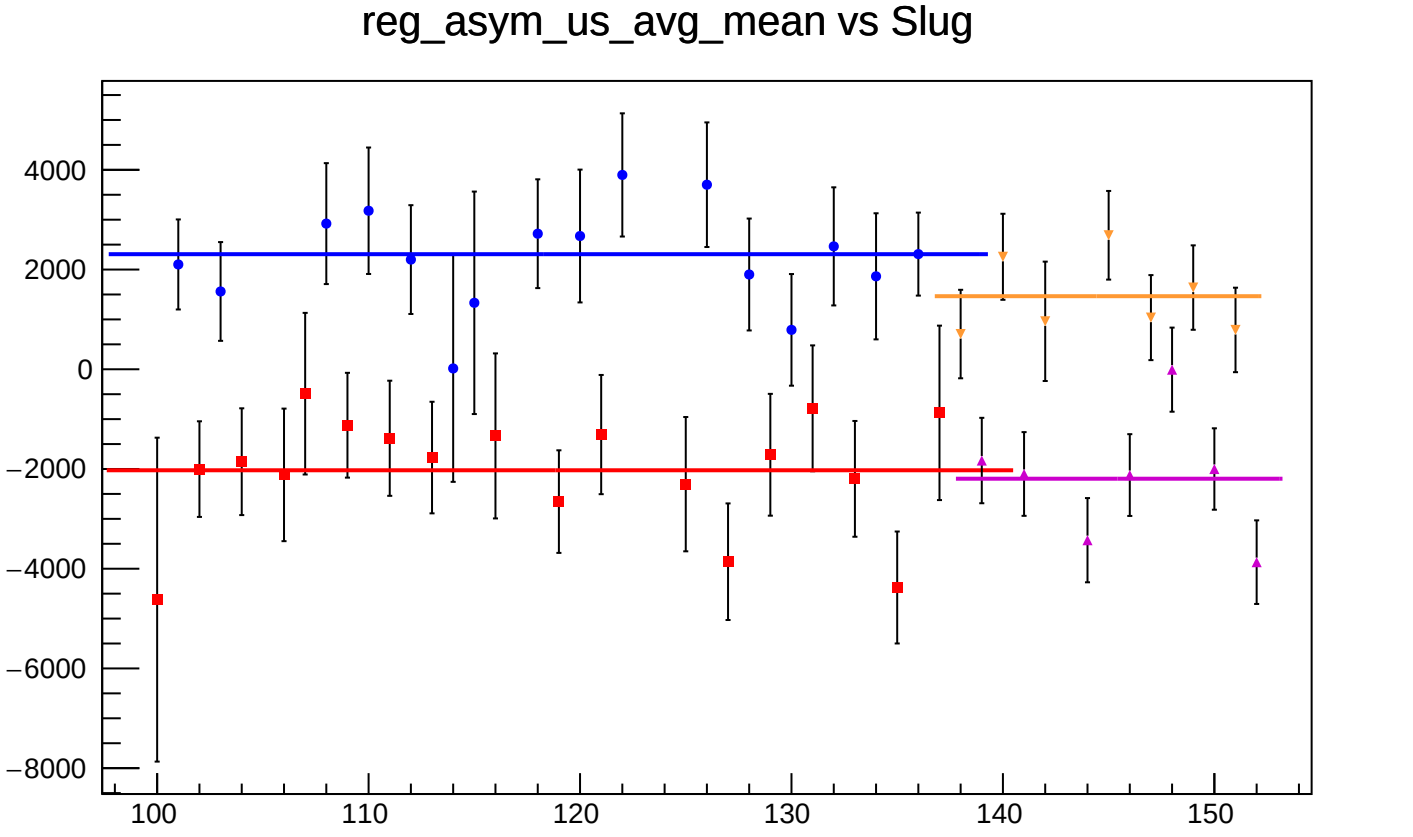


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1465.570+/-338.260 χ^2/NDF:4.6/6

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

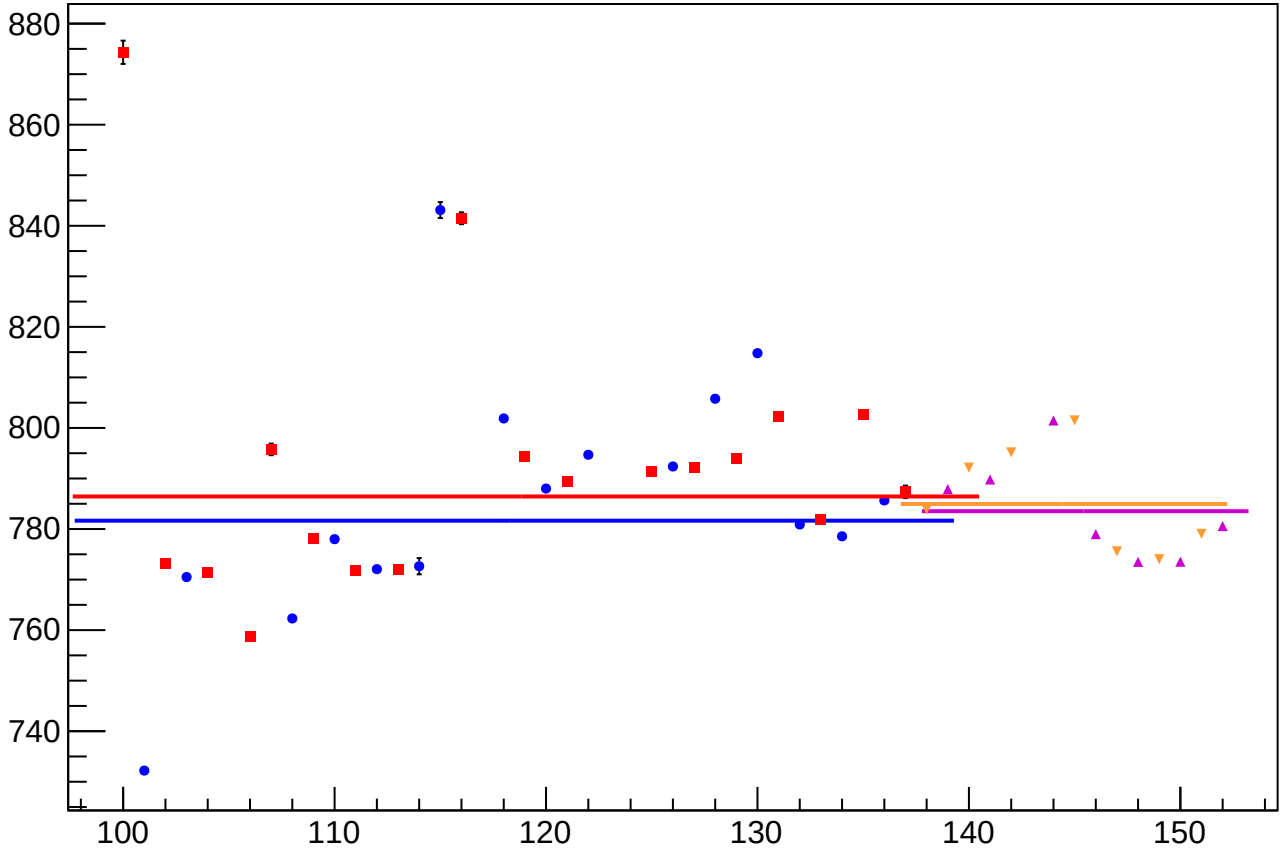
Left In: -2195.076+/-316.258 χ^2/NDF:13.1/6

\+ sign 1950.595+/-220.353 χ^2/NDF: 15.9/22

All: -138.674+/-153.392 χ^2/NDF: 215.6/47

\- sign -2102.967+/-213.661 χ^2/NDF: 25.2/24

reg_asym_us_avg_rms vs Slug



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

Left Out: 784.951+/-0.239 χ^2/NDF:1651.2/6

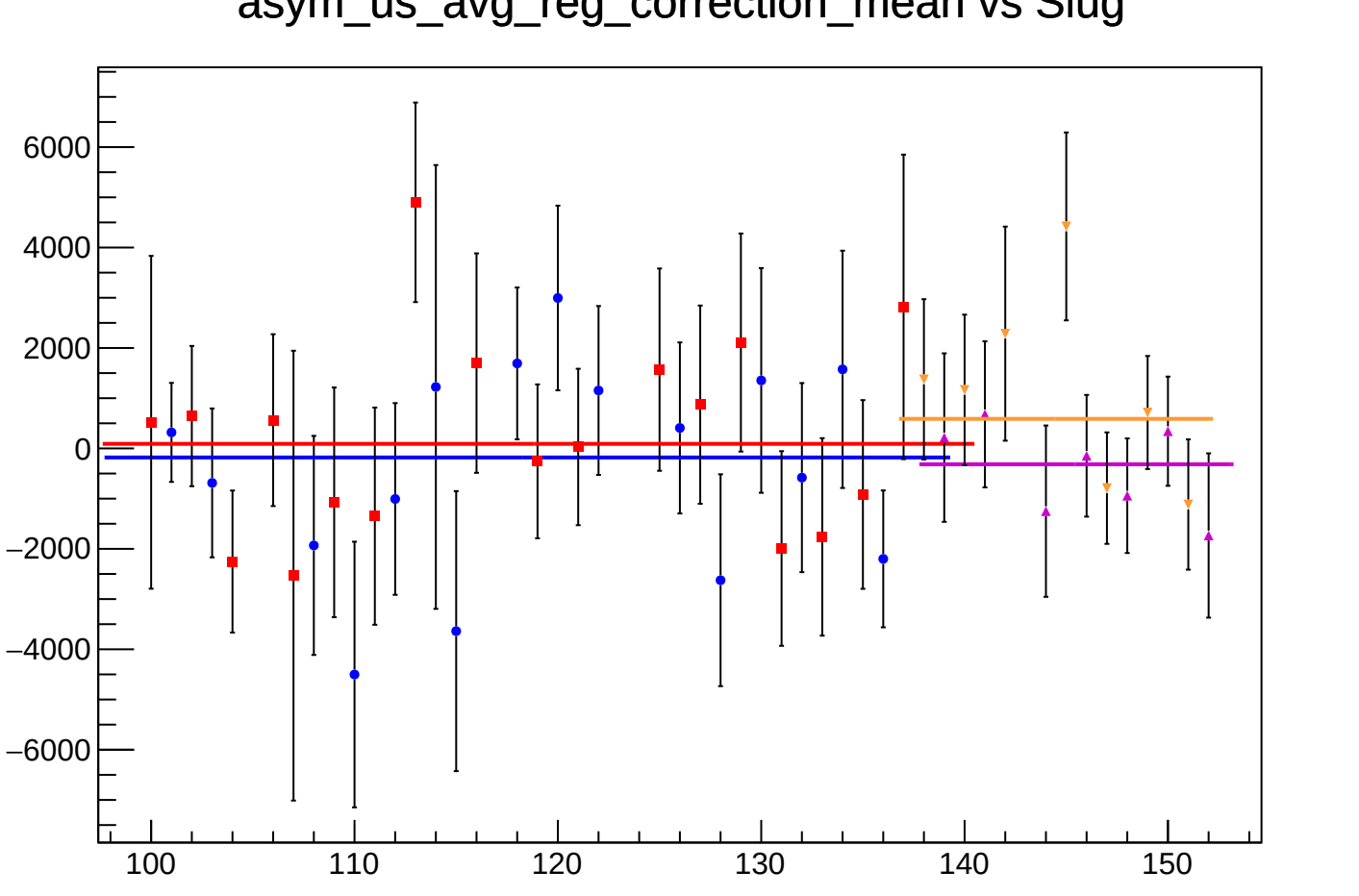
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 783.533+/-0.224 χ^2/NDF:1734.6/6

+ sign 783.053+/-0.156 χ^2/NDF: 14079.6/22

All: 784.116+/-0.108 χ^2/NDF: 23198.2/47

- sign 785.115+/-0.151 χ^2/NDF: 9028.3/24



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

Left Out: 588.911+/-531.527 χ^2/NDF:8.5/6

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

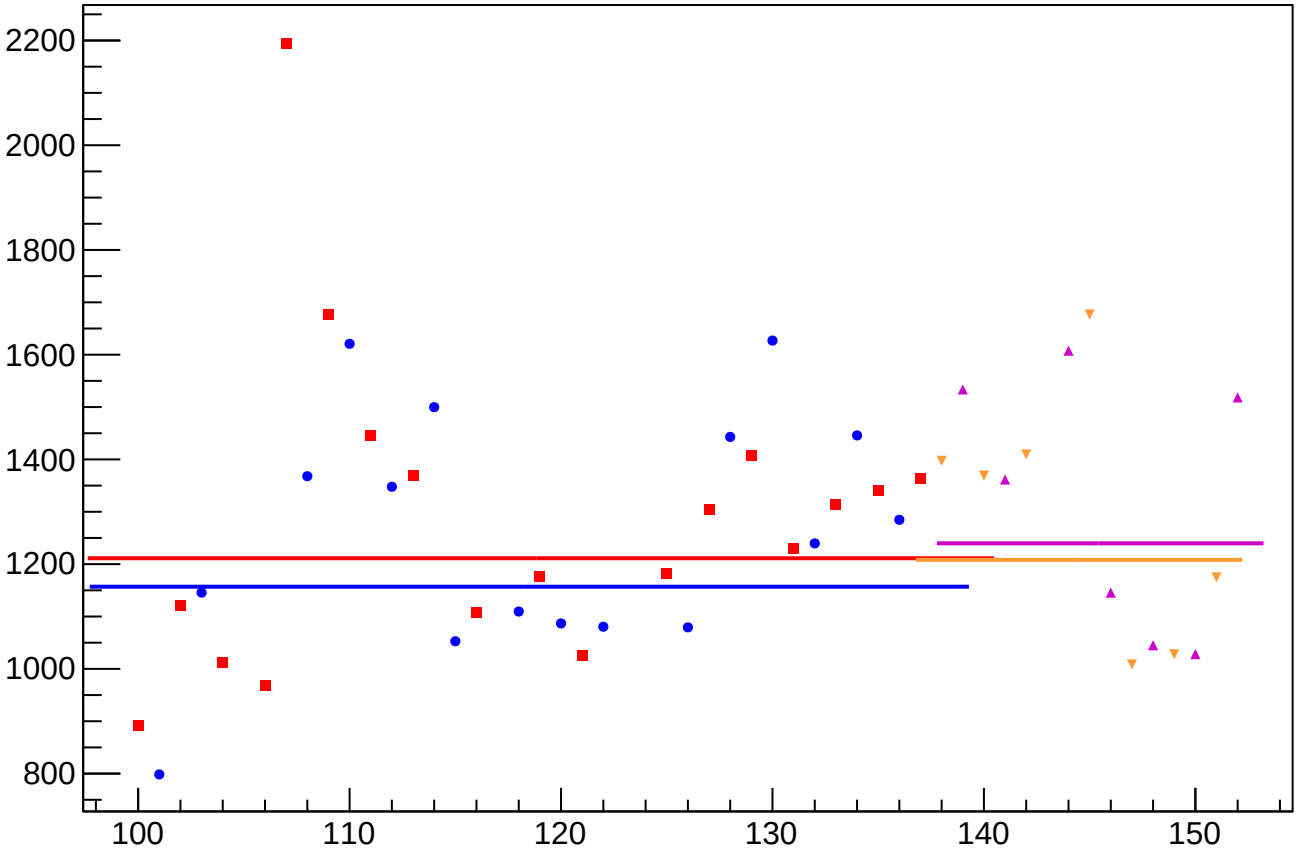
Left In: -315.634+/-510.276 χ^2/NDF:2.3/6

+ sign 133.346+/-339.290 χ^2/NDF: 25.1/22

All: 22.318+/-239.996 χ^2/NDF: 43.2/47

- sign -88.863+/-339.522 χ^2/NDF: 17.9/24

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1208.163+/-0.376 χ^2/NDF:311866.3/6

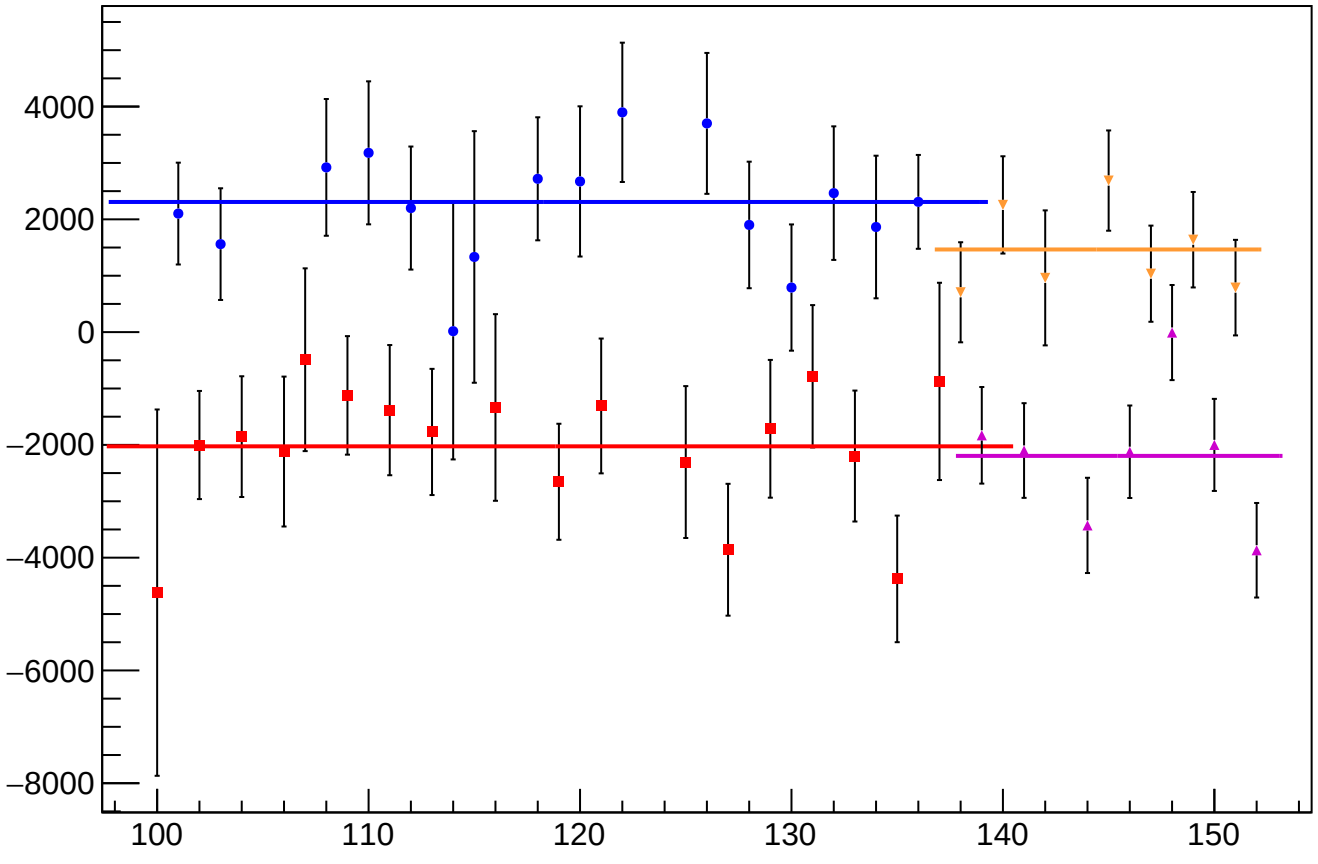
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1239.780+/-0.361 χ^2/NDF:372376.8/6

+ sign 1177.816+/-0.240 χ^2/NDF: 891988.5/22

All: 1200.837+/-0.170 χ^2/NDF: 1683987.0/47

- sign 1223.889+/-0.240 χ^2/NDF: 773572.2/24



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

Left Out: 1465.570+/-338.260 χ^2/NDF:4.6/6

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

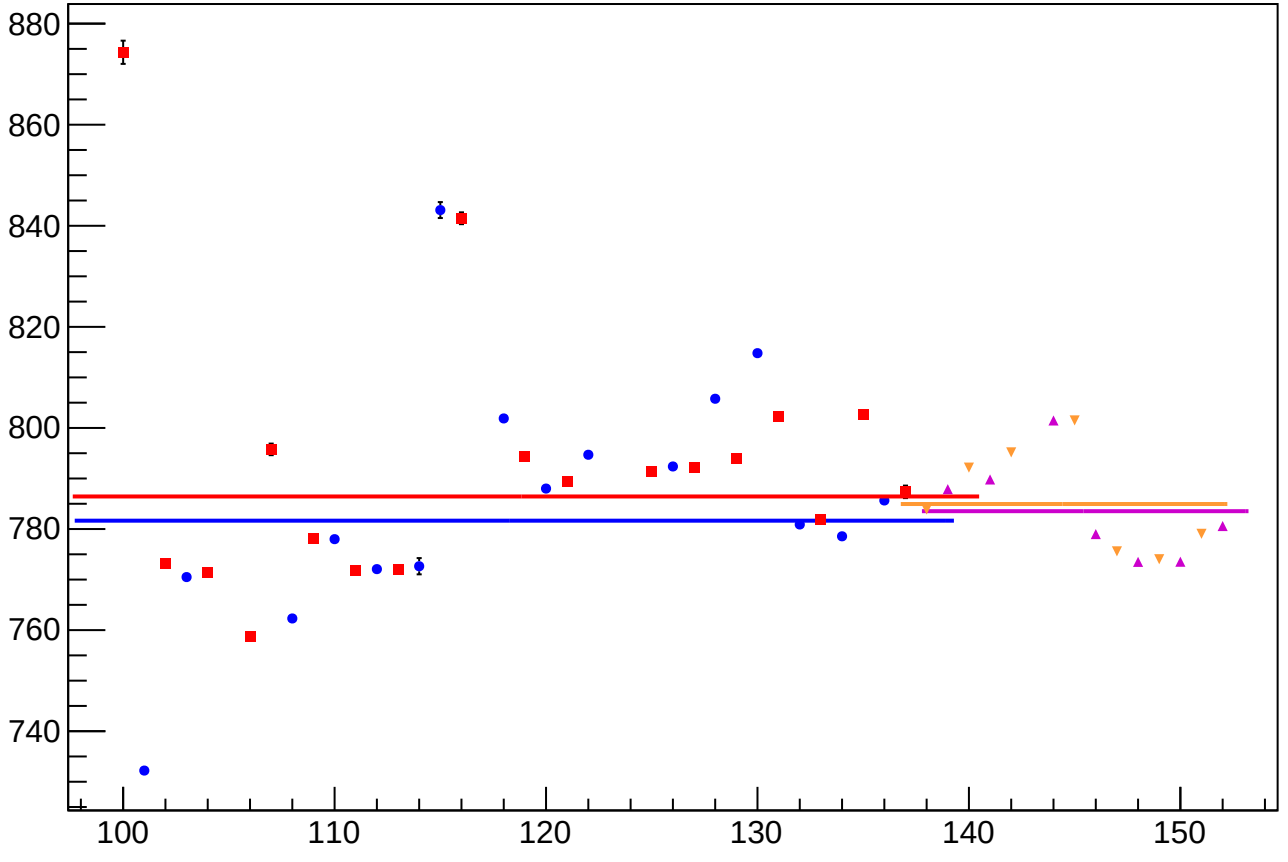
Left In: -2195.076+/-316.258 χ^2/NDF:13.1/6

+ sign 1950.595+/-220.353 χ^2/NDF: 15.9/22

All: -138.674+/-153.392 χ^2/NDF: 215.6/47

- sign -2102.967+/-213.661 χ^2/NDF: 25.2/24

cor_asym_us_avg_rms vs Slug



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

Left Out: 784.951+/-0.239 χ^2/NDF:1651.2/6

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

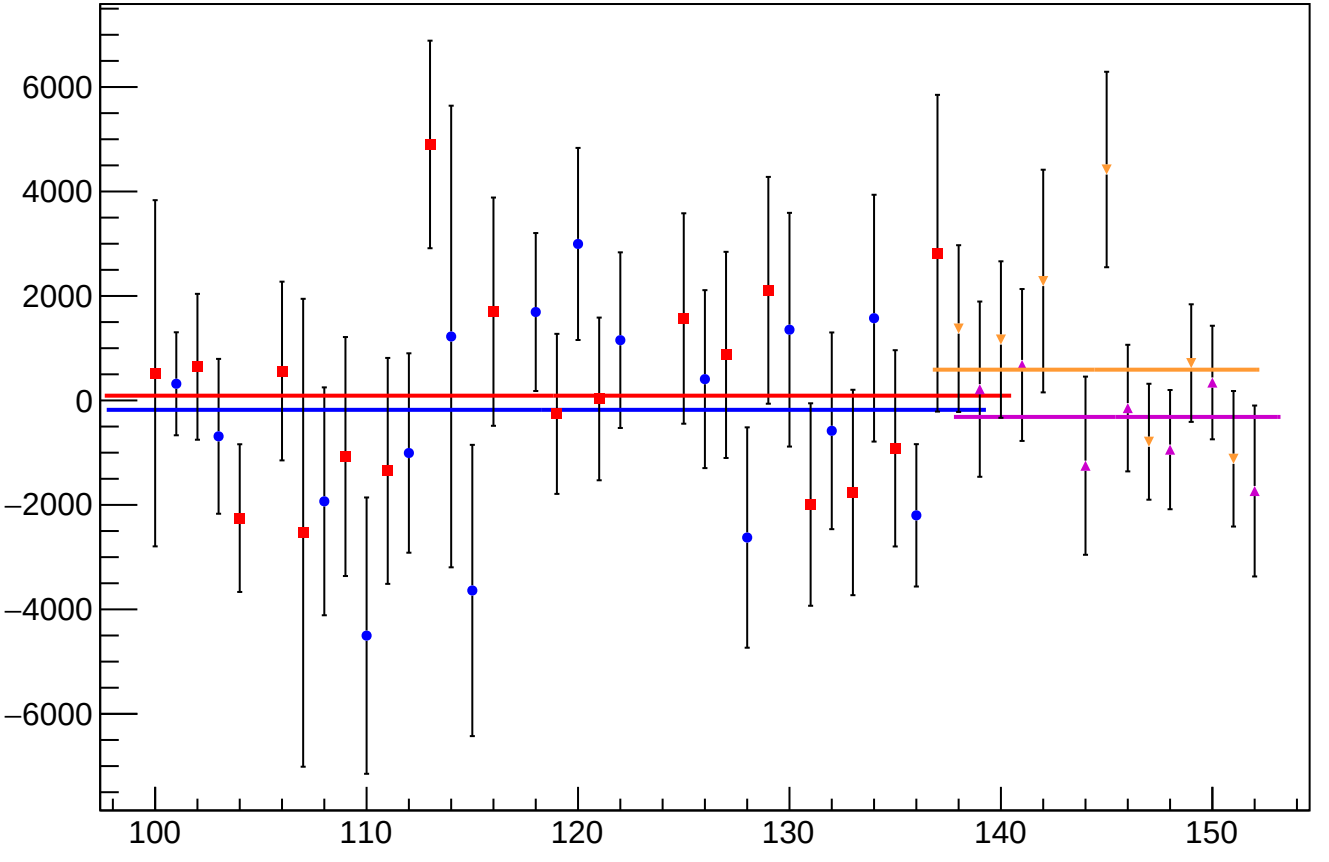
Left In: 783.533+/-0.224 χ^2/NDF:1734.6/6

+ sign 783.053+/-0.156 χ^2/NDF: 14079.6/22

All: 784.116+/-0.108 χ^2/NDF: 23198.2/47

- sign 785.115+/-0.151 χ^2/NDF: 9028.3/24

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: 588.911+/-531.527 χ^2/NDF:8.5/6

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

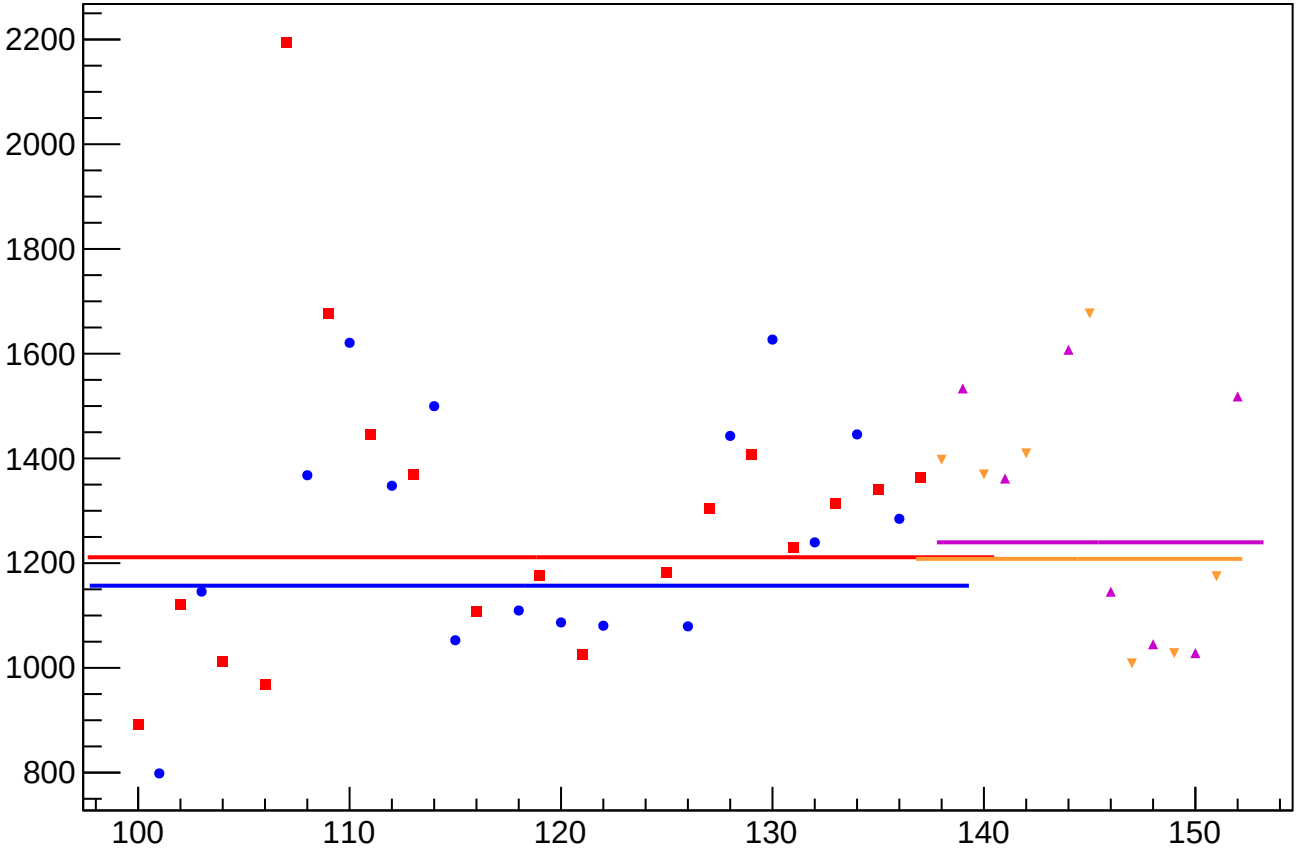
Left In: -315.634+/-510.276 χ^2/NDF:2.3/6

+ sign 133.346+/-339.290 χ^2/NDF: 25.1/22

All: 22.318+/-239.996 χ^2/NDF: 43.2/47

- sign -88.863+/-339.522 χ^2/NDF: 17.9/24

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1208.163+/-0.376 χ^2/NDF:311866.3/6

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

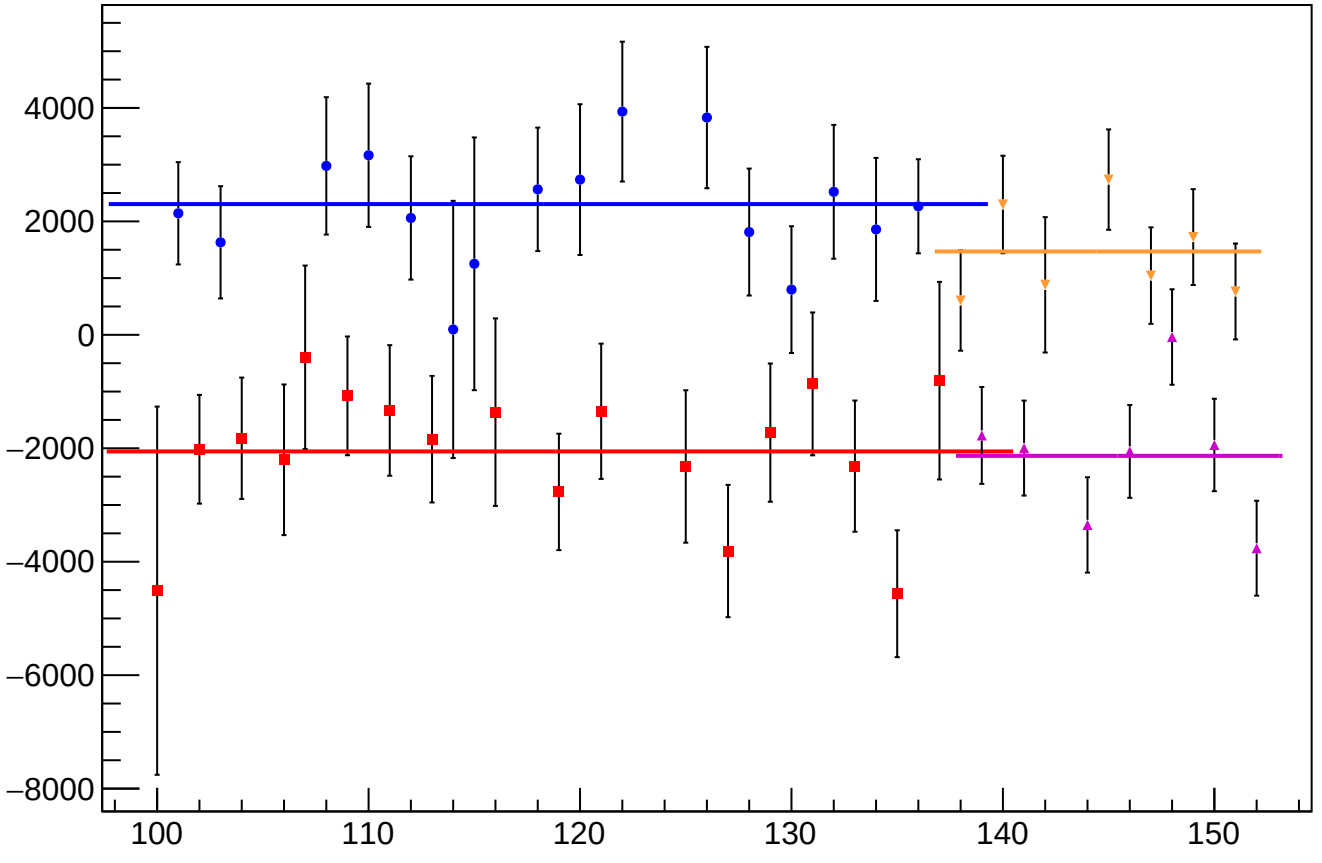
Left In: 1239.780+/-0.361 χ^2/NDF:372376.8/6

+ sign 1177.816+/-0.240 χ^2/NDF: 891988.5/22

All: 1200.837+/-0.170 χ^2/NDF: 1683987.0/47

- sign 1223.889+/-0.240 χ^2/NDF: 773572.2/24

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1470.054+/-337.240 χ^2/NDF:5.2/6

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

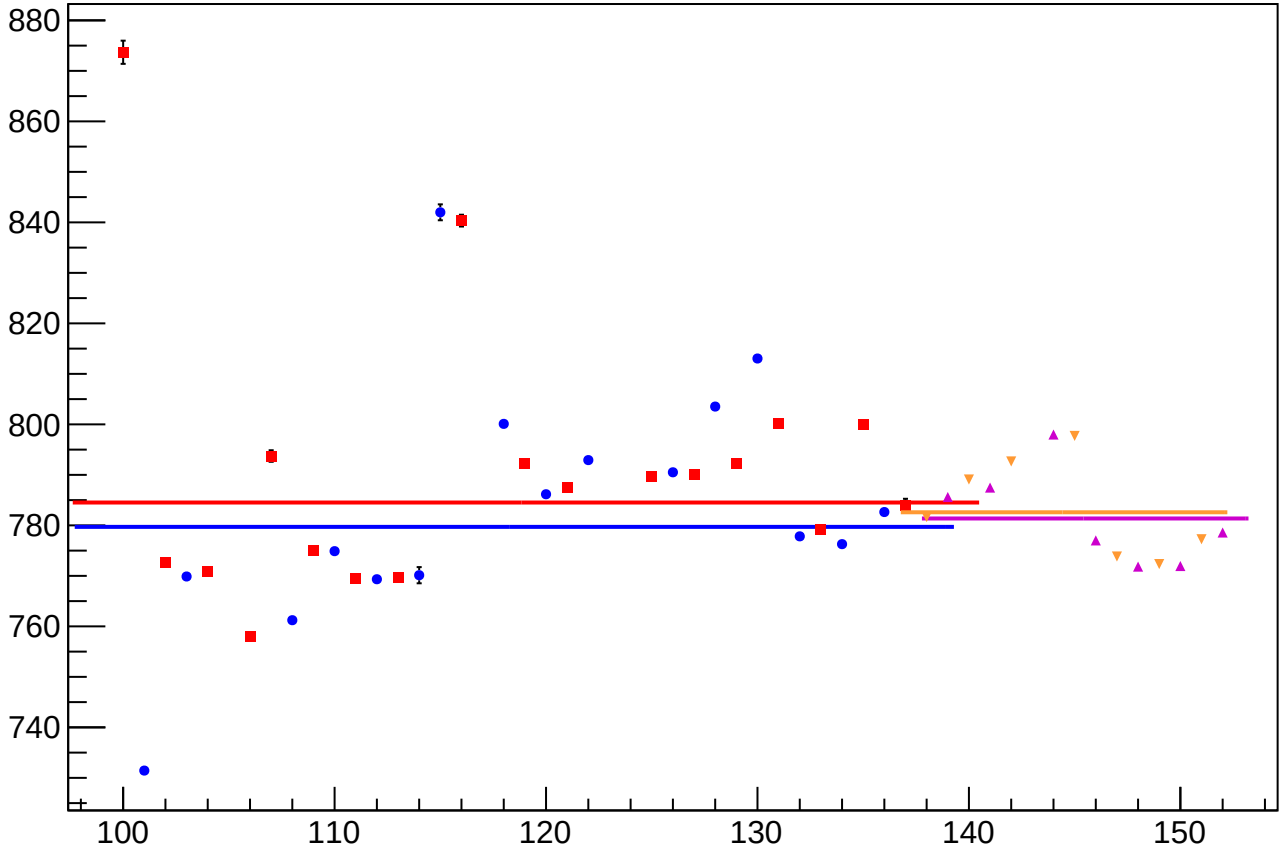
Left In: -2133.339+/-315.379 χ^2/NDF:12.4/6

+ sign 1950.387+/-219.753 χ^2/NDF: 16.8/22

All: -132.416+/-152.985 χ^2/NDF: 216.4/47

- sign -2091.131+/-213.106 χ^2/NDF: 25.3/24

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 782.592+/-0.238 χ^2/NDF:1429.1/6

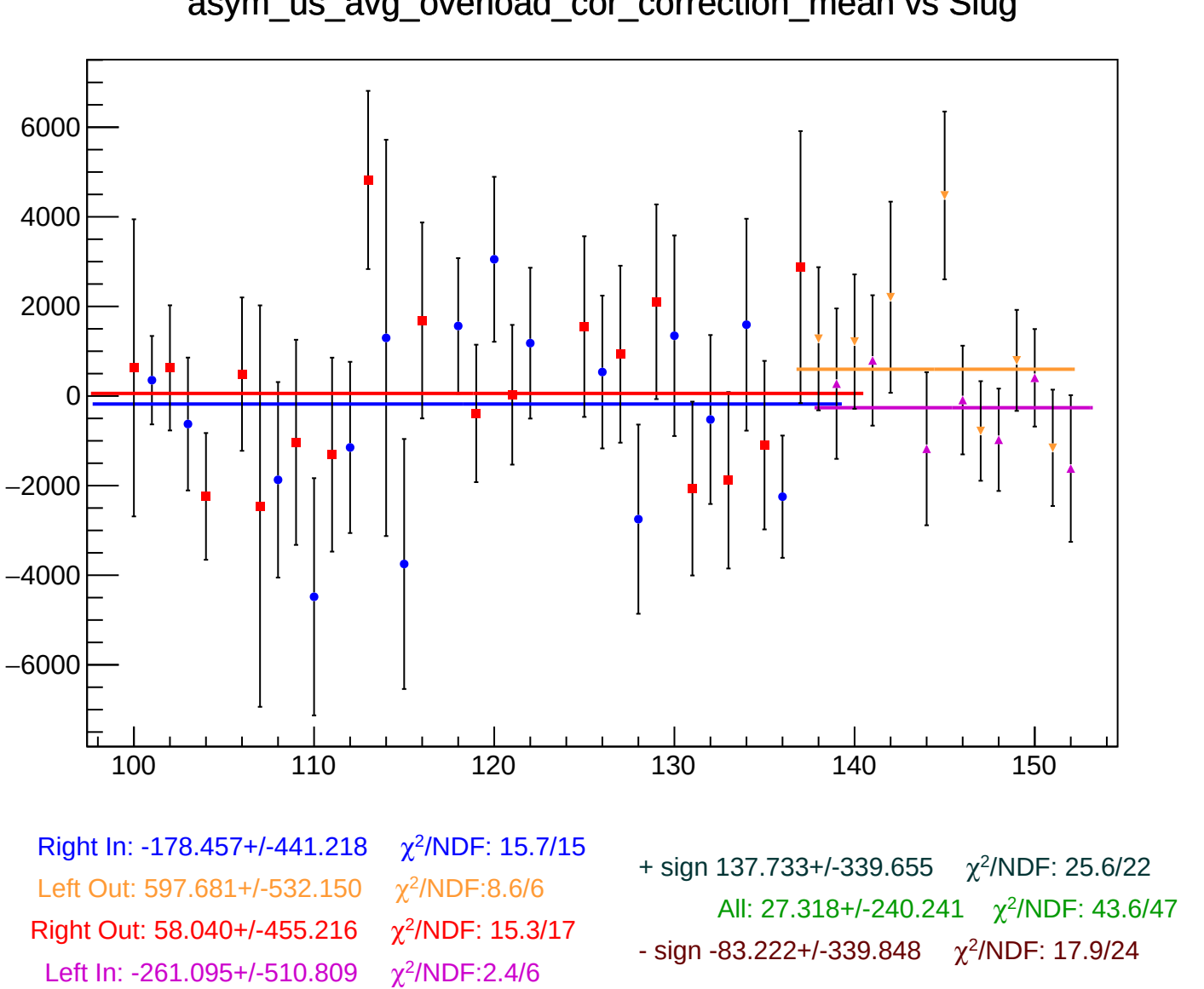
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 781.363+/-0.223 χ^2/NDF:1539.7/6

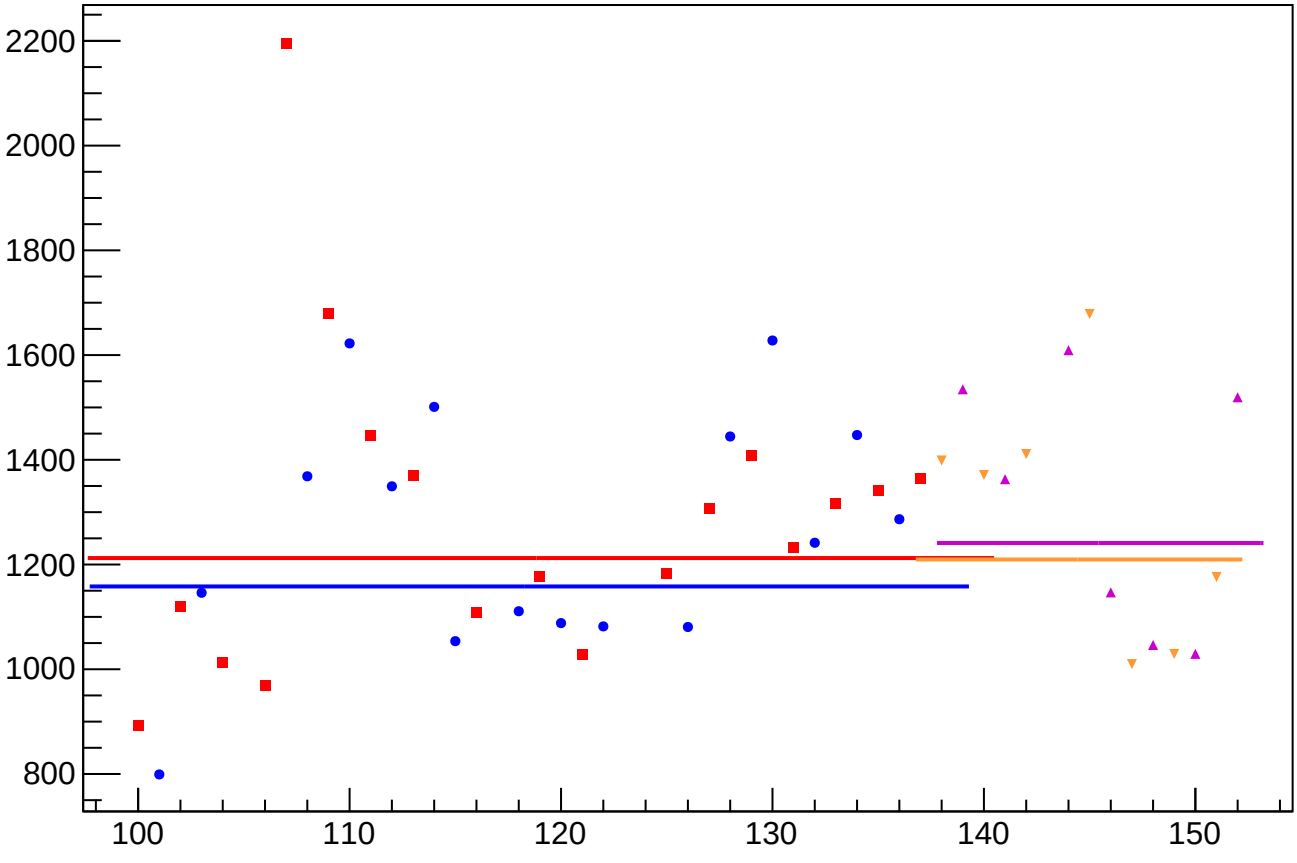
\+ sign 780.929+/-0.155 χ^2/NDF: 13573.8/22

All: 782.038+/-0.108 χ^2/NDF: 22481.6/47

\- sign 783.081+/-0.151 χ^2/NDF: 8809.0/24


asym_us_avg_overload_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -178.457+/-441.218 χ²/NDF: 15.7/15
Left Out: 597.681+/-532.150 χ²/NDF:8.6/6
Right Out: 58.040+/-455.216 χ²/NDF: 15.3/17
Left In: -261.095+/-510.809 χ²/NDF:2.4/6
+ sign 137.733+/-339.655 χ²/NDF: 25.6/22
All: 27.318+/-240.241 χ²/NDF: 43.6/47
- sign -83.222+/-339.848 χ²/NDF: 17.9/24

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1209.618+/-0.376 χ^2/NDF:311497.2/6

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

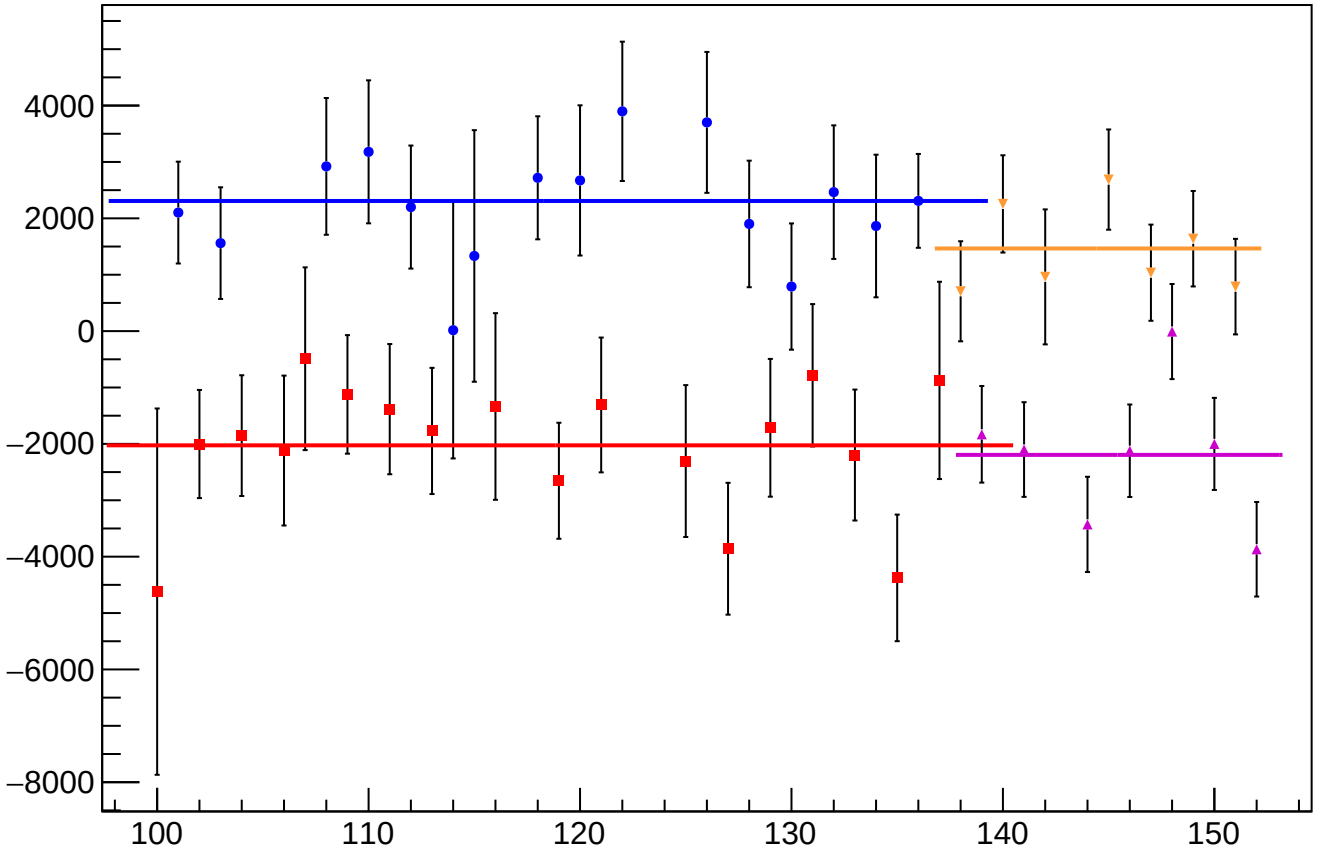
Left In: 1241.114+/-0.361 χ^2/NDF:371823.4/6

+ sign 1179.108+/-0.240 χ^2/NDF: 891735.9/22

All: 1202.081+/-0.170 χ^2/NDF: 1683342.5/47

- sign 1225.080+/-0.240 χ^2/NDF: 773297.1/24

eigen_cor_asym_us_avg_mean vs Slug



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

Left Out: 1465.570+/-338.260 χ^2/NDF:4.6/6

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

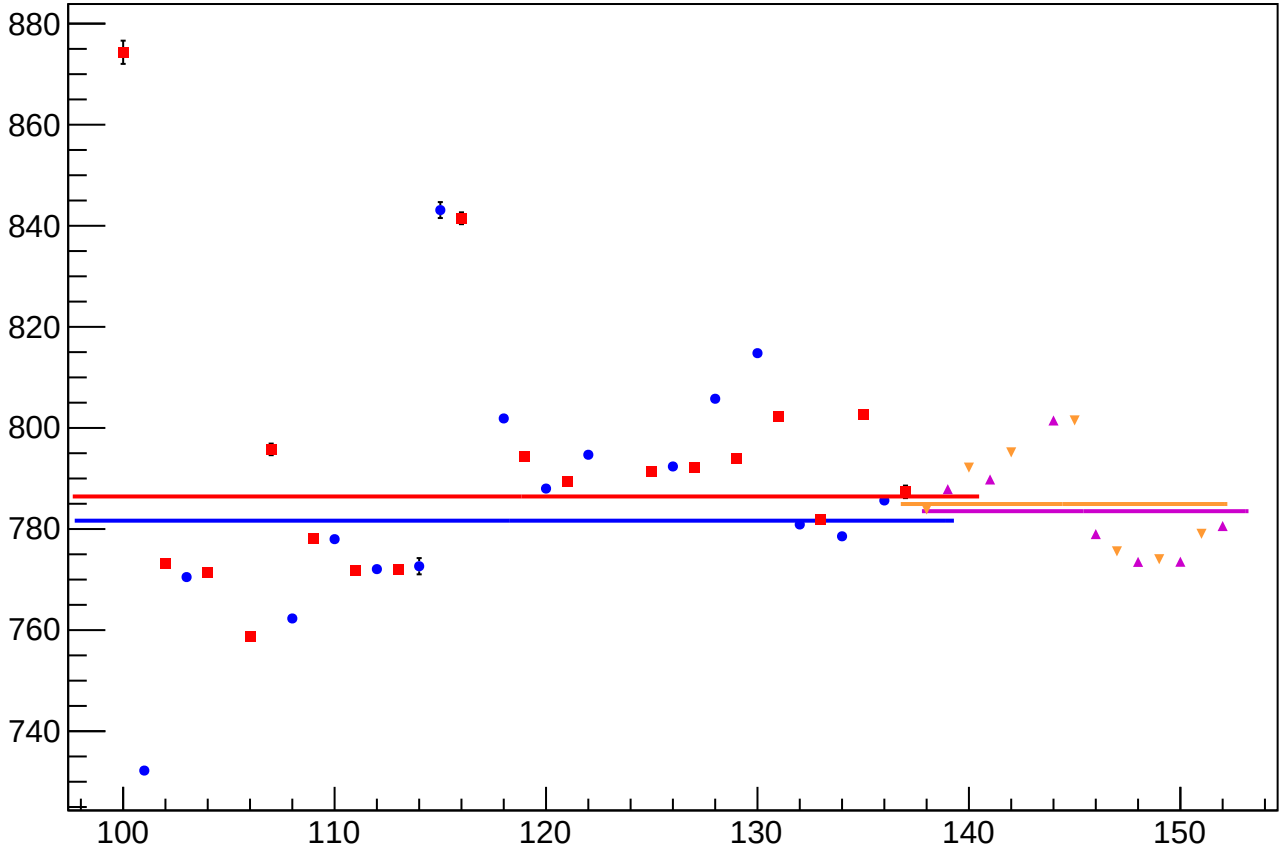
Left In: -2195.076+/-316.258 χ^2/NDF:13.1/6

+ sign 1950.595+/-220.353 χ^2/NDF: 15.9/22

All: -138.674+/-153.392 χ^2/NDF: 215.6/47

- sign -2102.967+/-213.661 χ^2/NDF: 25.2/24

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 784.951+/-0.239 χ^2/NDF:1651.2/6

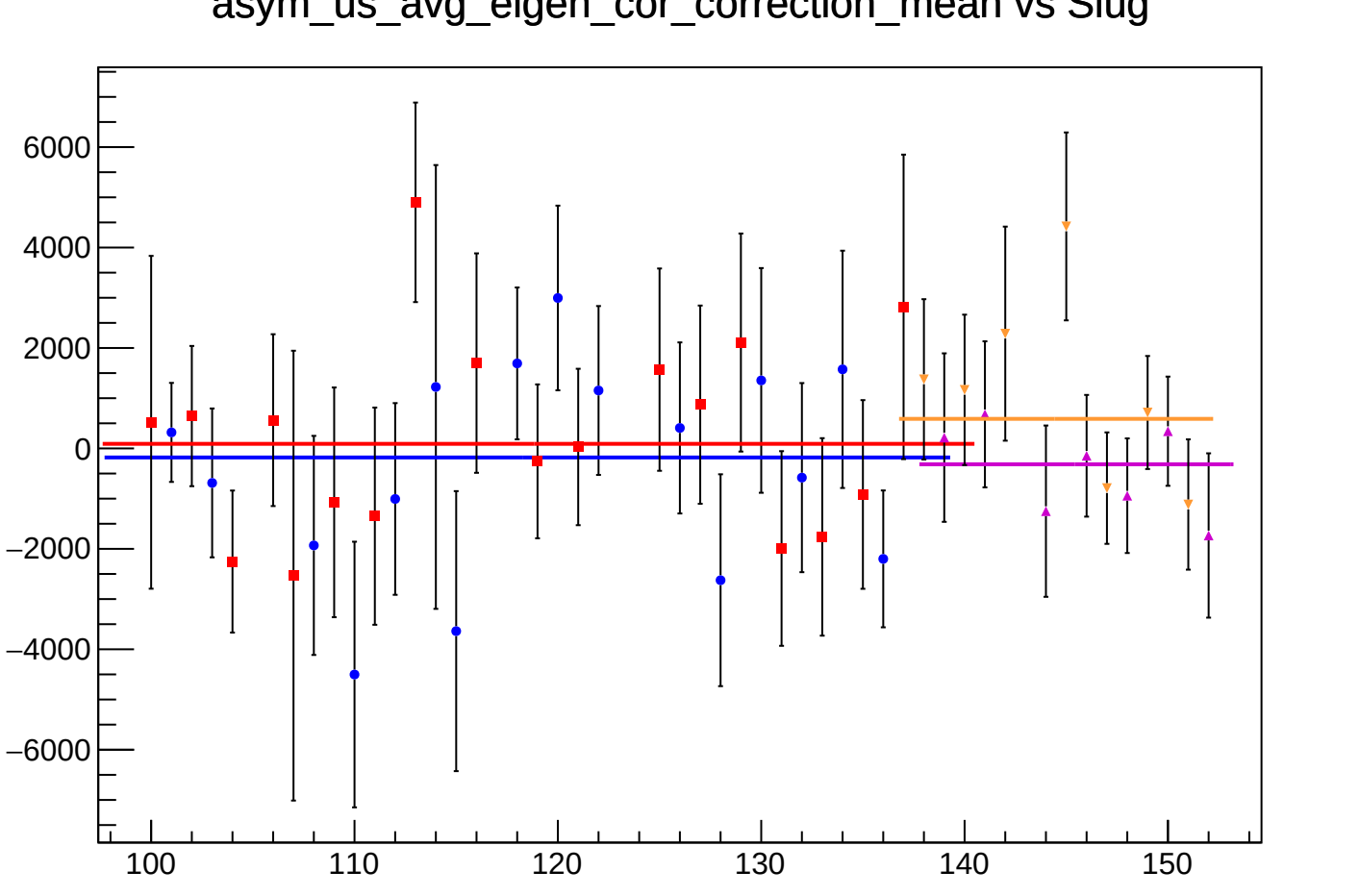
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 783.533+/-0.224 χ^2/NDF:1734.6/6

+ sign 783.053+/-0.156 χ^2/NDF: 14079.6/22

All: 784.116+/-0.108 χ^2/NDF: 23198.2/47

- sign 785.115+/-0.151 χ^2/NDF: 9028.3/24



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

Left Out: 588.911+/-531.527 χ^2/NDF:8.5/6

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

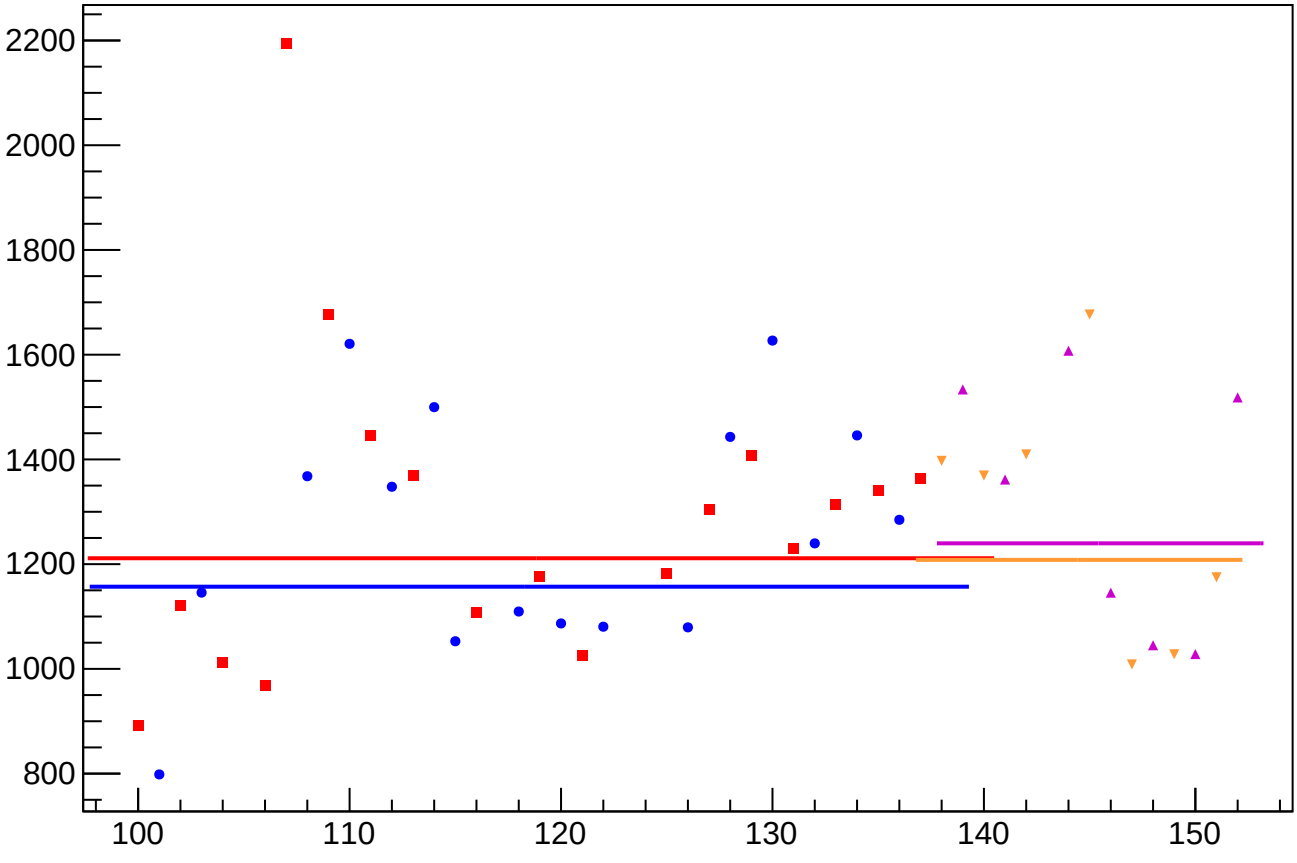
Left In: -315.634+/-510.276 χ^2/NDF:2.3/6

+ sign 133.346+/-339.290 χ^2/NDF: 25.1/22

All: 22.318+/-239.996 χ^2/NDF: 43.2/47

- sign -88.863+/-339.522 χ^2/NDF: 17.9/24

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1208.163+/-0.376 χ^2/NDF:311866.3/6

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

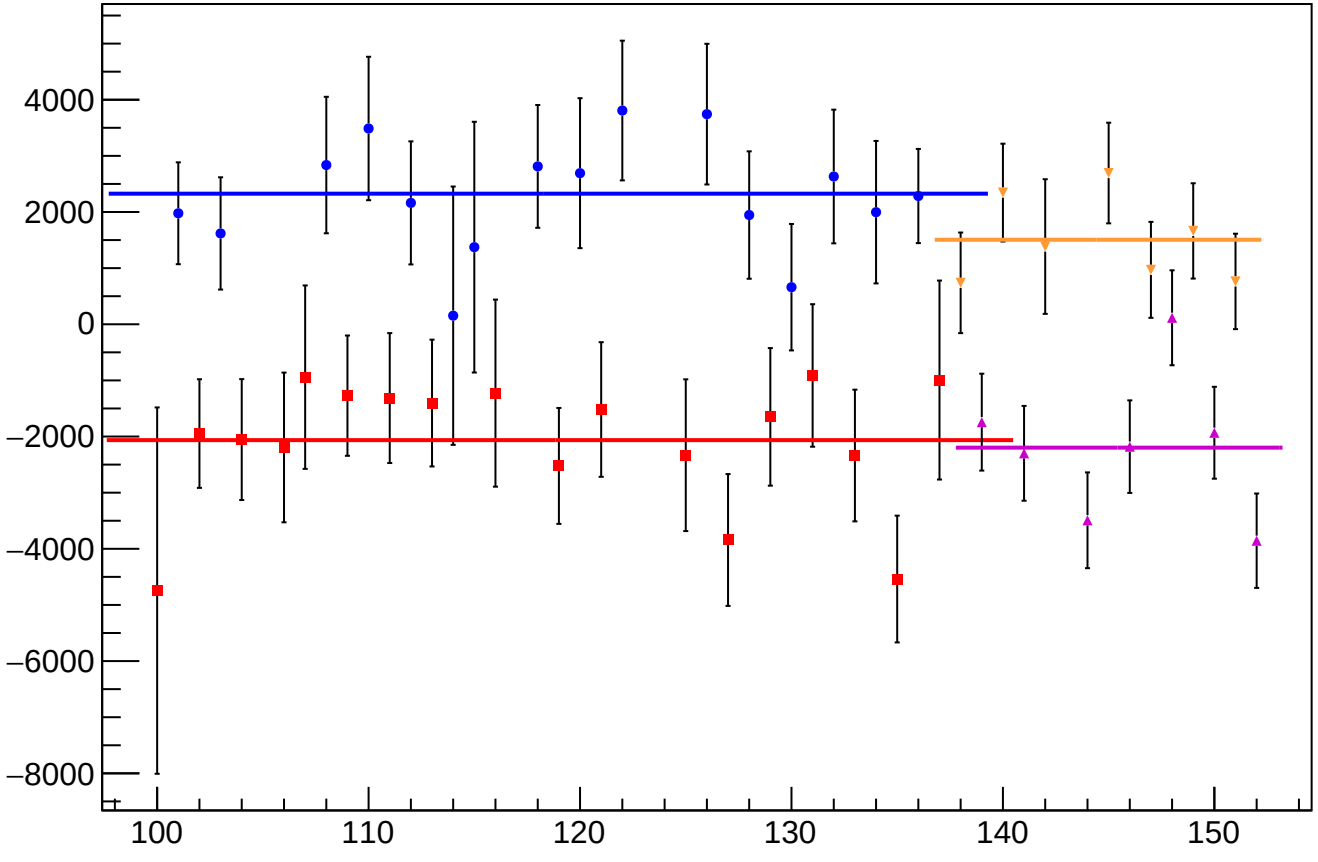
Left In: 1239.780+/-0.361 χ^2/NDF:372376.8/6

+ sign 1177.816+/-0.240 χ^2/NDF: 891988.5/22

All: 1200.837+/-0.170 χ^2/NDF: 1683987.0/47

- sign 1223.889+/-0.240 χ^2/NDF: 773572.2/24

dit_asym_us_avg_mean vs Slug



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

Left Out: 1506.030+/-340.189 χ^2/NDF:4.6/6

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

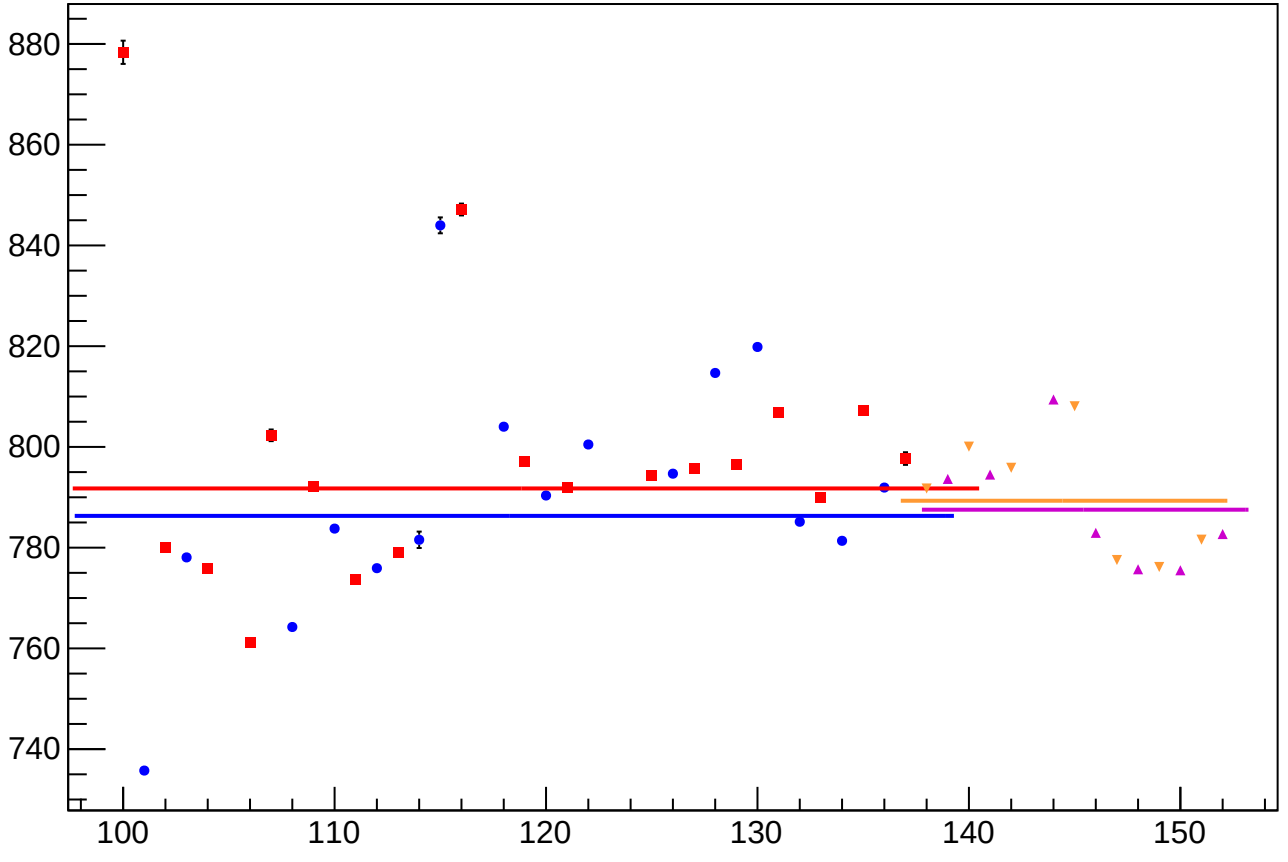
Left In: -2197.804+/-317.903 χ^2/NDF:14.1/6

+ sign 1978.163+/-221.648 χ^2/NDF: 16.1/22

All: -136.278+/-154.312 χ^2/NDF: 218.5/47

- sign -2125.169+/-214.967 χ^2/NDF: 25.8/24

dit_asym_us_avg_rms vs Slug



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

Left Out: 789.314+/-0.241 χ^2/NDF:2277.4/6

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

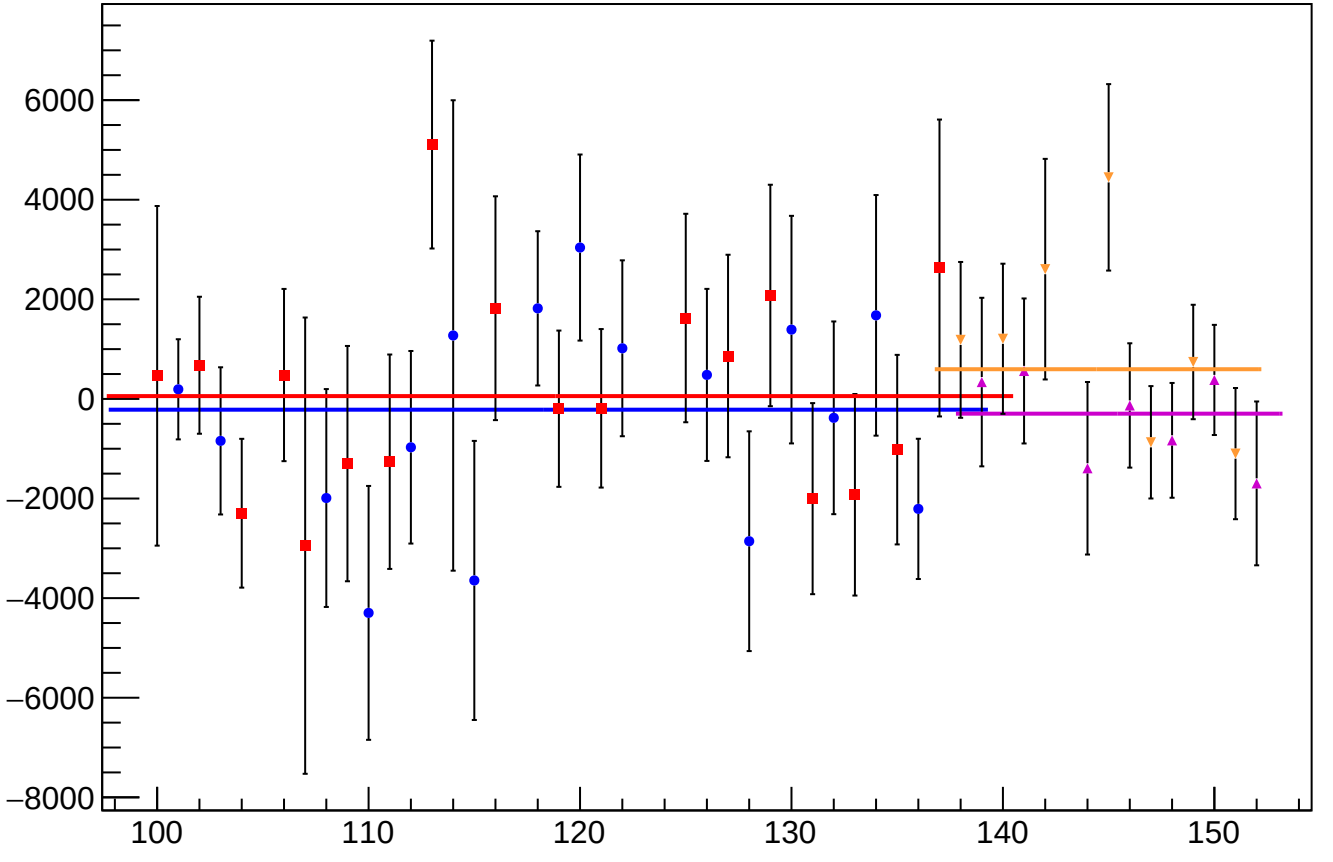
Left In: 787.536+/-0.225 χ^2/NDF:2503.3/6

+ sign 787.585+/-0.157 χ^2/NDF: 14938.2/22

All: 788.740+/-0.109 χ^2/NDF: 24753.3/47

- sign 789.827+/-0.152 χ^2/NDF: 9709.6/24

asym_us_avg_dit_correction_mean vs Slug



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

Left Out: 596.407+/-537.839 χ^2/NDF:8.7/6

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

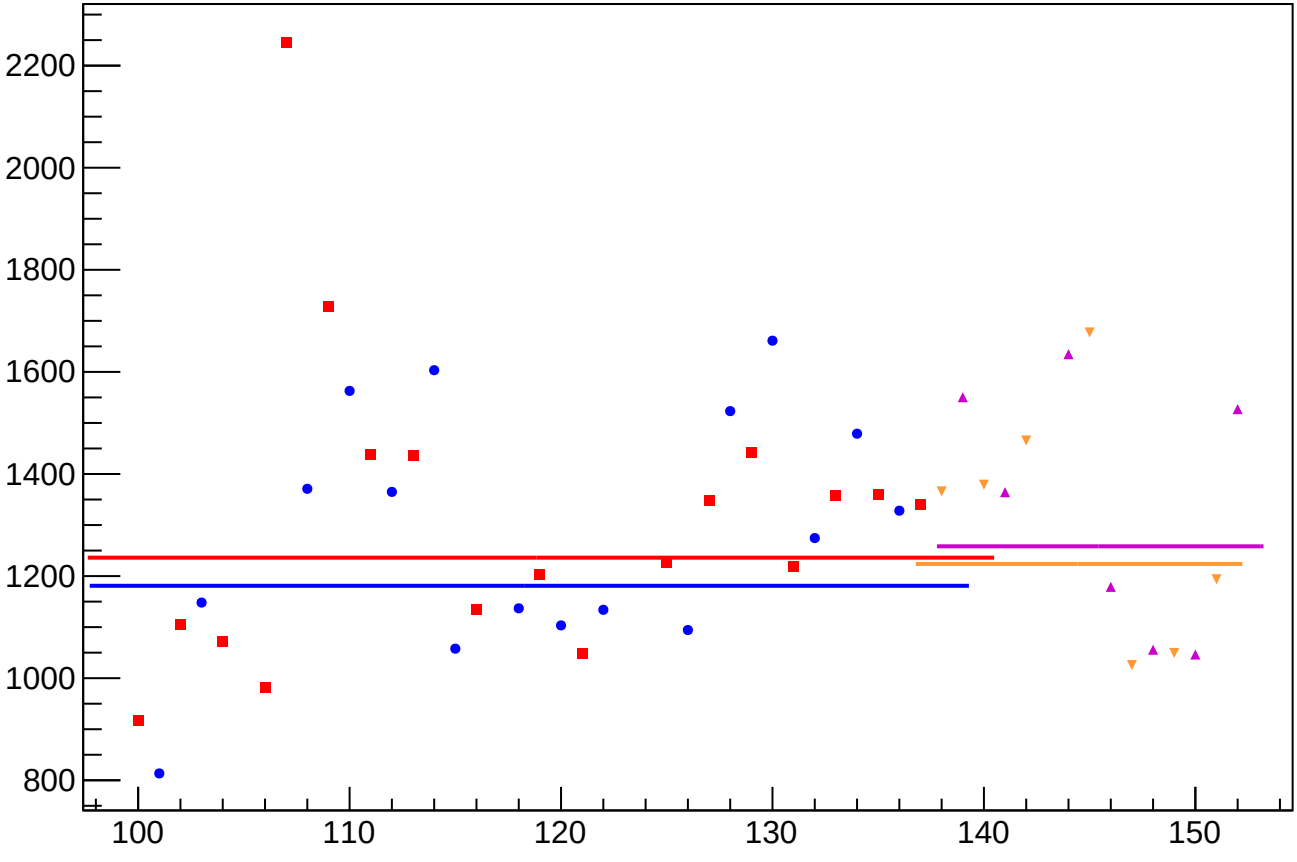
Left In: -296.085+/-517.379 χ^2/NDF:2.2/6

+ sign 118.017+/-344.922 χ^2/NDF: 25.3/22

All: 8.915+/-244.074 χ^2/NDF: 43.2/47

- sign -100.506+/-345.424 χ^2/NDF: 17.6/24

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1223.789+/-0.380 χ^2/NDF:287731.9/6

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

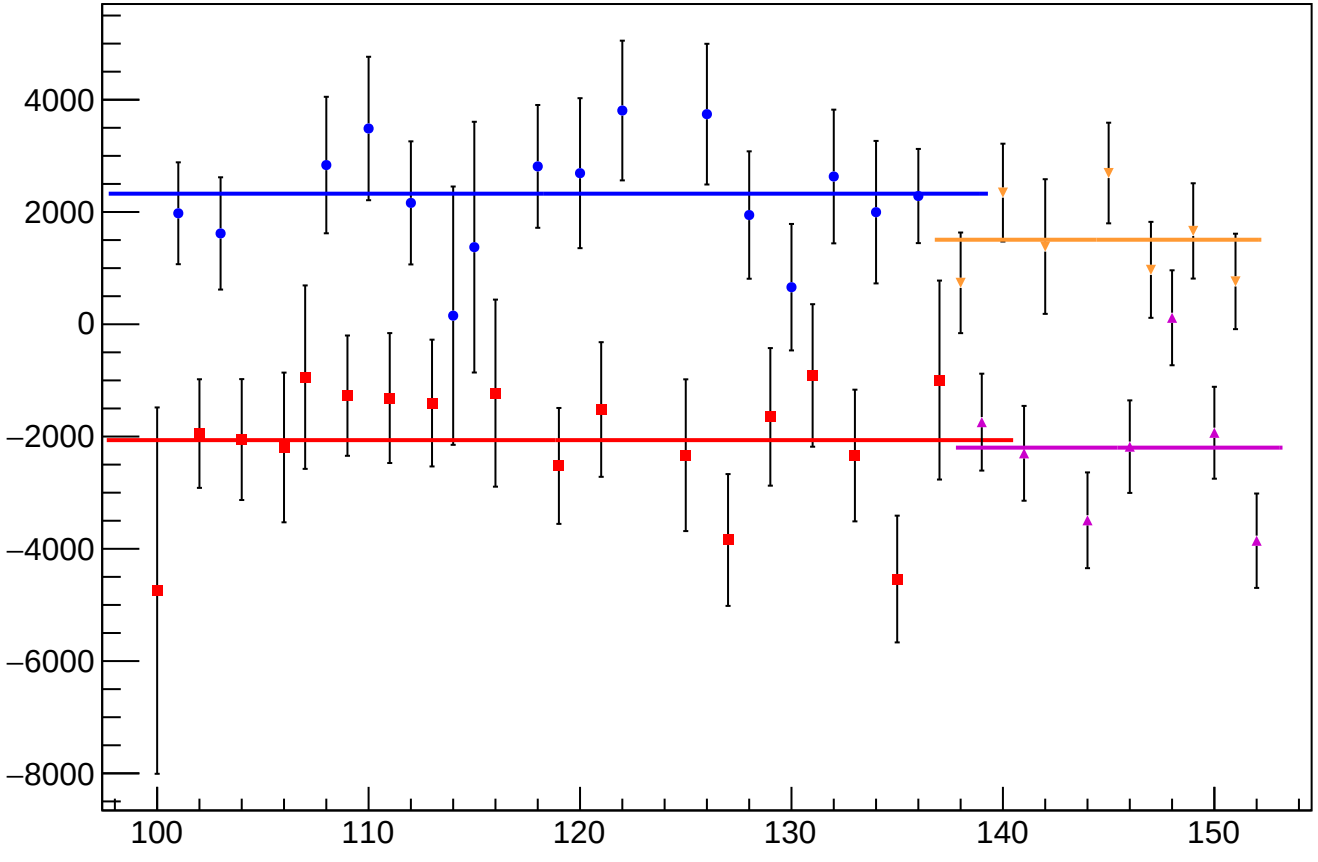
Left In: 1258.354+/-0.366 χ^2/NDF:361335.9/6

+ sign 1198.597+/-0.244 χ^2/NDF: 866292.8/22

All: 1222.283+/-0.173 χ^2/NDF: 1645806.2/47

- sign 1246.039+/-0.244 χ^2/NDF: 760622.6/24

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1506.030+/-340.189 χ^2/NDF:4.6/6

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

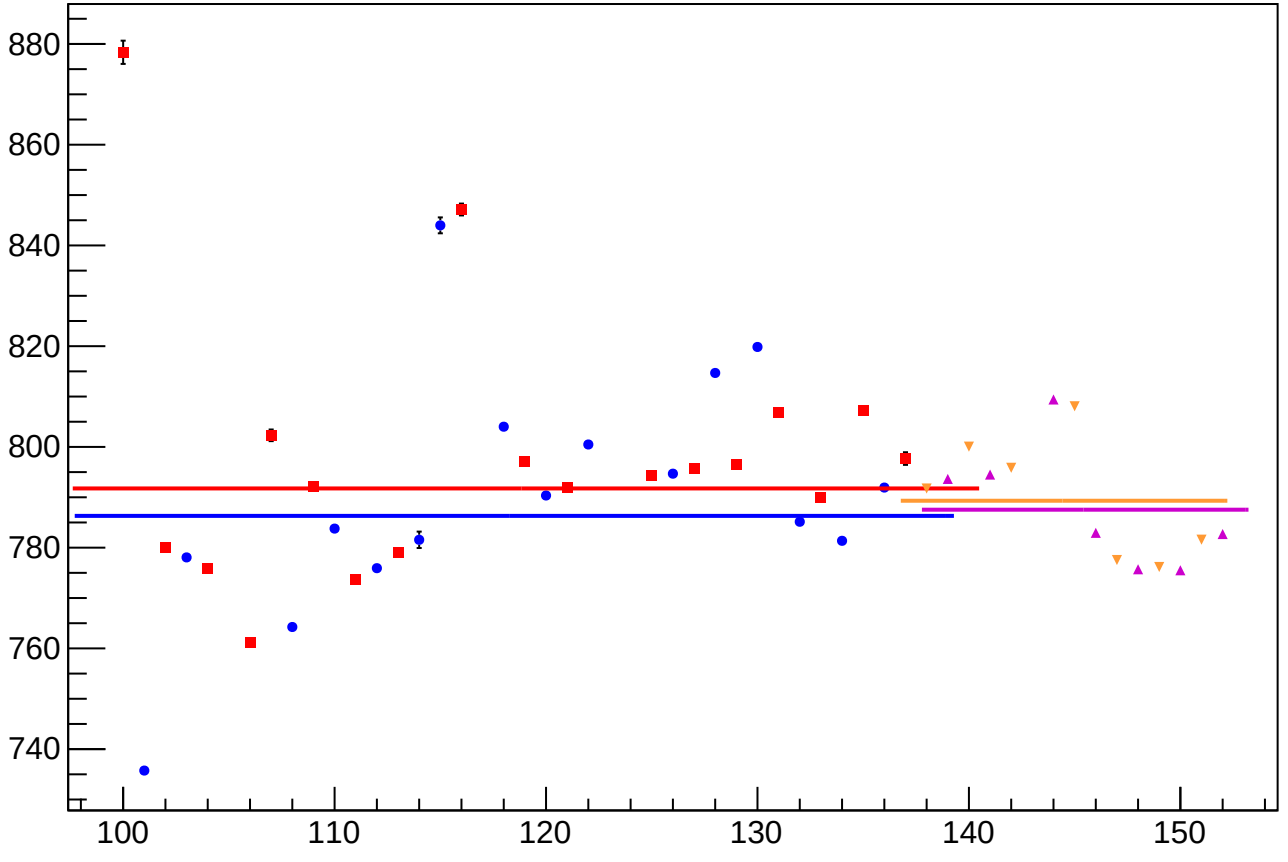
Left In: -2197.805+/-317.903 χ^2/NDF:14.1/6

+ sign 1978.163+/-221.648 χ^2/NDF: 16.1/22

All: -136.279+/-154.312 χ^2/NDF: 218.5/47

- sign -2125.169+/-214.967 χ^2/NDF: 25.8/24

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 789.314+/-0.241 χ^2/NDF:2277.3/6

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

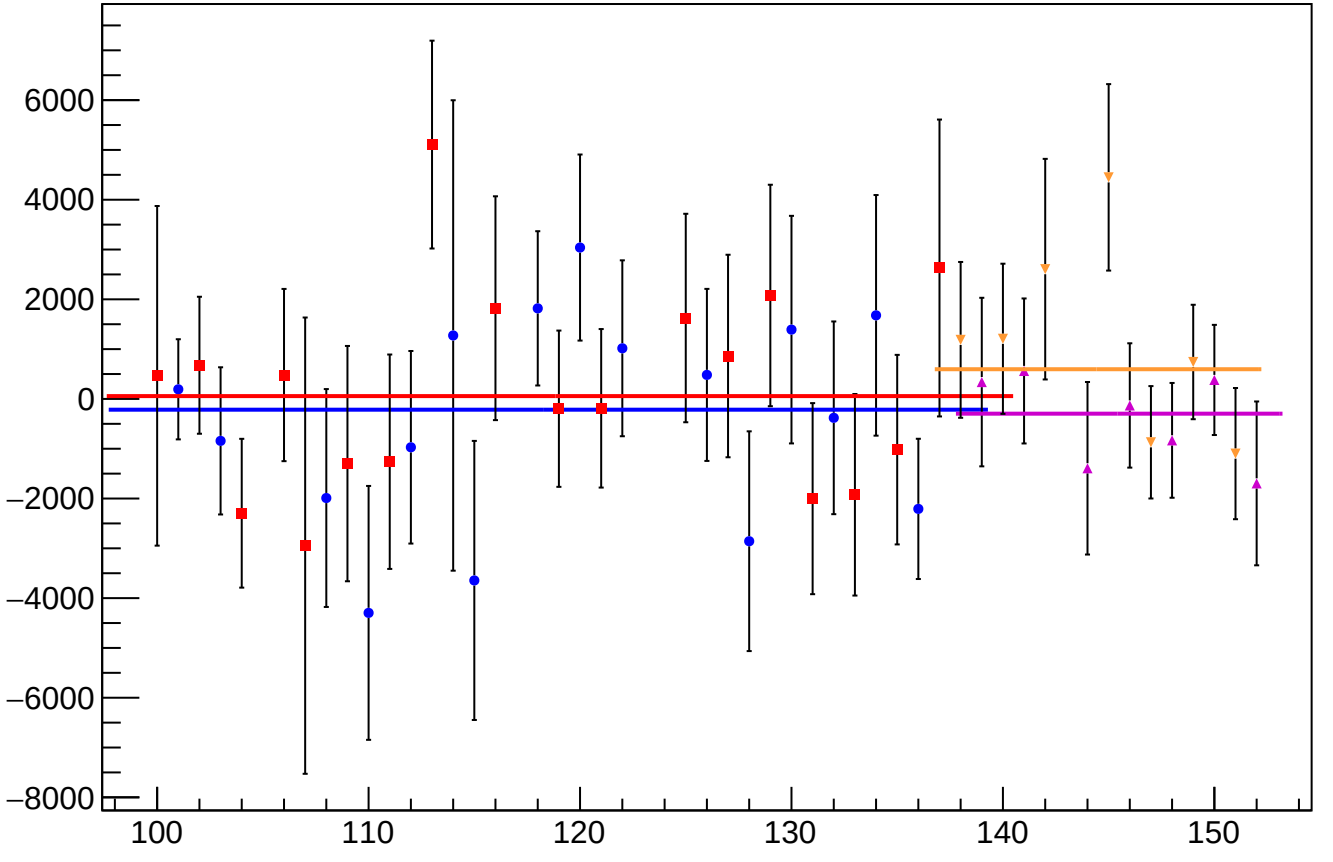
Left In: 787.536+/-0.225 χ^2/NDF:2503.3/6

+ sign 787.585+/-0.157 χ^2/NDF: 14938.2/22

All: 788.740+/-0.109 χ^2/NDF: 24753.2/47

- sign 789.827+/-0.152 χ^2/NDF: 9709.6/24

asym_us_avg_eigen_dit_correction_mean vs Slug



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

Left Out: 596.403+/-537.840 χ^2/NDF:8.7/6

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

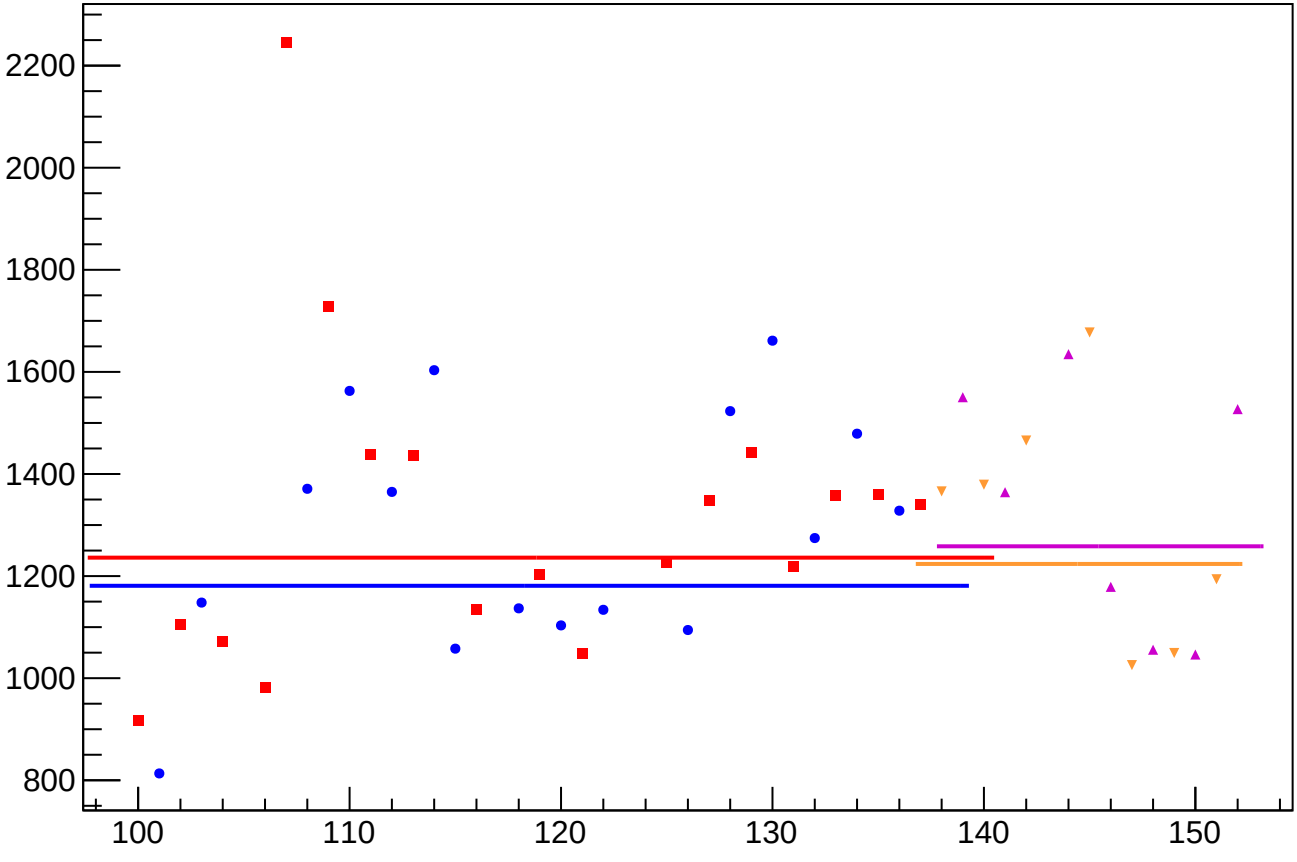
Left In: -296.087+/-517.380 χ^2/NDF:2.2/6

+ sign 118.015+/-344.921 χ^2/NDF: 25.3/22

All: 8.913+/-244.074 χ^2/NDF: 43.2/47

- sign -100.506+/-345.424 χ^2/NDF: 17.6/24

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1223.791+/-0.380 χ^2/NDF:287733.3/6

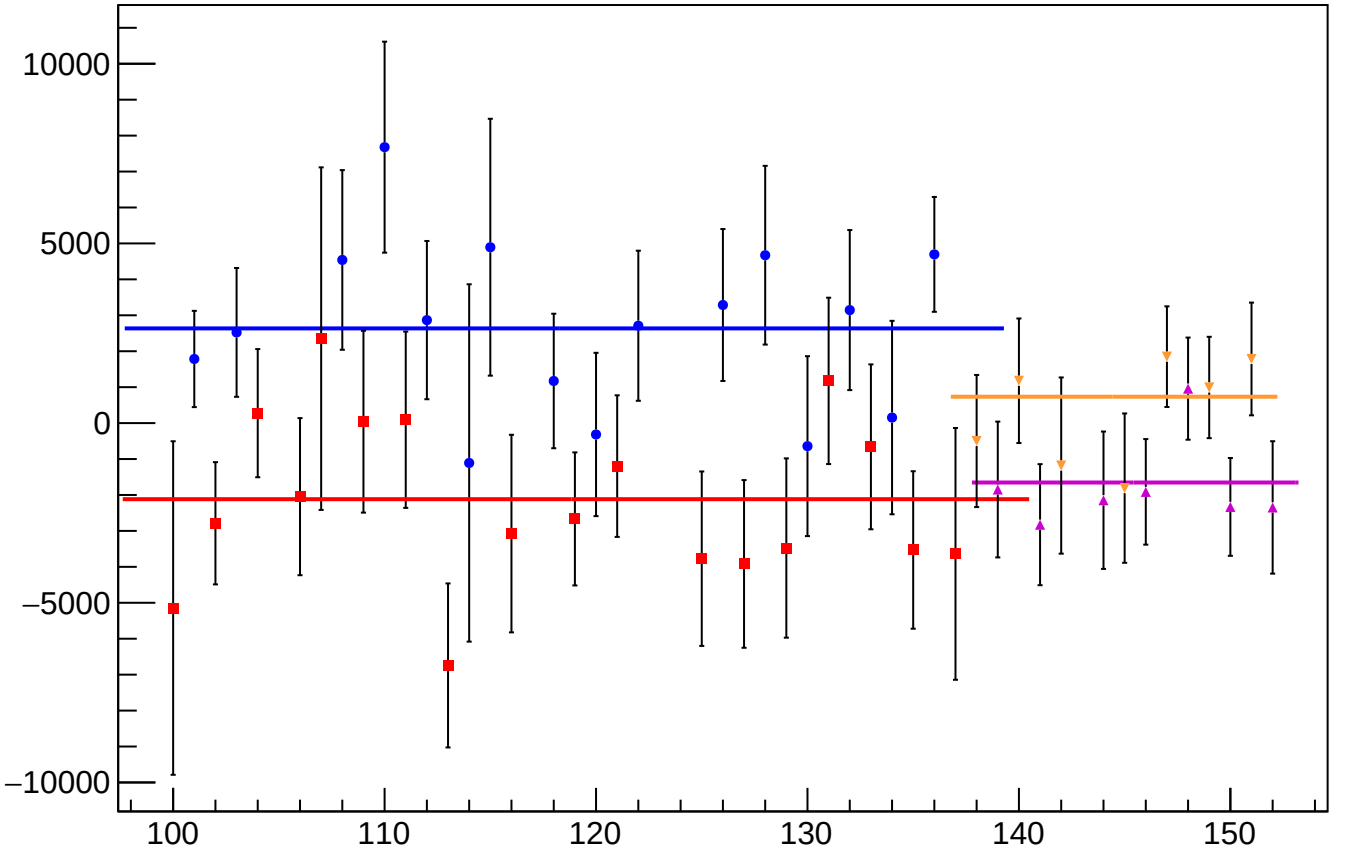
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1258.356+/-0.366 χ^2/NDF:361336.4/6

+ sign 1198.596+/-0.244 χ^2/NDF: 866293.8/22

All: 1222.282+/-0.173 χ^2/NDF: 1645807.3/47

- sign 1246.038+/-0.244 χ^2/NDF: 760622.7/24



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

Left Out: 734.134+/-639.406 χ^2/NDF:3.7/6

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

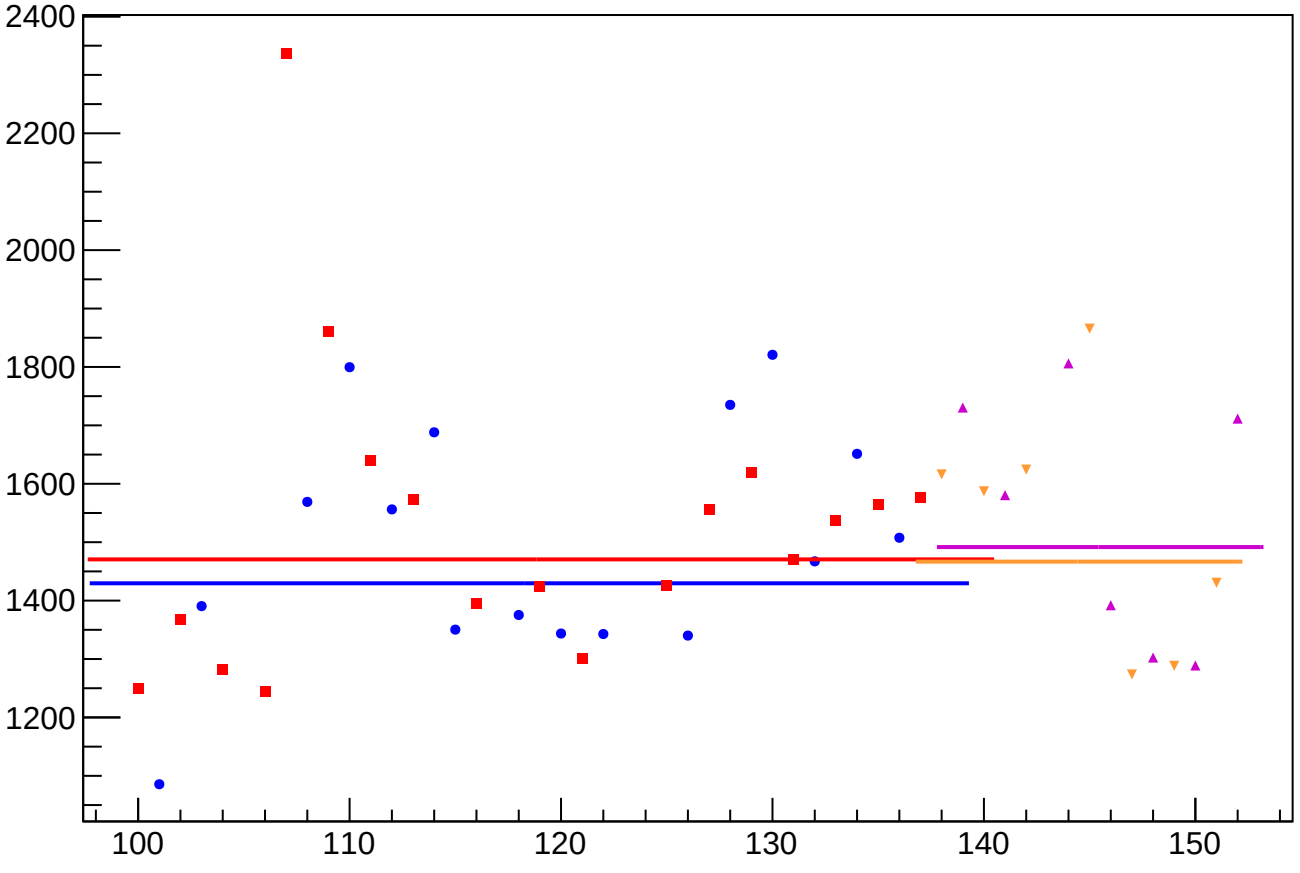
Left In: -1653.489+/-608.702 χ^2/NDF:4.4/6

+ sign 1847.250+/-411.679 χ^2/NDF: 21.2/22

All: -52.489+/-289.453 χ^2/NDF: 81.7/47

- sign -1909.808+/-407.057 χ^2/NDF: 18.4/24

asym_us_avg_rms vs Slug



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

Left Out: 1466.719+/-0.452 χ^2/NDF:175904.5/6

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

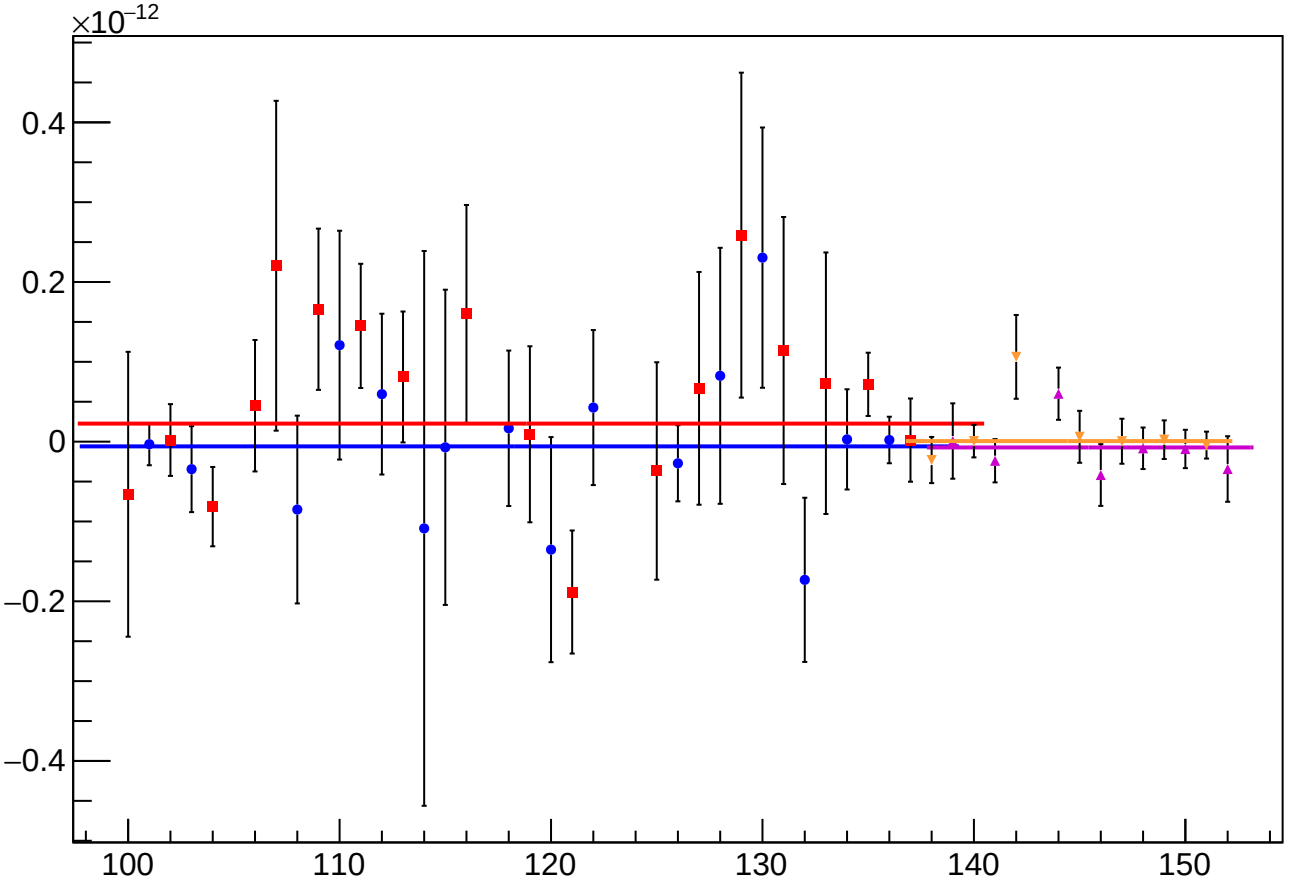
Left In: 1491.649+/-0.430 χ^2/NDF:209126.1/6

+ sign 1445.019+/-0.291 χ^2/NDF: 473227.6/22

All: 1462.704+/-0.205 χ^2/NDF: 909046.7/47

- sign 1479.994+/-0.288 χ^2/NDF: 428520.0/24

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:4.8/6

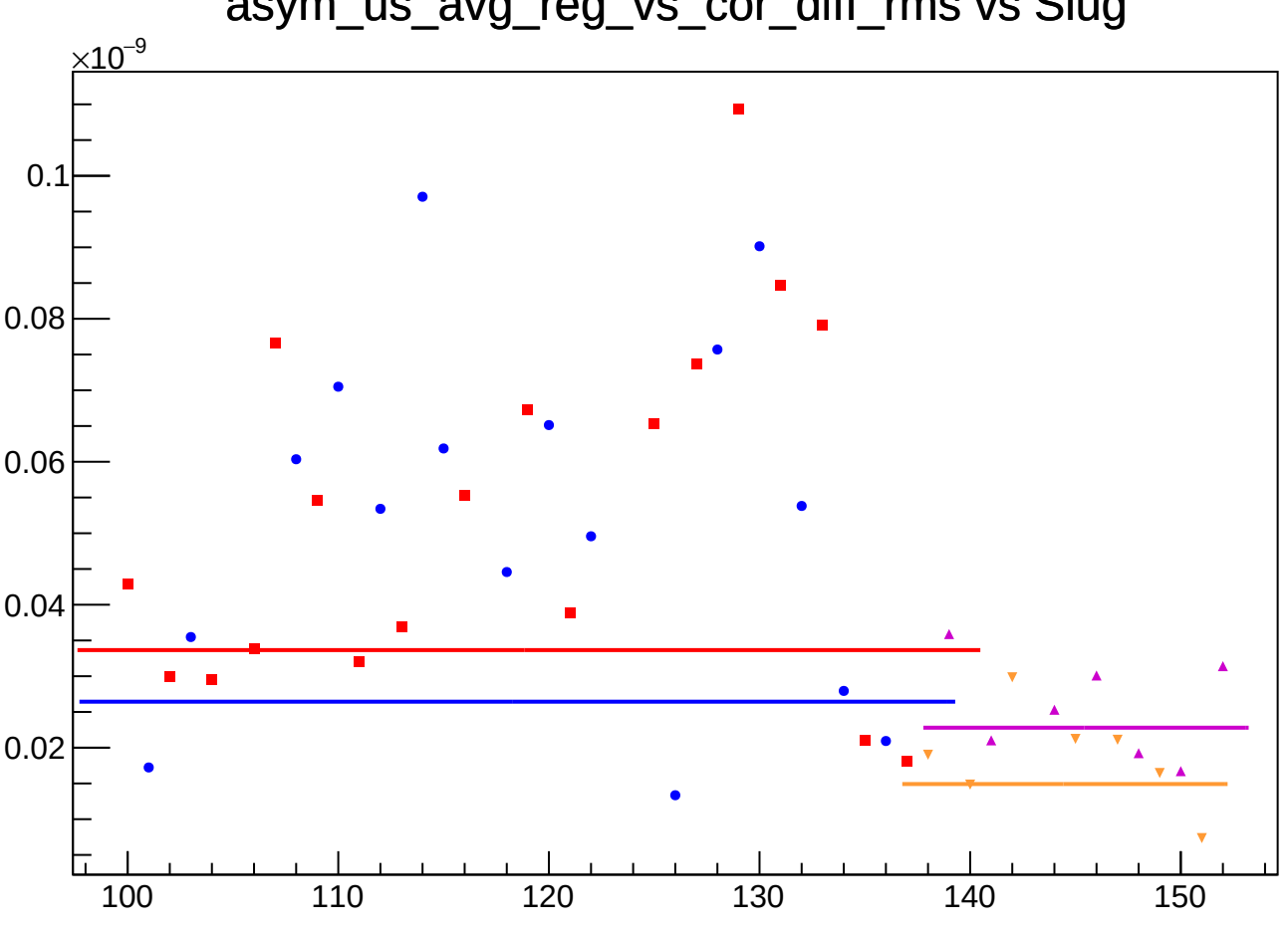
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 13.5/22

All: -0.000+/-0.000 χ^2/NDF: 44.4/47

- sign 0.000+/-0.000 χ^2/NDF: 30.8/24



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

Left Out: 0.000+/-0.000 χ^2/NDF:783482.3/6

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

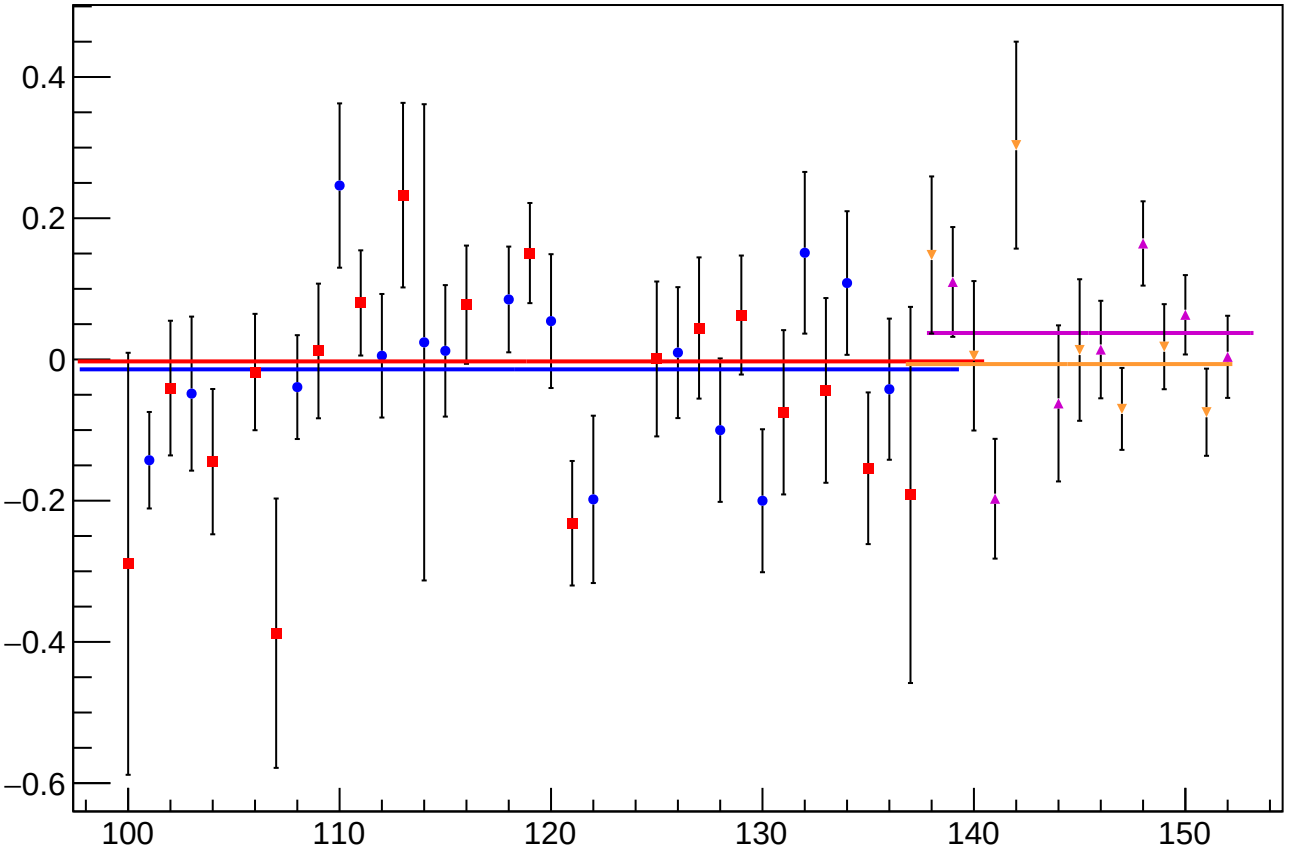
Left In: 0.000+/-0.000 χ^2/NDF:498755.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 3756151.8/22

All: 0.000+/-0.000 χ^2/NDF: 7244062.7/47

- sign 0.000+/-0.000 χ^2/NDF: 2712591.0/24

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.007+/-0.029 χ^2/NDF:9.0/6

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

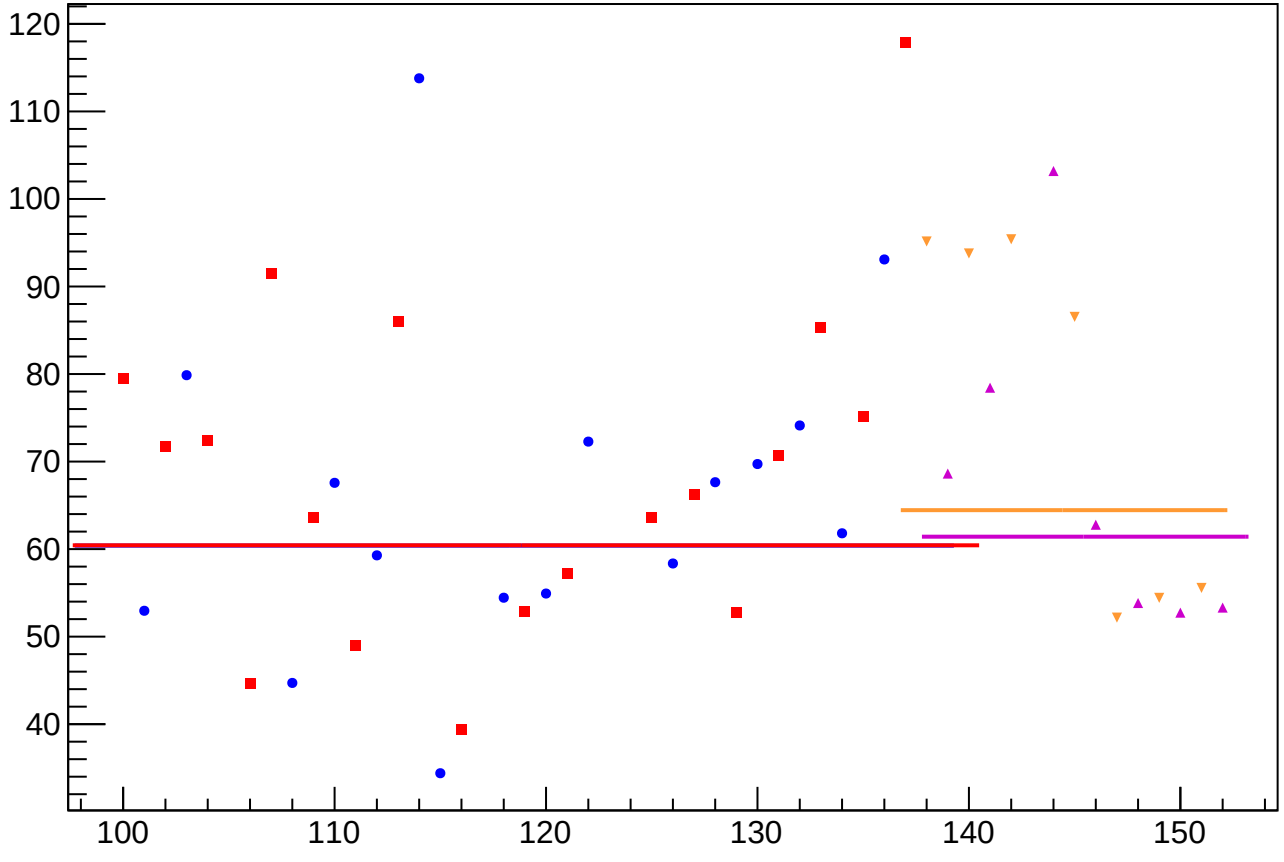
Left In: 0.037+/-0.026 χ^2/NDF:14.5/6

+ sign -0.011+/-0.019 χ^2/NDF: 30.4/22

All: 0.003+/-0.013 χ^2/NDF: 75.1/47

- sign 0.016+/-0.018 χ^2/NDF: 43.6/24

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 64.449+/-0.021 χ^2/NDF:678376.1/6

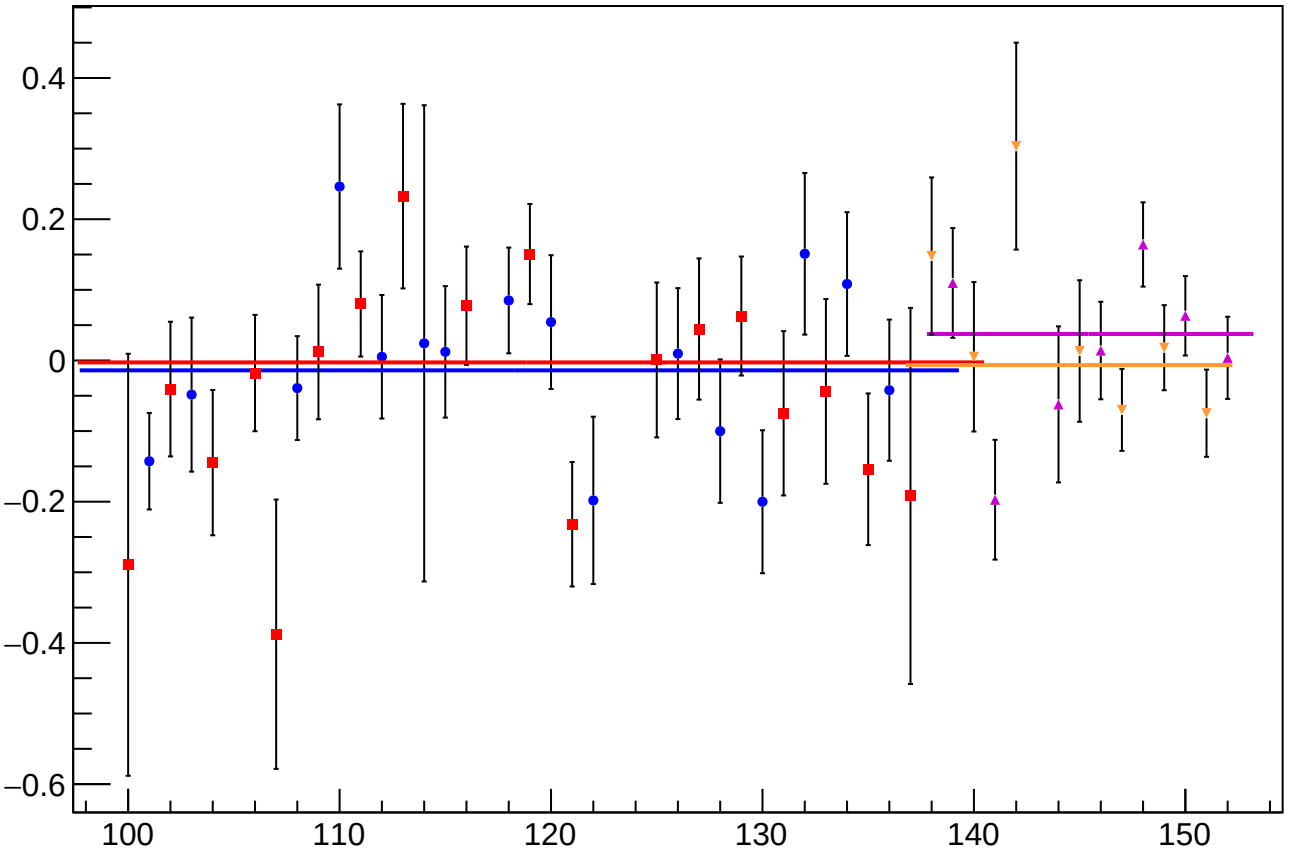
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.419+/-0.018 χ^2/NDF:502888.3/6

+ sign 62.003+/-0.013 χ^2/NDF: 1404340.4/22

All: 61.412+/-0.009 χ^2/NDF: 2623728.6/47

- sign 60.884+/-0.012 χ^2/NDF: 1215548.6/24



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

Left Out: -0.007+/-0.029 χ^2/NDF:9.0/6

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

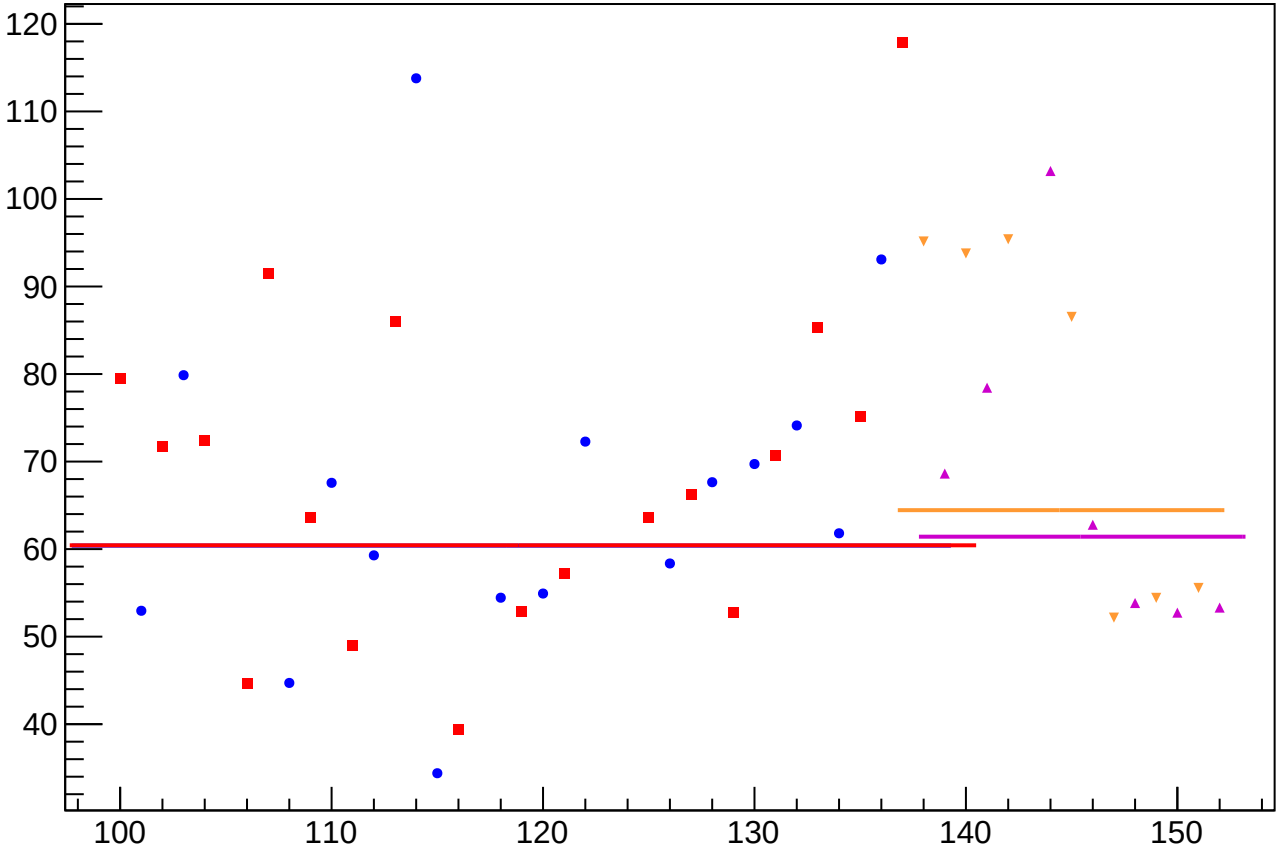
Left In: 0.037+/-0.026 χ^2/NDF:14.5/6

+ sign -0.011+/-0.019 χ^2/NDF: 30.4/22

All: 0.003+/-0.013 χ^2/NDF: 75.1/47

- sign 0.016+/-0.018 χ^2/NDF: 43.6/24

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 64.449+/-0.021 χ^2/NDF:678376.1/6

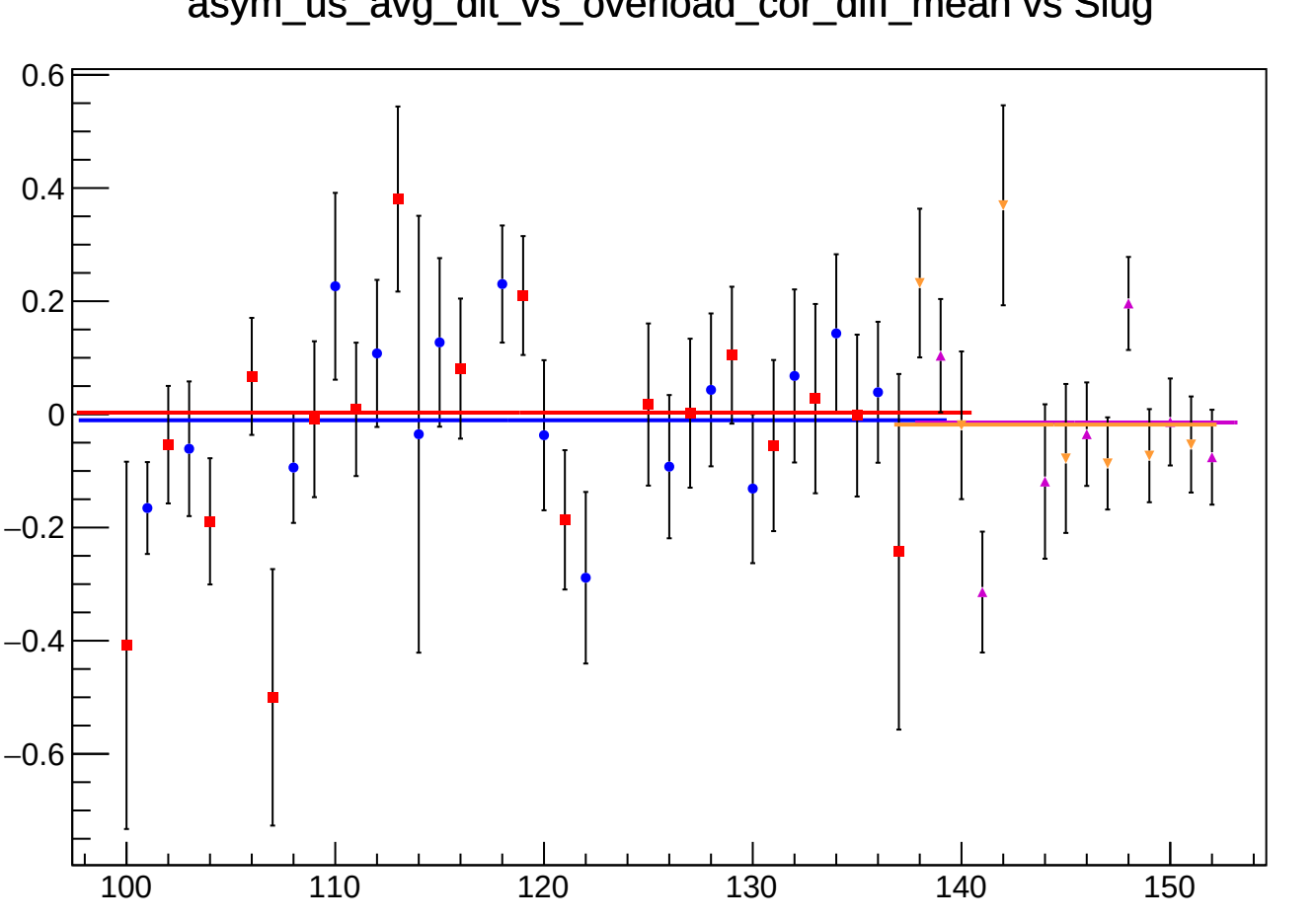
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.419+/-0.018 χ^2/NDF:502888.3/6

+ sign 62.003+/-0.013 χ^2/NDF: 1404340.4/22

All: 61.412+/-0.009 χ^2/NDF: 2623728.6/47

- sign 60.884+/-0.012 χ^2/NDF: 1215548.6/24



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

Left Out: -0.018+/-0.039 χ^2/NDF:10.0/6

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

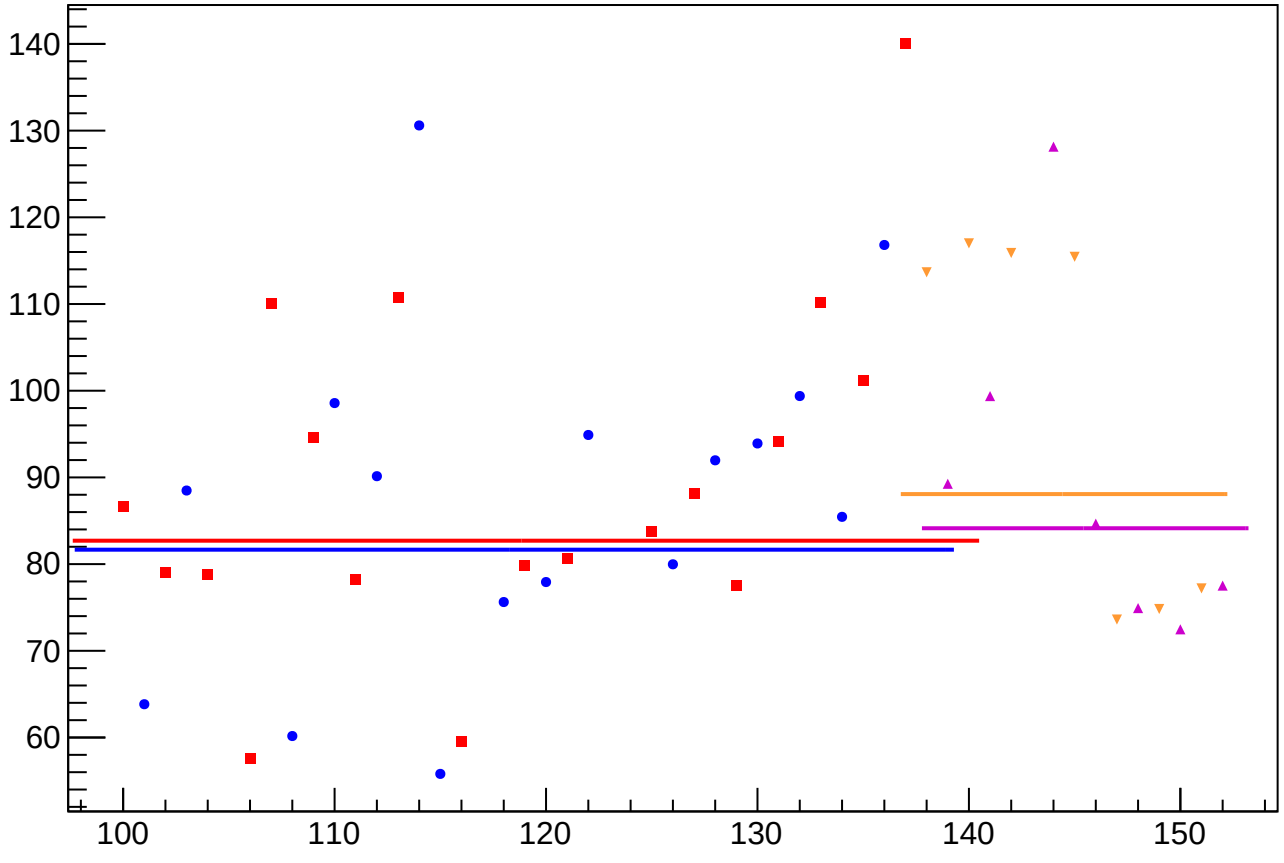
Left In: -0.014+/-0.035 χ^2/NDF:17.0/6

+ sign -0.013+/-0.025 χ^2/NDF: 30.1/22

All: -0.009+/-0.017 χ^2/NDF: 71.0/47

- sign -0.005+/-0.023 χ^2/NDF: 40.8/24

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: 88.077+/-0.028 χ^2/NDF:457759.7/6

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

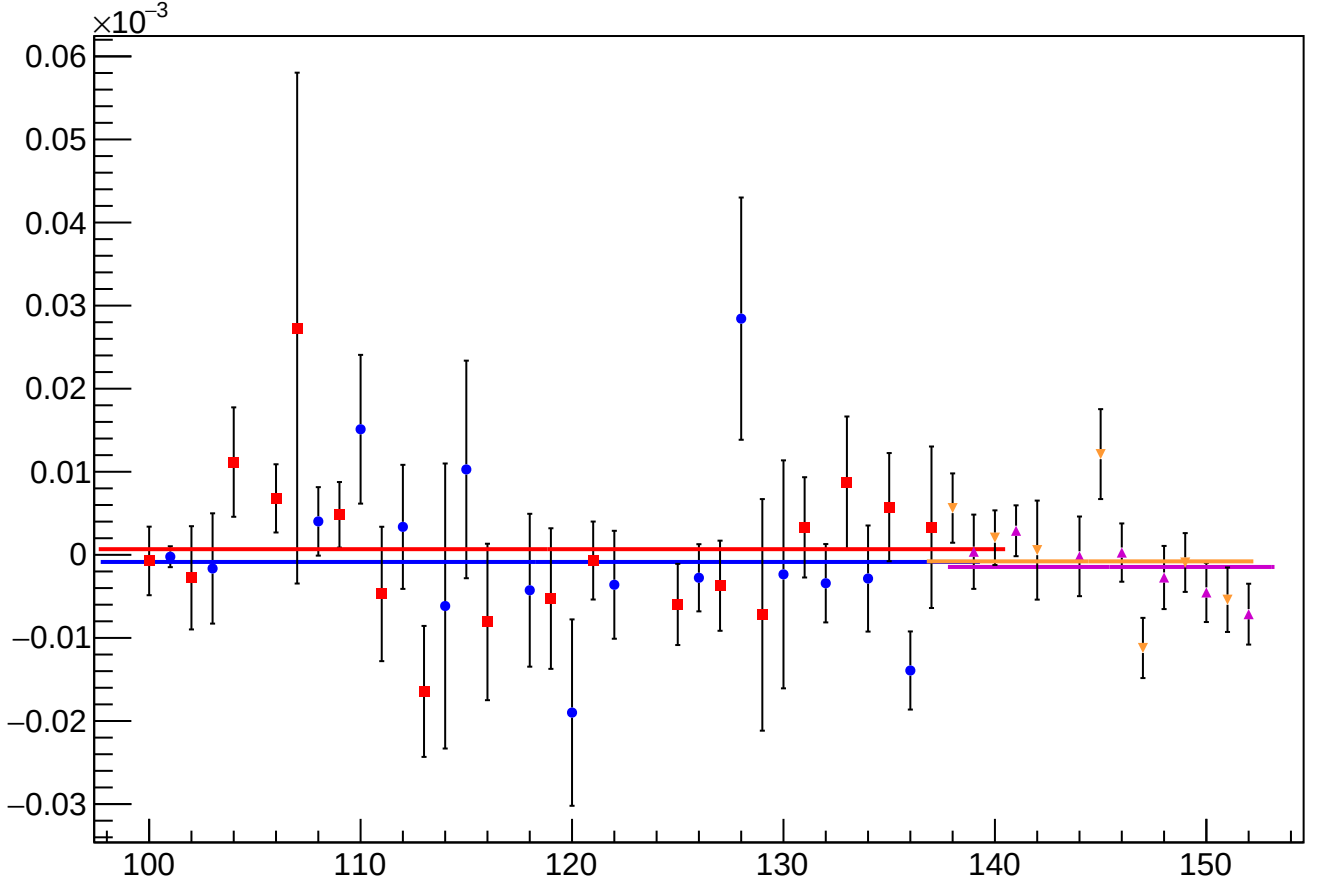
Left In: 84.136+/-0.025 χ^2/NDF:337628.8/6

+ sign 84.173+/-0.017 χ^2/NDF: 1051832.5/22

All: 83.742+/-0.012 χ^2/NDF: 1865543.7/47

- sign 83.350+/-0.017 χ^2/NDF: 812543.7/24

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:18.5/6

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

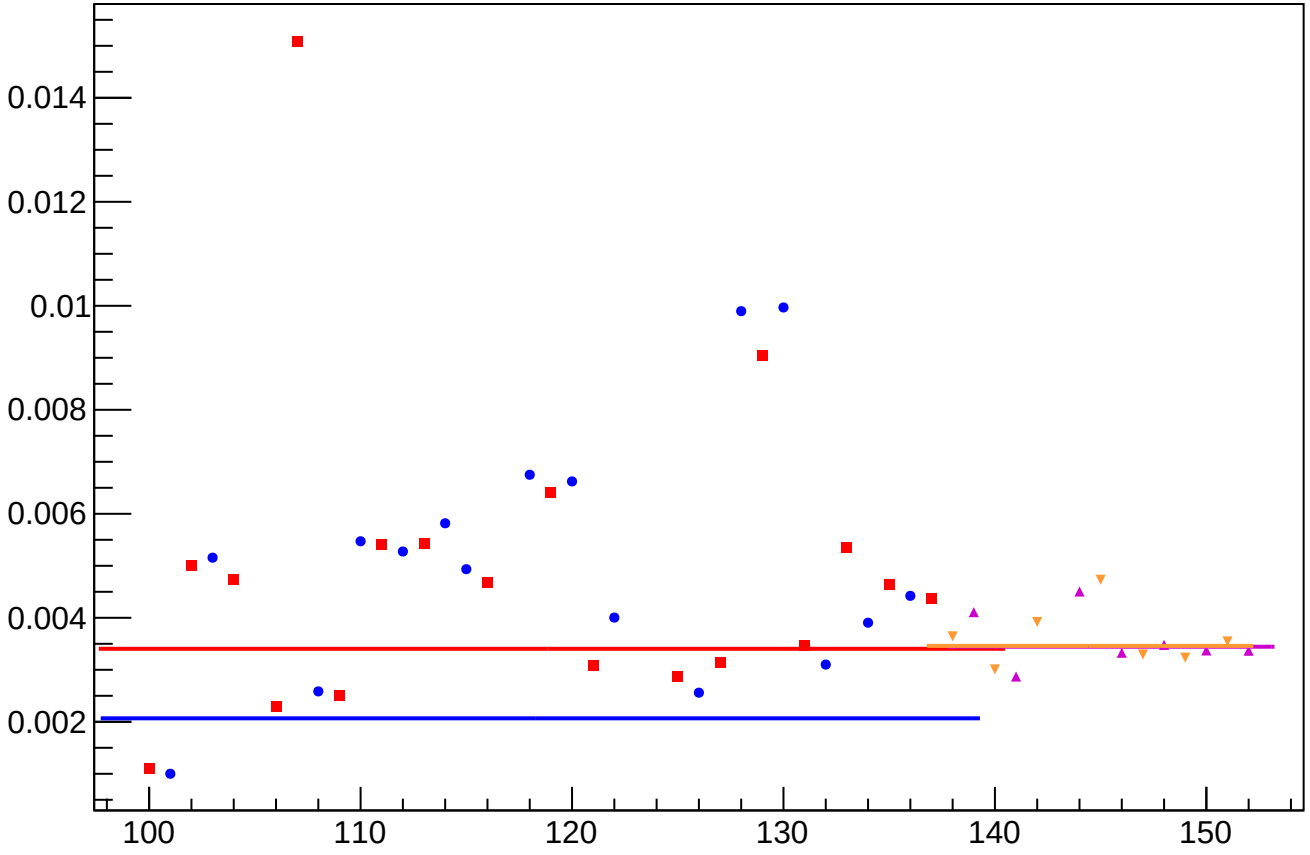
Left In: -0.000+/-0.000 χ^2/NDF:5.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 39.9/22

All: -0.000+/-0.000 χ^2/NDF: 65.2/47

- sign -0.000+/-0.000 χ^2/NDF: 25.2/24

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:177400.5/6

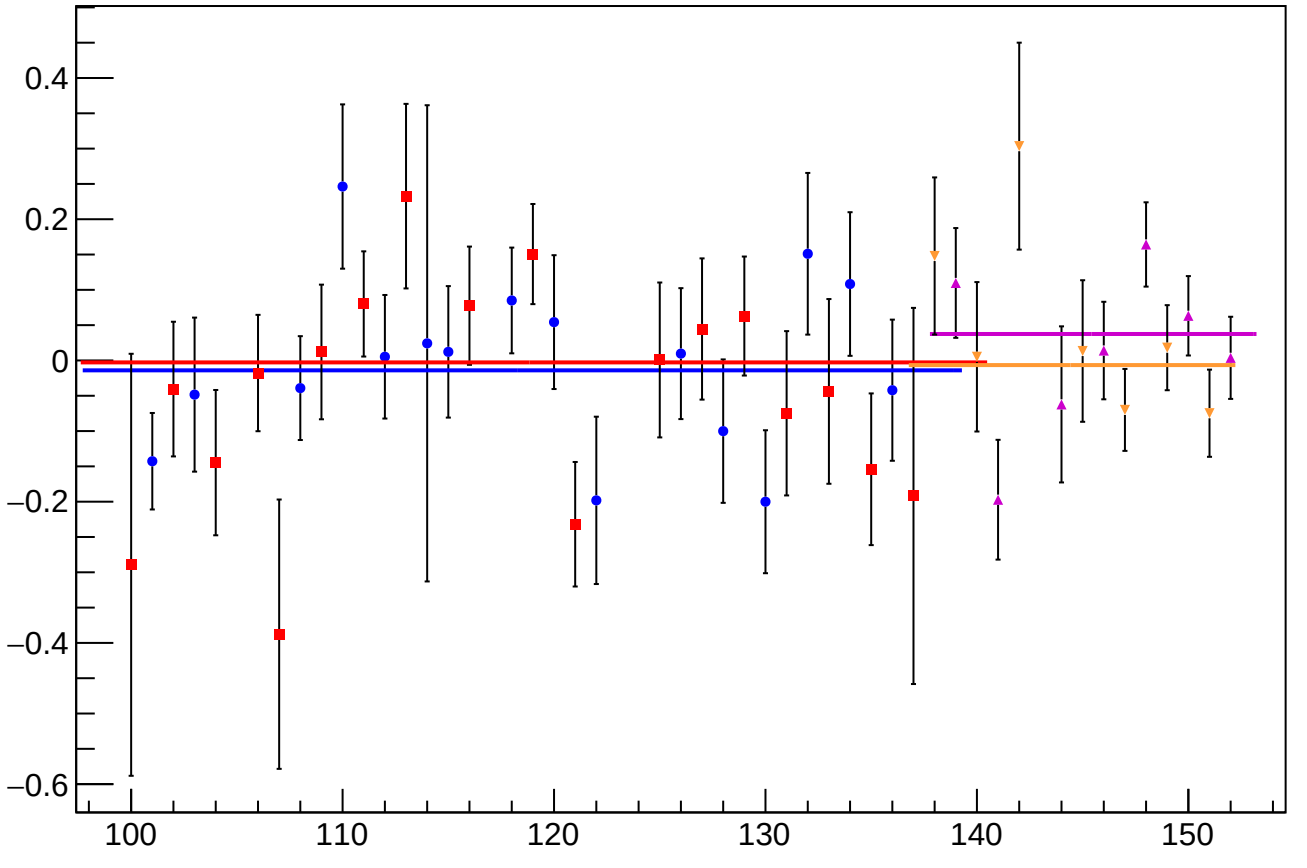
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:216593.0/6

+ sign 0.002+/-0.000 χ^2/NDF: 7160485.9/22

All: 0.003+/-0.000 χ^2/NDF: 10883010.4/47

- sign 0.003+/-0.000 χ^2/NDF: 2708673.4/24



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

Left Out: -0.007+/-0.029 χ^2/NDF:9.0/6

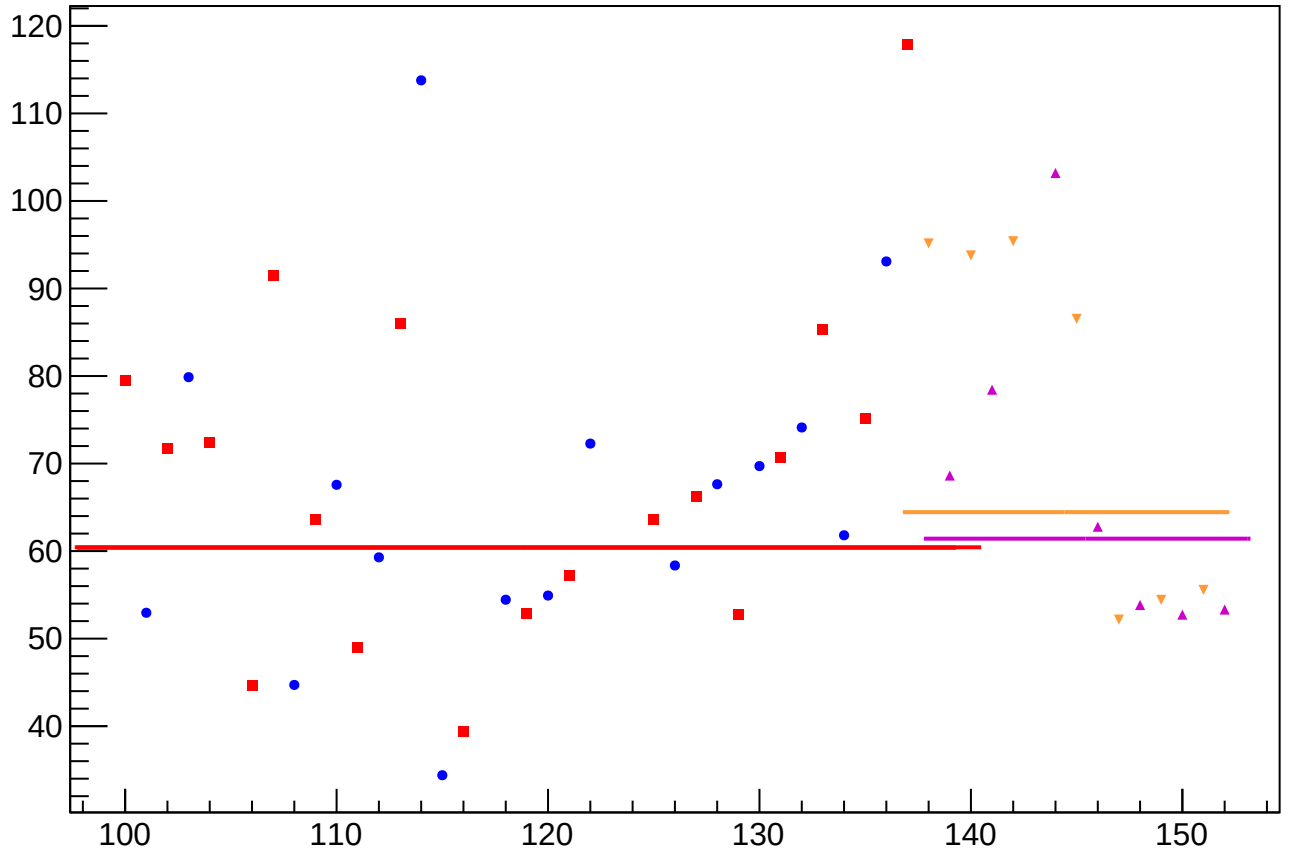
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.037+/-0.026 χ^2/NDF:14.5/6

+ sign -0.011+/-0.019 χ^2/NDF: 30.4/22

All: 0.003+/-0.013 χ^2/NDF: 75.1/47

- sign 0.016+/-0.018 χ^2/NDF: 43.6/24



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

Left Out: 64.449+/-0.021 χ^2/NDF:678369.2/6

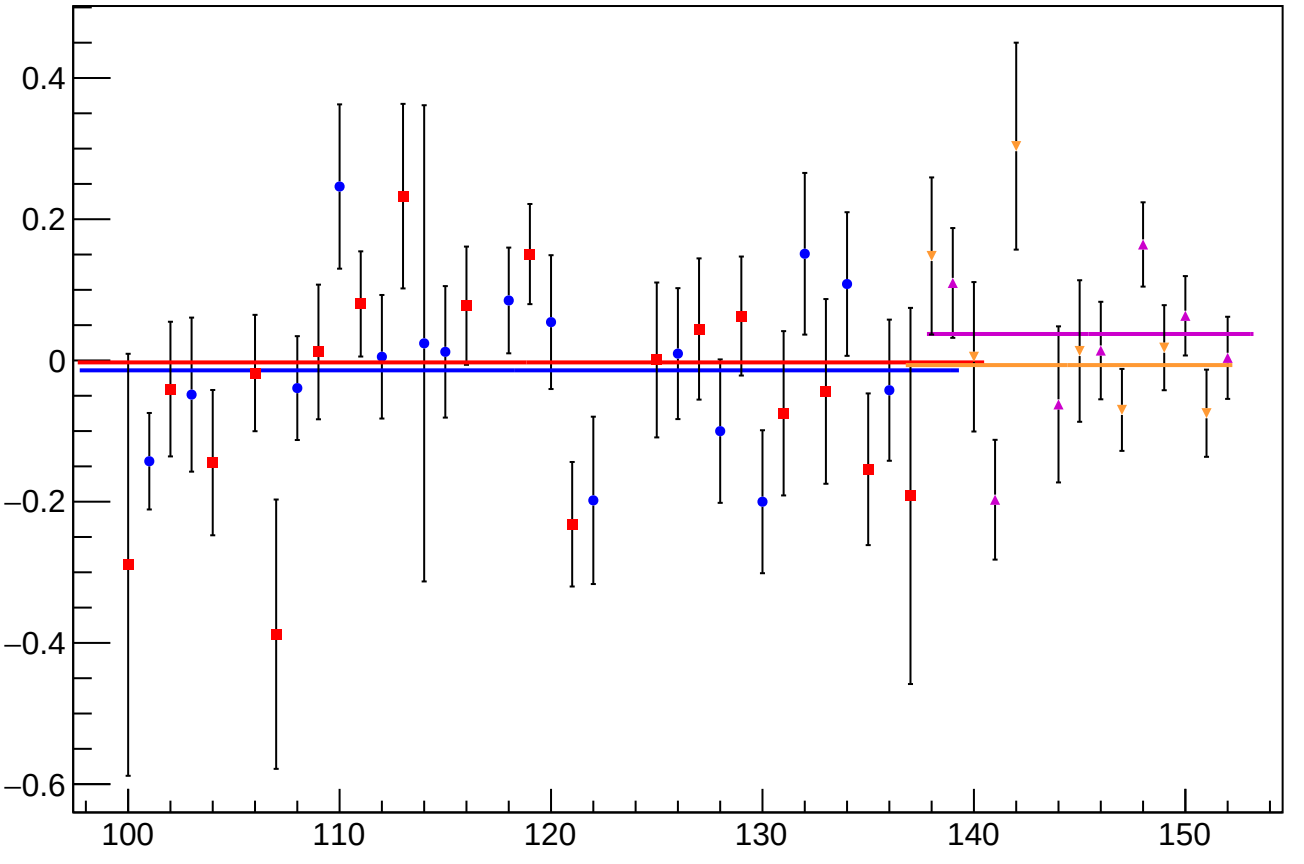
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.419+/-0.018 χ^2/NDF:502883.2/6

+ sign 62.002+/-0.013 χ^2/NDF: 1404364.5/22

All: 61.411+/-0.009 χ^2/NDF: 2623783.0/47

- sign 60.884+/-0.012 χ^2/NDF: 1215578.6/24



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

Left Out: -0.007+/-0.029 χ^2/NDF:9.0/6

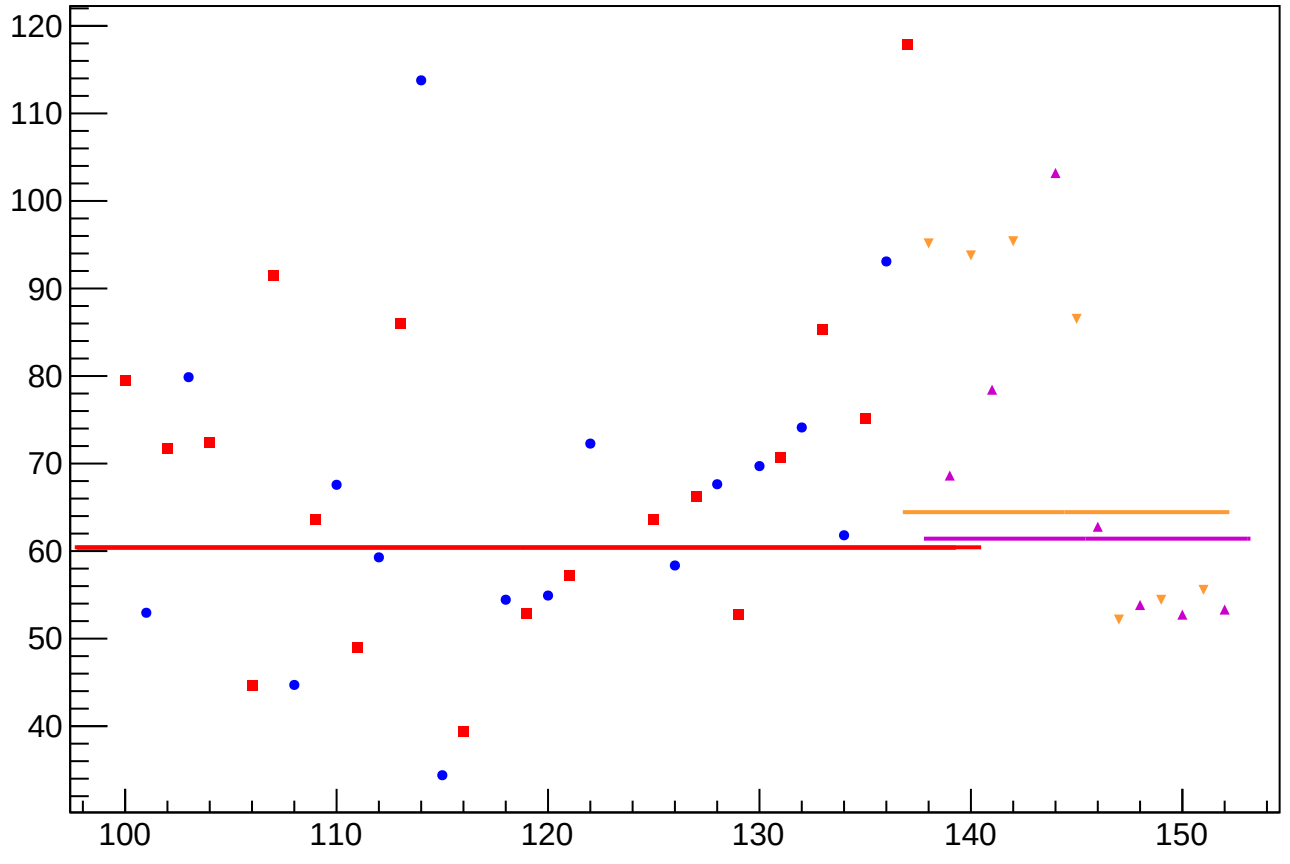
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.037+/-0.026 χ^2/NDF:14.5/6

+ sign -0.011+/-0.019 χ^2/NDF: 30.4/22

All: 0.003+/-0.013 χ^2/NDF: 75.1/47

- sign 0.016+/-0.018 χ^2/NDF: 43.6/24



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

Left Out: 64.449+/-0.021 χ^2/NDF:678369.2/6

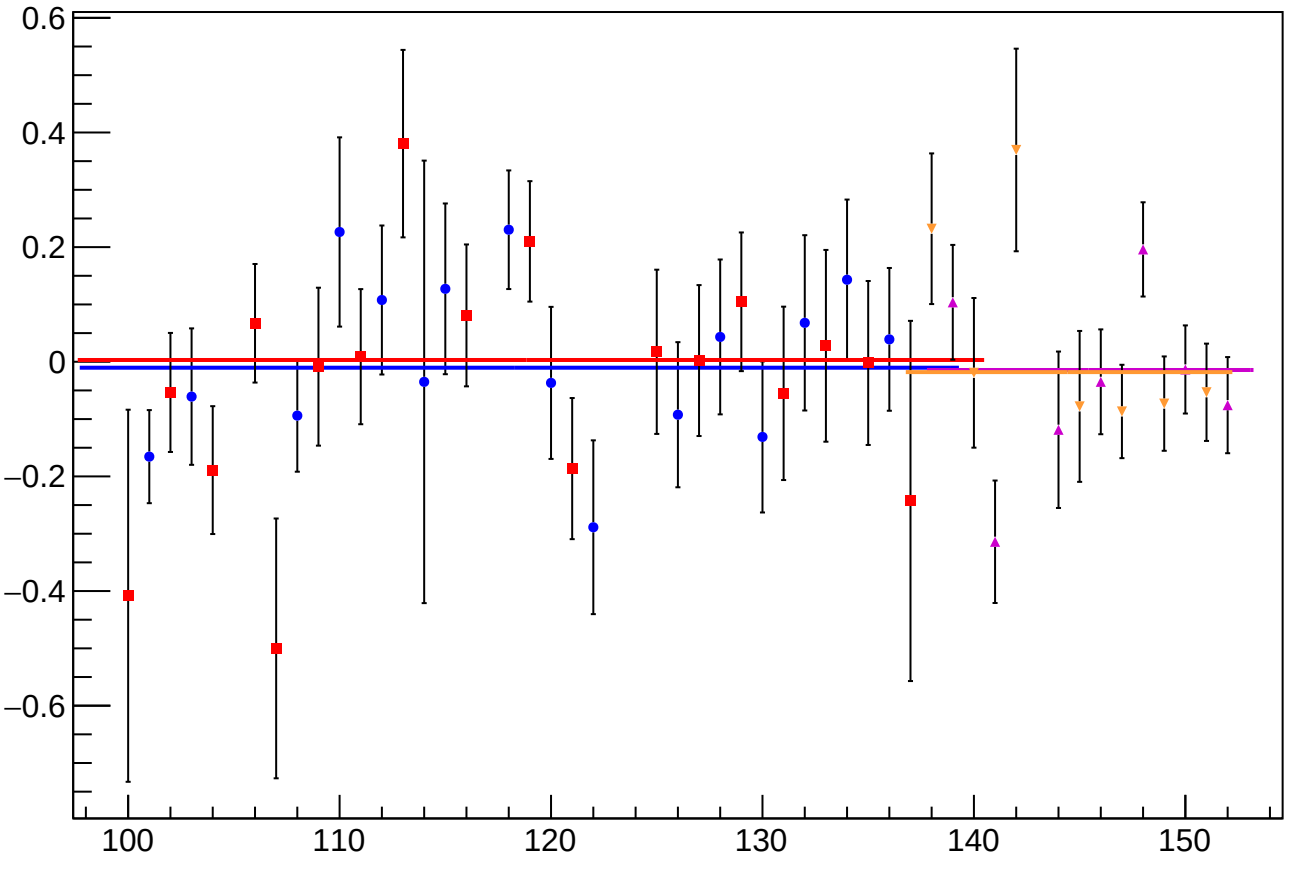
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.419+/-0.018 χ^2/NDF:502883.2/6

+ sign 62.002+/-0.013 χ^2/NDF: 1404364.5/22

All: 61.411+/-0.009 χ^2/NDF: 2623783.0/47

- sign 60.884+/-0.012 χ^2/NDF: 1215578.6/24



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

Left Out: -0.018+/-0.039 χ^2/NDF:10.0/6

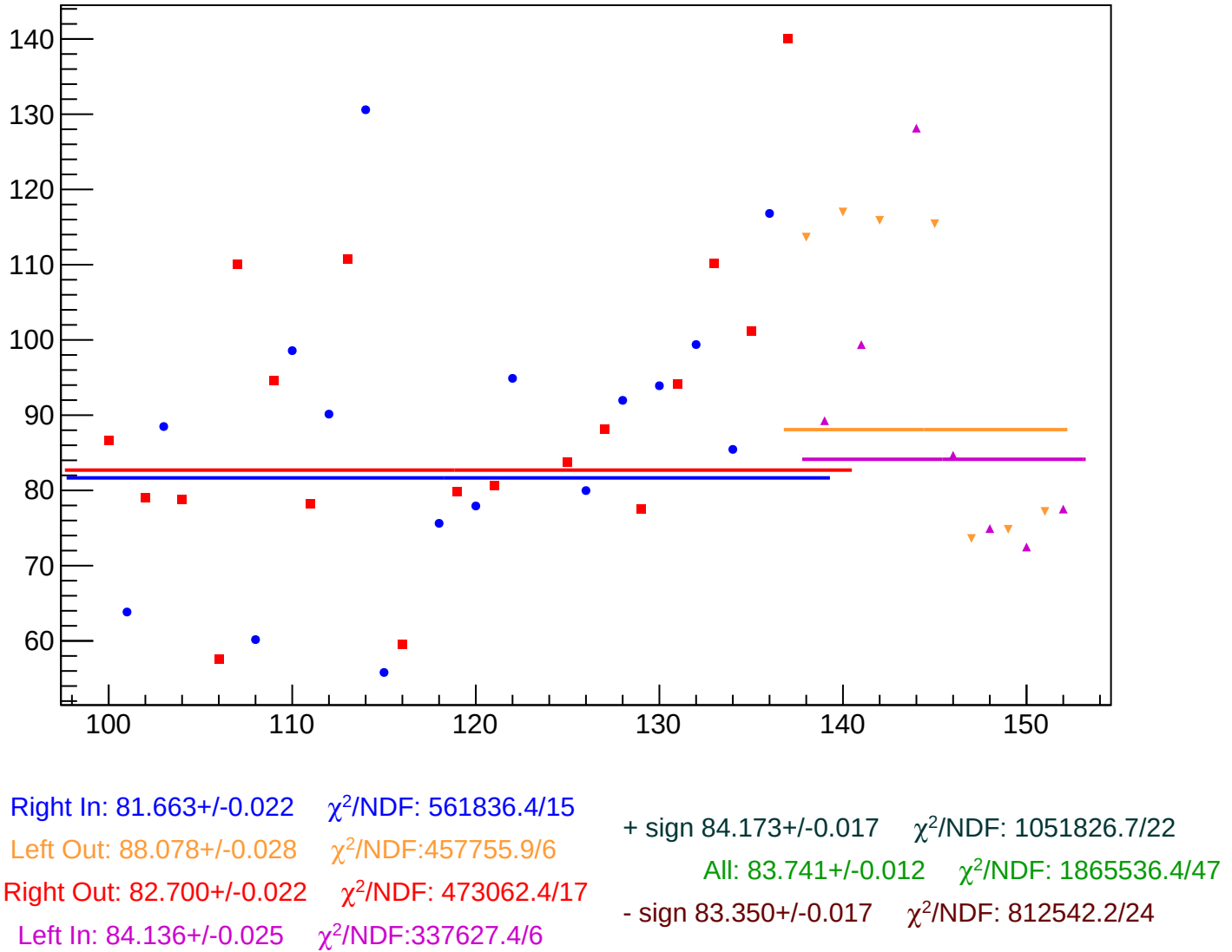
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

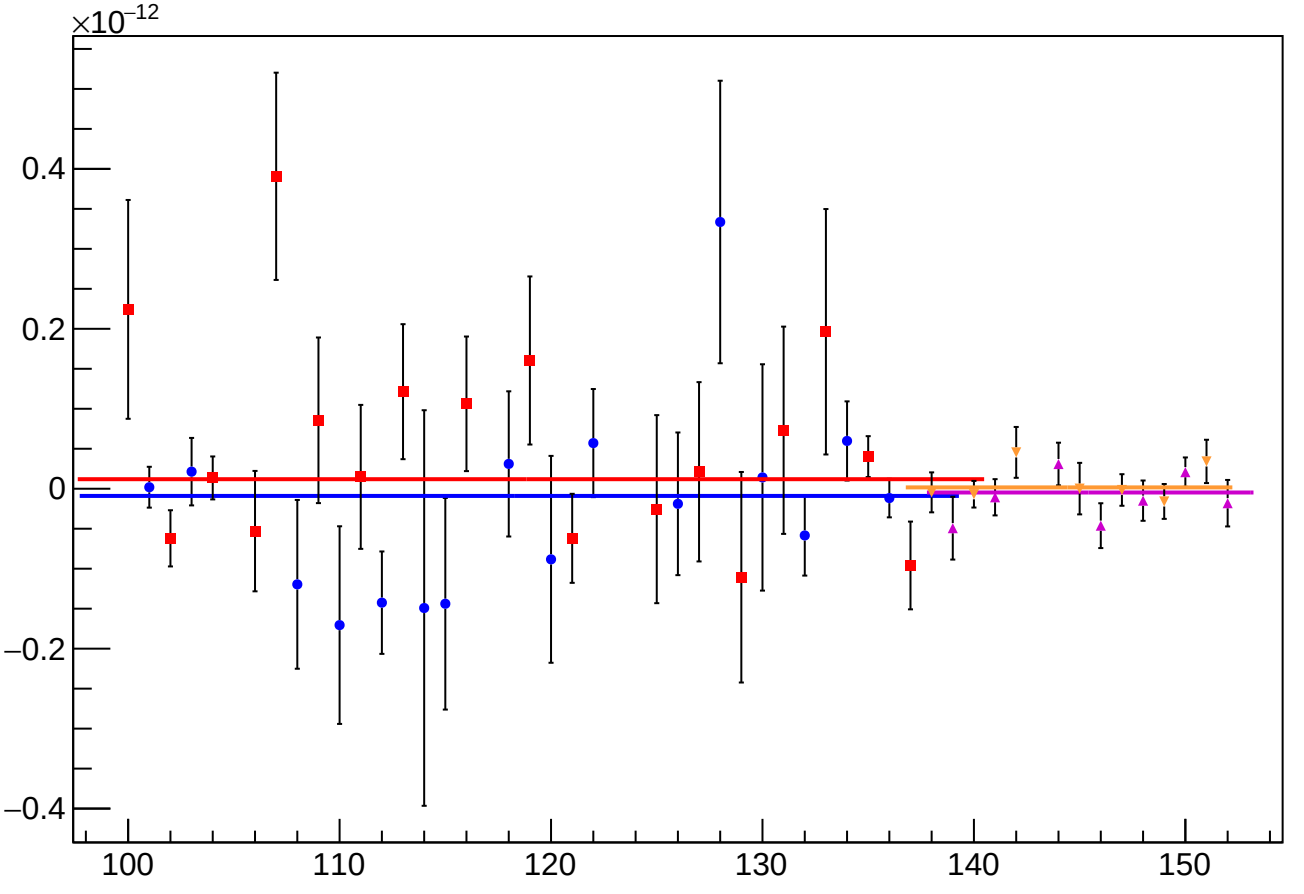
Left In: -0.014+/-0.035 χ^2/NDF:17.0/6

+ sign -0.013+/-0.025 χ^2/NDF: 30.2/22

All: -0.009+/-0.017 χ^2/NDF: 71.0/47

- sign -0.005+/-0.023 χ^2/NDF: 40.8/24


asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
Right In: 81.663+/-0.022 χ²/NDF: 561836.4/15
Left Out: 88.078+/-0.028 χ²/NDF:457755.9/6
Right Out: 82.700+/-0.022 χ²/NDF: 473062.4/17
Left In: 84.136+/-0.025 χ²/NDF:337627.4/6
+ sign 84.173+/-0.017 χ²/NDF: 1051826.7/22
All: 83.741+/-0.012 χ²/NDF: 1865536.4/47
- sign 83.350+/-0.017 χ²/NDF: 812542.2/24



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.3/6

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

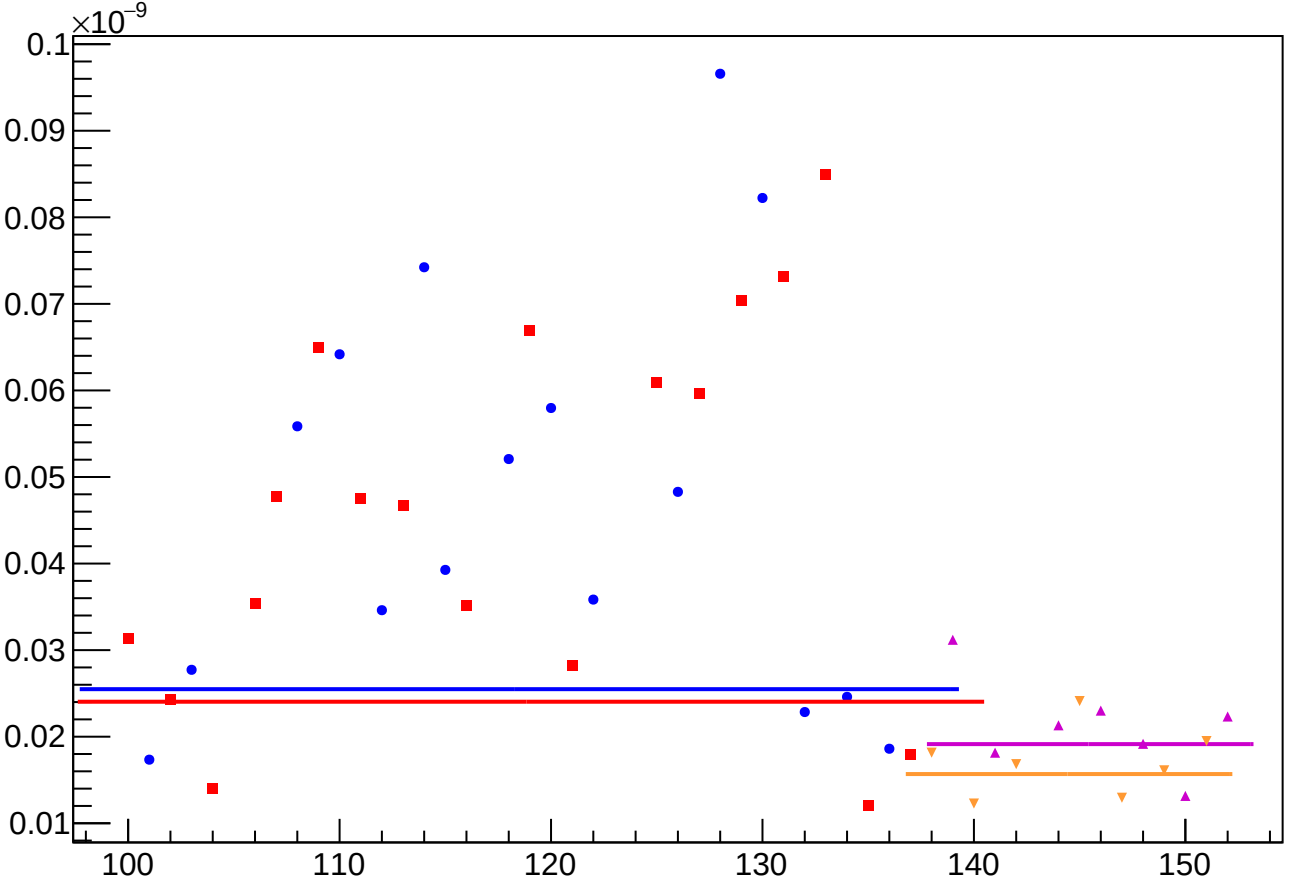
Left In: -0.000+/-0.000 χ^2/NDF:7.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.2/22

All: -0.000+/-0.000 χ^2/NDF: 62.0/47

- sign 0.000+/-0.000 χ^2/NDF: 39.7/24

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:321724.2/6

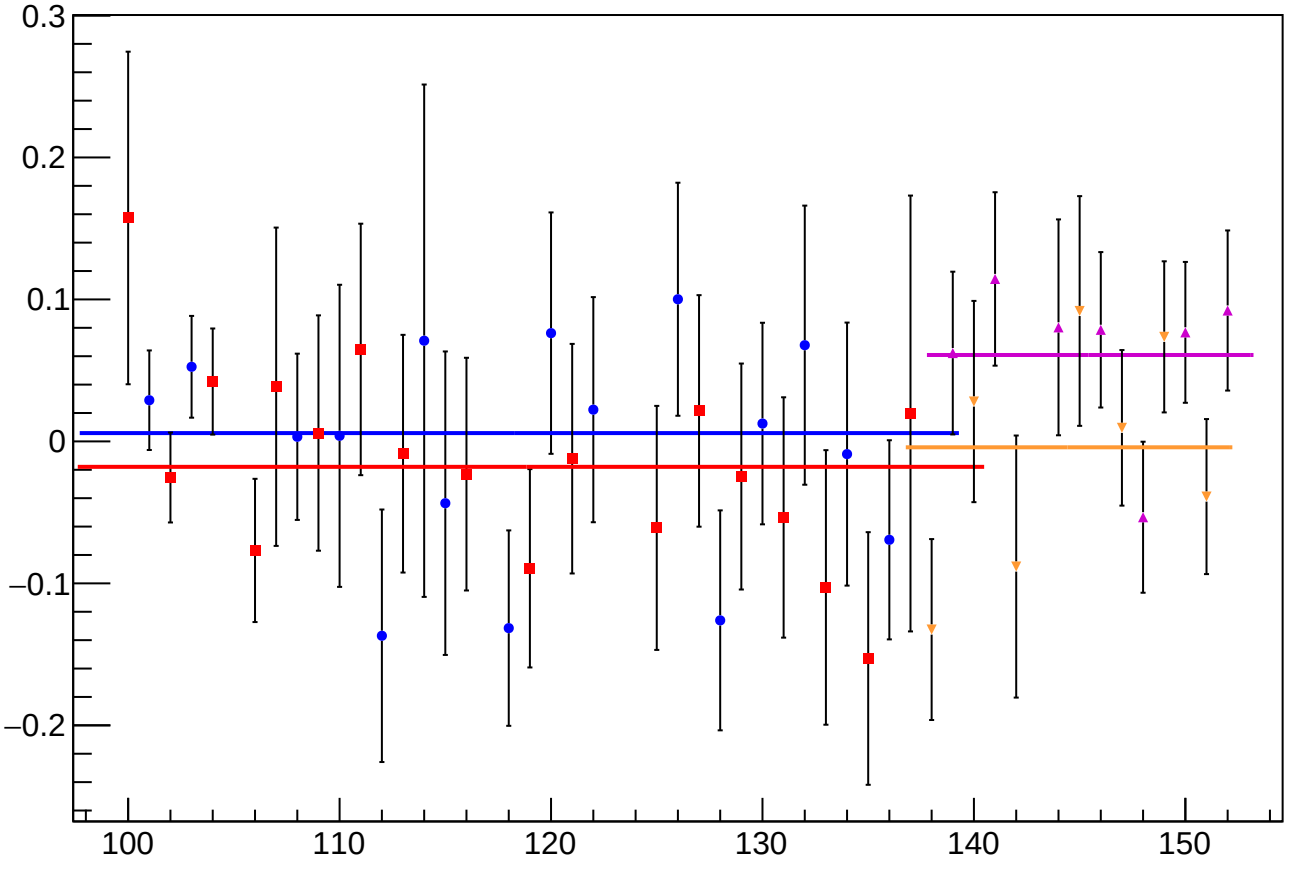
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:479475.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 3087143.1/22

All: 0.000+/-0.000 χ^2/NDF: 6910021.8/47

- sign 0.000+/-0.000 χ^2/NDF: 3741367.1/24



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

Left Out: -0.004+/-0.024 χ^2/NDF:9.1/6

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

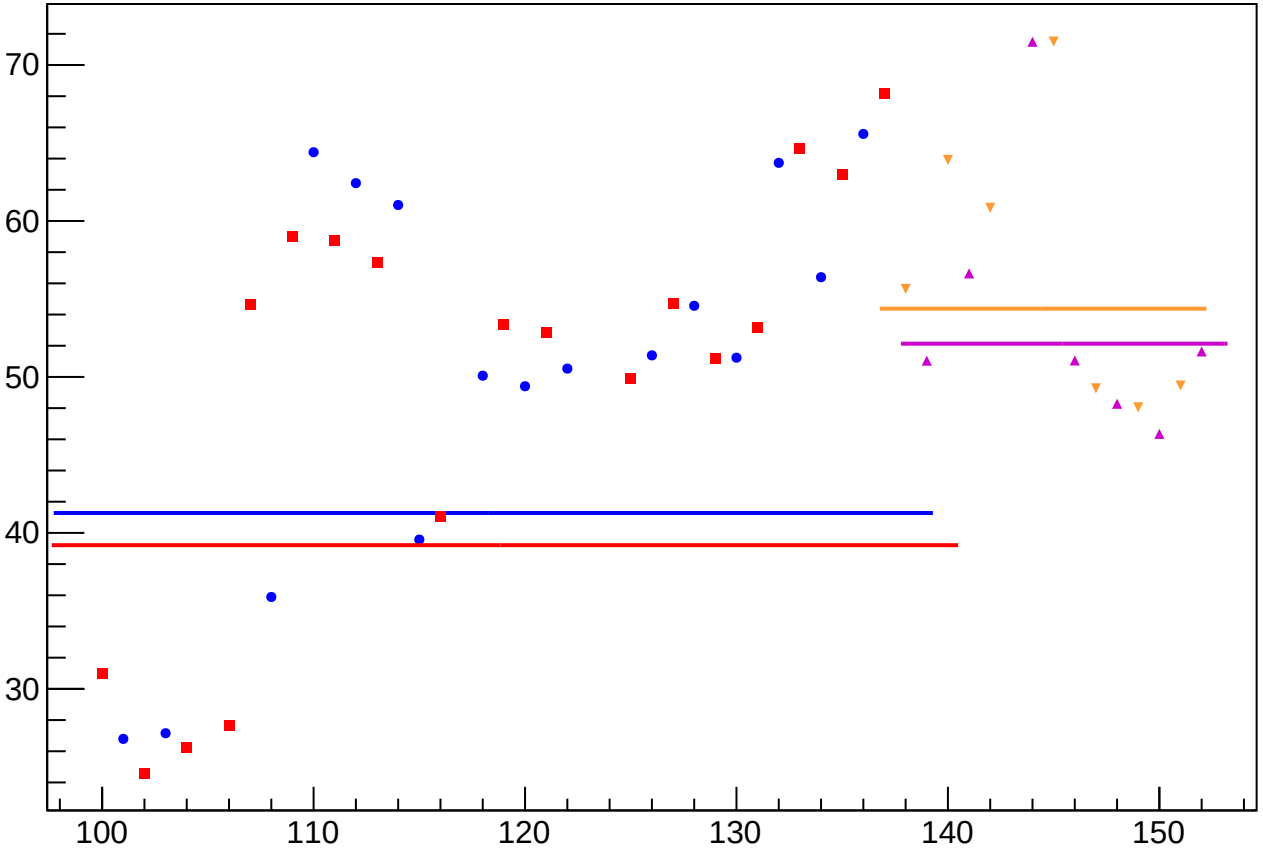
Left In: 0.061+/-0.022 χ^2/NDF:6.0/6

+ sign 0.003+/-0.014 χ^2/NDF: 24.8/22

All: 0.006+/-0.009 χ^2/NDF: 51.9/47

- sign 0.009+/-0.013 χ^2/NDF: 27.0/24

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: 54.376+/-0.017 χ^2/NDF:198406.1/6

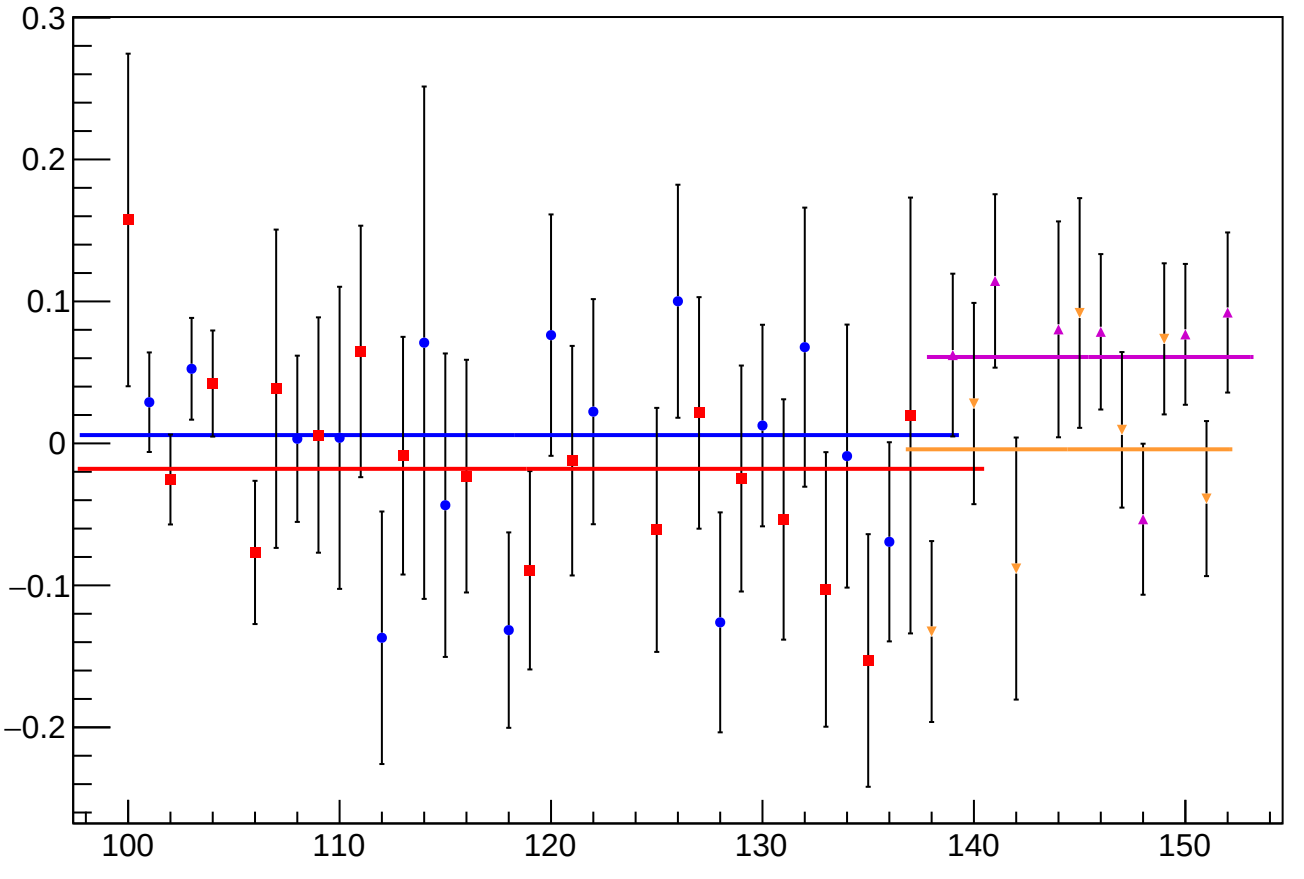
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 52.133+/-0.015 χ^2/NDF:179835.4/6

+ sign 45.491+/-0.010 χ^2/NDF: 2107973.6/22

All: 44.537+/-0.007 χ^2/NDF: 4595171.5/47

- sign 43.705+/-0.009 χ^2/NDF: 2468791.3/24



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

Left Out: -0.004+/-0.024 χ^2/NDF:9.1/6

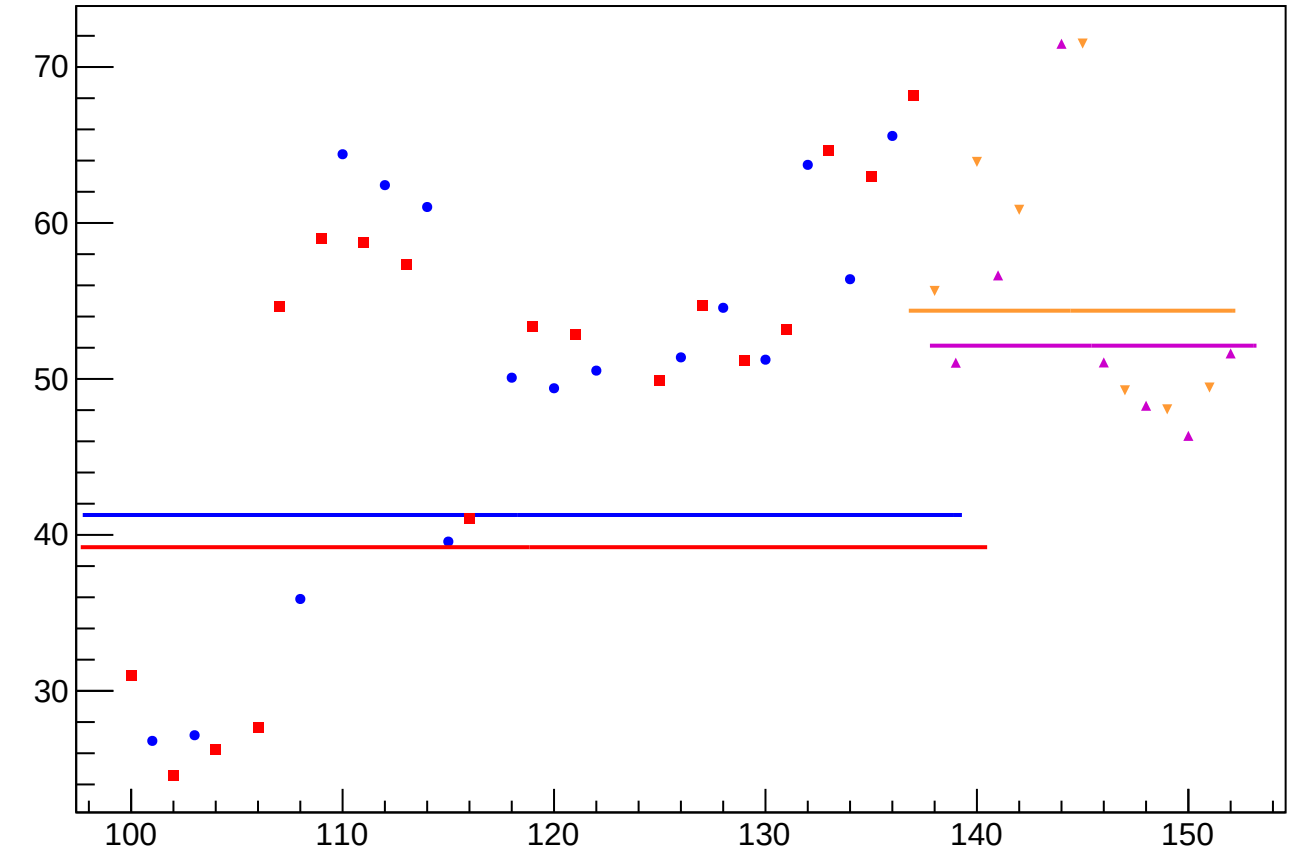
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.061+/-0.022 χ^2/NDF:6.0/6

+ sign 0.003+/-0.014 χ^2/NDF: 24.8/22

All: 0.006+/-0.009 χ^2/NDF: 51.9/47

- sign 0.009+/-0.013 χ^2/NDF: 27.0/24



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

Left Out: 54.376+/-0.017 χ^2/NDF:198406.1/6

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

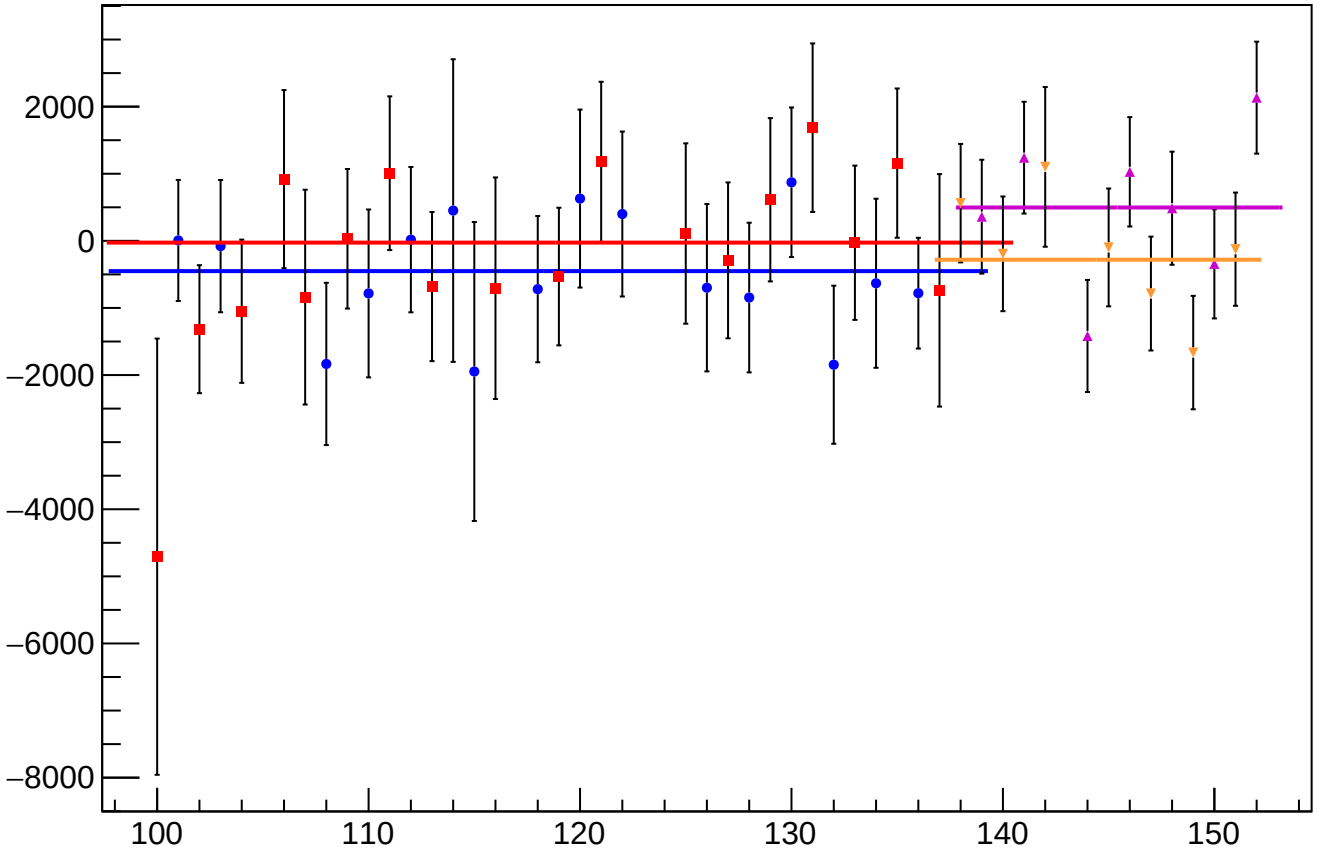
Left In: 52.133+/-0.015 χ^2/NDF:179835.4/6

+ sign 45.491+/-0.010 χ^2/NDF: 2107973.6/22

All: 44.537+/-0.007 χ^2/NDF: 4595171.5/47

- sign 43.705+/-0.009 χ^2/NDF: 2468791.3/24

reg_asym_us_dd_mean vs Slug



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

Left Out: -281.357+/-336.134 χ^2/NDF:5.4/6

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

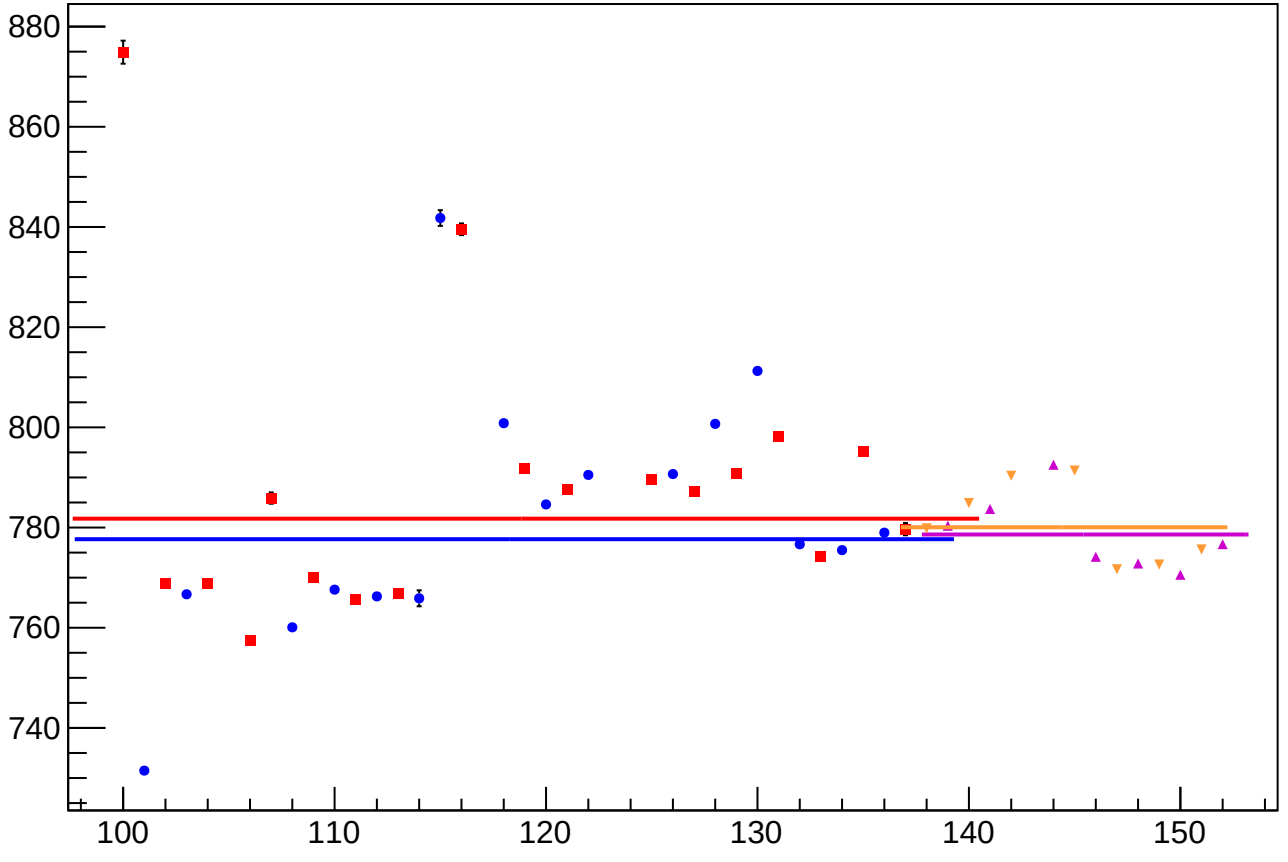
Left In: 497.306+/-314.246 χ^2/NDF:11.4/6

+ sign -378.884+/-219.118 χ^2/NDF: 12.5/22

All: -73.710+/-152.491 χ^2/NDF: 40.8/47

- sign 212.908+/-212.352 χ^2/NDF: 24.6/24

reg_asym_us_dd_rms vs Slug



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

Left Out: 780.061+/-0.238 χ^2/NDF:952.3/6

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

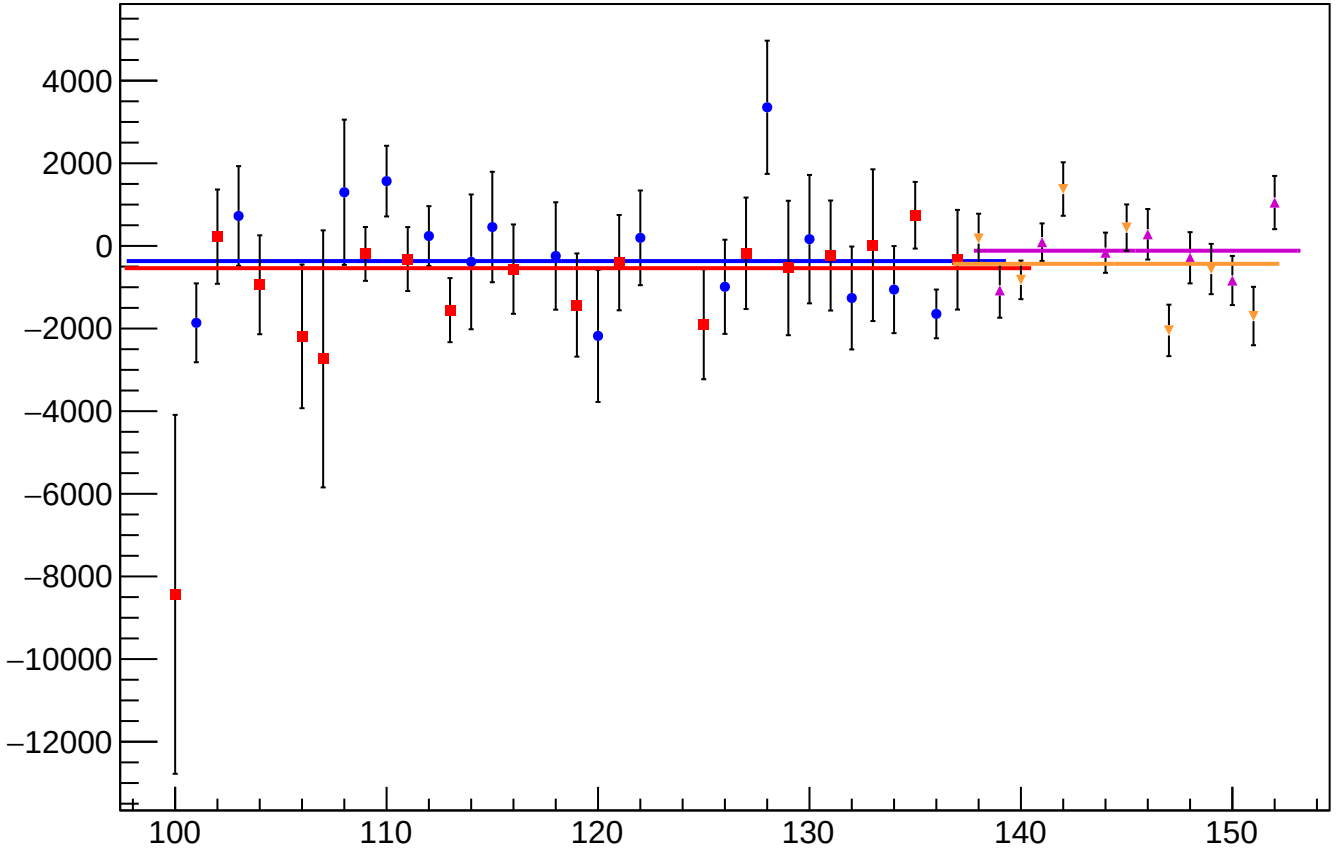
Left In: 778.614+/-0.222 χ^2/NDF:998.9/6

\+ sign 778.689+/-0.155 χ^2/NDF: 13065.7/22

All: 779.536+/-0.108 χ^2/NDF: 21859.0/47

\- sign 780.332+/-0.150 χ^2/NDF: 8735.3/24

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: -433.578+/-222.554 χ^2/NDF:21.9/6

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

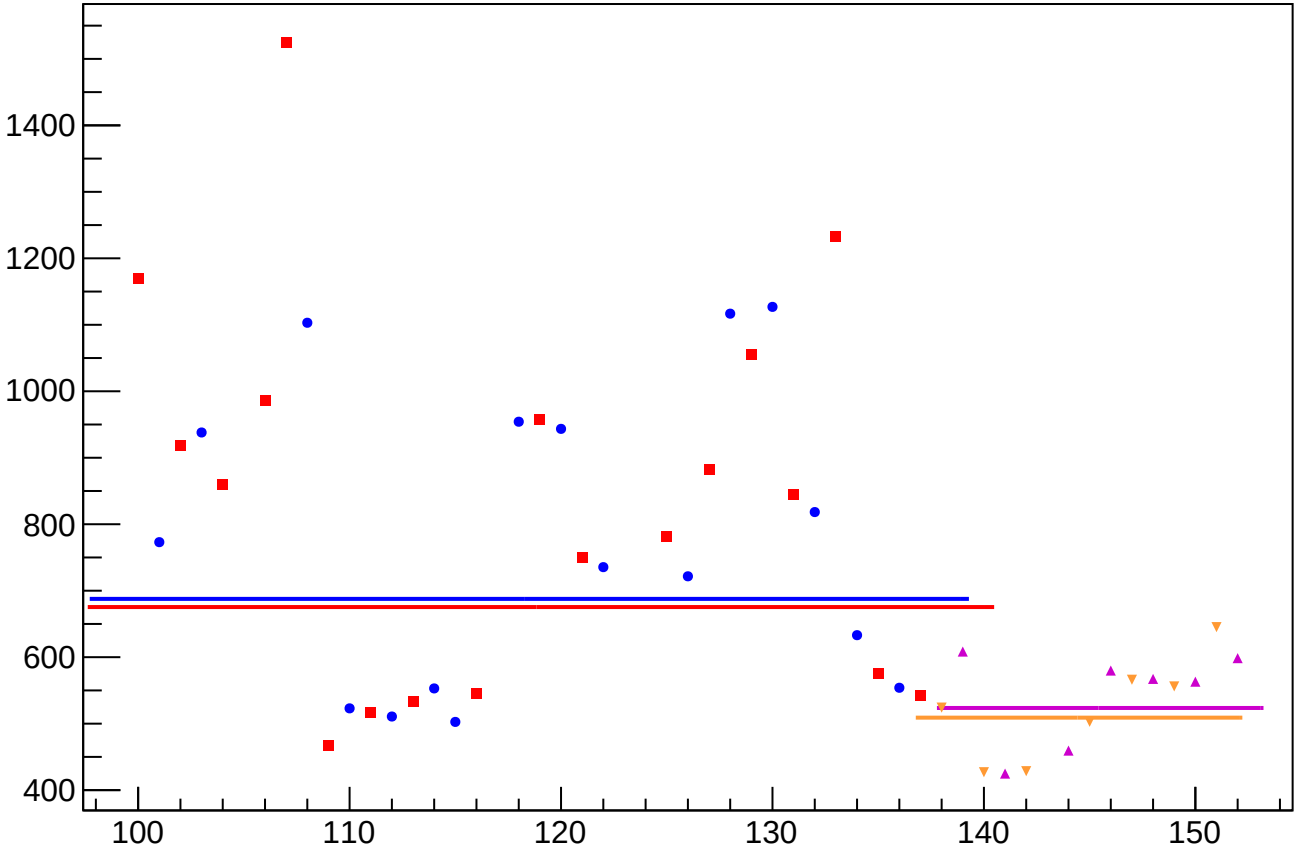
Left In: -116.183+/-213.797 χ^2/NDF:7.6/6

+ sign -406.251+/-170.874 χ^2/NDF: 45.3/22

All: -343.540+/-119.019 χ^2/NDF: 66.3/47

- sign -284.446+/-165.874 χ^2/NDF: 20.8/24

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 509.049+/-0.157 χ^2/NDF:197134.2/6

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

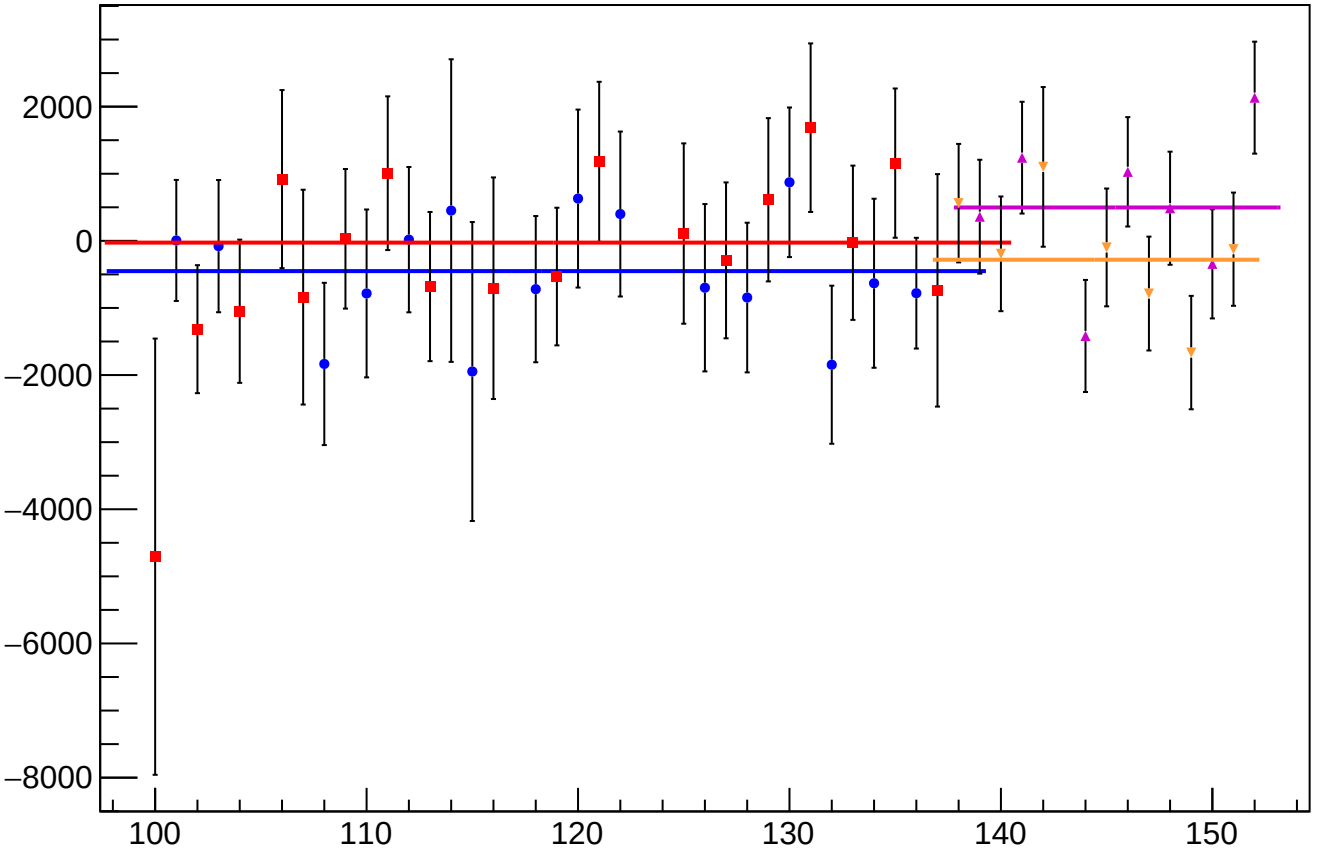
Left In: 523.607+/-0.151 χ^2/NDF:225089.4/6

+ sign 582.392+/-0.121 χ^2/NDF: 1758174.6/22

All: 583.237+/-0.084 χ^2/NDF: 3697725.9/47

- sign 584.034+/-0.117 χ^2/NDF: 1939456.3/24

cor_asym_us_dd_mean vs Slug



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

Left Out: -281.357+/-336.134 χ^2/NDF:5.4/6

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

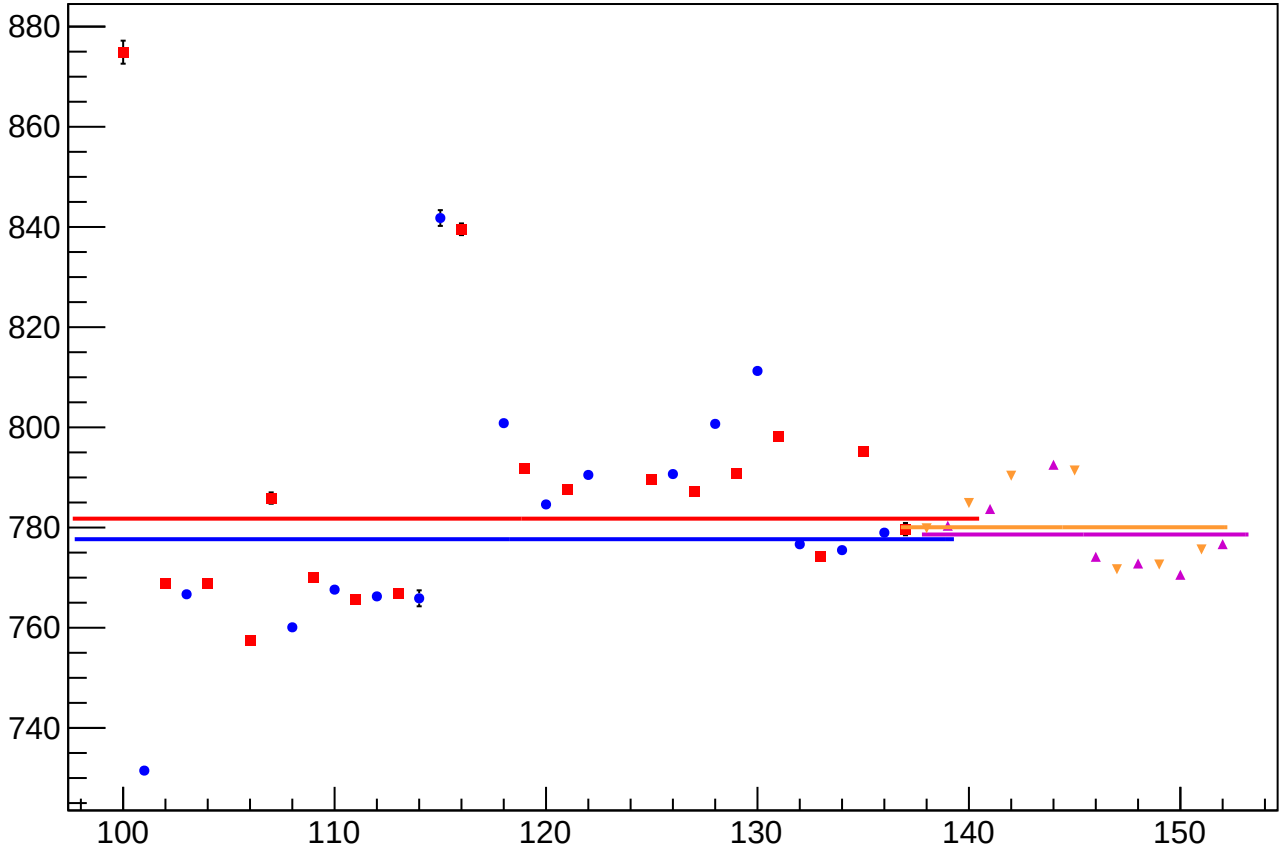
Left In: 497.306+/-314.246 χ^2/NDF:11.4/6

+ sign -378.884+/-219.118 χ^2/NDF: 12.5/22

All: -73.710+/-152.491 χ^2/NDF: 40.8/47

- sign 212.908+/-212.352 χ^2/NDF: 24.6/24

cor_asym_us_dd_rms vs Slug



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

Left Out: 780.061+/-0.238 χ^2/NDF:952.3/6

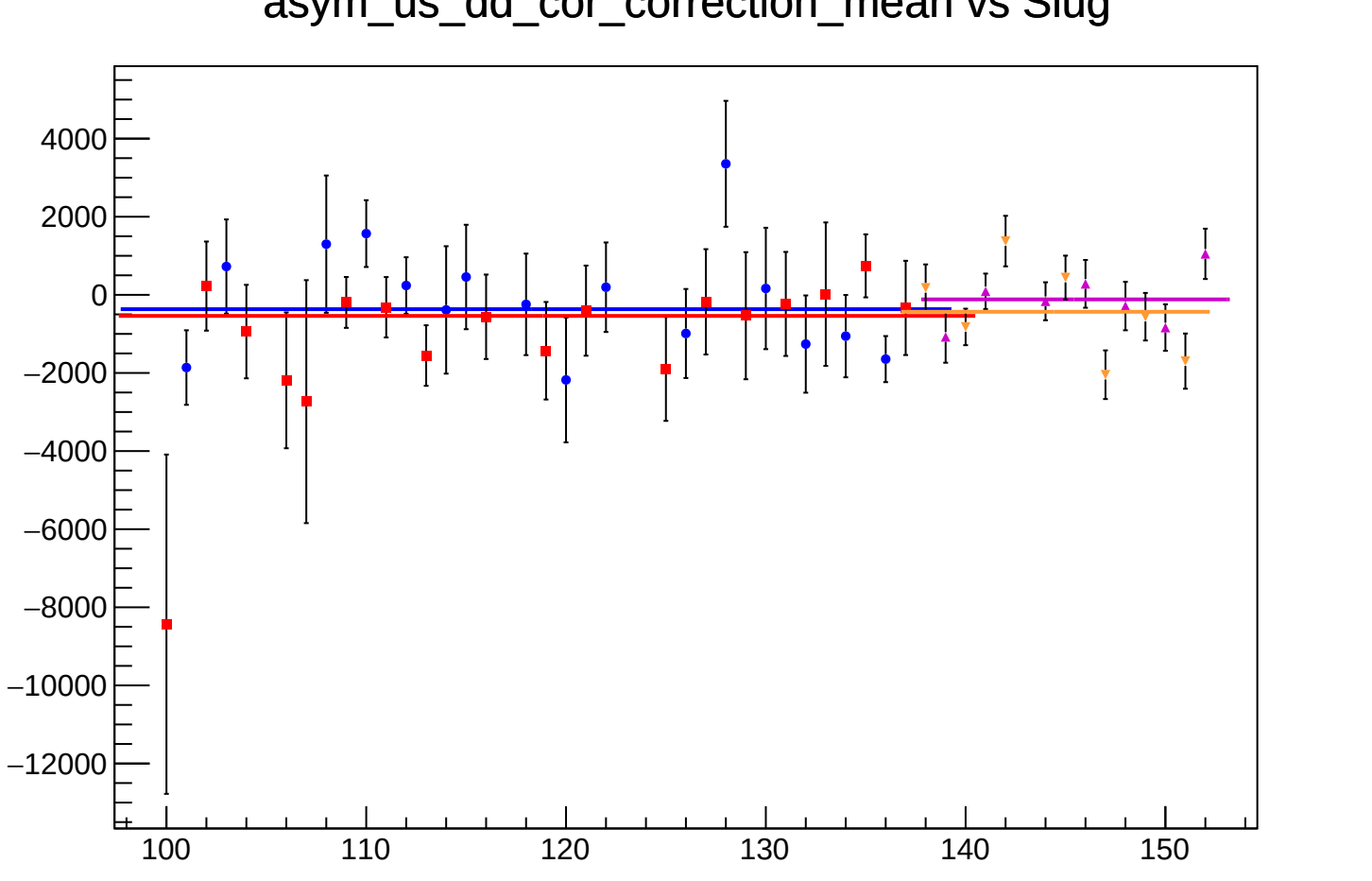
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.614+/-0.222 χ^2/NDF:998.9/6

\+ sign 778.689+/-0.155 χ^2/NDF: 13065.7/22

All: 779.536+/-0.108 χ^2/NDF: 21859.0/47

\- sign 780.332+/-0.150 χ^2/NDF: 8735.3/24



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

Left Out: -433.578+/-222.554 χ^2/NDF:21.9/6

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

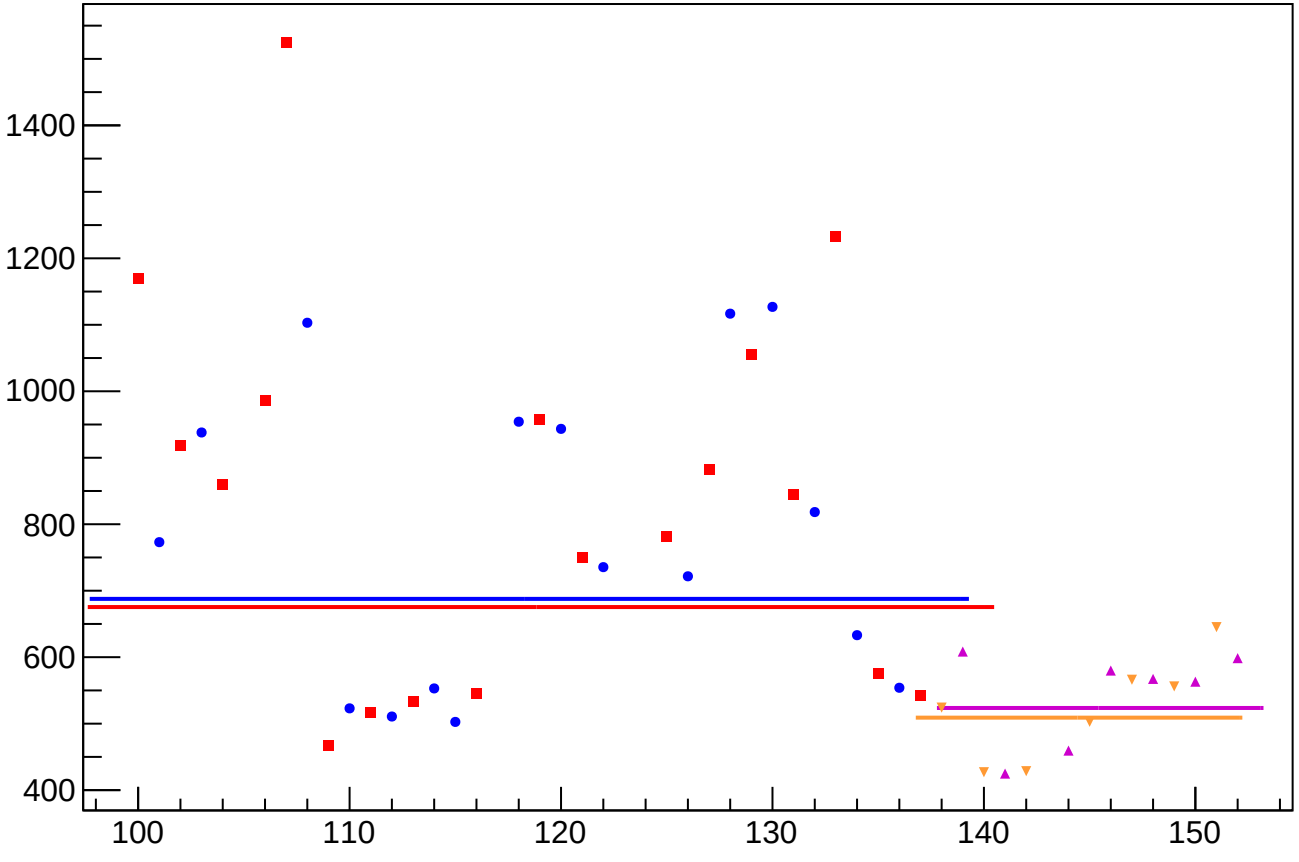
Left In: -116.183+/-213.797 χ^2/NDF:7.6/6

\+ sign -406.251+/-170.874 χ^2/NDF: 45.3/22

All: -343.540+/-119.019 χ^2/NDF: 66.3/47

\- sign -284.446+/-165.874 χ^2/NDF: 20.8/24

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 509.049+/-0.157 χ^2/NDF:197134.2/6

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

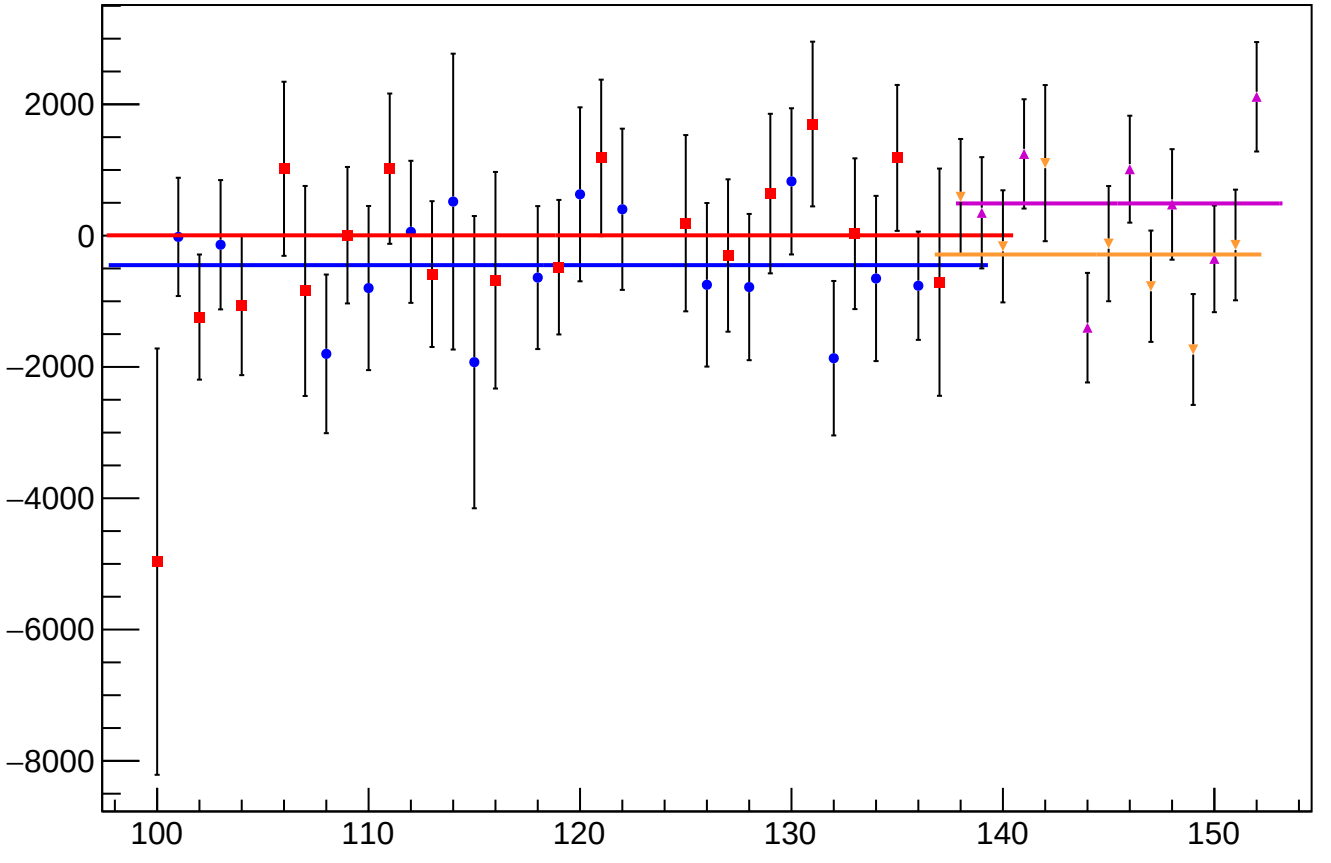
Left In: 523.607+/-0.151 χ^2/NDF:225089.4/6

\+ sign 582.392+/-0.121 χ^2/NDF: 1758174.6/22

All: 583.237+/-0.084 χ^2/NDF: 3697725.9/47

\- sign 584.034+/-0.117 χ^2/NDF: 1939456.3/24

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -287.190+/-335.835 χ^2/NDF:5.7/6

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

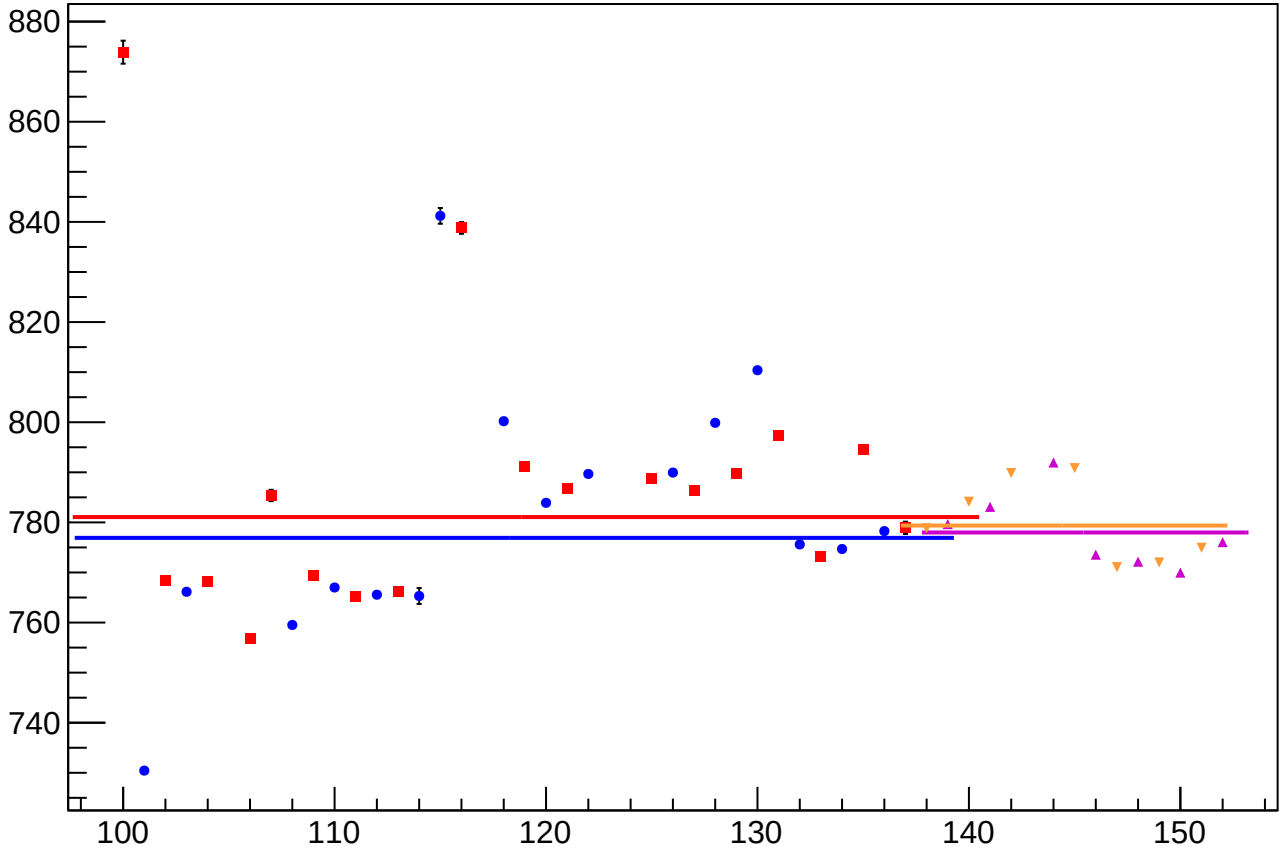
Left In: 490.390+/-313.993 χ^2/NDF:11.3/6

+ sign -380.494+/-218.912 χ^2/NDF: 12.6/22

All: -67.540+/-152.354 χ^2/NDF: 41.0/47

- sign 226.428+/-212.168 χ^2/NDF: 24.4/24

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 779.367+/-0.237 χ^2/NDF:959.7/6

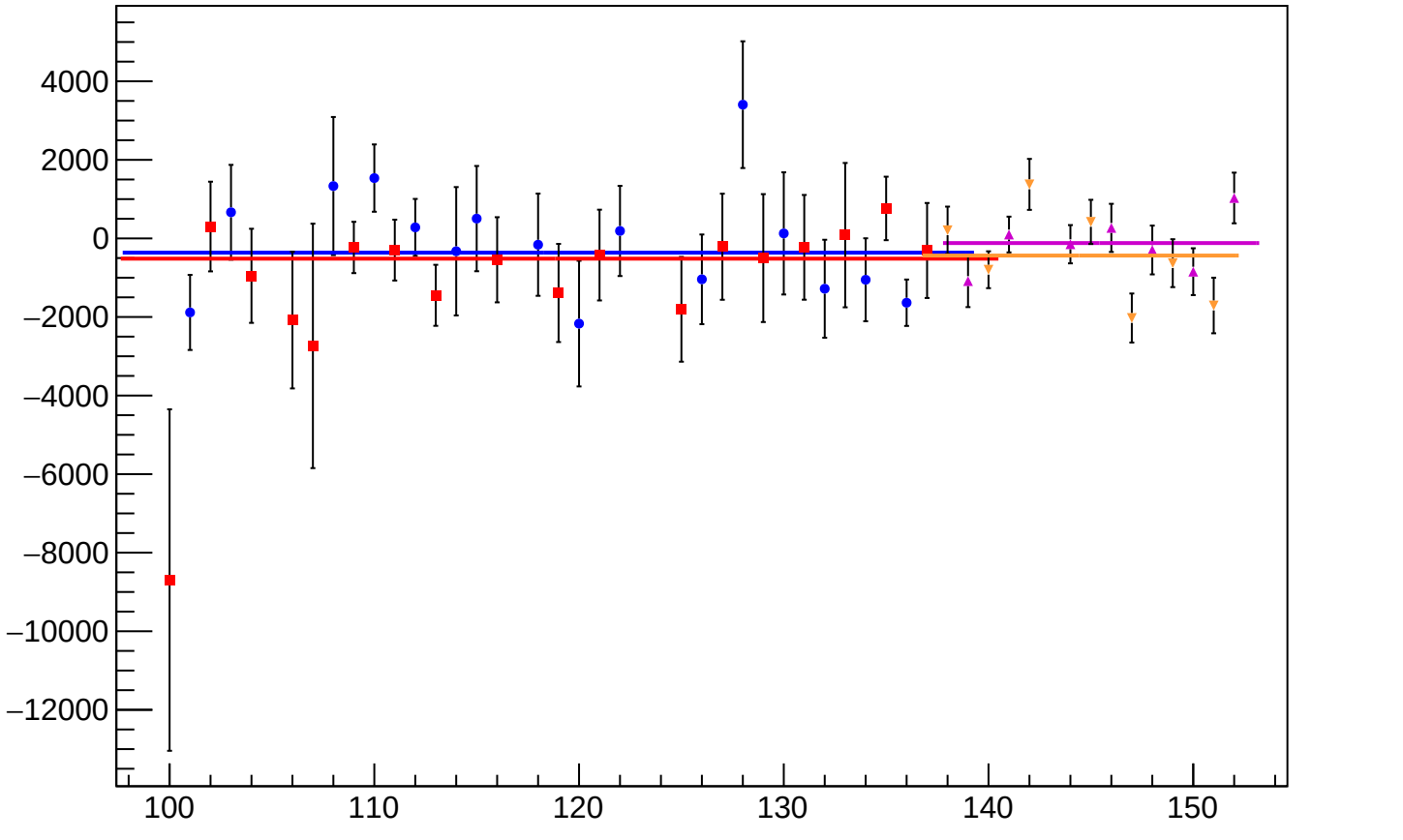
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 777.986+/-0.222 χ^2/NDF:1004.4/6

+ sign 777.956+/-0.155 χ^2/NDF: 13144.7/22

All: 778.833+/-0.108 χ^2/NDF: 21901.4/47

- sign 779.657+/-0.150 χ^2/NDF: 8694.4/24



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

Left Out: -436.183+/-223.054 χ^2/NDF:21.7/6

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

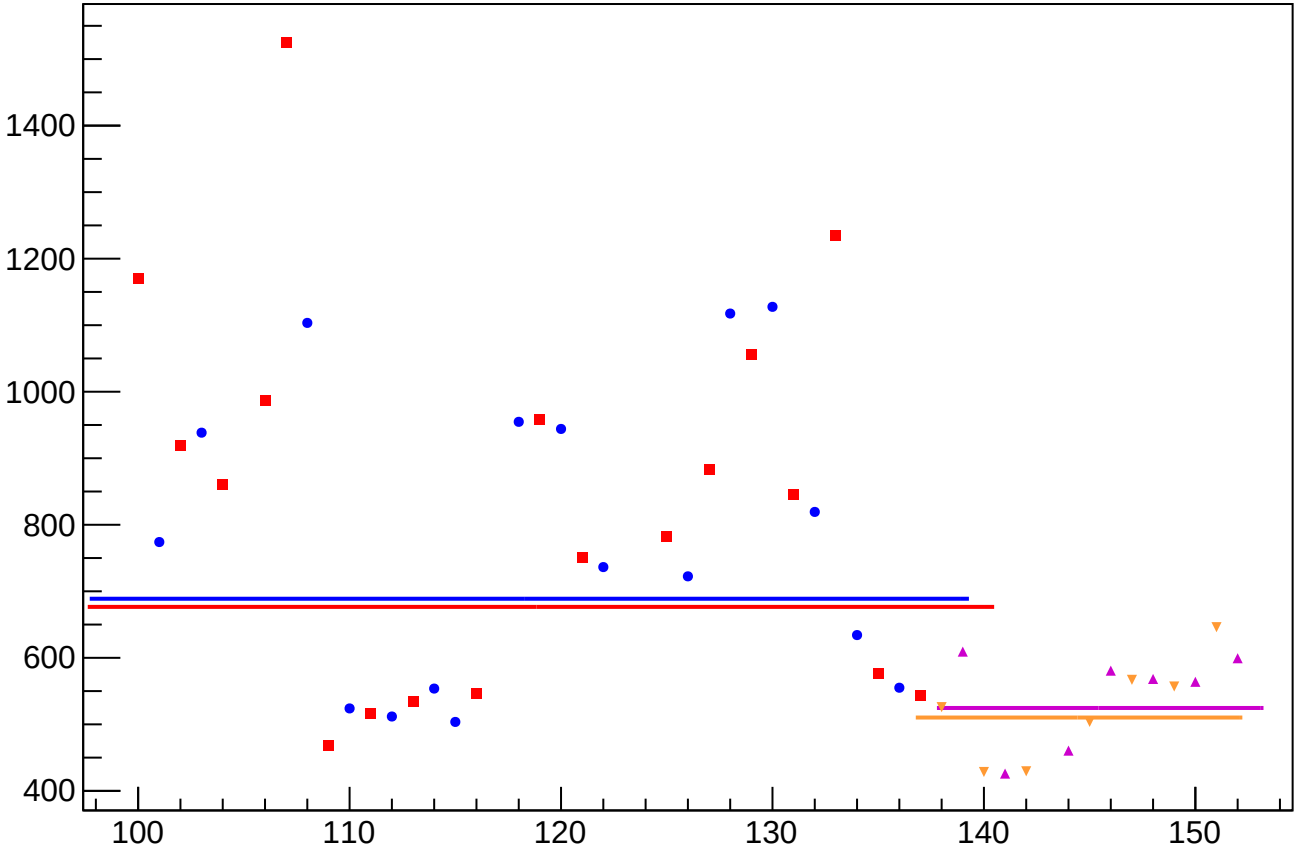
Left In: -118.136+/-214.196 χ^2/NDF:7.5/6

+ sign -406.035+/-171.202 χ^2/NDF: 45.1/22

All: -339.228+/-119.235 χ^2/NDF: 65.7/47

- sign -276.299+/-166.159 χ^2/NDF: 20.3/24

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 510.256+/-0.158 χ^2/NDF:195473.4/6

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

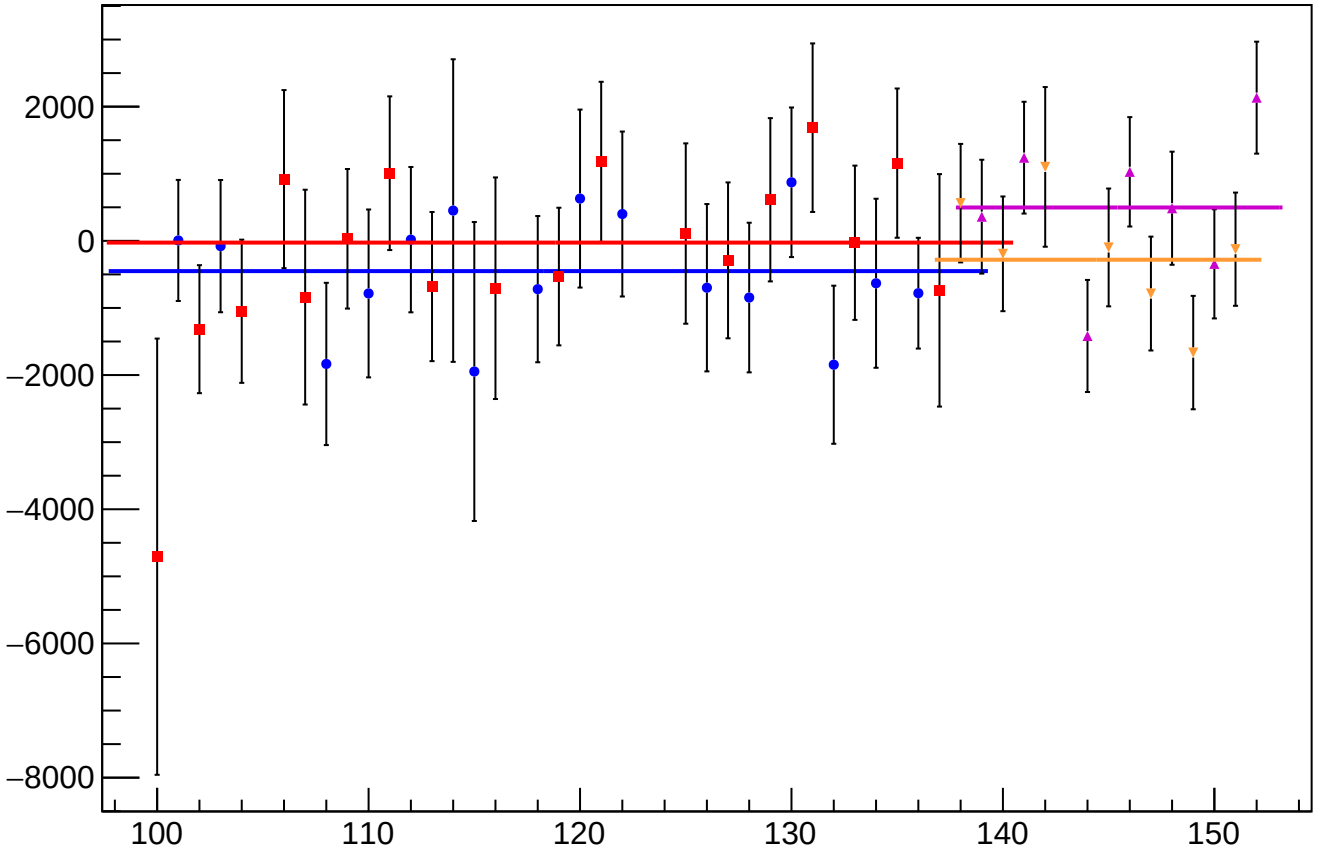
Left In: 524.625+/-0.151 χ^2/NDF:223531.0/6

+ sign 583.628+/-0.121 χ^2/NDF: 1750287.7/22

All: 584.405+/-0.084 χ^2/NDF: 3682738.0/47

- sign 585.136+/-0.117 χ^2/NDF: 1932370.5/24

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -281.357+/-336.134 χ^2/NDF:5.4/6

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

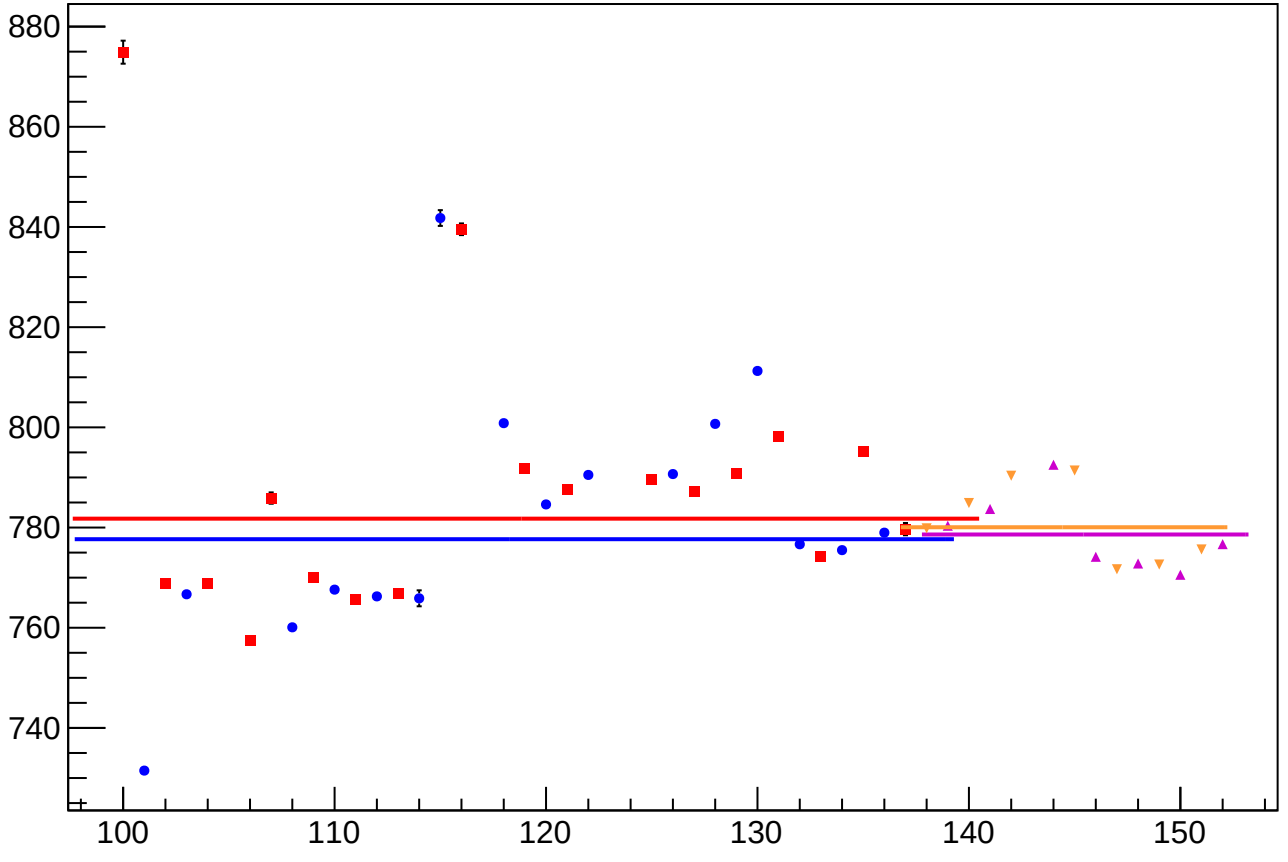
Left In: 497.306+/-314.246 χ^2/NDF:11.4/6

+ sign -378.884+/-219.118 χ^2/NDF: 12.5/22

All: -73.710+/-152.491 χ^2/NDF: 40.8/47

- sign 212.908+/-212.352 χ^2/NDF: 24.6/24

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 780.061+/-0.238 χ^2/NDF:952.3/6

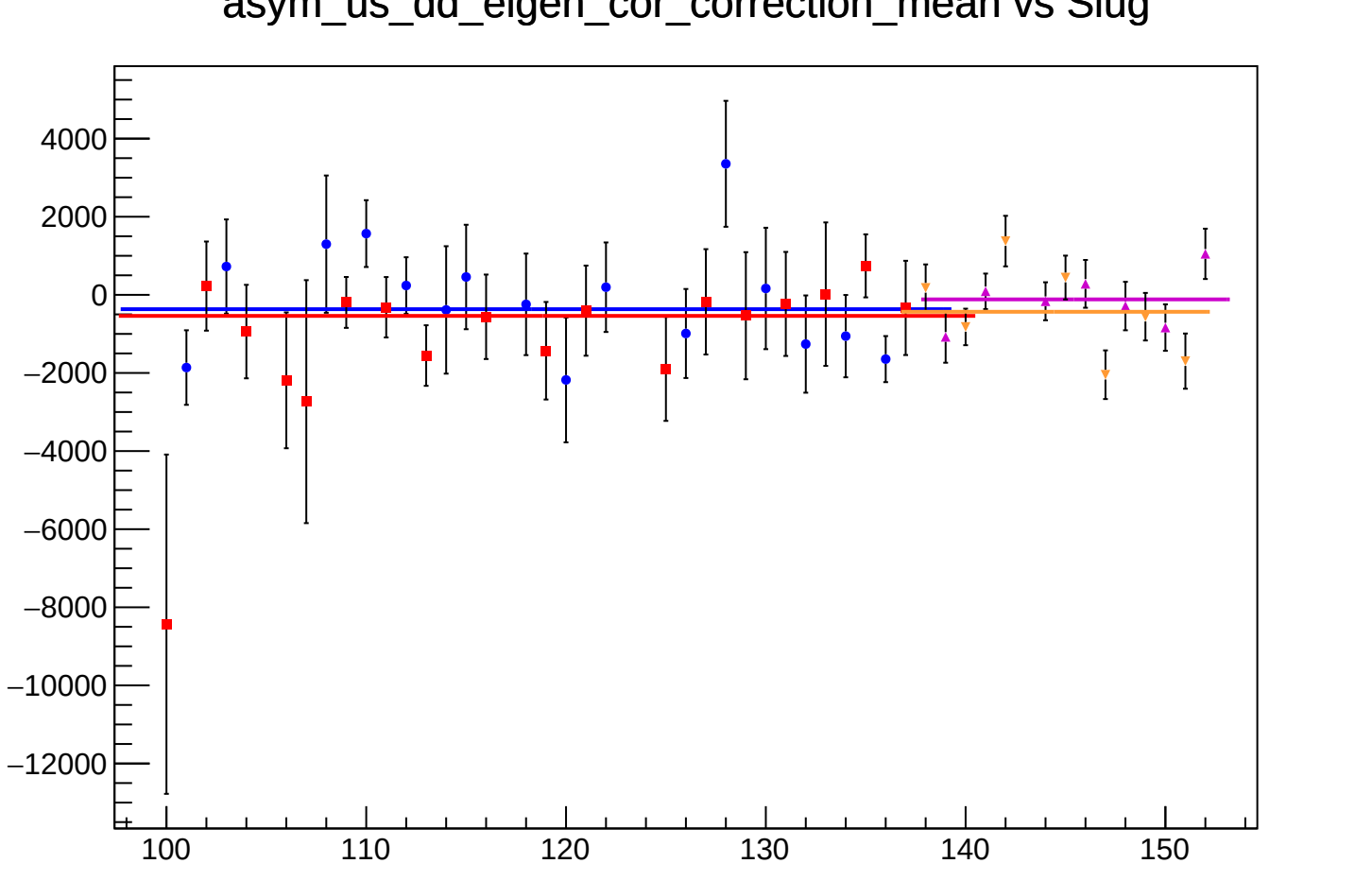
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.614+/-0.222 χ^2/NDF:998.9/6

\+ sign 778.689+/-0.155 χ^2/NDF: 13065.7/22

All: 779.536+/-0.108 χ^2/NDF: 21859.0/47

\- sign 780.332+/-0.150 χ^2/NDF: 8735.3/24



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

Left Out: -433.578+/-222.554 χ^2/NDF:21.9/6

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

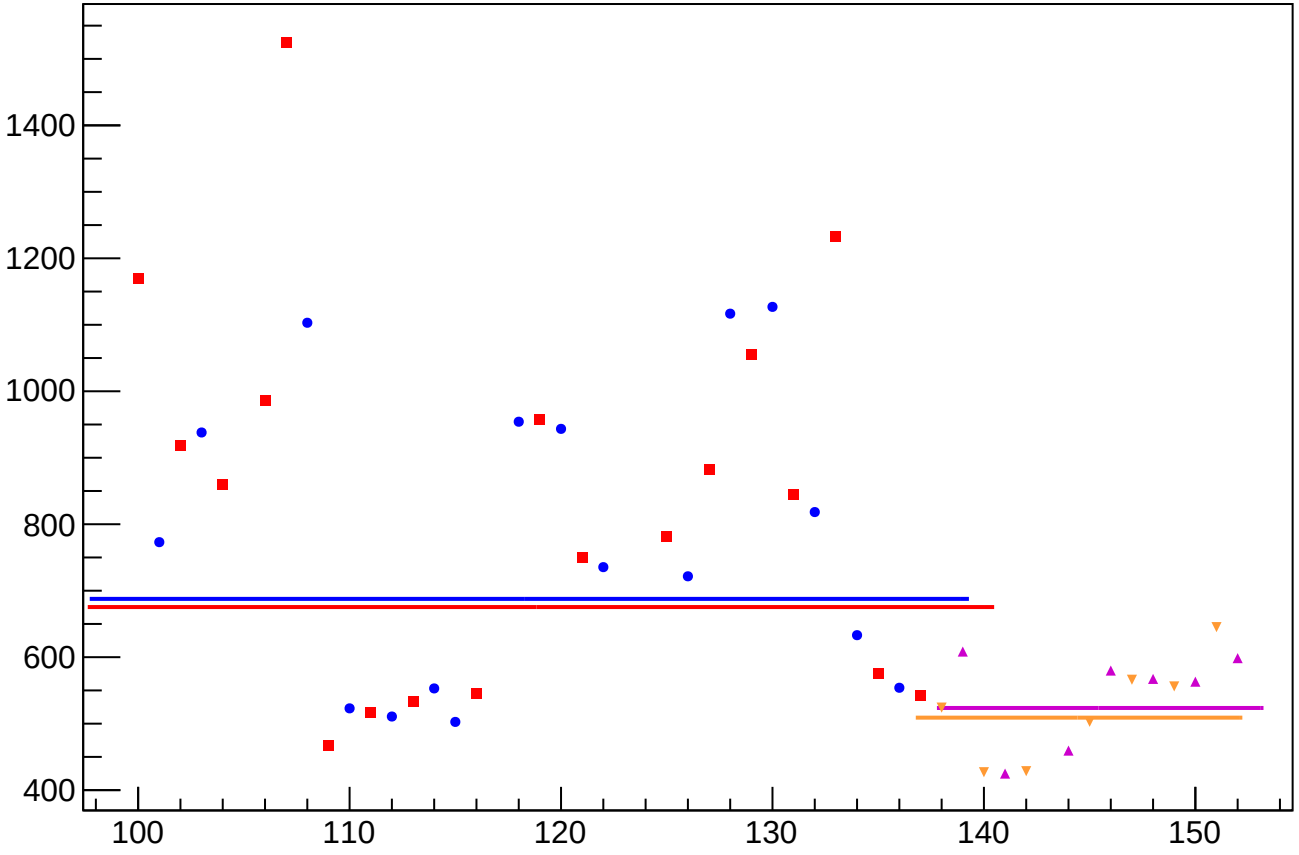
Left In: -116.183+/-213.797 χ^2/NDF:7.6/6

+ sign -406.251+/-170.874 χ^2/NDF: 45.3/22

All: -343.540+/-119.019 χ^2/NDF: 66.3/47

- sign -284.446+/-165.874 χ^2/NDF: 20.8/24

asym_us_dd_eigen_cor_correction_rms vs Slug



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

Left Out: 509.049+/-0.157 χ^2/NDF:197134.2/6

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

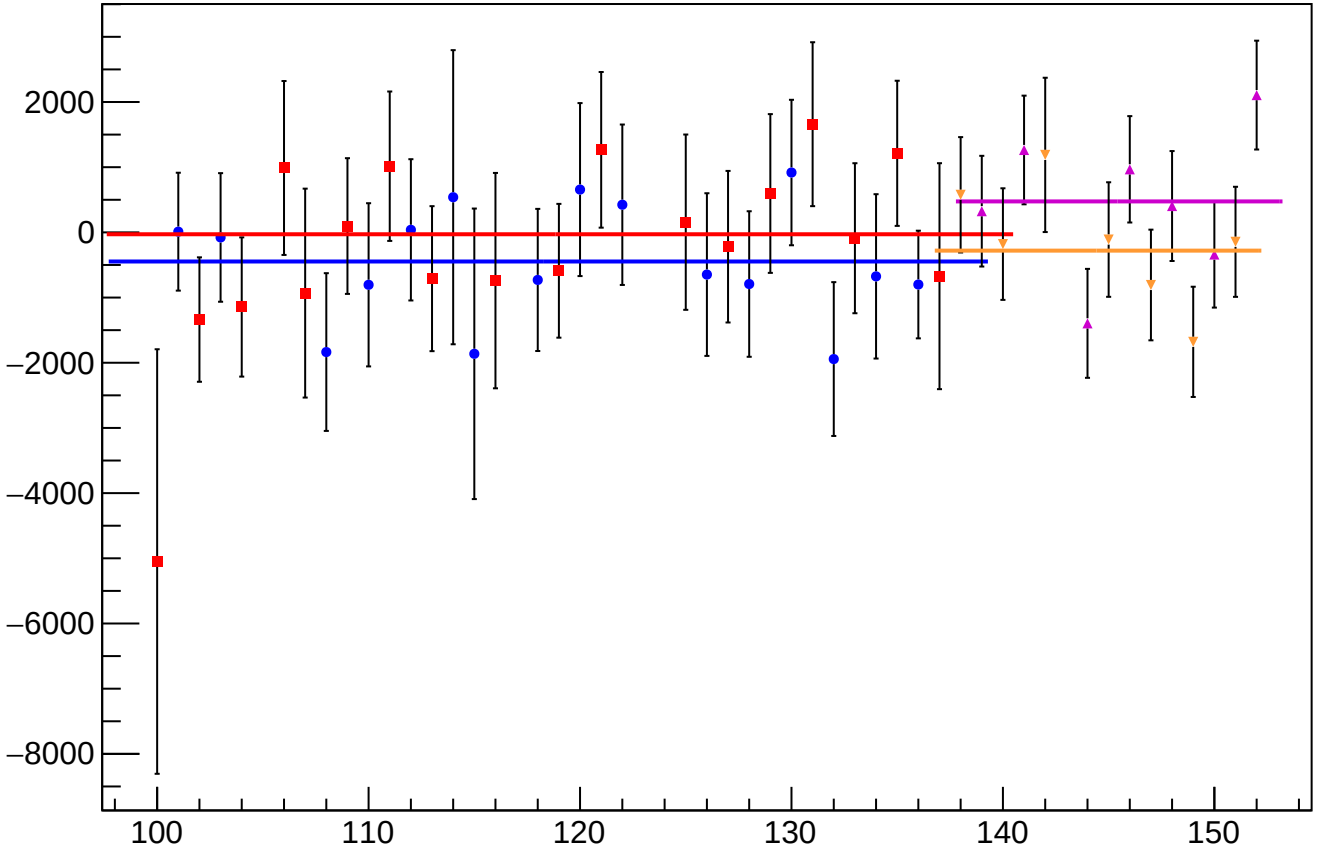
Left In: 523.607+/-0.151 χ^2/NDF:225089.4/6

+ sign 582.392+/-0.121 χ^2/NDF: 1758174.6/22

All: 583.237+/-0.084 χ^2/NDF: 3697725.9/47

- sign 584.034+/-0.117 χ^2/NDF: 1939456.3/24

dit_asym_us_dd_mean vs Slug



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

Left Out: -279.989+/-336.344 χ^2/NDF:5.7/6

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

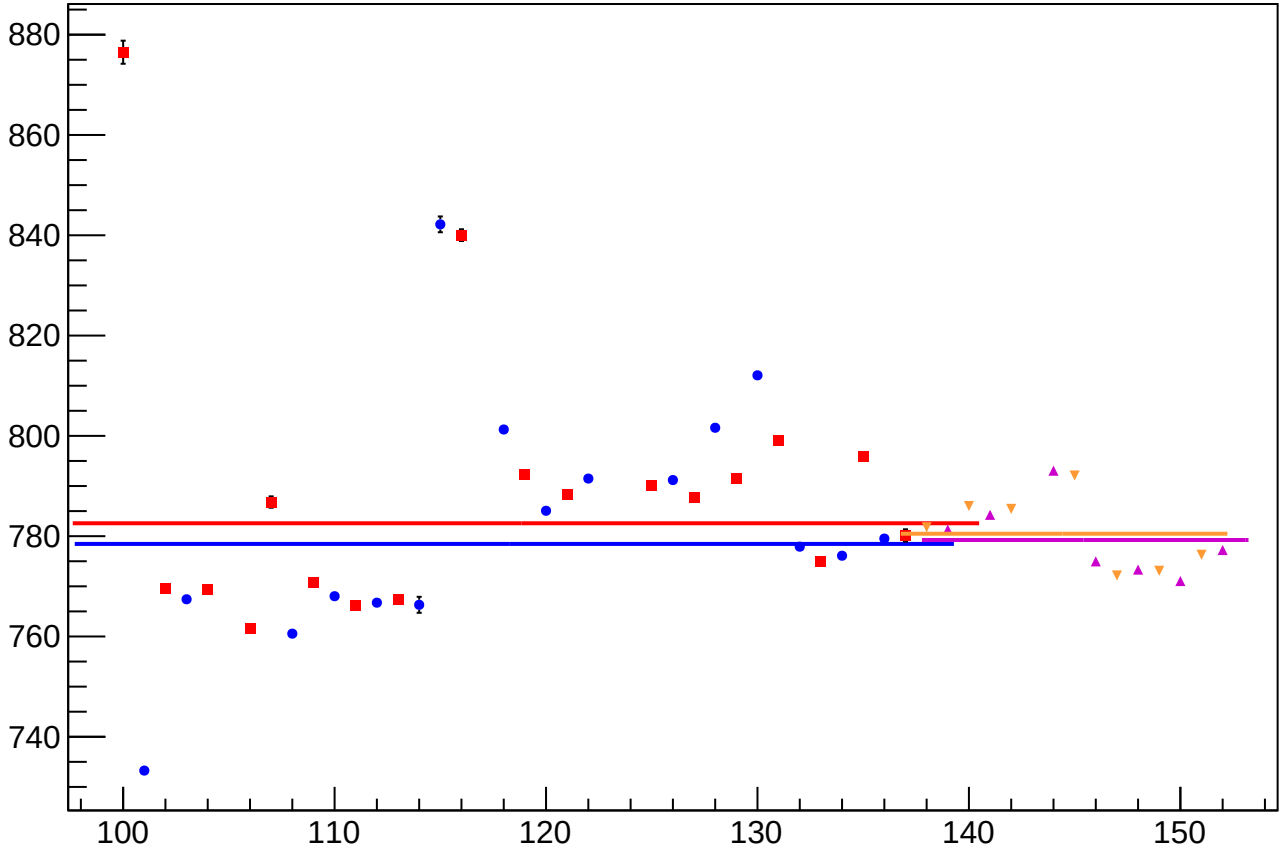
Left In: 474.973+/-314.498 χ^2/NDF:11.1/6

+ sign -375.803+/-219.302 χ^2/NDF: 13.1/22

All: -78.226+/-152.626 χ^2/NDF: 41.8/47

- sign 201.303+/-212.547 χ^2/NDF: 25.1/24

dit_asym_us_dd_rms vs Slug



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

Left Out: 780.488+/-0.238 χ^2/NDF:866.0/6

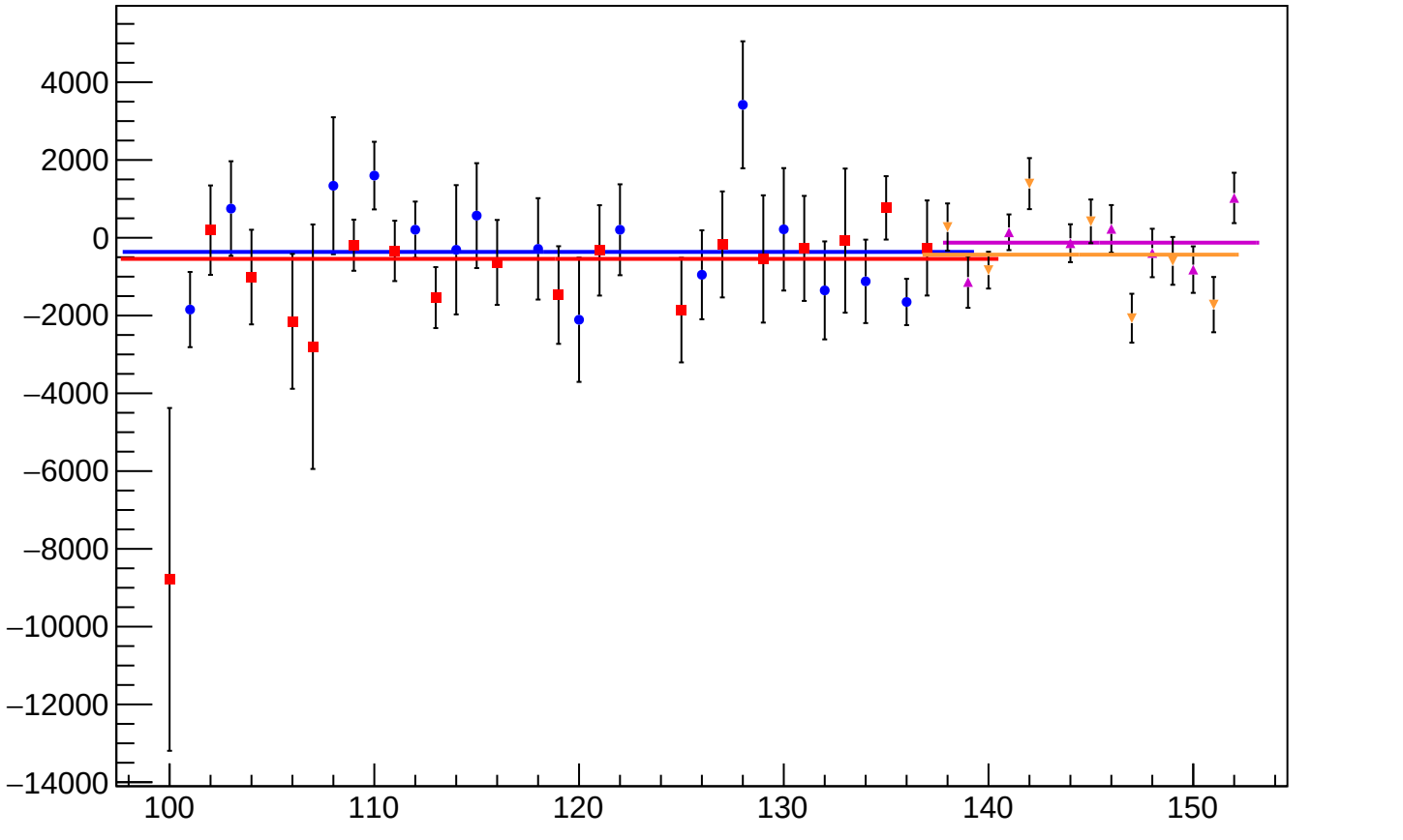
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 779.238+/-0.222 χ^2/NDF:997.8/6

+ sign 779.320+/-0.155 χ^2/NDF: 12703.2/22

All: 780.212+/-0.108 χ^2/NDF: 21368.9/47

- sign 781.051+/-0.150 χ^2/NDF: 8601.5/24



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

Left Out: -434.390+/-224.643 χ^2/NDF:22.2/6

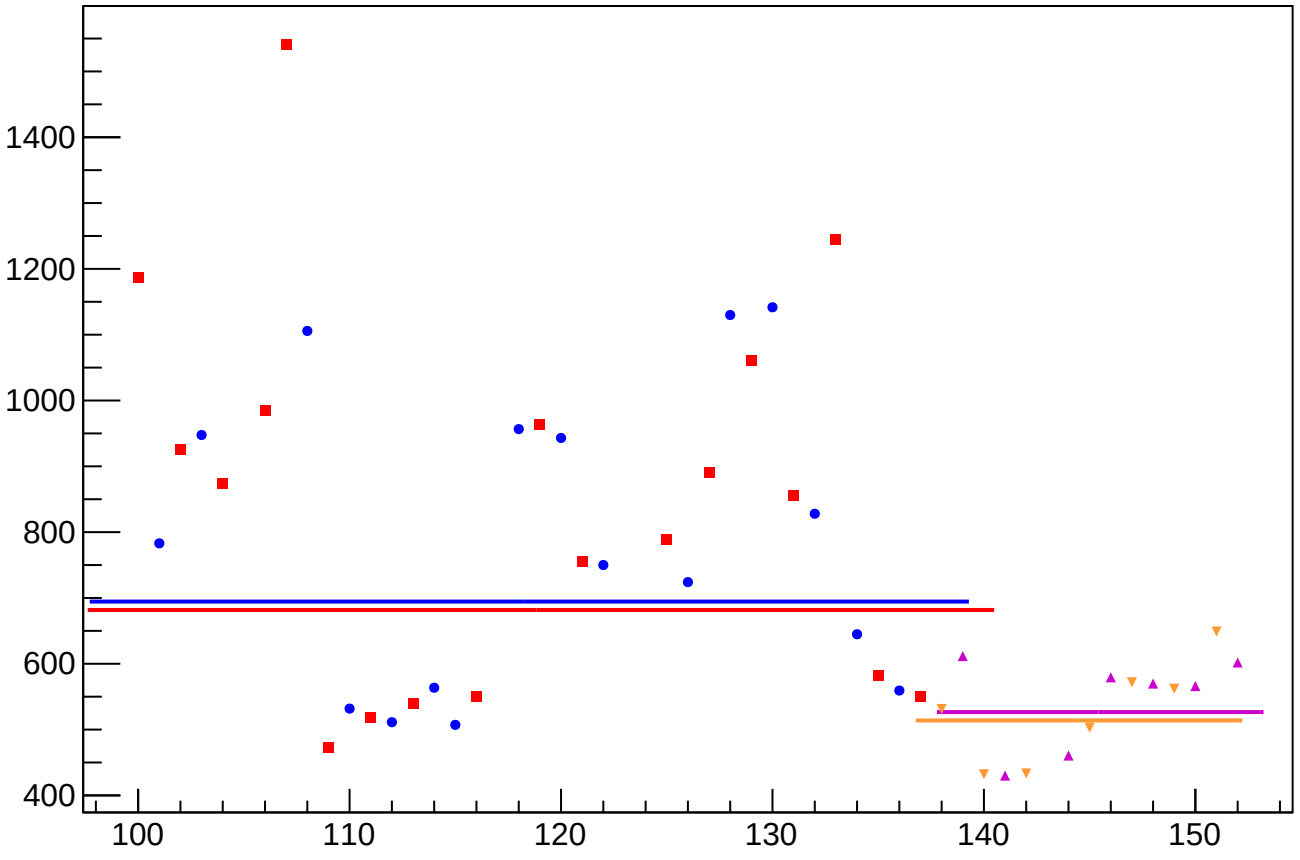
Right Out: -542.879+/-265.273 χ^2/NDF: 11.8/17

Left In: -126.139+/-214.928 χ^2/NDF:7.7/6

+ sign -405.500+/-172.508 χ^2/NDF: 45.6/22

All: -346.542+/-119.985 χ^2/NDF: 66.7/47

- sign -291.292+/-166.995 χ^2/NDF: 20.9/24



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

Left Out: 513.877+/-0.159 χ^2/NDF:193805.7/6

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

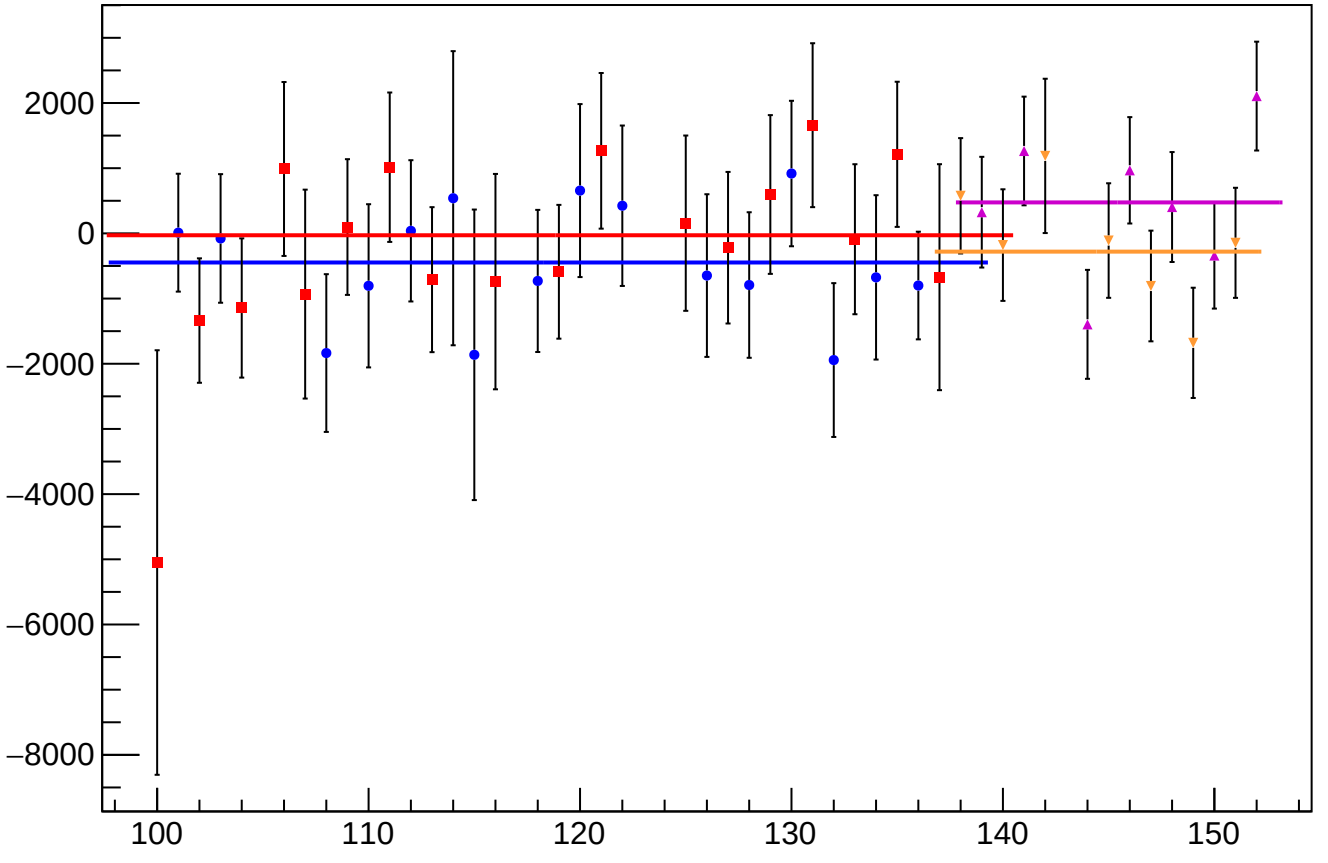
Left In: 526.611+/-0.152 χ^2/NDF:218313.6/6

\+ sign 587.995+/-0.122 χ^2/NDF: 1754325.2/22

All: 588.044+/-0.085 χ^2/NDF: 3696886.6/47

\- sign 588.090+/-0.118 χ^2/NDF: 1942561.1/24

eigen_dit_asym_us_dd_mean vs Slug



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

Left Out: -279.991+/-336.344 χ^2/NDF:5.7/6

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

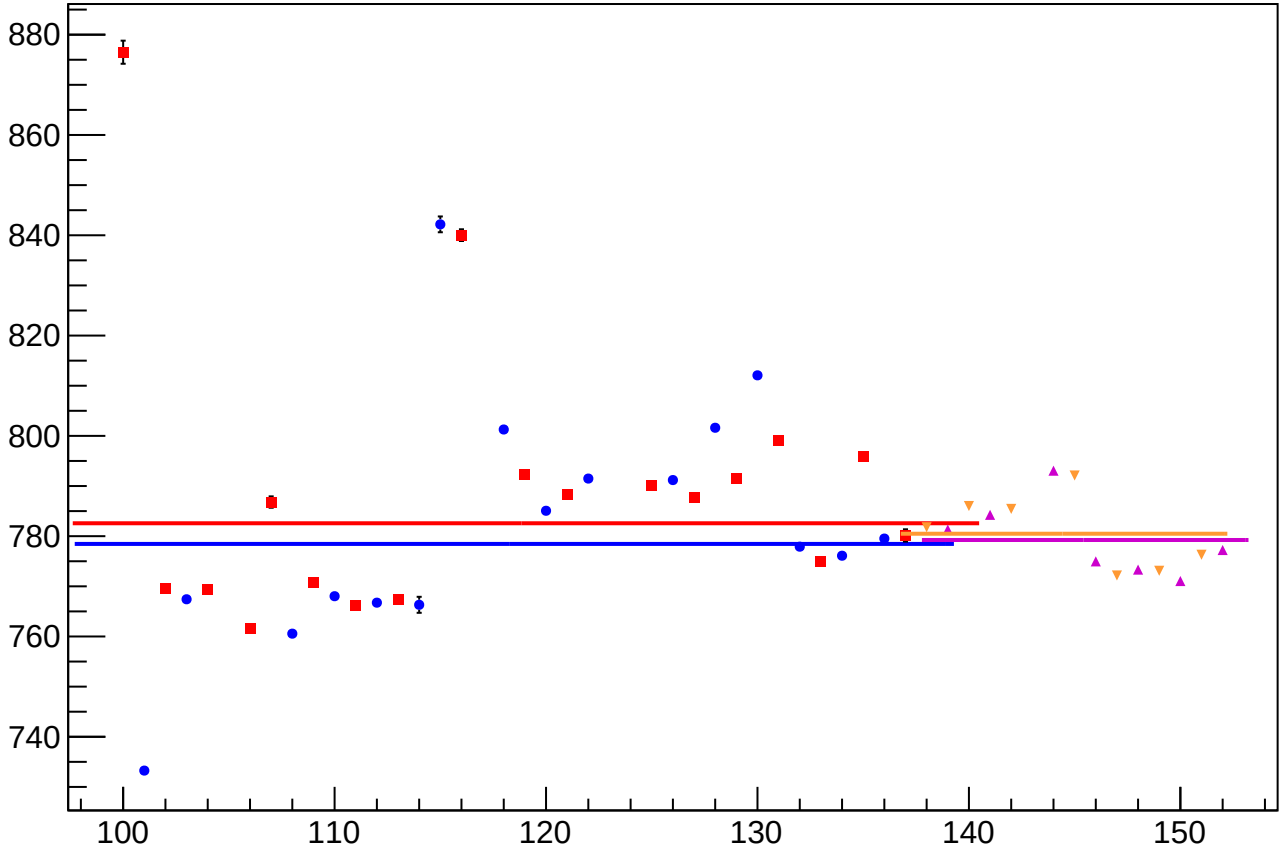
Left In: 474.972+/-314.498 χ^2/NDF:11.1/6

+ sign -375.804+/-219.302 χ^2/NDF: 13.1/22

All: -78.226+/-152.626 χ^2/NDF: 41.8/47

- sign 201.303+/-212.547 χ^2/NDF: 25.1/24

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 780.488+/-0.238 χ^2/NDF:866.0/6

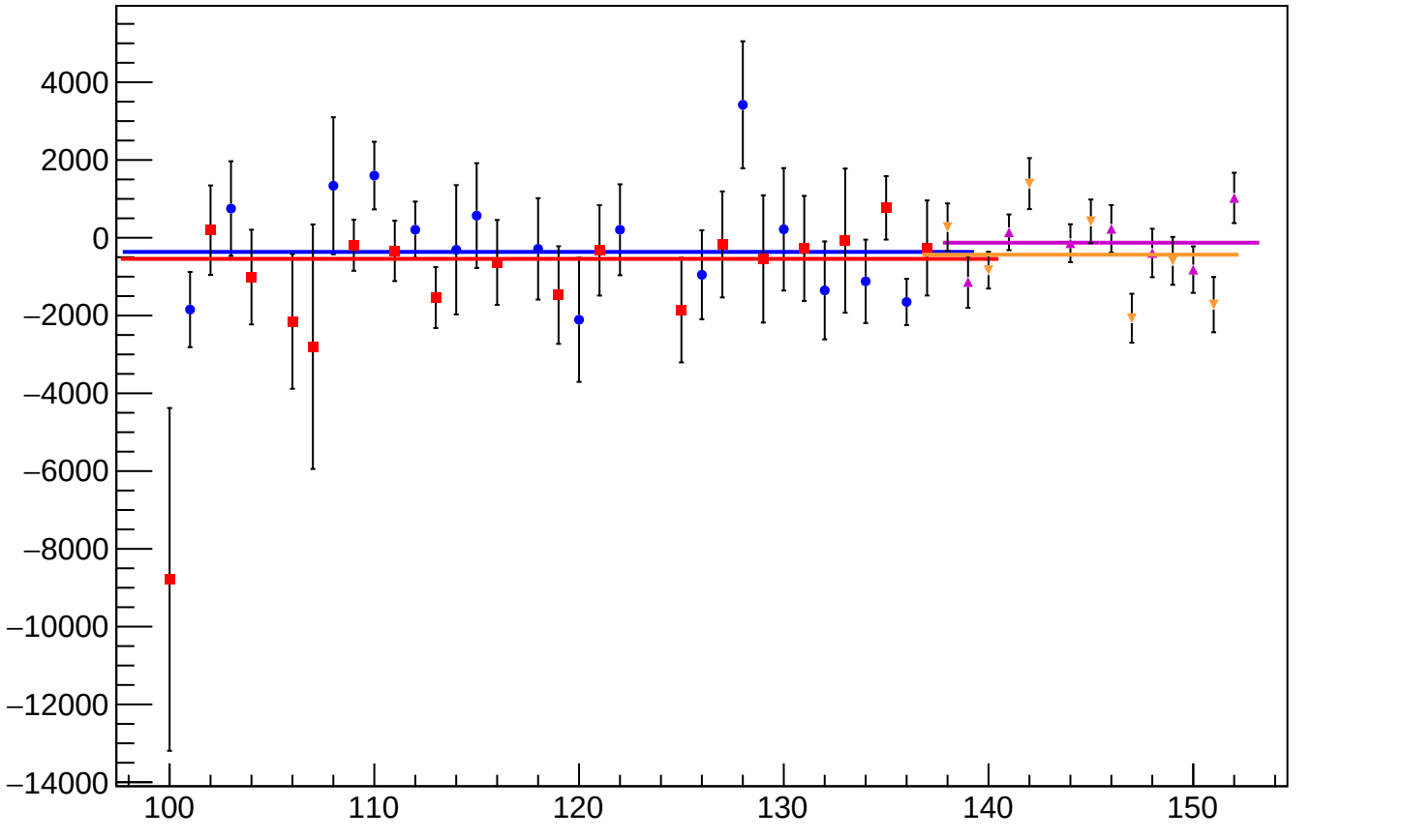
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 779.238+/-0.222 χ^2/NDF:997.8/6

\+ sign 779.320+/-0.155 χ^2/NDF: 12703.1/22

All: 780.212+/-0.108 χ^2/NDF: 21368.9/47

\- sign 781.051+/-0.150 χ^2/NDF: 8601.5/24



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

Left Out: -434.391+/-224.643 χ^2/NDF:22.2/6

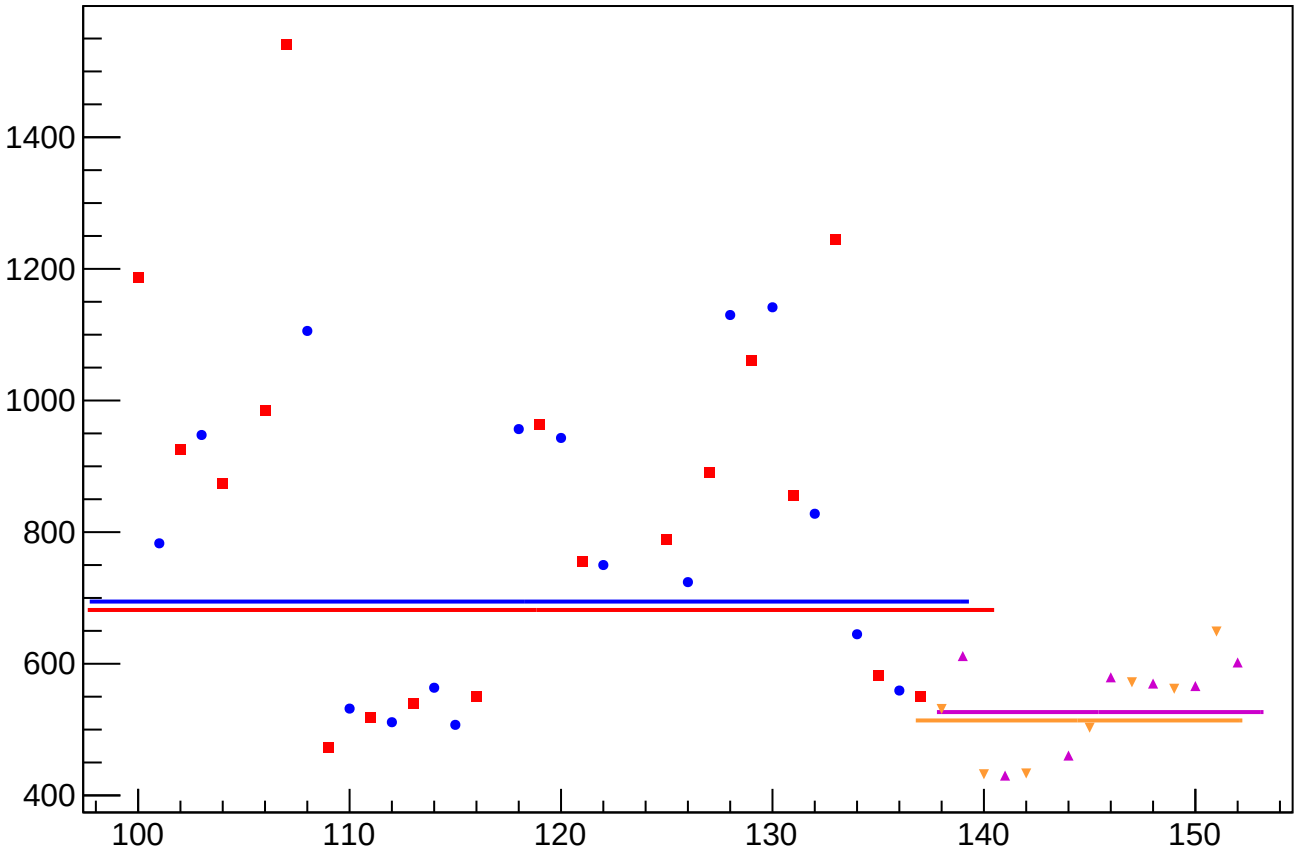
Right Out: -542.878+/-265.272 χ^2/NDF: 11.8/17

Left In: -126.137+/-214.928 χ^2/NDF:7.7/6

+ sign -405.498+/-172.508 χ^2/NDF: 45.6/22

All: -346.541+/-119.985 χ^2/NDF: 66.7/47

- sign -291.291+/-166.995 χ^2/NDF: 20.9/24



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

Left Out: 513.877+/-0.159 χ^2/NDF:193814.4/6

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

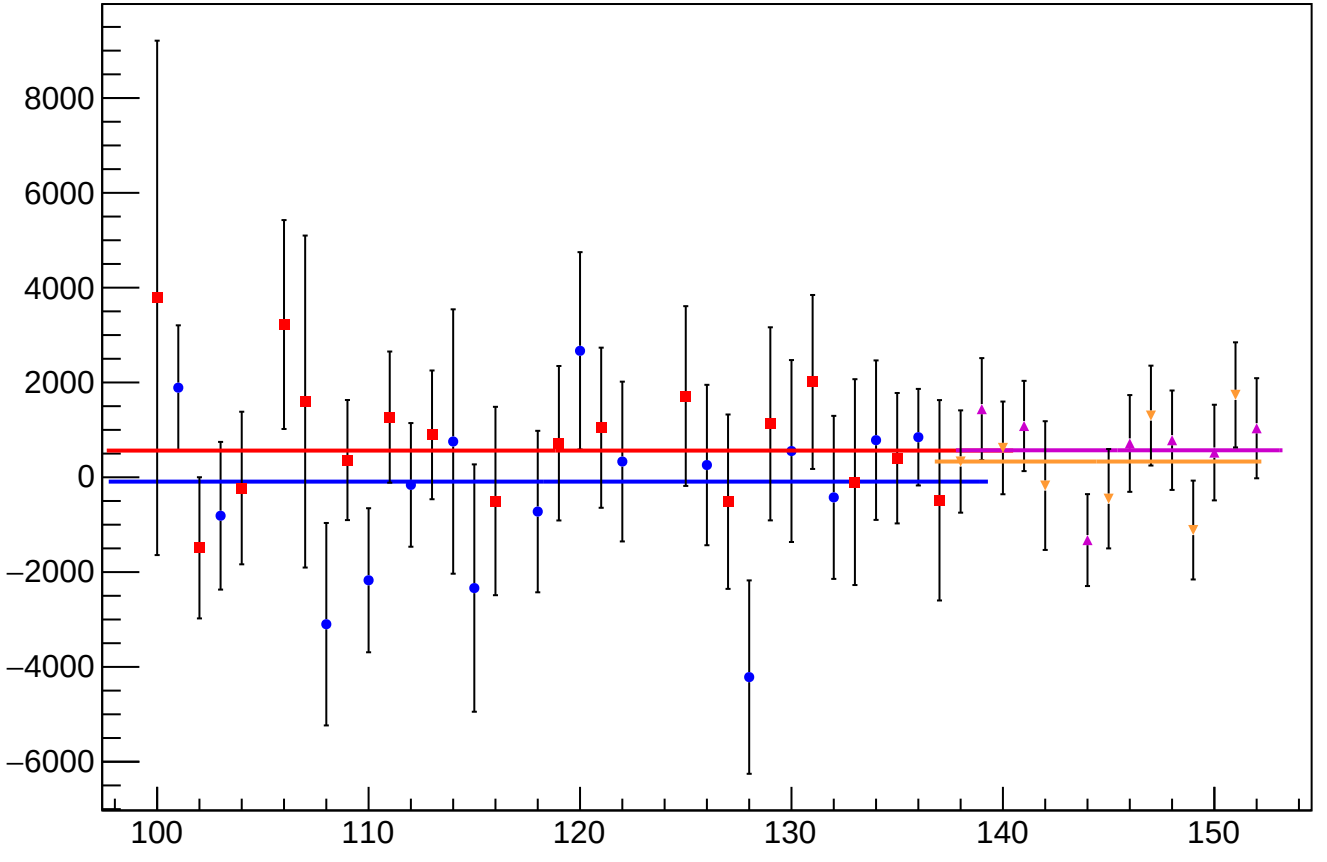
Left In: 526.611+/-0.152 χ^2/NDF:218323.5/6

+ sign 587.994+/-0.122 χ^2/NDF: 1754329.6/22

All: 588.043+/-0.085 χ^2/NDF: 3696905.4/47

- sign 588.089+/-0.118 χ^2/NDF: 1942575.5/24

asym_us_dd_mean vs Slug



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

Left Out: 332.328+/-408.505 χ^2/NDF:5.2/6

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

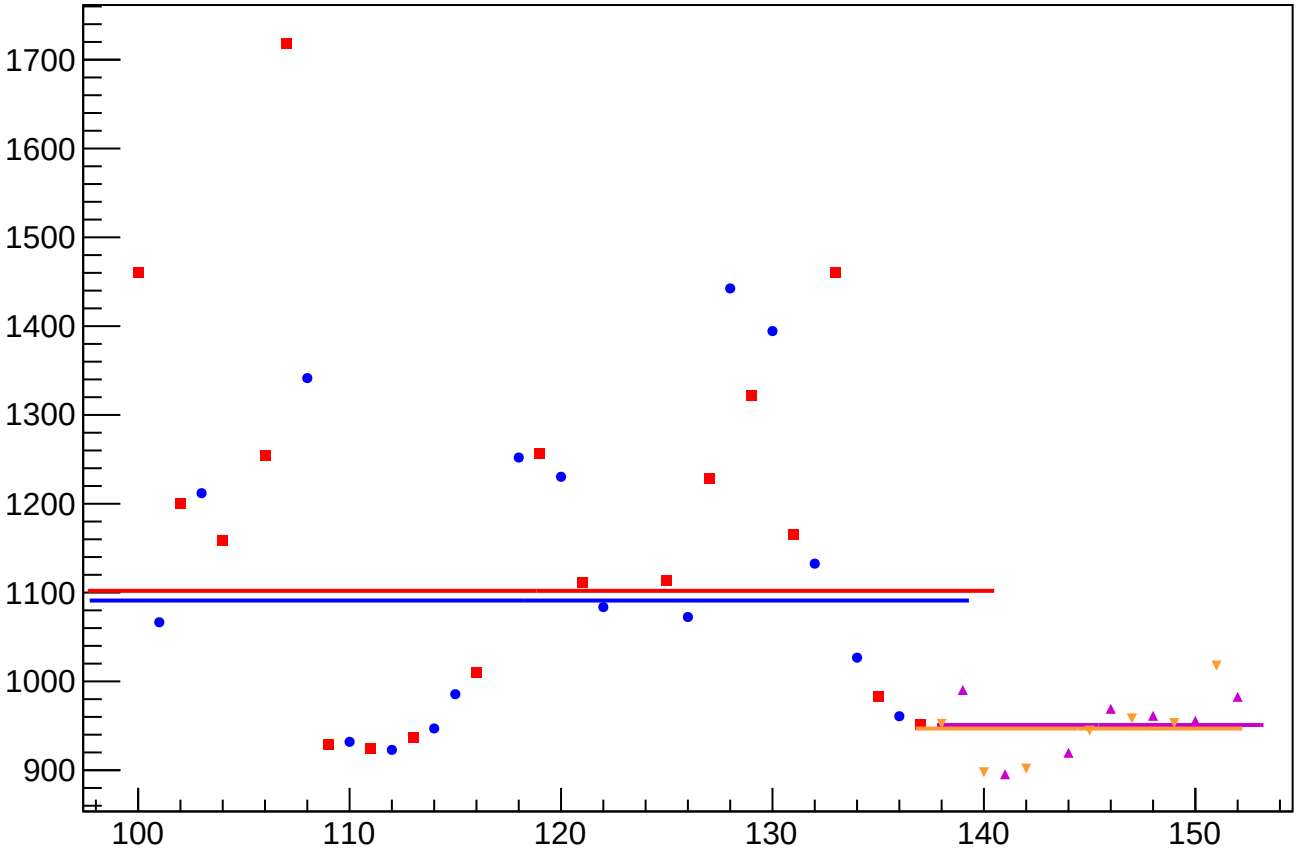
Left In: 569.586+/-384.060 χ^2/NDF:5.0/6

+ sign 121.263+/-289.368 χ^2/NDF: 20.2/22

All: 350.658+/-201.514 χ^2/NDF: 33.0/47

- sign 566.656+/-280.792 χ^2/NDF: 11.5/24

asym_us_dd_rms vs Slug



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

Left Out: 946.870+/-0.289 χ^2/NDF:15821.2/6

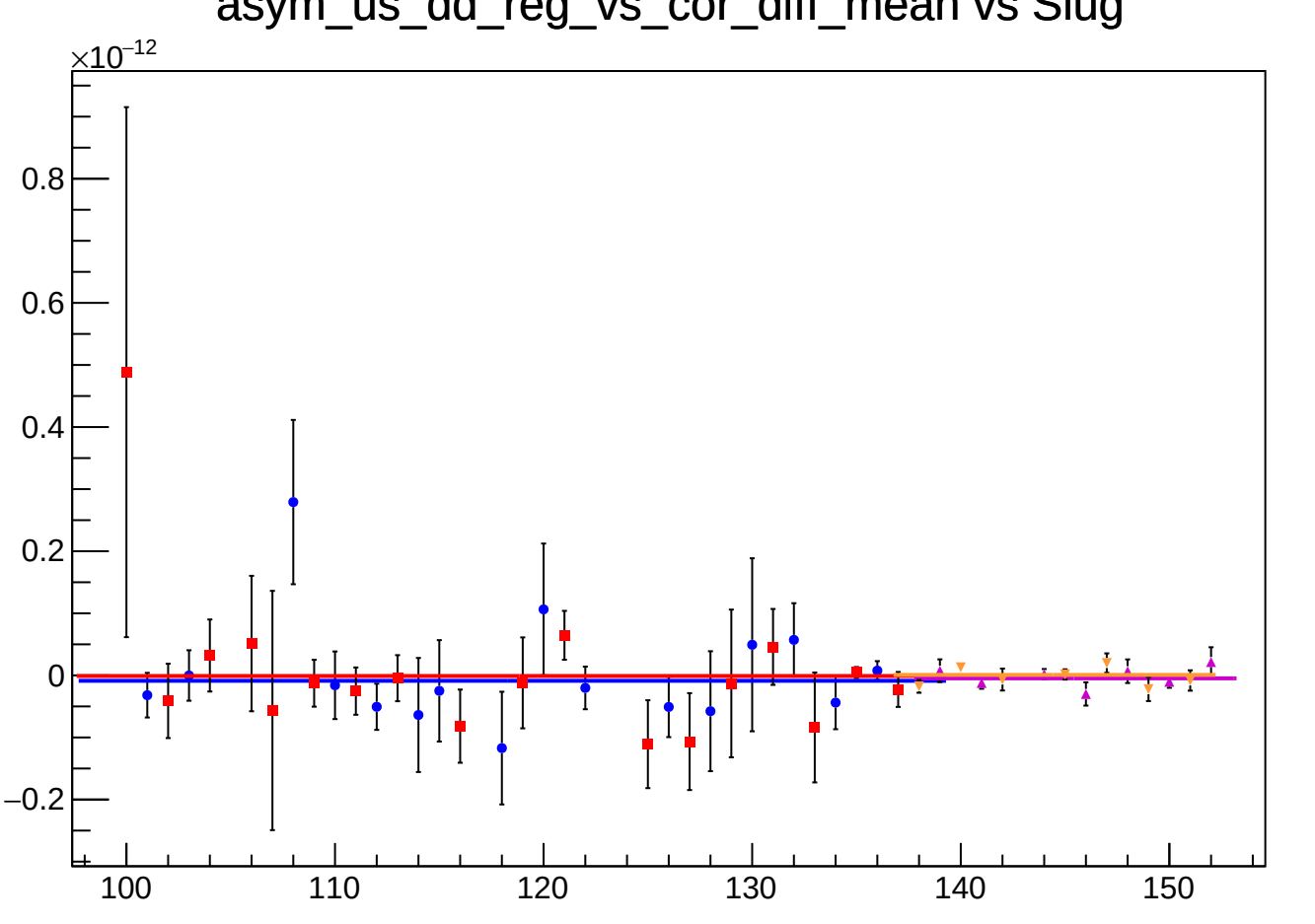
Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

Left In: 950.876+/-0.272 χ^2/NDF:14232.2/6

+ sign 1018.700+/-0.205 χ^2/NDF: 417239.3/22

All: 1019.986+/-0.142 χ^2/NDF: 903708.6/47

- sign 1021.198+/-0.199 χ^2/NDF: 486392.5/24



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

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/6

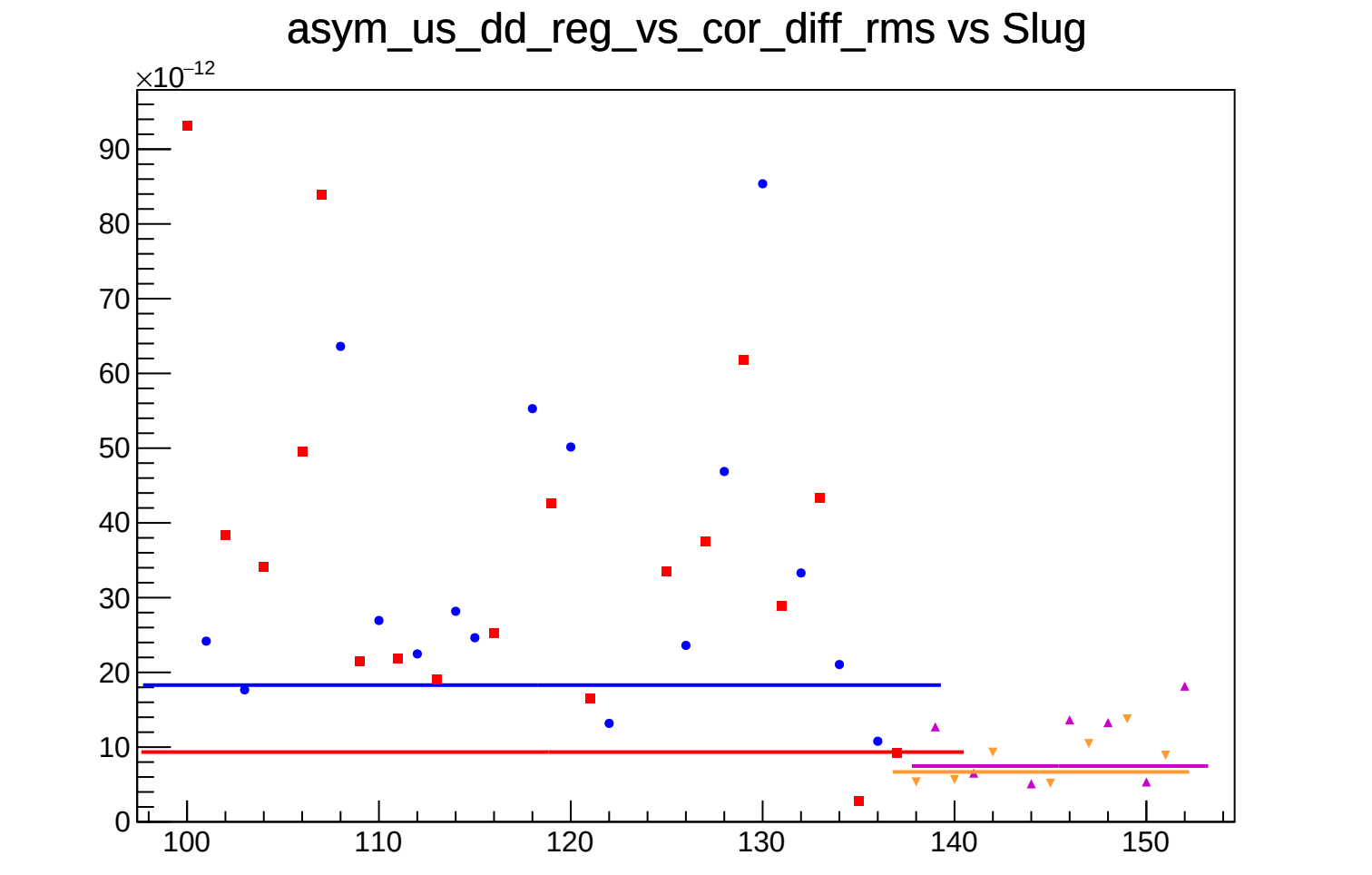
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: -0.000+/-0.000 χ^2/NDF:5.5/6

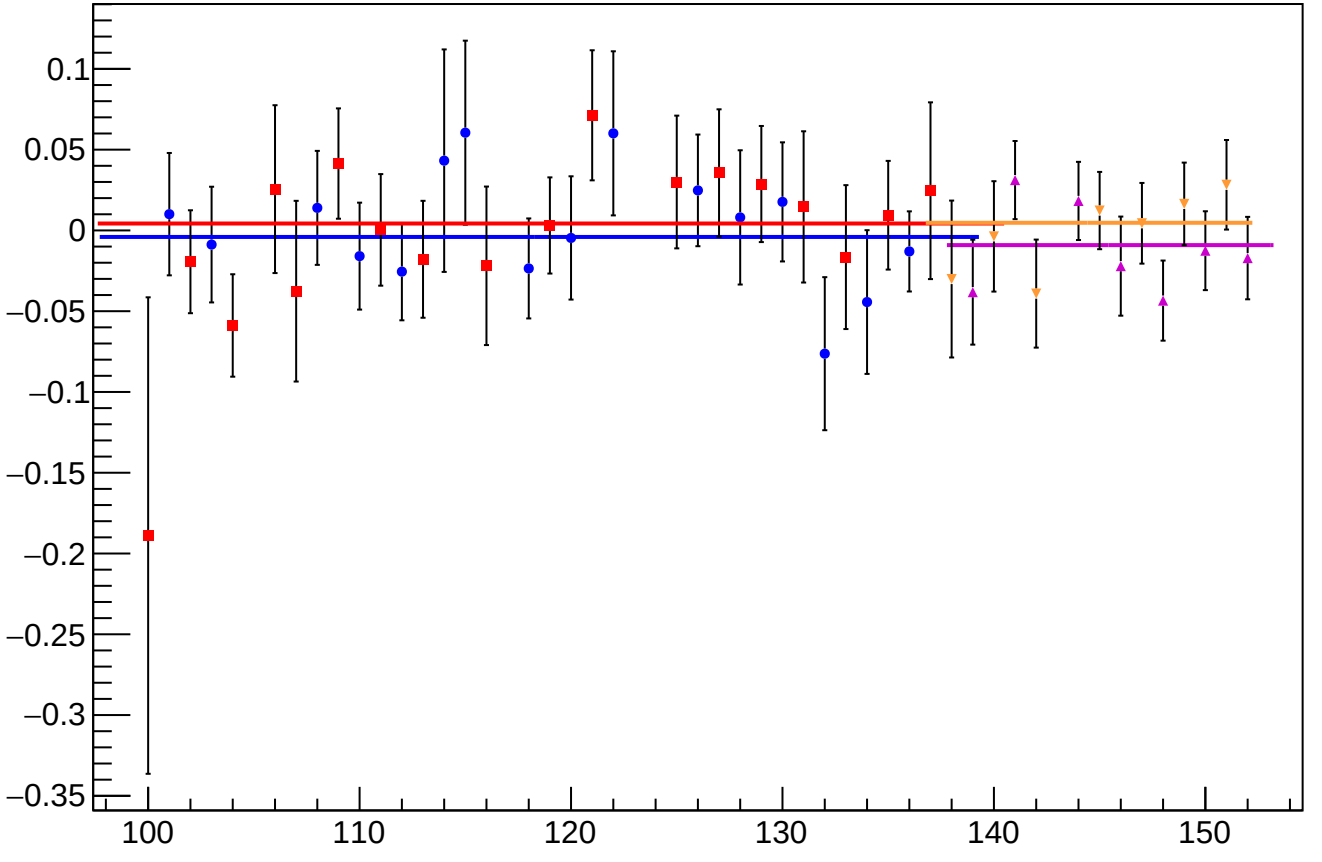
\+ sign -0.000+/-0.000 χ^2/NDF: 23.7/22

All: -0.000+/-0.000 χ^2/NDF: 44.0/47

\- sign -0.000+/-0.000 χ^2/NDF: 20.0/24


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:607820.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1254501.3/6
+ sign 0.000+/-0.000 χ²/NDF: 5042146.9/22
All: 0.000+/-0.000 χ²/NDF: 11541634.3/47
- sign 0.000+/-0.000 χ²/NDF: 6488750.8/24

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.005+/-0.011 χ^2/NDF:3.3/6

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

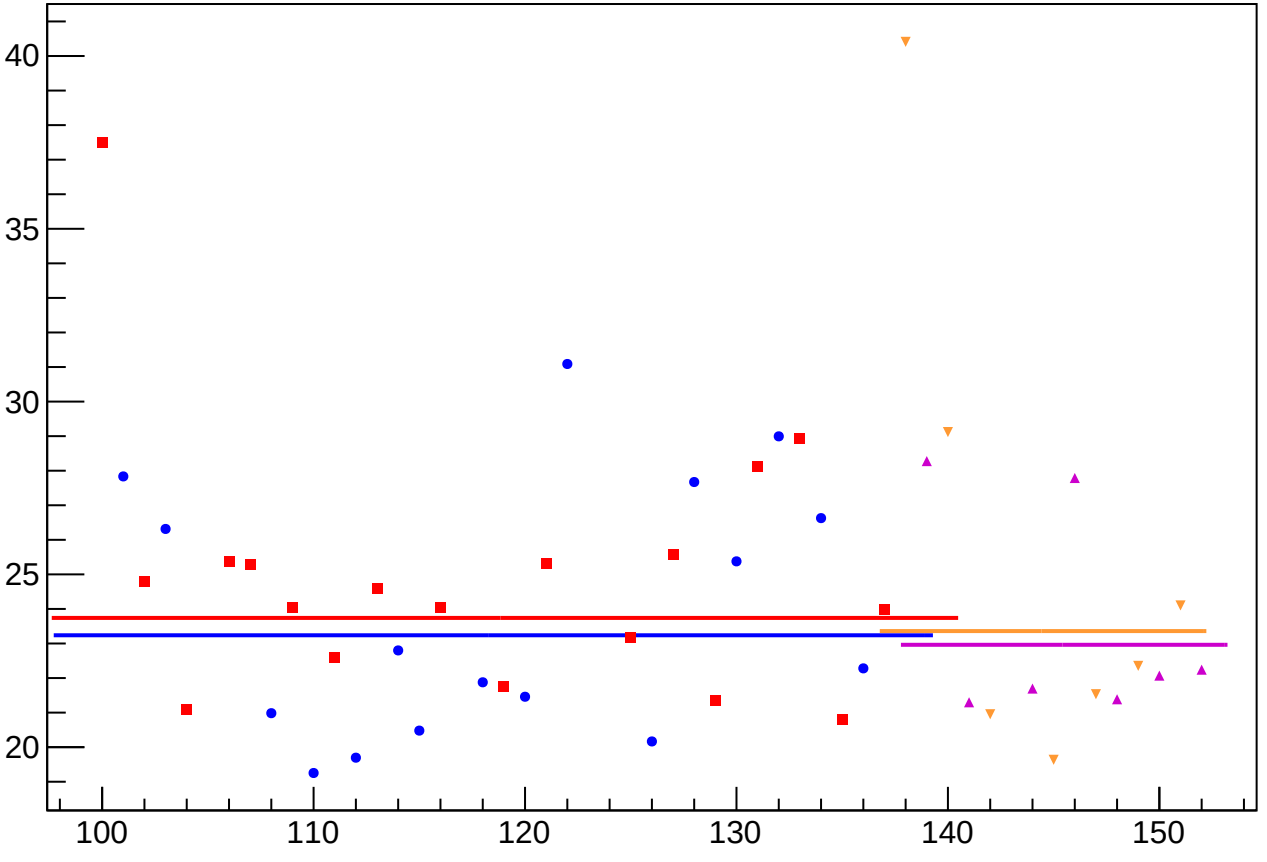
Left In: -0.009+/-0.010 χ^2/NDF:7.1/6

+ sign -0.000+/-0.007 χ^2/NDF: 12.9/22

All: -0.001+/-0.005 χ^2/NDF: 34.5/47

- sign -0.002+/-0.007 χ^2/NDF: 21.5/24

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 23.359+/-0.008 χ^2/NDF:377450.5/6

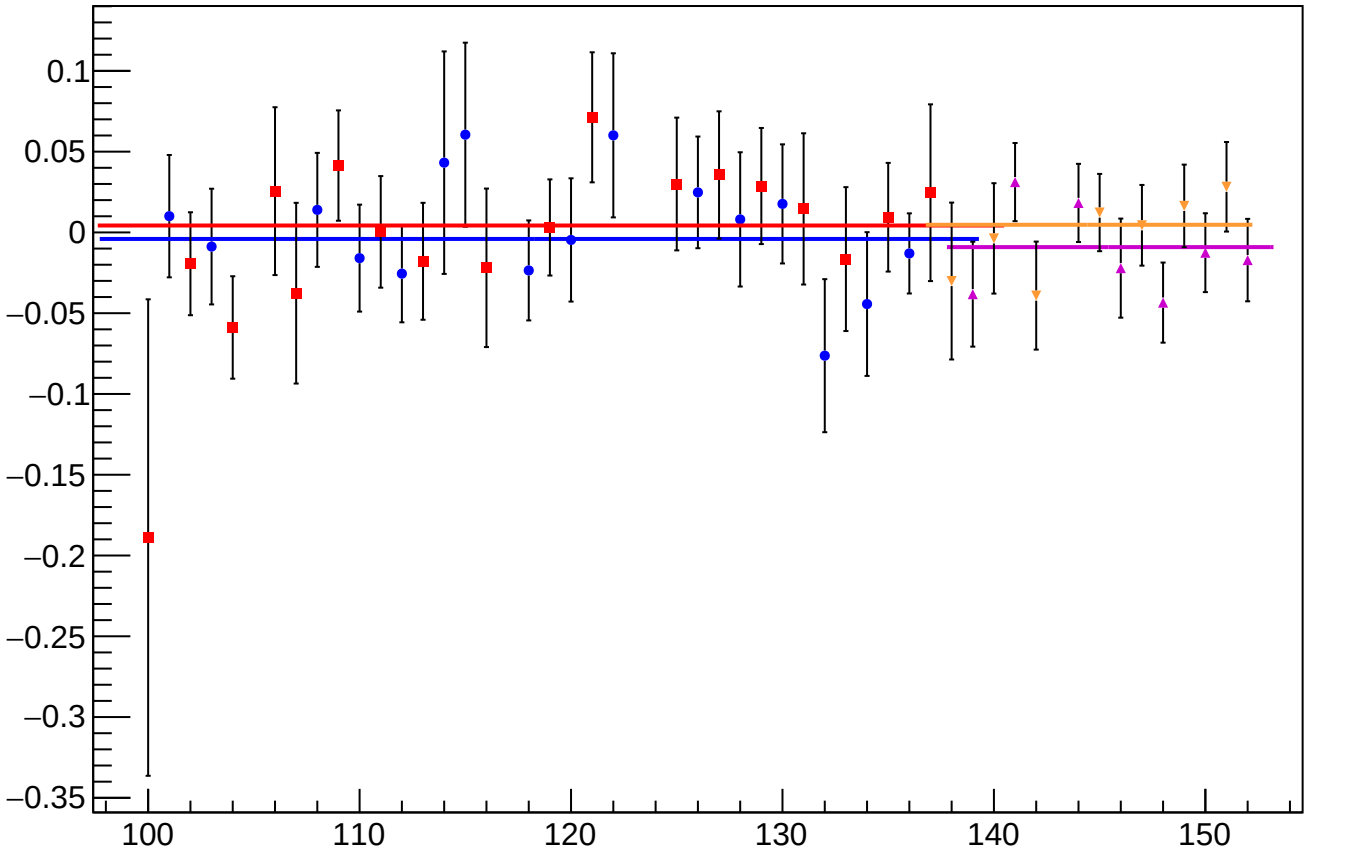
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 22.962+/-0.007 χ^2/NDF:130370.6/6

+ sign 23.289+/-0.005 χ^2/NDF: 636829.3/22

All: 23.333+/-0.003 χ^2/NDF: 900106.6/47

- sign 23.374+/-0.005 χ^2/NDF: 263126.0/24



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

Left Out: 0.005+/-0.011 χ^2/NDF:3.3/6

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

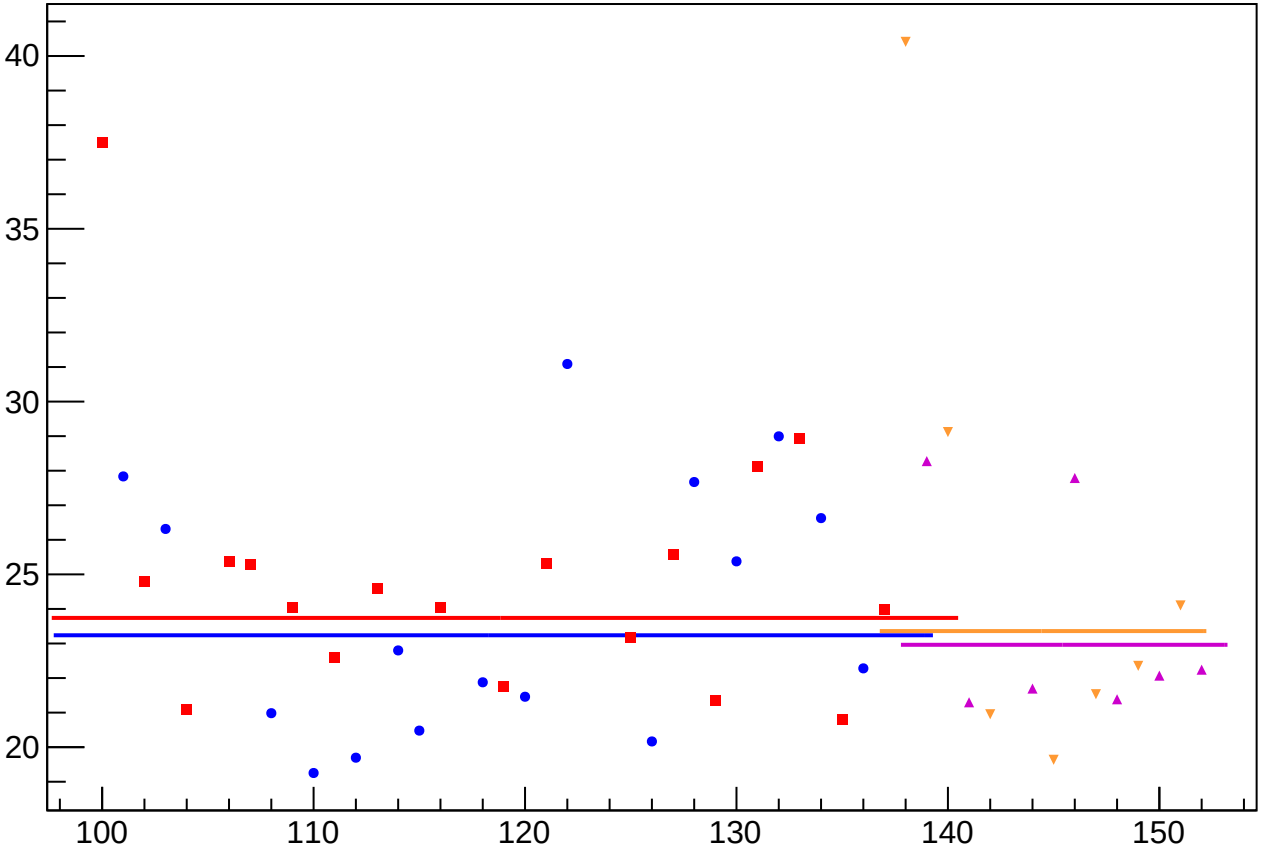
Left In: -0.009+/-0.010 χ^2/NDF:7.1/6

+ sign -0.000+/-0.007 χ^2/NDF: 12.9/22

All: -0.001+/-0.005 χ^2/NDF: 34.5/47

- sign -0.002+/-0.007 χ^2/NDF: 21.5/24

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: 23.359+/-0.008 χ^2/NDF:377450.5/6

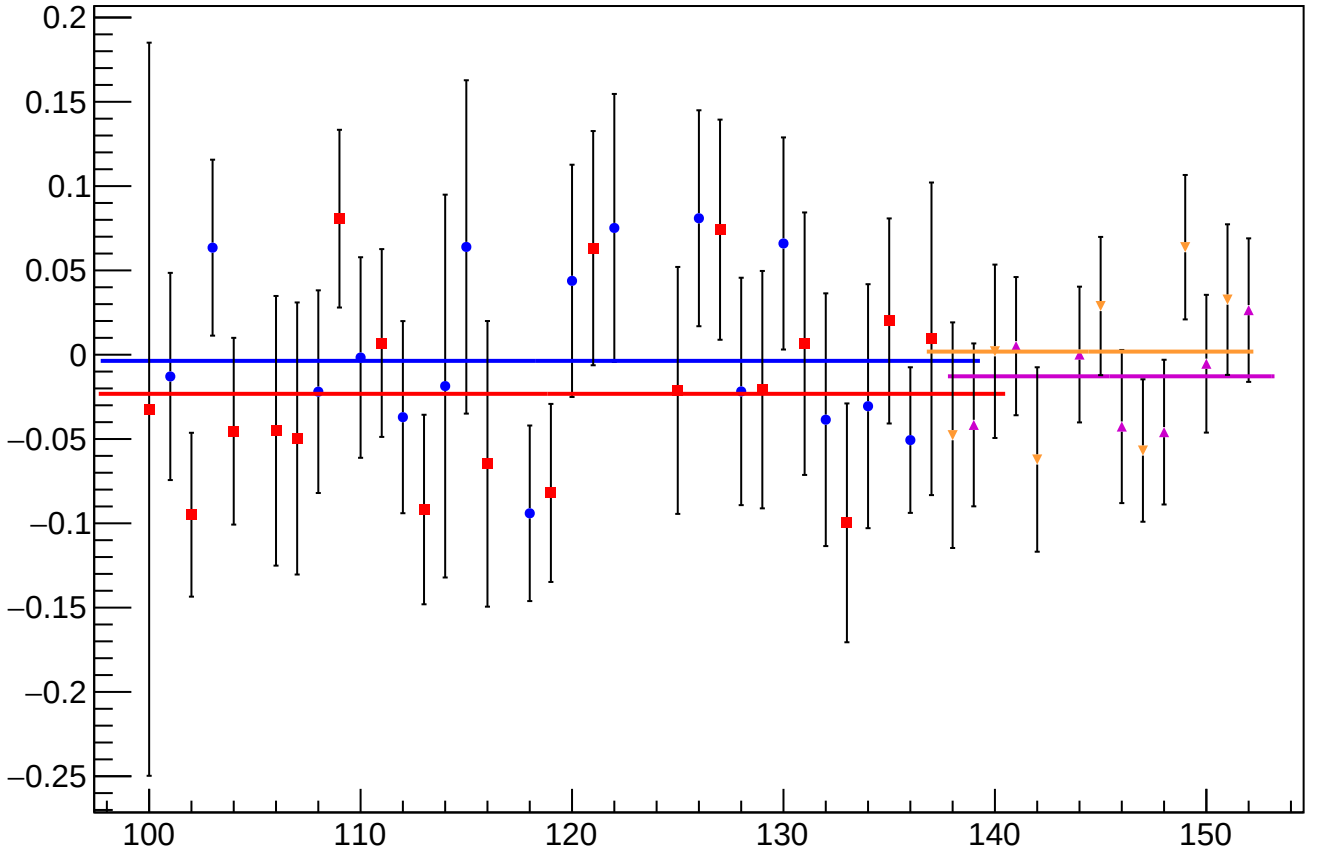
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 22.962+/-0.007 χ^2/NDF:130370.6/6

+ sign 23.289+/-0.005 χ^2/NDF: 636829.3/22

All: 23.333+/-0.003 χ^2/NDF: 900106.6/47

- sign 23.374+/-0.005 χ^2/NDF: 263126.0/24



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

Left Out: 0.002+/-0.018 χ^2/NDF:6.8/6

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

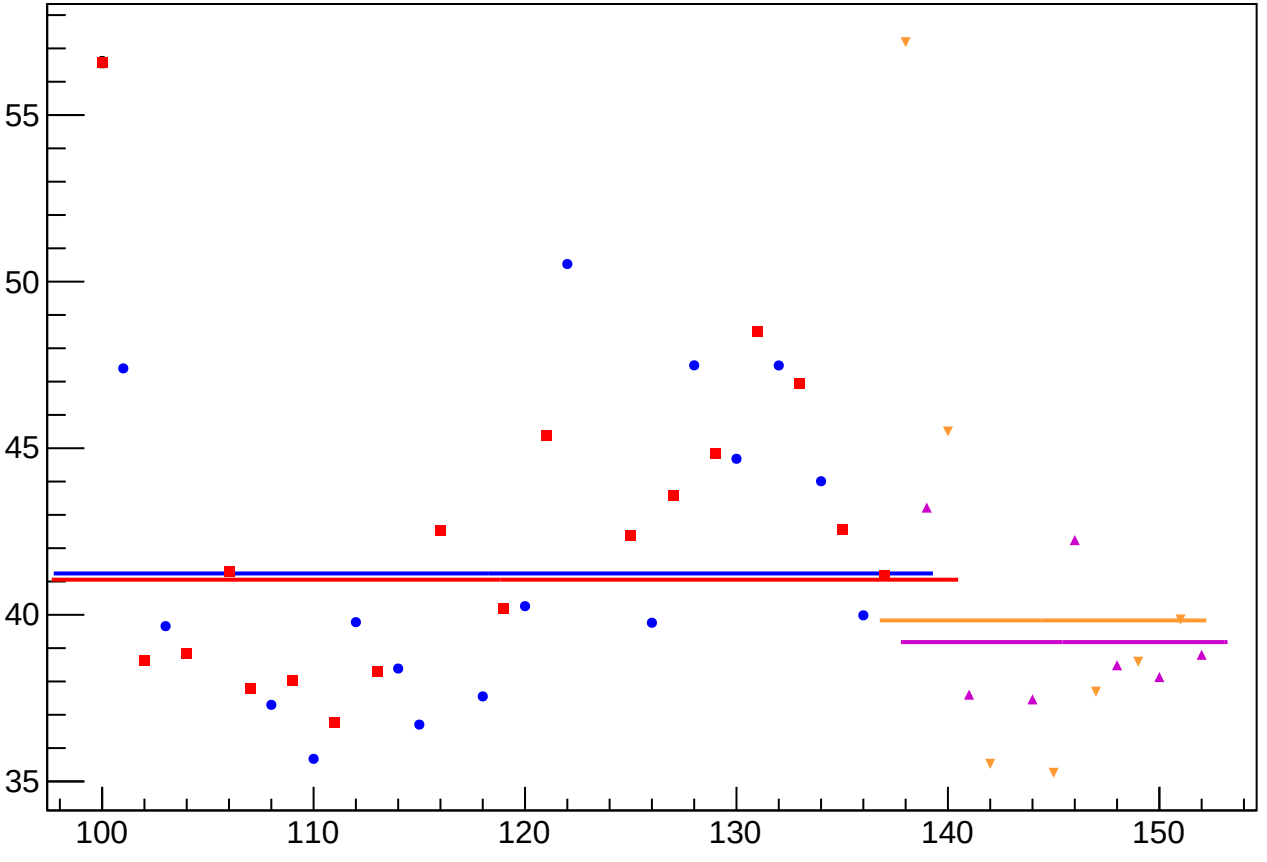
Left In: -0.013+/-0.016 χ^2/NDF:2.6/6

+ sign -0.001+/-0.012 χ^2/NDF: 18.6/22

All: -0.010+/-0.008 χ^2/NDF: 37.8/47

- sign -0.018+/-0.011 χ^2/NDF: 18.2/24

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: 39.831+/-0.013 χ^2/NDF:202957.3/6

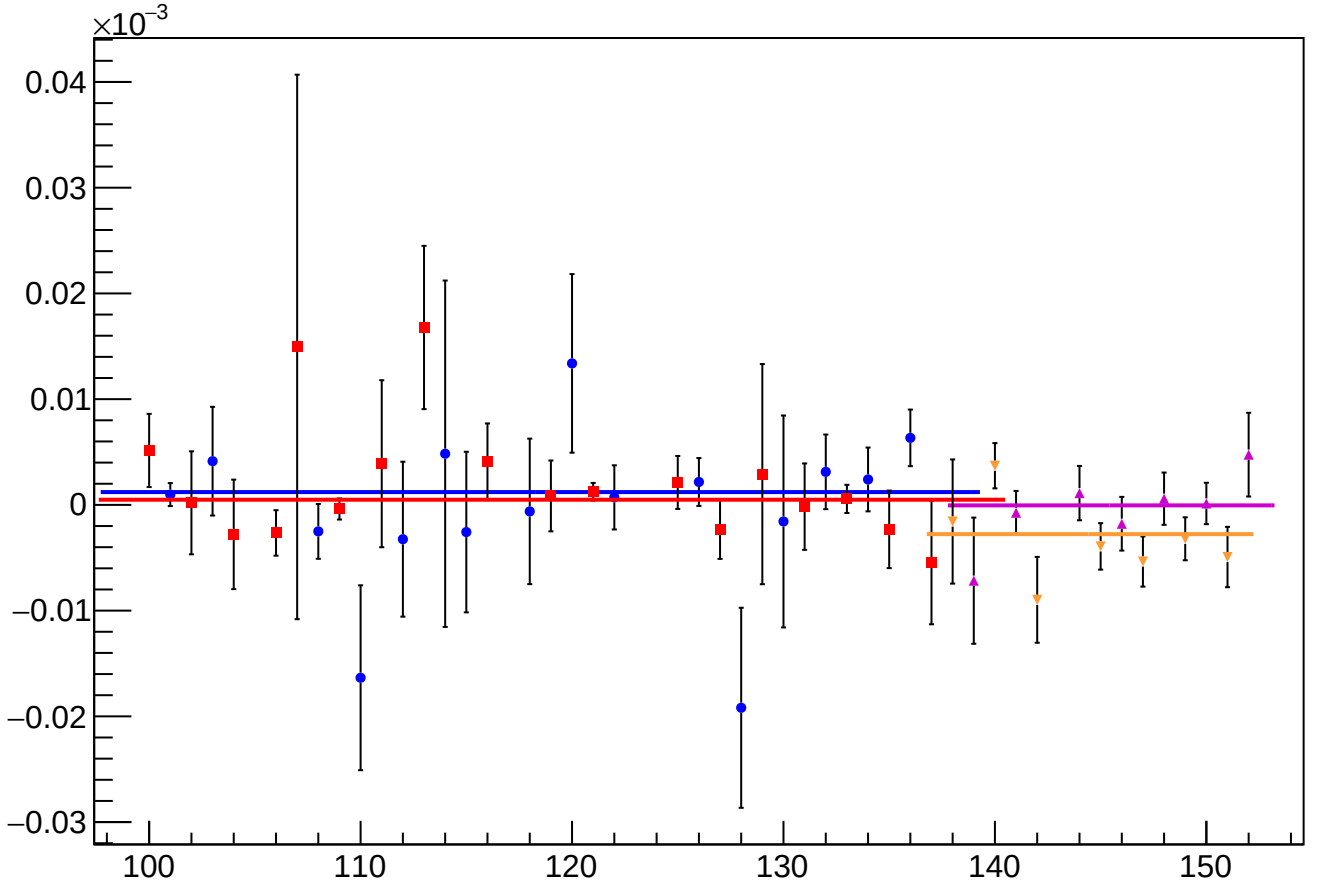
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 39.182+/-0.011 χ^2/NDF:31669.4/6

\+ sign 40.625+/-0.008 χ^2/NDF: 345259.8/22

All: 40.379+/-0.006 χ^2/NDF: 489110.1/47

\- sign 40.158+/-0.008 χ^2/NDF: 142201.7/24



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/6

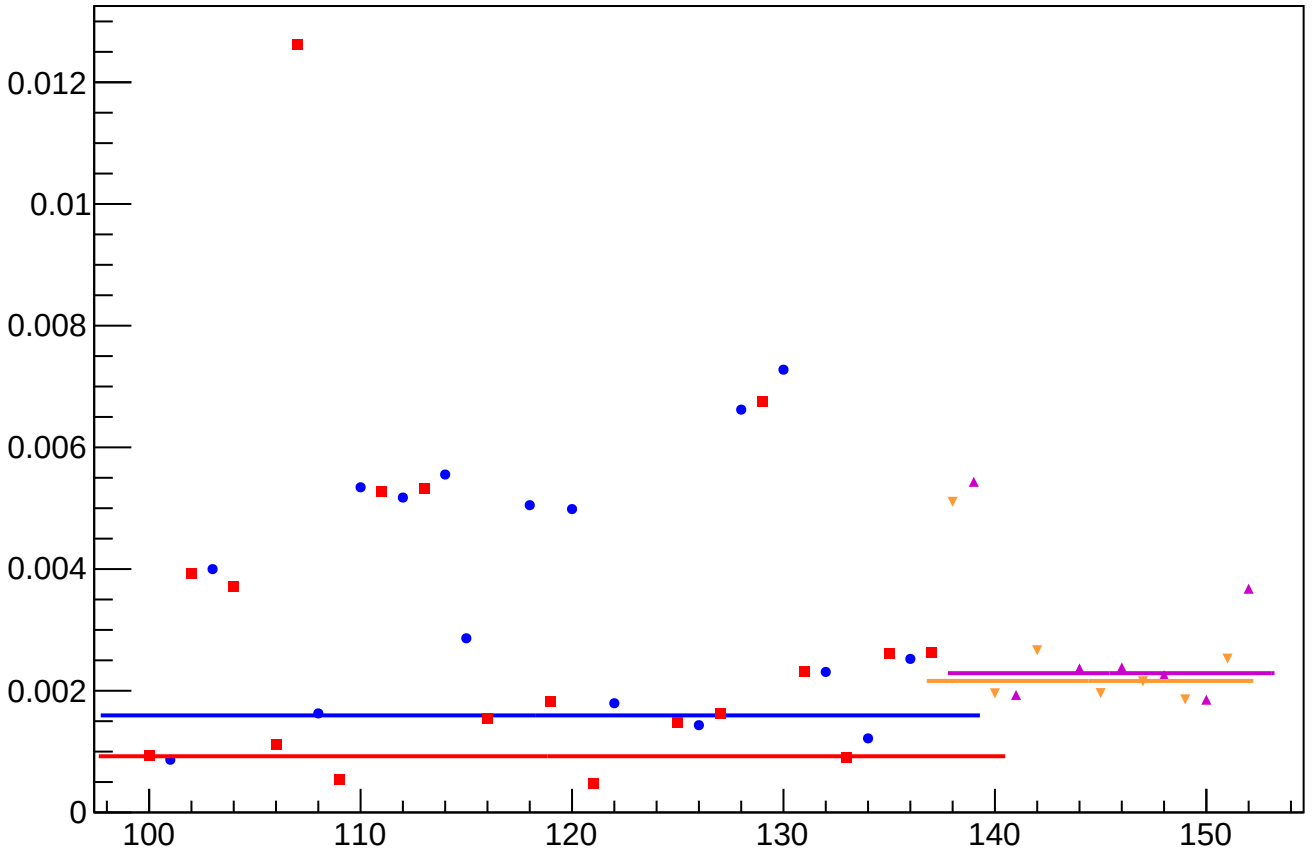
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: -0.000+/-0.000 χ^2/NDF:3.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/22

All: 0.000+/-0.000 χ^2/NDF: 62.2/47

- sign 0.000+/-0.000 χ^2/NDF: 19.0/24



Right In: 0.002+/-0.000 χ^2/NDF: 4762068.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:646114.4/6

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

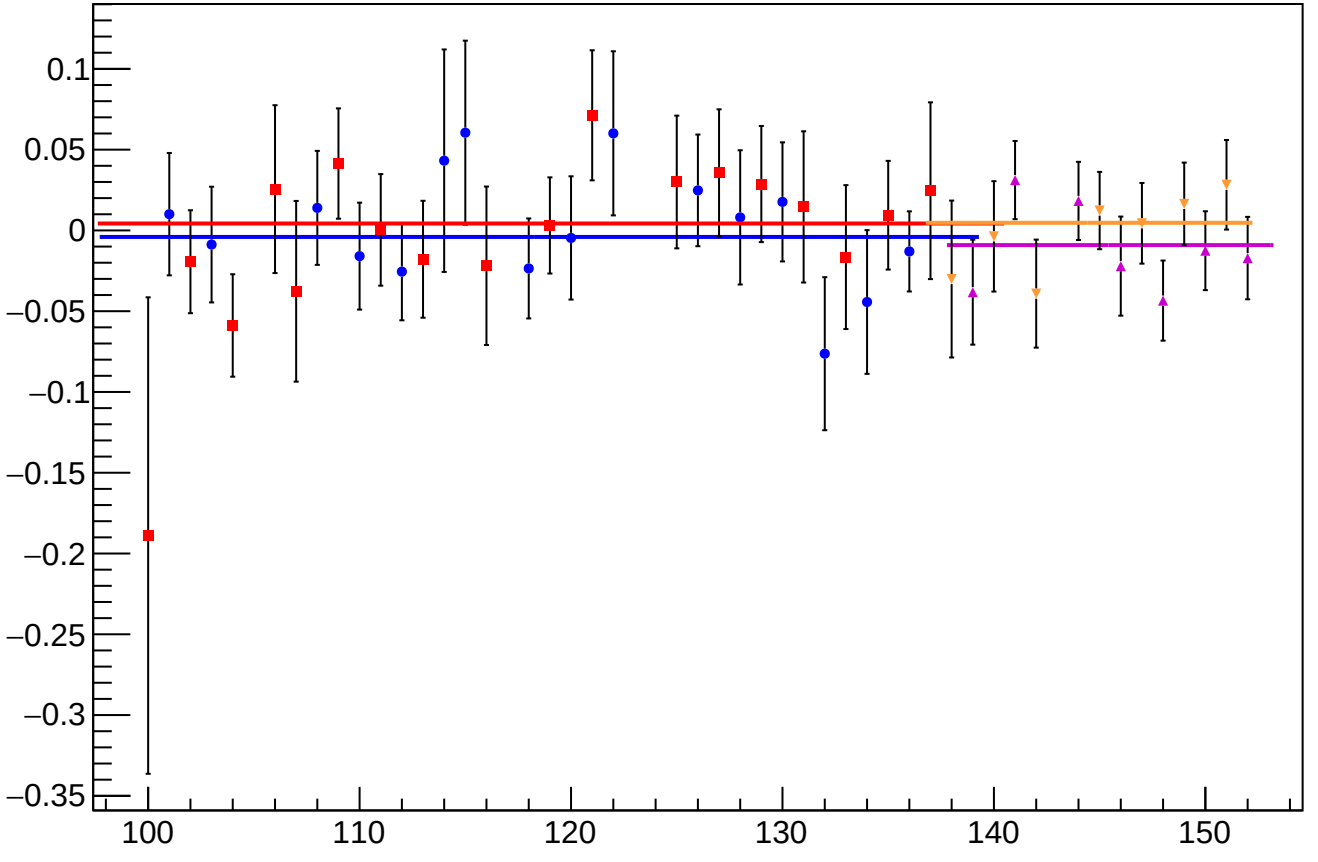
Left In: 0.002+/-0.000 χ^2/NDF:965957.0/6

+ sign 0.002+/-0.000 χ^2/NDF: 5833771.8/22

All: 0.001+/-0.000 χ^2/NDF: 17018812.0/47

- sign 0.001+/-0.000 χ^2/NDF: 9874482.8/24

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.005+/-0.011 χ^2/NDF:3.3/6

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

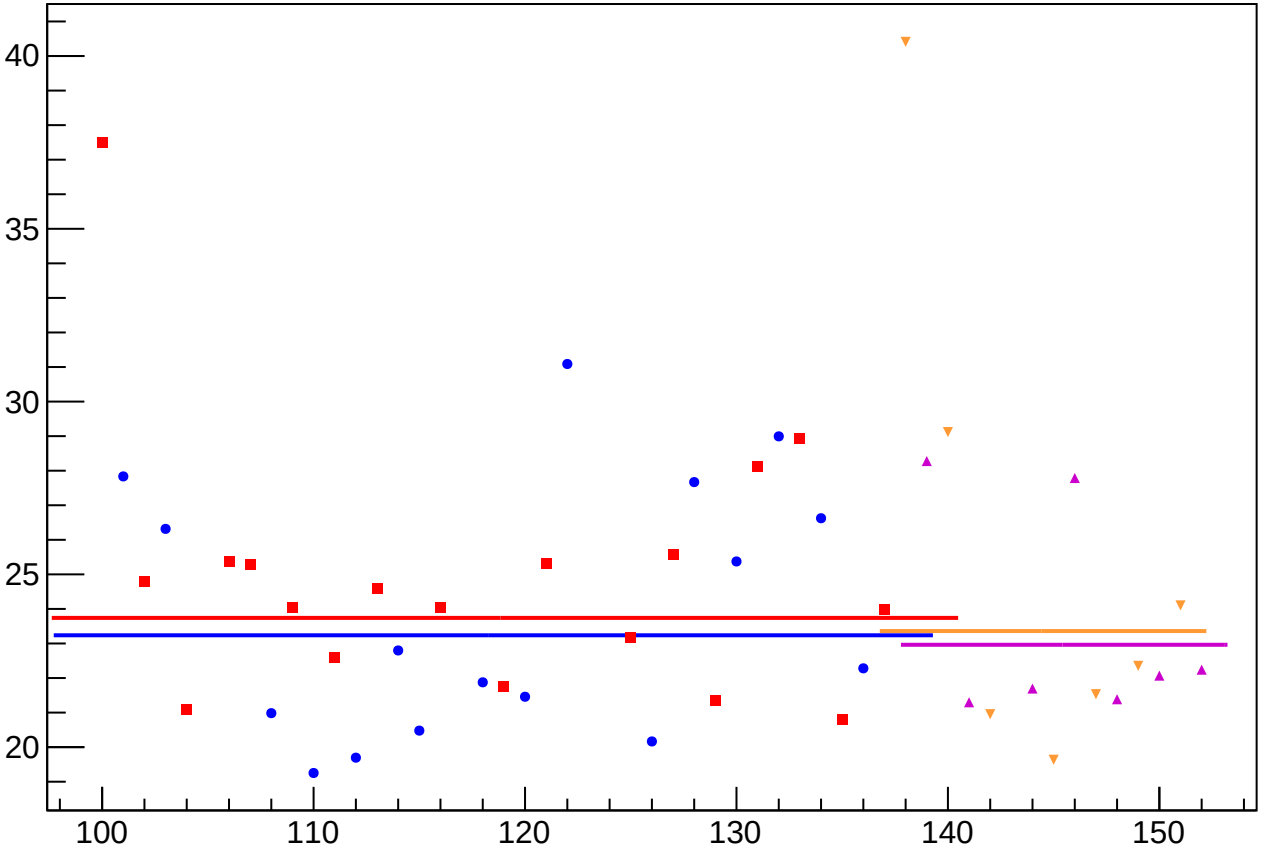
Left In: -0.009+/-0.010 χ^2/NDF:7.1/6

+ sign -0.000+/-0.007 χ^2/NDF: 12.9/22

All: -0.001+/-0.005 χ^2/NDF: 34.5/47

- sign -0.002+/-0.007 χ^2/NDF: 21.5/24

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: 23.359+/-0.008 χ^2/NDF:377444.7/6

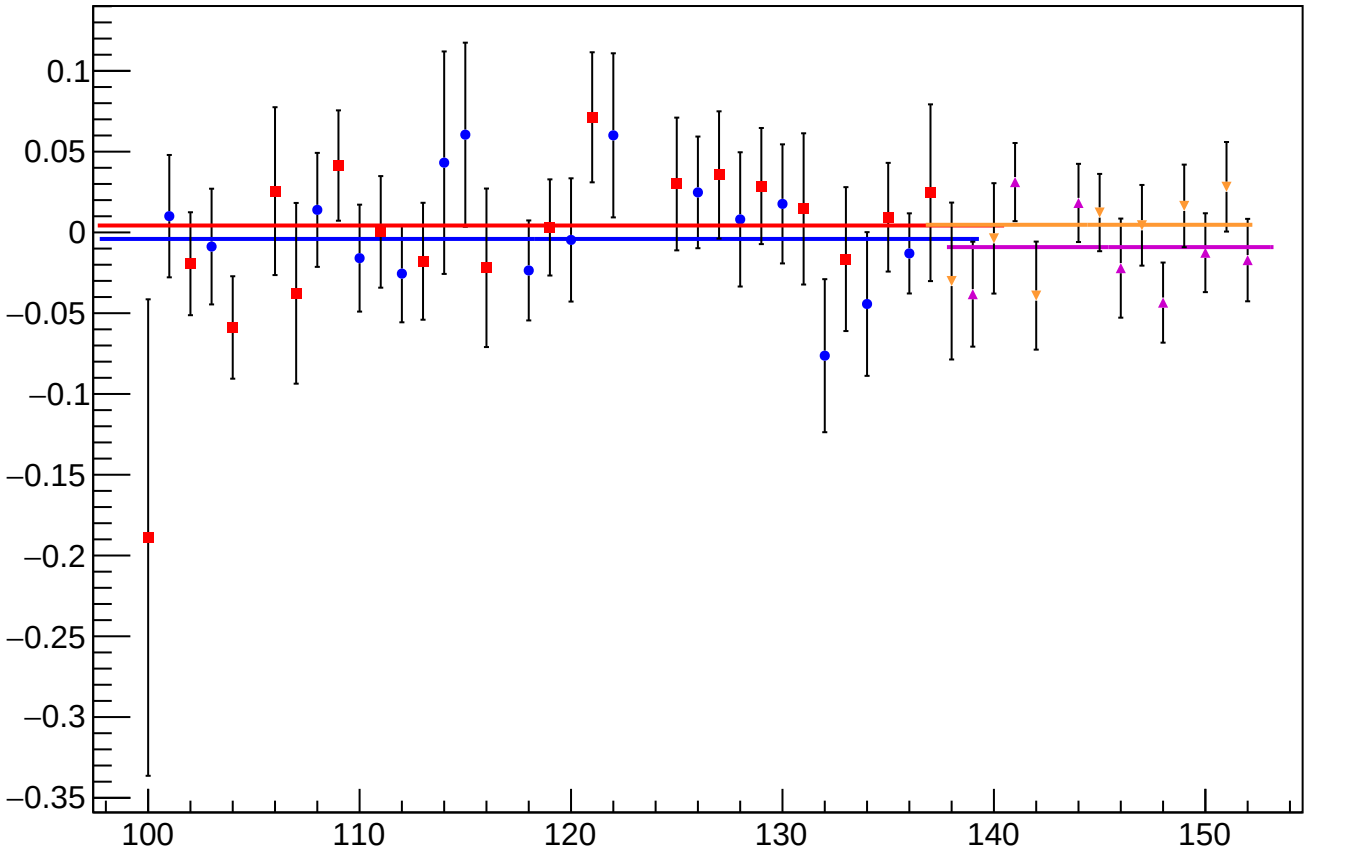
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.962+/-0.007 χ^2/NDF:130385.5/6

+ sign 23.288+/-0.005 χ^2/NDF: 636814.1/22

All: 23.333+/-0.003 χ^2/NDF: 900061.0/47

- sign 23.374+/-0.005 χ^2/NDF: 263094.1/24



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

Left Out: 0.005+/-0.011 χ^2/NDF:3.3/6

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

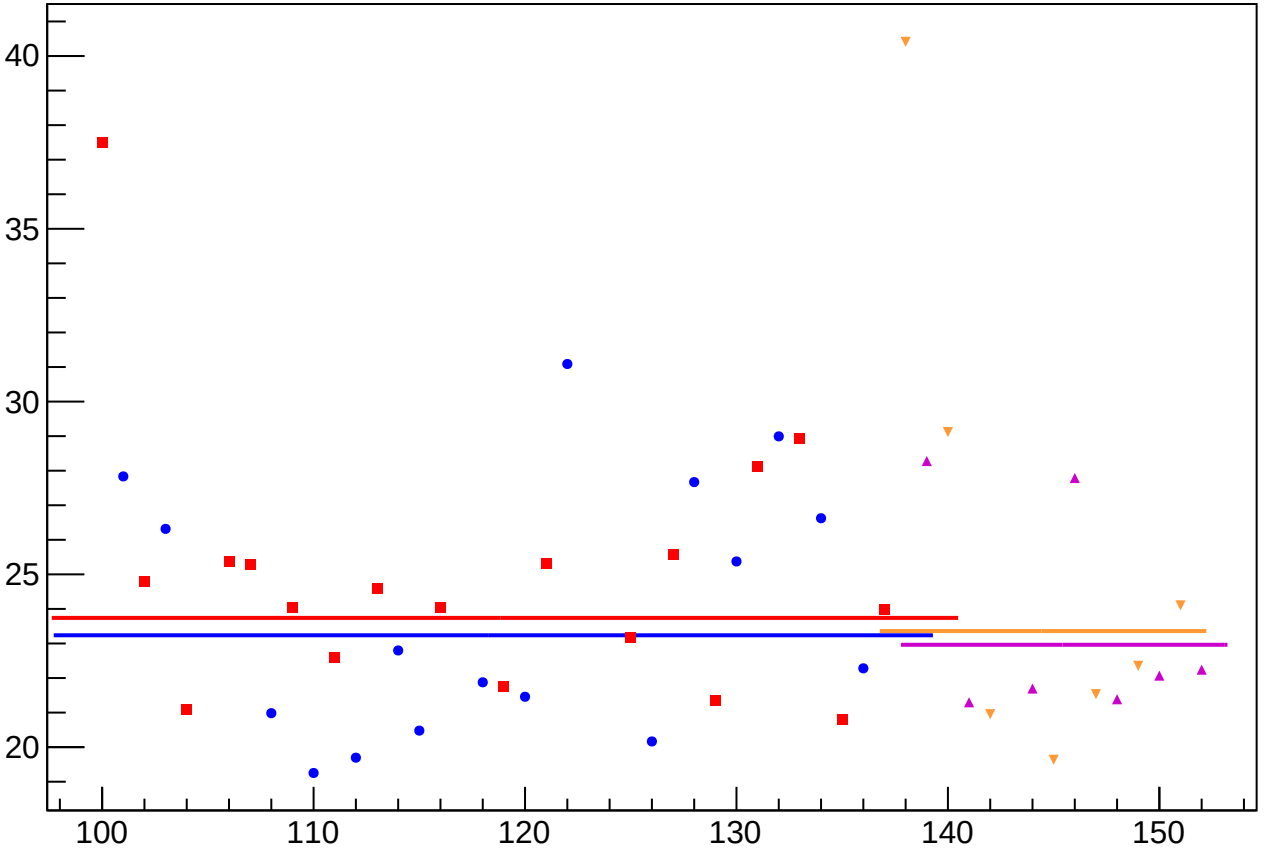
Left In: -0.009+/-0.010 χ^2/NDF:7.1/6

+ sign -0.000+/-0.007 χ^2/NDF: 12.9/22

All: -0.001+/-0.005 χ^2/NDF: 34.5/47

- sign -0.002+/-0.007 χ^2/NDF: 21.5/24

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 23.359+/-0.008 χ^2/NDF:377444.7/6

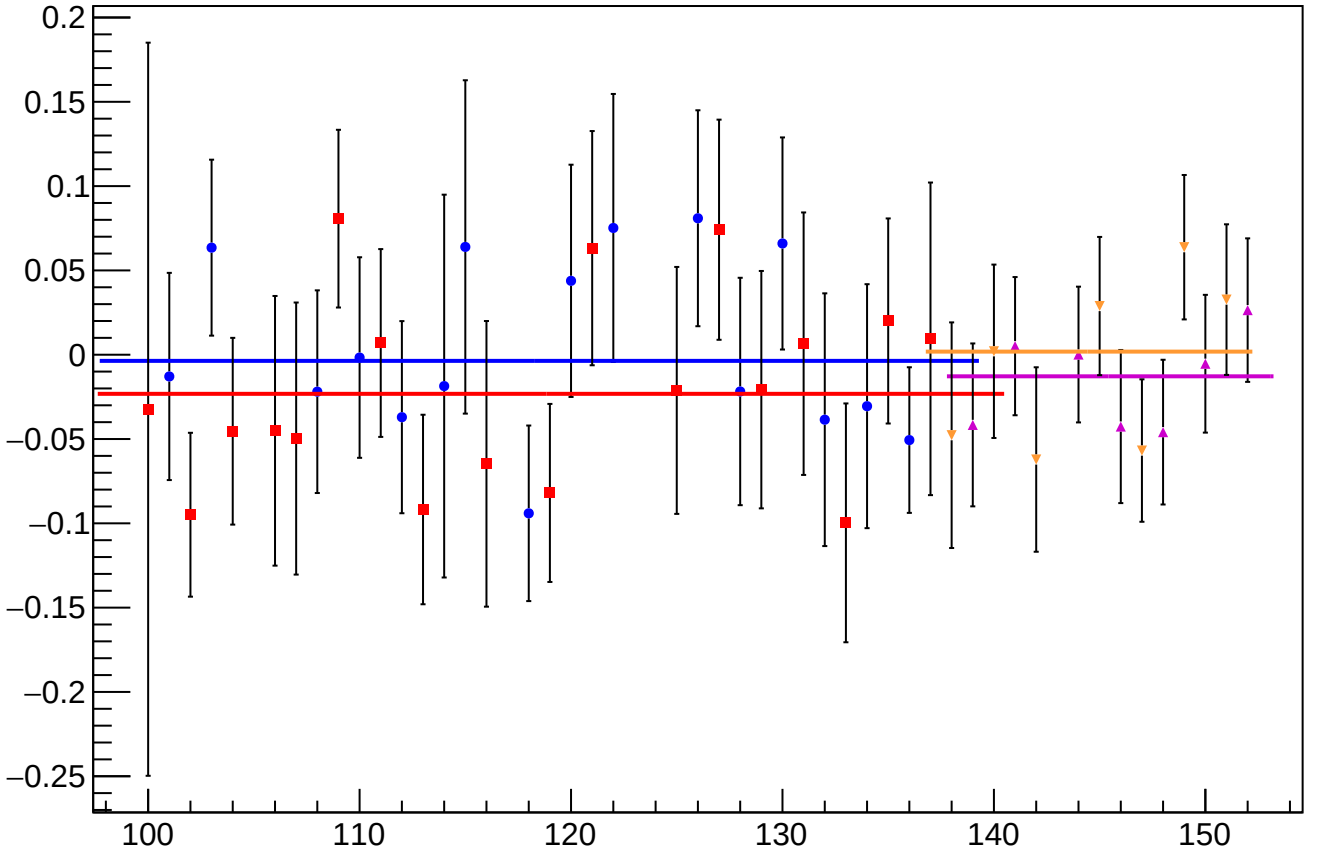
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.962+/-0.007 χ^2/NDF:130385.5/6

+ sign 23.288+/-0.005 χ^2/NDF: 636814.1/22

All: 23.333+/-0.003 χ^2/NDF: 900061.0/47

- sign 23.374+/-0.005 χ^2/NDF: 263094.1/24



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

Left Out: 0.002+/-0.018 χ^2/NDF:6.8/6

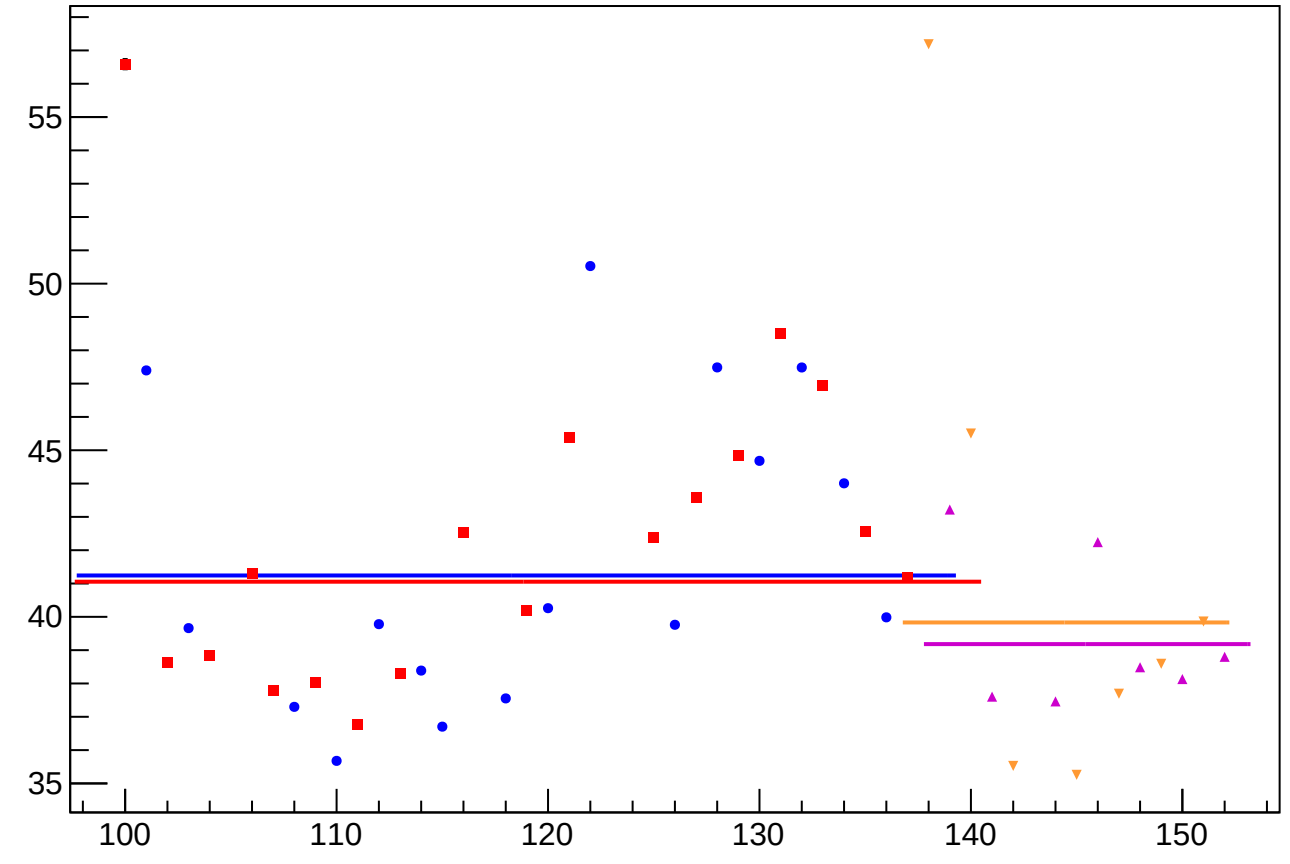
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.013+/-0.016 χ^2/NDF:2.6/6

+ sign -0.001+/-0.012 χ^2/NDF: 18.6/22

All: -0.010+/-0.008 χ^2/NDF: 37.8/47

- sign -0.018+/-0.011 χ^2/NDF: 18.2/24



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

Left Out: 39.832+/-0.013 χ^2/NDF:202957.0/6

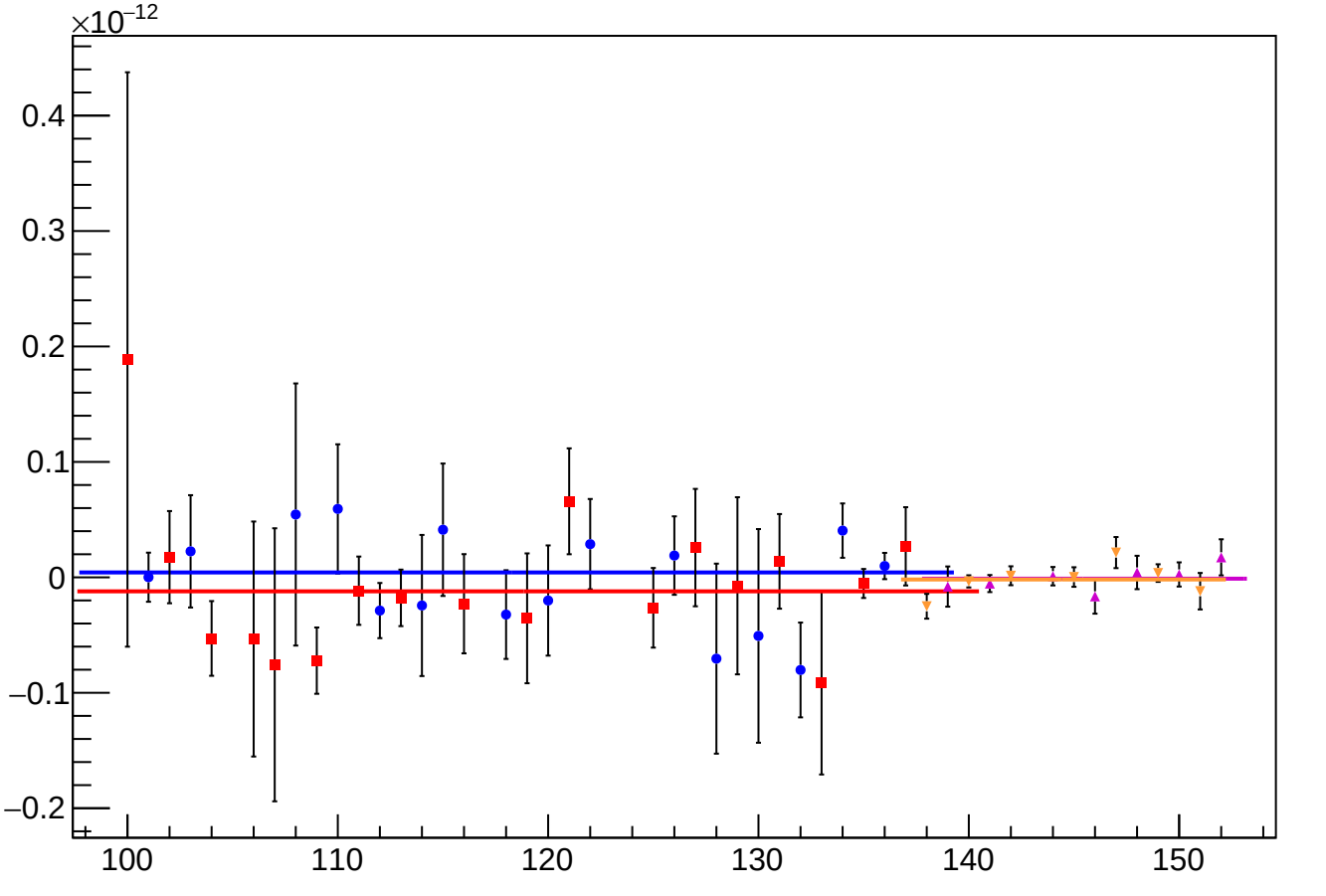
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 39.182+/-0.011 χ^2/NDF:31674.8/6

\+ sign 40.625+/-0.008 χ^2/NDF: 345234.4/22

All: 40.379+/-0.006 χ^2/NDF: 489076.6/47

\- sign 40.158+/-0.008 χ^2/NDF: 142194.4/24



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/6

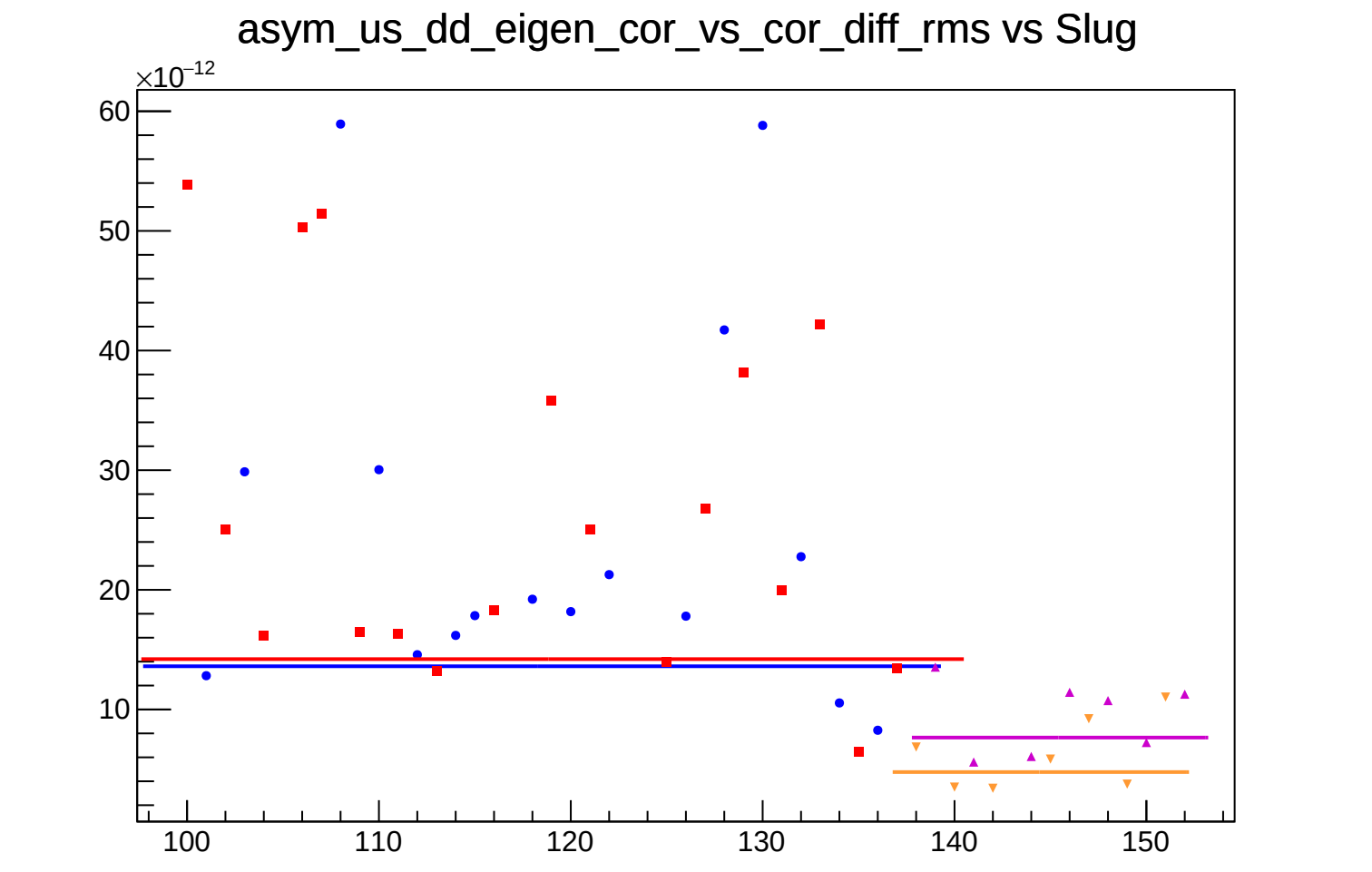
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:3.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/22

All: -0.000+/-0.000 χ^2/NDF: 42.8/47

- sign -0.000+/-0.000 χ^2/NDF: 19.4/24



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

Left Out: 0.000+/-0.000 χ^2/NDF:846790.6/6

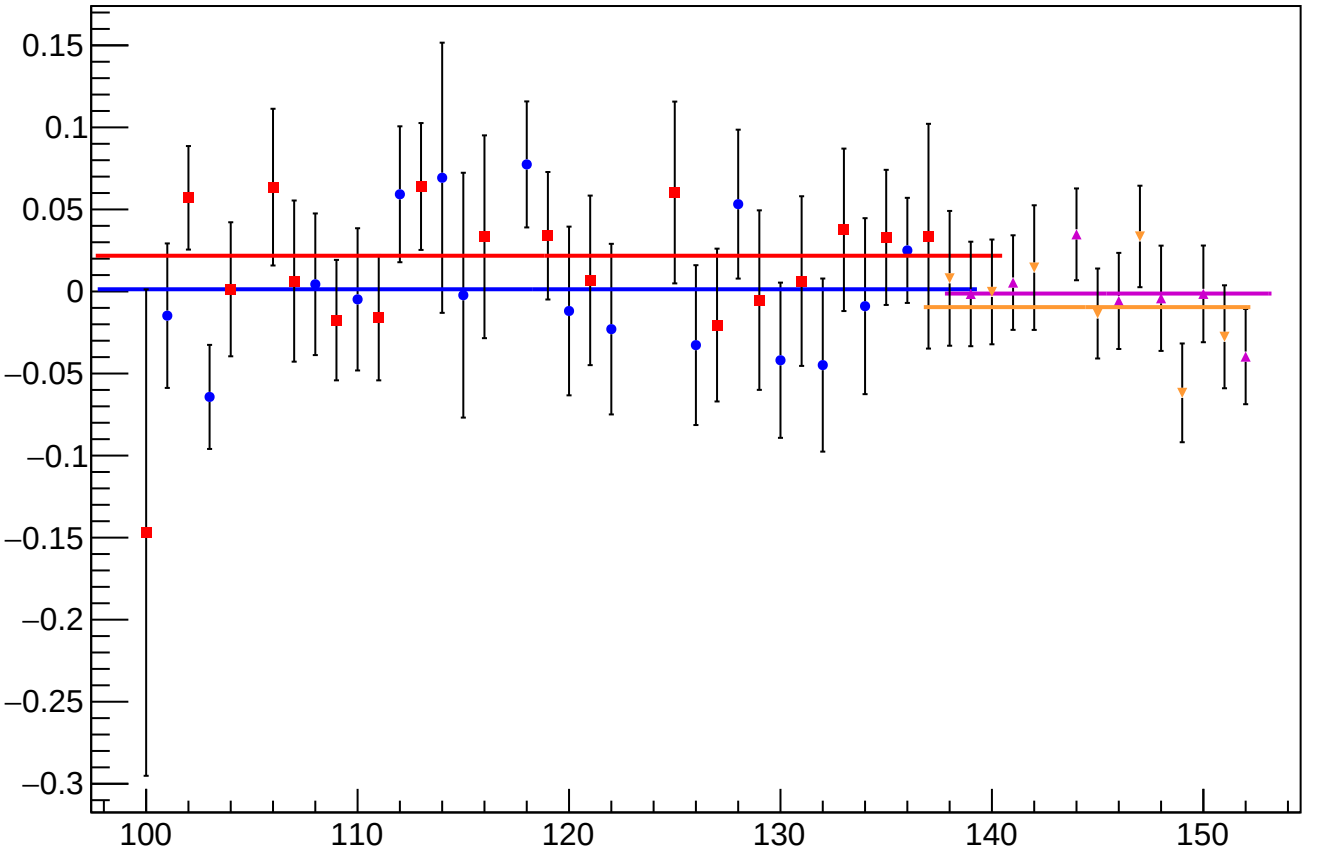
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:789211.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 5463619.2/22

All: 0.000+/-0.000 χ^2/NDF: 10632853.1/47

- sign 0.000+/-0.000 χ^2/NDF: 4371601.0/24



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

Left Out: -0.010+/-0.012 χ^2/NDF:6.0/6

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

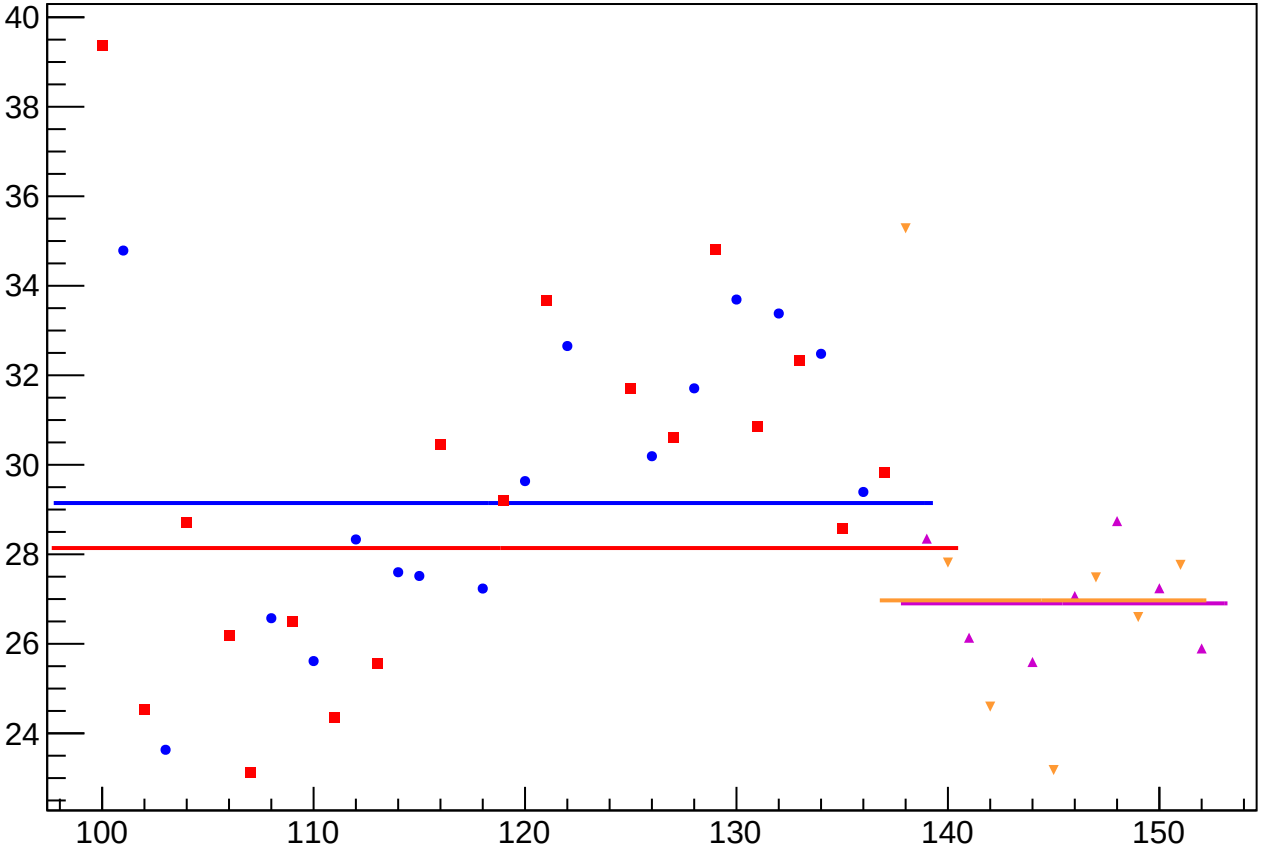
Left In: -0.001+/-0.011 χ^2/NDF:3.5/6

+ sign -0.004+/-0.008 χ^2/NDF: 21.7/22

All: 0.004+/-0.006 χ^2/NDF: 38.0/47

- sign 0.011+/-0.008 χ^2/NDF: 14.7/24

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: 26.971+/-0.009 χ^2/NDF:131539.7/6

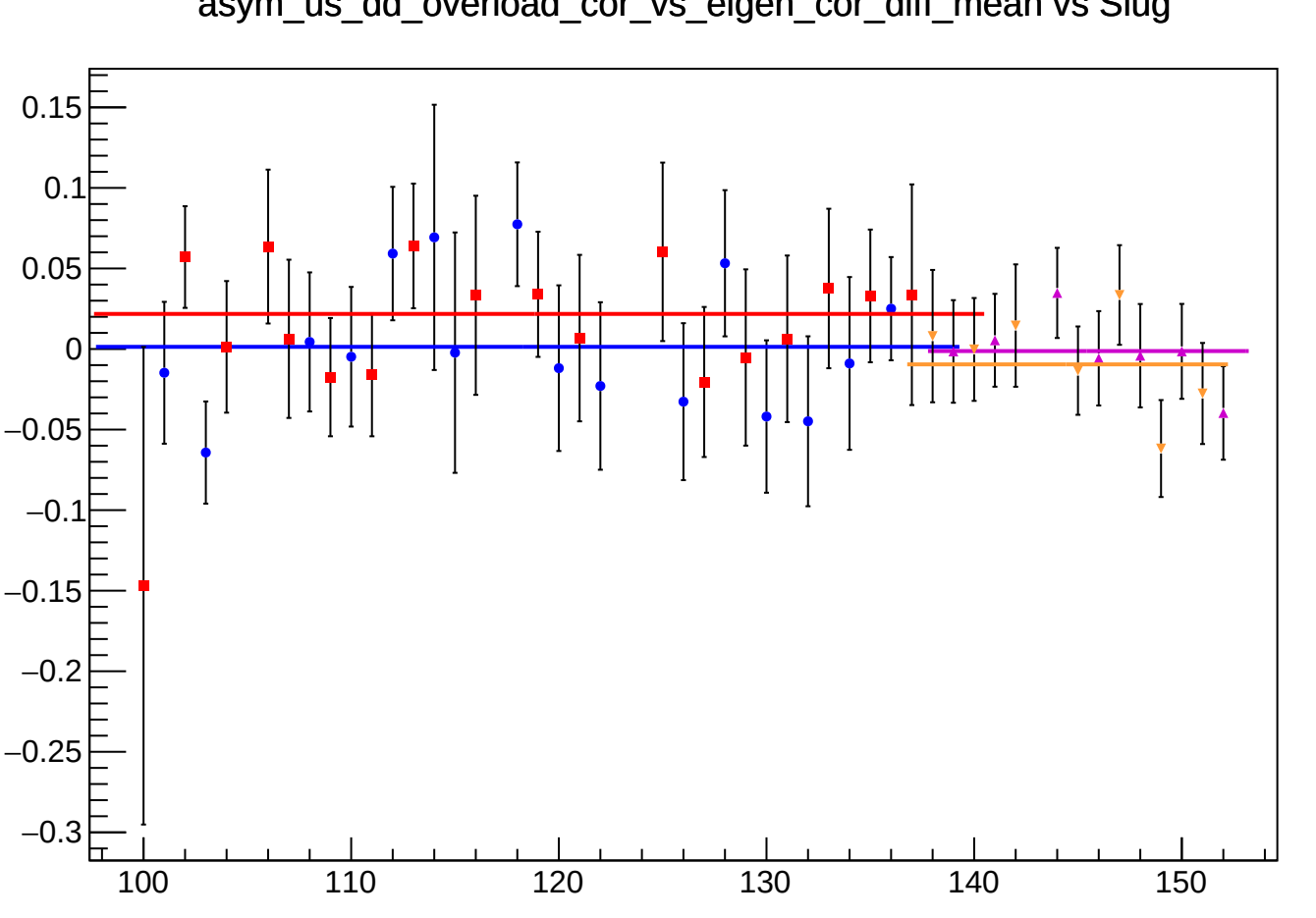
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 26.904+/-0.008 χ^2/NDF:19239.5/6

+ sign 28.146+/-0.006 χ^2/NDF: 343013.2/22

All: 27.829+/-0.004 χ^2/NDF: 567580.6/47

- sign 27.547+/-0.005 χ^2/NDF: 218969.2/24



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

Left Out: -0.010+/-0.012 χ^2/NDF:6.0/6

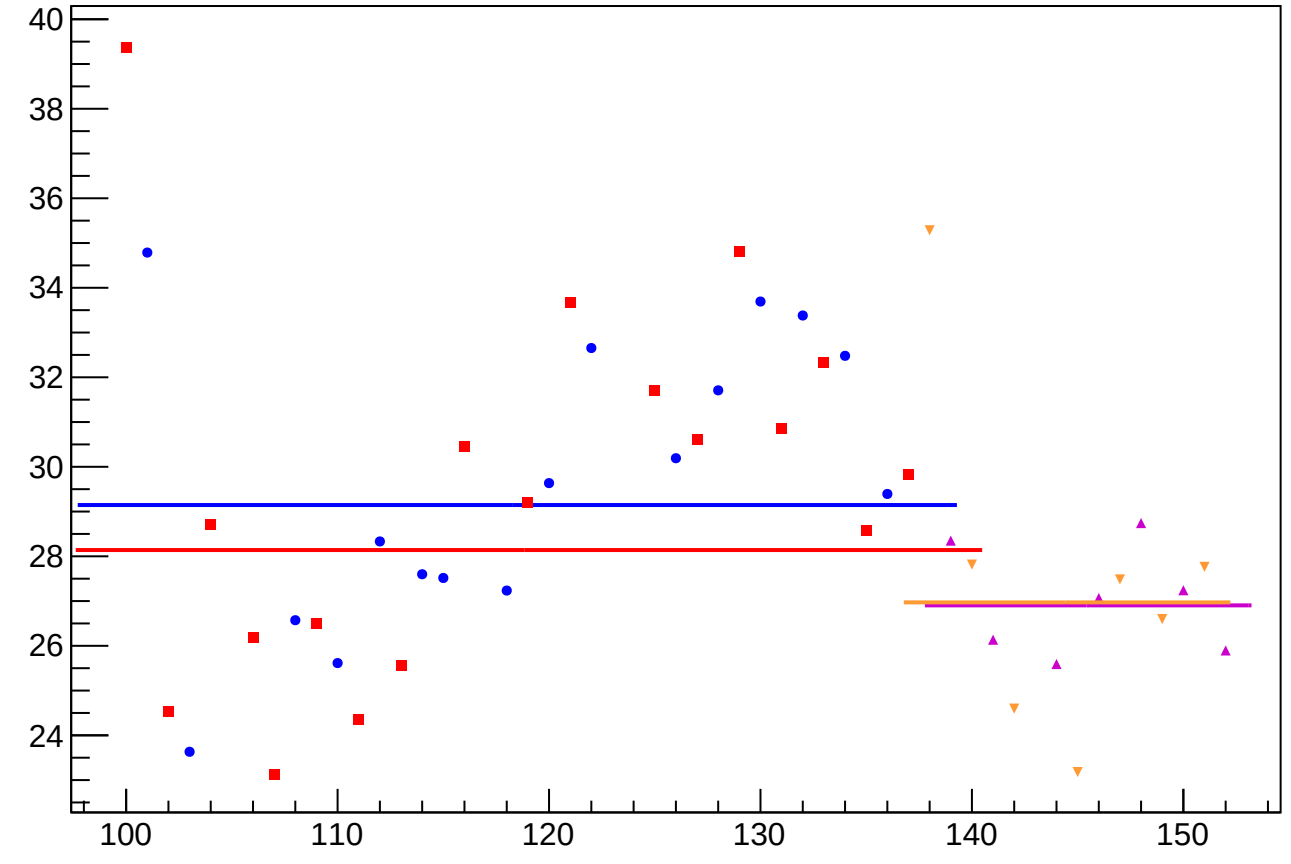
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.001+/-0.011 χ^2/NDF:3.5/6

+ sign -0.004+/-0.008 χ^2/NDF: 21.7/22

All: 0.004+/-0.006 χ^2/NDF: 38.0/47

- sign 0.011+/-0.008 χ^2/NDF: 14.7/24



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

Left Out: 26.971+/-0.009 χ^2/NDF:131539.7/6

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

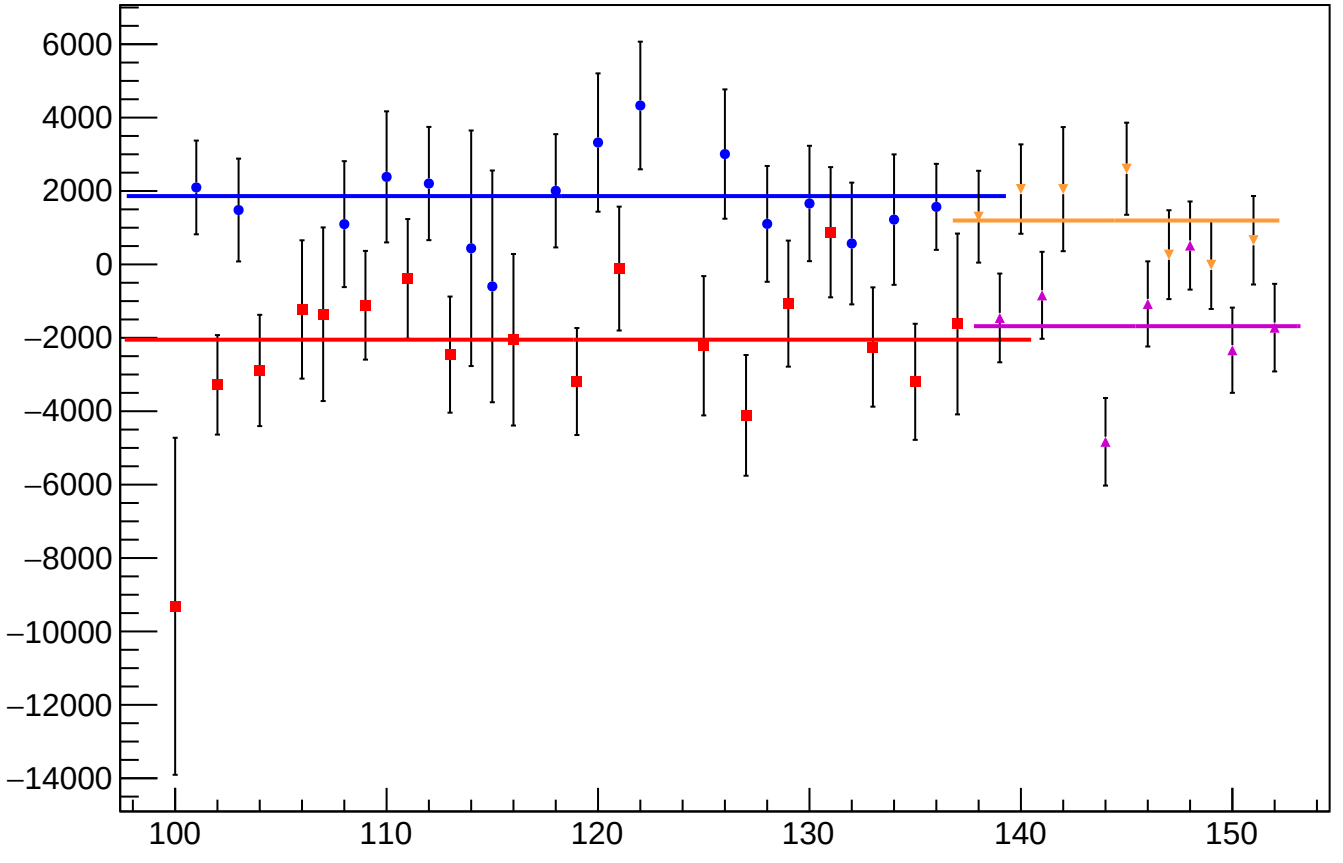
Left In: 26.904+/-0.008 χ^2/NDF:19239.5/6

+ sign 28.146+/-0.006 χ^2/NDF: 343013.2/22

All: 27.829+/-0.004 χ^2/NDF: 567580.6/47

- sign 27.547+/-0.005 χ^2/NDF: 218969.2/24

reg_asym_usl_mean vs Slug



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

Left Out: 1196.401+/-479.026 χ^2/NDF:3.8/6

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

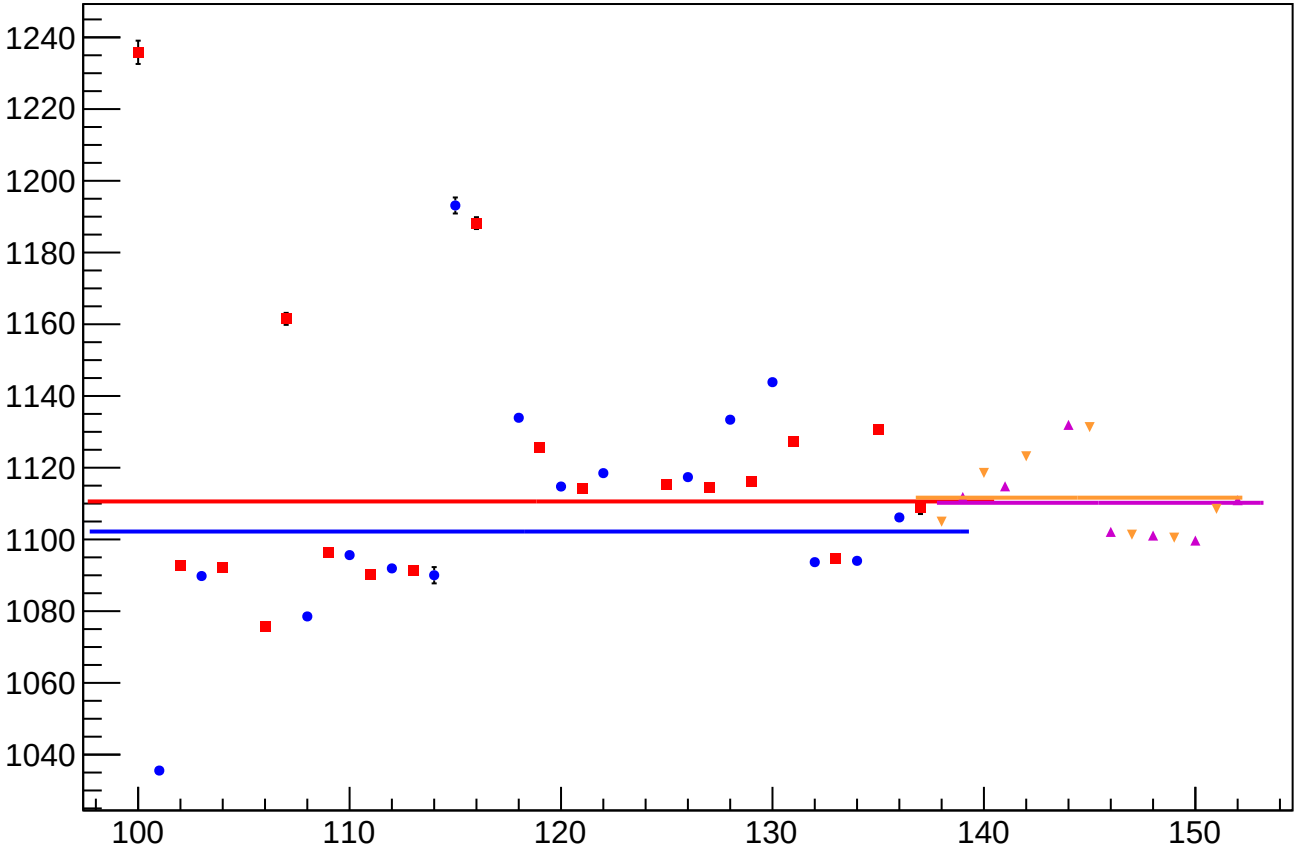
Left In: -1682.850+/-448.101 χ^2/NDF:11.5/6

+ sign 1580.672+/-311.277 χ^2/NDF: 10.3/22

All: -202.730+/-216.820 χ^2/NDF: 98.4/47

- sign -1883.488+/-302.186 χ^2/NDF: 24.4/24

reg_asym_usl_rms vs Slug



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

Left Out: 1111.647+/-0.339 χ^2/NDF:1036.0/6

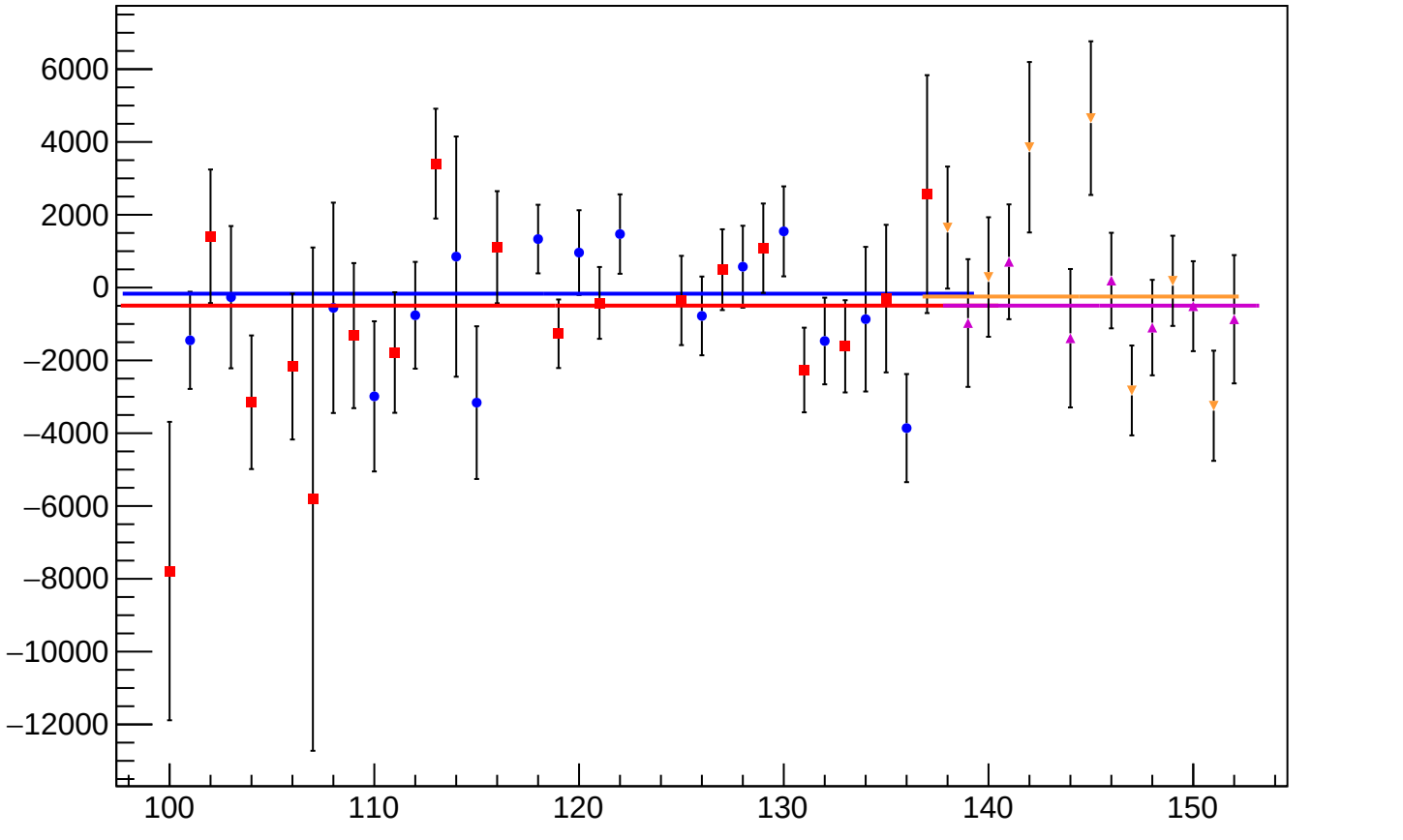
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1110.216+/-0.317 χ^2/NDF:1076.2/6

+ sign 1106.192+/-0.220 χ^2/NDF: 12833.9/22

All: 1108.369+/-0.153 χ^2/NDF: 21796.9/47

- sign 1110.421+/-0.214 χ^2/NDF: 8773.0/24



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

Left Out: -246.146+/-589.467 χ^2/NDF:18.3/6

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

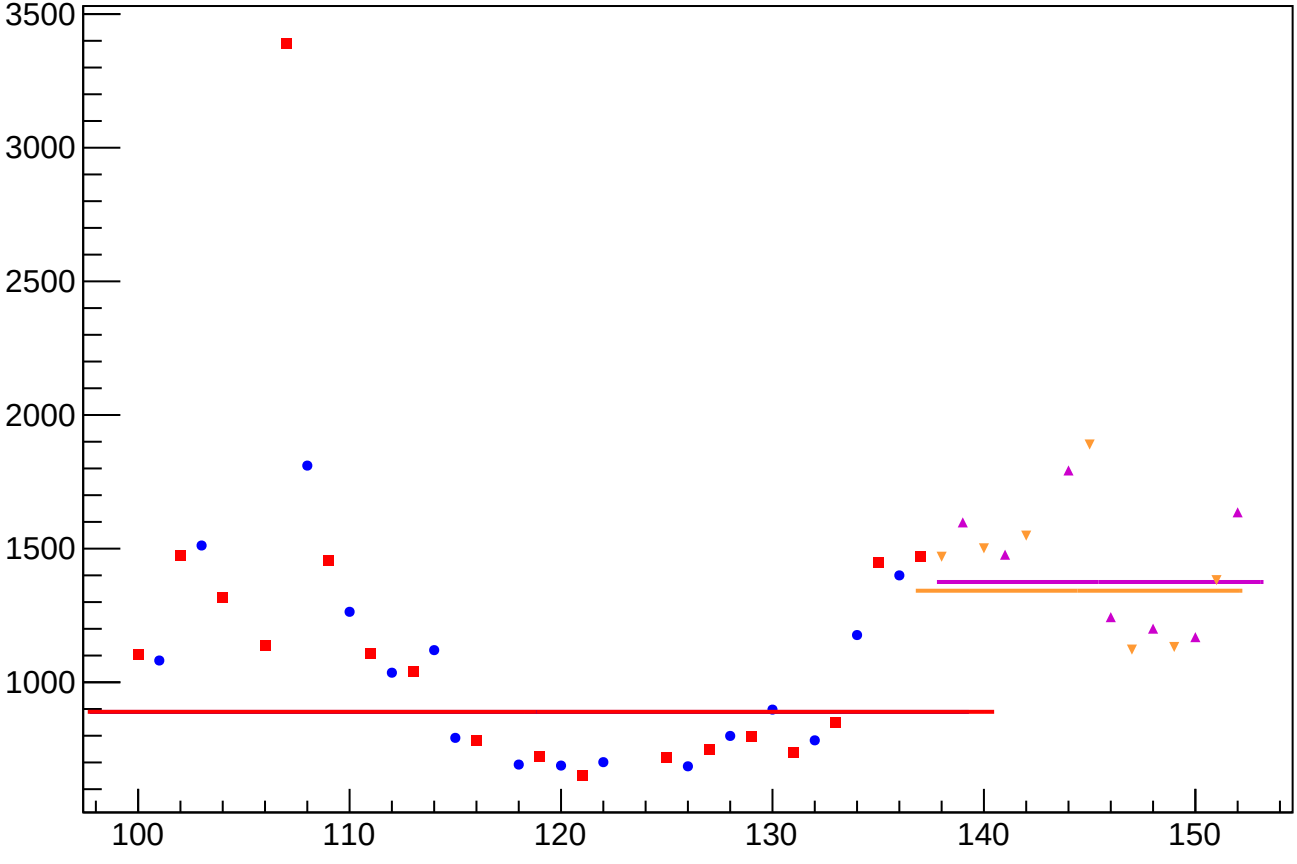
Left In: -495.919+/-564.131 χ^2/NDF:1.4/6

+ sign -187.896+/-298.035 χ^2/NDF: 39.3/22

All: -343.545+/-209.430 χ^2/NDF: 64.5/47

- sign -495.376+/-294.357 χ^2/NDF: 24.7/24

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1342.545+/-0.417 χ^2/NDF:302806.2/6

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

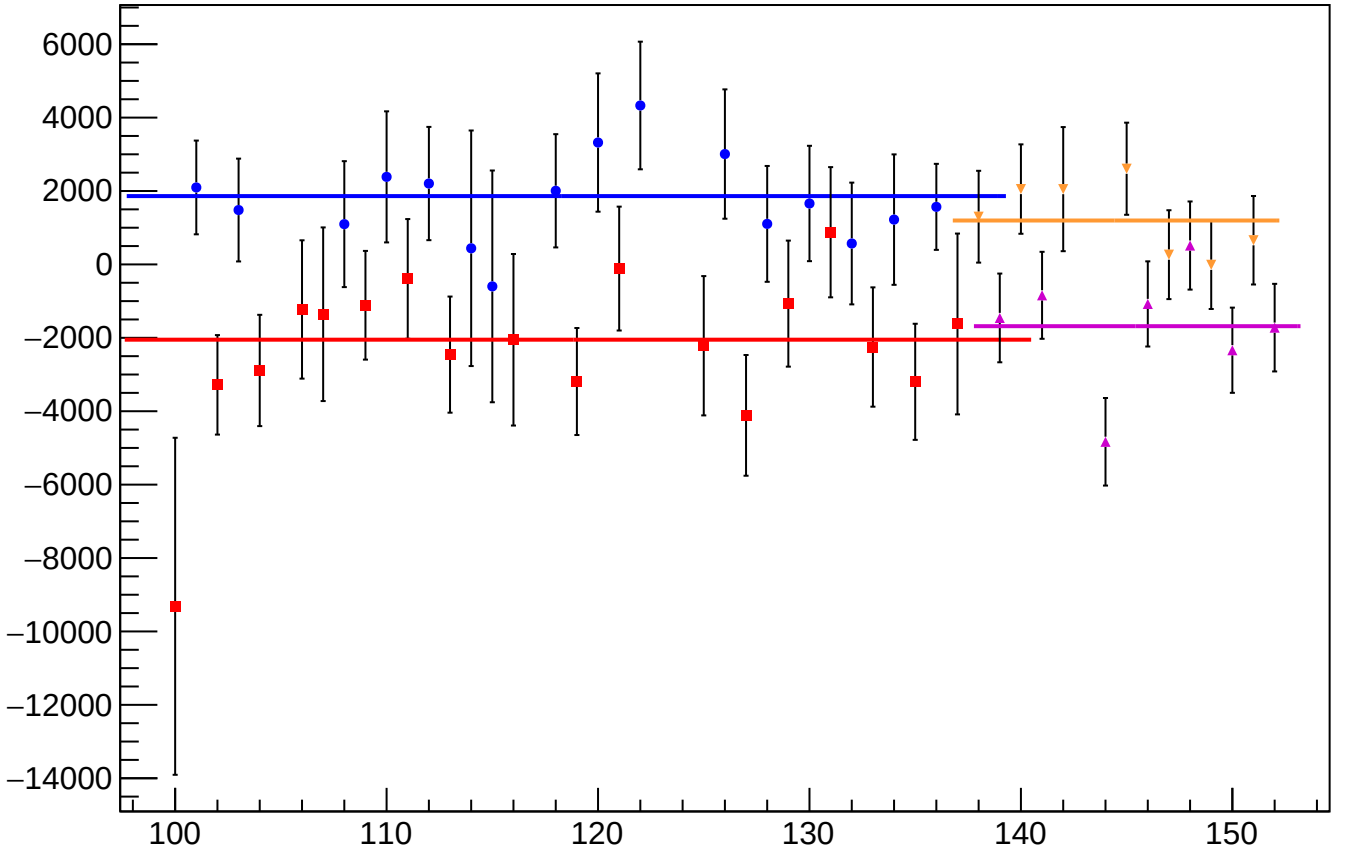
Left In: 1375.192+/-0.399 χ^2/NDF:292048.9/6

+ sign 1004.908+/-0.211 χ^2/NDF: 2317074.6/22

All: 1013.419+/-0.148 χ^2/NDF: 5037059.2/47

- sign 1021.720+/-0.208 χ^2/NDF: 2716763.0/24

cor_asym_usl_mean vs Slug



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

Left Out: 1196.401+/-479.026 χ^2/NDF:3.8/6

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

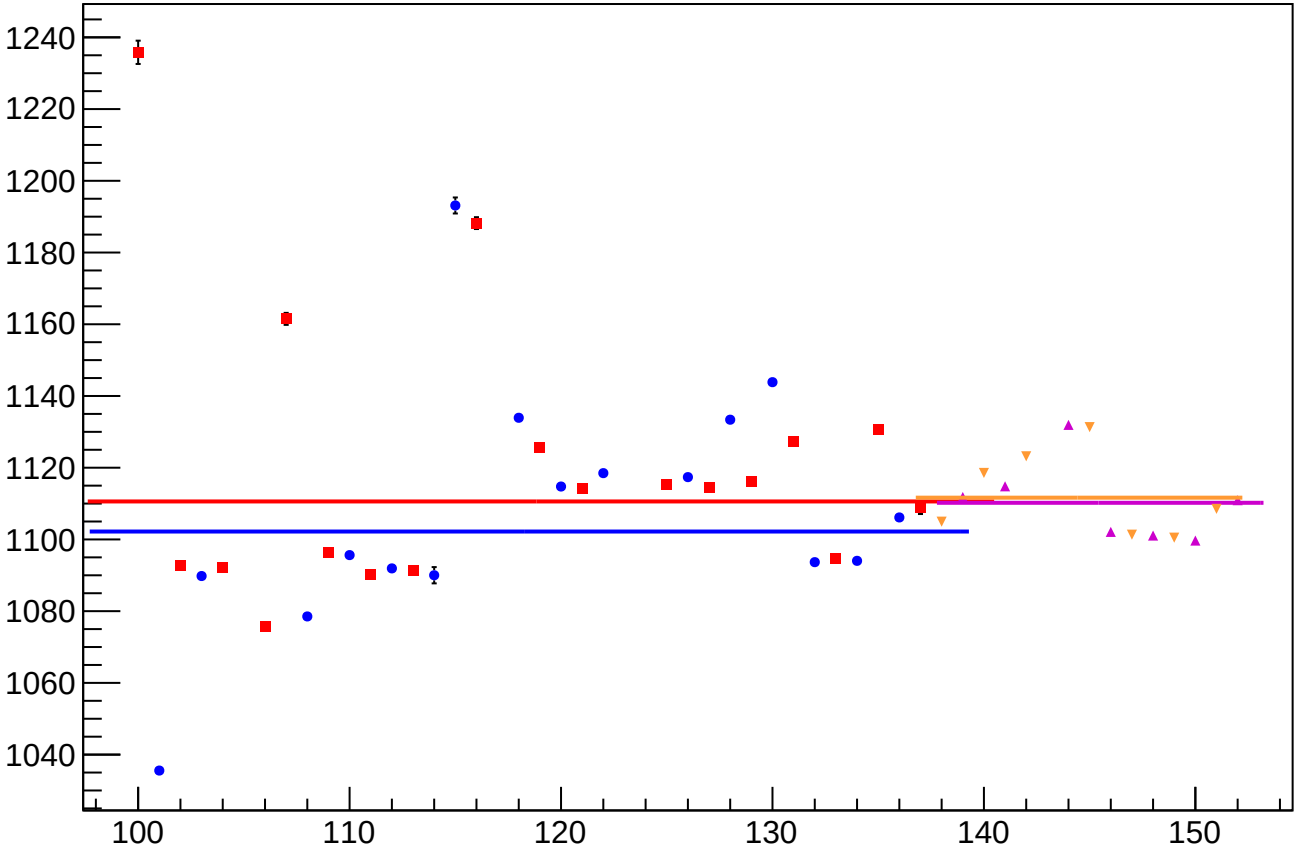
Left In: -1682.850+/-448.101 χ^2/NDF:11.5/6

+ sign 1580.672+/-311.277 χ^2/NDF: 10.3/22

All: -202.730+/-216.820 χ^2/NDF: 98.4/47

- sign -1883.488+/-302.186 χ^2/NDF: 24.4/24

cor_asym_usl_rms vs Slug



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

Left Out: 1111.647+/-0.339 χ^2/NDF:1036.0/6

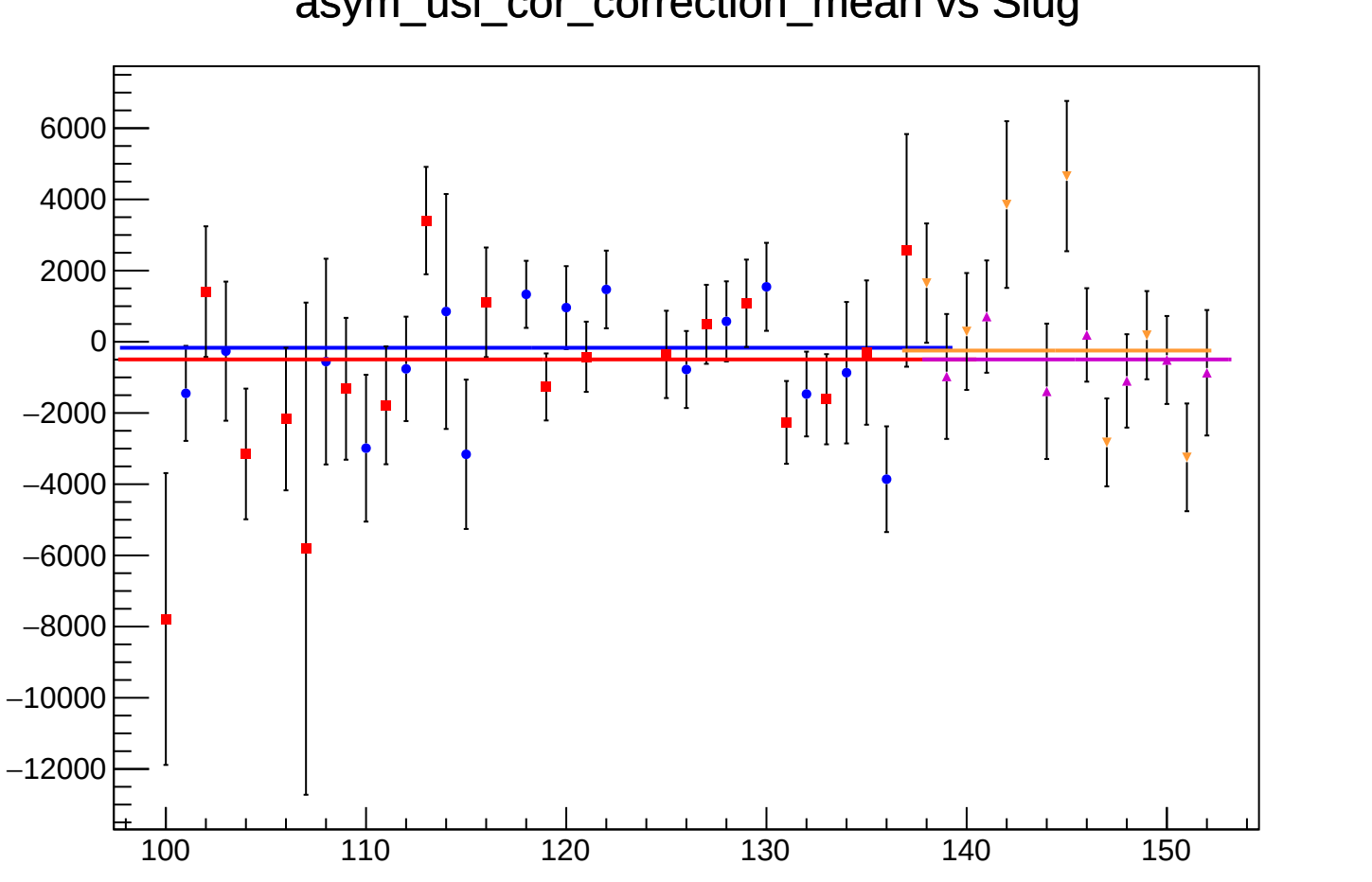
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1110.216+/-0.317 χ^2/NDF:1076.2/6

+ sign 1106.192+/-0.220 χ^2/NDF: 12833.9/22

All: 1108.369+/-0.153 χ^2/NDF: 21796.9/47

- sign 1110.421+/-0.214 χ^2/NDF: 8773.0/24



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

Left Out: -246.146+/-589.467 χ^2/NDF:18.3/6

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

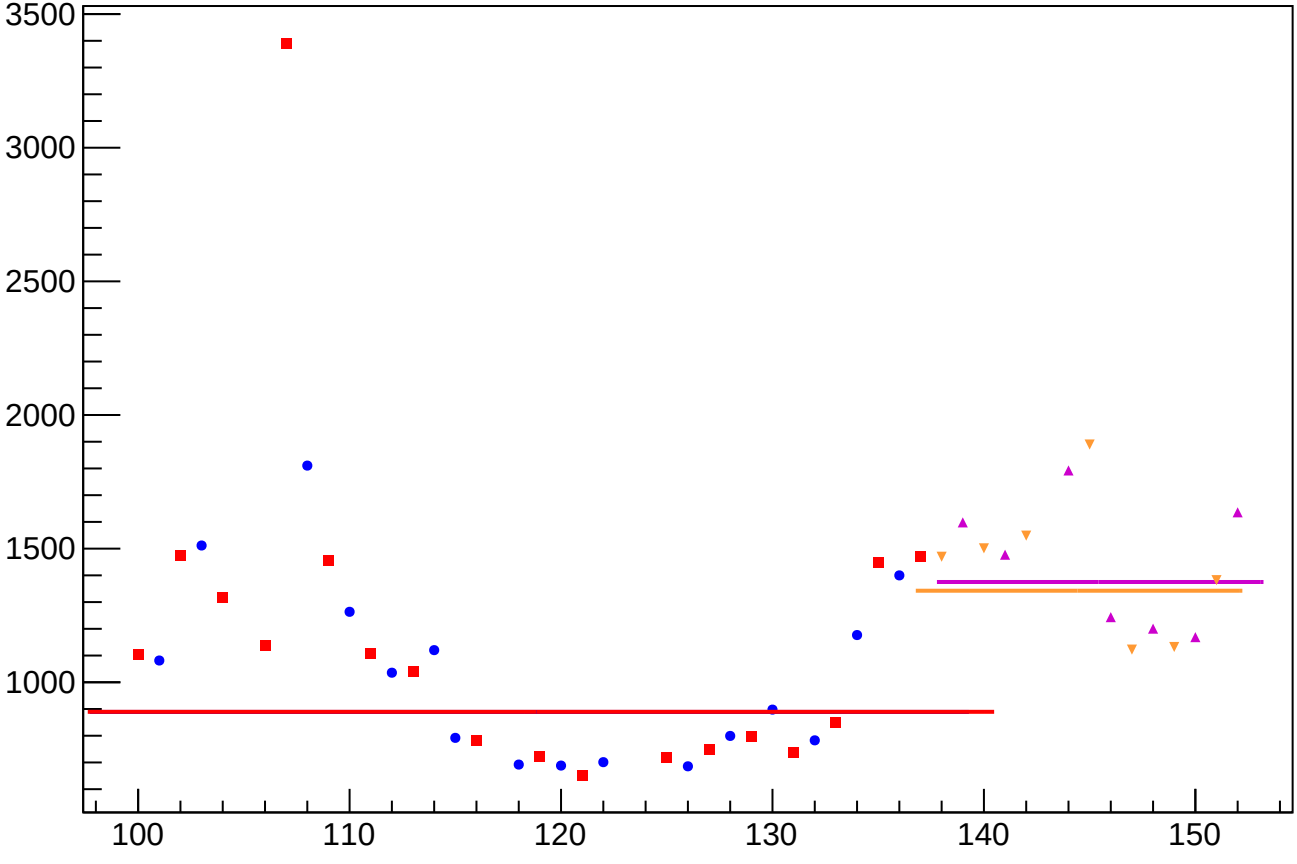
Left In: -495.919+/-564.131 χ^2/NDF:1.4/6

+ sign -187.896+/-298.035 χ^2/NDF: 39.3/22

All: -343.545+/-209.430 χ^2/NDF: 64.5/47

- sign -495.376+/-294.357 χ^2/NDF: 24.7/24

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1342.545+/-0.417 χ^2/NDF:302806.2/6

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

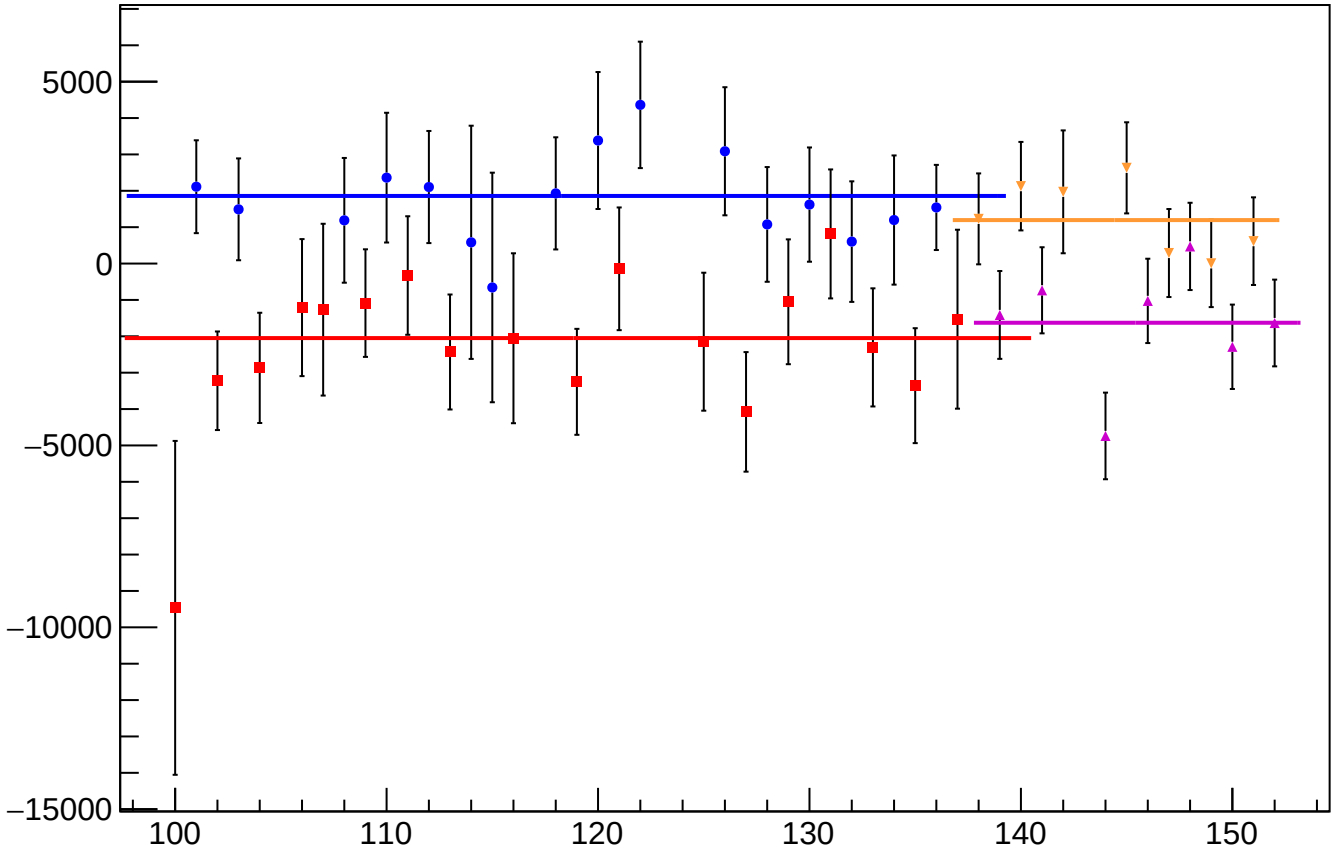
Left In: 1375.192+/-0.399 χ^2/NDF:292048.9/6

+ sign 1004.908+/-0.211 χ^2/NDF: 2317074.6/22

All: 1013.419+/-0.148 χ^2/NDF: 5037059.2/47

- sign 1021.720+/-0.208 χ^2/NDF: 2716763.0/24

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1194.879+/-478.473 χ^2/NDF:3.9/6

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

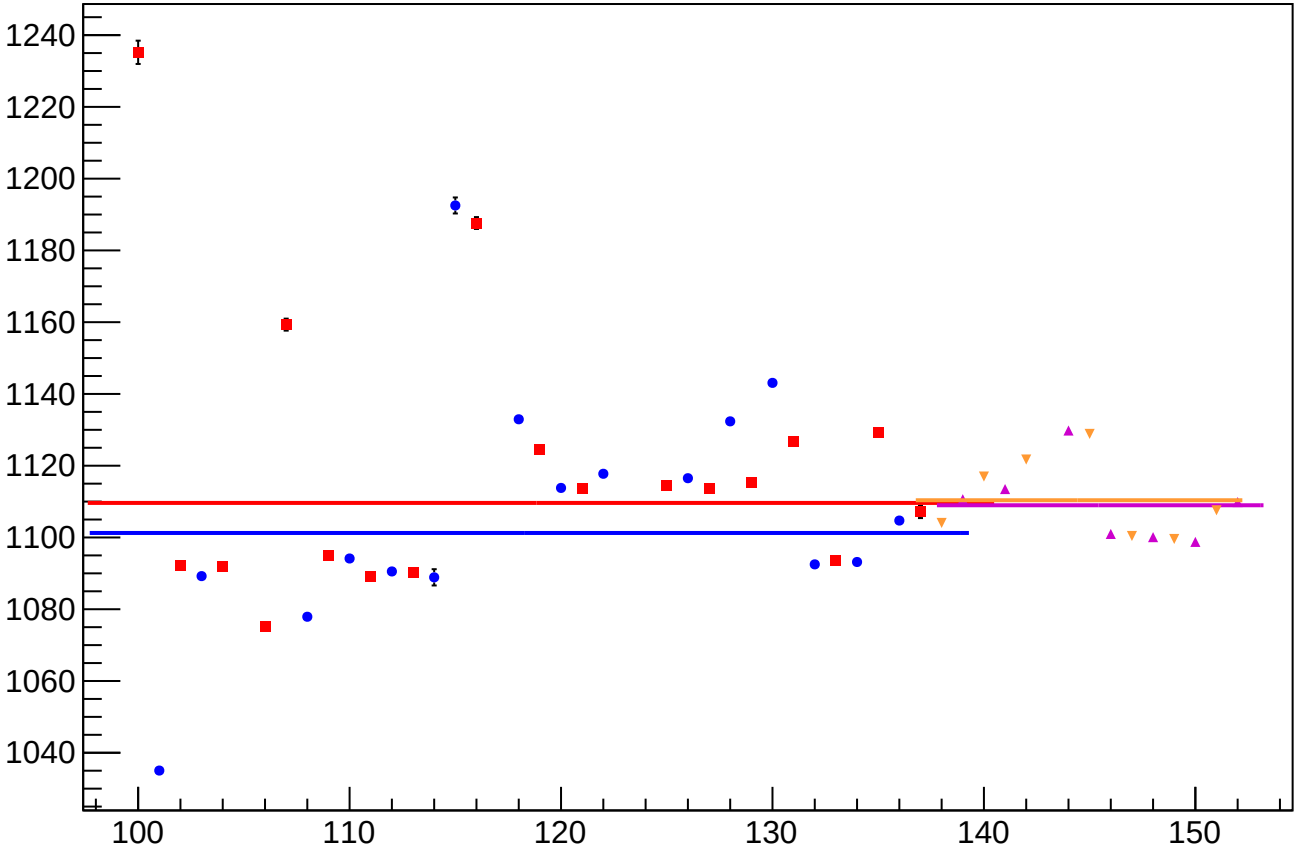
Left In: -1627.419+/-447.599 χ^2/NDF:11.1/6

+ sign 1578.294+/-310.970 χ^2/NDF: 10.4/22

All: -190.265+/-216.607 χ^2/NDF: 97.6/47

- sign -1857.044+/-301.889 χ^2/NDF: 24.3/24

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1110.371+/-0.338 χ^2/NDF:943.9/6

