -3.412+/-0.039 χ^2/NDF: 424044.8/46

- 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: 2.034+/-0.093 χ^2/NDF:4277.2/6

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

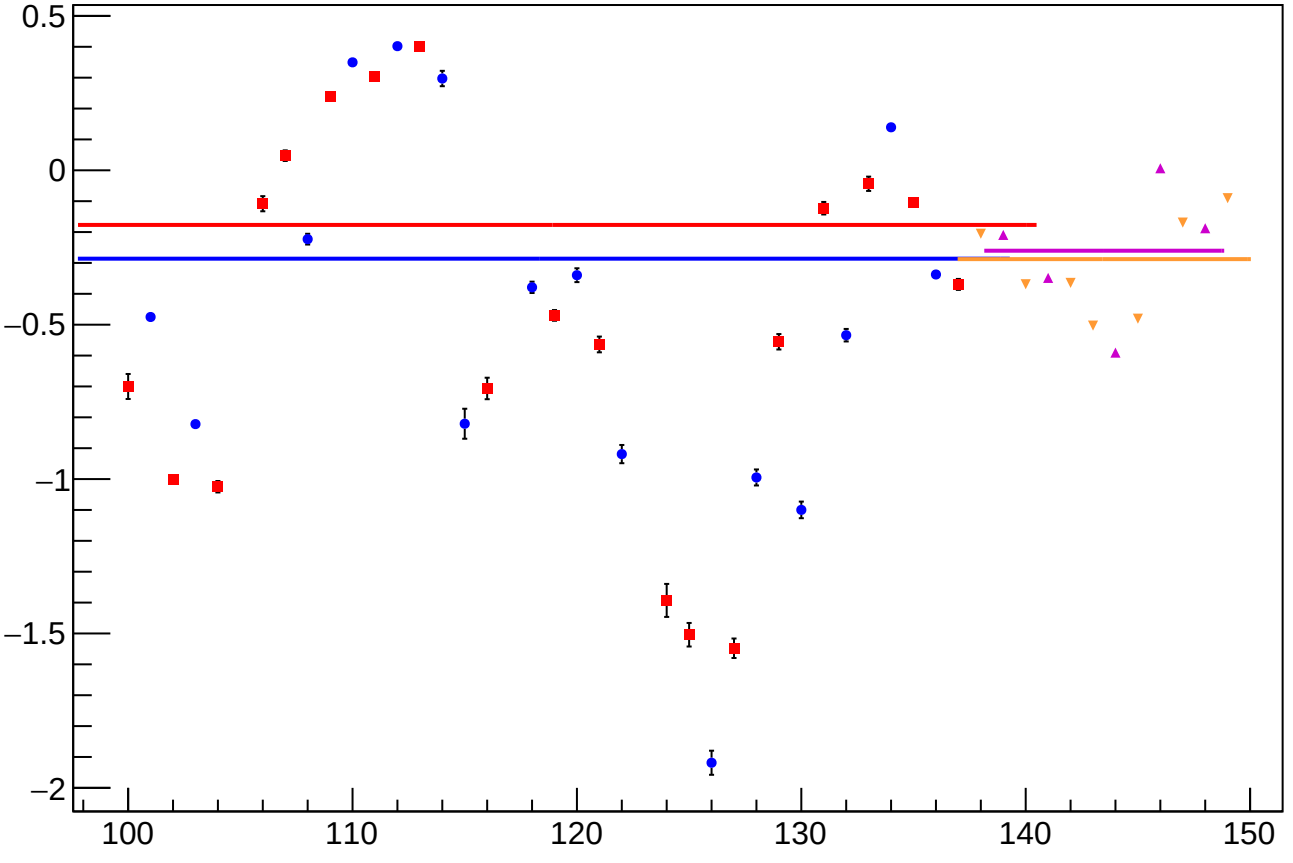
Left In: 3.231+/-0.104 χ^2/NDF:3932.6/4

+ sign -0.320+/-0.057 χ^2/NDF: 9581.0/22

All: -0.302+/-0.040 χ^2/NDF: 17425.0/46

- 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: -0.288+/-0.004 χ^2/NDF:1114.2/6

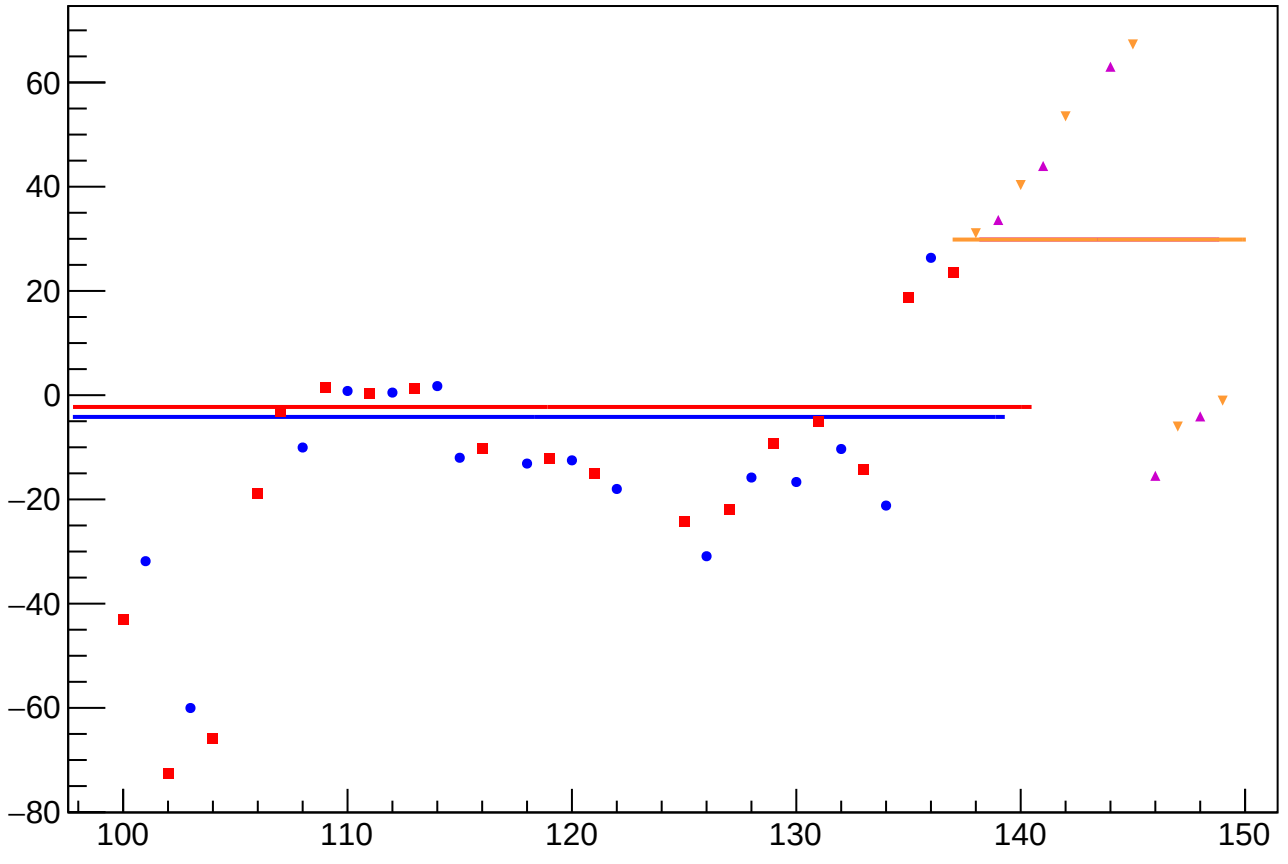
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.260+/-0.005 χ^2/NDF:1208.1/4

+ sign -0.287+/-0.003 χ^2/NDF: 12475.4/22

All: -0.249+/-0.002 χ^2/NDF: 28945.9/46

- 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: 29.858+/-0.109 χ^2/NDF:43417.3/5

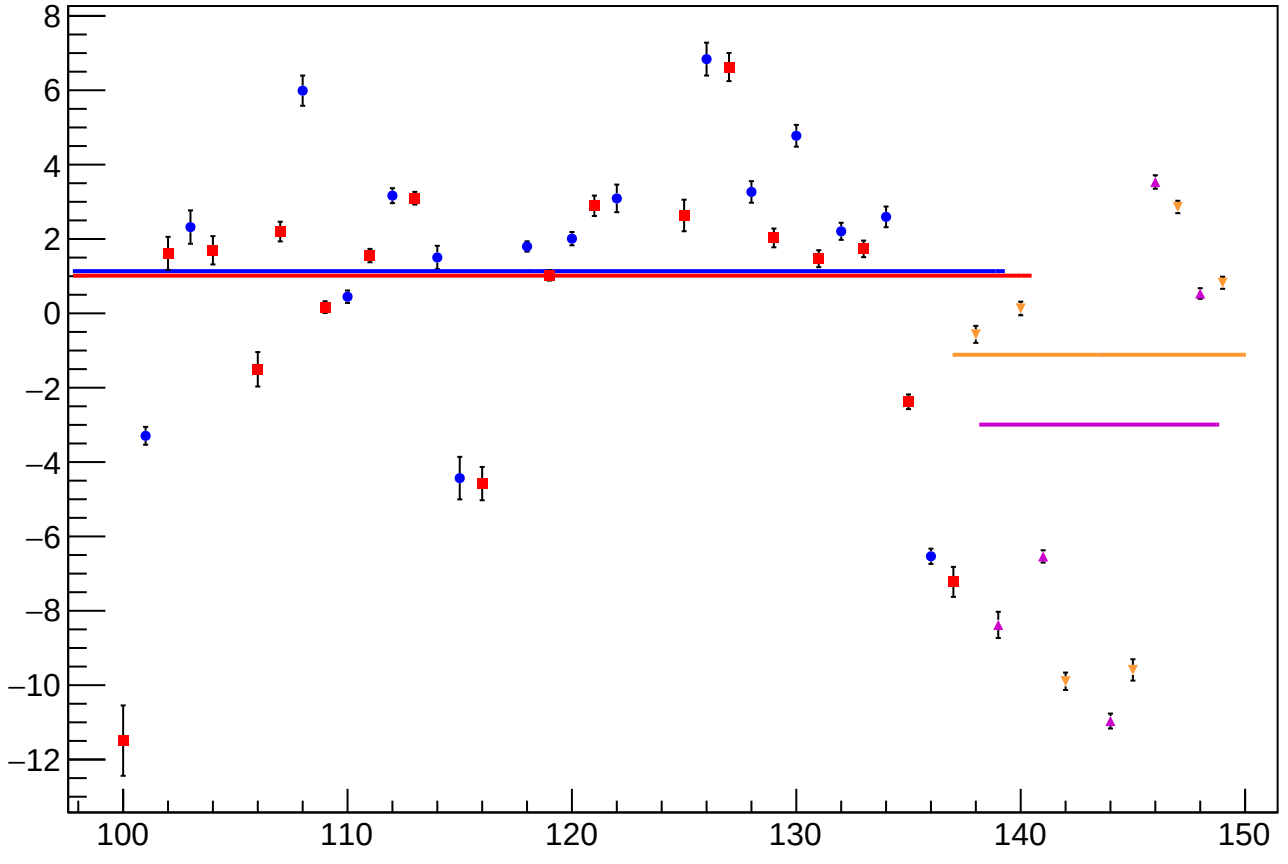
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 29.867+/-0.112 χ^2/NDF:52027.9/4

+ sign 2.667+/-0.049 χ^2/NDF: 197326.6/21

All: 2.521+/-0.032 χ^2/NDF: 399799.5/44

- 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: -1.114+/-0.081 χ^2/NDF:3033.0/5

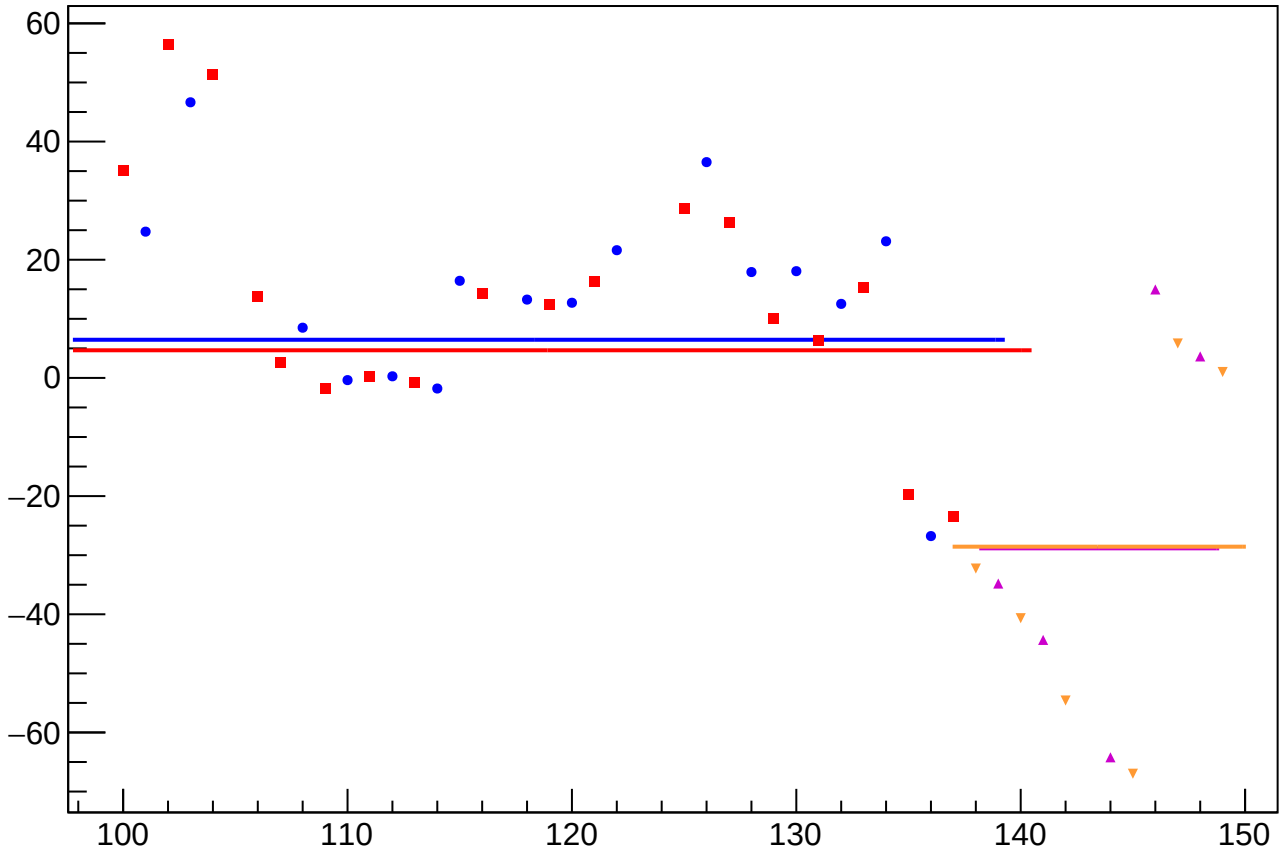
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -2.992+/-0.082 χ^2/NDF:4167.8/4

+ sign 0.335+/-0.048 χ^2/NDF: 6125.8/21

All: 0.010+/-0.034 χ^2/NDF: 13578.0/44

- 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: -28.558+/-0.109 χ^2/NDF:46215.7/5

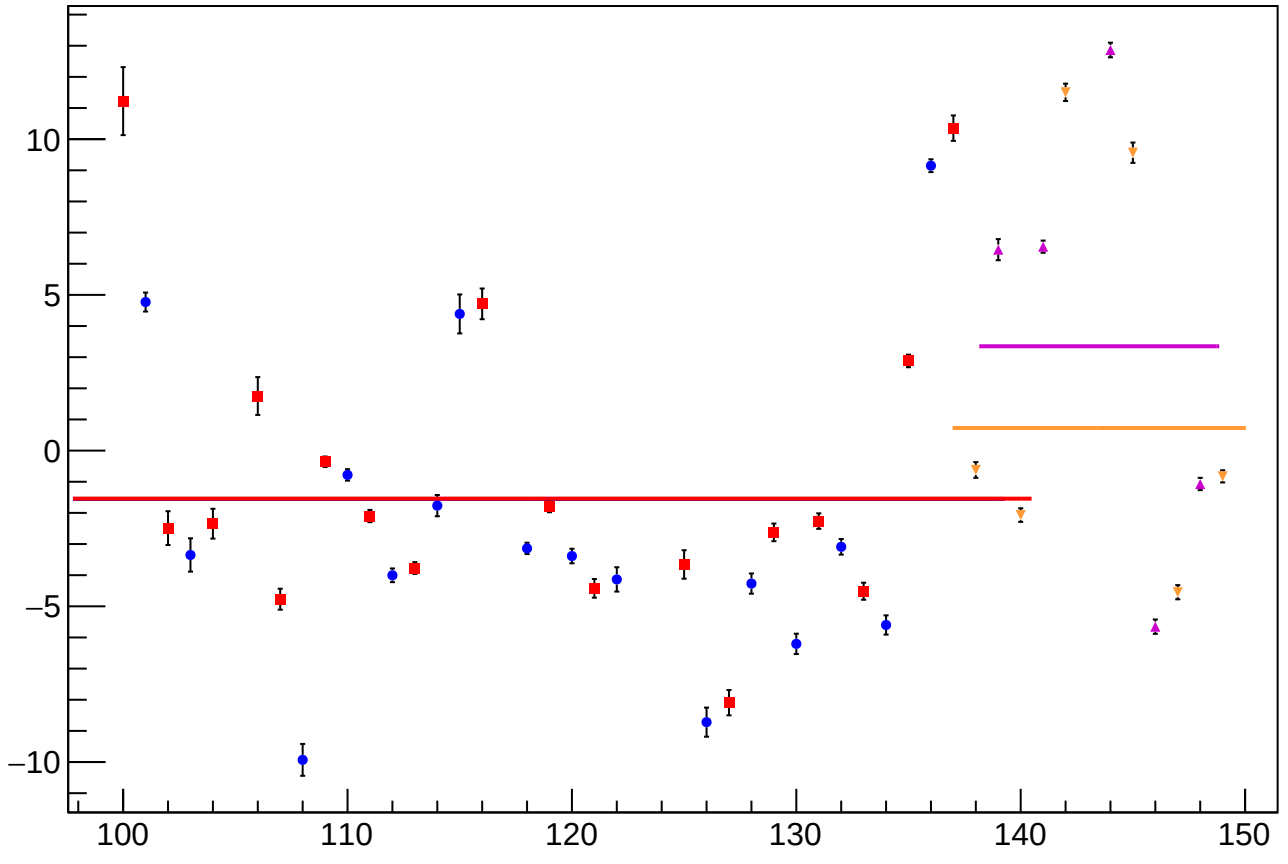
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -28.842+/-0.113 χ^2/NDF:55197.9/4

+ sign -2.718+/-0.056 χ^2/NDF: 193151.5/21

All: -2.639+/-0.038 χ^2/NDF: 392334.0/44

- 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: 0.727+/-0.098 χ^2/NDF:3015.4/5