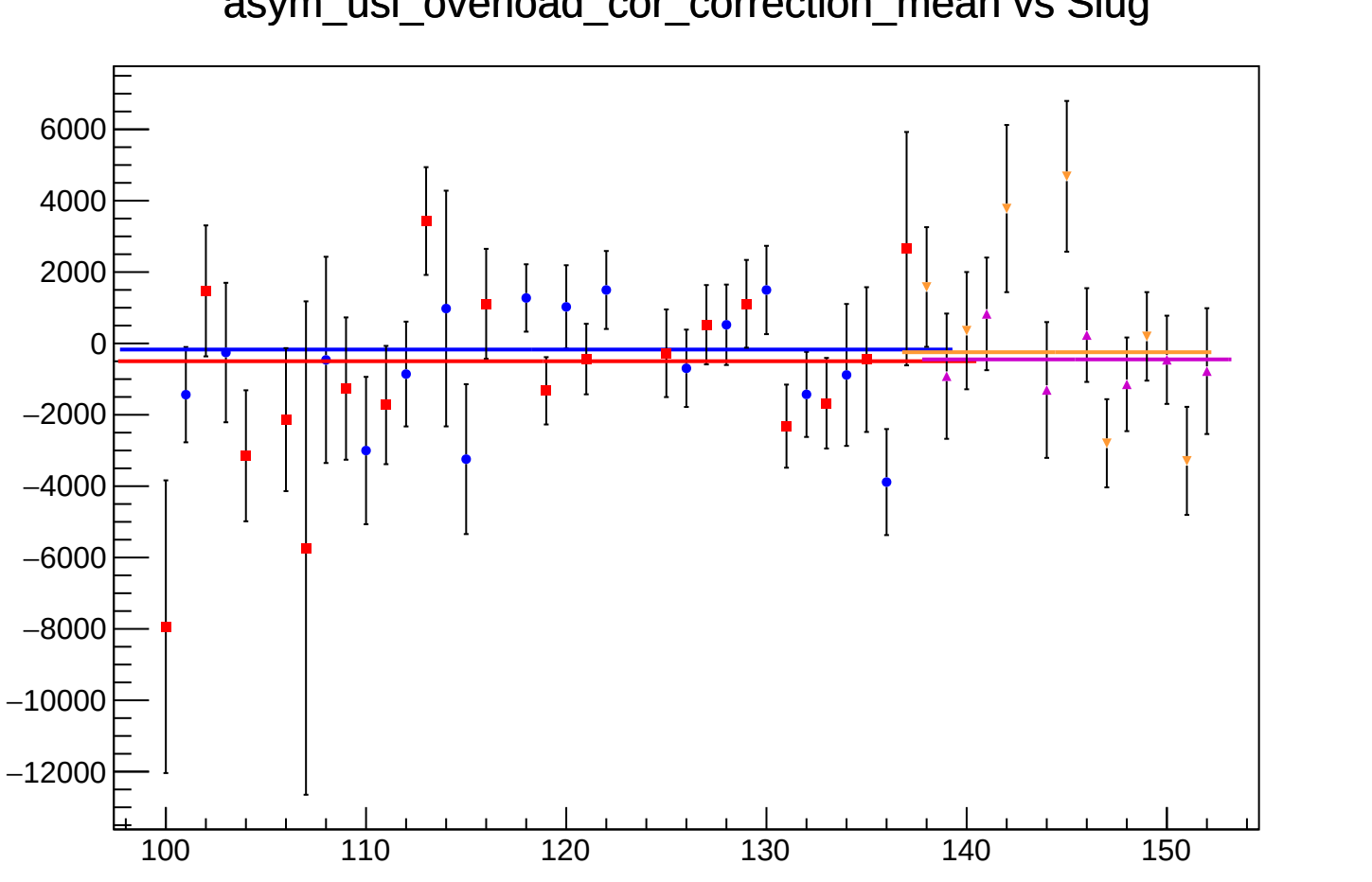
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1108.977+/-0.317 χ^2/NDF:1005.9/6

\+ sign 1105.105+/-0.220 χ^2/NDF: 12671.6/22

All: 1107.281+/-0.153 χ^2/NDF: 21543.0/47

\- sign 1109.332+/-0.213 χ^2/NDF: 8681.2/24



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

Left Out: -245.956+/-589.886 χ^2/NDF:18.2/6

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

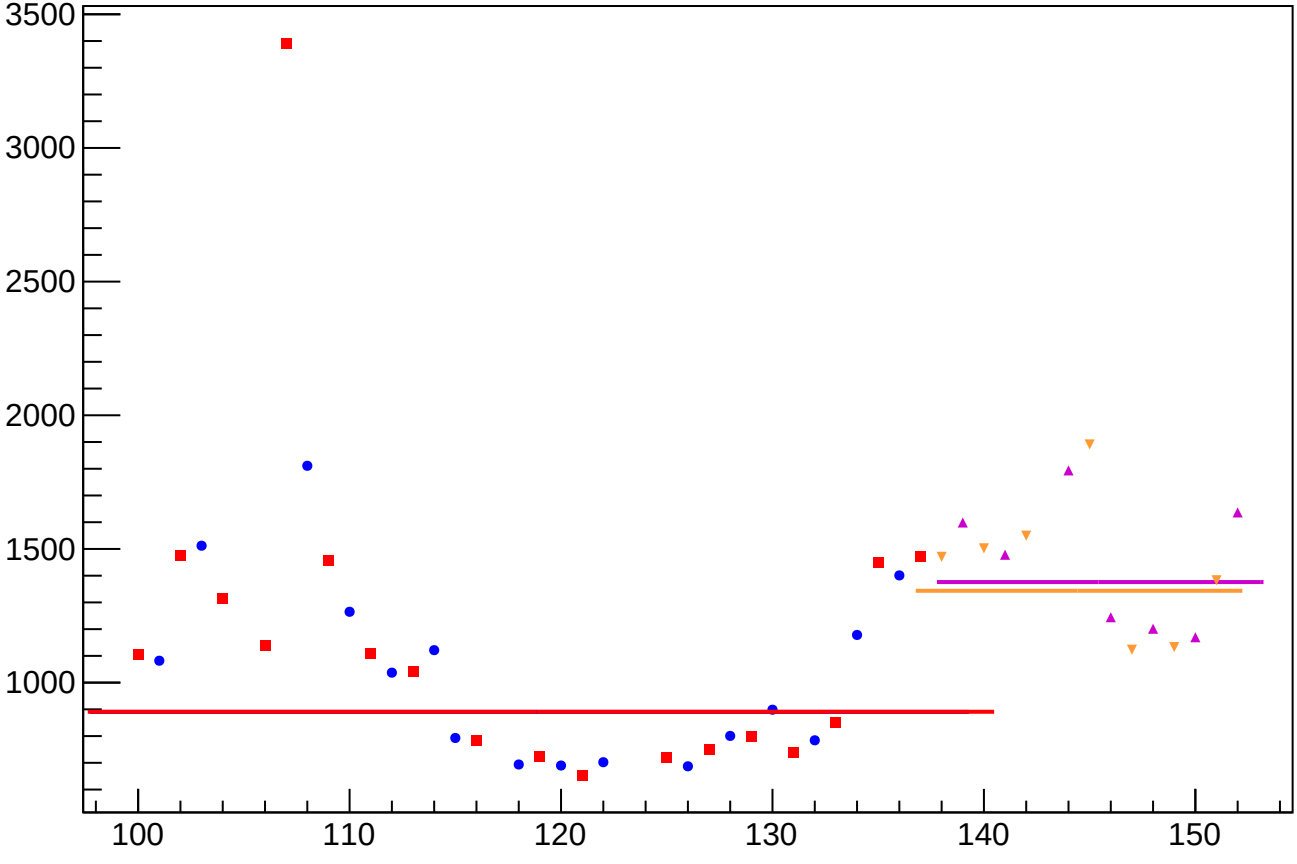
Left In: -447.459+/-564.516 χ^2/NDF:1.5/6

\+ sign -190.133+/-298.436 χ^2/NDF: 39.1/22

All: -339.000+/-209.703 χ^2/NDF: 65.0/47

\- sign -484.192+/-294.729 χ^2/NDF: 25.4/24

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1343.521+/-0.417 χ^2/NDF:302628.2/6

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

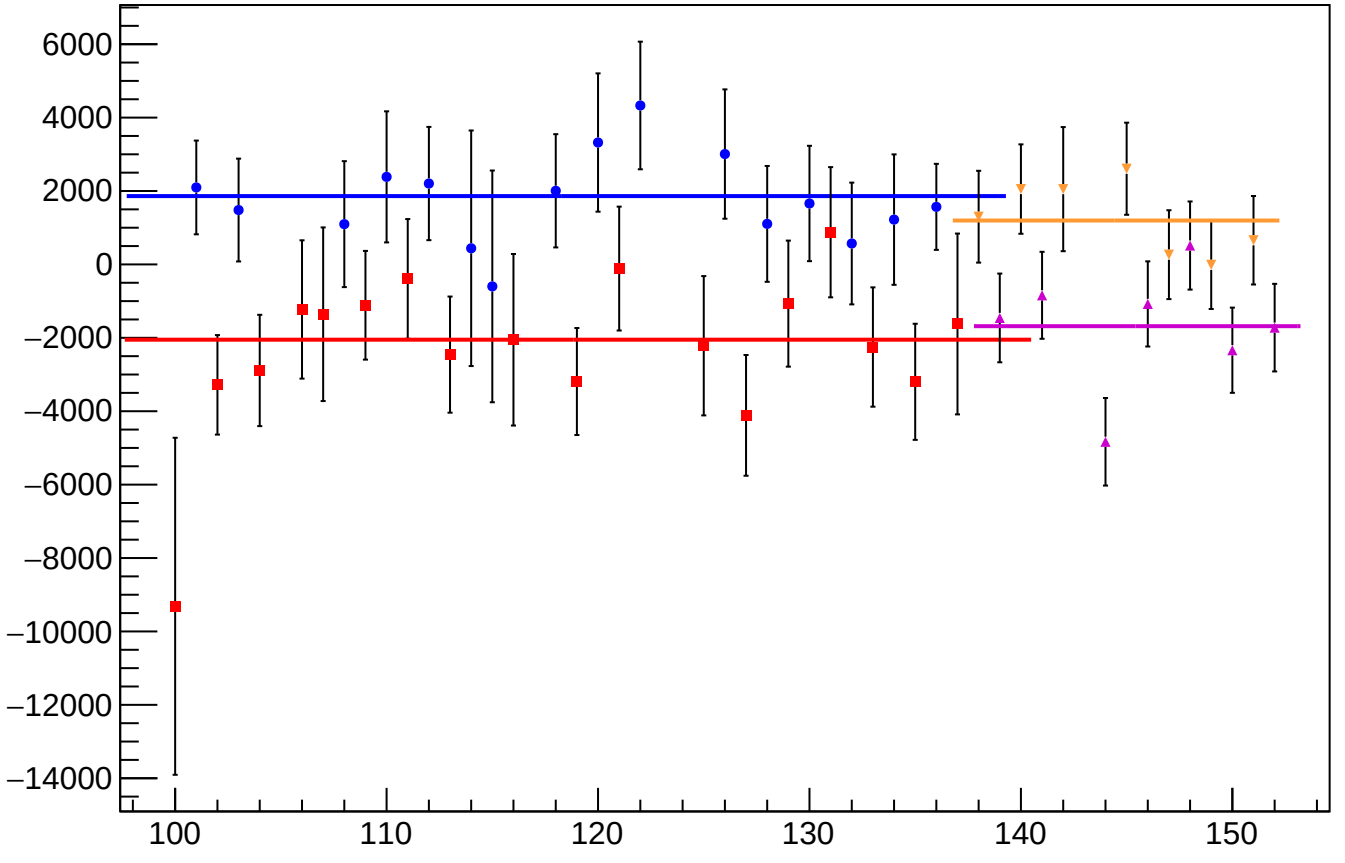
Left In: 1376.155+/-0.399 χ^2/NDF:291795.0/6

+ sign 1006.449+/-0.211 χ^2/NDF: 2309052.9/22

All: 1014.928+/-0.148 χ^2/NDF: 5020654.5/47

- sign 1023.198+/-0.208 χ^2/NDF: 2708412.5/24

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1196.401+/-479.026 χ^2/NDF:3.8/6

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

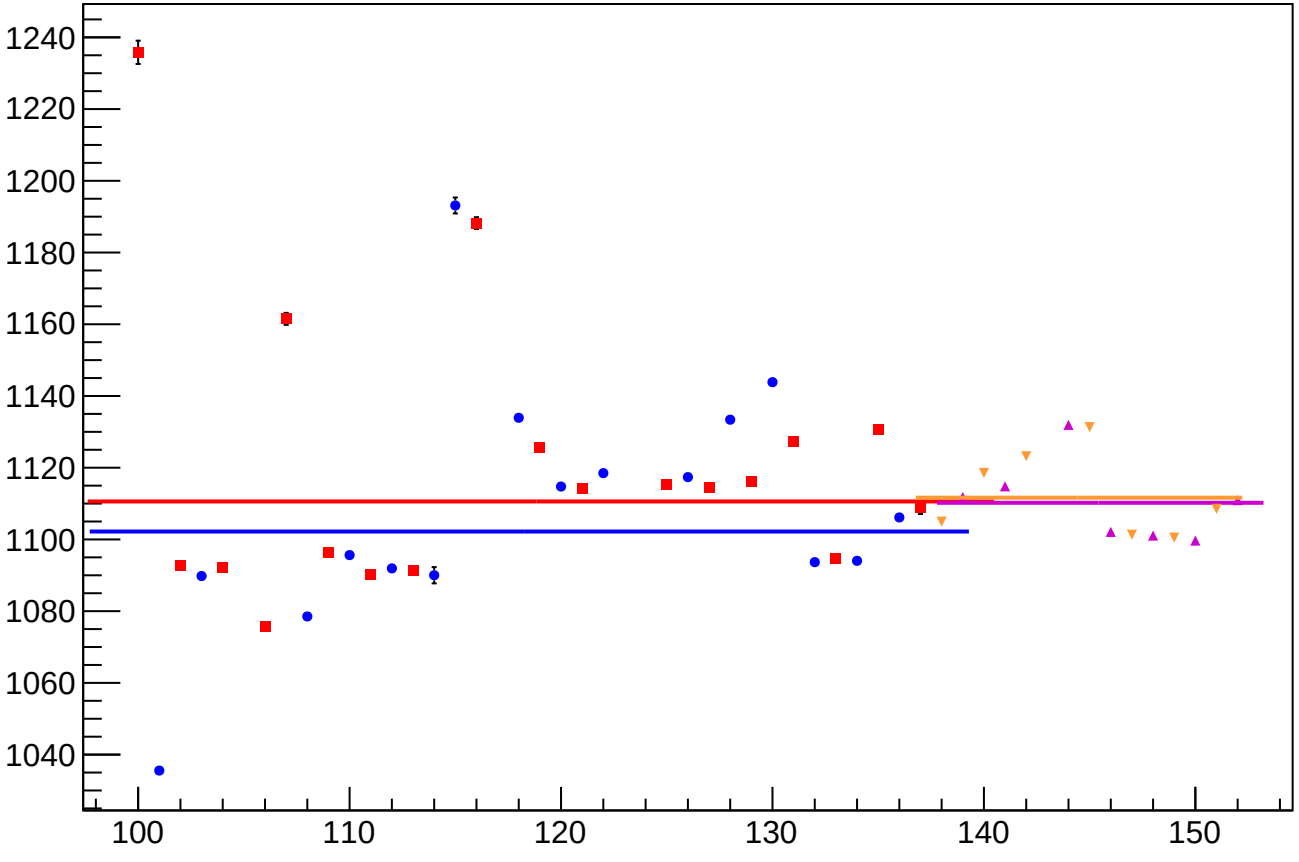
Left In: -1682.850+/-448.101 χ^2/NDF:11.5/6

+ sign 1580.672+/-311.277 χ^2/NDF: 10.3/22

All: -202.730+/-216.820 χ^2/NDF: 98.4/47

- sign -1883.488+/-302.186 χ^2/NDF: 24.4/24

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1111.647+/-0.339 χ^2/NDF:1036.0/6

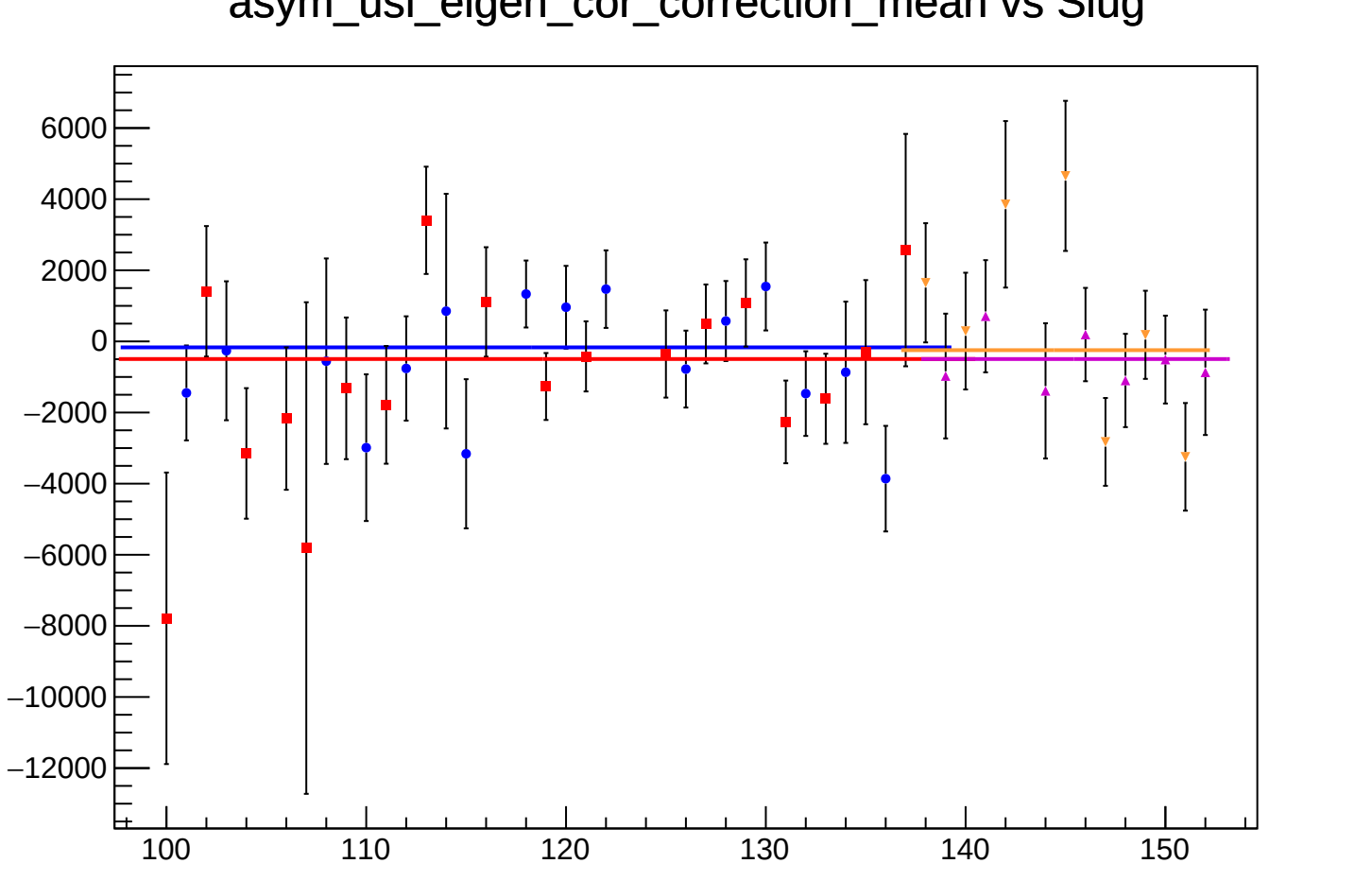
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1110.216+/-0.317 χ^2/NDF:1076.2/6

\+ sign 1106.192+/-0.220 χ^2/NDF: 12833.9/22

All: 1108.369+/-0.153 χ^2/NDF: 21796.9/47

\- sign 1110.421+/-0.214 χ^2/NDF: 8773.0/24



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

Left Out: -246.146+/-589.467 χ^2/NDF:18.3/6

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

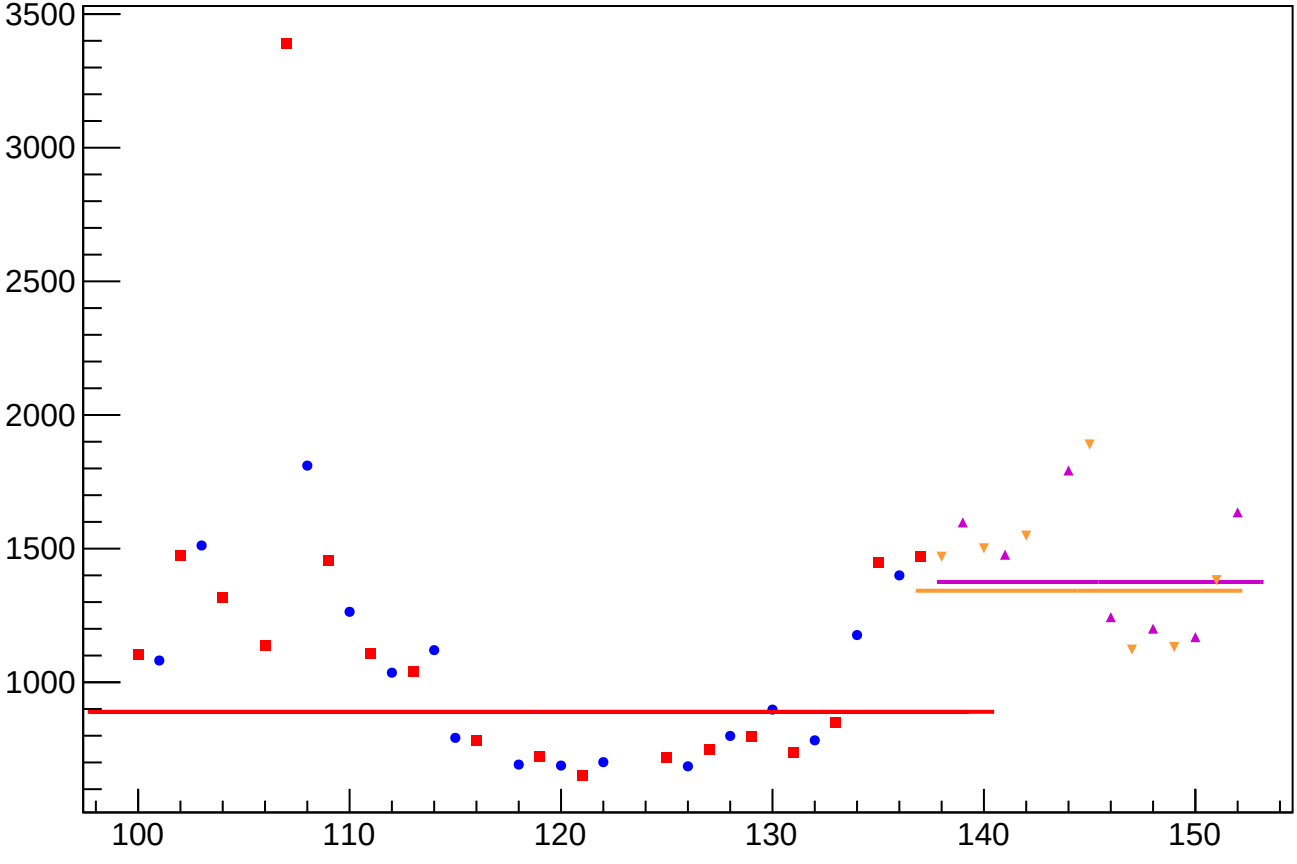
Left In: -495.919+/-564.131 χ^2/NDF:1.4/6

+ sign -187.896+/-298.035 χ^2/NDF: 39.3/22

All: -343.545+/-209.430 χ^2/NDF: 64.5/47

- sign -495.376+/-294.357 χ^2/NDF: 24.7/24

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1342.545+/-0.417 χ^2/NDF:302806.2/6

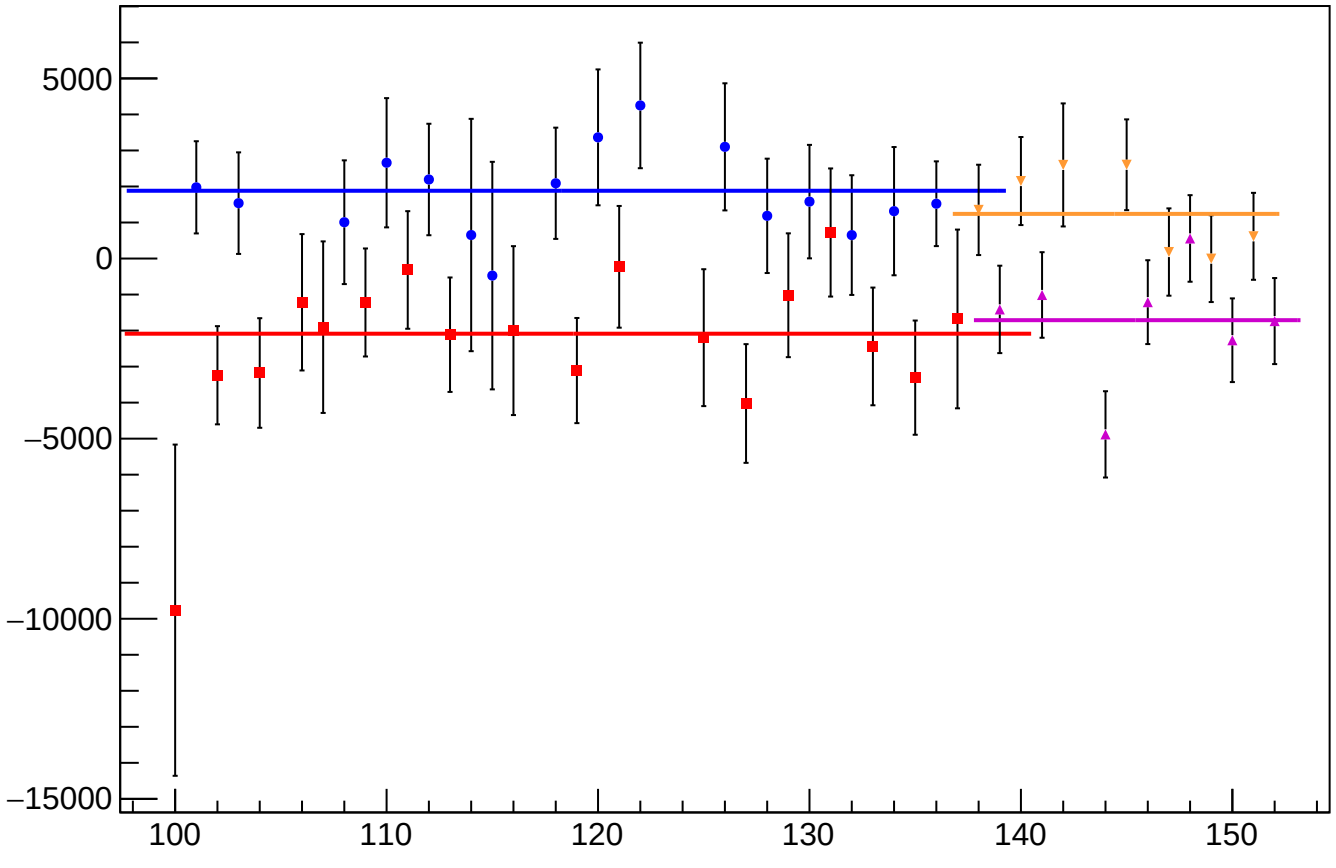
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1375.192+/-0.399 χ^2/NDF:292048.9/6

+ sign 1004.908+/-0.211 χ^2/NDF: 2317074.6/22

All: 1013.419+/-0.148 χ^2/NDF: 5037059.2/47

- sign 1021.720+/-0.208 χ^2/NDF: 2716763.0/24



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

Left Out: 1239.534+/-480.325 χ^2/NDF:4.5/6

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

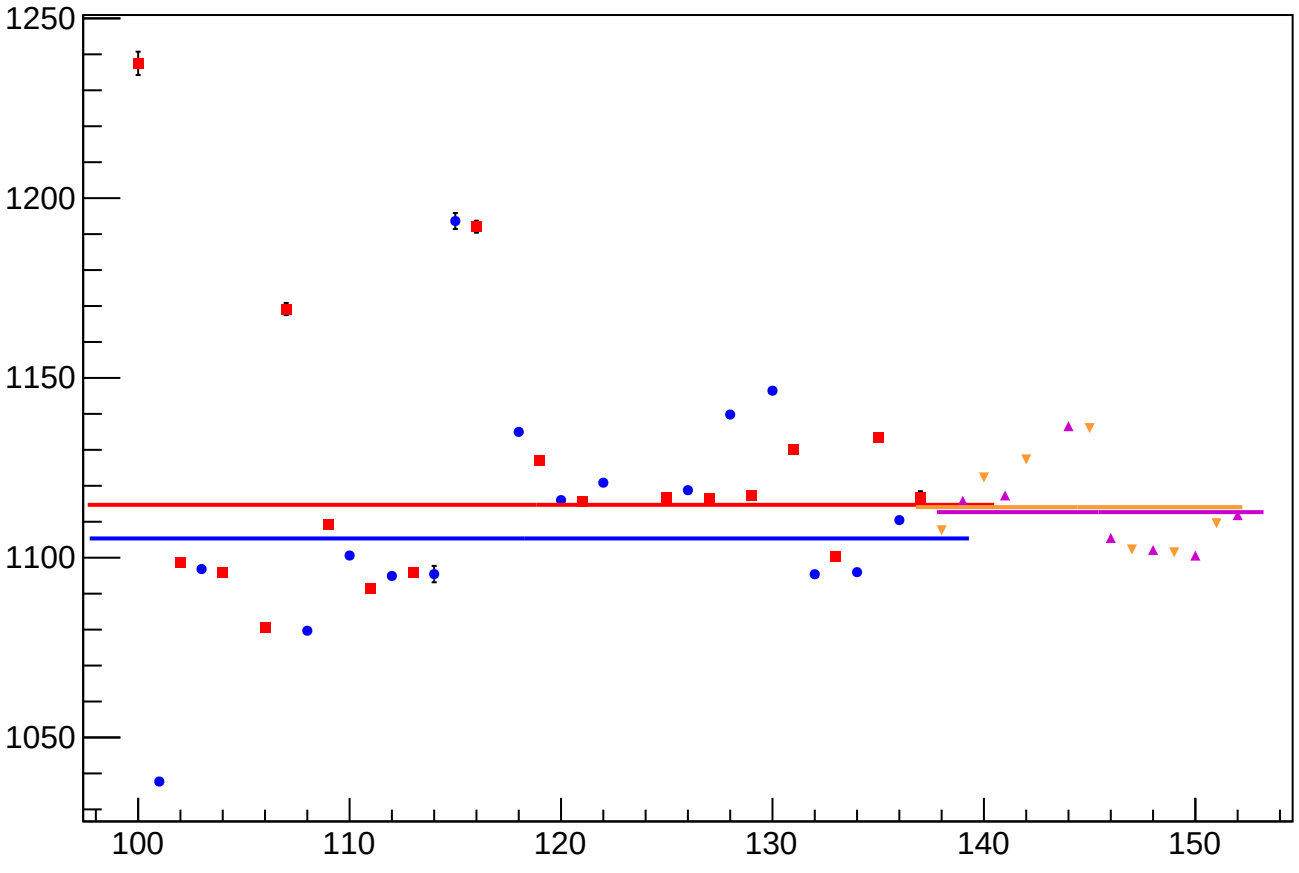
Left In: -1711.252+/-449.114 χ^2/NDF:11.4/6

+ sign 1610.389+/-312.150 χ^2/NDF: 10.7/22

All: -204.463+/-217.459 χ^2/NDF: 100.5/47

- sign -1915.779+/-303.115 χ^2/NDF: 24.2/24

dit_asym_usl_rms vs Slug



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

Left Out: 1114.069+/-0.340 χ^2/NDF:1307.2/6

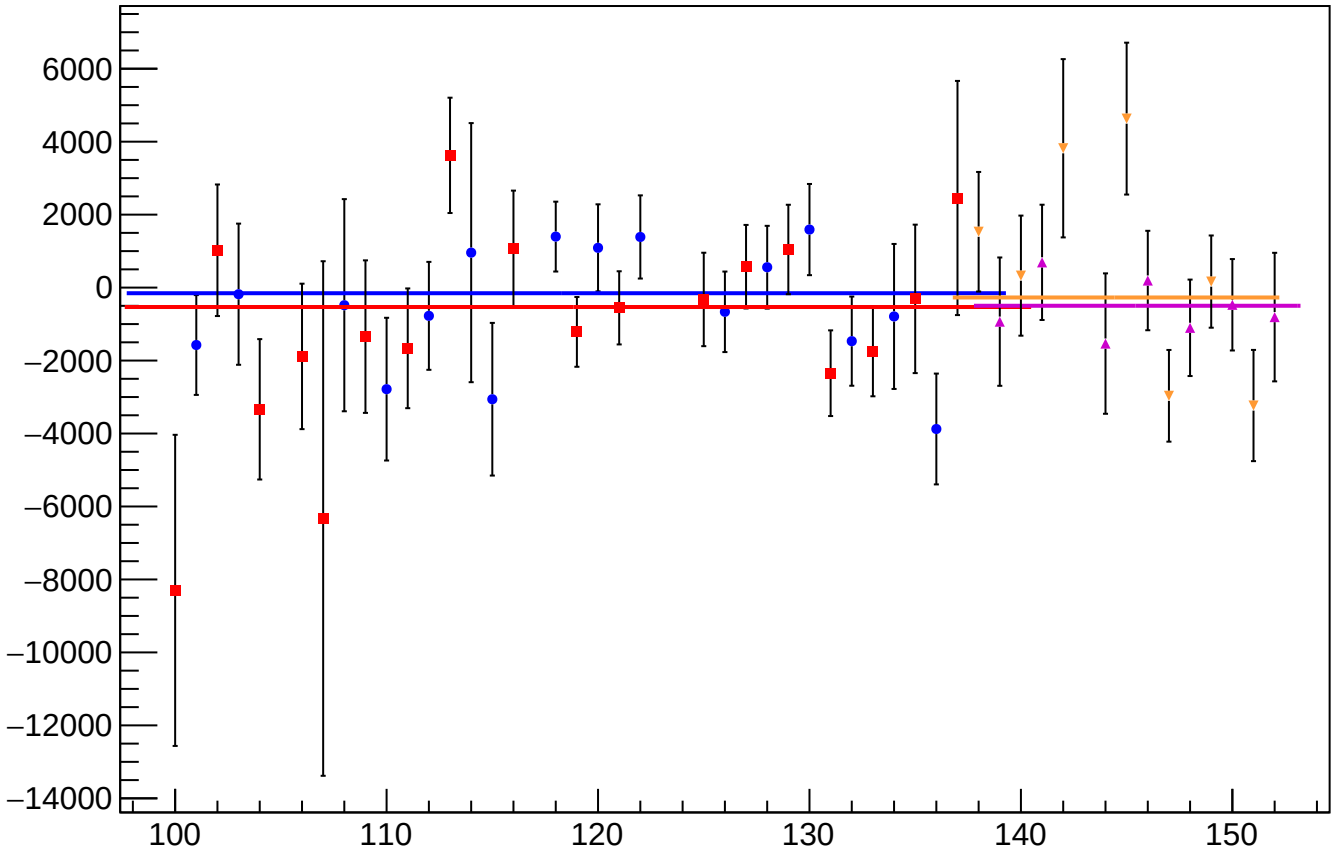
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1112.677+/-0.318 χ^2/NDF:1288.9/6

+ sign 1109.035+/-0.221 χ^2/NDF: 13018.3/22

All: 1111.478+/-0.154 χ^2/NDF: 21897.6/47

- sign 1113.781+/-0.214 χ^2/NDF: 8641.4/24



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

Left Out: -270.760+/-594.549 χ^2/NDF:18.2/6

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

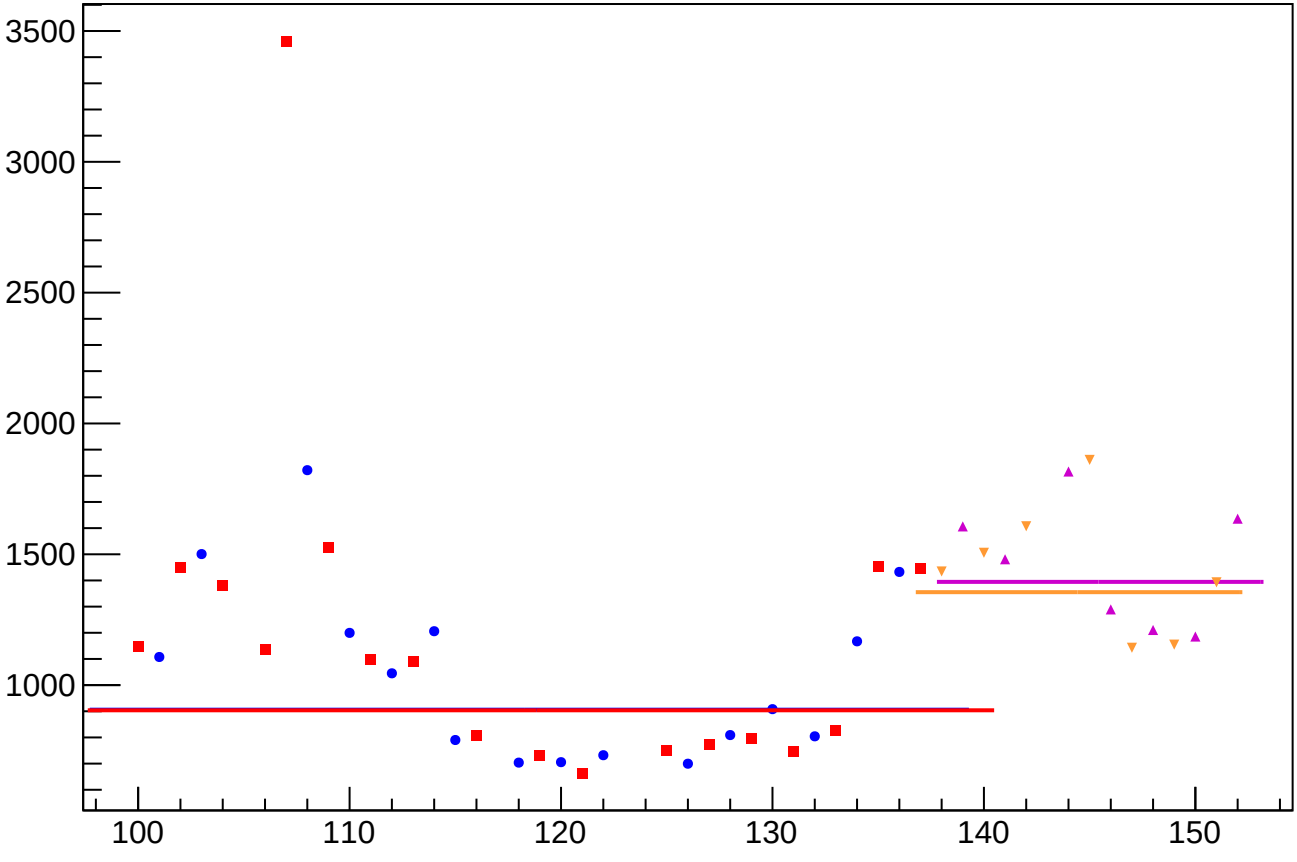
Left In: -497.883+/-571.314 χ^2/NDF:1.4/6

+ sign -184.217+/-302.460 χ^2/NDF: 38.7/22

All: -355.619+/-212.530 χ^2/NDF: 63.9/47

- sign -522.787+/-298.700 χ^2/NDF: 24.6/24

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1355.250+/-0.420 χ^2/NDF:269278.0/6

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

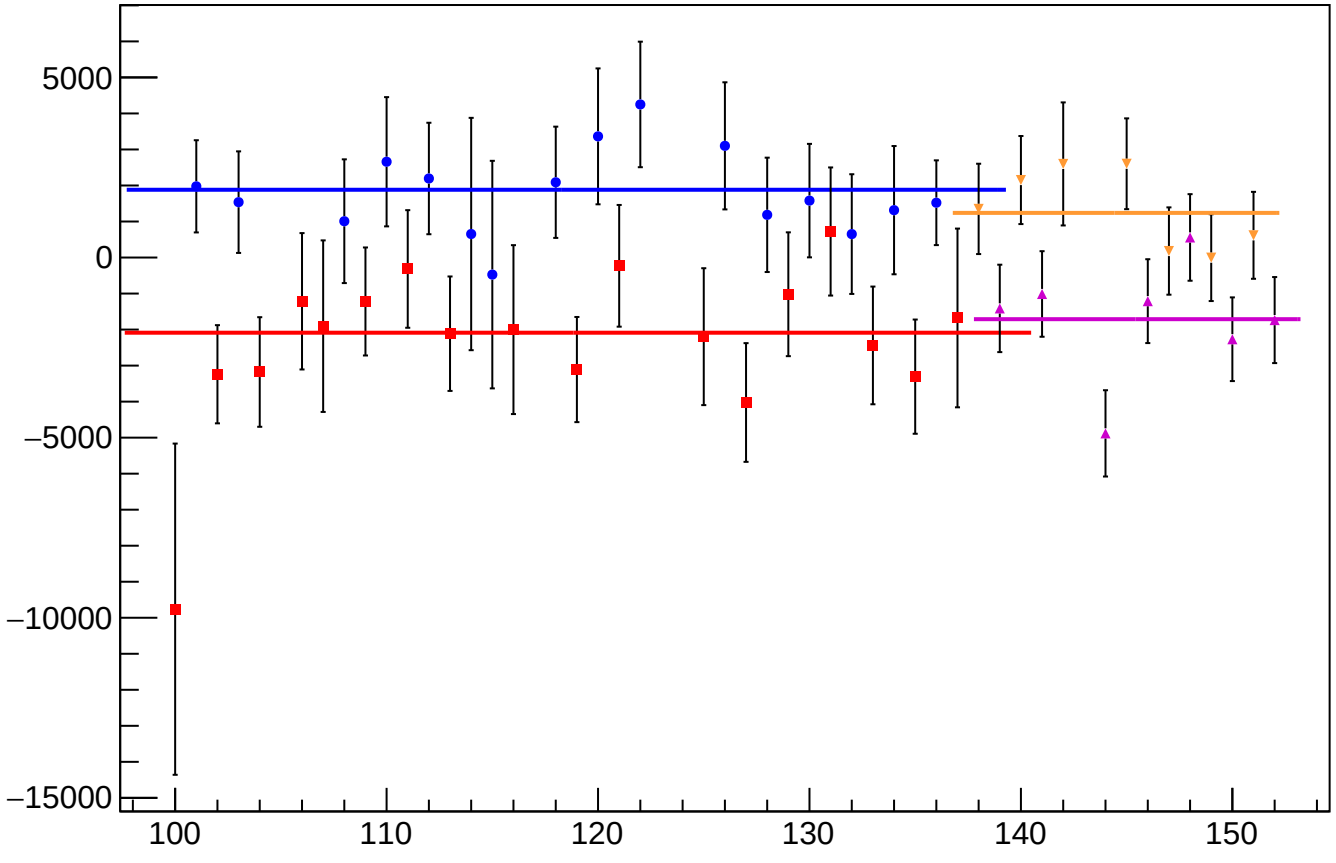
Left In: 1394.564+/-0.404 χ^2/NDF:274904.6/6

+ sign 1022.291+/-0.214 χ^2/NDF: 2194961.8/22

All: 1030.202+/-0.150 χ^2/NDF: 4885140.2/47

- sign 1037.917+/-0.211 χ^2/NDF: 2687476.2/24

eigen_dit_asym_usl_mean vs Slug



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

Left Out: 1239.532+/-480.325 χ^2/NDF:4.5/6

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

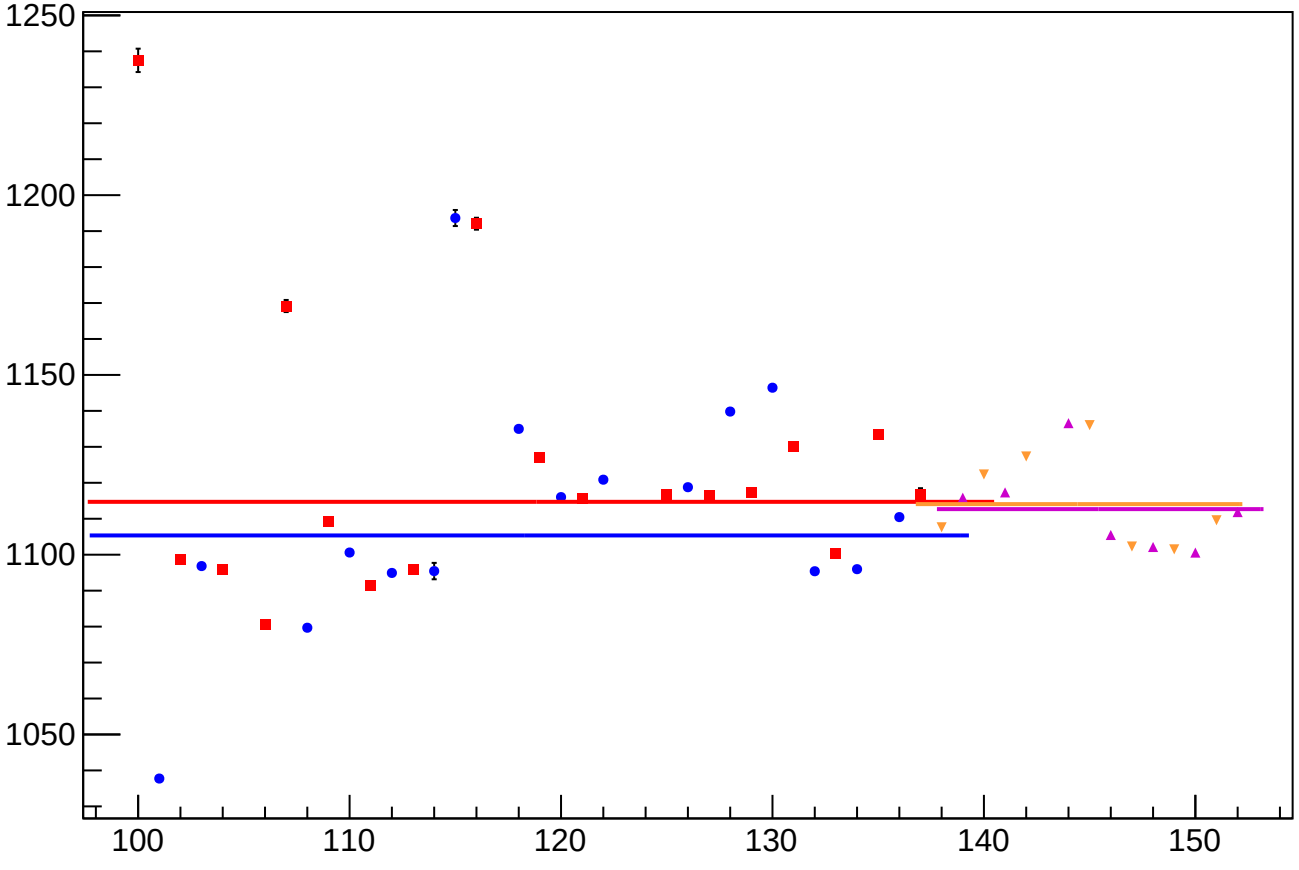
Left In: -1711.254+/-449.114 χ^2/NDF:11.4/6

+ sign 1610.388+/-312.150 χ^2/NDF: 10.7/22

All: -204.463+/-217.459 χ^2/NDF: 100.5/47

- sign -1915.779+/-303.115 χ^2/NDF: 24.2/24

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1114.069+/-0.340 χ^2/NDF:1307.2/6

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

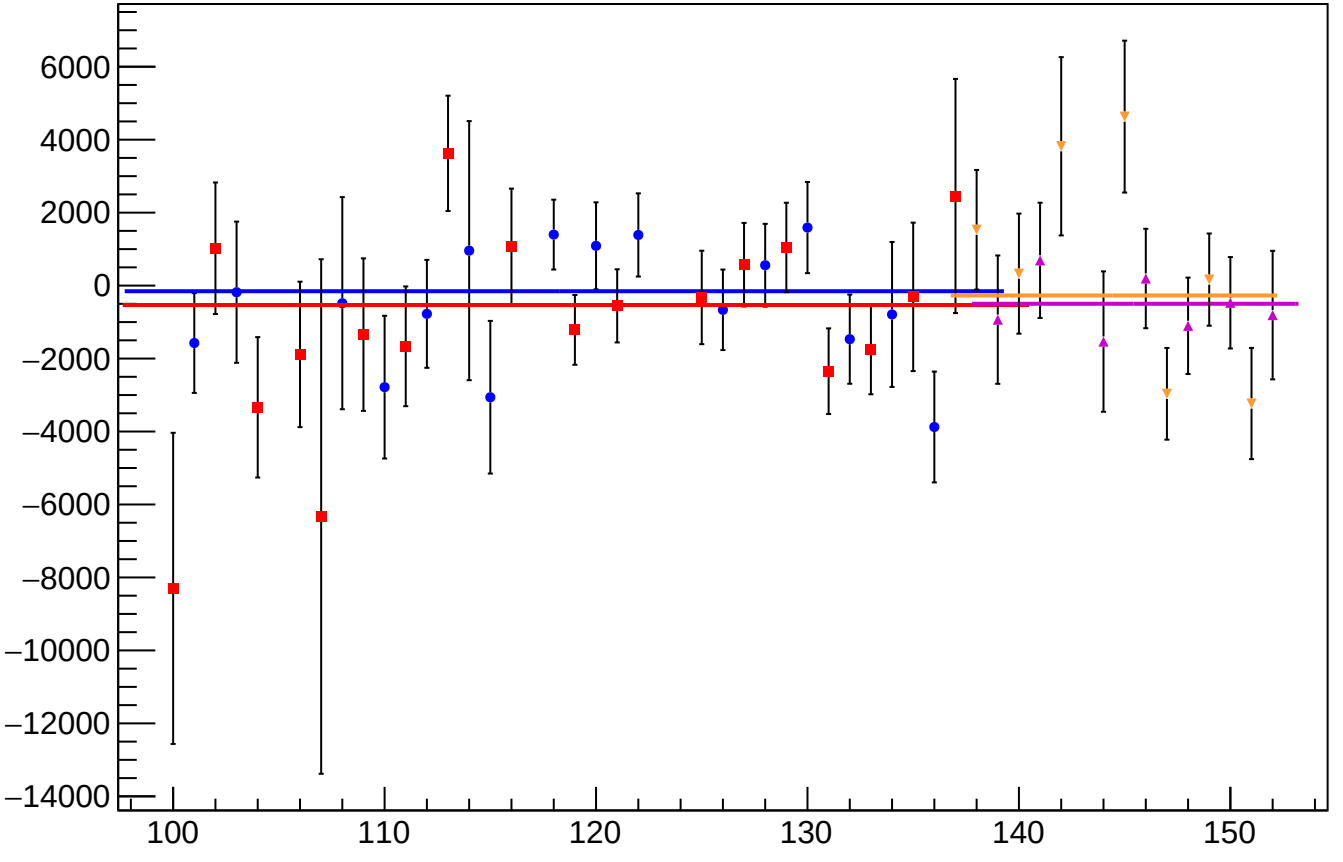
Left In: 1112.677+/-0.318 χ^2/NDF:1288.9/6

+ sign 1109.035+/-0.221 χ^2/NDF: 13018.3/22

All: 1111.478+/-0.154 χ^2/NDF: 21897.6/47

- sign 1113.781+/-0.214 χ^2/NDF: 8641.3/24

asym_usl_eigen_dit_correction_mean vs Slug



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

Left Out: -270.763+/-594.550 χ^2/NDF:18.2/6

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

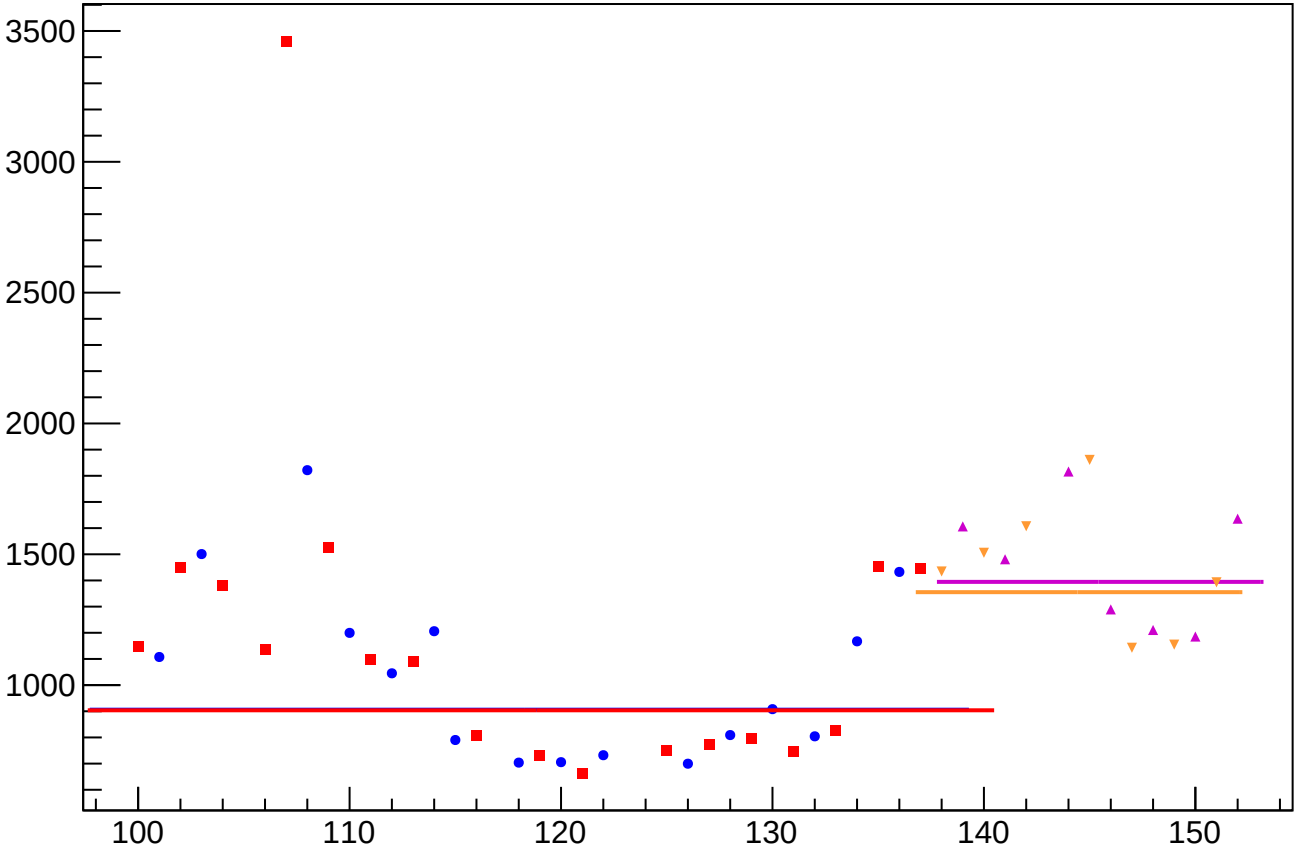
Left In: -497.885+/-571.315 χ^2/NDF:1.4/6

+ sign -184.216+/-302.460 χ^2/NDF: 38.7/22

All: -355.619+/-212.530 χ^2/NDF: 63.9/47

- sign -522.787+/-298.700 χ^2/NDF: 24.6/24

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1355.252+/-0.420 χ^2/NDF:269276.6/6

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

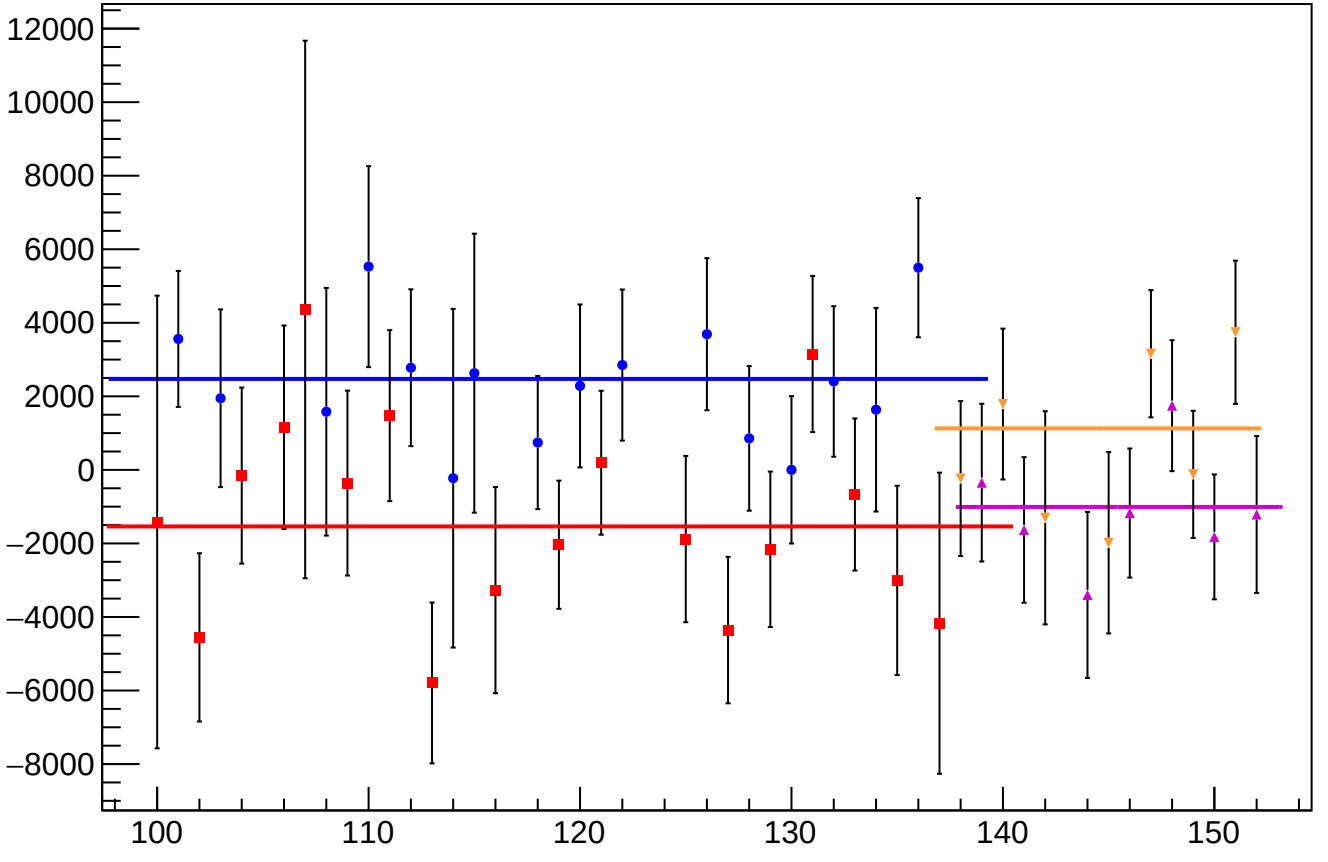
Left In: 1394.566+/-0.404 χ^2/NDF:274902.4/6

+ sign 1022.290+/-0.214 χ^2/NDF: 2194980.3/22

All: 1030.200+/-0.150 χ^2/NDF: 4885177.2/47

- sign 1037.915+/-0.211 χ^2/NDF: 2687494.7/24

asym_usl_mean vs Slug



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

Left Out: 1128.005+/-771.807 χ^2/NDF:6.5/6

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

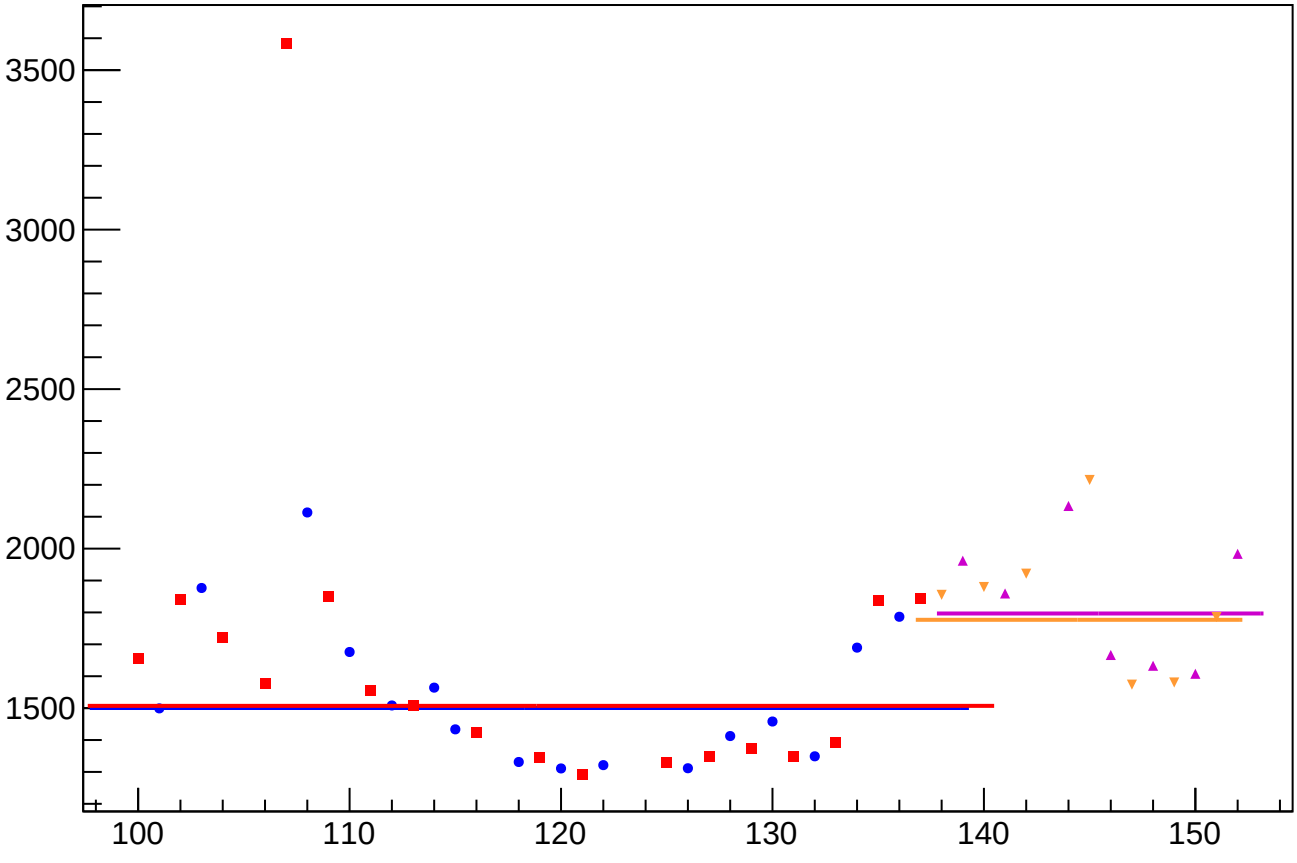
Left In: -1007.415+/-730.329 χ^2/NDF:4.0/6

+ sign 2006.794+/-454.738 χ^2/NDF: 16.7/22

All: 301.751+/-318.475 χ^2/NDF: 67.1/47

- sign -1339.625+/-446.167 χ^2/NDF: 22.8/24

asym_usl_rms vs Slug



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

Left Out: 1776.858+/-0.546 χ^2/NDF:129394.8/6

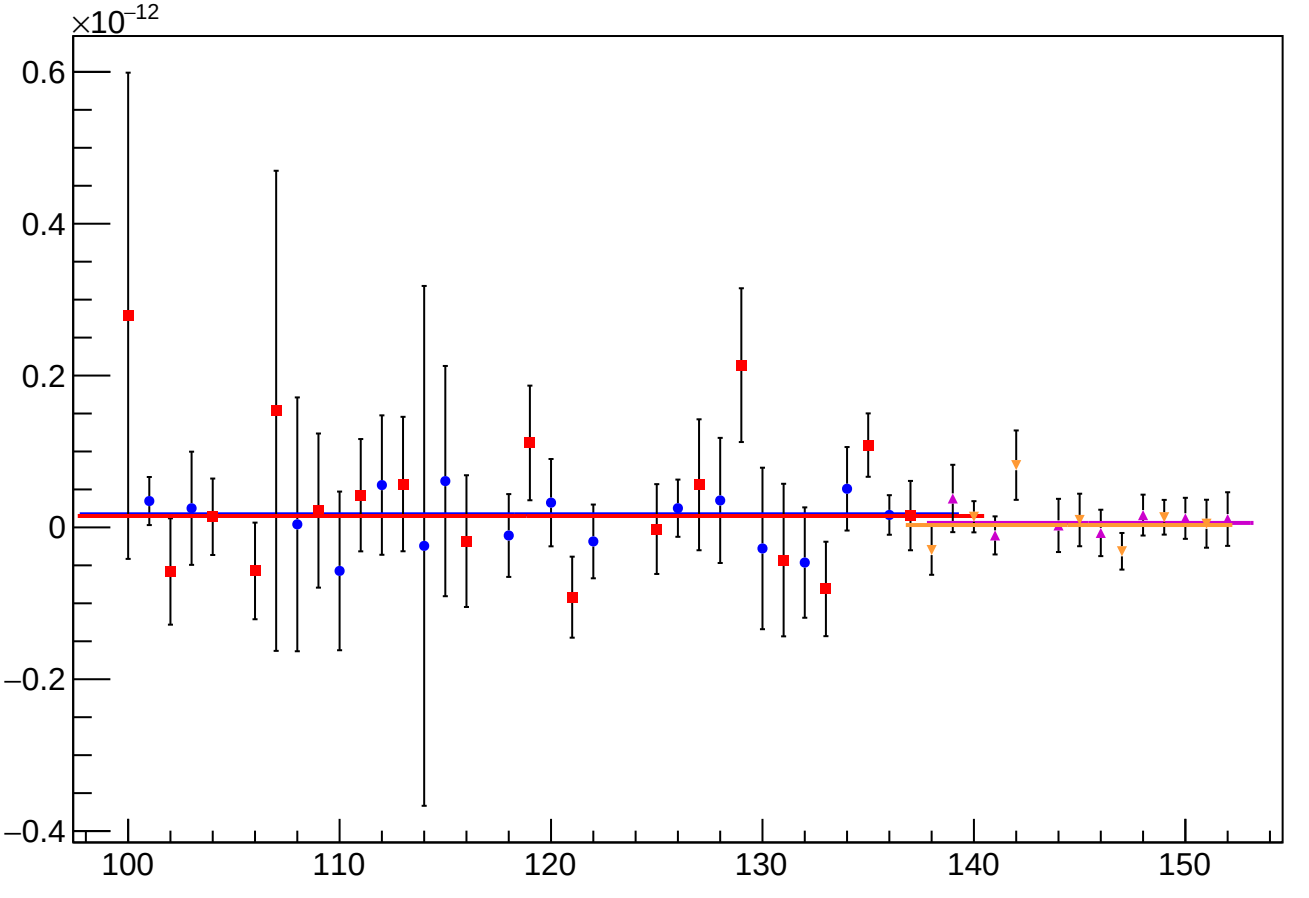
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1796.663+/-0.516 χ^2/NDF:126601.1/6

+ sign 1596.355+/-0.322 χ^2/NDF: 555745.1/22

All: 1605.940+/-0.225 χ^2/NDF: 1282381.4/47

- sign 1615.167+/-0.315 χ^2/NDF: 724892.3/24



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/6

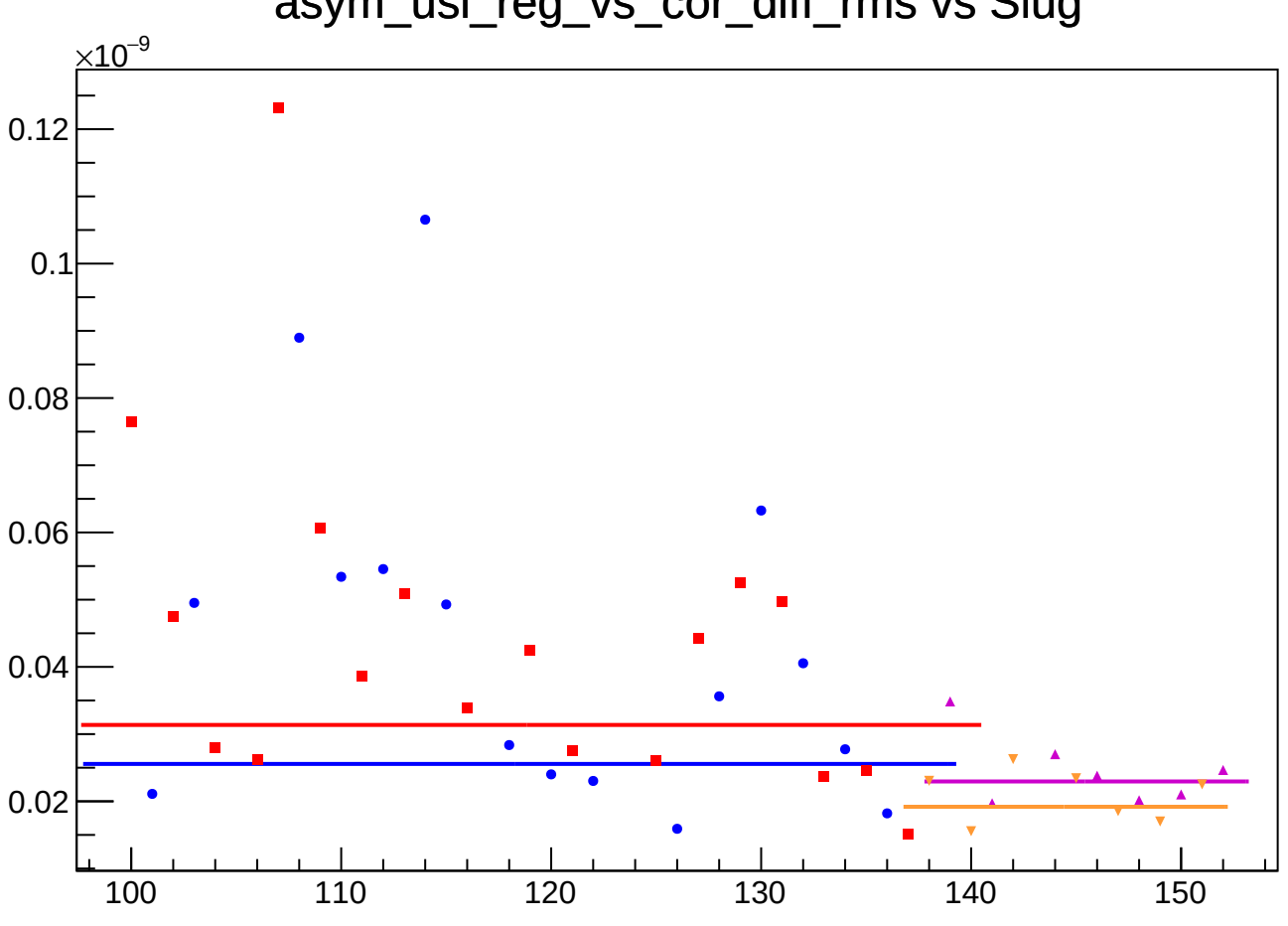
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 10.7/22

All: 0.000+/-0.000 χ^2/NDF: 33.5/47

- sign 0.000+/-0.000 χ^2/NDF: 22.9/24



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

Left Out: 0.000+/-0.000 χ^2/NDF:210981.1/6

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

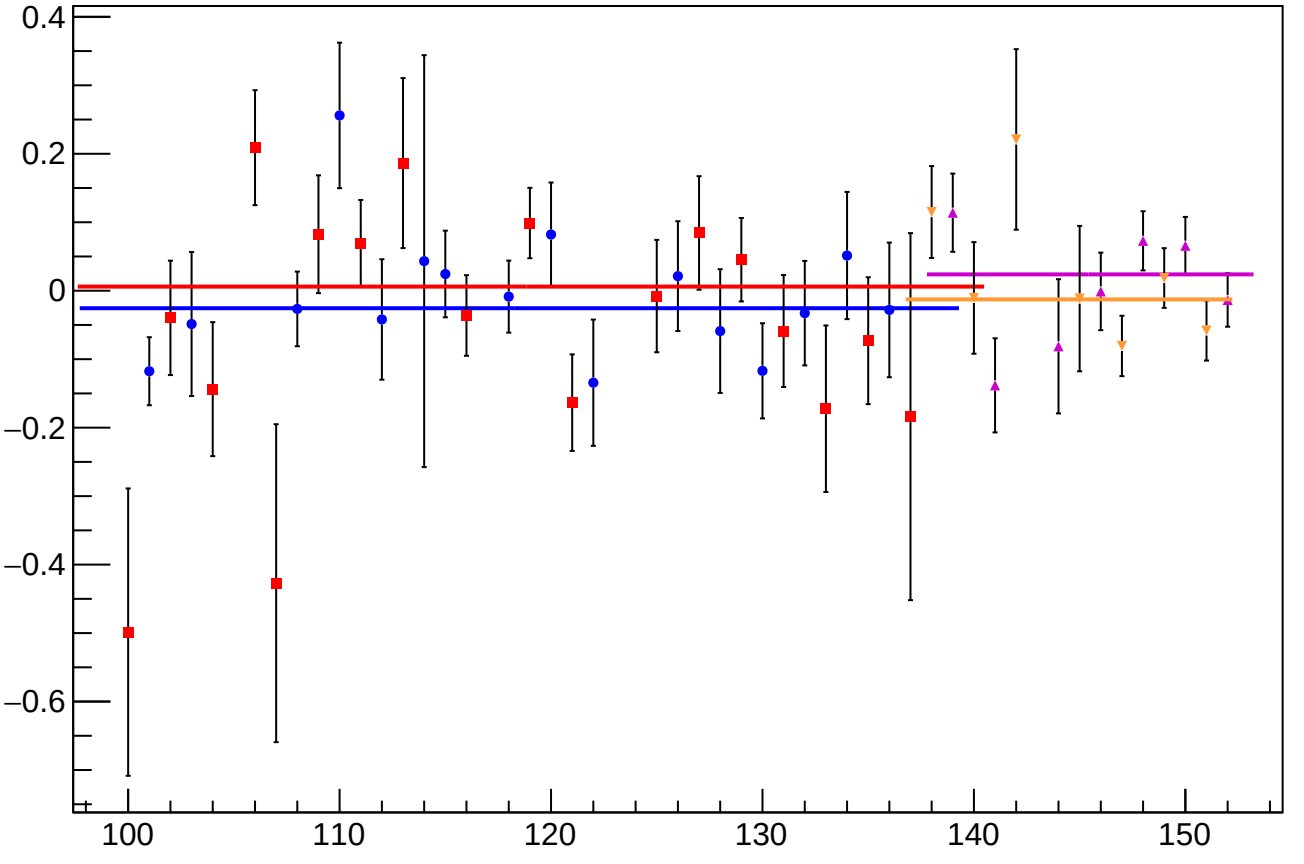
Left In: 0.000+/-0.000 χ^2/NDF:242359.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 2198221.4/22

All: 0.000+/-0.000 χ^2/NDF: 4261417.8/47

- sign 0.000+/-0.000 χ^2/NDF: 1831347.2/24

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.013+/-0.022 χ^2/NDF:10.7/6

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

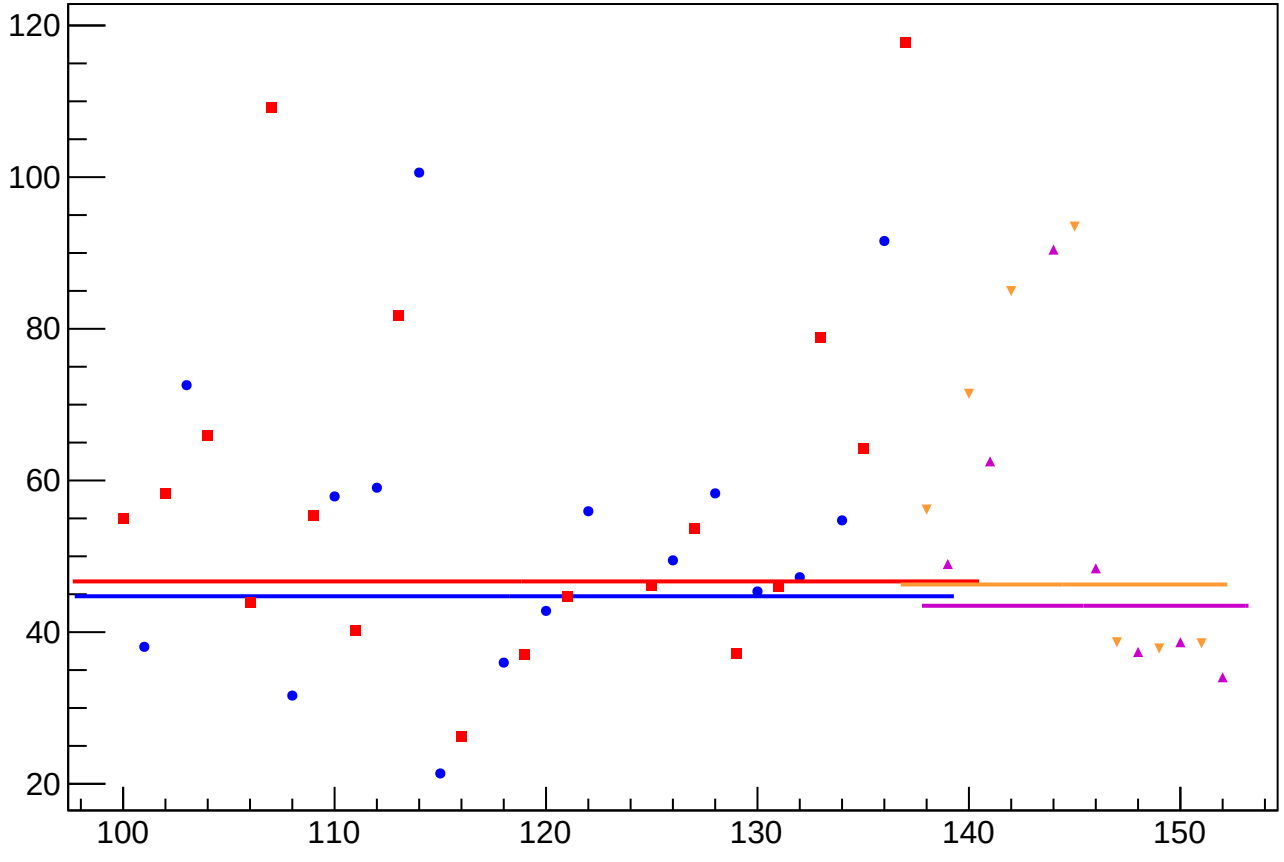
Left In: 0.024+/-0.019 χ^2/NDF:12.6/6

+ sign -0.020+/-0.014 χ^2/NDF: 28.5/22

All: -0.002+/-0.010 χ^2/NDF: 81.2/47

- sign 0.015+/-0.014 χ^2/NDF: 49.5/24

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 46.286+/-0.016 χ^2/NDF:998512.5/6

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

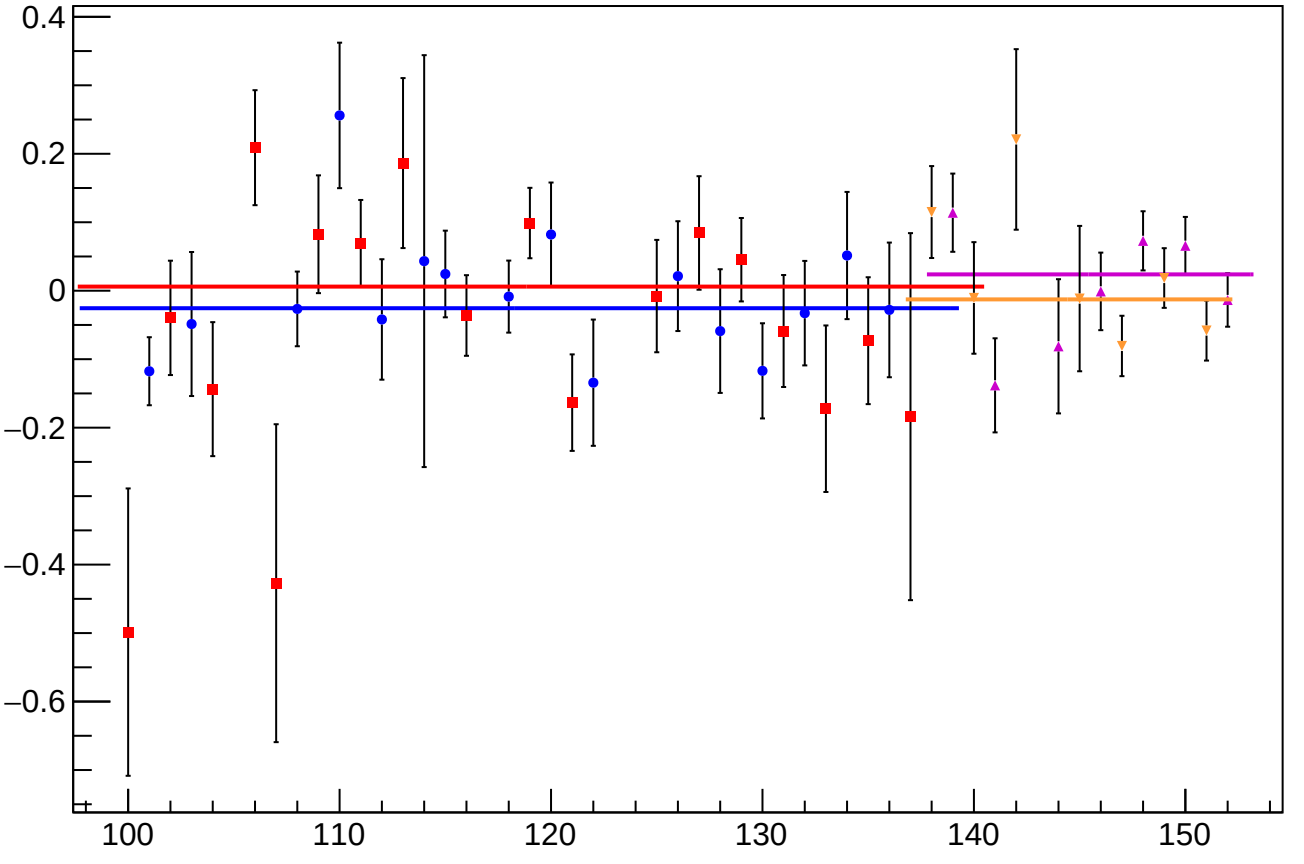
Left In: 43.480+/-0.014 χ^2/NDF:829176.3/6

+ sign 45.389+/-0.010 χ^2/NDF: 2338839.5/22

All: 45.226+/-0.007 χ^2/NDF: 4391557.9/47

- sign 45.076+/-0.010 χ^2/NDF: 2052215.0/24

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.013+/-0.022 χ^2/NDF:10.7/6

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

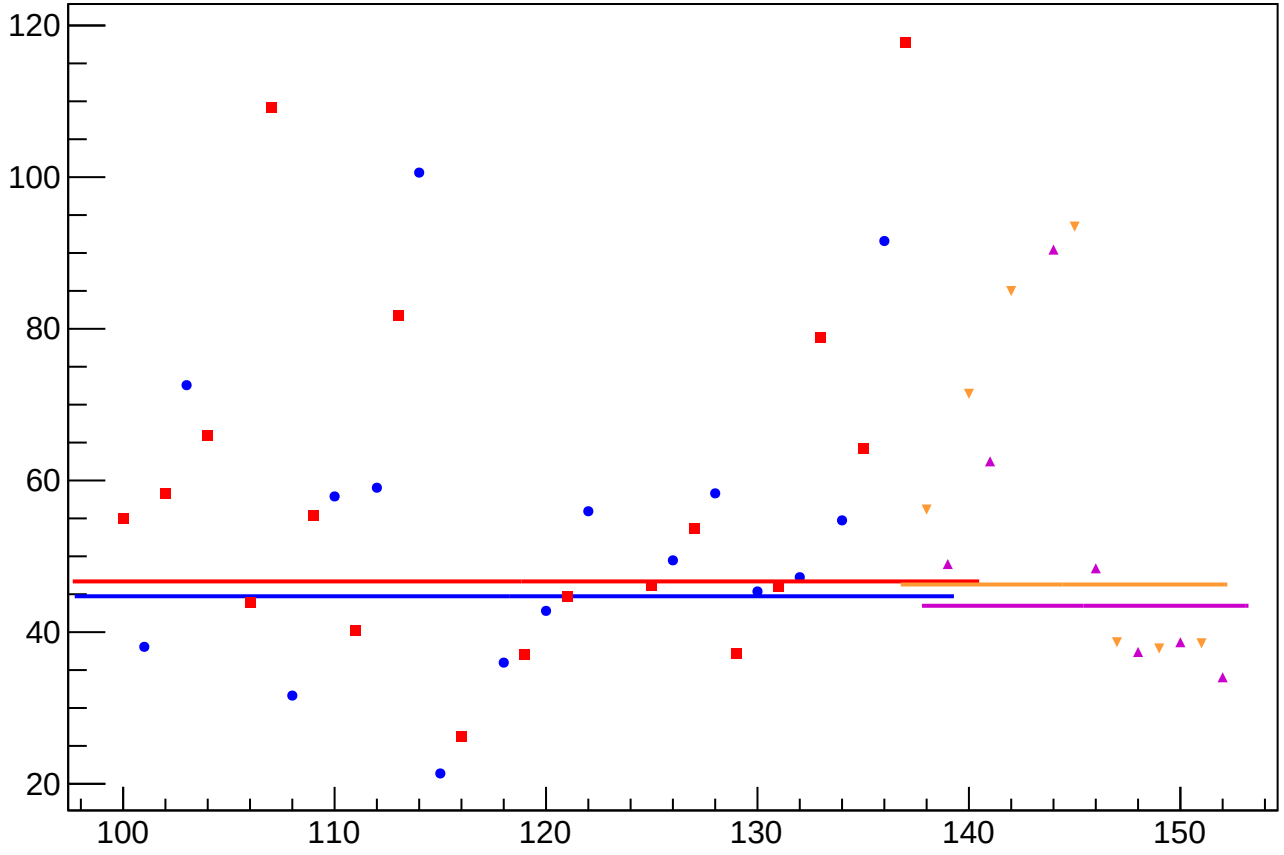
Left In: 0.024+/-0.019 χ^2/NDF:12.6/6

+ sign -0.020+/-0.014 χ^2/NDF: 28.5/22

All: -0.002+/-0.010 χ^2/NDF: 81.2/47

- sign 0.015+/-0.014 χ^2/NDF: 49.5/24

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 46.286+/-0.016 χ^2/NDF:998512.5/6

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

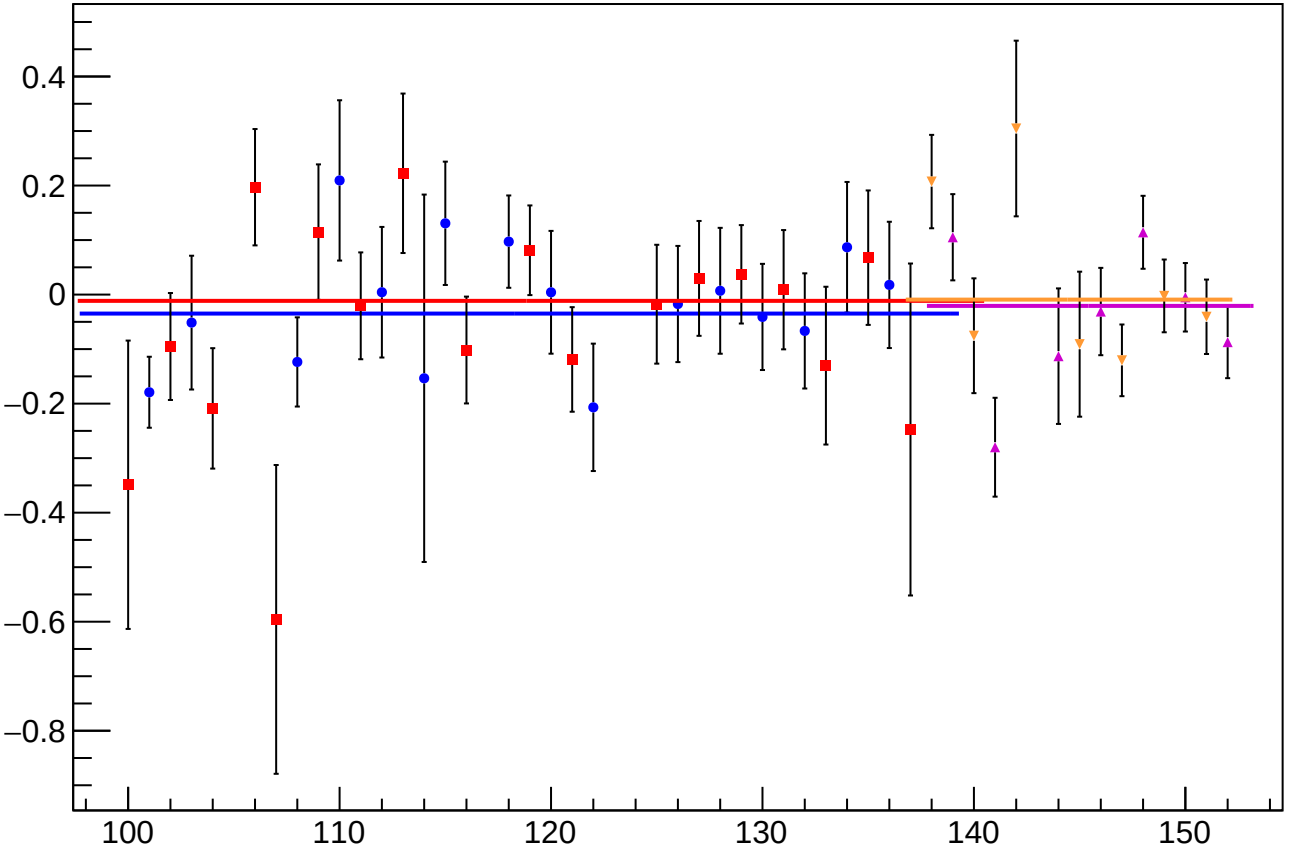
Left In: 43.480+/-0.014 χ^2/NDF:829176.3/6

+ sign 45.389+/-0.010 χ^2/NDF: 2338839.5/22

All: 45.226+/-0.007 χ^2/NDF: 4391557.9/47

- sign 45.076+/-0.010 χ^2/NDF: 2052215.0/24

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.009+/-0.032 χ^2/NDF:14.1/6

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

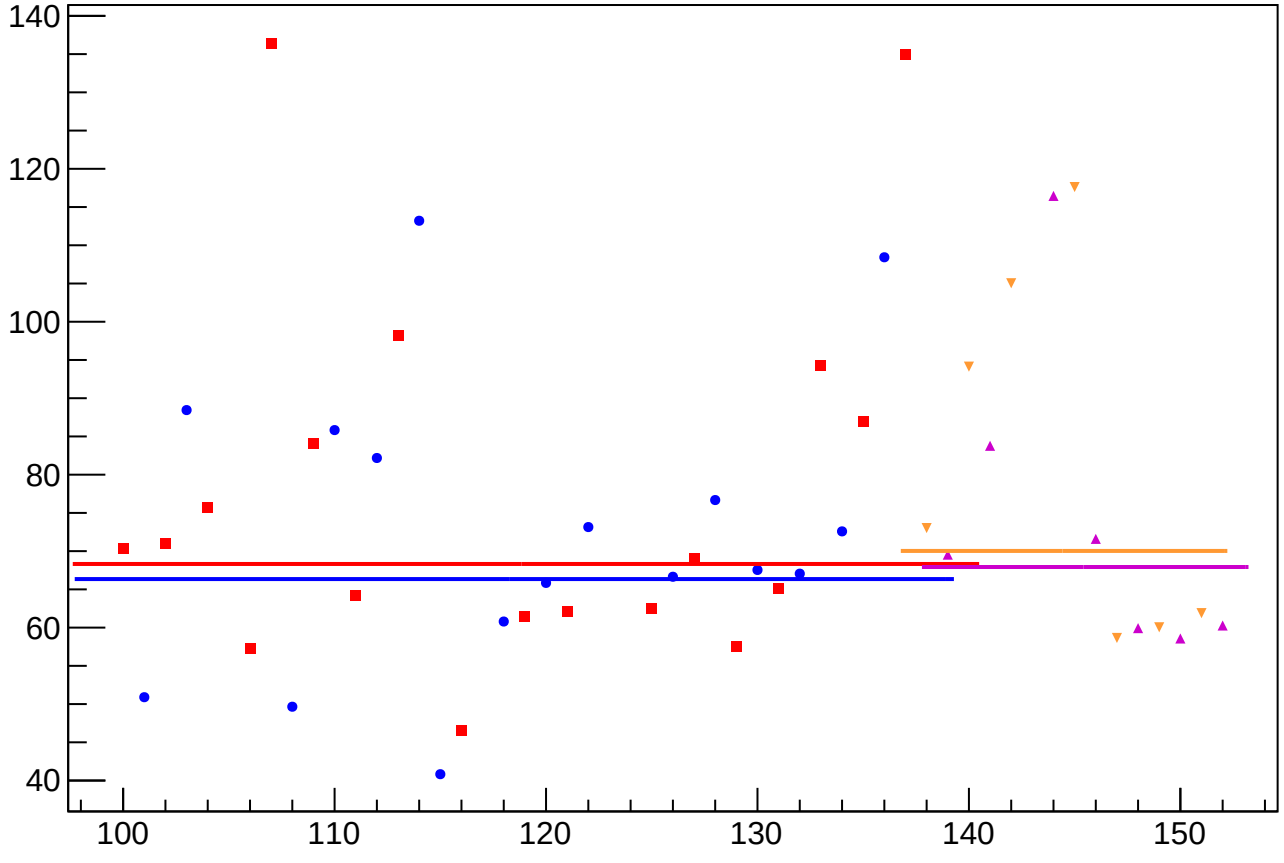
Left In: -0.021+/-0.029 χ^2/NDF:16.4/6

+ sign -0.024+/-0.020 χ^2/NDF: 31.9/22

All: -0.020+/-0.014 χ^2/NDF: 71.2/47

- sign -0.016+/-0.020 χ^2/NDF: 39.2/24

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 70.028+/-0.022 χ^2/NDF:590754.9/6

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

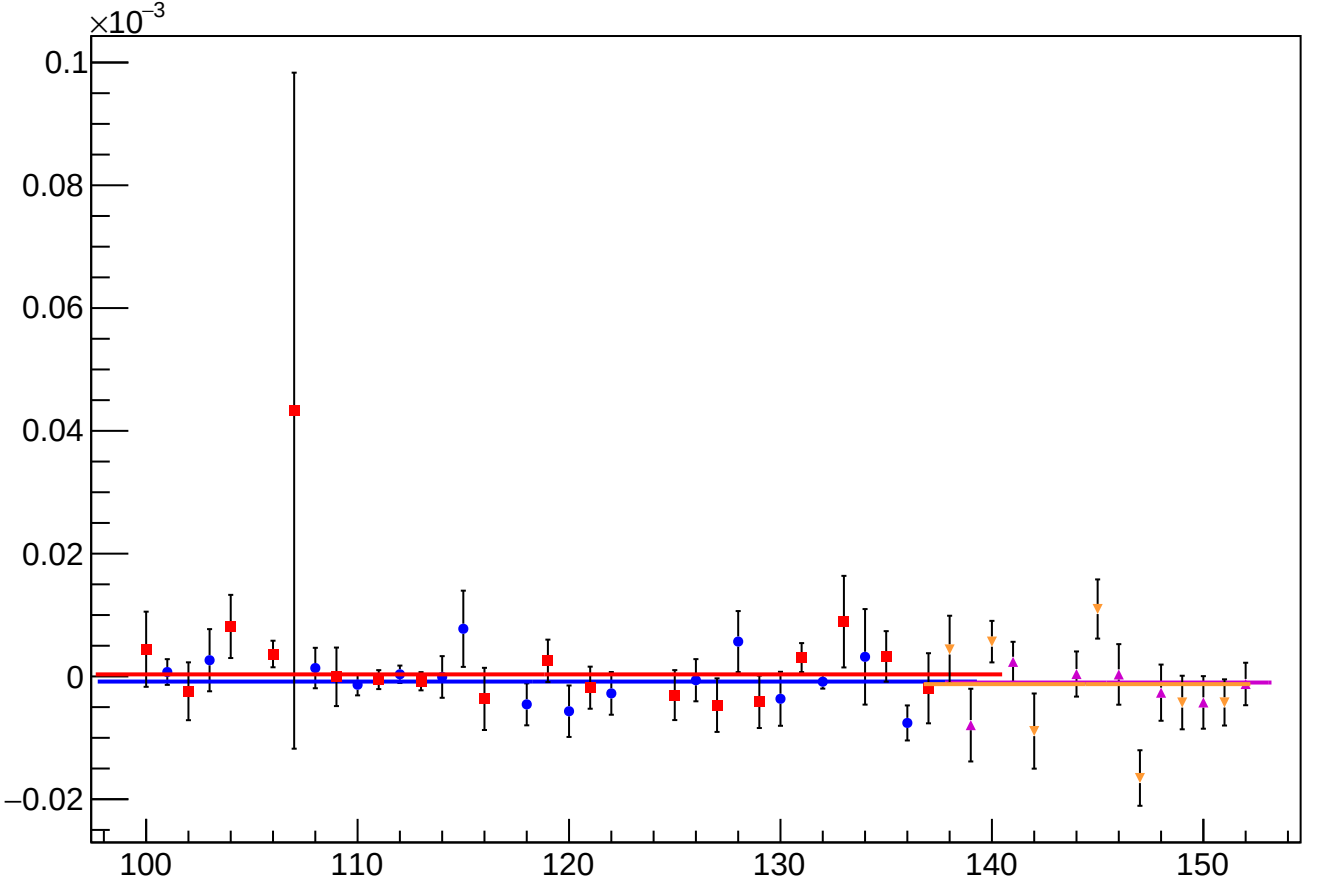
Left In: 67.925+/-0.020 χ^2/NDF:470646.8/6

+ sign 67.844+/-0.014 χ^2/NDF: 1379348.5/22

All: 67.995+/-0.010 χ^2/NDF: 2480084.3/47

- sign 68.137+/-0.014 χ^2/NDF: 1100519.5/24

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:25.8/6

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

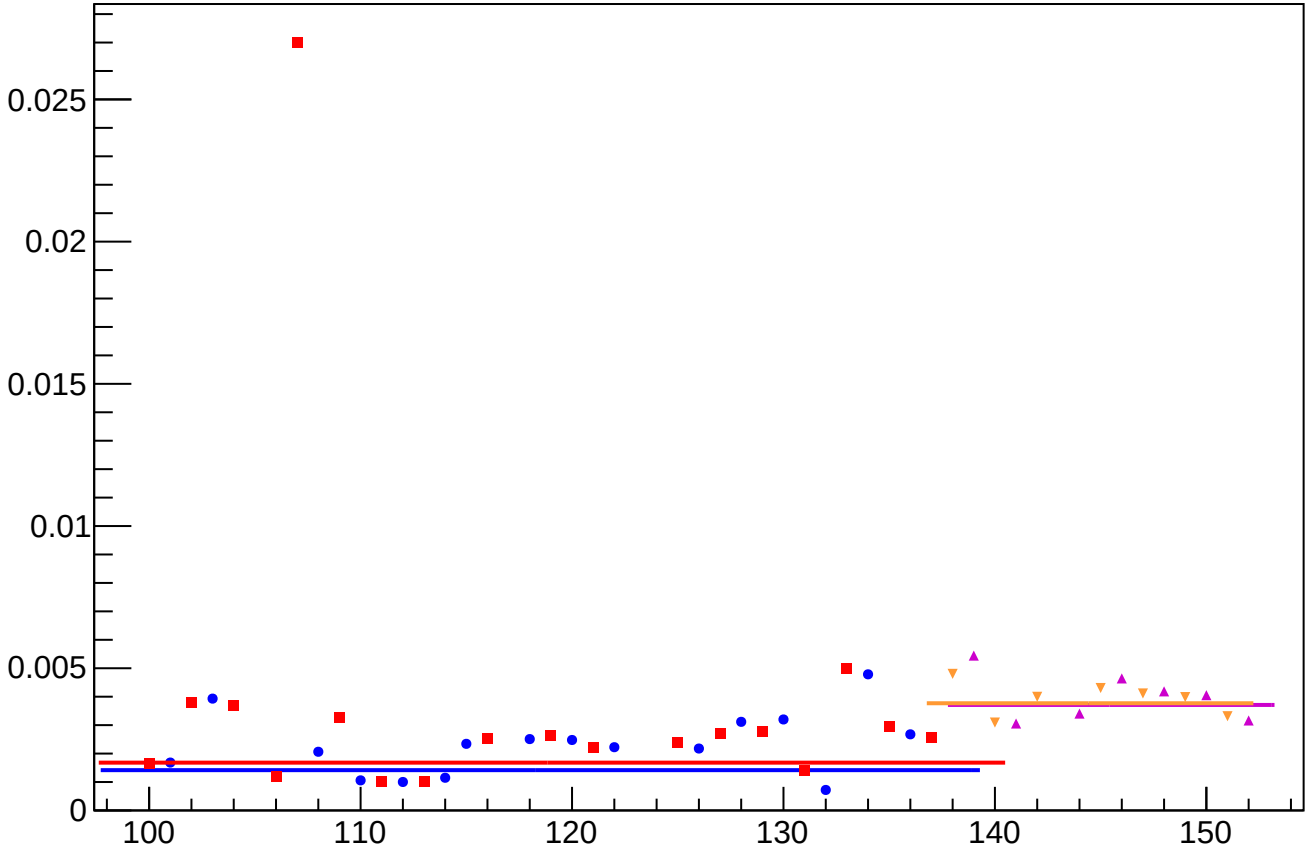
Left In: -0.000+/-0.000 χ^2/NDF:3.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 40.8/22

All: -0.000+/-0.000 χ^2/NDF: 60.9/47

- sign 0.000+/-0.000 χ^2/NDF: 18.8/24

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:224725.6/6

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

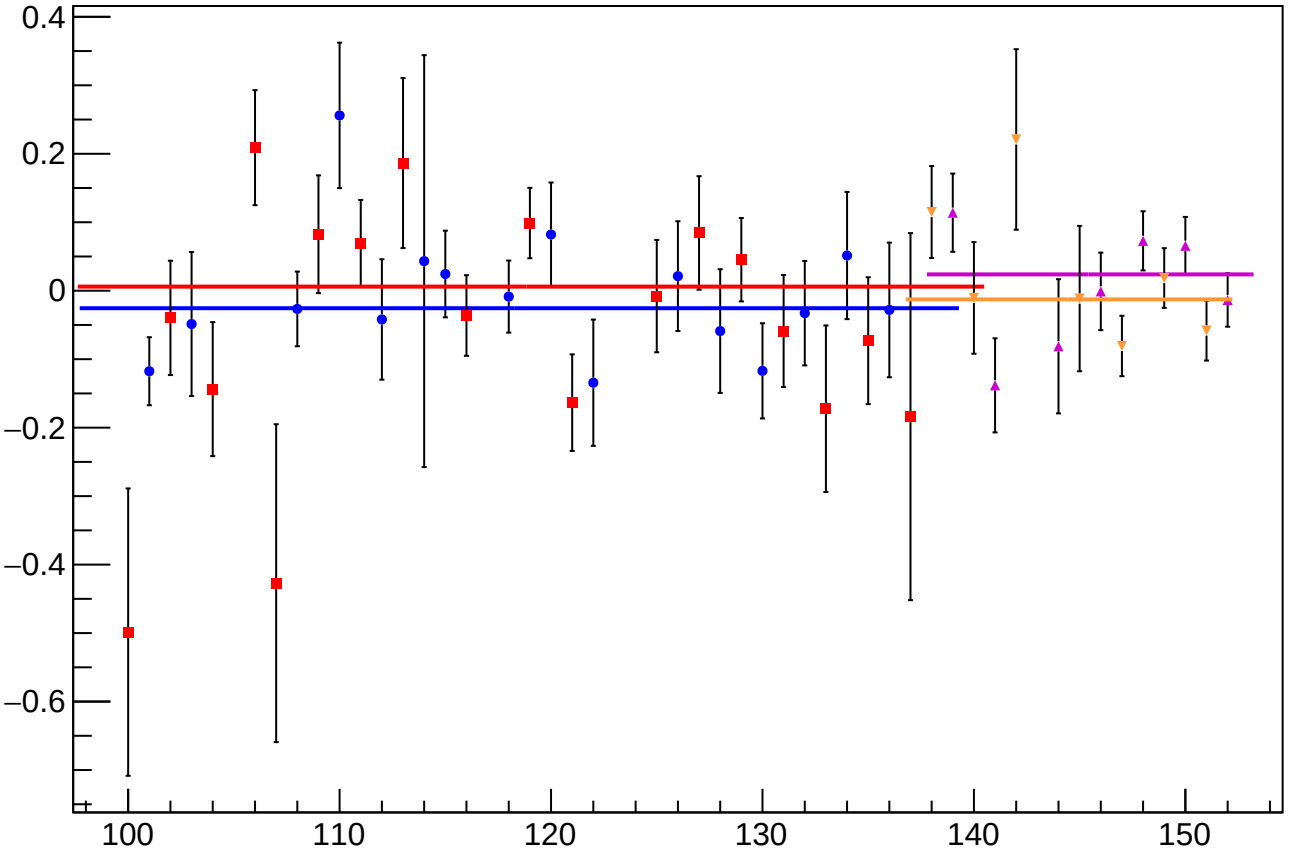
Left In: 0.004+/-0.000 χ^2/NDF:421319.2/6

+ sign 0.002+/-0.000 χ^2/NDF: 7296861.4/22

All: 0.002+/-0.000 χ^2/NDF: 14314556.9/47

- sign 0.002+/-0.000 χ^2/NDF: 6699577.1/24

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.013+/-0.022 χ^2/NDF:10.7/6

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

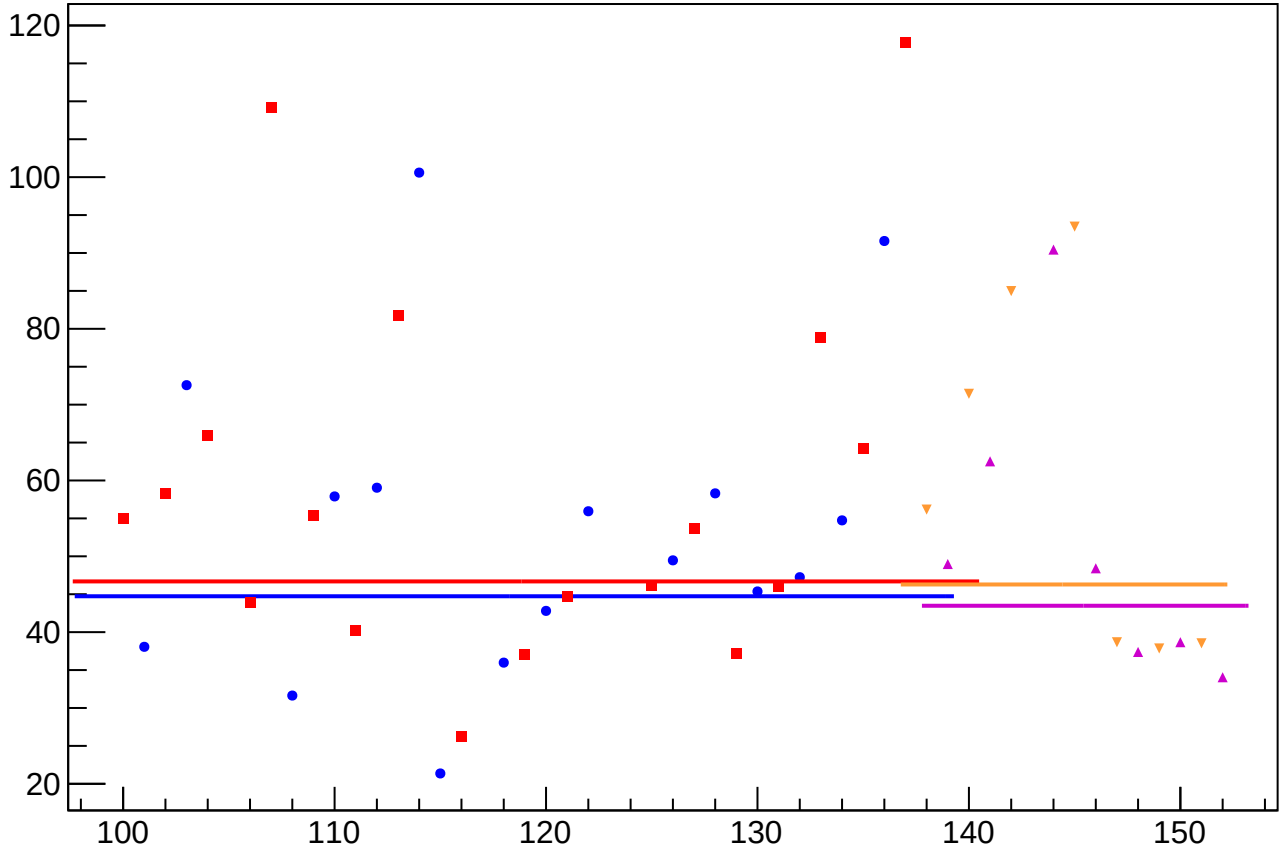
Left In: 0.024+/-0.019 χ^2/NDF:12.6/6

+ sign -0.020+/-0.014 χ^2/NDF: 28.5/22

All: -0.002+/-0.010 χ^2/NDF: 81.2/47

- sign 0.015+/-0.014 χ^2/NDF: 49.5/24

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 46.286+/-0.016 χ^2/NDF:998455.6/6

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

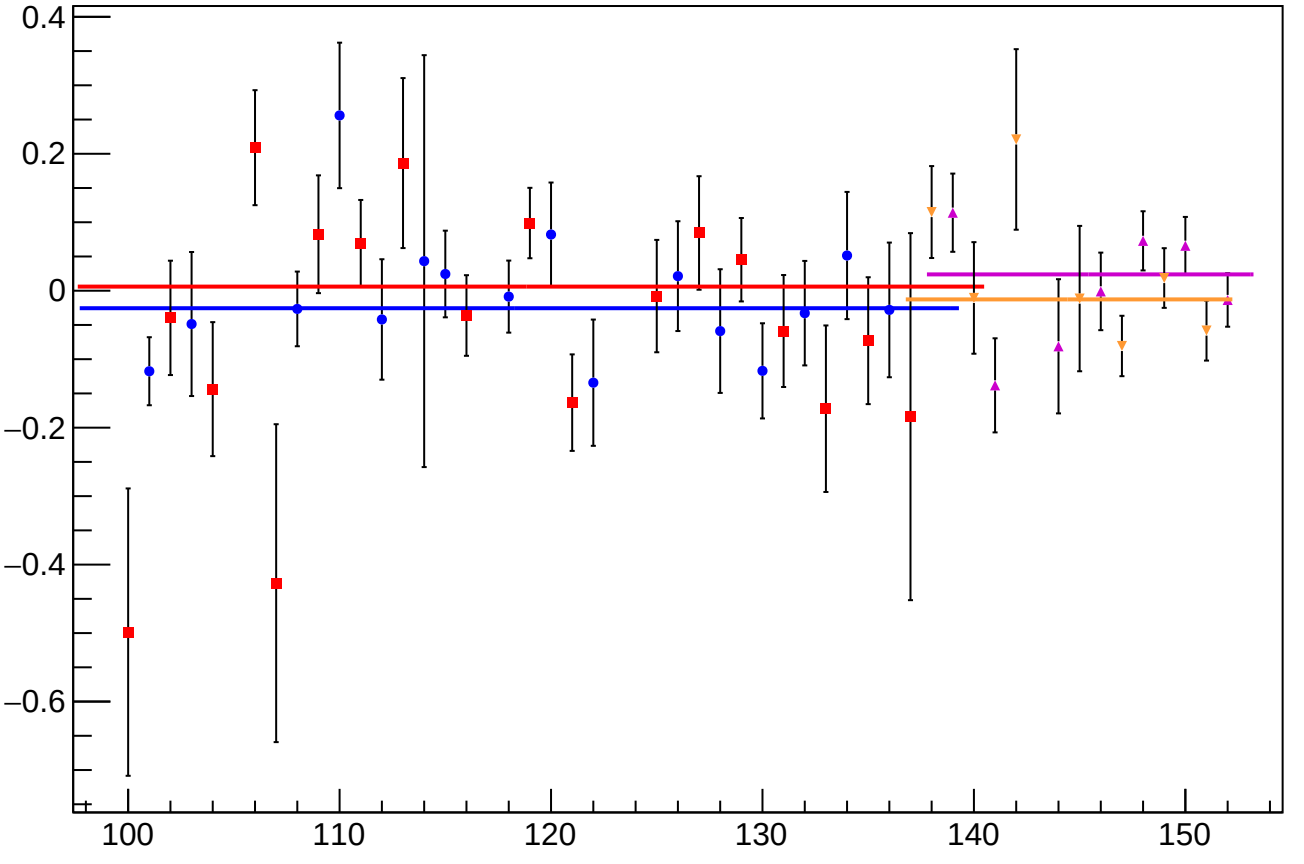
Left In: 43.480+/-0.014 χ^2/NDF:829155.1/6

+ sign 45.389+/-0.010 χ^2/NDF: 2338856.7/22

All: 45.226+/-0.007 χ^2/NDF: 4391569.7/47

- sign 45.076+/-0.010 χ^2/NDF: 2052209.7/24

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.013+/-0.022 χ^2/NDF:10.7/6

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

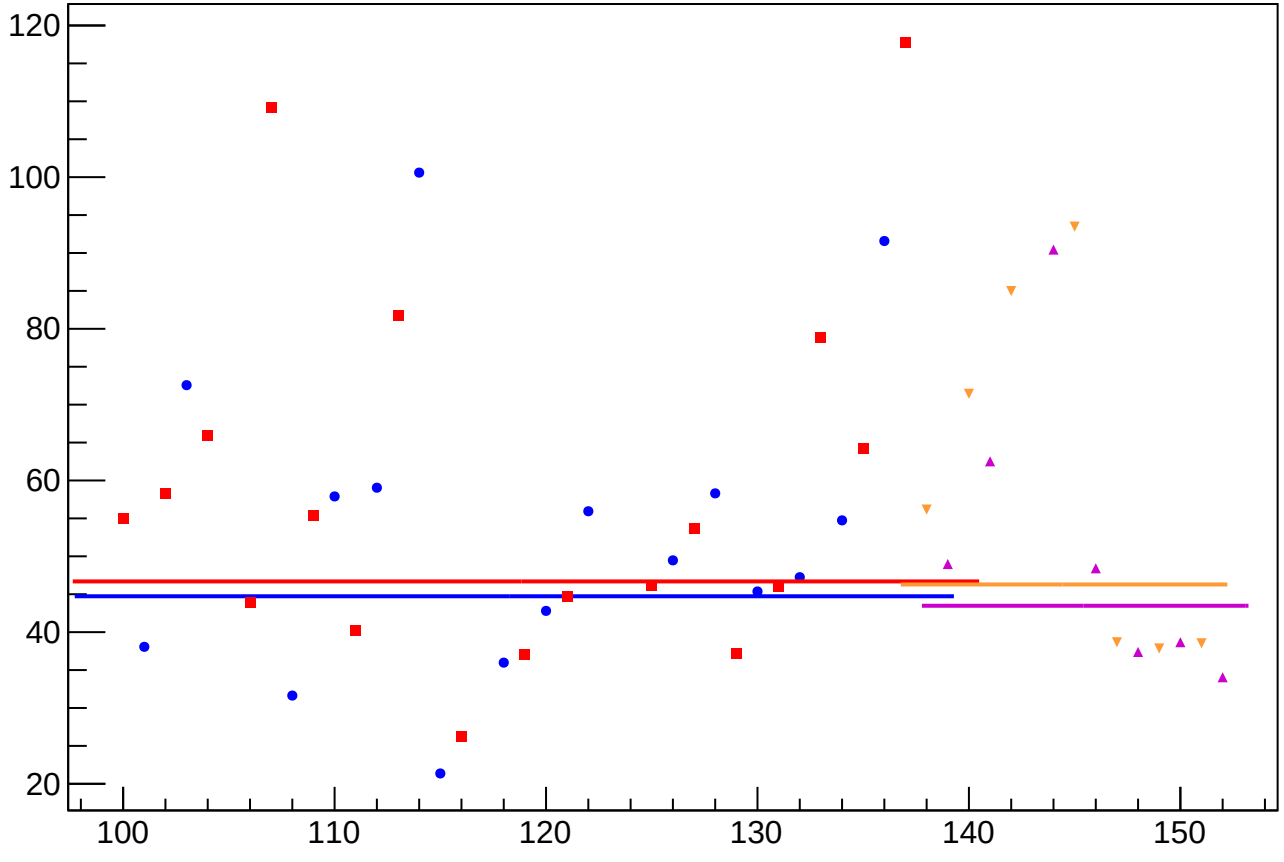
Left In: 0.024+/-0.019 χ^2/NDF:12.6/6

+ sign -0.020+/-0.014 χ^2/NDF: 28.5/22

All: -0.002+/-0.010 χ^2/NDF: 81.2/47

- sign 0.015+/-0.014 χ^2/NDF: 49.5/24

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: 46.286+/-0.016 χ^2/NDF:998455.6/6

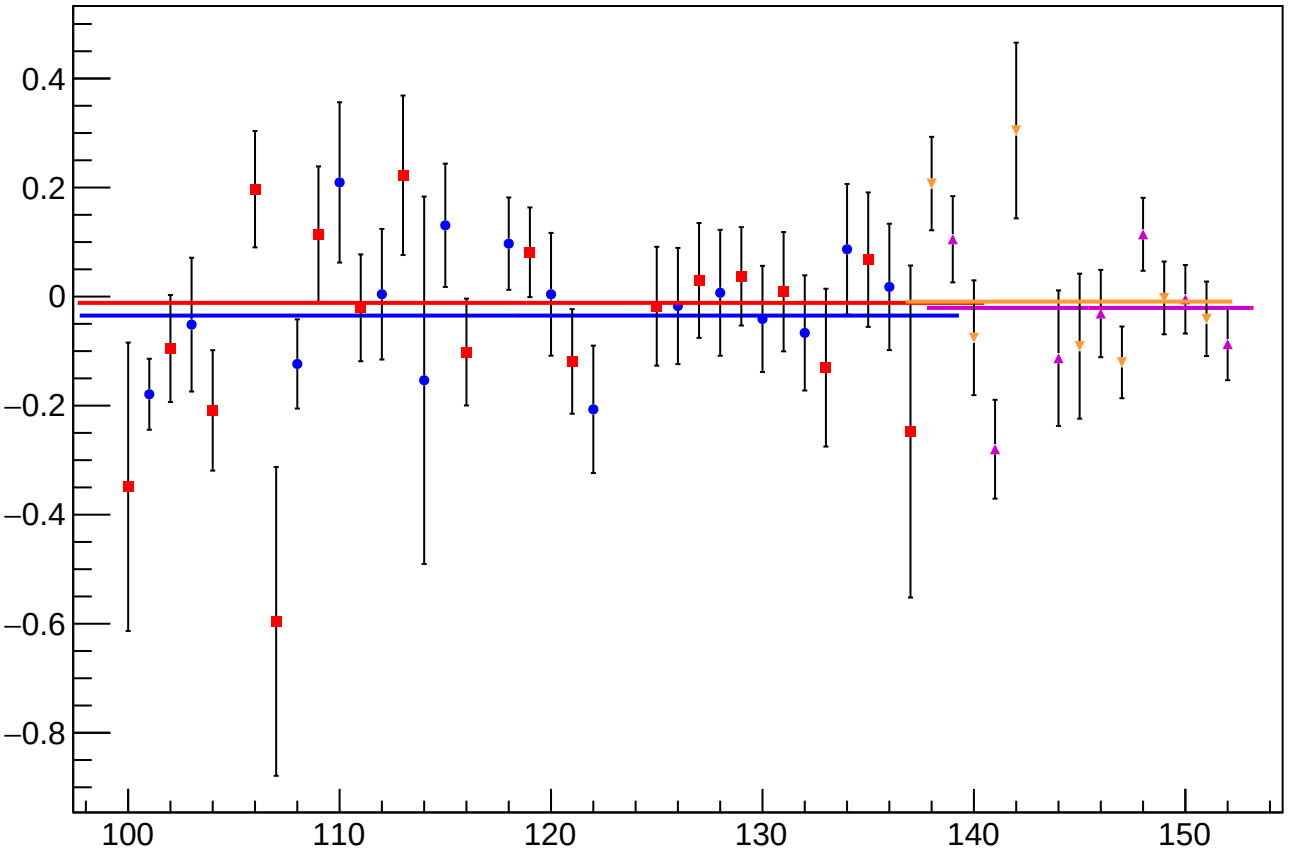
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.480+/-0.014 χ^2/NDF:829155.1/6

+ sign 45.389+/-0.010 χ^2/NDF: 2338856.7/22

All: 45.226+/-0.007 χ^2/NDF: 4391569.7/47

- sign 45.076+/-0.010 χ^2/NDF: 2052209.7/24



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

Left Out: -0.009+/-0.032 χ^2/NDF:14.1/6

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

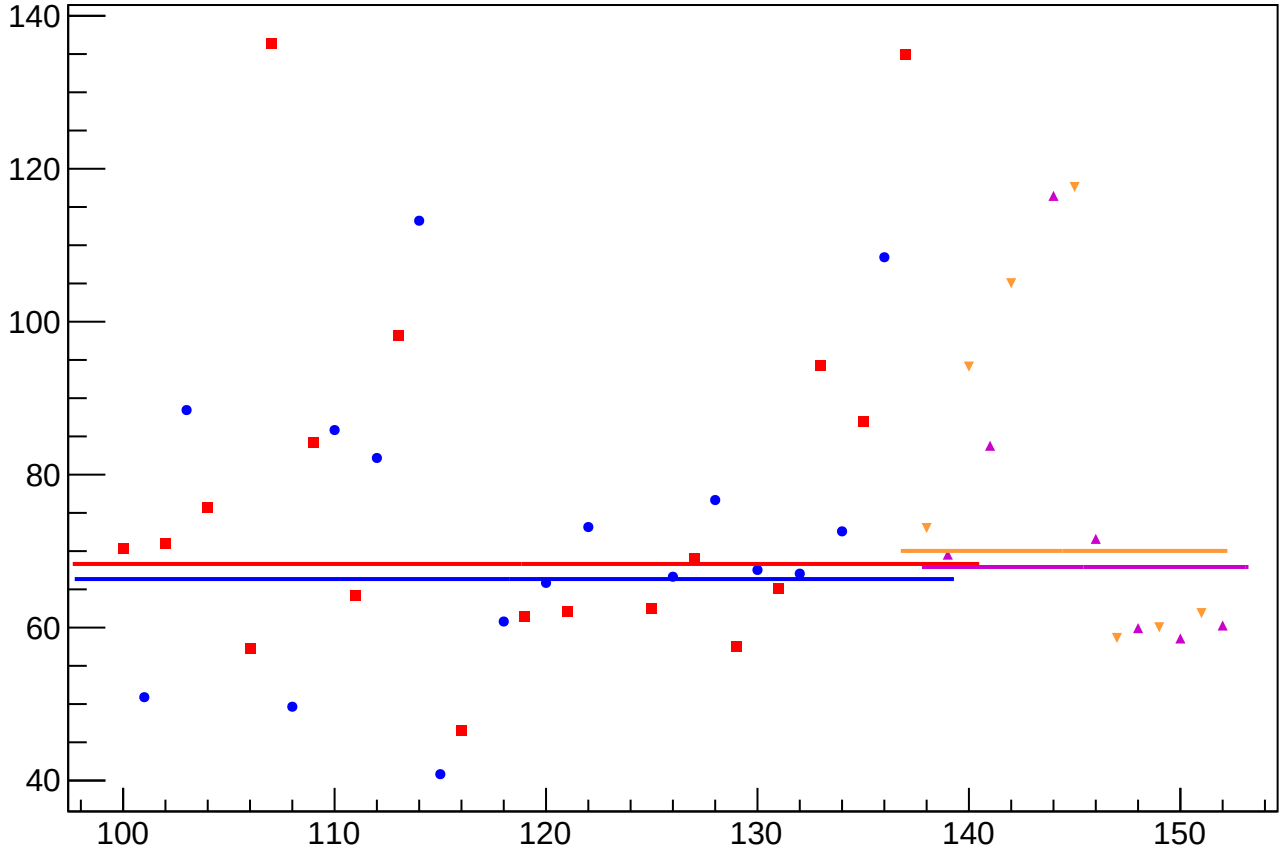
Left In: -0.021+/-0.029 χ^2/NDF:16.4/6

+ sign -0.024+/-0.020 χ^2/NDF: 31.9/22

All: -0.020+/-0.014 χ^2/NDF: 71.2/47

- sign -0.016+/-0.020 χ^2/NDF: 39.2/24

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: 70.028+/-0.022 χ^2/NDF:590735.7/6

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

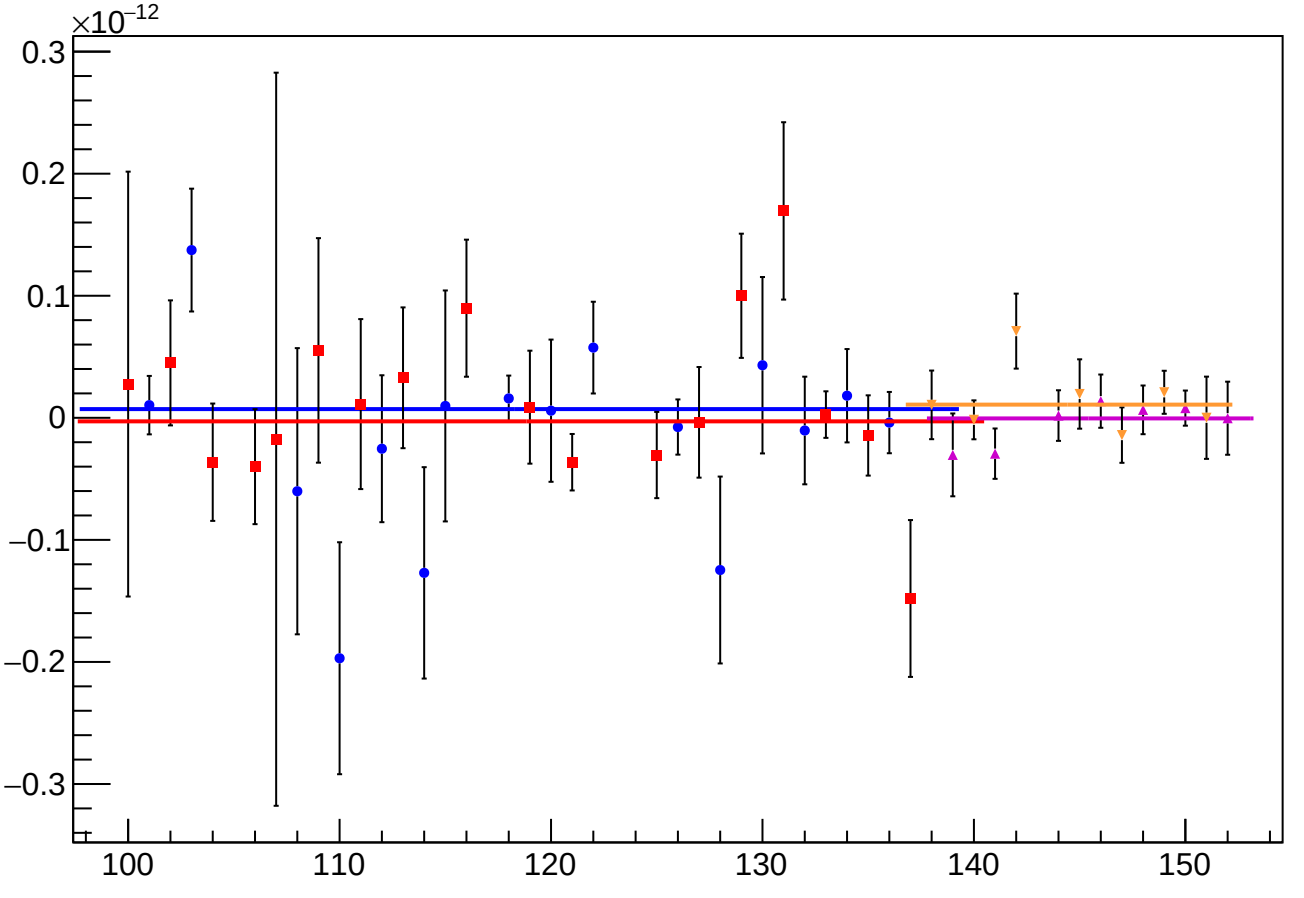
Left In: 67.926+/-0.020 χ^2/NDF:470634.9/6

+ sign 67.843+/-0.014 χ^2/NDF: 1379343.5/22

All: 67.994+/-0.010 χ^2/NDF: 2480062.1/47

- sign 68.137+/-0.014 χ^2/NDF: 1100502.3/24

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:6.2/6

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

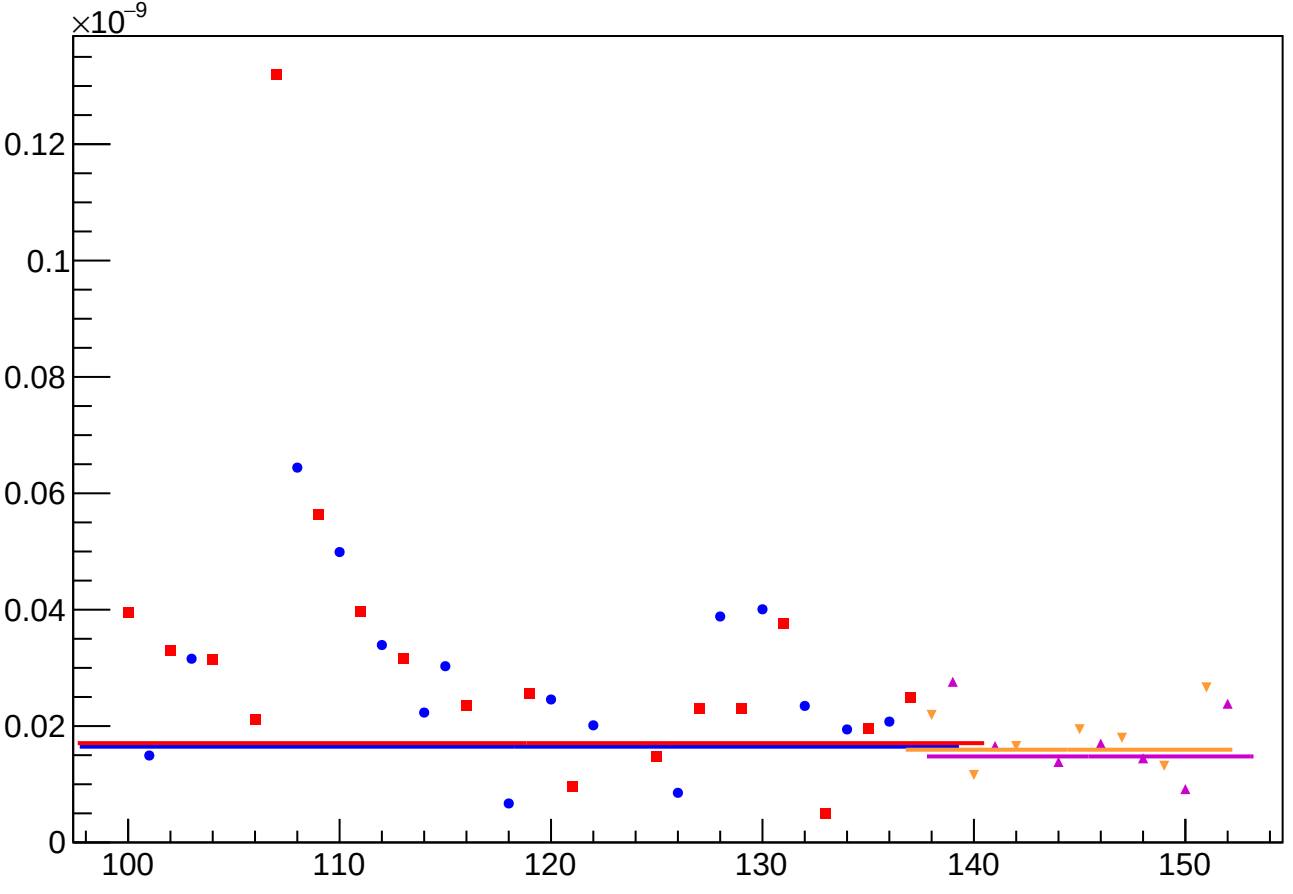
Left In: -0.000+/-0.000 χ^2/NDF:3.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 26.7/22

All: 0.000+/-0.000 χ^2/NDF: 55.2/47

- sign -0.000+/-0.000 χ^2/NDF: 27.0/24

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:537604.2/6

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

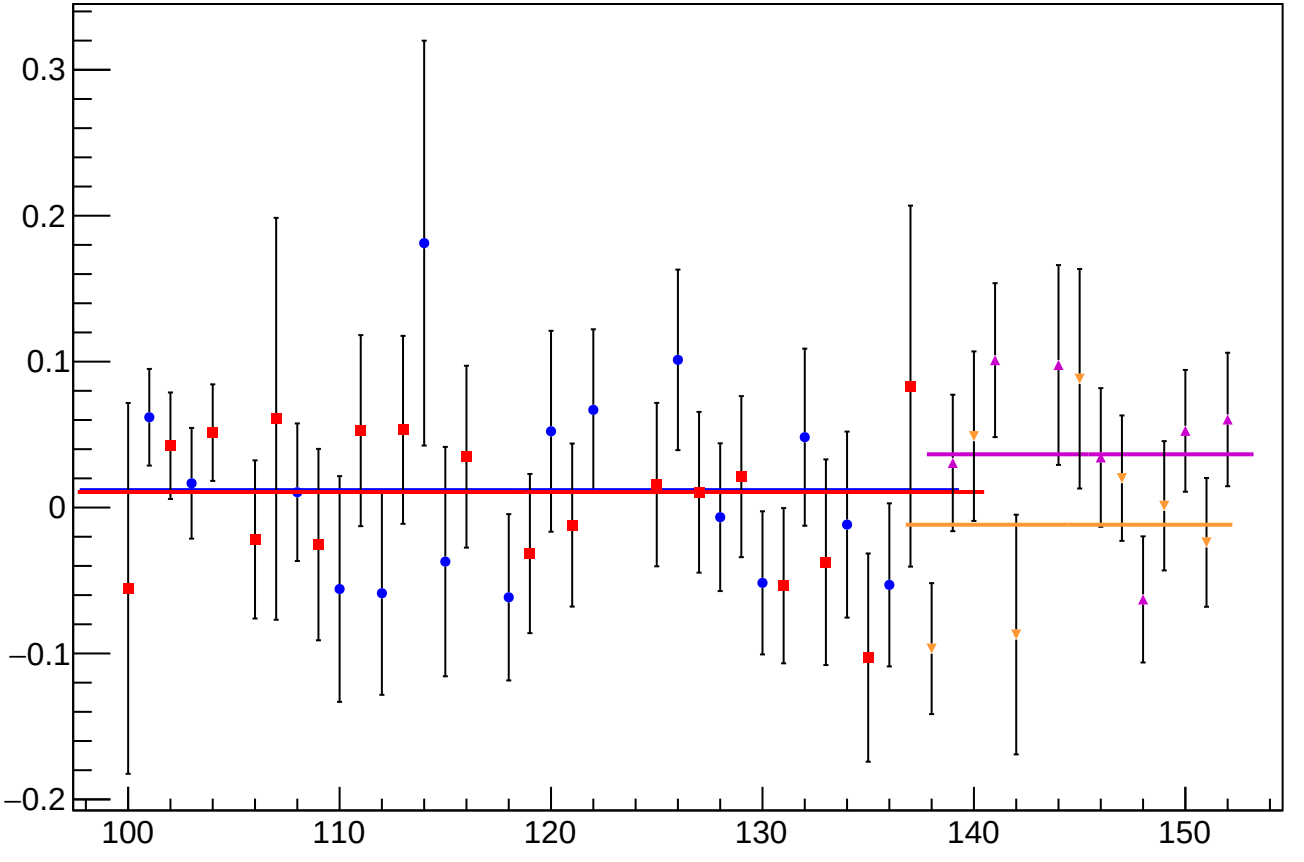
Left In: 0.000+/-0.000 χ^2/NDF:813288.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 2886921.0/22

All: 0.000+/-0.000 χ^2/NDF: 6564088.3/47

- sign 0.000+/-0.000 χ^2/NDF: 3670551.0/24

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.012+/-0.019 χ^2/NDF:8.0/6

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

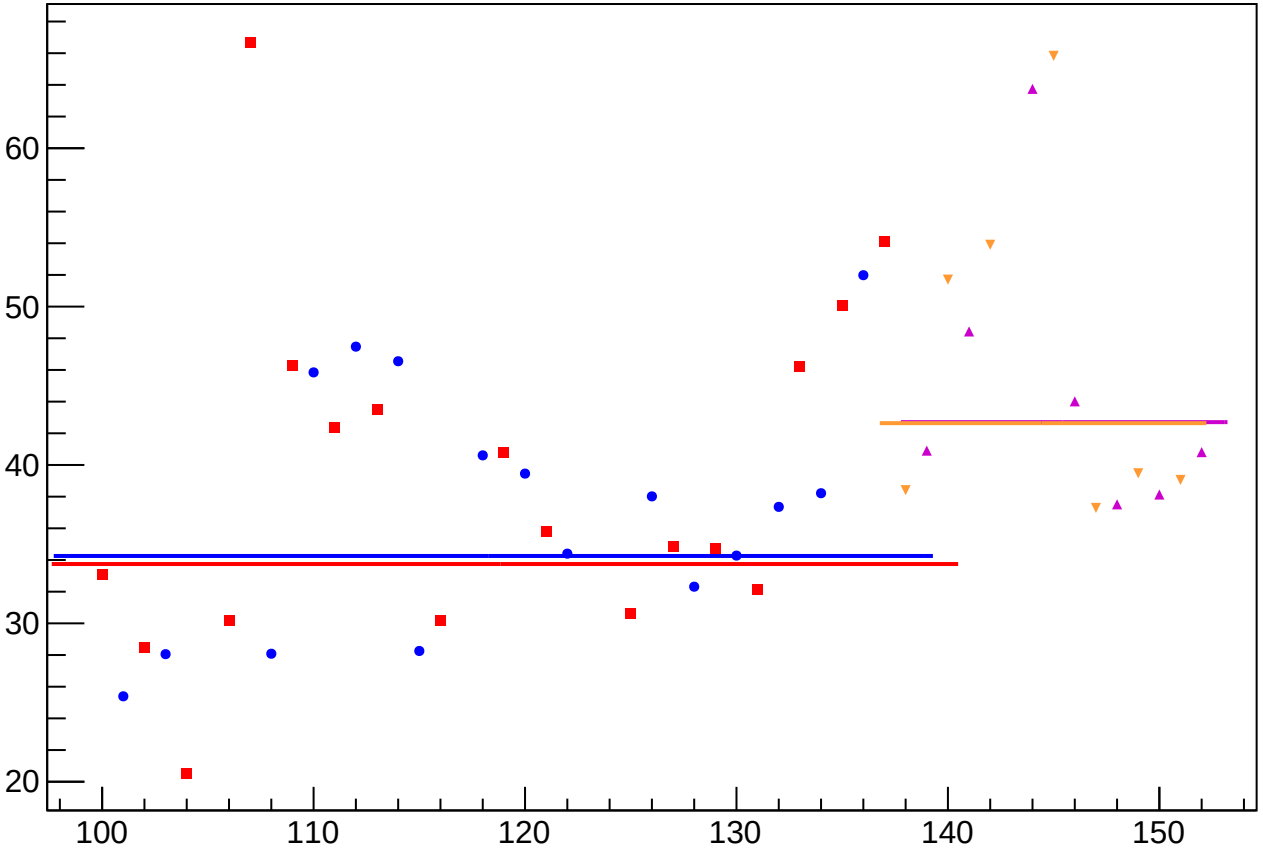
Left In: 0.036+/-0.018 χ^2/NDF:8.0/6

+ sign 0.004+/-0.011 χ^2/NDF: 23.7/22

All: 0.012+/-0.008 χ^2/NDF: 44.0/47

- sign 0.020+/-0.011 χ^2/NDF: 19.3/24

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 42.640+/-0.014 χ^2/NDF:348603.5/6

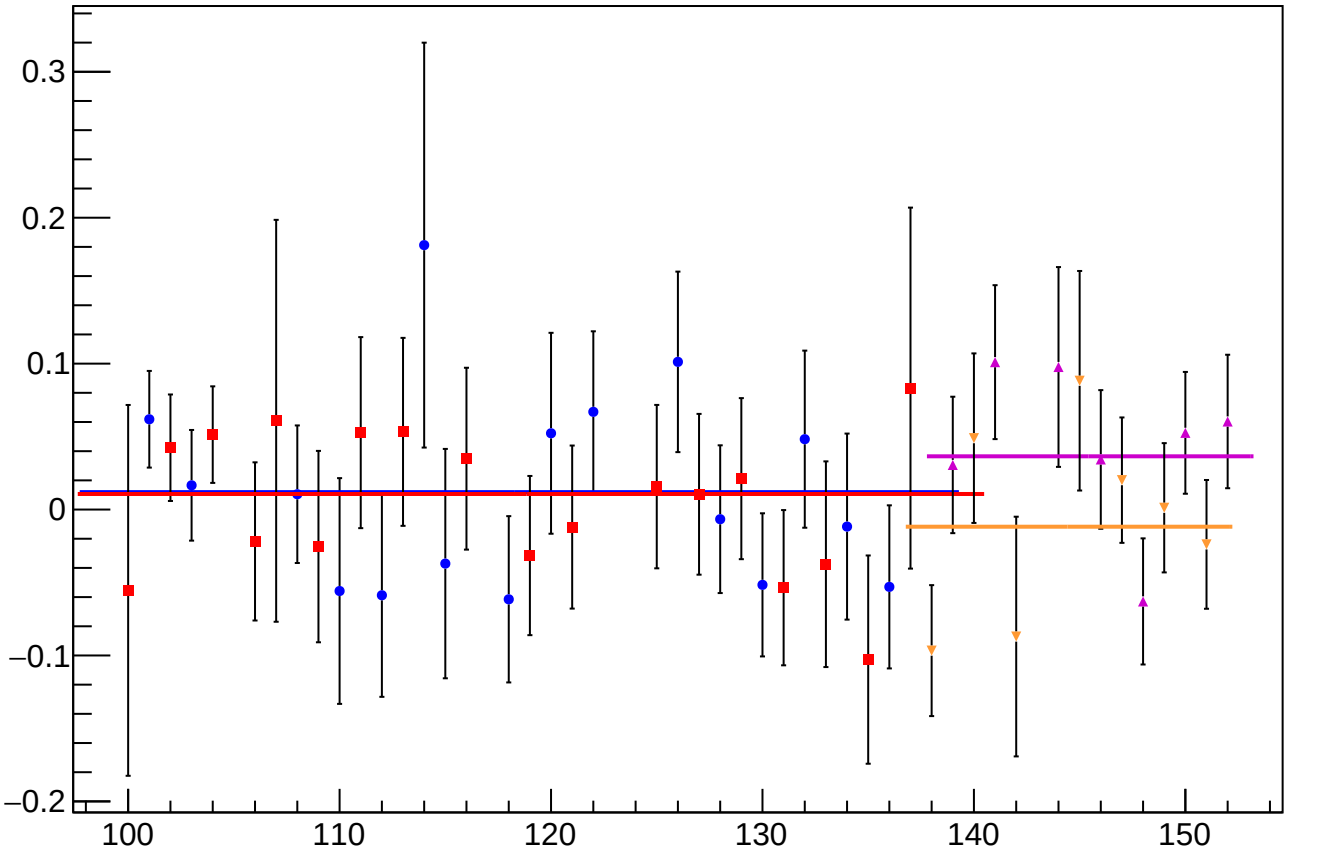
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 42.705+/-0.013 χ^2/NDF:273233.6/6

+ sign 37.039+/-0.008 χ^2/NDF: 1236607.5/22

All: 36.986+/-0.005 χ^2/NDF: 2738222.3/47

- sign 36.936+/-0.008 χ^2/NDF: 1501527.4/24



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

Left Out: -0.012+/-0.019 χ^2/NDF:8.0/6

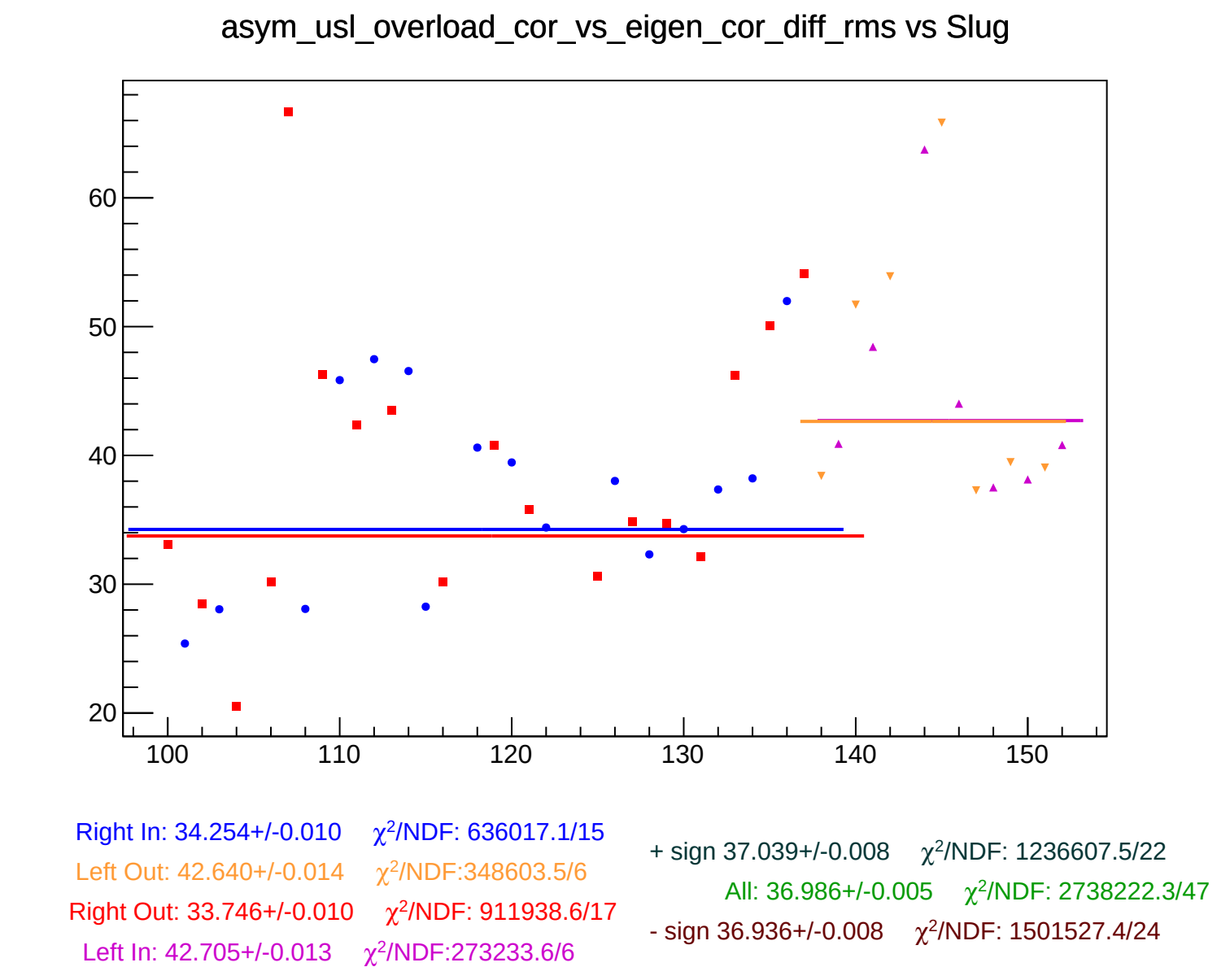
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.036+/-0.018 χ^2/NDF:8.0/6

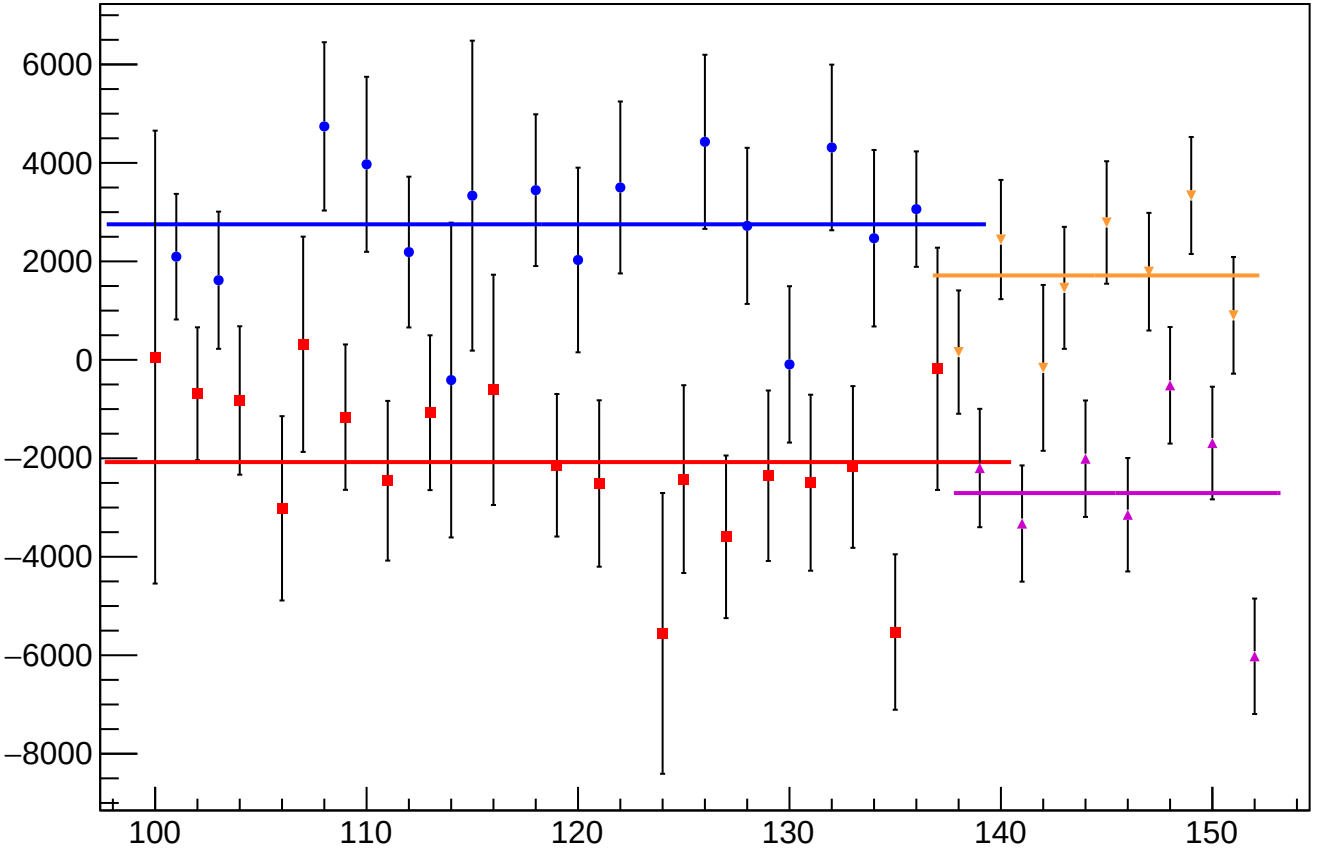
+ sign 0.004+/-0.011 χ^2/NDF: 23.7/22

All: 0.012+/-0.008 χ^2/NDF: 44.0/47

- sign 0.020+/-0.011 χ^2/NDF: 19.3/24


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: 42.640+/-0.014 χ²/NDF:348603.5/6
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 42.705+/-0.013 χ²/NDF:273233.6/6
+ sign 37.039+/-0.008 χ²/NDF: 1236607.5/22
All: 36.986+/-0.005 χ²/NDF: 2738222.3/47
- sign 36.936+/-0.008 χ²/NDF: 1501527.4/24

reg_asym_usr_mean vs Slug



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

Left Out: 1714.526+/-443.283 χ^2/NDF:6.3/7

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

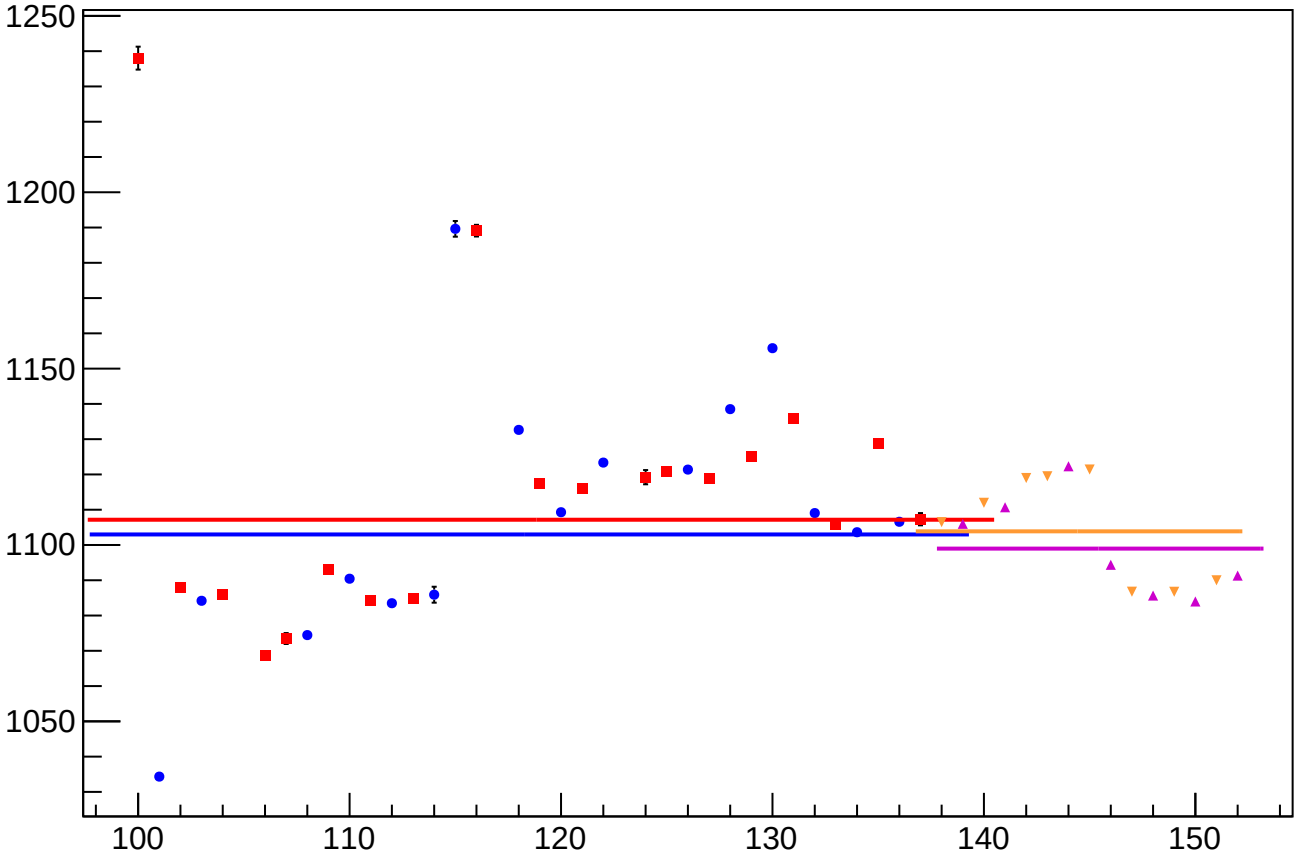
Left In: -2705.599+/-443.560 χ^2/NDF:13.2/6

+ sign 2274.480+/-300.929 χ^2/NDF: 18.7/23

All: -61.581+/-211.960 χ^2/NDF: 165.1/49

- sign -2361.577+/-298.597 χ^2/NDF: 26.8/25

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1103.870+/-0.313 χ^2/NDF:2073.5/7

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

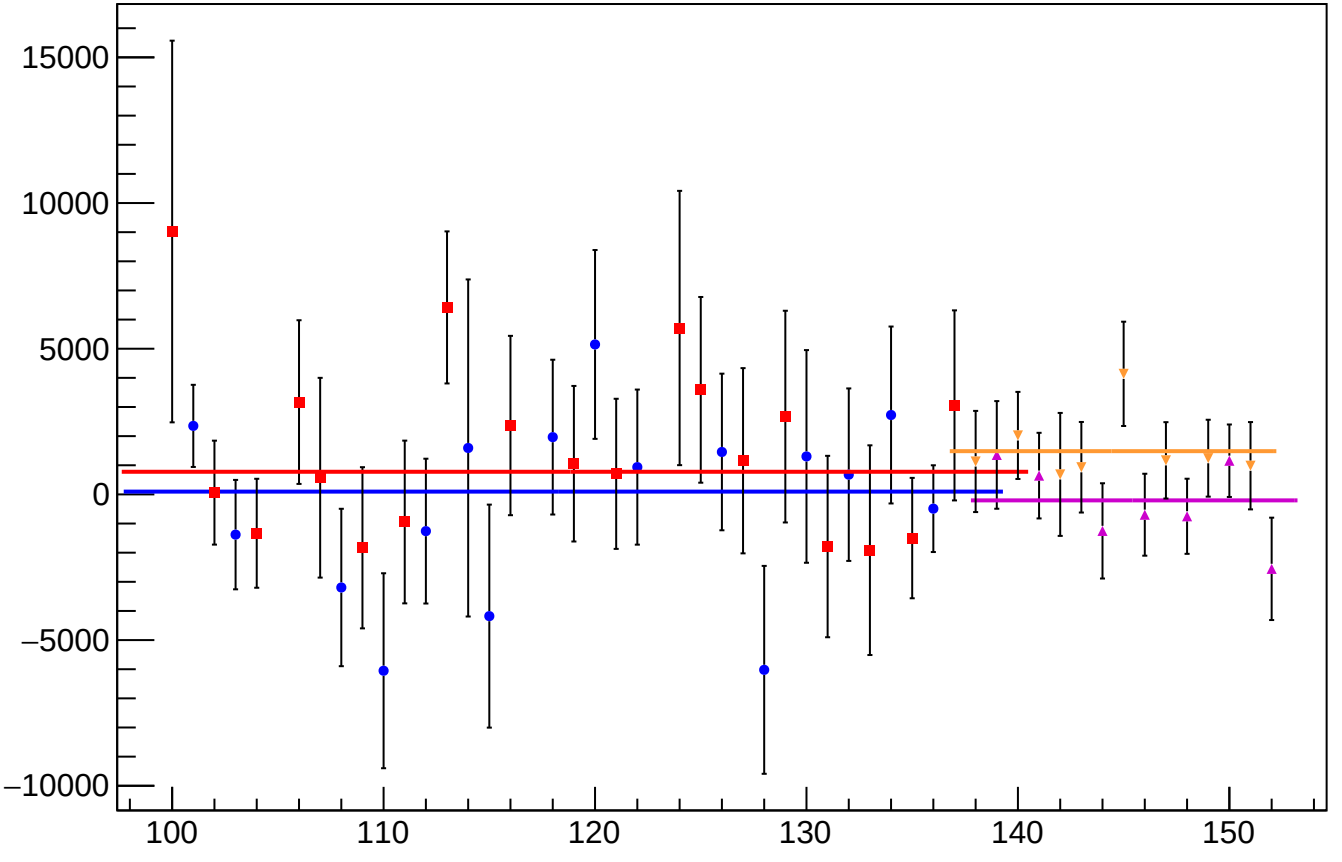
Left In: 1098.974+/-0.314 χ^2/NDF:1757.4/6

+ sign 1103.394+/-0.213 χ^2/NDF: 15301.5/23

All: 1103.422+/-0.150 χ^2/NDF: 26114.8/49

- sign 1103.450+/-0.211 χ^2/NDF: 10813.2/25

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1484.078+/-547.771 χ^2/NDF:2.8/7

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

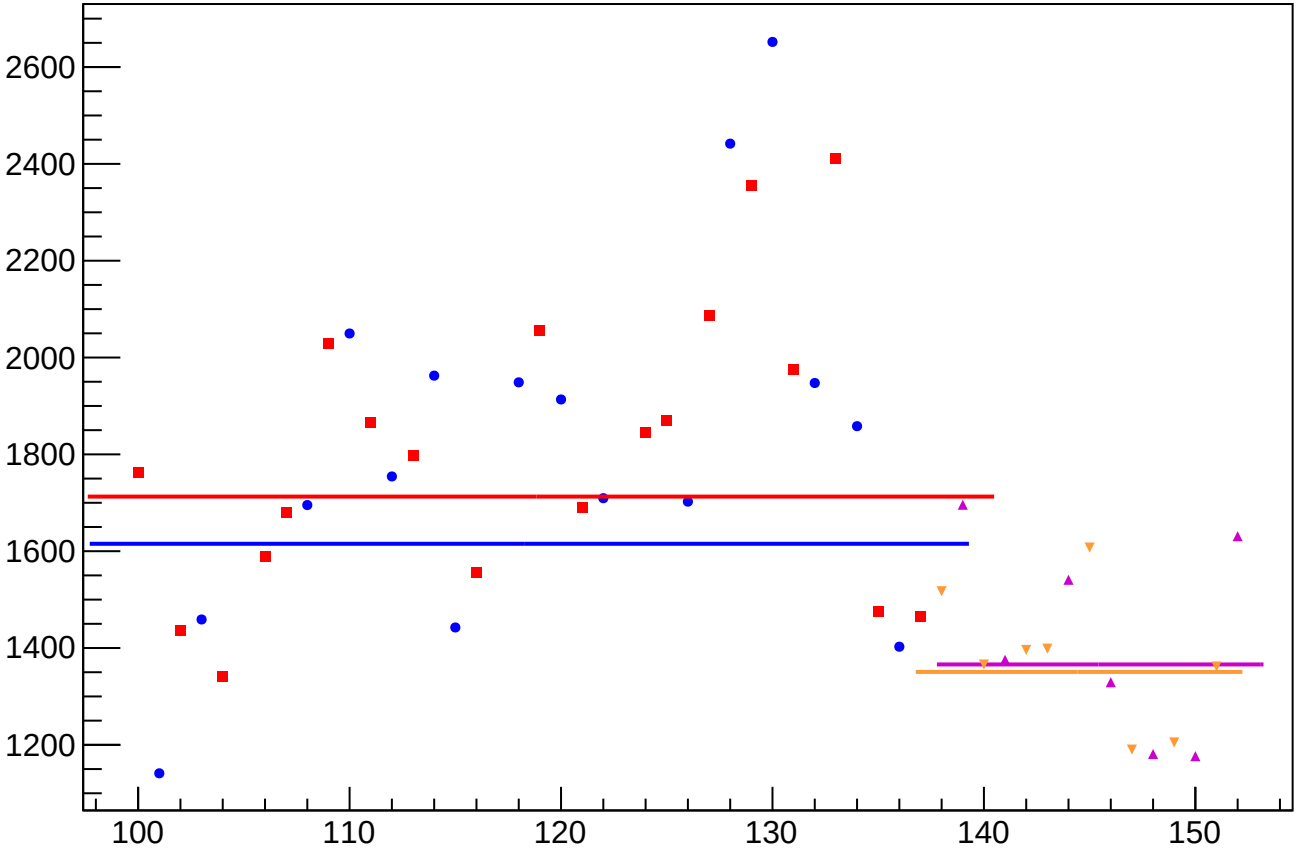
Left In: -205.085+/-558.250 χ^2/NDF:4.7/6

+ sign 873.443+/-409.951 χ^2/NDF: 22.6/23

All: 555.260+/-293.310 χ^2/NDF: 45.0/49

- sign 221.556+/-419.831 χ^2/NDF: 21.2/25

asym_usr_reg_correction_rms vs Slug



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

Left Out: 1350.686+/-0.387 χ^2/NDF:117165.6/7

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

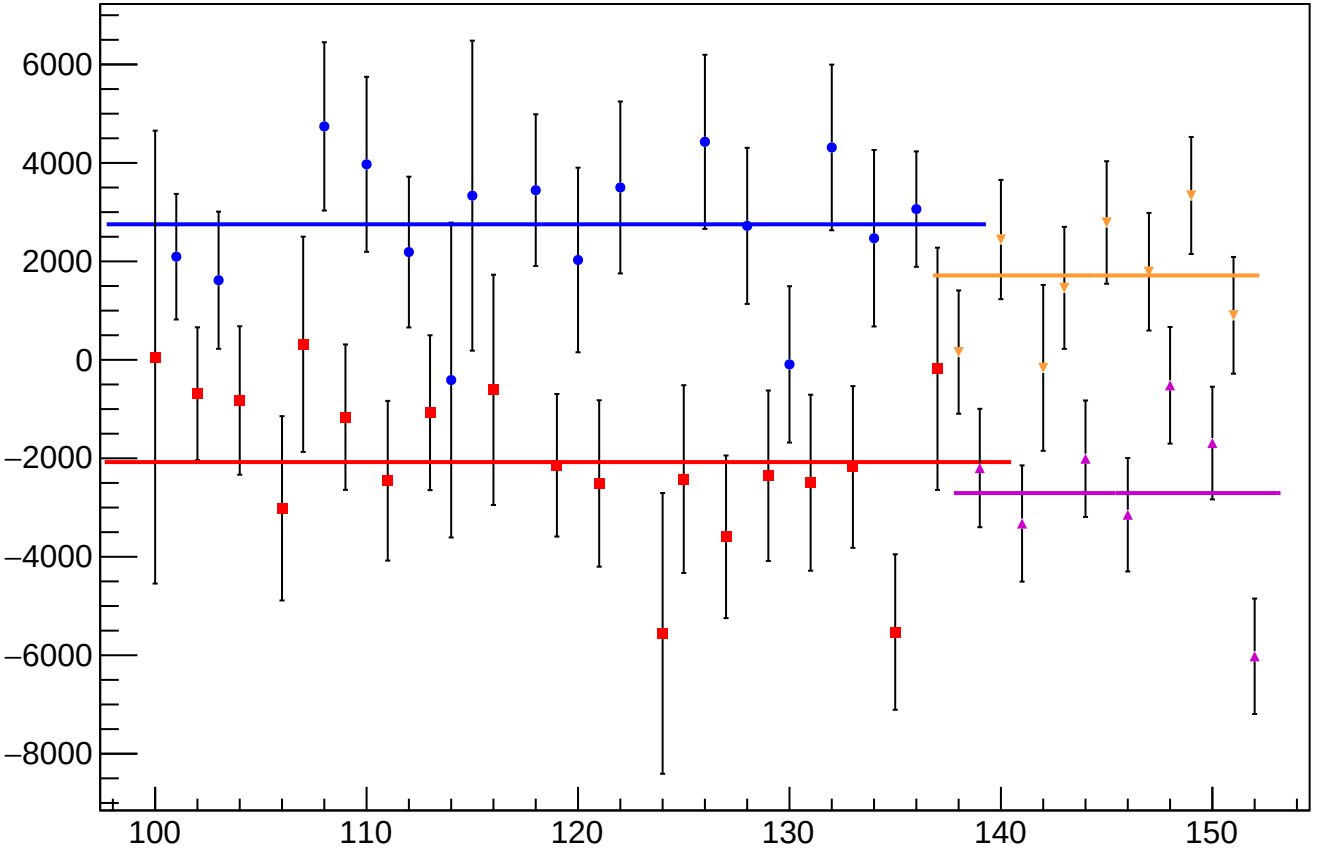
Left In: 1366.077+/-0.395 χ^2/NDF:221257.4/6

+ sign 1467.096+/-0.290 χ^2/NDF: 1016130.3/23

All: 1491.308+/-0.207 χ^2/NDF: 2014902.1/49

- sign 1516.701+/-0.297 χ^2/NDF: 984478.9/25

cor_asym_usr_mean vs Slug



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

Left Out: 1714.526+/-443.283 χ^2/NDF:6.3/7

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

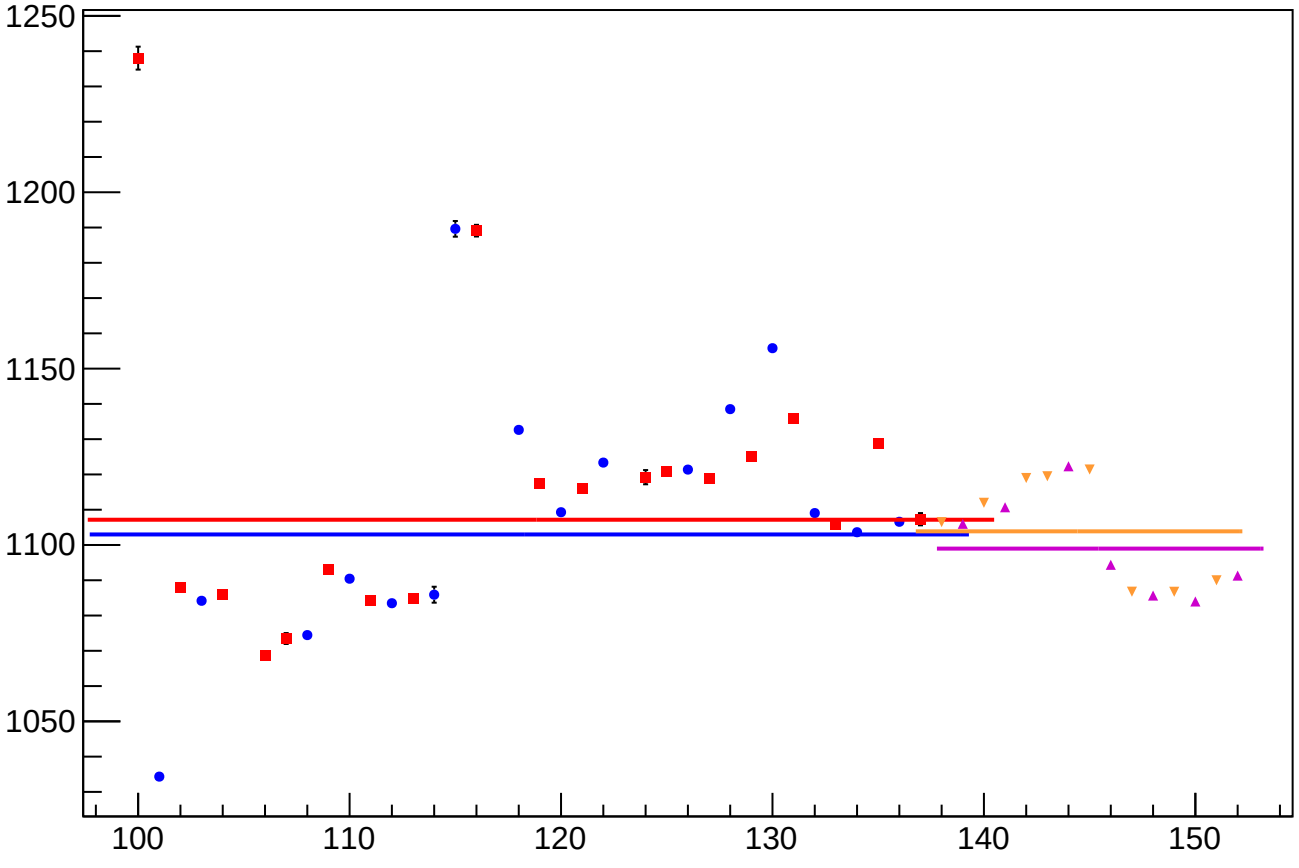
Left In: -2705.599+/-443.560 χ^2/NDF:13.2/6

+ sign 2274.480+/-300.929 χ^2/NDF: 18.7/23

All: -61.581+/-211.960 χ^2/NDF: 165.1/49

- sign -2361.577+/-298.597 χ^2/NDF: 26.8/25

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1103.870+/-0.313 χ^2/NDF:2073.5/7

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

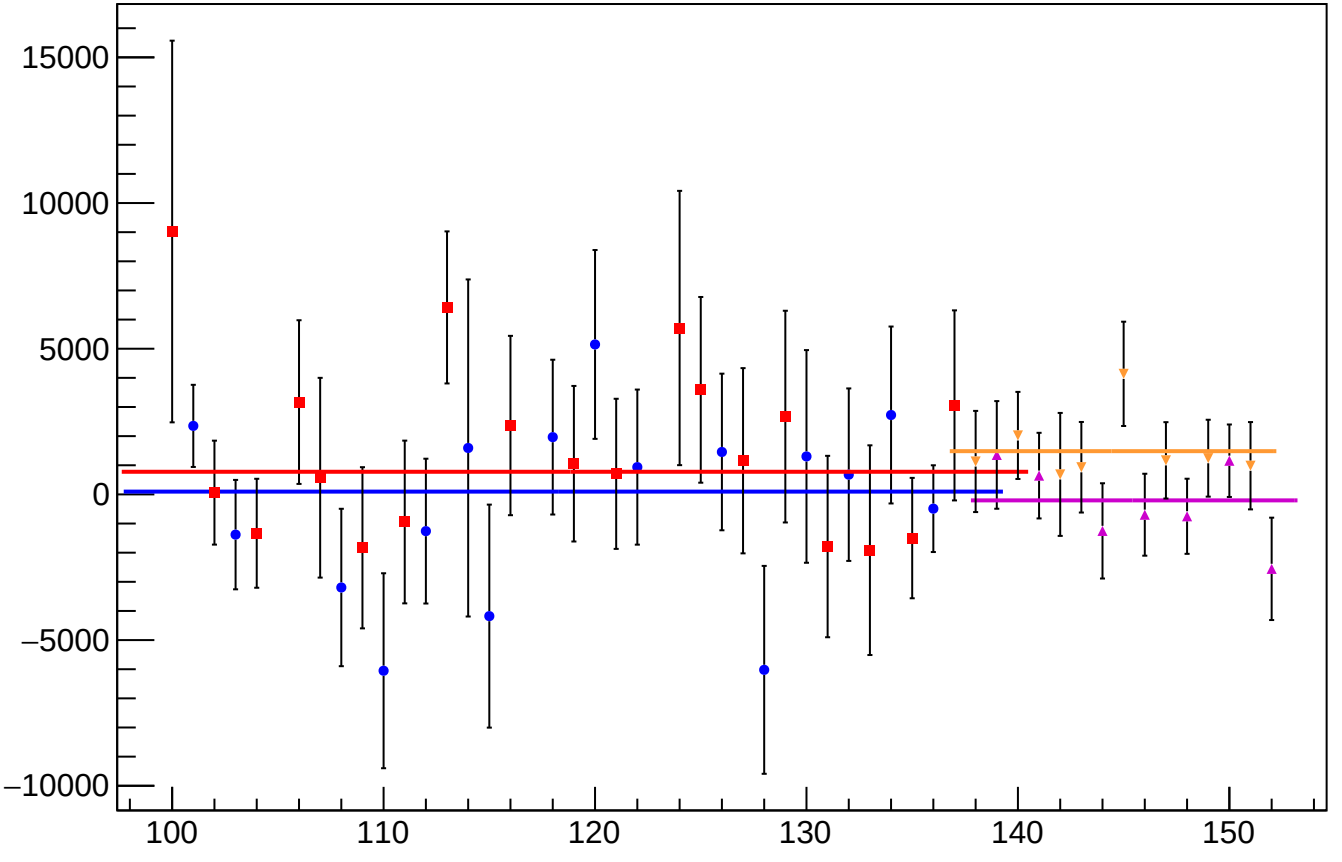
Left In: 1098.974+/-0.314 χ^2/NDF:1757.4/6

+ sign 1103.394+/-0.213 χ^2/NDF: 15301.5/23

All: 1103.422+/-0.150 χ^2/NDF: 26114.8/49

- sign 1103.450+/-0.211 χ^2/NDF: 10813.2/25

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1484.078+/-547.771 χ^2/NDF:2.8/7

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

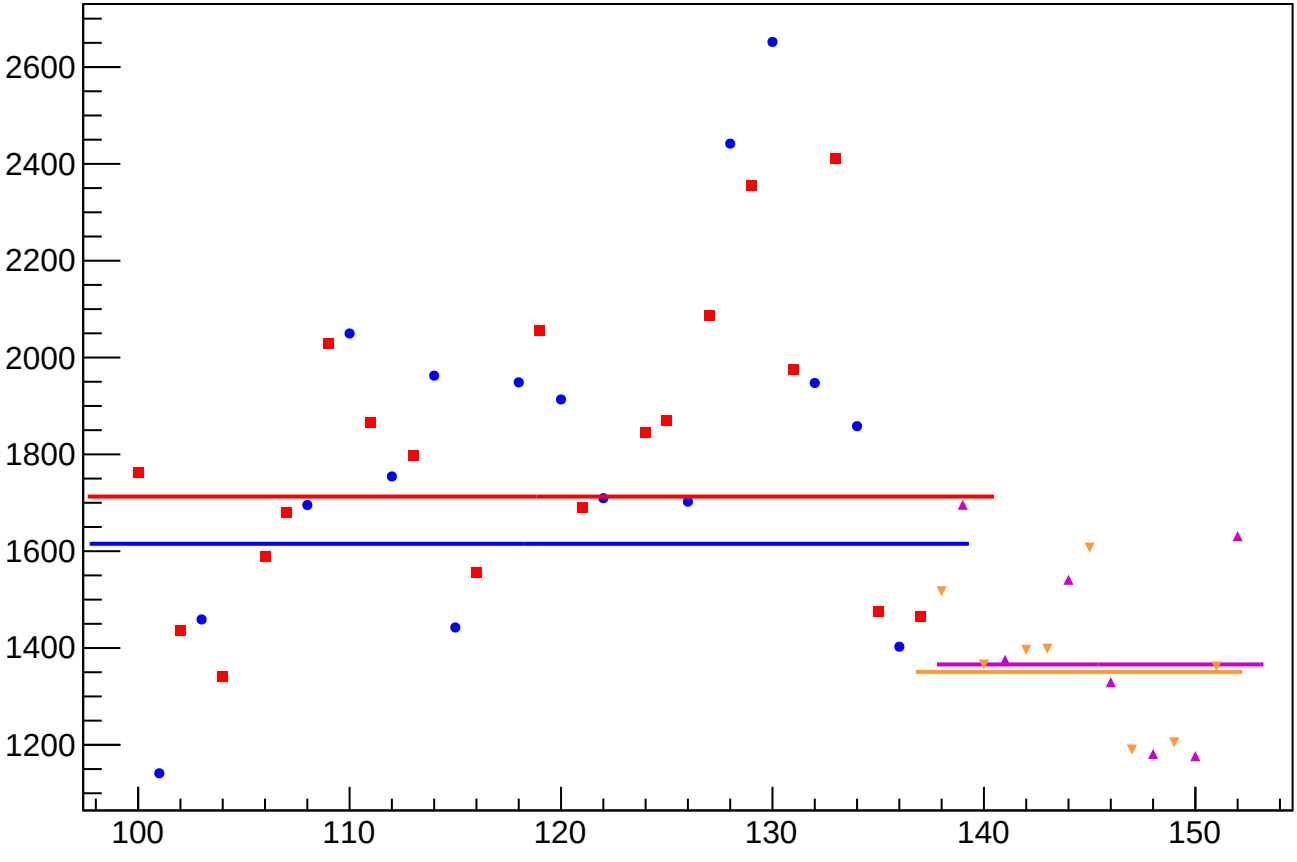
Left In: -205.085+/-558.250 χ^2/NDF:4.7/6

+ sign 873.443+/-409.951 χ^2/NDF: 22.6/23

All: 555.260+/-293.310 χ^2/NDF: 45.0/49

- sign 221.556+/-419.831 χ^2/NDF: 21.2/25

asym_usr_cor_correction_rms vs Slug



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

Left Out: 1350.686+/-0.387 χ^2/NDF:117165.6/7

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

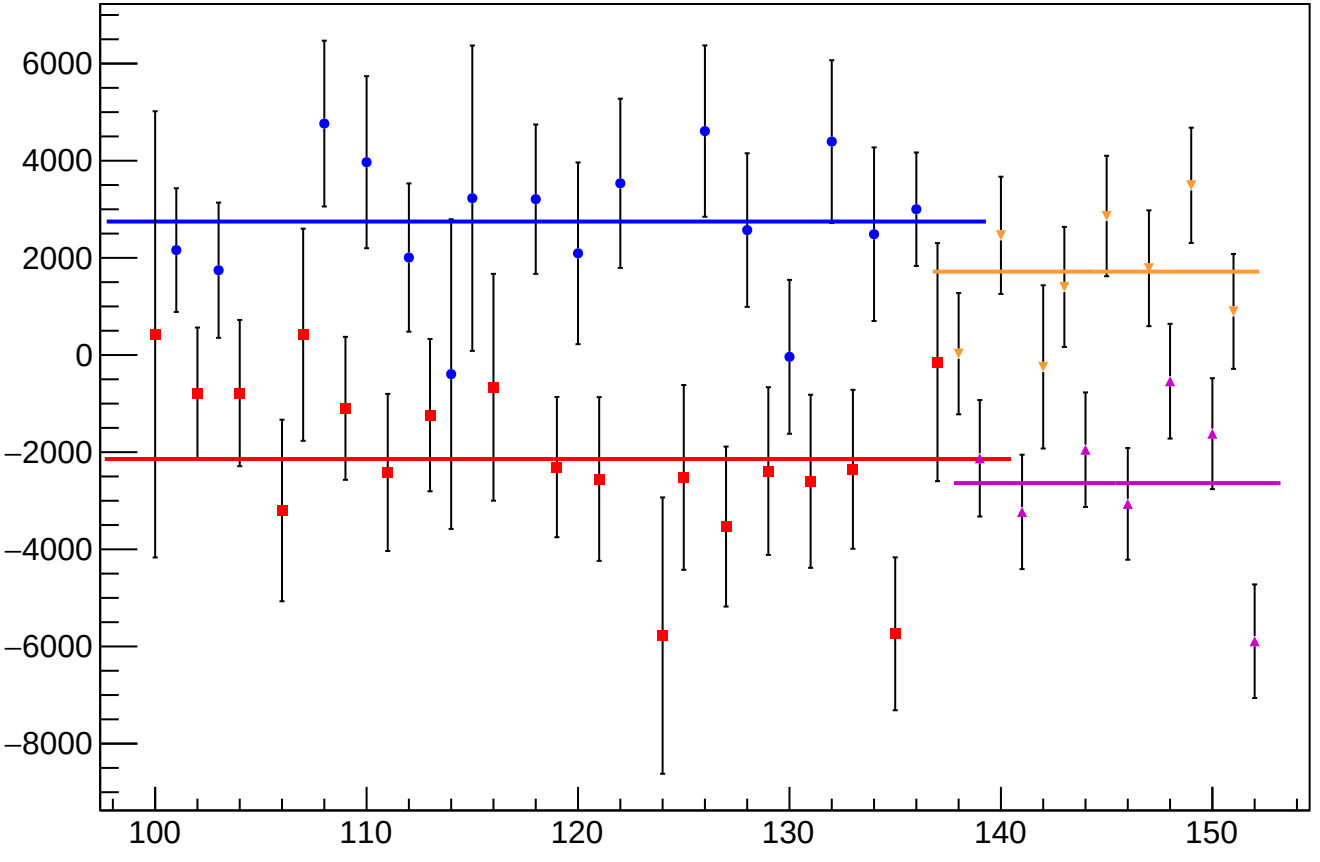
Left In: 1366.077+/-0.395 χ^2/NDF:221257.4/6

+ sign 1467.096+/-0.290 χ^2/NDF: 1016130.3/23

All: 1491.308+/-0.207 χ^2/NDF: 2014902.1/49

- sign 1516.701+/-0.297 χ^2/NDF: 984478.9/25

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1716.814+/-442.053 χ^2/NDF:7.2/7

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

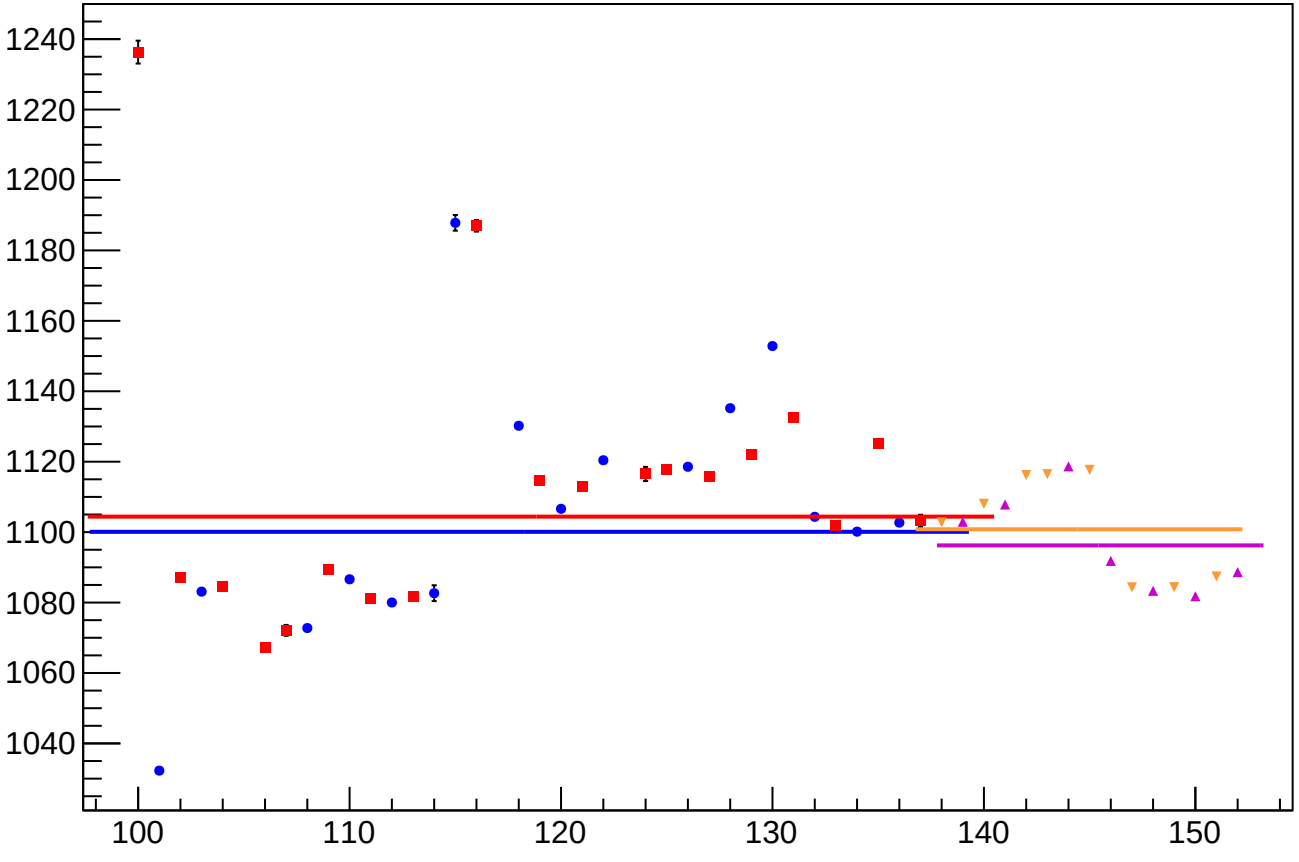
Left In: -2636.211+/-442.453 χ^2/NDF:12.6/6

+ sign 2272.665+/-300.117 χ^2/NDF: 19.7/23

All: -63.994+/-211.410 χ^2/NDF: 166.8/49

- sign -2365.511+/-297.852 χ^2/NDF: 26.8/25

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1100.812+/-0.313 χ^2/NDF:1959.5/7

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

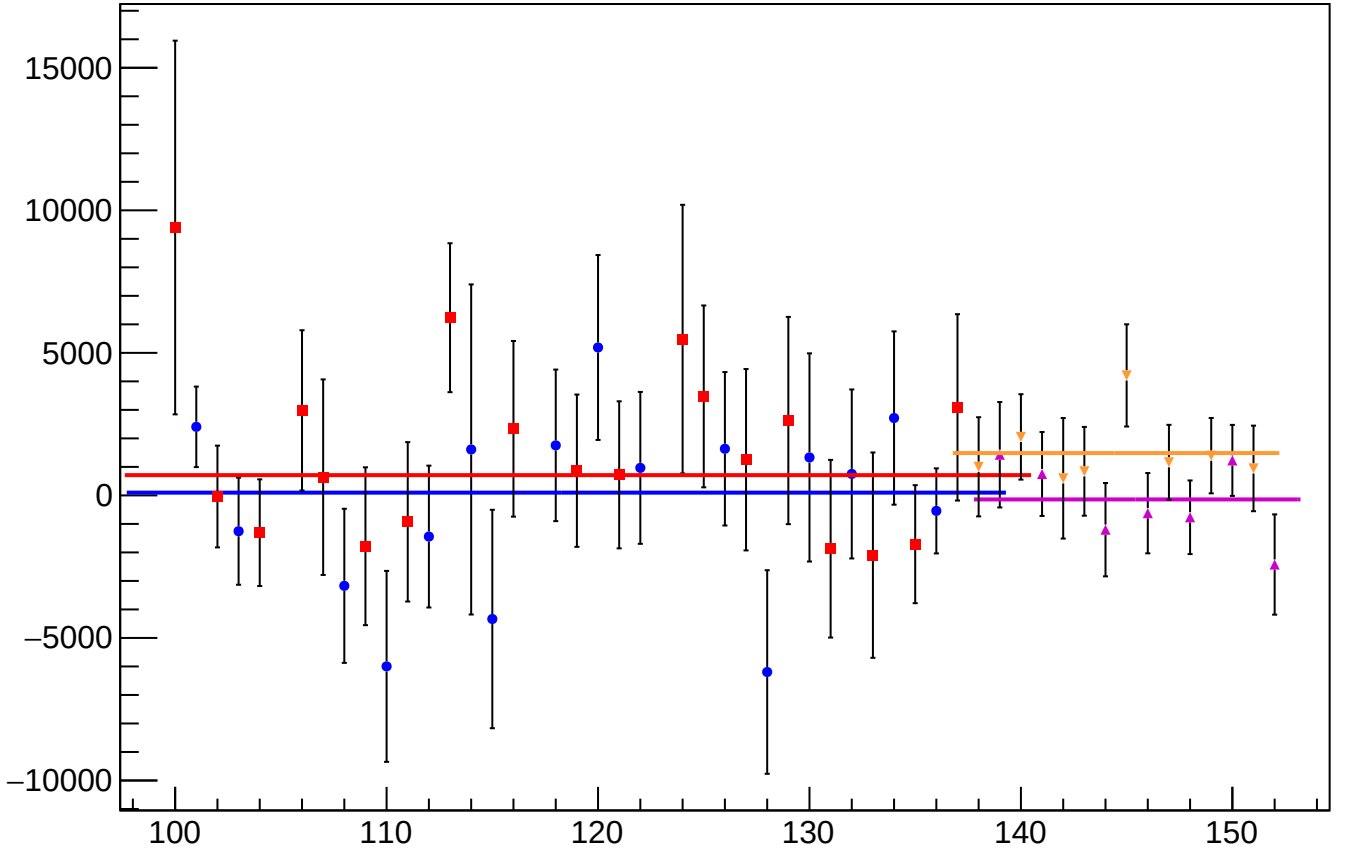
Left In: 1096.235+/-0.313 χ^2/NDF:1654.2/6

+ sign 1100.423+/-0.212 χ^2/NDF: 15039.5/23

All: 1100.563+/-0.149 χ^2/NDF: 25610.7/49

- sign 1100.701+/-0.211 χ^2/NDF: 10570.4/25

asym_usr_overload_cor_correction_mean vs Slug



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

Left Out: 1485.313+/-548.764 χ^2/NDF:3.1/7

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

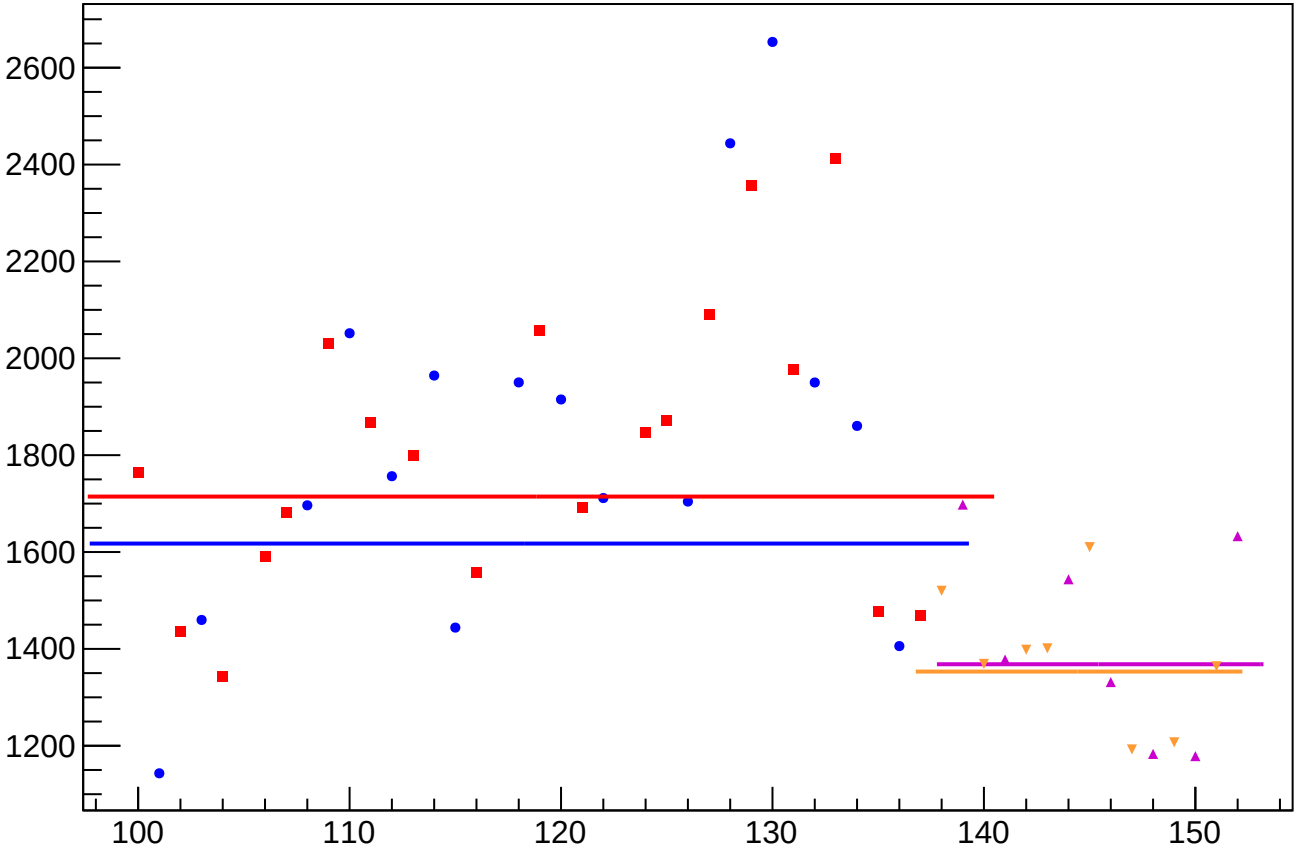
Left In: -141.085+/-559.142 χ^2/NDF:4.8/6

+ sign 874.411+/-410.595 χ^2/NDF: 23.1/23

All: 559.539+/-293.736 χ^2/NDF: 45.0/49

- sign 229.468+/-420.388 χ^2/NDF: 20.7/25

asym_usr_overload_cor_correction_rms vs Slug



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

Left Out: 1353.173+/-0.388 χ^2/NDF:117072.8/7

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

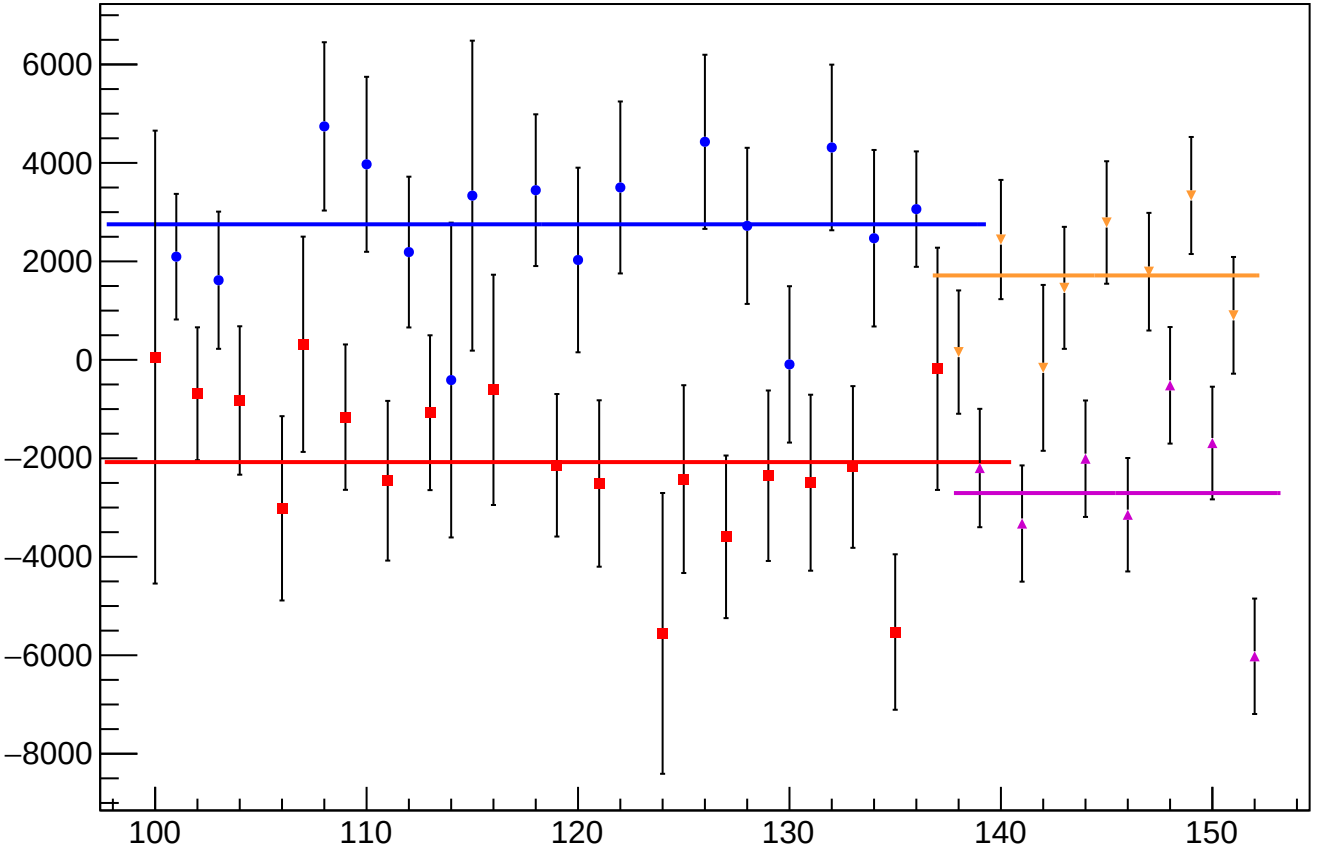
Left In: 1368.314+/-0.395 χ^2/NDF:220647.1/6

+ sign 1469.518+/-0.290 χ^2/NDF: 1013034.1/23

All: 1493.586+/-0.208 χ^2/NDF: 2008773.3/49

- sign 1518.815+/-0.297 χ^2/NDF: 981663.8/25

eigen_cor_asym_usr_mean vs Slug



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

Left Out: 1714.526+/-443.283 χ^2/NDF:6.3/7

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

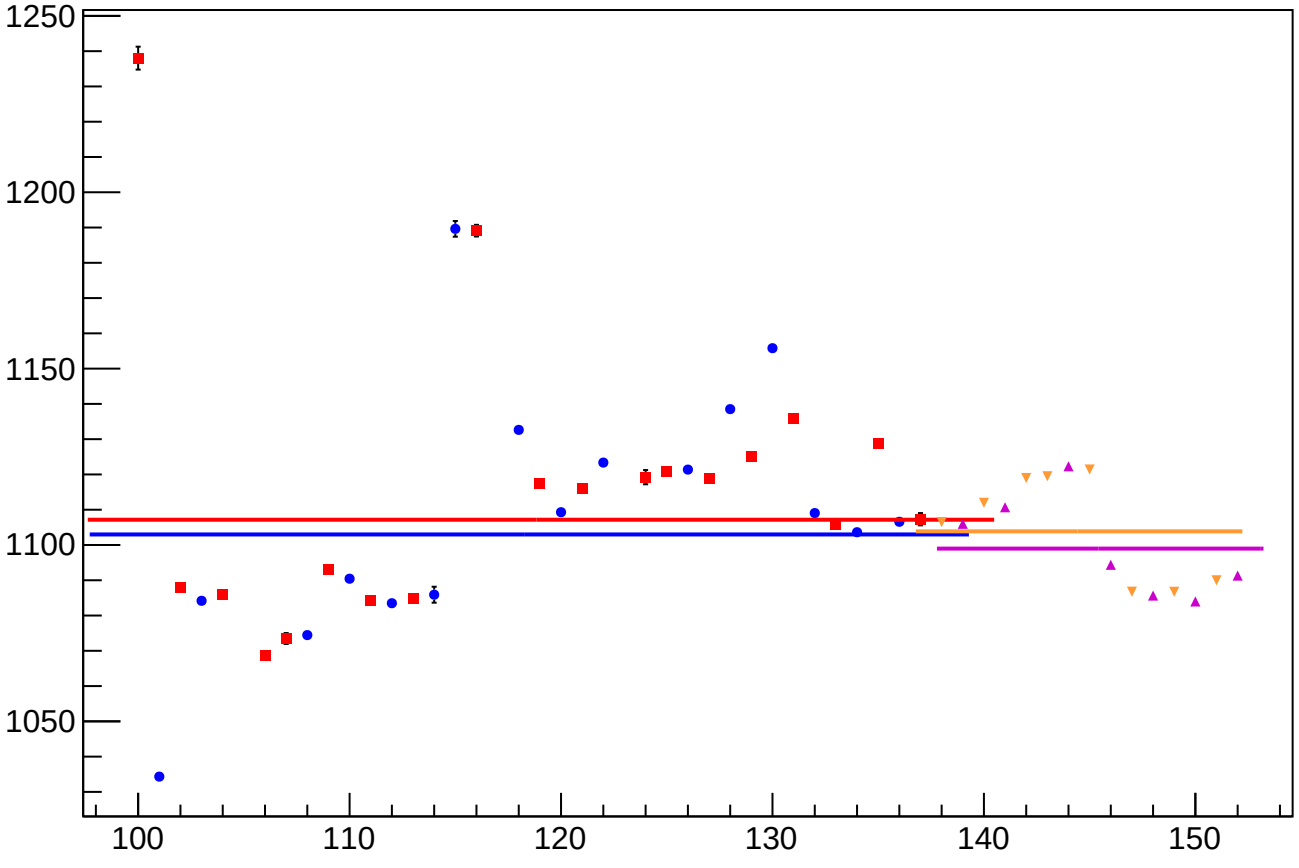
Left In: -2705.599+/-443.560 χ^2/NDF:13.2/6

+ sign 2274.480+/-300.929 χ^2/NDF: 18.7/23

All: -61.581+/-211.960 χ^2/NDF: 165.1/49

- sign -2361.577+/-298.597 χ^2/NDF: 26.8/25

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1103.870+/-0.313 χ^2/NDF:2073.5/7

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

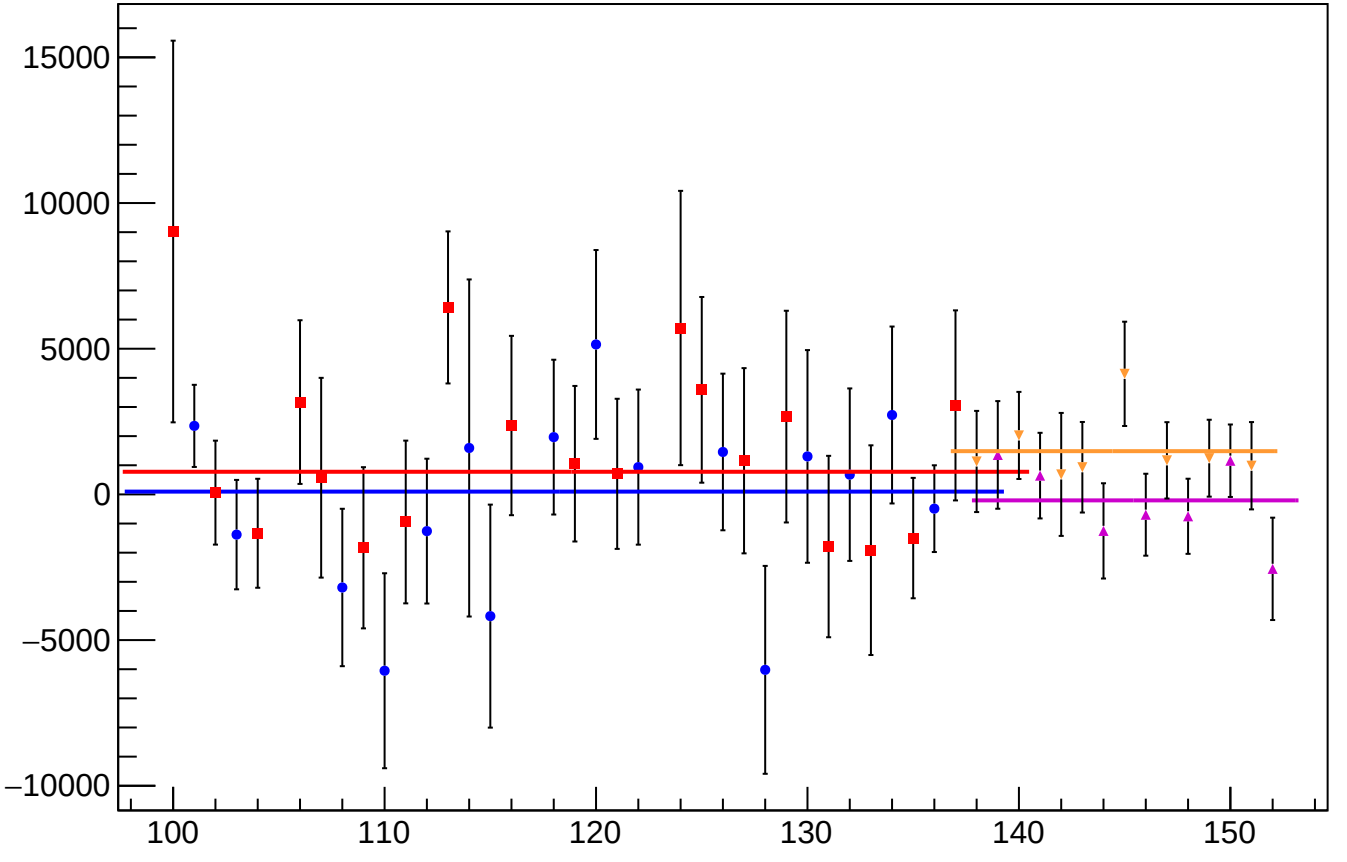
Left In: 1098.974+/-0.314 χ^2/NDF:1757.4/6

+ sign 1103.394+/-0.213 χ^2/NDF: 15301.5/23

All: 1103.422+/-0.150 χ^2/NDF: 26114.8/49

- sign 1103.450+/-0.211 χ^2/NDF: 10813.2/25

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1484.078+/-547.771 χ^2/NDF:2.8/7

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

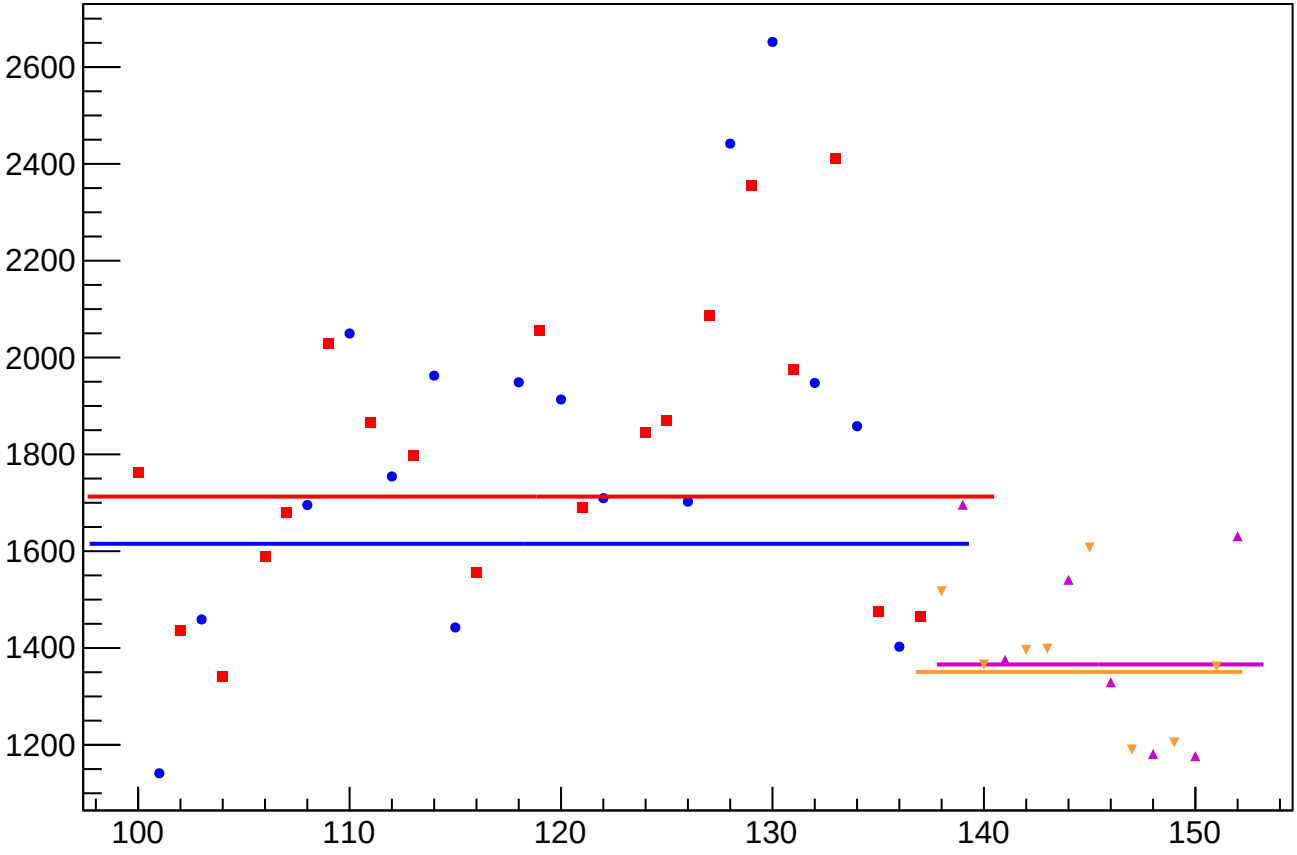
Left In: -205.085+/-558.250 χ^2/NDF:4.7/6

+ sign 873.443+/-409.951 χ^2/NDF: 22.6/23

All: 555.260+/-293.310 χ^2/NDF: 45.0/49

- sign 221.556+/-419.831 χ^2/NDF: 21.2/25

asym_usr_eigen_cor_correction_rms vs Slug



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

Left Out: 1350.686+/-0.387 χ^2/NDF:117165.6/7

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

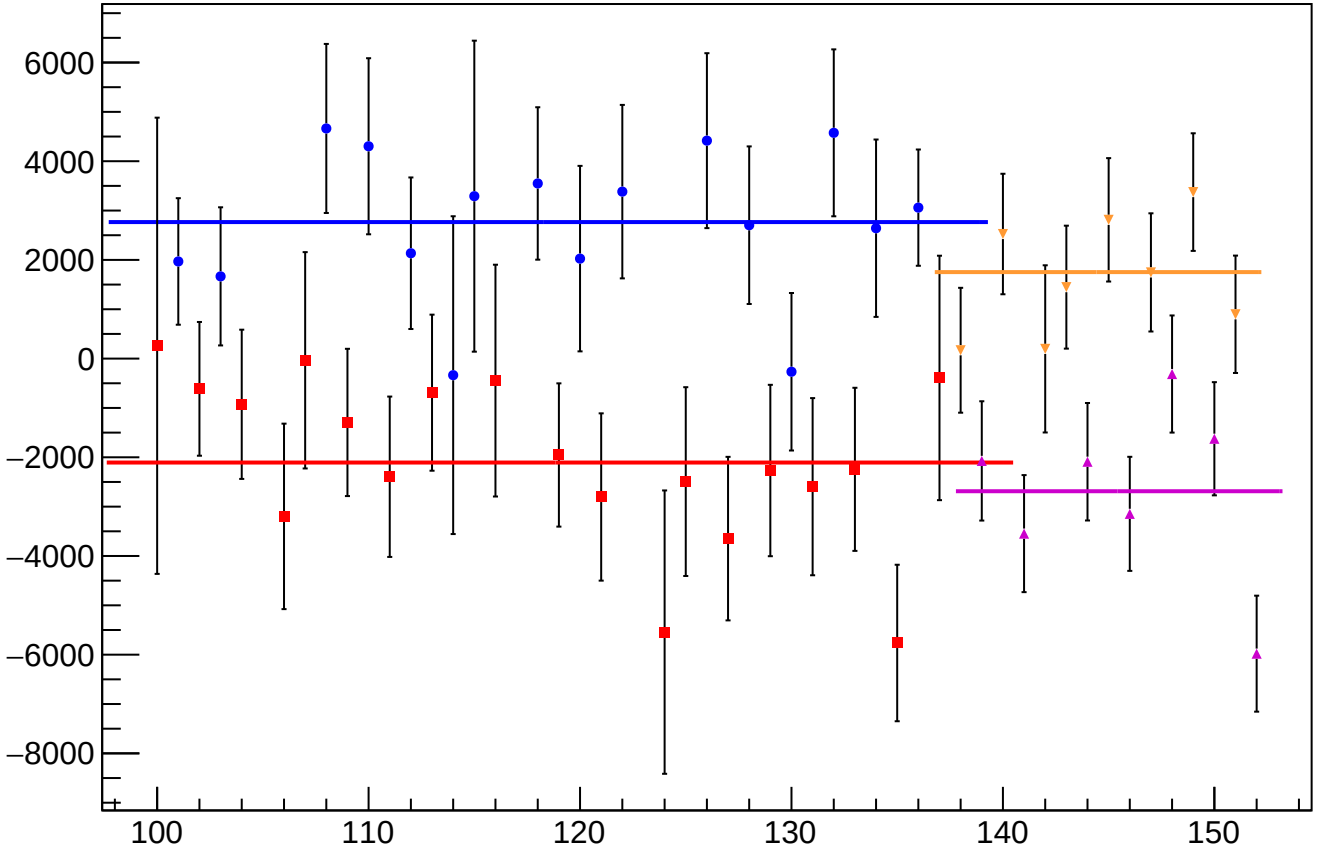
Left In: 1366.077+/-0.395 χ^2/NDF:221257.4/6

+ sign 1467.096+/-0.290 χ^2/NDF: 1016130.3/23

All: 1491.308+/-0.207 χ^2/NDF: 2014902.1/49

- sign 1516.701+/-0.297 χ^2/NDF: 984478.9/25

dit_asym_usr_mean vs Slug



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

Left Out: 1752.900+/-445.604 χ^2/NDF:6.0/7

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

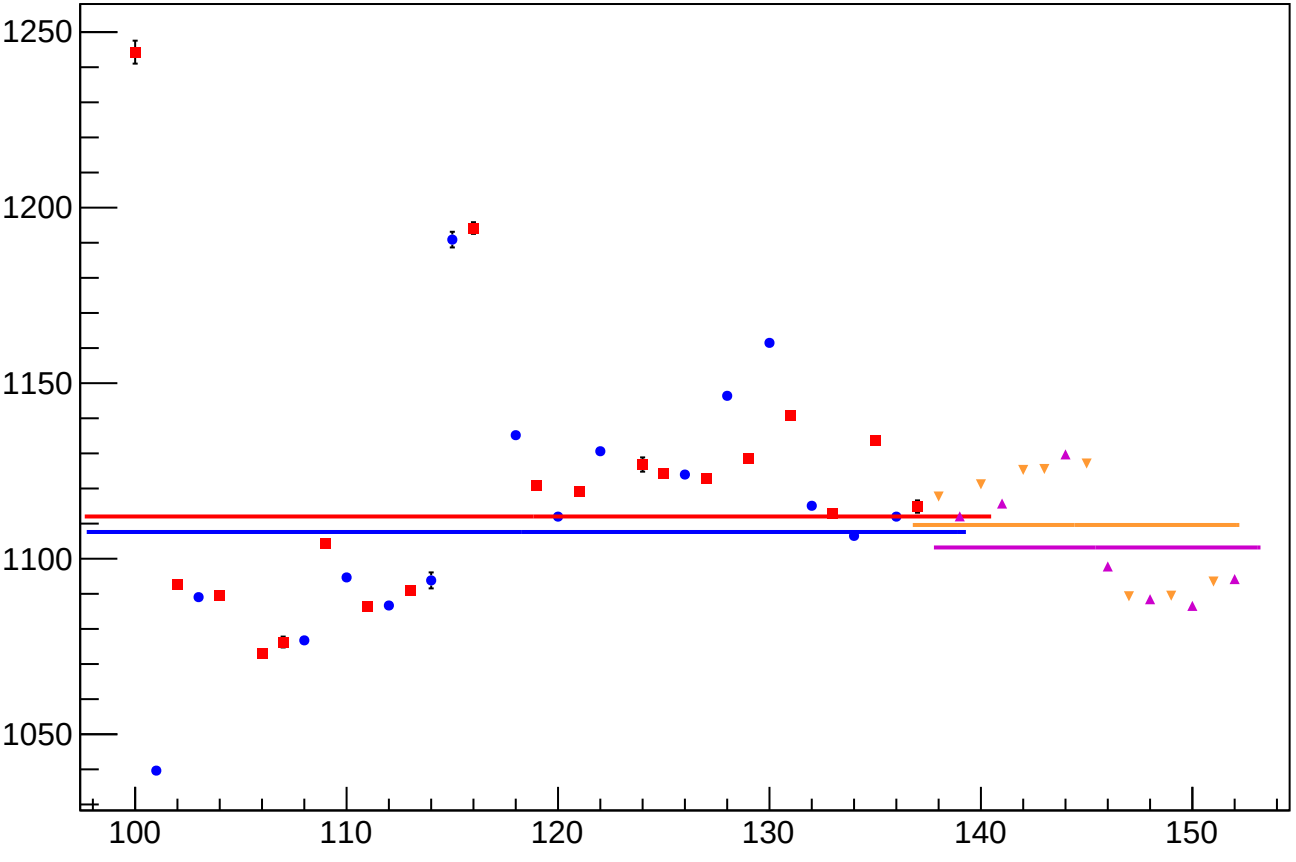
Left In: -2687.819+/-445.282 χ^2/NDF:13.9/6

+ sign 2299.974+/-302.338 χ^2/NDF: 19.1/23

All: -54.346+/-212.899 χ^2/NDF: 167.5/49

- sign -2370.020+/-299.846 χ^2/NDF: 28.2/25

dit_asym_usr_rms vs Slug



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

Left Out: 1109.611+/-0.315 χ^2/NDF:2666.5/7

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

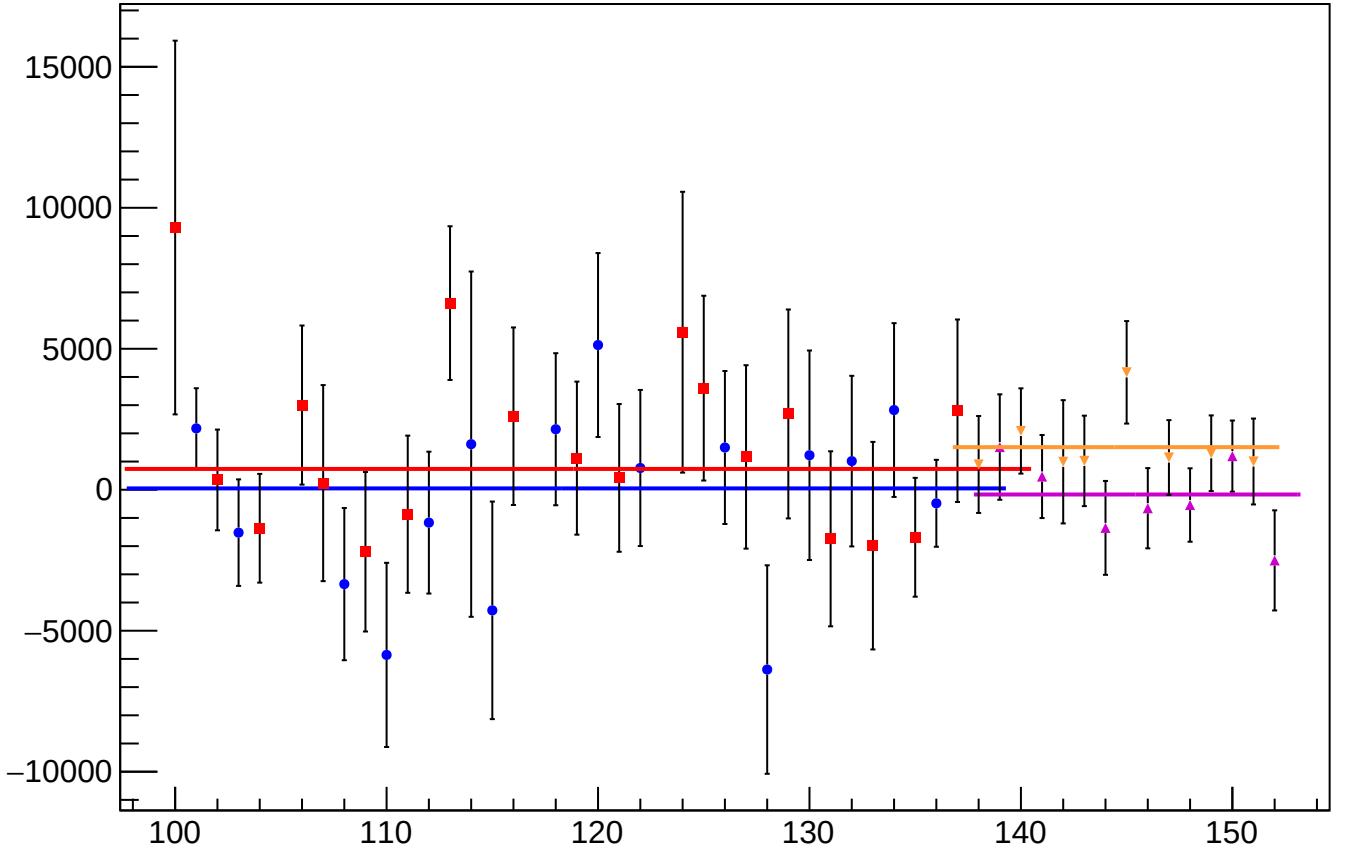
Left In: 1103.202+/-0.315 χ^2/NDF:2212.6/6

+ sign 1108.533+/-0.214 χ^2/NDF: 15909.0/23

All: 1108.278+/-0.151 χ^2/NDF: 27207.4/49

- sign 1108.027+/-0.212 χ^2/NDF: 11295.6/25

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1510.609+/-556.318 χ^2/NDF:2.8/7

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

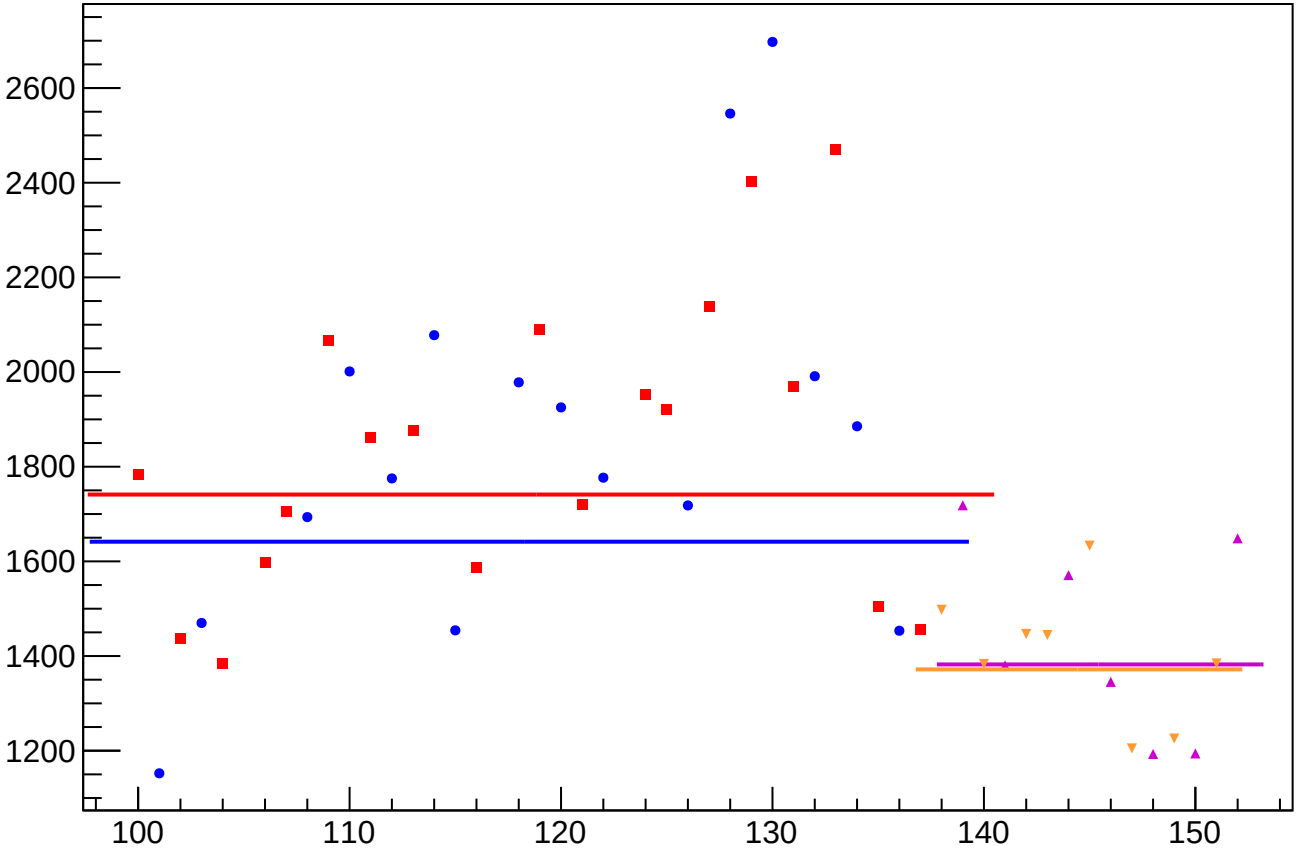
Left In: -168.190+/-564.685 χ^2/NDF:4.6/6

+ sign 867.496+/-416.441 χ^2/NDF: 22.7/23

All: 552.383+/-297.675 χ^2/NDF: 44.5/49

- sign 223.160+/-425.663 χ^2/NDF: 20.7/25

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1371.775+/-0.393 χ^2/NDF:114186.9/7

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

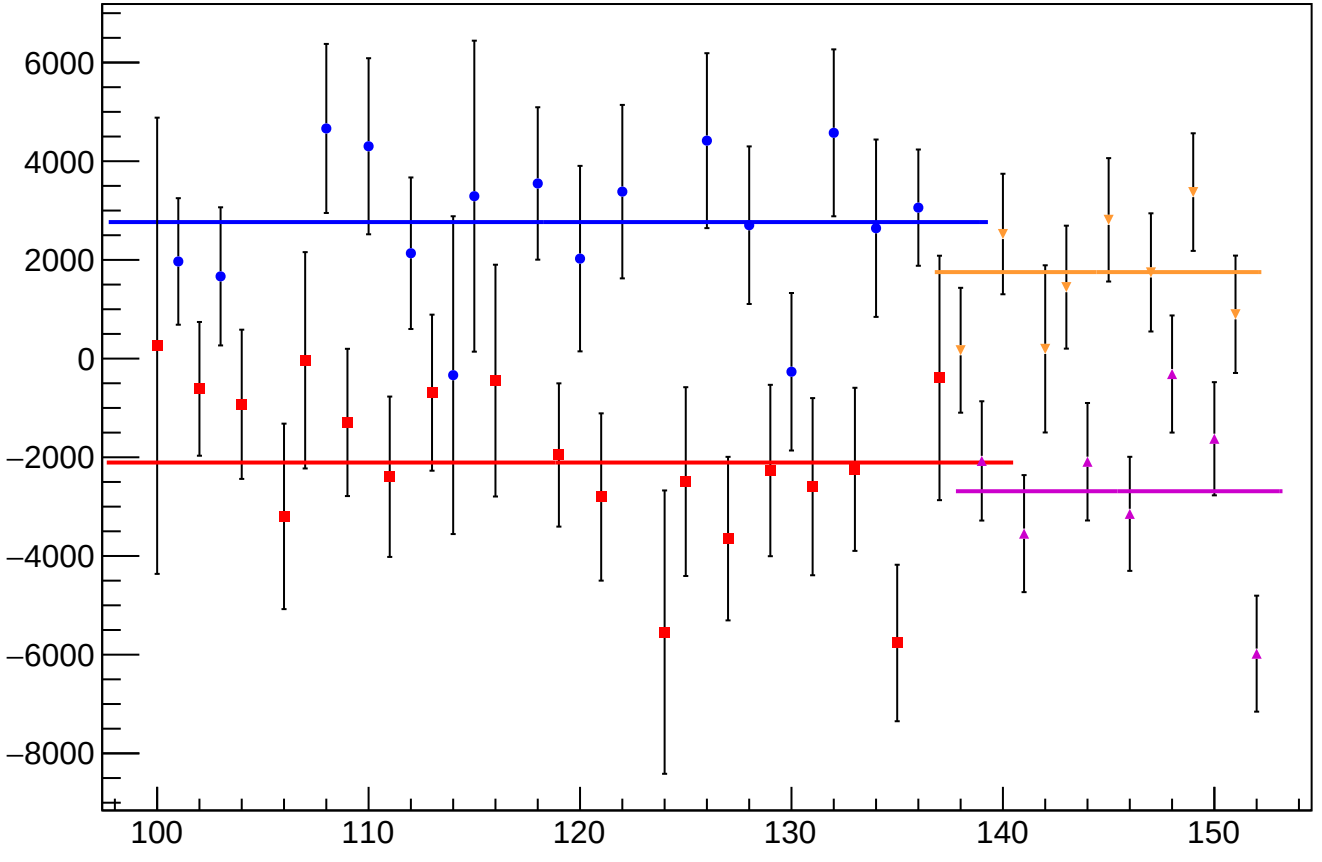
Left In: 1382.296+/-0.399 χ^2/NDF:223330.2/6

+ sign 1490.376+/-0.294 χ^2/NDF: 1022251.8/23

All: 1513.305+/-0.210 χ^2/NDF: 2045160.8/49

- sign 1537.262+/-0.301 χ^2/NDF: 1010510.6/25

eigen_dit_asym_usr_mean vs Slug



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

Left Out: 1752.901+/-445.604 χ^2/NDF:6.0/7

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

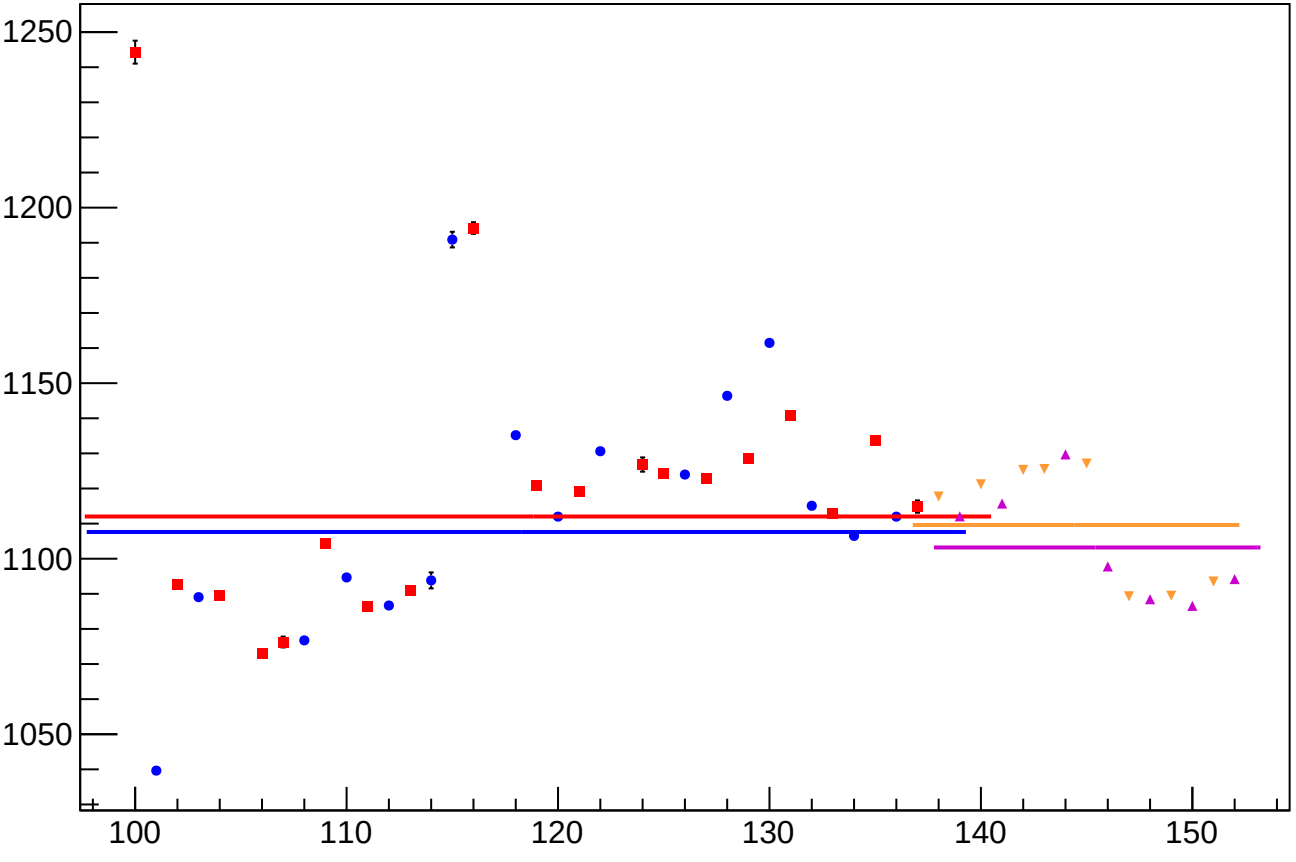
Left In: -2687.820+/-445.282 χ^2/NDF:13.9/6

+ sign 2299.975+/-302.338 χ^2/NDF: 19.1/23

All: -54.346+/-212.899 χ^2/NDF: 167.5/49

- sign -2370.022+/-299.846 χ^2/NDF: 28.2/25

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1109.611+/-0.315 χ^2/NDF:2666.5/7

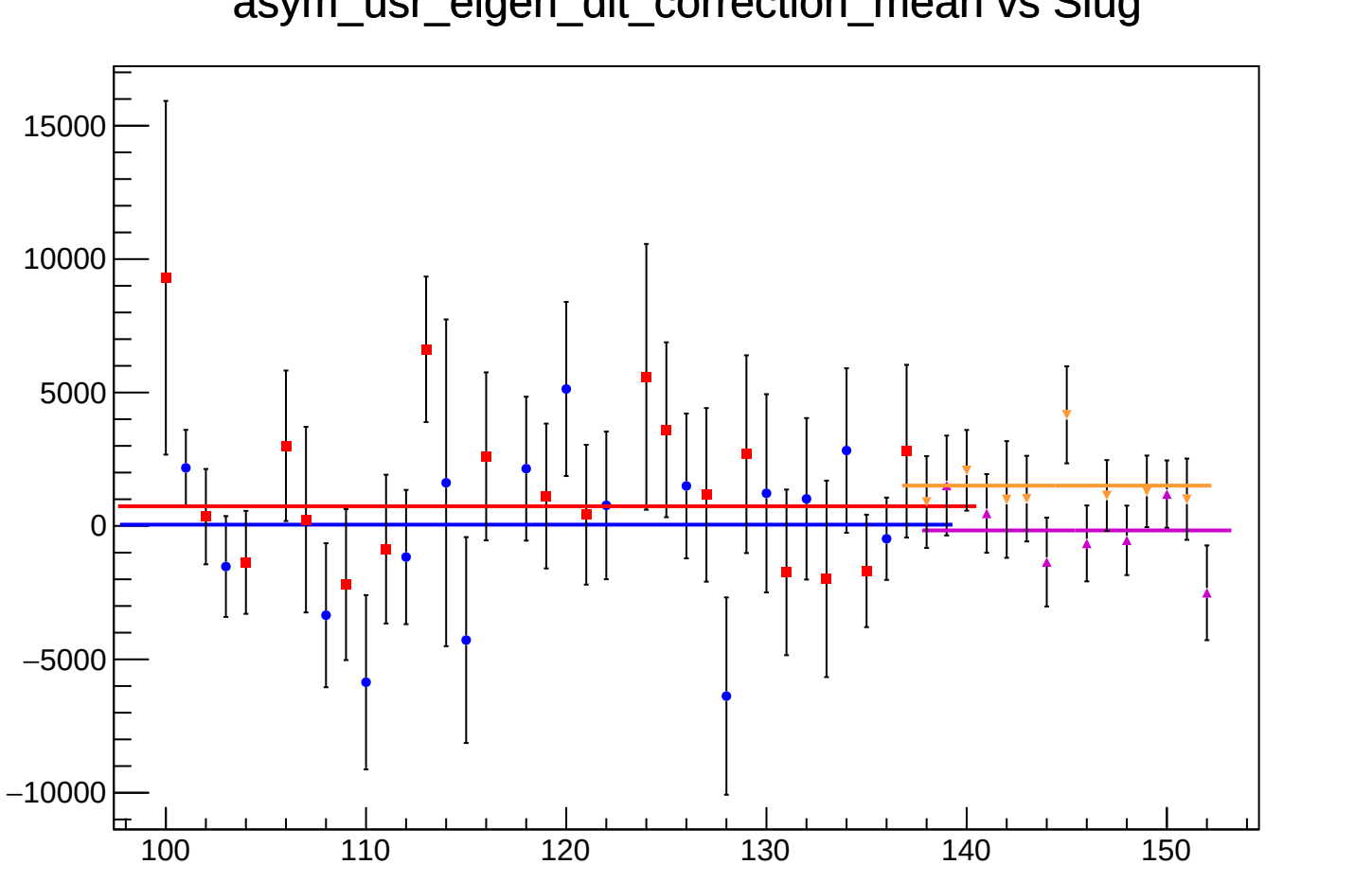
Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1103.202+/-0.315 χ^2/NDF:2212.6/6

+ sign 1108.533+/-0.214 χ^2/NDF: 15908.9/23

All: 1108.278+/-0.151 χ^2/NDF: 27207.3/49

- sign 1108.027+/-0.212 χ^2/NDF: 11295.6/25



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1510.609+/-556.319 χ^2/NDF:2.8/7

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

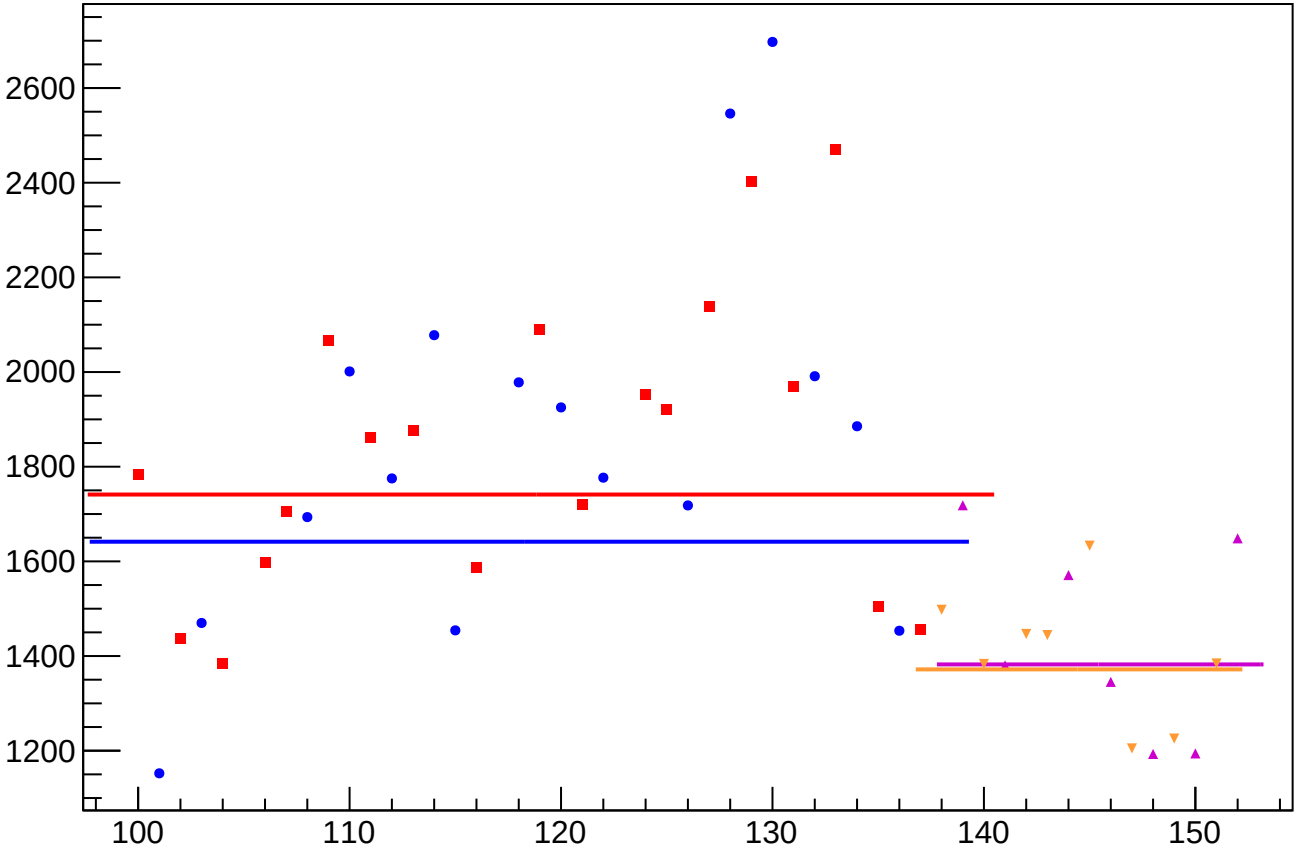
Left In: -168.191+/-564.686 χ^2/NDF:4.6/6

\+ sign 867.492+/-416.441 χ^2/NDF: 22.7/23

All: 552.382+/-297.676 χ^2/NDF: 44.5/49

\- sign 223.162+/-425.664 χ^2/NDF: 20.7/25

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1371.777+/-0.393 χ^2/NDF:114188.8/7

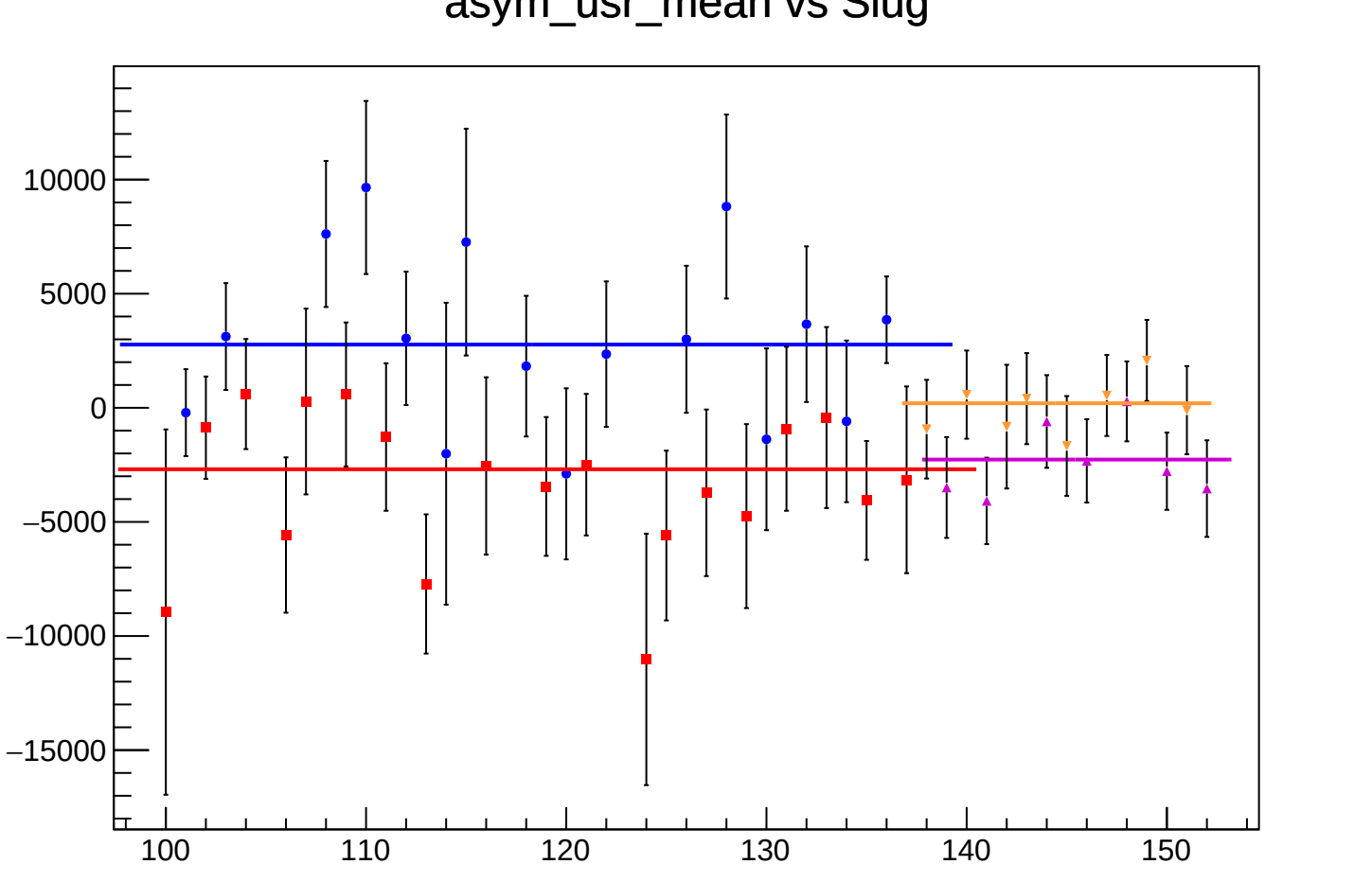
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1382.299+/-0.399 χ^2/NDF:223333.7/6

+ sign 1490.377+/-0.294 χ^2/NDF: 1022234.3/23

All: 1513.307+/-0.210 χ^2/NDF: 2045126.8/49

- sign 1537.263+/-0.301 χ^2/NDF: 1010493.7/25



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 198.667+/-710.658 χ^2/NDF:2.4/7

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

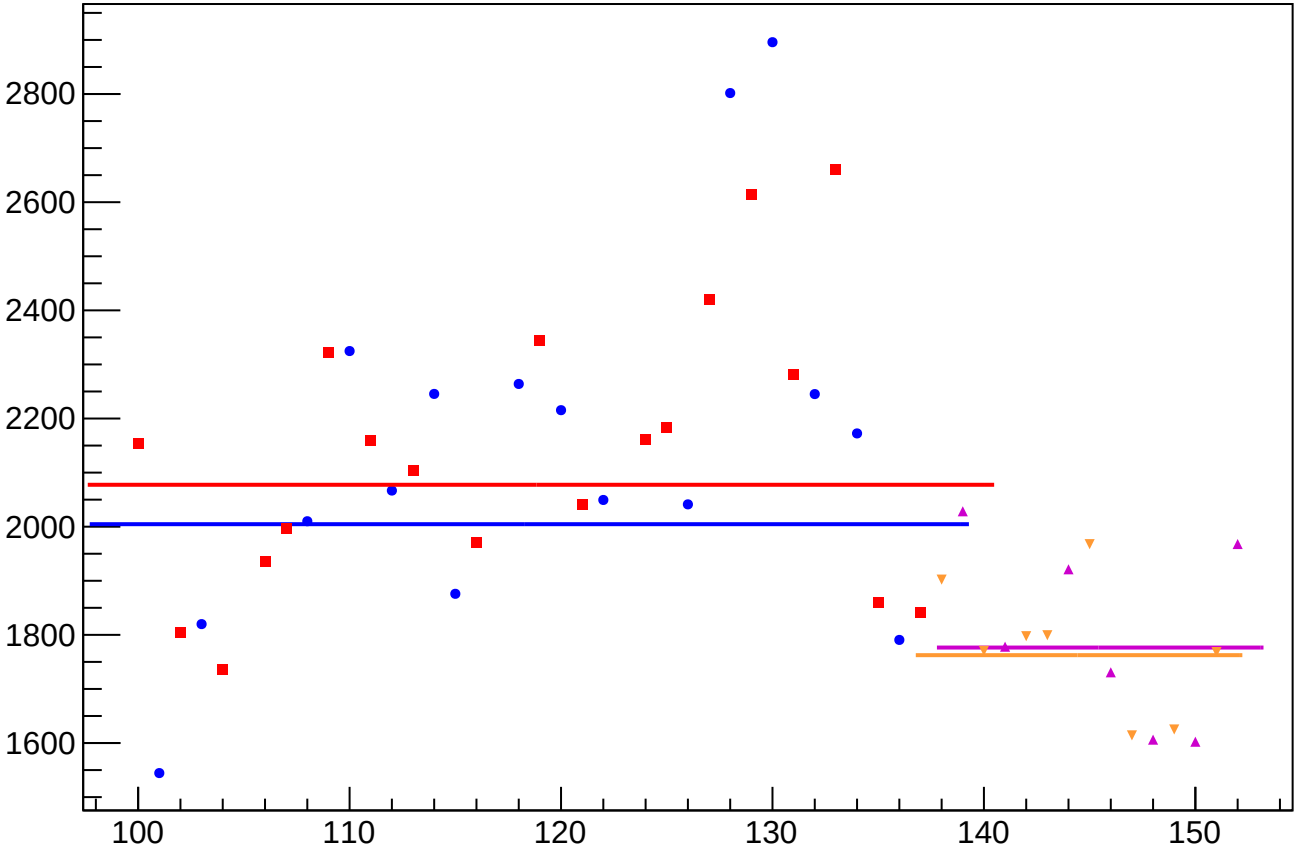
Left In: -2268.217+/-720.712 χ^2/NDF:4.5/6

+ sign 1403.016+/-518.155 χ^2/NDF: 24.9/23

All: -507.538+/-368.725 χ^2/NDF: 69.7/49

- sign -2467.573+/-524.822 χ^2/NDF: 17.2/25

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1762.455+/-0.503 χ^2/NDF:52933.9/7

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

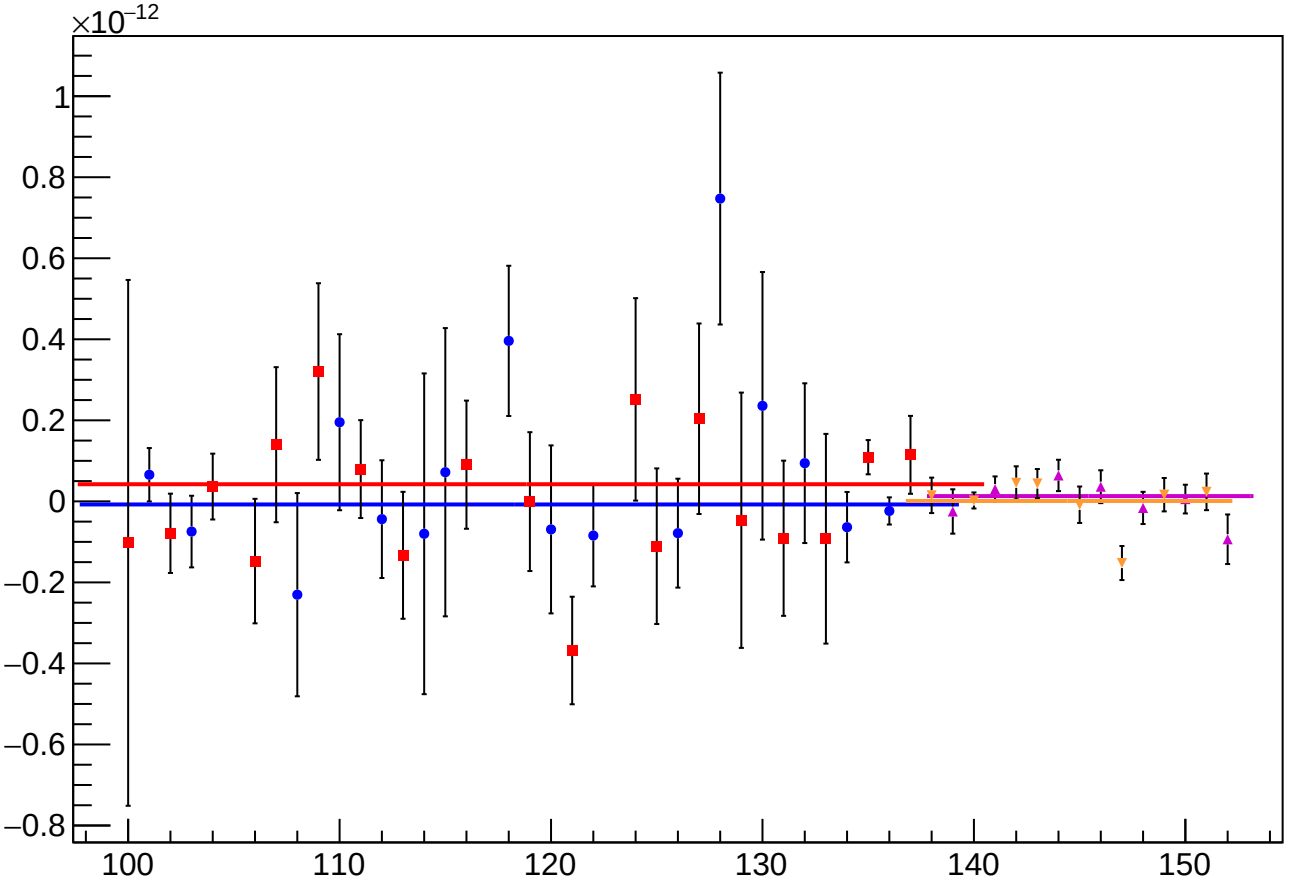
Left In: 1776.534+/-0.510 χ^2/NDF:93901.0/6

+ sign 1875.888+/-0.366 χ^2/NDF: 549291.3/23

All: 1896.628+/-0.261 χ^2/NDF: 1043994.0/49

- sign 1917.906+/-0.371 χ^2/NDF: 488211.0/25

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:16.5/7

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

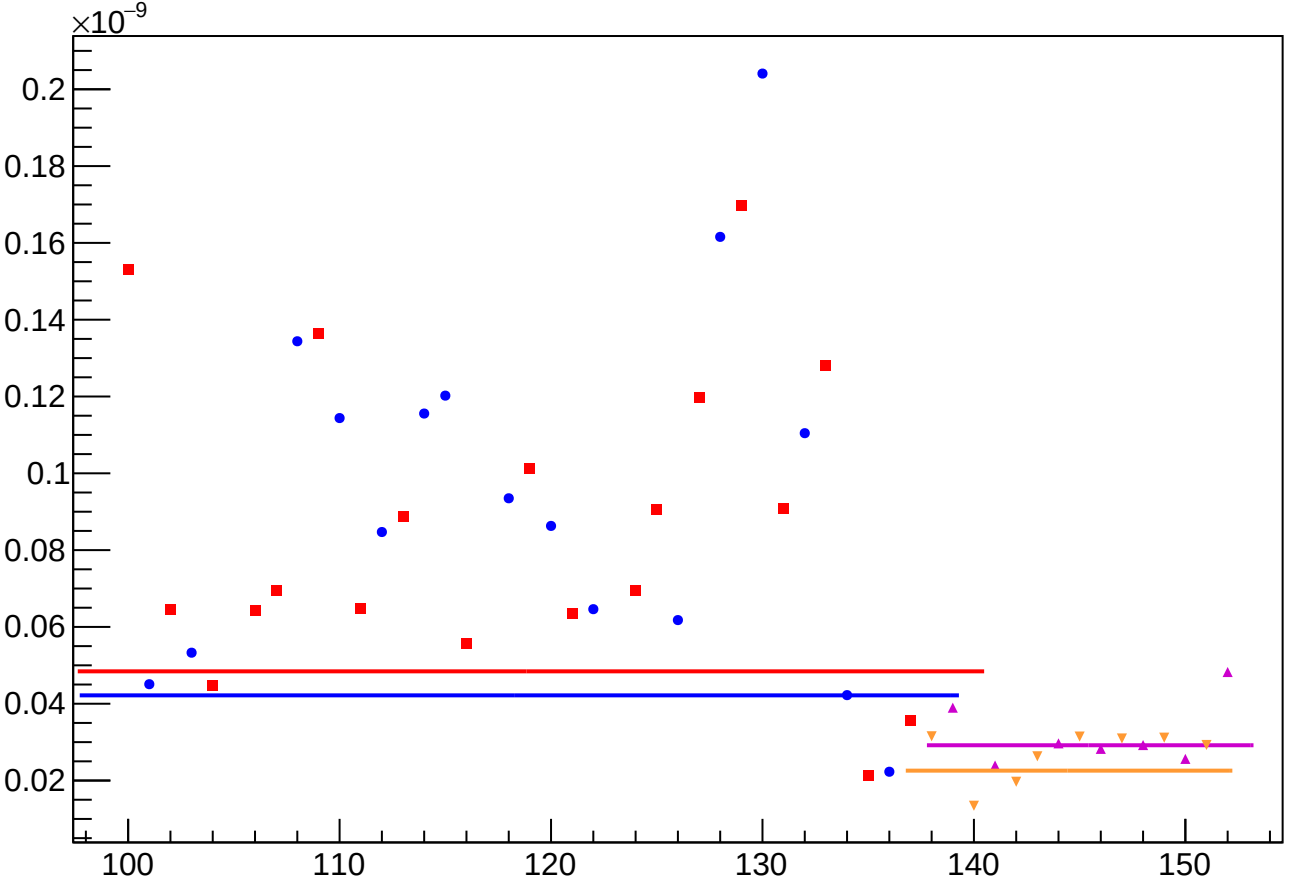
Left In: 0.000+/-0.000 χ^2/NDF:6.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 33.0/23

All: 0.000+/-0.000 χ^2/NDF: 63.6/49

- sign 0.000+/-0.000 χ^2/NDF: 29.1/25

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:829481.8/7

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

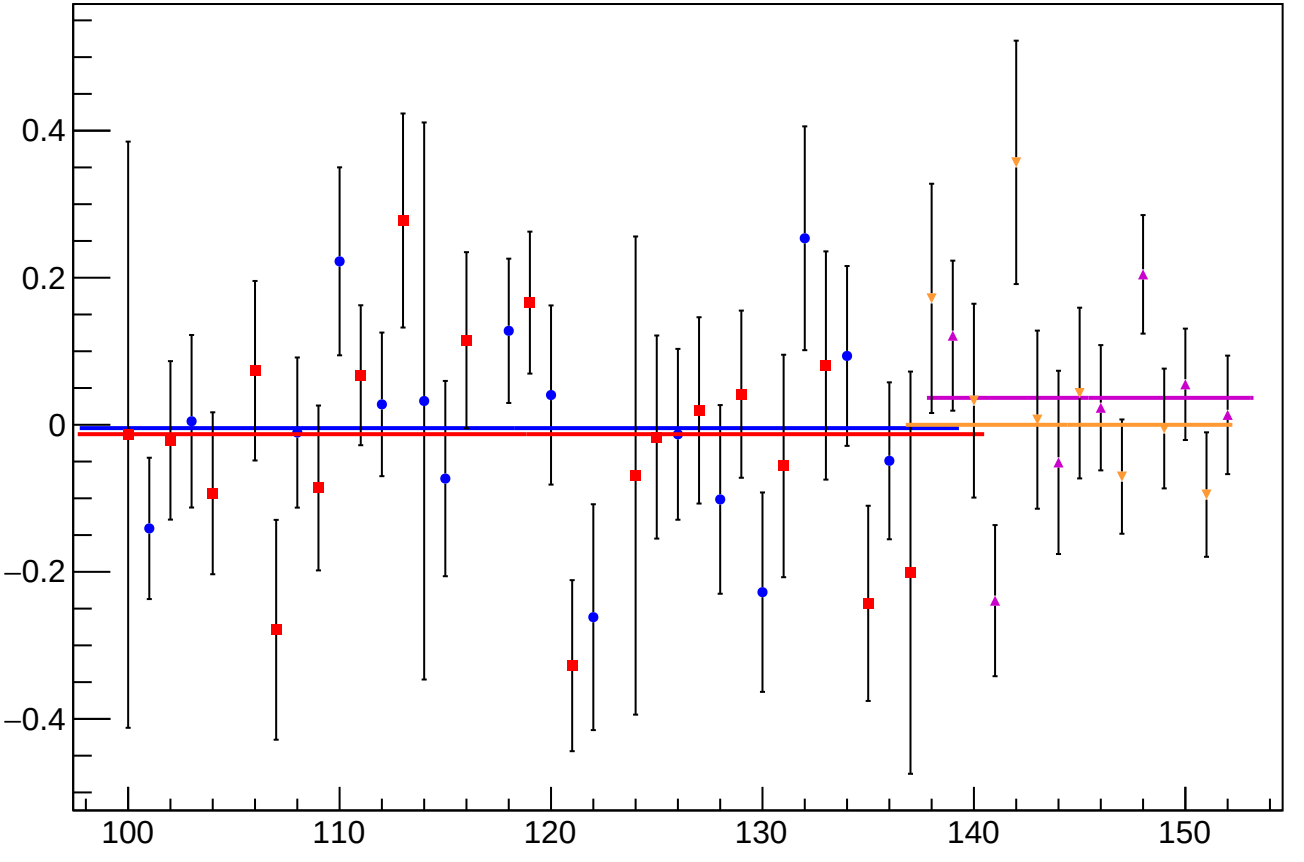
Left In: 0.000+/-0.000 χ^2/NDF:336017.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 4799694.6/23

All: 0.000+/-0.000 χ^2/NDF: 8864333.0/49

- sign 0.000+/-0.000 χ^2/NDF: 3710942.9/25

asym_usr_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.037 χ^2/NDF:8.2/7

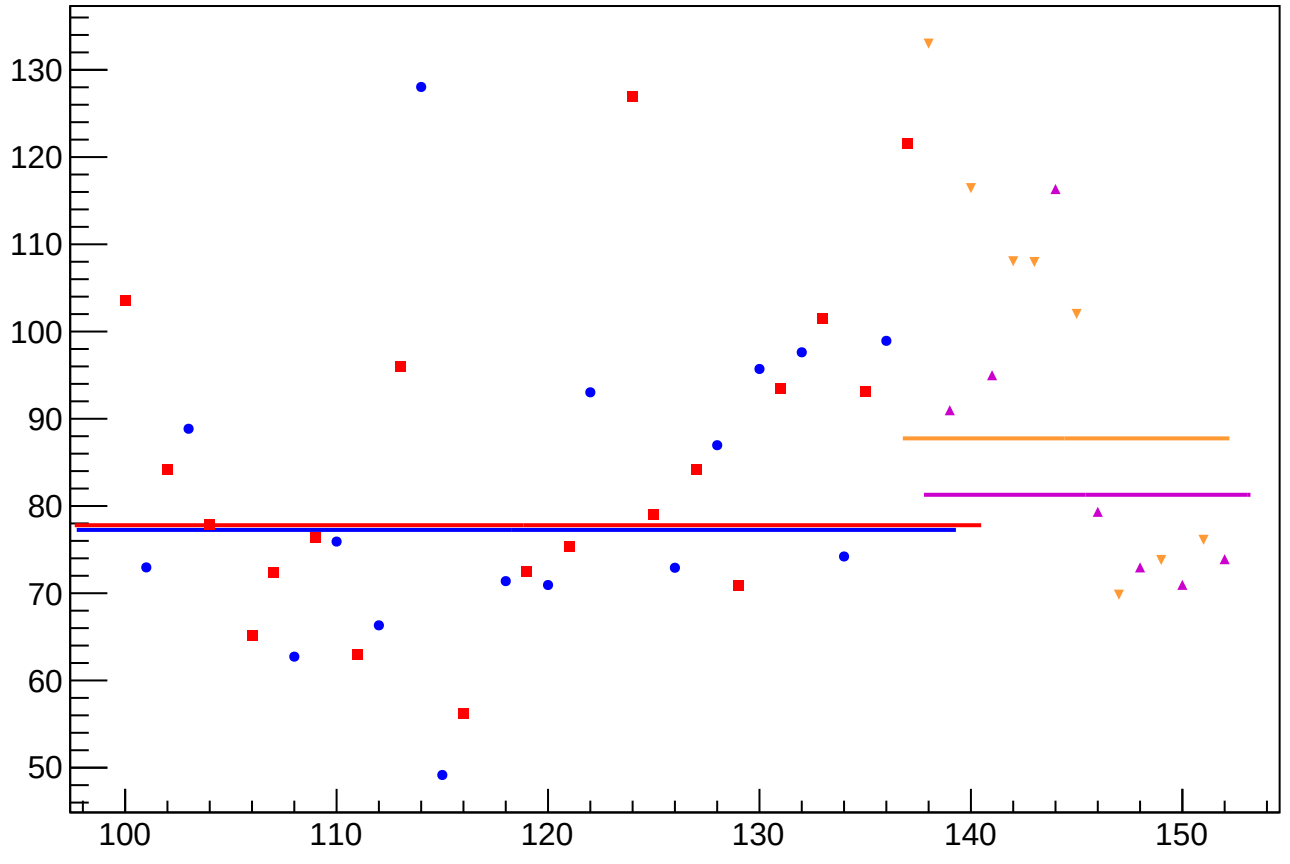
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.037+/-0.034 χ^2/NDF:12.9/6

+ sign -0.003+/-0.023 χ^2/NDF: 25.5/23

All: 0.003+/-0.016 χ^2/NDF: 65.2/49

- sign 0.009+/-0.022 χ^2/NDF: 39.6/25



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

Left Out: 87.750+/-0.026 χ^2/NDF:581958.2/7

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

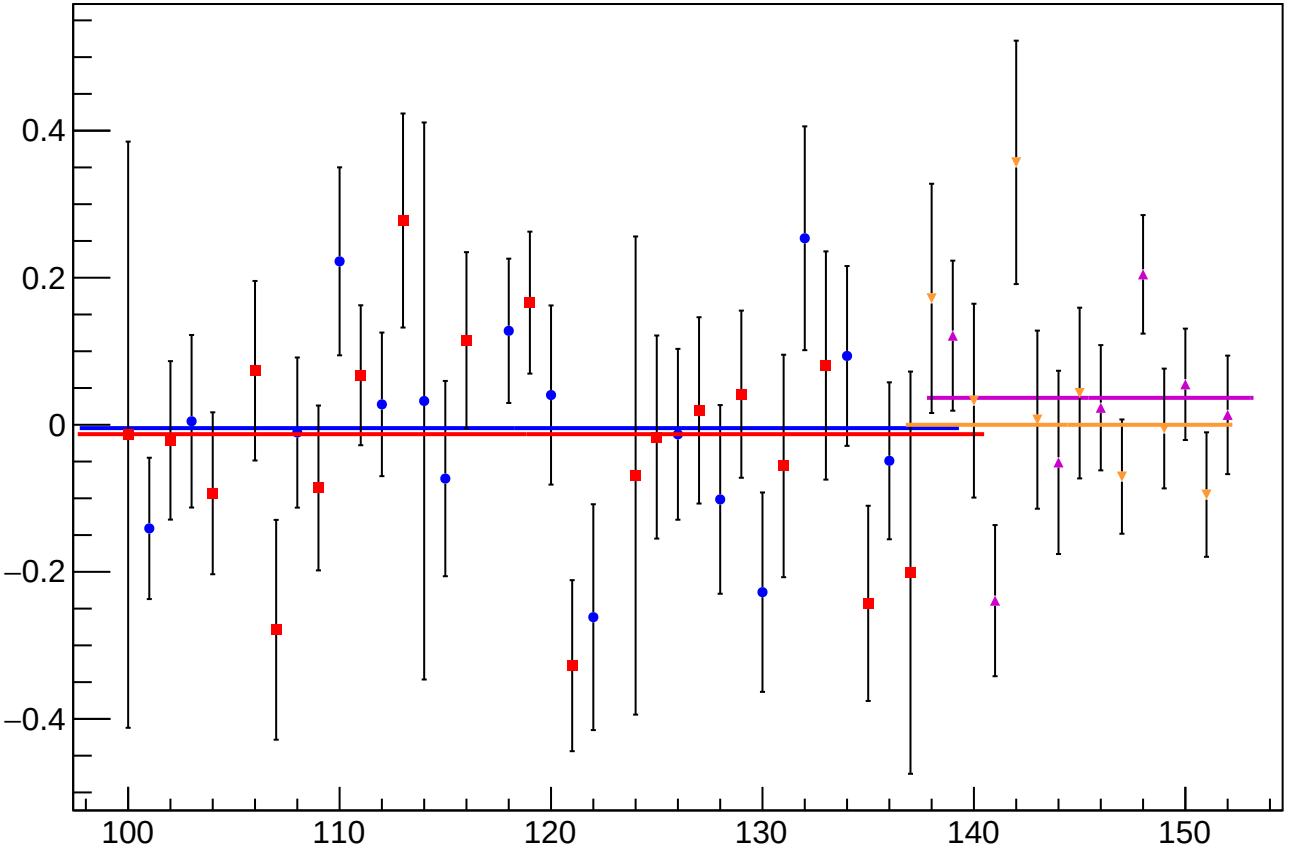
Left In: 81.286+/-0.024 χ^2/NDF:288123.3/6

+ sign 81.439+/-0.016 χ^2/NDF: 1098381.1/23

All: 80.333+/-0.011 χ^2/NDF: 1803640.8/49

- sign 79.318+/-0.016 χ^2/NDF: 696619.1/25

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.037 χ^2/NDF:8.2/7

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

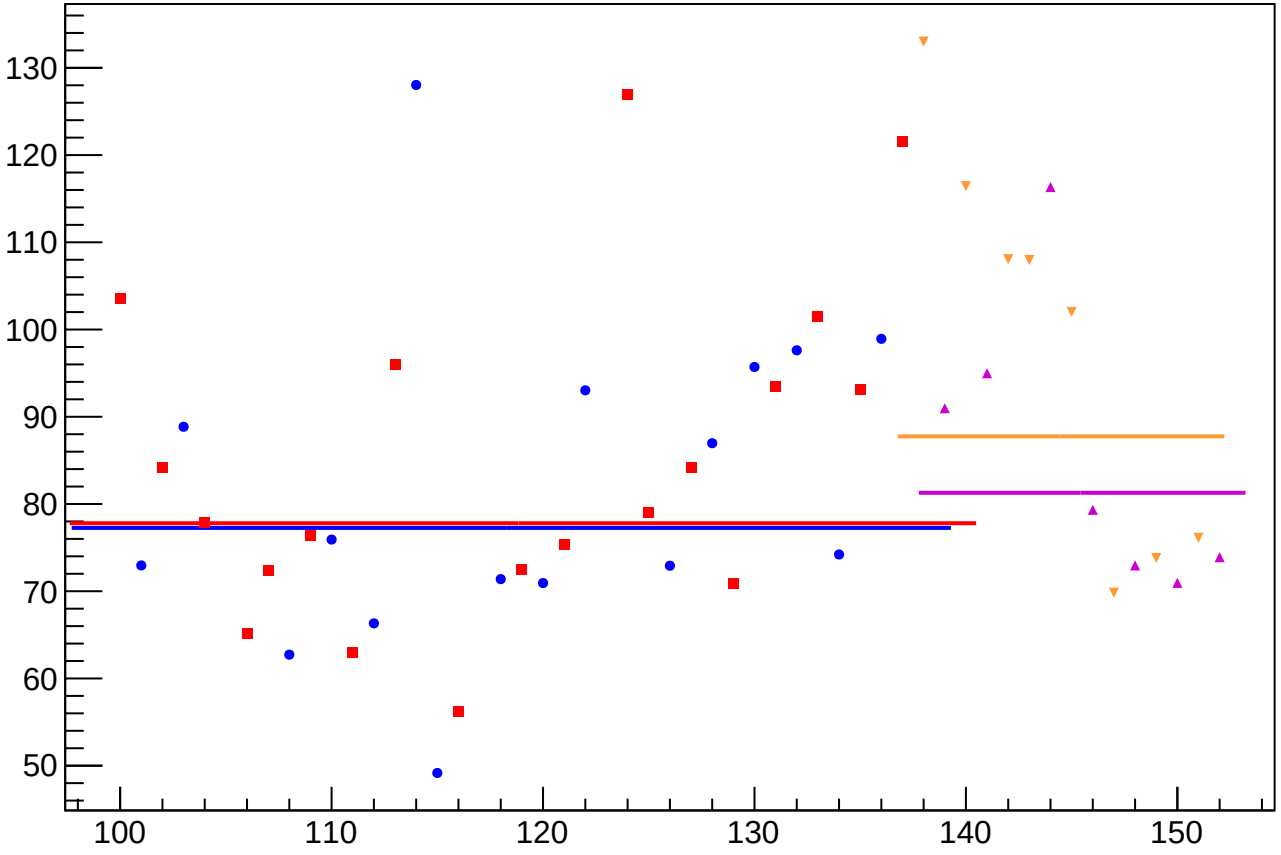
Left In: 0.037+/-0.034 χ^2/NDF:12.9/6

+ sign -0.003+/-0.023 χ^2/NDF: 25.5/23

All: 0.003+/-0.016 χ^2/NDF: 65.2/49

- sign 0.009+/-0.022 χ^2/NDF: 39.6/25

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 87.750+/-0.026 χ^2/NDF:581958.2/7

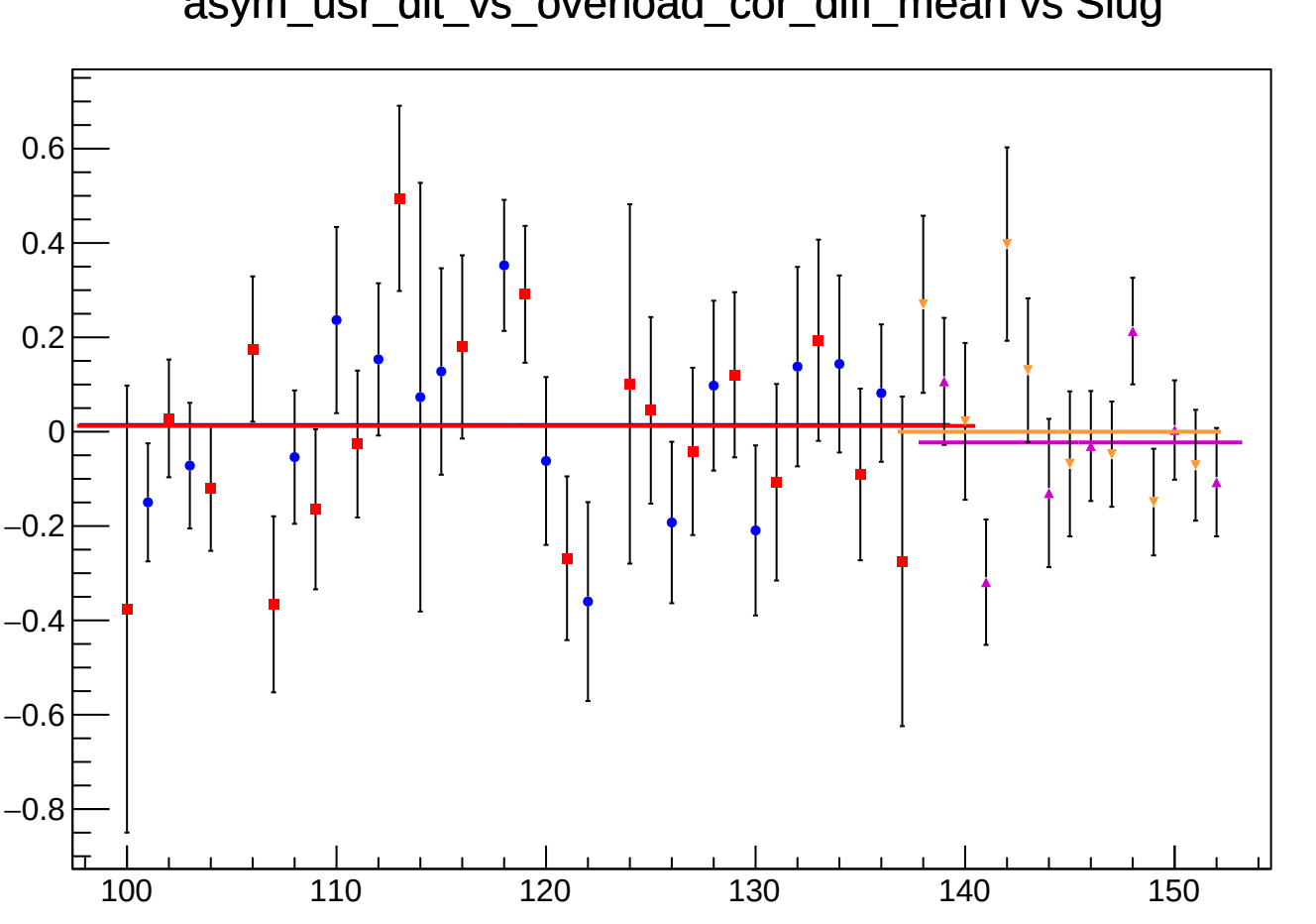
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 81.286+/-0.024 χ^2/NDF:288123.3/6

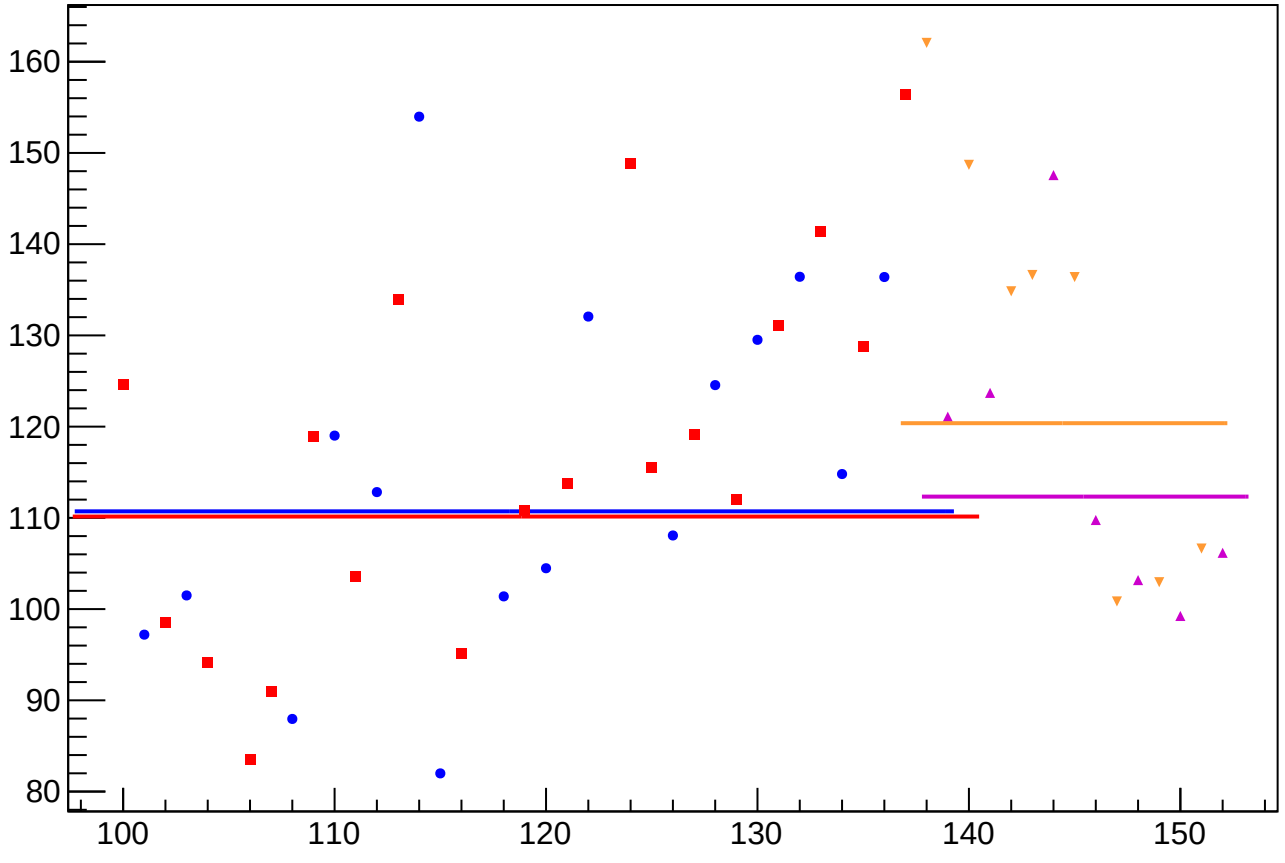
+ sign 81.439+/-0.016 χ^2/NDF: 1098381.1/23

All: 80.333+/-0.011 χ^2/NDF: 1803640.8/49

- sign 79.318+/-0.016 χ^2/NDF: 696619.1/25


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: -0.000+/-0.050 χ²/NDF:9.1/7
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.023+/-0.046 χ²/NDF:11.3/6
+ sign 0.008+/-0.032 χ²/NDF: 27.3/23
All: 0.002+/-0.022 χ²/NDF: 62.7/49
- sign -0.003+/-0.031 χ²/NDF: 35.4/25

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 120.377+/-0.035 χ^2/NDF:347307.0/7

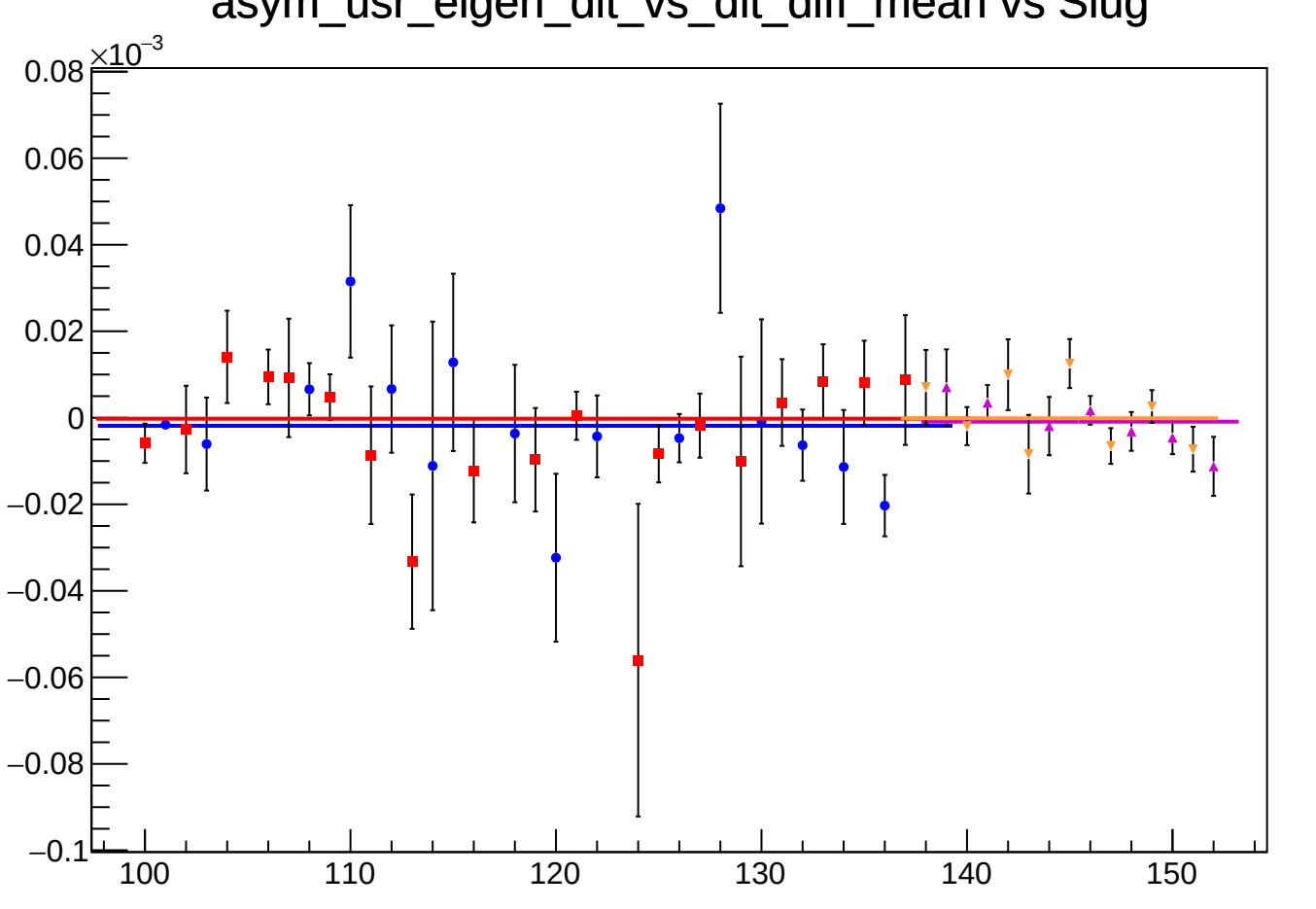
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 112.330+/-0.033 χ^2/NDF:174282.7/6

+ sign 114.770+/-0.023 χ^2/NDF: 691139.3/23

All: 112.861+/-0.016 χ^2/NDF: 1208085.8/49

- sign 111.117+/-0.022 χ^2/NDF: 503499.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.0/7

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

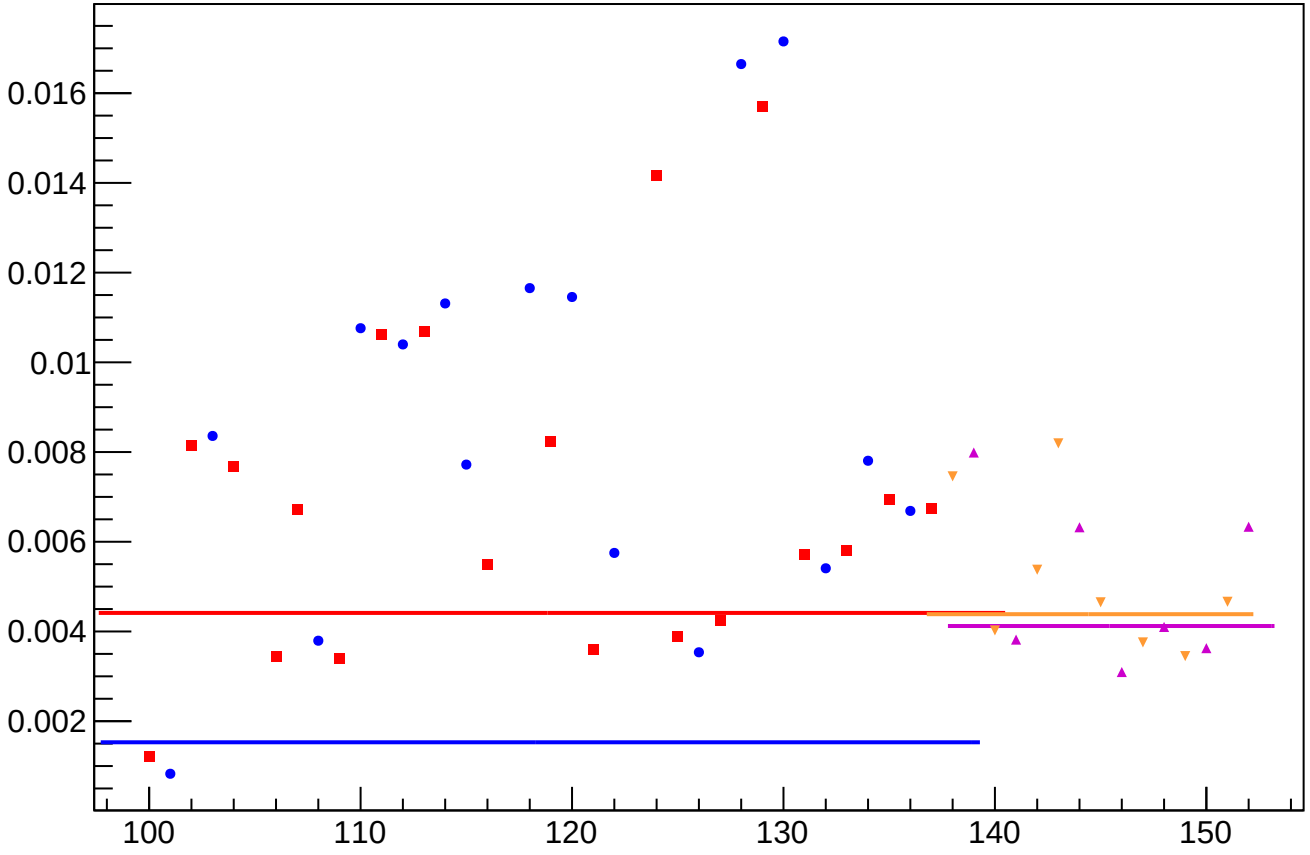
Left In: -0.000+/-0.000 χ^2/NDF:6.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 35.1/23

All: -0.000+/-0.000 χ^2/NDF: 61.5/49

- sign -0.000+/-0.000 χ^2/NDF: 26.1/25

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:829180.6/7

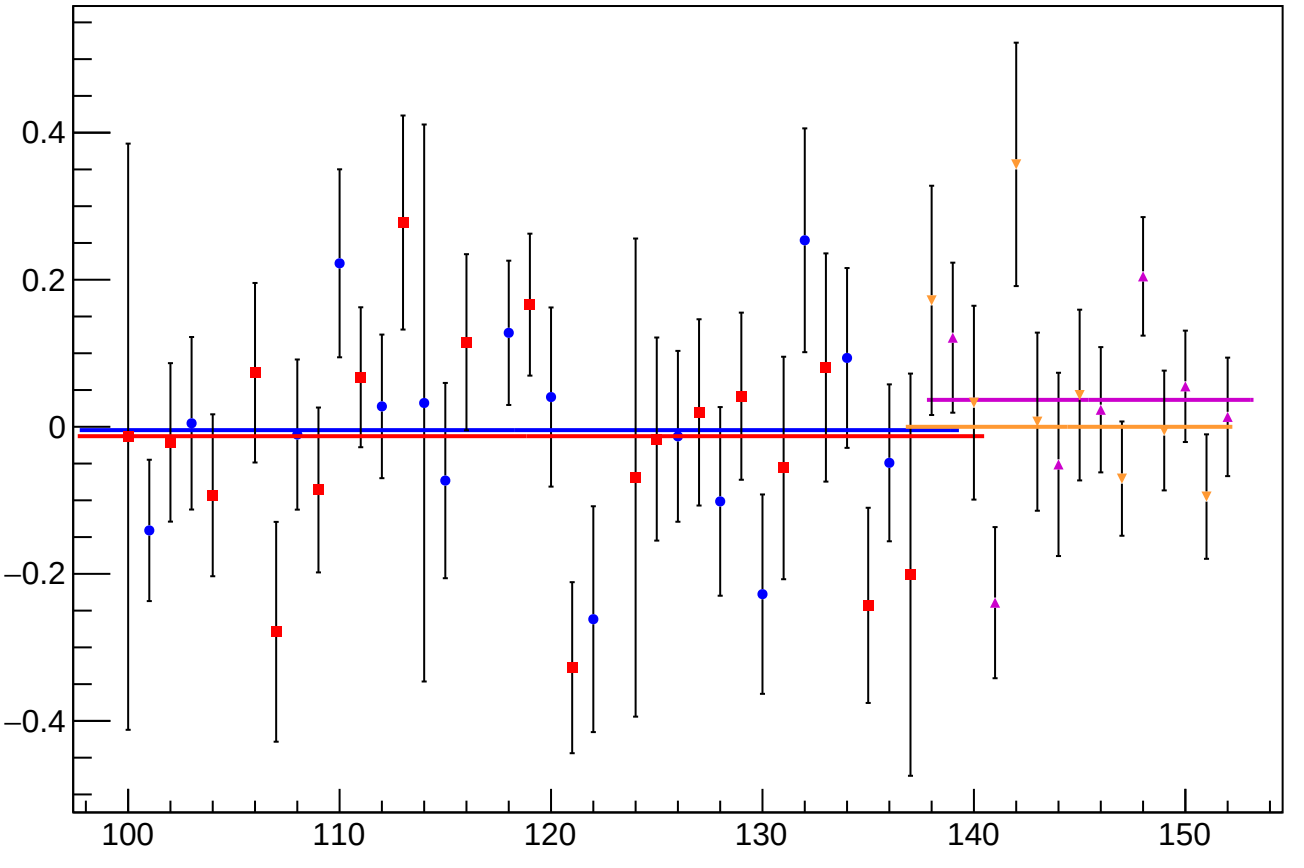
Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.004+/-0.000 χ^2/NDF:1049037.3/6

+ sign 0.002+/-0.000 χ^2/NDF: 13756653.9/23

All: 0.003+/-0.000 χ^2/NDF: 21895349.9/49

- sign 0.004+/-0.000 χ^2/NDF: 4462216.0/25



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

Left Out: -0.000+/-0.037 χ^2/NDF:8.2/7

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

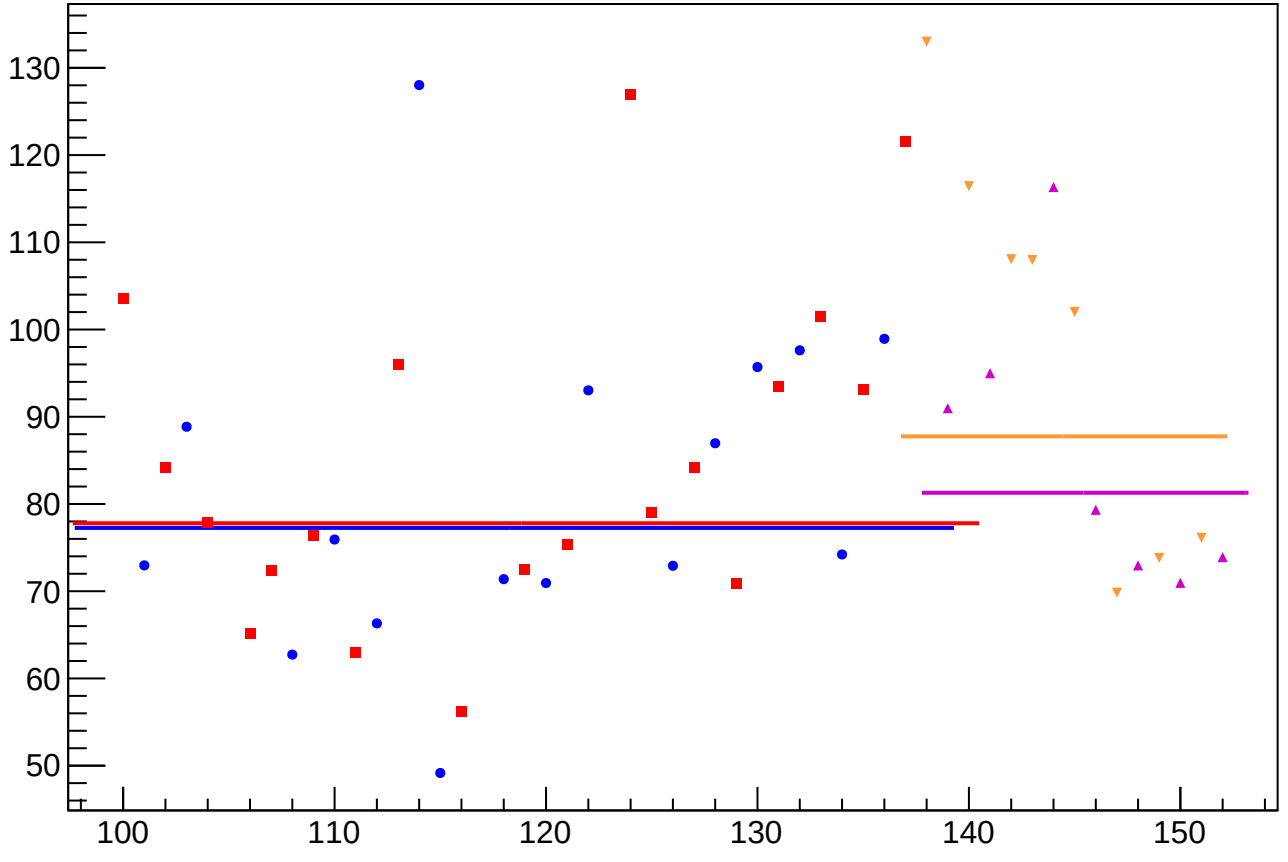
Left In: 0.037+/-0.034 χ^2/NDF:12.9/6

+ sign -0.003+/-0.023 χ^2/NDF: 25.5/23

All: 0.003+/-0.016 χ^2/NDF: 65.2/49

- sign 0.009+/-0.022 χ^2/NDF: 39.6/25

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 87.750+/-0.026 χ^2/NDF:581969.2/7

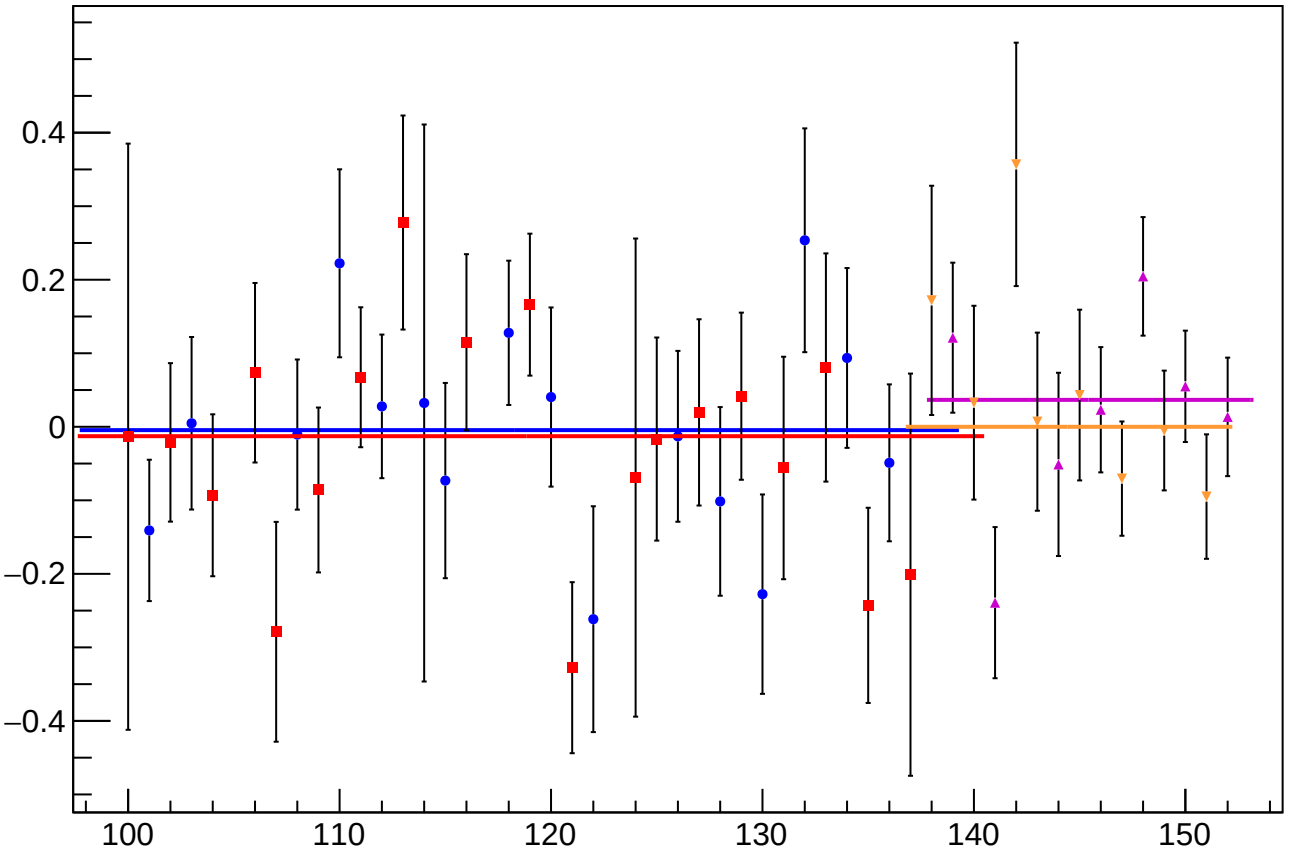
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 81.286+/-0.024 χ^2/NDF:288128.2/6

+ sign 81.438+/-0.016 χ^2/NDF: 1098410.4/23

All: 80.332+/-0.011 χ^2/NDF: 1803683.1/49

- sign 79.317+/-0.016 χ^2/NDF: 696633.2/25



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

Left Out: -0.000+/-0.037 χ^2/NDF:8.2/7

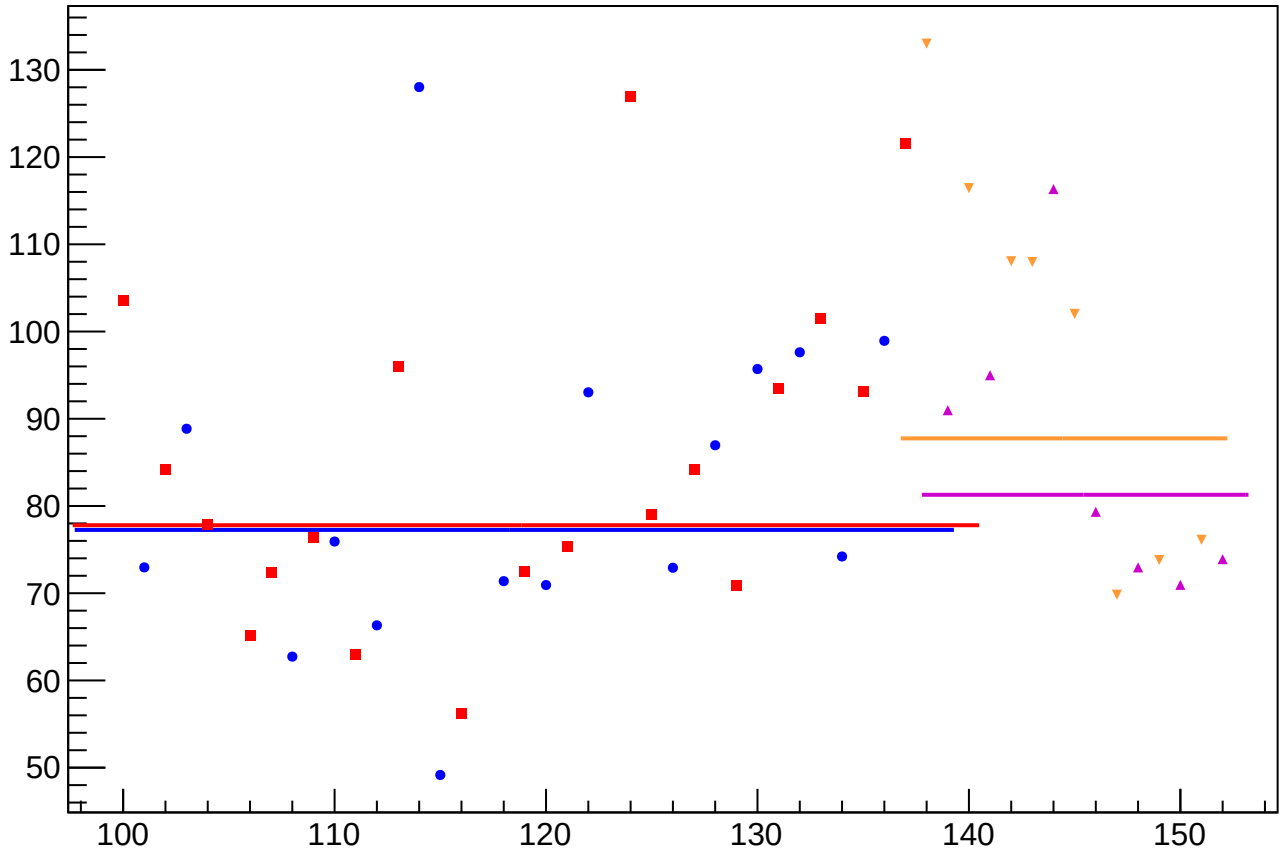
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.037+/-0.034 χ^2/NDF:12.9/6

+ sign -0.003+/-0.023 χ^2/NDF: 25.5/23

All: 0.003+/-0.016 χ^2/NDF: 65.2/49

- sign 0.009+/-0.022 χ^2/NDF: 39.6/25



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

Left Out: 87.750+/-0.026 χ^2/NDF:581969.2/7

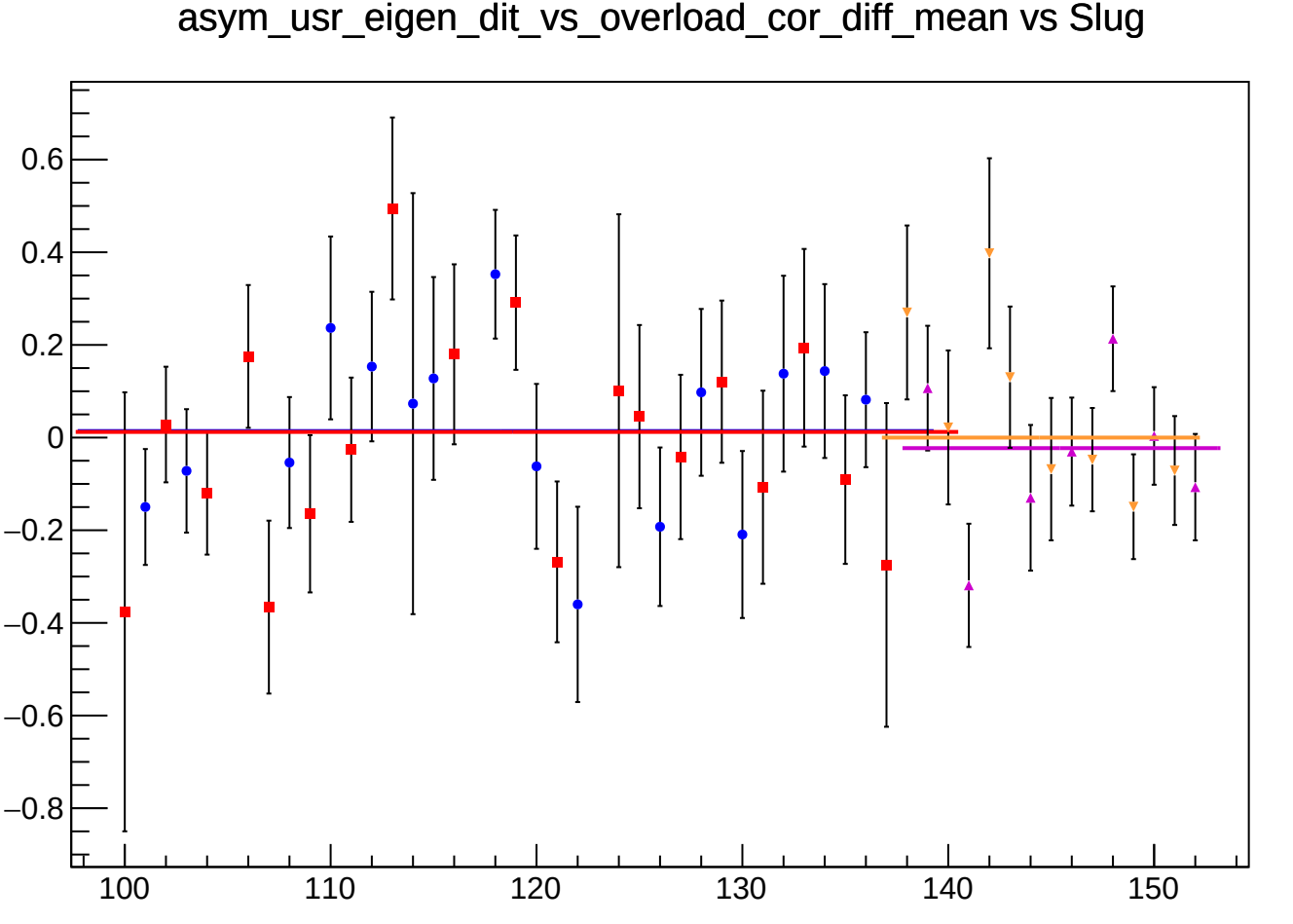
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 81.286+/-0.024 χ^2/NDF:288128.2/6

+ sign 81.438+/-0.016 χ^2/NDF: 1098410.4/23

All: 80.332+/-0.011 χ^2/NDF: 1803683.1/49

- sign 79.317+/-0.016 χ^2/NDF: 696633.2/25



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

Left Out: -0.000+/-0.050 χ^2/NDF:9.1/7

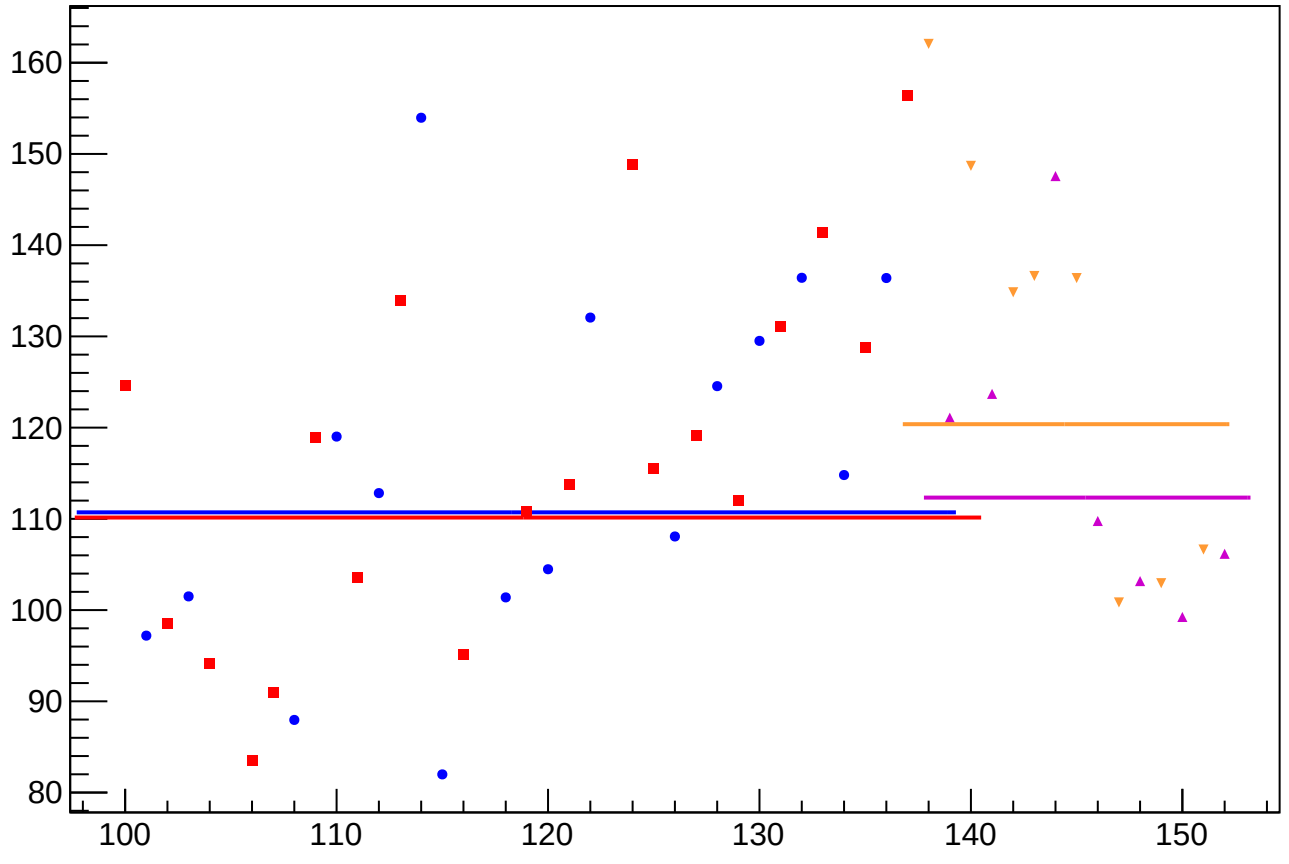
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.023+/-0.046 χ^2/NDF:11.3/6

+ sign 0.008+/-0.032 χ^2/NDF: 27.3/23

All: 0.002+/-0.022 χ^2/NDF: 62.7/49

- sign -0.003+/-0.031 χ^2/NDF: 35.4/25



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

Left Out: 120.377+/-0.035 χ^2/NDF:347309.8/7

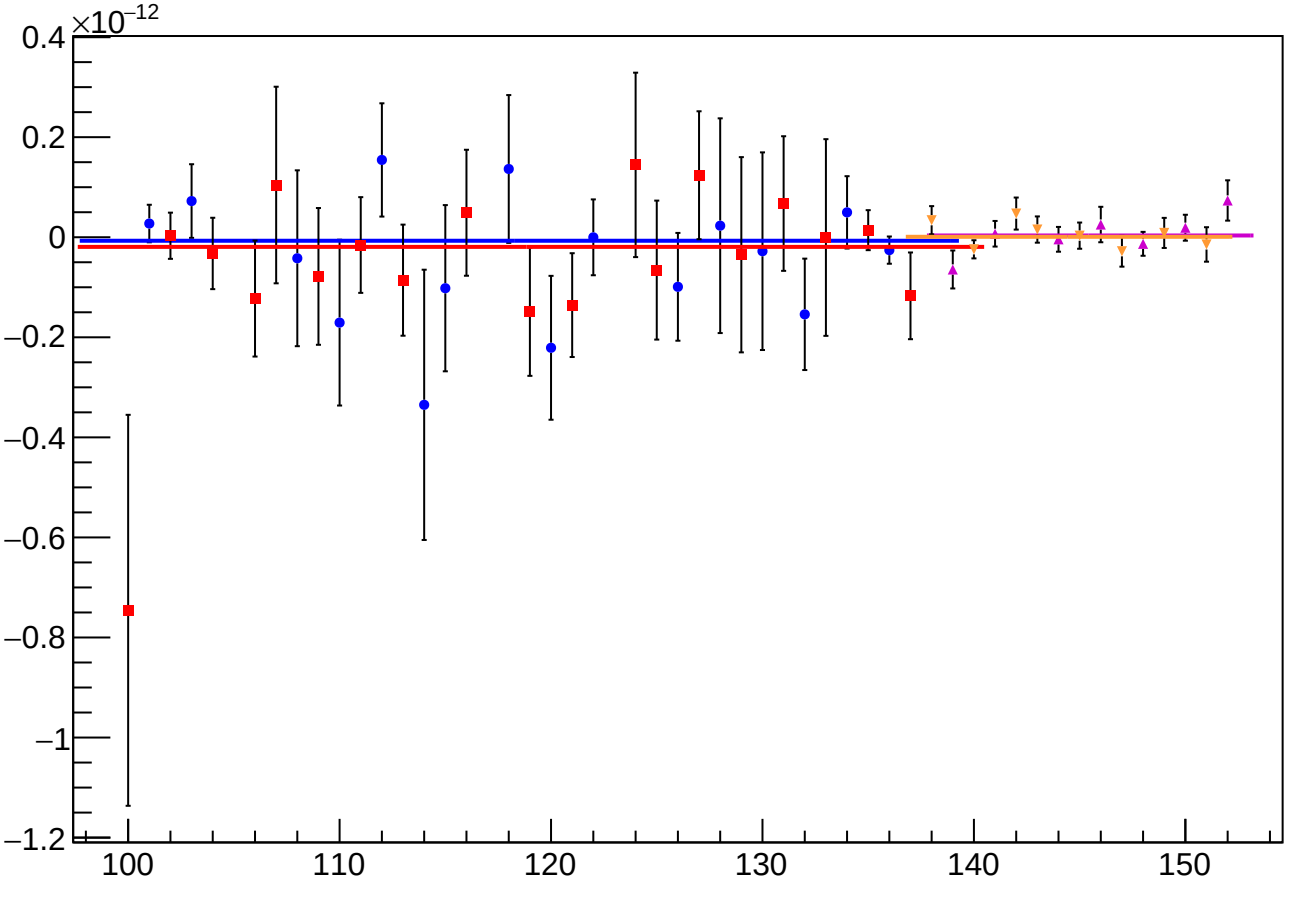
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 112.330+/-0.033 χ^2/NDF:174286.5/6

+ sign 114.769+/-0.023 χ^2/NDF: 691126.8/23

All: 112.860+/-0.016 χ^2/NDF: 1208048.5/49

- sign 111.117+/-0.022 χ^2/NDF: 503475.6/25



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/7

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

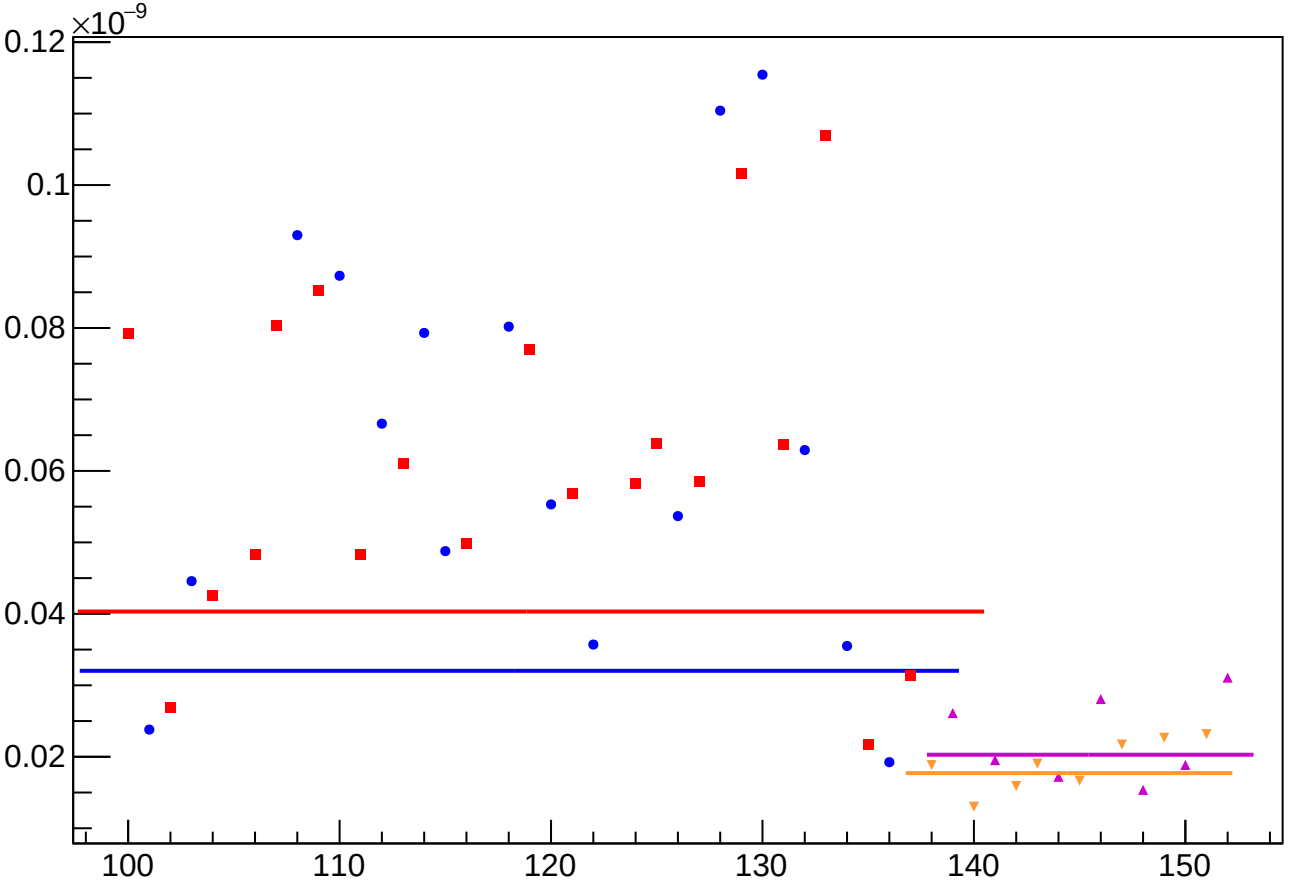
Left In: 0.000+/-0.000 χ^2/NDF:7.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 20.6/23

All: -0.000+/-0.000 χ^2/NDF: 41.7/49

- sign -0.000+/-0.000 χ^2/NDF: 21.1/25

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:290488.9/7

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

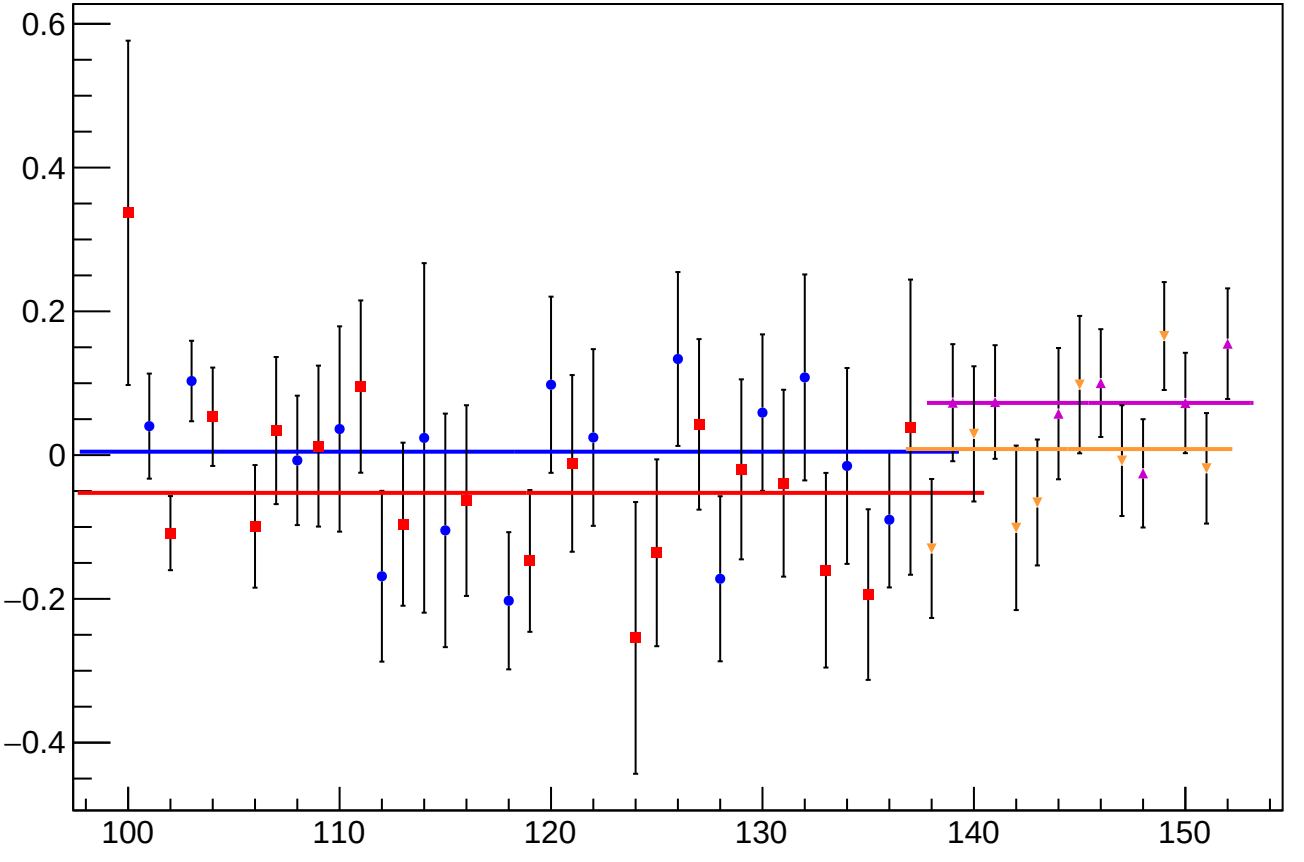
Left In: 0.000+/-0.000 χ^2/NDF:411205.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 3748175.0/23

All: 0.000+/-0.000 χ^2/NDF: 7611977.3/49

- sign 0.000+/-0.000 χ^2/NDF: 3701702.7/25

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: 0.008+/-0.031 χ^2/NDF:9.2/7

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

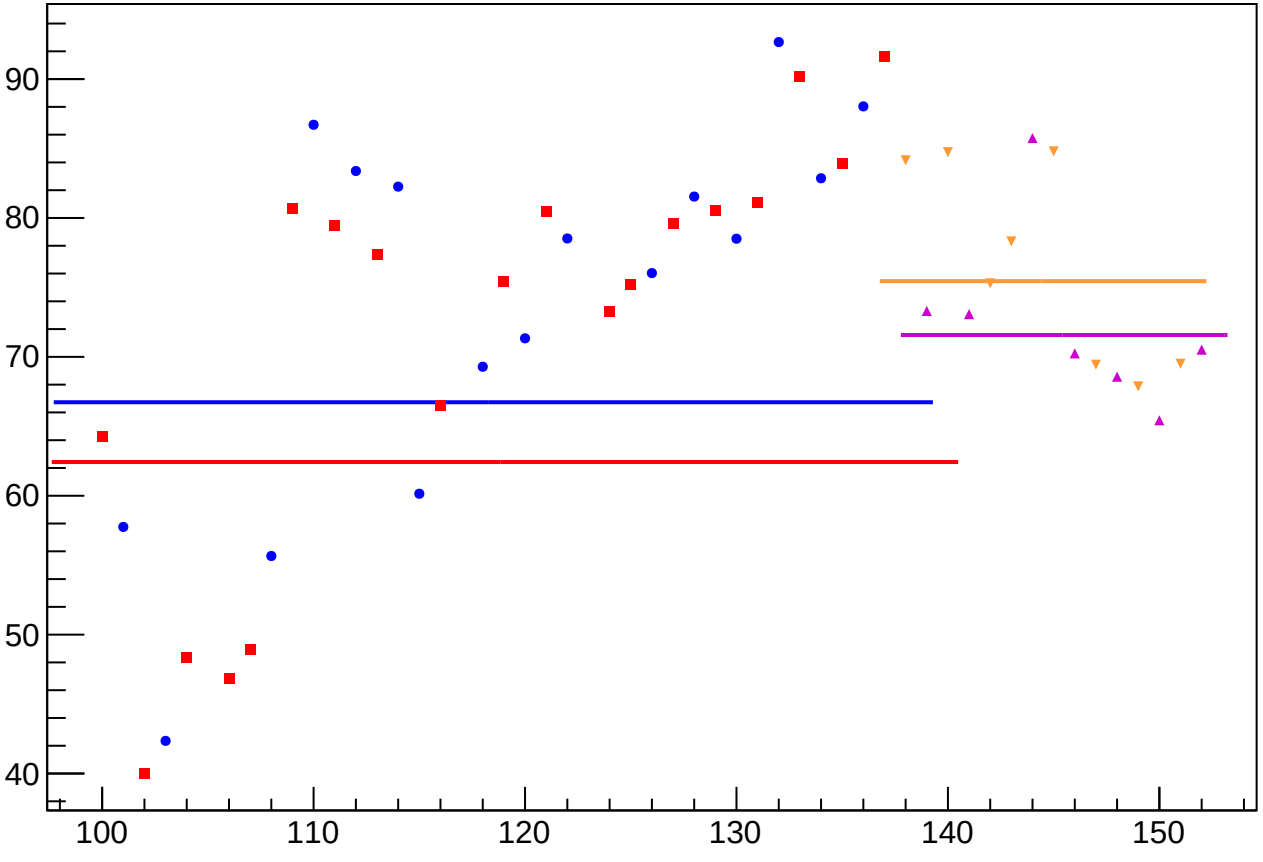
Left In: 0.073+/-0.029 χ^2/NDF:3.0/6

+ sign 0.006+/-0.020 χ^2/NDF: 25.8/23

All: 0.002+/-0.014 χ^2/NDF: 54.5/49

- sign -0.002+/-0.019 χ^2/NDF: 28.7/25

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 75.452+/-0.022 χ^2/NDF:101471.4/7

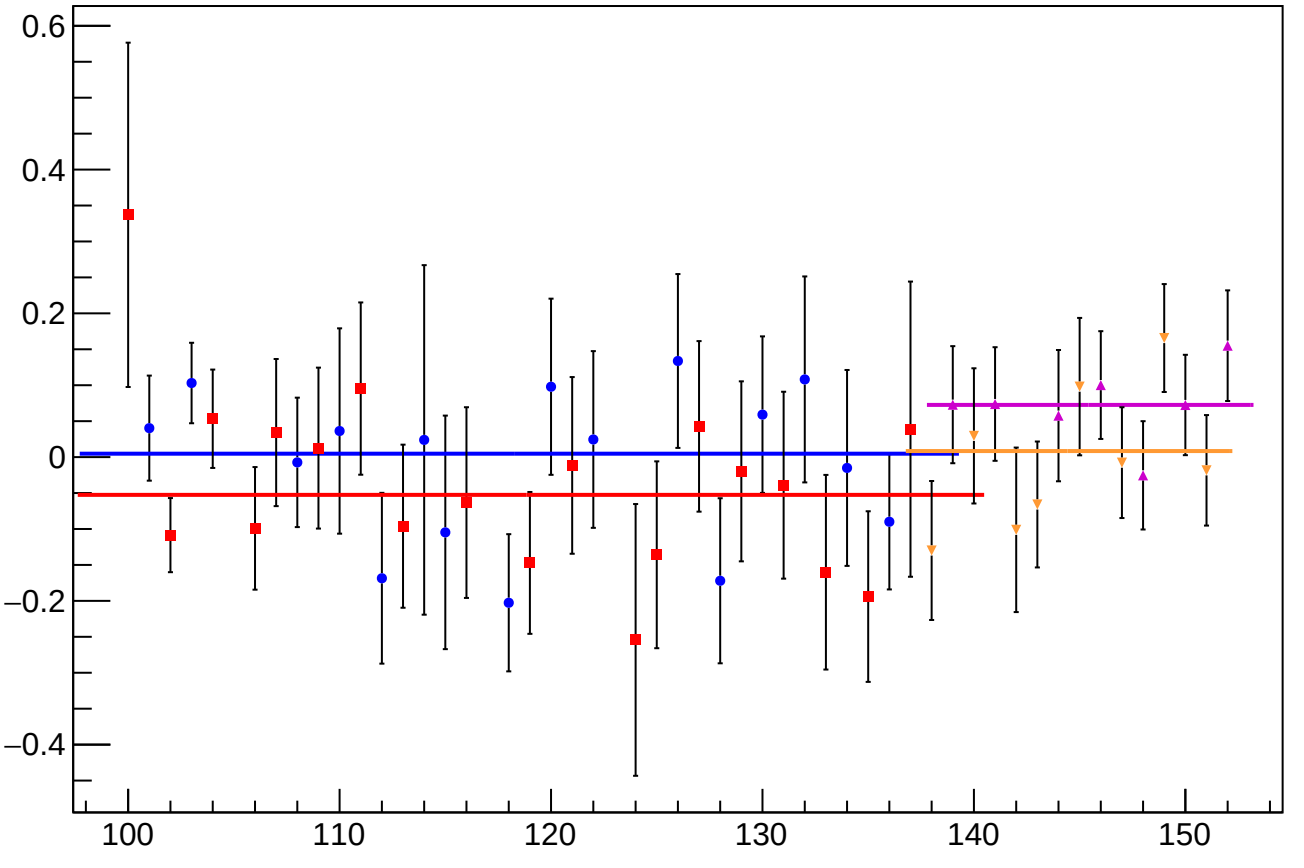
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

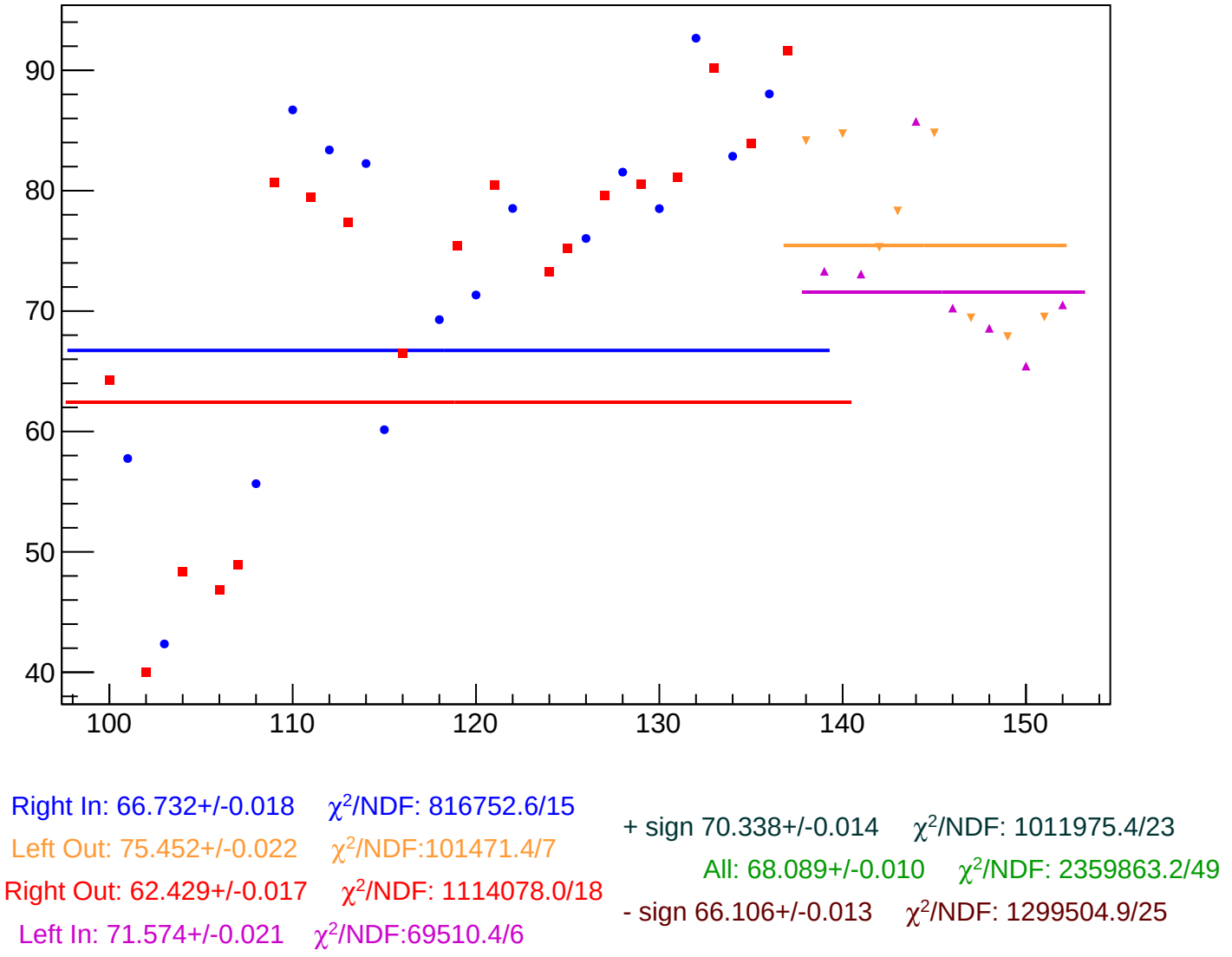
Left In: 71.574+/-0.021 χ^2/NDF:69510.4/6

+ sign 70.338+/-0.014 χ^2/NDF: 1011975.4/23

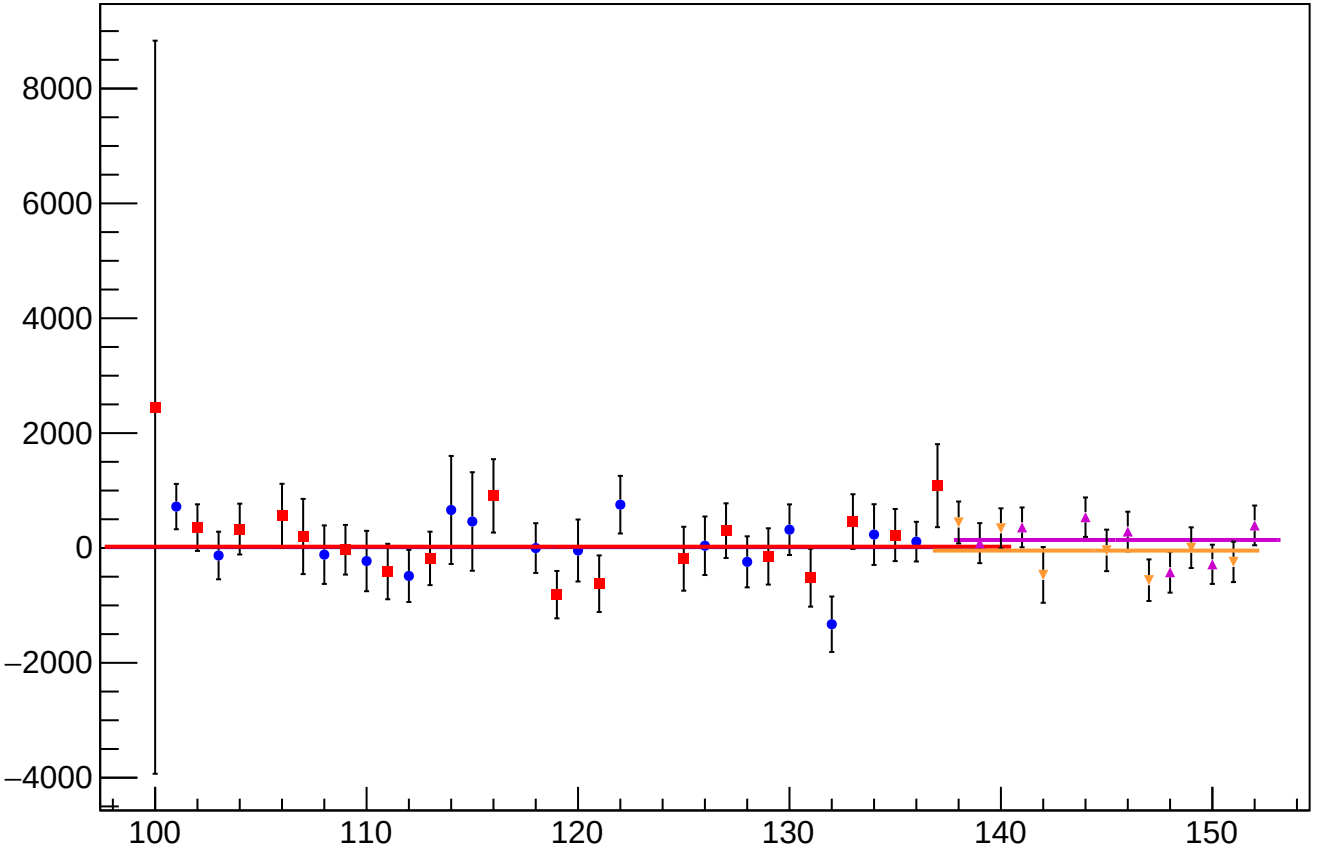
All: 68.089+/-0.010 χ^2/NDF: 2359863.2/49

- sign 66.106+/-0.013 χ^2/NDF: 1299504.9/25


asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: 0.008+/-0.031 χ²/NDF:9.2/7
Right Out: -0.053+/-0.024 χ²/NDF: 14.8/18
Left In: 0.073+/-0.029 χ²/NDF:3.0/6
+ sign 0.006+/-0.020 χ²/NDF: 25.8/23
All: 0.002+/-0.014 χ²/NDF: 54.5/49
- sign -0.002+/-0.019 χ²/NDF: 28.7/25


asym_usr_overload_cor_vs_eigen_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: 75.452+/-0.022 χ²/NDF:101471.4/7
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 71.574+/-0.021 χ²/NDF:69510.4/6
+ sign 70.338+/-0.014 χ²/NDF: 1011975.4/23
All: 68.089+/-0.010 χ²/NDF: 2359863.2/49
- sign 66.106+/-0.013 χ²/NDF: 1299504.9/25

asym_dsl_mean vs Slug



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

Left Out: -45.542+/-139.579 χ^2/NDF:6.2/6

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

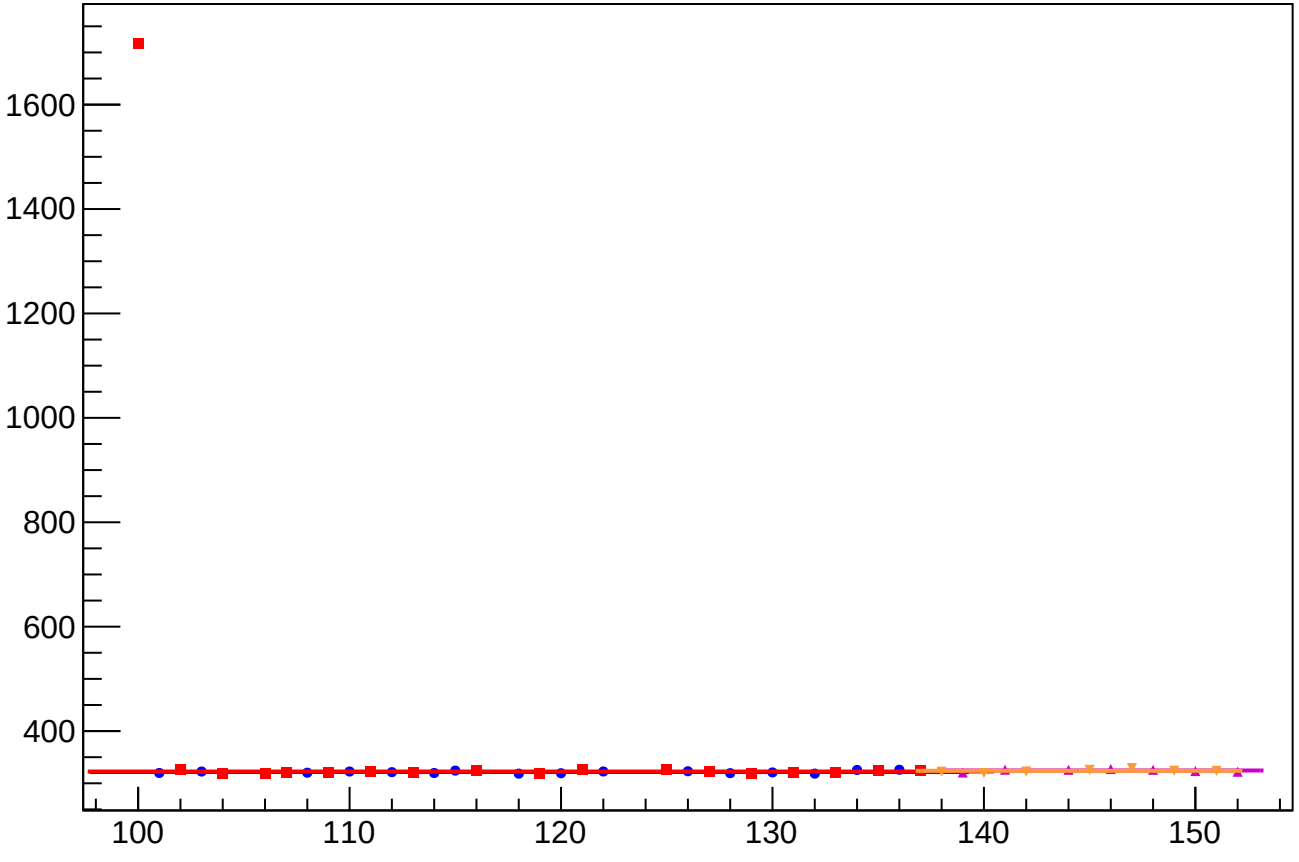
Left In: 139.588+/-130.980 χ^2/NDF:6.5/6

+ sign -10.291+/-90.746 χ^2/NDF: 22.8/22

All: 33.768+/-63.234 χ^2/NDF: 46.2/47

- sign 75.355+/-88.163 χ^2/NDF: 22.9/24

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 323.919+/-0.099 χ^2/NDF:815.6/6

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

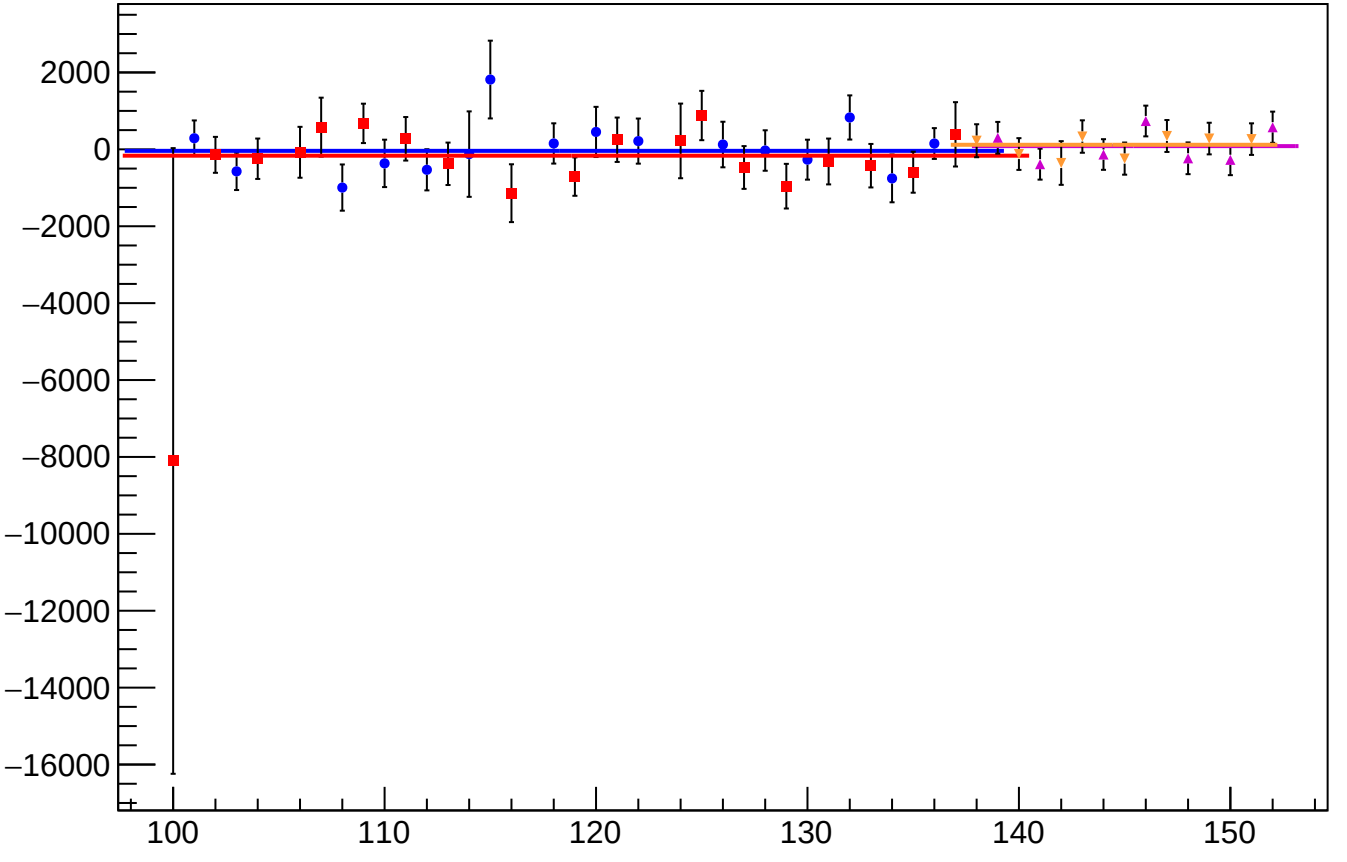
Left In: 324.535+/-0.093 χ^2/NDF:596.1/6

+ sign 322.583+/-0.064 χ^2/NDF: 1956.2/22

All: 323.029+/-0.045 χ^2/NDF: 99789.0/47

- sign 323.451+/-0.062 χ^2/NDF: 97738.6/24

asym_dsr_mean vs Slug



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

Left Out: 118.631+/-151.826 χ^2/NDF:2.7/7

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

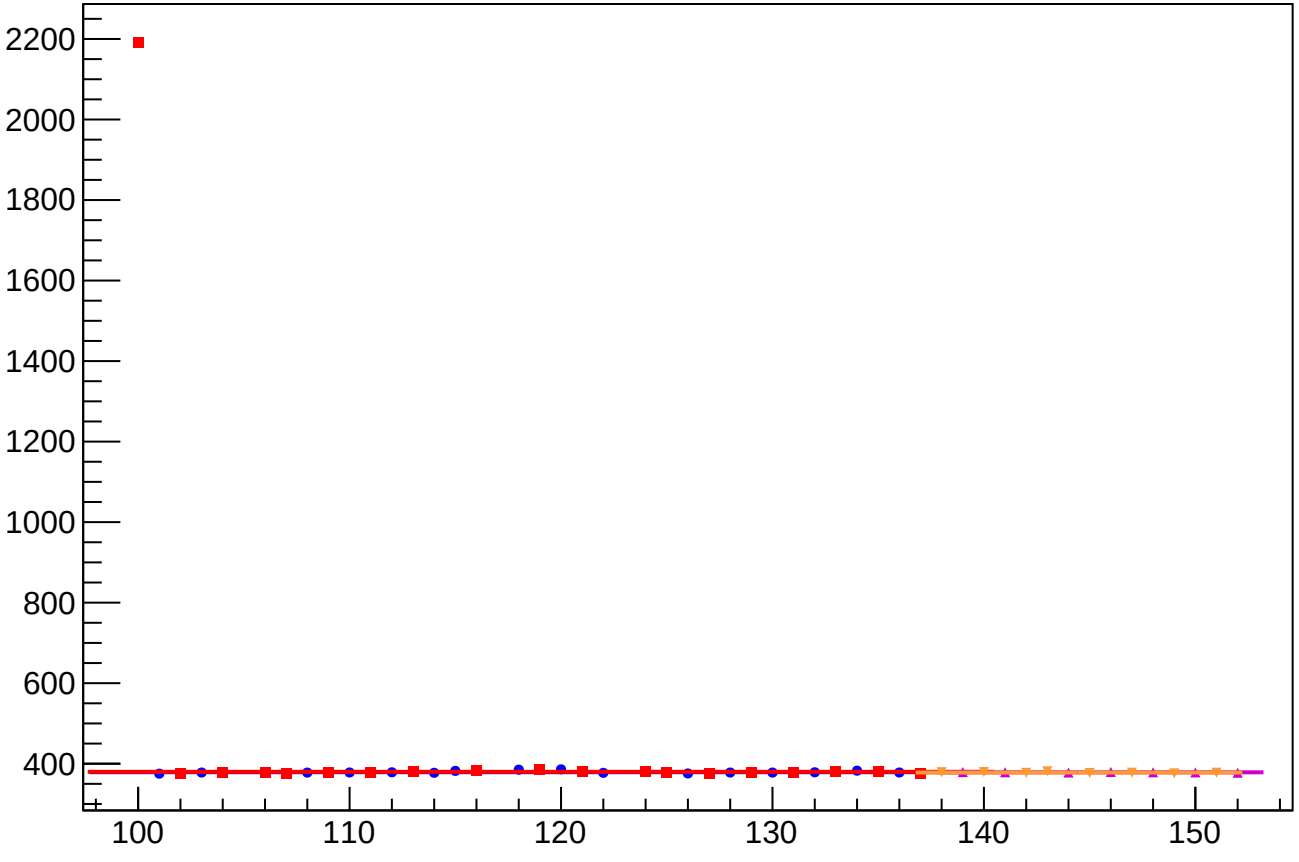
Left In: 83.989+/-152.812 χ^2/NDF:7.5/6

+ sign 33.886+/-103.207 χ^2/NDF: 17.0/23

All: -9.273+/-72.837 χ^2/NDF: 41.4/49

- sign -52.100+/-102.810 χ^2/NDF: 24.0/25

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.093+/-0.107 χ^2/NDF:193.8/7

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

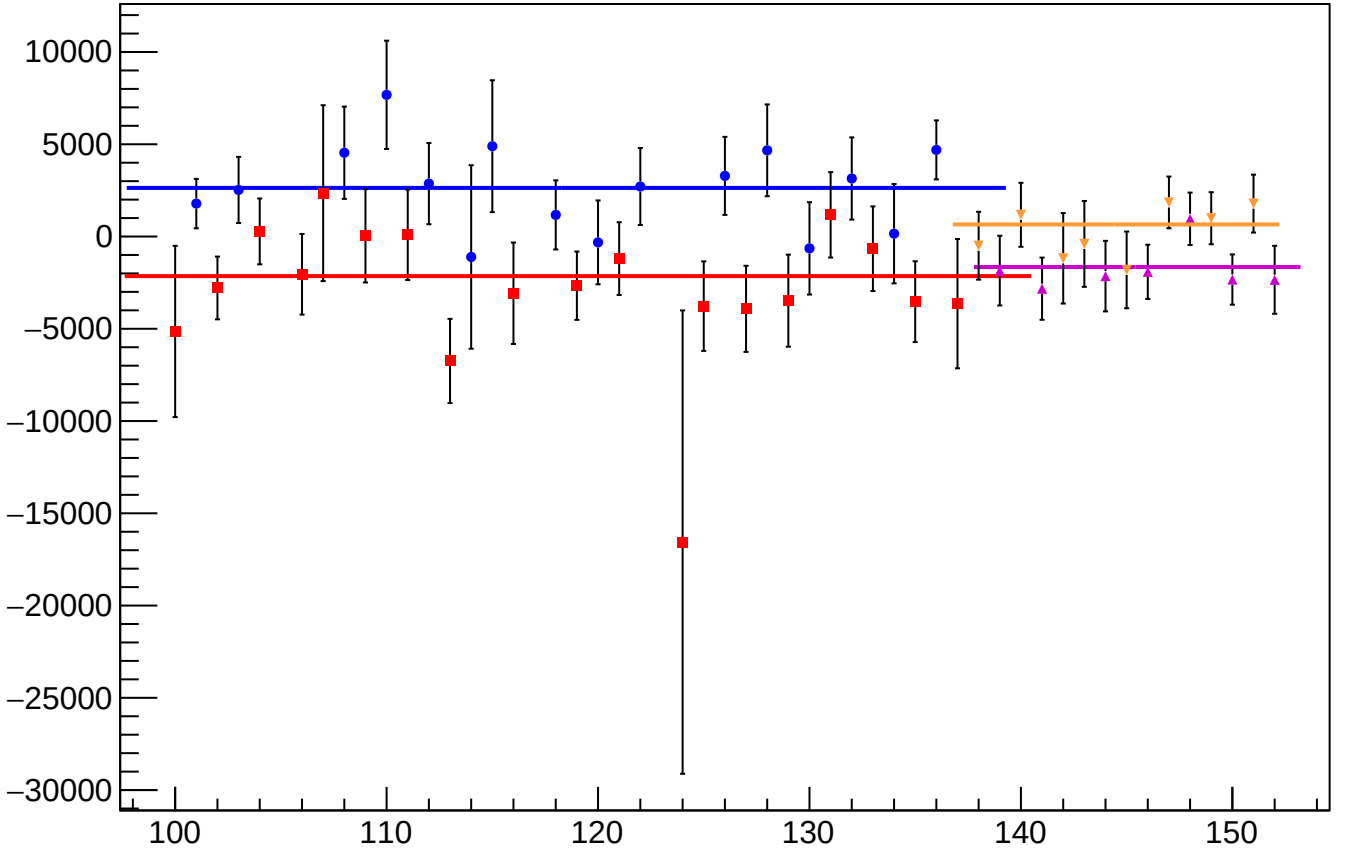
Left In: 378.615+/-0.108 χ^2/NDF:32.9/6

+ sign 378.533+/-0.073 χ^2/NDF: 1076.1/23

All: 378.921+/-0.052 χ^2/NDF: 100861.6/49

- sign 379.306+/-0.073 χ^2/NDF: 99729.1/25

asym_us_agg_avg_mean vs Slug



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

Left Out: 654.484+/-616.549 χ^2/NDF:4.0/7

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

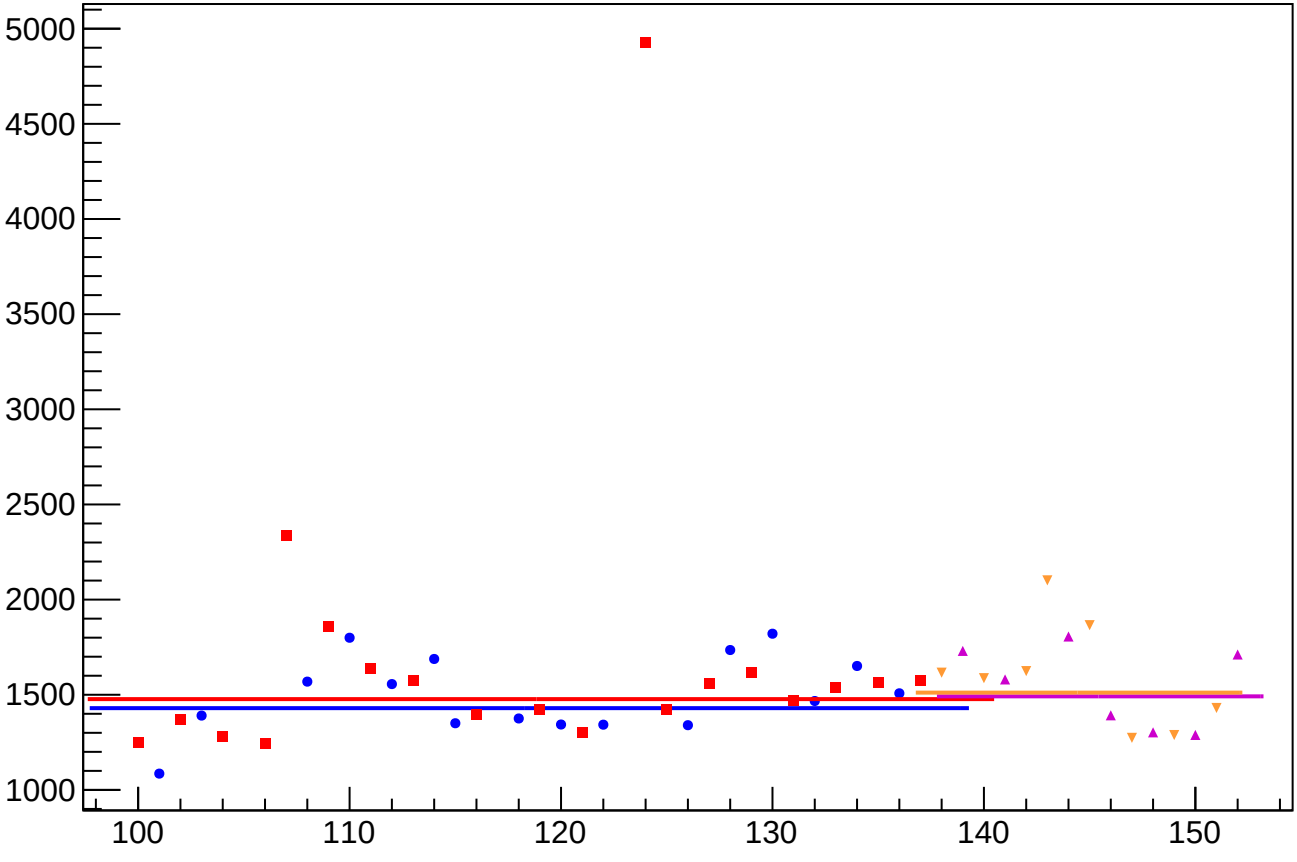
Left In: -1653.489+/-608.702 χ^2/NDF:4.4/6

+ sign 1779.028+/-405.383 χ^2/NDF: 22.1/23

All: -66.420+/-287.164 χ^2/NDF: 83.4/49

- sign -1925.189+/-406.843 χ^2/NDF: 19.8/25

asym_us_agg_avg_rms vs Slug



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

Left Out: 1511.266+/-0.436 χ^2/NDF:314159.4/7

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

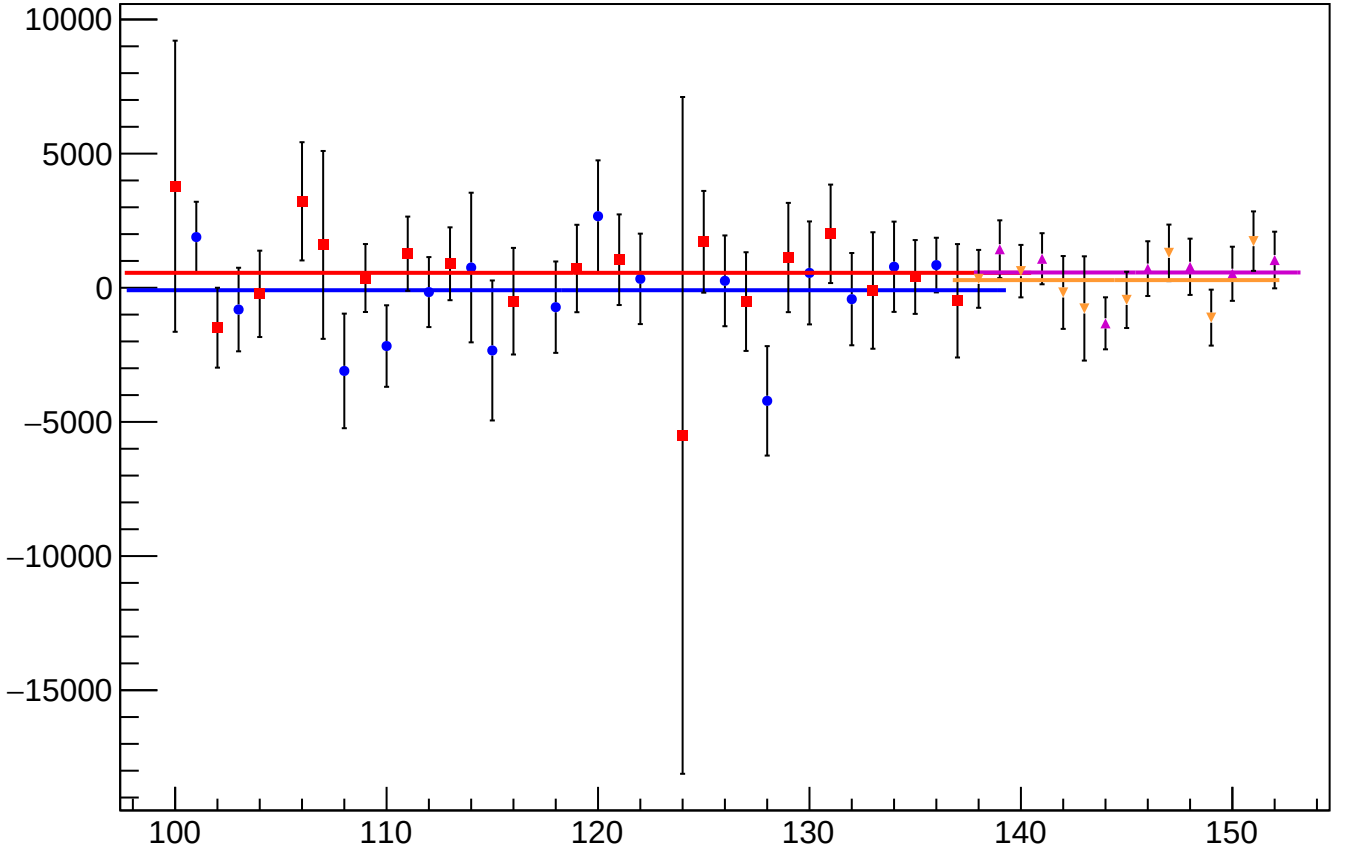
Left In: 1491.649+/-0.430 χ^2/NDF:209126.1/6

+ sign 1464.936+/-0.287 χ^2/NDF: 627441.7/23

All: 1474.241+/-0.203 χ^2/NDF: 1208743.5/49

- sign 1483.614+/-0.288 χ^2/NDF: 579186.6/25

asym_us_agg_dd_mean vs Slug



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

Left Out: 285.645+/-399.767 χ^2/NDF:5.5/7

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

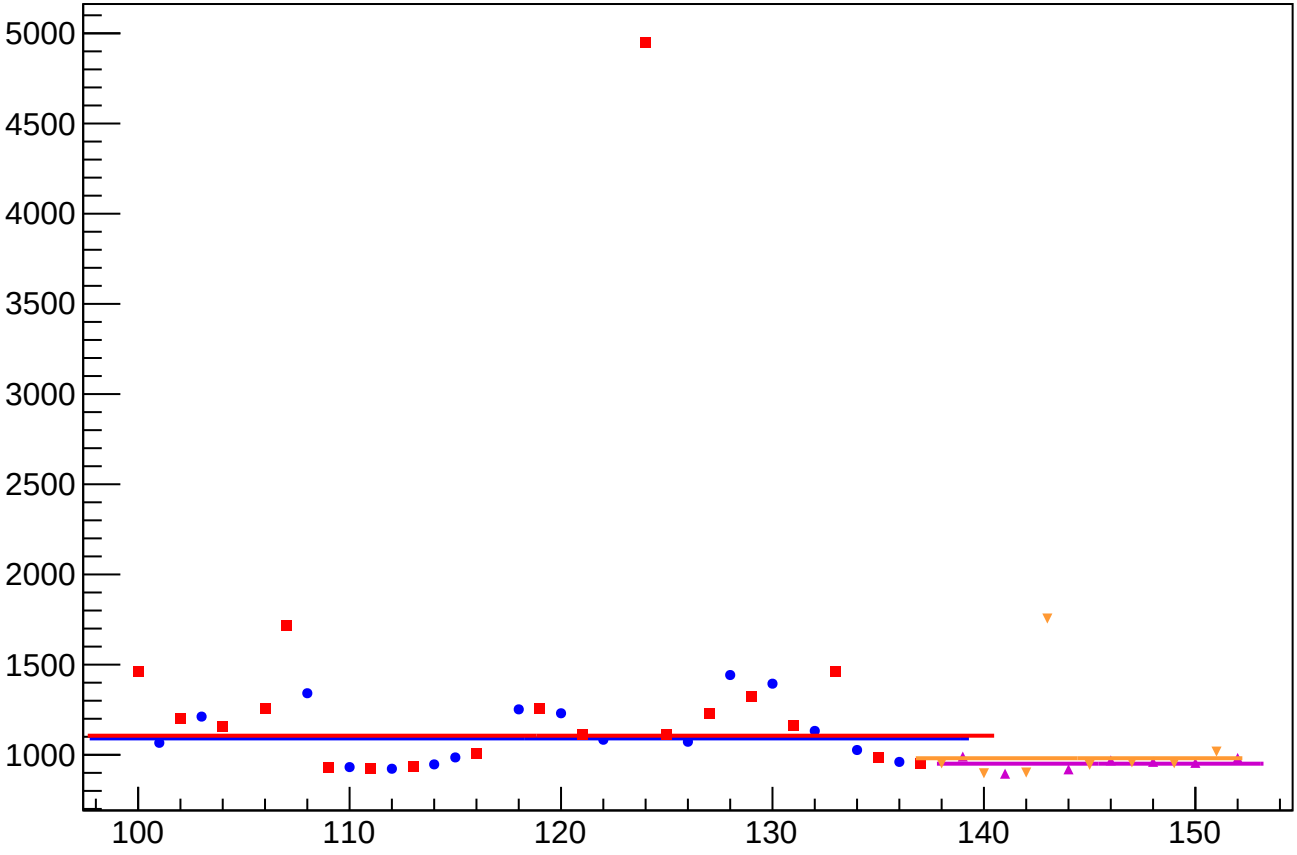
Left In: 569.586+/-384.060 χ^2/NDF:5.0/6

+ sign 101.913+/-286.212 χ^2/NDF: 20.4/23

All: 337.252+/-200.414 χ^2/NDF: 33.5/49

- sign 563.650+/-280.722 χ^2/NDF: 11.8/25

asym_us_agg_dd_rms vs Slug



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

Left Out: 981.096+/-0.283 χ^2/NDF:347530.2/7

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

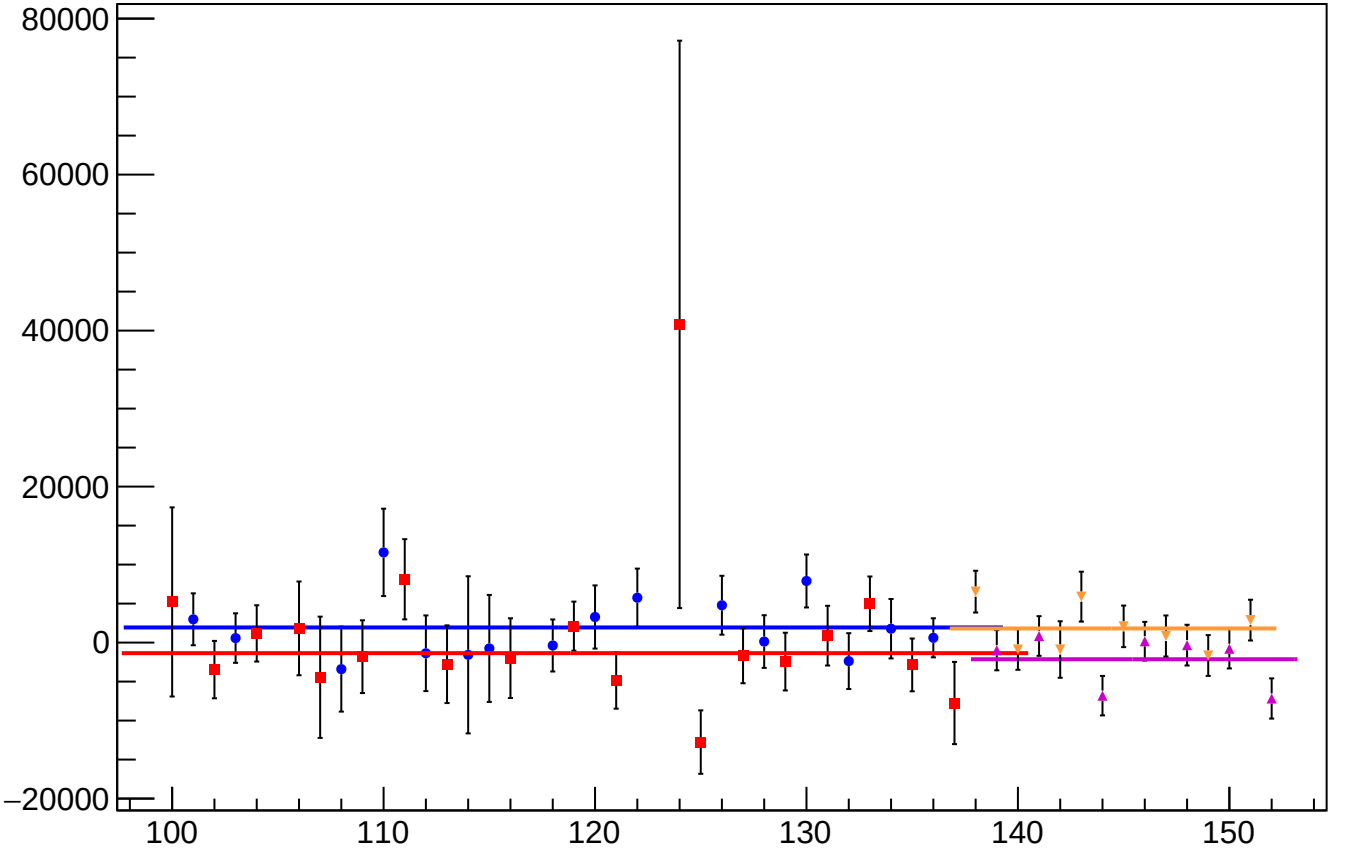
Left In: 950.876+/-0.272 χ^2/NDF:14232.2/6

+ sign 1034.685+/-0.202 χ^2/NDF: 698569.7/23

All: 1028.803+/-0.142 χ^2/NDF: 1380607.7/49

- sign 1023.144+/-0.199 χ^2/NDF: 680380.7/25

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1811.729+/-980.759 χ^2/NDF:8.4/7

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

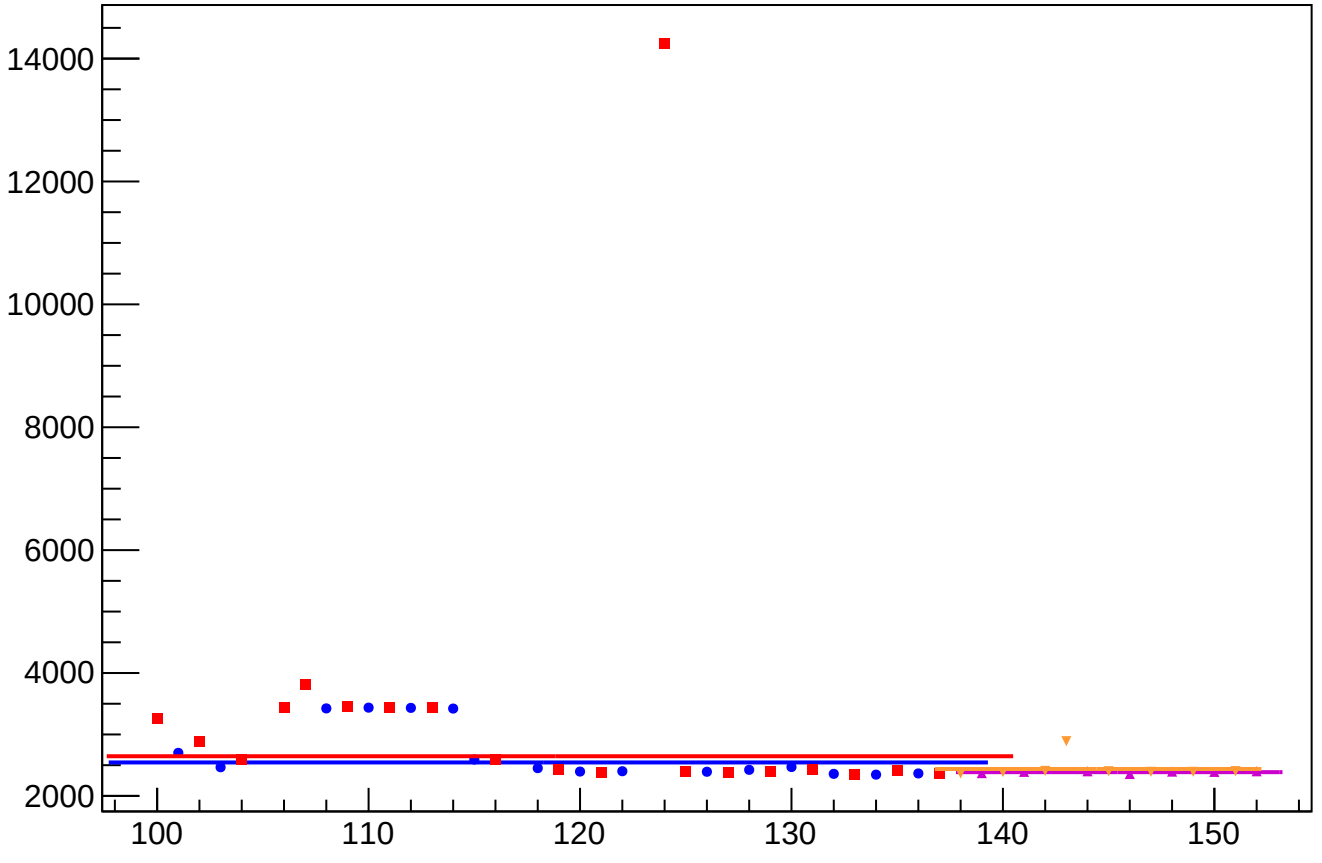
Left In: -2134.780+/-963.147 χ^2/NDF:10.4/6

+ sign 1877.560+/-683.305 χ^2/NDF: 20.7/23

All: 76.557+/-485.060 χ^2/NDF: 67.2/49

- sign -1752.915+/-688.685 χ^2/NDF: 32.5/25

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2438.148+/-0.694 χ^2/NDF:44411.5/7

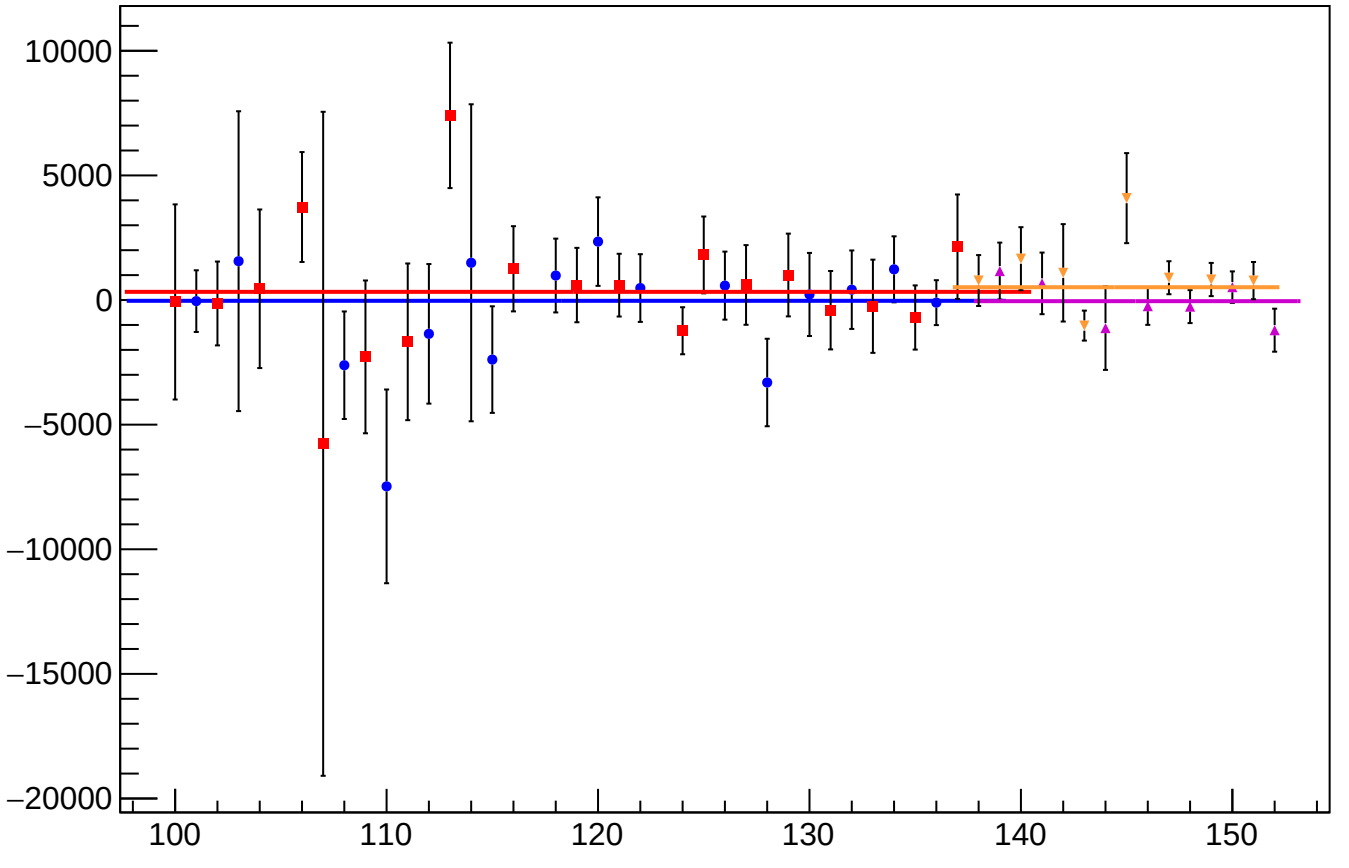
Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2386.438+/-0.681 χ^2/NDF:531.2/6

+ sign 2492.833+/-0.483 χ^2/NDF: 282108.4/23

All: 2502.897+/-0.343 χ^2/NDF: 891275.1/49

- sign 2513.119+/-0.487 χ^2/NDF: 608292.2/25



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 514.498+/-298.248 χ^2/NDF:12.1/7

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

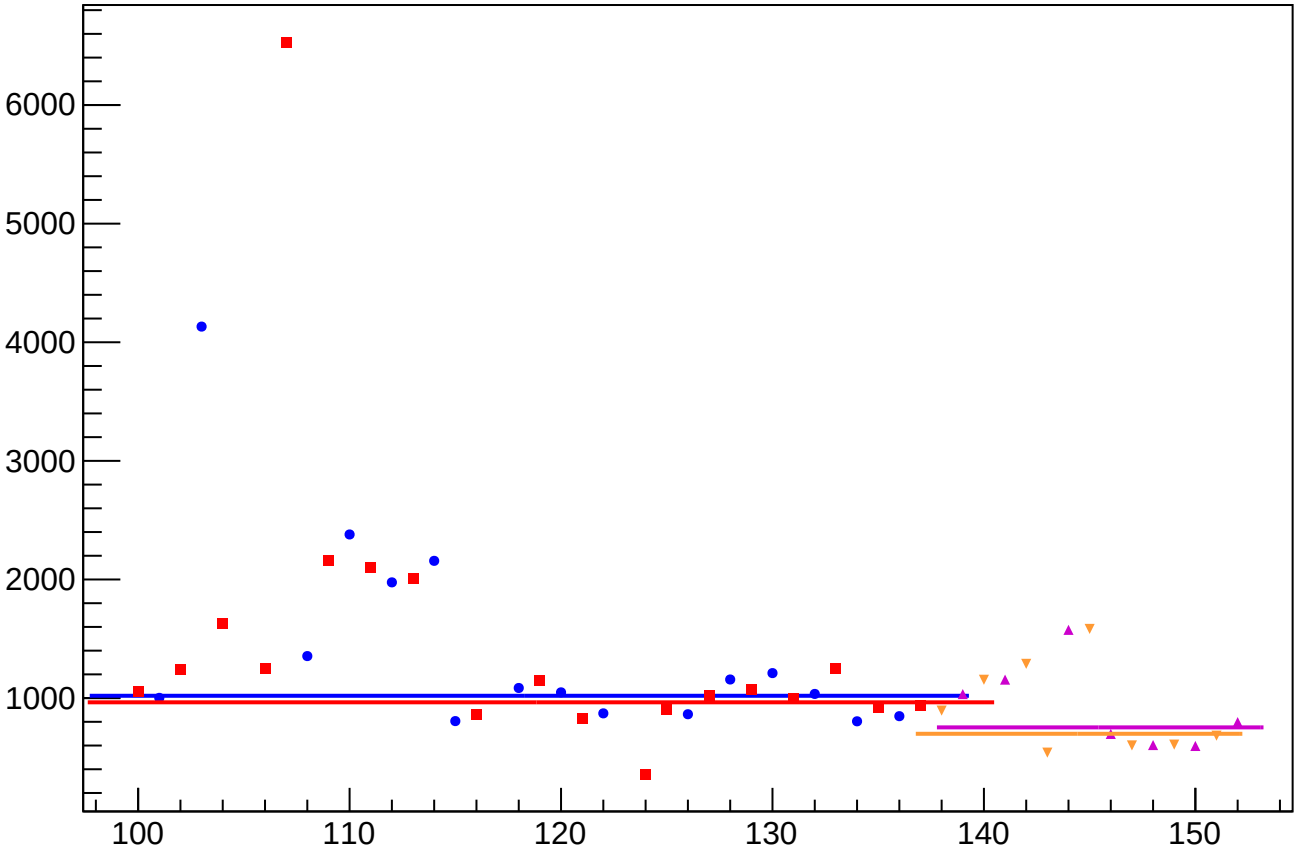
Left In: -45.149+/-321.246 χ^2/NDF:4.7/6

+ sign 323.068+/-240.306 χ^2/NDF: 27.1/23

All: 216.948+/-173.287 χ^2/NDF: 48.3/49

- sign 101.986+/-250.117 χ^2/NDF: 20.8/25

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 699.047+/-0.211 χ^2/NDF:1215765.9/7

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

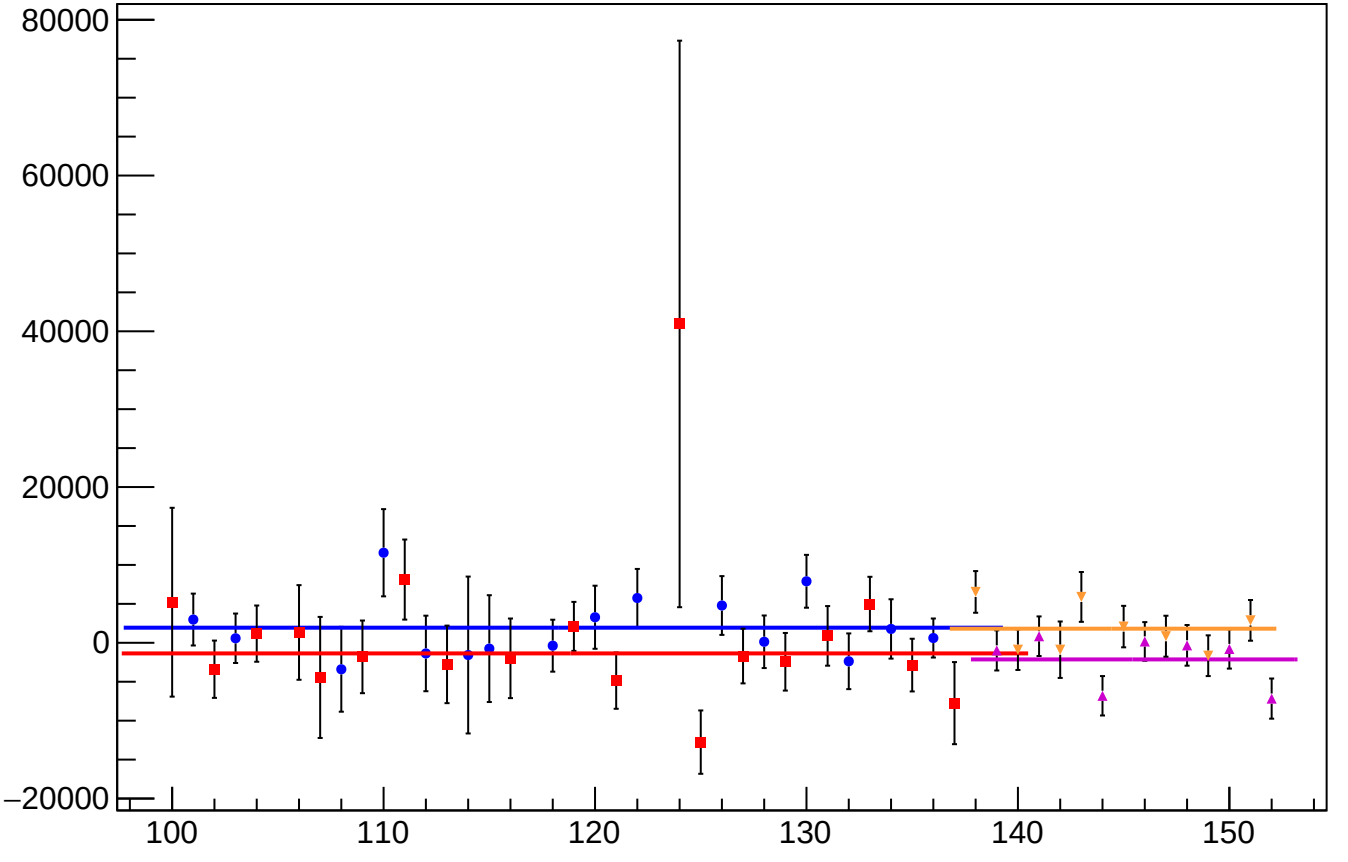
Left In: 753.022+/-0.227 χ^2/NDF:1054397.9/6

+ sign 811.471+/-0.170 χ^2/NDF: 3390597.4/23

All: 823.368+/-0.123 χ^2/NDF: 7105500.2/49

- sign 836.256+/-0.177 χ^2/NDF: 3704690.8/25

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1811.502+/-980.759 χ^2/NDF:8.4/7

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

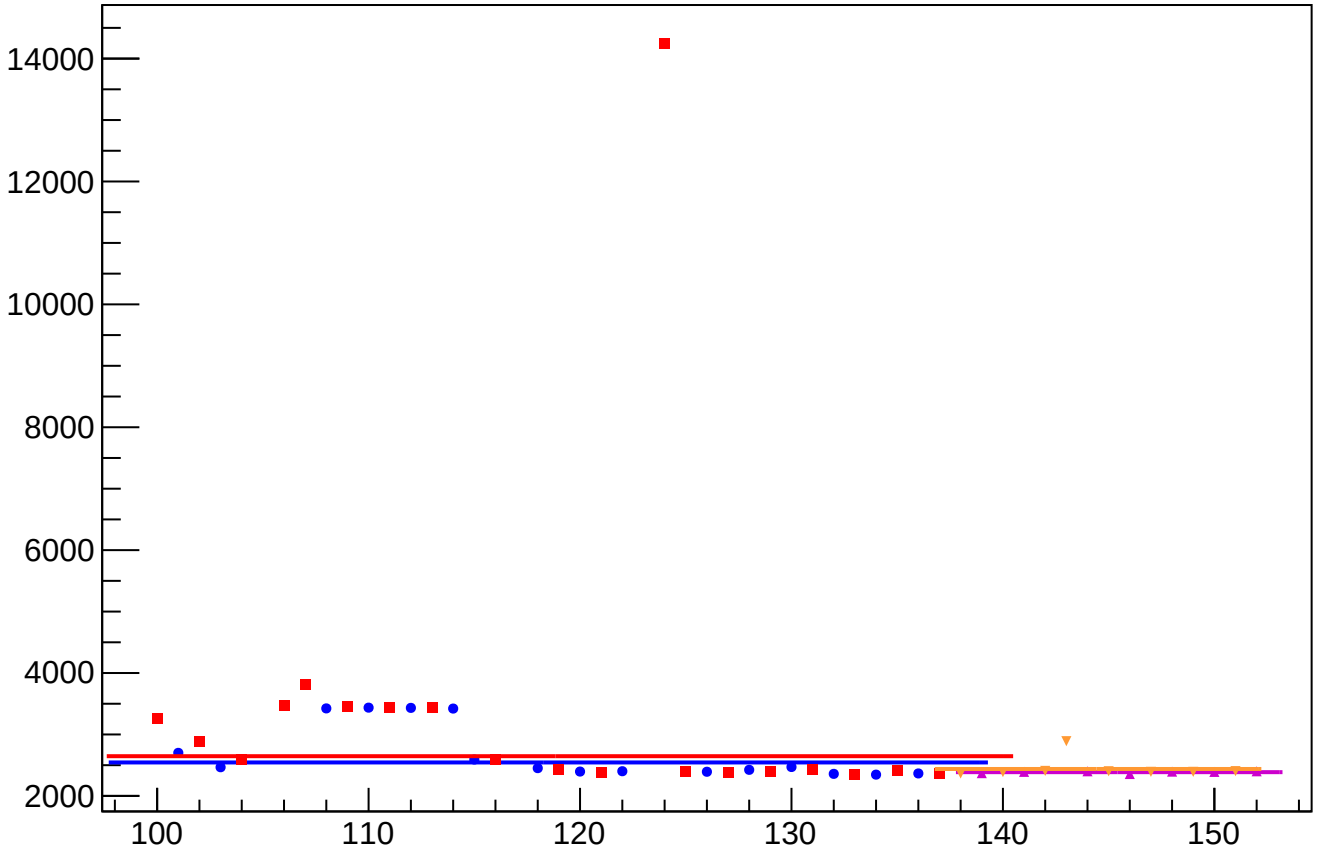
Left In: -2134.989+/-963.147 χ^2/NDF:10.4/6

+ sign 1877.629+/-683.305 χ^2/NDF: 20.7/23

All: 74.410+/-485.096 χ^2/NDF: 67.2/49

- sign -1757.861+/-688.787 χ^2/NDF: 32.4/25

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2438.148+/-0.694 χ^2/NDF:44411.5/7

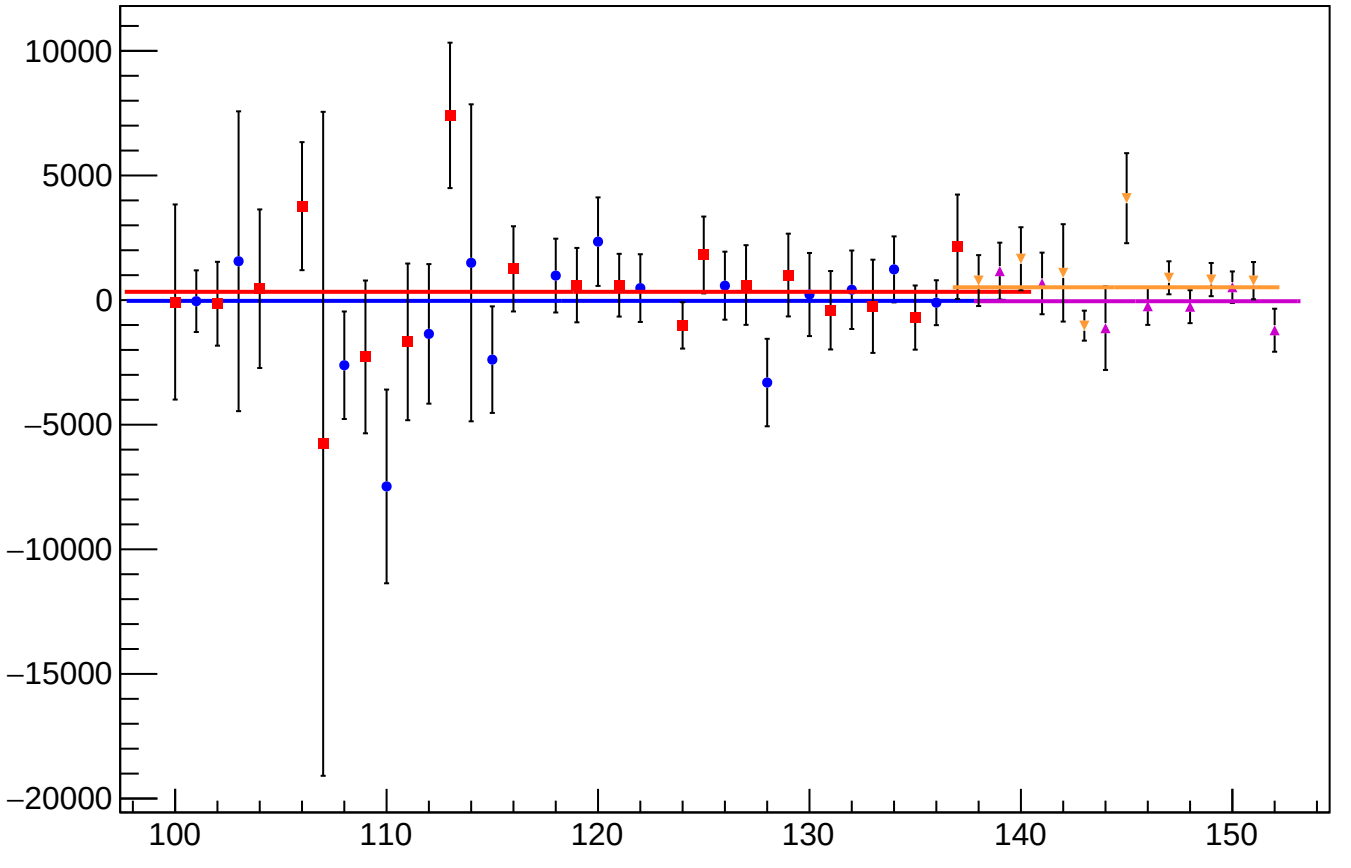
Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2386.438+/-0.681 χ^2/NDF:531.2/6

+ sign 2492.833+/-0.483 χ^2/NDF: 282108.4/23

All: 2503.010+/-0.343 χ^2/NDF: 894158.7/49

- sign 2513.352+/-0.487 χ^2/NDF: 611155.8/25



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 514.395+/-298.252 χ^2/NDF:12.1/7

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

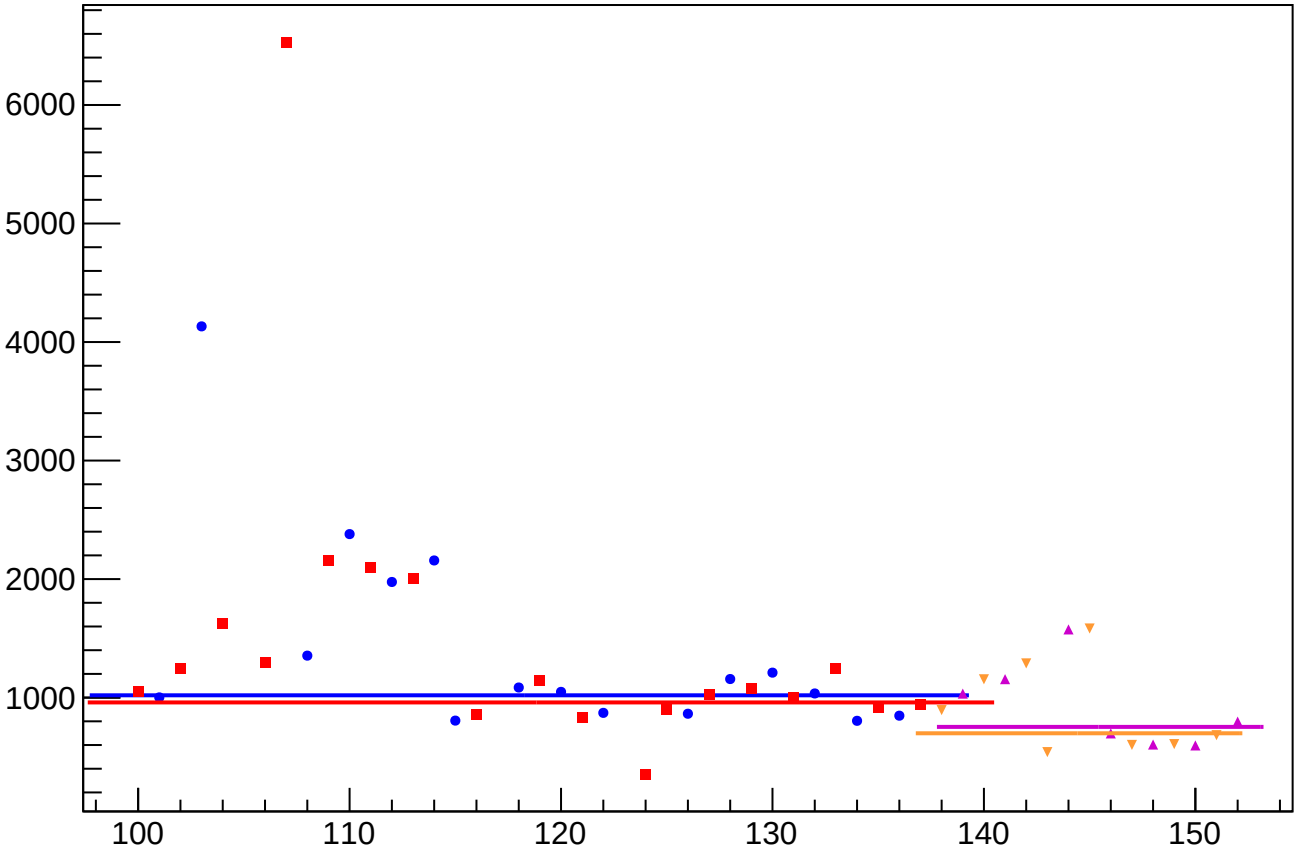
Left In: -45.261+/-321.243 χ^2/NDF:4.7/6

+ sign 322.974+/-240.308 χ^2/NDF: 27.1/23

All: 217.441+/-173.350 χ^2/NDF: 47.1/49

- sign 102.944+/-250.305 χ^2/NDF: 19.6/25

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 699.058+/-0.211 χ^2/NDF:1215708.0/7

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

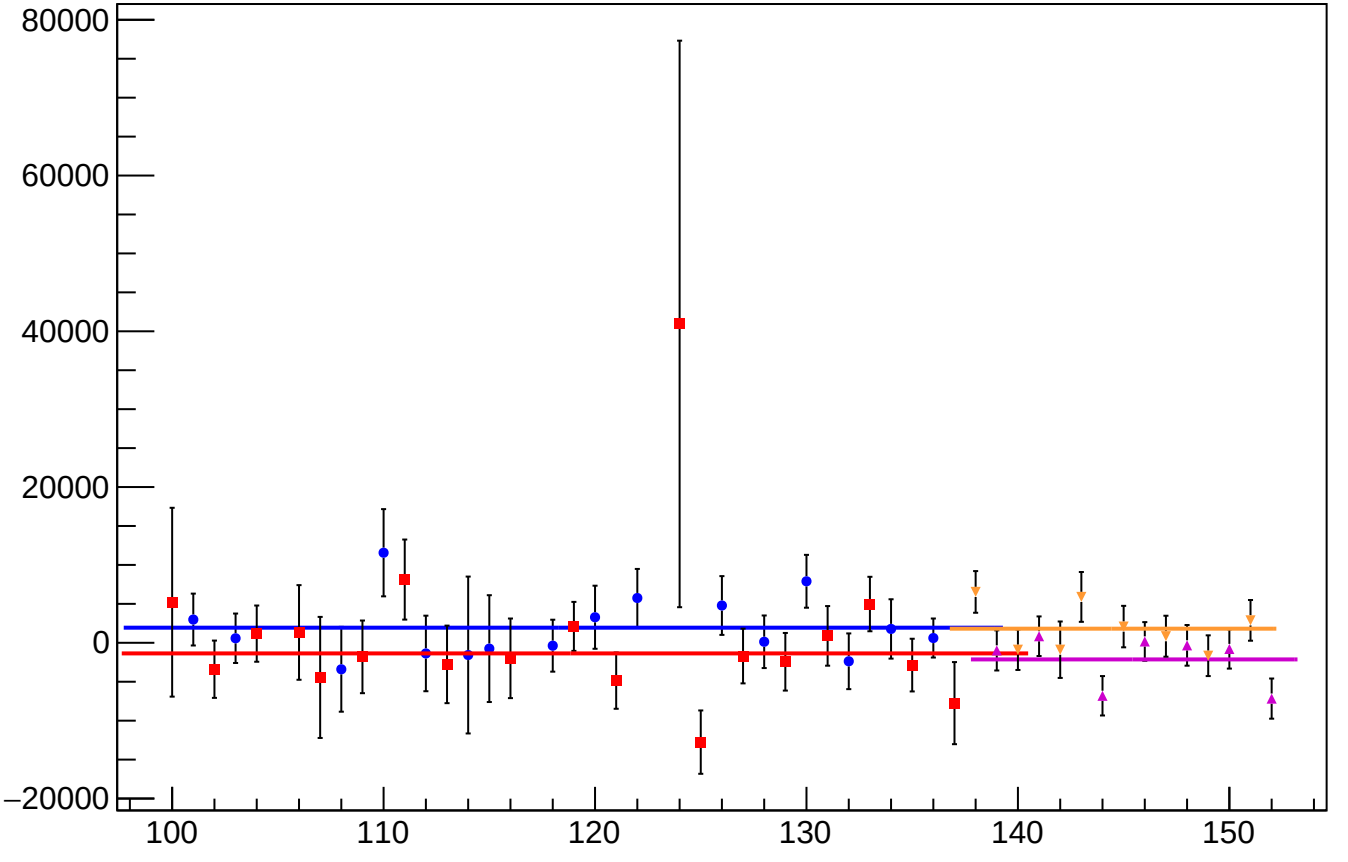
Left In: 753.013+/-0.227 χ^2/NDF:1054443.0/6

\+ sign 811.478+/-0.170 χ^2/NDF: 3390433.5/23

All: 822.317+/-0.123 χ^2/NDF: 7121953.9/49

\- sign 834.077+/-0.177 χ^2/NDF: 3723036.9/25

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1811.502+/-980.759 χ^2/NDF:8.4/7

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

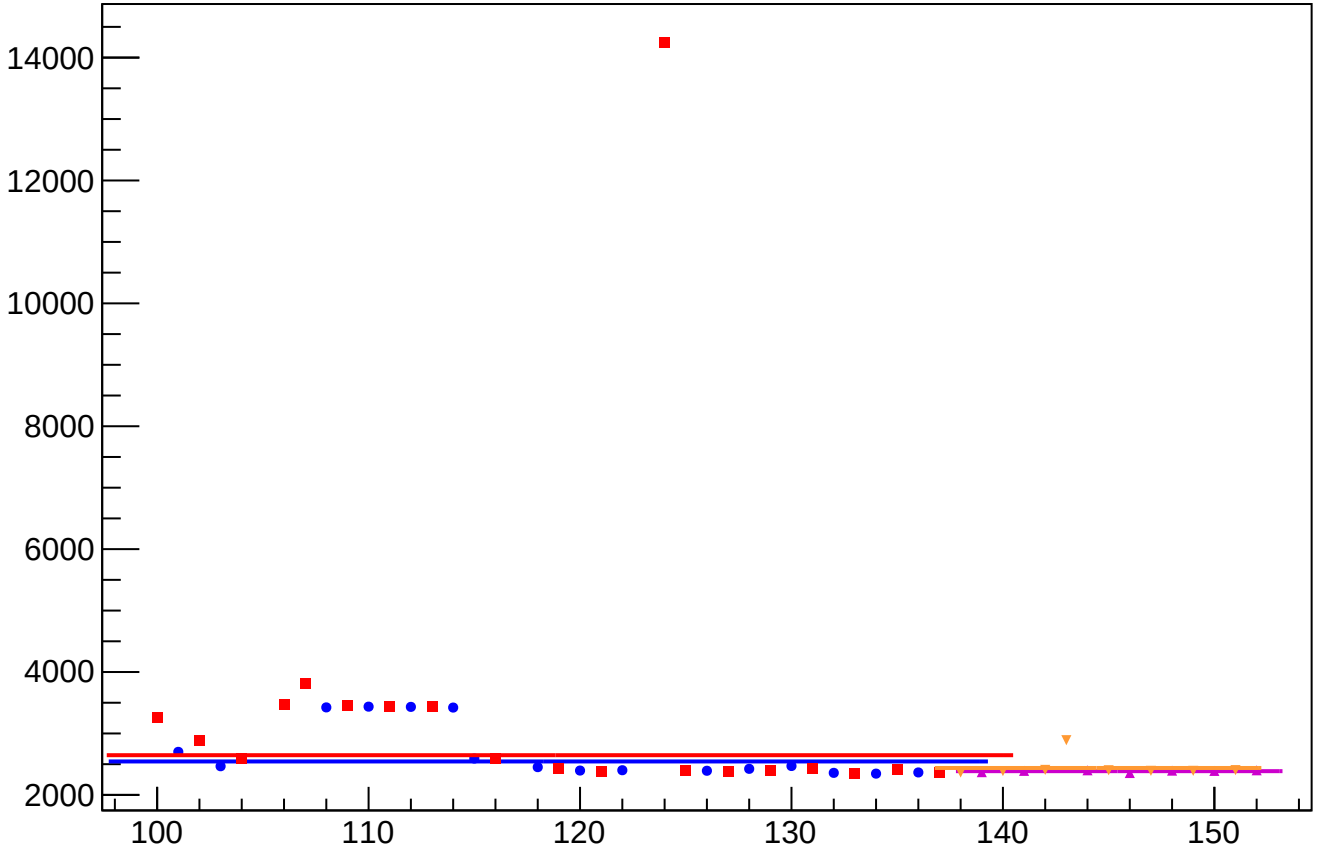
Left In: -2134.989+/-963.147 χ^2/NDF:10.4/6

+ sign 1877.629+/-683.305 χ^2/NDF: 20.7/23

All: 74.410+/-485.096 χ^2/NDF: 67.2/49

- sign -1757.861+/-688.787 χ^2/NDF: 32.4/25

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2438.148+/-0.694 χ^2/NDF:44411.5/7

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

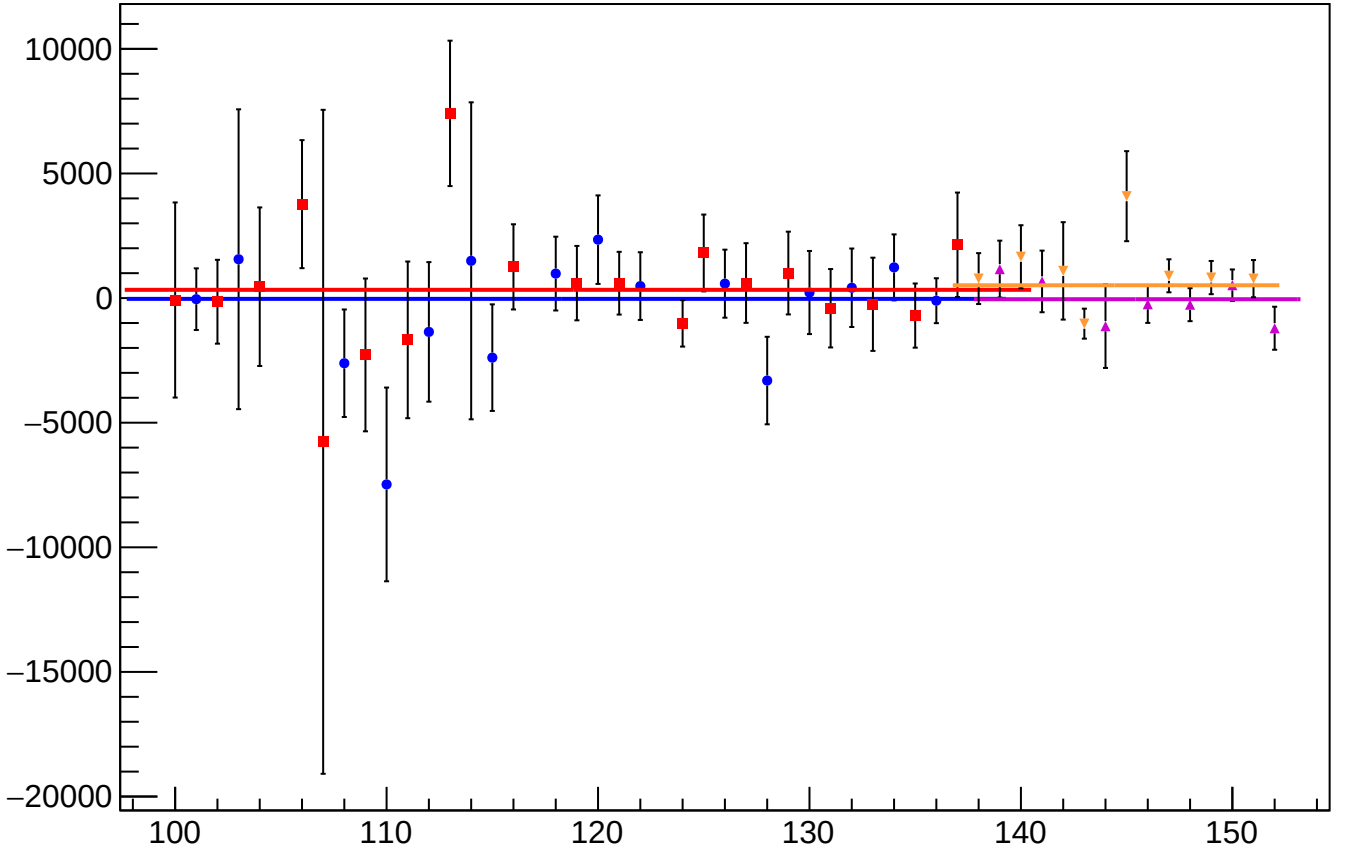
Left In: 2386.438+/-0.681 χ^2/NDF:531.2/6

+ sign 2492.833+/-0.483 χ^2/NDF: 282108.4/23

All: 2503.010+/-0.343 χ^2/NDF: 894158.7/49

- sign 2513.352+/-0.487 χ^2/NDF: 611155.8/25

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 514.395+/-298.252 χ^2/NDF:12.1/7

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

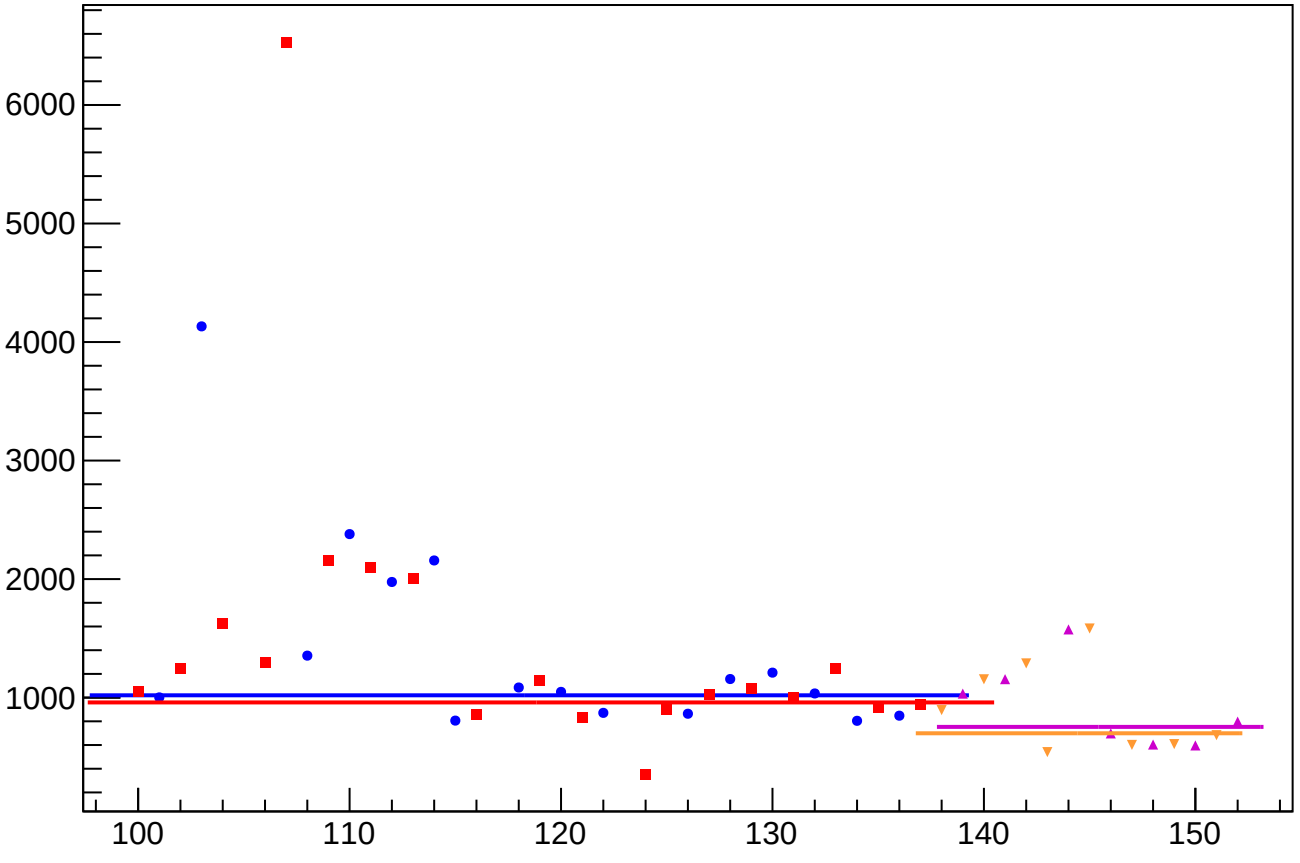
Left In: -45.261+/-321.243 χ^2/NDF:4.7/6

+ sign 322.974+/-240.308 χ^2/NDF: 27.1/23

All: 217.441+/-173.350 χ^2/NDF: 47.1/49

- sign 102.944+/-250.305 χ^2/NDF: 19.6/25

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 699.058+/-0.211 χ^2/NDF:1215708.0/7