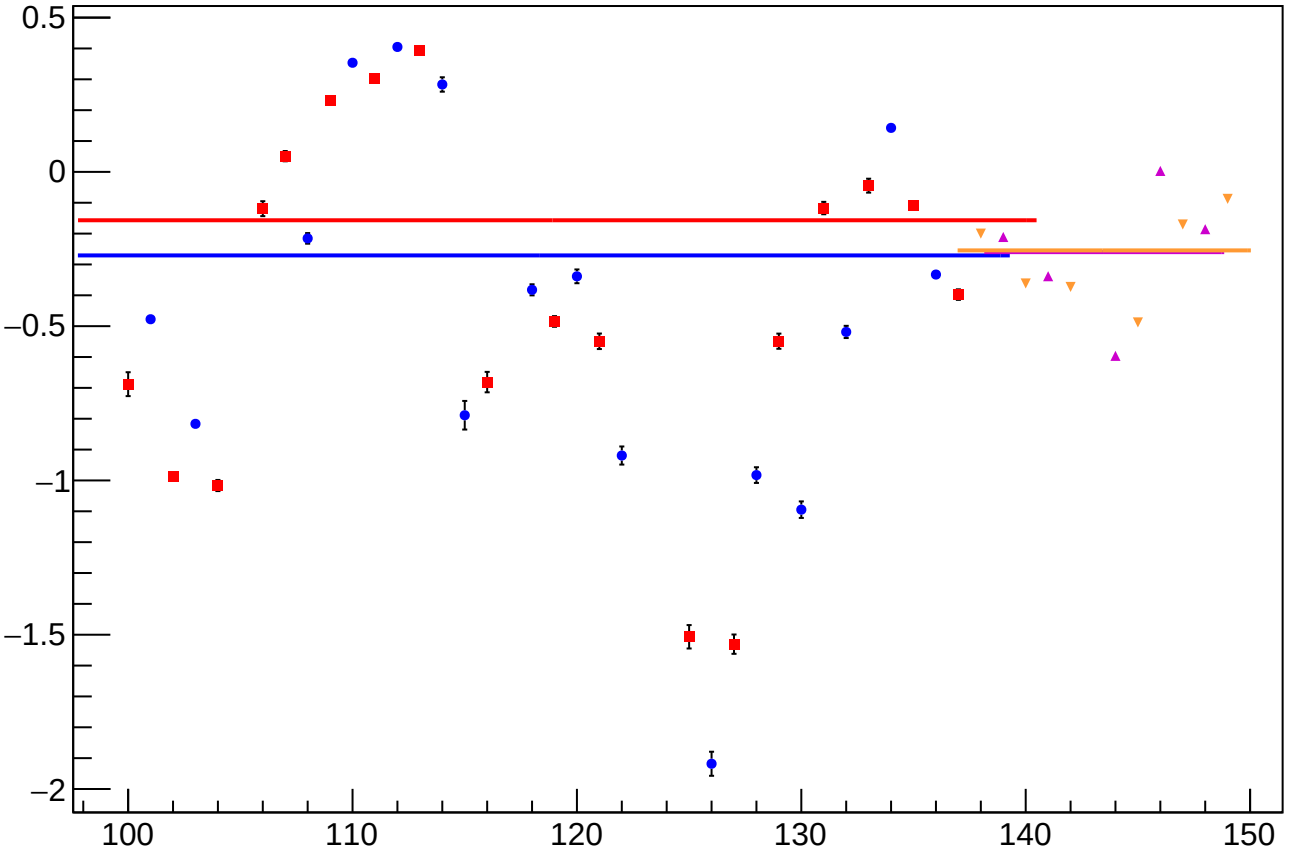
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 3.350+/-0.101 χ^2/NDF:4008.4/4

+ sign -0.792+/-0.057 χ^2/NDF: 7919.5/21

All: -0.450+/-0.039 χ^2/NDF: 16126.8/44

- 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: -0.254+/-0.004 χ^2/NDF:823.5/5

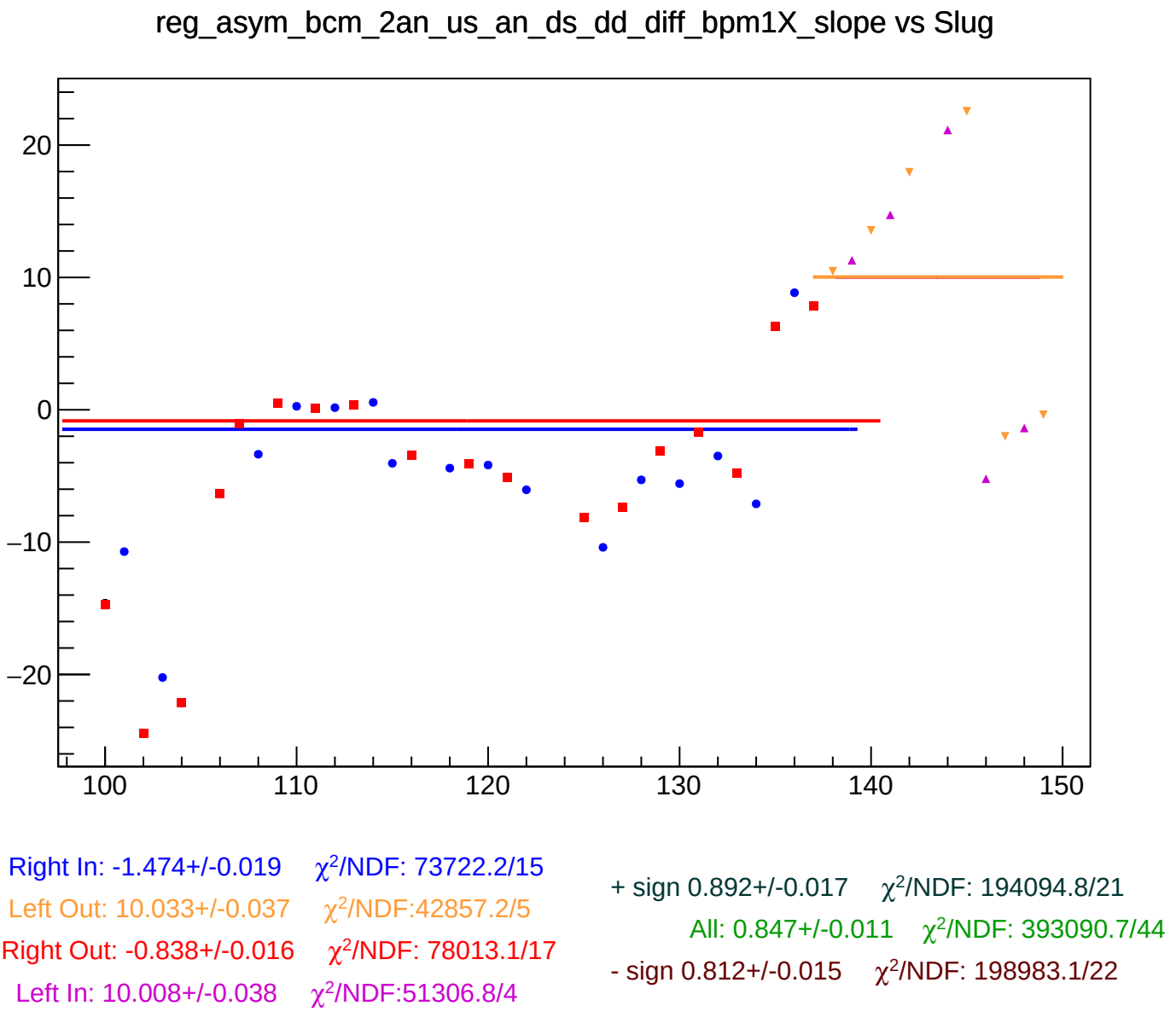
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

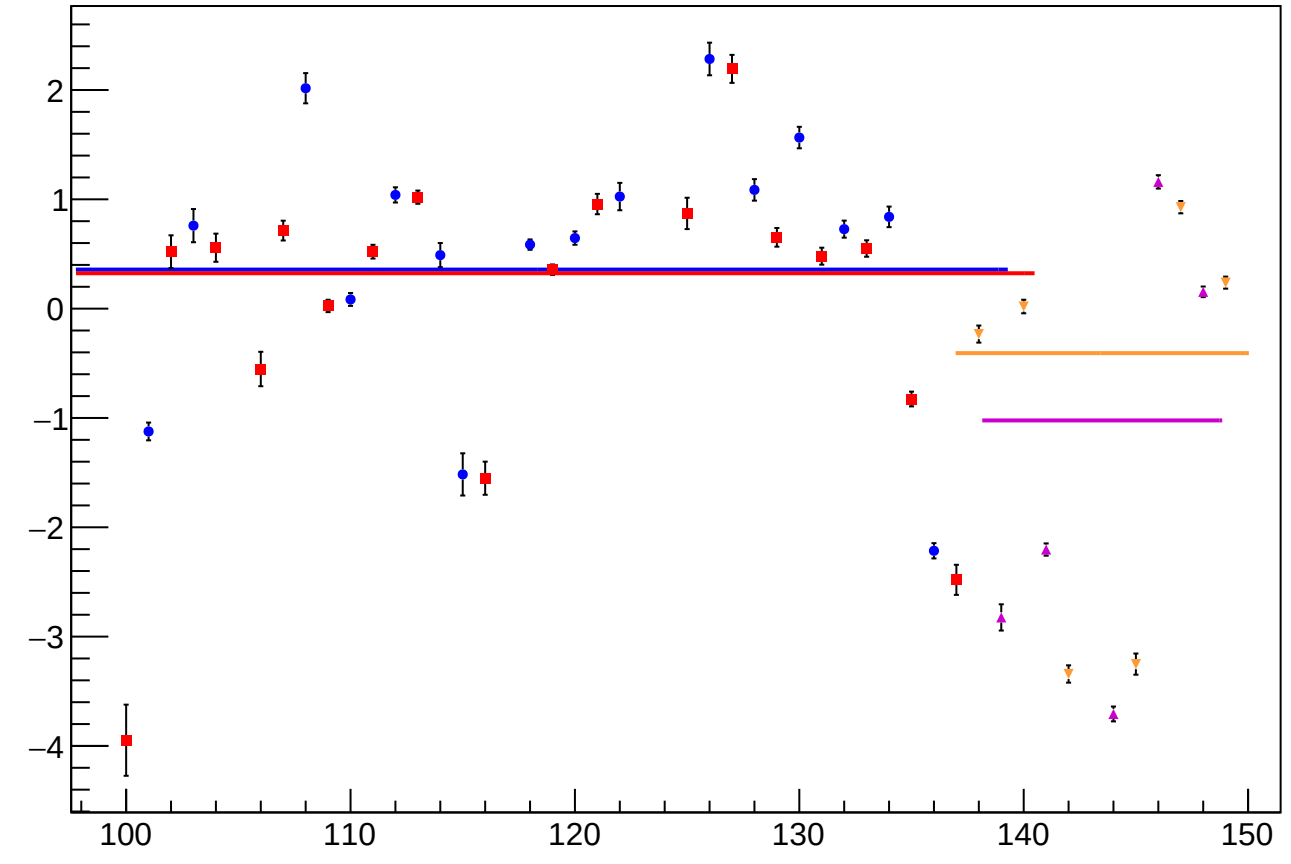
Left In: -0.260+/-0.004 χ^2/NDF:1267.1/4

+ sign -0.263+/-0.003 χ^2/NDF: 12926.7/21

All: -0.230+/-0.002 χ^2/NDF: 29750.1/44

- 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: 10.033+/-0.037 χ²/NDF:42857.2/5
Right Out: -0.838+/-0.016 χ²/NDF: 78013.1/17
Left In: 10.008+/-0.038 χ²/NDF:51306.8/4
+ sign 0.892+/-0.017 χ²/NDF: 194094.8/21
All: 0.847+/-0.011 χ²/NDF: 393090.7/44
- sign 0.812+/-0.015 χ²/NDF: 198983.1/22



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -0.407+/-0.027 χ^2/NDF:2982.1/5

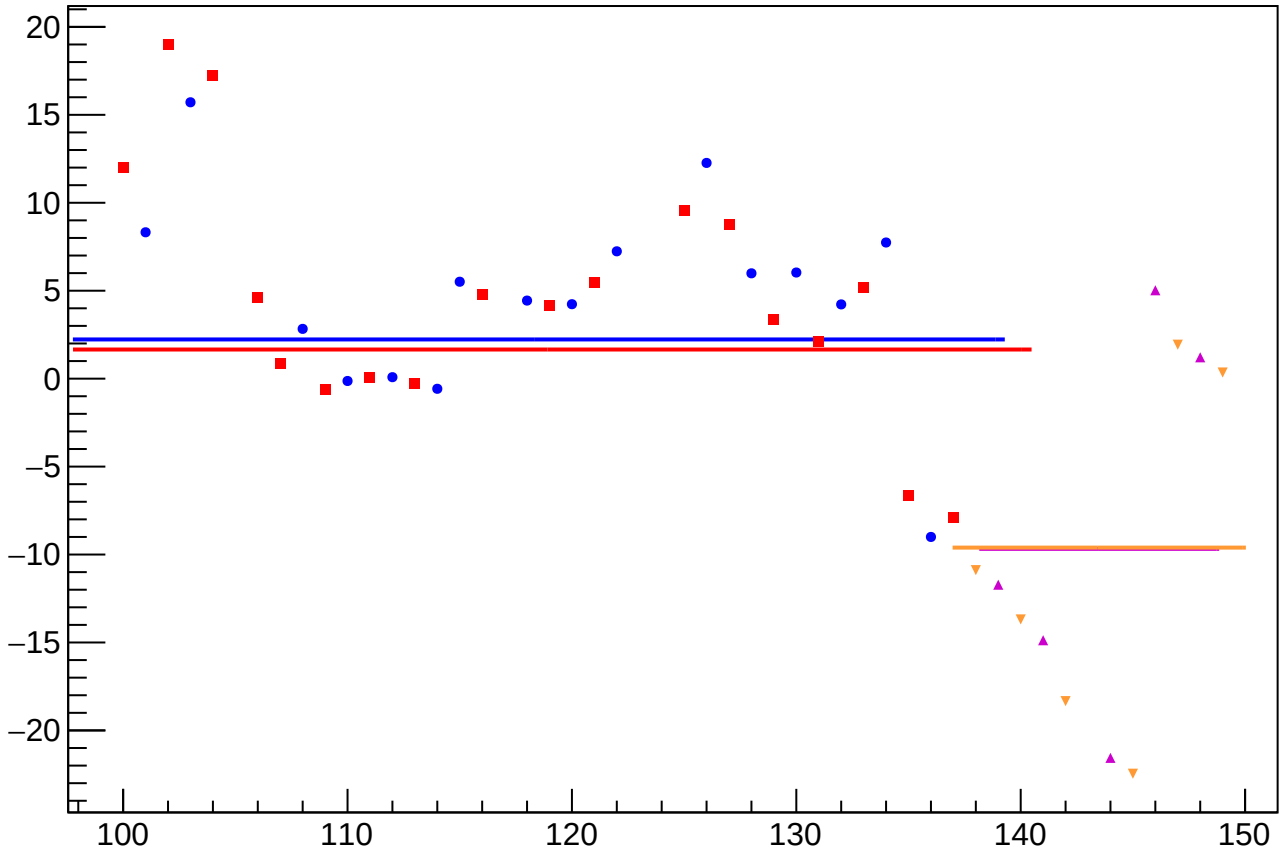
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -1.023+/-0.028 χ^2/NDF:4091.8/4

\+ sign 0.082+/-0.016 χ^2/NDF: 6022.1/21

All: -0.025+/-0.011 χ^2/NDF: 13318.1/44

\- 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: -9.606+/-0.037 χ^2/NDF:45630.1/5

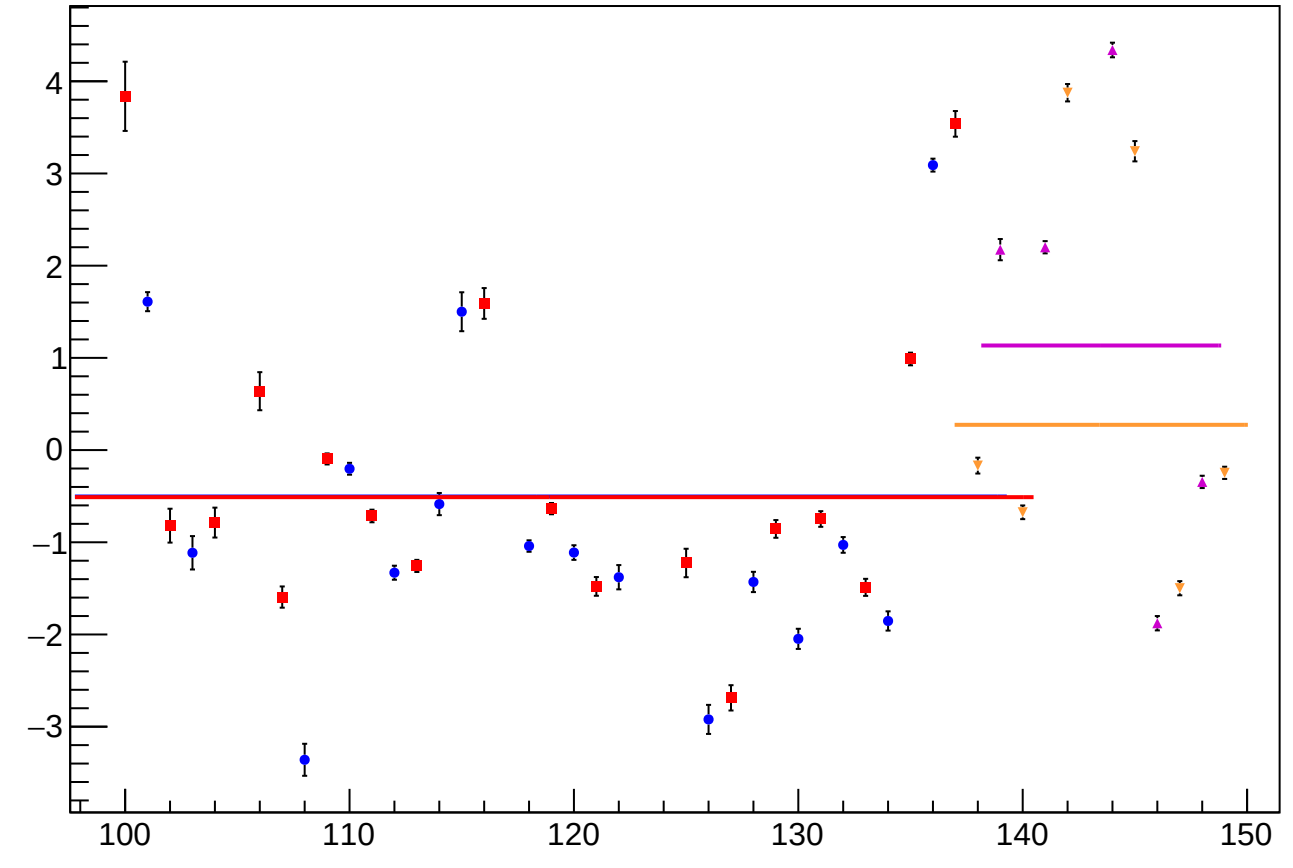
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -9.677+/-0.038 χ^2/NDF:54437.4/4

+ sign -0.918+/-0.019 χ^2/NDF: 190005.2/21

All: -0.895+/-0.013 χ^2/NDF: 385847.5/44

- 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: 0.274+/-0.033 χ^2/NDF:2966.1/5

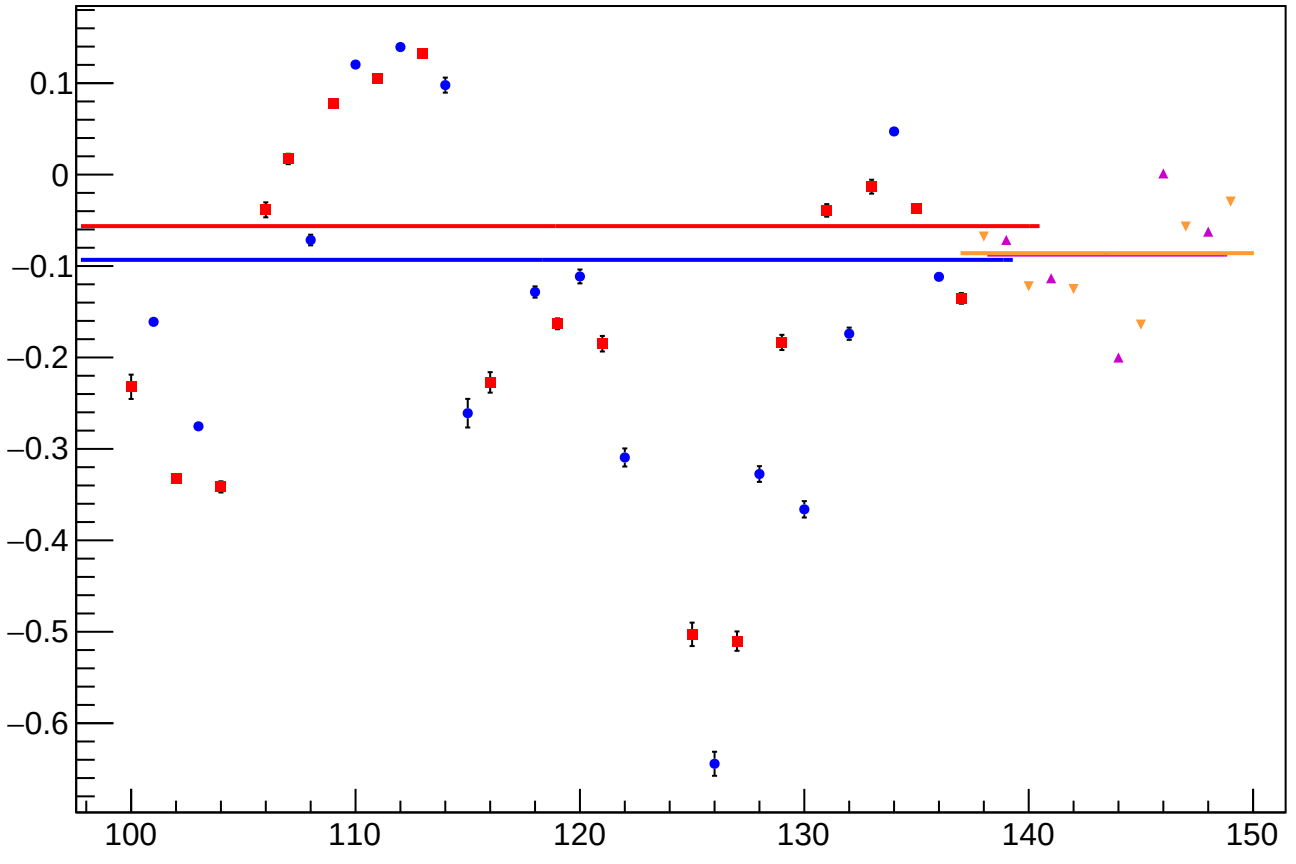
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 1.134+/-0.034 χ^2/NDF:3948.2/4