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

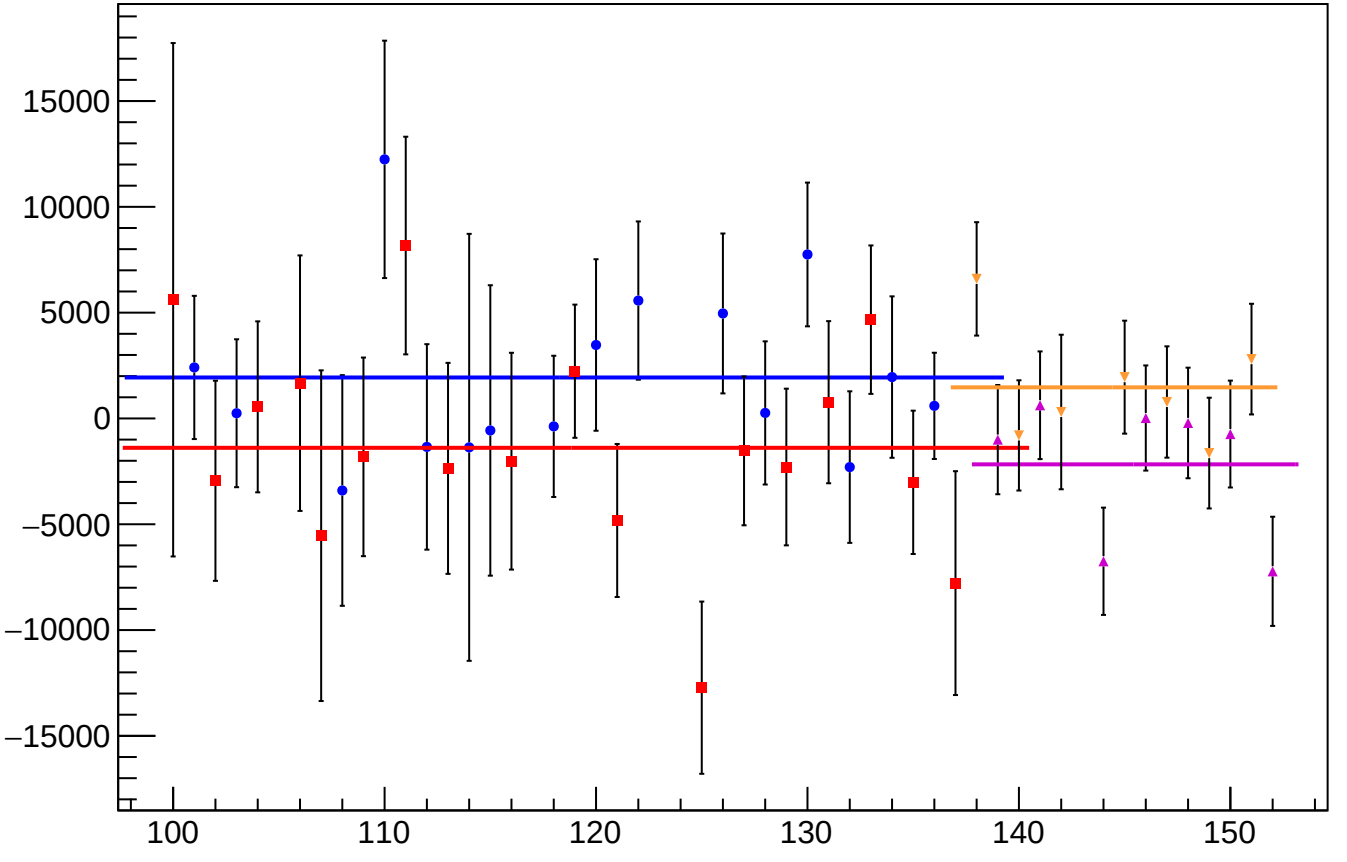
Left In: 753.013+/-0.227 χ^2/NDF:1054443.0/6

\+ sign 811.478+/-0.170 χ^2/NDF: 3390433.5/23

All: 822.317+/-0.123 χ^2/NDF: 7121953.9/49

\- sign 834.077+/-0.177 χ^2/NDF: 3723036.9/25

dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1470.441+/-1032.052 χ^2/NDF:6.3/6

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

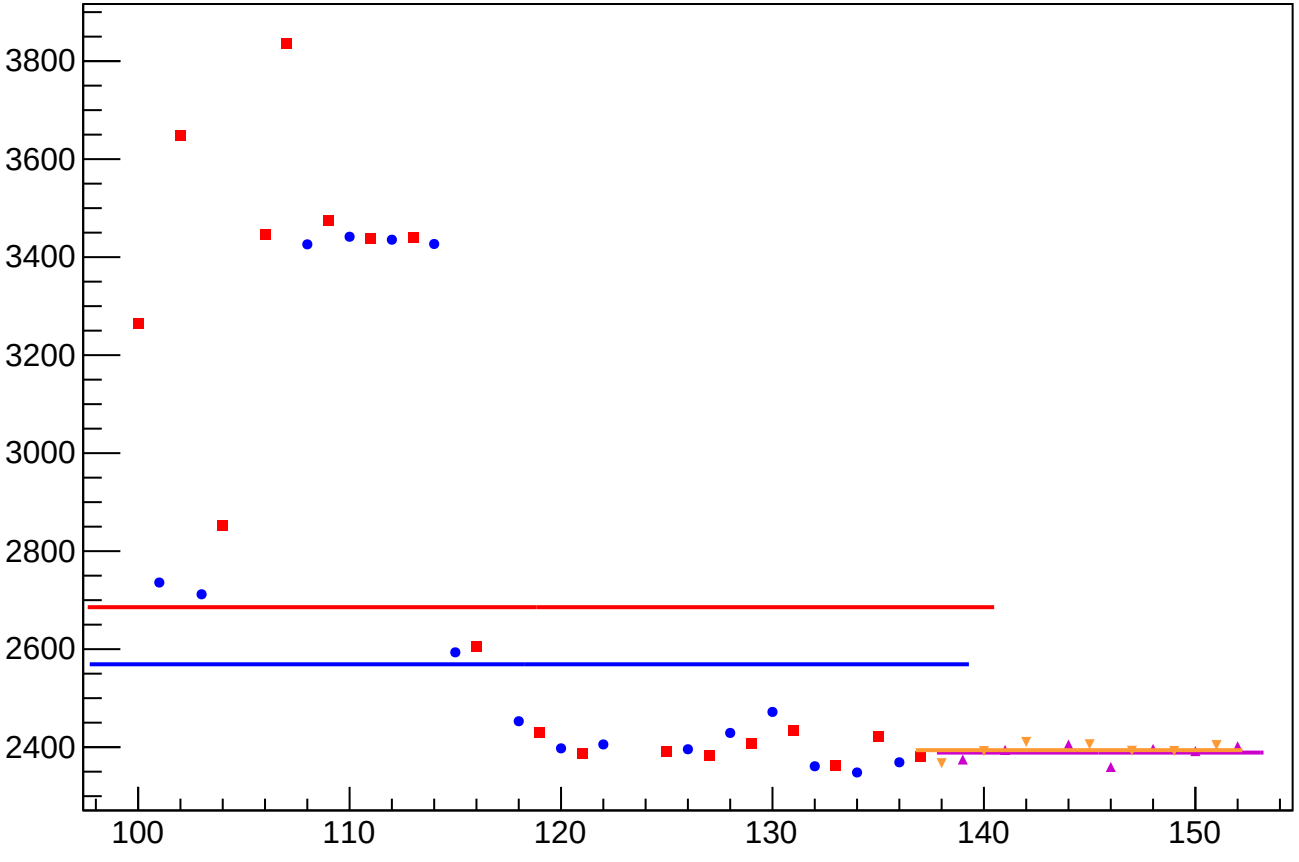
Left In: -2169.052+/-964.172 χ^2/NDF:10.2/6

+ sign 1719.474+/-703.826 χ^2/NDF: 18.8/22

All: -55.142+/-495.291 χ^2/NDF: 61.6/47

- sign -1796.086+/-697.116 χ^2/NDF: 30.2/24

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2393.903+/-0.730 χ^2/NDF:313.5/6

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

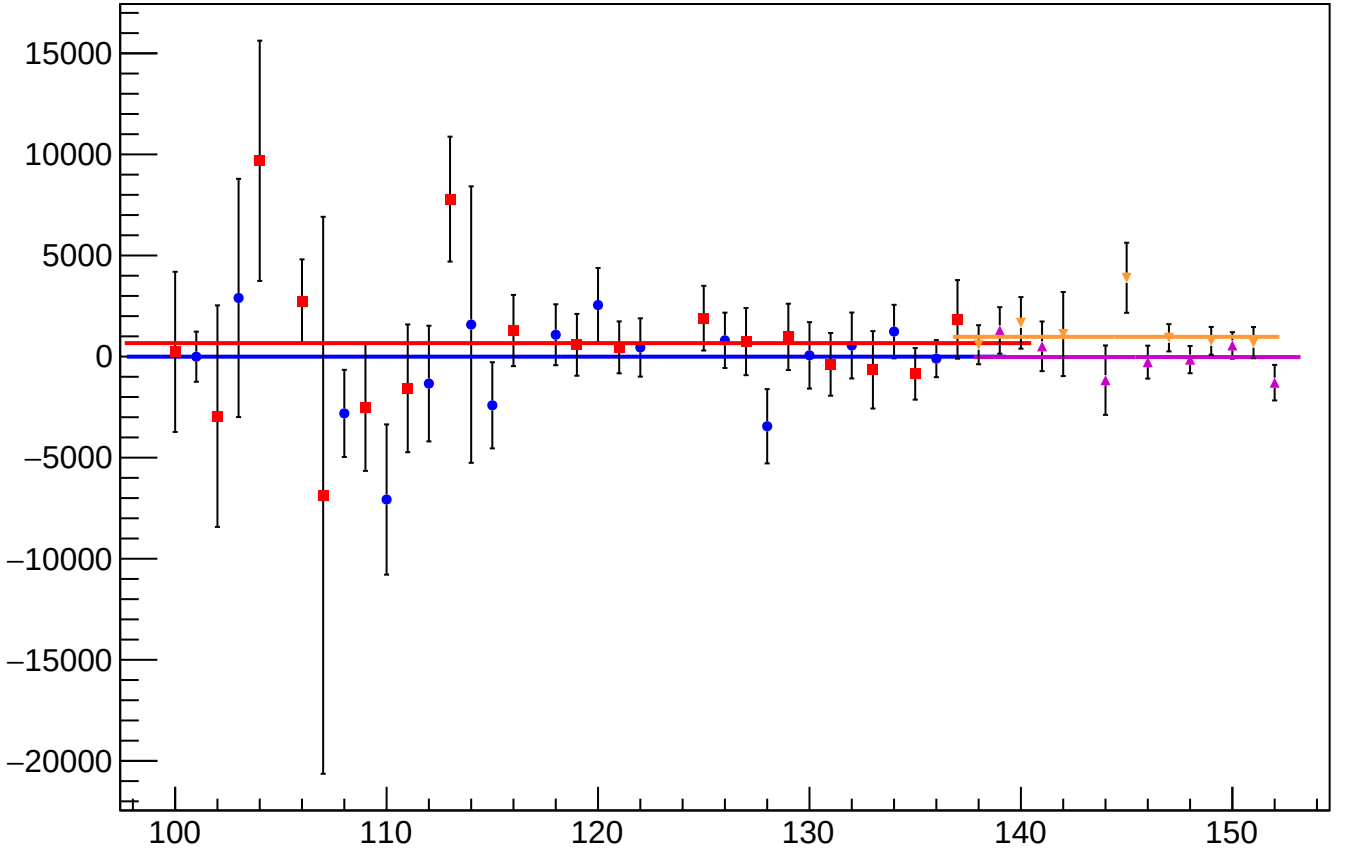
Left In: 2388.958+/-0.682 χ^2/NDF:500.3/6

+ sign 2487.636+/-0.498 χ^2/NDF: 260641.2/22

All: 2509.305+/-0.350 χ^2/NDF: 774556.6/47

- sign 2530.563+/-0.493 χ^2/NDF: 510159.8/24

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 977.437+/-348.281 χ^2/NDF:3.5/6

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

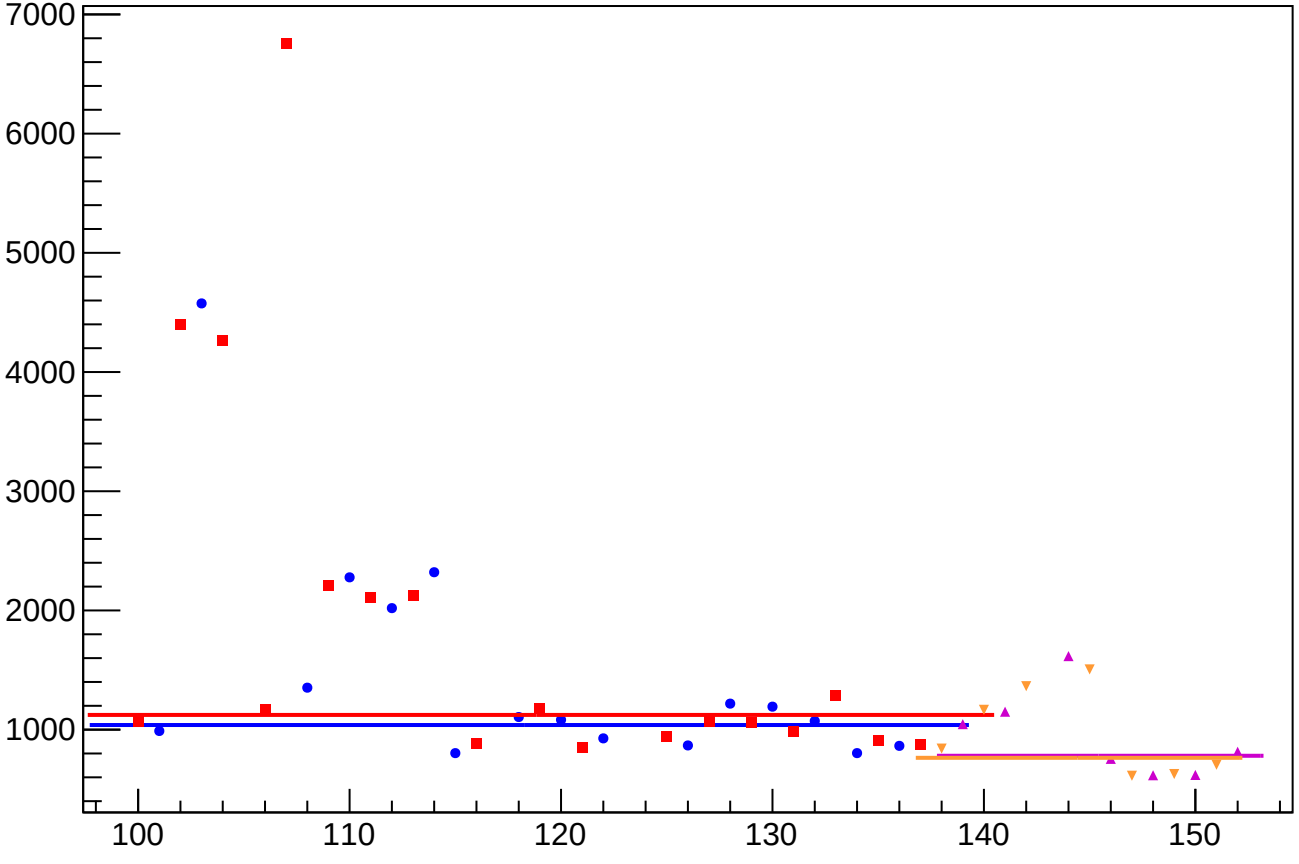
Left In: -23.656+/-331.729 χ^2/NDF:4.9/6

\+ sign 568.198+/-266.046 χ^2/NDF: 21.4/22

All: 392.143+/-189.216 χ^2/NDF: 43.0/47

\- sign 211.935+/-269.165 χ^2/NDF: 20.8/24

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 763.662+/-0.246 χ^2/NDF:934302.6/6

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

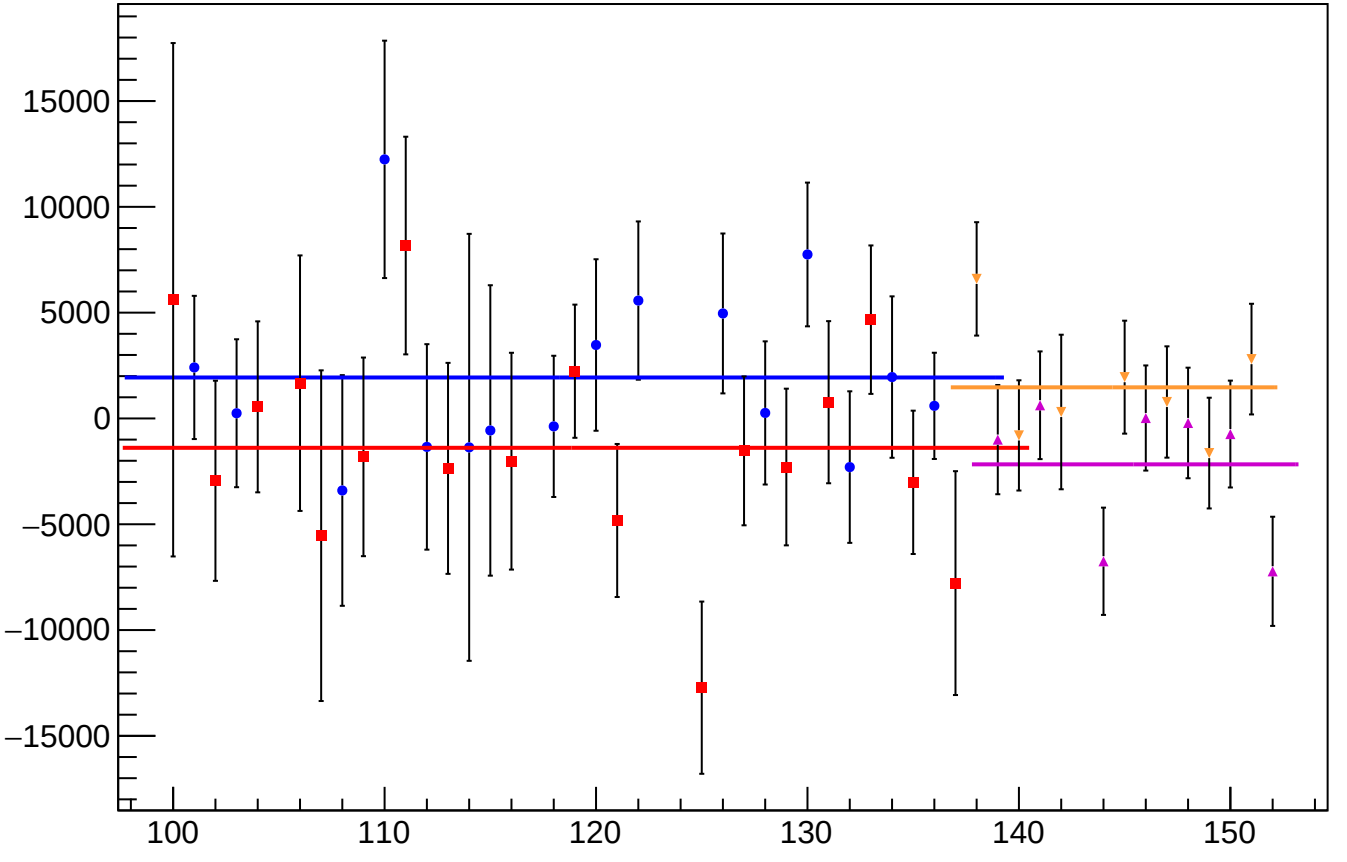
Left In: 780.857+/-0.235 χ^2/NDF:1004908.9/6

+ sign 878.254+/-0.188 χ^2/NDF: 2993881.4/22

All: 887.965+/-0.134 χ^2/NDF: 7268540.3/47

- sign 897.905+/-0.190 χ^2/NDF: 4269266.5/24

eigen_dit_asym_atl1_mean vs Slug



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1470.443+/-1032.052 χ^2/NDF:6.3/6

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

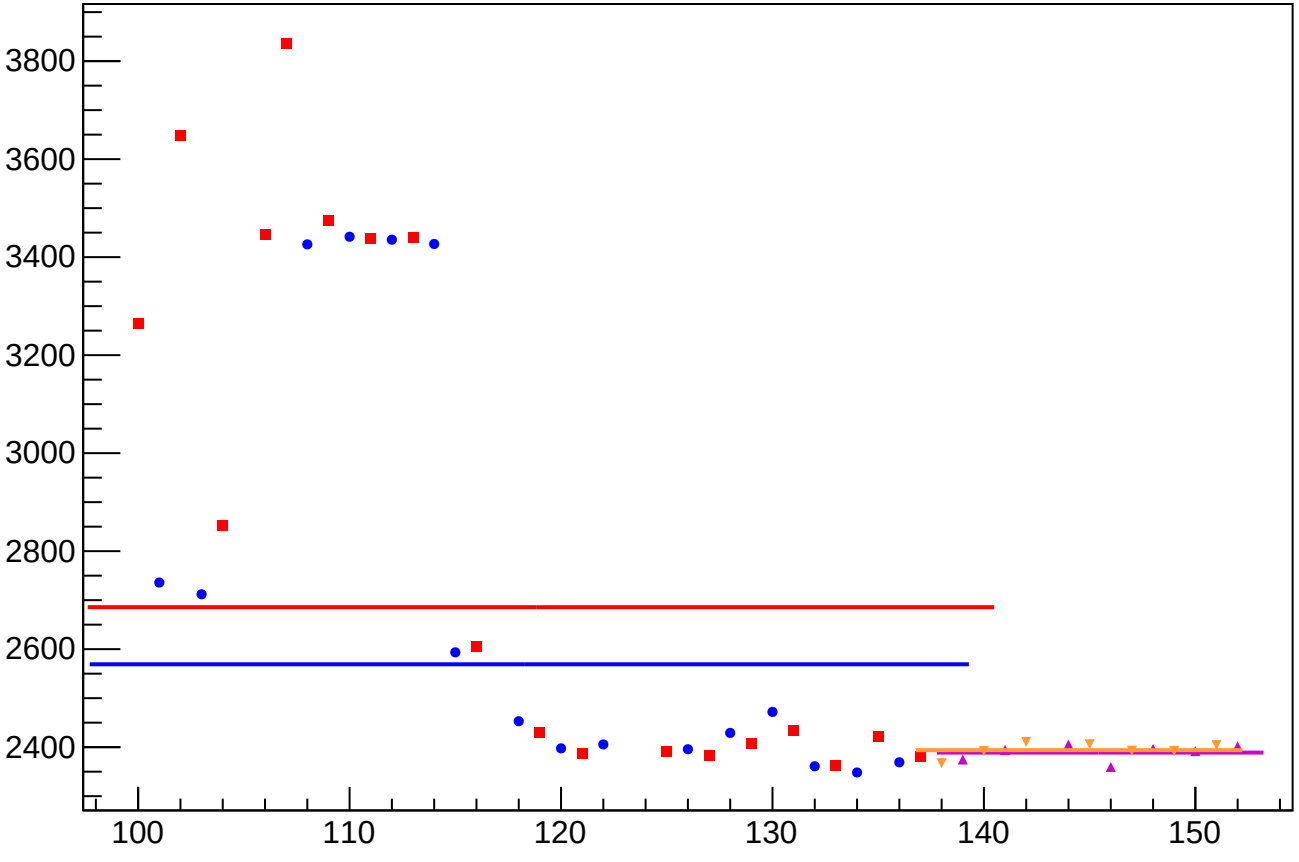
Left In: -2169.051+/-964.172 χ^2/NDF:10.2/6

+ sign 1719.473+/-703.826 χ^2/NDF: 18.8/22

All: -55.142+/-495.291 χ^2/NDF: 61.6/47

- sign -1796.084+/-697.116 χ^2/NDF: 30.2/24

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2393.903+/-0.730 χ^2/NDF:313.5/6

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

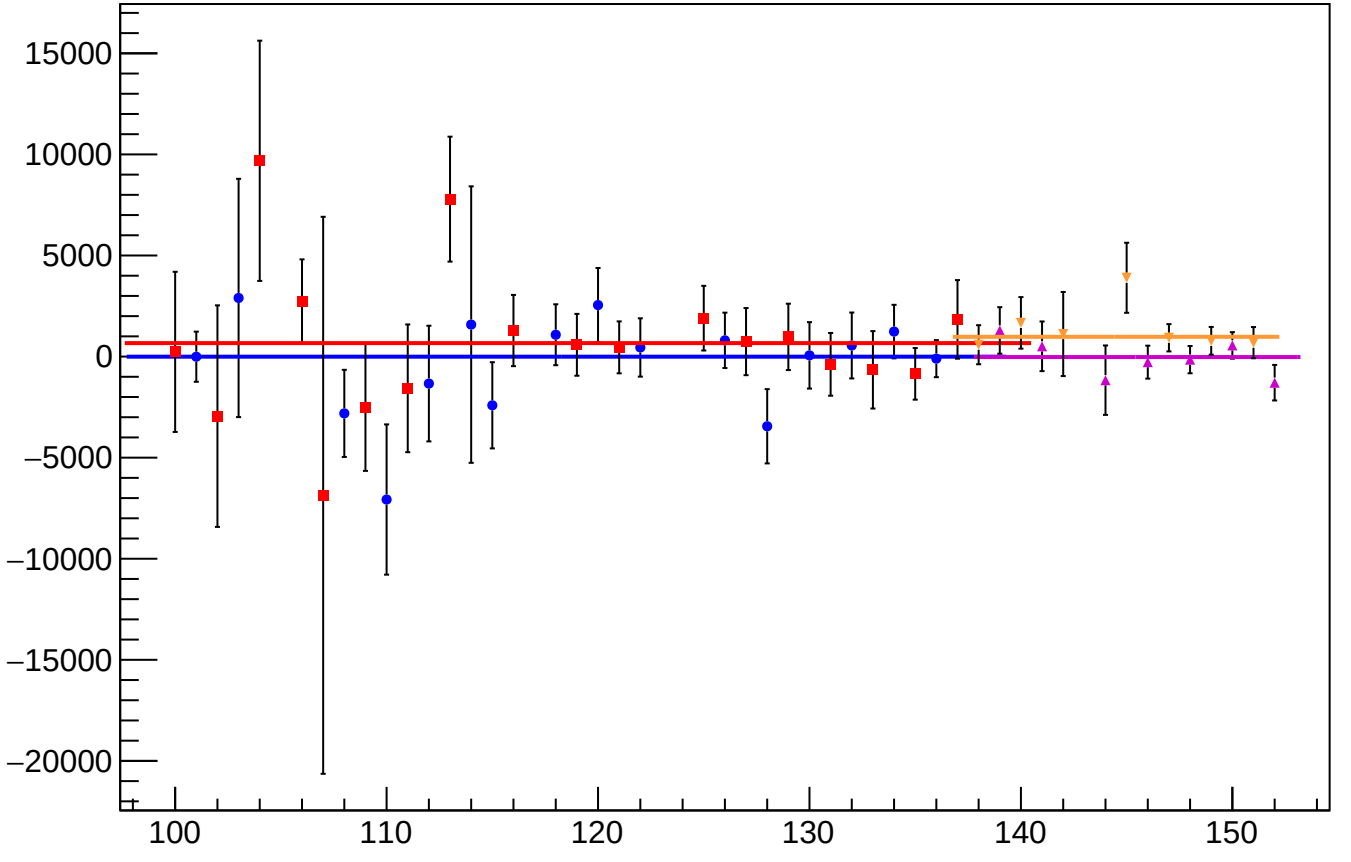
Left In: 2388.958+/-0.682 χ^2/NDF:500.3/6

+ sign 2487.635+/-0.498 χ^2/NDF: 260640.8/22

All: 2509.305+/-0.350 χ^2/NDF: 774555.4/47

- sign 2530.563+/-0.493 χ^2/NDF: 510159.0/24

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 977.437+/-348.282 χ^2/NDF:3.5/6

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

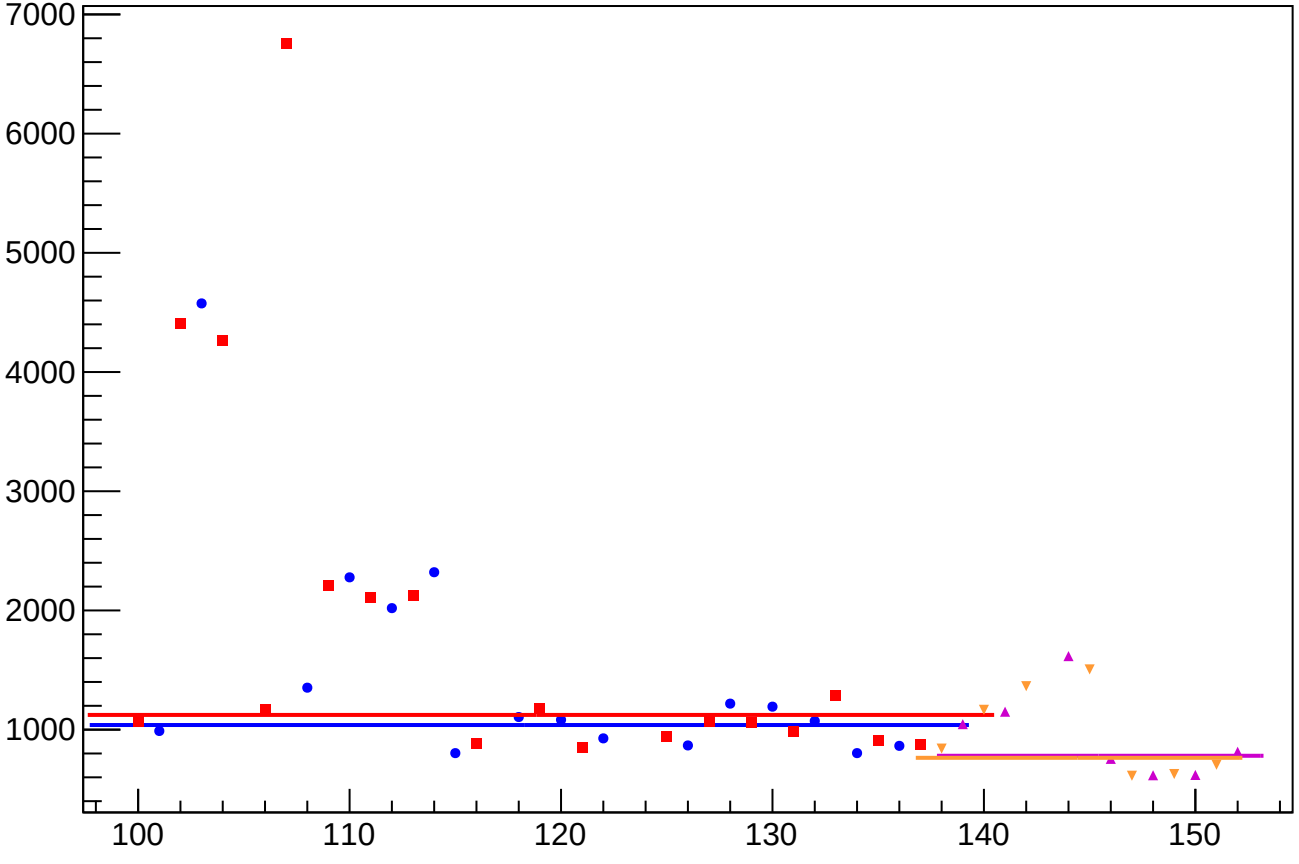
Left In: -23.656+/-331.730 χ^2/NDF:4.9/6

\+ sign 568.197+/-266.046 χ^2/NDF: 21.4/22

All: 392.142+/-189.216 χ^2/NDF: 43.0/47

\- sign 211.935+/-269.166 χ^2/NDF: 20.8/24

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 763.663+/-0.246 χ^2/NDF:934300.0/6

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

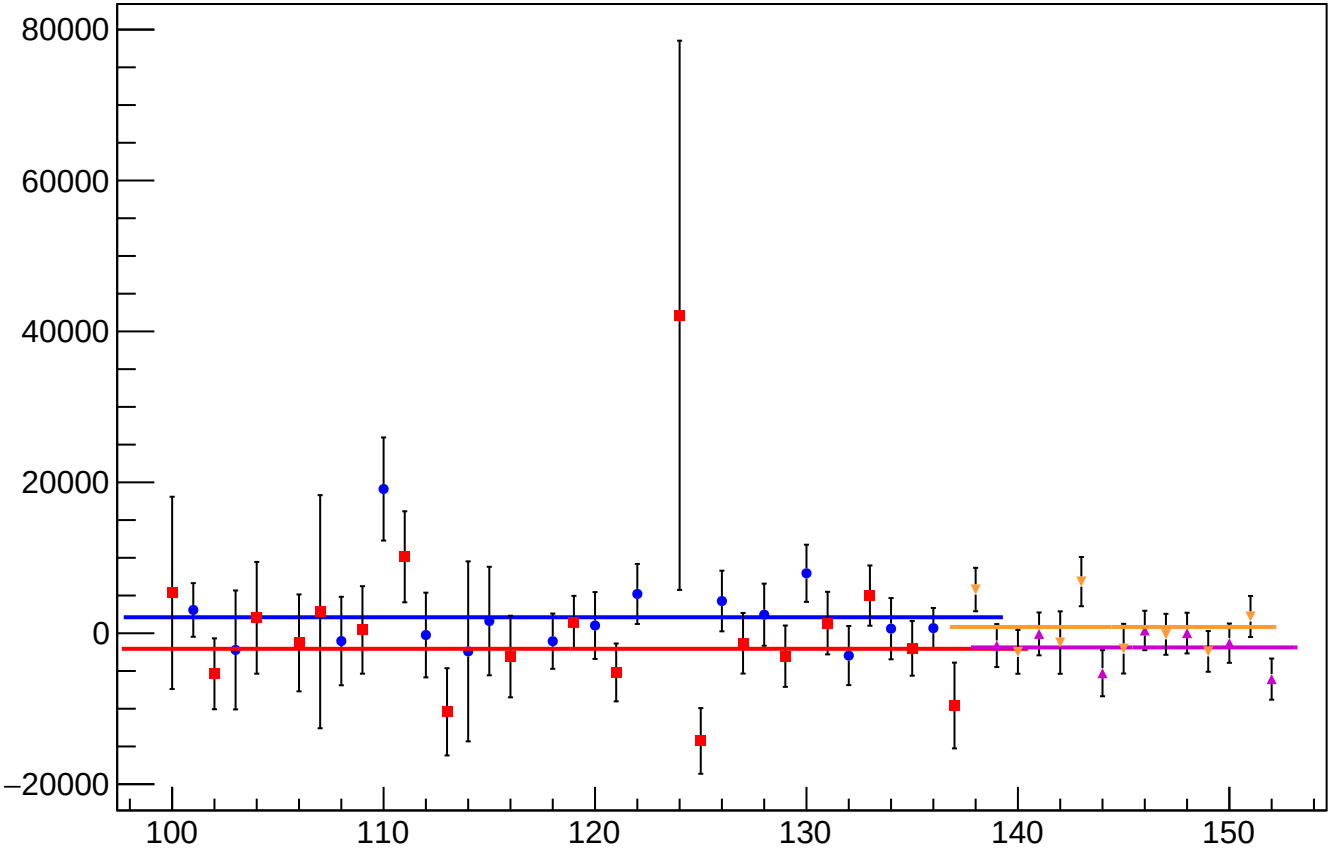
Left In: 780.858+/-0.235 χ^2/NDF:1004906.3/6

+ sign 878.255+/-0.188 χ^2/NDF: 2993870.0/22

All: 887.966+/-0.134 χ^2/NDF: 7268518.3/47

- sign 897.906+/-0.190 χ^2/NDF: 4269255.9/24

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 834.038+/-1058.493 χ^2/NDF:10.5/7

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

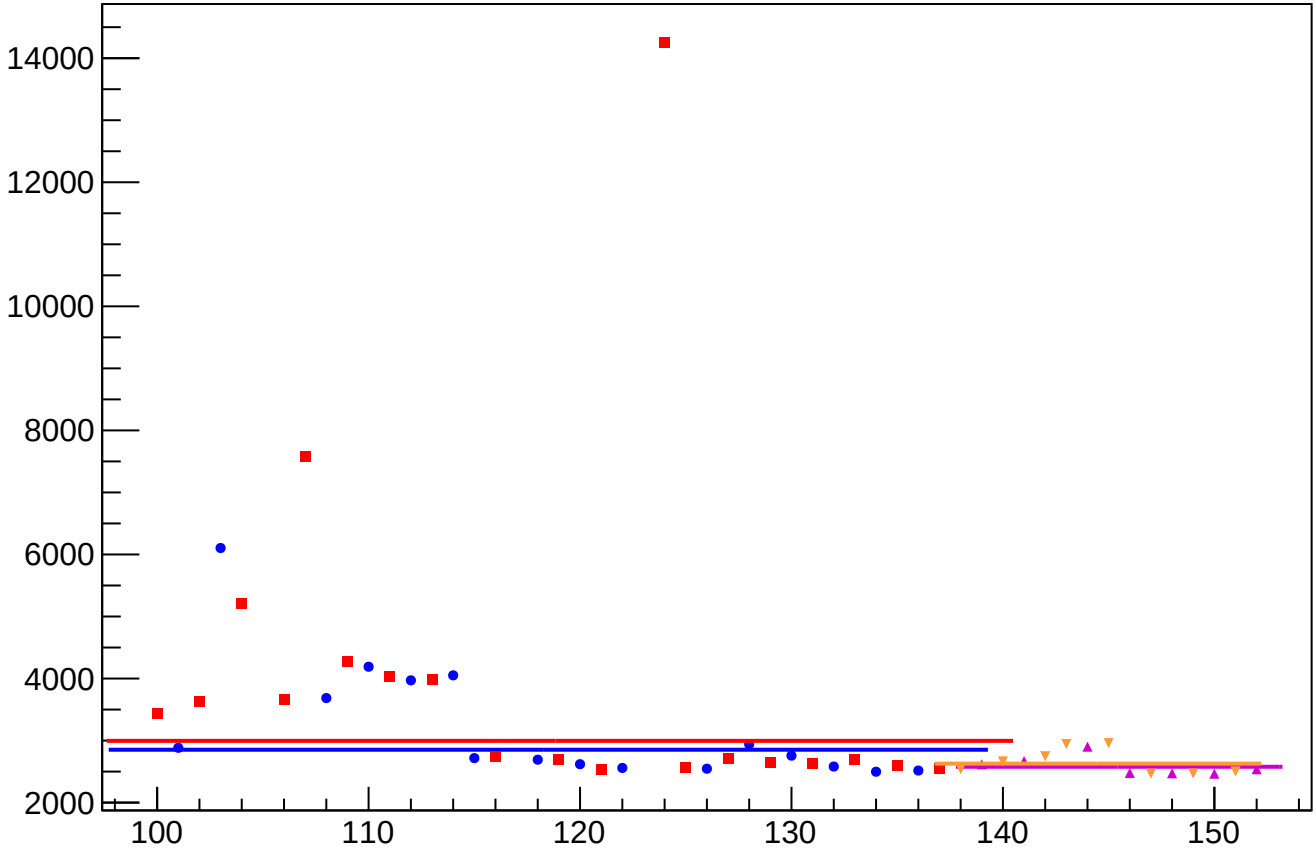
Left In: -1878.064+/-1042.274 χ^2/NDF:5.3/6

+ sign 1462.268+/-757.563 χ^2/NDF: 24.6/23

All: -225.409+/-539.416 χ^2/NDF: 64.3/49

- sign -1961.036+/-768.249 χ^2/NDF: 29.6/25

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2628.443+/-0.748 χ^2/NDF:60969.5/7

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

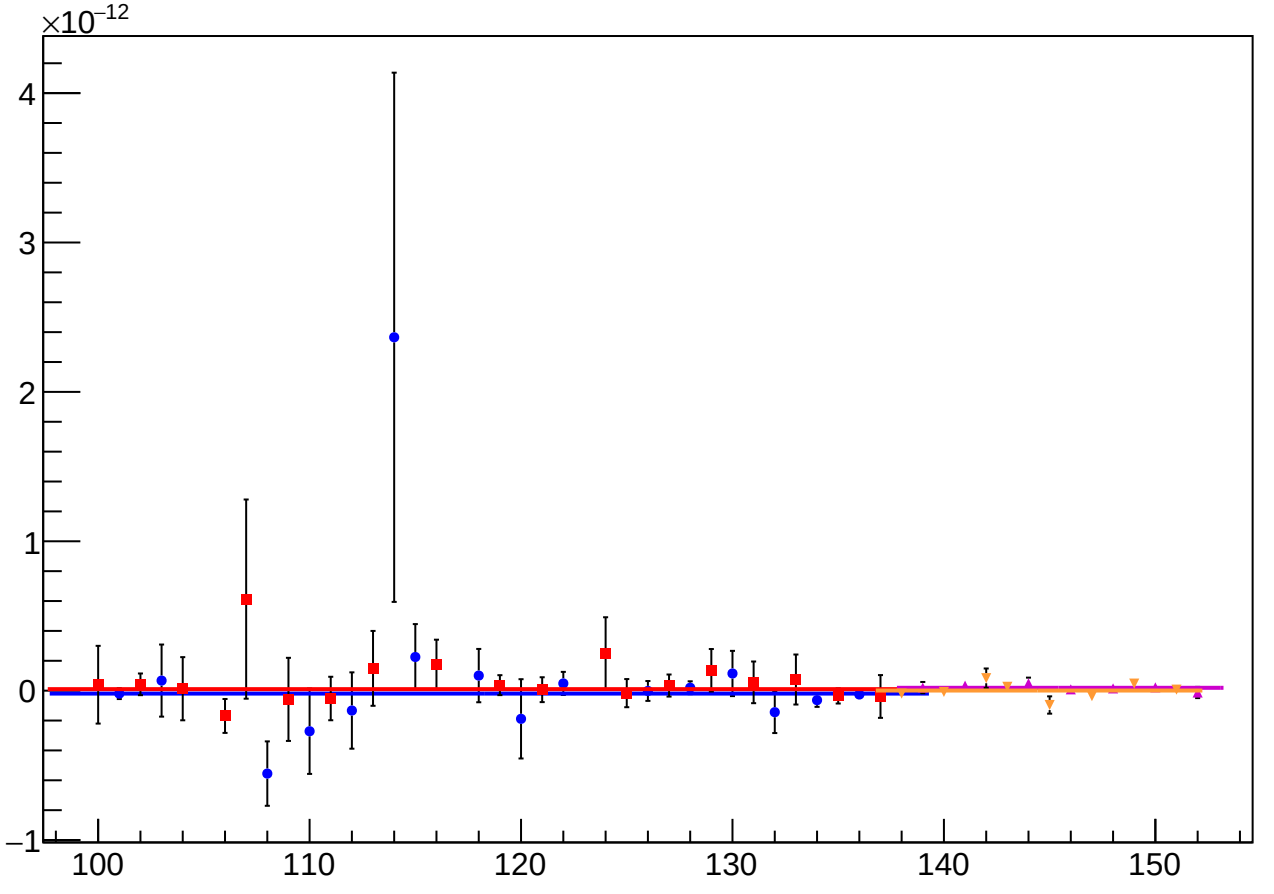
Left In: 2577.855+/-0.737 χ^2/NDF:34951.6/6

+ sign 2737.589+/-0.536 χ^2/NDF: 753280.9/23

All: 2752.879+/-0.381 χ^2/NDF: 1915731.8/49

- sign 2768.605+/-0.543 χ^2/NDF: 1160798.1/25

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:12.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

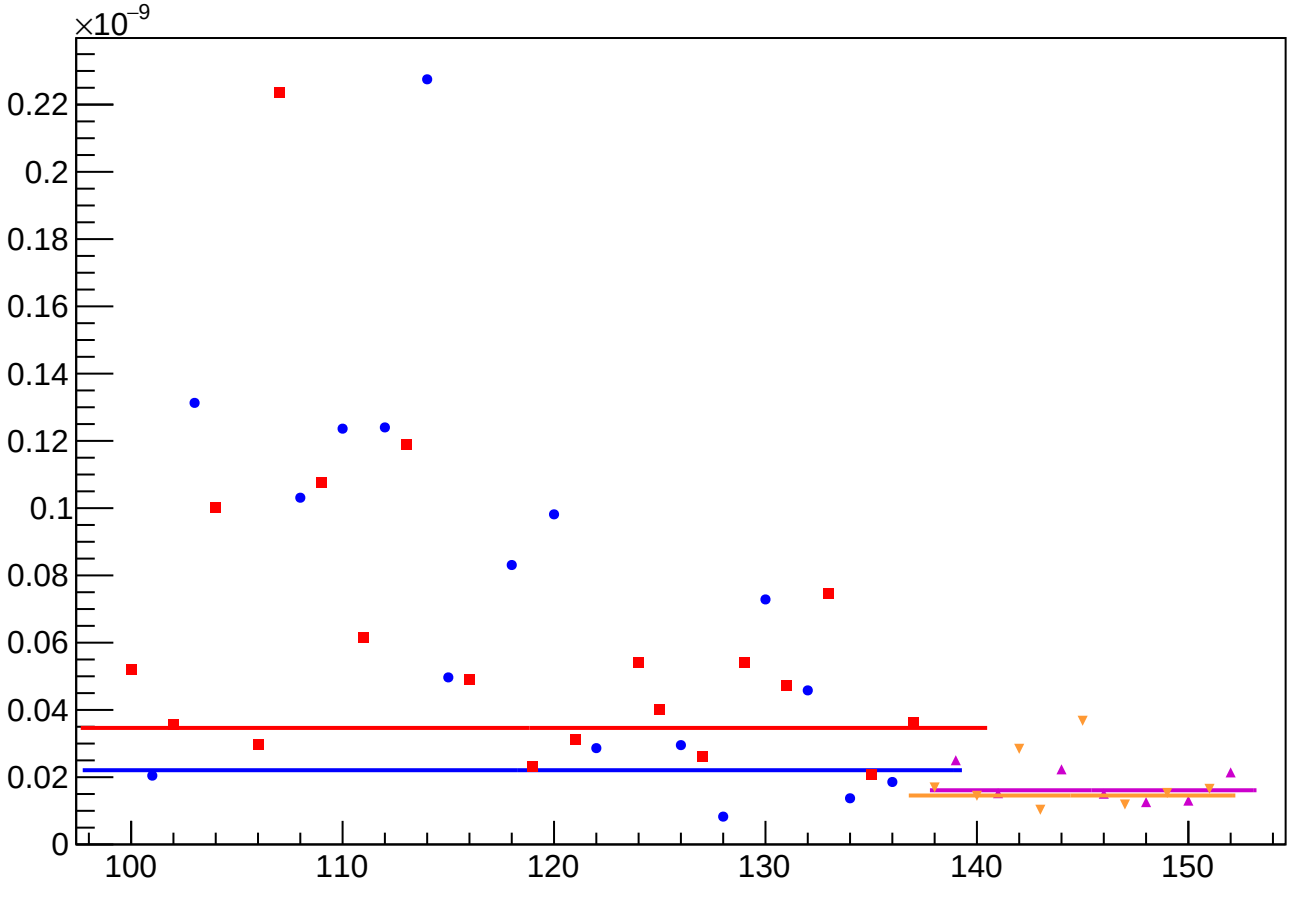
Left In: 0.000+/-0.000 χ^2/NDF:1.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/23

All: 0.000+/-0.000 χ^2/NDF: 41.8/49

- sign 0.000+/-0.000 χ^2/NDF: 10.2/25

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:538724.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

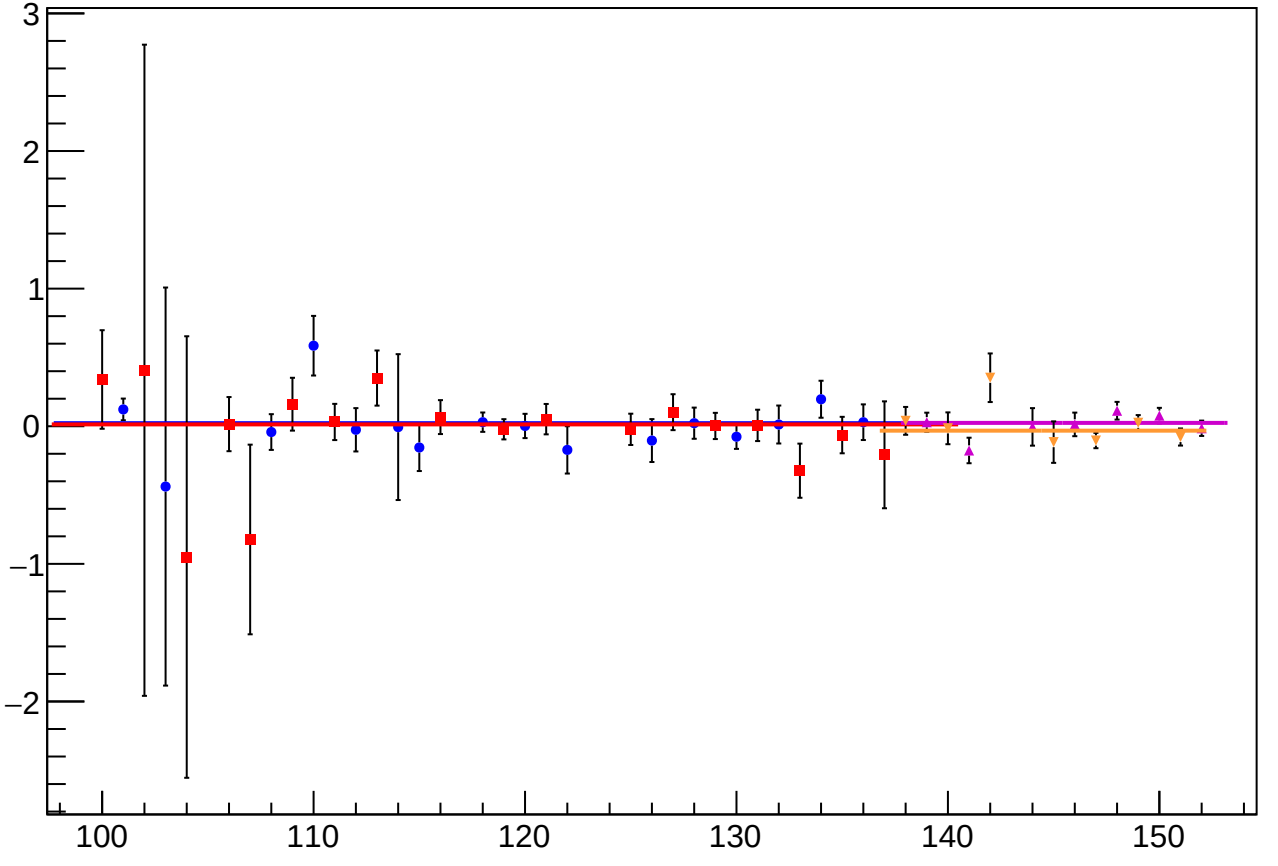
Left In: 0.000+/-0.000 χ^2/NDF:291205.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 3175198.5/23

All: 0.000+/-0.000 χ^2/NDF: 5762286.5/49

- sign 0.000+/-0.000 χ^2/NDF: 2489637.1/25

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.032+/-0.029 χ^2/NDF:8.8/6

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

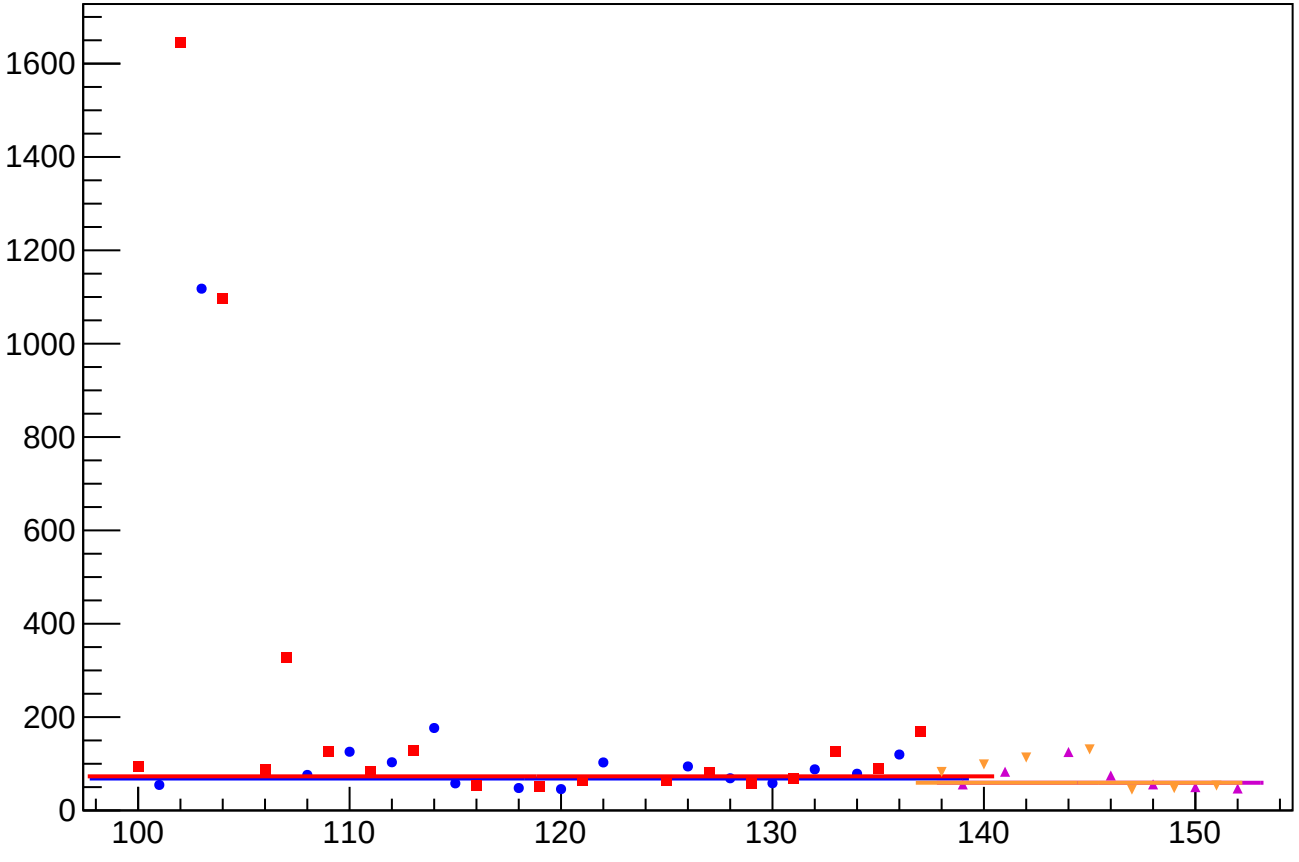
Left In: 0.024+/-0.027 χ^2/NDF:8.0/6

+ sign -0.006+/-0.021 χ^2/NDF: 25.3/22

All: 0.007+/-0.015 χ^2/NDF: 44.9/47

- sign 0.020+/-0.021 χ^2/NDF: 18.9/24

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 59.404+/-0.021 χ^2/NDF:1216099.0/6

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

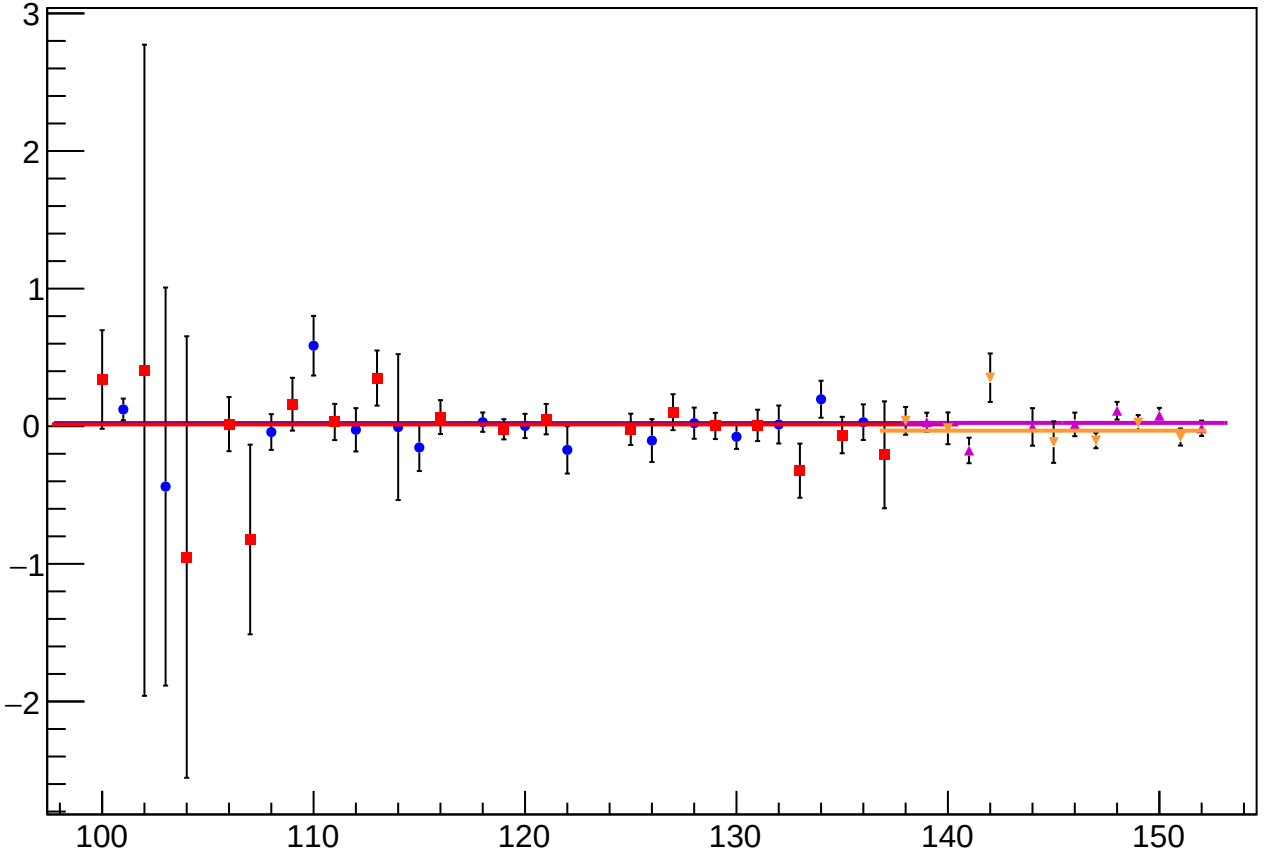
Left In: 59.328+/-0.019 χ^2/NDF:825460.6/6

+ sign 63.817+/-0.015 χ^2/NDF: 3585775.9/22

All: 64.261+/-0.011 χ^2/NDF: 7531515.5/47

- sign 64.699+/-0.015 χ^2/NDF: 3943977.4/24

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.032+/-0.029 χ^2/NDF:8.8/6

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

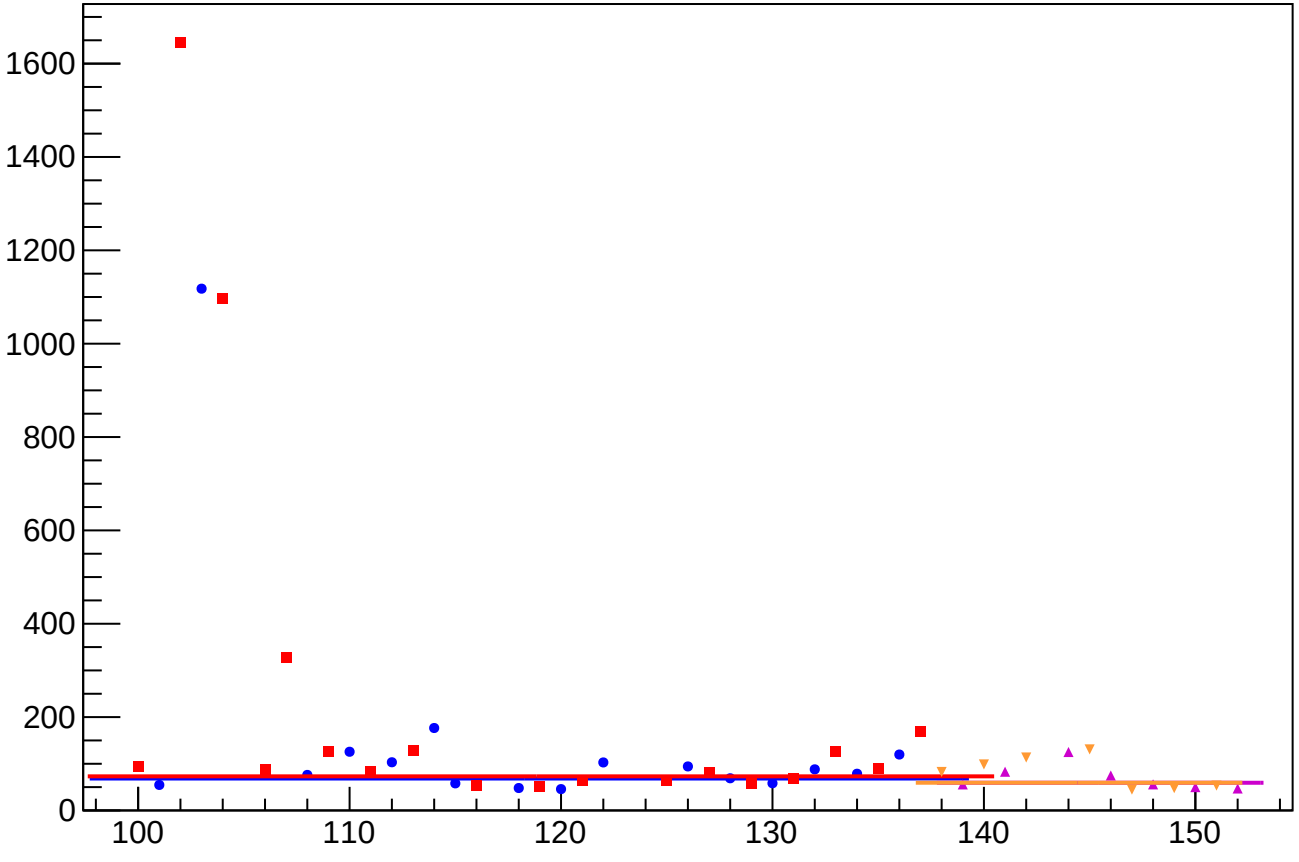
Left In: 0.024+/-0.027 χ^2/NDF:8.0/6

+ sign -0.006+/-0.021 χ^2/NDF: 25.3/22

All: 0.007+/-0.015 χ^2/NDF: 44.9/47

- sign 0.020+/-0.021 χ^2/NDF: 18.9/24

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 59.404+/-0.021 χ^2/NDF:1216099.0/6

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

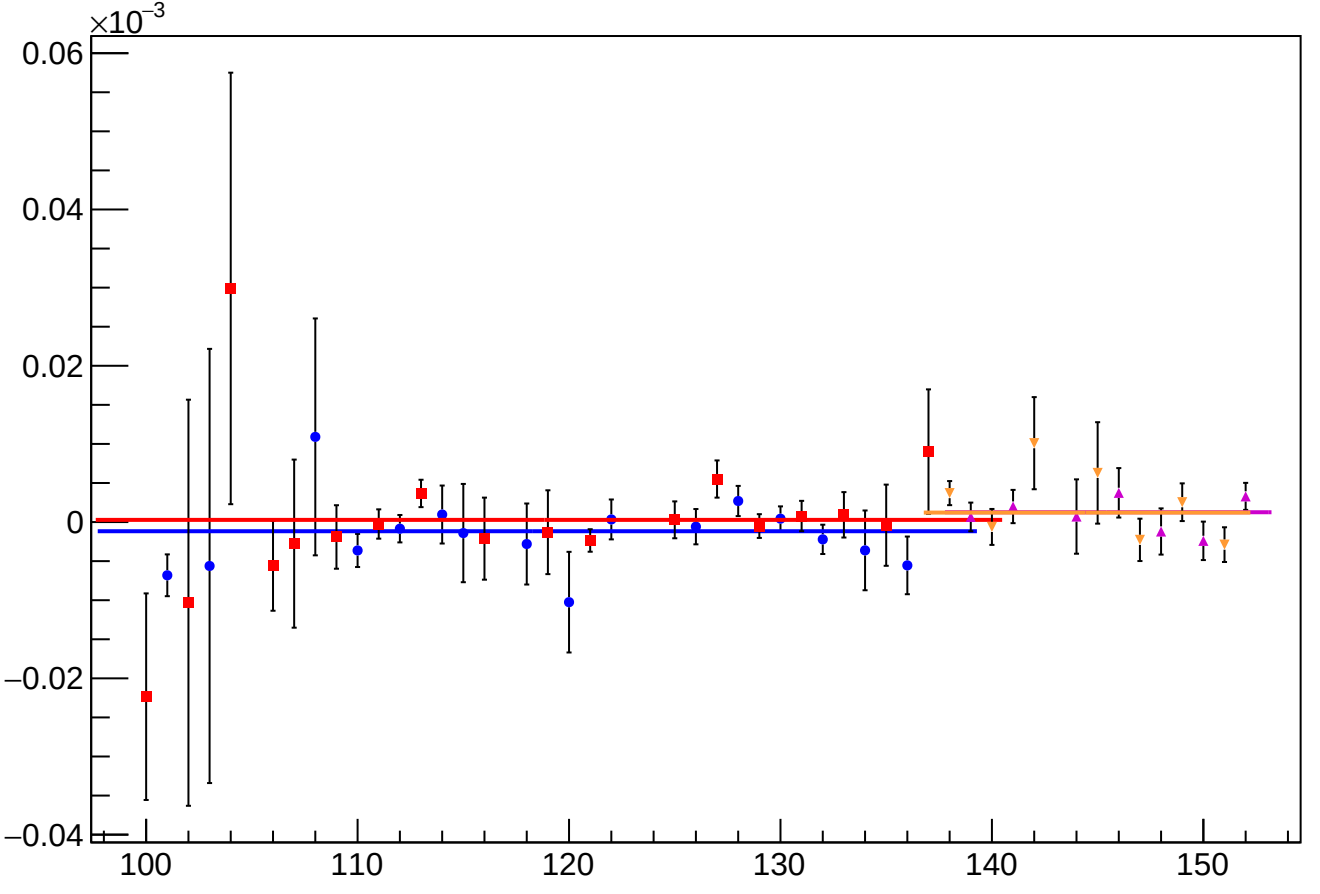
Left In: 59.328+/-0.019 χ^2/NDF:825460.6/6

+ sign 63.817+/-0.015 χ^2/NDF: 3585775.9/22

All: 64.261+/-0.011 χ^2/NDF: 7531515.5/47

- sign 64.699+/-0.015 χ^2/NDF: 3943977.4/24

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:11.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

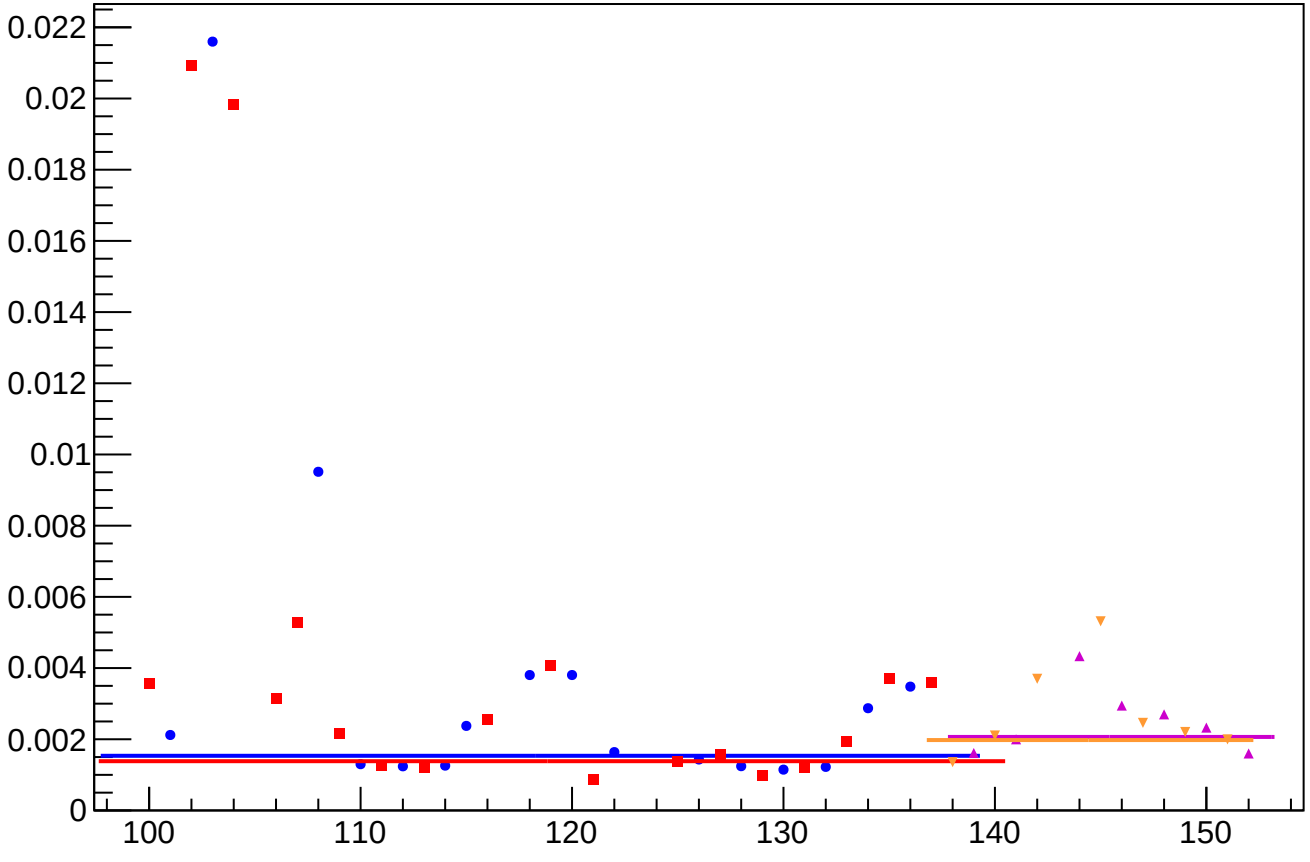
Left In: 0.000+/-0.000 χ^2/NDF:5.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 32.2/22

All: 0.000+/-0.000 χ^2/NDF: 59.4/47

- sign 0.000+/-0.000 χ^2/NDF: 25.5/24

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:1111213.7/6

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

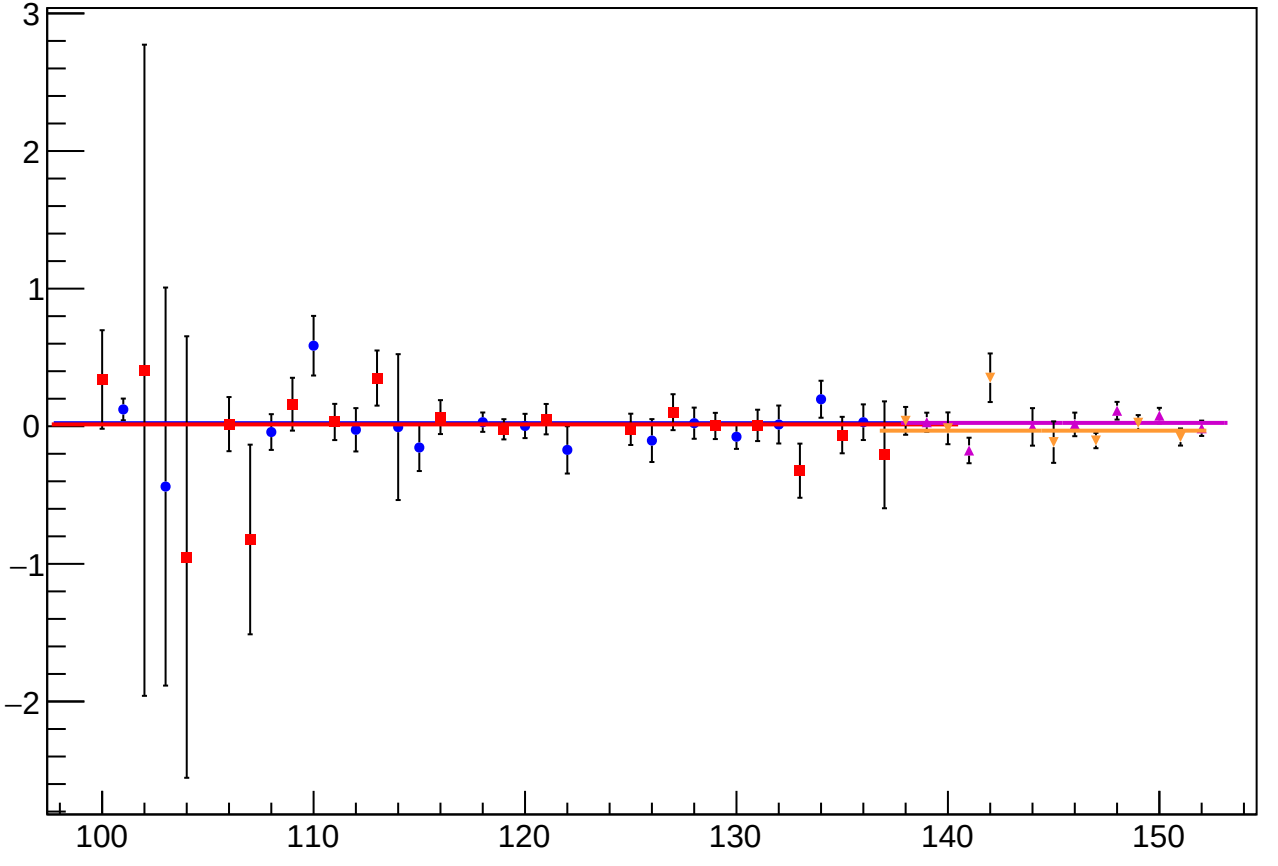
Left In: 0.002+/-0.000 χ^2/NDF:992436.1/6

+ sign 0.002+/-0.000 χ^2/NDF: 4786994.6/22

All: 0.002+/-0.000 χ^2/NDF: 10851697.3/47

- sign 0.002+/-0.000 χ^2/NDF: 6045993.5/24

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.032+/-0.029 χ^2/NDF:8.8/6

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

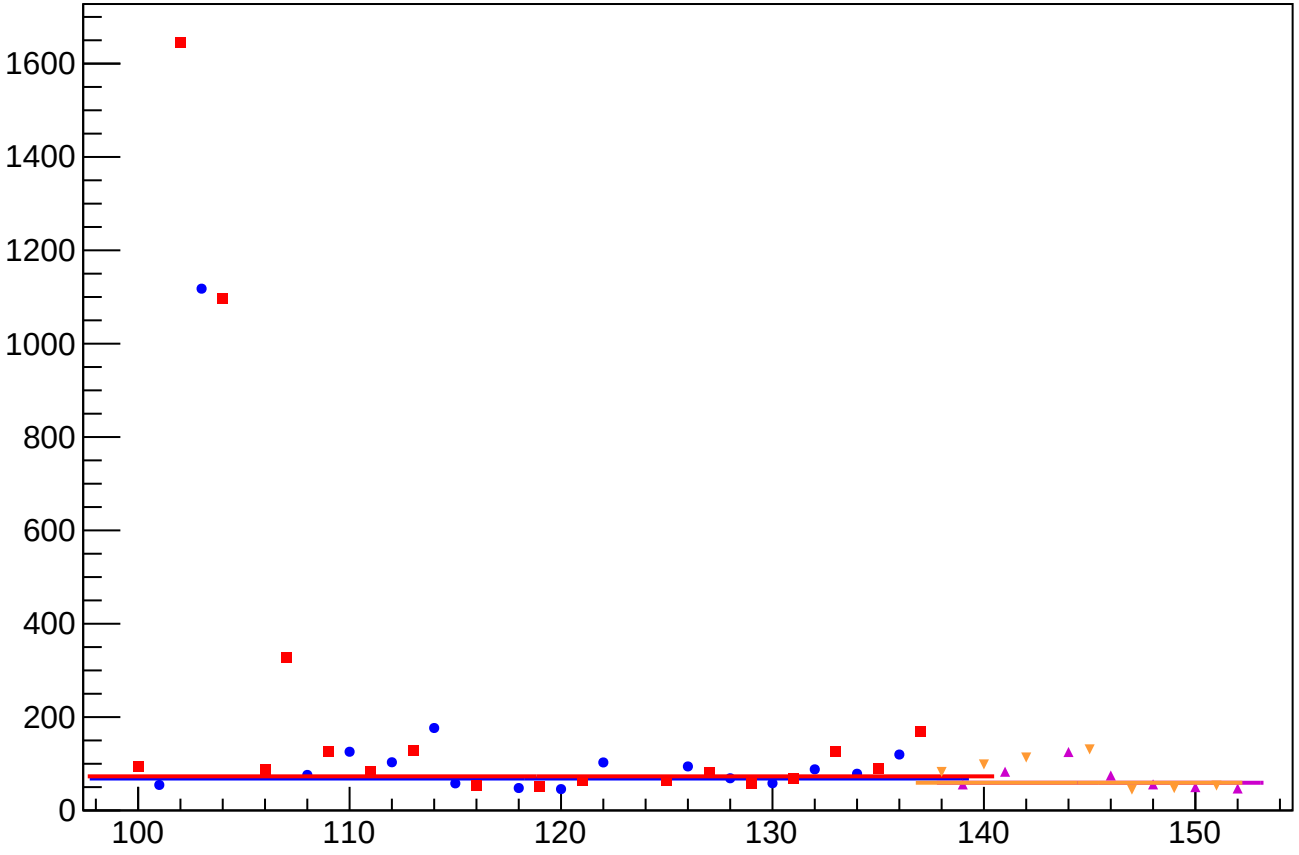
Left In: 0.024+/-0.027 χ^2/NDF:8.0/6

+ sign -0.006+/-0.021 χ^2/NDF: 25.3/22

All: 0.007+/-0.015 χ^2/NDF: 44.9/47

- sign 0.020+/-0.021 χ^2/NDF: 18.9/24

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 59.405+/-0.021 χ^2/NDF:1216019.2/6

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

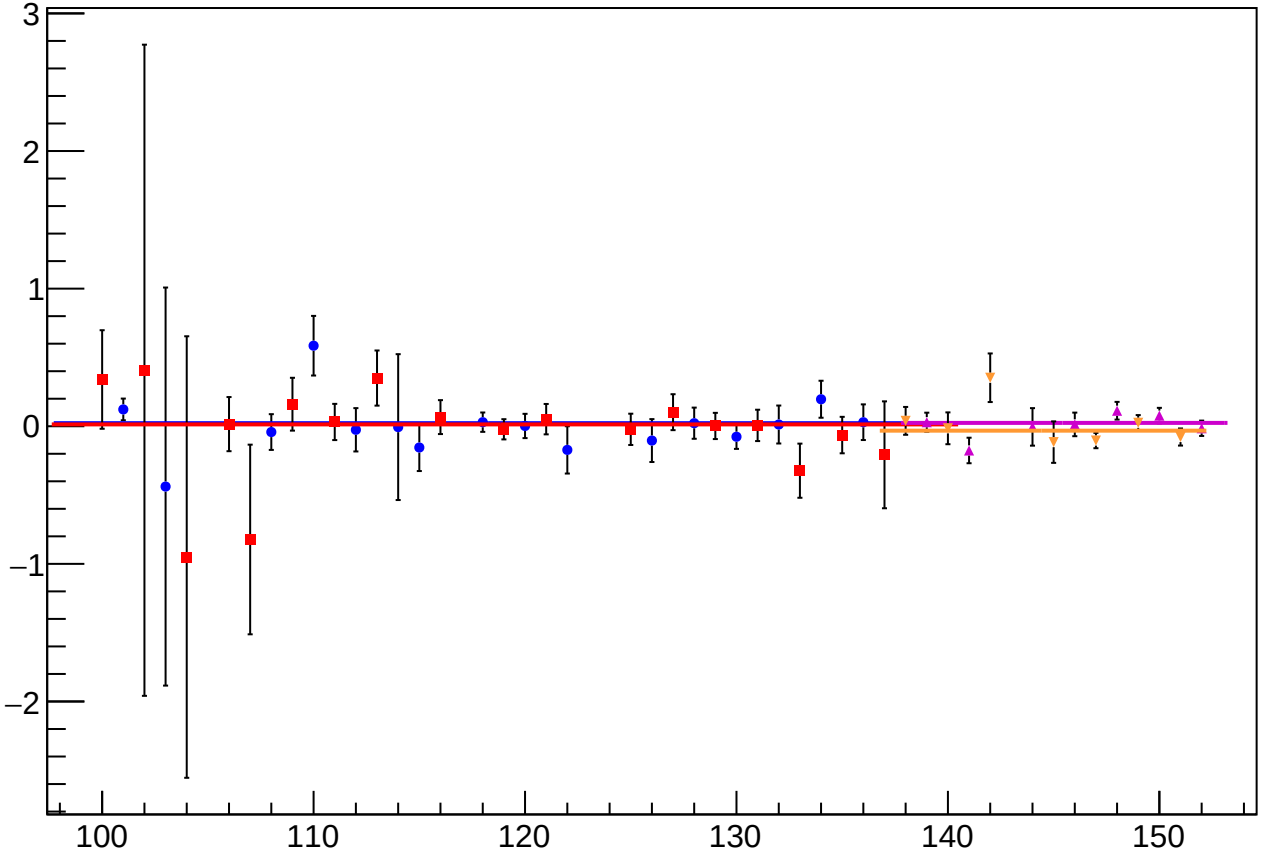
Left In: 59.328+/-0.019 χ^2/NDF:825456.3/6

+ sign 63.817+/-0.015 χ^2/NDF: 3585737.7/22

All: 64.261+/-0.011 χ^2/NDF: 7531469.7/47

- sign 64.698+/-0.015 χ^2/NDF: 3943971.2/24

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: -0.032+/-0.029 χ^2/NDF:8.8/6

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

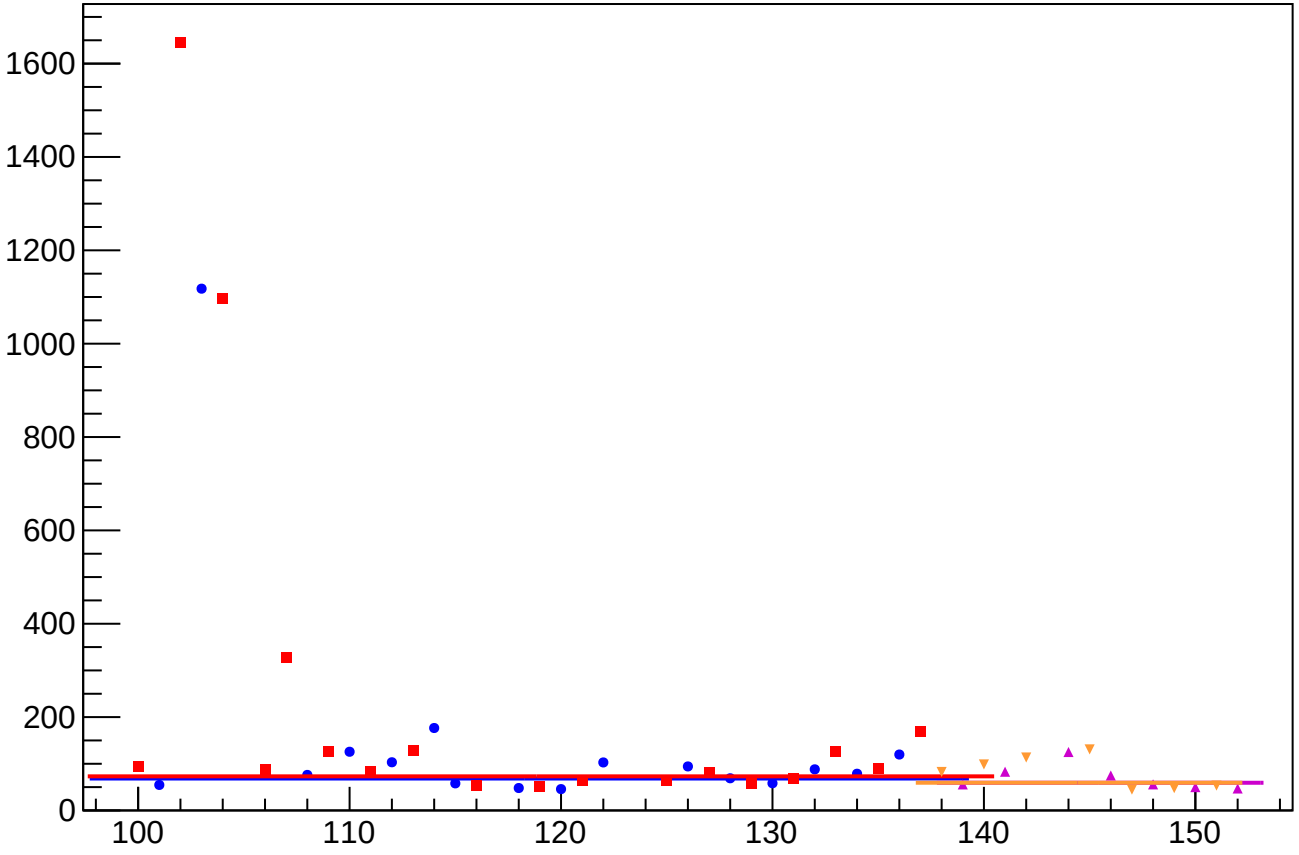
Left In: 0.024+/-0.027 χ^2/NDF:8.0/6

+ sign -0.006+/-0.021 χ^2/NDF: 25.3/22

All: 0.007+/-0.015 χ^2/NDF: 44.9/47

- sign 0.020+/-0.021 χ^2/NDF: 18.9/24

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: 59.405+/-0.021 χ^2/NDF:1216019.2/6

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

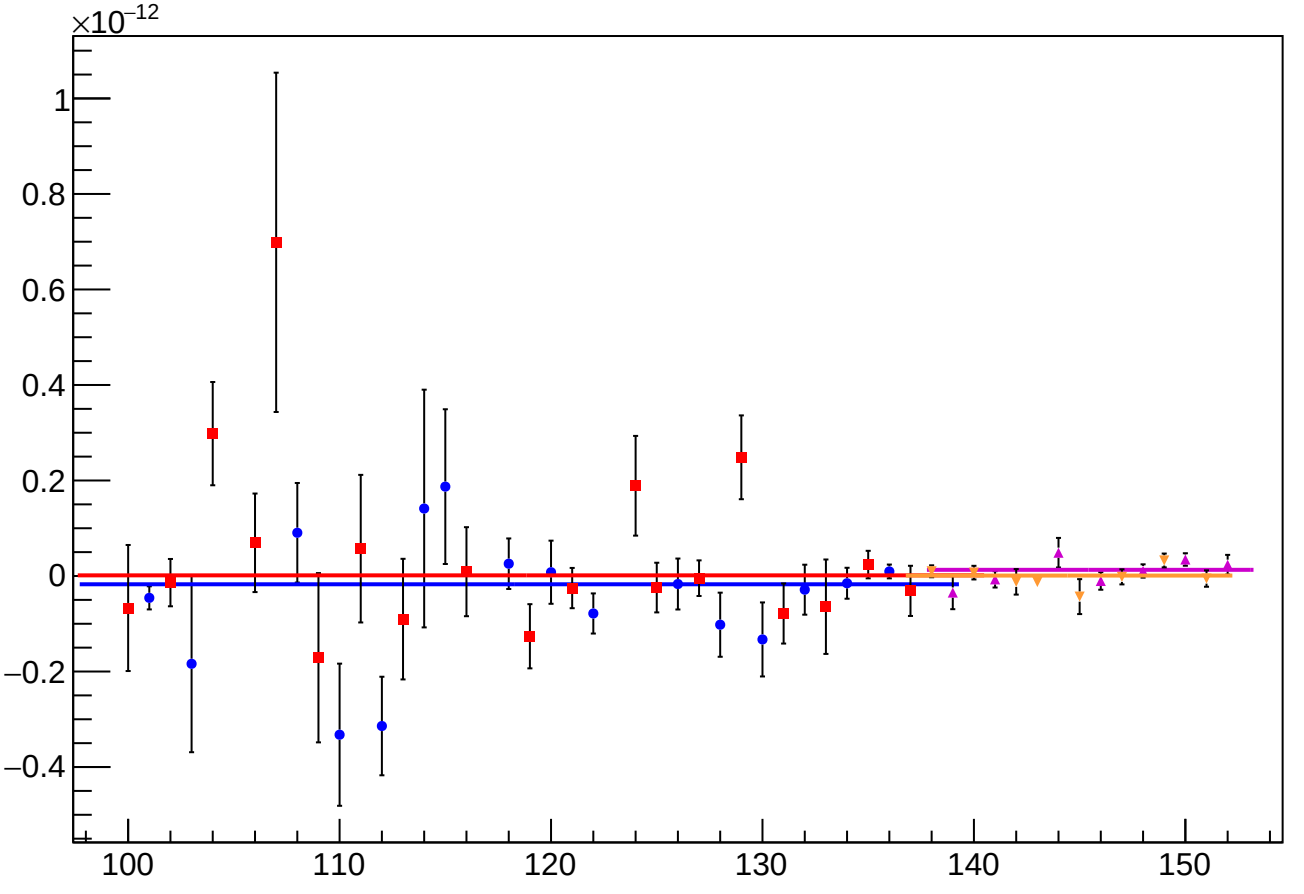
Left In: 59.328+/-0.019 χ^2/NDF:825456.3/6

\+ sign 63.817+/-0.015 χ^2/NDF: 3585737.7/22

All: 64.261+/-0.011 χ^2/NDF: 7531469.7/47

\- sign 64.698+/-0.015 χ^2/NDF: 3943971.2/24

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

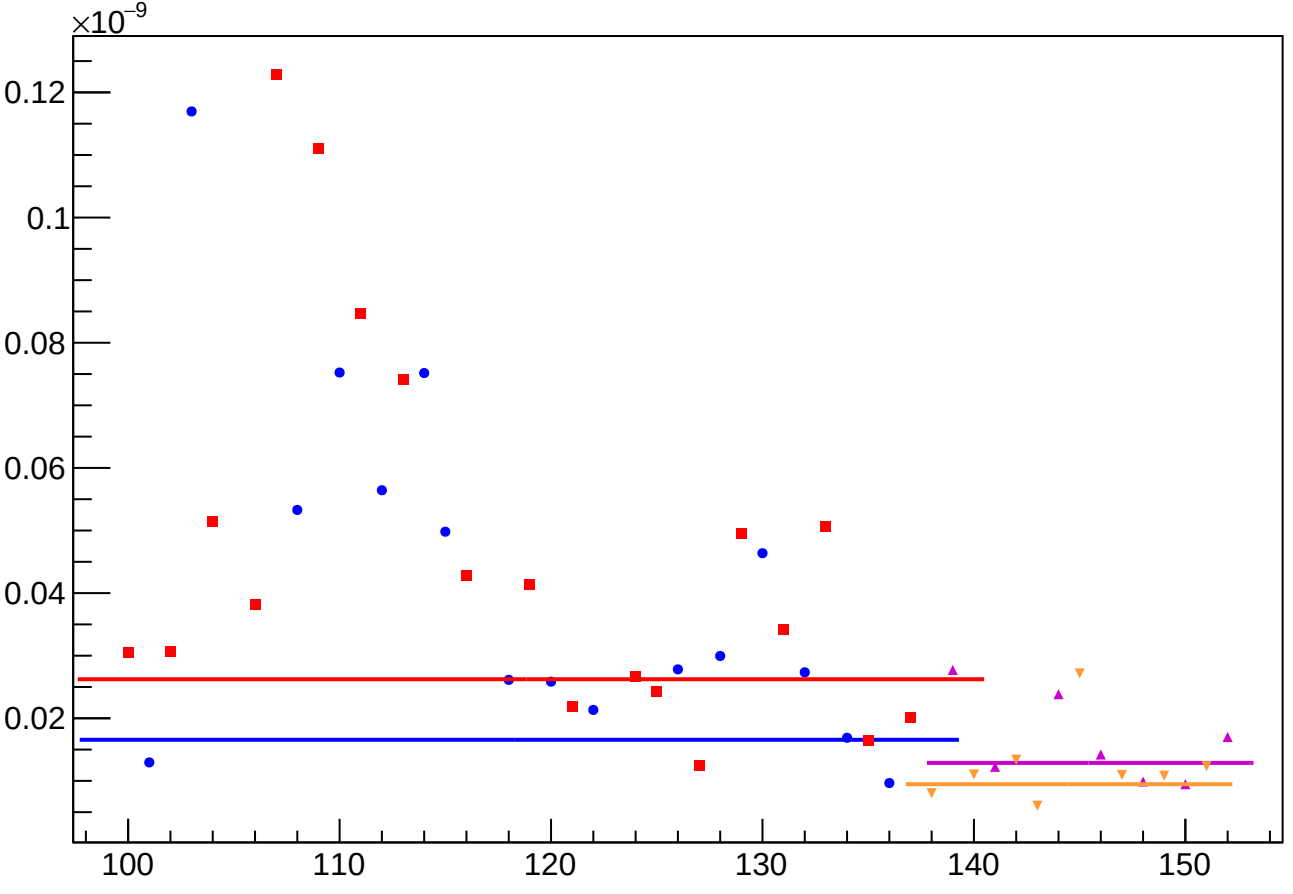
Left In: 0.000+/-0.000 χ^2/NDF:9.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 40.3/23

All: 0.000+/-0.000 χ^2/NDF: 85.5/49

- sign 0.000+/-0.000 χ^2/NDF: 42.0/25

asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:925220.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

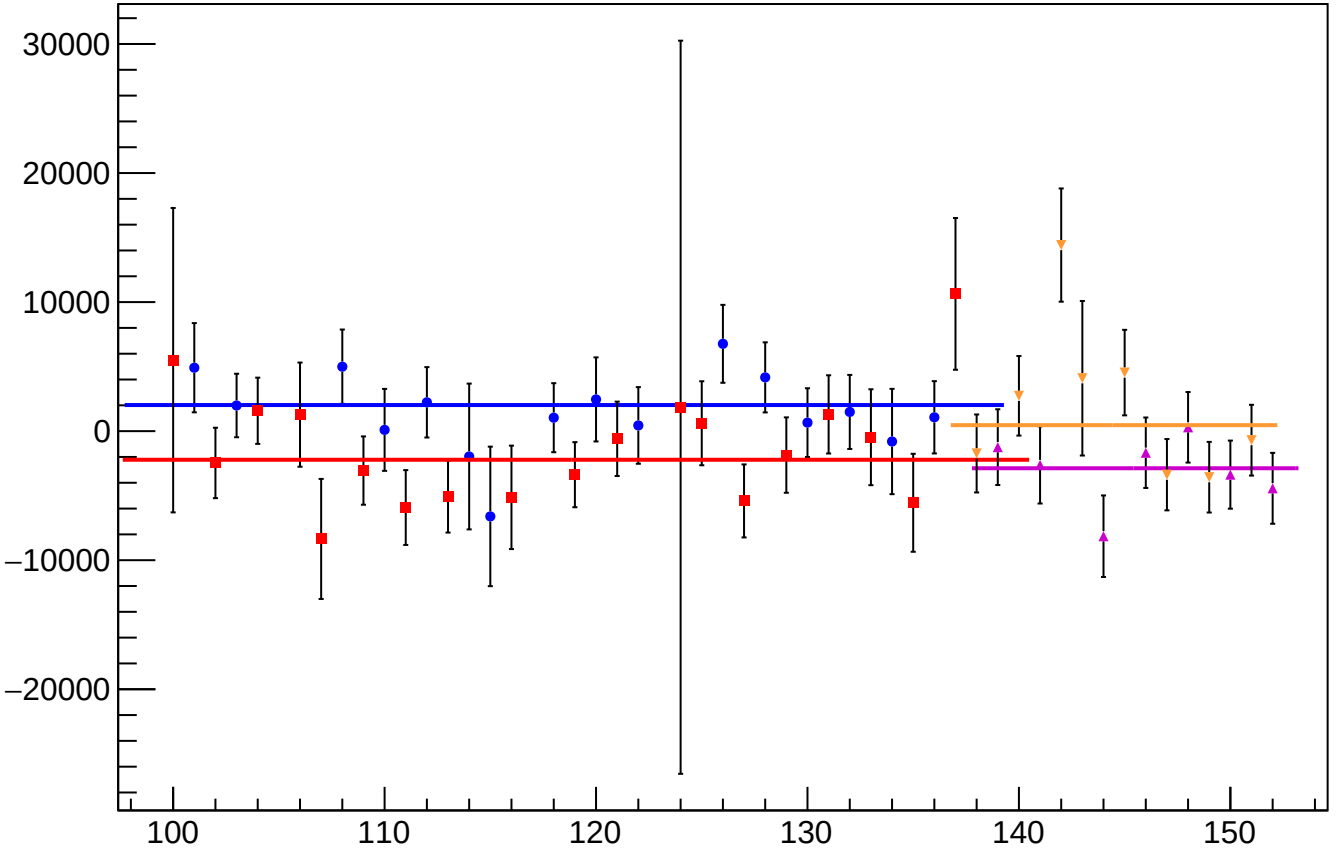
Left In: 0.000+/-0.000 χ^2/NDF:934939.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 4543762.0/23

All: 0.000+/-0.000 χ^2/NDF: 9905332.1/49

- sign 0.000+/-0.000 χ^2/NDF: 4712288.7/25

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 464.054+/-1129.933 χ^2/NDF:17.4/7

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

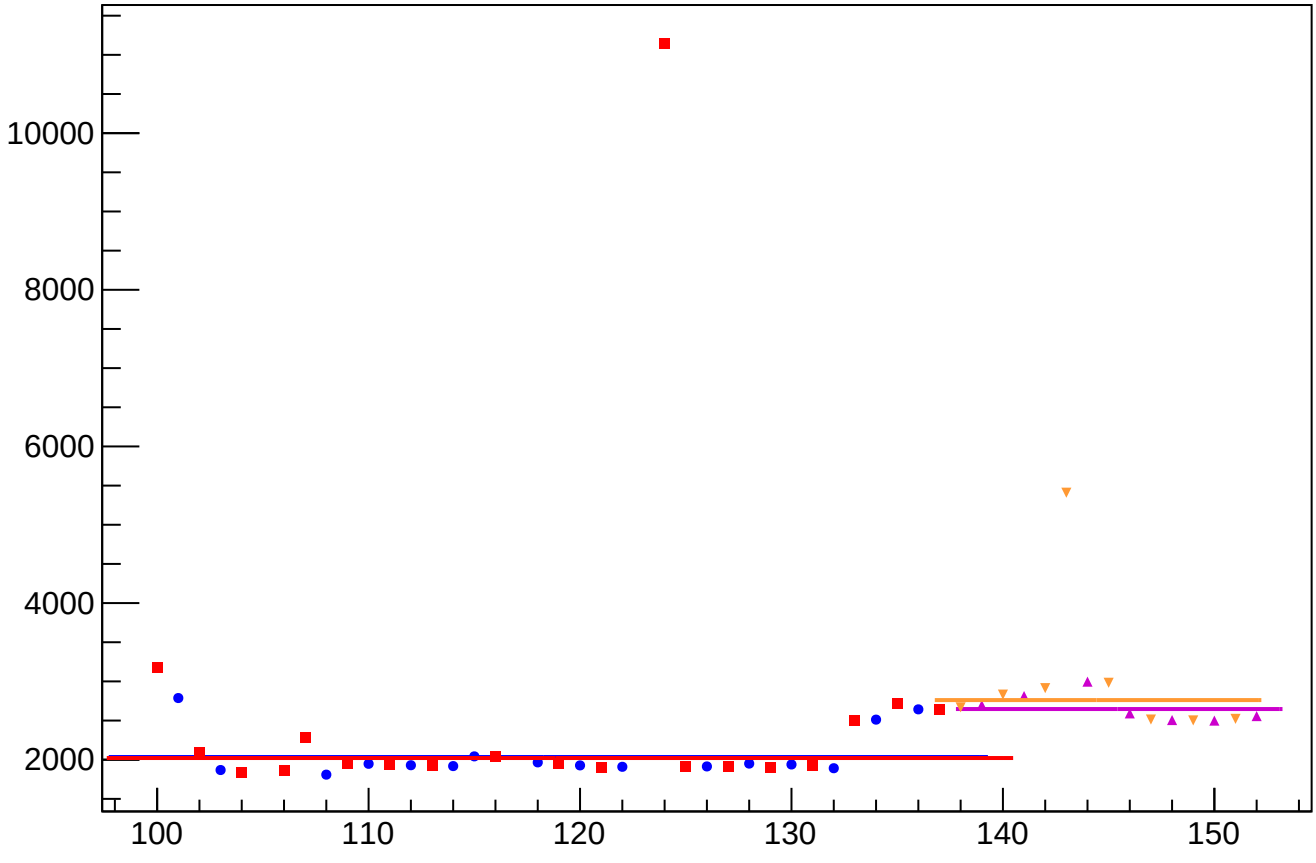
Left In: -2875.552+/-1070.607 χ^2/NDF:5.0/6

+ sign 1533.370+/-633.107 χ^2/NDF: 28.3/23

All: -500.607+/-442.100 χ^2/NDF: 71.8/49

- sign -2436.346+/-617.628 χ^2/NDF: 23.4/25

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2761.400+/-0.799 χ^2/NDF:454860.4/7

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

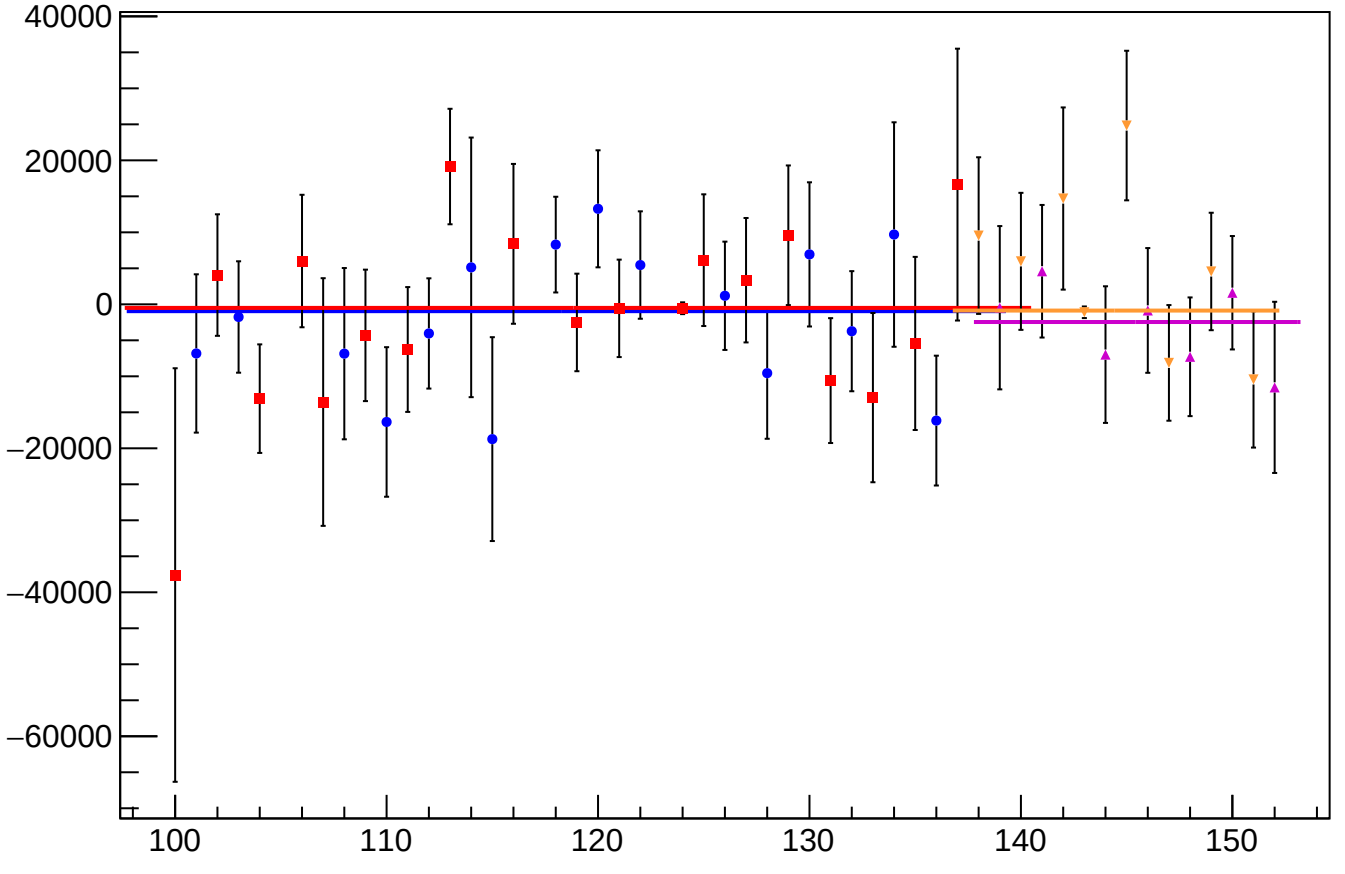
Left In: 2647.056+/-0.757 χ^2/NDF:45780.2/6

+ sign 2262.470+/-0.448 χ^2/NDF: 1286206.3/23

All: 2245.690+/-0.313 χ^2/NDF: 2180552.6/49

- sign 2229.720+/-0.437 χ^2/NDF: 891604.2/25

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -868.016+/-787.713 χ^2/NDF:11.4/7

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

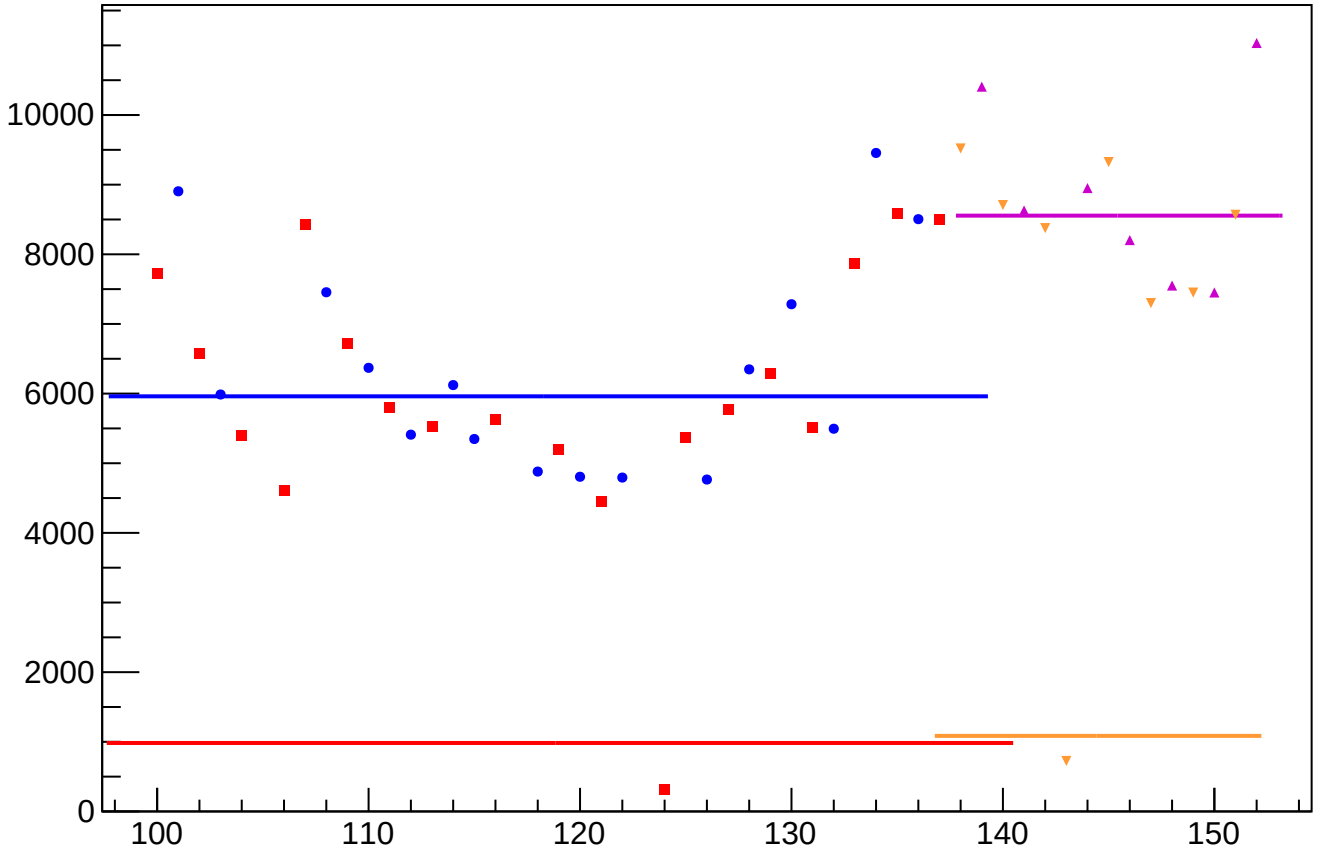
Left In: -2457.451+/-3494.180 χ^2/NDF:2.1/6

+ sign -876.824+/-744.480 χ^2/NDF: 26.8/23

All: -733.419+/-528.494 χ^2/NDF: 47.7/49

- sign -587.738+/-750.362 χ^2/NDF: 20.8/25

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1085.112+/-0.557 χ^2/NDF:8470308.0/7

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

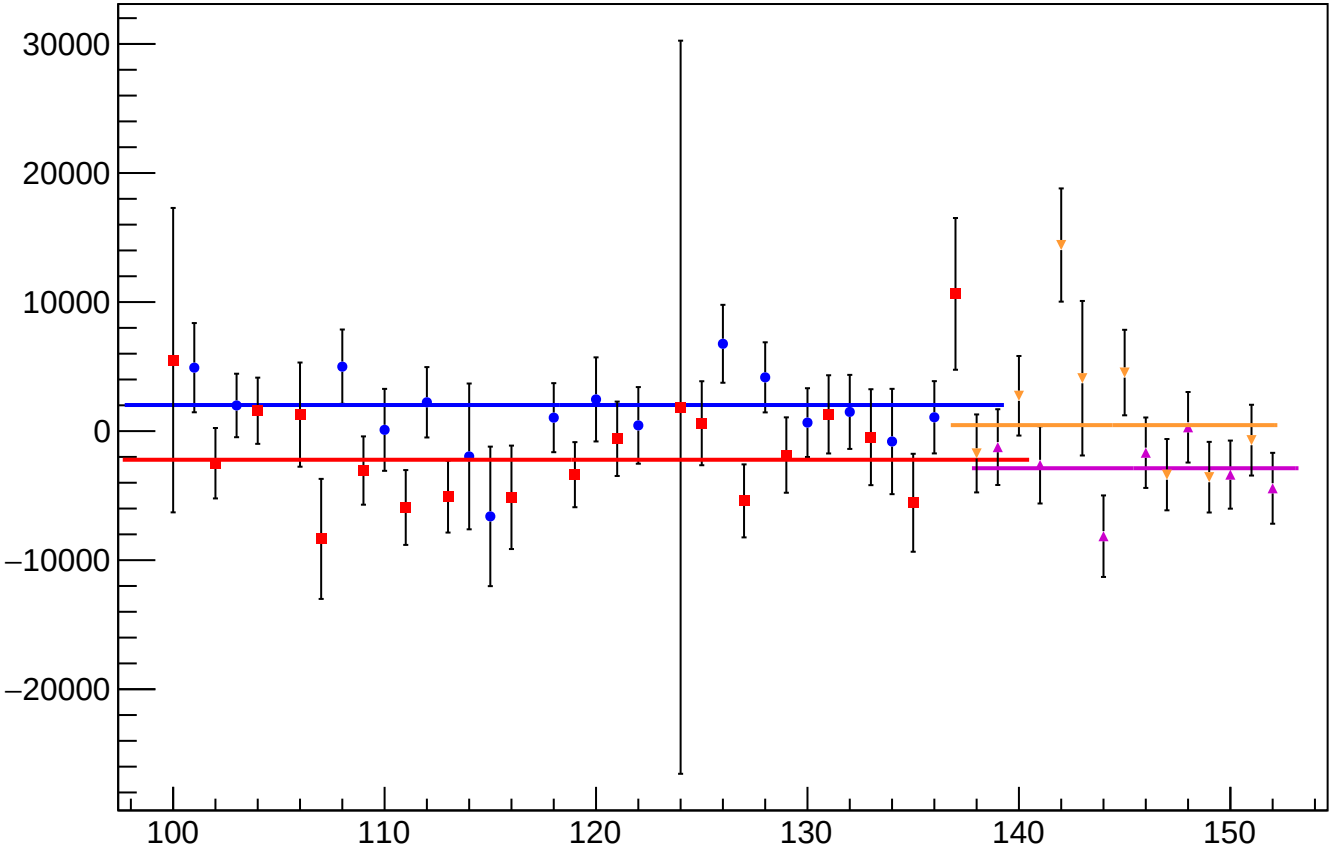
Left In: 8555.159+/-2.471 χ^2/NDF:216108.5/6

+ sign 1605.625+/-0.526 χ^2/NDF: 17339732.1/23

All: 1470.137+/-0.374 χ^2/NDF: 38064620.7/4

- sign 1332.499+/-0.531 χ^2/NDF: 20591355.5/25

cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 464.098+/-1129.933 χ^2/NDF:17.4/7

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

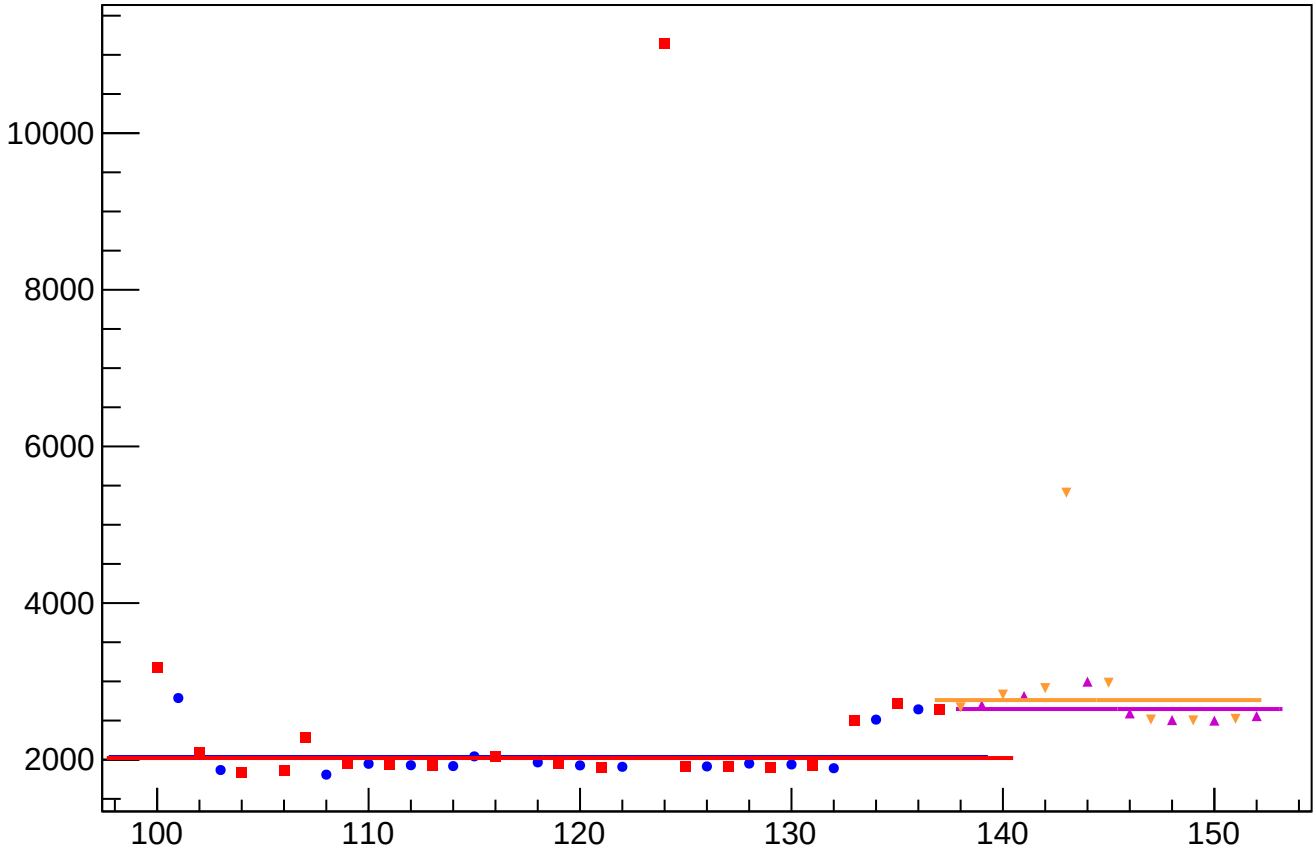
Left In: -2875.744+/-1070.607 χ^2/NDF:5.0/6

+ sign 1533.470+/-633.107 χ^2/NDF: 28.3/23

All: -501.208+/-442.101 χ^2/NDF: 71.8/49

- sign -2437.639+/-617.632 χ^2/NDF: 23.4/25

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2761.400+/-0.799 χ^2/NDF:454860.4/7

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

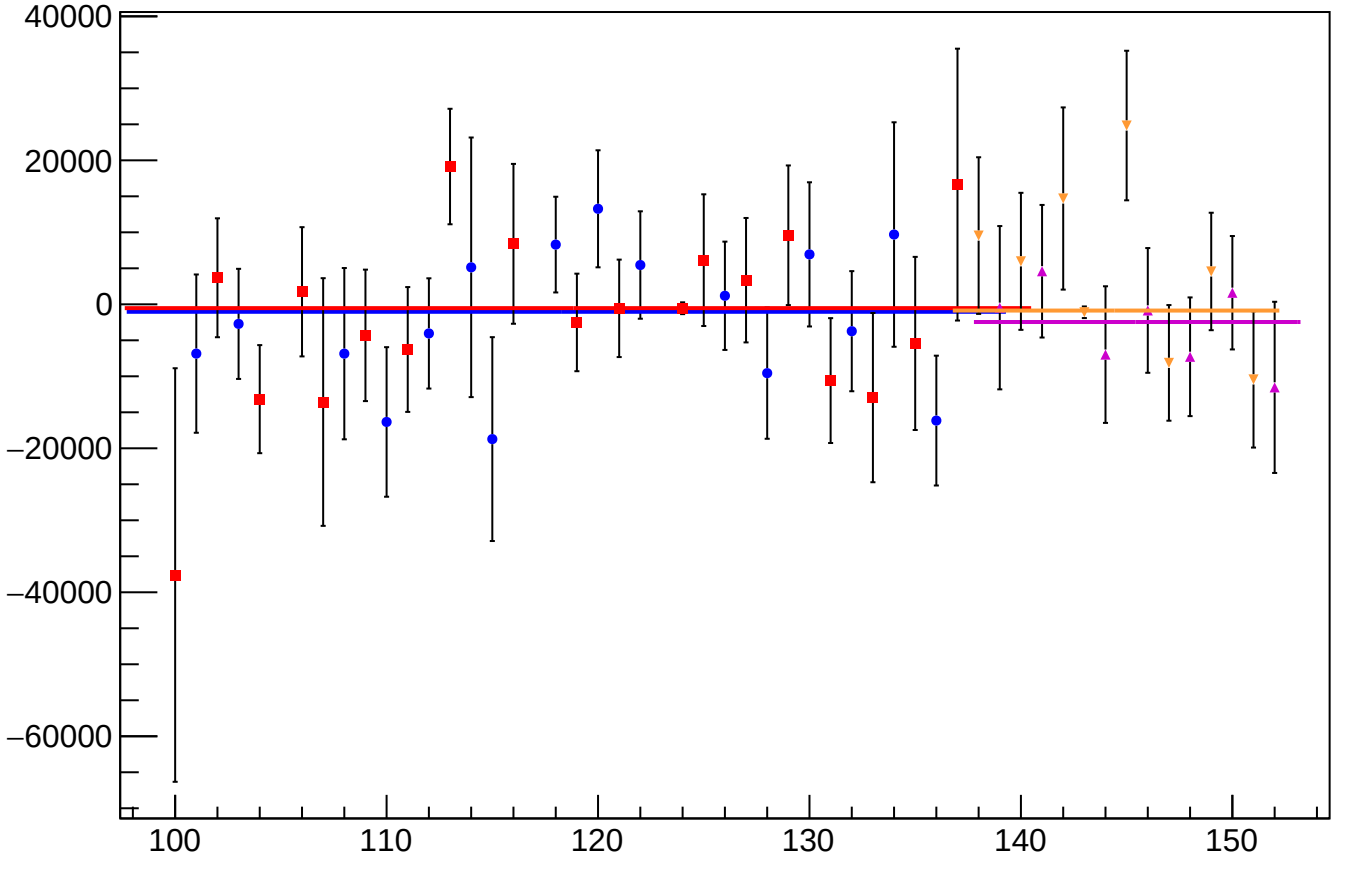
Left In: 2647.056+/-0.757 χ^2/NDF:45780.2/6

+ sign 2262.470+/-0.448 χ^2/NDF: 1286206.4/23

All: 2245.699+/-0.313 χ^2/NDF: 2180527.1/49

- sign 2229.737+/-0.437 χ^2/NDF: 891581.5/25

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -867.809+/-787.640 χ^2/NDF:11.4/7

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

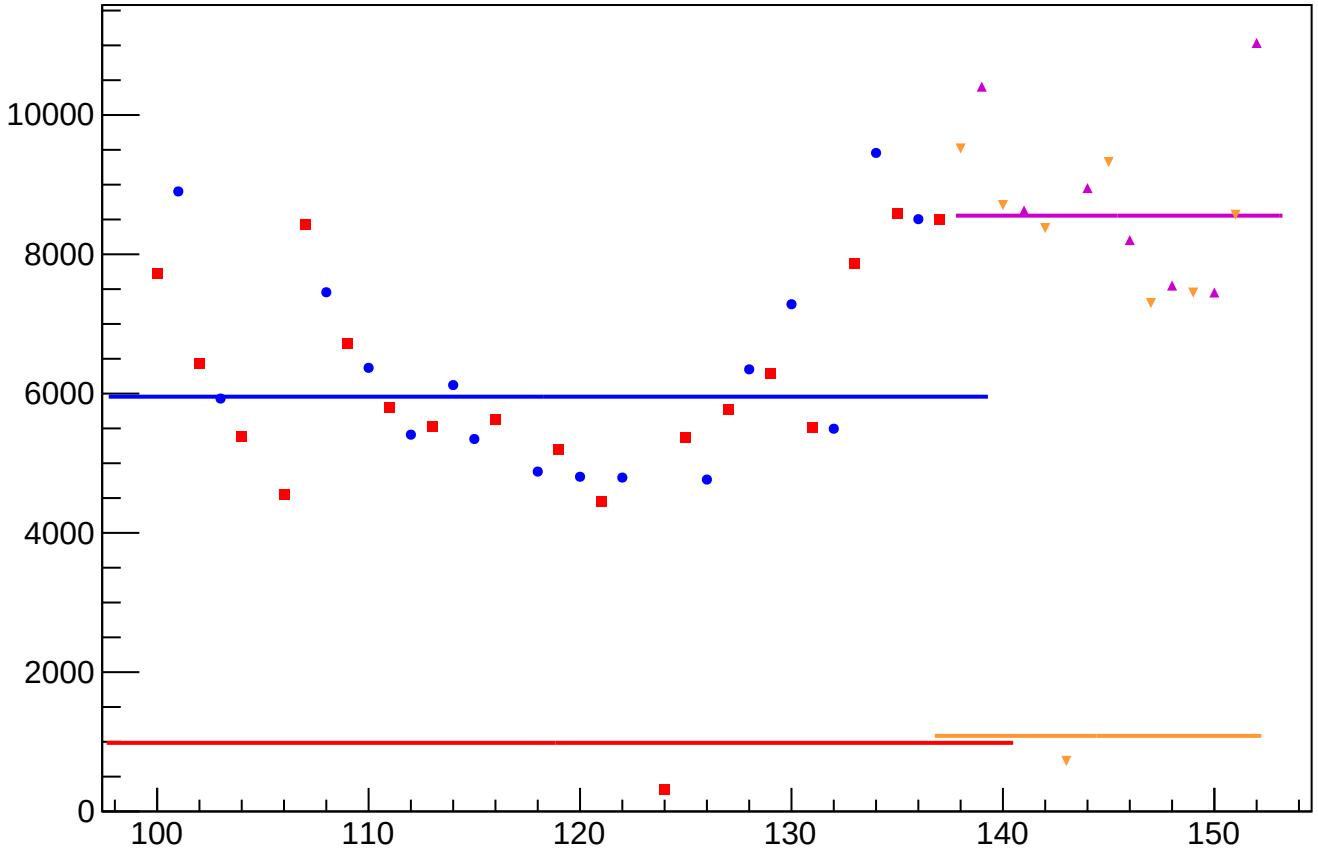
Left In: -2457.565+/-3494.176 χ^2/NDF:2.1/6

+ sign -886.003+/-744.336 χ^2/NDF: 26.8/23

All: -753.744+/-528.332 χ^2/NDF: 47.3/49

- sign -619.448+/-750.046 χ^2/NDF: 20.4/25

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1084.981+/-0.557 χ^2/NDF:8470536.0/7

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

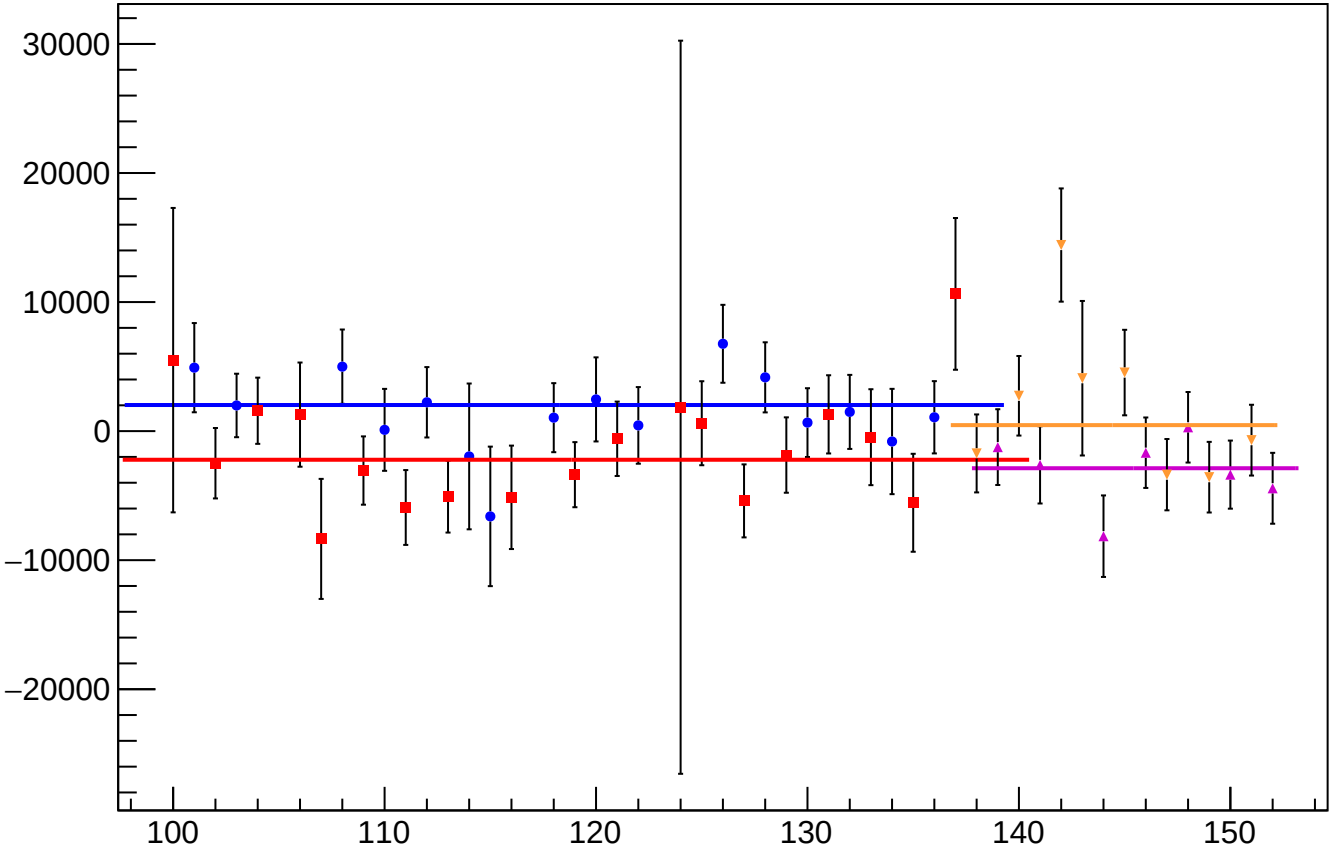
Left In: 8555.148+/-2.471 χ^2/NDF:216109.3/6

+ sign 1605.830+/-0.526 χ^2/NDF: 17338189.6/23

All: 1470.881+/-0.374 χ^2/NDF: 38054463.7/4

- sign 1333.854+/-0.530 χ^2/NDF: 20583781.1/25

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 464.098+/-1129.933 χ^2/NDF:17.4/7

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

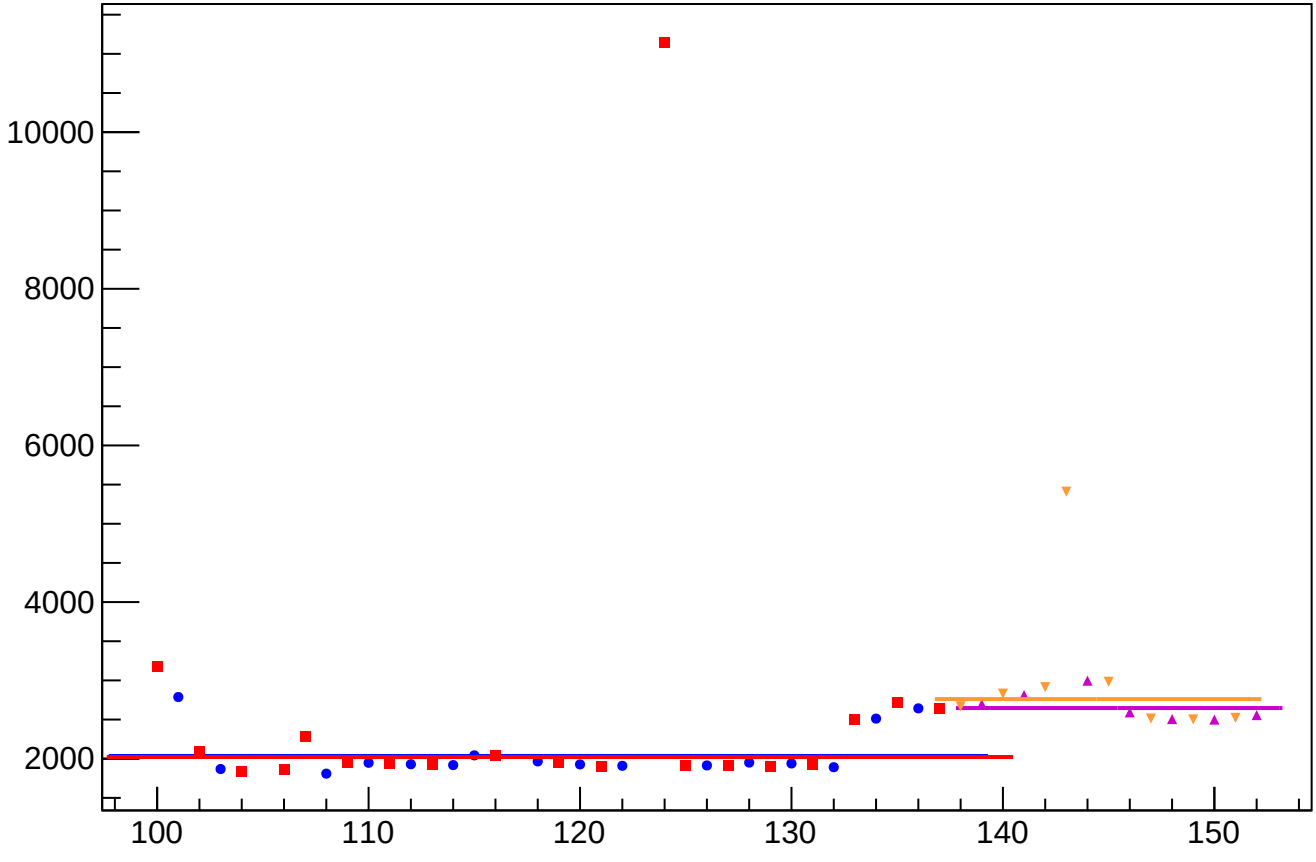
Left In: -2875.744+/-1070.607 χ^2/NDF:5.0/6

+ sign 1533.470+/-633.107 χ^2/NDF: 28.3/23

All: -501.208+/-442.101 χ^2/NDF: 71.8/49

- sign -2437.639+/-617.632 χ^2/NDF: 23.4/25

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2761.400+/-0.799 χ^2/NDF:454860.4/7

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

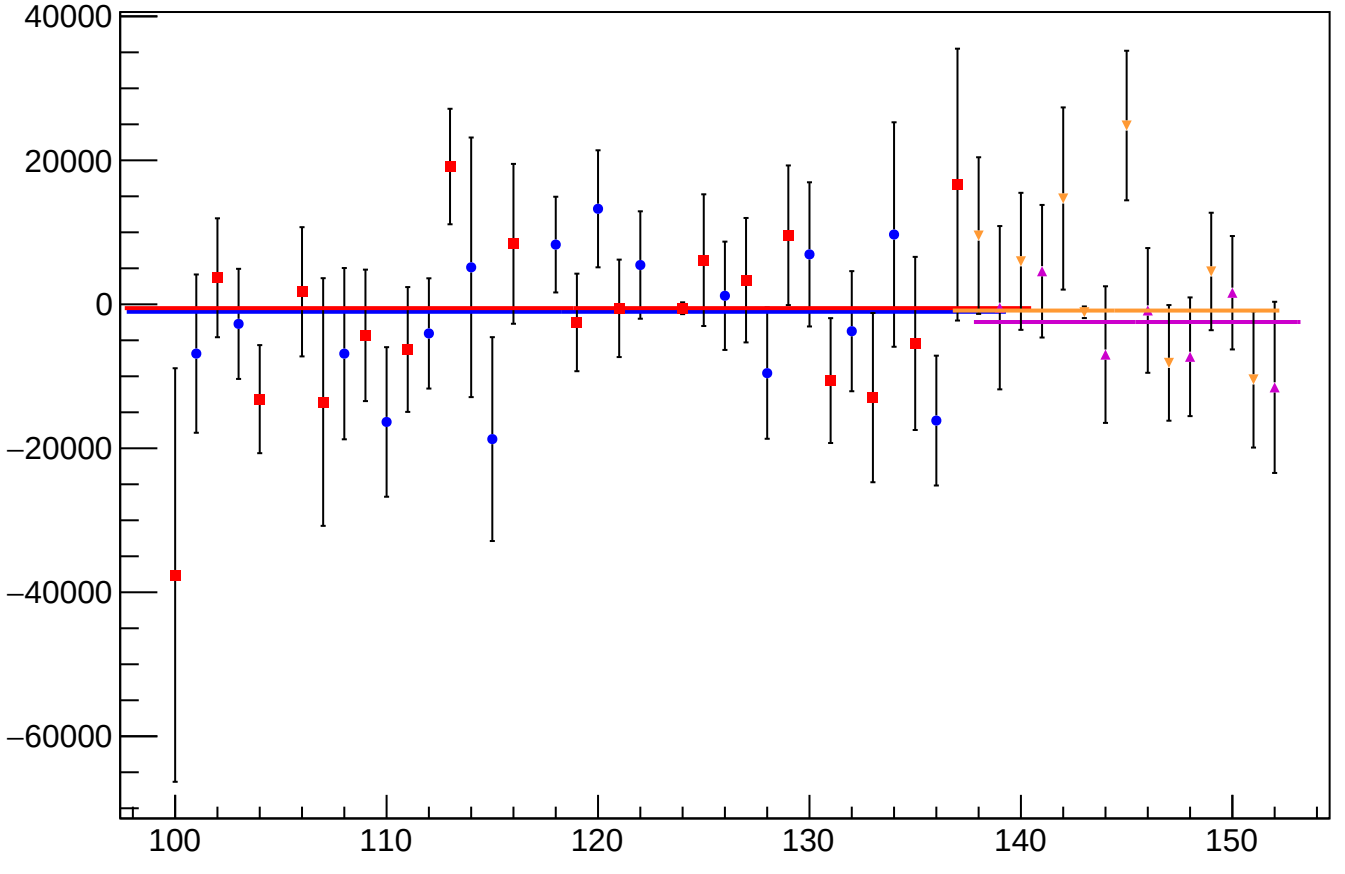
Left In: 2647.056+/-0.757 χ^2/NDF:45780.2/6

+ sign 2262.470+/-0.448 χ^2/NDF: 1286206.4/23

All: 2245.699+/-0.313 χ^2/NDF: 2180527.1/49

- sign 2229.737+/-0.437 χ^2/NDF: 891581.5/25

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -867.809+/-787.640 χ^2/NDF:11.4/7

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

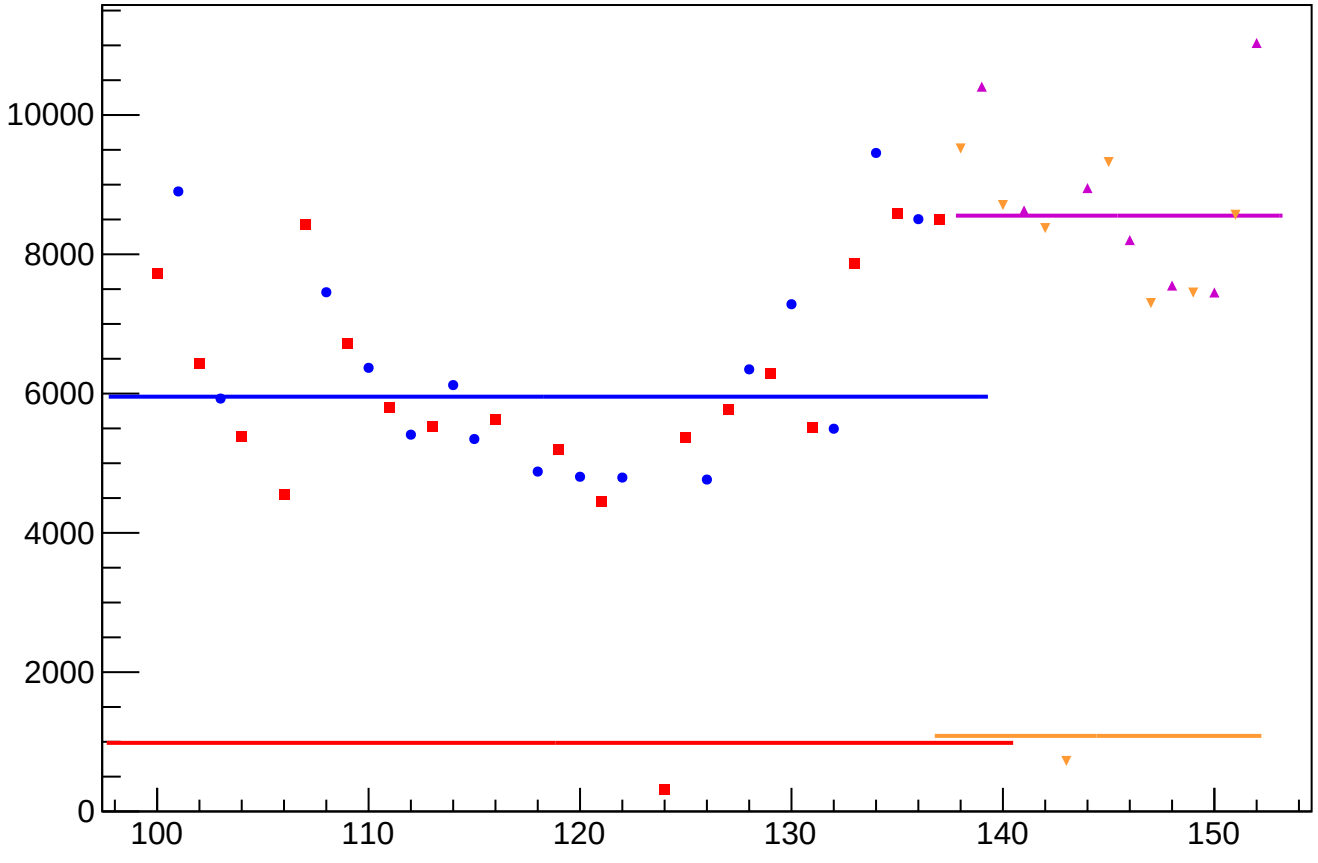
Left In: -2457.565+/-3494.176 χ^2/NDF:2.1/6

+ sign -886.003+/-744.336 χ^2/NDF: 26.8/23

All: -753.744+/-528.332 χ^2/NDF: 47.3/49

- sign -619.448+/-750.046 χ^2/NDF: 20.4/25

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1084.981+/-0.557 χ^2/NDF:8470536.0/7

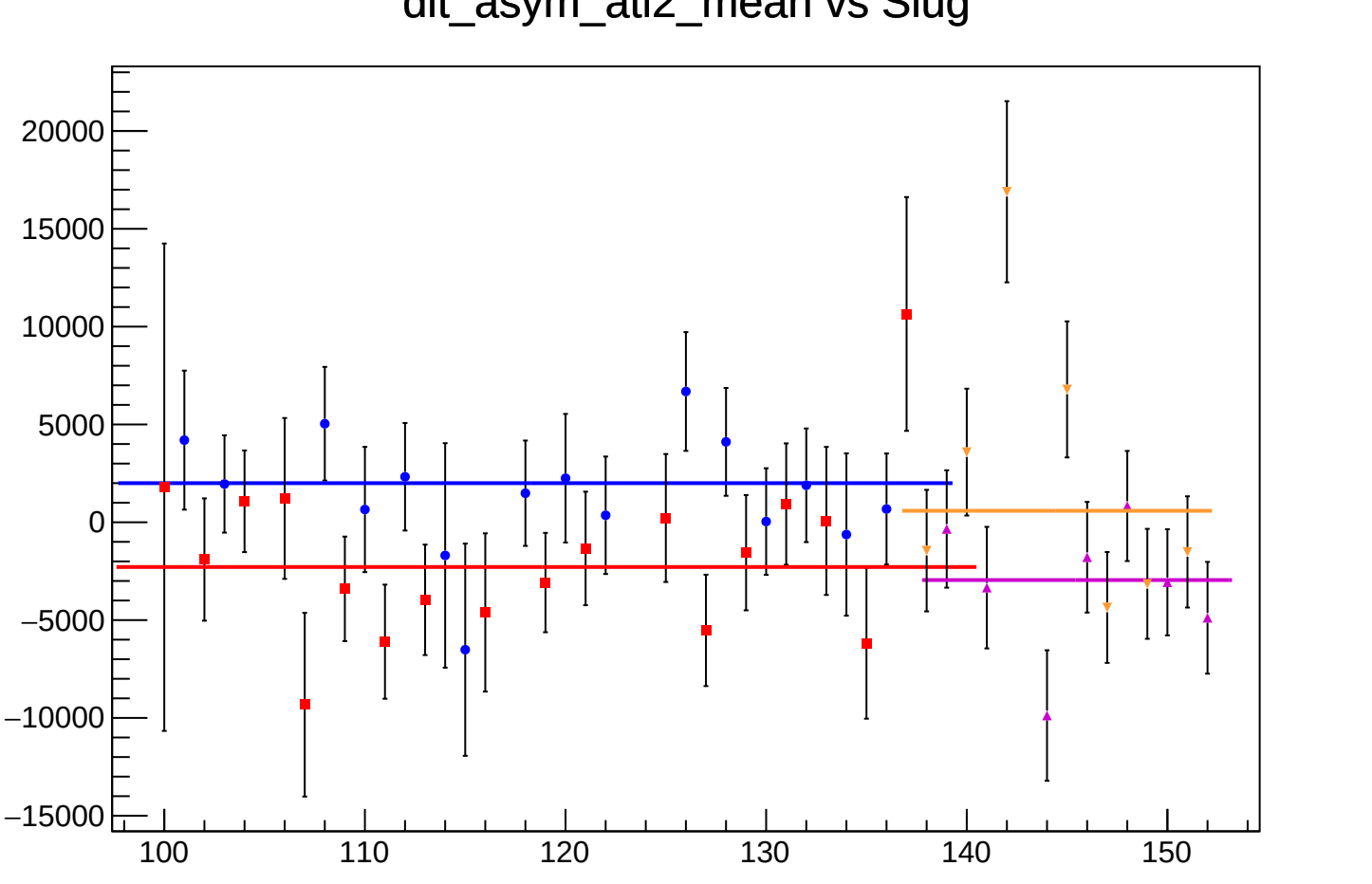
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8555.148+/-2.471 χ^2/NDF:216109.3/6

+ sign 1605.830+/-0.526 χ^2/NDF: 17338189.6/23

All: 1470.881+/-0.374 χ^2/NDF: 38054463.7/4

- sign 1333.854+/-0.530 χ^2/NDF: 20583781.1/25



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 587.136+/-1192.561 χ^2/NDF:22.2/6

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

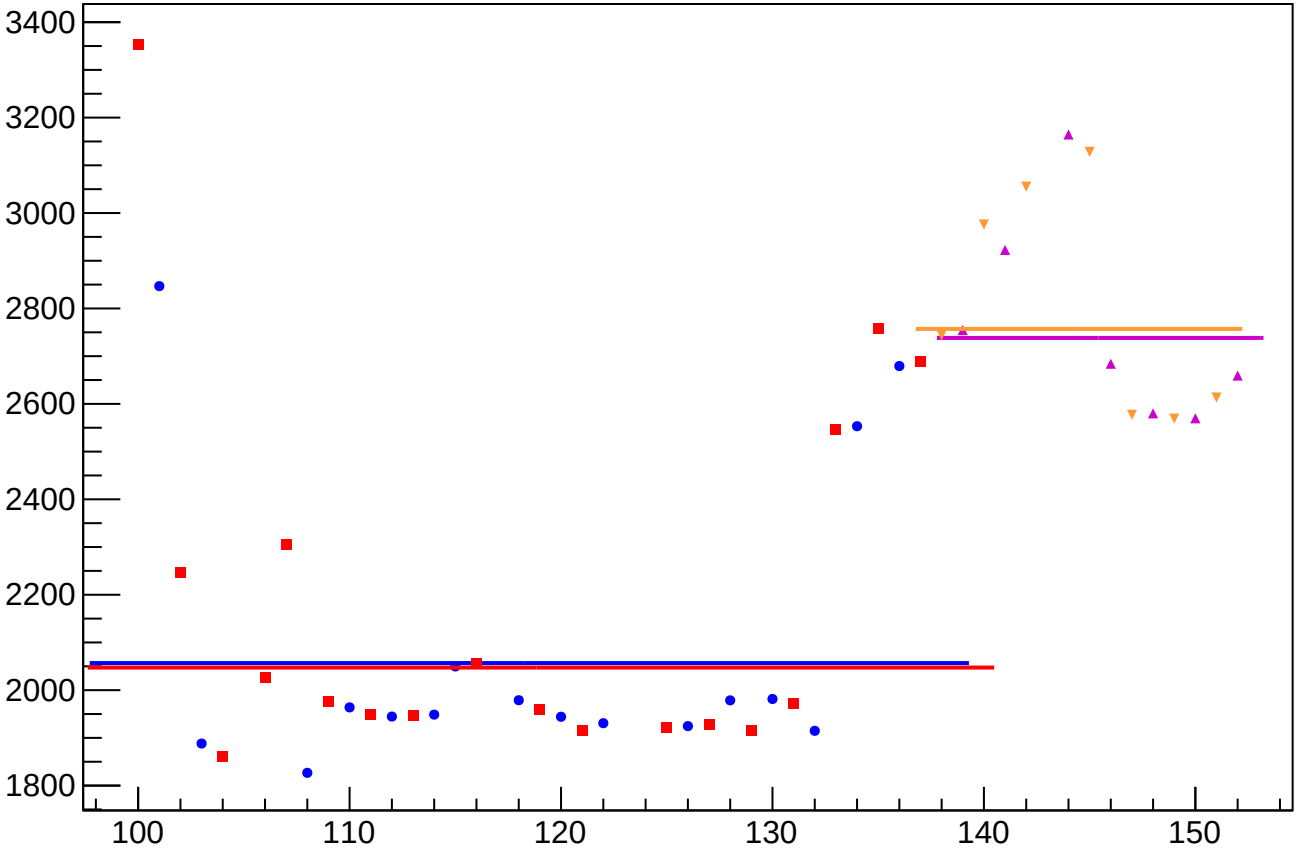
Left In: -2953.685+/-1108.096 χ^2/NDF:7.5/6

+ sign 1581.047+/-648.972 χ^2/NDF: 32.2/22

All: -512.146+/-453.156 χ^2/NDF: 76.9/47

- sign -2503.845+/-633.043 χ^2/NDF: 24.4/24

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2757.177+/-0.843 χ^2/NDF:62388.6/6

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

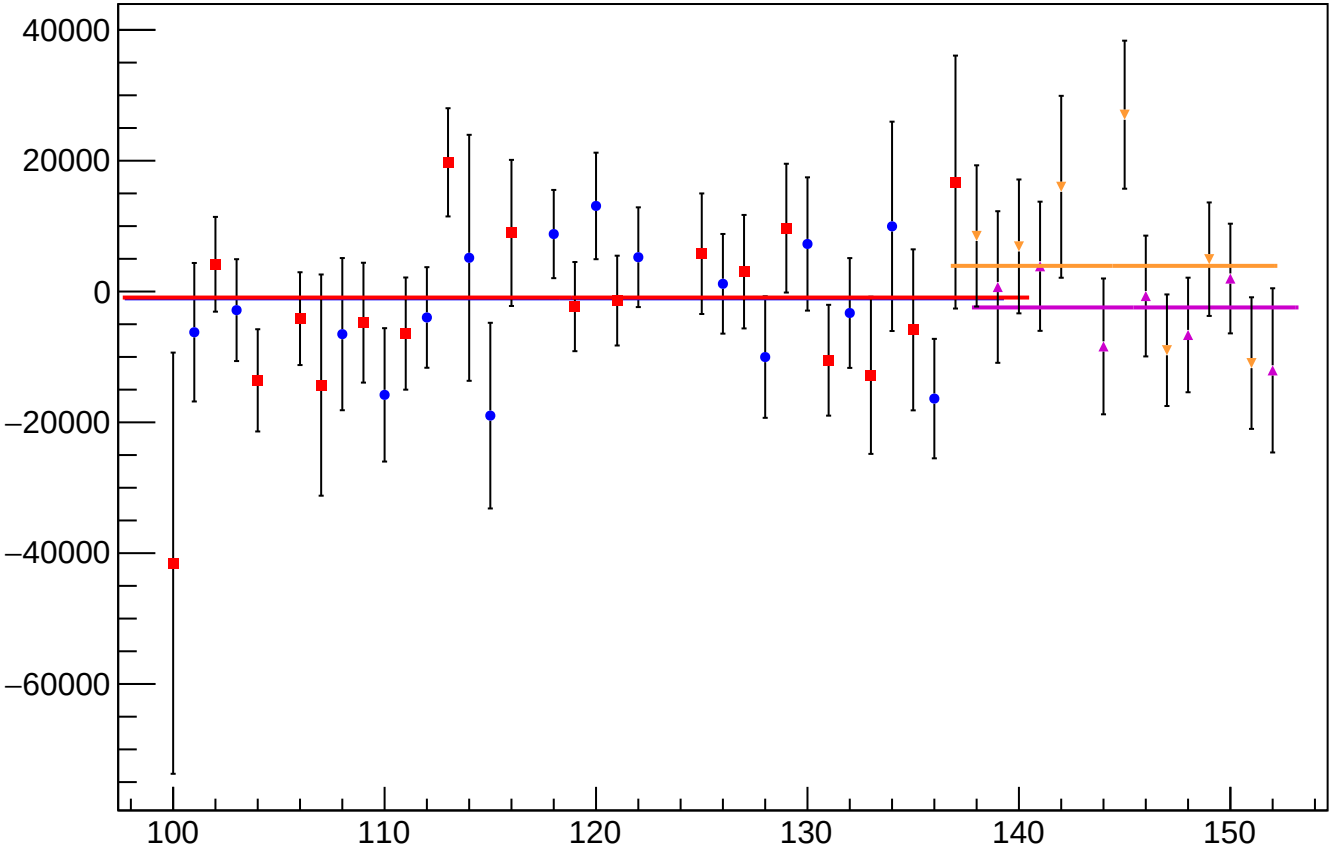
Left In: 2738.233+/-0.784 χ^2/NDF:56080.0/6

+ sign 2264.204+/-0.459 χ^2/NDF: 818385.7/22

All: 2268.412+/-0.320 χ^2/NDF: 1595319.3/47

- sign 2272.409+/-0.447 χ^2/NDF: 776769.5/24

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 3924.703+/-3834.342 χ^2/NDF:9.7/6

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

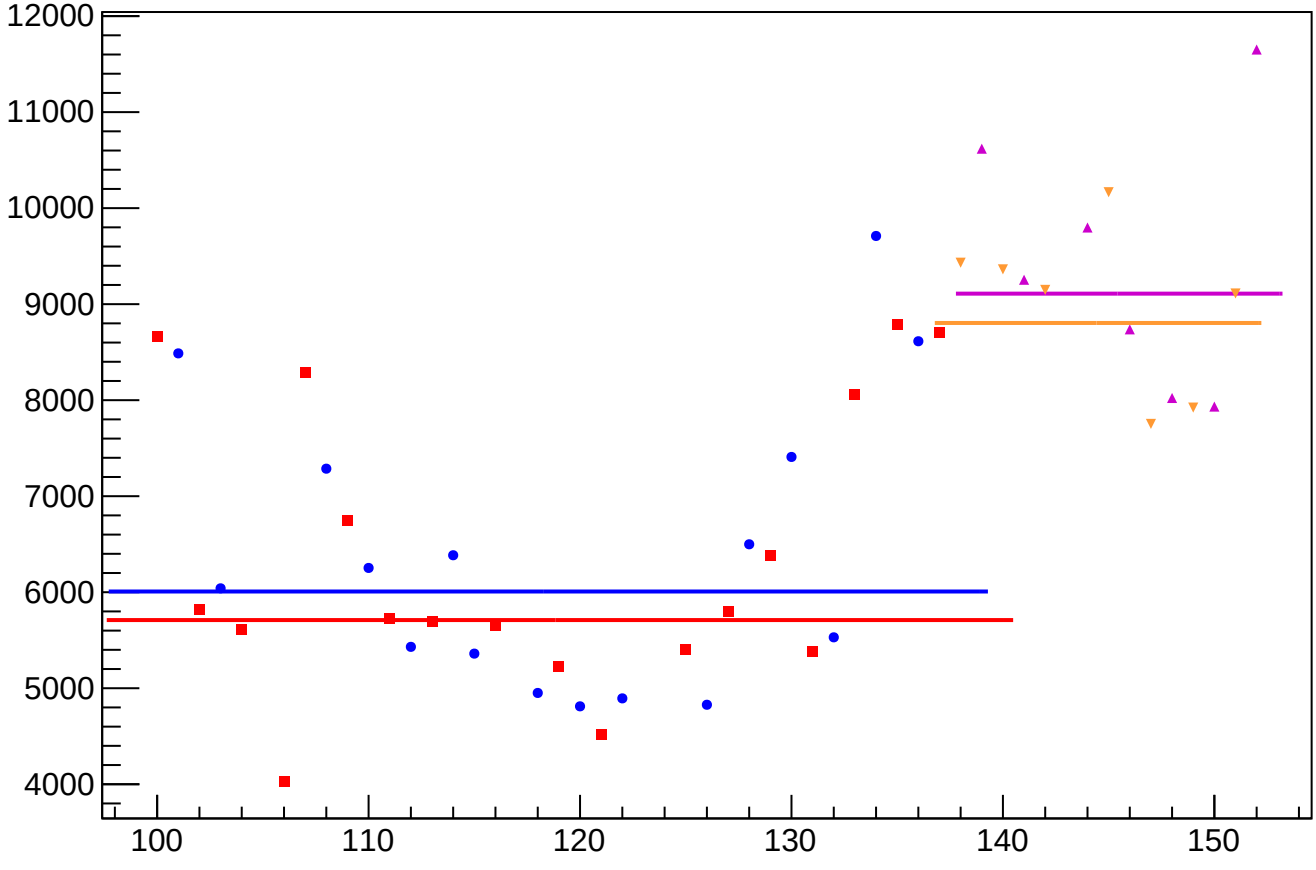
Left In: -2433.023+/-3718.869 χ^2/NDF:1.9/6

+ sign 267.295+/-1968.967 χ^2/NDF: 26.2/22

All: -559.596+/-1352.831 χ^2/NDF: 47.0/47

- sign -1299.008+/-1861.904 χ^2/NDF: 20.4/24

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 8804.145+/-2.711 χ^2/NDF:95777.5/6

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

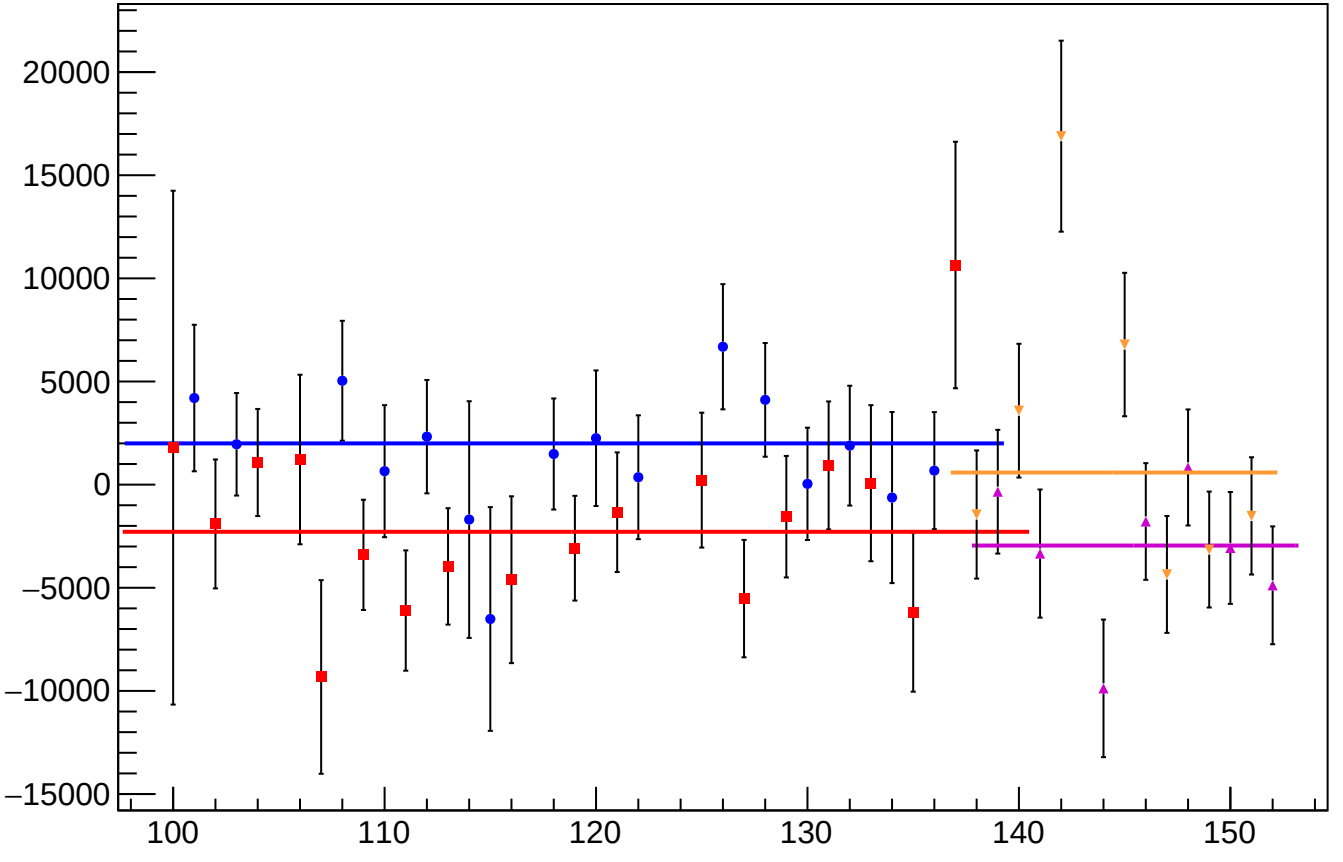
Left In: 9109.557+/-2.630 χ^2/NDF:198591.0/6

+ sign 6744.894+/-1.392 χ^2/NDF: 1533215.8/22

All: 6648.380+/-0.957 χ^2/NDF: 3529267.4/47

- sign 6562.075+/-1.317 χ^2/NDF: 1986948.9/24

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 587.141+/-1192.561 χ^2/NDF:22.2/6

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

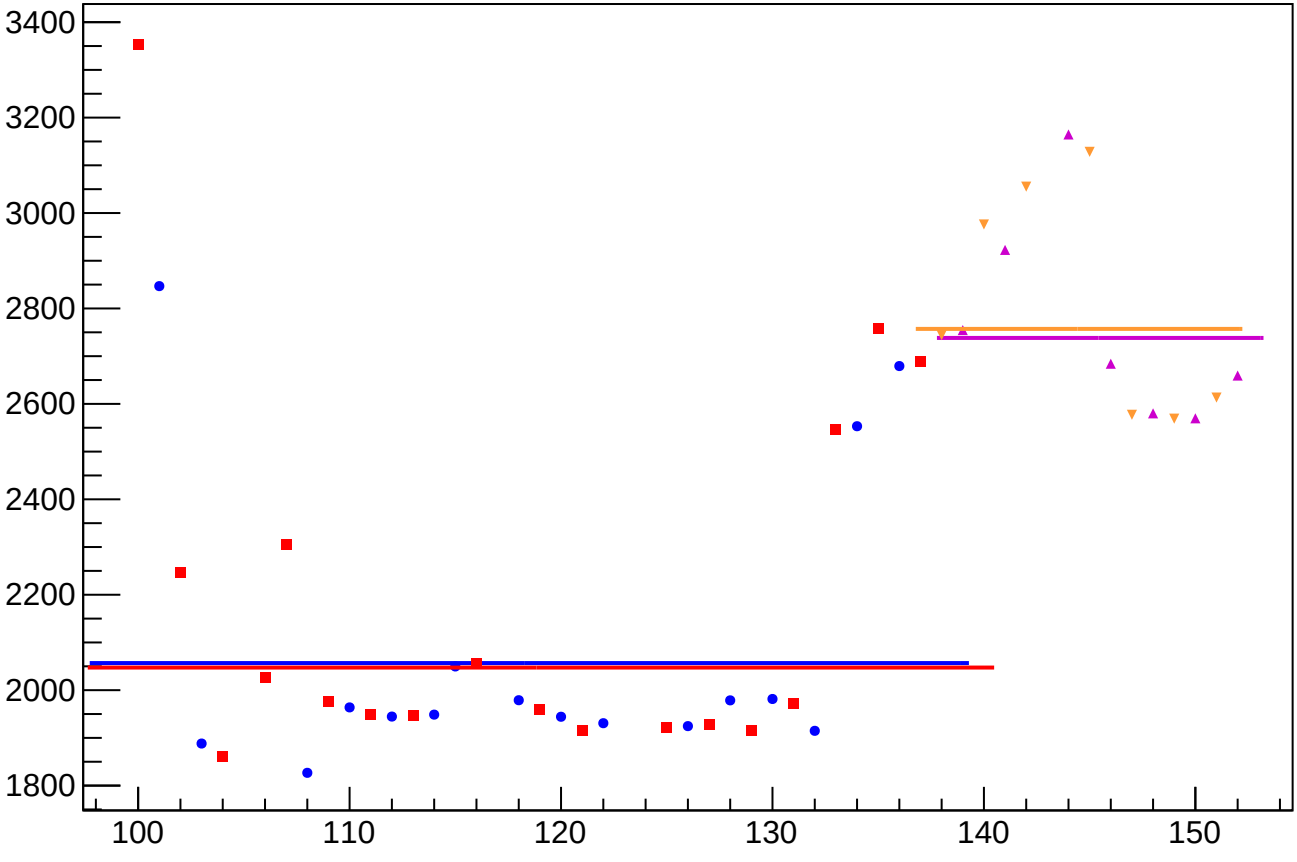
Left In: -2953.688+/-1108.097 χ^2/NDF:7.5/6

+ sign 1581.052+/-648.972 χ^2/NDF: 32.2/22

All: -512.145+/-453.156 χ^2/NDF: 76.9/47

- sign -2503.848+/-633.043 χ^2/NDF: 24.4/24

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2757.179+/-0.843 χ^2/NDF:62389.9/6

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

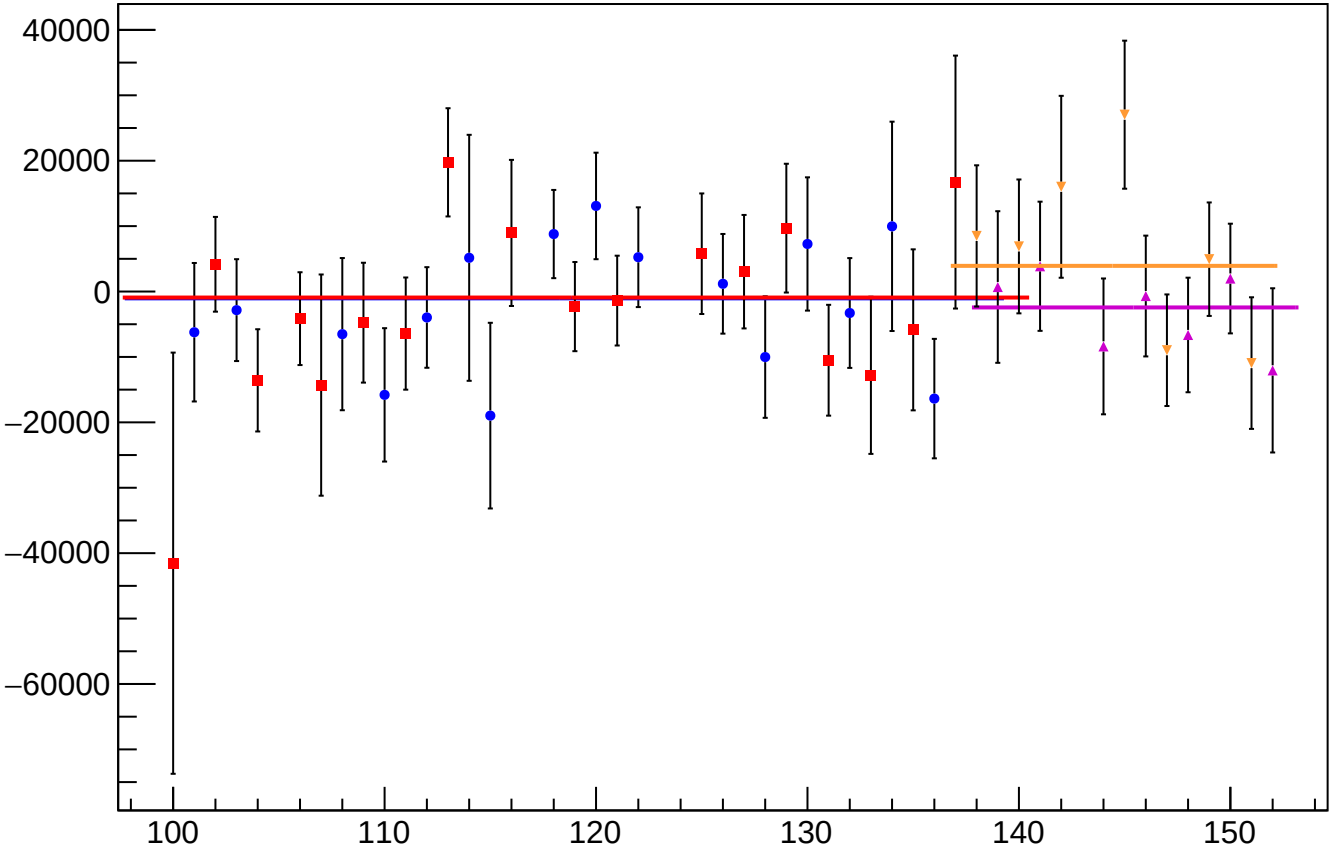
Left In: 2738.235+/-0.784 χ^2/NDF:56080.7/6

+ sign 2264.204+/-0.459 χ^2/NDF: 818388.6/22

All: 2268.413+/-0.320 χ^2/NDF: 1595326.1/47

- sign 2272.409+/-0.447 χ^2/NDF: 776773.5/24

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 3924.695+/-3834.347 χ^2/NDF:9.7/6

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

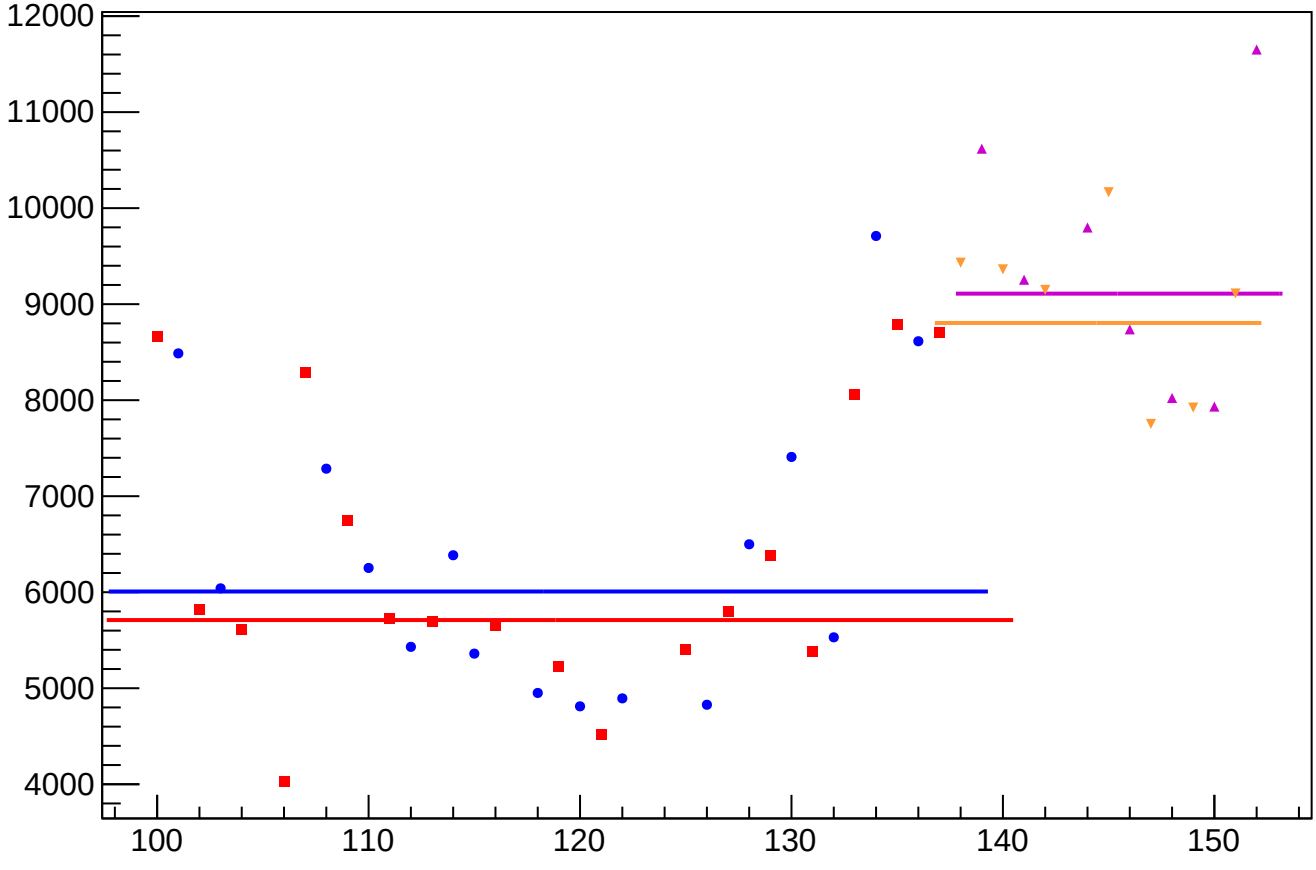
Left In: -2433.025+/-3718.874 χ^2/NDF:1.9/6

+ sign 267.294+/-1968.963 χ^2/NDF: 26.2/22

All: -559.598+/-1352.829 χ^2/NDF: 47.0/47

- sign -1299.010+/-1861.901 χ^2/NDF: 20.4/24

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 8804.156+/-2.711 χ^2/NDF:95779.8/6

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

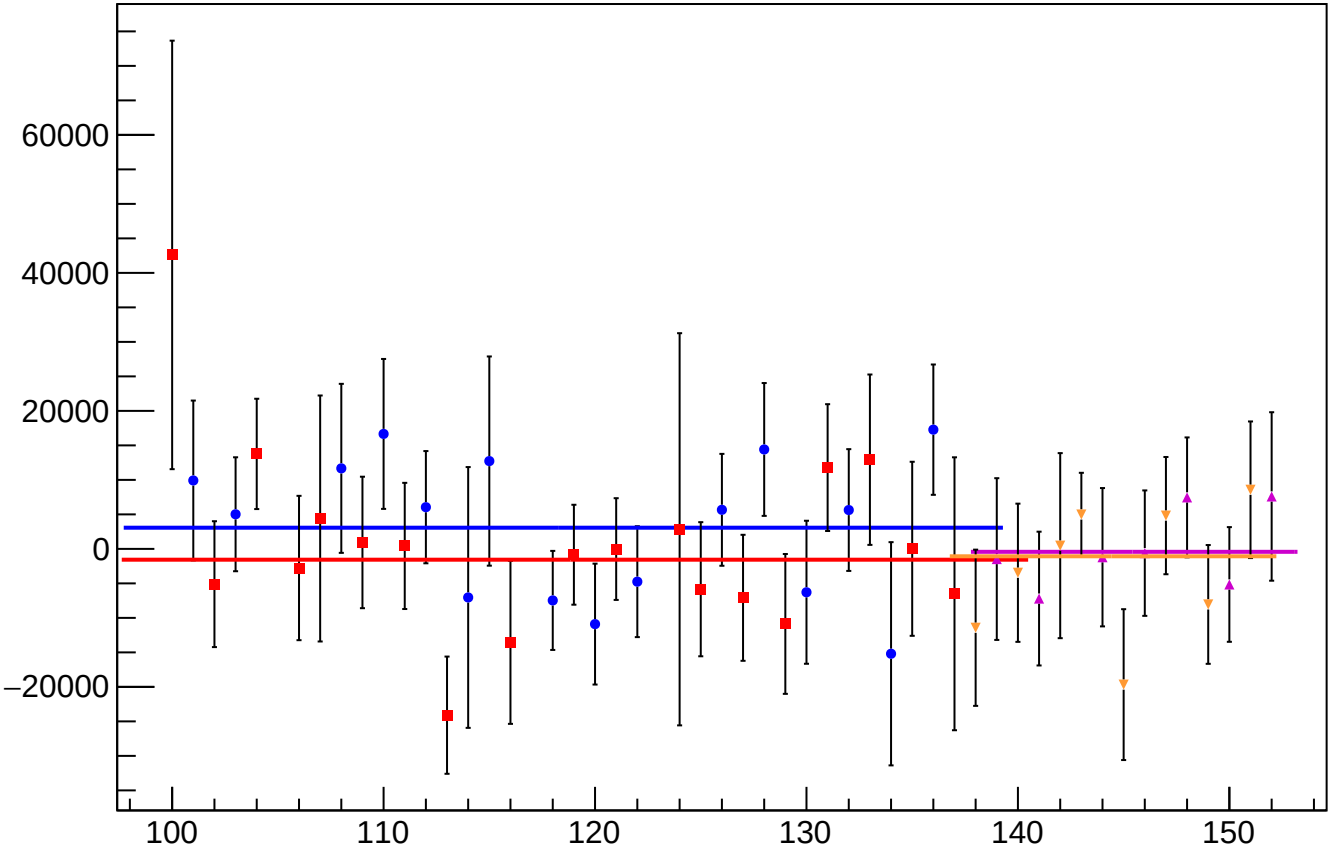
Left In: 9109.567+/-2.630 χ^2/NDF:198593.6/6

+ sign 6744.878+/-1.392 χ^2/NDF: 1533243.1/22

All: 6648.364+/-0.957 χ^2/NDF: 3529320.4/47

- sign 6562.060+/-1.317 χ^2/NDF: 1986974.8/24

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -1073.218+/-3216.902 χ^2/NDF:6.9/7

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

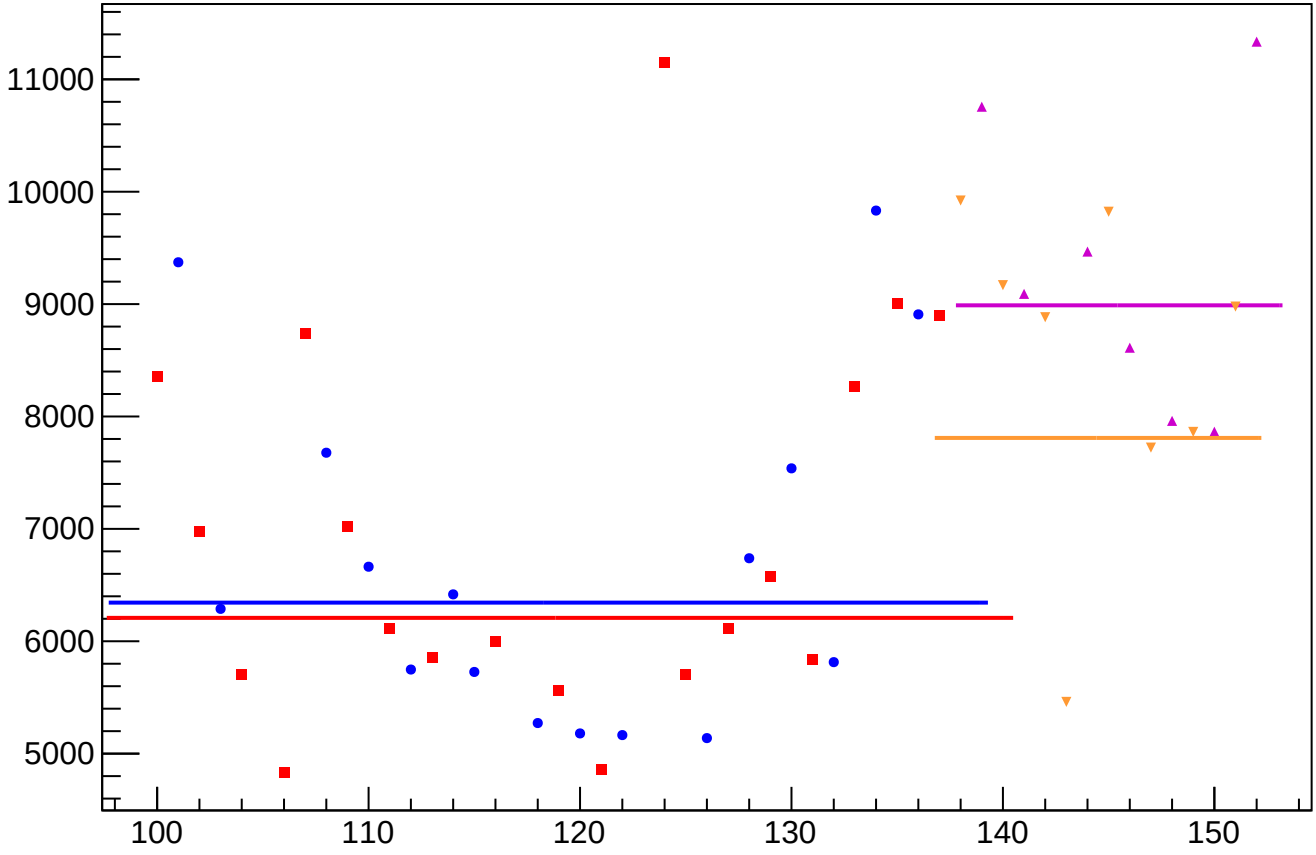
Left In: -425.633+/-3666.017 χ^2/NDF:2.1/6

+ sign 1572.267+/-1934.252 χ^2/NDF: 22.8/23

All: 193.096+/-1380.179 χ^2/NDF: 45.2/49

- sign -1237.485+/-1969.973 χ^2/NDF: 21.4/25

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 7809.270+/-2.275 χ^2/NDF:517351.2/7

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

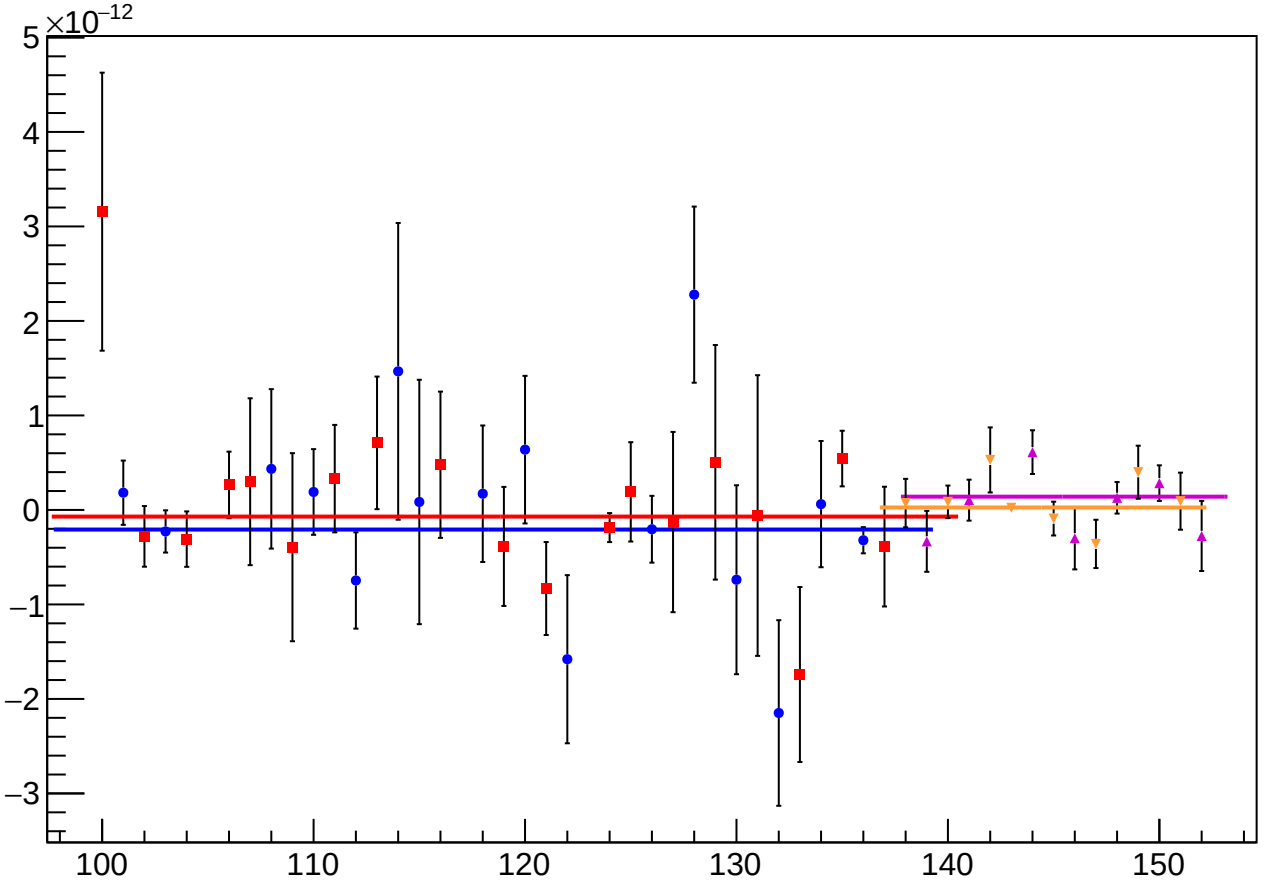
Left In: 8989.118+/-2.592 χ^2/NDF:192174.2/6

+ sign 6873.616+/-1.368 χ^2/NDF: 1403592.5/23

All: 6941.116+/-0.976 χ^2/NDF: 2891162.2/49

- sign 7011.133+/-1.393 χ^2/NDF: 1482607.5/25

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:6.8/7

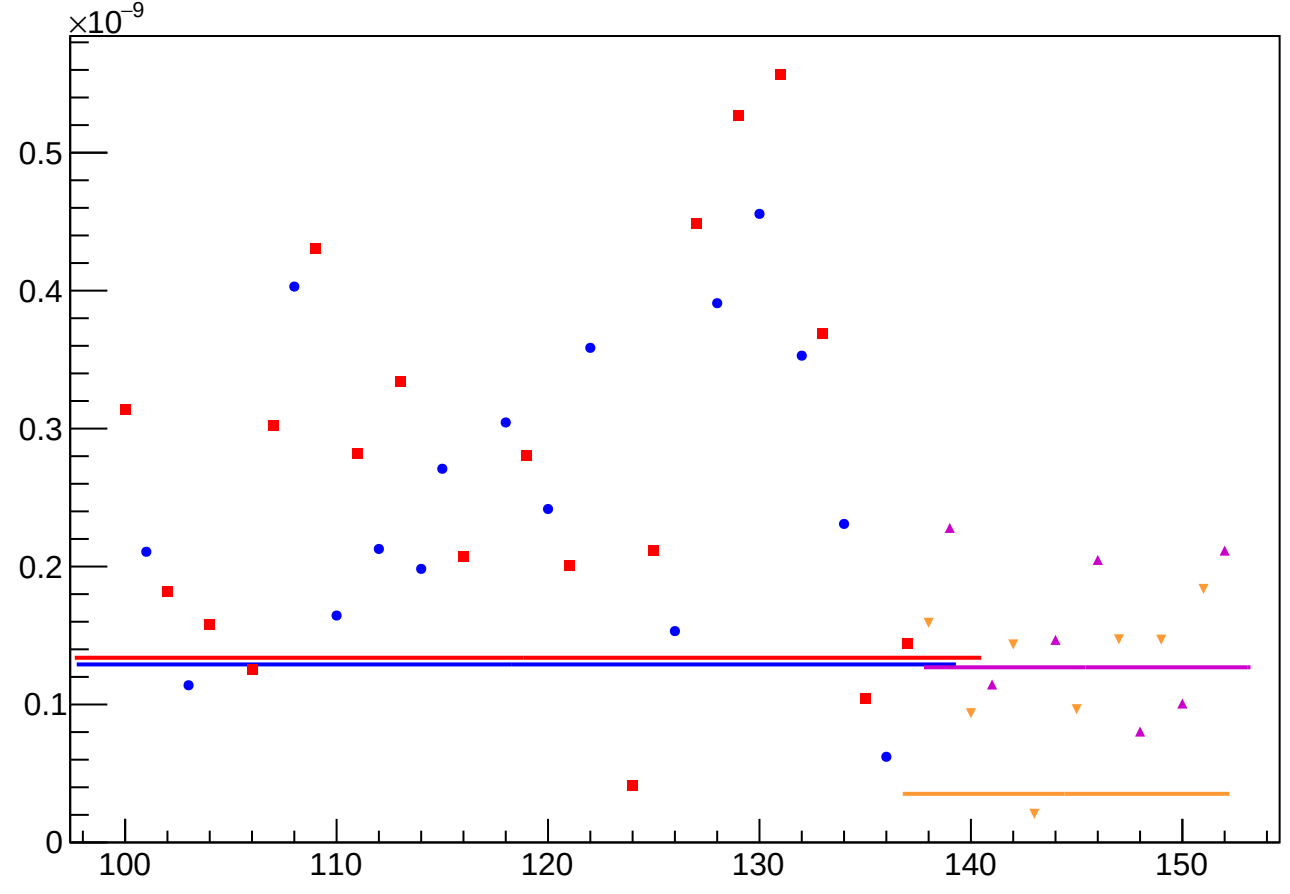
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 33.1/23

All: 0.000+/-0.000 χ^2/NDF: 66.9/49

- sign 0.000+/-0.000 χ^2/NDF: 33.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2647846.7/7

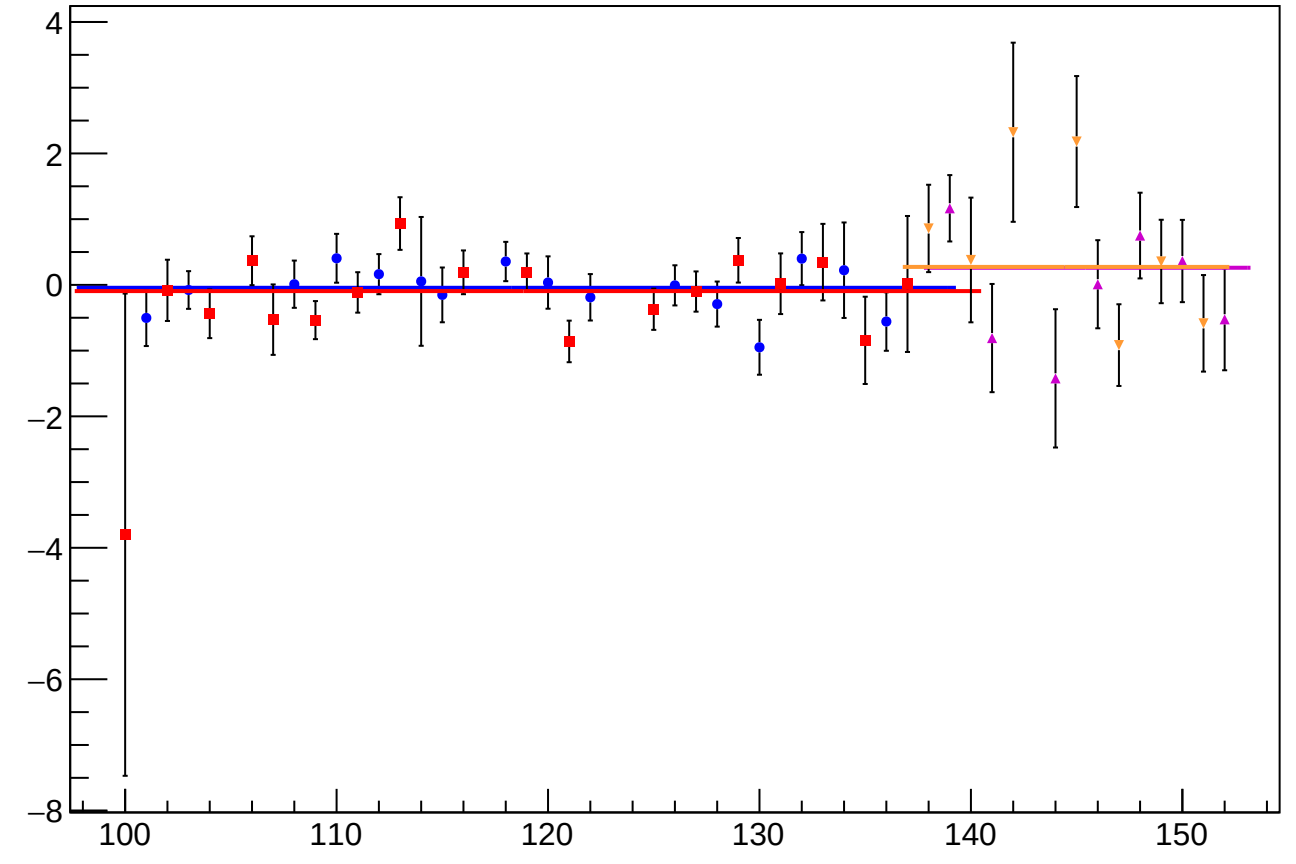
Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:627665.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 6099266.5/23

All: 0.000+/-0.000 χ^2/NDF: 11830164.0/49

- sign 0.000+/-0.000 χ^2/NDF: 2937851.8/25



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.274+/-0.291 χ^2/NDF:11.8/6

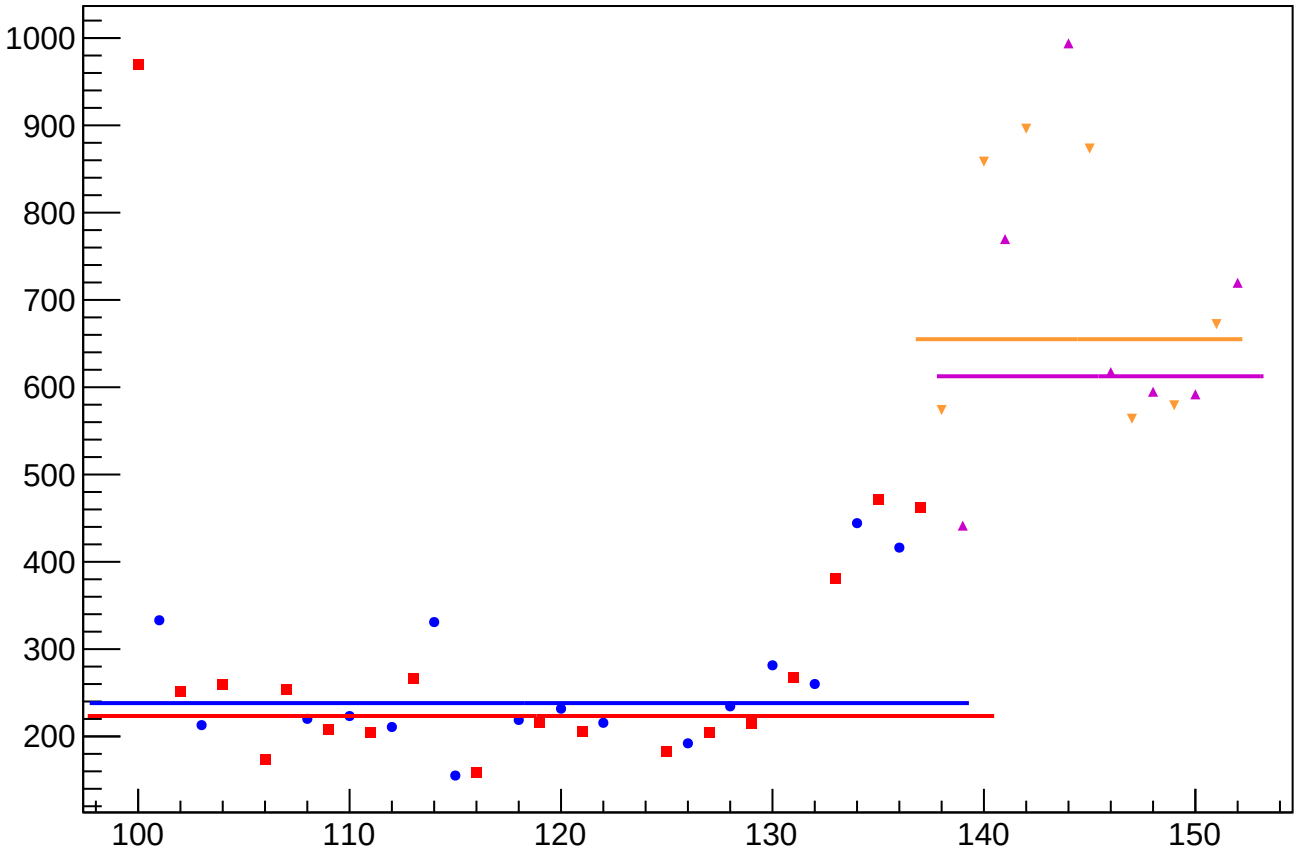
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.261+/-0.257 χ^2/NDF:9.2/6

+ sign -0.014+/-0.089 χ^2/NDF: 25.9/22

All: -0.036+/-0.062 χ^2/NDF: 62.2/47

- sign -0.056+/-0.085 χ^2/NDF: 36.2/24



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 655.029+/-0.205 χ^2/NDF:352992.6/6

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

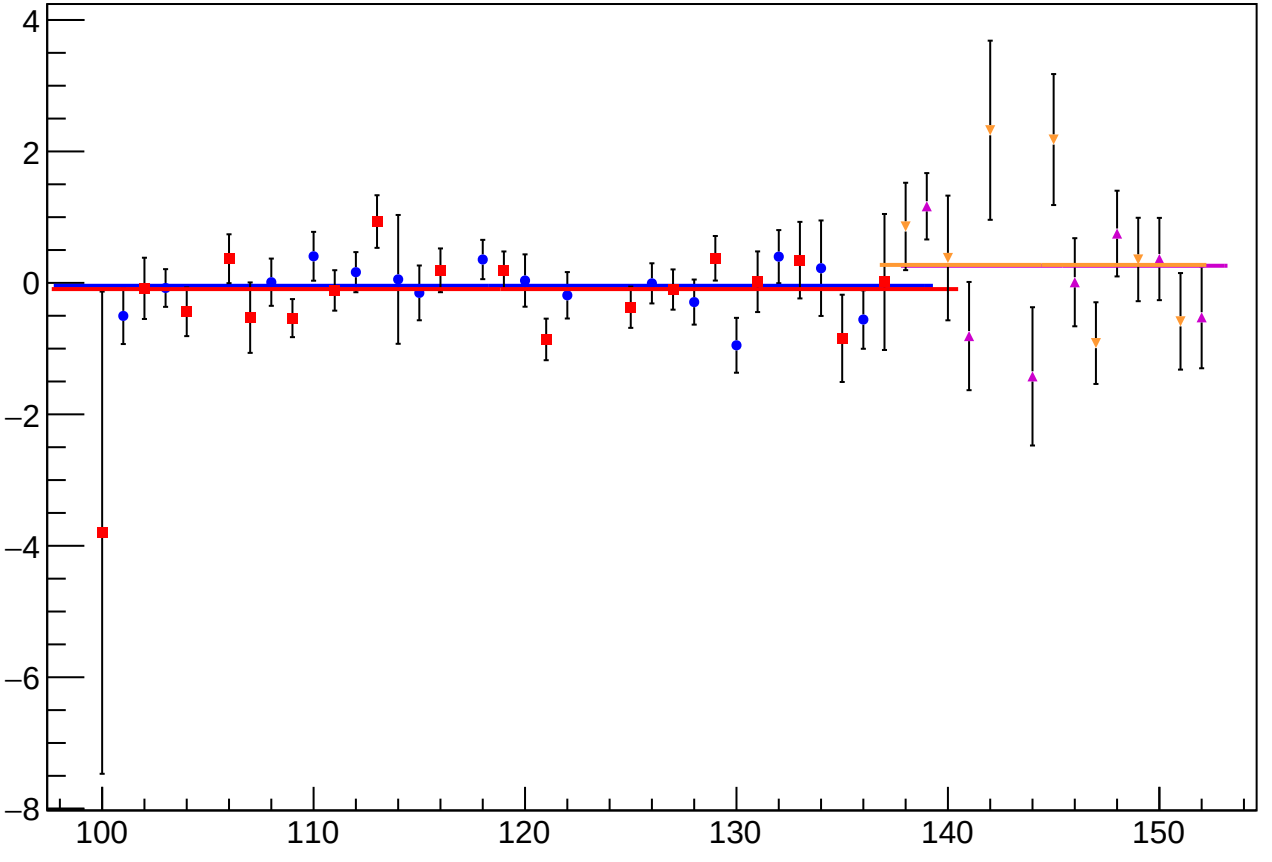
Left In: 612.564+/-0.182 χ^2/NDF:607275.5/6

+ sign 277.509+/-0.063 χ^2/NDF: 4888458.1/22

All: 271.375+/-0.044 χ^2/NDF: 10450023.6/47

- sign 265.815+/-0.060 χ^2/NDF: 5543562.9/24

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.274+/-0.291 χ^2/NDF:11.8/6

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

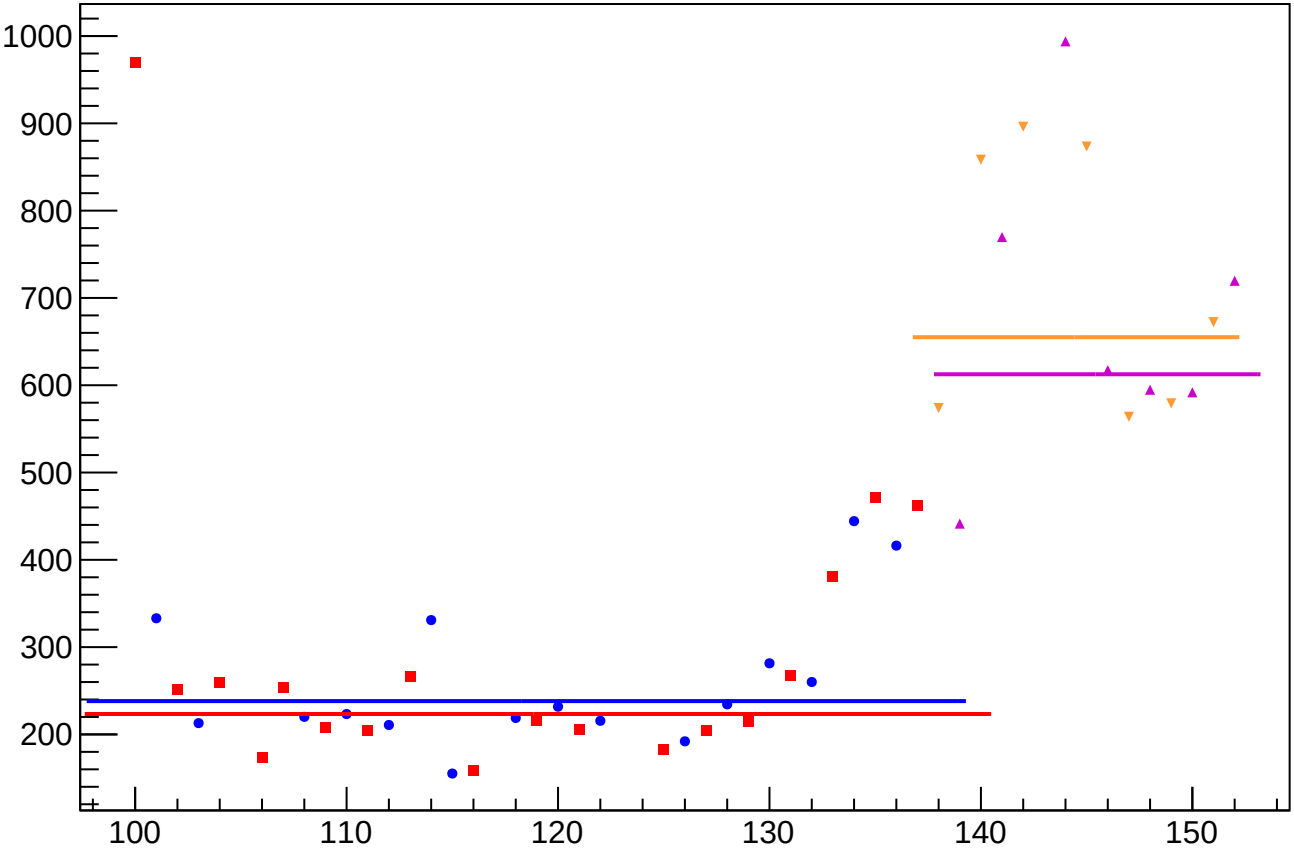
Left In: 0.261+/-0.257 χ^2/NDF:9.2/6

+ sign -0.014+/-0.089 χ^2/NDF: 25.9/22

All: -0.036+/-0.062 χ^2/NDF: 62.2/47

- sign -0.056+/-0.085 χ^2/NDF: 36.2/24

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 655.029+/-0.205 χ^2/NDF:352992.6/6

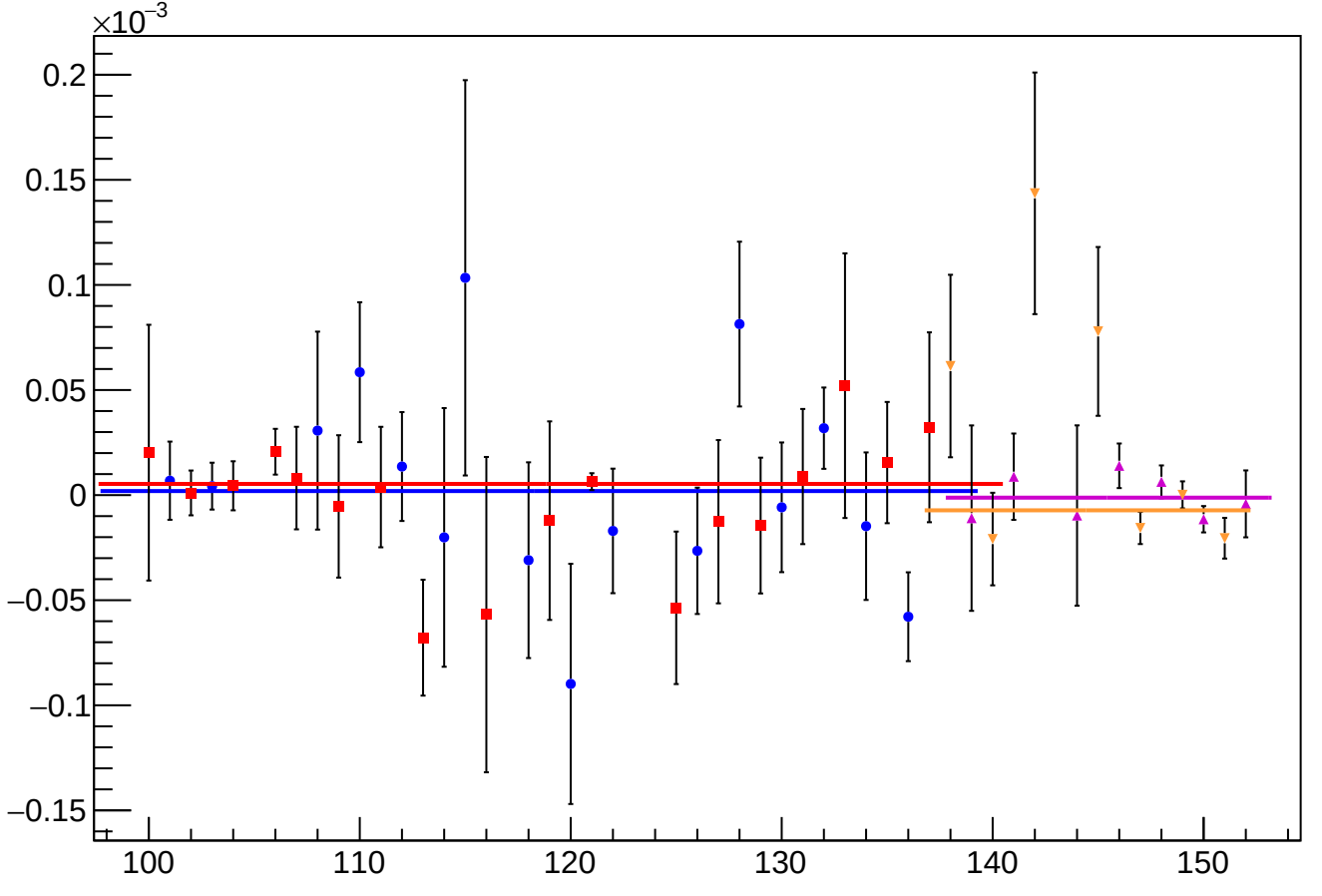
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 612.564+/-0.182 χ^2/NDF:607275.5/6

+ sign 277.509+/-0.063 χ^2/NDF: 4888458.1/22

All: 271.375+/-0.044 χ^2/NDF: 10450023.6/47

- sign 265.815+/-0.060 χ^2/NDF: 5543562.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/6

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

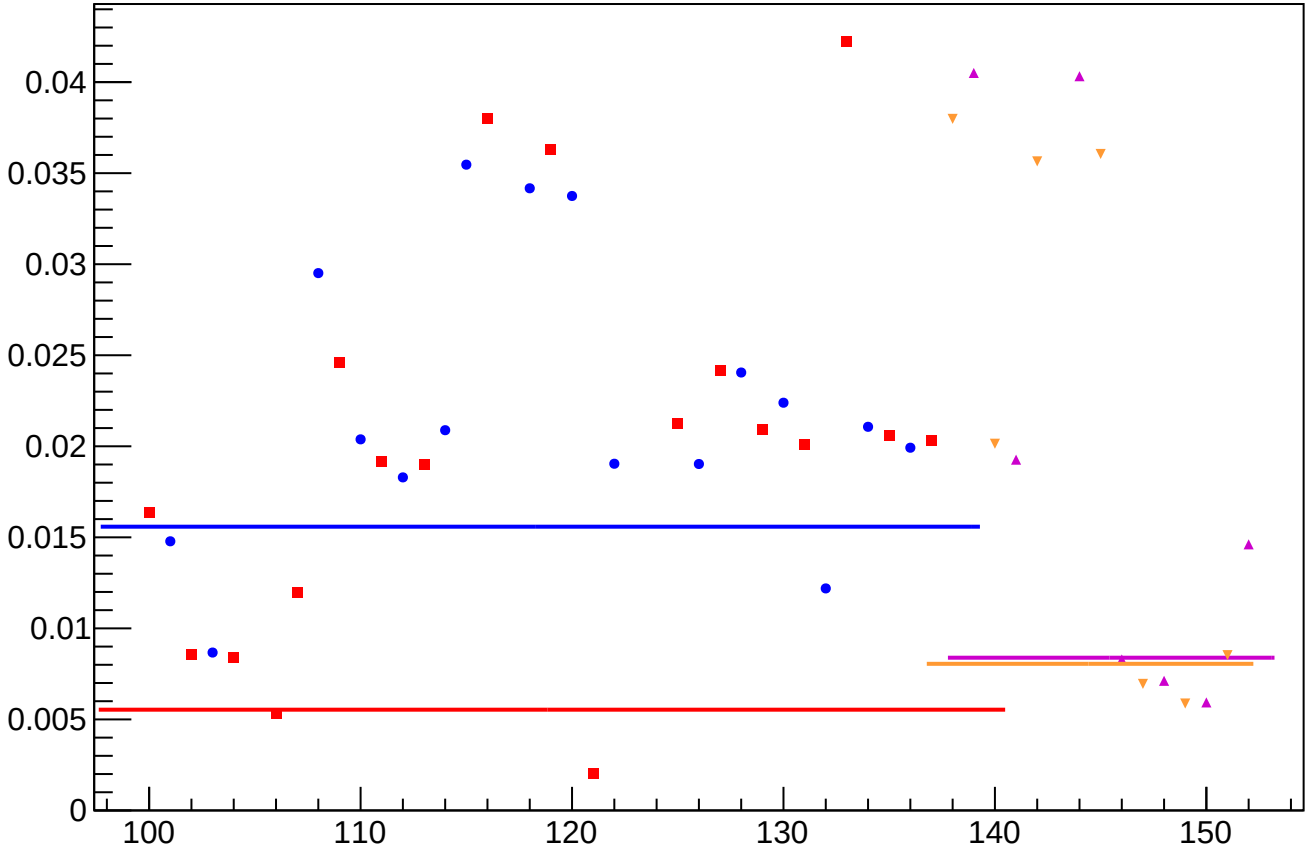
Left In: -0.000+/-0.000 χ^2/NDF:6.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 44.1/22

All: 0.000+/-0.000 χ^2/NDF: 69.1/47

- sign 0.000+/-0.000 χ^2/NDF: 22.1/24

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:3262602.1/6

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

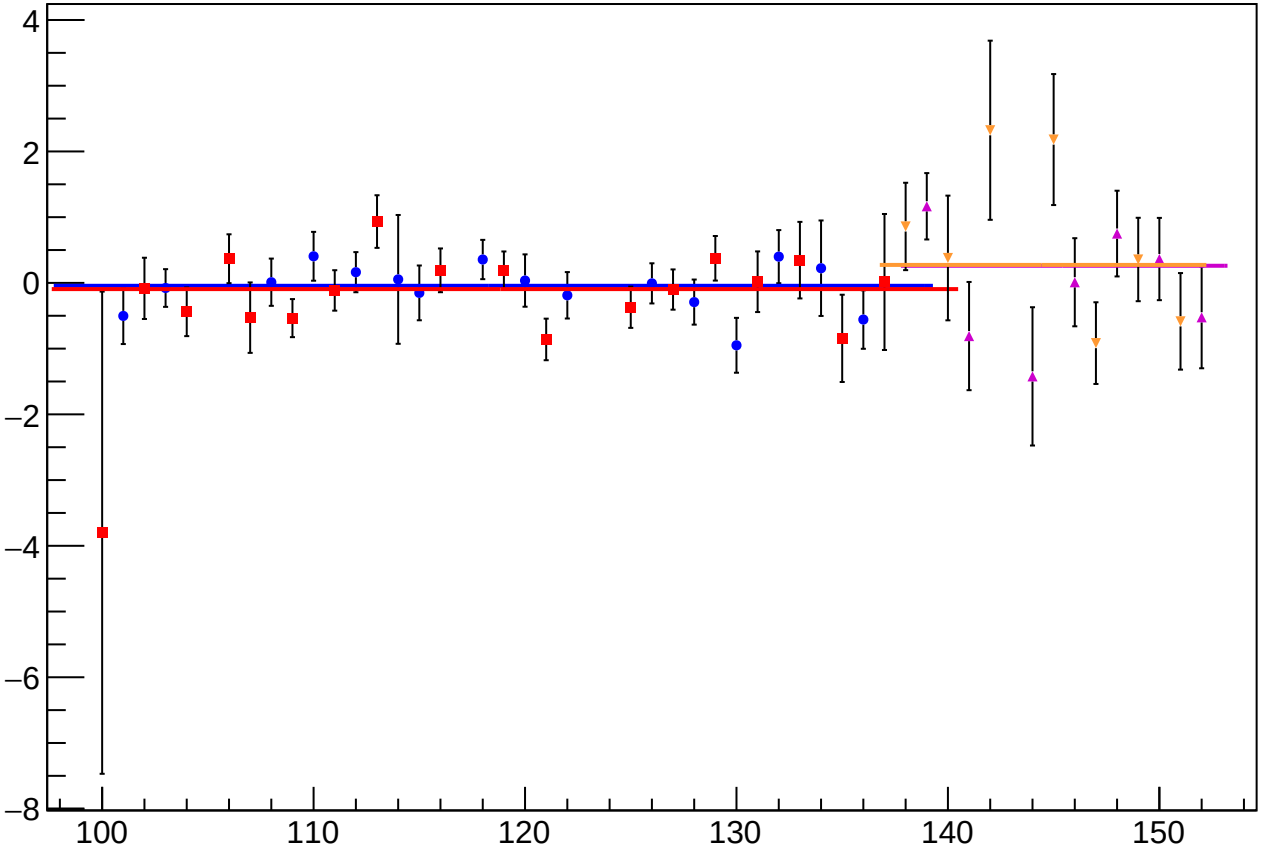
Left In: 0.008+/-0.000 χ^2/NDF:3395230.7/6

+ sign 0.010+/-0.000 χ^2/NDF: 7270248.4/22

All: 0.008+/-0.000 χ^2/NDF: 20716767.4/47

- sign 0.007+/-0.000 χ^2/NDF: 11944552.1/24

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.274+/-0.291 χ^2/NDF:11.8/6

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

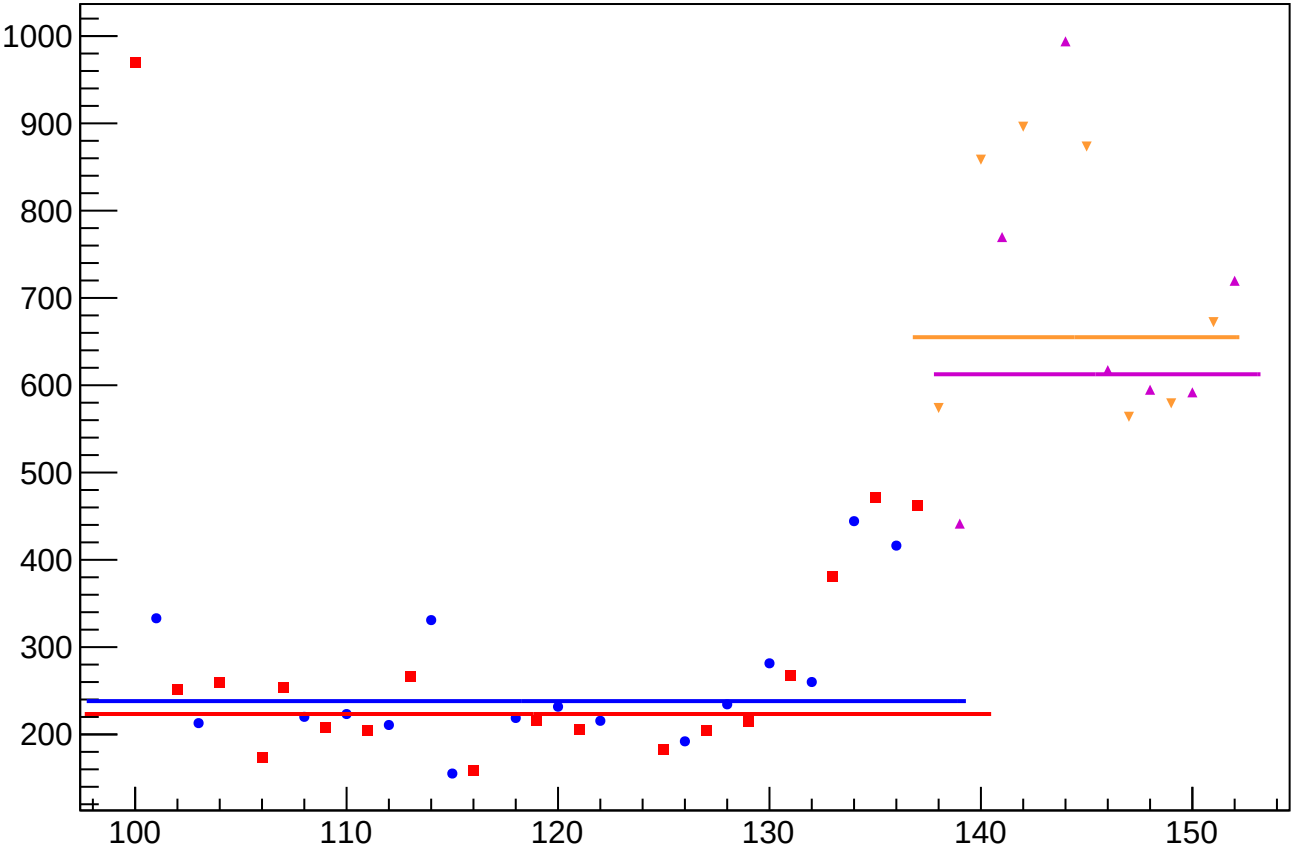
Left In: 0.261+/-0.257 χ^2/NDF:9.2/6

+ sign -0.014+/-0.089 χ^2/NDF: 25.9/22

All: -0.036+/-0.062 χ^2/NDF: 62.2/47

- sign -0.056+/-0.085 χ^2/NDF: 36.2/24

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 655.033+/-0.205 χ^2/NDF:353021.6/6

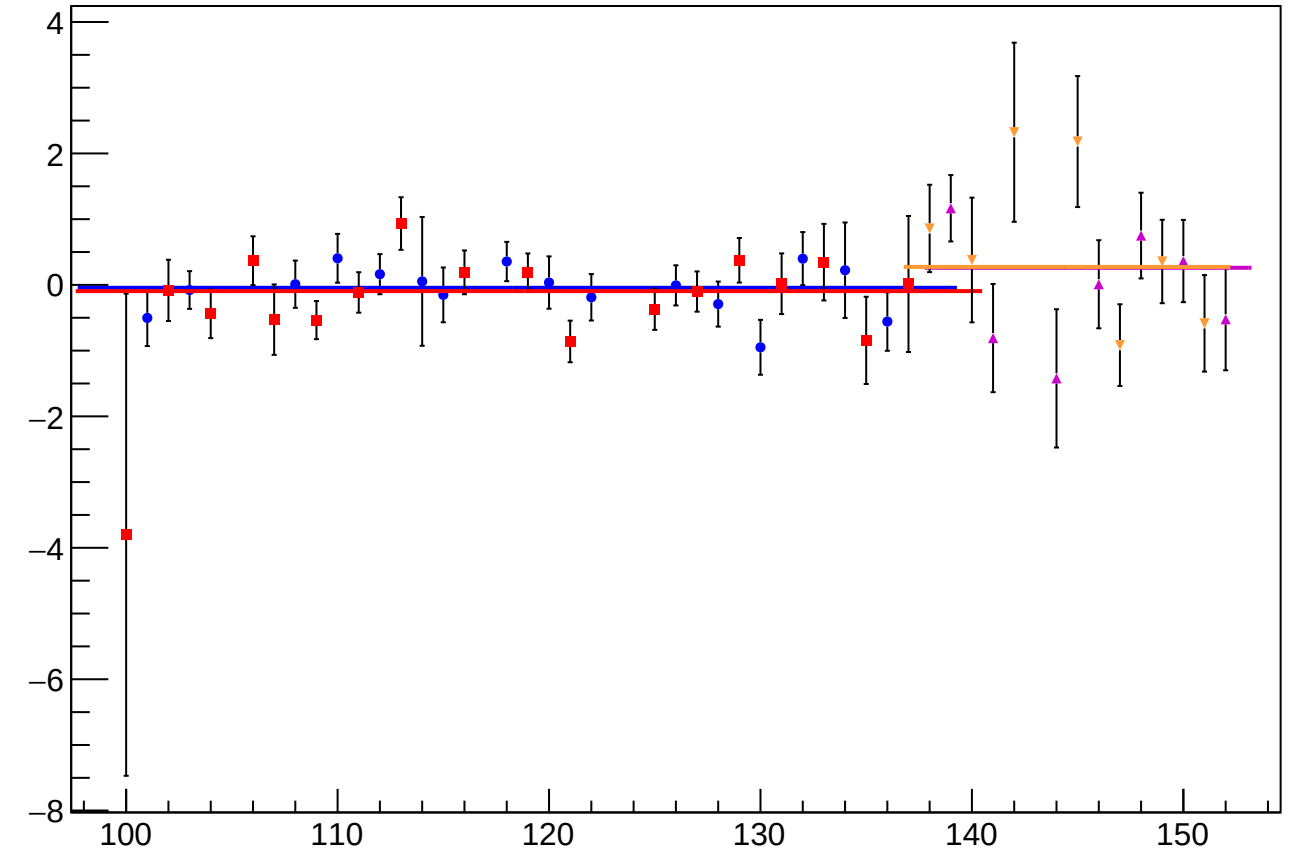
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 612.572+/-0.182 χ^2/NDF:607256.3/6

+ sign 277.509+/-0.063 χ^2/NDF: 4888460.7/22

All: 271.376+/-0.044 χ^2/NDF: 10449990.0/47

- sign 265.817+/-0.060 χ^2/NDF: 5543529.7/24



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.274+/-0.291 χ^2/NDF:11.8/6

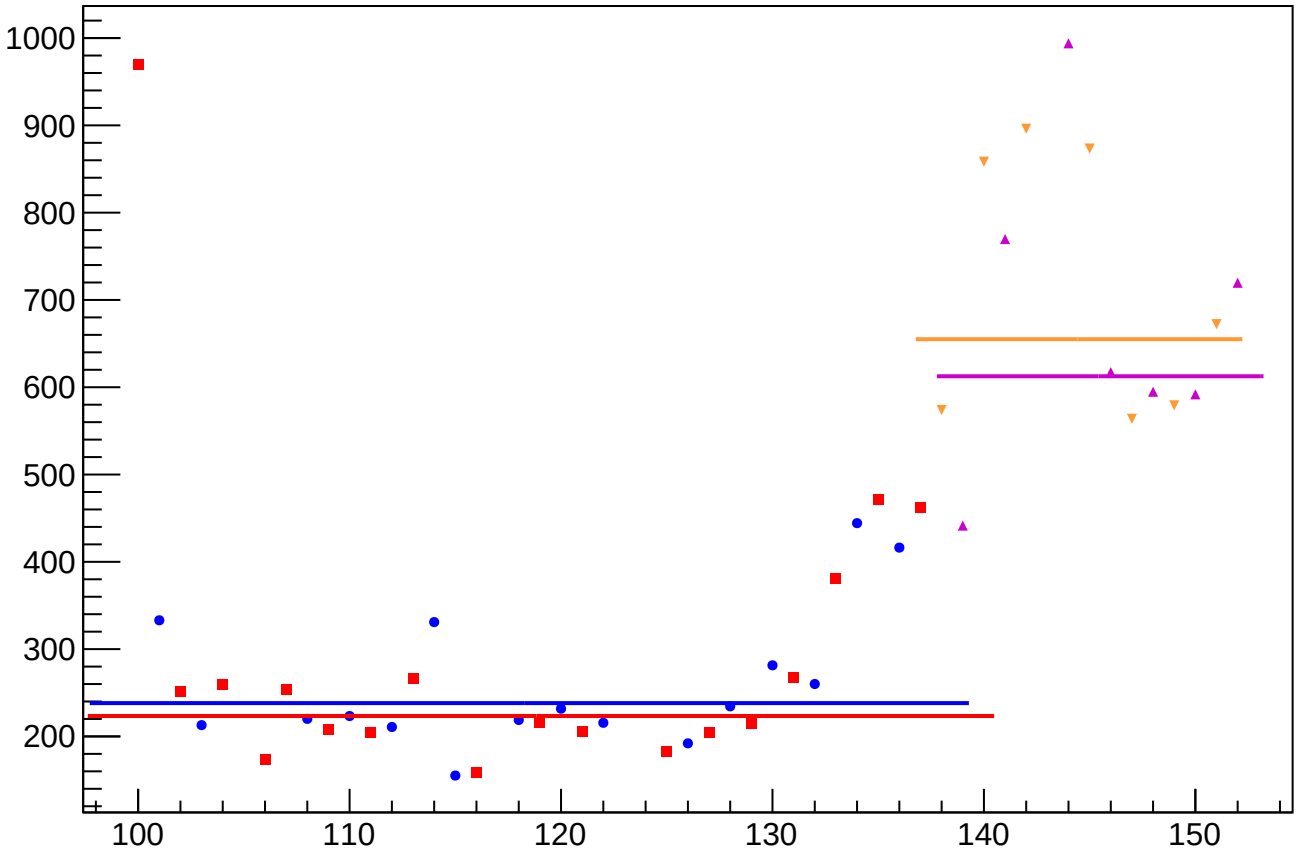
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.261+/-0.257 χ^2/NDF:9.2/6

+ sign -0.014+/-0.089 χ^2/NDF: 25.9/22

All: -0.036+/-0.062 χ^2/NDF: 62.2/47

- sign -0.056+/-0.085 χ^2/NDF: 36.2/24



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 655.033+/-0.205 χ^2/NDF:353021.6/6

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

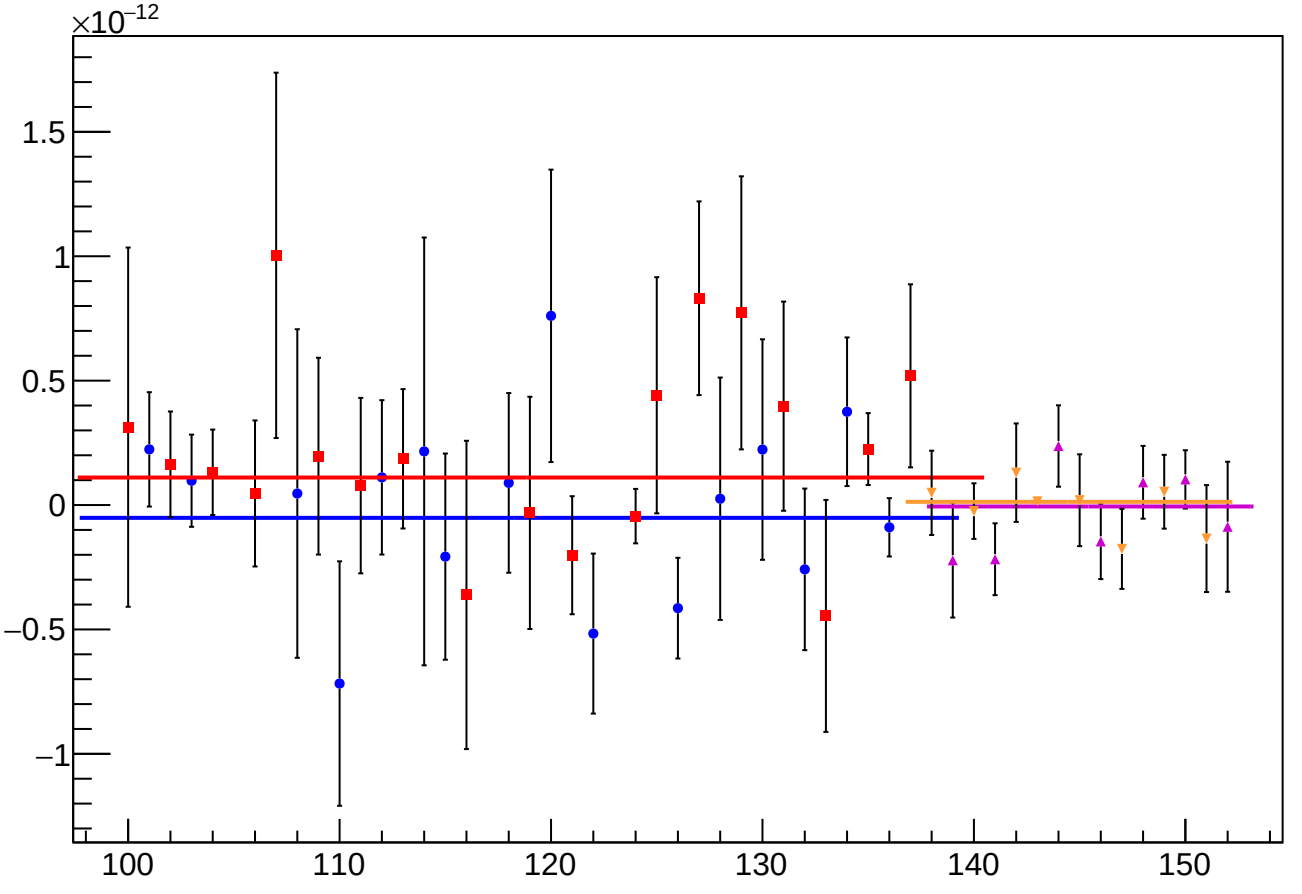
Left In: 612.572+/-0.182 χ^2/NDF:607256.3/6

+ sign 277.509+/-0.063 χ^2/NDF: 4888460.7/22

All: 271.376+/-0.044 χ^2/NDF: 10449990.0/47

- sign 265.817+/-0.060 χ^2/NDF: 5543529.7/24

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:2.4/7

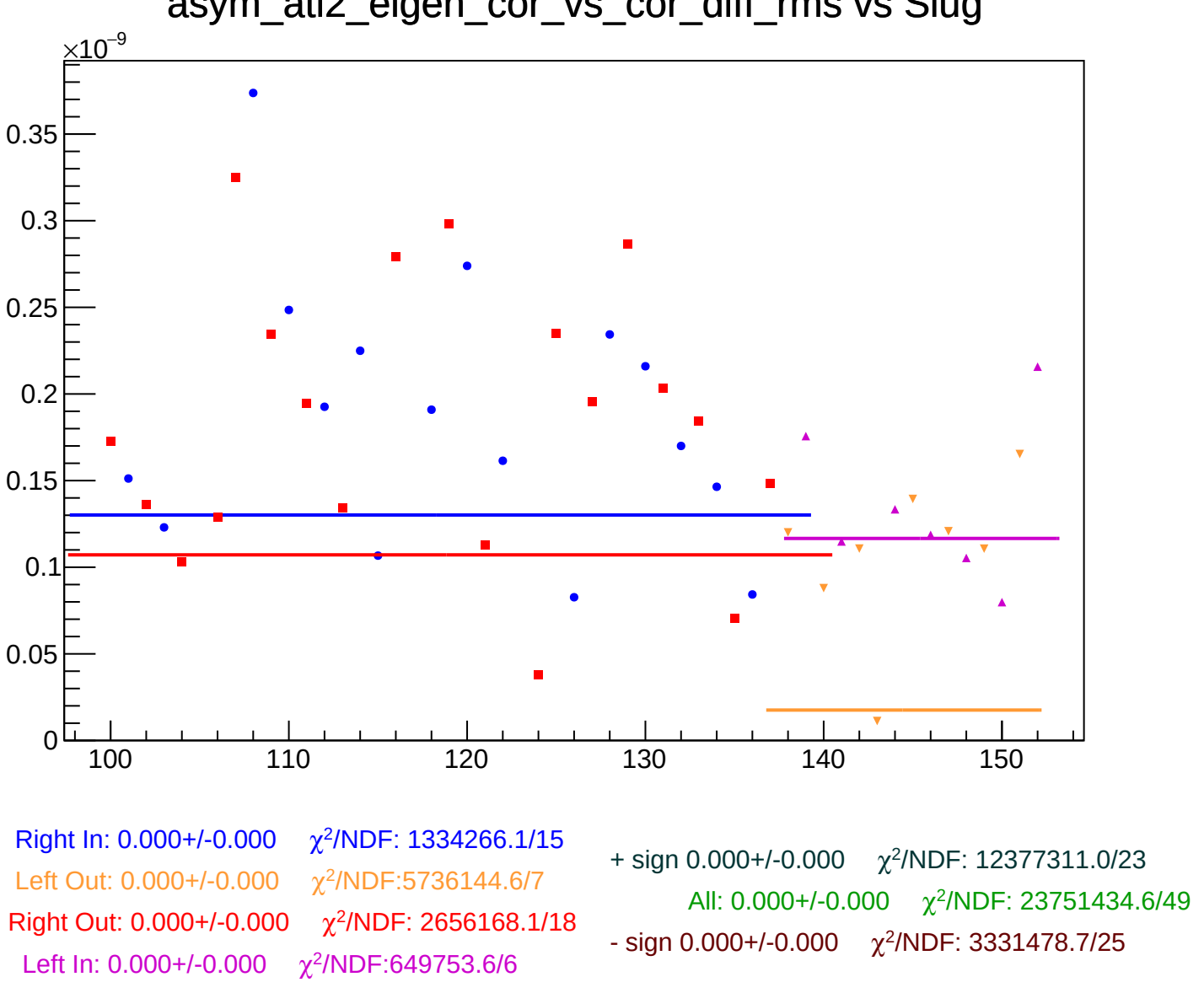
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/6

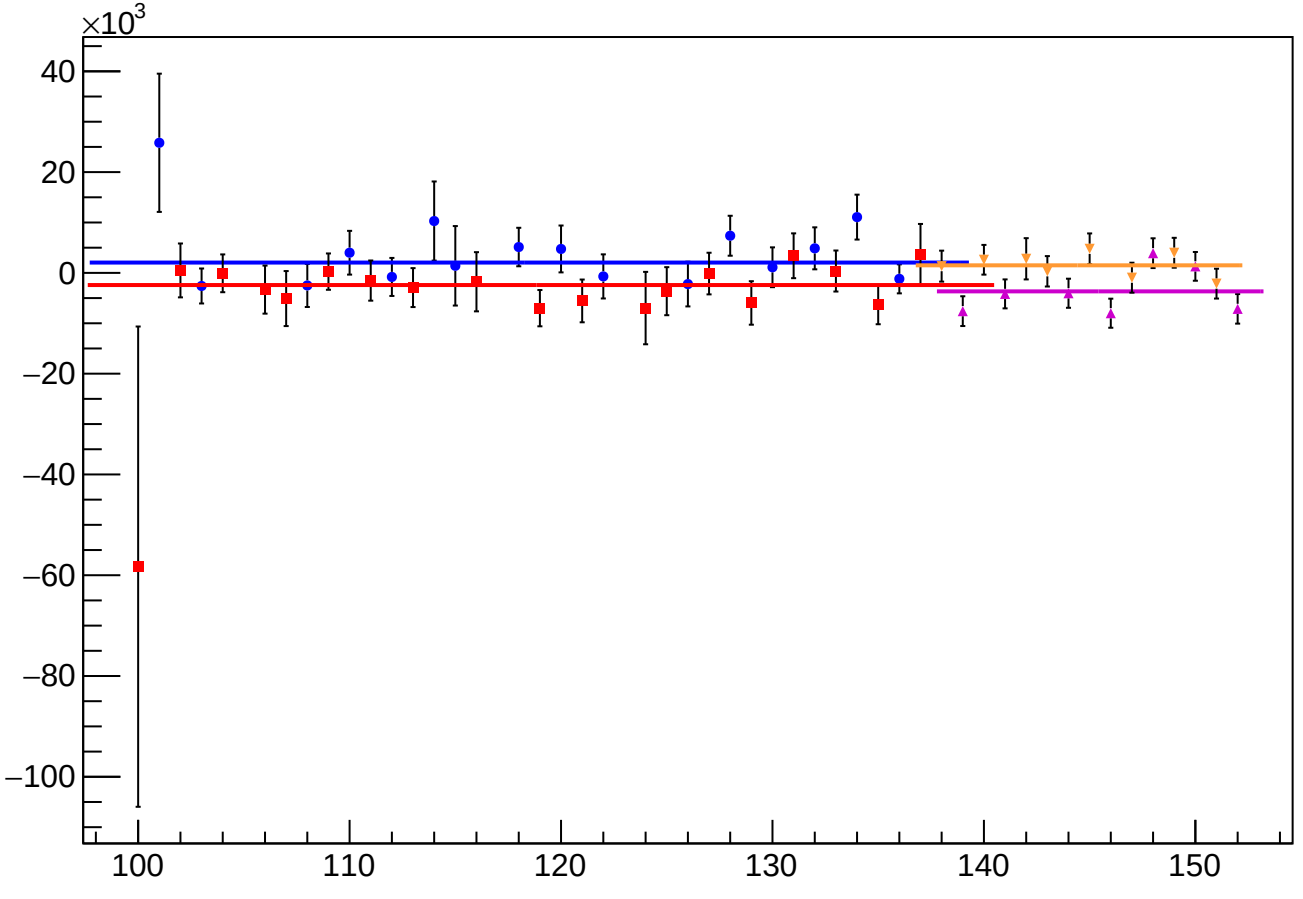
+ sign 0.000+/-0.000 χ^2/NDF: 18.1/23

All: 0.000+/-0.000 χ^2/NDF: 43.8/49

- sign 0.000+/-0.000 χ^2/NDF: 24.8/25


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:5736144.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:649753.6/6
+ sign 0.000+/-0.000 χ²/NDF: 12377311.0/23
All: 0.000+/-0.000 χ²/NDF: 23751434.6/49
- sign 0.000+/-0.000 χ²/NDF: 3331478.7/25

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1501.004+/-1092.136 χ^2/NDF:4.4/7

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

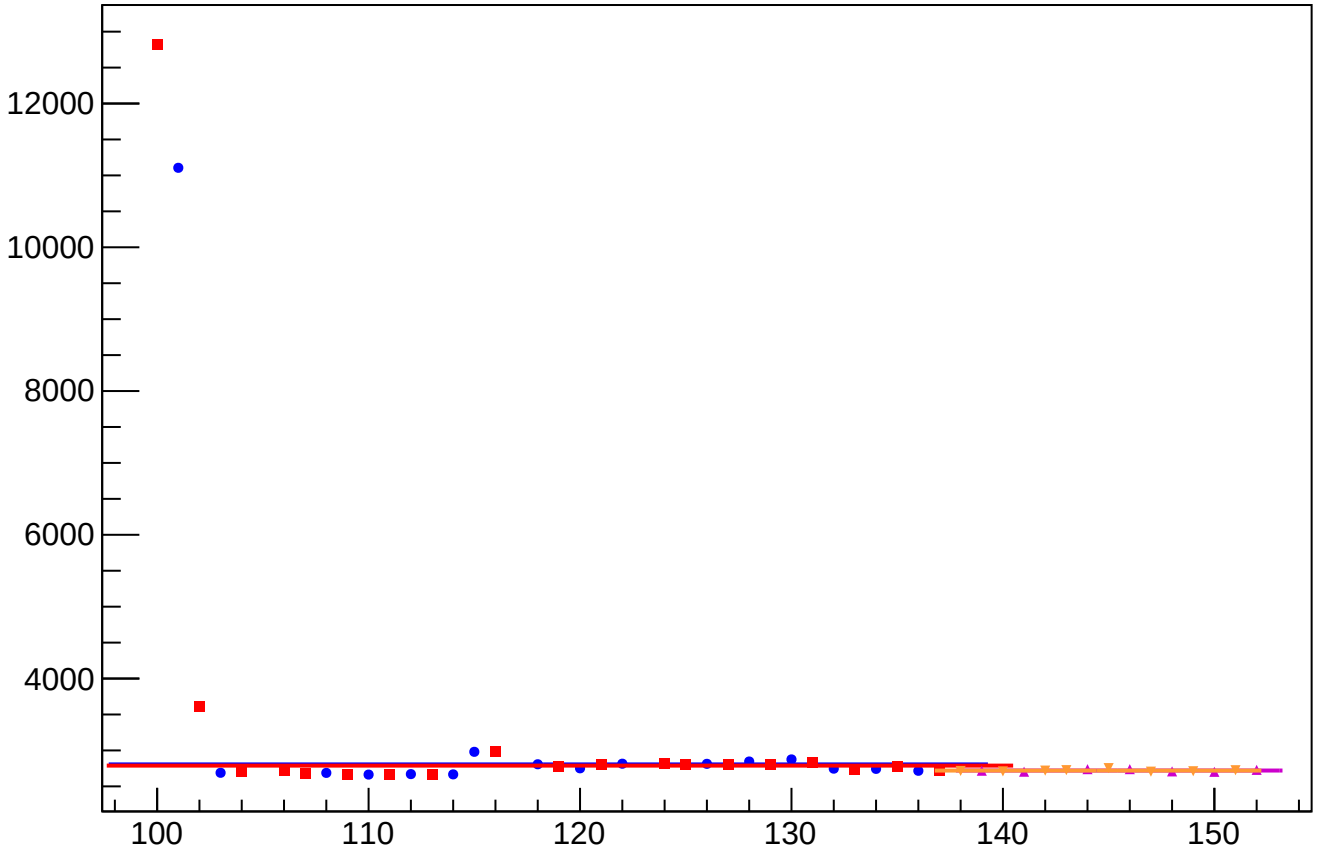
Left In: -3668.428+/-1097.880 χ^2/NDF:15.1/6

+ sign 1780.762+/-764.454 χ^2/NDF: 22.4/23

All: -646.530+/-536.559 χ^2/NDF: 68.8/49

- sign -3003.415+/-753.286 χ^2/NDF: 26.5/25

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2719.862+/-0.772 χ^2/NDF:370.0/7

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

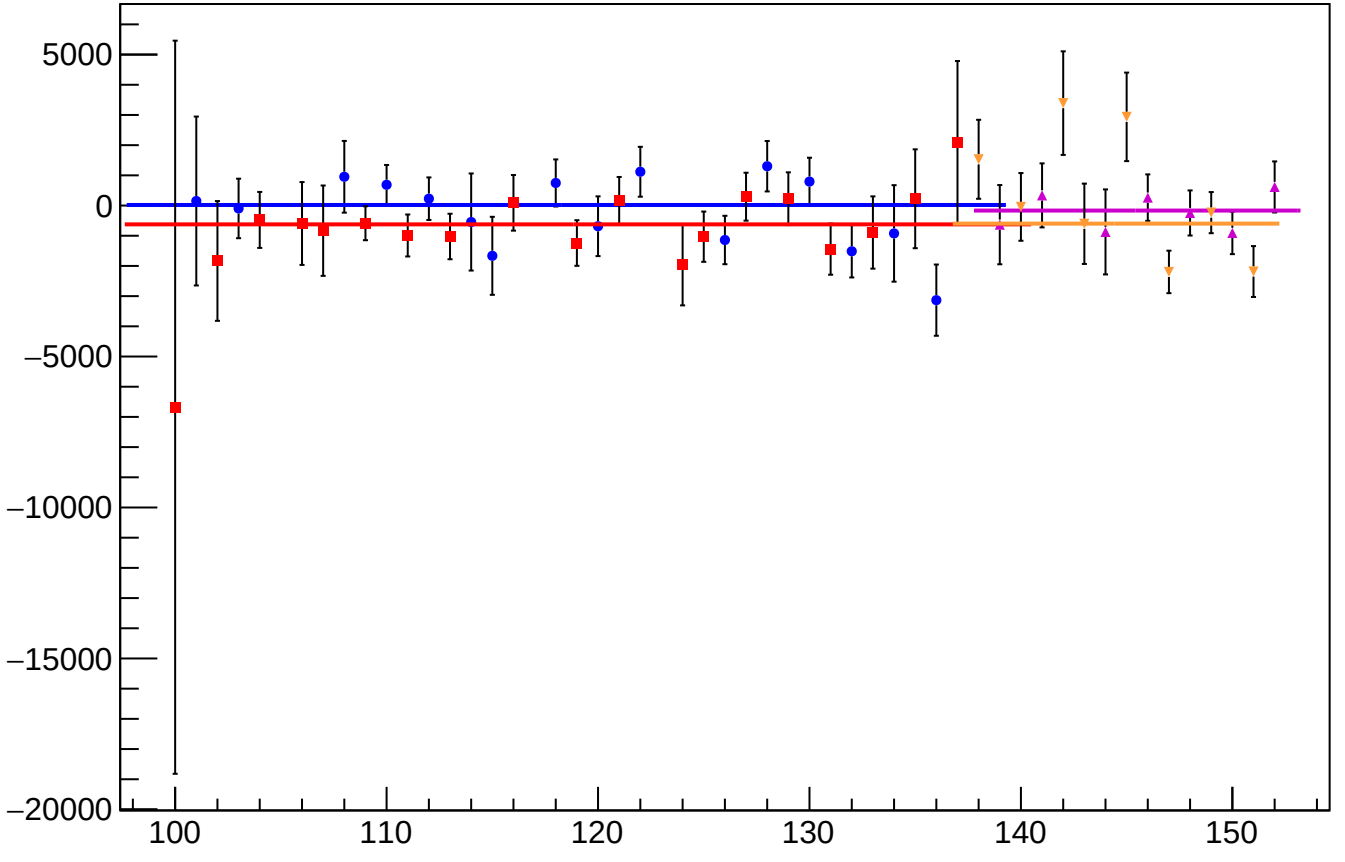
Left In: 2720.310+/-0.776 χ^2/NDF:373.3/6

+ sign 2763.514+/-0.541 χ^2/NDF: 752874.9/23

All: 2759.990+/-0.379 χ^2/NDF: 904452.0/49

- sign 2756.568+/-0.533 χ^2/NDF: 151493.3/25

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -598.878+/-346.328 χ^2/NDF:23.1/7

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

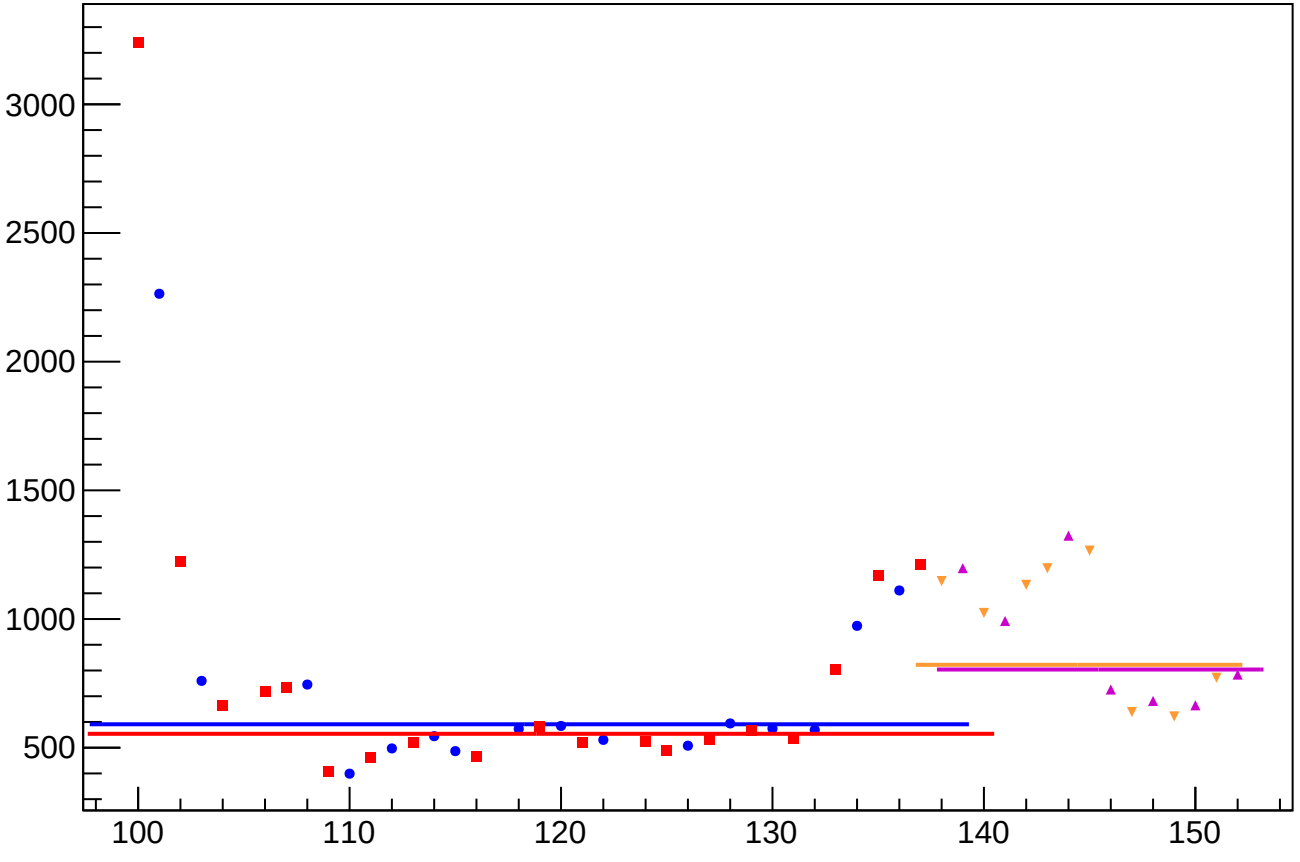
Left In: -165.965+/-335.479 χ^2/NDF:2.9/6

+ sign -174.087+/-193.597 χ^2/NDF: 48.1/23

All: -341.716+/-132.441 χ^2/NDF: 63.0/49

- sign -489.182+/-181.581 χ^2/NDF: 13.5/25

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 822.109+/-0.245 χ^2/NDF:913078.4/7

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

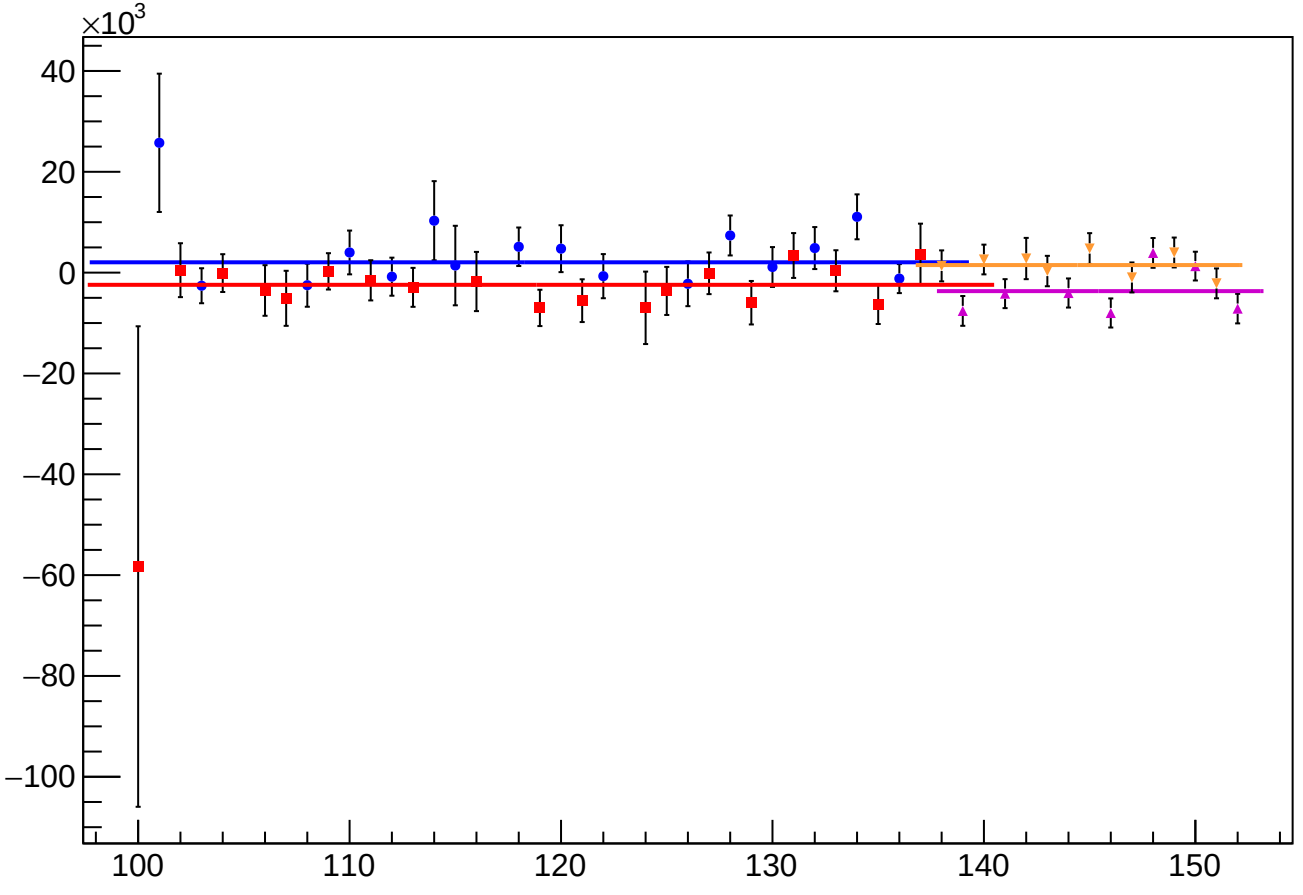
Left In: 803.781+/-0.237 χ^2/NDF:669538.6/6

+ sign 663.245+/-0.137 χ^2/NDF: 3092838.7/23

All: 644.050+/-0.094 χ^2/NDF: 5700265.9/49

- sign 627.163+/-0.128 χ^2/NDF: 2570469.0/25

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1501.091+/-1092.136 χ^2/NDF:4.4/7

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

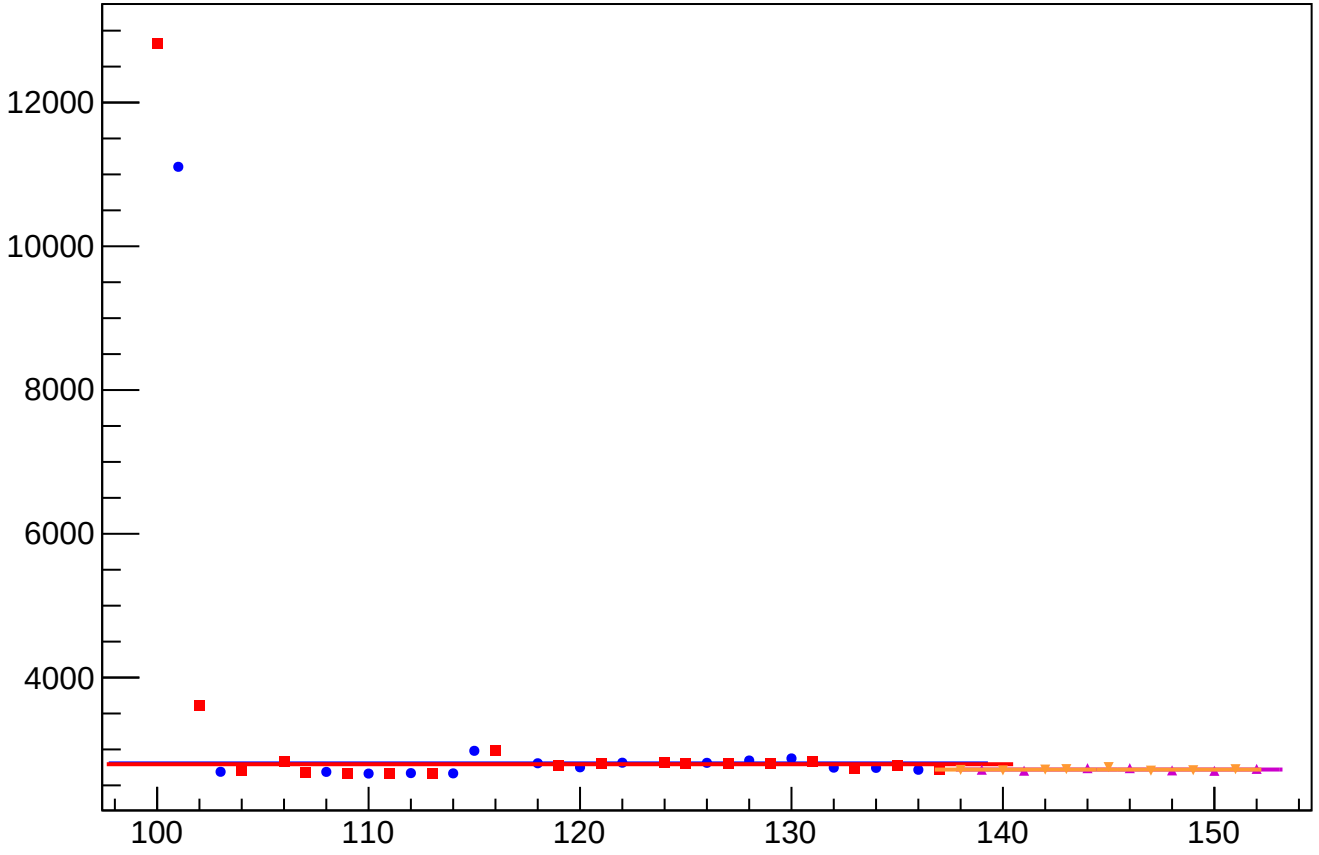
Left In: -3668.690+/-1097.880 χ^2/NDF:15.1/6

+ sign 1780.394+/-764.454 χ^2/NDF: 22.3/23

All: -646.215+/-536.890 χ^2/NDF: 68.8/49

- sign -3008.175+/-754.202 χ^2/NDF: 26.5/25

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2719.862+/-0.772 χ^2/NDF:370.0/7

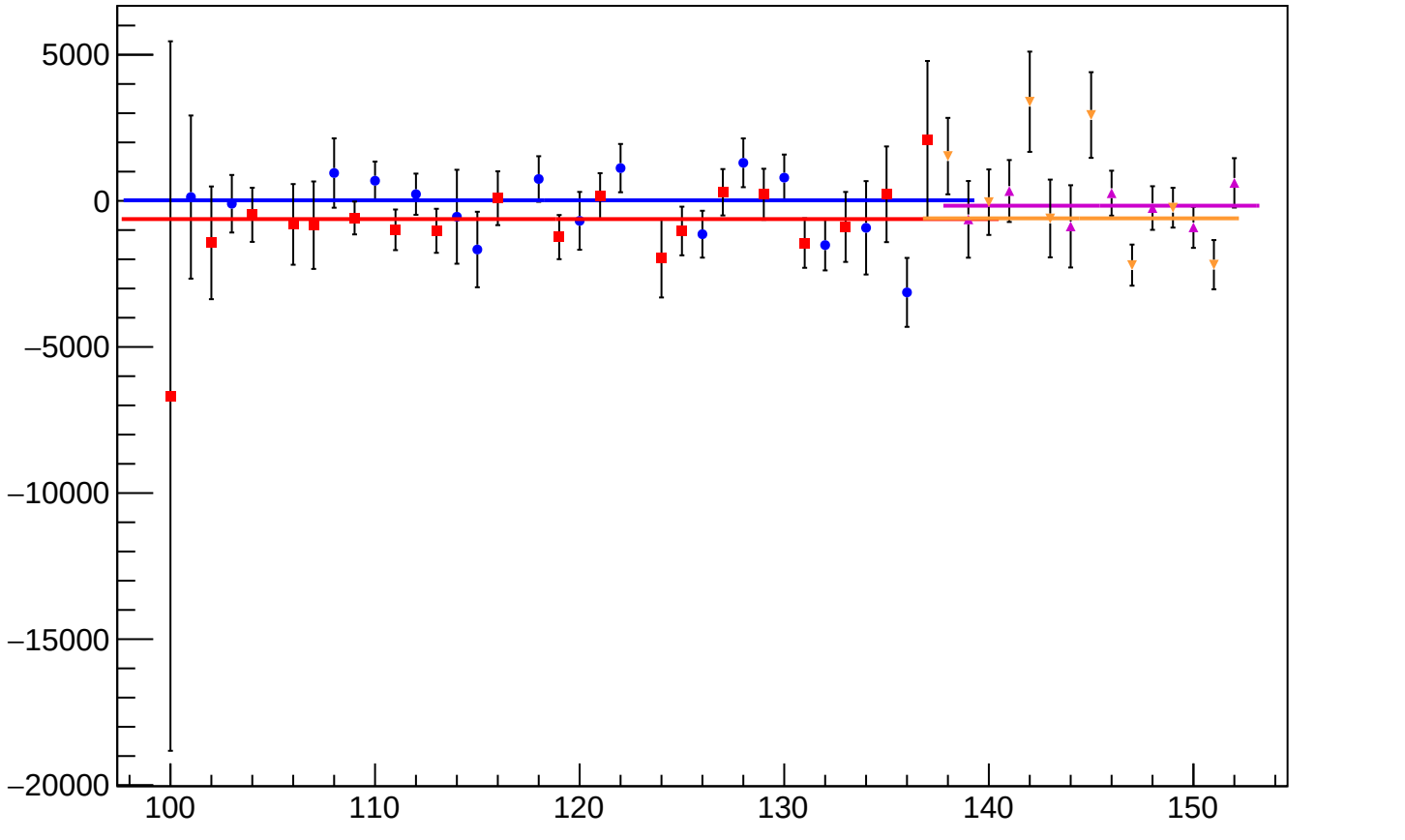
Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2720.310+/-0.776 χ^2/NDF:373.3/6

+ sign 2763.514+/-0.541 χ^2/NDF: 752874.1/23

All: 2761.382+/-0.380 χ^2/NDF: 904800.7/49

- sign 2759.308+/-0.533 χ^2/NDF: 151896.0/25



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -598.830+/-346.326 χ^2/NDF:23.1/7

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

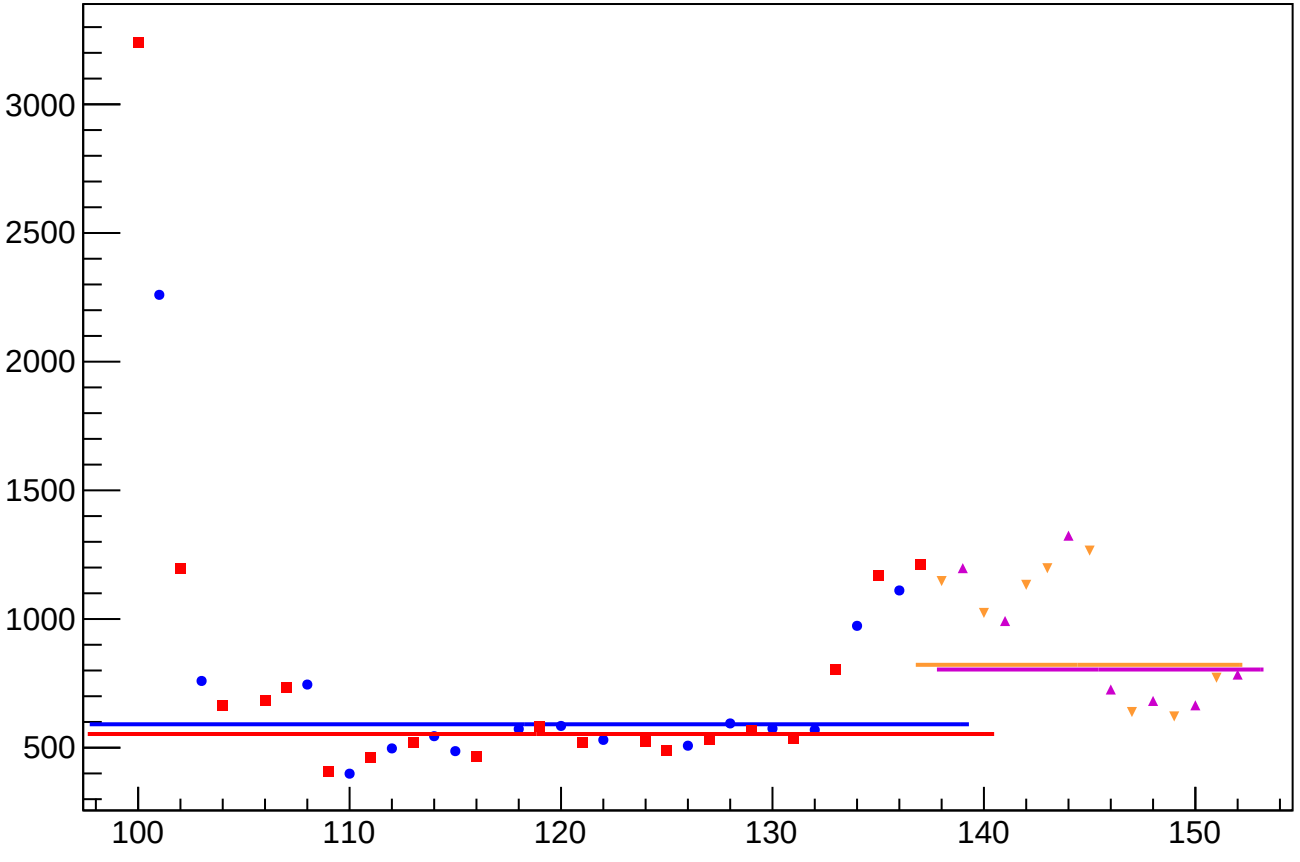
Left In: -166.208+/-335.479 χ^2/NDF:2.9/6

+ sign -174.088+/-193.590 χ^2/NDF: 48.1/23

All: -342.211+/-132.429 χ^2/NDF: 62.8/49

- sign -490.079+/-181.554 χ^2/NDF: 13.3/25

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 822.102+/-0.245 χ^2/NDF:913085.7/7

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

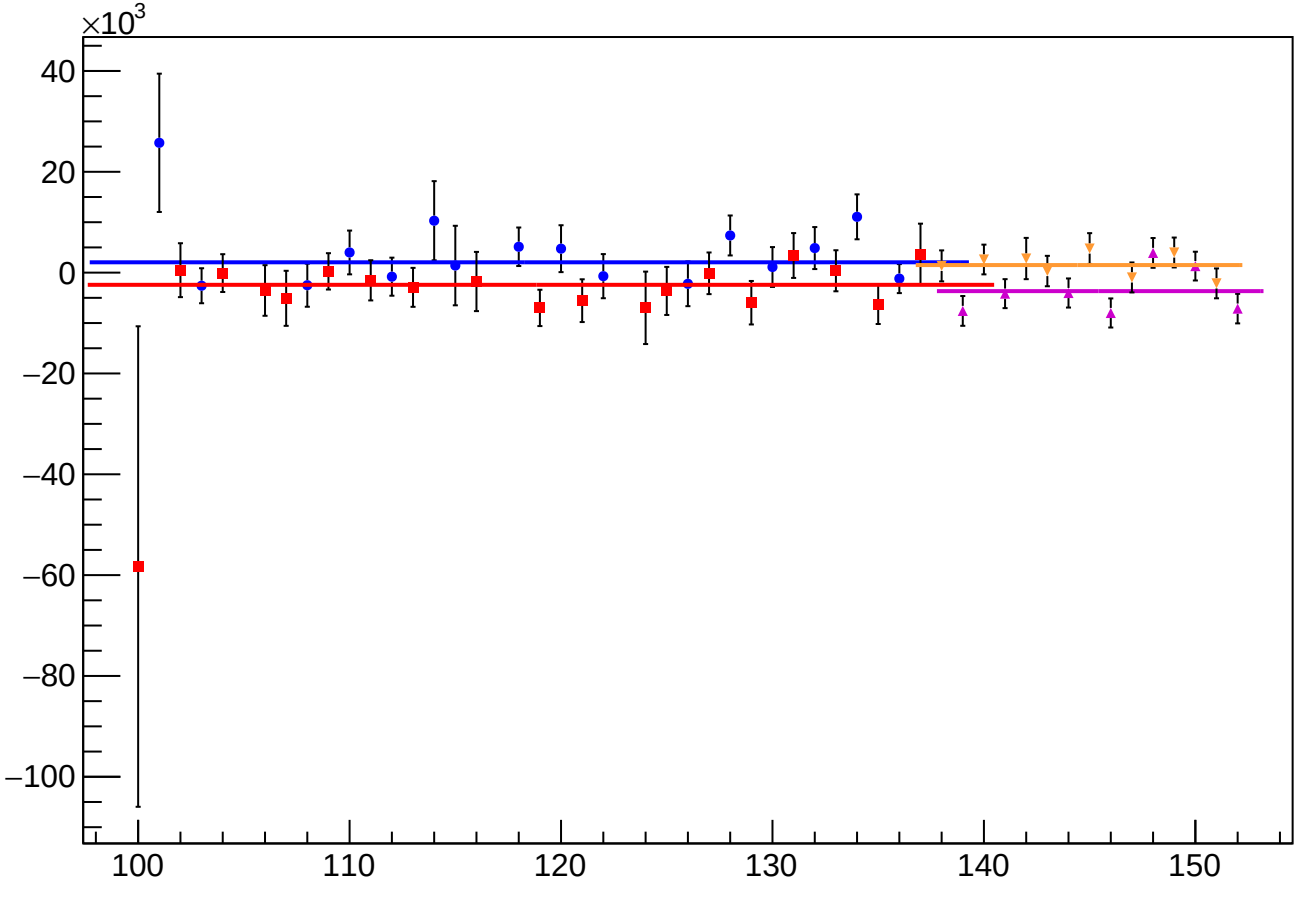
Left In: 803.781+/-0.237 χ^2/NDF:669529.3/6

+ sign 663.237+/-0.137 χ^2/NDF: 3091811.9/23

All: 643.750+/-0.094 χ^2/NDF: 5689903.8/49

- sign 626.612+/-0.128 χ^2/NDF: 2560003.9/25

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1501.091+/-1092.136 χ^2/NDF:4.4/7

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

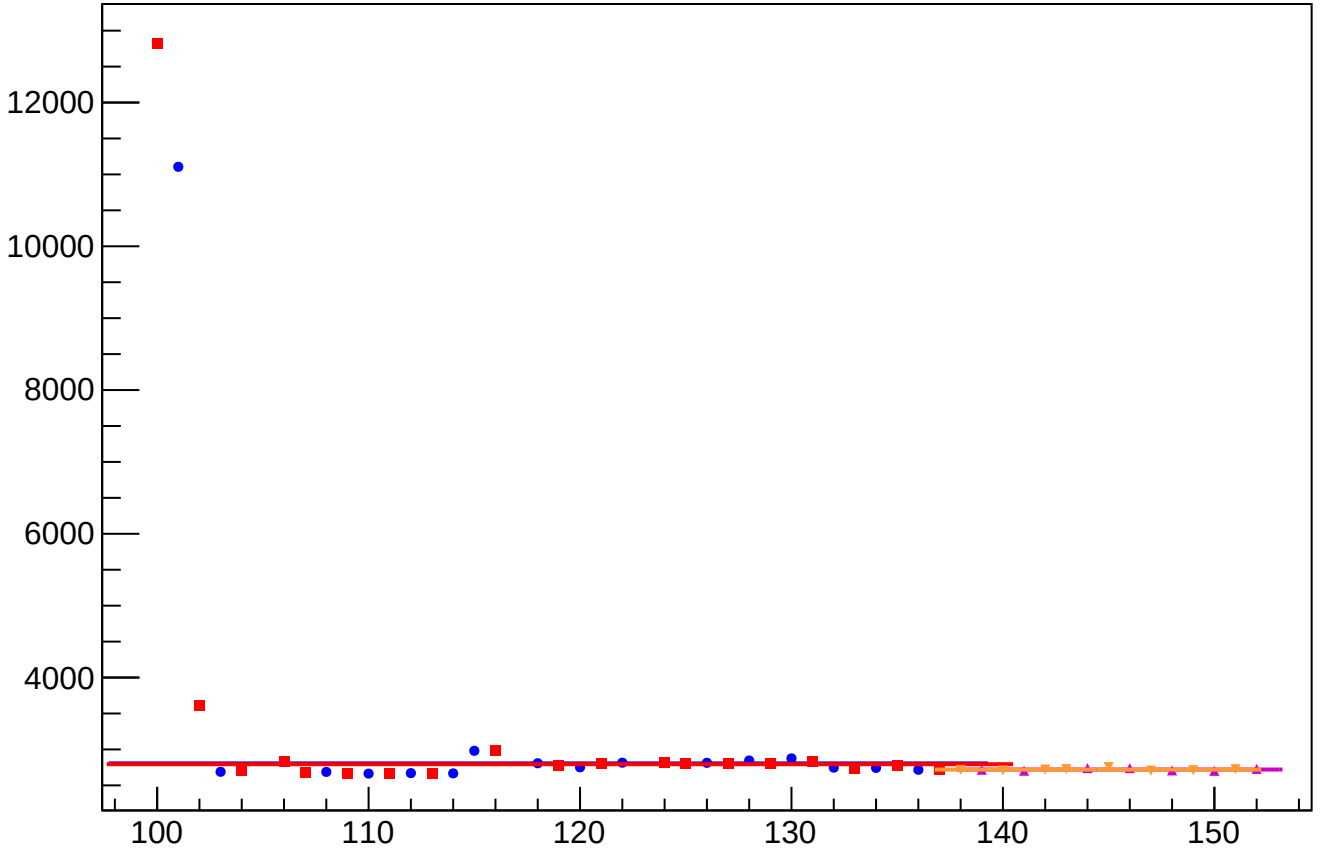
Left In: -3668.690+/-1097.880 χ^2/NDF:15.1/6

+ sign 1780.394+/-764.454 χ^2/NDF: 22.3/23

All: -646.215+/-536.890 χ^2/NDF: 68.8/49

- sign -3008.175+/-754.202 χ^2/NDF: 26.5/25

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2719.862+/-0.772 χ^2/NDF:370.0/7

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

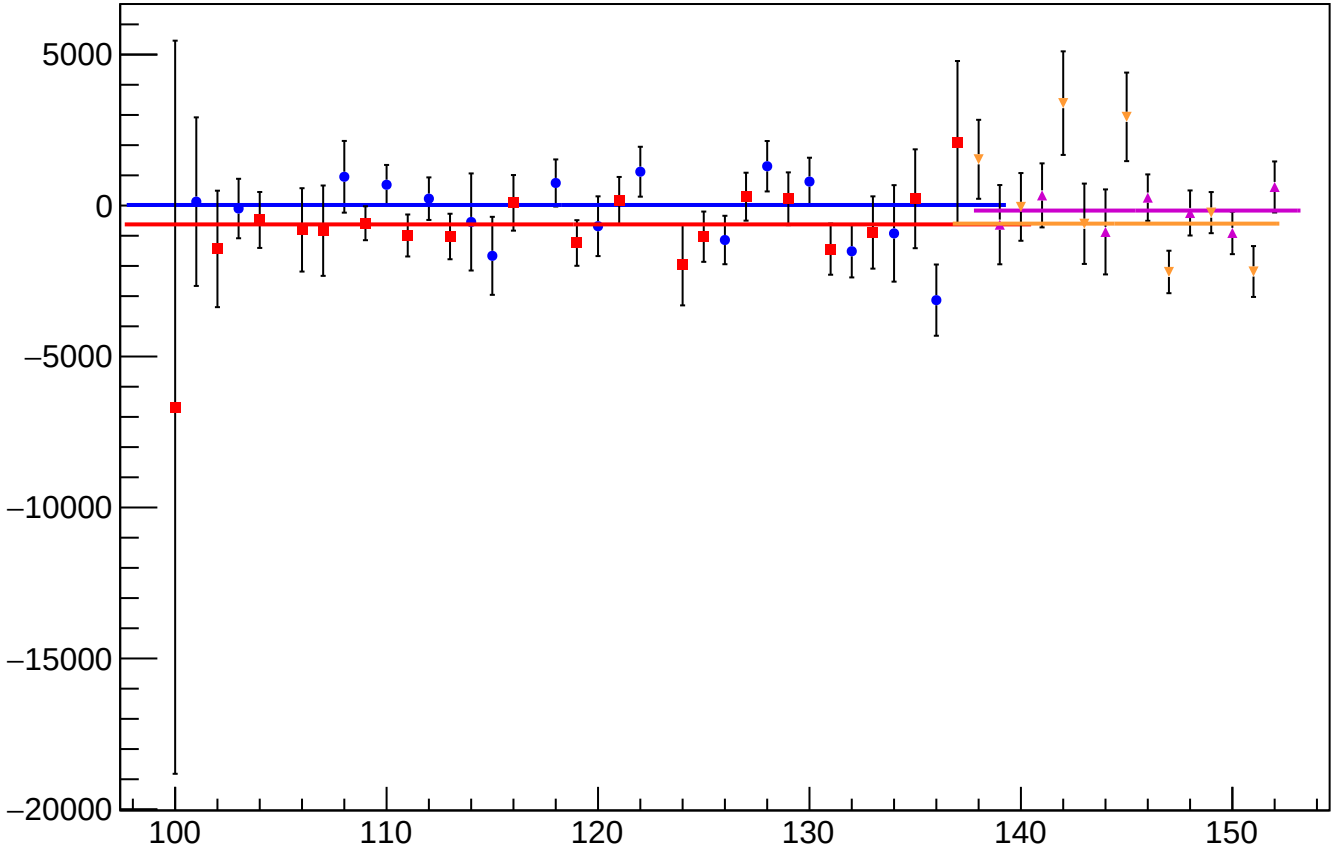
Left In: 2720.310+/-0.776 χ^2/NDF:373.3/6

+ sign 2763.514+/-0.541 χ^2/NDF: 752874.1/23

All: 2761.382+/-0.380 χ^2/NDF: 904800.7/49

- sign 2759.308+/-0.533 χ^2/NDF: 151896.0/25

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -598.830+/-346.326 χ^2/NDF:23.1/7

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

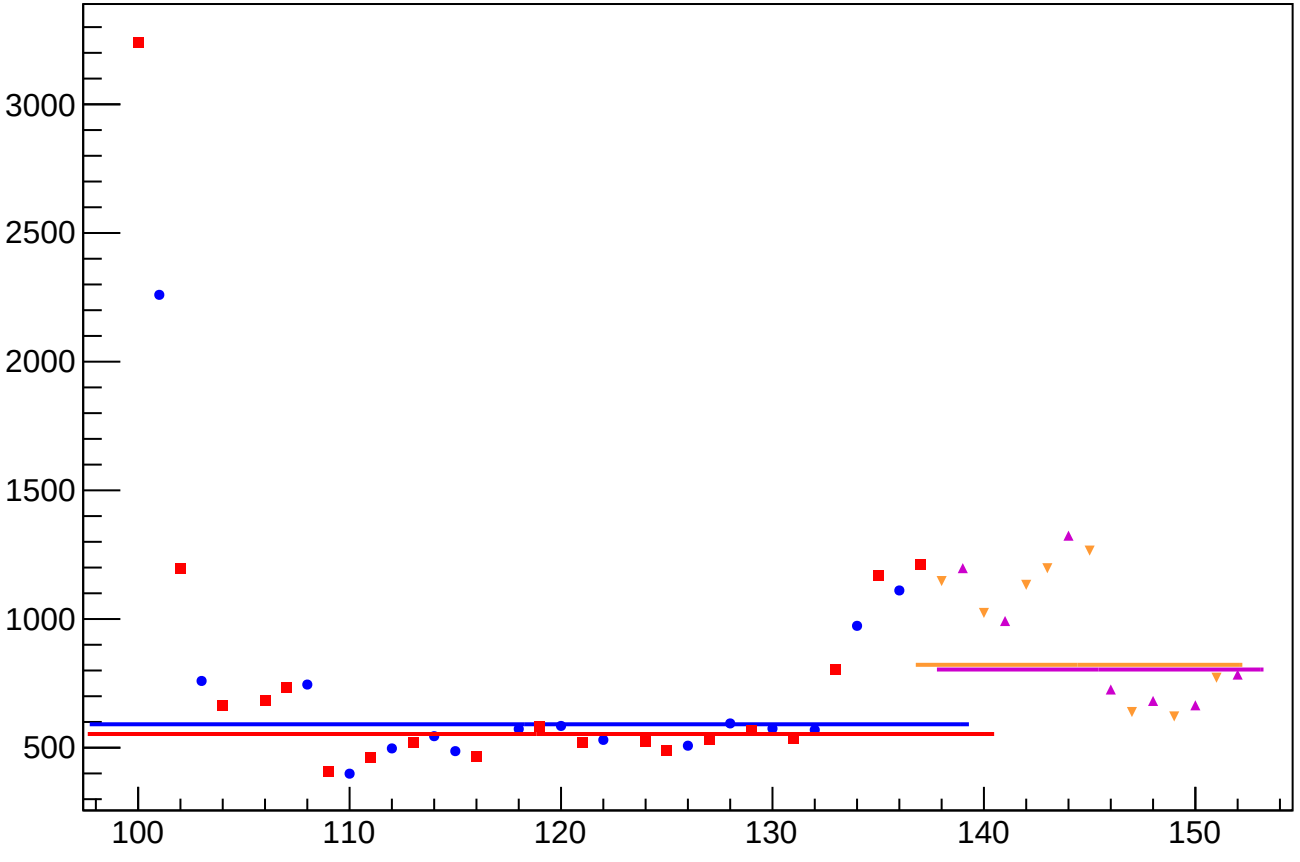
Left In: -166.208+/-335.479 χ^2/NDF:2.9/6

+ sign -174.088+/-193.590 χ^2/NDF: 48.1/23

All: -342.211+/-132.429 χ^2/NDF: 62.8/49

- sign -490.079+/-181.554 χ^2/NDF: 13.3/25

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 822.102+/-0.245 χ^2/NDF:913085.7/7

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

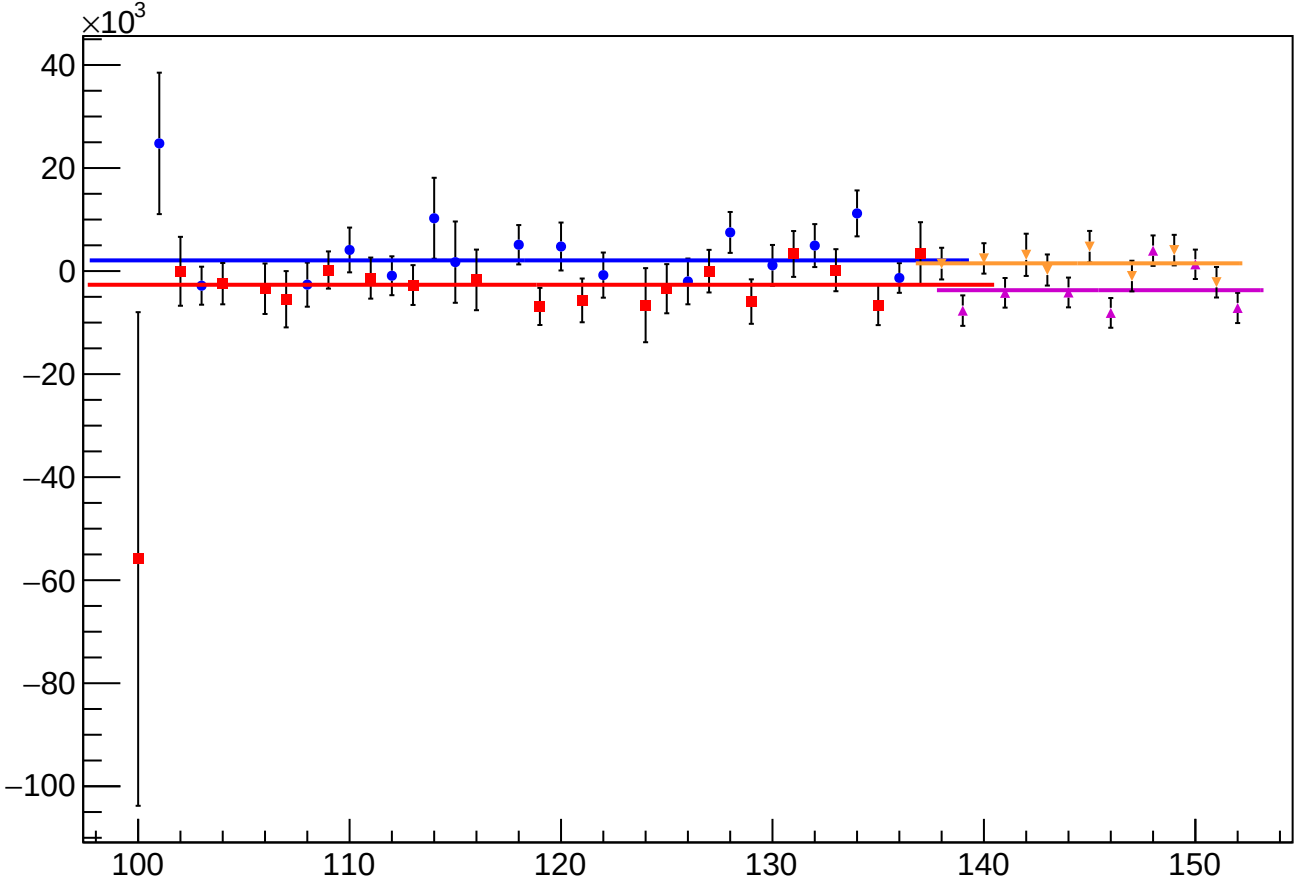
Left In: 803.781+/-0.237 χ^2/NDF:669529.3/6

+ sign 663.237+/-0.137 χ^2/NDF: 3091811.9/23

All: 643.750+/-0.094 χ^2/NDF: 5689903.8/49

- sign 626.612+/-0.128 χ^2/NDF: 2560003.9/25

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1503.740+/-1092.965 χ^2/NDF:4.5/7

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

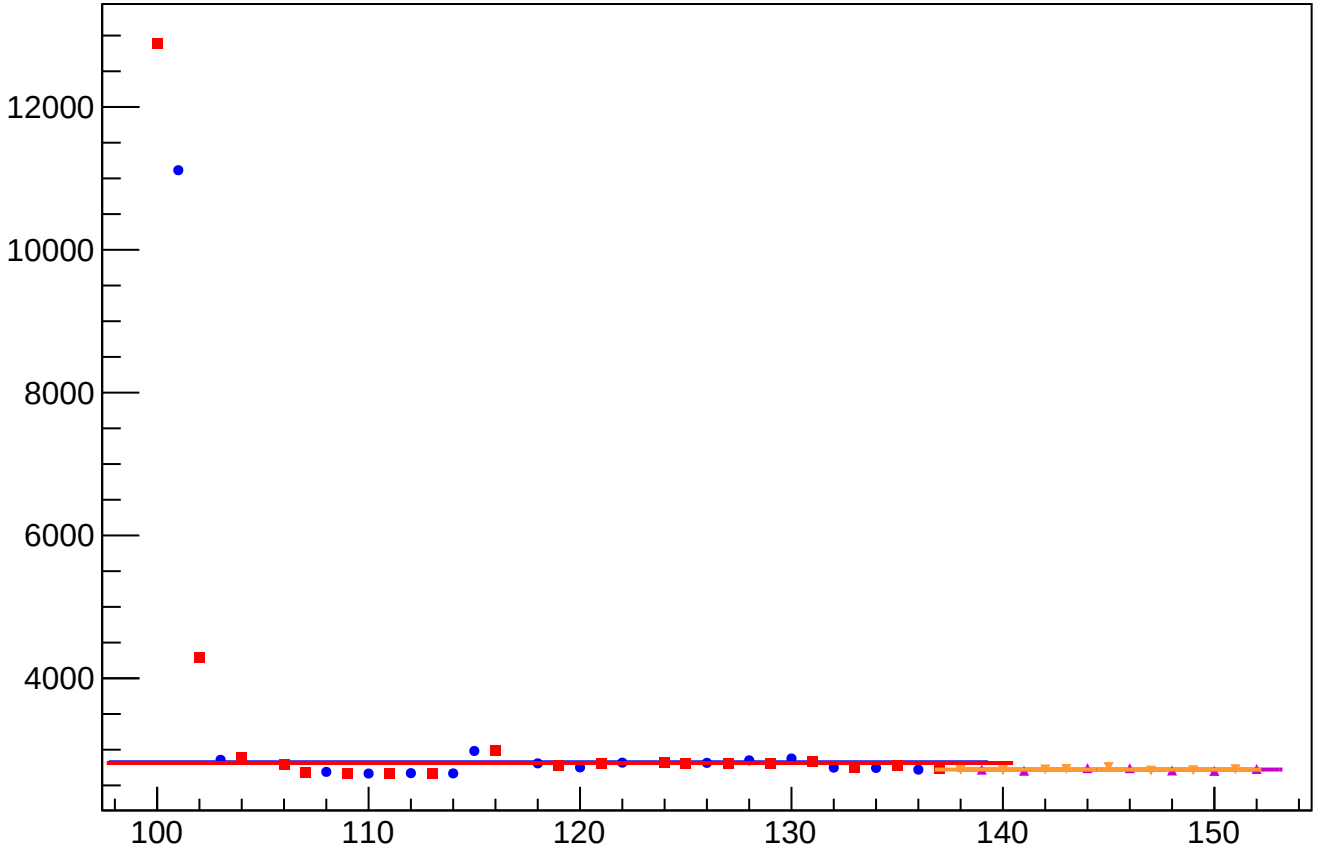
Left In: -3711.653+/-1098.638 χ^2/NDF:15.4/6

+ sign 1793.406+/-767.202 χ^2/NDF: 22.6/23

All: -710.117+/-539.579 χ^2/NDF: 69.4/49

- sign -3160.556+/-759.025 χ^2/NDF: 25.8/25

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2721.919+/-0.773 χ^2/NDF:385.2/7

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

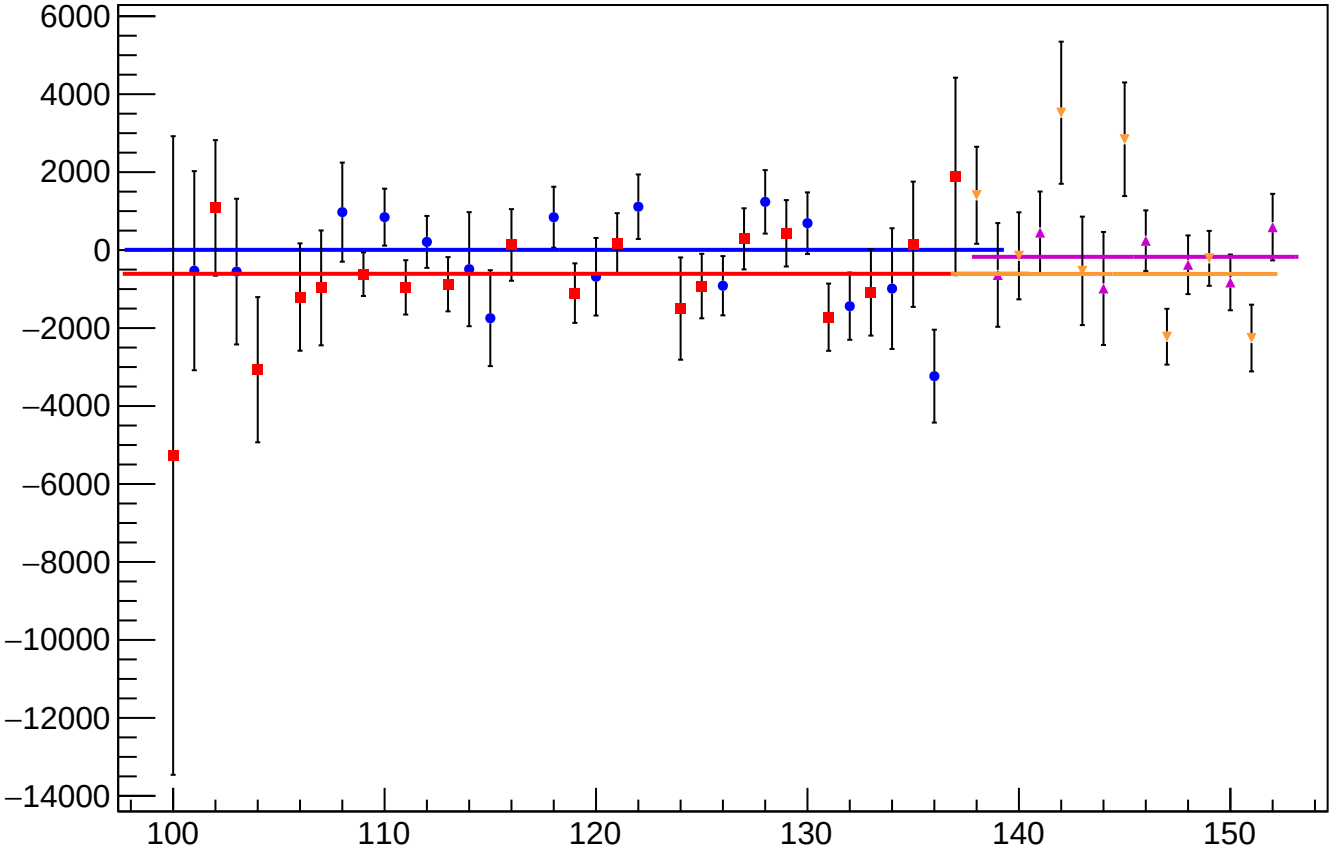
Left In: 2722.169+/-0.777 χ^2/NDF:387.7/6

+ sign 2773.422+/-0.542 χ^2/NDF: 753056.0/23

All: 2771.730+/-0.382 χ^2/NDF: 961250.1/49

- sign 2770.075+/-0.537 χ^2/NDF: 208174.9/25

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -610.617+/-352.148 χ^2/NDF:22.6/7

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

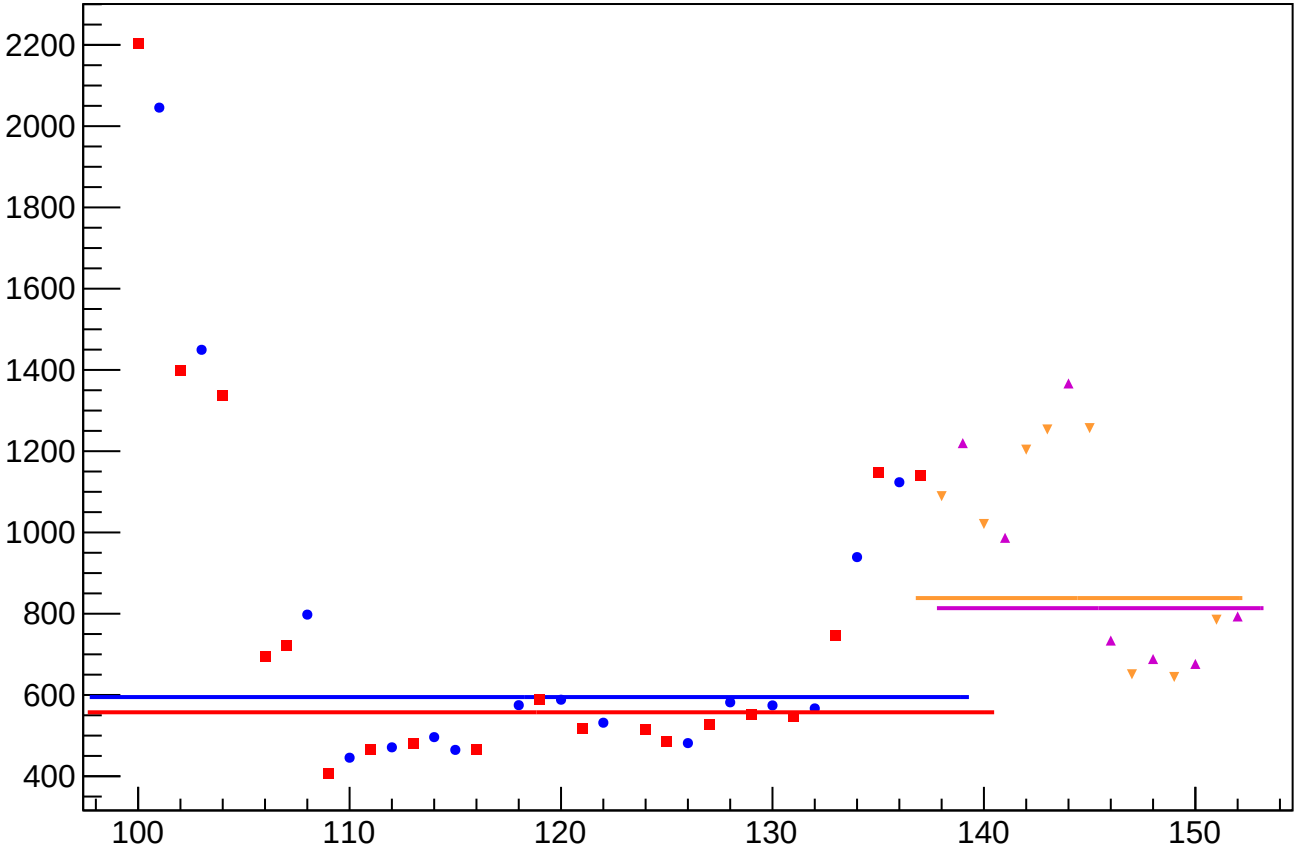
Left In: -172.774+/-339.220 χ^2/NDF:2.8/6

+ sign -186.013+/-196.878 χ^2/NDF: 47.6/23

All: -344.541+/-133.981 χ^2/NDF: 64.9/49

- sign -481.288+/-182.853 χ^2/NDF: 16.1/25

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 838.515+/-0.249 χ^2/NDF:854311.0/7

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

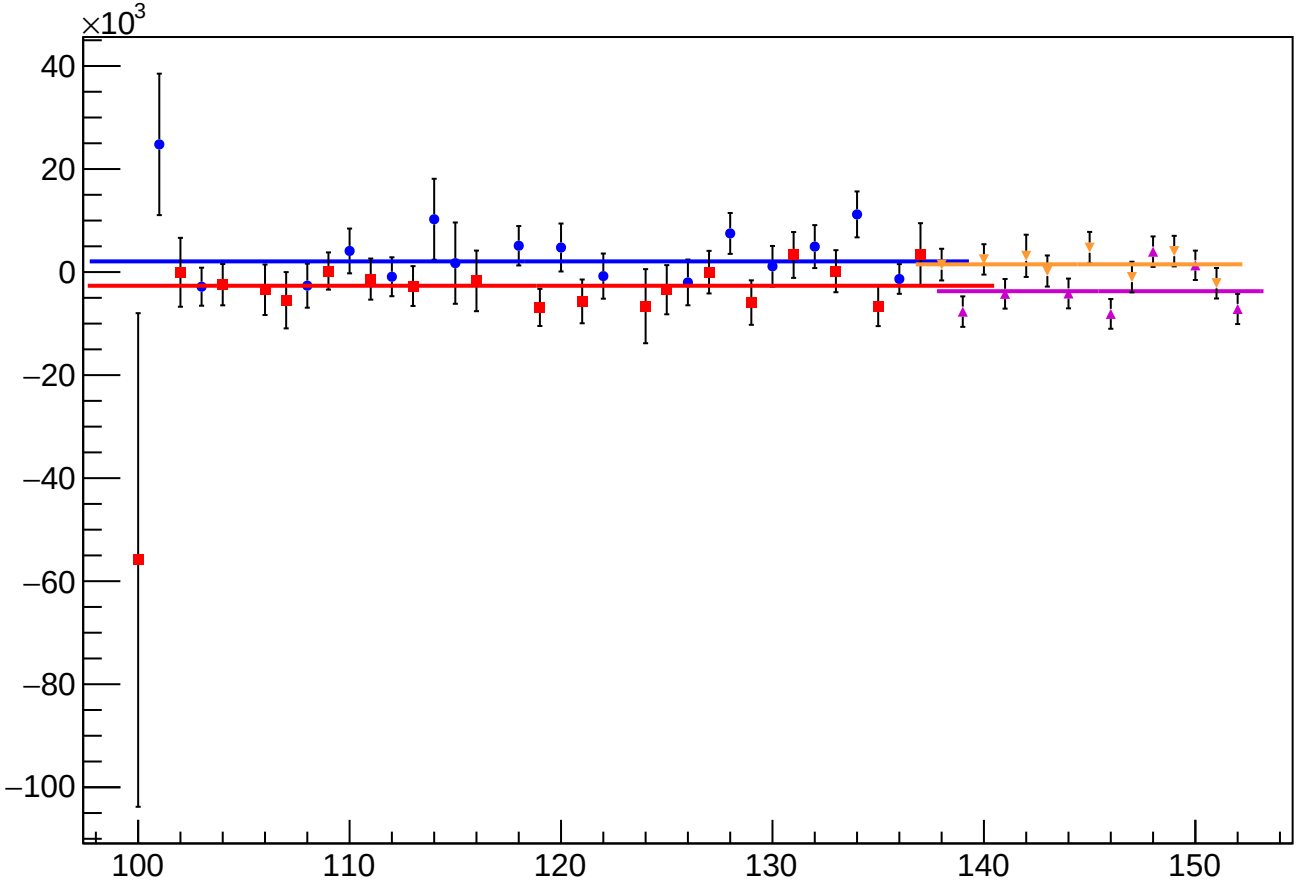
Left In: 813.670+/-0.240 χ^2/NDF:682851.5/6

+ sign 671.017+/-0.139 χ^2/NDF: 3365180.7/23

All: 649.995+/-0.095 χ^2/NDF: 6531628.7/49

- sign 631.861+/-0.129 χ^2/NDF: 3123975.5/25

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1503.742+/-1092.965 χ^2/NDF:4.5/7

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

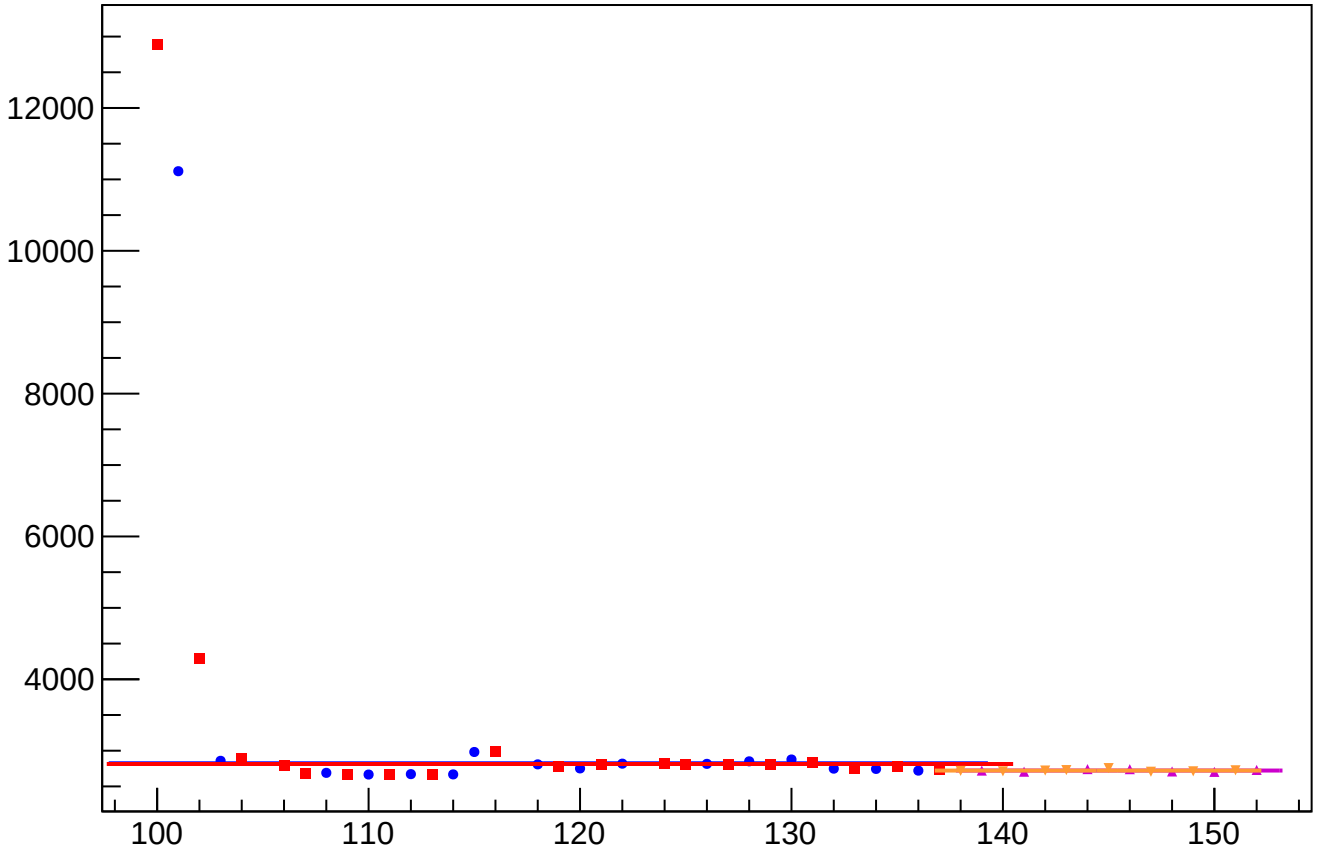
Left In: -3711.654+/-1098.638 χ^2/NDF:15.4/6

+ sign 1793.406+/-767.202 χ^2/NDF: 22.6/23

All: -710.117+/-539.579 χ^2/NDF: 69.4/49

- sign -3160.556+/-759.025 χ^2/NDF: 25.8/25

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2721.919+/-0.773 χ^2/NDF:385.2/7

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

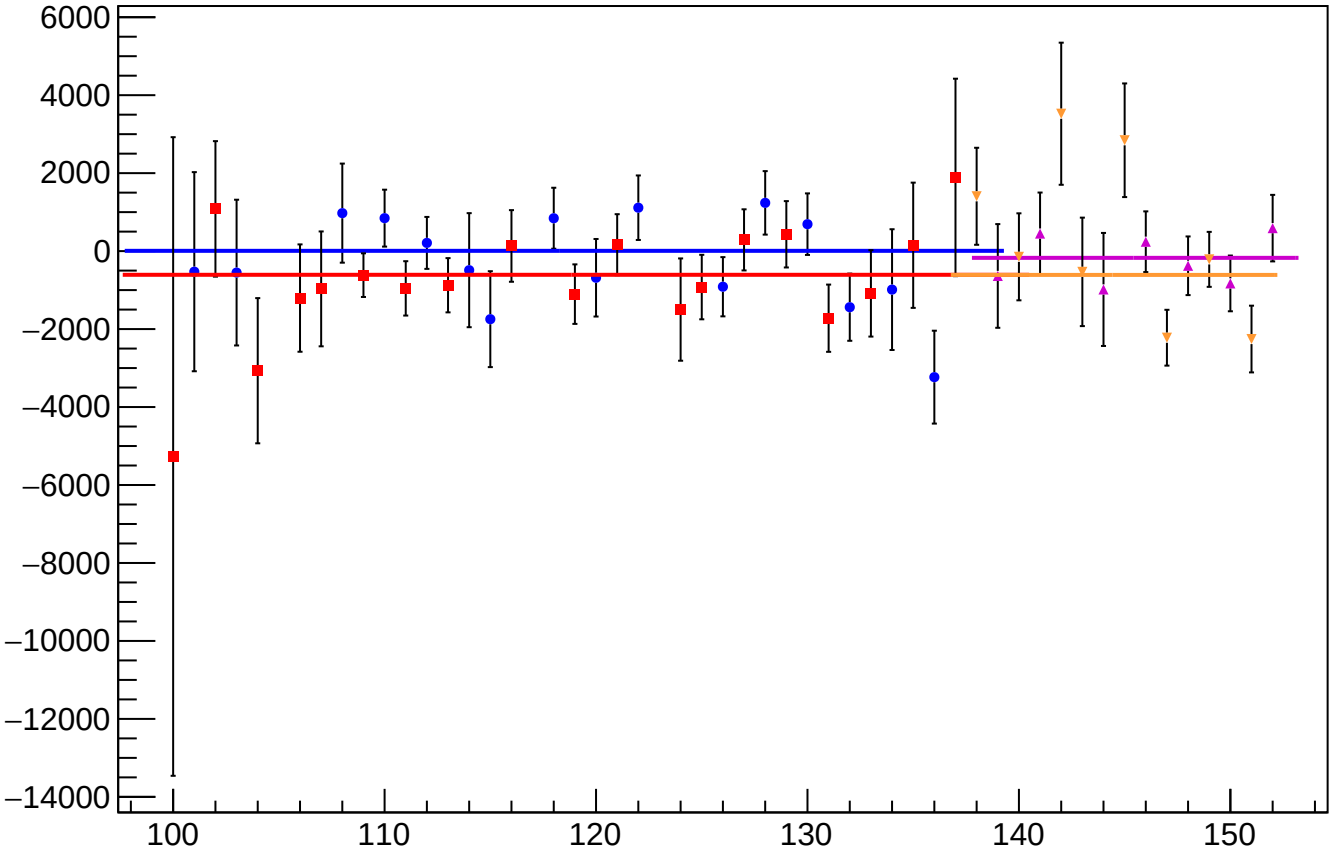
Left In: 2722.169+/-0.777 χ^2/NDF:387.7/6

+ sign 2773.422+/-0.542 χ^2/NDF: 753055.9/23

All: 2771.730+/-0.382 χ^2/NDF: 961249.8/49

- sign 2770.075+/-0.537 χ^2/NDF: 208174.6/25

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -610.617+/-352.148 χ^2/NDF:22.6/7

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

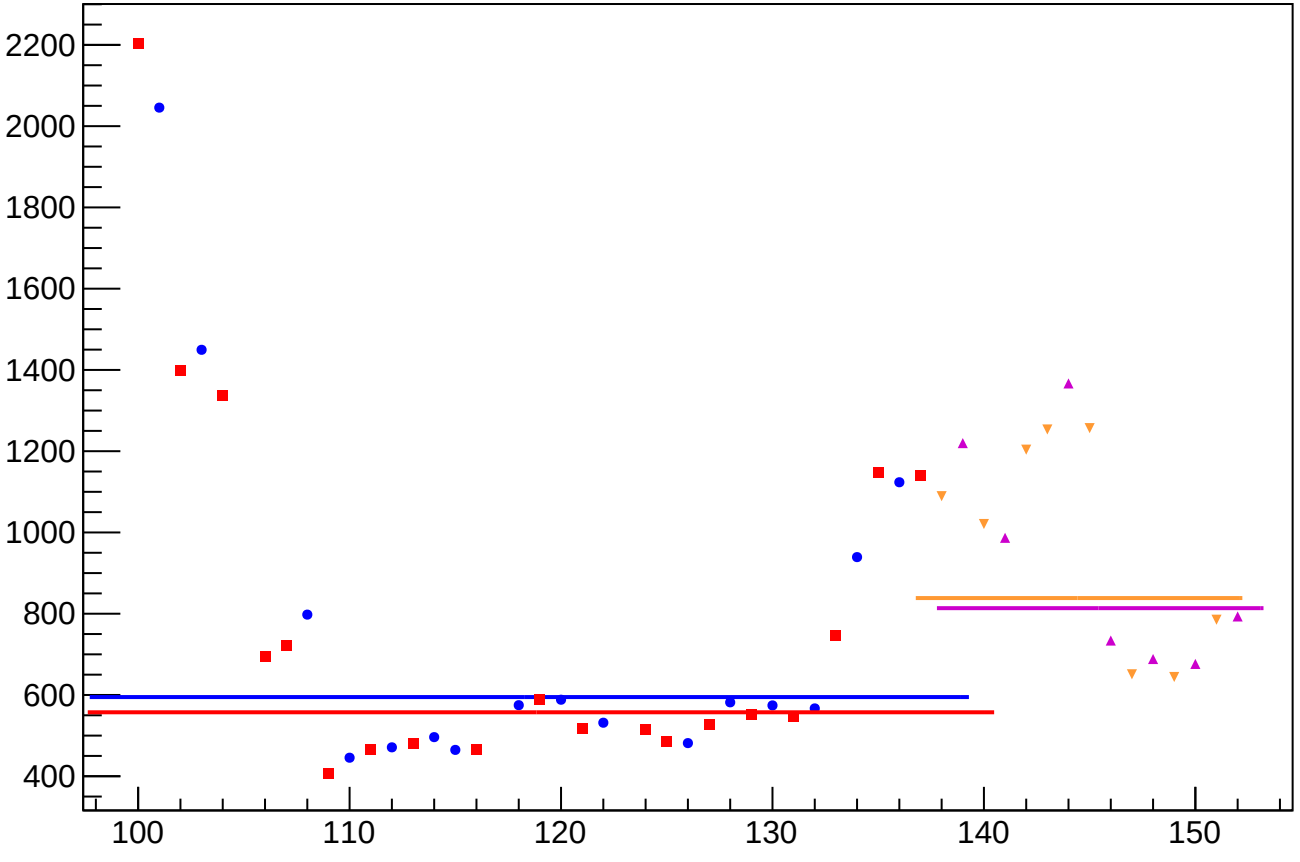
Left In: -172.775+/-339.221 χ^2/NDF:2.8/6

\+ sign -186.013+/-196.878 χ^2/NDF: 47.6/23

All: -344.541+/-133.981 χ^2/NDF: 64.9/49

\- sign -481.288+/-182.854 χ^2/NDF: 16.1/25

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 838.515+/-0.249 χ^2/NDF:854311.8/7

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

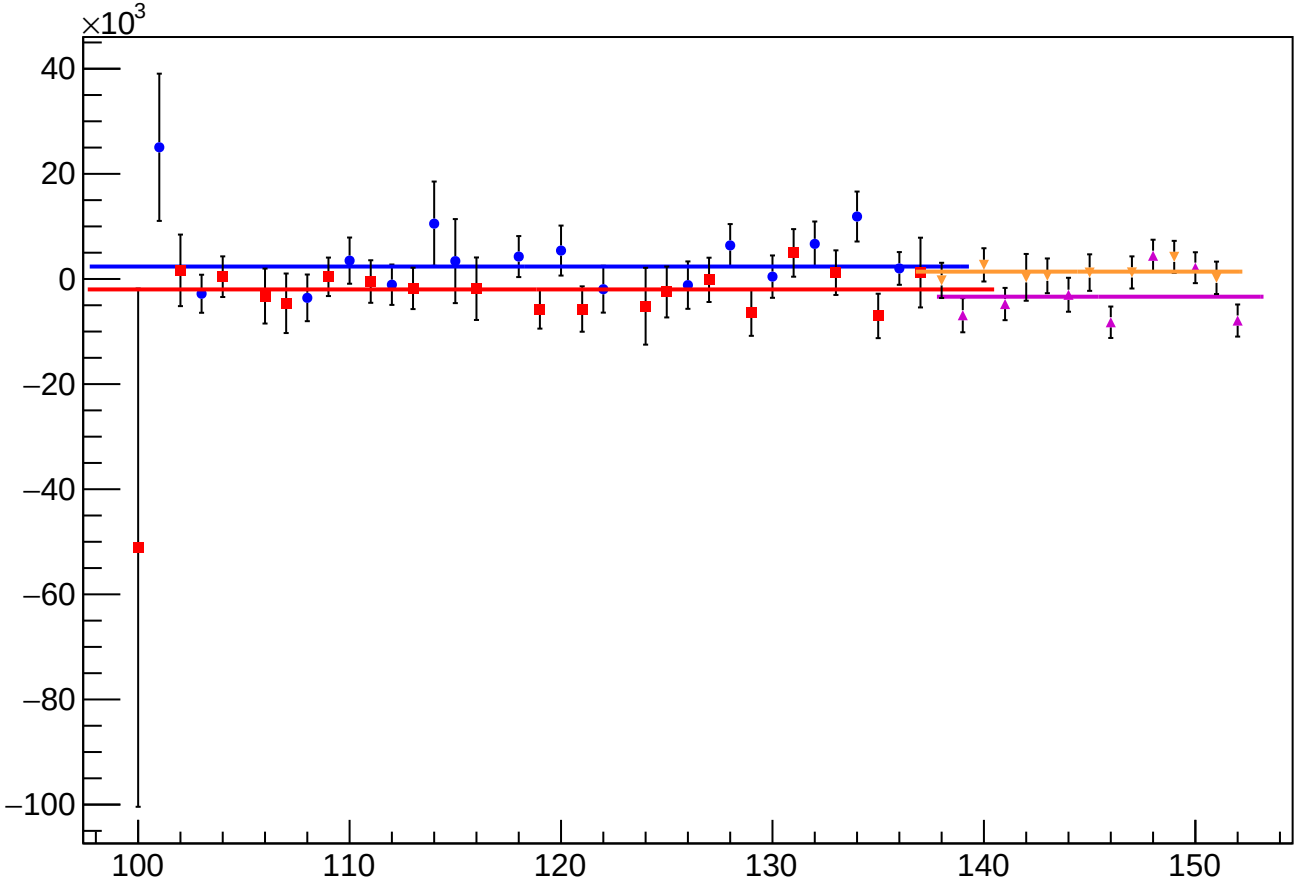
Left In: 813.671+/-0.240 χ^2/NDF:682851.6/6

+ sign 671.017+/-0.139 χ^2/NDF: 3365175.6/23

All: 649.995+/-0.095 χ^2/NDF: 6531622.8/49

- sign 631.861+/-0.129 χ^2/NDF: 3123974.3/25

asym_atr1_mean vs Slug



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 1399.096+/-1167.209 χ^2/NDF:1.5/7

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

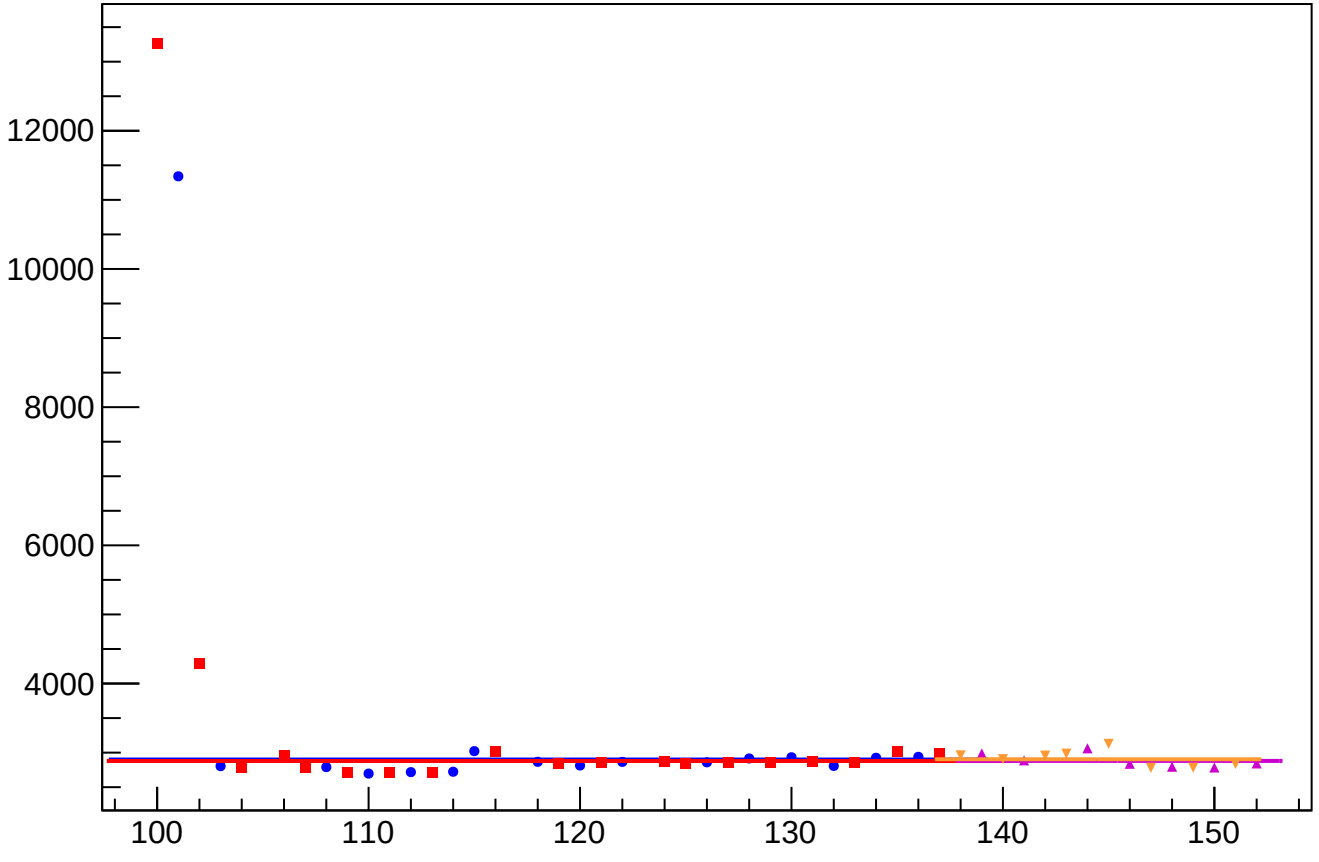
Left In: -3371.154+/-1163.132 χ^2/NDF:16.3/6

+ sign 1909.094+/-802.905 χ^2/NDF: 18.7/23

All: -395.816+/-562.970 χ^2/NDF: 62.3/49

- sign -2624.876+/-789.583 χ^2/NDF: 27.4/25

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2903.964+/-0.825 χ^2/NDF:17780.0/7

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

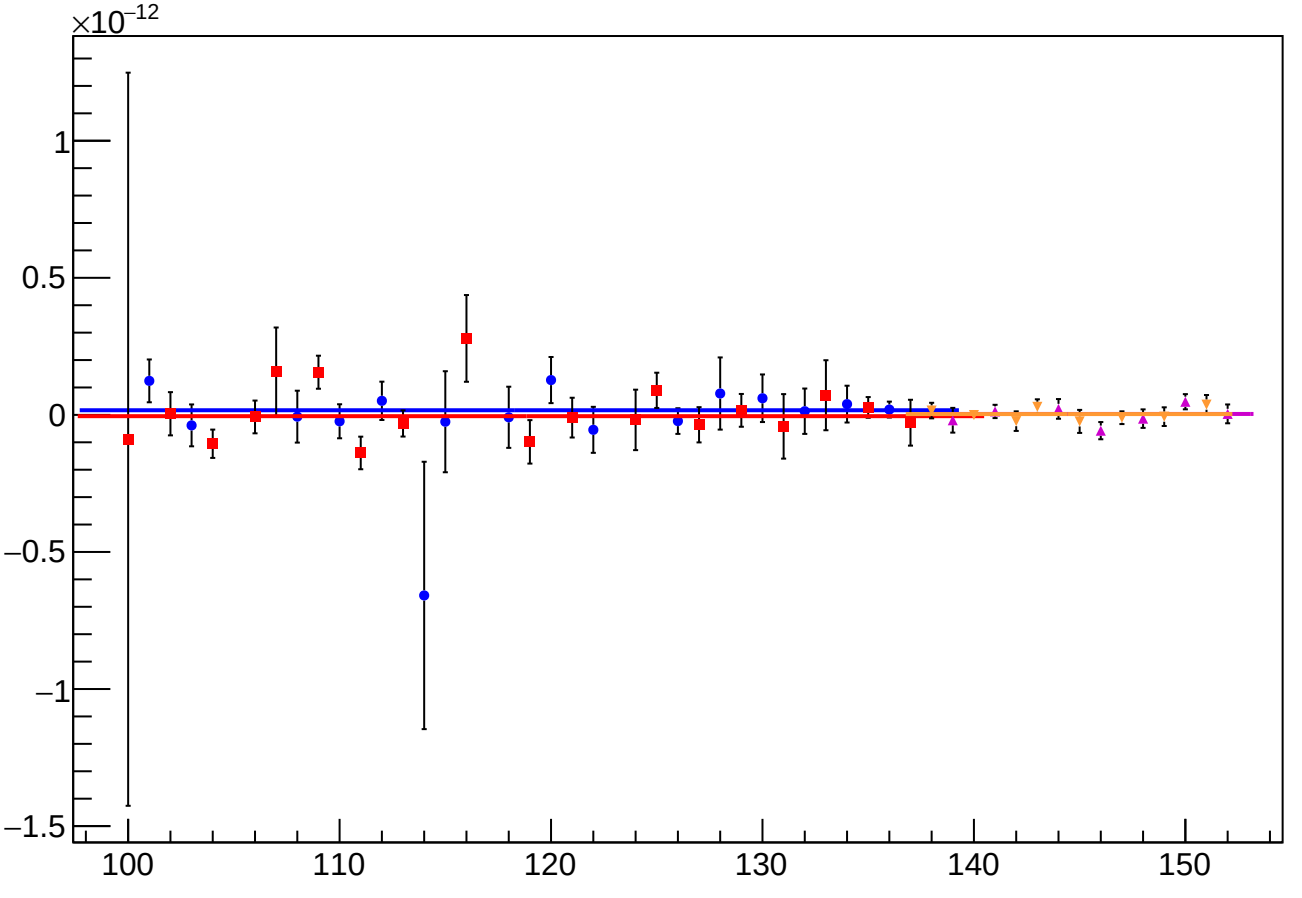
Left In: 2880.087+/-0.822 χ^2/NDF:12864.3/6

+ sign 2901.785+/-0.568 χ^2/NDF: 759611.4/23

All: 2890.444+/-0.398 χ^2/NDF: 966544.0/49

- sign 2879.478+/-0.558 χ^2/NDF: 206147.7/25

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:3.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

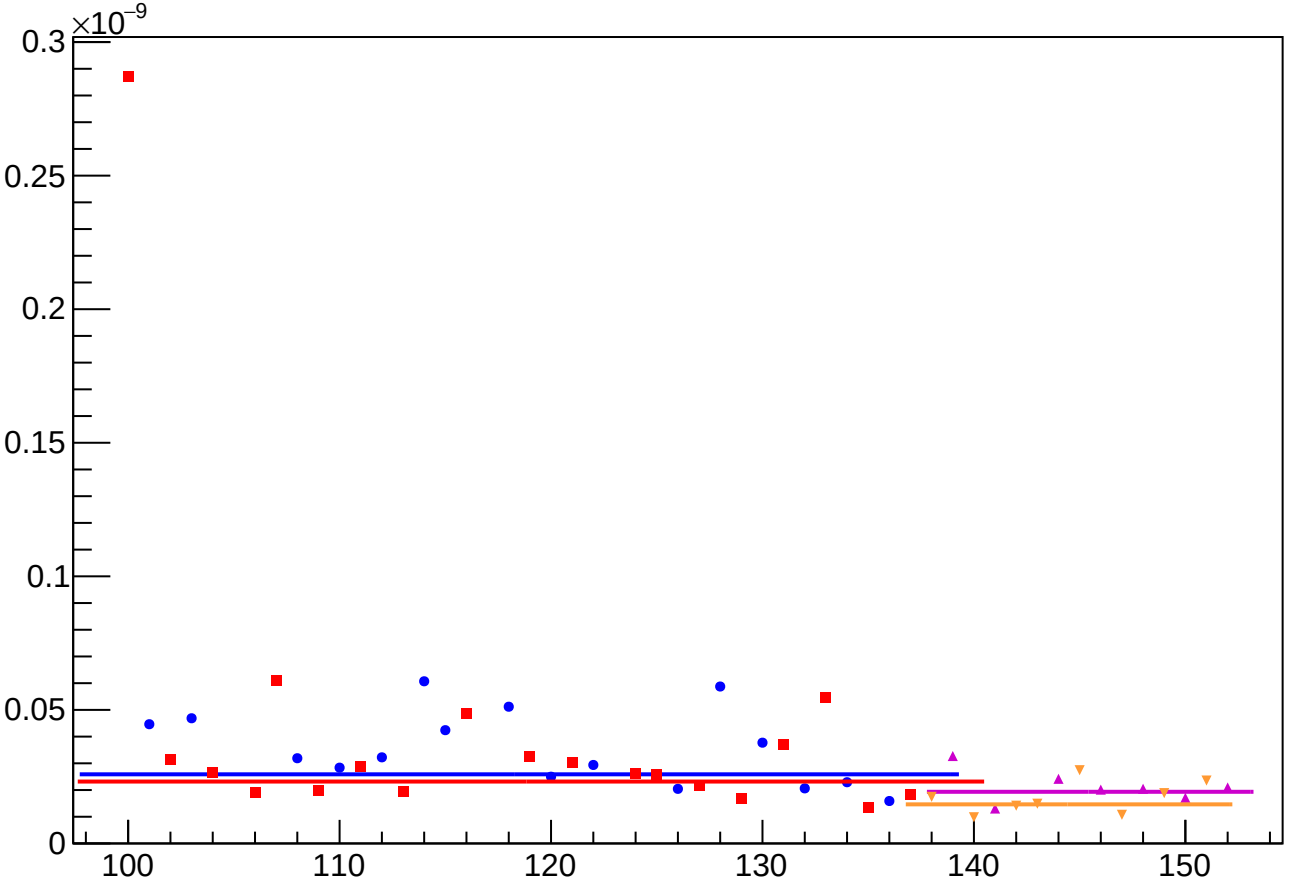
Left In: 0.000+/-0.000 χ^2/NDF:7.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 12.8/23

All: 0.000+/-0.000 χ^2/NDF: 46.2/49

- sign 0.000+/-0.000 χ^2/NDF: 33.2/25

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:558602.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

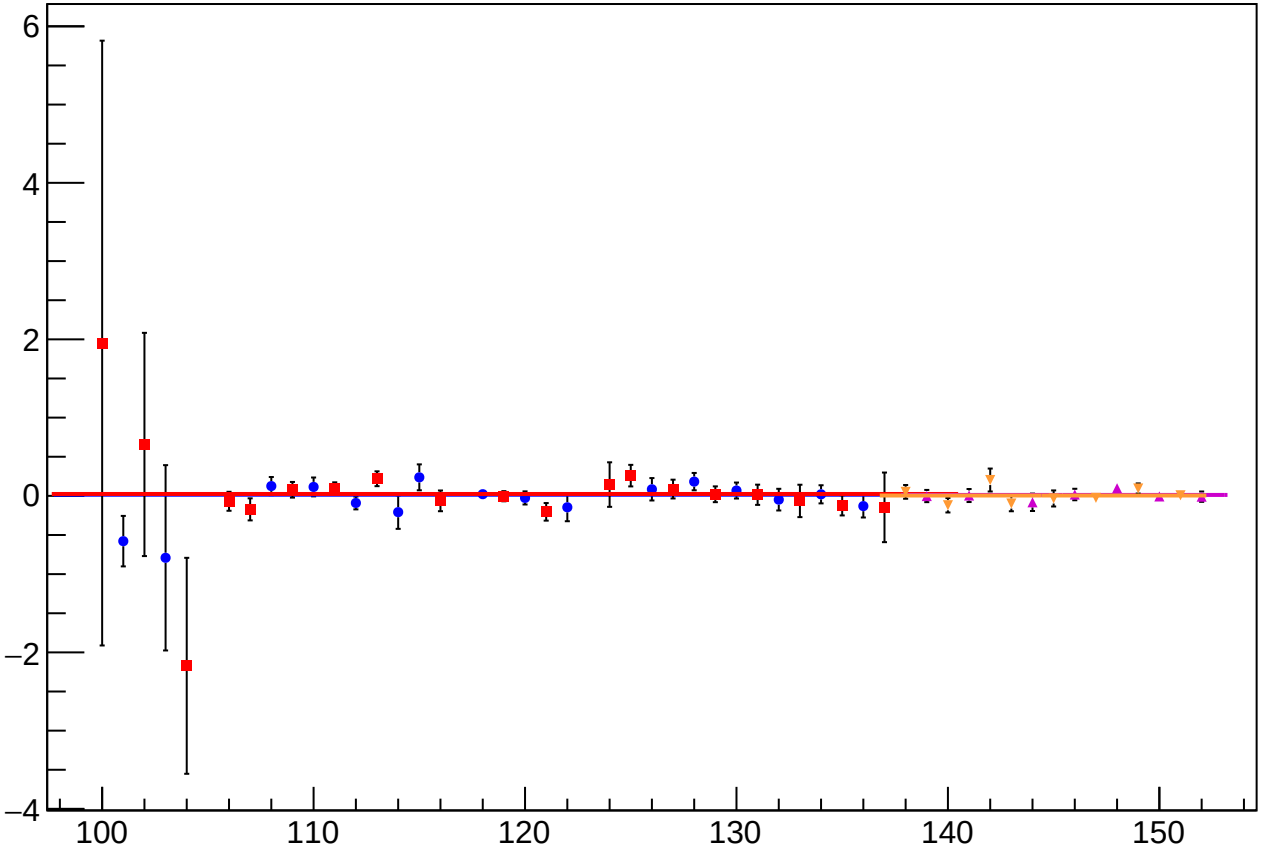
Left In: 0.000+/-0.000 χ^2/NDF:367555.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 2087959.7/23

All: 0.000+/-0.000 χ^2/NDF: 3351426.9/49

- sign 0.000+/-0.000 χ^2/NDF: 1132118.2/25

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.028 χ^2/NDF:7.3/7

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

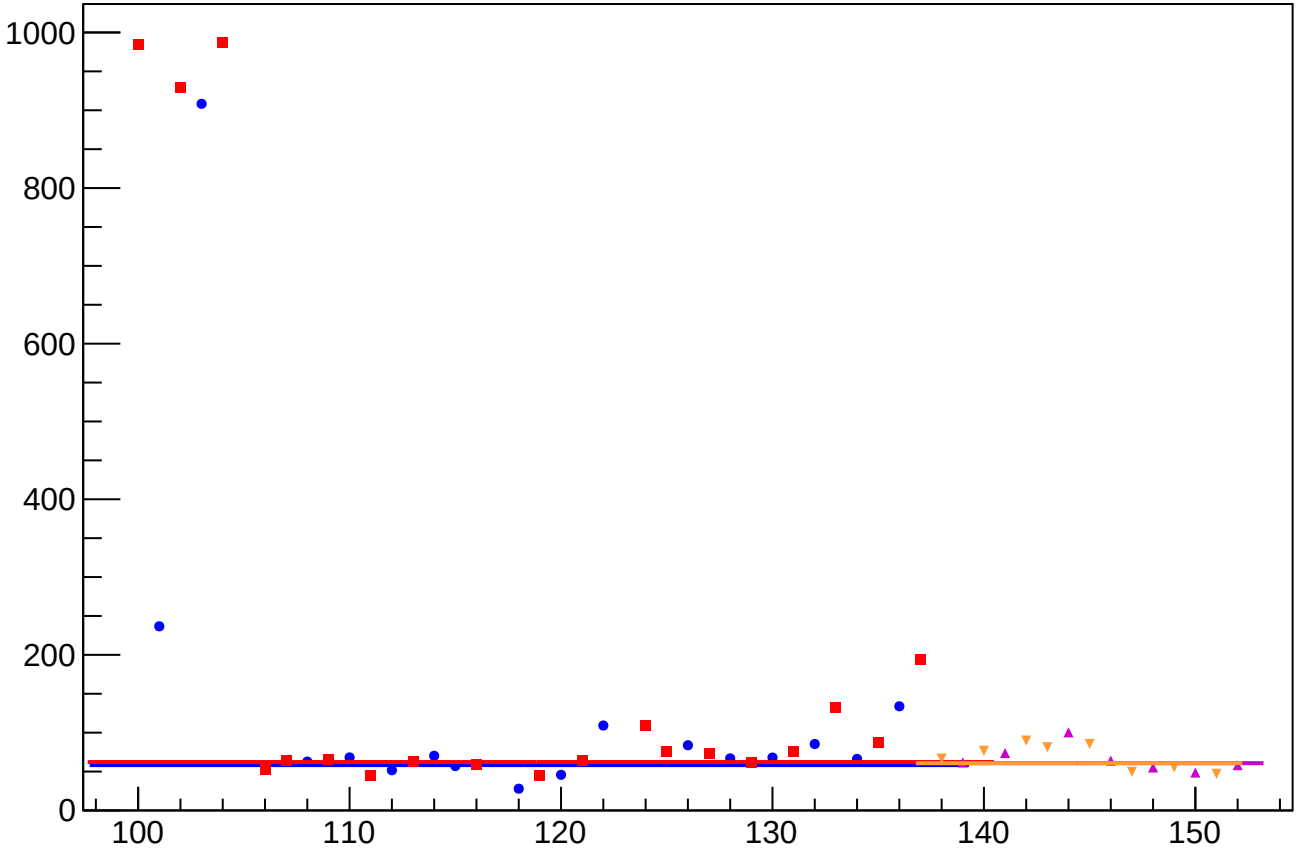
Left In: 0.012+/-0.027 χ^2/NDF:2.8/6

+ sign 0.010+/-0.020 χ^2/NDF: 22.4/23

All: 0.014+/-0.014 χ^2/NDF: 46.2/49

- sign 0.018+/-0.019 χ^2/NDF: 23.7/25

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 60.736+/-0.020 χ^2/NDF:543748.2/7

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

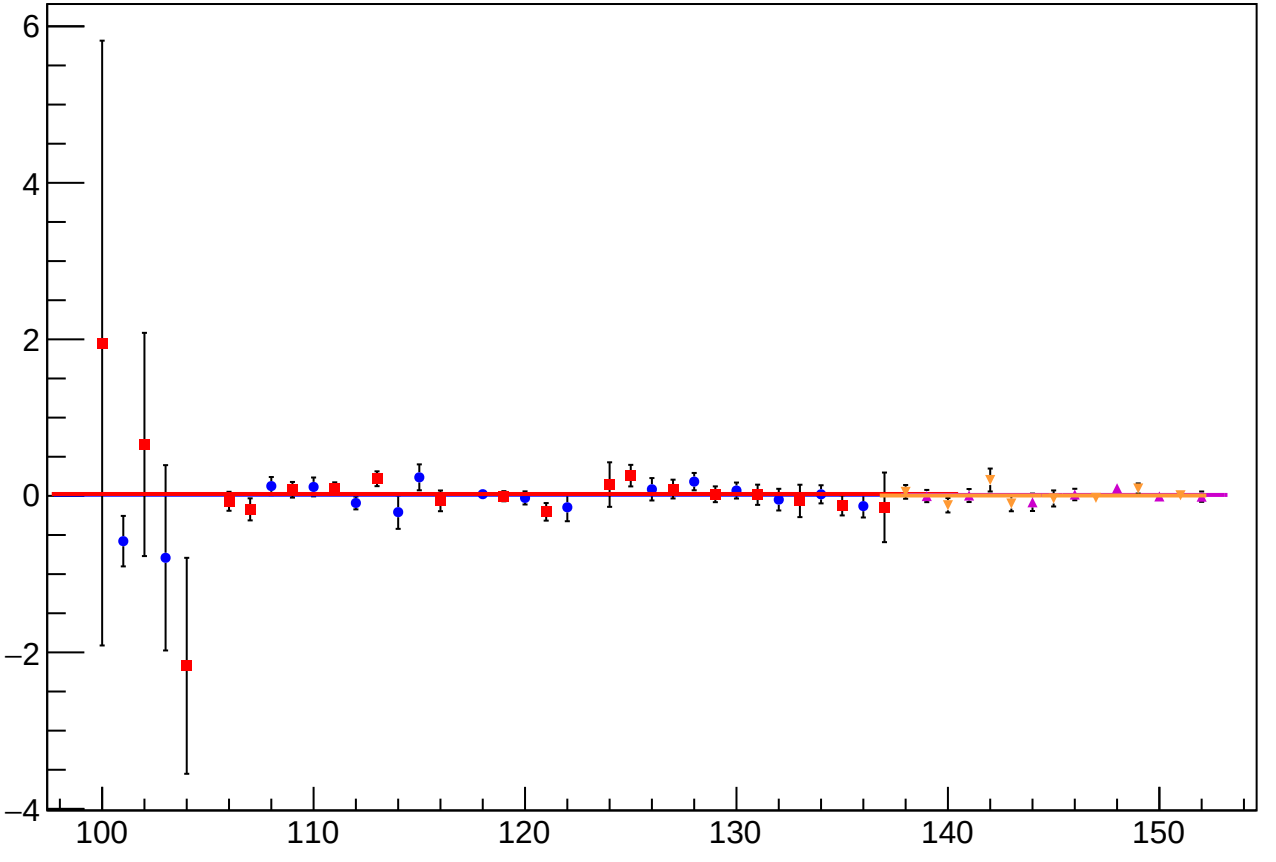
Left In: 60.825+/-0.019 χ^2/NDF:417337.9/6

+ sign 59.534+/-0.014 χ^2/NDF: 3811794.8/23

All: 60.527+/-0.010 χ^2/NDF: 6868968.7/49

- sign 61.505+/-0.014 χ^2/NDF: 3046991.4/25

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.028 χ^2/NDF:7.3/7

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

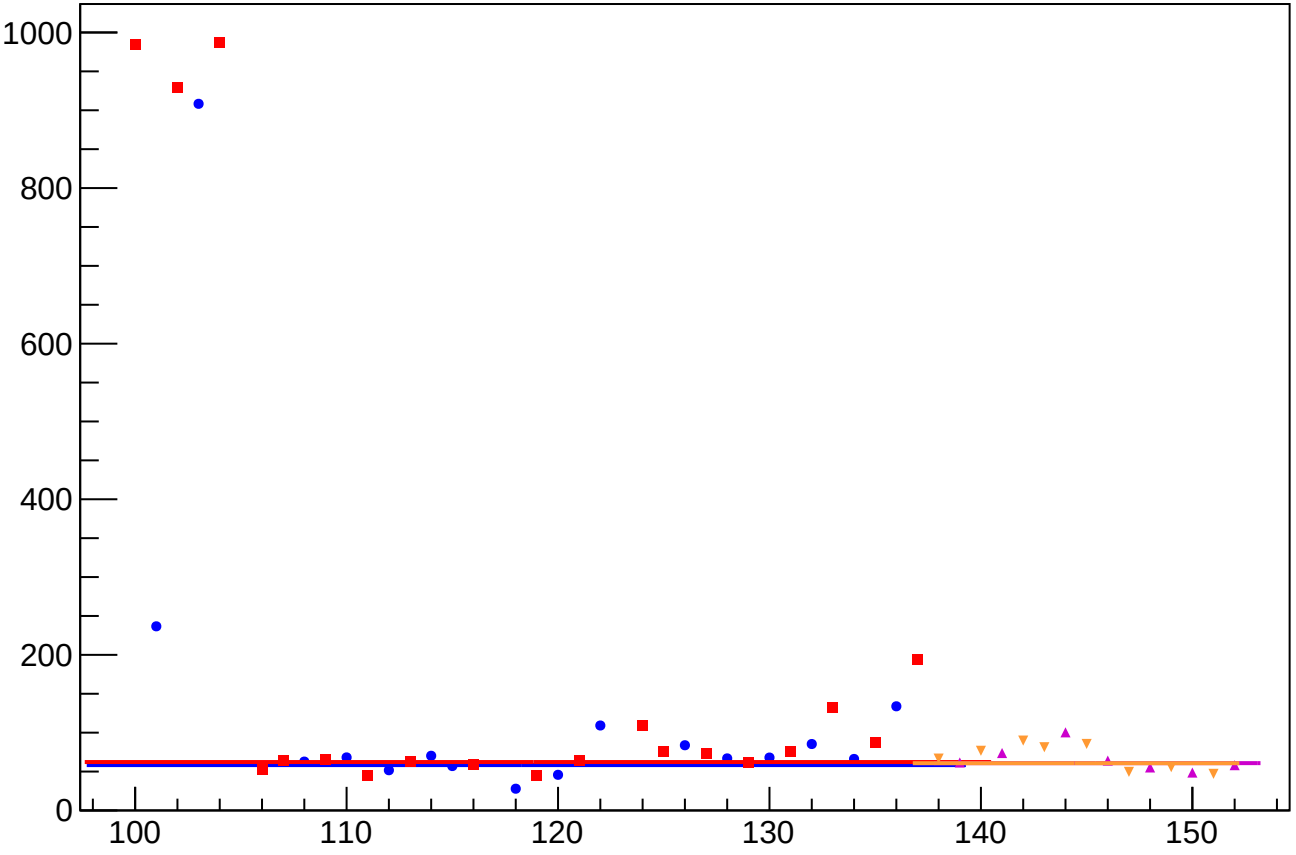
Left In: 0.012+/-0.027 χ^2/NDF:2.8/6

+ sign 0.010+/-0.020 χ^2/NDF: 22.4/23

All: 0.014+/-0.014 χ^2/NDF: 46.2/49

- sign 0.018+/-0.019 χ^2/NDF: 23.7/25

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 60.736+/-0.020 χ^2/NDF:543748.2/7

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

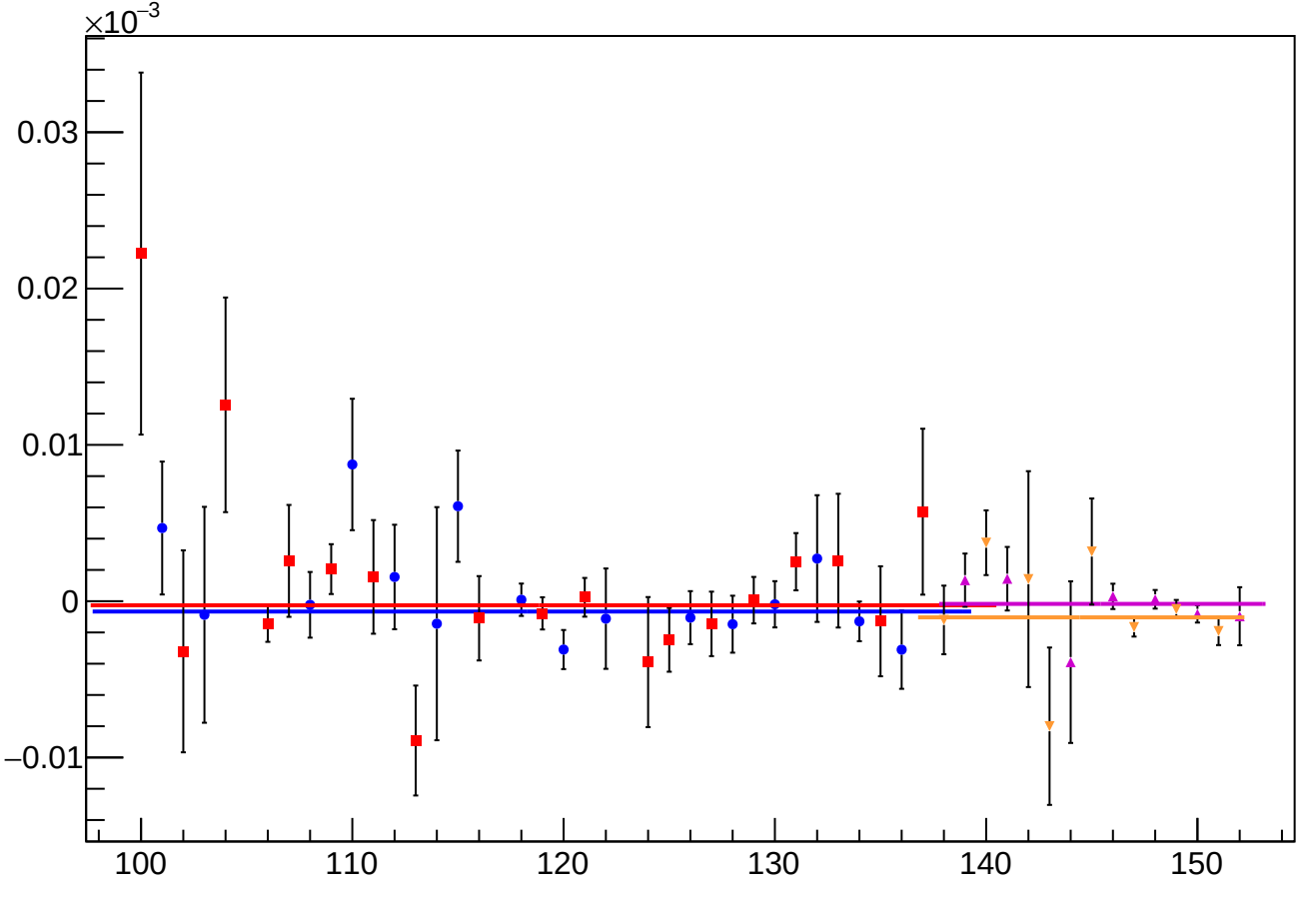
Left In: 60.825+/-0.019 χ^2/NDF:417337.9/6

+ sign 59.534+/-0.014 χ^2/NDF: 3811794.8/23

All: 60.527+/-0.010 χ^2/NDF: 6868968.7/49

- sign 61.505+/-0.014 χ^2/NDF: 3046991.4/25

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:11.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

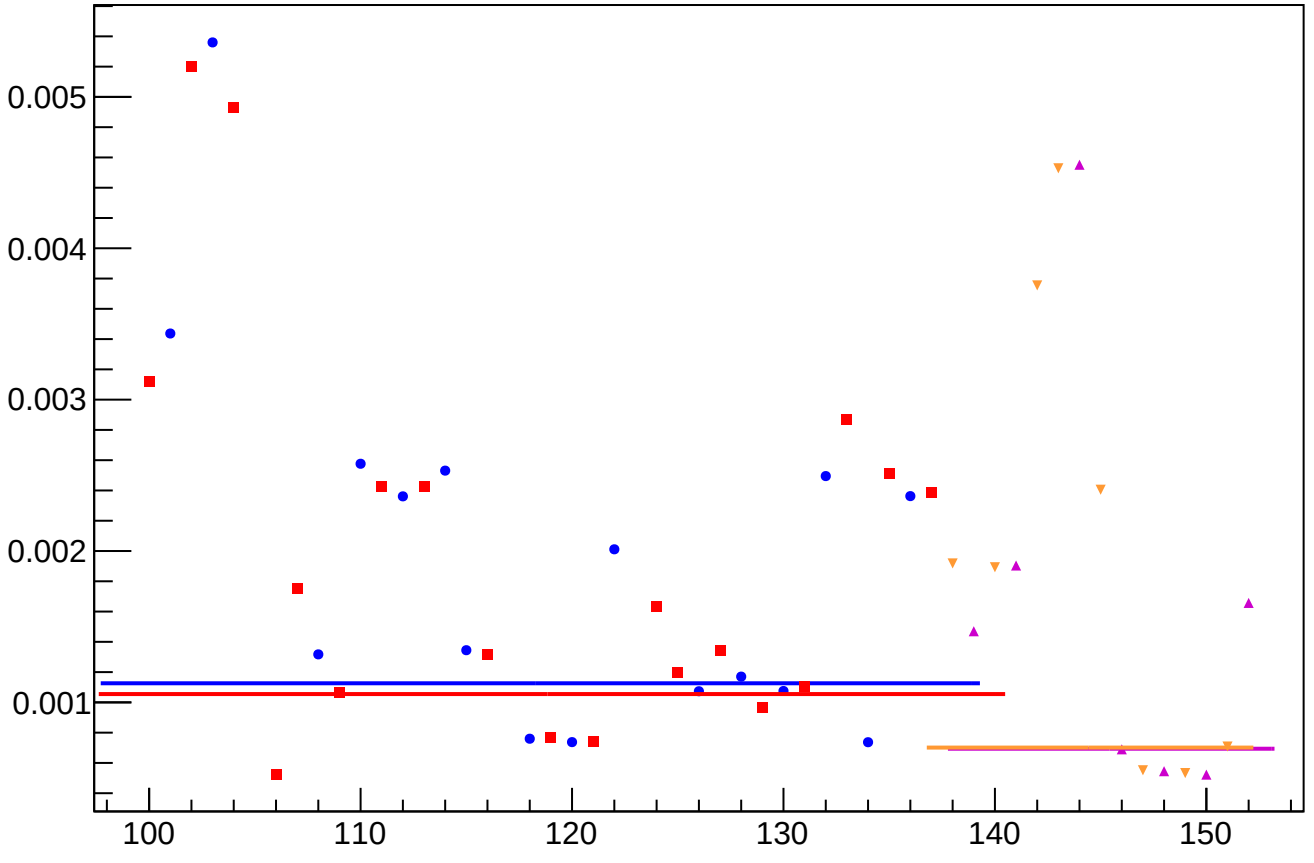
Left In: -0.000+/-0.000 χ^2/NDF:4.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/23

All: -0.000+/-0.000 χ^2/NDF: 61.0/49

- sign -0.000+/-0.000 χ^2/NDF: 28.7/25

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:3615651.4/7

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

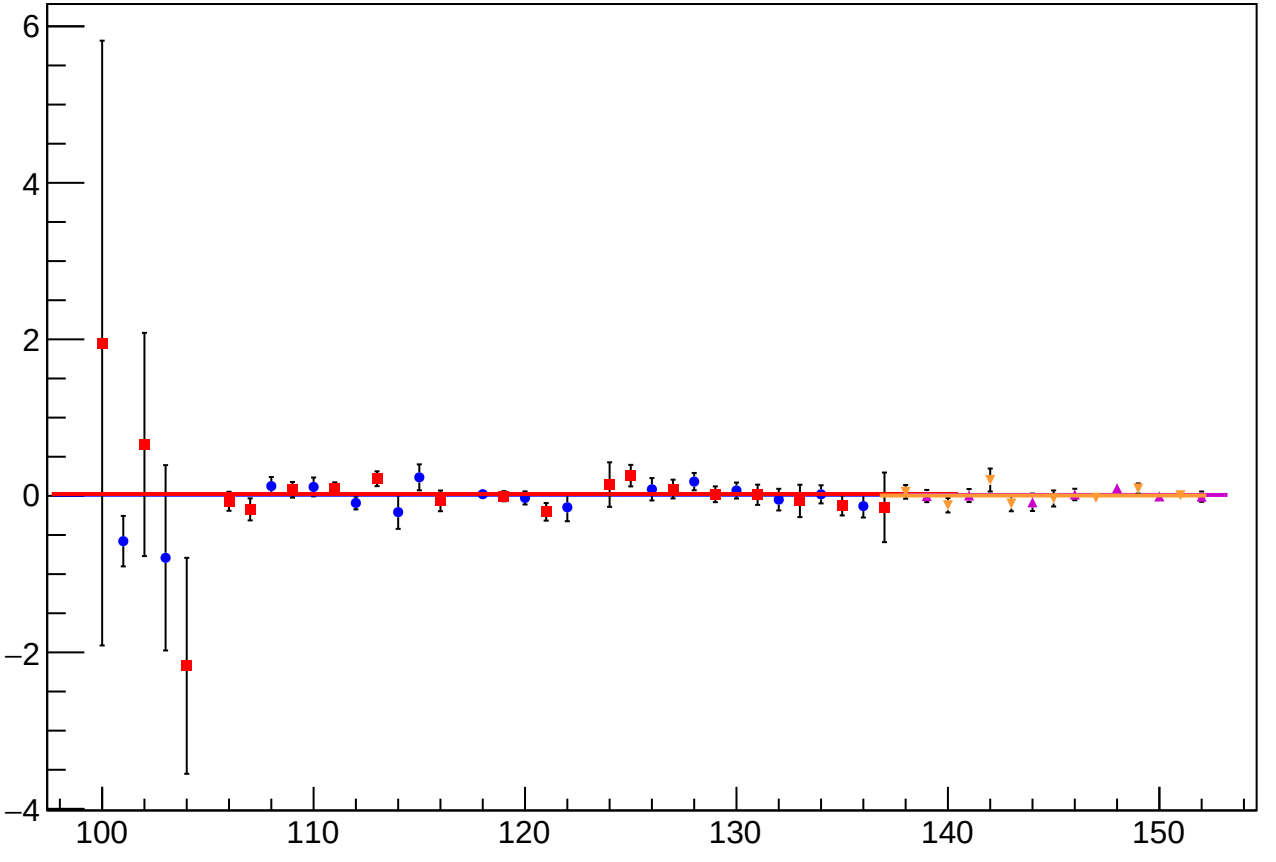
Left In: 0.001+/-0.000 χ^2/NDF:3092125.7/6

+ sign 0.001+/-0.000 χ^2/NDF: 8034403.9/23

All: 0.001+/-0.000 χ^2/NDF: 15770734.3/49

- sign 0.001+/-0.000 χ^2/NDF: 7723390.0/25

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.028 χ^2/NDF:7.3/7

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

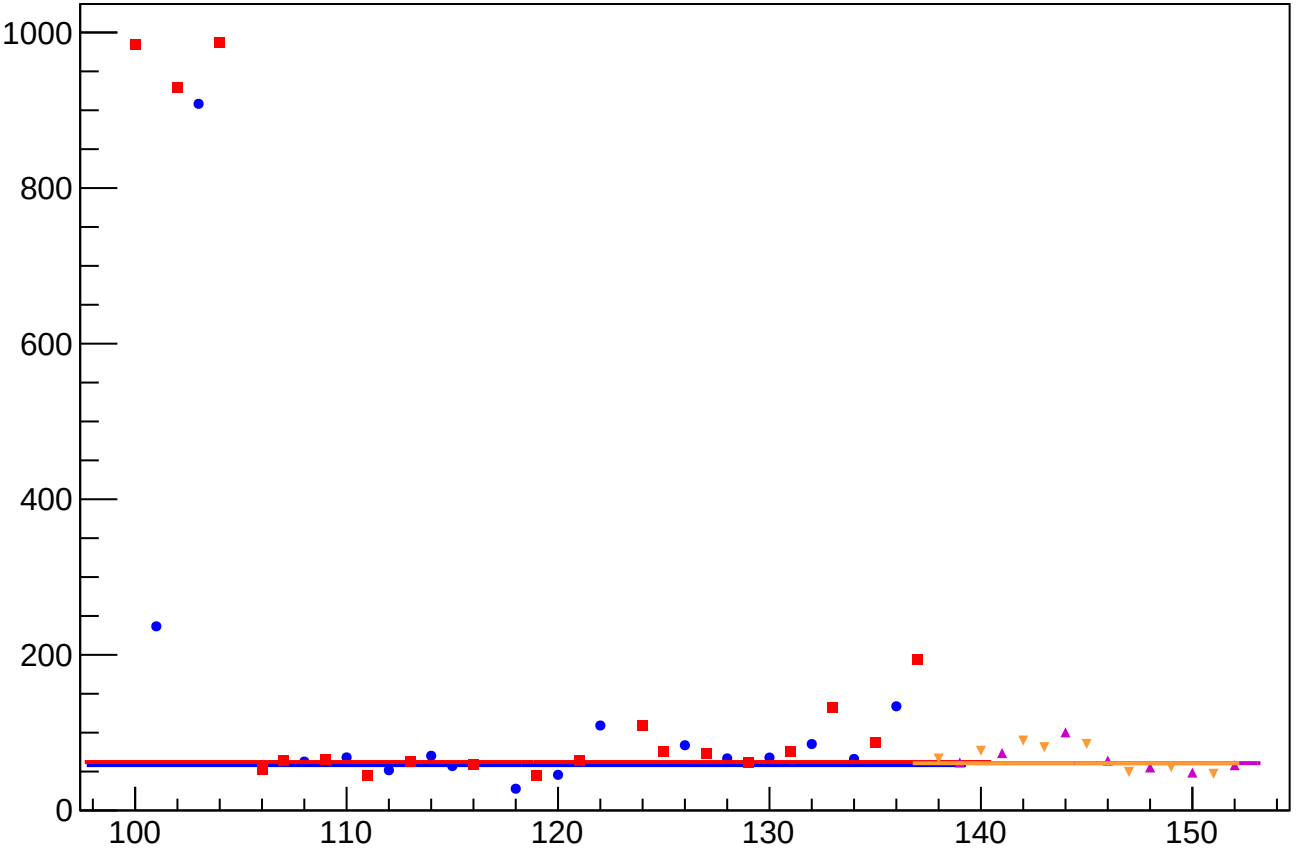
Left In: 0.012+/-0.027 χ^2/NDF:2.8/6

+ sign 0.010+/-0.020 χ^2/NDF: 22.4/23

All: 0.014+/-0.014 χ^2/NDF: 46.2/49

- sign 0.018+/-0.019 χ^2/NDF: 23.7/25

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 60.735+/-0.020 χ^2/NDF:543755.0/7

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

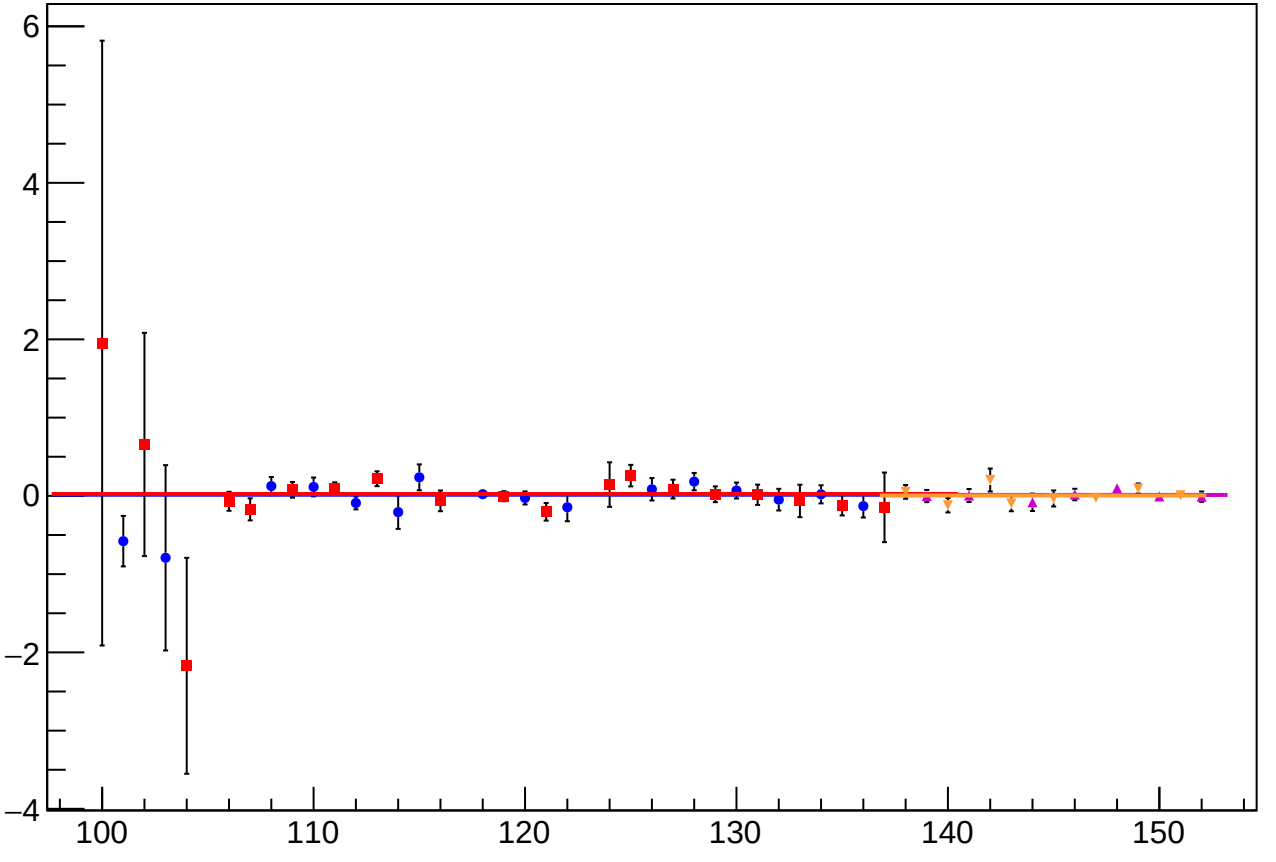
Left In: 60.825+/-0.019 χ^2/NDF:417351.9/6

+ sign 59.534+/-0.014 χ^2/NDF: 3811883.4/23

All: 60.526+/-0.010 χ^2/NDF: 6869069.6/49

- sign 61.505+/-0.014 χ^2/NDF: 3046996.4/25

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.028 χ^2/NDF:7.3/7

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

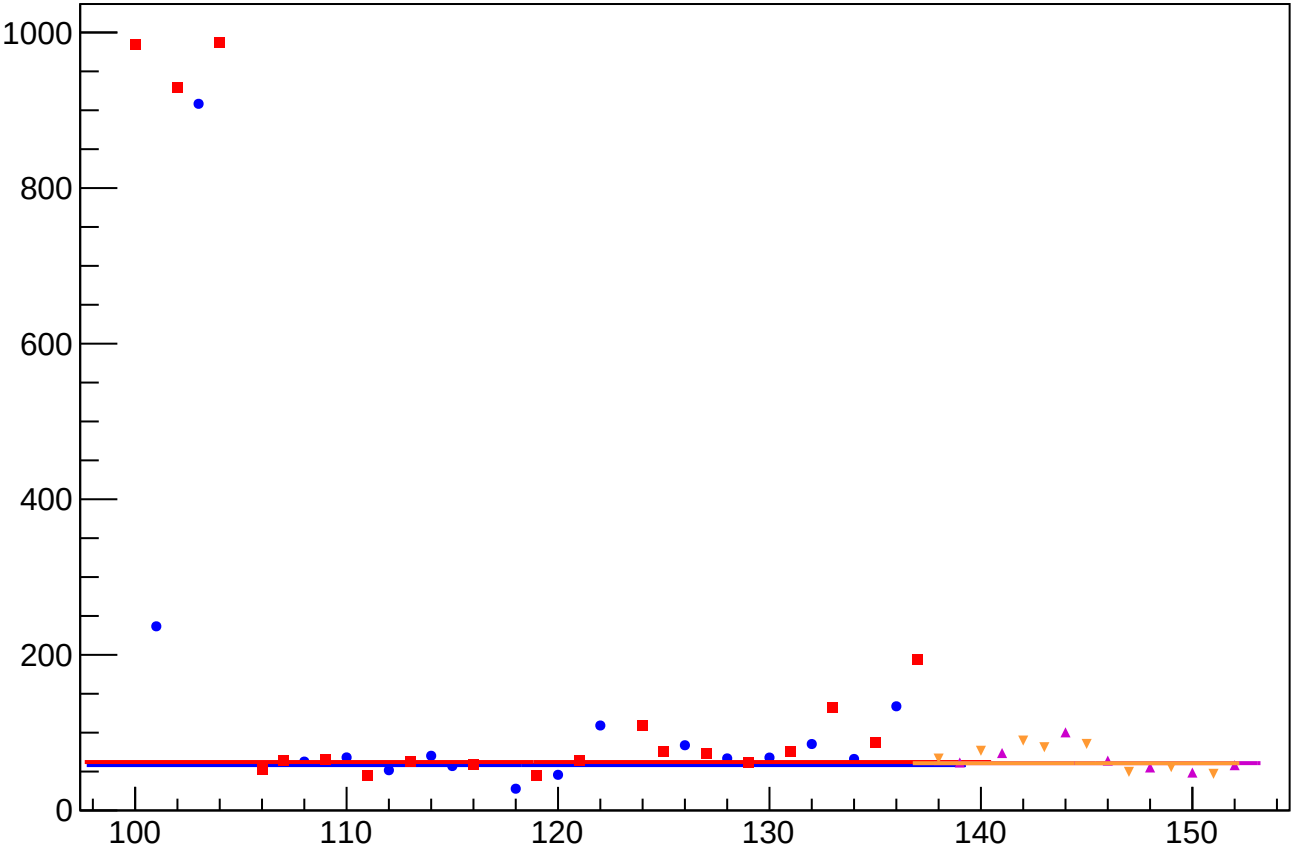
Left In: 0.012+/-0.027 χ^2/NDF:2.8/6

+ sign 0.010+/-0.020 χ^2/NDF: 22.4/23

All: 0.014+/-0.014 χ^2/NDF: 46.2/49

- sign 0.018+/-0.019 χ^2/NDF: 23.7/25

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: 60.735+/-0.020 χ^2/NDF:543755.0/7

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

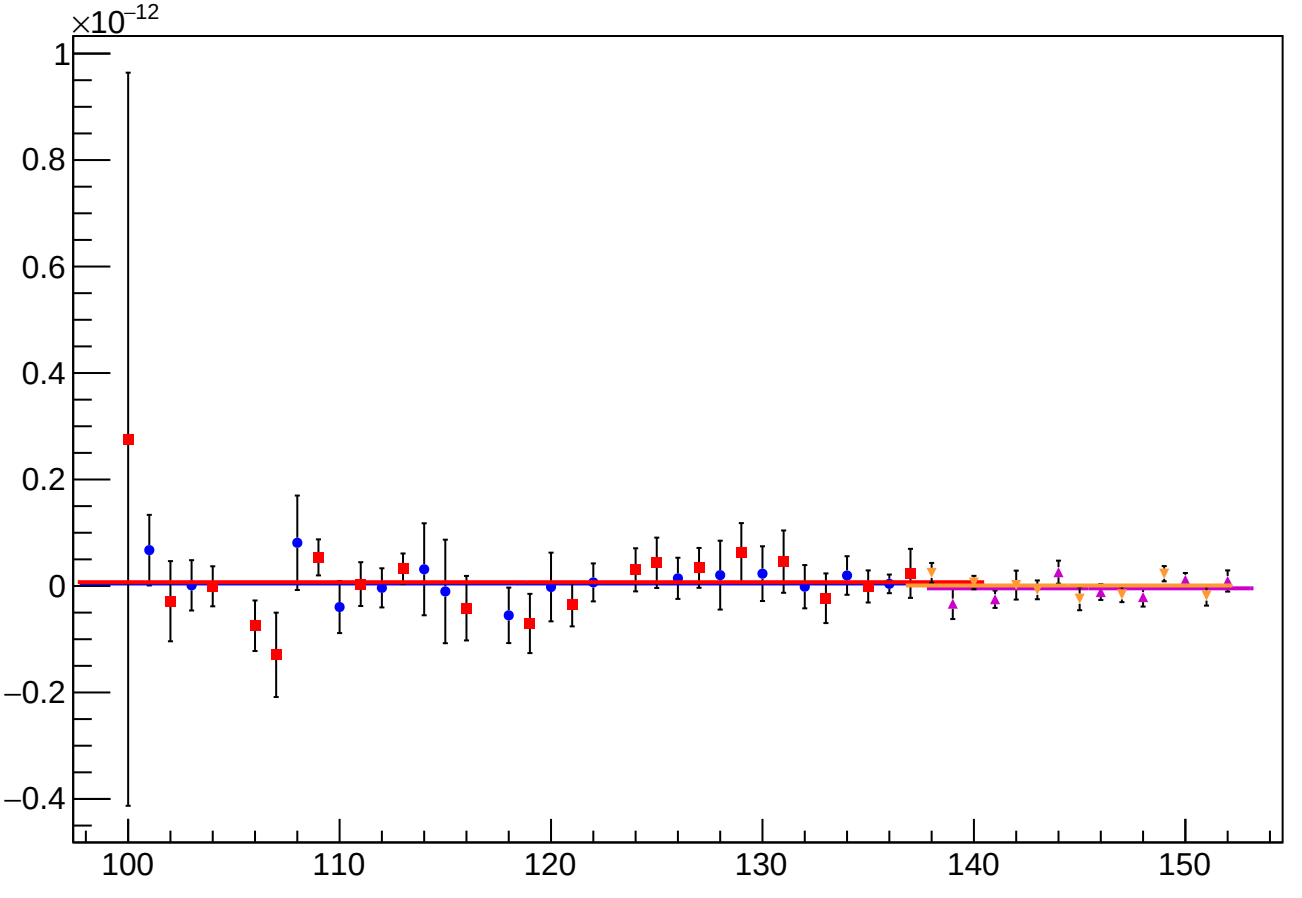
Left In: 60.825+/-0.019 χ^2/NDF:417351.9/6

+ sign 59.534+/-0.014 χ^2/NDF: 3811883.4/23

All: 60.526+/-0.010 χ^2/NDF: 6869069.6/49

- sign 61.505+/-0.014 χ^2/NDF: 3046996.4/25

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:8.0/7

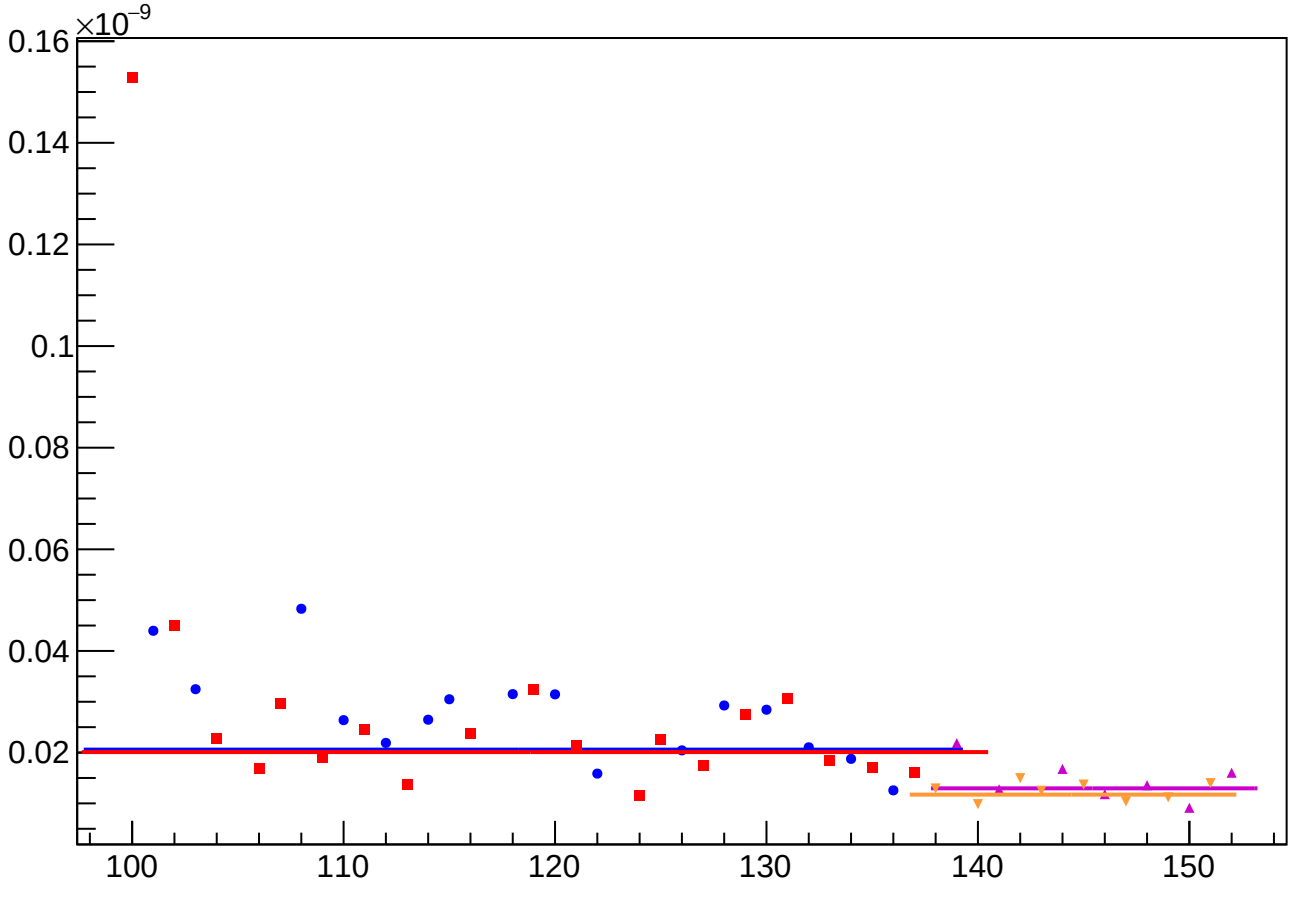
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 12.5/23

All: 0.000+/-0.000 χ^2/NDF: 37.2/49

- sign -0.000+/-0.000 χ^2/NDF: 24.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:150001.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

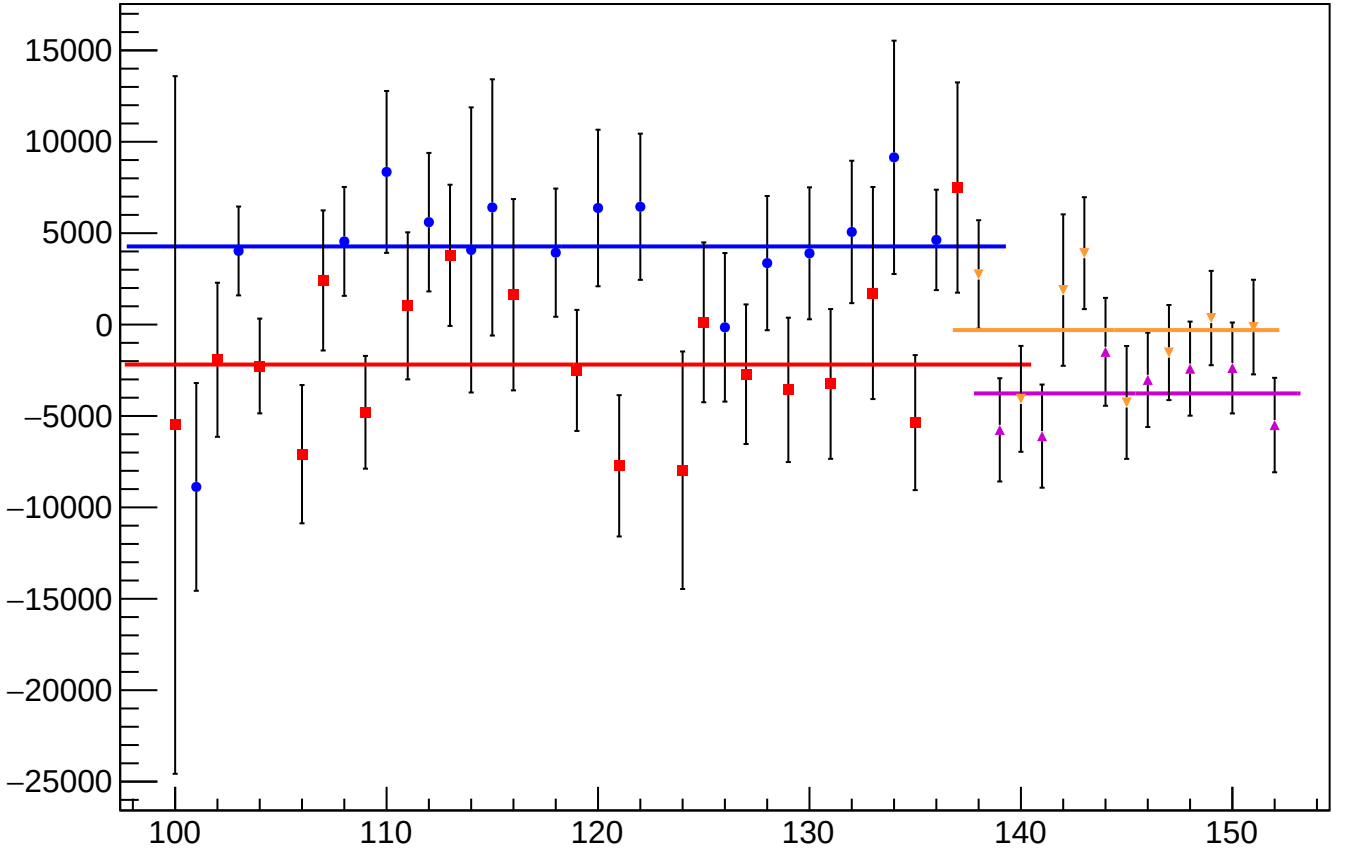
Left In: 0.000+/-0.000 χ^2/NDF:487962.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 2585931.5/23

All: 0.000+/-0.000 χ^2/NDF: 4630767.3/49

- sign 0.000+/-0.000 χ^2/NDF: 2000568.9/25

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -300.868+/-1025.953 χ^2/NDF:6.8/7

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

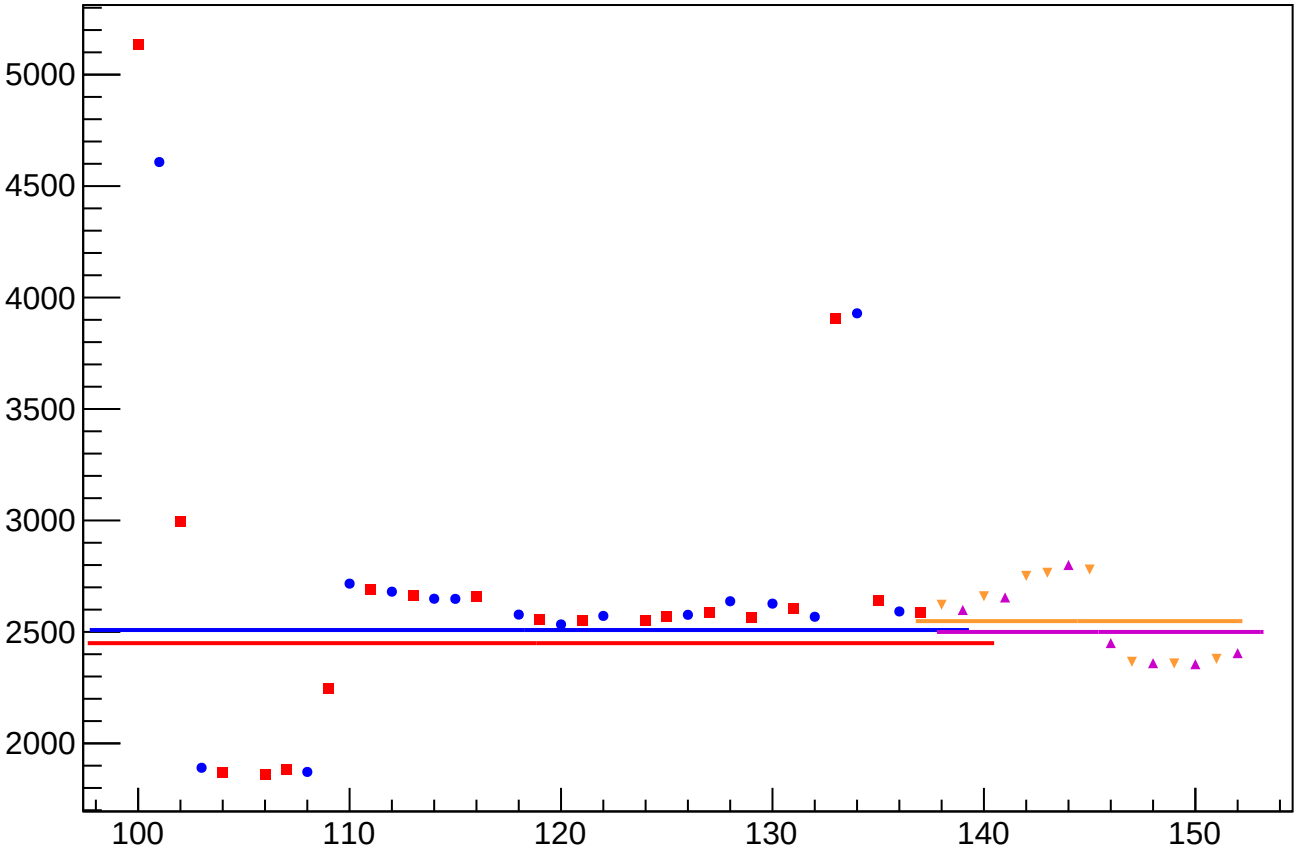
Left In: -3765.966+/-1010.860 χ^2/NDF:2.9/6

+ sign 2157.692+/-697.829 χ^2/NDF: 26.4/23

All: -433.870+/-487.471 χ^2/NDF: 72.4/49

- sign -2903.732+/-681.247 χ^2/NDF: 19.0/25

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2548.509+/-0.725 χ^2/NDF:59466.0/7

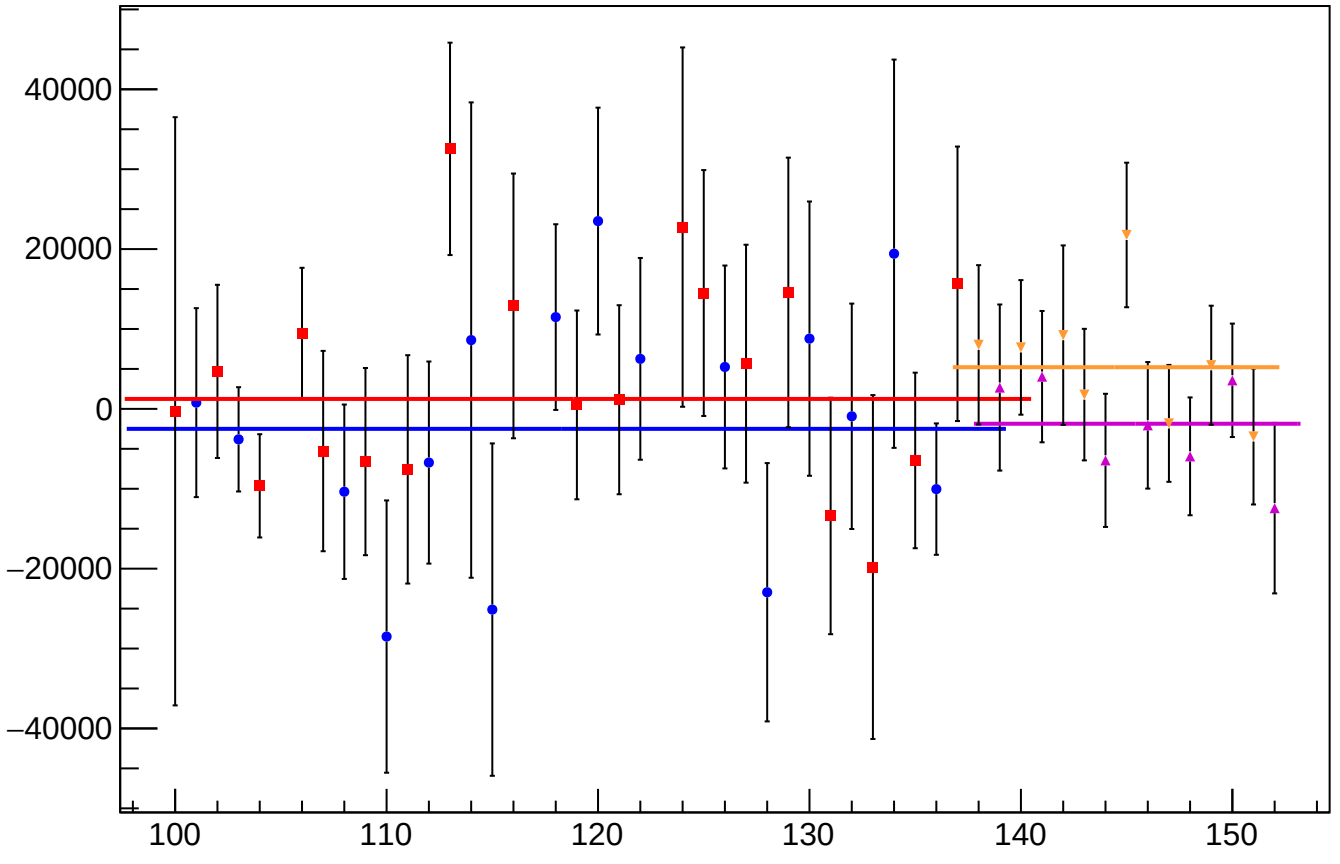
Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2499.908+/-0.715 χ^2/NDF:45292.1/6

+ sign 2526.992+/-0.493 χ^2/NDF: 672692.8/23

All: 2499.071+/-0.345 χ^2/NDF: 1163840.5/49

- sign 2472.461+/-0.482 χ^2/NDF: 484894.5/25



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 5215.502+/-3021.476 χ^2/NDF:5.8/7

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

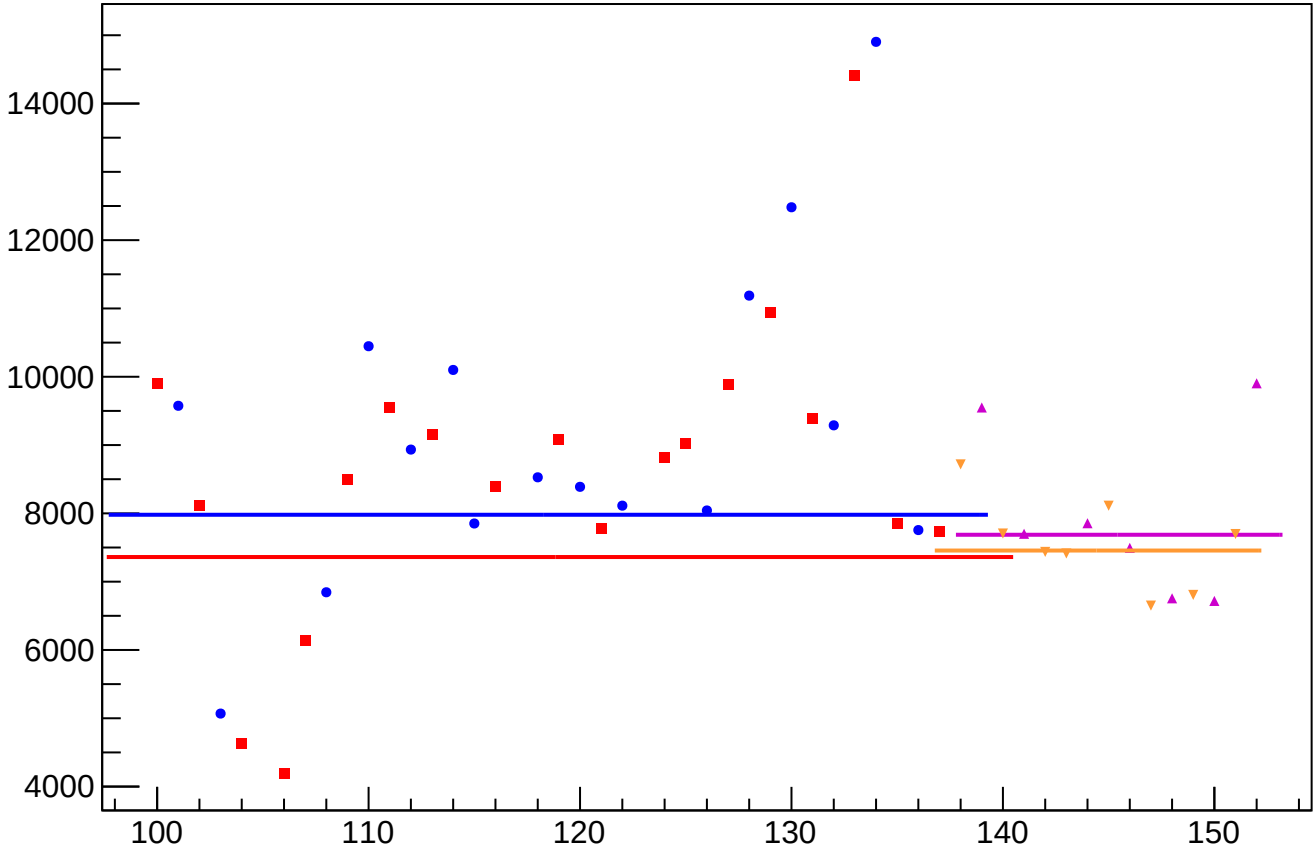
Left In: -1861.402+/-3140.399 χ^2/NDF:2.9/6

+ sign 1425.915+/-2155.380 χ^2/NDF: 22.7/23

All: 616.784+/-1508.360 χ^2/NDF: 43.0/49

- sign -159.797+/-2111.582 χ^2/NDF: 20.0/25

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7455.871+/-2.137 χ^2/NDF:85422.1/7

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

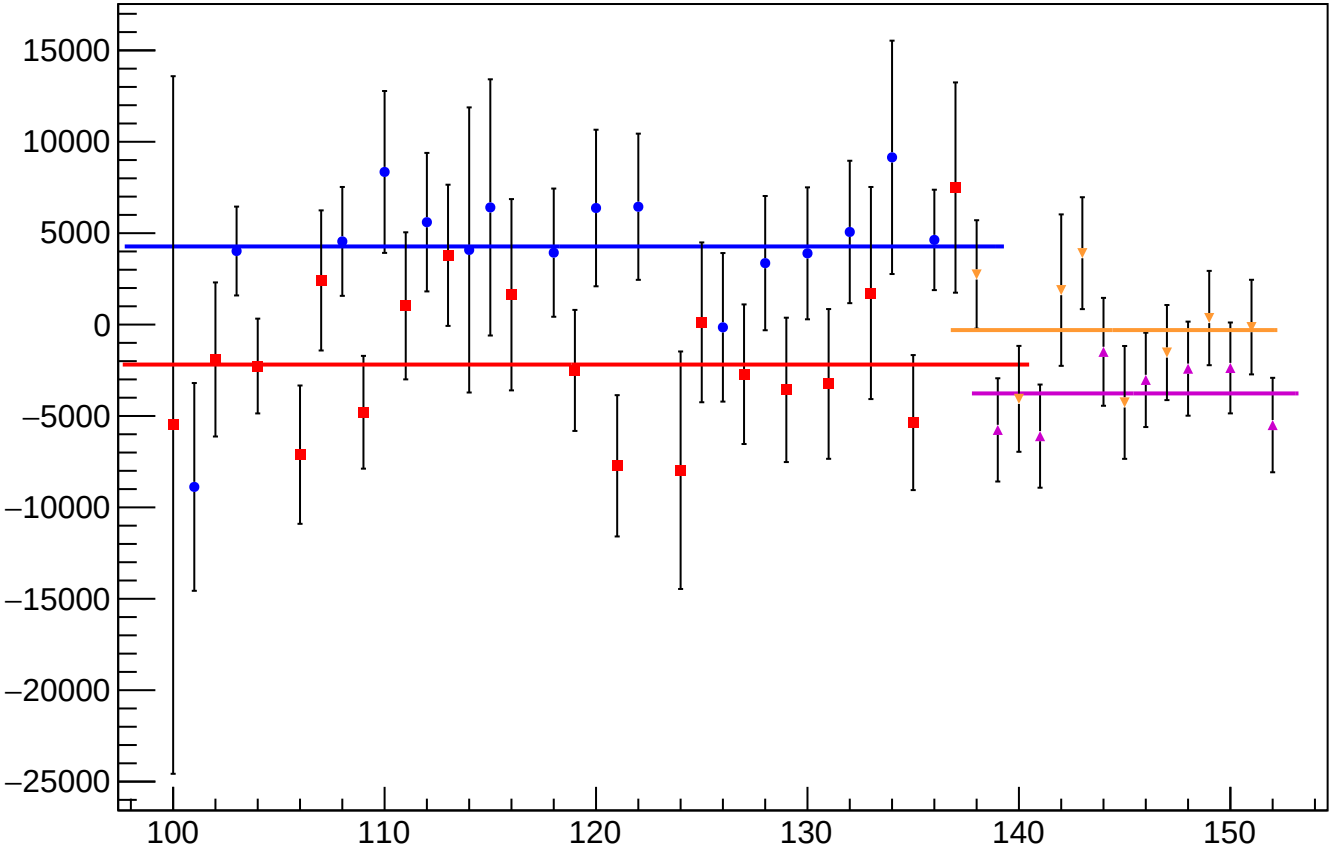
Left In: 7686.727+/-2.221 χ^2/NDF:221704.3/6

+ sign 7713.033+/-1.524 χ^2/NDF: 1038005.3/23

All: 7608.475+/-1.067 χ^2/NDF: 2566749.1/49

- sign 7508.123+/-1.493 χ^2/NDF: 1519520.1/25

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -301.028+/-1025.953 χ^2/NDF:6.8/7

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

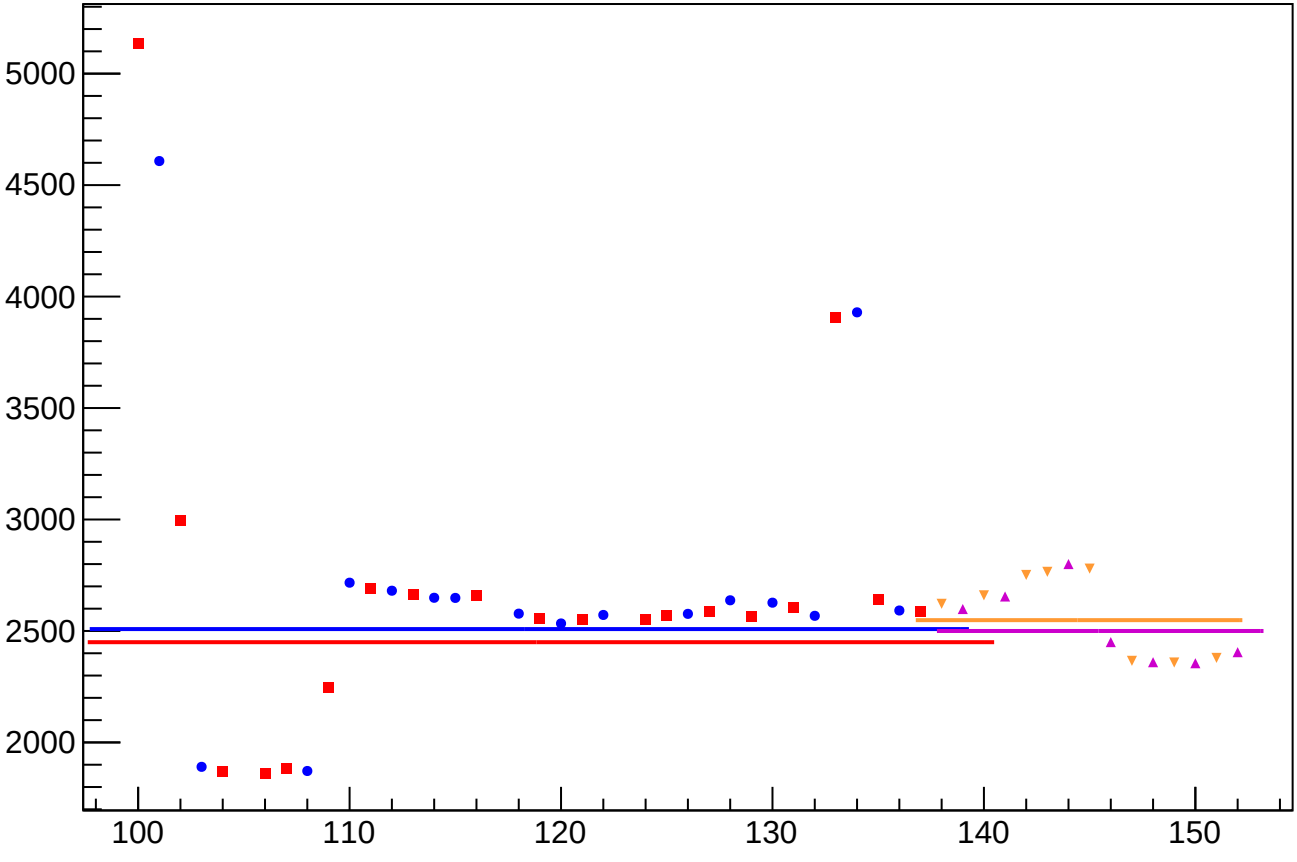
Left In: -3766.073+/-1010.860 χ^2/NDF:2.9/6

+ sign 2157.354+/-697.830 χ^2/NDF: 26.4/23

All: -434.227+/-487.473 χ^2/NDF: 72.4/49

- sign -2904.127+/-681.250 χ^2/NDF: 19.1/25

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2548.509+/-0.725 χ^2/NDF:59466.0/7

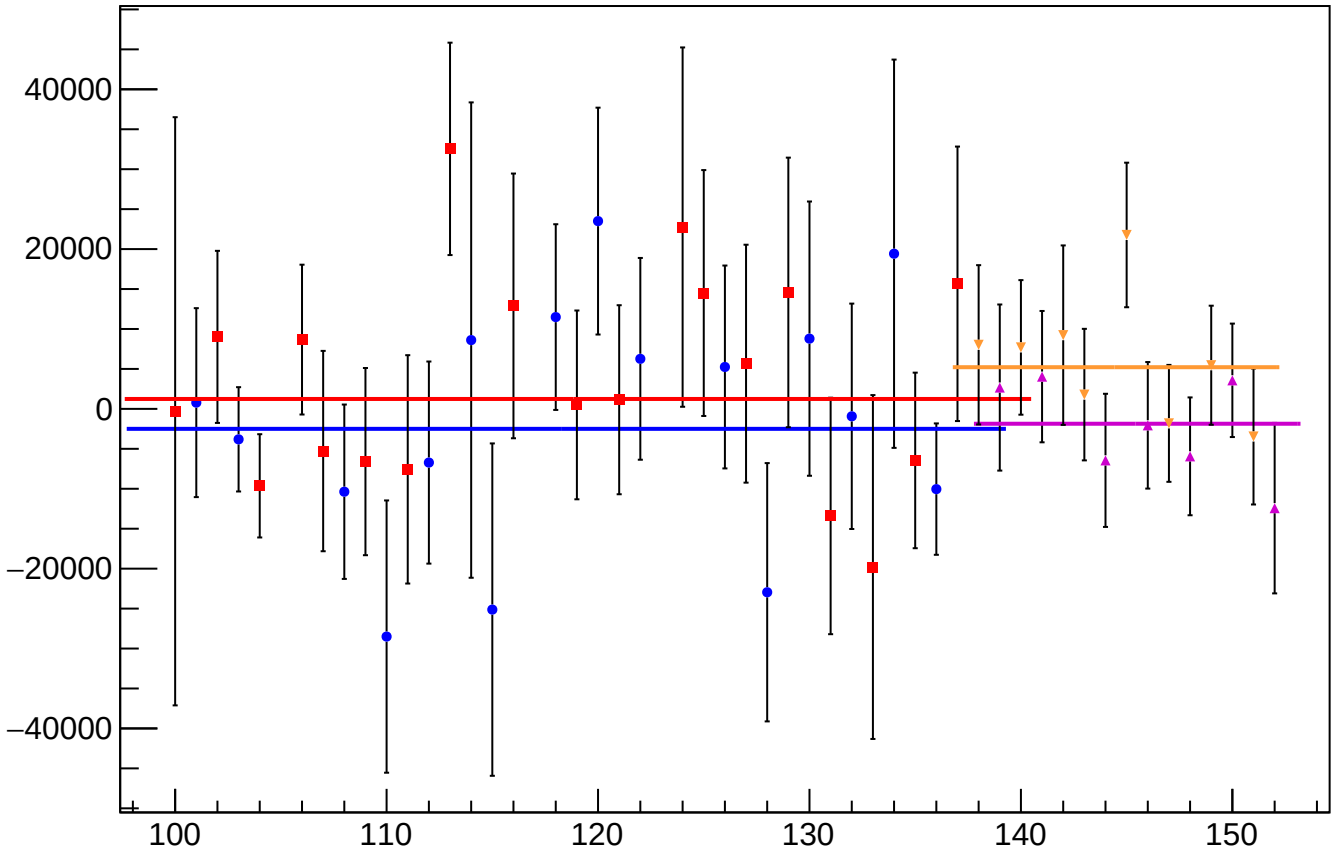
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2499.908+/-0.715 χ^2/NDF:45292.1/6

+ sign 2526.992+/-0.493 χ^2/NDF: 672690.5/23

All: 2499.078+/-0.345 χ^2/NDF: 1163778.2/49

- sign 2472.475+/-0.482 χ^2/NDF: 484837.4/25



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 5215.480+/-3021.469 χ^2/NDF:5.8/7

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

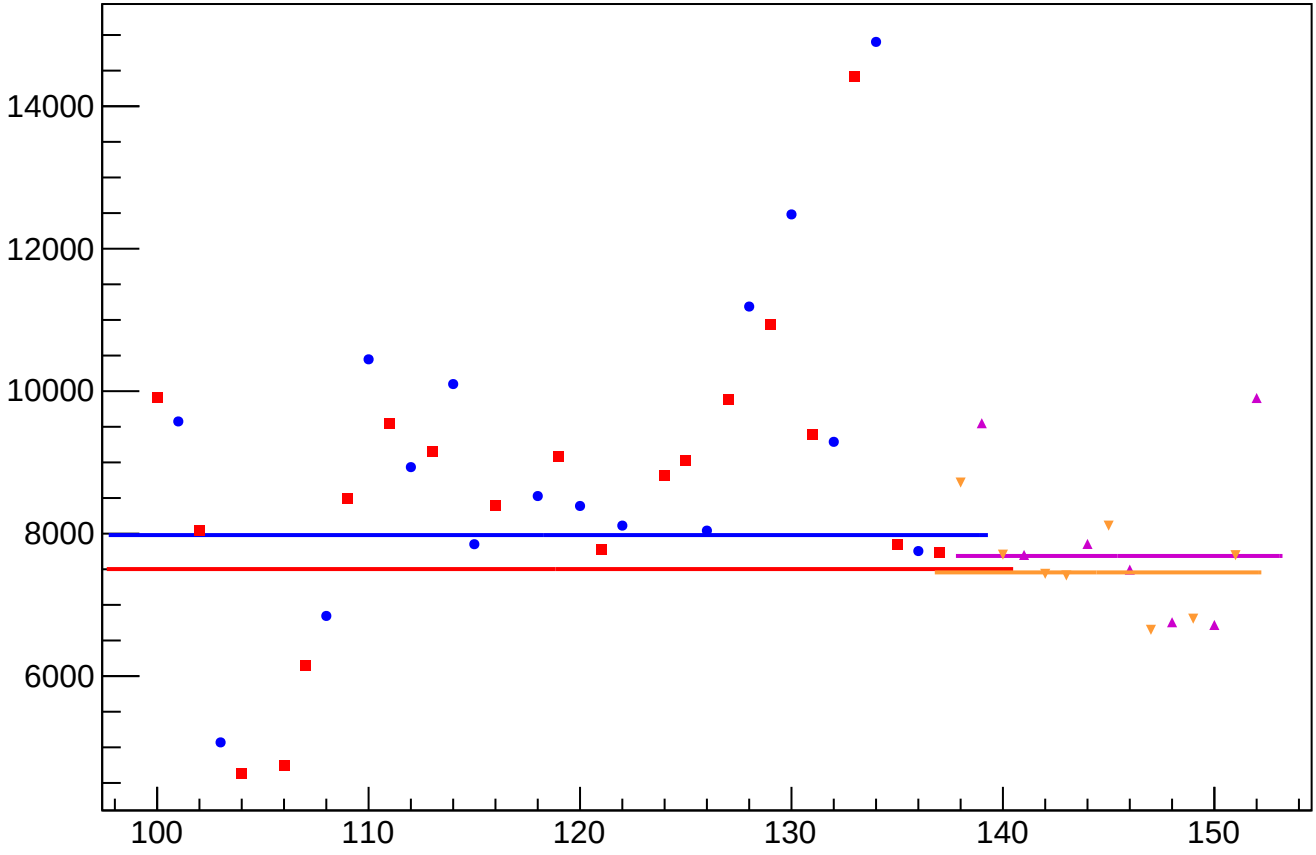
Left In: -1861.547+/-3140.399 χ^2/NDF:2.9/6

+ sign 1426.132+/-2155.408 χ^2/NDF: 22.7/23

All: 610.684+/-1514.298 χ^2/NDF: 43.0/49

- sign -184.112+/-2127.939 χ^2/NDF: 20.0/25

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7455.853+/-2.137 χ^2/NDF:85422.9/7

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

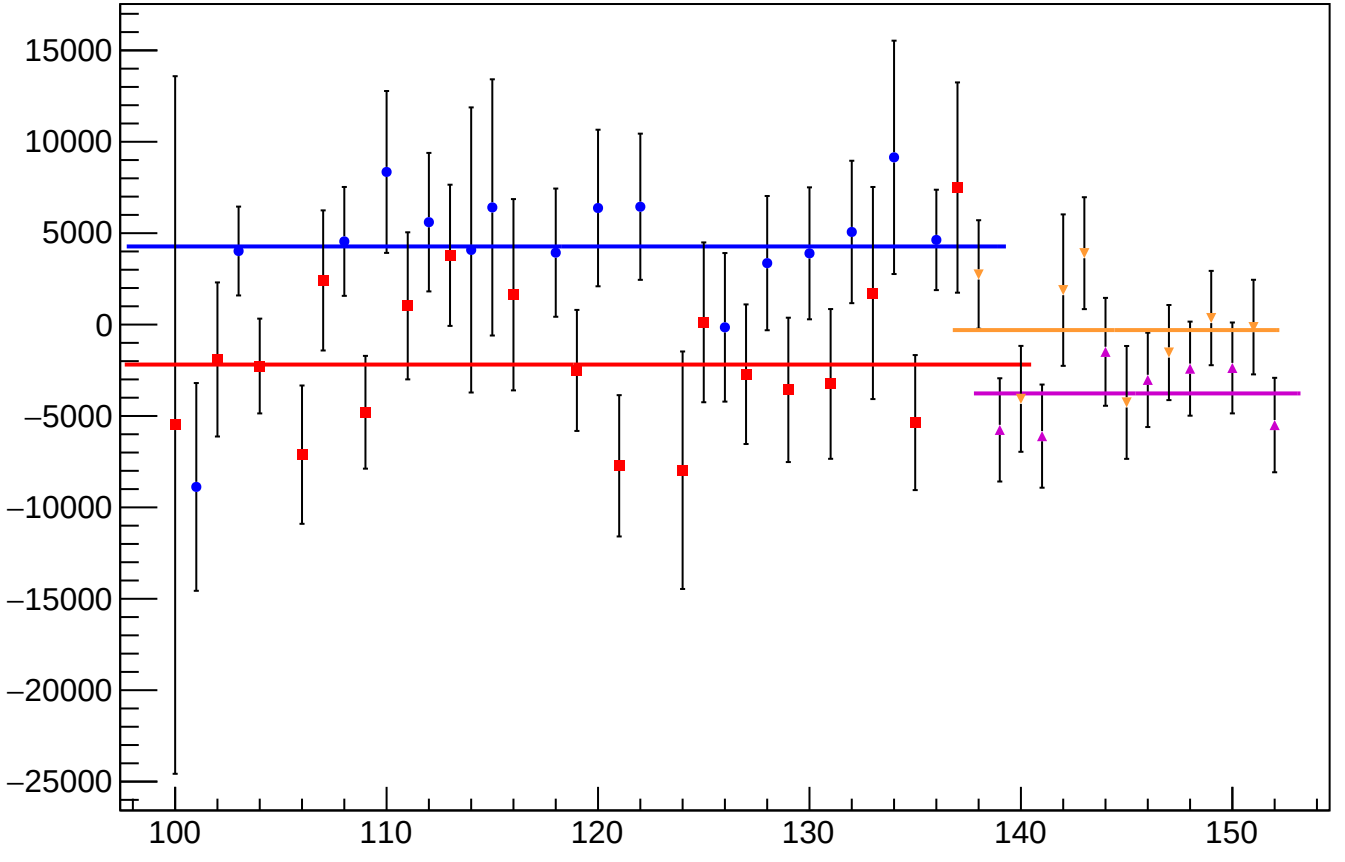
Left In: 7686.726+/-2.221 χ^2/NDF:221707.2/6

+ sign 7713.175+/-1.524 χ^2/NDF: 1037745.4/23

All: 7649.373+/-1.071 χ^2/NDF: 2402151.7/49

- sign 7587.186+/-1.505 χ^2/NDF: 1360945.8/25

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -301.028+/-1025.953 χ^2/NDF:6.8/7

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

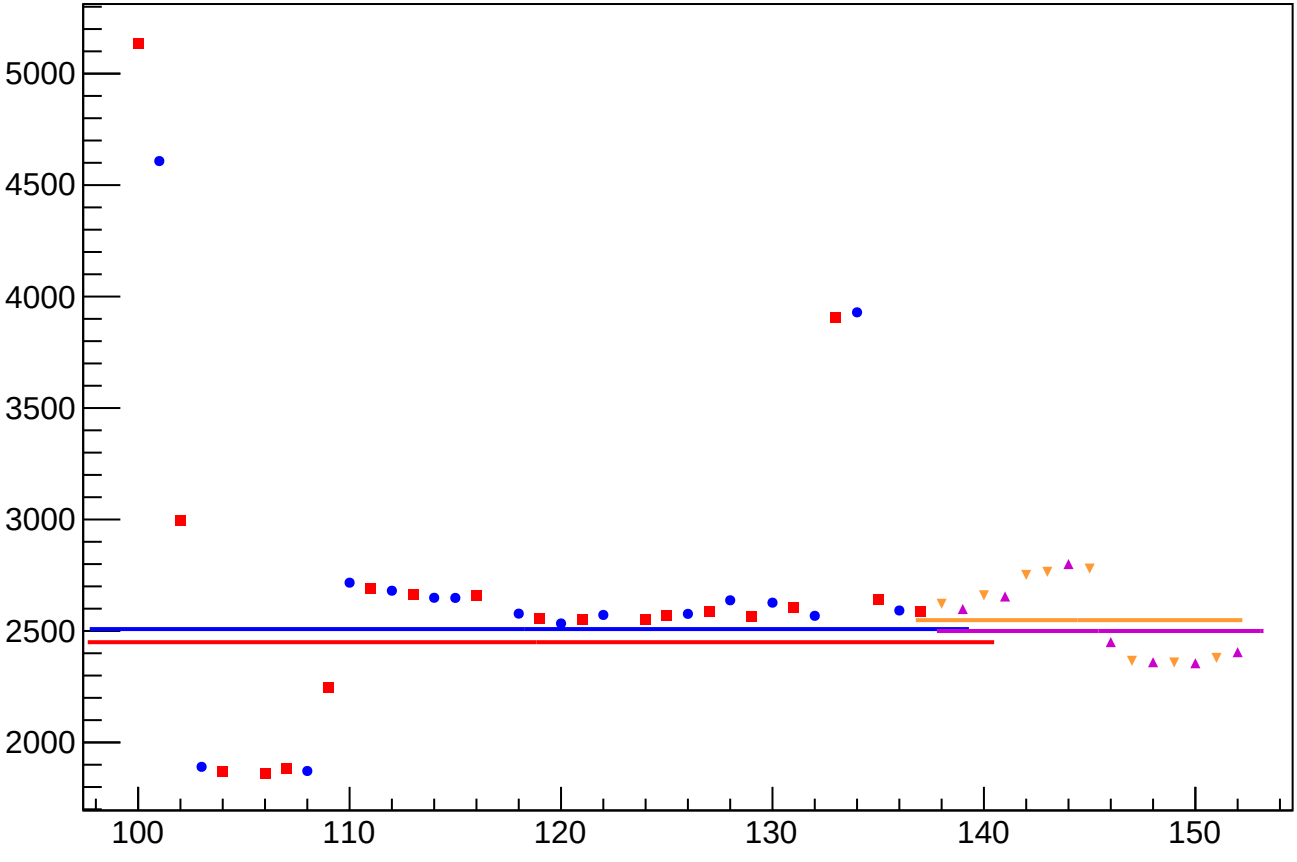
Left In: -3766.073+/-1010.860 χ^2/NDF:2.9/6

+ sign 2157.354+/-697.830 χ^2/NDF: 26.4/23

All: -434.227+/-487.473 χ^2/NDF: 72.4/49

- sign -2904.127+/-681.250 χ^2/NDF: 19.1/25

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2548.509+/-0.725 χ^2/NDF:59466.0/7

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

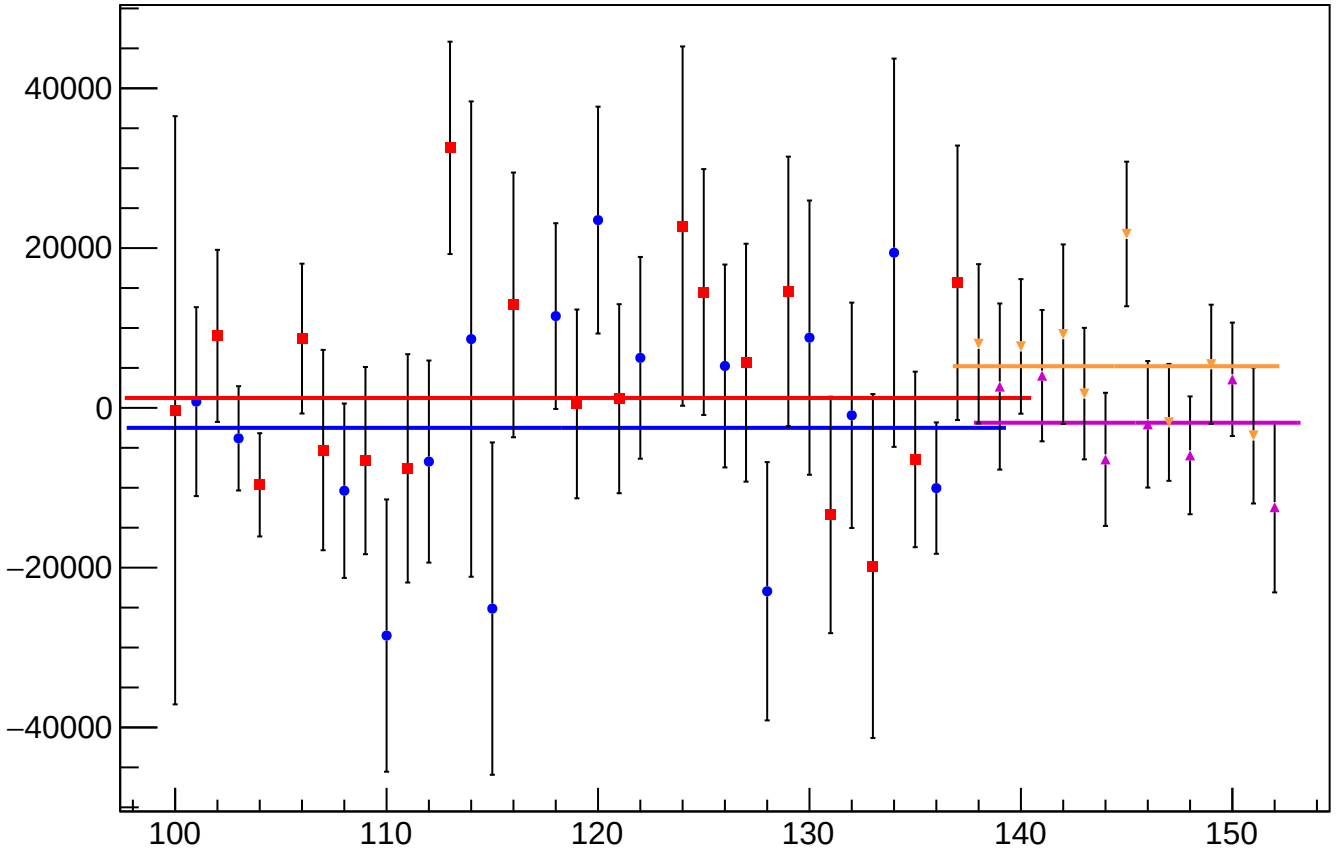
Left In: 2499.908+/-0.715 χ^2/NDF:45292.1/6