+ sign -0.241+/-0.019 χ^2/NDF: 7776.7/21

All: -0.129+/-0.013 χ^2/NDF: 15829.4/44

- sign -0.024+/-0.019 χ^2/NDF: 7987.4/22



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.086+/-0.002 χ^2/NDF:814.2/5

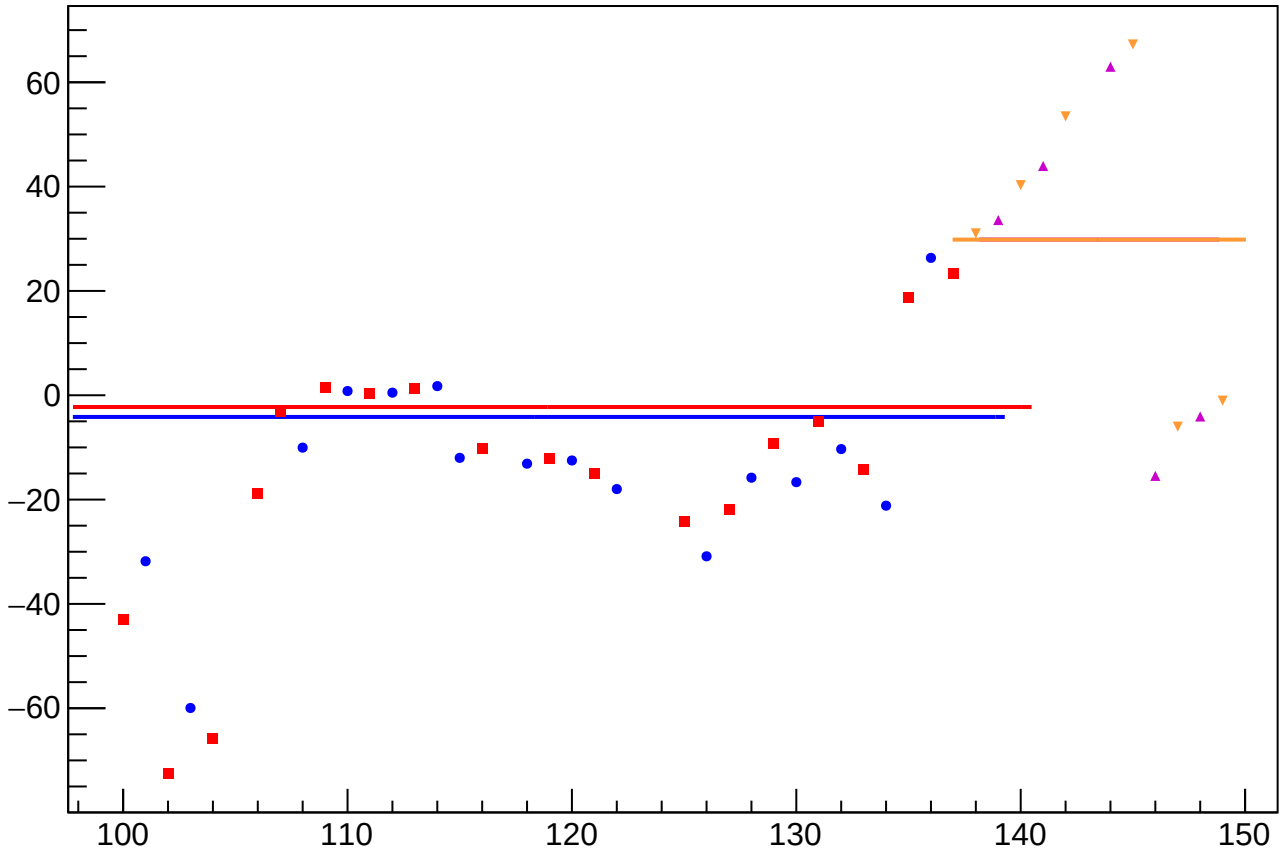
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.088+/-0.002 χ^2/NDF:1247.1/4

+ sign -0.090+/-0.001 χ^2/NDF: 12568.9/21

All: -0.079+/-0.001 χ^2/NDF: 28715.1/44

- sign -0.070+/-0.001 χ^2/NDF: 15947.9/22



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 29.838+/-0.108 χ^2/NDF:43407.2/5

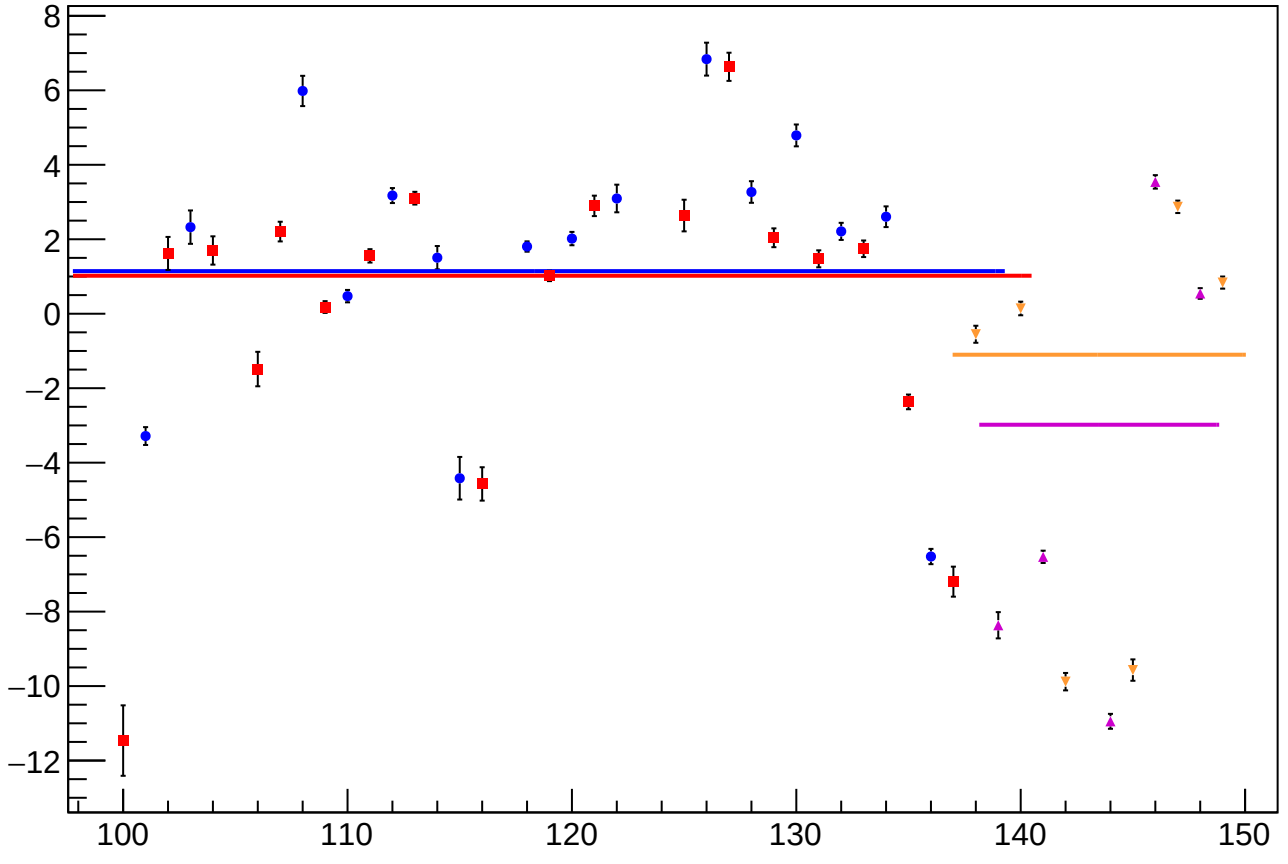
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 29.847+/-0.112 χ^2/NDF:52034.5/4

+ sign 2.668+/-0.049 χ^2/NDF: 197324.9/21

All: 2.521+/-0.032 χ^2/NDF: 399815.5/44

- 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: -1.101+/-0.081 χ^2/NDF:3034.4/5

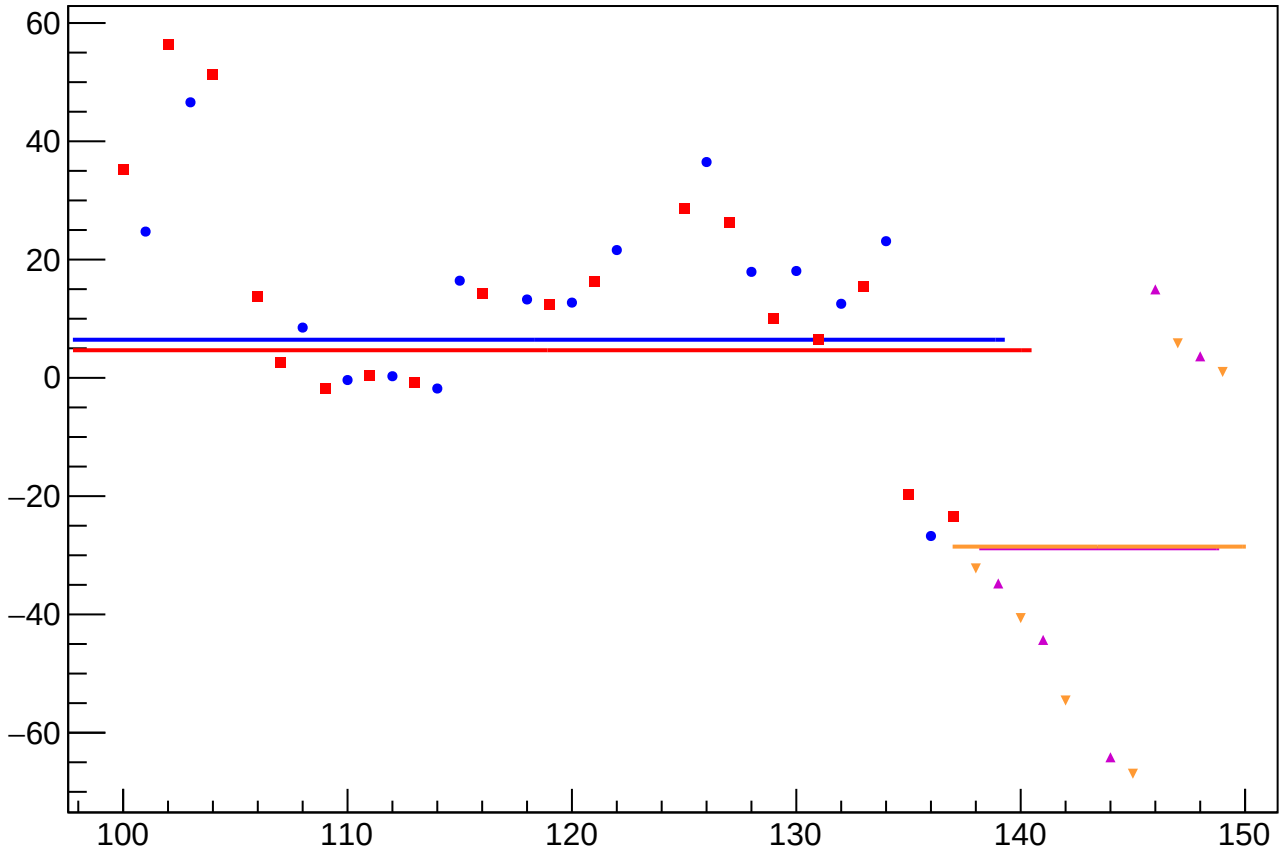
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -2.981+/-0.082 χ^2/NDF:4170.1/4

+ sign 0.345+/-0.048 χ^2/NDF: 6125.9/21

All: 0.020+/-0.034 χ^2/NDF: 13578.7/44

- 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: -28.534+/-0.109 χ^2/NDF:46203.0/5

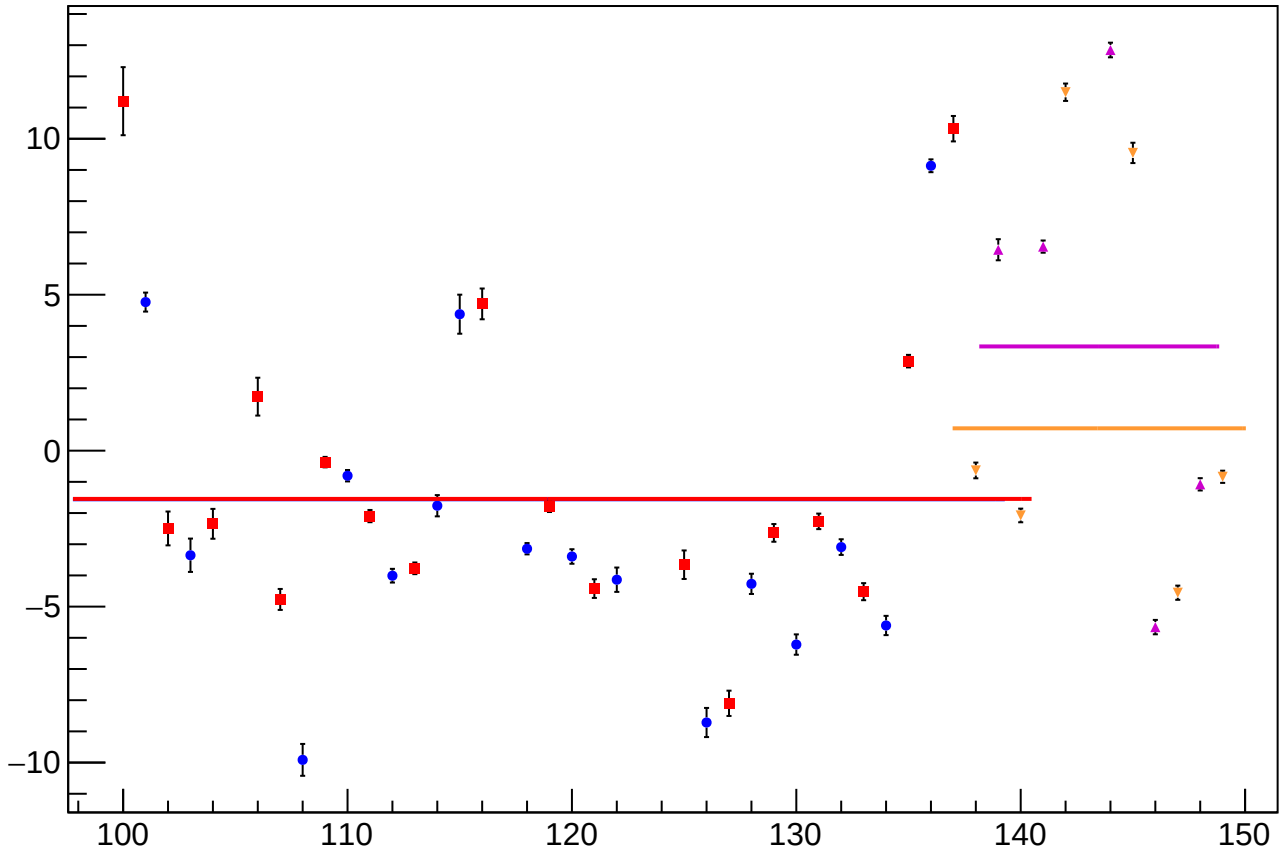
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -28.817+/-0.112 χ^2/NDF:55203.2/4

+ sign -2.715+/-0.056 χ^2/NDF: 193145.1/21

All: -2.633+/-0.038 χ^2/NDF: 392336.1/44

- 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: 0.716+/-0.098 χ^2/NDF:3016.5/5

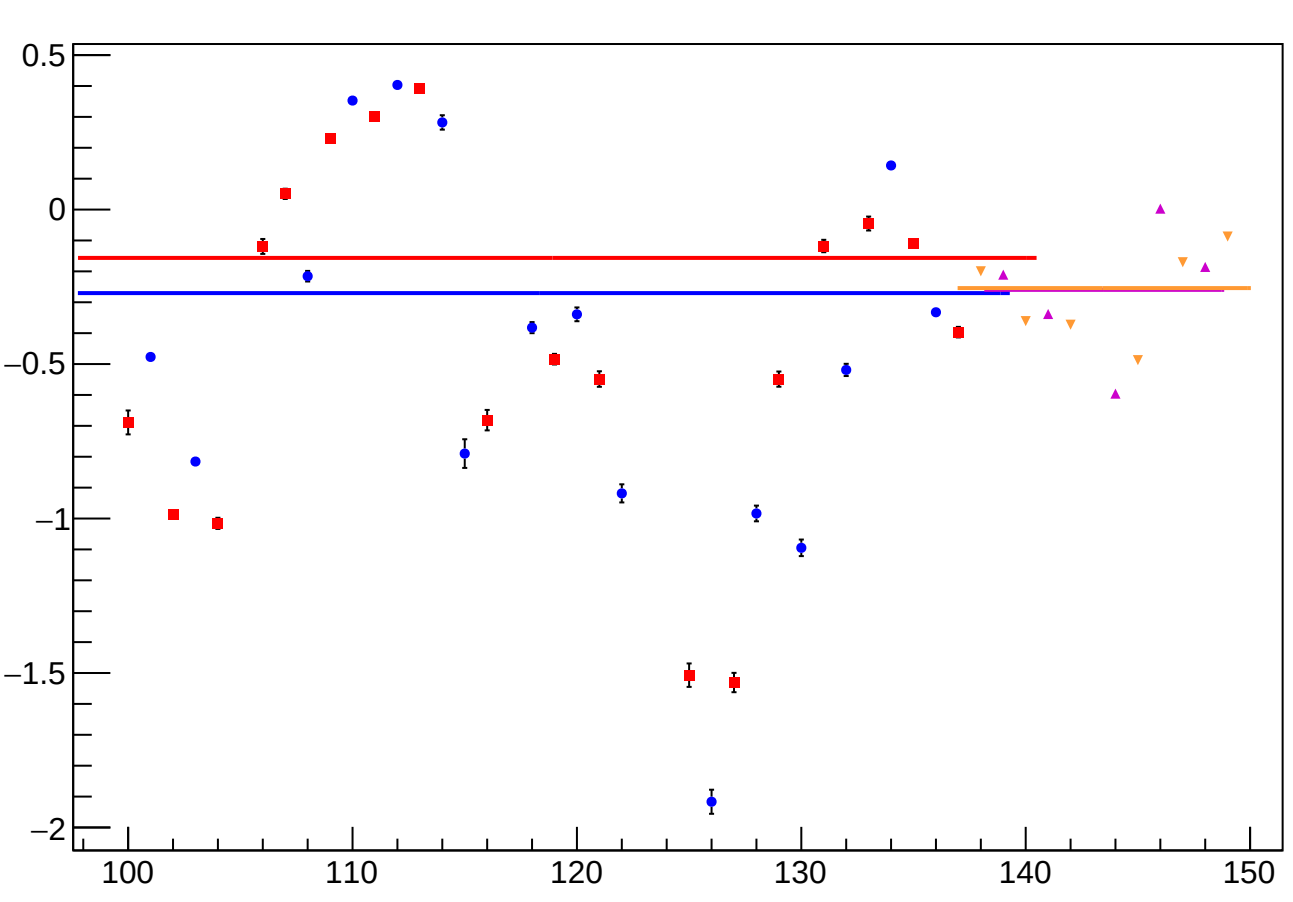
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 3.342+/-0.101 χ^2/NDF:4009.4/4

+ sign -0.800+/-0.057 χ^2/NDF: 7919.3/21

All: -0.457+/-0.039 χ^2/NDF: 16125.2/44

- 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: -0.254+/-0.004 χ^2/NDF:823.0/5

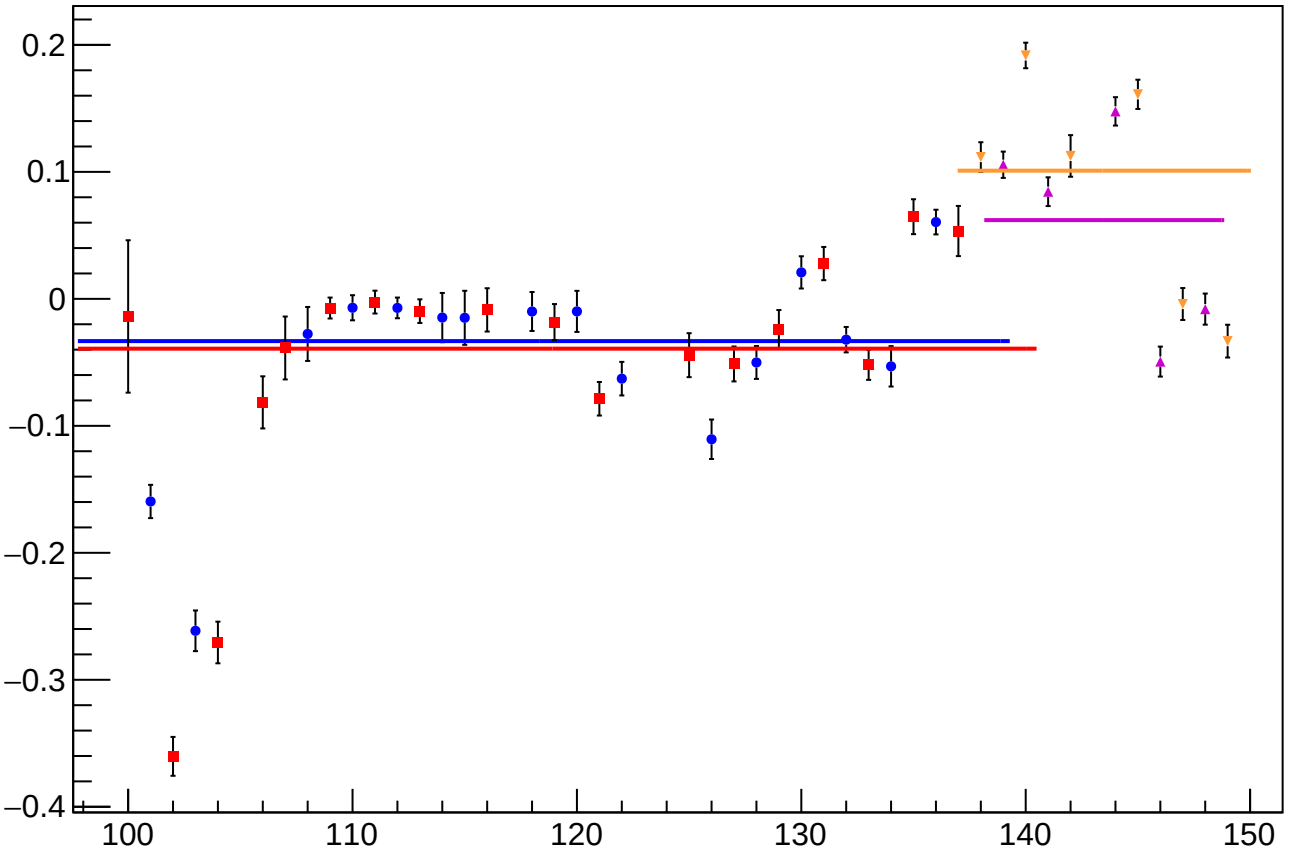
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.260+/-0.004 χ^2/NDF:1267.4/4

+ sign -0.263+/-0.003 χ^2/NDF: 12926.8/21

All: -0.230+/-0.002 χ^2/NDF: 29763.5/44

- sign -0.200+/-0.003 χ^2/NDF: 16610.7/22



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.101+/-0.005 χ^2/NDF:287.7/5

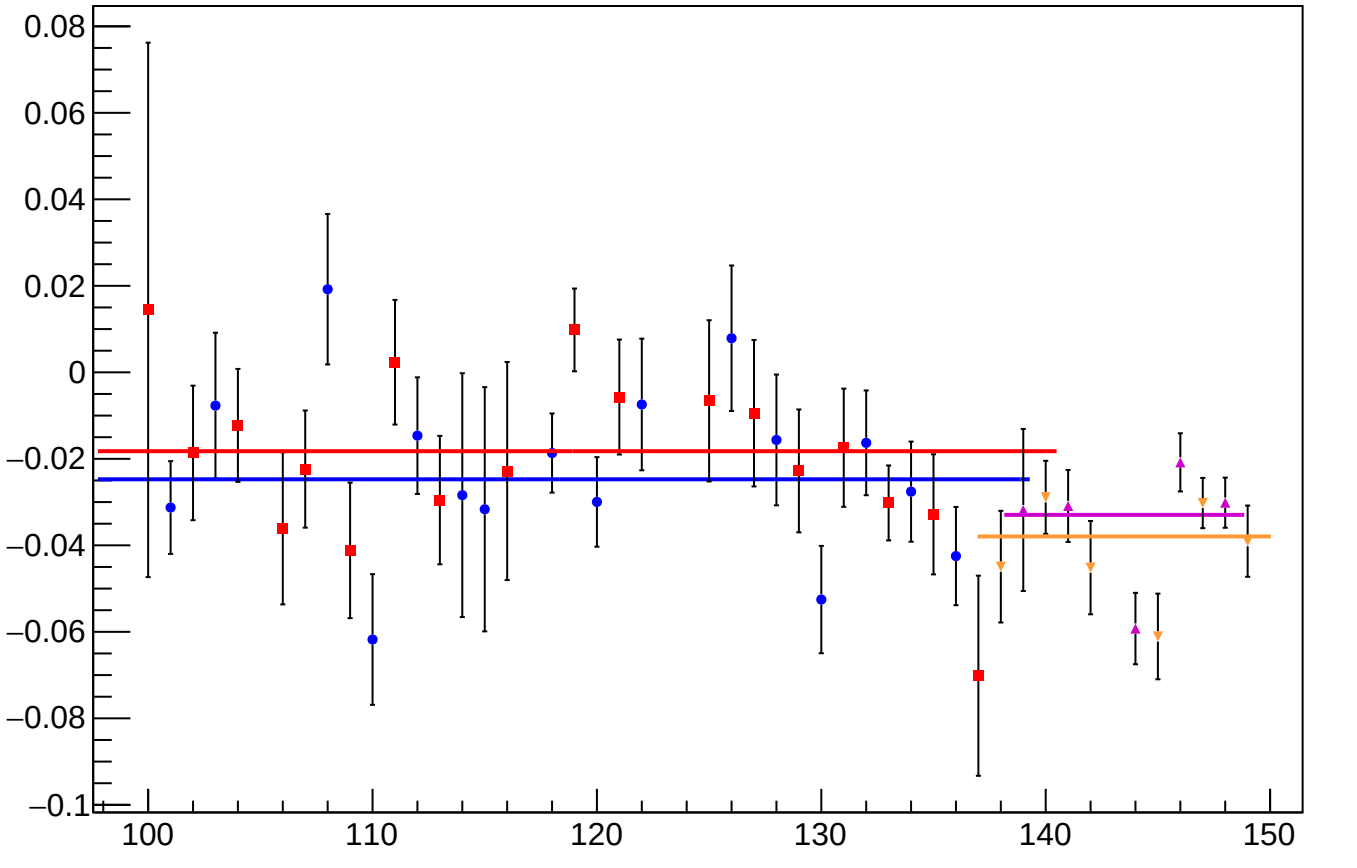
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.062+/-0.005 χ^2/NDF:202.2/4

+ sign 0.007+/-0.003 χ^2/NDF: 1268.0/21

All: -0.002+/-0.002 χ^2/NDF: 2584.2/44

- sign -0.011+/-0.003 χ^2/NDF: 1296.1/22



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.038+/-0.003 χ^2/NDF:9.1/5

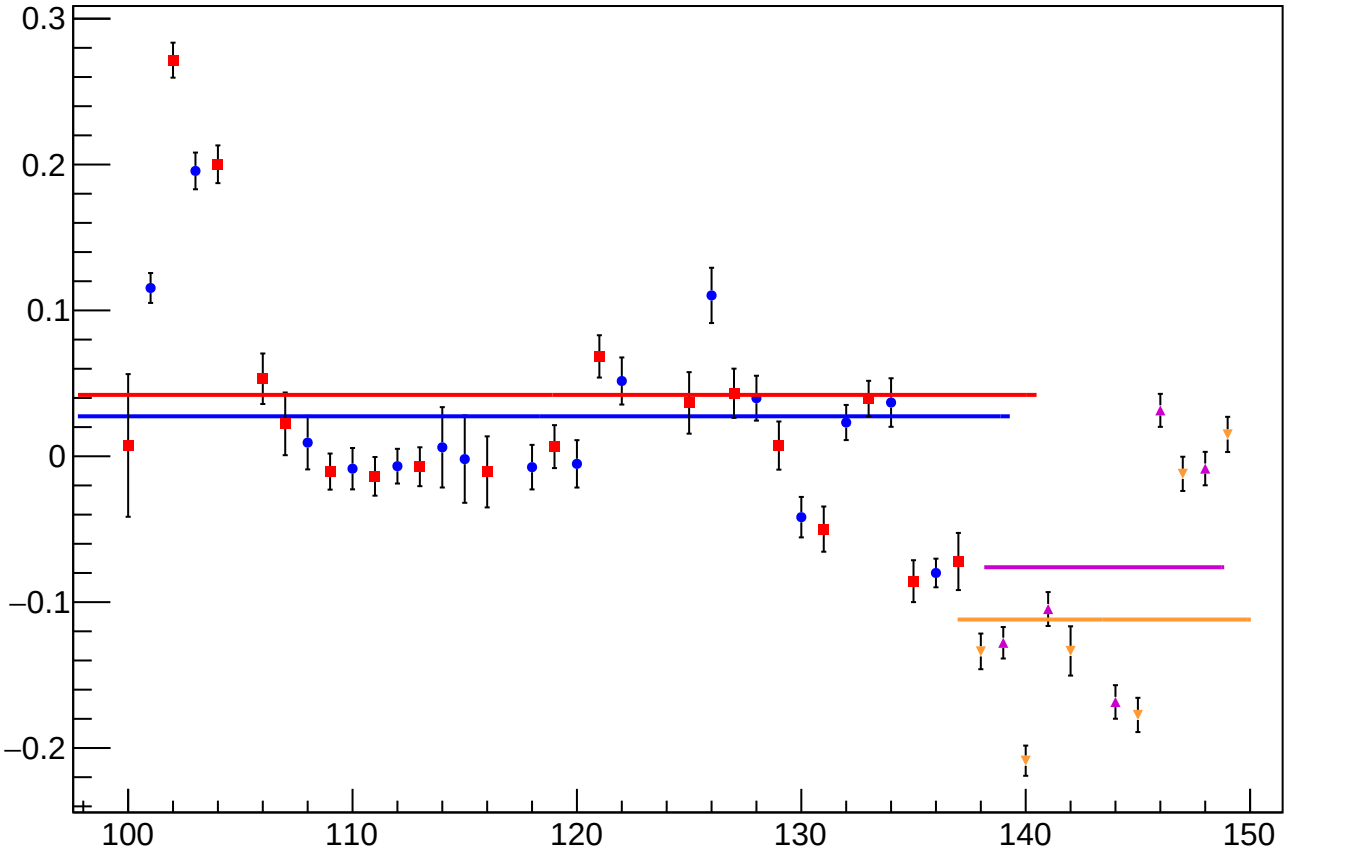
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.033+/-0.003 χ^2/NDF:13.7/4

+ sign -0.031+/-0.002 χ^2/NDF: 45.2/21

All: -0.028+/-0.002 χ^2/NDF: 95.6/44

- 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: -0.112+/-0.005 χ^2/NDF:306.4/5

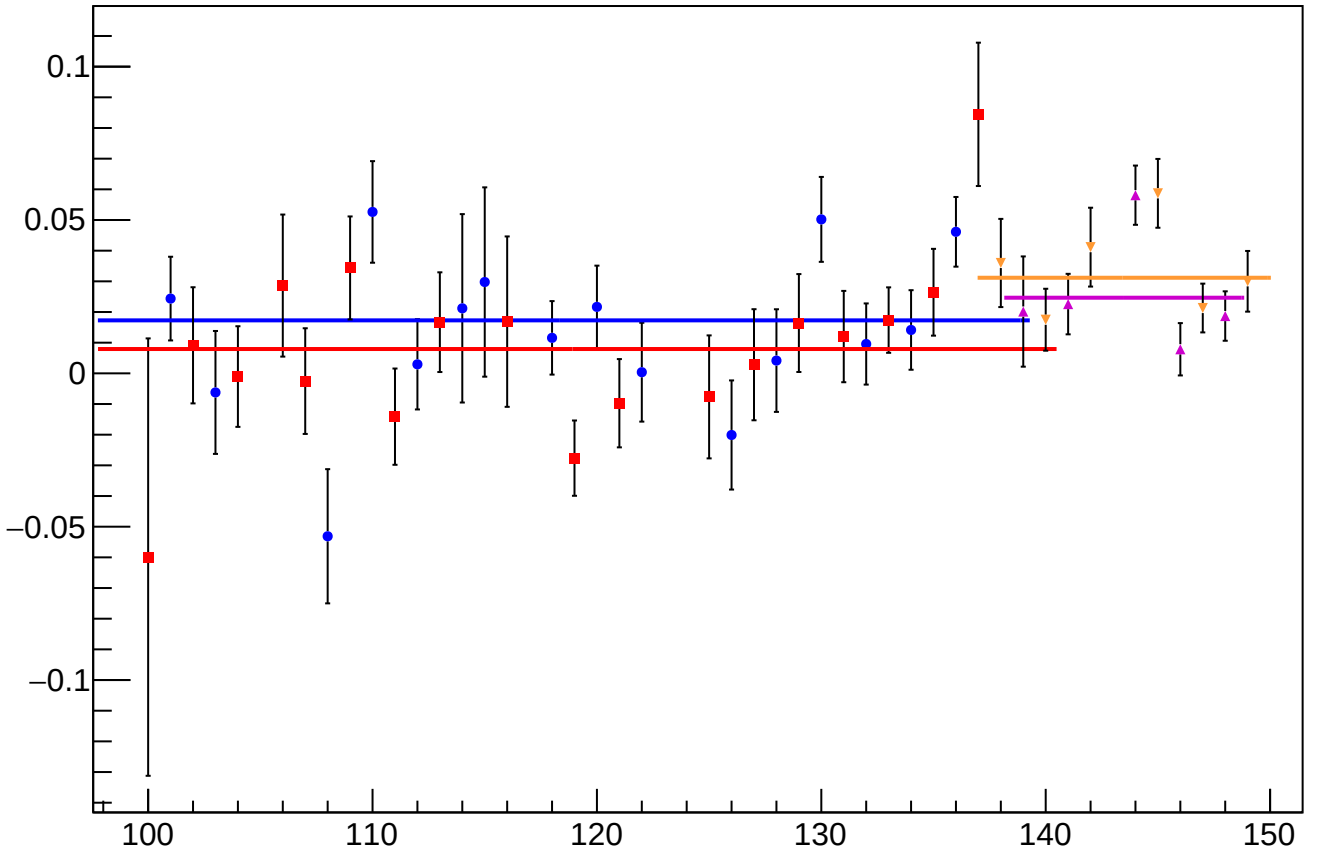
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.076+/-0.005 χ^2/NDF:218.7/4

\+ sign -0.020+/-0.003 χ^2/NDF: 1274.2/21

All: -0.010+/-0.002 χ^2/NDF: 2614.2/44

\- 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+/-0.004 χ^2/NDF:10.1/5

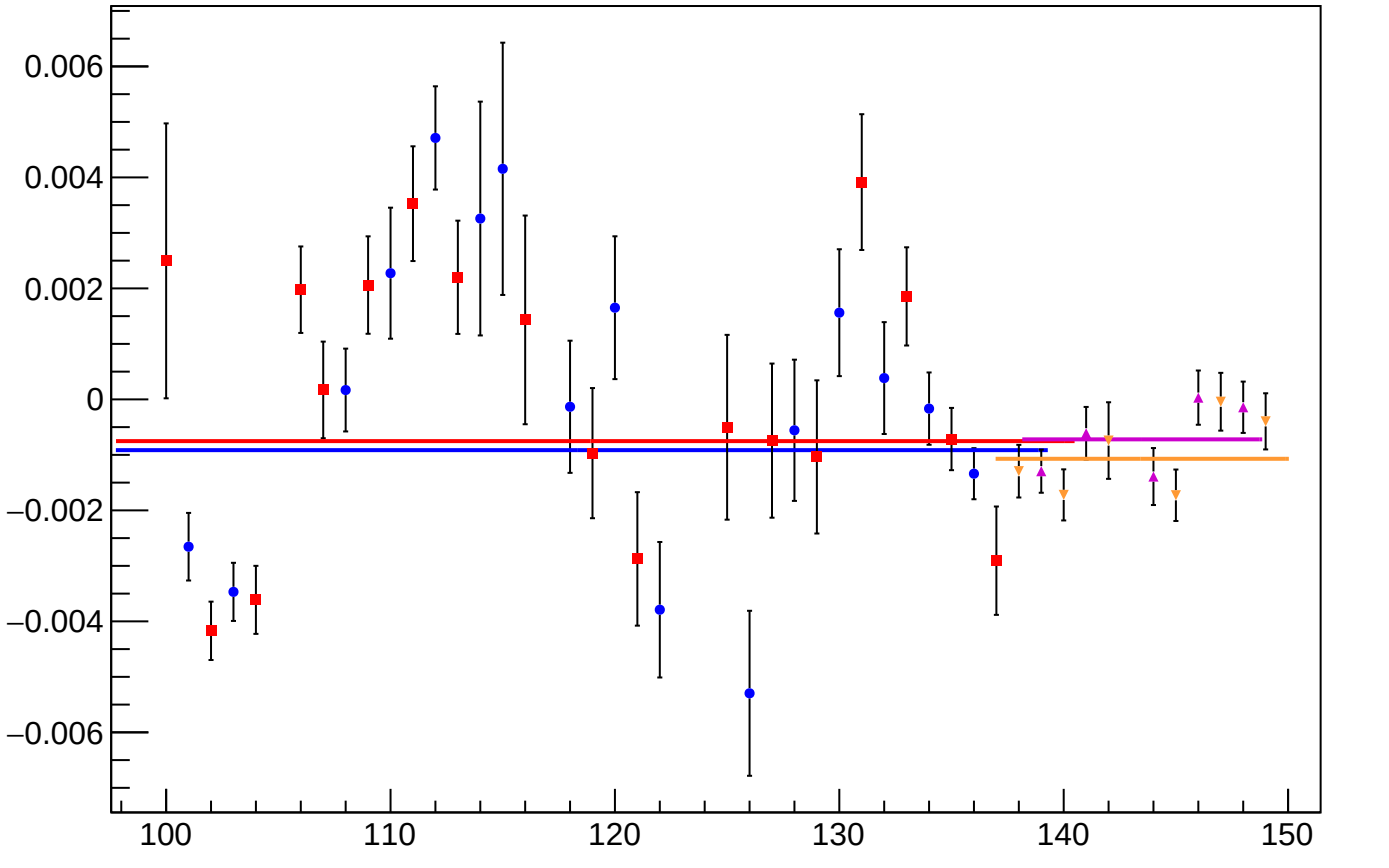
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.025+/-0.004 χ^2/NDF:16.5/4

+ sign 0.023+/-0.003 χ^2/NDF: 52.6/21

All: 0.020+/-0.002 χ^2/NDF: 112.7/44

- 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:10.1/5

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

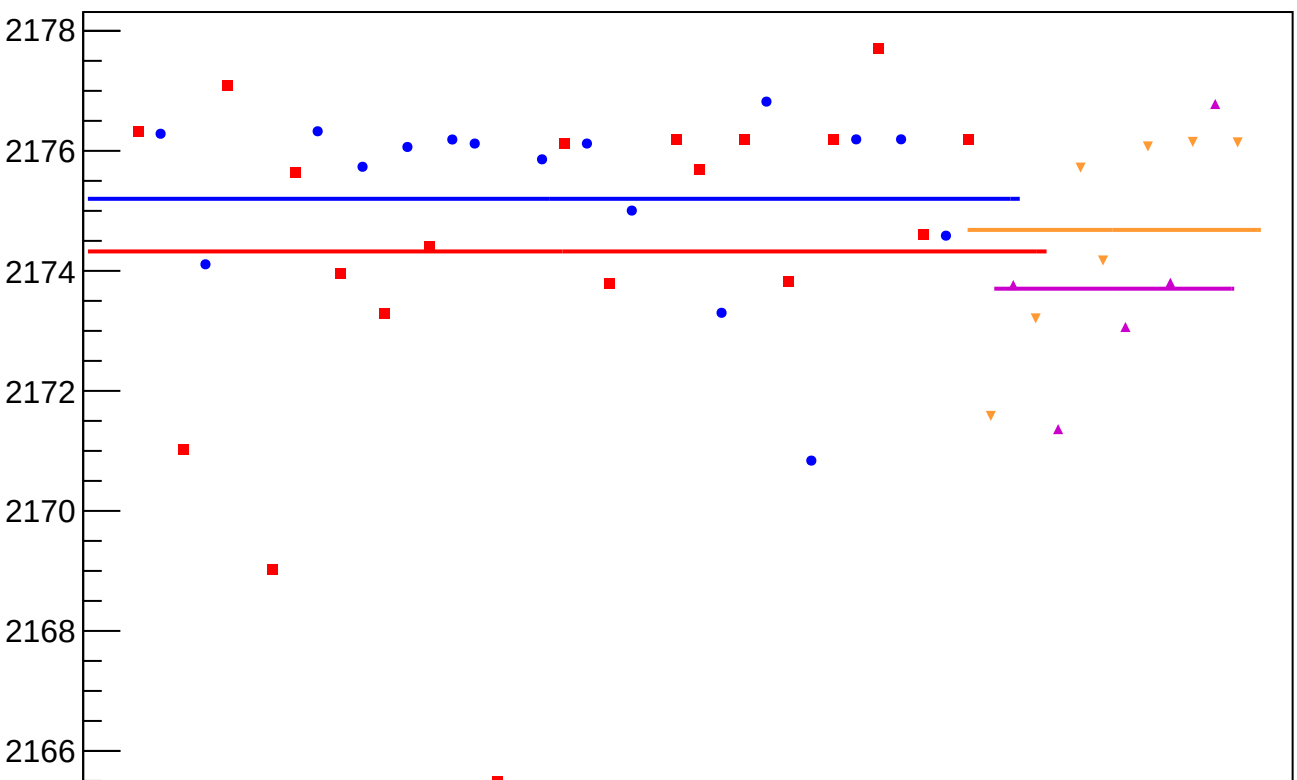
Left In: -0.001+/-0.000 χ^2/NDF:7.9/4

+ sign -0.001+/-0.000 χ^2/NDF: 124.5/21

All: -0.001+/-0.000 χ^2/NDF: 281.5/44

- 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: 1765724072923660180937051331362816.0/15