+ sign 2526.992+/-0.493 χ^2/NDF: 672690.5/23

All: 2499.078+/-0.345 χ^2/NDF: 1163778.2/49

- sign 2472.475+/-0.482 χ^2/NDF: 484837.4/25

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 5215.480+/-3021.469 χ^2/NDF:5.8/7

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

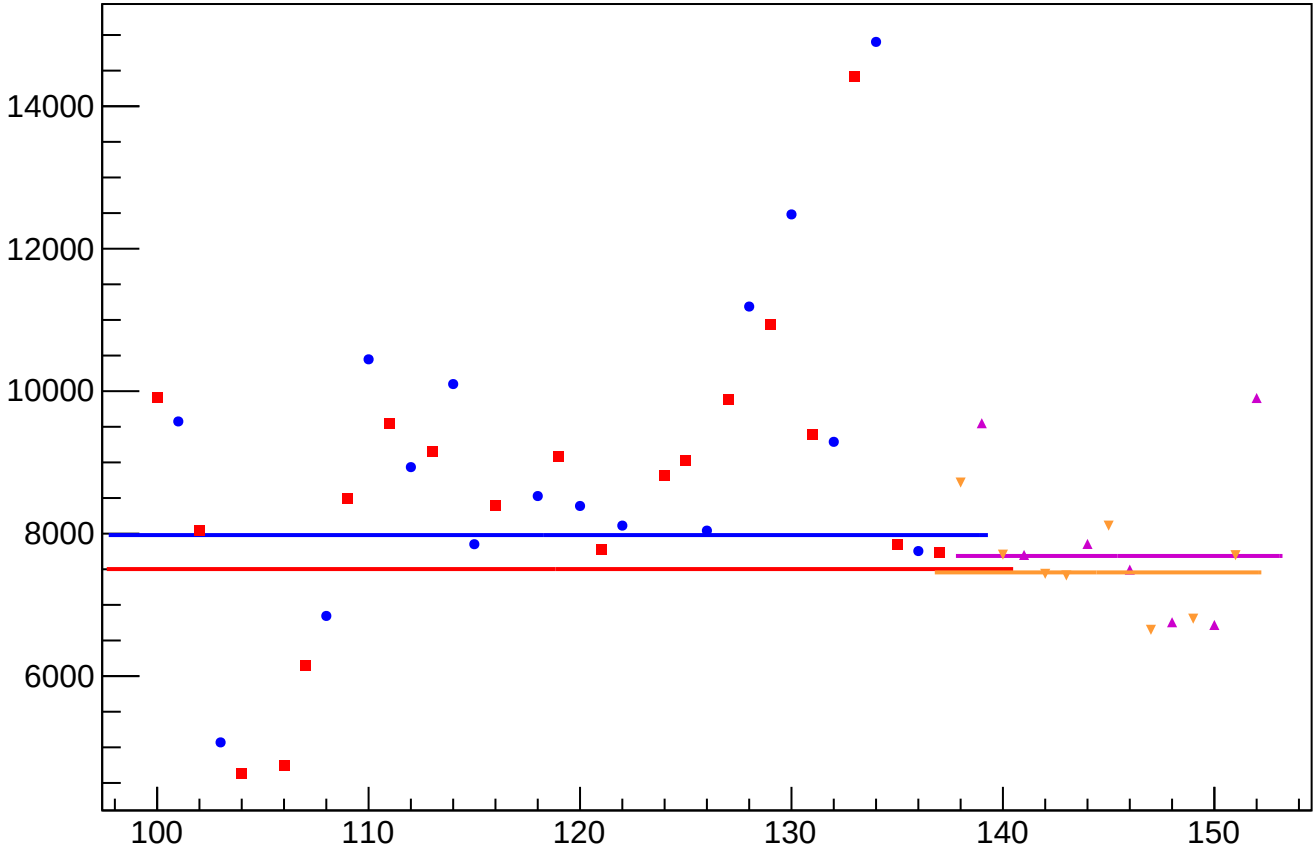
Left In: -1861.547+/-3140.399 χ^2/NDF:2.9/6

+ sign 1426.132+/-2155.408 χ^2/NDF: 22.7/23

All: 610.684+/-1514.298 χ^2/NDF: 43.0/49

- sign -184.112+/-2127.939 χ^2/NDF: 20.0/25

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7455.853+/-2.137 χ^2/NDF:85422.9/7

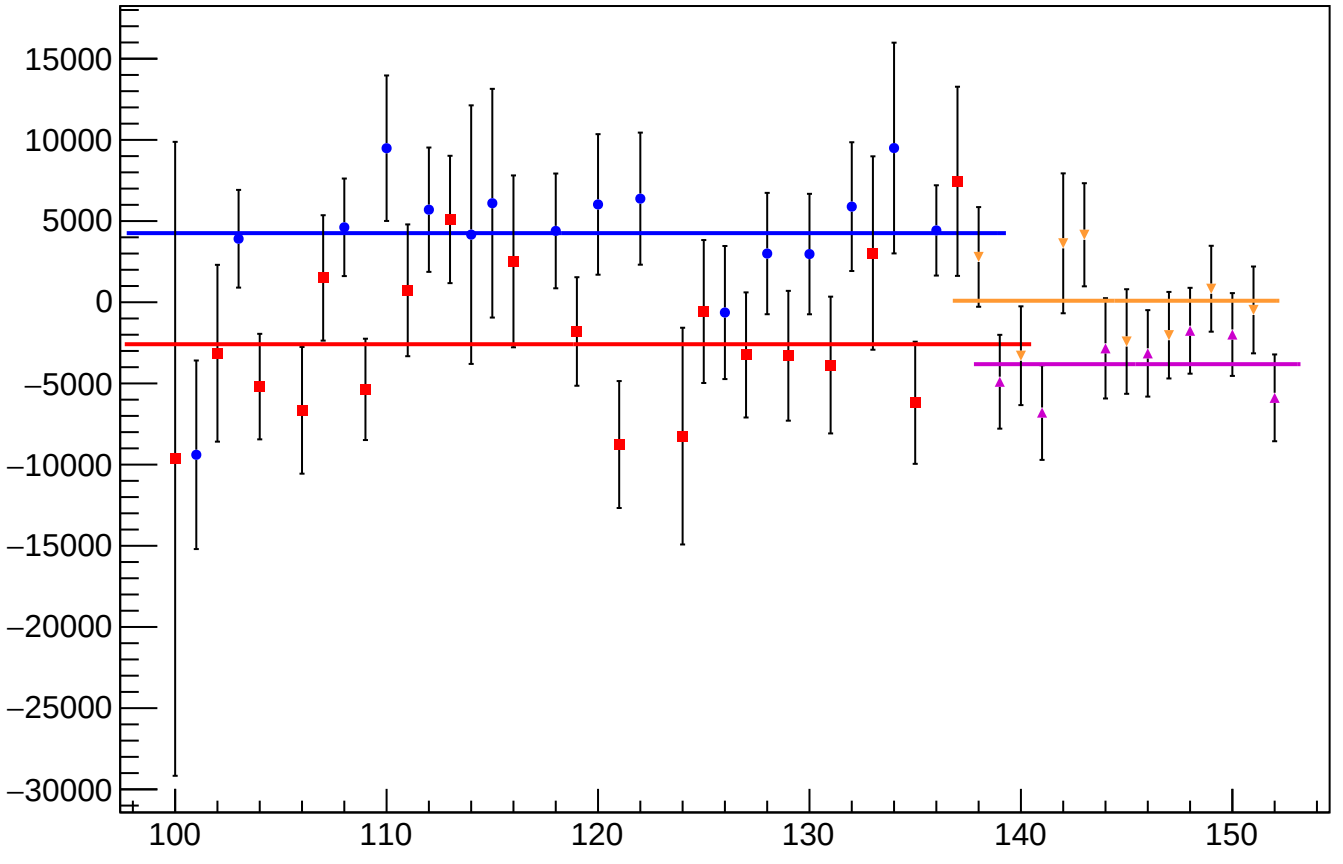
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7686.726+/-2.221 χ^2/NDF:221707.2/6

+ sign 7713.175+/-1.524 χ^2/NDF: 1037745.4/23

All: 7649.373+/-1.071 χ^2/NDF: 2402151.7/49

- sign 7587.186+/-1.505 χ^2/NDF: 1360945.8/25



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 92.359+/-1061.728 χ^2/NDF:5.7/7

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

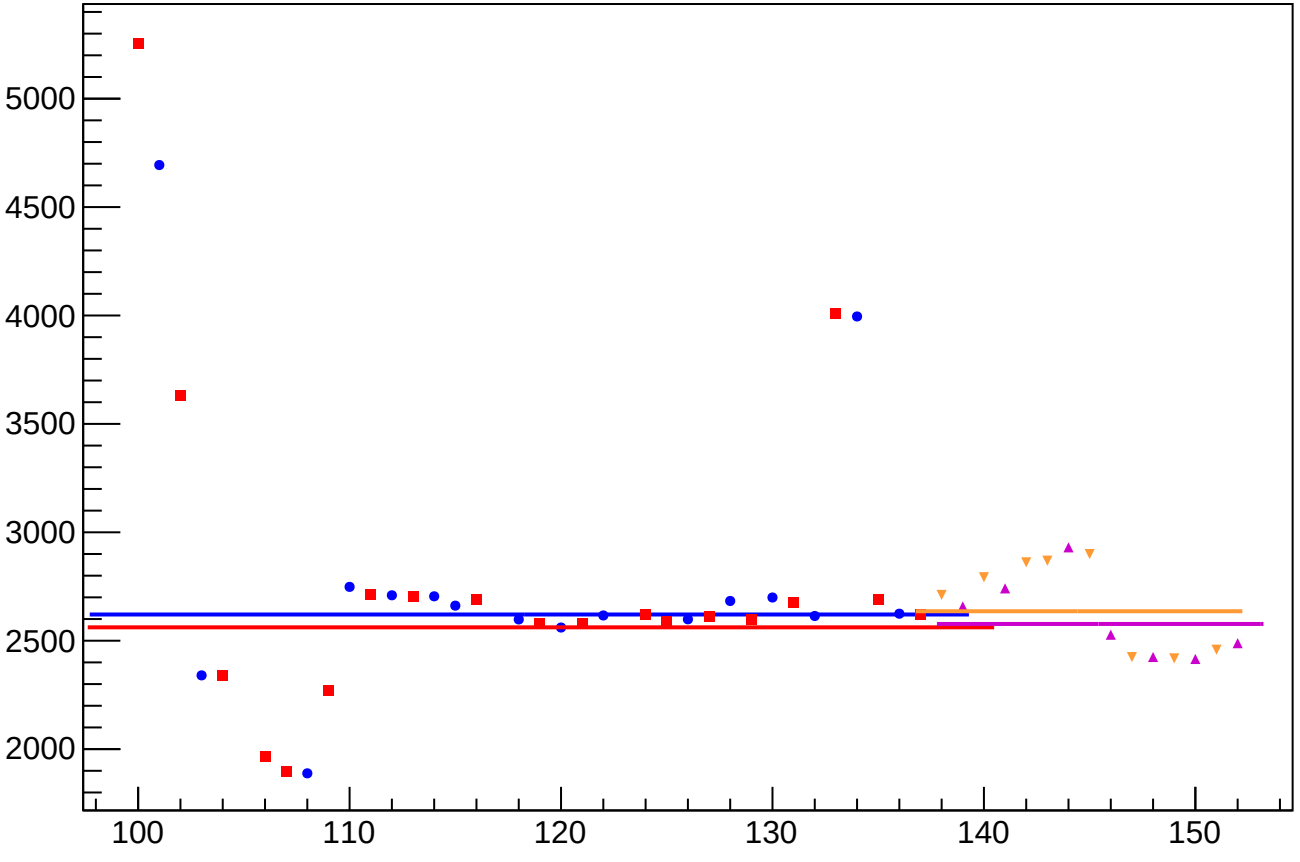
Left In: -3813.446+/-1042.490 χ^2/NDF:3.1/6

+ sign 2318.951+/-724.278 χ^2/NDF: 24.0/23

All: -476.631+/-506.502 χ^2/NDF: 74.6/49

- sign -3152.371+/-708.584 χ^2/NDF: 21.5/25

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2635.903+/-0.751 χ^2/NDF:71093.2/7

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

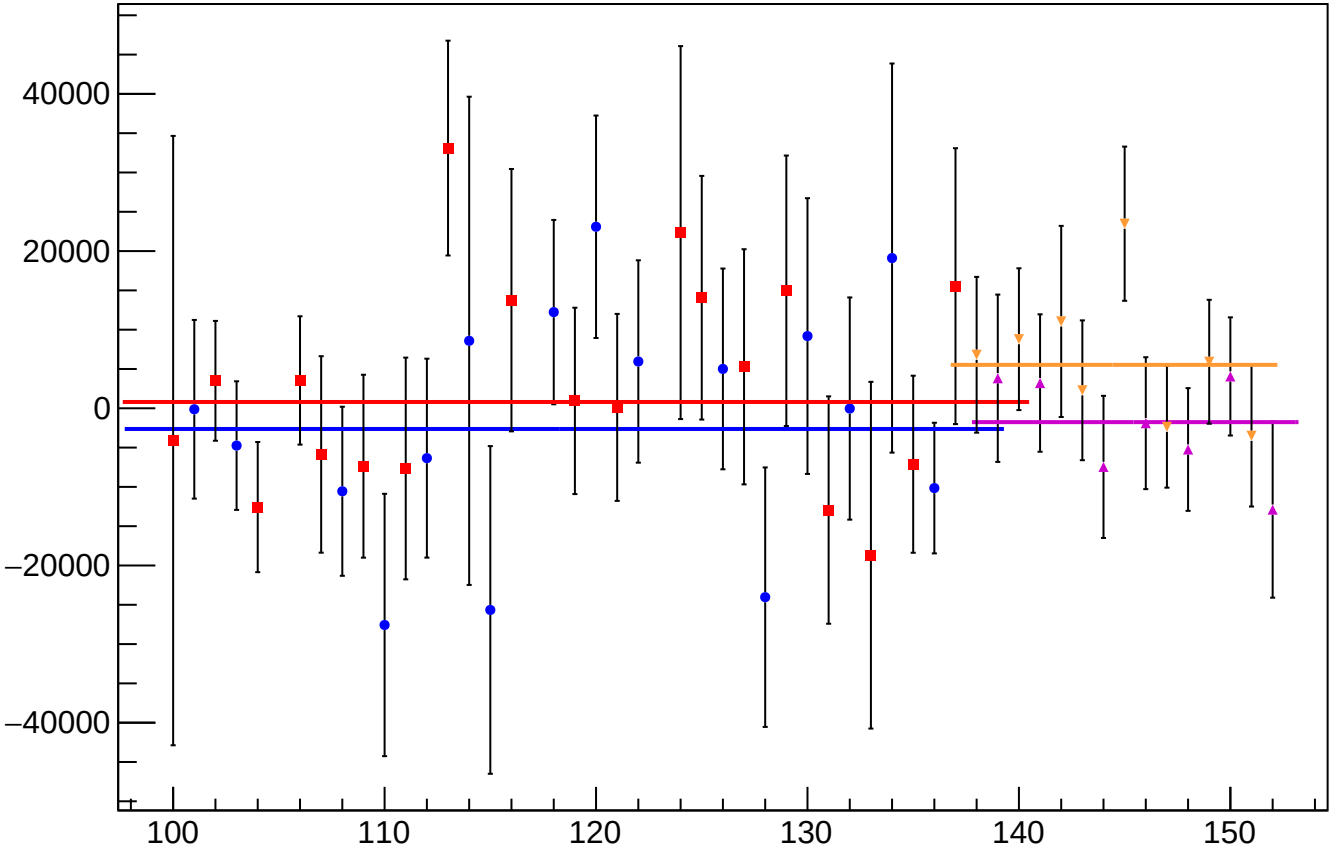
Left In: 2577.307+/-0.737 χ^2/NDF:51649.3/6

+ sign 2627.916+/-0.512 χ^2/NDF: 557219.0/23

All: 2597.760+/-0.358 χ^2/NDF: 994151.8/49

- sign 2568.916+/-0.501 χ^2/NDF: 430149.5/25

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 5525.588+/-3204.855 χ^2/NDF:5.9/7

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

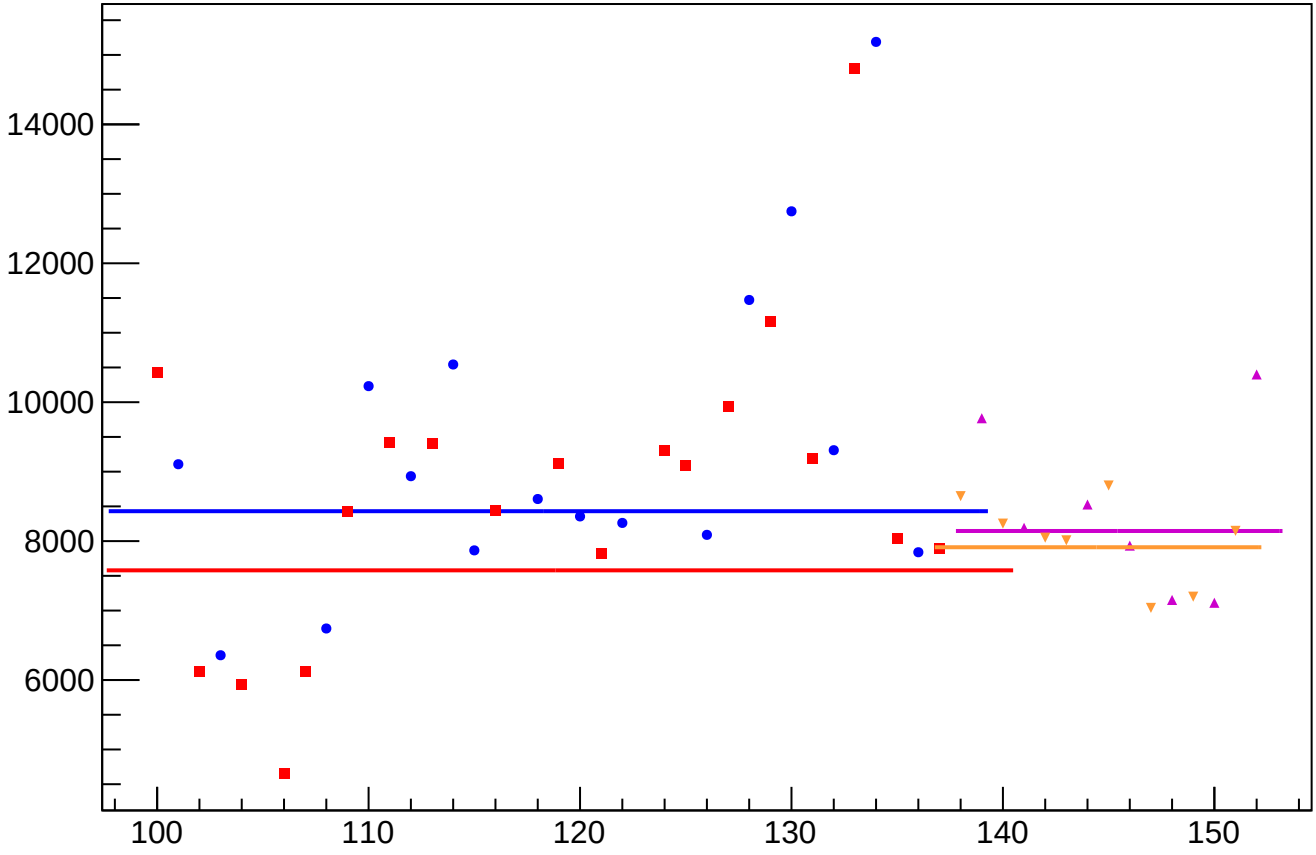
Left In: -1762.353+/-3325.681 χ^2/NDF:2.8/6

+ sign 1455.289+/-2268.523 χ^2/NDF: 22.9/23

All: 543.796+/-1569.625 χ^2/NDF: 41.7/49

- sign -293.367+/-2174.059 χ^2/NDF: 18.5/25

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 7911.660+/-2.266 χ^2/NDF:73888.9/7

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

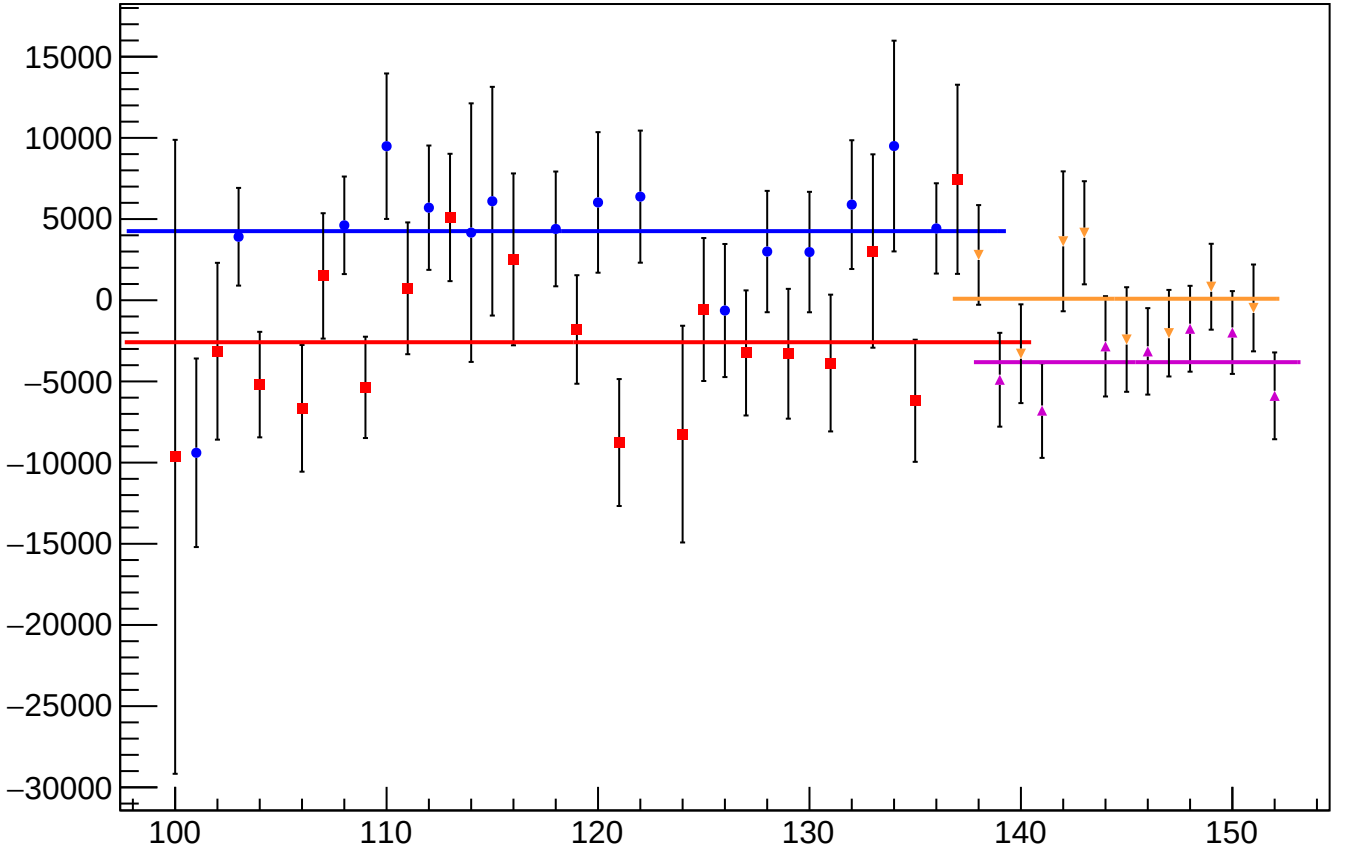
Left In: 8145.735+/-2.352 χ^2/NDF:202472.6/6

+ sign 8170.676+/-1.604 χ^2/NDF: 680365.7/23

All: 7988.540+/-1.110 χ^2/NDF: 1914945.4/49

- sign 7821.257+/-1.537 χ^2/NDF: 1209846.2/25

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 92.355+/-1061.729 χ^2/NDF:5.7/7

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

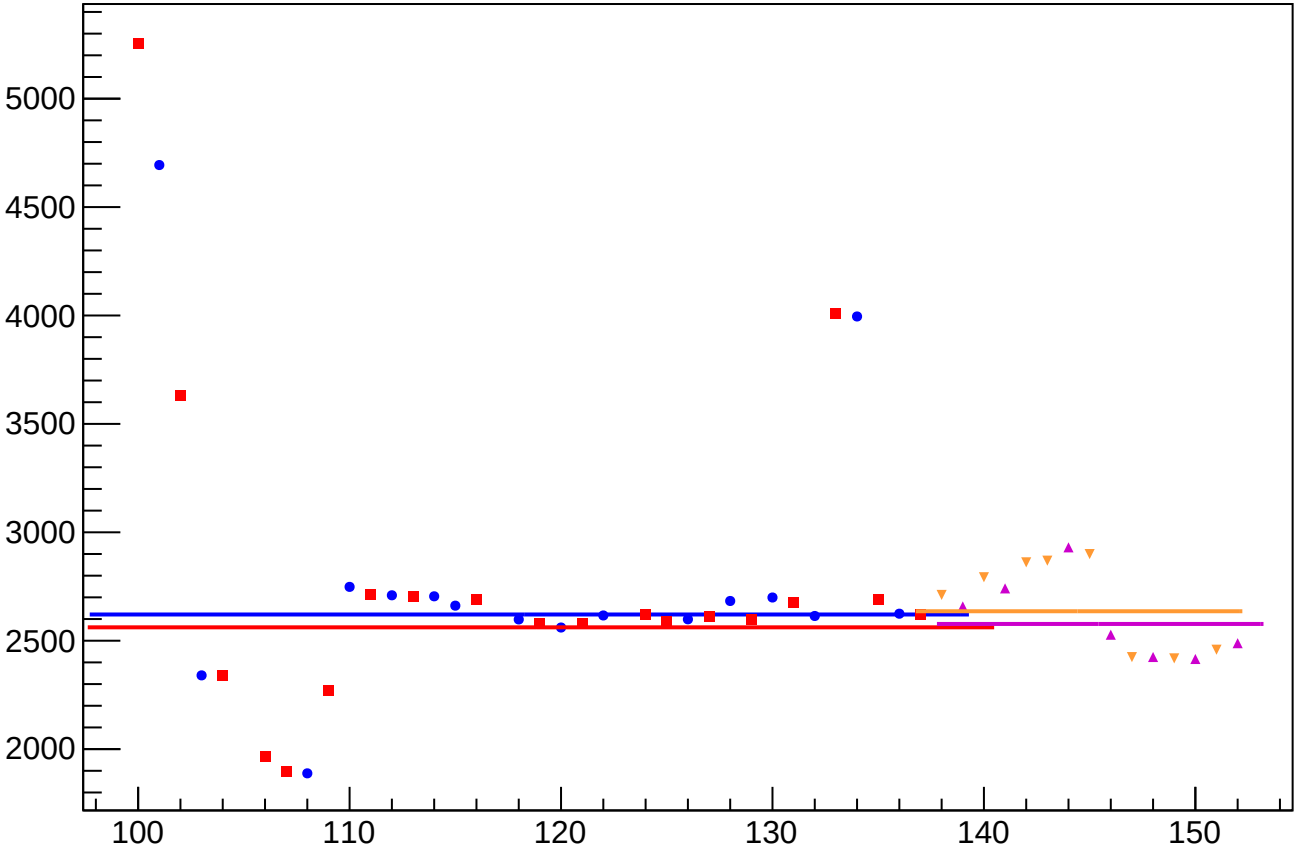
Left In: -3813.439+/-1042.491 χ^2/NDF:3.1/6

+ sign 2318.955+/-724.279 χ^2/NDF: 24.0/23

All: -476.630+/-506.502 χ^2/NDF: 74.6/49

- sign -3152.373+/-708.584 χ^2/NDF: 21.5/25

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2635.905+/-0.751 χ^2/NDF:71093.3/7

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

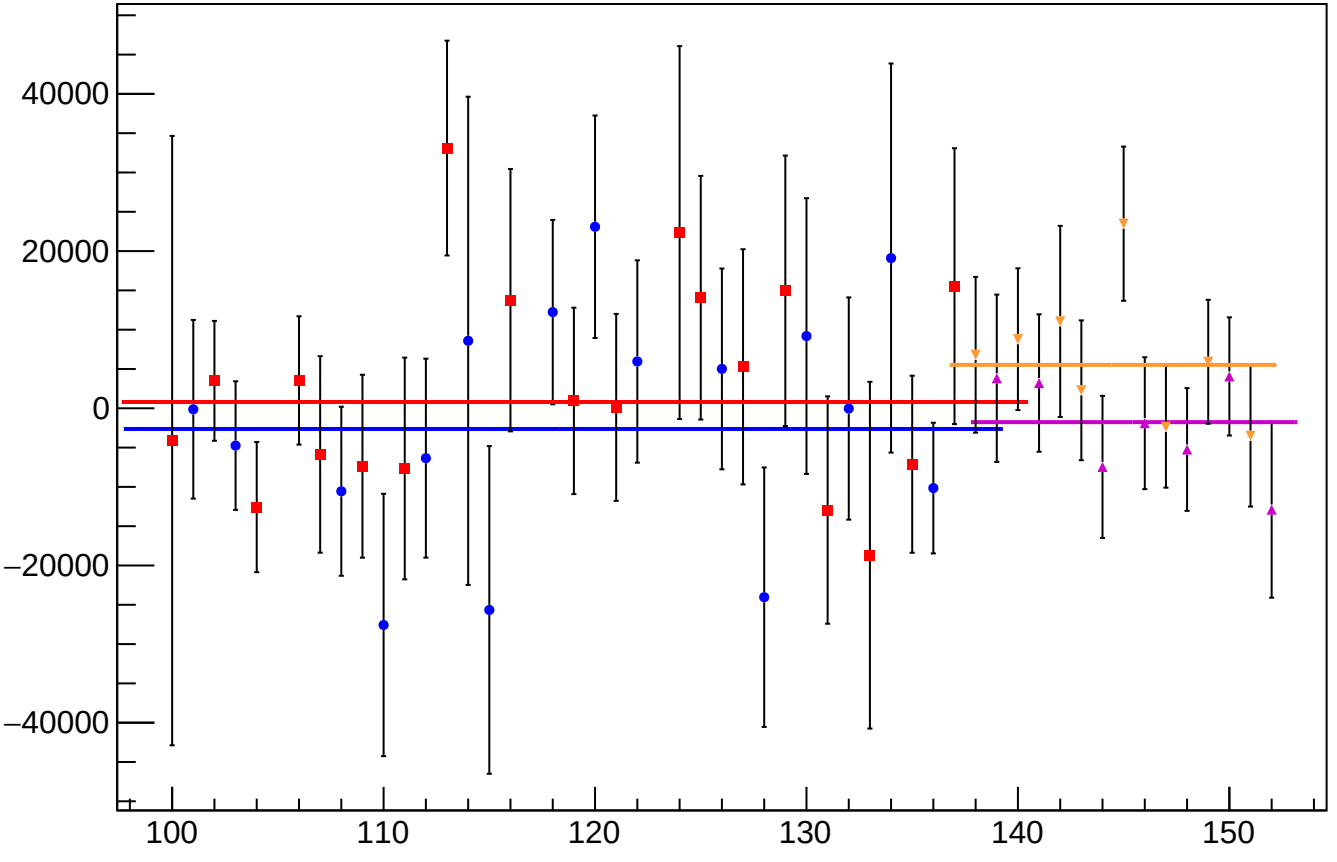
Left In: 2577.308+/-0.737 χ^2/NDF:51649.1/6

+ sign 2627.916+/-0.512 χ^2/NDF: 557219.5/23

All: 2597.761+/-0.358 χ^2/NDF: 994151.4/49

- sign 2568.916+/-0.501 χ^2/NDF: 430148.8/25

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 5525.589+/-3204.860 χ^2/NDF:5.9/7

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

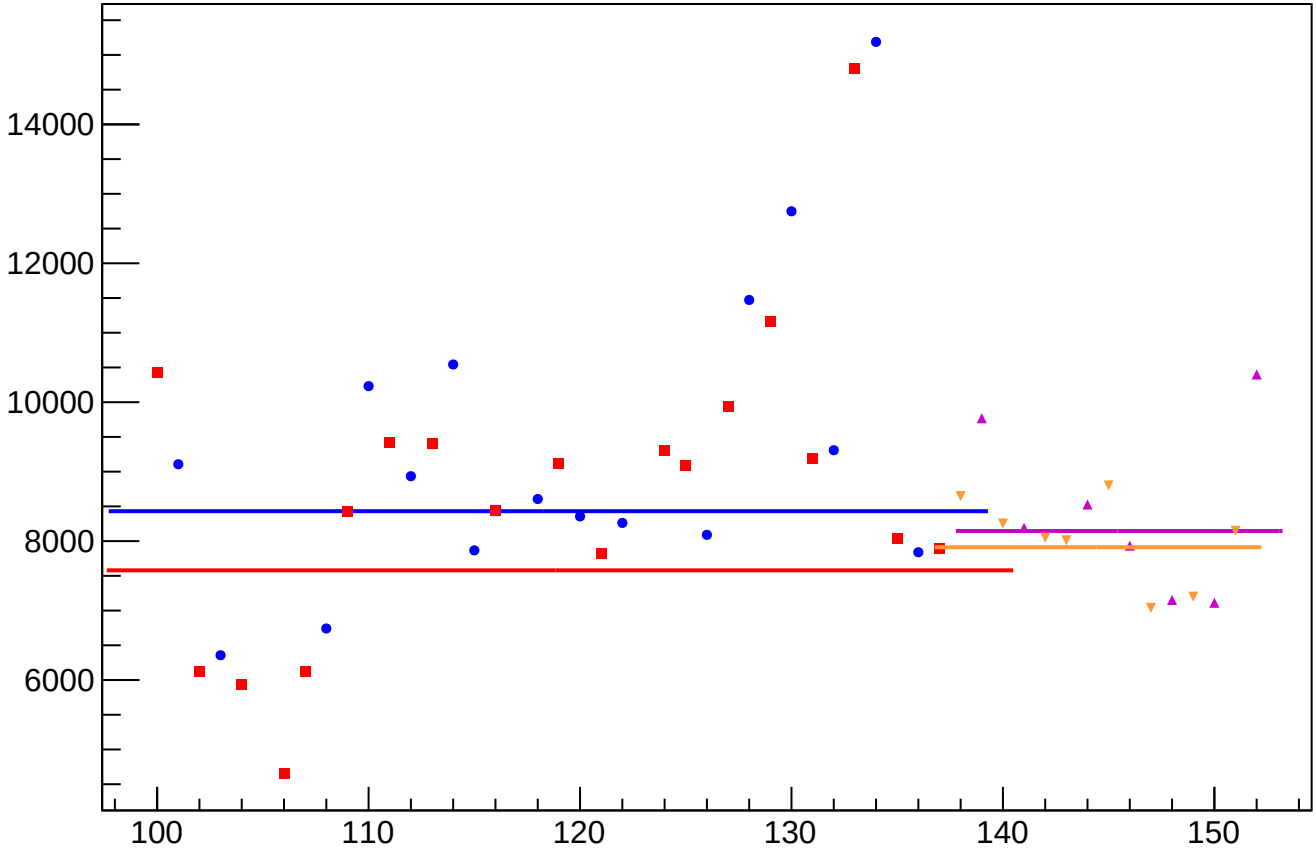
Left In: -1762.348+/-3325.686 χ^2/NDF:2.8/6

+ sign 1455.295+/-2268.523 χ^2/NDF: 22.9/23

All: 543.801+/-1569.624 χ^2/NDF: 41.7/49

- sign -293.363+/-2174.058 χ^2/NDF: 18.5/25

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 7911.671+/-2.266 χ^2/NDF:73888.8/7

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

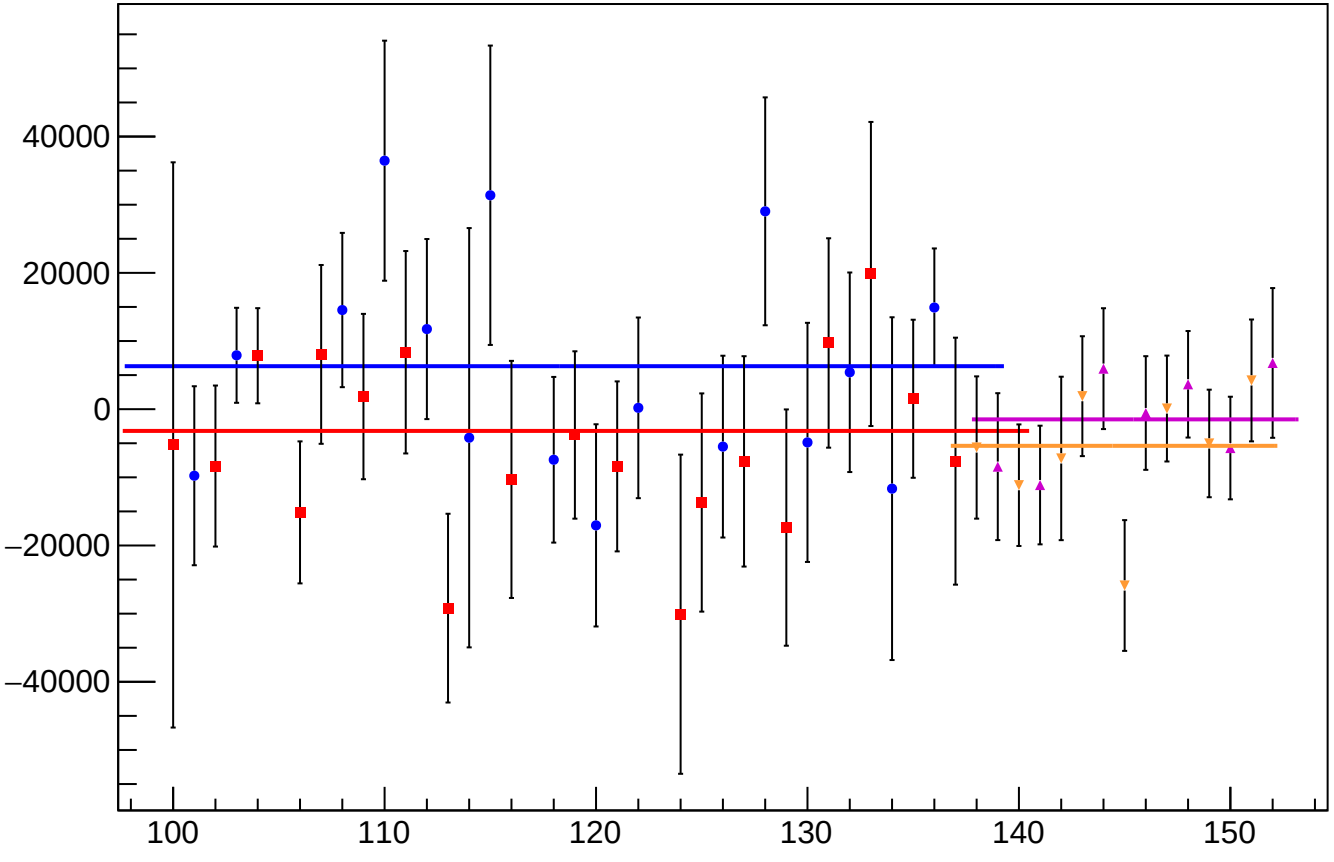
Left In: 8145.747+/-2.352 χ^2/NDF:202471.4/6

+ sign 8170.677+/-1.604 χ^2/NDF: 680357.7/23

All: 7988.539+/-1.110 χ^2/NDF: 1914935.7/49

- sign 7821.255+/-1.537 χ^2/NDF: 1209844.0/25

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -5376.853+/-3200.171 χ^2/NDF:7.3/7

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

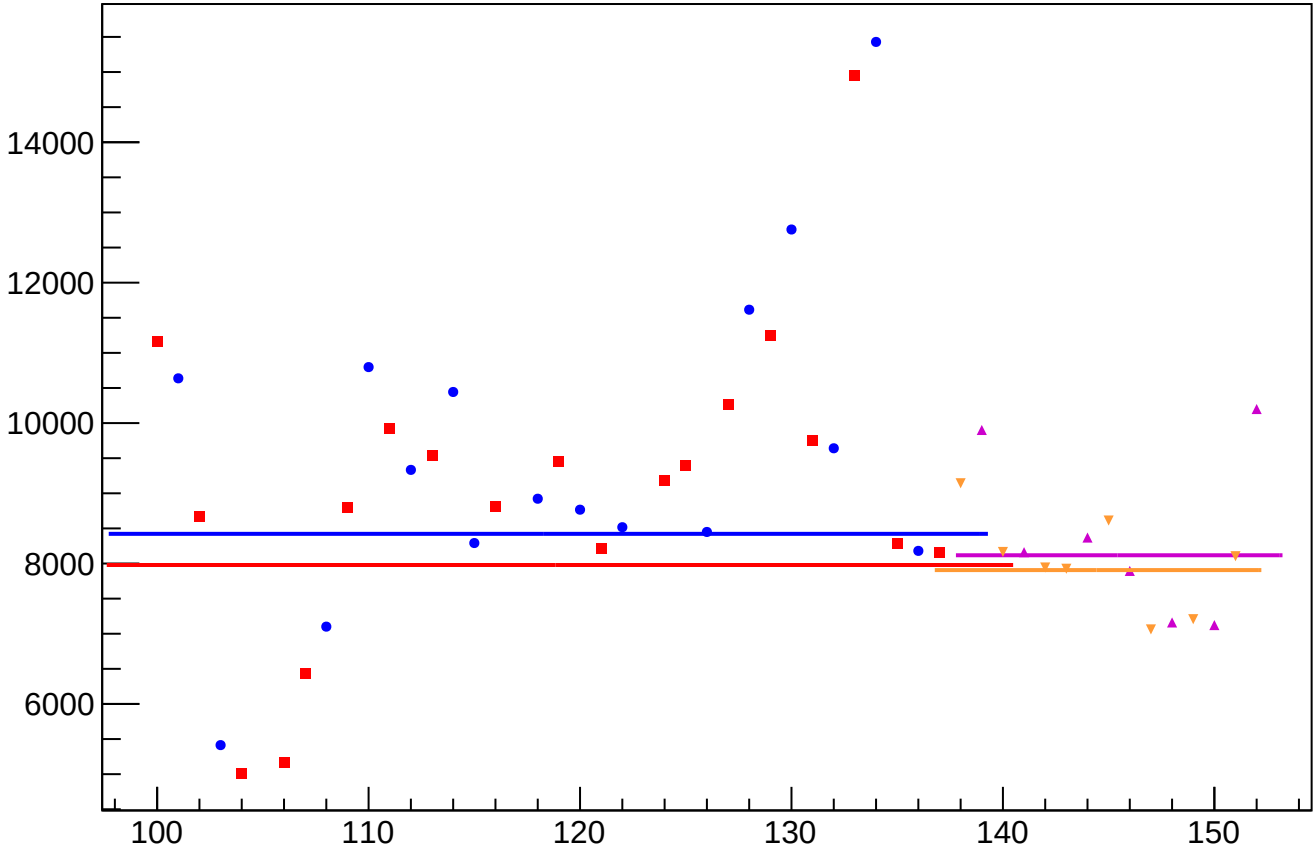
Left In: -1495.892+/-3310.823 χ^2/NDF:3.7/6

+ sign 393.370+/-2276.710 χ^2/NDF: 29.0/23

All: -1022.867+/-1600.570 χ^2/NDF: 47.5/49

- sign -2406.819+/-2250.611 χ^2/NDF: 17.7/25

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 7906.450+/-2.263 χ^2/NDF:80946.5/7

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

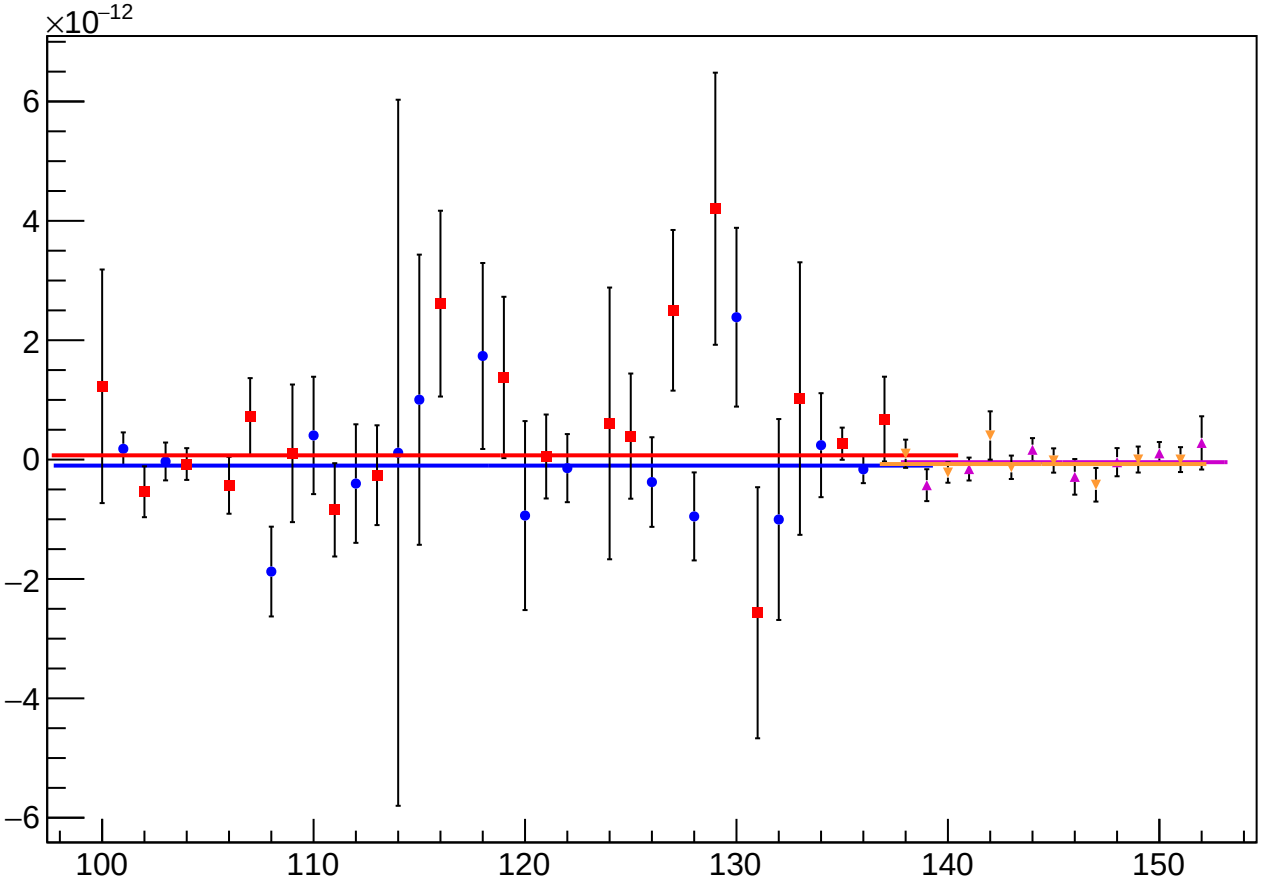
Left In: 8117.601+/-2.341 χ^2/NDF:194724.8/6

+ sign 8161.415+/-1.610 χ^2/NDF: 988486.6/23

All: 8101.546+/-1.132 χ^2/NDF: 2203850.3/49

- sign 8043.044+/-1.591 χ^2/NDF: 1212629.3/25

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:4.6/7

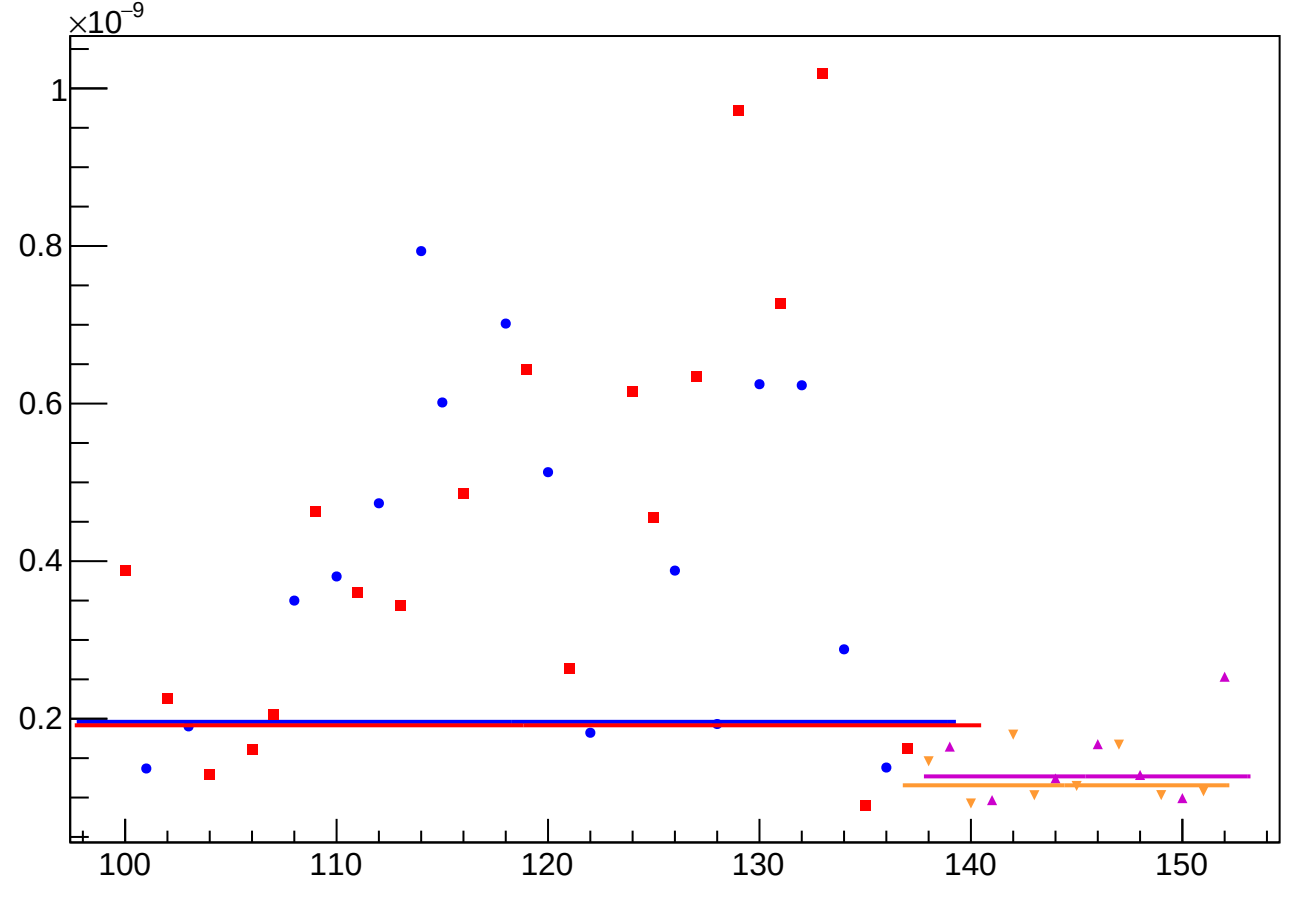
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 18.2/23

All: -0.000+/-0.000 χ^2/NDF: 44.2/49

- sign -0.000+/-0.000 χ^2/NDF: 25.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:205246.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

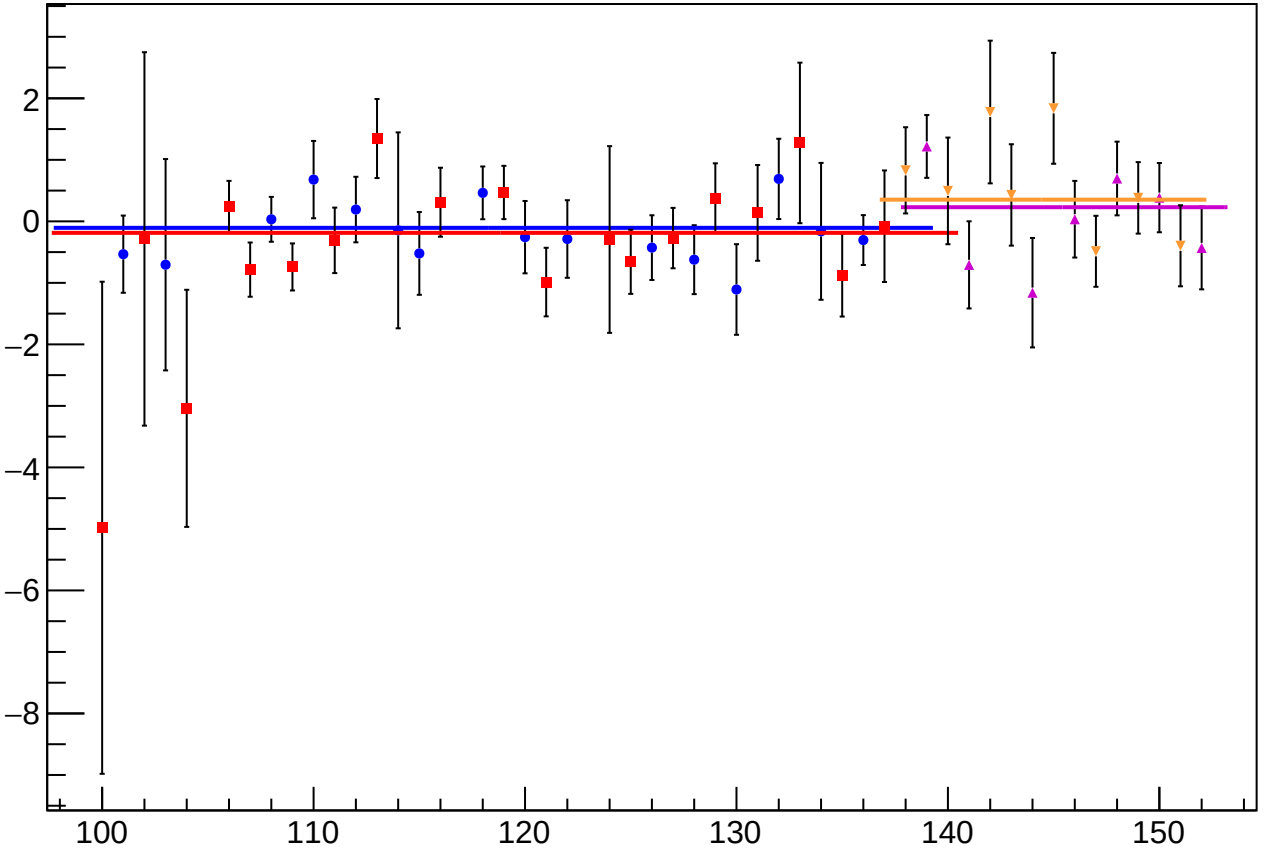
Left In: 0.000+/-0.000 χ^2/NDF:330750.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 2086292.4/23

All: 0.000+/-0.000 χ^2/NDF: 4811500.8/49

- sign 0.000+/-0.000 χ^2/NDF: 2707074.0/25

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.353+/-0.258 χ^2/NDF:8.1/7

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

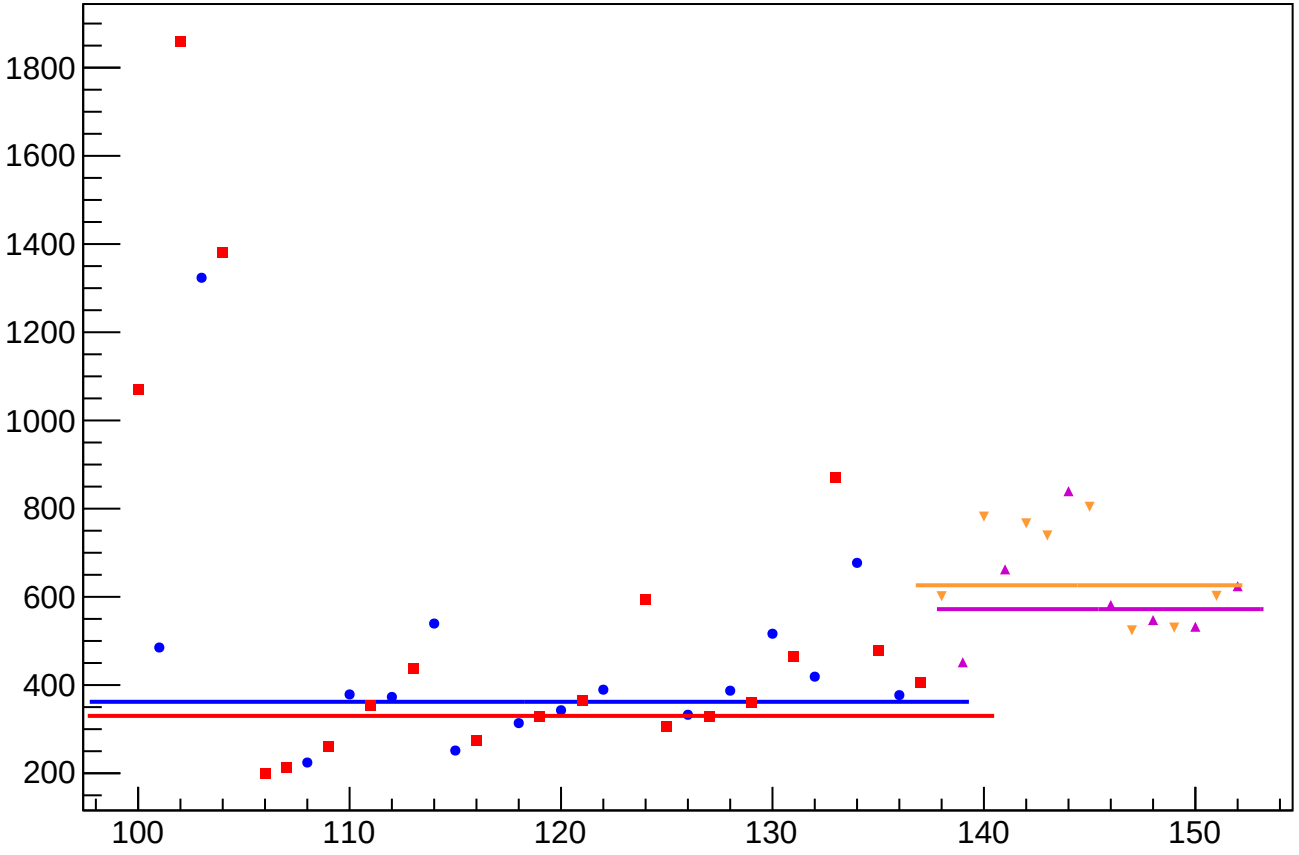
Left In: 0.230+/-0.237 χ^2/NDF:9.7/6

+ sign 0.004+/-0.126 χ^2/NDF: 20.2/23

All: -0.041+/-0.087 χ^2/NDF: 56.3/49

- sign -0.082+/-0.119 χ^2/NDF: 35.9/25

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 626.237+/-0.182 χ^2/NDF:331882.8/7

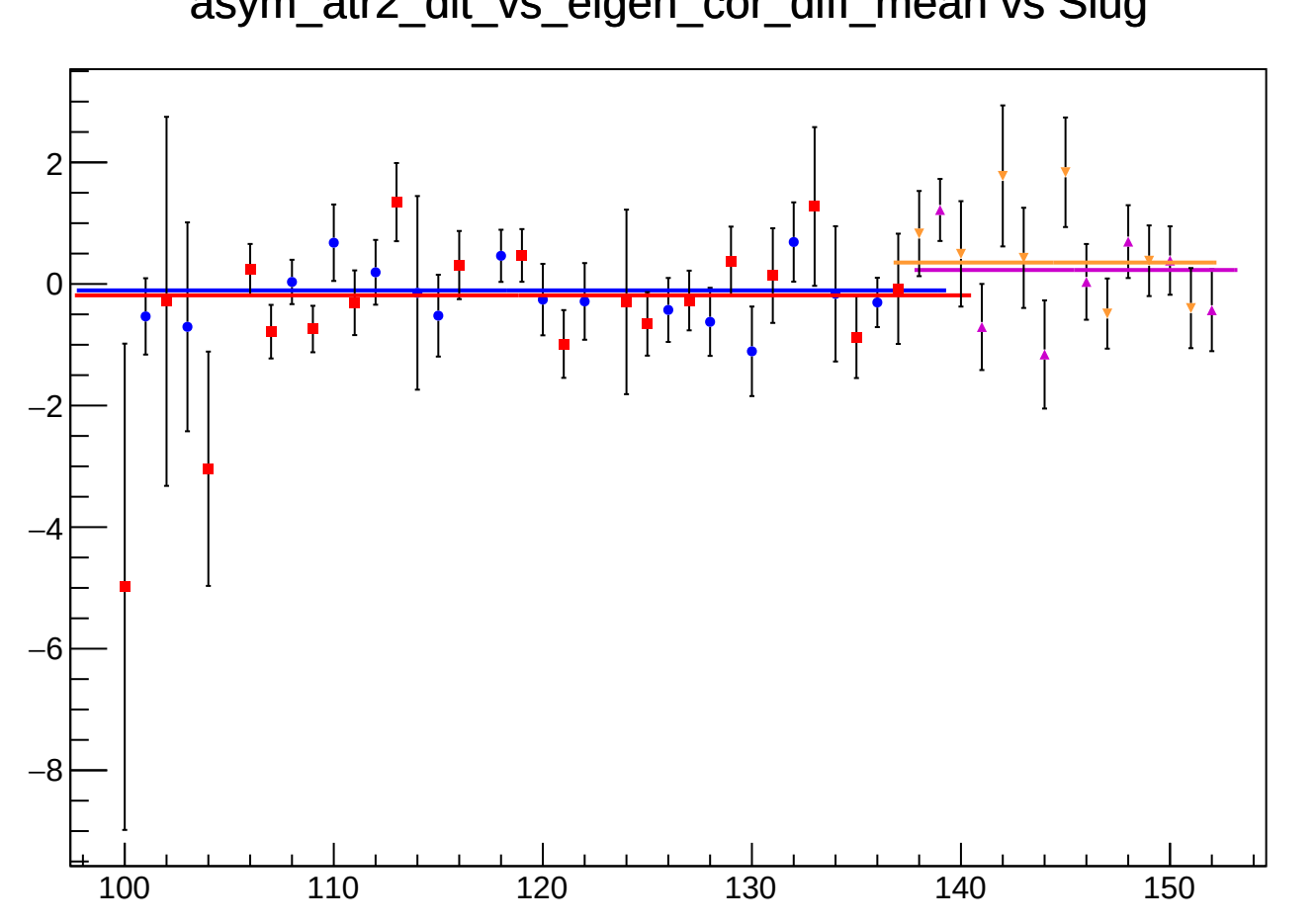
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 572.142+/-0.168 χ^2/NDF:350187.7/6

+ sign 425.432+/-0.089 χ^2/NDF: 3309390.6/23

All: 407.204+/-0.061 χ^2/NDF: 7547228.0/49

- sign 391.018+/-0.084 χ^2/NDF: 4158988.4/25



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.353+/-0.258 χ^2/NDF:8.1/7

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

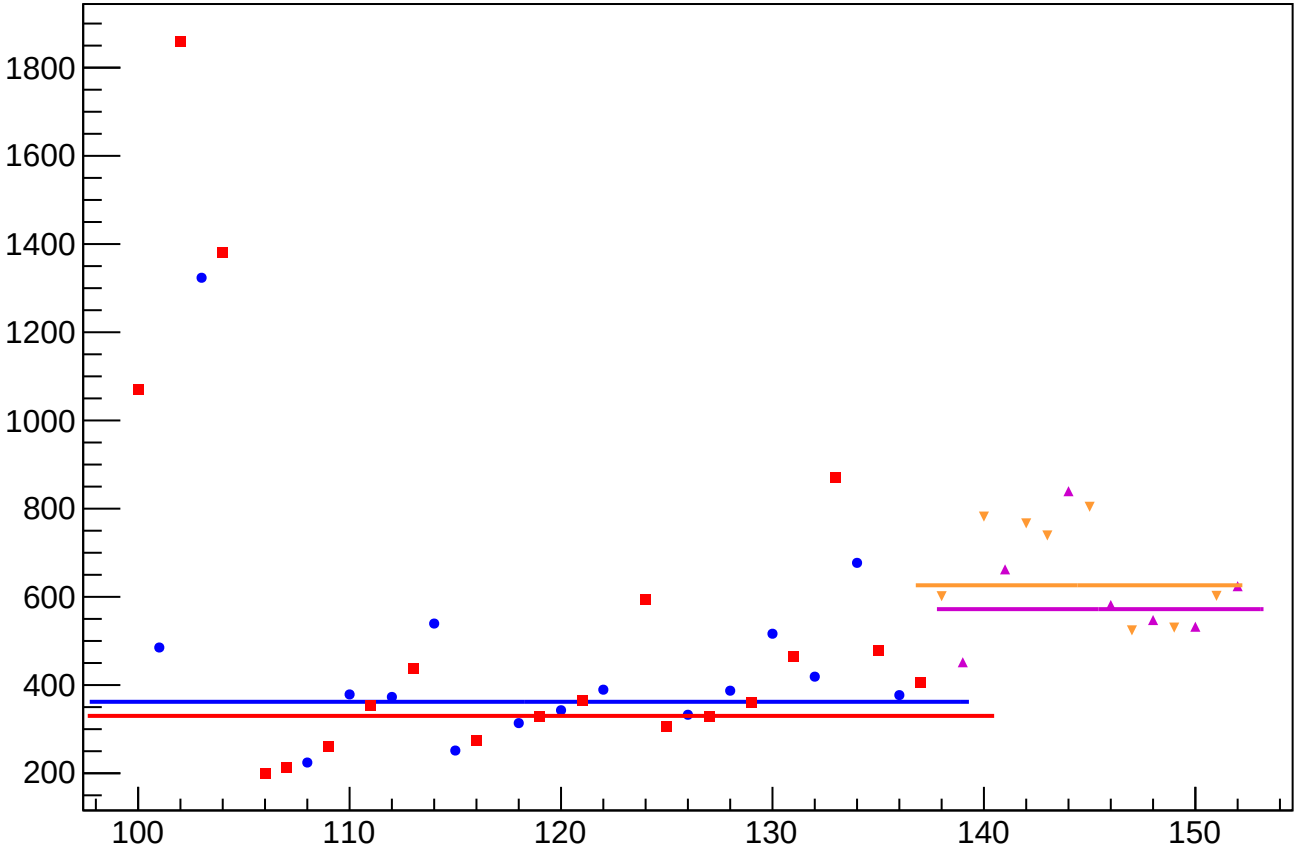
Left In: 0.230+/-0.237 χ^2/NDF:9.7/6

+ sign 0.004+/-0.126 χ^2/NDF: 20.2/23

All: -0.041+/-0.087 χ^2/NDF: 56.3/49

- sign -0.082+/-0.119 χ^2/NDF: 35.9/25

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 626.237+/-0.182 χ^2/NDF:331882.8/7

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

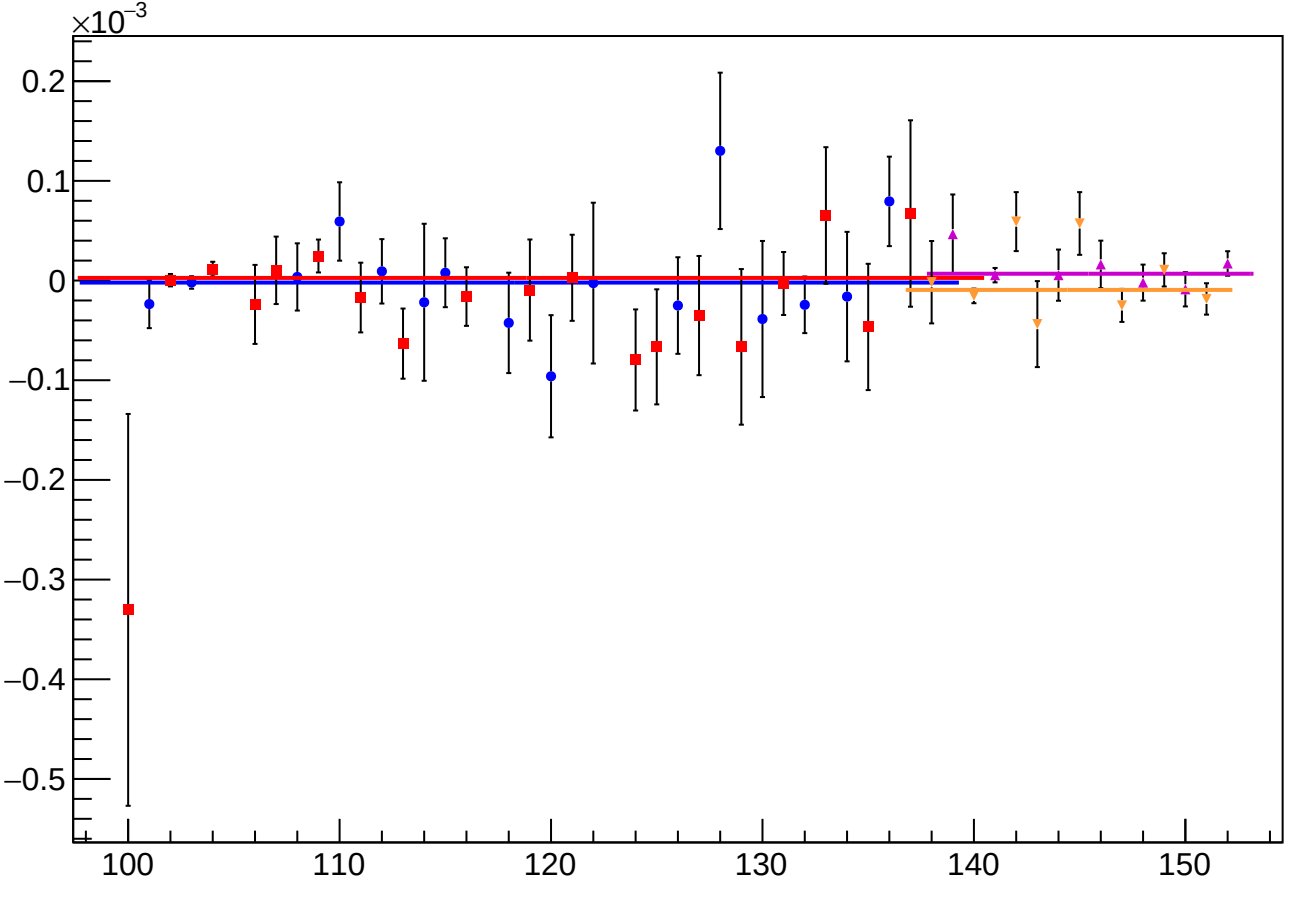
Left In: 572.142+/-0.168 χ^2/NDF:350187.7/6

+ sign 425.432+/-0.089 χ^2/NDF: 3309390.6/23

All: 407.204+/-0.061 χ^2/NDF: 7547228.0/49

- sign 391.018+/-0.084 χ^2/NDF: 4158988.4/25

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:13.9/7

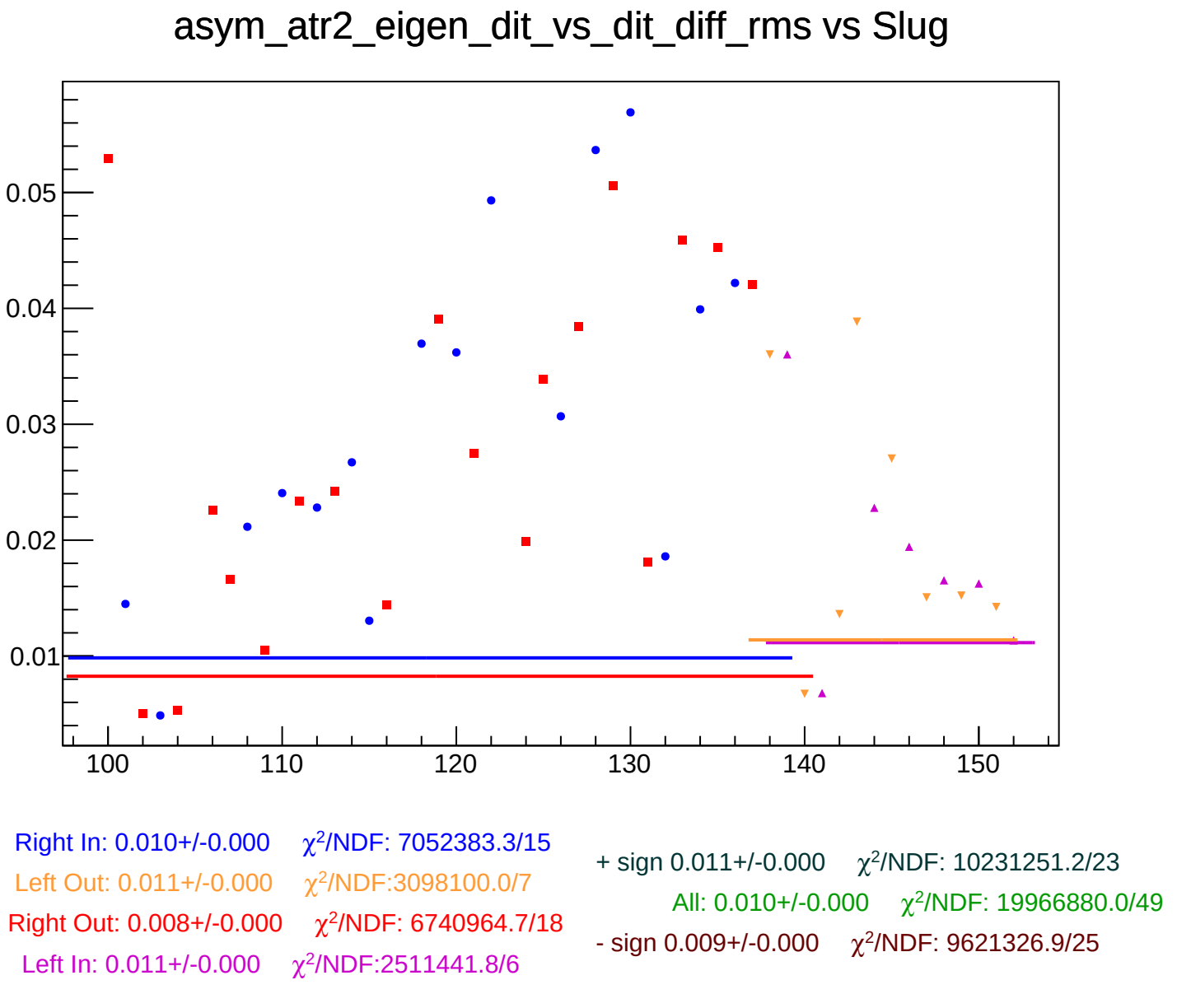
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/6

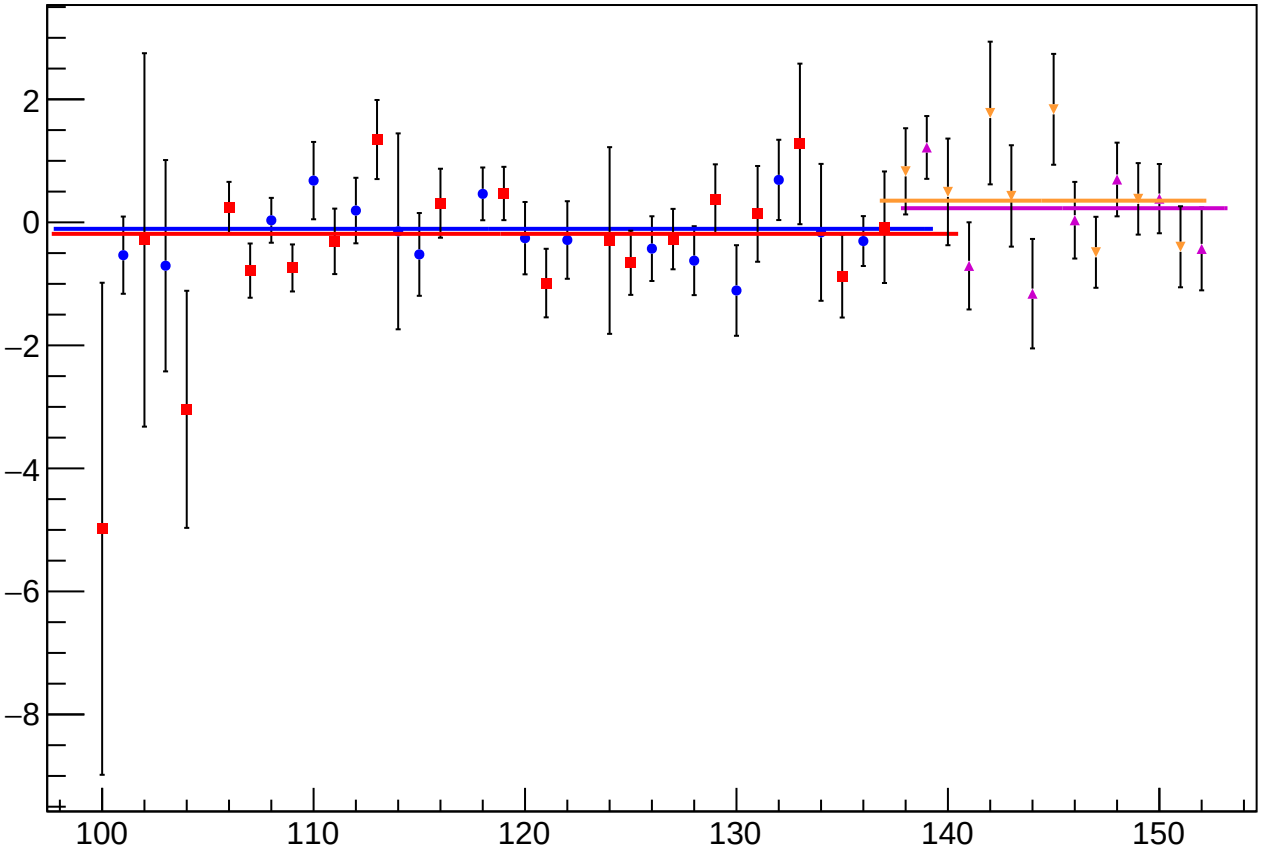
+ sign -0.000+/-0.000 χ^2/NDF: 28.5/23

All: 0.000+/-0.000 χ^2/NDF: 53.9/49

- sign 0.000+/-0.000 χ^2/NDF: 21.6/25


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:3098100.0/7
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.011+/-0.000 χ²/NDF:2511441.8/6
+ sign 0.011+/-0.000 χ²/NDF: 10231251.2/23
All: 0.010+/-0.000 χ²/NDF: 19966880.0/49
- sign 0.009+/-0.000 χ²/NDF: 9621326.9/25

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.353+/-0.258 χ^2/NDF:8.1/7

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

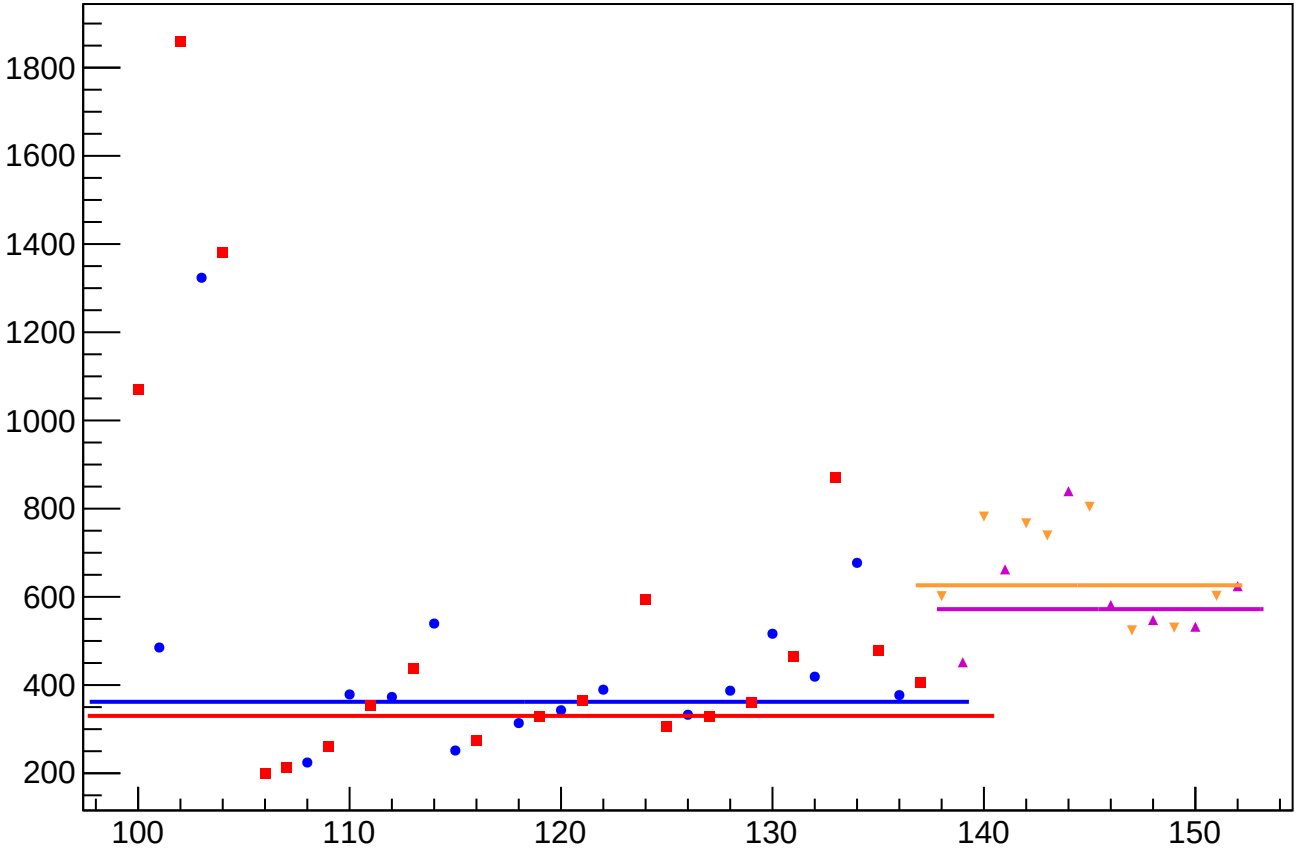
Left In: 0.230+/-0.237 χ^2/NDF:9.7/6

+ sign 0.004+/-0.126 χ^2/NDF: 20.2/23

All: -0.041+/-0.087 χ^2/NDF: 56.3/49

- sign -0.082+/-0.119 χ^2/NDF: 35.9/25

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 626.246+/-0.182 χ^2/NDF:331869.0/7

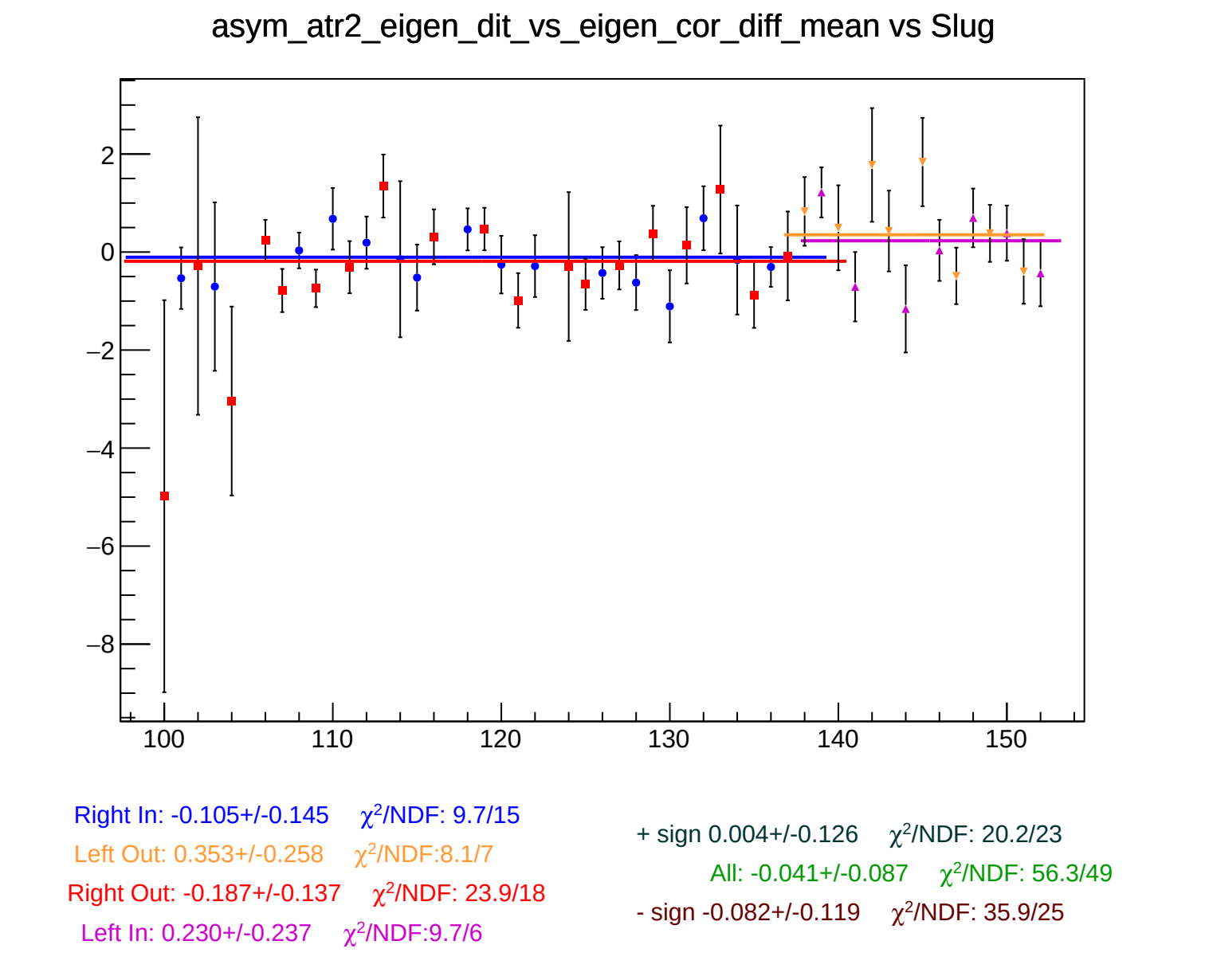
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 572.150+/-0.168 χ^2/NDF:350166.6/6

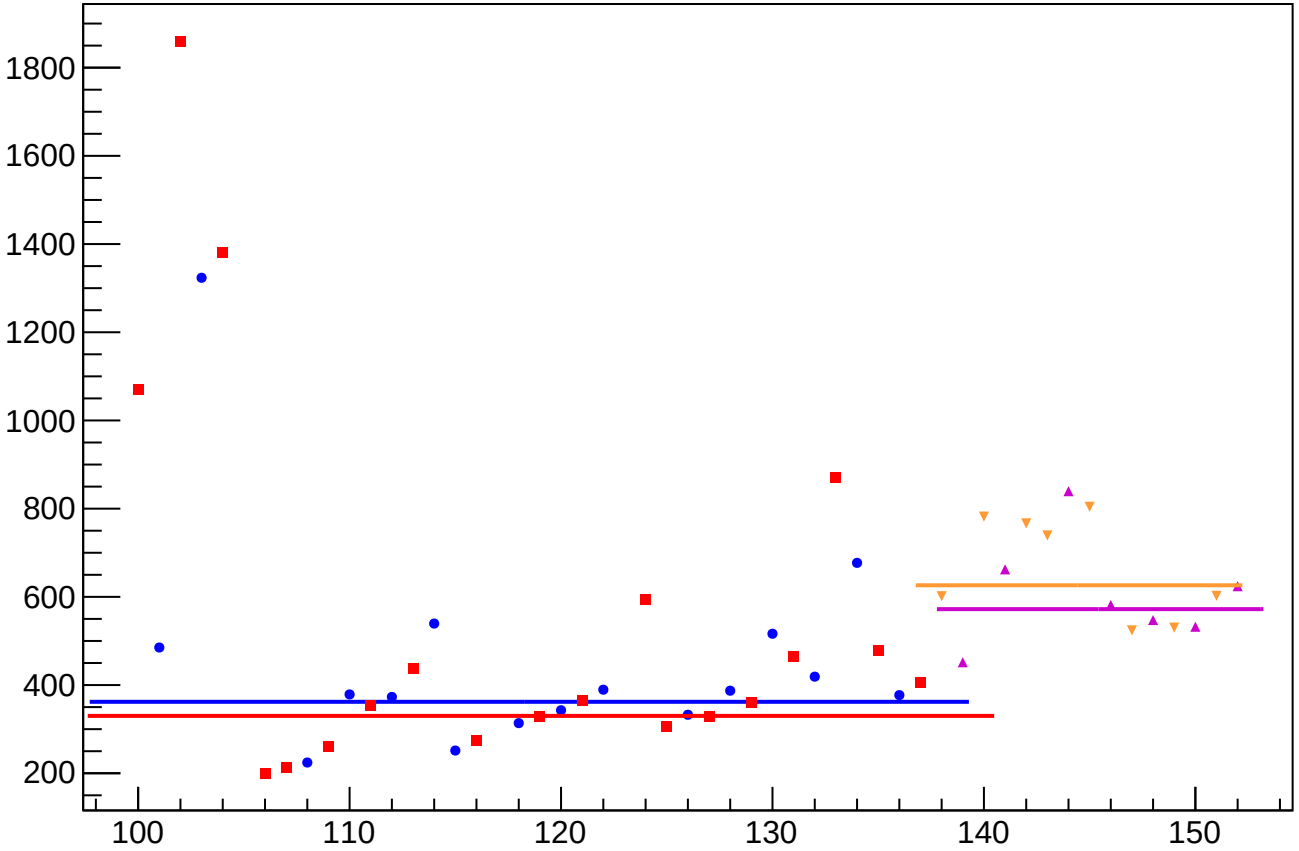
+ sign 425.430+/-0.089 χ^2/NDF: 3309491.9/23

All: 407.203+/-0.061 χ^2/NDF: 7547385.6/49

- sign 391.017+/-0.084 χ^2/NDF: 4159050.5/25


asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.353+/-0.258 χ²/NDF:8.1/7
Right Out: -0.187+/-0.137 χ²/NDF: 23.9/18
Left In: 0.230+/-0.237 χ²/NDF:9.7/6
+ sign 0.004+/-0.126 χ²/NDF: 20.2/23
All: -0.041+/-0.087 χ²/NDF: 56.3/49
- sign -0.082+/-0.119 χ²/NDF: 35.9/25

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 626.246+/-0.182 χ^2/NDF:331869.0/7

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

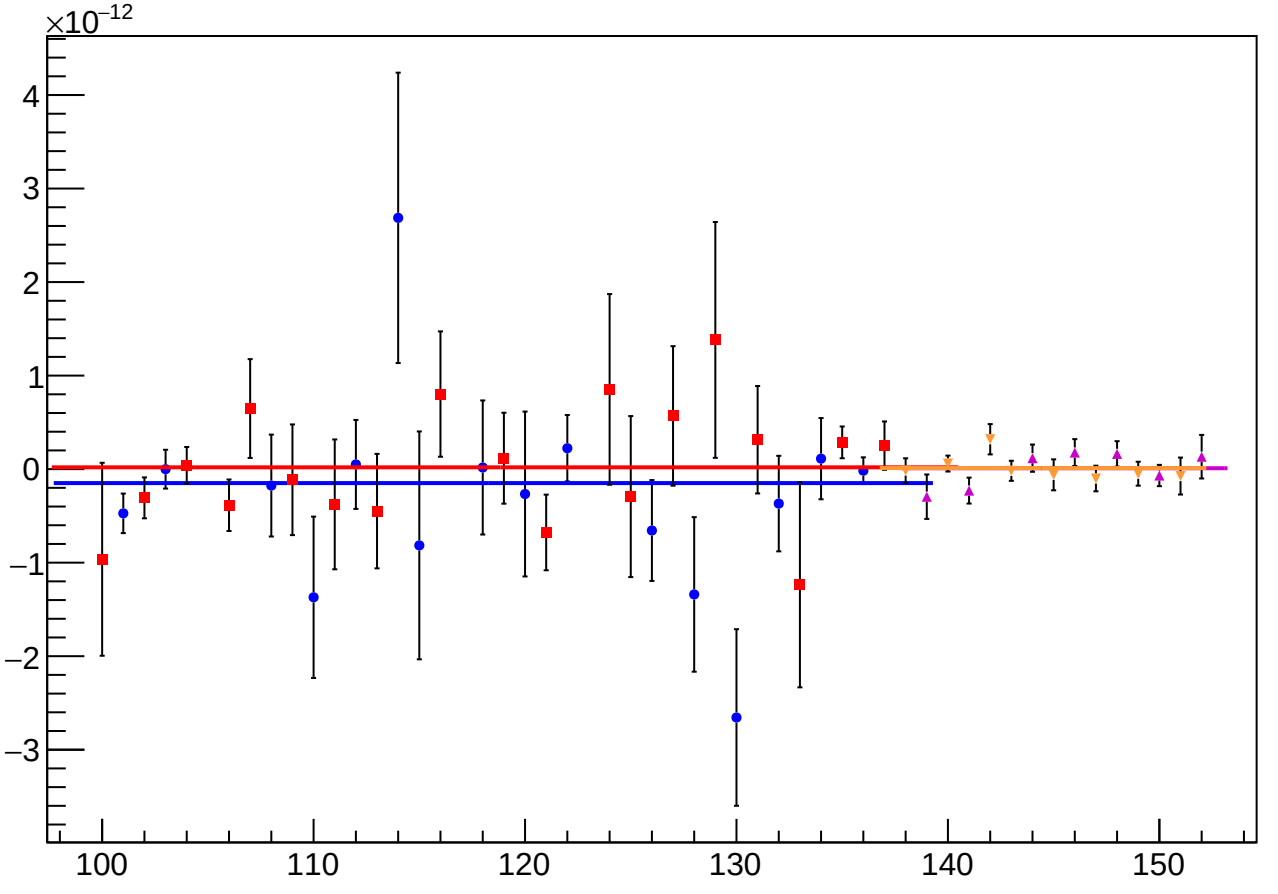
Left In: 572.150+/-0.168 χ^2/NDF:350166.6/6

+ sign 425.430+/-0.089 χ^2/NDF: 3309491.9/23

All: 407.203+/-0.061 χ^2/NDF: 7547385.6/49

- sign 391.017+/-0.084 χ^2/NDF: 4159050.5/25

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:5.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

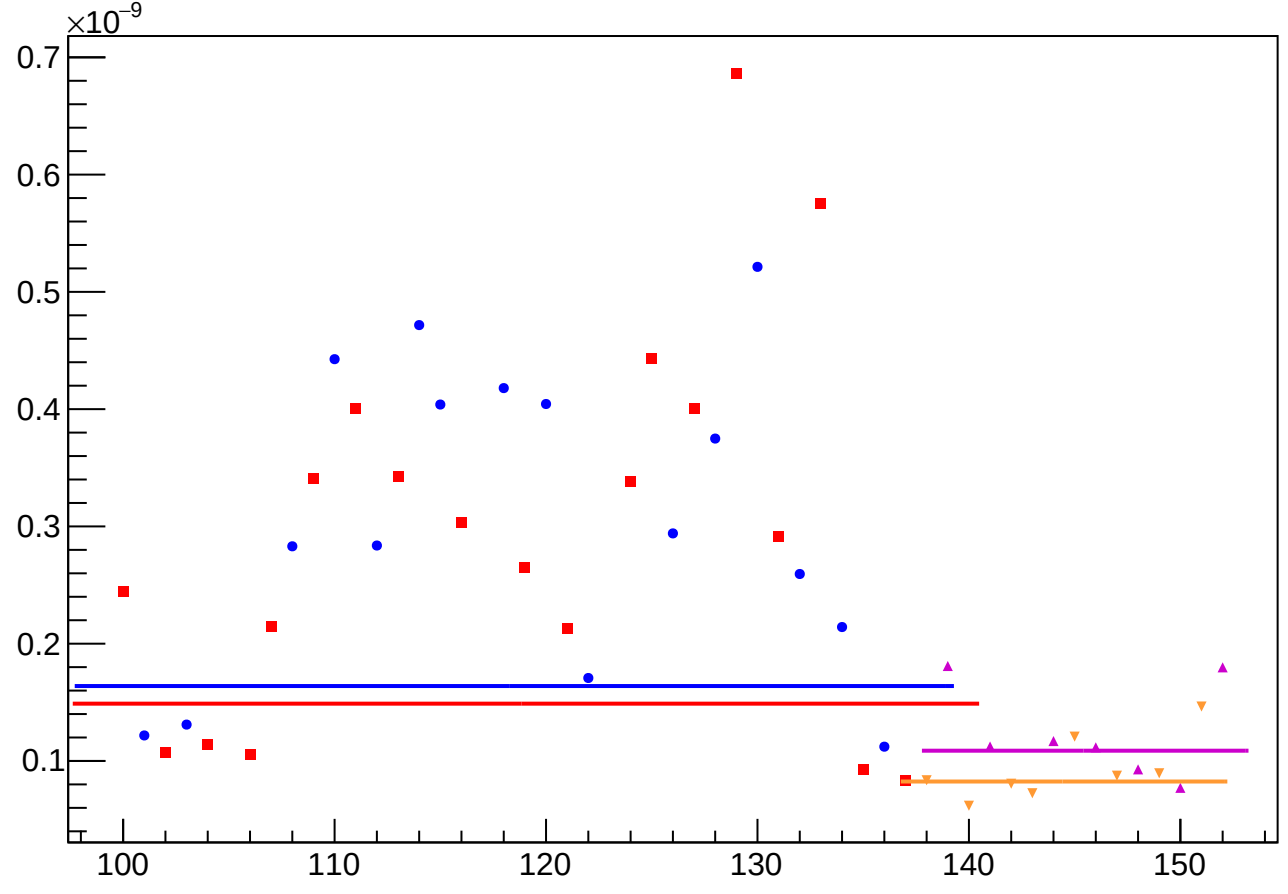
Left In: 0.000+/-0.000 χ^2/NDF:8.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 29.2/23

All: -0.000+/-0.000 χ^2/NDF: 57.6/49

- sign 0.000+/-0.000 χ^2/NDF: 28.0/25

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:460620.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

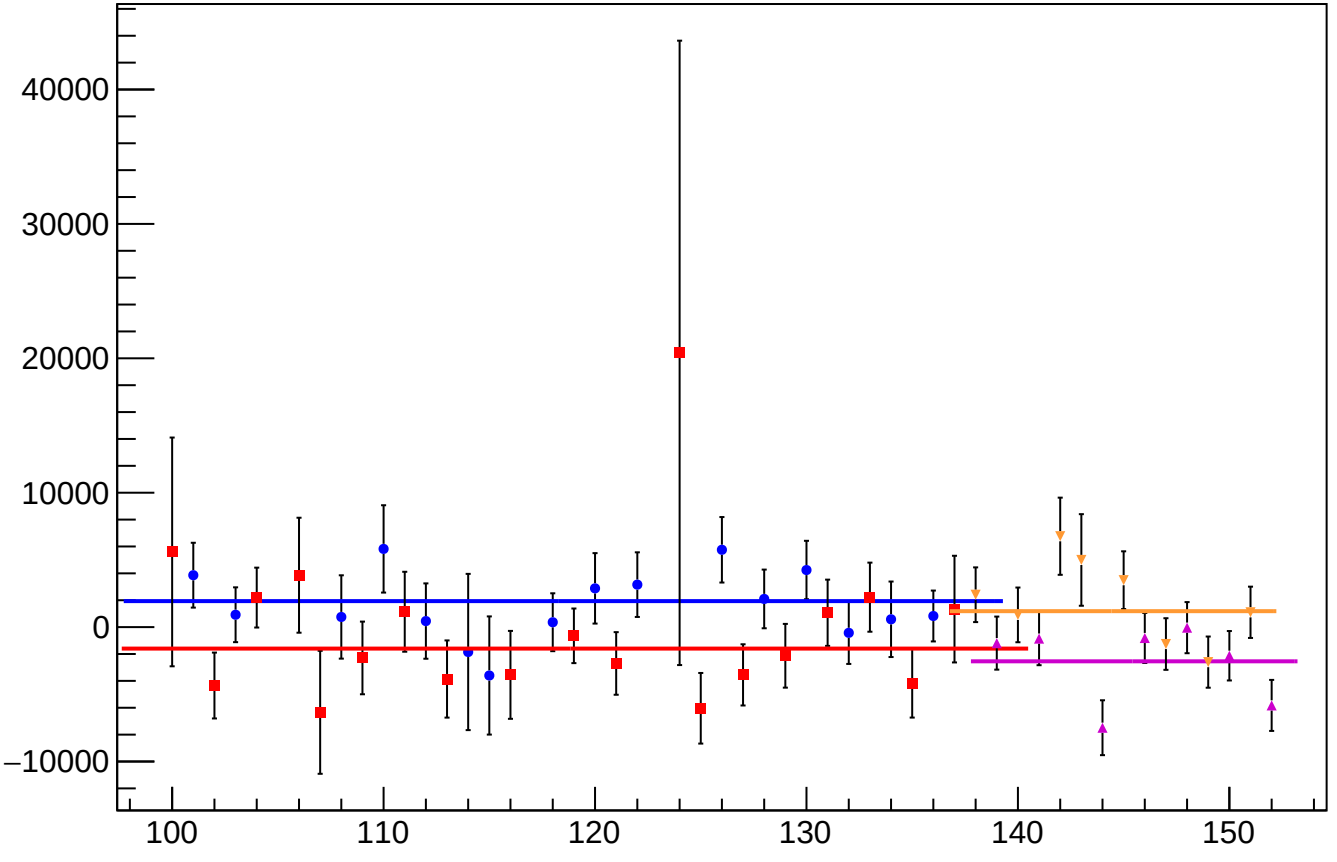
Left In: 0.000+/-0.000 χ^2/NDF:561767.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 3849029.1/23

All: 0.000+/-0.000 χ^2/NDF: 7827283.9/49

- sign 0.000+/-0.000 χ^2/NDF: 3725233.5/25

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1186.514+/-760.530 χ^2/NDF:12.1/7

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

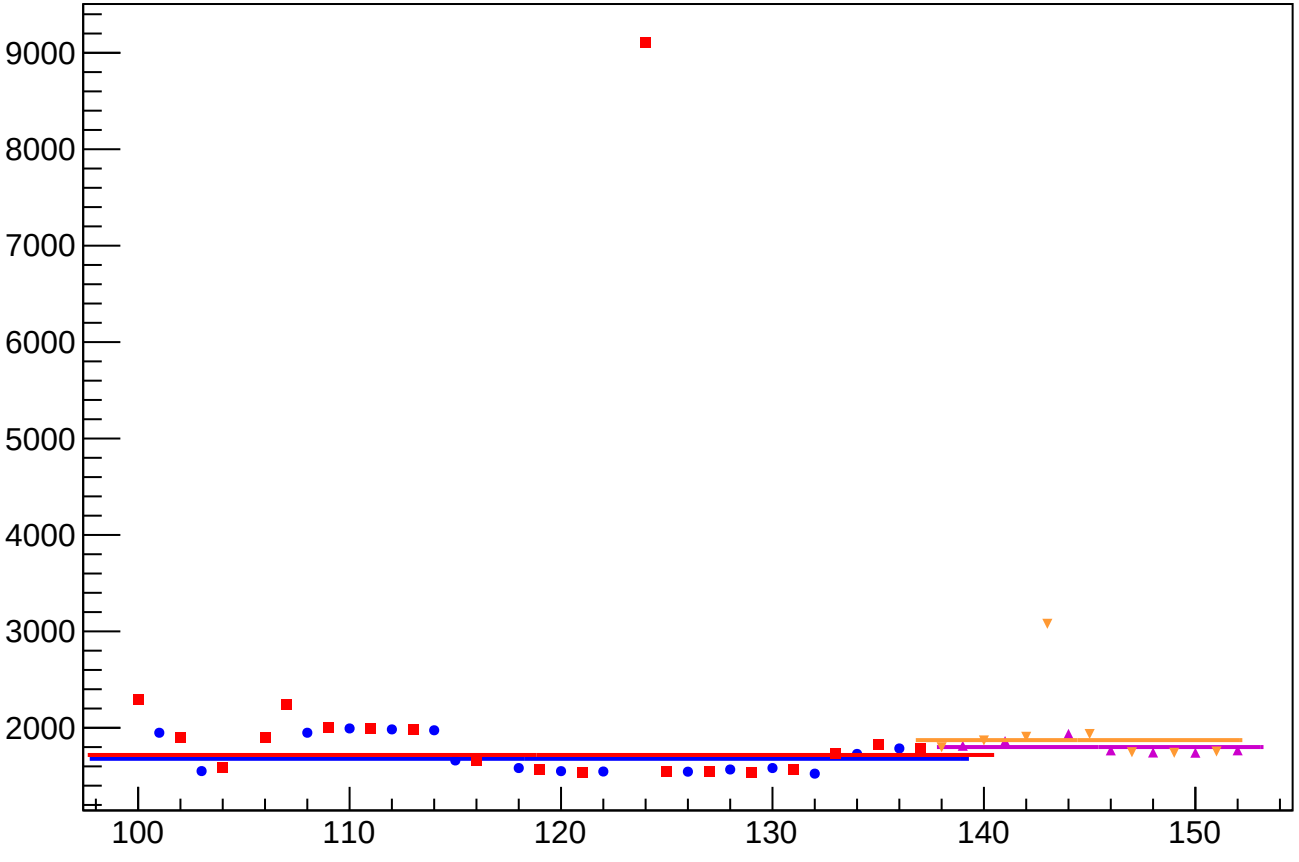
Left In: -2544.861+/-727.224 χ^2/NDF:12.7/6

+ sign 1631.479+/-484.189 χ^2/NDF: 23.6/23

All: -201.310+/-341.374 χ^2/NDF: 85.1/49

- sign -2012.850+/-481.374 χ^2/NDF: 33.1/25

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1872.325+/-0.538 χ^2/NDF:281092.8/7

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

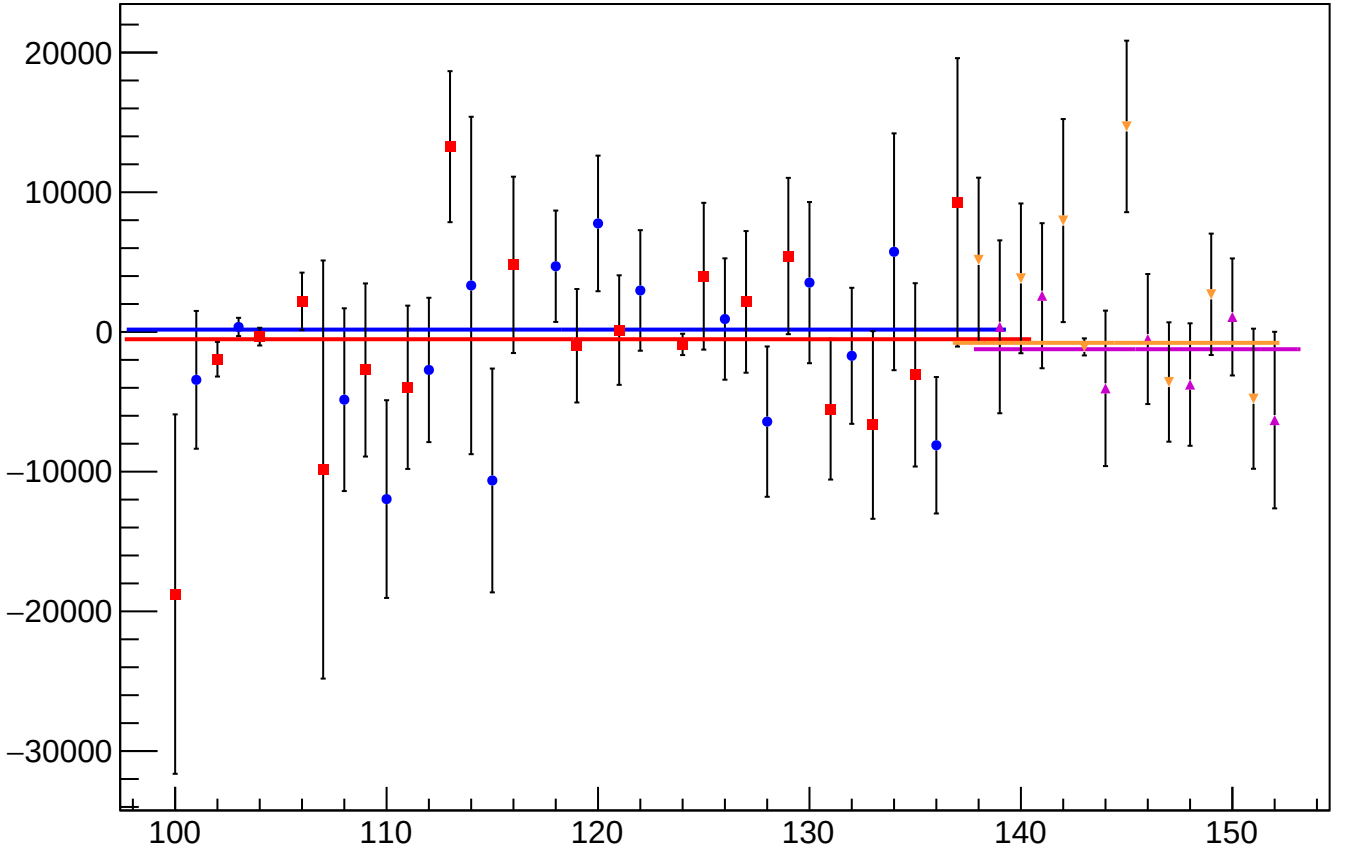
Left In: 1800.407+/-0.514 χ^2/NDF:16085.9/6

+ sign 1757.086+/-0.342 χ^2/NDF: 499791.6/23

All: 1755.576+/-0.241 χ^2/NDF: 913474.8/49

- sign 1754.091+/-0.339 χ^2/NDF: 413644.6/25

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -779.094+/-583.149 χ^2/NDF:11.5/7

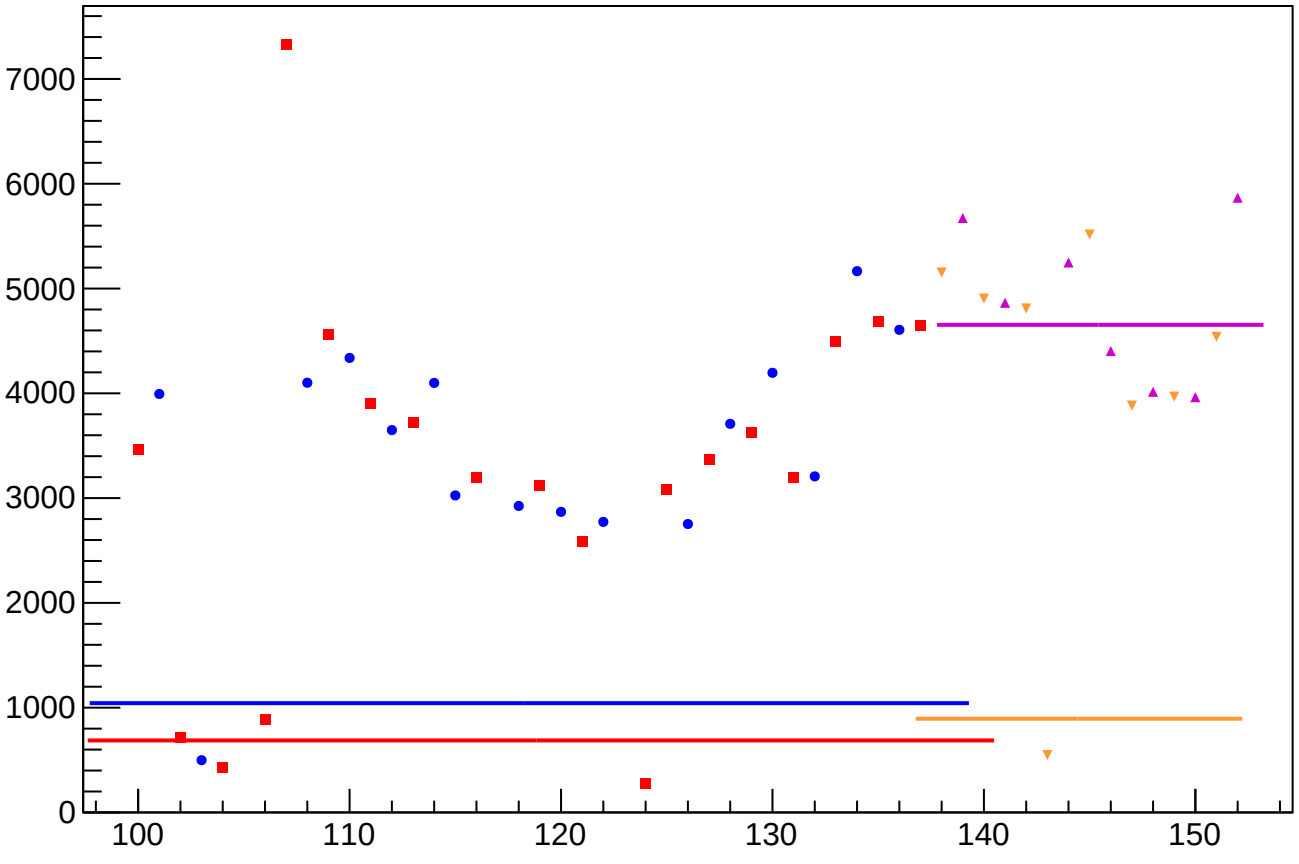
Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: -1235.877+/-1904.355 χ^2/NDF:2.2/6

+ sign -312.226+/-415.306 χ^2/NDF: 28.6/23

All: -433.801+/-293.414 χ^2/NDF: 49.7/49

- sign -554.959+/-414.594 χ^2/NDF: 20.8/25



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 894.857+/-0.412 χ^2/NDF:7558767.2/7

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

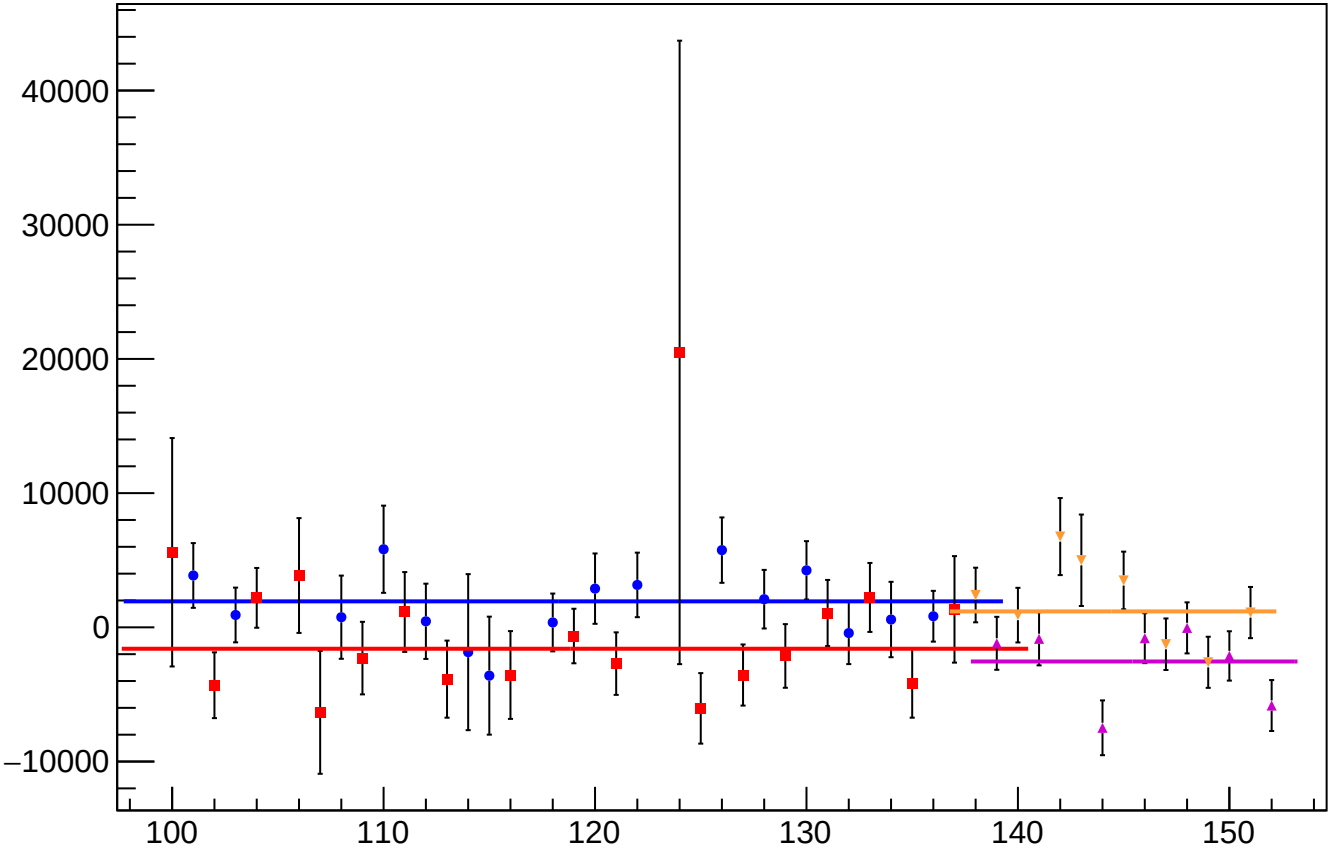
Left In: 4653.279+/-1.347 χ^2/NDF:256777.2/6

+ sign 967.920+/-0.294 χ^2/NDF: 15734371.9/23

All: 921.532+/-0.207 χ^2/NDF: 32935549.4/49

- sign 875.303+/-0.293 χ^2/NDF: 17151359.3/25

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1186.402+/-760.530 χ^2/NDF:12.1/7

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

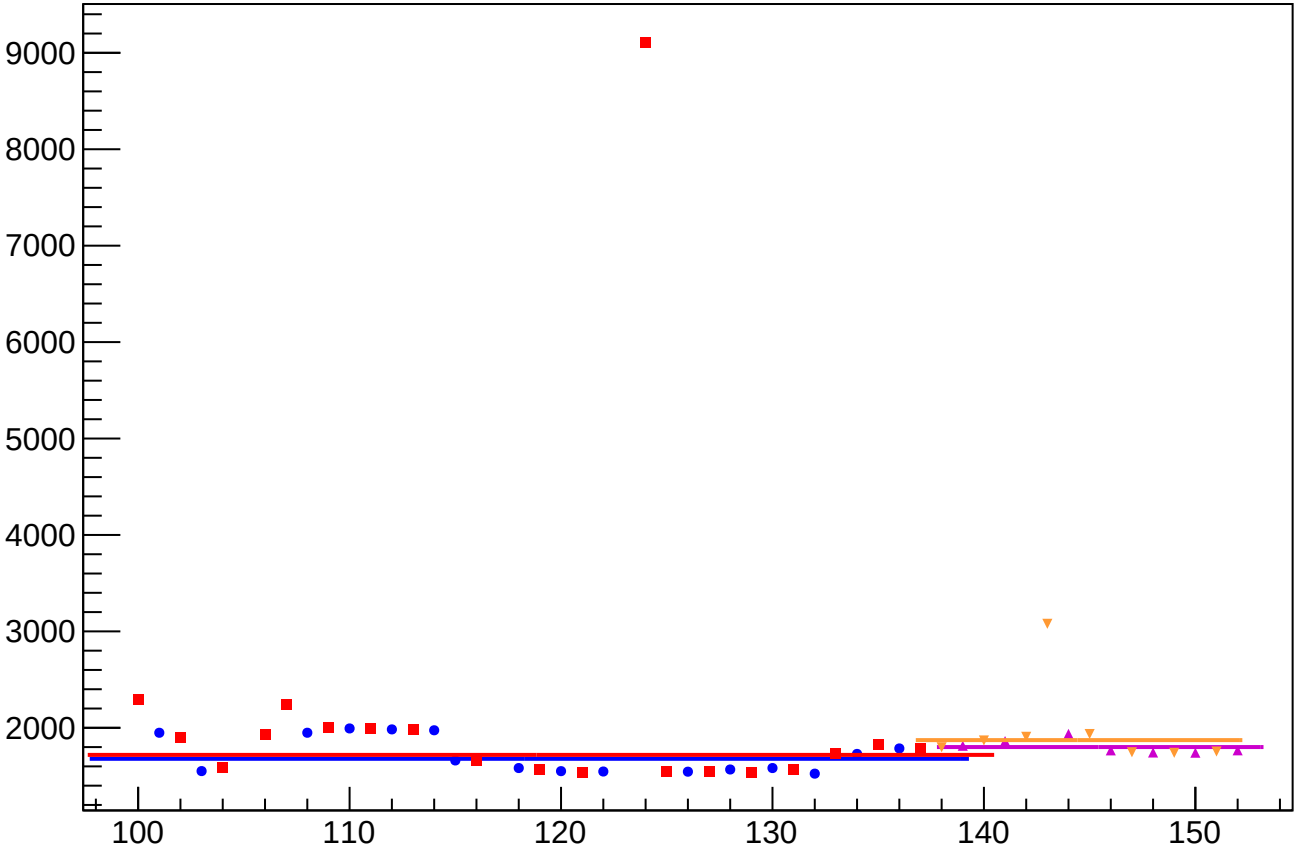
Left In: -2545.065+/-727.224 χ^2/NDF:12.7/6

+ sign 1631.502+/-484.189 χ^2/NDF: 23.6/23

All: -200.648+/-341.374 χ^2/NDF: 85.1/49

- sign -2011.573+/-481.376 χ^2/NDF: 33.0/25

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1872.325+/-0.538 χ^2/NDF:281092.8/7

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

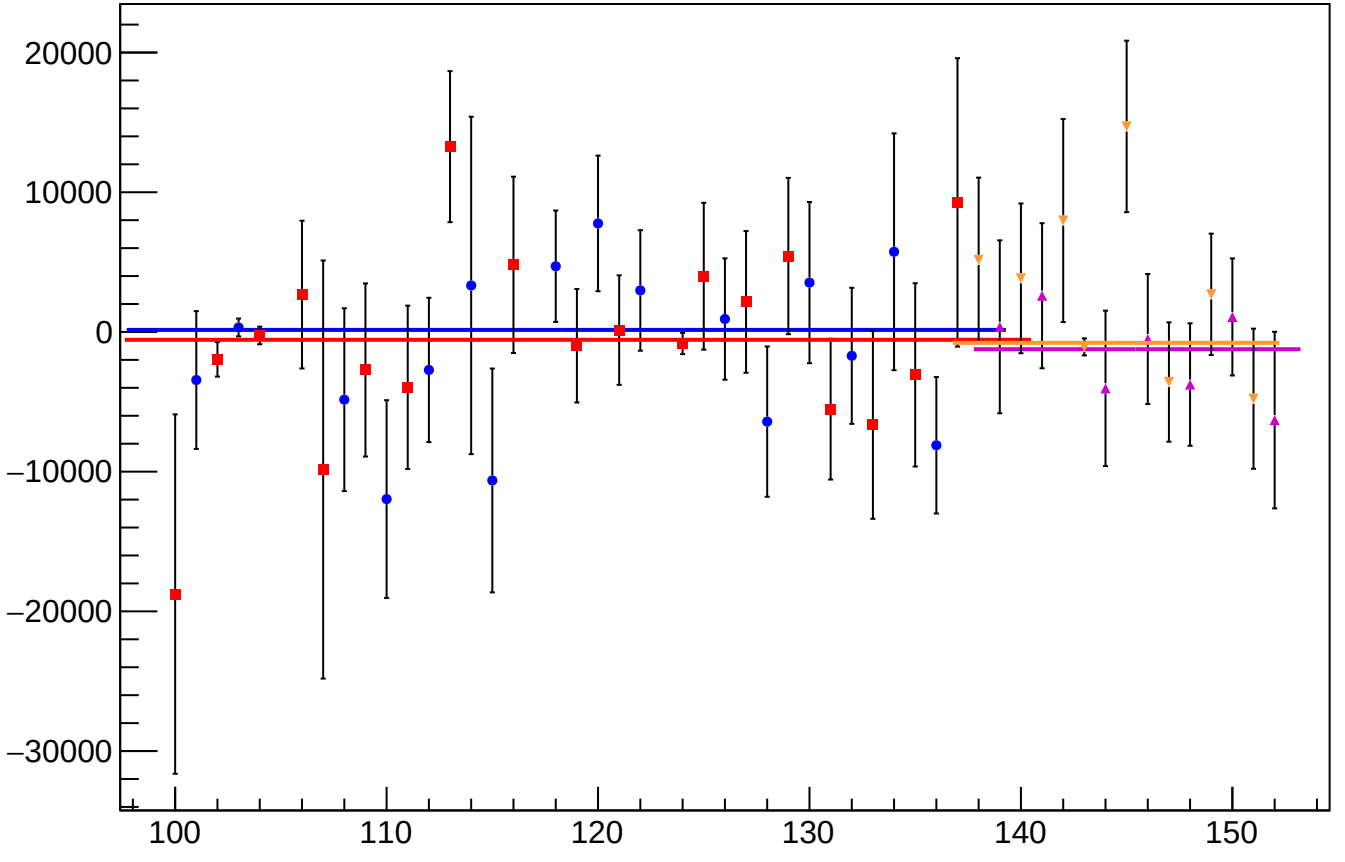
Left In: 1800.407+/-0.514 χ^2/NDF:16085.9/6

+ sign 1757.086+/-0.342 χ^2/NDF: 499791.8/23

All: 1755.824+/-0.241 χ^2/NDF: 914909.6/49

- sign 1754.582+/-0.340 χ^2/NDF: 415090.8/25

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -778.748+/-583.127 χ^2/NDF:11.5/7

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

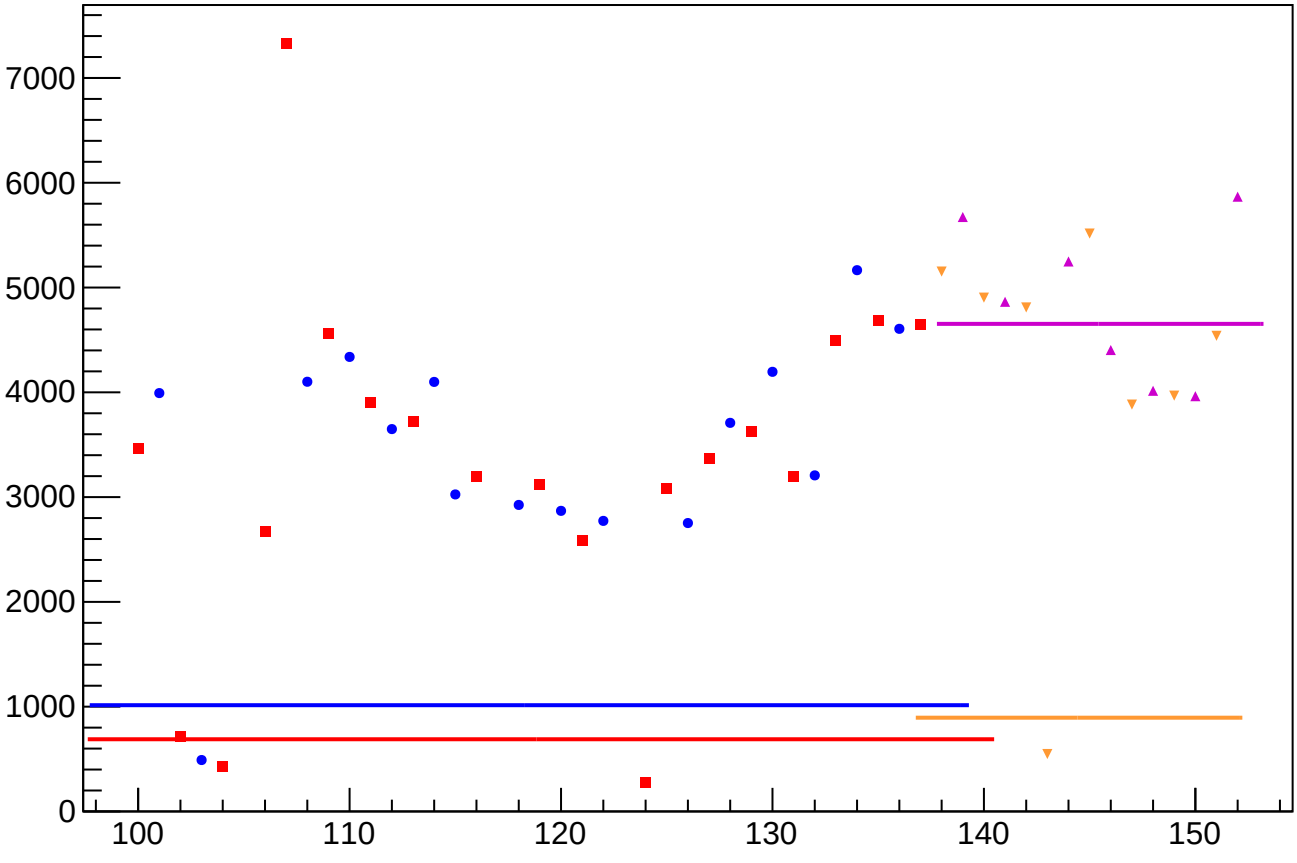
Left In: -1235.981+/-1904.352 χ^2/NDF:2.2/6

+ sign -313.099+/-410.993 χ^2/NDF: 28.6/23

All: -450.630+/-293.755 χ^2/NDF: 48.3/49

- sign -594.267+/-420.017 χ^2/NDF: 19.5/25

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 894.811+/-0.412 χ^2/NDF:7558905.2/7

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

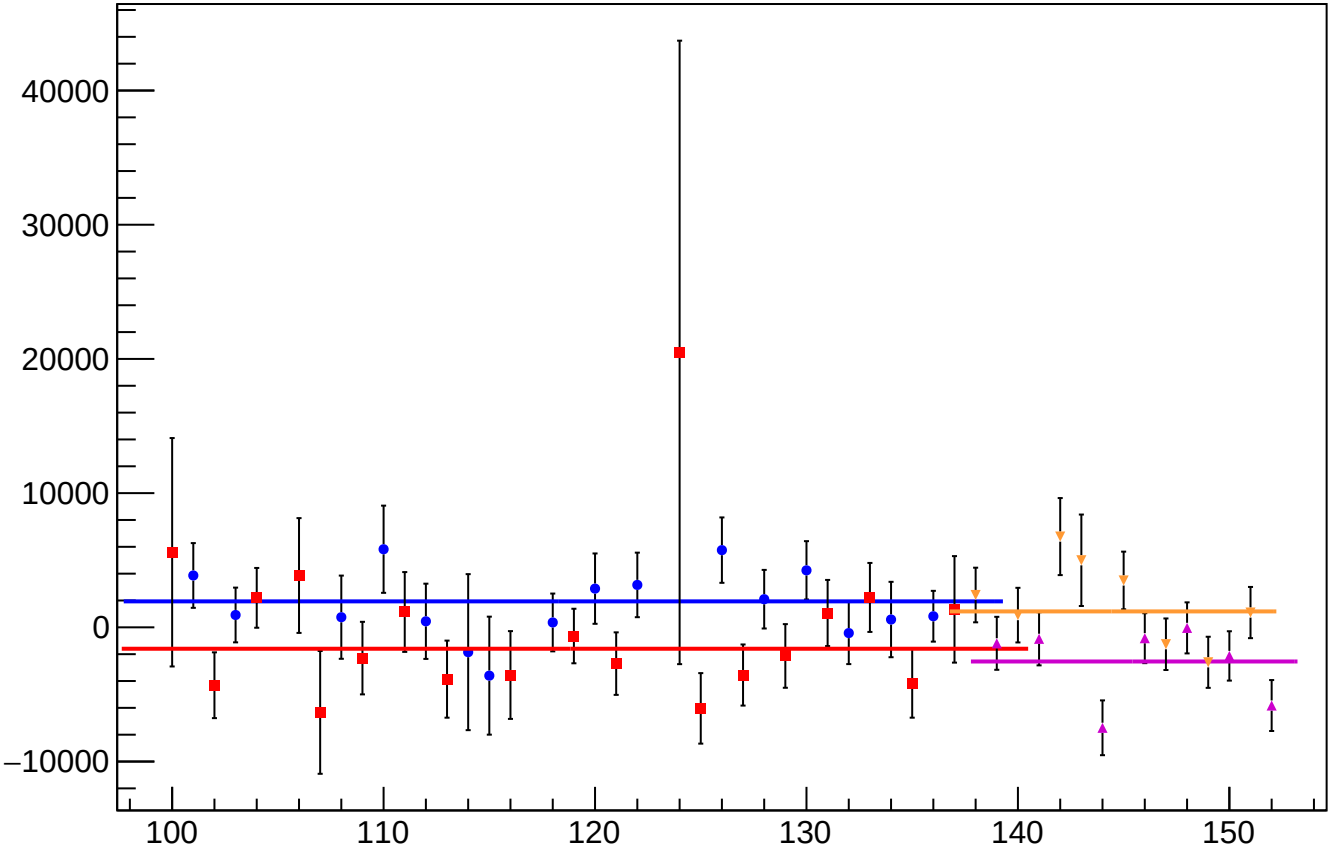
Left In: 4653.271+/-1.347 χ^2/NDF:256781.7/6

+ sign 954.840+/-0.291 χ^2/NDF: 15824038.0/23

All: 919.159+/-0.208 χ^2/NDF: 33267039.7/49

- sign 881.894+/-0.297 χ^2/NDF: 17412184.5/25

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1186.402+/-760.530 χ^2/NDF:12.1/7

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

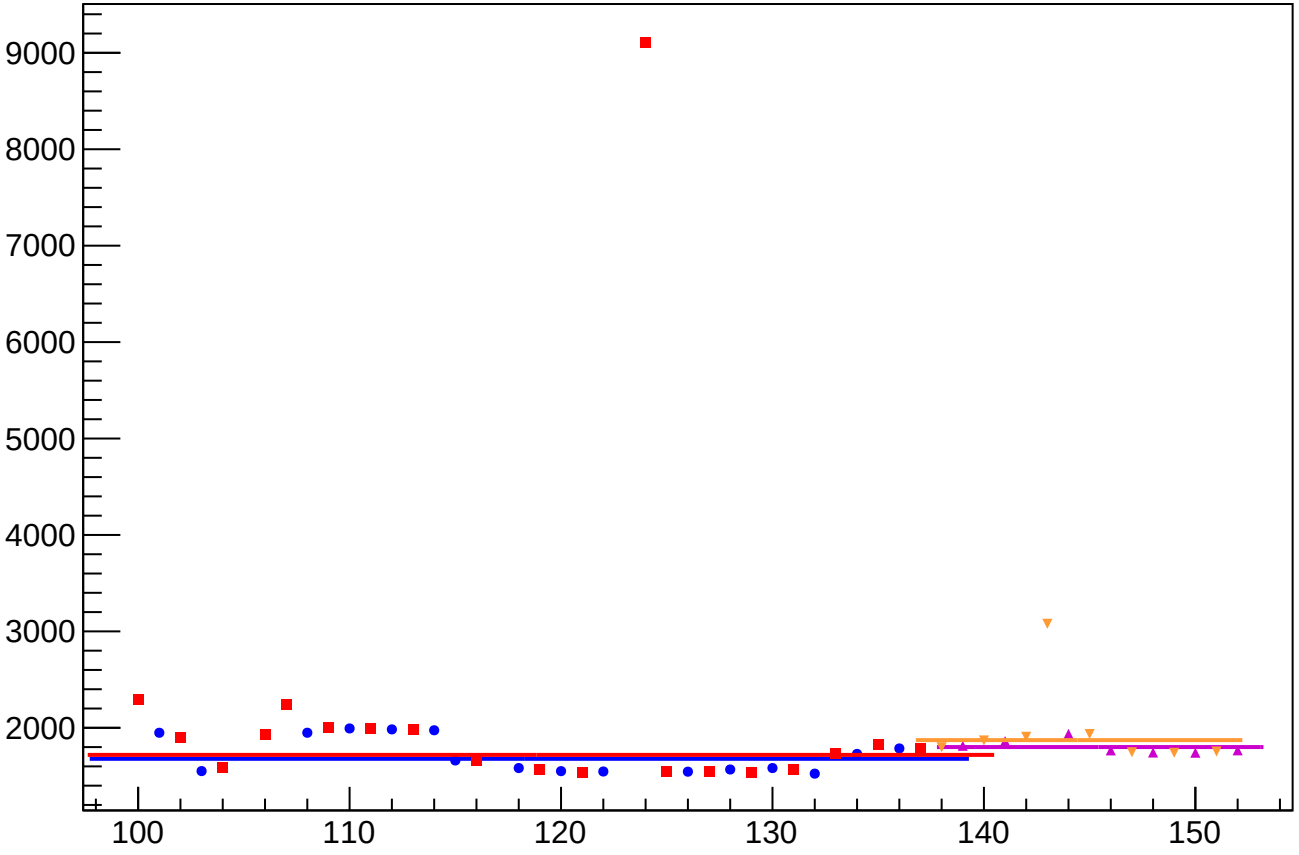
Left In: -2545.065+/-727.224 χ^2/NDF:12.7/6

+ sign 1631.502+/-484.189 χ^2/NDF: 23.6/23

All: -200.648+/-341.374 χ^2/NDF: 85.1/49

- sign -2011.573+/-481.376 χ^2/NDF: 33.0/25

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1872.325+/-0.538 χ^2/NDF:281092.8/7

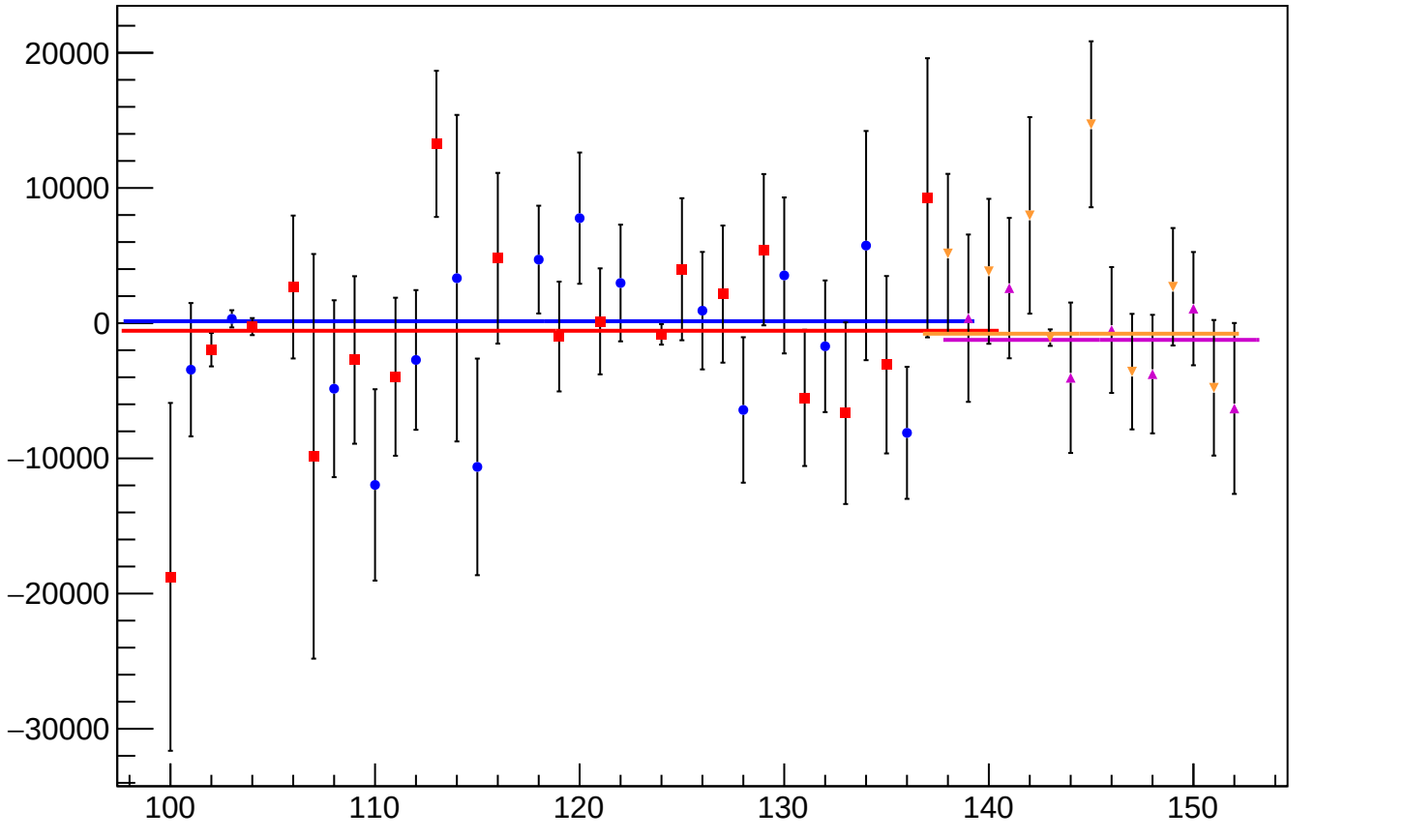
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1800.407+/-0.514 χ^2/NDF:16085.9/6

+ sign 1757.086+/-0.342 χ^2/NDF: 499791.8/23

All: 1755.824+/-0.241 χ^2/NDF: 914909.6/49

- sign 1754.582+/-0.340 χ^2/NDF: 415090.8/25



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -778.748+/-583.127 χ^2/NDF:11.5/7

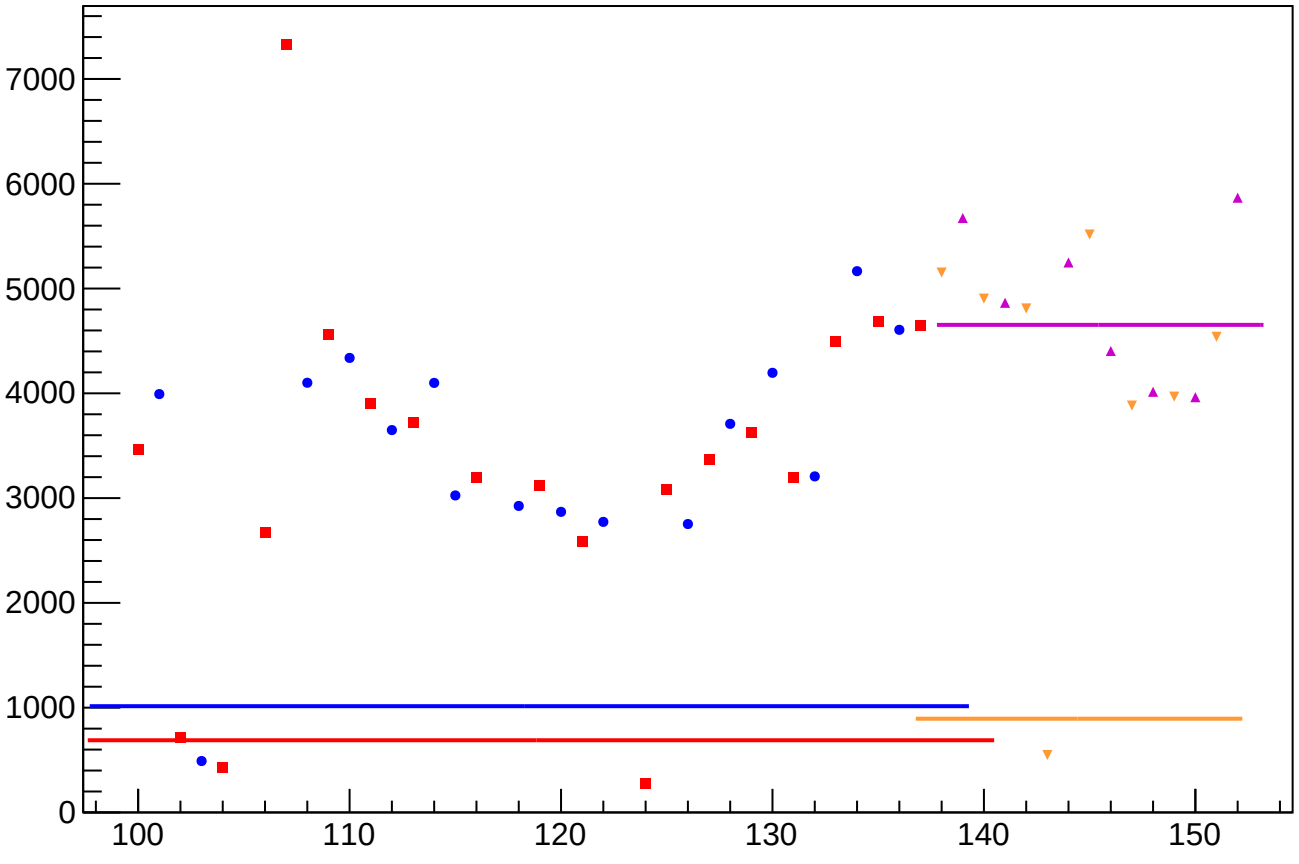
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1235.981+/-1904.352 χ^2/NDF:2.2/6

+ sign -313.099+/-410.993 χ^2/NDF: 28.6/23

All: -450.630+/-293.755 χ^2/NDF: 48.3/49

- sign -594.267+/-420.017 χ^2/NDF: 19.5/25



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 894.811+/-0.412 χ^2/NDF:7558905.2/7

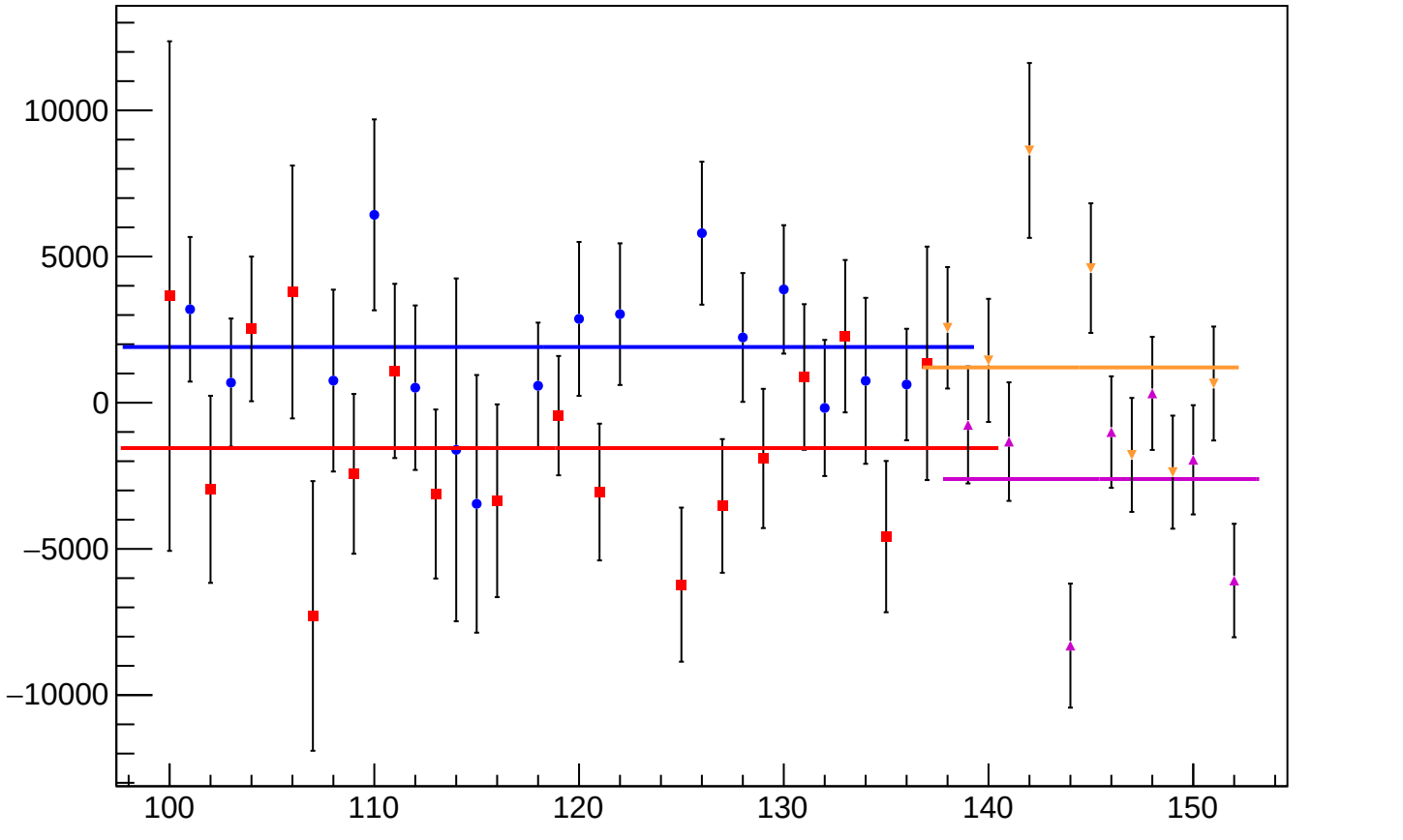
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4653.271+/-1.347 χ^2/NDF:256781.7/6

+ sign 954.840+/-0.291 χ^2/NDF: 15824038.0/23

All: 919.159+/-0.208 χ^2/NDF: 33267039.7/49

- sign 881.894+/-0.297 χ^2/NDF: 17412184.5/25



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1207.304+/-798.869 χ^2/NDF:14.8/6

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

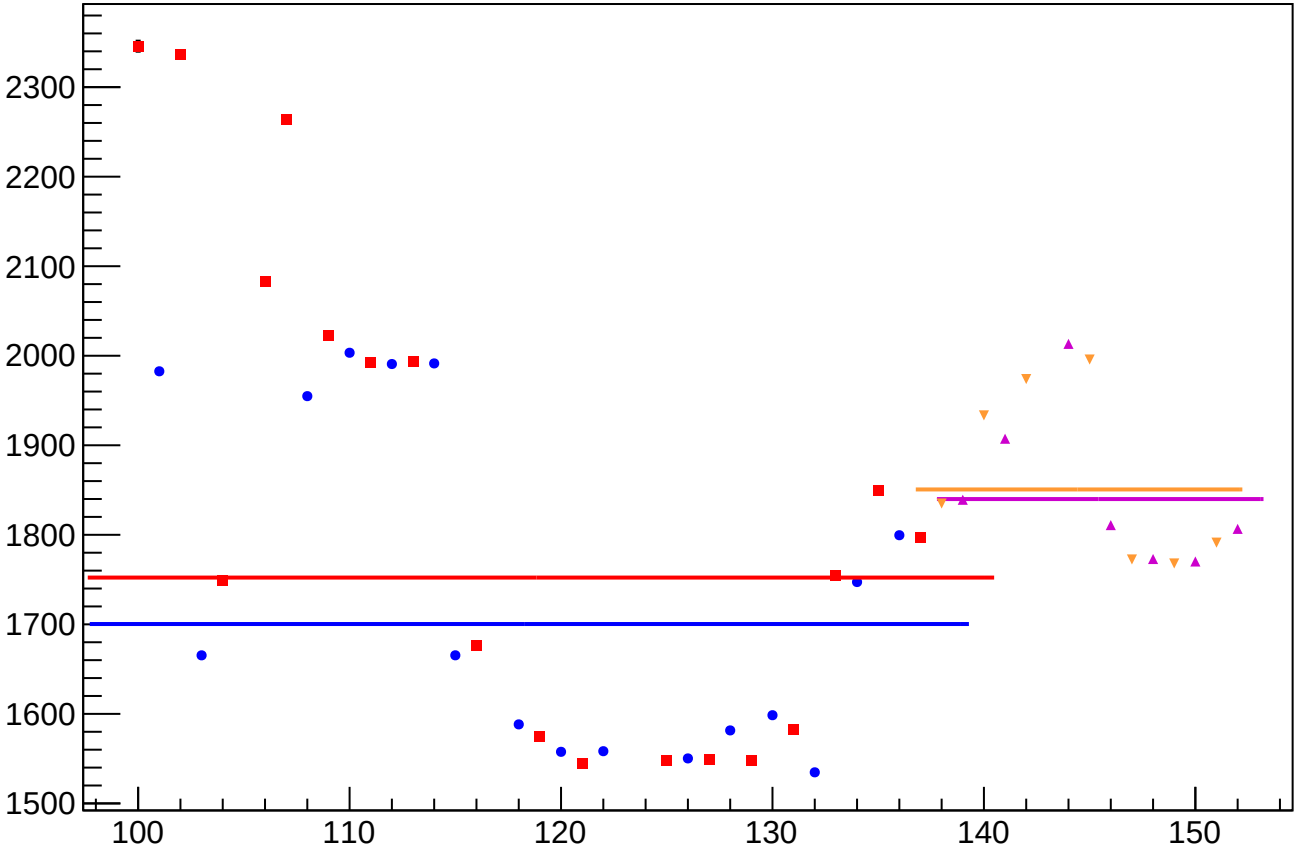
Left In: -2609.962+/-743.418 χ^2/NDF:14.8/6

+ sign 1634.850+/-497.779 χ^2/NDF: 25.5/22

All: -205.790+/-350.639 χ^2/NDF: 86.0/47

- sign -2018.585+/-493.999 χ^2/NDF: 33.4/24

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1850.663+/-0.565 χ^2/NDF:23911.0/6

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

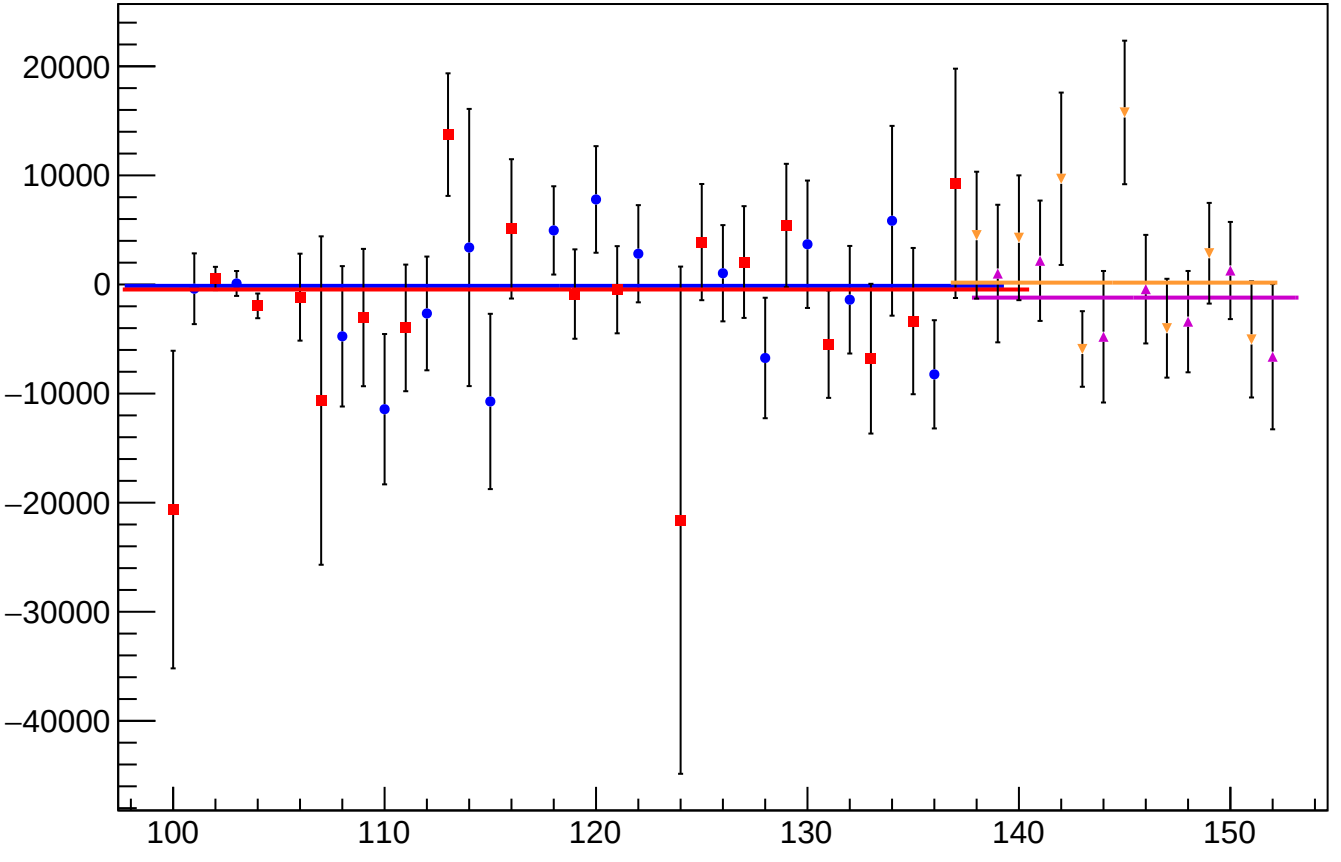
Left In: 1839.929+/-0.526 χ^2/NDF:21793.4/6

+ sign 1758.715+/-0.352 χ^2/NDF: 202641.2/22

All: 1774.931+/-0.248 χ^2/NDF: 492165.8/47

- sign 1790.860+/-0.349 χ^2/NDF: 285317.2/24

asym_atl_avg_dit_correction_mean vs Slug



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: 169.229+/-1785.812 χ^2/NDF:13.4/7

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

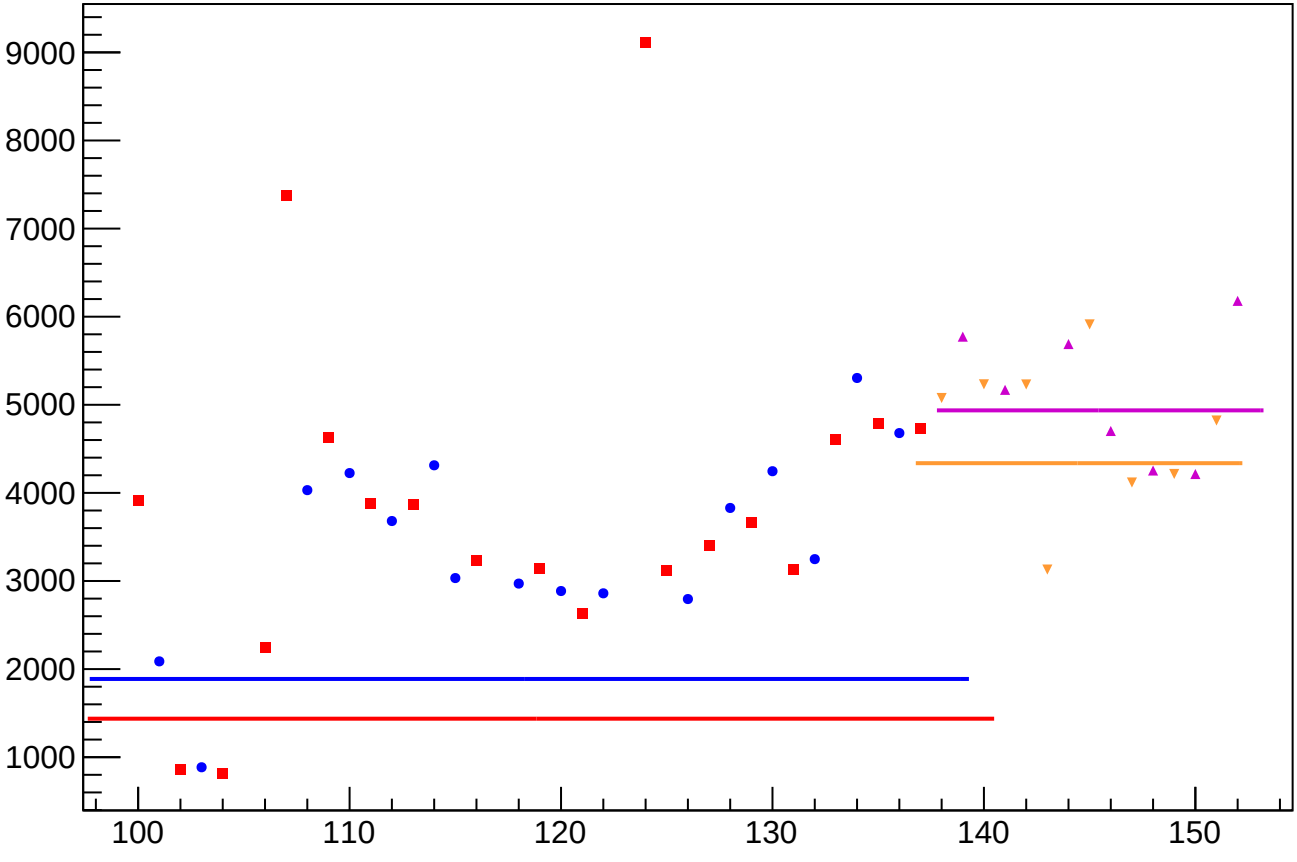
Left In: -1203.446+/-2019.287 χ^2/NDF:2.1/6

+ sign -69.188+/-780.411 χ^2/NDF: 28.5/23

All: -346.419+/-496.587 χ^2/NDF: 49.4/49

- sign -535.042+/-643.723 χ^2/NDF: 20.7/25

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4337.236+/-1.263 χ^2/NDF:487263.4/7

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

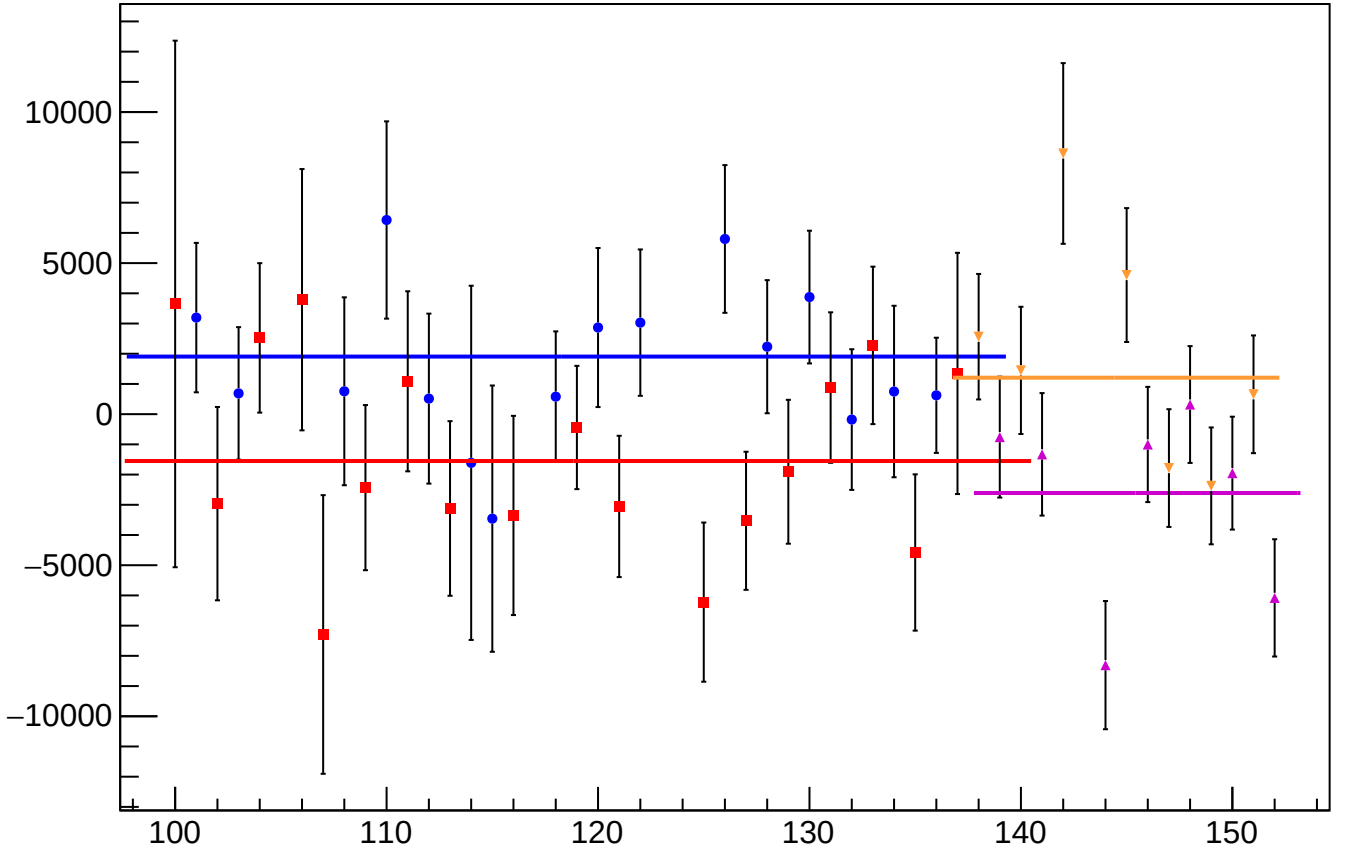
Left In: 4936.642+/-1.428 χ^2/NDF:239947.2/6

+ sign 2355.740+/-0.552 χ^2/NDF: 7956520.6/23

All: 2020.702+/-0.351 χ^2/NDF: 20176566.6/4

- sign 1792.749+/-0.455 χ^2/NDF: 11600634.0/25

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1207.311+/-798.869 χ^2/NDF:14.8/6

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

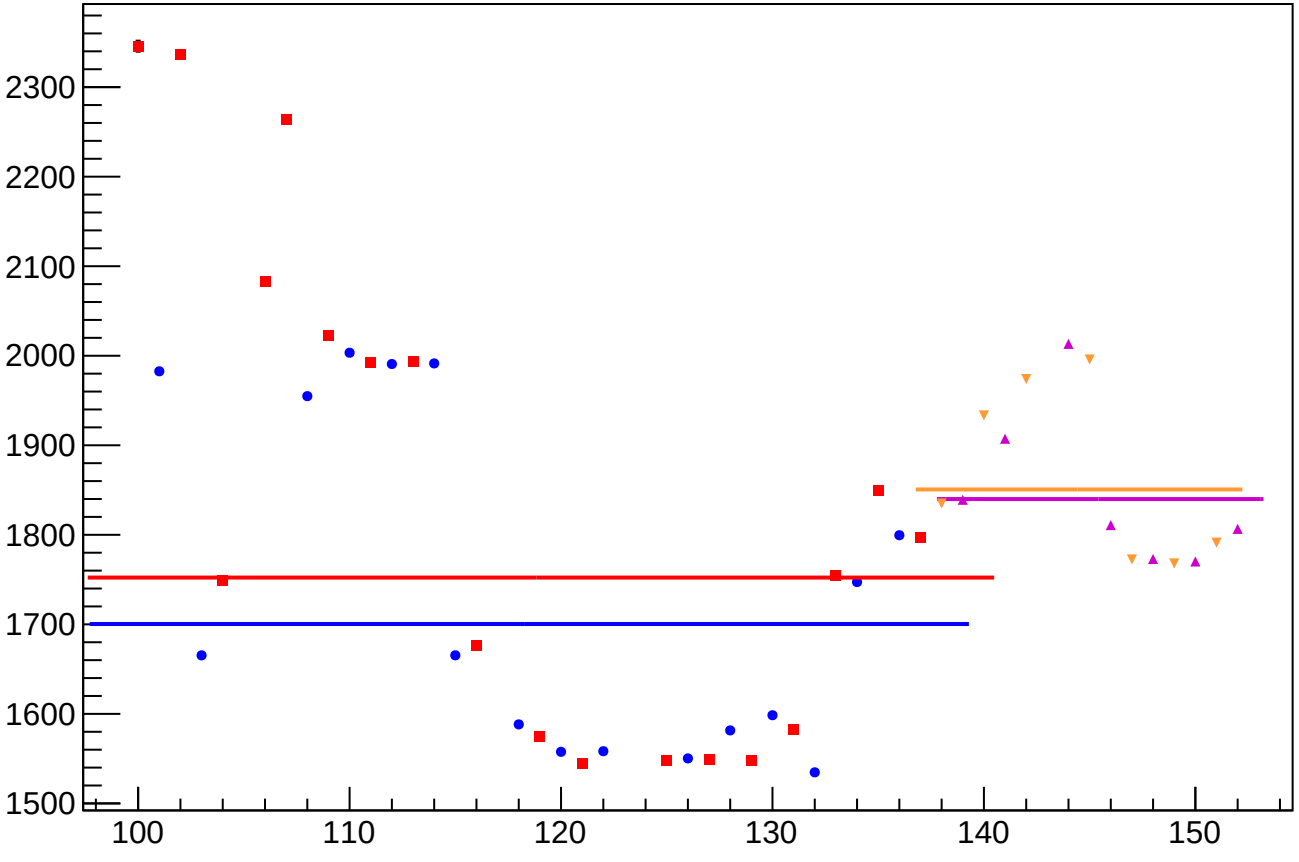
Left In: -2609.963+/-743.418 χ^2/NDF:14.8/6

+ sign 1634.852+/-497.779 χ^2/NDF: 25.5/22

All: -205.788+/-350.639 χ^2/NDF: 86.0/47

- sign -2018.583+/-493.999 χ^2/NDF: 33.4/24

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1850.664+/-0.565 χ^2/NDF:23911.5/6

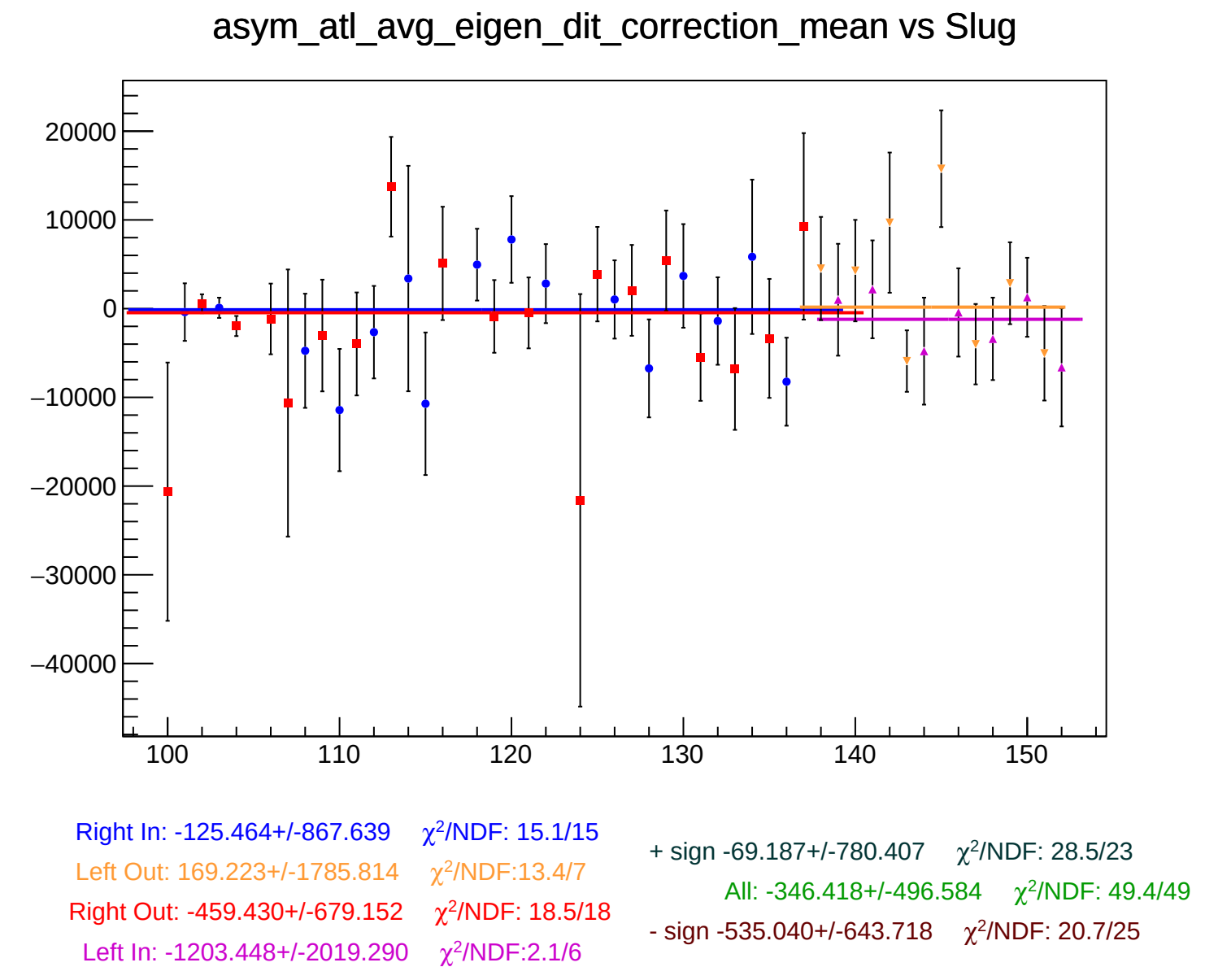
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1839.930+/-0.526 χ^2/NDF:21793.7/6

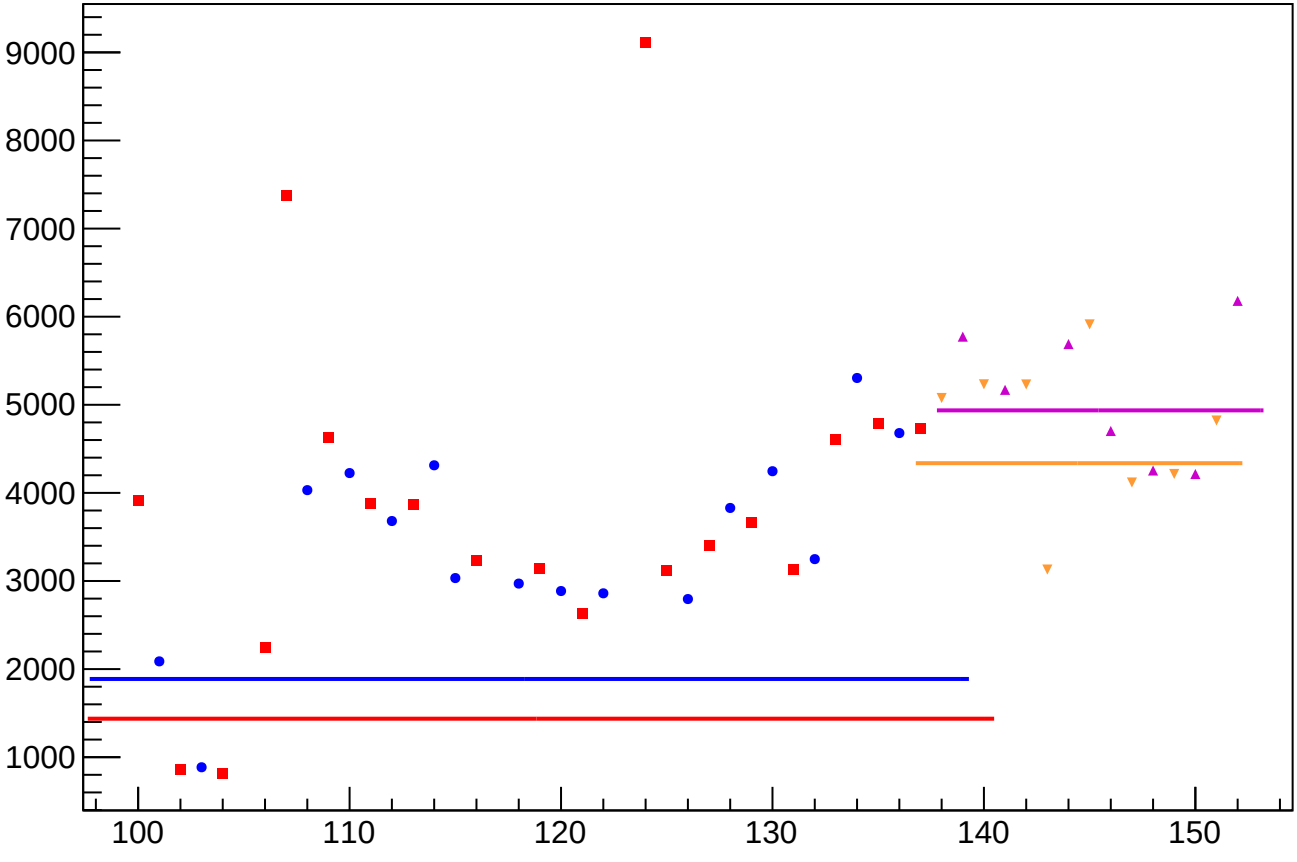
+ sign 1758.715+/-0.352 χ^2/NDF: 202642.5/22

All: 1774.931+/-0.248 χ^2/NDF: 492167.6/47

- sign 1790.861+/-0.349 χ^2/NDF: 285317.6/24


asym_atl_avg_eigen_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -125.464+/-867.639 χ²/NDF: 15.1/15
Left Out: 169.223+/-1785.814 χ²/NDF:13.4/7
Right Out: -459.430+/-679.152 χ²/NDF: 18.5/18
Left In: -1203.448+/-2019.290 χ²/NDF:2.1/6
+ sign -69.187+/-780.407 χ²/NDF: 28.5/23
All: -346.418+/-496.584 χ²/NDF: 49.4/49
- sign -535.040+/-643.718 χ²/NDF: 20.7/25

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4337.240+/-1.263 χ^2/NDF:487268.0/7

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

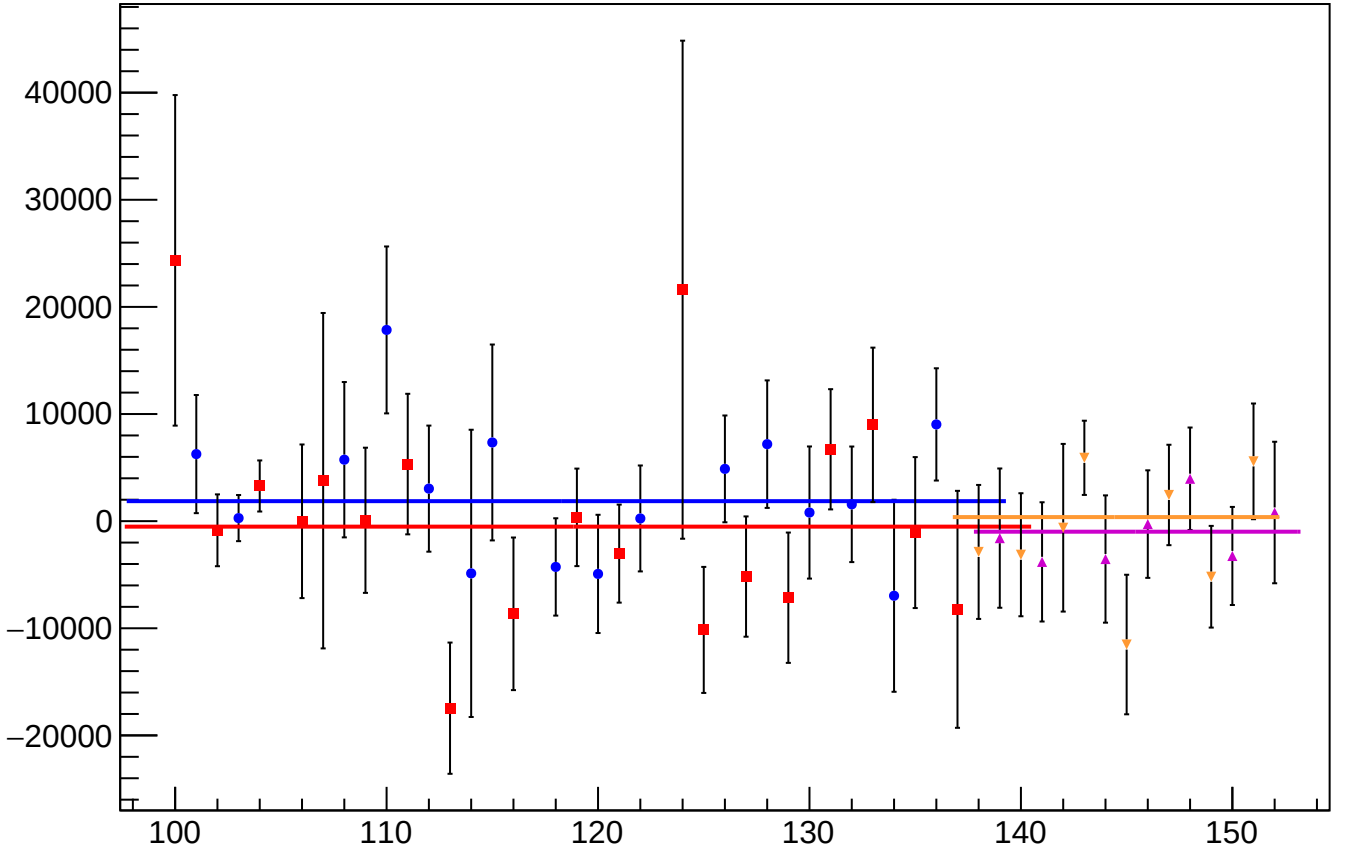
Left In: 4936.647+/-1.428 χ^2/NDF:239949.9/6

+ sign 2355.722+/-0.552 χ^2/NDF: 7956614.1/23

All: 2020.684+/-0.351 χ^2/NDF: 20176756.7/4

- sign 1792.732+/-0.455 χ^2/NDF: 11600726.2/25

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 378.815+/-1815.755 χ^2/NDF:9.0/7

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

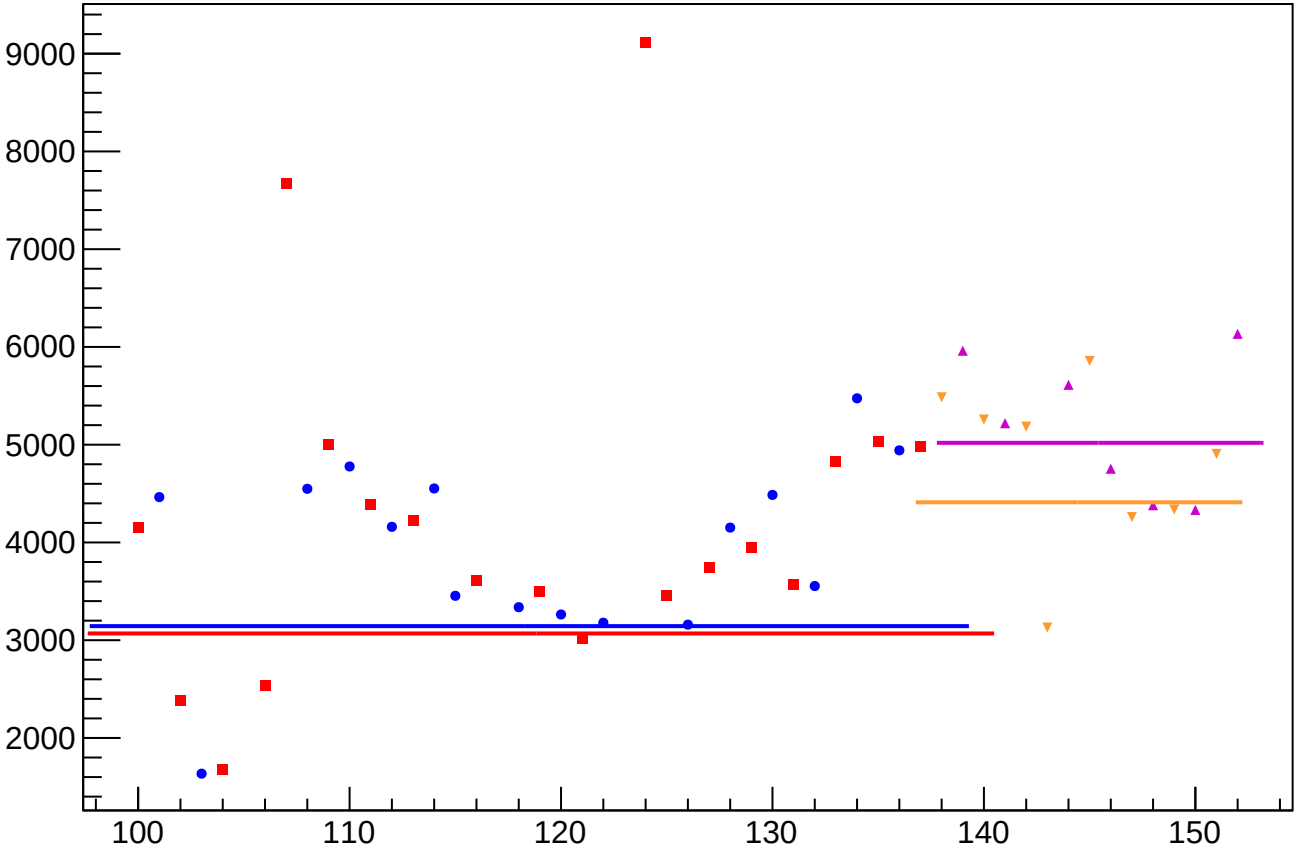
Left In: -985.028+/-2048.397 χ^2/NDF:1.9/6

+ sign 1383.468+/-1034.727 χ^2/NDF: 23.3/23

All: 398.048+/-741.023 χ^2/NDF: 51.7/49

- sign -639.468+/-1061.726 χ^2/NDF: 26.6/25

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4410.549+/-1.284 χ^2/NDF:513447.0/7

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

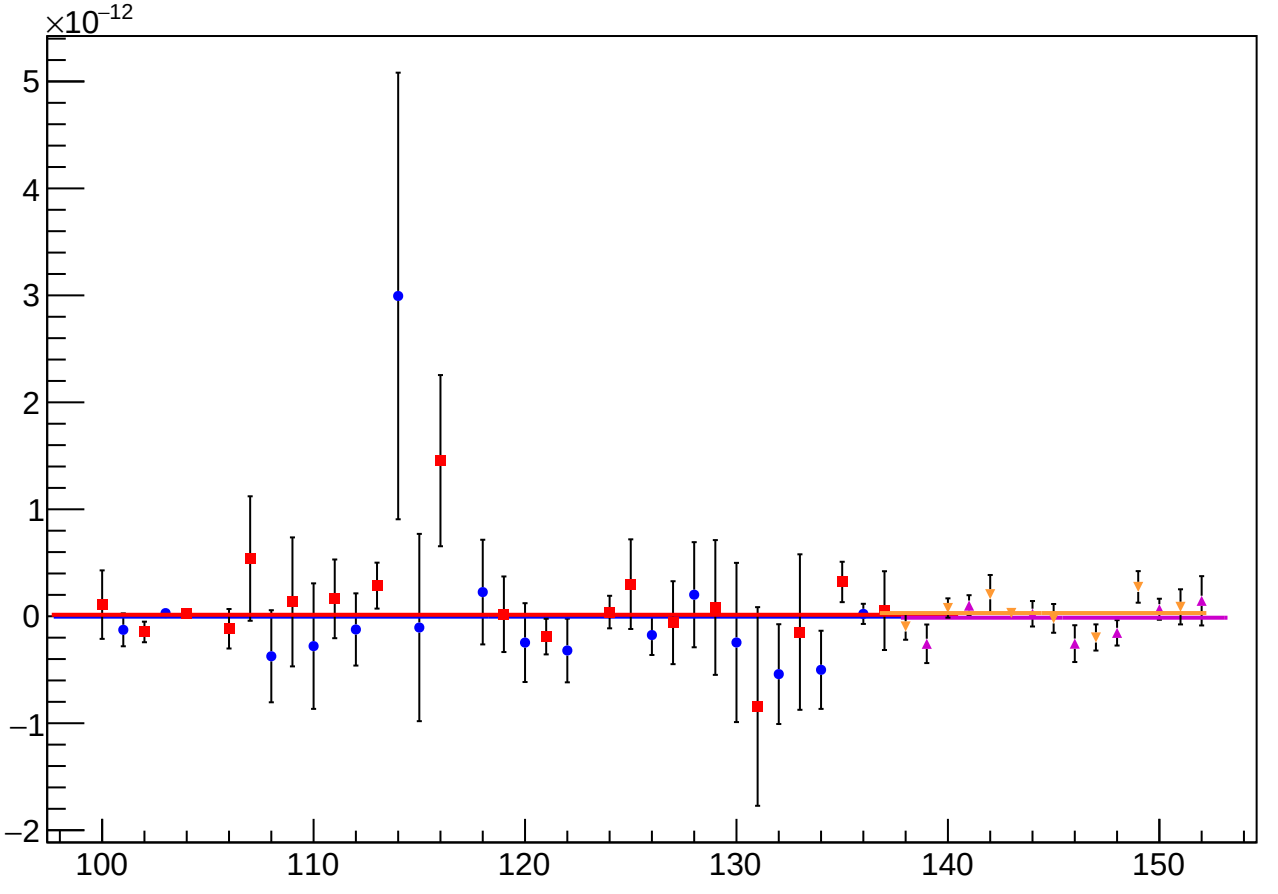
Left In: 5019.091+/-1.448 χ^2/NDF:207640.9/6

+ sign 3555.391+/-0.732 χ^2/NDF: 3053544.6/23

All: 3568.028+/-0.521 χ^2/NDF: 6480068.5/49

- sign 3581.029+/-0.742 χ^2/NDF: 3425918.7/25

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:8.7/7

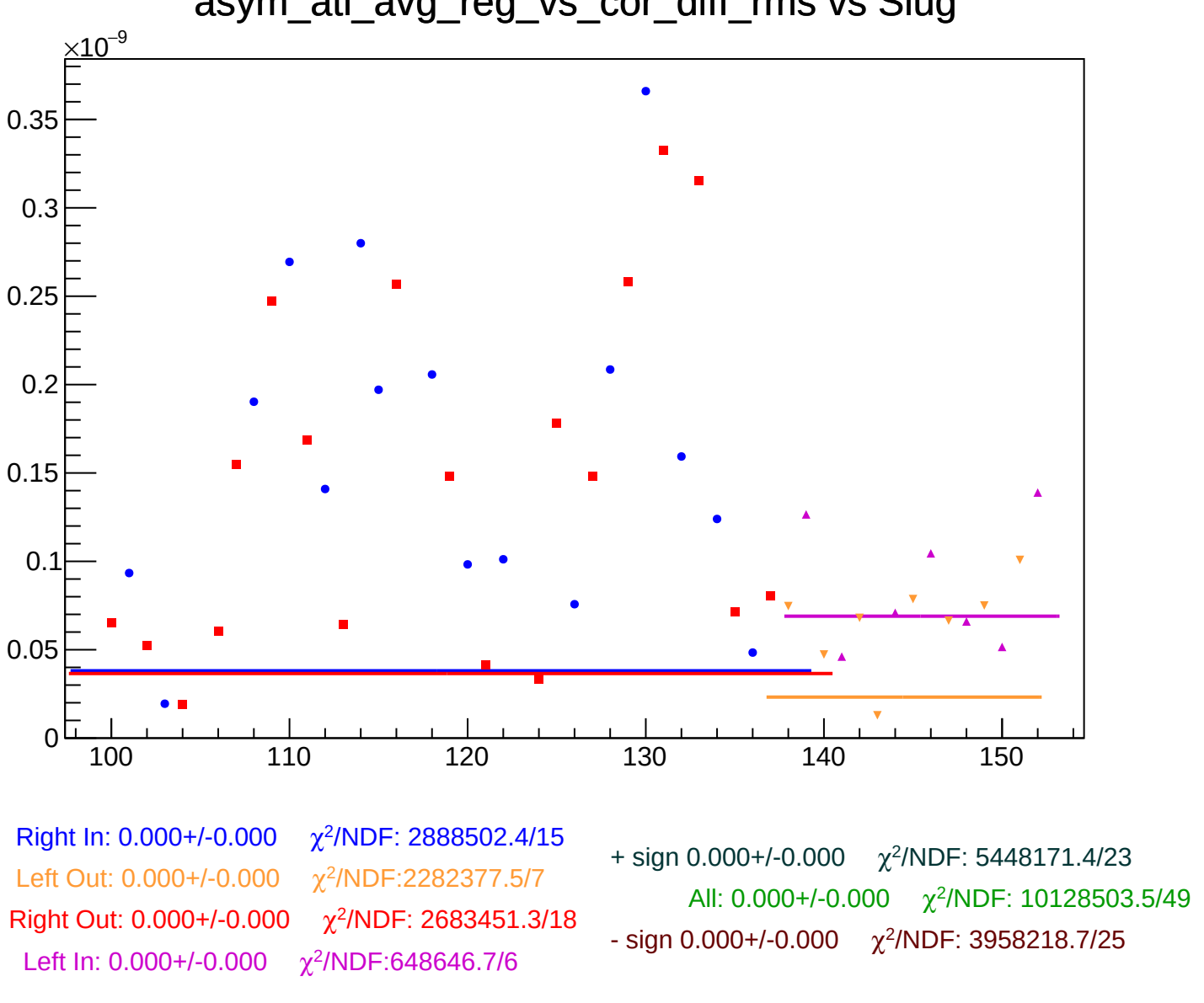
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/6

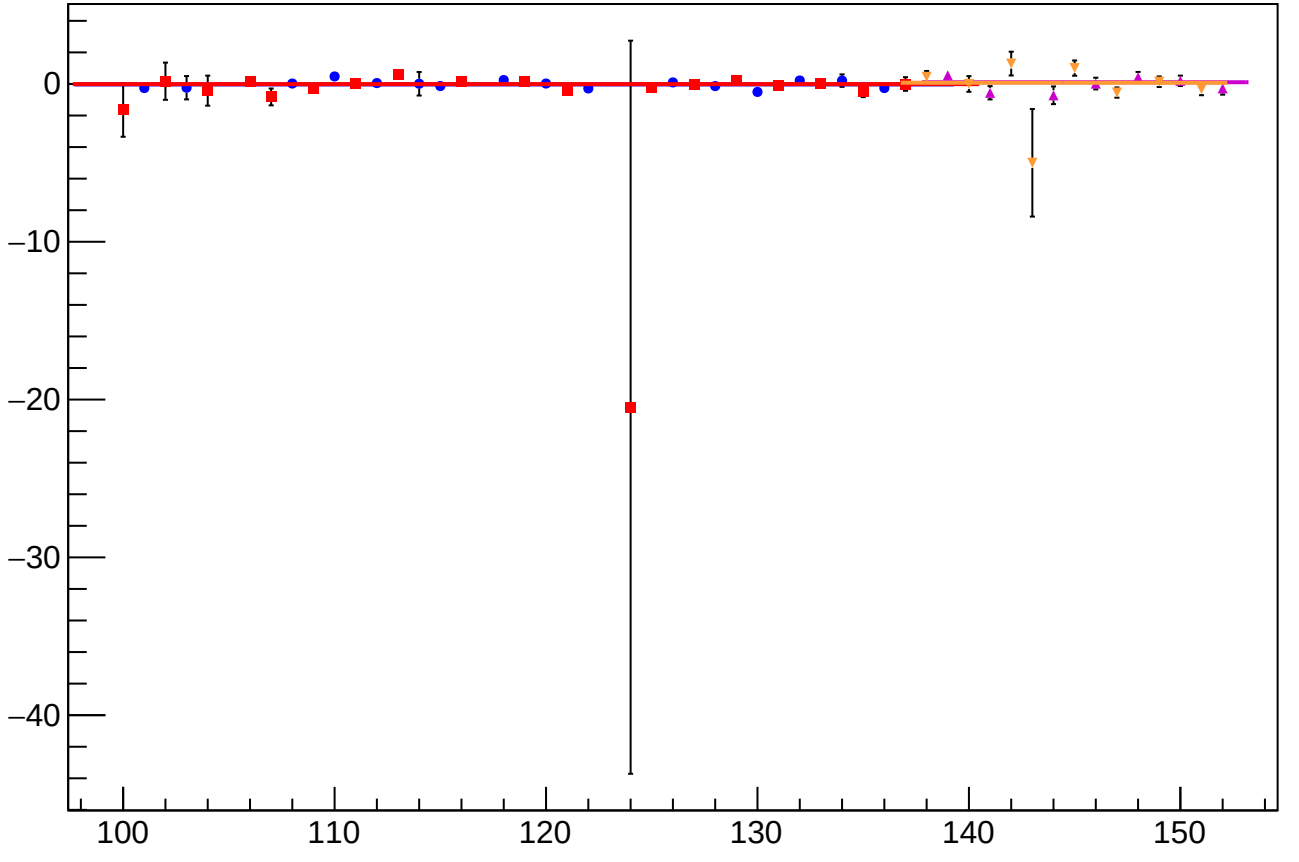
+ sign 0.000+/-0.000 χ^2/NDF: 20.1/23

All: 0.000+/-0.000 χ^2/NDF: 43.3/49

- sign 0.000+/-0.000 χ^2/NDF: 23.0/25


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2282377.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:648646.7/6
+ sign 0.000+/-0.000 χ²/NDF: 5448171.4/23
All: 0.000+/-0.000 χ²/NDF: 10128503.5/49
- sign 0.000+/-0.000 χ²/NDF: 3958218.7/25

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.077+/-0.154 χ^2/NDF:14.3/7

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

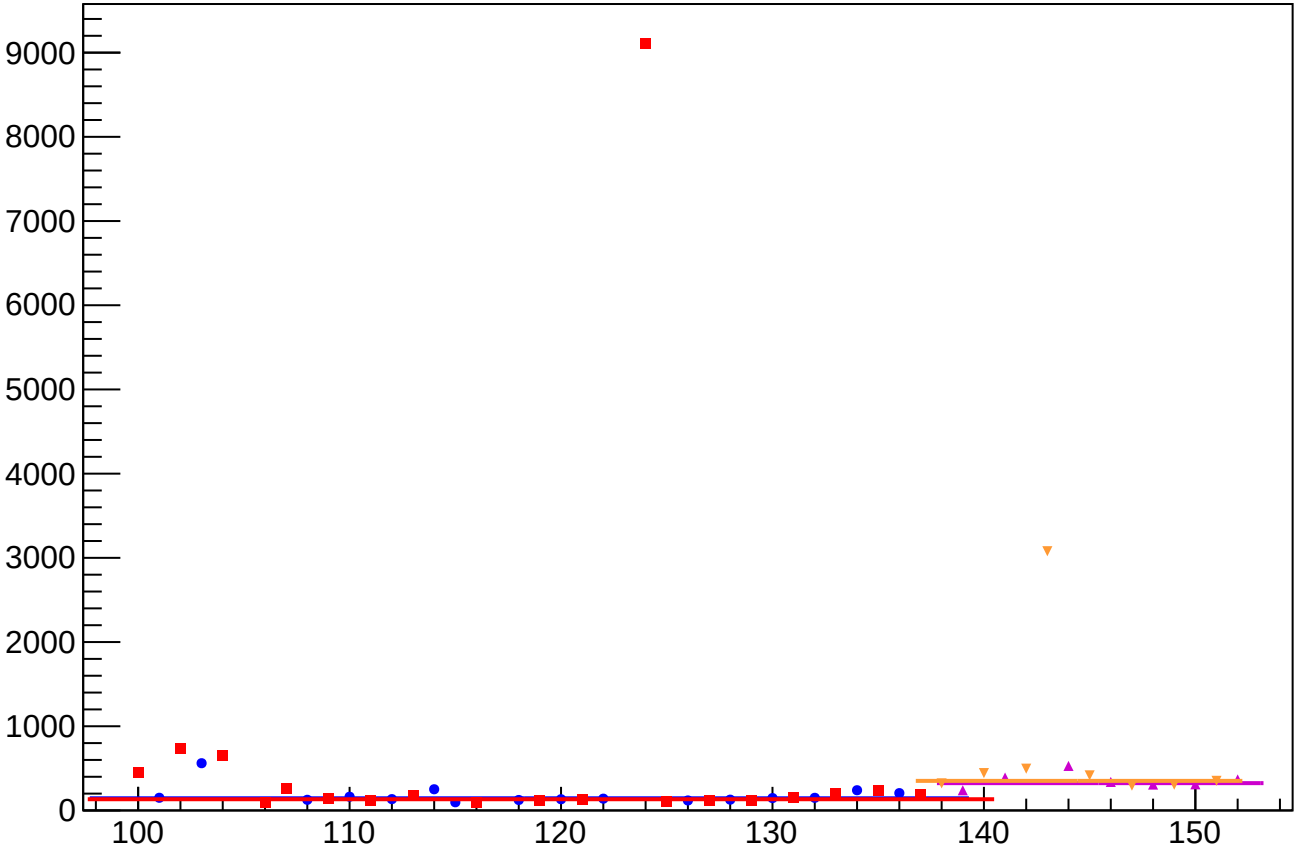
Left In: 0.109+/-0.136 χ^2/NDF:9.2/6

+ sign -0.016+/-0.054 χ^2/NDF: 32.0/23

All: -0.004+/-0.038 χ^2/NDF: 63.7/49

- sign 0.007+/-0.052 χ^2/NDF: 31.7/25

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 351.311+/-0.109 χ^2/NDF:1570087.4/7

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

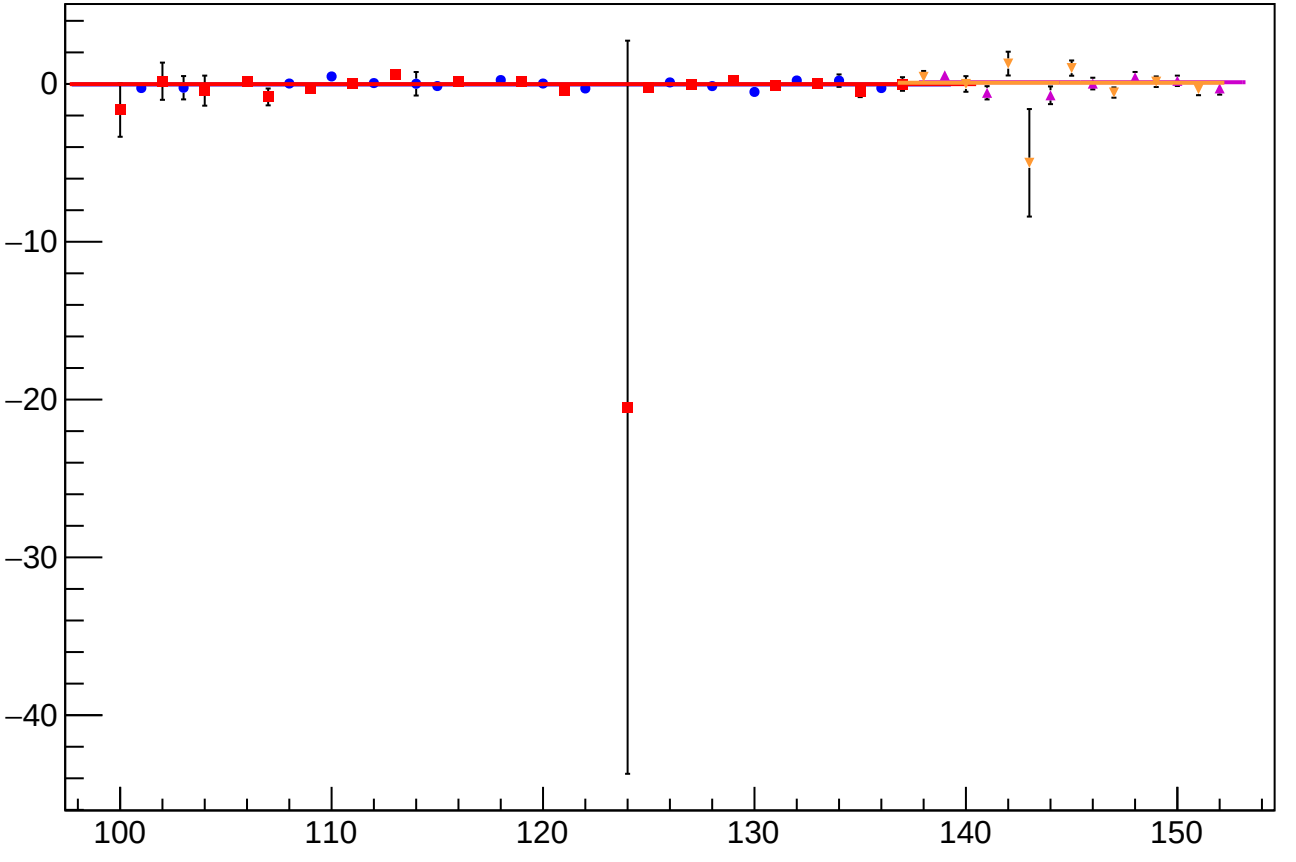
Left In: 324.417+/-0.096 χ^2/NDF:544621.8/6

+ sign 169.989+/-0.038 χ^2/NDF: 5880739.7/23

All: 165.498+/-0.027 χ^2/NDF: 12032607.8/49

- sign 161.320+/-0.037 χ^2/NDF: 6125279.2/25

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.077+/-0.154 χ^2/NDF:14.3/7

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

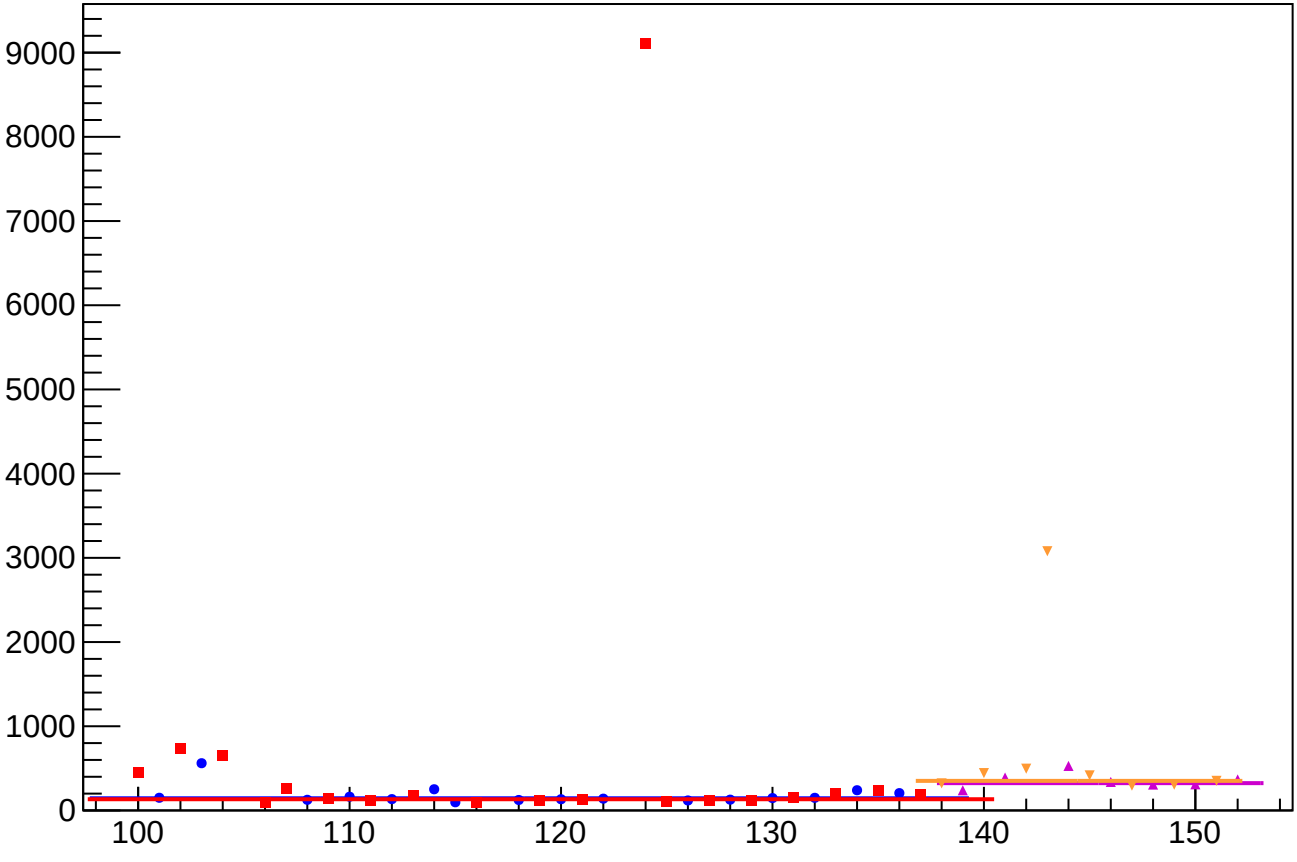
Left In: 0.109+/-0.136 χ^2/NDF:9.2/6

+ sign -0.016+/-0.054 χ^2/NDF: 32.0/23

All: -0.004+/-0.038 χ^2/NDF: 63.7/49

- sign 0.007+/-0.052 χ^2/NDF: 31.7/25

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: 351.311+/-0.109 χ^2/NDF:1570087.4/7

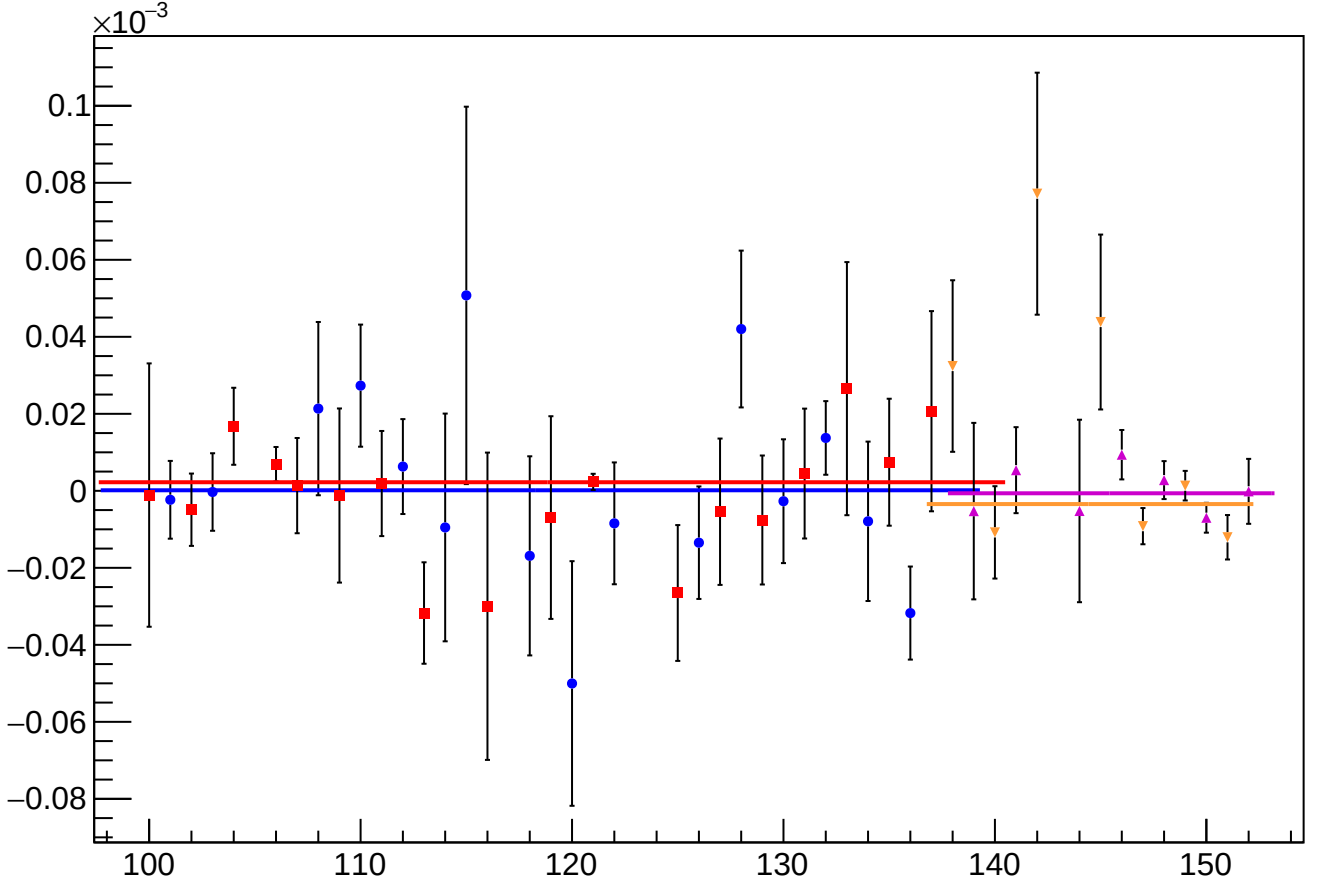
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 324.417+/-0.096 χ^2/NDF:544621.8/6

+ sign 169.989+/-0.038 χ^2/NDF: 5880739.7/23

All: 165.498+/-0.027 χ^2/NDF: 12032607.8/49

- sign 161.320+/-0.037 χ^2/NDF: 6125279.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

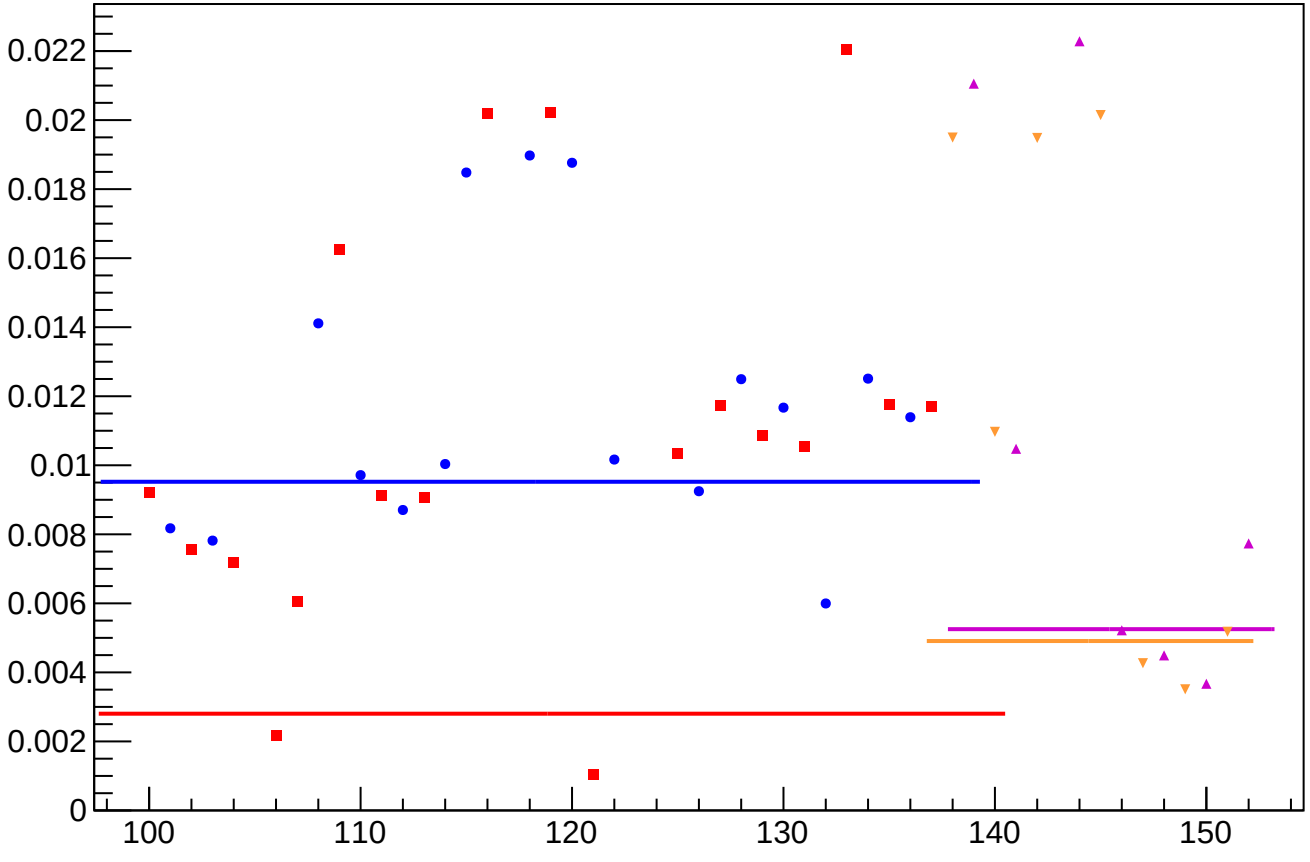
Left In: -0.000+/-0.000 χ^2/NDF:6.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 42.6/22

All: 0.000+/-0.000 χ^2/NDF: 67.1/47

- sign 0.000+/-0.000 χ^2/NDF: 22.4/24

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:3005257.0/6

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

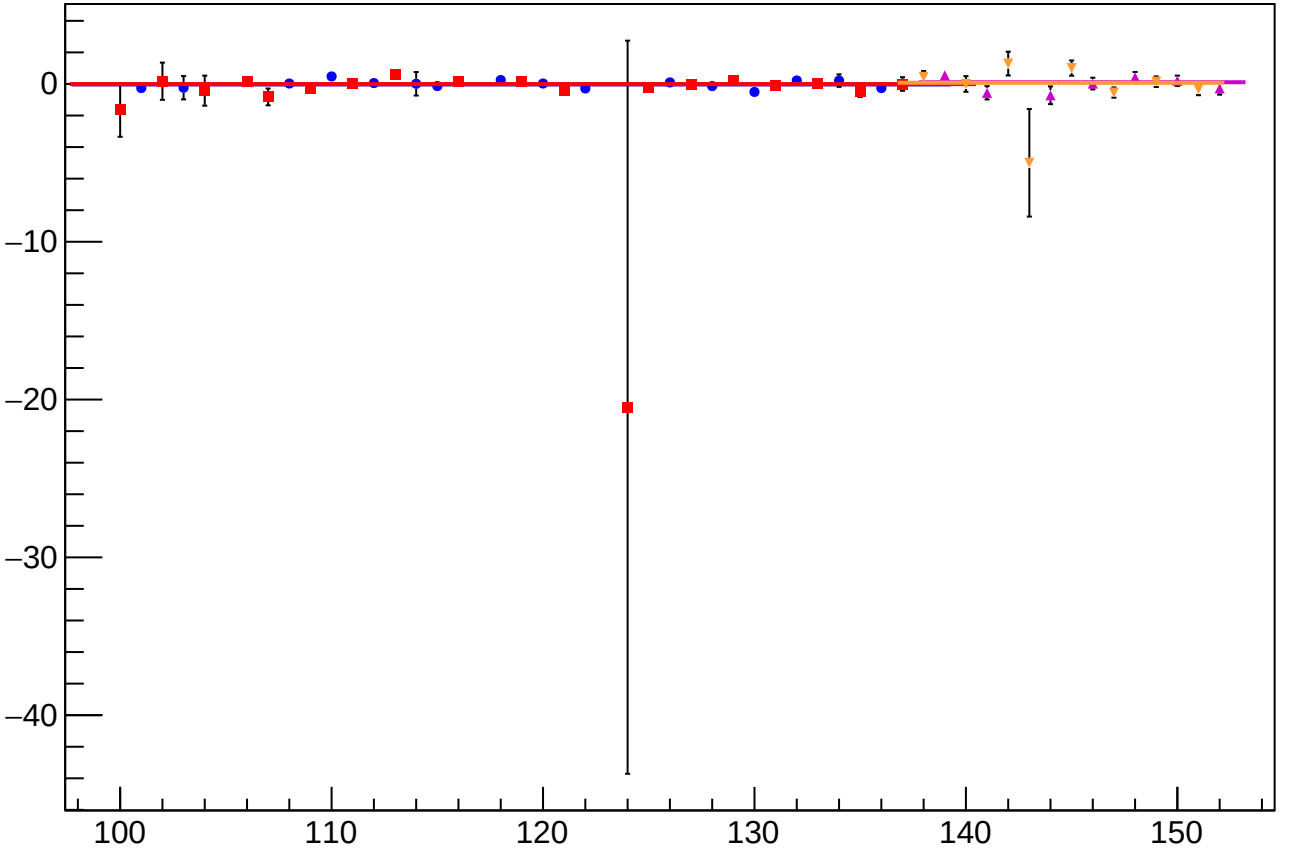
Left In: 0.005+/-0.000 χ^2/NDF:2975533.1/6

+ sign 0.006+/-0.000 χ^2/NDF: 6218098.4/22

All: 0.004+/-0.000 χ^2/NDF: 21454687.6/47

- sign 0.004+/-0.000 χ^2/NDF: 12834585.9/24

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.077+/-0.154 χ^2/NDF:14.3/7

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

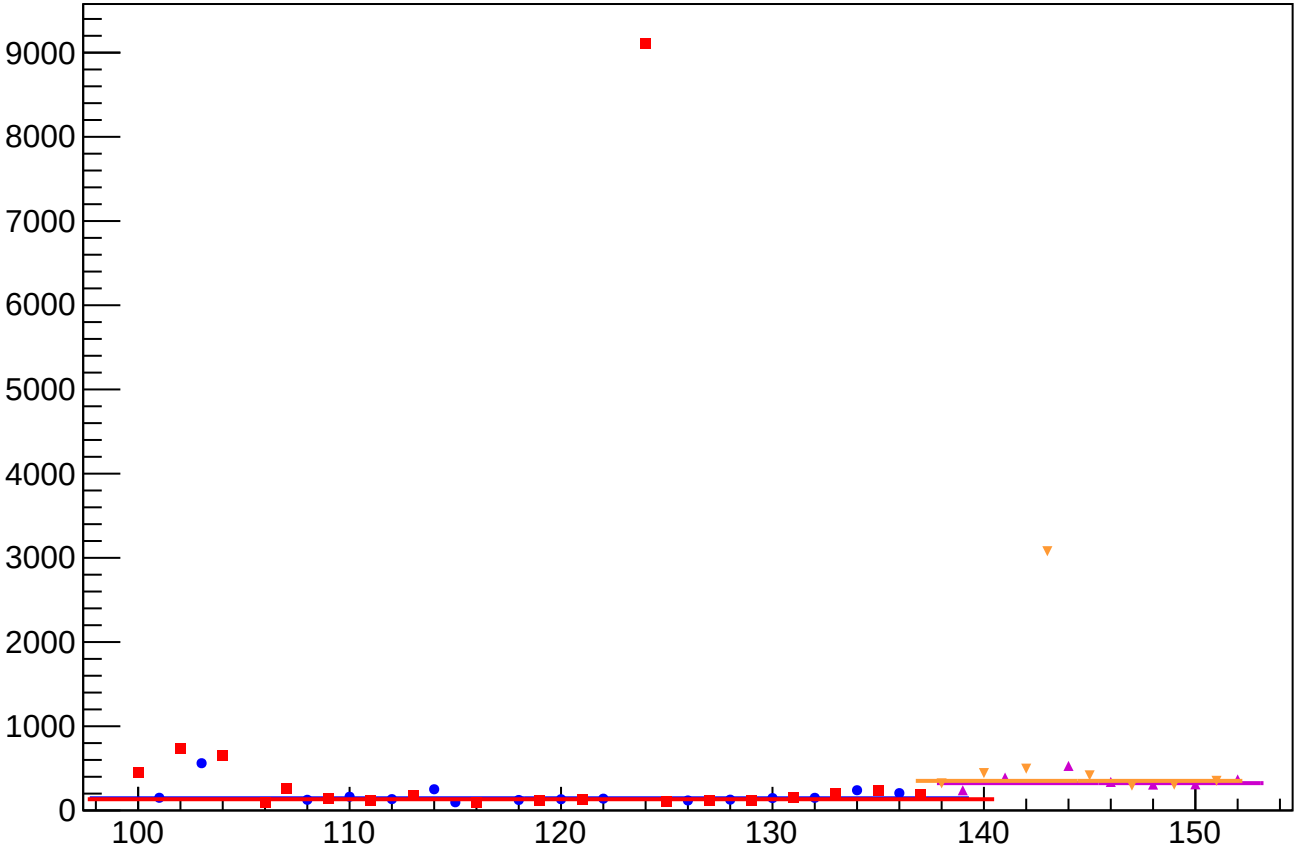
Left In: 0.109+/-0.136 χ^2/NDF:9.2/6

+ sign -0.016+/-0.054 χ^2/NDF: 32.0/23

All: -0.004+/-0.038 χ^2/NDF: 63.7/49

- sign 0.007+/-0.052 χ^2/NDF: 31.7/25

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: 351.313+/-0.109 χ^2/NDF:1570108.8/7

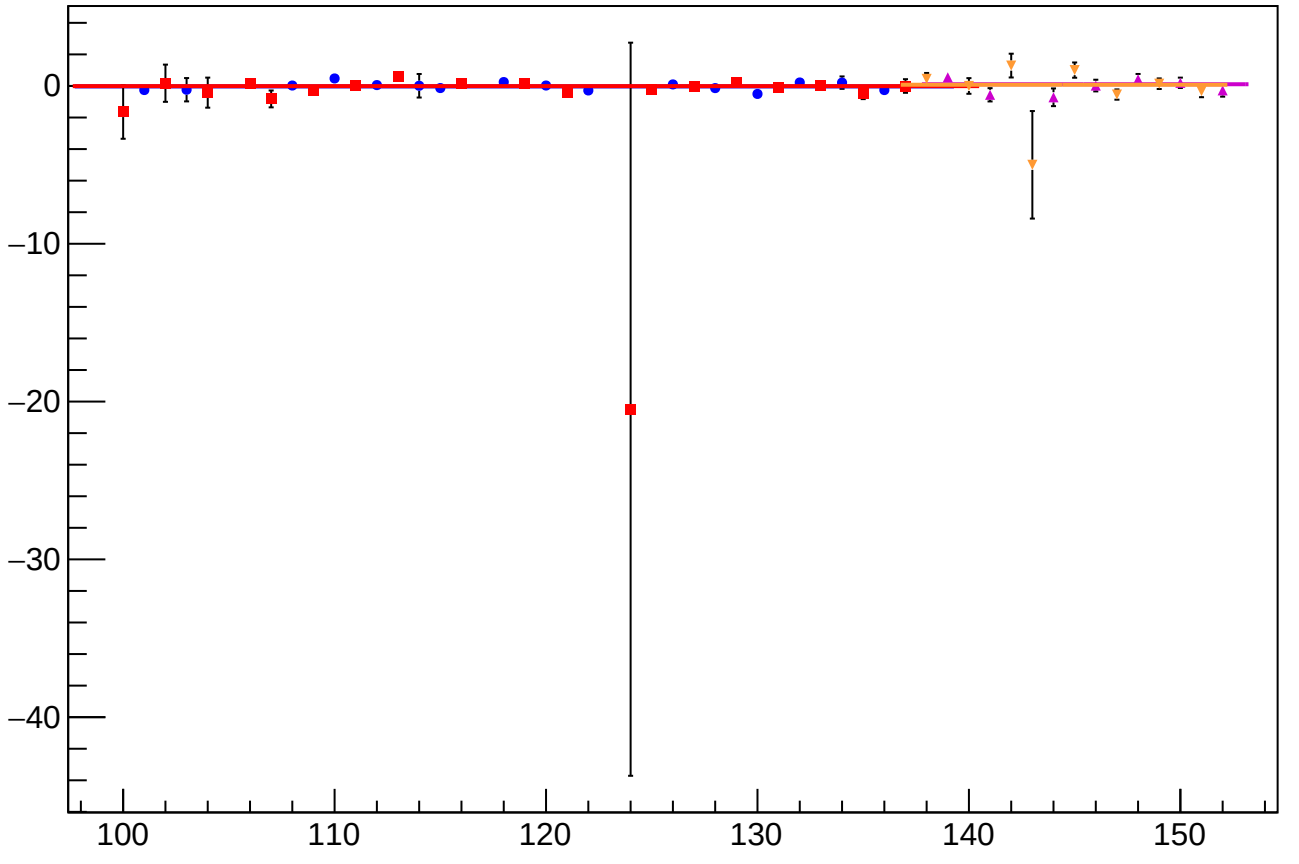
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.422+/-0.096 χ^2/NDF:544607.2/6

+ sign 169.987+/-0.038 χ^2/NDF: 5880872.3/23

All: 165.497+/-0.027 χ^2/NDF: 12032786.5/49

- sign 161.319+/-0.037 χ^2/NDF: 6125330.6/25



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.077+/-0.154 χ^2/NDF:14.3/7

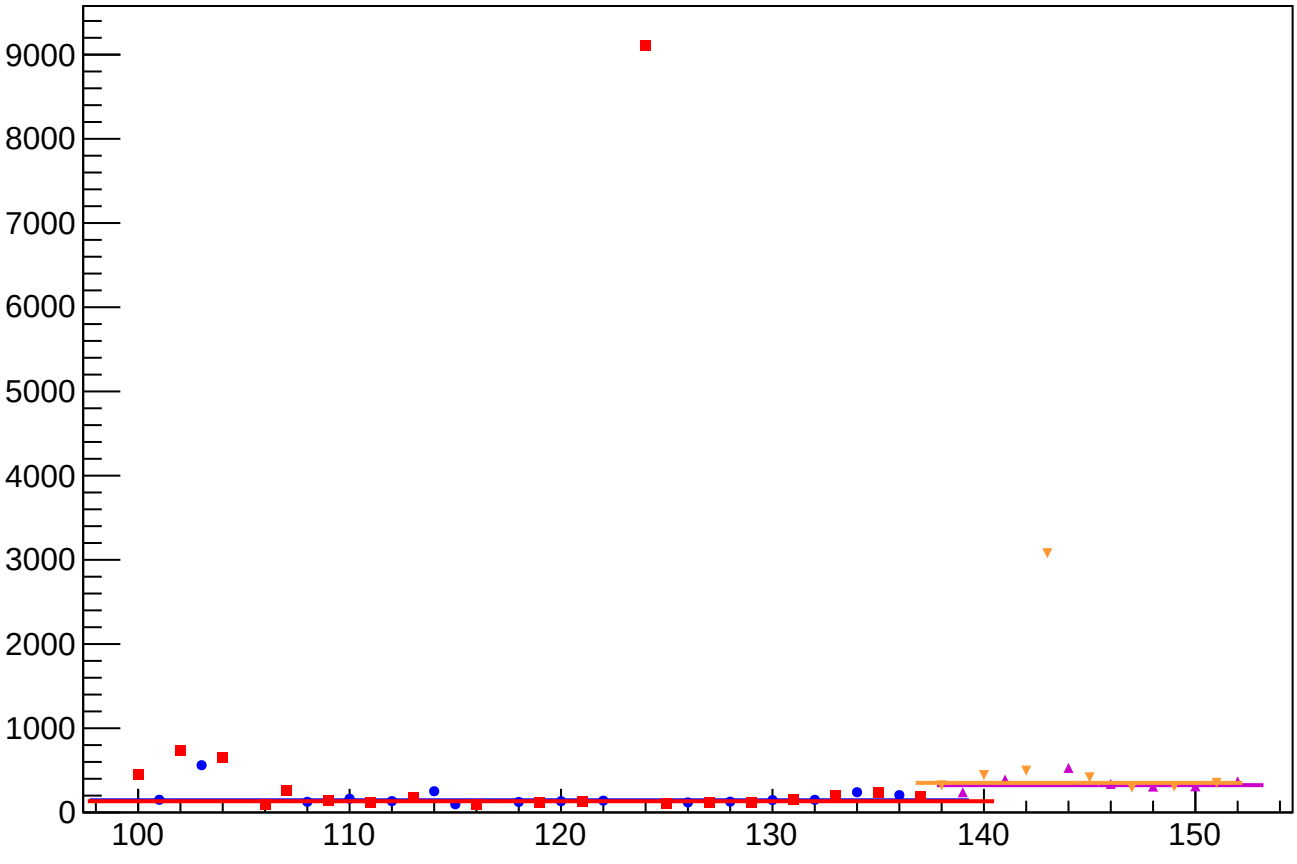
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.109+/-0.136 χ^2/NDF:9.2/6

+ sign -0.016+/-0.054 χ^2/NDF: 32.0/23

All: -0.004+/-0.038 χ^2/NDF: 63.7/49

- sign 0.007+/-0.052 χ^2/NDF: 31.7/25



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 351.313+/-0.109 χ^2/NDF:1570108.8/7

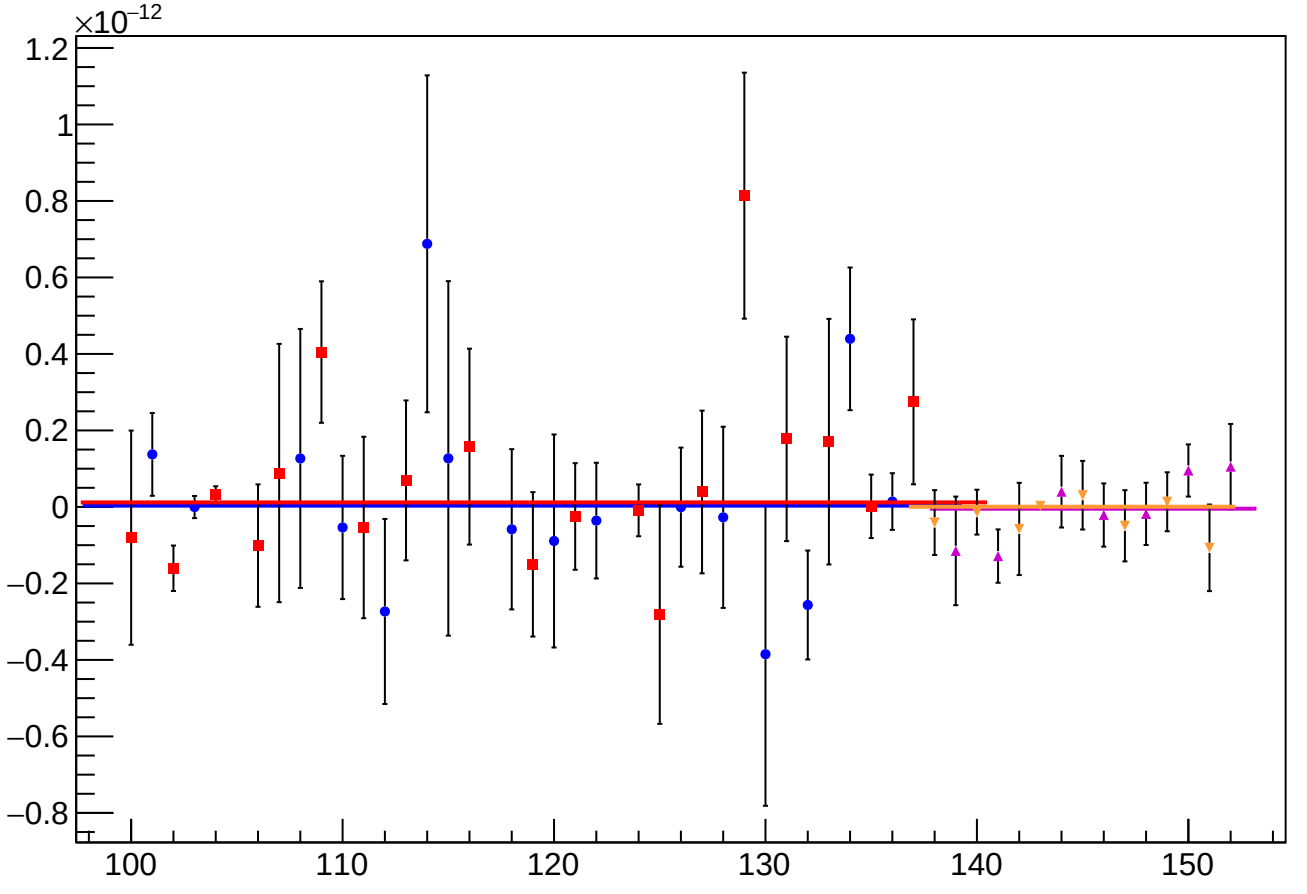
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.422+/-0.096 χ^2/NDF:544607.2/6

+ sign 169.987+/-0.038 χ^2/NDF: 5880872.3/23

All: 165.497+/-0.027 χ^2/NDF: 12032786.5/49

- sign 161.319+/-0.037 χ^2/NDF: 6125330.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/7

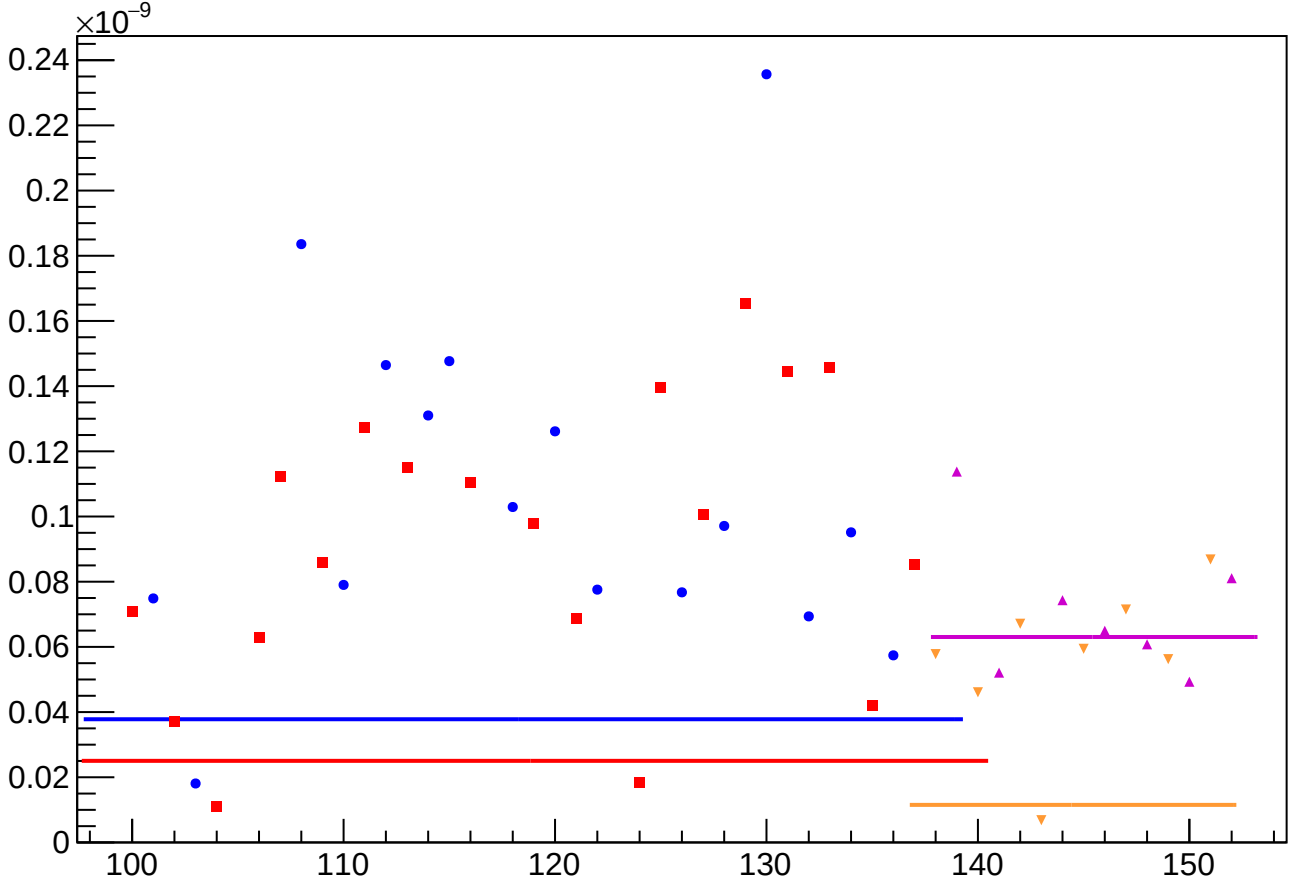
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 17.5/23

All: 0.000+/-0.000 χ^2/NDF: 50.2/49

- sign 0.000+/-0.000 χ^2/NDF: 32.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5108444.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

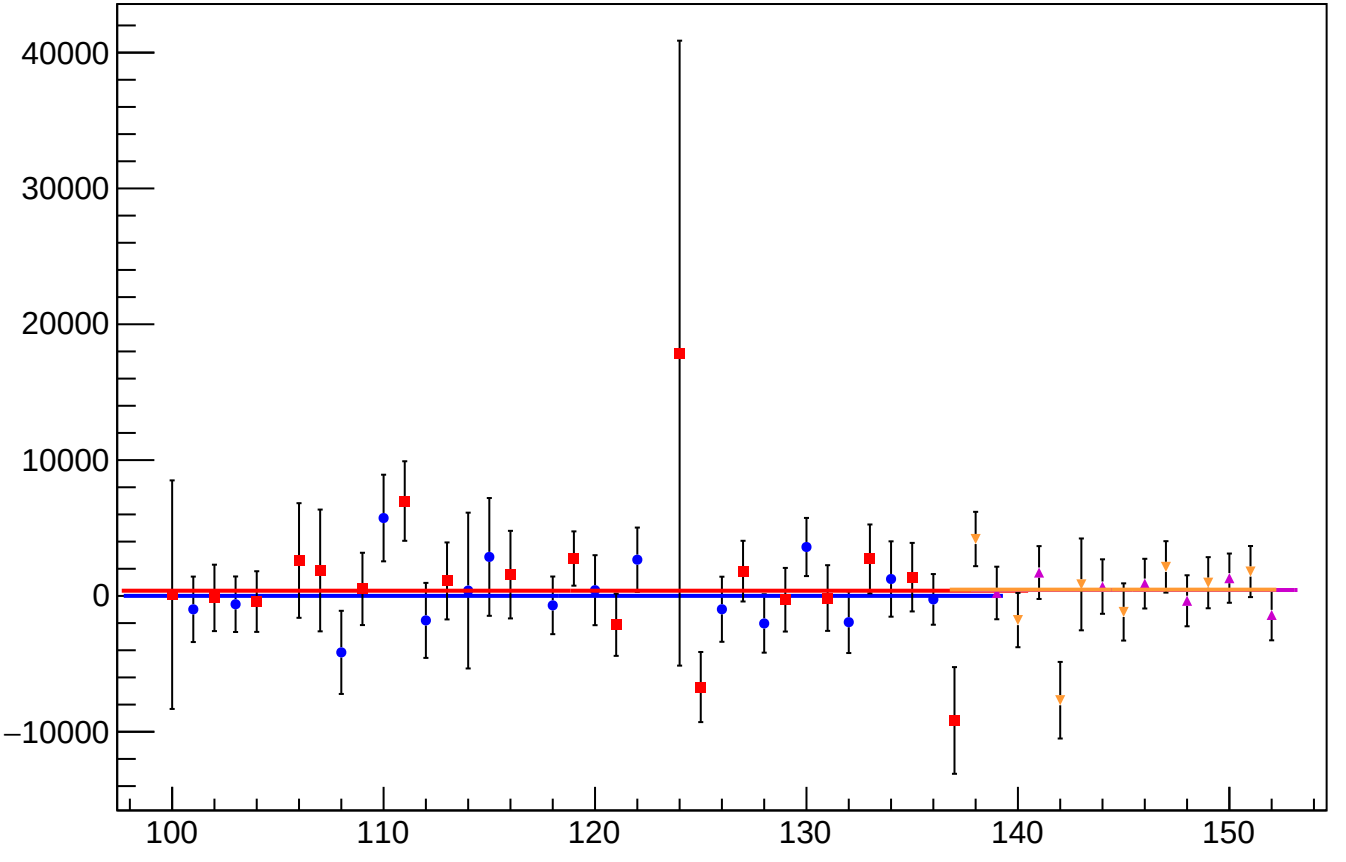
Left In: 0.000+/-0.000 χ^2/NDF:469506.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 11130307.9/23

All: 0.000+/-0.000 χ^2/NDF: 20601578.3/49

- sign 0.000+/-0.000 χ^2/NDF: 7258130.7/25

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 461.992+/-748.894 χ^2/NDF:15.0/7

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

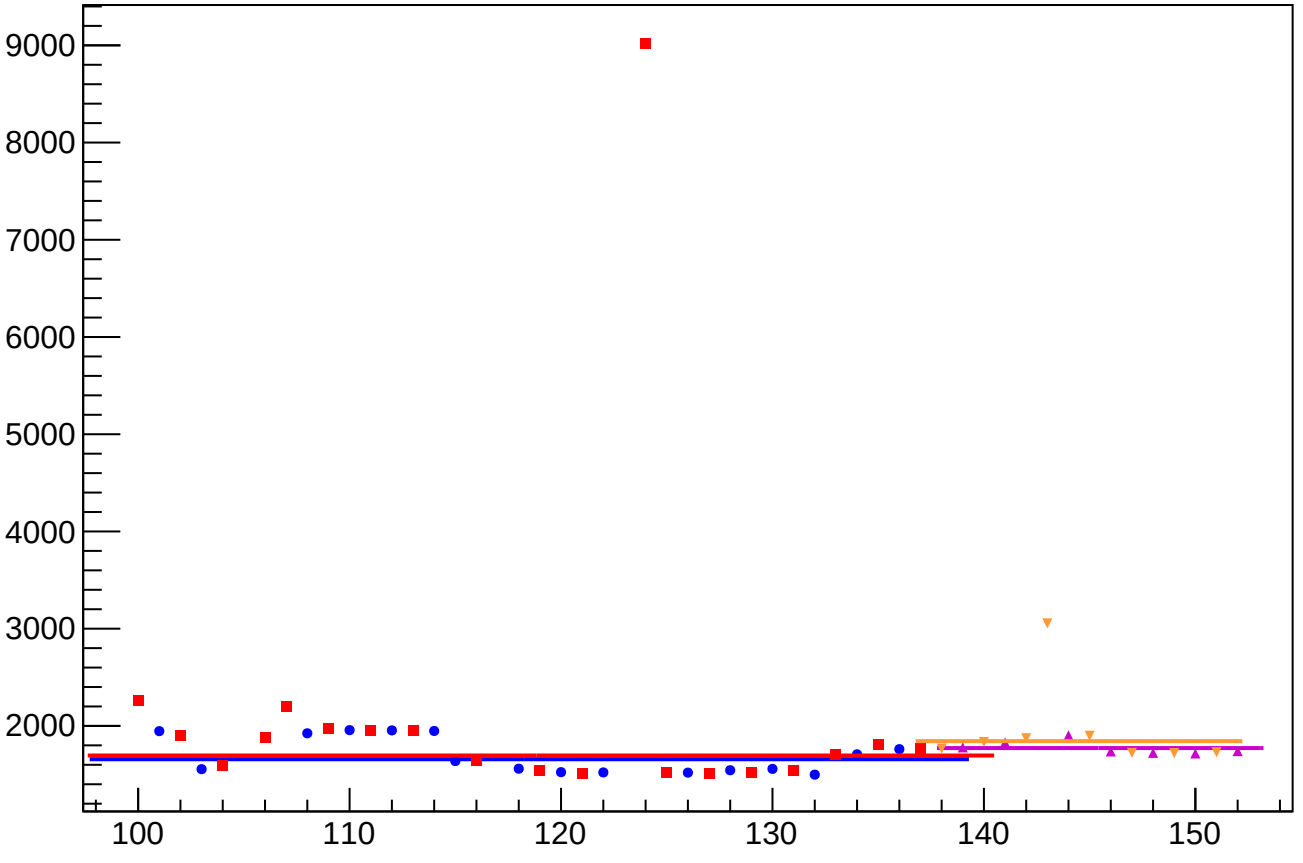
Left In: 436.385+/-715.657 χ^2/NDF:1.9/6

+ sign 190.438+/-477.530 χ^2/NDF: 27.7/23

All: 299.650+/-336.563 χ^2/NDF: 53.8/49

- sign 407.446+/-474.428 χ^2/NDF: 26.0/25

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1843.363+/-0.530 χ^2/NDF:285290.5/7

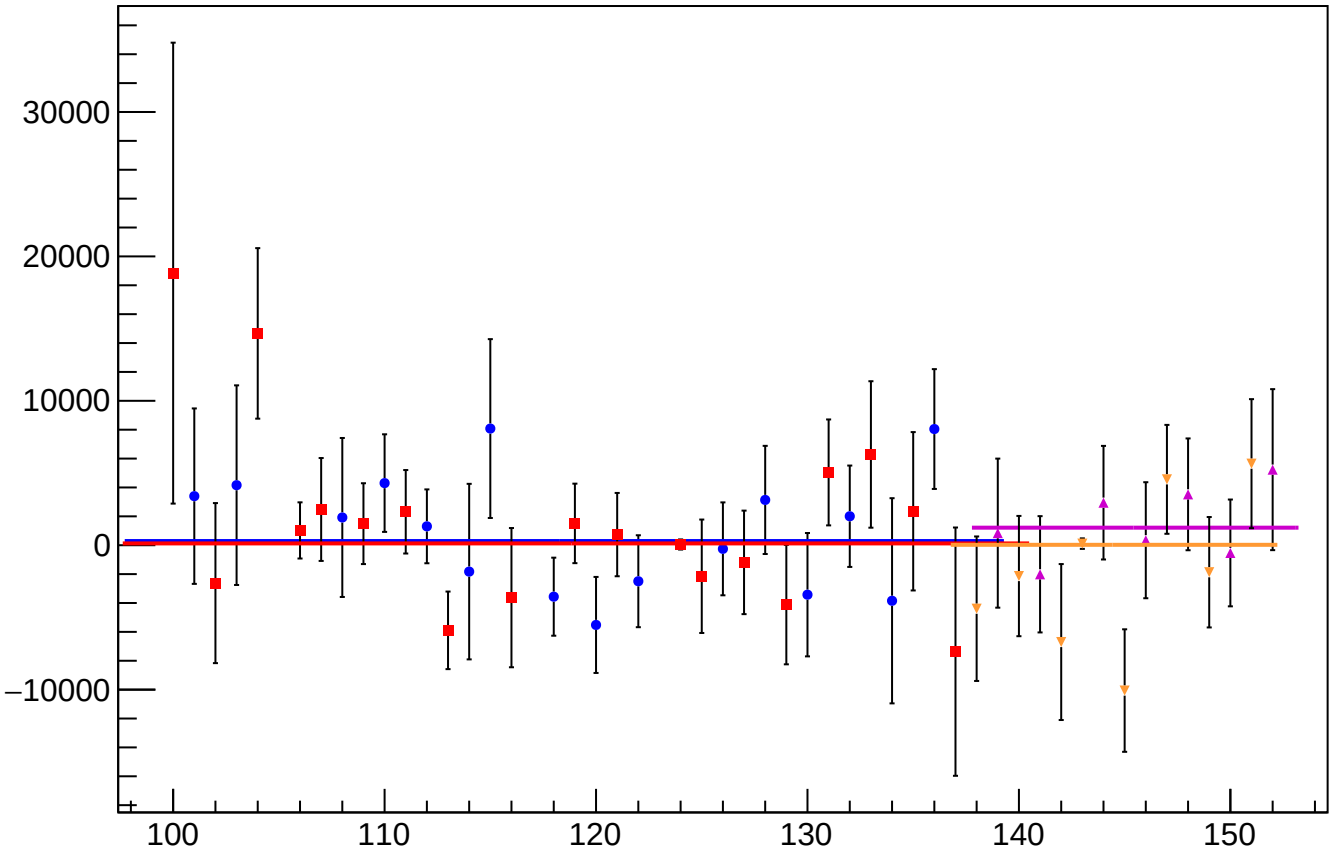
Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1772.046+/-0.506 χ^2/NDF:14874.4/6

+ sign 1732.845+/-0.338 χ^2/NDF: 502674.2/23

All: 1730.930+/-0.238 χ^2/NDF: 916655.7/49

- sign 1729.050+/-0.335 χ^2/NDF: 413917.9/25



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 28.079+/-355.367 χ^2/NDF:11.6/7

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

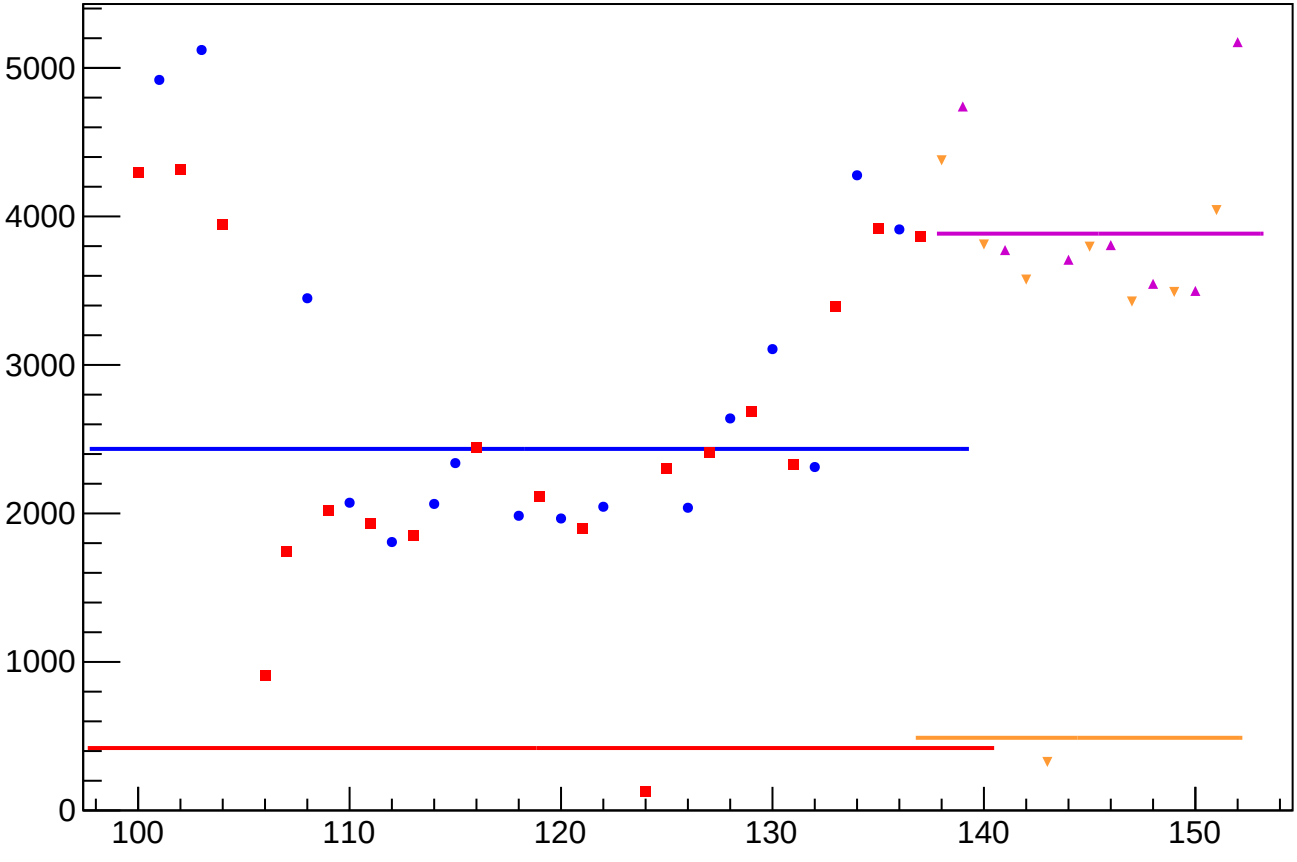
Left In: 1215.577+/-1585.325 χ^2/NDF:2.0/6

+ sign 59.493+/-333.311 χ^2/NDF: 26.9/23

All: 117.075+/-229.767 χ^2/NDF: 50.2/49

- sign 169.214+/-317.170 χ^2/NDF: 23.3/25

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 489.237+/-0.251 χ^2/NDF:8461212.7/7

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

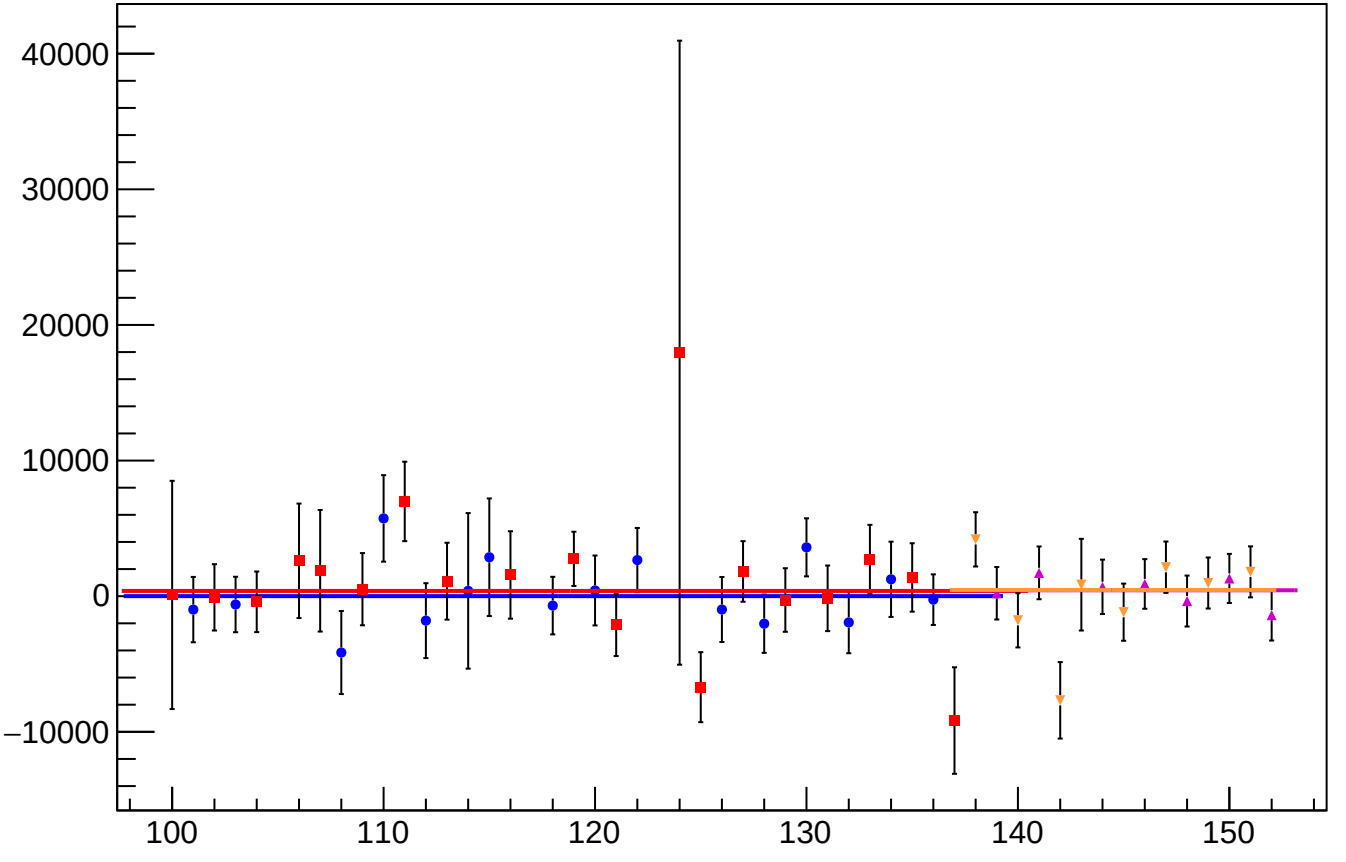
Left In: 3884.030+/-1.121 χ^2/NDF:205311.8/6

+ sign 723.222+/-0.236 χ^2/NDF: 17127726.3/23

All: 637.003+/-0.162 χ^2/NDF: 37817219.8/49

- sign 558.933+/-0.224 χ^2/NDF: 20434494.4/25

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 461.828+/-748.894 χ^2/NDF:15.0/7

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

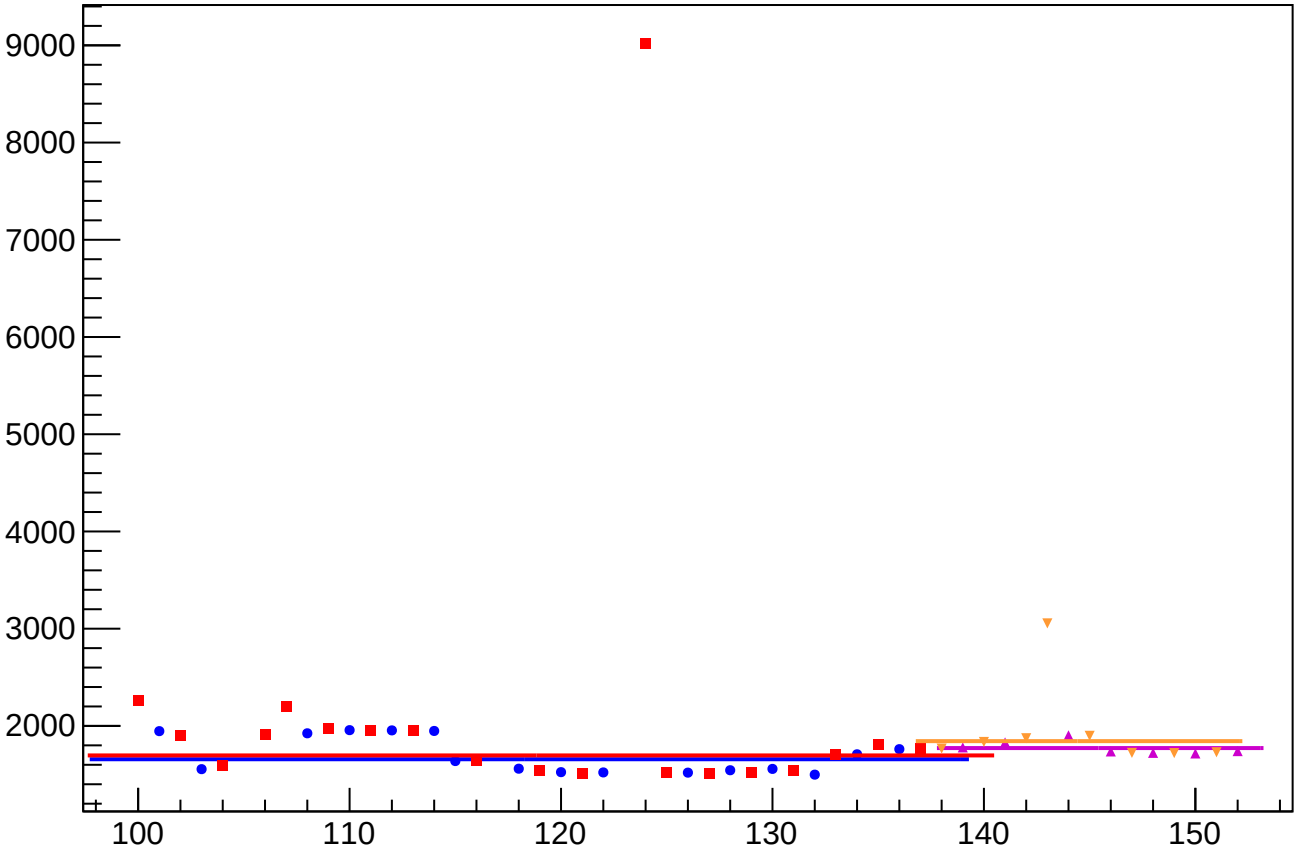
Left In: 436.373+/-715.657 χ^2/NDF:1.9/6

+ sign 190.325+/-477.531 χ^2/NDF: 27.7/23

All: 300.803+/-336.564 χ^2/NDF: 53.8/49

- sign 409.850+/-474.430 χ^2/NDF: 26.0/25

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1843.363+/-0.530 χ^2/NDF:285290.5/7

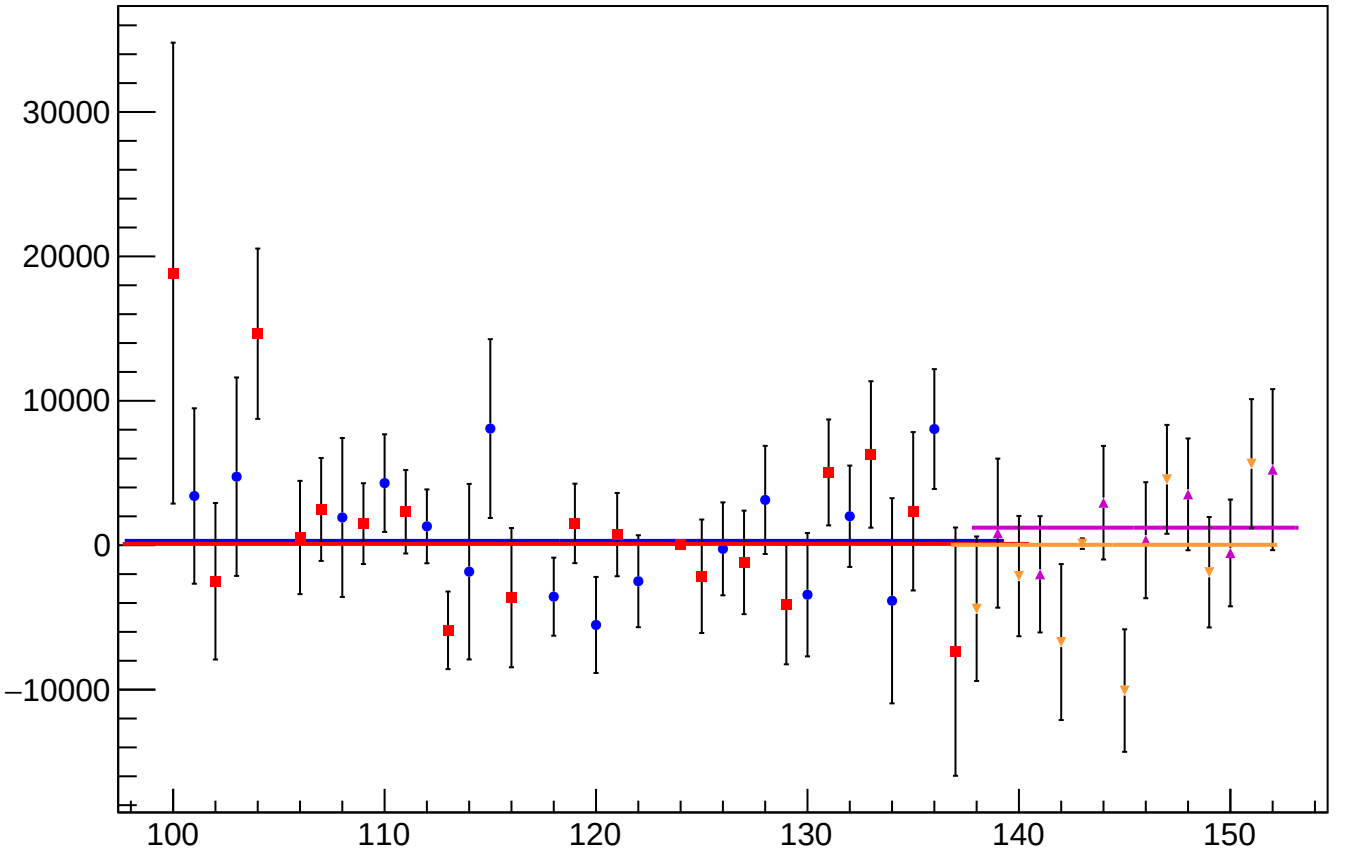
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1772.046+/-0.506 χ^2/NDF:14874.4/6

+ sign 1732.845+/-0.338 χ^2/NDF: 502674.3/23

All: 1731.165+/-0.238 χ^2/NDF: 918129.1/49

- sign 1729.514+/-0.335 χ^2/NDF: 415405.7/25



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 28.534+/-355.340 χ^2/NDF:11.6/7

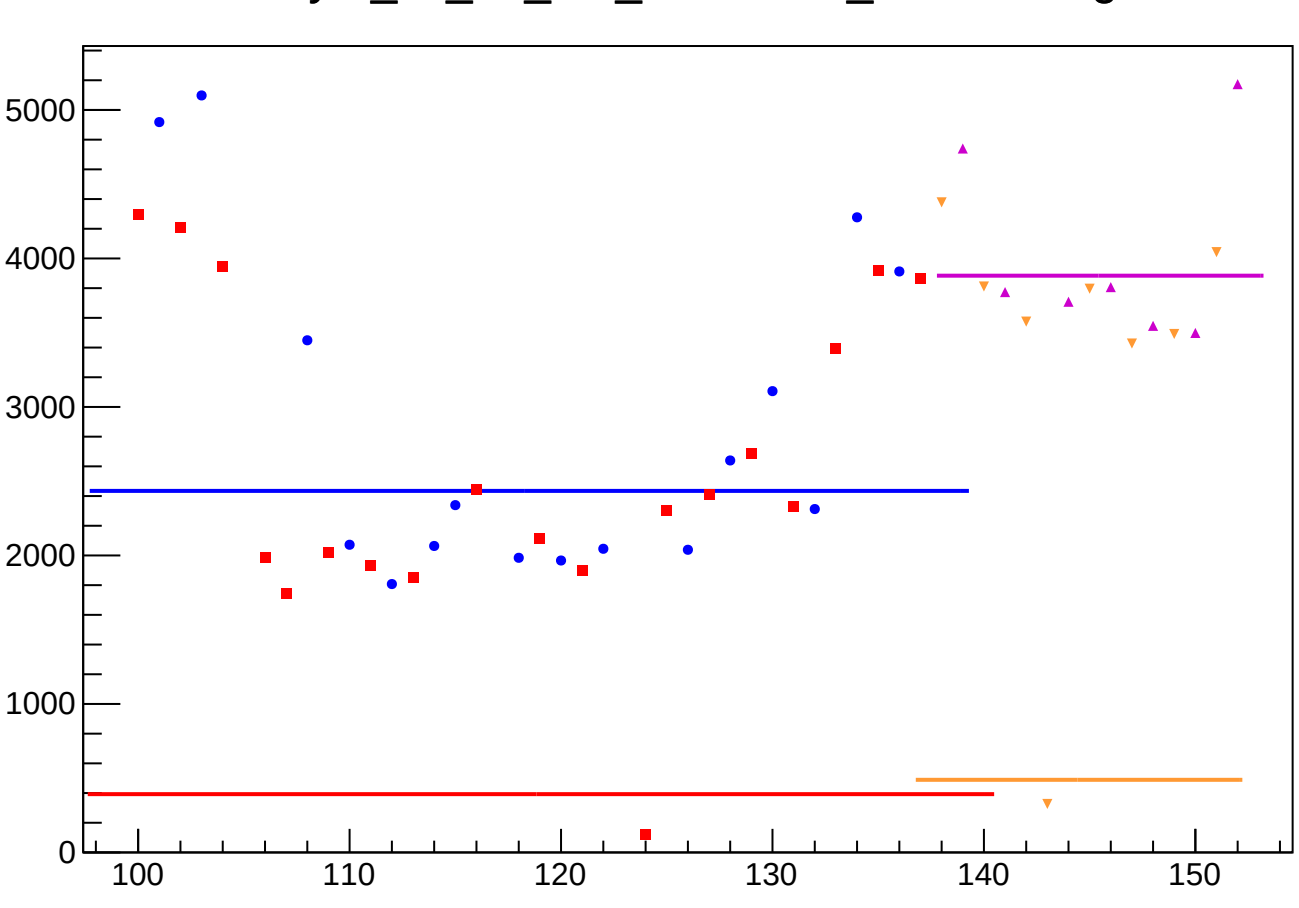
Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: 1215.591+/-1585.324 χ^2/NDF:2.0/6

\+ sign 61.410+/-333.284 χ^2/NDF: 27.0/23

All: 100.961+/-226.861 χ^2/NDF: 50.1/49

\- sign 135.106+/-309.675 χ^2/NDF: 23.1/25



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 489.185+/-0.251 χ^2/NDF:8461412.4/7

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

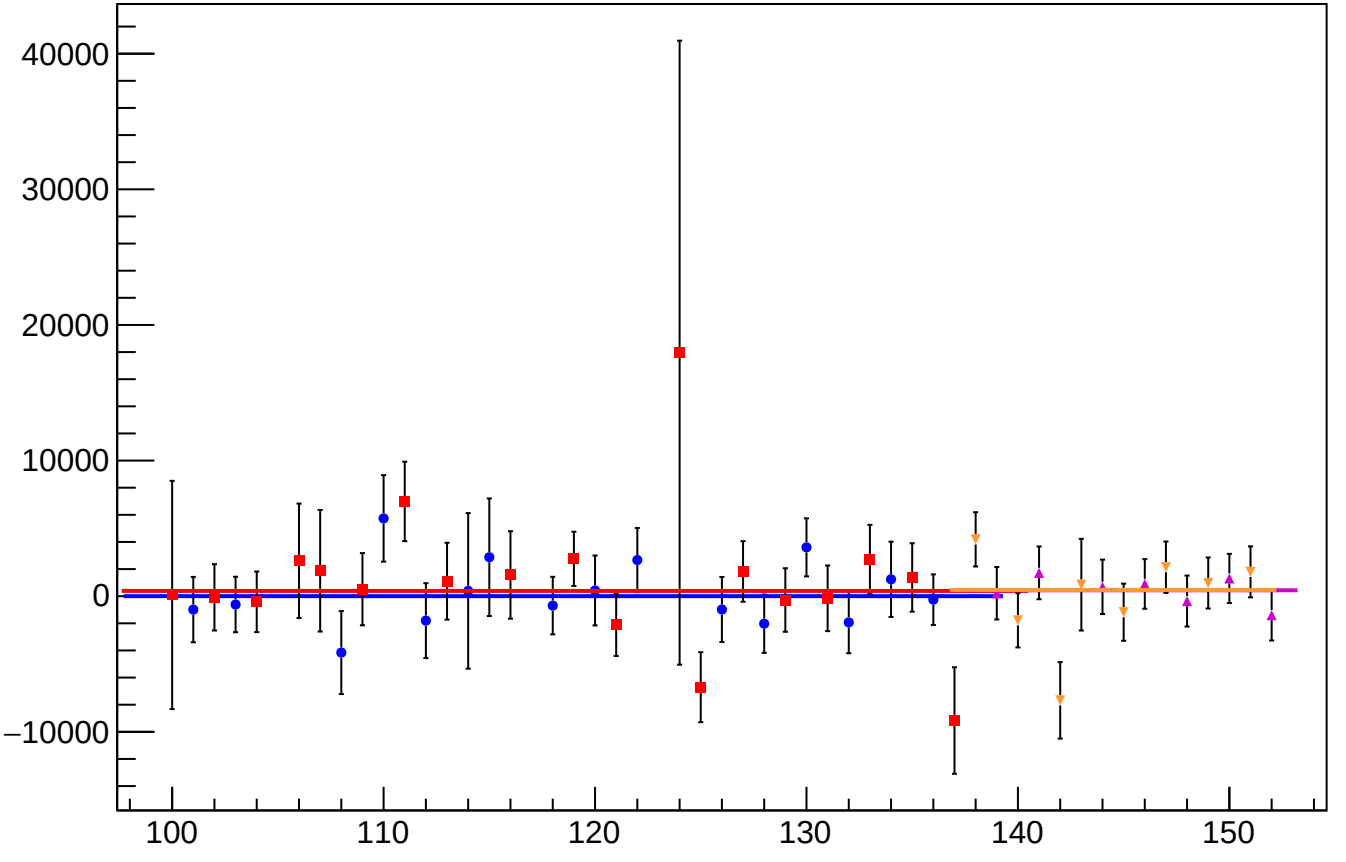
Left In: 3884.027+/-1.121 χ^2/NDF:205307.6/6

+ sign 723.216+/-0.236 χ^2/NDF: 17129536.8/23

All: 617.314+/-0.160 χ^2/NDF: 38449249.4/49

- sign 525.886+/-0.219 χ^2/NDF: 20943445.7/25

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 461.828+/-748.894 χ^2/NDF:15.0/7

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

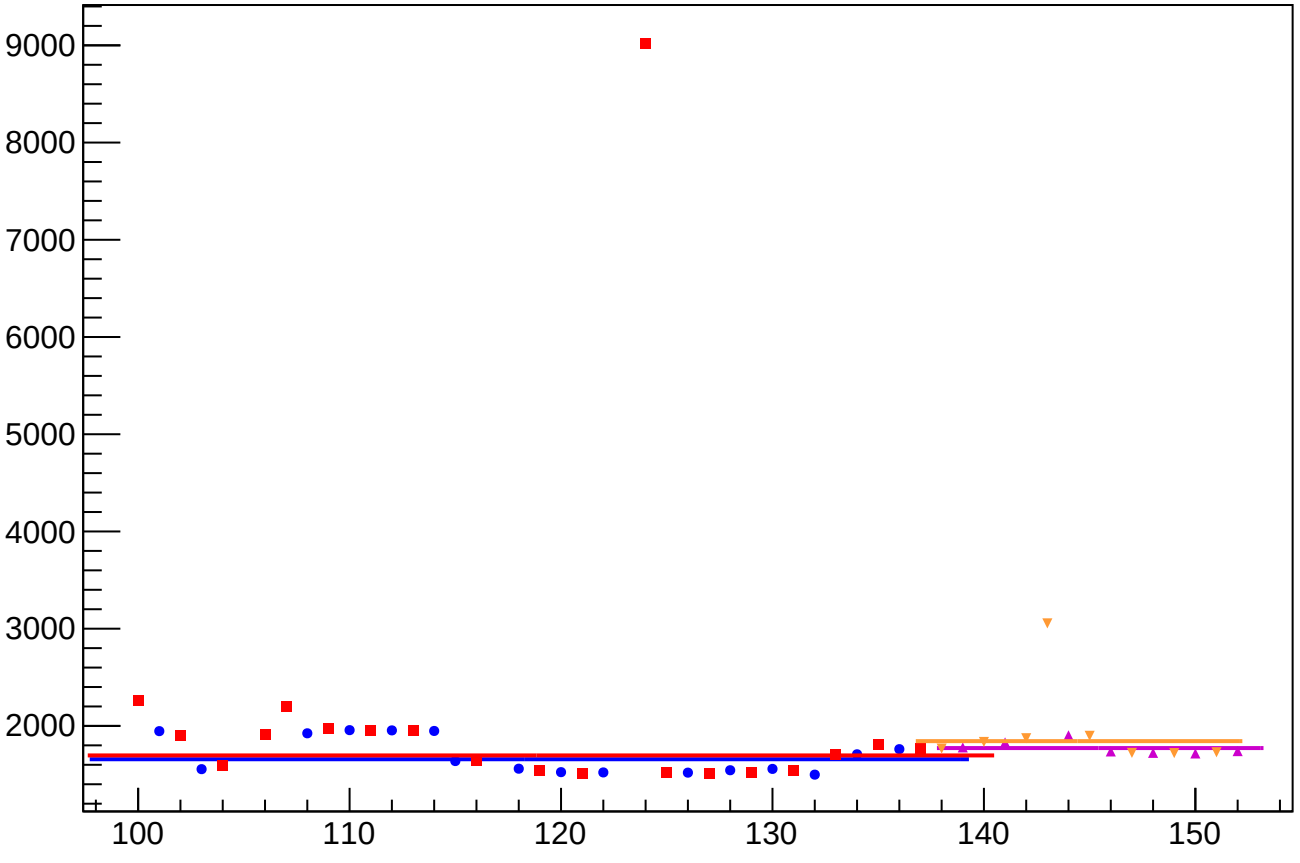
Left In: 436.373+/-715.657 χ^2/NDF:1.9/6

+ sign 190.325+/-477.531 χ^2/NDF: 27.7/23

All: 300.803+/-336.564 χ^2/NDF: 53.8/49

- sign 409.850+/-474.430 χ^2/NDF: 26.0/25

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1843.363+/-0.530 χ^2/NDF:285290.5/7

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

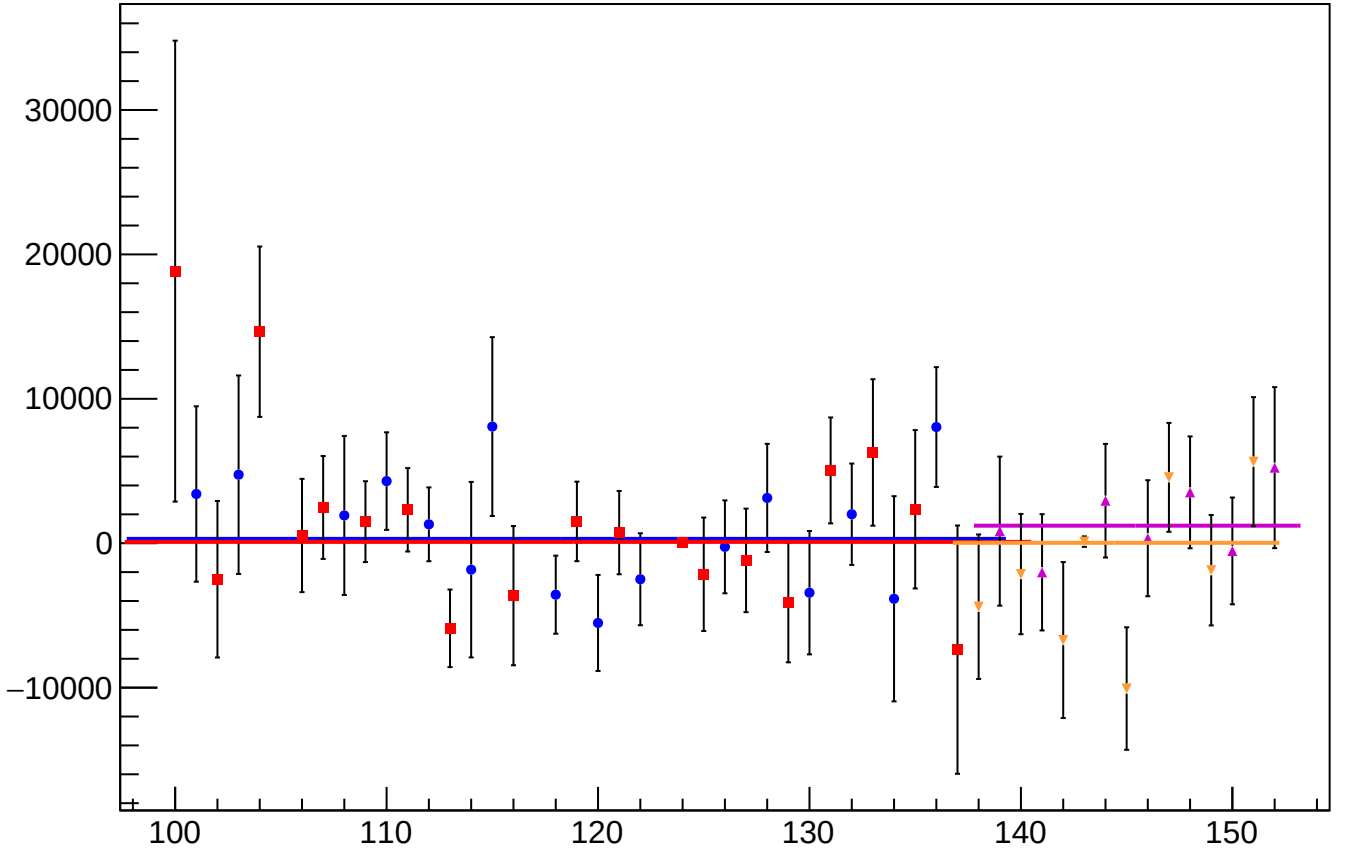
Left In: 1772.046+/-0.506 χ^2/NDF:14874.4/6

+ sign 1732.845+/-0.338 χ^2/NDF: 502674.3/23

All: 1731.165+/-0.238 χ^2/NDF: 918129.1/49

- sign 1729.514+/-0.335 χ^2/NDF: 415405.7/25

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 28.534+/-355.340 χ^2/NDF:11.6/7

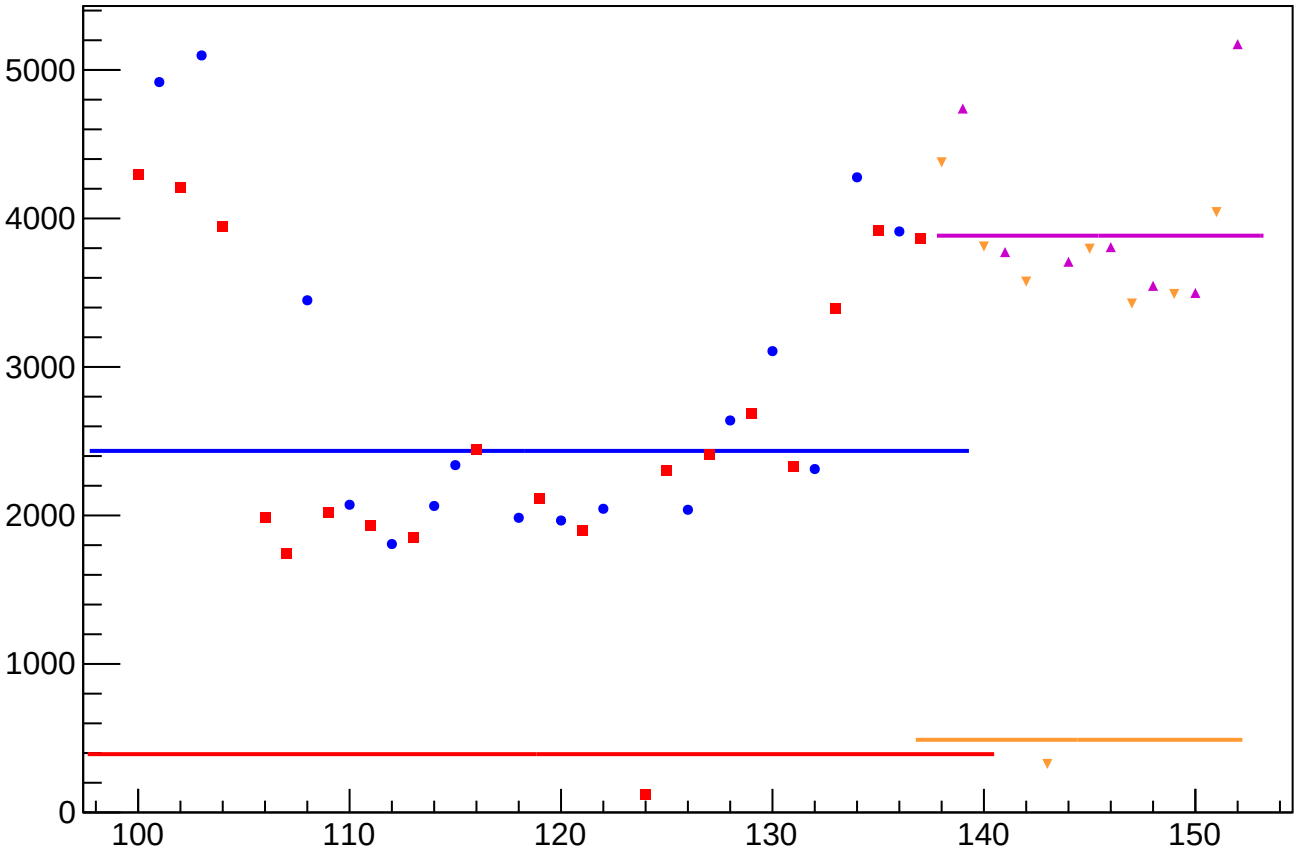
Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: 1215.591+/-1585.324 χ^2/NDF:2.0/6

+ sign 61.410+/-333.284 χ^2/NDF: 27.0/23

All: 100.961+/-226.861 χ^2/NDF: 50.1/49

- sign 135.106+/-309.675 χ^2/NDF: 23.1/25



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 489.185+/-0.251 χ^2/NDF:8461412.4/7

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

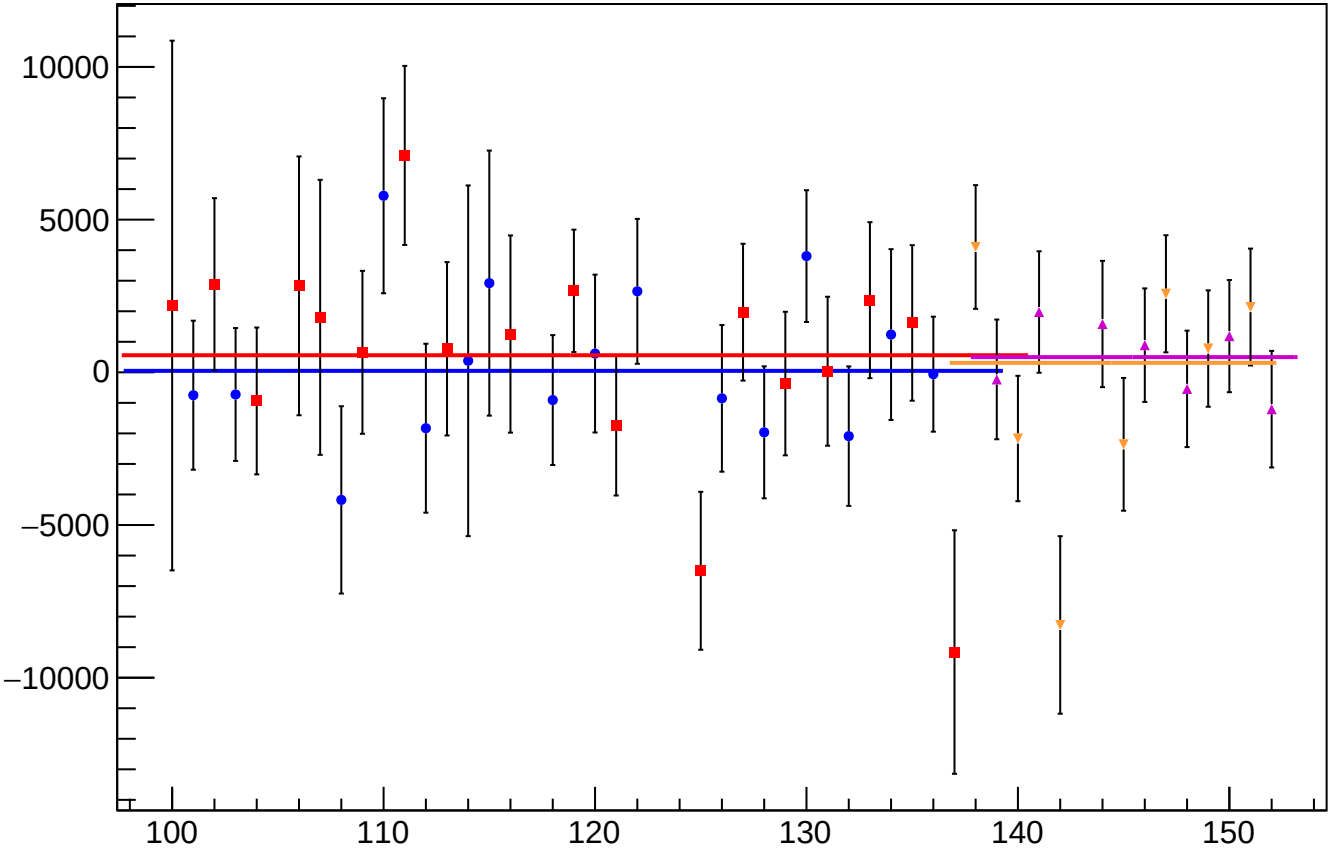
Left In: 3884.027+/-1.121 χ^2/NDF:205307.6/6

+ sign 723.216+/-0.236 χ^2/NDF: 17129536.8/23

All: 617.314+/-0.160 χ^2/NDF: 38449249.4/49

- sign 525.886+/-0.219 χ^2/NDF: 20943445.7/25

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 309.802+/-782.926 χ^2/NDF:17.6/6

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

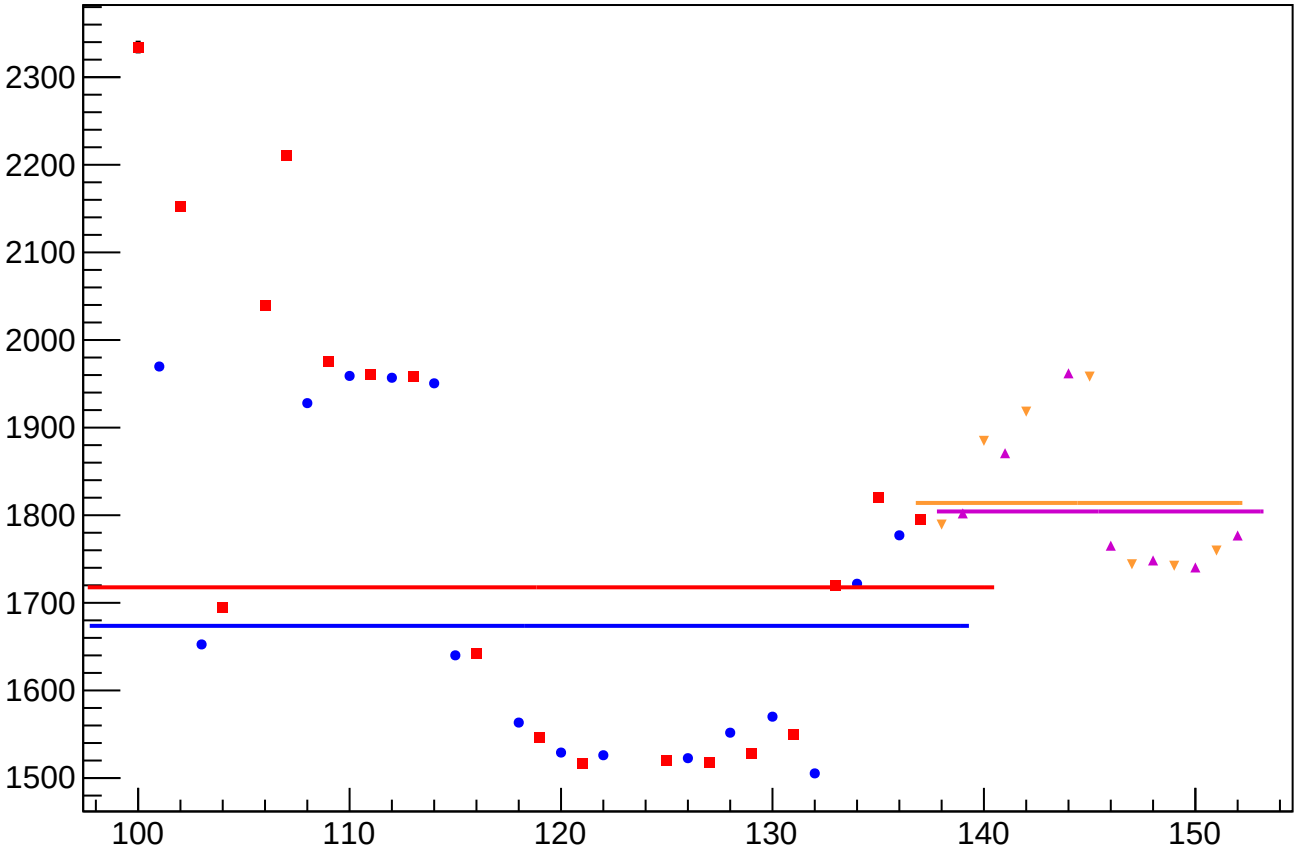
Left In: 498.337+/-728.856 χ^2/NDF:2.2/6

+ sign 150.331+/-489.000 χ^2/NDF: 30.4/22

All: 343.807+/-343.686 χ^2/NDF: 56.3/47

- sign 532.679+/-483.145 χ^2/NDF: 25.5/24

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1814.031+/-0.554 χ^2/NDF:21162.6/6

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

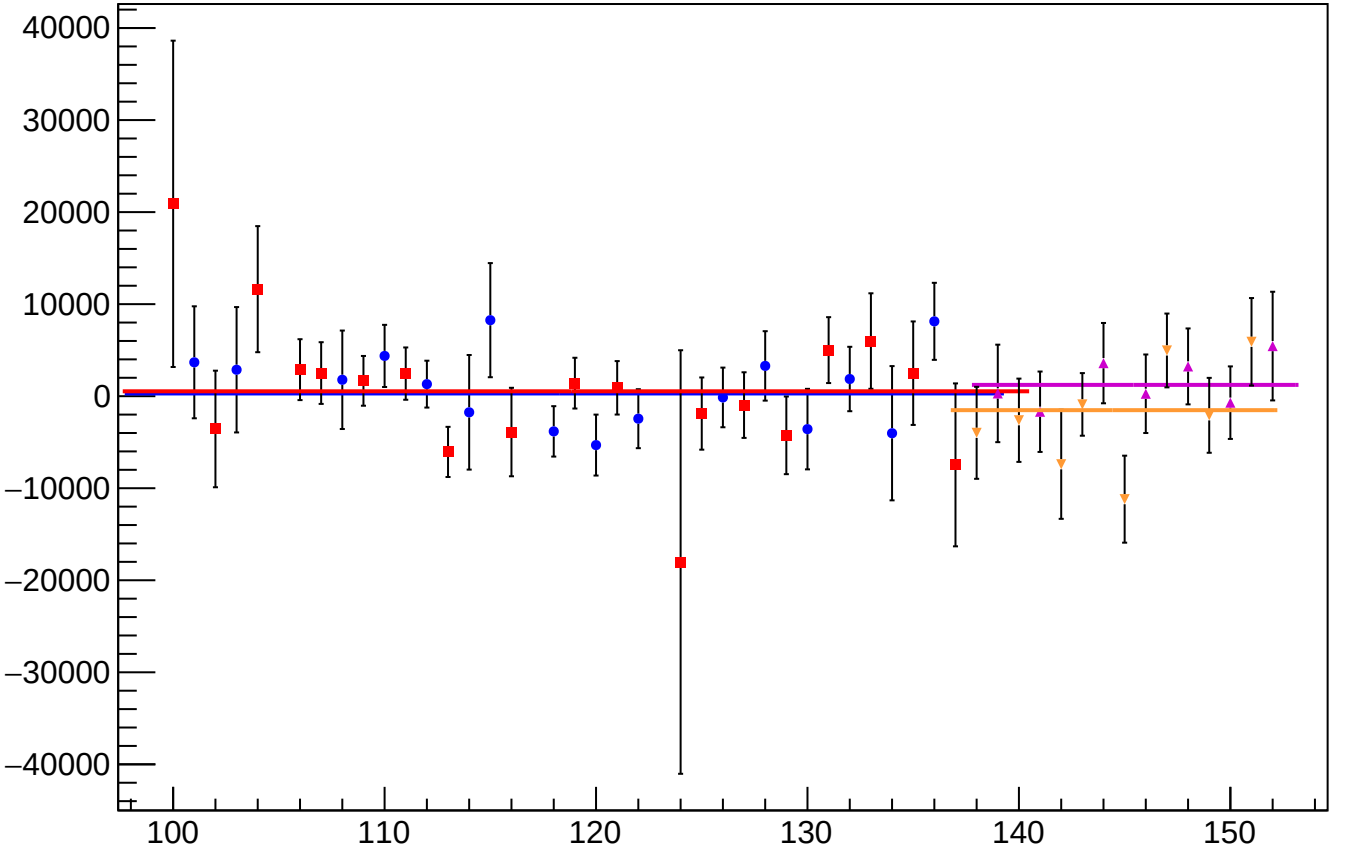
Left In: 1804.299+/-0.515 χ^2/NDF:19304.0/6

+ sign 1728.460+/-0.346 χ^2/NDF: 201207.8/22

All: 1742.242+/-0.243 χ^2/NDF: 467144.5/47

- sign 1755.661+/-0.341 χ^2/NDF: 262801.1/24

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -1518.691+/-1551.568 χ^2/NDF:10.6/7

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

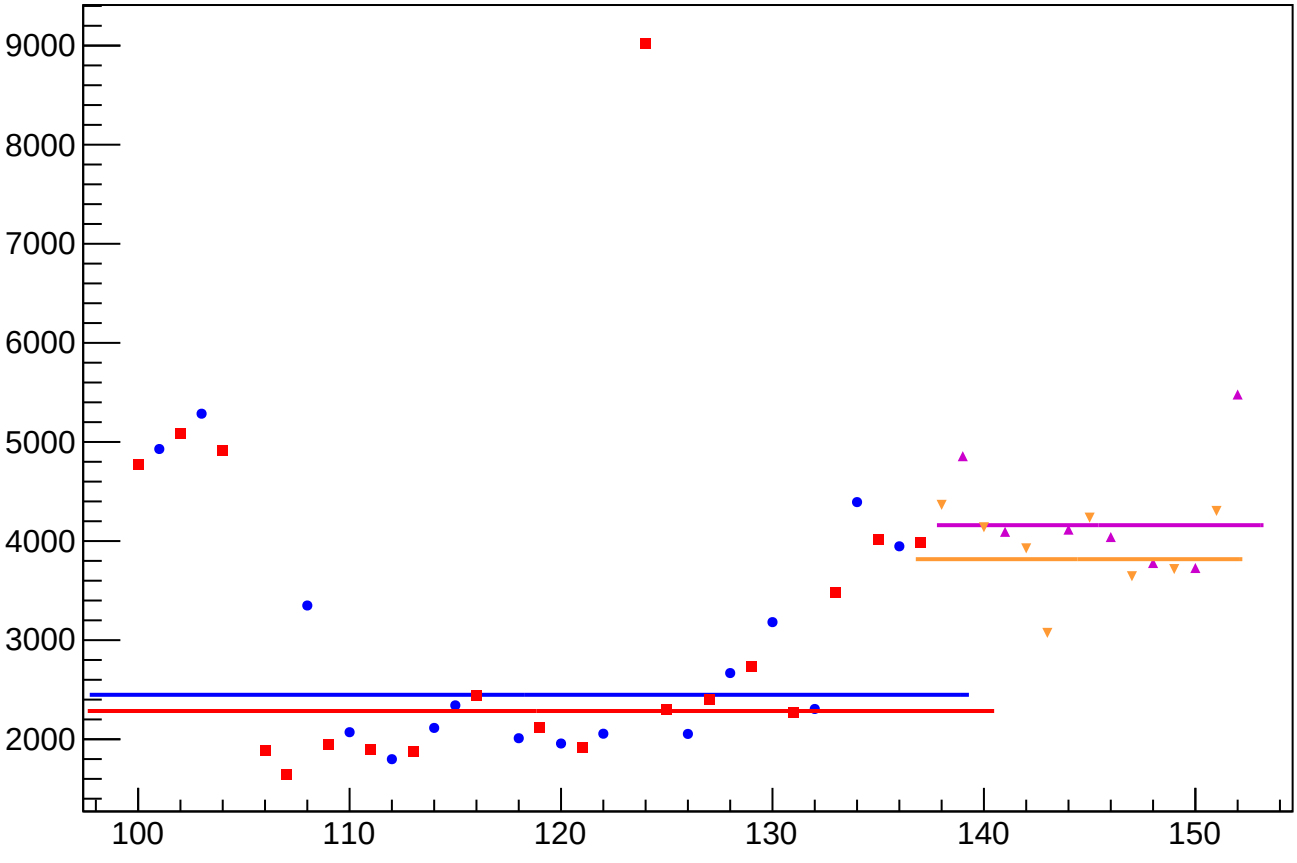
Left In: 1227.077+/-1696.631 χ^2/NDF:1.8/6

+ sign -209.551+/-819.242 χ^2/NDF: 26.8/23

All: 254.600+/-566.401 χ^2/NDF: 48.2/49

- sign 679.618+/-783.946 χ^2/NDF: 20.7/25

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3817.230+/-1.097 χ^2/NDF:172141.6/7

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

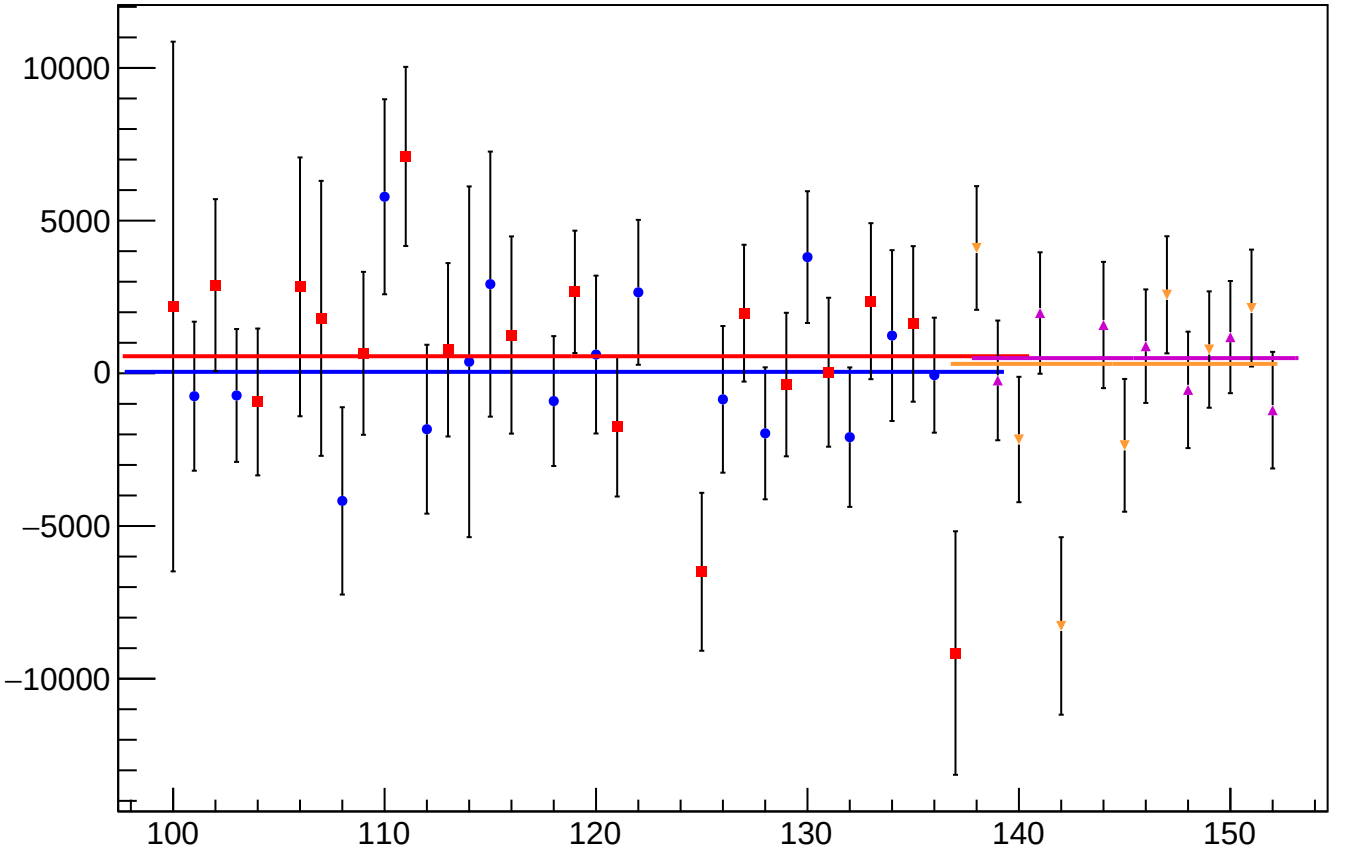
Left In: 4160.316+/-1.200 χ^2/NDF:177788.2/6

+ sign 2830.163+/-0.579 χ^2/NDF: 2812059.1/23

All: 2754.616+/-0.401 χ^2/NDF: 6492871.0/49

- sign 2685.439+/-0.554 χ^2/NDF: 3648230.8/25

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 309.797+/-782.927 χ^2/NDF:17.6/6

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

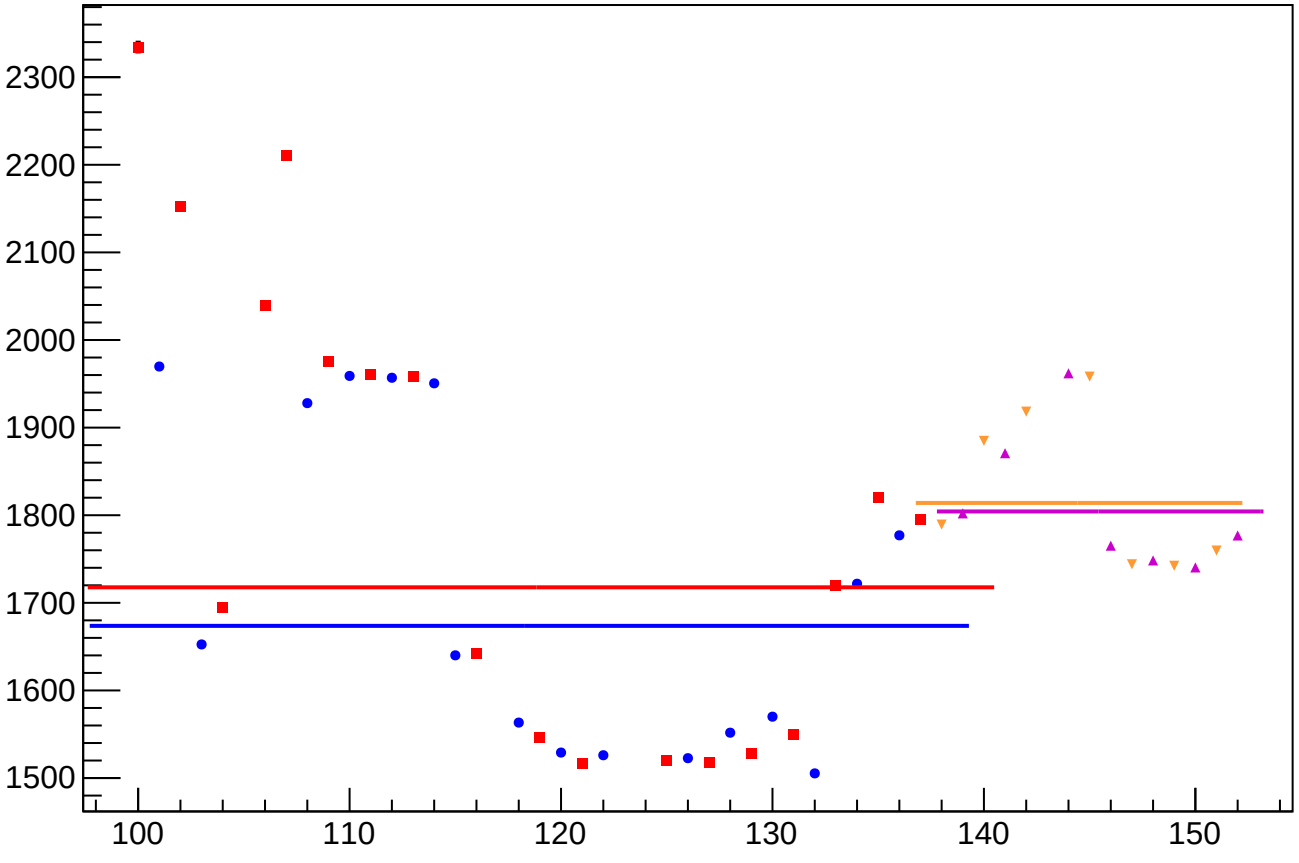
Left In: 498.339+/-728.857 χ^2/NDF:2.2/6

+ sign 150.327+/-489.000 χ^2/NDF: 30.4/22

All: 343.807+/-343.686 χ^2/NDF: 56.3/47

- sign 532.682+/-483.145 χ^2/NDF: 25.5/24

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1814.031+/-0.554 χ^2/NDF:21163.1/6

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

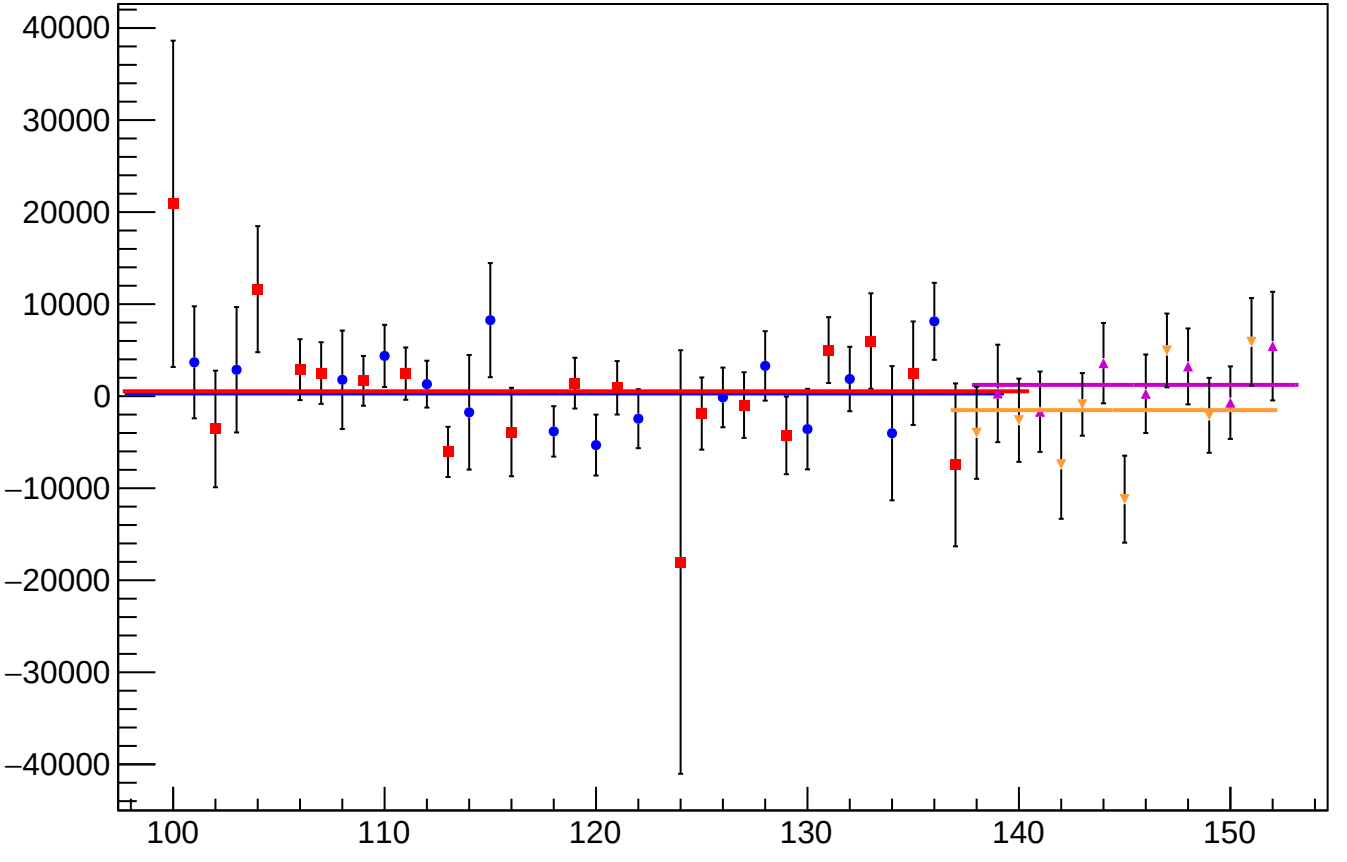
Left In: 1804.300+/-0.515 χ^2/NDF:19304.2/6

+ sign 1728.460+/-0.346 χ^2/NDF: 201208.8/22

All: 1742.243+/-0.243 χ^2/NDF: 467145.3/47

- sign 1755.662+/-0.341 χ^2/NDF: 262801.0/24

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -1518.687+/-1551.570 χ^2/NDF:10.6/7

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

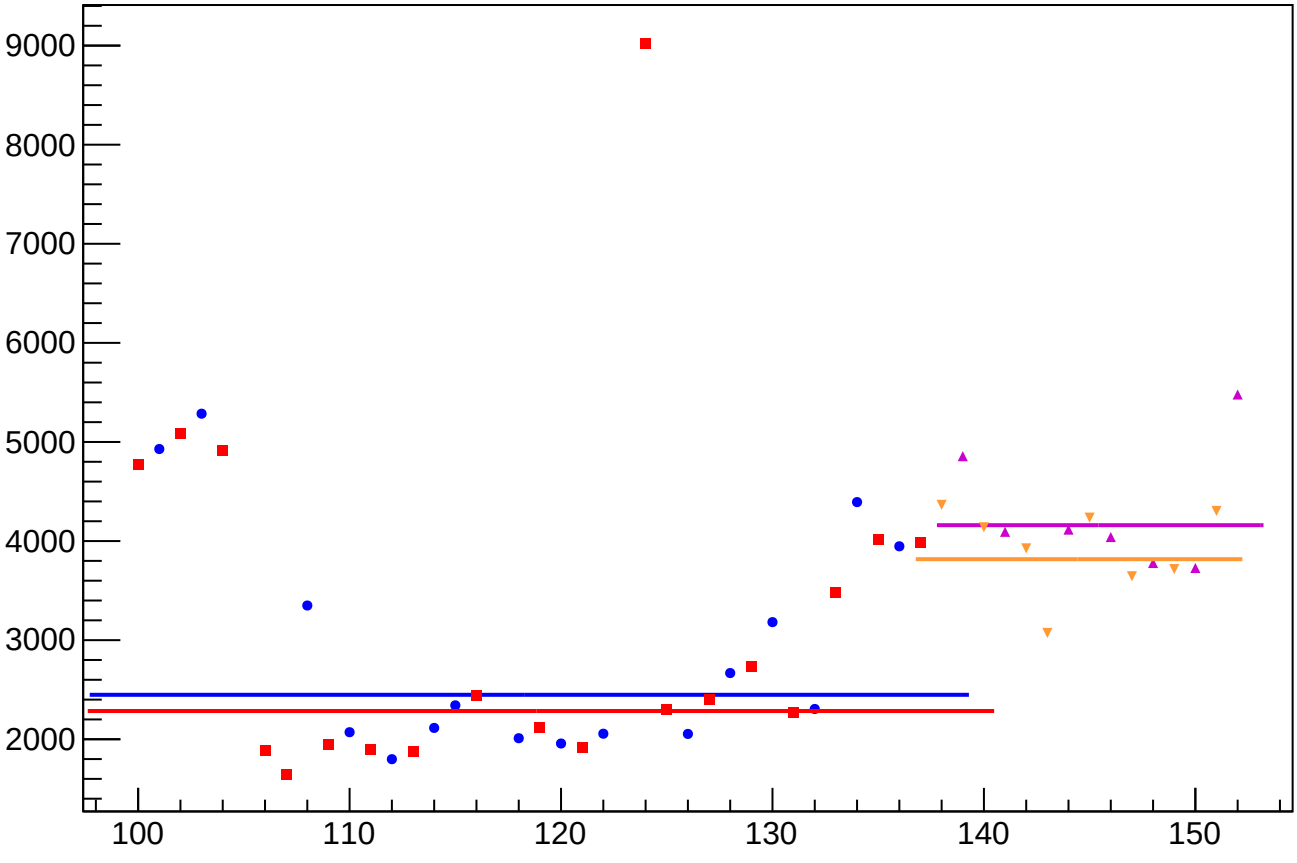
Left In: 1227.079+/-1696.634 χ^2/NDF:1.8/6

+ sign -209.550+/-819.239 χ^2/NDF: 26.8/23

All: 254.600+/-566.399 χ^2/NDF: 48.2/49

- sign 679.619+/-783.944 χ^2/NDF: 20.7/25

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 3817.234+/-1.097 χ^2/NDF:172144.5/7

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

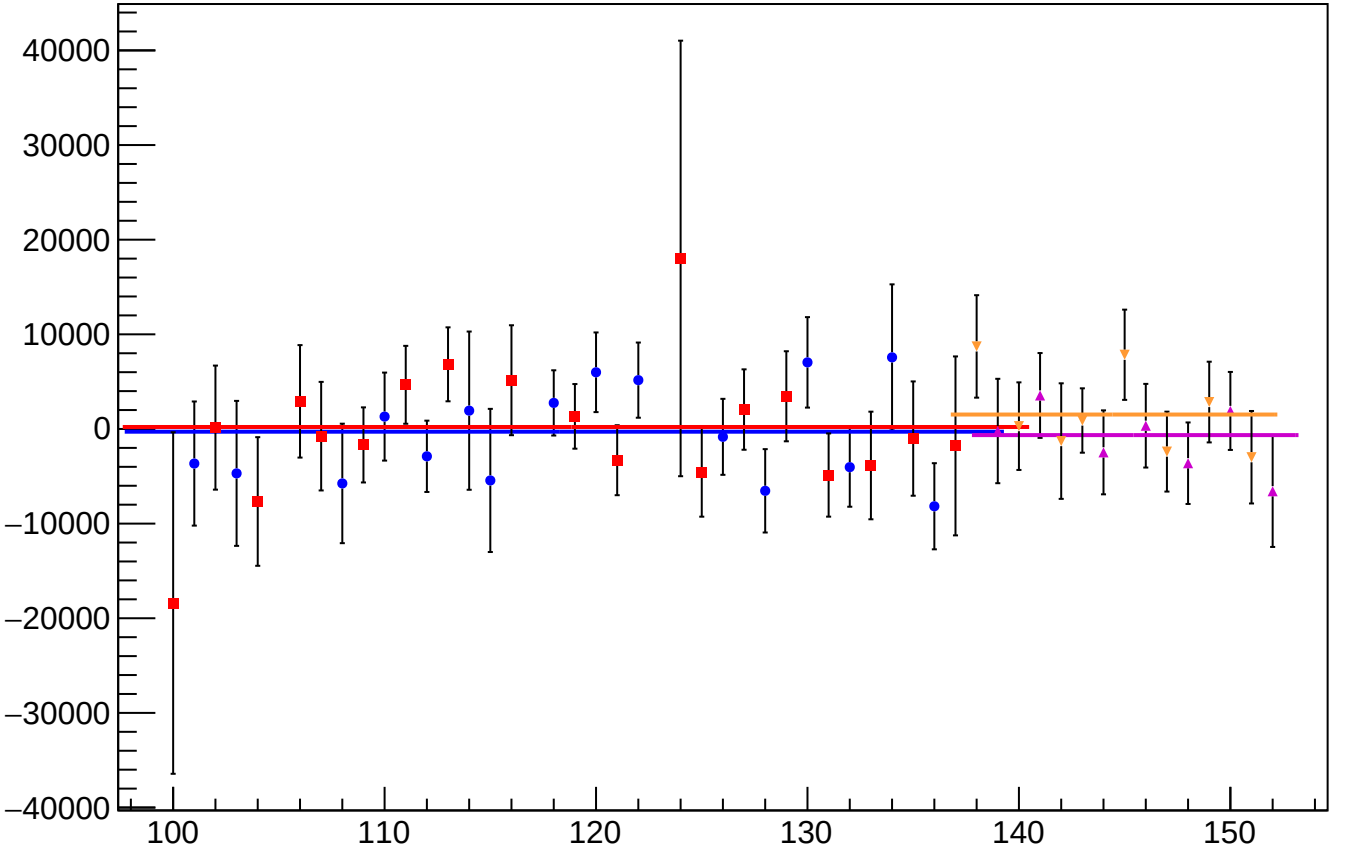
Left In: 4160.321+/-1.200 χ^2/NDF:177790.4/6

+ sign 2830.154+/-0.579 χ^2/NDF: 2812099.2/23

All: 2754.607+/-0.401 χ^2/NDF: 6492947.8/49

- sign 2685.430+/-0.554 χ^2/NDF: 3648267.7/25

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 1525.199+/-1599.091 χ^2/NDF:5.6/7

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

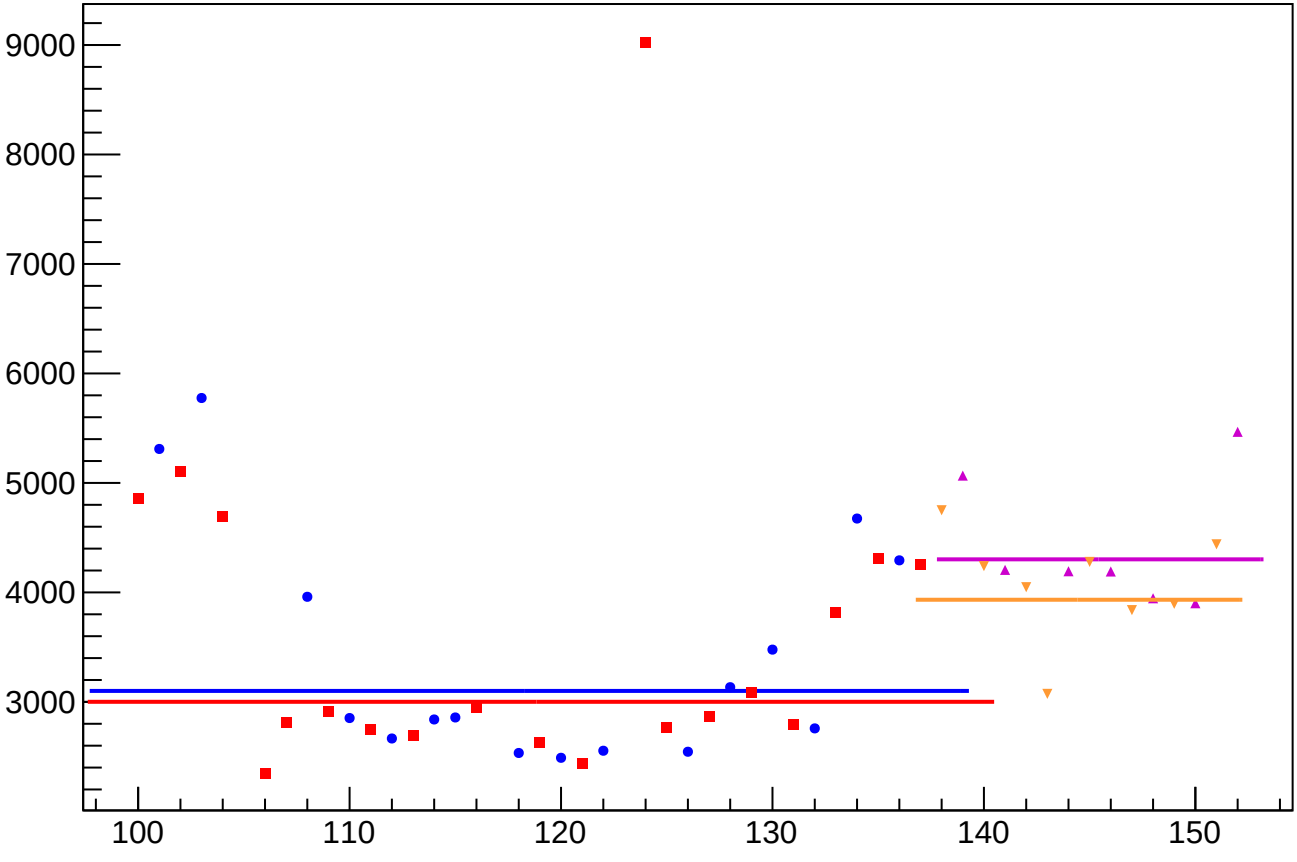
Left In: -647.735+/-1750.500 χ^2/NDF:3.0/6

+ sign 363.836+/-958.440 χ^2/NDF: 23.0/23

All: 157.906+/-679.440 χ^2/NDF: 39.1/49

- sign -50.129+/-963.326 χ^2/NDF: 16.0/25

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 3932.949+/-1.131 χ^2/NDF:216009.3/7

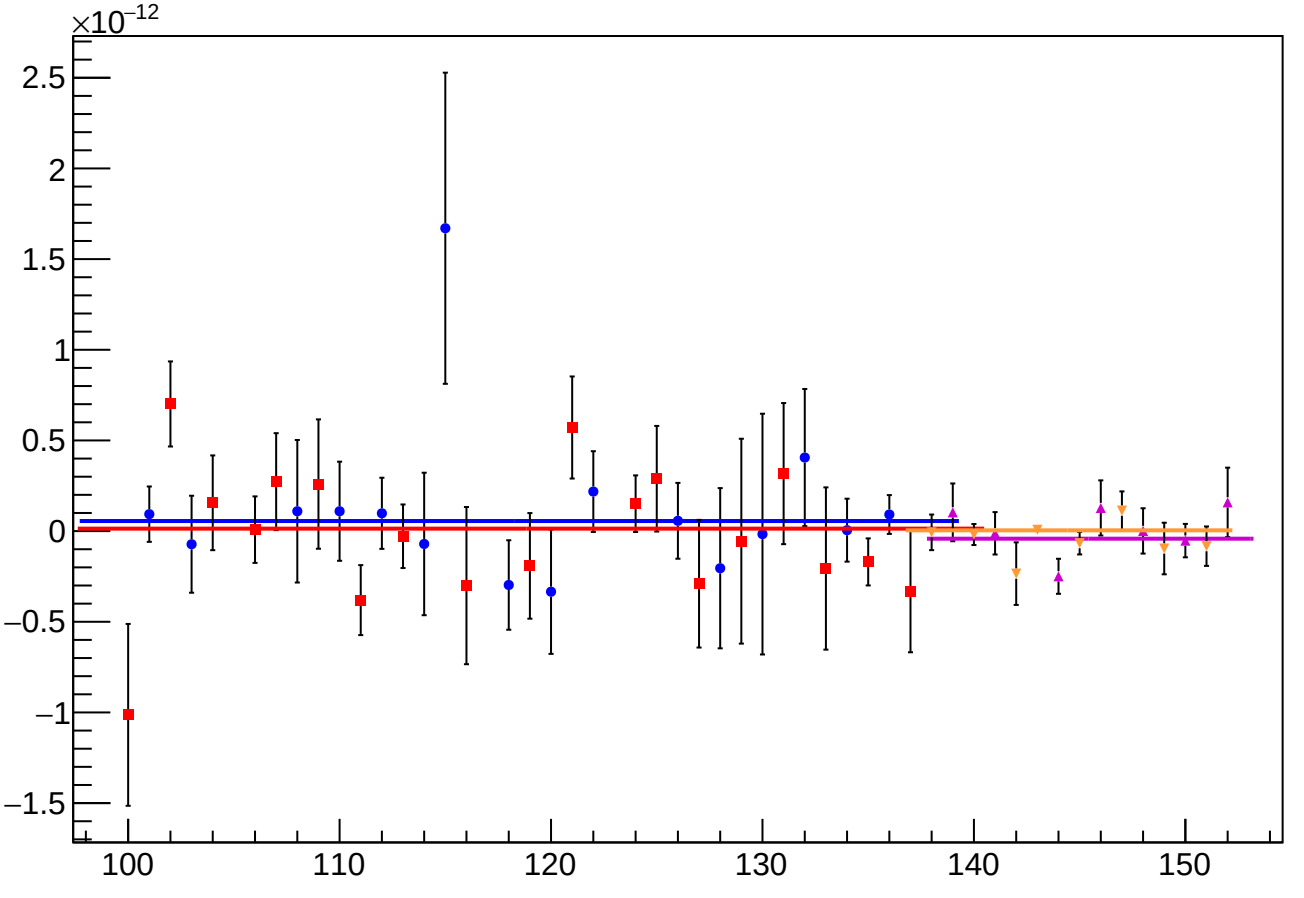
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4301.989+/-1.238 χ^2/NDF:152721.6/6

+ sign 3399.314+/-0.678 χ^2/NDF: 1527276.3/23

All: 3393.329+/-0.478 χ^2/NDF: 3263520.0/49

- sign 3387.398+/-0.675 χ^2/NDF: 1736088.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/7

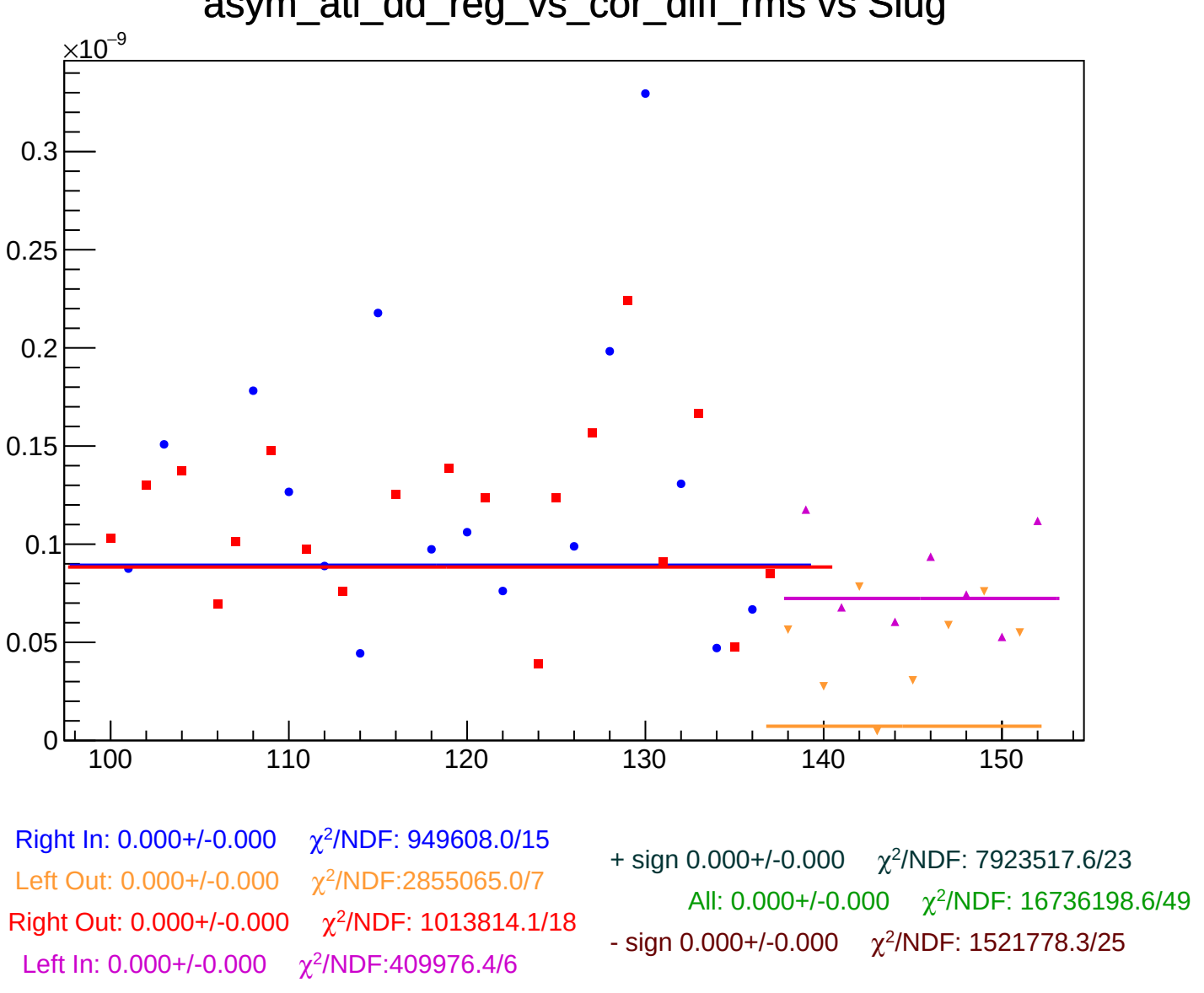
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/6

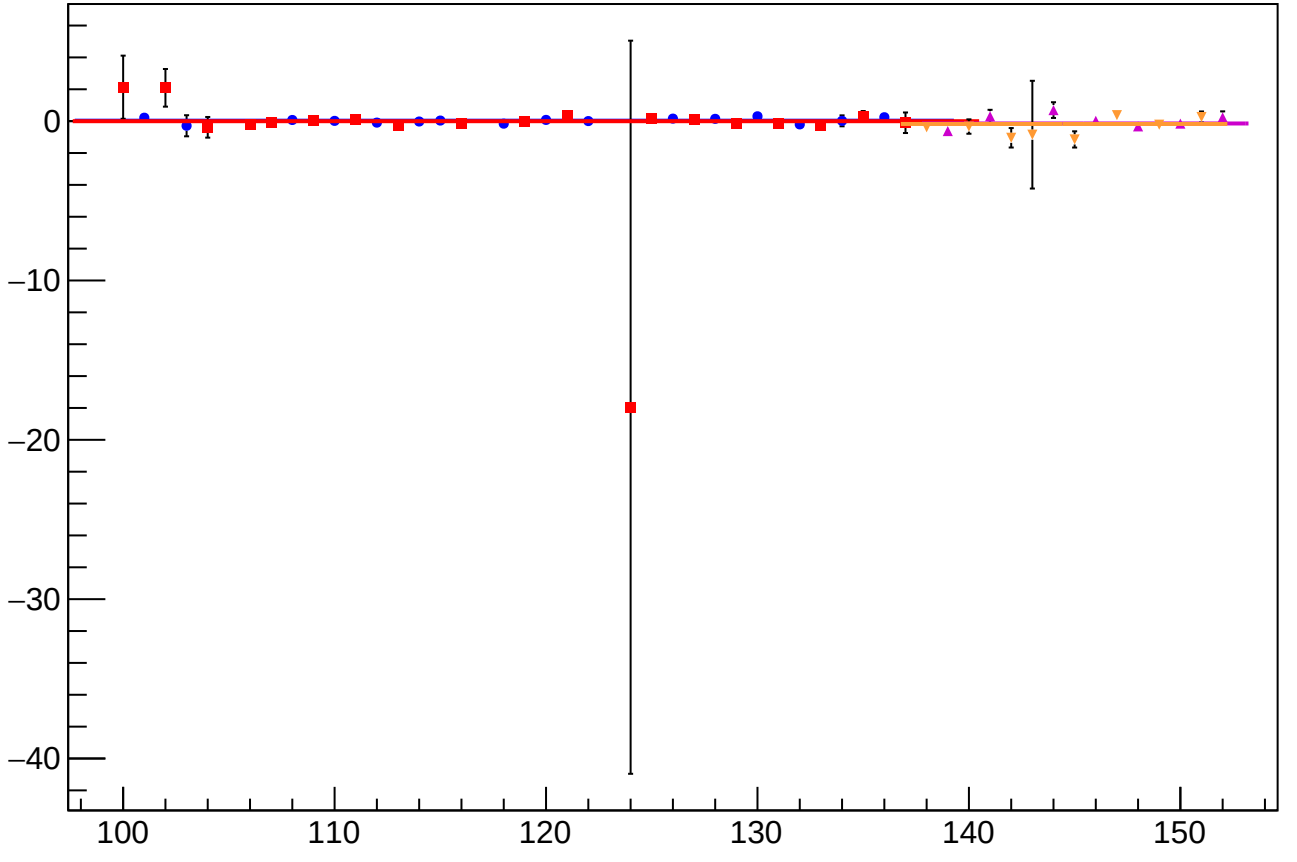
+ sign 0.000+/-0.000 χ^2/NDF: 15.8/23

All: 0.000+/-0.000 χ^2/NDF: 54.9/49

- sign -0.000+/-0.000 χ^2/NDF: 38.6/25


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 949608.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2855065.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:409976.4/6
+ sign 0.000+/-0.000 χ²/NDF: 7923517.6/23
All: 0.000+/-0.000 χ²/NDF: 16736198.6/49
- sign 0.000+/-0.000 χ²/NDF: 1521778.3/25

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.177+/-0.136 χ^2/NDF:11.4/7

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

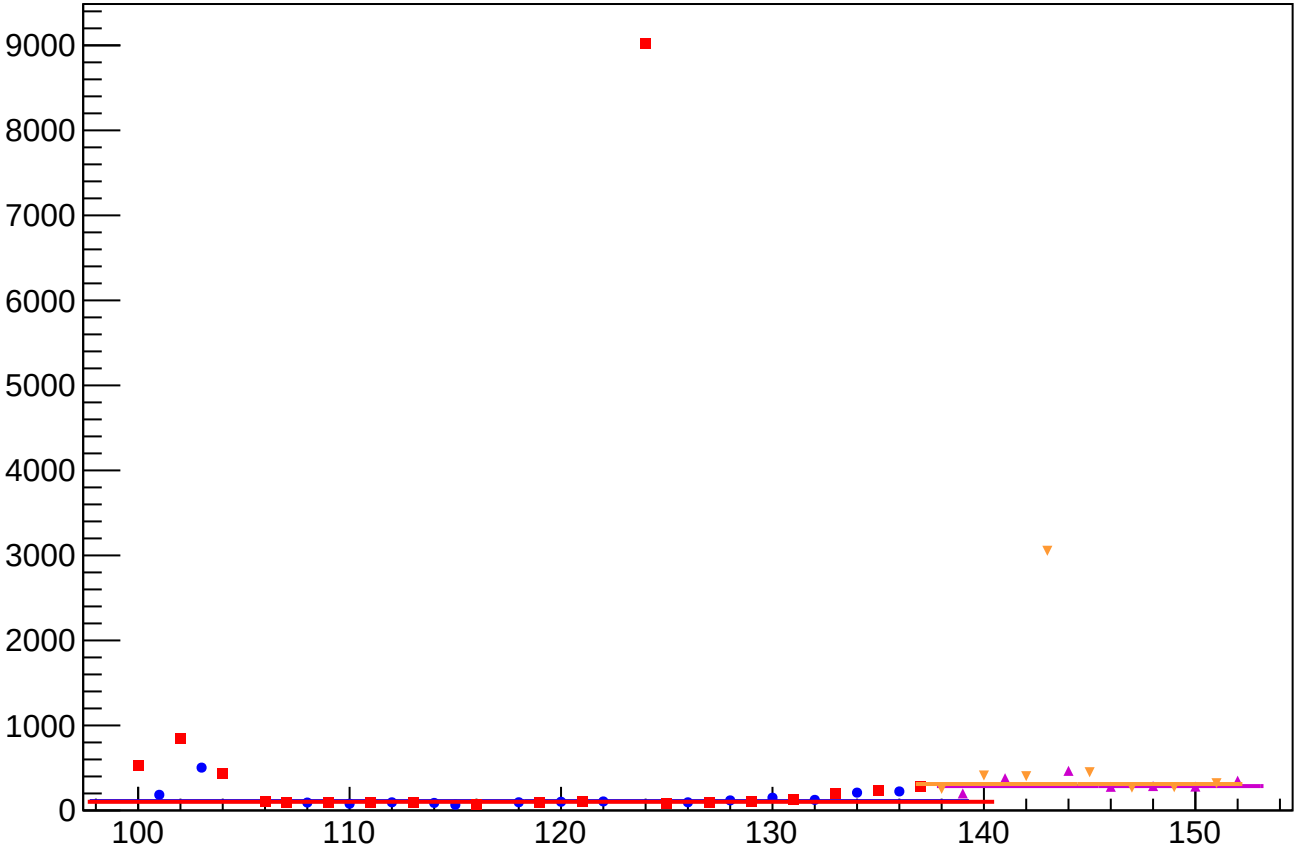
Left In: -0.147+/-0.121 χ^2/NDF:10.0/6

+ sign 0.008+/-0.043 χ^2/NDF: 22.3/23

All: -0.007+/-0.030 χ^2/NDF: 56.2/49

- sign -0.020+/-0.041 χ^2/NDF: 33.7/25

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 310.948+/-0.096 χ^2/NDF:1760765.5/7

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

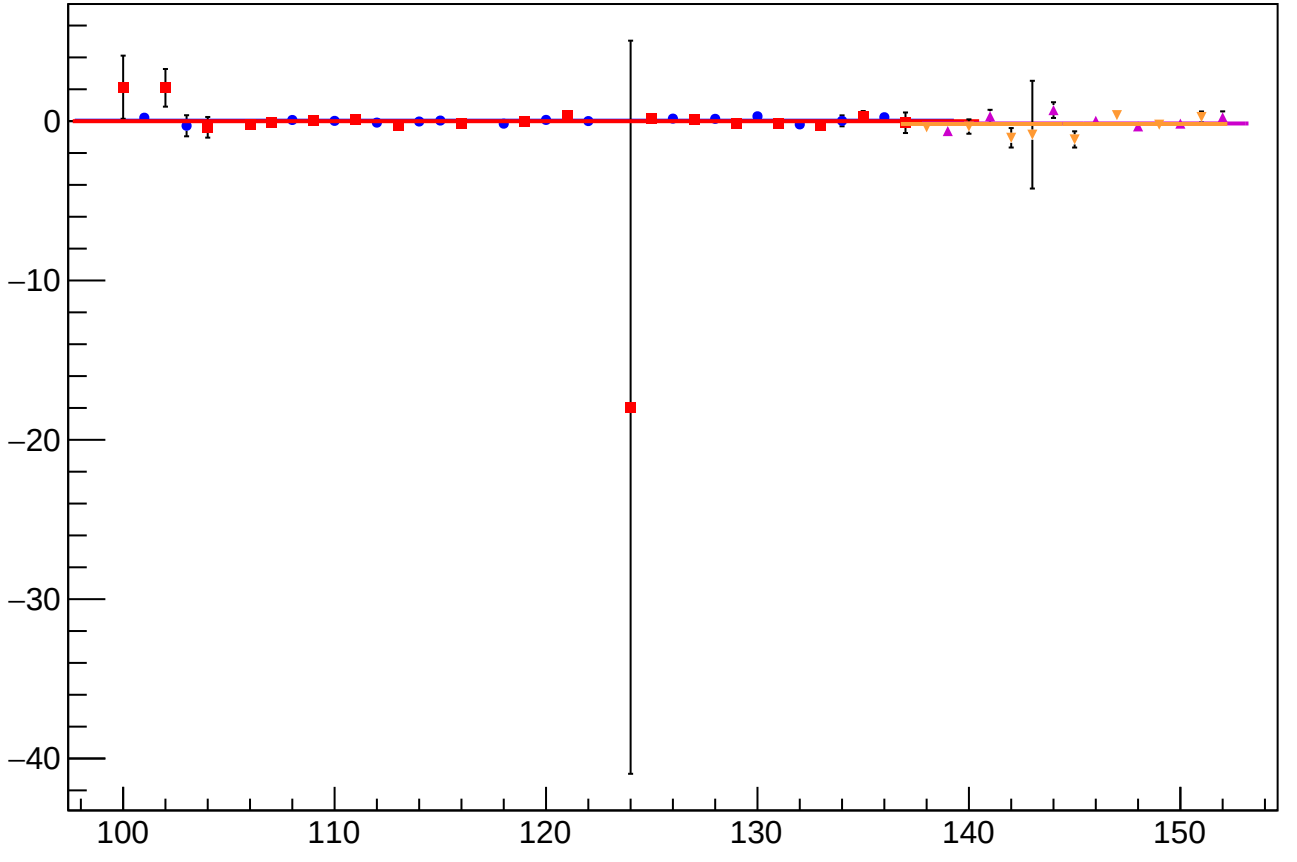
Left In: 286.652+/-0.086 χ^2/NDF:704243.4/6

+ sign 130.015+/-0.030 χ^2/NDF: 7613576.0/23

All: 126.260+/-0.021 χ^2/NDF: 15066628.9/49

- sign 122.871+/-0.029 χ^2/NDF: 7424017.8/25

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: -0.177+/-0.136 χ^2/NDF:11.4/7

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

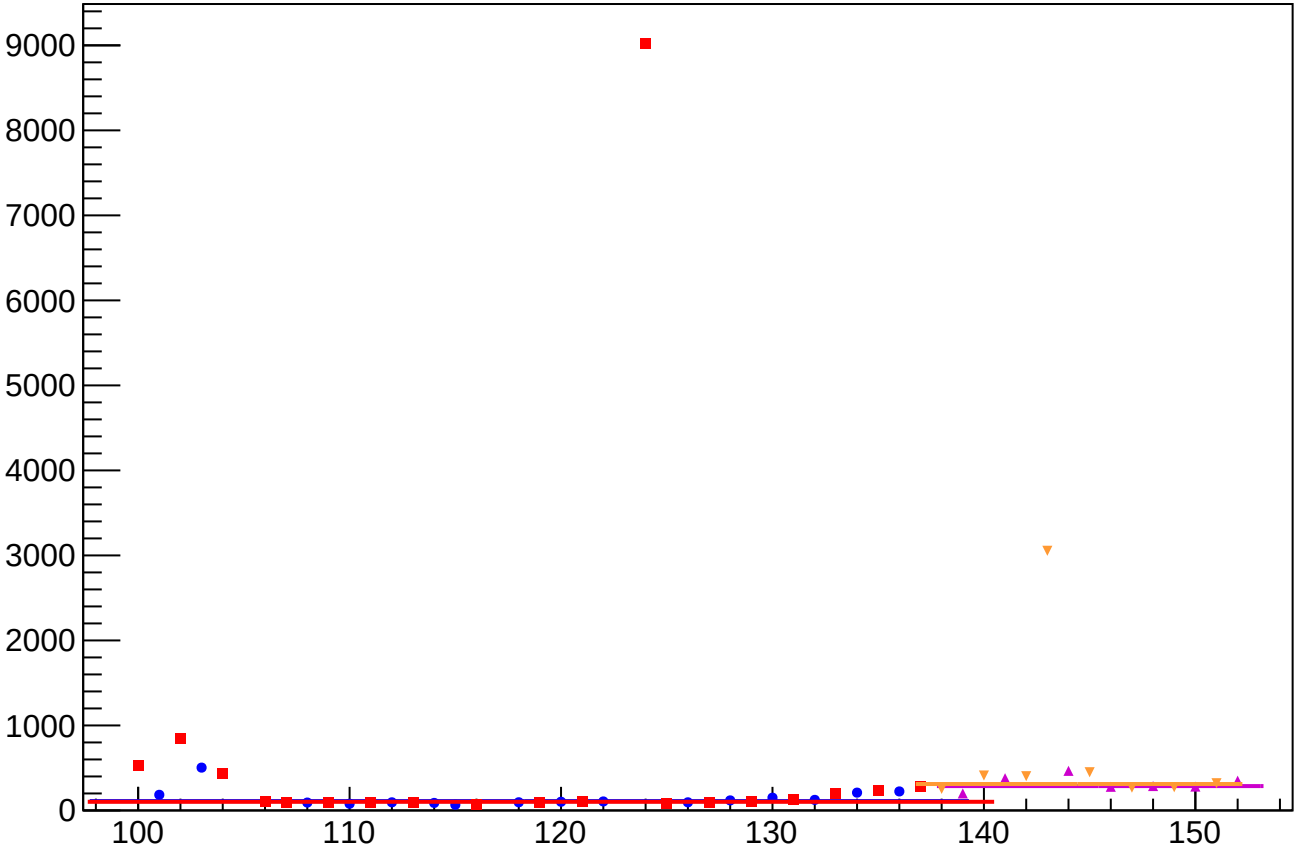
Left In: -0.147+/-0.121 χ^2/NDF:10.0/6

+ sign 0.008+/-0.043 χ^2/NDF: 22.3/23

All: -0.007+/-0.030 χ^2/NDF: 56.2/49

- sign -0.020+/-0.041 χ^2/NDF: 33.7/25

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: 310.948+/-0.096 χ^2/NDF:1760765.5/7

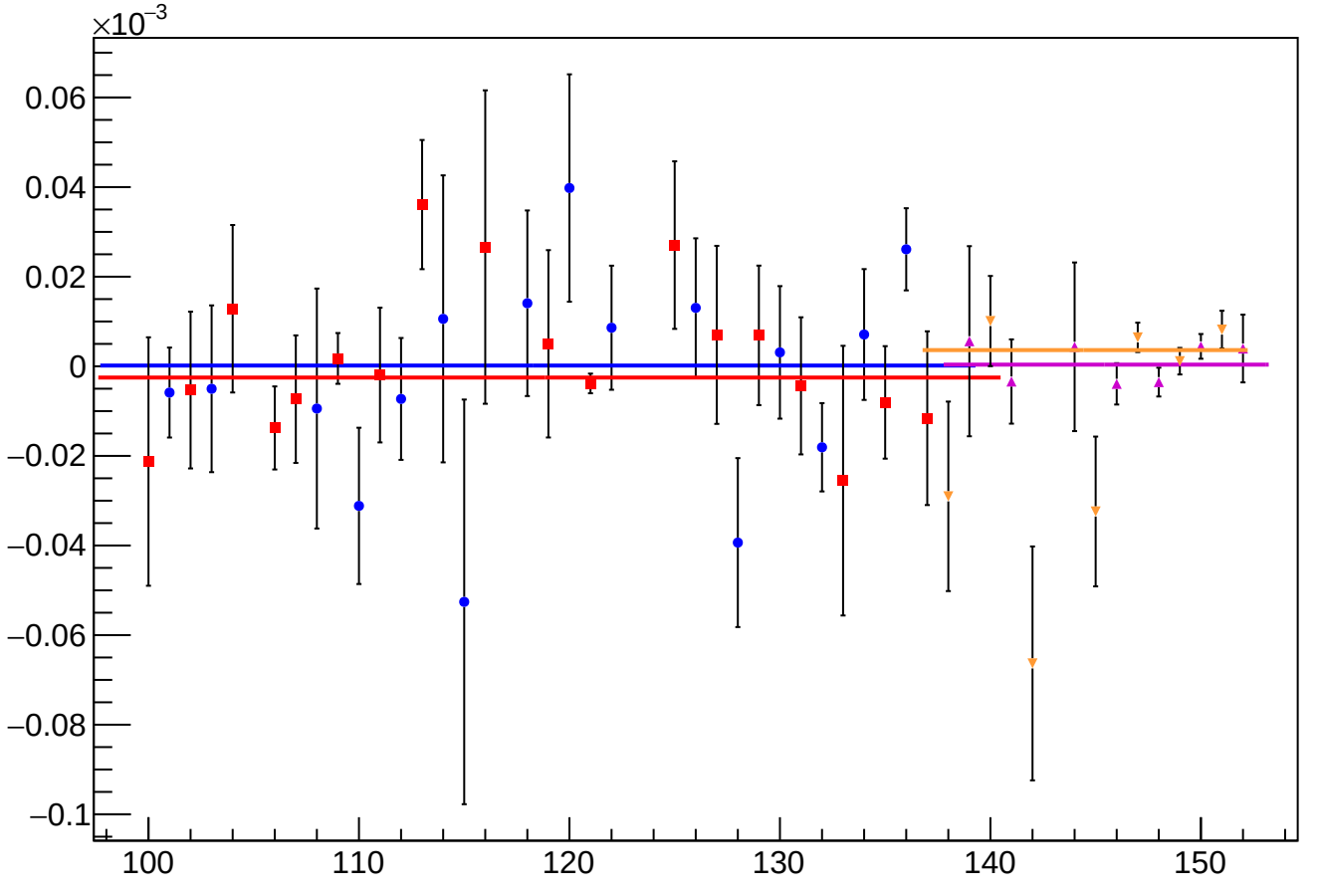
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 286.652+/-0.086 χ^2/NDF:704243.4/6

+ sign 130.015+/-0.030 χ^2/NDF: 7613576.0/23

All: 126.260+/-0.021 χ^2/NDF: 15066628.9/49

- sign 122.871+/-0.029 χ^2/NDF: 7424017.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

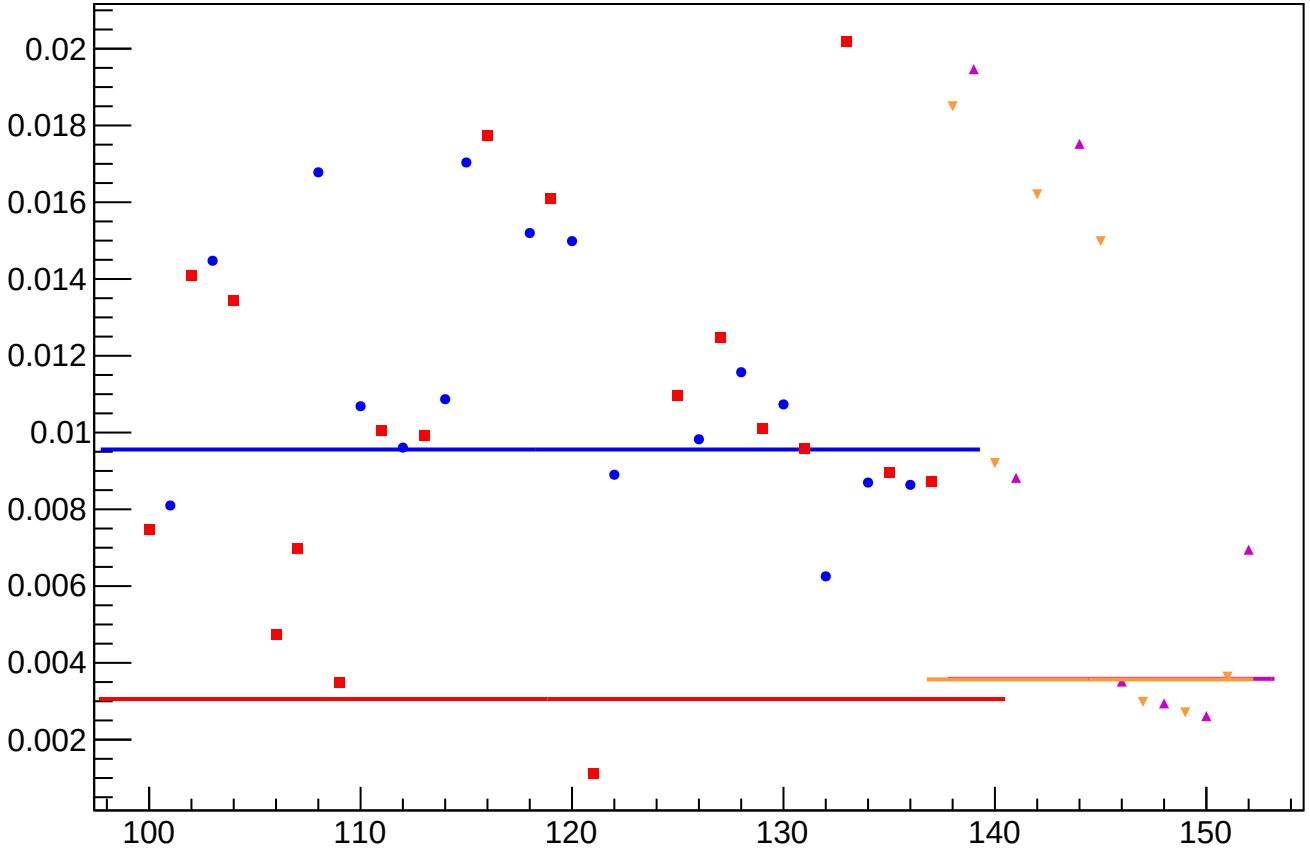
Left In: 0.000+/-0.000 χ^2/NDF:5.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/22

All: 0.000+/-0.000 χ^2/NDF: 69.1/47

- sign -0.000+/-0.000 χ^2/NDF: 22.0/24

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:3257913.9/6

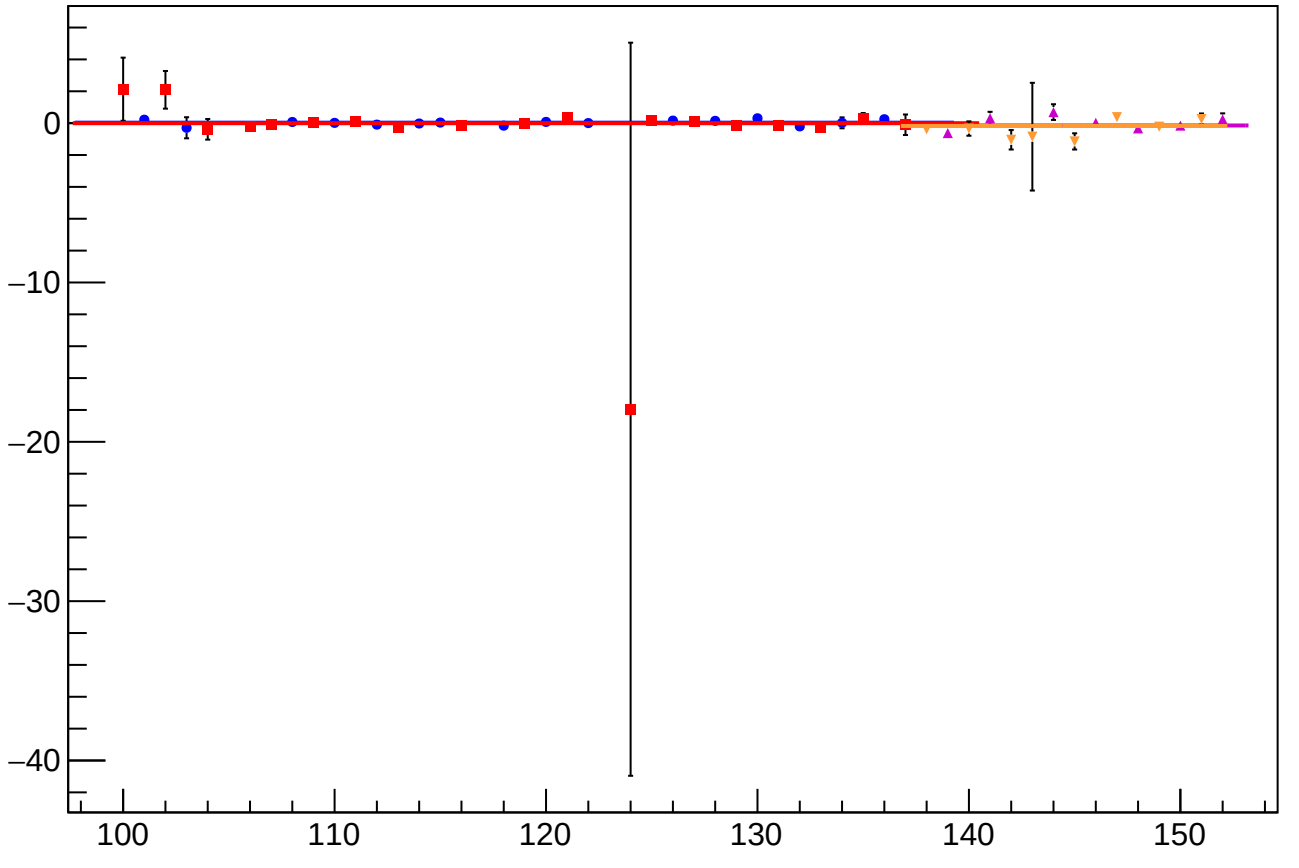
Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:3560834.4/6

+ sign 0.005+/-0.000 χ^2/NDF: 8286853.9/22

All: 0.004+/-0.000 χ^2/NDF: 21013165.3/47

- sign 0.003+/-0.000 χ^2/NDF: 11767192.8/24



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.177+/-0.136 χ^2/NDF:11.4/7

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

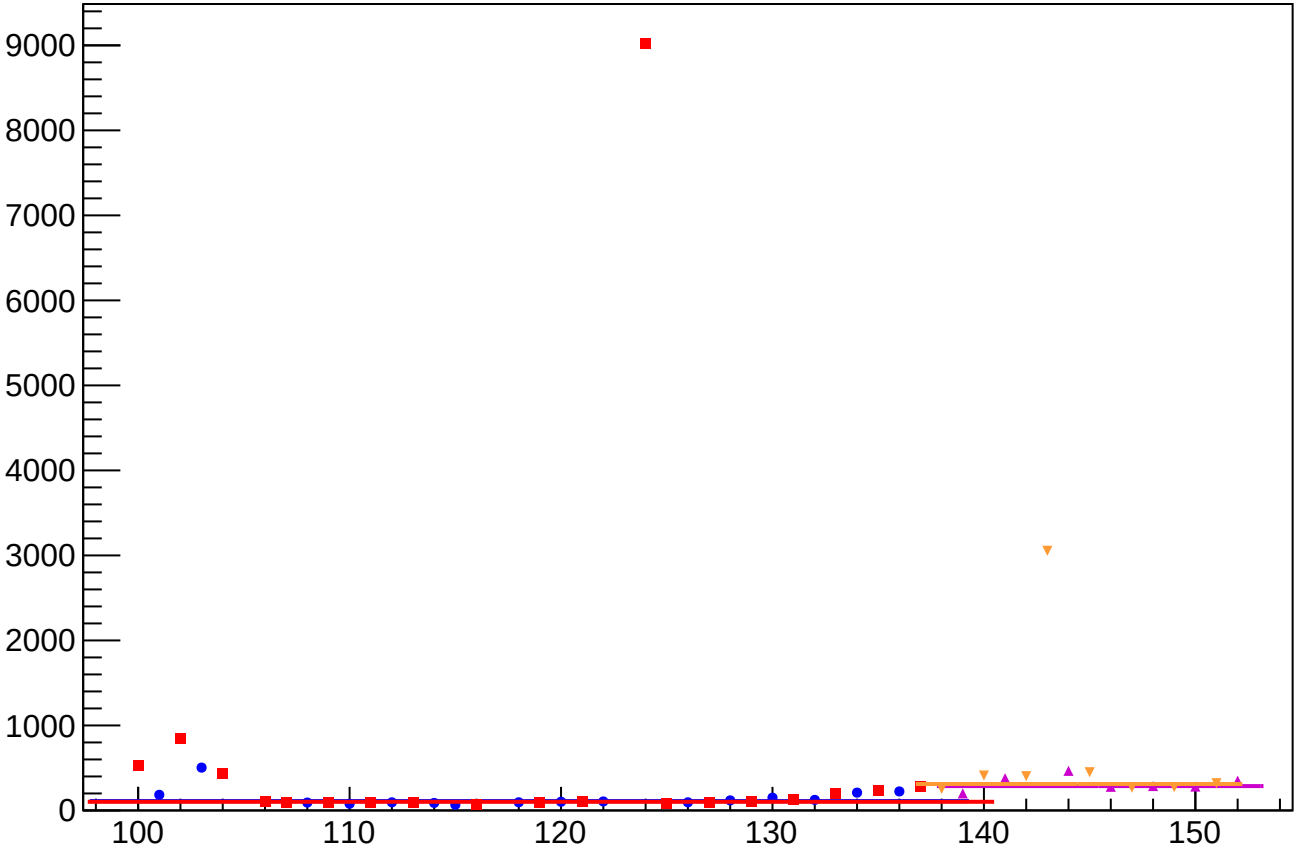
Left In: -0.147+/-0.121 χ^2/NDF:10.0/6

+ sign 0.008+/-0.043 χ^2/NDF: 22.3/23

All: -0.007+/-0.030 χ^2/NDF: 56.2/49

- sign -0.020+/-0.041 χ^2/NDF: 33.7/25

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: 310.950+/-0.096 χ^2/NDF:1760791.7/7

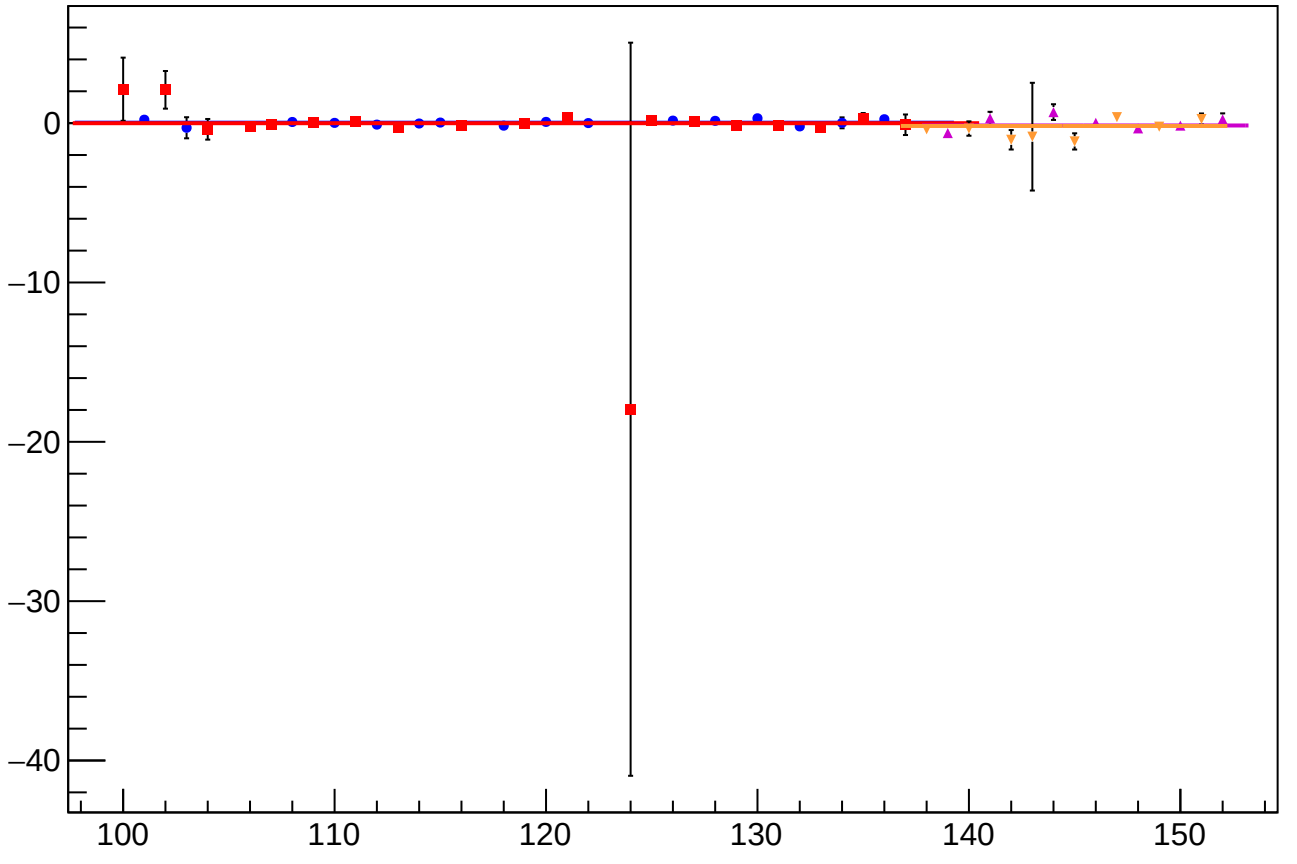
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 286.656+/-0.086 χ^2/NDF:704217.7/6

+ sign 130.016+/-0.030 χ^2/NDF: 7613517.5/23

All: 126.261+/-0.021 χ^2/NDF: 15066478.2/49

- sign 122.873+/-0.029 χ^2/NDF: 7423929.8/25



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.177+/-0.136 χ^2/NDF:11.4/7

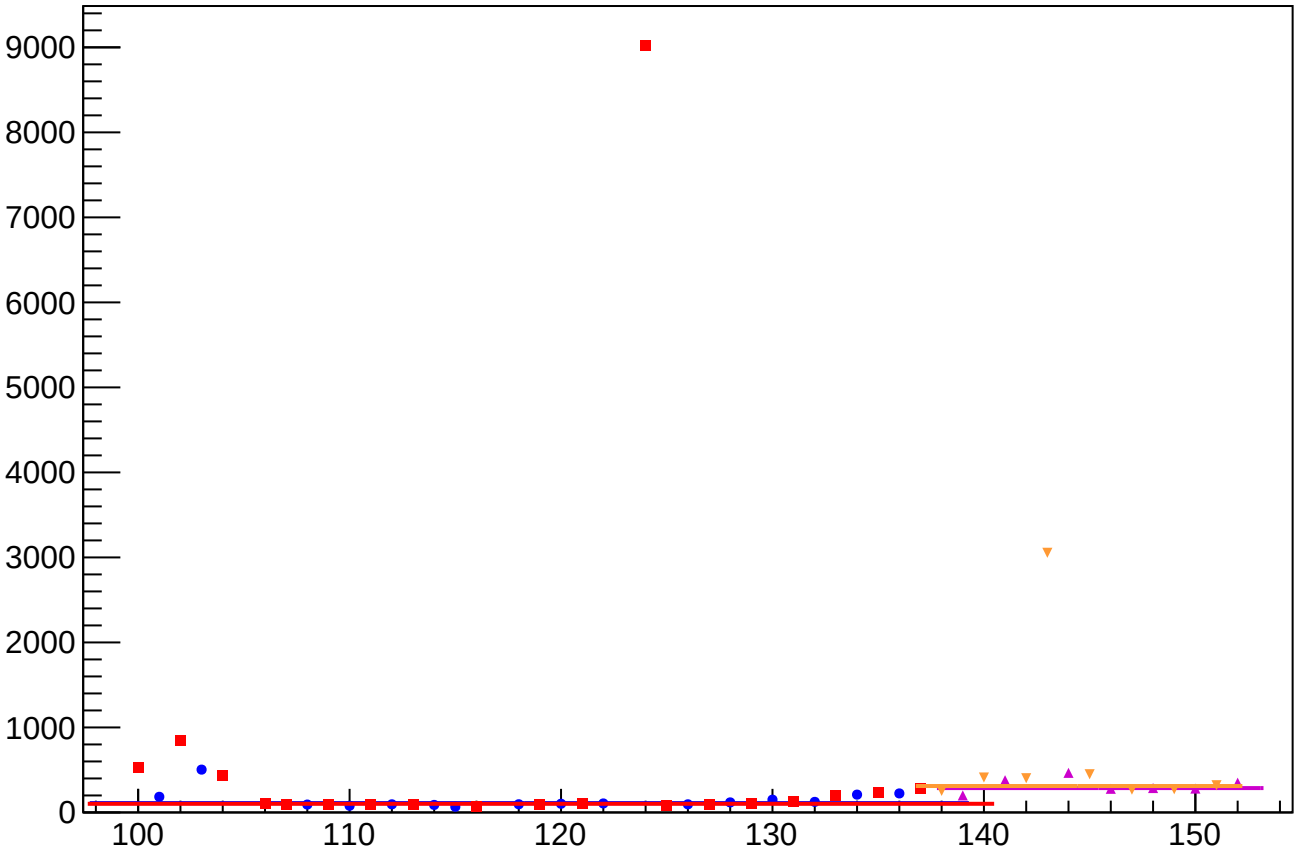
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.147+/-0.121 χ^2/NDF:10.0/6

+ sign 0.008+/-0.043 χ^2/NDF: 22.3/23

All: -0.007+/-0.030 χ^2/NDF: 56.2/49

- sign -0.020+/-0.041 χ^2/NDF: 33.7/25



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 310.950+/-0.096 χ^2/NDF:1760791.7/7

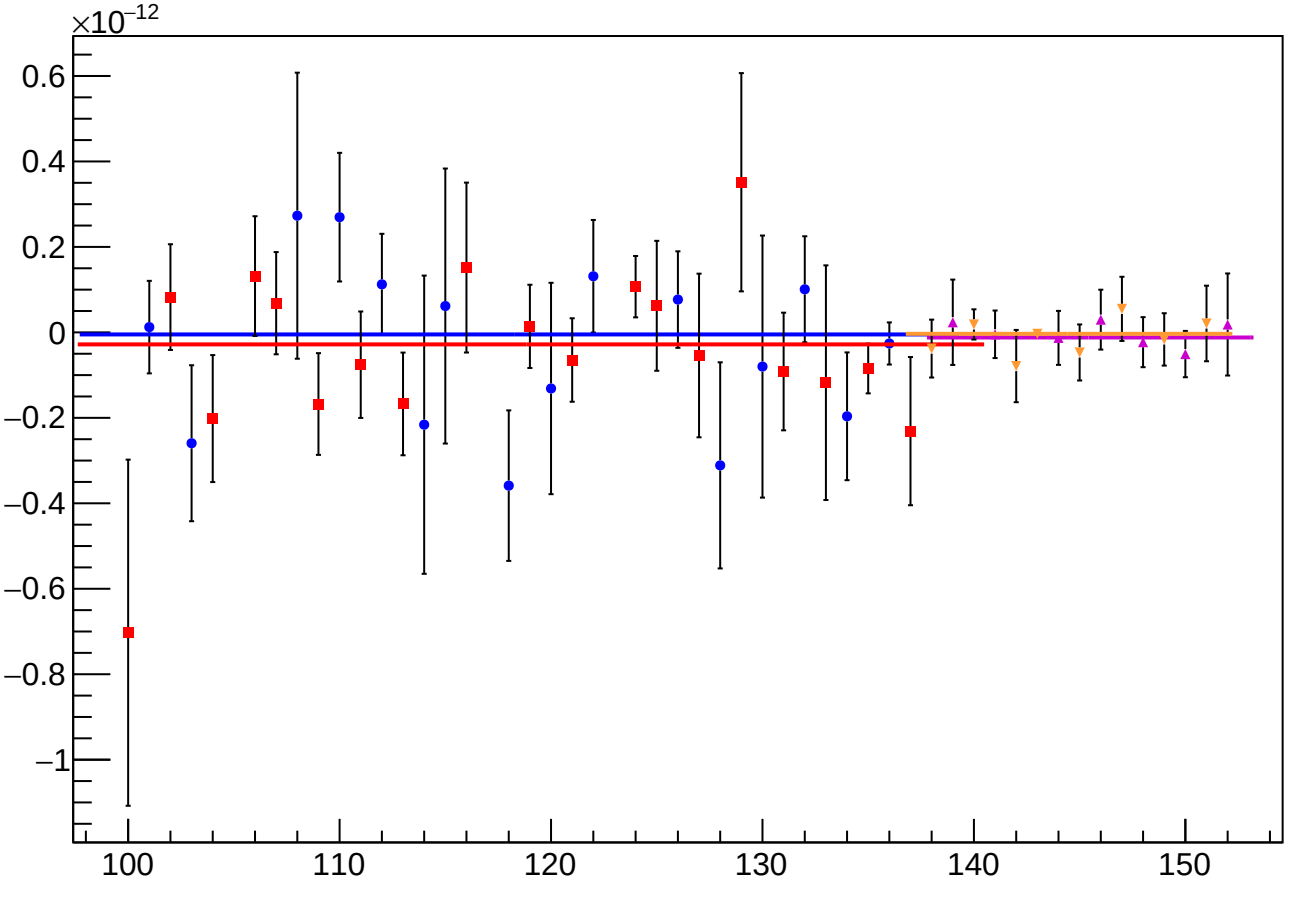
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 286.656+/-0.086 χ^2/NDF:704217.7/6

+ sign 130.016+/-0.030 χ^2/NDF: 7613517.5/23

All: 126.261+/-0.021 χ^2/NDF: 15066478.2/49

- sign 122.873+/-0.029 χ^2/NDF: 7423929.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/7

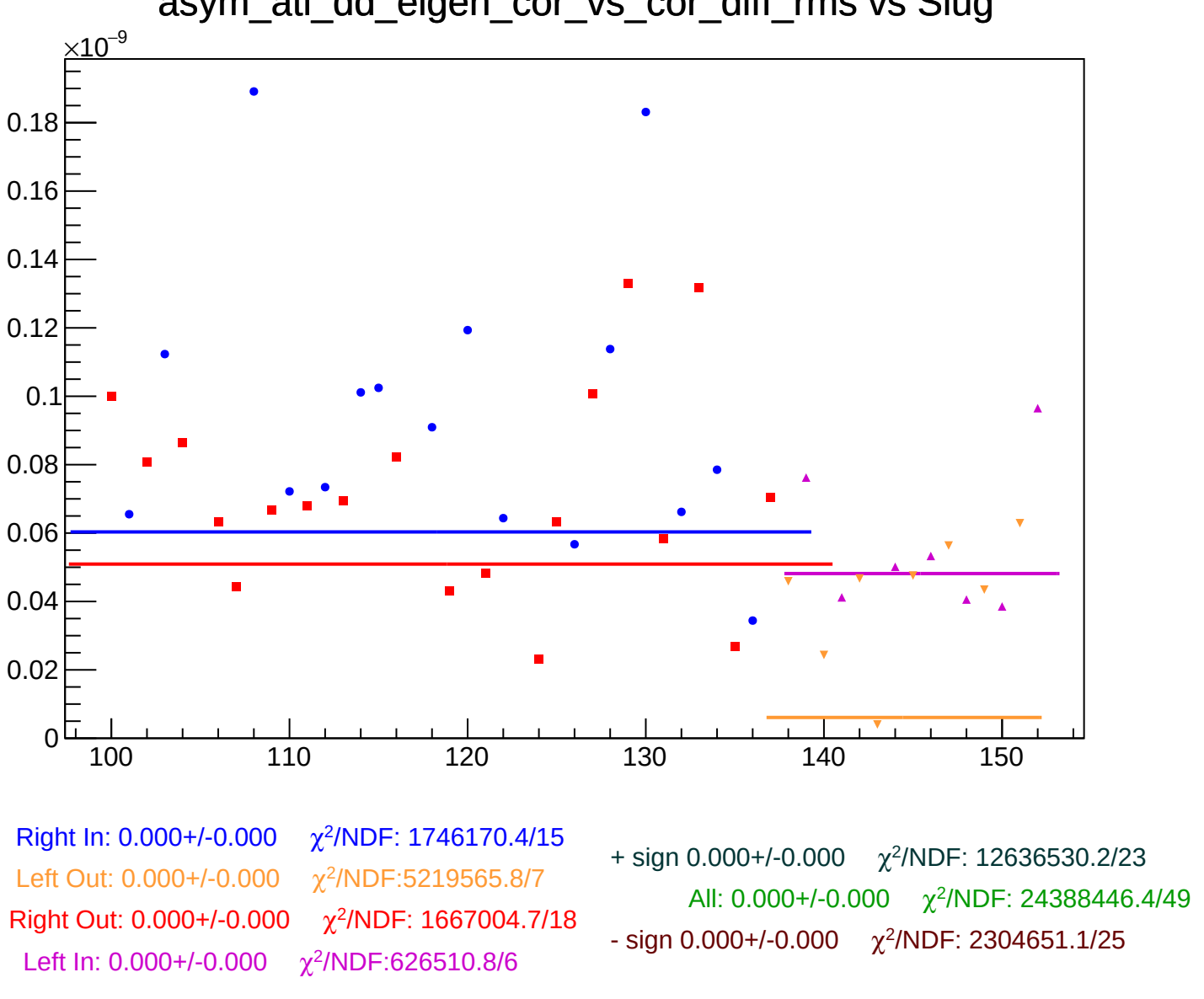
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

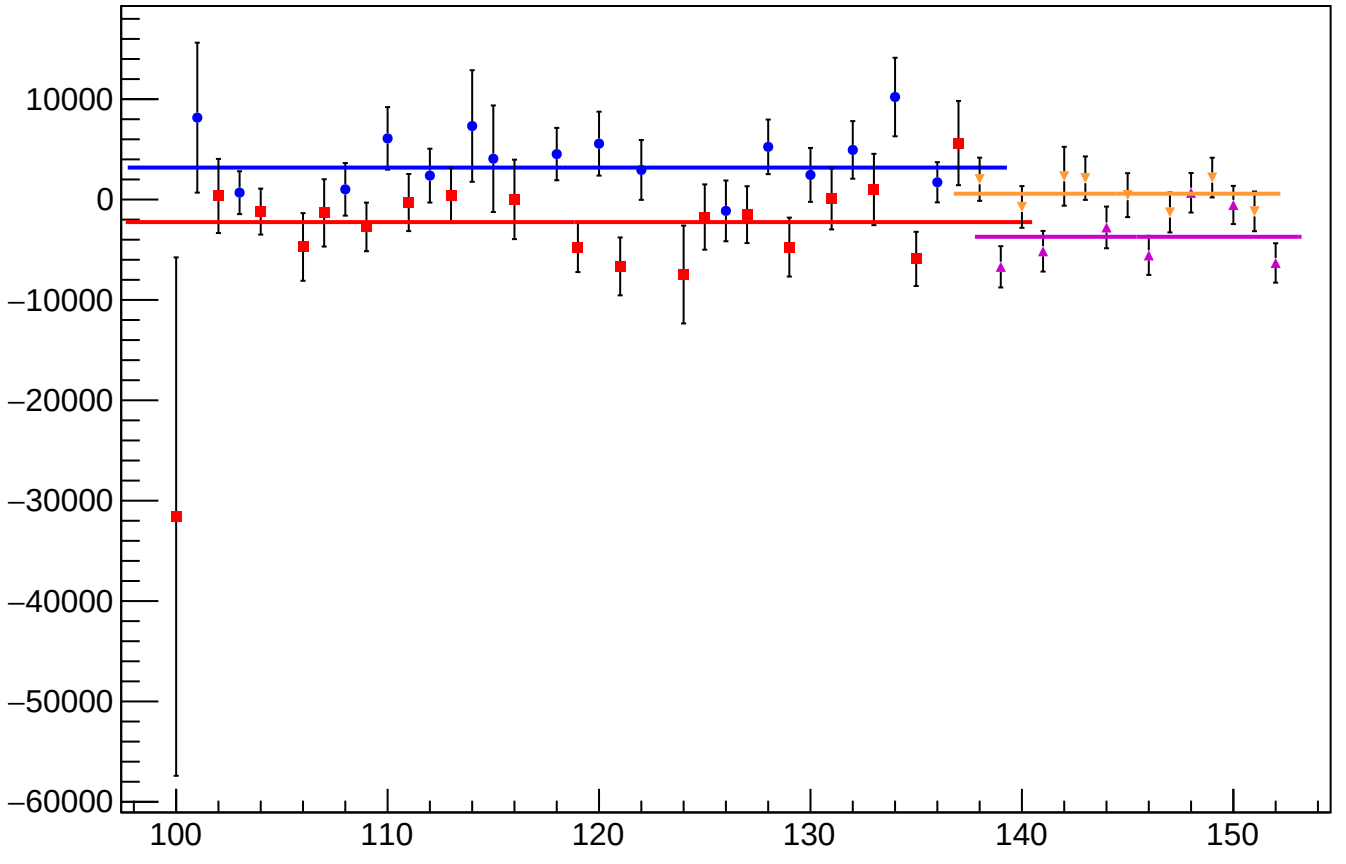
Left In: -0.000+/-0.000 χ^2/NDF:1.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 20.1/23

All: -0.000+/-0.000 χ^2/NDF: 41.7/49

- sign -0.000+/-0.000 χ^2/NDF: 21.0/25


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:5219565.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:626510.8/6
+ sign 0.000+/-0.000 χ²/NDF: 12636530.2/23
All: 0.000+/-0.000 χ²/NDF: 24388446.4/49
- sign 0.000+/-0.000 χ²/NDF: 2304651.1/25



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 580.325+/-755.511 χ^2/NDF:4.1/7

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

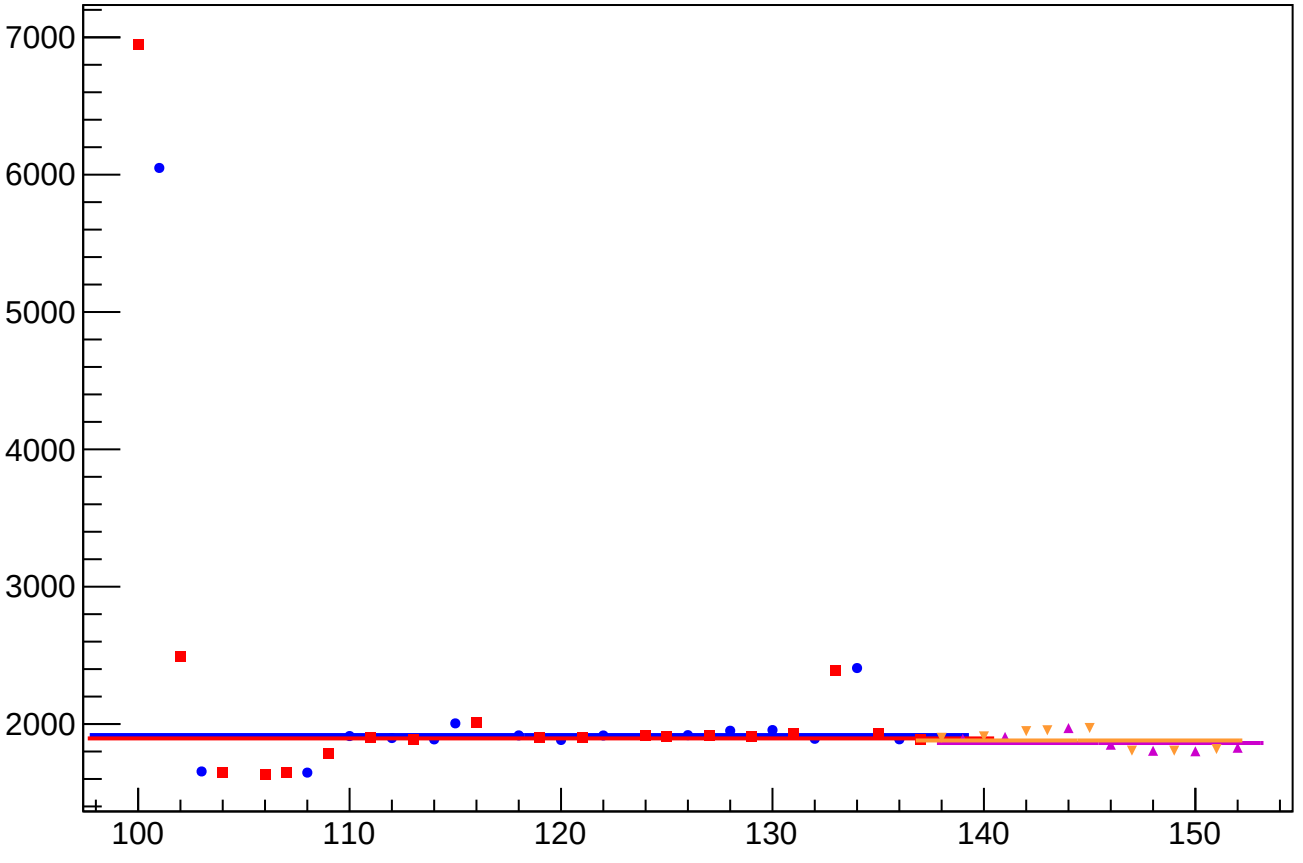
Left In: -3710.427+/-751.798 χ^2/NDF:13.2/6

+ sign 1924.693+/-525.396 χ^2/NDF: 21.9/23

All: -547.645+/-368.340 χ^2/NDF: 97.2/49

- sign -2937.341+/-516.540 χ^2/NDF: 31.7/25

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1880.329+/-0.534 χ^2/NDF:15020.3/7

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

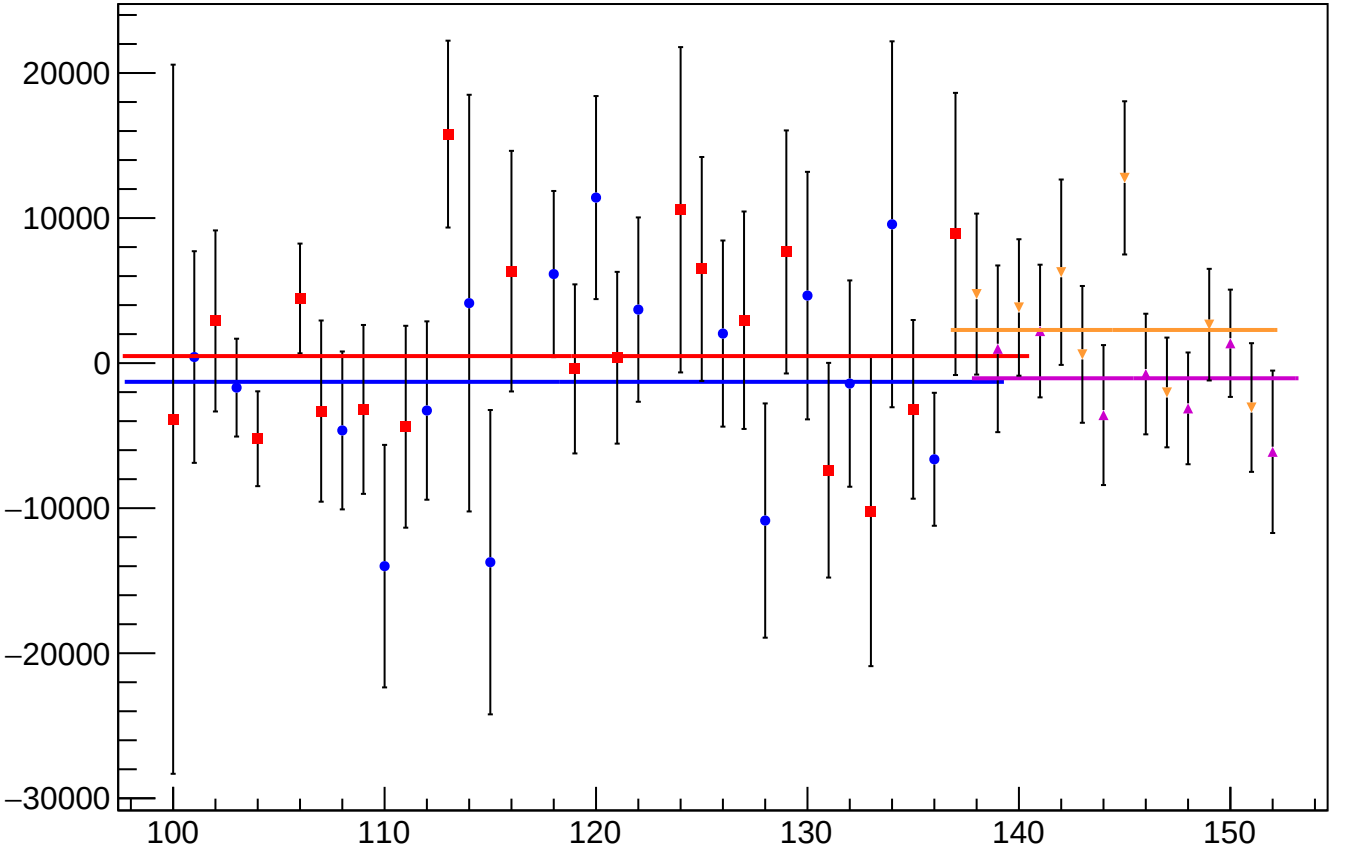
Left In: 1861.908+/-0.532 χ^2/NDF:11211.3/6

+ sign 1900.725+/-0.372 χ^2/NDF: 715174.7/23

All: 1889.977+/-0.260 χ^2/NDF: 952400.4/49

- sign 1879.627+/-0.365 χ^2/NDF: 235582.7/25

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 2285.536+/-1641.268 χ^2/NDF:7.5/7

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

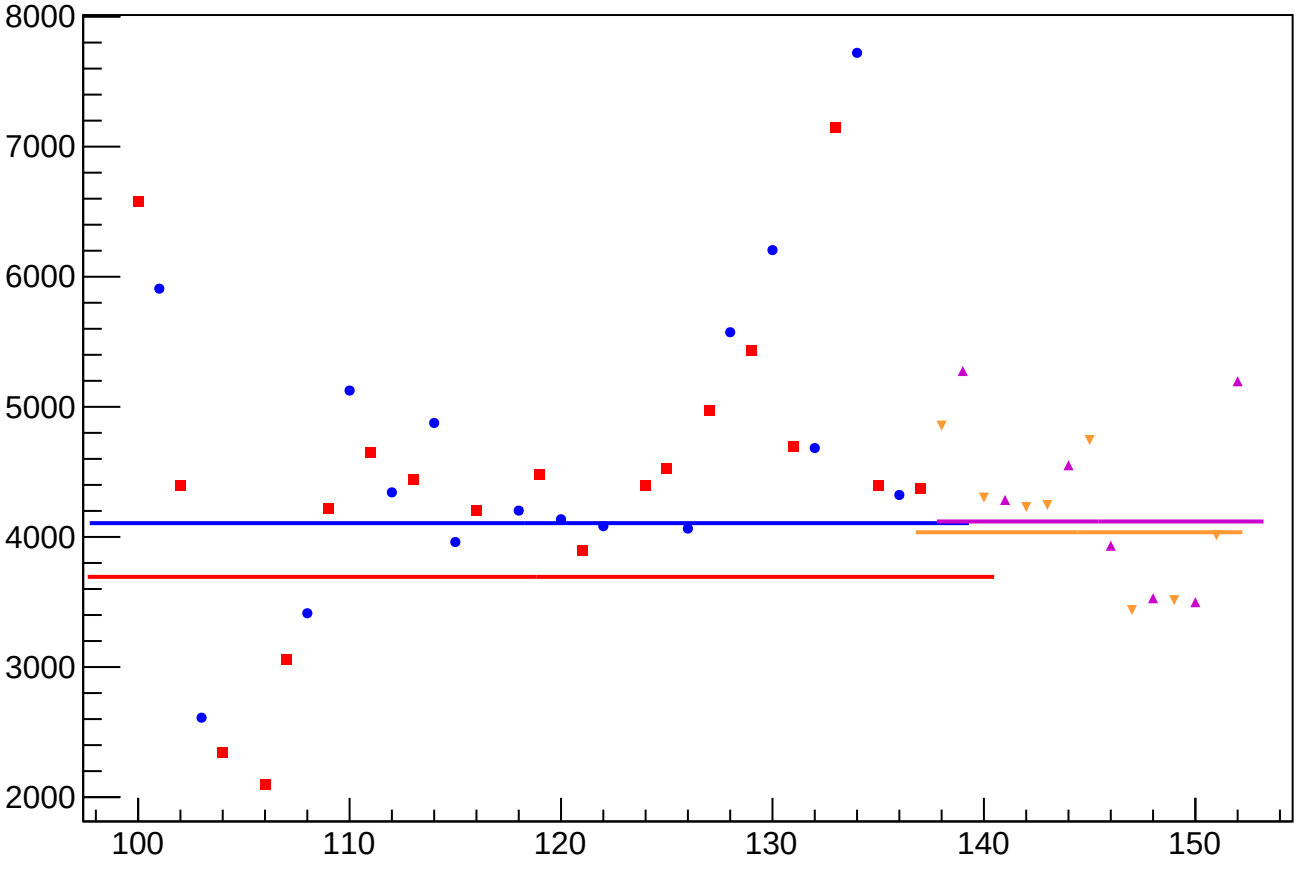
Left In: -1044.556+/-1687.110 χ^2/NDF:2.4/6

+ sign 435.658+/-1140.299 χ^2/NDF: 24.2/23

All: 126.462+/-789.497 χ^2/NDF: 44.5/49

- sign -158.222+/-1094.165 χ^2/NDF: 20.2/25

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4036.037+/-1.161 χ^2/NDF:178666.4/7

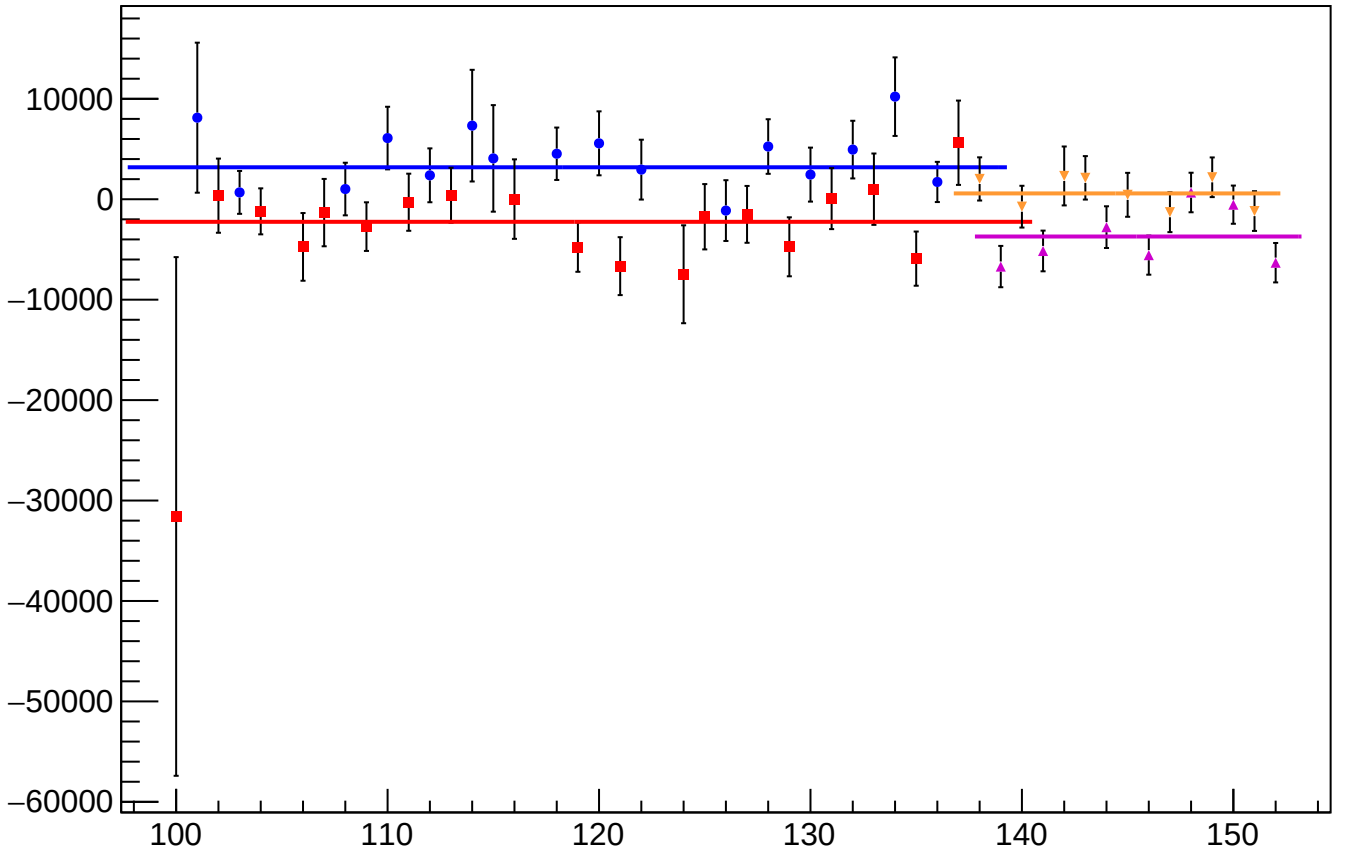
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4118.853+/-1.193 χ^2/NDF:281093.1/6

+ sign 4072.302+/-0.806 χ^2/NDF: 1136684.4/23

All: 3968.159+/-0.558 χ^2/NDF: 2880200.4/49

- sign 3872.272+/-0.774 χ^2/NDF: 1711474.2/25



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 580.281+/-755.511 χ^2/NDF:4.1/7

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

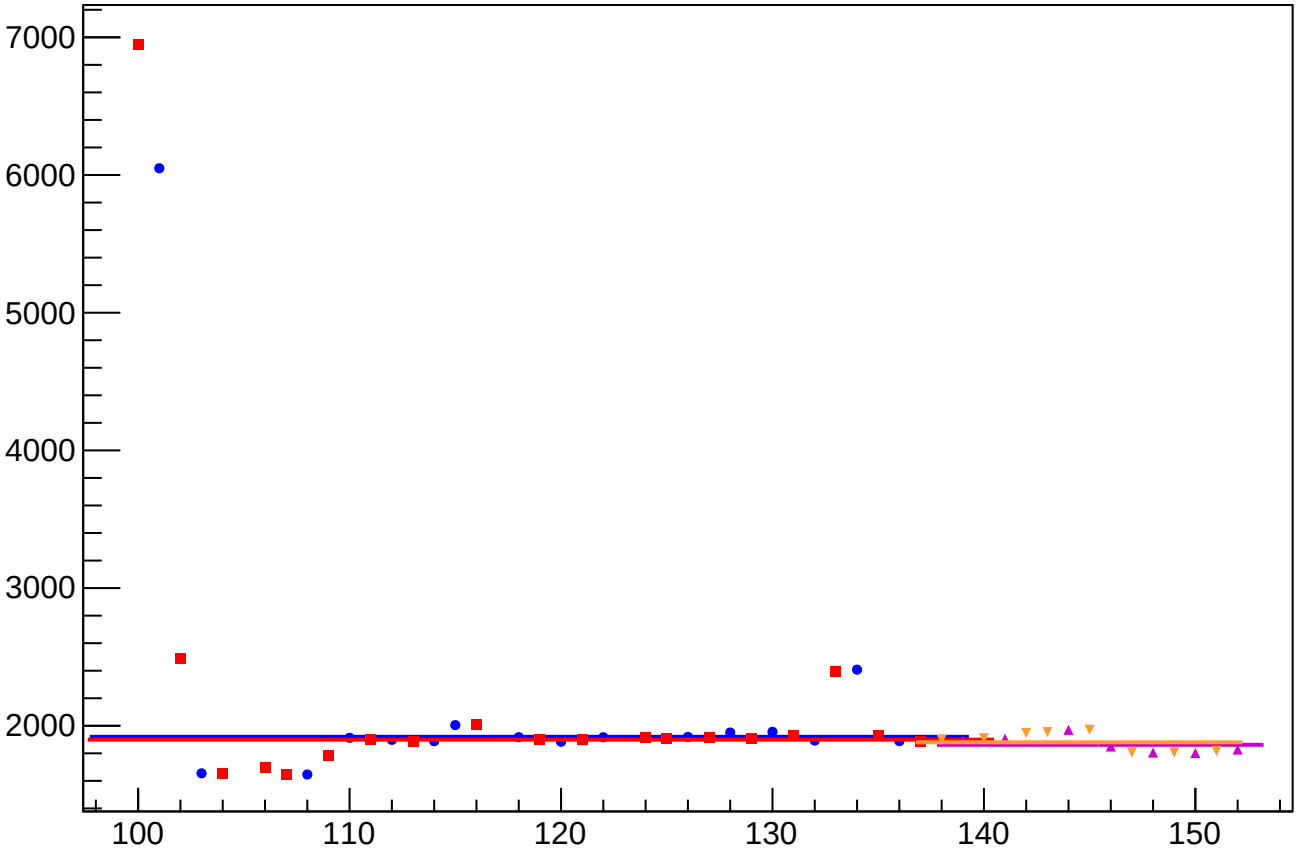
Left In: -3710.615+/-751.798 χ^2/NDF:13.2/6

+ sign 1924.294+/-525.396 χ^2/NDF: 21.9/23

All: -548.186+/-368.341 χ^2/NDF: 97.2/49

- sign -2938.034+/-516.542 χ^2/NDF: 31.7/25

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1880.329+/-0.534 χ^2/NDF:15020.3/7

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

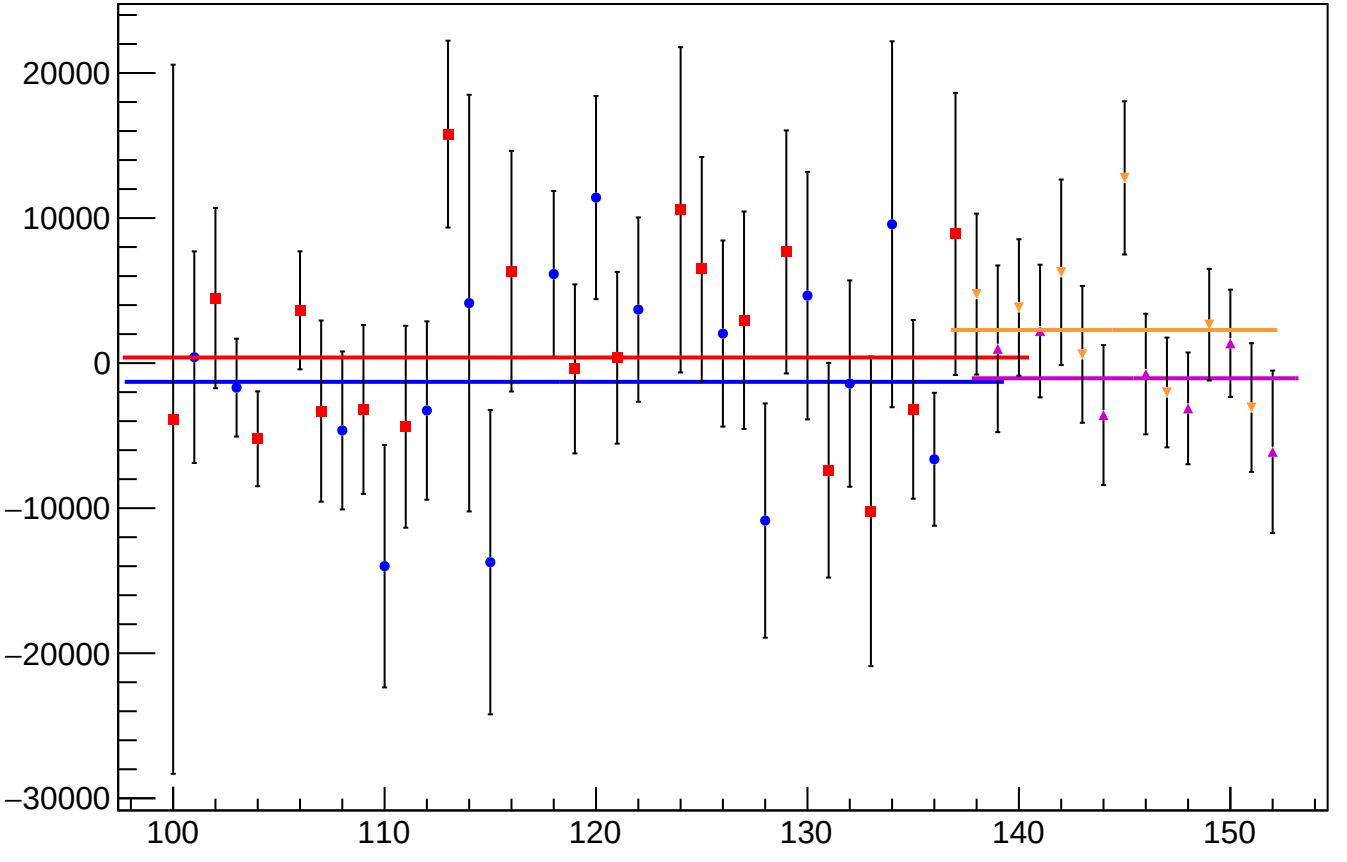
Left In: 1861.908+/-0.532 χ^2/NDF:11211.3/6

+ sign 1900.726+/-0.372 χ^2/NDF: 715173.8/23

All: 1891.049+/-0.260 χ^2/NDF: 945997.2/49

- sign 1881.711+/-0.365 χ^2/NDF: 229490.2/25

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 2285.490+/-1641.261 χ^2/NDF:7.5/7

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

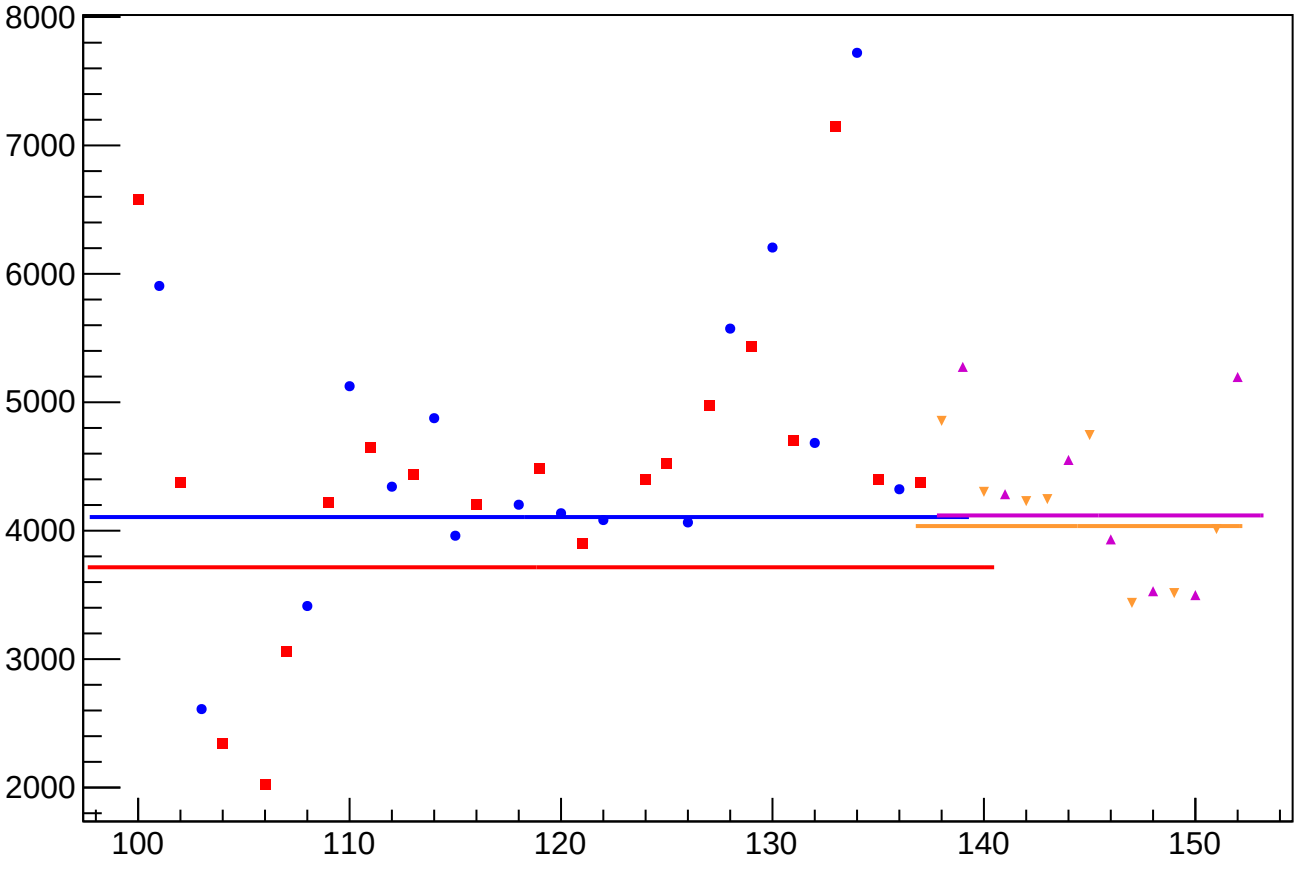
Left In: -1044.594+/-1687.113 χ^2/NDF:2.4/6

+ sign 435.457+/-1140.297 χ^2/NDF: 24.2/23

All: 95.220+/-791.804 χ^2/NDF: 44.3/49

- sign -221.585+/-1100.331 χ^2/NDF: 19.9/25

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4036.019+/-1.161 χ^2/NDF:178667.1/7

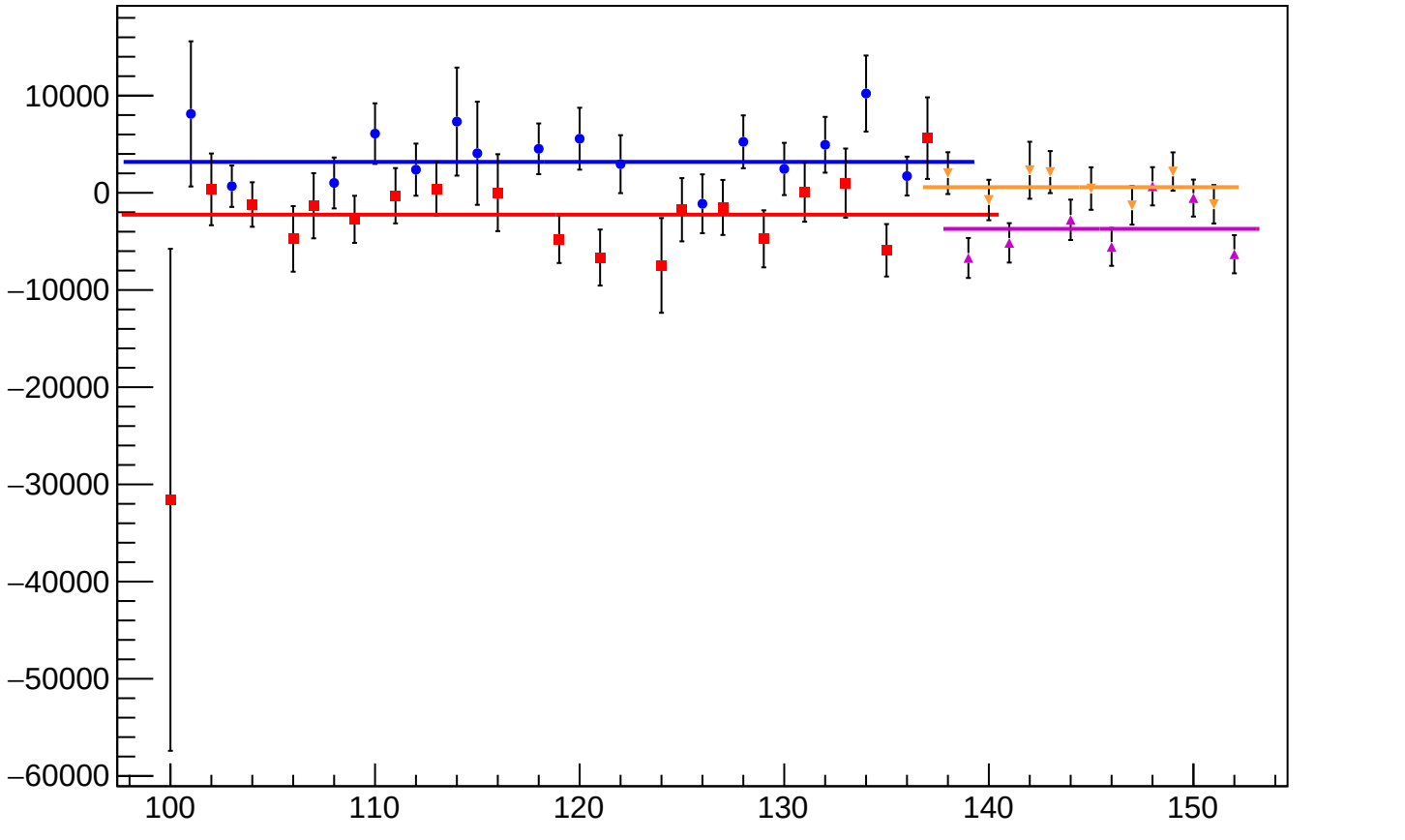
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4118.861+/-1.193 χ^2/NDF:281093.3/6

+ sign 4072.341+/-0.806 χ^2/NDF: 1136191.8/23

All: 3976.315+/-0.560 χ^2/NDF: 2845565.5/49

- sign 3886.903+/-0.778 χ^2/NDF: 1681984.6/25



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 580.281+/-755.511 χ^2/NDF:4.1/7