Left Out: 2174.683+/-0.000 χ^2/NDF:15787904123459693336028265547038720/6

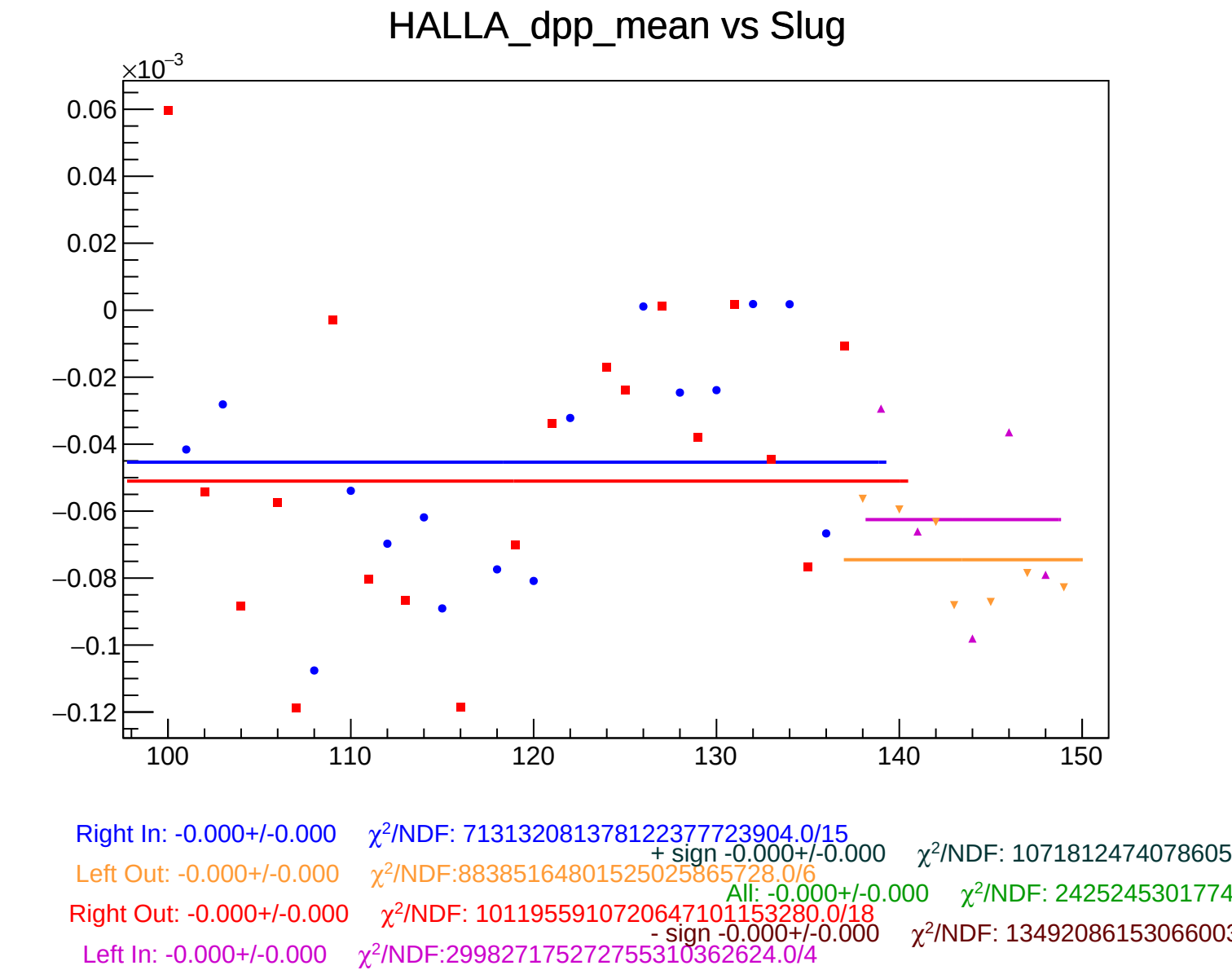
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2173.703+/-0.000 χ^2/NDF:13643172714904614467037160611512320/4

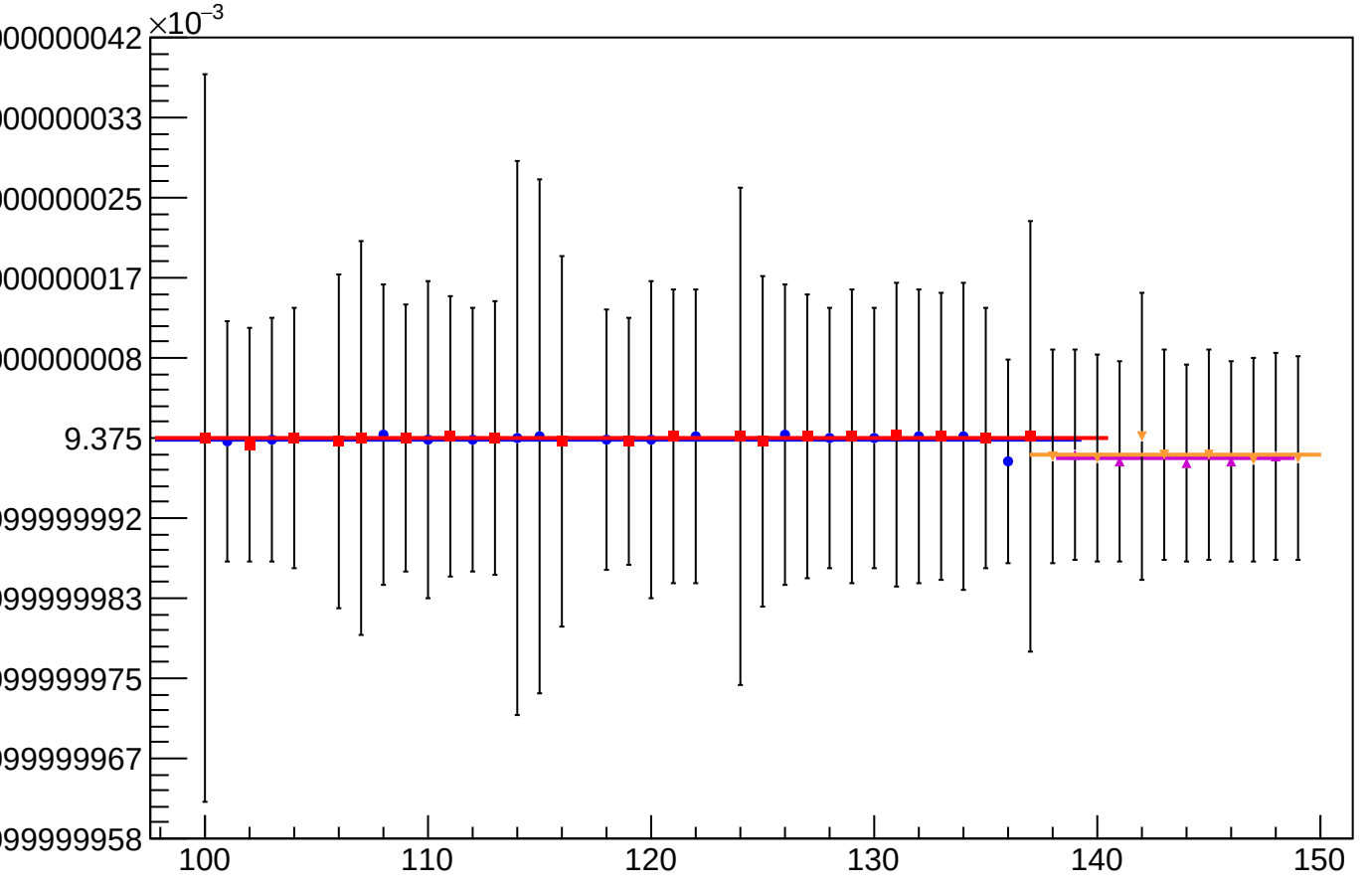
+ sign 2174.978+/-0.000 χ^2/NDF: 3429990934380

All: 2174.551+/-0.000 χ^2/NDF: 109366475

- sign 2174.094+/-0.000 χ^2/NDF: 70156205838218


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
+ sign -0.000+/-0.000 χ²/NDF: 1071812474078605
Left Out: -0.000+/-0.000 χ²/NDF:8838516480152502586572 8.0/6
All: -0.000+/-0.000 χ²/NDF: 2425245301774
Right Out: -0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
- sign -0.000+/-0.000 χ²/NDF: 1349208615306600
Left In: -0.000+/-0.000 χ²/NDF:2998271752727553103626 24.0/4

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:0.0/6

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

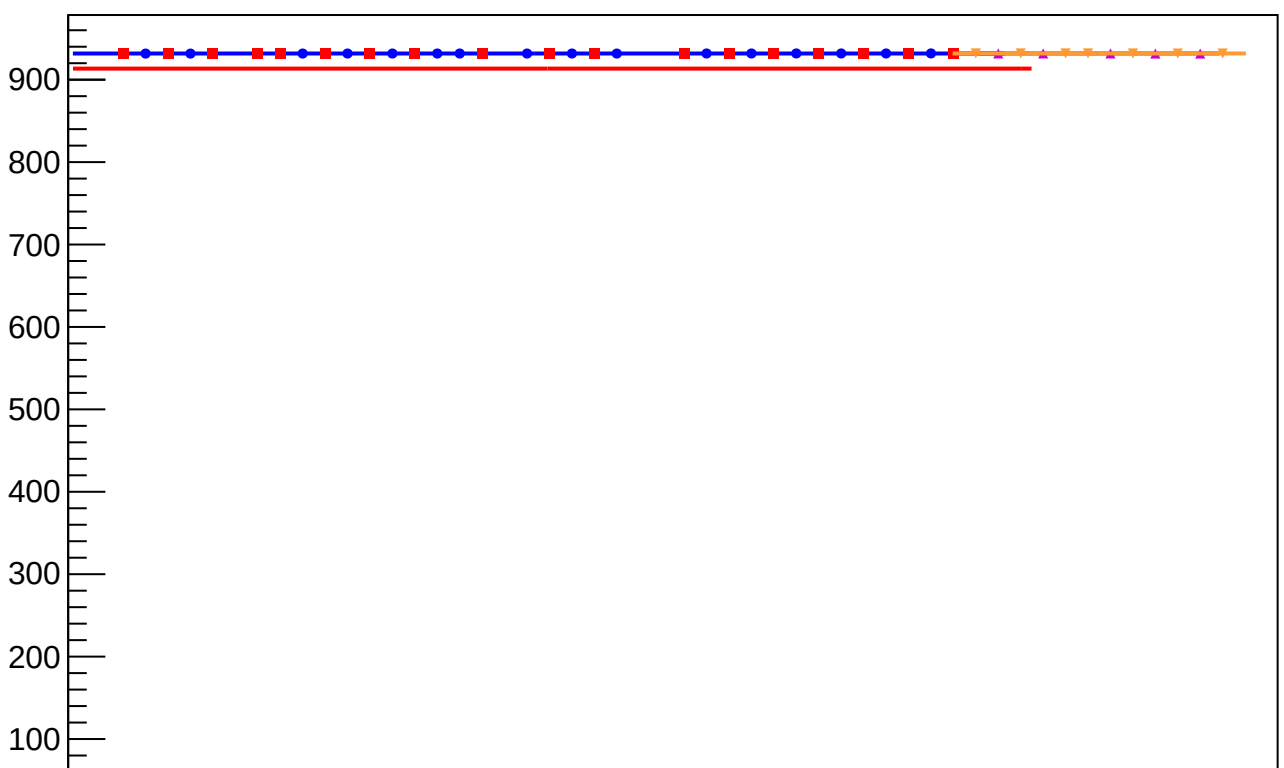
Left In: 0.009+/-0.000 χ^2/NDF:0.0/4

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/22

All: 0.009+/-0.000 χ^2/NDF: 0.3/46

- 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 931.793+/-0.000 χ^2/NDF: 585211604387705

Left Out: 931.824+/-0.000 χ^2/NDF:21237655177227337849457648599040.0/6

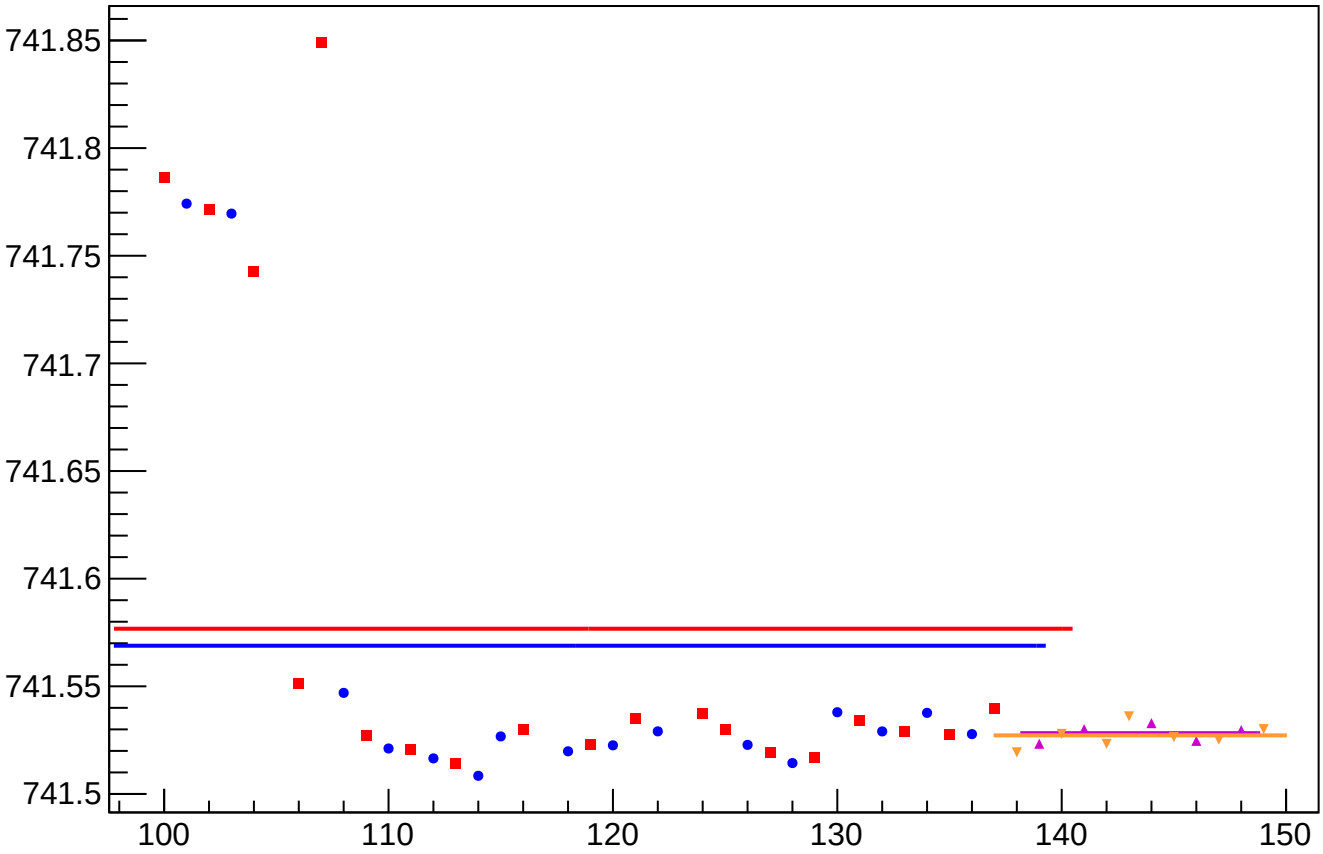
All: 926.225+/-0.000 χ^2/NDF: 12944807122(

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:13501218828437463014125338624.0/6

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

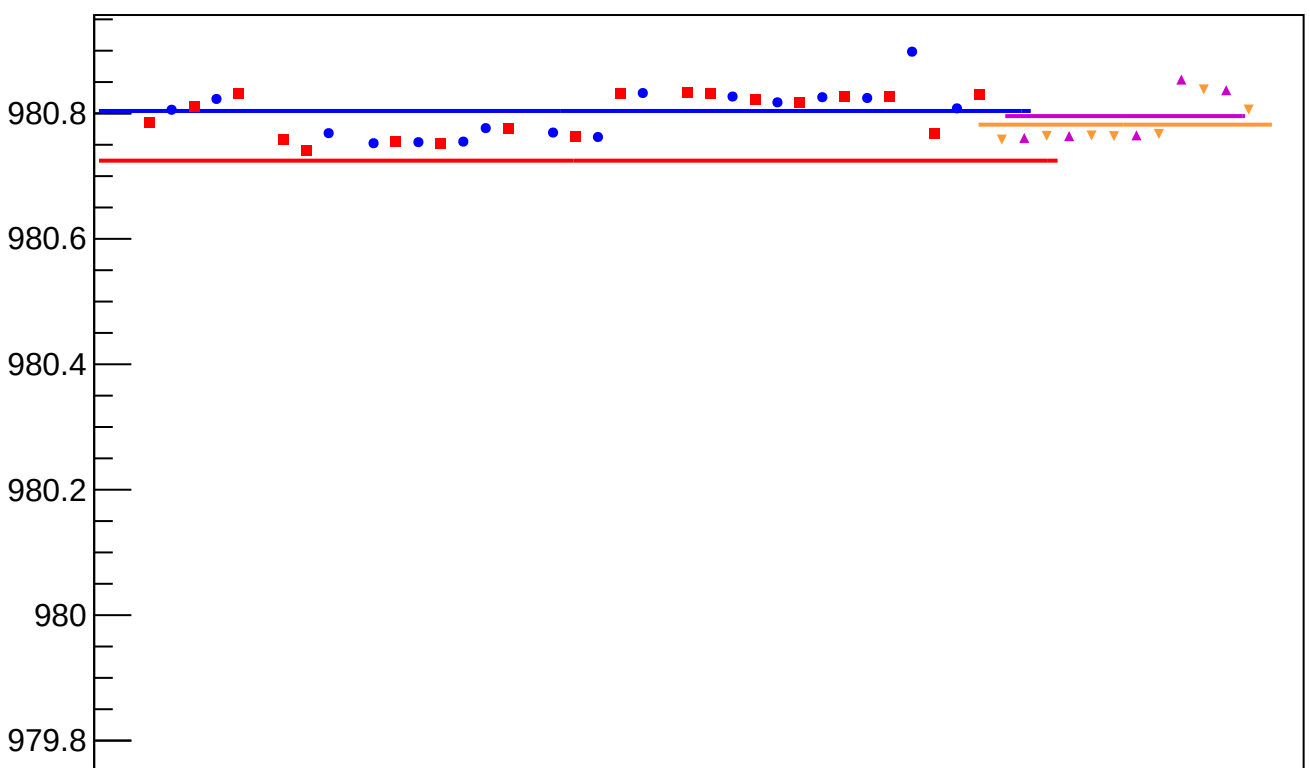
Left In: 741.528+/-0.000 χ^2/NDF:57459140122146954733357629 44.0/4

+ sign 741.551+/-0.000 χ^2/NDF: 699853940916169

All: 741.555+/-0.000 χ^2/NDF: 154006441907

- 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: 9333132768848077867742459330560/15