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

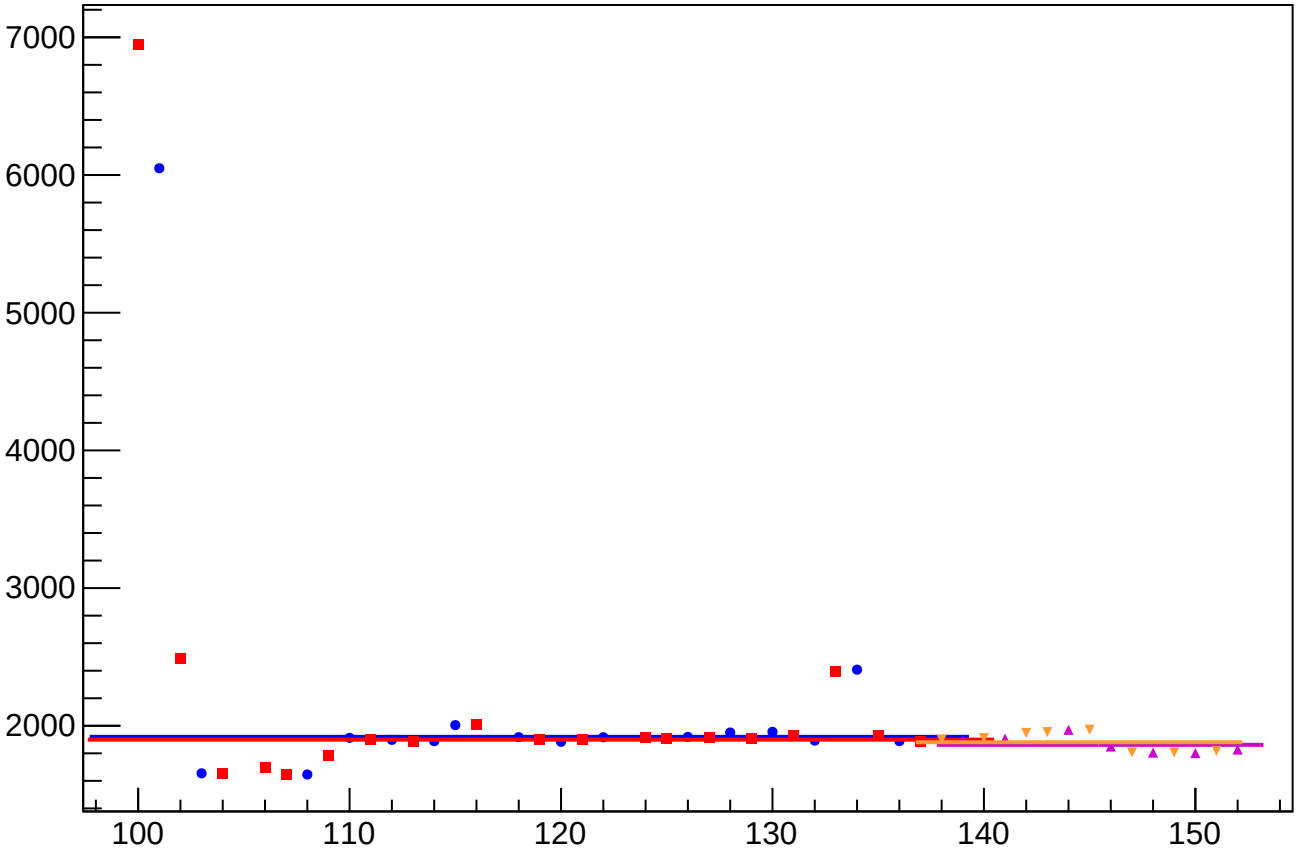
Left In: -3710.615+/-751.798 χ^2/NDF:13.2/6

+ sign 1924.294+/-525.396 χ^2/NDF: 21.9/23

All: -548.186+/-368.341 χ^2/NDF: 97.2/49

- sign -2938.034+/-516.542 χ^2/NDF: 31.7/25

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1880.329+/-0.534 χ^2/NDF:15020.3/7

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

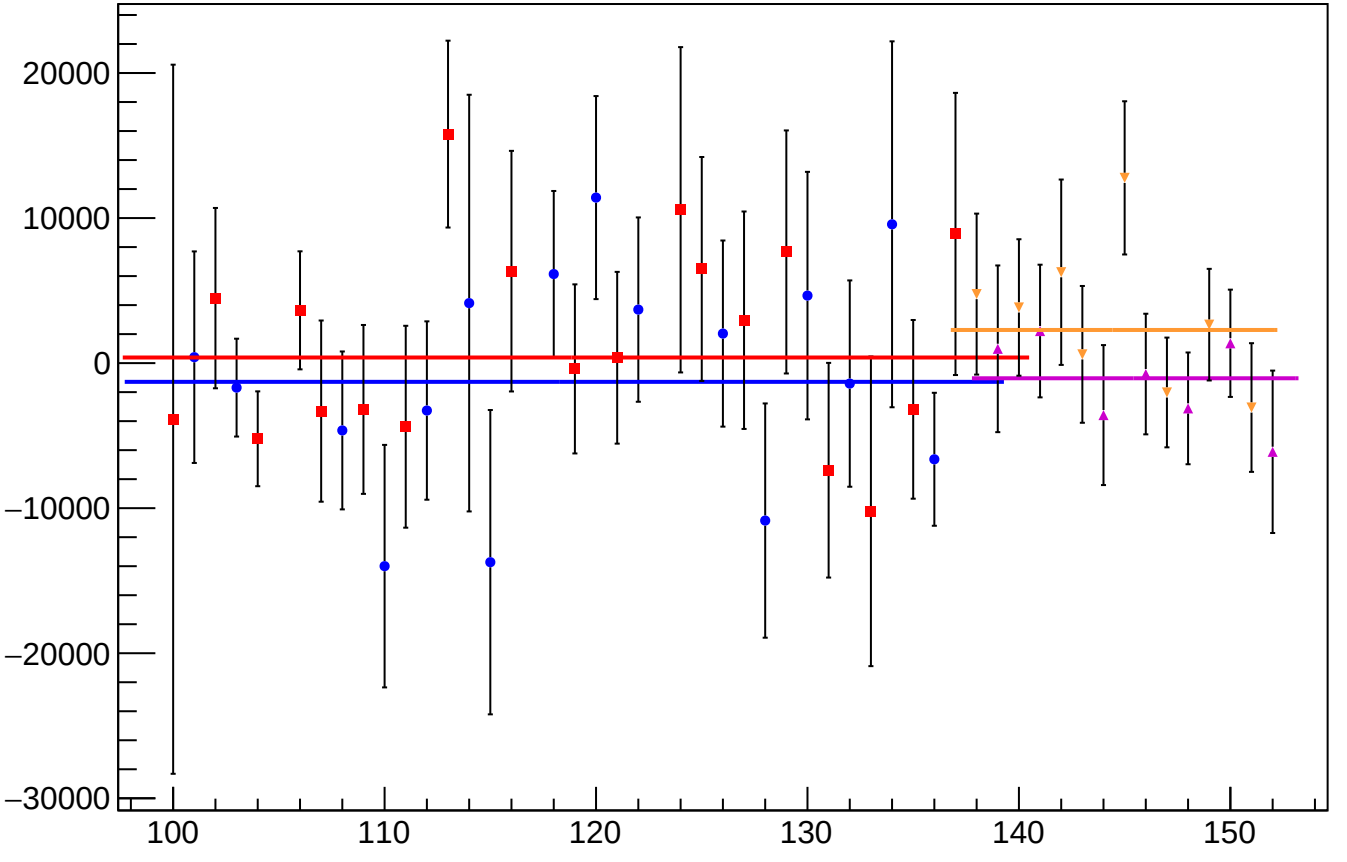
Left In: 1861.908+/-0.532 χ^2/NDF:11211.3/6

+ sign 1900.726+/-0.372 χ^2/NDF: 715173.8/23

All: 1891.049+/-0.260 χ^2/NDF: 945997.2/49

- sign 1881.711+/-0.365 χ^2/NDF: 229490.2/25

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 2285.490+/-1641.261 χ^2/NDF:7.5/7

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

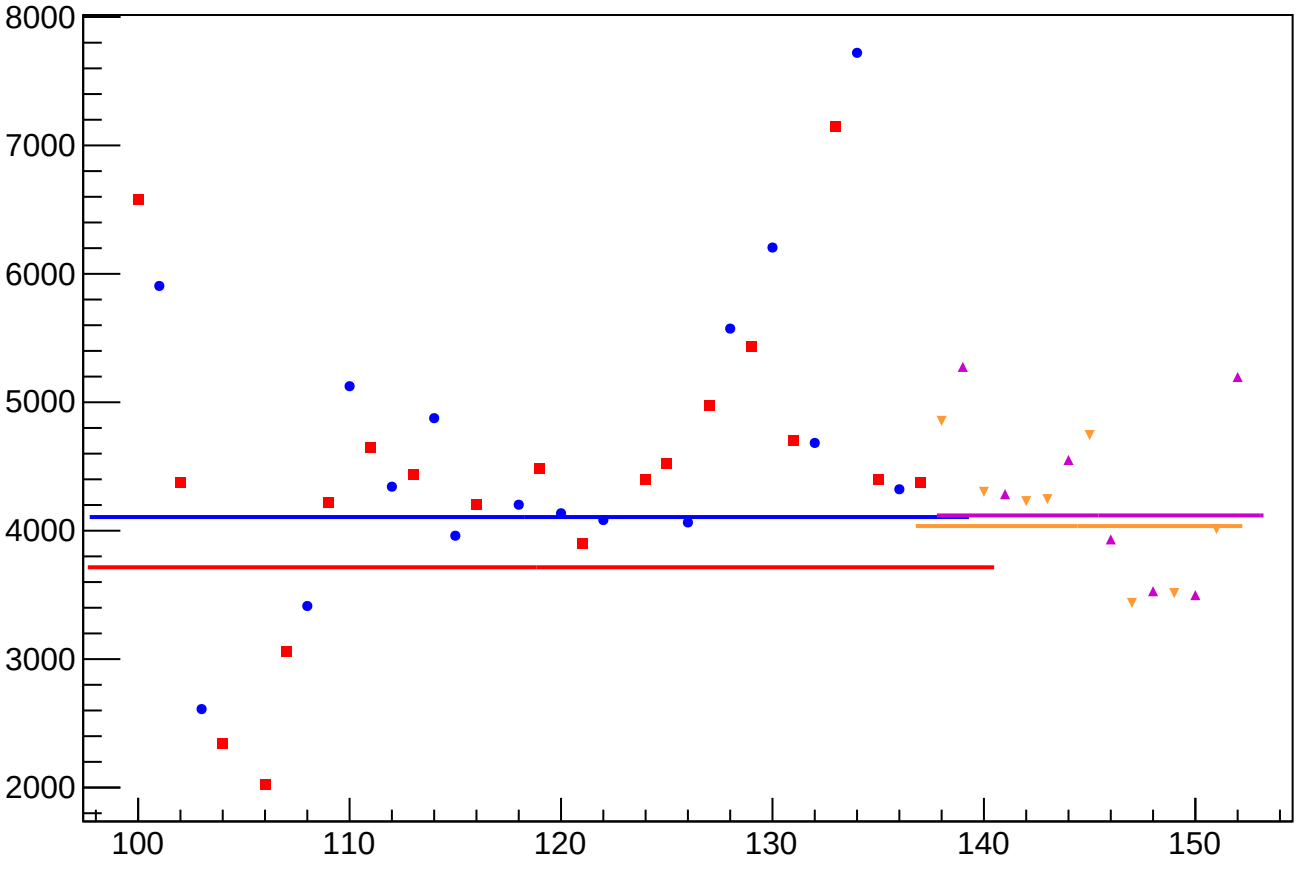
Left In: -1044.594+/-1687.113 χ^2/NDF:2.4/6

+ sign 435.457+/-1140.297 χ^2/NDF: 24.2/23

All: 95.220+/-791.804 χ^2/NDF: 44.3/49

- sign -221.585+/-1100.331 χ^2/NDF: 19.9/25

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4036.019+/-1.161 χ^2/NDF:178667.1/7

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

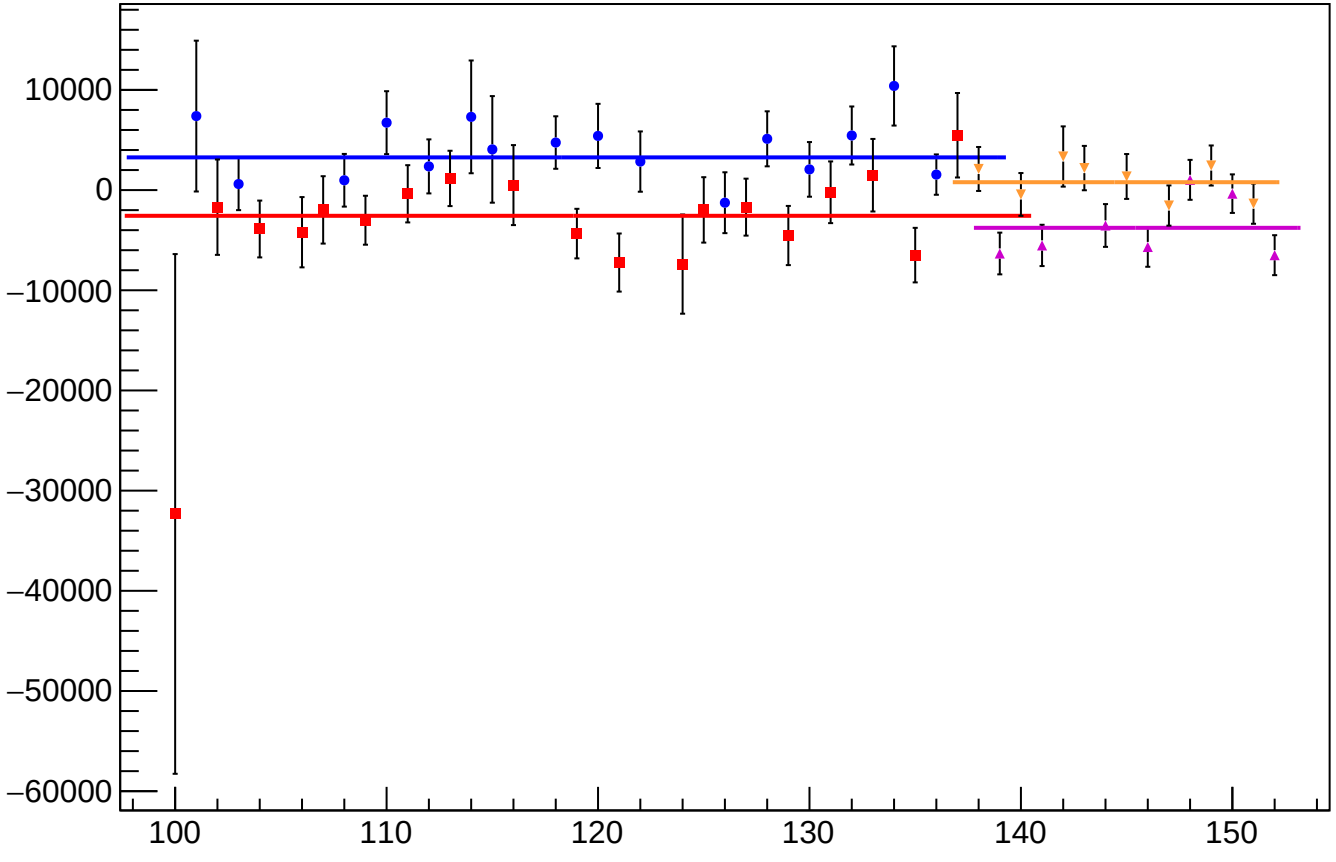
Left In: 4118.861+/-1.193 χ^2/NDF:281093.3/6

+ sign 4072.341+/-0.806 χ^2/NDF: 1136191.8/23

All: 3976.315+/-0.560 χ^2/NDF: 2845565.5/49

- sign 3886.903+/-0.778 χ^2/NDF: 1681984.6/25

dit_asym_atr_avg_mean vs Slug



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 787.259+/-770.031 χ^2/NDF:5.1/7

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

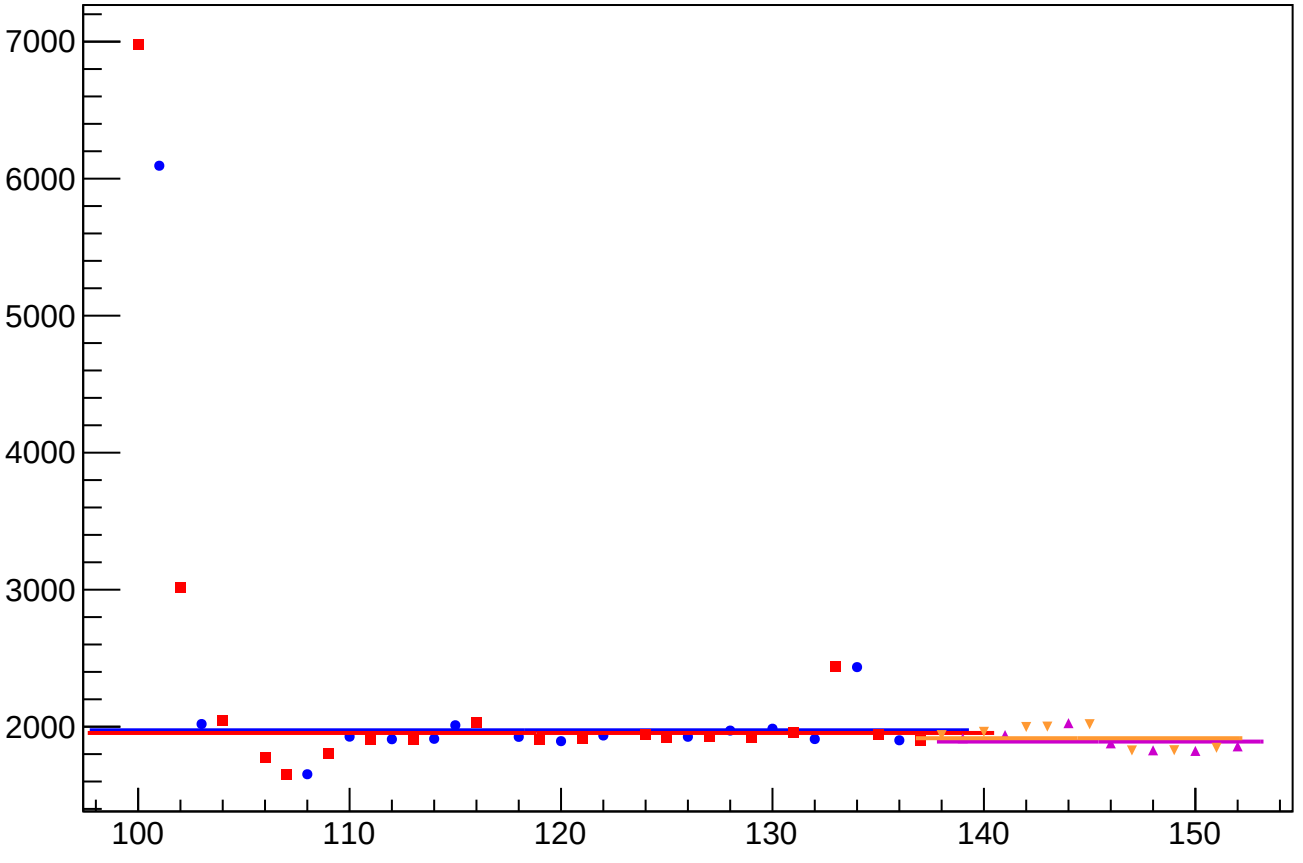
Left In: -3767.058+/-763.830 χ^2/NDF:14.0/6

+ sign 2057.164+/-537.590 χ^2/NDF: 22.5/23

All: -582.317+/-377.268 χ^2/NDF: 102.3/49

- sign -3143.688+/-529.576 χ^2/NDF: 32.3/25

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1916.017+/-0.544 χ^2/NDF:19960.4/7

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

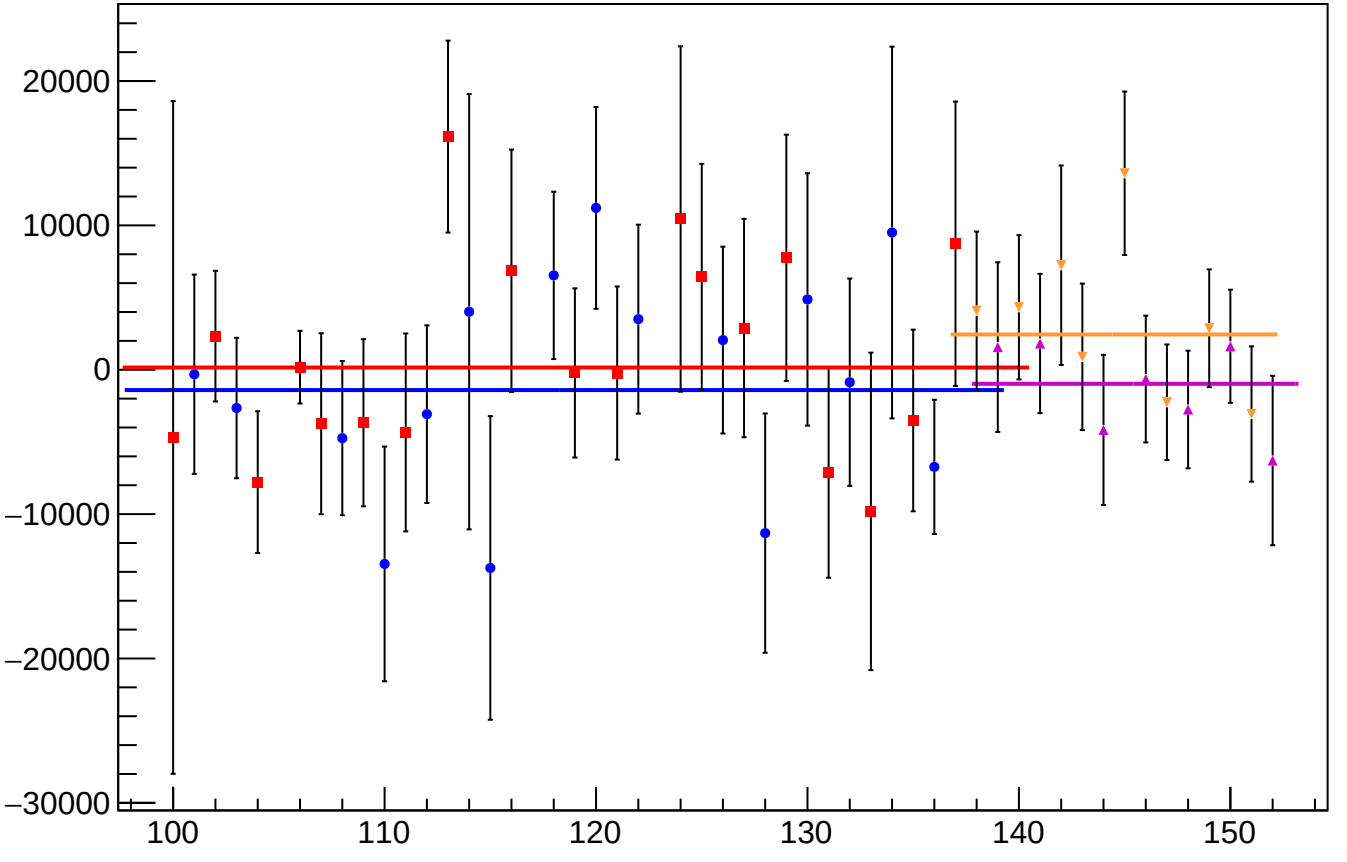
Left In: 1891.401+/-0.540 χ^2/NDF:14519.2/6

+ sign 1945.610+/-0.380 χ^2/NDF: 690847.0/23

All: 1934.695+/-0.267 χ^2/NDF: 960258.8/49

- sign 1924.113+/-0.374 χ^2/NDF: 267788.0/25

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 2445.718+/-1734.553 χ^2/NDF:7.5/7

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

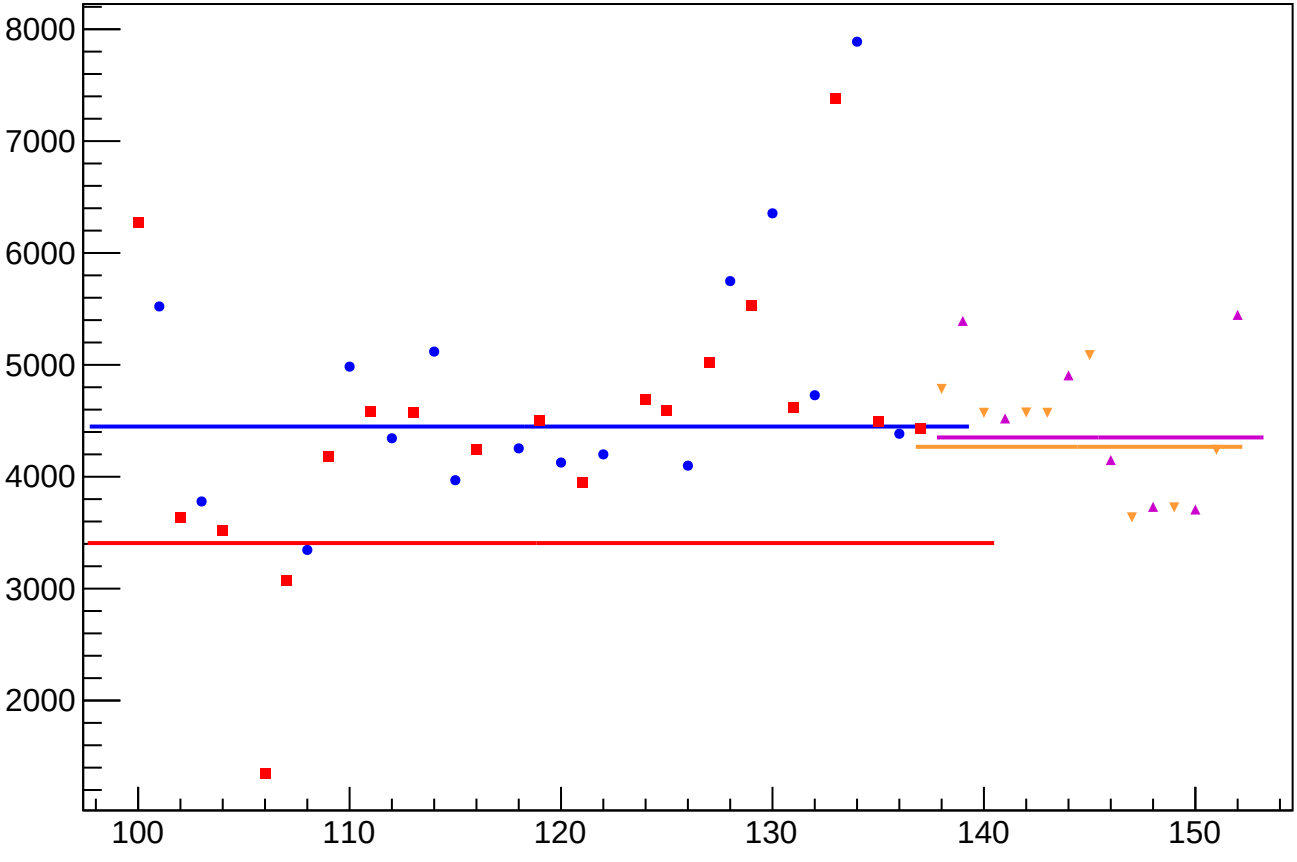
Left In: -973.088+/-1781.089 χ^2/NDF:2.4/6

+ sign 469.035+/-1210.451 χ^2/NDF: 24.2/23

All: 63.088+/-807.001 χ^2/NDF: 42.8/49

- sign -261.718+/-1082.741 χ^2/NDF: 18.4/25

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4267.513+/-1.227 χ^2/NDF:163187.0/7

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

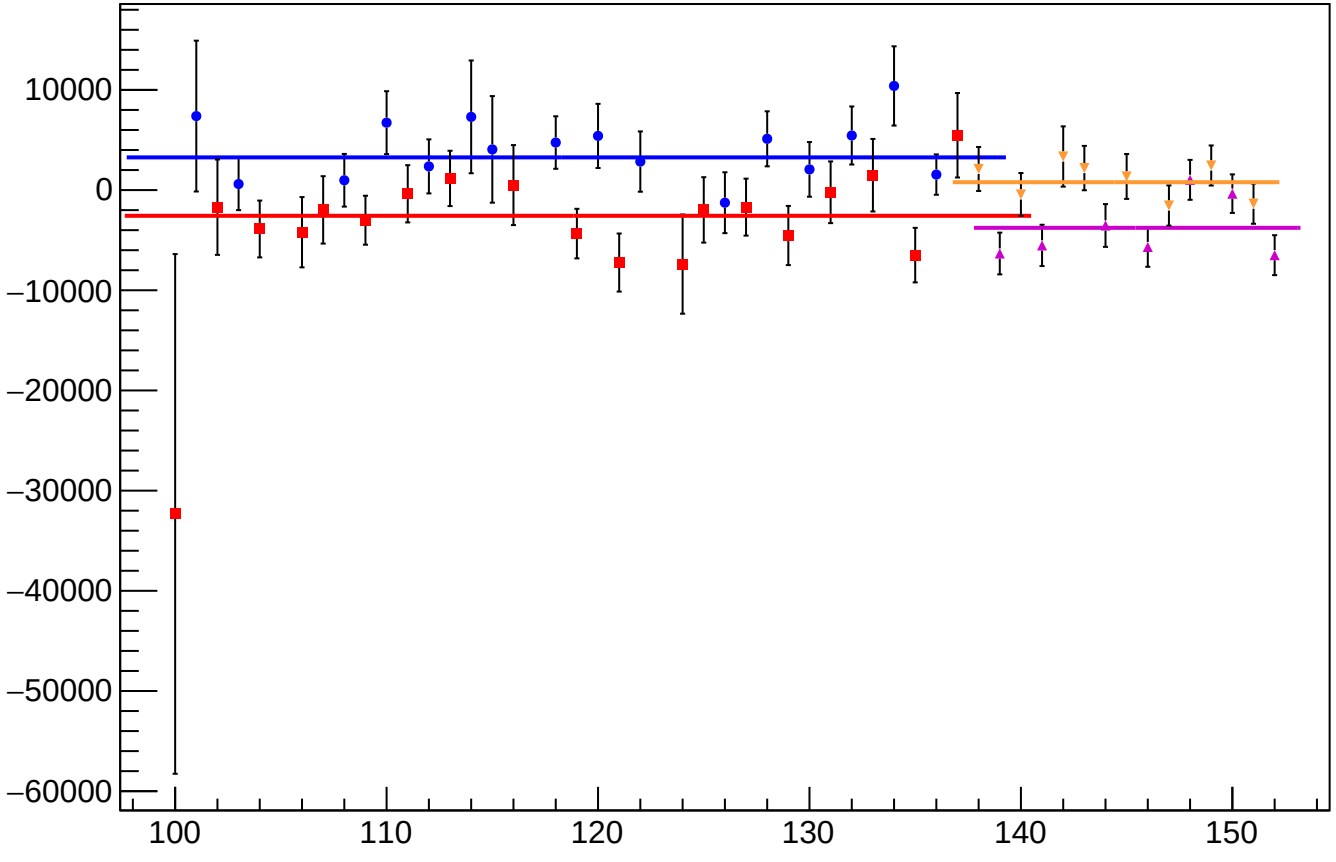
Left In: 4351.394+/-1.259 χ^2/NDF:262439.9/6

+ sign 4360.469+/-0.856 χ^2/NDF: 668997.1/23

All: 4024.723+/-0.571 χ^2/NDF: 3888887.1/49

- sign 3756.085+/-0.766 χ^2/NDF: 2942902.1/25

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 787.259+/-770.032 χ^2/NDF:5.1/7

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

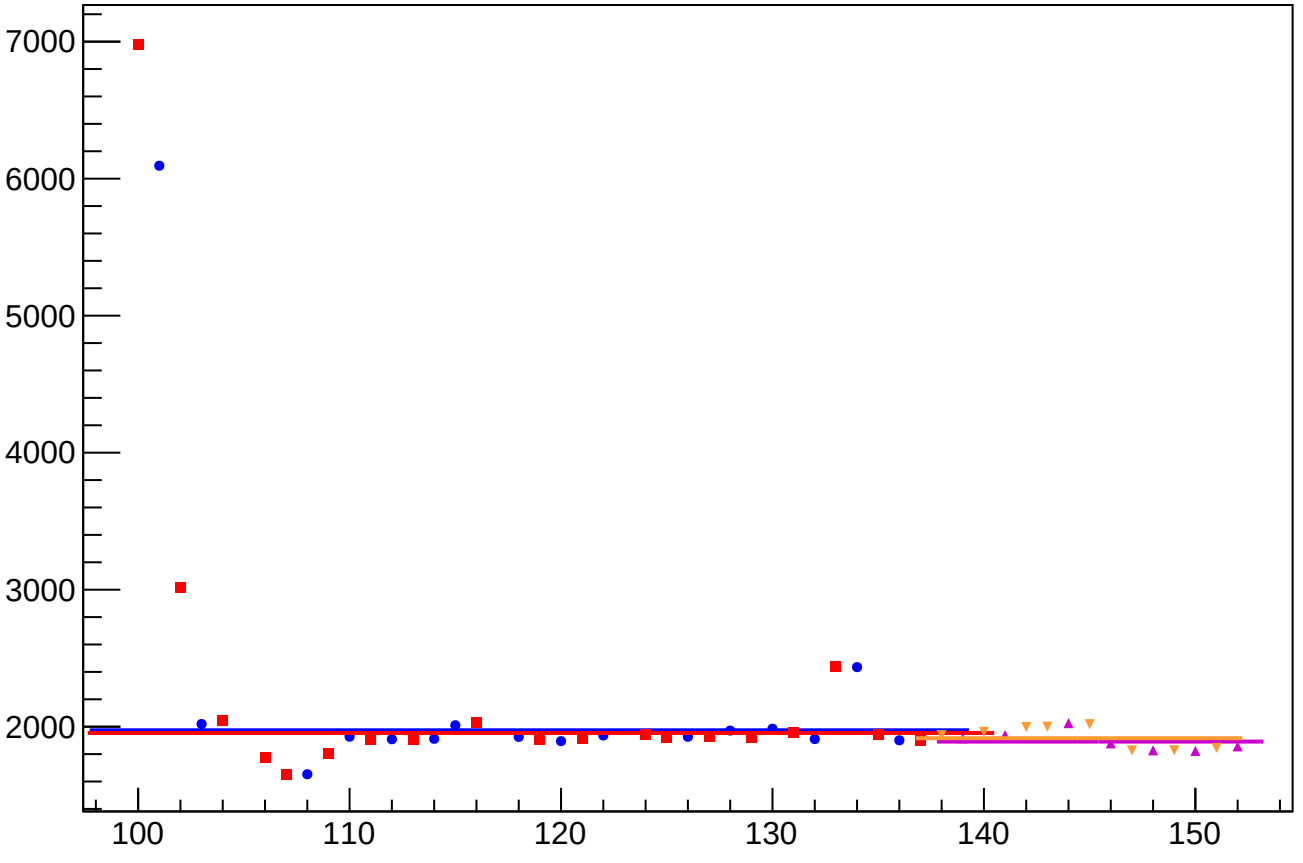
Left In: -3767.054+/-763.830 χ^2/NDF:14.0/6

+ sign 2057.167+/-537.590 χ^2/NDF: 22.5/23

All: -582.316+/-377.268 χ^2/NDF: 102.3/49

- sign -3143.689+/-529.576 χ^2/NDF: 32.3/25

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1916.018+/-0.544 χ^2/NDF:19960.5/7

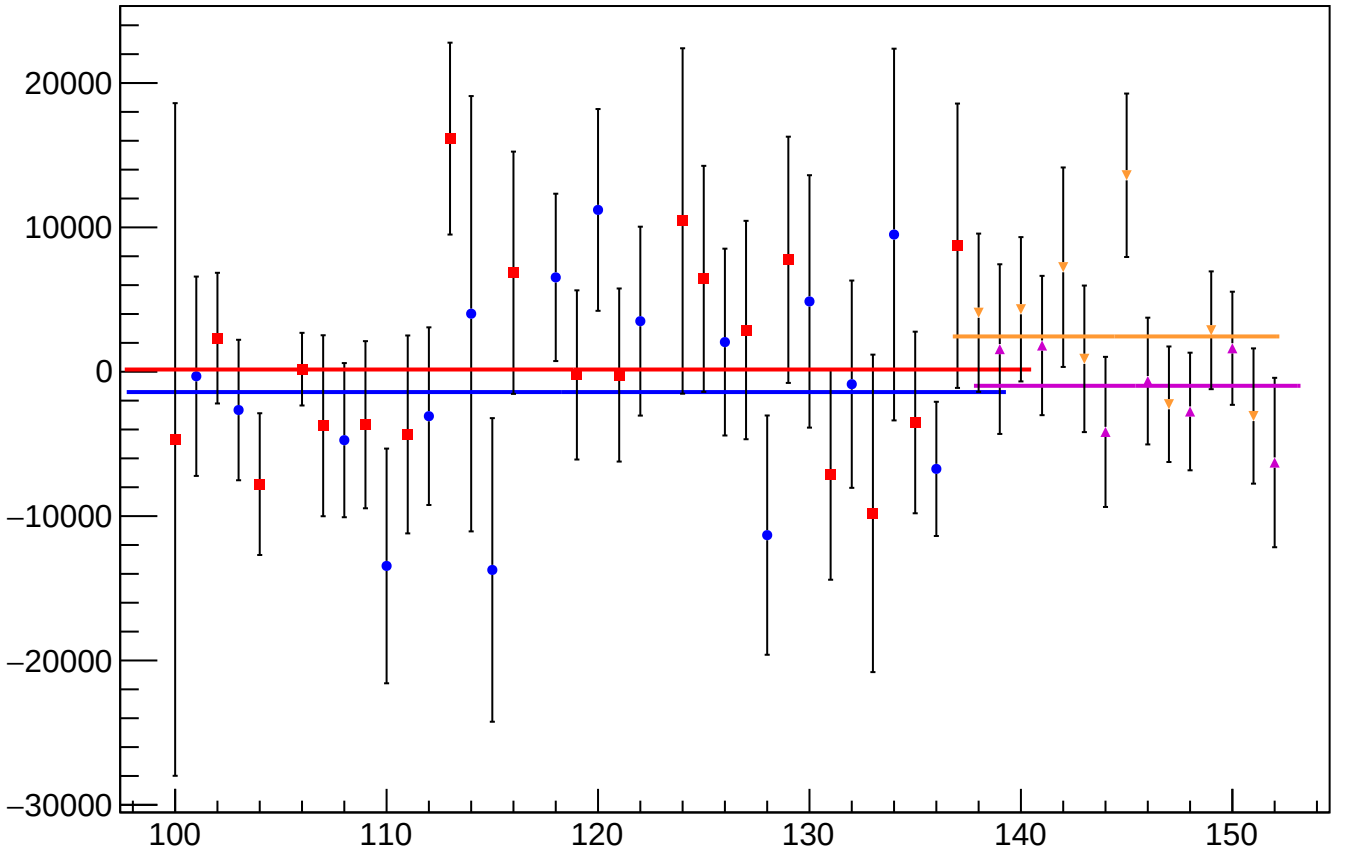
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1891.402+/-0.540 χ^2/NDF:14519.1/6

+ sign 1945.610+/-0.380 χ^2/NDF: 690846.9/23

All: 1934.695+/-0.267 χ^2/NDF: 960257.9/49

- sign 1924.113+/-0.374 χ^2/NDF: 267787.3/25



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 2445.718+/-1734.556 χ^2/NDF:7.5/7

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

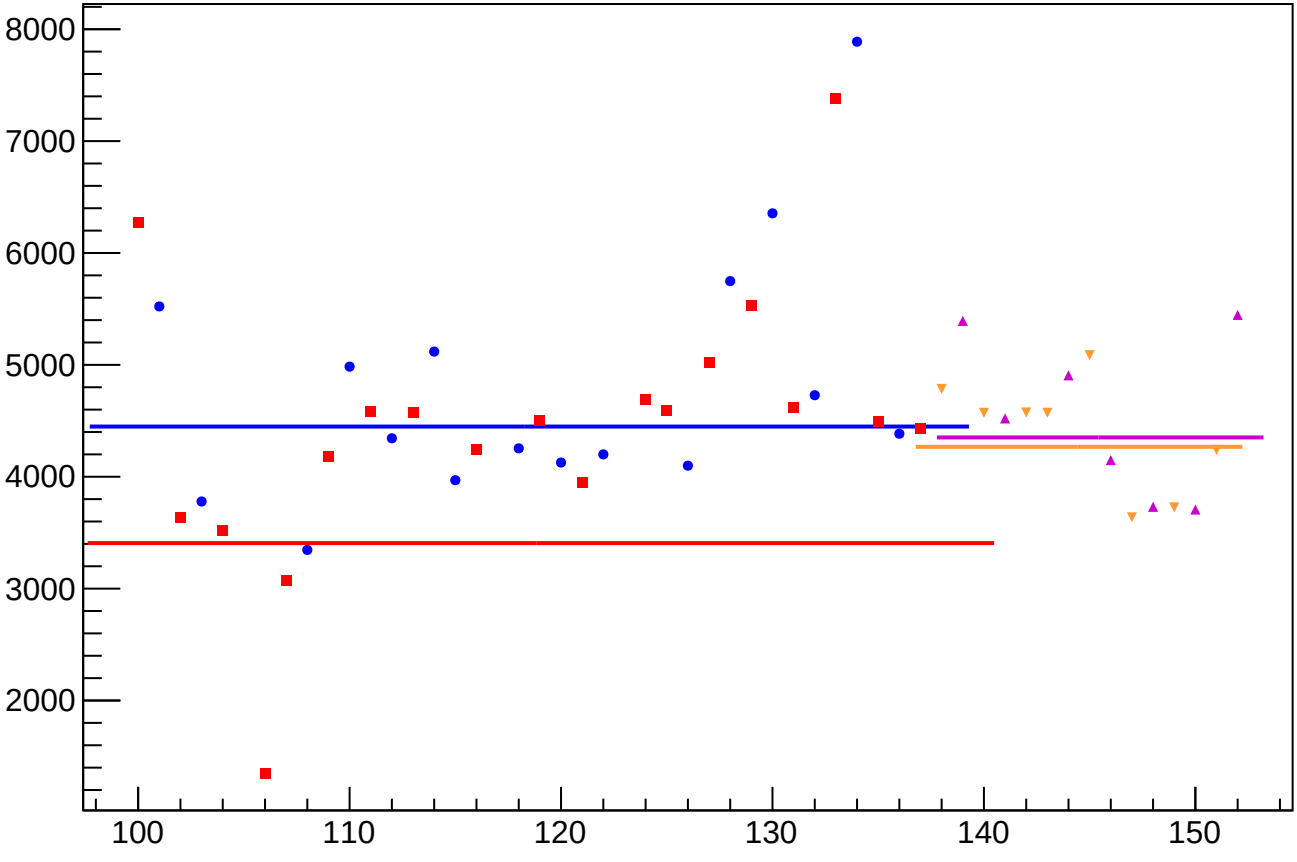
Left In: -973.085+/-1781.091 χ^2/NDF:2.4/6

+ sign 469.039+/-1210.451 χ^2/NDF: 24.2/23

All: 63.091+/-807.000 χ^2/NDF: 42.8/49

- sign -261.715+/-1082.740 χ^2/NDF: 18.4/25

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4267.519+/-1.227 χ^2/NDF:163186.8/7

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

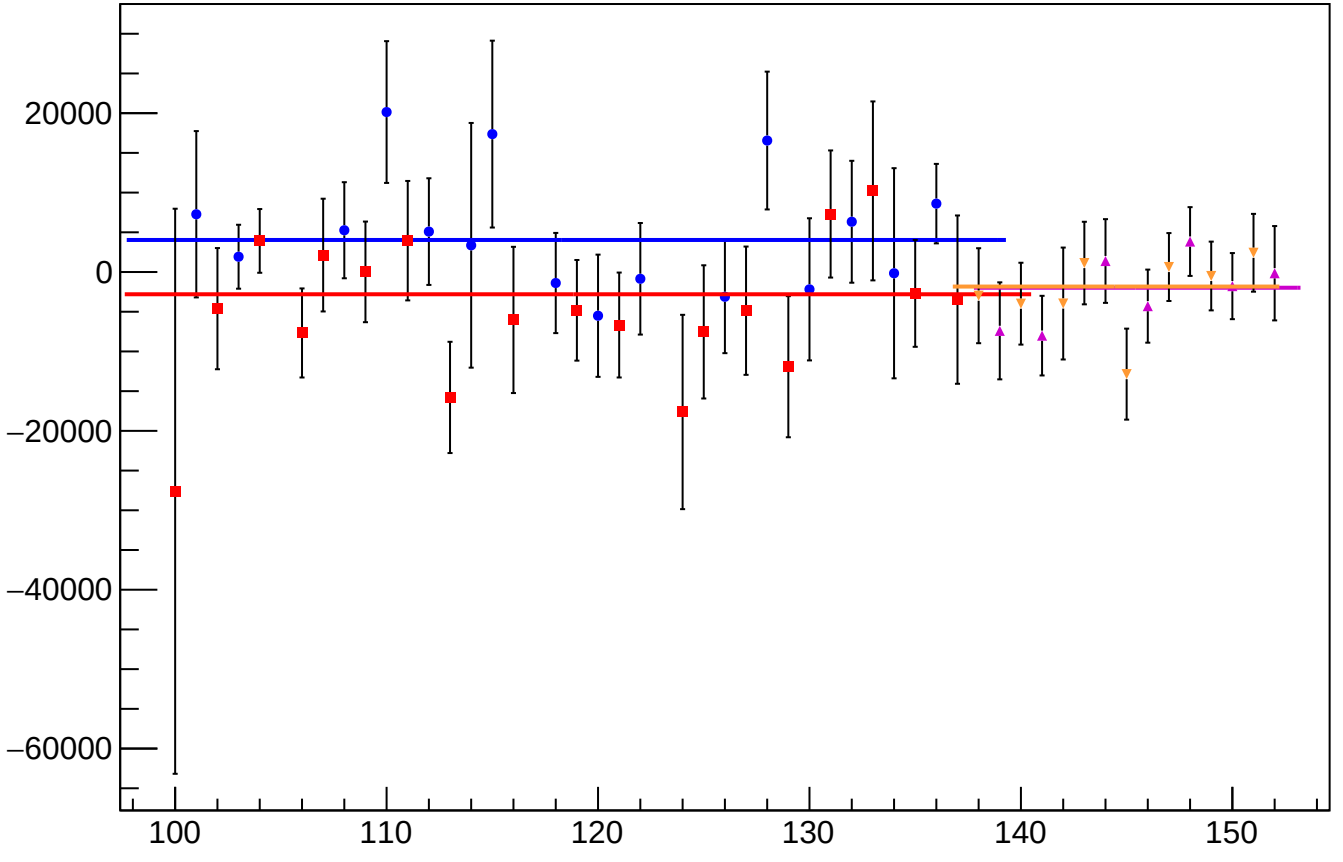
Left In: 4351.401+/-1.259 χ^2/NDF:262438.3/6

+ sign 4360.469+/-0.856 χ^2/NDF: 668992.4/23

All: 4024.720+/-0.571 χ^2/NDF: 3888899.4/49

- sign 3756.081+/-0.766 χ^2/NDF: 2942915.2/25

asym_atr_avg_mean vs Slug



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -1830.611+/-1816.620 χ^2/NDF:5.5/7

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

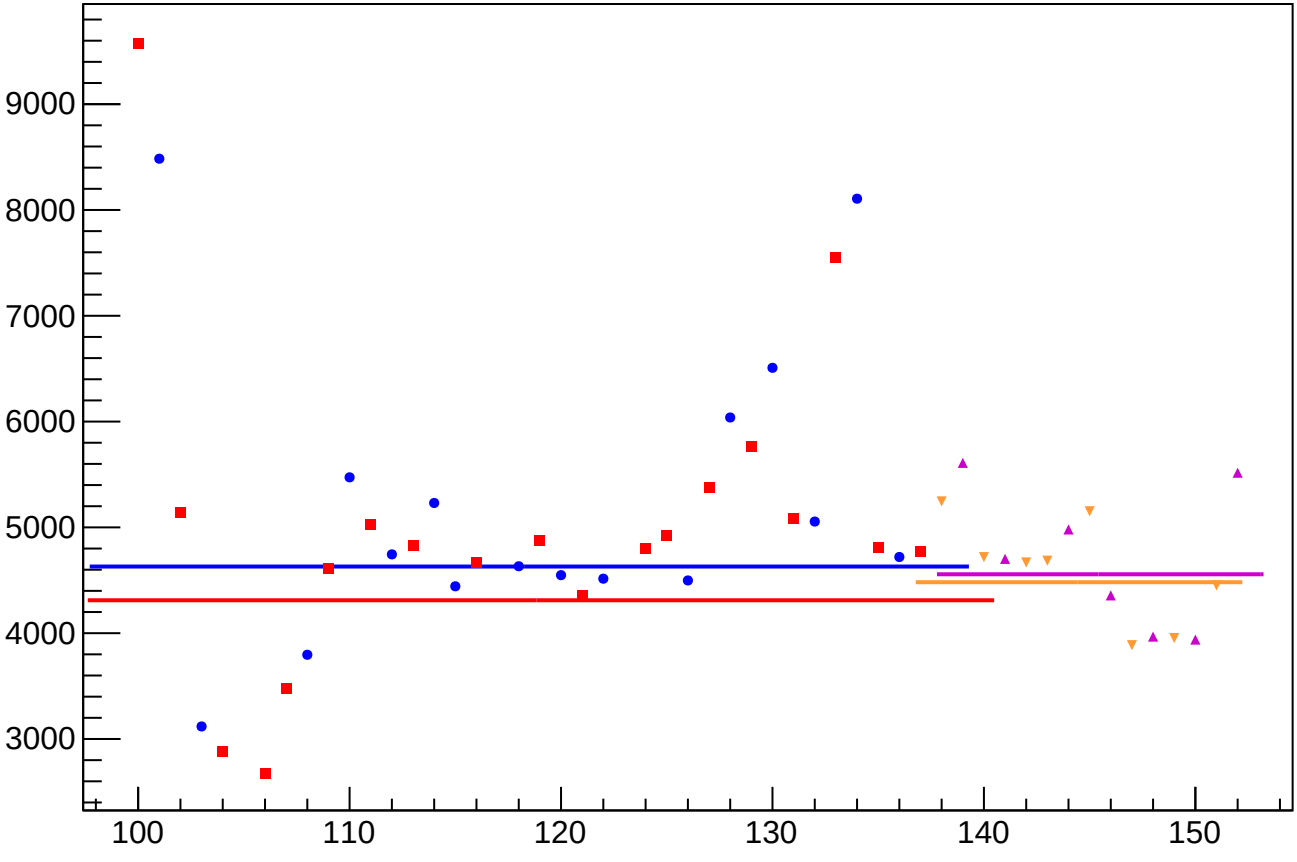
Left In: -1978.693+/-1859.335 χ^2/NDF:4.8/6

+ sign 1158.351+/-1272.139 χ^2/NDF: 23.2/23

All: -678.697+/-889.131 χ^2/NDF: 47.6/49

- sign -2433.127+/-1243.203 χ^2/NDF: 20.3/25

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4481.802+/-1.285 χ^2/NDF:137212.1/7

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

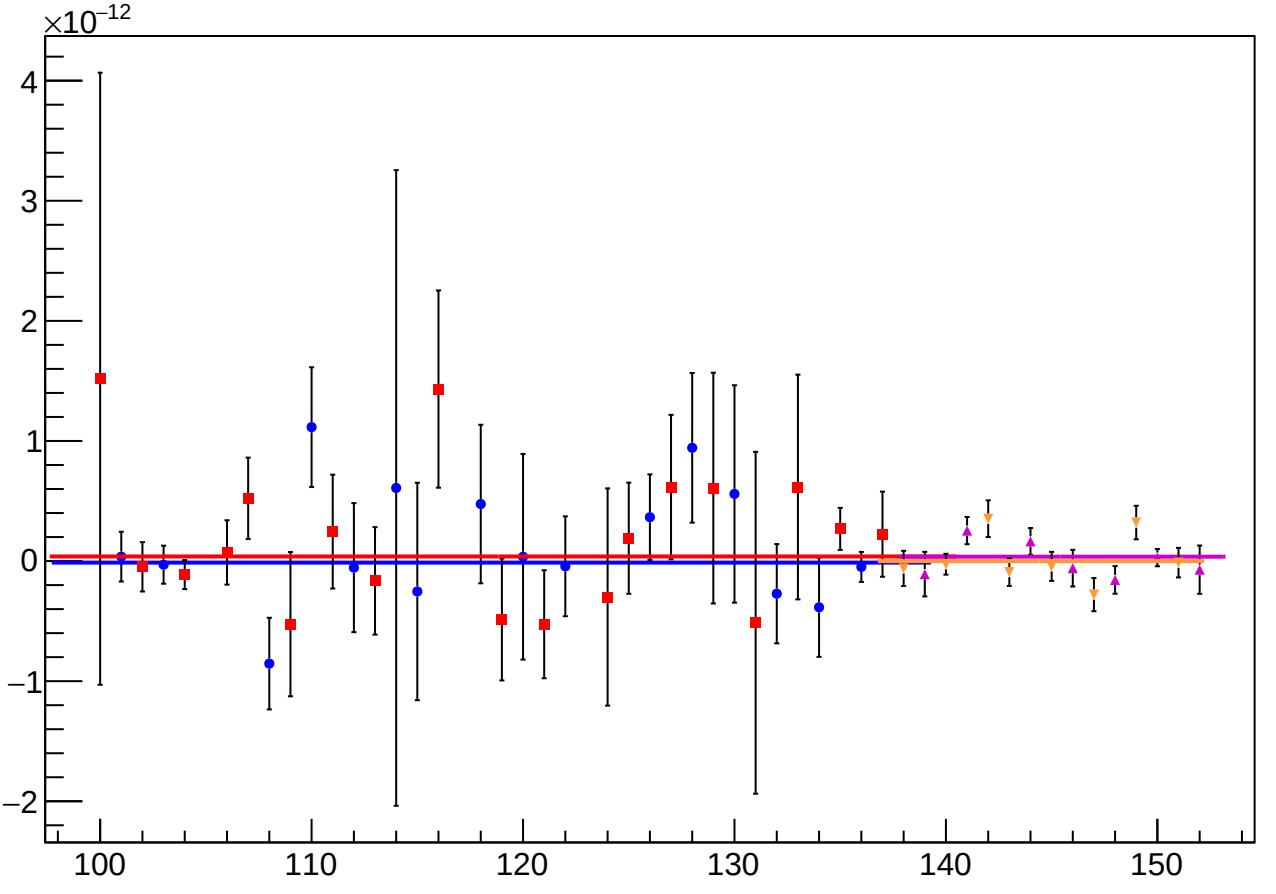
Left In: 4556.836+/-1.315 χ^2/NDF:211069.8/6

+ sign 4557.308+/-0.900 χ^2/NDF: 1044238.5/23

All: 4486.729+/-0.627 χ^2/NDF: 2191472.5/49

- sign 4419.971+/-0.875 χ^2/NDF: 1135254.7/25

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:15.7/7

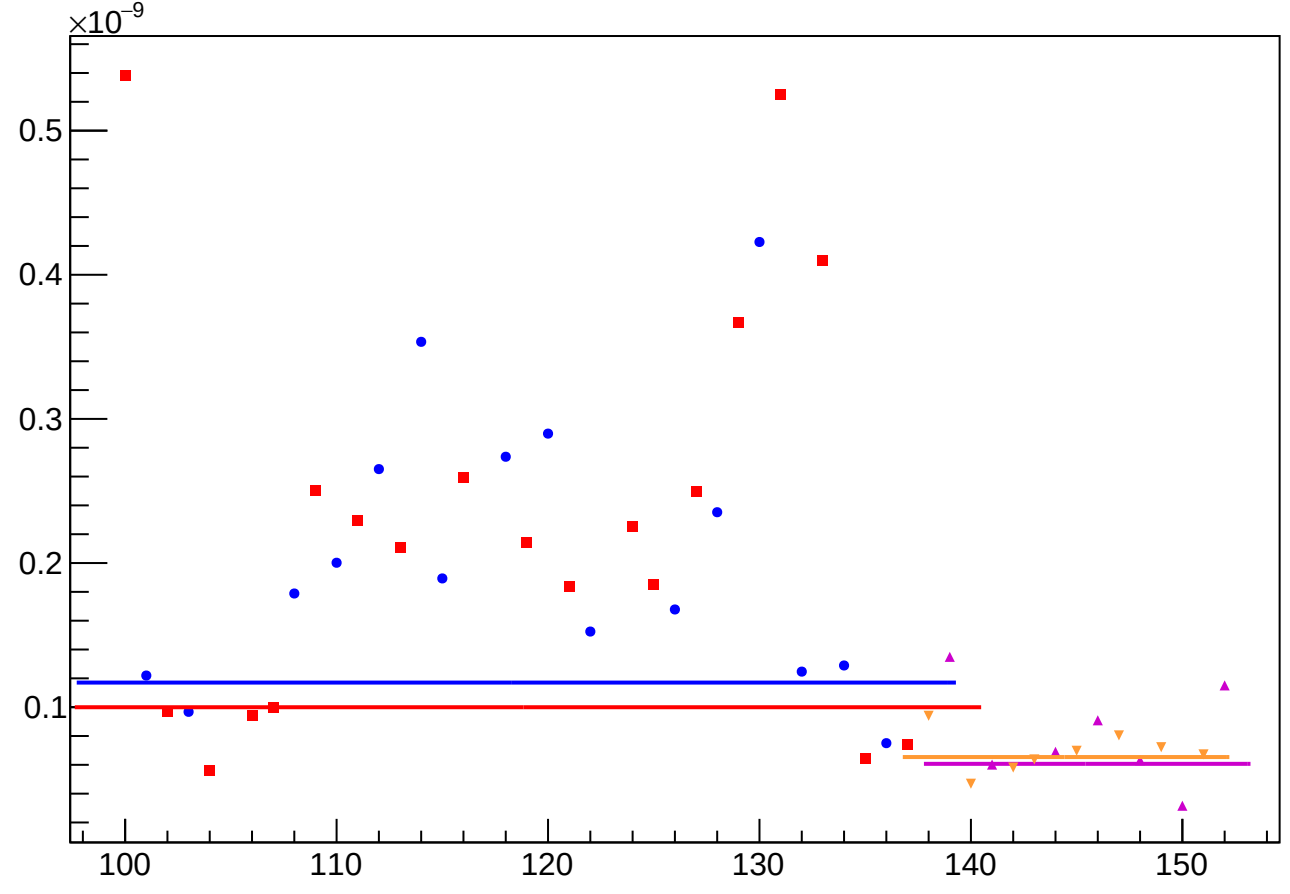
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/23

All: 0.000+/-0.000 χ^2/NDF: 56.3/49

- sign 0.000+/-0.000 χ^2/NDF: 24.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:204014.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

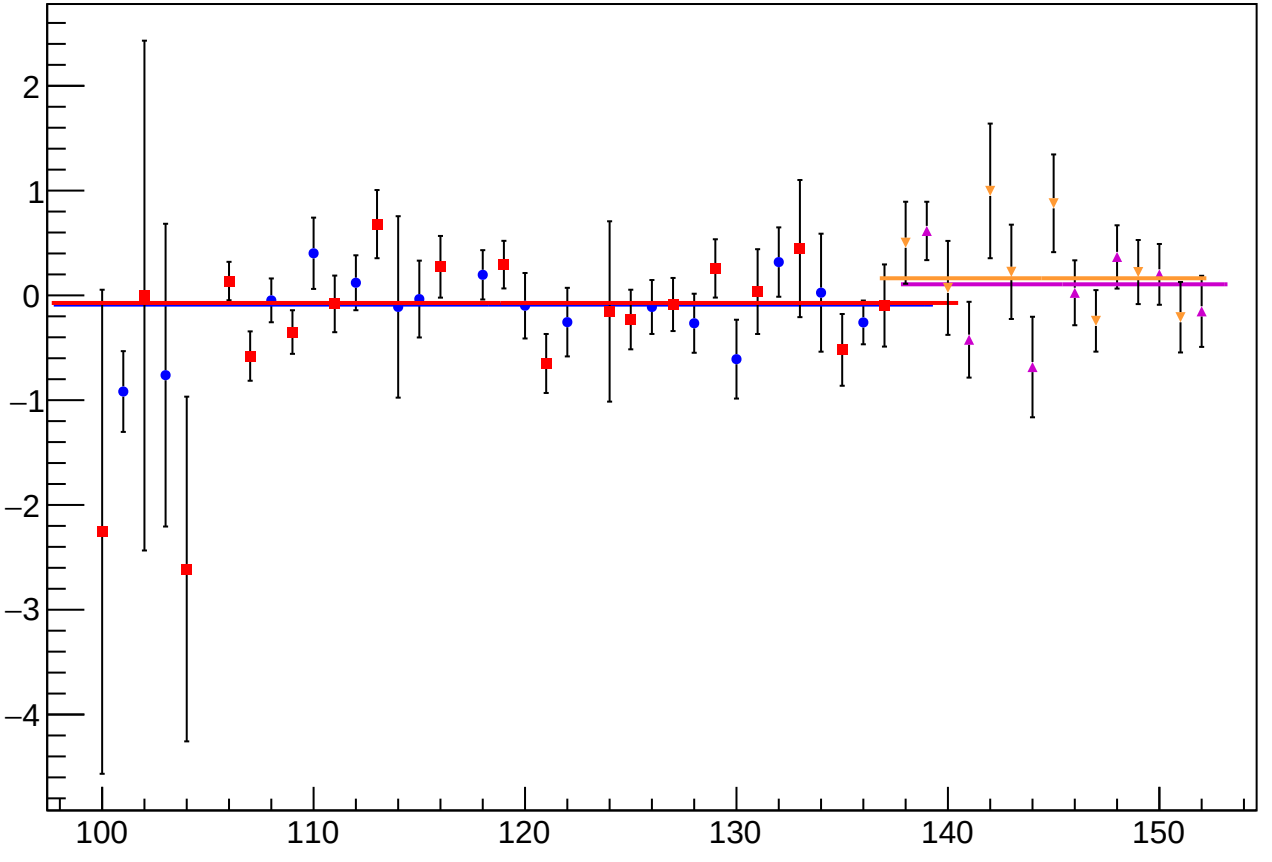
Left In: 0.000+/-0.000 χ^2/NDF:884285.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 2011109.0/23

All: 0.000+/-0.000 χ^2/NDF: 5204091.8/49

- sign 0.000+/-0.000 χ^2/NDF: 3157490.9/25

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.163+/-0.135 χ^2/NDF:8.0/7

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

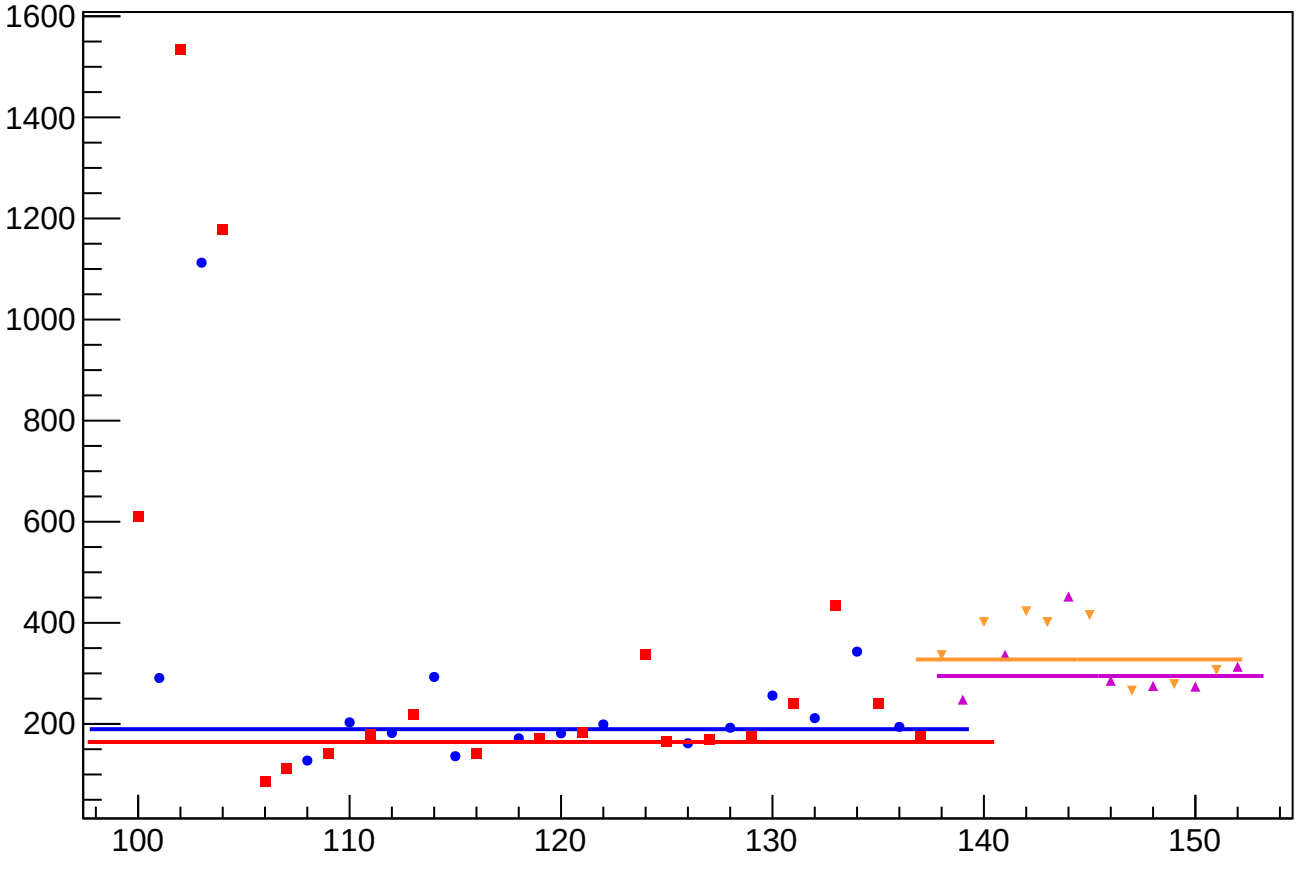
Left In: 0.106+/-0.122 χ^2/NDF:9.7/6

\+ sign -0.027+/-0.067 χ^2/NDF: 24.5/23

All: -0.028+/-0.045 χ^2/NDF: 64.4/49

\- sign -0.028+/-0.061 χ^2/NDF: 39.9/25

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 327.528+/-0.096 χ^2/NDF:371220.1/7

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

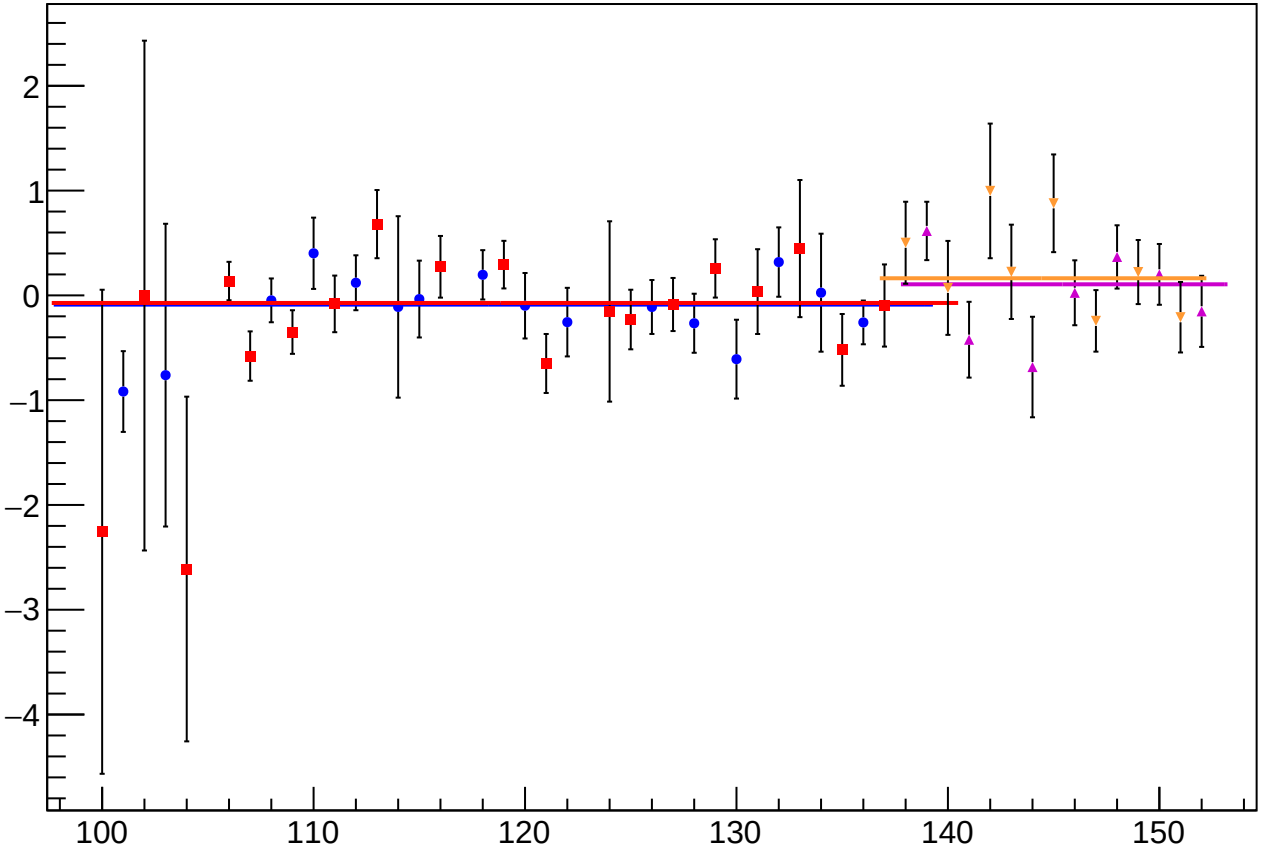
Left In: 294.817+/-0.086 χ^2/NDF:324158.3/6

+ sign 223.195+/-0.047 χ^2/NDF: 3407541.2/23

All: 208.589+/-0.032 χ^2/NDF: 8265369.3/49

- sign 196.494+/-0.043 χ^2/NDF: 4682906.6/25

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: 0.163+/-0.135 χ^2/NDF:8.0/7

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

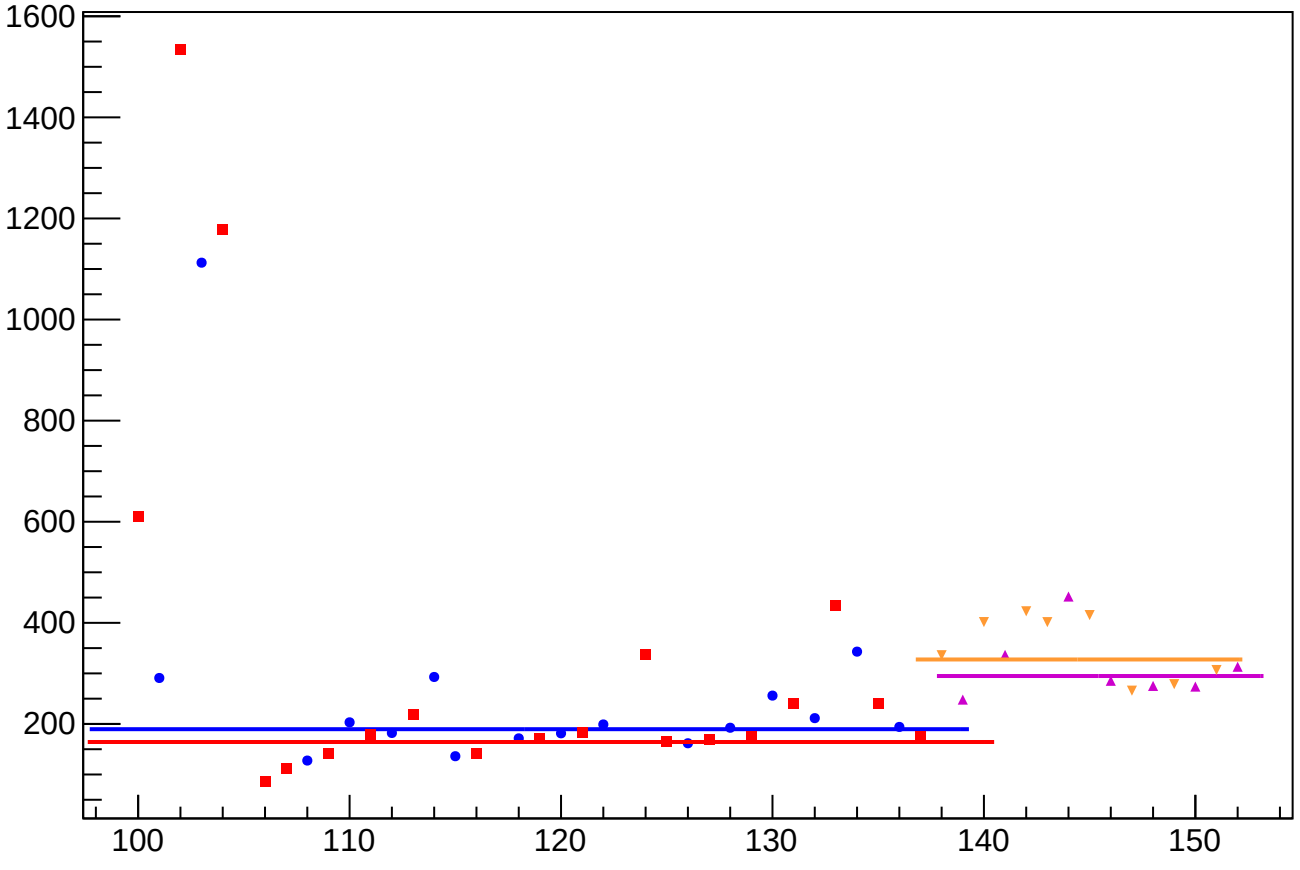
Left In: 0.106+/-0.122 χ^2/NDF:9.7/6

+ sign -0.027+/-0.067 χ^2/NDF: 24.5/23

All: -0.028+/-0.045 χ^2/NDF: 64.4/49

- sign -0.028+/-0.061 χ^2/NDF: 39.9/25

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: 327.528+/-0.096 χ^2/NDF:371220.1/7

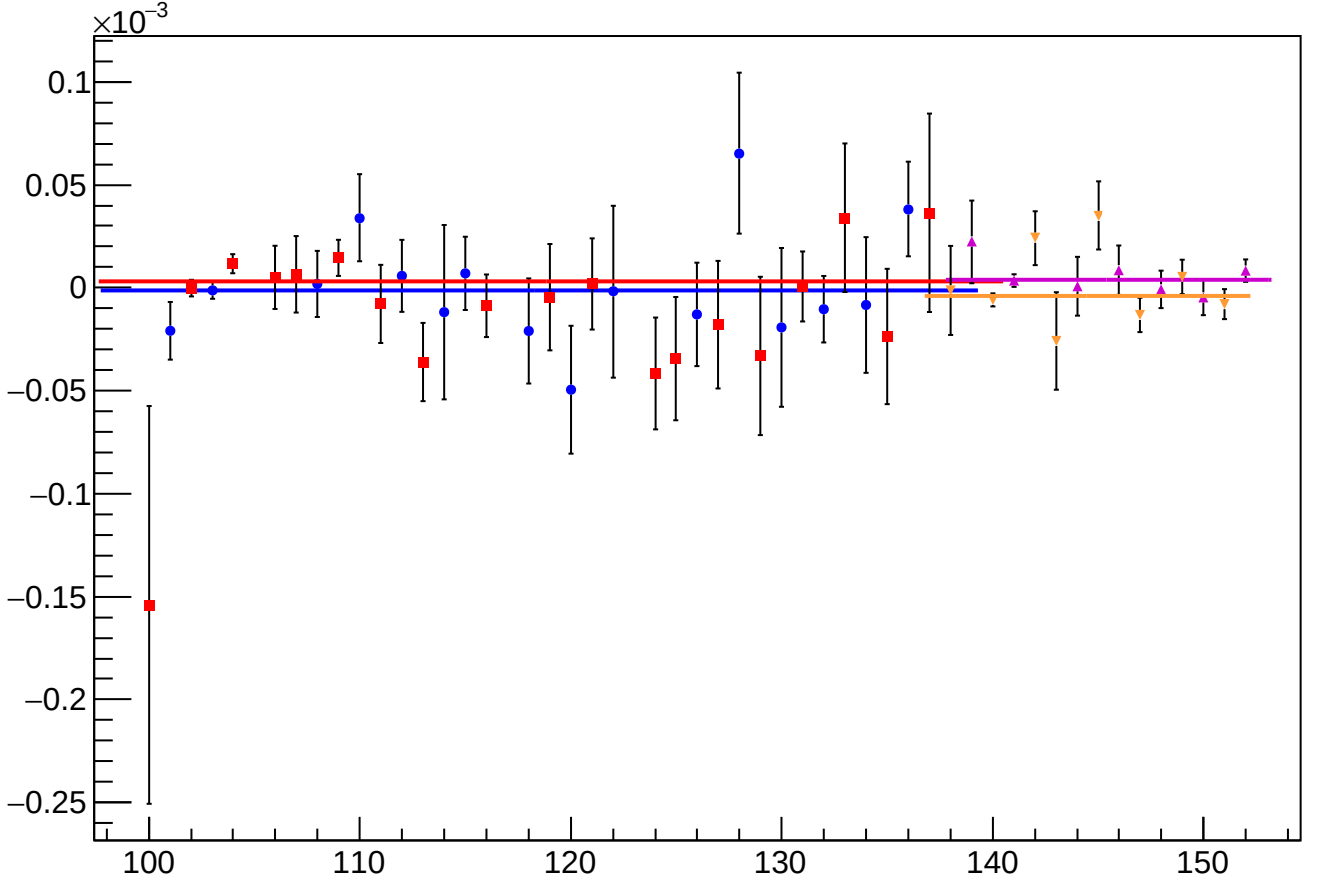
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 294.817+/-0.086 χ^2/NDF:324158.3/6

+ sign 223.195+/-0.047 χ^2/NDF: 3407541.2/23

All: 208.589+/-0.032 χ^2/NDF: 8265369.3/49

- sign 196.494+/-0.043 χ^2/NDF: 4682906.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

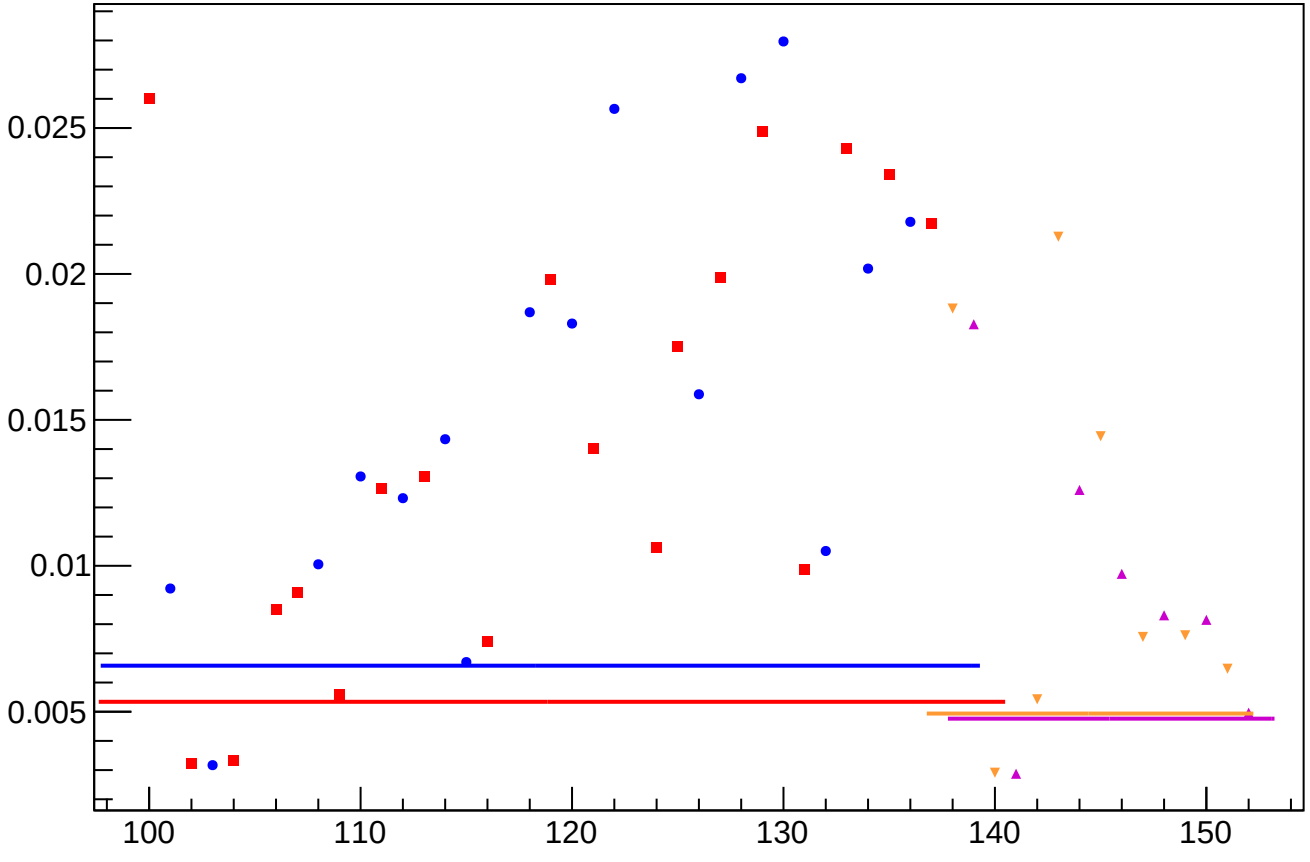
Left In: 0.000+/-0.000 χ^2/NDF:3.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 29.2/23

All: 0.000+/-0.000 χ^2/NDF: 59.6/49

- sign 0.000+/-0.000 χ^2/NDF: 24.3/25

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:3741068.1/7

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

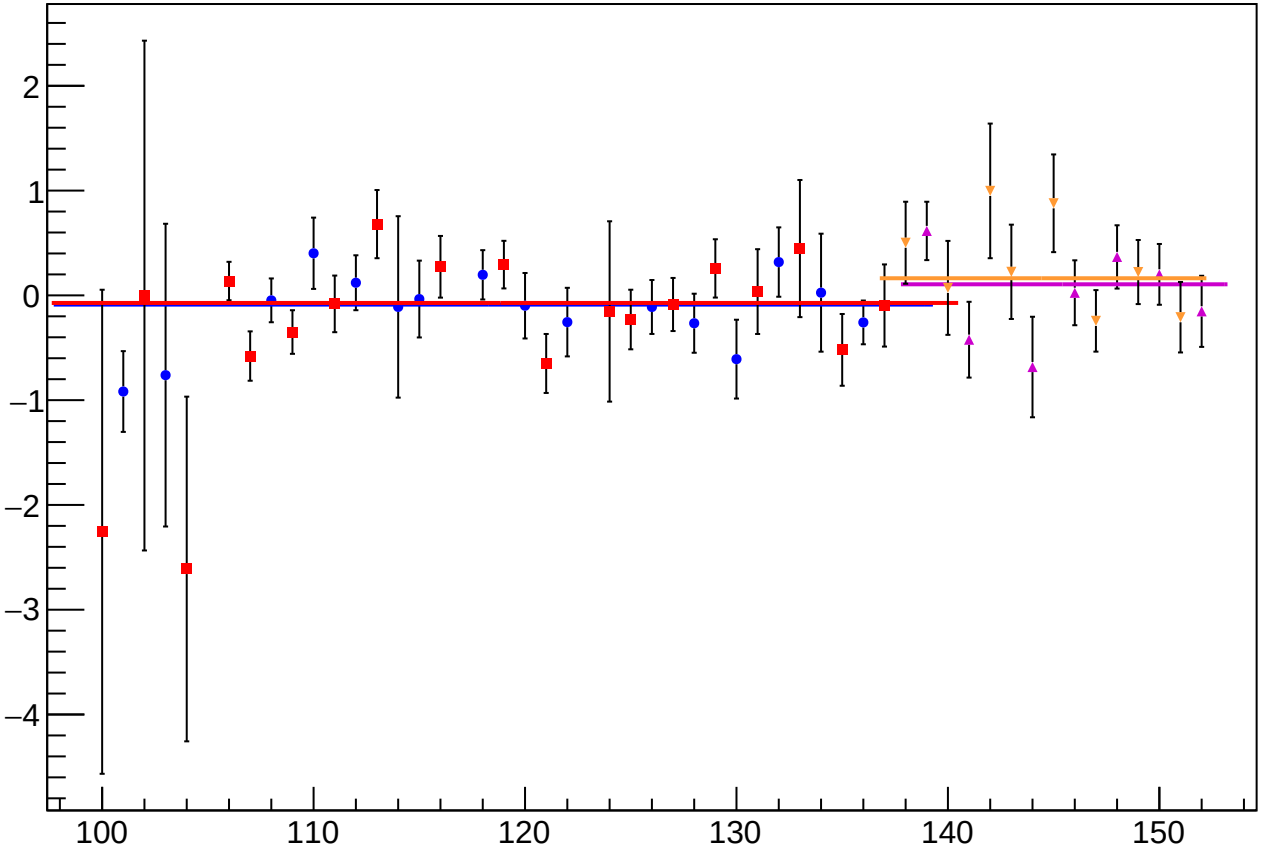
Left In: 0.005+/-0.000 χ^2/NDF:3215692.6/6

+ sign 0.006+/-0.000 χ^2/NDF: 9981747.9/23

All: 0.005+/-0.000 χ^2/NDF: 19011551.0/49

- sign 0.005+/-0.000 χ^2/NDF: 8956717.5/25

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: 0.163+/-0.135 χ^2/NDF:8.0/7

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

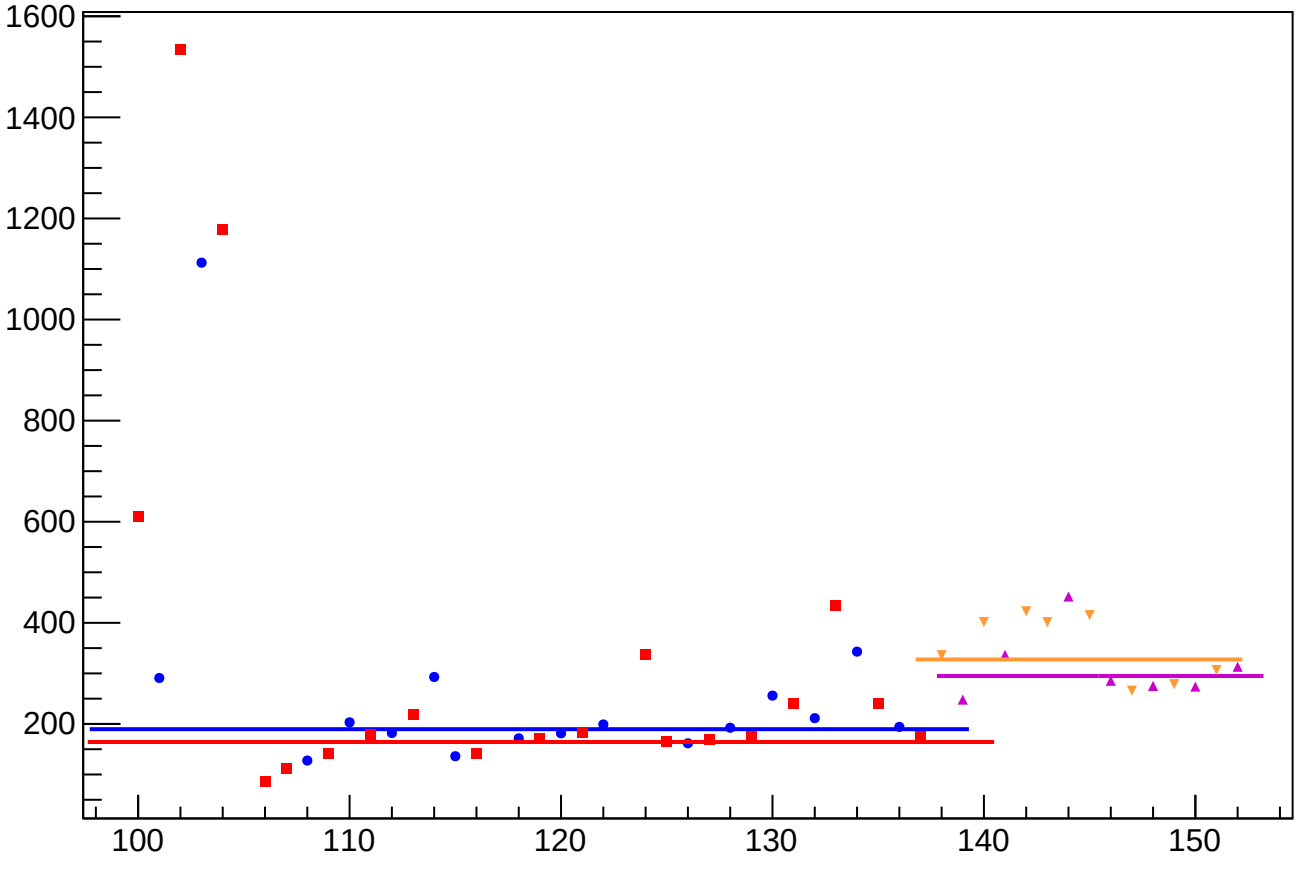
Left In: 0.106+/-0.122 χ^2/NDF:9.7/6

+ sign -0.027+/-0.067 χ^2/NDF: 24.5/23

All: -0.028+/-0.045 χ^2/NDF: 64.4/49

- sign -0.028+/-0.061 χ^2/NDF: 39.9/25

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: 327.532+/-0.096 χ^2/NDF:371206.8/7

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

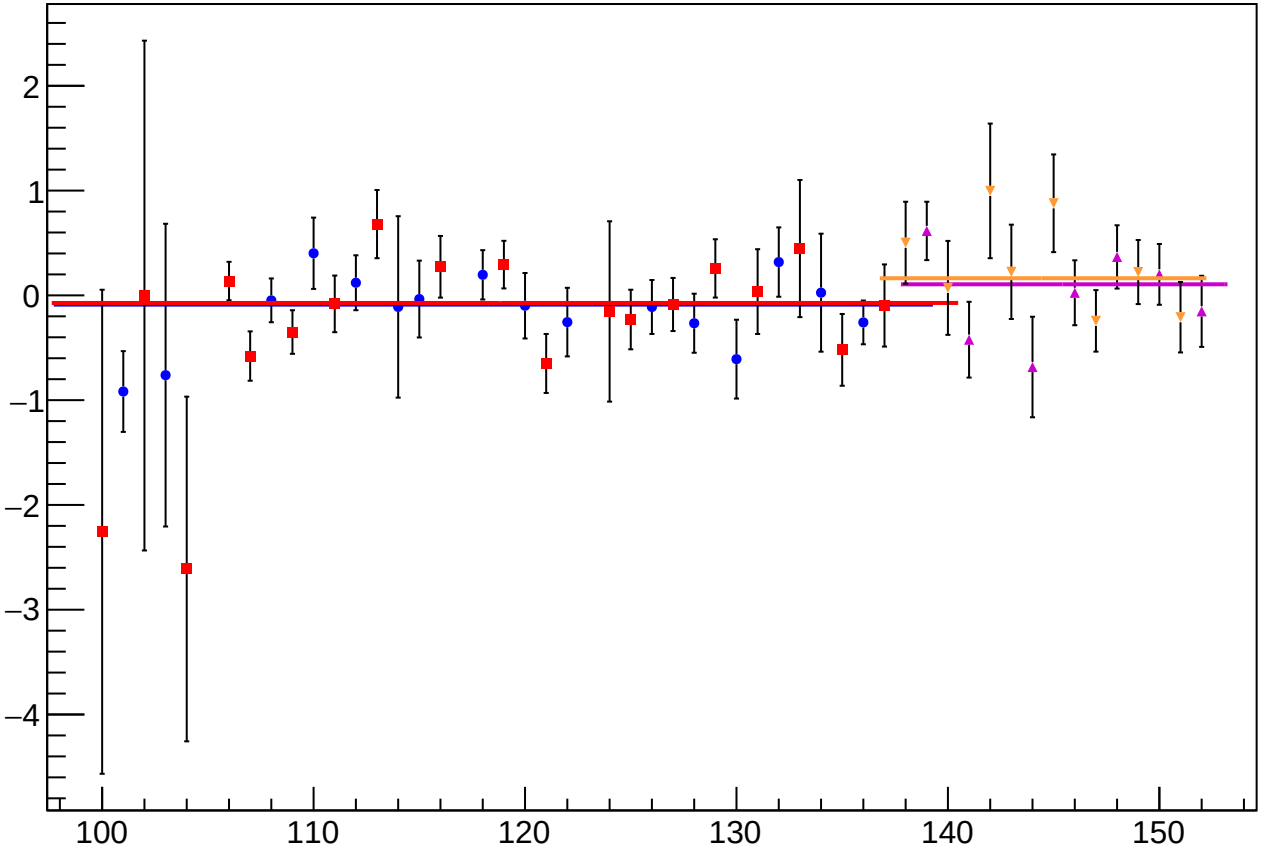
Left In: 294.821+/-0.087 χ^2/NDF:324141.5/6

+ sign 223.195+/-0.047 χ^2/NDF: 3407607.8/23

All: 208.589+/-0.032 χ^2/NDF: 8265494.2/49

- sign 196.494+/-0.043 χ^2/NDF: 4682962.7/25

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.163+/-0.135 χ^2/NDF:8.0/7

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

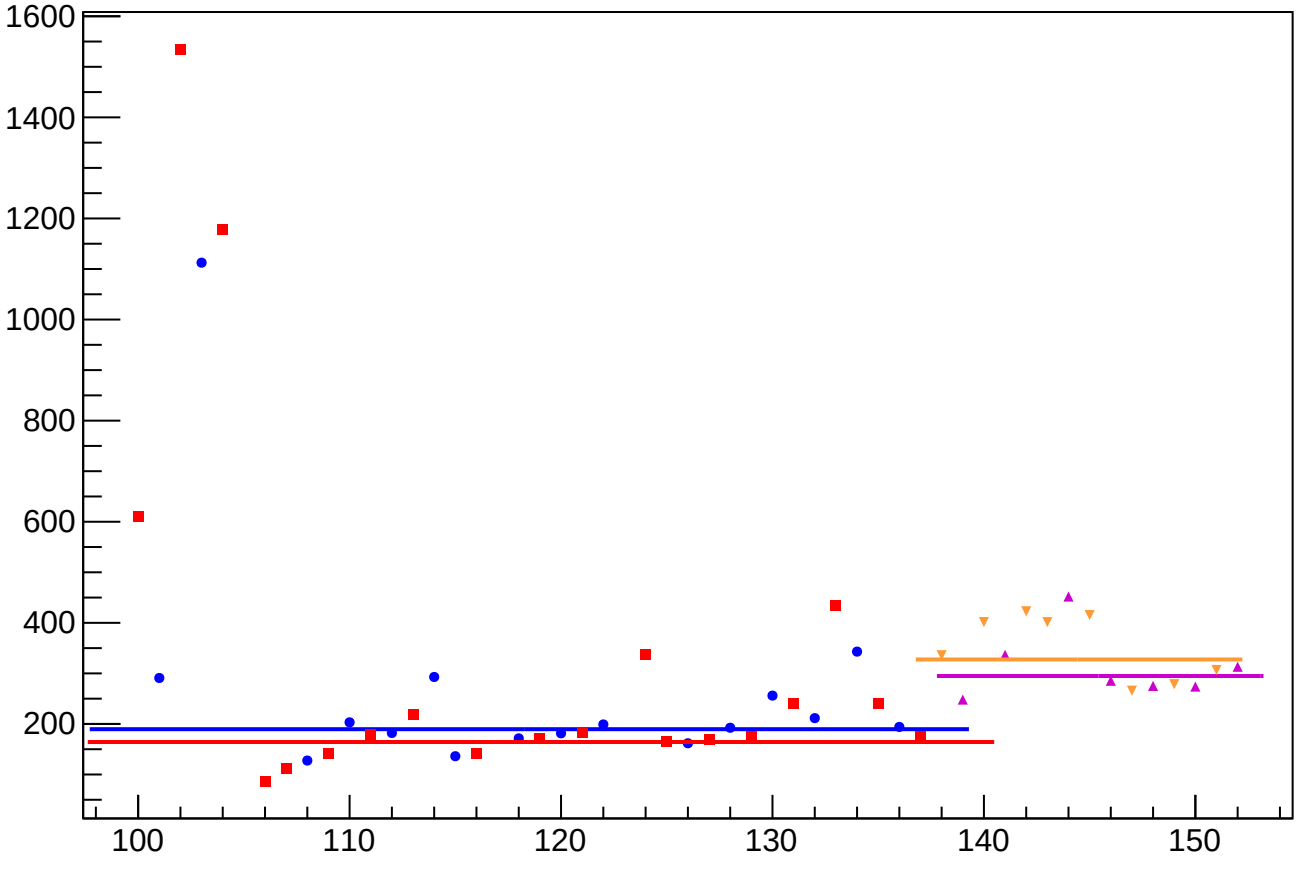
Left In: 0.106+/-0.122 χ^2/NDF:9.7/6

+ sign -0.027+/-0.067 χ^2/NDF: 24.5/23

All: -0.028+/-0.045 χ^2/NDF: 64.4/49

- sign -0.028+/-0.061 χ^2/NDF: 39.9/25

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: 327.532+/-0.096 χ^2/NDF:371206.8/7

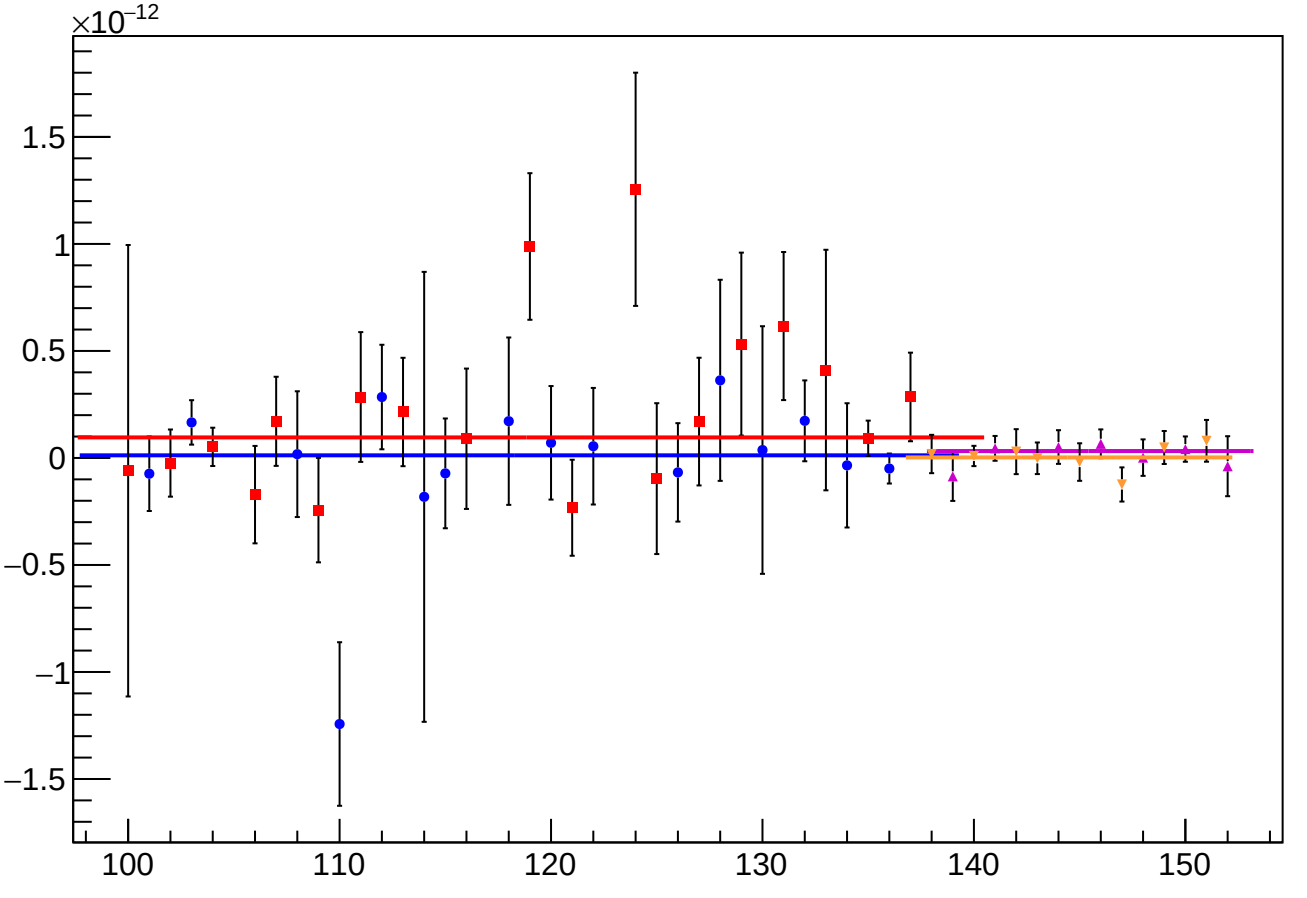
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 294.821+/-0.087 χ^2/NDF:324141.5/6

+ sign 223.195+/-0.047 χ^2/NDF: 3407607.8/23

All: 208.589+/-0.032 χ^2/NDF: 8265494.2/49

- sign 196.494+/-0.043 χ^2/NDF: 4682962.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

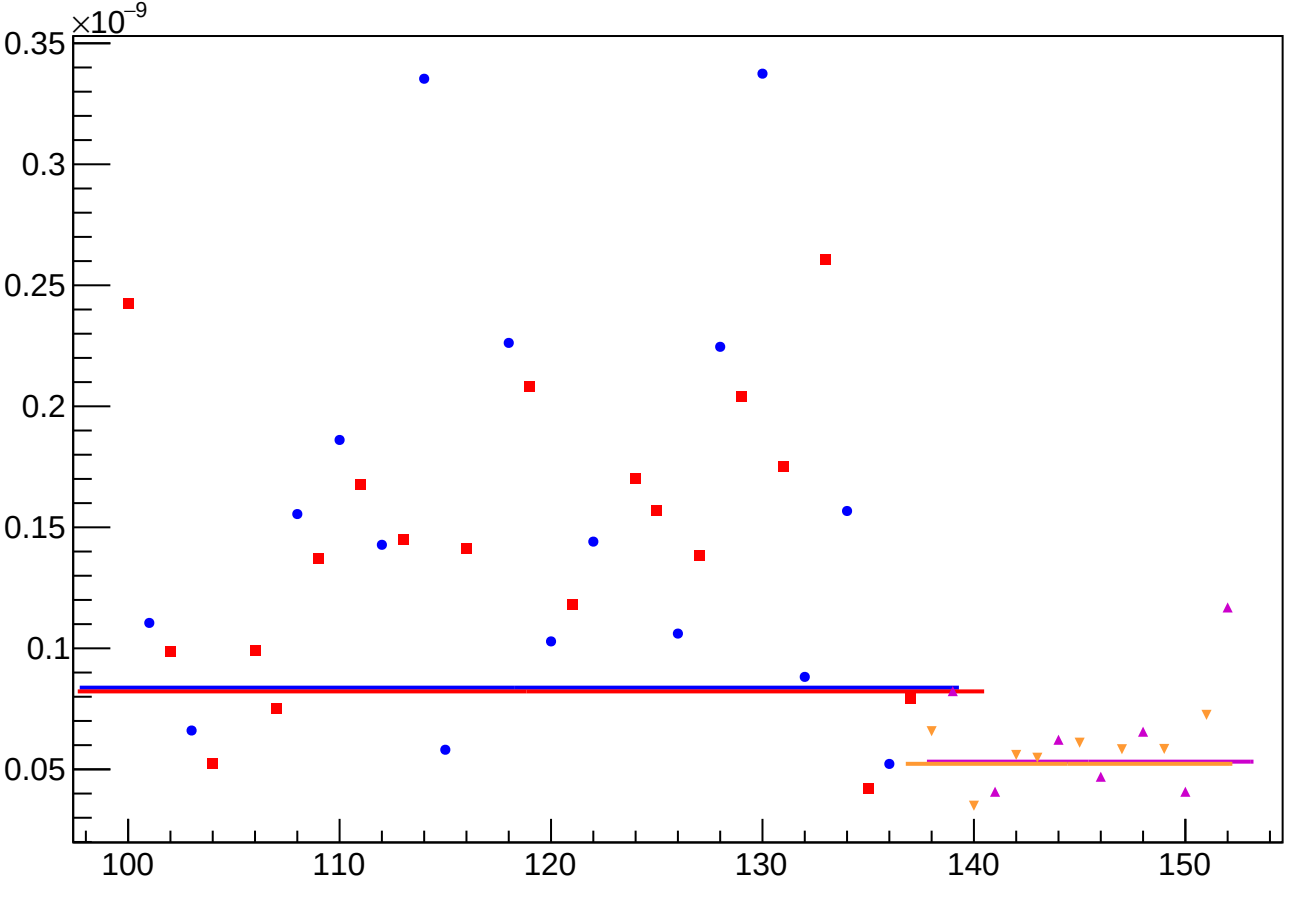
Left In: 0.000+/-0.000 χ^2/NDF:1.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 20.8/23

All: 0.000+/-0.000 χ^2/NDF: 49.1/49

- sign 0.000+/-0.000 χ^2/NDF: 26.4/25

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:446710.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

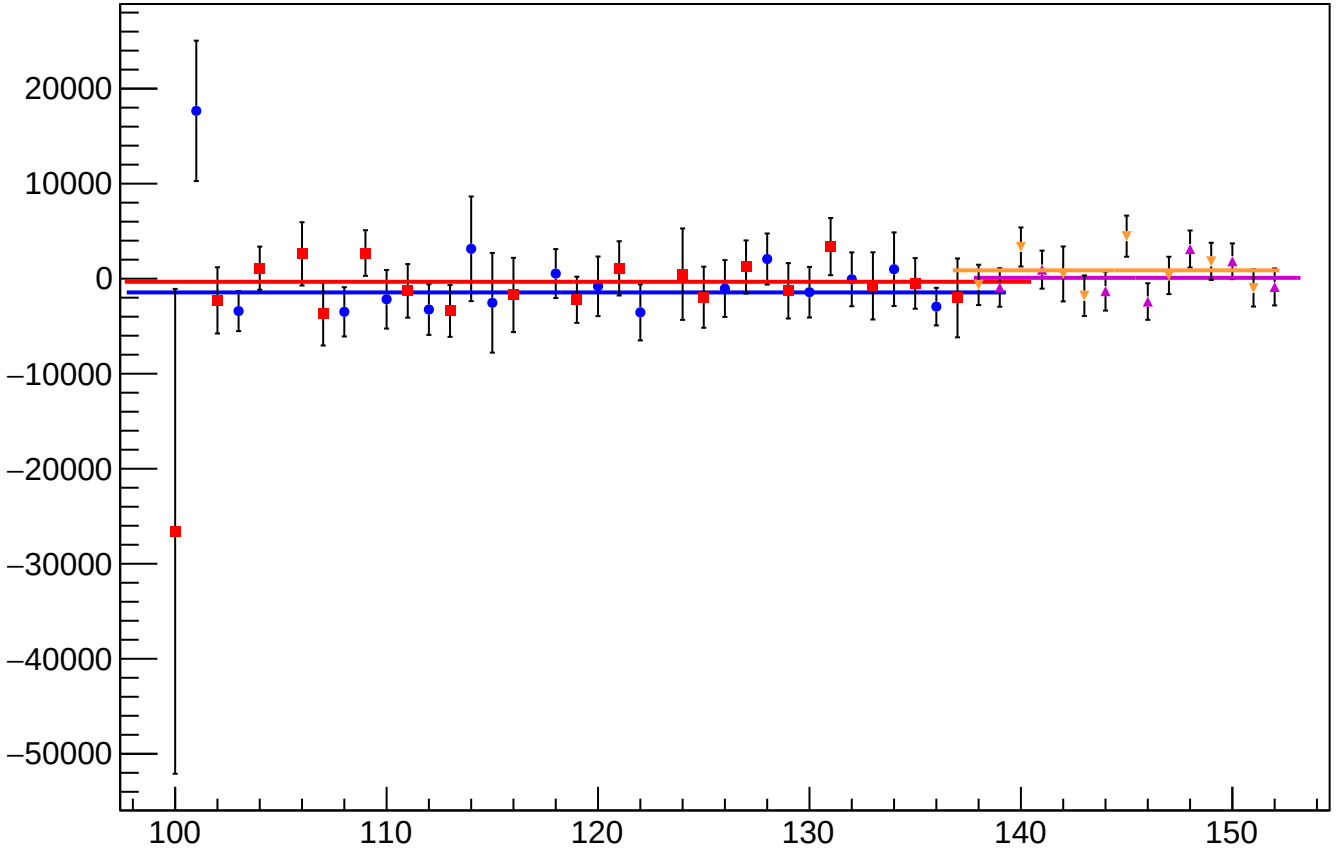
Left In: 0.000+/-0.000 χ^2/NDF:808173.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 3265931.3/23

All: 0.000+/-0.000 χ^2/NDF: 6947393.0/49

- sign 0.000+/-0.000 χ^2/NDF: 3678688.4/25

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 880.362+/-746.426 χ^2/NDF:7.5/7

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

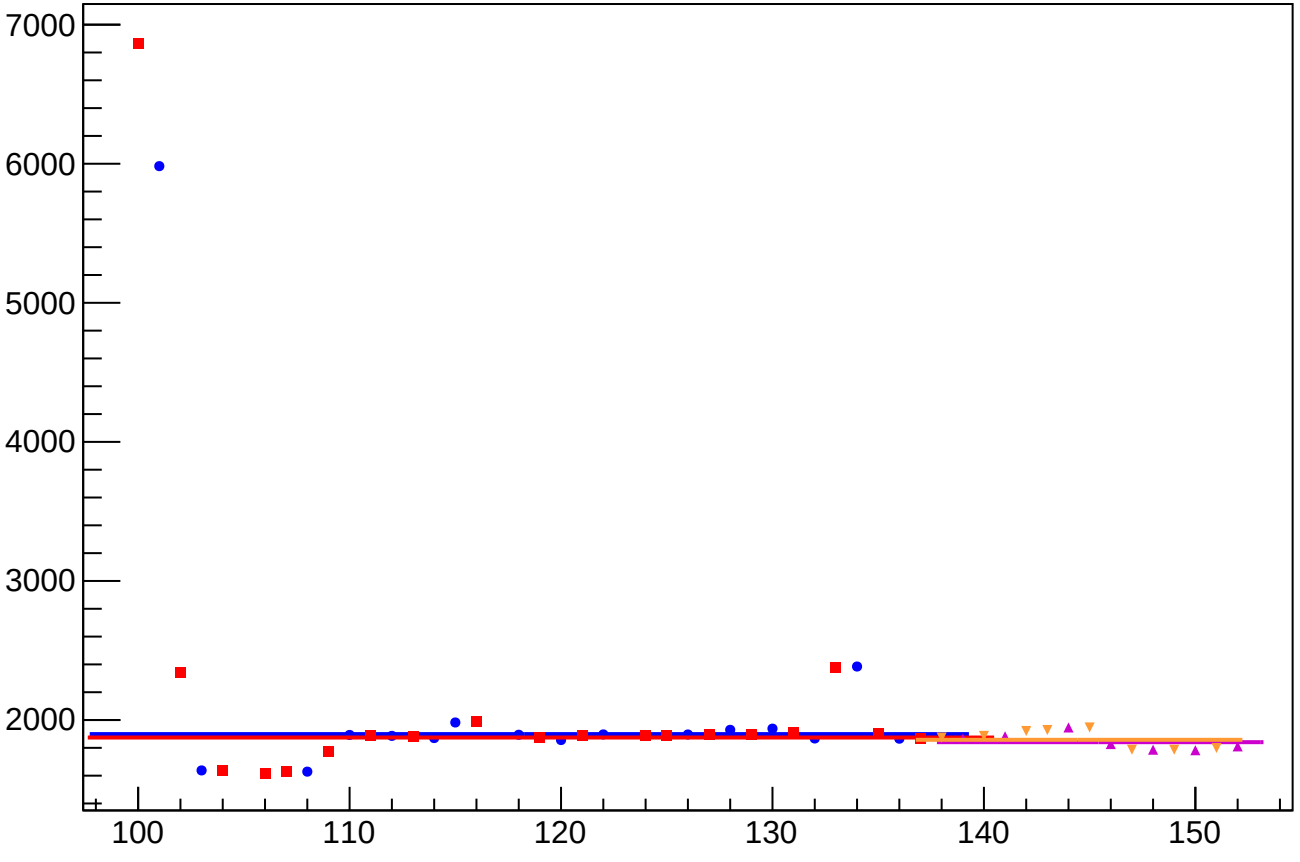
Left In: 89.247+/-743.243 χ^2/NDF:6.1/6

+ sign -319.954+/-519.375 χ^2/NDF: 26.0/23

All: -223.346+/-364.110 χ^2/NDF: 42.3/49

- sign -129.977+/-510.595 χ^2/NDF: 16.2/25

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1857.788+/-0.528 χ^2/NDF:14039.8/7

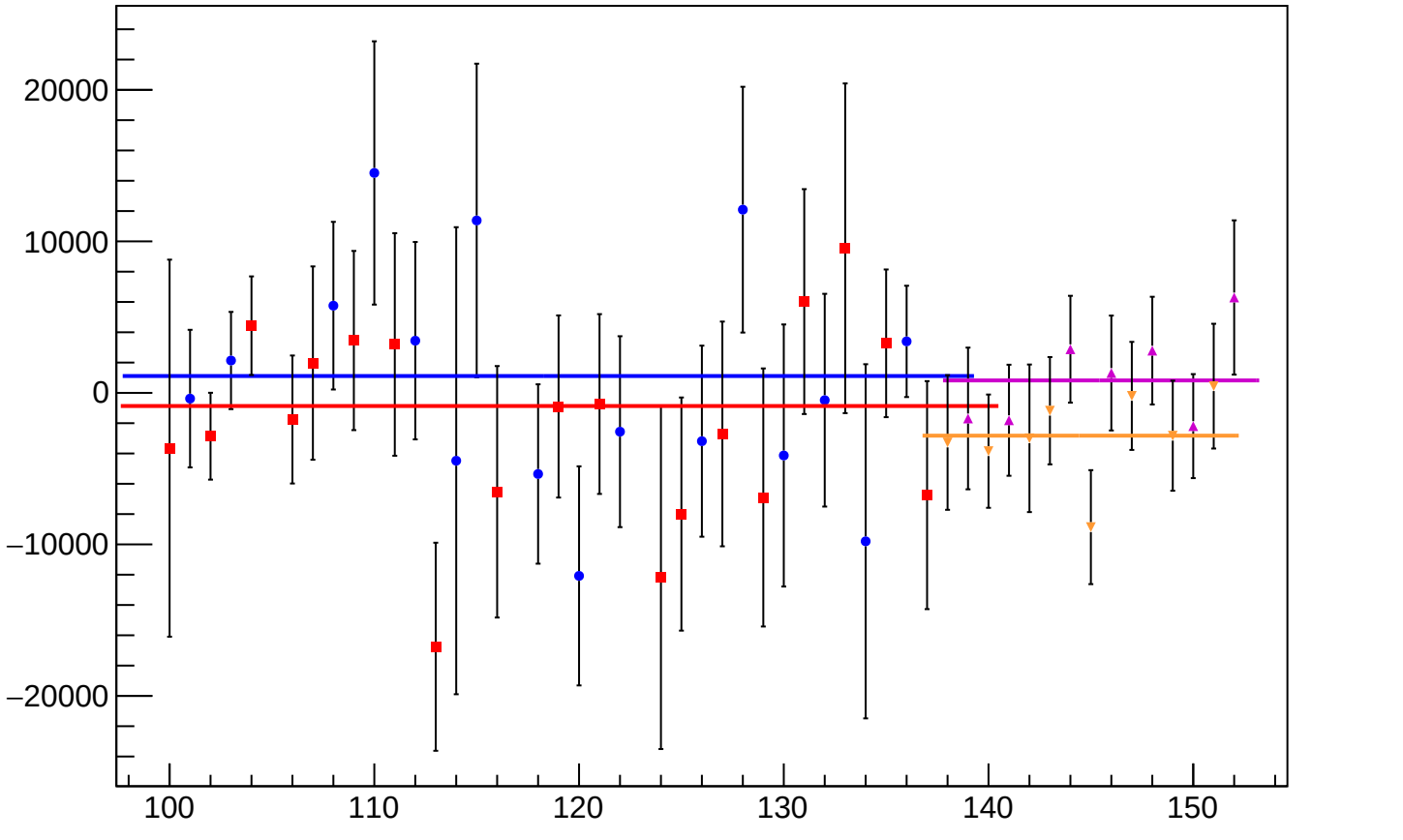
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1840.815+/-0.526 χ^2/NDF:10557.7/6

+ sign 1878.957+/-0.367 χ^2/NDF: 714672.5/23

All: 1868.550+/-0.257 χ^2/NDF: 936608.6/49

- sign 1858.527+/-0.360 χ^2/NDF: 220359.7/25



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -2823.345+/-1375.837 χ^2/NDF:4.1/7

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

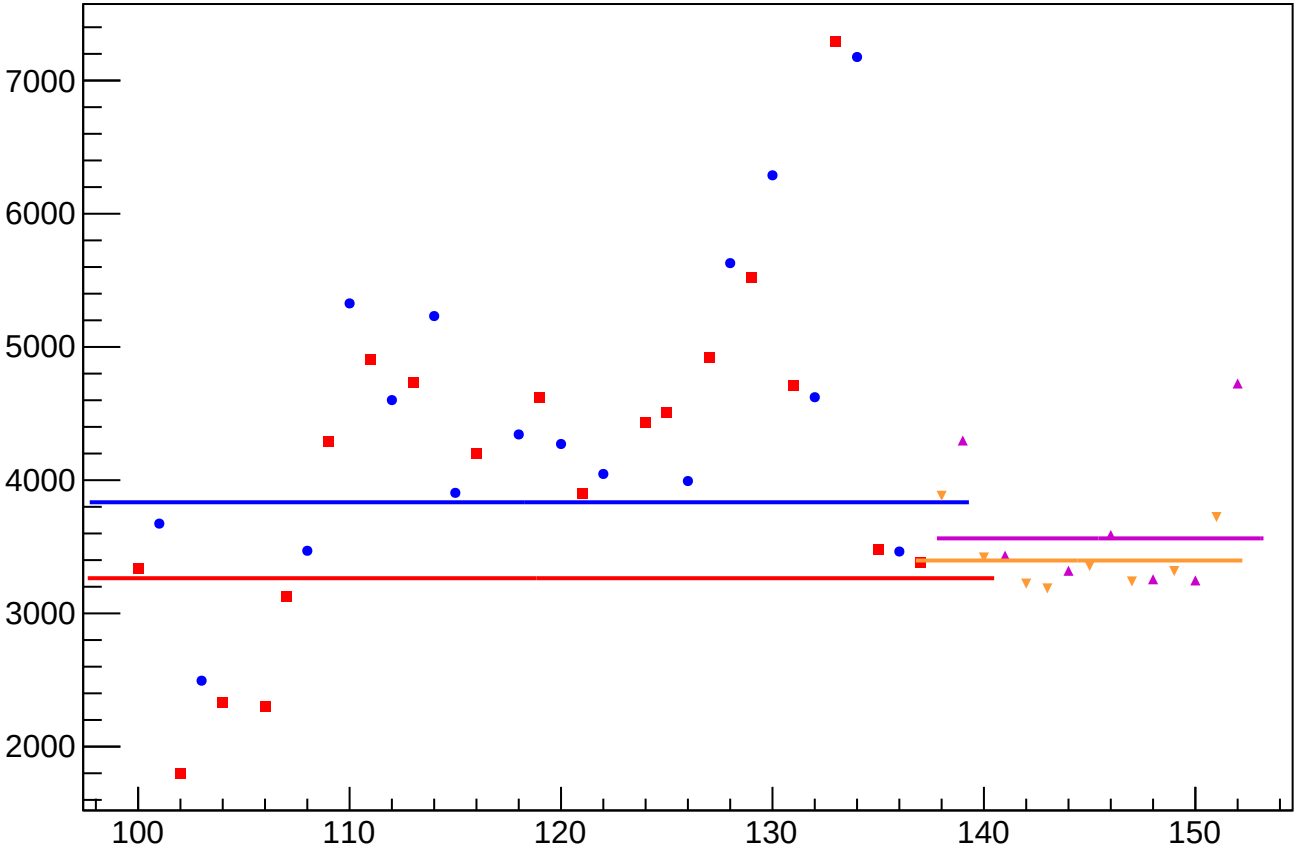
Left In: 821.824+/-1454.281 χ^2/NDF:3.4/6

\+ sign -997.720+/-1007.445 χ^2/NDF: 21.2/23

All: -539.224+/-699.575 χ^2/NDF: 41.4/49

\- sign -112.255+/-972.193 χ^2/NDF: 19.8/25

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3397.131+/-0.973 χ^2/NDF:51134.1/7

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

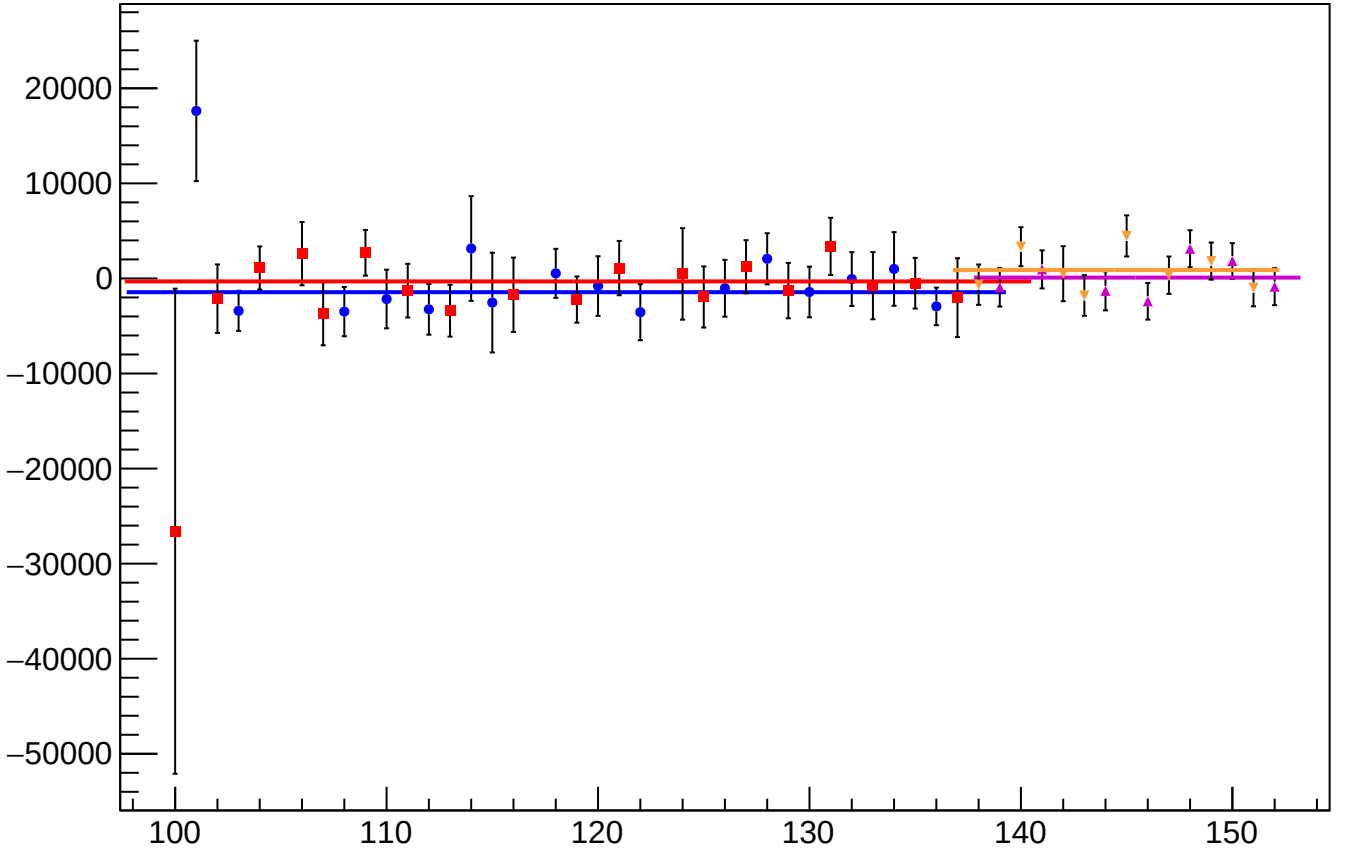
Left In: 3563.087+/-1.028 χ^2/NDF:197603.8/6

+ sign 3599.836+/-0.712 χ^2/NDF: 1101509.7/23

All: 3495.181+/-0.495 χ^2/NDF: 3251789.8/49

- sign 3397.722+/-0.687 χ^2/NDF: 2108598.6/25

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 880.469+/-746.426 χ^2/NDF:7.5/7

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

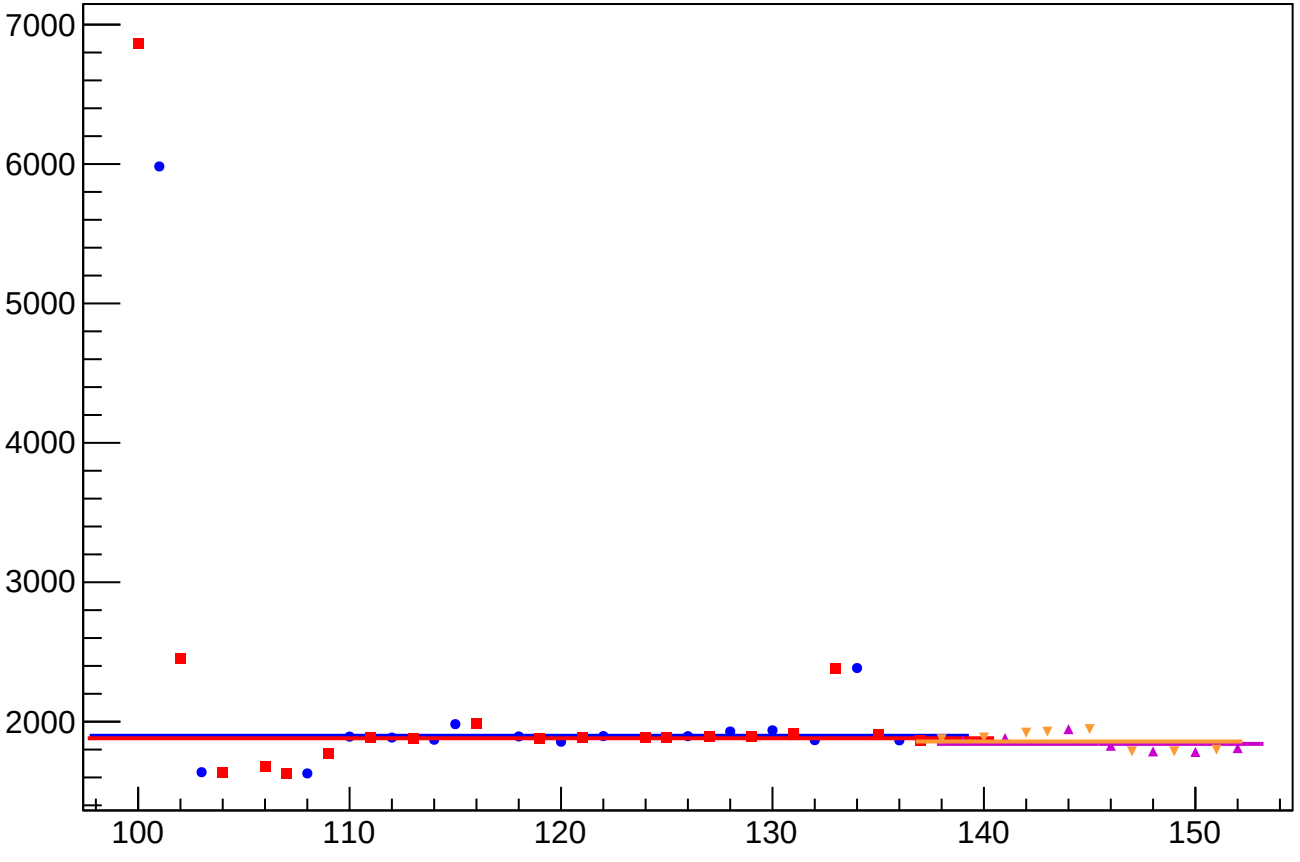
Left In: 89.178+/-743.243 χ^2/NDF:6.1/6

+ sign -320.101+/-519.375 χ^2/NDF: 26.0/23

All: -220.562+/-364.241 χ^2/NDF: 42.2/49

- sign -124.222+/-510.959 χ^2/NDF: 16.1/25

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1857.788+/-0.528 χ^2/NDF:14039.8/7

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

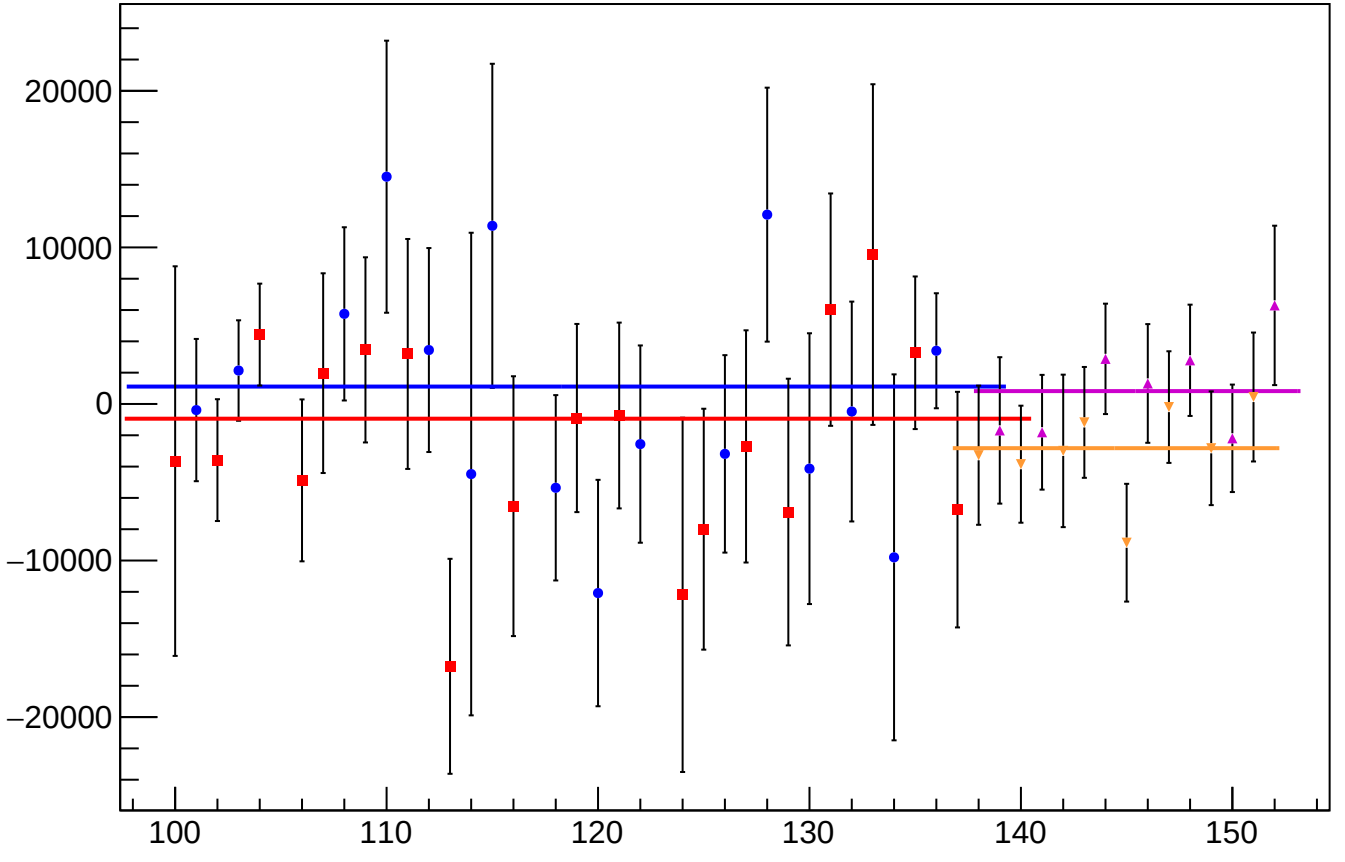
Left In: 1840.815+/-0.526 χ^2/NDF:10557.7/6

+ sign 1878.957+/-0.367 χ^2/NDF: 714672.6/23

All: 1870.355+/-0.257 χ^2/NDF: 945962.5/49

- sign 1862.042+/-0.361 χ^2/NDF: 230211.0/25

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2823.307+/-1375.836 χ^2/NDF:4.1/7

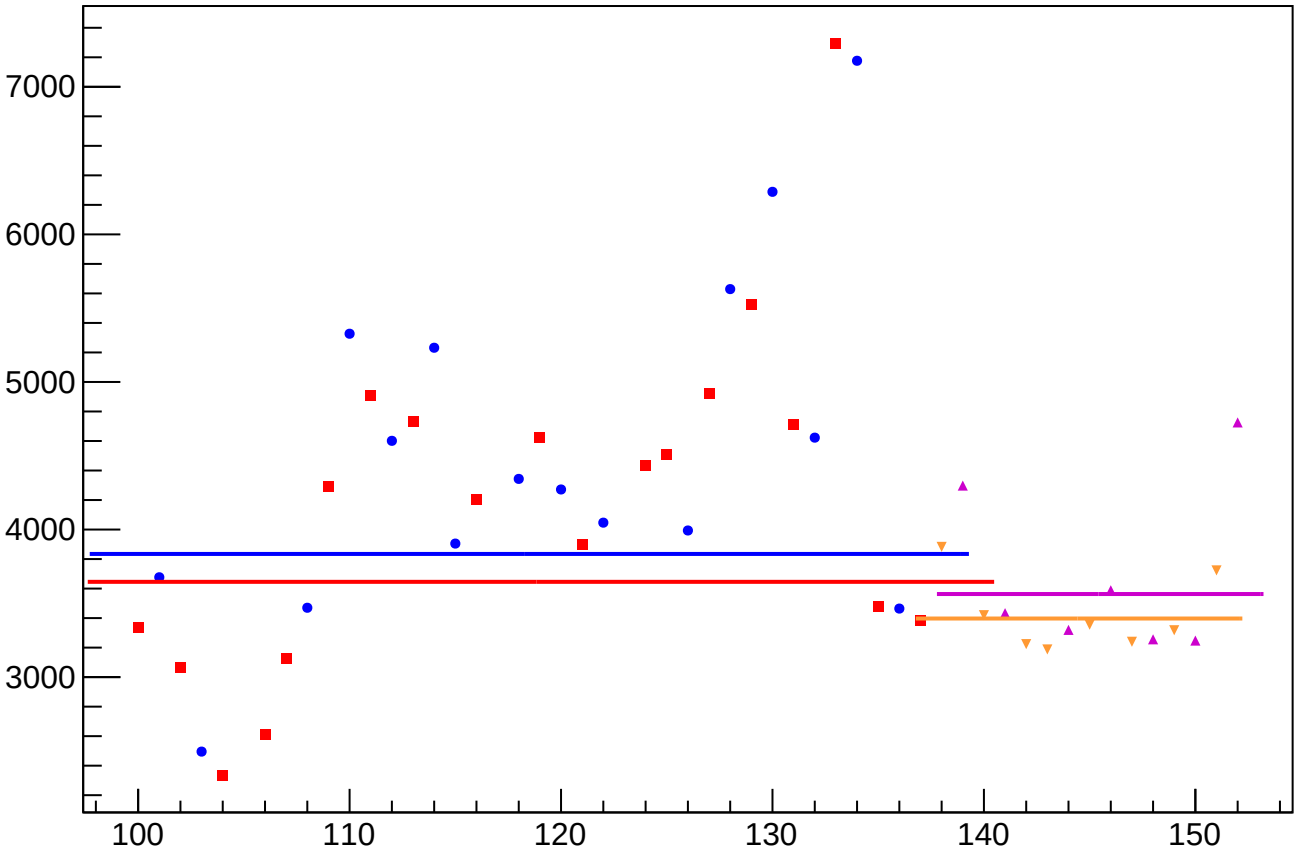
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 821.934+/-1454.278 χ^2/NDF:3.4/6

+ sign -998.473+/-1007.500 χ^2/NDF: 21.2/23

All: -546.322+/-712.663 χ^2/NDF: 42.0/49

- sign -93.529+/-1008.215 χ^2/NDF: 20.3/25



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3397.129+/-0.973 χ^2/NDF:51138.2/7

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

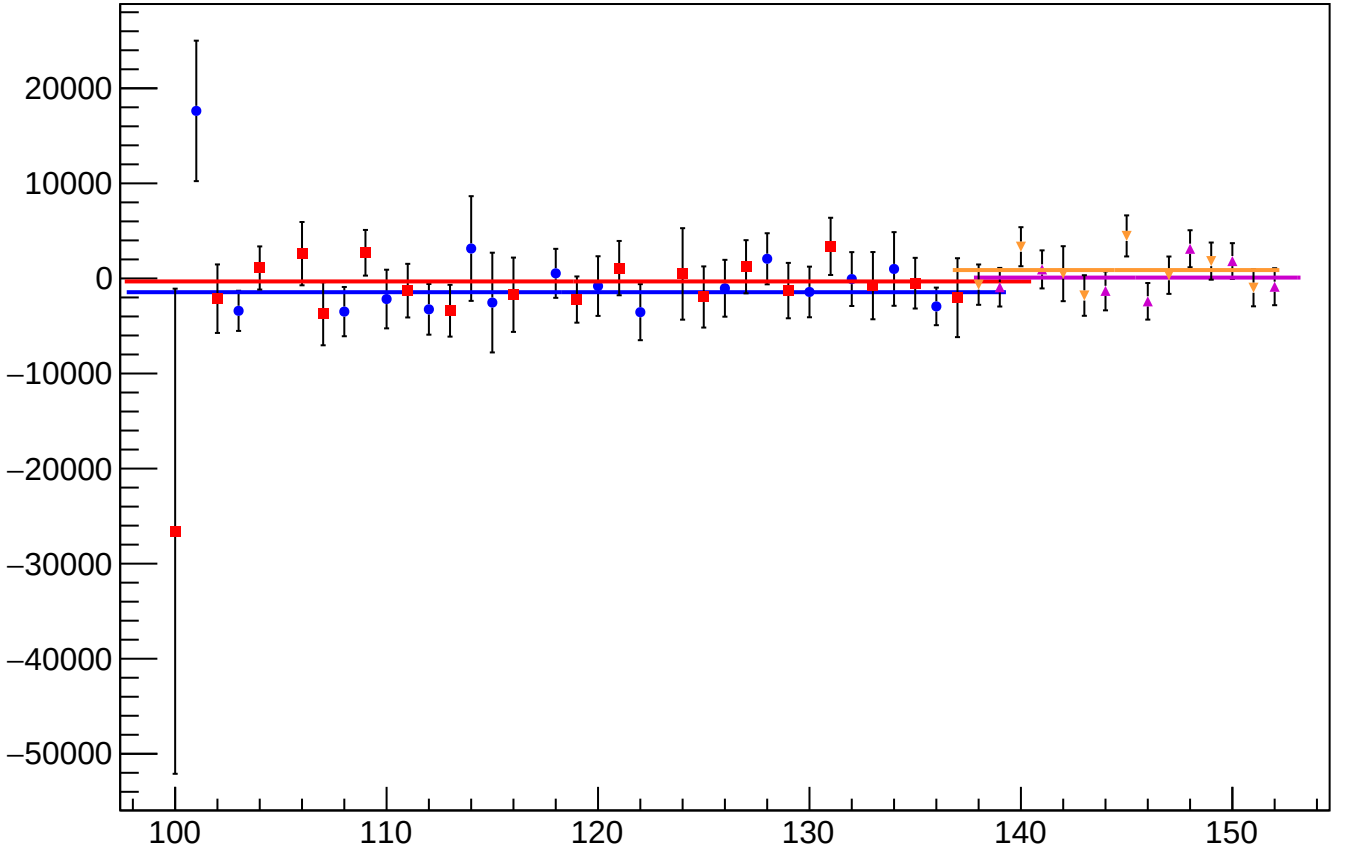
Left In: 3563.078+/-1.028 χ^2/NDF:197609.4/6

+ sign 3600.054+/-0.712 χ^2/NDF: 1101264.7/23

All: 3603.017+/-0.504 χ^2/NDF: 2427242.0/49

- sign 3605.983+/-0.713 χ^2/NDF: 1325942.7/25

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 880.469+/-746.426 χ^2/NDF:7.5/7

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

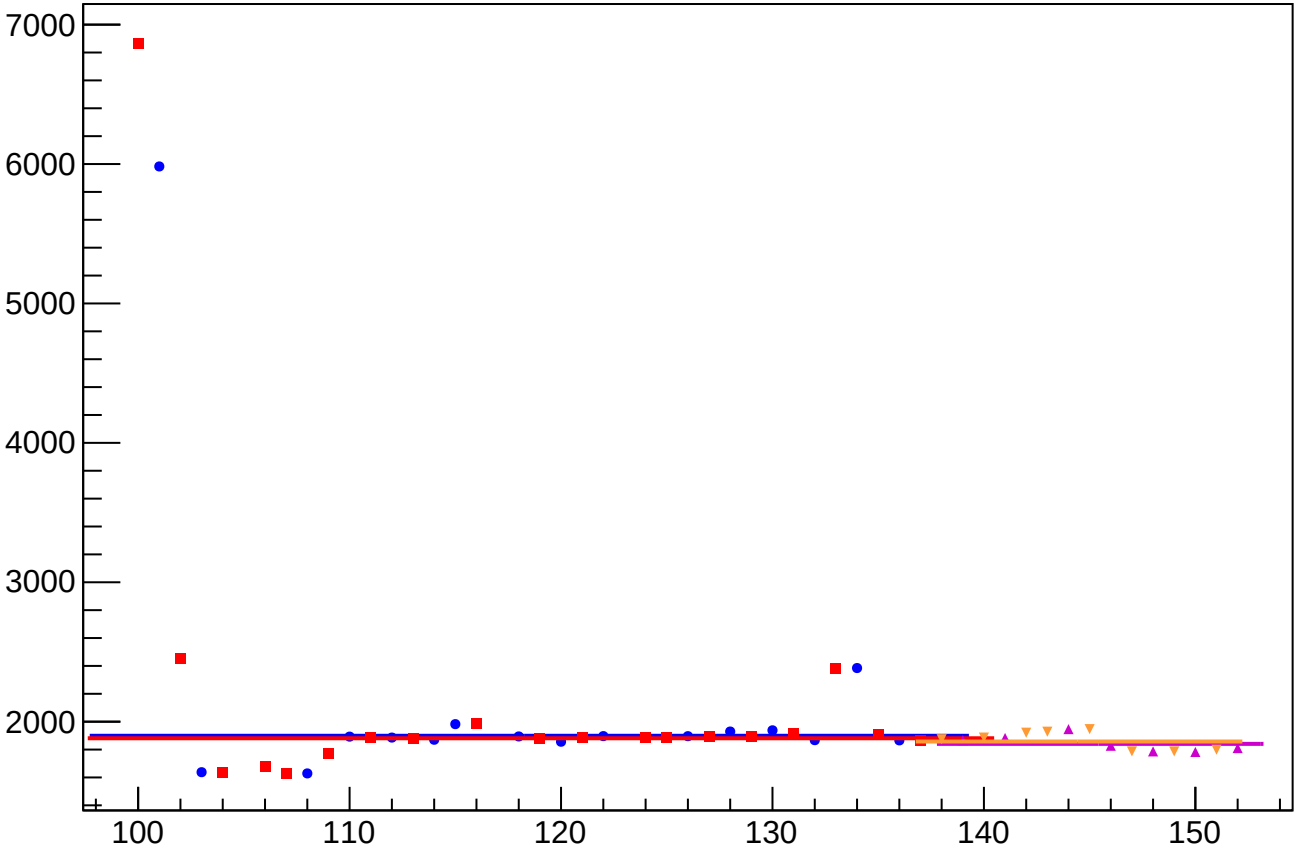
Left In: 89.178+/-743.243 χ^2/NDF:6.1/6

+ sign -320.101+/-519.375 χ^2/NDF: 26.0/23

All: -220.562+/-364.241 χ^2/NDF: 42.2/49

- sign -124.222+/-510.959 χ^2/NDF: 16.1/25

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1857.788+/-0.528 χ^2/NDF:14039.8/7

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

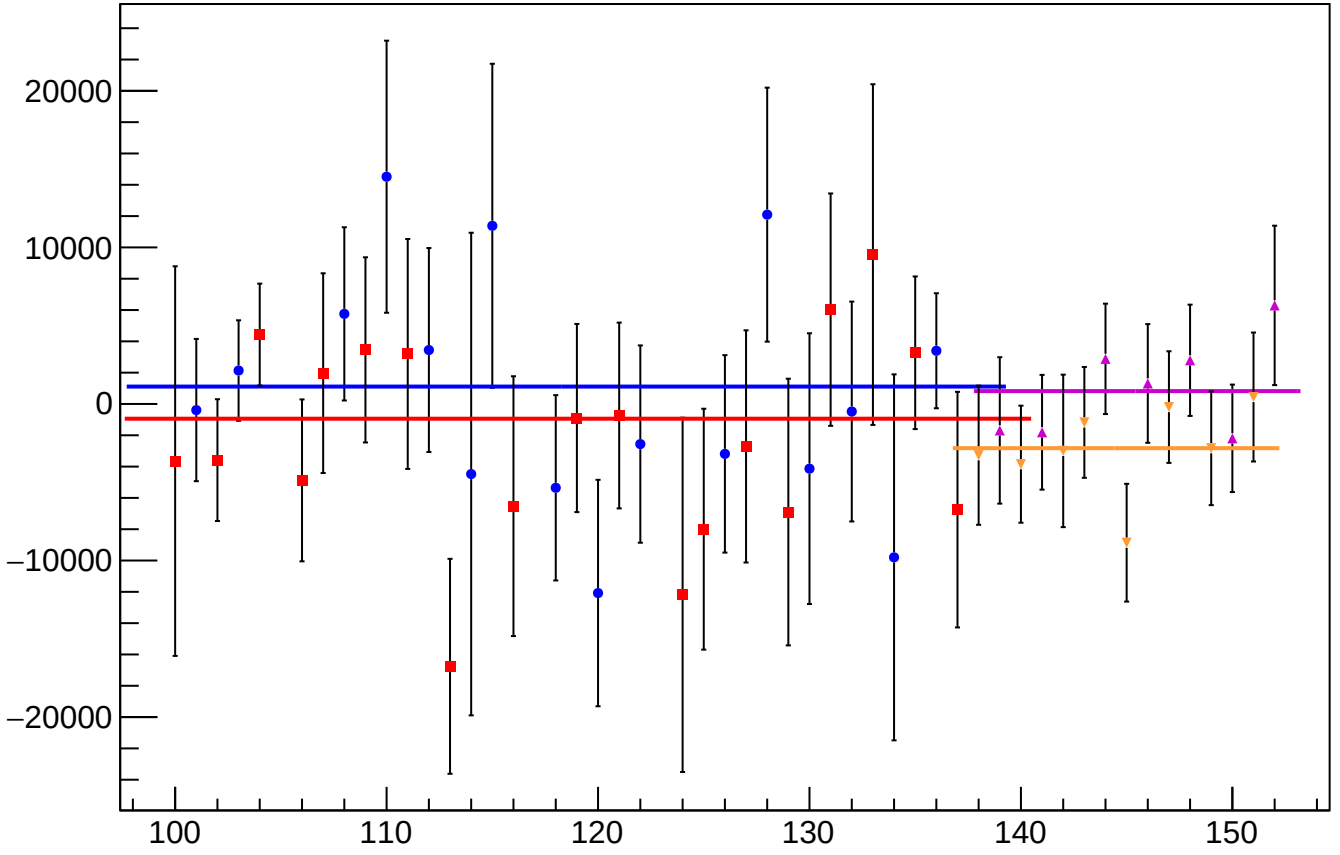
Left In: 1840.815+/-0.526 χ^2/NDF:10557.7/6

+ sign 1878.957+/-0.367 χ^2/NDF: 714672.6/23

All: 1870.355+/-0.257 χ^2/NDF: 945962.5/49

- sign 1862.042+/-0.361 χ^2/NDF: 230211.0/25

asym_atr_dd_eigen_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2823.307+/-1375.836 χ^2/NDF:4.1/7

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

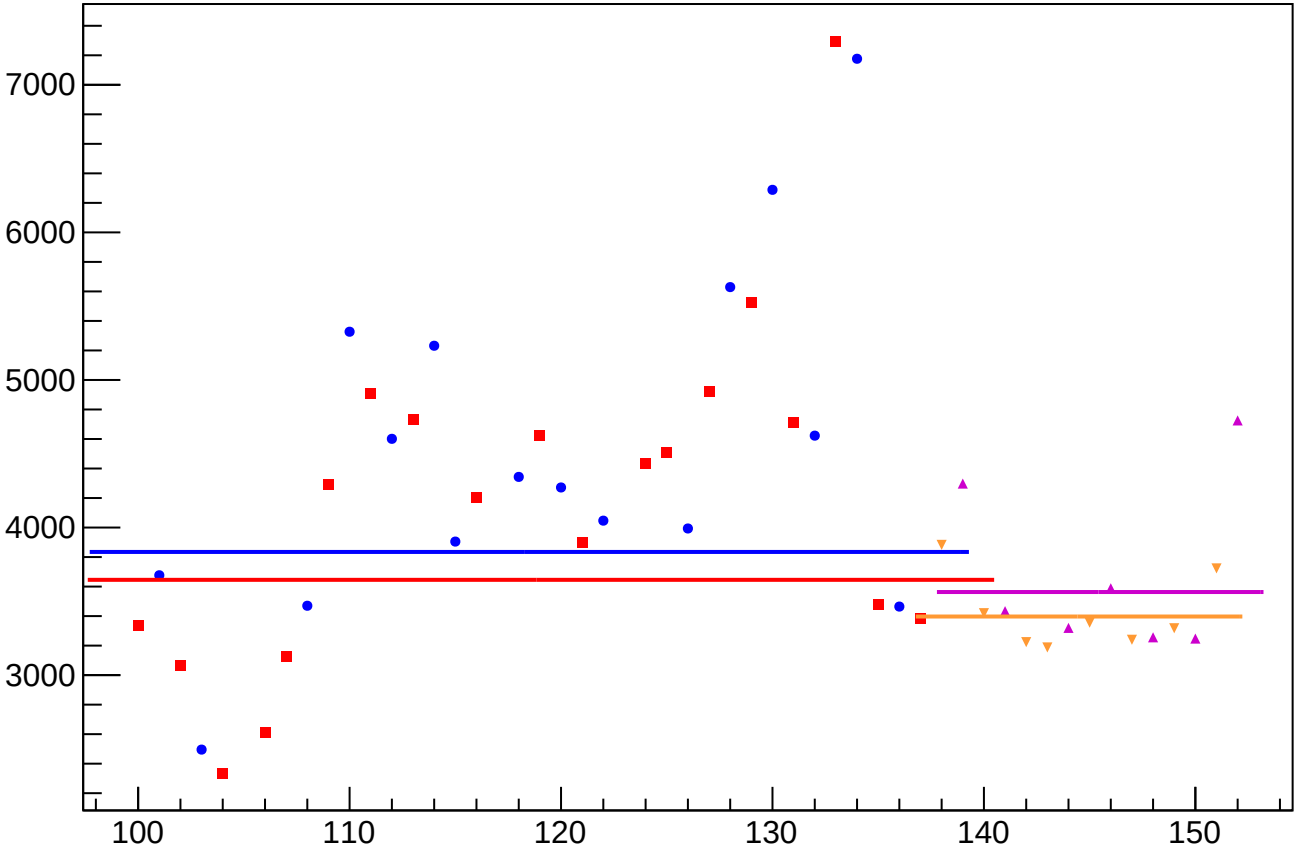
Left In: 821.934+/-1454.278 χ^2/NDF:3.4/6

+ sign -998.473+/-1007.500 χ^2/NDF: 21.2/23

All: -546.322+/-712.663 χ^2/NDF: 42.0/49

- sign -93.529+/-1008.215 χ^2/NDF: 20.3/25

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3397.129+/-0.973 χ^2/NDF:51138.2/7

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

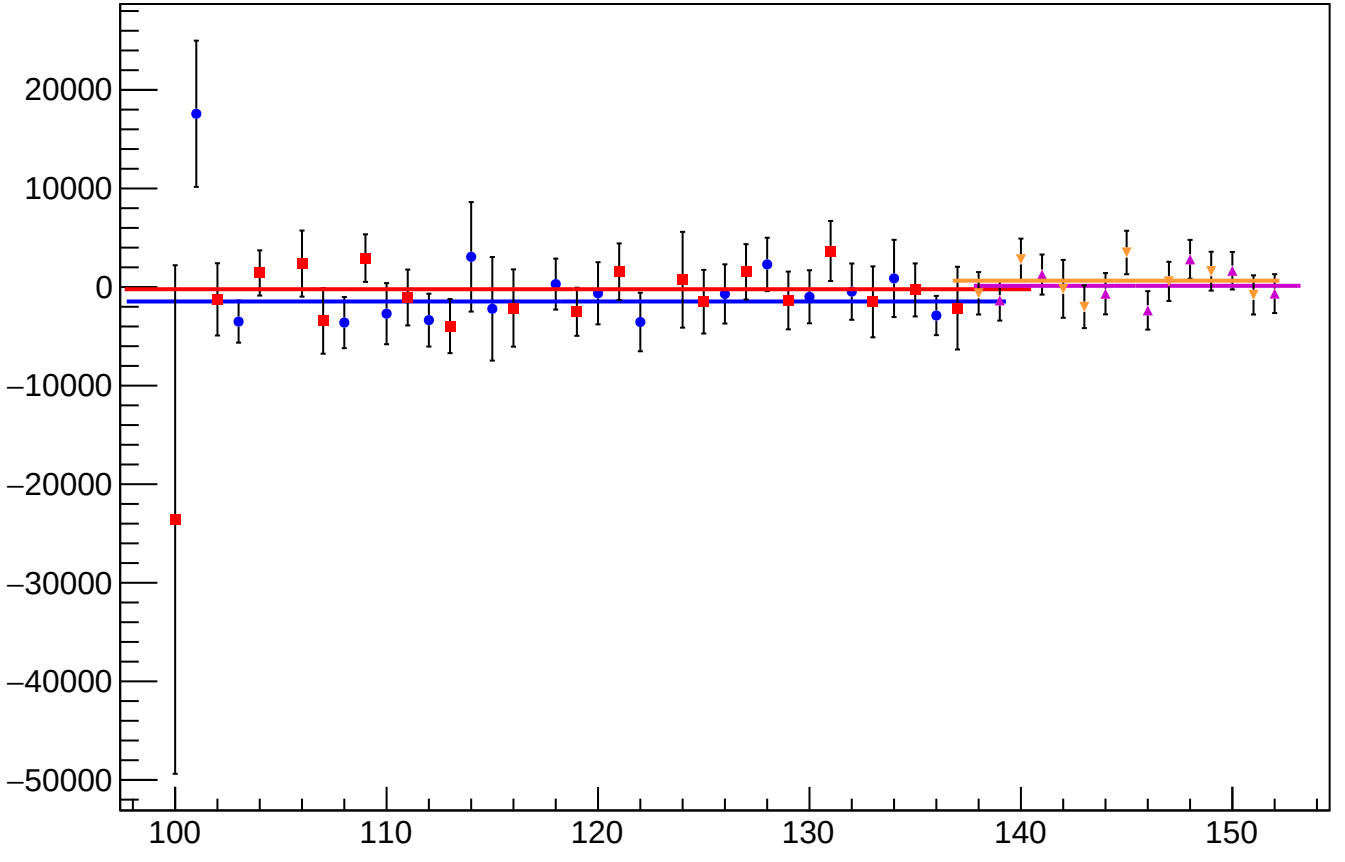
Left In: 3563.078+/-1.028 χ^2/NDF:197609.4/6

+ sign 3600.054+/-0.712 χ^2/NDF: 1101264.7/23

All: 3603.017+/-0.504 χ^2/NDF: 2427242.0/49

- sign 3605.983+/-0.713 χ^2/NDF: 1325942.7/25

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 649.280+/-758.010 χ^2/NDF:5.4/7

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

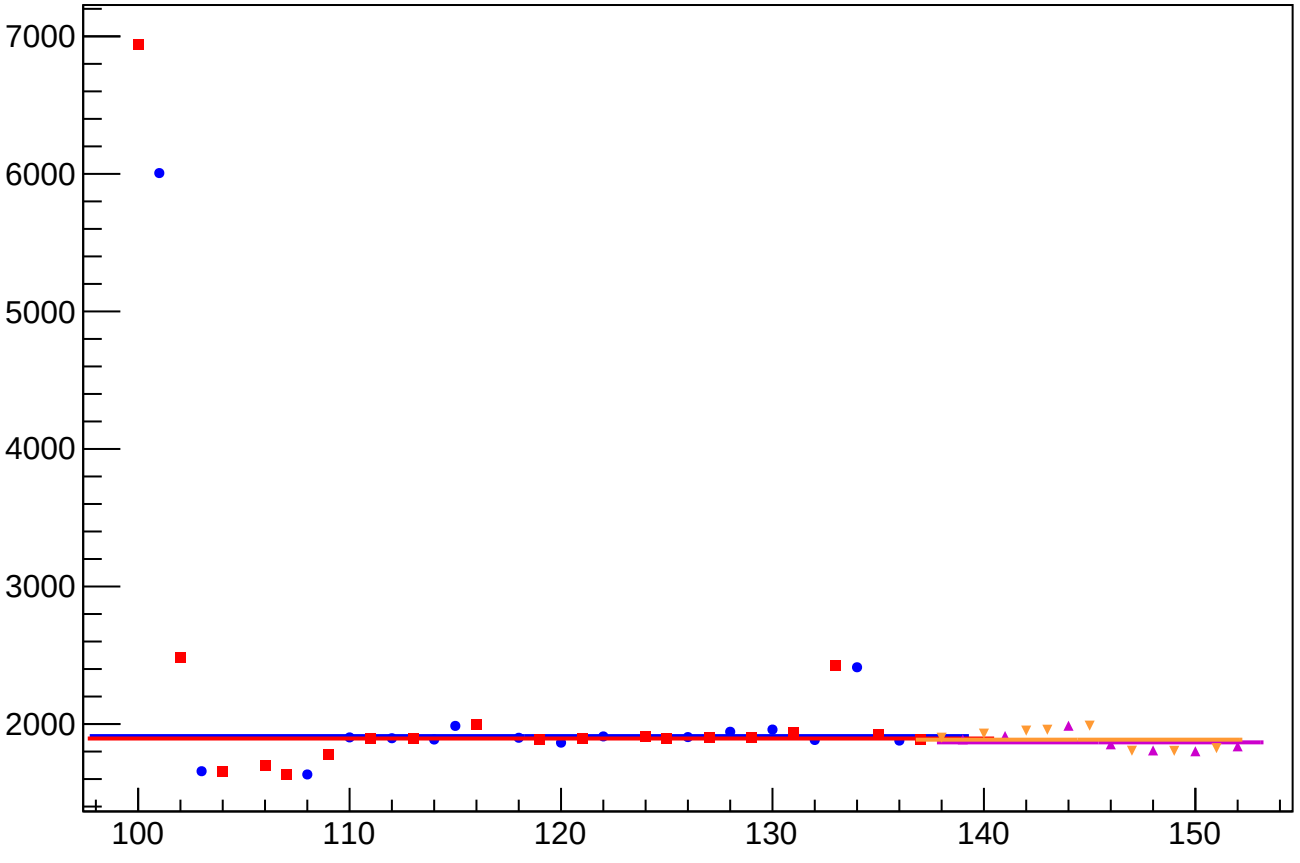
Left In: 125.093+/-753.813 χ^2/NDF:5.3/6

+ sign -448.916+/-525.165 χ^2/NDF: 23.0/23

All: -250.120+/-368.209 χ^2/NDF: 39.5/49

- sign -57.906+/-516.398 χ^2/NDF: 16.2/25

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1886.335+/-0.536 χ^2/NDF:17042.5/7

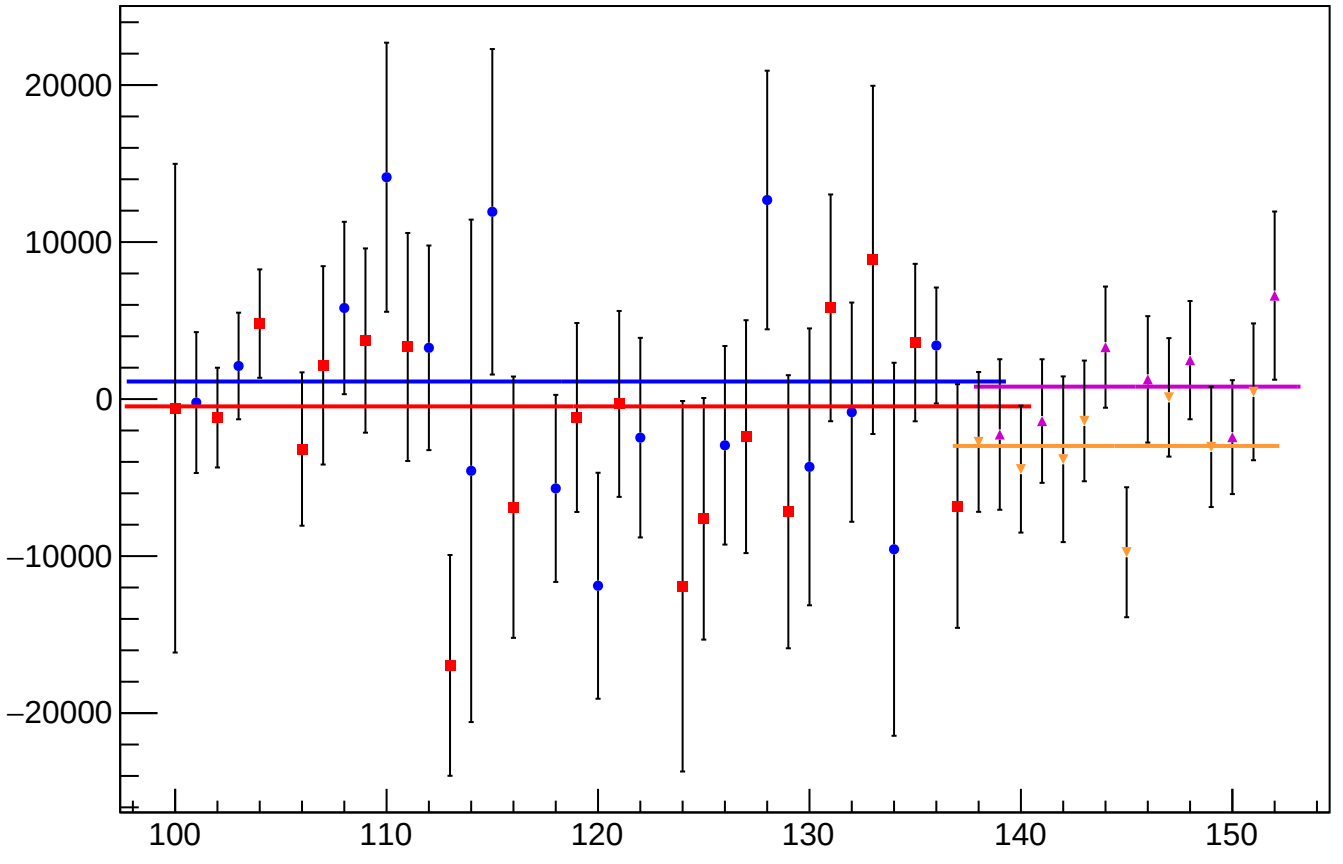
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1866.824+/-0.533 χ^2/NDF:12519.8/6

+ sign 1899.877+/-0.371 χ^2/NDF: 714490.4/23

All: 1890.614+/-0.260 χ^2/NDF: 949474.7/49

- sign 1881.667+/-0.365 χ^2/NDF: 233761.0/25



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -2984.697+/-1466.973 χ^2/NDF:4.3/7

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

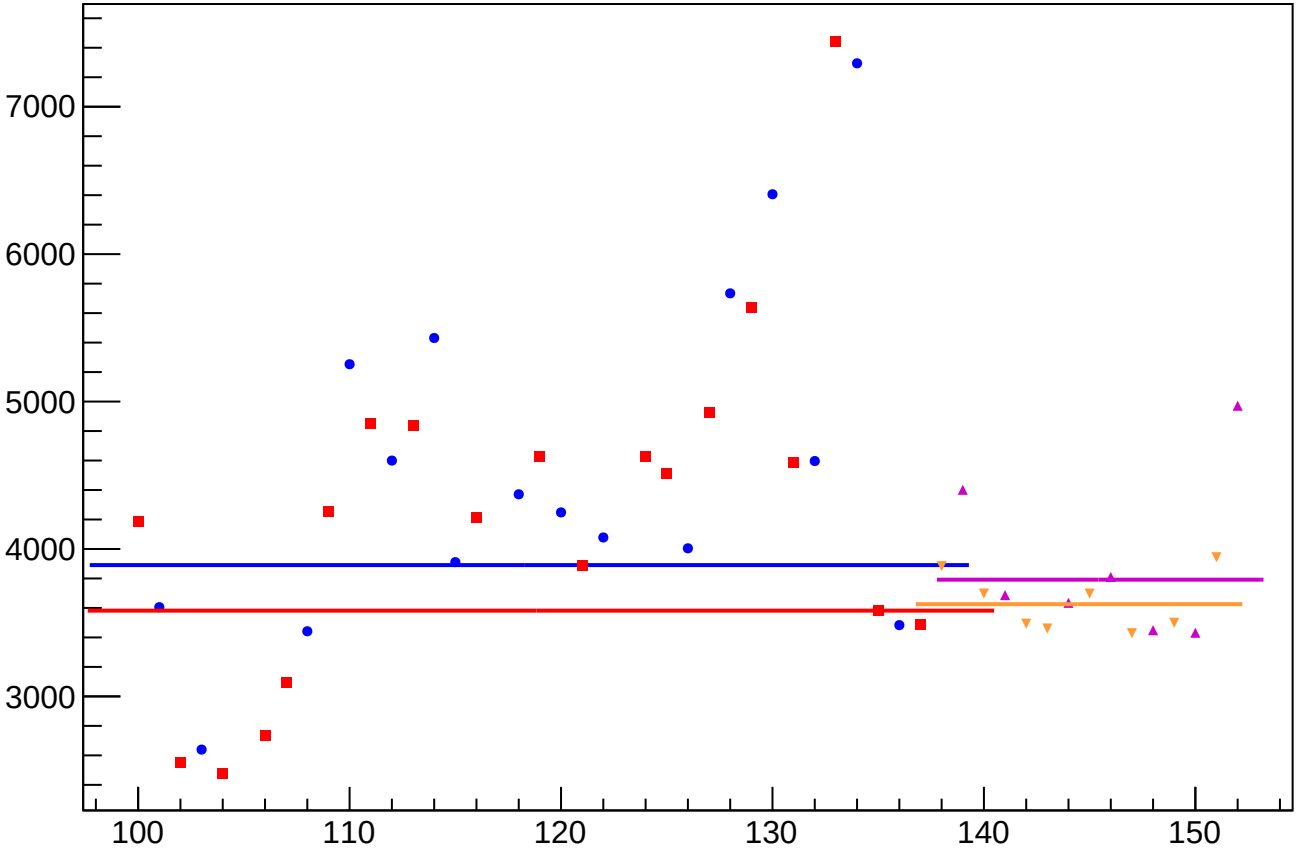
Left In: 792.966+/-1546.112 χ^2/NDF:3.3/6

+ sign -974.762+/-1047.991 χ^2/NDF: 21.6/23

All: -431.450+/-733.039 χ^2/NDF: 40.8/49

- sign 89.011+/-1025.716 χ^2/NDF: 18.7/25

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3625.521+/-1.037 χ^2/NDF:31183.7/7

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

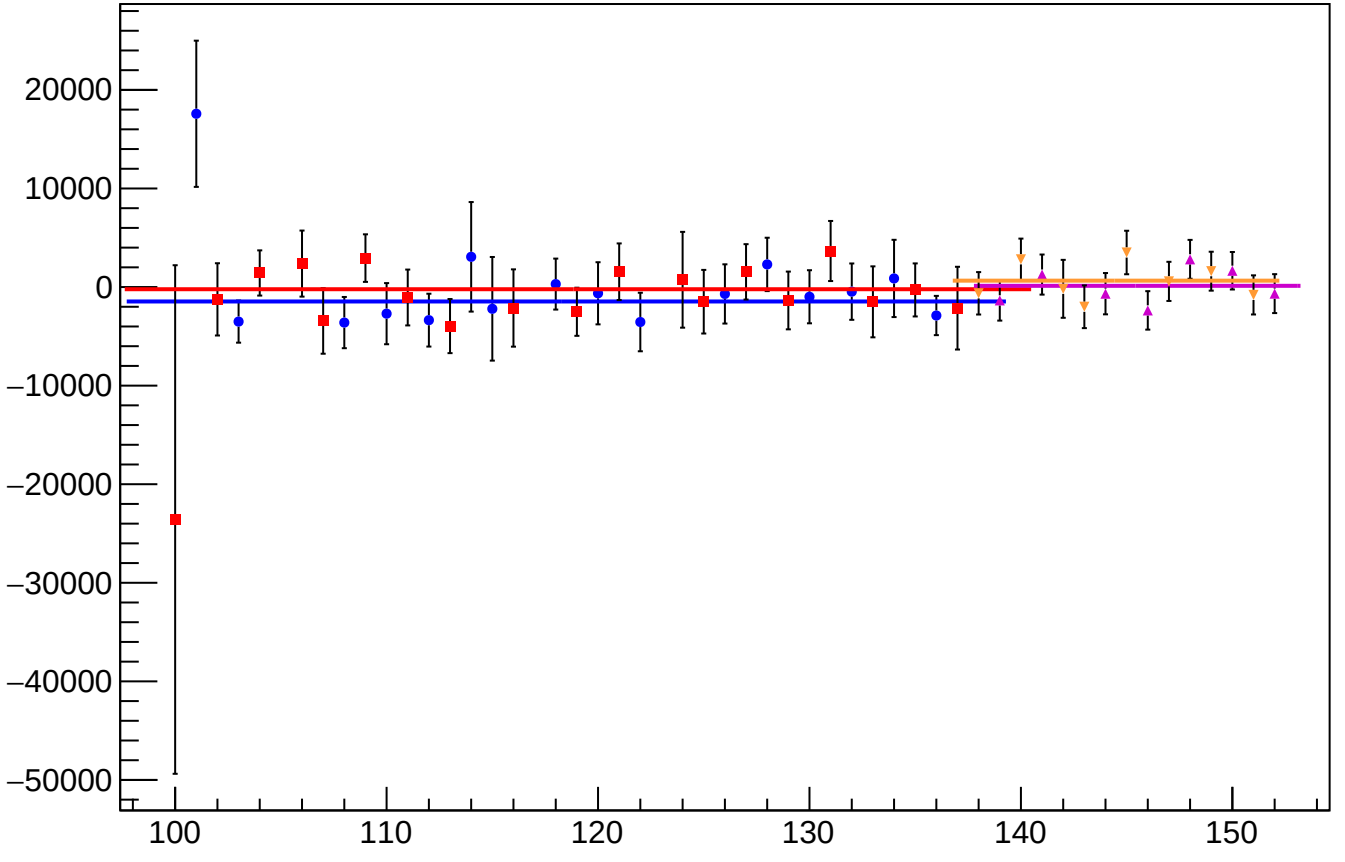
Left In: 3791.831+/-1.093 χ^2/NDF:170429.7/6

+ sign 3755.369+/-0.741 χ^2/NDF: 941603.5/23

All: 3713.927+/-0.518 χ^2/NDF: 2360679.6/49

- sign 3674.228+/-0.725 χ^2/NDF: 1412952.6/25

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 649.280+/-758.010 χ^2/NDF:5.4/7

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

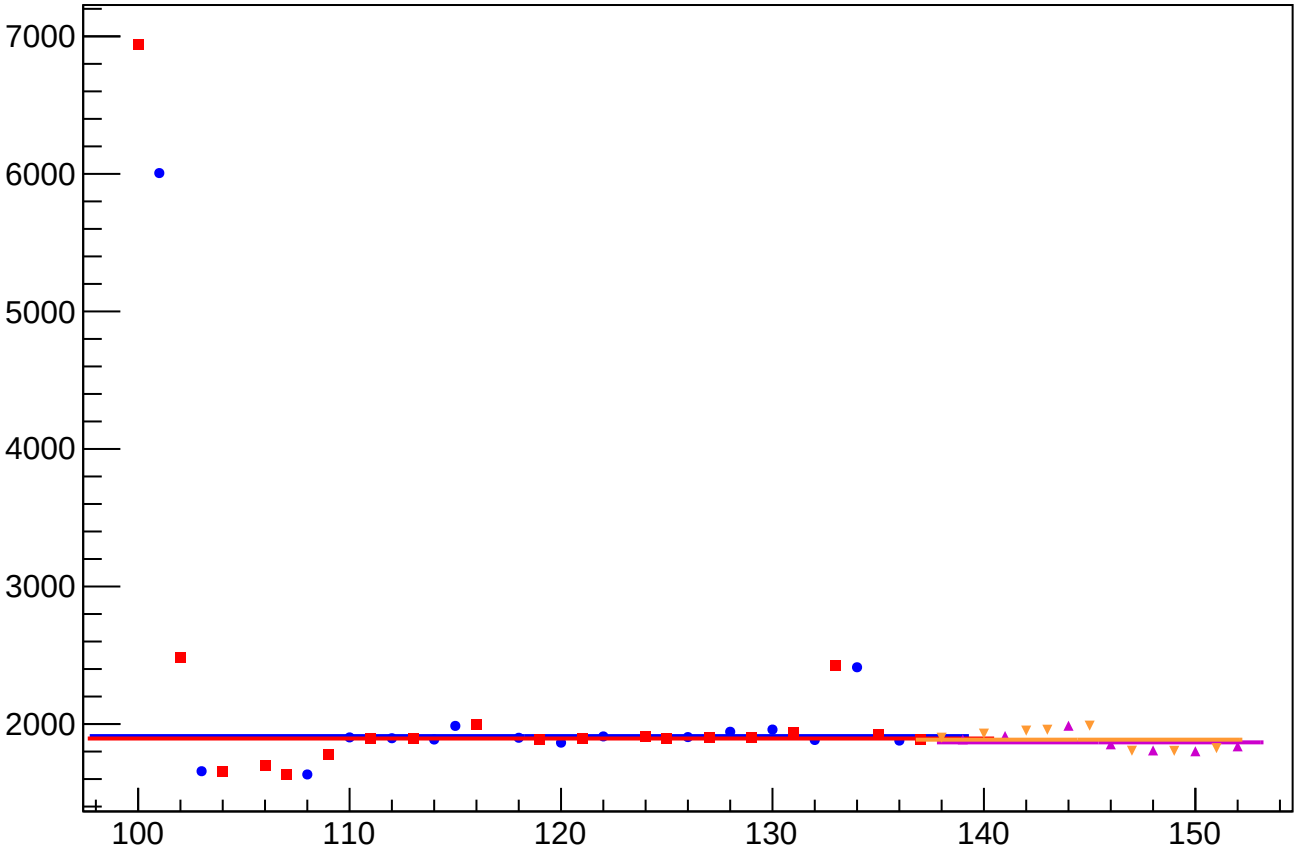
Left In: 125.089+/-753.813 χ^2/NDF:5.3/6

+ sign -448.919+/-525.165 χ^2/NDF: 23.0/23

All: -250.121+/-368.209 χ^2/NDF: 39.5/49

- sign -57.905+/-516.398 χ^2/NDF: 16.2/25

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1886.335+/-0.536 χ^2/NDF:17042.6/7

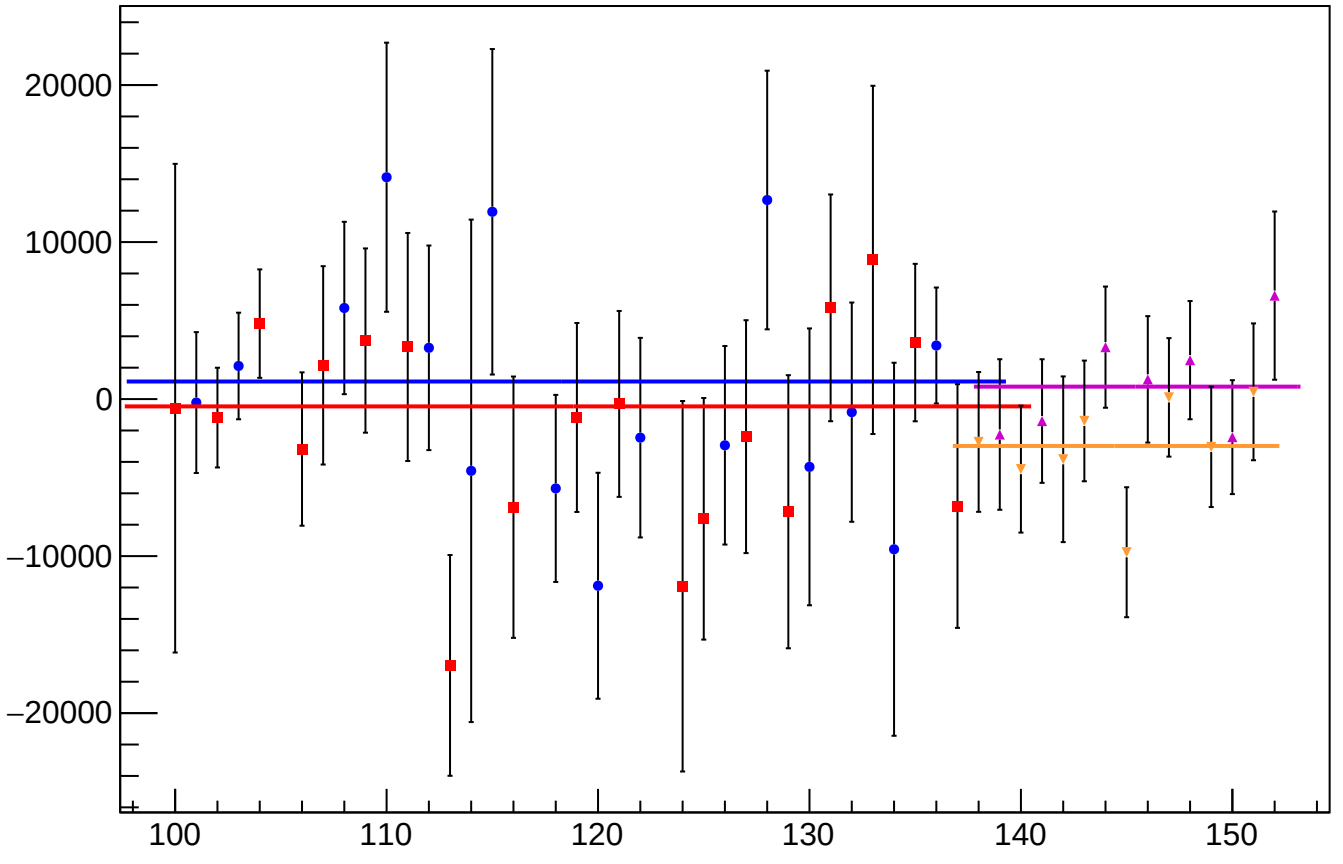
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1866.824+/-0.533 χ^2/NDF:12519.7/6

+ sign 1899.878+/-0.371 χ^2/NDF: 714490.3/23

All: 1890.614+/-0.260 χ^2/NDF: 949474.5/49

- sign 1881.668+/-0.365 χ^2/NDF: 233760.9/25



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -2984.699+/-1466.975 χ^2/NDF:4.3/7

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

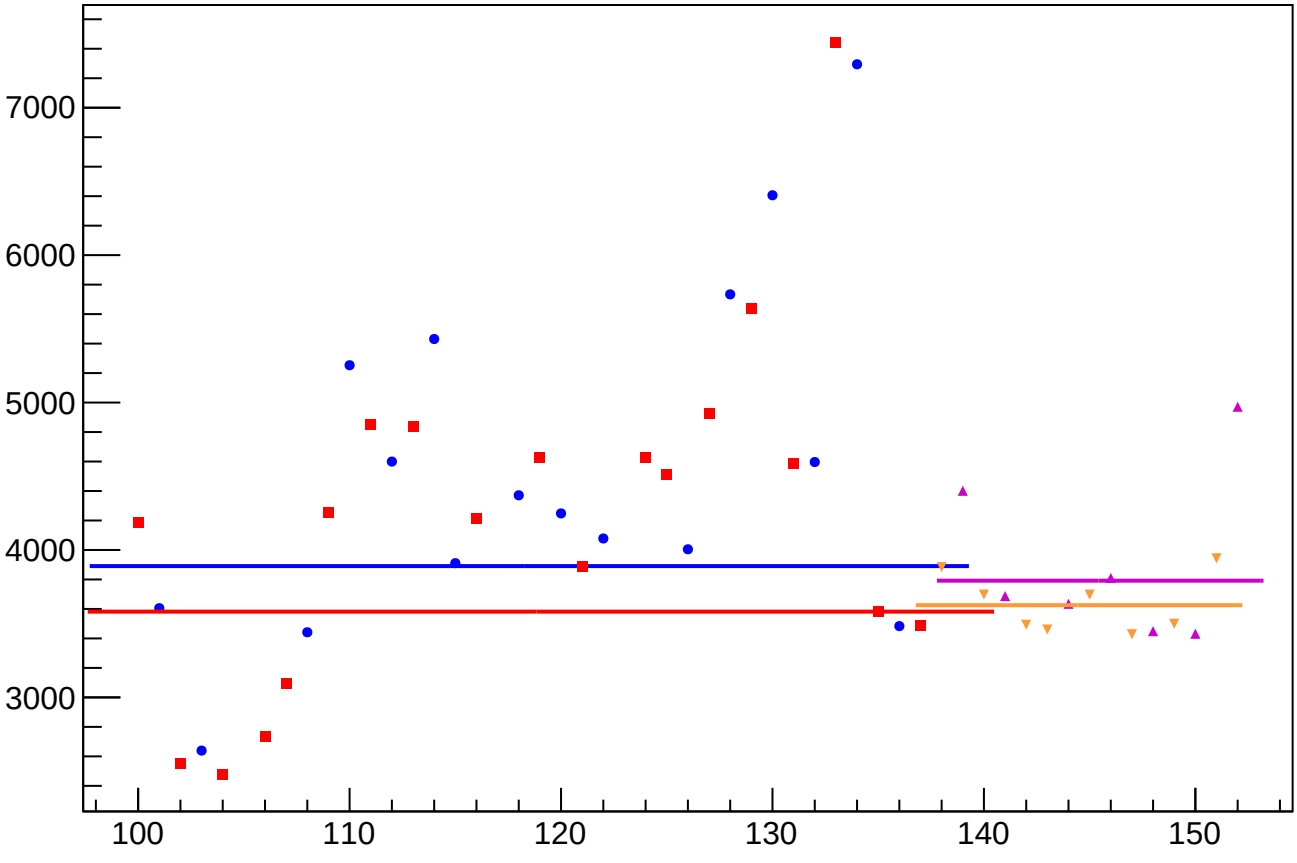
Left In: 792.963+/-1546.114 χ^2/NDF:3.3/6

+ sign -974.765+/-1047.991 χ^2/NDF: 21.6/23

All: -431.452+/-733.039 χ^2/NDF: 40.8/49

- sign 89.009+/-1025.715 χ^2/NDF: 18.7/25

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3625.527+/-1.037 χ^2/NDF:31183.6/7

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

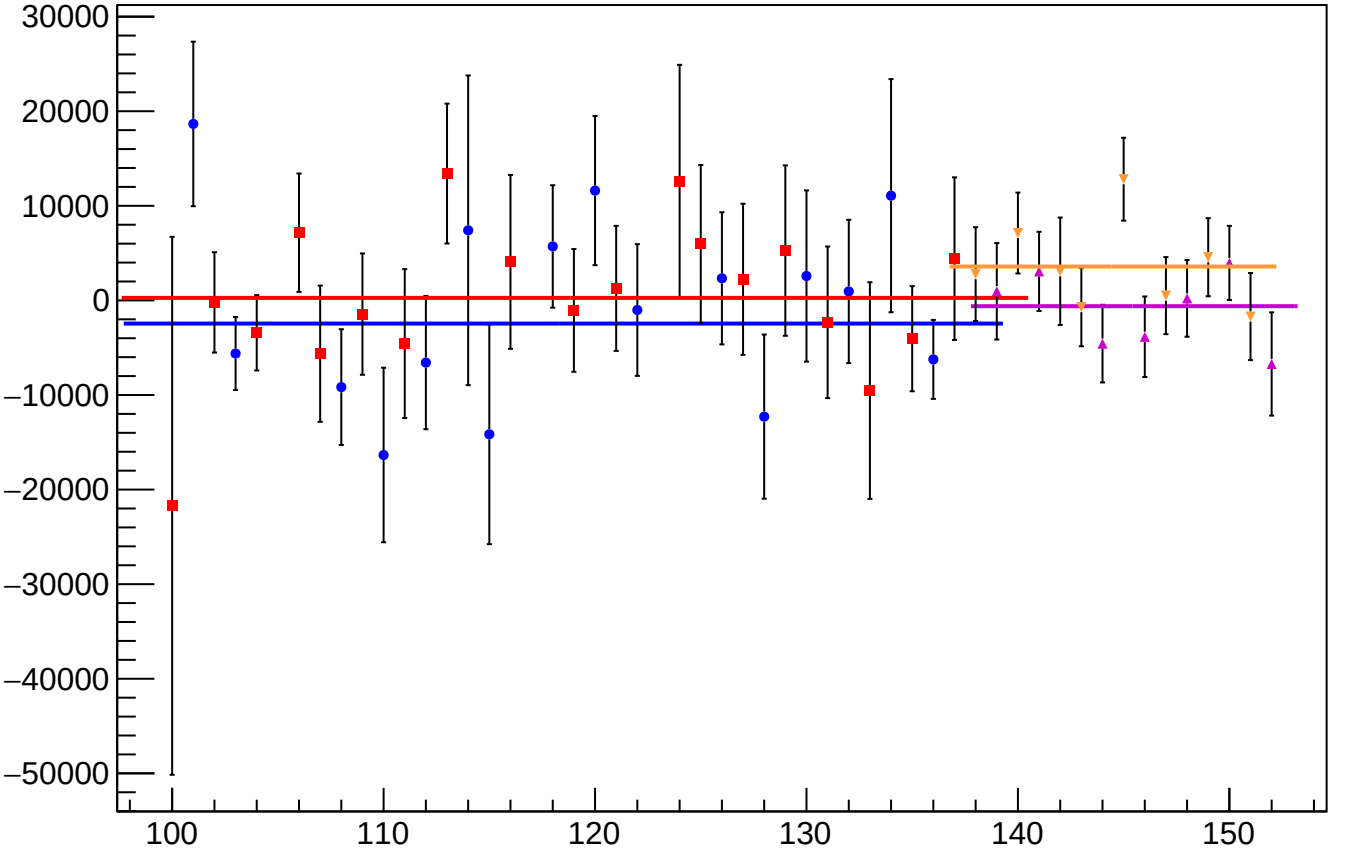
Left In: 3791.836+/-1.093 χ^2/NDF:170429.1/6

+ sign 3755.371+/-0.741 χ^2/NDF: 941592.6/23

All: 3713.928+/-0.518 χ^2/NDF: 2360661.1/49

- sign 3674.228+/-0.725 χ^2/NDF: 1412944.9/25

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 3581.071+/-1575.551 χ^2/NDF:8.2/7

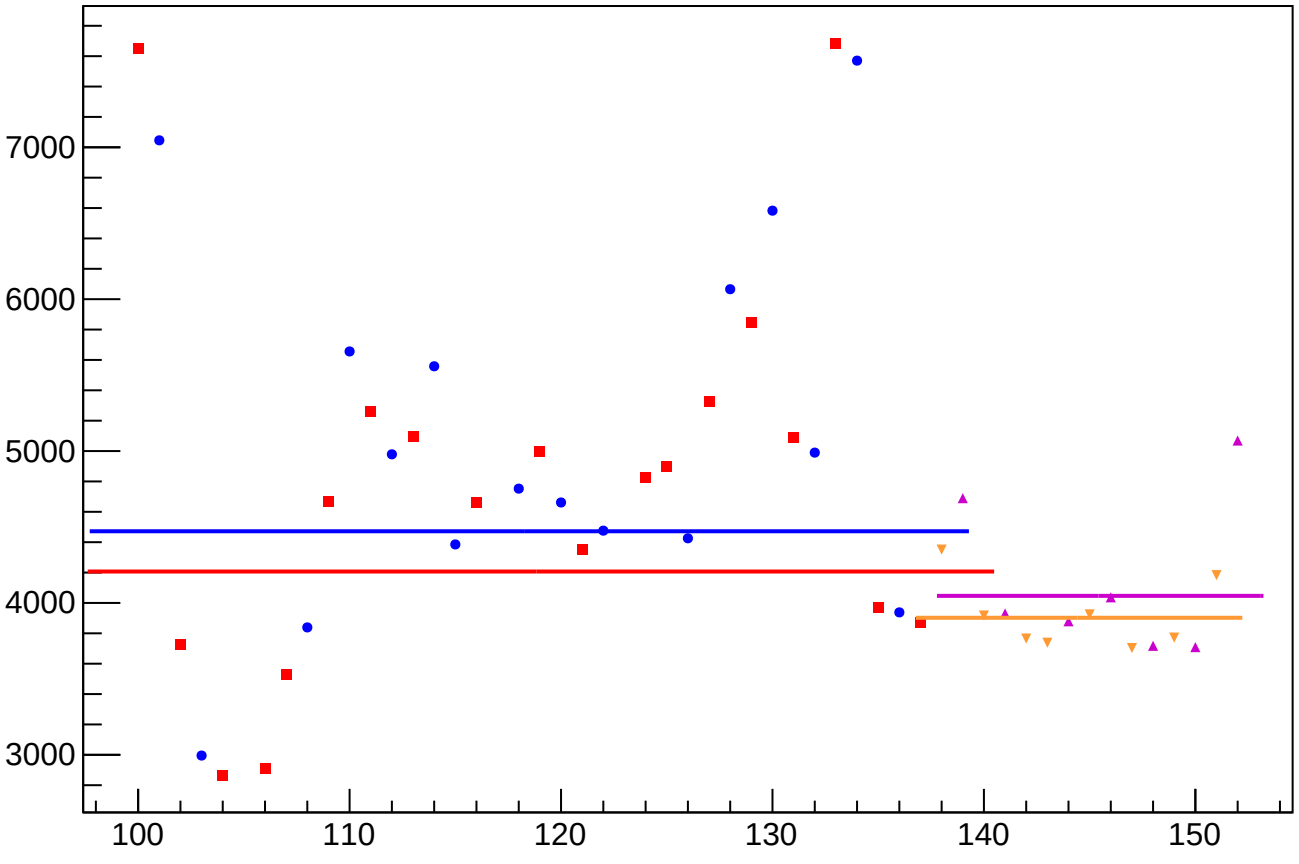
Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -610.855+/-1645.336 χ^2/NDF:5.0/6

+ sign 829.639+/-1161.705 χ^2/NDF: 35.7/23

All: 328.876+/-819.174 χ^2/NDF: 52.0/49

- sign -166.378+/-1155.297 χ^2/NDF: 15.9/25



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3902.315+/-1.114 χ^2/NDF:34966.3/7

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

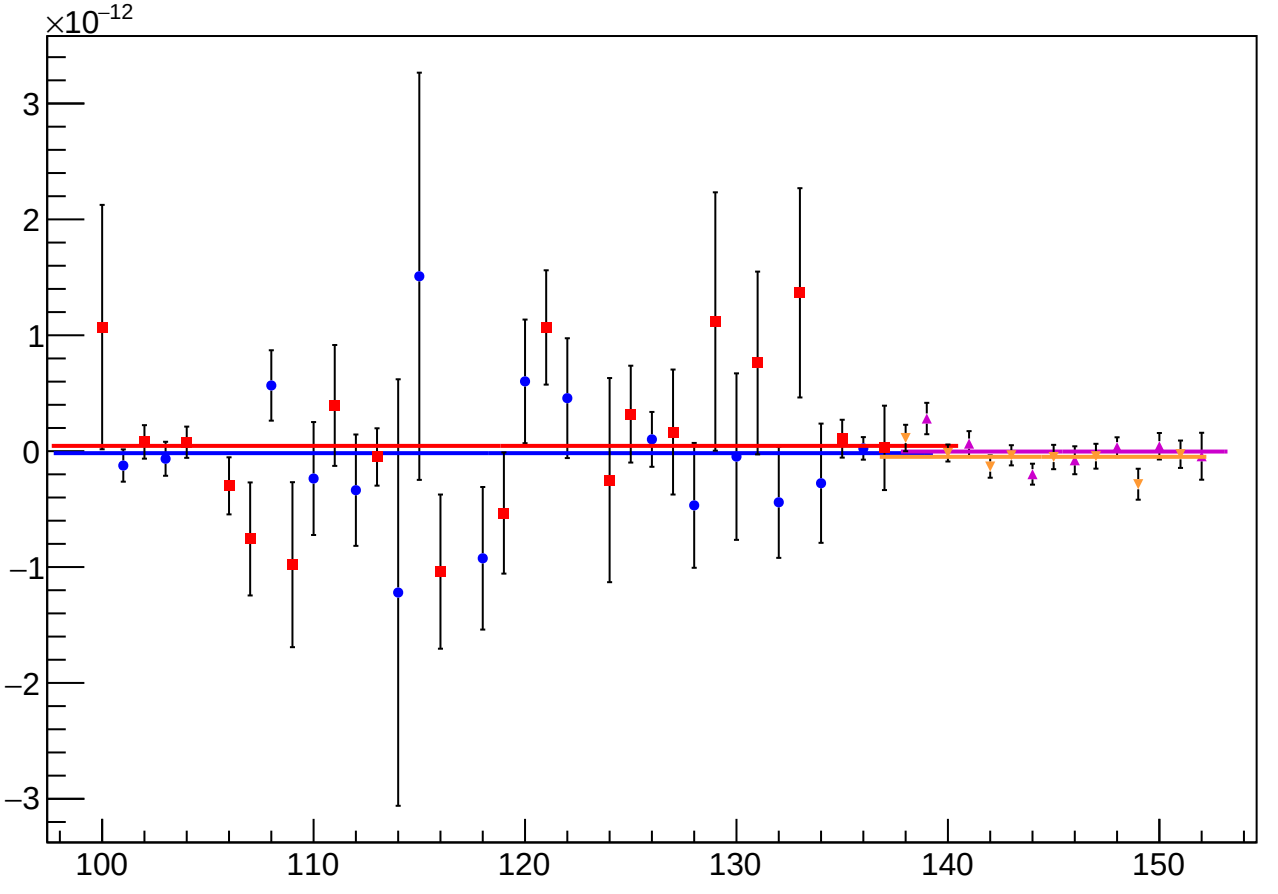
Left In: 4046.656+/-1.163 χ^2/NDF:134880.3/6

+ sign 4162.242+/-0.821 χ^2/NDF: 1045927.5/23

All: 4145.234+/-0.578 χ^2/NDF: 2037878.1/49

- sign 4128.554+/-0.814 χ^2/NDF: 991101.5/25

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:6.2/7

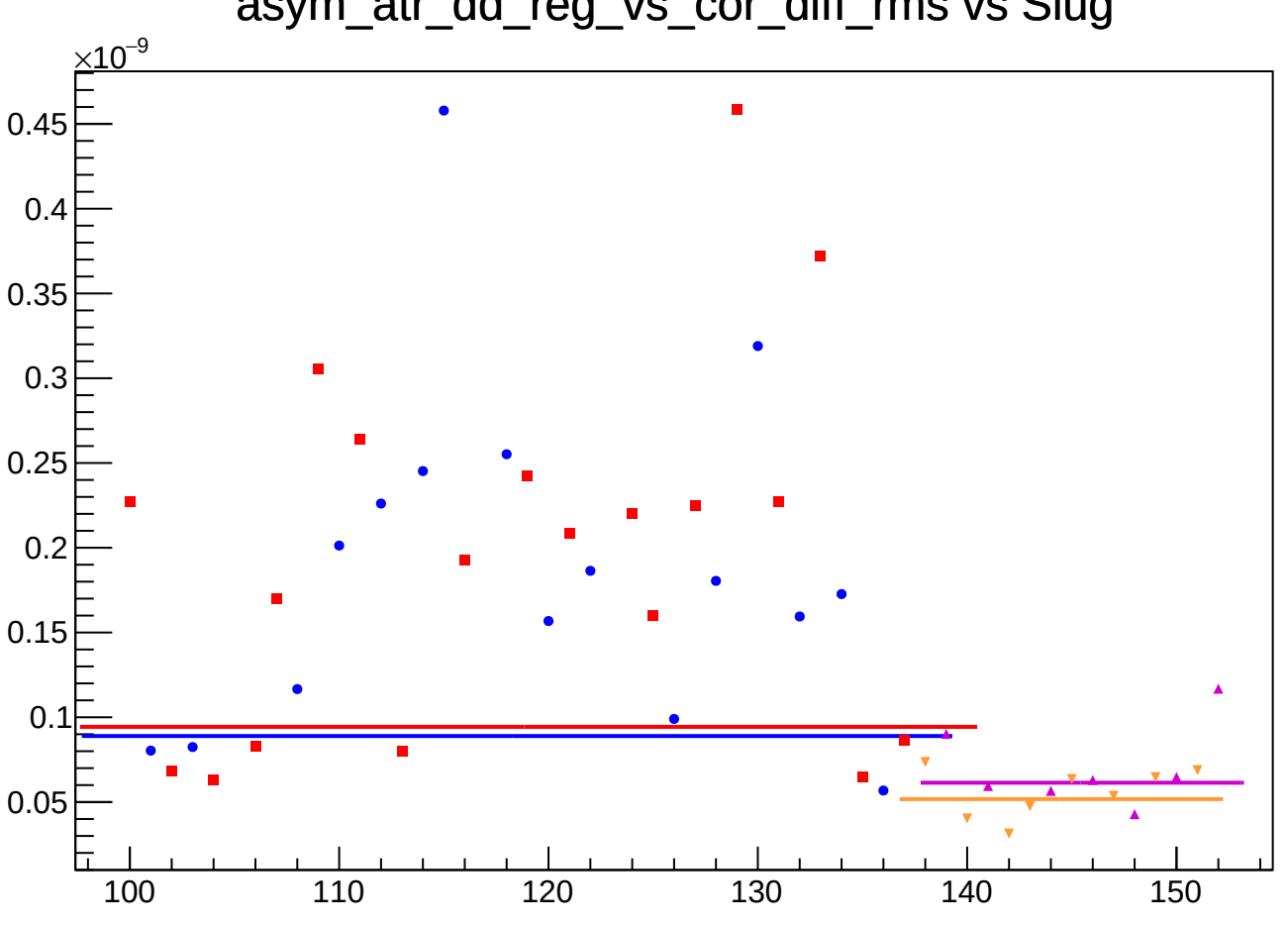
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 19.1/23

All: -0.000+/-0.000 χ^2/NDF: 52.2/49

- sign 0.000+/-0.000 χ^2/NDF: 31.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:302422.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

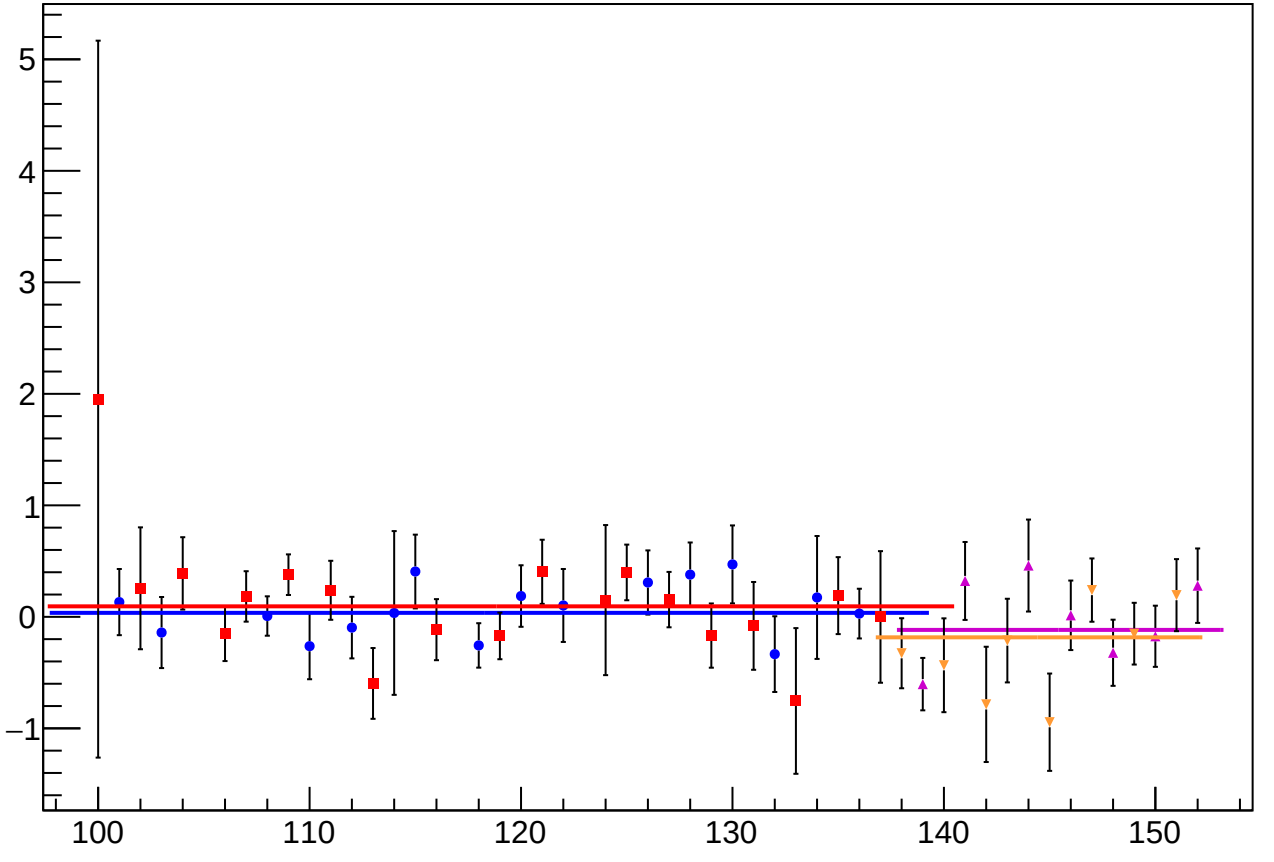
Left In: 0.000+/-0.000 χ^2/NDF:342681.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 2084938.5/23

All: 0.000+/-0.000 χ^2/NDF: 4544939.3/49

- sign 0.000+/-0.000 χ^2/NDF: 2377421.1/25

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.184+/-0.122 χ^2/NDF:8.6/7

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

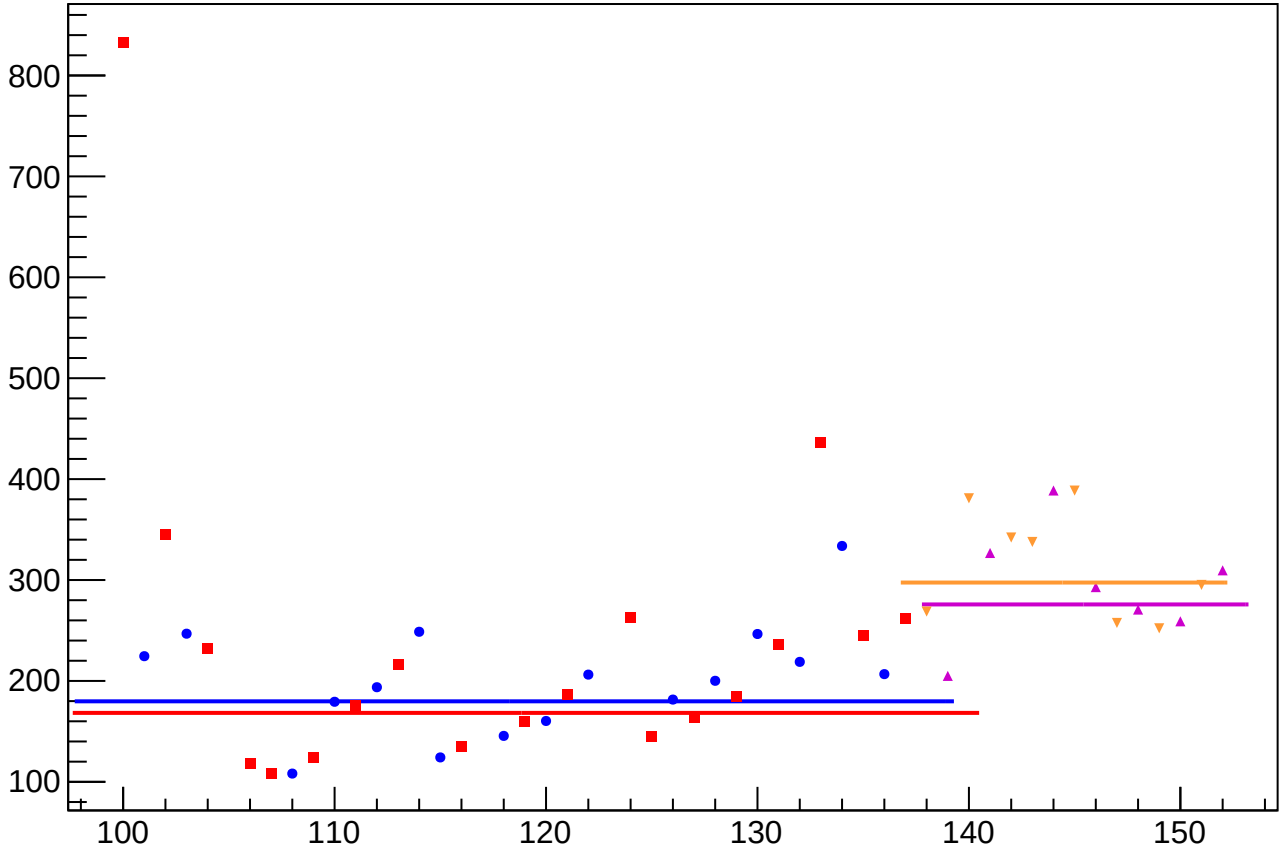
Left In: -0.117+/-0.115 χ^2/NDF:9.9/6

+ sign -0.019+/-0.061 χ^2/NDF: 21.5/23

All: 0.012+/-0.042 χ^2/NDF: 52.1/49

- sign 0.040+/-0.058 χ^2/NDF: 30.1/25

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 297.505+/-0.086 χ^2/NDF:314197.7/7

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

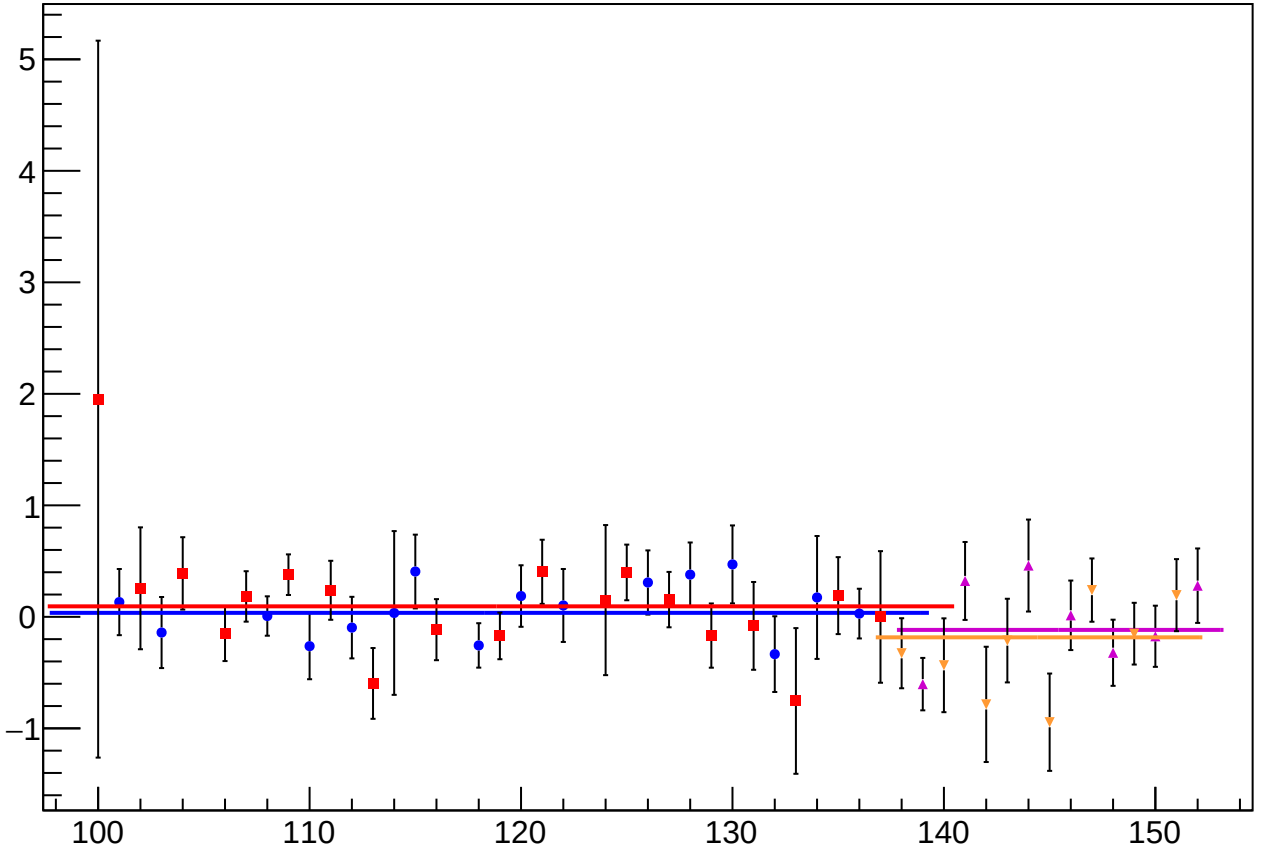
Left In: 275.814+/-0.081 χ^2/NDF:408466.5/6

+ sign 209.230+/-0.043 χ^2/NDF: 2623775.2/23

All: 202.341+/-0.030 χ^2/NDF: 5794004.3/49

- sign 196.083+/-0.041 χ^2/NDF: 3121736.8/25

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: -0.184+/-0.122 χ^2/NDF:8.6/7

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

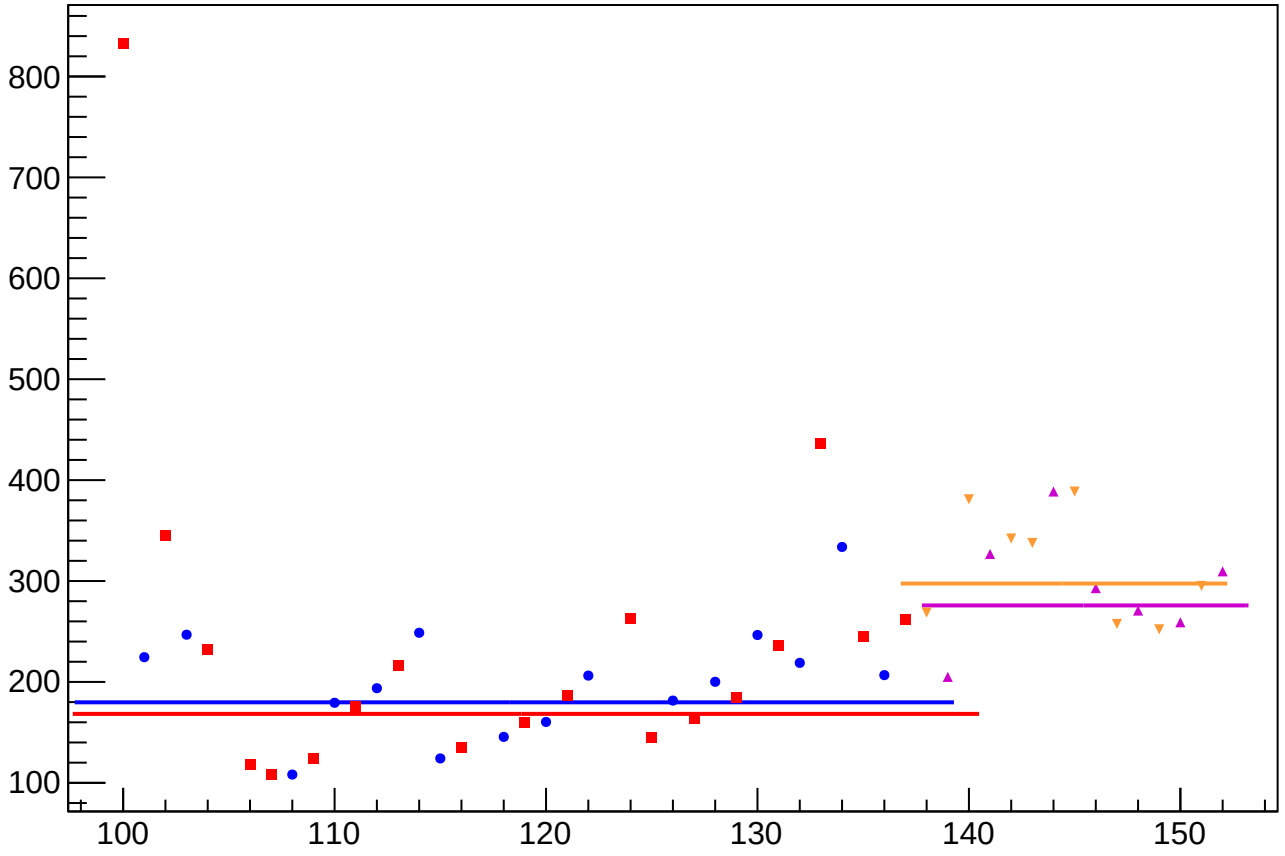
Left In: -0.117+/-0.115 χ^2/NDF:9.9/6

+ sign -0.019+/-0.061 χ^2/NDF: 21.5/23

All: 0.012+/-0.042 χ^2/NDF: 52.1/49

- sign 0.040+/-0.058 χ^2/NDF: 30.1/25

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: 297.505+/-0.086 χ^2/NDF:314197.7/7

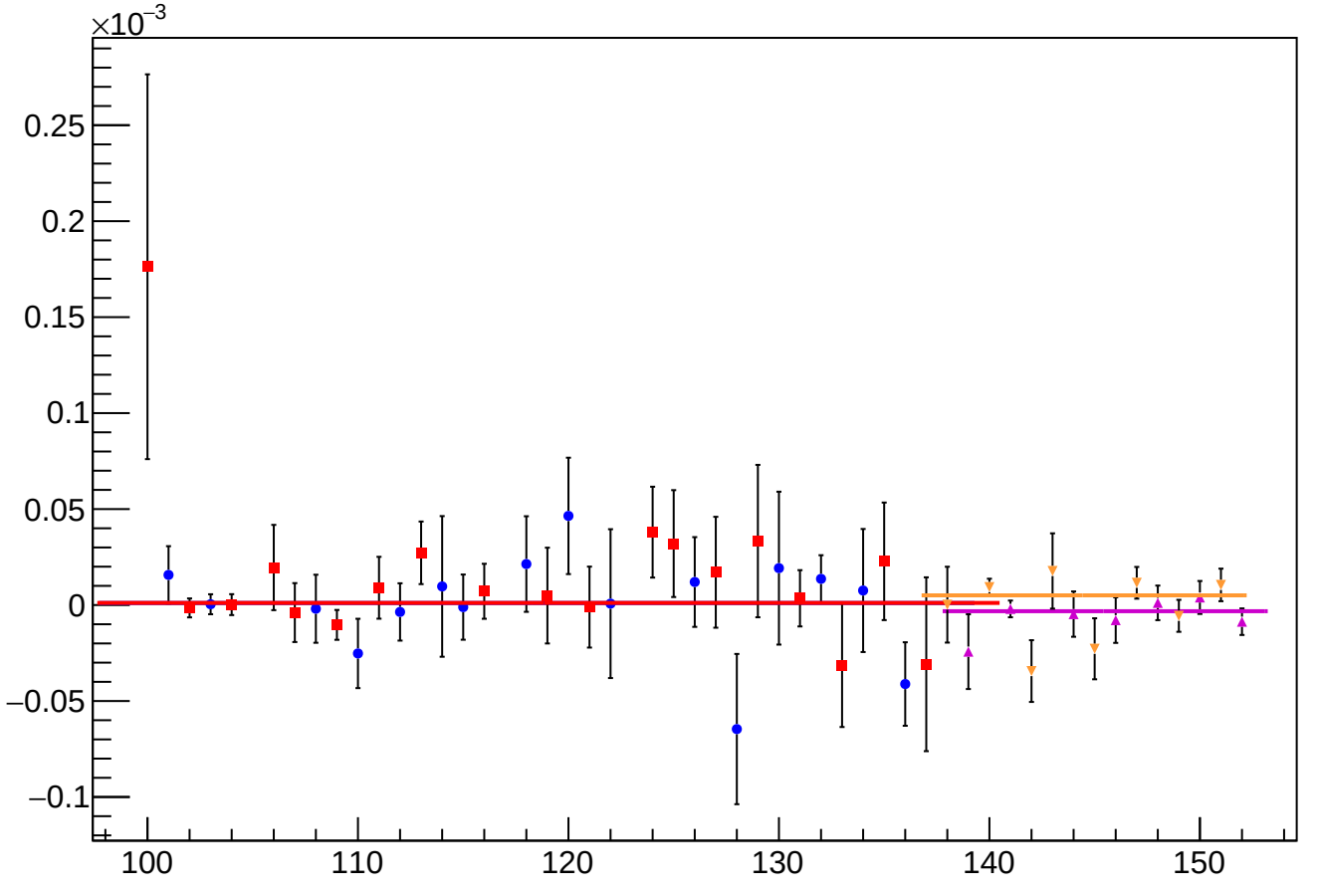
Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 275.814+/-0.081 χ^2/NDF:408466.5/6

+ sign 209.230+/-0.043 χ^2/NDF: 2623775.2/23

All: 202.341+/-0.030 χ^2/NDF: 5794004.3/49

- sign 196.083+/-0.041 χ^2/NDF: 3121736.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/7

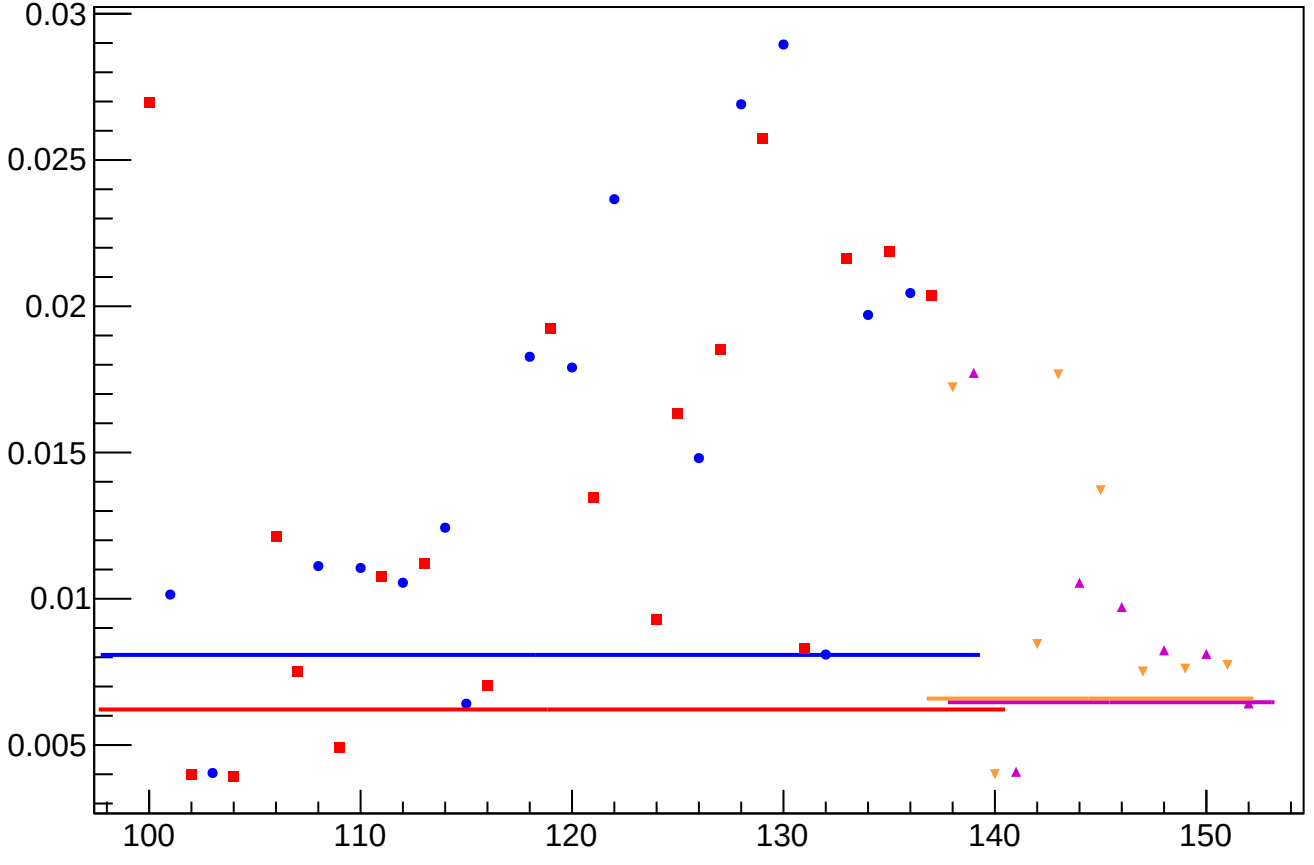
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/23

All: 0.000+/-0.000 χ^2/NDF: 50.3/49

- sign -0.000+/-0.000 χ^2/NDF: 20.1/25



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:2438694.4/7

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

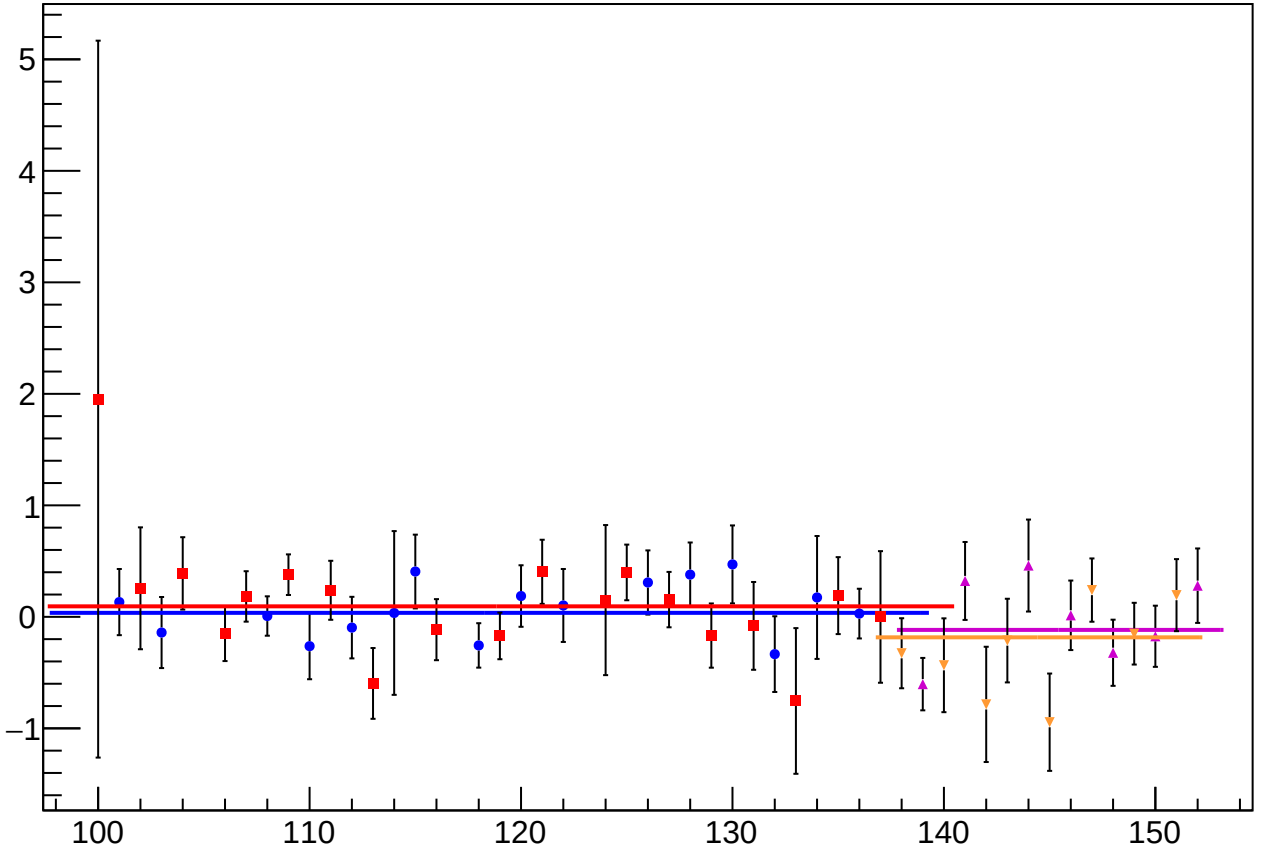
Left In: 0.006+/-0.000 χ^2/NDF:1807986.5/6

+ sign 0.007+/-0.000 χ^2/NDF: 7045710.5/23

All: 0.007+/-0.000 χ^2/NDF: 13572847.7/49

- sign 0.006+/-0.000 χ^2/NDF: 6376423.0/25

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: -0.184+/-0.122 χ^2/NDF:8.6/7

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

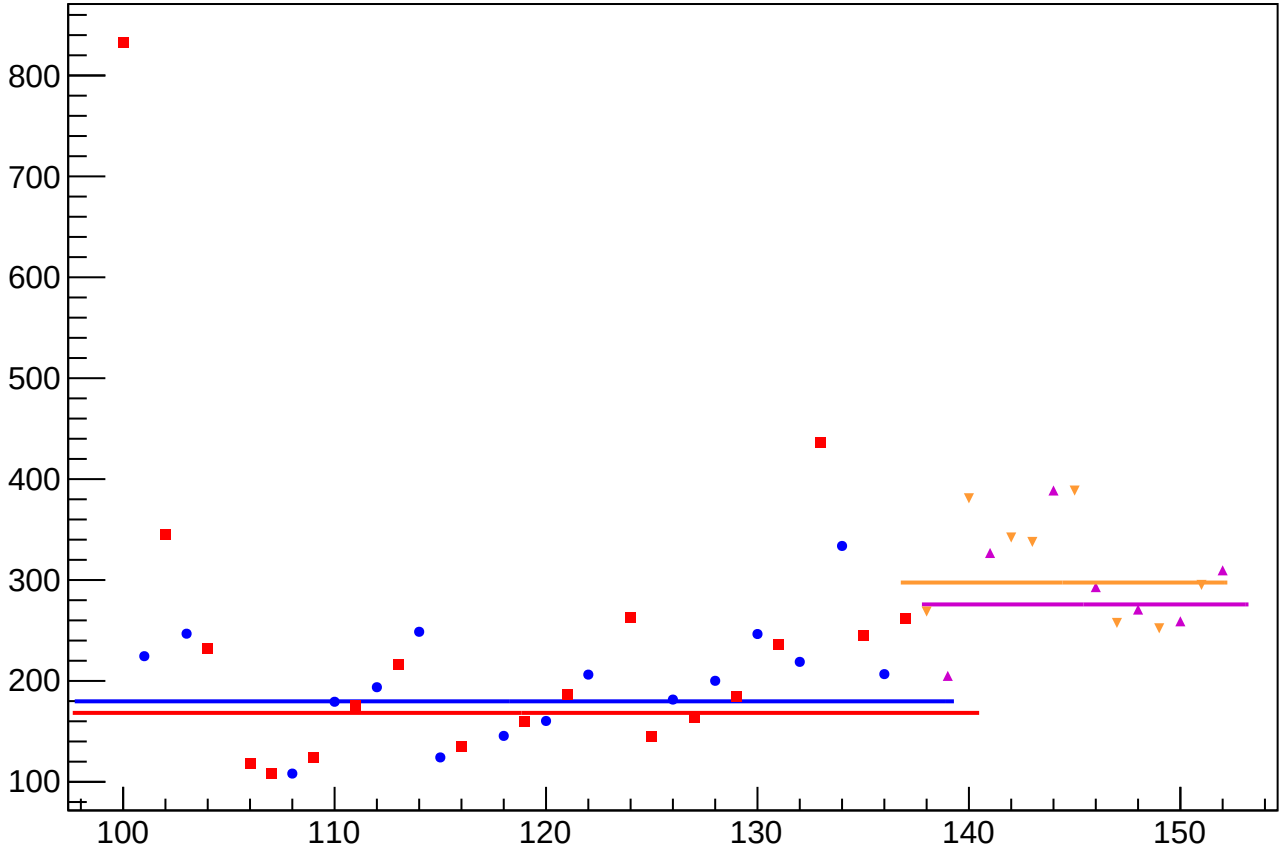
Left In: -0.117+/-0.115 χ^2/NDF:9.9/6

+ sign -0.019+/-0.061 χ^2/NDF: 21.5/23

All: 0.012+/-0.042 χ^2/NDF: 52.1/49

- sign 0.040+/-0.058 χ^2/NDF: 30.1/25

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: 297.509+/-0.086 χ^2/NDF:314181.3/7

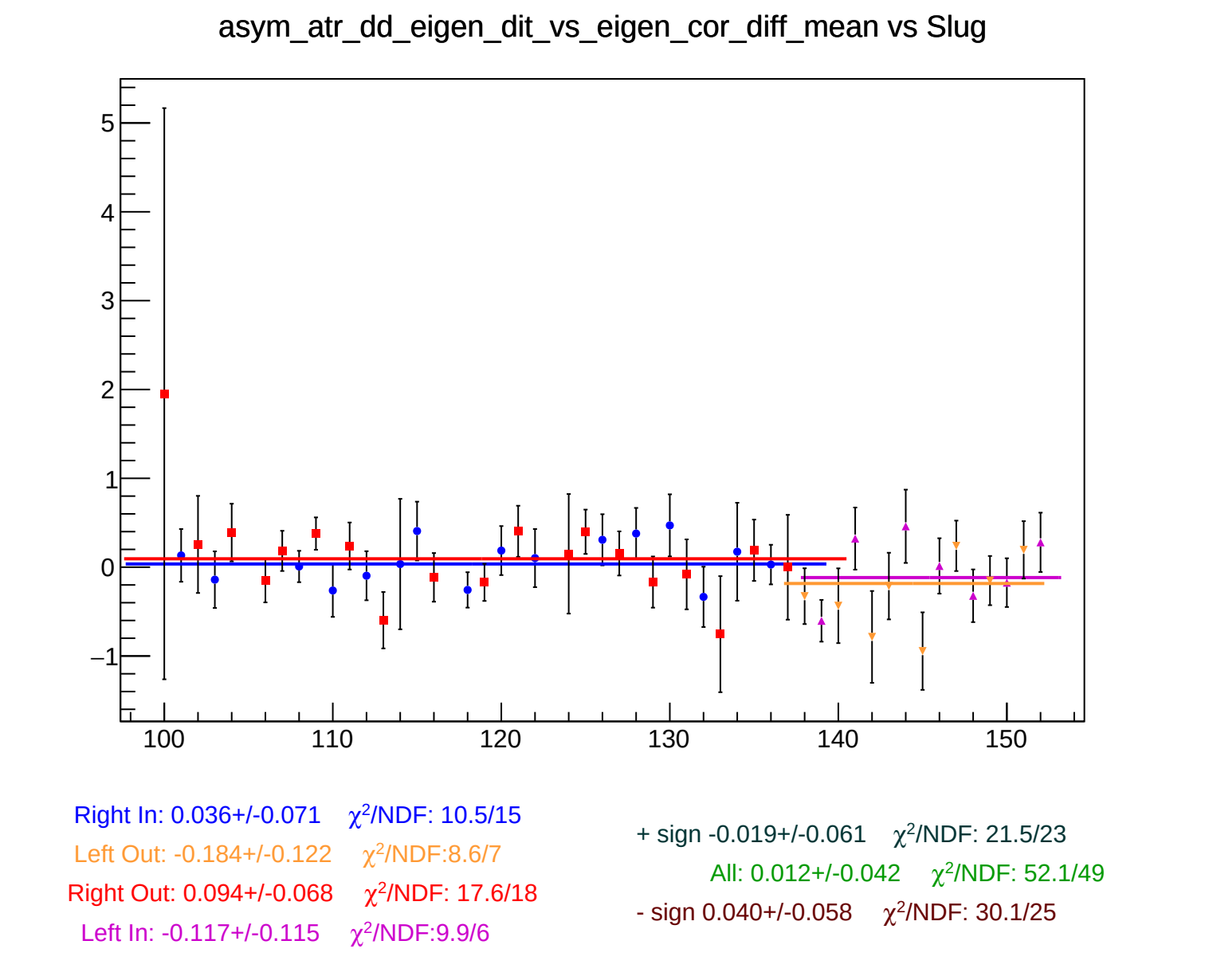
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

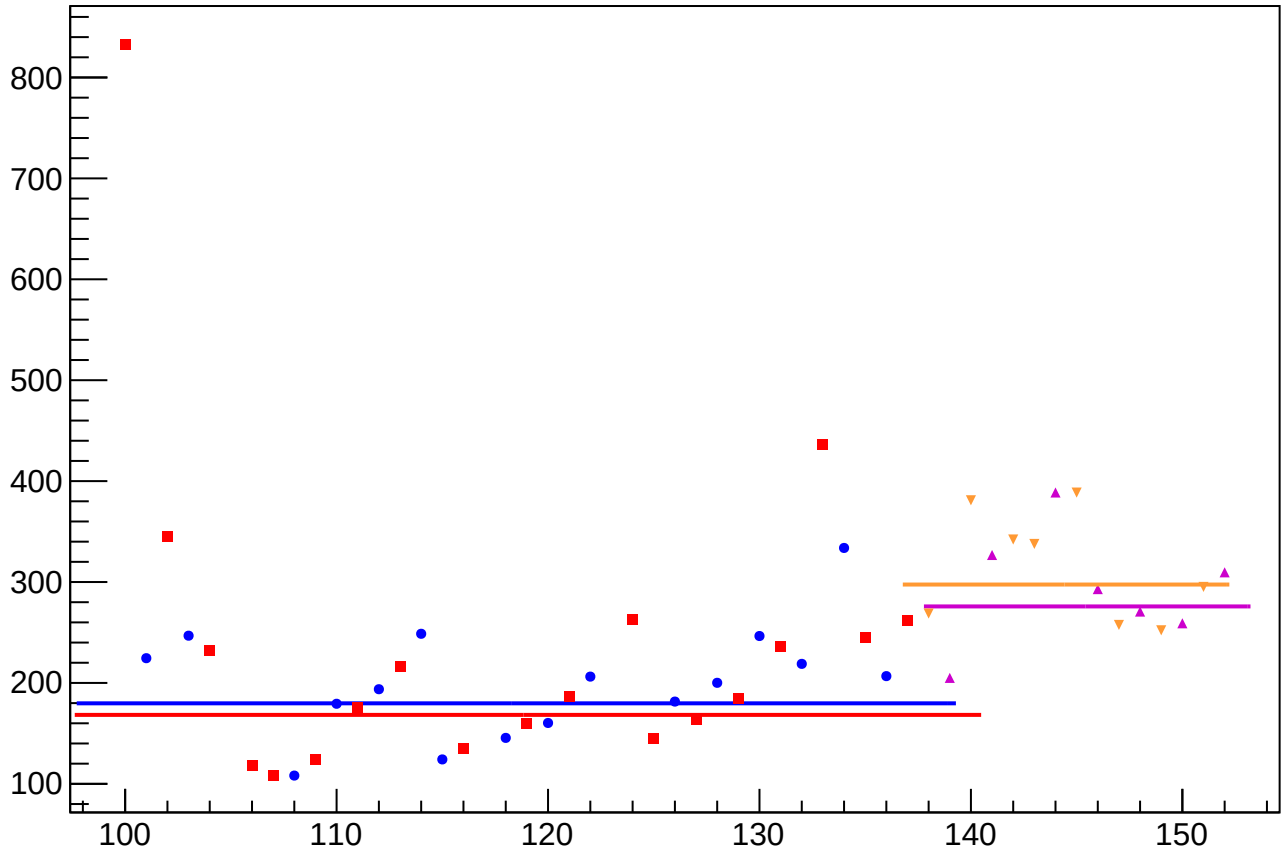
Left In: 275.817+/-0.081 χ^2/NDF:408440.1/6

+ sign 209.228+/-0.043 χ^2/NDF: 2623946.8/23

All: 202.340+/-0.030 χ^2/NDF: 5794203.0/49

- sign 196.083+/-0.041 χ^2/NDF: 3121780.8/25


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.184+/-0.122 χ²/NDF:8.6/7
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.117+/-0.115 χ²/NDF:9.9/6
+ sign -0.019+/-0.061 χ²/NDF: 21.5/23
All: 0.012+/-0.042 χ²/NDF: 52.1/49
- sign 0.040+/-0.058 χ²/NDF: 30.1/25



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 297.509+/-0.086 χ^2/NDF:314181.3/7

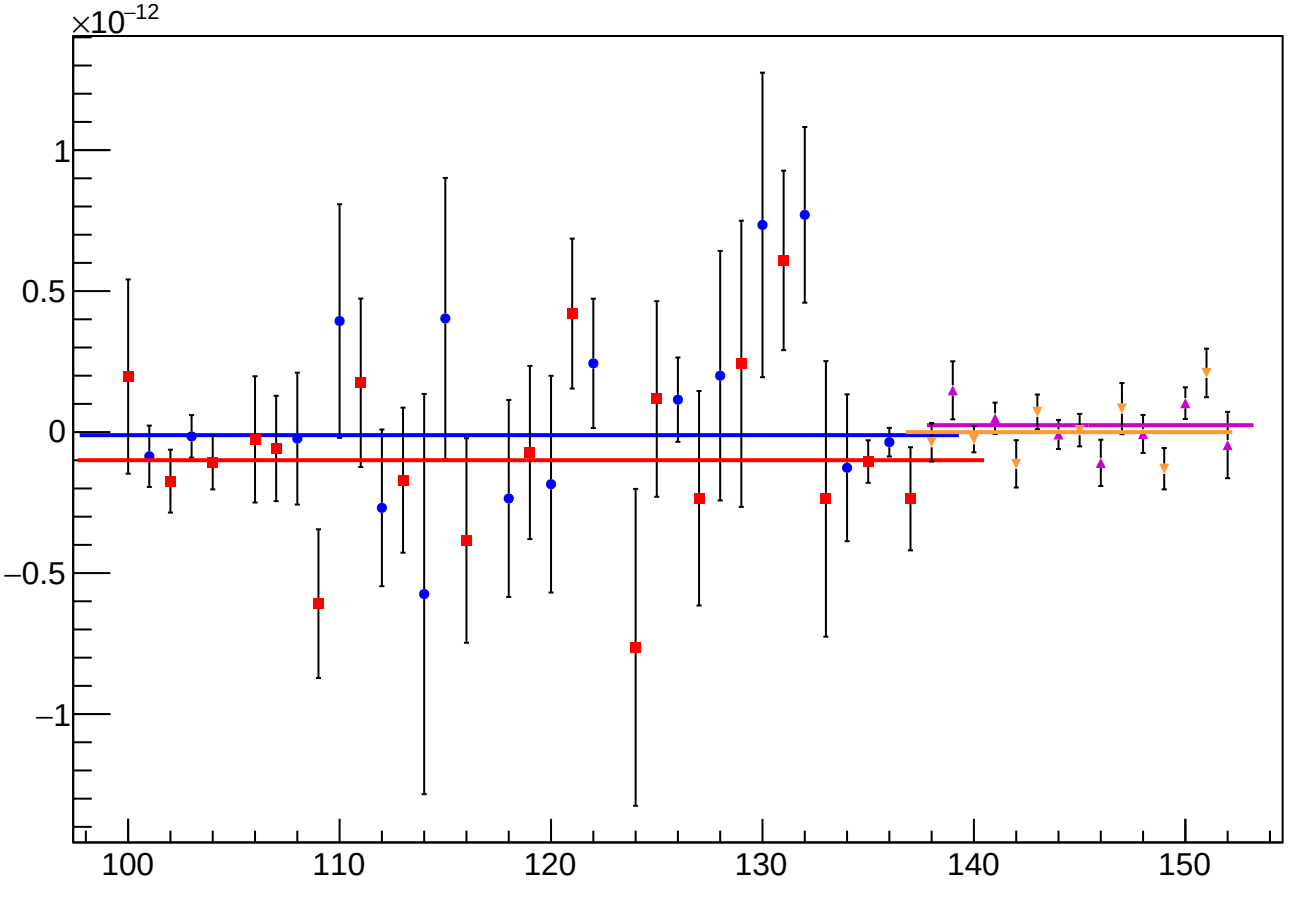
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 275.817+/-0.081 χ^2/NDF:408440.1/6

+ sign 209.228+/-0.043 χ^2/NDF: 2623946.8/23

All: 202.340+/-0.030 χ^2/NDF: 5794203.0/49

- sign 196.083+/-0.041 χ^2/NDF: 3121780.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/7

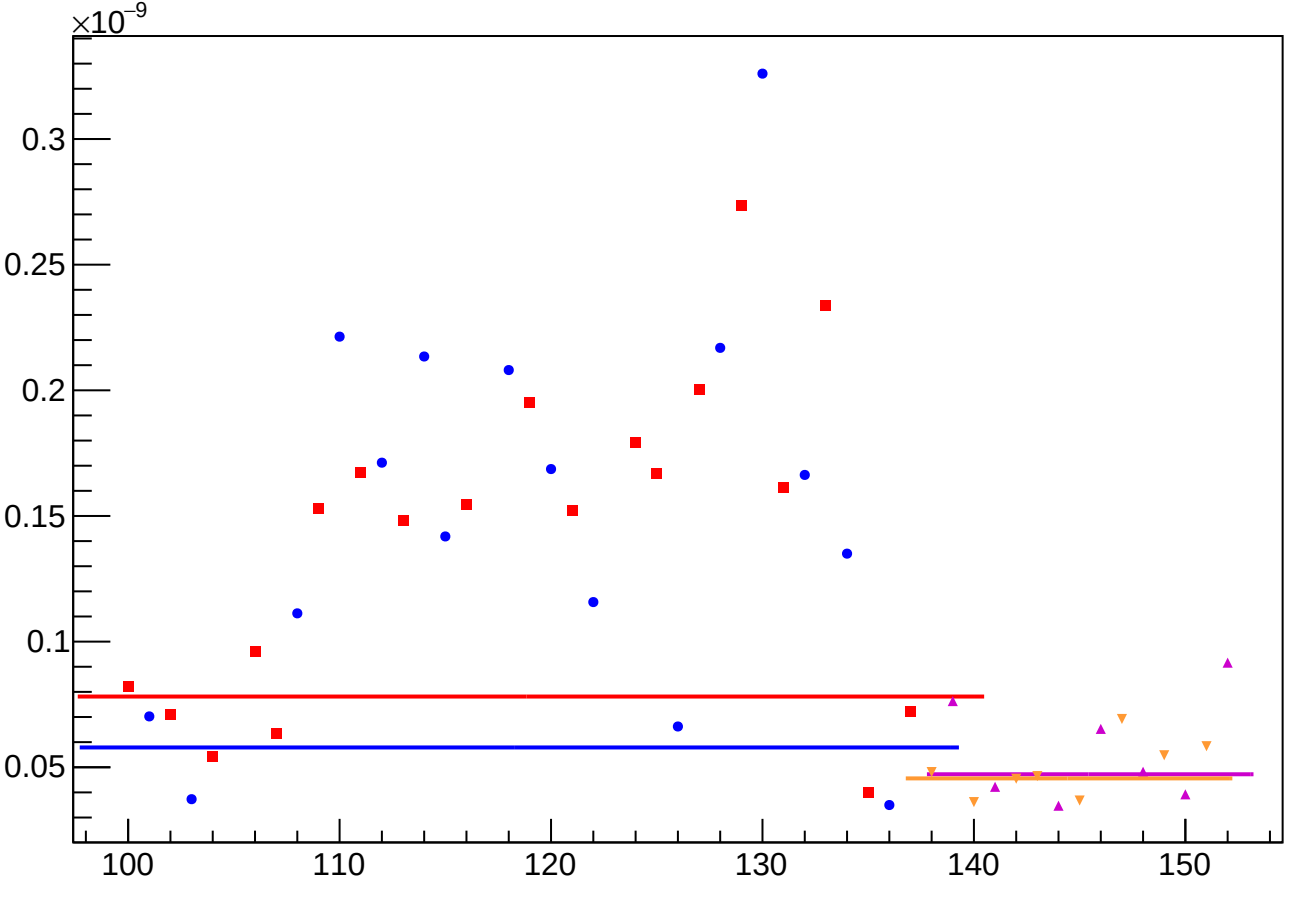
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 28.8/23

All: -0.000+/-0.000 χ^2/NDF: 60.8/49

- sign -0.000+/-0.000 χ^2/NDF: 32.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:345096.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

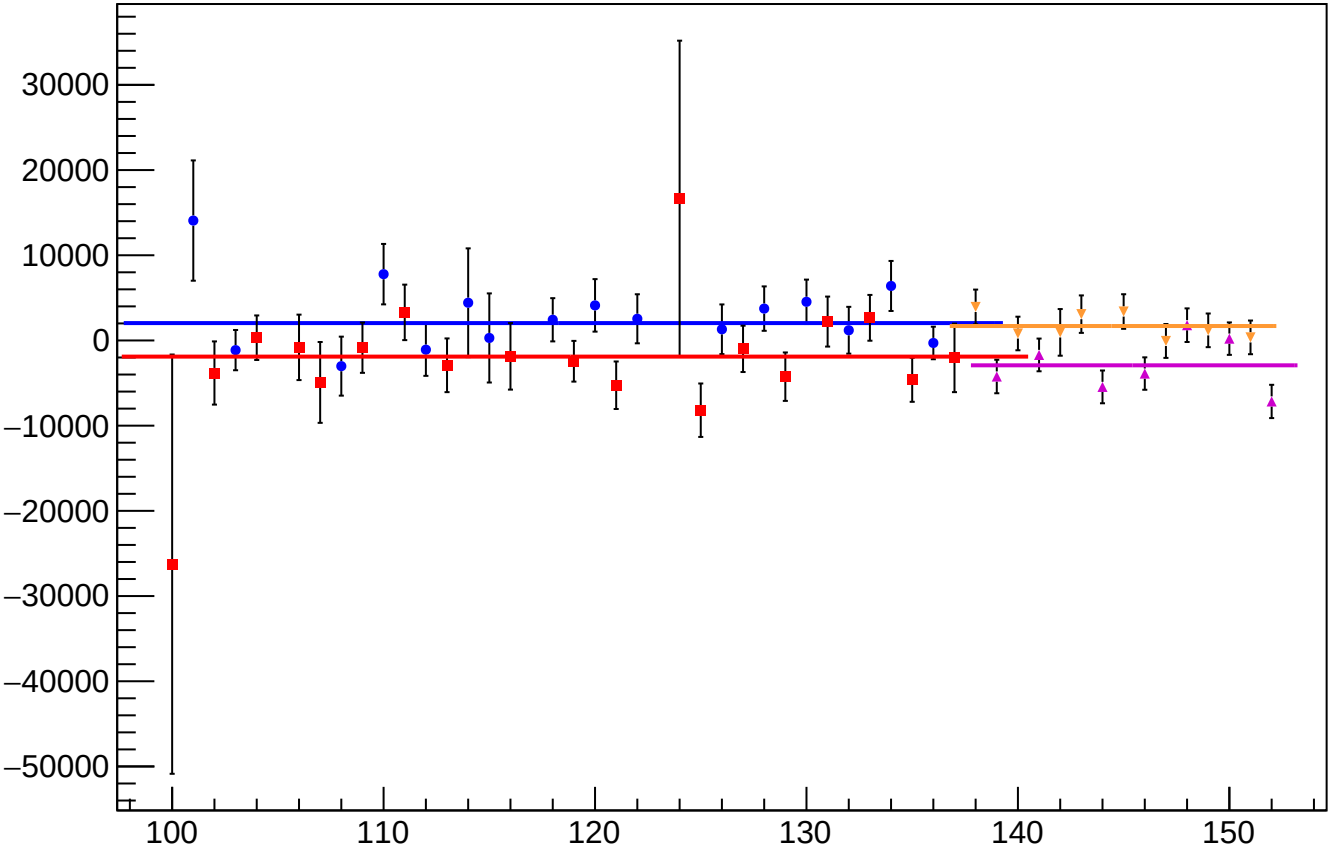
Left In: 0.000+/-0.000 χ^2/NDF:718033.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 3837644.6/23

All: 0.000+/-0.000 χ^2/NDF: 8167309.0/49

- sign 0.000+/-0.000 χ^2/NDF: 4241627.1/25

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1694.934+/-735.893 χ^2/NDF:3.9/7

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

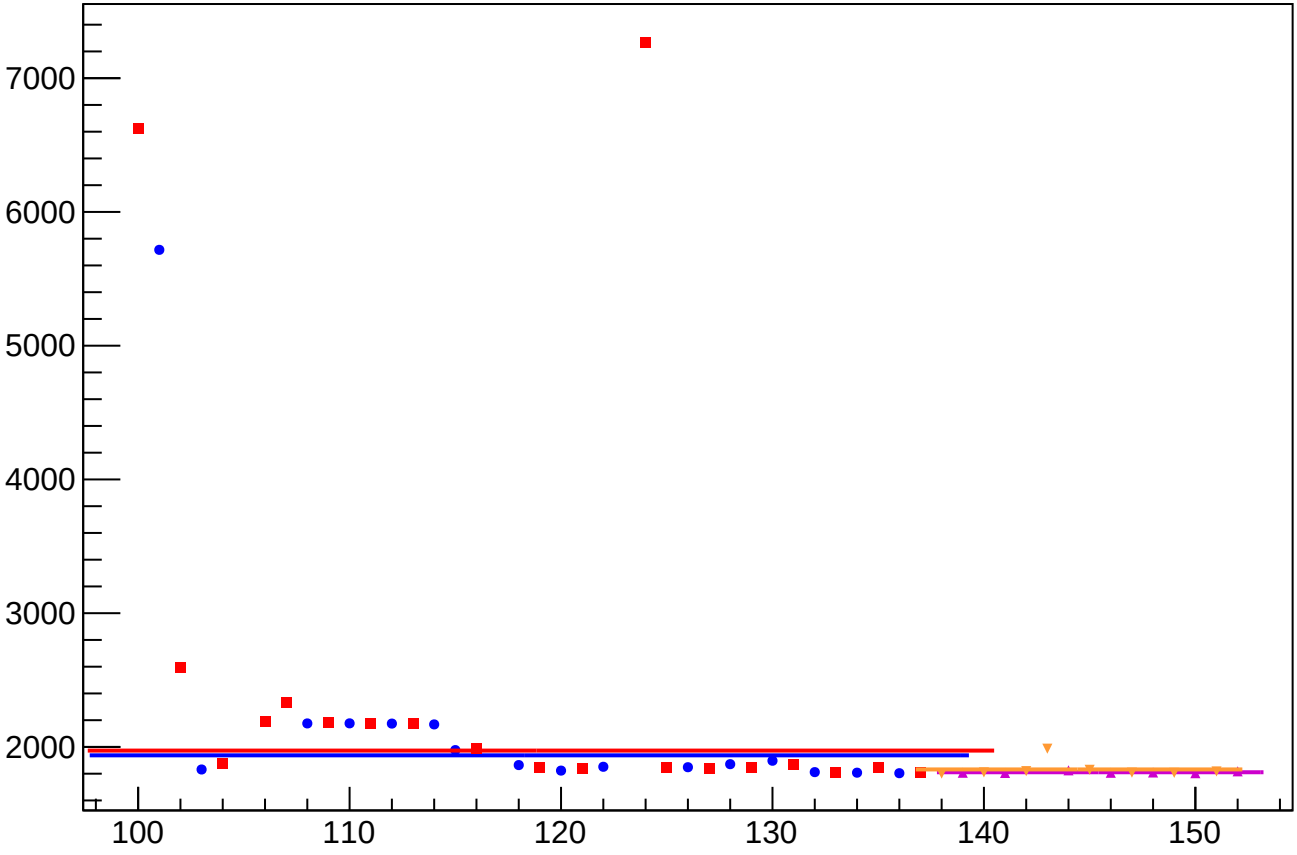
Left In: -2917.482+/-730.817 χ^2/NDF:16.0/6

+ sign 1866.998+/-520.467 χ^2/NDF: 20.4/23

All: -278.389+/-367.455 χ^2/NDF: 89.8/49

- sign -2410.503+/-518.855 χ^2/NDF: 35.4/25

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1831.845+/-0.520 χ^2/NDF:11455.9/7

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

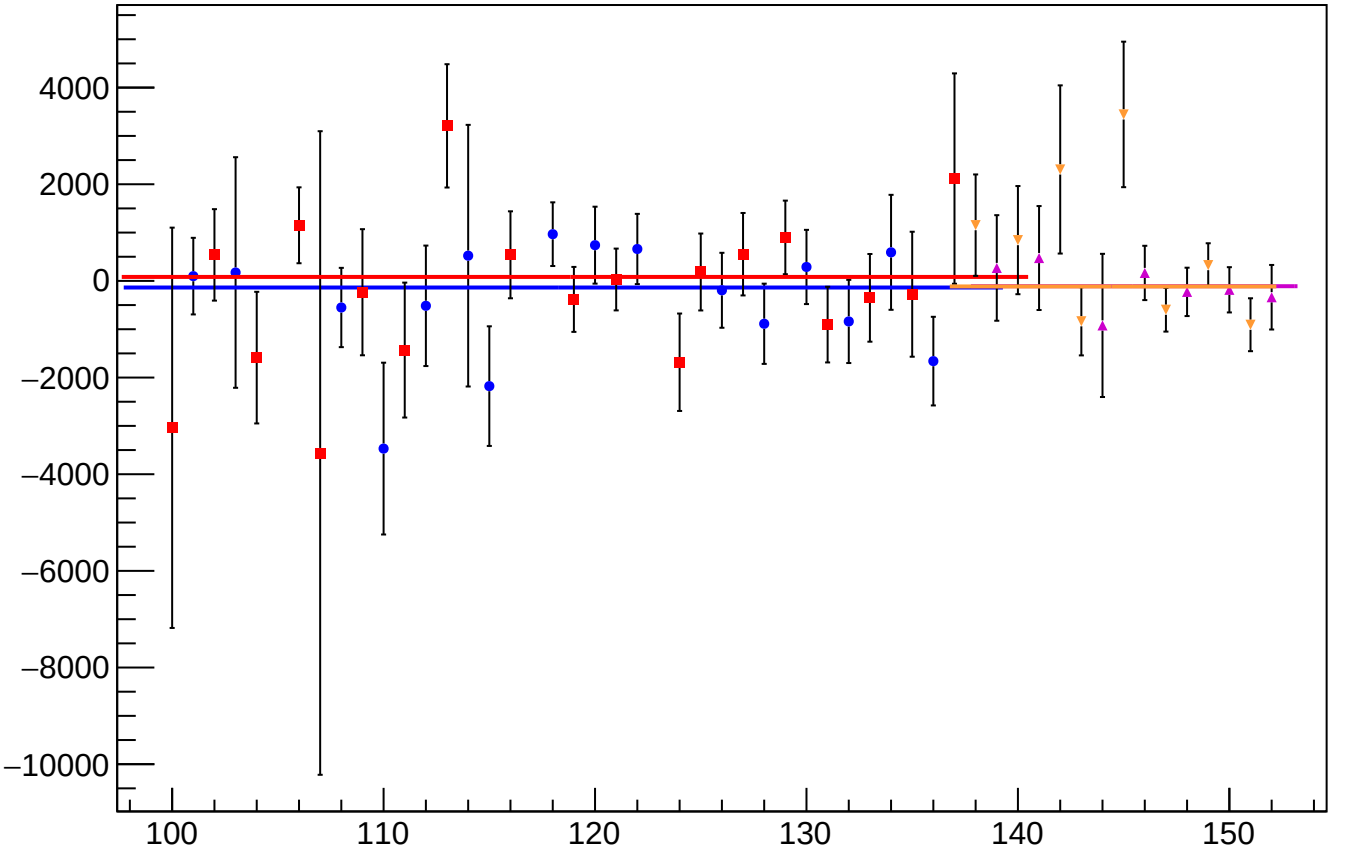
Left In: 1810.792+/-0.517 χ^2/NDF:194.5/6

+ sign 1884.525+/-0.368 χ^2/NDF: 670056.2/23

All: 1887.833+/-0.260 χ^2/NDF: 1096669.2/49

- sign 1891.120+/-0.367 χ^2/NDF: 426451.9/25

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -114.605+/-238.420 χ^2/NDF:14.9/7

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

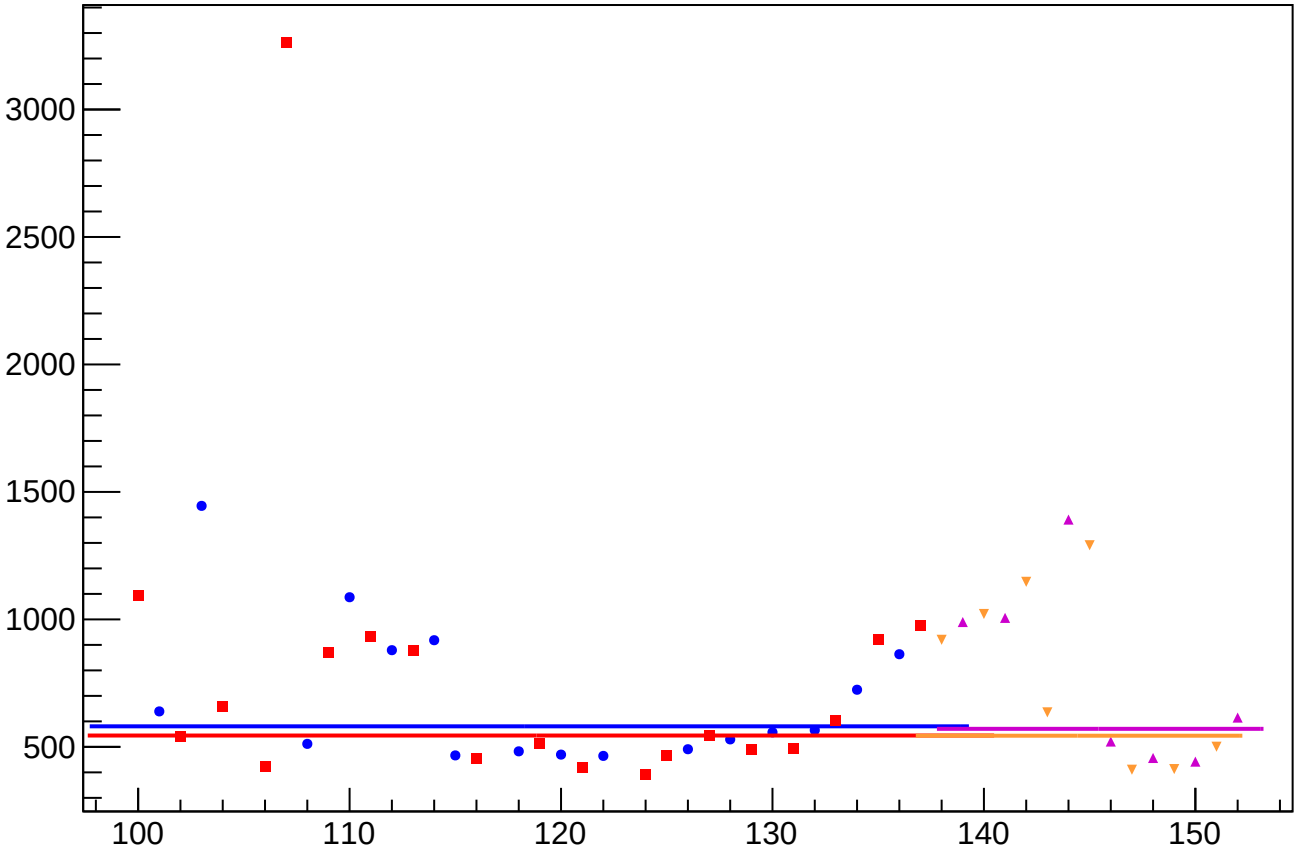
Left In: -109.663+/-249.039 χ^2/NDF:1.1/6

+ sign -125.999+/-165.692 χ^2/NDF: 31.8/23

All: -64.366+/-117.173 χ^2/NDF: 53.3/49

- sign -2.709+/-165.724 χ^2/NDF: 21.2/25

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 543.821+/-0.169 χ^2/NDF:1741711.4/7

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

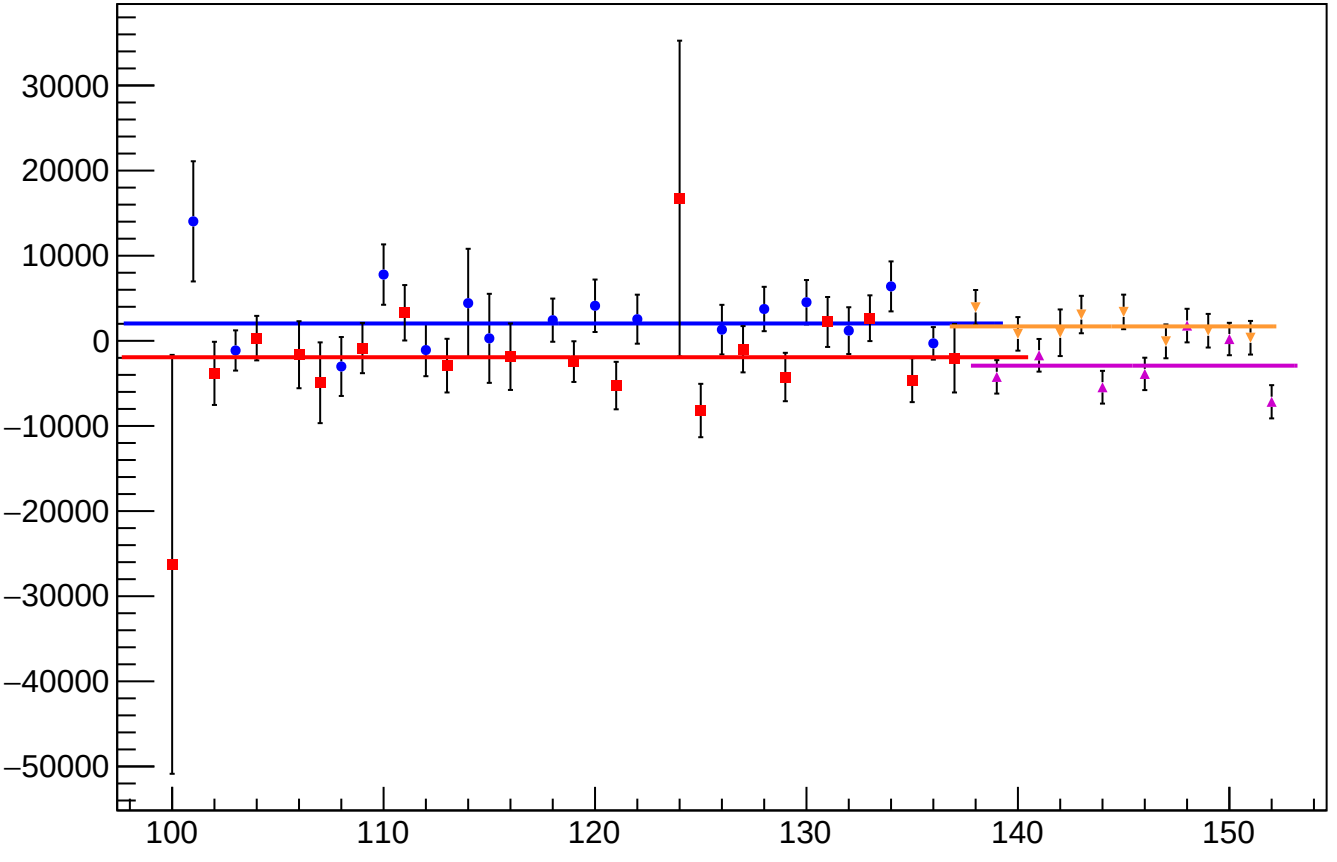
Left In: 570.761+/-0.176 χ^2/NDF:1515472.1/6

+ sign 562.842+/-0.117 χ^2/NDF: 2769744.4/23

All: 559.495+/-0.083 χ^2/NDF: 5586854.8/49

- sign 556.146+/-0.117 χ^2/NDF: 2815477.3/25

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1694.857+/-735.893 χ^2/NDF:3.9/7

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

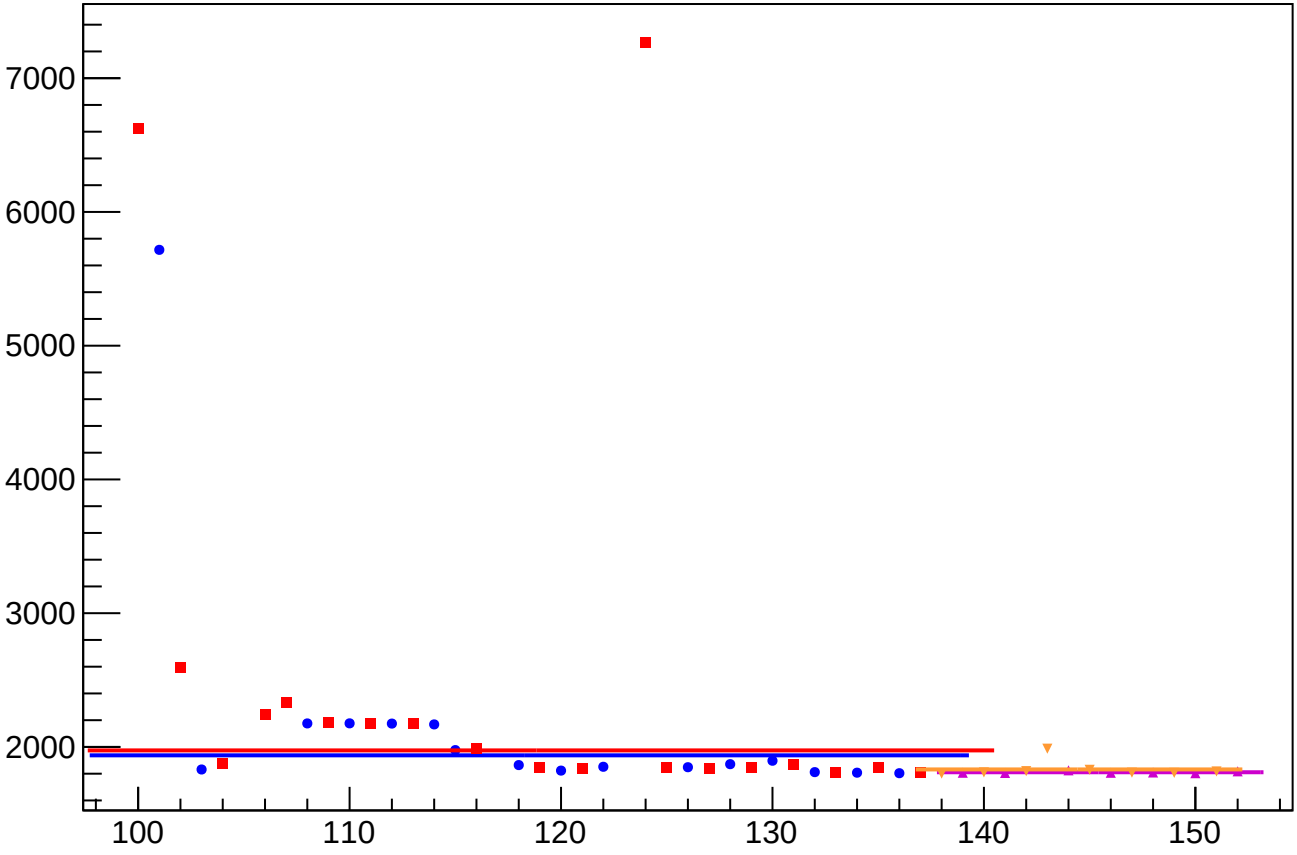
Left In: -2917.719+/-730.817 χ^2/NDF:16.0/6

+ sign 1866.775+/-520.467 χ^2/NDF: 20.4/23

All: -285.559+/-367.535 χ^2/NDF: 89.8/49

- sign -2426.443+/-519.081 χ^2/NDF: 35.3/25

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1831.845+/-0.520 χ^2/NDF:11455.9/7

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

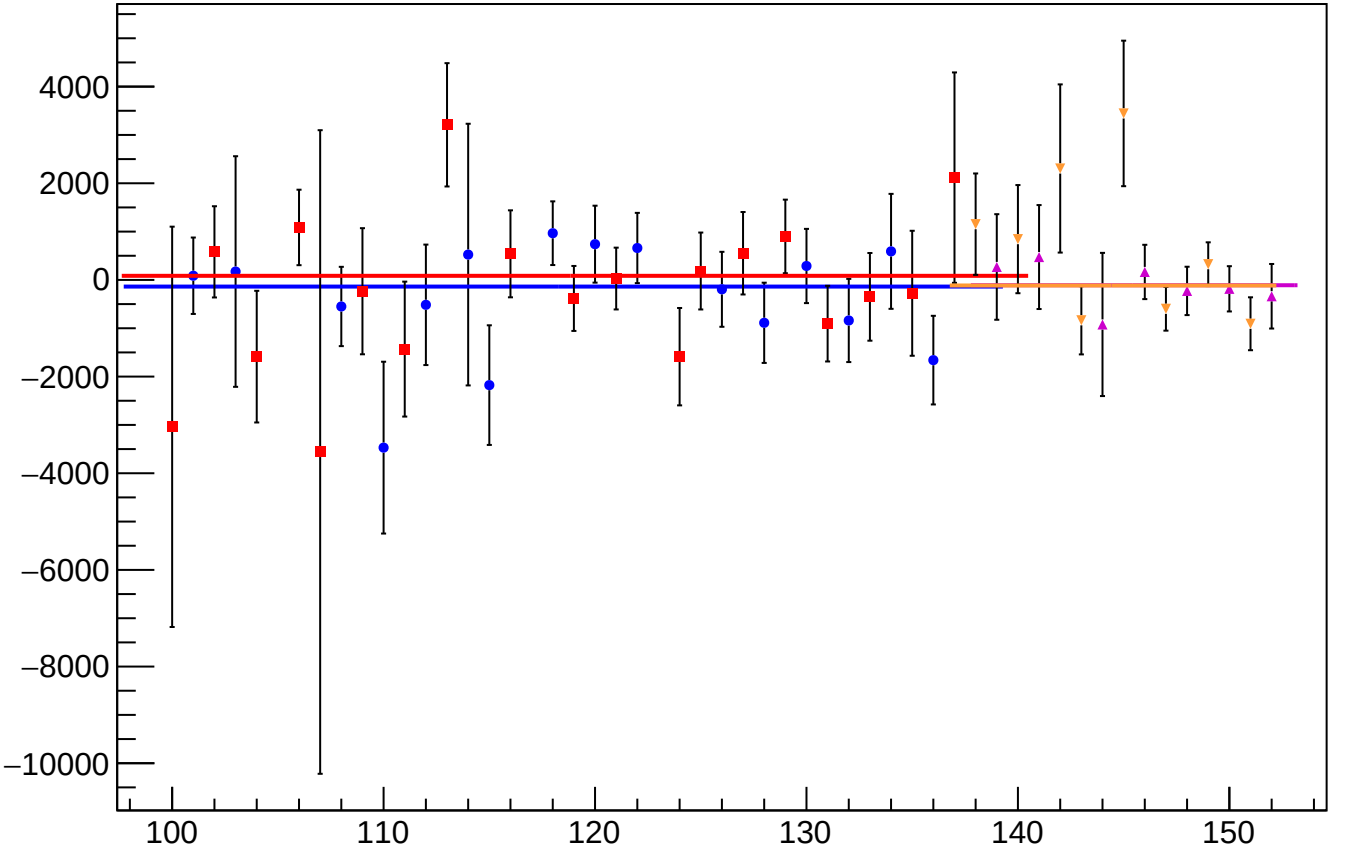
Left In: 1810.792+/-0.517 χ^2/NDF:194.5/6

+ sign 1884.525+/-0.368 χ^2/NDF: 670056.2/23

All: 1888.142+/-0.260 χ^2/NDF: 1100393.0/49

- sign 1891.740+/-0.367 χ^2/NDF: 430144.2/25

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -114.954+/-238.419 χ^2/NDF:14.9/7

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

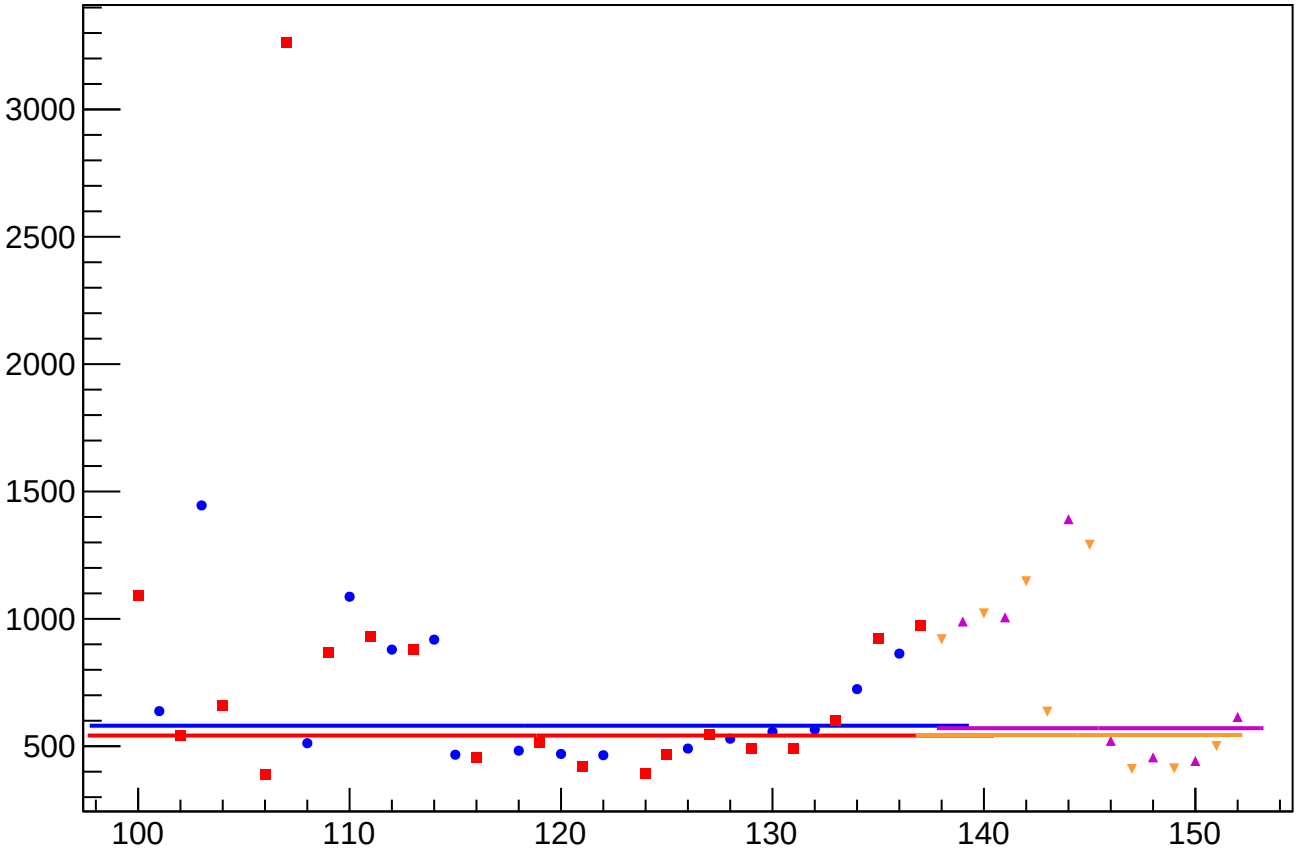
Left In: -109.667+/-249.041 χ^2/NDF:1.2/6

+ sign -126.609+/-165.673 χ^2/NDF: 31.8/23

All: -63.888+/-117.146 χ^2/NDF: 52.9/49

- sign -1.173+/-165.667 χ^2/NDF: 20.8/25

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 543.817+/-0.169 χ^2/NDF:1741704.4/7

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

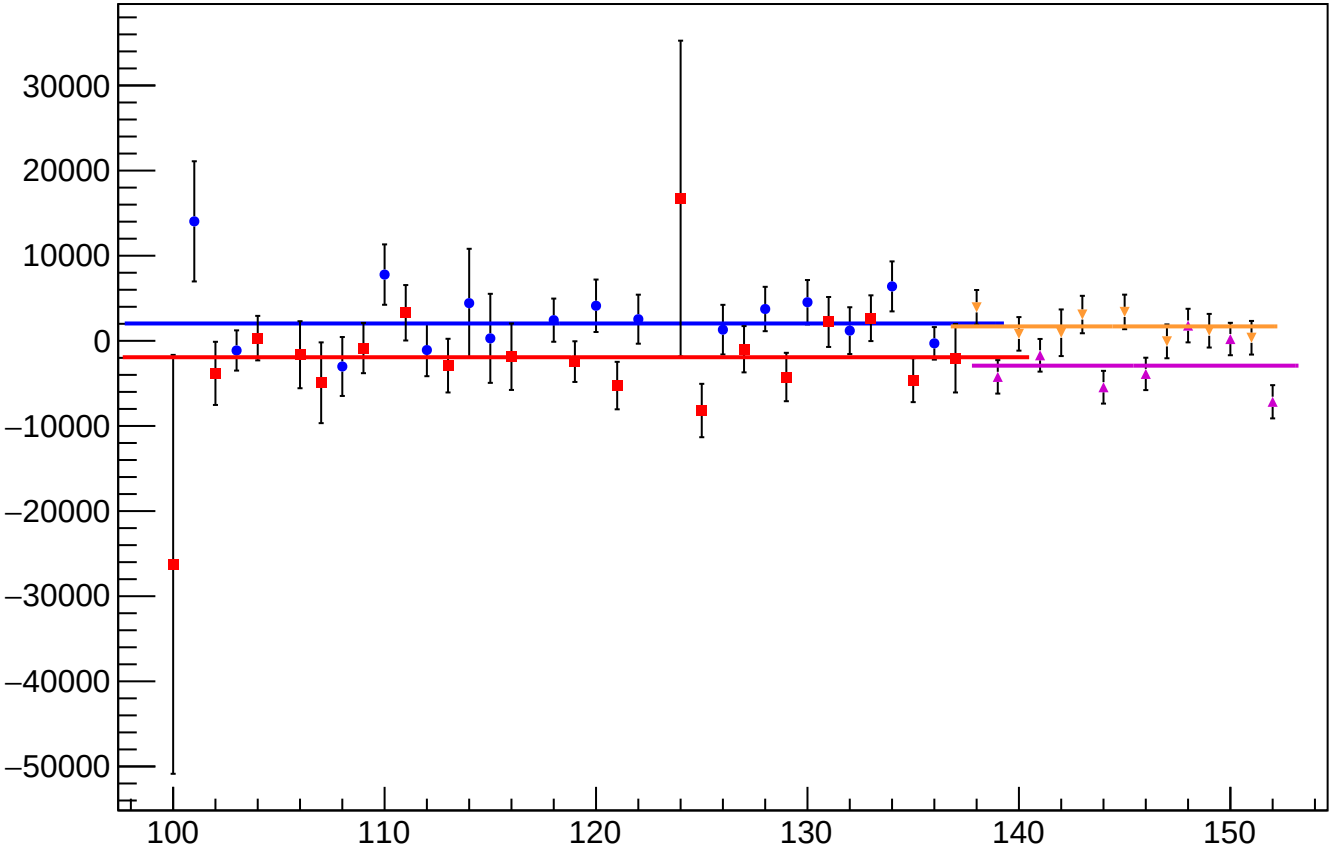
Left In: 570.764+/-0.176 χ^2/NDF:1515479.1/6

+ sign 562.797+/-0.117 χ^2/NDF: 2769114.6/23

All: 558.745+/-0.083 χ^2/NDF: 5620772.8/49

- sign 554.694+/-0.117 χ^2/NDF: 2849266.3/25

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1694.857+/-735.893 χ^2/NDF:3.9/7

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

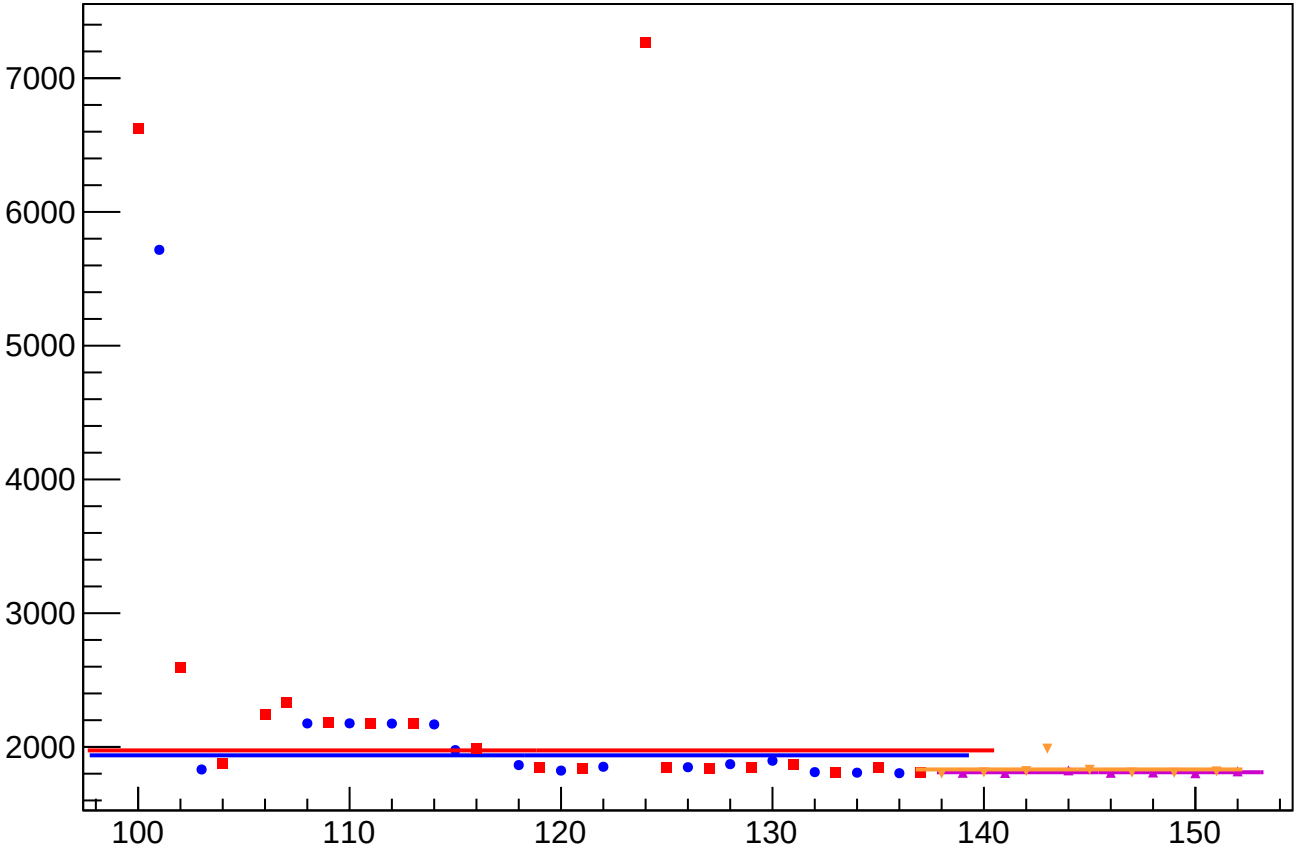
Left In: -2917.719+/-730.817 χ^2/NDF:16.0/6

+ sign 1866.775+/-520.467 χ^2/NDF: 20.4/23

All: -285.559+/-367.535 χ^2/NDF: 89.8/49

- sign -2426.443+/-519.081 χ^2/NDF: 35.3/25

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1831.845+/-0.520 χ^2/NDF:11455.9/7

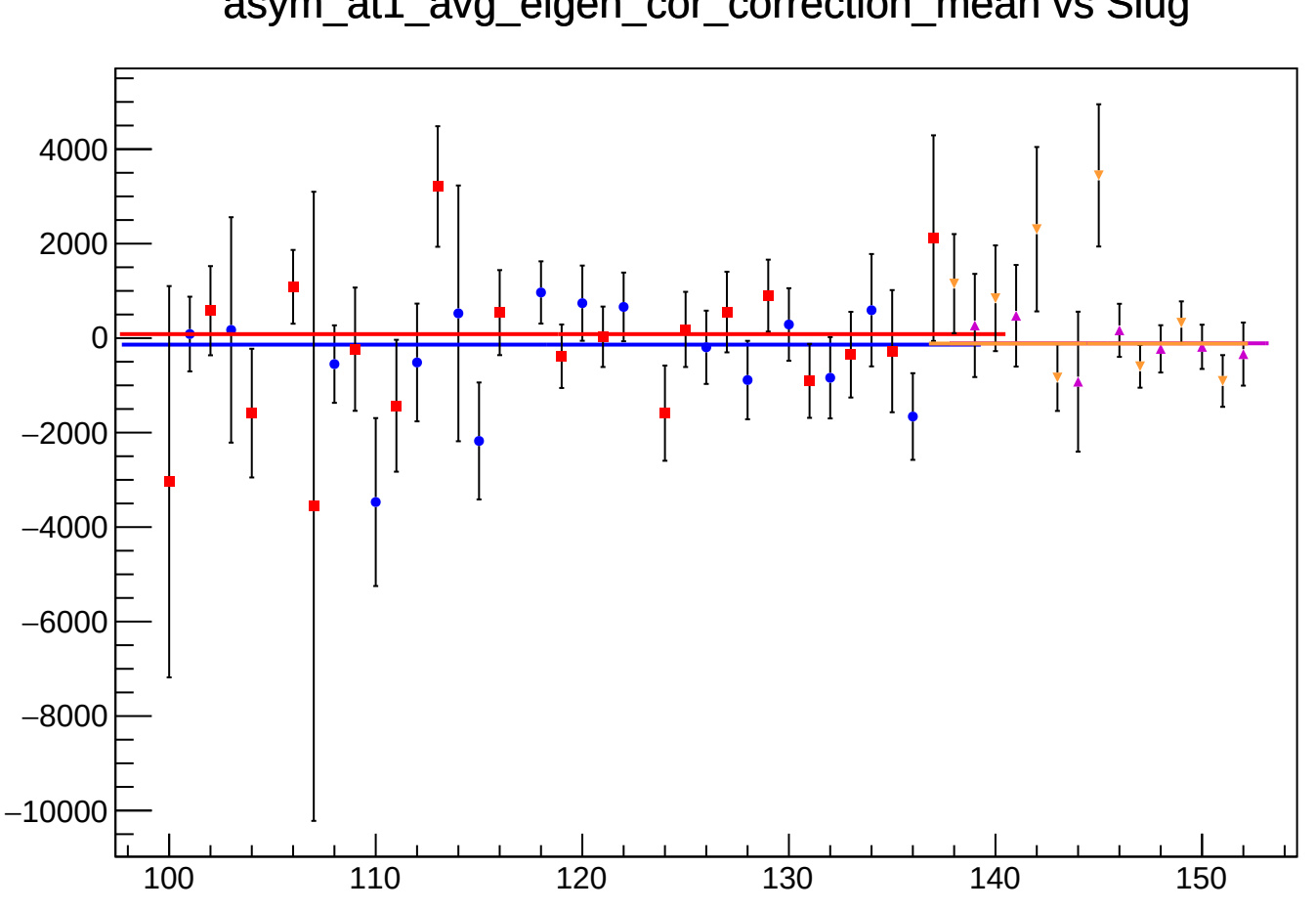
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.792+/-0.517 χ^2/NDF:194.5/6

+ sign 1884.525+/-0.368 χ^2/NDF: 670056.2/23

All: 1888.142+/-0.260 χ^2/NDF: 1100393.0/49

- sign 1891.740+/-0.367 χ^2/NDF: 430144.2/25



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -114.954+/-238.419 χ^2/NDF:14.9/7

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

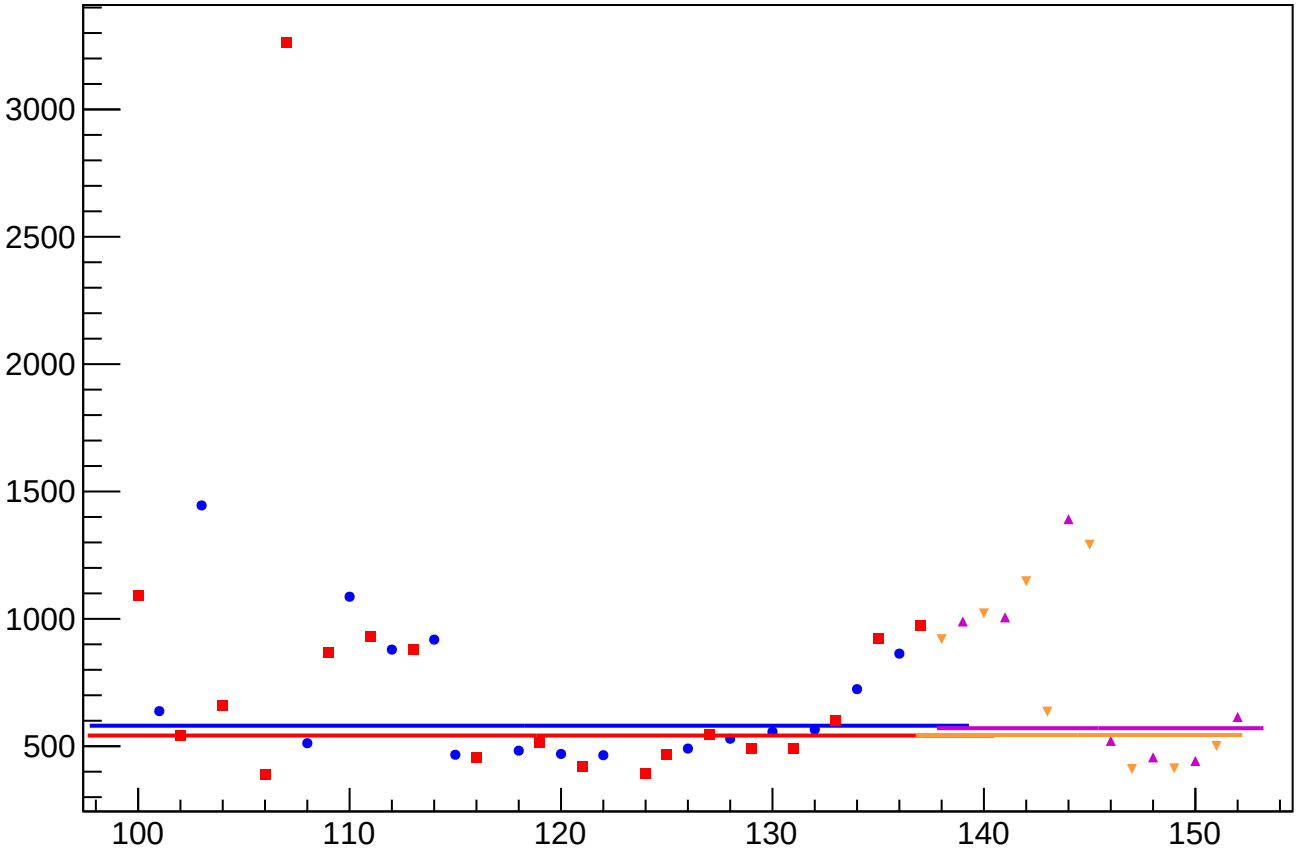
Left In: -109.667+/-249.041 χ^2/NDF:1.2/6

+ sign -126.609+/-165.673 χ^2/NDF: 31.8/23

All: -63.888+/-117.146 χ^2/NDF: 52.9/49

- sign -1.173+/-165.667 χ^2/NDF: 20.8/25

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 543.817+/-0.169 χ^2/NDF:1741704.4/7

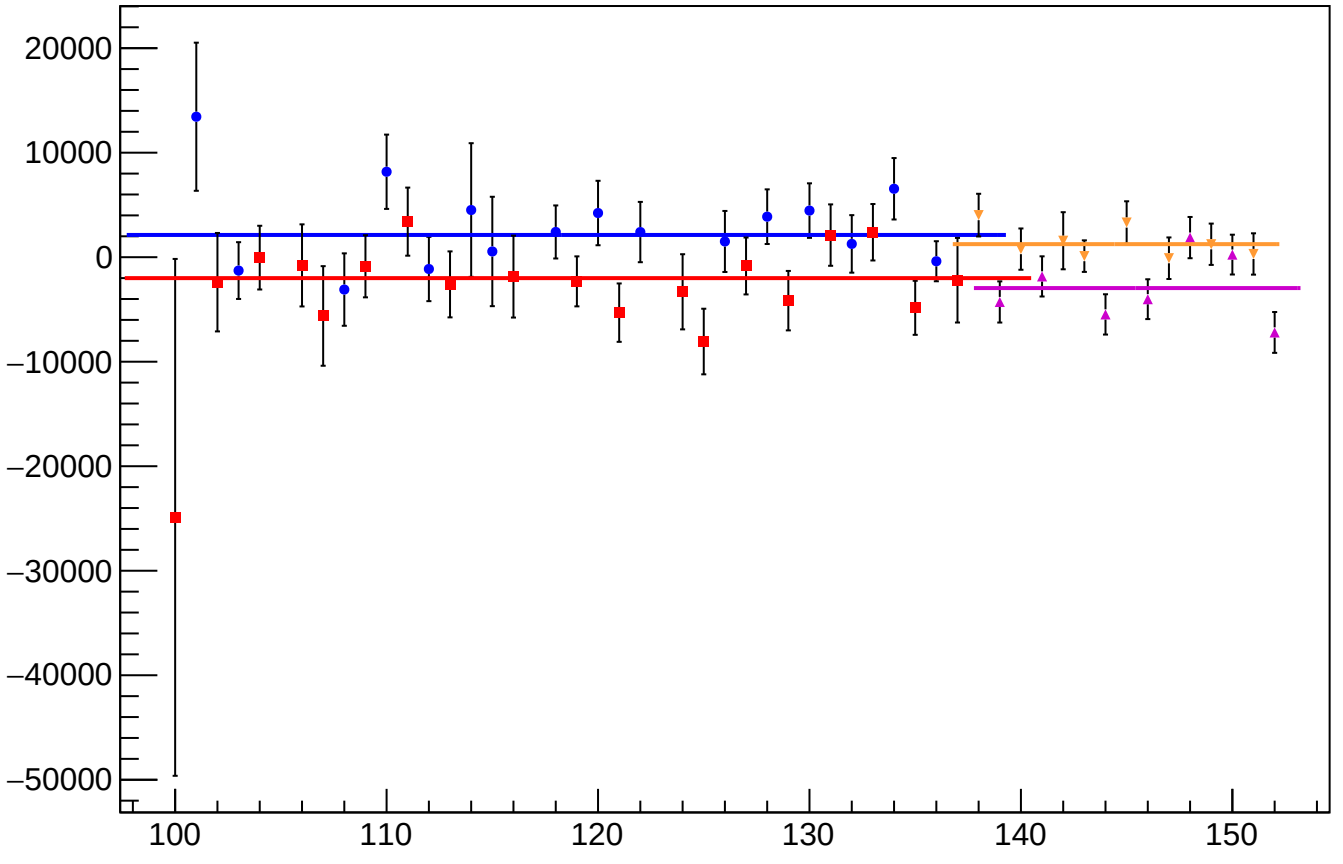
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 570.764+/-0.176 χ^2/NDF:1515479.1/6

+ sign 562.797+/-0.117 χ^2/NDF: 2769114.6/23

All: 558.745+/-0.083 χ^2/NDF: 5620772.8/49

- sign 554.694+/-0.117 χ^2/NDF: 2849266.3/25



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1249.189+/-694.212 χ^2/NDF:4.2/7

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

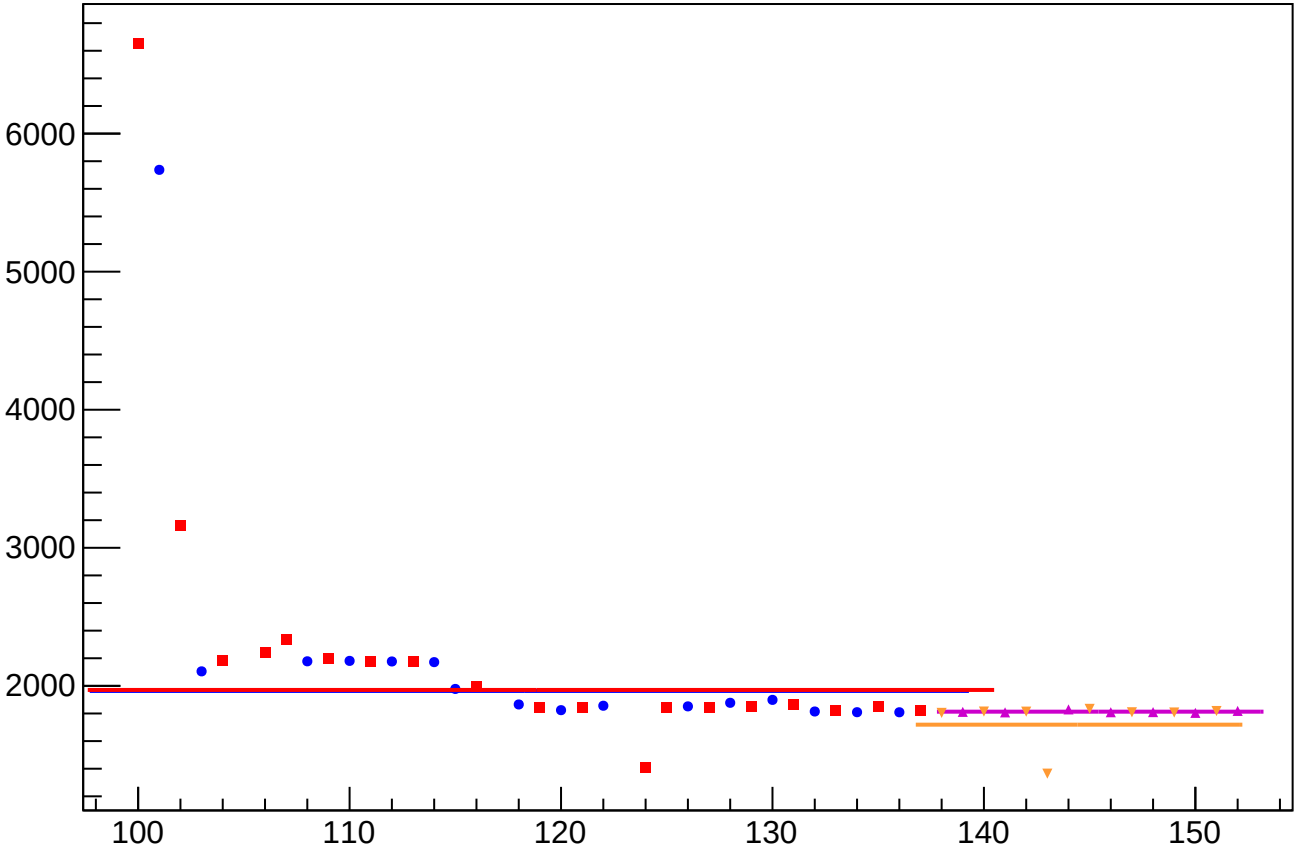
Left In: -2954.465+/-731.783 χ^2/NDF:16.3/6

+ sign 1657.240+/-508.281 χ^2/NDF: 21.5/23

All: -367.722+/-363.260 χ^2/NDF: 87.8/49

- sign -2481.851+/-519.352 χ^2/NDF: 33.9/25

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1718.992+/-0.491 χ^2/NDF:140267.6/7

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

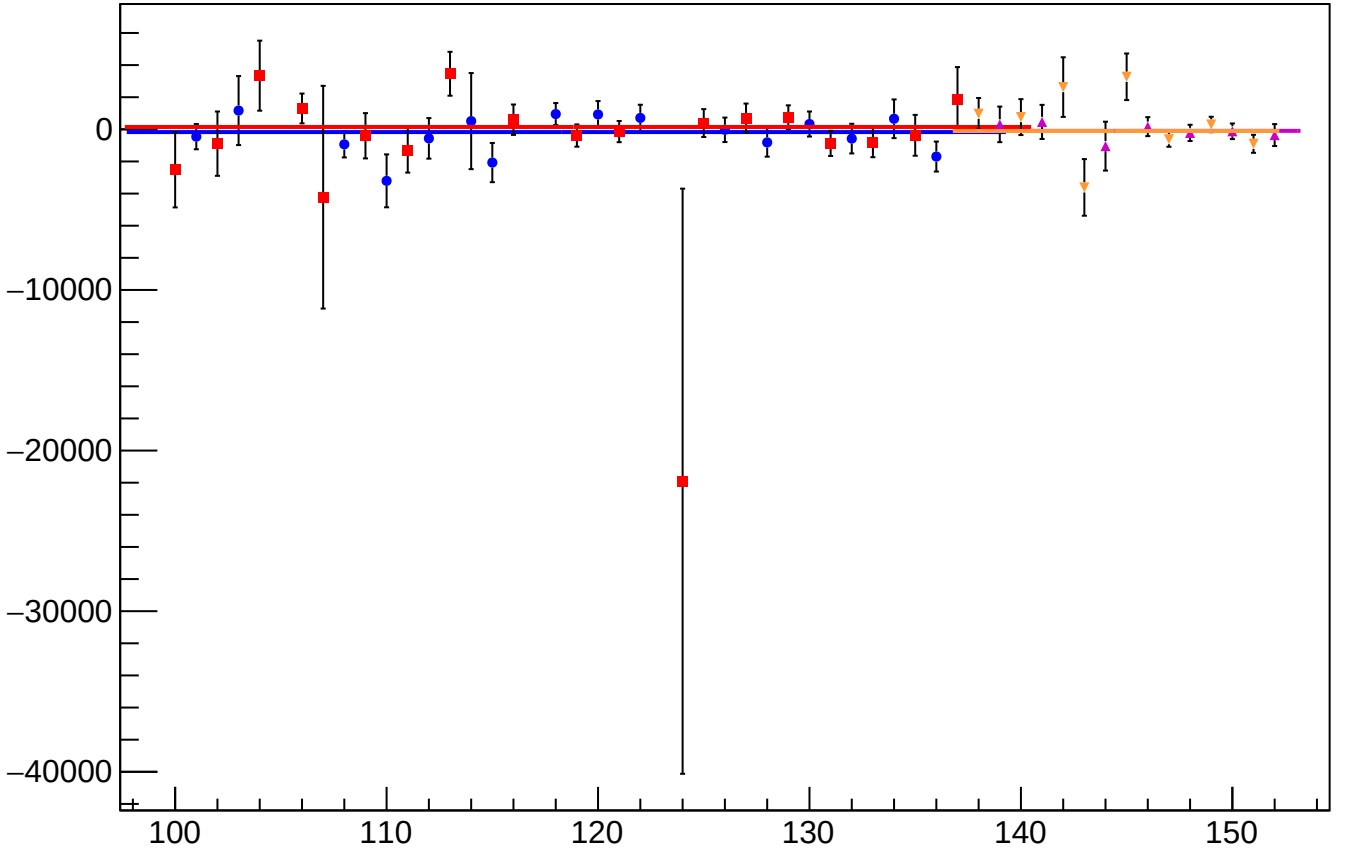
Left In: 1813.141+/-0.517 χ^2/NDF:230.9/6

+ sign 1832.386+/-0.359 χ^2/NDF: 895542.9/23

All: 1861.170+/-0.257 χ^2/NDF: 1299892.2/49

- sign 1891.221+/-0.367 χ^2/NDF: 391239.5/25

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -104.758+/-258.859 χ^2/NDF:17.2/7

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

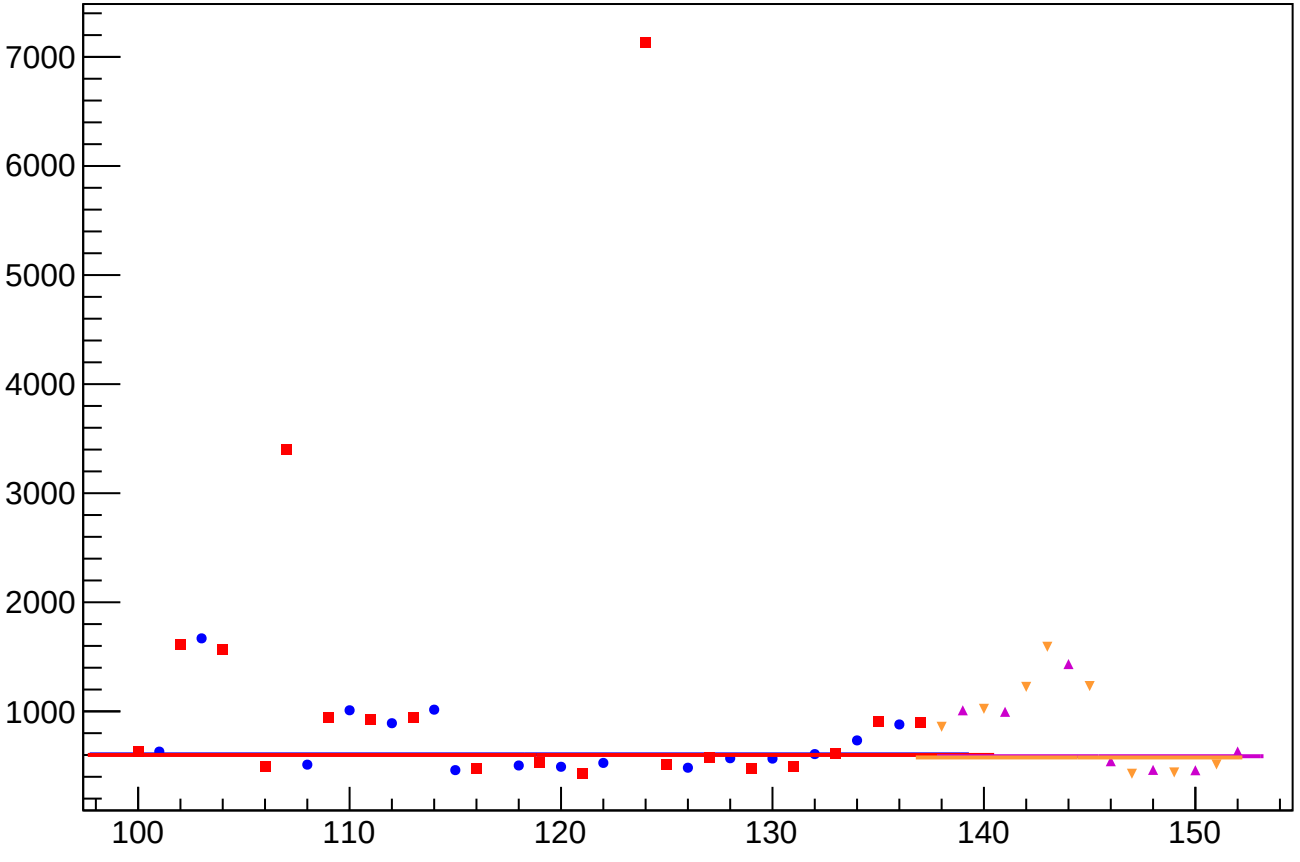
Left In: -95.232+/-255.869 χ^2/NDF:1.2/6

\+ sign -140.683+/-174.767 χ^2/NDF: 34.5/23

All: -54.789+/-124.062 χ^2/NDF: 56.8/49

\- sign 32.462+/-176.143 χ^2/NDF: 21.8/25

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 577.367+/-0.183 χ^2/NDF:2185516.6/7

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

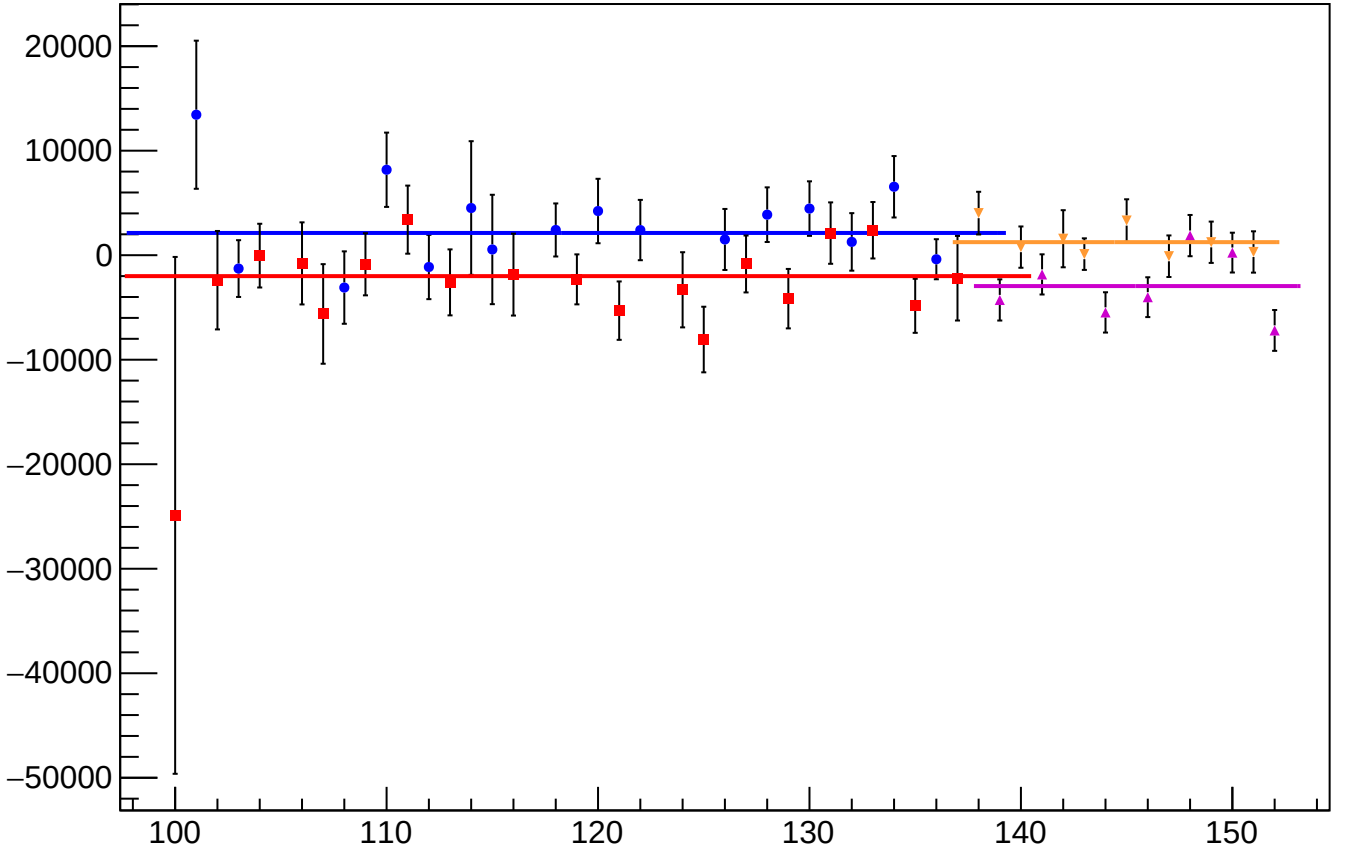
Left In: 588.670+/-0.181 χ^2/NDF:1480967.2/6

+ sign 592.638+/-0.124 χ^2/NDF: 3360761.6/23

All: 593.743+/-0.088 χ^2/NDF: 7172642.7/49

- sign 594.866+/-0.125 χ^2/NDF: 3811720.0/25

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1249.191+/-694.212 χ^2/NDF:4.2/7

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

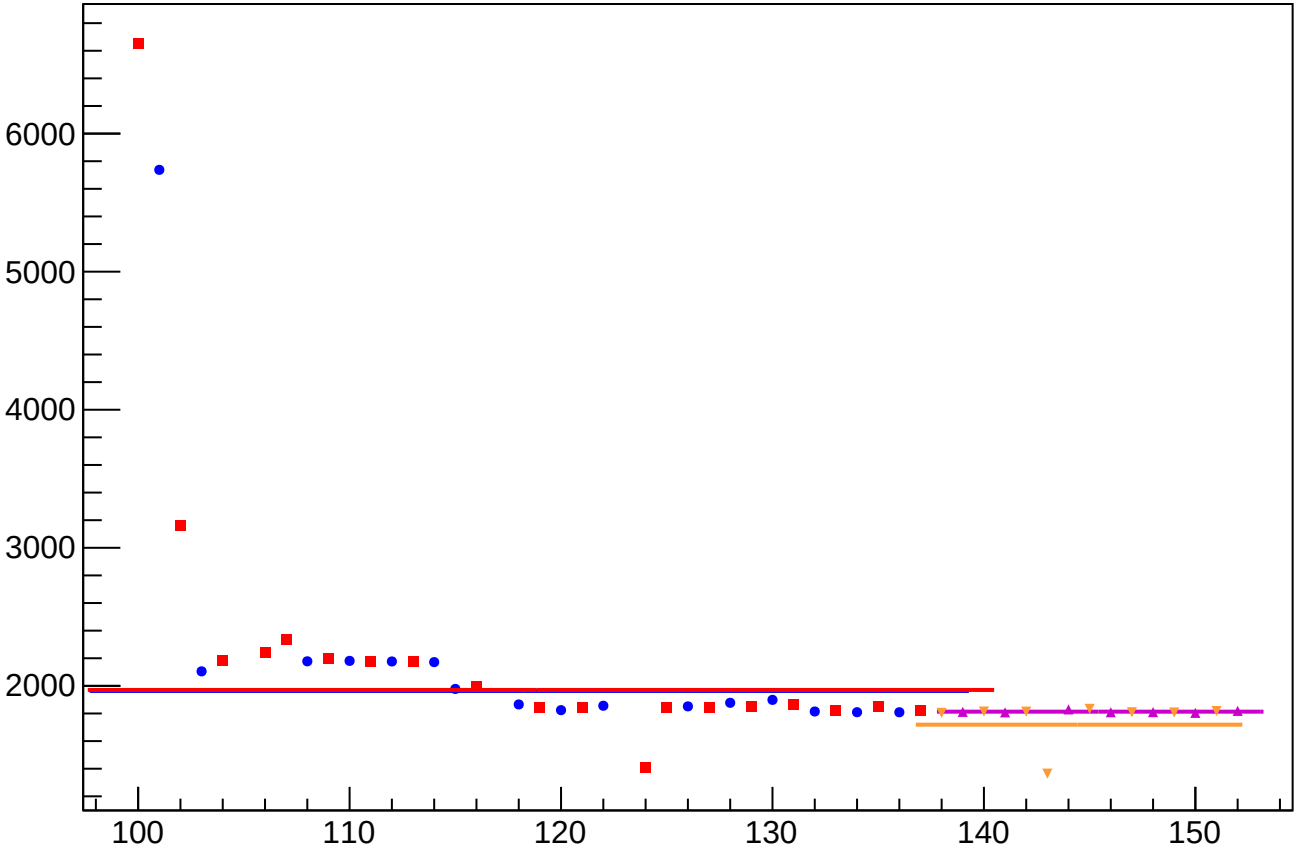
Left In: -2954.465+/-731.783 χ^2/NDF:16.3/6

+ sign 1657.239+/-508.281 χ^2/NDF: 21.5/23

All: -367.722+/-363.260 χ^2/NDF: 87.8/49

- sign -2481.850+/-519.351 χ^2/NDF: 33.9/25

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1718.992+/-0.491 χ^2/NDF:140267.6/7

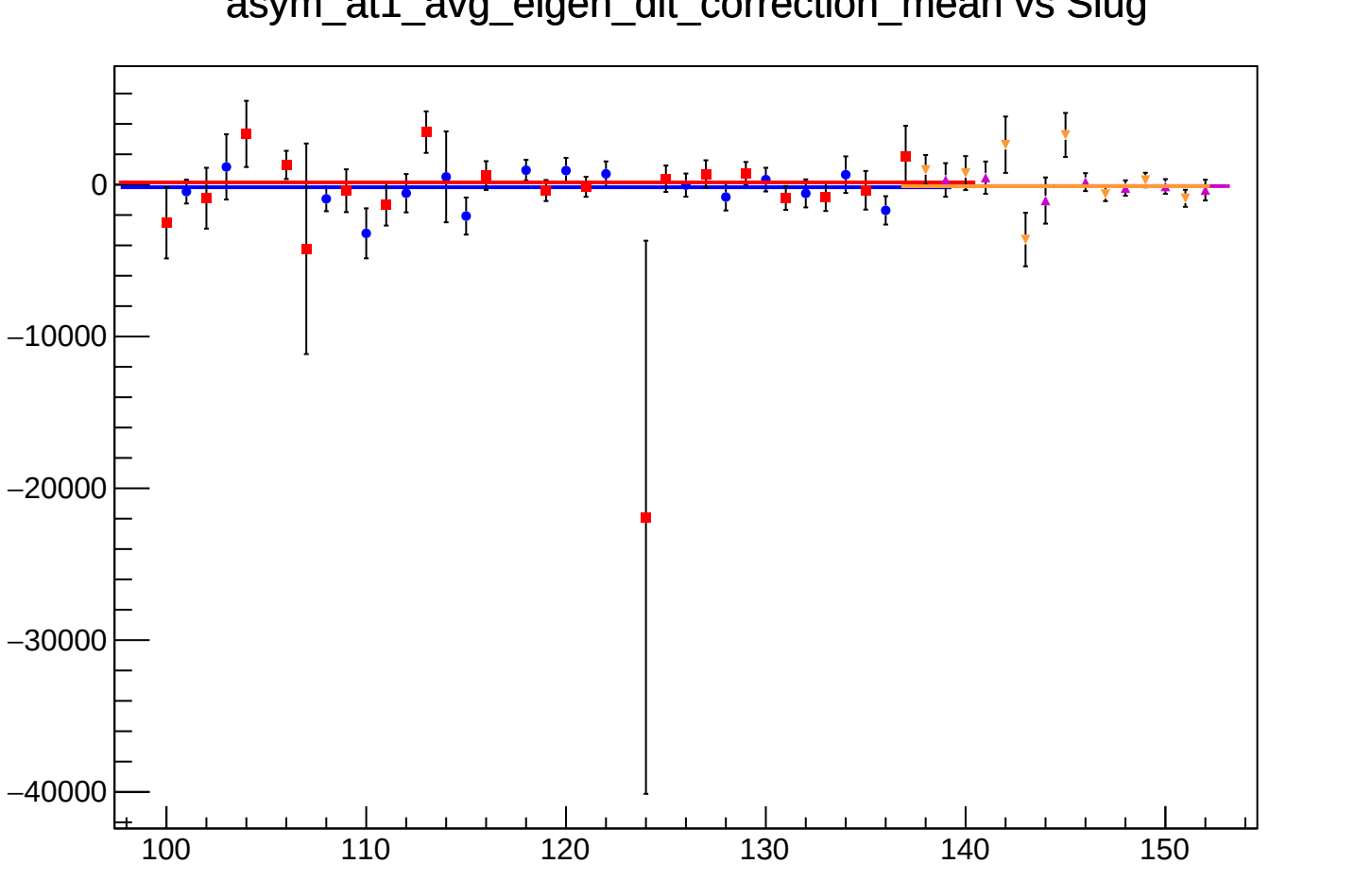
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1813.141+/-0.517 χ^2/NDF:230.9/6

+ sign 1832.386+/-0.359 χ^2/NDF: 895542.4/23

All: 1861.170+/-0.257 χ^2/NDF: 1299890.2/49

- sign 1891.221+/-0.367 χ^2/NDF: 391238.1/25



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -104.758+/-258.860 χ^2/NDF:17.2/7

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

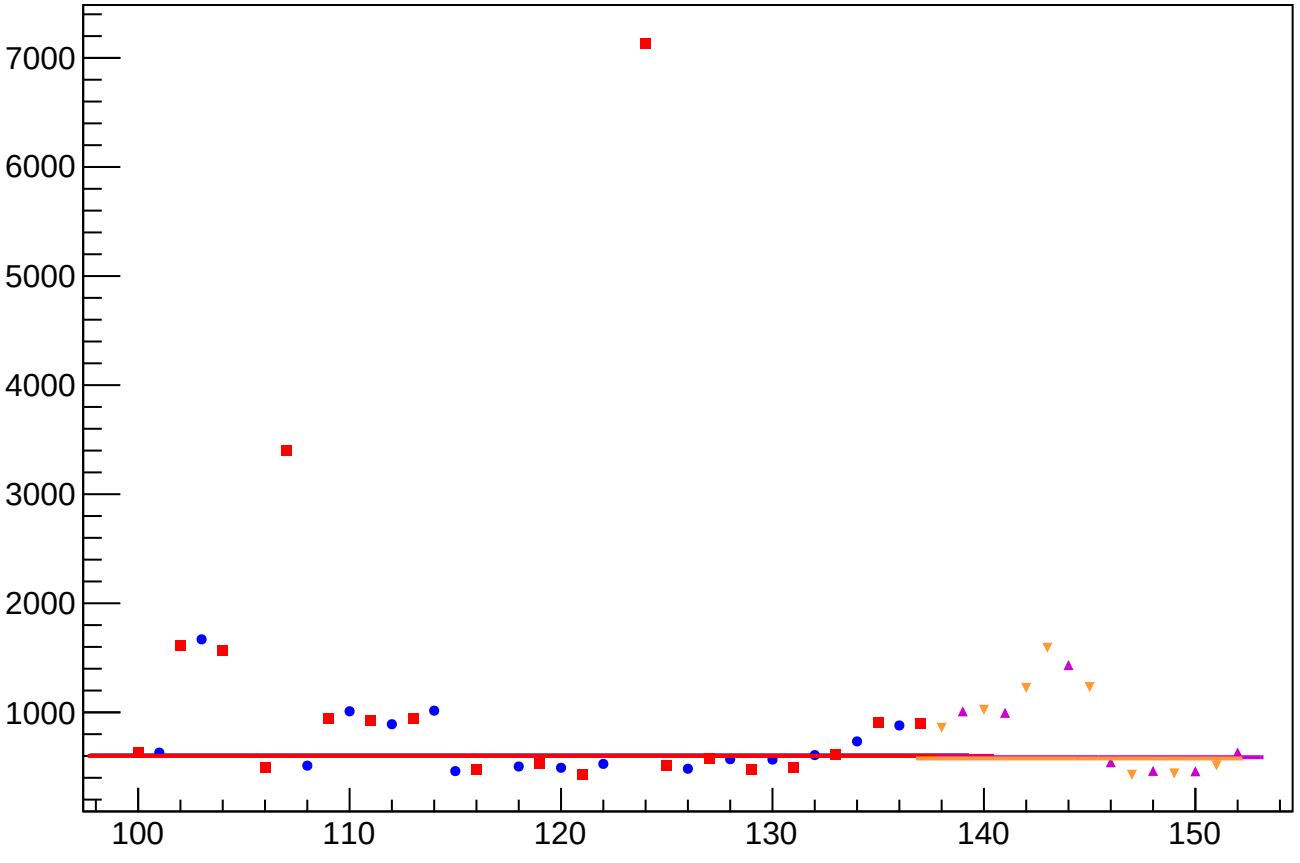
Left In: -95.232+/-255.869 χ^2/NDF:1.2/6

+ sign -140.682+/-174.767 χ^2/NDF: 34.5/23

All: -54.789+/-124.062 χ^2/NDF: 56.8/49

- sign 32.461+/-176.143 χ^2/NDF: 21.8/25

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 577.369+/-0.183 χ^2/NDF:2185511.8/7

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

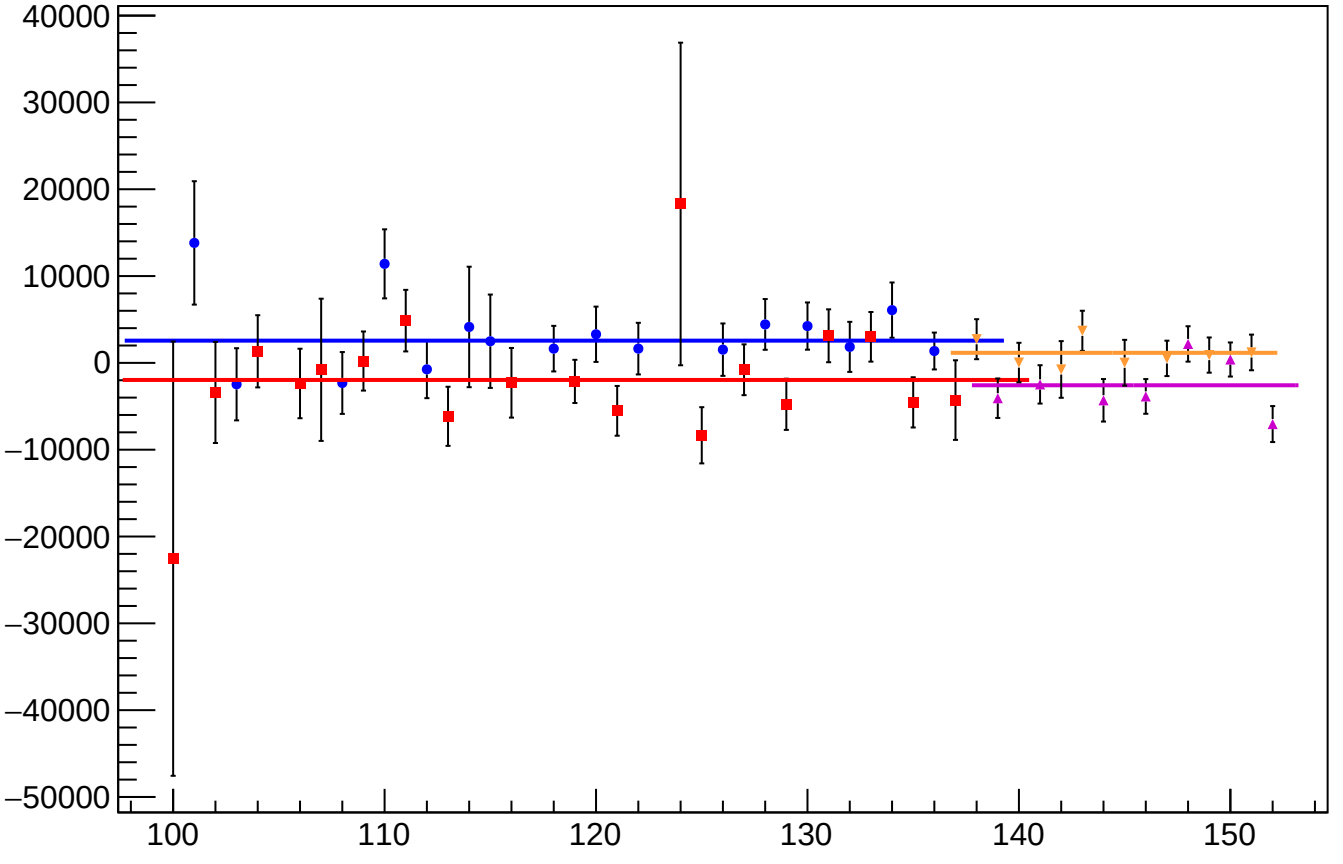
Left In: 588.671+/-0.181 χ^2/NDF:1480964.1/6

+ sign 592.638+/-0.124 χ^2/NDF: 3360762.7/23

All: 593.743+/-0.088 χ^2/NDF: 7172648.1/49

- sign 594.866+/-0.125 χ^2/NDF: 3811724.2/25

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1159.855+/-809.309 χ^2/NDF:2.6/7

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

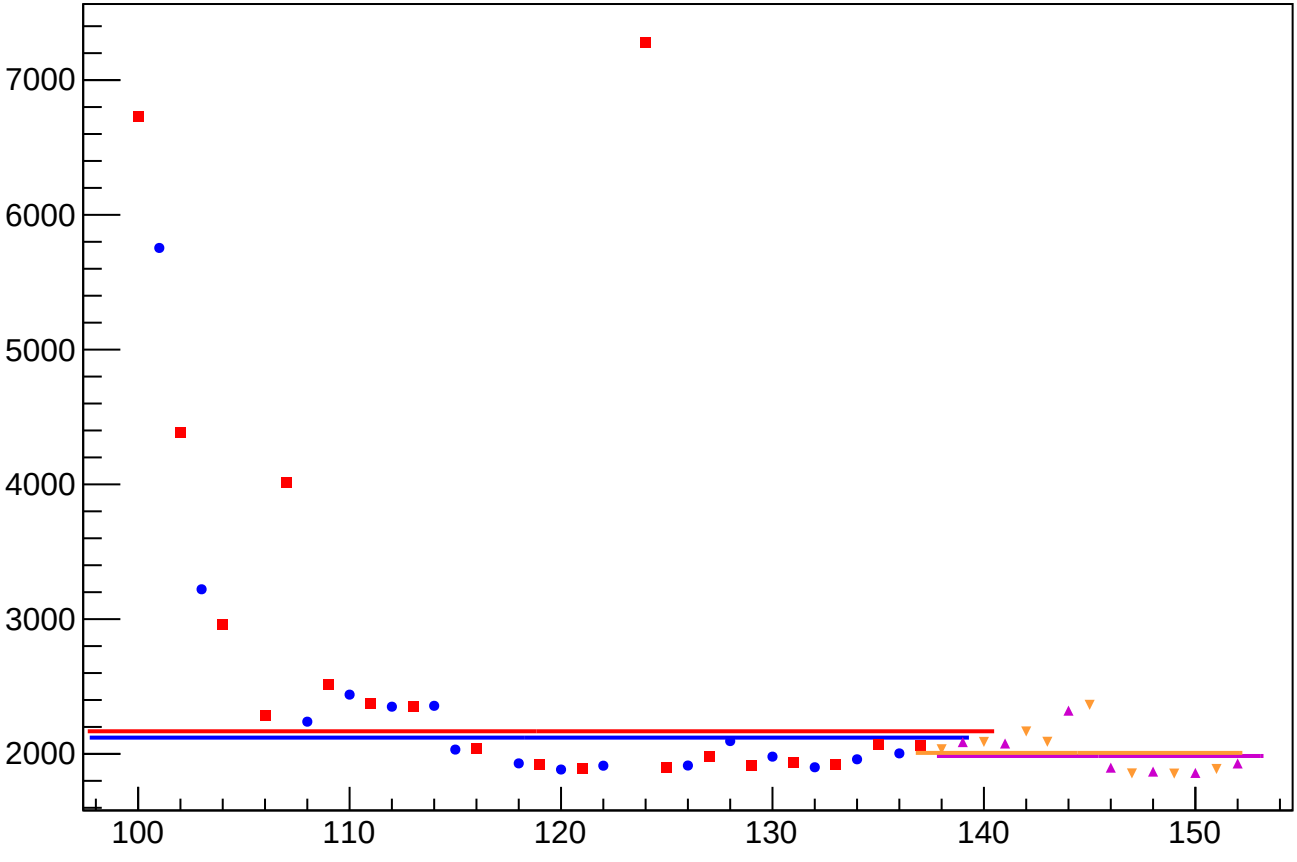
Left In: -2579.433+/-803.537 χ^2/NDF:13.7/6

+ sign 1860.110+/-572.391 χ^2/NDF: 18.7/23

All: -205.299+/-405.140 χ^2/NDF: 80.4/49

- sign -2278.861+/-573.520 χ^2/NDF: 35.6/25

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2007.423+/-0.572 χ^2/NDF:76083.8/7

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

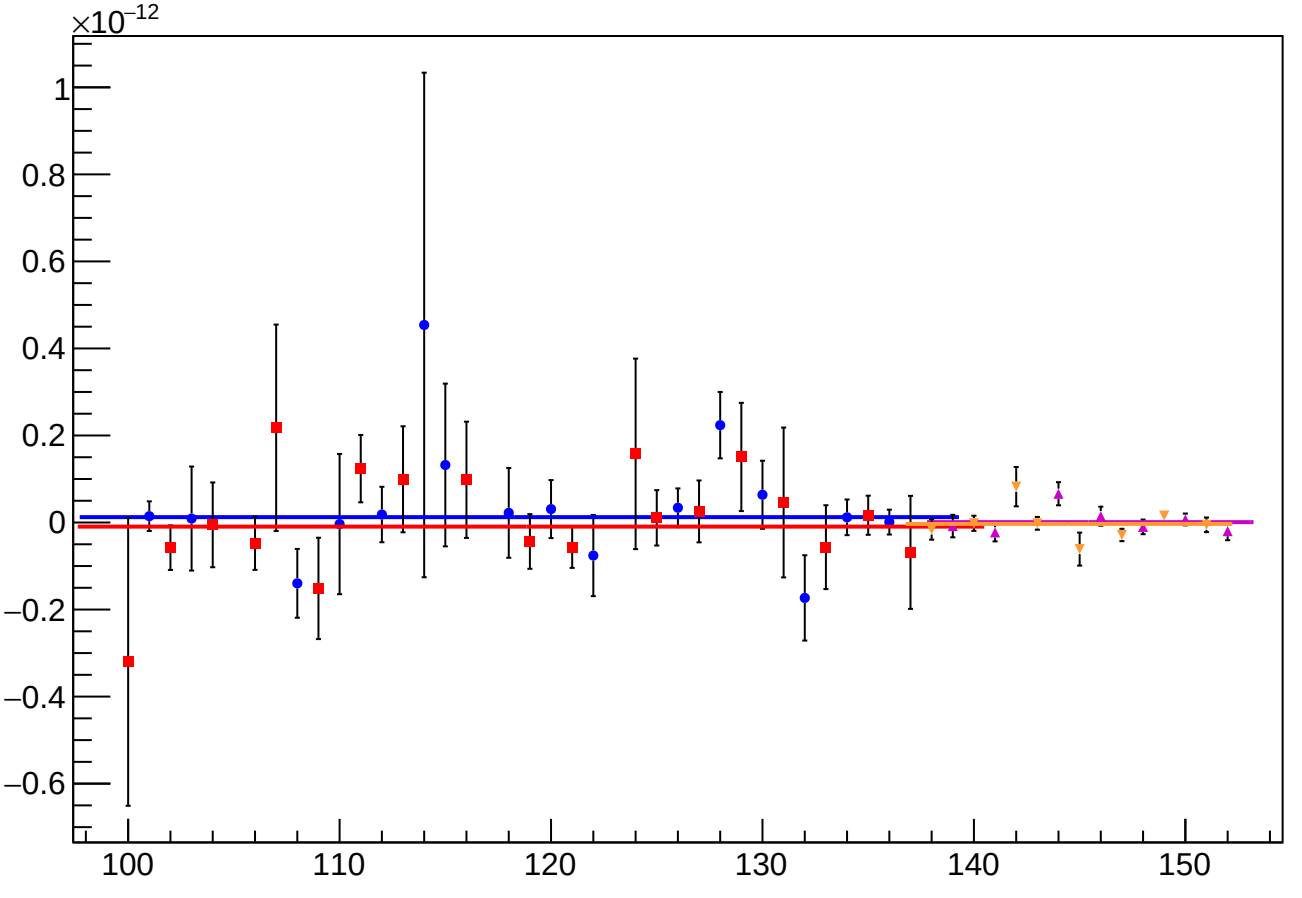
Left In: 1984.480+/-0.568 χ^2/NDF:65182.3/6

+ sign 2064.076+/-0.405 χ^2/NDF: 855662.4/23

All: 2069.243+/-0.286 χ^2/NDF: 1796186.0/49

- sign 2074.431+/-0.406 χ^2/NDF: 940197.0/25

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/7

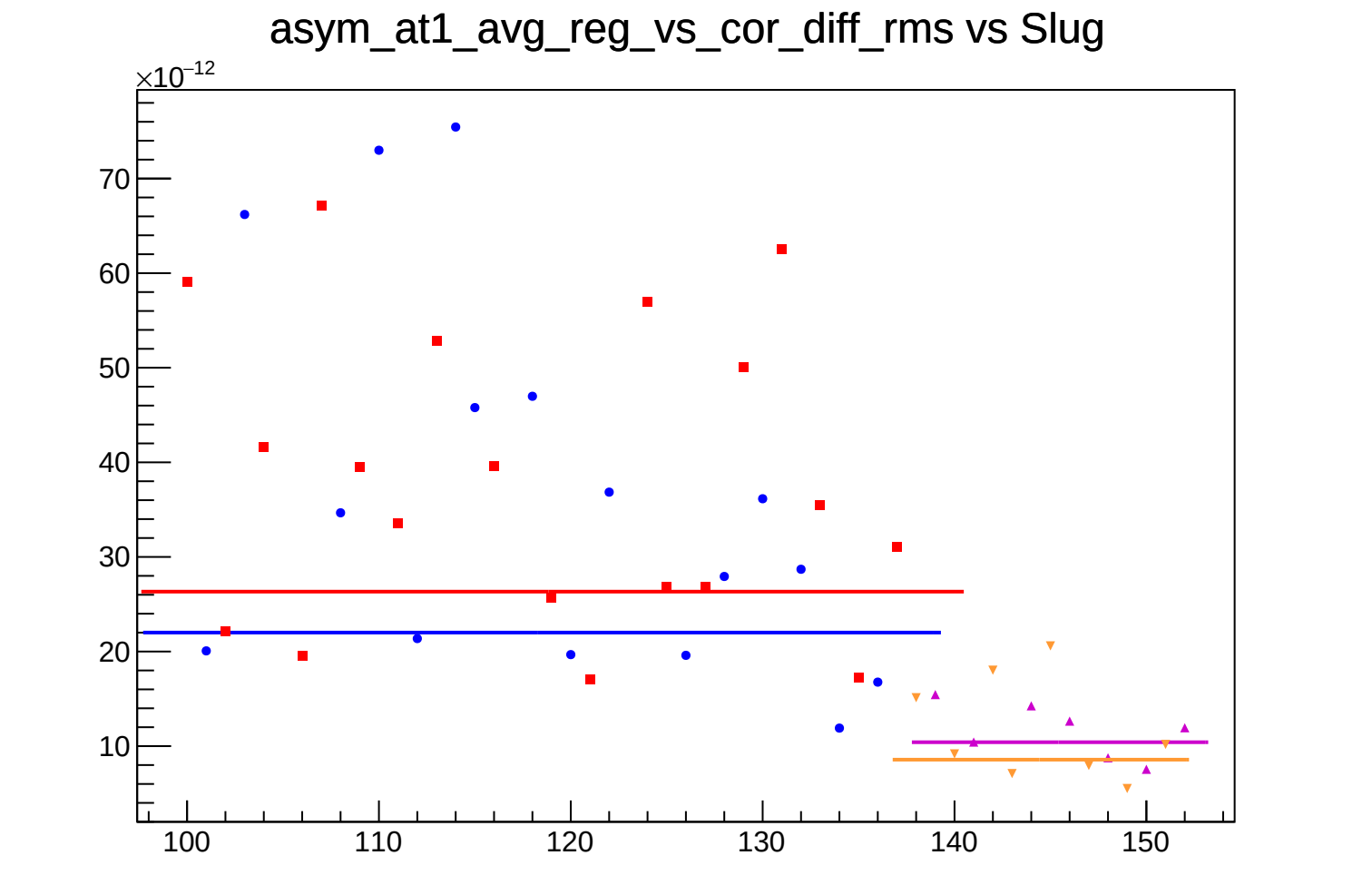
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/23

All: -0.000+/-0.000 χ^2/NDF: 54.4/49

- sign -0.000+/-0.000 χ^2/NDF: 23.5/25


asym_at1_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
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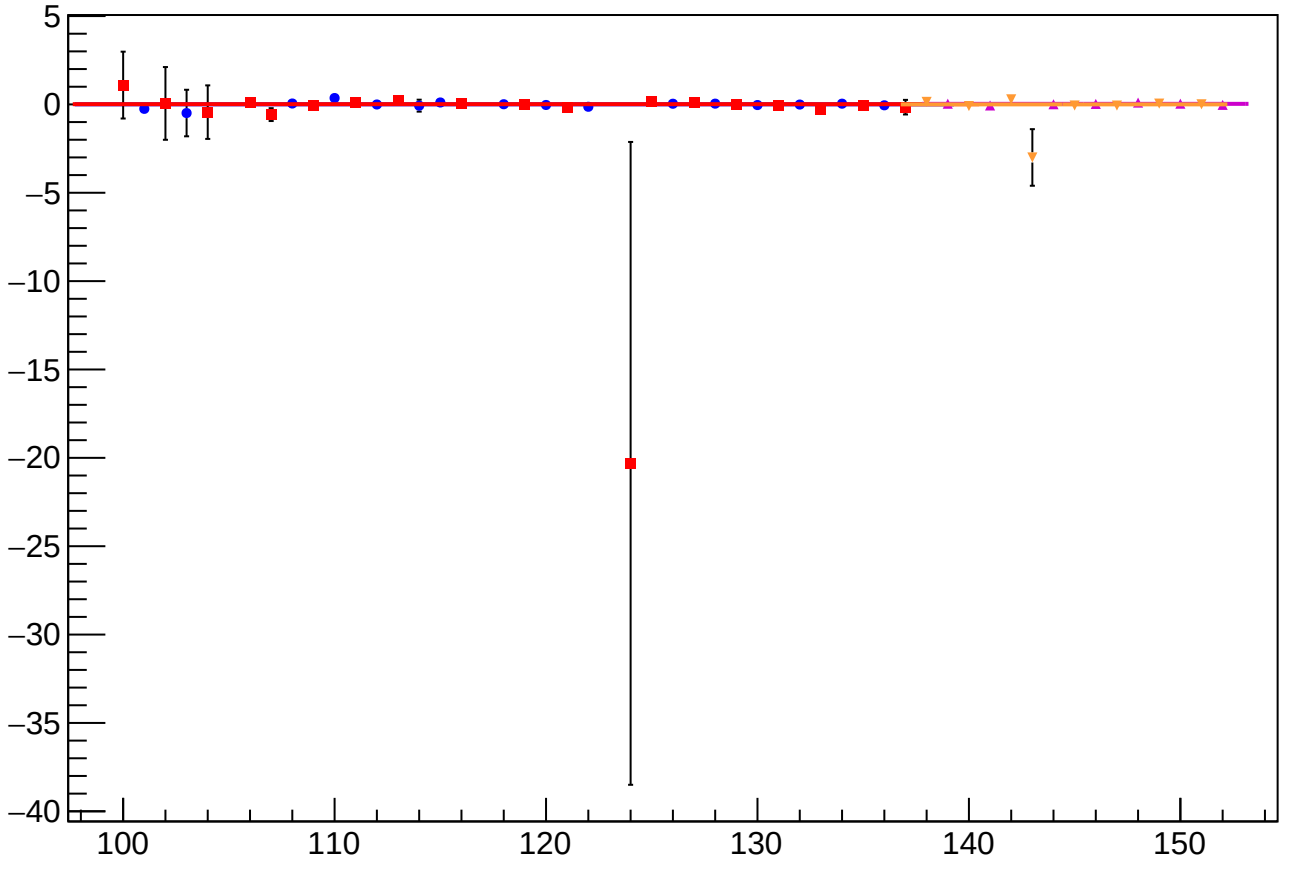
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:626545.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:256746.1/6
+ sign 0.000+/-0.000 χ²/NDF: 3079077.8/23
All: 0.000+/-0.000 χ²/NDF: 5494992.4/49
- sign 0.000+/-0.000 χ²/NDF: 2298753.4/25

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.001+/-0.025 χ^2/NDF:13.4/7

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

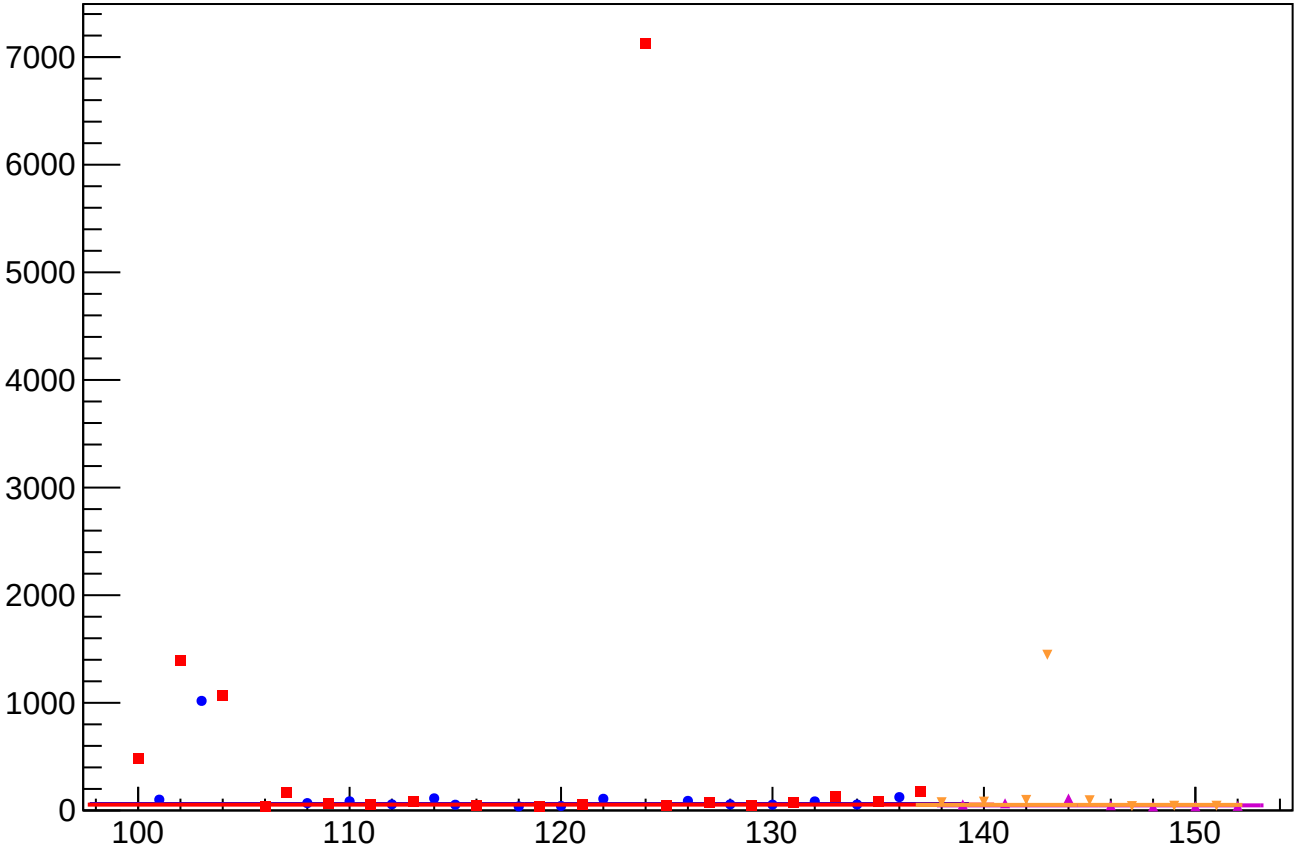
Left In: 0.031+/-0.022 χ^2/NDF:5.3/6

+ sign 0.003+/-0.018 χ^2/NDF: 24.7/23

All: 0.014+/-0.012 χ^2/NDF: 48.7/49

- sign 0.024+/-0.017 χ^2/NDF: 23.2/25

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 51.827+/-0.018 χ^2/NDF:2528897.1/7

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

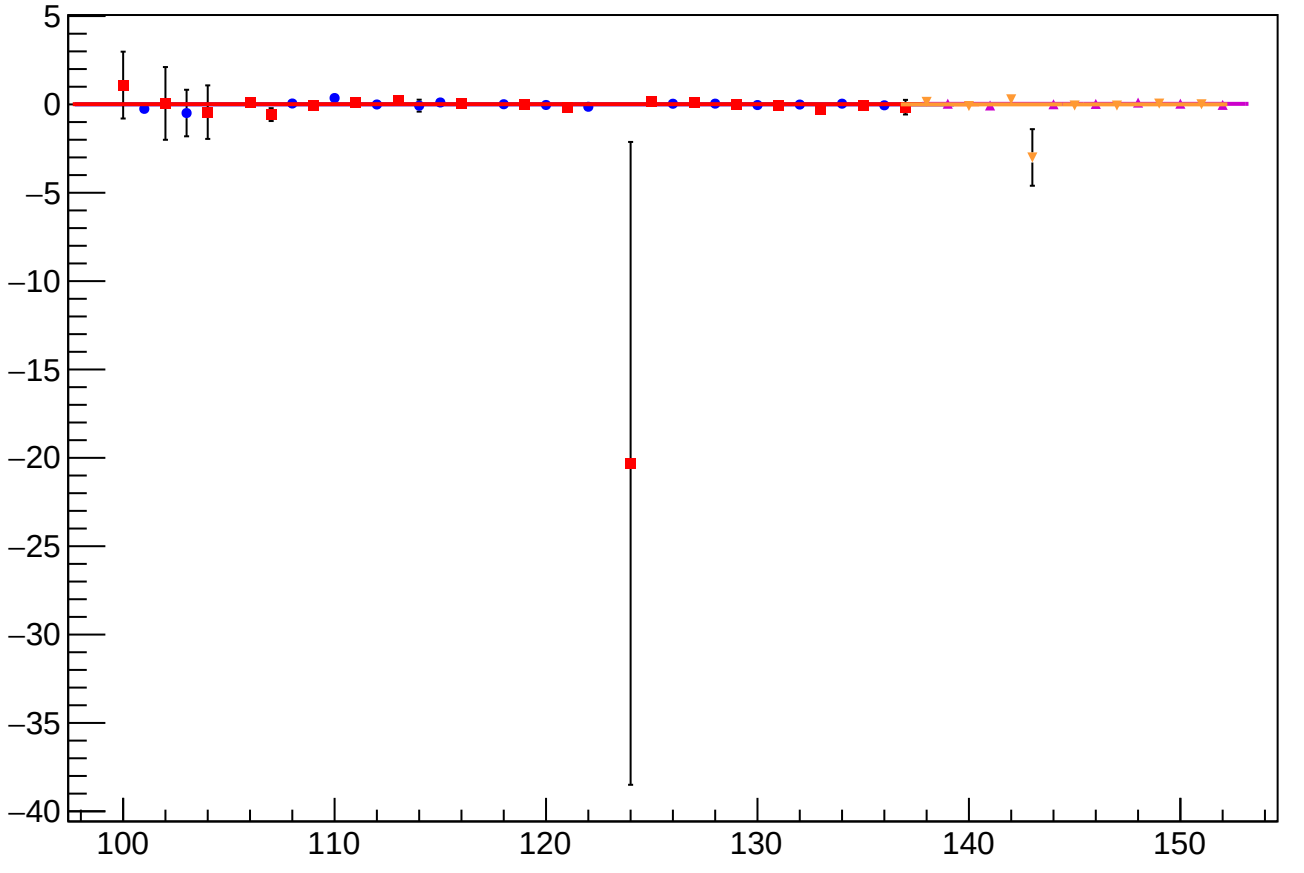
Left In: 47.371+/-0.015 χ^2/NDF:885179.9/6

+ sign 55.595+/-0.013 χ^2/NDF: 5163064.7/23

All: 52.616+/-0.009 χ^2/NDF: 9749503.3/49

- sign 50.191+/-0.012 χ^2/NDF: 4490529.1/25

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.001+/-0.025 χ^2/NDF:13.4/7

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

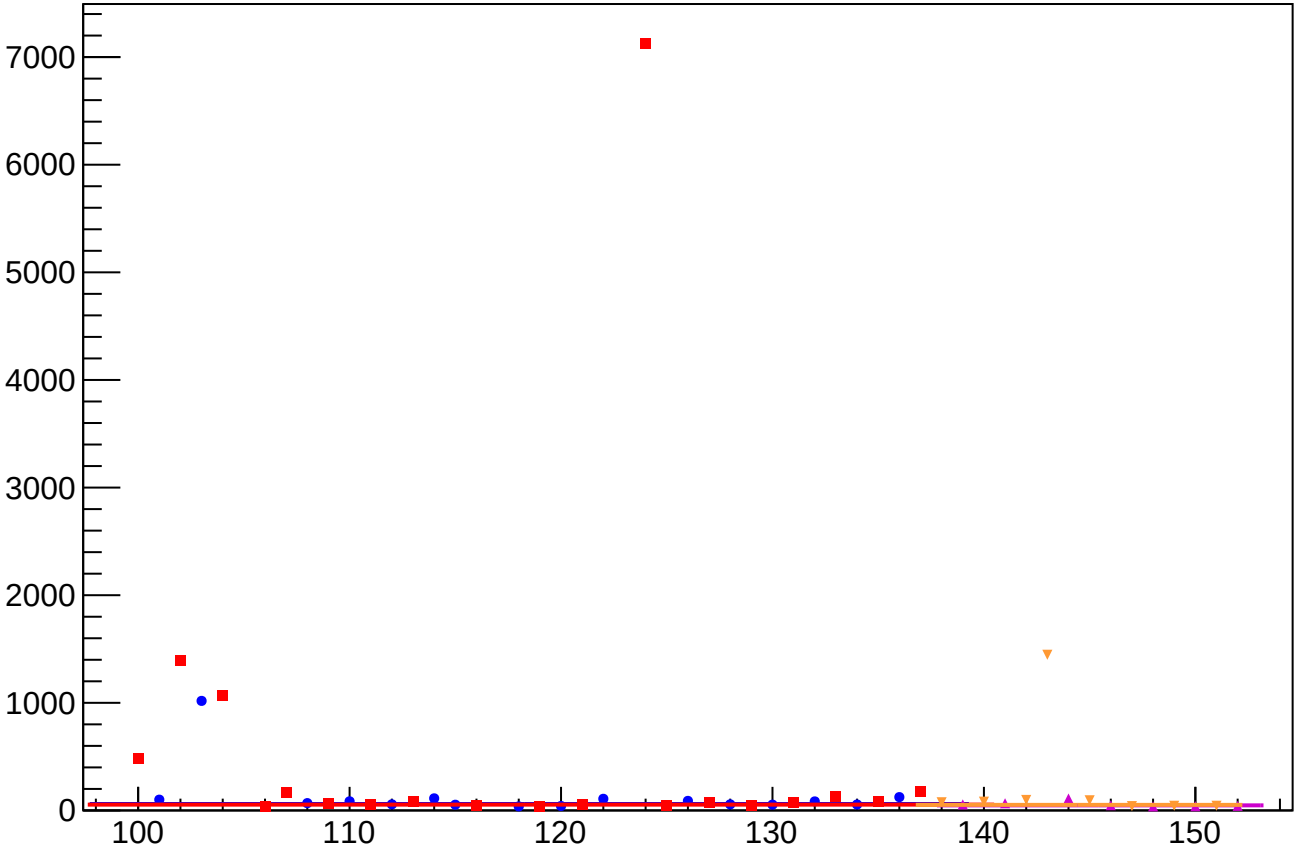
Left In: 0.031+/-0.022 χ^2/NDF:5.3/6

+ sign 0.003+/-0.018 χ^2/NDF: 24.7/23

All: 0.014+/-0.012 χ^2/NDF: 48.7/49

- sign 0.024+/-0.017 χ^2/NDF: 23.2/25

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: 51.827+/-0.018 χ^2/NDF:2528897.1/7

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

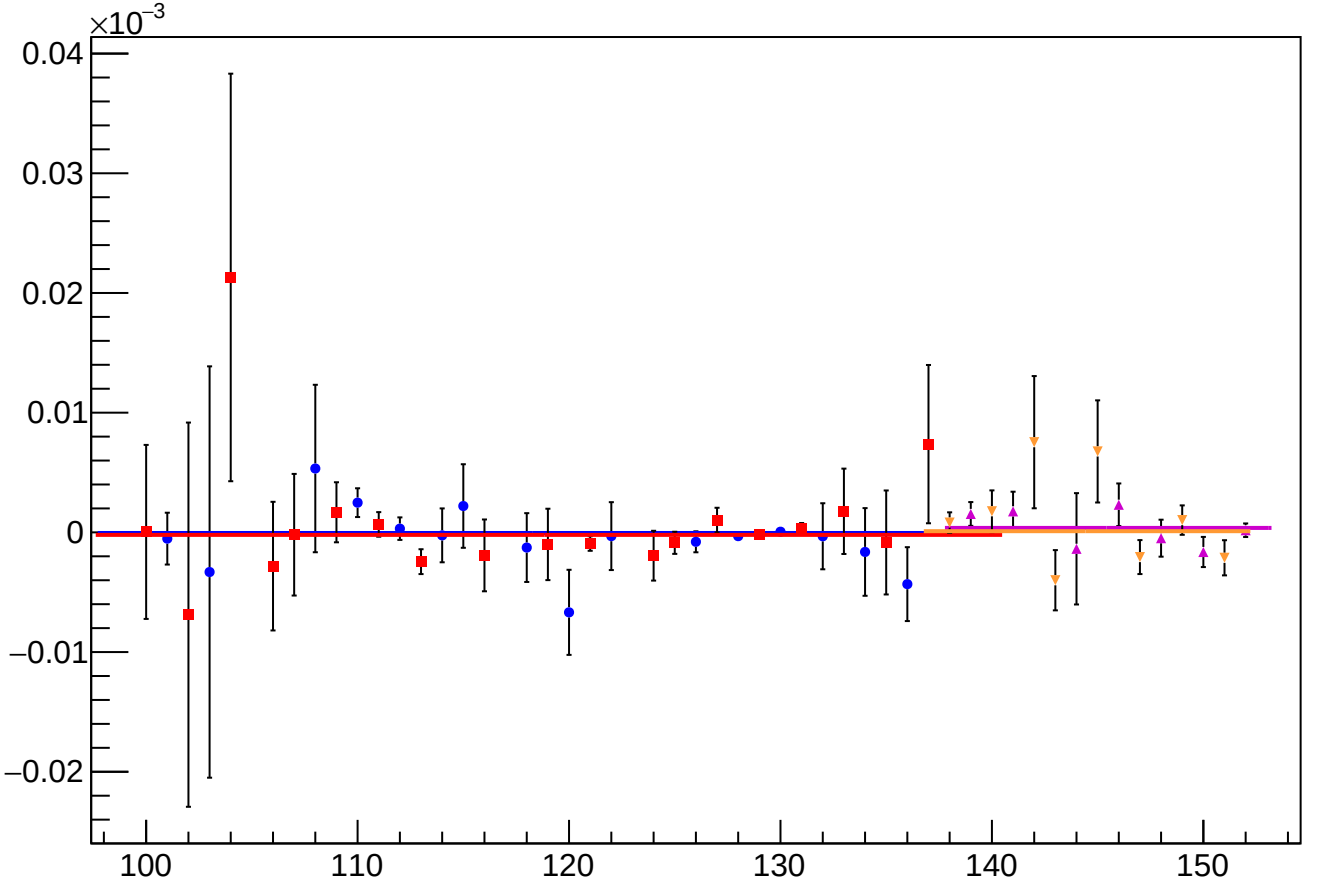
Left In: 47.371+/-0.015 χ^2/NDF:885179.9/6

+ sign 55.595+/-0.013 χ^2/NDF: 5163064.7/23

All: 52.616+/-0.009 χ^2/NDF: 9749503.3/49

- sign 50.191+/-0.012 χ^2/NDF: 4490529.1/25

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

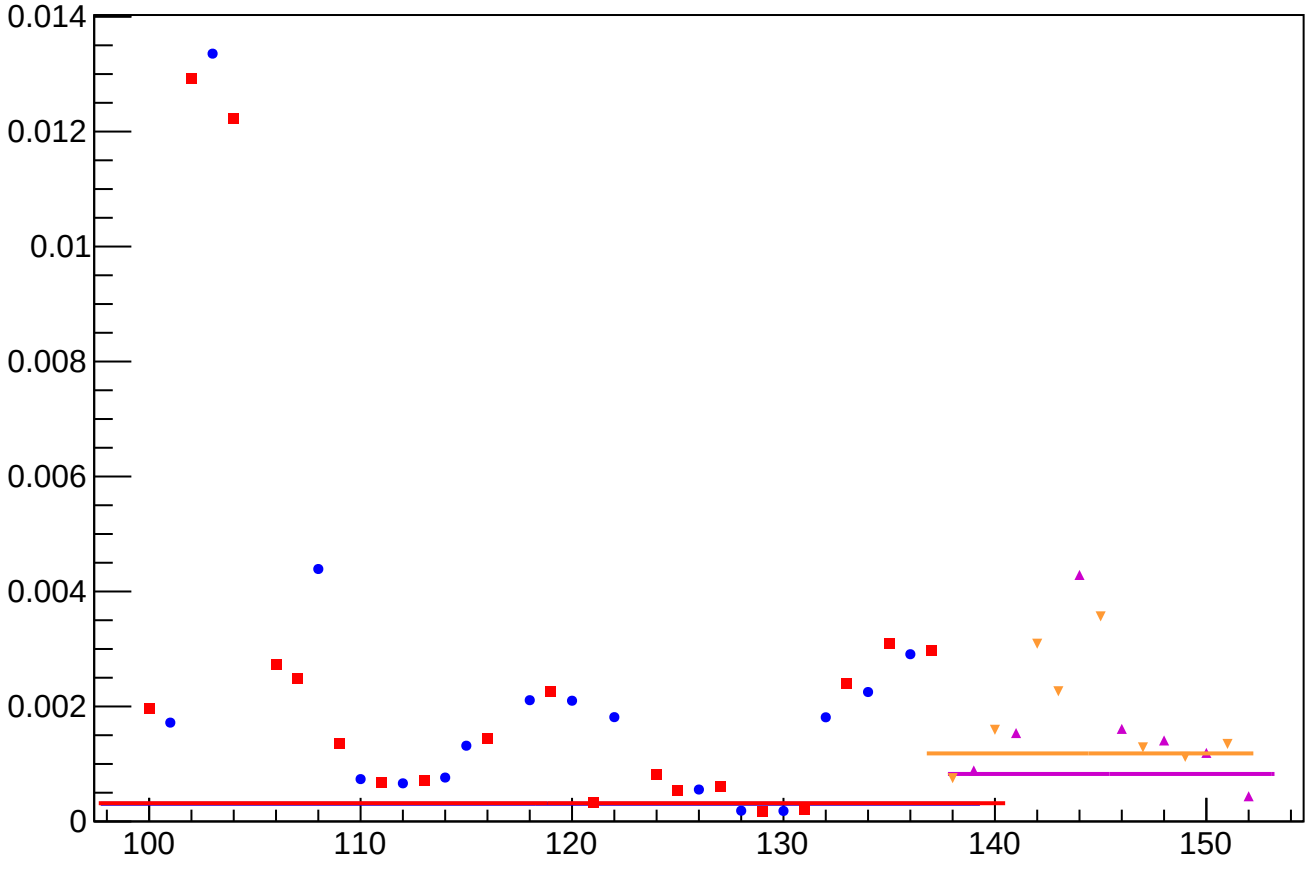
Left In: 0.000+/-0.000 χ^2/NDF:6.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 26.6/23

All: -0.000+/-0.000 χ^2/NDF: 50.3/49

- sign -0.000+/-0.000 χ^2/NDF: 23.7/25

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:1889136.2/7

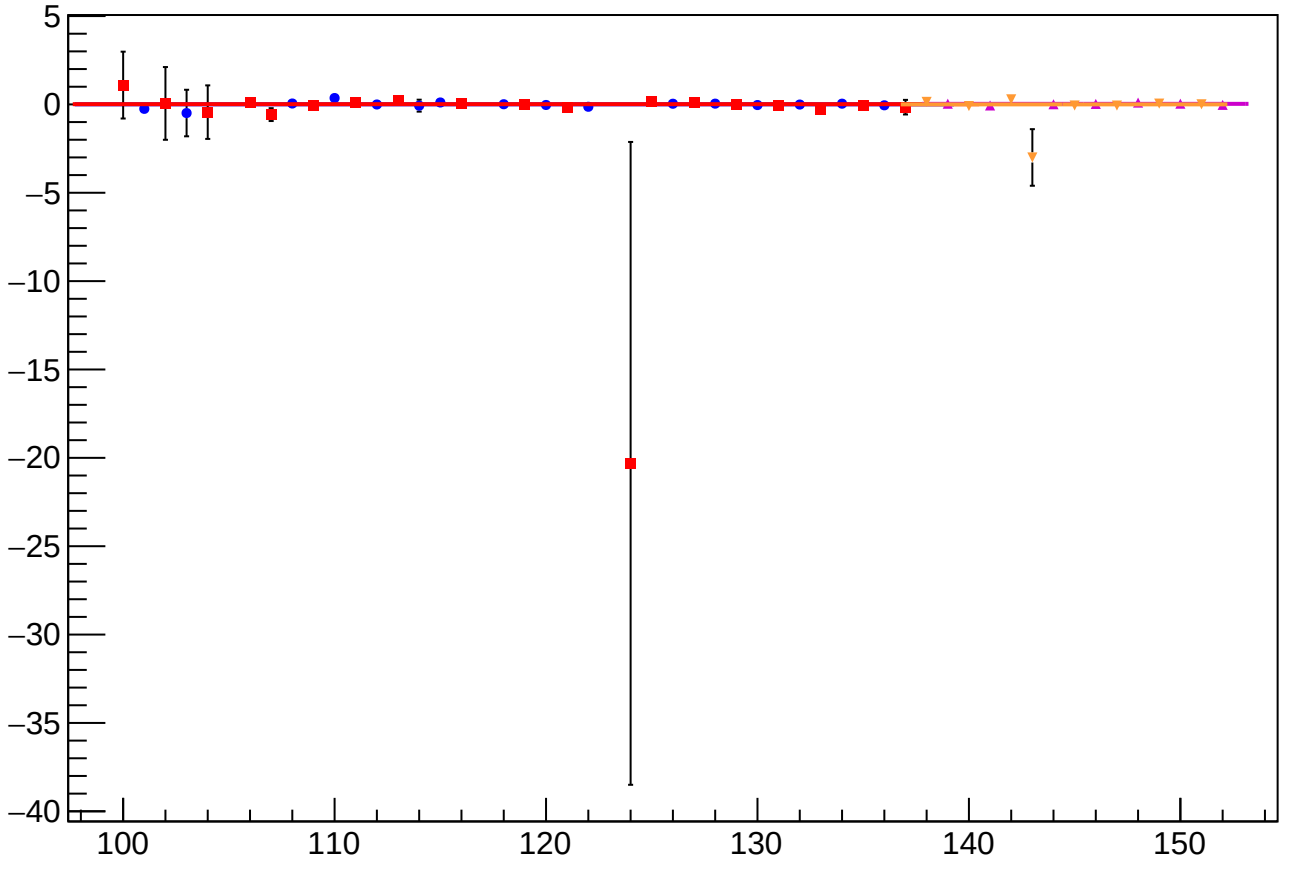
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:3273348.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 15458561.1/23

All: 0.000+/-0.000 χ^2/NDF: 29259755.2/49

- sign 0.000+/-0.000 χ^2/NDF: 13801016.7/25



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.001+/-0.025 χ^2/NDF:13.4/7

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

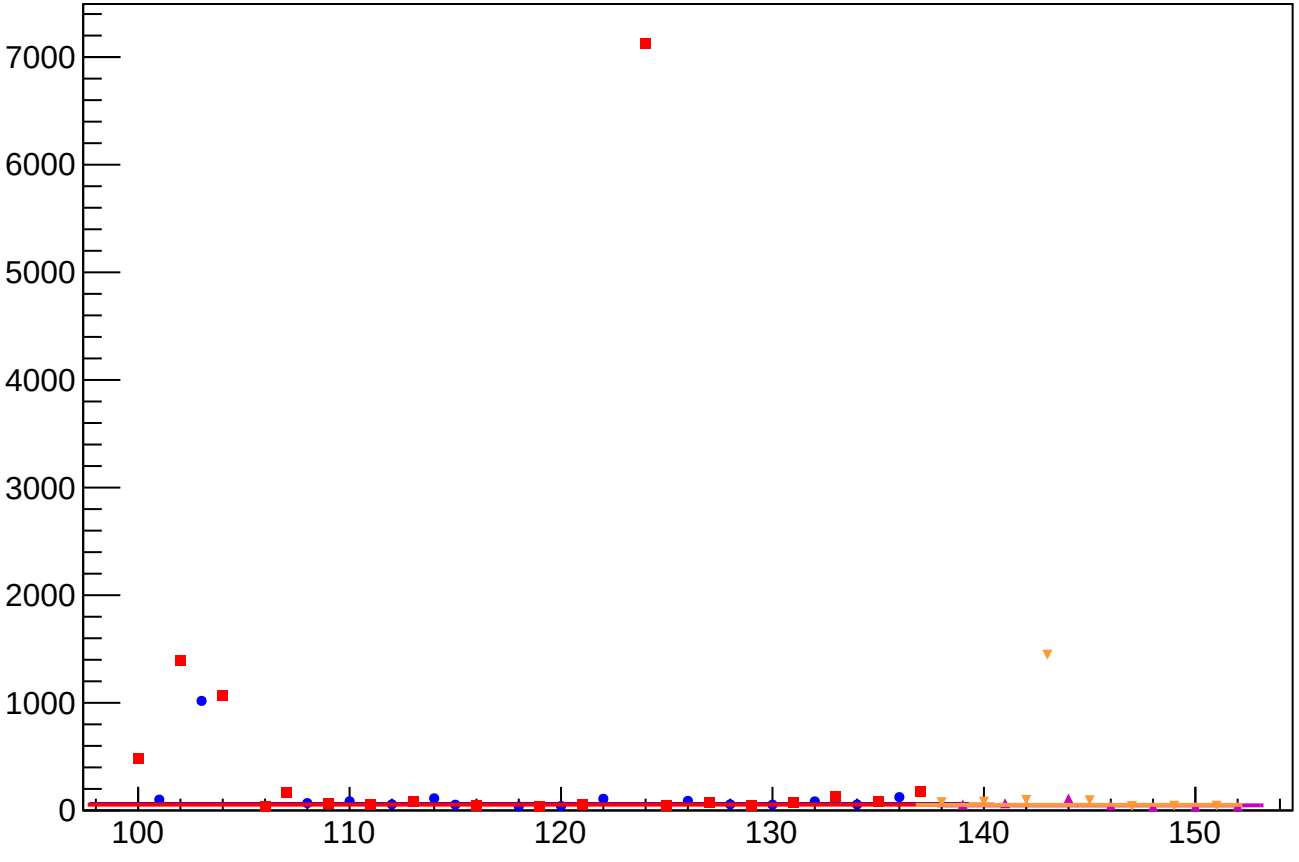
Left In: 0.031+/-0.022 χ^2/NDF:5.3/6

+ sign 0.003+/-0.018 χ^2/NDF: 24.7/23

All: 0.014+/-0.012 χ^2/NDF: 48.7/49

- sign 0.024+/-0.017 χ^2/NDF: 23.2/25

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: 51.827+/-0.018 χ^2/NDF:2528875.5/7

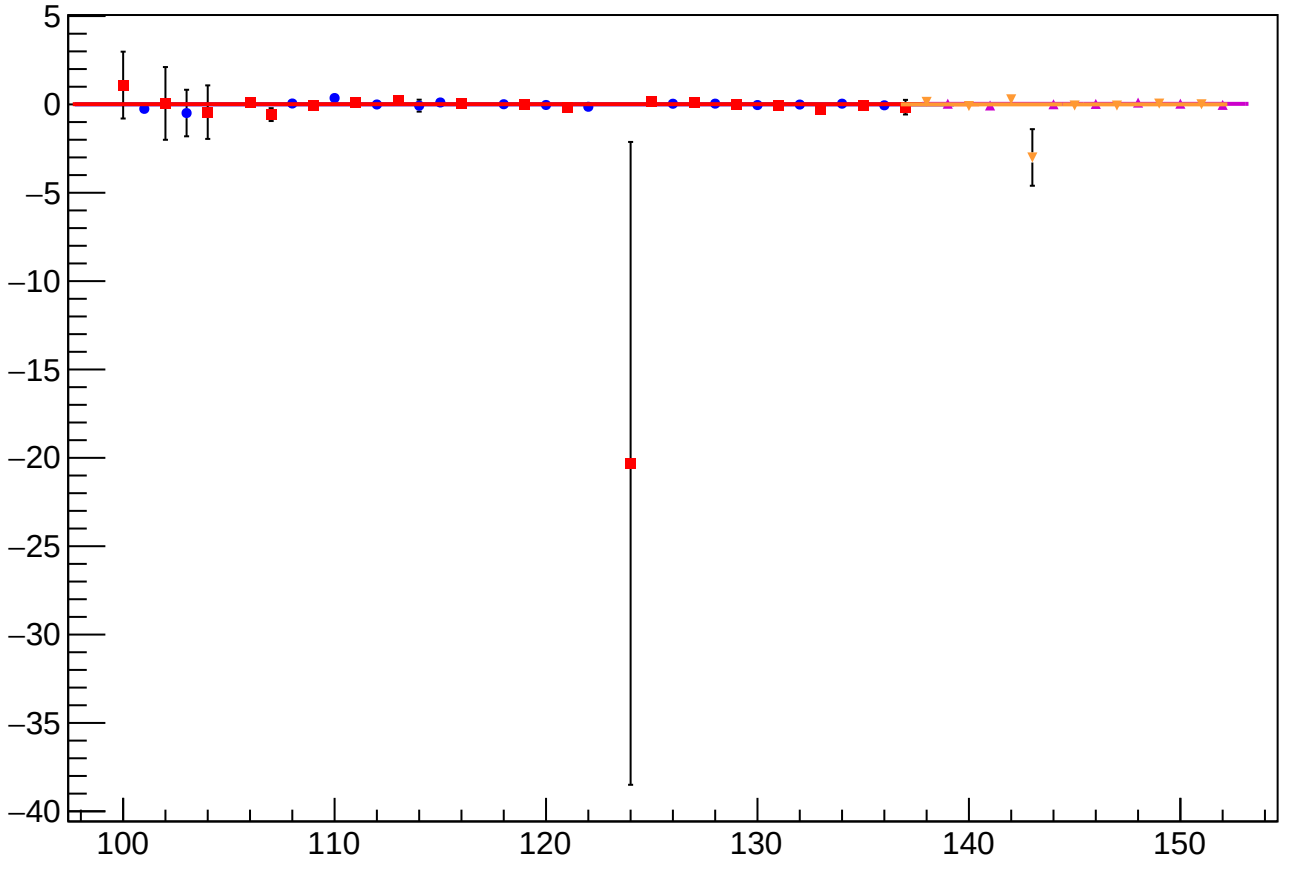
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 47.371+/-0.015 χ^2/NDF:885180.1/6

+ sign 55.595+/-0.013 χ^2/NDF: 5163044.3/23

All: 52.615+/-0.009 χ^2/NDF: 9749536.5/49

- sign 50.191+/-0.012 χ^2/NDF: 4490564.9/25



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.001+/-0.025 χ^2/NDF:13.4/7

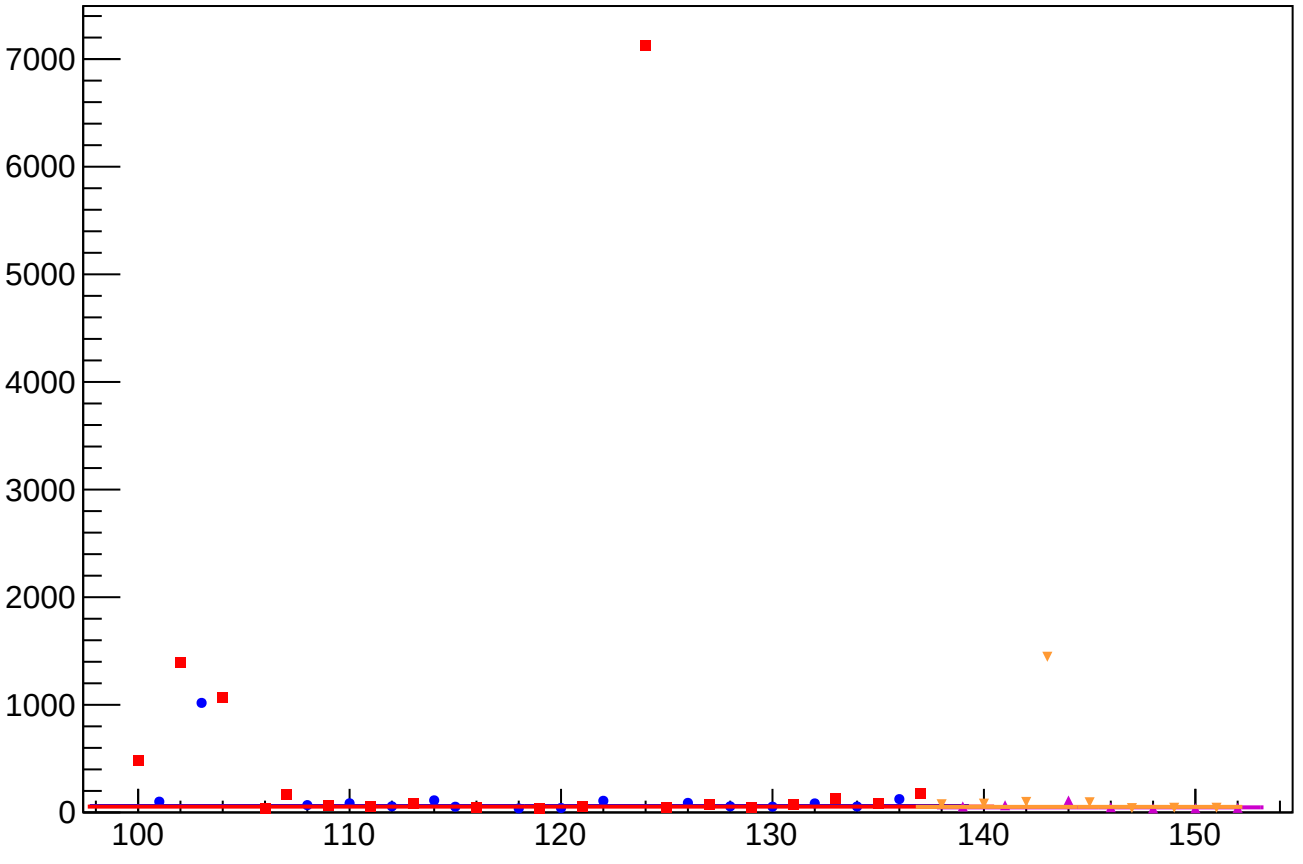
Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.031+/-0.022 χ^2/NDF:5.3/6

+ sign 0.003+/-0.018 χ^2/NDF: 24.7/23

All: 0.014+/-0.012 χ^2/NDF: 48.7/49

- sign 0.024+/-0.017 χ^2/NDF: 23.2/25



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 51.827+/-0.018 χ^2/NDF:2528875.5/7

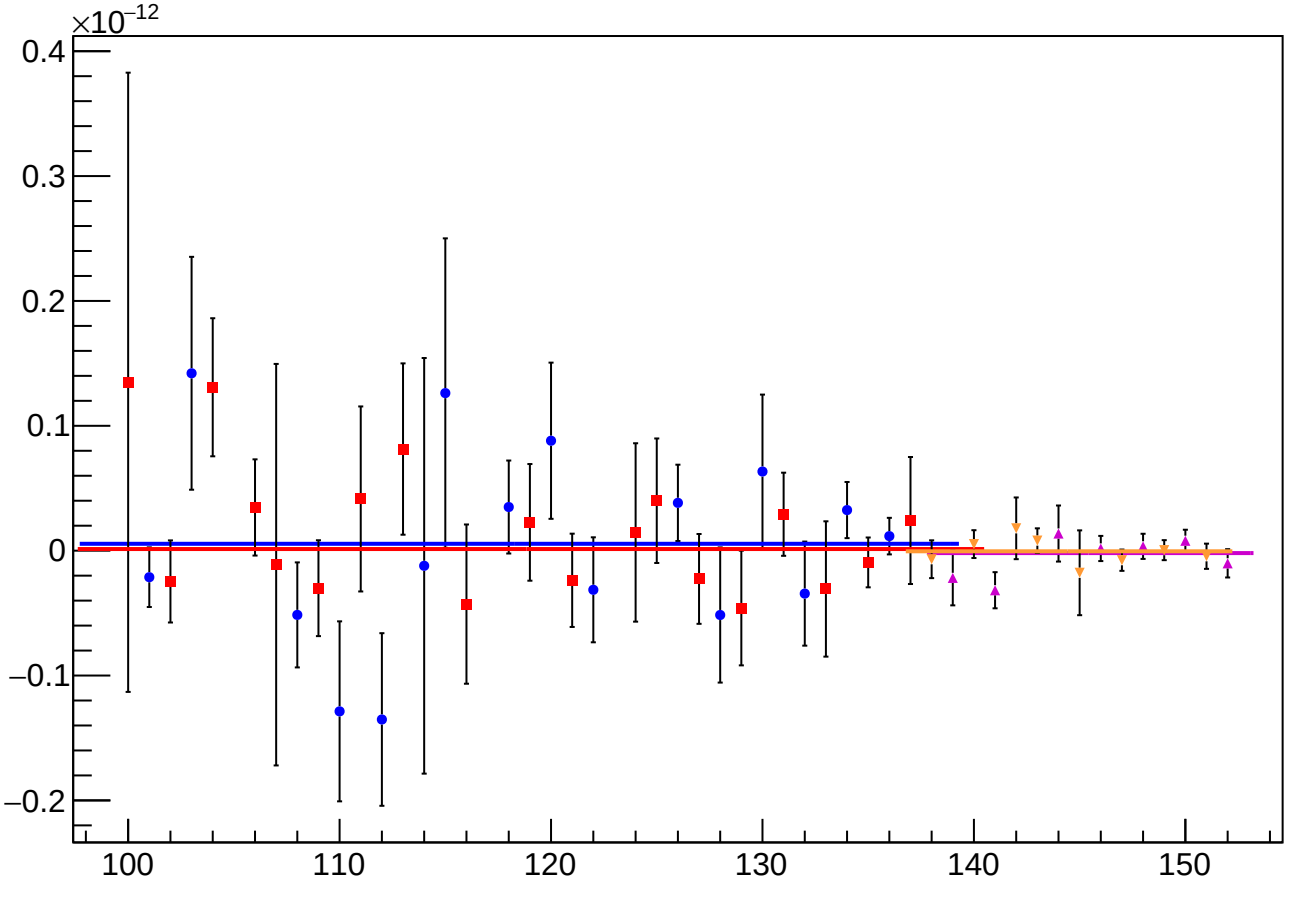
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 47.371+/-0.015 χ^2/NDF:885180.1/6

+ sign 55.595+/-0.013 χ^2/NDF: 5163044.3/23

All: 52.615+/-0.009 χ^2/NDF: 9749536.5/49

- sign 50.191+/-0.012 χ^2/NDF: 4490564.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/7

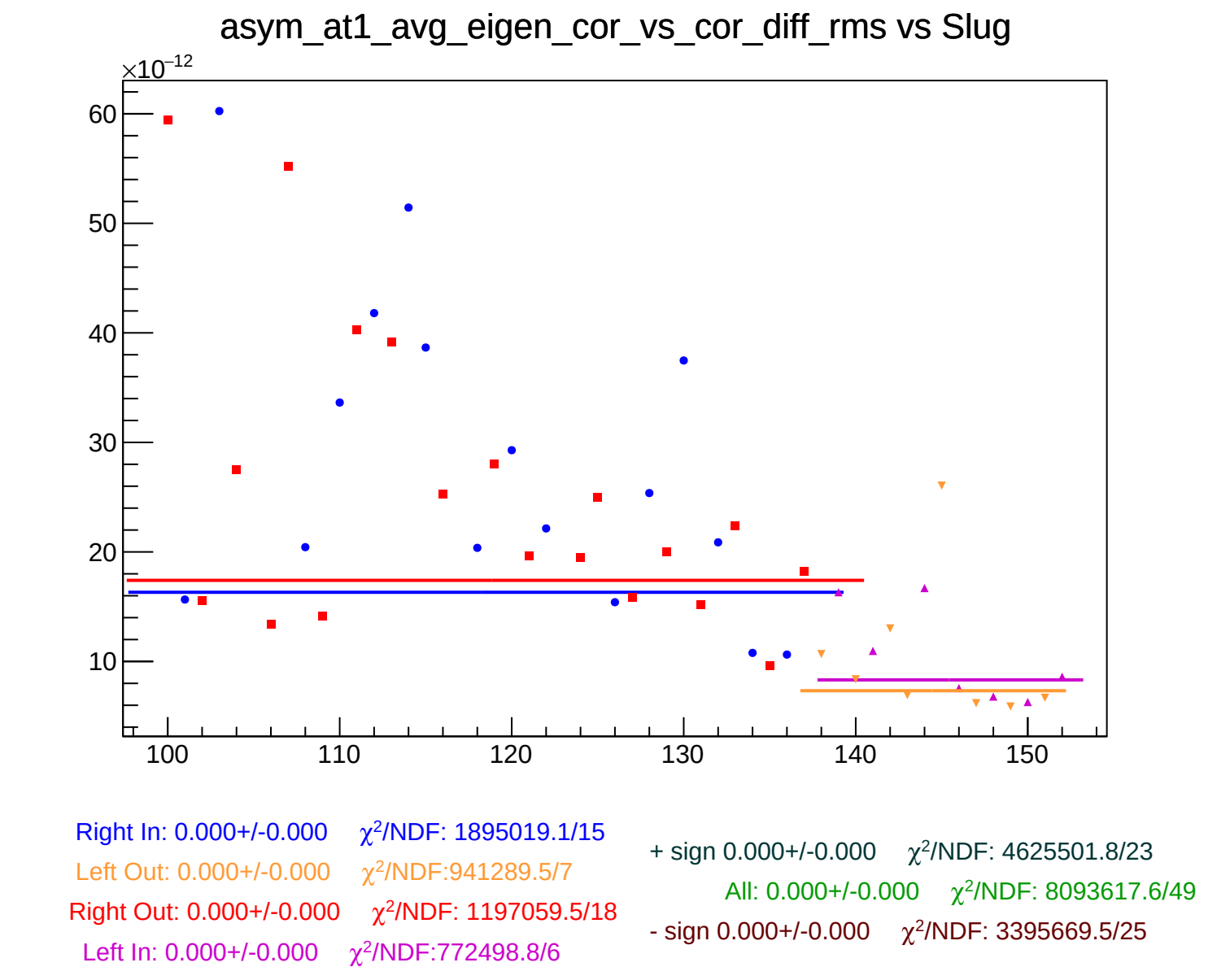
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/6

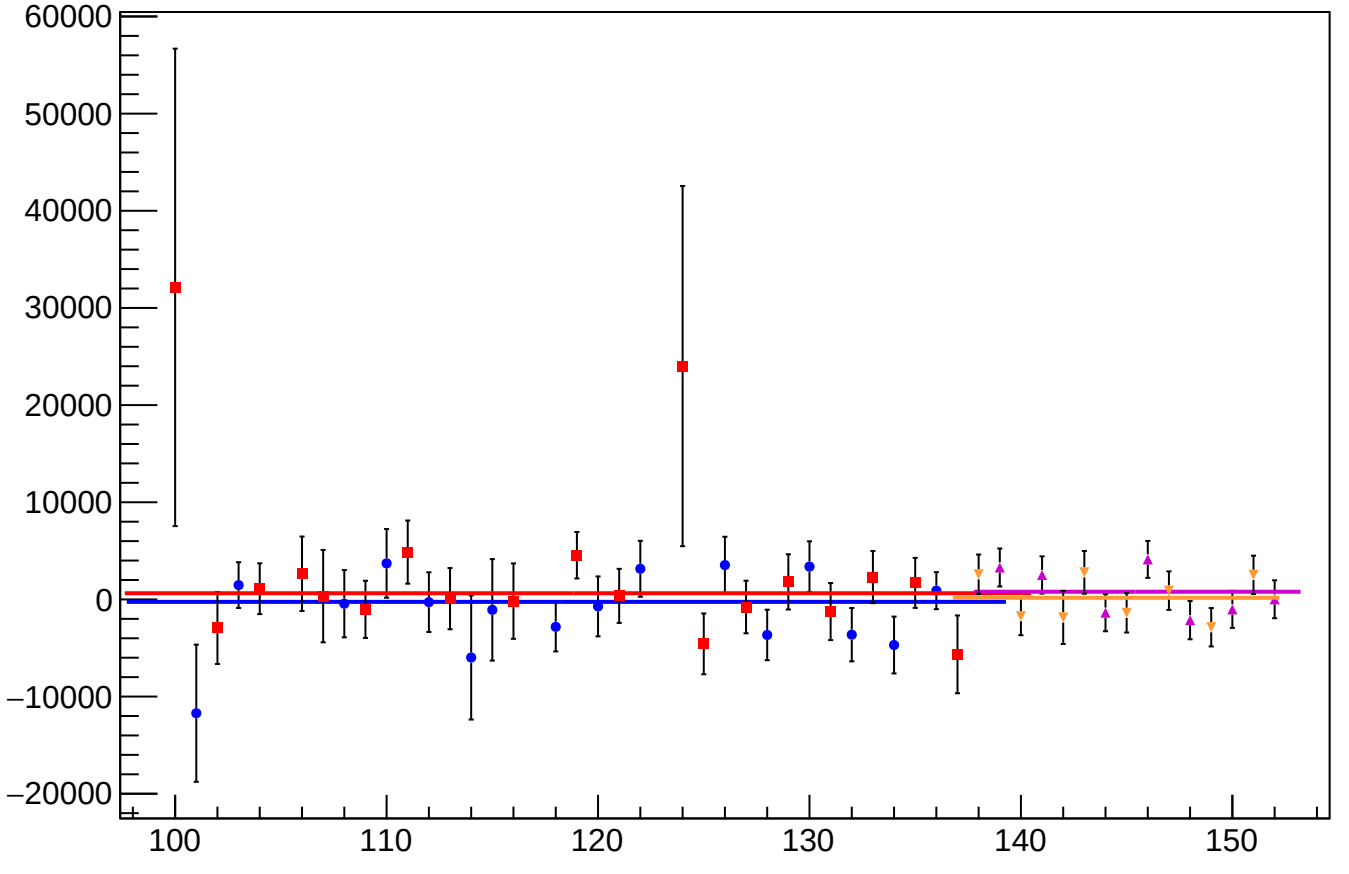
+ sign 0.000+/-0.000 χ^2/NDF: 25.9/23

All: -0.000+/-0.000 χ^2/NDF: 48.1/49

- sign -0.000+/-0.000 χ^2/NDF: 22.1/25


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:941289.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:772498.8/6
+ sign 0.000+/-0.000 χ²/NDF: 4625501.8/23
All: 0.000+/-0.000 χ²/NDF: 8093617.6/49
- sign 0.000+/-0.000 χ²/NDF: 3395669.5/25

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: 167.039+/-734.538 χ^2/NDF:8.8/7

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

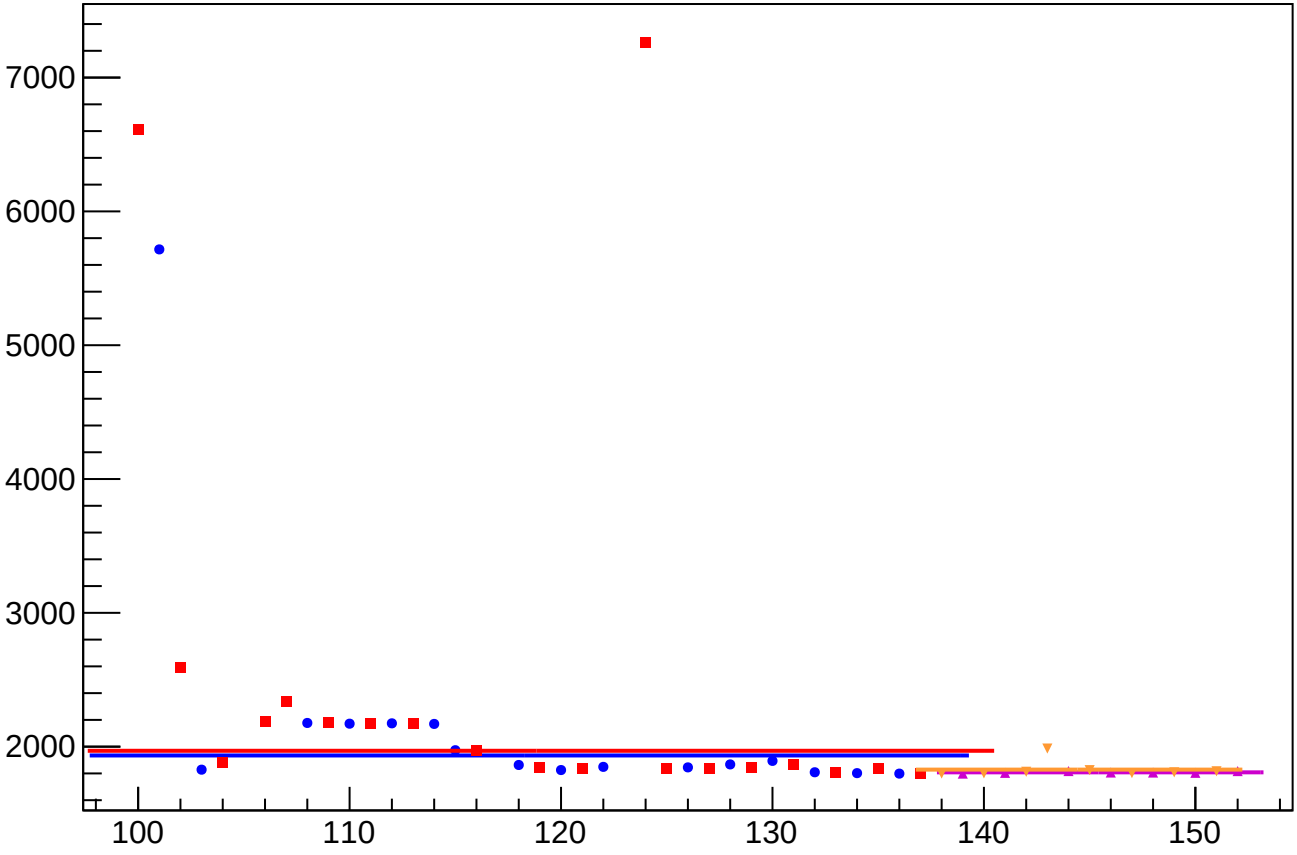
Left In: 789.877+/-729.716 χ^2/NDF:10.0/6

\+ sign -41.965+/-519.599 χ^2/NDF: 26.2/23

All: 336.965+/-366.850 χ^2/NDF: 53.2/49

\- sign 713.584+/-518.012 χ^2/NDF: 26.0/25

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1828.462+/-0.519 χ^2/NDF:11791.9/7

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

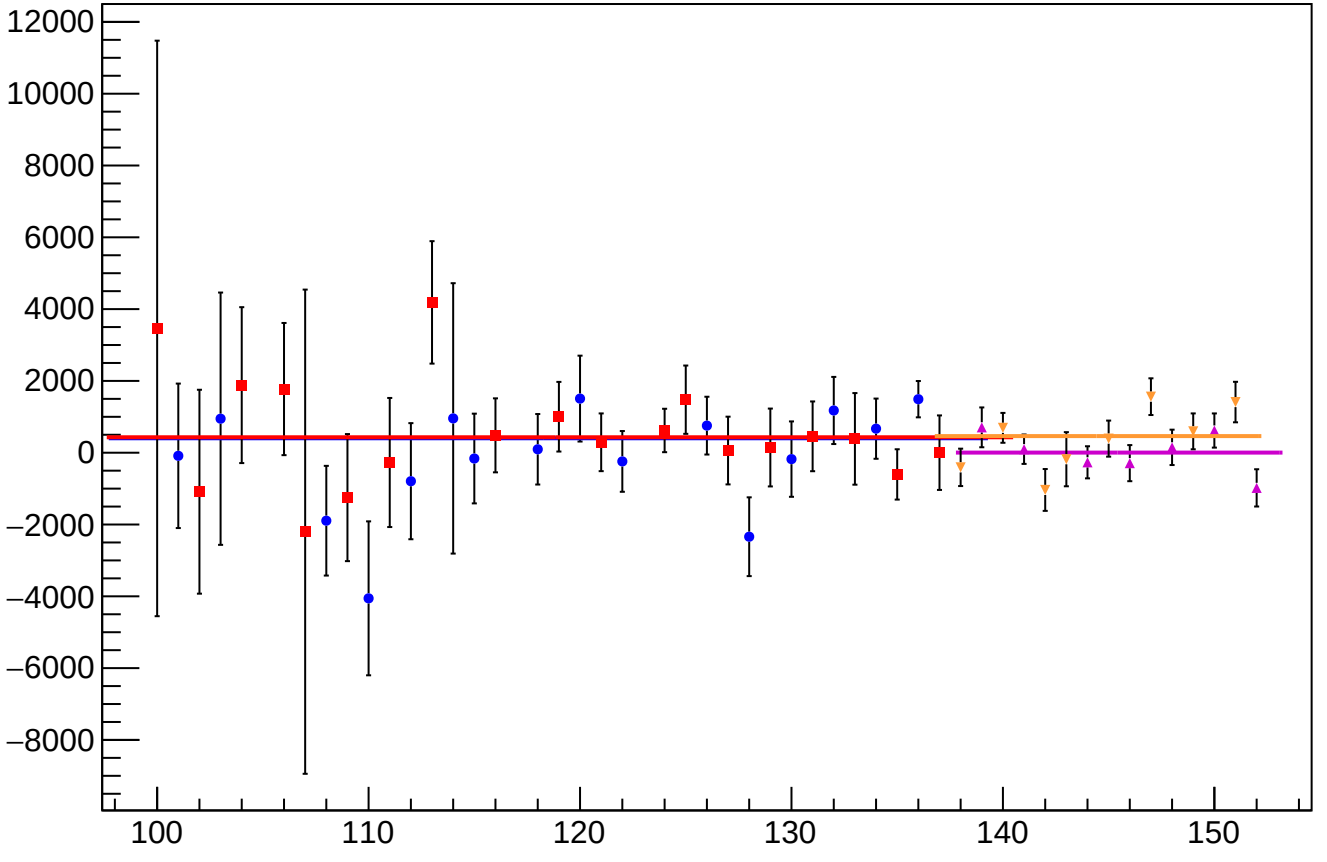
Left In: 1808.112+/-0.516 χ^2/NDF:158.5/6

+ sign 1881.298+/-0.367 χ^2/NDF: 672424.4/23

All: 1884.671+/-0.259 χ^2/NDF: 1099481.9/49

- sign 1888.025+/-0.366 χ^2/NDF: 426889.4/25

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 462.853+/-185.349 χ^2/NDF:18.0/7

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

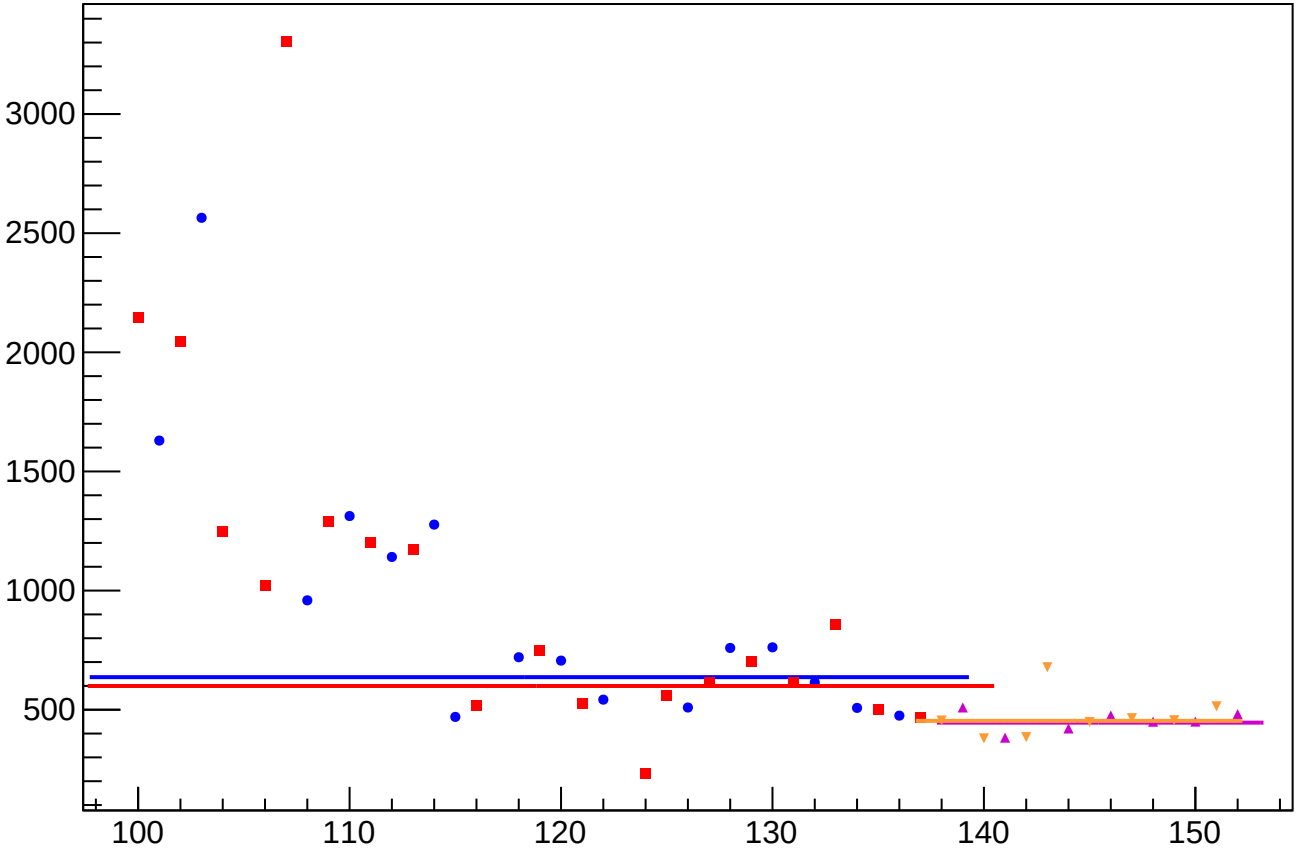
Left In: 3.339+/-181.319 χ^2/NDF:7.7/6

+ sign 442.411+/-150.644 χ^2/NDF: 39.2/23

All: 292.086+/-105.335 χ^2/NDF: 62.4/49

- sign 148.276+/-147.344 χ^2/NDF: 21.3/25

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 453.295+/-0.131 χ^2/NDF:292504.5/7

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

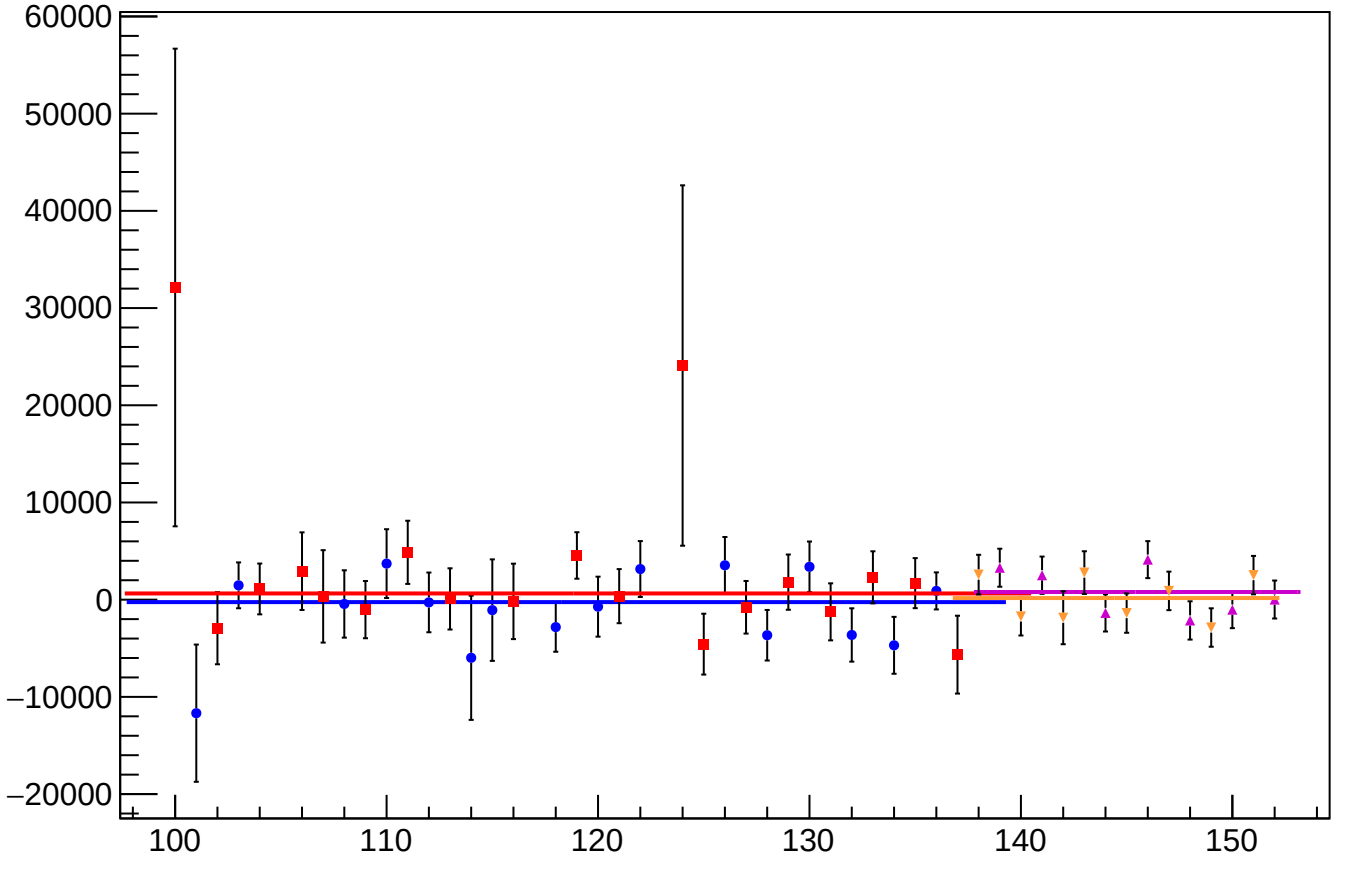
Left In: 445.796+/-0.128 χ^2/NDF:96857.3/6

+ sign 515.546+/-0.107 χ^2/NDF: 3024068.8/23

All: 506.602+/-0.074 χ^2/NDF: 6567790.2/49

- sign 498.046+/-0.104 χ^2/NDF: 3529927.1/25

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 166.891+/-734.538 χ^2/NDF:8.8/7

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

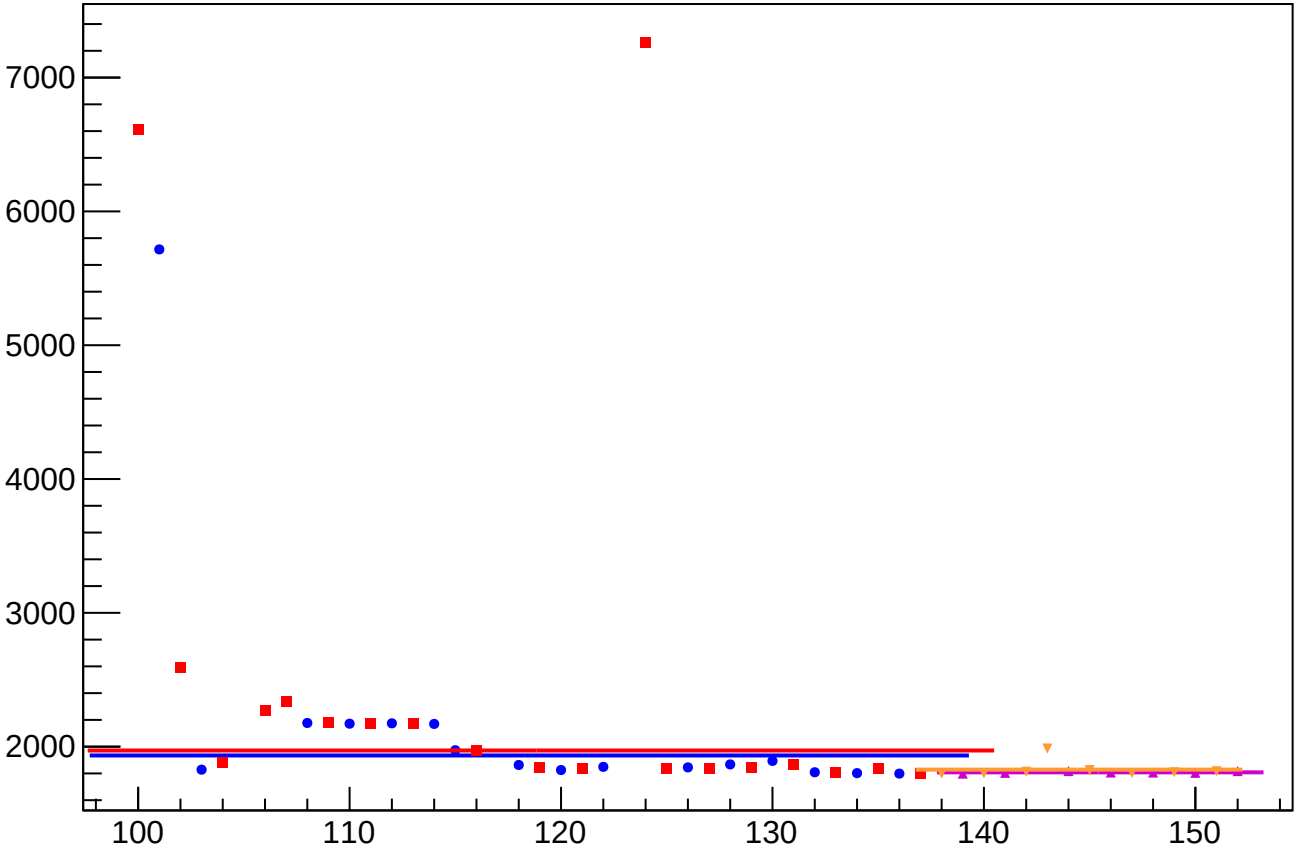
Left In: 789.903+/-729.716 χ^2/NDF:10.0/6

+ sign -41.635+/-519.599 χ^2/NDF: 26.2/23

All: 338.107+/-366.982 χ^2/NDF: 53.3/49

- sign 716.078+/-518.386 χ^2/NDF: 26.0/25

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1828.462+/-0.519 χ^2/NDF:11791.9/7

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

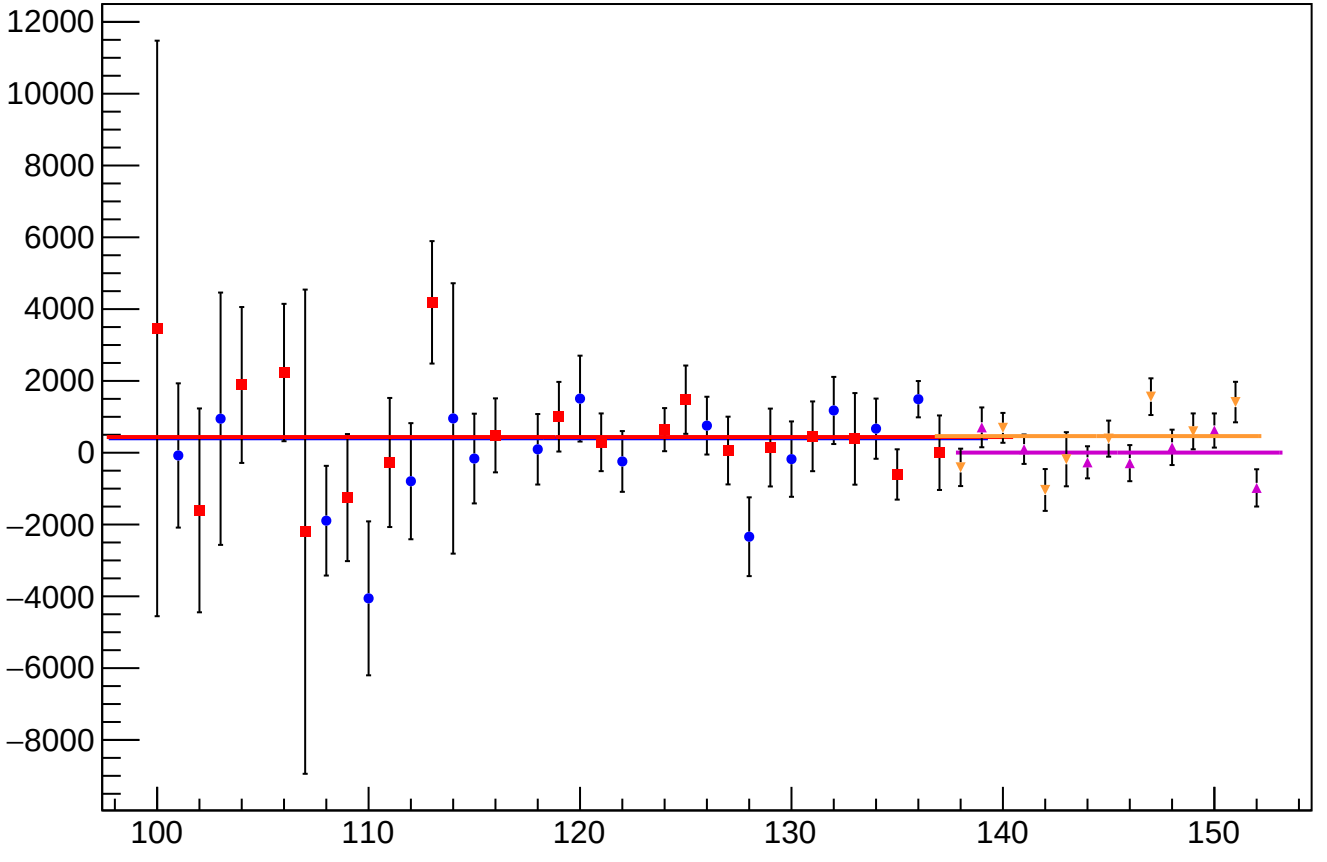
Left In: 1808.112+/-0.516 χ^2/NDF:158.5/6

+ sign 1881.298+/-0.367 χ^2/NDF: 672424.3/23

All: 1885.145+/-0.259 χ^2/NDF: 1105558.3/49

- sign 1888.974+/-0.367 χ^2/NDF: 432915.2/25

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 462.793+/-185.351 χ^2/NDF:18.0/7

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

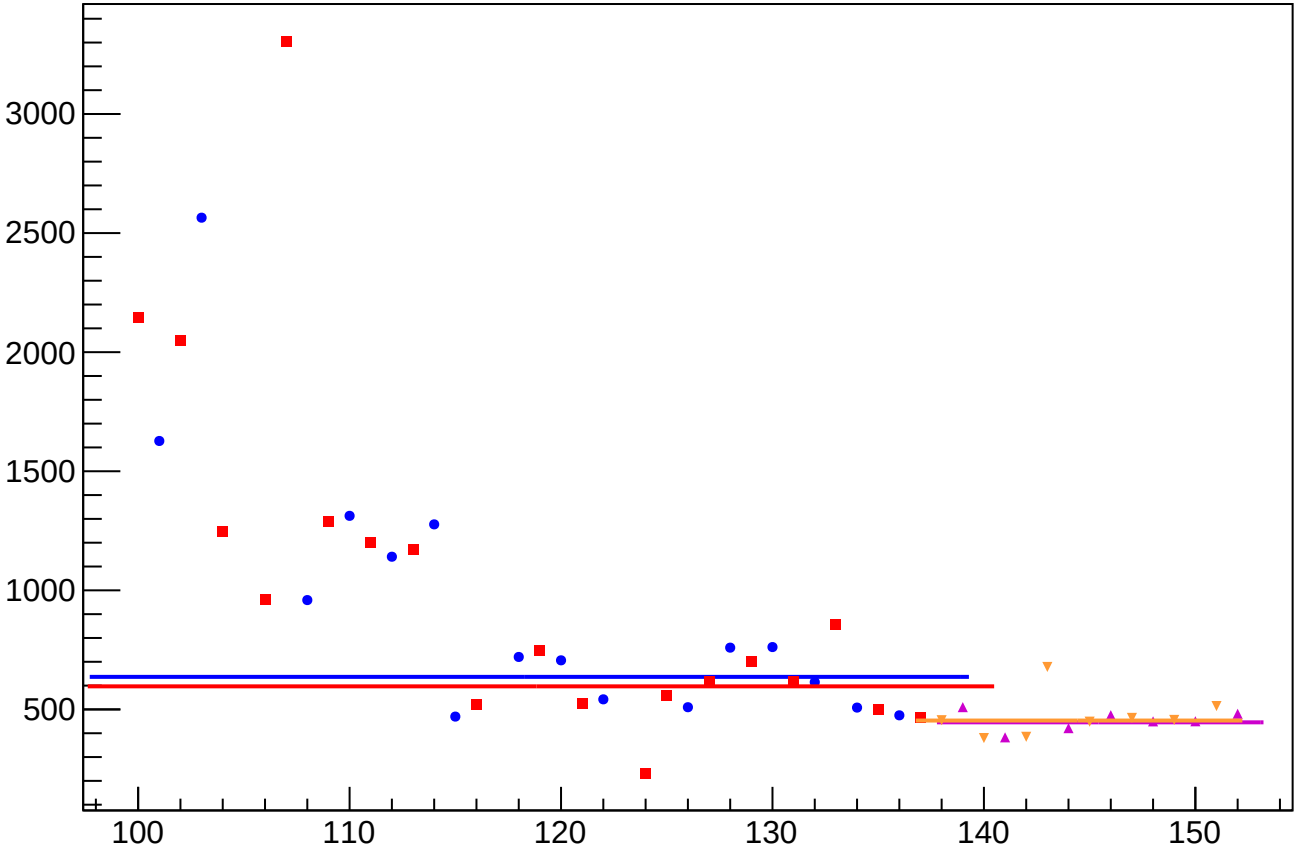
Left In: 3.431+/-181.316 χ^2/NDF:7.7/6

+ sign 442.395+/-150.643 χ^2/NDF: 39.2/23

All: 293.286+/-105.323 χ^2/NDF: 63.1/49

- sign 150.699+/-147.312 χ^2/NDF: 22.0/25

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 453.302+/-0.131 χ^2/NDF:292454.1/7

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

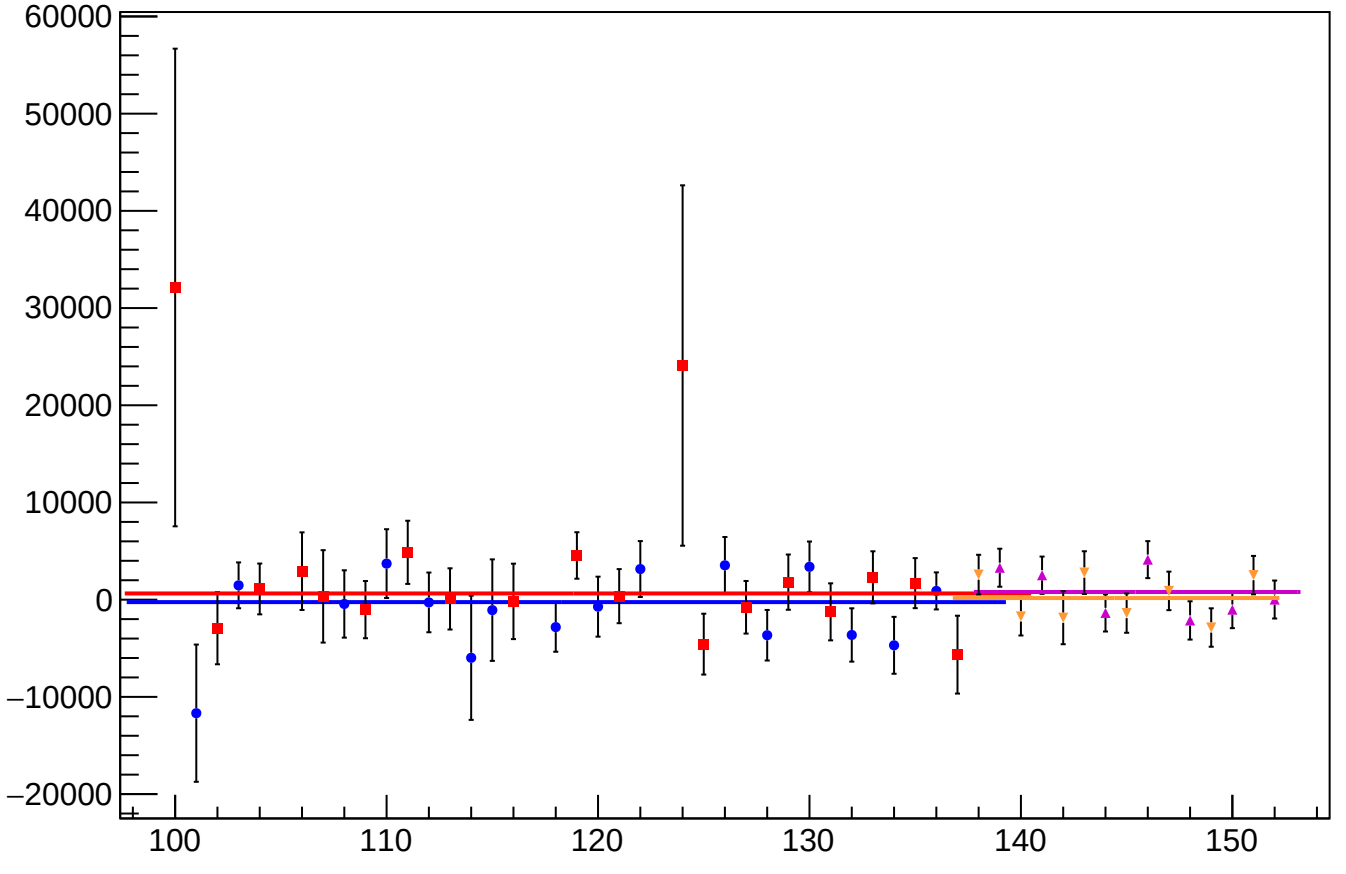
Left In: 445.788+/-0.128 χ^2/NDF:96853.2/6

+ sign 515.554+/-0.107 χ^2/NDF: 3023115.9/23

All: 506.141+/-0.074 χ^2/NDF: 6537643.2/49

- sign 497.139+/-0.104 χ^2/NDF: 3499249.4/25

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 166.891+/-734.538 χ^2/NDF:8.8/7

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

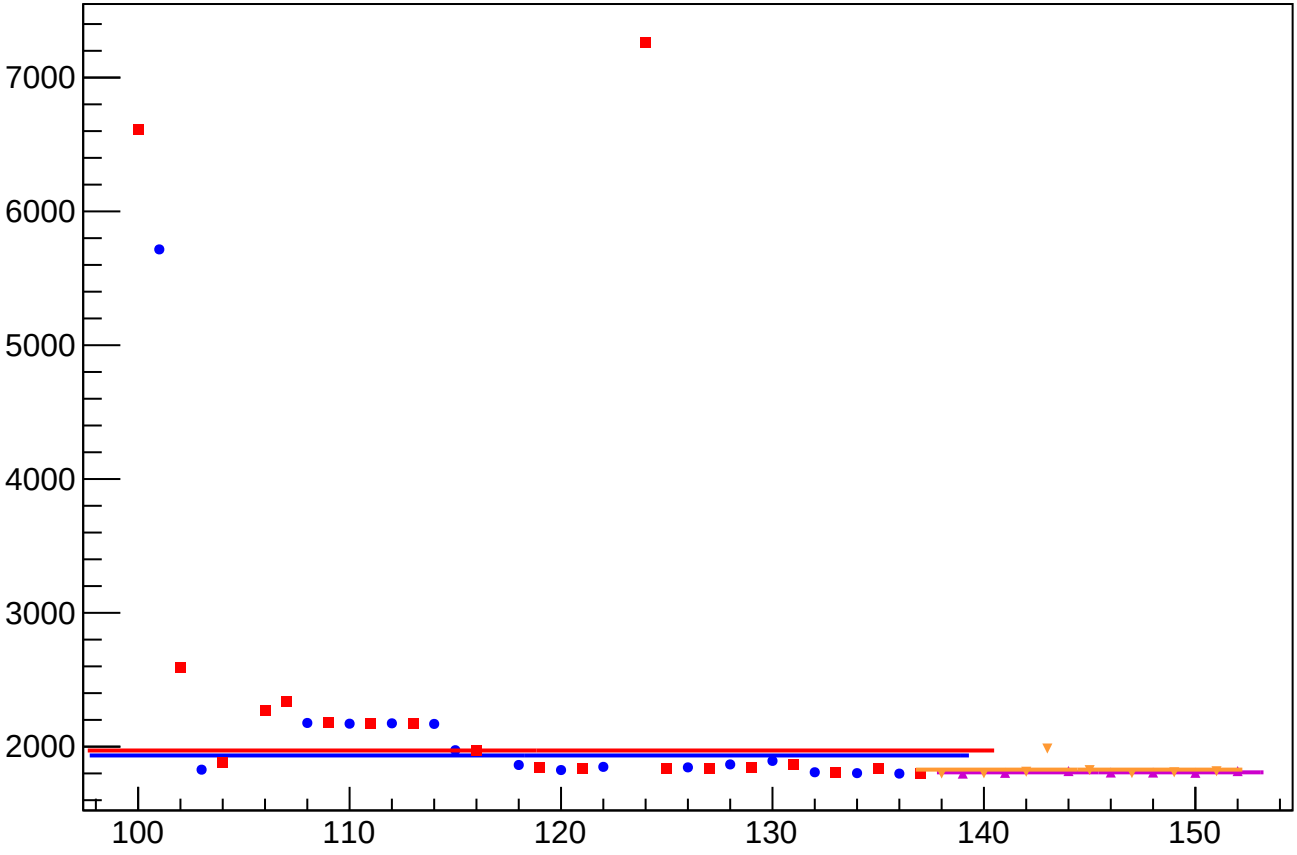
Left In: 789.903+/-729.716 χ^2/NDF:10.0/6

+ sign -41.635+/-519.599 χ^2/NDF: 26.2/23

All: 338.107+/-366.982 χ^2/NDF: 53.3/49

- sign 716.078+/-518.386 χ^2/NDF: 26.0/25

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1828.462+/-0.519 χ^2/NDF:11791.9/7

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

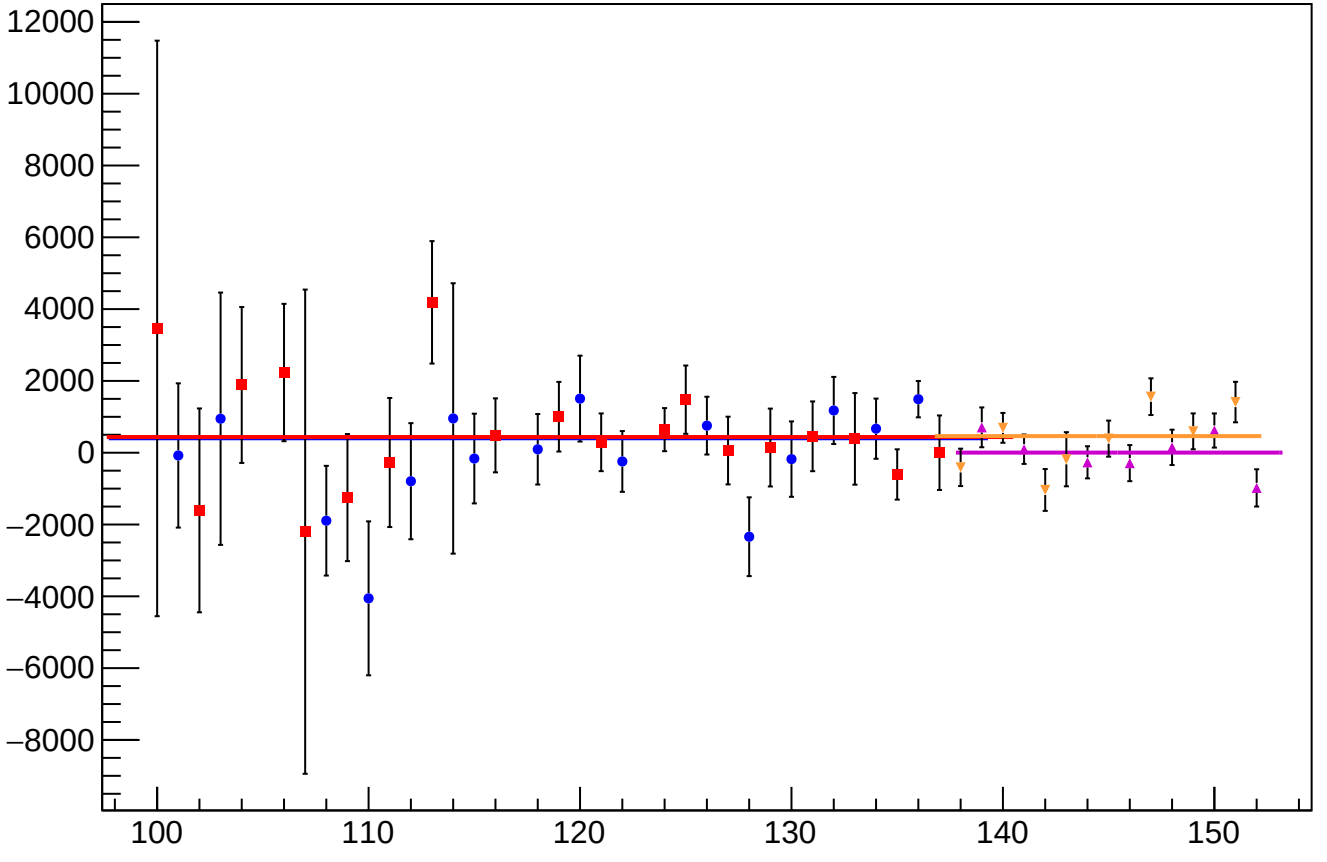
Left In: 1808.112+/-0.516 χ^2/NDF:158.5/6

+ sign 1881.298+/-0.367 χ^2/NDF: 672424.3/23

All: 1885.145+/-0.259 χ^2/NDF: 1105558.3/49

- sign 1888.974+/-0.367 χ^2/NDF: 432915.2/25

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 462.793+/-185.351 χ^2/NDF:18.0/7

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

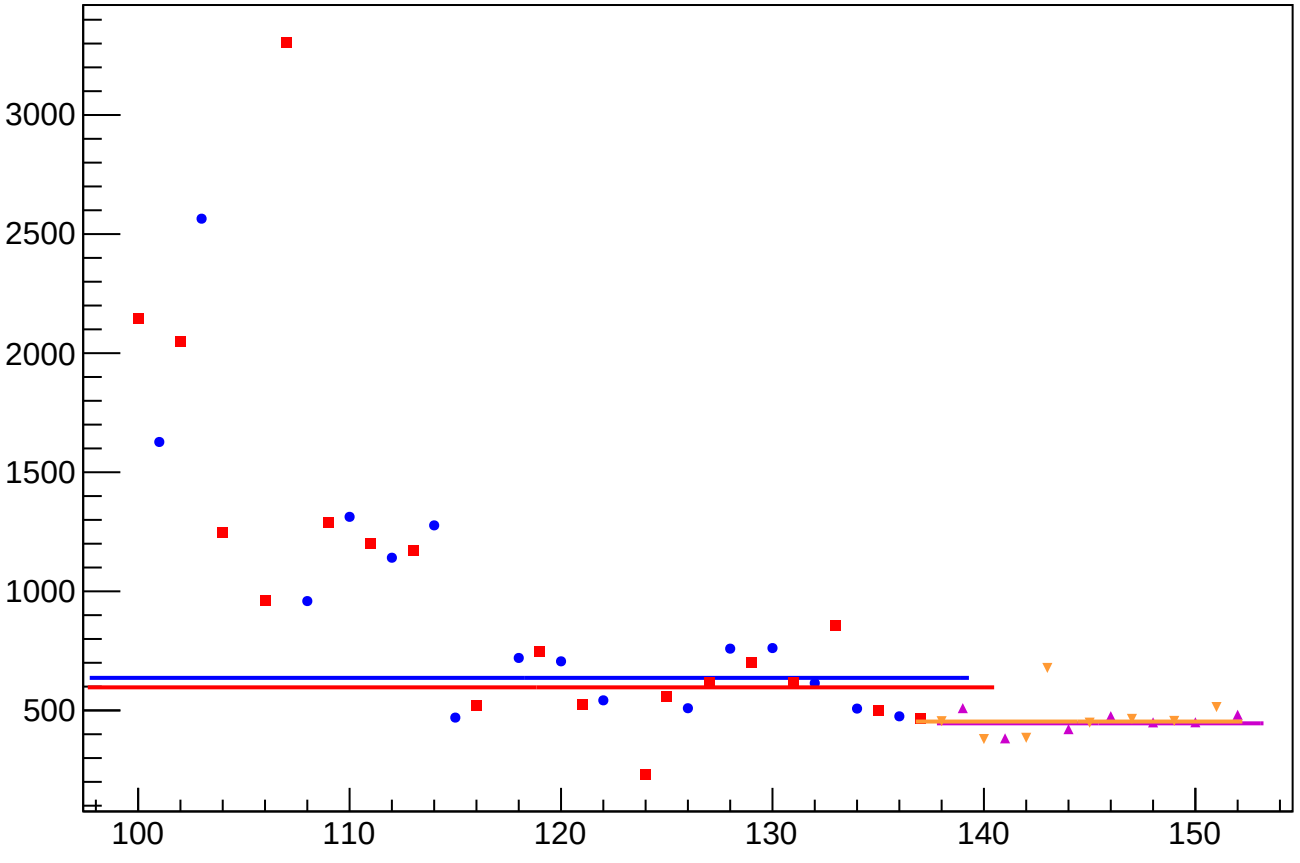
Left In: 3.431+/-181.316 χ^2/NDF:7.7/6

+ sign 442.395+/-150.643 χ^2/NDF: 39.2/23

All: 293.286+/-105.323 χ^2/NDF: 63.1/49

- sign 150.699+/-147.312 χ^2/NDF: 22.0/25

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 453.302+/-0.131 χ^2/NDF:292454.1/7

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

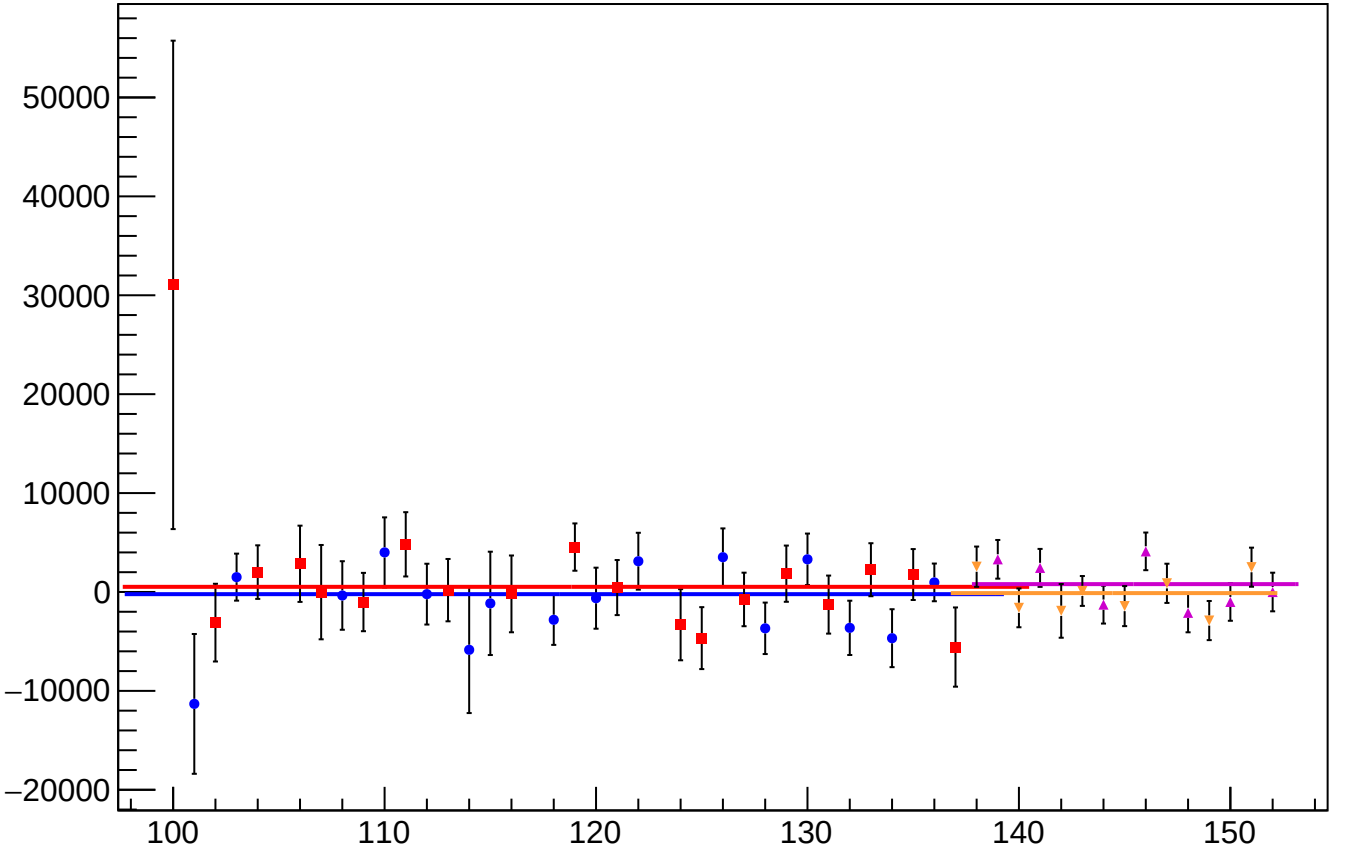
Left In: 445.788+/-0.128 χ^2/NDF:96853.2/6

+ sign 515.554+/-0.107 χ^2/NDF: 3023115.9/23

All: 506.141+/-0.074 χ^2/NDF: 6537643.2/49

- sign 497.139+/-0.104 χ^2/NDF: 3499249.4/25

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -113.521+/-692.515 χ^2/NDF:7.2/7

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

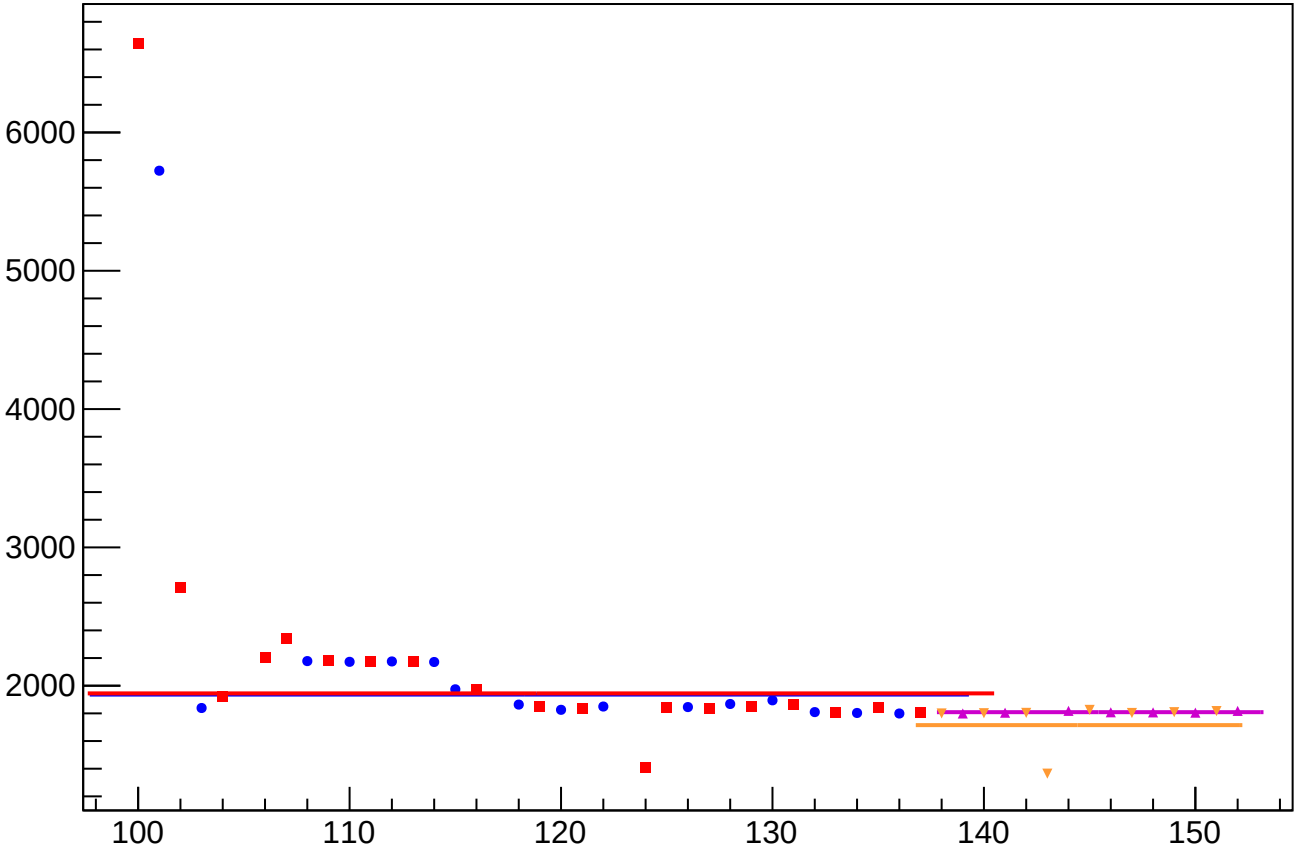
Left In: 794.336+/-729.963 χ^2/NDF:9.8/6

+ sign -163.715+/-504.319 χ^2/NDF: 24.3/23

All: 238.216+/-360.115 χ^2/NDF: 51.0/49

- sign 656.361+/-514.391 χ^2/NDF: 25.5/25

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1715.051+/-0.490 χ^2/NDF:136981.2/7

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

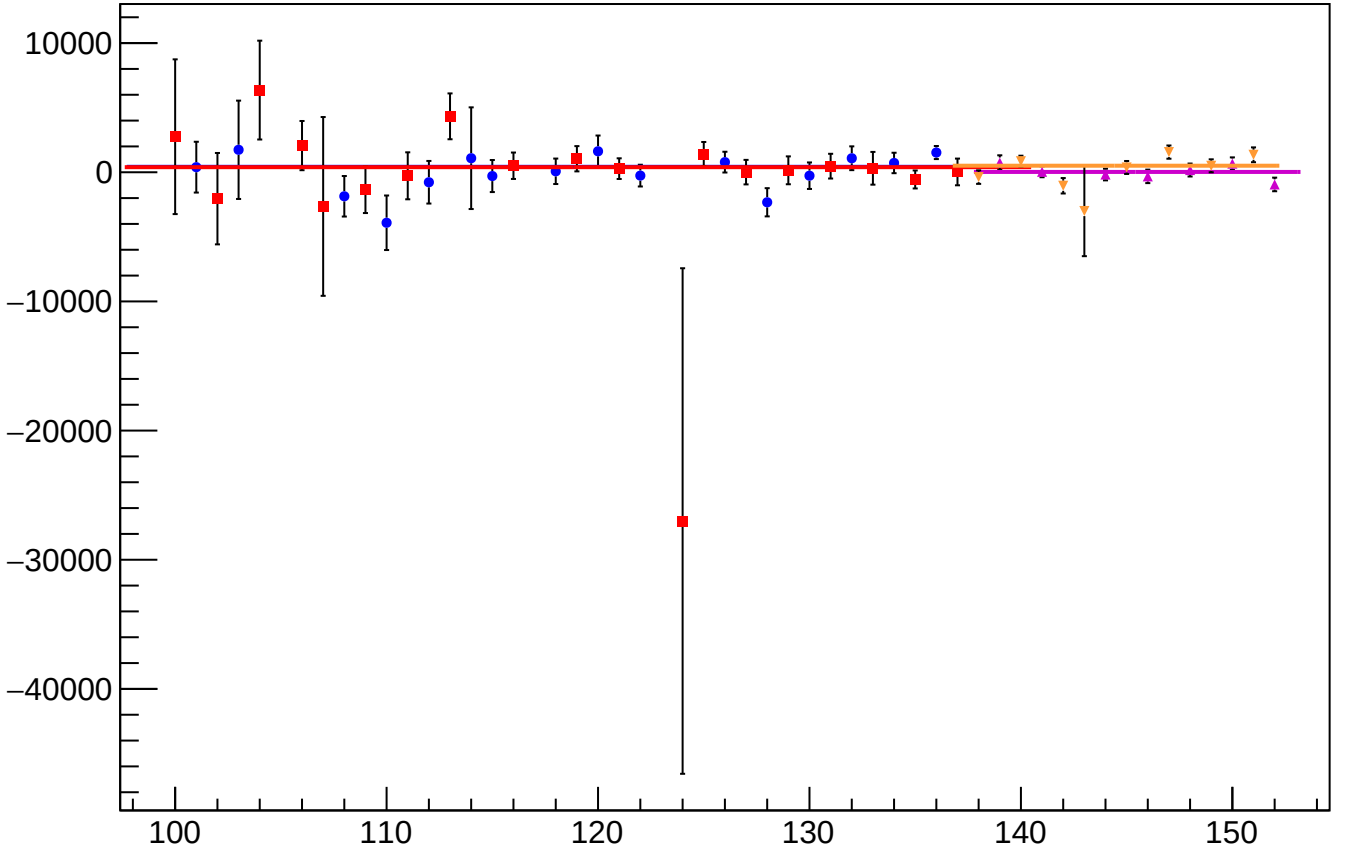
Left In: 1808.725+/-0.516 χ^2/NDF:157.7/6

+ sign 1818.811+/-0.357 χ^2/NDF: 872385.5/23

All: 1847.367+/-0.255 χ^2/NDF: 1196681.6/49

- sign 1877.075+/-0.364 χ^2/NDF: 311212.5/25

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 507.270+/-193.481 χ^2/NDF:17.7/7

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

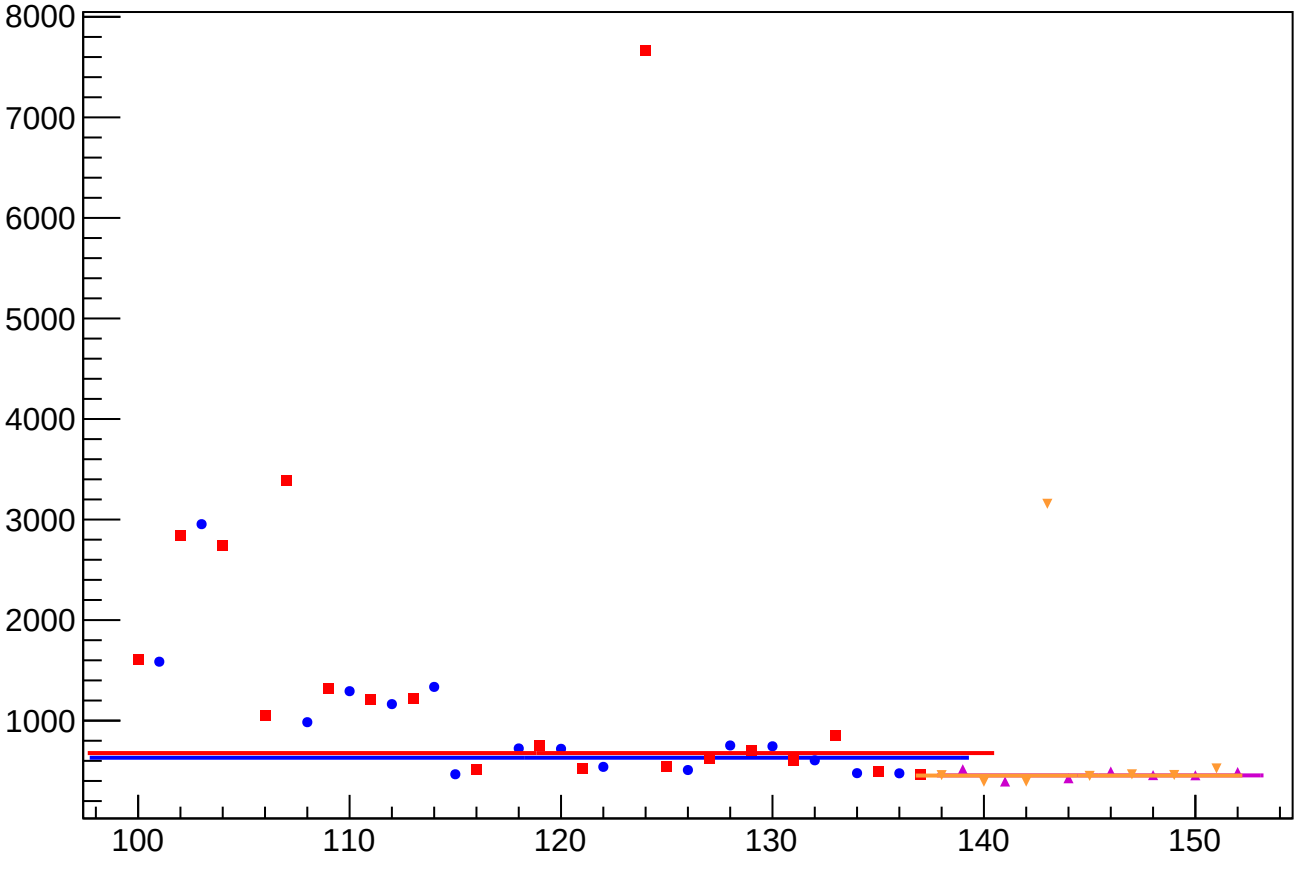
Left In: 24.623+/-184.985 χ^2/NDF:7.6/6

+ sign 476.076+/-154.519 χ^2/NDF: 39.3/23

All: 306.253+/-109.173 χ^2/NDF: 66.3/49

- sign 136.978+/-154.270 χ^2/NDF: 24.6/25

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 453.748+/-0.137 χ^2/NDF:1290434.2/7

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

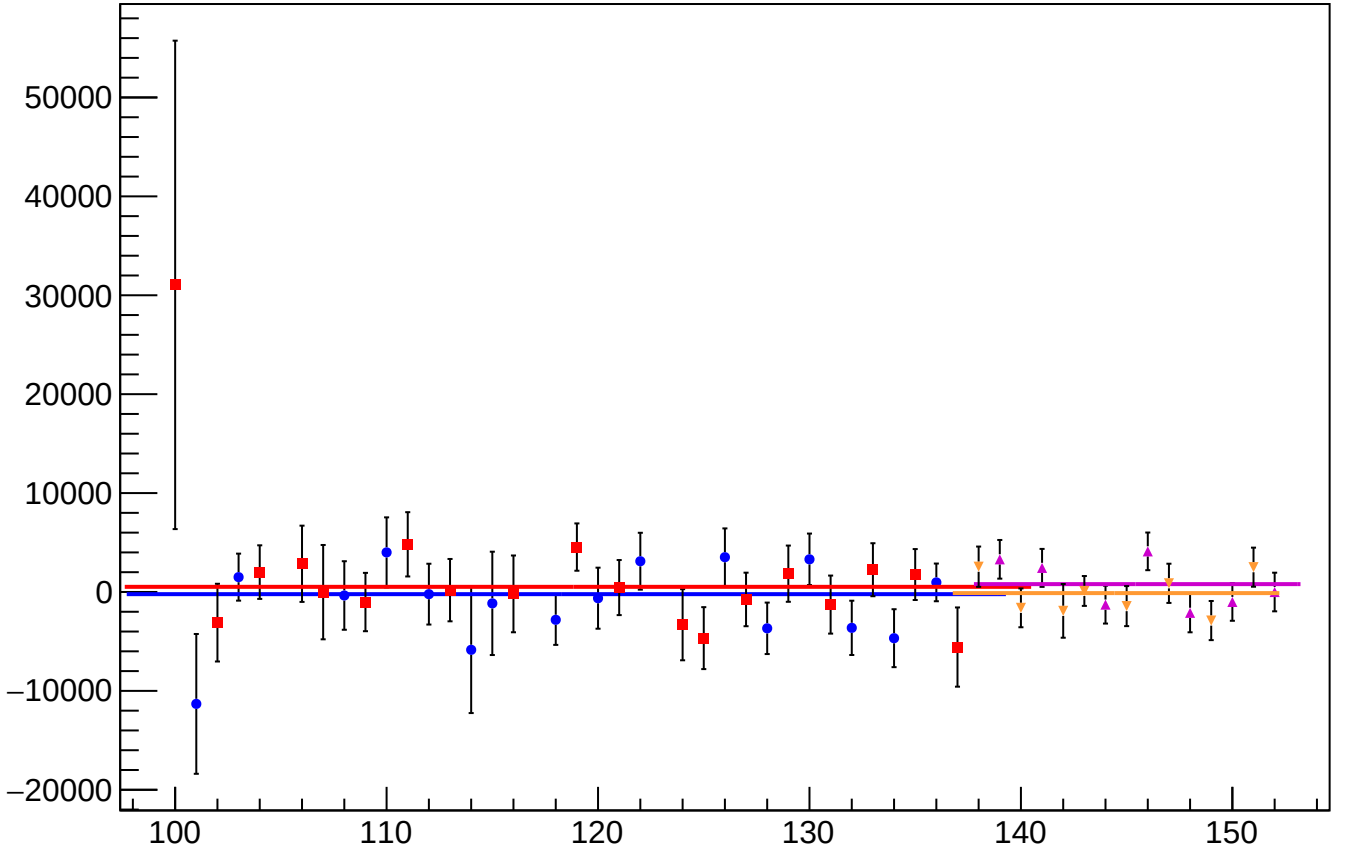
Left In: 455.365+/-0.131 χ^2/NDF:92272.3/6

+ sign 517.999+/-0.109 χ^2/NDF: 4133840.6/23

All: 520.498+/-0.077 χ^2/NDF: 8186443.6/49

- sign 522.988+/-0.109 χ^2/NDF: 4051558.6/25

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -113.522+/-692.515 χ^2/NDF:7.2/7

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

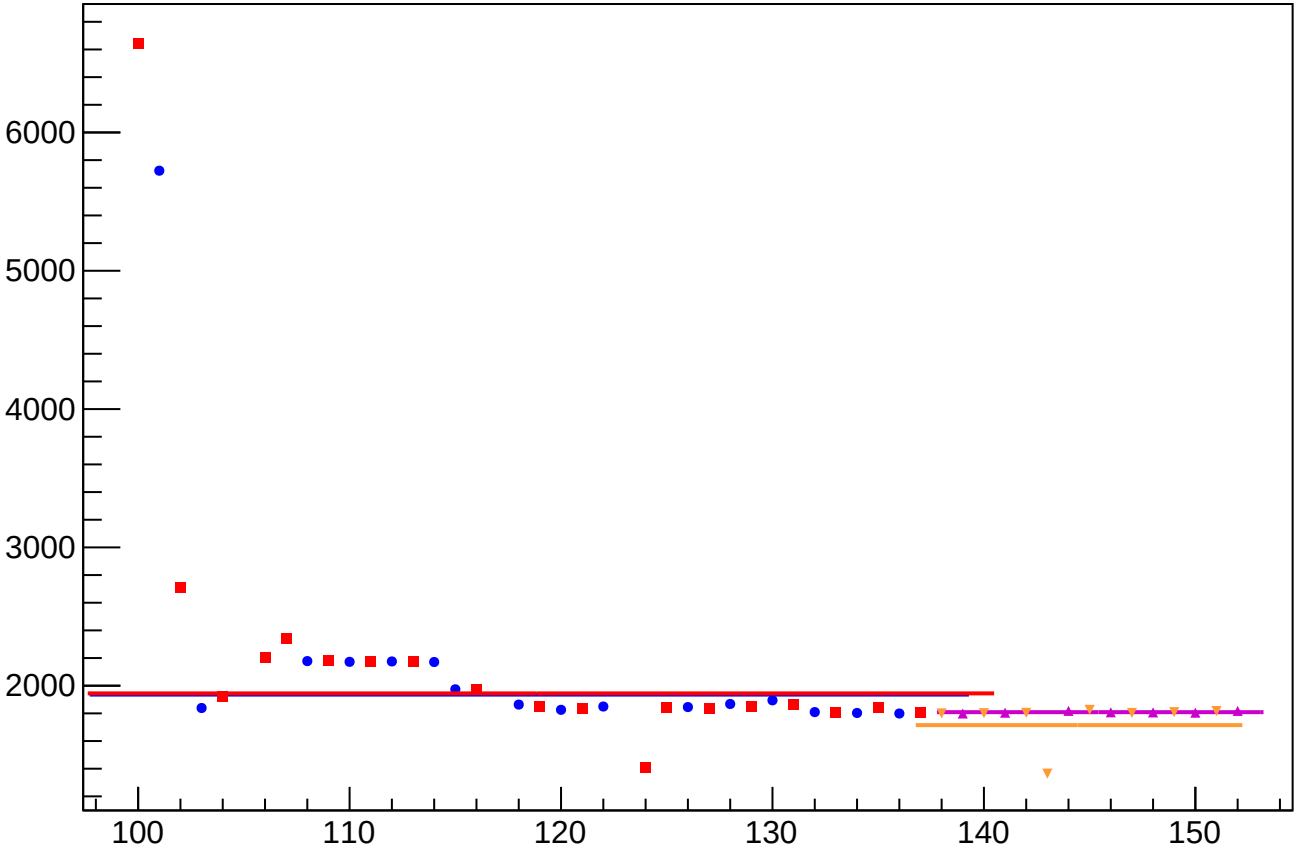
Left In: 794.336+/-729.963 χ^2/NDF:9.8/6

+ sign -163.715+/-504.319 χ^2/NDF: 24.3/23

All: 238.216+/-360.115 χ^2/NDF: 51.0/49

- sign 656.362+/-514.391 χ^2/NDF: 25.5/25

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1715.051+/-0.490 χ^2/NDF:136981.2/7

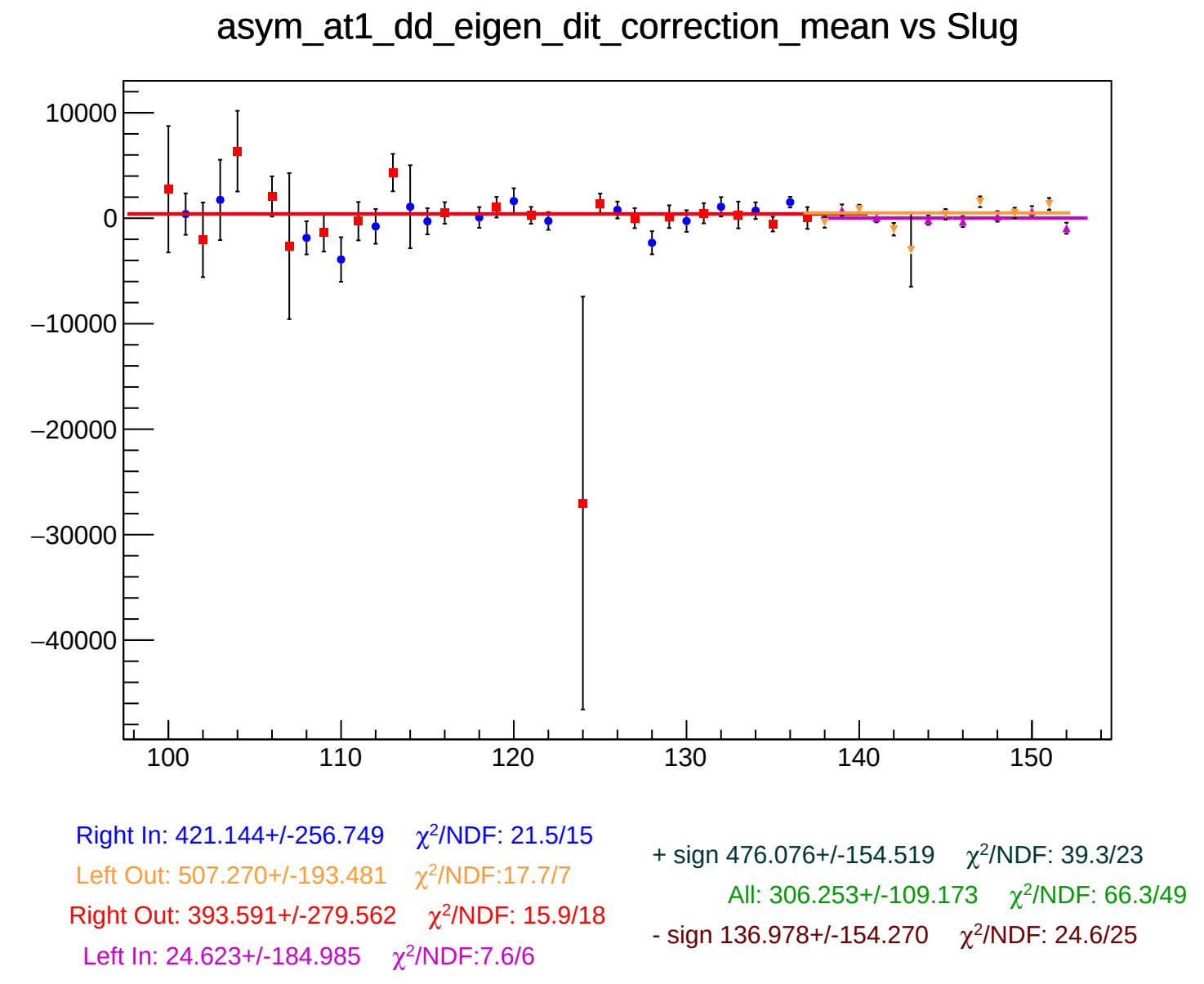
Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1808.725+/-0.516 χ^2/NDF:157.7/6

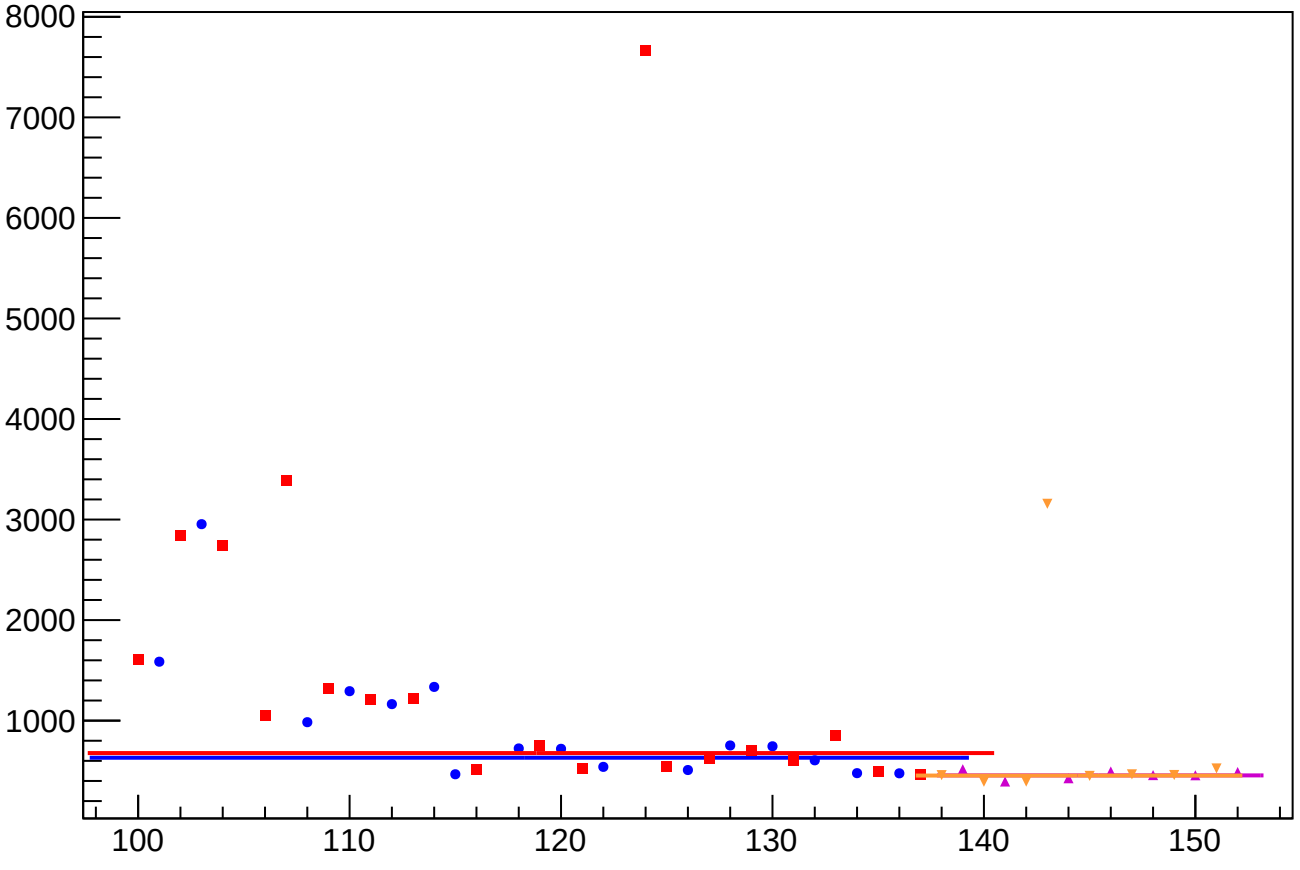
+ sign 1818.810+/-0.357 χ^2/NDF: 872385.5/23

All: 1847.367+/-0.255 χ^2/NDF: 1196681.4/49

- sign 1877.075+/-0.364 χ^2/NDF: 311212.3/25


asym_at1_dd_eigen_dit_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: 421.144+/-256.749 χ²/NDF: 21.5/15
Left Out: 507.270+/-193.481 χ²/NDF:17.7/7
Right Out: 393.591+/-279.562 χ²/NDF: 15.9/18
Left In: 24.623+/-184.985 χ²/NDF:7.6/6
+ sign 476.076+/-154.519 χ²/NDF: 39.3/23
All: 306.253+/-109.173 χ²/NDF: 66.3/49
- sign 136.978+/-154.270 χ²/NDF: 24.6/25

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 453.747+/-0.137 χ^2/NDF:1290433.8/7

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

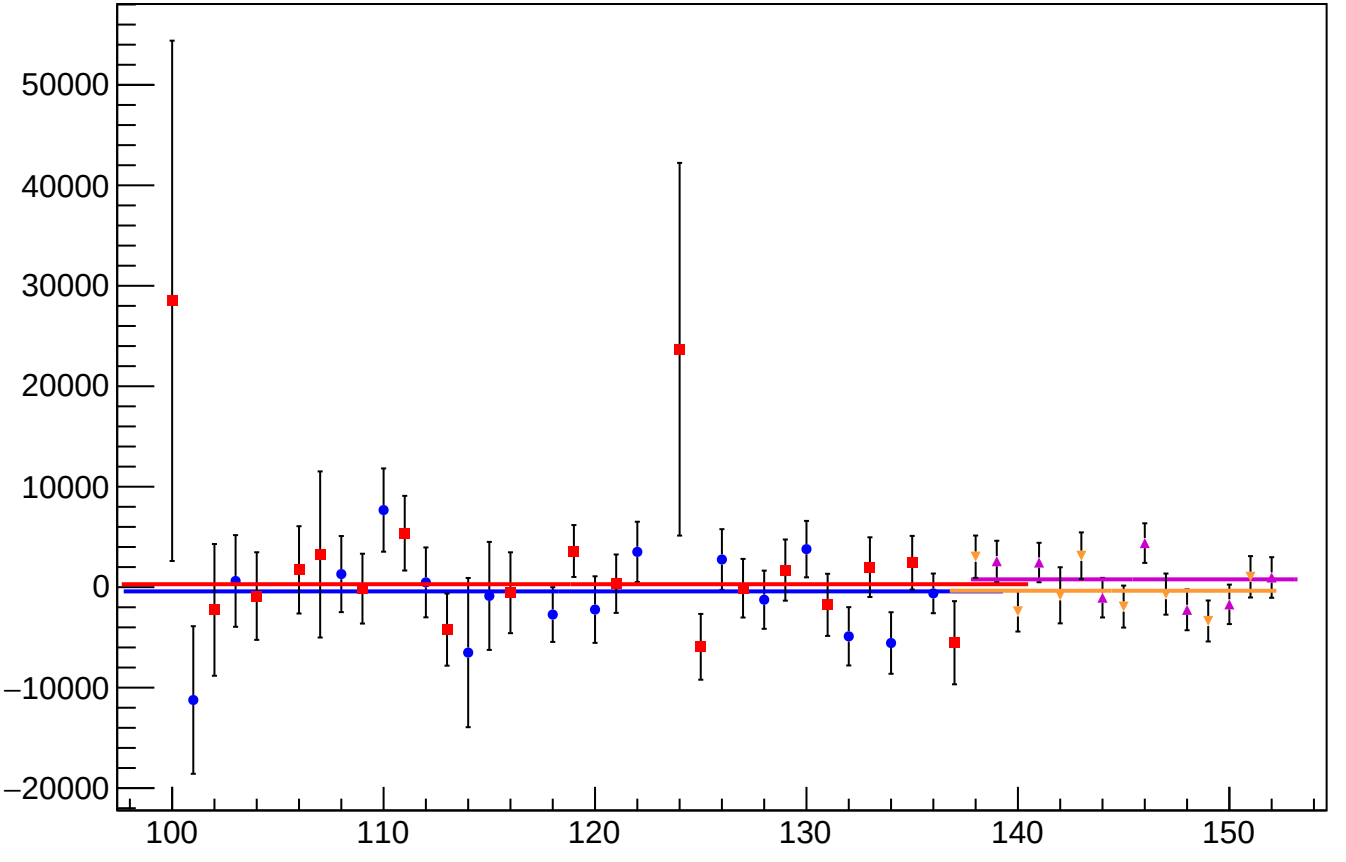
Left In: 455.364+/-0.131 χ^2/NDF:92273.1/6

+ sign 517.998+/-0.109 χ^2/NDF: 4133844.7/23

All: 520.497+/-0.077 χ^2/NDF: 8186451.0/49

- sign 522.988+/-0.109 χ^2/NDF: 4051561.7/25

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -355.435+/-760.334 χ^2/NDF:9.1/7

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

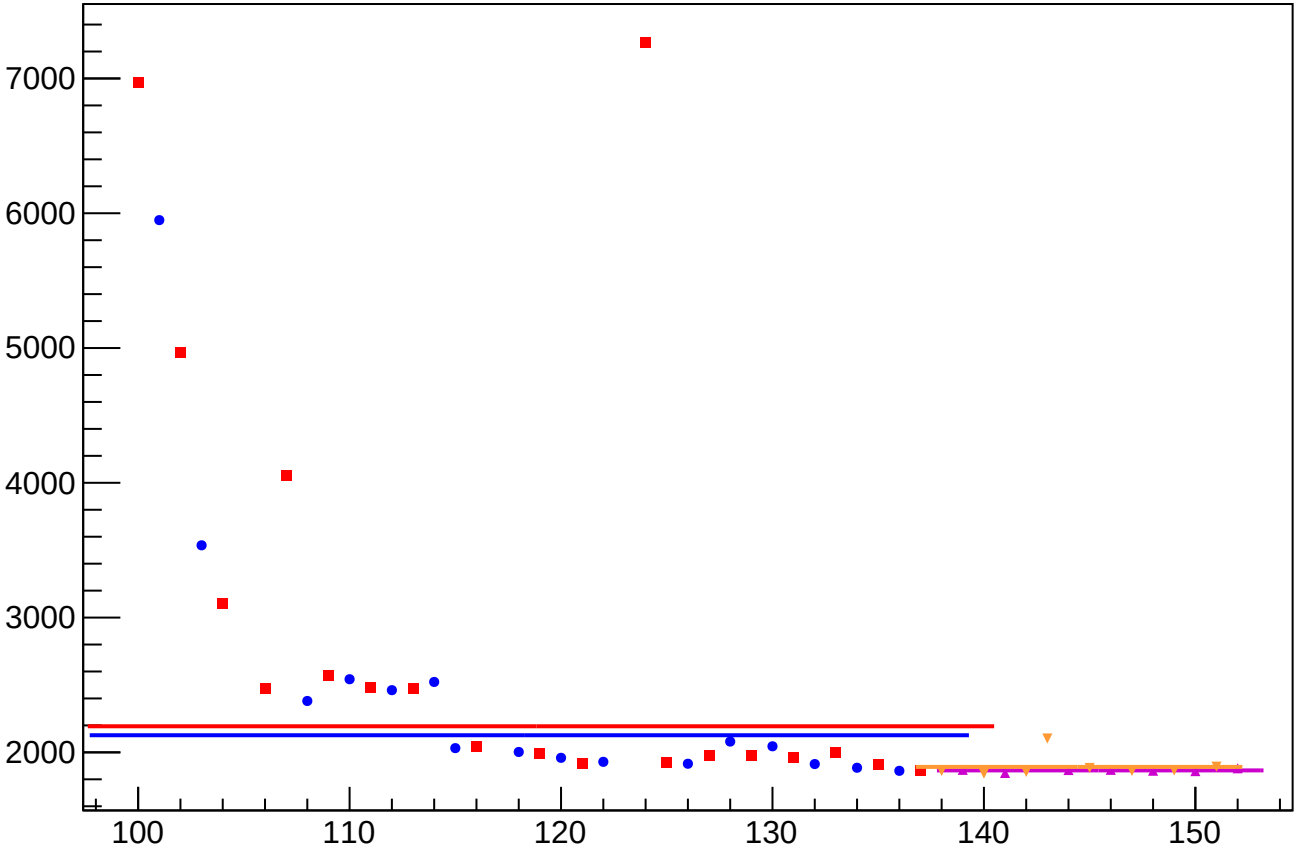
Left In: 778.657+/-753.144 χ^2/NDF:9.6/6

+ sign -384.377+/-556.077 χ^2/NDF: 27.5/23

All: 86.231+/-393.967 χ^2/NDF: 54.3/49

- sign 560.504+/-558.238 χ^2/NDF: 25.4/25

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1892.070+/-0.538 χ^2/NDF:19188.7/7

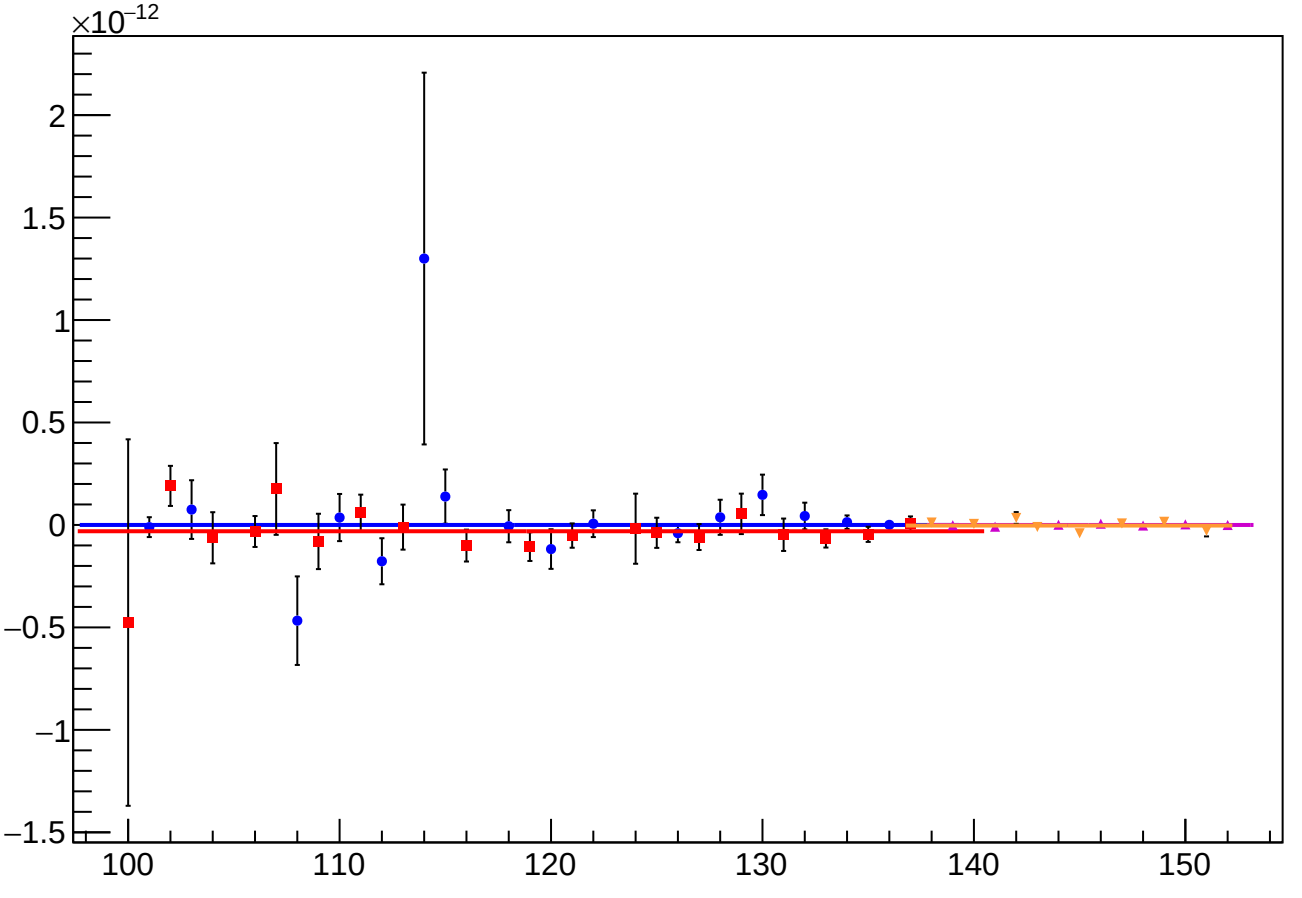
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1866.128+/-0.533 χ^2/NDF:344.7/6

+ sign 2001.359+/-0.393 χ^2/NDF: 983107.6/23

All: 2007.491+/-0.279 χ^2/NDF: 2096861.5/49

- sign 2013.672+/-0.395 χ^2/NDF: 1113265.4/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

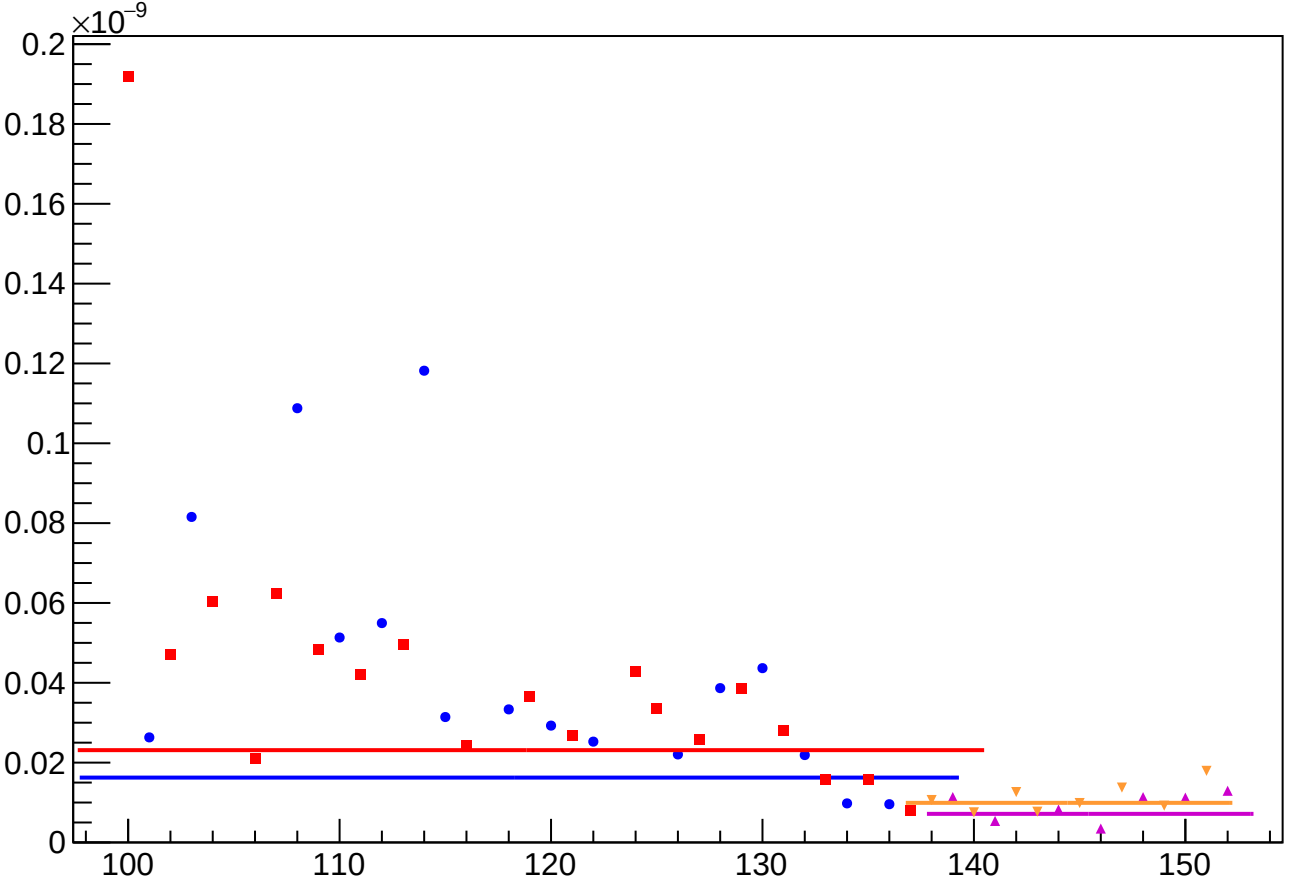
Left In: -0.000+/-0.000 χ^2/NDF:1.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 26.5/23

All: -0.000+/-0.000 χ^2/NDF: 43.3/49

- sign -0.000+/-0.000 χ^2/NDF: 16.8/25

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:349030.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

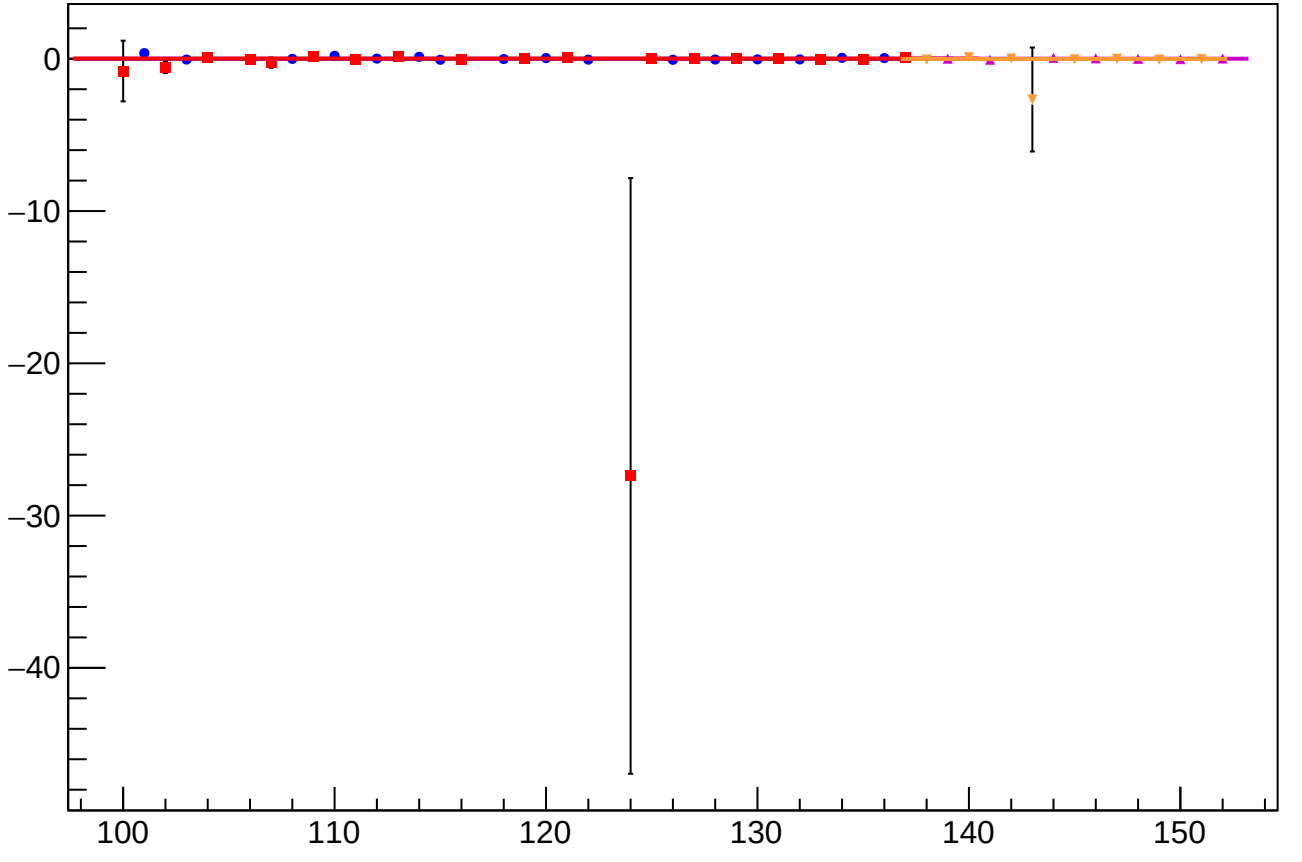
Left In: 0.000+/-0.000 χ^2/NDF:741861.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3073127.2/23

All: 0.000+/-0.000 χ^2/NDF: 7279600.9/49

- sign 0.000+/-0.000 χ^2/NDF: 3993941.8/25

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.0/7

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

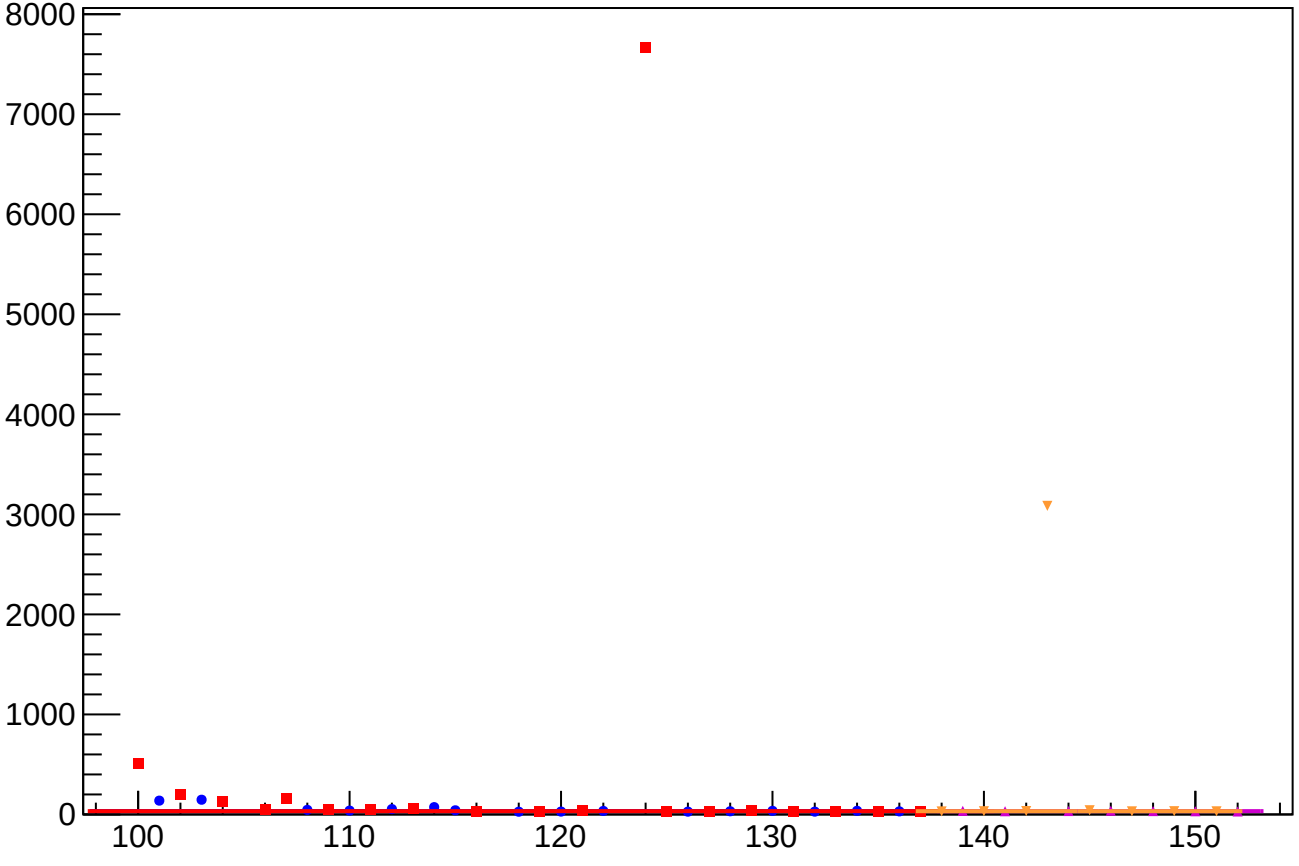
Left In: 0.004+/-0.015 χ^2/NDF:6.6/6

+ sign -0.006+/-0.011 χ^2/NDF: 33.6/23

All: 0.001+/-0.007 χ^2/NDF: 55.4/49

- sign 0.008+/-0.010 χ^2/NDF: 21.0/25

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.692+/-0.011 χ^2/NDF:1688736.9/7

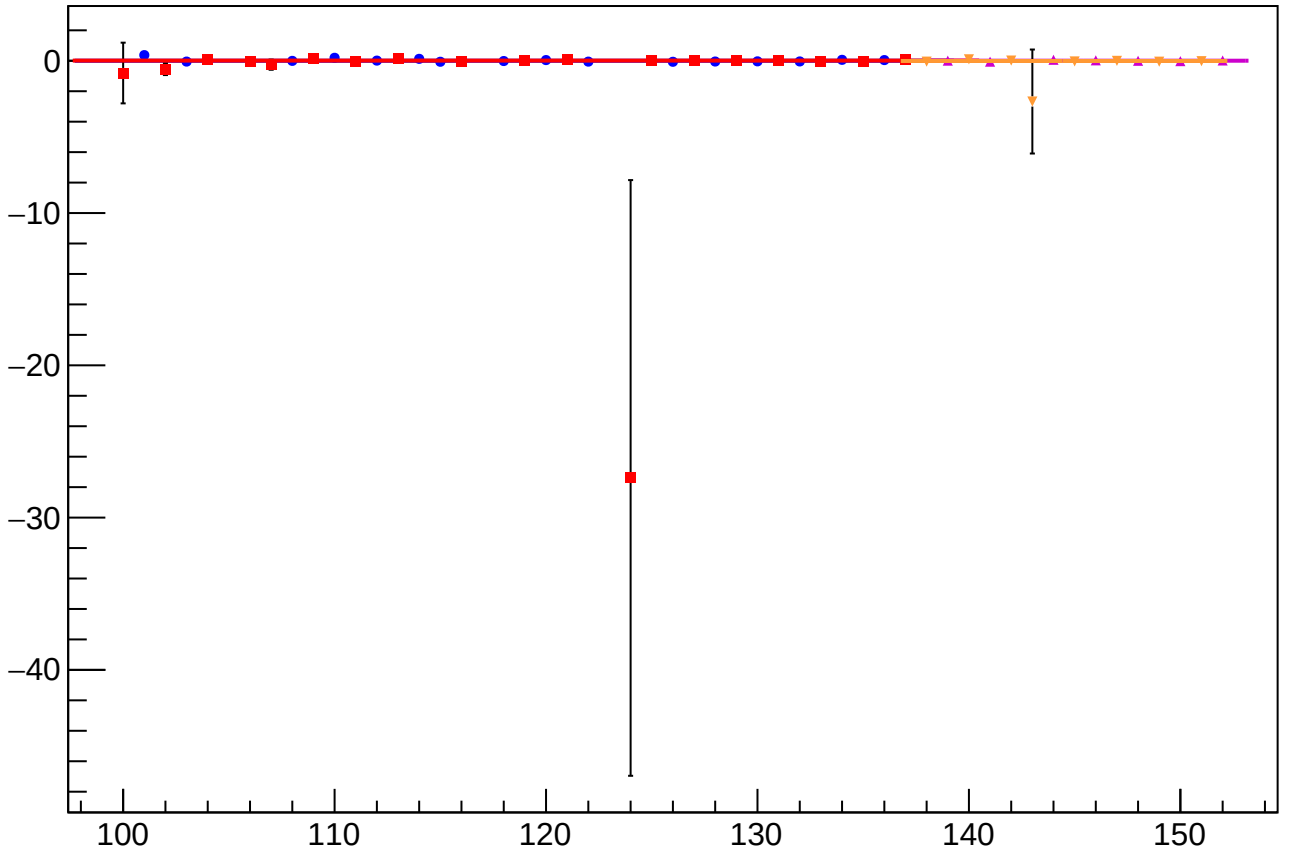
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 33.337+/-0.010 χ^2/NDF:50773.2/6

\+ sign 33.396+/-0.007 χ^2/NDF: 3414261.0/23

All: 33.303+/-0.005 χ^2/NDF: 5540759.4/49

\- sign 33.213+/-0.007 χ^2/NDF: 2126194.2/25



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.0/7

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

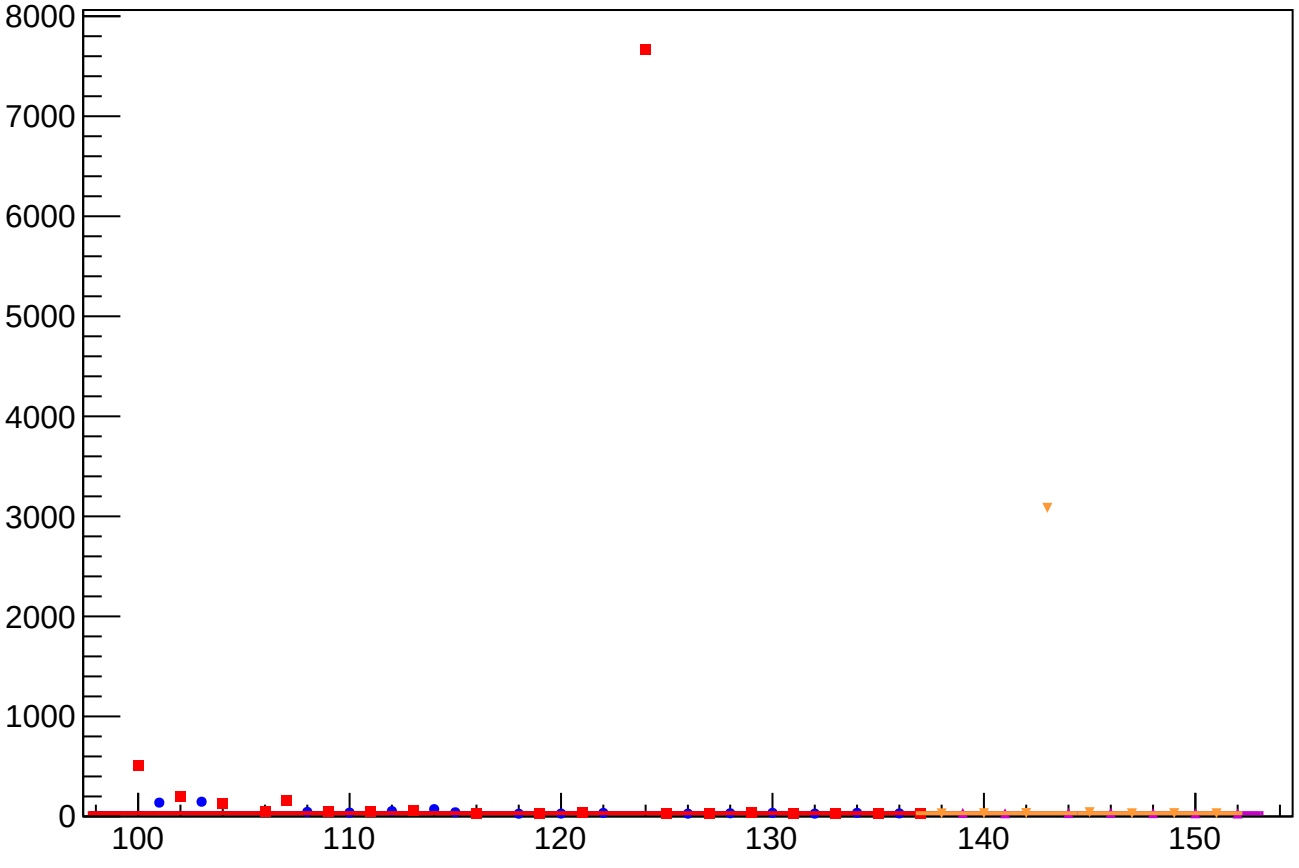
Left In: 0.004+/-0.015 χ^2/NDF:6.6/6

\+ sign -0.006+/-0.011 χ^2/NDF: 33.6/23

All: 0.001+/-0.007 χ^2/NDF: 55.4/49

\- sign 0.008+/-0.010 χ^2/NDF: 21.0/25

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: 32.692+/-0.011 χ^2/NDF:1688736.9/7

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

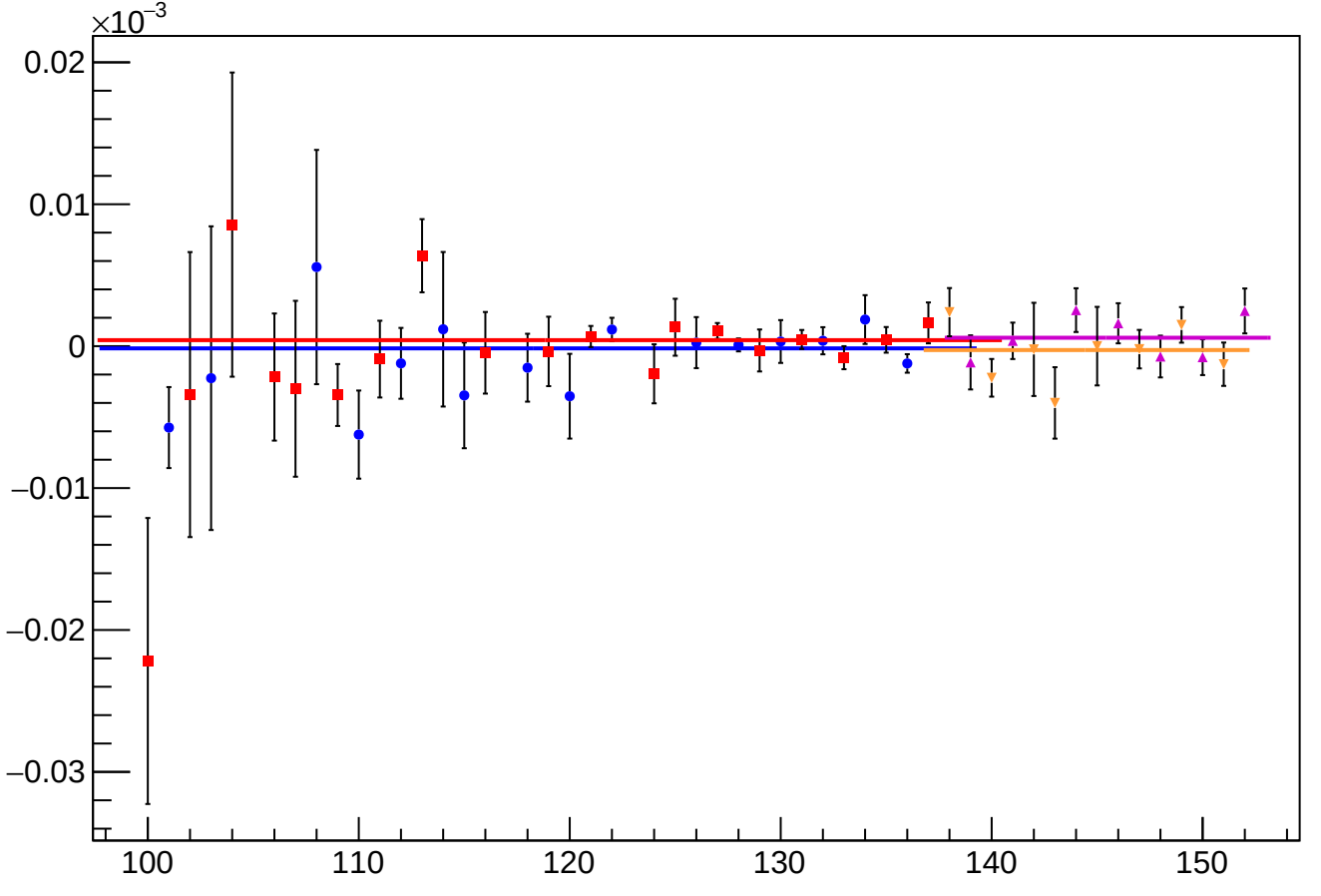
Left In: 33.337+/-0.010 χ^2/NDF:50773.2/6

\+ sign 33.396+/-0.007 χ^2/NDF: 3414261.0/23

All: 33.303+/-0.005 χ^2/NDF: 5540759.4/49

\- sign 33.213+/-0.007 χ^2/NDF: 2126194.2/25

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:9.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

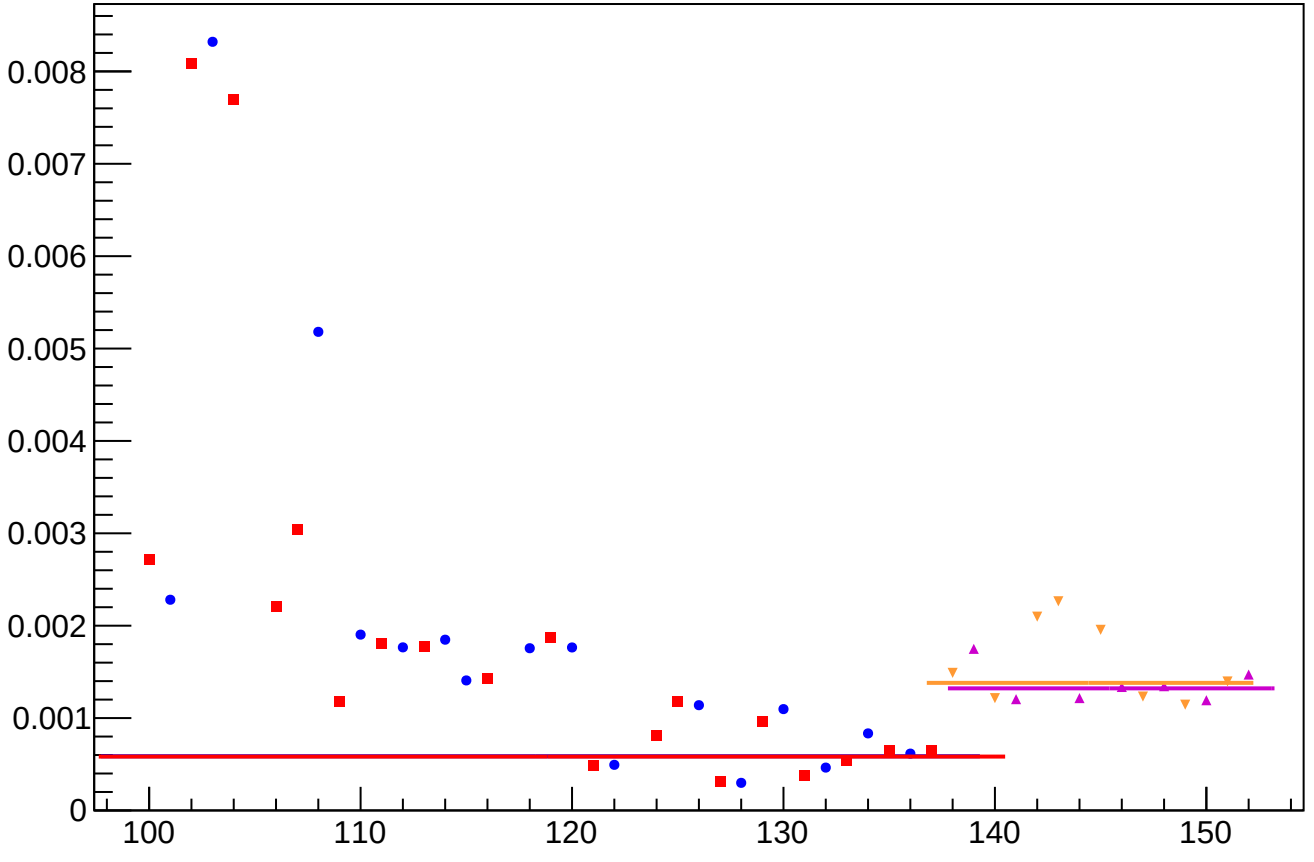
Left In: 0.000+/-0.000 χ^2/NDF:6.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 27.5/23

All: 0.000+/-0.000 χ^2/NDF: 58.6/49

- sign 0.000+/-0.000 χ^2/NDF: 28.0/25

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:561594.1/7

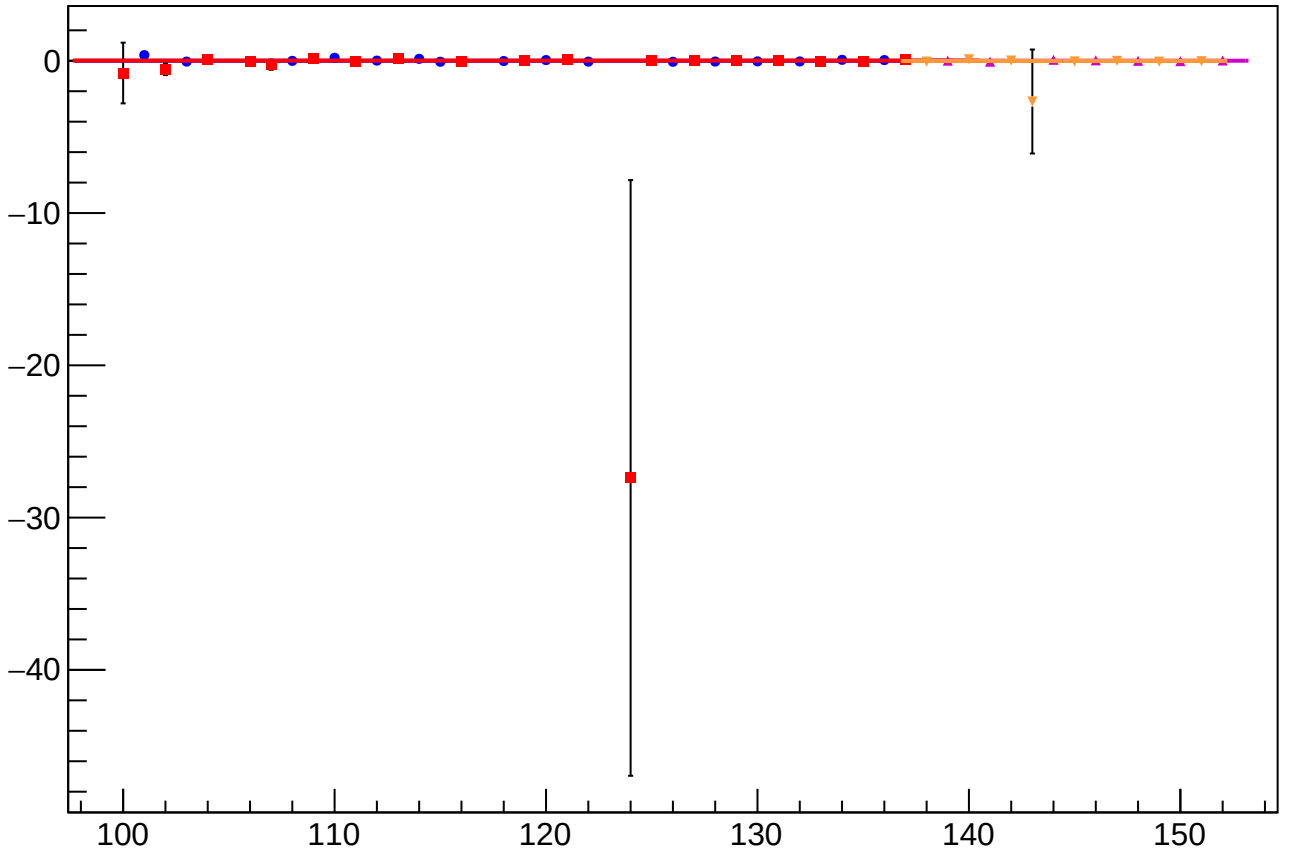
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:165906.5/6

+ sign 0.001+/-0.000 χ^2/NDF: 8979077.8/23

All: 0.001+/-0.000 χ^2/NDF: 17411094.4/49

- sign 0.001+/-0.000 χ^2/NDF: 8431299.8/25



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.0/7

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

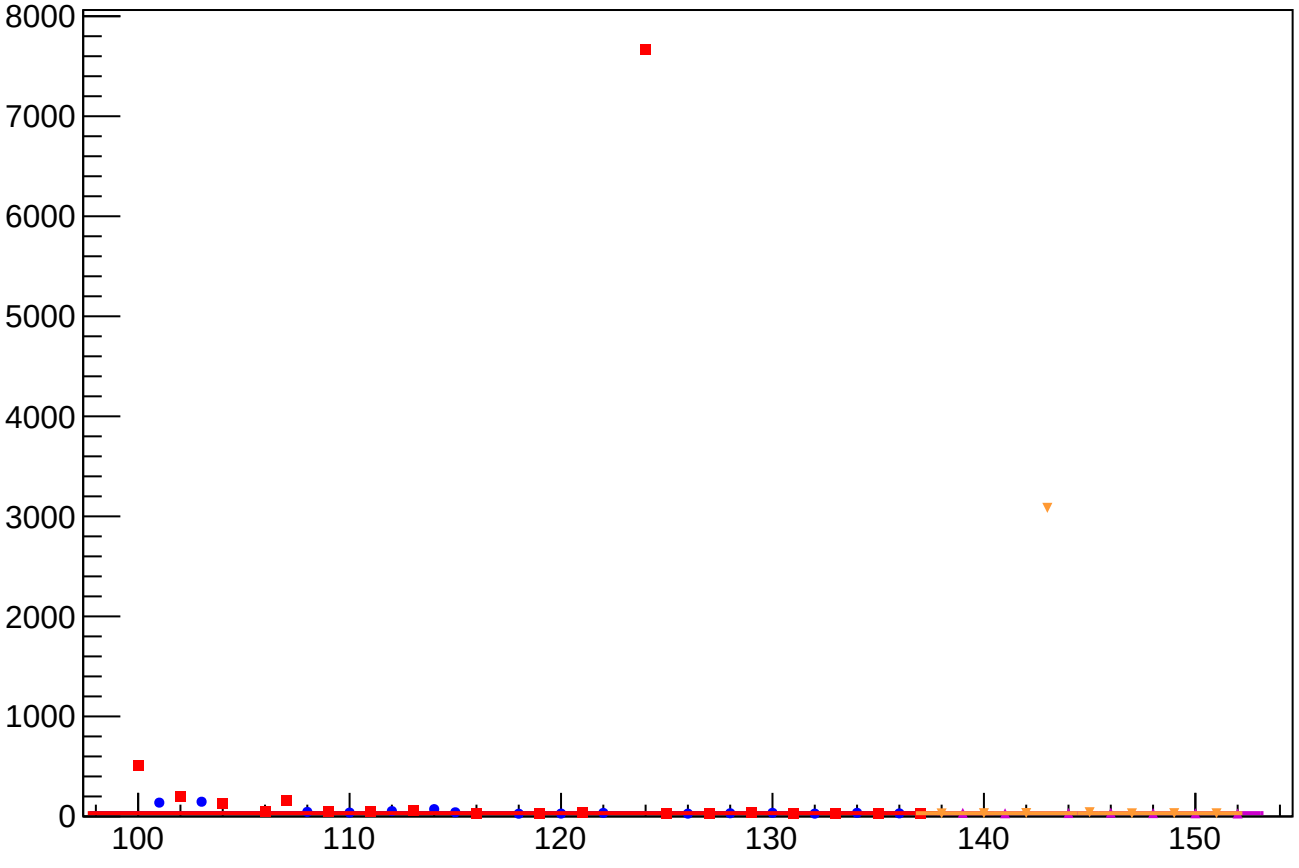
Left In: 0.004+/-0.015 χ^2/NDF:6.6/6

+ sign -0.006+/-0.011 χ^2/NDF: 33.6/23

All: 0.001+/-0.007 χ^2/NDF: 55.4/49

- sign 0.008+/-0.010 χ^2/NDF: 21.0/25

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: 32.692+/-0.011 χ^2/NDF:1688737.4/7

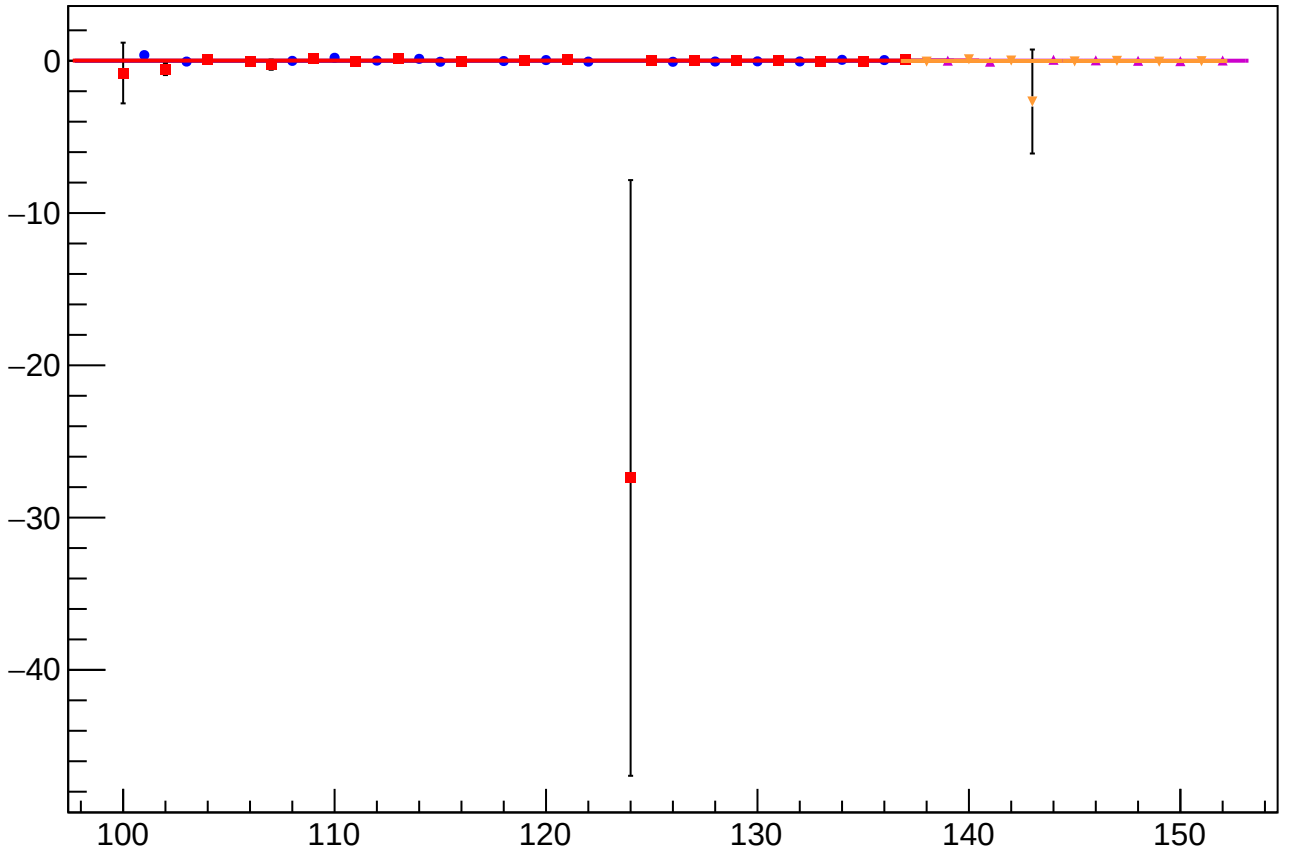
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.337+/-0.010 χ^2/NDF:50775.6/6

+ sign 33.396+/-0.007 χ^2/NDF: 3414251.5/23

All: 33.303+/-0.005 χ^2/NDF: 5540733.9/49

- sign 33.213+/-0.007 χ^2/NDF: 2126178.2/25



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.0/7

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

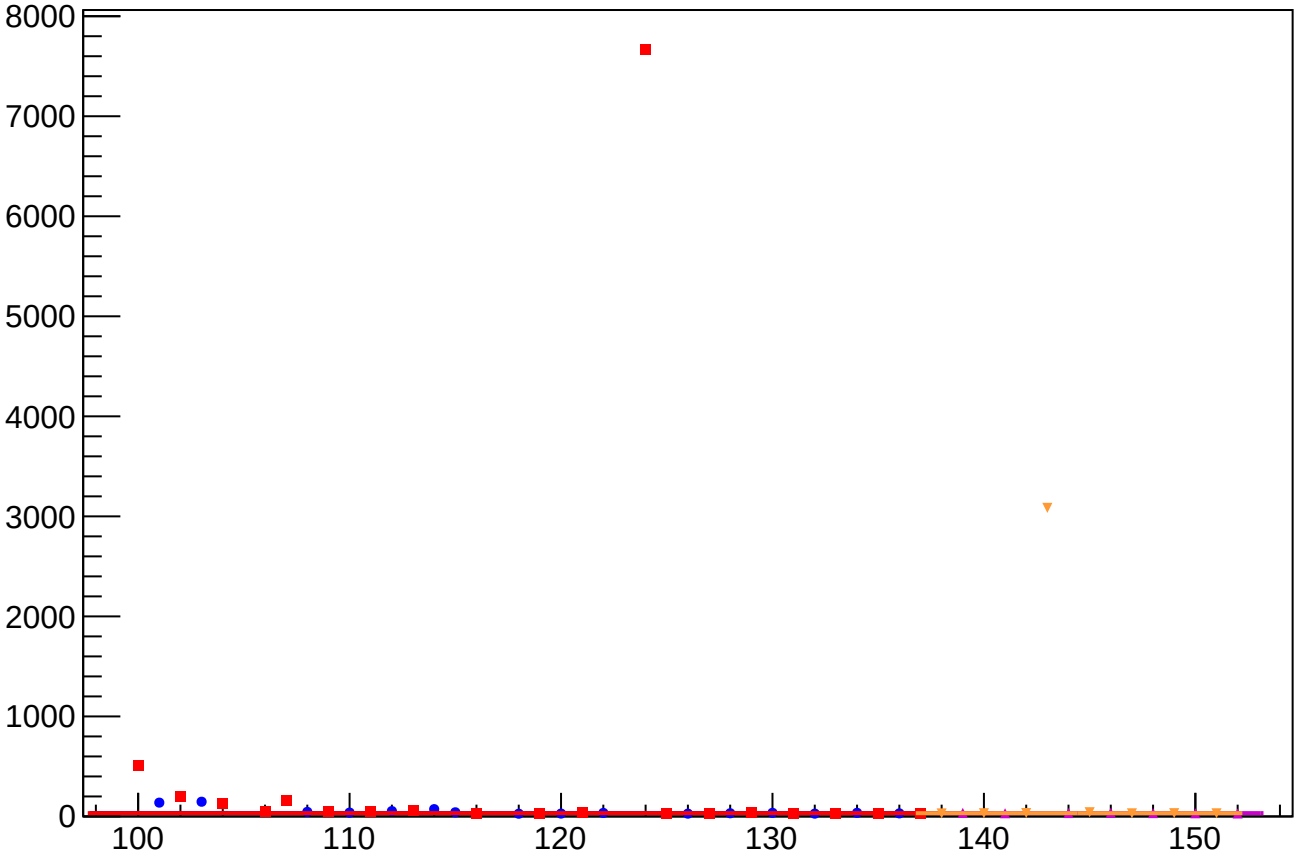
Left In: 0.004+/-0.015 χ^2/NDF:6.6/6

+ sign -0.006+/-0.011 χ^2/NDF: 33.6/23

All: 0.001+/-0.007 χ^2/NDF: 55.4/49

- sign 0.008+/-0.010 χ^2/NDF: 21.0/25

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.692+/-0.011 χ^2/NDF:1688737.4/7

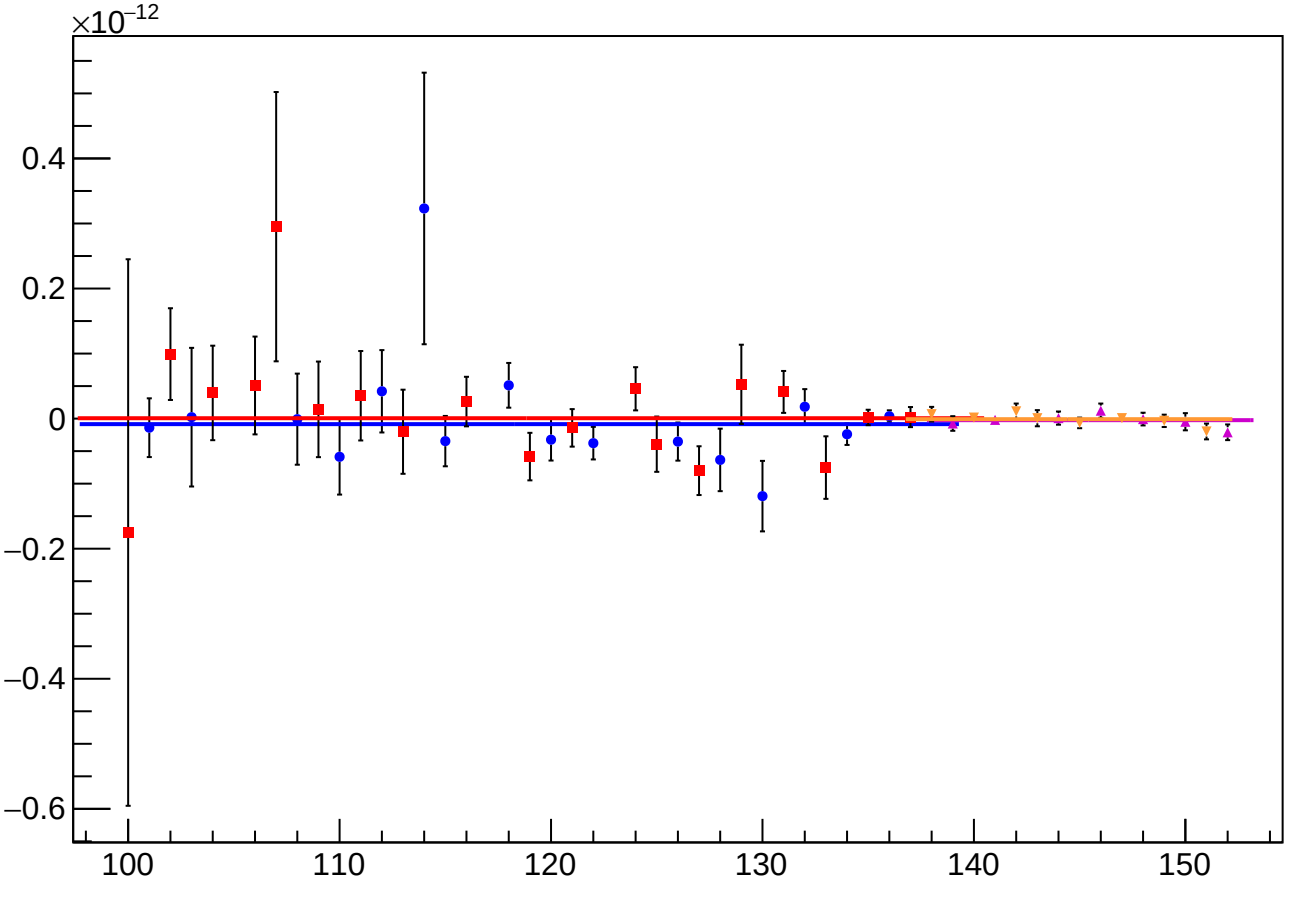
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.337+/-0.010 χ^2/NDF:50775.6/6

+ sign 33.396+/-0.007 χ^2/NDF: 3414251.5/23

All: 33.303+/-0.005 χ^2/NDF: 5540733.9/49

- sign 33.213+/-0.007 χ^2/NDF: 2126178.2/25



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/7

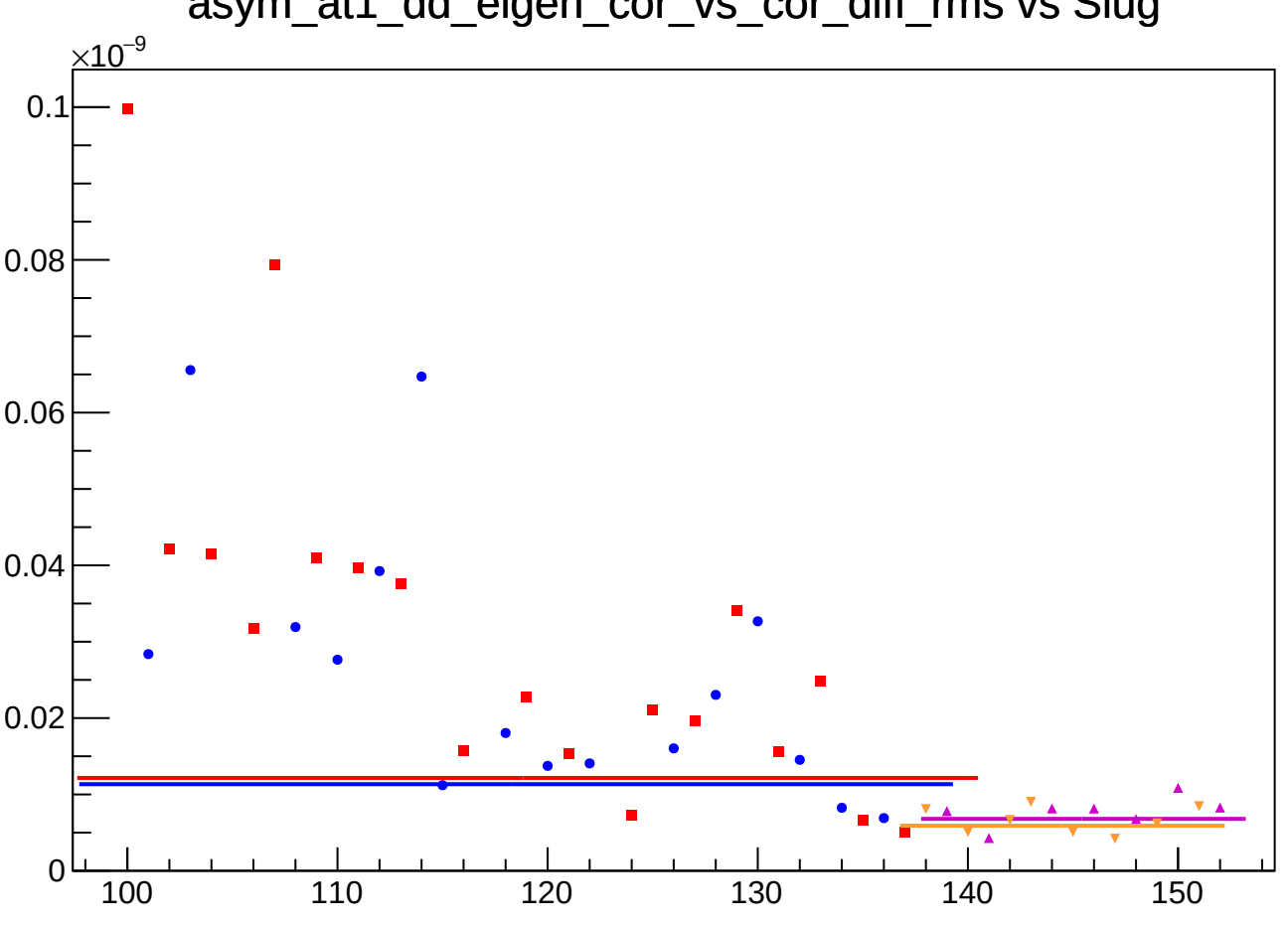
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/23

All: -0.000+/-0.000 χ^2/NDF: 50.5/49

- sign -0.000+/-0.000 χ^2/NDF: 25.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:458354.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

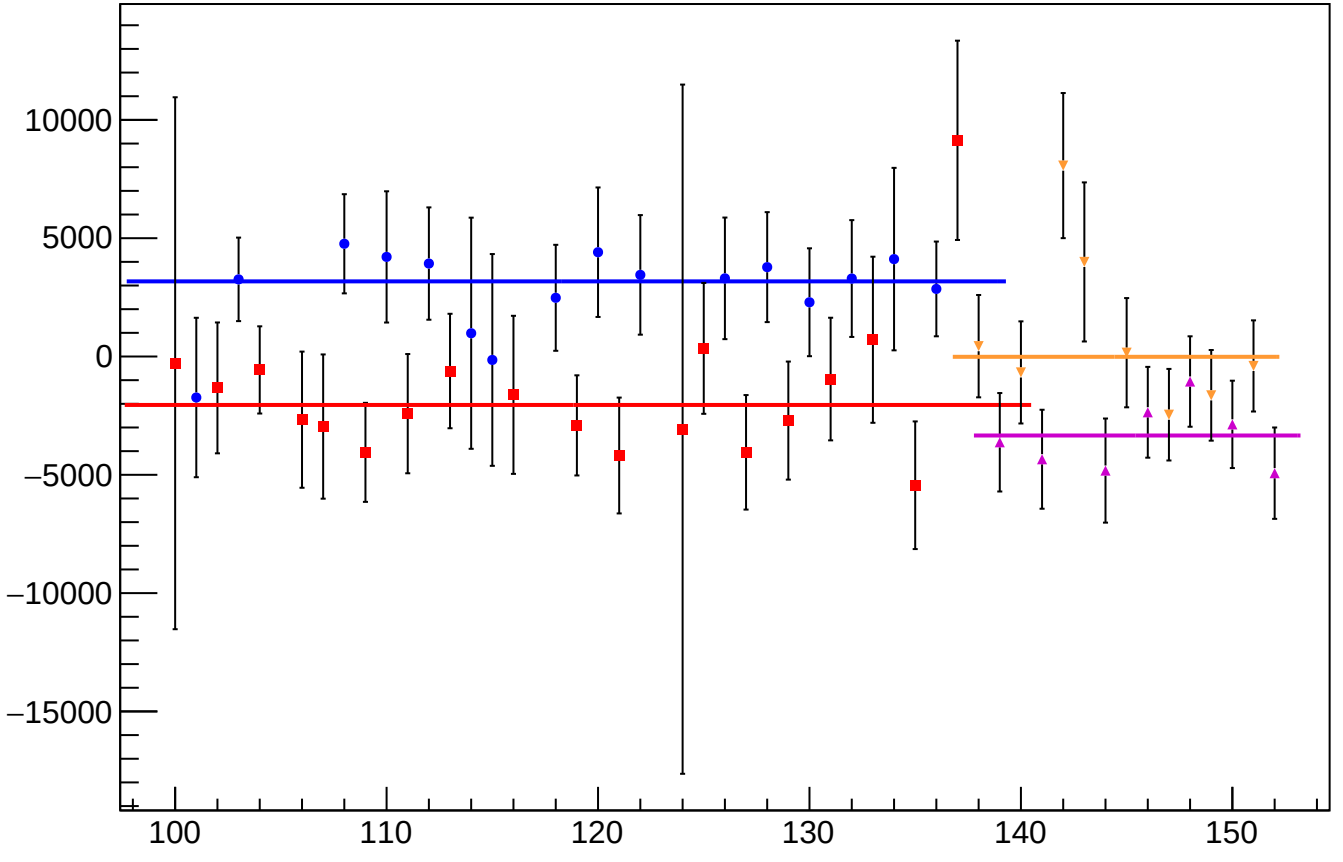
Left In: 0.000+/-0.000 χ^2/NDF:634710.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 4424828.5/23

All: 0.000+/-0.000 χ^2/NDF: 9772175.2/49

- sign 0.000+/-0.000 χ^2/NDF: 5265342.9/25

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: -12.659+/-785.646 χ^2/NDF:10.9/7

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

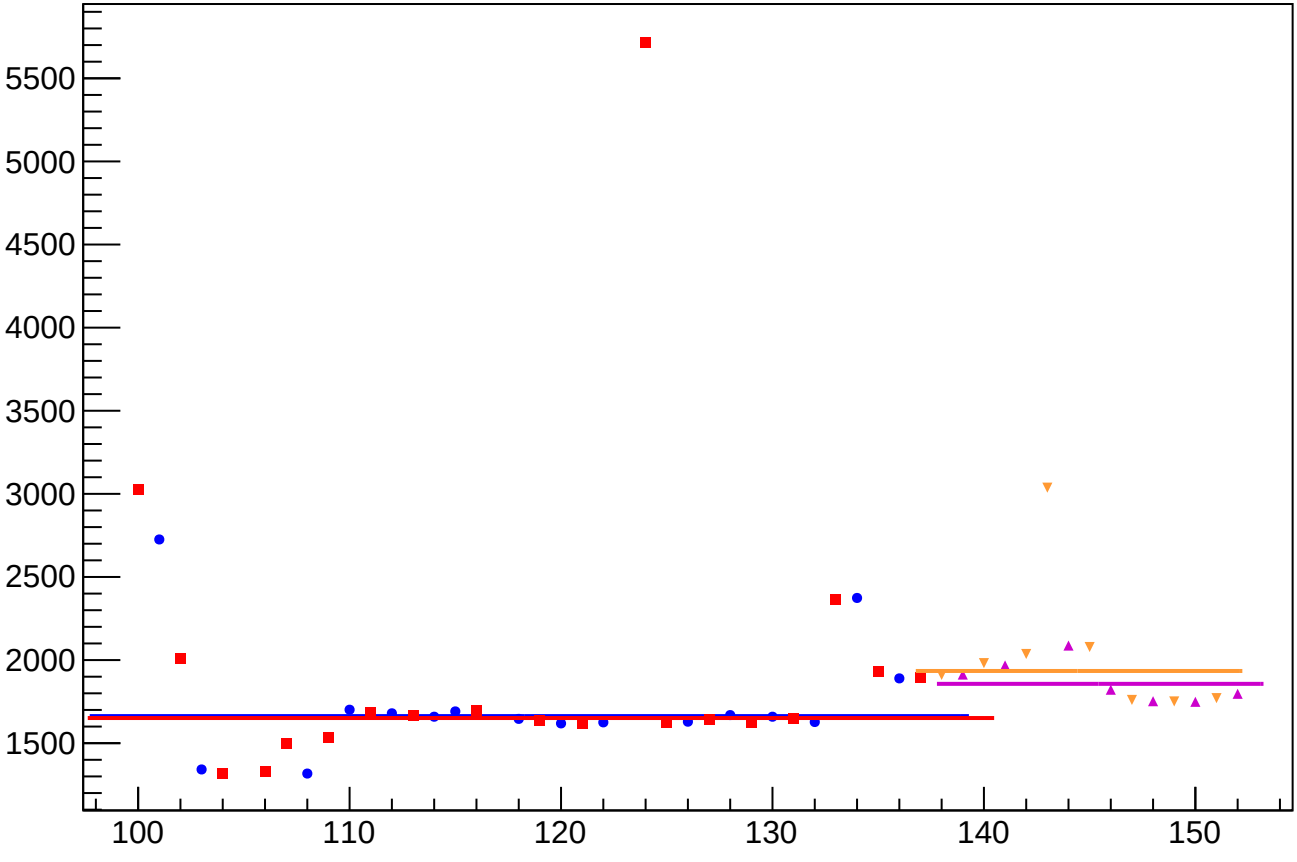
Left In: -3338.418+/-750.942 χ^2/NDF:3.1/6

+ sign 1932.668+/-490.539 χ^2/NDF: 25.2/23

All: -374.374+/-342.634 χ^2/NDF: 87.4/49

- sign -2572.220+/-478.789 χ^2/NDF: 18.9/25

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1934.433+/-0.556 χ^2/NDF:275361.4/7

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

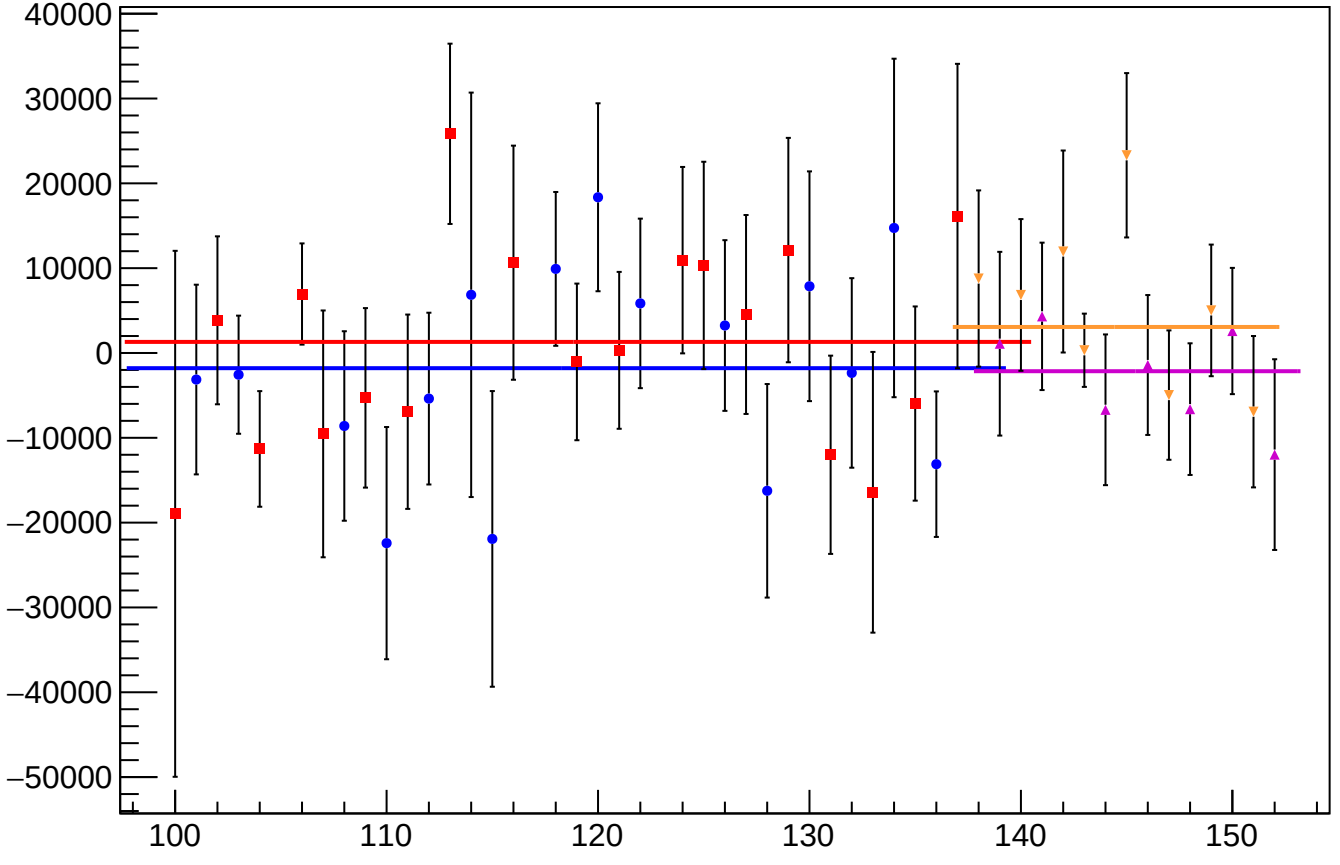
Left In: 1856.962+/-0.531 χ^2/NDF:44368.1/6

+ sign 1768.757+/-0.347 χ^2/NDF: 836758.6/23

All: 1751.427+/-0.242 χ^2/NDF: 1406977.0/49

- sign 1734.918+/-0.339 χ^2/NDF: 565344.3/25

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 3067.801+/-2677.813 χ^2/NDF:8.2/7

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

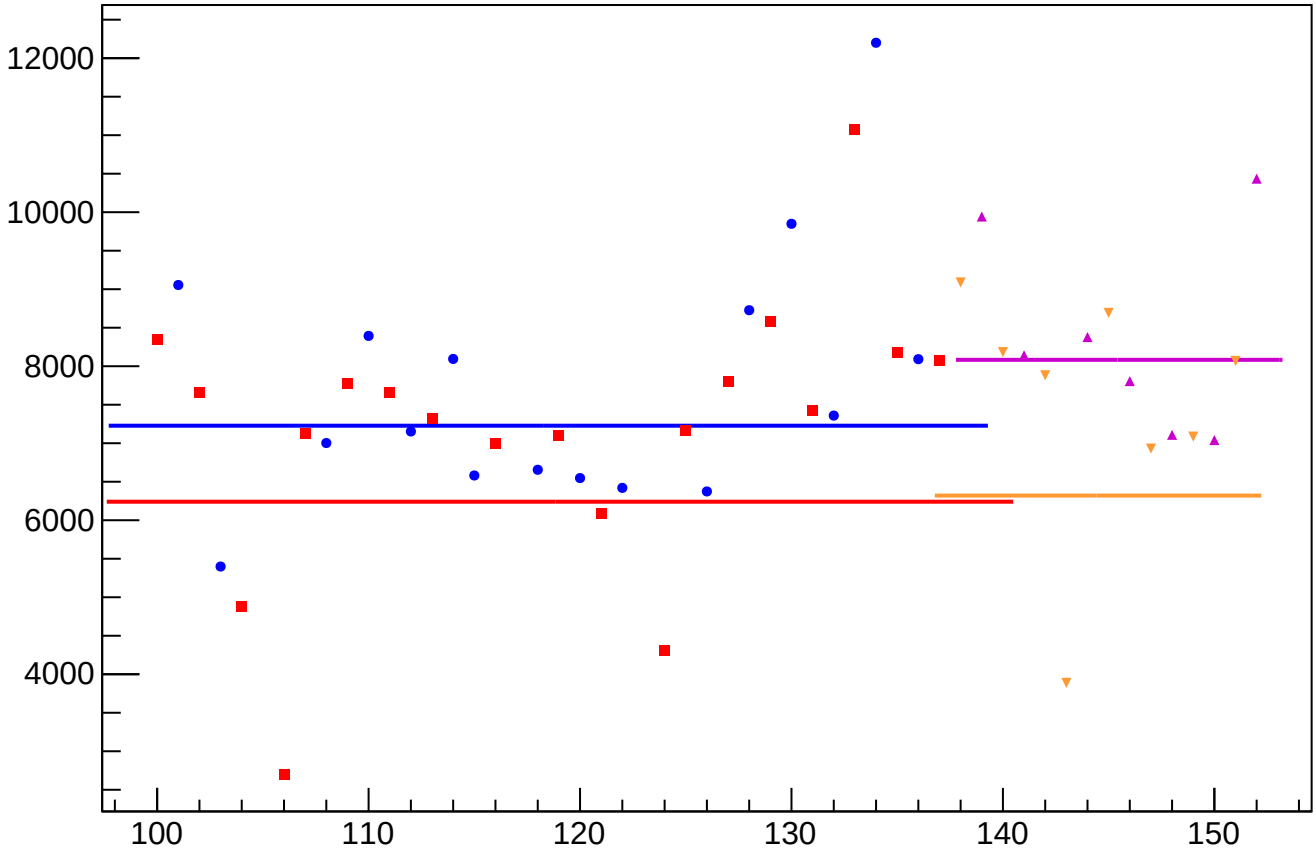
Left In: -2149.099+/-3302.206 χ^2/NDF:2.4/6

+ sign 697.352+/-1916.342 χ^2/NDF: 24.2/23

All: 401.279+/-1369.284 χ^2/NDF: 45.1/49

- sign 92.439+/-1957.225 χ^2/NDF: 20.9/25

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 6320.232+/-1.894 χ^2/NDF:1126366.2/7

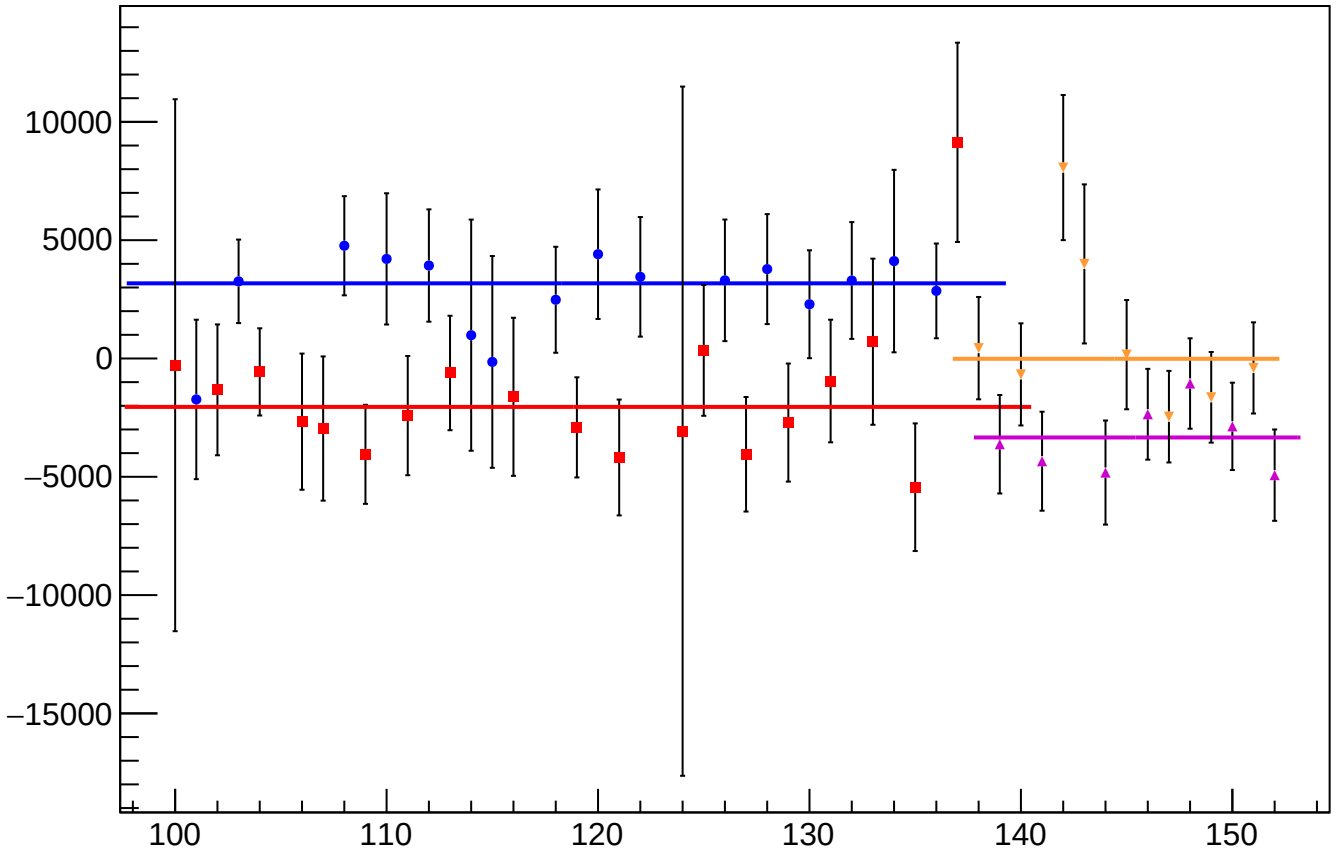
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8082.957+/-2.335 χ^2/NDF:221828.1/6

+ sign 6762.900+/-1.355 χ^2/NDF: 1741654.7/23

All: 6824.024+/-0.968 χ^2/NDF: 3770582.6/49

- sign 6887.785+/-1.384 χ^2/NDF: 2024770.5/25



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -12.724+/-785.646 χ^2/NDF:10.9/7

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

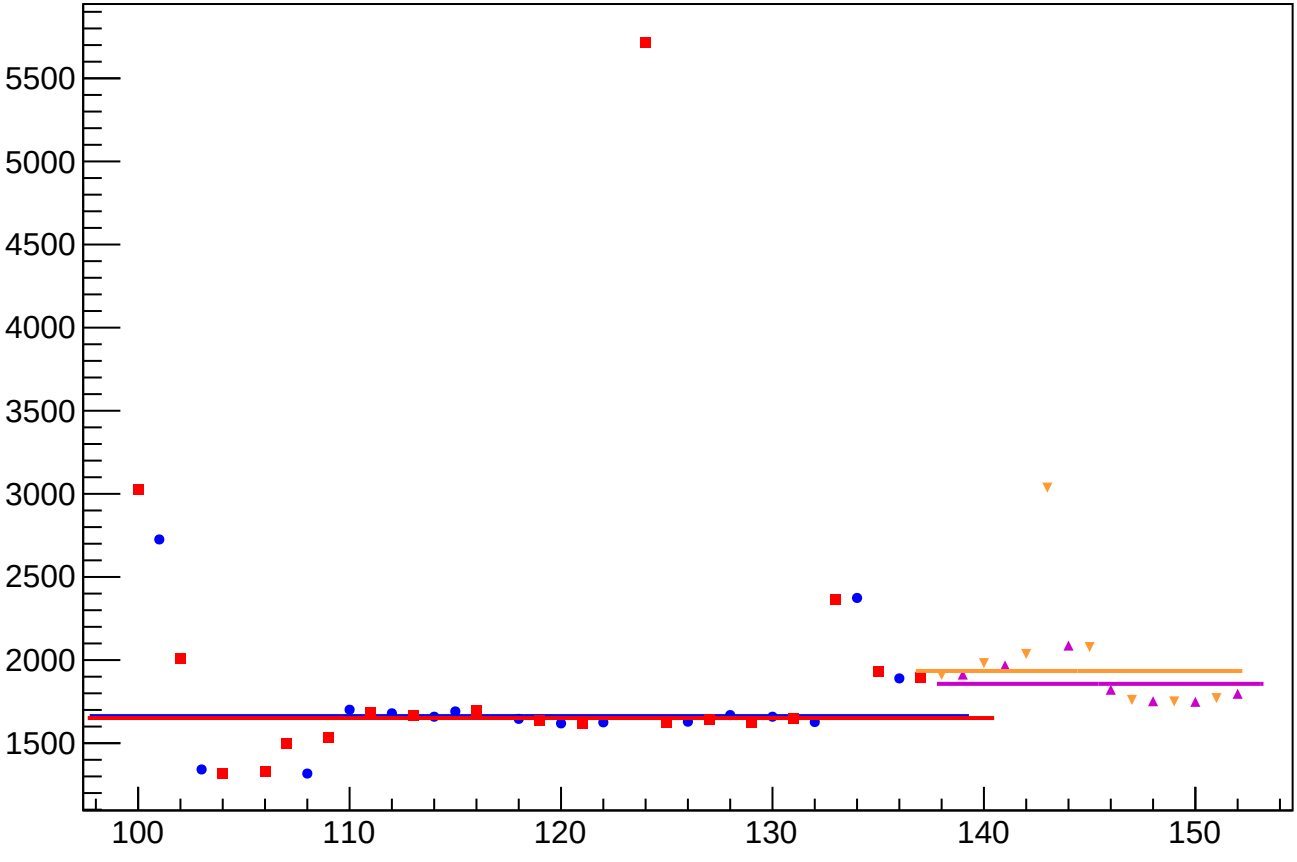
Left In: -3338.570+/-750.942 χ^2/NDF:3.1/6

+ sign 1932.698+/-490.539 χ^2/NDF: 25.2/23

All: -374.332+/-342.634 χ^2/NDF: 87.3/49

- sign -2572.167+/-478.790 χ^2/NDF: 18.9/25

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1934.433+/-0.556 χ^2/NDF:275361.4/7

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

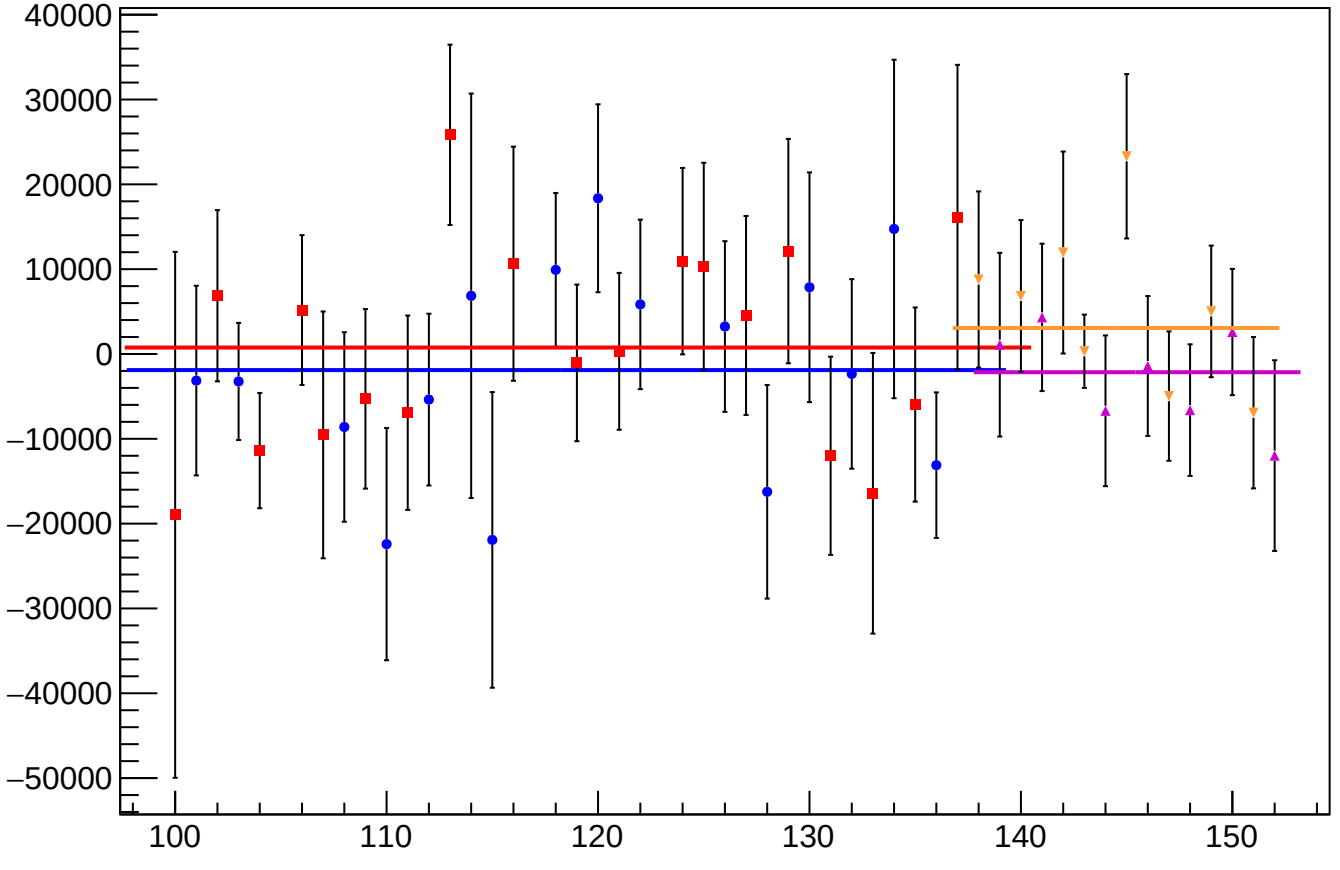
Left In: 1856.962+/-0.531 χ^2/NDF:44368.1/6

+ sign 1768.757+/-0.347 χ^2/NDF: 836759.0/23

All: 1751.427+/-0.242 χ^2/NDF: 1406977.8/49

- sign 1734.918+/-0.339 χ^2/NDF: 565344.5/25

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3067.698+/-2677.801 χ^2/NDF:8.2/7

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

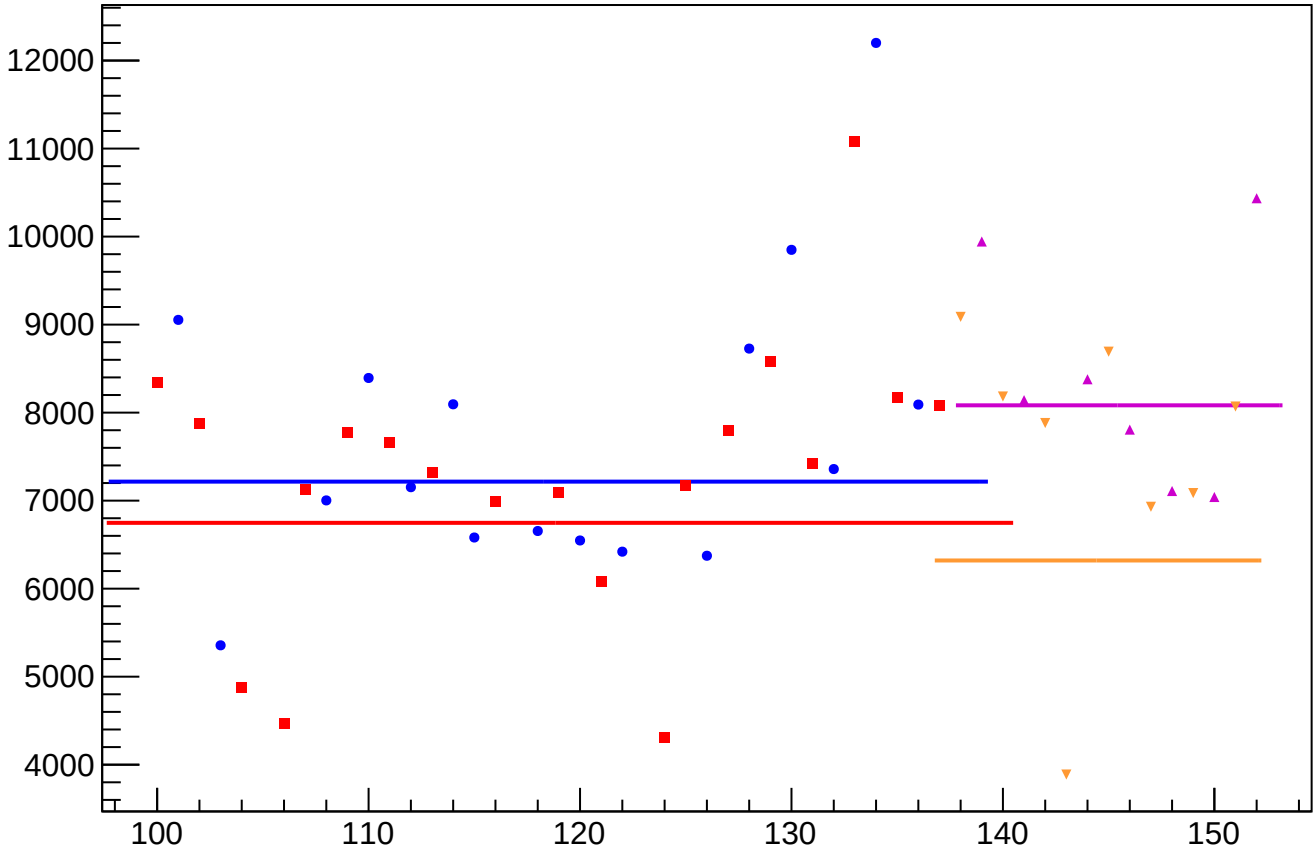
Left In: -2149.205+/-3302.204 χ^2/NDF:2.4/6

+ sign 640.770+/-1915.088 χ^2/NDF: 24.3/23

All: 183.129+/-1389.211 χ^2/NDF: 44.6/49

- sign -325.145+/-2018.252 χ^2/NDF: 20.2/25

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6320.194+/-1.893 χ^2/NDF:1126397.9/7

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

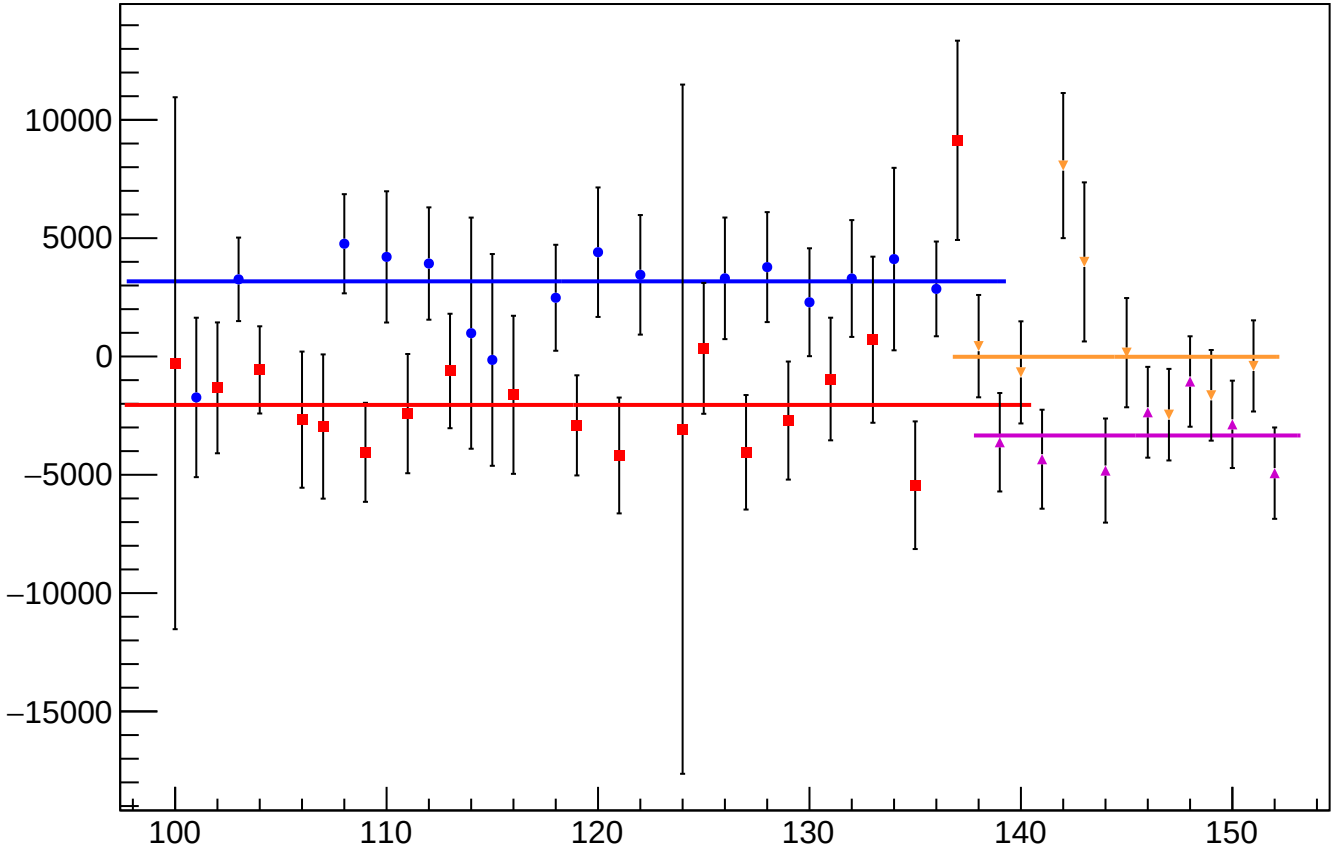
Left In: 8082.952+/-2.335 χ^2/NDF:221829.8/6

+ sign 6757.836+/-1.354 χ^2/NDF: 1747874.8/23

All: 6989.360+/-0.982 χ^2/NDF: 2945034.1/49

- sign 7246.499+/-1.427 χ^2/NDF: 1135463.0/25

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -12.724+/-785.646 χ^2/NDF:10.9/7

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

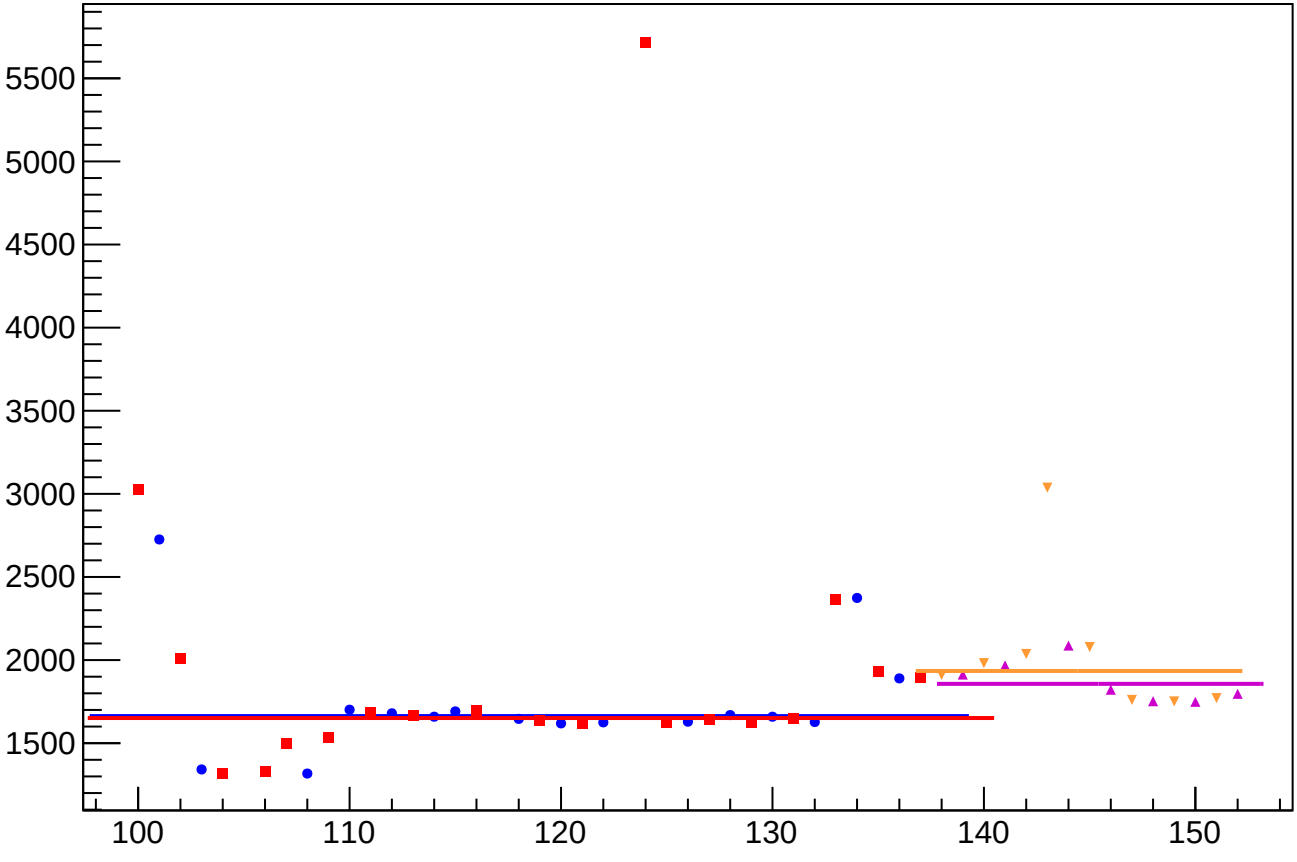
Left In: -3338.570+/-750.942 χ^2/NDF:3.1/6

+ sign 1932.698+/-490.539 χ^2/NDF: 25.2/23

All: -374.332+/-342.634 χ^2/NDF: 87.3/49

- sign -2572.167+/-478.790 χ^2/NDF: 18.9/25

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1934.433+/-0.556 χ^2/NDF:275361.4/7

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

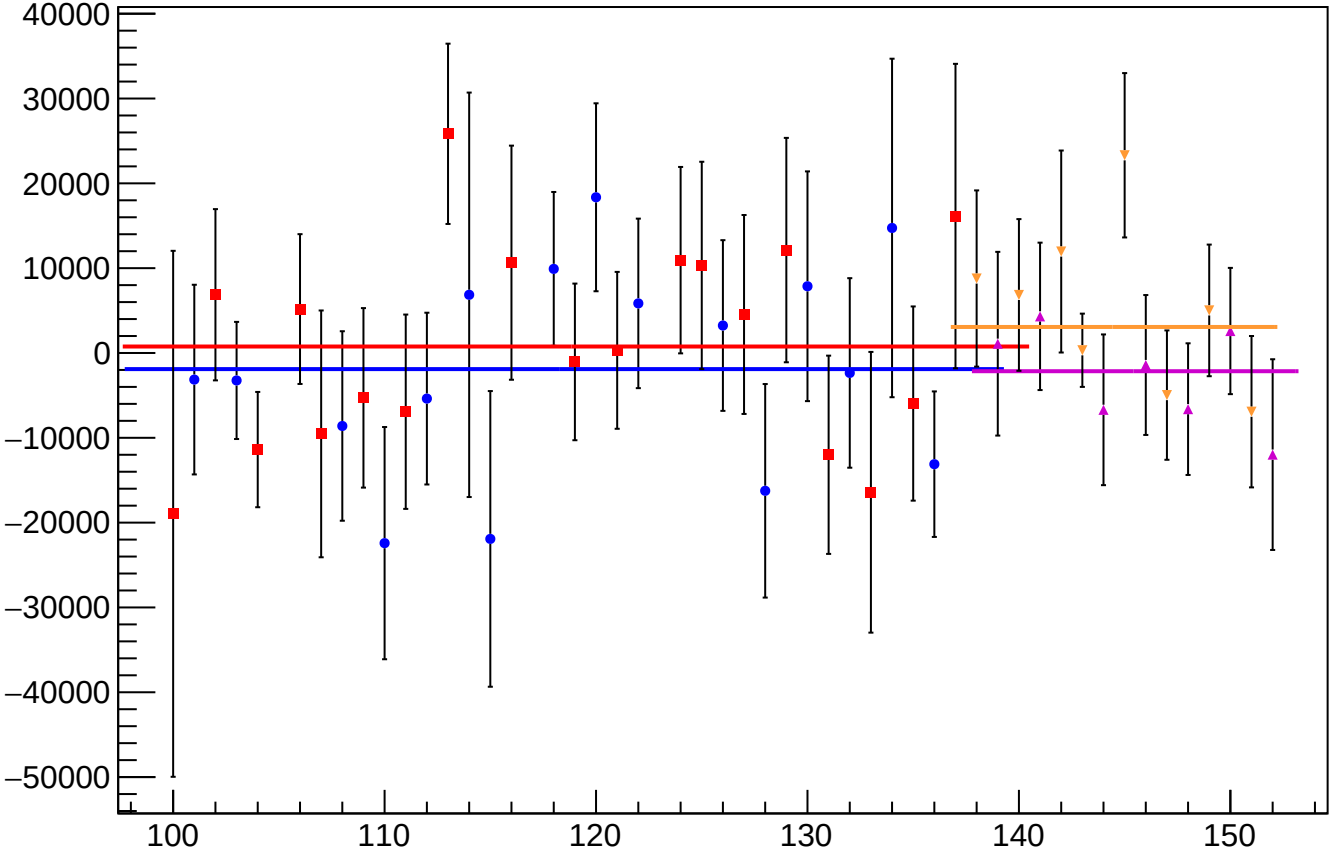
Left In: 1856.962+/-0.531 χ^2/NDF:44368.1/6

+ sign 1768.757+/-0.347 χ^2/NDF: 836759.0/23

All: 1751.427+/-0.242 χ^2/NDF: 1406977.8/49

- sign 1734.918+/-0.339 χ^2/NDF: 565344.5/25

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3067.698+/-2677.801 χ^2/NDF:8.2/7

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

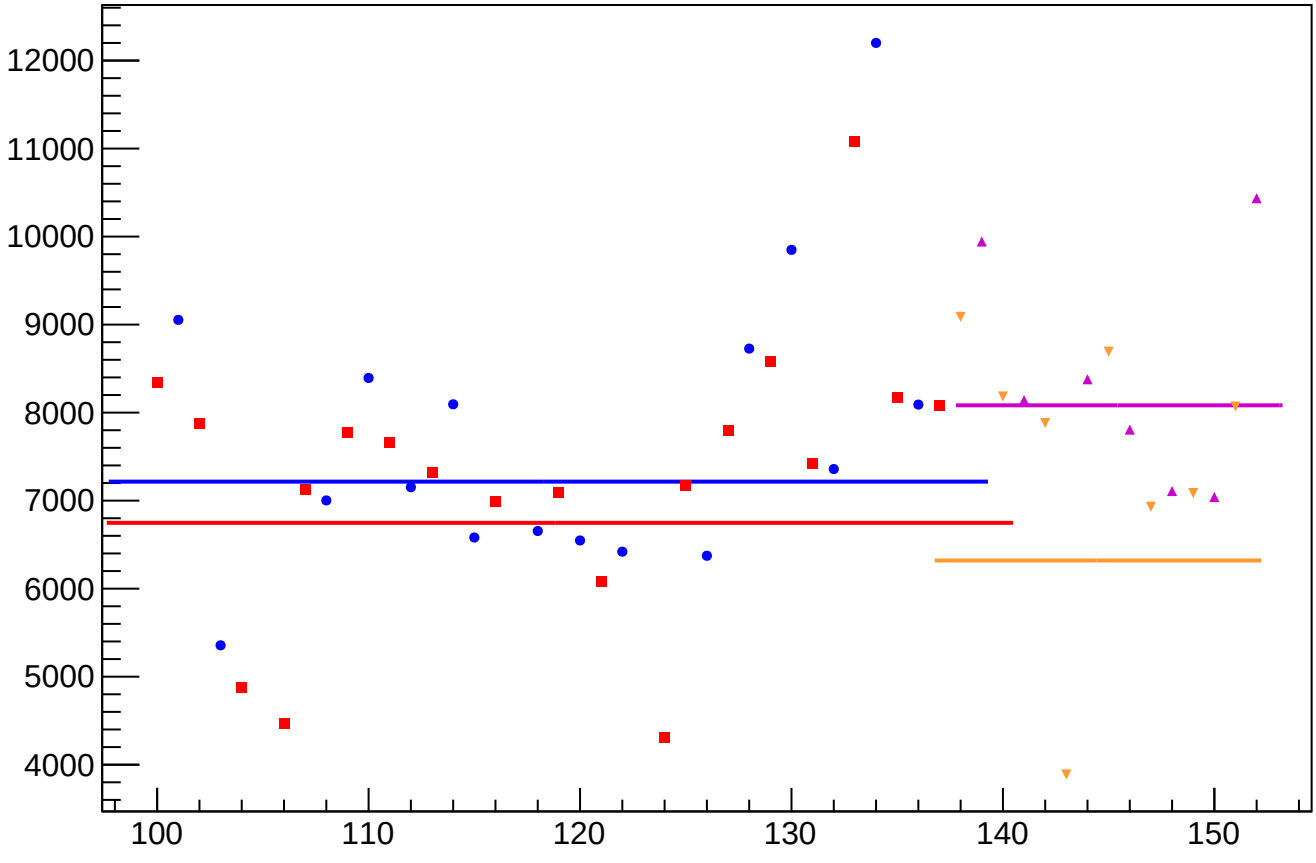
Left In: -2149.205+/-3302.204 χ^2/NDF:2.4/6

+ sign 640.770+/-1915.088 χ^2/NDF: 24.3/23

All: 183.129+/-1389.211 χ^2/NDF: 44.6/49

- sign -325.145+/-2018.252 χ^2/NDF: 20.2/25

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6320.194+/-1.893 χ^2/NDF:1126397.9/7

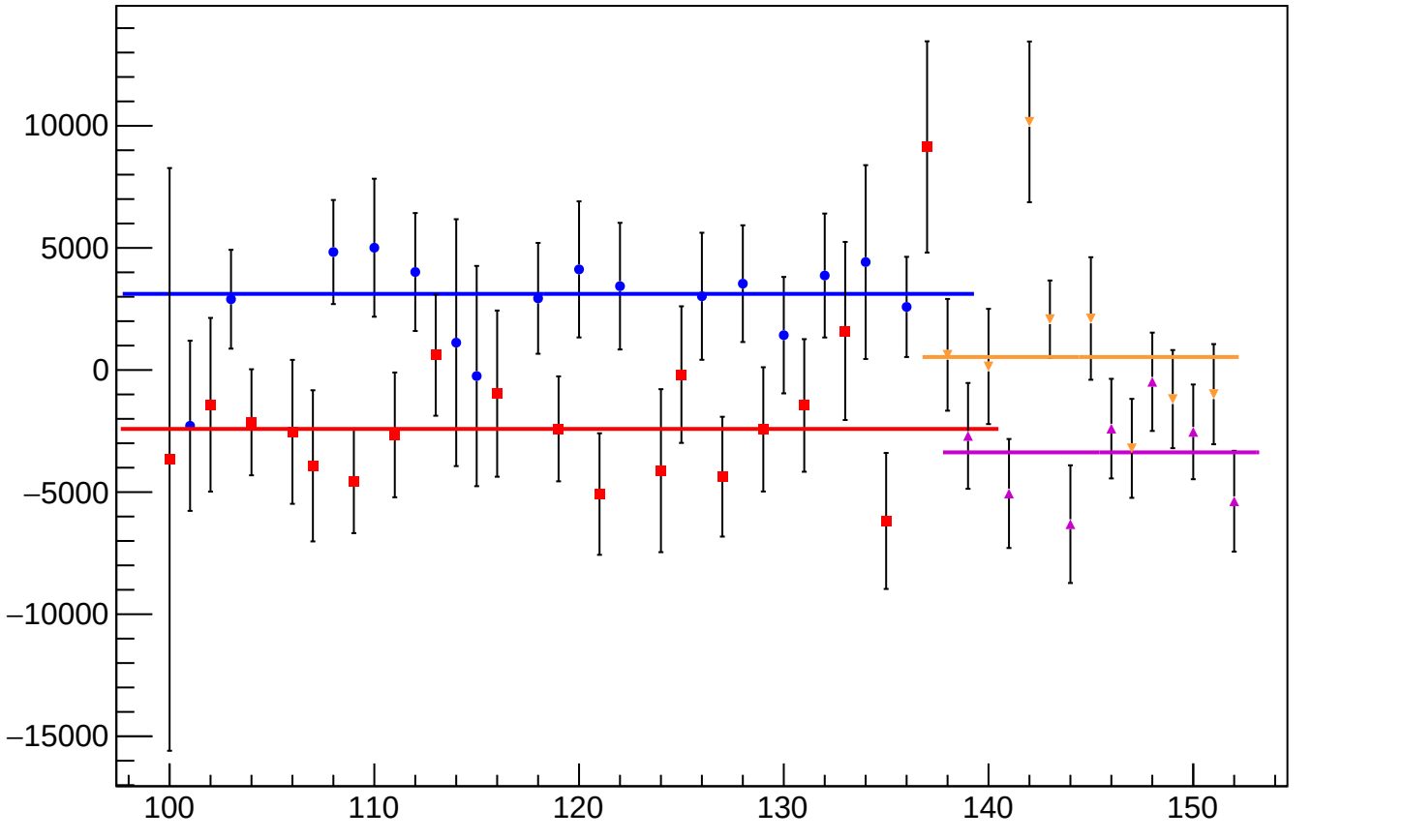
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8082.952+/-2.335 χ^2/NDF:221829.8/6

+ sign 6757.836+/-1.354 χ^2/NDF: 1747874.8/23

All: 6989.360+/-0.982 χ^2/NDF: 2945034.1/49

- sign 7246.499+/-1.427 χ^2/NDF: 1135463.0/25



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 532.756+/-756.488 χ^2/NDF:14.6/7

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

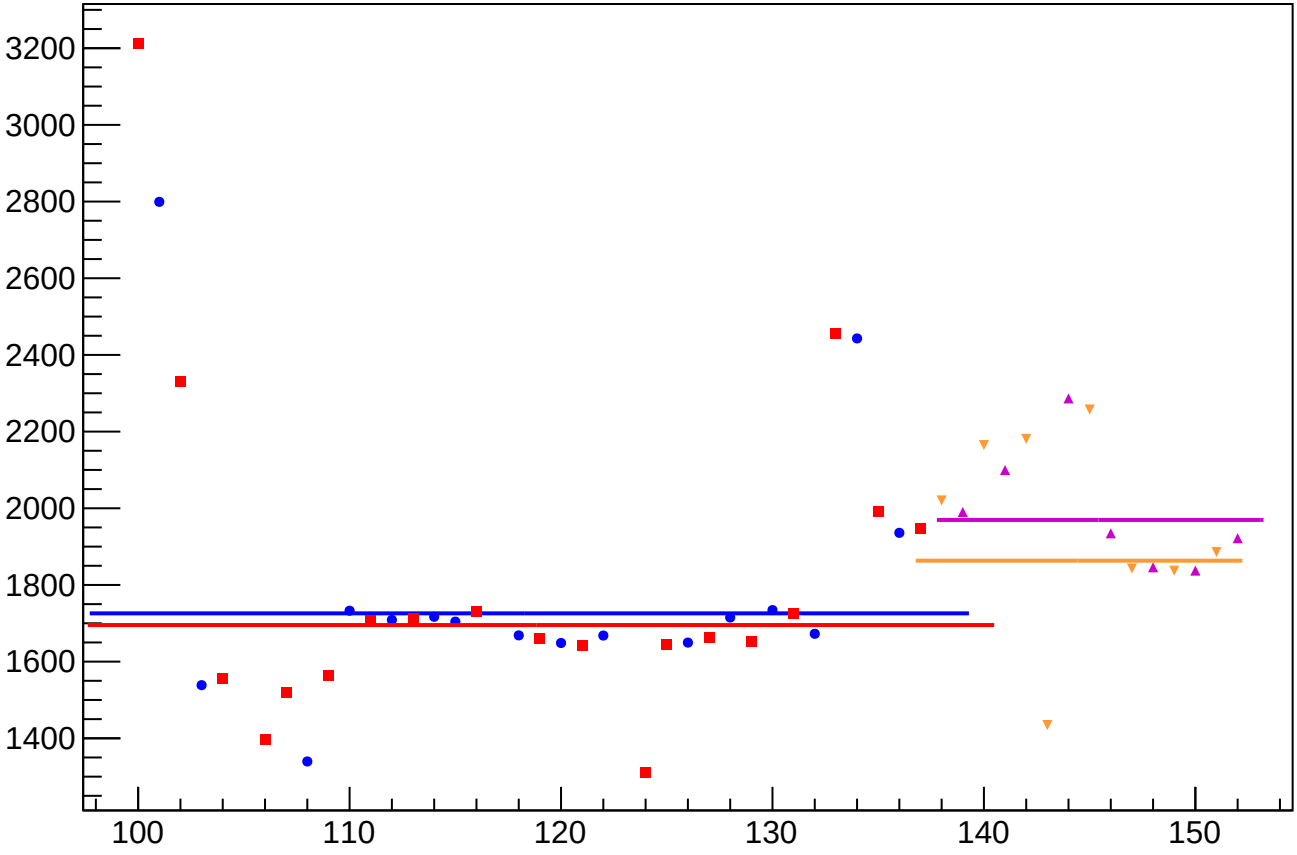
Left In: -3372.301+/-797.198 χ^2/NDF:5.6/6

+ sign 2017.754+/-493.495 χ^2/NDF: 26.7/23

All: -360.342+/-350.746 χ^2/NDF: 96.0/49

- sign -2787.942+/-498.605 χ^2/NDF: 22.4/25

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1863.309+/-0.535 χ^2/NDF:256652.9/7

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

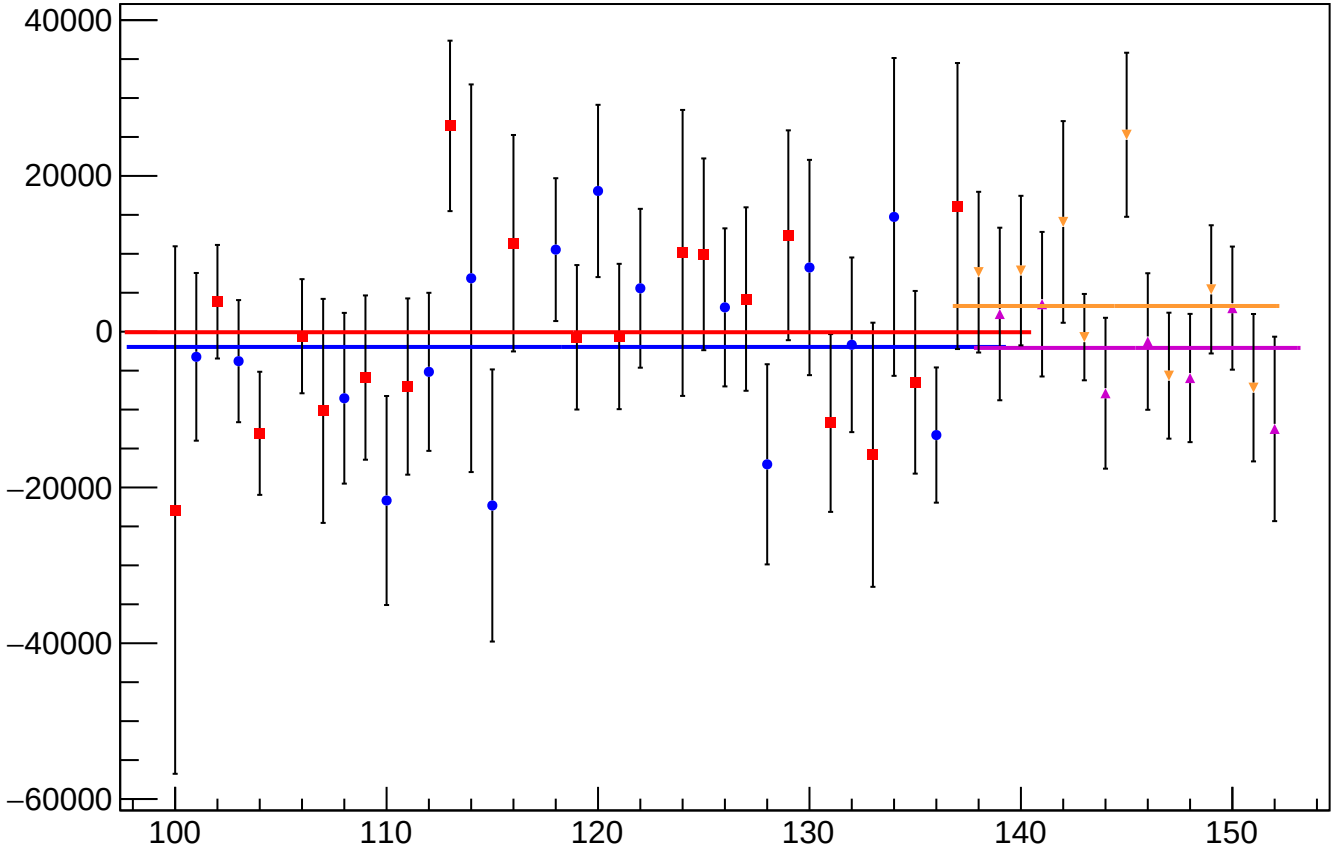
Left In: 1969.581+/-0.564 χ^2/NDF:60032.9/6

+ sign 1784.382+/-0.349 χ^2/NDF: 660191.2/23

All: 1793.399+/-0.248 χ^2/NDF: 1151282.4/49

- sign 1802.599+/-0.352 χ^2/NDF: 489742.2/25

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 3300.344+/-3029.086 χ^2/NDF:8.5/7

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

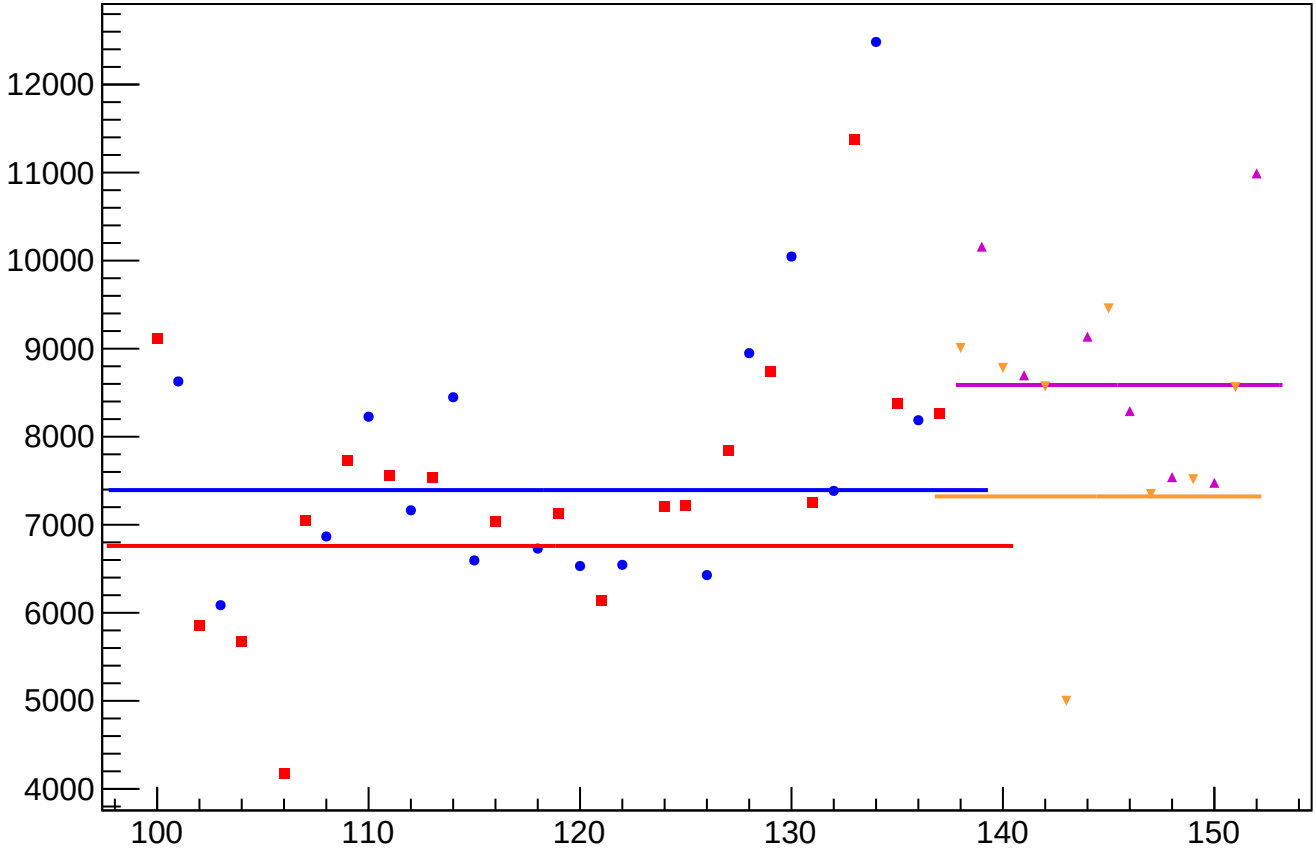
Left In: -2083.645+/-3506.449 χ^2/NDF:2.3/6

+ sign 462.955+/-2055.453 χ^2/NDF: 24.5/23

All: -148.725+/-1452.005 χ^2/NDF: 43.3/49

- sign -758.021+/-2051.442 χ^2/NDF: 18.6/25

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7321.772+/-2.142 χ^2/NDF:586734.3/7

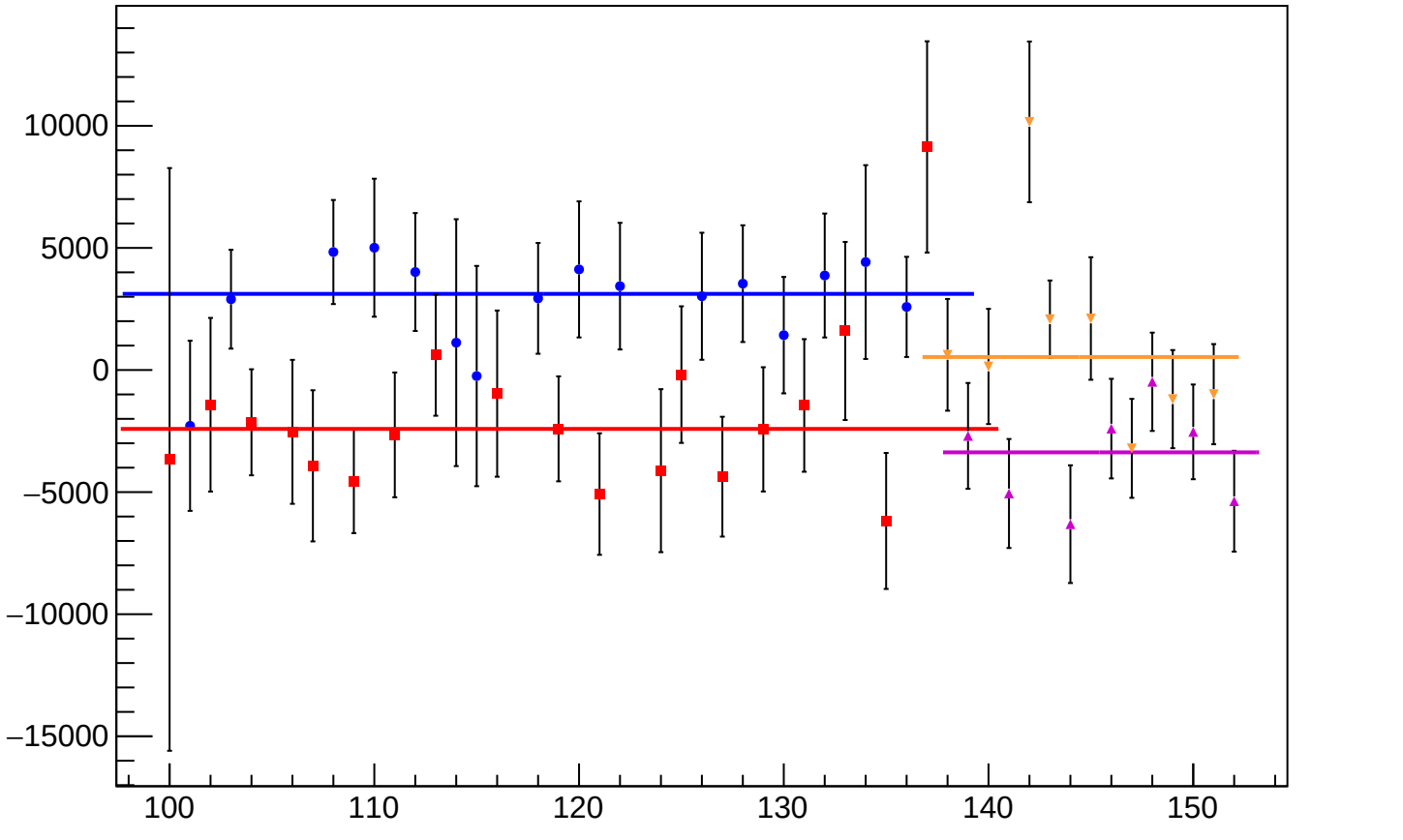
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 8587.755+/-2.479 χ^2/NDF:203413.2/6

+ sign 7360.538+/-1.453 χ^2/NDF: 989168.2/23

All: 7372.908+/-1.027 χ^2/NDF: 2194654.2/49

- sign 7385.230+/-1.451 χ^2/NDF: 1205341.4/25



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 532.755+/-756.489 χ^2/NDF:14.6/7

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

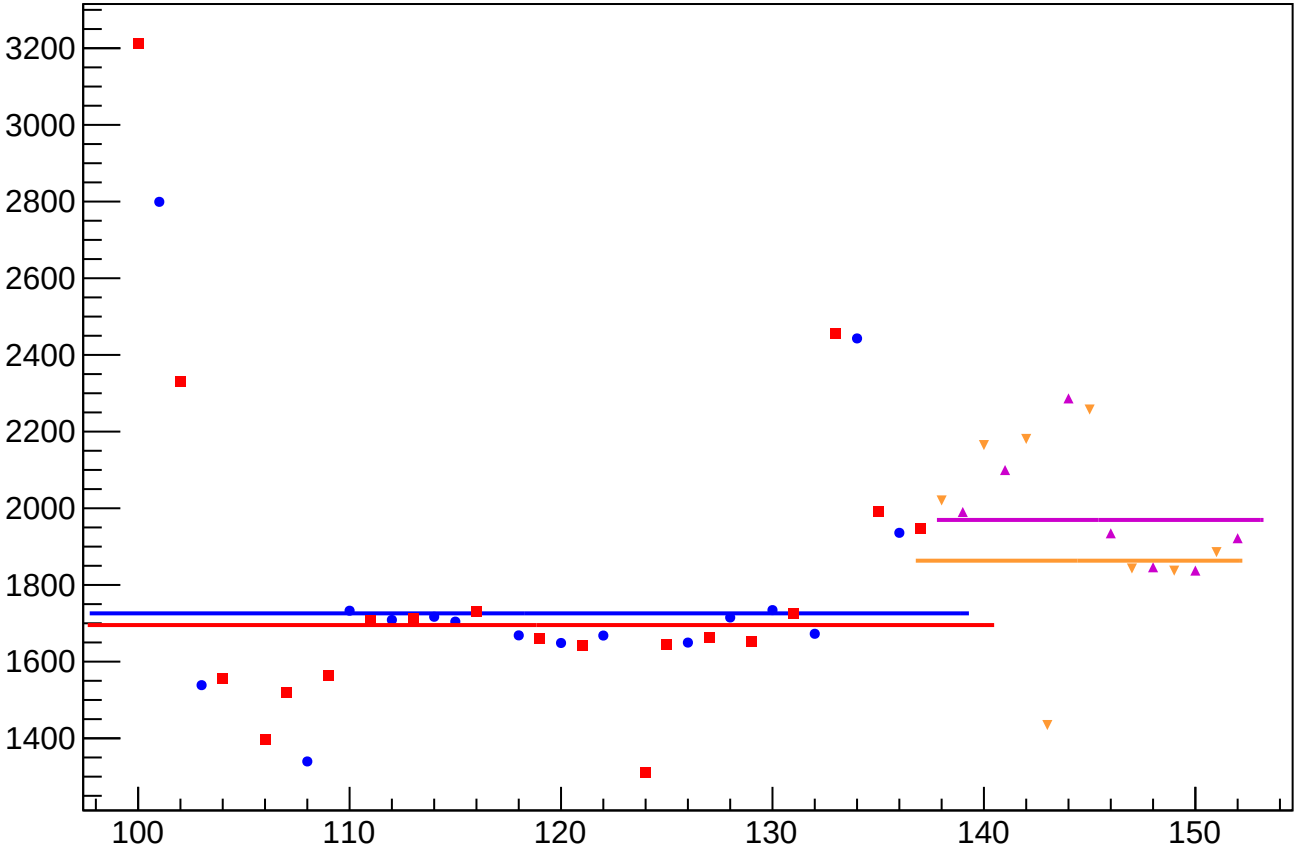
Left In: -3372.297+/-797.199 χ^2/NDF:5.6/6

+ sign 2017.758+/-493.495 χ^2/NDF: 26.7/23

All: -360.342+/-350.746 χ^2/NDF: 96.0/49

- sign -2787.944+/-498.605 χ^2/NDF: 22.4/25

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1863.311+/-0.535 χ^2/NDF:256653.3/7

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

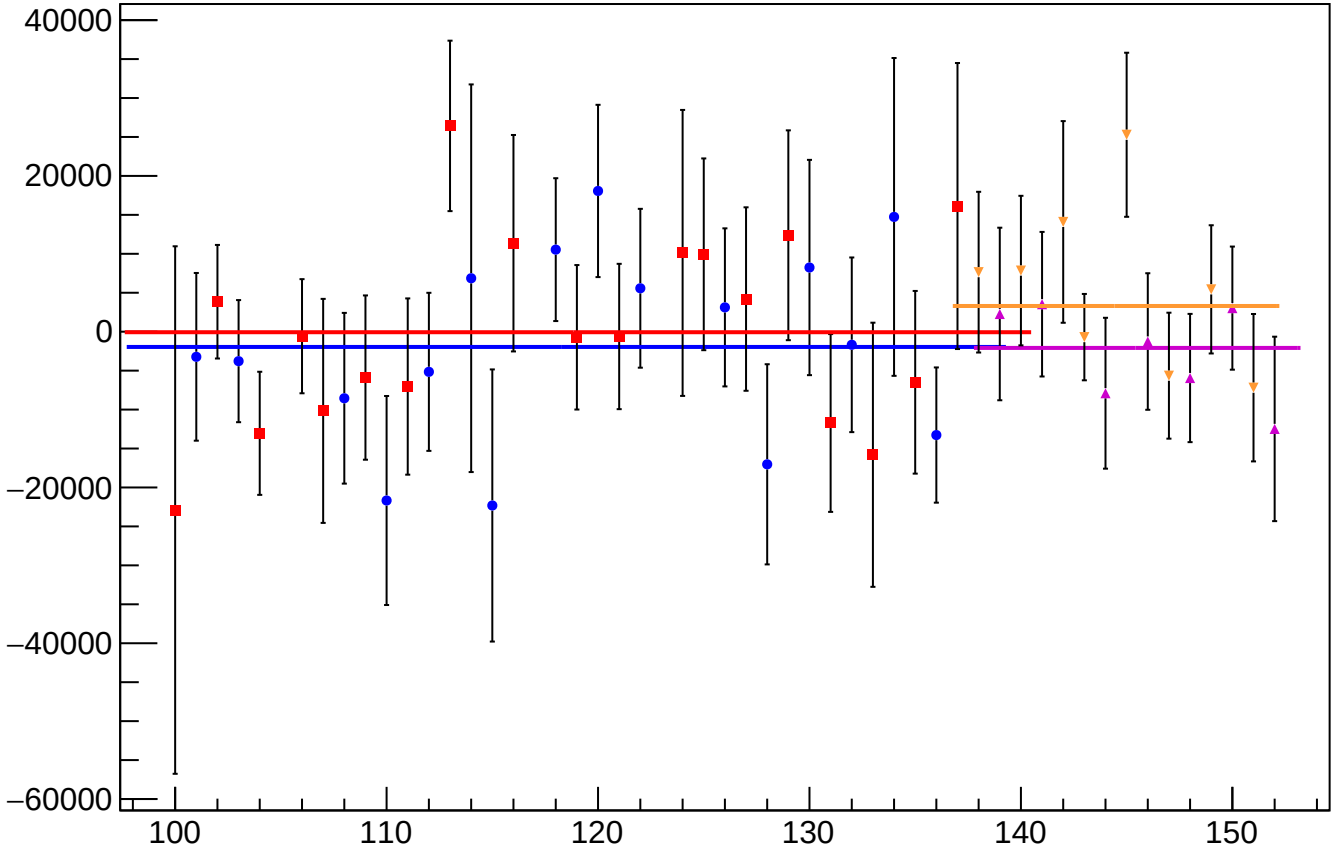
Left In: 1969.584+/-0.564 χ^2/NDF:60033.3/6

+ sign 1784.382+/-0.349 χ^2/NDF: 660193.1/23

All: 1793.399+/-0.248 χ^2/NDF: 1151287.8/49

- sign 1802.599+/-0.352 χ^2/NDF: 489745.7/25

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 3300.340+/-3029.090 χ^2/NDF:8.5/7

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

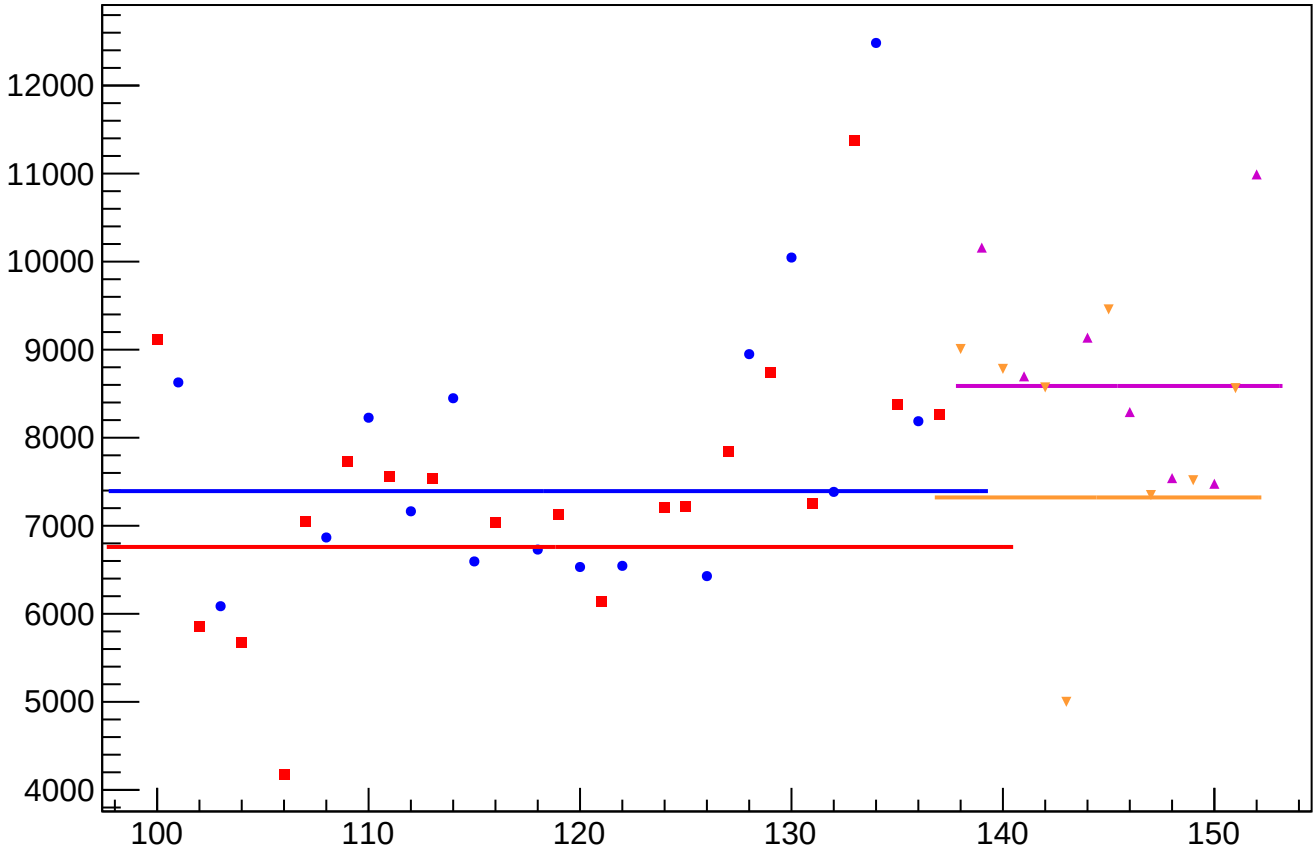
Left In: -2083.642+/-3506.454 χ^2/NDF:2.3/6

+ sign 462.955+/-2055.452 χ^2/NDF: 24.5/23

All: -148.726+/-1452.003 χ^2/NDF: 43.3/49

- sign -758.021+/-2051.440 χ^2/NDF: 18.6/25

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7321.783+/-2.142 χ^2/NDF:586734.1/7

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

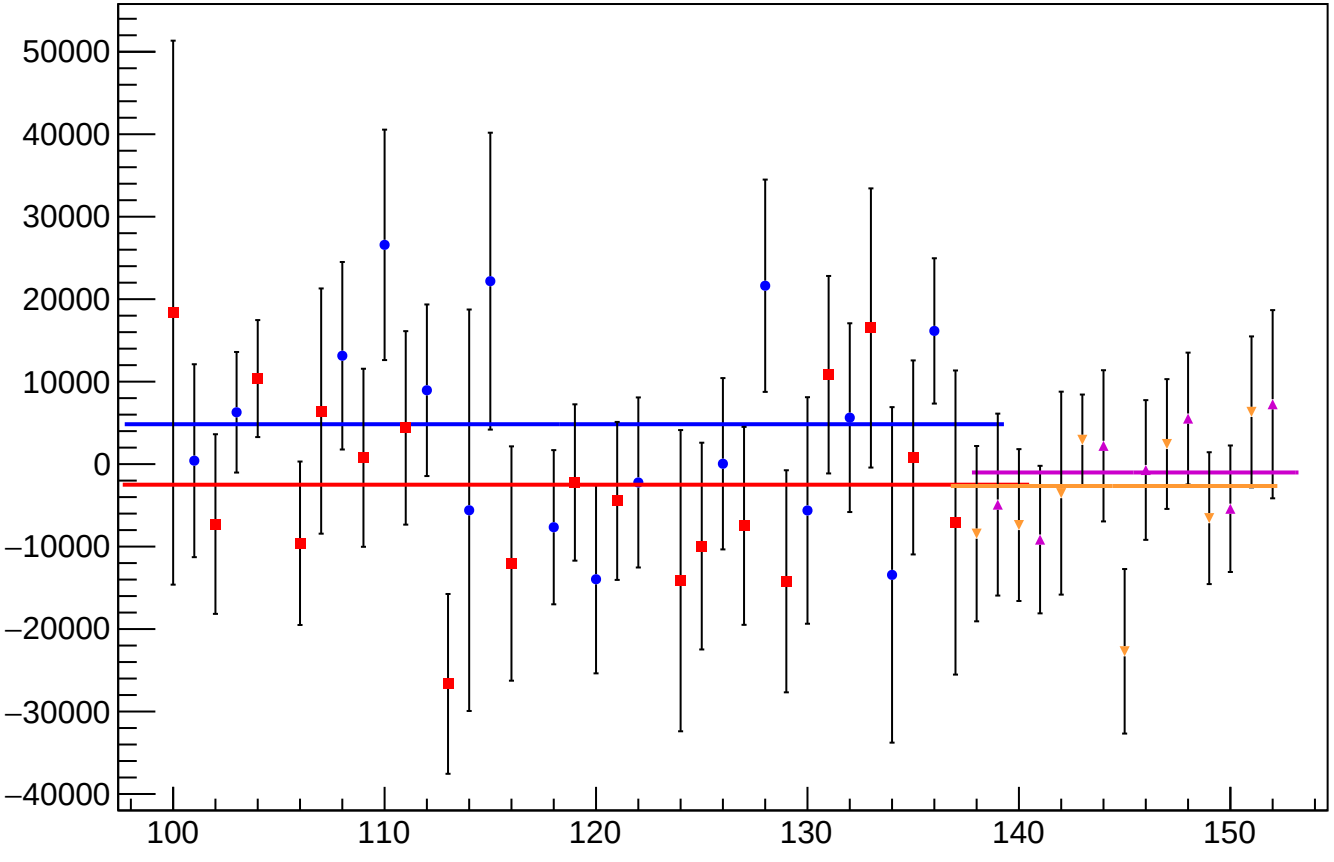
Left In: 8587.766+/-2.479 χ^2/NDF:203413.9/6

+ sign 7360.534+/-1.453 χ^2/NDF: 989169.8/23

All: 7372.902+/-1.027 χ^2/NDF: 2194665.0/49

- sign 7385.222+/-1.451 χ^2/NDF: 1205350.7/25

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -2653.682+/-2959.079 χ^2/NDF:7.3/7

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

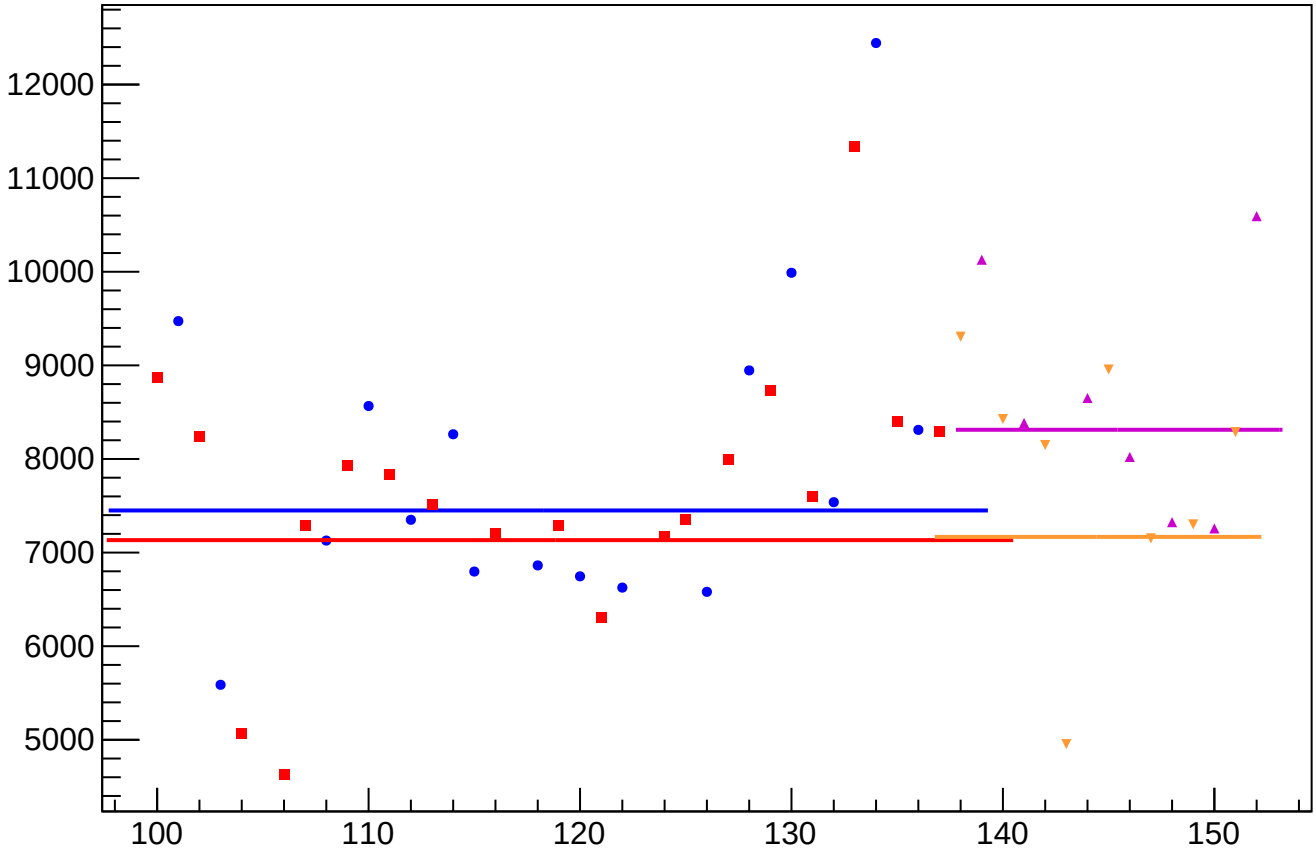
Left In: -1013.595+/-3392.807 χ^2/NDF:2.6/6

+ sign 1260.454+/-2044.814 χ^2/NDF: 24.9/23

All: -280.596+/-1468.582 χ^2/NDF: 43.8/49

- sign -1922.279+/-2110.523 χ^2/NDF: 17.6/25

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7167.746+/-2.092 χ^2/NDF:550926.2/7

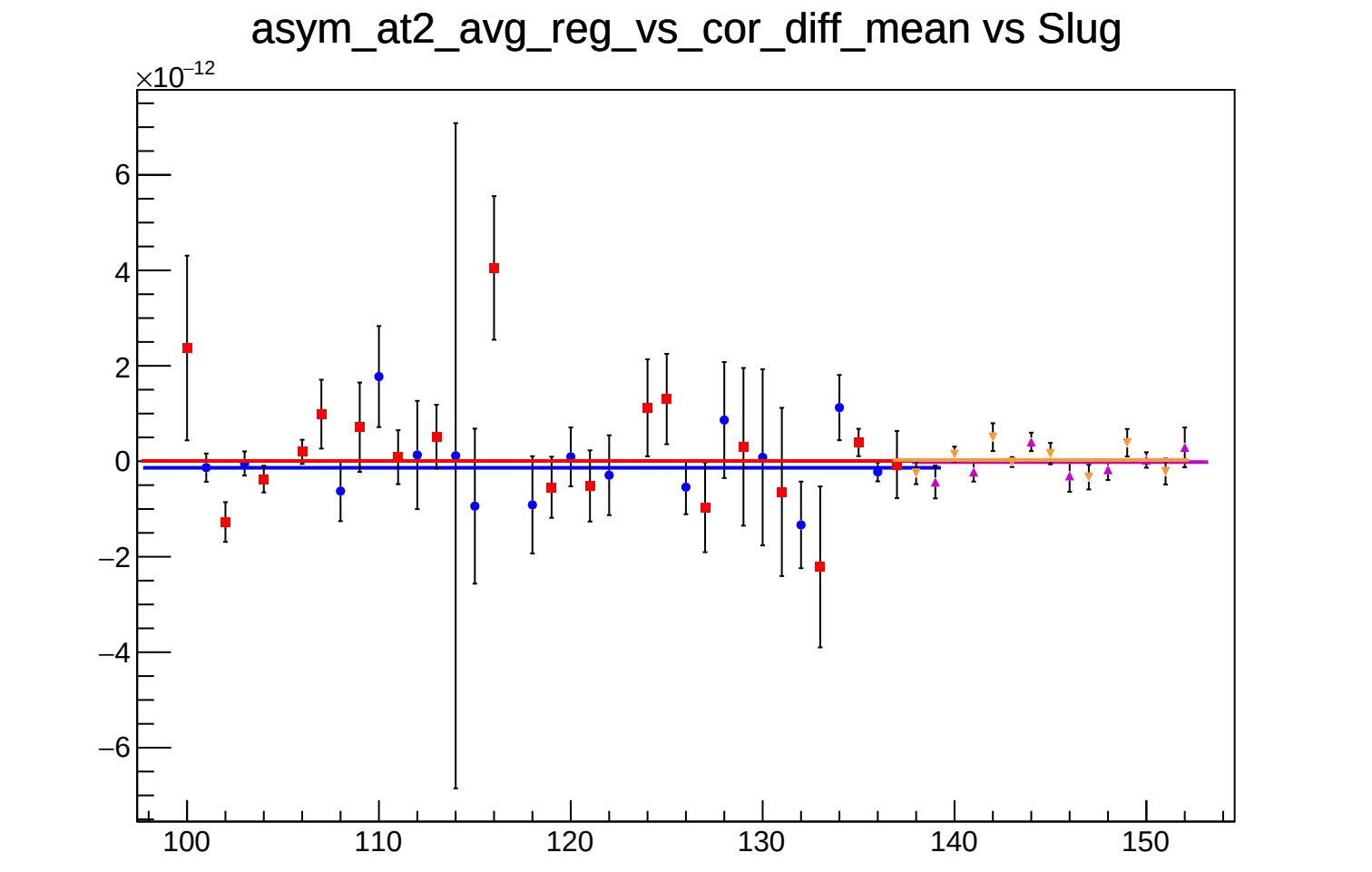
Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8312.017+/-2.399 χ^2/NDF:207710.0/6

+ sign 7315.211+/-1.446 χ^2/NDF: 1046860.5/23

All: 7447.908+/-1.038 χ^2/NDF: 1976999.1/49

- sign 7589.259+/-1.492 χ^2/NDF: 912744.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/7

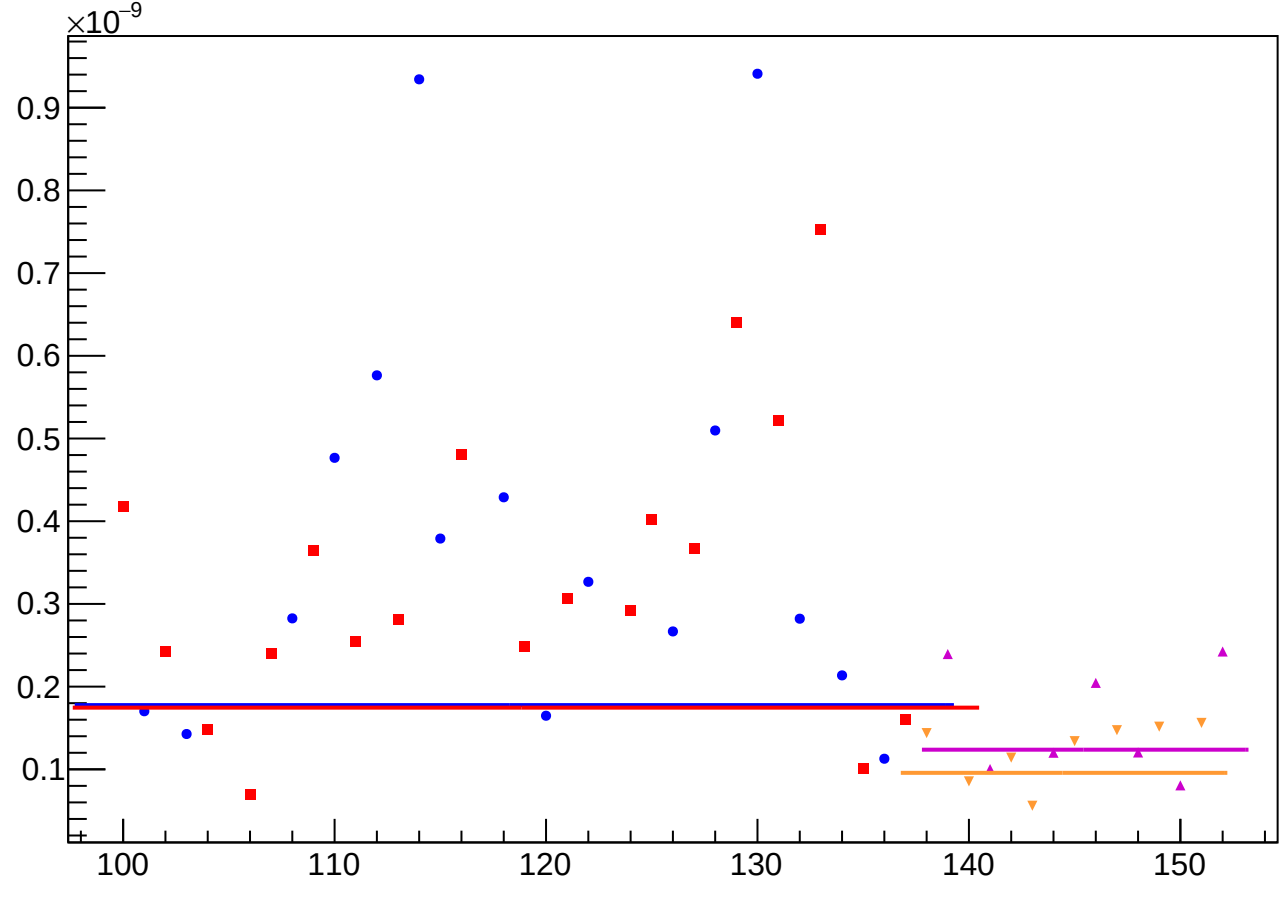
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/23

All: -0.000+/-0.000 χ^2/NDF: 64.5/49

- sign -0.000+/-0.000 χ^2/NDF: 42.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:710143.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

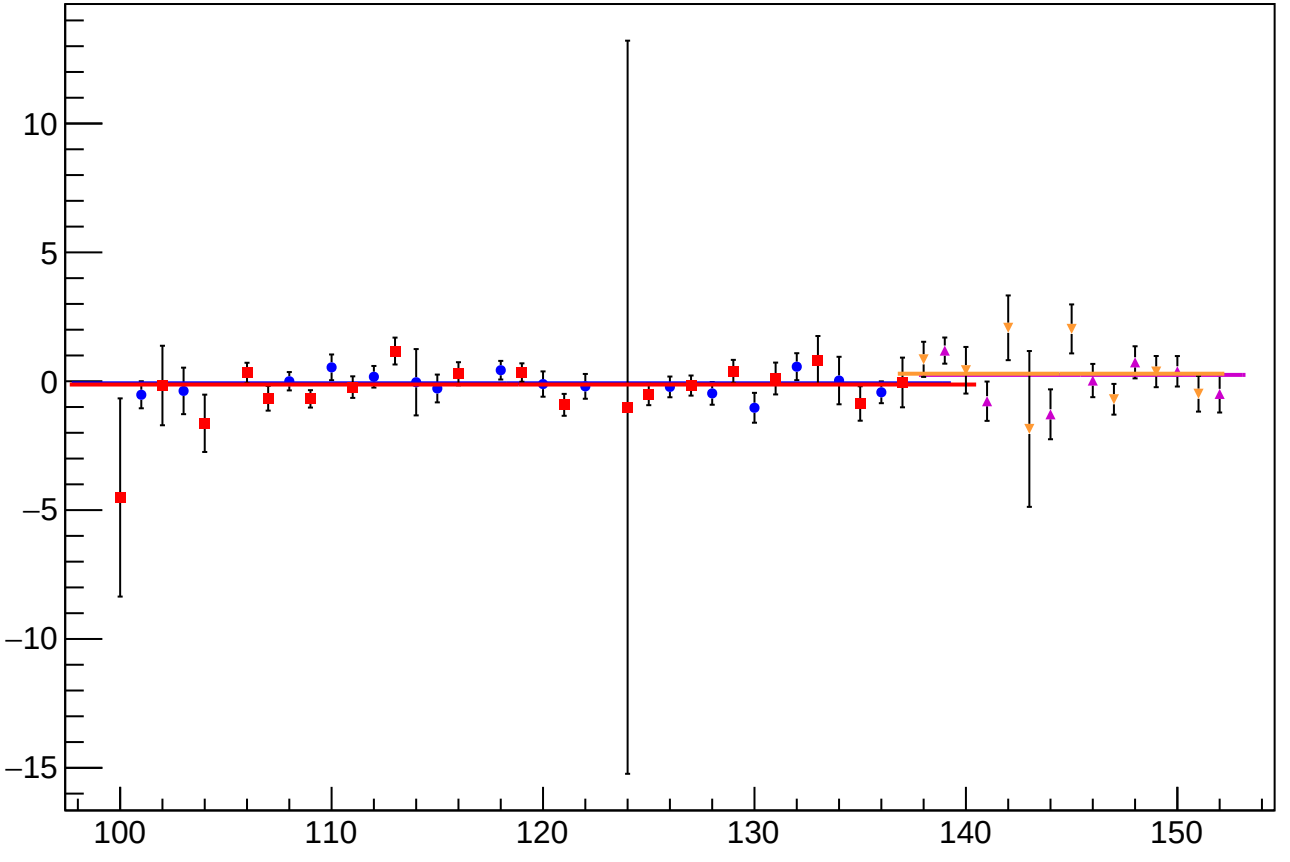
Left In: 0.000+/-0.000 χ^2/NDF:677738.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 2952651.1/23

All: 0.000+/-0.000 χ^2/NDF: 5653462.8/49

- sign 0.000+/-0.000 χ^2/NDF: 2548164.8/25

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.292+/-0.279 χ^2/NDF:10.6/7

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

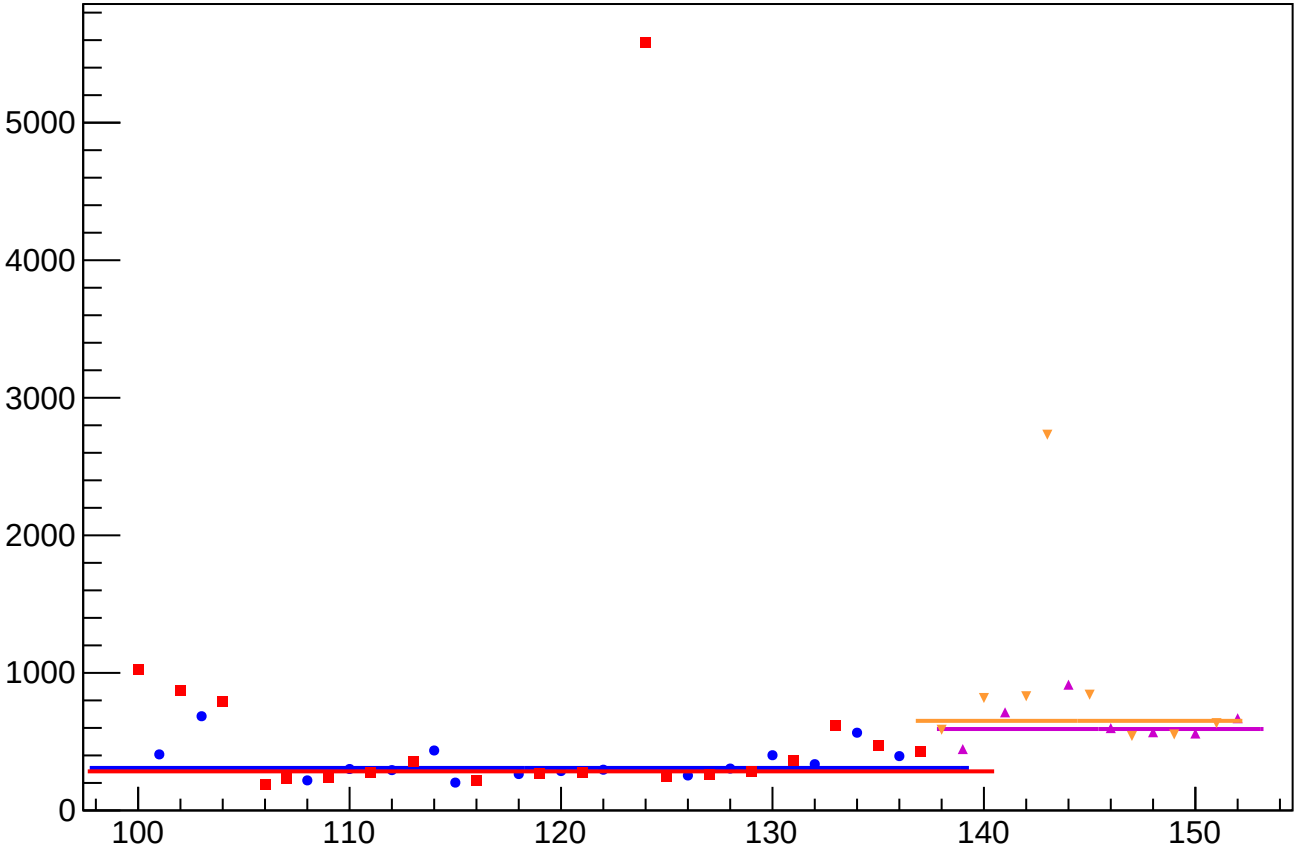
Left In: 0.246+/-0.247 χ^2/NDF:9.6/6

+ sign -0.020+/-0.112 χ^2/NDF: 22.8/23

All: -0.041+/-0.077 χ^2/NDF: 59.6/49

- sign -0.059+/-0.106 χ^2/NDF: 36.7/25

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 651.381+/-0.197 χ^2/NDF:1275544.6/7

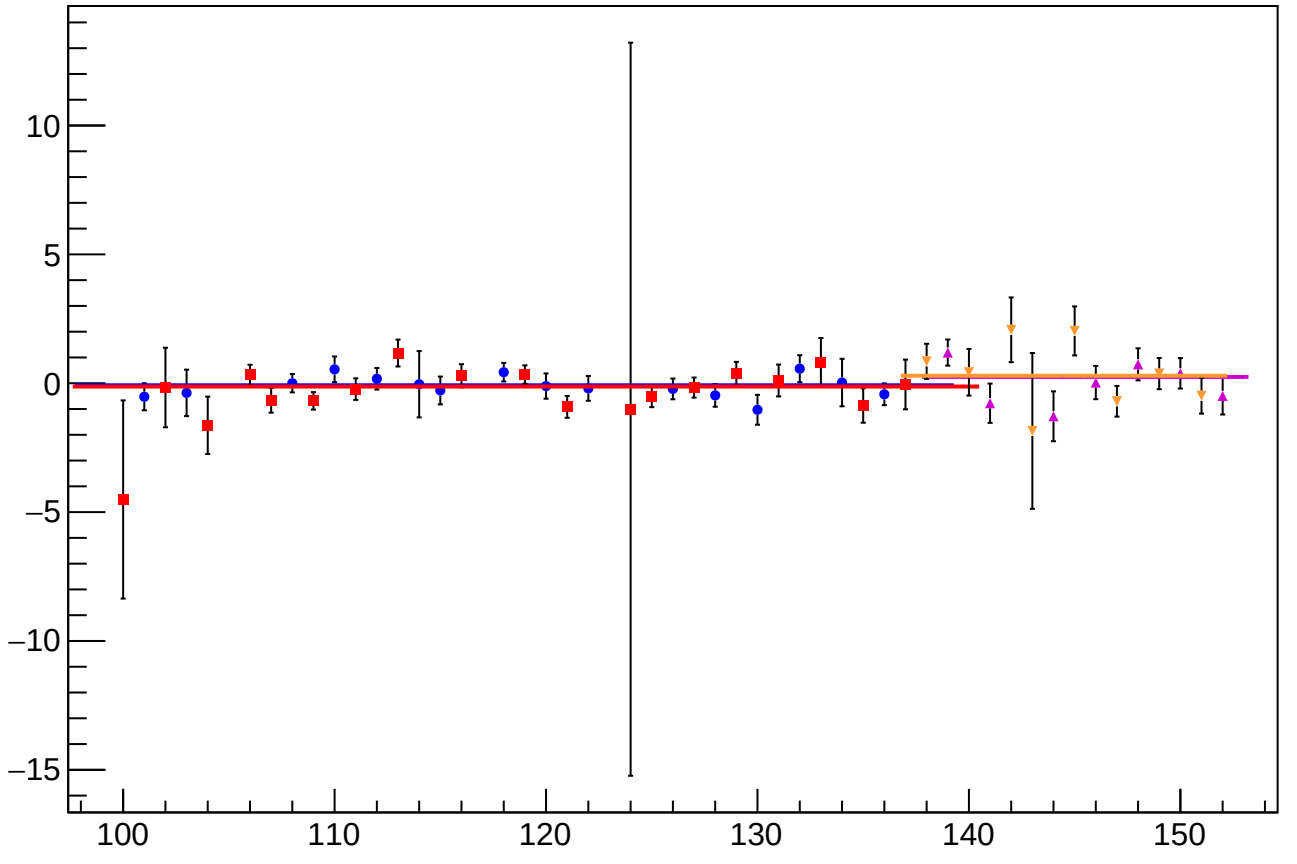
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 592.036+/-0.174 χ^2/NDF:469968.1/6

+ sign 363.955+/-0.079 χ^2/NDF: 4819027.7/23

All: 351.657+/-0.054 χ^2/NDF: 9734769.3/49

- sign 340.650+/-0.075 χ^2/NDF: 4869775.4/25



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.292+/-0.279 χ^2/NDF:10.6/7

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

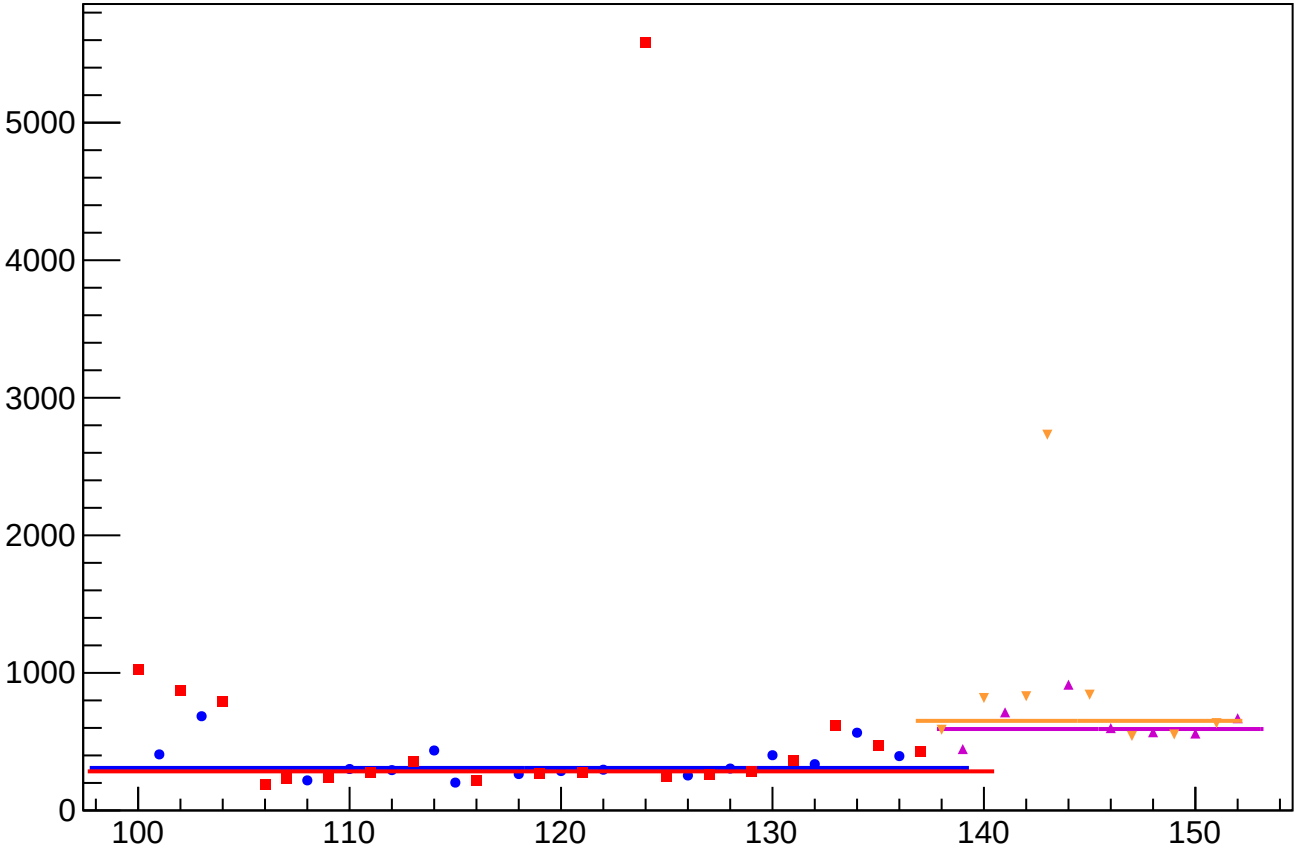
Left In: 0.246+/-0.247 χ^2/NDF:9.6/6

+ sign -0.020+/-0.112 χ^2/NDF: 22.8/23

All: -0.041+/-0.077 χ^2/NDF: 59.6/49

- sign -0.059+/-0.106 χ^2/NDF: 36.7/25

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: 651.381+/-0.197 χ^2/NDF:1275544.6/7

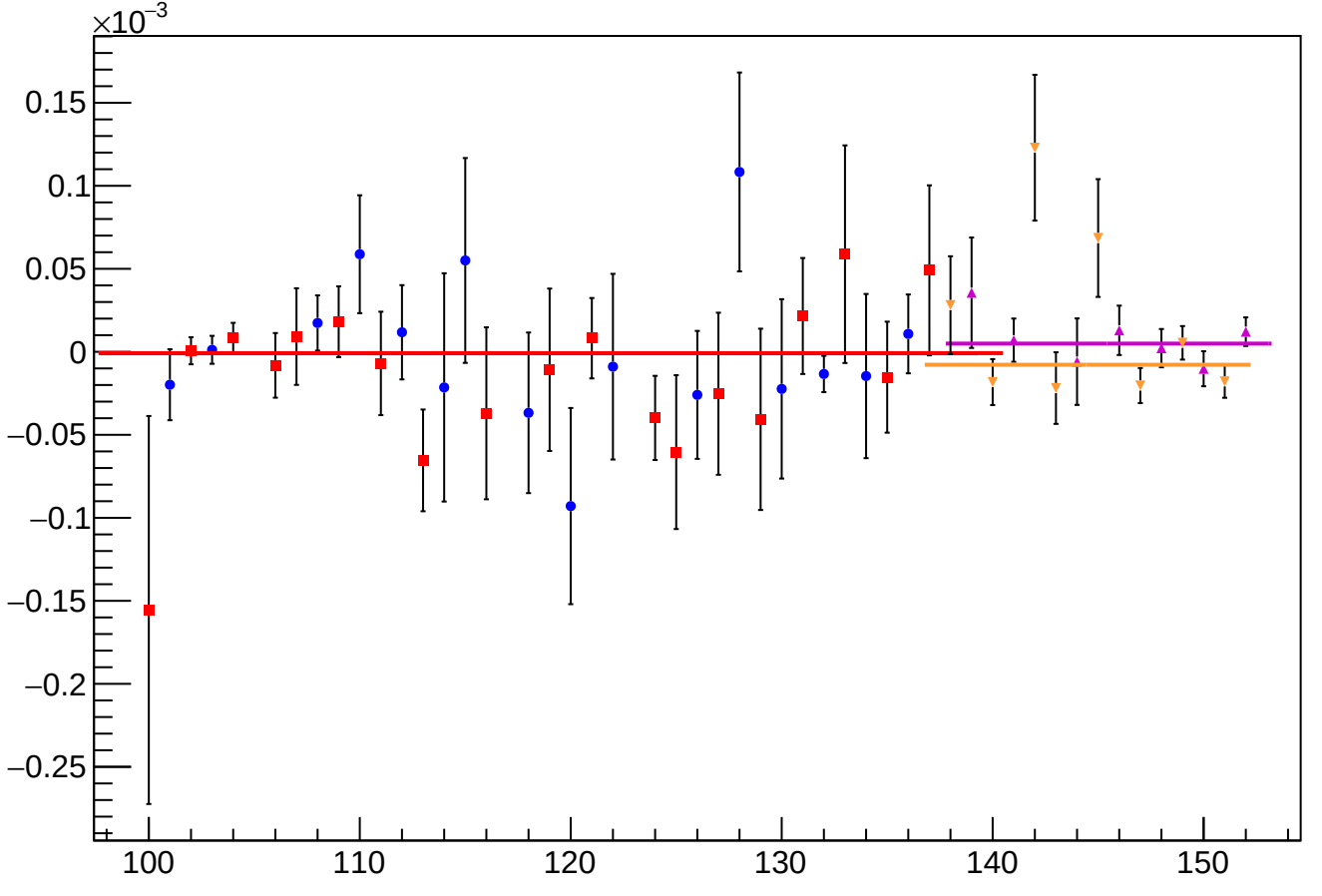
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 592.036+/-0.174 χ^2/NDF:469968.1/6

+ sign 363.955+/-0.079 χ^2/NDF: 4819027.7/23

All: 351.657+/-0.054 χ^2/NDF: 9734769.3/49

- sign 340.650+/-0.075 χ^2/NDF: 4869775.4/25



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/7

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

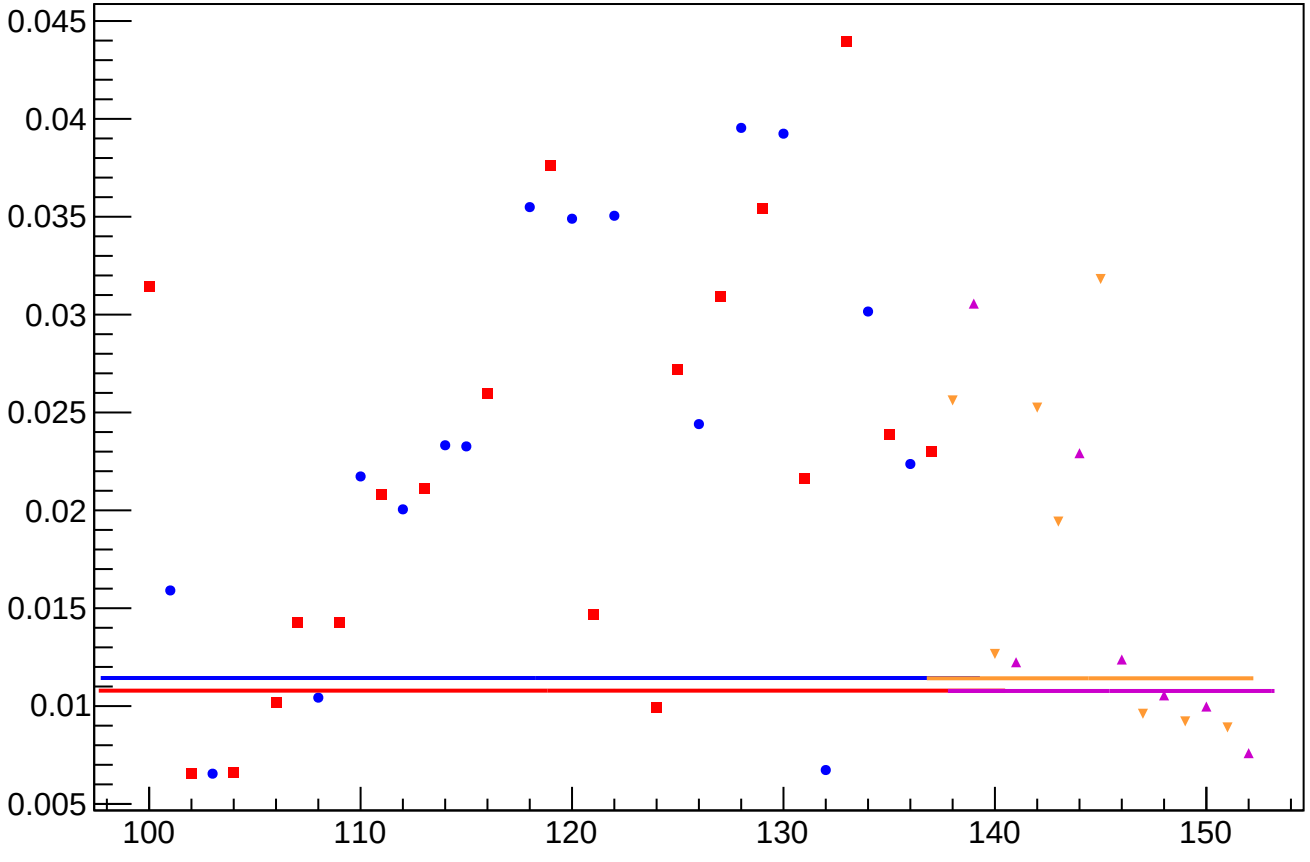
Left In: 0.000+/-0.000 χ^2/NDF:4.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/23

All: -0.000+/-0.000 χ^2/NDF: 58.2/49

- sign 0.000+/-0.000 χ^2/NDF: 21.0/25

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:1900532.6/7

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

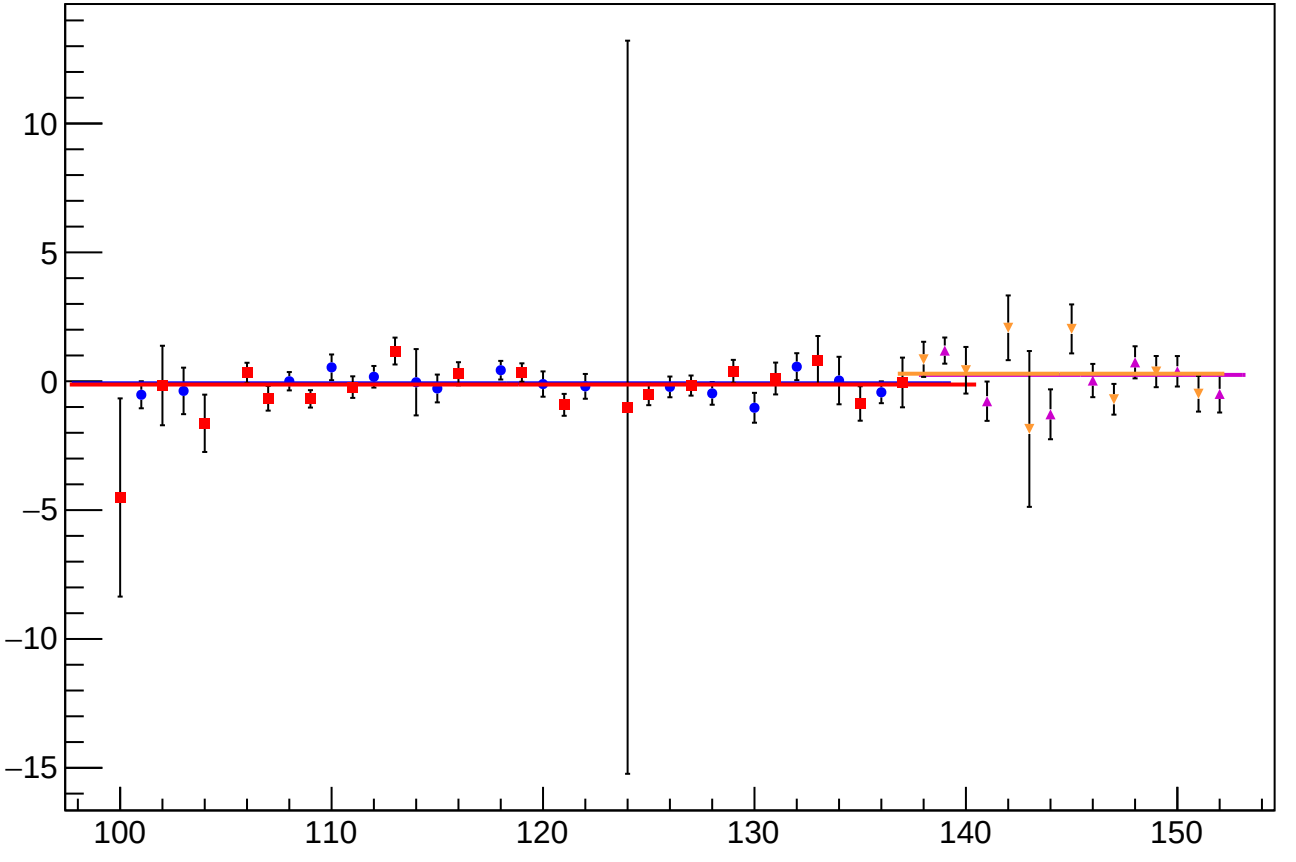
Left In: 0.011+/-0.000 χ^2/NDF:1476307.9/6

+ sign 0.011+/-0.000 χ^2/NDF: 6600479.5/23

All: 0.011+/-0.000 χ^2/NDF: 12583621.8/49

- sign 0.011+/-0.000 χ^2/NDF: 5950009.2/25

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: 0.292+/-0.279 χ^2/NDF:10.6/7

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

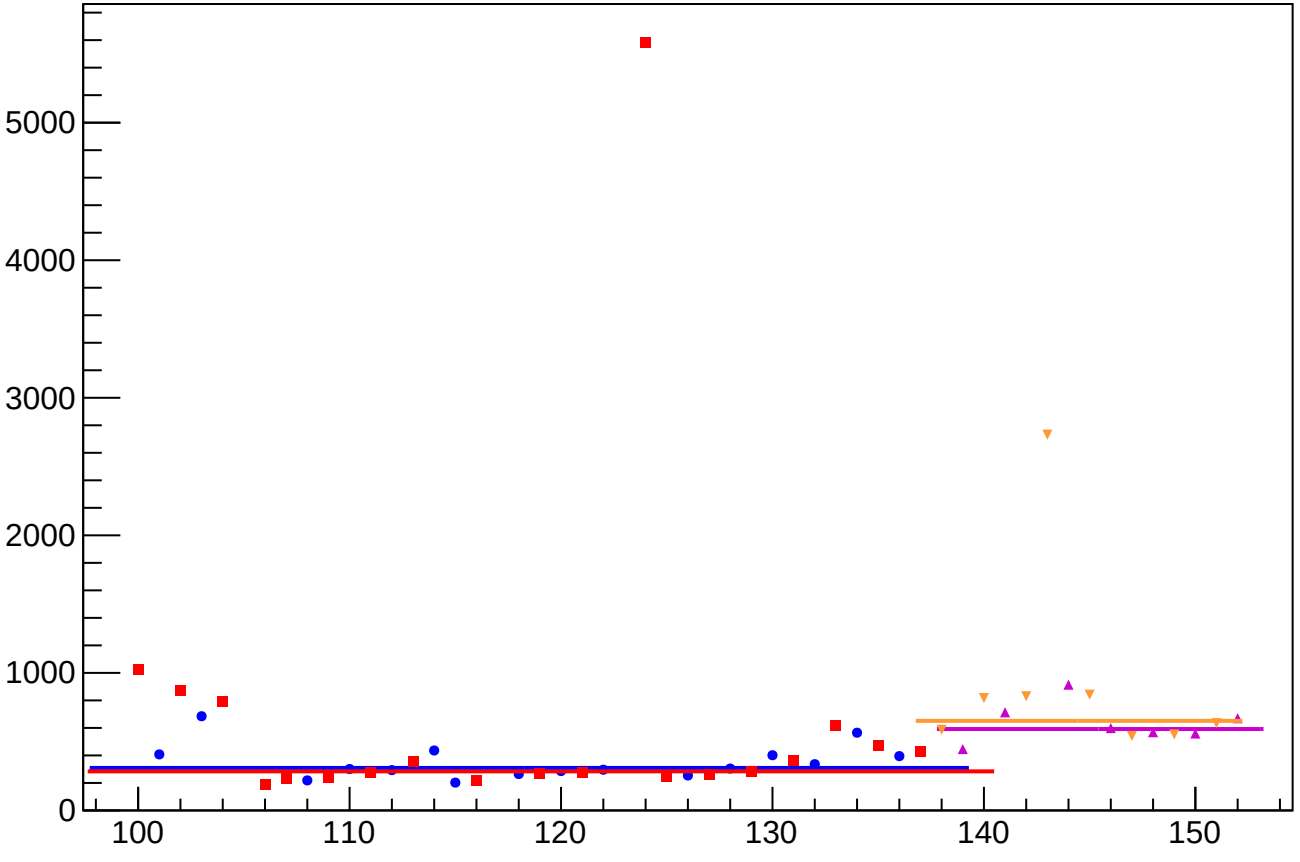
Left In: 0.246+/-0.247 χ^2/NDF:9.6/6

+ sign -0.020+/-0.112 χ^2/NDF: 22.9/23

All: -0.041+/-0.077 χ^2/NDF: 59.6/49

- sign -0.059+/-0.106 χ^2/NDF: 36.7/25

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: 651.388+/-0.197 χ^2/NDF:1275544.0/7

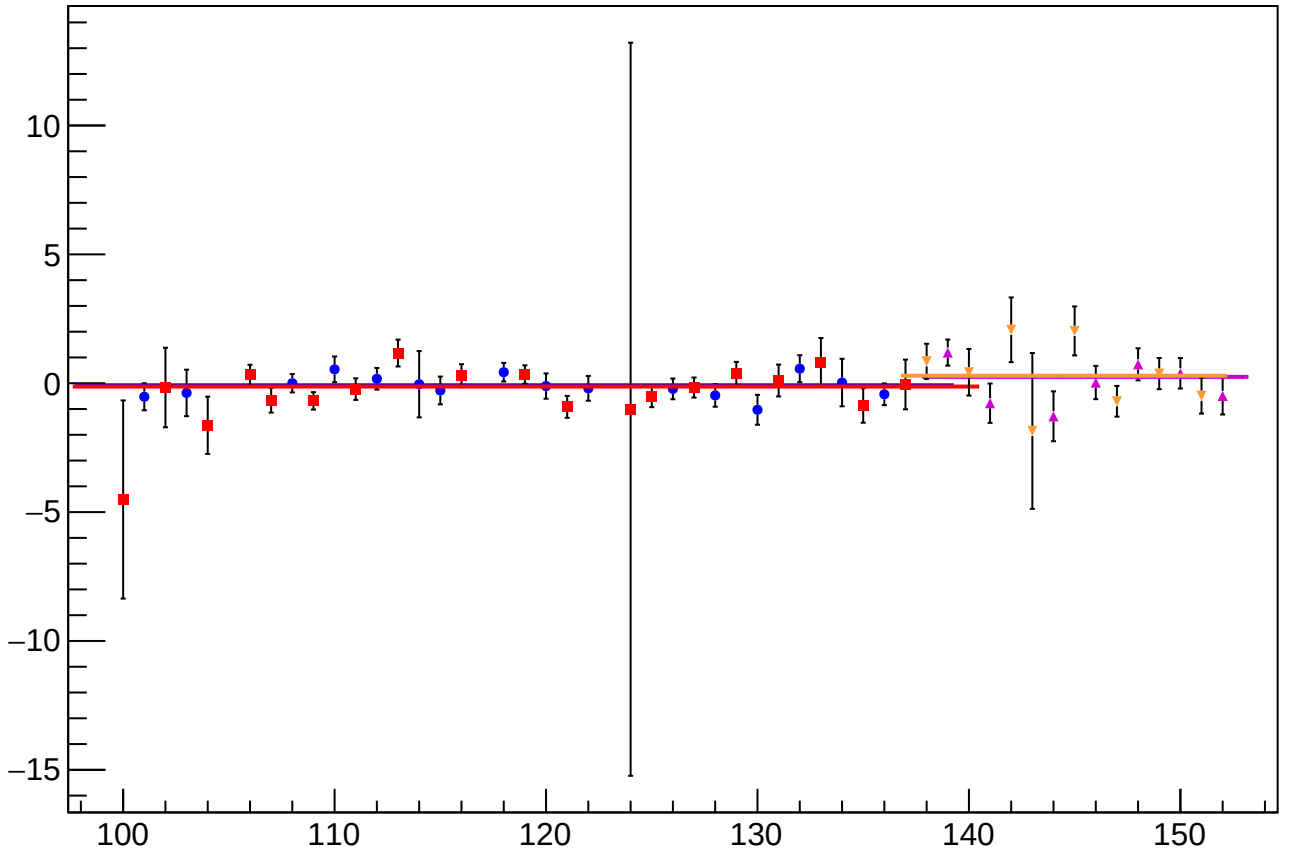
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 592.044+/-0.174 χ^2/NDF:469949.9/6

+ sign 363.955+/-0.079 χ^2/NDF: 4819064.0/23

All: 351.656+/-0.054 χ^2/NDF: 9734862.7/49

- sign 340.649+/-0.075 χ^2/NDF: 4869833.7/25



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.292+/-0.279 χ^2/NDF:10.6/7

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

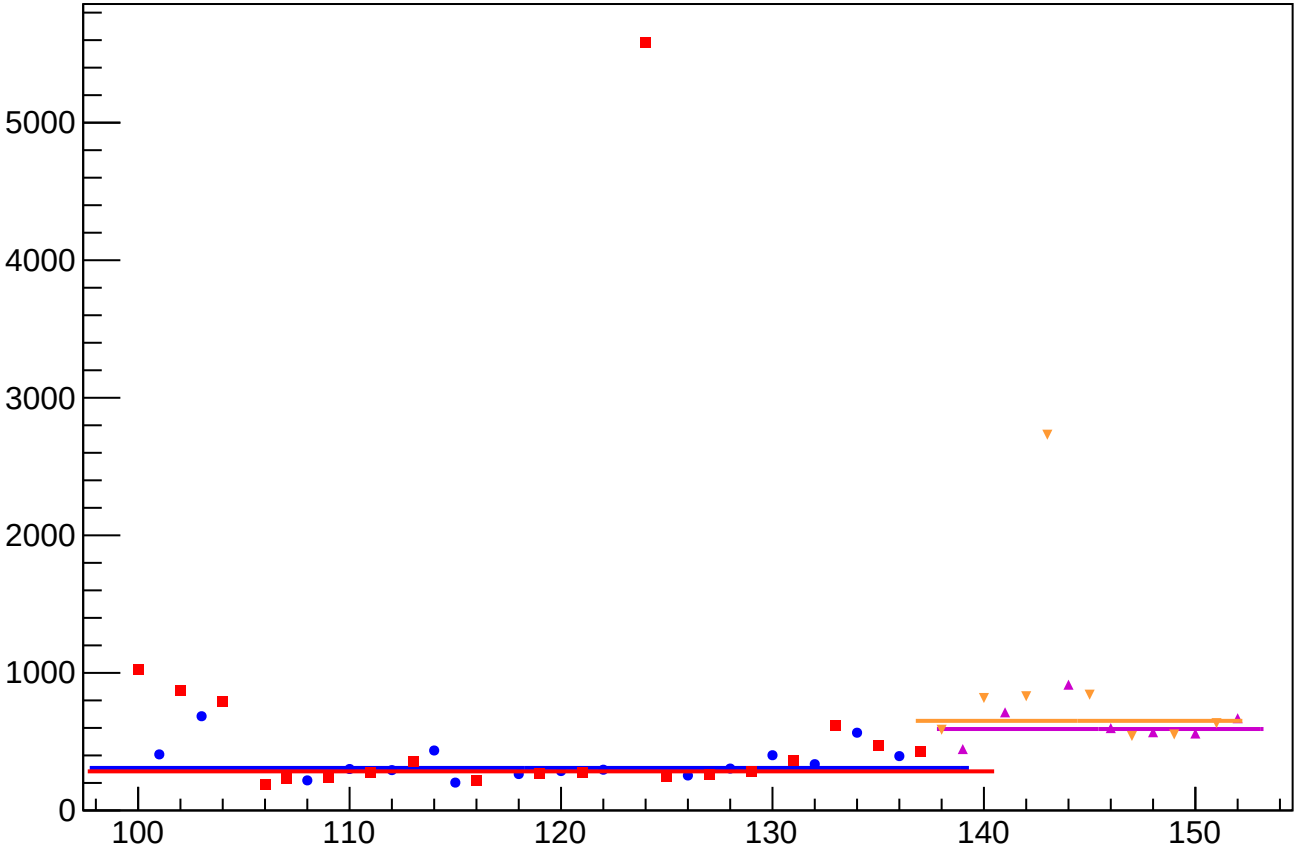
Left In: 0.246+/-0.247 χ^2/NDF:9.6/6

\+ sign -0.020+/-0.112 χ^2/NDF: 22.9/23

All: -0.041+/-0.077 χ^2/NDF: 59.6/49

\- sign -0.059+/-0.106 χ^2/NDF: 36.7/25

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: 651.388+/-0.197 χ^2/NDF:1275544.0/7

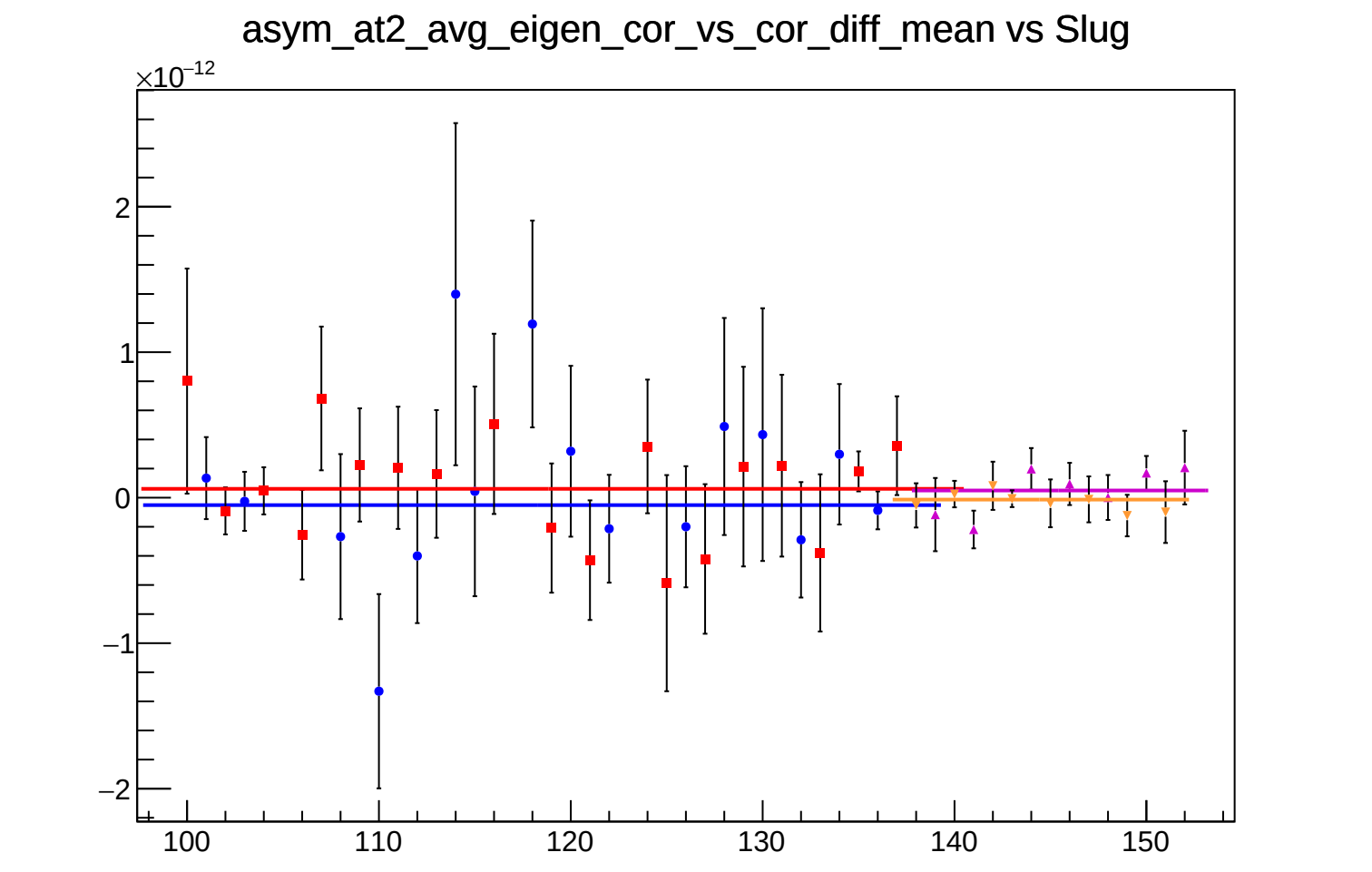
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 592.044+/-0.174 χ^2/NDF:469949.9/6

+ sign 363.955+/-0.079 χ^2/NDF: 4819064.0/23

All: 351.656+/-0.054 χ^2/NDF: 9734862.7/49

- sign 340.649+/-0.075 χ^2/NDF: 4869833.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/7

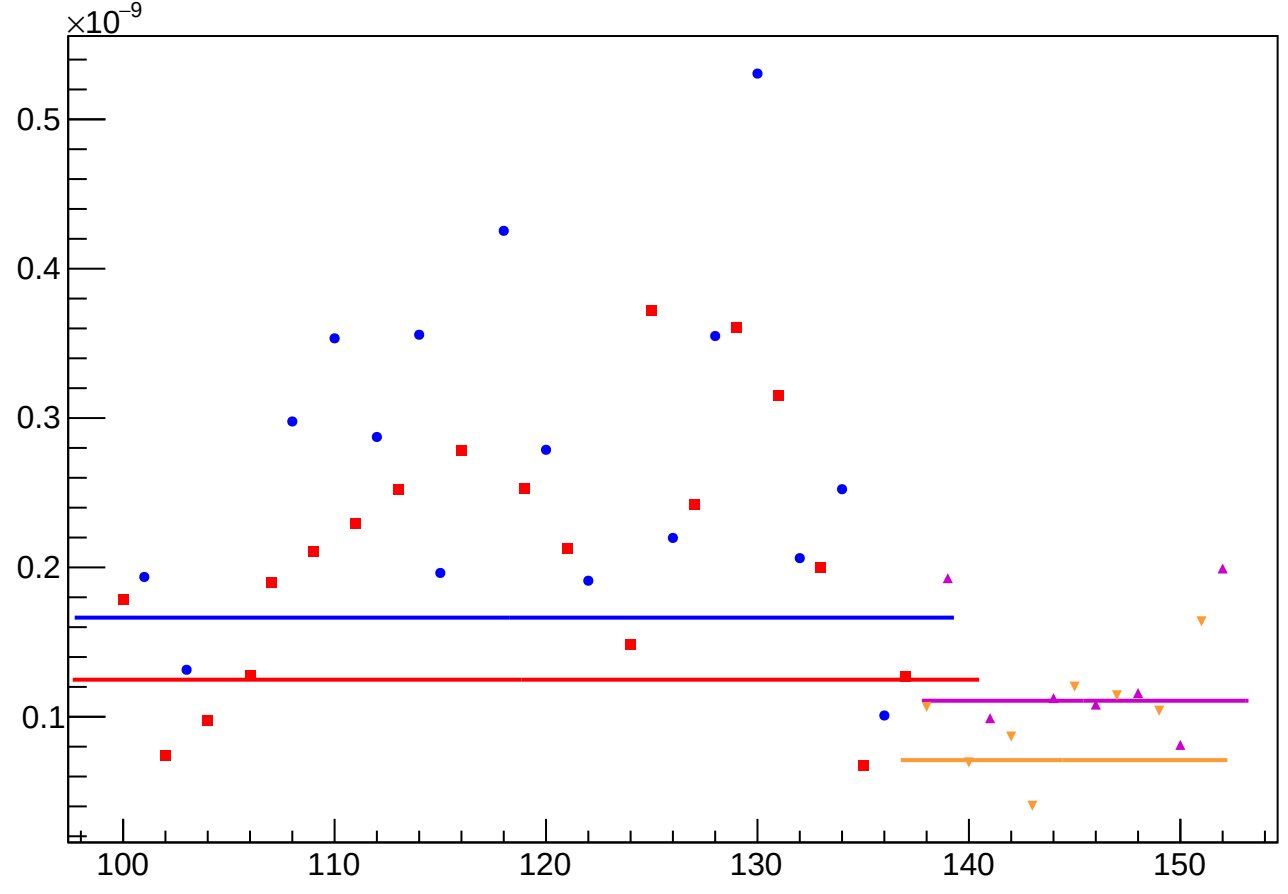
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 13.5/23

All: 0.000+/-0.000 χ^2/NDF: 34.1/49

- sign 0.000+/-0.000 χ^2/NDF: 18.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1511495.8/7

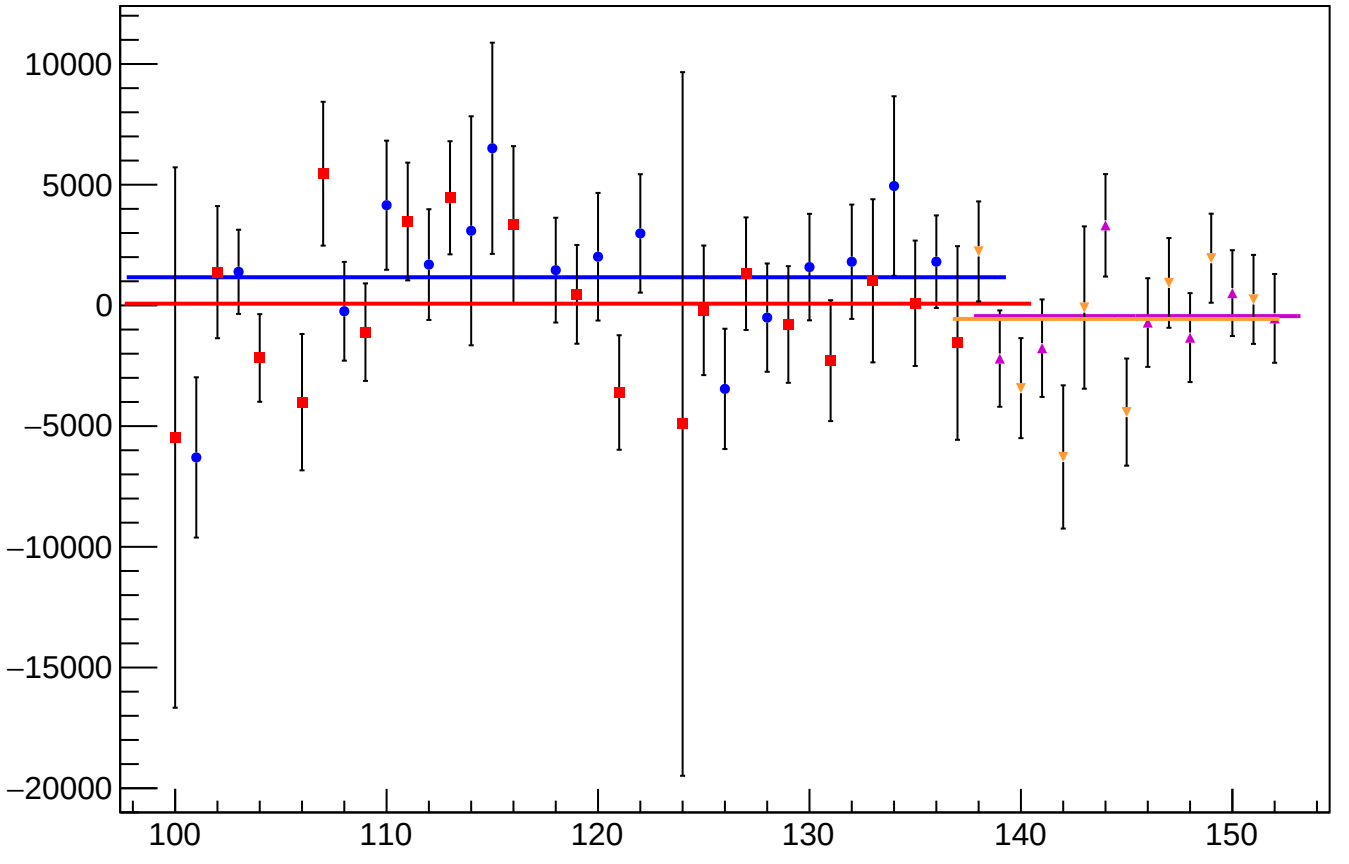
Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:604993.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 5593817.7/23

All: 0.000+/-0.000 χ^2/NDF: 8958136.0/49

- sign 0.000+/-0.000 χ^2/NDF: 2862881.4/25



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -558.837+/-756.130 χ^2/NDF:13.2/7

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

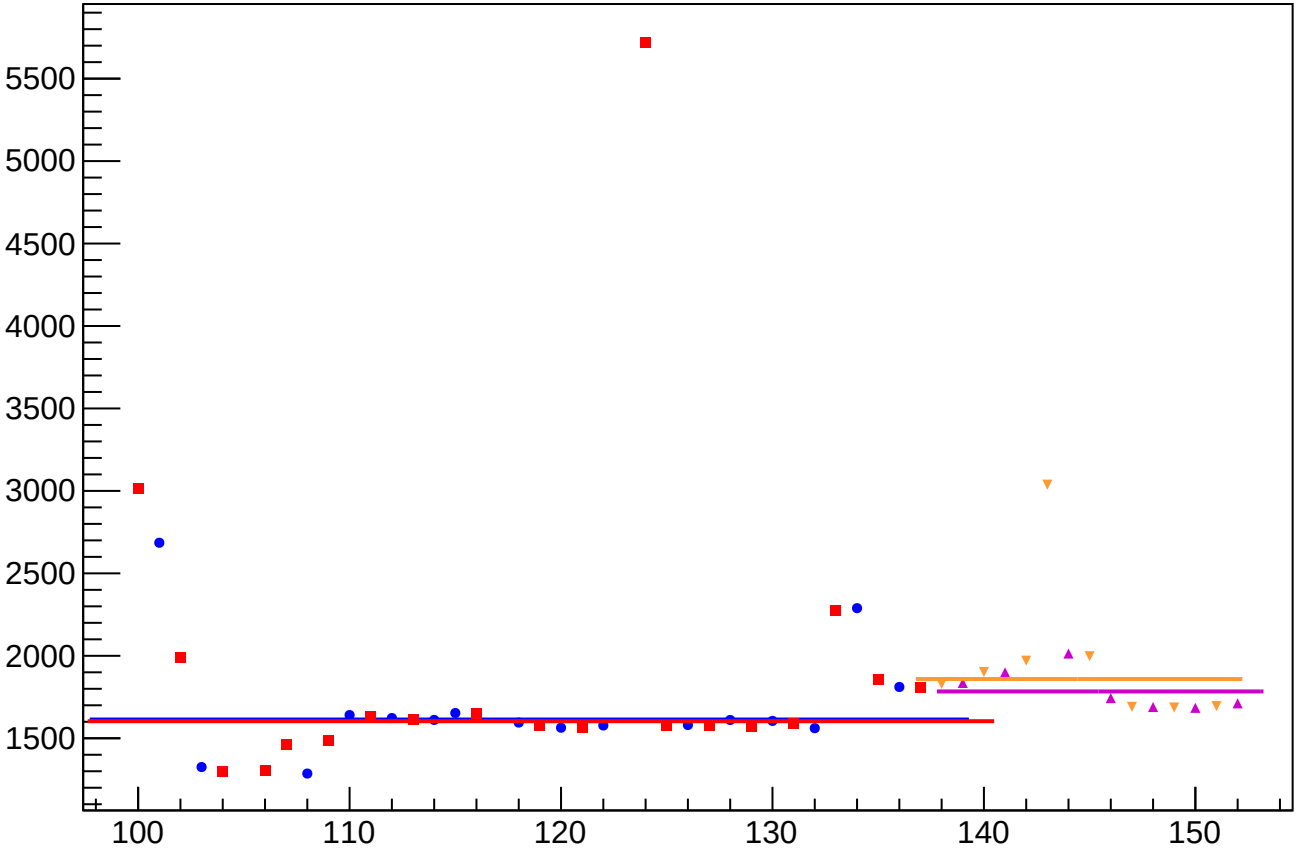
Left In: -443.336+/-721.416 χ^2/NDF:4.9/6

+ sign 487.637+/-474.374 χ^2/NDF: 30.8/23

All: 166.086+/-331.275 χ^2/NDF: 55.2/49

- sign -140.000+/-462.826 χ^2/NDF: 23.5/25

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1859.217+/-0.535 χ^2/NDF:307479.4/7

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

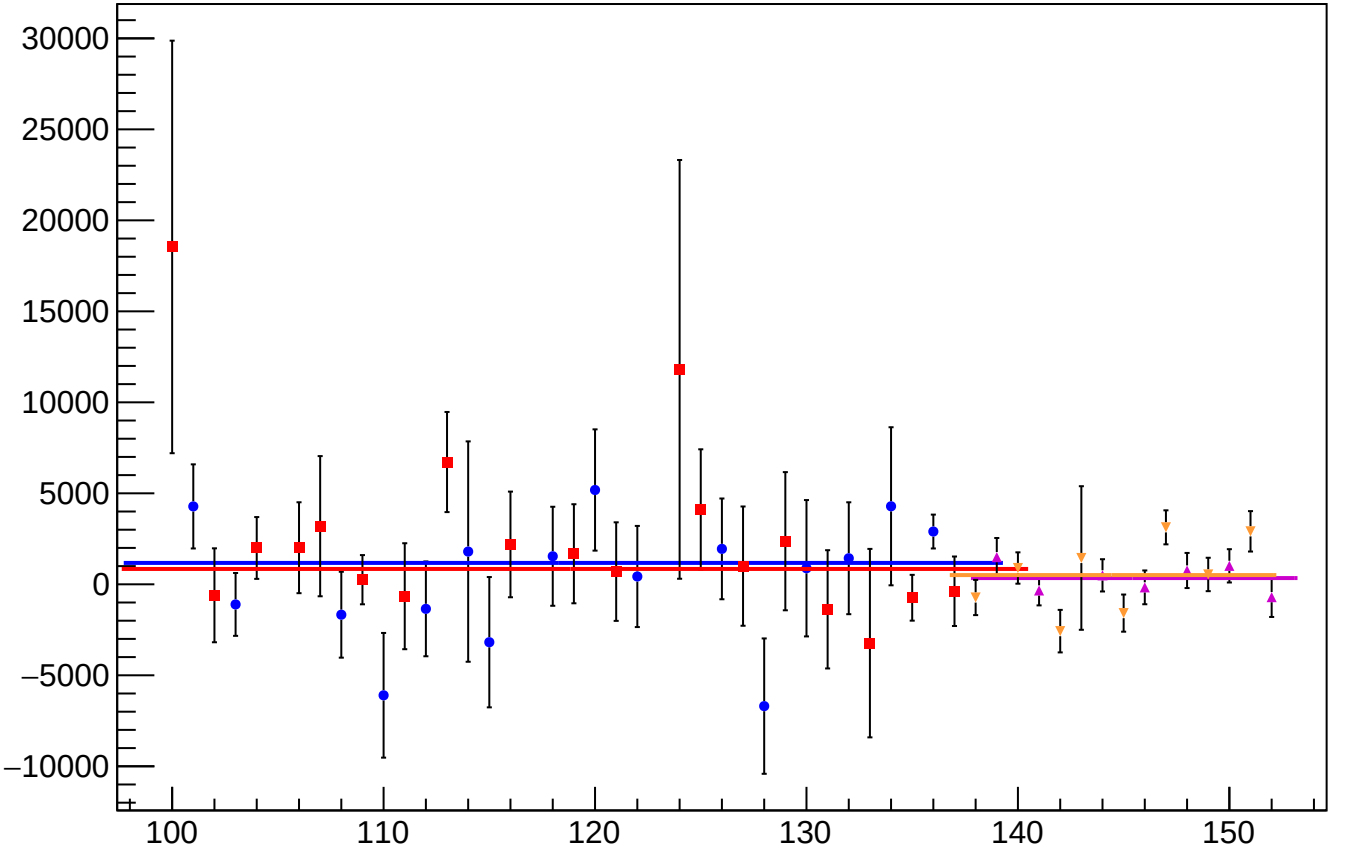
Left In: 1783.865+/-0.510 χ^2/NDF:46869.1/6

+ sign 1710.318+/-0.335 χ^2/NDF: 840063.8/23

All: 1693.615+/-0.234 χ^2/NDF: 1391155.9/49

- sign 1677.715+/-0.327 χ^2/NDF: 546252.1/25

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 506.799+/-369.752 χ^2/NDF:25.6/7

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

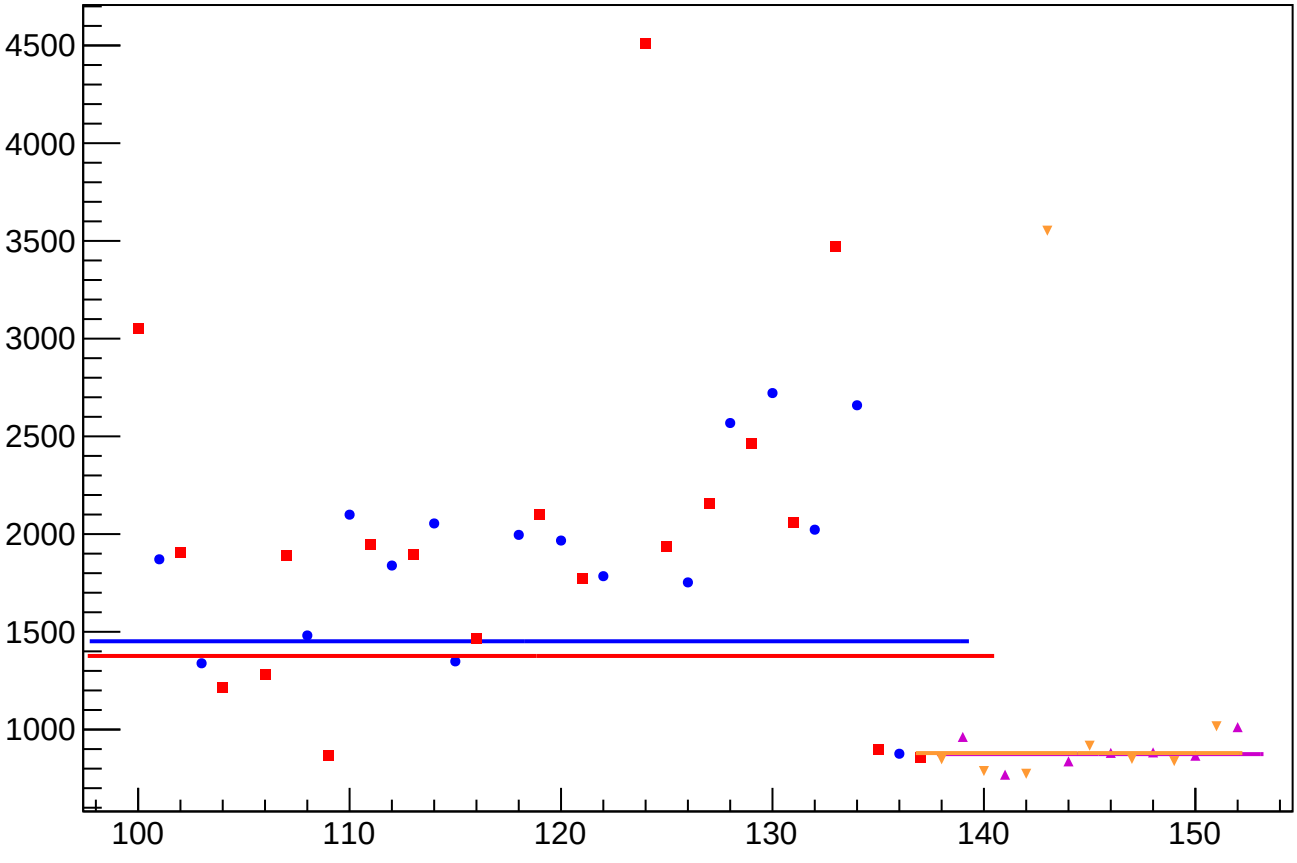
Left In: 342.848+/-355.026 χ^2/NDF:3.9/6

+ sign 700.472+/-311.639 χ^2/NDF: 48.5/23

All: 589.702+/-215.924 χ^2/NDF: 67.5/49

- sign 487.426+/-299.451 χ^2/NDF: 18.7/25

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 879.576+/-0.261 χ^2/NDF:998596.7/7

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

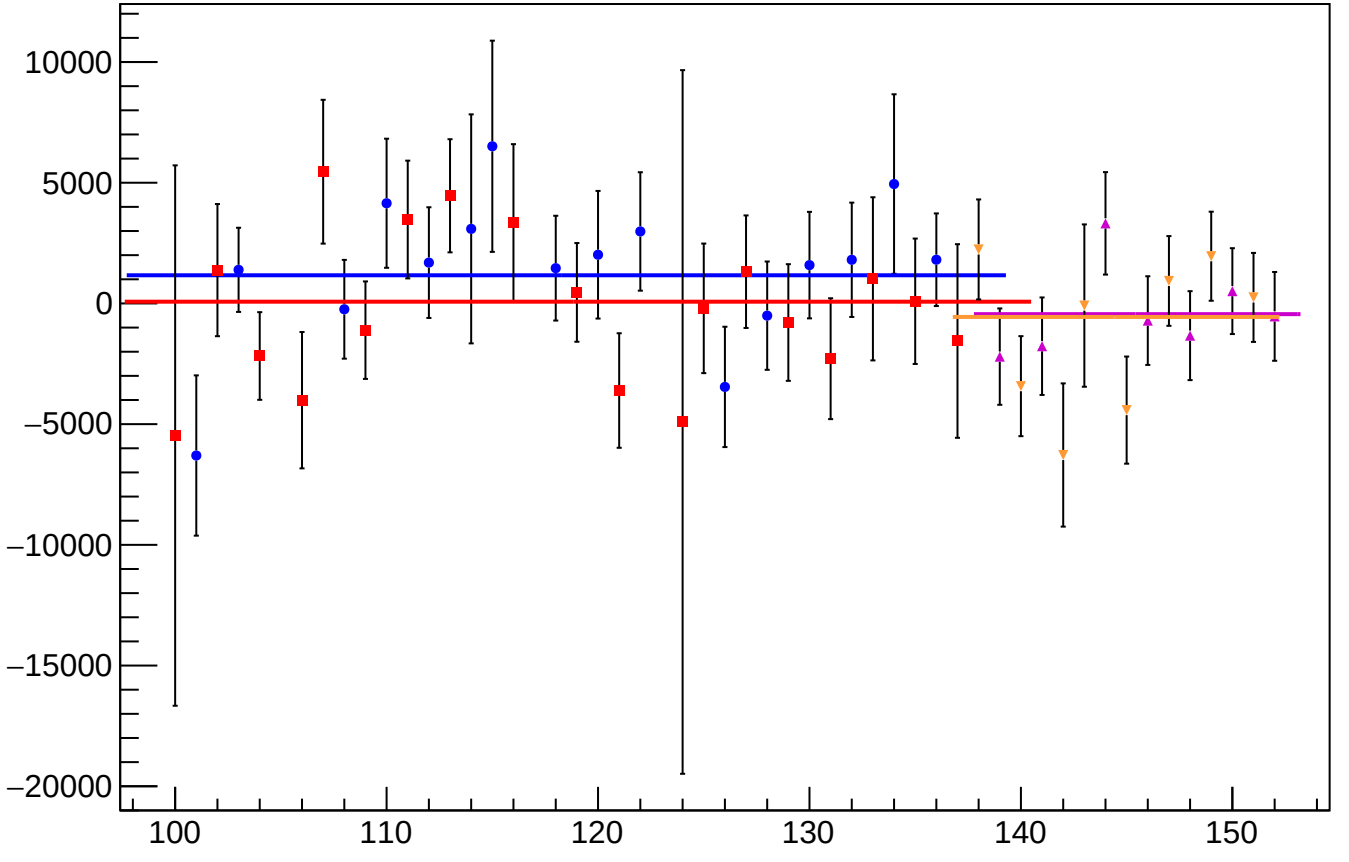
Left In: 874.242+/-0.251 χ^2/NDF:82949.8/6

+ sign 1045.264+/-0.220 χ^2/NDF: 4175987.4/23

All: 1031.698+/-0.153 χ^2/NDF: 7553240.1/49

- sign 1019.172+/-0.212 χ^2/NDF: 3369963.3/25

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -558.940+/-756.130 χ^2/NDF:13.2/7

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

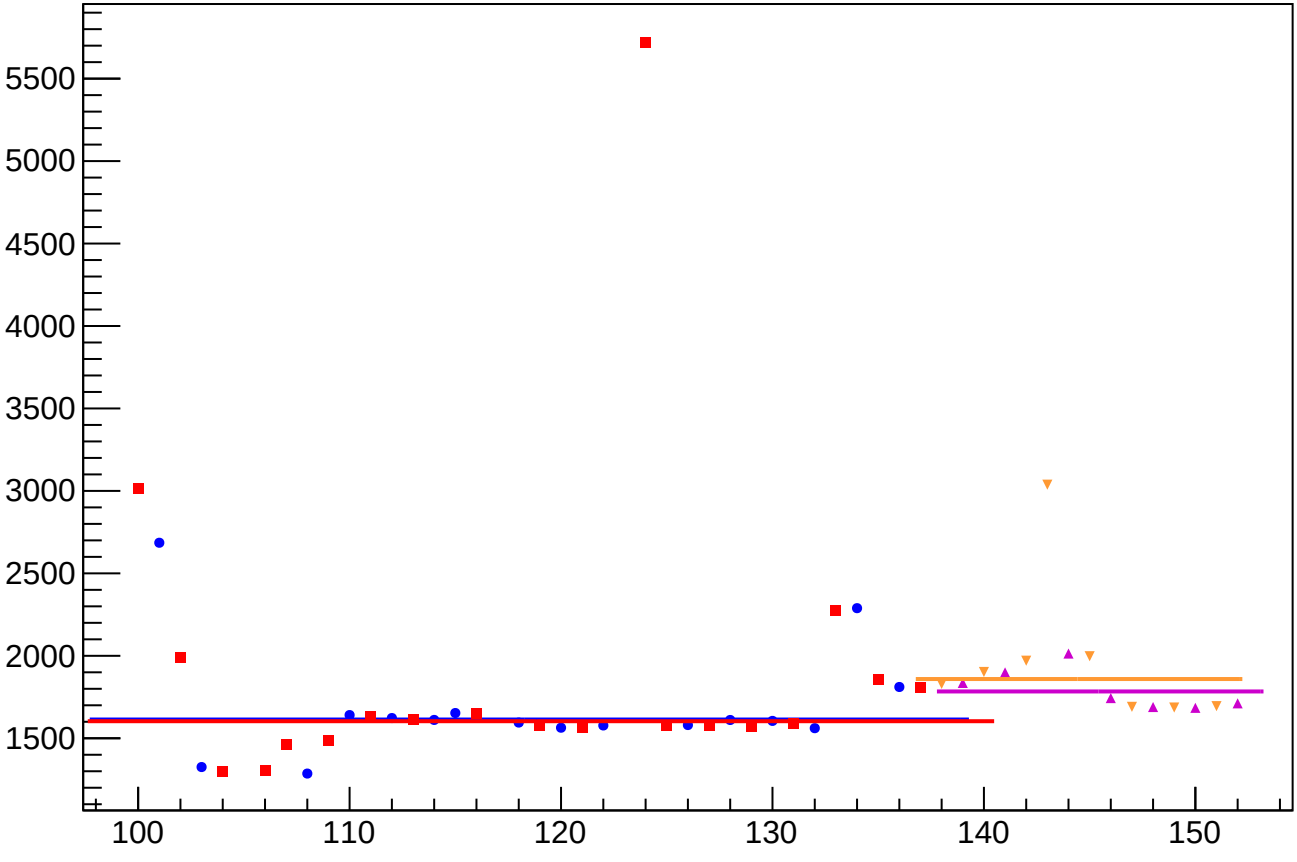
Left In: -443.292+/-721.416 χ^2/NDF:4.9/6

+ sign 487.540+/-474.374 χ^2/NDF: 30.8/23

All: 166.144+/-331.275 χ^2/NDF: 55.2/49

- sign -139.795+/-462.826 χ^2/NDF: 23.5/25

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1859.217+/-0.535 χ^2/NDF:307479.4/7

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

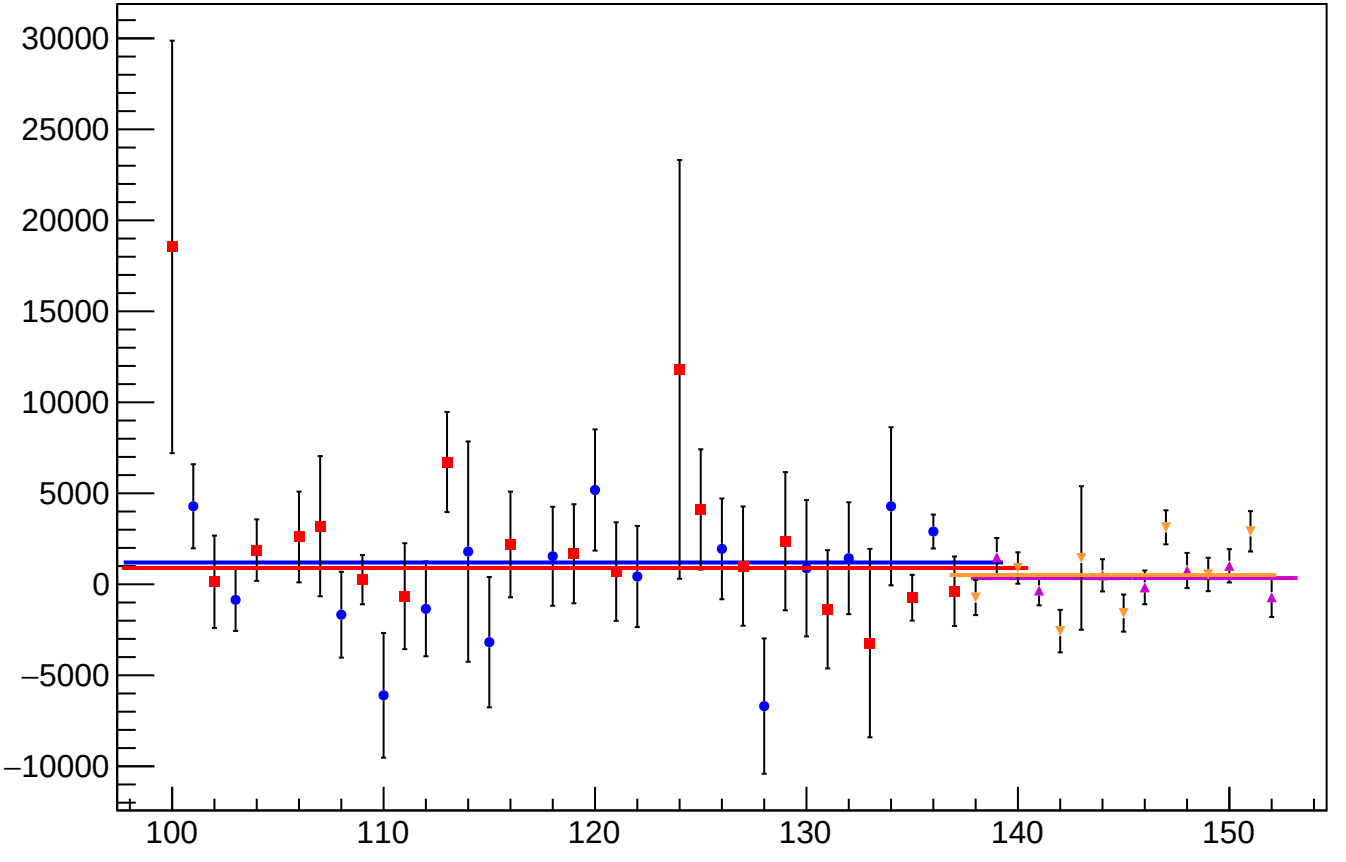
Left In: 1783.865+/-0.510 χ^2/NDF:46869.1/6

+ sign 1710.318+/-0.335 χ^2/NDF: 840064.2/23

All: 1693.615+/-0.234 χ^2/NDF: 1391156.4/49

- sign 1677.715+/-0.327 χ^2/NDF: 546252.2/25

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 506.840+/-369.759 χ^2/NDF:25.6/7

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

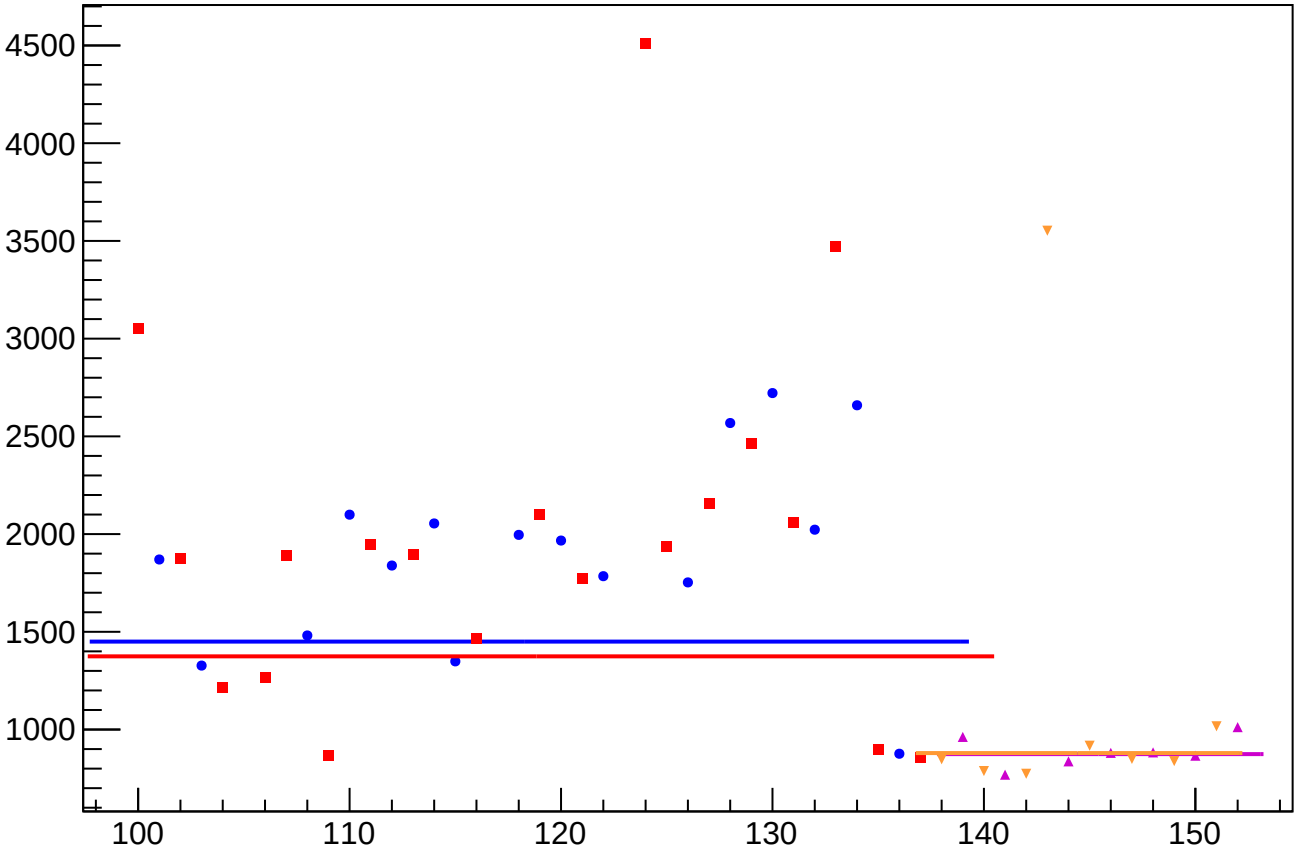
Left In: 342.869+/-355.024 χ^2/NDF:3.9/6

+ sign 707.533+/-311.514 χ^2/NDF: 48.3/23

All: 601.004+/-215.837 χ^2/NDF: 67.3/49

- sign 502.646+/-299.330 χ^2/NDF: 18.8/25

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 879.596+/-0.261 χ^2/NDF:998550.4/7

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

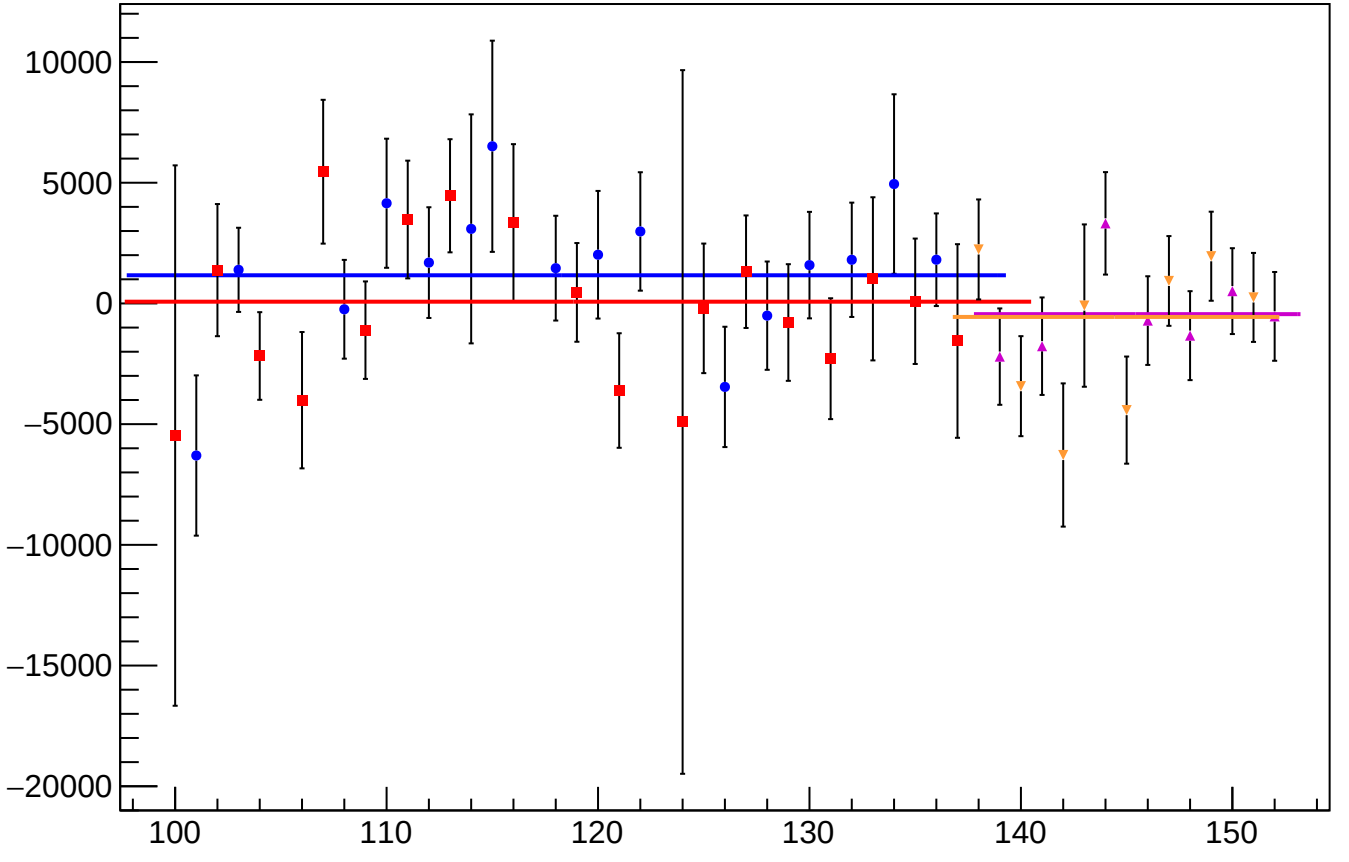
Left In: 874.235+/-0.251 χ^2/NDF:82962.4/6

+ sign 1045.125+/-0.220 χ^2/NDF: 4172256.6/23

All: 1031.471+/-0.153 χ^2/NDF: 7538234.1/49

- sign 1018.864+/-0.212 χ^2/NDF: 3358587.3/25

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -558.940+/-756.130 χ^2/NDF:13.2/7

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

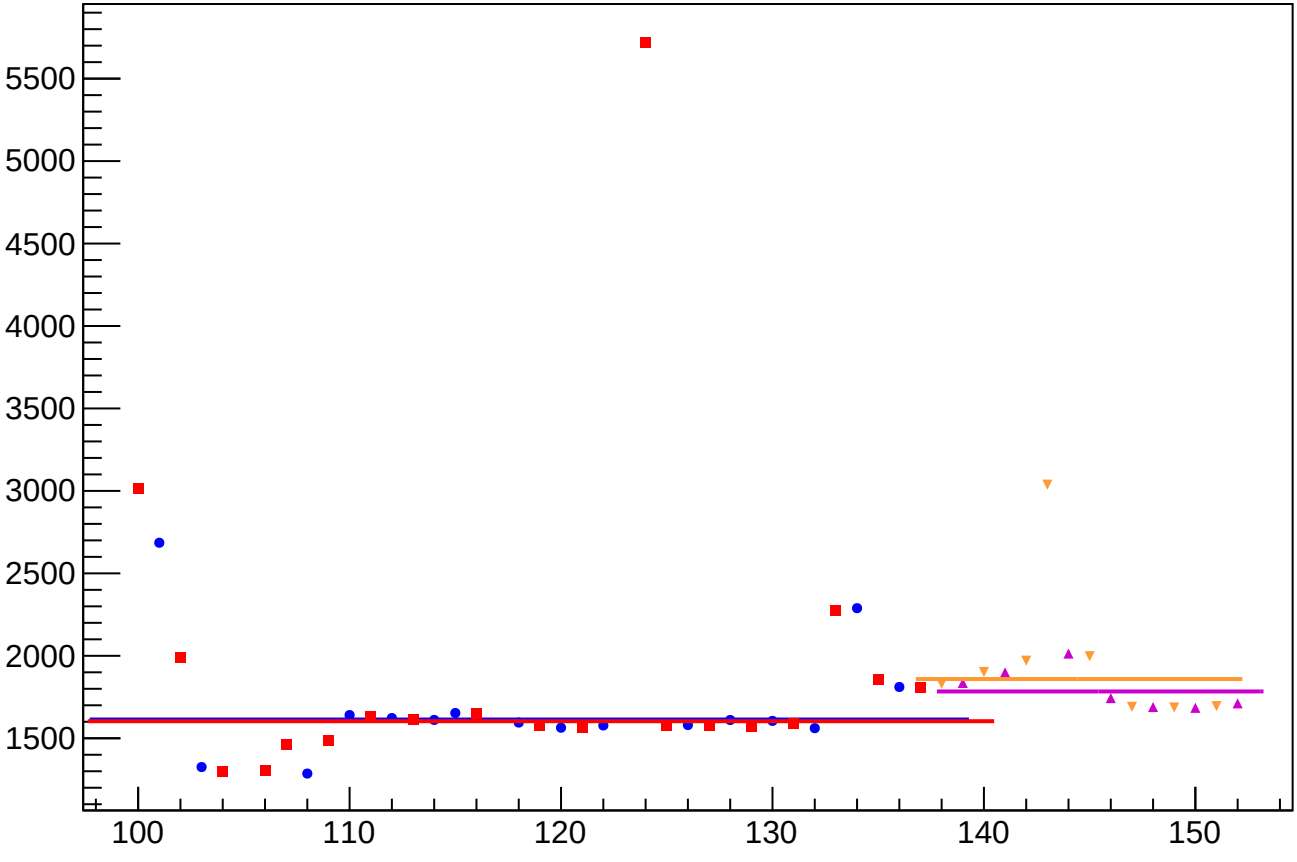
Left In: -443.292+/-721.416 χ^2/NDF:4.9/6

+ sign 487.540+/-474.374 χ^2/NDF: 30.8/23

All: 166.144+/-331.275 χ^2/NDF: 55.2/49

- sign -139.795+/-462.826 χ^2/NDF: 23.5/25

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1859.217+/-0.535 χ^2/NDF:307479.4/7

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

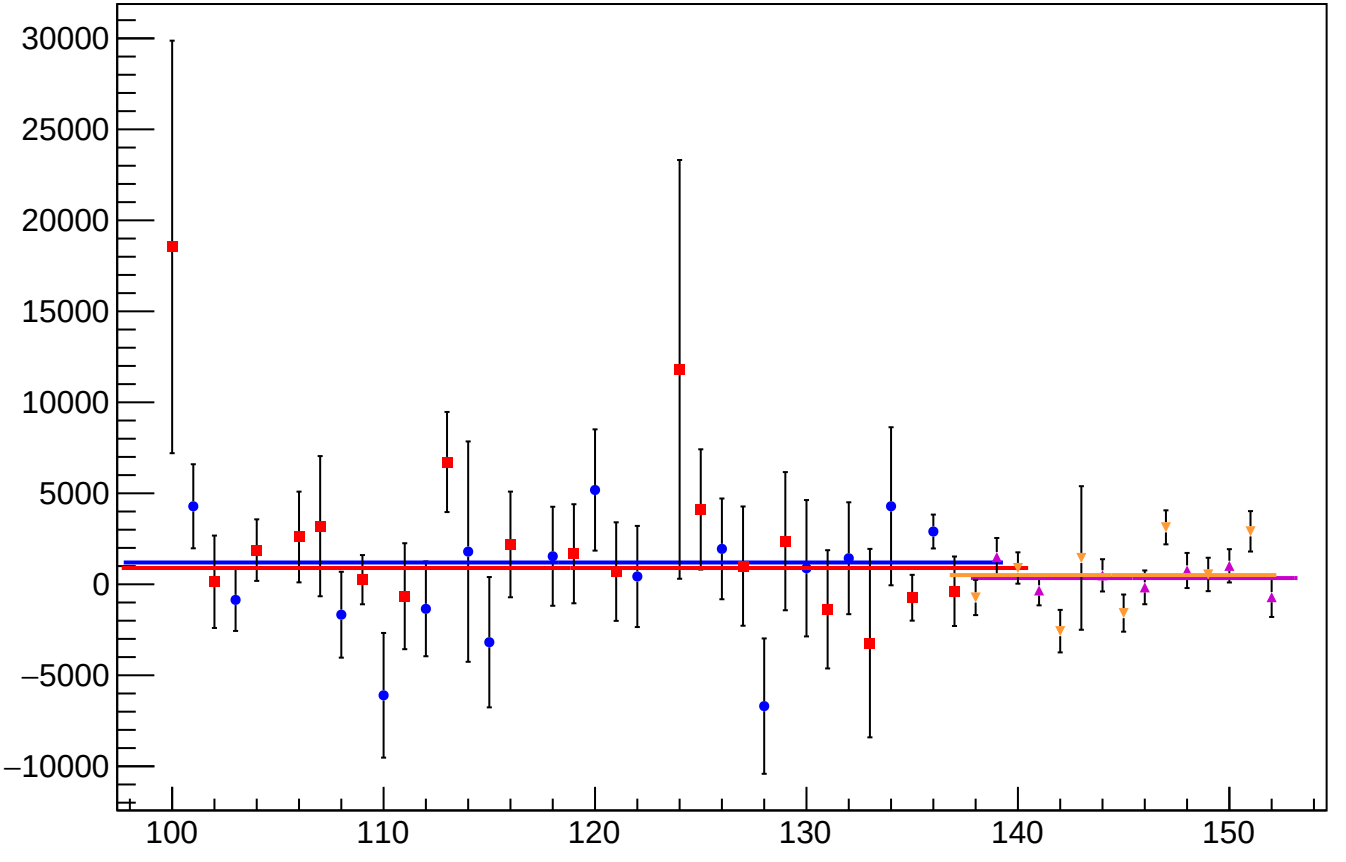
Left In: 1783.865+/-0.510 χ^2/NDF:46869.1/6

+ sign 1710.318+/-0.335 χ^2/NDF: 840064.2/23

All: 1693.615+/-0.234 χ^2/NDF: 1391156.4/49

- sign 1677.715+/-0.327 χ^2/NDF: 546252.2/25

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 506.840+/-369.759 χ^2/NDF:25.6/7

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

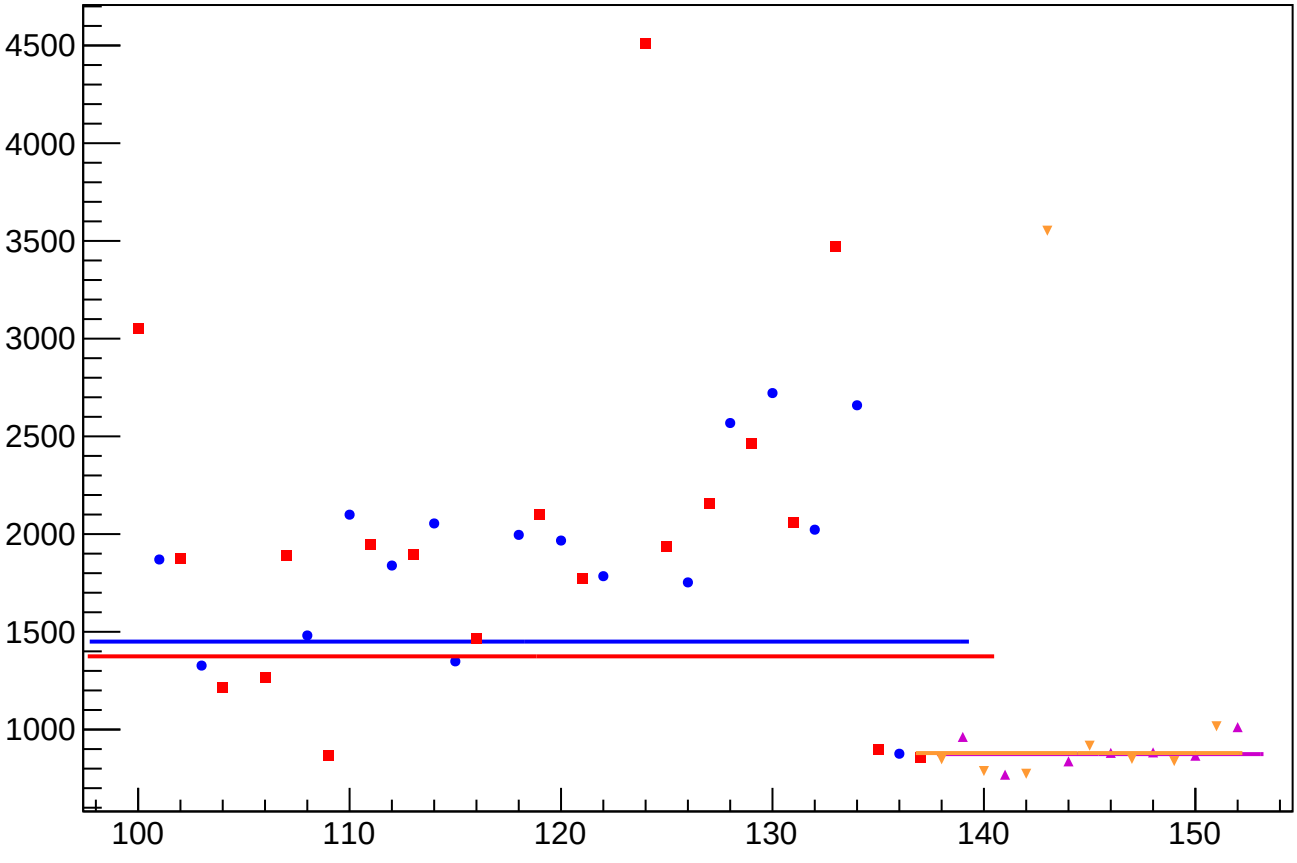
Left In: 342.869+/-355.024 χ^2/NDF:3.9/6

+ sign 707.533+/-311.514 χ^2/NDF: 48.3/23

All: 601.004+/-215.837 χ^2/NDF: 67.3/49

- sign 502.646+/-299.330 χ^2/NDF: 18.8/25

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 879.596+/-0.261 χ^2/NDF:998550.4/7

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

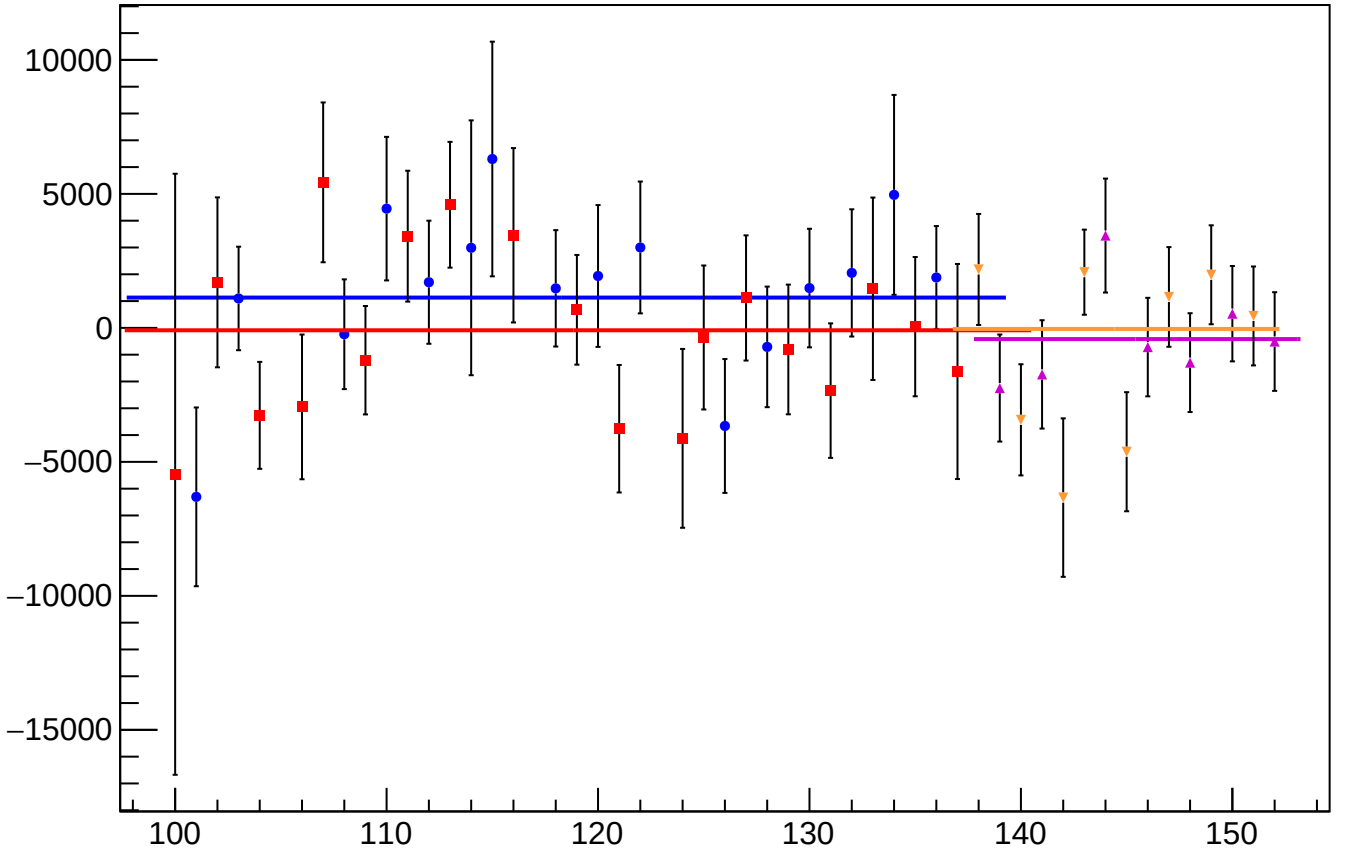
Left In: 874.235+/-0.251 χ^2/NDF:82962.4/6

+ sign 1045.125+/-0.220 χ^2/NDF: 4172256.6/23

All: 1031.471+/-0.153 χ^2/NDF: 7538234.1/49

- sign 1018.864+/-0.212 χ^2/NDF: 3358587.3/25

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -39.088+/-697.595 χ^2/NDF:16.1/7

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

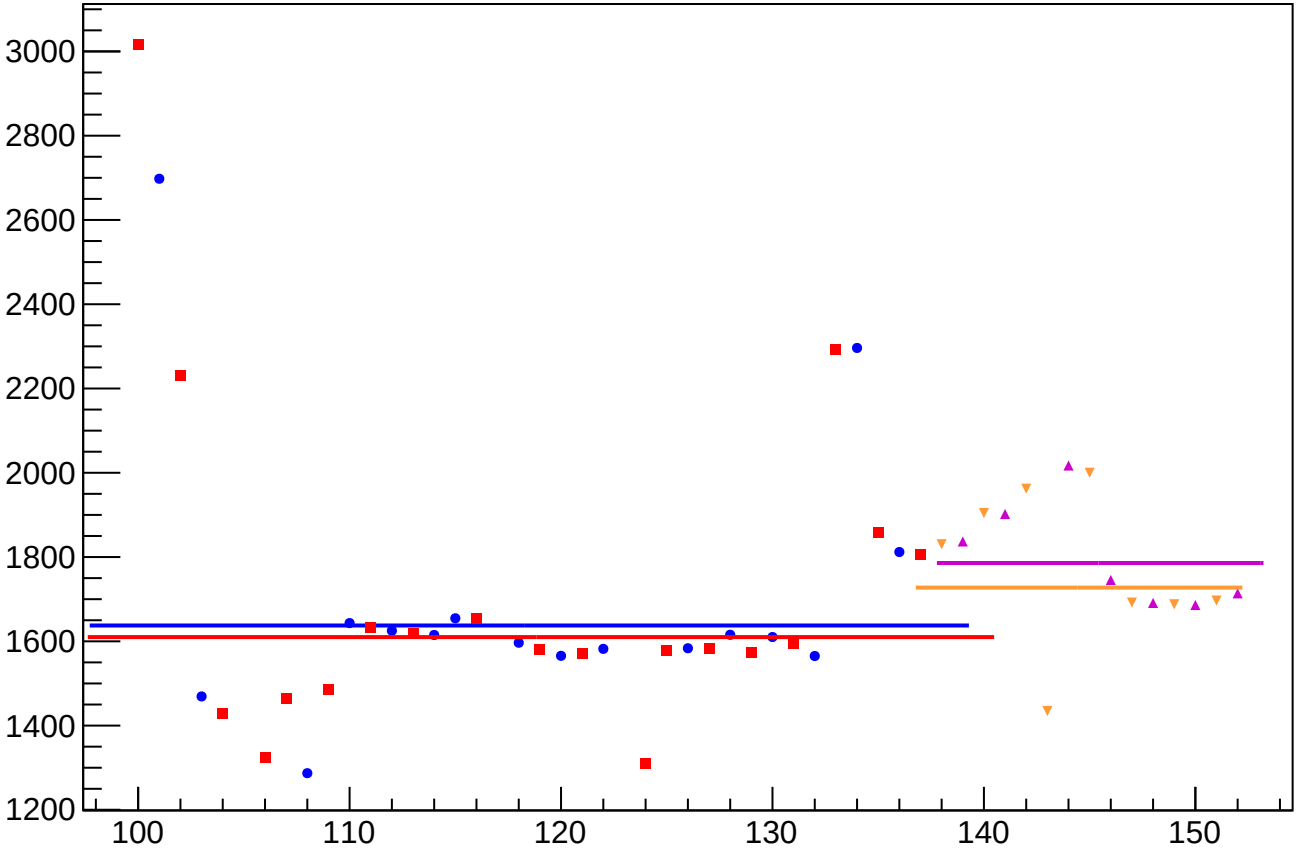
Left In: -418.087+/-722.236 χ^2/NDF:5.1/6

+ sign 617.048+/-462.264 χ^2/NDF: 32.6/23

All: 196.953+/-327.099 χ^2/NDF: 60.2/49

- sign -224.321+/-462.911 χ^2/NDF: 25.9/25

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1727.540+/-0.493 χ^2/NDF:132434.2/7

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

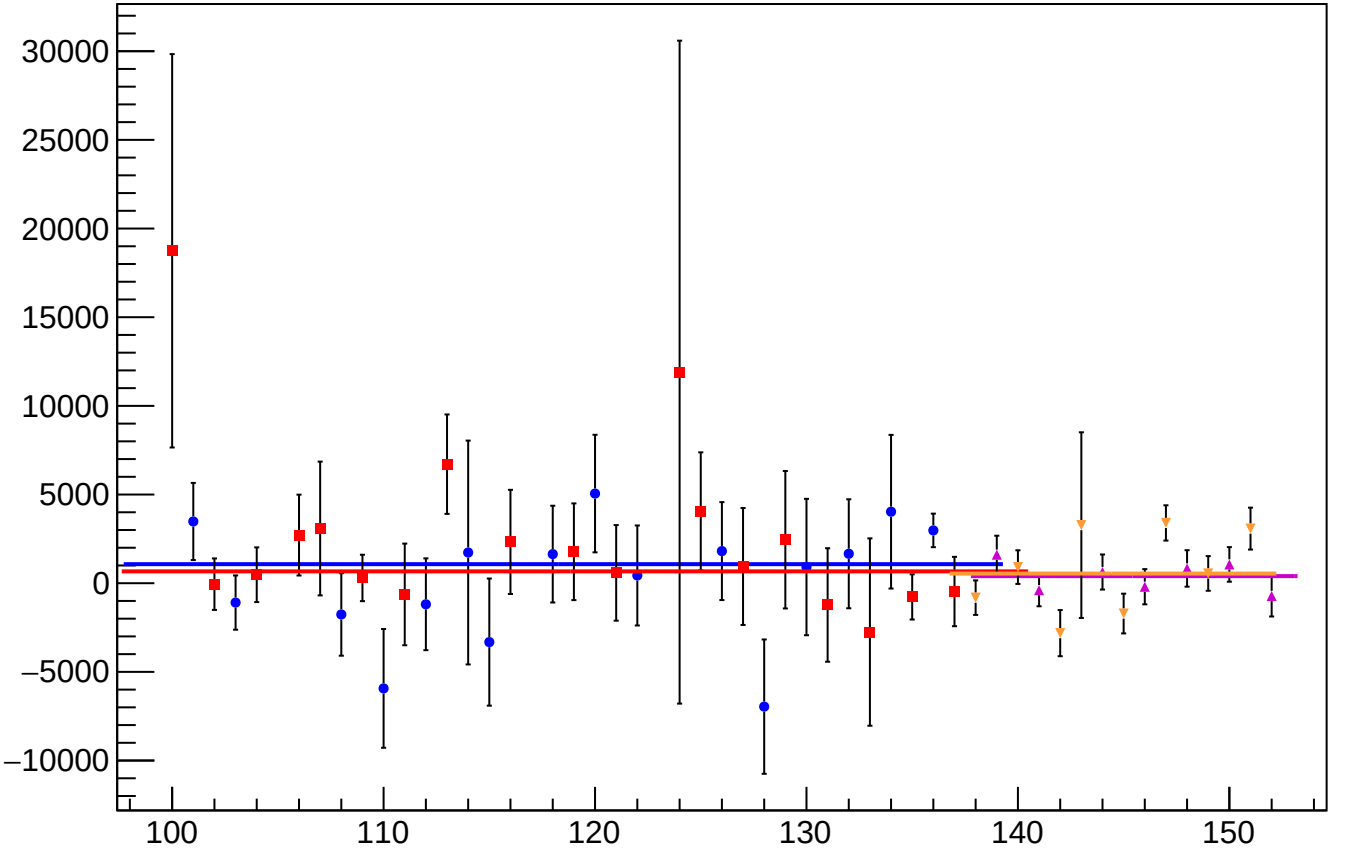
Left In: 1785.854+/-0.511 χ^2/NDF:47188.0/6

+ sign 1677.079+/-0.327 χ^2/NDF: 512508.8/23

All: 1679.669+/-0.231 χ^2/NDF: 910461.9/49

- sign 1682.267+/-0.327 χ^2/NDF: 397827.4/25

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 543.544+/-396.357 χ^2/NDF:25.9/7

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

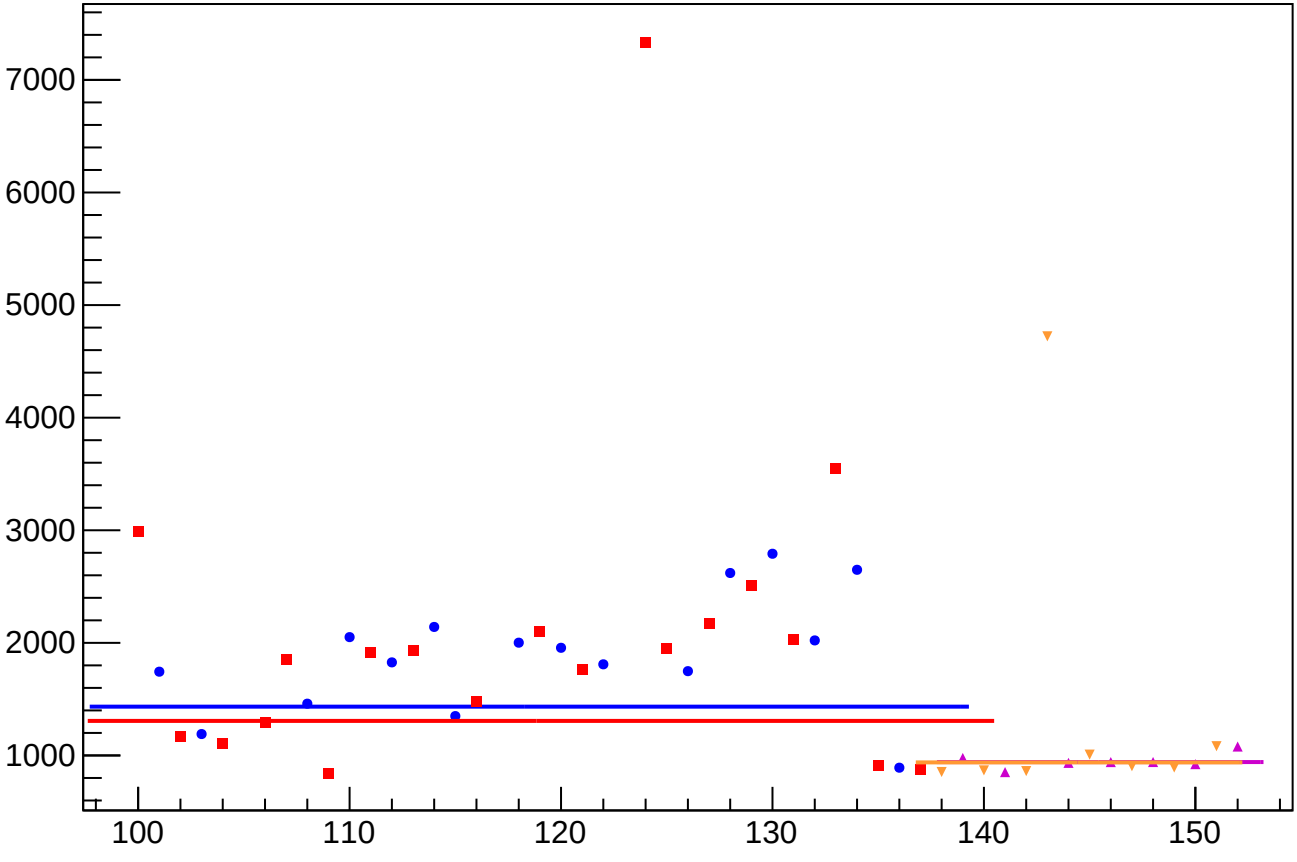
Left In: 400.149+/-381.762 χ^2/NDF:4.0/6

+ sign 715.650+/-325.714 χ^2/NDF: 48.5/23

All: 598.304+/-223.962 χ^2/NDF: 66.5/49

- sign 493.068+/-308.450 χ^2/NDF: 17.7/25

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 938.307+/-0.280 χ^2/NDF:1122447.4/7

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

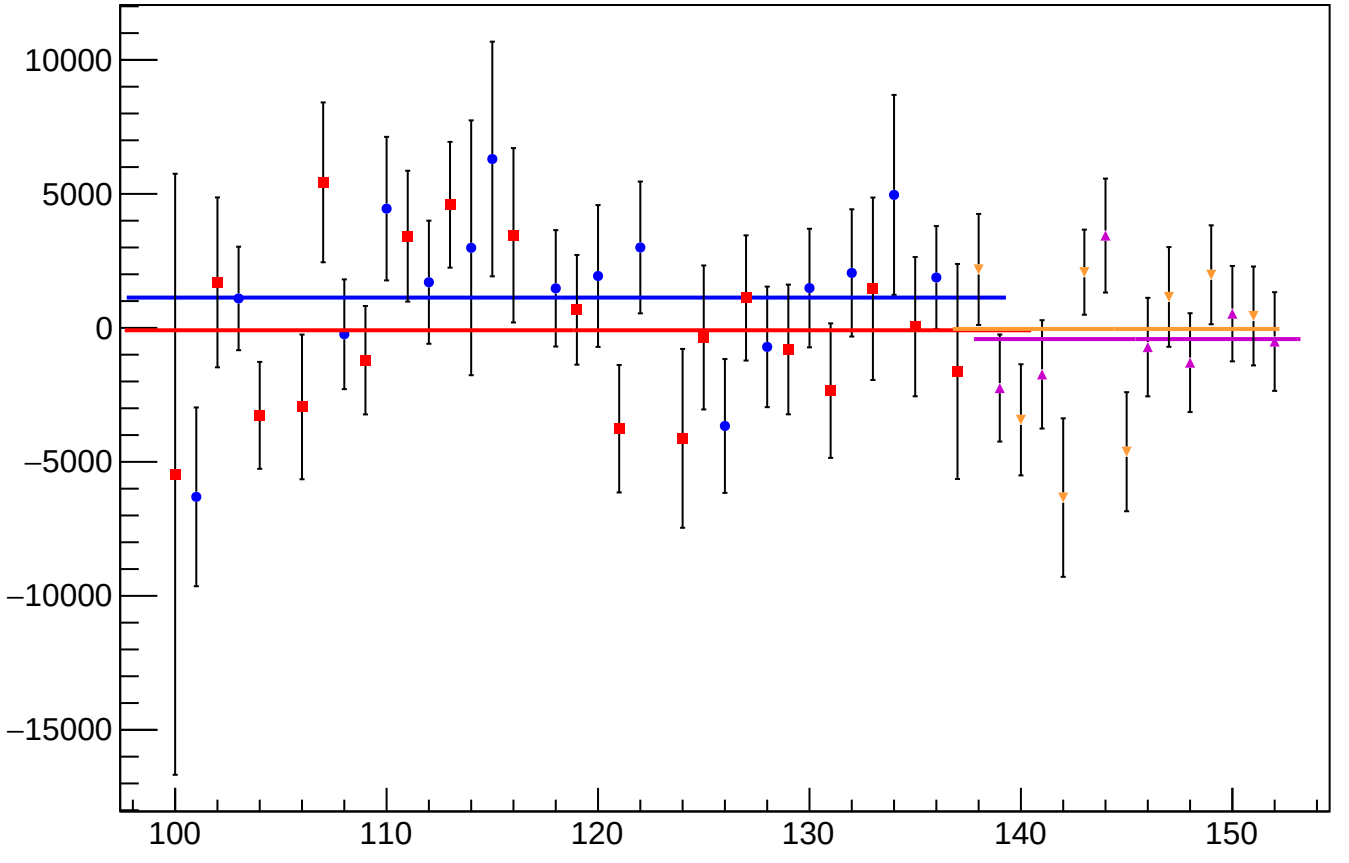
Left In: 941.336+/-0.270 χ^2/NDF:50662.5/6

+ sign 1099.086+/-0.230 χ^2/NDF: 3899477.9/23

All: 1082.827+/-0.158 χ^2/NDF: 6780096.4/49

- sign 1068.247+/-0.218 χ^2/NDF: 2871165.8/25

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: -39.098+/-697.595 χ^2/NDF:16.1/7

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

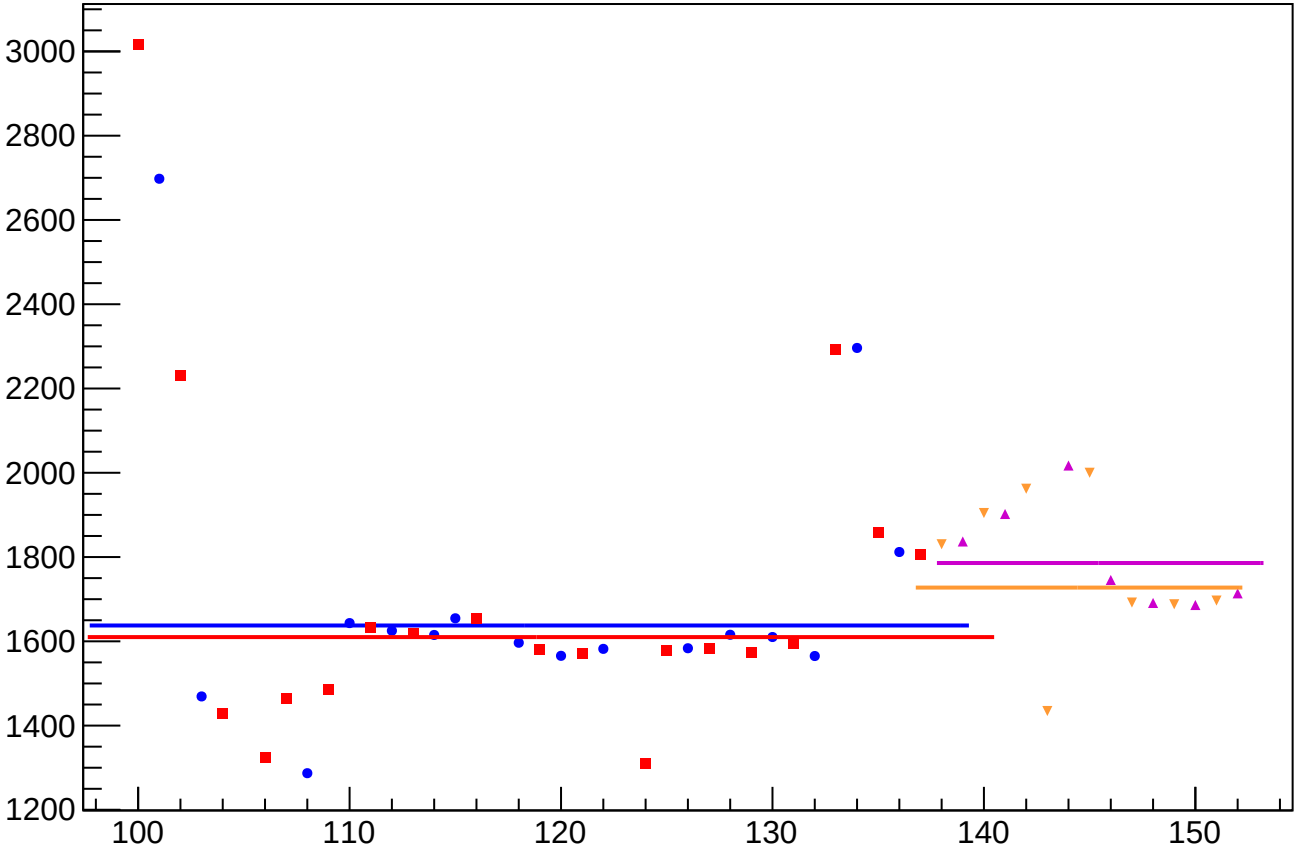
Left In: -418.080+/-722.236 χ^2/NDF:5.1/6

+ sign 617.045+/-462.264 χ^2/NDF: 32.6/23

All: 196.951+/-327.099 χ^2/NDF: 60.2/49

- sign -224.321+/-462.911 χ^2/NDF: 25.9/25

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1727.540+/-0.493 χ^2/NDF:132433.1/7

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

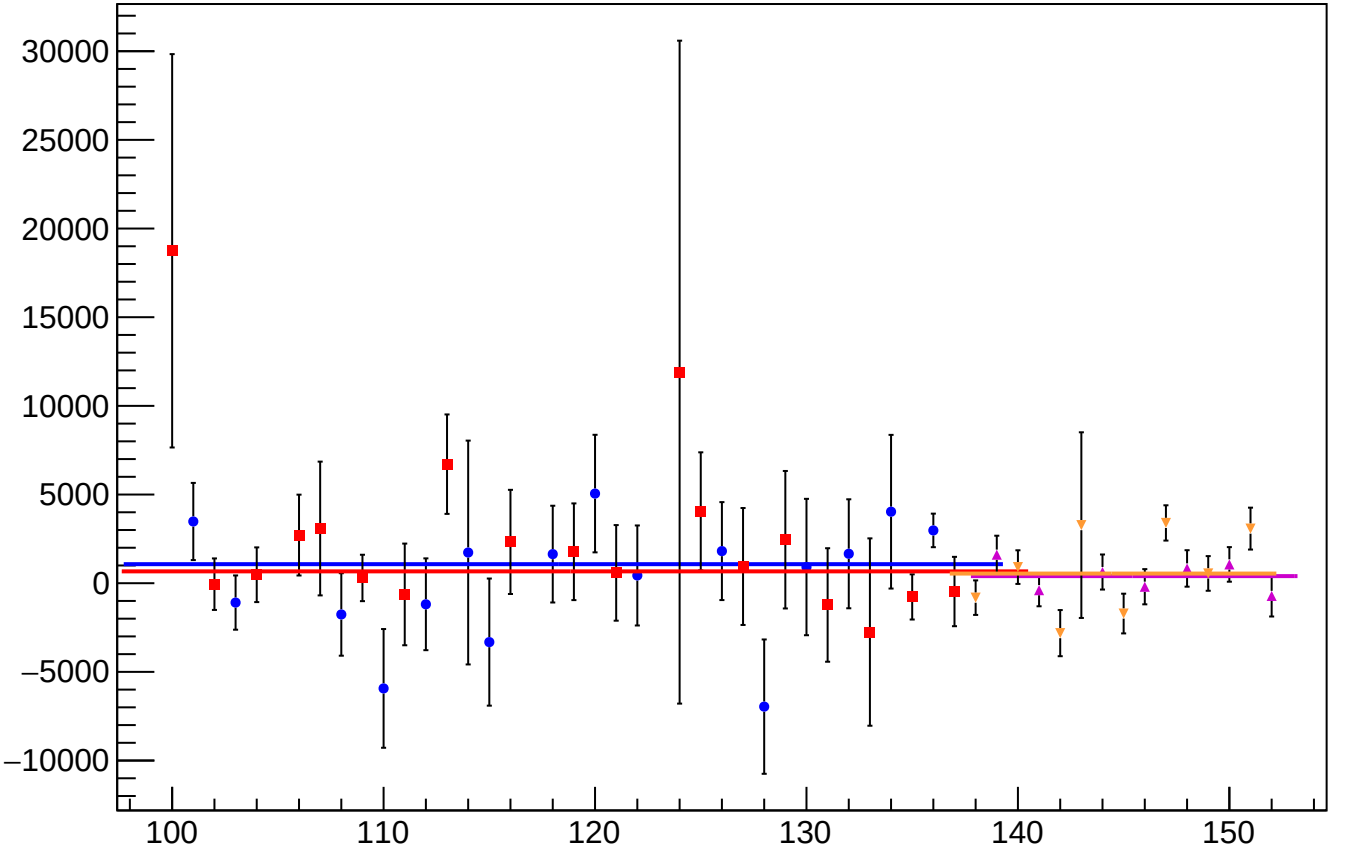
Left In: 1785.854+/-0.511 χ^2/NDF:47188.1/6

+ sign 1677.079+/-0.327 χ^2/NDF: 512507.8/23

All: 1679.669+/-0.231 χ^2/NDF: 910461.3/49

- sign 1682.267+/-0.327 χ^2/NDF: 397827.7/25

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 543.559+/-396.359 χ^2/NDF:25.9/7

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

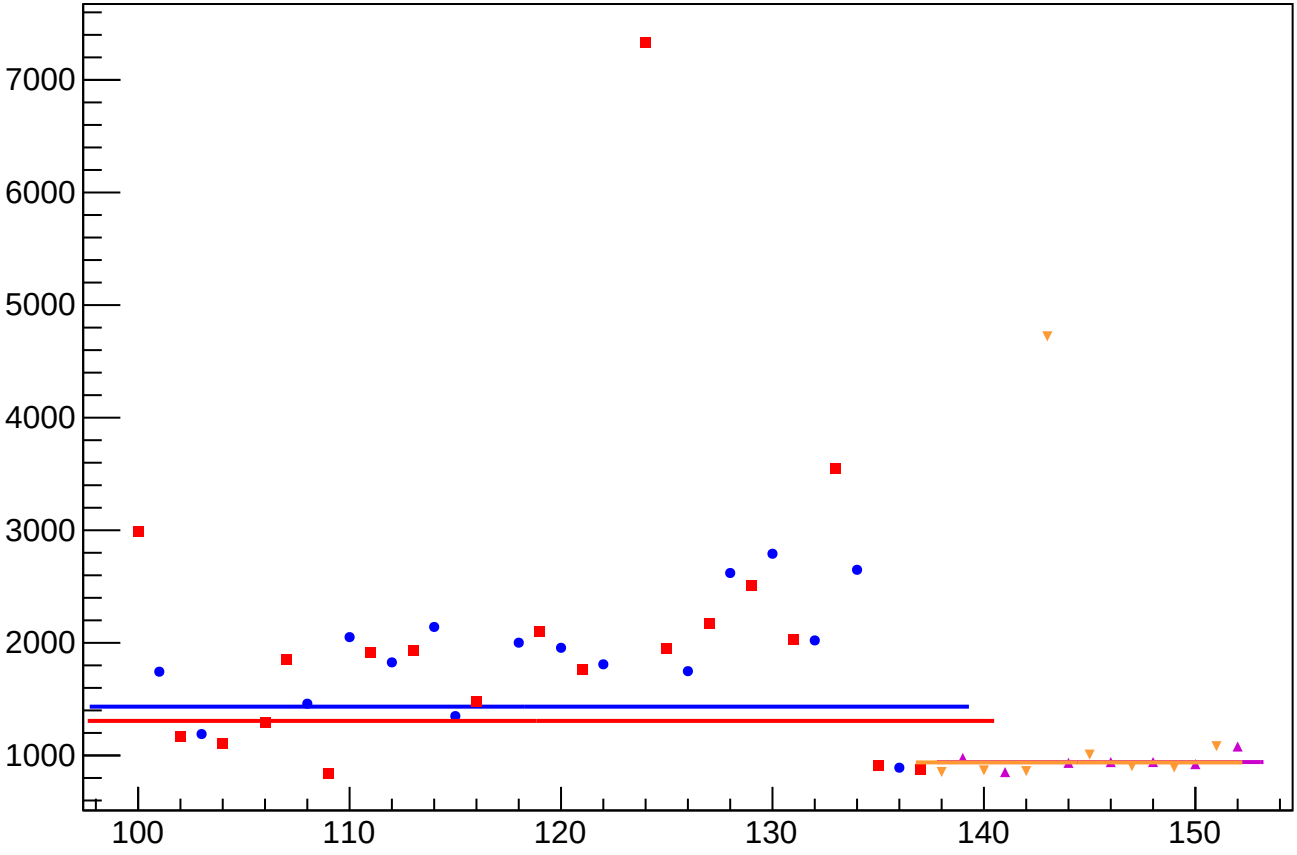
Left In: 400.151+/-381.763 χ^2/NDF:4.0/6

+ sign 715.657+/-325.716 χ^2/NDF: 48.5/23

All: 598.310+/-223.963 χ^2/NDF: 66.5/49

- sign 493.073+/-308.451 χ^2/NDF: 17.7/25

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 938.313+/-0.280 χ^2/NDF:1122434.9/7

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

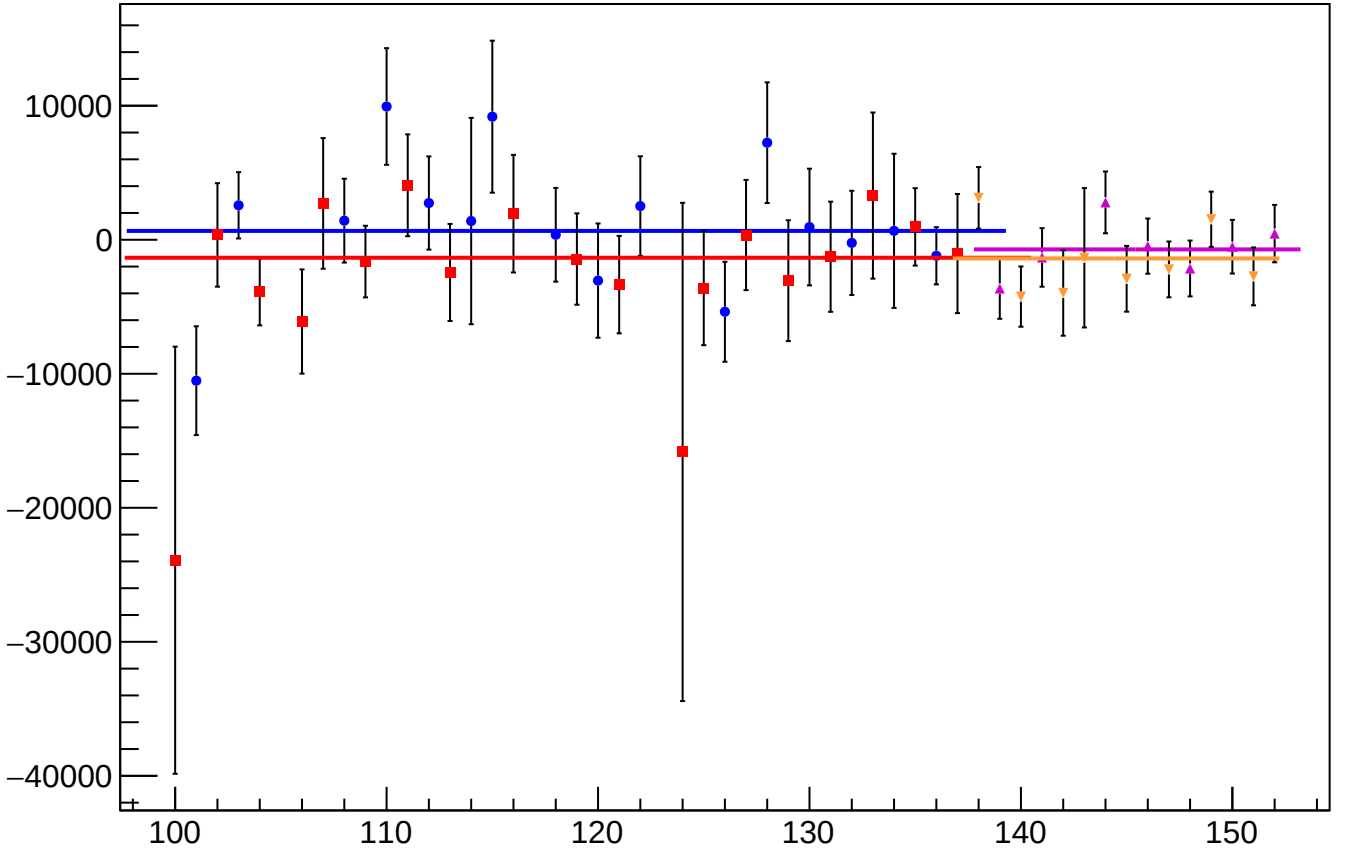
Left In: 941.337+/-0.270 χ^2/NDF:50663.7/6

+ sign 1099.095+/-0.230 χ^2/NDF: 3899396.2/23

All: 1082.834+/-0.158 χ^2/NDF: 6779982.4/49

- sign 1068.251+/-0.218 χ^2/NDF: 2871131.0/25

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1392.469+/-854.658 χ^2/NDF:9.1/7

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

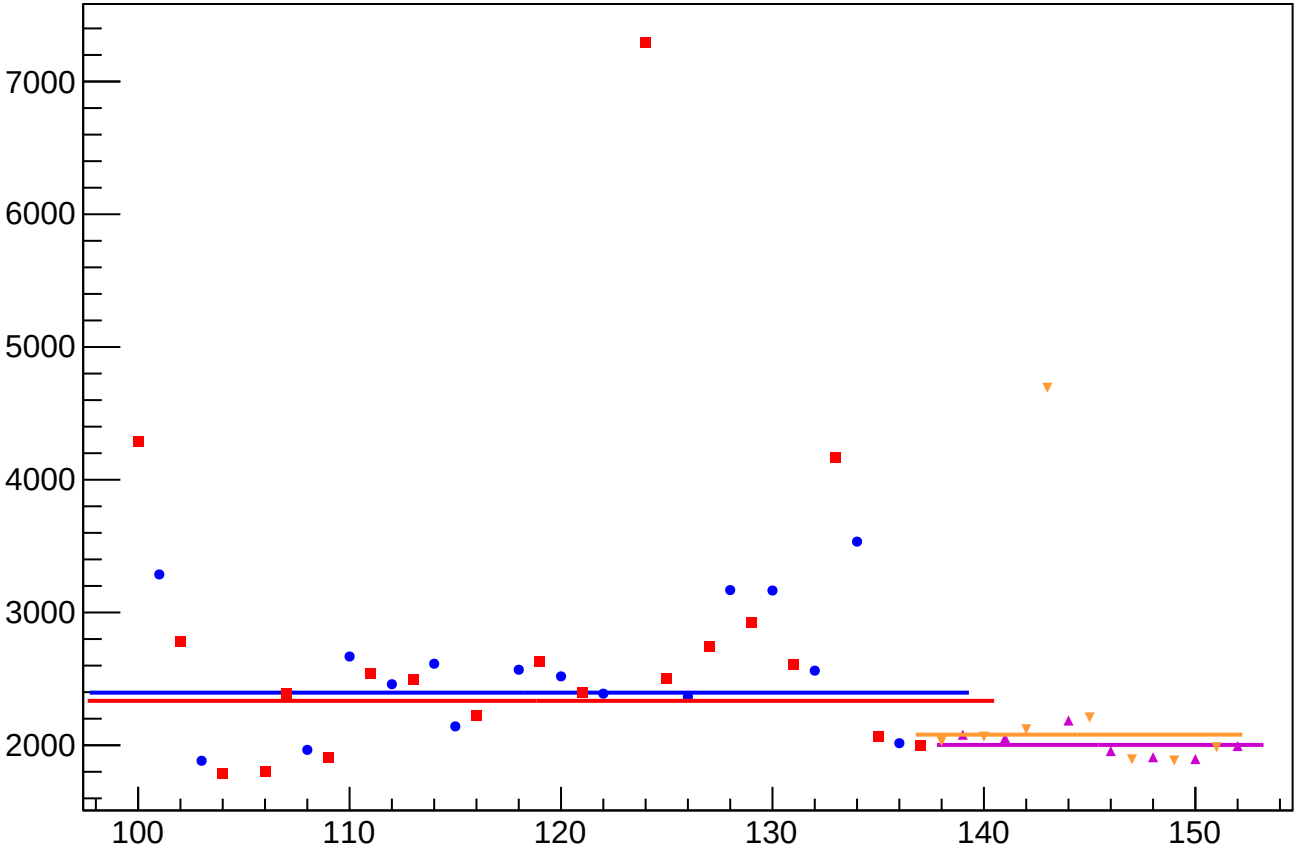
Left In: -718.938+/-809.195 χ^2/NDF:4.8/6

+ sign -430.310+/-622.843 χ^2/NDF: 33.7/23

All: -726.684+/-431.701 χ^2/NDF: 50.1/49

- sign -1000.705+/-598.896 χ^2/NDF: 15.9/25

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2080.021+/-0.604 χ^2/NDF:549749.9/7

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

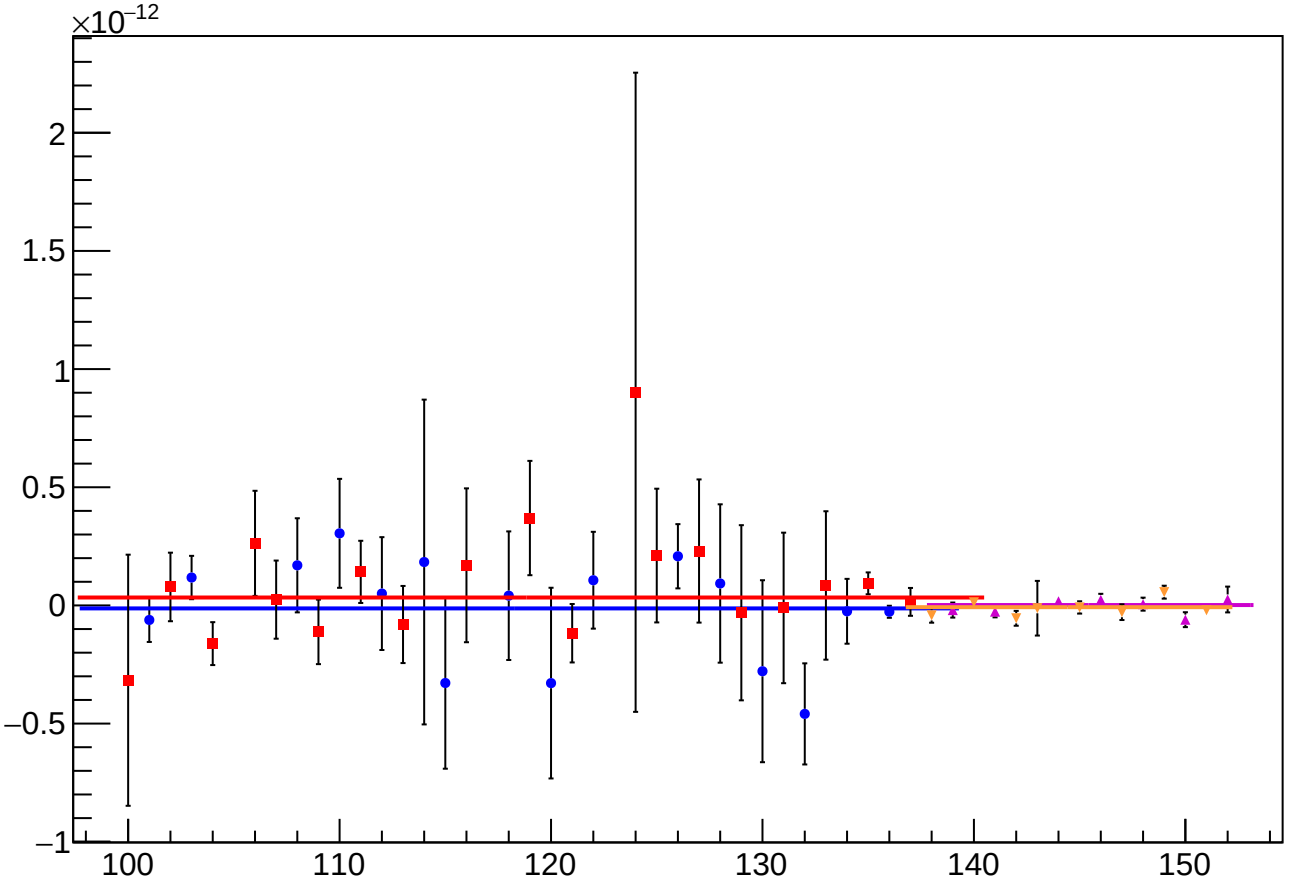
Left In: 2002.397+/-0.572 χ^2/NDF:26806.2/6

+ sign 2228.315+/-0.440 χ^2/NDF: 1186059.0/23

All: 2188.988+/-0.305 χ^2/NDF: 2062211.4/49

- sign 2152.628+/-0.423 χ^2/NDF: 860806.9/25

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:11.0/7

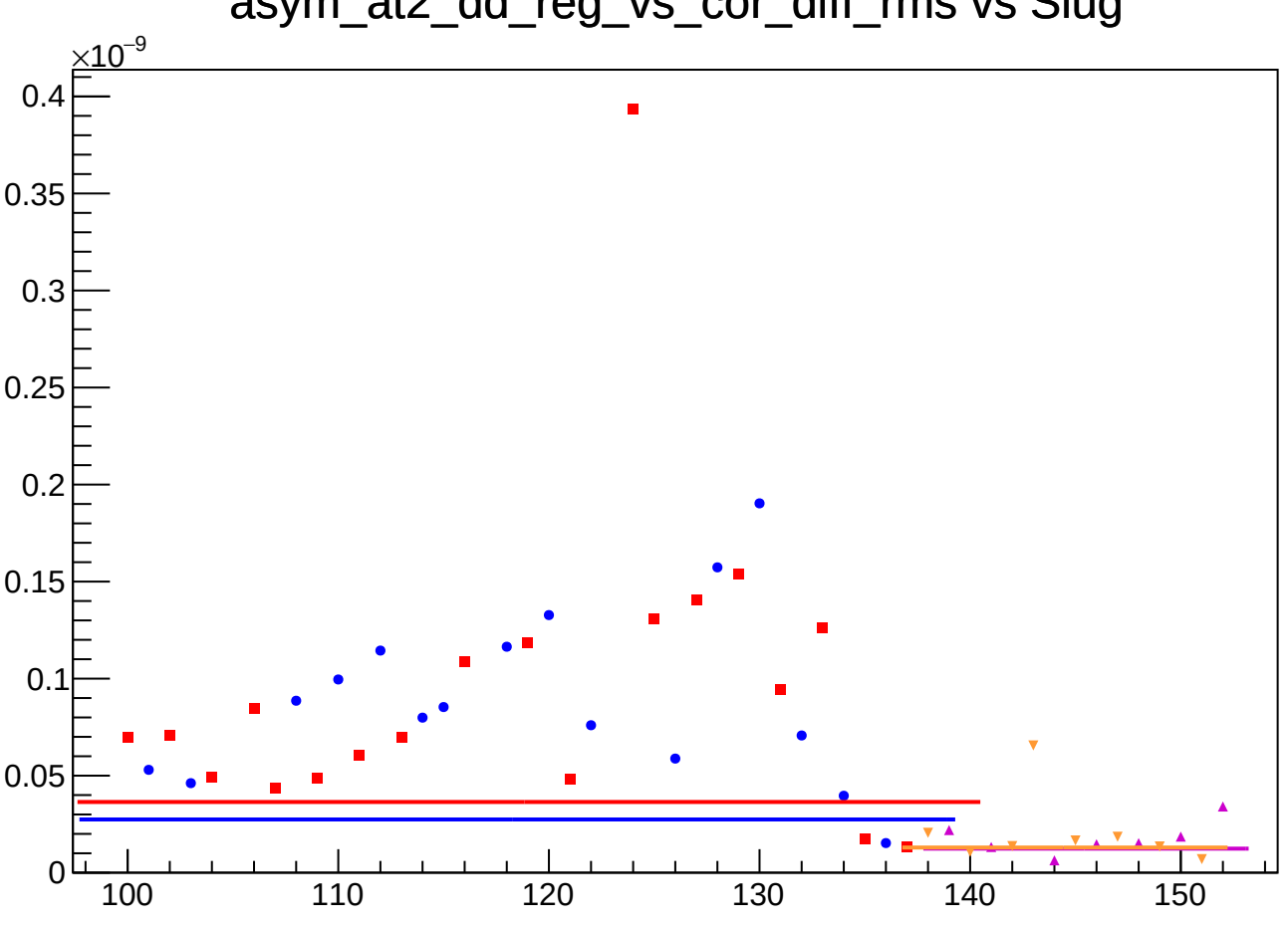
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 25.8/23

All: -0.000+/-0.000 χ^2/NDF: 51.2/49

- sign 0.000+/-0.000 χ^2/NDF: 24.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:866768.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

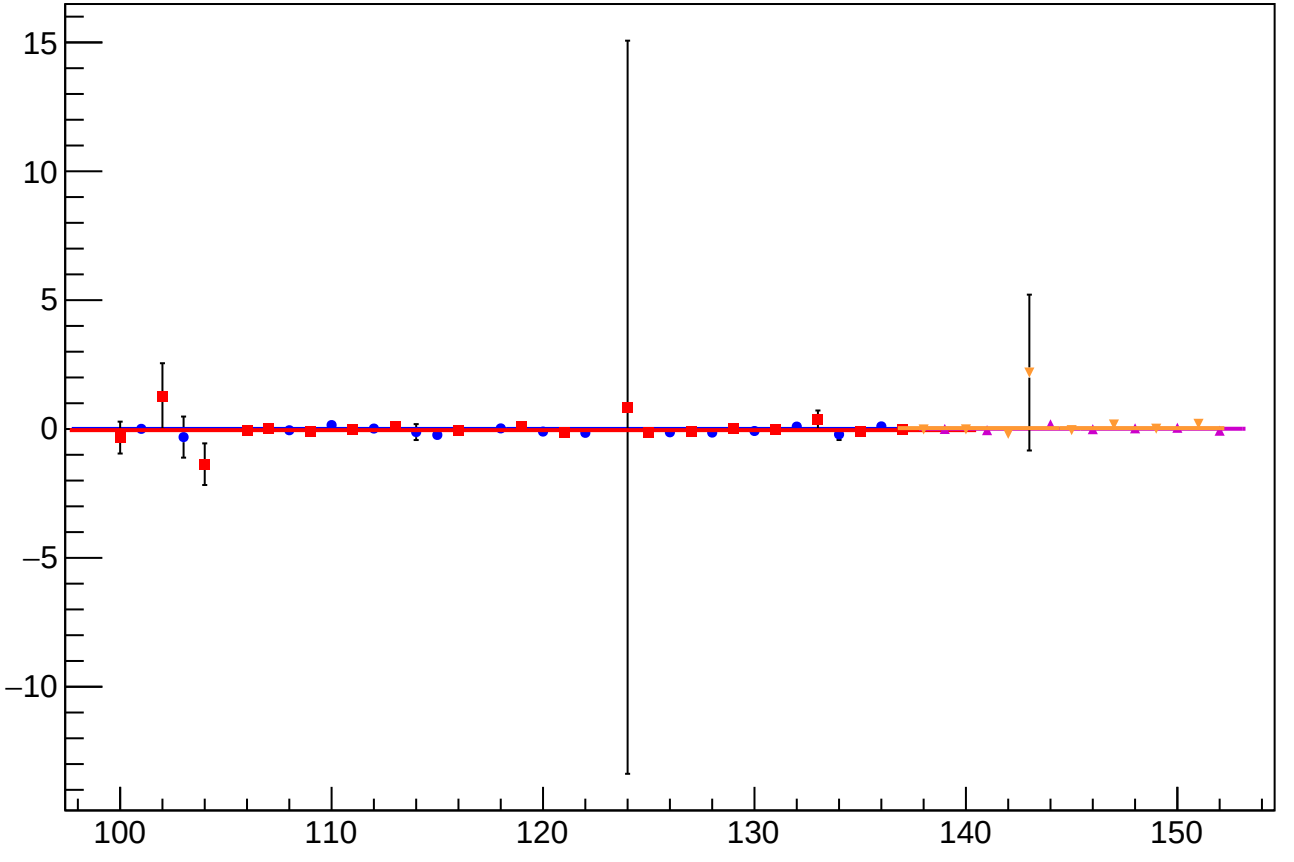
Left In: 0.000+/-0.000 χ^2/NDF:995604.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 4317957.8/23

All: 0.000+/-0.000 χ^2/NDF: 9093816.8/49

- sign 0.000+/-0.000 χ^2/NDF: 4773159.0/25

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.035+/-0.026 χ^2/NDF:14.5/7

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

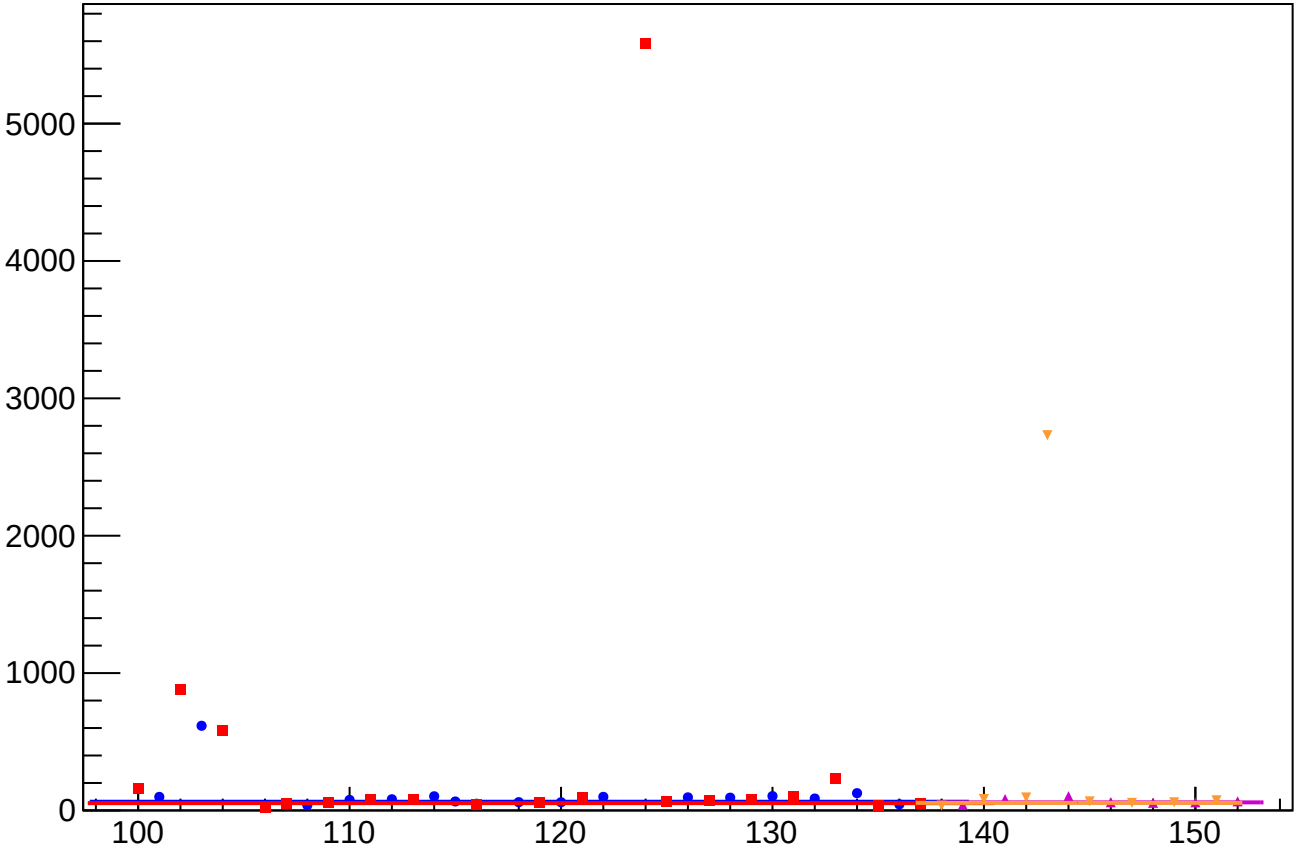
Left In: 0.010+/-0.026 χ^2/NDF:4.2/6

+ sign 0.020+/-0.019 χ^2/NDF: 28.5/23

All: -0.000+/-0.013 χ^2/NDF: 49.6/49

- sign -0.018+/-0.018 χ^2/NDF: 19.1/25

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.253+/-0.019 χ^2/NDF:2452878.1/7

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

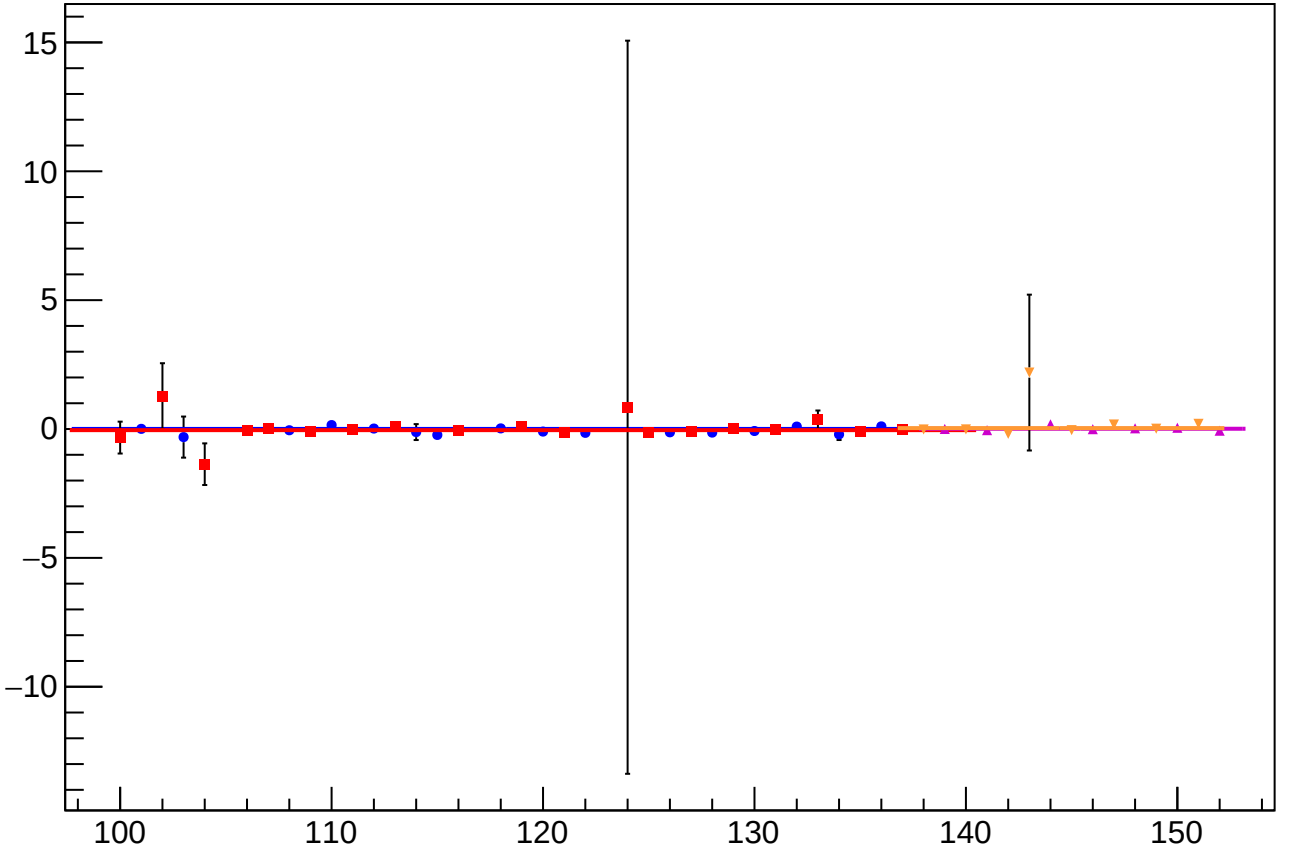
Left In: 58.764+/-0.018 χ^2/NDF:751102.2/6

+ sign 59.225+/-0.013 χ^2/NDF: 4991799.5/23

All: 57.449+/-0.009 χ^2/NDF: 9769688.1/49

- sign 55.843+/-0.013 χ^2/NDF: 4744383.8/25

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: 0.035+/-0.026 χ^2/NDF:14.5/7

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

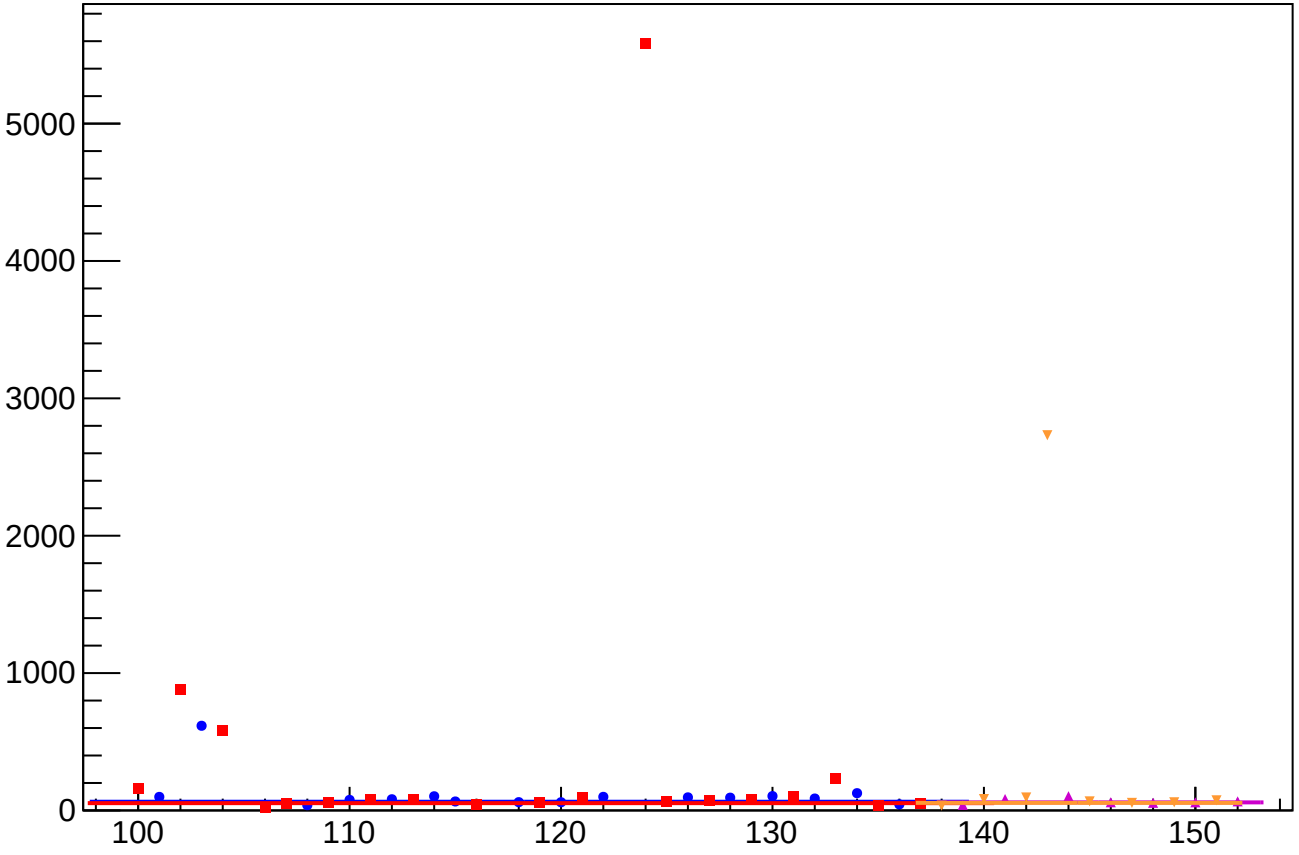
Left In: 0.010+/-0.026 χ^2/NDF:4.2/6

+ sign 0.020+/-0.019 χ^2/NDF: 28.5/23

All: -0.000+/-0.013 χ^2/NDF: 49.6/49

- sign -0.018+/-0.018 χ^2/NDF: 19.1/25

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: 55.253+/-0.019 χ^2/NDF:2452878.1/7

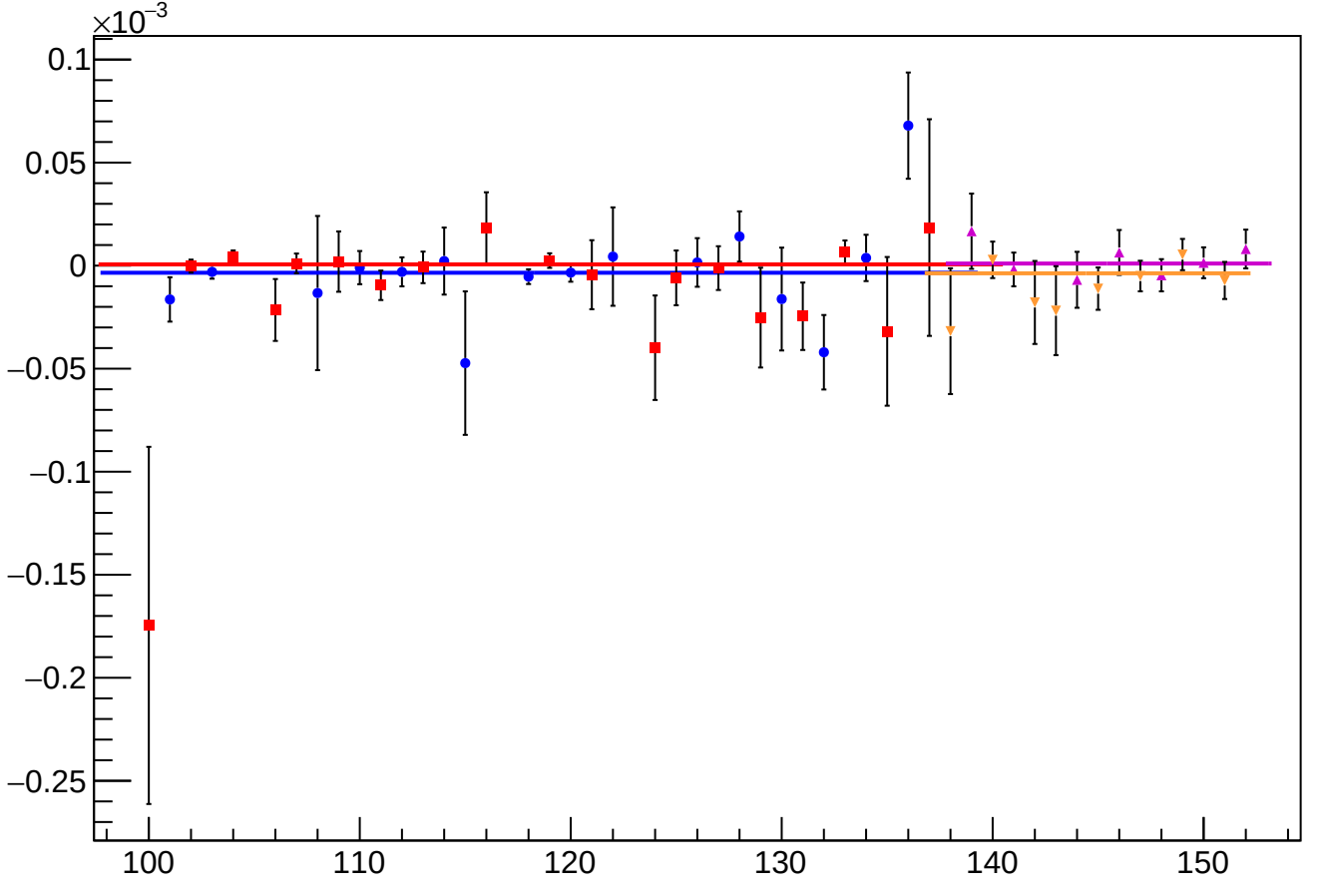
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 58.764+/-0.018 χ^2/NDF:751102.2/6

+ sign 59.225+/-0.013 χ^2/NDF: 4991799.5/23

All: 57.449+/-0.009 χ^2/NDF: 9769688.1/49

- sign 55.843+/-0.013 χ^2/NDF: 4744383.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/7

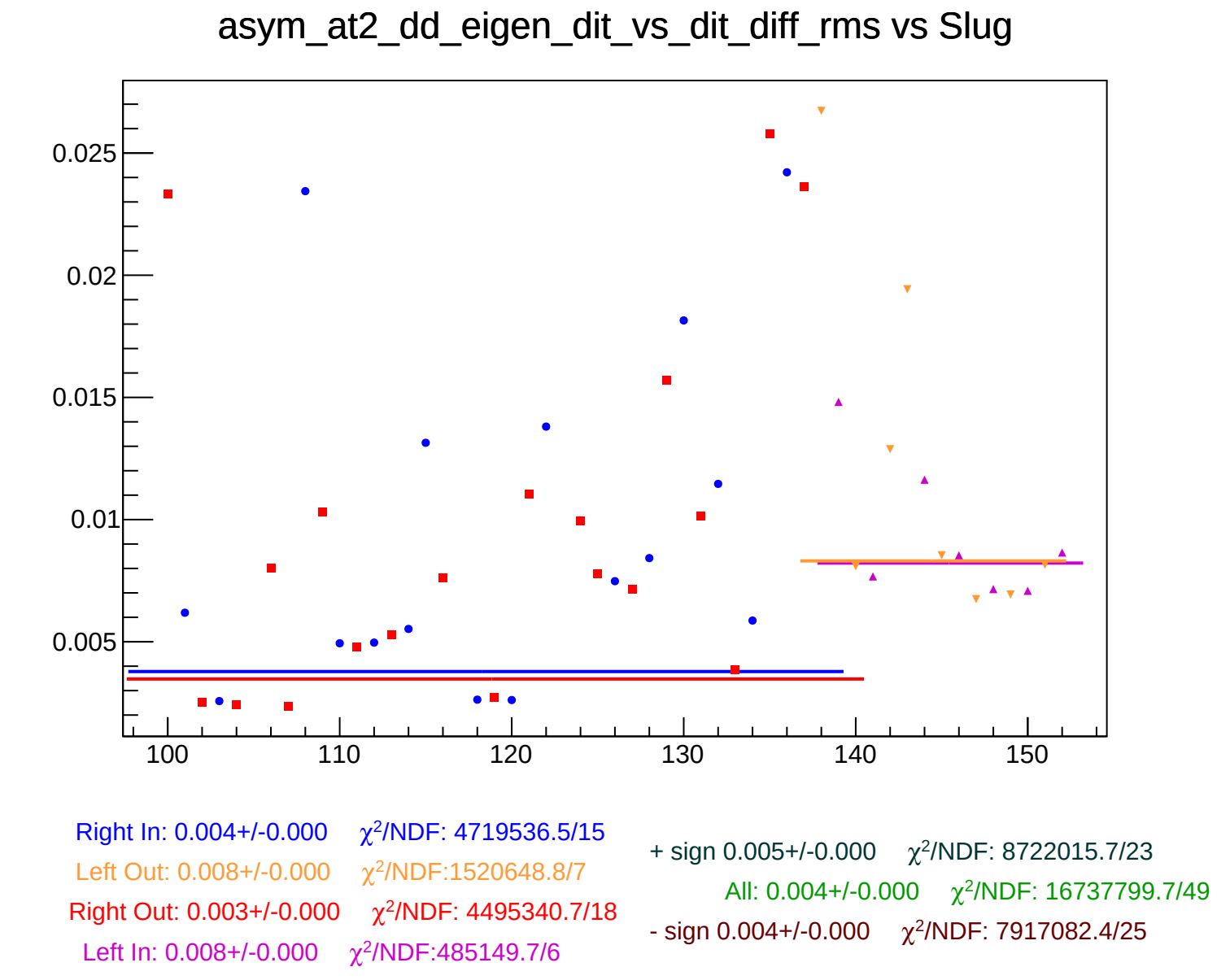
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/6

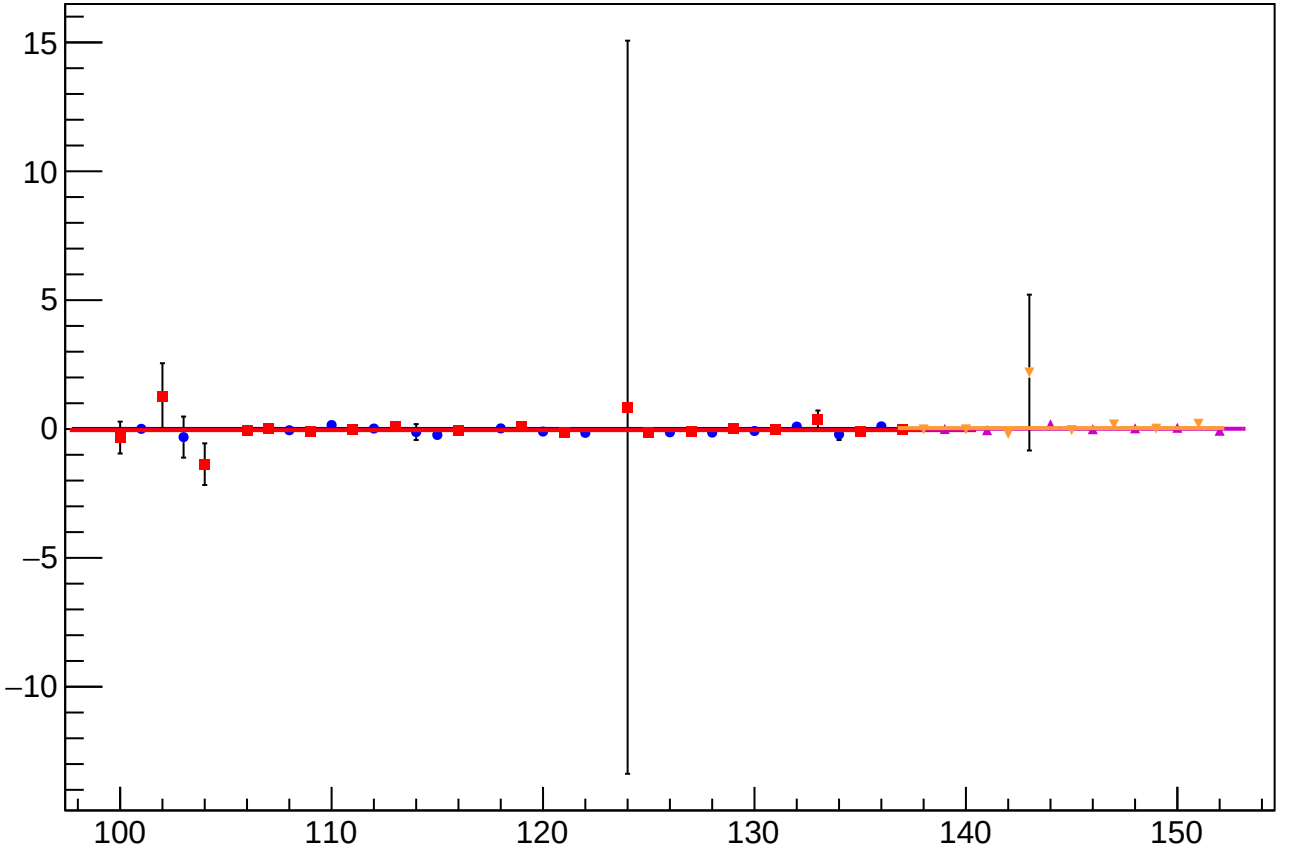
+ sign -0.000+/-0.000 χ^2/NDF: 23.6/23

All: -0.000+/-0.000 χ^2/NDF: 49.0/49

- sign 0.000+/-0.000 χ^2/NDF: 21.7/25


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:1520648.8/7
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.008+/-0.000 χ²/NDF:485149.7/6
+ sign 0.005+/-0.000 χ²/NDF: 8722015.7/23
All: 0.004+/-0.000 χ²/NDF: 16737799.7/49
- sign 0.004+/-0.000 χ²/NDF: 7917082.4/25

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: 0.035+/-0.026 χ^2/NDF:14.5/7

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

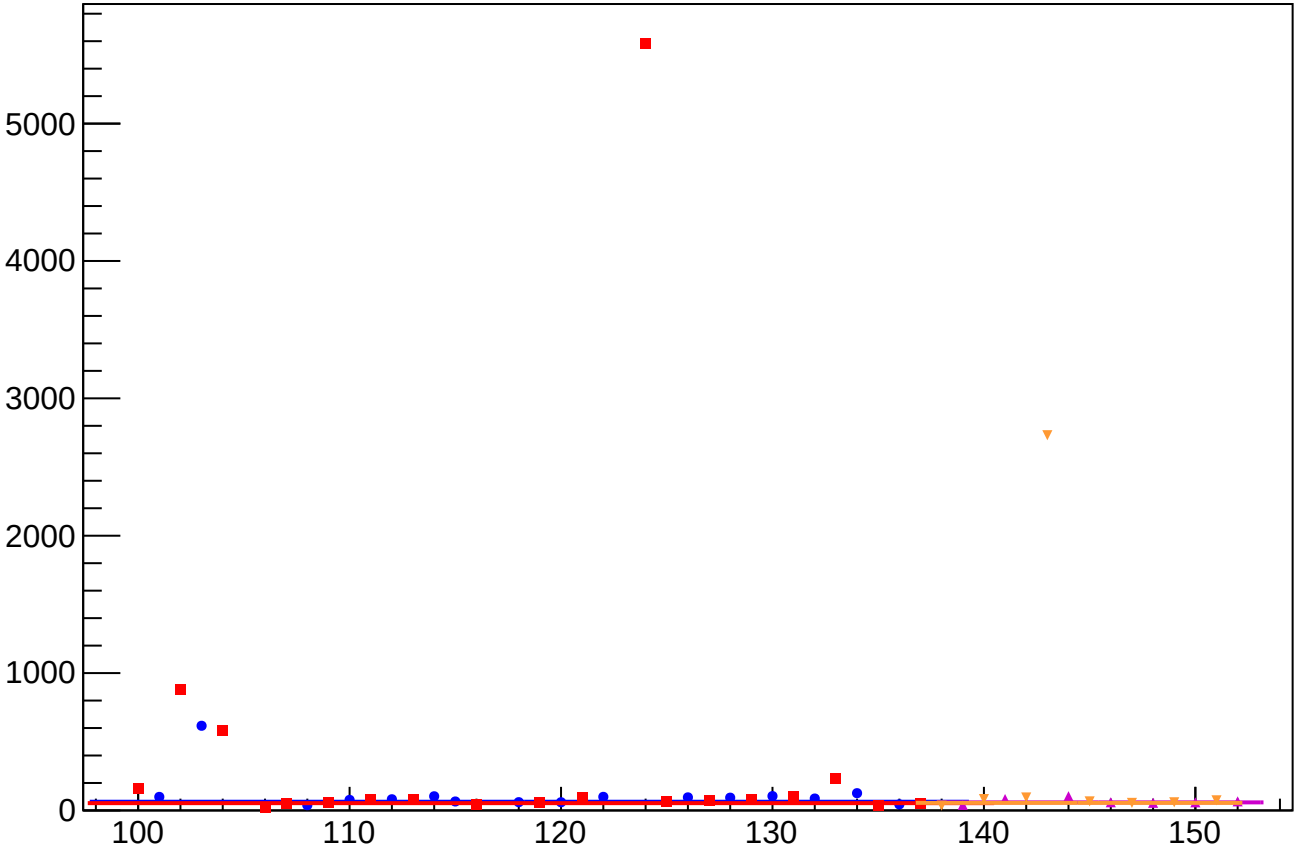
Left In: 0.010+/-0.026 χ^2/NDF:4.2/6

+ sign 0.020+/-0.019 χ^2/NDF: 28.5/23

All: -0.000+/-0.013 χ^2/NDF: 49.6/49

- sign -0.018+/-0.018 χ^2/NDF: 19.1/25

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: 55.251+/-0.019 χ^2/NDF:2452812.1/7

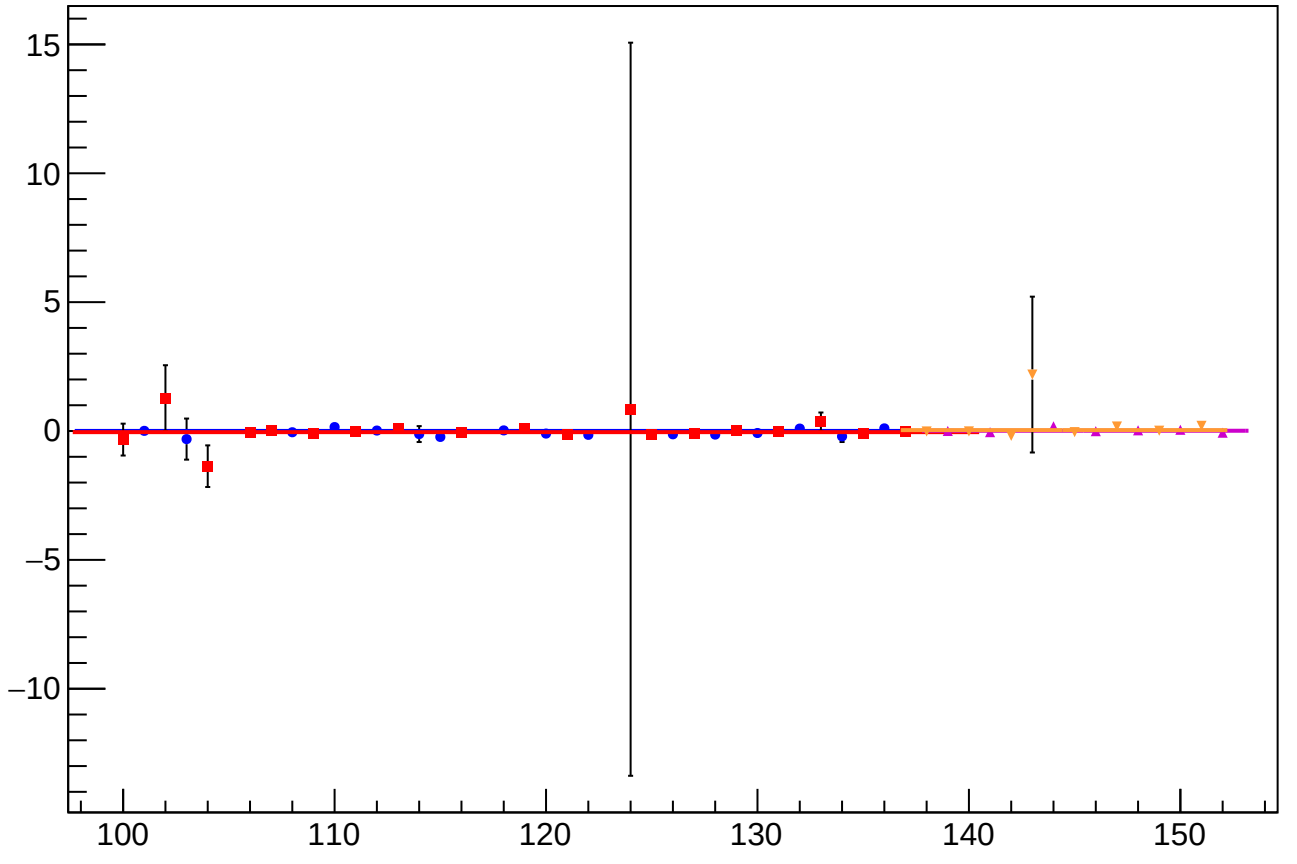
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 58.768+/-0.018 χ^2/NDF:750771.9/6

+ sign 59.228+/-0.013 χ^2/NDF: 4991082.8/23

All: 57.449+/-0.009 χ^2/NDF: 9769416.5/49

- sign 55.841+/-0.013 χ^2/NDF: 4744752.3/25



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.035+/-0.026 χ^2/NDF:14.5/7

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

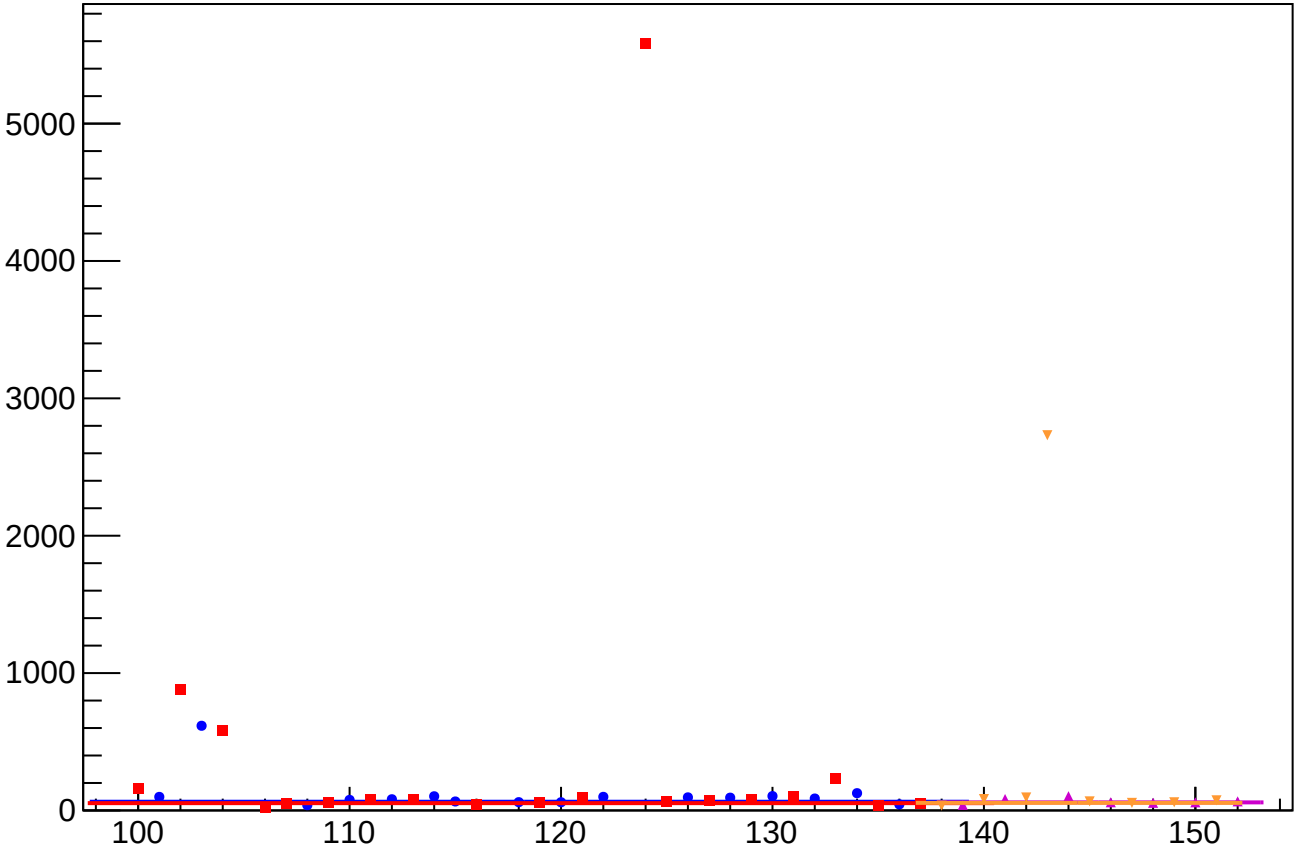
Left In: 0.010+/-0.026 χ^2/NDF:4.2/6

+ sign 0.020+/-0.019 χ^2/NDF: 28.5/23

All: -0.000+/-0.013 χ^2/NDF: 49.6/49

- sign -0.018+/-0.018 χ^2/NDF: 19.1/25

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: 55.251+/-0.019 χ^2/NDF:2452812.1/7

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

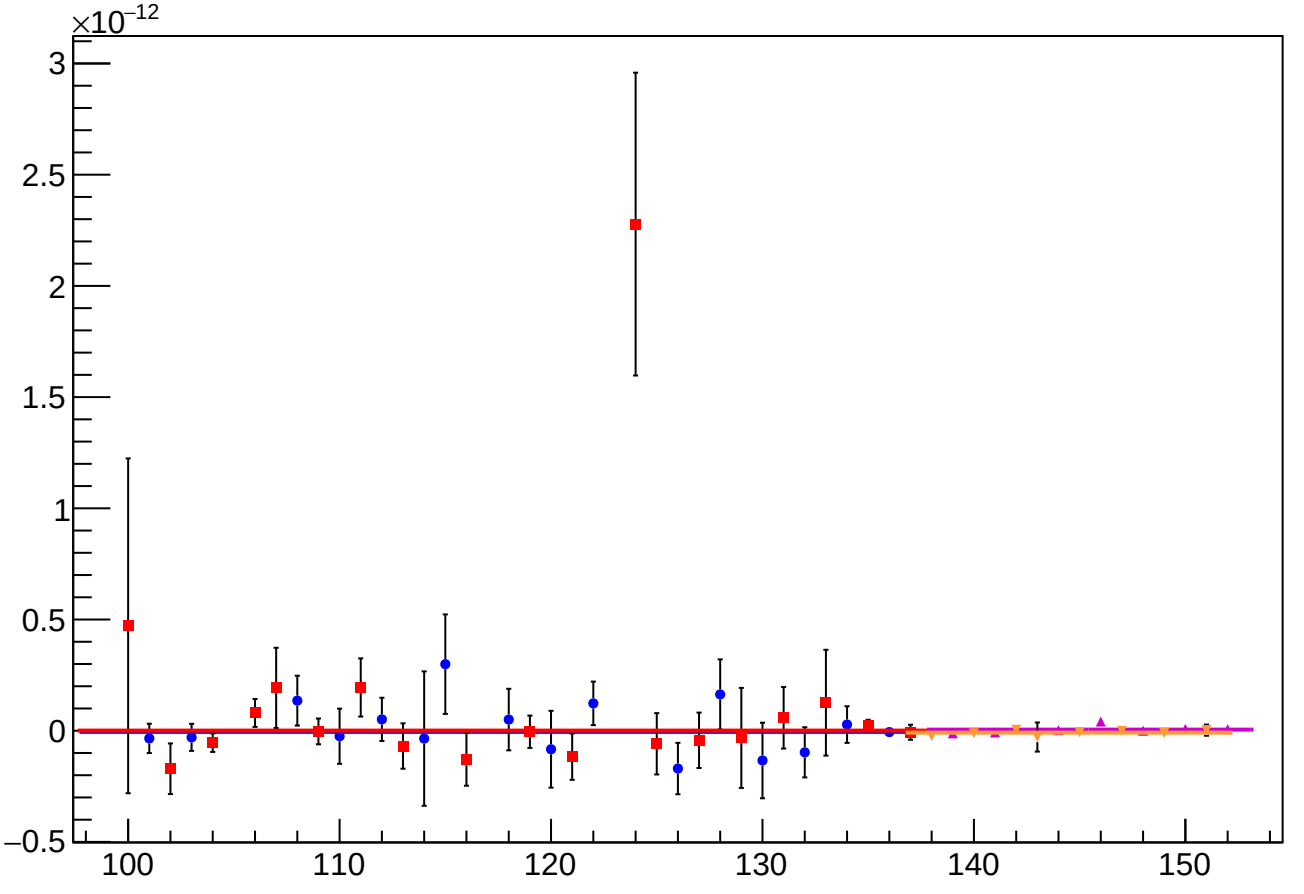
Left In: 58.768+/-0.018 χ^2/NDF:750771.9/6

+ sign 59.228+/-0.013 χ^2/NDF: 4991082.8/23

All: 57.449+/-0.009 χ^2/NDF: 9769416.5/49

- sign 55.841+/-0.013 χ^2/NDF: 4744752.3/25

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:2.1/7

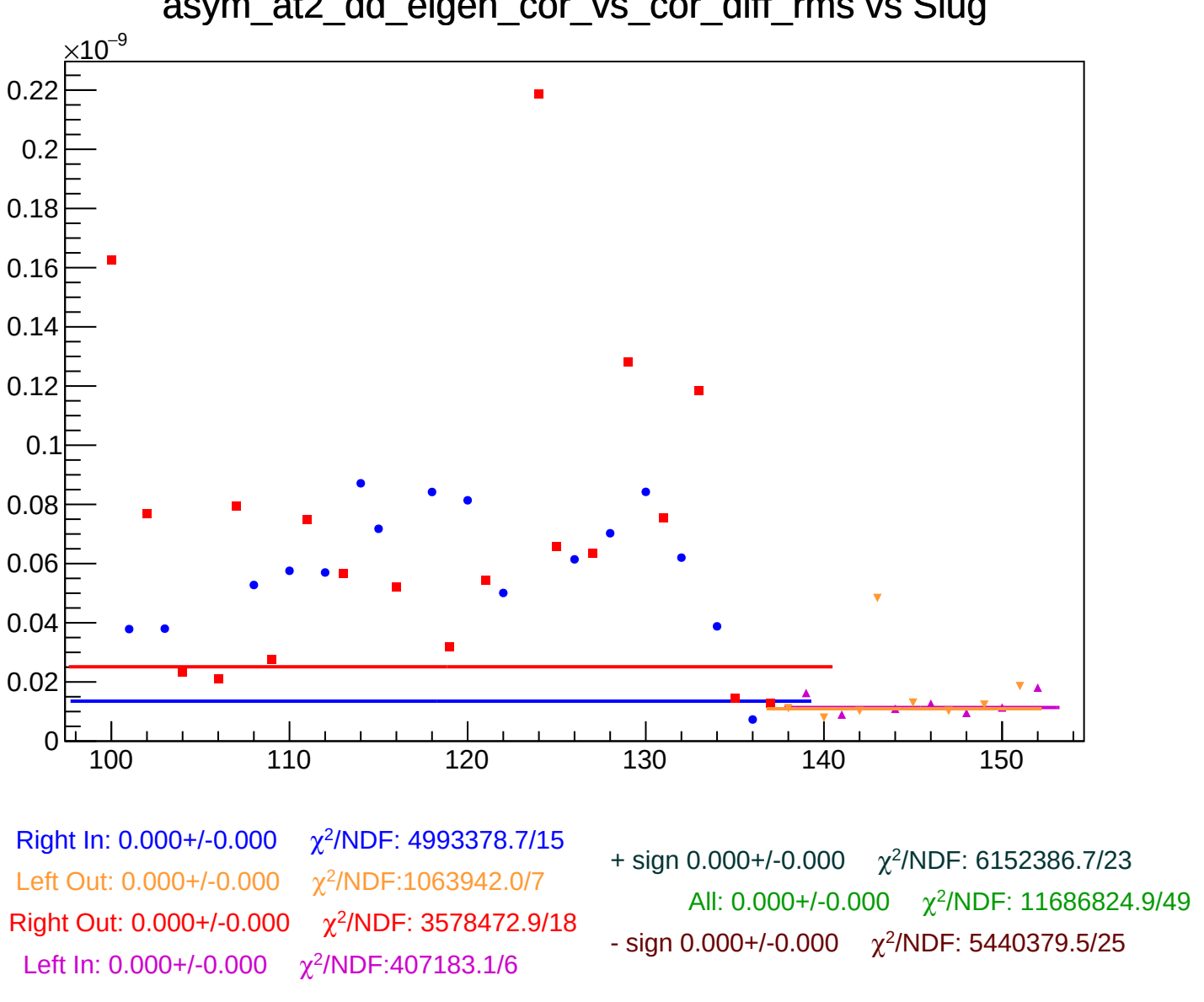
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/6

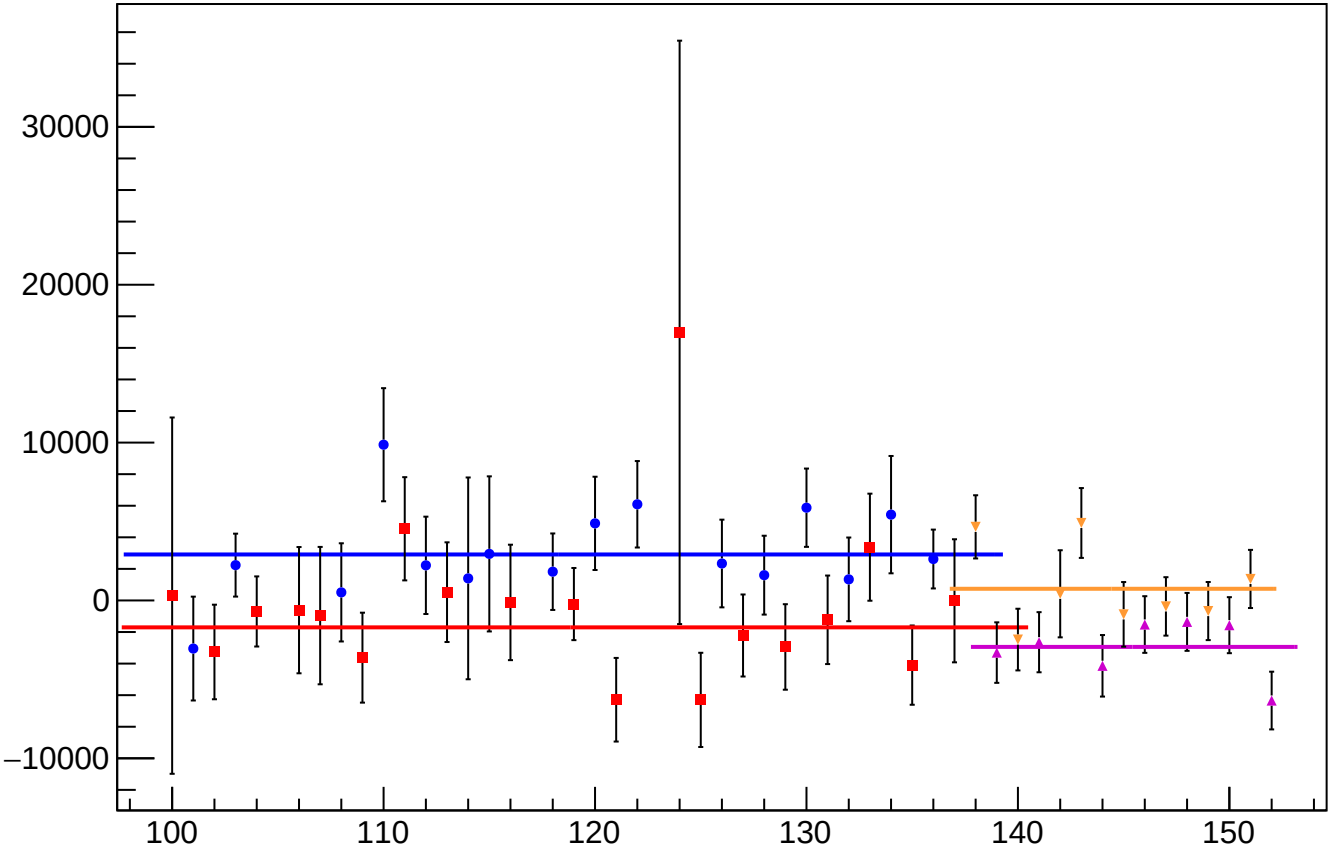
+ sign -0.000+/-0.000 χ^2/NDF: 13.0/23

All: -0.000+/-0.000 χ^2/NDF: 47.9/49

- sign 0.000+/-0.000 χ^2/NDF: 32.2/25


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:1063942.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 3578472.9/18
Left In: 0.000+/-0.000 χ²/NDF:407183.1/6
+ sign 0.000+/-0.000 χ²/NDF: 6152386.7/23
All: 0.000+/-0.000 χ²/NDF: 11686824.9/49
- sign 0.000+/-0.000 χ²/NDF: 5440379.5/25

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 739.429+/-712.889 χ^2/NDF:11.8/7

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

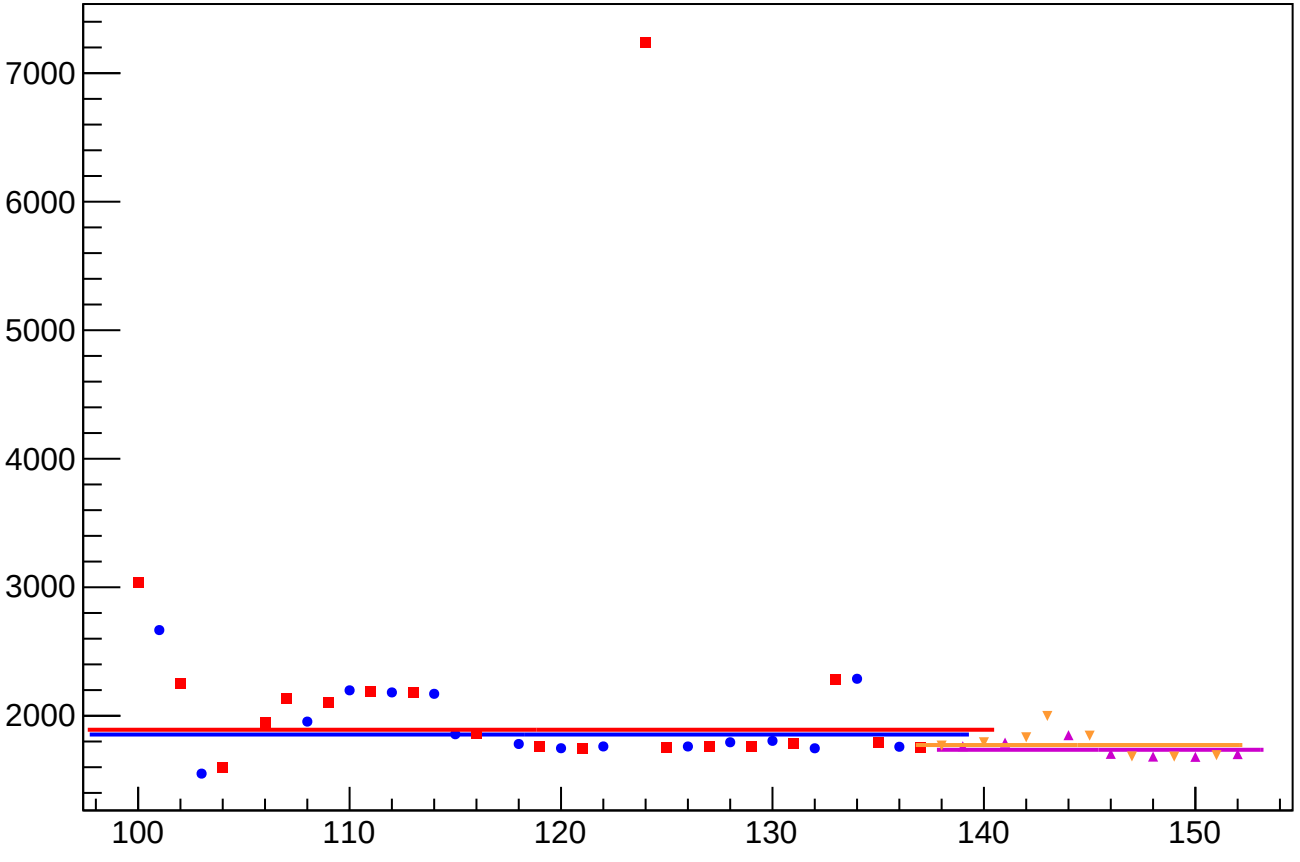
Left In: -2942.665+/-700.877 χ^2/NDF:5.9/6

+ sign 1853.727+/-497.666 χ^2/NDF: 29.0/23

All: -237.546+/-351.912 χ^2/NDF: 87.6/49

- sign -2329.033+/-497.692 χ^2/NDF: 23.2/25

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1772.596+/-0.504 χ^2/NDF:37694.0/7

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

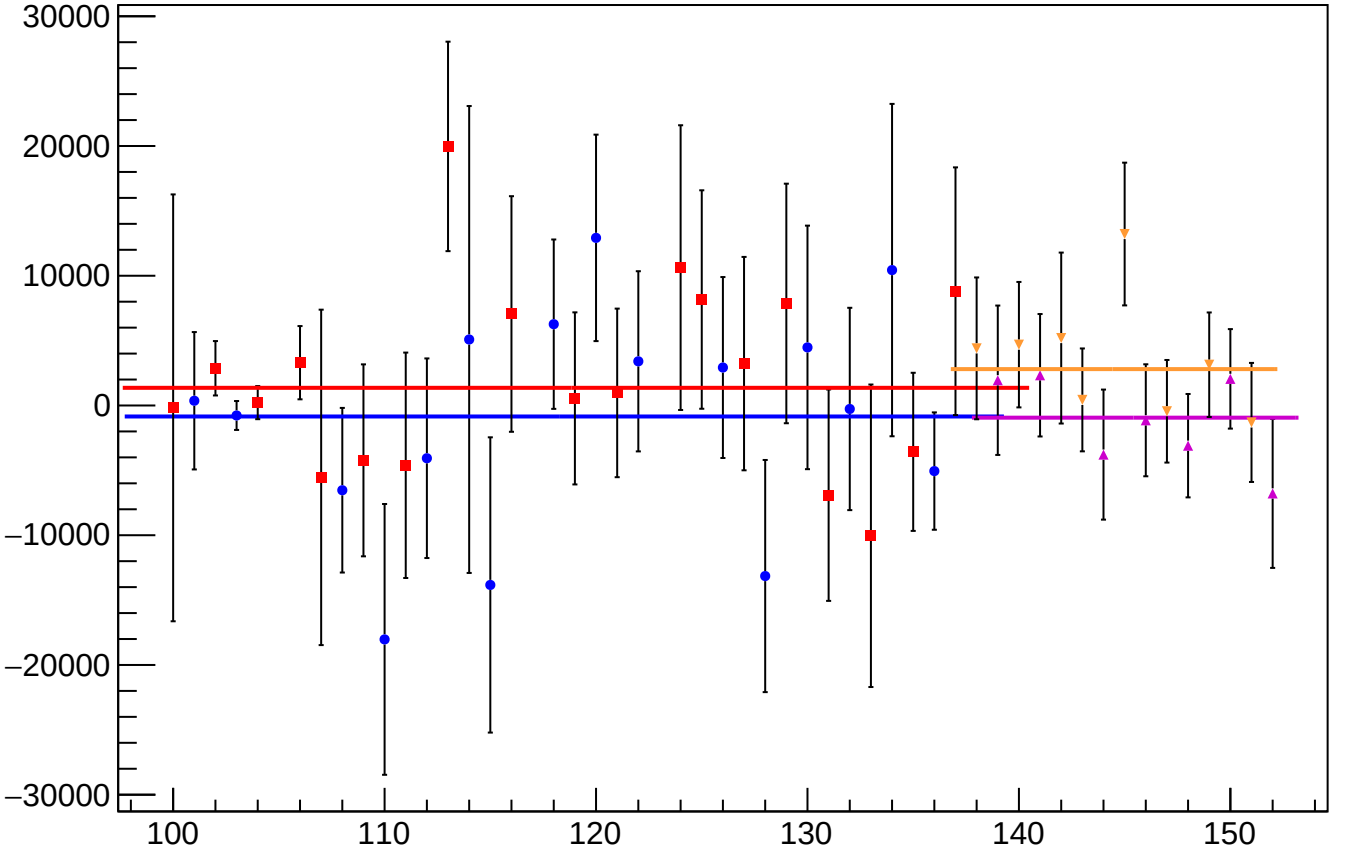
Left In: 1735.602+/-0.496 χ^2/NDF:13820.2/6

+ sign 1814.489+/-0.352 χ^2/NDF: 314489.1/23

All: 1813.771+/-0.249 χ^2/NDF: 741520.3/49

- sign 1813.055+/-0.352 χ^2/NDF: 427022.9/25

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 2803.734+/-1646.101 χ^2/NDF:5.8/7

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

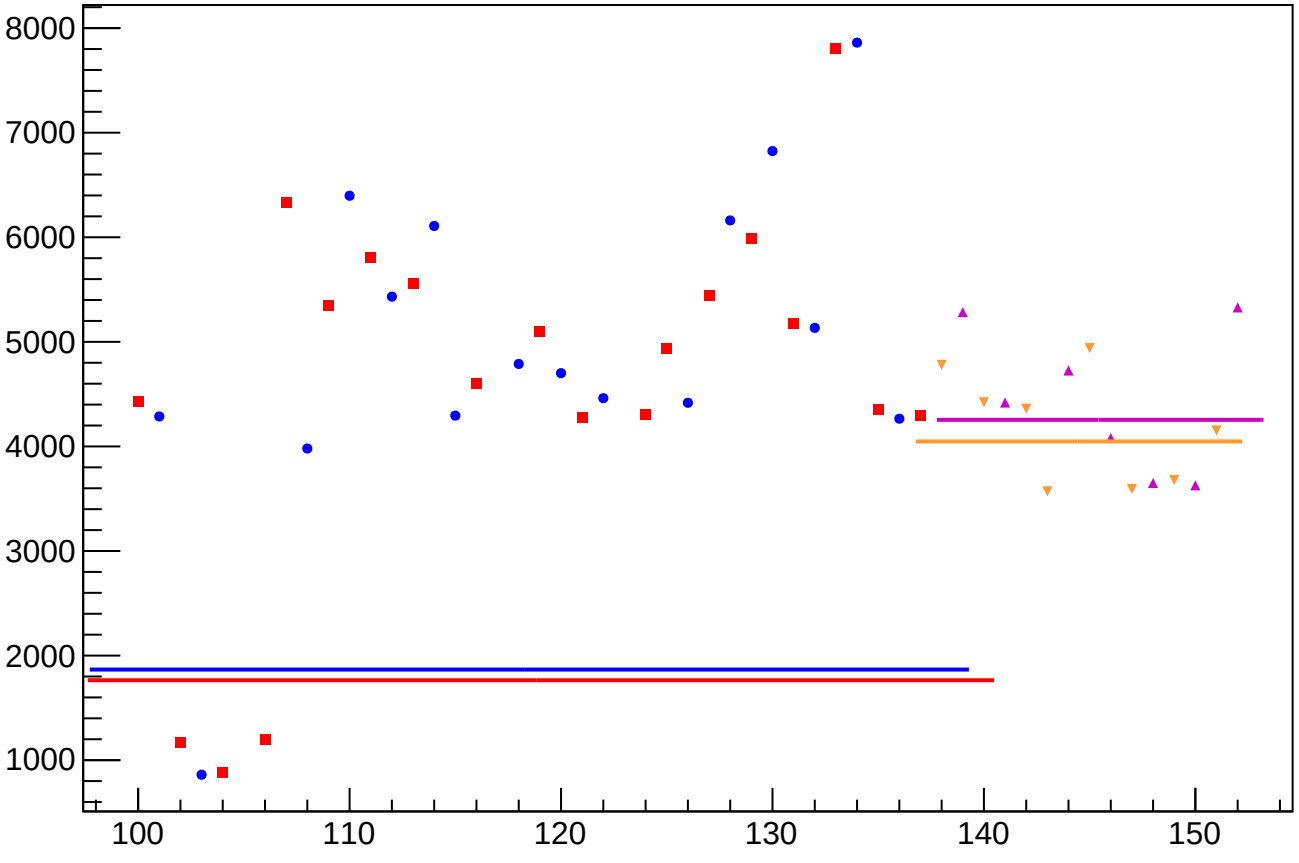
Left In: -939.290+/-1741.058 χ^2/NDF:3.0/6

+ sign 83.023+/-831.157 χ^2/NDF: 23.3/23

All: 482.670+/-580.312 χ^2/NDF: 42.2/49

- sign 862.791+/-810.599 χ^2/NDF: 18.4/25

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4047.837+/-1.164 χ^2/NDF:178341.0/7

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

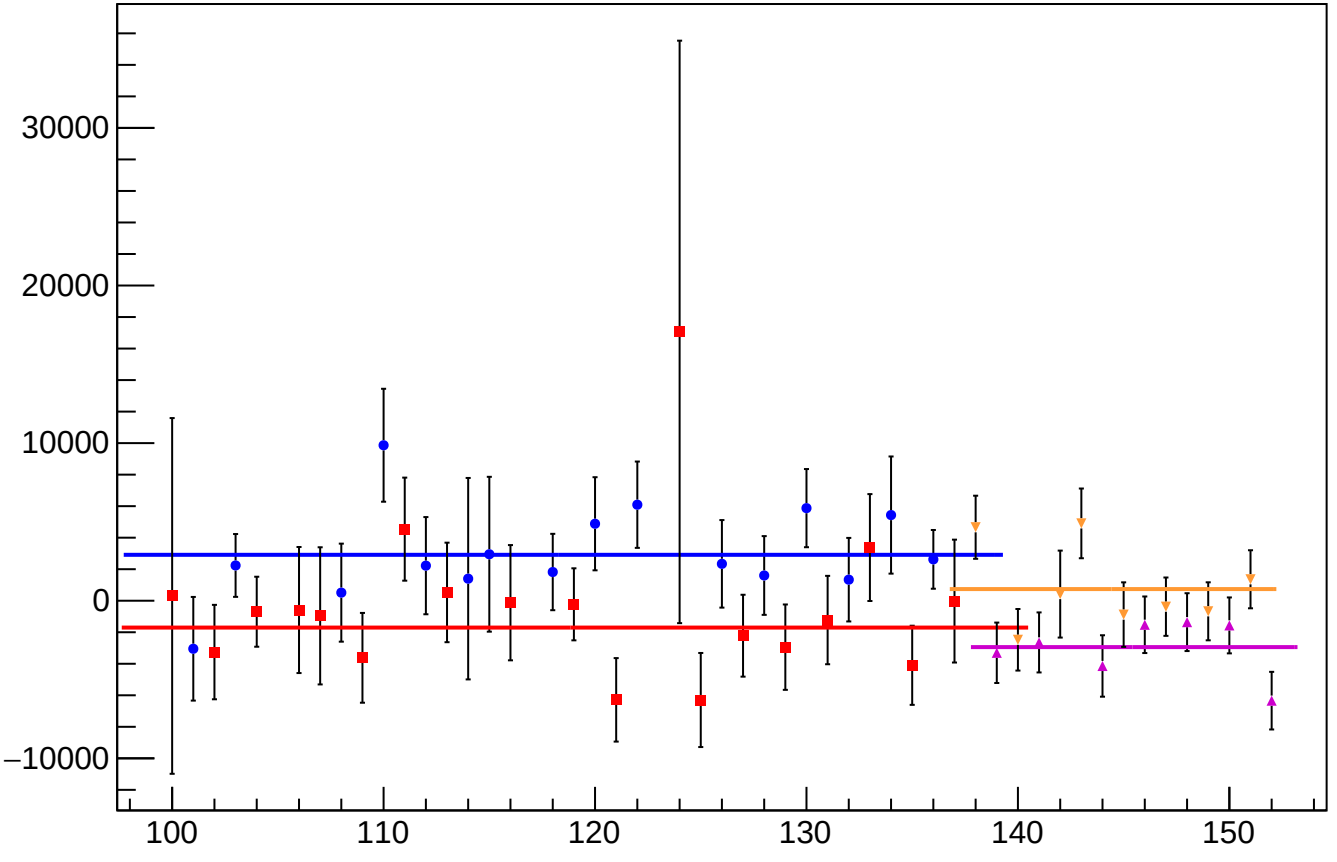
Left In: 4254.330+/-1.231 χ^2/NDF:256785.1/6

+ sign 2422.559+/-0.588 χ^2/NDF: 9644875.6/23

All: 2361.812+/-0.410 χ^2/NDF: 19561455.9/4

- sign 2304.033+/-0.573 χ^2/NDF: 9895735.2/25

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 739.231+/-712.889 χ^2/NDF:11.8/7

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

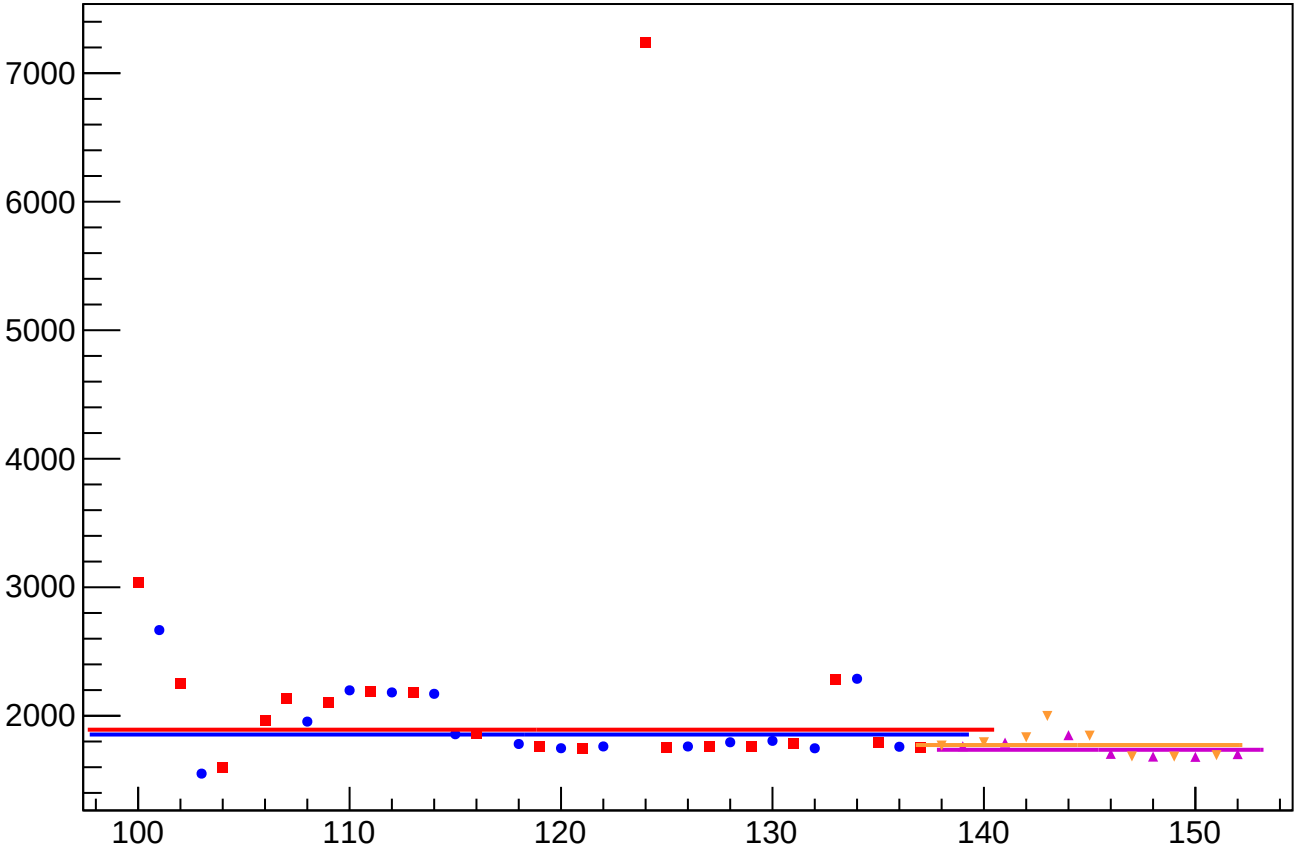
Left In: -2942.831+/-700.877 χ^2/NDF:5.9/6

+ sign 1853.682+/-497.666 χ^2/NDF: 29.0/23

All: -237.267+/-351.912 χ^2/NDF: 87.6/49

- sign -2328.433+/-497.692 χ^2/NDF: 23.2/25

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1772.596+/-0.504 χ^2/NDF:37694.0/7