Left Out: 980.782+/-0.000 χ^2/NDF:46294047589392108586651562803 2.0/6

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705 92.0/18

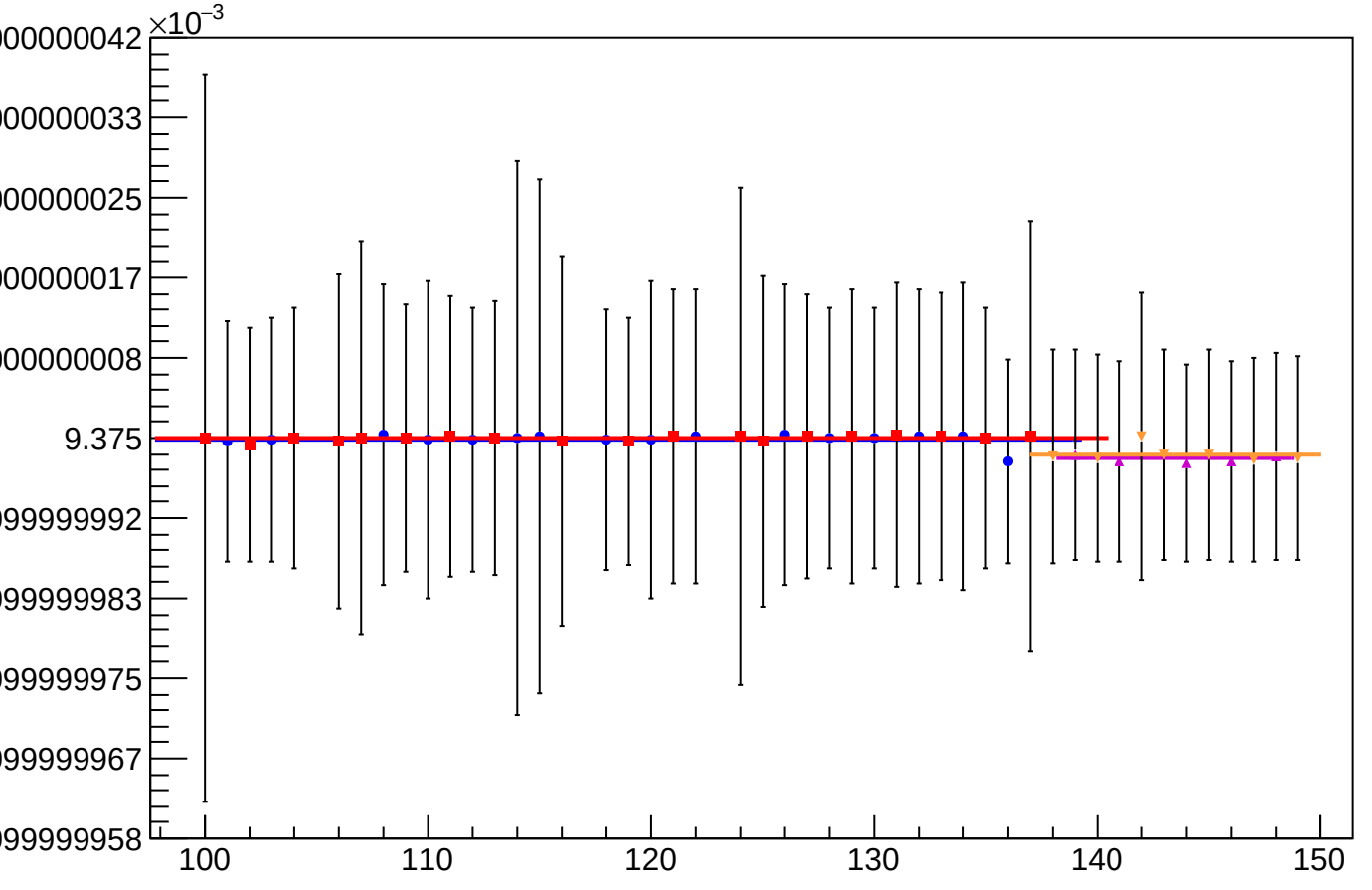
Left In: 980.796+/-0.000 χ^2/NDF:74255371965095819278767515238 4.0/4

+ sign 980.795+/-0.000 χ^2/NDF: 154767753011790

All: 980.774+/-0.000 χ^2/NDF: 609460488577

- 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:0.0/6

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

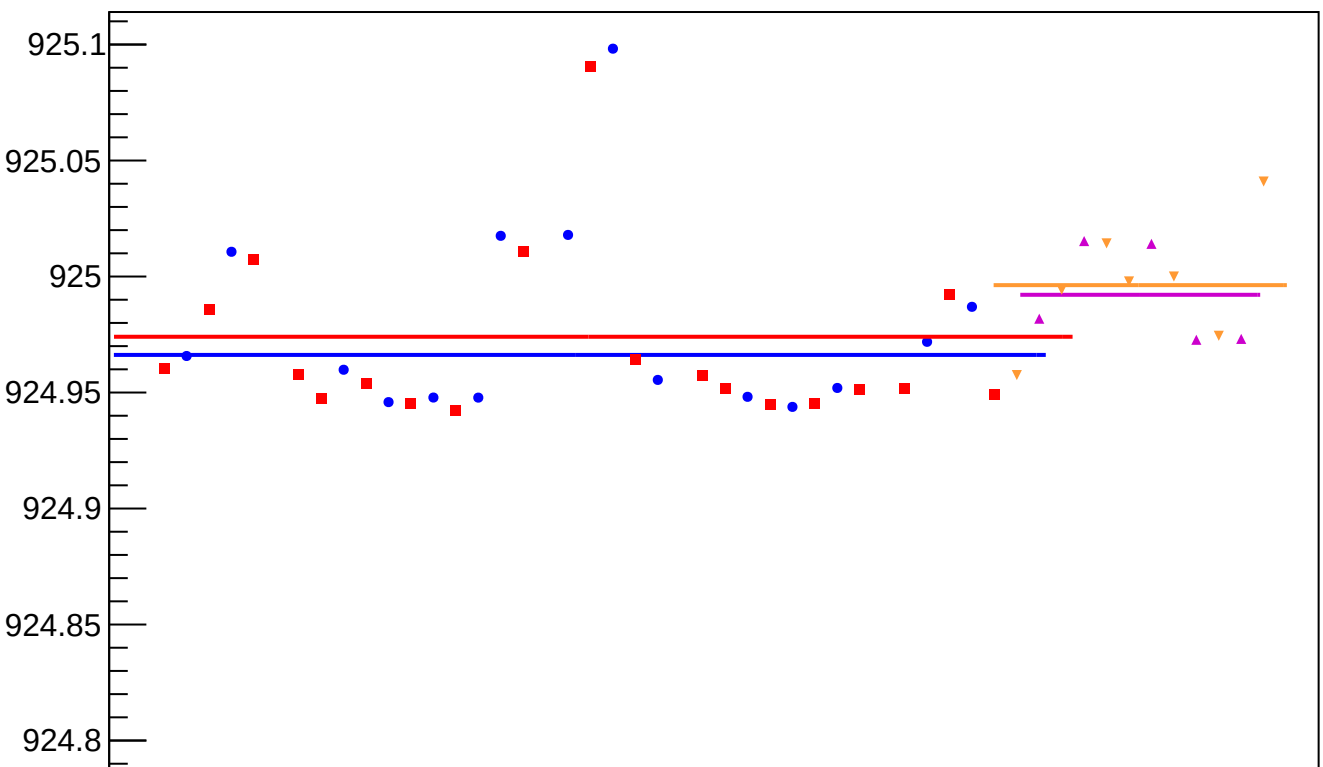
Left In: 0.009+/-0.000 χ^2/NDF:0.0/4

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/22

All: 0.009+/-0.000 χ^2/NDF: 0.3/46

- 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: 254437050808765880053303712153 6.0/15

Left Out: 924.996+/-0.000 χ^2/NDF:35739919236940112750548143308 8.0/6

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

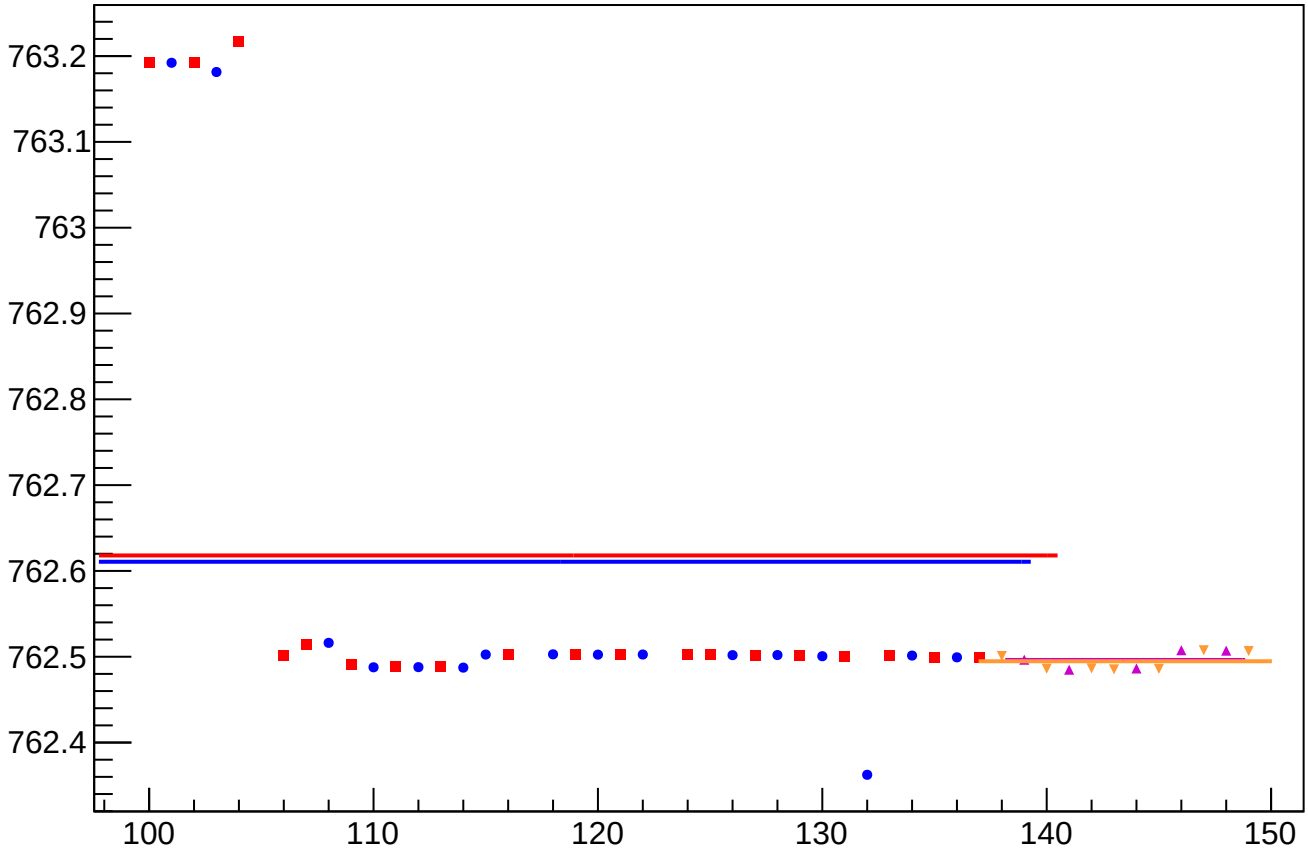
Left In: 924.992+/-0.000 χ^2/NDF:17035144048484348154521164185 6.0/4

+ sign 924.979+/-0.000 χ^2/NDF: 31896858650145 3

All: 924.980+/-0.000 χ^2/NDF: 4696230454 3

- sign 924.981+/-0.000 χ^2/NDF: 15049023579828 1

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.495+/-0.000 χ^2/NDF:536726237778743226334539939840.0/6

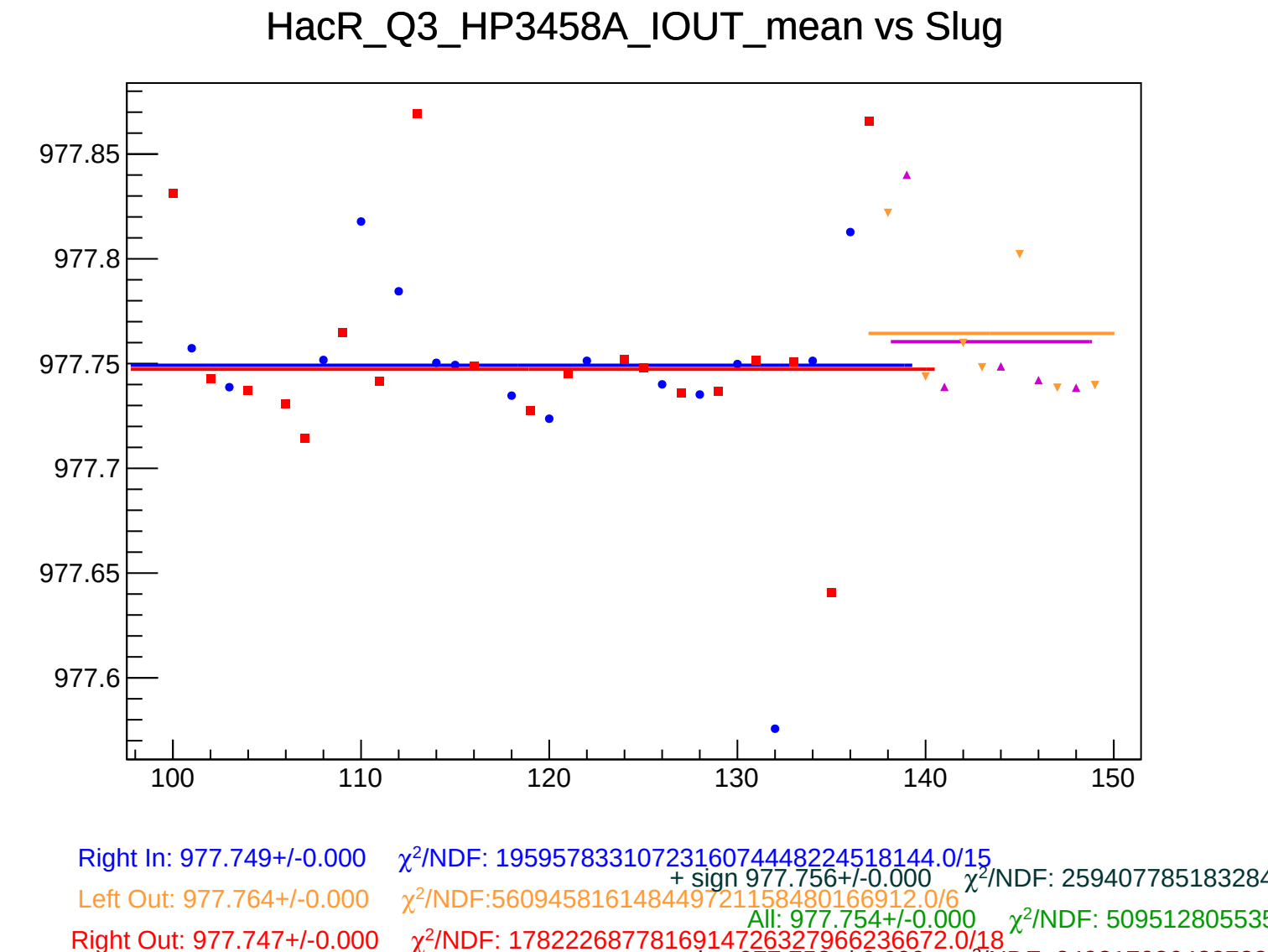
Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

Left In: 762.496+/-0.000 χ^2/NDF:432553744669695526163269550080.0/4

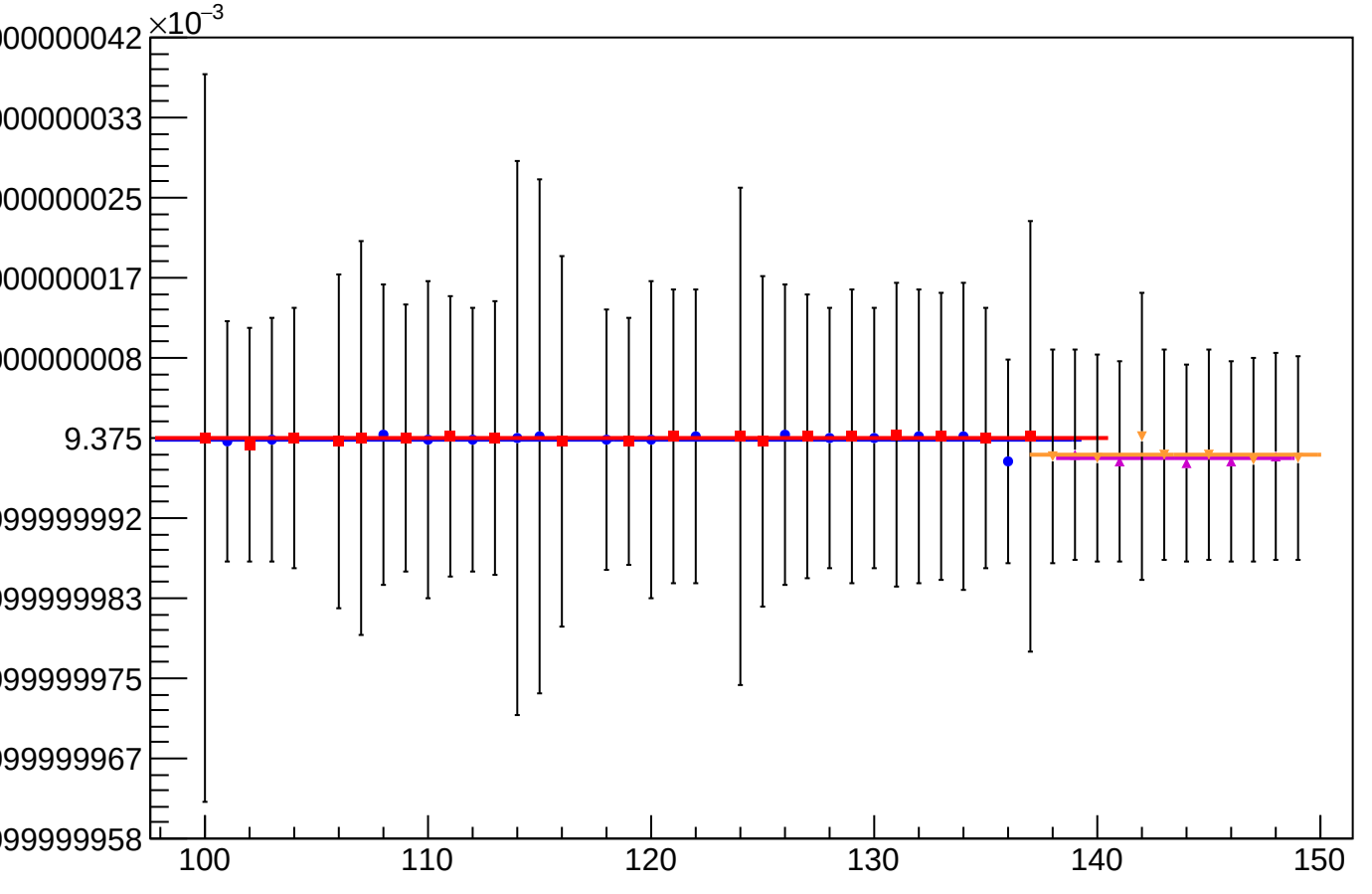
+ sign 762.561+/-0.000 χ^2/NDF: 564947983328871

All: 762.567+/-0.000 χ^2/NDF: 113962101556

- sign 762.573+/-0.000 χ^2/NDF: 573774628639690


HacR_Q3_HP3458A_IOUT_mean vs Slug
977.85
977.8
977.75
977.7
977.65
977.6
100
110
120
130
140
150
Right In: 977.749+/-0.000 χ²/NDF: 19595783310723160744482245181440/15
Left Out: 977.764+/-0.000 χ²/NDF:56094581614844972115848016691 2.0/6
Right Out: 977.747+/-0.000 χ²/NDF: 178222687781691472632796623 6672.0/18
Left In: 977.760+/-0.000 χ²/NDF:66205033265907492402944278528 0.0/4
+ sign 977.756+/-0.000 χ²/NDF: 259407785183284
All: 977.754+/-0.000 χ²/NDF: 509512805535
- sign 977.752+/-0.000 χ²/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:0.0/6

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

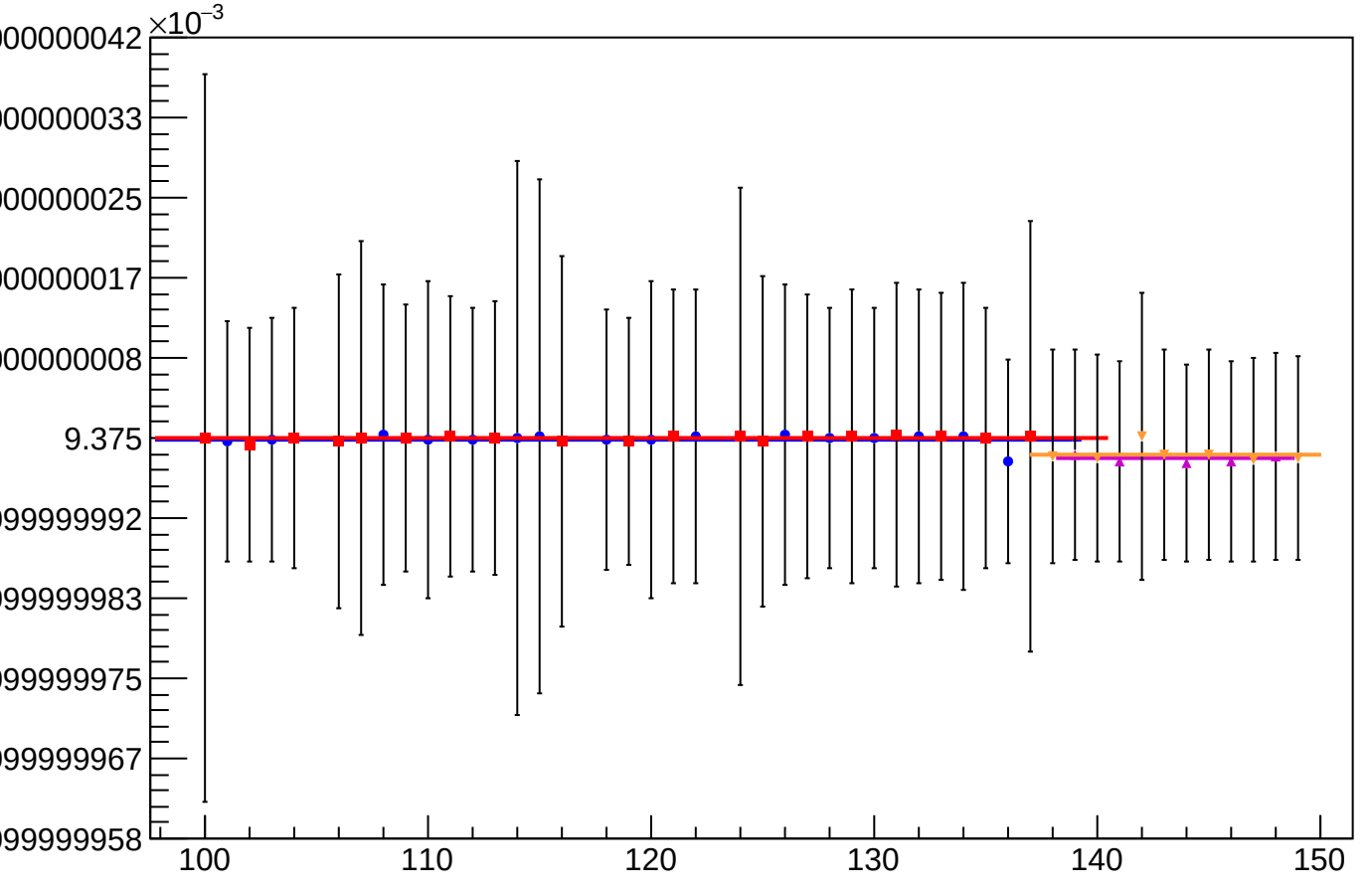
Left In: 0.009+/-0.000 χ^2/NDF:0.0/4

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/22

All: 0.009+/-0.000 χ^2/NDF: 0.3/46

- 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:0.0/6

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

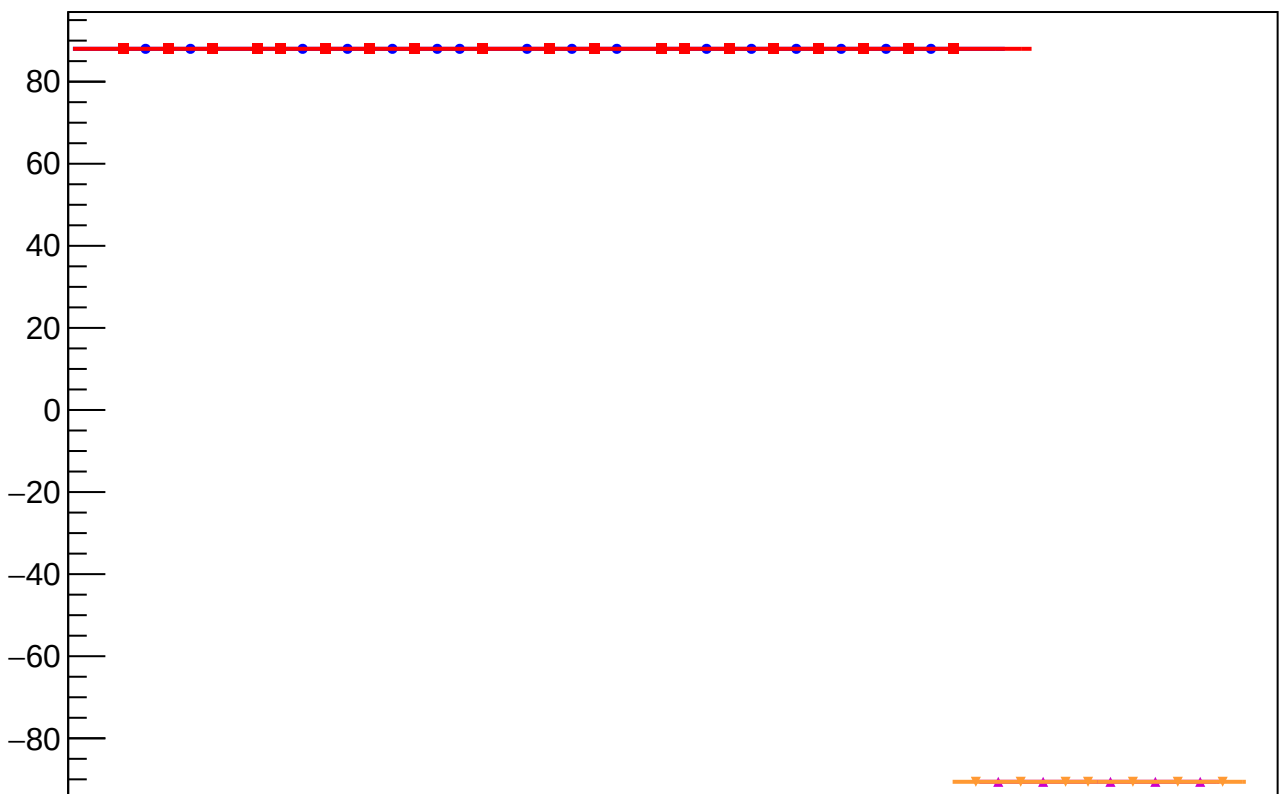
Left In: 0.009+/-0.000 χ^2/NDF:0.0/4

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/22

All: 0.009+/-0.000 χ^2/NDF: 0.3/46

- 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:2766693.0/6

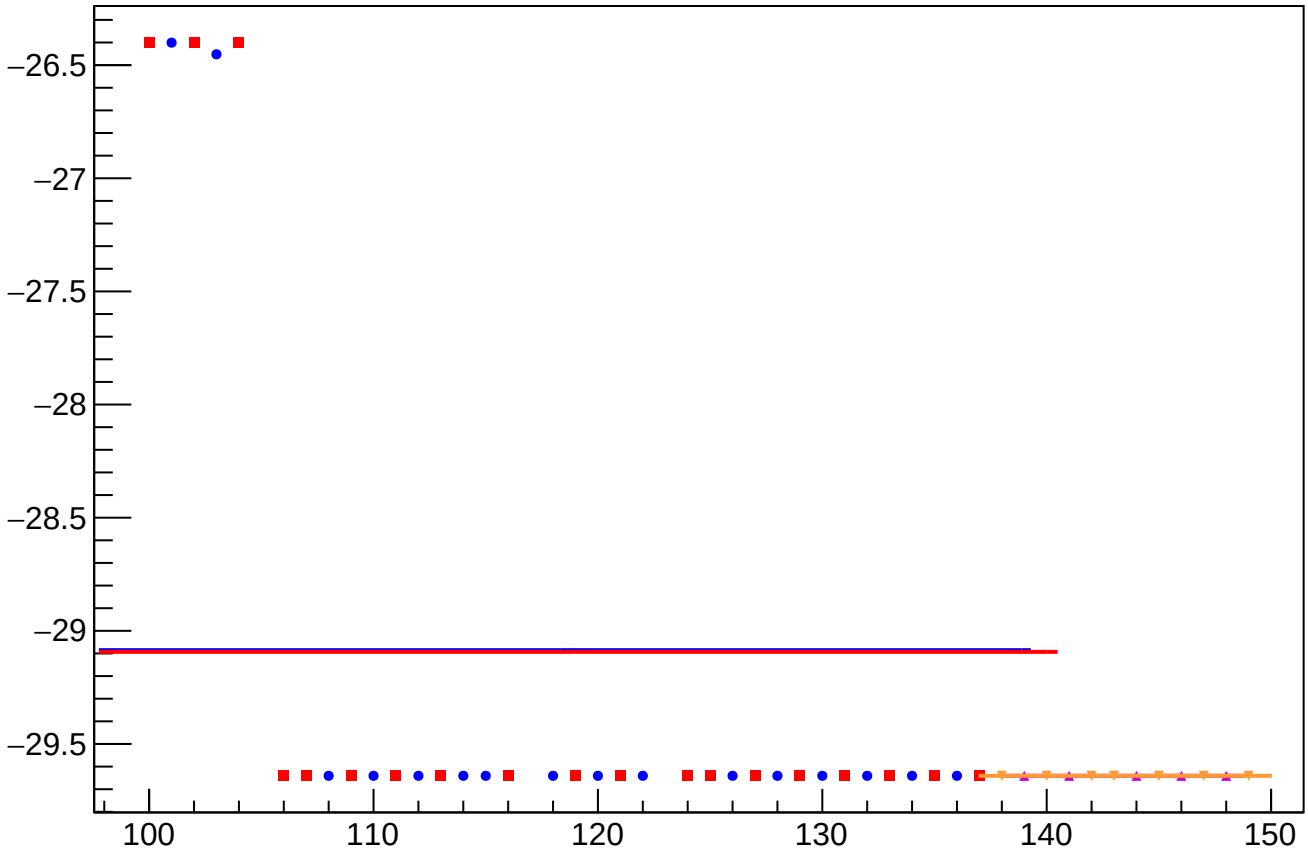
Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: -90.599+/-0.000 χ^2/NDF:301105.1/4

+ sign 11.281+/-0.000 χ^2/NDF: 1015327536942262

All: 16.334+/-0.000 χ^2/NDF: 1925122254792

- 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:156118.7/6

Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

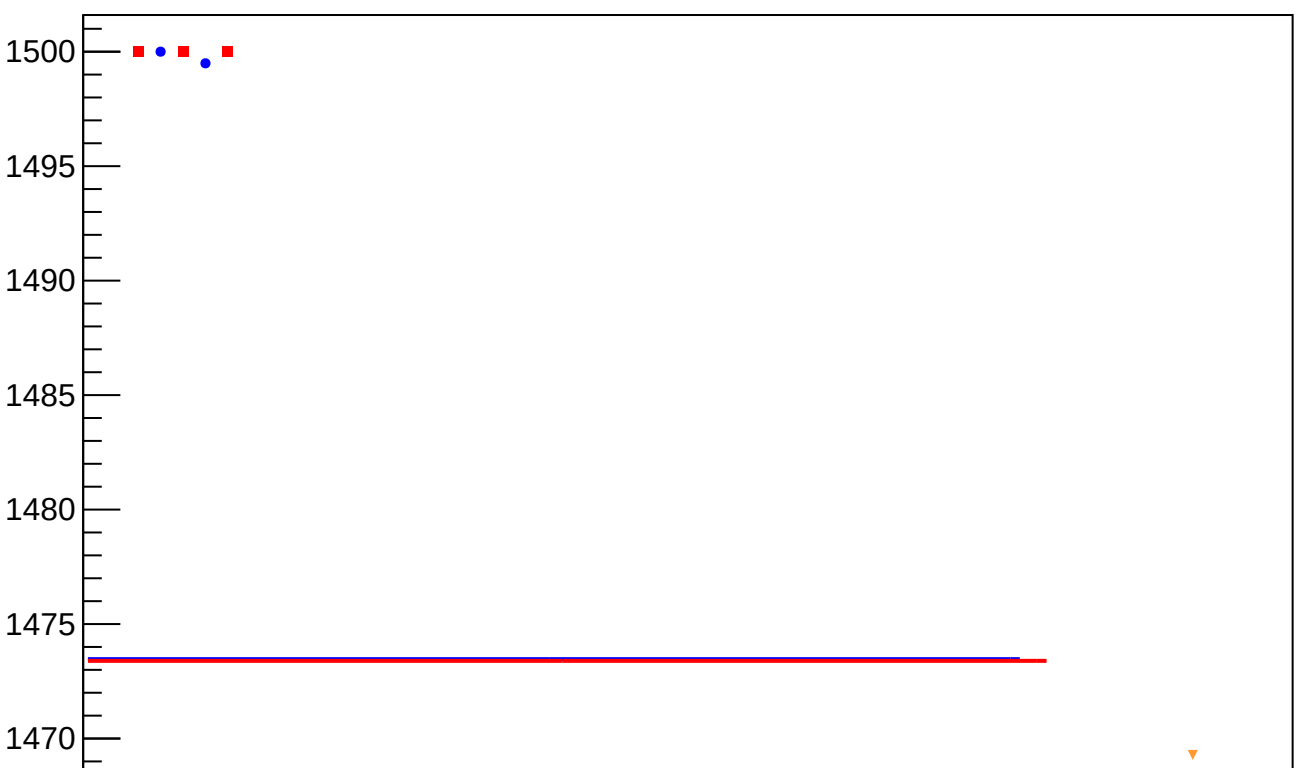
Left In: -29.641+/-0.000 χ^2/NDF:22151.2/4

+ sign -29.324+/-0.000 χ^2/NDF: 119252104889475

All: -29.311+/-0.000 χ^2/NDF: 240318093685

- sign -29.296+/-0.000 χ^2/NDF: 1210175097774119

psub_pl_pos_mean vs Slug



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

+ sign 1471.198+/-0.000 χ^2/NDF: 1159030820724 5

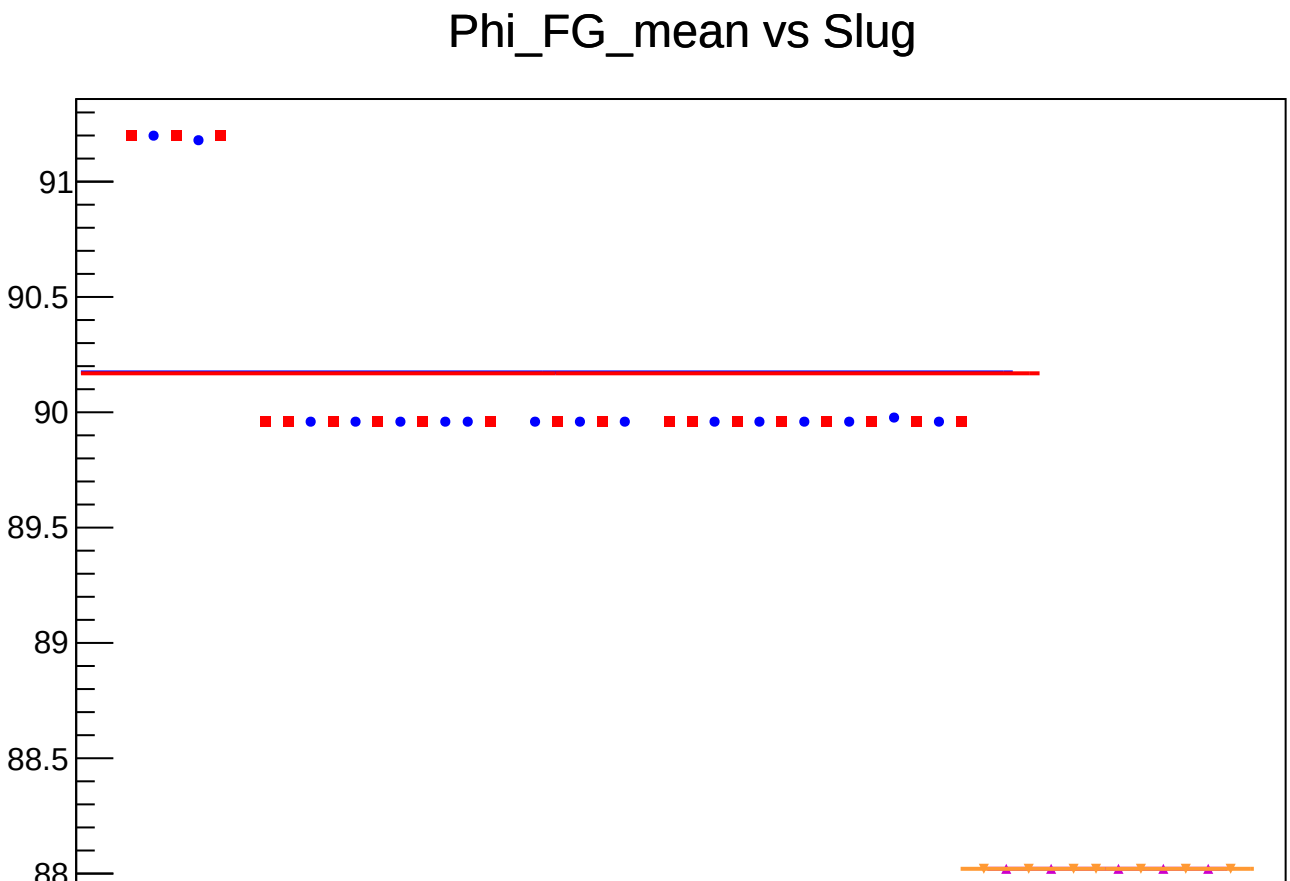
Left Out: 1468.185+/-0.000 χ^2/NDF:1256871870912472383949210365460 48.0/6

All: 1471.288+/-0.000 χ^2/NDF: 234130765 20

Right Out: 1473.393+/-0.000 χ^2/NDF: 1099094997334010787610678433006223 36.0/18

- sign 1471.385+/-0.000 χ^2/NDF: 1182058560566 2

Left In: 1467.979+/-0.000 χ^2/NDF:28589429.9/4



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2396117.7/6

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

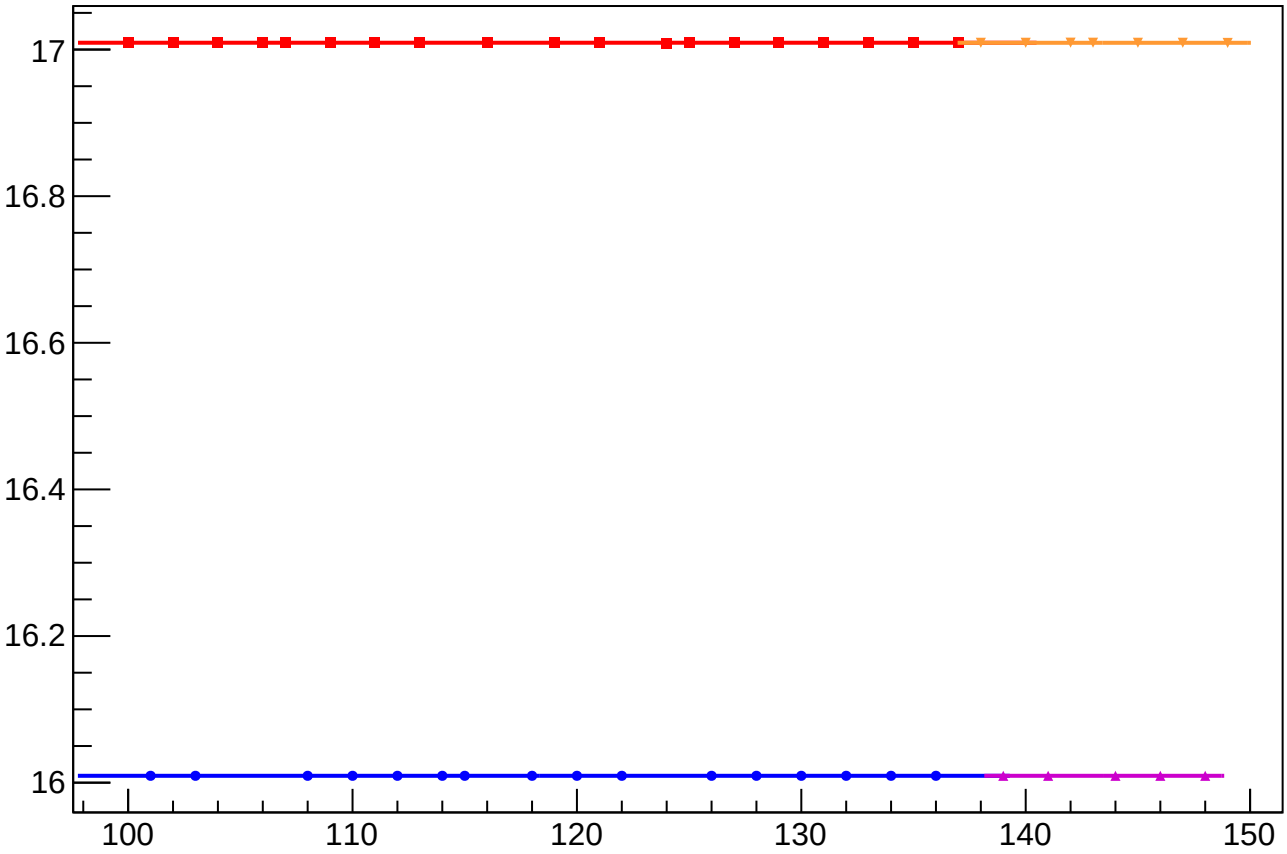
Left In: 88.021+/-0.000 χ^2/NDF:340081.1/4