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

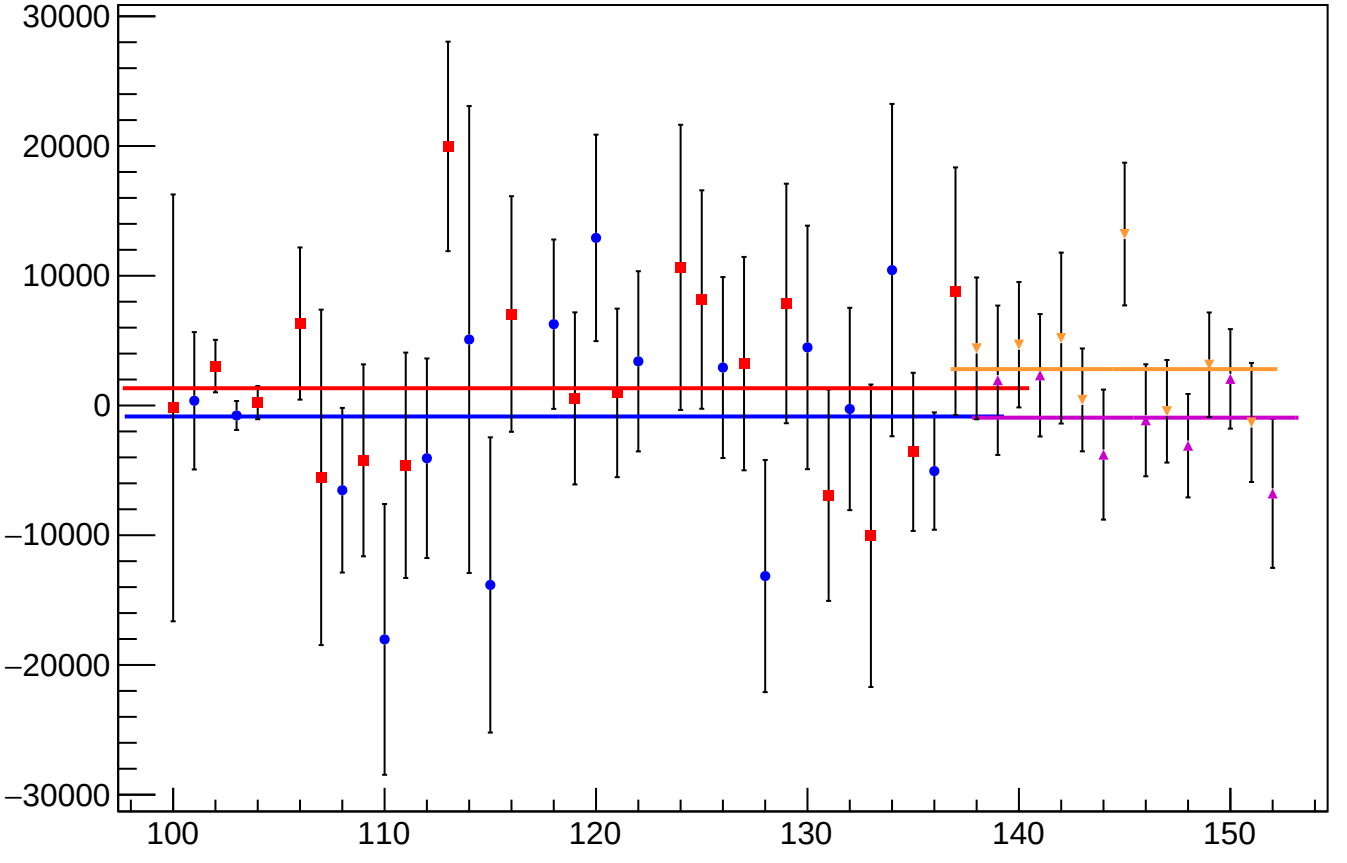
Left In: 1735.602+/-0.496 χ^2/NDF:13820.2/6

+ sign 1814.489+/-0.352 χ^2/NDF: 314489.0/23

All: 1813.877+/-0.249 χ^2/NDF: 742037.7/49

- sign 1813.265+/-0.352 χ^2/NDF: 427542.7/25

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 2803.613+/-1646.097 χ^2/NDF:5.8/7

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

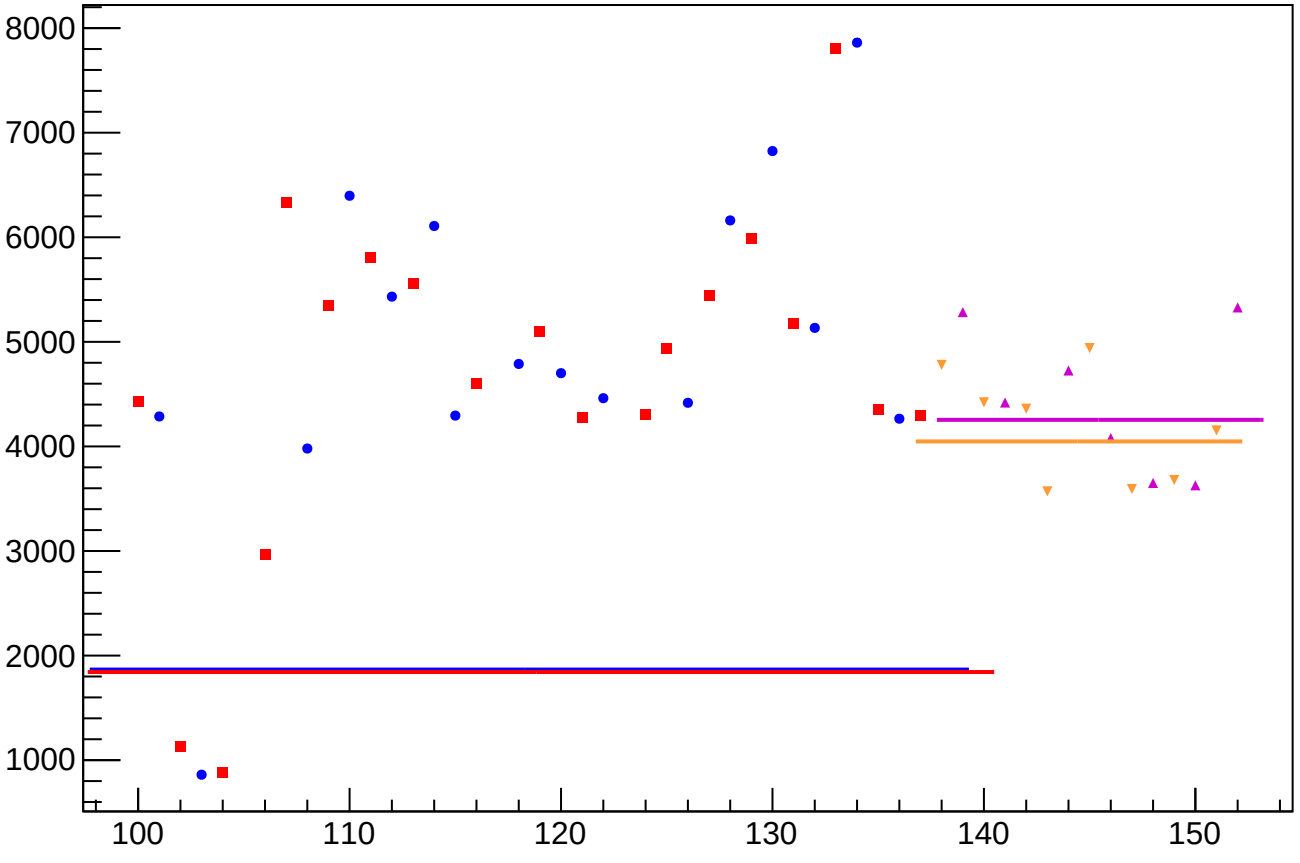
Left In: -939.425+/-1741.058 χ^2/NDF:3.0/6

\+ sign 83.271+/-831.122 χ^2/NDF: 23.3/23

All: 446.924+/-588.246 χ^2/NDF: 42.4/49

\- sign 811.951+/-832.690 χ^2/NDF: 18.7/25

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4047.828+/-1.164 χ^2/NDF:178343.1/7

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

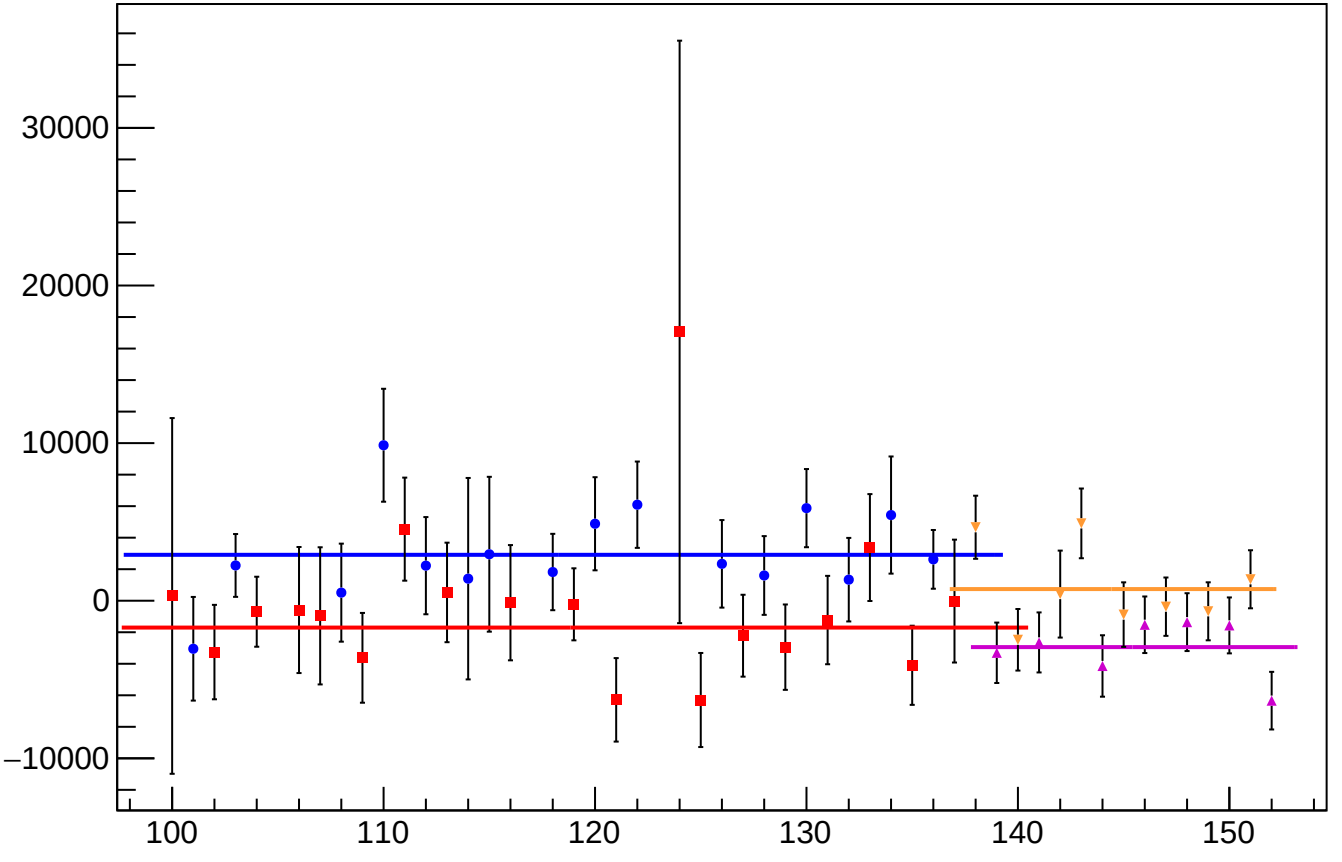
Left In: 4254.327+/-1.231 χ^2/NDF:256790.3/6

+ sign 2422.398+/-0.588 χ^2/NDF: 9645731.0/23

All: 2408.462+/-0.416 χ^2/NDF: 19321202.6/4

- sign 2394.474+/-0.589 χ^2/NDF: 9674344.9/25

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 739.231+/-712.889 χ^2/NDF:11.8/7

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

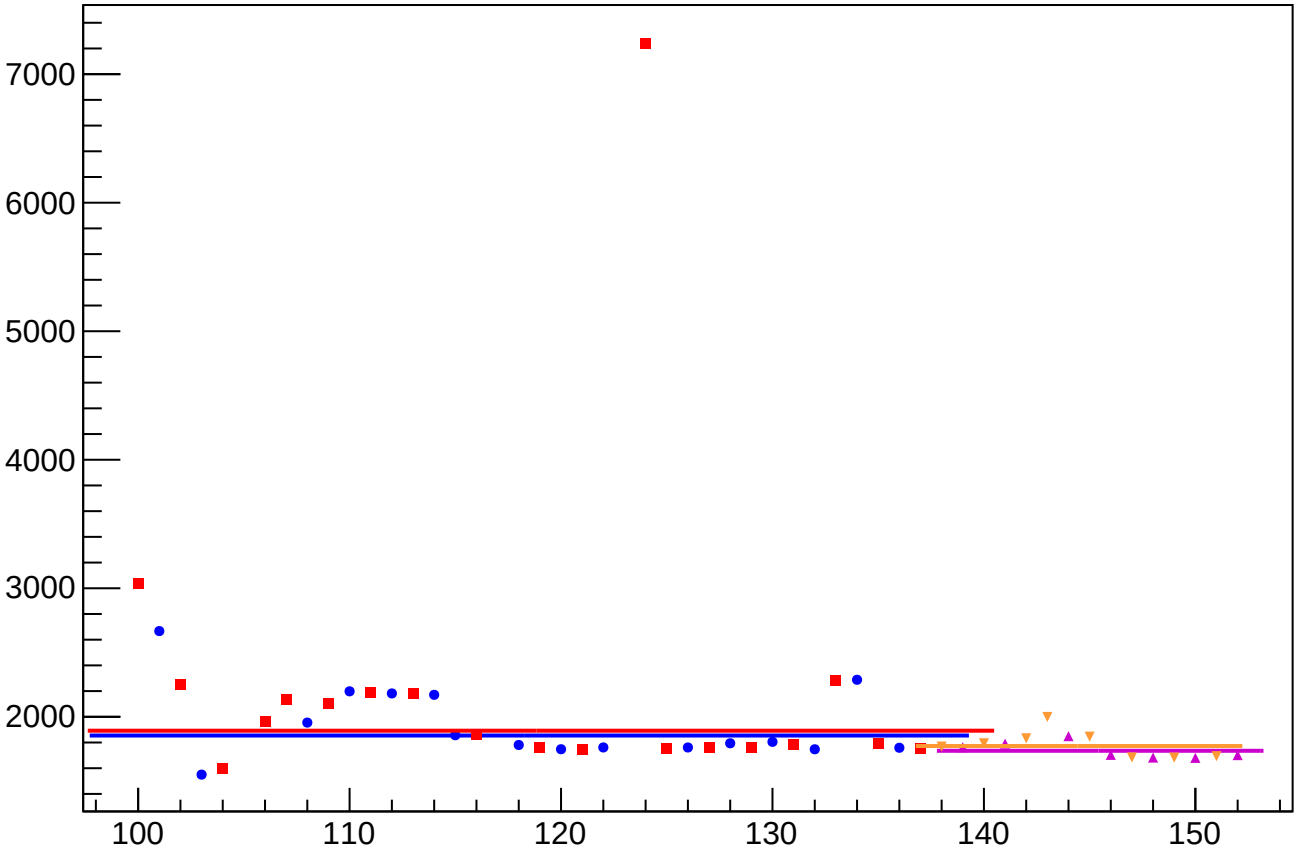
Left In: -2942.831+/-700.877 χ^2/NDF:5.9/6

+ sign 1853.682+/-497.666 χ^2/NDF: 29.0/23

All: -237.267+/-351.912 χ^2/NDF: 87.6/49

- sign -2328.433+/-497.692 χ^2/NDF: 23.2/25

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1772.596+/-0.504 χ^2/NDF:37694.0/7

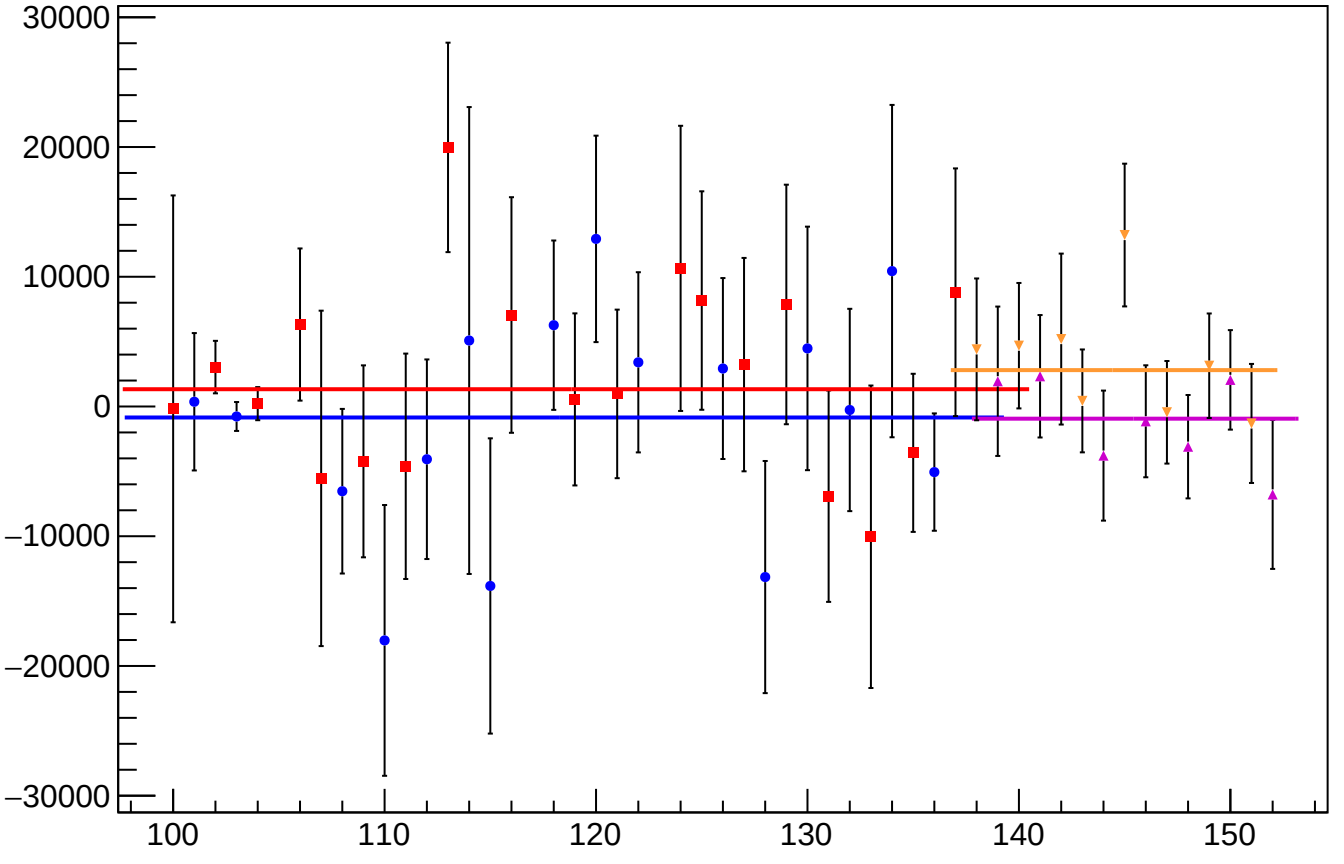
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1735.602+/-0.496 χ^2/NDF:13820.2/6

+ sign 1814.489+/-0.352 χ^2/NDF: 314489.0/23

All: 1813.877+/-0.249 χ^2/NDF: 742037.7/49

- sign 1813.265+/-0.352 χ^2/NDF: 427542.7/25



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 2803.613+/-1646.097 χ^2/NDF:5.8/7

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

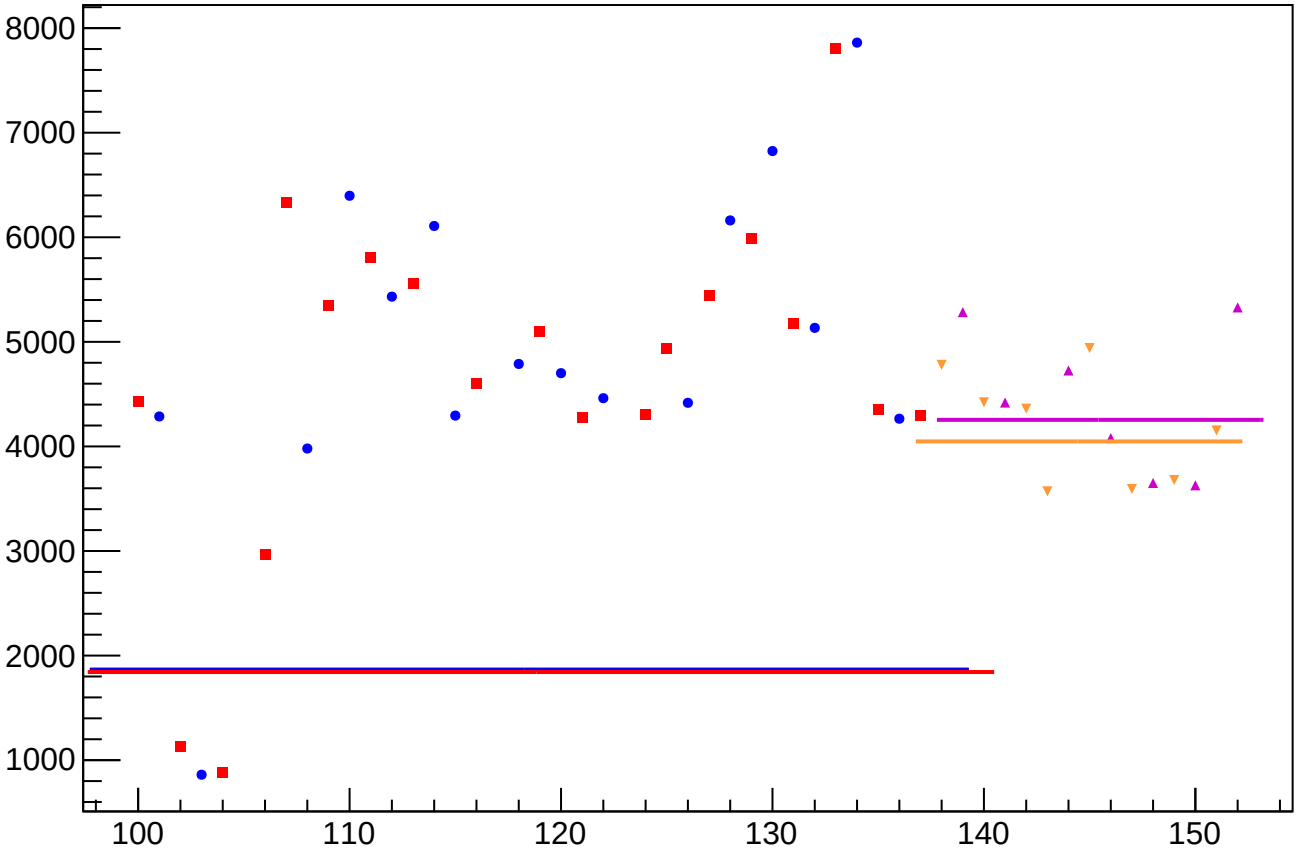
Left In: -939.425+/-1741.058 χ^2/NDF:3.0/6

+ sign 83.271+/-831.122 χ^2/NDF: 23.3/23

All: 446.924+/-588.246 χ^2/NDF: 42.4/49

- sign 811.951+/-832.690 χ^2/NDF: 18.7/25

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4047.828+/-1.164 χ^2/NDF:178343.1/7

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

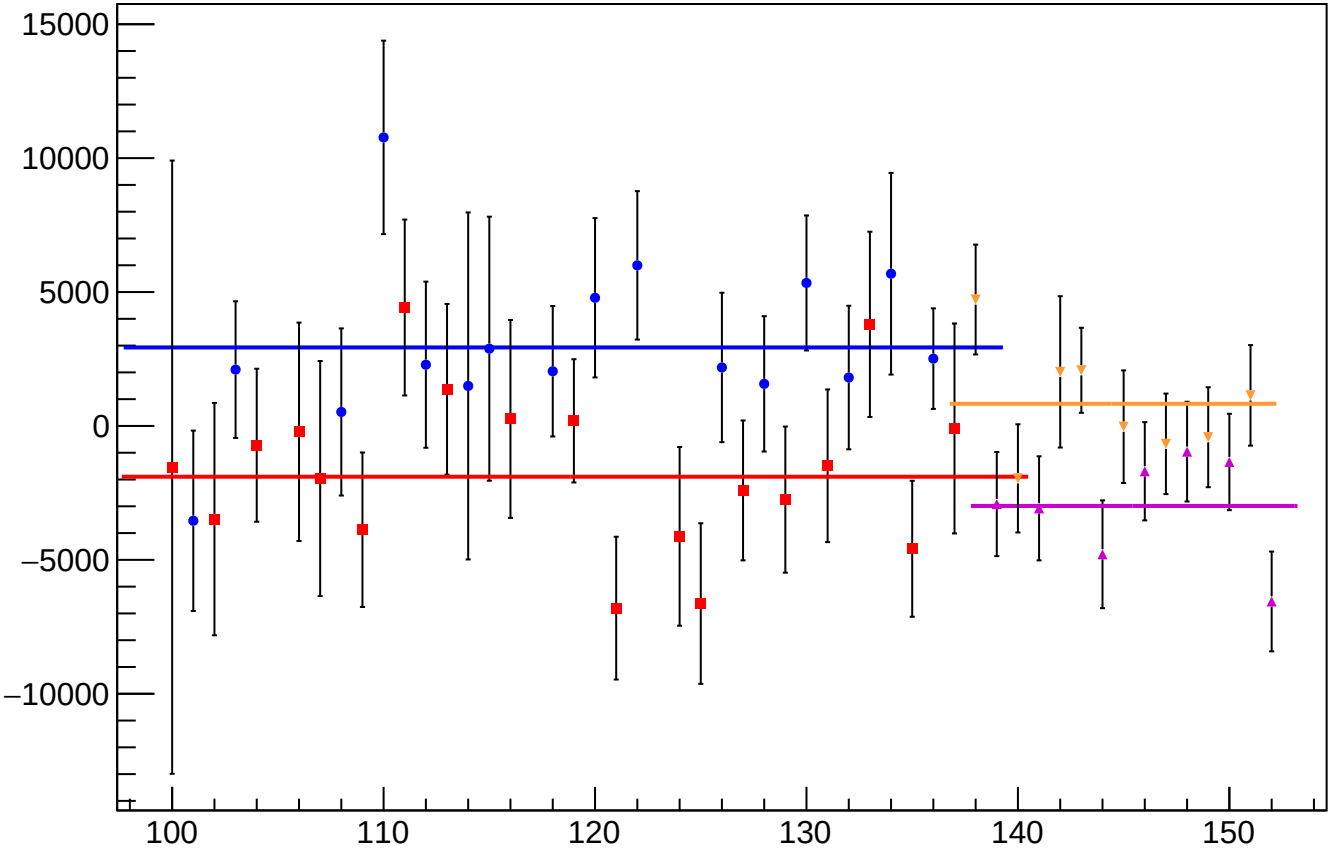
Left In: 4254.327+/-1.231 χ^2/NDF:256790.3/6

+ sign 2422.398+/-0.588 χ^2/NDF: 9645731.0/23

All: 2408.462+/-0.416 χ^2/NDF: 19321202.6/4

- sign 2394.474+/-0.589 χ^2/NDF: 9674344.9/25

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 828.048+/-692.385 χ^2/NDF:7.6/7

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

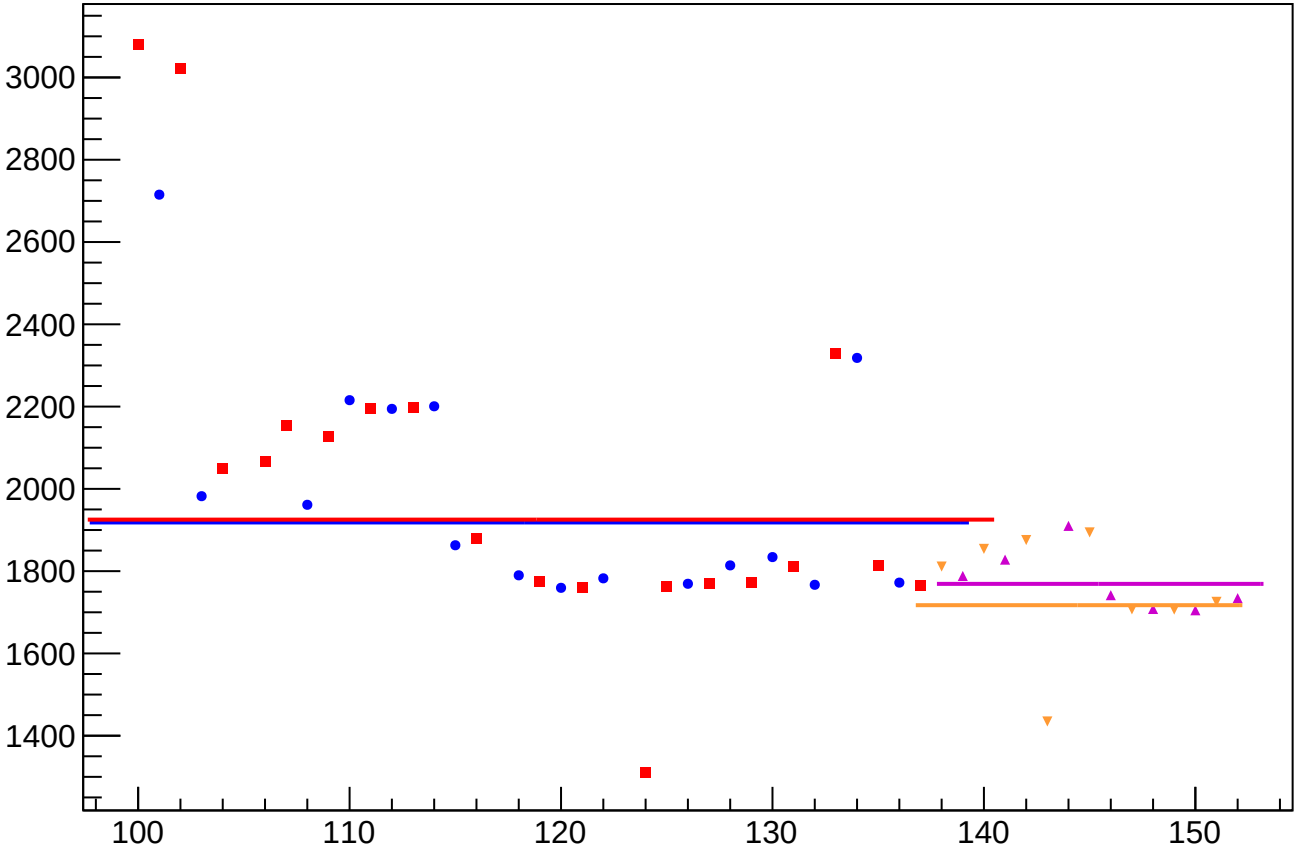
Left In: -2987.282+/-714.538 χ^2/NDF:7.0/6

+ sign 1841.229+/-498.502 χ^2/NDF: 25.0/23

All: -263.043+/-355.755 χ^2/NDF: 86.8/49

- sign -2447.028+/-507.856 χ^2/NDF: 25.5/25

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1717.271+/-0.490 χ^2/NDF:97362.1/7

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

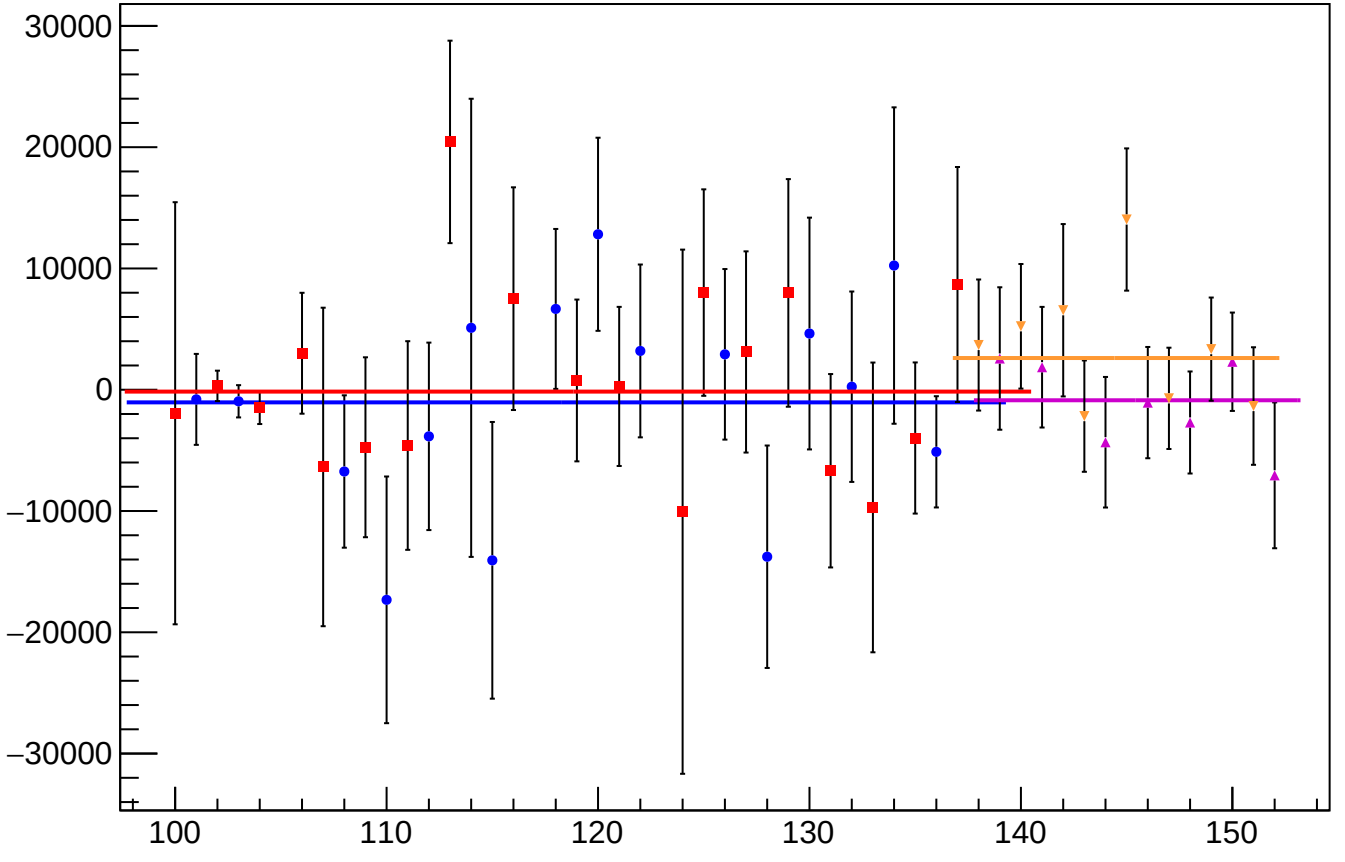
Left In: 1769.071+/-0.505 χ^2/NDF:17674.5/6

\+ sign 1814.125+/-0.352 χ^2/NDF: 394211.3/23

All: 1829.981+/-0.252 χ^2/NDF: 802428.7/49

\- sign 1846.423+/-0.359 χ^2/NDF: 404096.0/25

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 2614.559+/-1757.844 χ^2/NDF:6.8/7

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

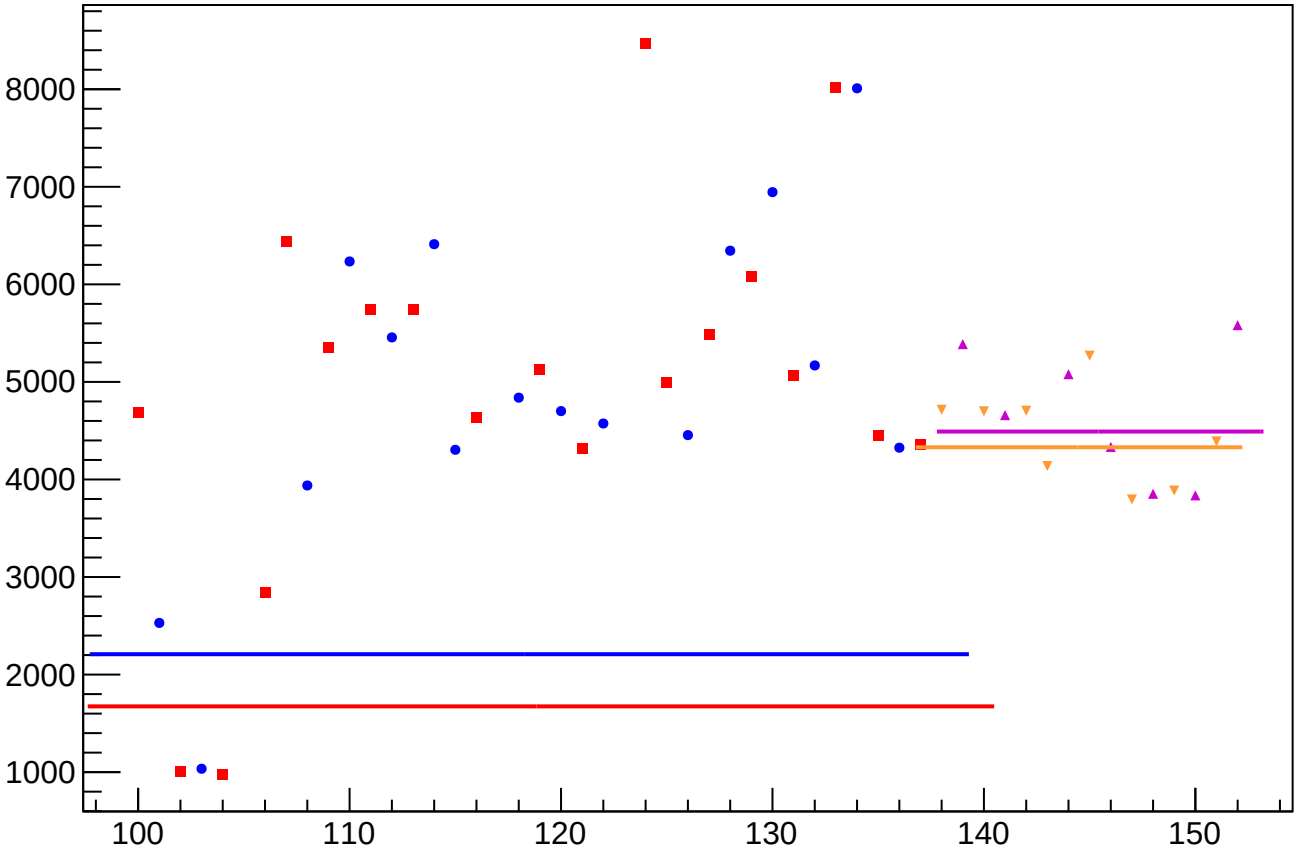
Left In: -868.772+/-1836.779 χ^2/NDF:2.9/6

+ sign -50.147+/-915.489 χ^2/NDF: 23.8/23

All: -183.917+/-585.049 χ^2/NDF: 40.6/49

- sign -276.261+/-760.635 χ^2/NDF: 16.8/25

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4330.097+/-1.243 χ^2/NDF:135668.5/7

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

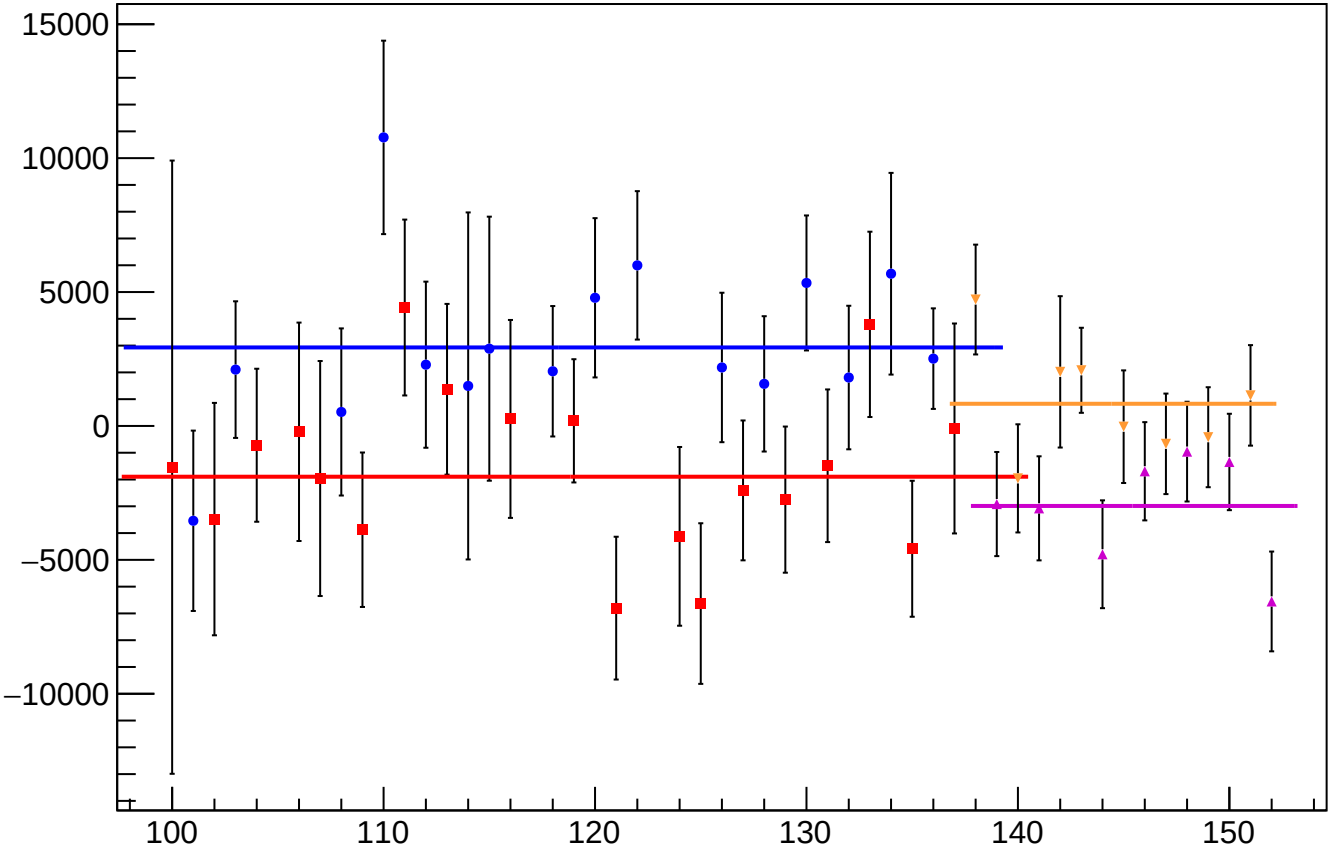
Left In: 4491.273+/-1.299 χ^2/NDF:238902.2/6

+ sign 2784.251+/-0.647 χ^2/NDF: 7757015.1/23

All: 2413.324+/-0.414 χ^2/NDF: 19301918.8/4

- sign 2157.268+/-0.538 χ^2/NDF: 10989935.1/25

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 828.047+/-692.385 χ^2/NDF:7.6/7

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

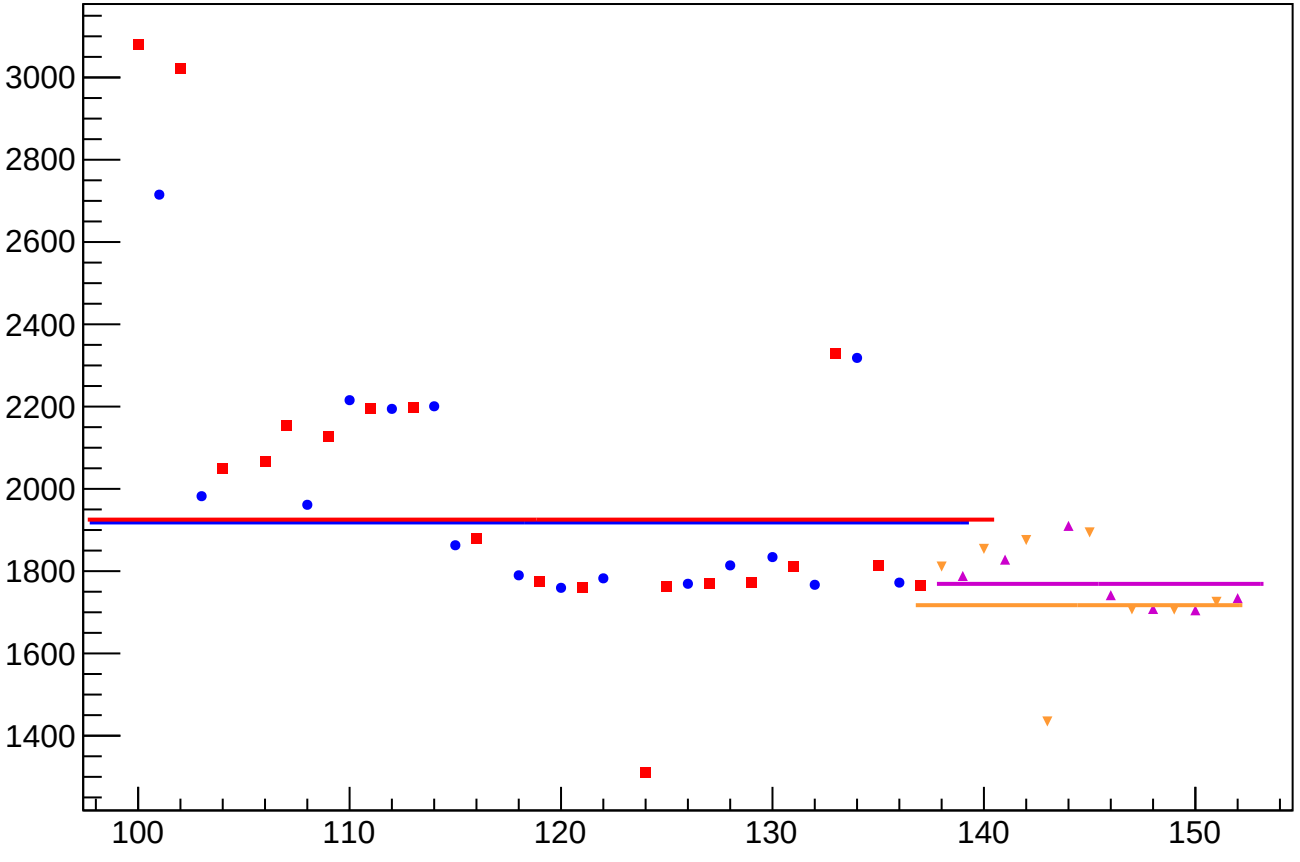
Left In: -2987.278+/-714.538 χ^2/NDF:7.0/6

+ sign 1841.231+/-498.502 χ^2/NDF: 25.0/23

All: -263.042+/-355.755 χ^2/NDF: 86.8/49

- sign -2447.029+/-507.856 χ^2/NDF: 25.5/25

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1717.272+/-0.490 χ^2/NDF:97361.2/7

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

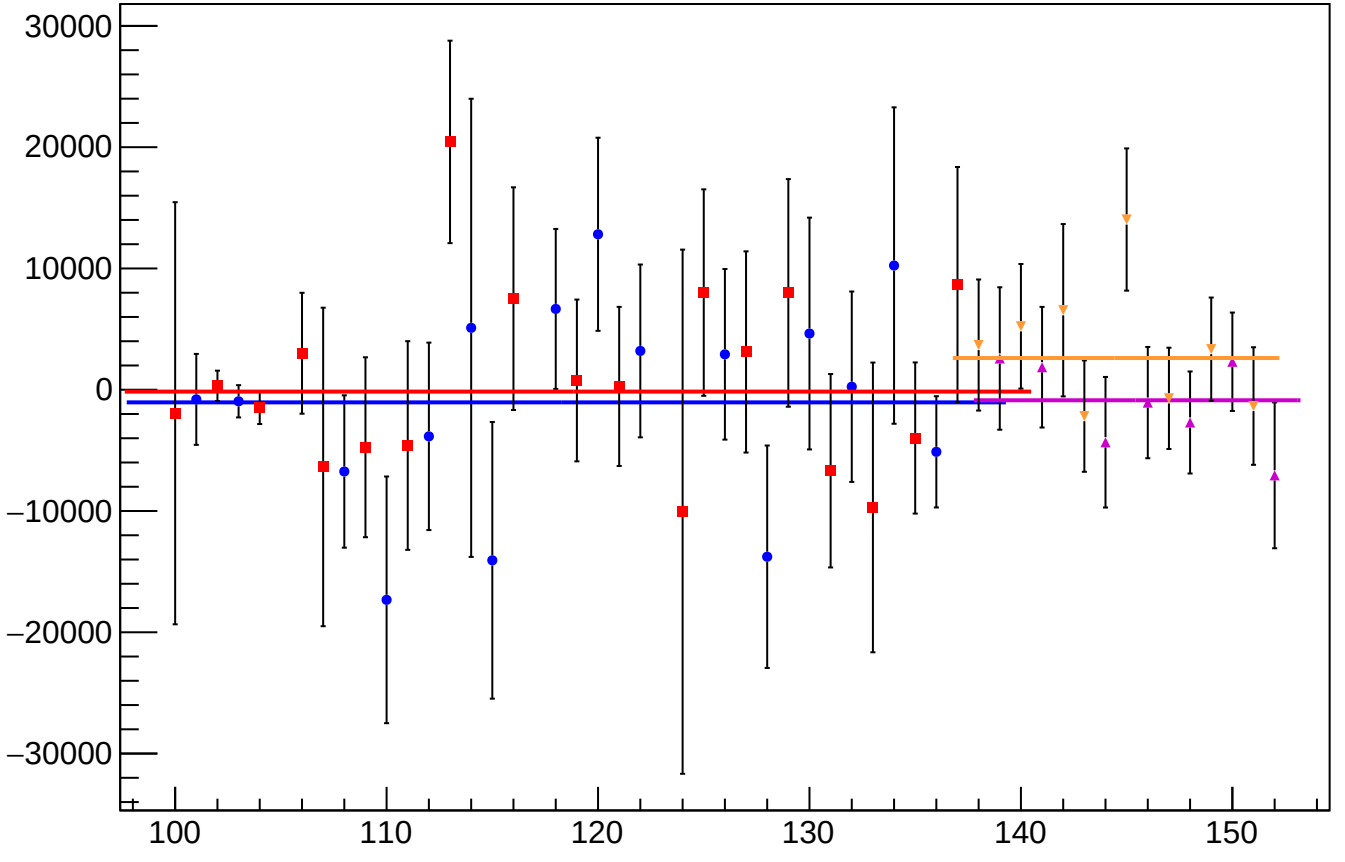
Left In: 1769.072+/-0.505 χ^2/NDF:17674.5/6

+ sign 1814.126+/-0.352 χ^2/NDF: 394209.1/23

All: 1829.981+/-0.252 χ^2/NDF: 802424.6/49

- sign 1846.423+/-0.359 χ^2/NDF: 404094.2/25

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 2614.560+/-1757.847 χ^2/NDF:6.8/7

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

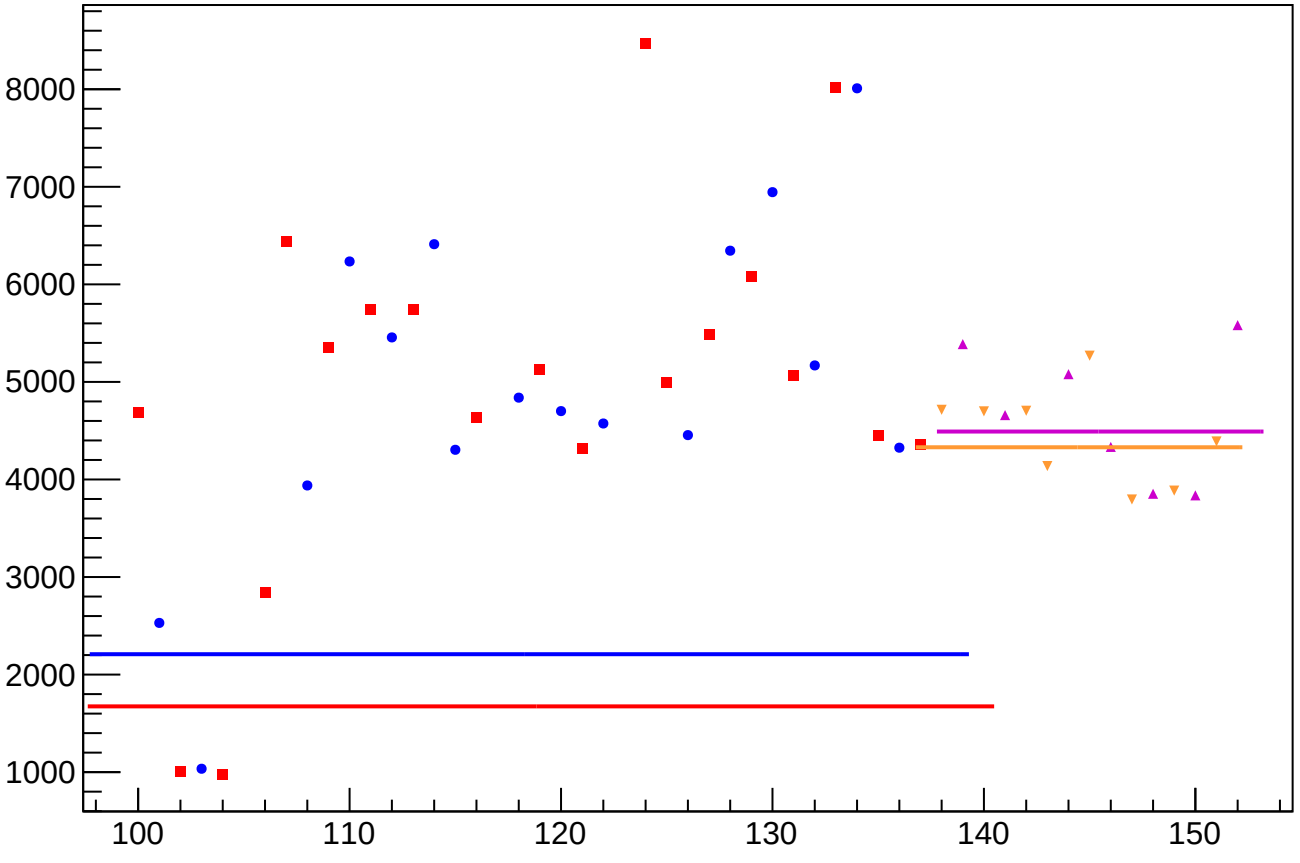
Left In: -868.769+/-1836.782 χ^2/NDF:2.9/6

\+ sign -50.148+/-915.489 χ^2/NDF: 23.8/23

All: -183.915+/-585.049 χ^2/NDF: 40.6/49

\- sign -276.256+/-760.635 χ^2/NDF: 16.8/25

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4330.104+/-1.243 χ^2/NDF:135668.0/7

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

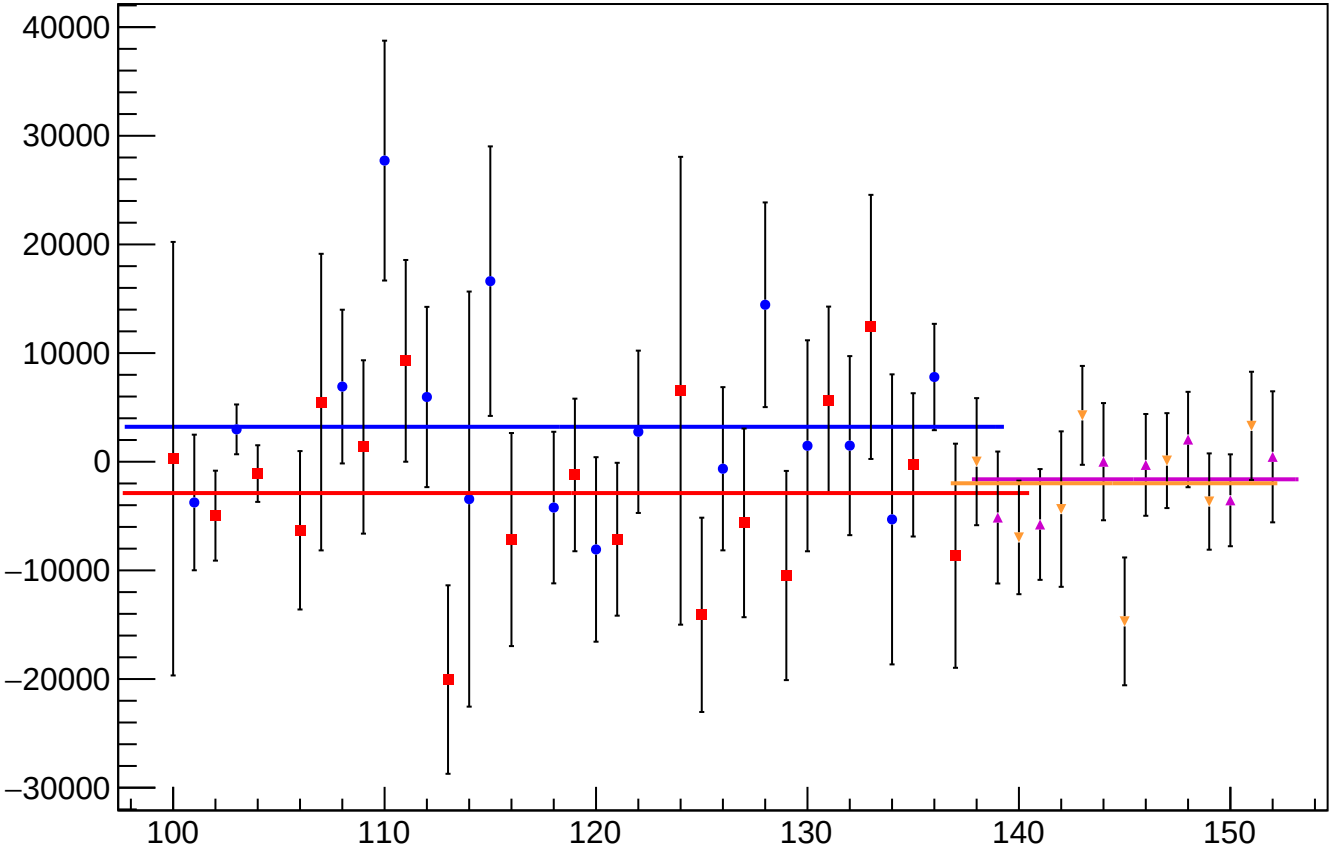
Left In: 4491.279+/-1.299 χ^2/NDF:238900.6/6

+ sign 2784.251+/-0.647 χ^2/NDF: 7757018.5/23

All: 2413.323+/-0.414 χ^2/NDF: 19301923.2/4

- sign 2157.267+/-0.538 χ^2/NDF: 10989935.8/25

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -1981.894+/-1807.002 χ^2/NDF:9.2/7

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

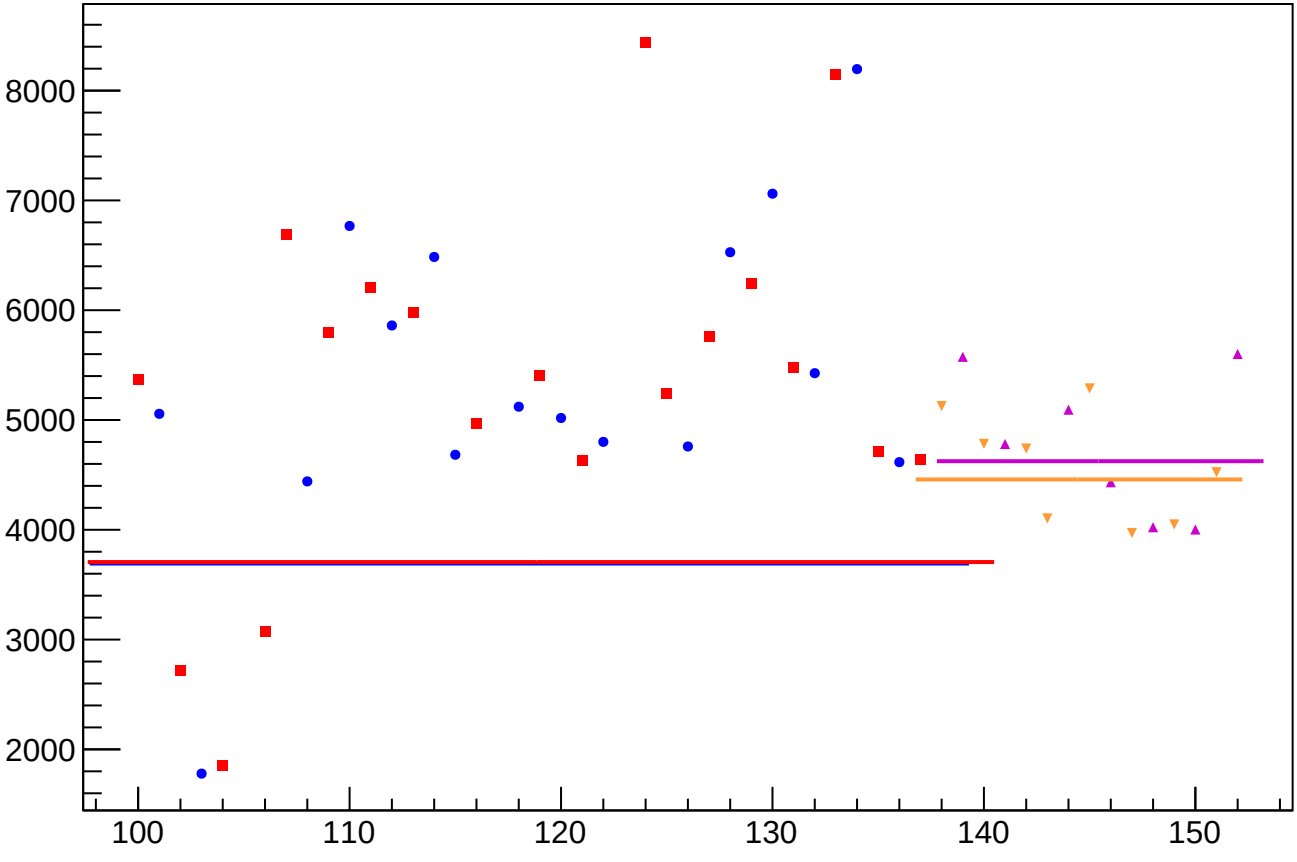
Left In: -1617.433+/-1886.918 χ^2/NDF:2.2/6

+ sign 1030.122+/-1171.764 χ^2/NDF: 27.8/23

All: -632.544+/-837.921 χ^2/NDF: 47.8/49

- sign -2372.511+/-1198.693 χ^2/NDF: 15.9/25

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4458.474+/-1.278 χ^2/NDF:131215.7/7

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

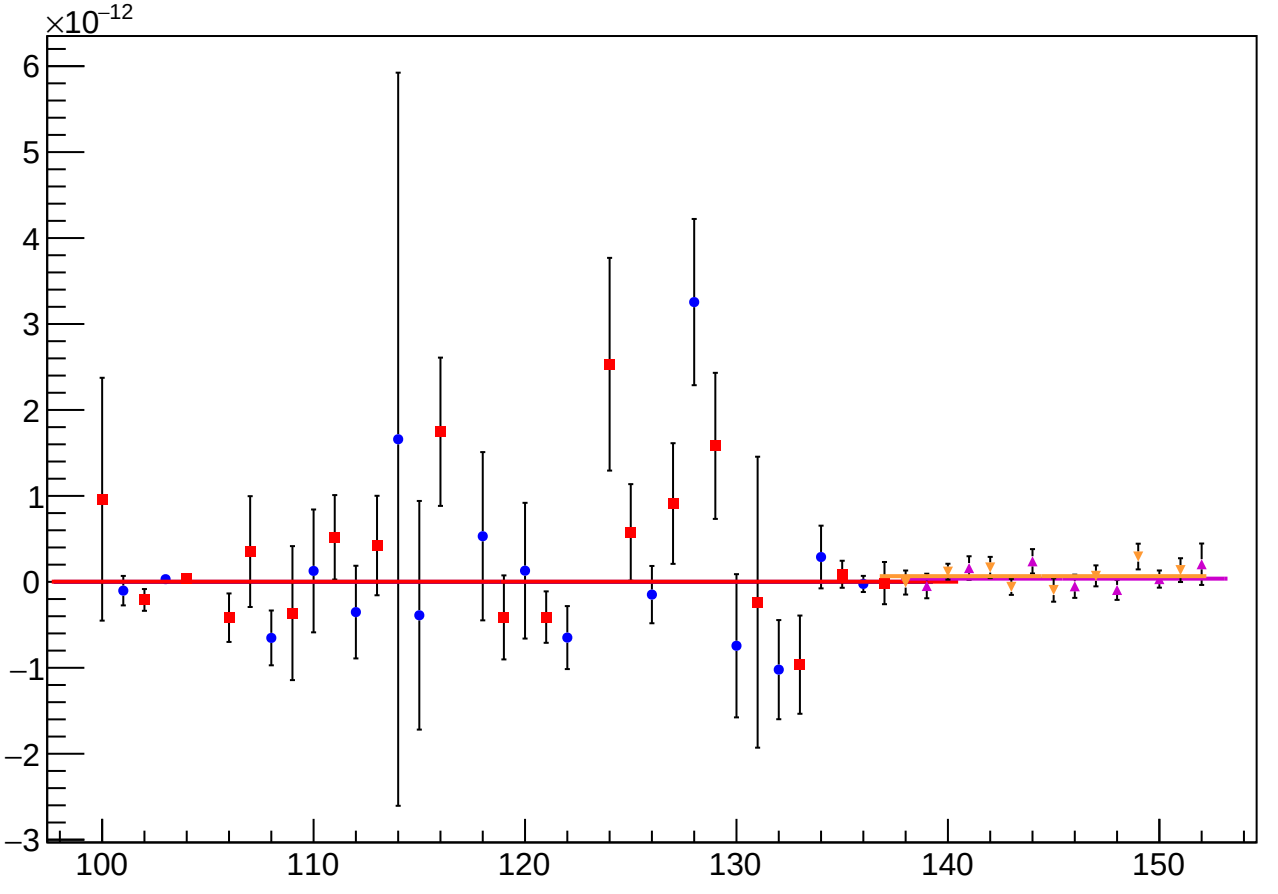
Left In: 4624.946+/-1.334 χ^2/NDF:202662.2/6

+ sign 4014.773+/-0.829 χ^2/NDF: 3224957.8/23

All: 4043.140+/-0.591 χ^2/NDF: 6399691.6/49

- sign 4072.471+/-0.843 χ^2/NDF: 3172349.7/25

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:7.0/7

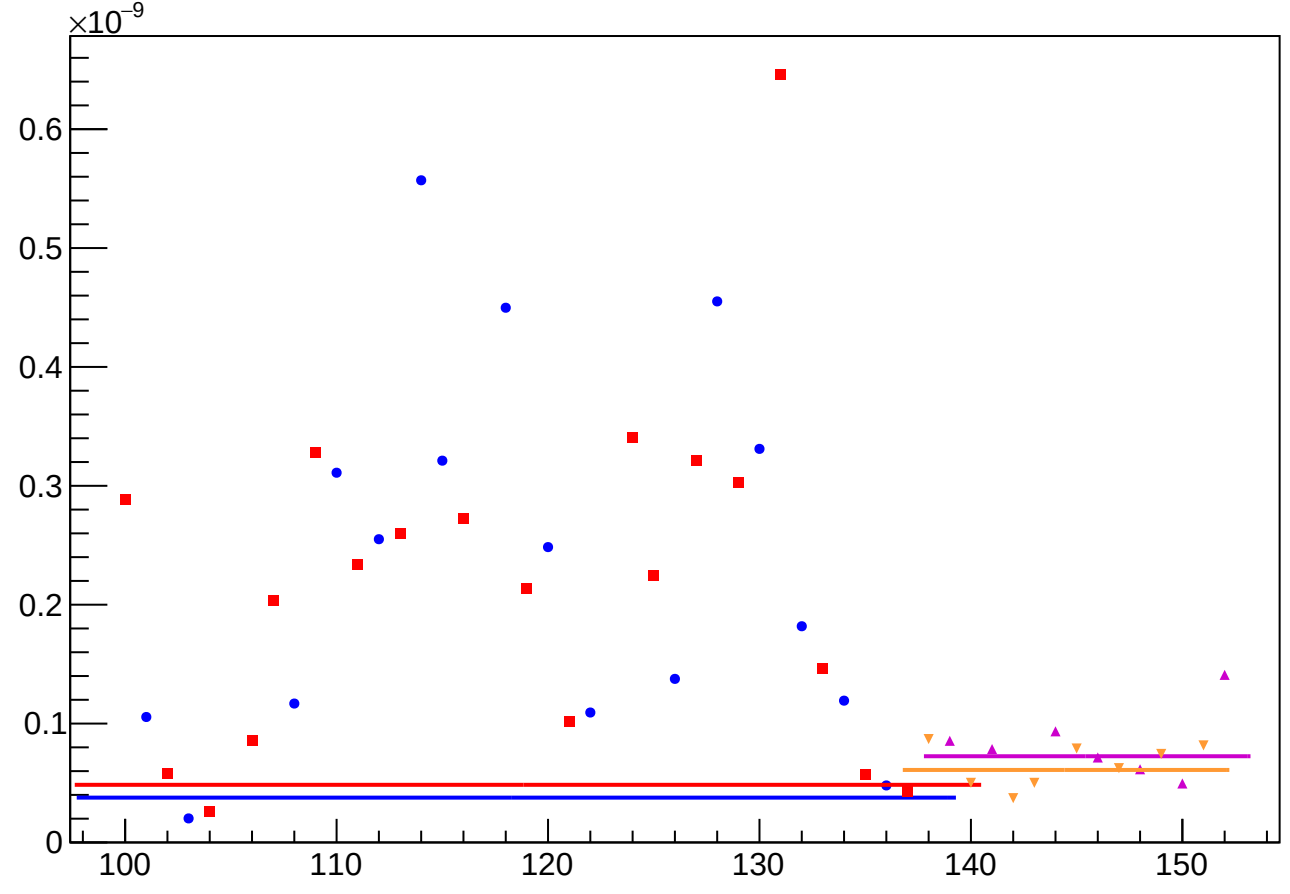
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 33.9/23

All: 0.000+/-0.000 χ^2/NDF: 67.8/49

- sign 0.000+/-0.000 χ^2/NDF: 33.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:293730.6/7

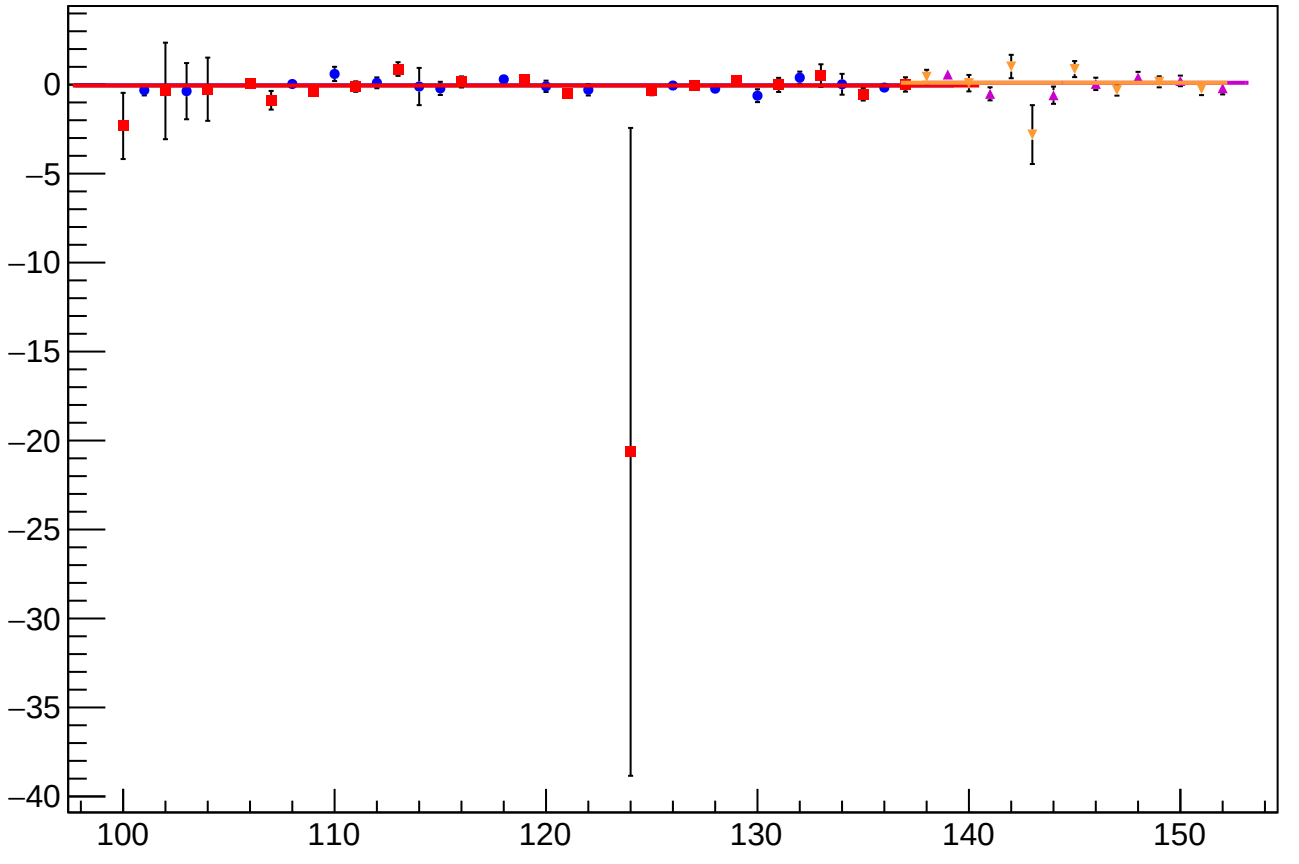
Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:349024.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 3786200.4/23

All: 0.000+/-0.000 χ^2/NDF: 7428179.3/49

- sign 0.000+/-0.000 χ^2/NDF: 3500235.2/25



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.107+/-0.144 χ^2/NDF:11.6/7

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

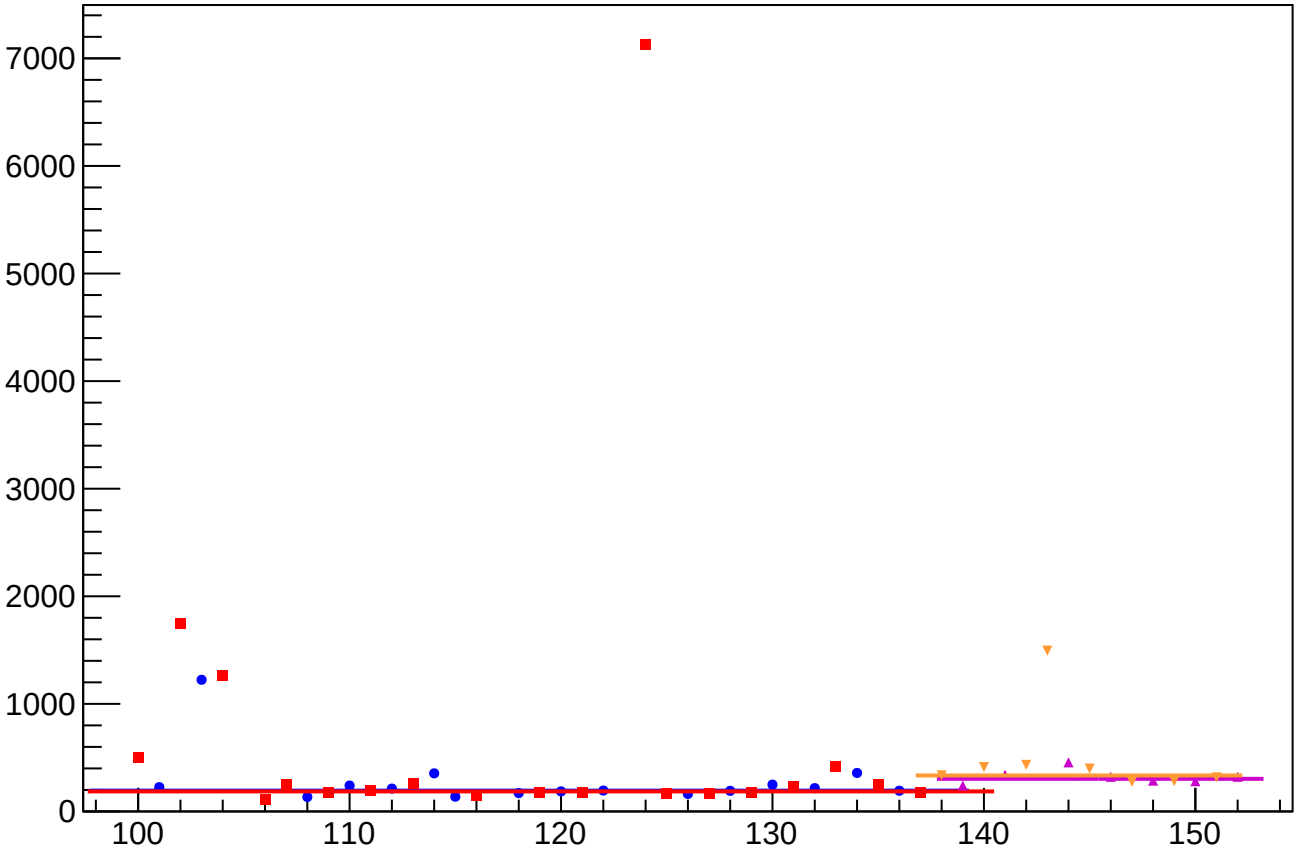
Left In: 0.104+/-0.126 χ^2/NDF:9.7/6

+ sign -0.008+/-0.068 χ^2/NDF: 24.1/23

All: -0.007+/-0.048 χ^2/NDF: 57.9/49

- sign -0.006+/-0.067 χ^2/NDF: 33.7/25

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 334.645+/-0.102 χ^2/NDF:1262910.8/7

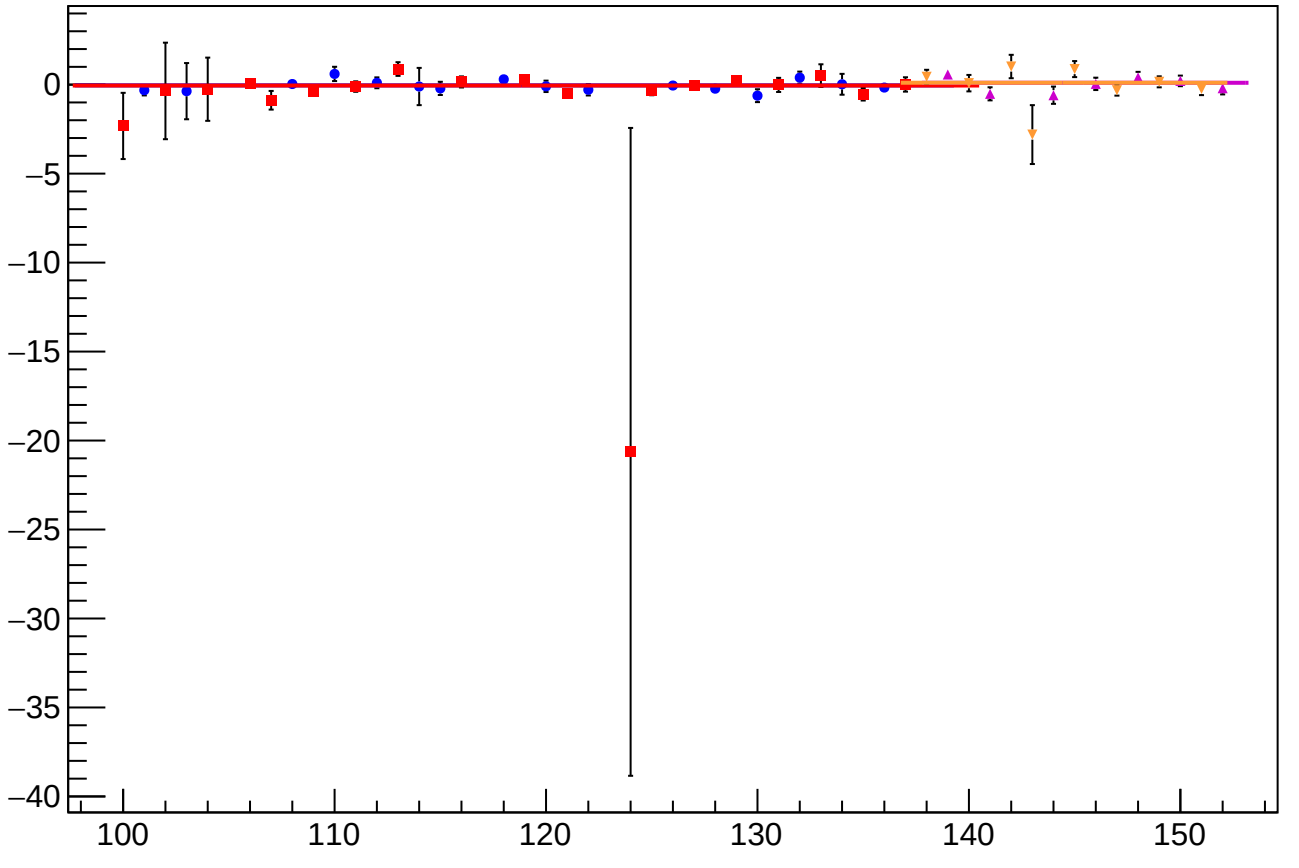
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 303.297+/-0.089 χ^2/NDF:354898.7/6

+ sign 225.209+/-0.048 χ^2/NDF: 4166296.1/23

All: 222.163+/-0.034 χ^2/NDF: 8246504.1/49

- sign 219.258+/-0.047 χ^2/NDF: 4072460.1/25



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.107+/-0.144 χ^2/NDF:11.6/7

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

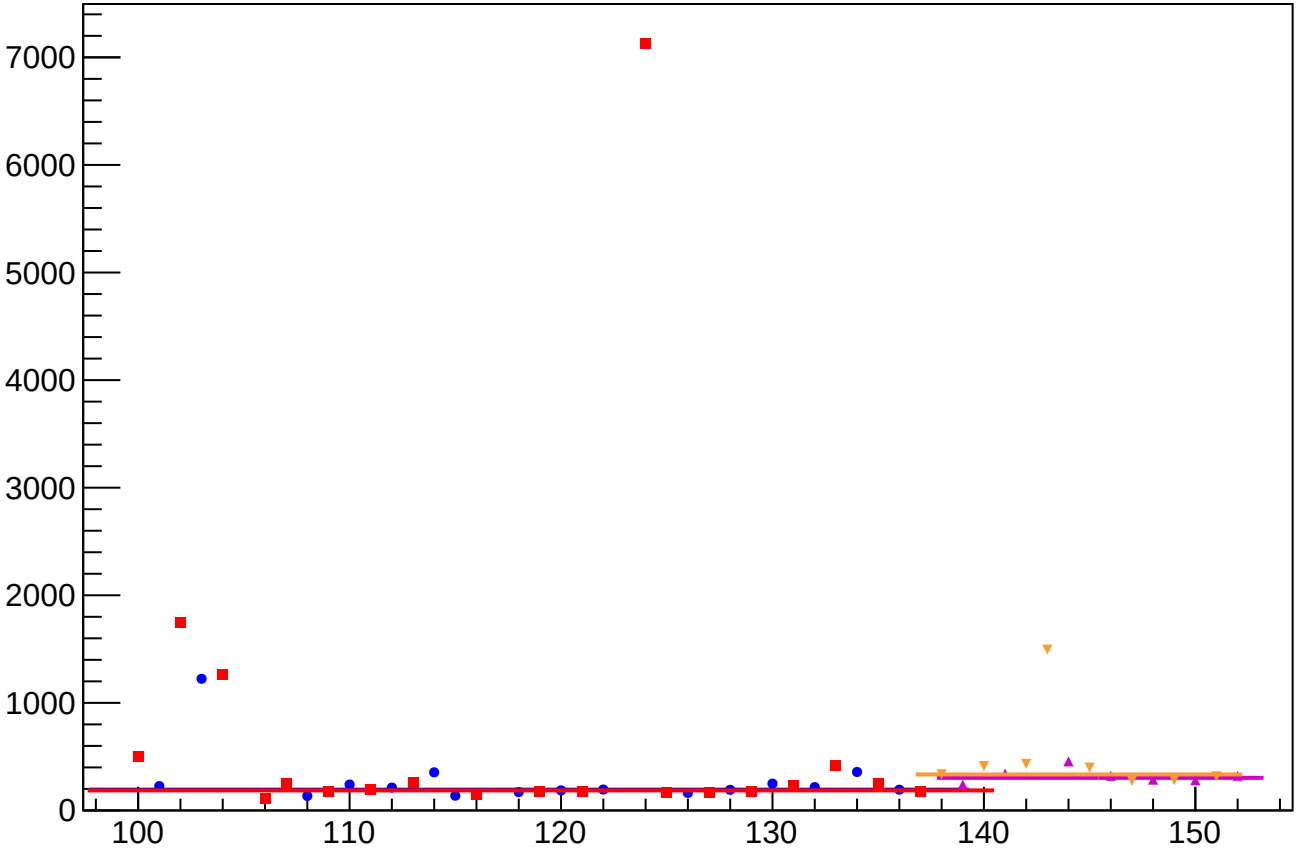
Left In: 0.104+/-0.126 χ^2/NDF:9.7/6

+ sign -0.008+/-0.068 χ^2/NDF: 24.1/23

All: -0.007+/-0.048 χ^2/NDF: 57.9/49

- sign -0.006+/-0.067 χ^2/NDF: 33.7/25

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: 334.645+/-0.102 χ^2/NDF:1262910.8/7

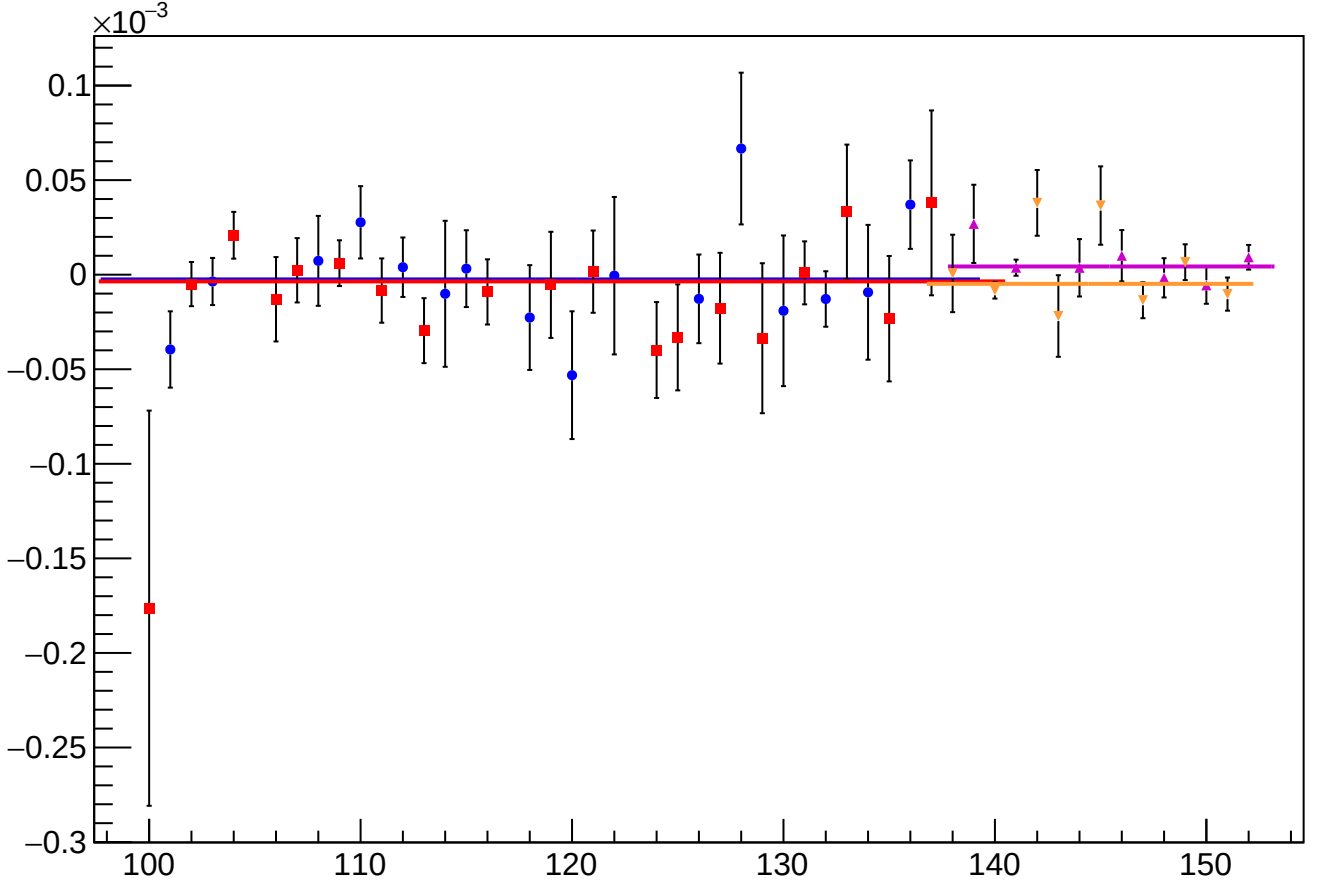
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 303.297+/-0.089 χ^2/NDF:354898.7/6

+ sign 225.209+/-0.048 χ^2/NDF: 4166296.1/23

All: 222.163+/-0.034 χ^2/NDF: 8246504.1/49

- sign 219.258+/-0.047 χ^2/NDF: 4072460.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/7

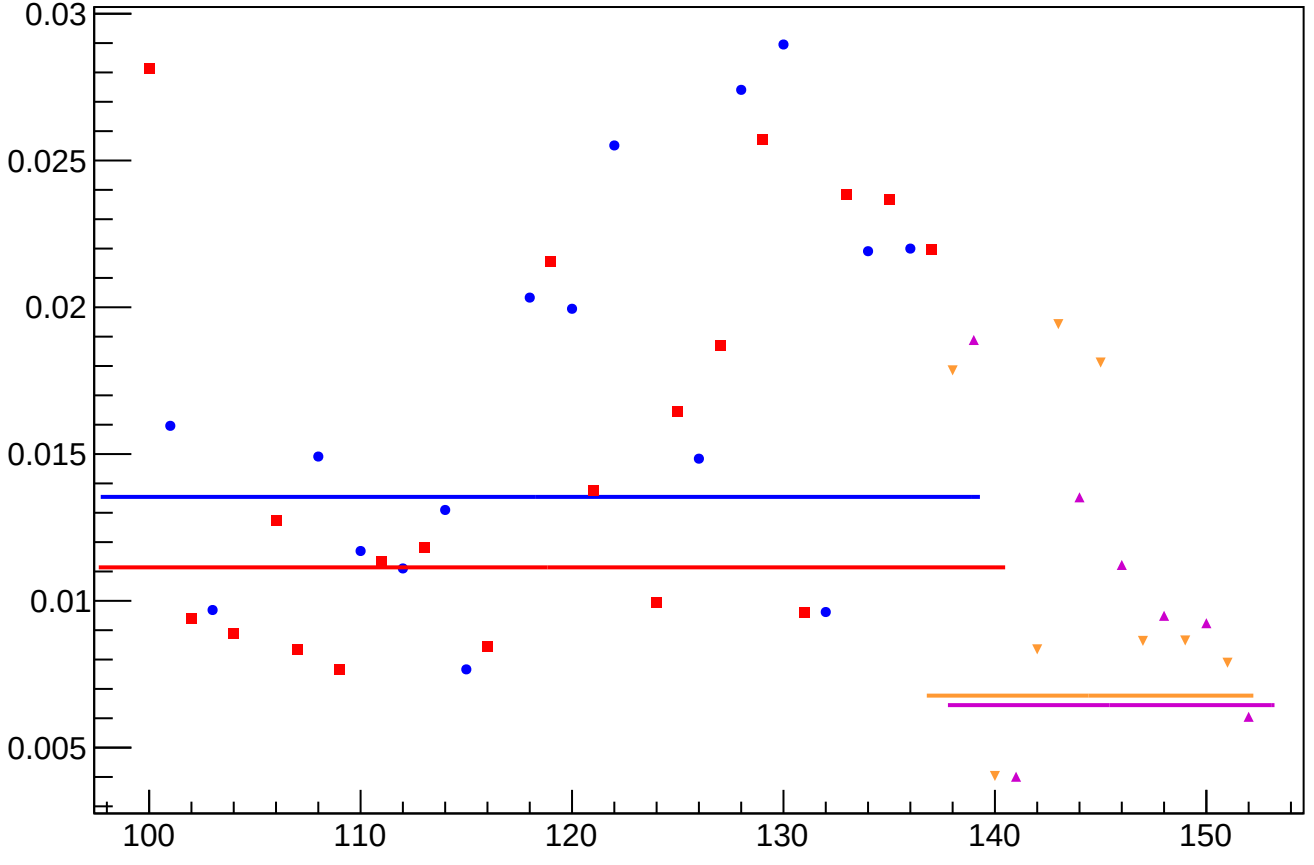
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/23

All: -0.000+/-0.000 χ^2/NDF: 54.5/49

- sign 0.000+/-0.000 χ^2/NDF: 21.8/25



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:2853751.1/7

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

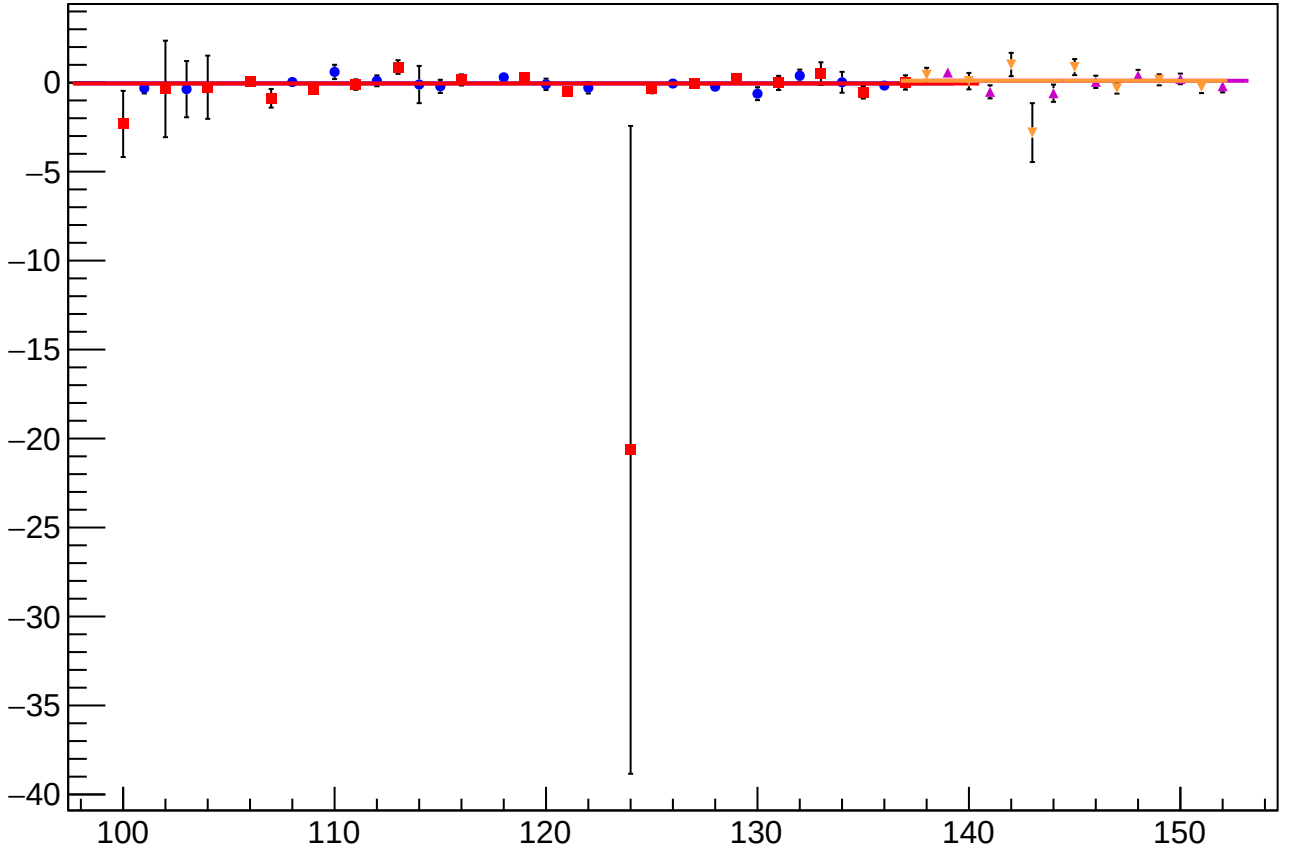
Left In: 0.006+/-0.000 χ^2/NDF:2402786.5/6

+ sign 0.009+/-0.000 χ^2/NDF: 7021221.1/23

All: 0.008+/-0.000 χ^2/NDF: 12882877.8/49

- sign 0.008+/-0.000 χ^2/NDF: 5810218.1/25

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.107+/-0.144 χ^2/NDF:11.6/7

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

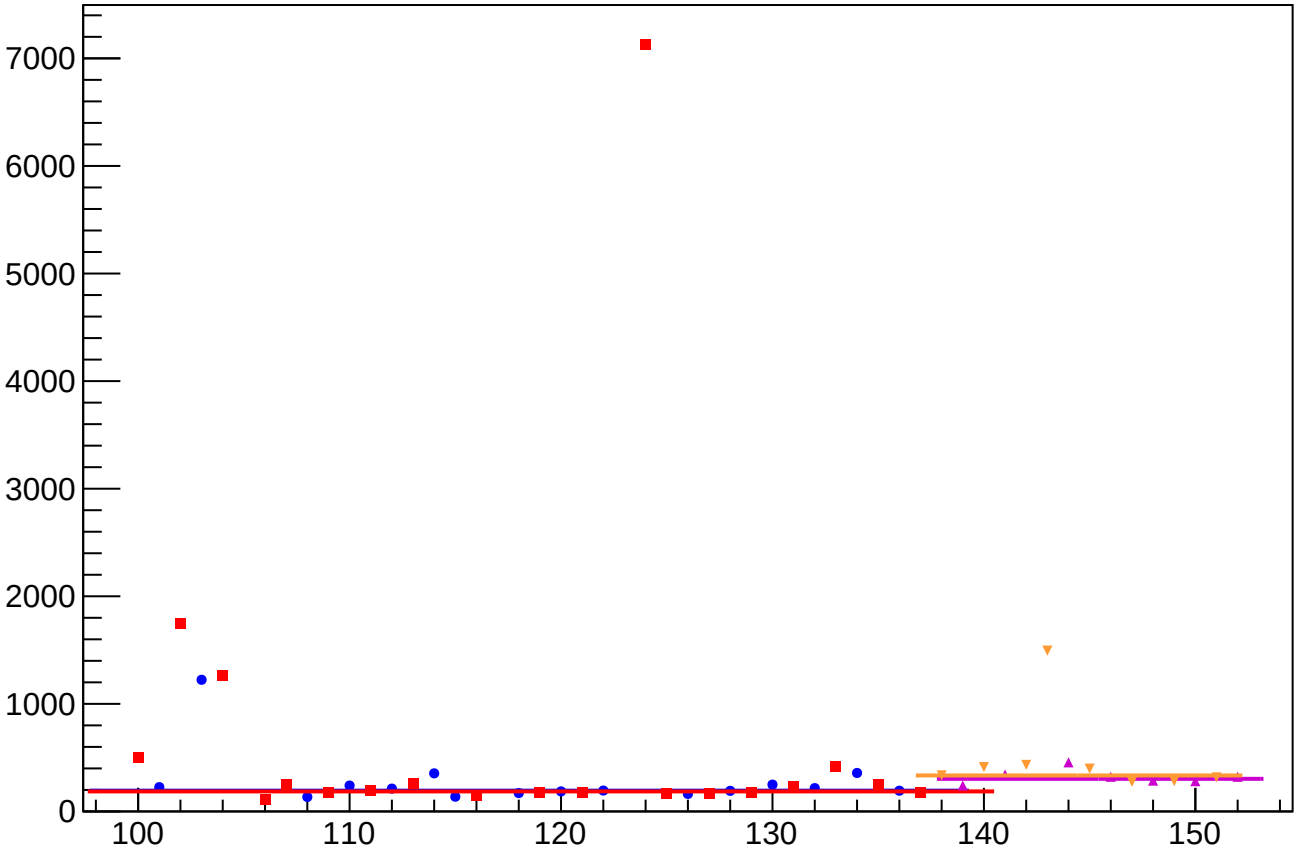
Left In: 0.104+/-0.126 χ^2/NDF:9.7/6

+ sign -0.008+/-0.068 χ^2/NDF: 24.1/23

All: -0.007+/-0.048 χ^2/NDF: 57.9/49

- sign -0.006+/-0.067 χ^2/NDF: 33.7/25

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: 334.650+/-0.102 χ^2/NDF:1262882.5/7

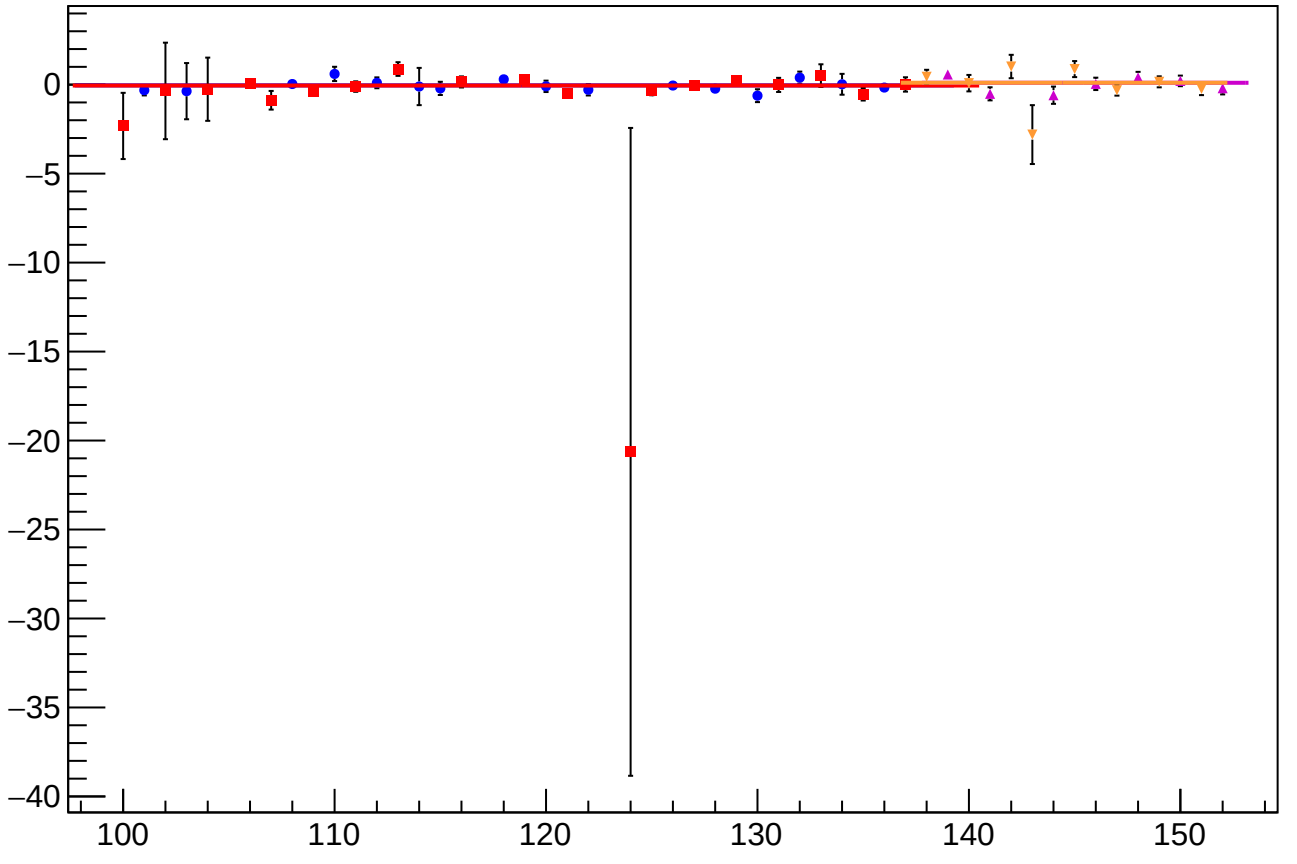
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 303.301+/-0.089 χ^2/NDF:354877.6/6

+ sign 225.208+/-0.048 χ^2/NDF: 4166361.0/23

All: 222.162+/-0.034 χ^2/NDF: 8246700.4/49

- sign 219.257+/-0.047 χ^2/NDF: 4072590.5/25



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.107+/-0.144 χ^2/NDF:11.6/7

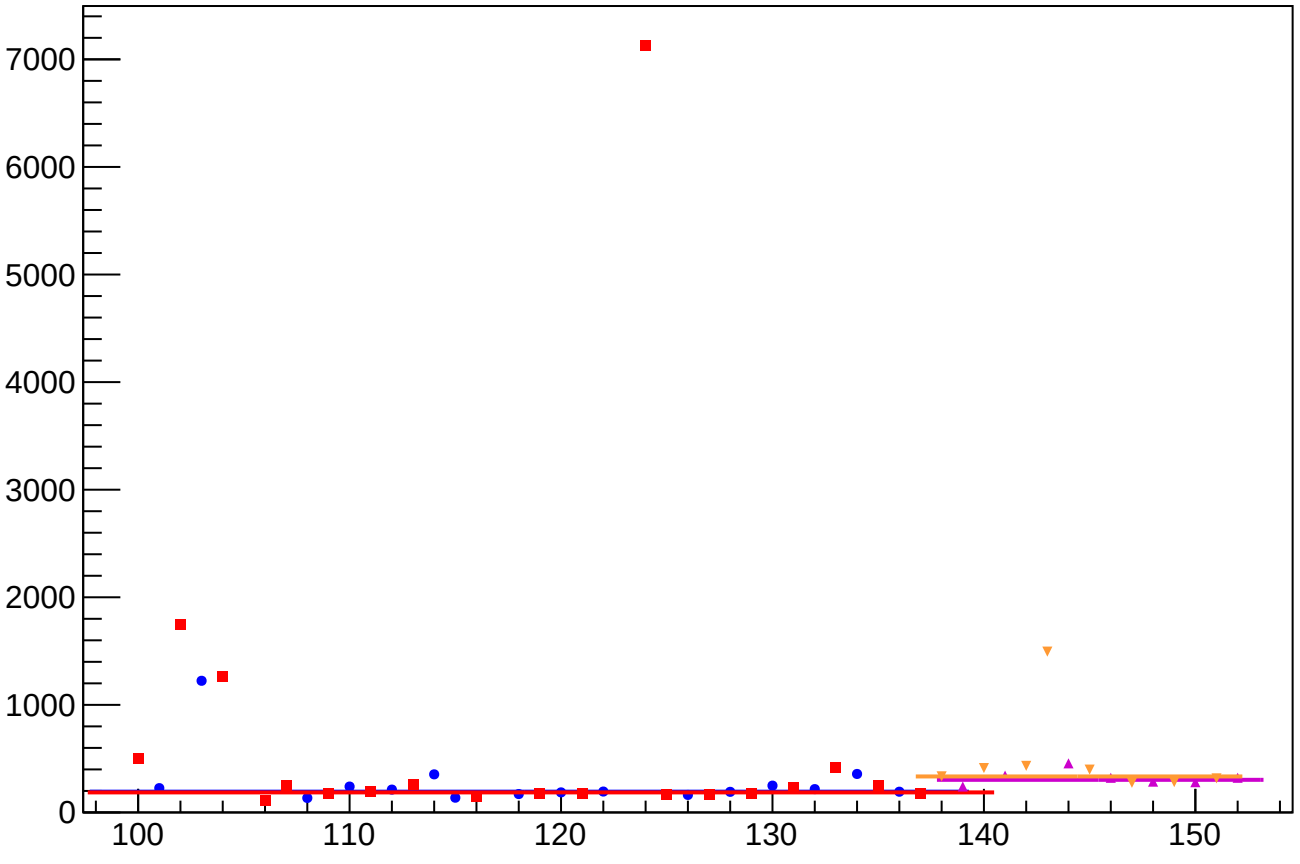
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.104+/-0.126 χ^2/NDF:9.7/6

+ sign -0.008+/-0.068 χ^2/NDF: 24.1/23

All: -0.007+/-0.048 χ^2/NDF: 57.9/49

- sign -0.006+/-0.067 χ^2/NDF: 33.7/25



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 334.650+/-0.102 χ^2/NDF:1262882.5/7

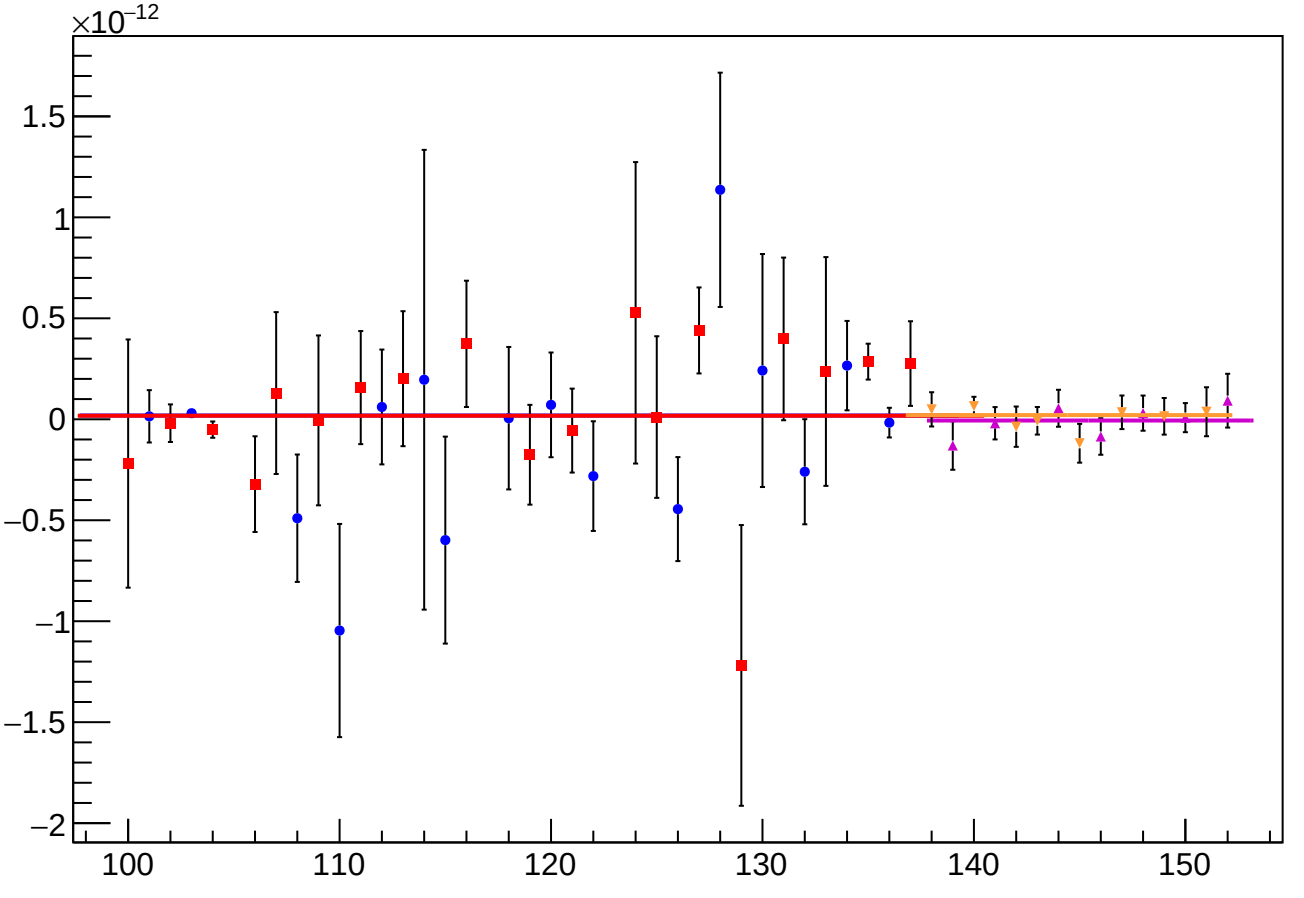
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 303.301+/-0.089 χ^2/NDF:354877.6/6

+ sign 225.208+/-0.048 χ^2/NDF: 4166361.0/23

All: 222.162+/-0.034 χ^2/NDF: 8246700.4/49

- sign 219.257+/-0.047 χ^2/NDF: 4072590.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/7

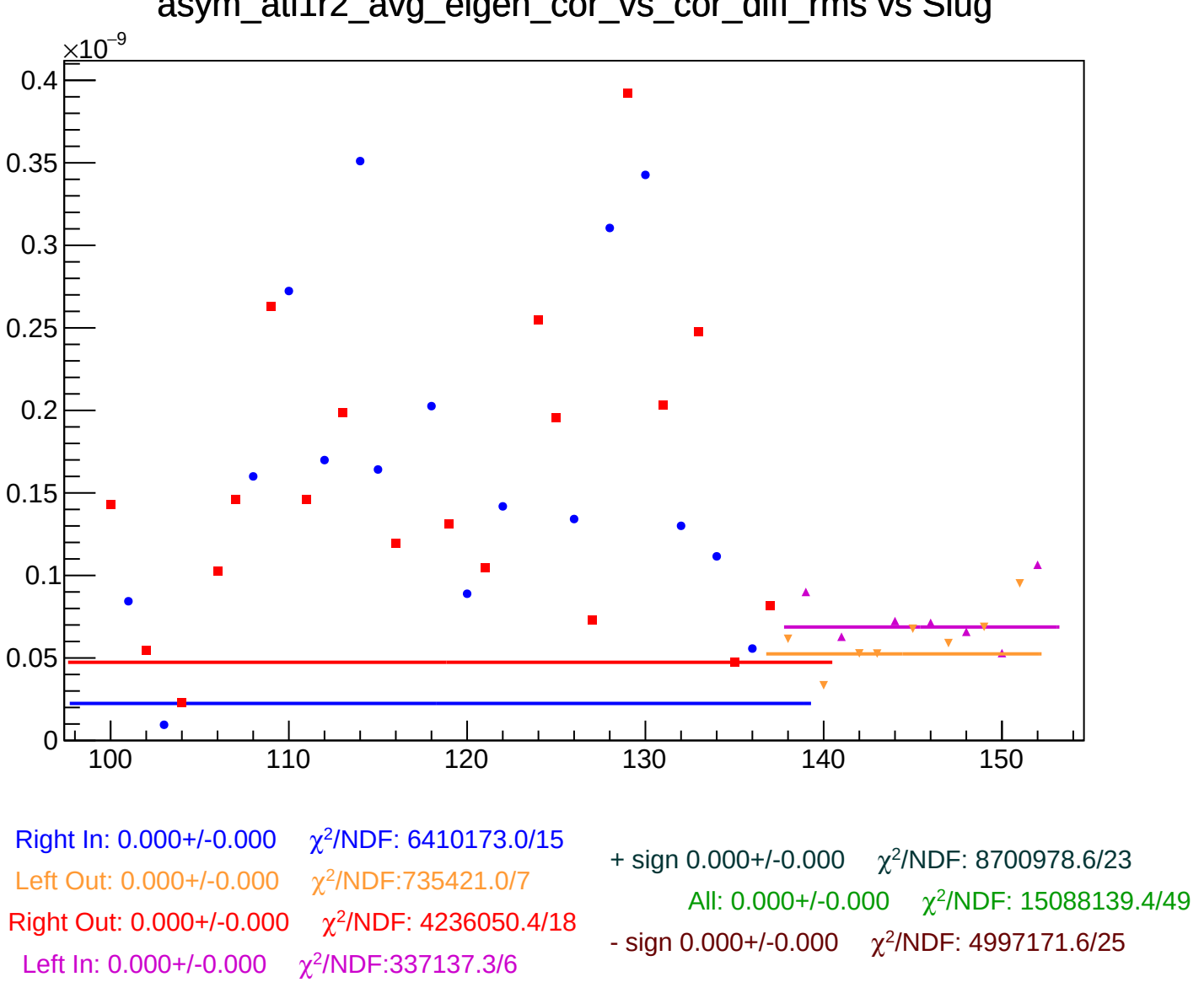
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/6

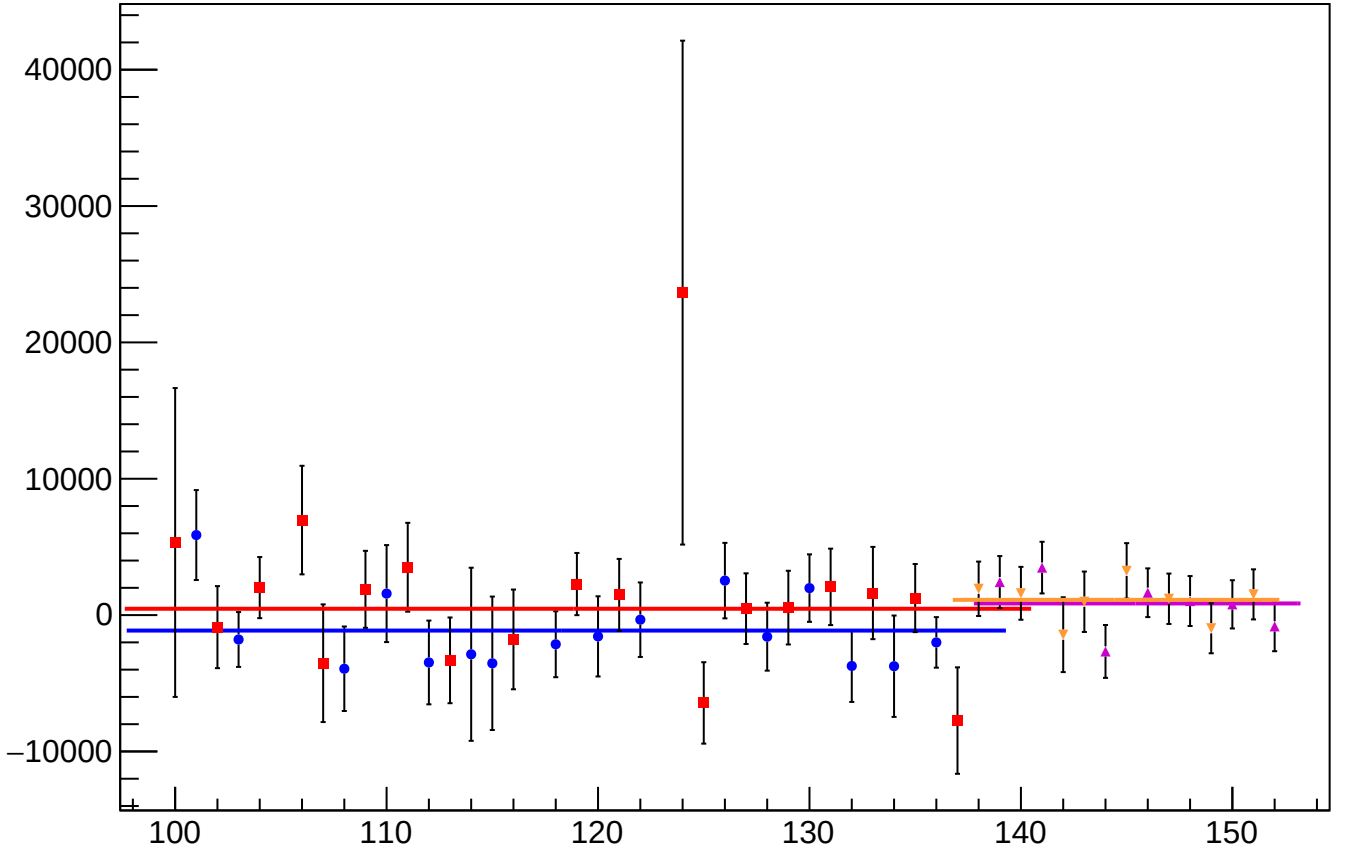
+ sign 0.000+/-0.000 χ^2/NDF: 23.1/23

All: 0.000+/-0.000 χ^2/NDF: 53.7/49

- sign 0.000+/-0.000 χ^2/NDF: 30.4/25


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:735421.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:337137.3/6
+ sign 0.000+/-0.000 χ²/NDF: 8700978.6/23
All: 0.000+/-0.000 χ²/NDF: 15088139.4/49
- sign 0.000+/-0.000 χ²/NDF: 4997171.6/25

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1118.962+/-710.165 χ^2/NDF:3.5/7

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

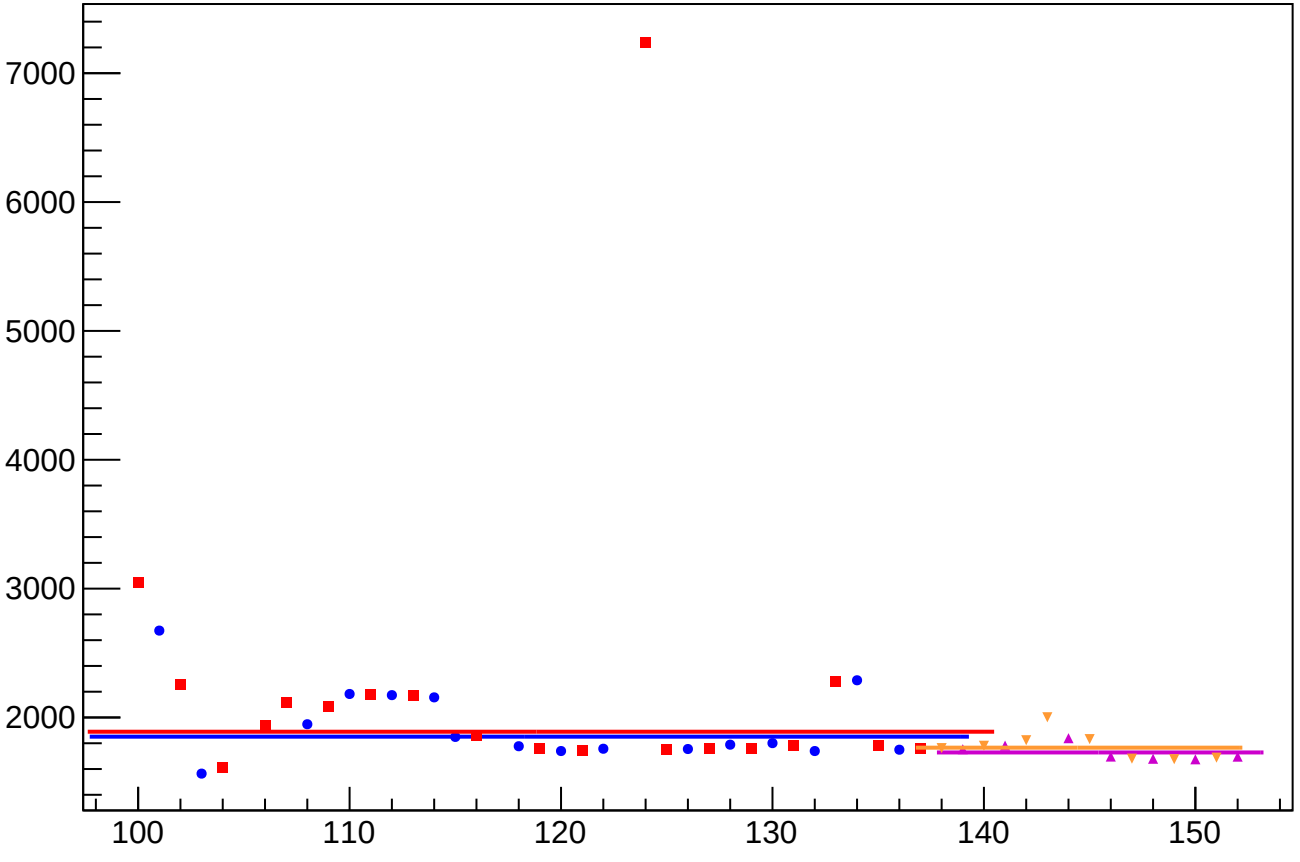
Left In: 854.691+/-698.014 χ^2/NDF:7.0/6

+ sign -34.128+/-496.269 χ^2/NDF: 20.9/23

All: 314.032+/-350.942 χ^2/NDF: 49.0/49

- sign 662.298+/-496.344 χ^2/NDF: 27.1/25

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1765.785+/-0.502 χ^2/NDF:38377.6/7

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

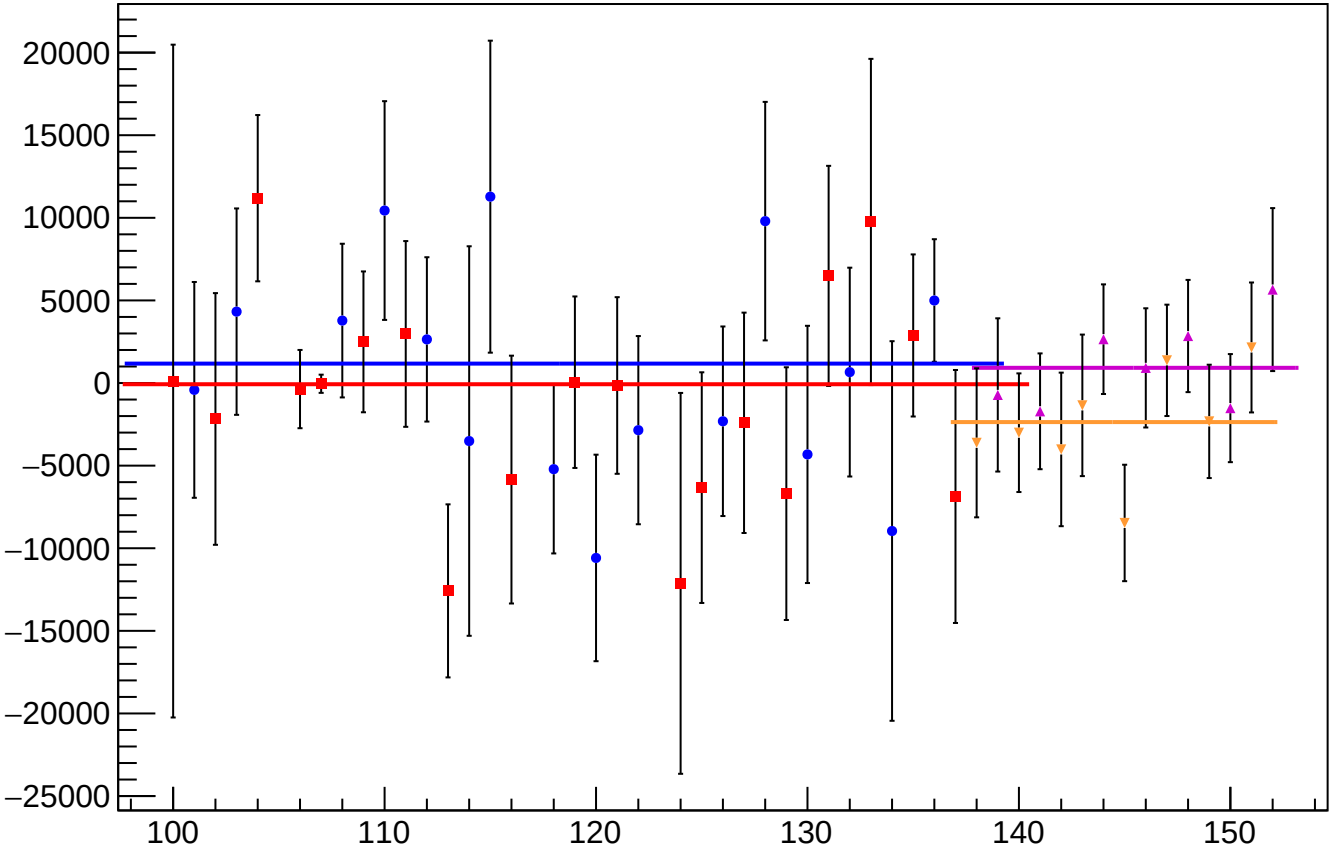
Left In: 1728.617+/-0.494 χ^2/NDF:12935.8/6

+ sign 1809.453+/-0.351 χ^2/NDF: 313138.8/23

All: 1808.902+/-0.248 χ^2/NDF: 737648.8/49

- sign 1808.352+/-0.351 χ^2/NDF: 424505.1/25

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -2363.788+/-1353.653 χ^2/NDF:5.8/7

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

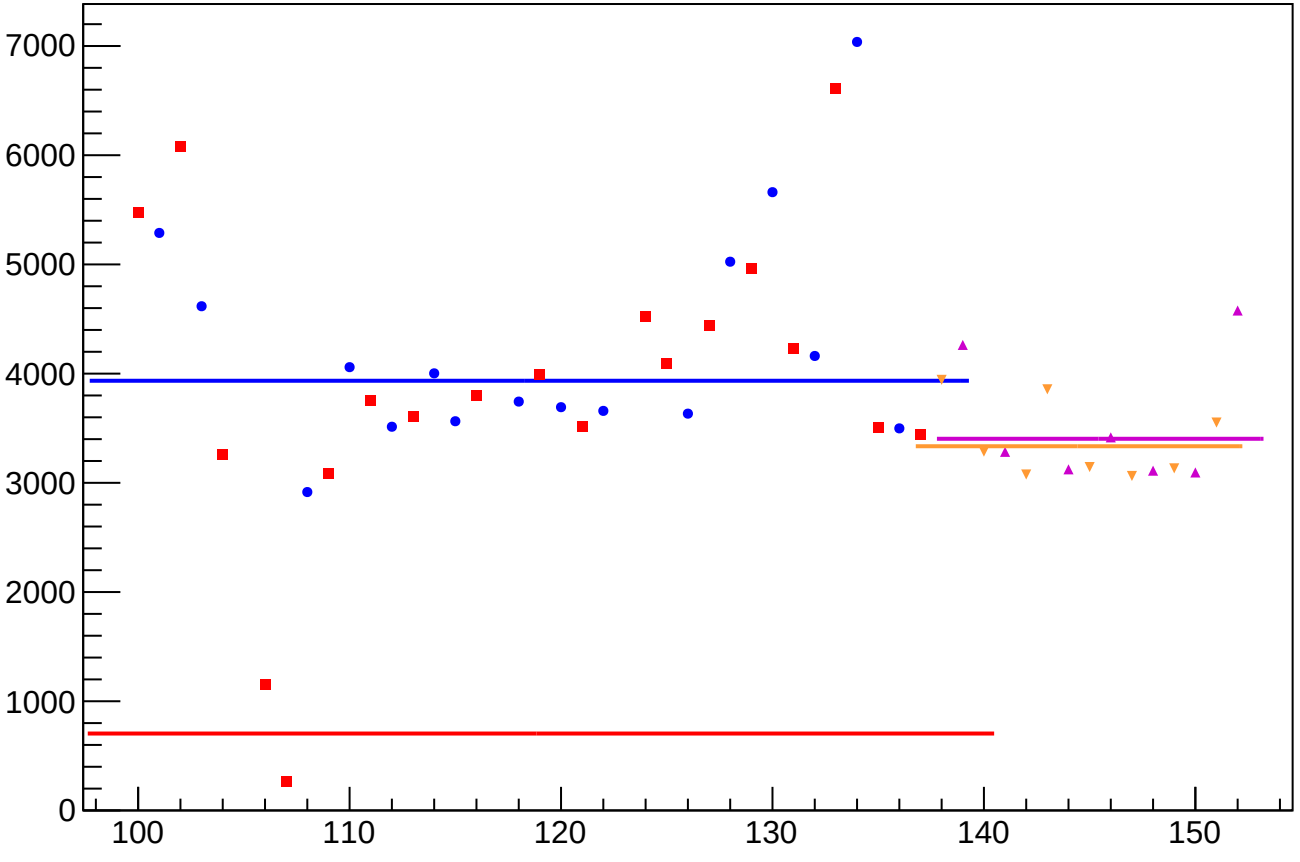
Left In: 920.543+/-1390.996 χ^2/NDF:2.8/6

+ sign -777.691+/-1005.584 χ^2/NDF: 22.6/23

All: -106.630+/-429.687 χ^2/NDF: 44.3/49

- sign 43.266+/-475.261 χ^2/NDF: 21.1/25

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3335.079+/-0.957 χ^2/NDF:104477.5/7

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

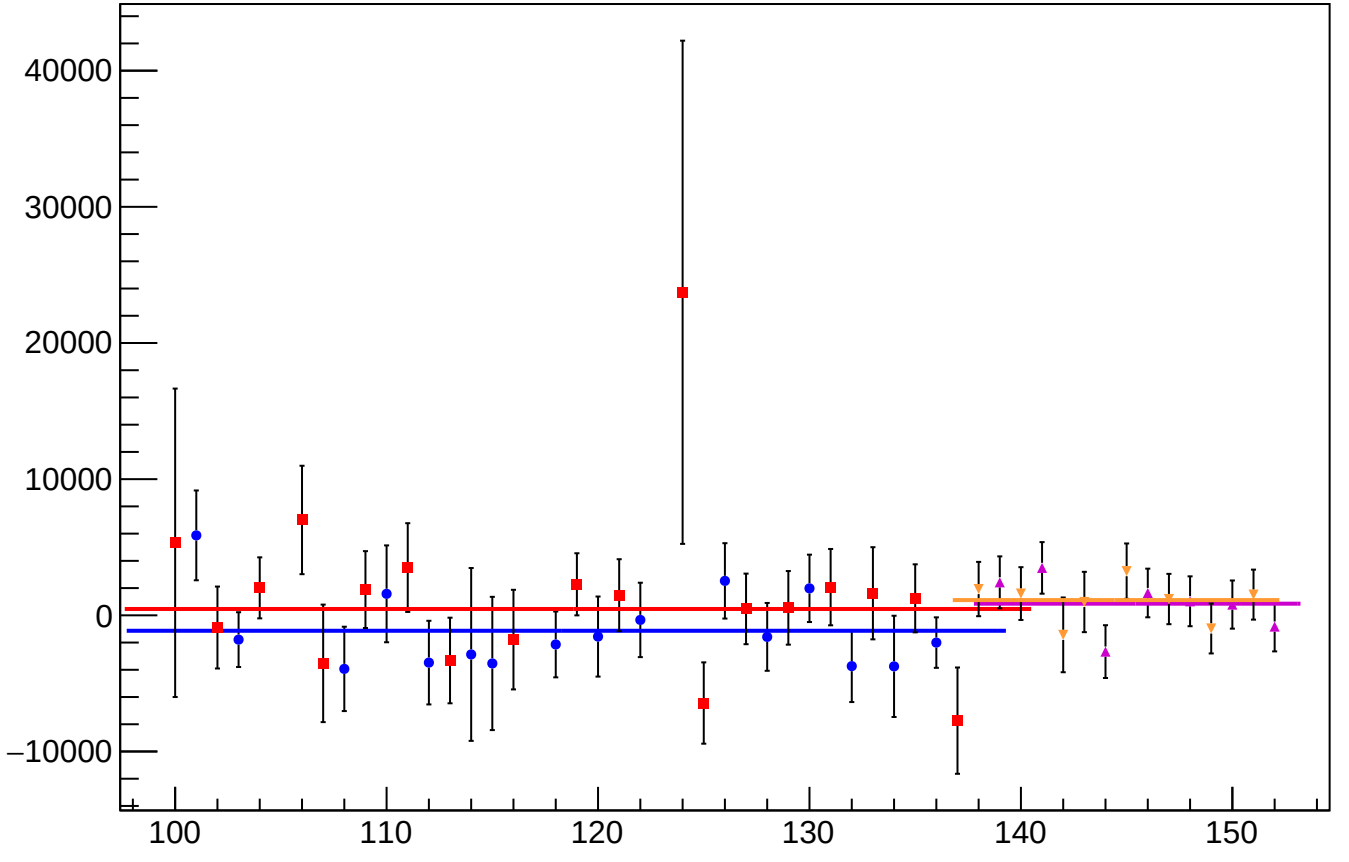
Left In: 3403.406+/-0.984 χ^2/NDF:231223.1/6

+ sign 3603.807+/-0.711 χ^2/NDF: 840483.7/23

All: 1491.330+/-0.304 χ^2/NDF: 29139057.1/4

- sign 1019.463+/-0.336 χ^2/NDF: 17500762.2/25

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1118.914+/-710.165 χ^2/NDF:3.5/7

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

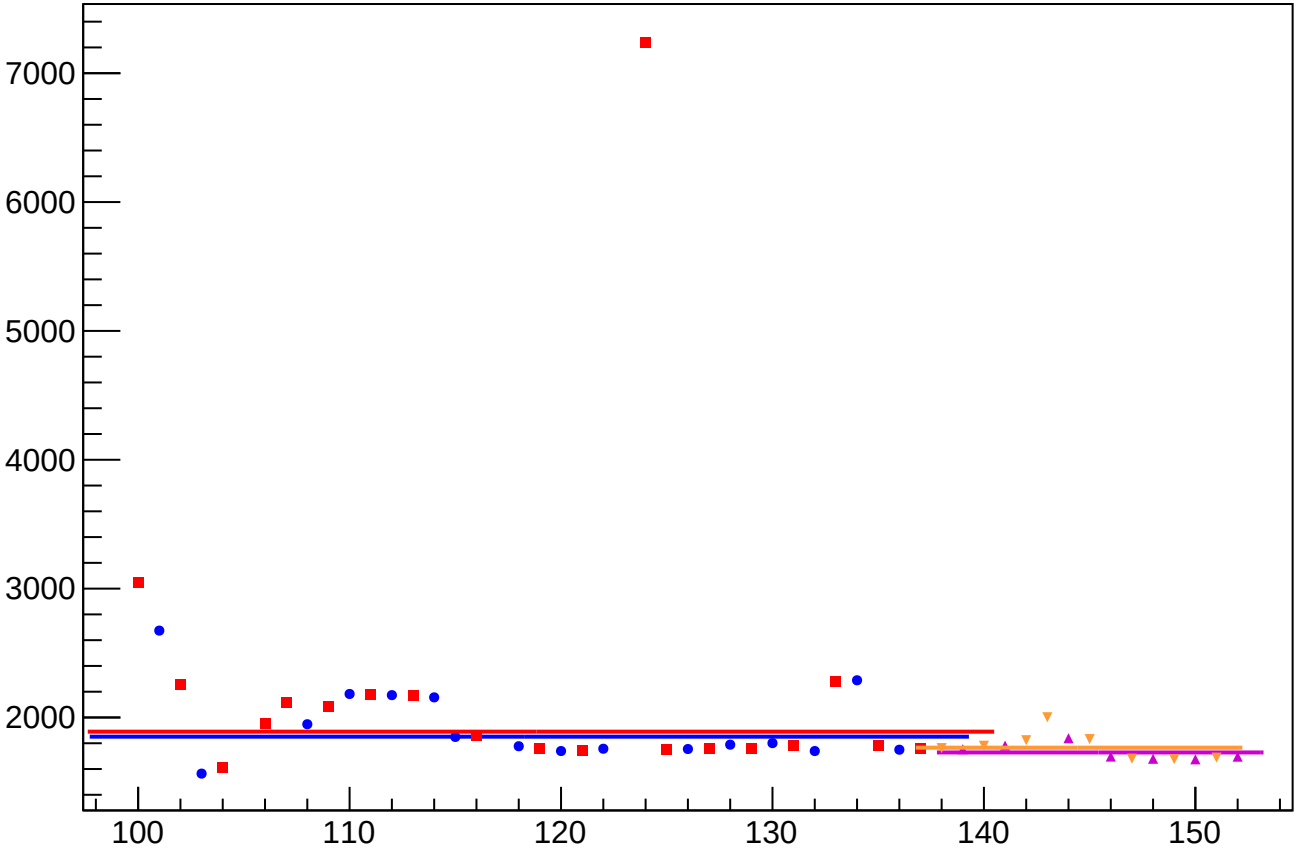
Left In: 854.642+/-698.014 χ^2/NDF:7.0/6

\+ sign -33.933+/-496.269 χ^2/NDF: 20.9/23

All: 314.211+/-350.942 χ^2/NDF: 49.1/49

\- sign 662.461+/-496.345 χ^2/NDF: 27.2/25

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1765.785+/-0.502 χ^2/NDF:38377.6/7

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

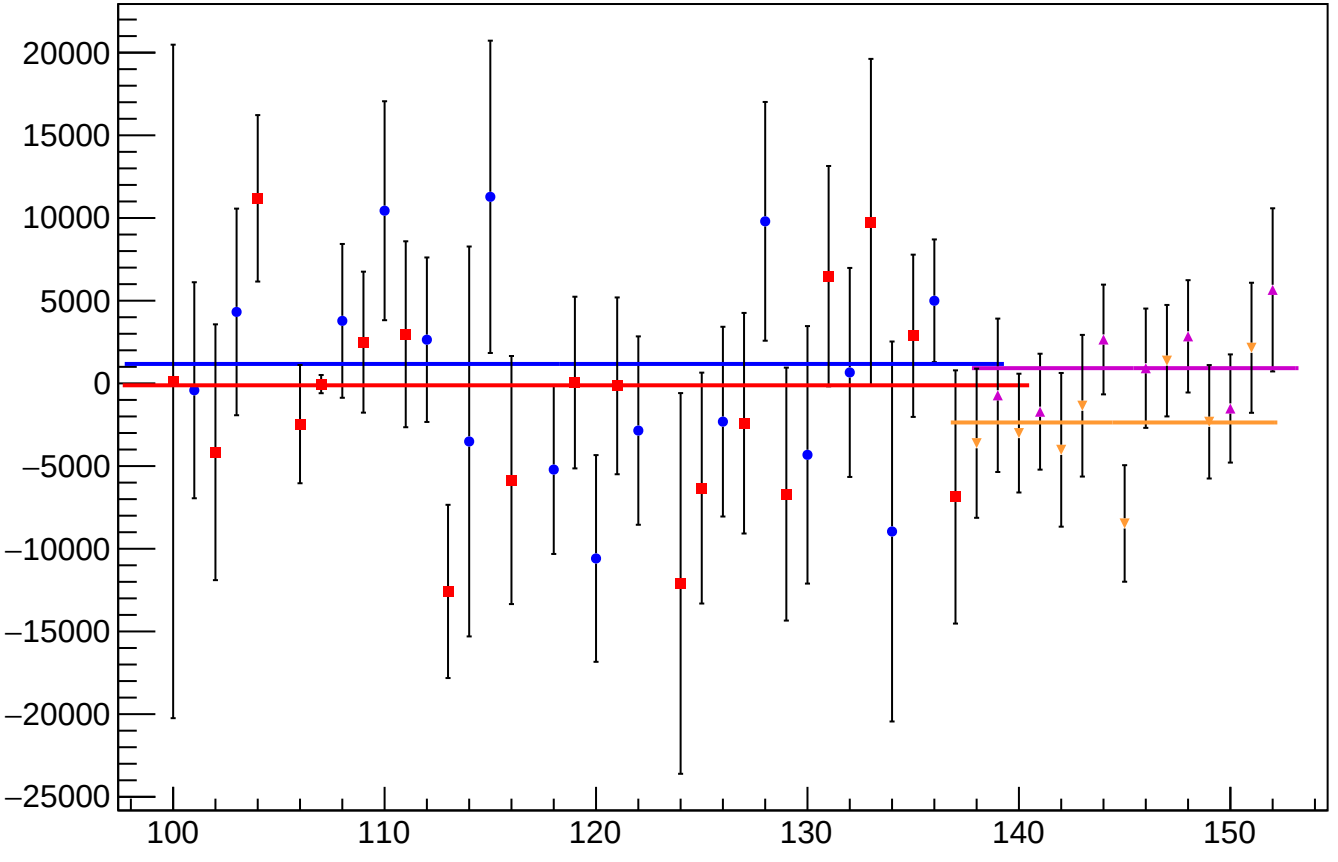
Left In: 1728.617+/-0.494 χ^2/NDF:12935.8/6

+ sign 1809.453+/-0.351 χ^2/NDF: 313138.1/23

All: 1809.007+/-0.248 χ^2/NDF: 738154.4/49

- sign 1808.561+/-0.351 χ^2/NDF: 425013.1/25

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -2363.879+/-1353.648 χ^2/NDF:5.8/7

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

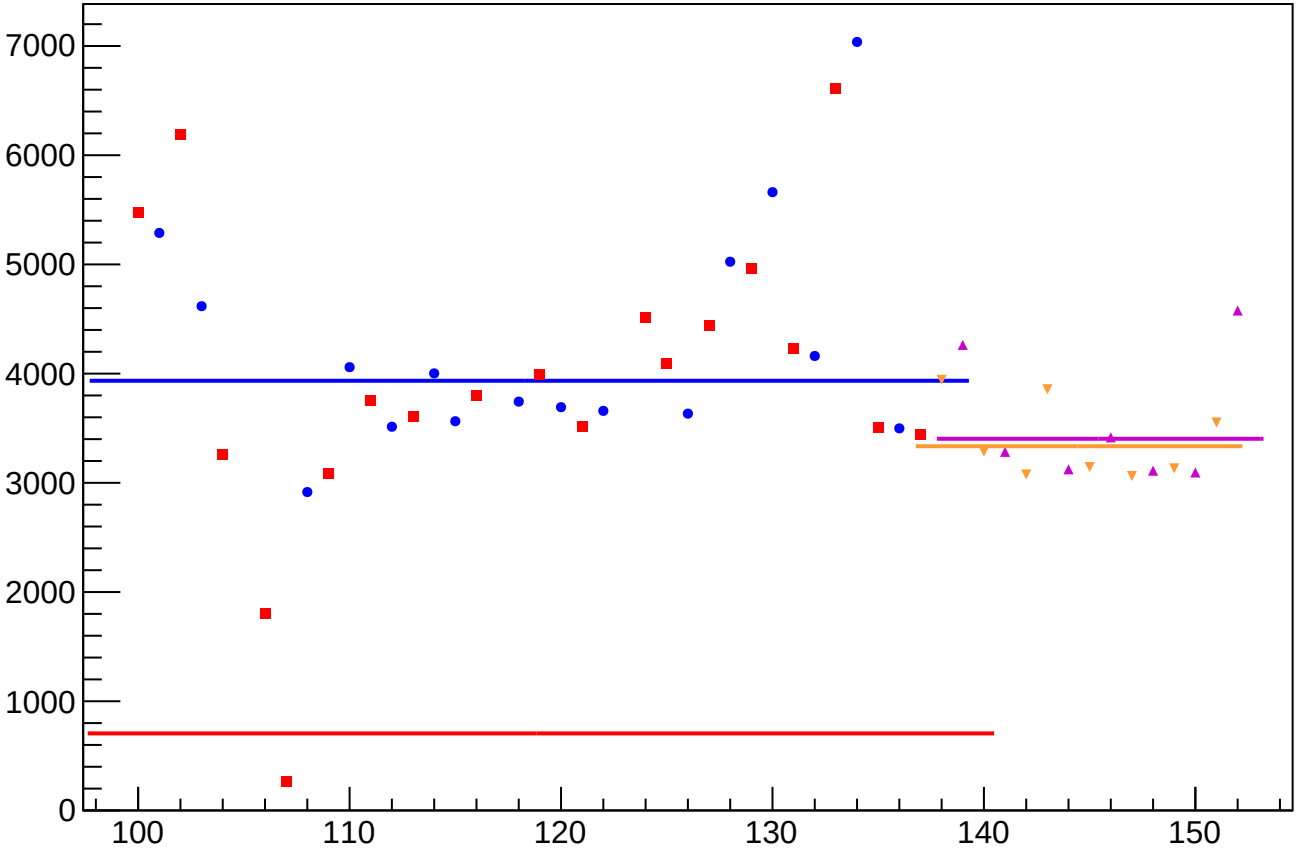
Left In: 920.552+/-1390.997 χ^2/NDF:2.8/6

+ sign -777.764+/-1005.583 χ^2/NDF: 22.6/23

All: -138.271+/-433.712 χ^2/NDF: 44.9/49

- sign 7.876+/-480.723 χ^2/NDF: 21.8/25

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3335.066+/-0.957 χ^2/NDF:104481.8/7

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

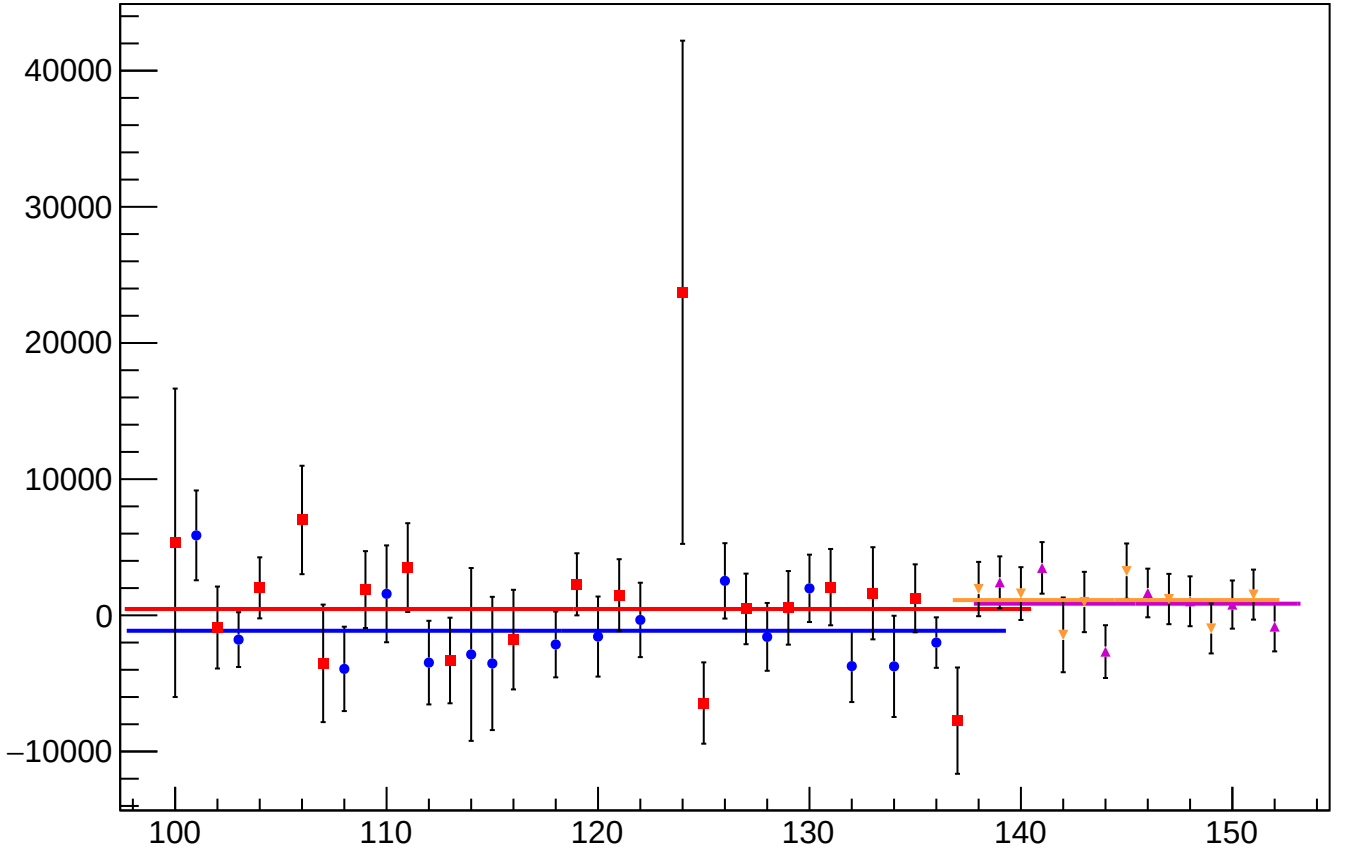
Left In: 3403.409+/-0.984 χ^2/NDF:231222.7/6

+ sign 3603.801+/-0.711 χ^2/NDF: 840524.4/23

All: 1507.024+/-0.307 χ^2/NDF: 29126292.8/4

- sign 1027.835+/-0.340 χ^2/NDF: 17602941.3/25

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1118.914+/-710.165 χ^2/NDF:3.5/7

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

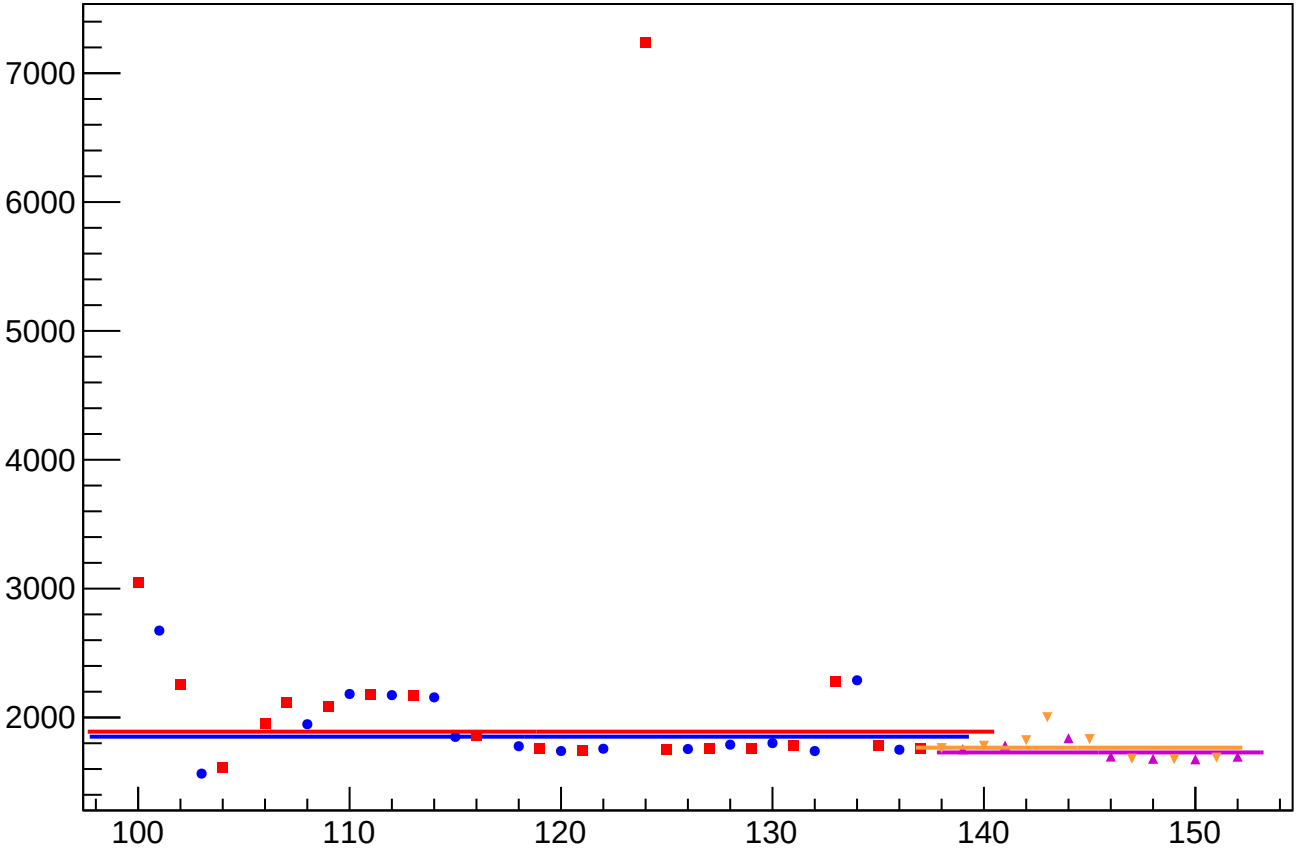
Left In: 854.642+/-698.014 χ^2/NDF:7.0/6

+ sign -33.933+/-496.269 χ^2/NDF: 20.9/23

All: 314.211+/-350.942 χ^2/NDF: 49.1/49

- sign 662.461+/-496.345 χ^2/NDF: 27.2/25

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1765.785+/-0.502 χ^2/NDF:38377.6/7

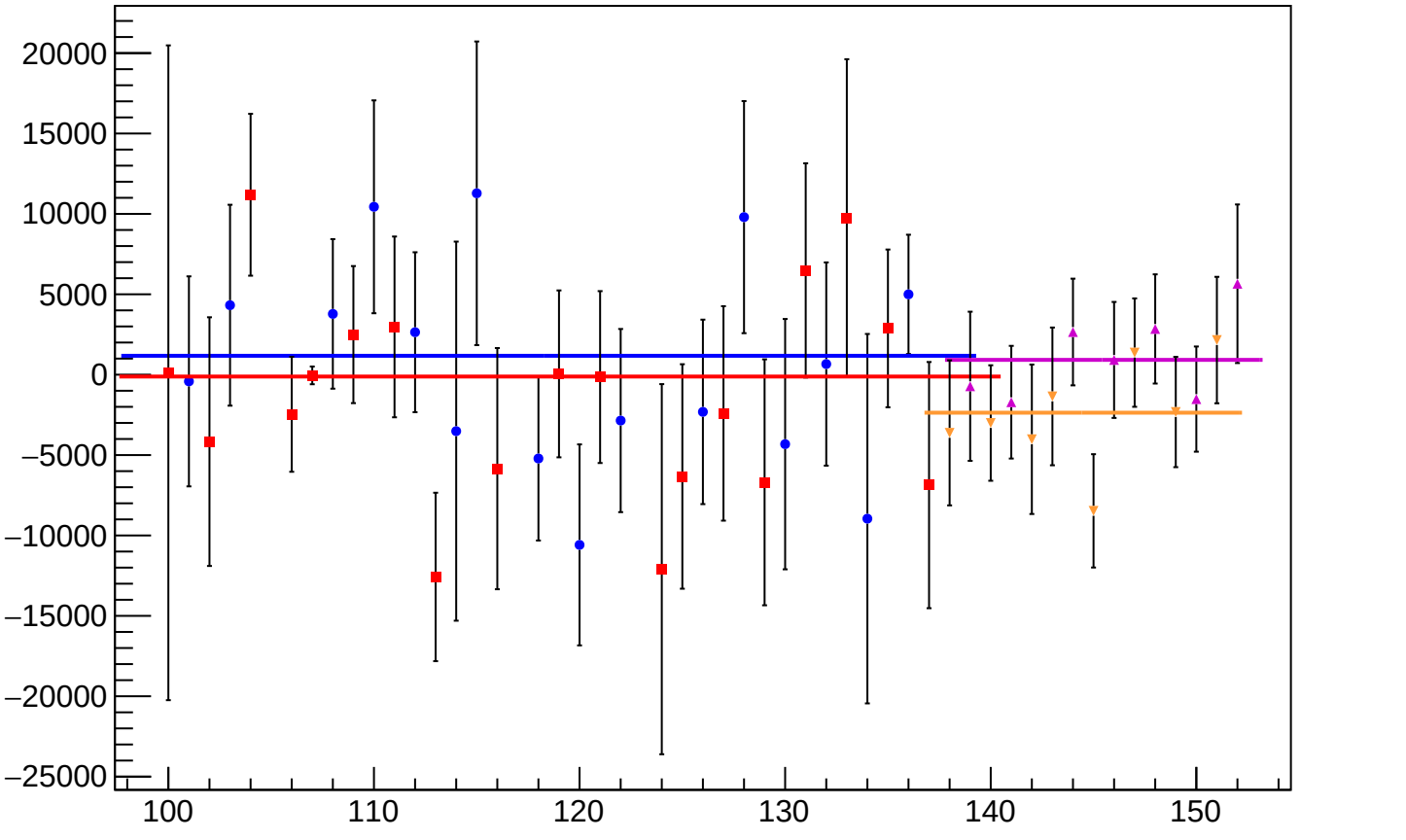
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1728.617+/-0.494 χ^2/NDF:12935.8/6

+ sign 1809.453+/-0.351 χ^2/NDF: 313138.1/23

All: 1809.007+/-0.248 χ^2/NDF: 738154.4/49

- sign 1808.561+/-0.351 χ^2/NDF: 425013.1/25



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -2363.879+/-1353.648 χ^2/NDF:5.8/7

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

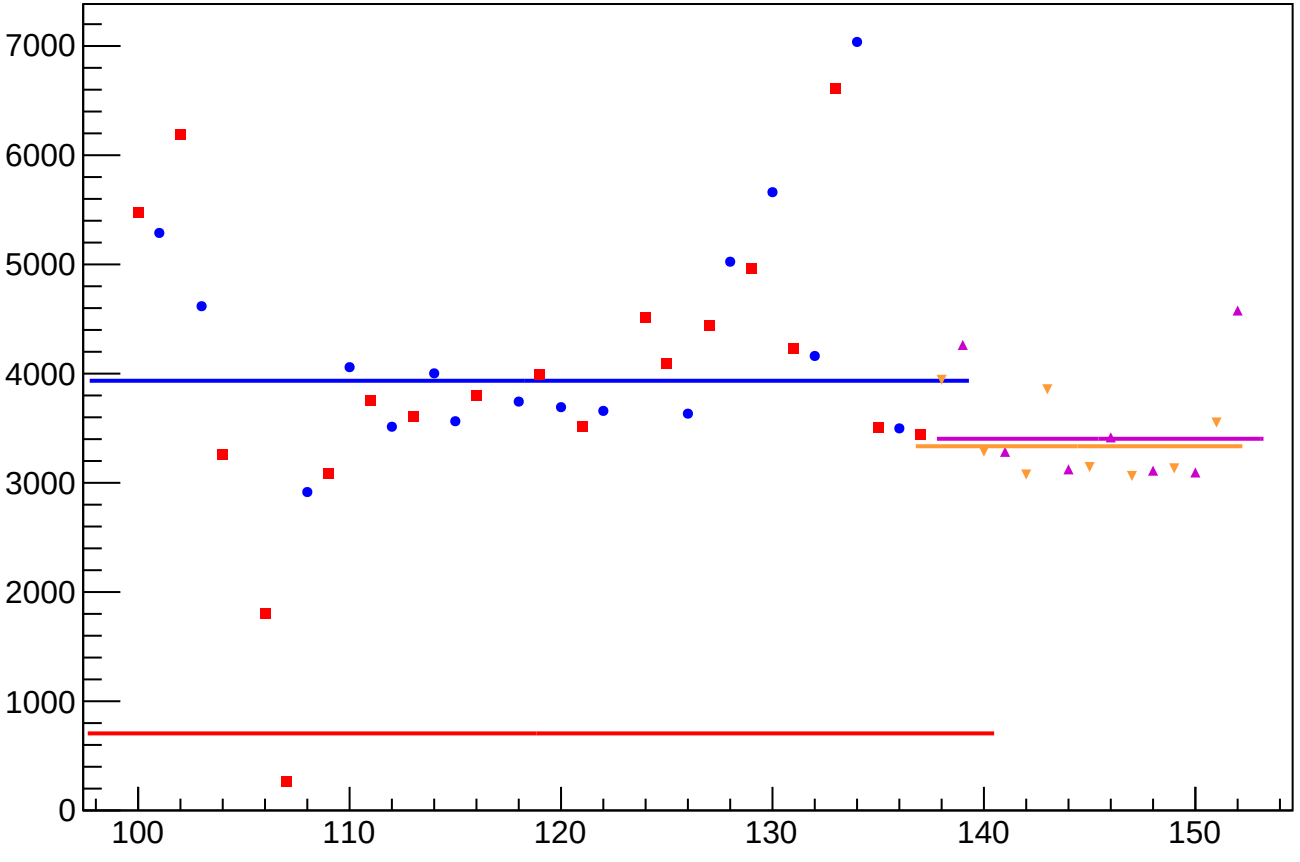
Left In: 920.552+/-1390.997 χ^2/NDF:2.8/6

\+ sign -777.764+/-1005.583 χ^2/NDF: 22.6/23

All: -138.271+/-433.712 χ^2/NDF: 44.9/49

\- sign 7.876+/-480.723 χ^2/NDF: 21.8/25

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3335.066+/-0.957 χ^2/NDF:104481.8/7

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

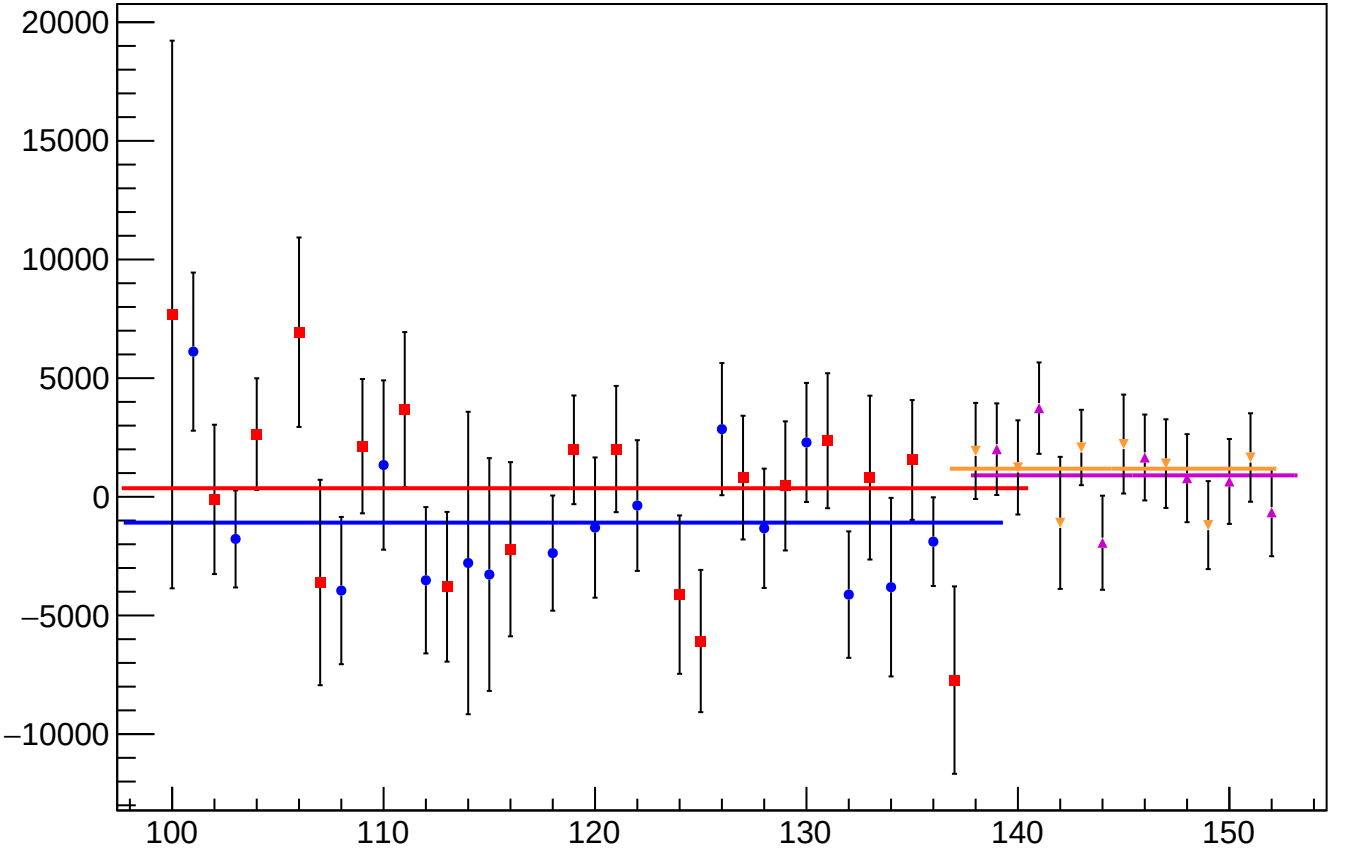
Left In: 3403.409+/-0.984 χ^2/NDF:231222.7/6

+ sign 3603.801+/-0.711 χ^2/NDF: 840524.4/23

All: 1507.024+/-0.307 χ^2/NDF: 29126292.8/4

- sign 1027.835+/-0.340 χ^2/NDF: 17602941.3/25

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1184.700+/-687.015 χ^2/NDF:3.1/7

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

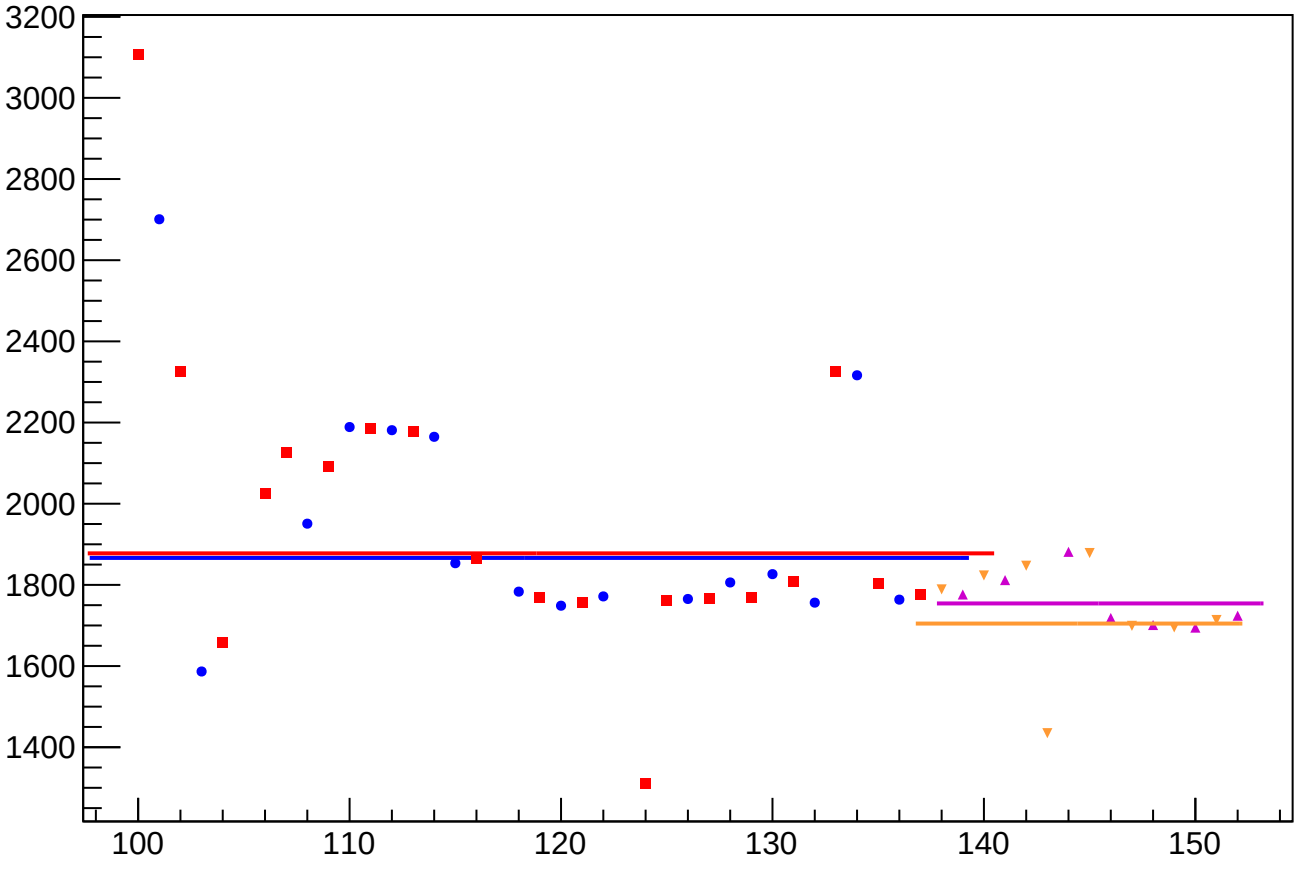
Left In: 903.163+/-708.462 χ^2/NDF:5.4/6

+ sign 69.073+/-490.175 χ^2/NDF: 21.6/23

All: 344.608+/-349.277 χ^2/NDF: 48.9/49

- sign 628.805+/-497.819 χ^2/NDF: 26.6/25

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1704.705+/-0.486 χ^2/NDF:87710.0/7

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

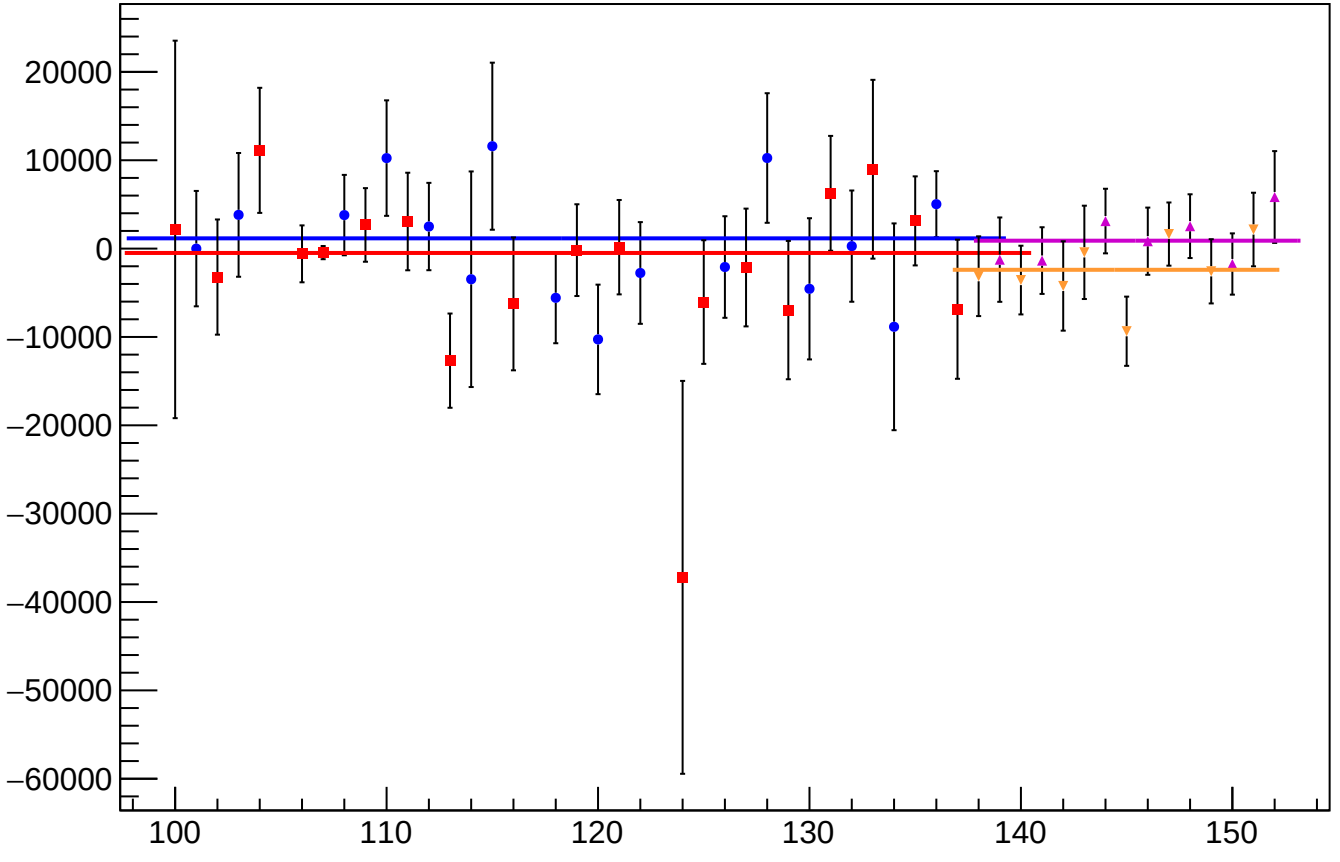
Left In: 1754.284+/-0.501 χ^2/NDF:15447.2/6

+ sign 1784.115+/-0.347 χ^2/NDF: 398399.6/23

All: 1800.208+/-0.247 χ^2/NDF: 700804.9/49

- sign 1816.793+/-0.352 χ^2/NDF: 298027.8/25

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -2399.020+/-1463.438 χ^2/NDF:6.0/7

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

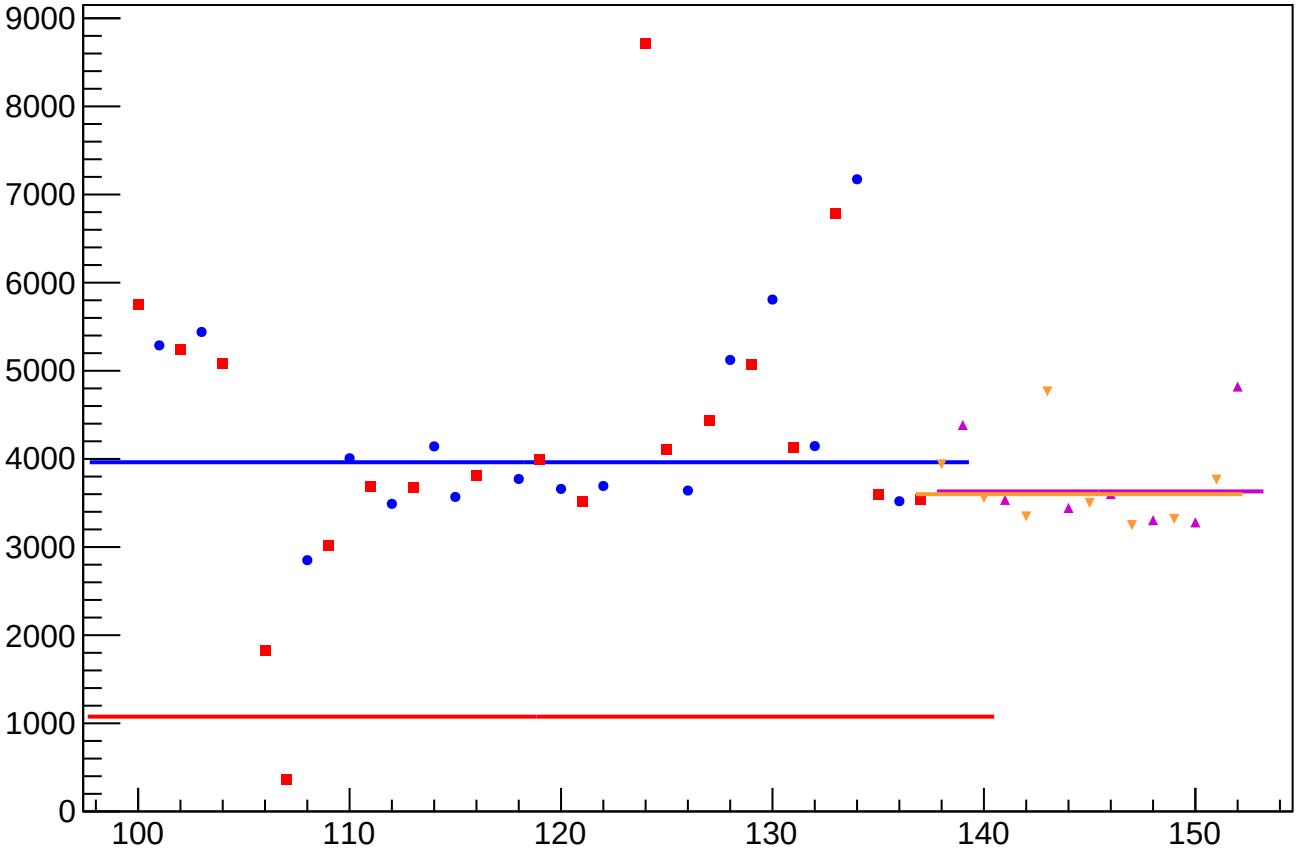
Left In: 896.041+/-1482.317 χ^2/NDF:2.6/6

\+ sign -677.303+/-1051.631 χ^2/NDF: 22.5/23

All: -365.938+/-522.322 χ^2/NDF: 42.9/49

\- sign -263.975+/-601.799 χ^2/NDF: 20.3/25

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3600.009+/-1.035 χ^2/NDF:149594.8/7

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

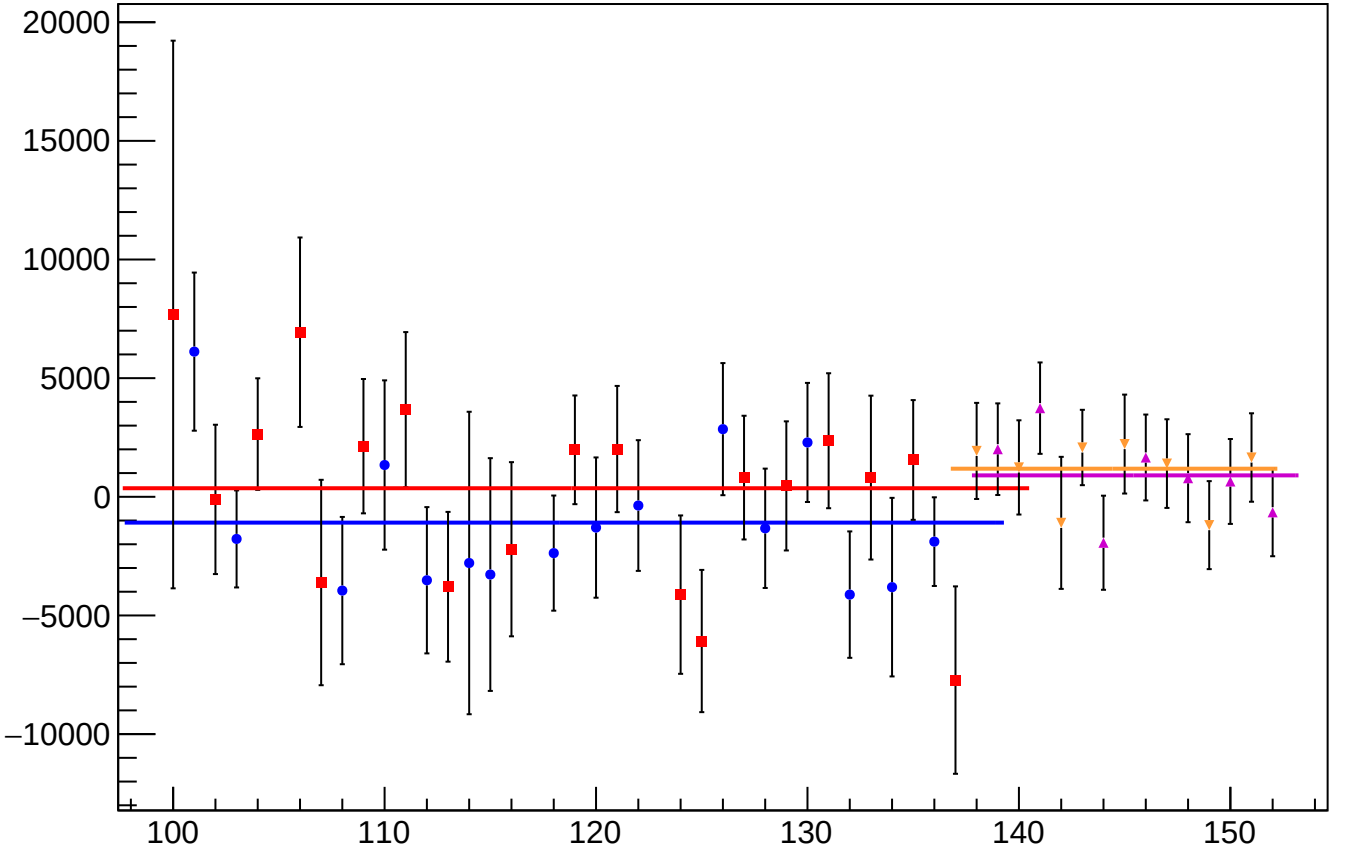
Left In: 3631.460+/-1.048 χ^2/NDF:198261.4/6

+ sign 3775.249+/-0.744 χ^2/NDF: 877234.3/23

All: 2059.144+/-0.369 χ^2/NDF: 22668347.0/4

- sign 1497.166+/-0.426 χ^2/NDF: 14721166.4/25

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1184.694+/-687.016 χ^2/NDF:3.1/7

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

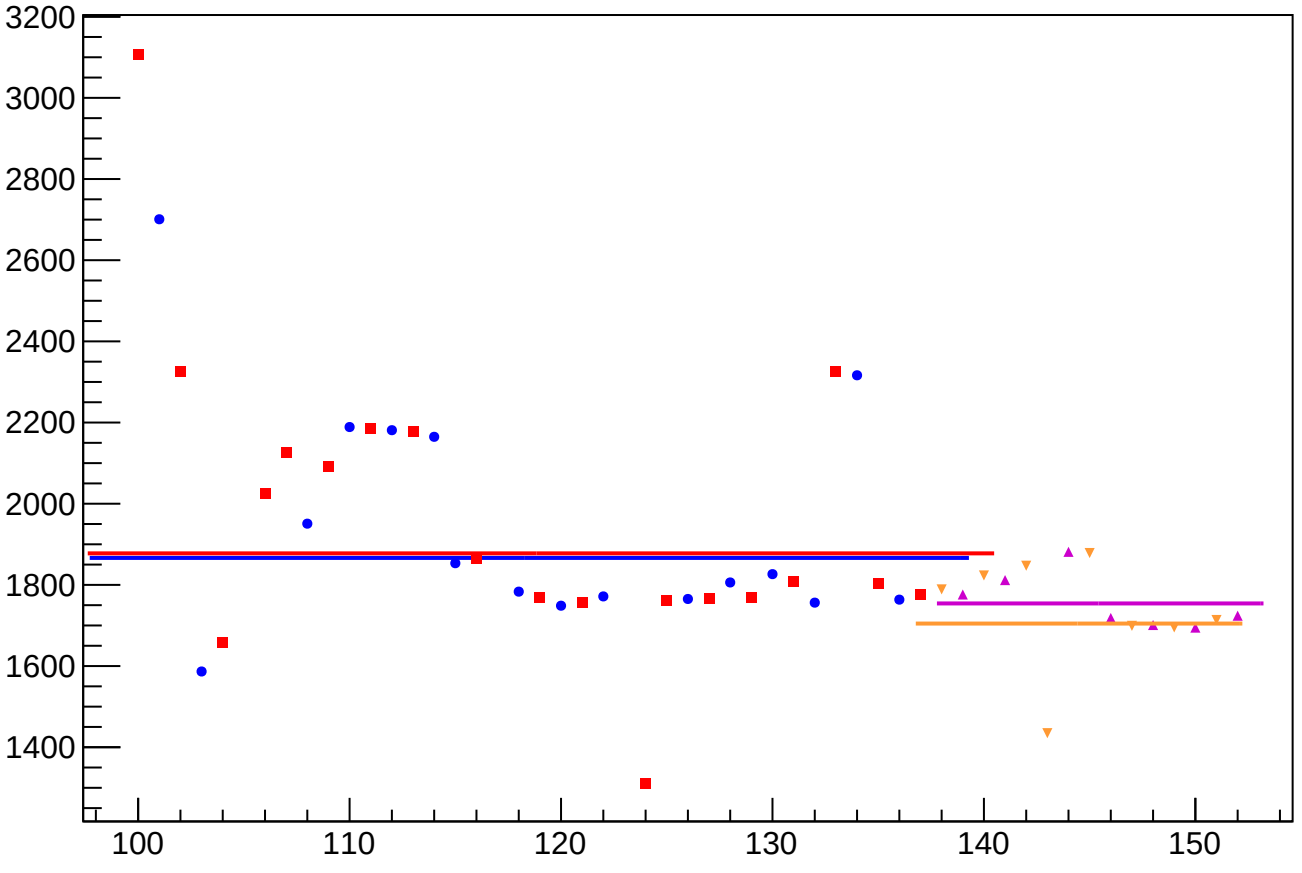
Left In: 903.160+/-708.462 χ^2/NDF:5.4/6

+ sign 69.067+/-490.175 χ^2/NDF: 21.6/23

All: 344.606+/-349.277 χ^2/NDF: 48.9/49

- sign 628.806+/-497.819 χ^2/NDF: 26.6/25

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1704.706+/-0.486 χ^2/NDF:87709.1/7

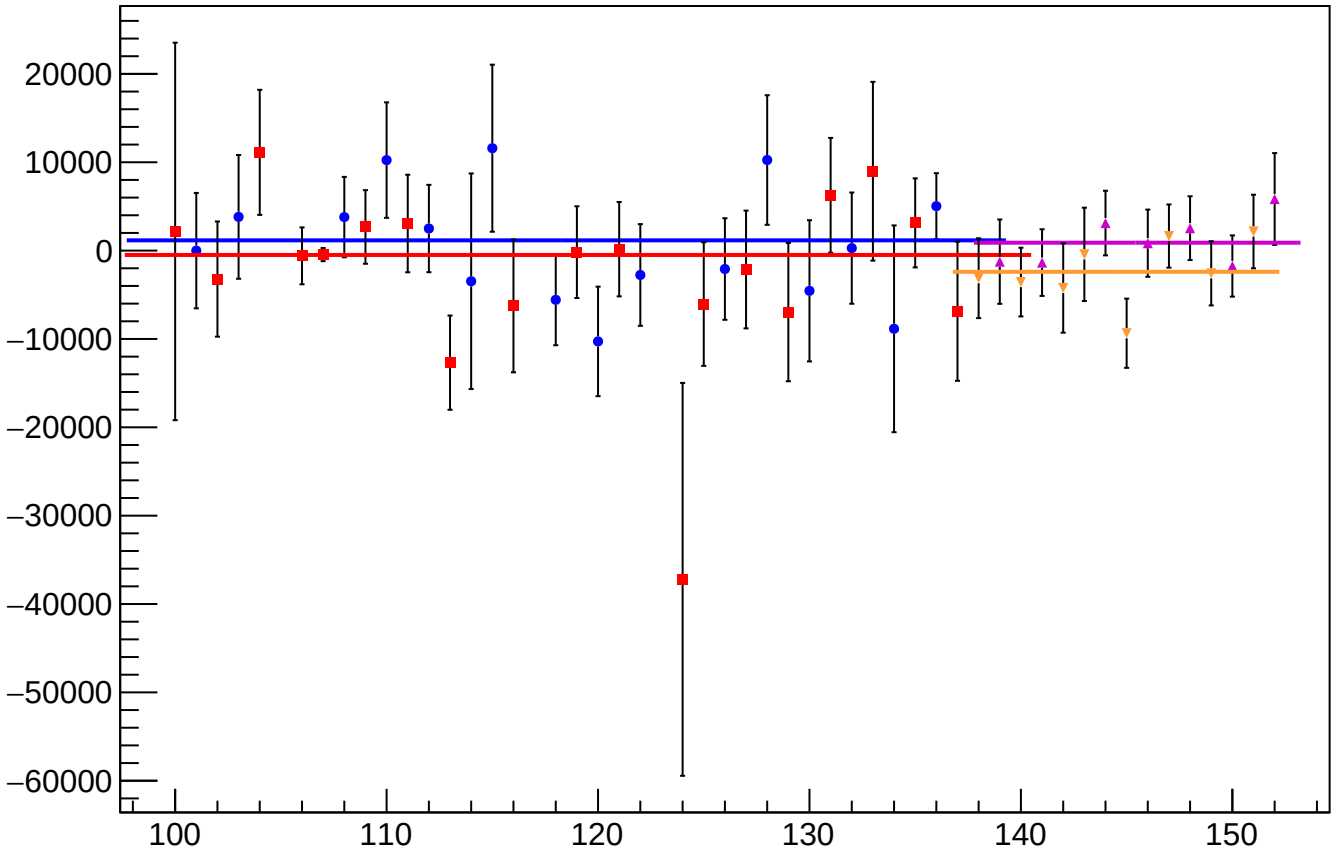
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1754.285+/-0.501 χ^2/NDF:15447.1/6

+ sign 1784.116+/-0.347 χ^2/NDF: 398397.8/23

All: 1800.209+/-0.247 χ^2/NDF: 700803.1/49

- sign 1816.794+/-0.352 χ^2/NDF: 298027.8/25



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -2399.023+/-1463.439 χ^2/NDF:6.0/7

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

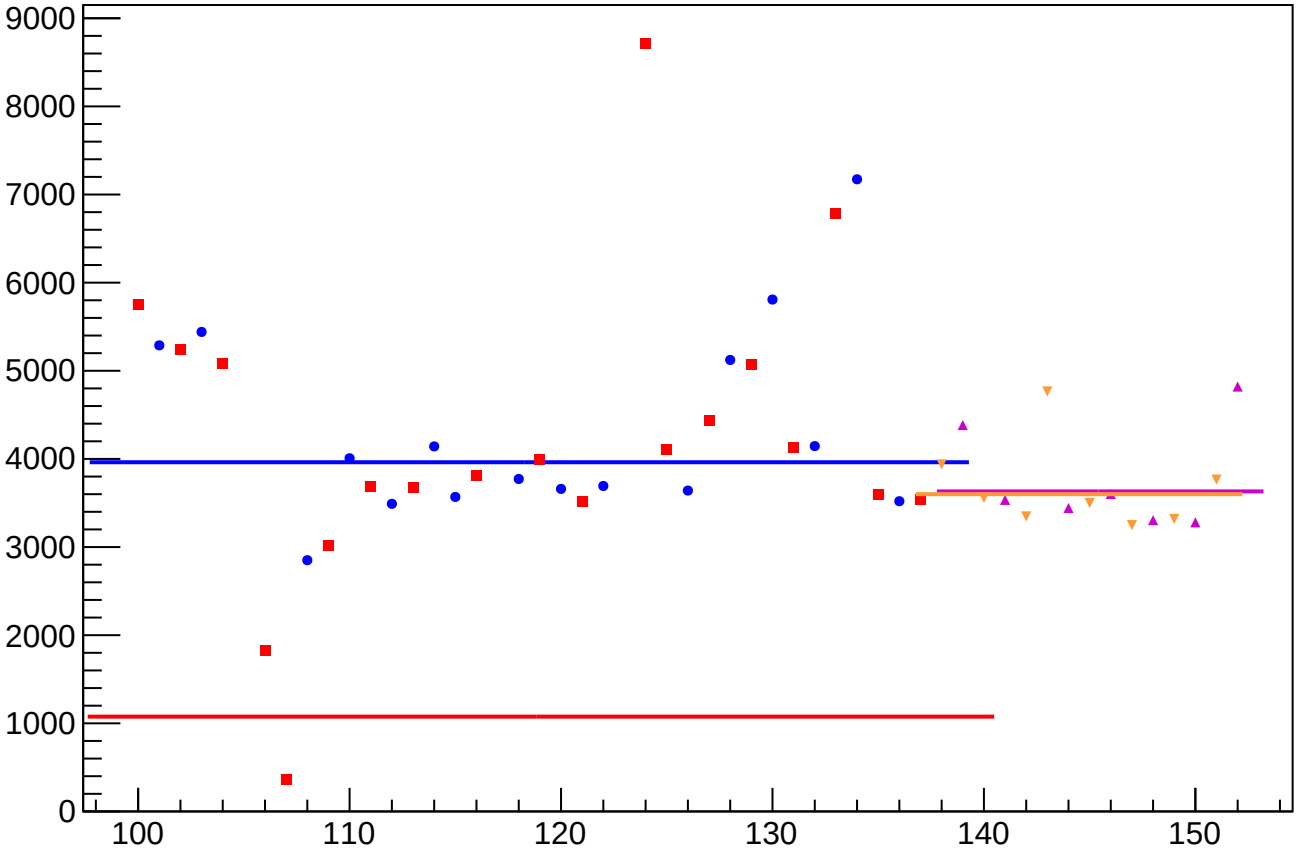
Left In: 896.038+/-1482.319 χ^2/NDF:2.6/6

\+ sign -677.309+/-1051.631 χ^2/NDF: 22.5/23

All: -365.943+/-522.328 χ^2/NDF: 42.9/49

\- sign -263.976+/-601.808 χ^2/NDF: 20.3/25

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3600.013+/-1.035 χ^2/NDF:149593.2/7

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

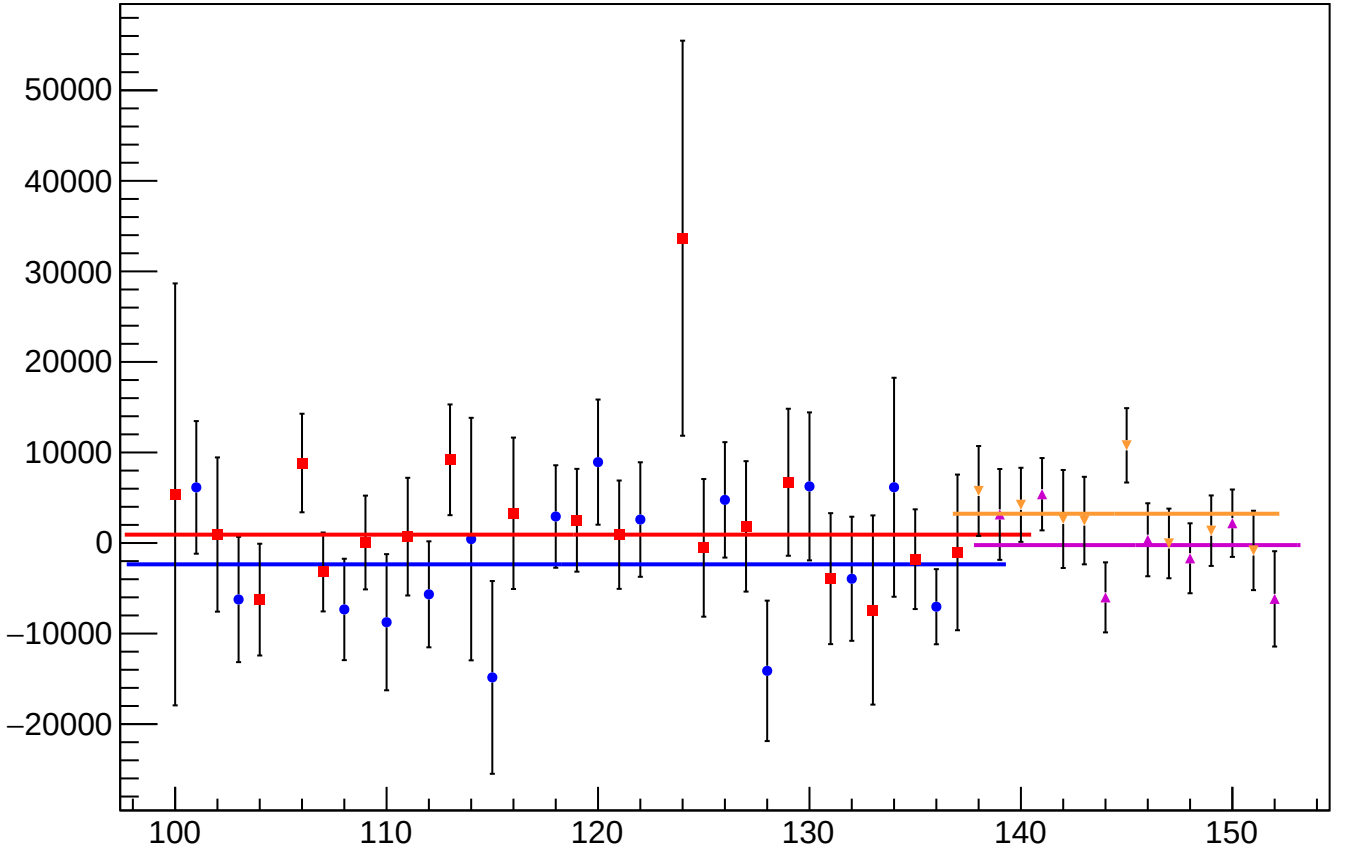
Left In: 3631.465+/-1.048 χ^2/NDF:198260.7/6

+ sign 3775.248+/-0.744 χ^2/NDF: 877225.7/23

All: 2059.184+/-0.369 χ^2/NDF: 22667790.9/4

- sign 1497.203+/-0.426 χ^2/NDF: 14720897.6/25

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 3234.368+/-1538.958 χ^2/NDF:5.5/7

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

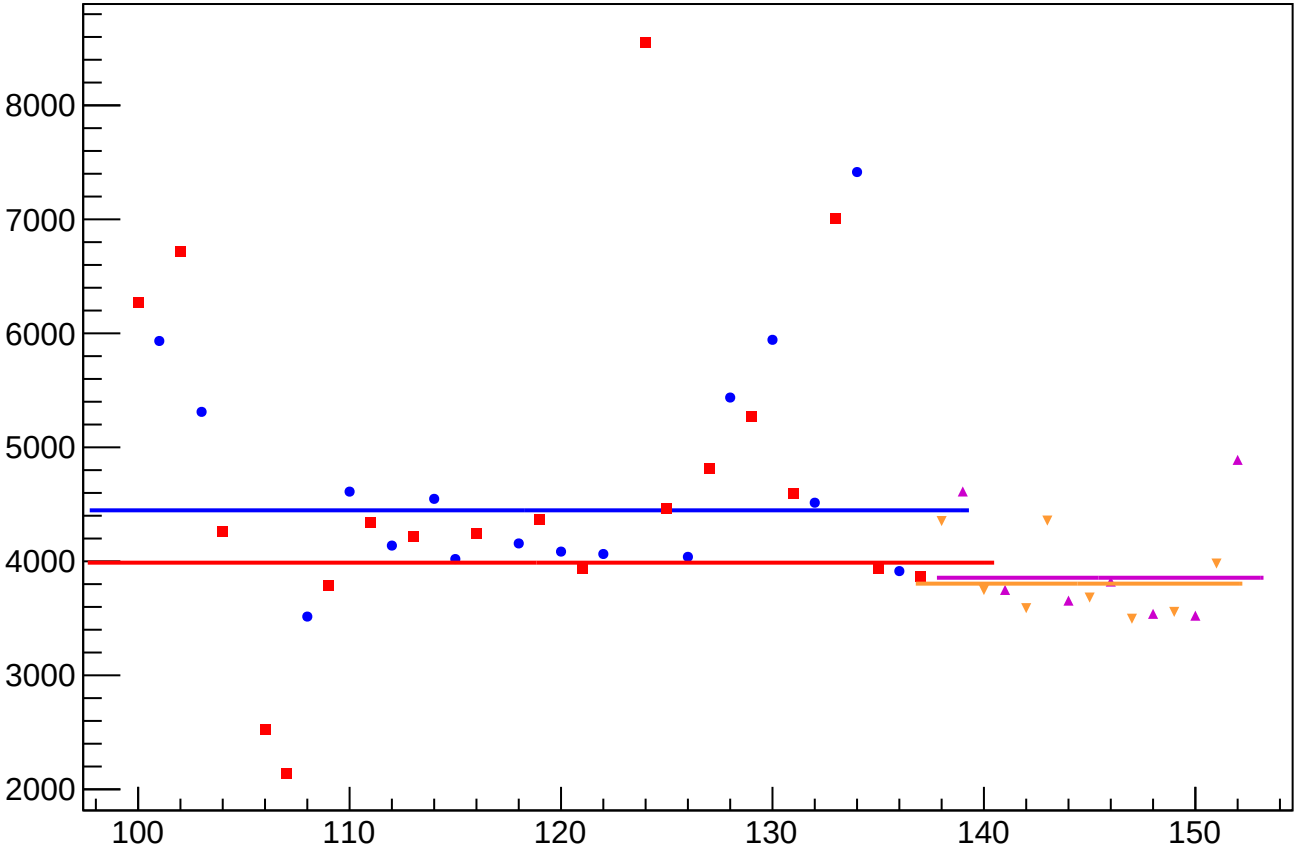
Left In: -230.422+/-1569.355 χ^2/NDF:6.5/6

+ sign 692.071+/-1136.271 χ^2/NDF: 27.1/23

All: 518.617+/-790.949 χ^2/NDF: 44.5/49

- sign 355.566+/-1101.673 χ^2/NDF: 17.4/25

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3804.238+/-1.088 χ^2/NDF:80135.5/7

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

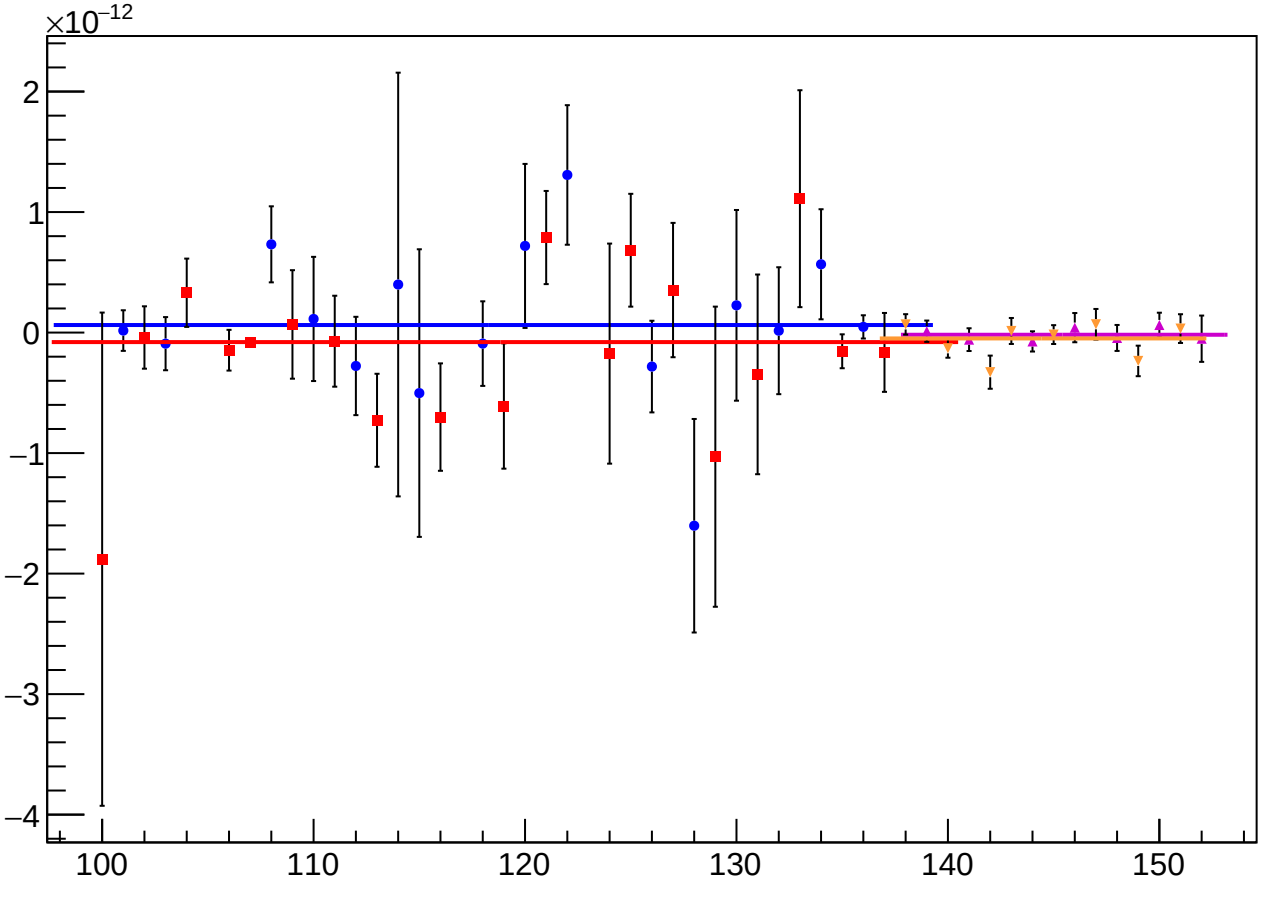
Left In: 3855.998+/-1.110 χ^2/NDF:159032.7/6

+ sign 4096.796+/-0.803 χ^2/NDF: 697286.7/23

All: 4007.152+/-0.558 χ^2/NDF: 2031558.1/49

- sign 3923.736+/-0.775 χ^2/NDF: 1310239.7/25

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:11.1/7

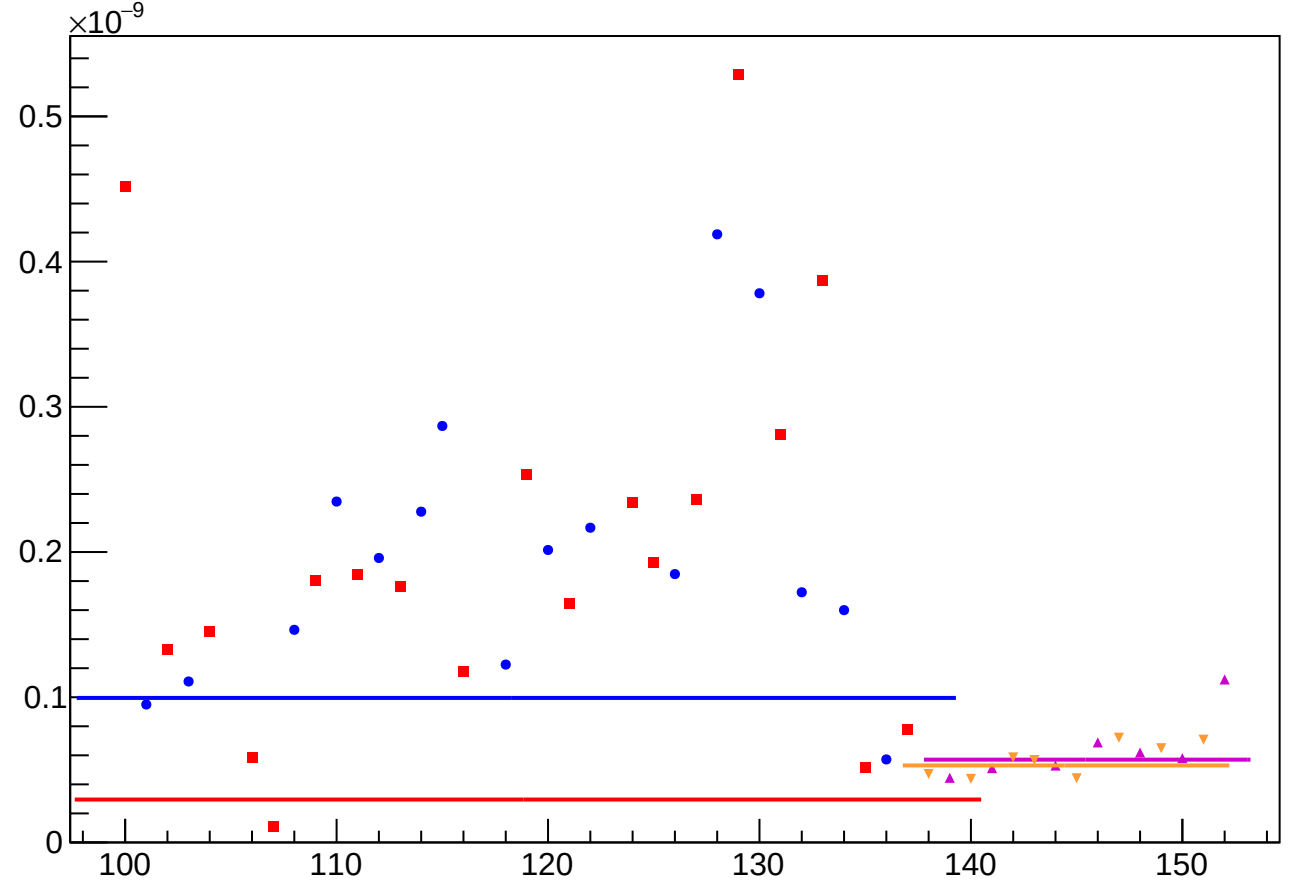
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 30.7/23

All: -0.000+/-0.000 χ^2/NDF: 54.3/49

- sign -0.000+/-0.000 χ^2/NDF: 23.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:175309.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

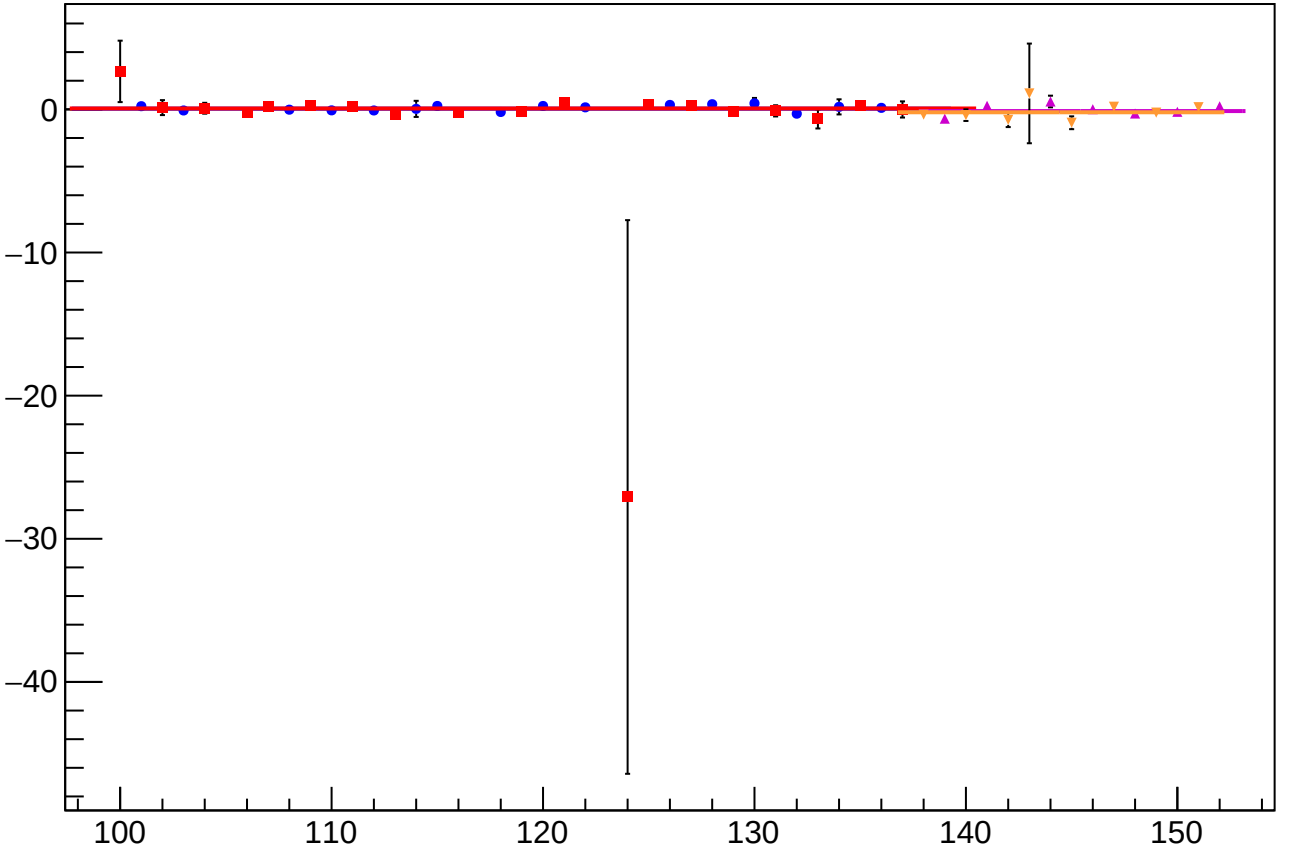
Left In: 0.000+/-0.000 χ^2/NDF:241190.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 2472848.0/23

All: 0.000+/-0.000 χ^2/NDF: 8235775.0/49

- sign 0.000+/-0.000 χ^2/NDF: 5180182.7/25

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.203+/-0.126 χ^2/NDF:7.7/7

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

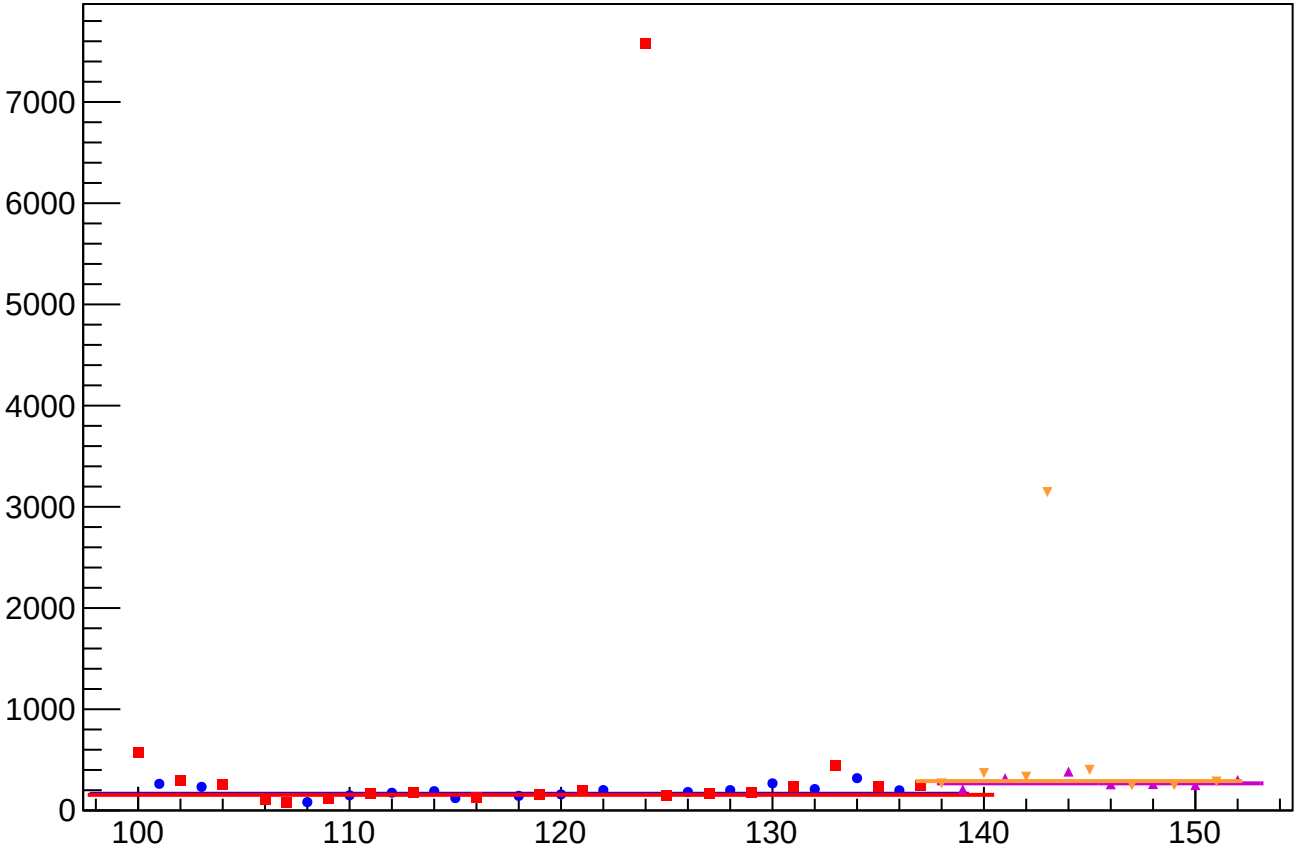
Left In: -0.119+/-0.111 χ^2/NDF:10.5/6

+ sign -0.006+/-0.059 χ^2/NDF: 18.4/23

All: 0.006+/-0.040 χ^2/NDF: 49.3/49

- sign 0.016+/-0.056 χ^2/NDF: 30.8/25

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 290.253+/-0.089 χ^2/NDF:1663186.8/7

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

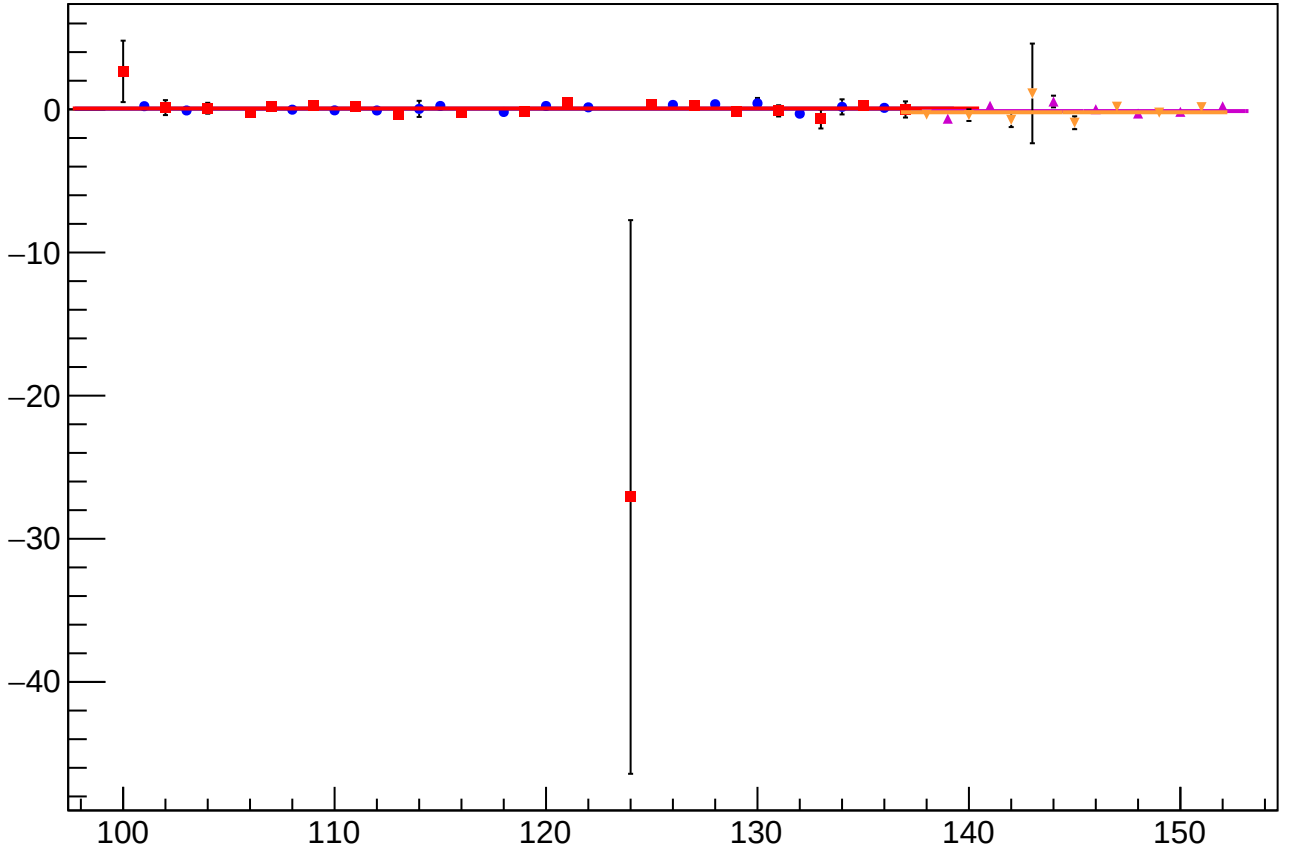
Left In: 267.812+/-0.079 χ^2/NDF:360722.8/6

+ sign 191.955+/-0.042 χ^2/NDF: 4678618.4/23

All: 187.199+/-0.029 χ^2/NDF: 8546458.9/49

- sign 182.929+/-0.039 χ^2/NDF: 3843010.6/25

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.203+/-0.126 χ^2/NDF:7.7/7

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

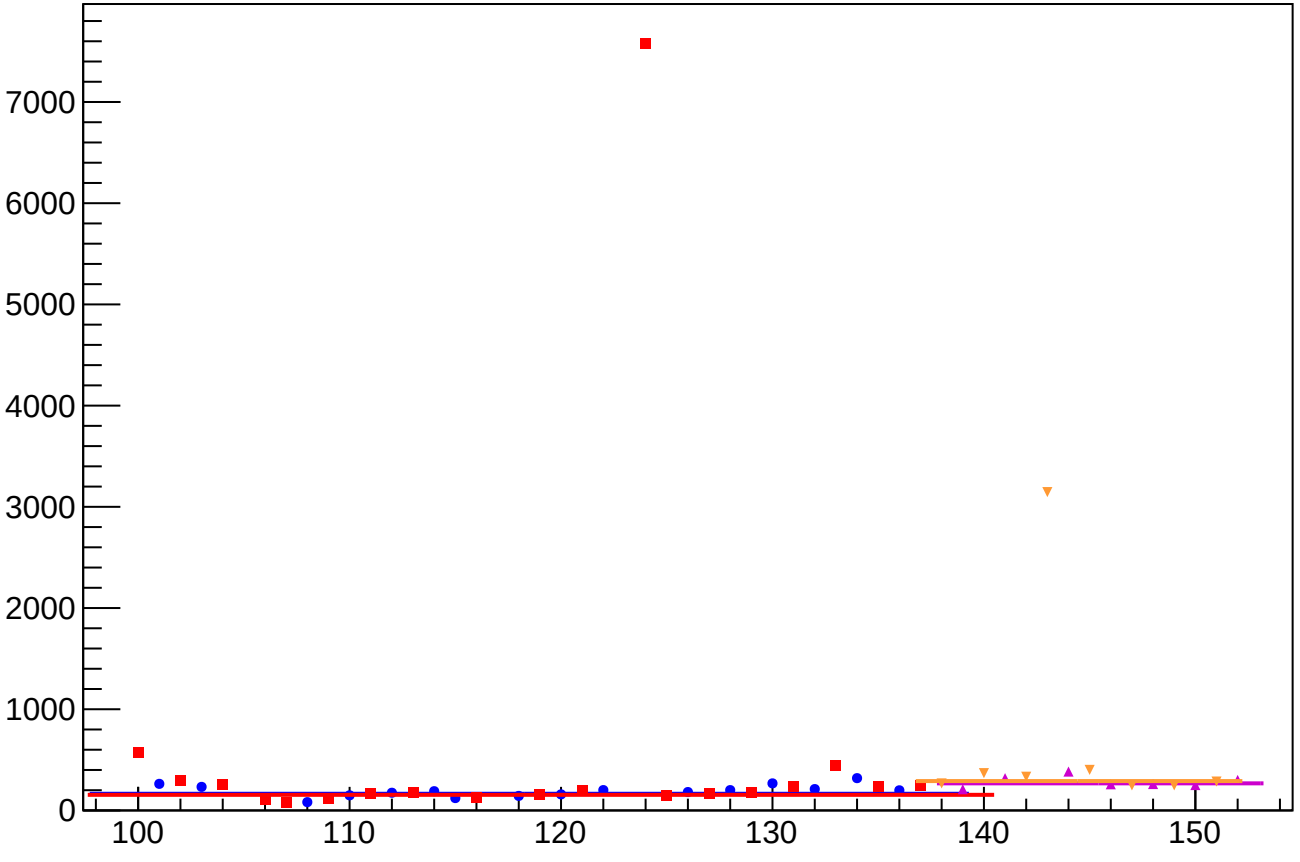
Left In: -0.119+/-0.111 χ^2/NDF:10.5/6

+ sign -0.006+/-0.059 χ^2/NDF: 18.4/23

All: 0.006+/-0.040 χ^2/NDF: 49.3/49

- sign 0.016+/-0.056 χ^2/NDF: 30.8/25

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: 290.253+/-0.089 χ^2/NDF:1663186.8/7

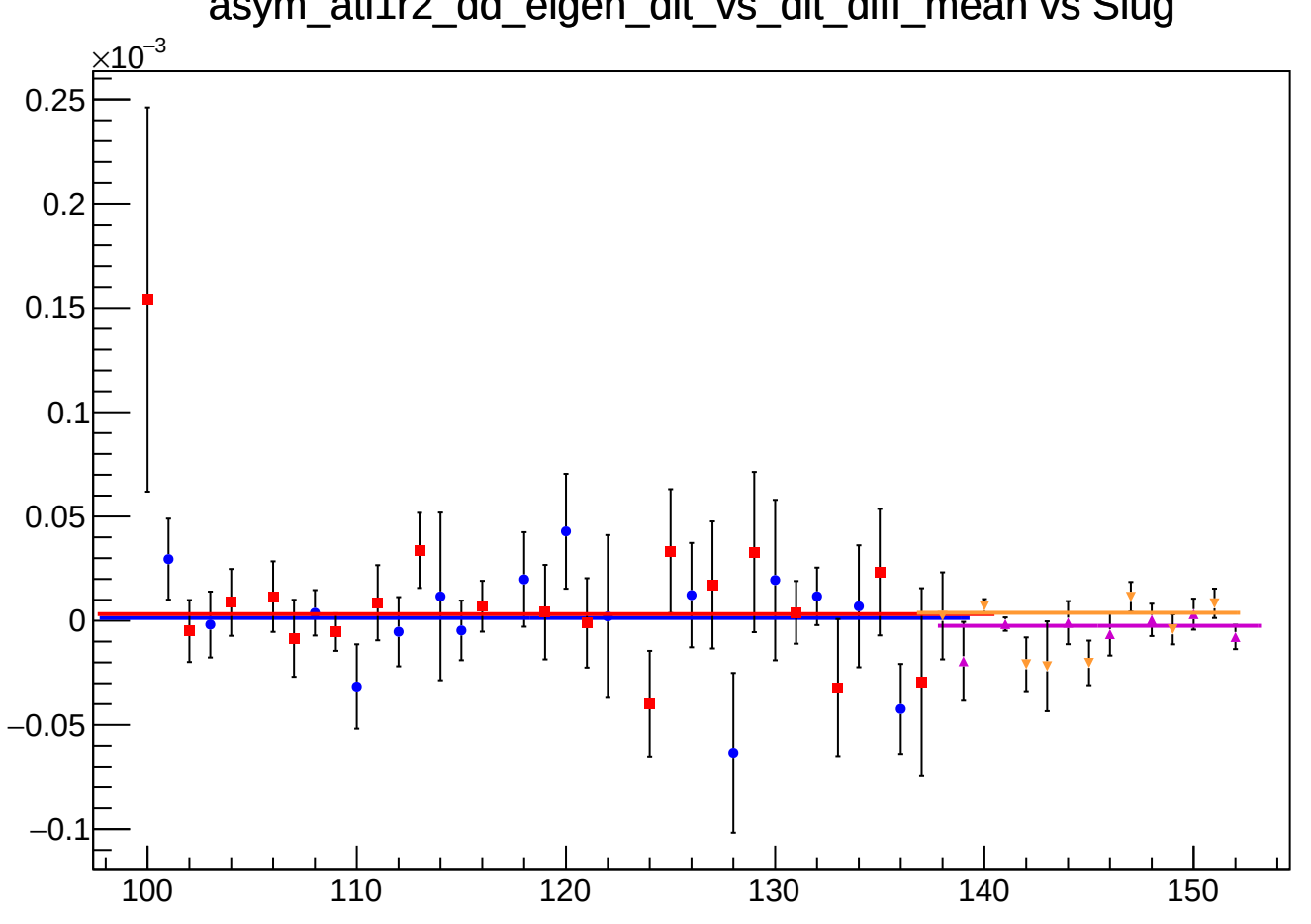
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 267.812+/-0.079 χ^2/NDF:360722.8/6

+ sign 191.955+/-0.042 χ^2/NDF: 4678618.4/23

All: 187.199+/-0.029 χ^2/NDF: 8546458.9/49

- sign 182.929+/-0.039 χ^2/NDF: 3843010.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/7

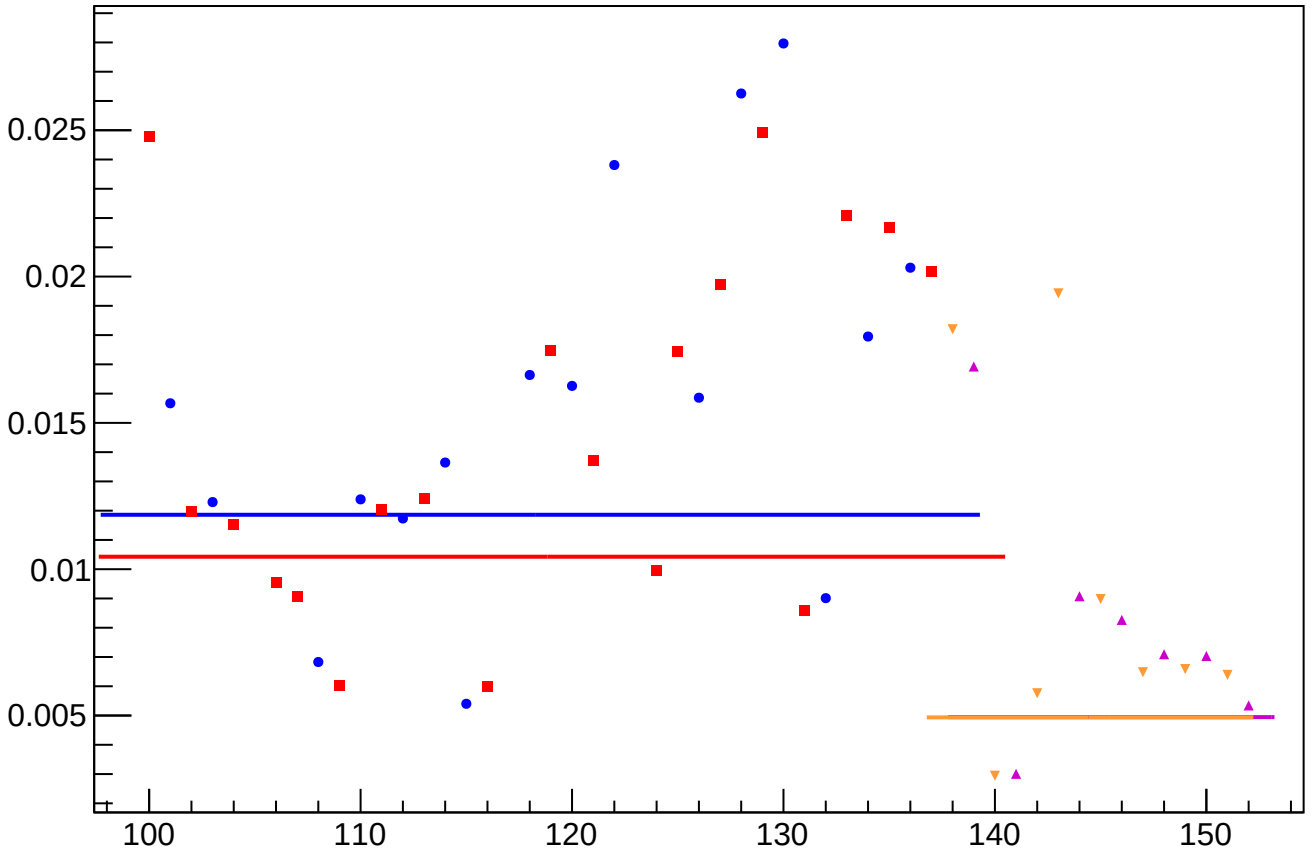
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 30.3/23

All: 0.000+/-0.000 χ^2/NDF: 51.1/49

- sign -0.000+/-0.000 χ^2/NDF: 18.5/25



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:3058186.0/7

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

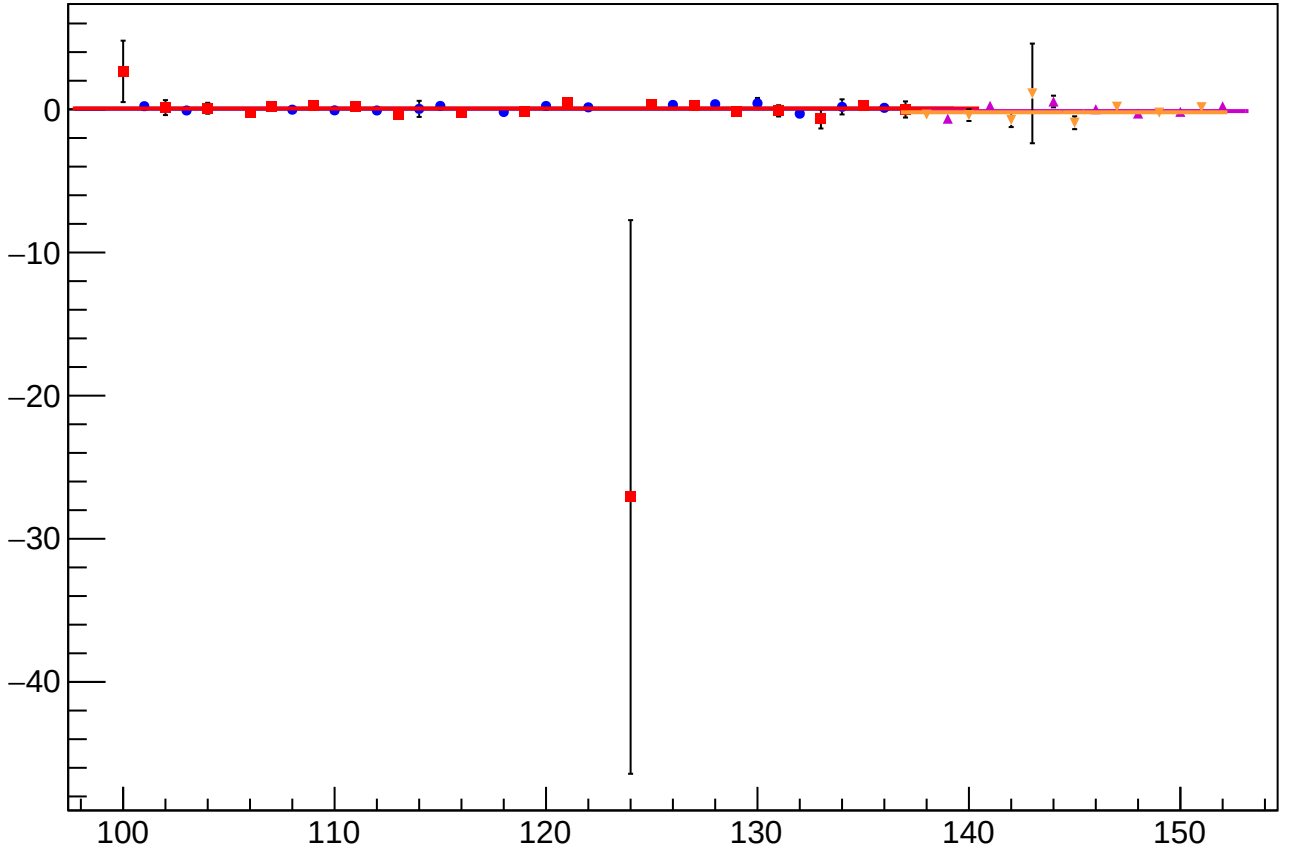
Left In: 0.005+/-0.000 χ^2/NDF:2381308.8/6

+ sign 0.006+/-0.000 χ^2/NDF: 8719468.1/23

All: 0.006+/-0.000 χ^2/NDF: 16021458.2/49

- sign 0.006+/-0.000 χ^2/NDF: 7301342.7/25

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.203+/-0.126 χ^2/NDF:7.7/7

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

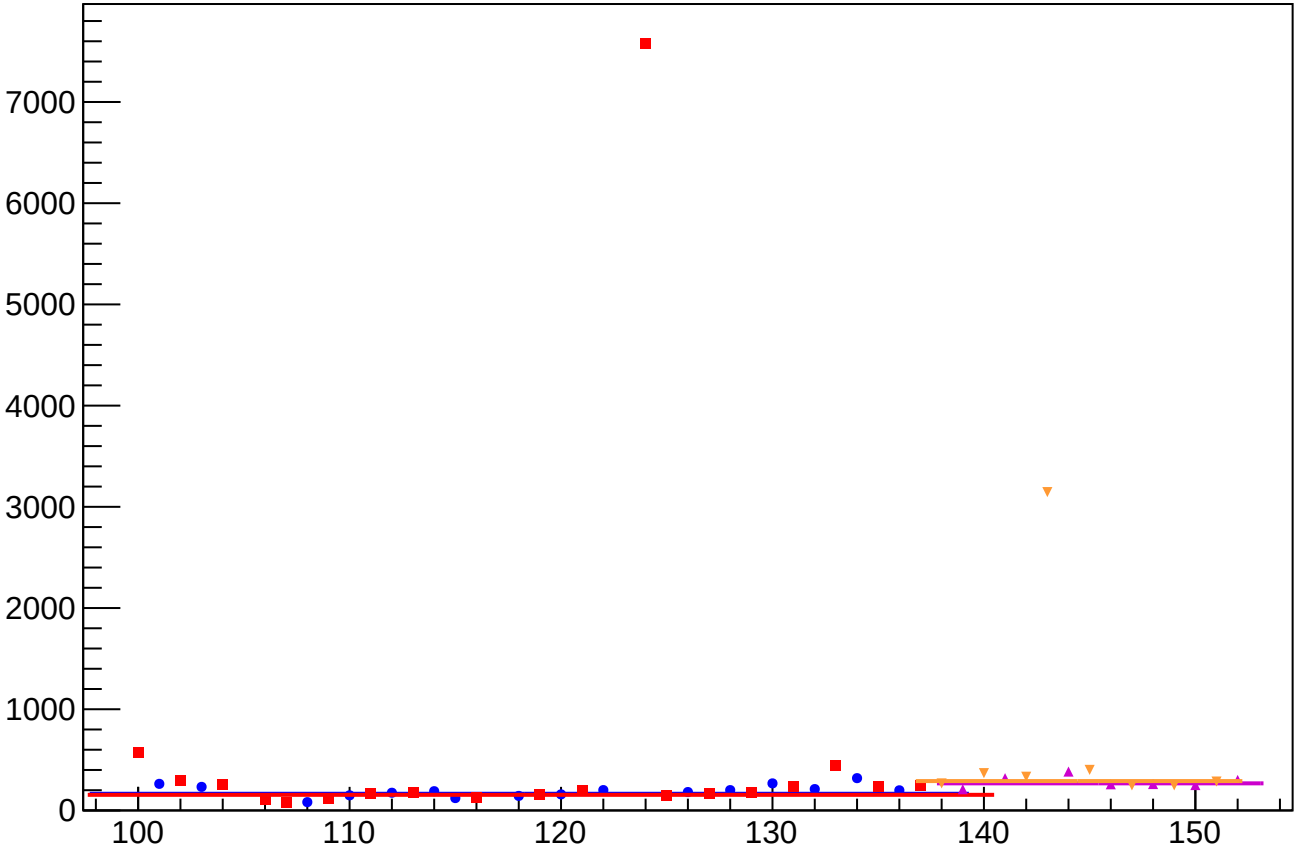
Left In: -0.119+/-0.111 χ^2/NDF:10.5/6

+ sign -0.006+/-0.059 χ^2/NDF: 18.4/23

All: 0.006+/-0.040 χ^2/NDF: 49.3/49

- sign 0.016+/-0.056 χ^2/NDF: 30.8/25

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: 290.256+/-0.089 χ^2/NDF:1663166.6/7

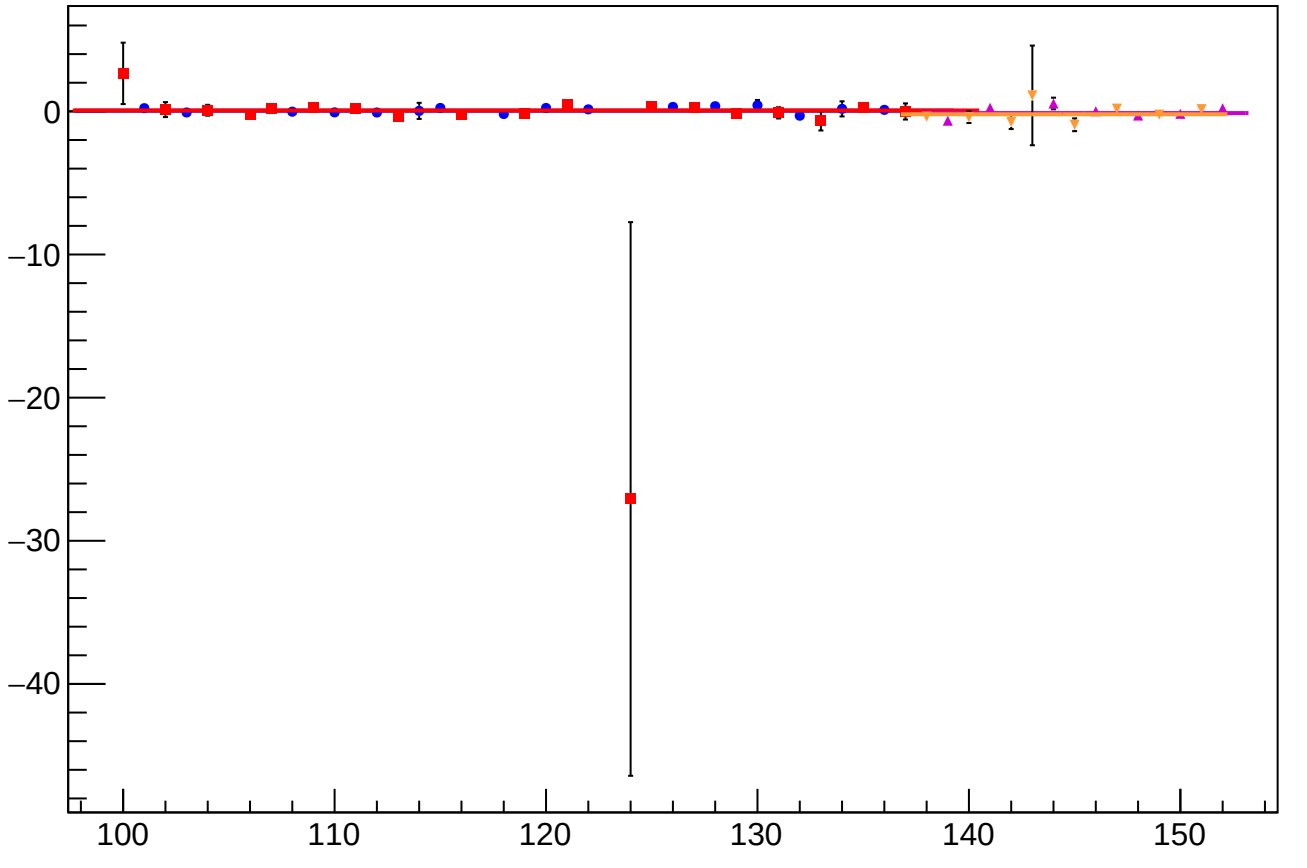
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.816+/-0.079 χ^2/NDF:360700.8/6

+ sign 191.955+/-0.042 χ^2/NDF: 4678646.4/23

All: 187.199+/-0.029 χ^2/NDF: 8546564.6/49

- sign 182.929+/-0.039 χ^2/NDF: 3843088.8/25



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.203+/-0.126 χ^2/NDF:7.7/7

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

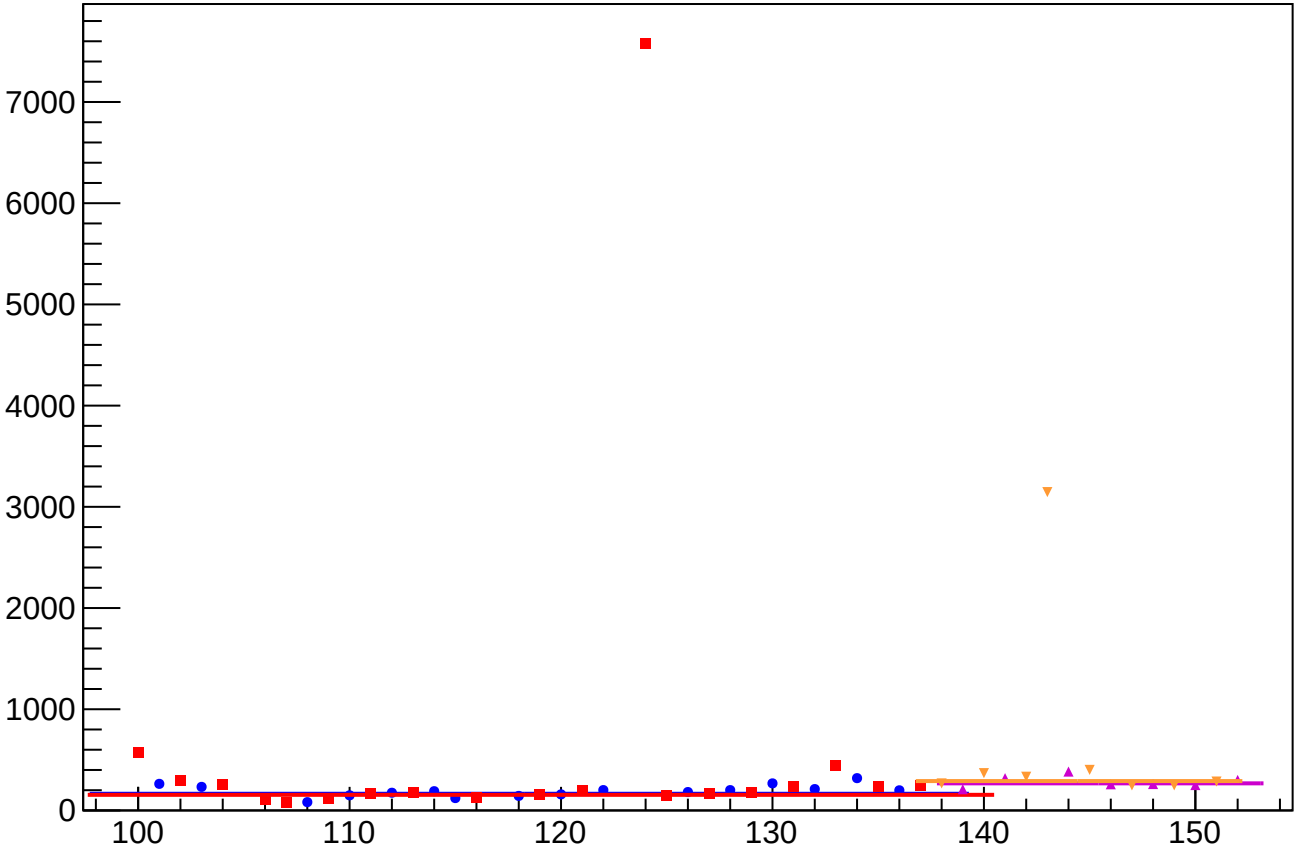
Left In: -0.119+/-0.111 χ^2/NDF:10.5/6

+ sign -0.006+/-0.059 χ^2/NDF: 18.4/23

All: 0.006+/-0.040 χ^2/NDF: 49.3/49

- sign 0.016+/-0.056 χ^2/NDF: 30.8/25

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 290.256+/-0.089 χ^2/NDF:1663166.6/7

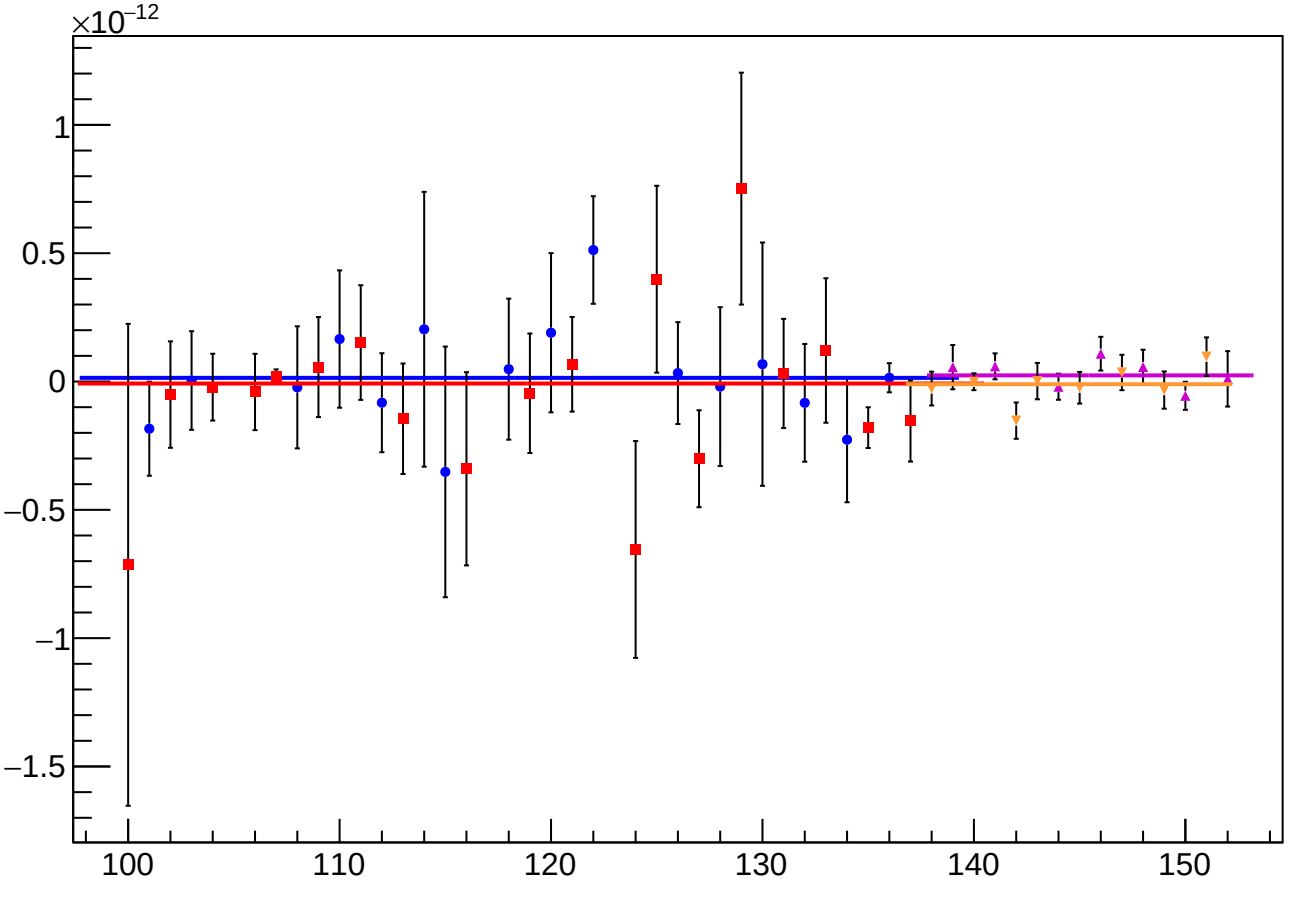
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.816+/-0.079 χ^2/NDF:360700.8/6

+ sign 191.955+/-0.042 χ^2/NDF: 4678646.4/23

All: 187.199+/-0.029 χ^2/NDF: 8546564.6/49

- sign 182.929+/-0.039 χ^2/NDF: 3843088.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/7

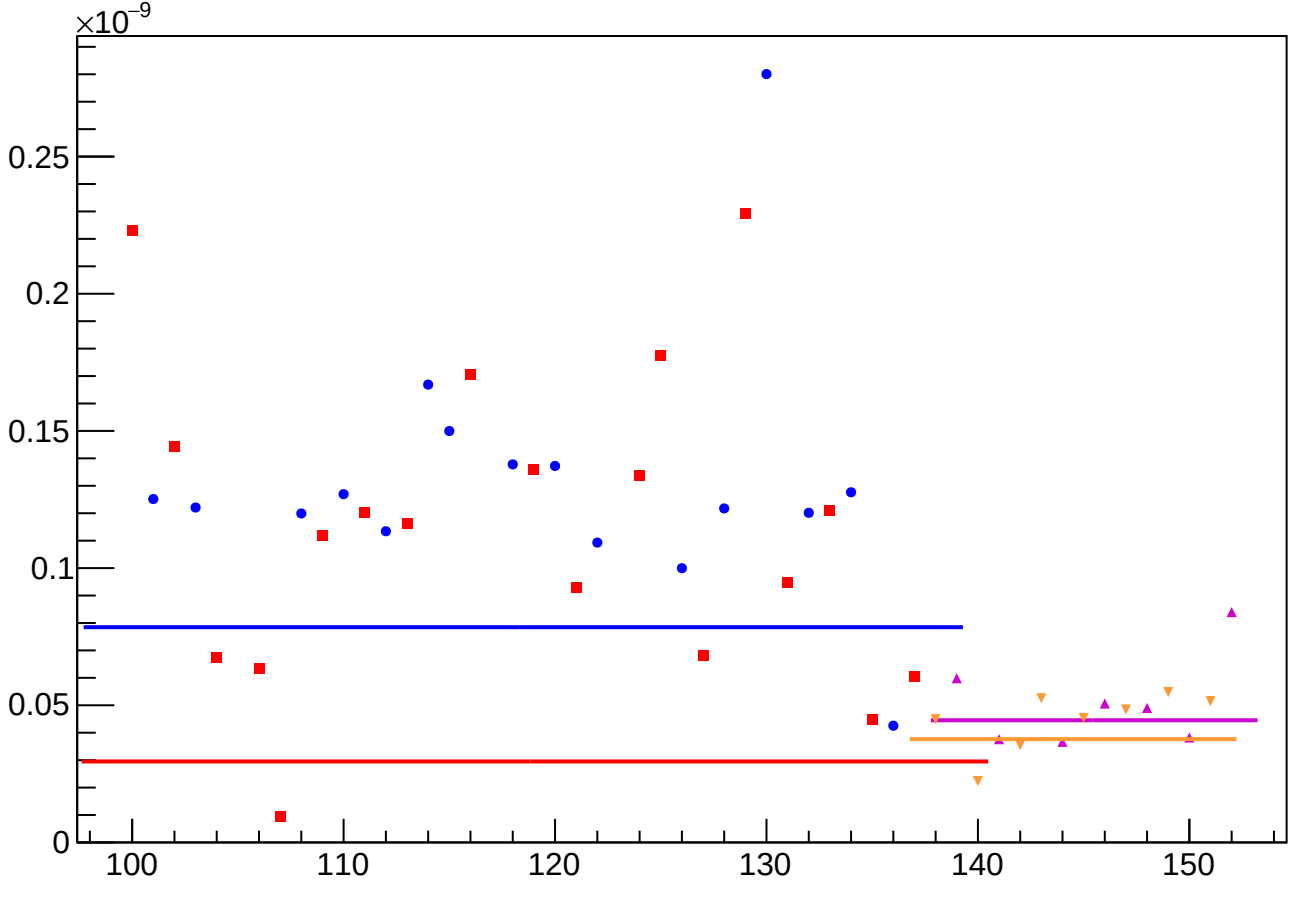
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 16.8/23

All: 0.000+/-0.000 χ^2/NDF: 41.7/49

- sign 0.000+/-0.000 χ^2/NDF: 24.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:809255.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

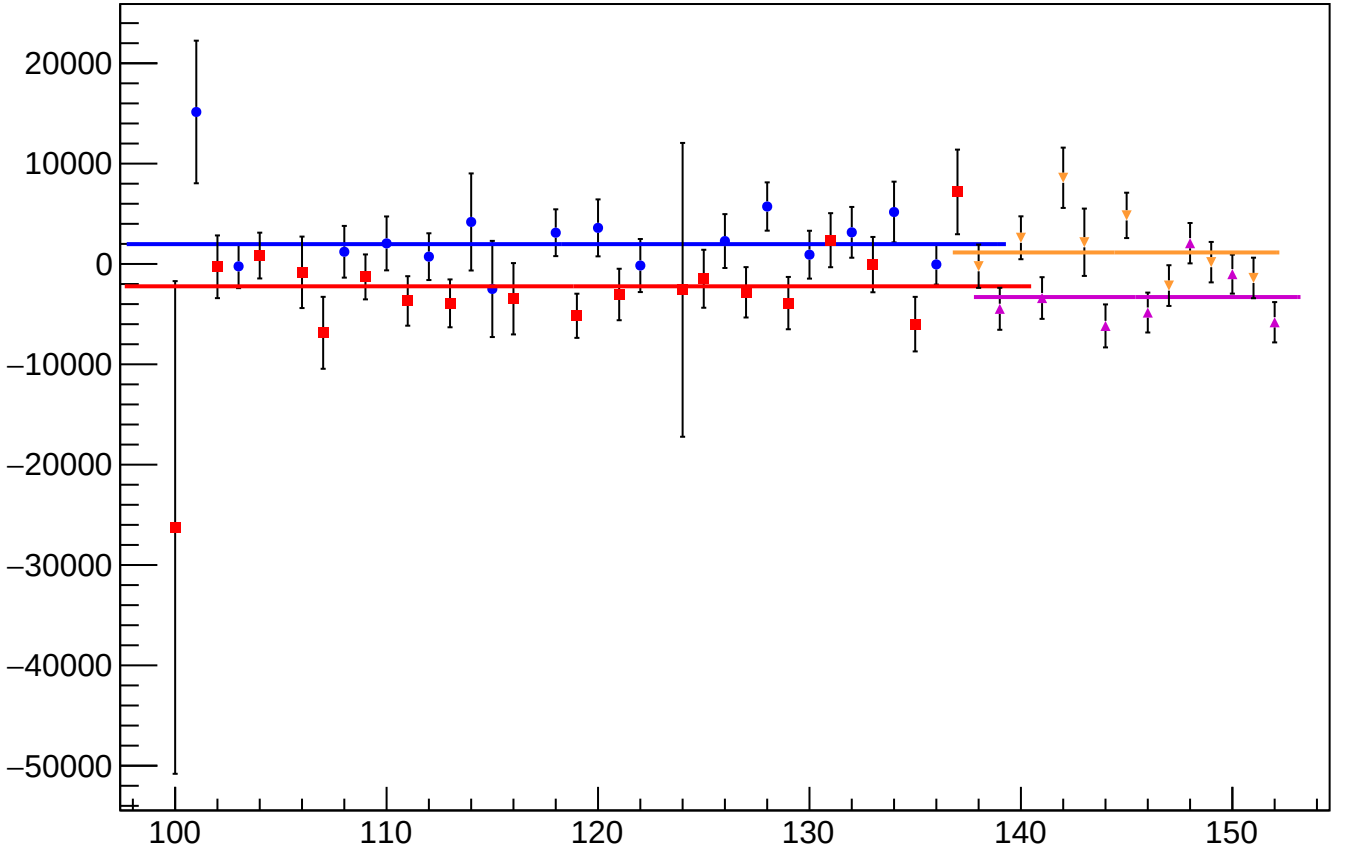
Left In: 0.000+/-0.000 χ^2/NDF:467357.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 4414922.5/23

All: 0.000+/-0.000 χ^2/NDF: 11024667.6/49

- sign 0.000+/-0.000 χ^2/NDF: 6370014.3/25

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1146.959+/-799.831 χ^2/NDF:14.2/7

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

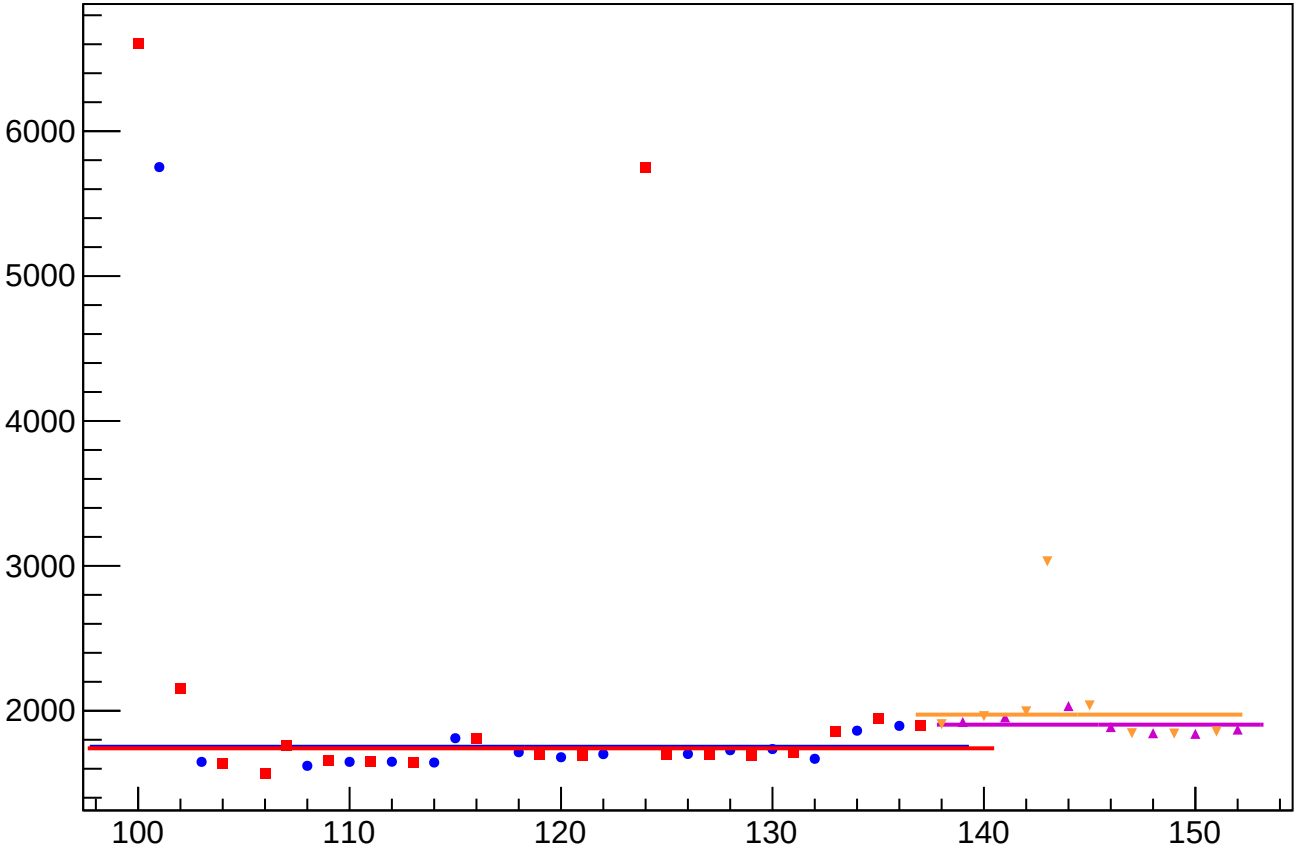
Left In: -3296.260+/-769.037 χ^2/NDF:12.8/6

+ sign 1635.693+/-512.575 χ^2/NDF: 27.0/23

All: -577.638+/-357.628 χ^2/NDF: 96.2/49

- sign -2677.092+/-499.215 χ^2/NDF: 32.9/25

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1973.616+/-0.566 χ^2/NDF:225582.4/7

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

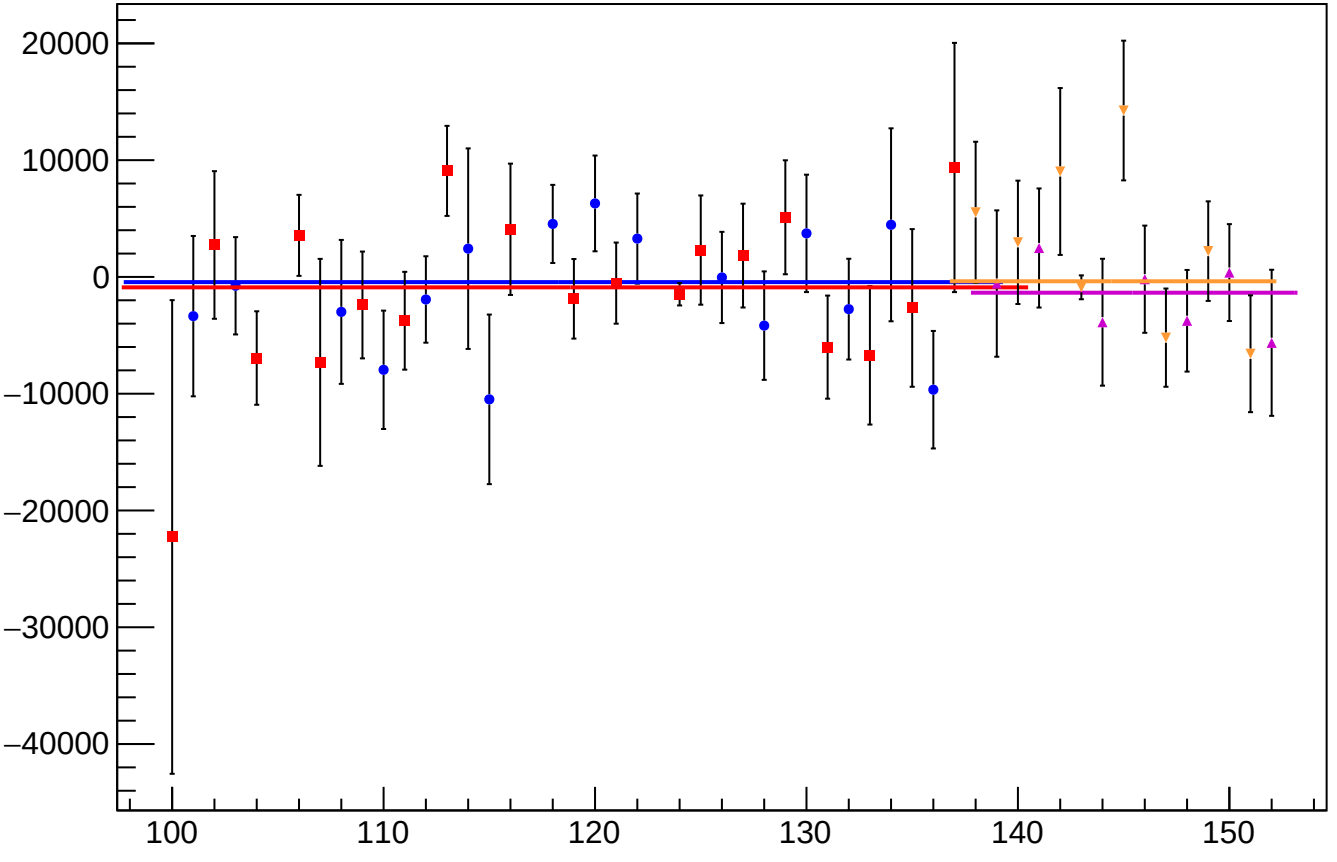
Left In: 1904.279+/-0.544 χ^2/NDF:13071.4/6

+ sign 1842.785+/-0.362 χ^2/NDF: 987040.3/23

All: 1825.501+/-0.252 χ^2/NDF: 1361635.4/49

- sign 1809.247+/-0.351 χ^2/NDF: 370182.6/25

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -371.476+/-905.782 χ^2/NDF:12.5/7

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

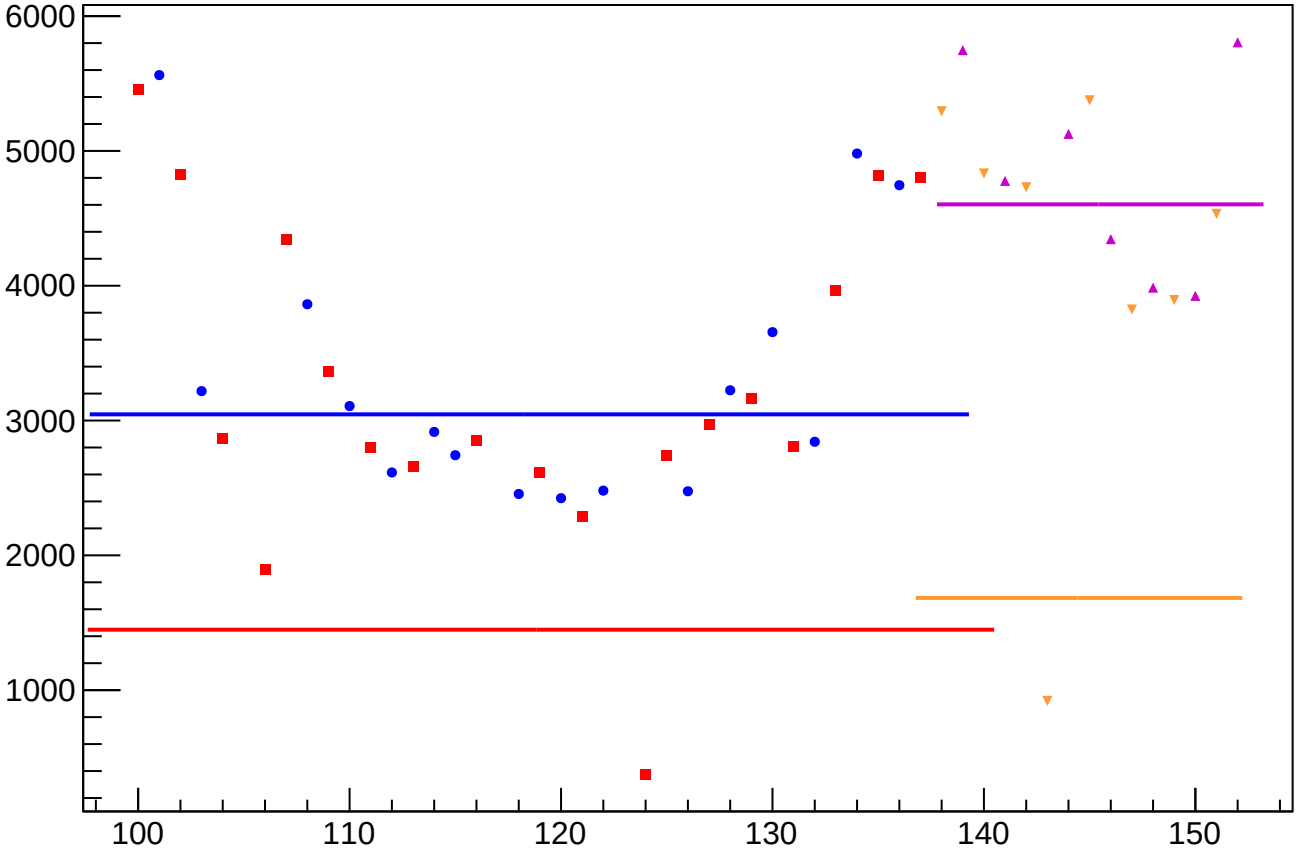
Left In: -1350.526+/-1884.046 χ^2/NDF:1.8/6

+ sign -398.627+/-717.247 χ^2/NDF: 28.5/23

All: -690.891+/-492.414 χ^2/NDF: 50.7/49

- sign -951.452+/-677.230 χ^2/NDF: 21.9/25

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1684.134+/-0.640 χ^2/NDF:5367725.9/7

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

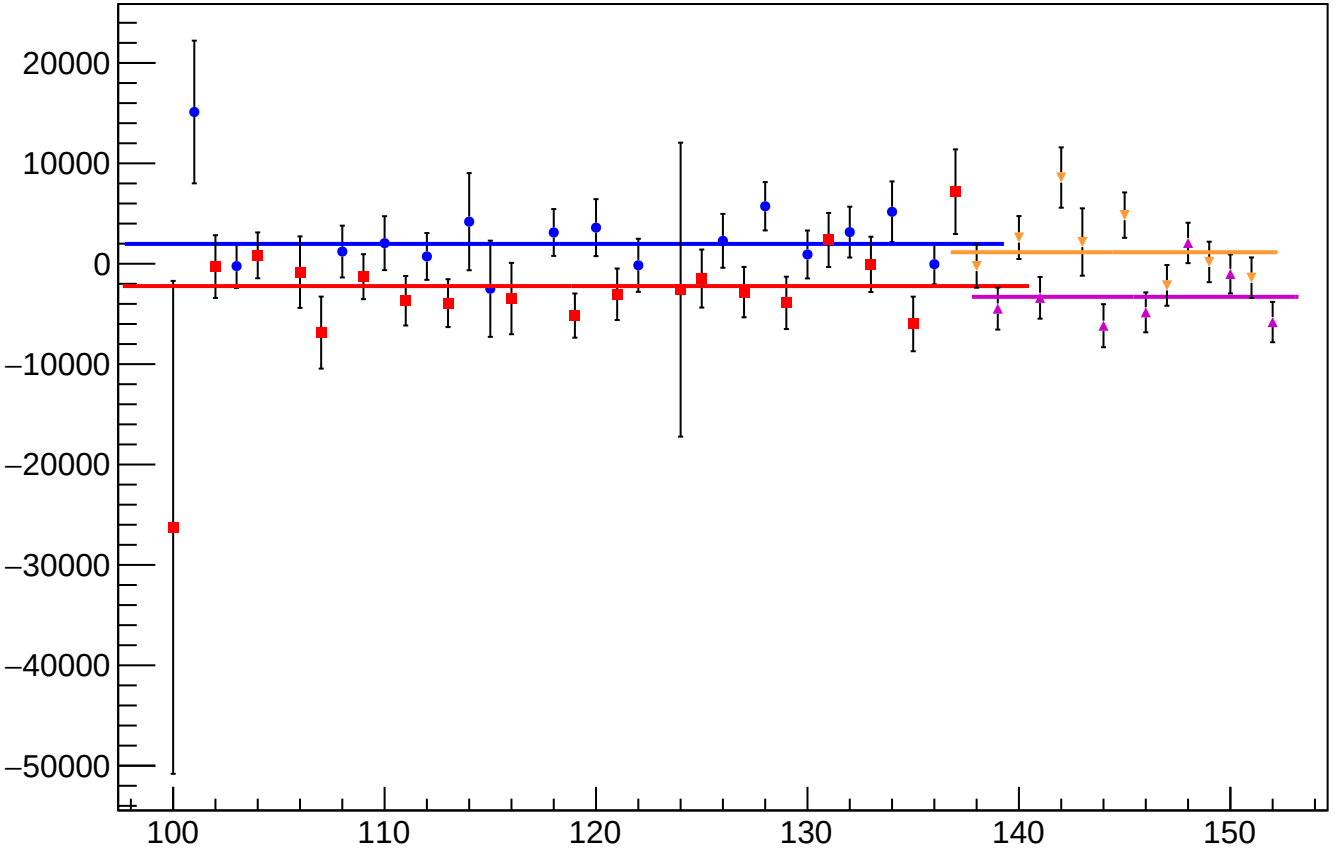
Left In: 4603.728+/-1.332 χ^2/NDF:261568.9/6

+ sign 2192.034+/-0.507 χ^2/NDF: 7961154.8/23

All: 2014.486+/-0.348 χ^2/NDF: 20125931.4/4

- sign 1856.198+/-0.479 χ^2/NDF: 11932965.3/25

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1146.989+/-799.831 χ^2/NDF:14.2/7

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

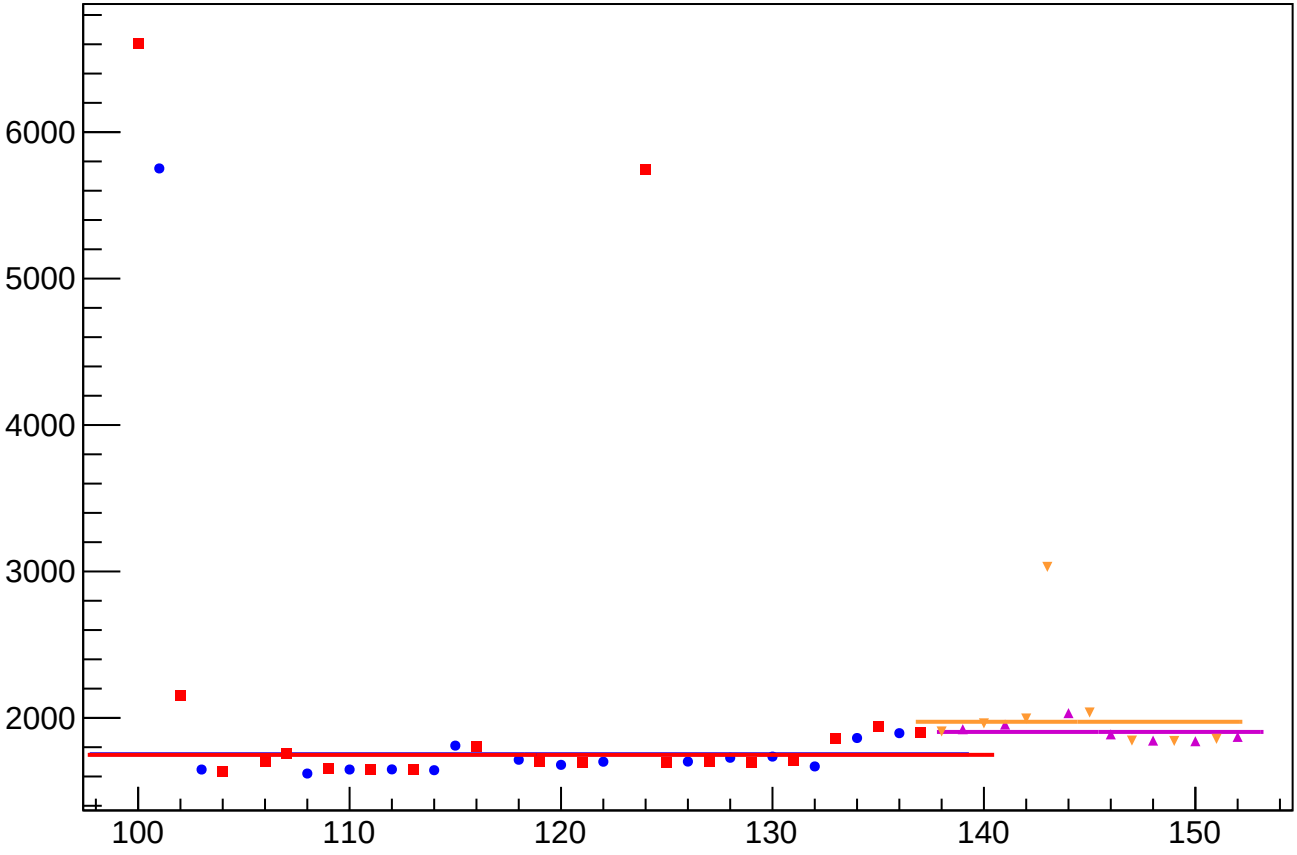
Left In: -3296.485+/-769.037 χ^2/NDF:12.8/6

+ sign 1635.498+/-512.575 χ^2/NDF: 27.0/23

All: -577.811+/-357.628 χ^2/NDF: 96.2/49

- sign -2677.243+/-499.215 χ^2/NDF: 32.9/25

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1973.616+/-0.566 χ^2/NDF:225582.4/7

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

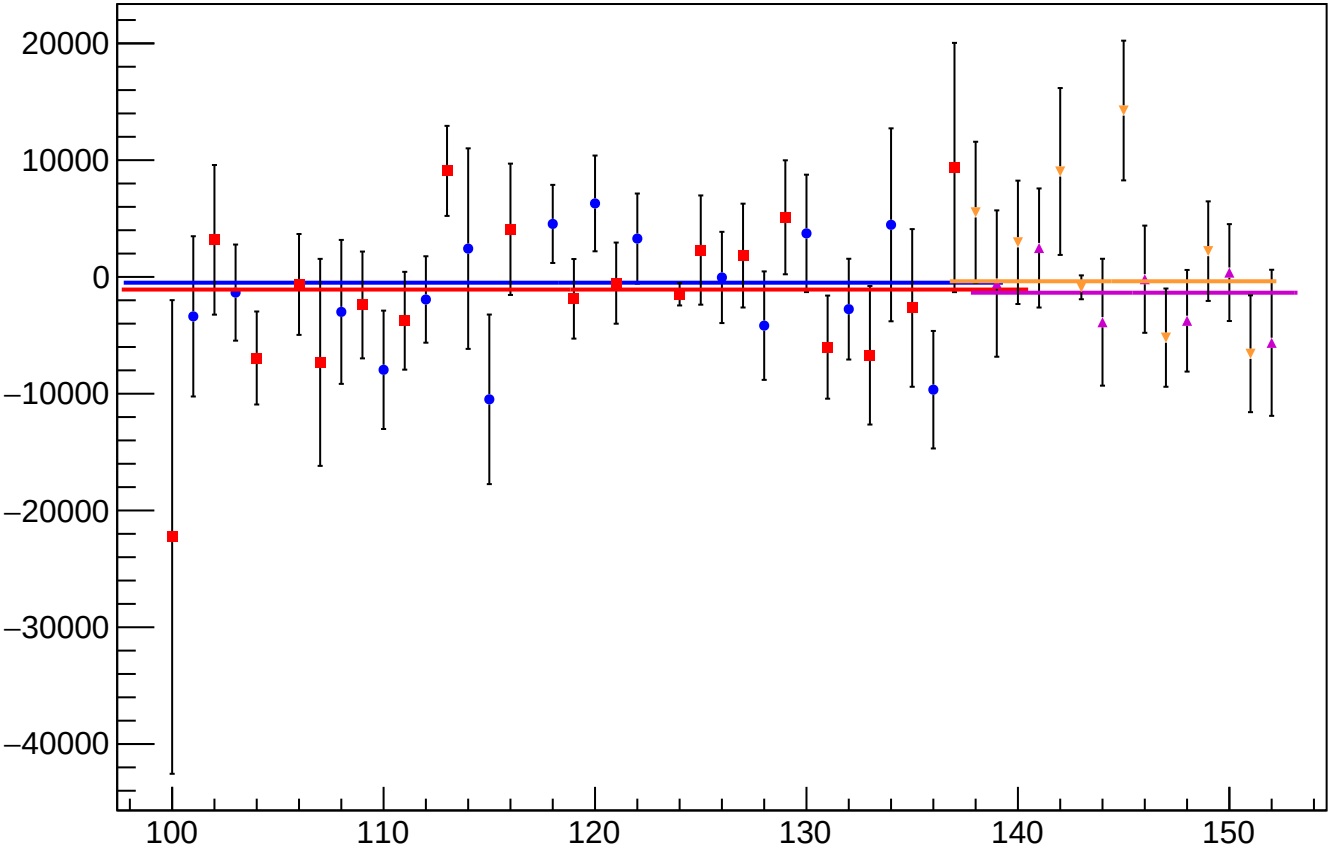
Left In: 1904.279+/-0.544 χ^2/NDF:13071.4/6

+ sign 1842.785+/-0.362 χ^2/NDF: 987040.8/23

All: 1827.695+/-0.253 χ^2/NDF: 1349470.8/49

- sign 1813.444+/-0.352 χ^2/NDF: 359059.8/25

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -371.294+/-905.753 χ^2/NDF:12.5/7

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

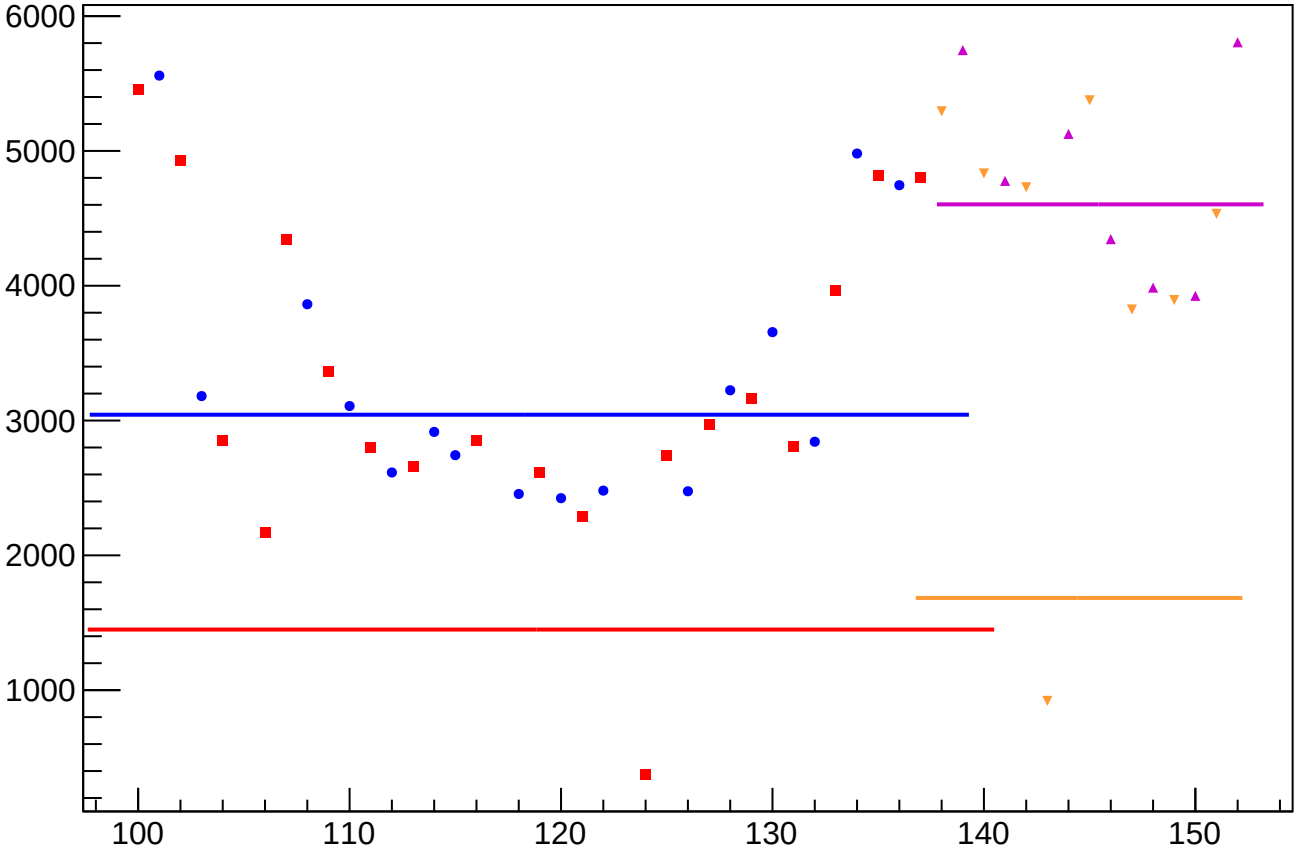
Left In: -1350.577+/-1884.046 χ^2/NDF:1.8/6

+ sign -416.712+/-716.957 χ^2/NDF: 28.5/23

All: -784.013+/-494.094 χ^2/NDF: 49.3/49

- sign -1116.245+/-681.872 χ^2/NDF: 20.3/25

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1684.055+/-0.640 χ^2/NDF:5367916.4/7

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

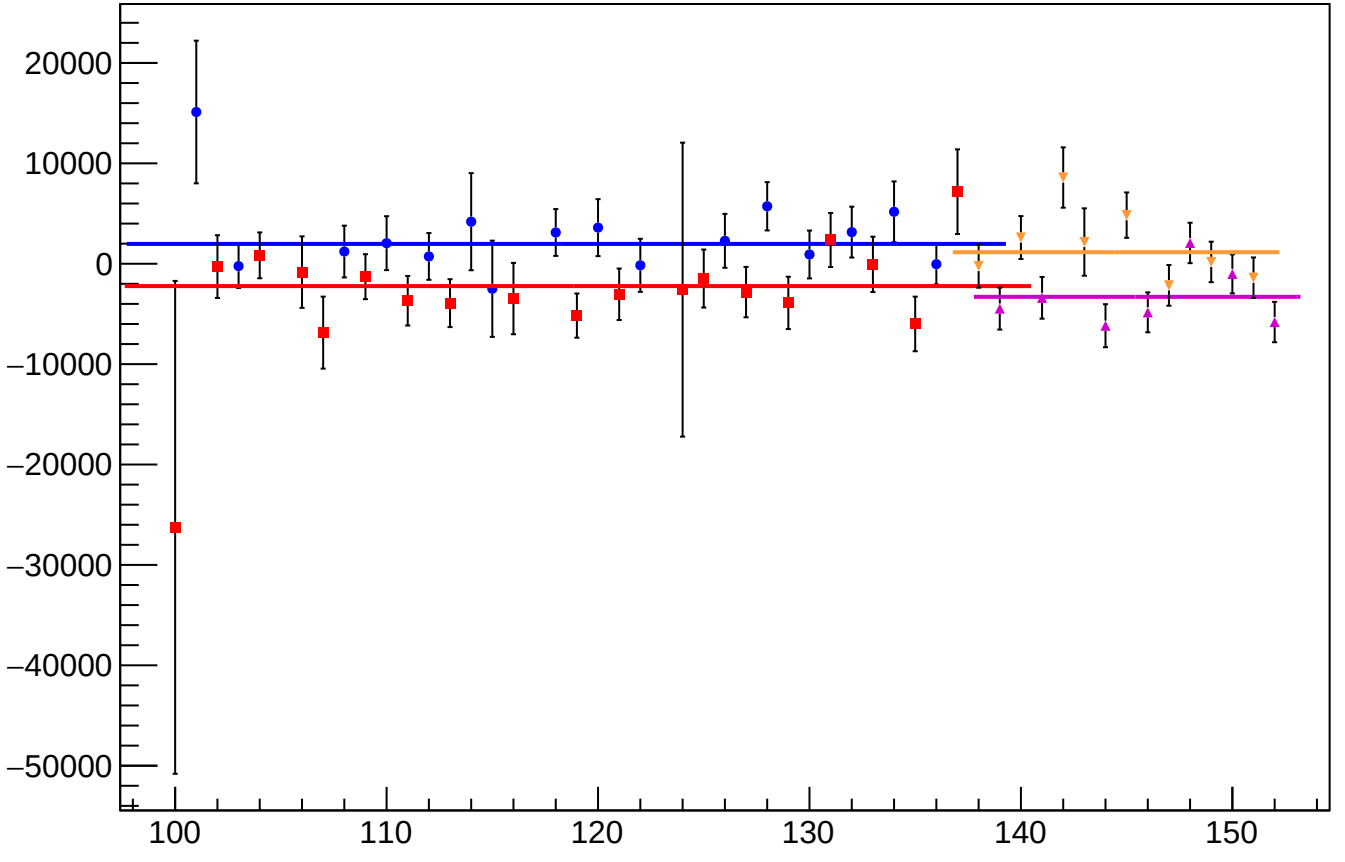
Left In: 4603.728+/-1.332 χ^2/NDF:261568.4/6

+ sign 2191.632+/-0.507 χ^2/NDF: 7955475.9/23

All: 2018.906+/-0.349 χ^2/NDF: 20135261.9/4

- sign 1862.672+/-0.482 χ^2/NDF: 11958708.6/25

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1146.989+/-799.831 χ^2/NDF:14.2/7

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

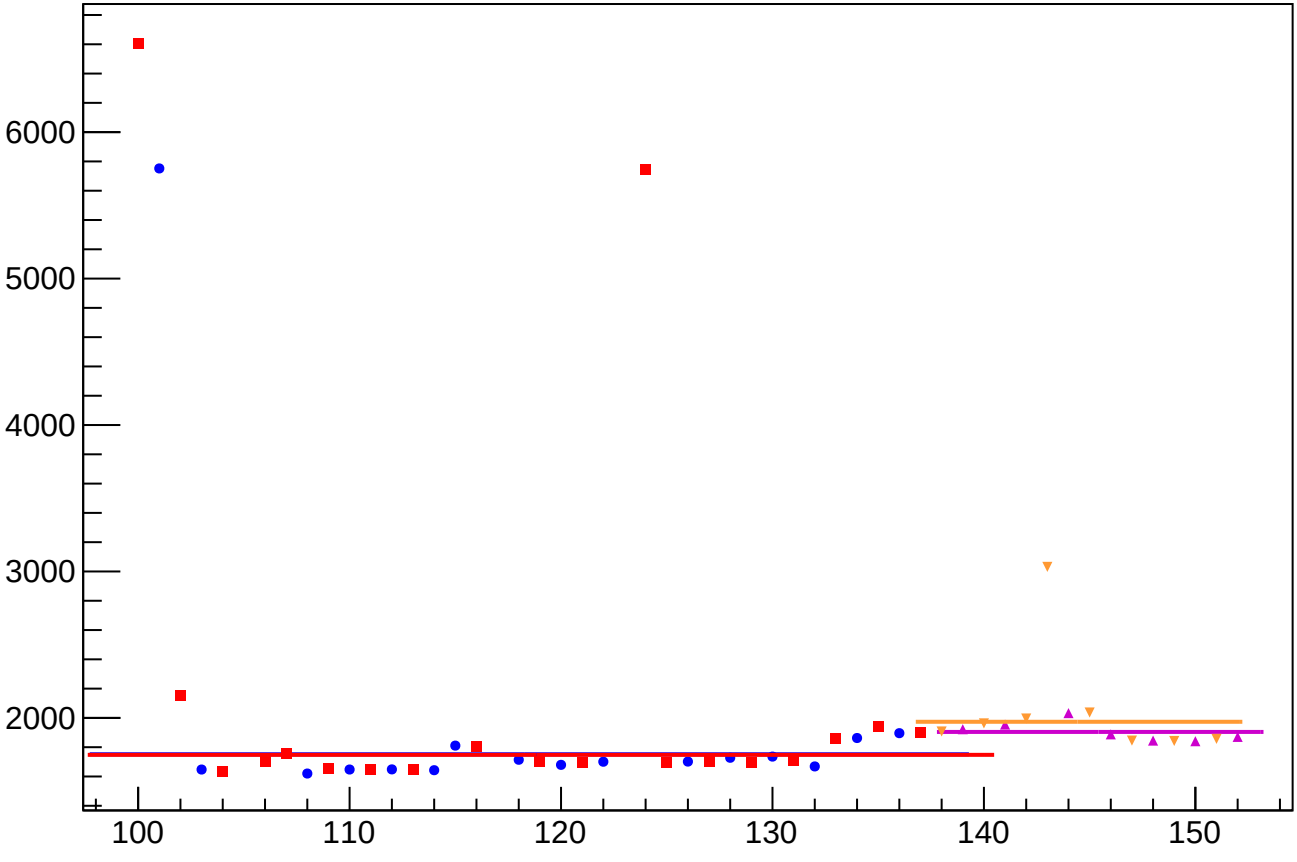
Left In: -3296.485+/-769.037 χ^2/NDF:12.8/6

+ sign 1635.498+/-512.575 χ^2/NDF: 27.0/23

All: -577.811+/-357.628 χ^2/NDF: 96.2/49

- sign -2677.243+/-499.215 χ^2/NDF: 32.9/25

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1973.616+/-0.566 χ^2/NDF:225582.4/7

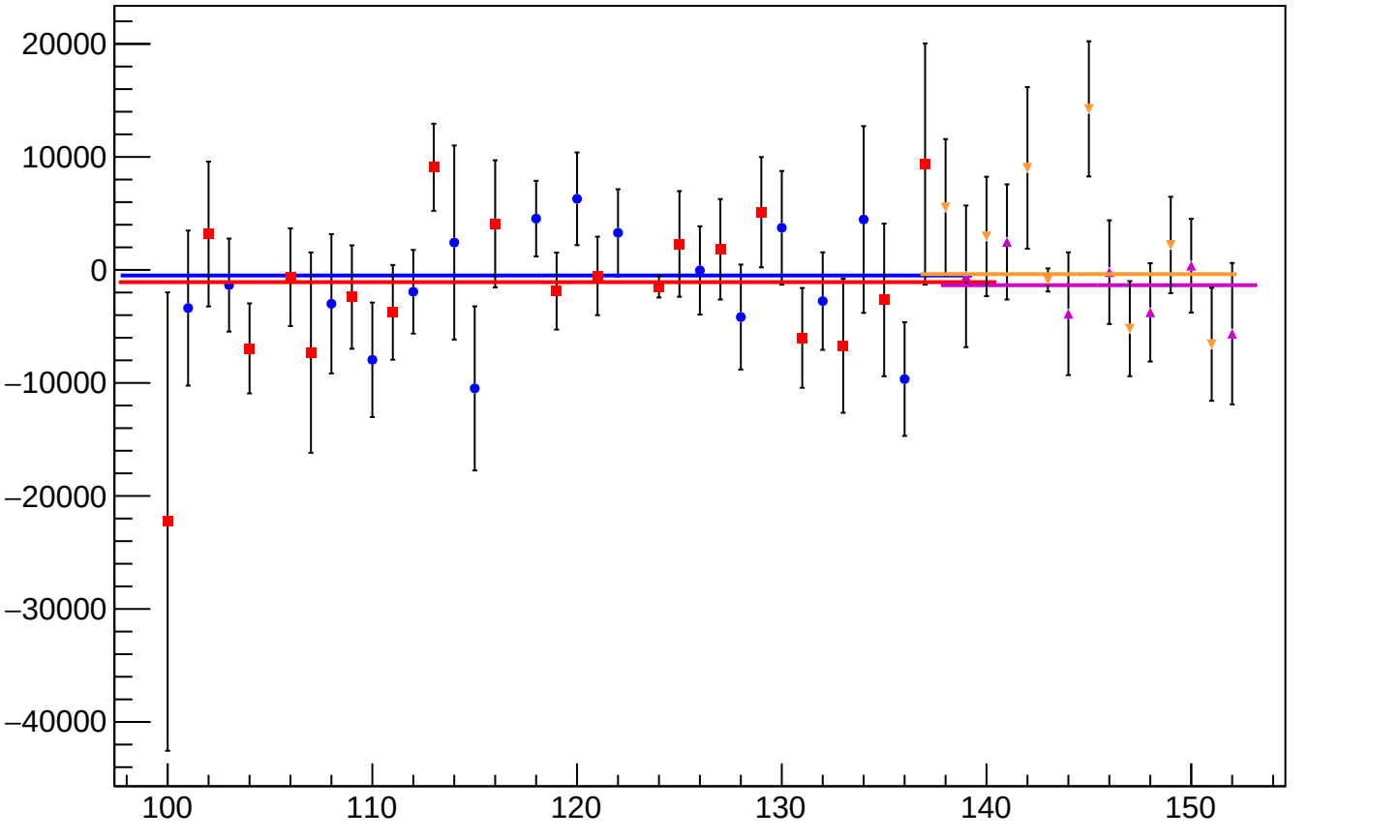
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1904.279+/-0.544 χ^2/NDF:13071.4/6

+ sign 1842.785+/-0.362 χ^2/NDF: 987040.8/23

All: 1827.695+/-0.253 χ^2/NDF: 1349470.8/49

- sign 1813.444+/-0.352 χ^2/NDF: 359059.8/25



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -371.294+/-905.753 χ^2/NDF:12.5/7

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

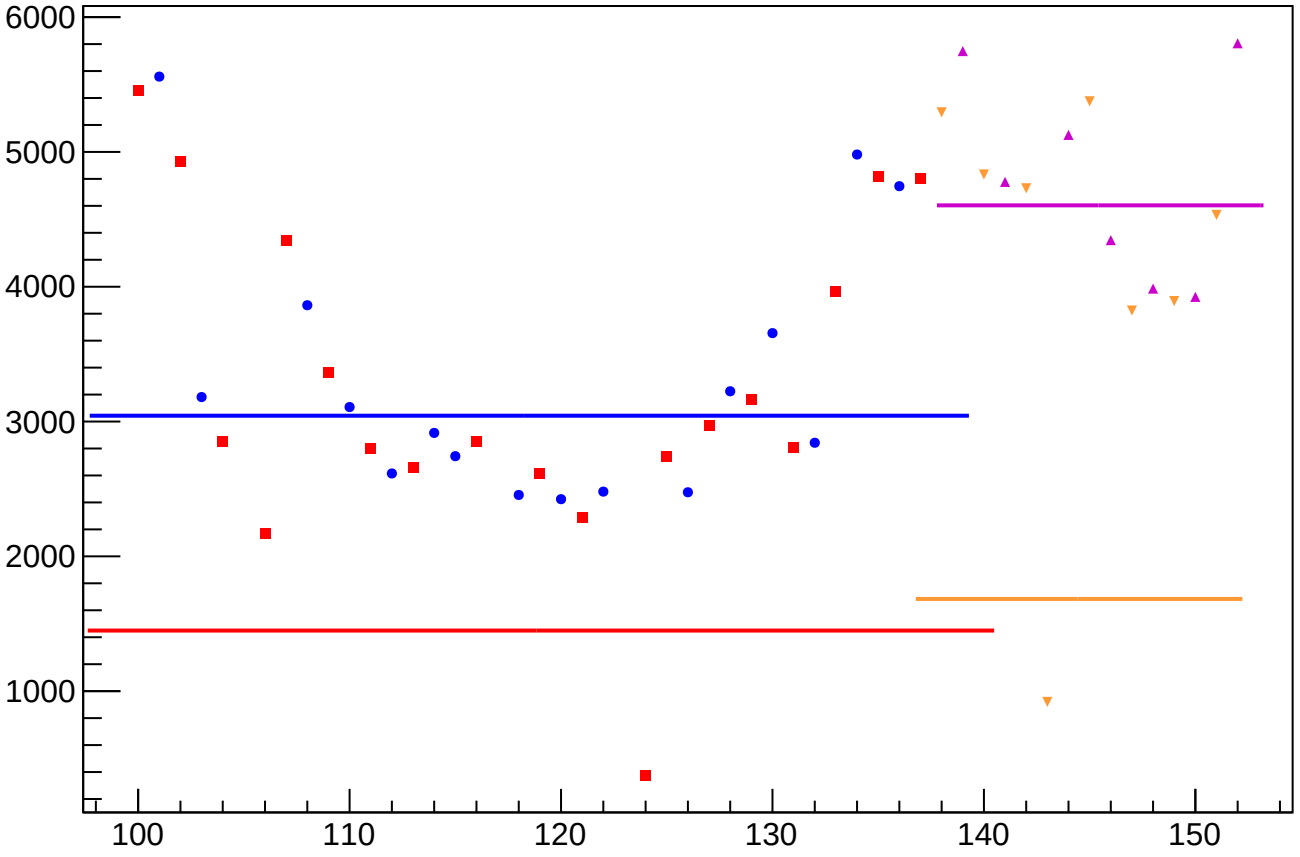
Left In: -1350.577+/-1884.046 χ^2/NDF:1.8/6

+ sign -416.712+/-716.957 χ^2/NDF: 28.5/23

All: -784.013+/-494.094 χ^2/NDF: 49.3/49

- sign -1116.245+/-681.872 χ^2/NDF: 20.3/25

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1684.055+/-0.640 χ^2/NDF:5367916.4/7

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

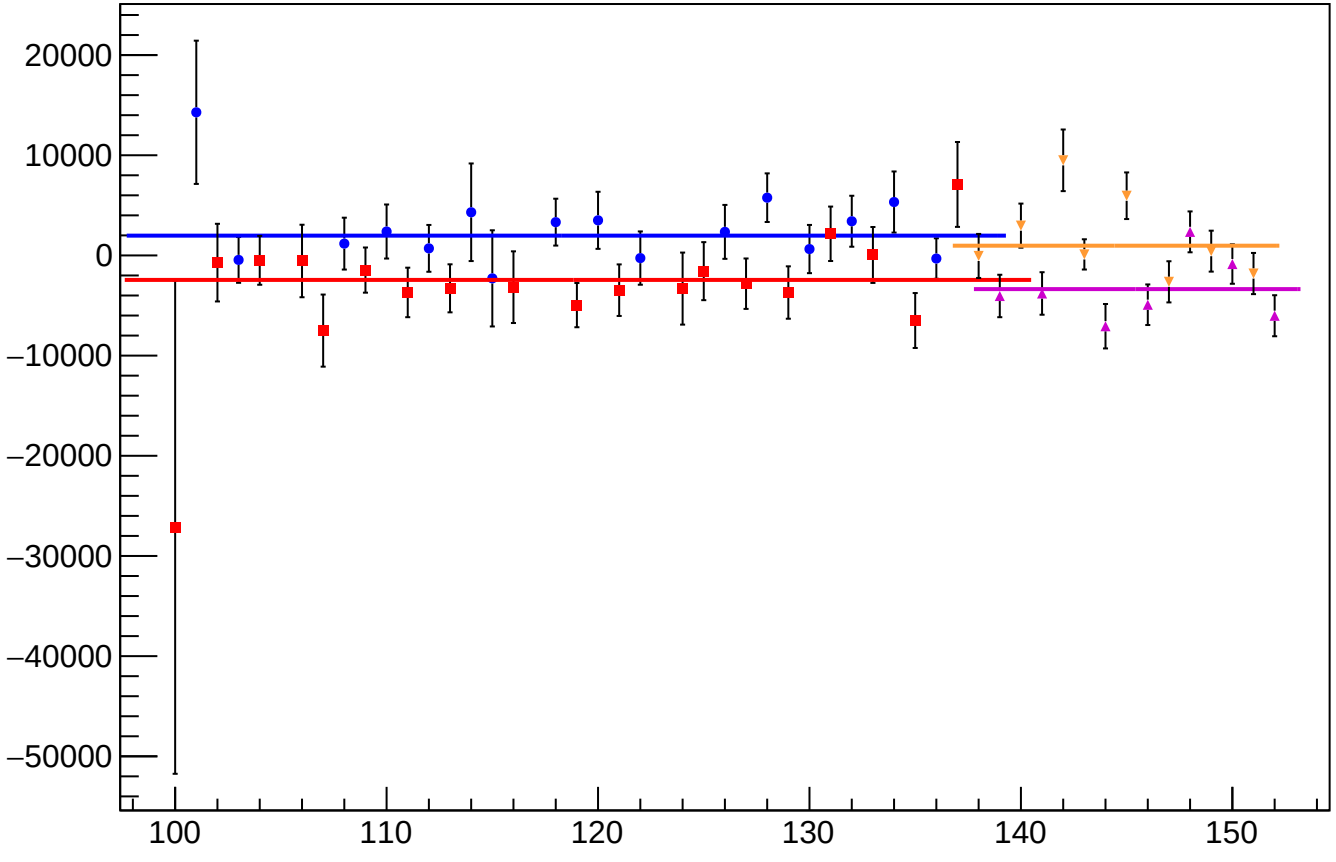
Left In: 4603.728+/-1.332 χ^2/NDF:261568.4/6

+ sign 2191.632+/-0.507 χ^2/NDF: 7955475.9/23

All: 2018.906+/-0.349 χ^2/NDF: 20135261.9/4

- sign 1862.672+/-0.482 χ^2/NDF: 11958708.6/25

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 971.671+/-734.089 χ^2/NDF:18.6/7

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

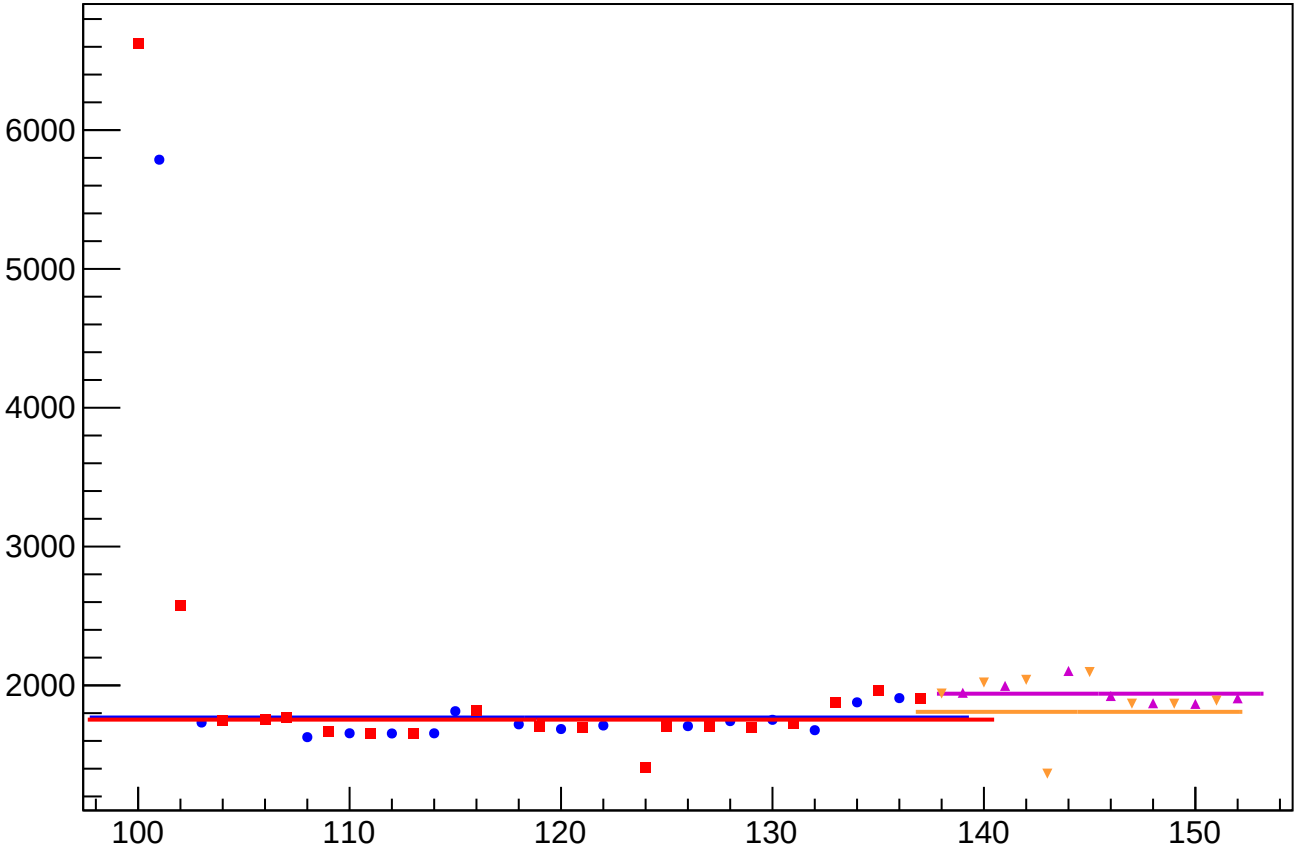
Left In: -3361.276+/-783.734 χ^2/NDF:14.7/6

+ sign 1516.446+/-496.511 χ^2/NDF: 32.1/23

All: -621.740+/-353.634 χ^2/NDF: 102.7/49

- sign -2823.148+/-503.798 χ^2/NDF: 32.9/25

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1809.467+/-0.519 χ^2/NDF:247443.4/7

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

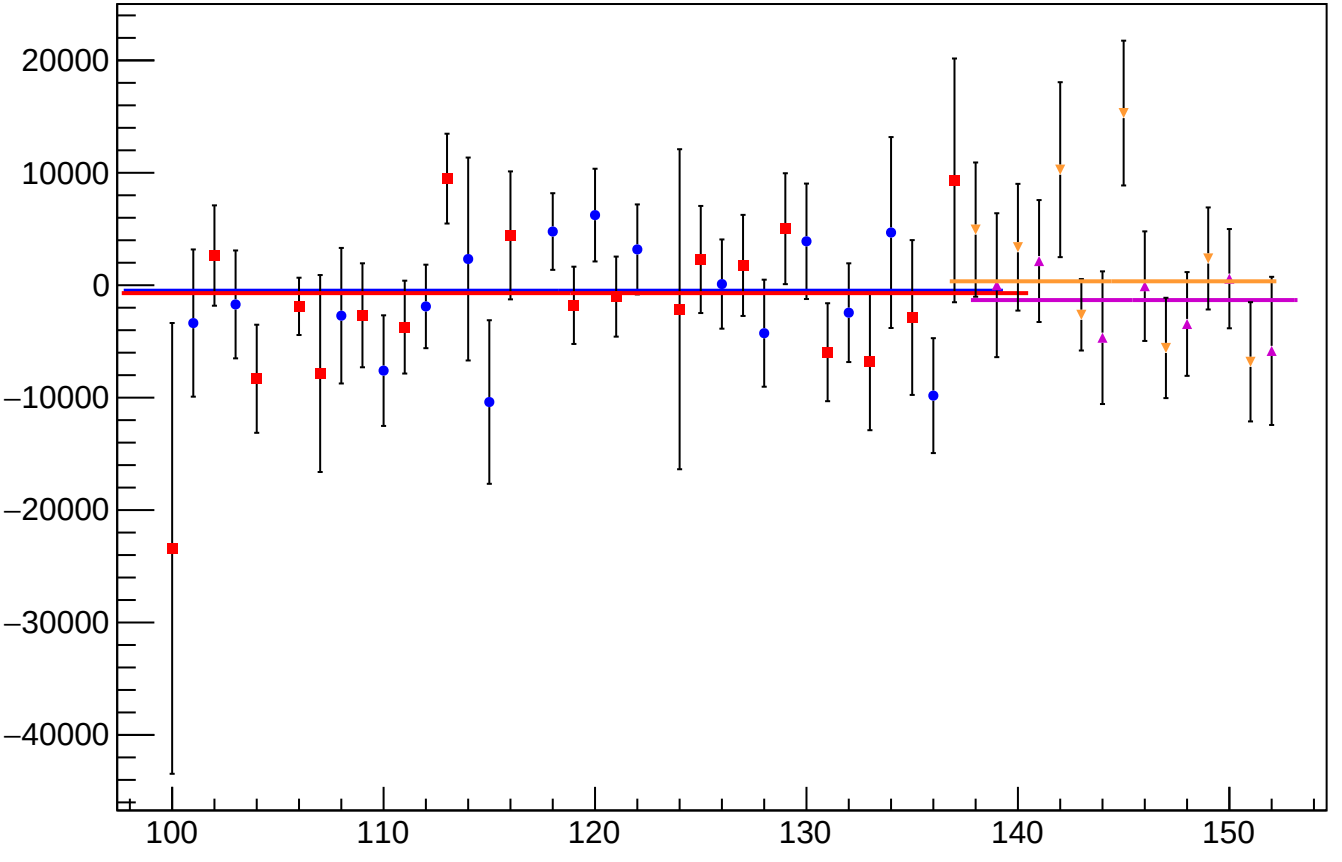
Left In: 1940.184+/-0.554 χ^2/NDF:18042.3/6

+ sign 1787.230+/-0.351 χ^2/NDF: 918193.3/23

All: 1808.500+/-0.250 χ^2/NDF: 1229354.0/49

- sign 1830.331+/-0.356 χ^2/NDF: 303723.2/25

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 349.258+/-1731.302 χ^2/NDF:12.6/7

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

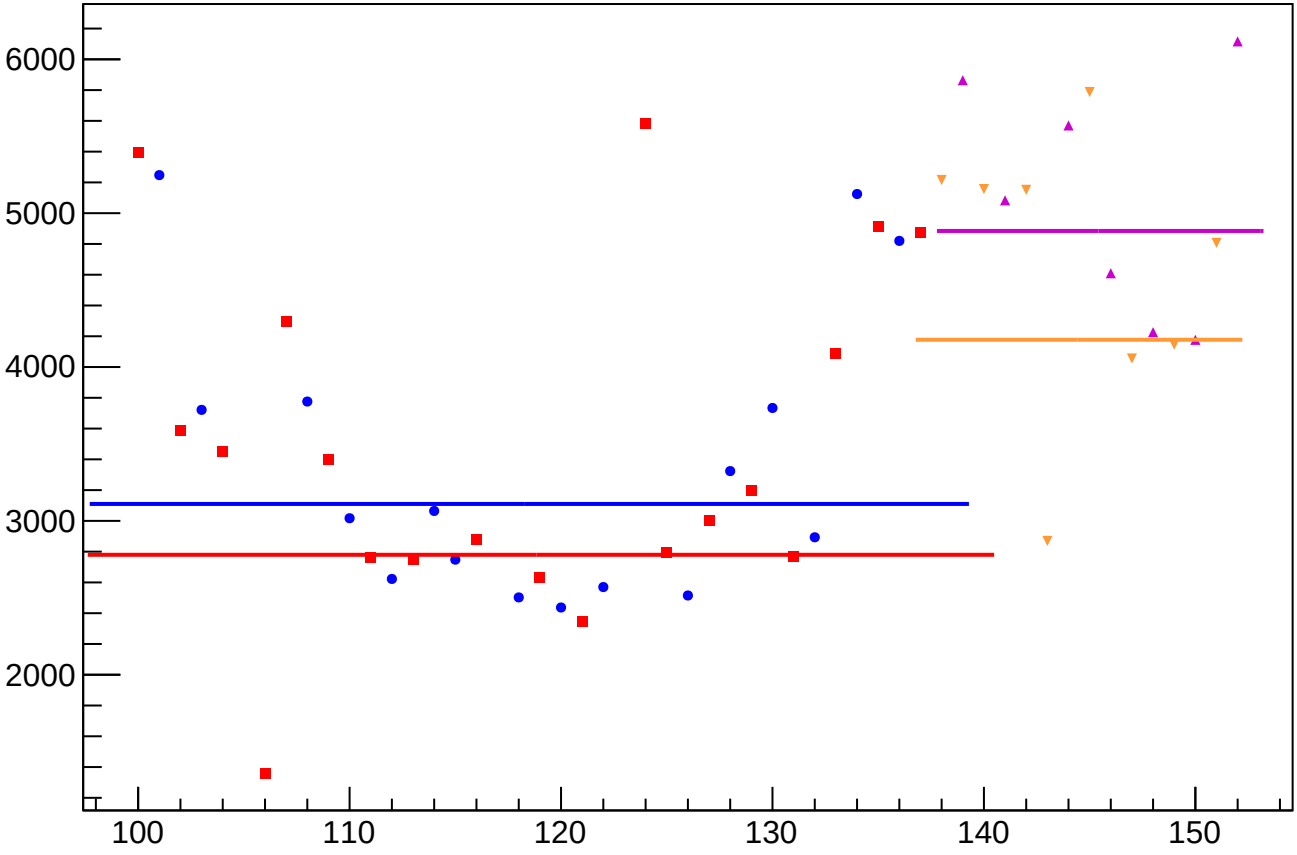
Left In: -1320.207+/-1997.895 χ^2/NDF:1.7/6

+ sign -216.826+/-985.425 χ^2/NDF: 28.5/23

All: -542.531+/-681.260 χ^2/NDF: 49.3/49

- sign -840.718+/-942.878 χ^2/NDF: 20.6/25

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4177.369+/-1.224 χ^2/NDF:646035.4/7

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

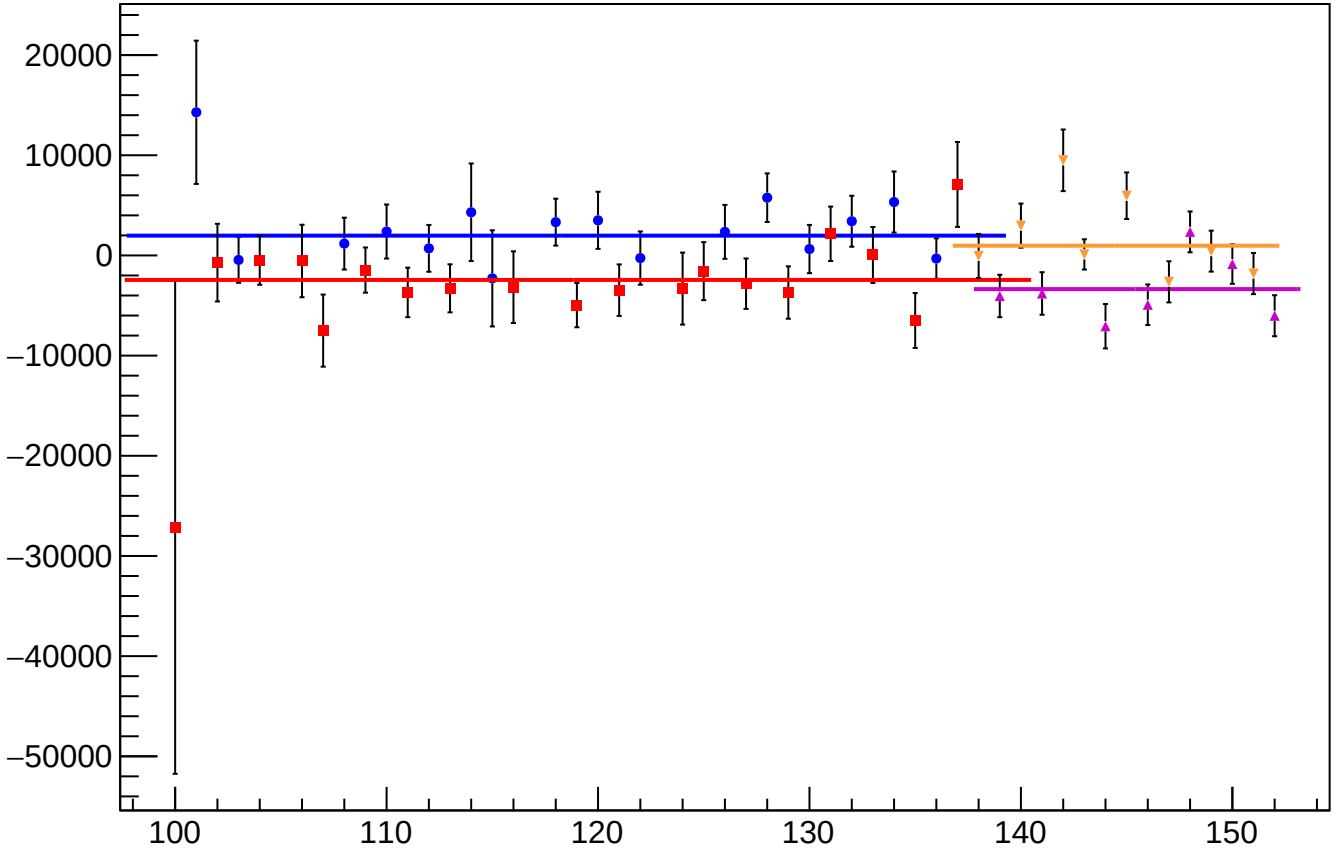
Left In: 4884.448+/-1.413 χ^2/NDF:244912.9/6

+ sign 3455.883+/-0.697 χ^2/NDF: 2043072.4/23

All: 3347.577+/-0.482 χ^2/NDF: 5407804.1/49

- sign 3248.422+/-0.667 χ^2/NDF: 3318454.1/25

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 971.674+/-734.089 χ^2/NDF:18.6/7

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

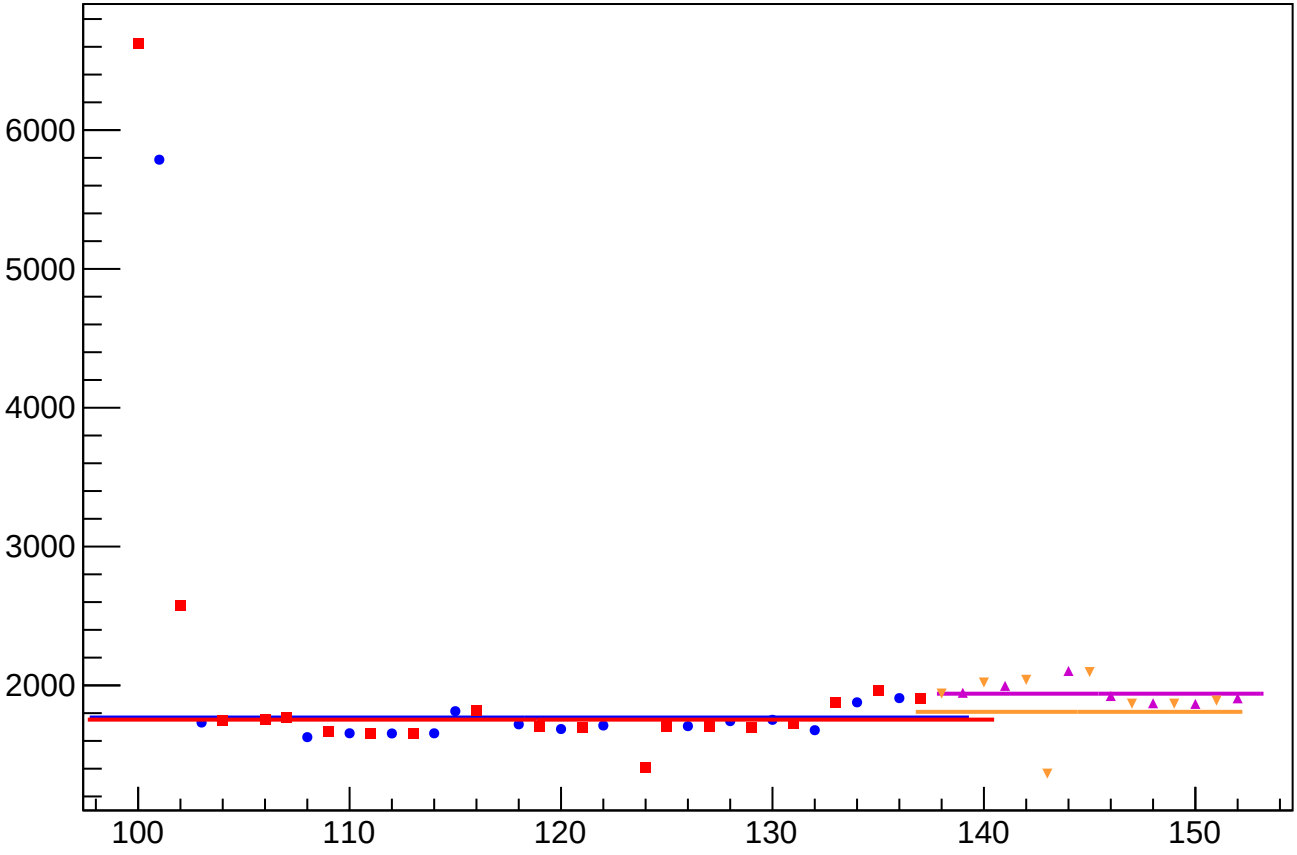
Left In: -3361.276+/-783.734 χ^2/NDF:14.7/6

+ sign 1516.448+/-496.511 χ^2/NDF: 32.1/23

All: -621.739+/-353.634 χ^2/NDF: 102.7/49

- sign -2823.148+/-503.798 χ^2/NDF: 32.9/25

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1809.467+/-0.519 χ^2/NDF:247444.4/7

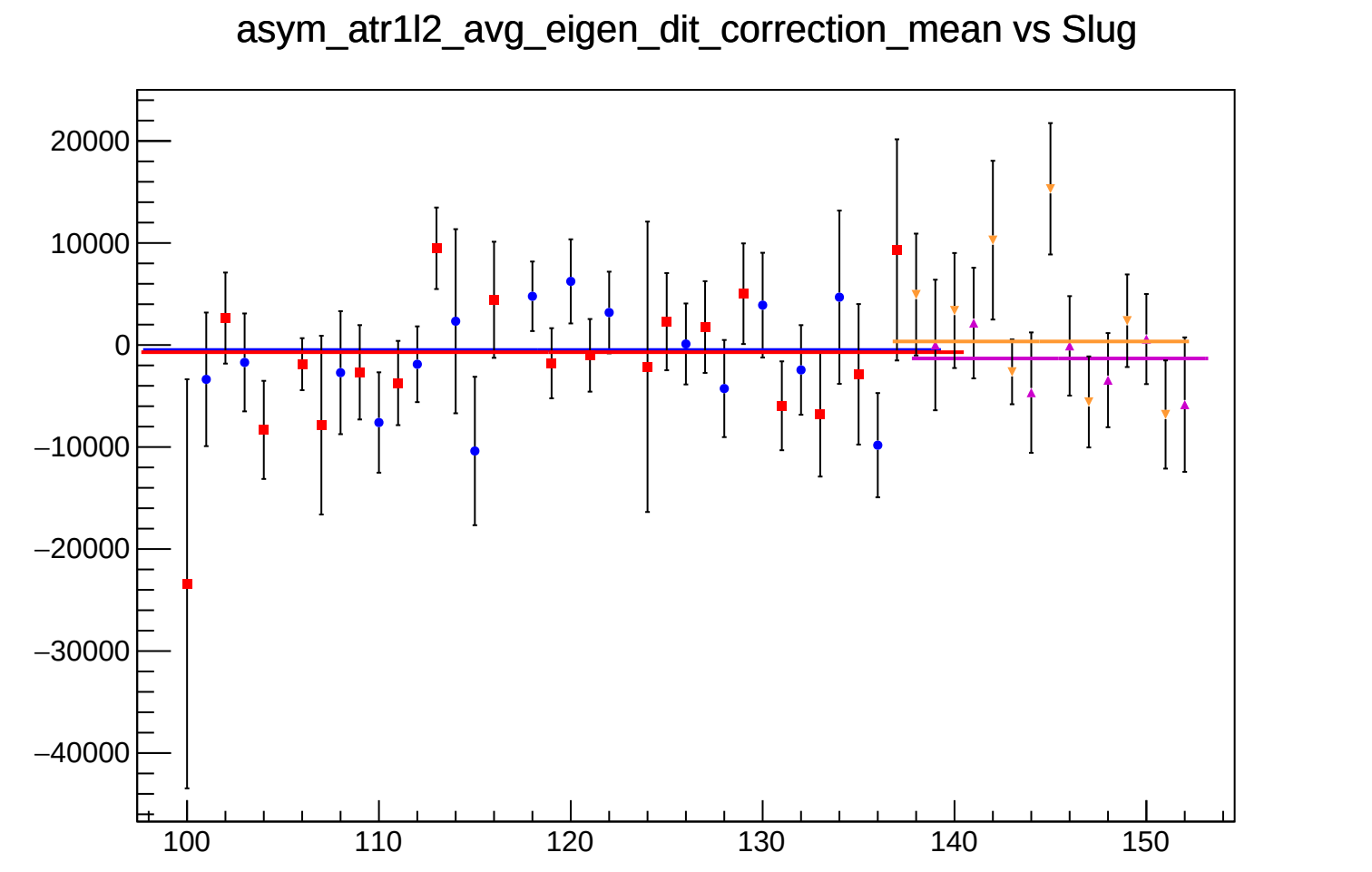
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1940.185+/-0.554 χ^2/NDF:18042.6/6

+ sign 1787.230+/-0.351 χ^2/NDF: 918194.4/23

All: 1808.500+/-0.250 χ^2/NDF: 1229356.2/49

- sign 1830.331+/-0.356 χ^2/NDF: 303724.3/25



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: 349.251+/-1731.303 χ^2/NDF:12.6/7

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

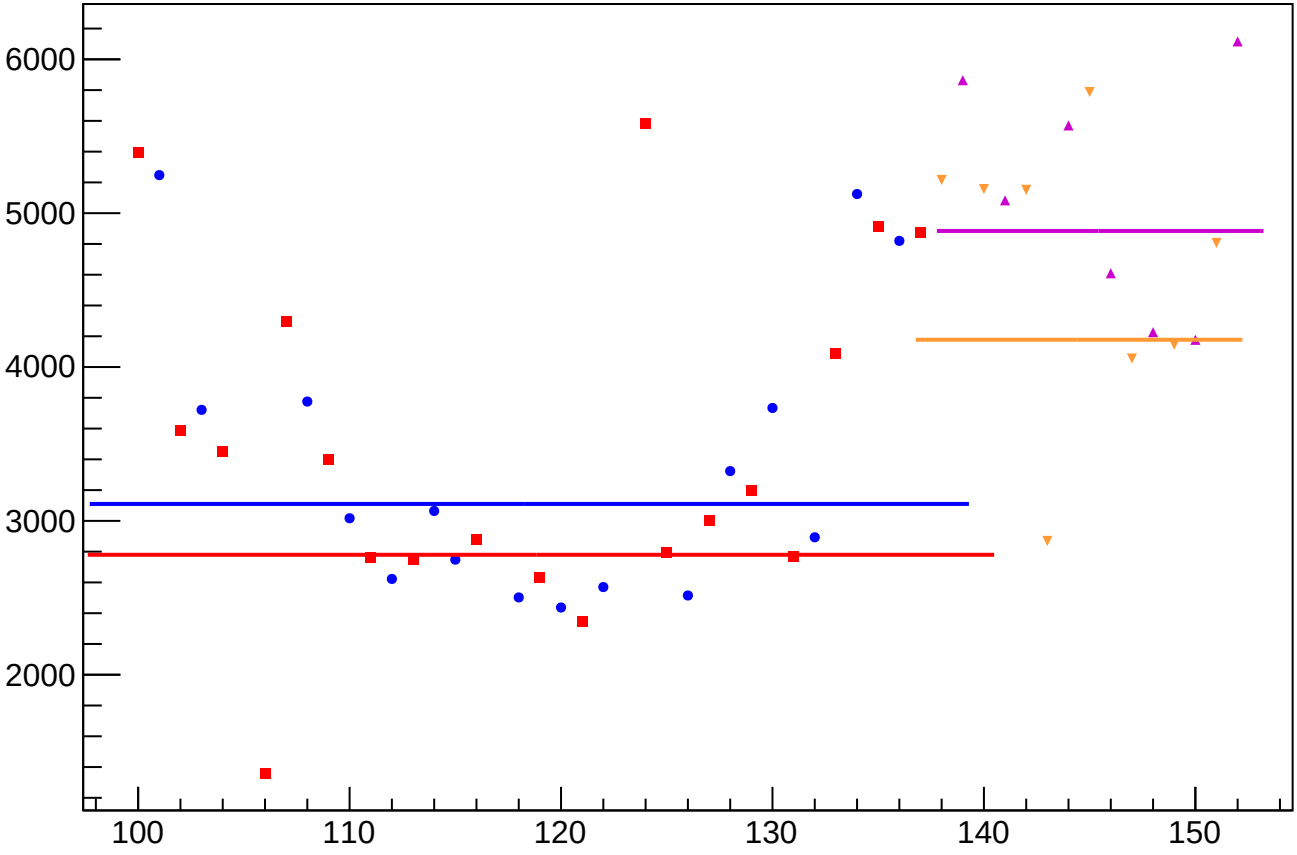
Left In: -1320.209+/-1997.897 χ^2/NDF:1.7/6

+ sign -216.825+/-985.423 χ^2/NDF: 28.5/23

All: -542.532+/-681.259 χ^2/NDF: 49.3/49

- sign -840.719+/-942.875 χ^2/NDF: 20.6/25

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4177.371+/-1.224 χ^2/NDF:646040.3/7

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

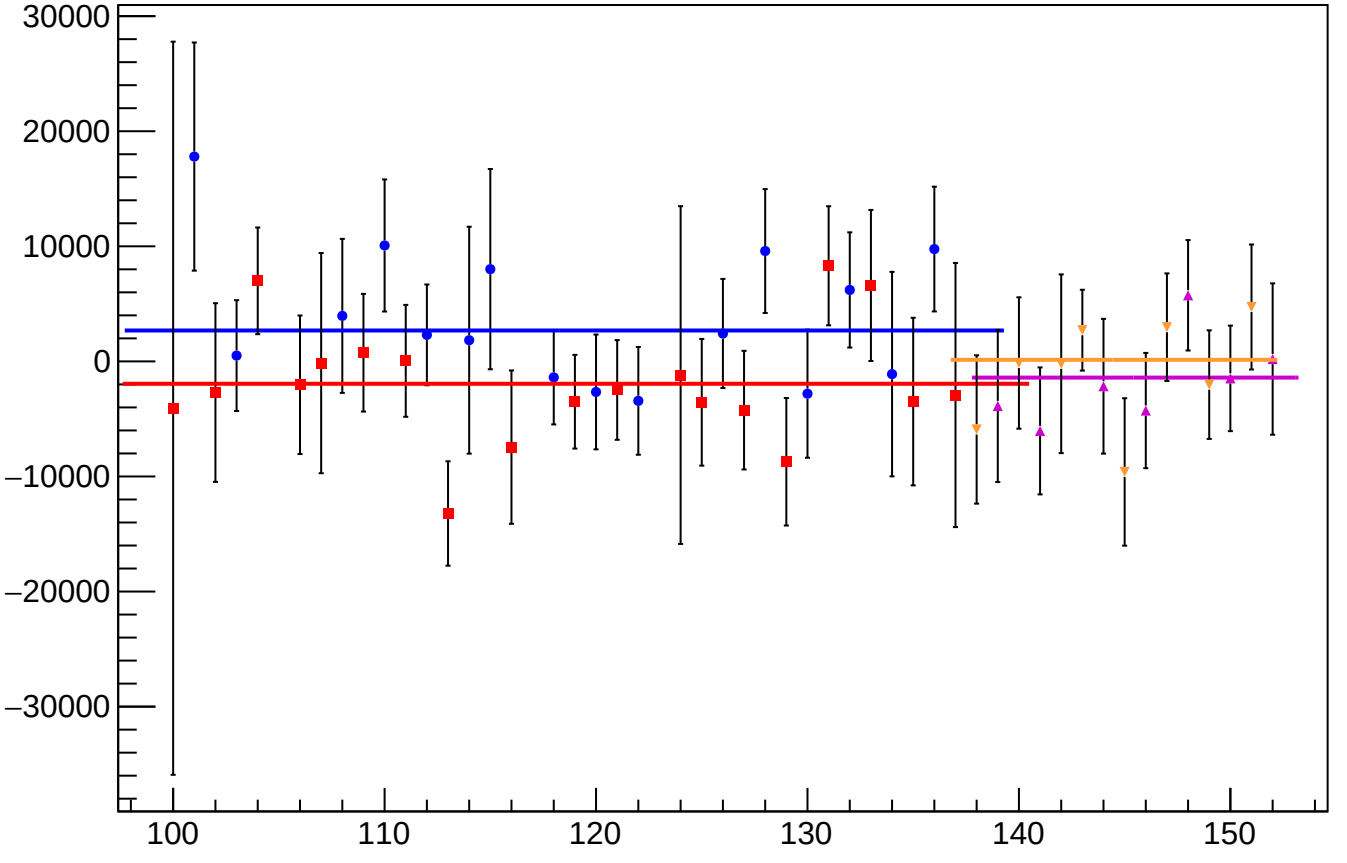
Left In: 4884.453+/-1.413 χ^2/NDF:244915.9/6

+ sign 3455.874+/-0.697 χ^2/NDF: 2043101.0/23

All: 3347.566+/-0.482 χ^2/NDF: 5407885.8/49

- sign 3248.409+/-0.667 χ^2/NDF: 3318505.2/25

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 137.138+/-1821.413 χ^2/NDF:5.0/7

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

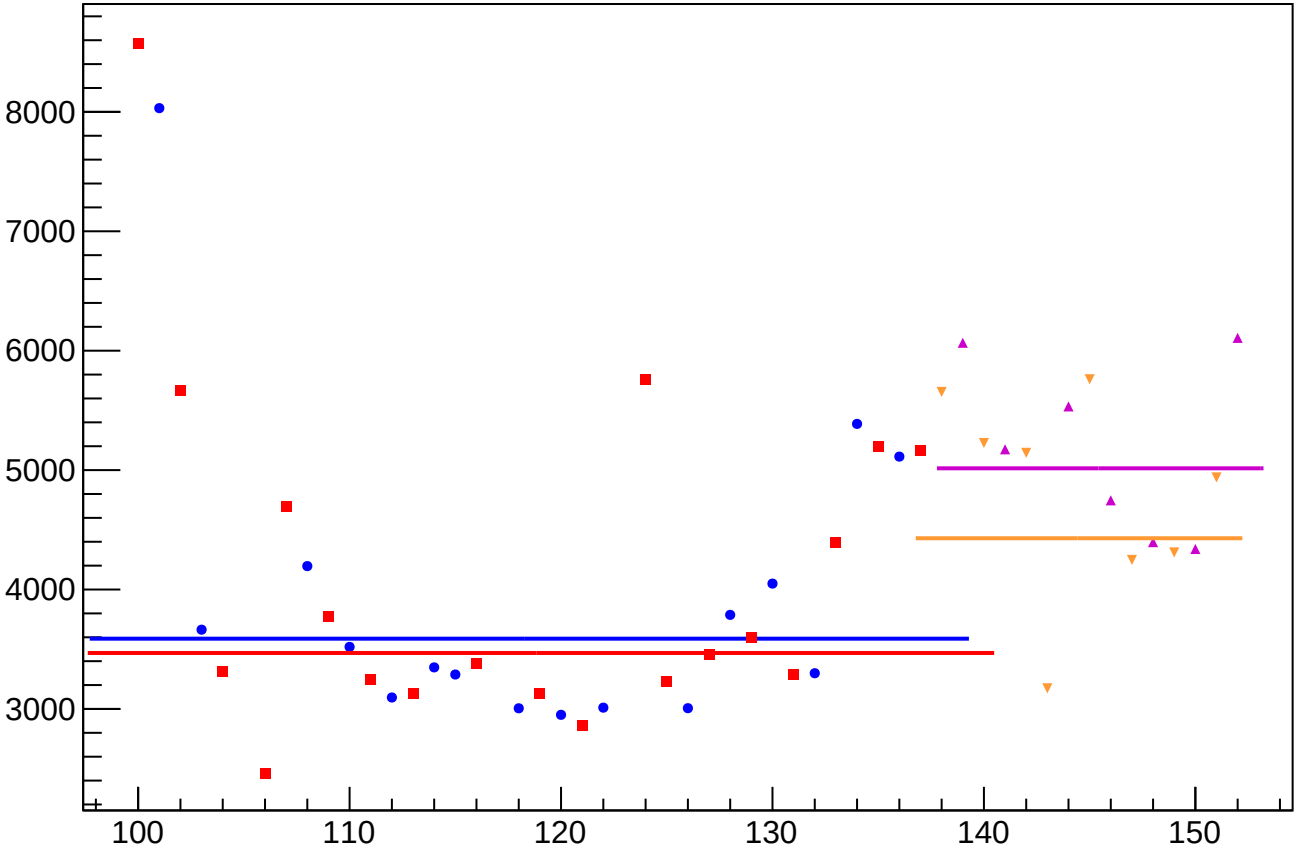
Left In: -1408.918+/-2046.025 χ^2/NDF:3.5/6

+ sign 1756.159+/-1099.899 χ^2/NDF: 19.7/23

All: 12.319+/-783.676 χ^2/NDF: 47.1/49

- sign -1785.741+/-1116.867 χ^2/NDF: 22.2/25

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4429.452+/-1.288 χ^2/NDF:492650.5/7

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

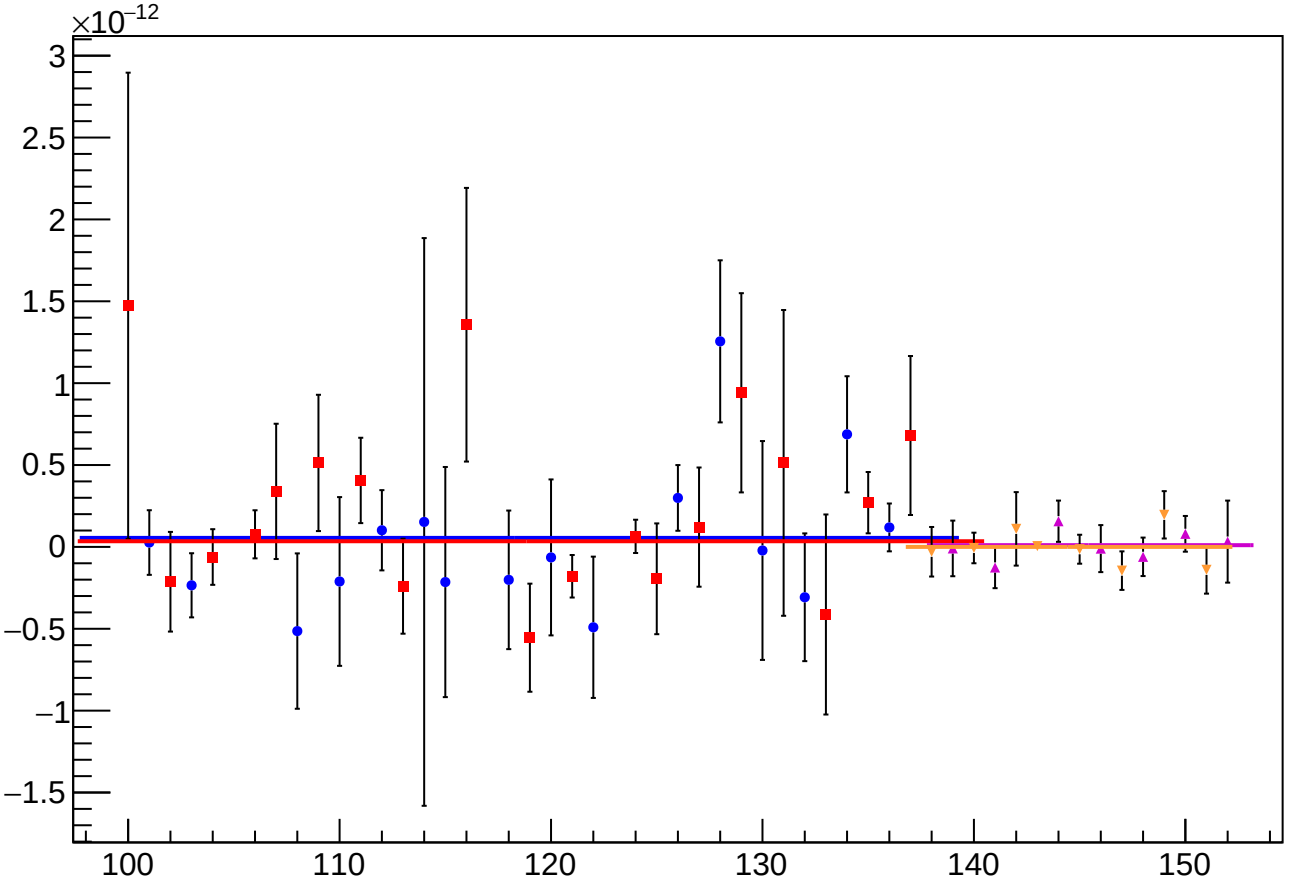
Left In: 5015.031+/-1.447 χ^2/NDF:205470.6/6

+ sign 3895.117+/-0.778 χ^2/NDF: 1608784.3/23

All: 3907.292+/-0.551 χ^2/NDF: 3290618.7/49

- sign 3919.577+/-0.781 χ^2/NDF: 1681342.1/25

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:4.6/7

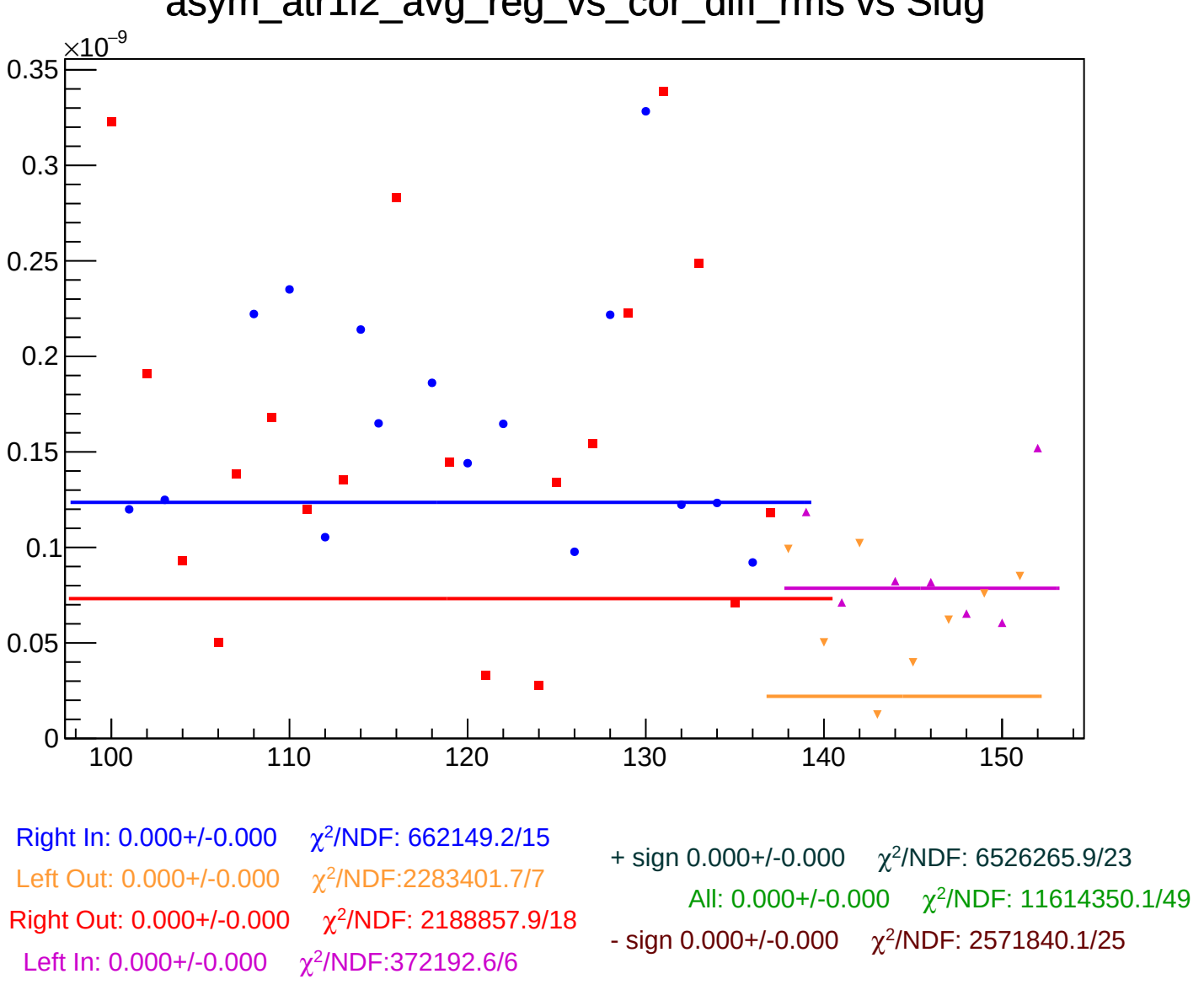
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/6

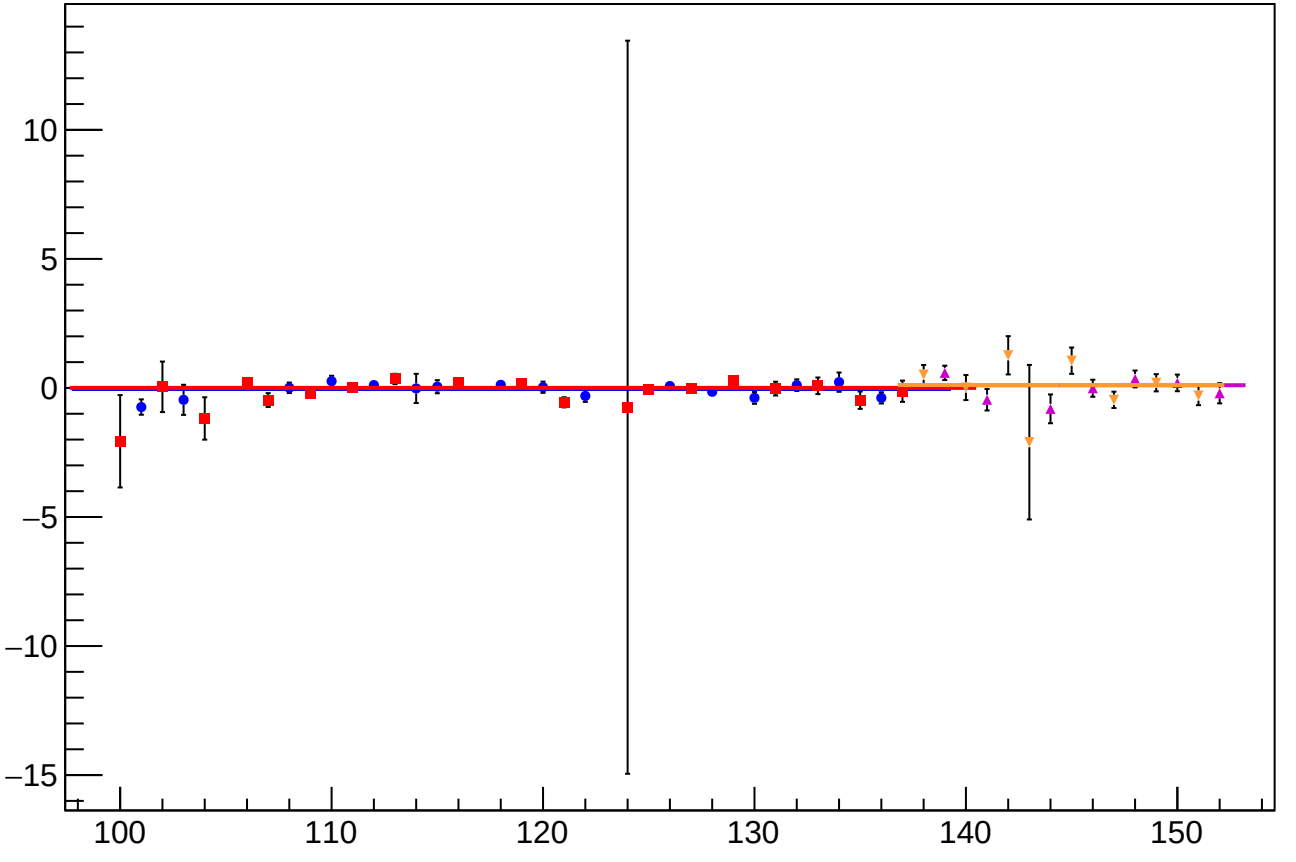
+ sign 0.000+/-0.000 χ^2/NDF: 22.9/23

All: 0.000+/-0.000 χ^2/NDF: 48.8/49

- sign 0.000+/-0.000 χ^2/NDF: 25.7/25


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 662149.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2283401.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:372192.6/6
+ sign 0.000+/-0.000 χ²/NDF: 6526265.9/23
All: 0.000+/-0.000 χ²/NDF: 11614350.1/49
- sign 0.000+/-0.000 χ²/NDF: 2571840.1/25

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.115+/-0.152 χ^2/NDF:12.1/7

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

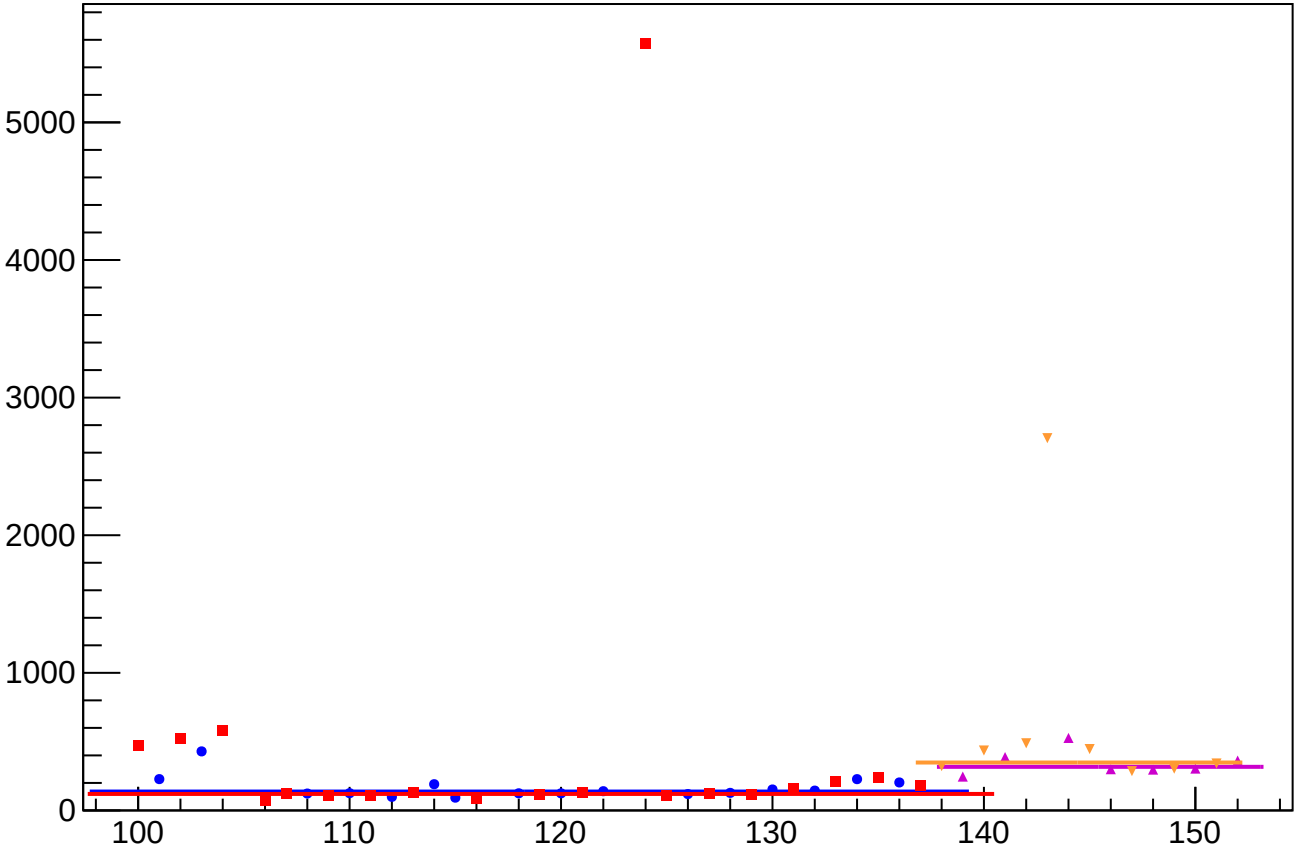
Left In: 0.106+/-0.133 χ^2/NDF:8.8/6

\+ sign -0.021+/-0.052 χ^2/NDF: 31.0/23

All: -0.001+/-0.035 χ^2/NDF: 69.3/49

\- sign 0.016+/-0.048 χ^2/NDF: 38.1/25

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 348.328+/-0.107 χ^2/NDF:1572737.9/7

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

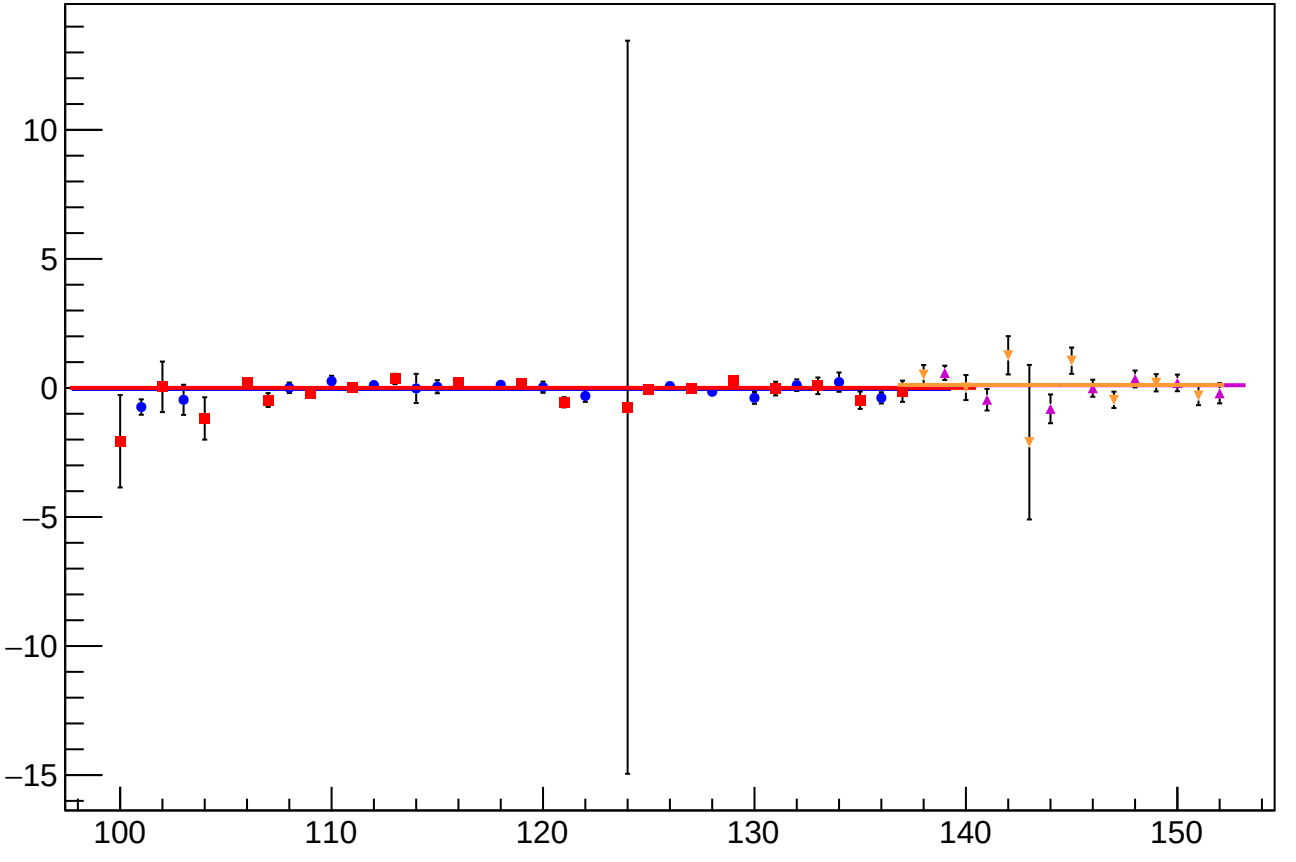
Left In: 317.001+/-0.094 χ^2/NDF:513367.6/6

+ sign 162.500+/-0.037 χ^2/NDF: 6239340.3/23

All: 153.005+/-0.025 χ^2/NDF: 12836926.1/49

- sign 145.181+/-0.034 χ^2/NDF: 6477772.5/25

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: 0.115+/-0.152 χ^2/NDF:12.1/7

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

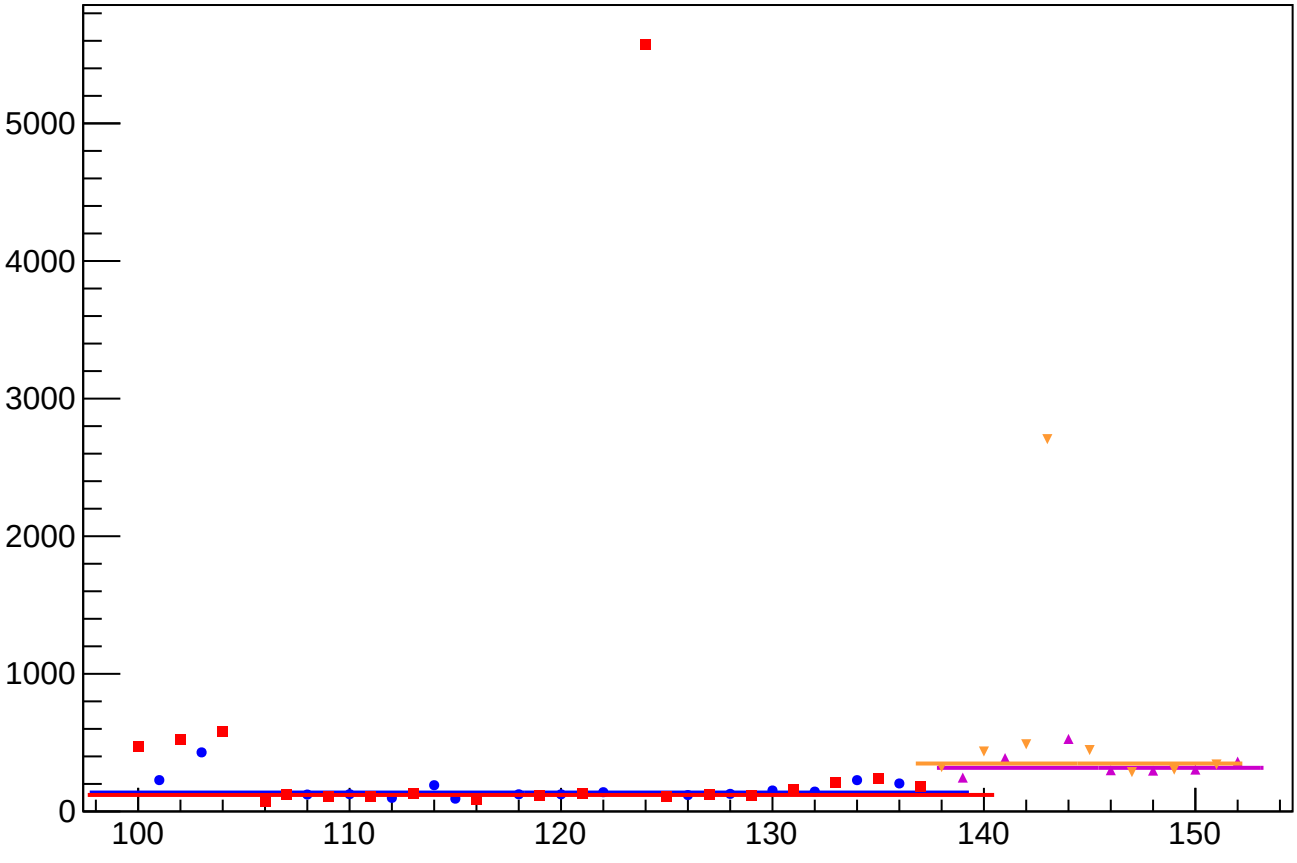
Left In: 0.106+/-0.133 χ^2/NDF:8.8/6

+ sign -0.021+/-0.052 χ^2/NDF: 31.0/23

All: -0.001+/-0.035 χ^2/NDF: 69.3/49

- sign 0.016+/-0.048 χ^2/NDF: 38.1/25

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: 348.328+/-0.107 χ^2/NDF:1572737.9/7

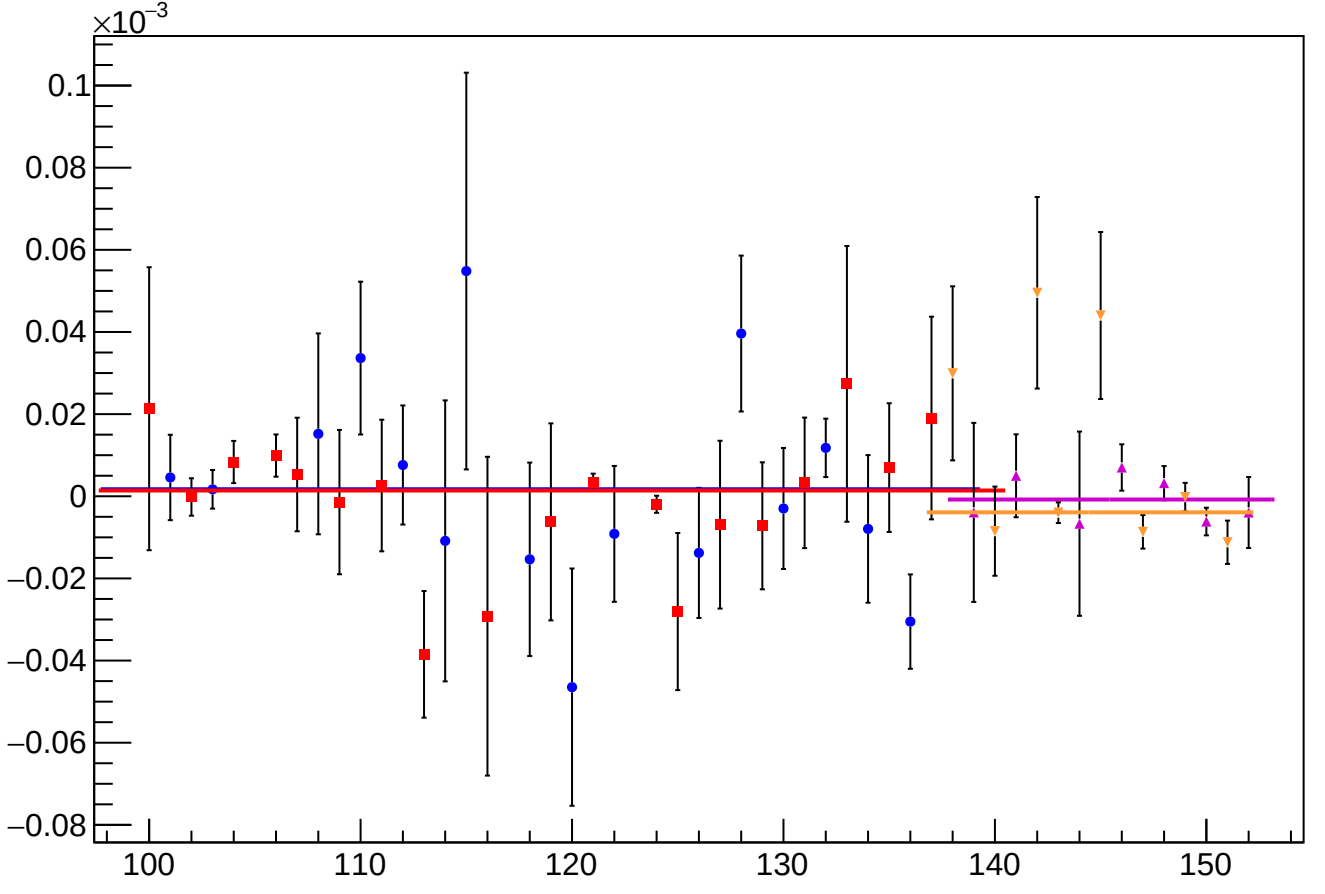
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 317.001+/-0.094 χ^2/NDF:513367.6/6

+ sign 162.500+/-0.037 χ^2/NDF: 6239340.3/23

All: 153.005+/-0.025 χ^2/NDF: 12836926.1/49

- sign 145.181+/-0.034 χ^2/NDF: 6477772.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

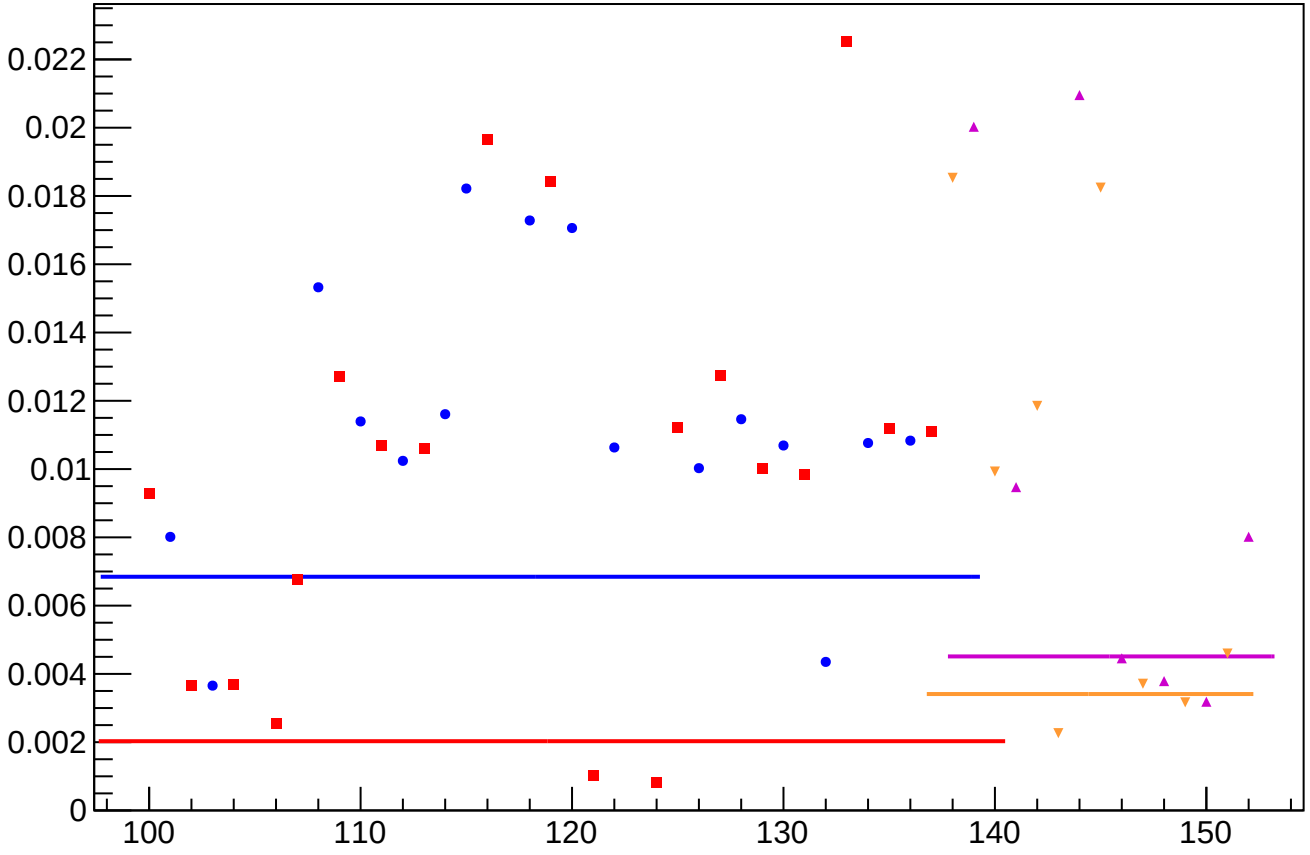
Left In: -0.000+/-0.000 χ^2/NDF:5.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 44.4/23

All: -0.000+/-0.000 χ^2/NDF: 74.9/49

- sign 0.000+/-0.000 χ^2/NDF: 26.9/25

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:3603927.1/7

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

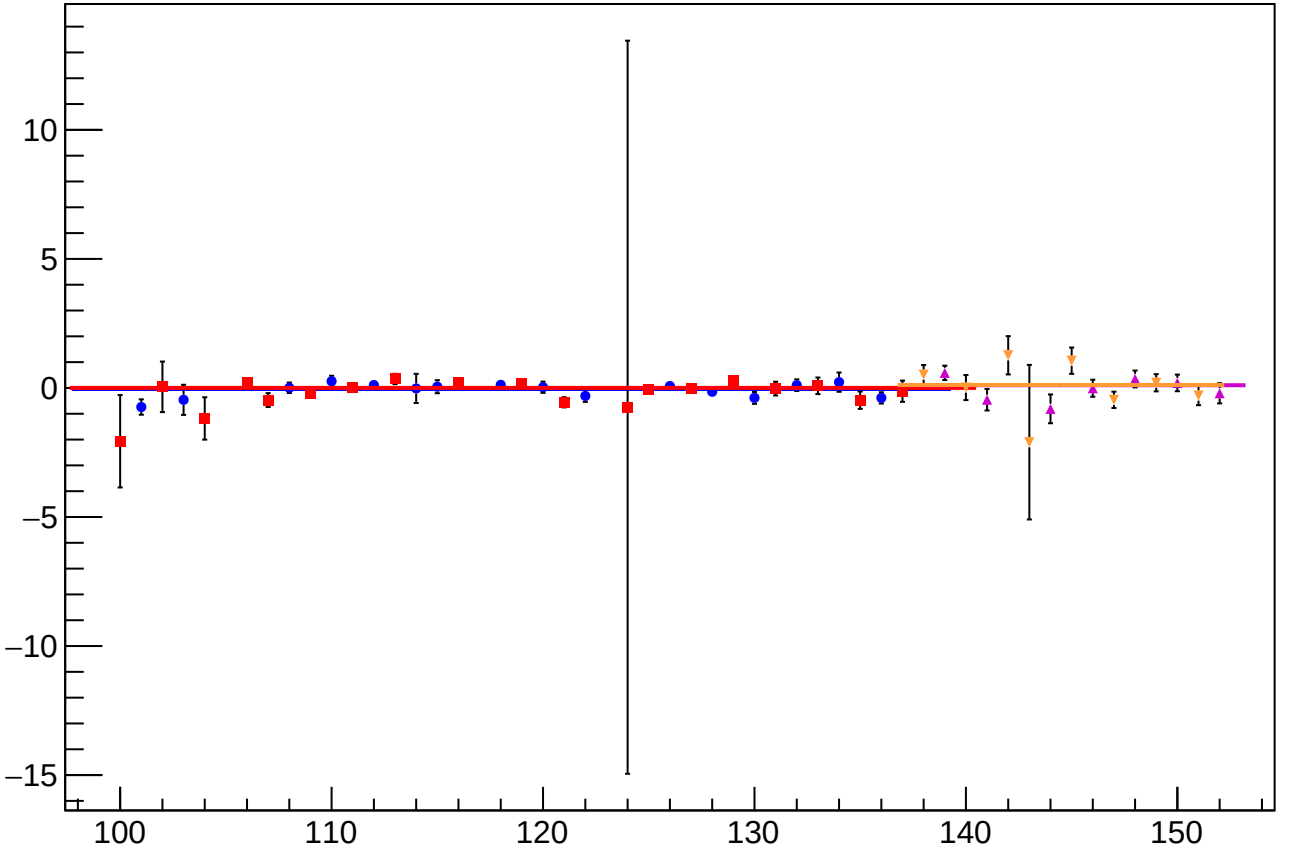
Left In: 0.005+/-0.000 χ^2/NDF:3271058.7/6

+ sign 0.004+/-0.000 χ^2/NDF: 8860925.6/23

All: 0.003+/-0.000 χ^2/NDF: 24606932.2/49

- sign 0.003+/-0.000 χ^2/NDF: 14189511.0/25

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: 0.115+/-0.152 χ^2/NDF:12.1/7

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

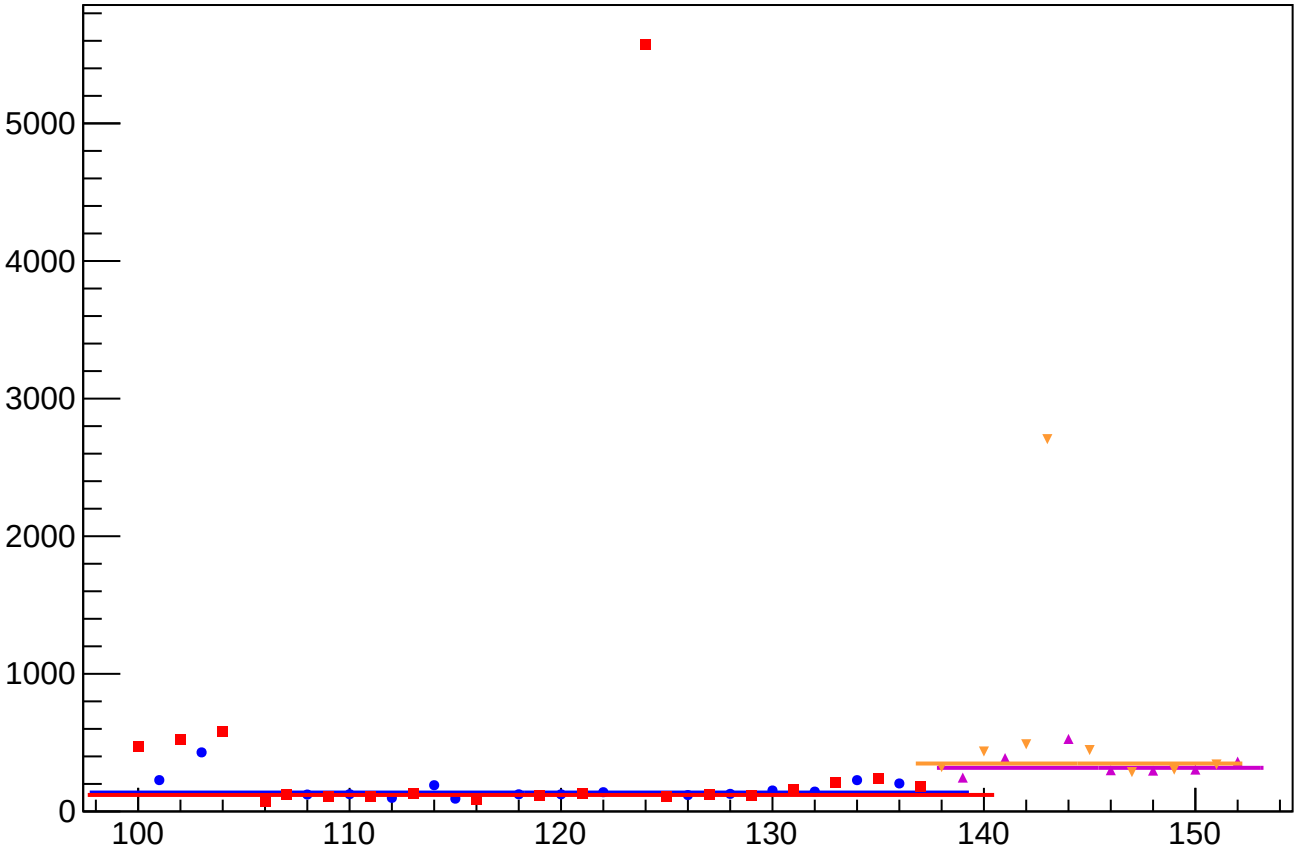
Left In: 0.106+/-0.133 χ^2/NDF:8.8/6

\+ sign -0.021+/-0.052 χ^2/NDF: 31.0/23

All: -0.001+/-0.035 χ^2/NDF: 69.3/49

\- sign 0.016+/-0.048 χ^2/NDF: 38.1/25

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: 348.330+/-0.107 χ^2/NDF:1572765.3/7

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

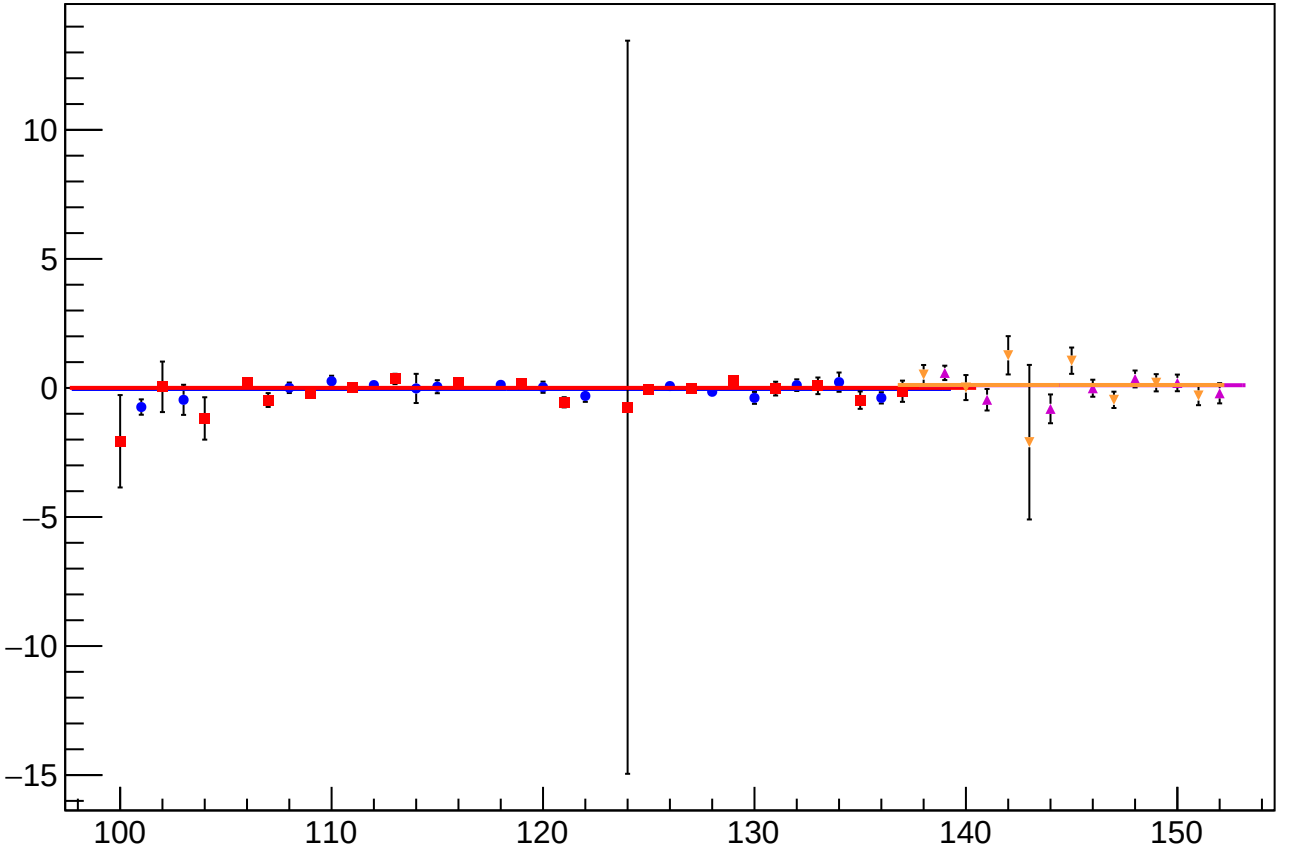
Left In: 317.005+/-0.094 χ^2/NDF:513357.6/6

+ sign 162.501+/-0.037 χ^2/NDF: 6239299.5/23

All: 153.006+/-0.025 χ^2/NDF: 12836889.2/49

- sign 145.181+/-0.034 χ^2/NDF: 6477762.3/25

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.115+/-0.152 χ^2/NDF:12.1/7

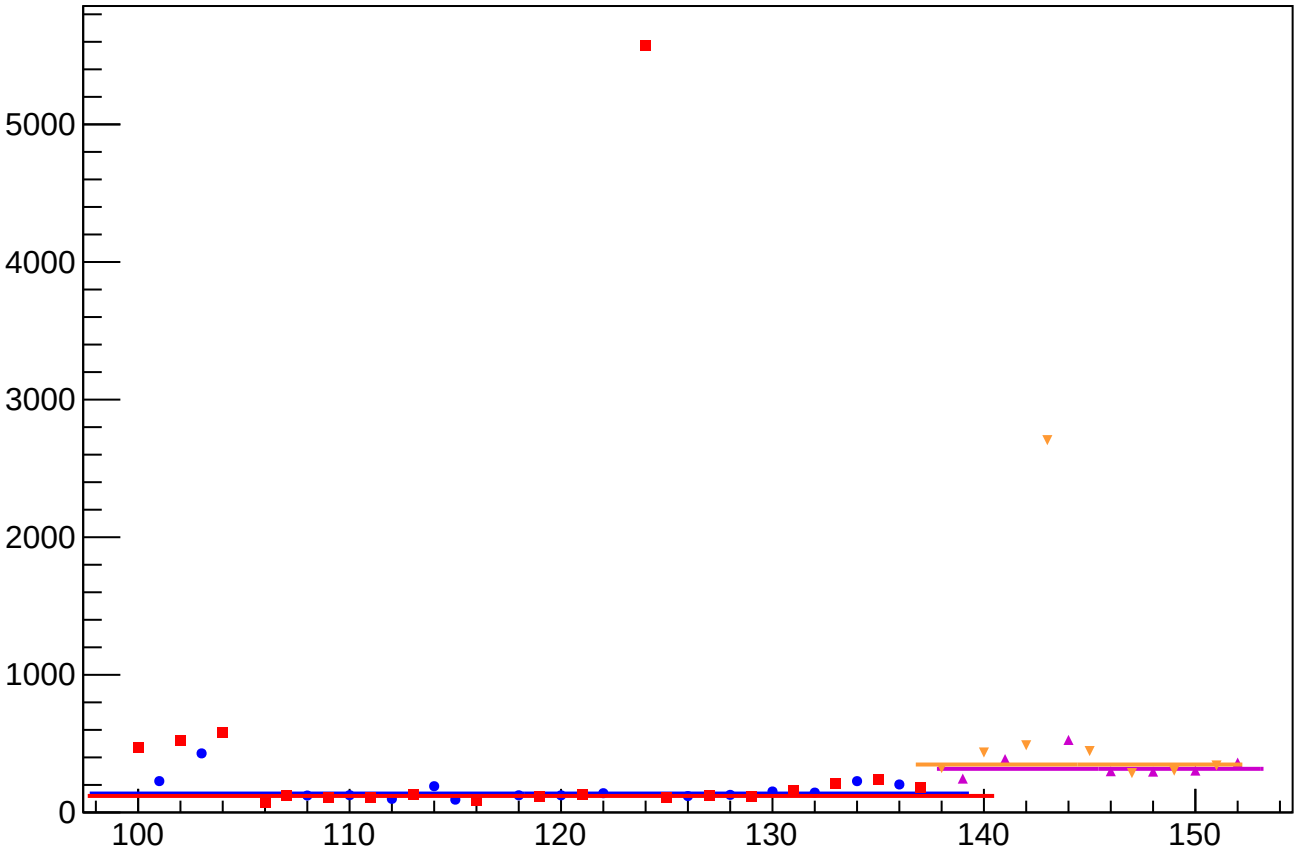
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.106+/-0.133 χ^2/NDF:8.8/6

+ sign -0.021+/-0.052 χ^2/NDF: 31.0/23

All: -0.001+/-0.035 χ^2/NDF: 69.3/49

- sign 0.016+/-0.048 χ^2/NDF: 38.1/25



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 348.330+/-0.107 χ^2/NDF:1572765.3/7

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

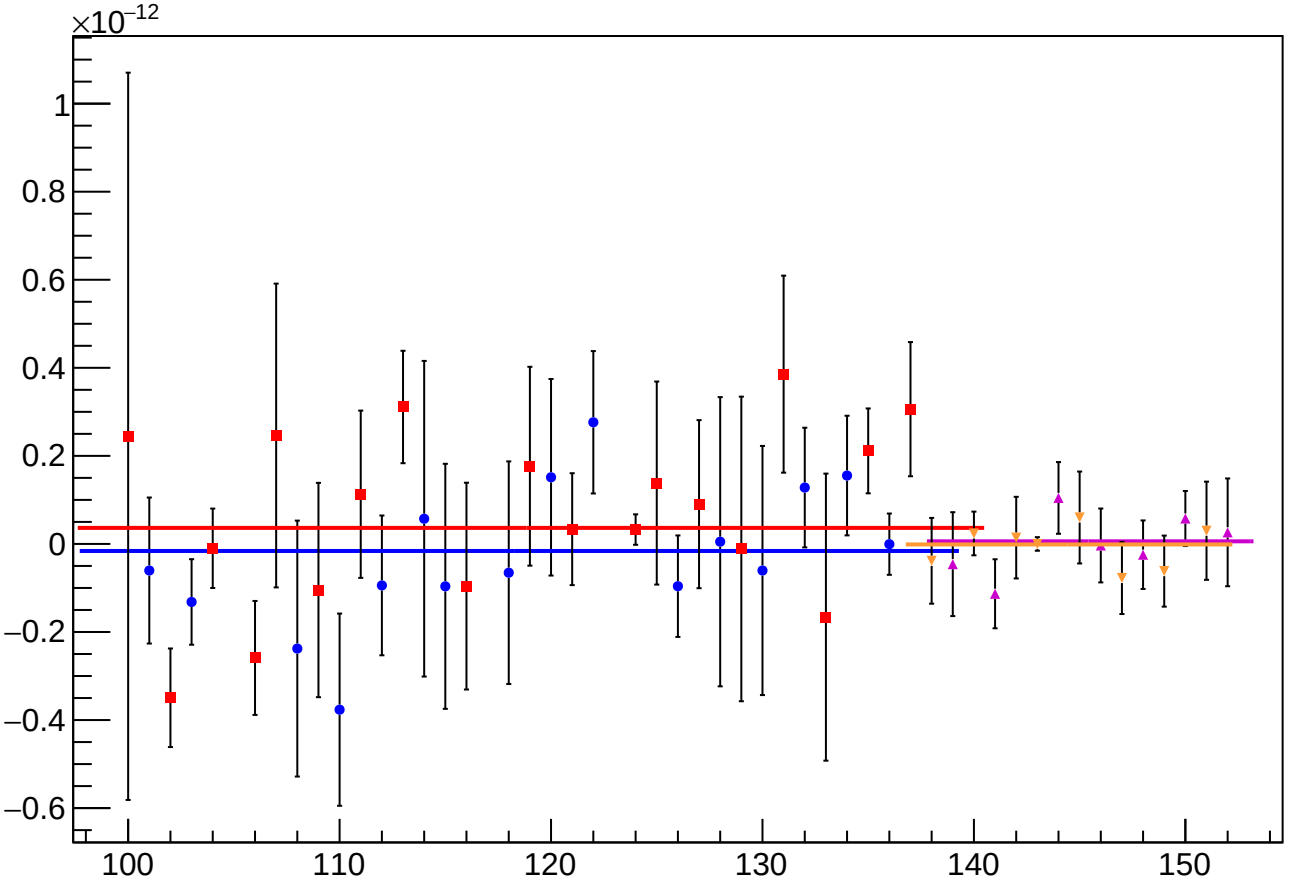
Left In: 317.005+/-0.094 χ^2/NDF:513357.6/6

+ sign 162.501+/-0.037 χ^2/NDF: 6239299.5/23

All: 153.006+/-0.025 χ^2/NDF: 12836889.2/49

- sign 145.181+/-0.034 χ^2/NDF: 6477762.3/25

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:2.3/7

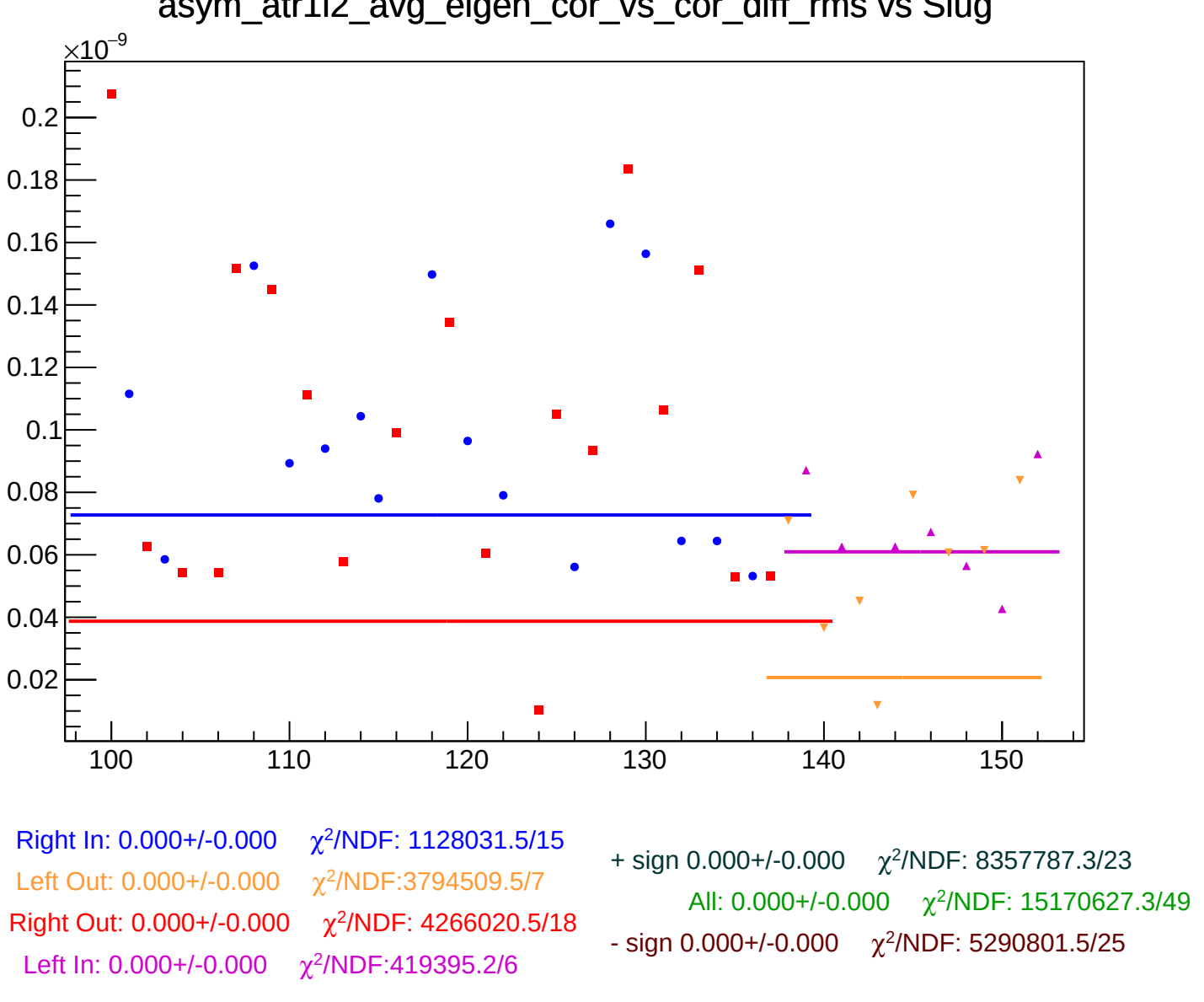
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/6

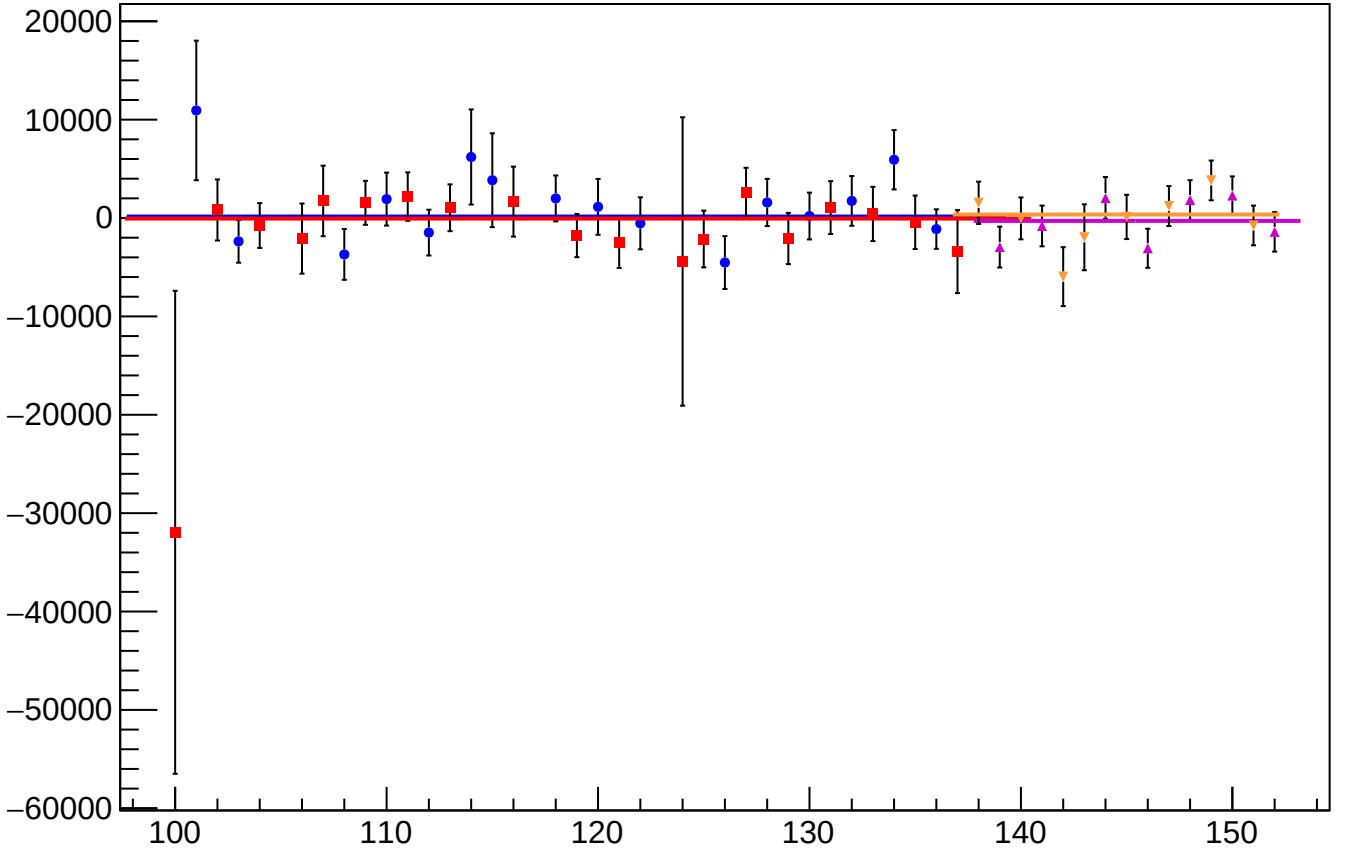
+ sign -0.000+/-0.000 χ^2/NDF: 14.7/23

All: 0.000+/-0.000 χ^2/NDF: 54.6/49

- sign 0.000+/-0.000 χ^2/NDF: 38.6/25


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3794509.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:419395.2/6
+ sign 0.000+/-0.000 χ²/NDF: 8357787.3/23
All: 0.000+/-0.000 χ²/NDF: 15170627.3/49
- sign 0.000+/-0.000 χ²/NDF: 5290801.5/25

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 356.994+/-798.554 χ^2/NDF:8.7/7

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

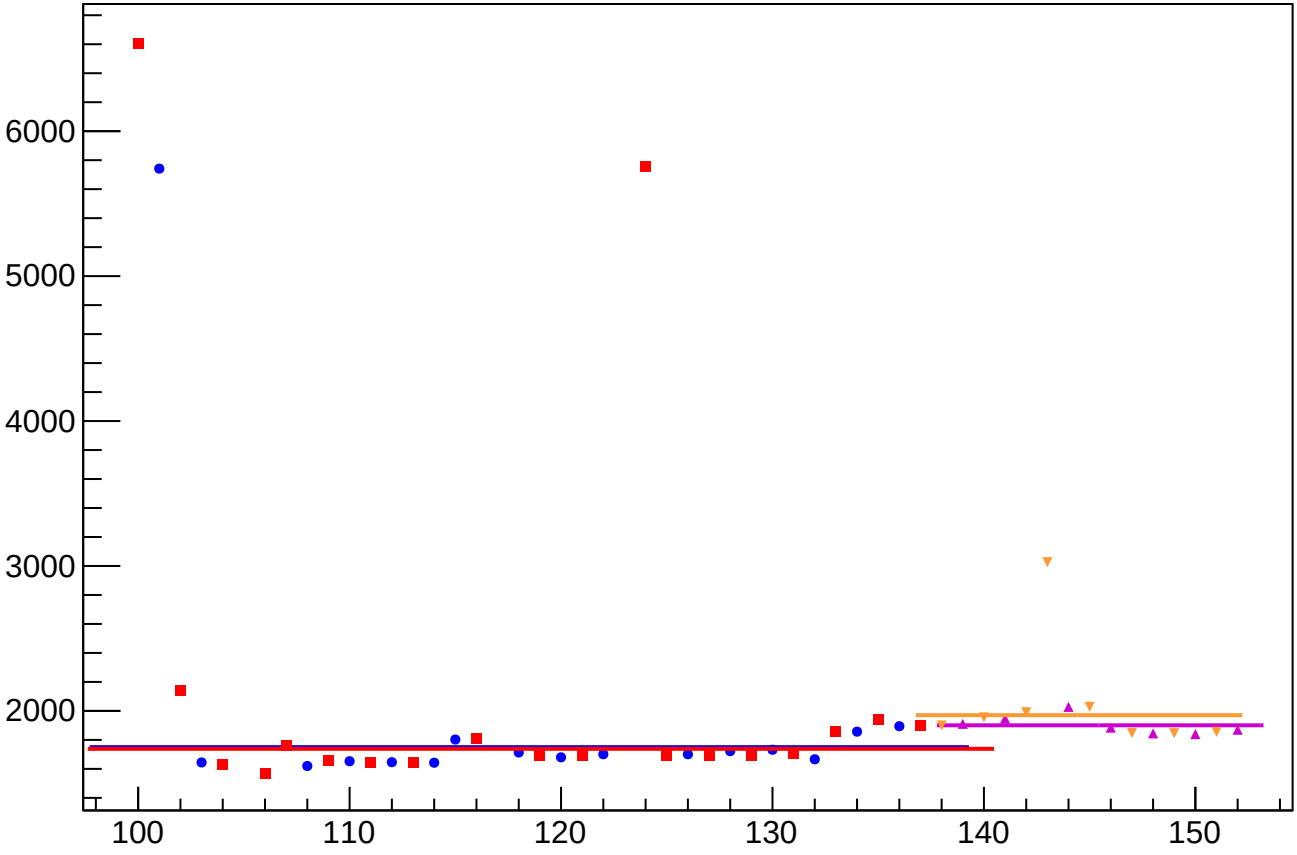
Left In: -292.677+/-767.507 χ^2/NDF:8.0/6

+ sign 235.494+/-511.931 χ^2/NDF: 26.4/23

All: 35.158+/-357.091 χ^2/NDF: 43.8/49

- sign -154.687+/-498.347 χ^2/NDF: 17.1/25

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1970.618+/-0.565 χ^2/NDF:223760.3/7

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

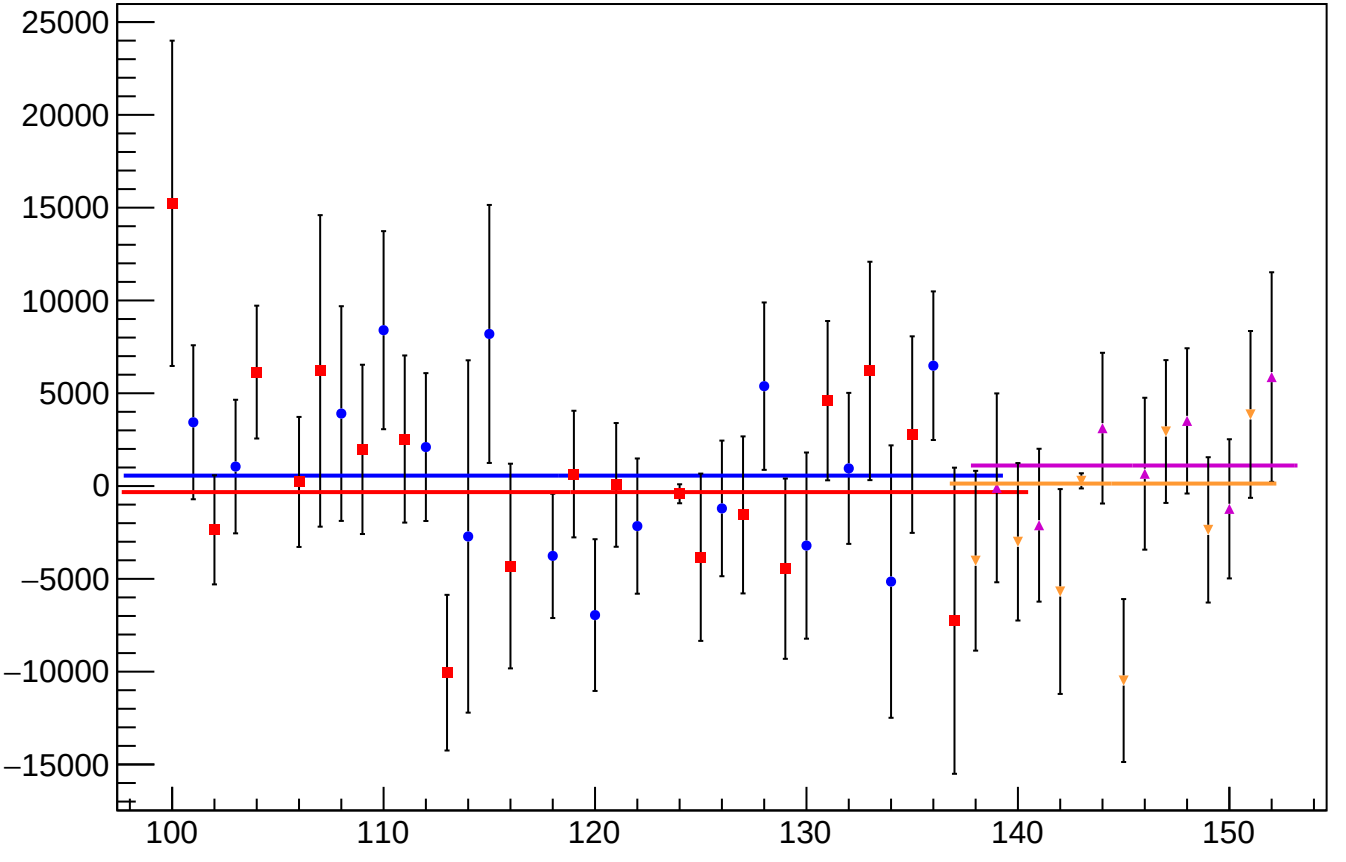
Left In: 1900.634+/-0.543 χ^2/NDF:12218.7/6

+ sign 1840.589+/-0.362 χ^2/NDF: 983363.3/23

All: 1822.895+/-0.252 χ^2/NDF: 1356656.8/49

- sign 1806.270+/-0.351 χ^2/NDF: 368659.7/25

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 133.503+/-397.140 χ^2/NDF:10.0/7

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

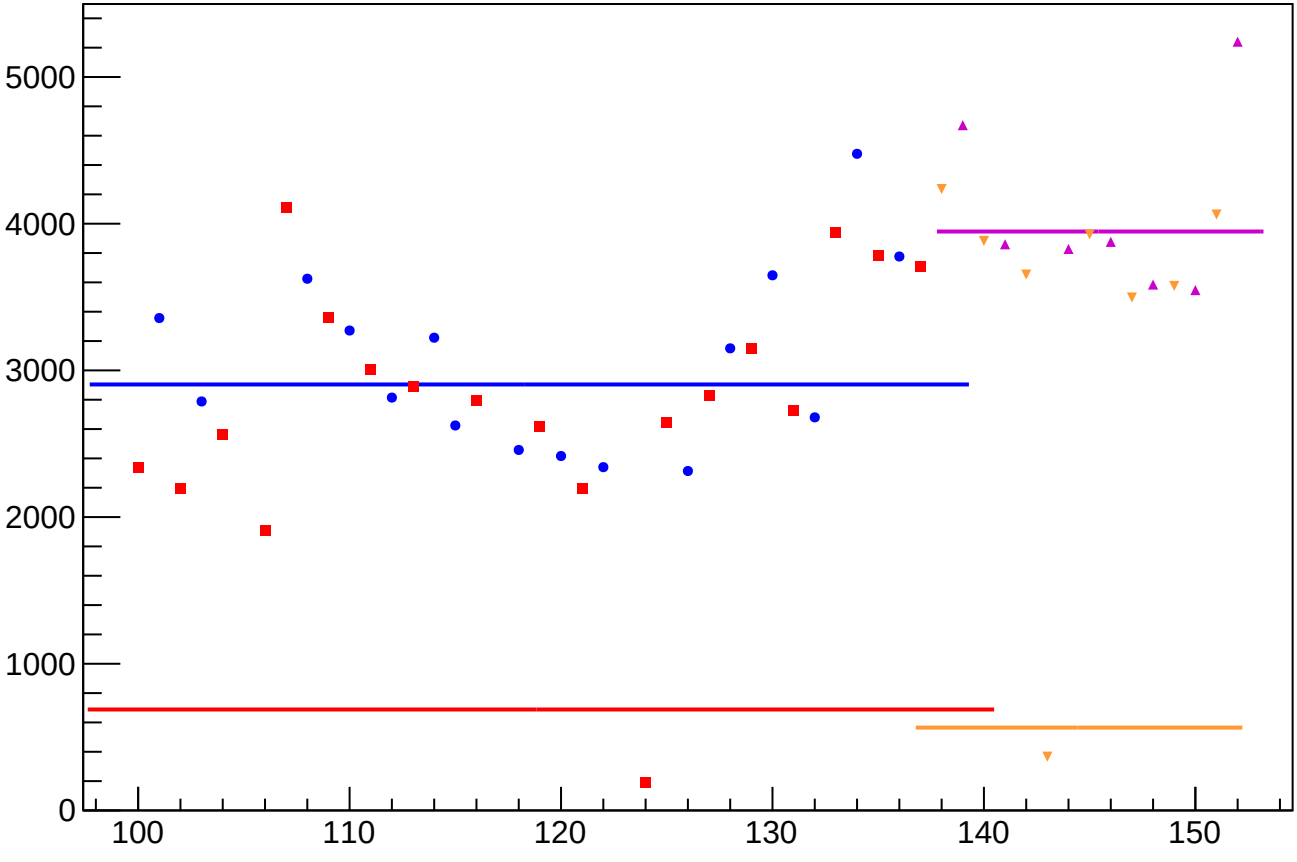
Left In: 1107.049+/-1610.119 χ^2/NDF:2.4/6

+ sign 182.862+/-373.586 χ^2/NDF: 24.9/23

All: 15.003+/-284.911 χ^2/NDF: 47.8/49

- sign -218.350+/-440.478 χ^2/NDF: 22.4/25

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 564.963+/-0.281 χ^2/NDF:8195543.4/7

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

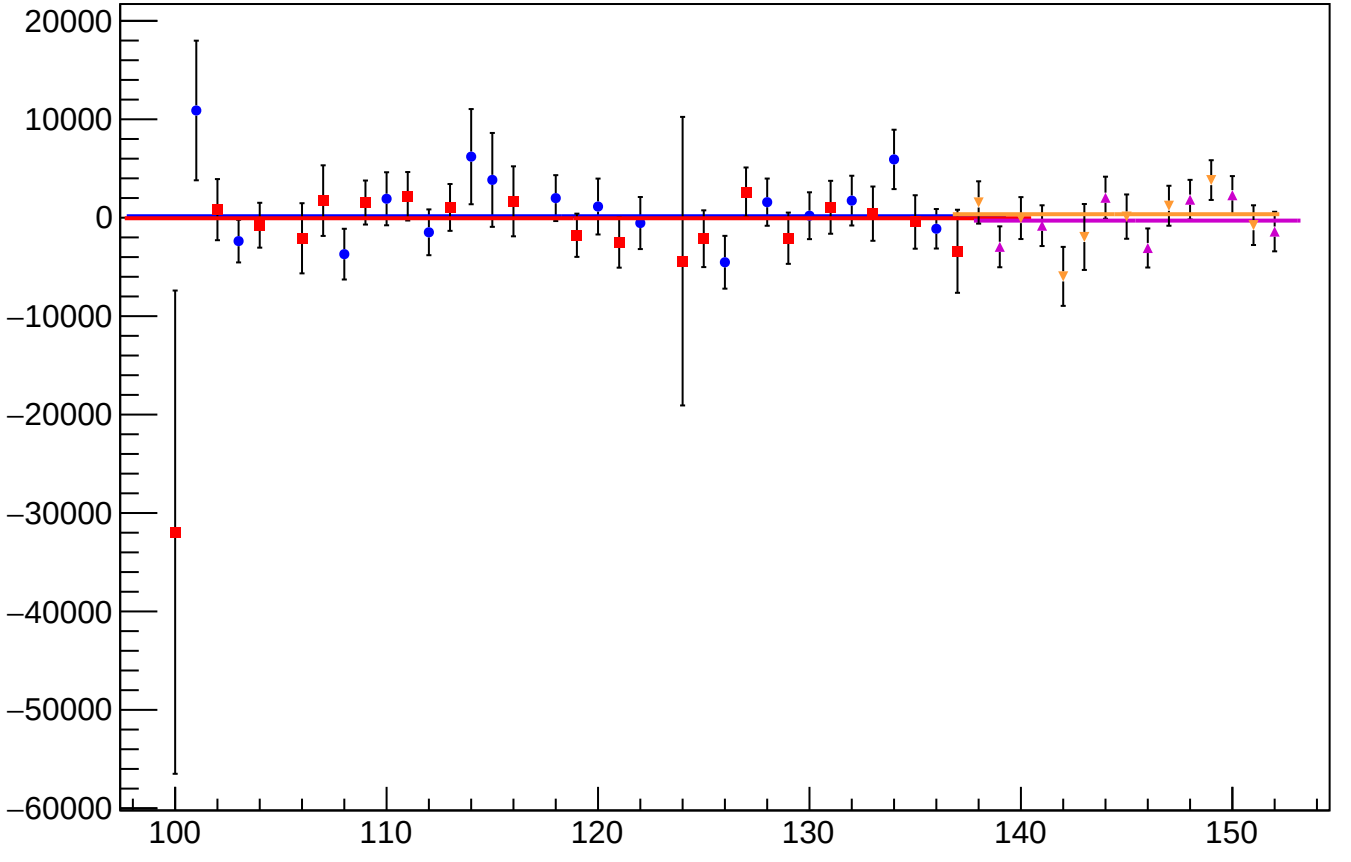
Left In: 3946.748+/-1.139 χ^2/NDF:188637.8/6