+ sign 89.248+/-0.000 χ^2/NDF: 1634187308287773

All: 89.308+/-0.000 χ^2/NDF: 3114892643442

- 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:4577789366436888274010112.0/6

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

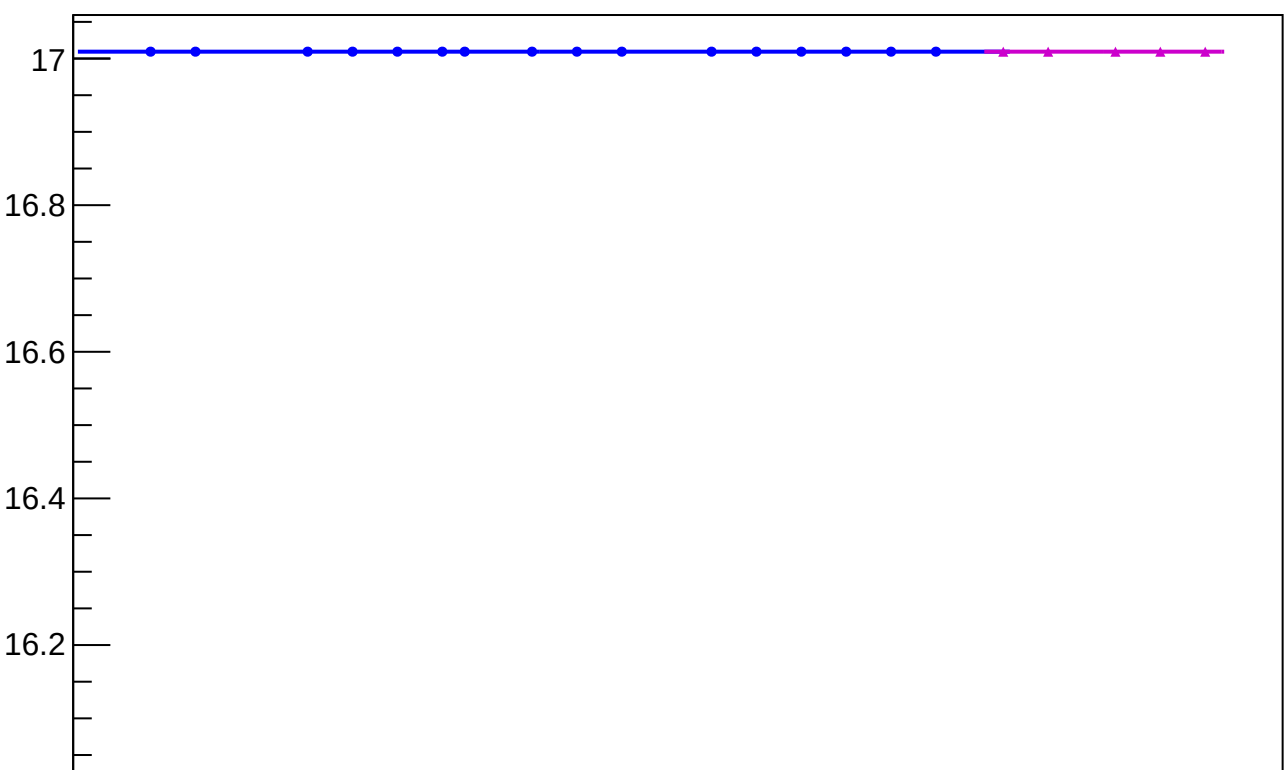
Left In: 16.009+/-0.000 χ^2/NDF:50083.2/4

+ sign 16.430+/-0.000 χ^2/NDF: 2952965012077863

All: 16.525+/-0.000 χ^2/NDF: 582535190403

- 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:41765.5/6

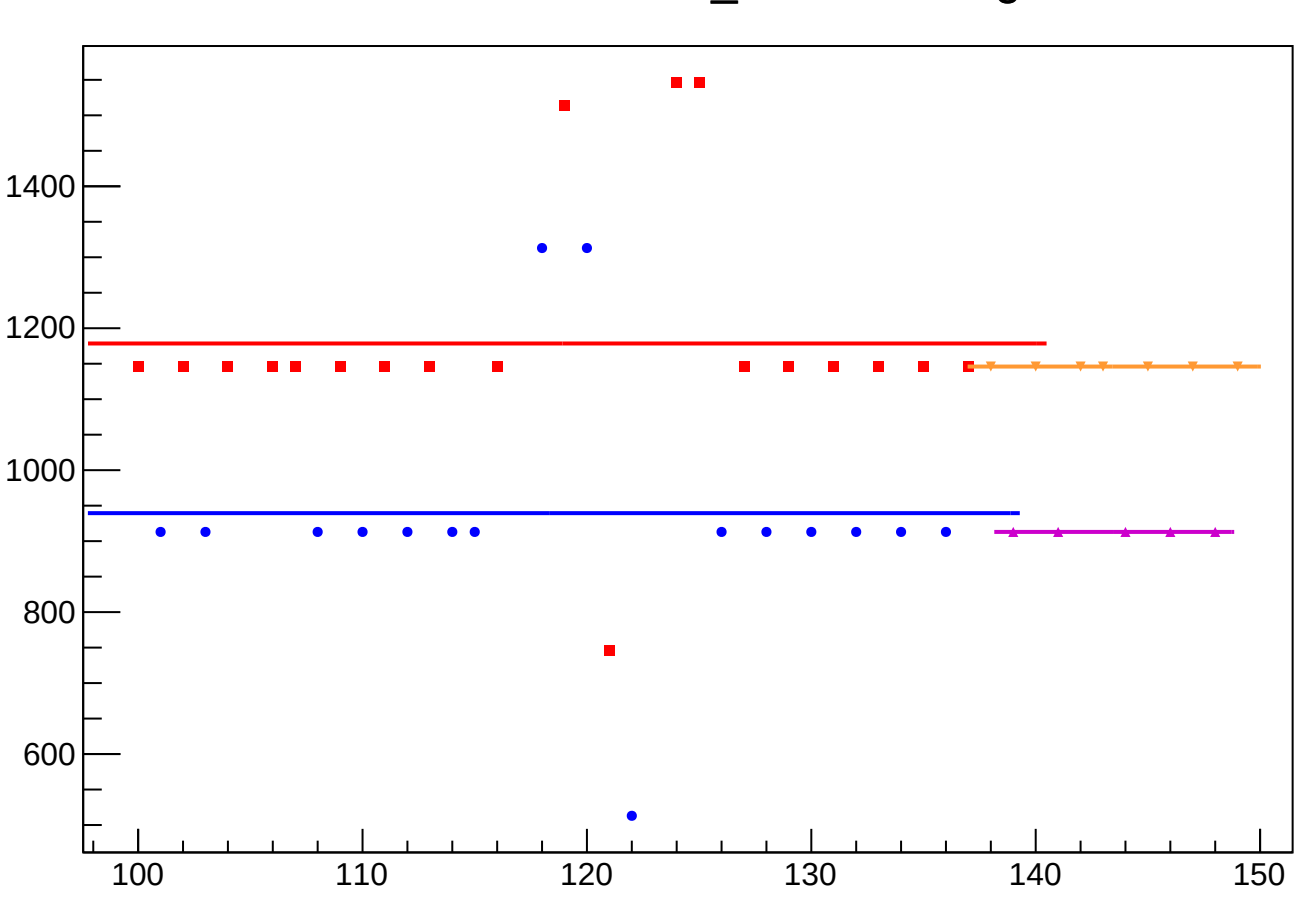
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:4619.6/4

+ sign 16.572+/-0.000 χ^2/NDF: 3090310509554128

All: 16.479+/-0.000 χ^2/NDF: 613937525354

- sign 16.382+/-0.000 χ^2/NDF: 2825062034739219



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1028.178+/-0.000 χ^2/NDF: 34664668141546

Left Out: 1146.011+/-0.000 χ^2/NDF:22263468977632950665472901120.0/6

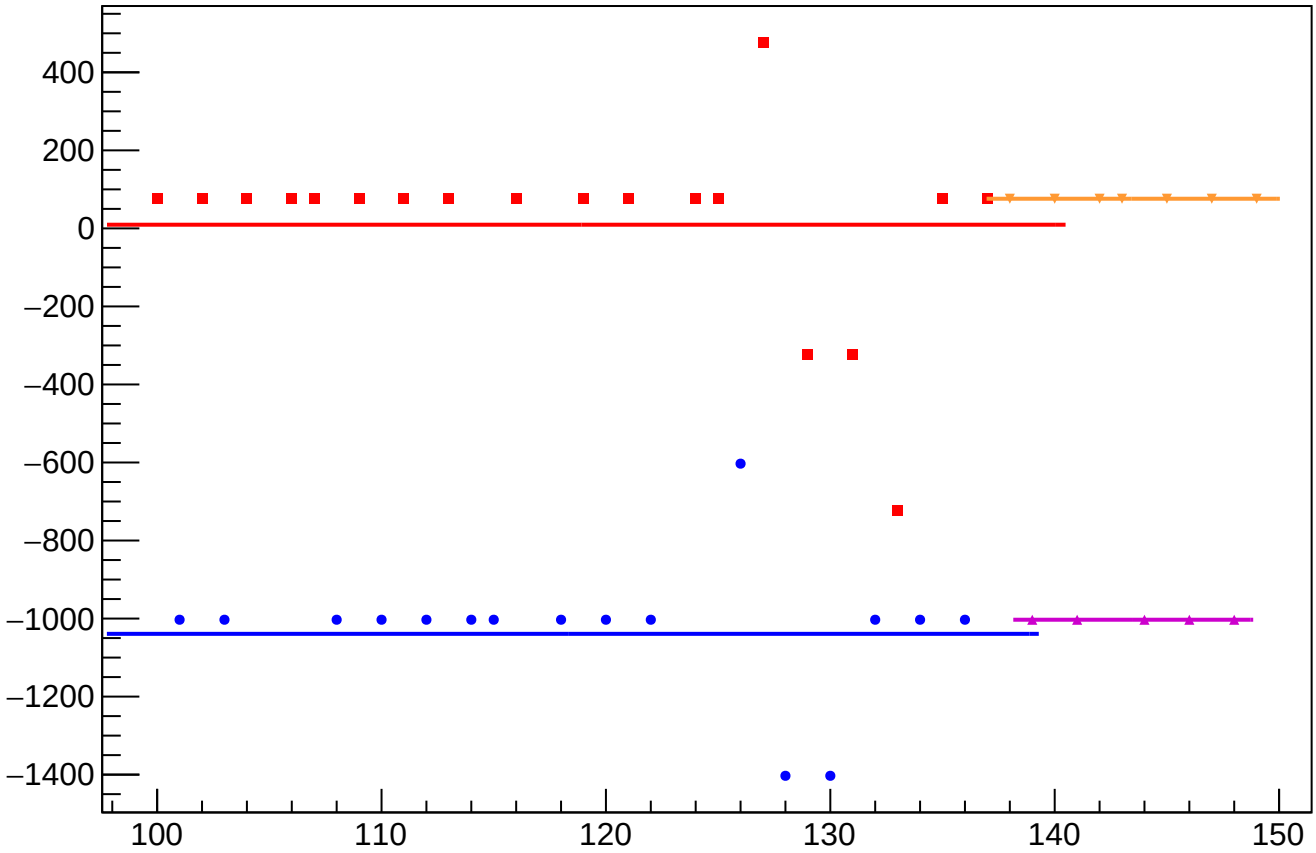
All: 1053.207+/-0.000 χ^2/NDF: 7844590381

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:814314750871443432962575564 8.0/4

RTPAPOSVCNT_mean vs Slug



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

+ sign -560.124+/-0.000 χ^2/NDF: 41871363769730

Left Out: 76.011+/-0.000 χ^2/NDF:26212047016634716695602135040.0/6

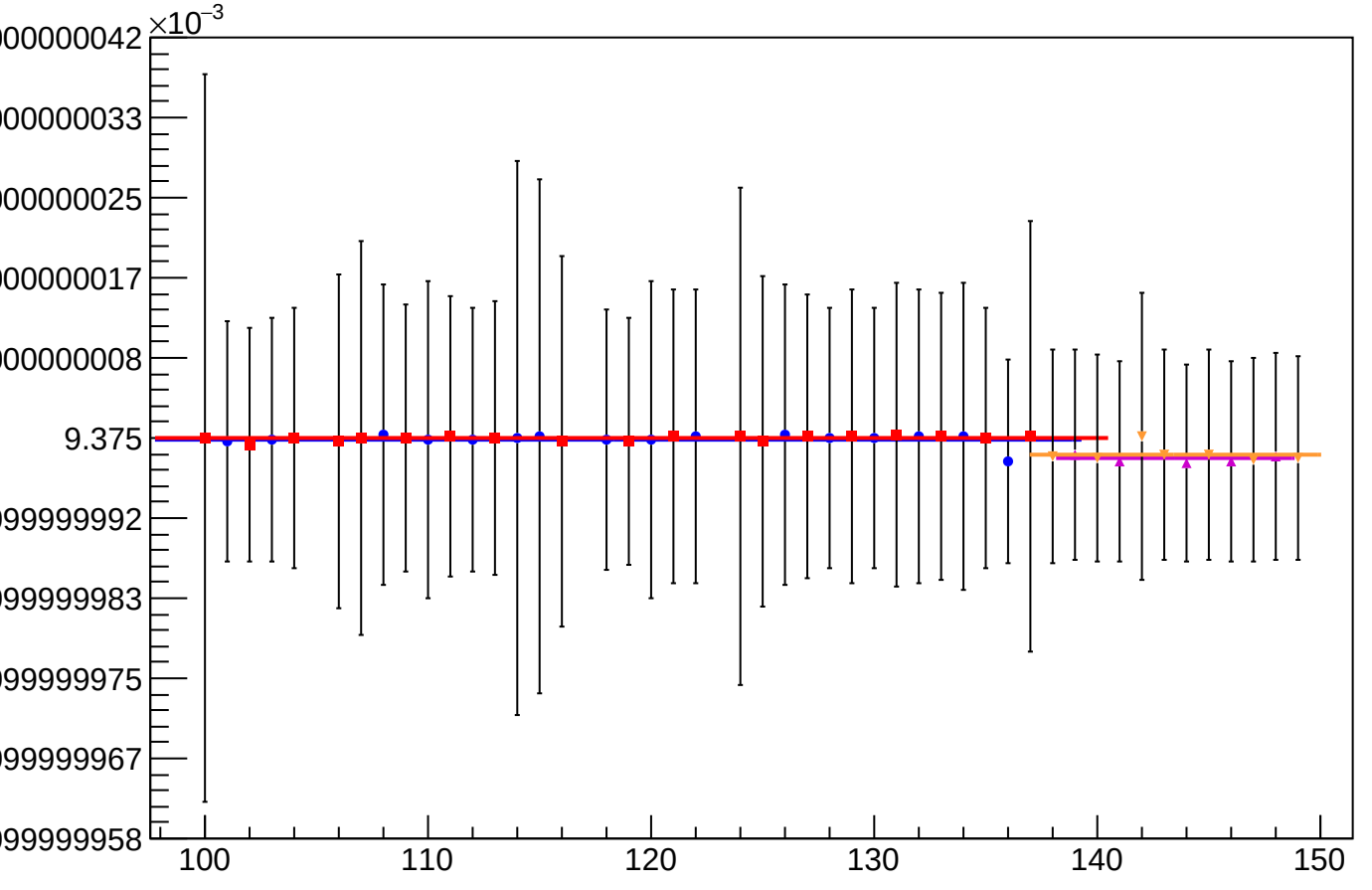
All: -466.461+/-0.000 χ^2/NDF: 7785030963

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:0.0/6

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

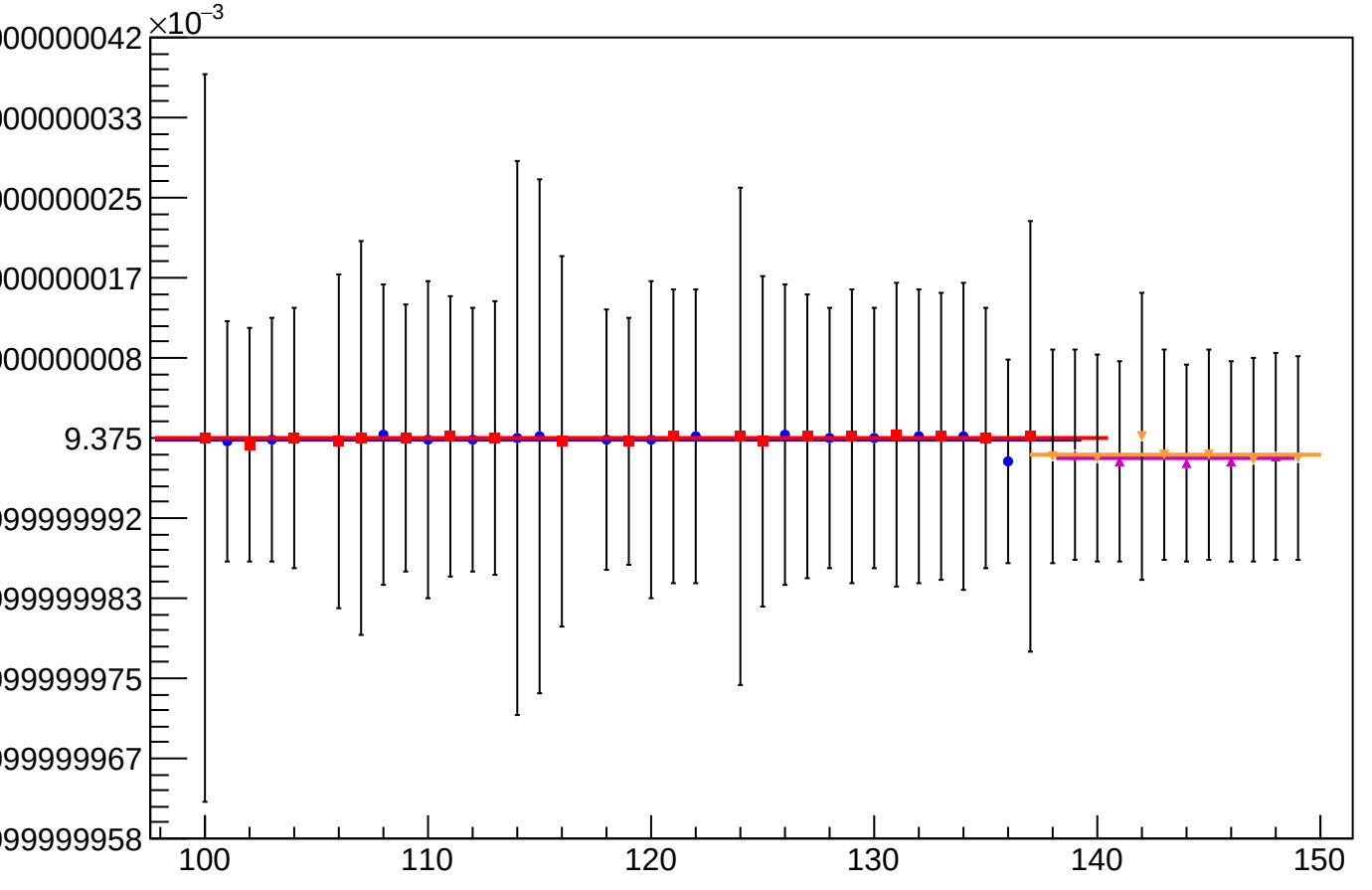
Left In: 0.009+/-0.000 χ^2/NDF:0.0/4

+ sign 0.009+/-0.000 χ^2/NDF: 0.1/22

All: 0.009+/-0.000 χ^2/NDF: 0.3/46

- 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:0.0/6

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: 0.1/22

All: 0.009+/-0.000 χ^2/NDF: 0.3/46

- sign 0.009+/-0.000 χ^2/NDF: 0.1/23