+ sign 834.194+/-0.264 χ^2/NDF: 16661097.3/23

All: 875.189+/-0.201 χ^2/NDF: 34634087.6/49

- sign 932.180+/-0.311 χ^2/NDF: 17915426.8/25

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 356.979+/-798.554 χ^2/NDF:8.7/7

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

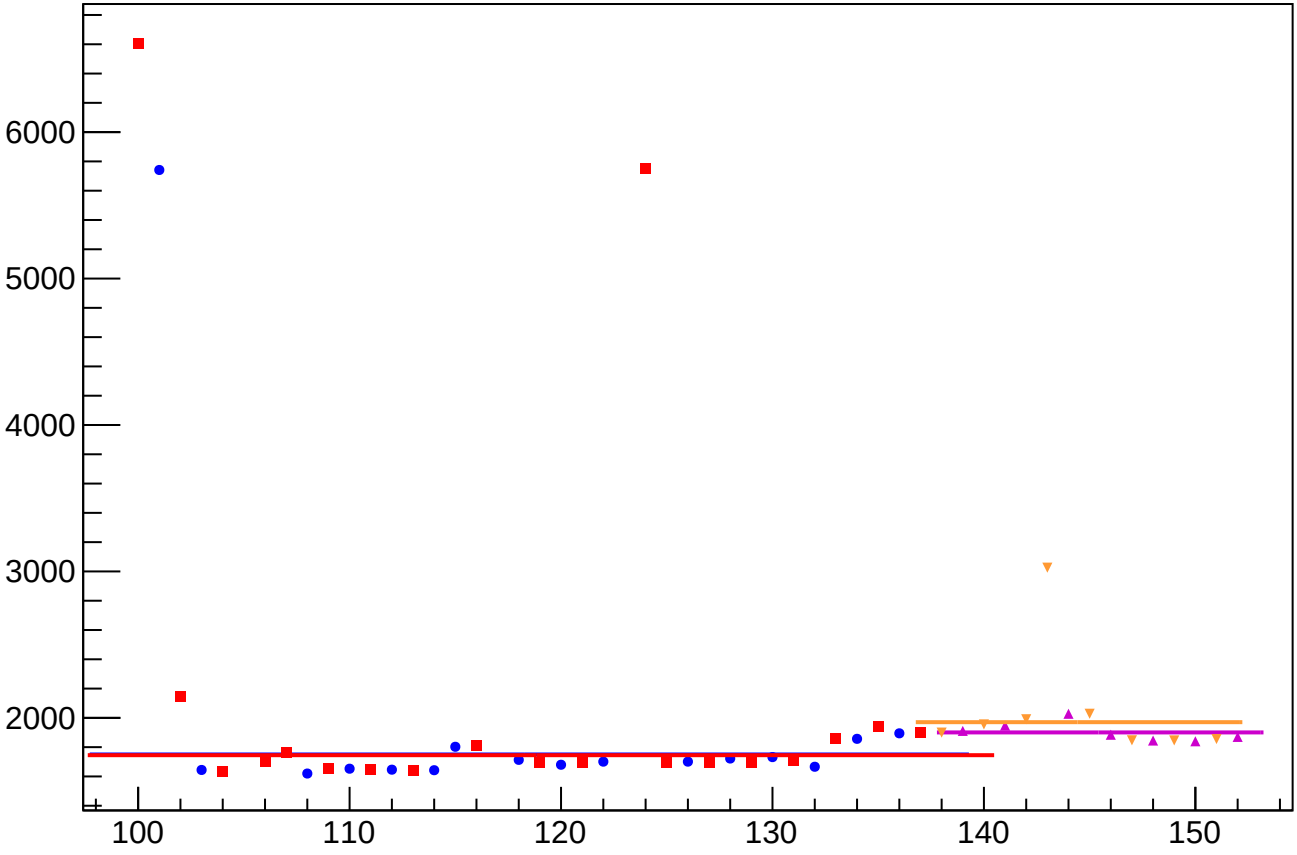
Left In: -292.710+/-767.507 χ^2/NDF:8.0/6

+ sign 235.212+/-511.932 χ^2/NDF: 26.4/23

All: 34.998+/-357.091 χ^2/NDF: 43.7/49

- sign -154.731+/-498.347 χ^2/NDF: 17.1/25

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1970.619+/-0.565 χ^2/NDF:223760.3/7

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

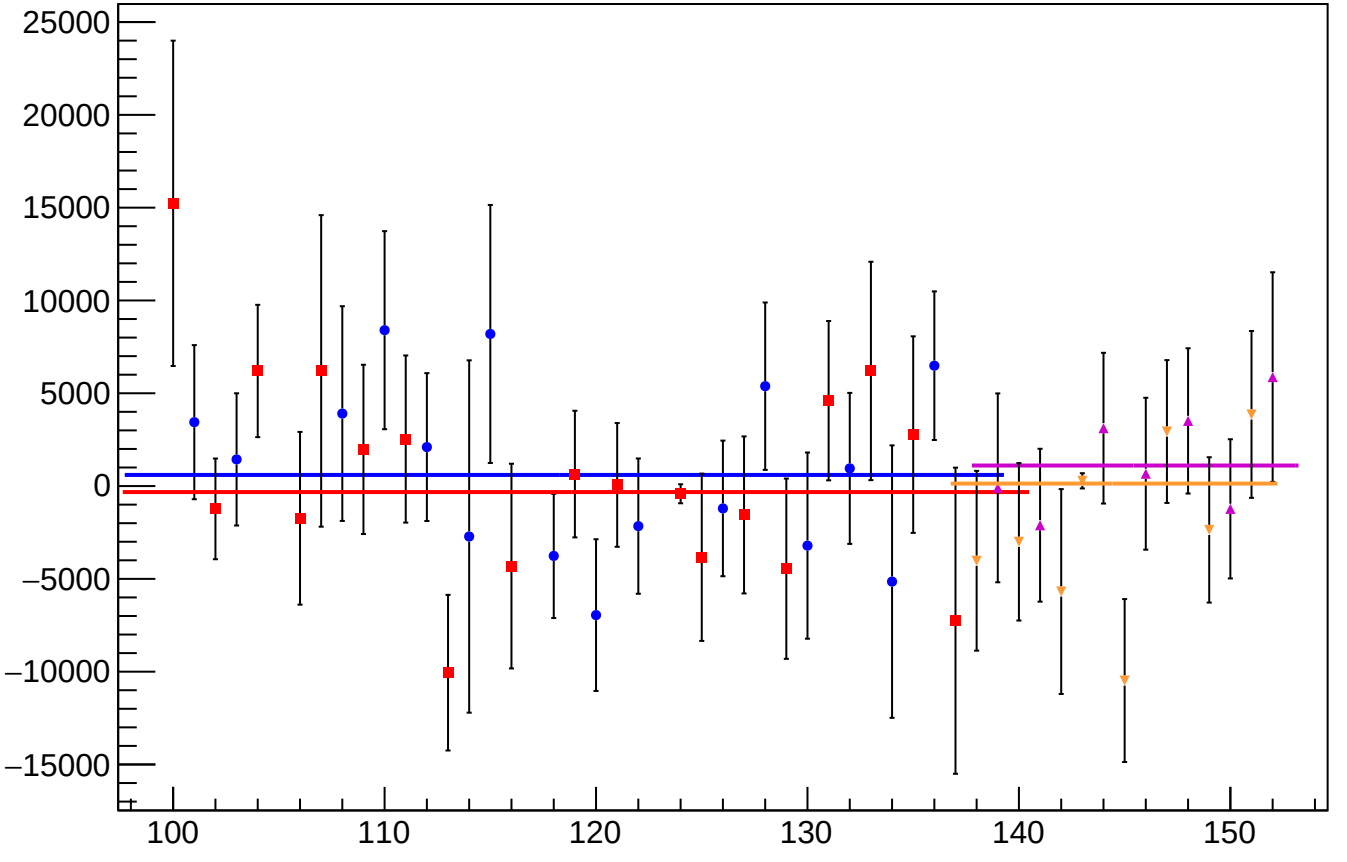
Left In: 1900.634+/-0.543 χ^2/NDF:12218.7/6

+ sign 1840.588+/-0.362 χ^2/NDF: 983363.7/23

All: 1825.077+/-0.252 χ^2/NDF: 1344732.1/49

- sign 1810.441+/-0.352 χ^2/NDF: 357799.5/25

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 134.464+/-397.173 χ^2/NDF:10.0/7

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

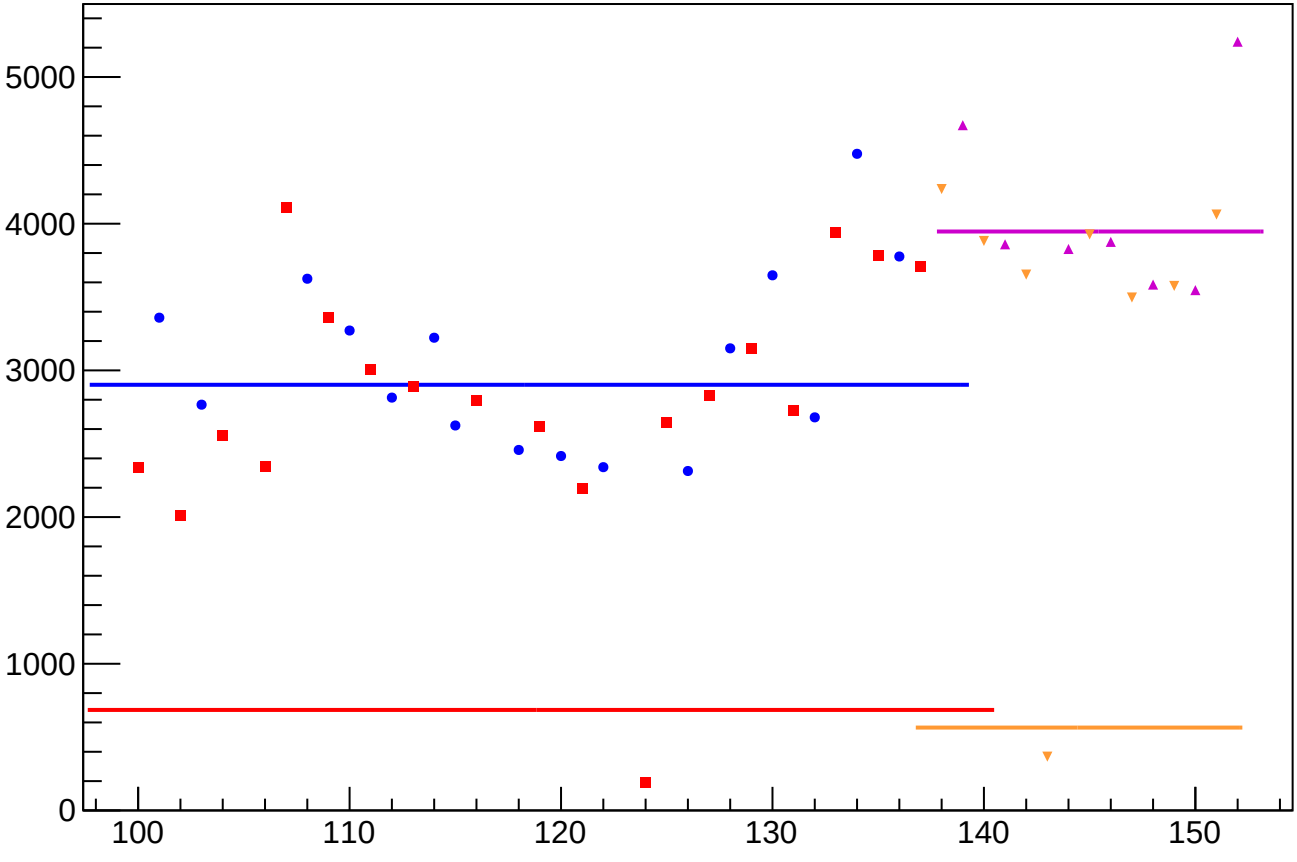
Left In: 1107.114+/-1610.114 χ^2/NDF:2.4/6

+ sign 188.168+/-373.573 χ^2/NDF: 25.0/23

All: 19.557+/-285.125 χ^2/NDF: 47.6/49

- sign -215.726+/-441.292 χ^2/NDF: 22.1/25

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 565.034+/-0.281 χ^2/NDF:8195274.7/7

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

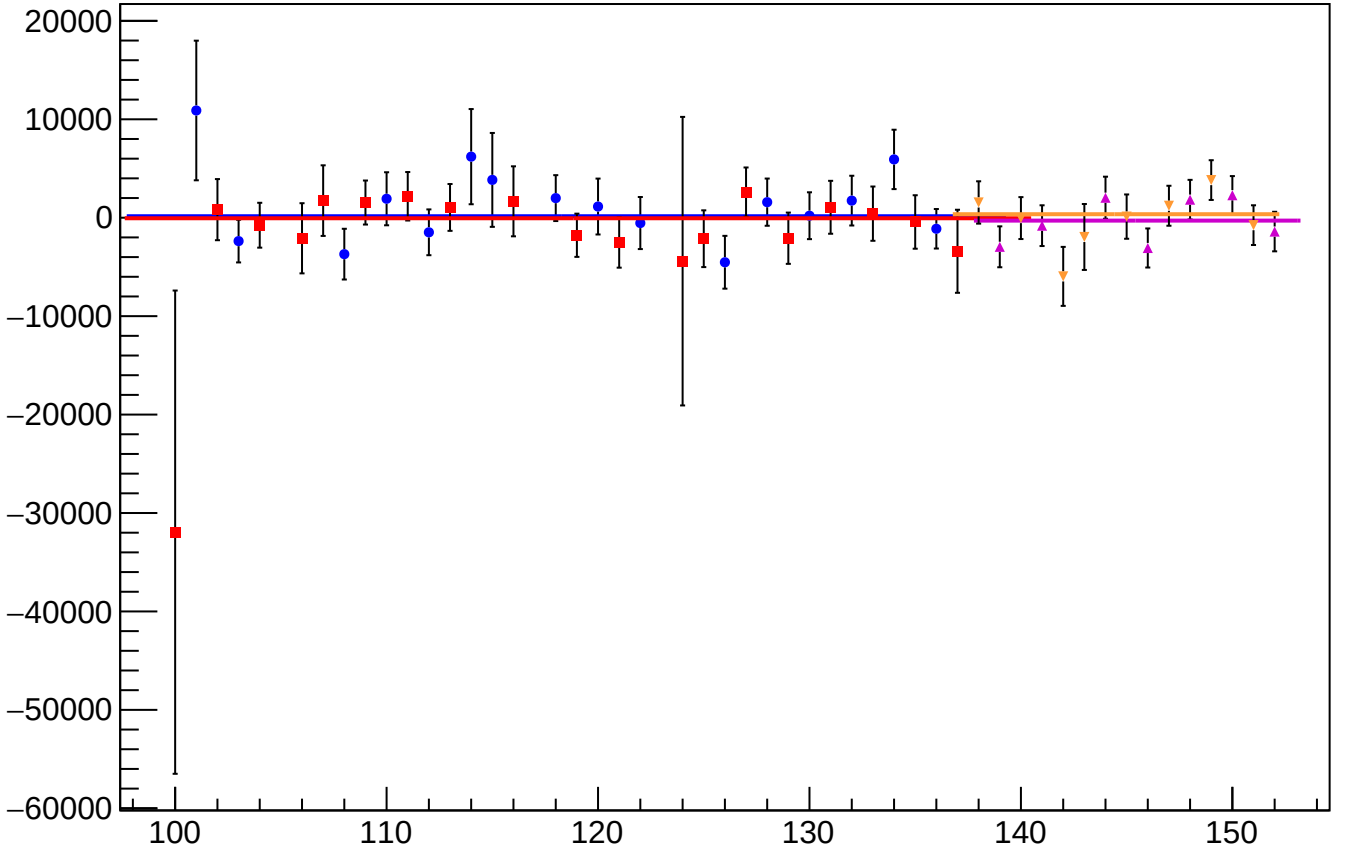
Left In: 3946.737+/-1.139 χ^2/NDF:188639.4/6

+ sign 834.493+/-0.264 χ^2/NDF: 16659647.2/23

All: 874.468+/-0.202 χ^2/NDF: 34598782.2/49

- sign 930.249+/-0.312 χ^2/NDF: 17884277.8/25

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 356.979+/-798.554 χ^2/NDF:8.7/7

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

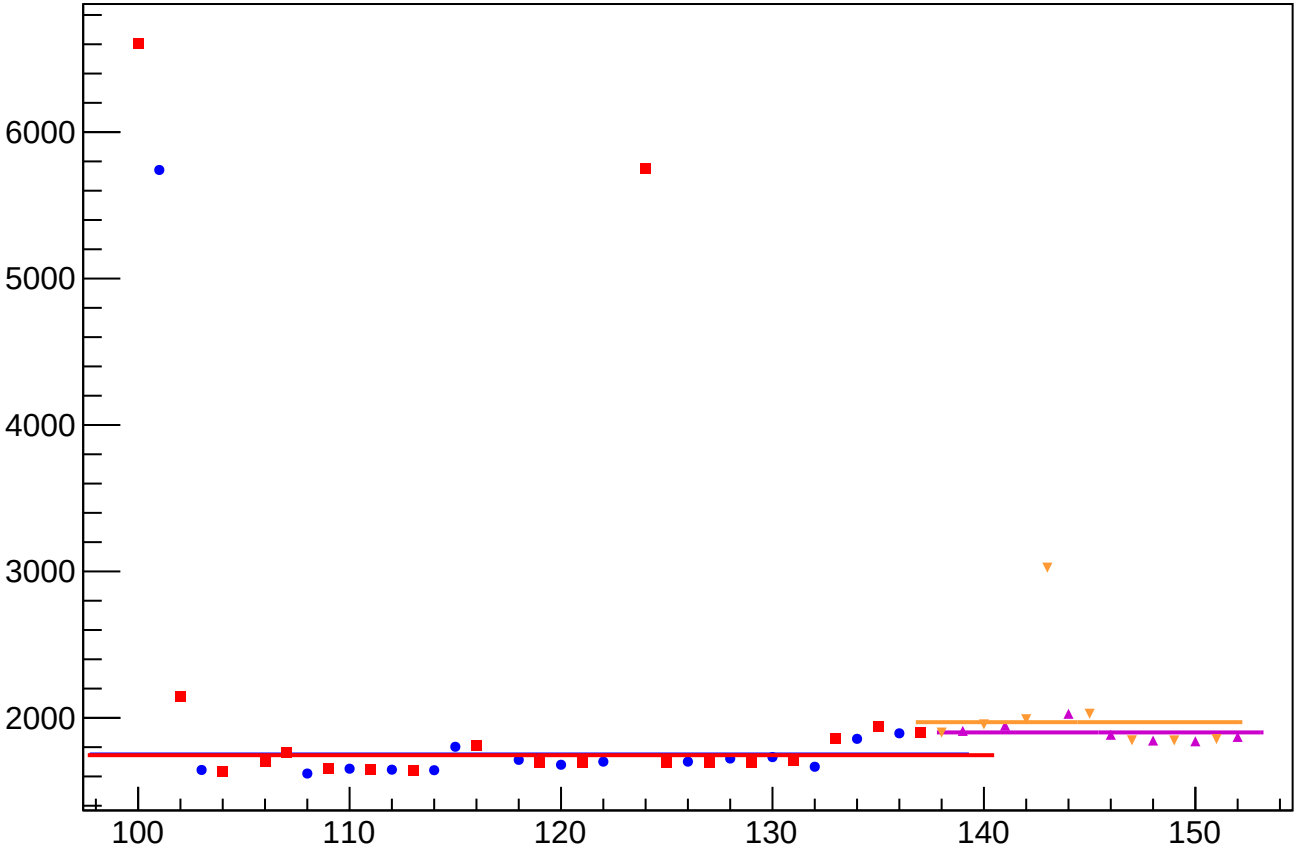
Left In: -292.710+/-767.507 χ^2/NDF:8.0/6

+ sign 235.212+/-511.932 χ^2/NDF: 26.4/23

All: 34.998+/-357.091 χ^2/NDF: 43.7/49

- sign -154.731+/-498.347 χ^2/NDF: 17.1/25

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1970.619+/-0.565 χ^2/NDF:223760.3/7

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

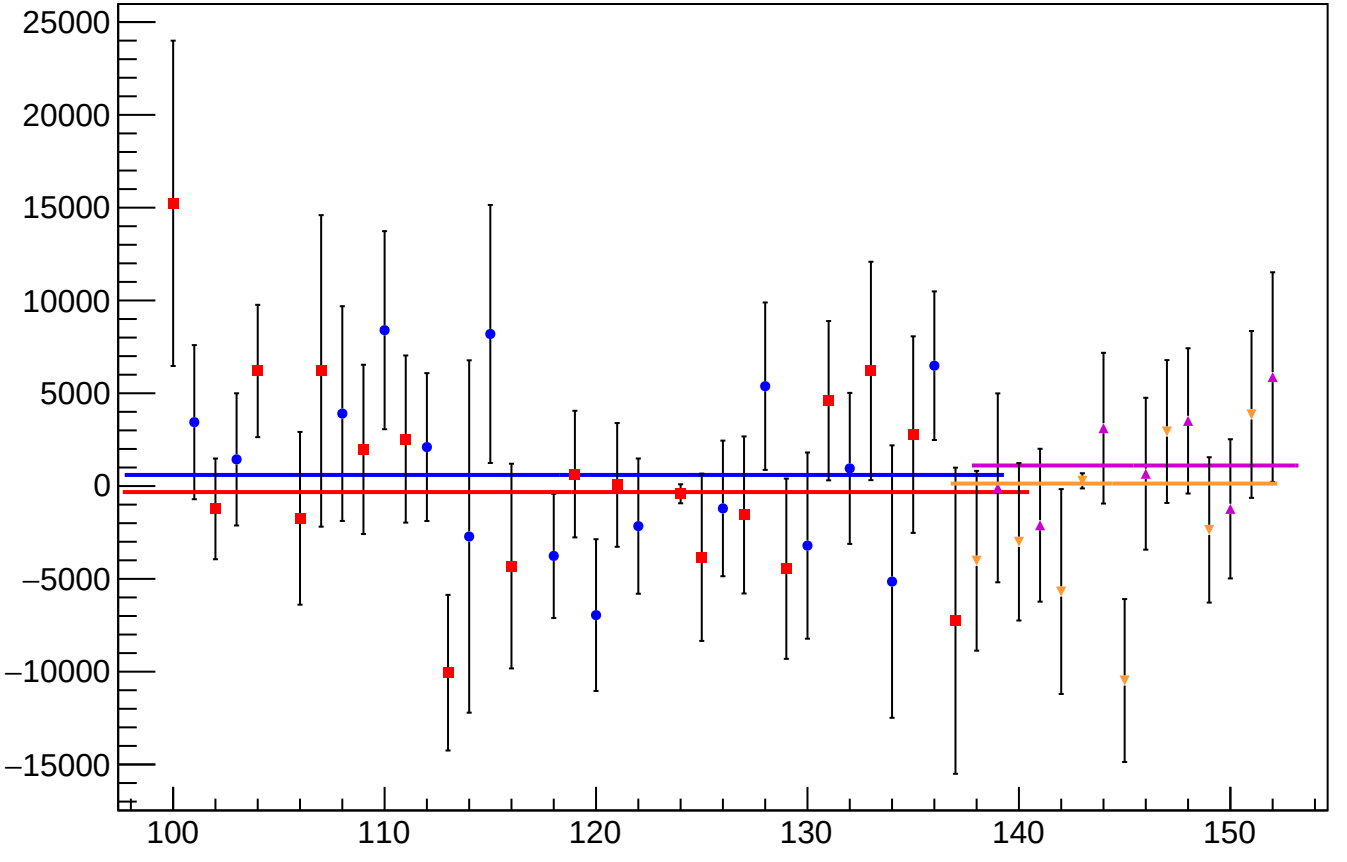
Left In: 1900.634+/-0.543 χ^2/NDF:12218.7/6

+ sign 1840.588+/-0.362 χ^2/NDF: 983363.7/23

All: 1825.077+/-0.252 χ^2/NDF: 1344732.1/49

- sign 1810.441+/-0.352 χ^2/NDF: 357799.5/25

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 134.464+/-397.173 χ^2/NDF:10.0/7

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

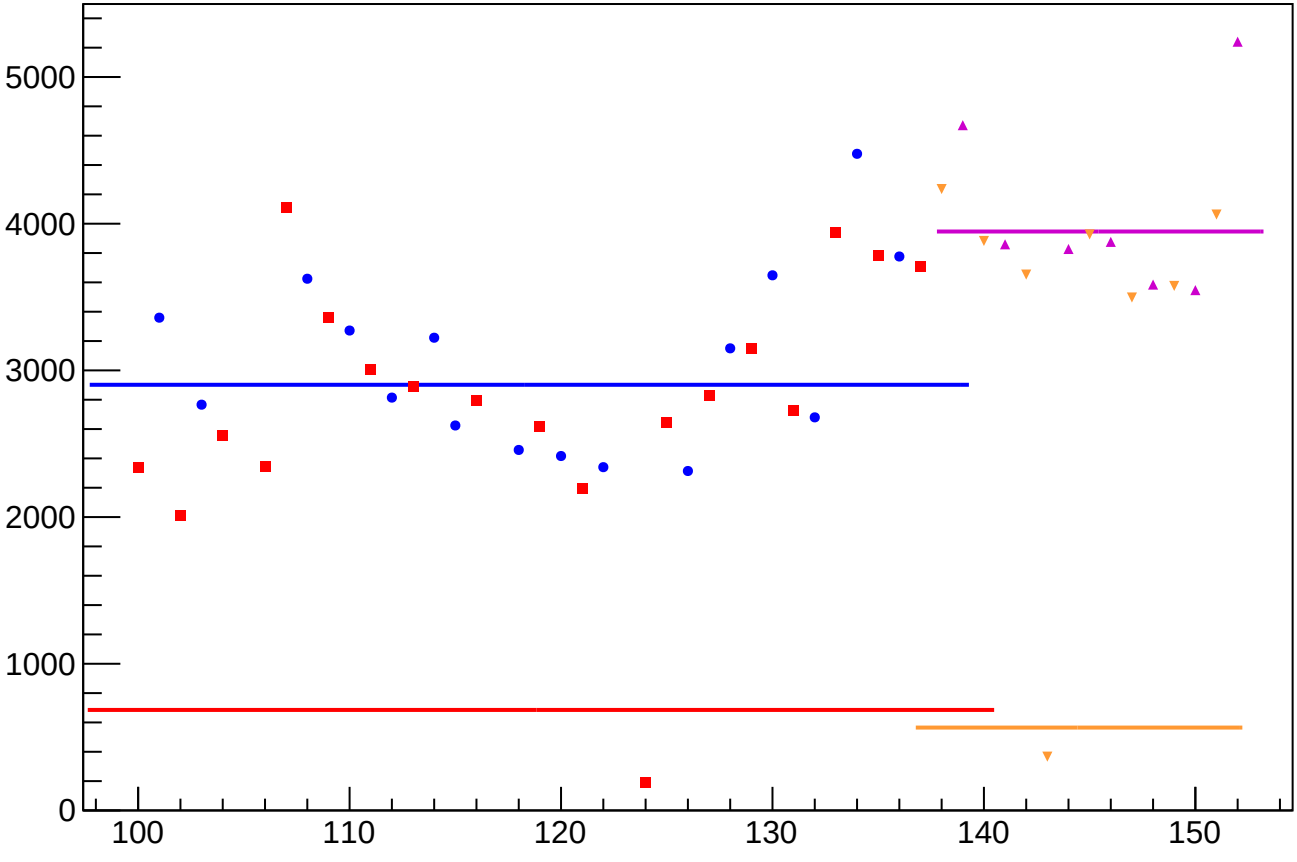
Left In: 1107.114+/-1610.114 χ^2/NDF:2.4/6

+ sign 188.168+/-373.573 χ^2/NDF: 25.0/23

All: 19.557+/-285.125 χ^2/NDF: 47.6/49

- sign -215.726+/-441.292 χ^2/NDF: 22.1/25

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 565.034+/-0.281 χ^2/NDF:8195274.7/7

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

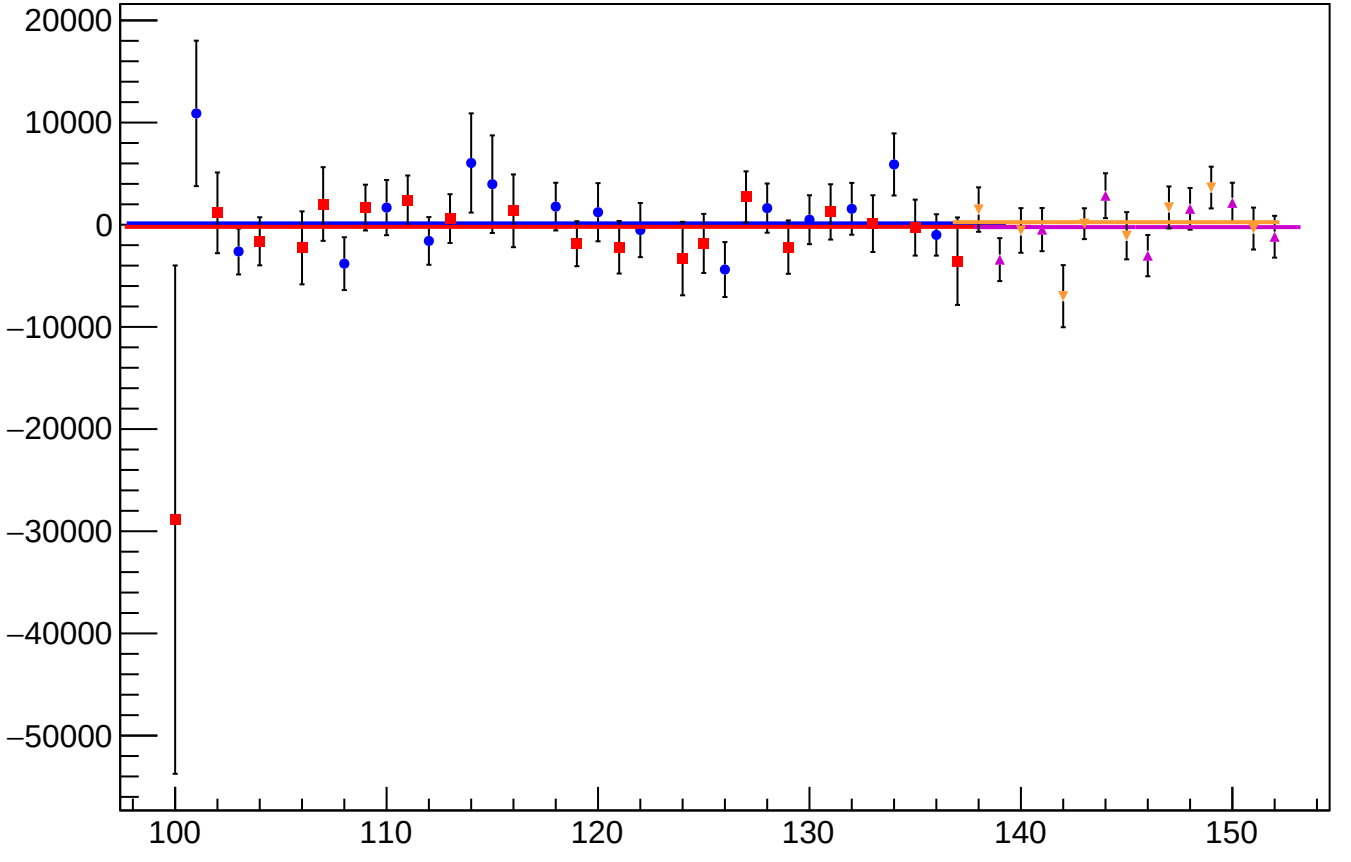
Left In: 3946.737+/-1.139 χ^2/NDF:188639.4/6

+ sign 834.493+/-0.264 χ^2/NDF: 16659647.2/23

All: 874.468+/-0.202 χ^2/NDF: 34598782.2/49

- sign 930.249+/-0.312 χ^2/NDF: 17884277.8/25

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 251.465+/-731.351 χ^2/NDF:9.8/7

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

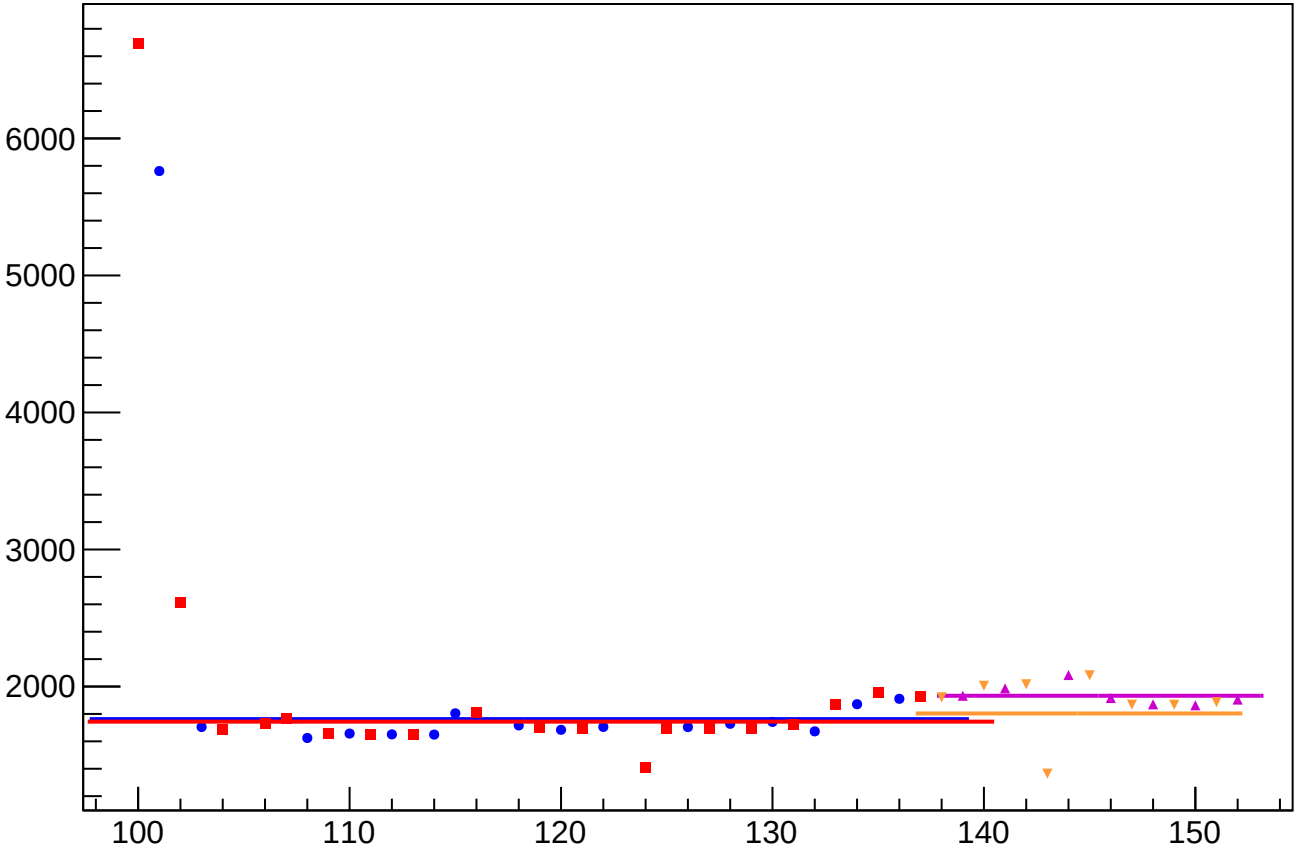
Left In: -233.389+/-780.564 χ^2/NDF:8.6/6

+ sign 187.653+/-494.678 χ^2/NDF: 27.1/23

All: -11.887+/-352.177 χ^2/NDF: 45.8/49

- sign -216.968+/-501.500 χ^2/NDF: 18.3/25

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1803.436+/-0.517 χ^2/NDF:238244.5/7

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

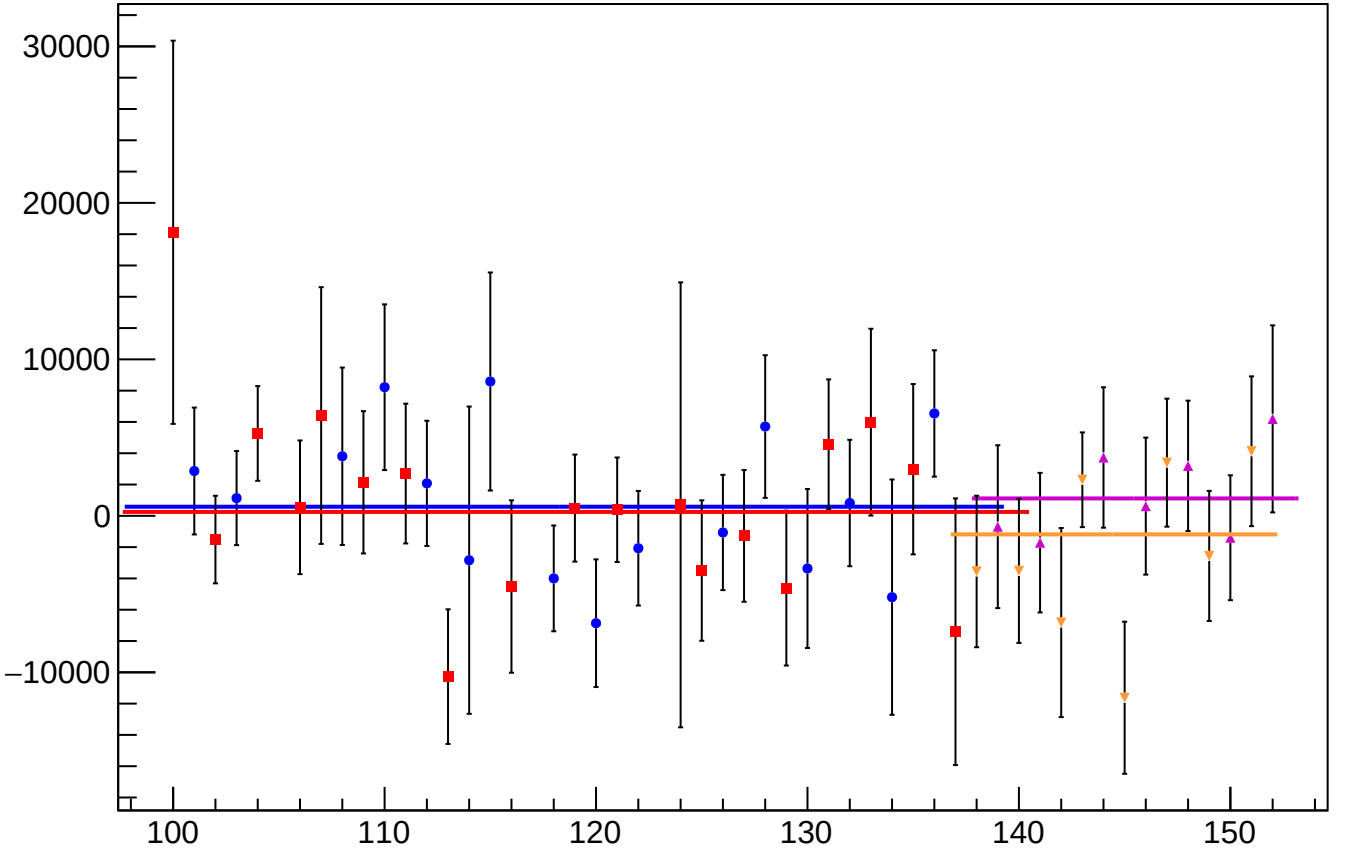
Left In: 1932.600+/-0.552 χ^2/NDF:15681.3/6

+ sign 1780.985+/-0.350 χ^2/NDF: 909415.3/23

All: 1800.963+/-0.249 χ^2/NDF: 1228390.1/49

- sign 1821.425+/-0.354 χ^2/NDF: 312372.0/25

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -1185.216+/-1524.940 χ^2/NDF:9.9/7

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

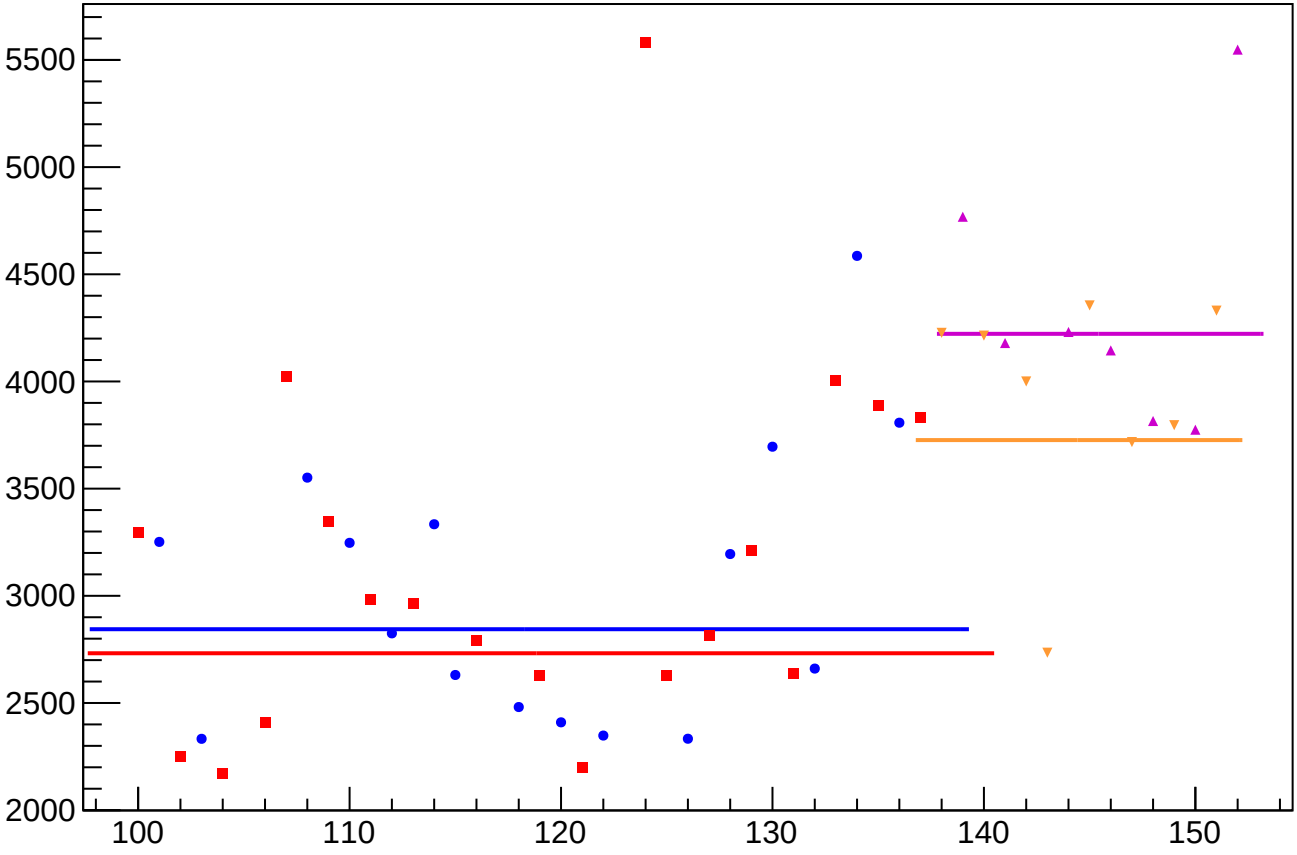
Left In: 1113.141+/-1721.396 χ^2/NDF:2.2/6

+ sign -9.243+/-882.156 χ^2/NDF: 25.7/23

All: 233.875+/-622.361 χ^2/NDF: 46.2/49

- sign 474.796+/-878.161 χ^2/NDF: 20.4/25

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3726.499+/-1.078 χ^2/NDF:328486.0/7

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

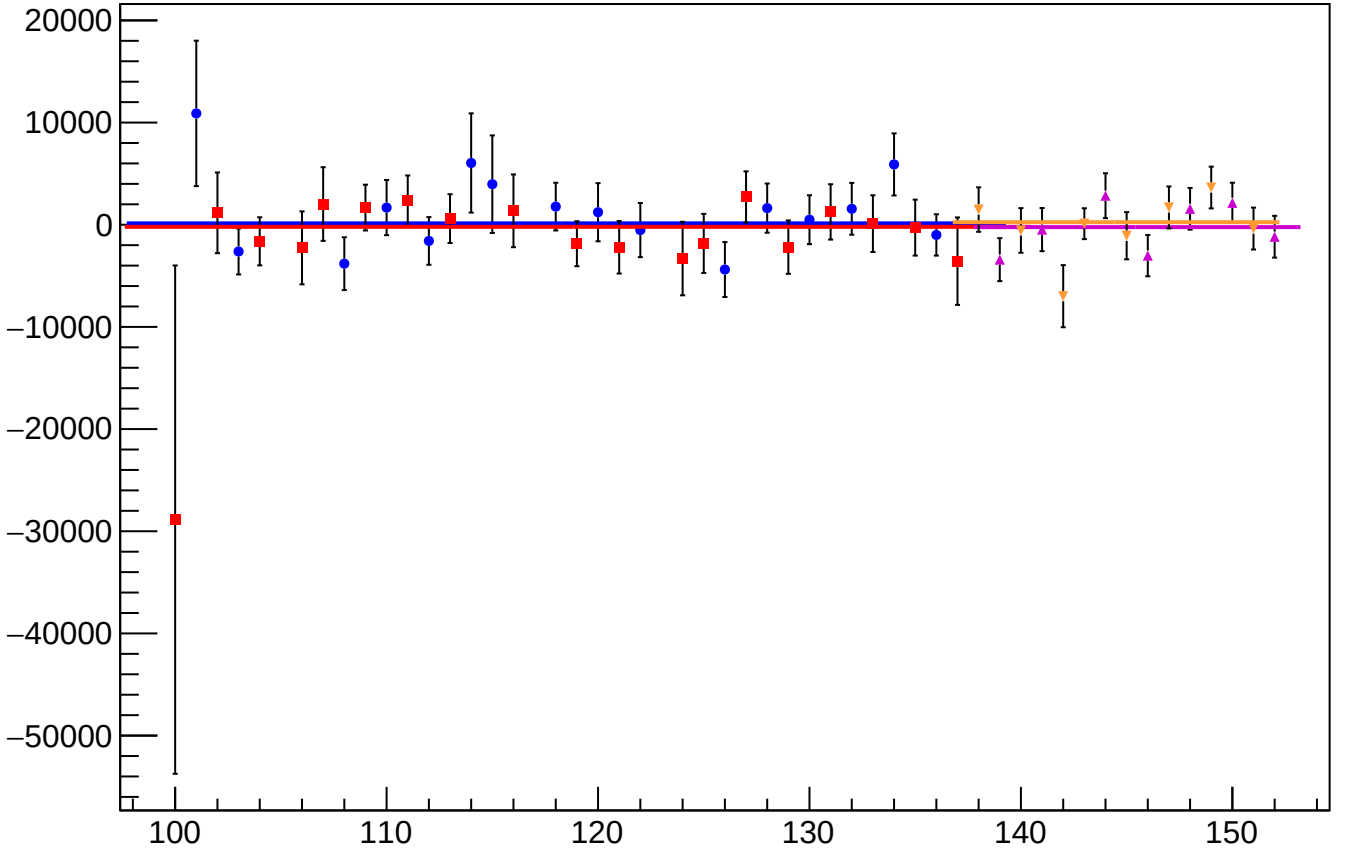
Left In: 4222.230+/-1.217 χ^2/NDF:165463.0/6

+ sign 3139.426+/-0.624 χ^2/NDF: 1316026.4/23

All: 3129.575+/-0.440 χ^2/NDF: 3202115.3/49

- sign 3119.812+/-0.621 χ^2/NDF: 1885592.3/25

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 251.459+/-731.351 χ^2/NDF:9.8/7

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

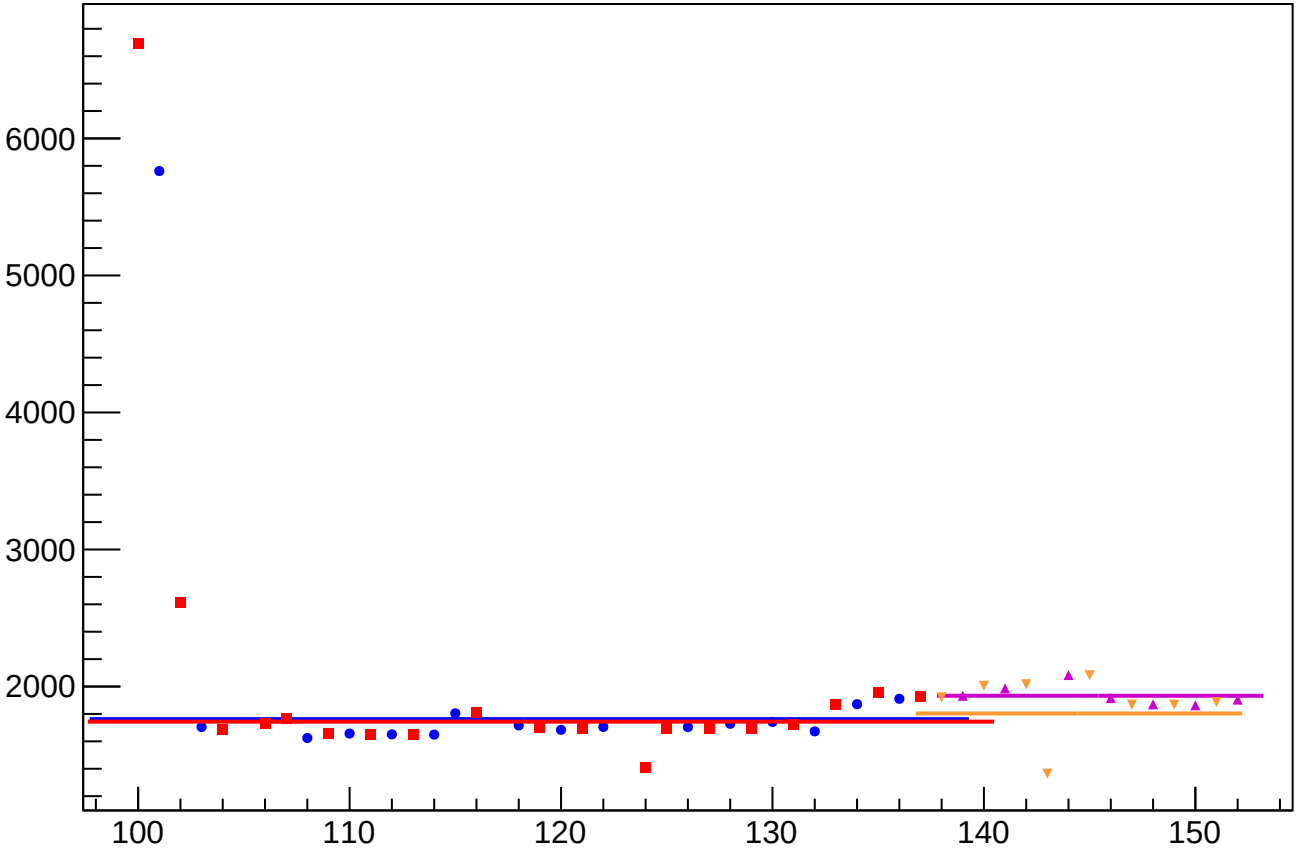
Left In: -233.385+/-780.564 χ^2/NDF:8.6/6

+ sign 187.649+/-494.678 χ^2/NDF: 27.1/23

All: -11.887+/-352.177 χ^2/NDF: 45.8/49

- sign -216.965+/-501.500 χ^2/NDF: 18.3/25

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1803.437+/-0.517 χ^2/NDF:238245.4/7

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

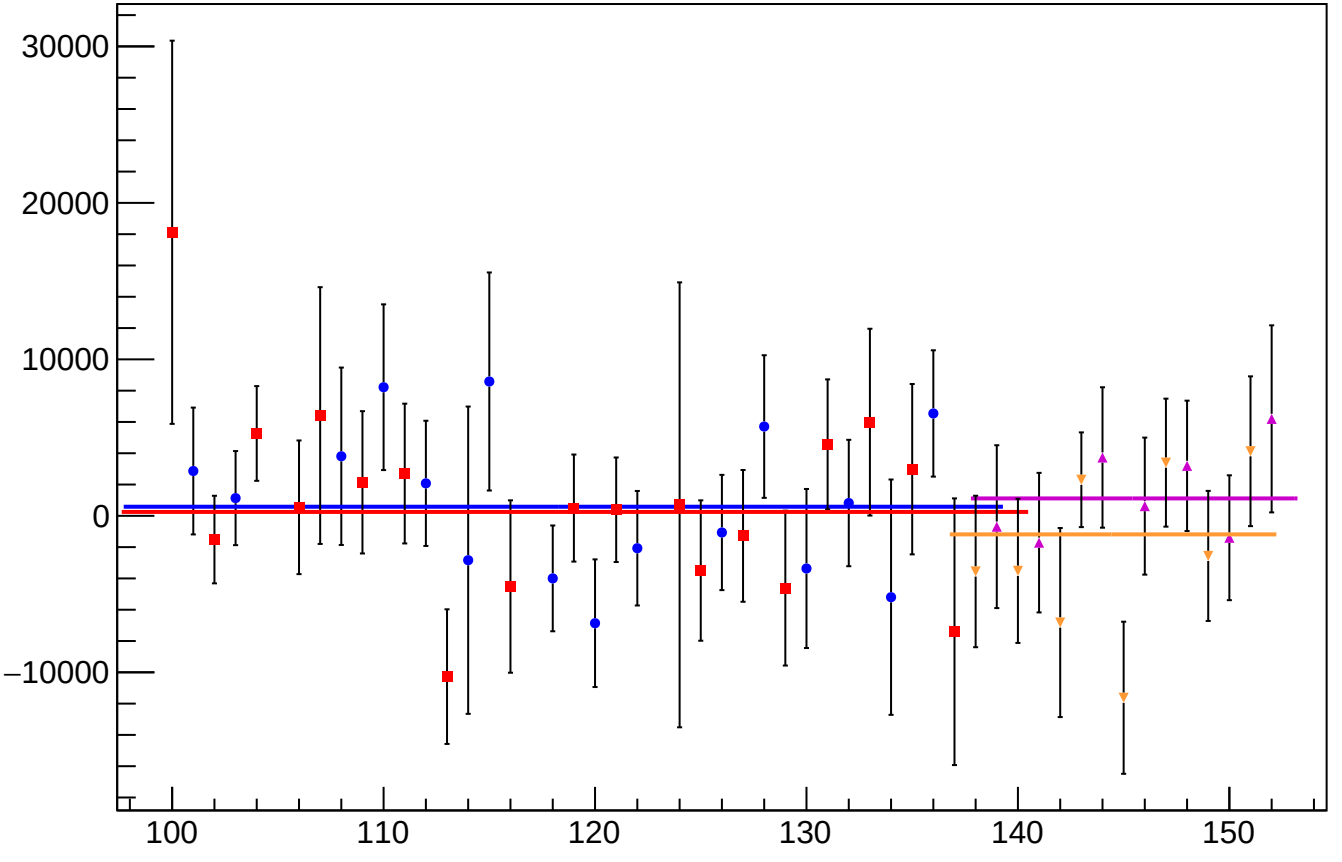
Left In: 1932.601+/-0.552 χ^2/NDF:15681.5/6

+ sign 1780.986+/-0.350 χ^2/NDF: 909416.2/23

All: 1800.963+/-0.249 χ^2/NDF: 1228391.8/49

- sign 1821.425+/-0.354 χ^2/NDF: 312372.8/25

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -1185.213+/-1524.942 χ^2/NDF:9.9/7

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

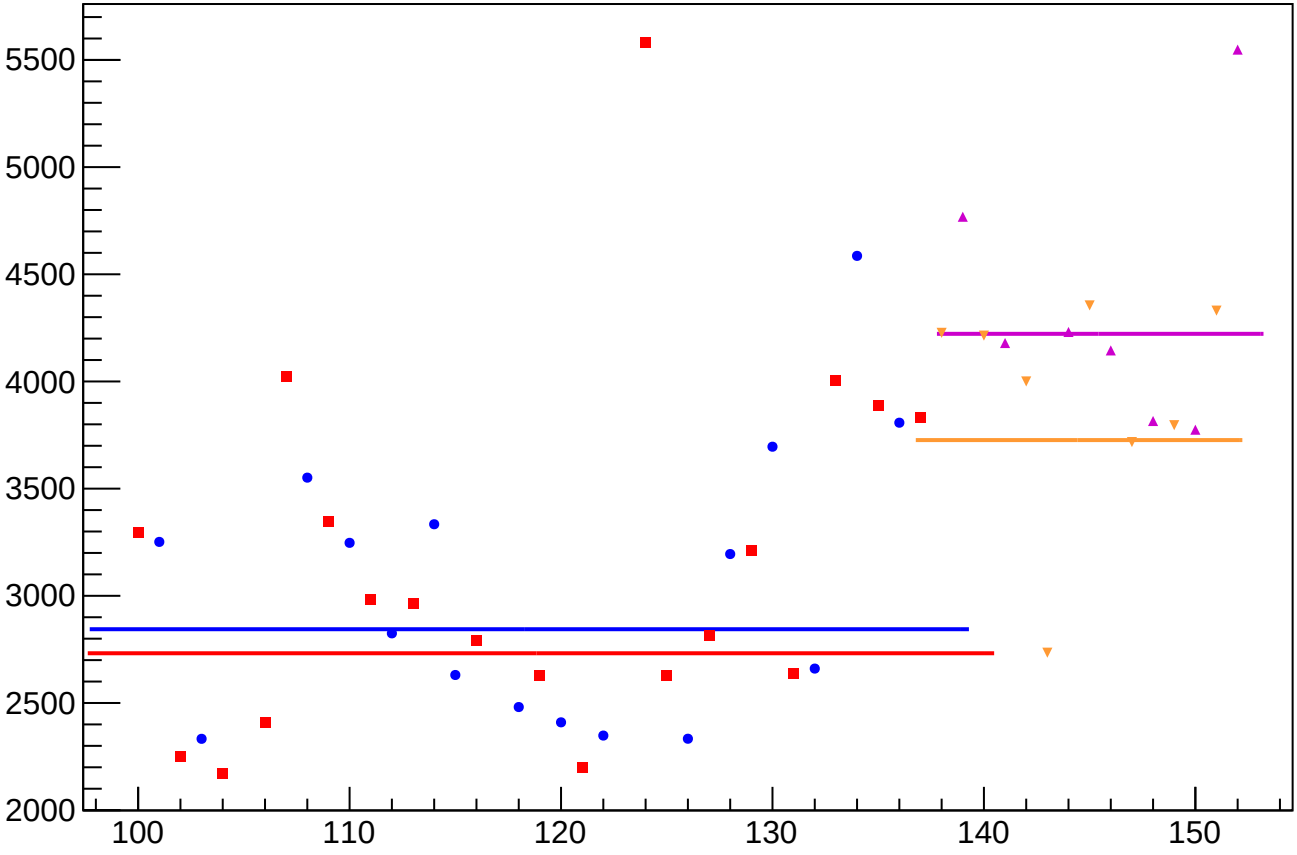
Left In: 1113.142+/-1721.398 χ^2/NDF:2.2/6

+ sign -9.242+/-882.155 χ^2/NDF: 25.7/23

All: 233.876+/-622.360 χ^2/NDF: 46.2/49

- sign 474.796+/-878.160 χ^2/NDF: 20.4/25

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3726.502+/-1.078 χ^2/NDF:328489.4/7

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

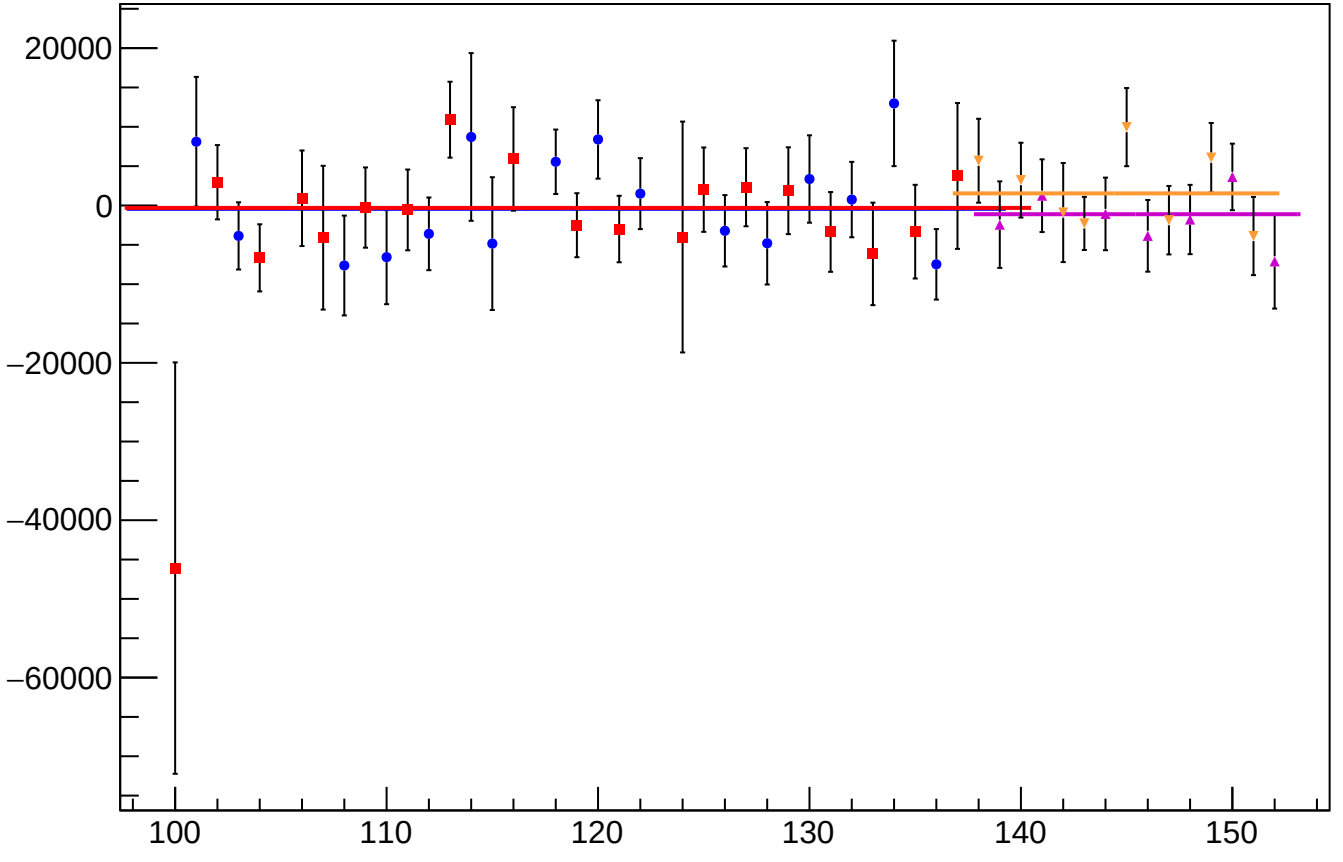
Left In: 4222.235+/-1.217 χ^2/NDF:165465.0/6

+ sign 3139.421+/-0.624 χ^2/NDF: 1316045.0/23

All: 3129.569+/-0.440 χ^2/NDF: 3202148.2/49

- sign 3119.807+/-0.621 χ^2/NDF: 1885606.7/25

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 1538.778+/-1627.390 χ^2/NDF:7.9/7

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

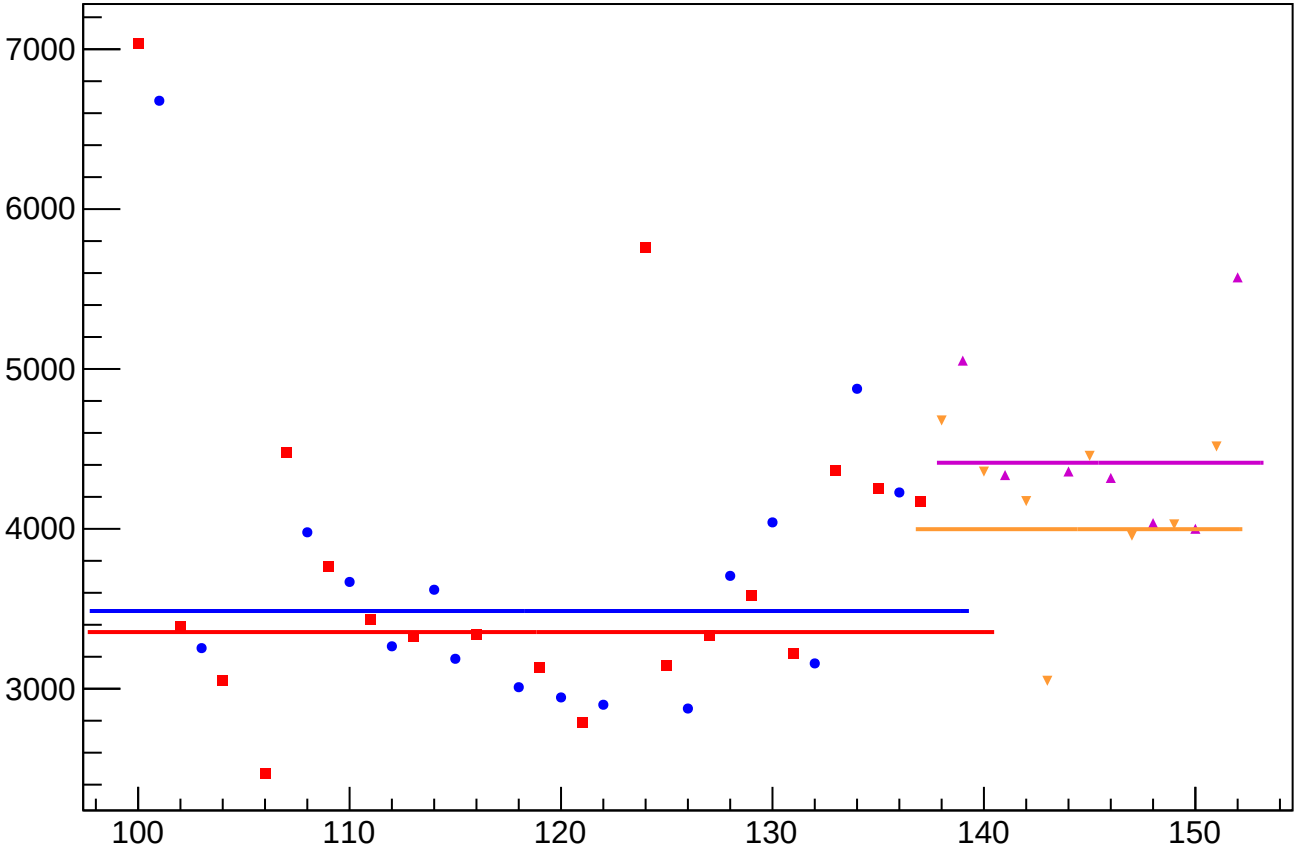
Left In: -1108.781+/-1794.854 χ^2/NDF:3.0/6

+ sign 360.569+/-1028.554 χ^2/NDF: 26.7/23

All: -102.934+/-731.249 χ^2/NDF: 45.4/49

- sign -576.649+/-1039.823 χ^2/NDF: 18.4/25

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 3997.941+/-1.151 χ^2/NDF:242347.5/7

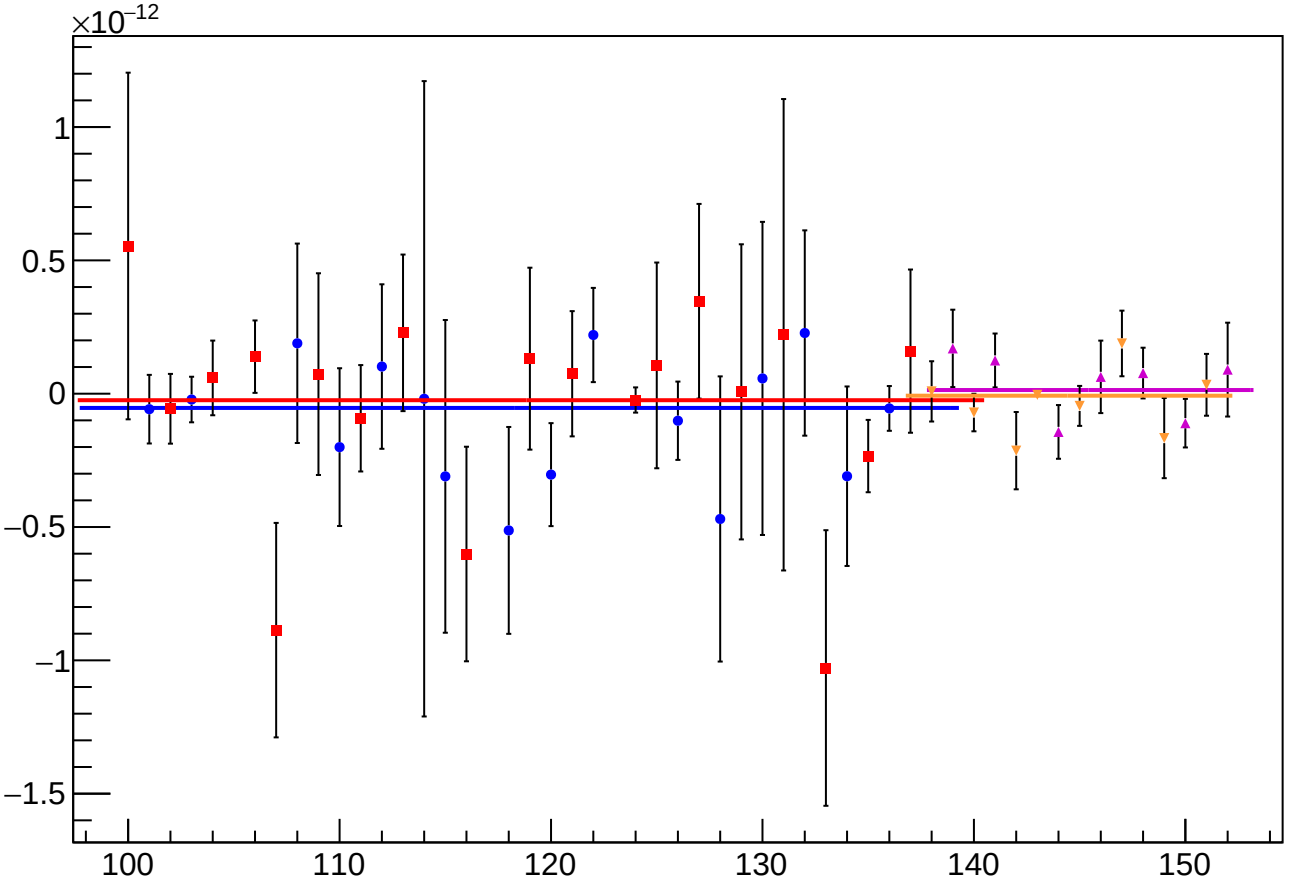
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4413.483+/-1.269 χ^2/NDF:137170.9/6

+ sign 3690.599+/-0.727 χ^2/NDF: 956919.4/23

All: 3696.929+/-0.515 χ^2/NDF: 1937622.7/49

- sign 3703.278+/-0.728 χ^2/NDF: 980551.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/7

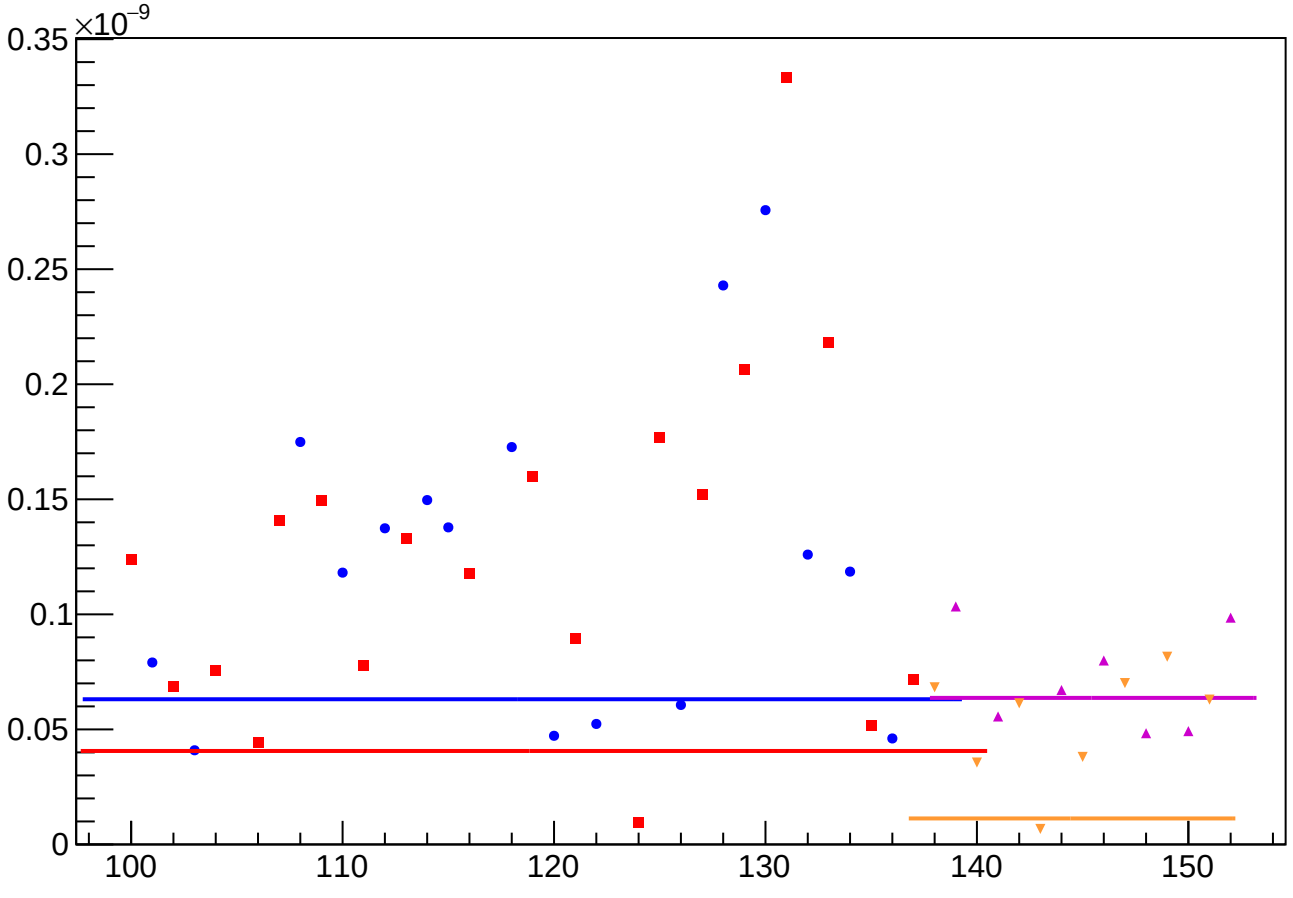
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 16.5/23

All: -0.000+/-0.000 χ^2/NDF: 42.8/49

- sign -0.000+/-0.000 χ^2/NDF: 26.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2780337.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

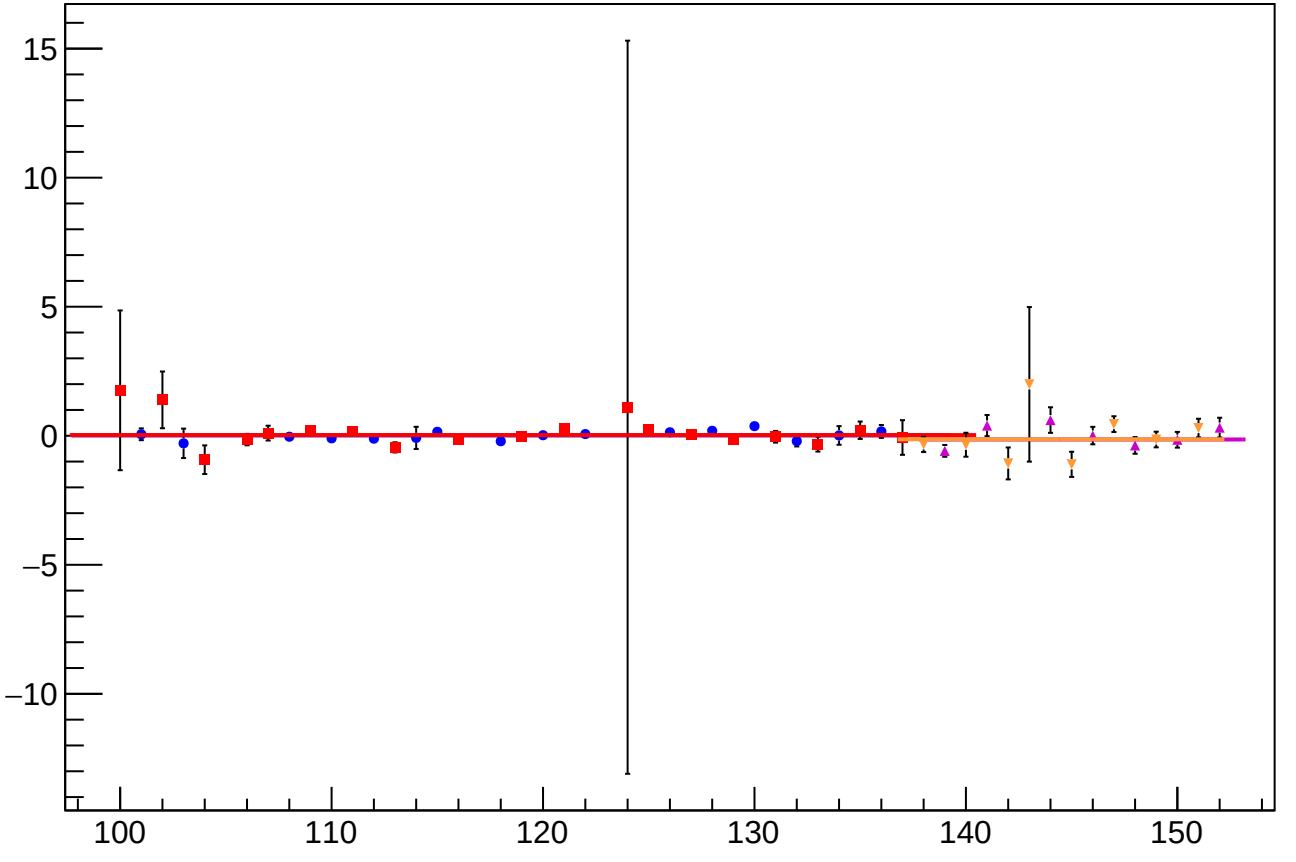
Left In: 0.000+/-0.000 χ^2/NDF:374688.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 6736179.8/23

All: 0.000+/-0.000 χ^2/NDF: 13458131.0/49

- sign 0.000+/-0.000 χ^2/NDF: 3895242.7/25

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.138+/-0.138 χ^2/NDF:12.6/7

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

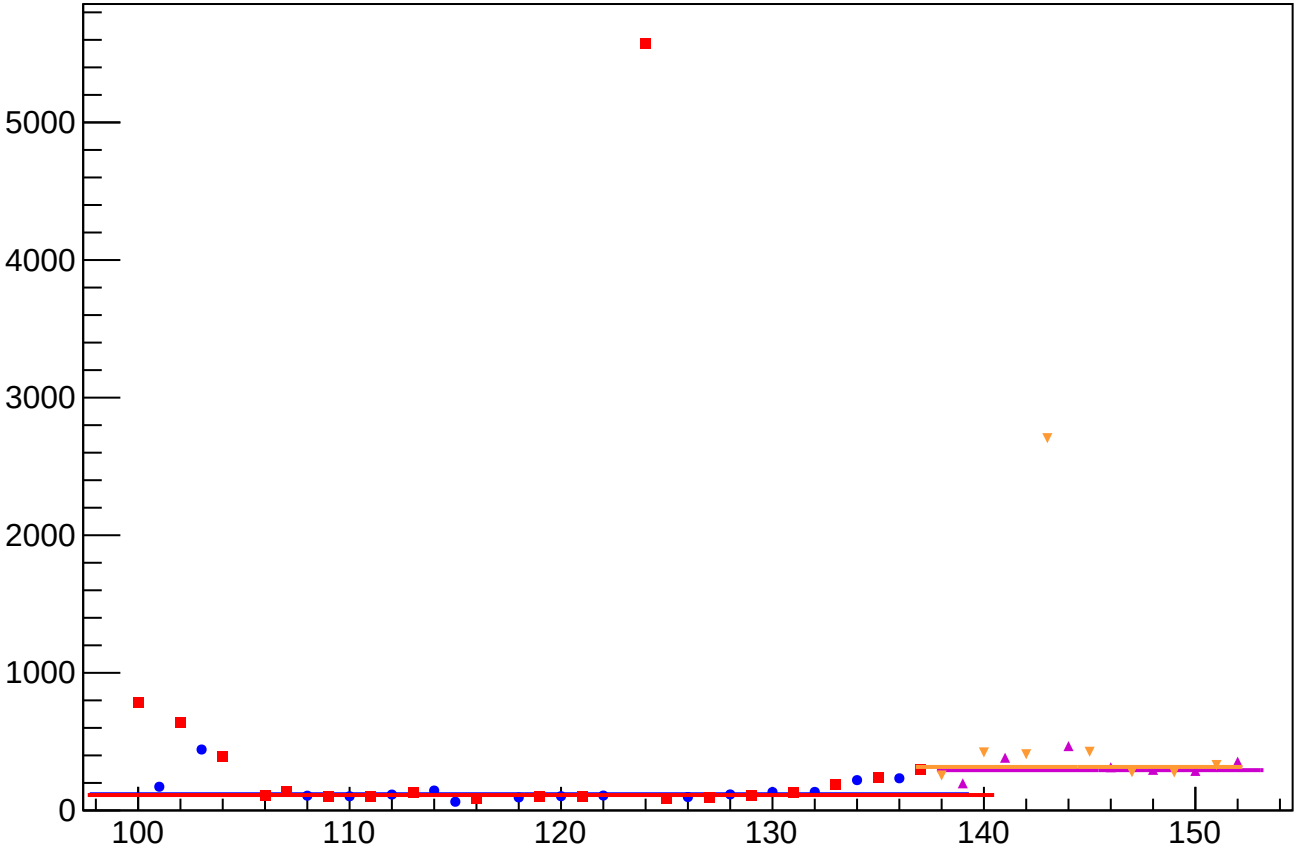
Left In: -0.144+/-0.124 χ^2/NDF:9.9/6

+ sign -0.001+/-0.045 χ^2/NDF: 25.5/23

All: 0.002+/-0.031 χ^2/NDF: 59.1/49

- sign 0.004+/-0.044 χ^2/NDF: 33.6/25

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 316.204+/-0.098 χ^2/NDF:1681902.2/7

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

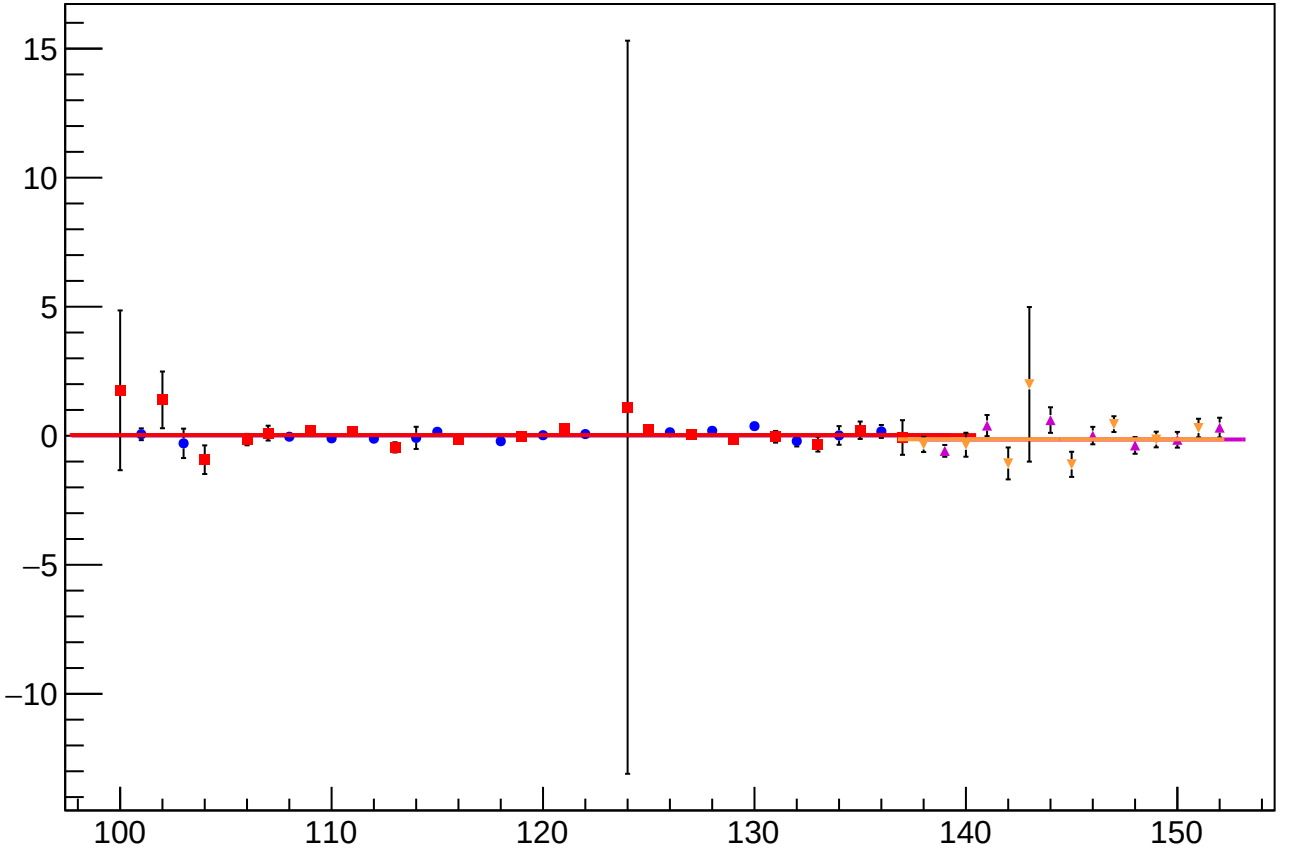
Left In: 292.911+/-0.088 χ^2/NDF:756283.6/6

+ sign 138.942+/-0.032 χ^2/NDF: 7090525.4/23

All: 136.751+/-0.022 χ^2/NDF: 13761993.6/49

- sign 134.697+/-0.031 χ^2/NDF: 6662389.1/25

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: -0.138+/-0.138 χ^2/NDF:12.6/7

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

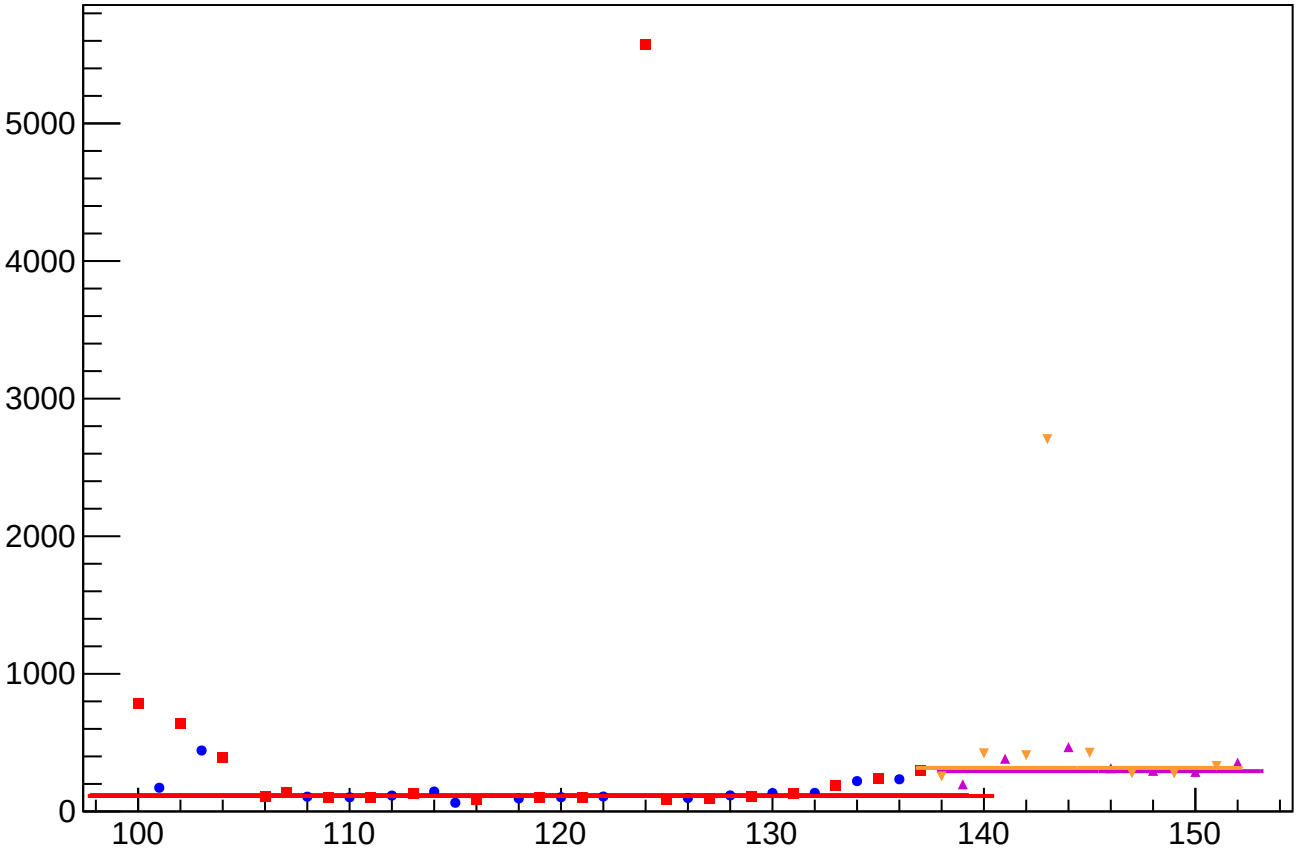
Left In: -0.144+/-0.124 χ^2/NDF:9.9/6

+ sign -0.001+/-0.045 χ^2/NDF: 25.5/23

All: 0.002+/-0.031 χ^2/NDF: 59.1/49

- sign 0.004+/-0.044 χ^2/NDF: 33.6/25

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: 316.204+/-0.098 χ^2/NDF:1681902.2/7

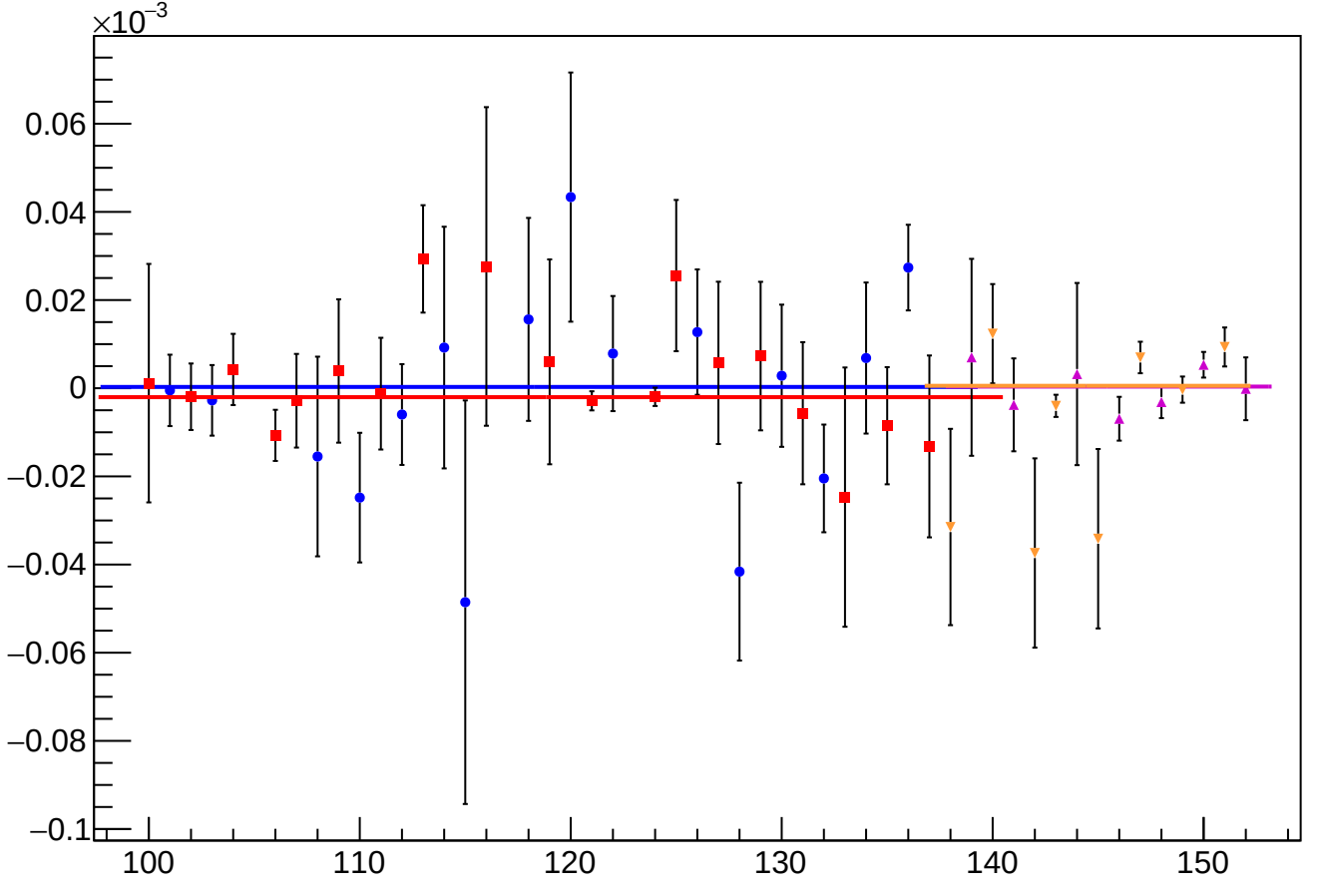
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 292.911+/-0.088 χ^2/NDF:756283.6/6

+ sign 138.942+/-0.032 χ^2/NDF: 7090525.4/23

All: 136.751+/-0.022 χ^2/NDF: 13761993.6/49

- sign 134.697+/-0.031 χ^2/NDF: 6662389.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/7

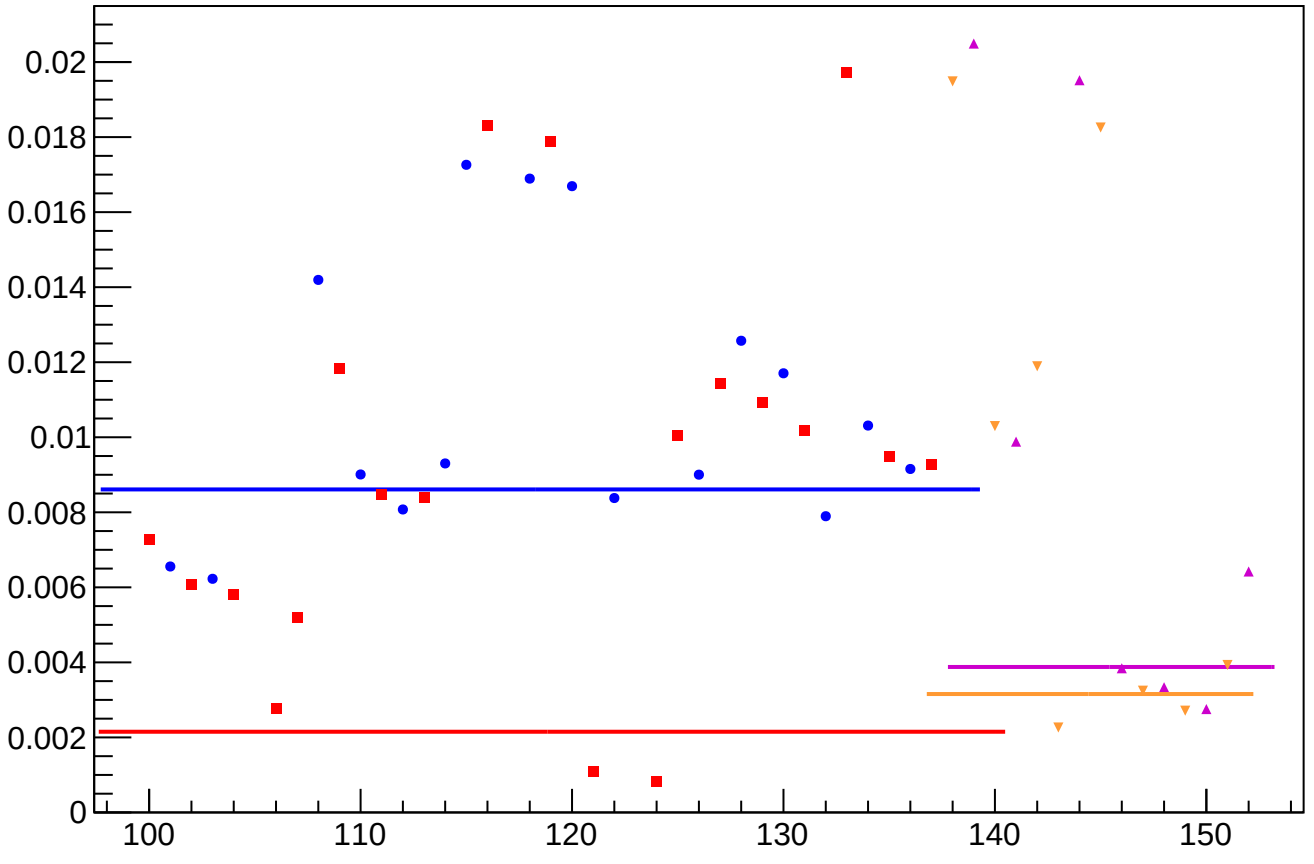
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/23

All: -0.000+/-0.000 χ^2/NDF: 66.9/49

- sign -0.000+/-0.000 χ^2/NDF: 22.1/25



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:3670269.0/7

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

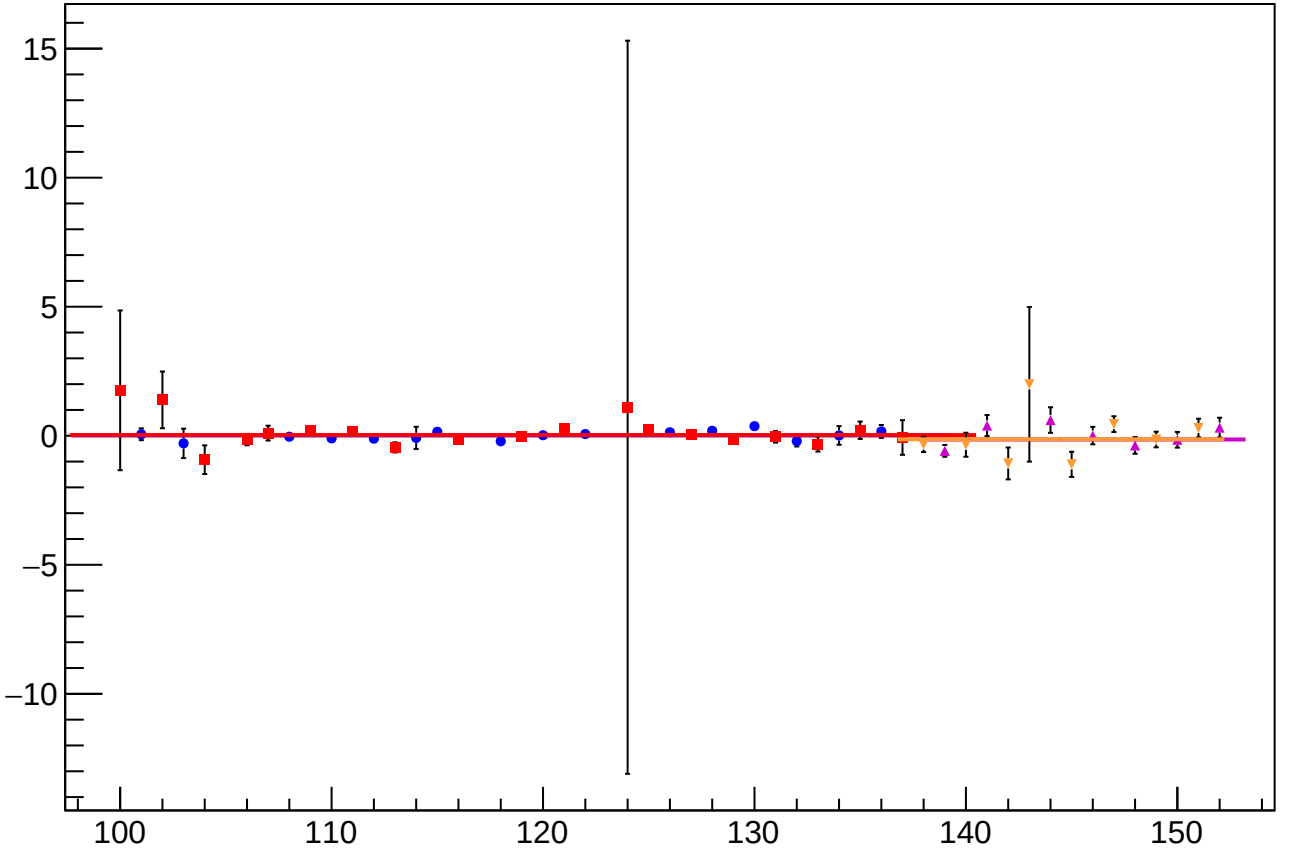
Left In: 0.004+/-0.000 χ^2/NDF:3498077.7/6

+ sign 0.004+/-0.000 χ^2/NDF: 9096077.9/23

All: 0.003+/-0.000 χ^2/NDF: 23982244.0/49

- sign 0.003+/-0.000 χ^2/NDF: 13660617.7/25

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: -0.138+/-0.138 χ^2/NDF:12.6/7

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

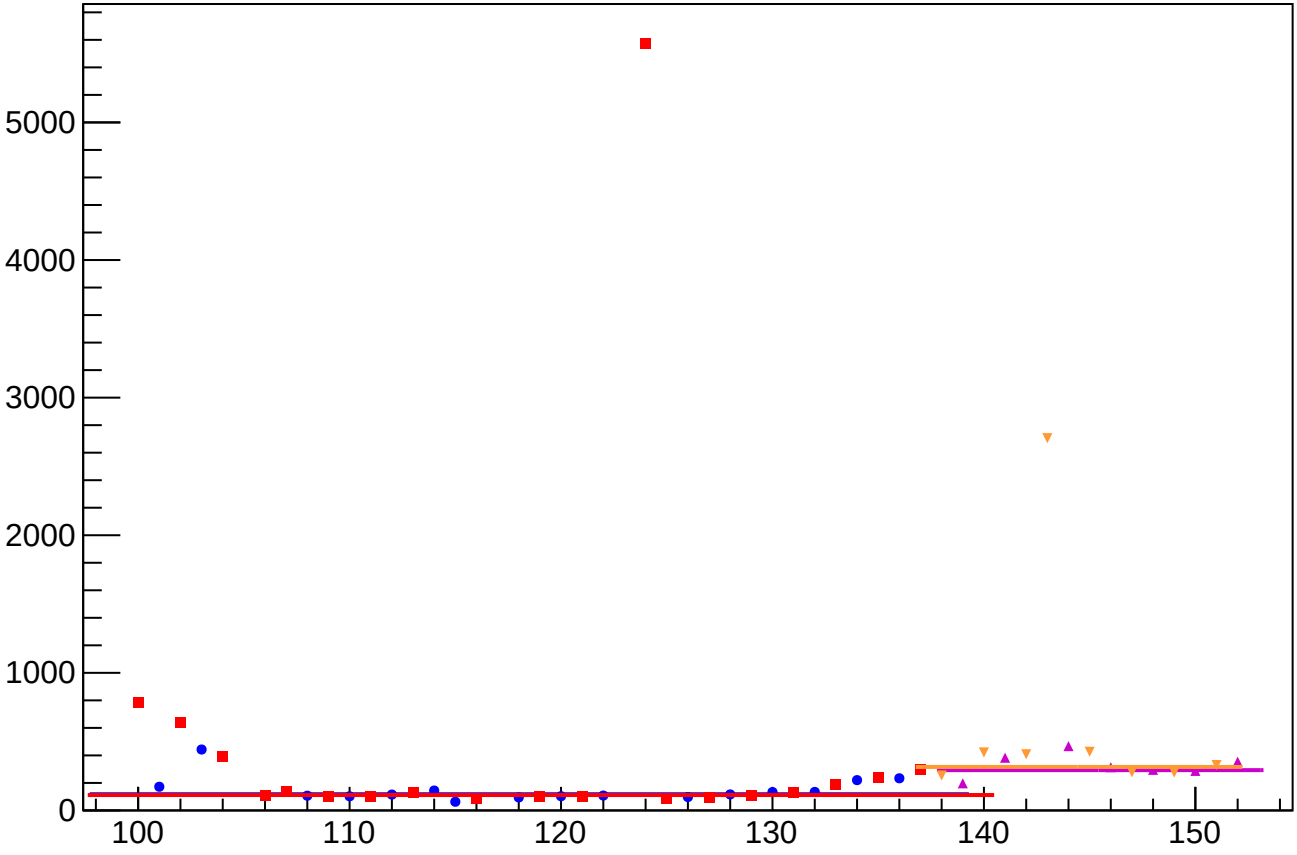
Left In: -0.144+/-0.124 χ^2/NDF:9.9/6

+ sign -0.001+/-0.045 χ^2/NDF: 25.5/23

All: 0.002+/-0.031 χ^2/NDF: 59.1/49

- sign 0.004+/-0.044 χ^2/NDF: 33.6/25

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: 316.206+/-0.098 χ^2/NDF:1681923.9/7

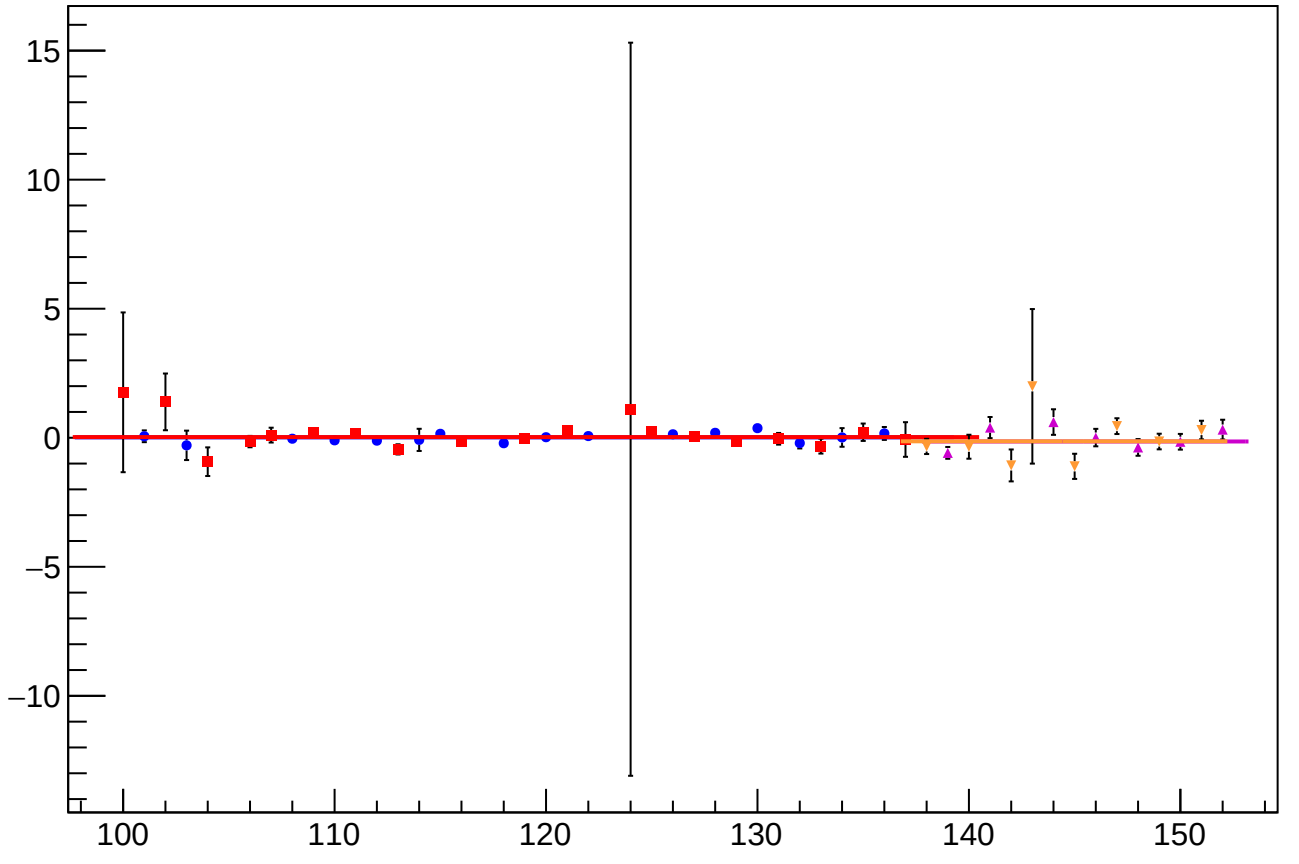
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 292.915+/-0.088 χ^2/NDF:756269.5/6

+ sign 138.942+/-0.032 χ^2/NDF: 7090543.0/23

All: 136.752+/-0.022 χ^2/NDF: 13761909.5/49

- sign 134.699+/-0.031 χ^2/NDF: 6662295.5/25



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.138+/-0.138 χ^2/NDF:12.6/7

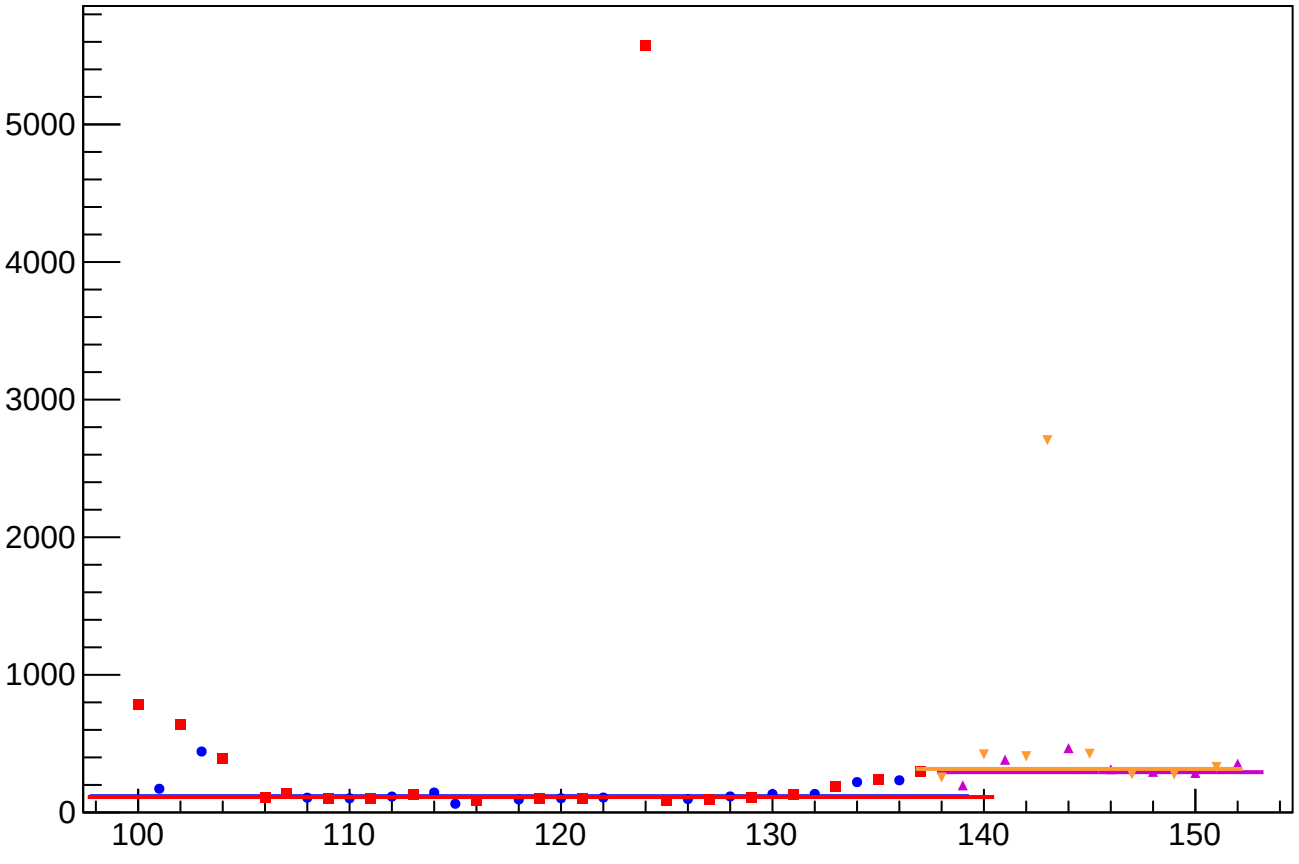
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.144+/-0.124 χ^2/NDF:9.9/6

+ sign -0.001+/-0.045 χ^2/NDF: 25.5/23

All: 0.002+/-0.031 χ^2/NDF: 59.1/49

- sign 0.004+/-0.044 χ^2/NDF: 33.6/25



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 316.206+/-0.098 χ^2/NDF:1681923.9/7

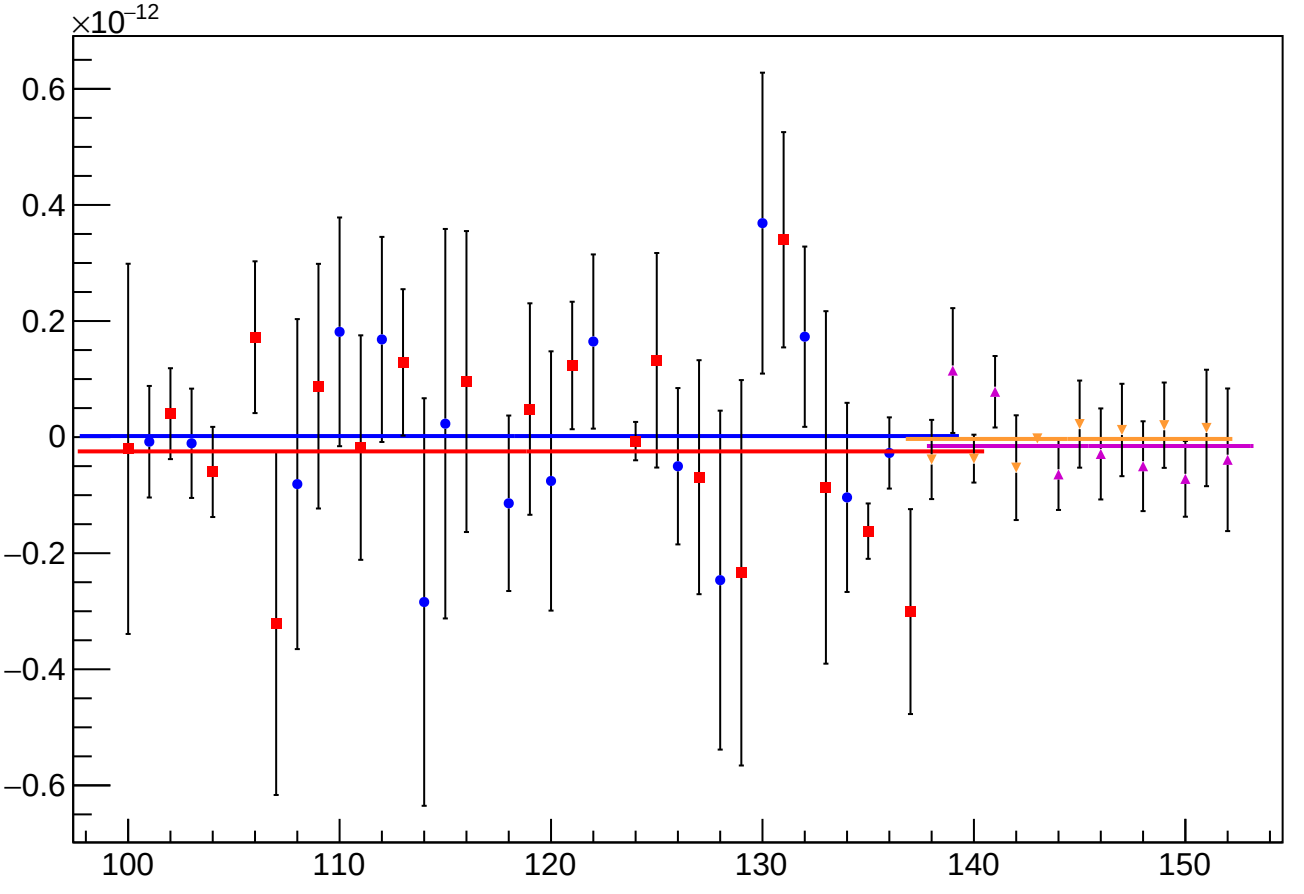
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 292.915+/-0.088 χ^2/NDF:756269.5/6

+ sign 138.942+/-0.032 χ^2/NDF: 7090543.0/23

All: 136.752+/-0.022 χ^2/NDF: 13761909.5/49

- sign 134.699+/-0.031 χ^2/NDF: 6662295.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/7

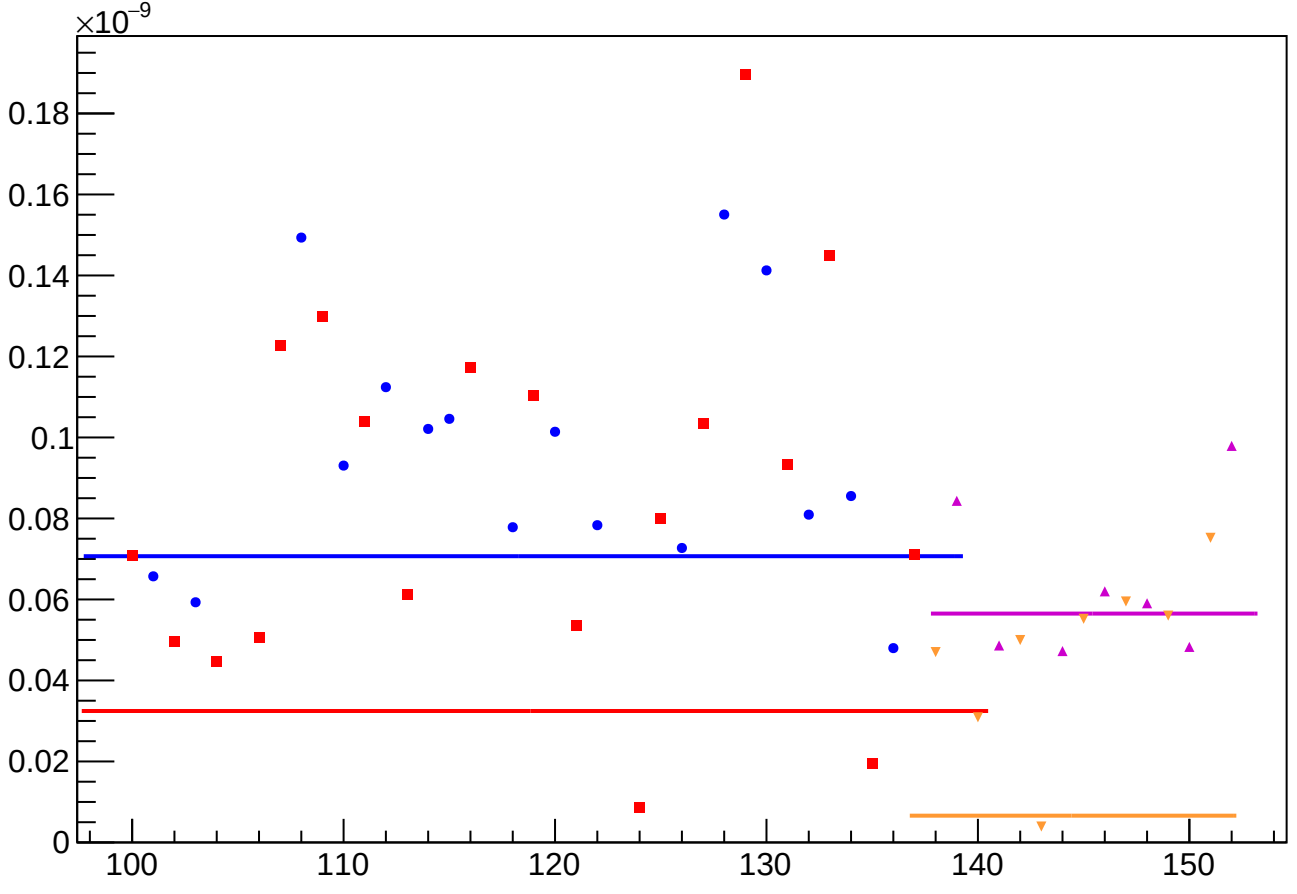
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 10.7/23

All: -0.000+/-0.000 χ^2/NDF: 41.4/49

- sign -0.000+/-0.000 χ^2/NDF: 29.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5745323.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

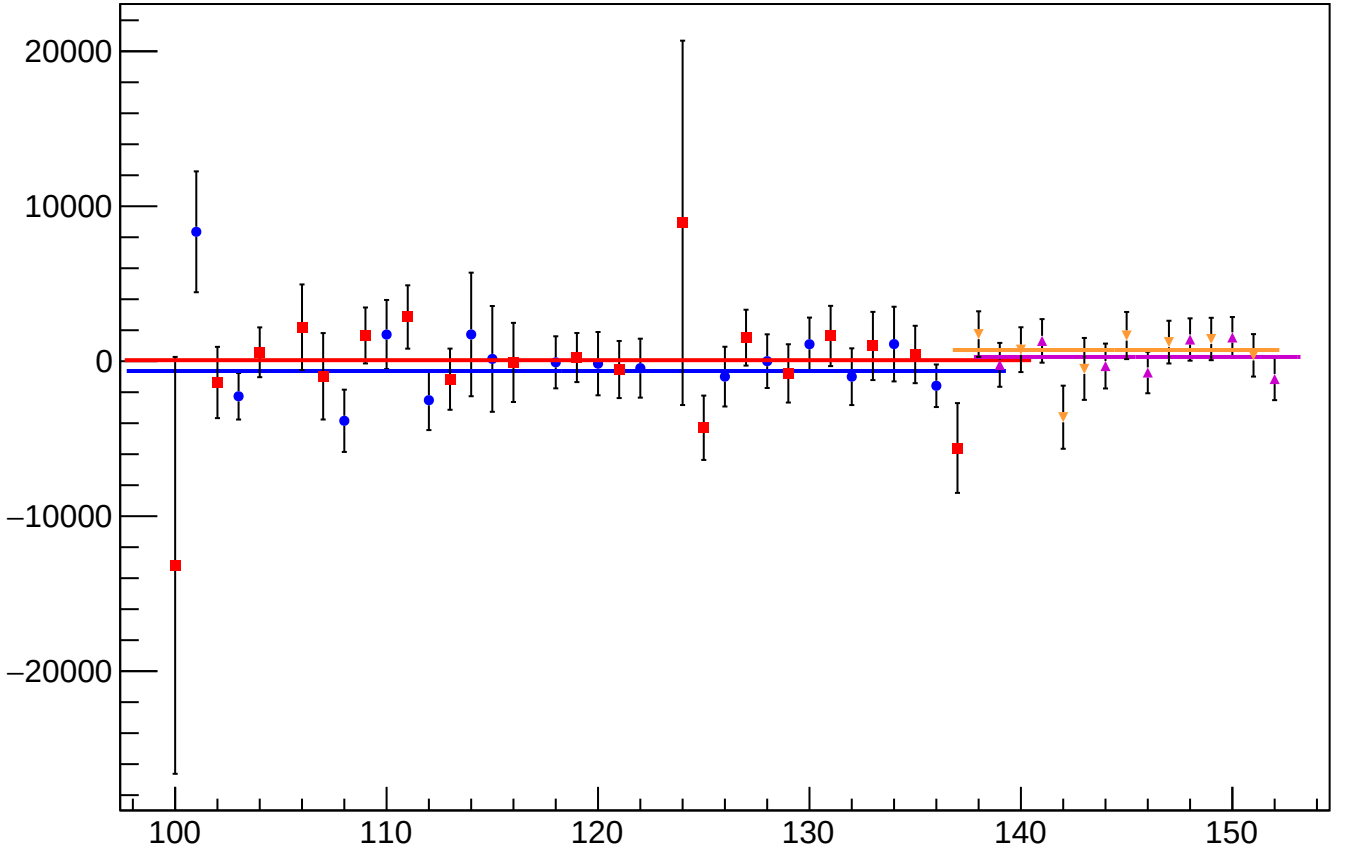
Left In: 0.000+/-0.000 χ^2/NDF:483289.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 13456891.1/23

All: 0.000+/-0.000 χ^2/NDF: 25629456.2/49

- sign 0.000+/-0.000 χ^2/NDF: 5843786.5/25

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.837+/-537.862 χ^2/NDF:6.2/7

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

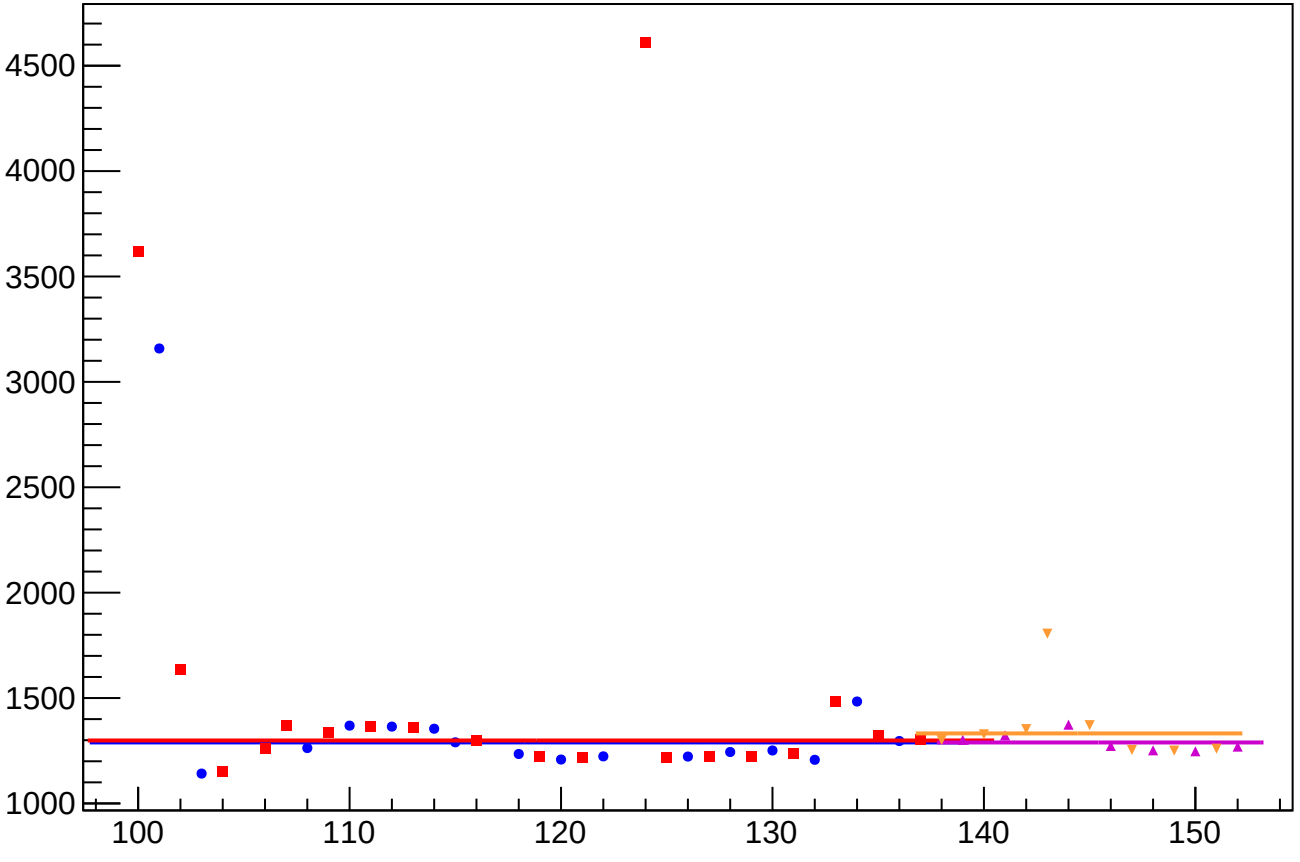
Left In: 274.938+/-520.586 χ^2/NDF:4.1/6

+ sign -18.389+/-361.682 χ^2/NDF: 23.6/23

All: 74.544+/-253.693 χ^2/NDF: 43.8/49

- sign 164.549+/-355.938 χ^2/NDF: 20.0/25

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

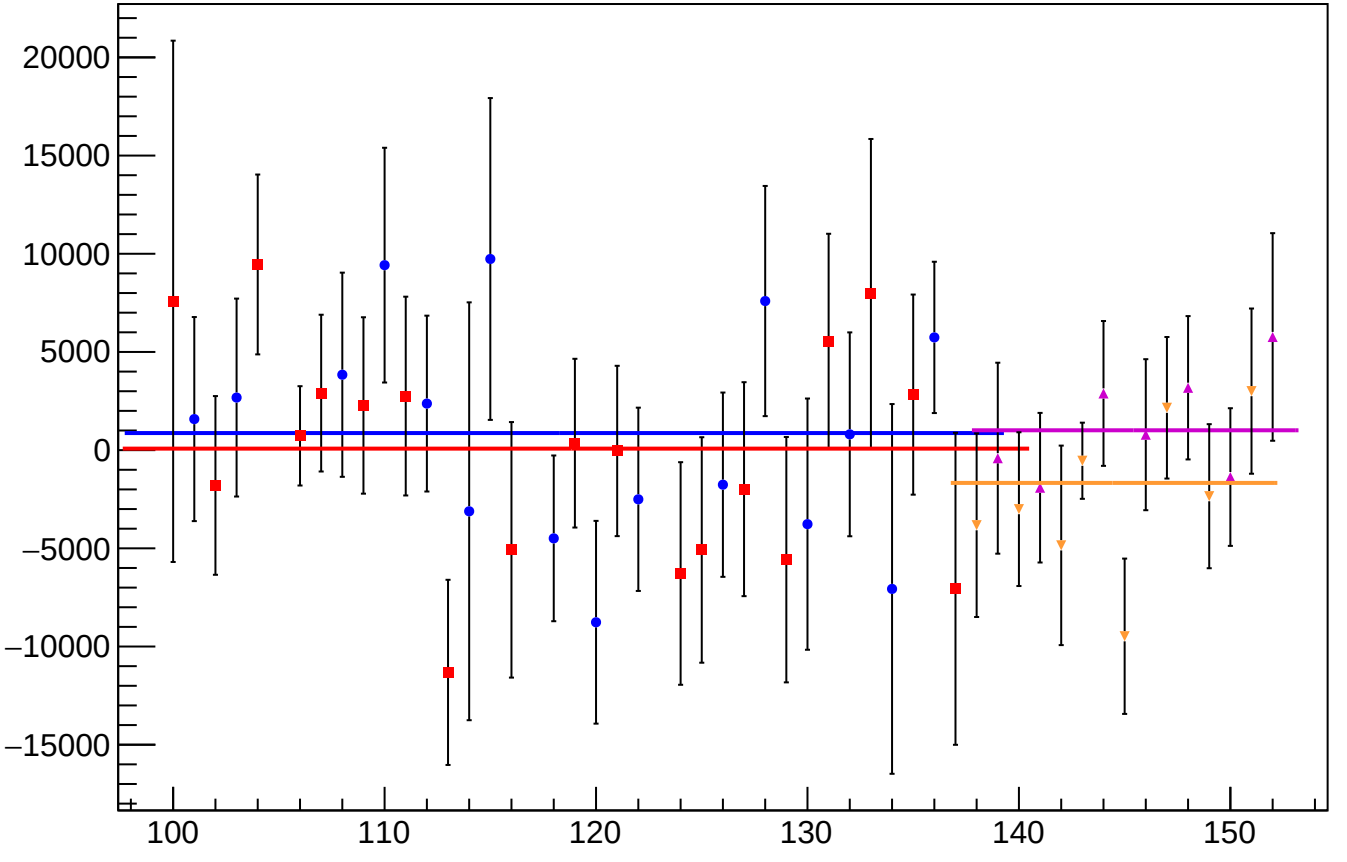
Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1308.784+/-0.256 χ^2/NDF: 655339.9/23

All: 1301.395+/-0.179 χ^2/NDF: 989016.6/49

- sign 1294.258+/-0.251 χ^2/NDF: 332035.7/25

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1668.580+/-1206.139 χ^2/NDF:7.4/7

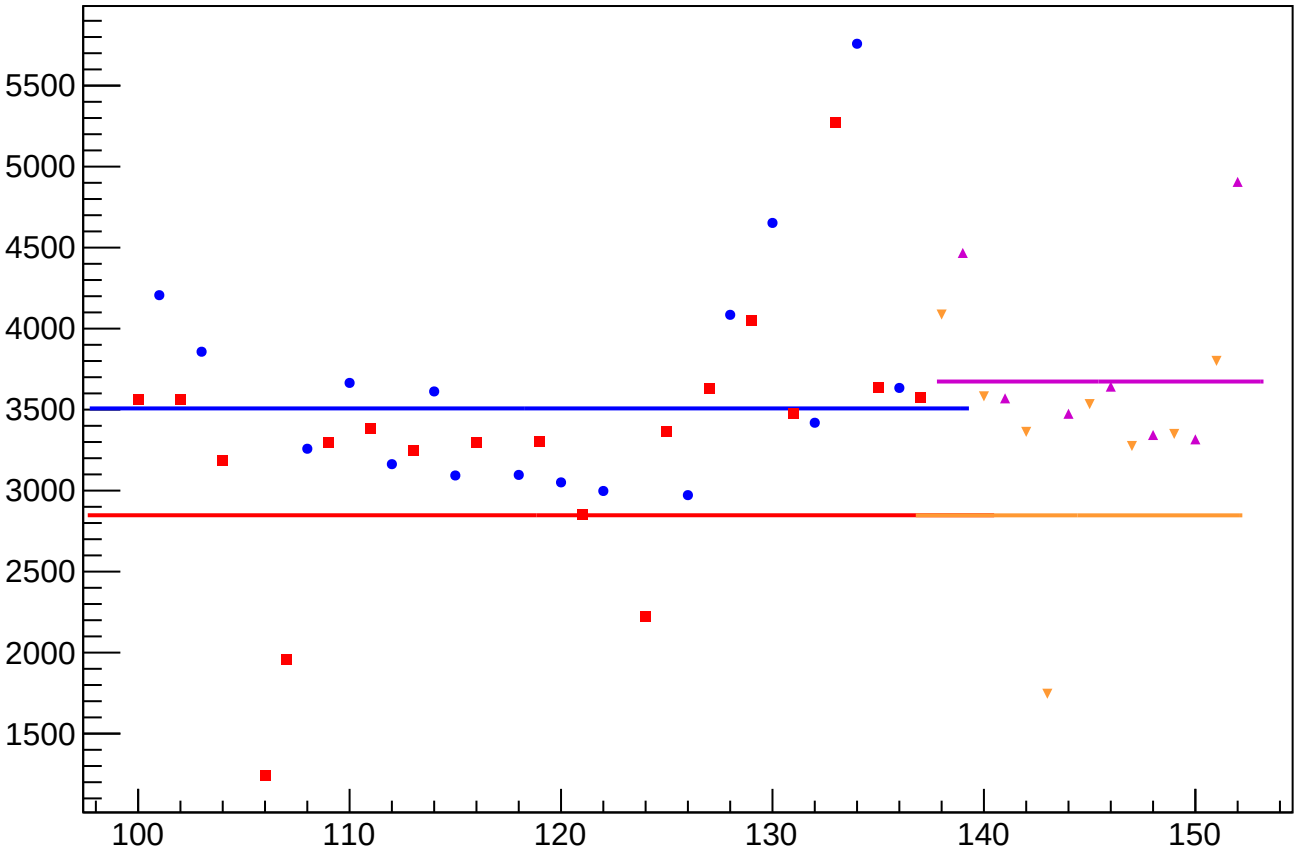
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1011.118+/-1499.665 χ^2/NDF:2.6/6

\+ sign -518.368+/-892.021 χ^2/NDF: 23.4/23

All: -55.441+/-631.012 χ^2/NDF: 45.1/49

\- sign 408.244+/-892.752 χ^2/NDF: 21.2/25



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2847.311+/-0.853 χ^2/NDF:1105175.2/7

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

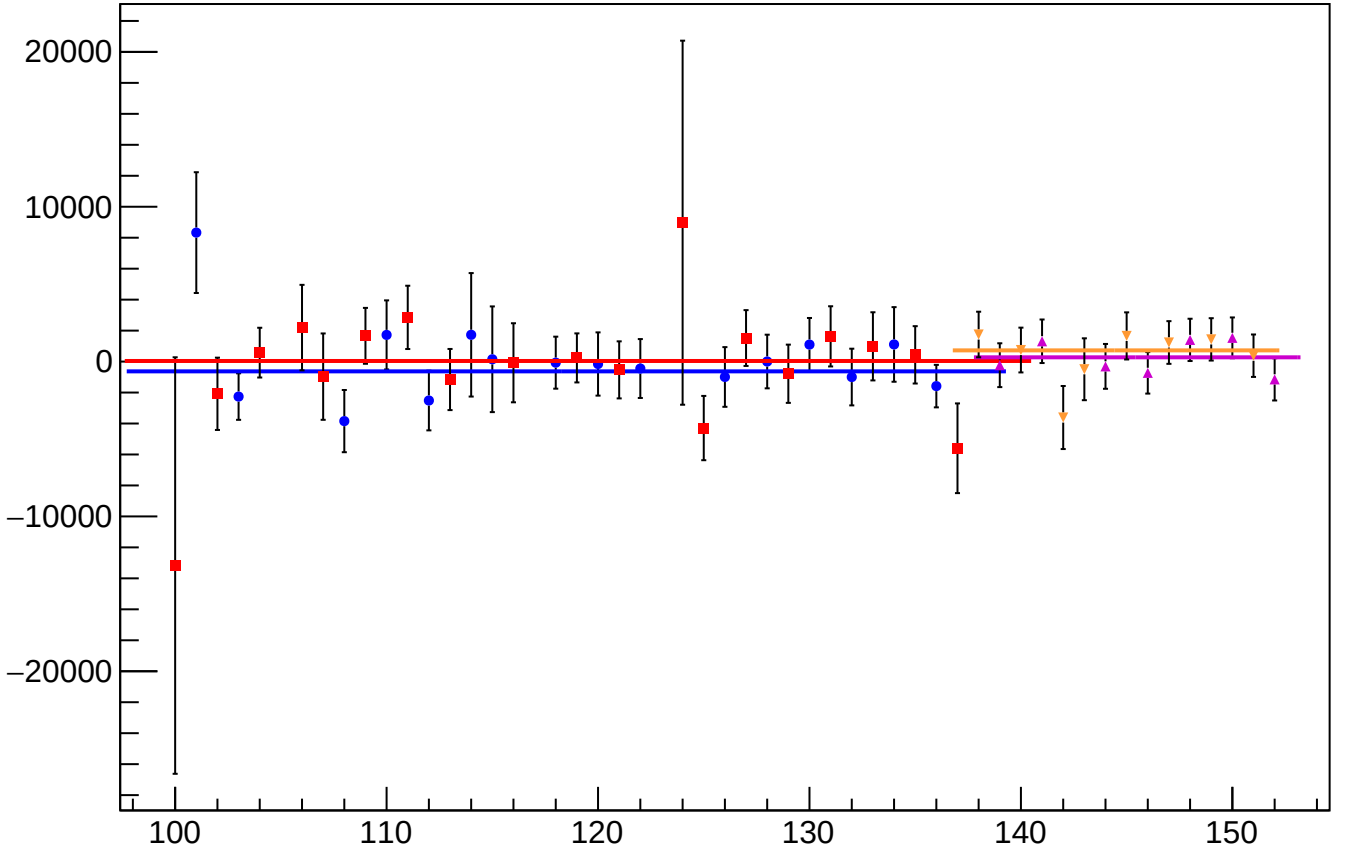
Left In: 3673.333+/-1.060 χ^2/NDF:206565.8/6

+ sign 3146.356+/-0.631 χ^2/NDF: 1730531.0/23

All: 3143.368+/-0.446 χ^2/NDF: 3827761.8/49

- sign 3140.376+/-0.631 χ^2/NDF: 2097185.8/25

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

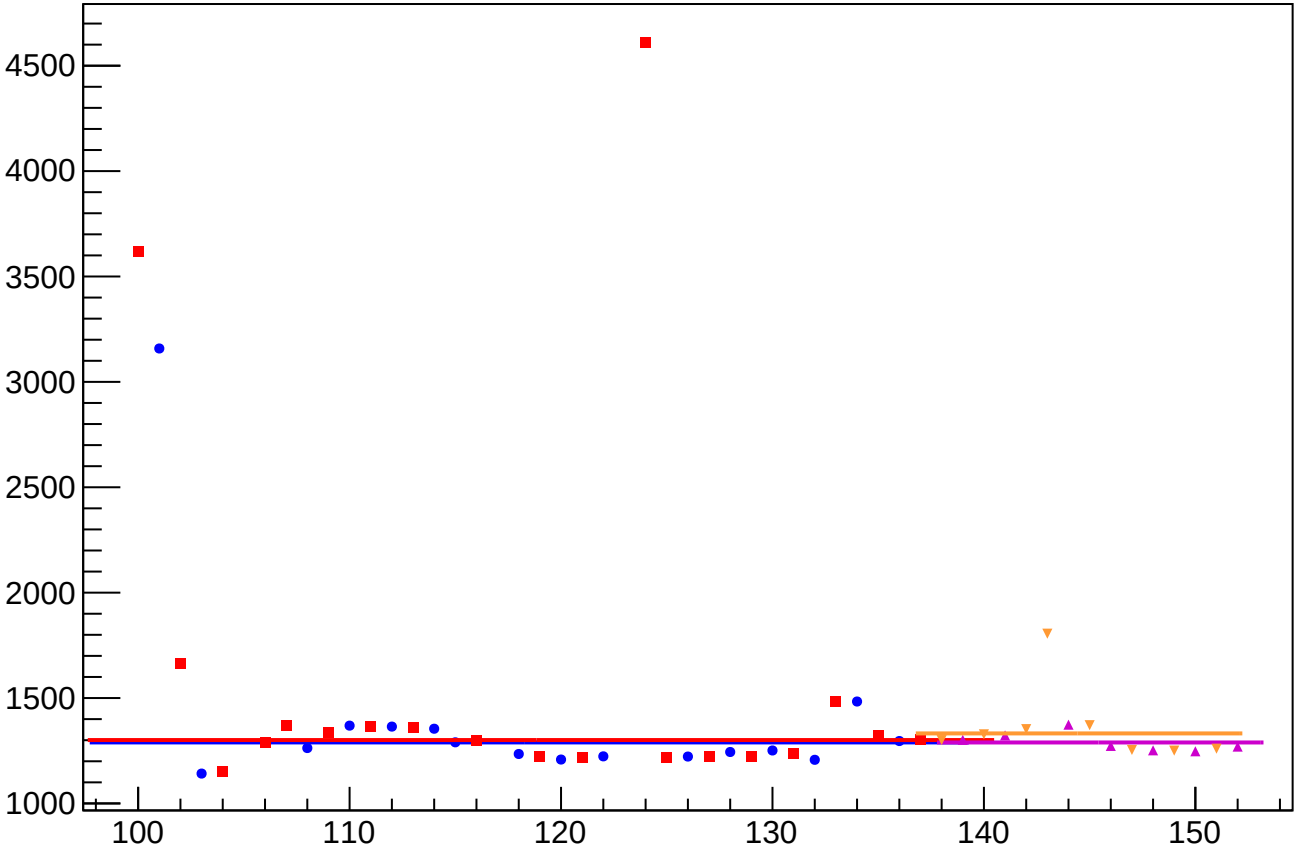
Left In: 274.899+/-520.586 χ^2/NDF:4.1/6

+ sign -18.615+/-361.682 χ^2/NDF: 23.6/23

All: 66.584+/-253.738 χ^2/NDF: 44.2/49

- sign 149.156+/-356.064 χ^2/NDF: 20.5/25

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

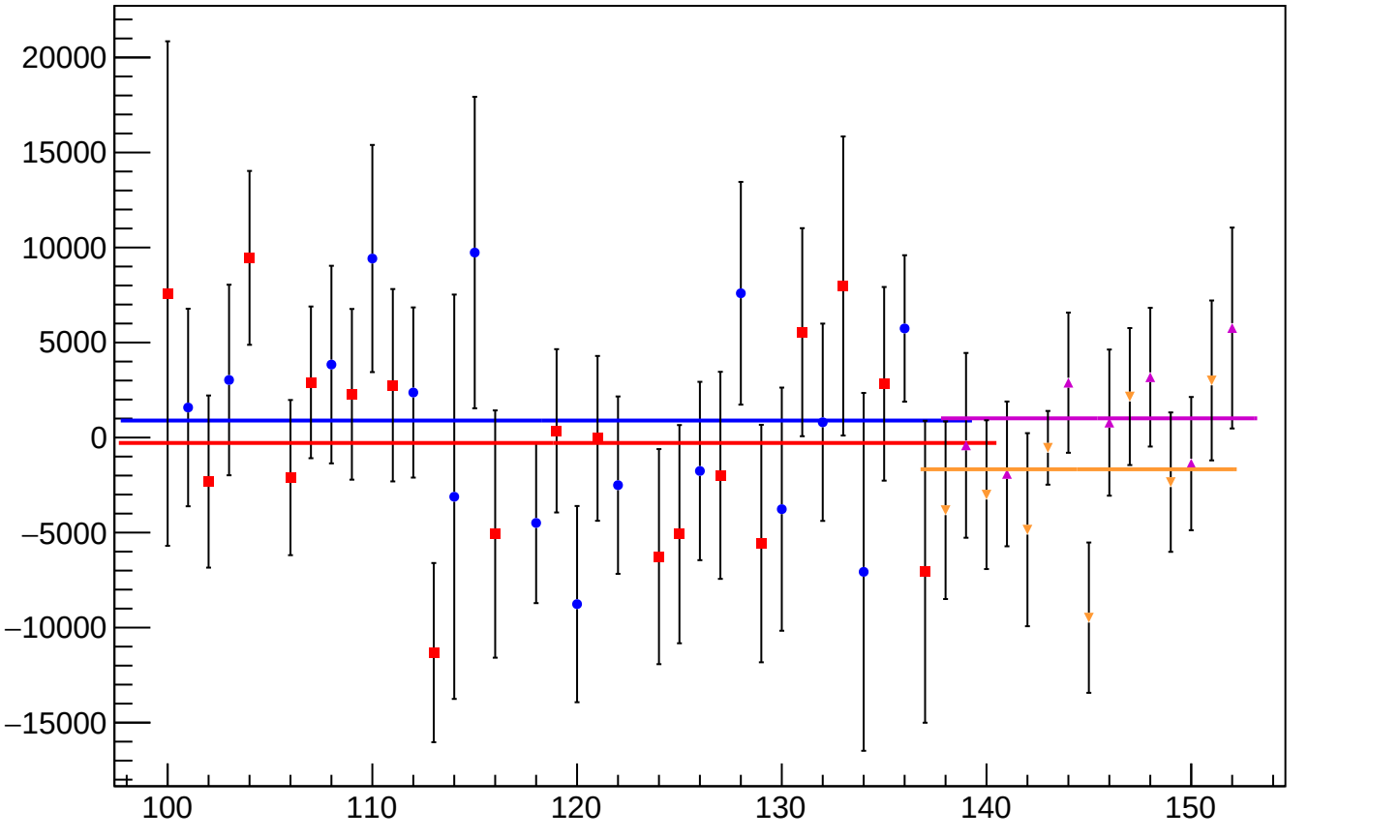
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1308.784+/-0.256 χ^2/NDF: 655341.4/23

All: 1301.946+/-0.179 χ^2/NDF: 995482.2/49

- sign 1295.333+/-0.252 χ^2/NDF: 338734.7/25



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1668.503+/-1206.136 χ^2/NDF:7.4/7

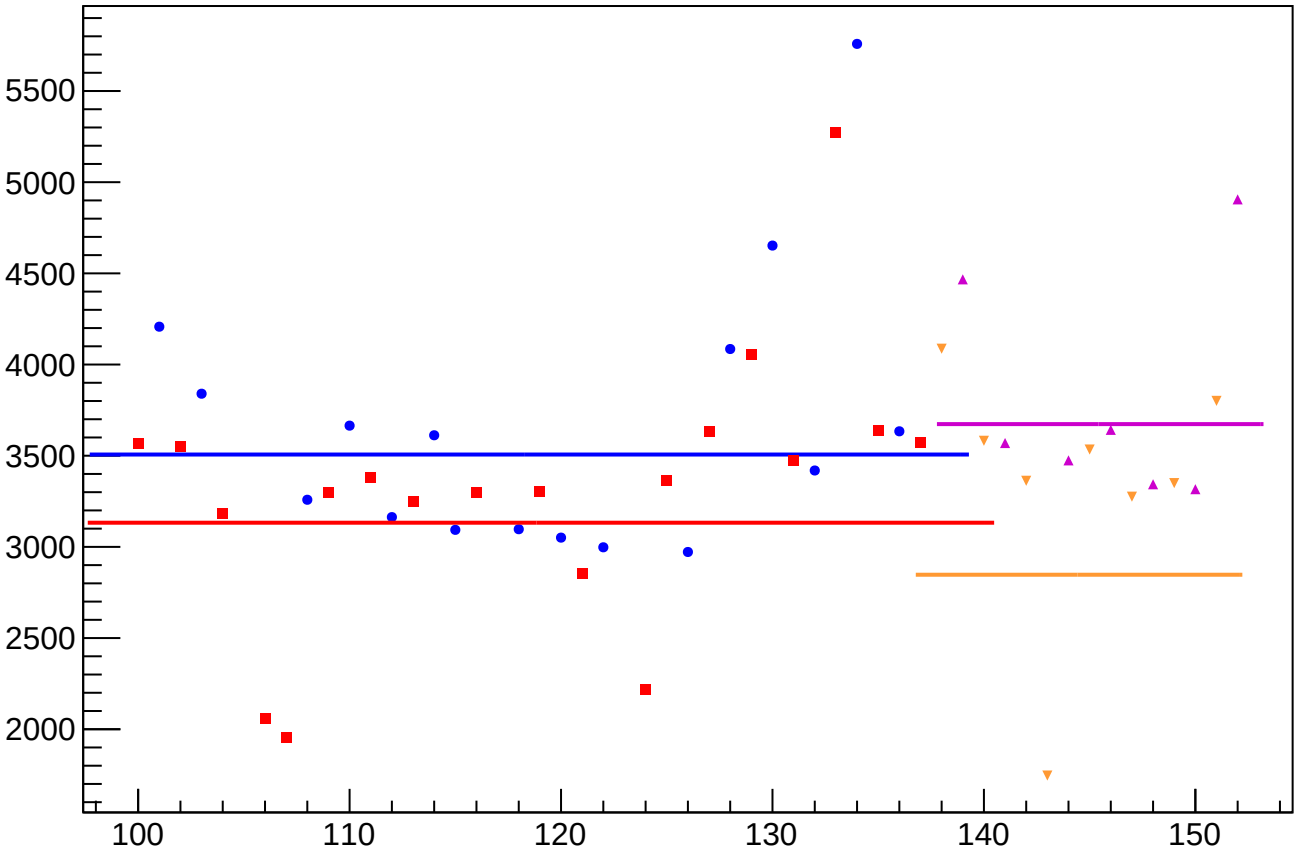
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1011.150+/-1499.663 χ^2/NDF:2.6/6

+ sign -506.240+/-891.881 χ^2/NDF: 23.5/23

All: -161.275+/-643.339 χ^2/NDF: 45.4/49

- sign 212.907+/-928.884 χ^2/NDF: 21.6/25



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

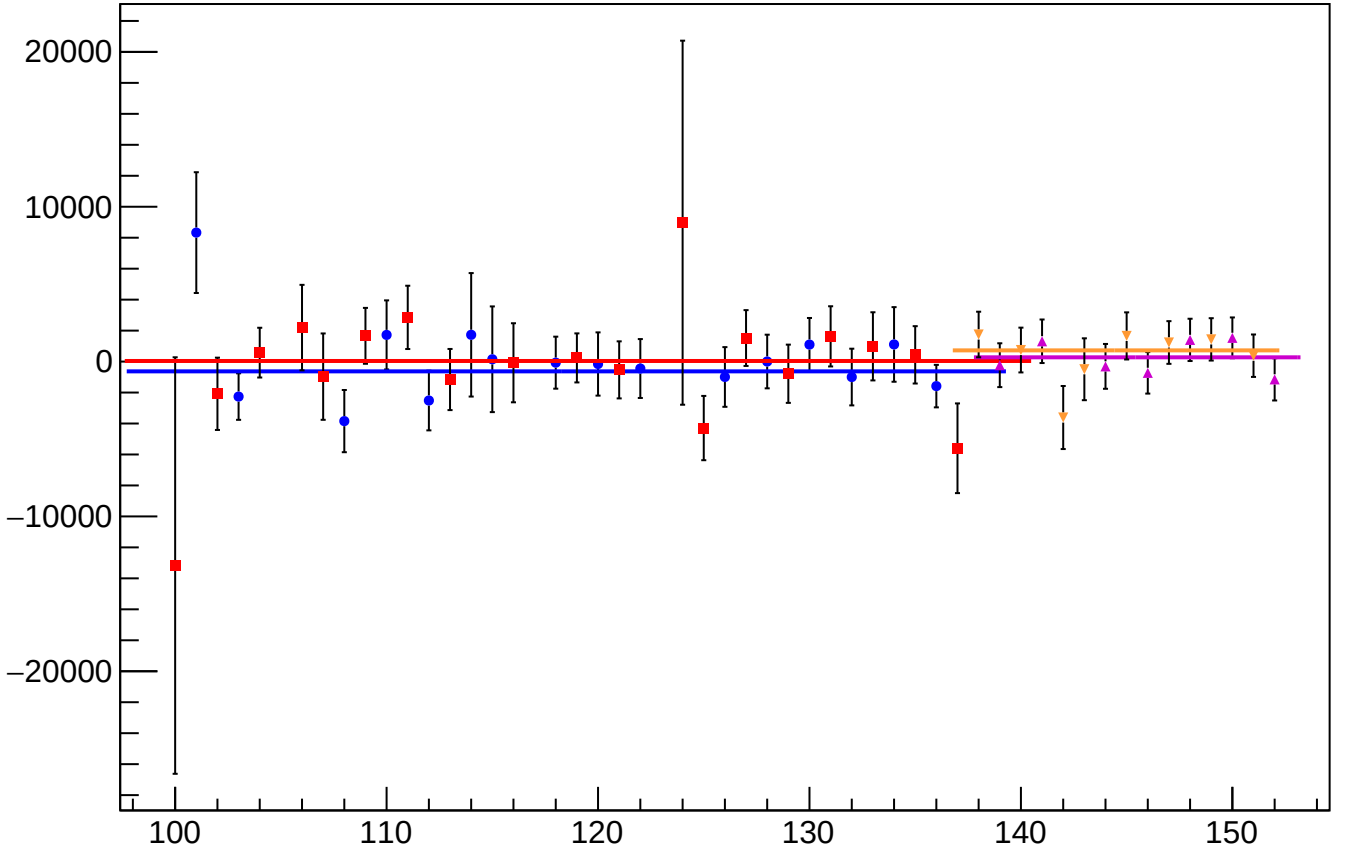
Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

+ sign 3146.049+/-0.631 χ^2/NDF: 1729169.7/23

All: 3239.104+/-0.455 χ^2/NDF: 2791004.1/49

- sign 3340.042+/-0.657 χ^2/NDF: 1016446.0/25

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: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

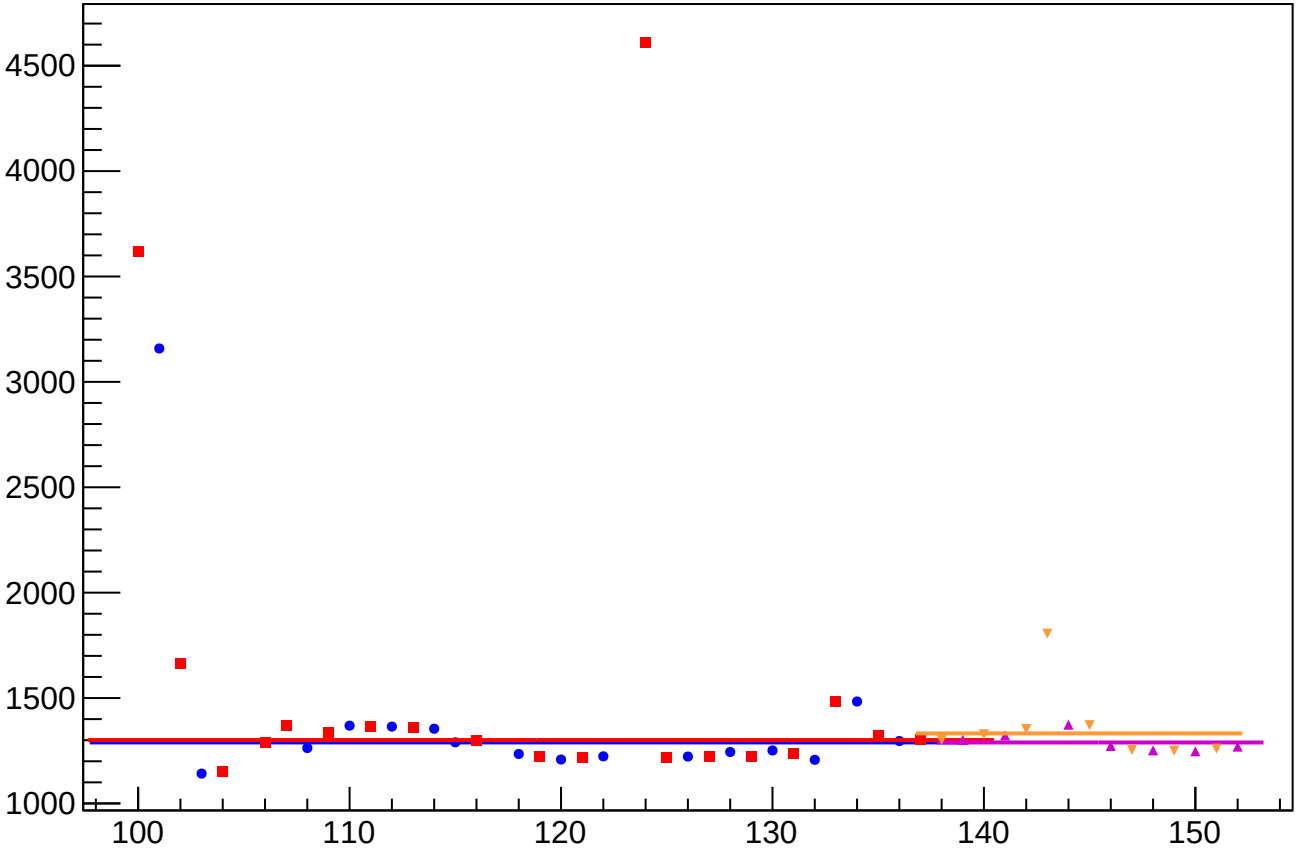
Left In: 274.899+/-520.586 χ^2/NDF:4.1/6

+ sign -18.615+/-361.682 χ^2/NDF: 23.6/23

All: 66.584+/-253.738 χ^2/NDF: 44.2/49

- sign 149.156+/-356.064 χ^2/NDF: 20.5/25

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: 1332.187+/-0.380 χ^2/NDF:133752.8/7

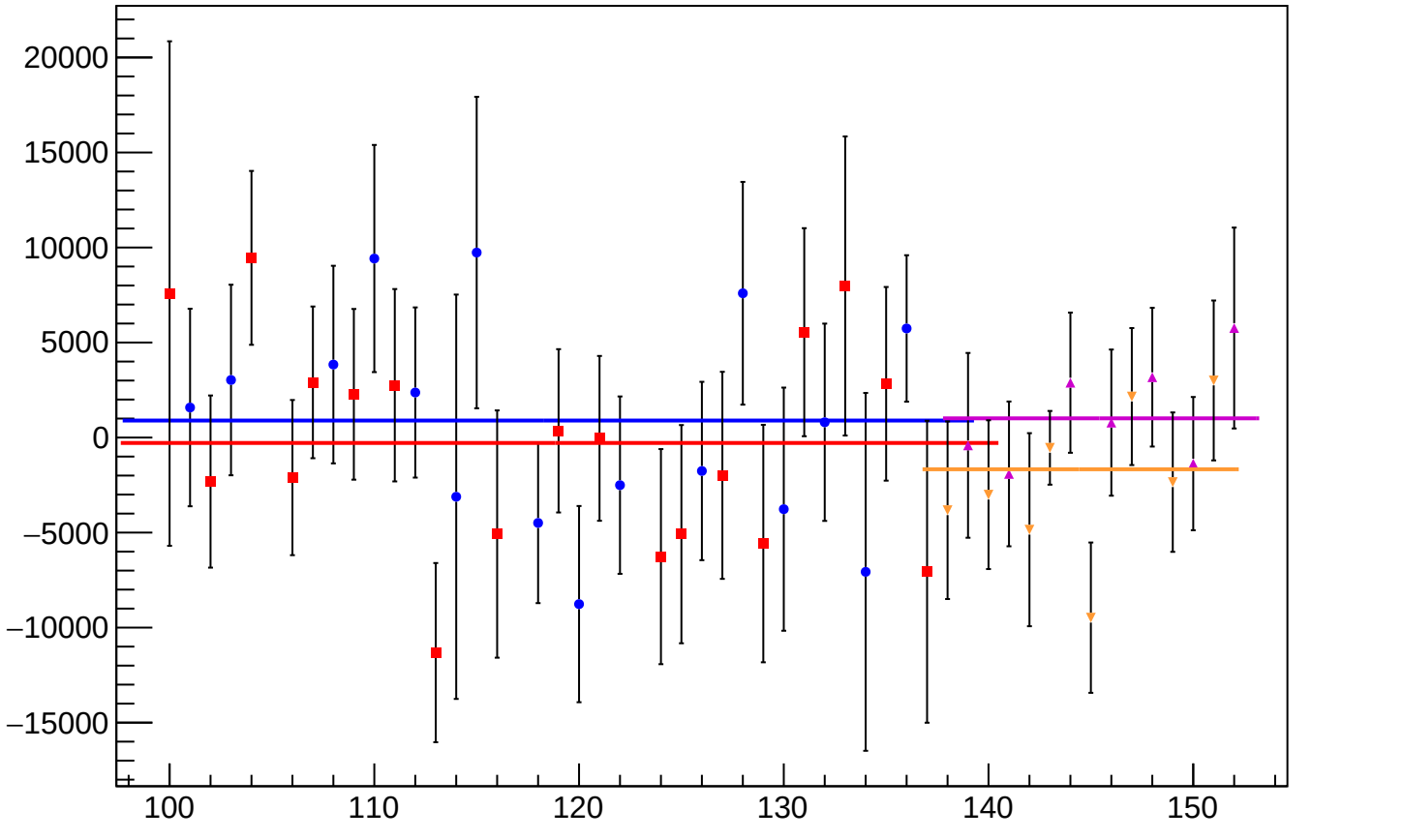
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1308.784+/-0.256 χ^2/NDF: 655341.4/23

All: 1301.946+/-0.179 χ^2/NDF: 995482.2/49

- sign 1295.333+/-0.252 χ^2/NDF: 338734.7/25



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1668.503+/-1206.136 χ^2/NDF:7.4/7

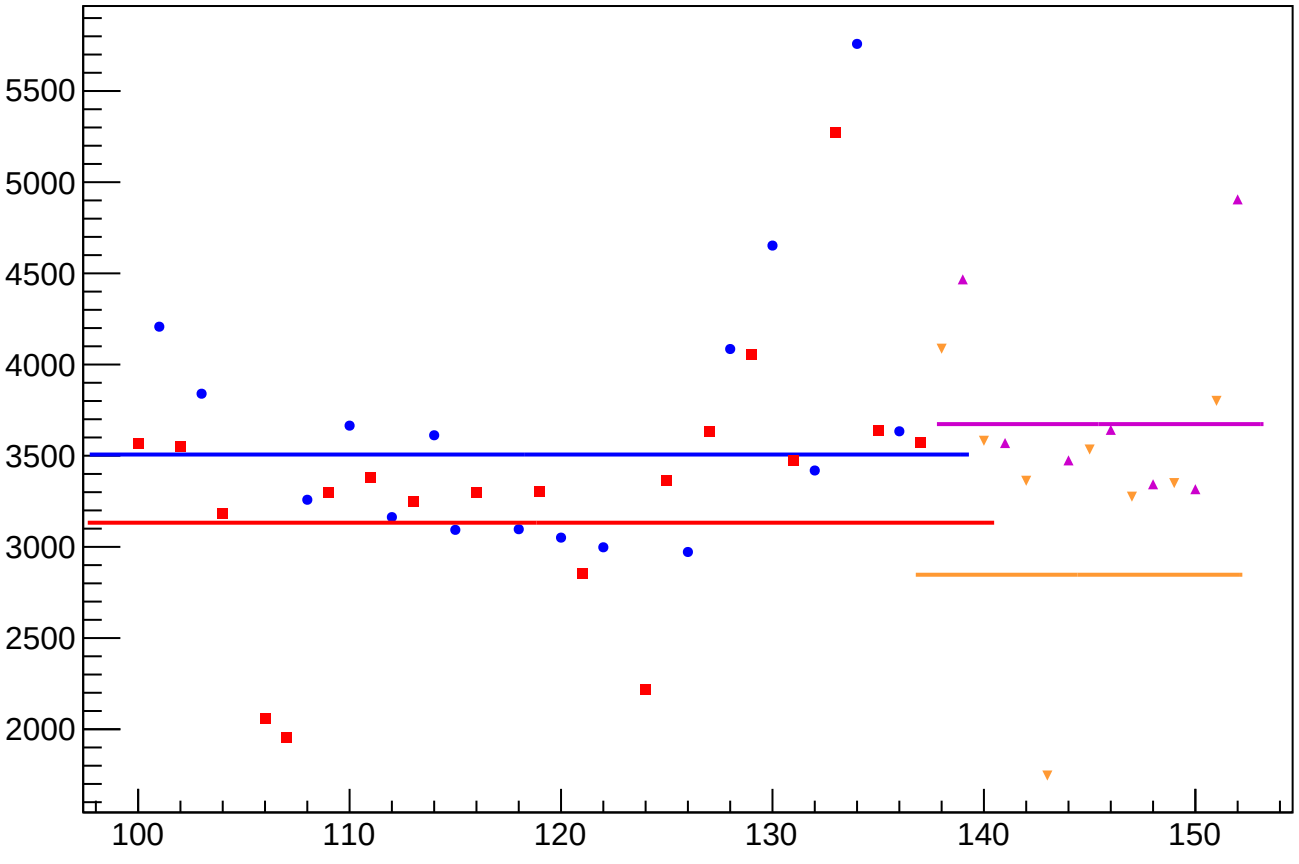
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1011.150+/-1499.663 χ^2/NDF:2.6/6

+ sign -506.240+/-891.881 χ^2/NDF: 23.5/23

All: -161.275+/-643.339 χ^2/NDF: 45.4/49

- sign 212.907+/-928.884 χ^2/NDF: 21.6/25



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

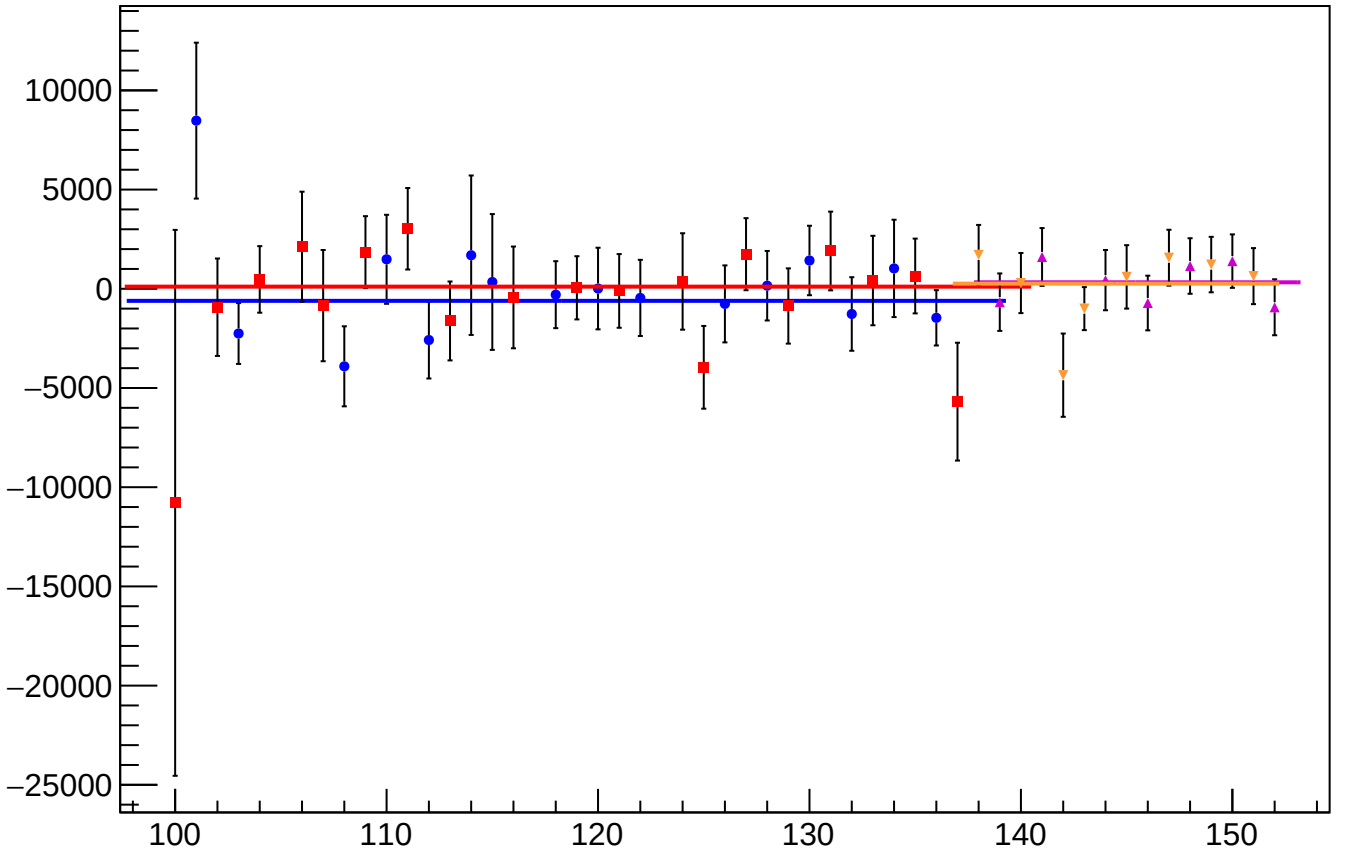
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

+ sign 3146.049+/-0.631 χ^2/NDF: 1729169.7/23

All: 3239.104+/-0.455 χ^2/NDF: 2791004.1/49

- sign 3340.042+/-0.657 χ^2/NDF: 1016446.0/25



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.523+/-508.892 χ^2/NDF:8.6/7

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

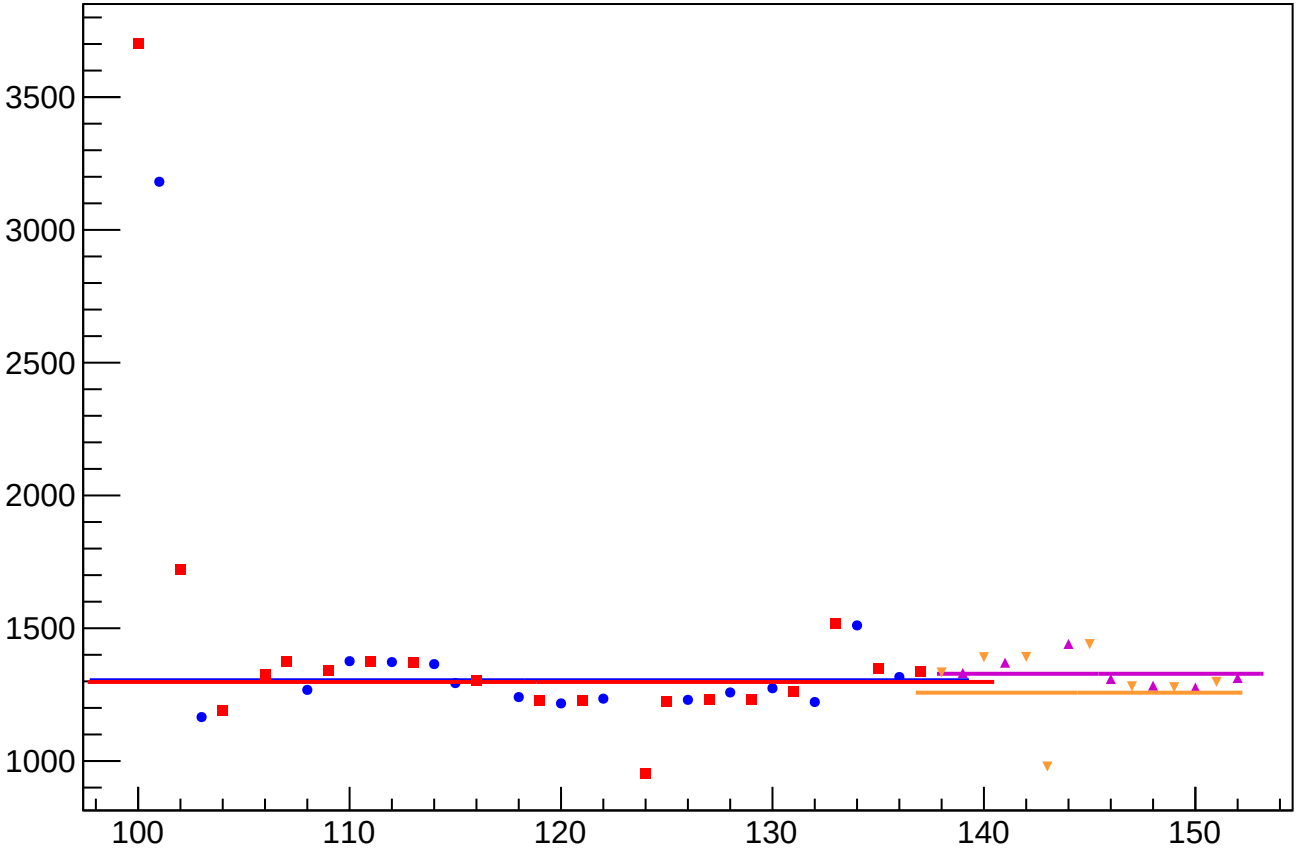
Left In: 326.169+/-536.661 χ^2/NDF:3.6/6

+ sign -186.385+/-354.526 χ^2/NDF: 24.2/23

All: 7.038+/-252.619 χ^2/NDF: 43.3/49

- sign 206.541+/-360.054 χ^2/NDF: 18.6/25

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1257.332+/-0.360 χ^2/NDF:189333.3/7

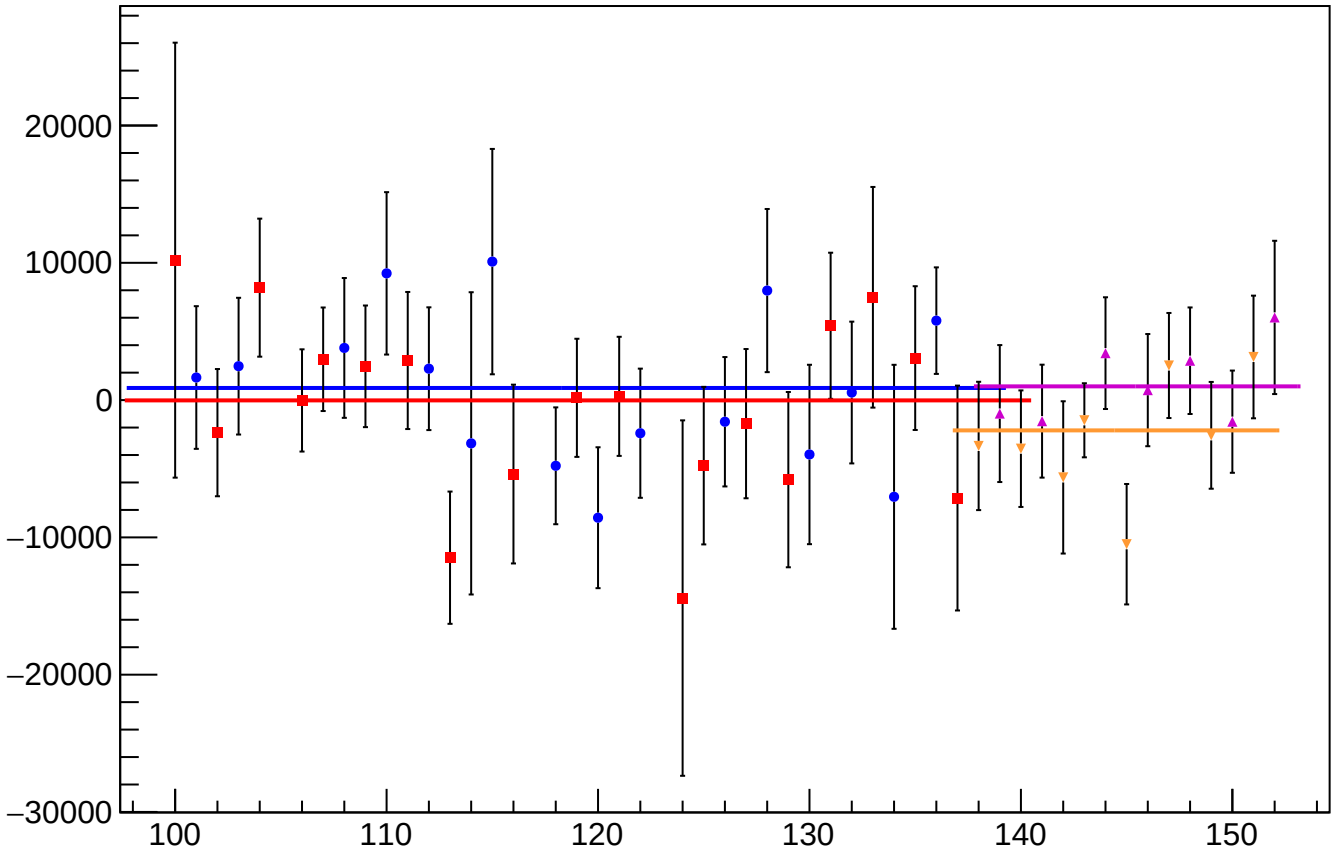
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1328.595+/-0.379 χ^2/NDF:18306.6/6

+ sign 1281.403+/-0.251 χ^2/NDF: 708617.1/23

All: 1296.298+/-0.179 χ^2/NDF: 950813.5/49

- sign 1311.648+/-0.254 χ^2/NDF: 235028.0/25



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2205.955+/-1403.445 χ^2/NDF:7.2/7

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

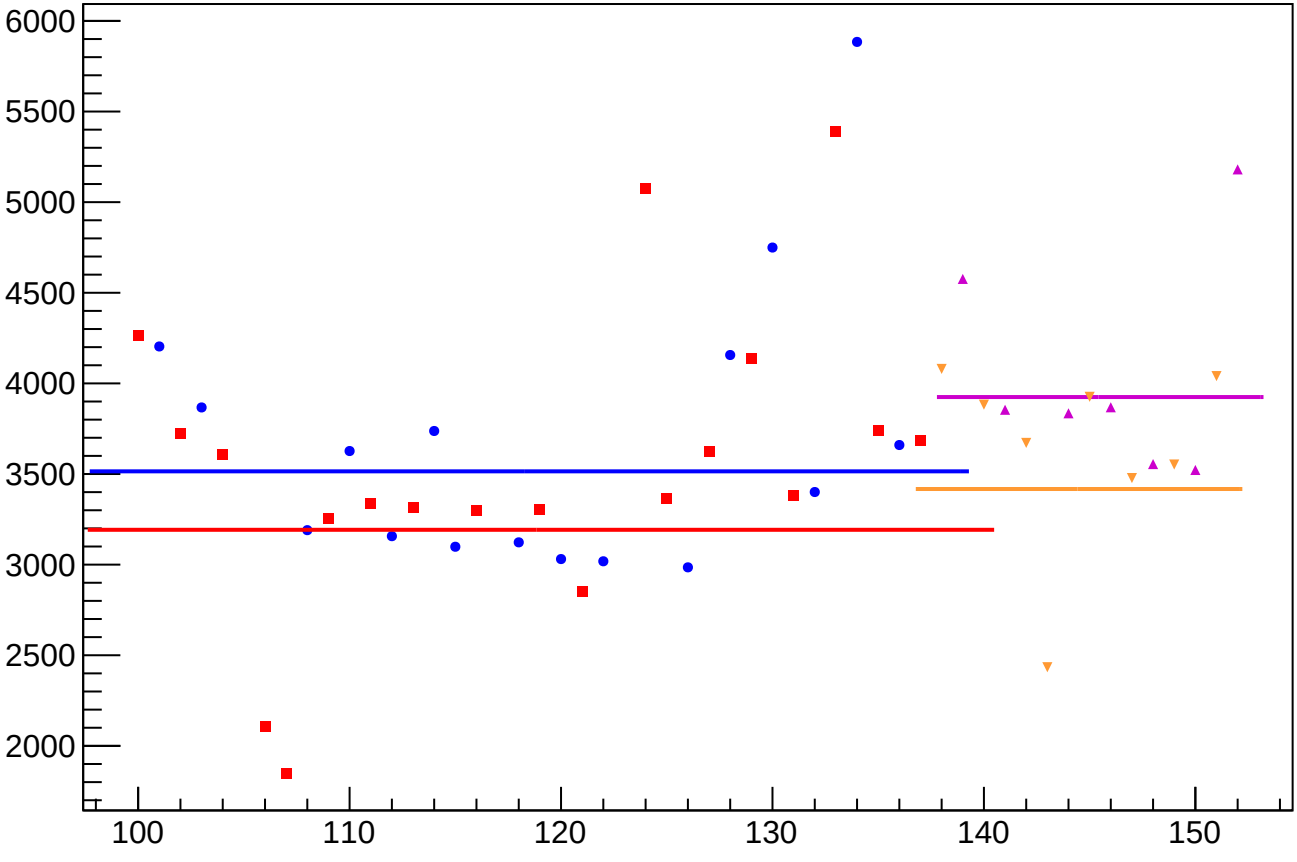
Left In: 1000.552+/-1600.800 χ^2/NDF:2.4/6

+ sign -574.967+/-964.377 χ^2/NDF: 23.8/23

All: -112.107+/-680.429 χ^2/NDF: 43.8/49

- sign 346.733+/-960.180 χ^2/NDF: 19.5/25

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: 3417.290+/-0.992 χ^2/NDF:402928.5/7

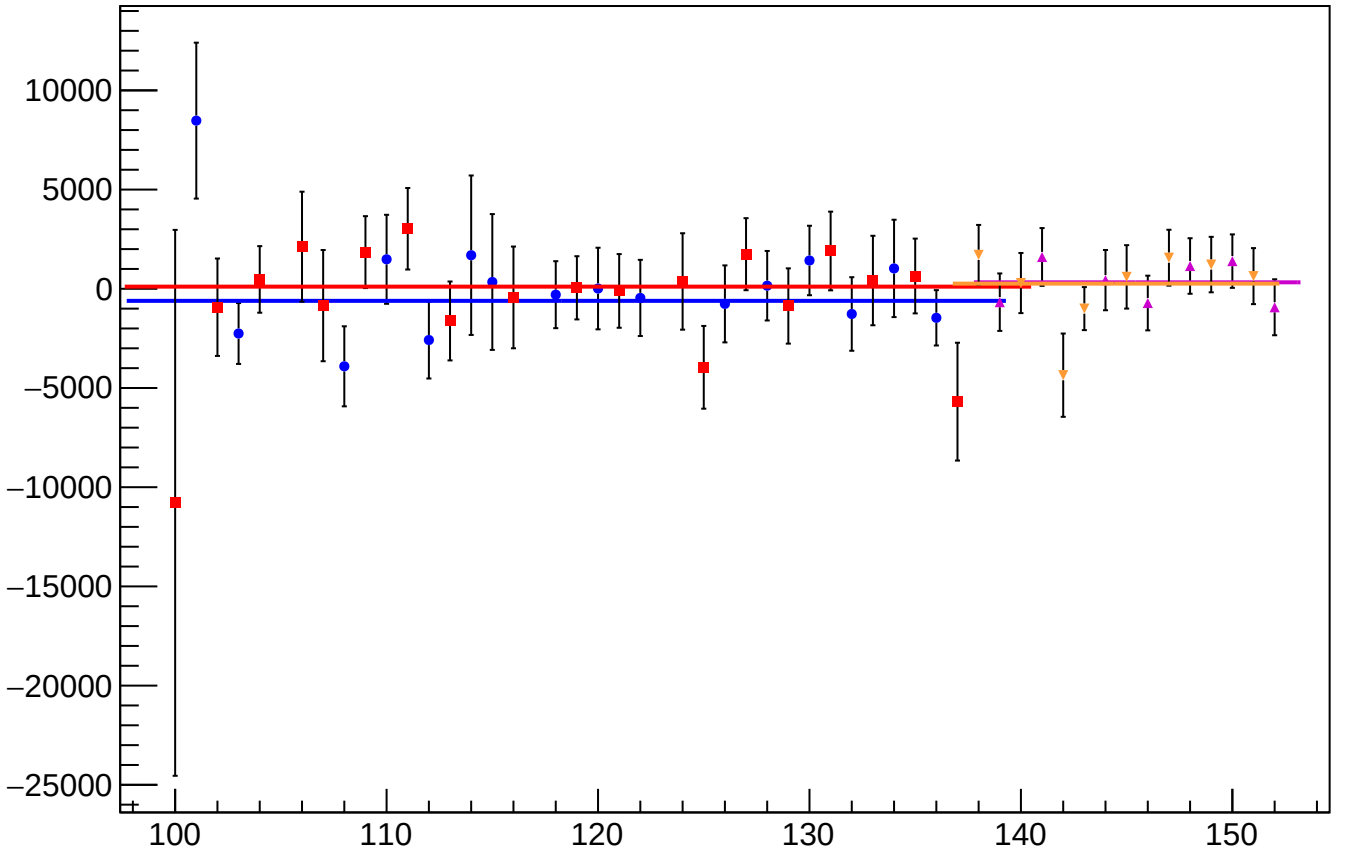
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3924.685+/-1.132 χ^2/NDF:178886.7/6

+ sign 3468.730+/-0.682 χ^2/NDF: 783097.4/23

All: 3462.203+/-0.481 χ^2/NDF: 2002752.8/49

- sign 3455.732+/-0.679 χ^2/NDF: 1219473.0/25



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.521+/-508.892 χ^2/NDF:8.6/7

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

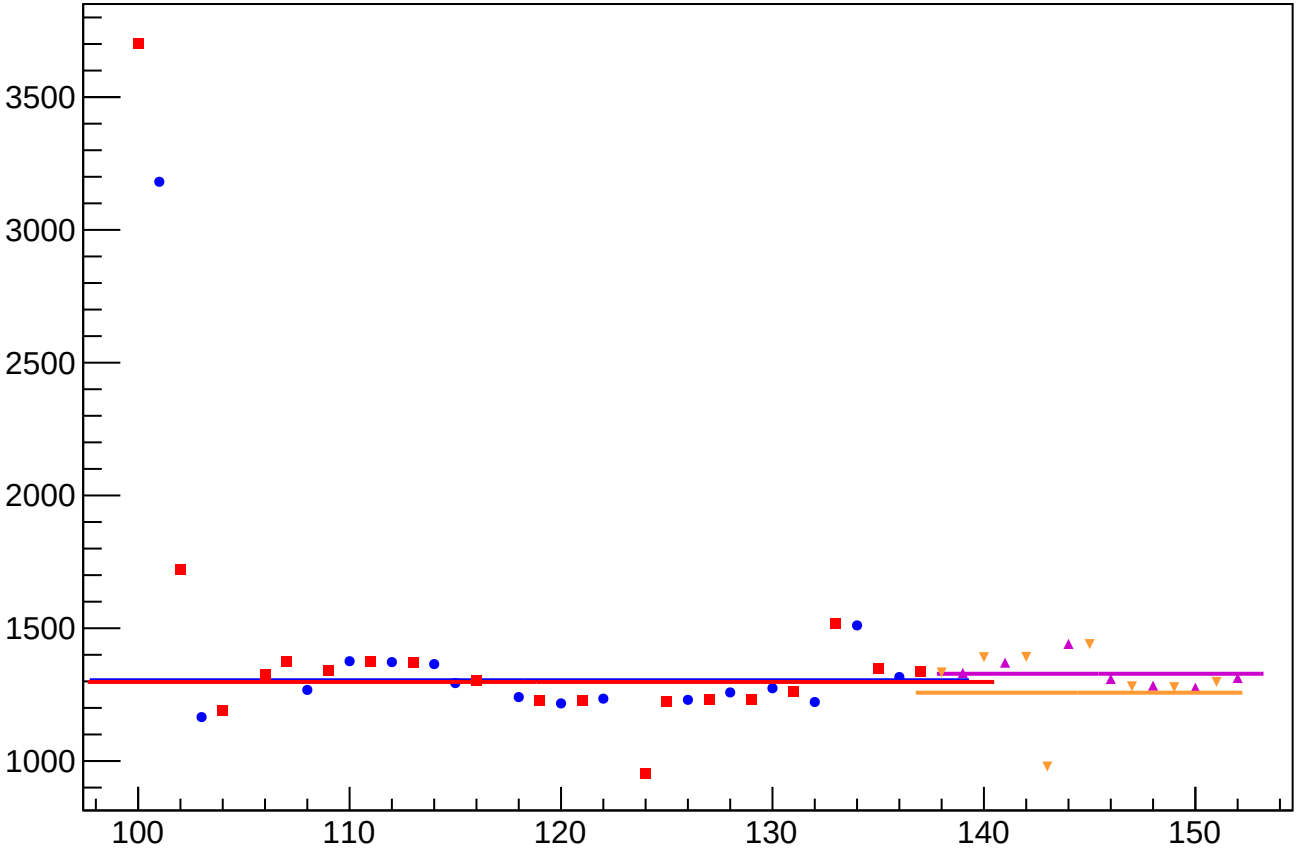
Left In: 326.168+/-536.661 χ^2/NDF:3.6/6

+ sign -186.388+/-354.526 χ^2/NDF: 24.2/23

All: 7.038+/-252.619 χ^2/NDF: 43.3/49

- sign 206.544+/-360.054 χ^2/NDF: 18.6/25

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: 1257.333+/-0.360 χ^2/NDF:189333.5/7

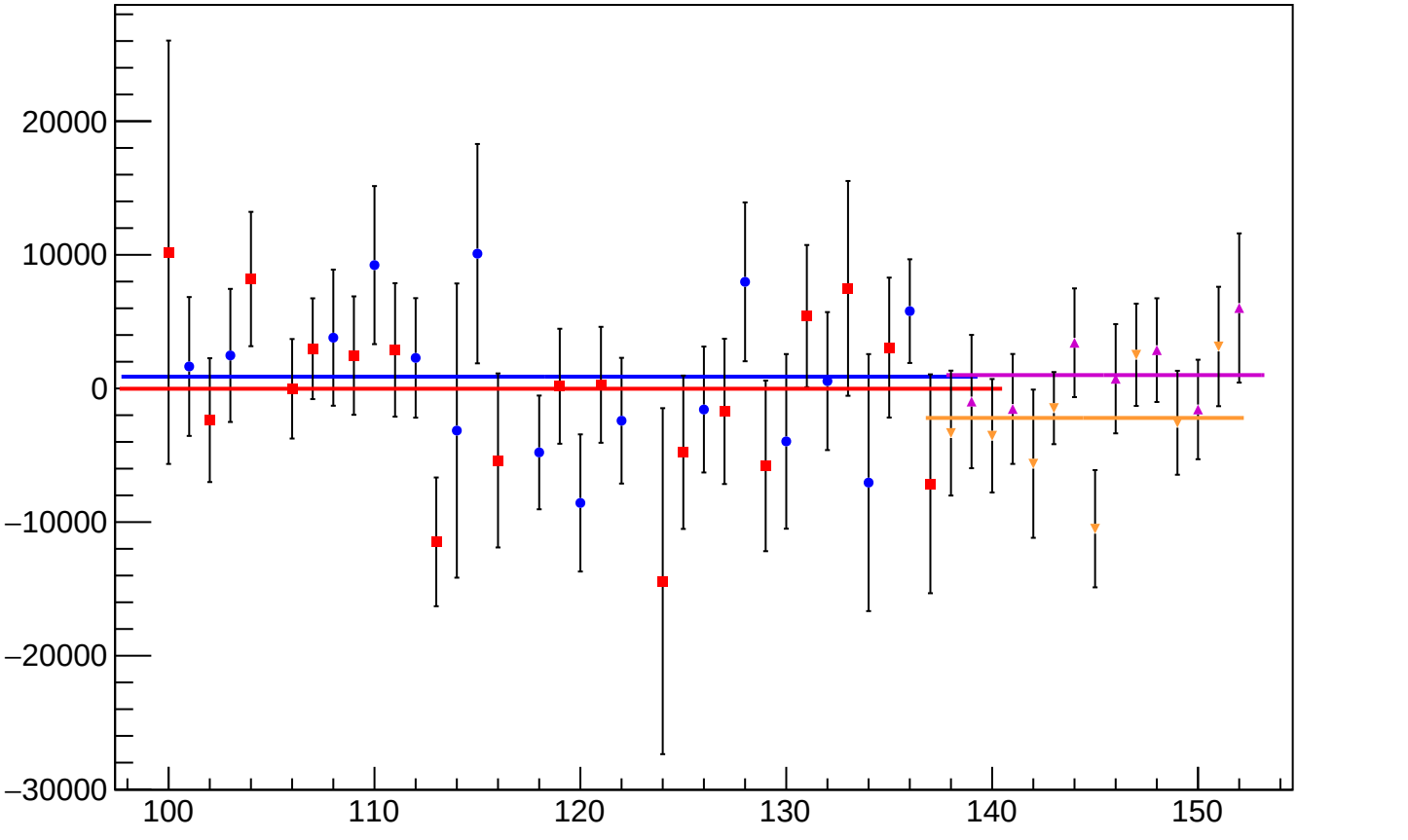
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1328.596+/-0.379 χ^2/NDF:18306.7/6

+ sign 1281.403+/-0.251 χ^2/NDF: 708617.1/23

All: 1296.298+/-0.179 χ^2/NDF: 950813.9/49

- sign 1311.649+/-0.254 χ^2/NDF: 235028.4/25



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2205.954+/-1403.447 χ^2/NDF:7.2/7

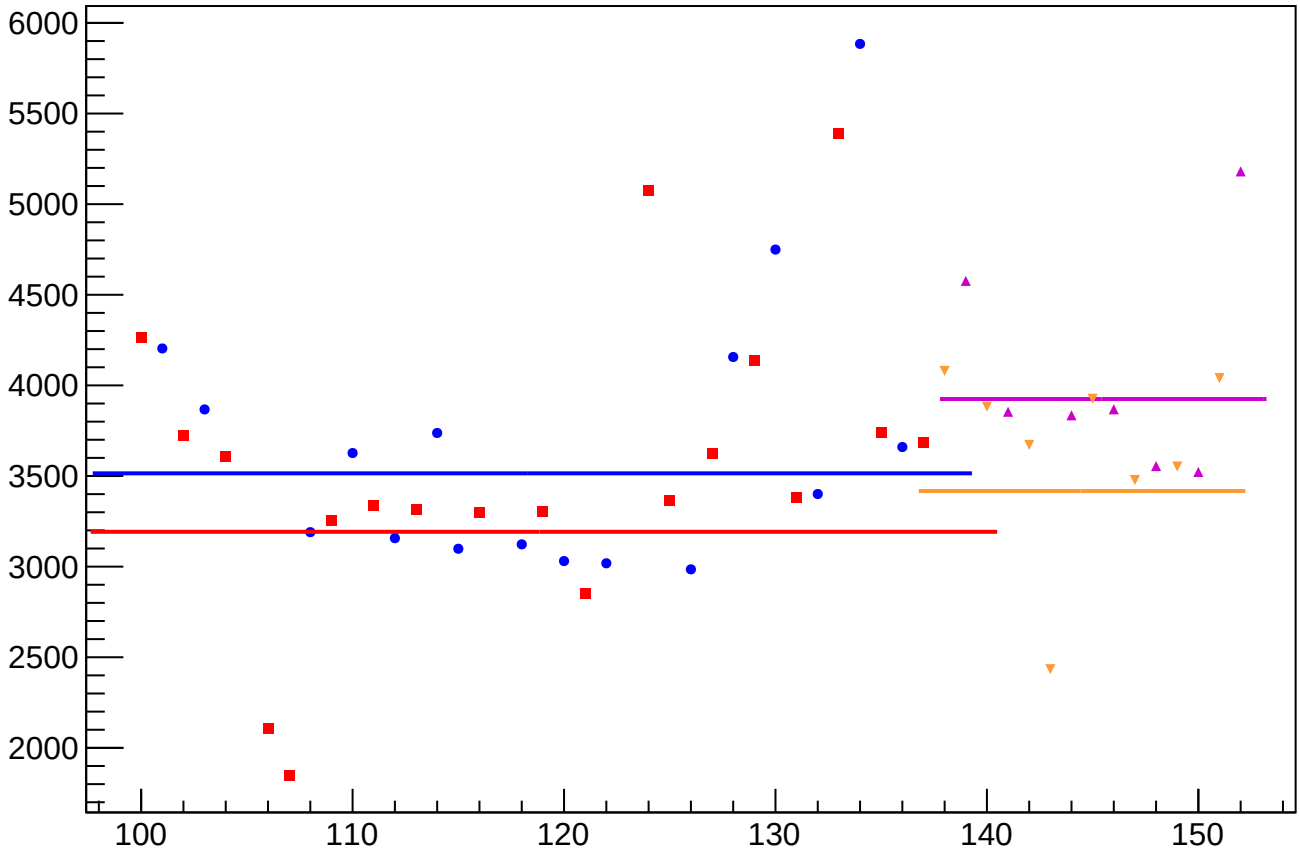
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1000.550+/-1600.802 χ^2/NDF:2.4/6

+ sign -574.966+/-964.376 χ^2/NDF: 23.8/23

All: -112.106+/-680.428 χ^2/NDF: 43.8/49

- sign 346.734+/-960.179 χ^2/NDF: 19.5/25



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3417.295+/-0.992 χ^2/NDF:402928.8/7

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

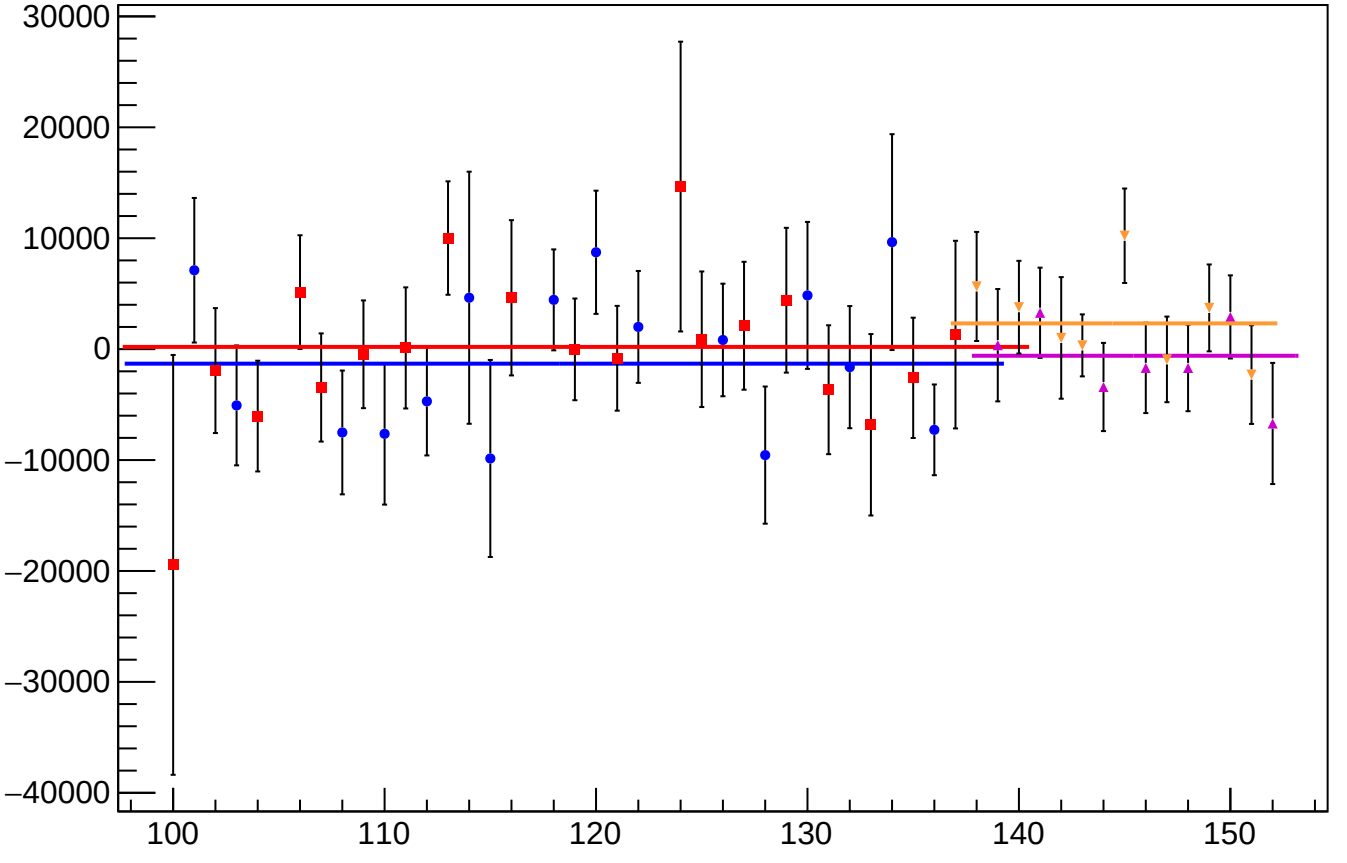
Left In: 3924.690+/-1.132 χ^2/NDF:178887.3/6

+ sign 3468.727+/-0.682 χ^2/NDF: 783100.4/23

All: 3462.199+/-0.481 χ^2/NDF: 2002768.2/49

- sign 3455.728+/-0.679 χ^2/NDF: 1219485.2/25

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2321.366+/-1417.221 χ^2/NDF:6.5/7

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

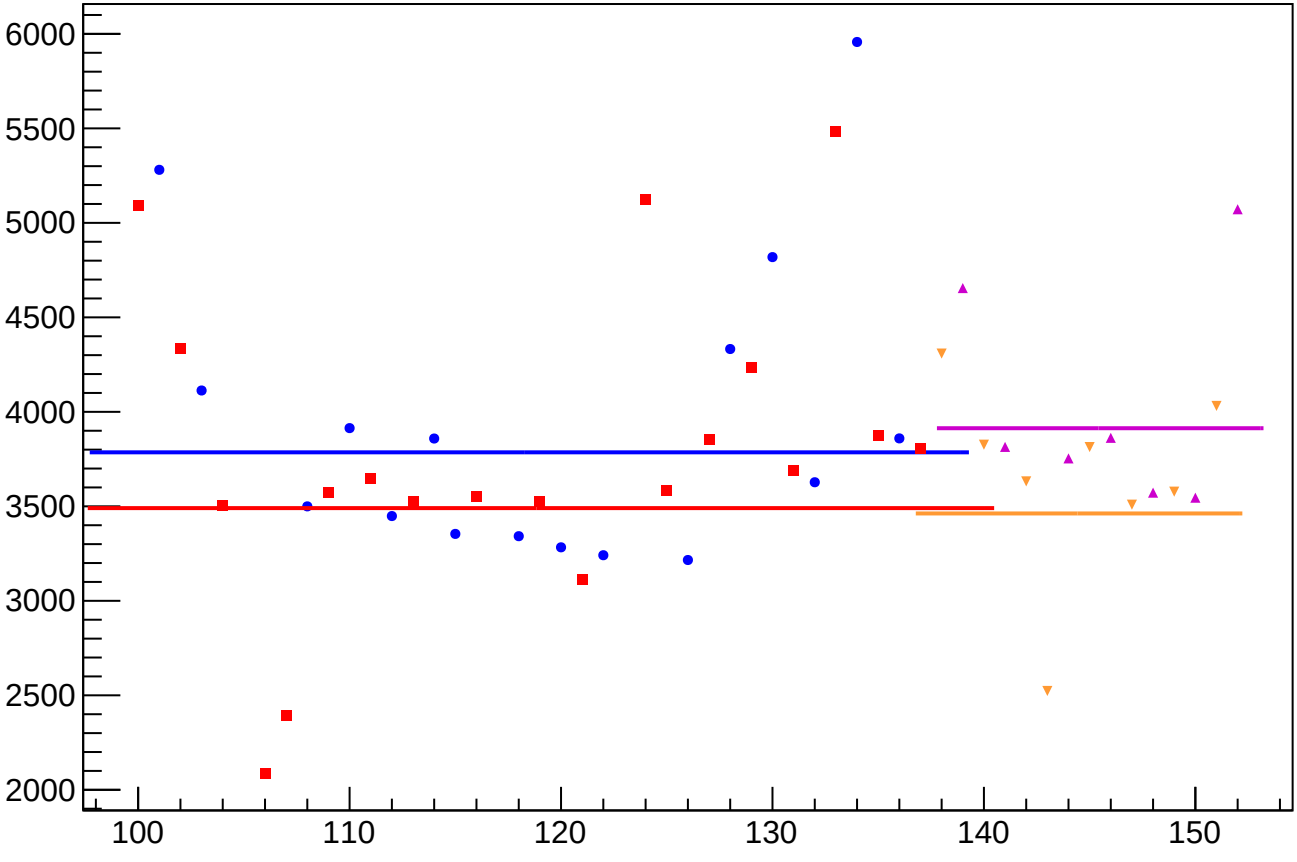
Left In: -596.327+/-1594.326 χ^2/NDF:3.7/6

+ sign 524.364+/-1007.180 χ^2/NDF: 27.3/23

All: 203.797+/-718.068 χ^2/NDF: 43.0/49

- sign -127.586+/-1024.032 χ^2/NDF: 15.5/25

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3462.341+/-1.002 χ^2/NDF:350486.3/7

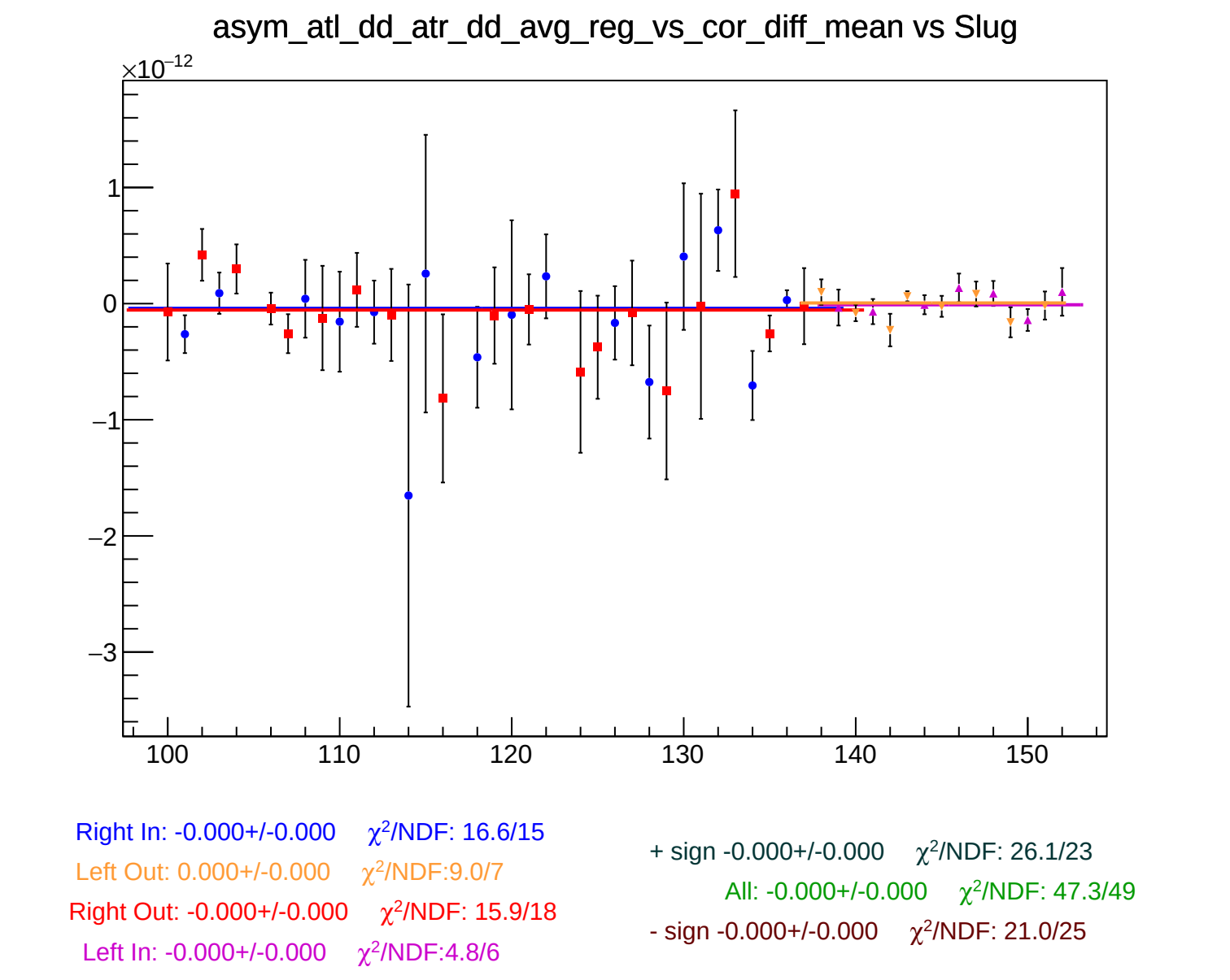
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

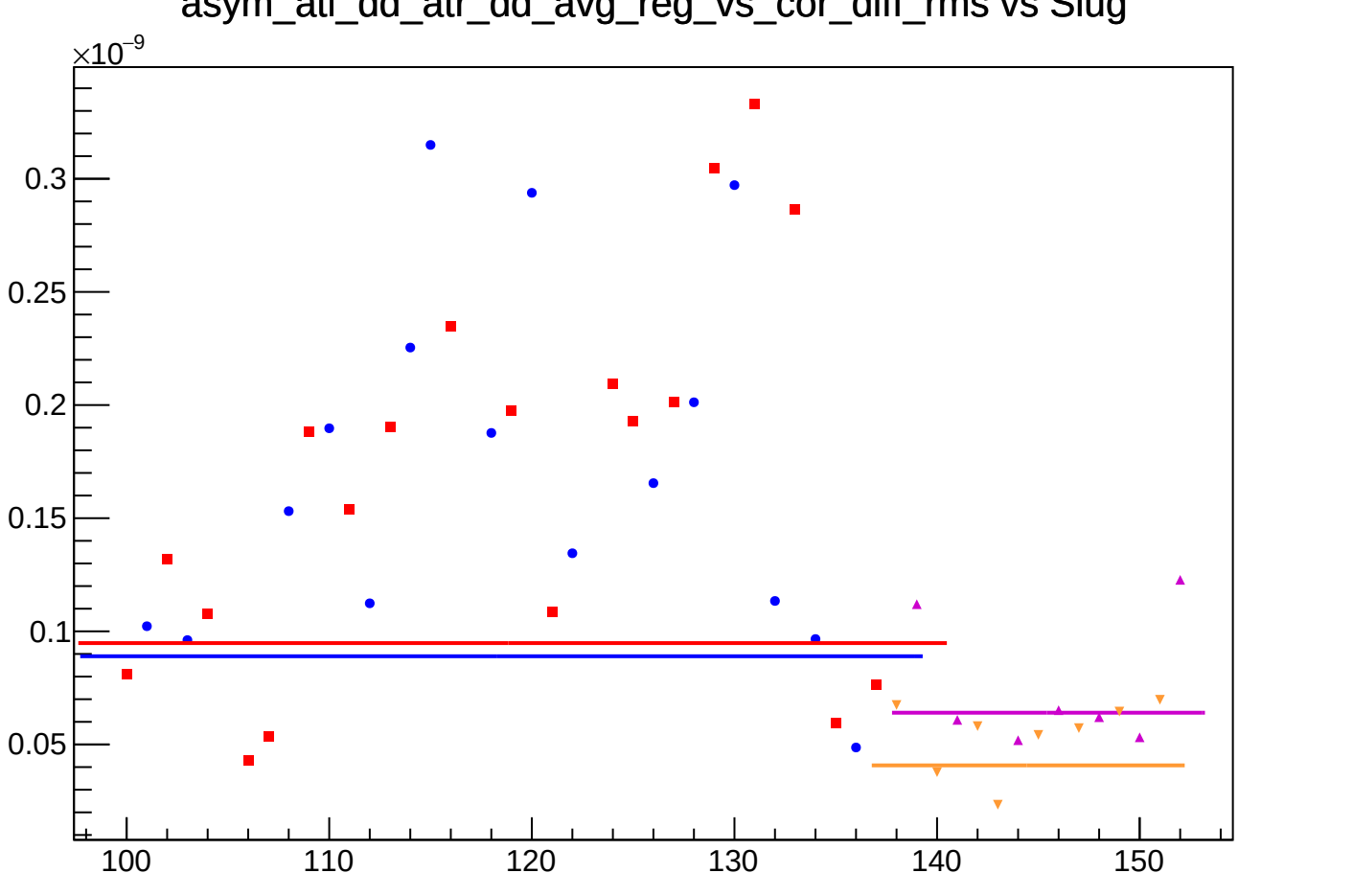
Left In: 3913.340+/-1.127 χ^2/NDF:172116.9/6

+ sign 3622.424+/-0.712 χ^2/NDF: 785035.5/23

All: 3642.144+/-0.506 χ^2/NDF: 1628944.9/49

- sign 3662.202+/-0.718 χ^2/NDF: 842362.8/25


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.0/7
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:4.8/6
+ sign -0.000+/-0.000 χ²/NDF: 26.1/23
All: -0.000+/-0.000 χ²/NDF: 47.3/49
- sign -0.000+/-0.000 χ²/NDF: 21.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:740129.3/7

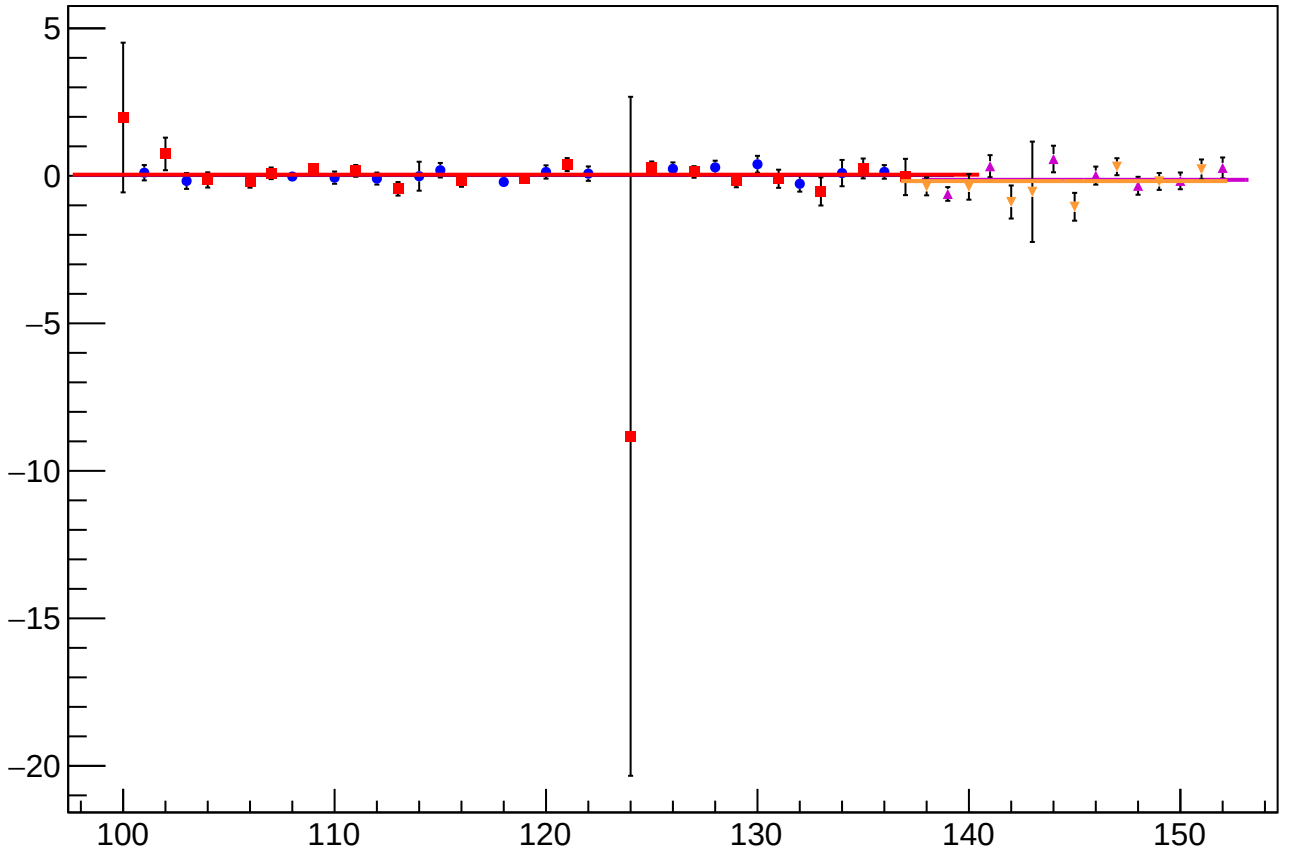
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:428699.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3277101.2/23

All: 0.000+/-0.000 χ^2/NDF: 6325285.1/49

- sign 0.000+/-0.000 χ^2/NDF: 2486384.4/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

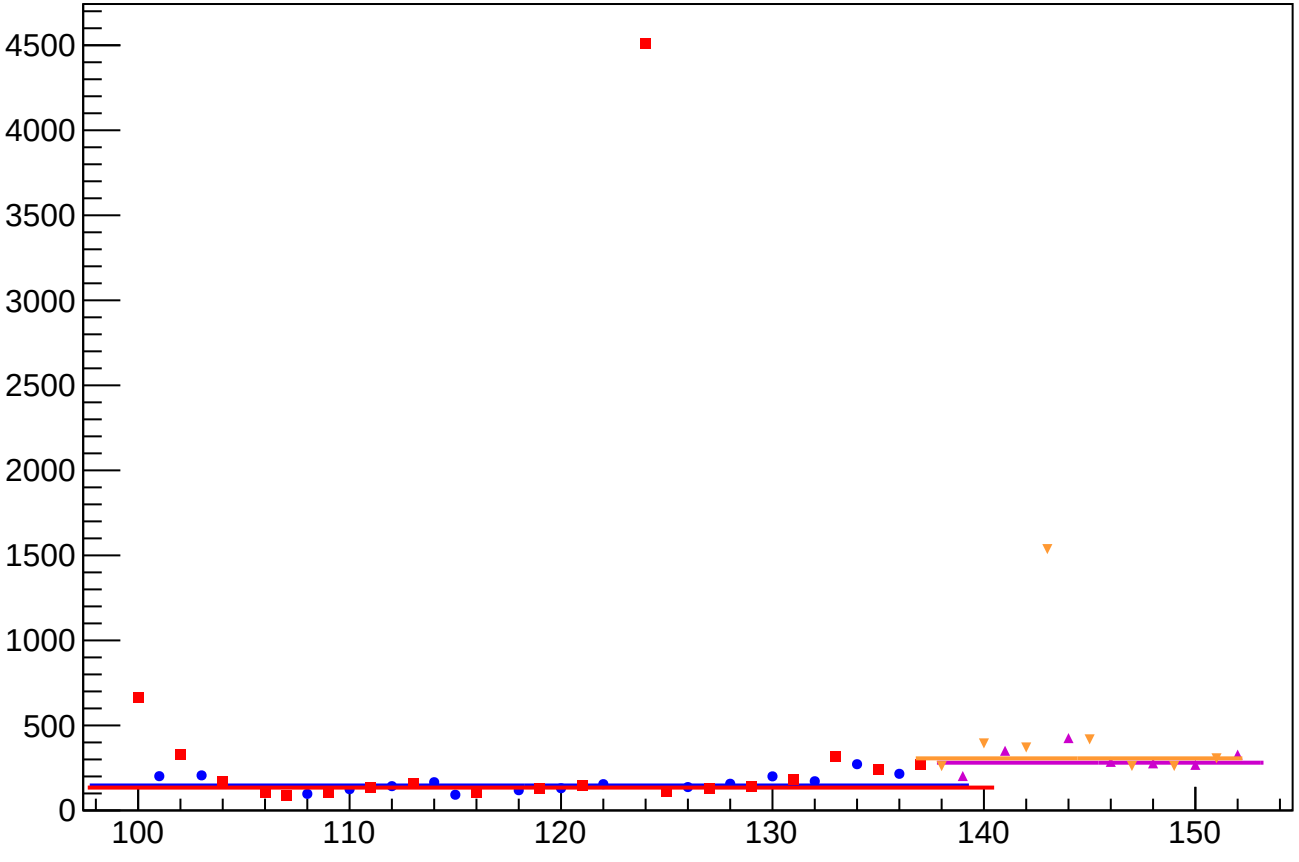
Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: 0.002+/-0.036 χ^2/NDF: 53.4/49

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25

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: 306.407+/-0.093 χ^2/NDF:1411618.5/7

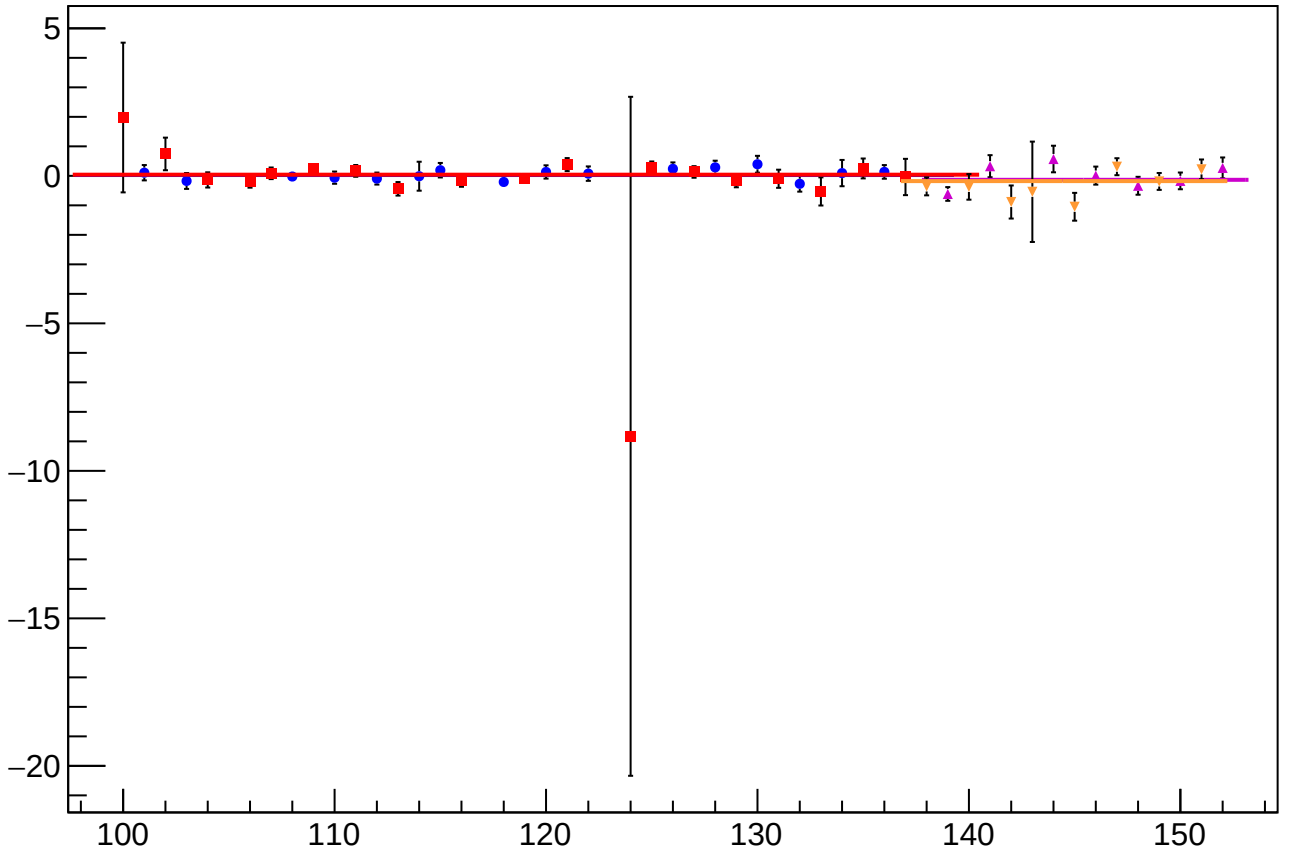
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

+ sign 172.462+/-0.037 χ^2/NDF: 4867386.5/23

All: 166.188+/-0.026 χ^2/NDF: 9622179.4/49

- sign 160.654+/-0.035 χ^2/NDF: 4701774.3/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

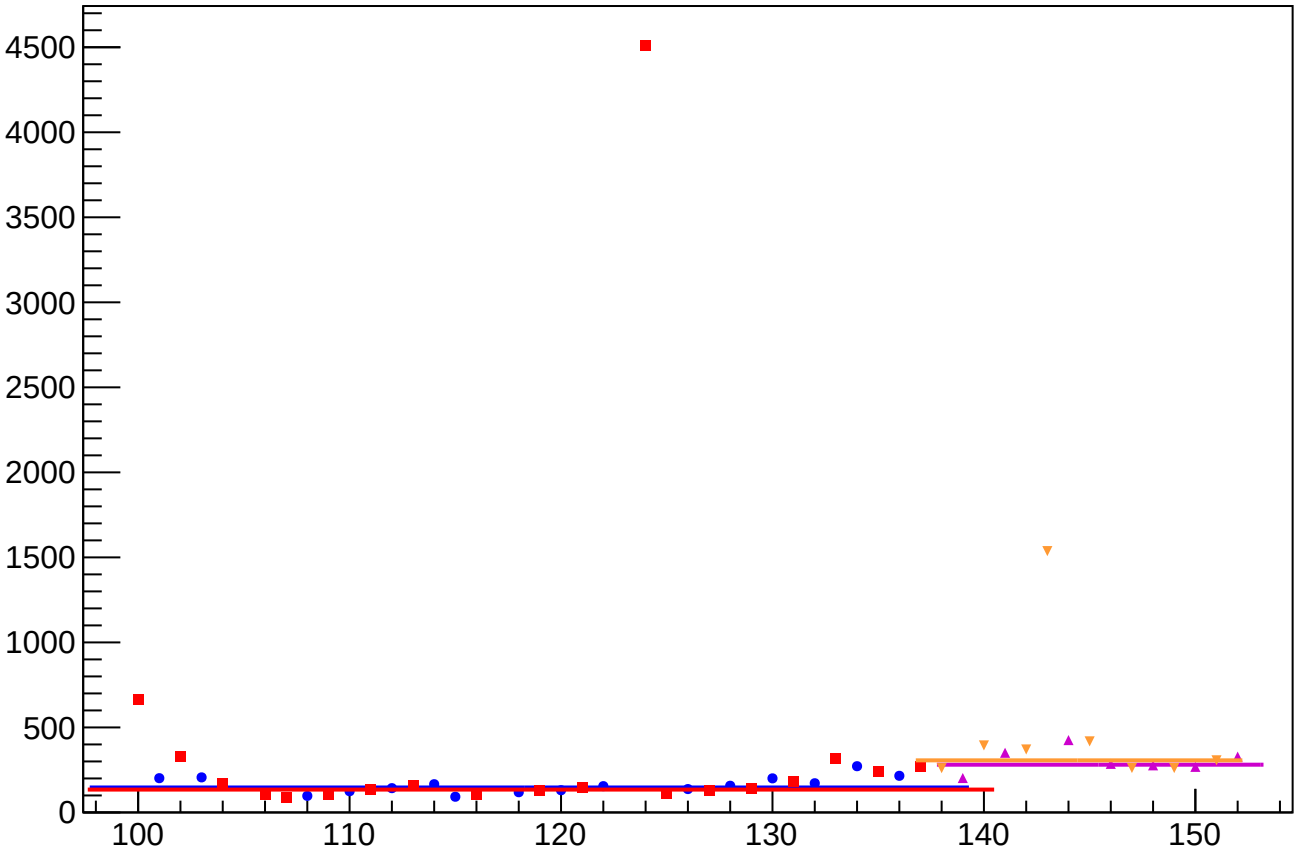
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: 0.002+/-0.036 χ^2/NDF: 53.4/49

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 306.407+/-0.093 χ^2/NDF:1411618.5/7

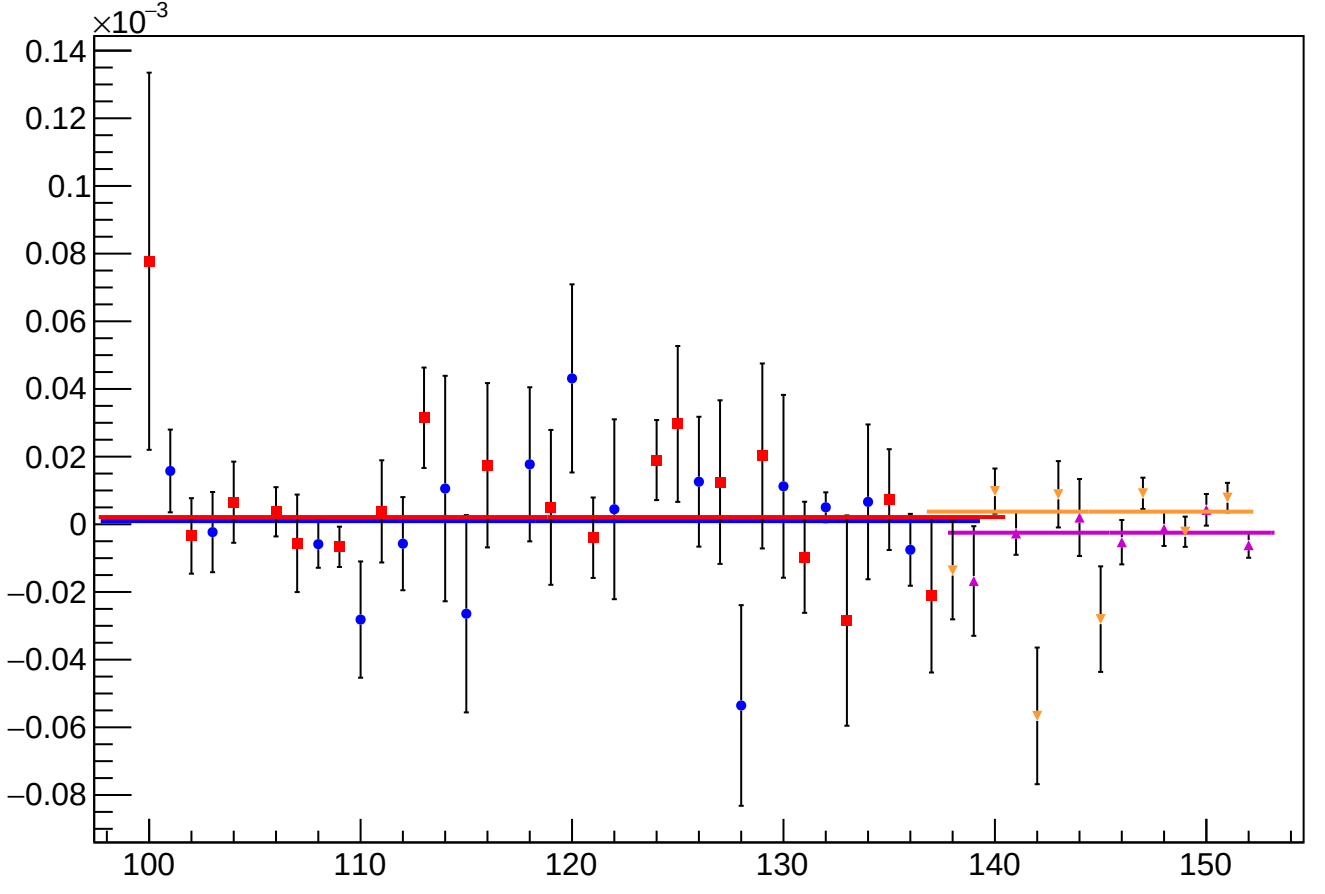
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

+ sign 172.462+/-0.037 χ^2/NDF: 4867386.5/23

All: 166.188+/-0.026 χ^2/NDF: 9622179.4/49

- sign 160.654+/-0.035 χ^2/NDF: 4701774.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/7

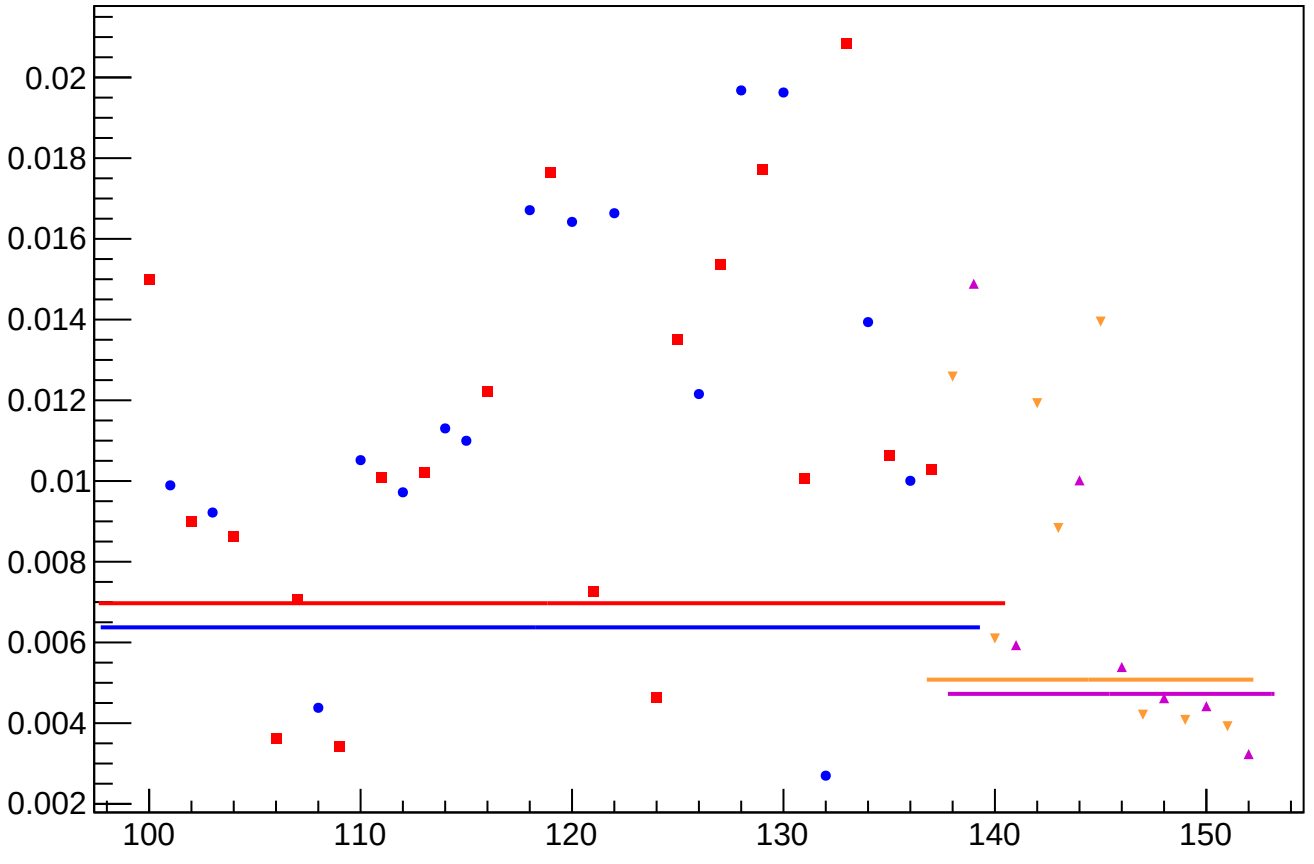
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/23

All: 0.000+/-0.000 χ^2/NDF: 59.0/49

- sign -0.000+/-0.000 χ^2/NDF: 21.8/25



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2067666.8/7

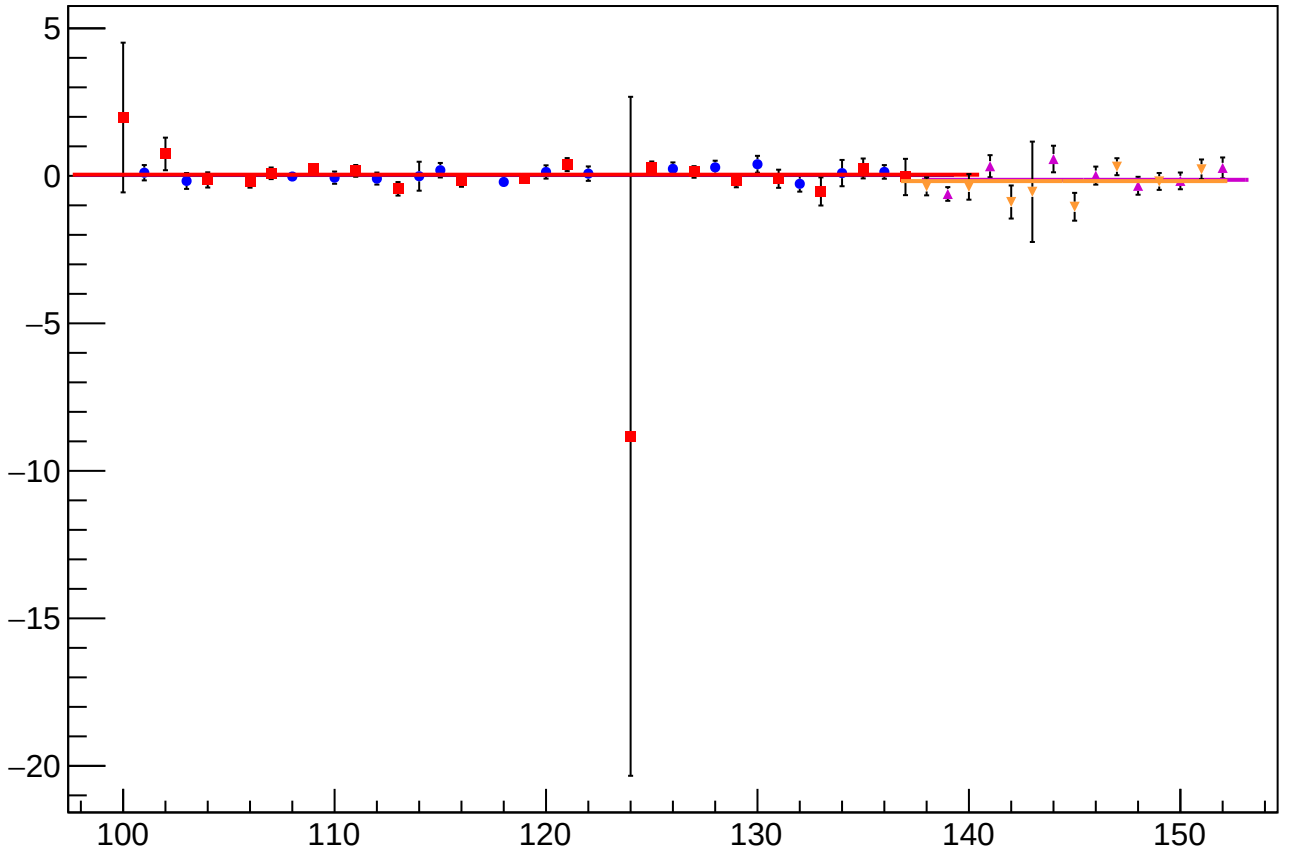
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1642592.5/6

+ sign 0.006+/-0.000 χ^2/NDF: 6951953.1/23

All: 0.006+/-0.000 χ^2/NDF: 12742951.7/49

- sign 0.005+/-0.000 χ^2/NDF: 5788798.5/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

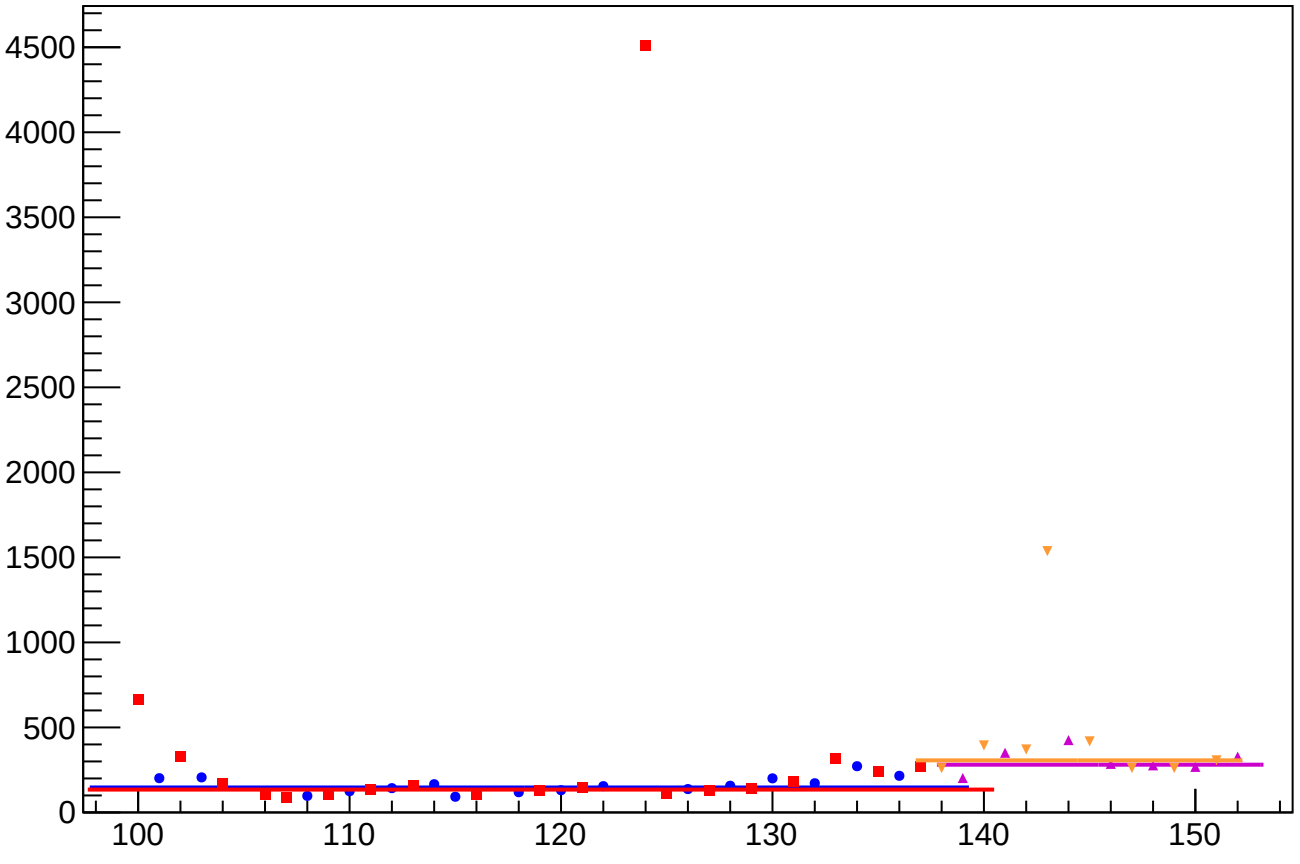
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: 0.002+/-0.036 χ^2/NDF: 53.4/49

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 306.410+/-0.093 χ^2/NDF:1411617.0/7

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

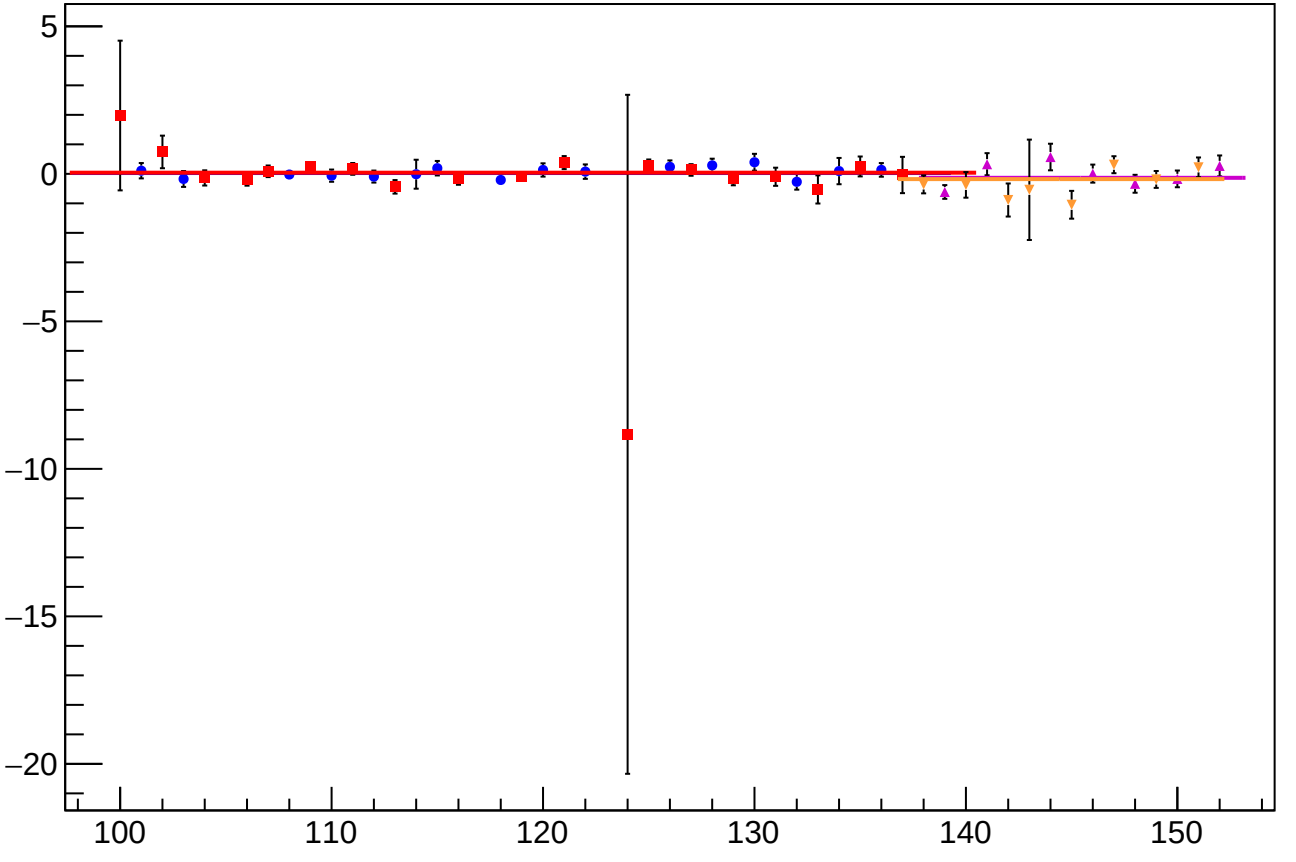
Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

+ sign 172.462+/-0.037 χ^2/NDF: 4867385.2/23

All: 166.189+/-0.026 χ^2/NDF: 9622098.8/49

- sign 160.656+/-0.035 χ^2/NDF: 4701709.0/25

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: -0.178+/-0.132 χ^2/NDF:9.9/7

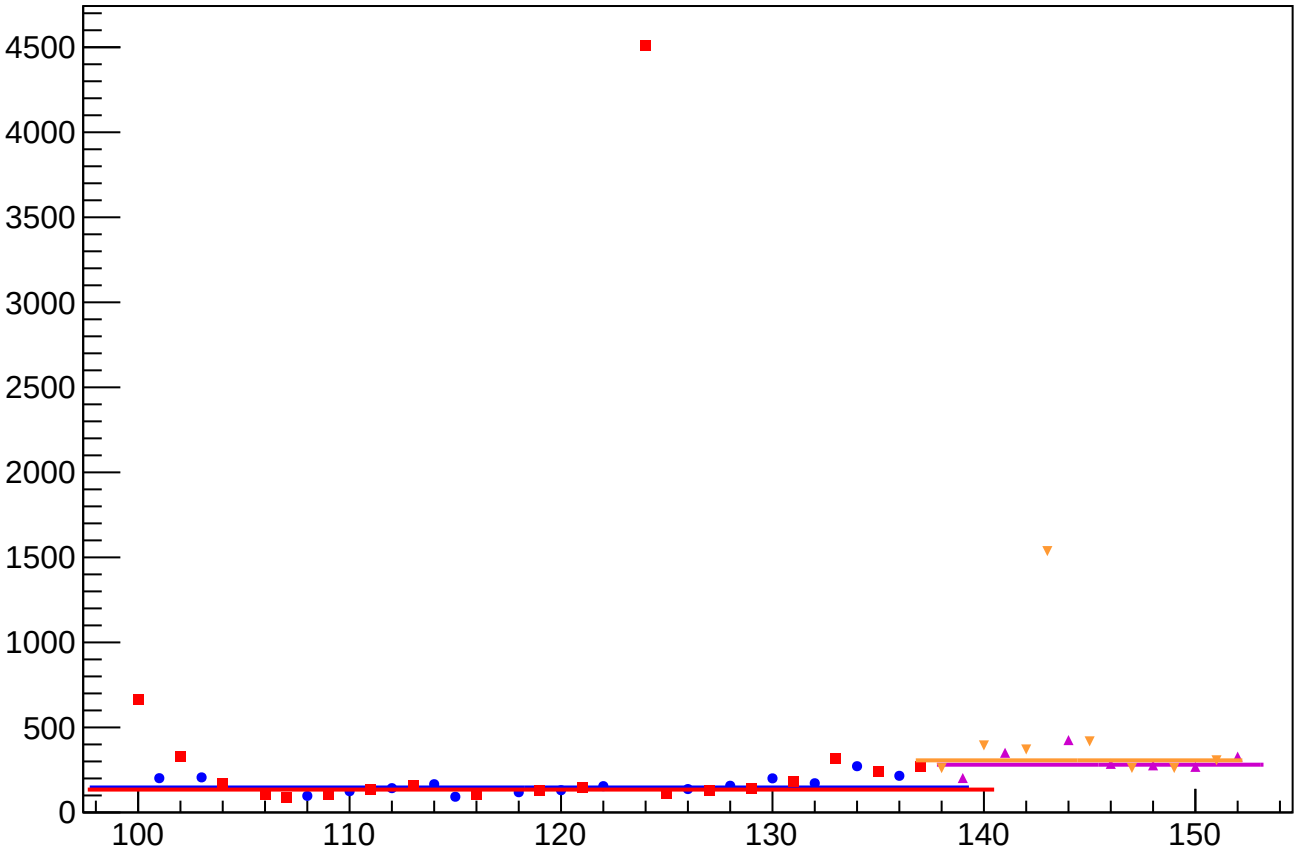
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: 0.002+/-0.036 χ^2/NDF: 53.4/49

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 306.410+/-0.093 χ^2/NDF:1411617.0/7

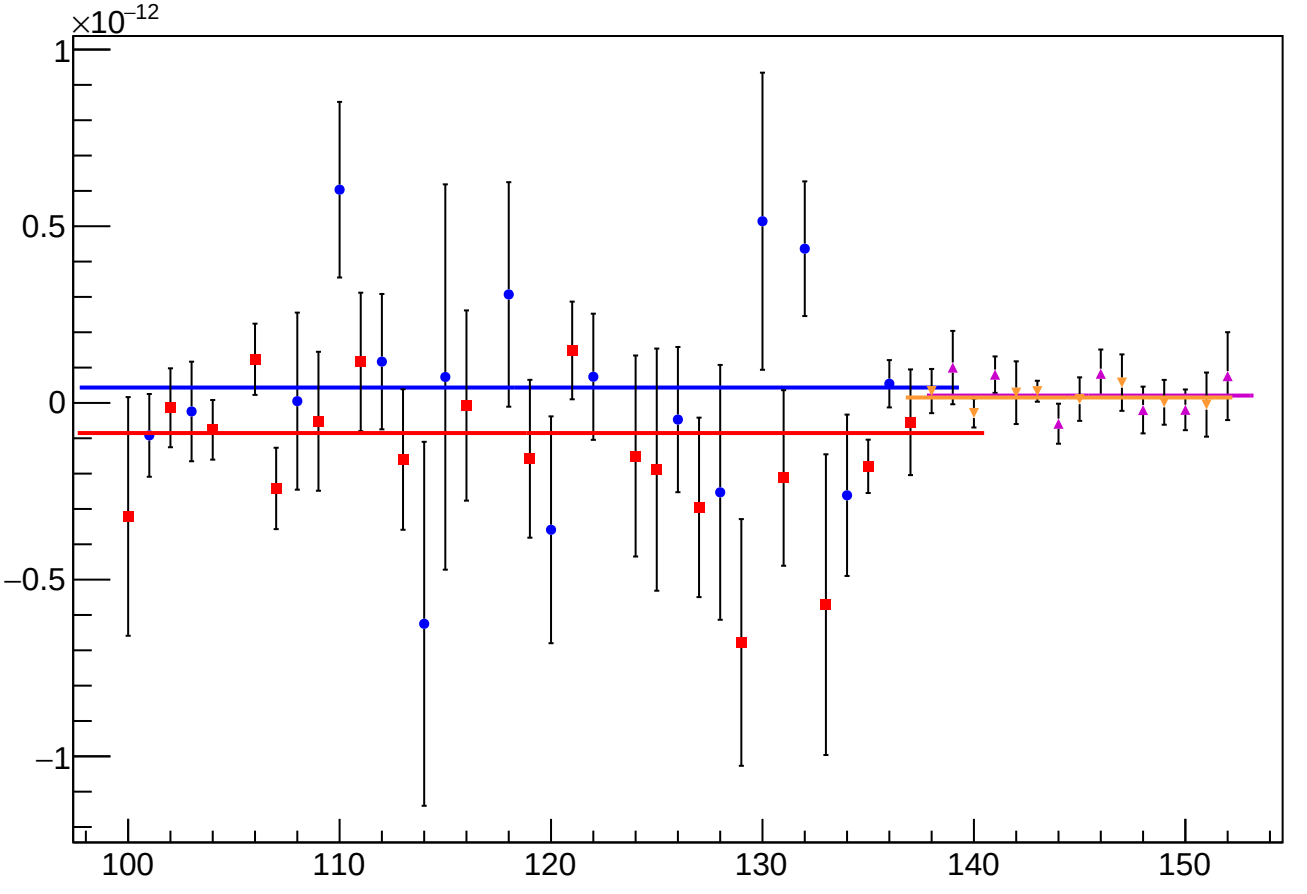
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

+ sign 172.462+/-0.037 χ^2/NDF: 4867385.2/23

All: 166.189+/-0.026 χ^2/NDF: 9622098.8/49

- sign 160.656+/-0.035 χ^2/NDF: 4701709.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/7

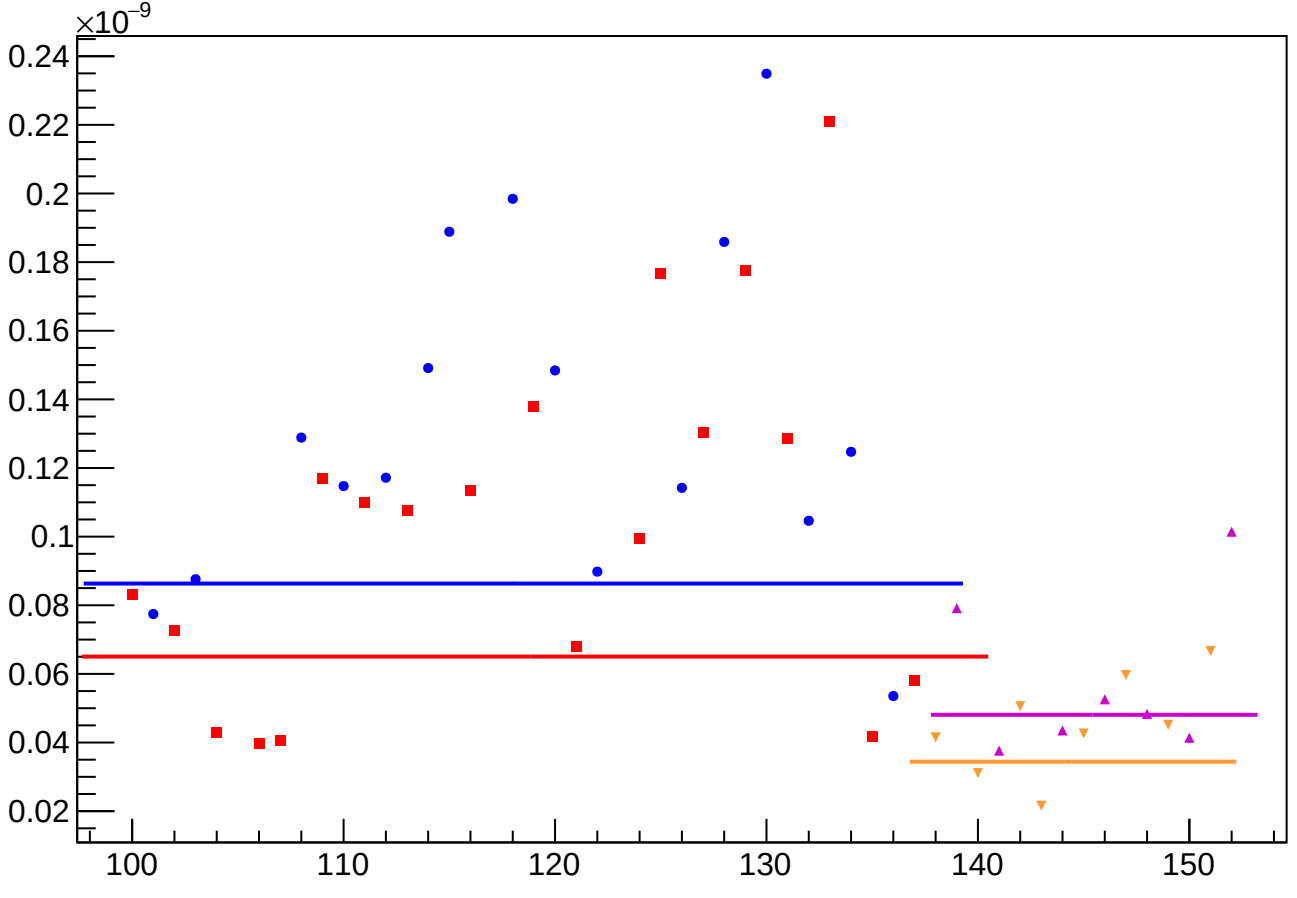
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/23

All: 0.000+/-0.000 χ^2/NDF: 53.4/49

- sign -0.000+/-0.000 χ^2/NDF: 30.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1026181.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

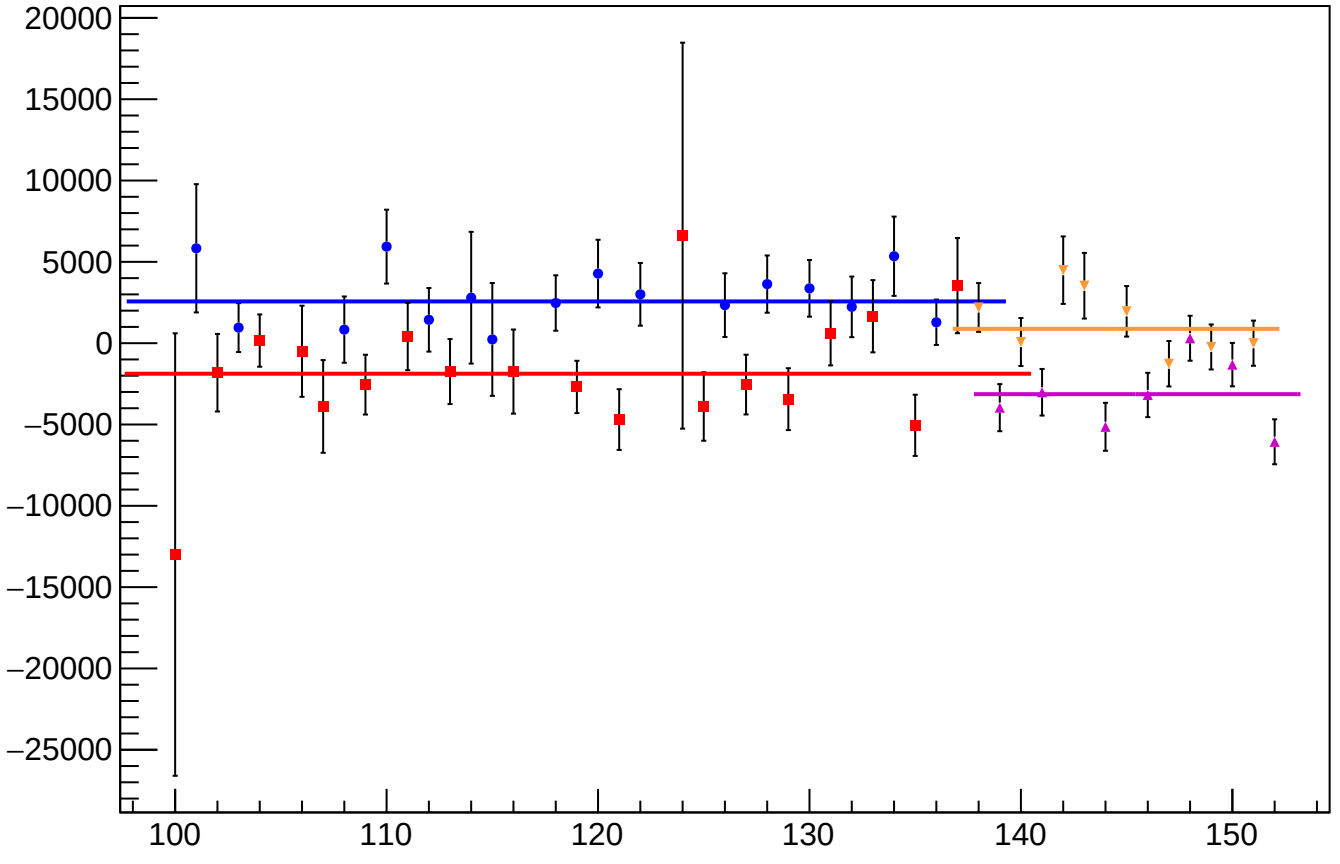
Left In: 0.000+/-0.000 χ^2/NDF:678131.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 5075363.8/23

All: 0.000+/-0.000 χ^2/NDF: 8602072.4/49

- sign 0.000+/-0.000 χ^2/NDF: 3156692.4/25

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 883.946+/-546.481 χ^2/NDF:9.7/7

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

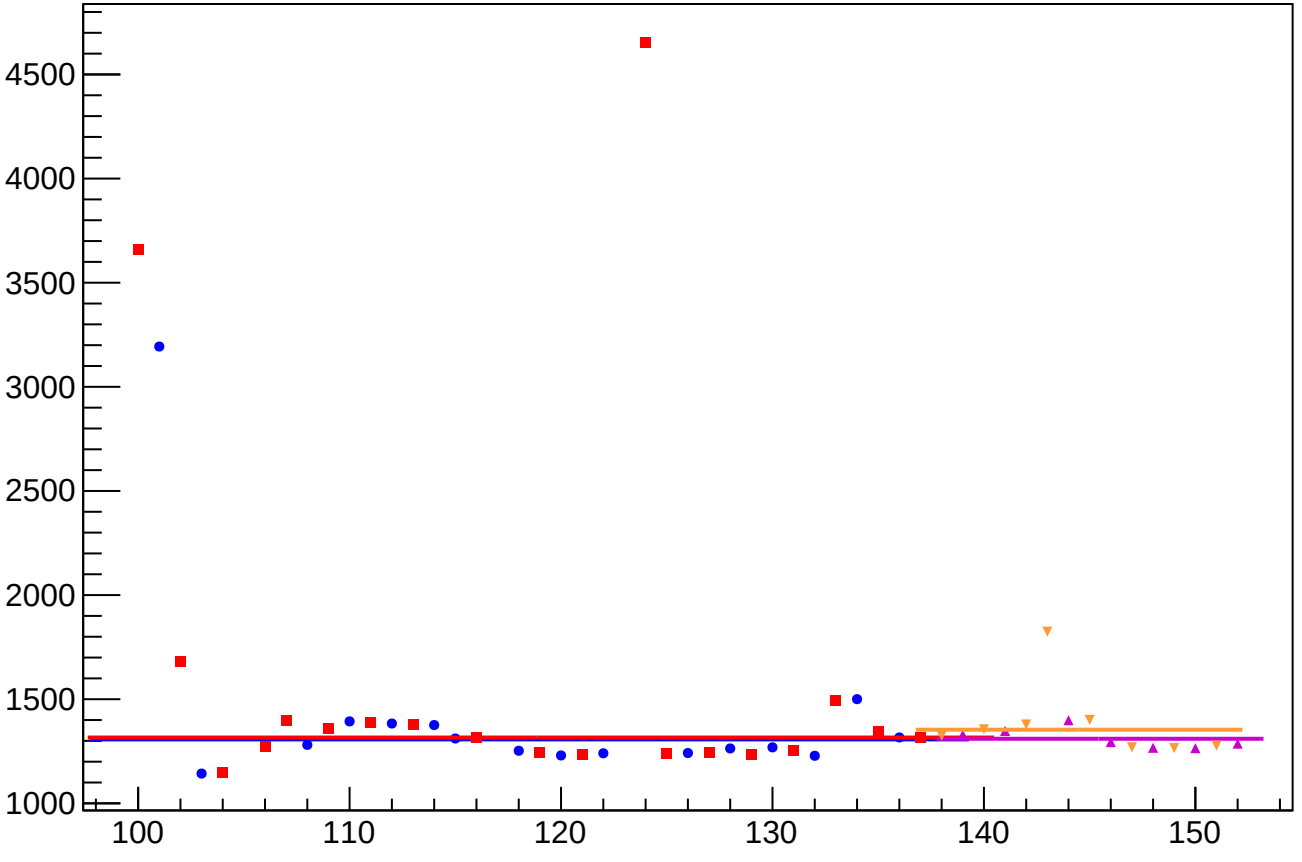
Left In: -3135.250+/-529.093 χ^2/NDF:14.7/6

+ sign 1808.104+/-367.020 χ^2/NDF: 24.0/23

All: -361.380+/-257.498 χ^2/NDF: 130.1/49

- sign -2464.477+/-361.361 χ^2/NDF: 37.3/25

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1353.586+/-0.386 χ^2/NDF:132870.4/7

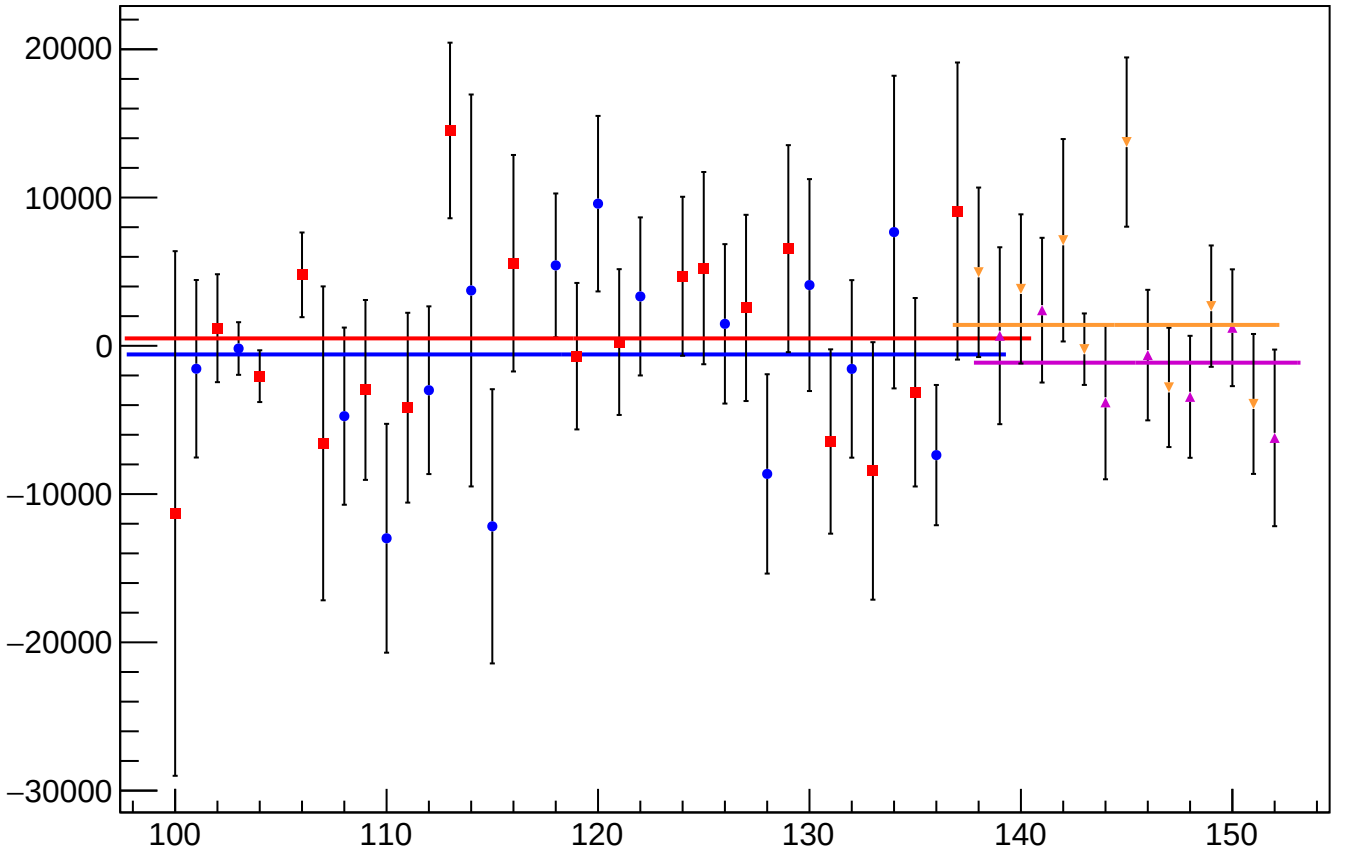
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1310.053+/-0.374 χ^2/NDF:14118.1/6

+ sign 1328.050+/-0.260 χ^2/NDF: 657074.8/23

All: 1320.516+/-0.182 χ^2/NDF: 999405.5/49

- sign 1313.233+/-0.255 χ^2/NDF: 340673.2/25



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 1409.211+/-1473.261 χ^2/NDF:8.9/7

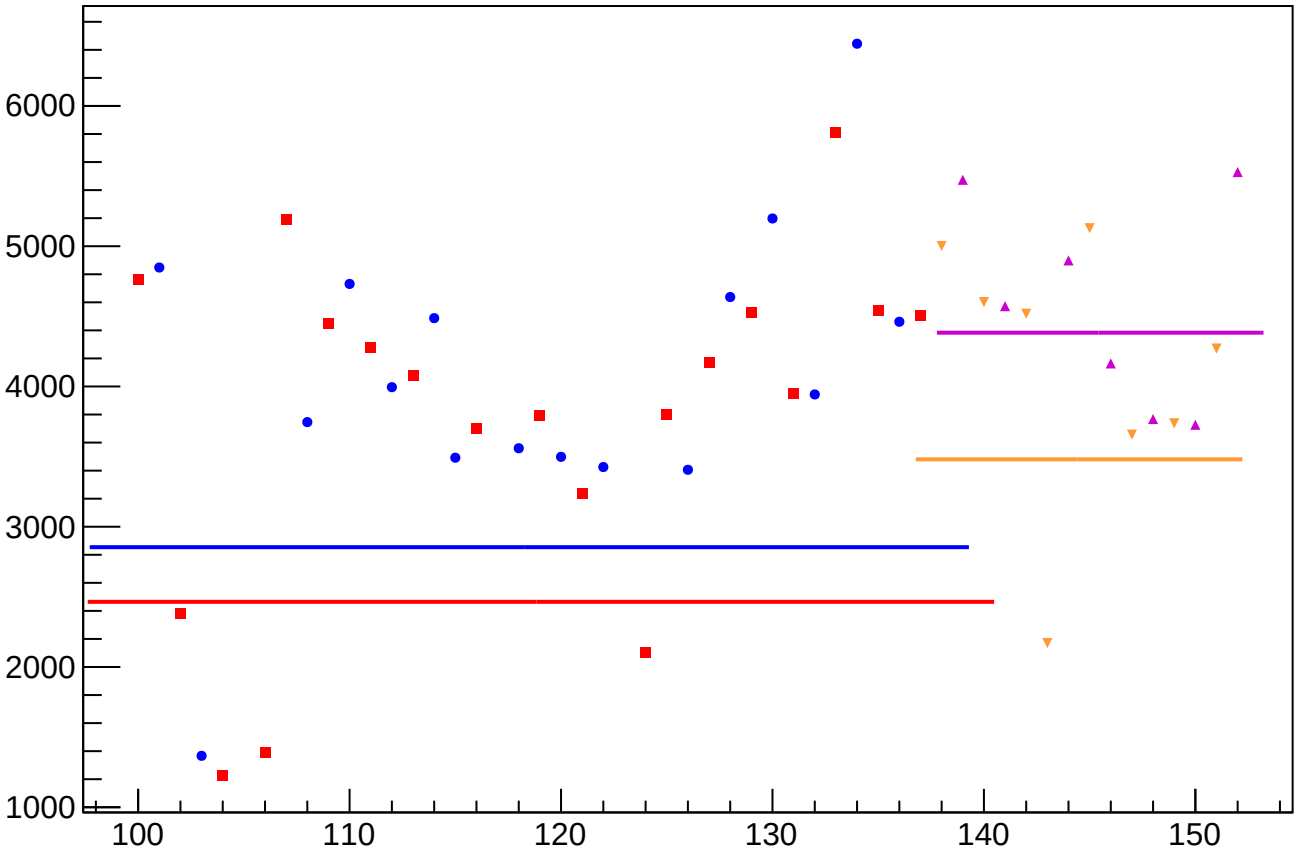
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -1138.160+/-1794.676 χ^2/NDF:2.3/6

+ sign 206.605+/-927.078 χ^2/NDF: 24.8/23

All: 141.654+/-649.338 χ^2/NDF: 45.4/49

- sign 79.105+/-909.772 χ^2/NDF: 20.6/25



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3480.578+/-1.042 χ^2/NDF:1112165.1/7

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

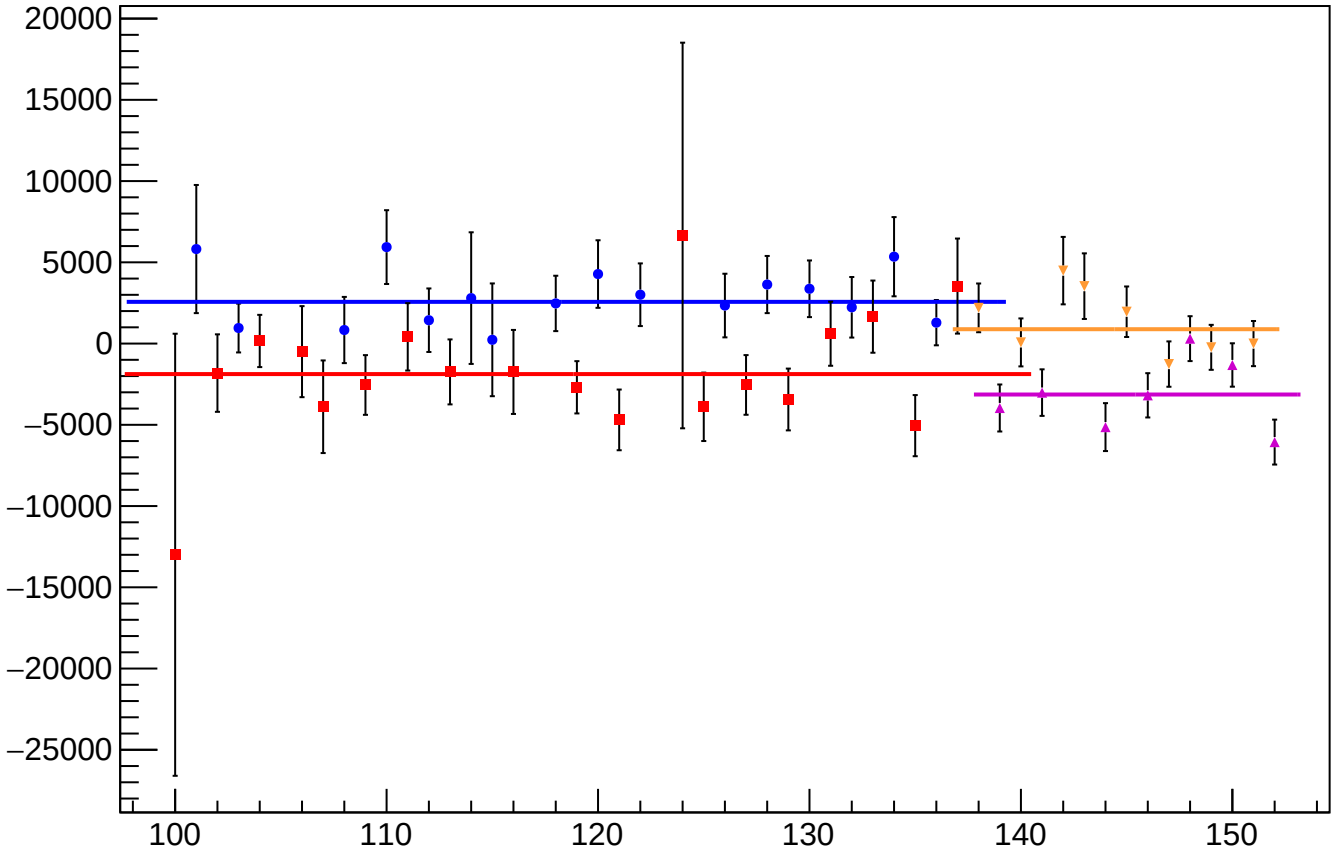
Left In: 4383.468+/-1.269 χ^2/NDF:268732.7/6

+ sign 3102.293+/-0.656 χ^2/NDF: 4235289.0/23

All: 3028.633+/-0.459 χ^2/NDF: 9583599.9/49

- sign 2957.698+/-0.643 χ^2/NDF: 5323526.4/25

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 883.858+/-546.481 χ^2/NDF:9.7/7

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

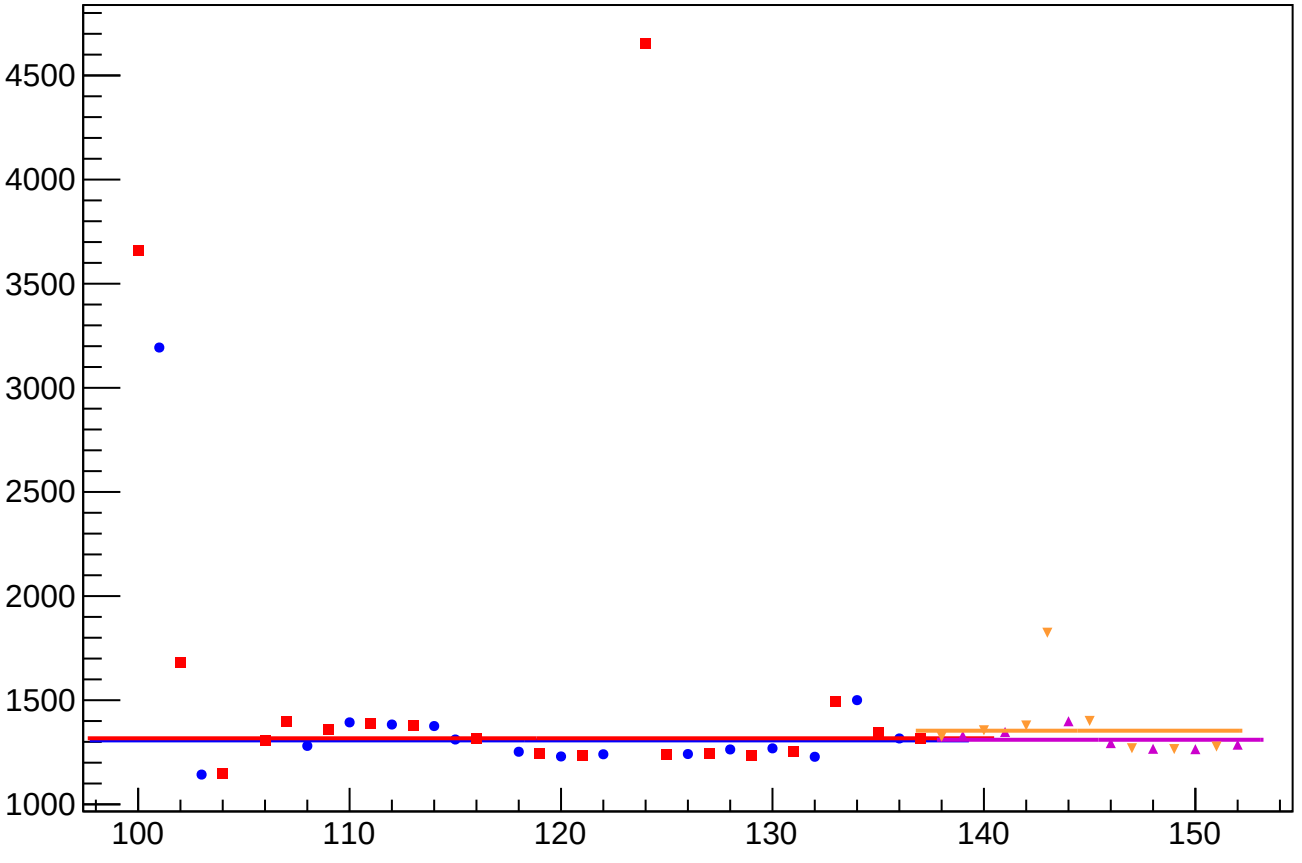
Left In: -3135.447+/-529.093 χ^2/NDF:14.7/6

+ sign 1807.910+/-367.020 χ^2/NDF: 24.0/23

All: -361.453+/-257.498 χ^2/NDF: 130.0/49

- sign -2464.433+/-361.361 χ^2/NDF: 37.3/25

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1353.586+/-0.386 χ^2/NDF:132870.4/7

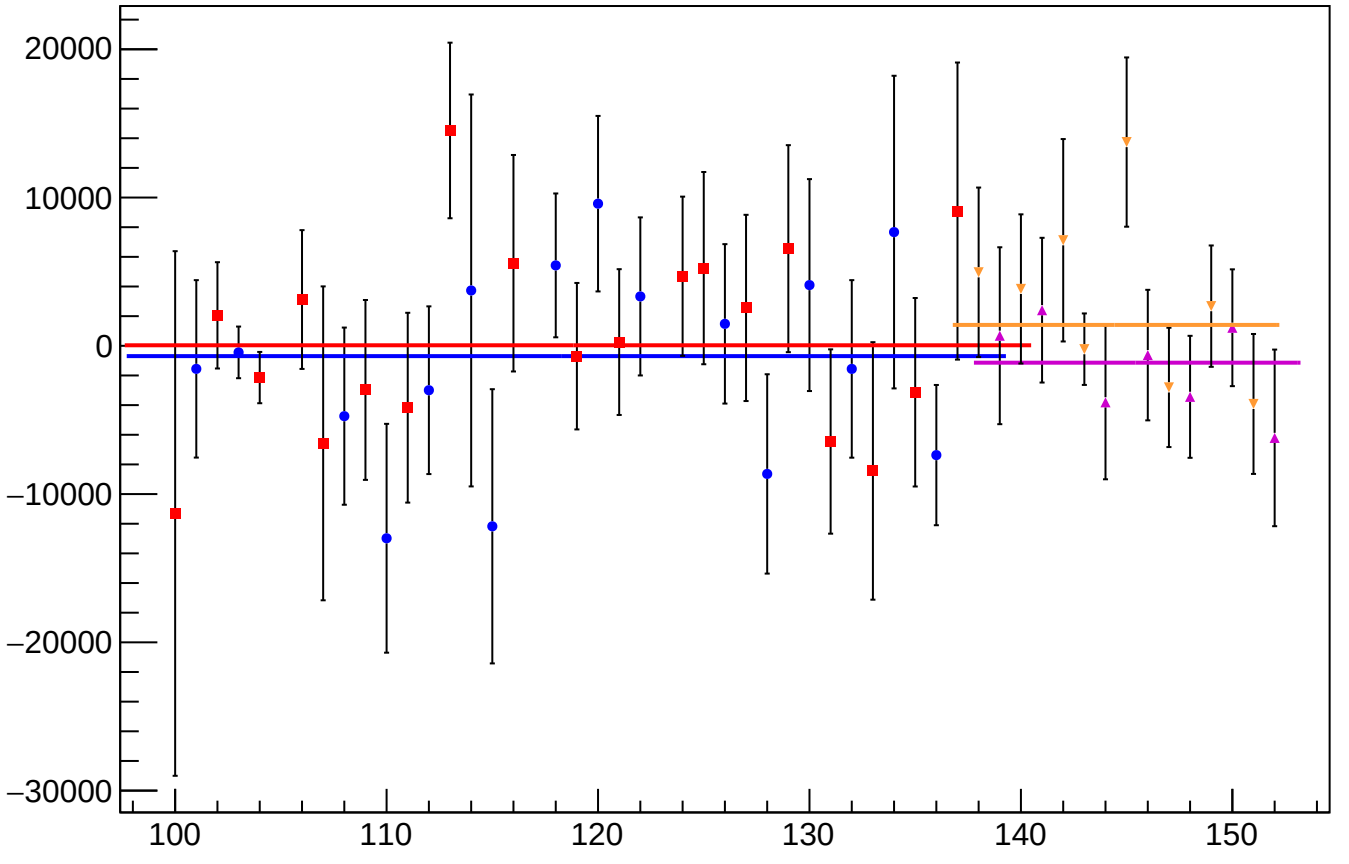
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1310.053+/-0.374 χ^2/NDF:14118.1/6

\+ sign 1328.050+/-0.260 χ^2/NDF: 657076.4/23

All: 1320.825+/-0.182 χ^2/NDF: 998837.5/49

\- sign 1313.835+/-0.255 χ^2/NDF: 340236.0/25



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1409.156+/-1473.253 χ^2/NDF:8.9/7

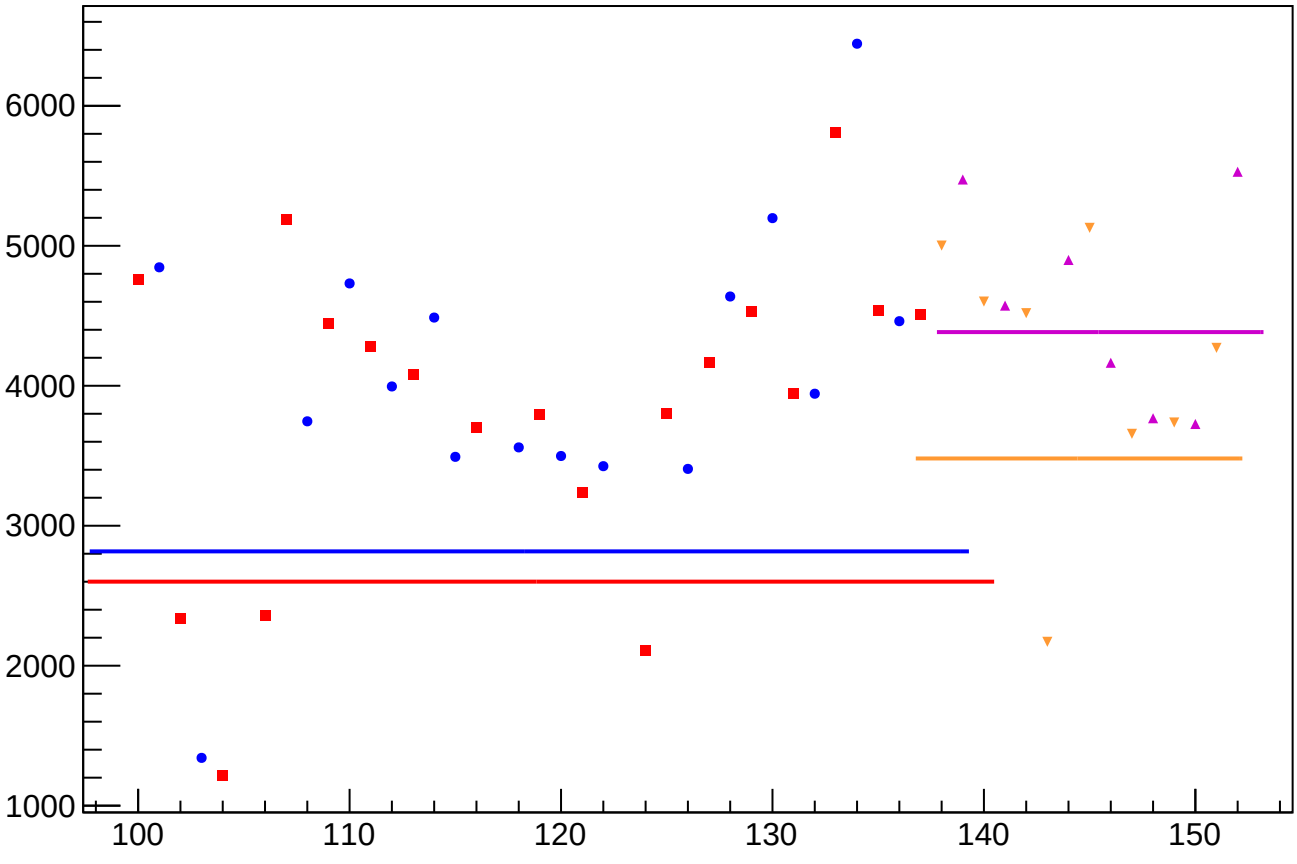
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1138.228+/-1794.676 χ^2/NDF:2.3/6

+ sign 129.234+/-922.154 χ^2/NDF: 24.8/23

All: -74.052+/-657.158 χ^2/NDF: 43.5/49

- sign -283.820+/-936.740 χ^2/NDF: 18.5/25



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3480.552+/-1.042 χ^2/NDF:1112201.1/7

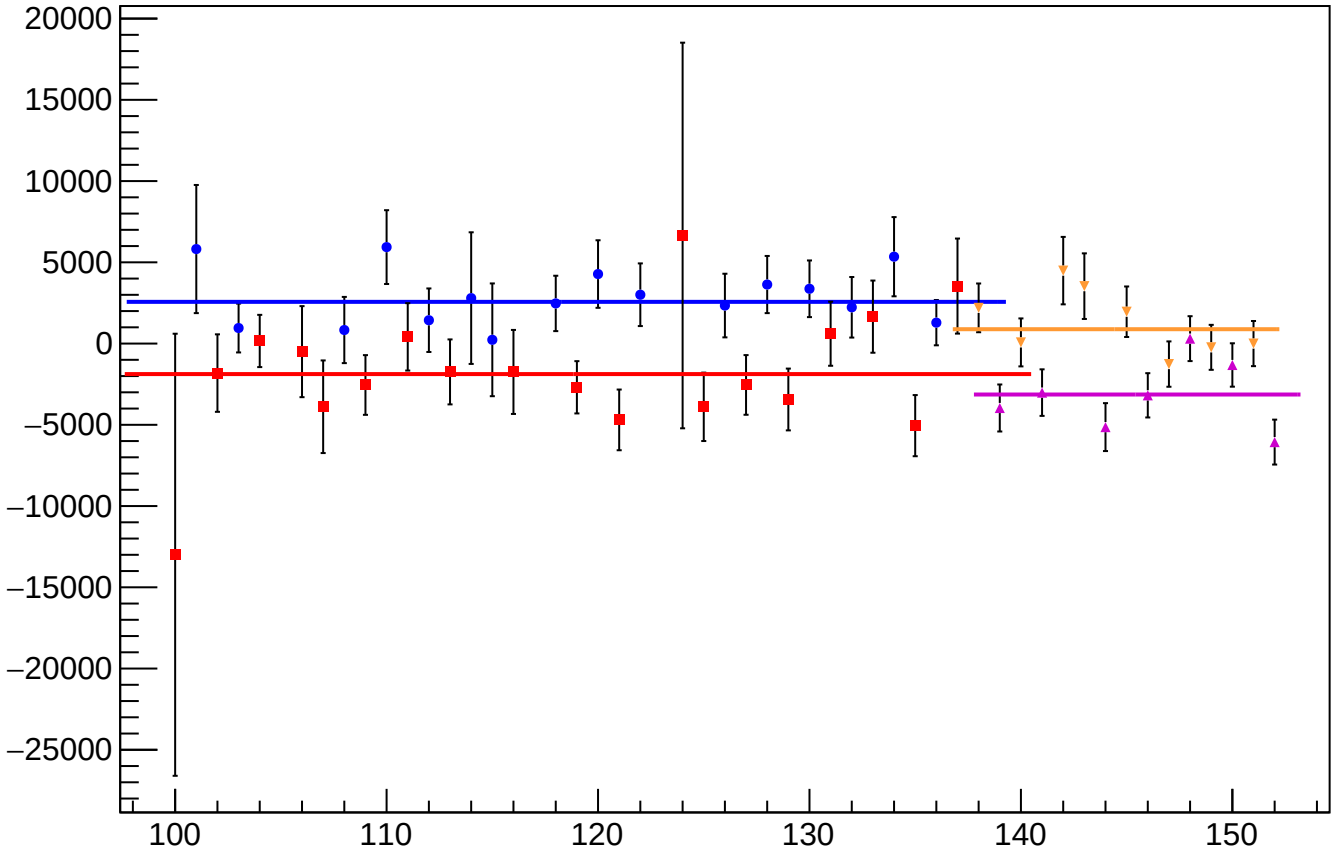
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4383.468+/-1.269 χ^2/NDF:268735.0/6

+ sign 3076.841+/-0.652 χ^2/NDF: 4366694.7/23

All: 3081.479+/-0.465 χ^2/NDF: 9152466.5/49

- sign 3086.265+/-0.662 χ^2/NDF: 4785669.0/25



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 883.858+/-546.481 χ^2/NDF:9.7/7

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

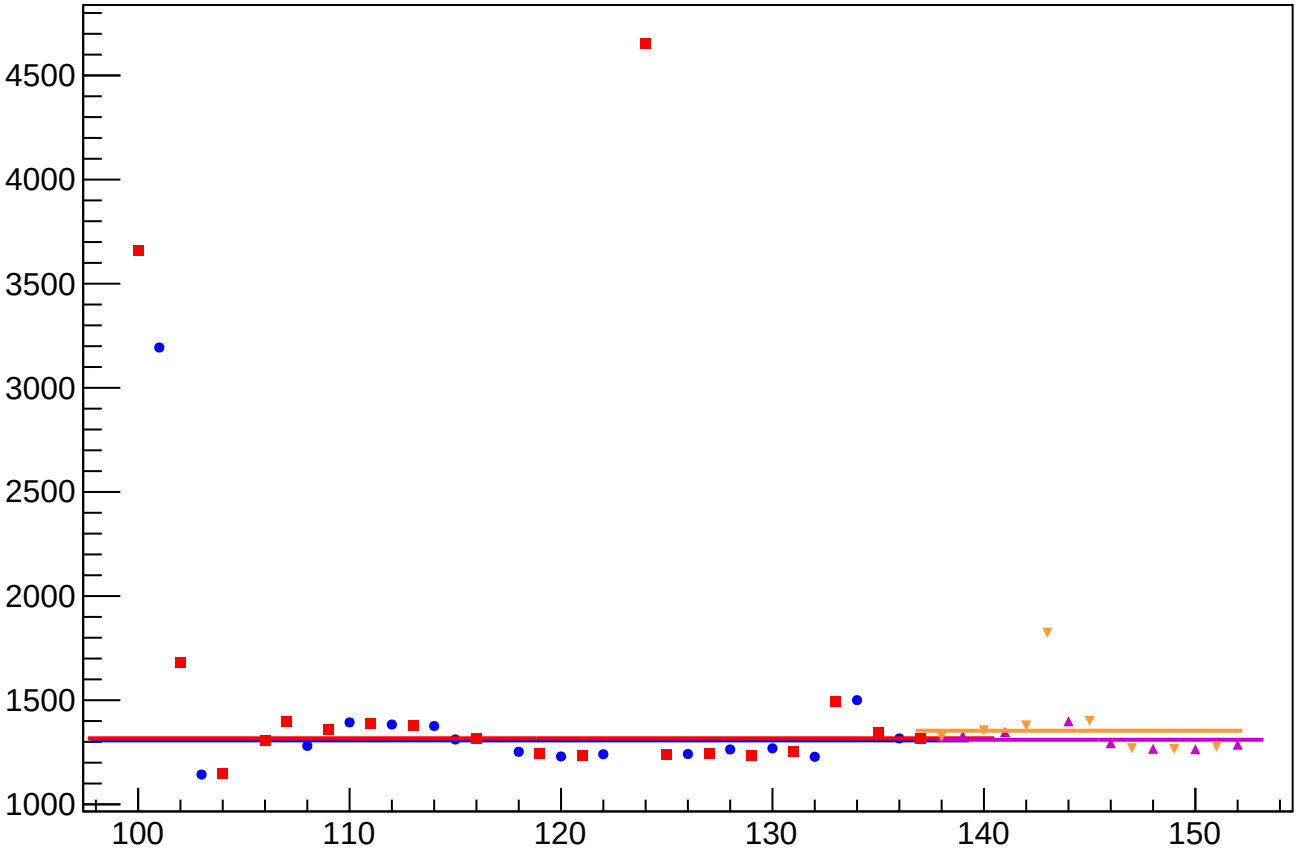
Left In: -3135.447+/-529.093 χ^2/NDF:14.7/6

+ sign 1807.910+/-367.020 χ^2/NDF: 24.0/23

All: -361.453+/-257.498 χ^2/NDF: 130.0/49

- sign -2464.433+/-361.361 χ^2/NDF: 37.3/25

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: 1353.586+/-0.386 χ^2/NDF:132870.4/7

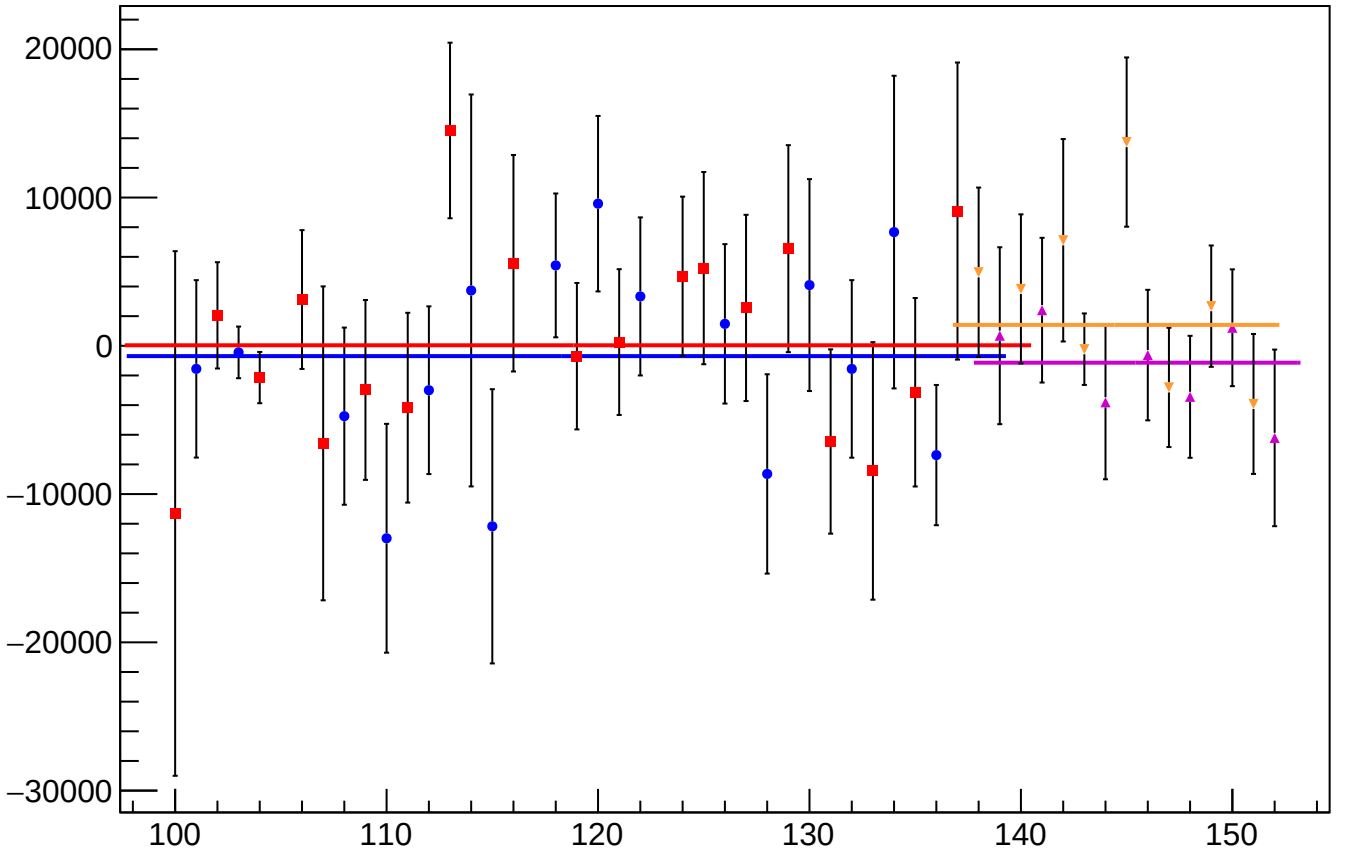
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1310.053+/-0.374 χ^2/NDF:14118.1/6

\+ sign 1328.050+/-0.260 χ^2/NDF: 657076.4/23

All: 1320.825+/-0.182 χ^2/NDF: 998837.5/49

\- sign 1313.835+/-0.255 χ^2/NDF: 340236.0/25



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1409.156+/-1473.253 χ^2/NDF:8.9/7

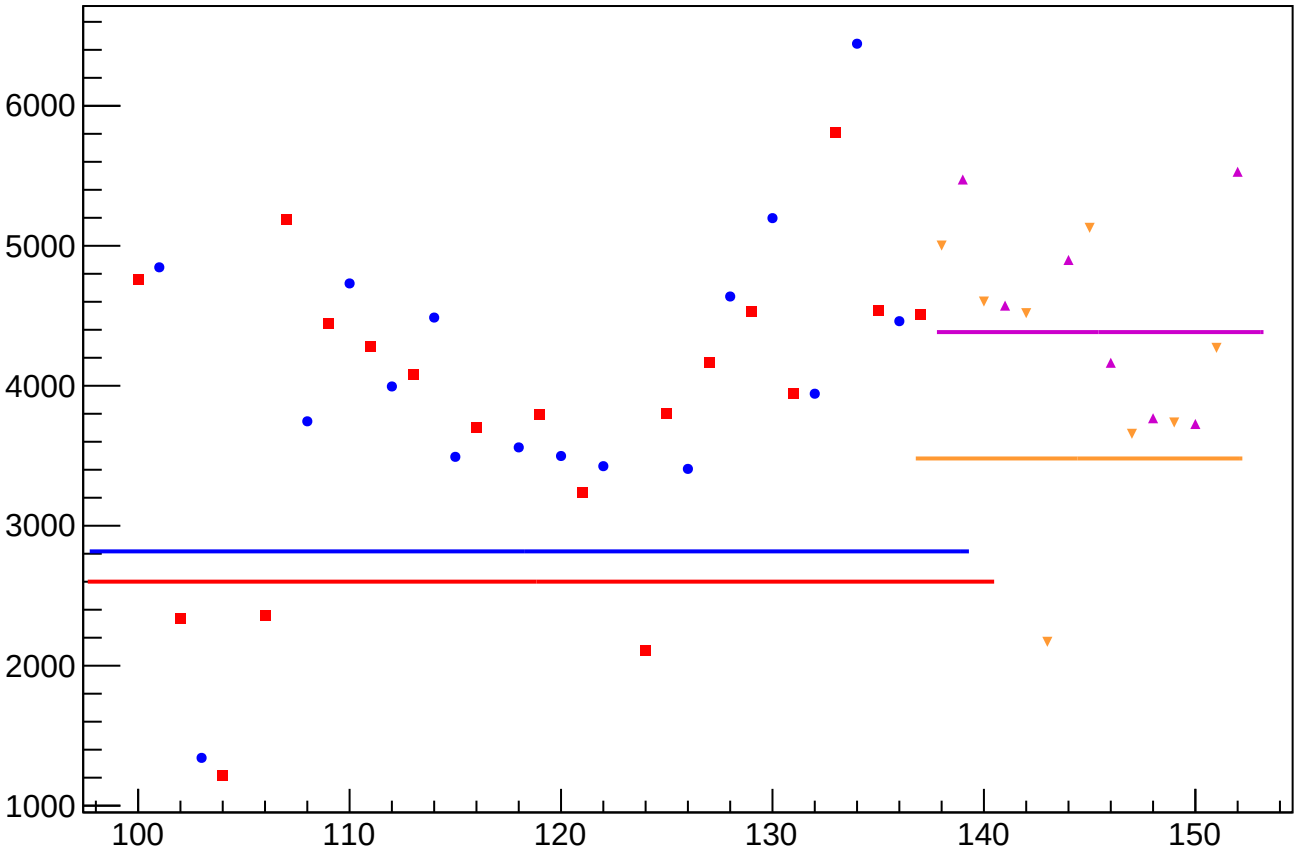
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1138.228+/-1794.676 χ^2/NDF:2.3/6

+ sign 129.234+/-922.154 χ^2/NDF: 24.8/23

All: -74.052+/-657.158 χ^2/NDF: 43.5/49

- sign -283.820+/-936.740 χ^2/NDF: 18.5/25



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3480.552+/-1.042 χ^2/NDF:1112201.1/7

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

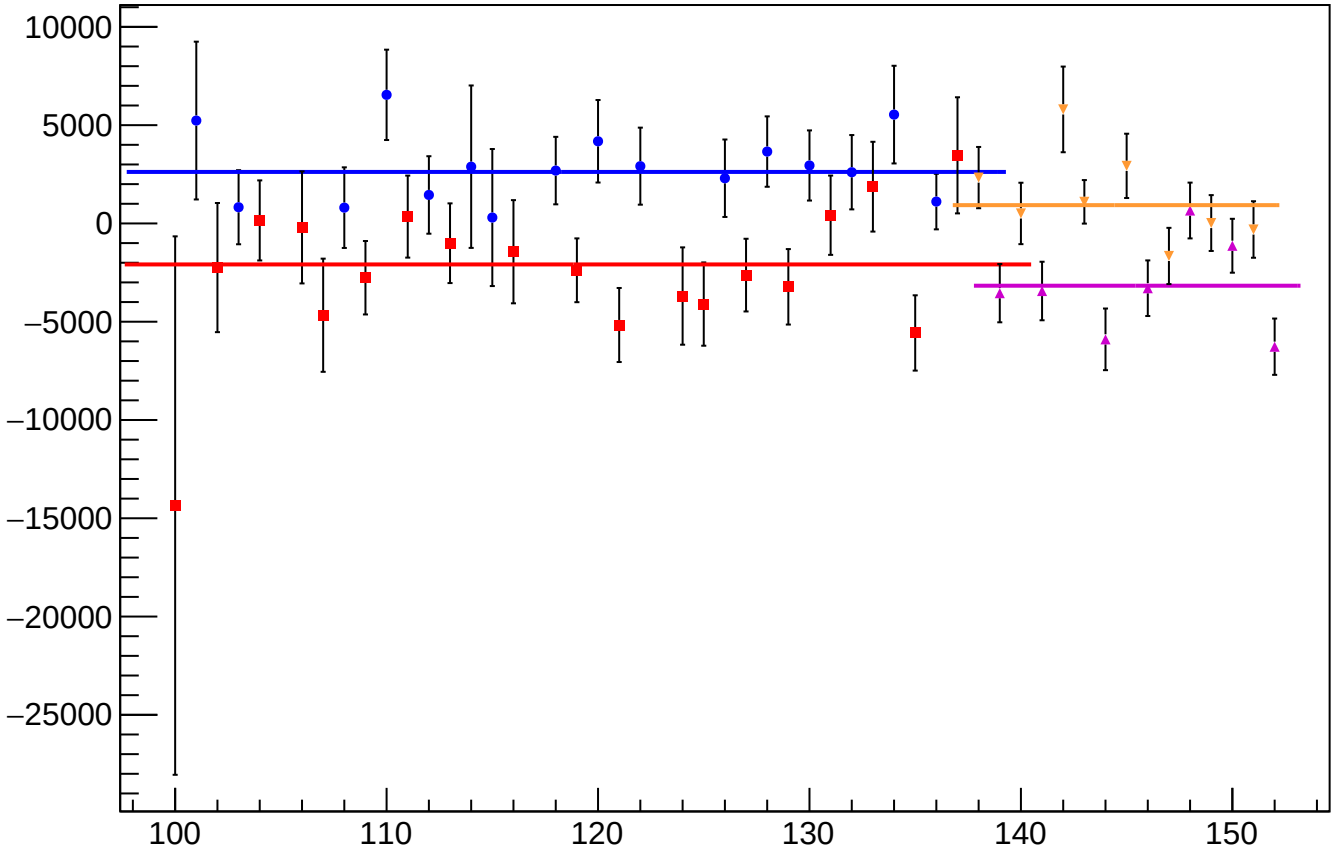
Left In: 4383.468+/-1.269 χ^2/NDF:268735.0/6

+ sign 3076.841+/-0.652 χ^2/NDF: 4366694.7/23

All: 3081.479+/-0.465 χ^2/NDF: 9152466.5/49

- sign 3086.265+/-0.662 χ^2/NDF: 4785669.0/25

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 930.536+/-520.592 χ^2/NDF:11.8/7

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

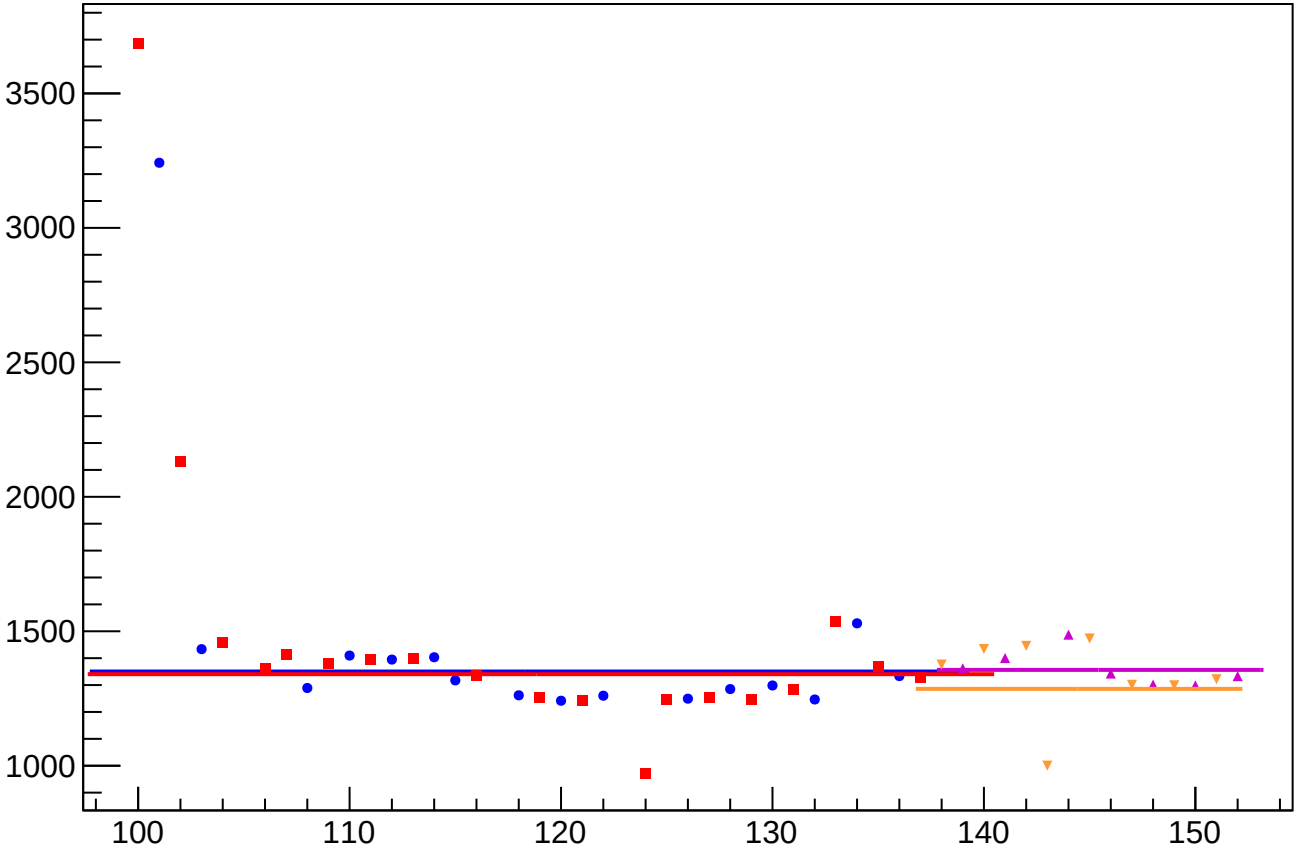
Left In: -3168.252+/-548.102 χ^2/NDF:17.3/6

+ sign 1790.406+/-364.861 χ^2/NDF: 26.5/23

All: -357.577+/-260.257 χ^2/NDF: 137.4/49

- sign -2582.557+/-371.343 χ^2/NDF: 40.4/25

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1285.830+/-0.368 χ^2/NDF:196412.1/7

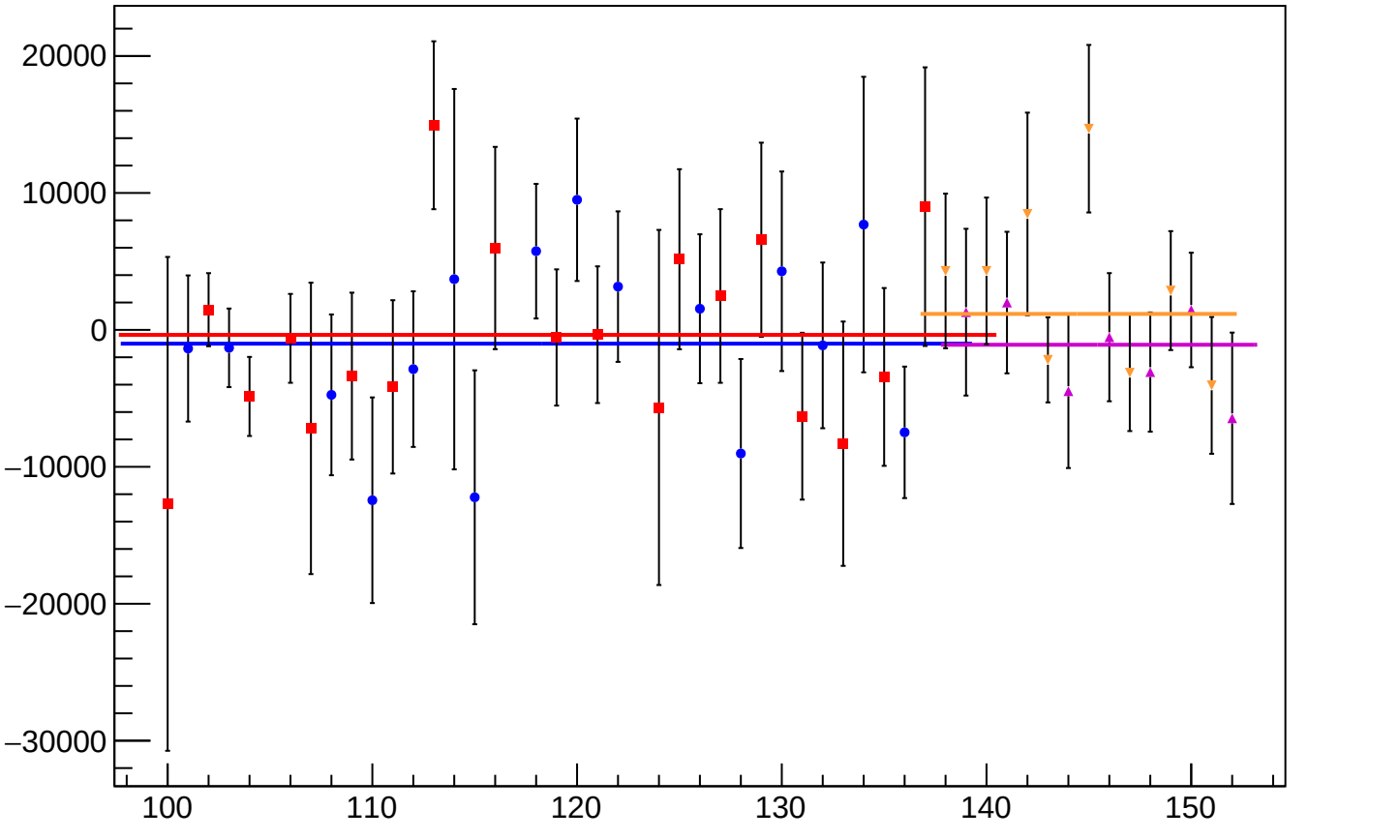
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1356.451+/-0.388 χ^2/NDF:22987.7/6

+ sign 1318.667+/-0.258 χ^2/NDF: 706102.9/23

All: 1332.972+/-0.184 χ^2/NDF: 1008455.3/49

- sign 1347.778+/-0.262 χ^2/NDF: 296096.4/25



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 1166.123+/-1659.914 χ^2/NDF:9.9/7

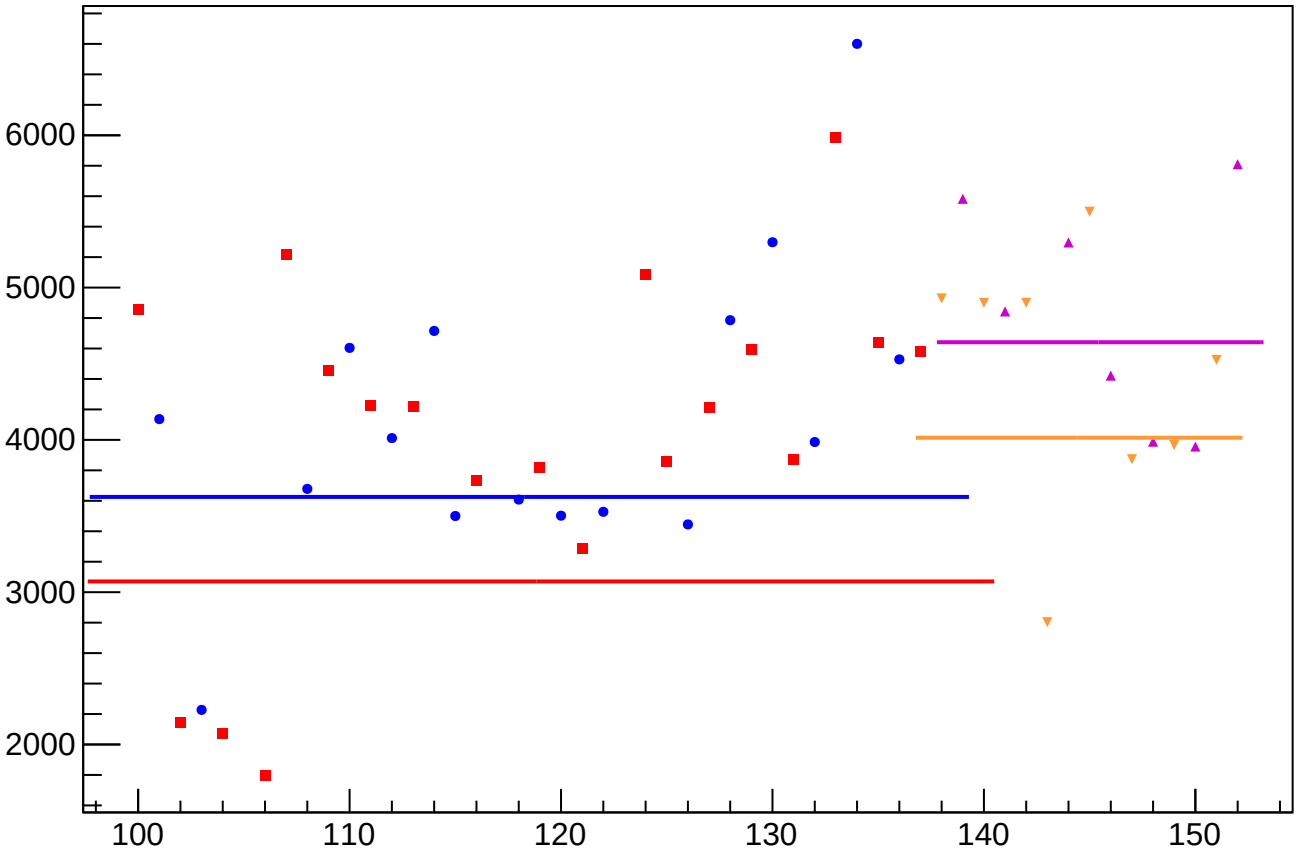
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -1085.611+/-1899.017 χ^2/NDF:2.2/6

+ sign -100.202+/-1072.171 χ^2/NDF: 25.5/23

All: -348.207+/-737.458 χ^2/NDF: 44.2/49

- sign -570.883+/-1015.945 χ^2/NDF: 18.5/25



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4014.165+/-1.174 χ^2/NDF:580731.6/7

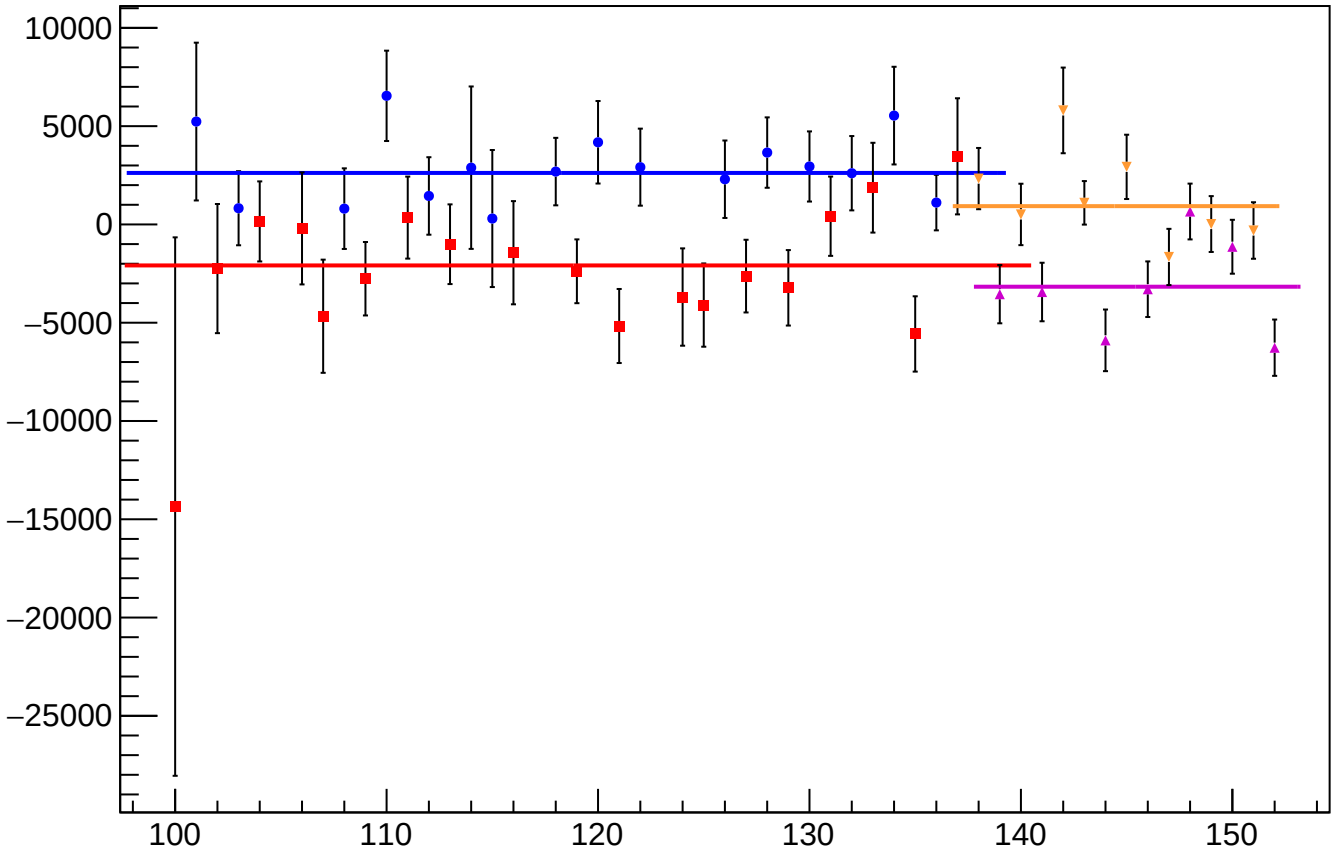
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4641.157+/-1.343 χ^2/NDF:250897.8/6

+ sign 3787.663+/-0.758 χ^2/NDF: 1589535.8/23

All: 3646.626+/-0.521 χ^2/NDF: 4721420.1/49

- sign 3519.994+/-0.718 χ^2/NDF: 3066204.7/25



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 930.537+/-520.593 χ^2/NDF:11.8/7

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

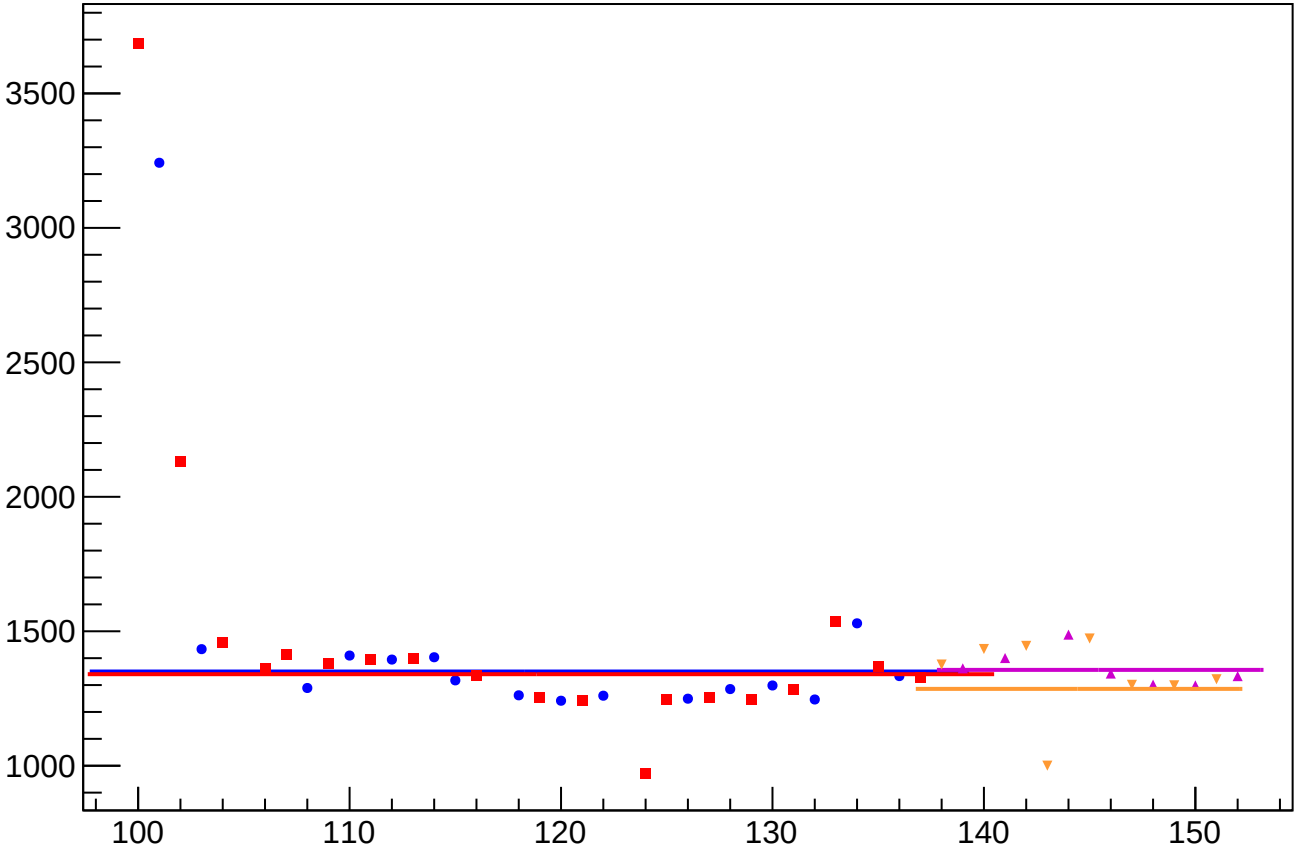
Left In: -3168.250+/-548.103 χ^2/NDF:17.3/6

+ sign 1790.407+/-364.861 χ^2/NDF: 26.5/23

All: -357.576+/-260.257 χ^2/NDF: 137.4/49

- sign -2582.556+/-371.343 χ^2/NDF: 40.4/25

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: 1285.831+/-0.368 χ^2/NDF:196412.3/7

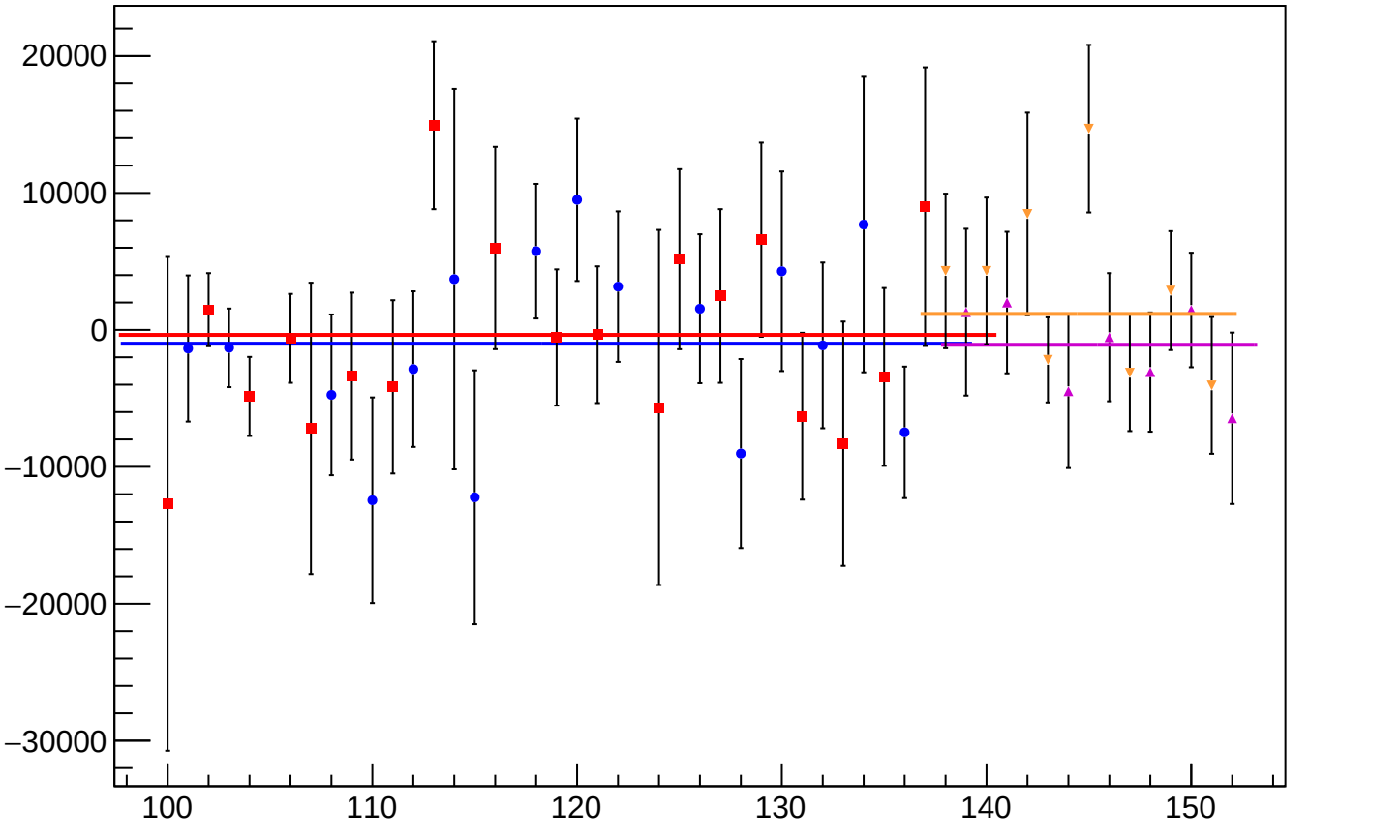
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1356.453+/-0.388 χ^2/NDF:22988.0/6

+ sign 1318.668+/-0.258 χ^2/NDF: 706102.5/23

All: 1332.972+/-0.184 χ^2/NDF: 1008454.4/49

- sign 1347.779+/-0.262 χ^2/NDF: 296095.9/25



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 1166.121+/-1659.917 χ^2/NDF:9.9/7

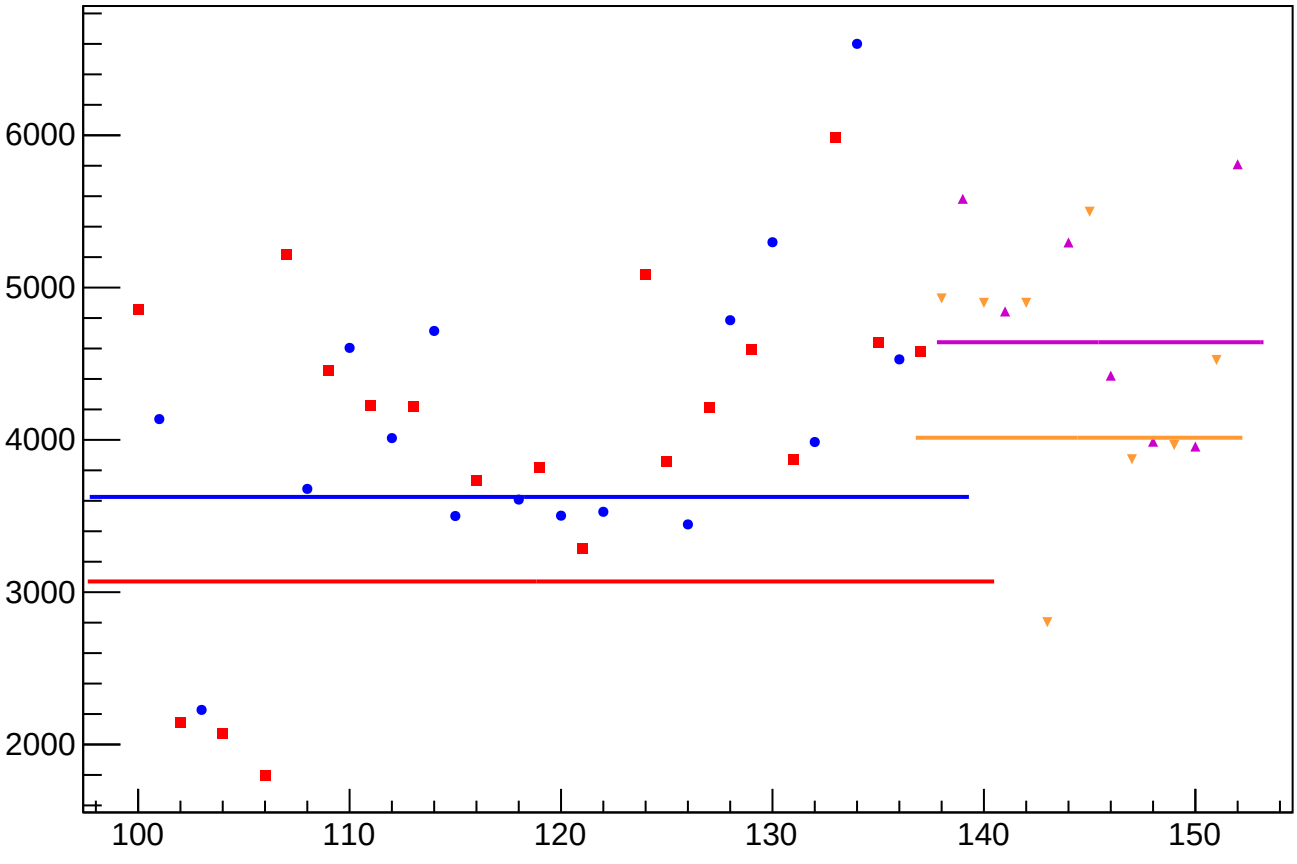
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -1085.610+/-1899.020 χ^2/NDF:2.2/6

+ sign -100.202+/-1072.170 χ^2/NDF: 25.5/23

All: -348.207+/-737.457 χ^2/NDF: 44.2/49

- sign -570.883+/-1015.943 χ^2/NDF: 18.5/25



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4014.171+/-1.174 χ^2/NDF:580731.6/7

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

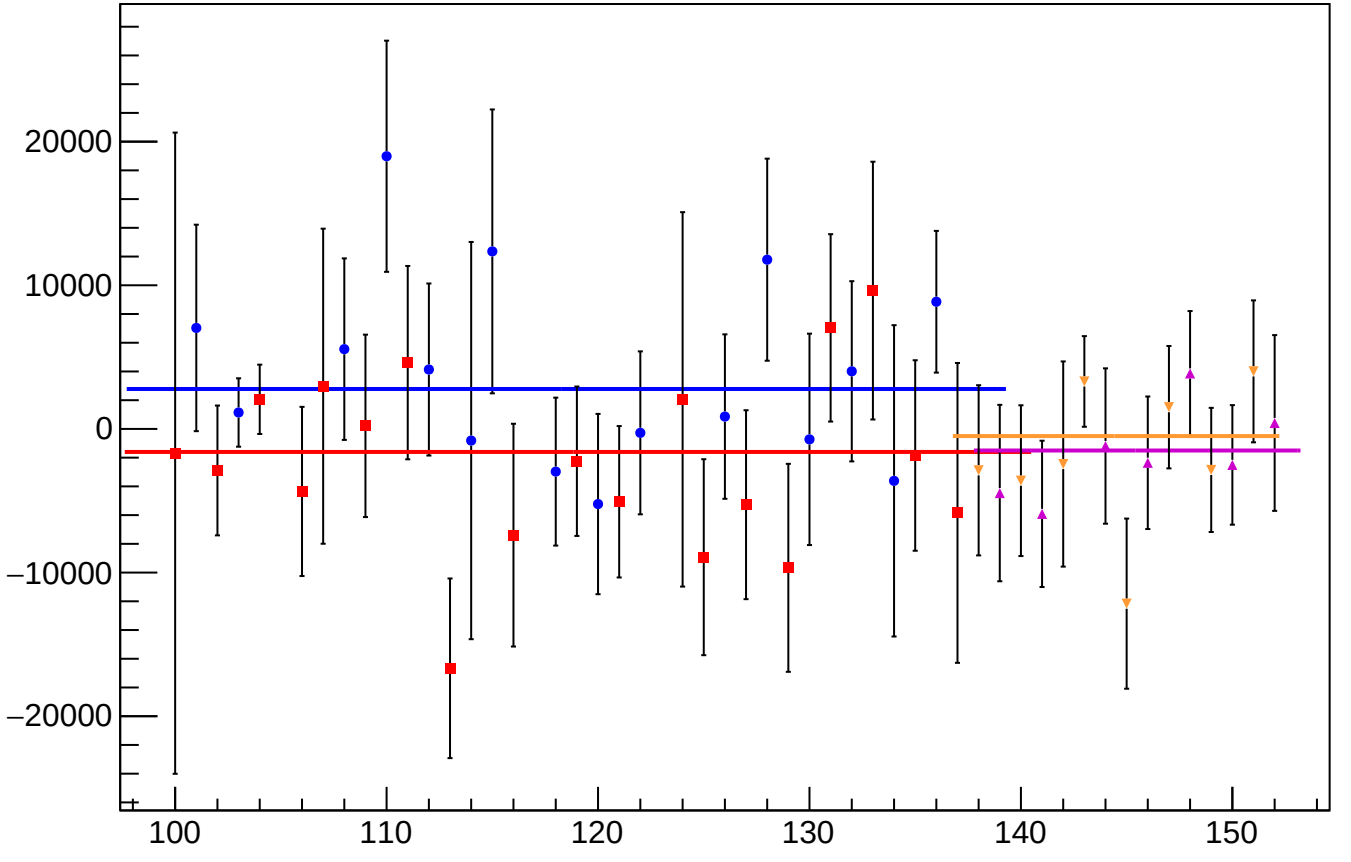
Left In: 4641.162+/-1.343 χ^2/NDF:250898.5/6

+ sign 3787.659+/-0.758 χ^2/NDF: 1589542.9/23

All: 3646.621+/-0.521 χ^2/NDF: 4721450.3/49

- sign 3519.987+/-0.718 χ^2/NDF: 3066225.8/25

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: -497.981+/-1659.803 χ^2/NDF:7.3/7

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

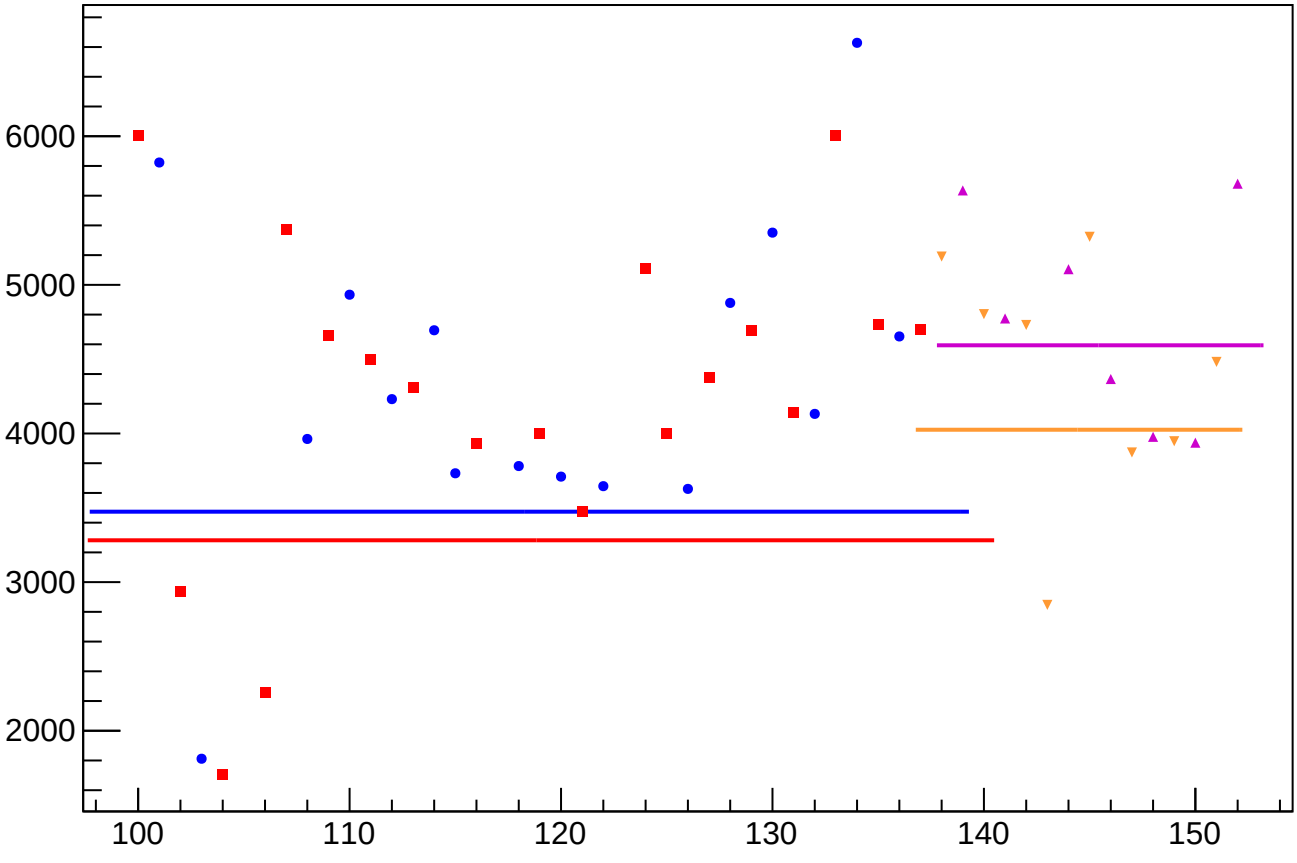
Left In: -1502.499+/-1877.178 χ^2/NDF:2.7/6

+ sign 1429.903+/-1065.415 χ^2/NDF: 22.7/23

All: -36.653+/-761.572 χ^2/NDF: 46.1/49

- sign -1568.927+/-1089.024 χ^2/NDF: 19.5/25

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4025.268+/-1.174 χ^2/NDF:536174.4/7

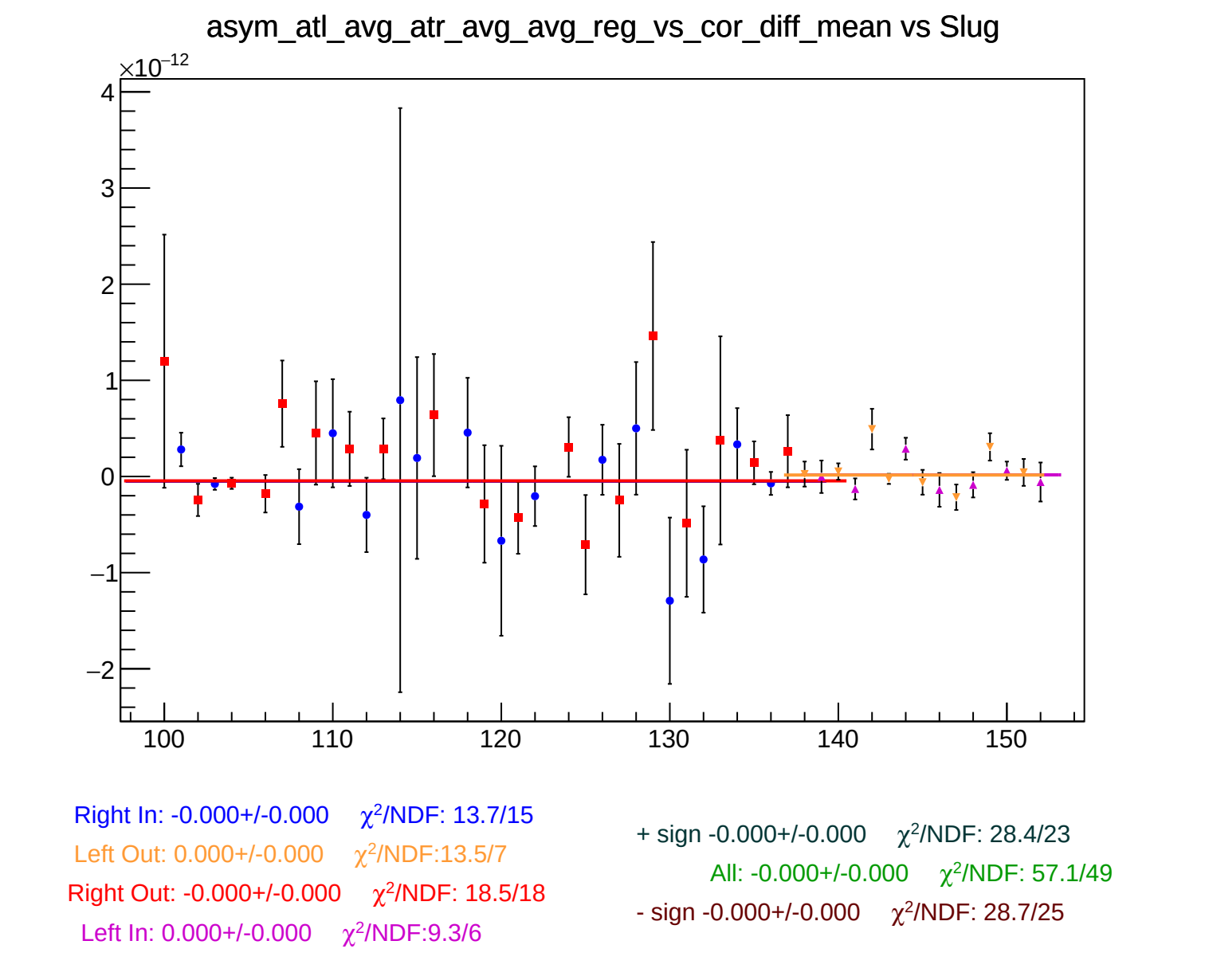
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

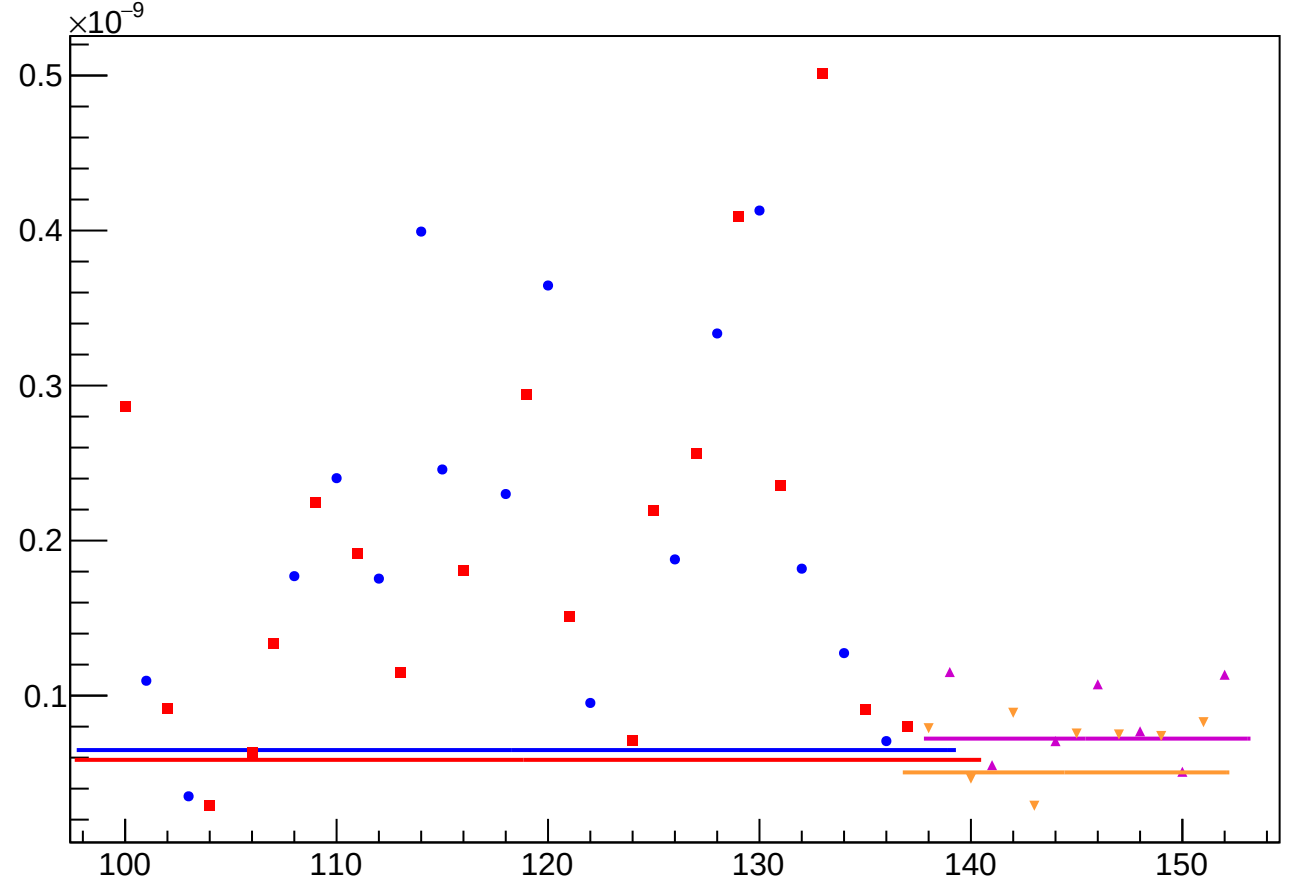
Left In: 4593.370+/-1.327 χ^2/NDF:235845.9/6

+ sign 3701.074+/-0.753 χ^2/NDF: 2509905.5/23

All: 3707.941+/-0.536 χ^2/NDF: 5275450.3/49

- sign 3714.985+/-0.763 χ^2/NDF: 2765376.5/25


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:13.5/7
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:9.3/6
+ sign -0.000+/-0.000 χ²/NDF: 28.4/23
All: -0.000+/-0.000 χ²/NDF: 57.1/49
- sign -0.000+/-0.000 χ²/NDF: 28.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:802888.4/7

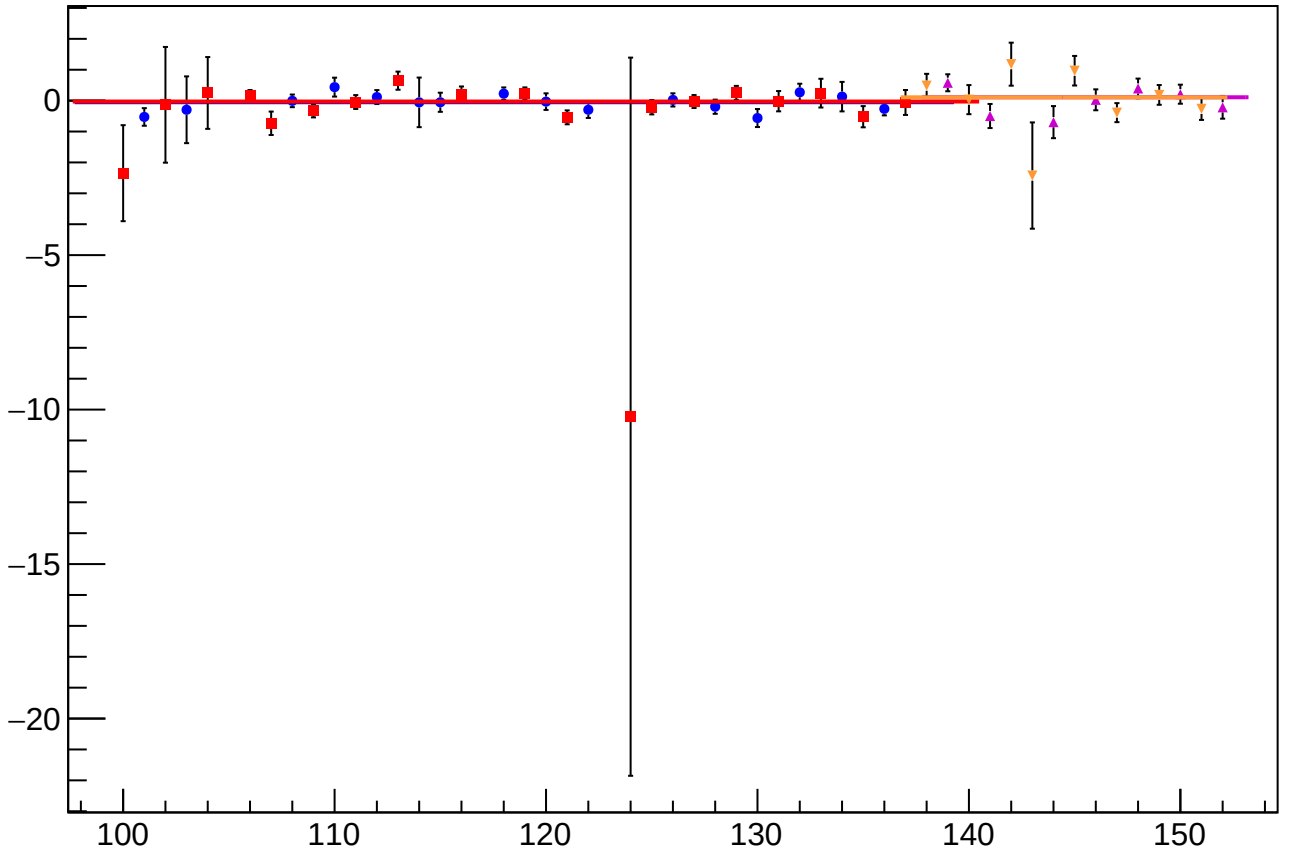
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:445101.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 3510808.1/23

All: 0.000+/-0.000 χ^2/NDF: 6988283.0/49

- sign 0.000+/-0.000 χ^2/NDF: 3381148.7/25



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.108+/-0.147 χ^2/NDF:12.5/7

Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

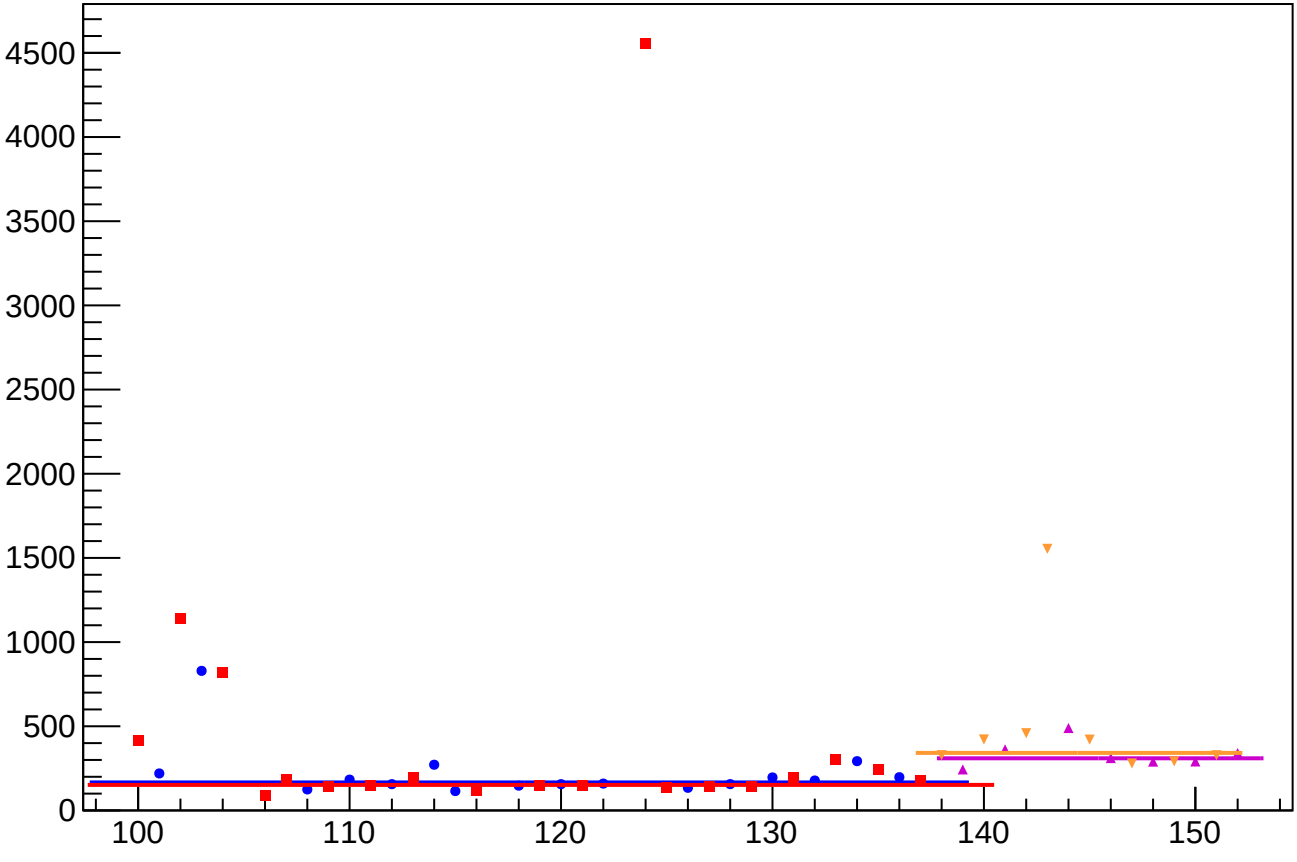
Left In: 0.109+/-0.129 χ^2/NDF:9.5/6

+ sign -0.024+/-0.061 χ^2/NDF: 28.3/23

All: -0.012+/-0.042 χ^2/NDF: 66.4/49

- sign -0.002+/-0.057 χ^2/NDF: 37.9/25

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 341.934+/-0.104 χ^2/NDF:1298957.0/7

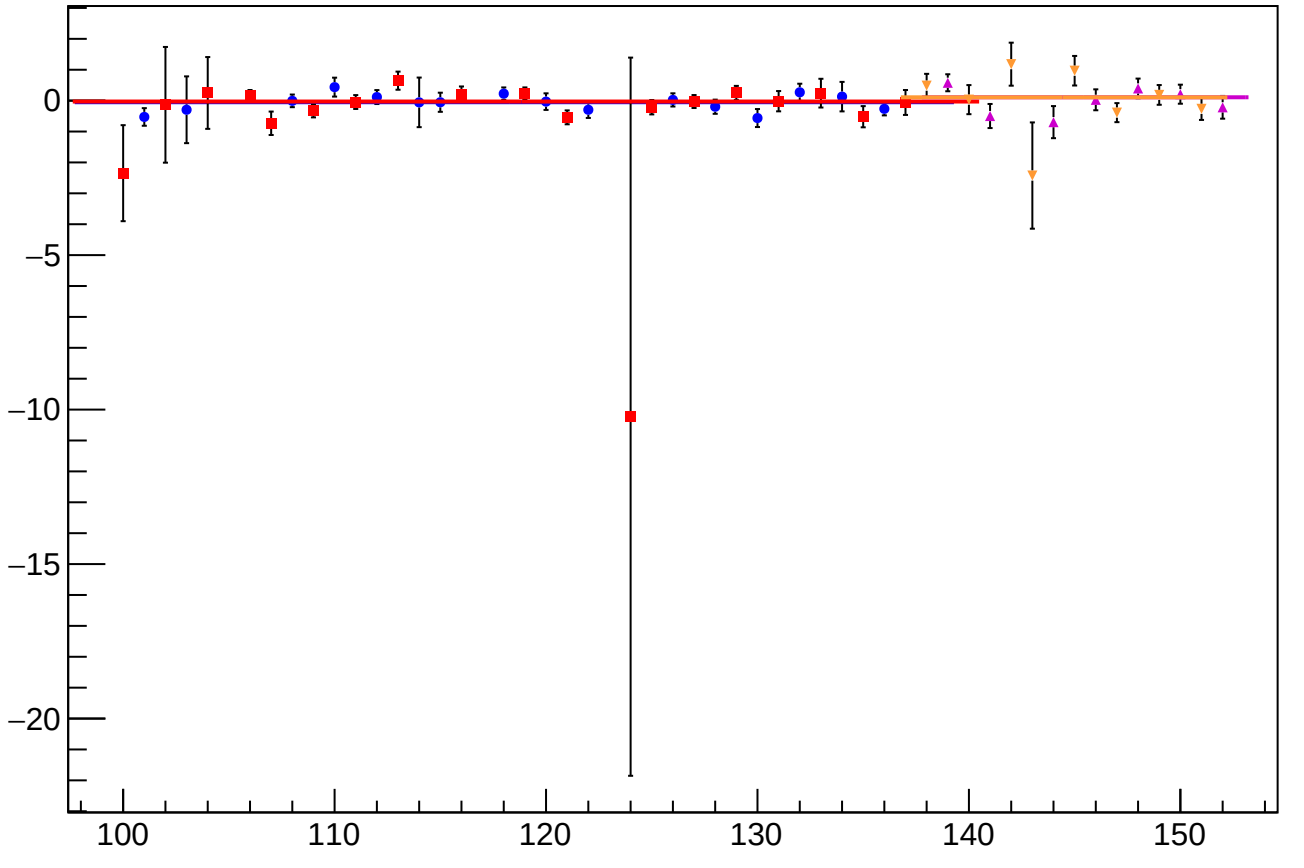
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 309.748+/-0.091 χ^2/NDF:421098.9/6

+ sign 196.318+/-0.043 χ^2/NDF: 4944298.8/23

All: 189.259+/-0.029 χ^2/NDF: 10135137.2/49

- sign 182.970+/-0.041 χ^2/NDF: 5139805.2/25



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.108+/-0.147 χ^2/NDF:12.5/7

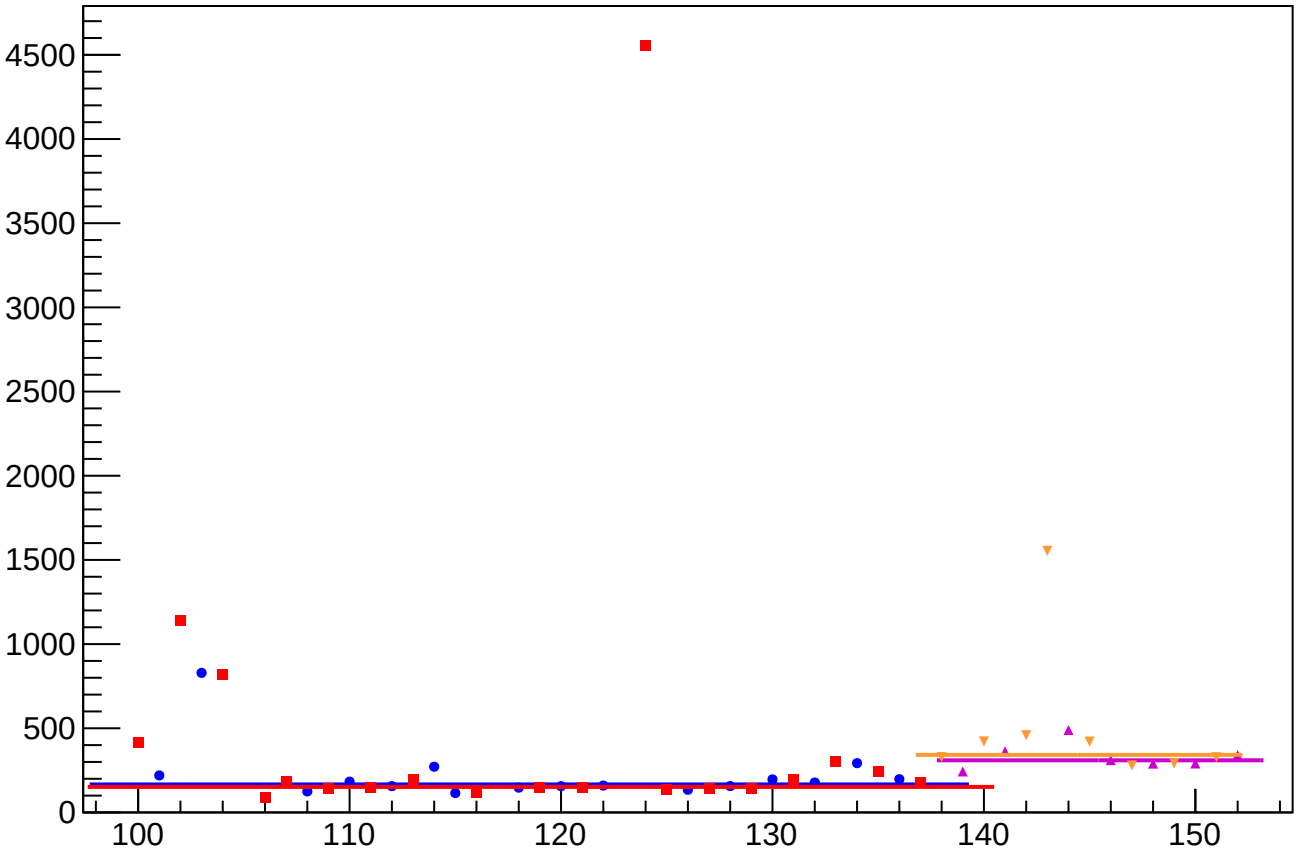
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.109+/-0.129 χ^2/NDF:9.5/6

+ sign -0.024+/-0.061 χ^2/NDF: 28.3/23

All: -0.012+/-0.042 χ^2/NDF: 66.4/49

- sign -0.002+/-0.057 χ^2/NDF: 37.9/25



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 341.934+/-0.104 χ^2/NDF:1298957.0/7

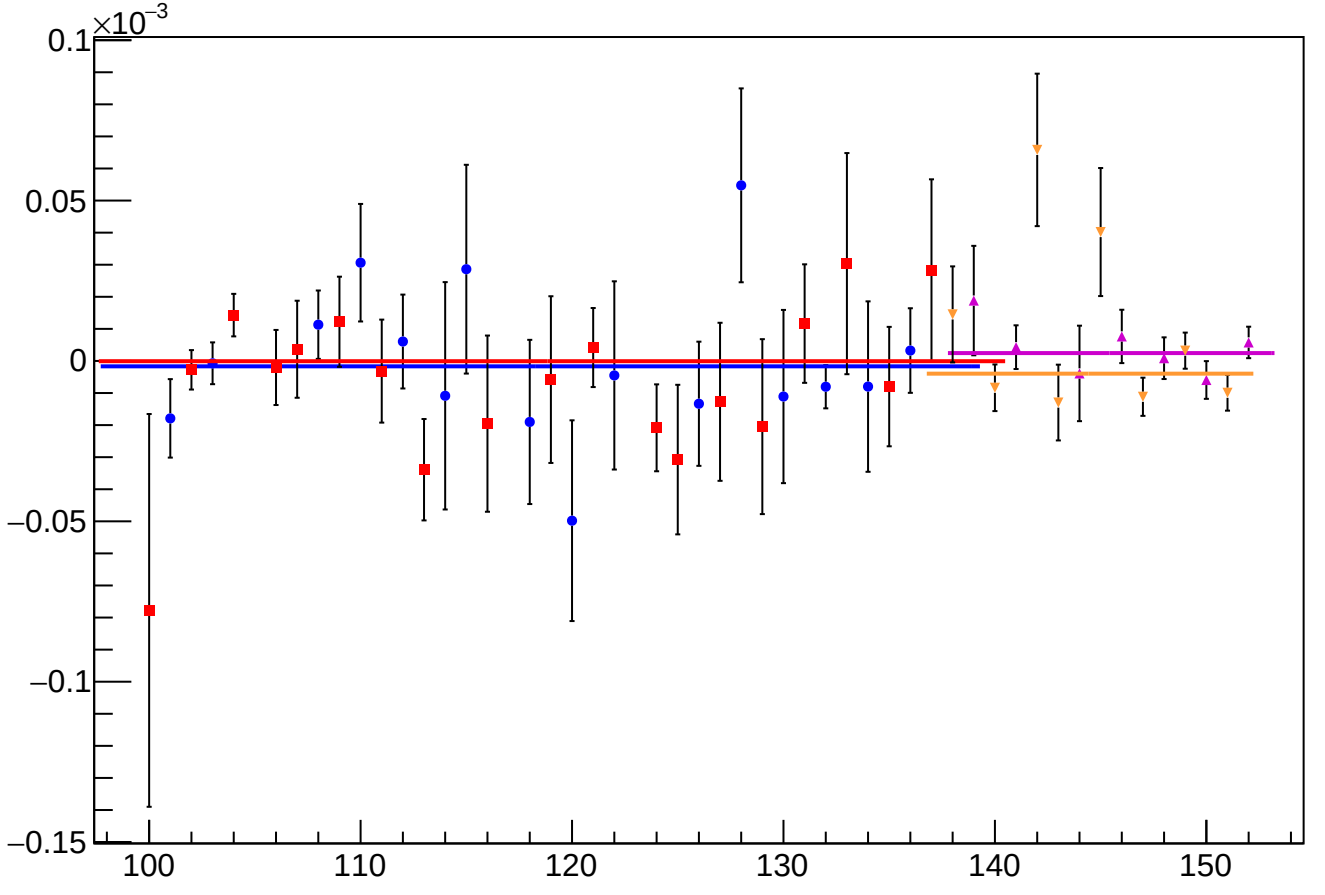
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 309.748+/-0.091 χ^2/NDF:421098.9/6

+ sign 196.318+/-0.043 χ^2/NDF: 4944298.8/23

All: 189.259+/-0.029 χ^2/NDF: 10135137.2/49

- sign 182.970+/-0.041 χ^2/NDF: 5139805.2/25



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/7

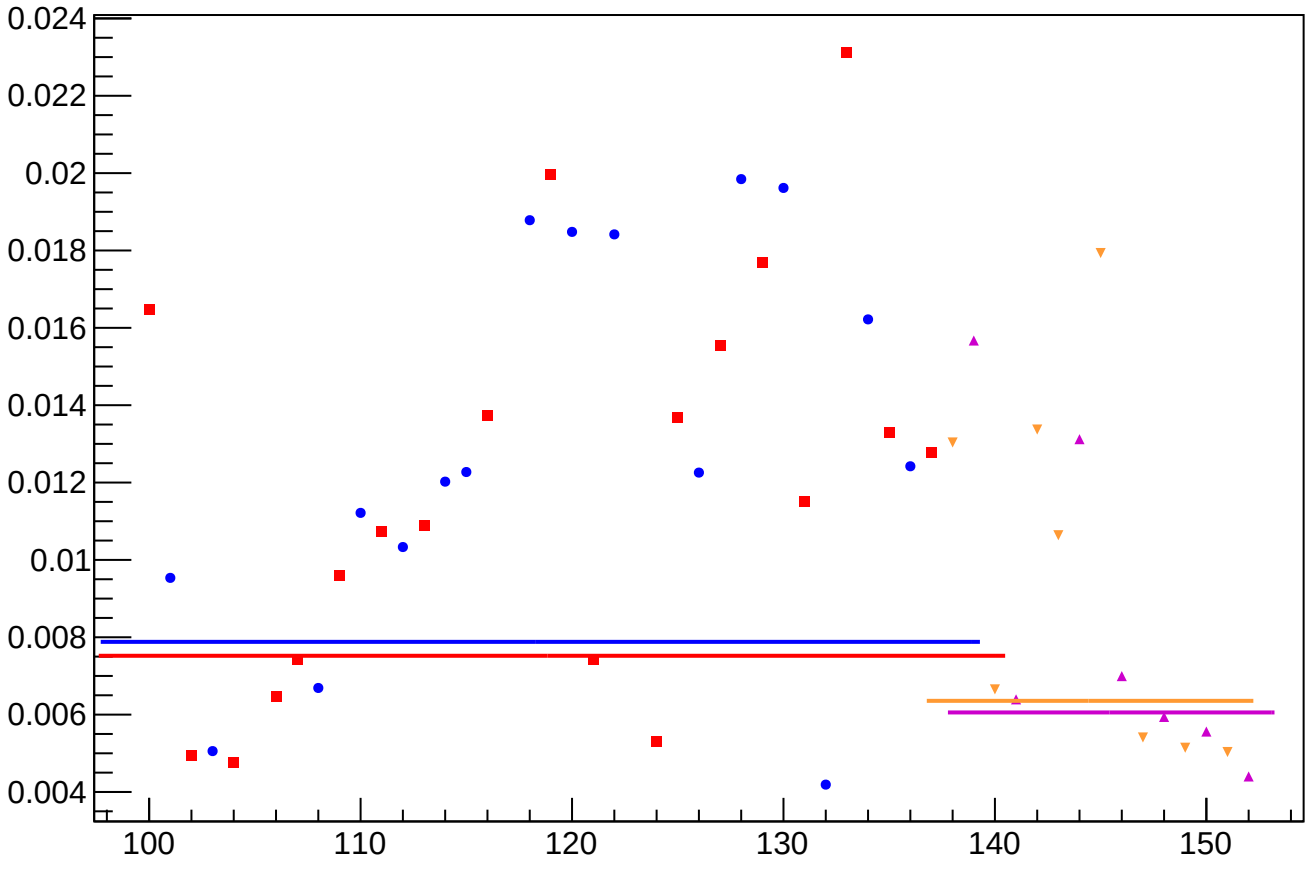
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 36.0/23

All: -0.000+/-0.000 χ^2/NDF: 62.6/49

- sign 0.000+/-0.000 χ^2/NDF: 24.4/25



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:1767861.5/7

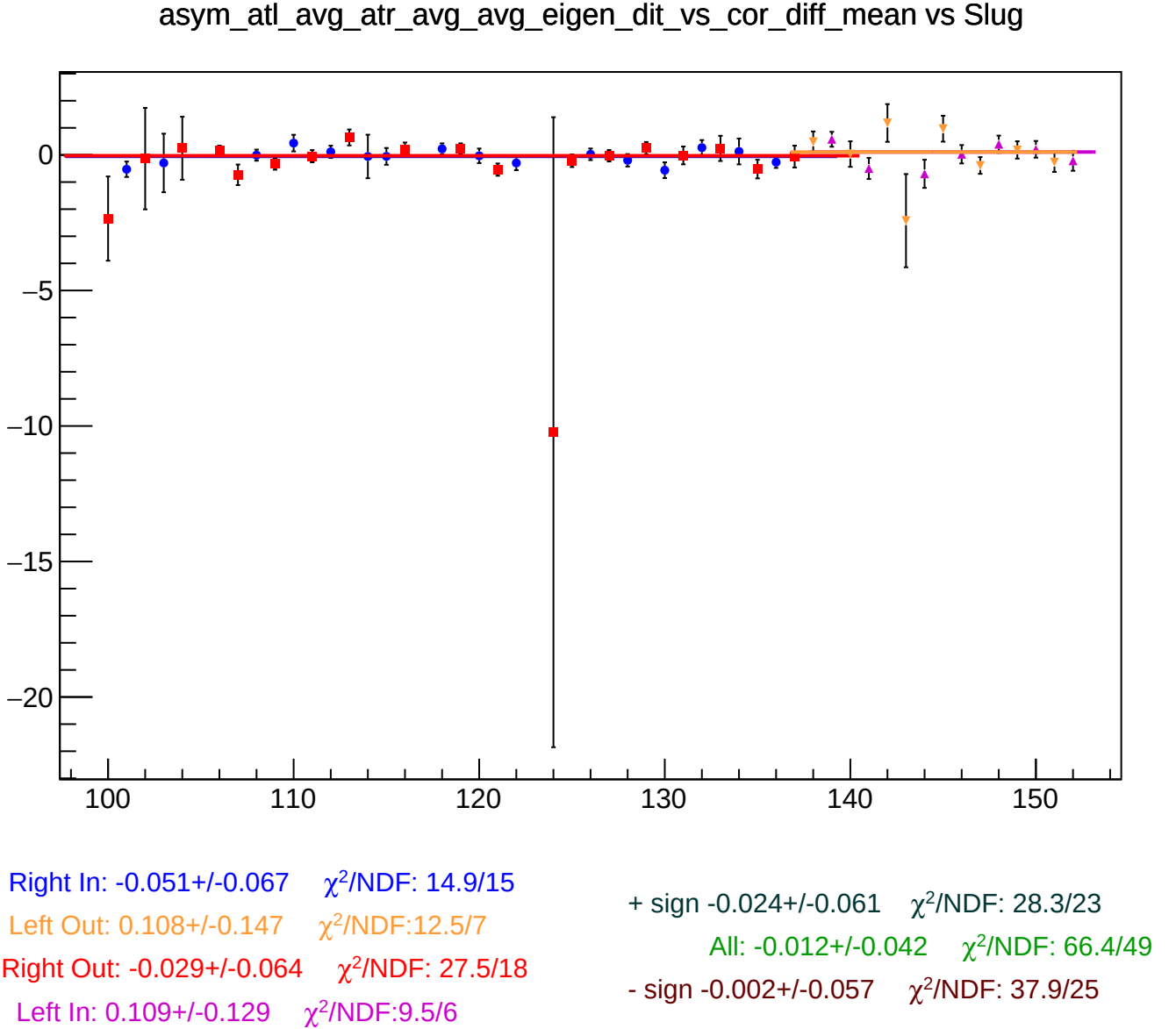
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

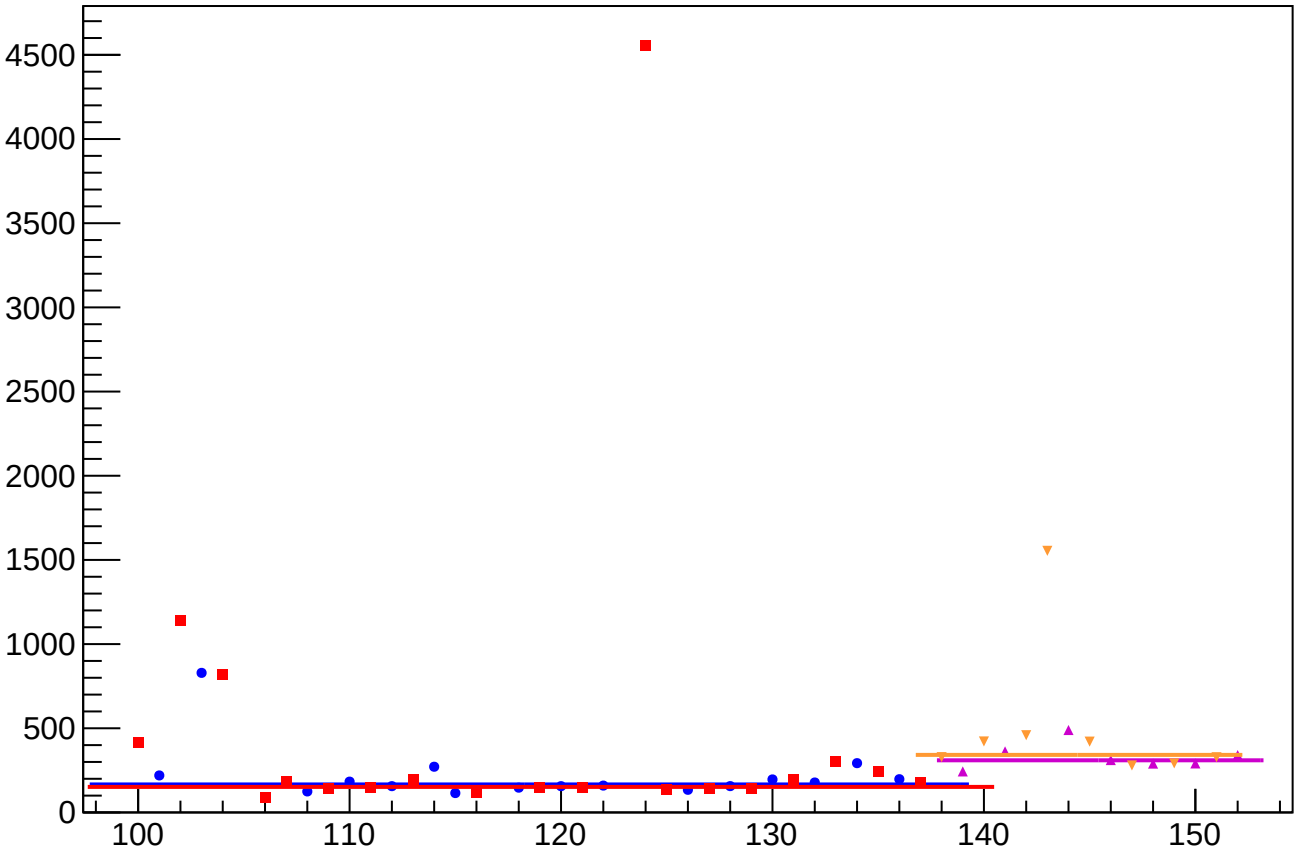
Left In: 0.006+/-0.000 χ^2/NDF:1358826.3/6

+ sign 0.007+/-0.000 χ^2/NDF: 5308734.2/23

All: 0.007+/-0.000 χ^2/NDF: 9914261.4/49

- sign 0.007+/-0.000 χ^2/NDF: 4585572.3/25


asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
0
−5
−10
−15
−20
100
110
120
130
140
150
Right In: -0.051+/-0.067 χ²/NDF: 14.9/15
Left Out: 0.108+/-0.147 χ²/NDF:12.5/7
Right Out: -0.029+/-0.064 χ²/NDF: 27.5/18
Left In: 0.109+/-0.129 χ²/NDF:9.5/6
+ sign -0.024+/-0.061 χ²/NDF: 28.3/23
All: -0.012+/-0.042 χ²/NDF: 66.4/49
- sign -0.002+/-0.057 χ²/NDF: 37.9/25



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 341.938+/-0.104 χ^2/NDF:1298954.6/7

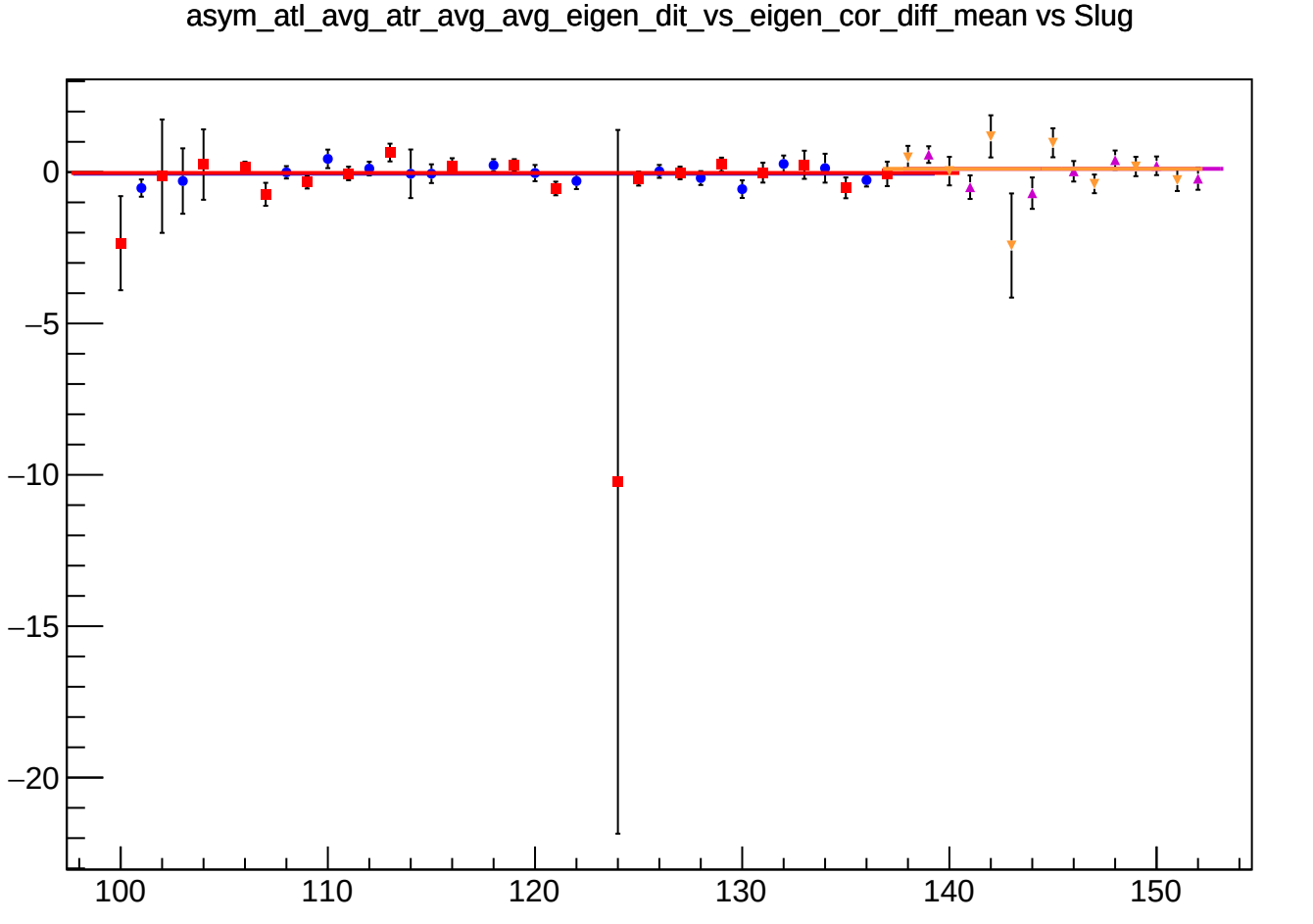
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 309.752+/-0.091 χ^2/NDF:421084.0/6

+ sign 196.318+/-0.043 χ^2/NDF: 4944371.0/23

All: 189.258+/-0.029 χ^2/NDF: 10135328.7/49

- sign 182.969+/-0.041 χ^2/NDF: 5139920.1/25



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.108+/-0.147 χ^2/NDF:12.5/7

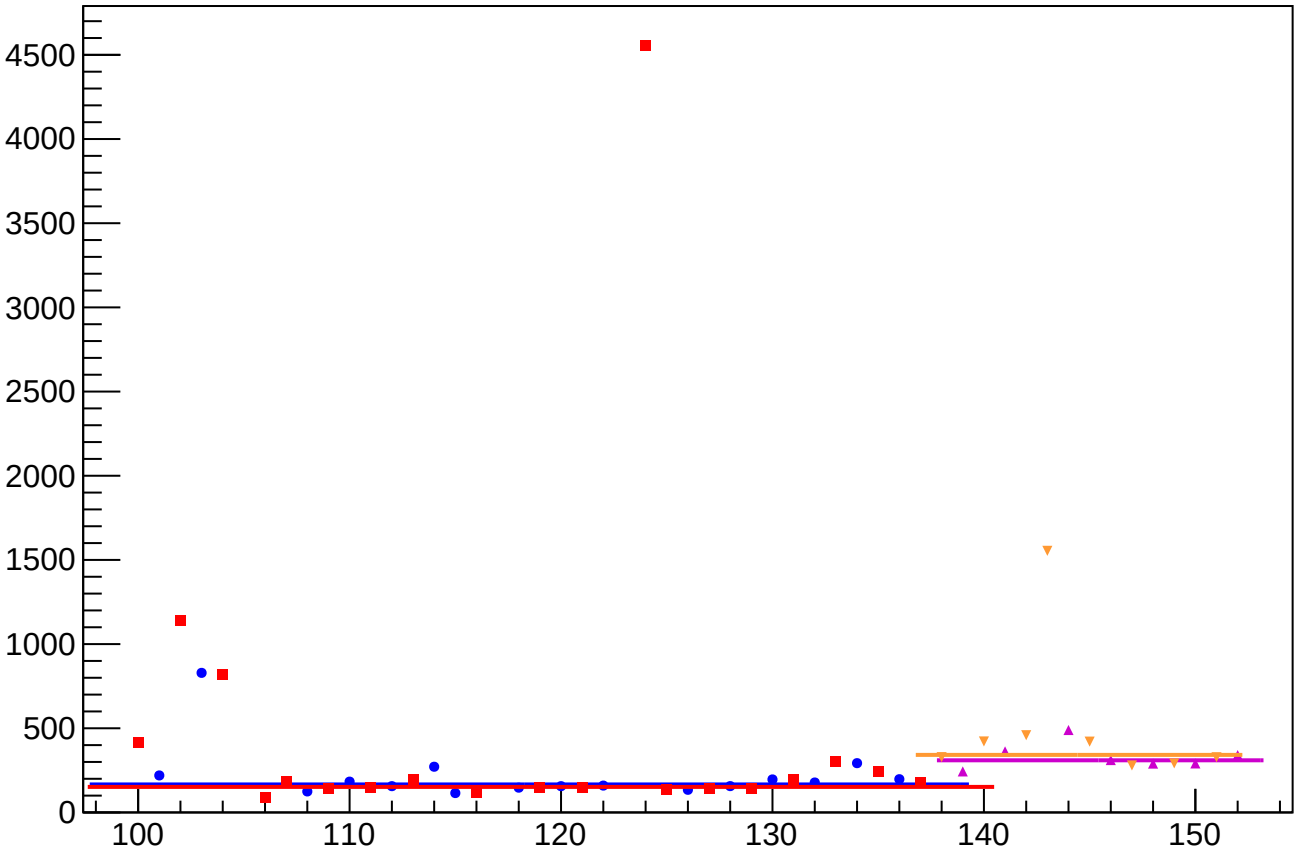
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.109+/-0.129 χ^2/NDF:9.5/6

+ sign -0.024+/-0.061 χ^2/NDF: 28.3/23

All: -0.012+/-0.042 χ^2/NDF: 66.4/49

- sign -0.002+/-0.057 χ^2/NDF: 37.9/25



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 341.938+/-0.104 χ^2/NDF:1298954.6/7

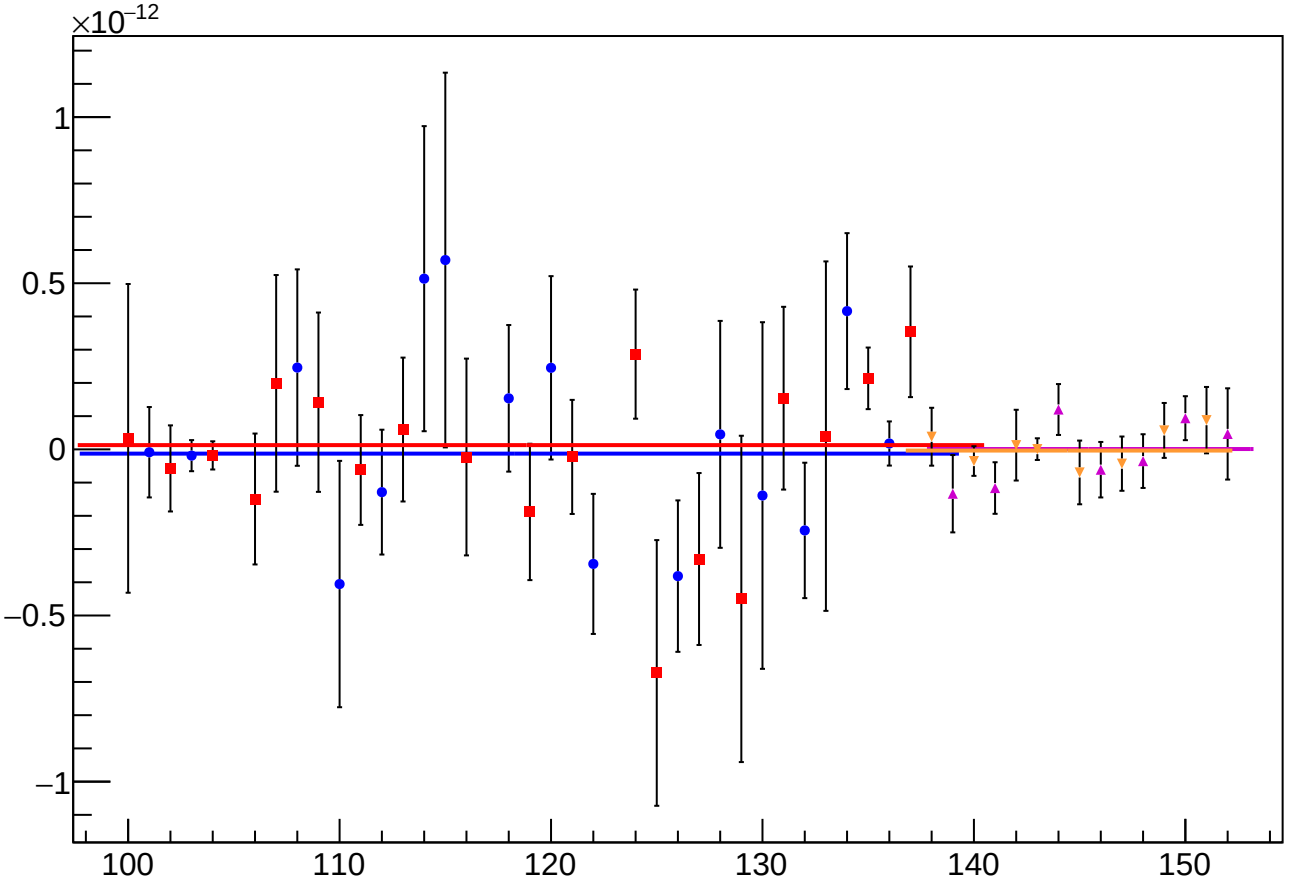
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 309.752+/-0.091 χ^2/NDF:421084.0/6

+ sign 196.318+/-0.043 χ^2/NDF: 4944371.0/23

All: 189.258+/-0.029 χ^2/NDF: 10135328.7/49

- sign 182.969+/-0.041 χ^2/NDF: 5139920.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/7

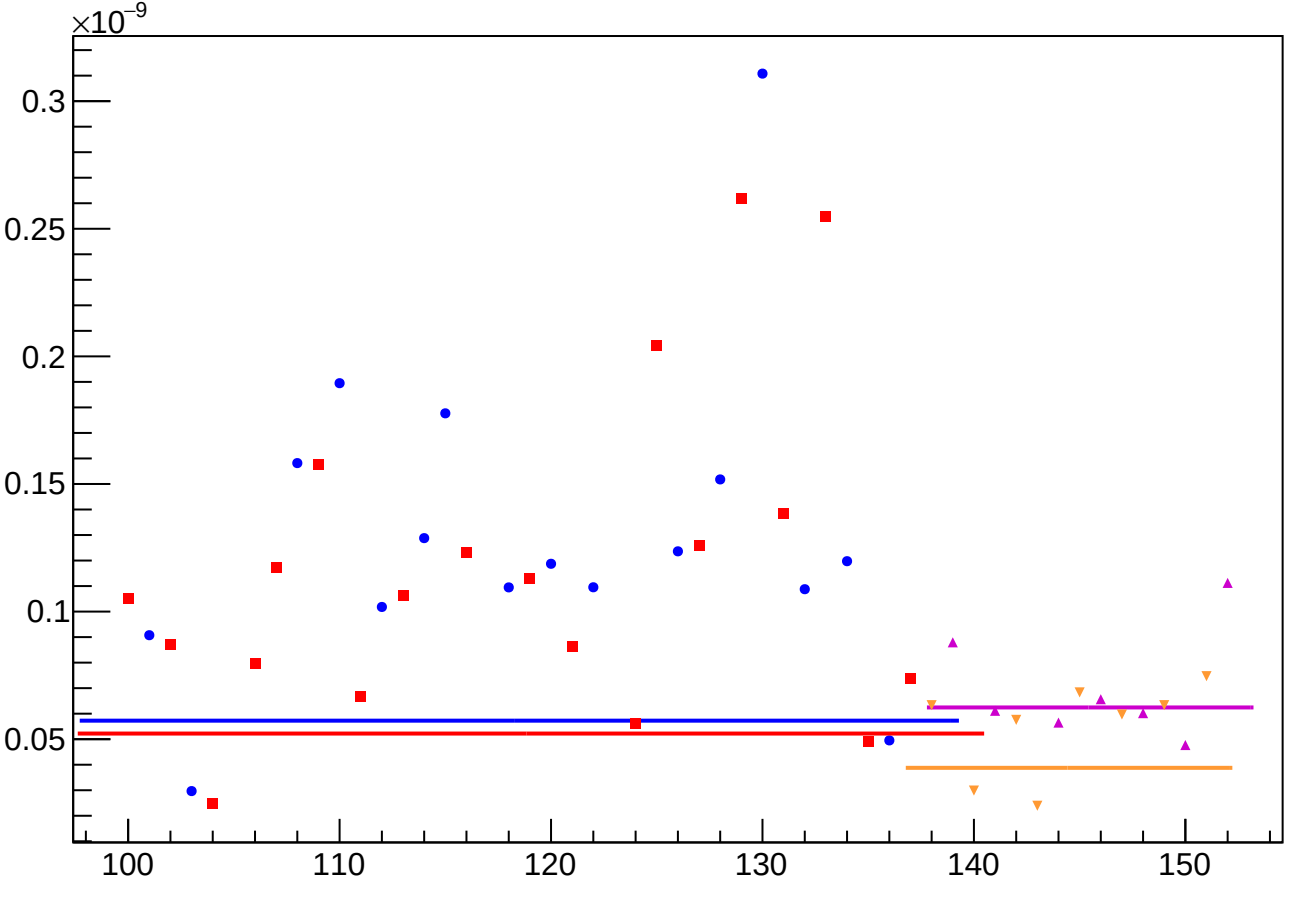
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 19.0/23

All: -0.000+/-0.000 χ^2/NDF: 47.1/49

- sign 0.000+/-0.000 χ^2/NDF: 27.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1471861.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

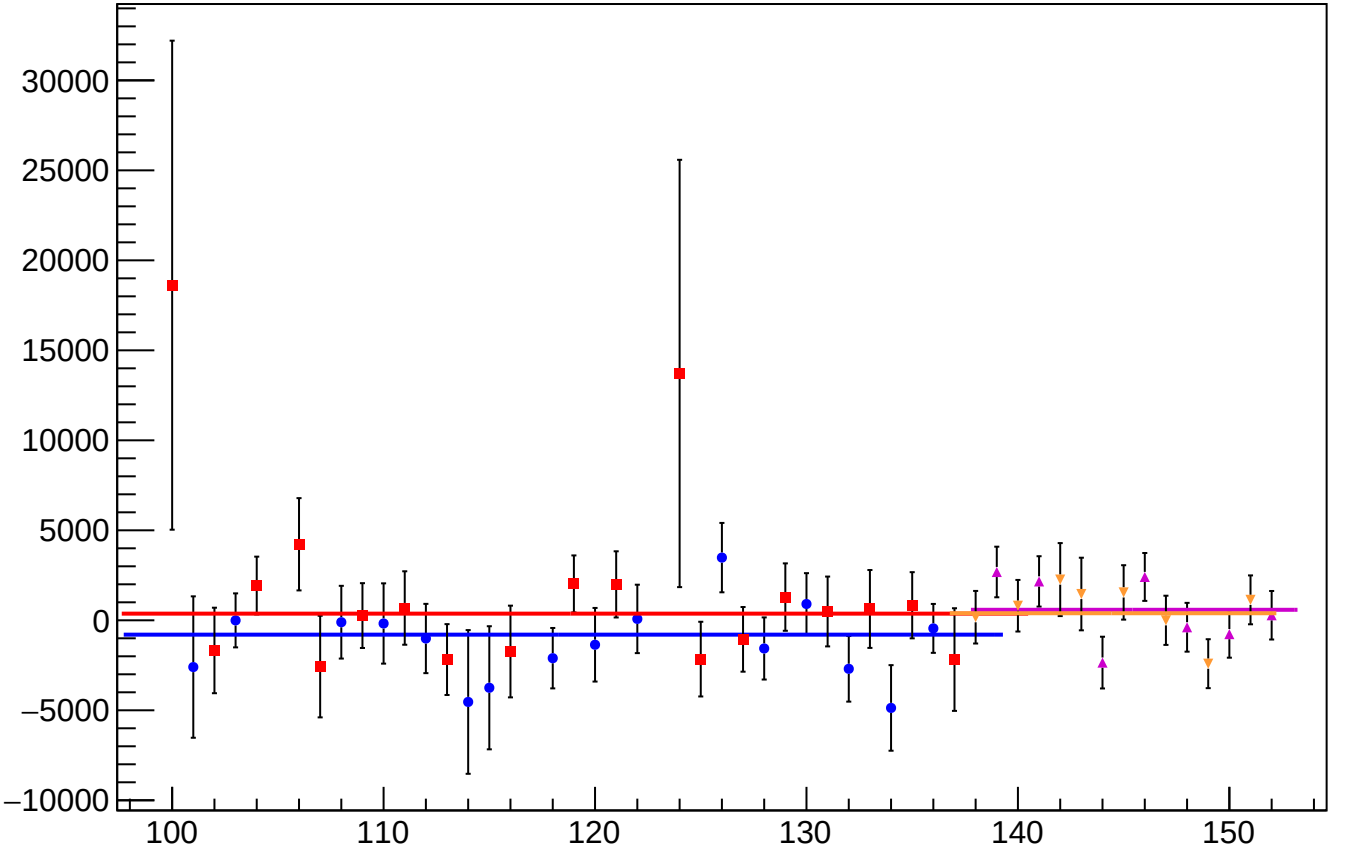
Left In: 0.000+/-0.000 χ^2/NDF:464888.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 4897138.5/23

All: 0.000+/-0.000 χ^2/NDF: 9162995.7/49

- sign 0.000+/-0.000 χ^2/NDF: 3857087.4/25

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 392.348+/-534.468 χ^2/NDF:6.5/7

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

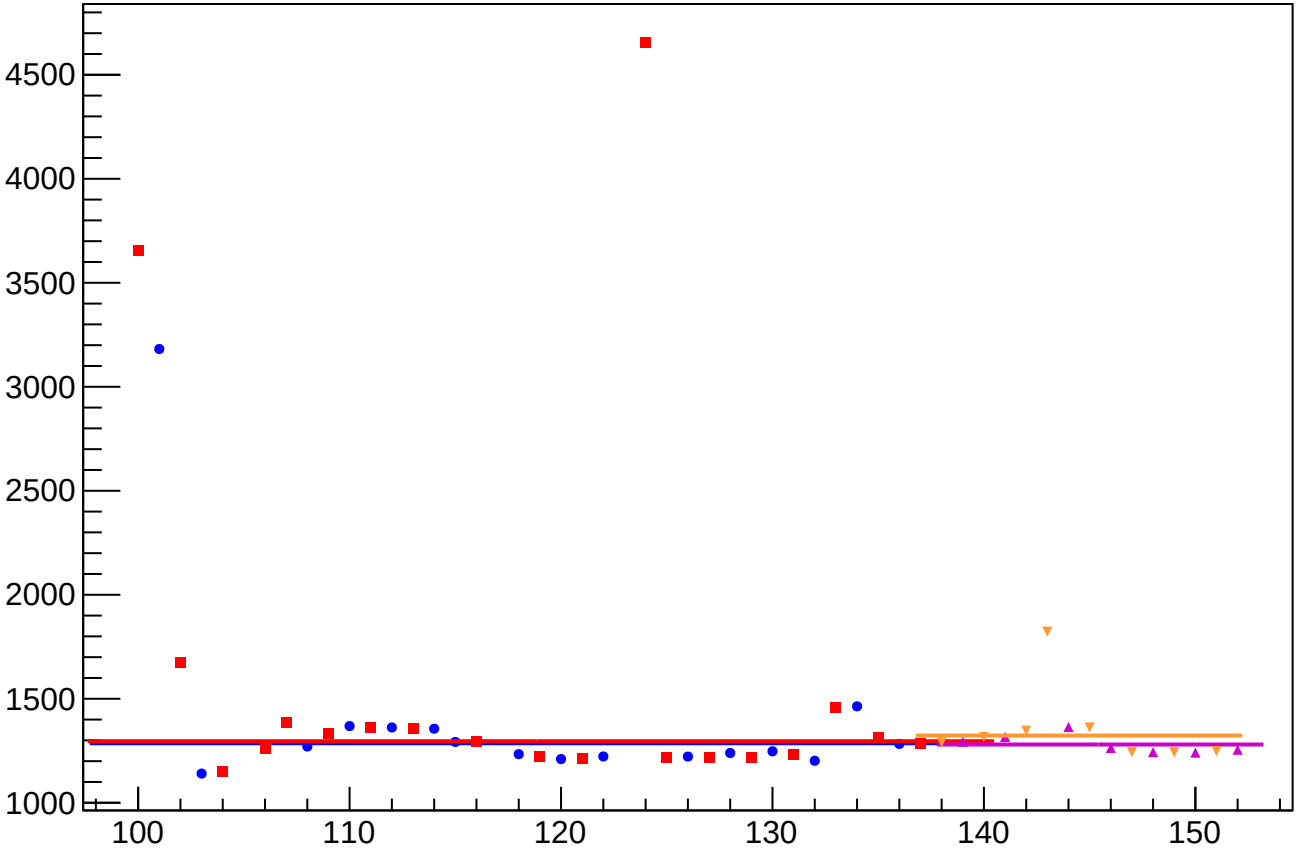
Left In: 583.590+/-516.914 χ^2/NDF:11.2/6

+ sign -257.083+/-360.158 χ^2/NDF: 22.6/23

All: 112.810+/-252.469 χ^2/NDF: 51.5/49

- sign 470.185+/-354.011 χ^2/NDF: 26.9/25

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

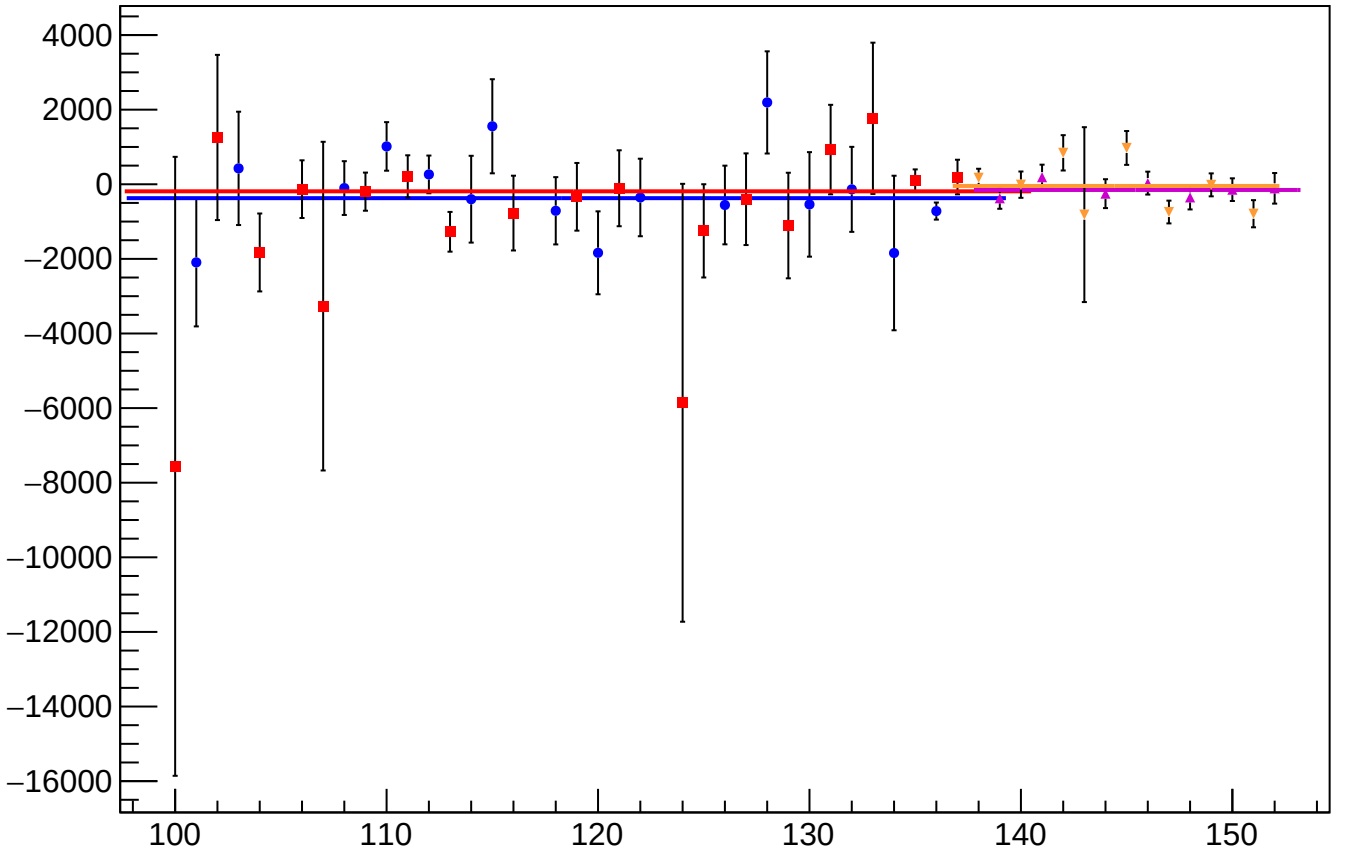
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

+ sign 1302.934+/-0.255 χ^2/NDF: 668397.1/23

All: 1295.597+/-0.179 χ^2/NDF: 1011732.6/49

- sign 1288.509+/-0.250 χ^2/NDF: 341703.9/25



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -45.144+/-125.463 χ^2/NDF:18.9/7

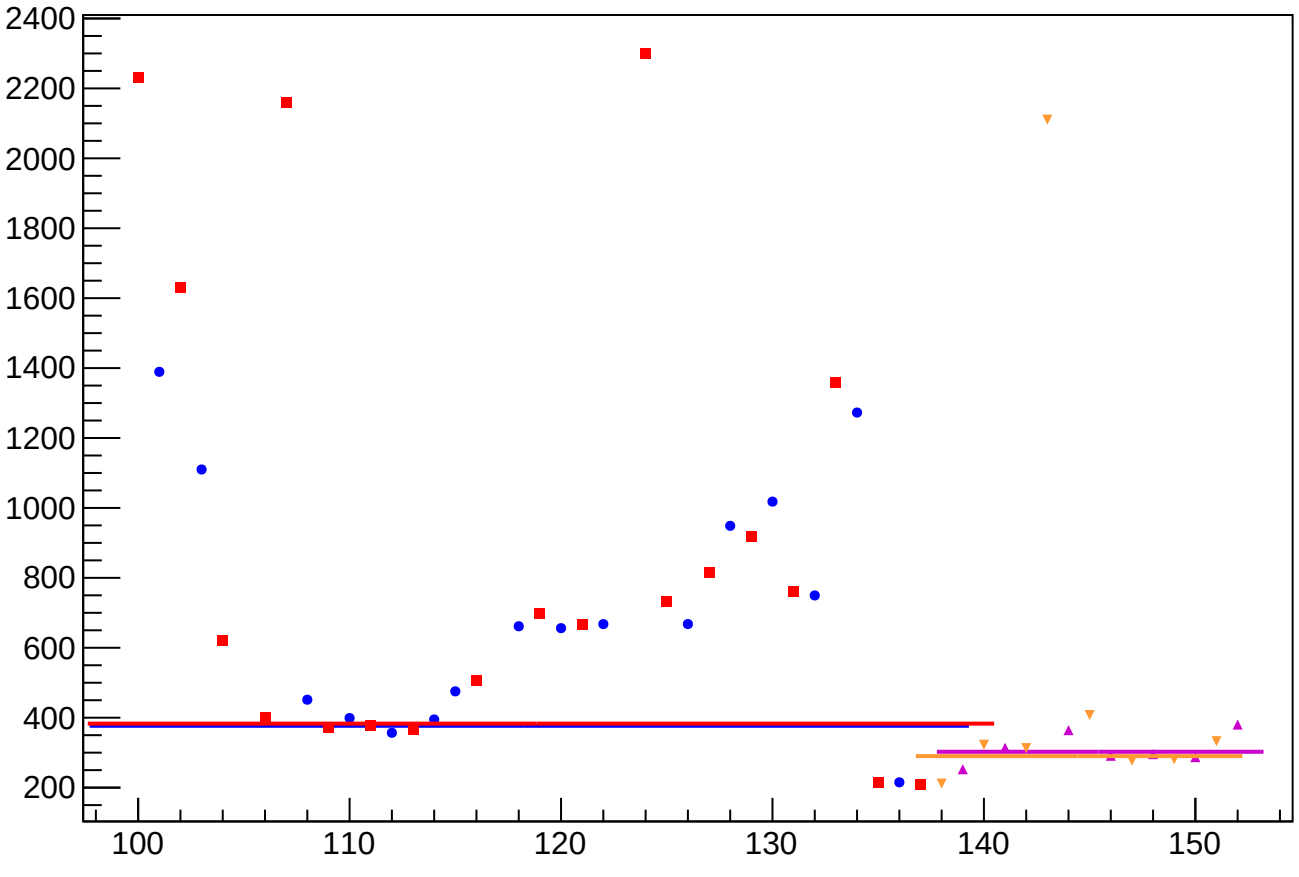
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -152.828+/-123.979 χ^2/NDF:2.5/6

+ sign -162.104+/-100.568 χ^2/NDF: 39.5/23

All: -163.764+/-70.940 χ^2/NDF: 56.7/49

- sign -165.409+/-100.083 χ^2/NDF: 17.2/25



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 290.119+/-0.089 χ^2/NDF:1606586.2/7

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

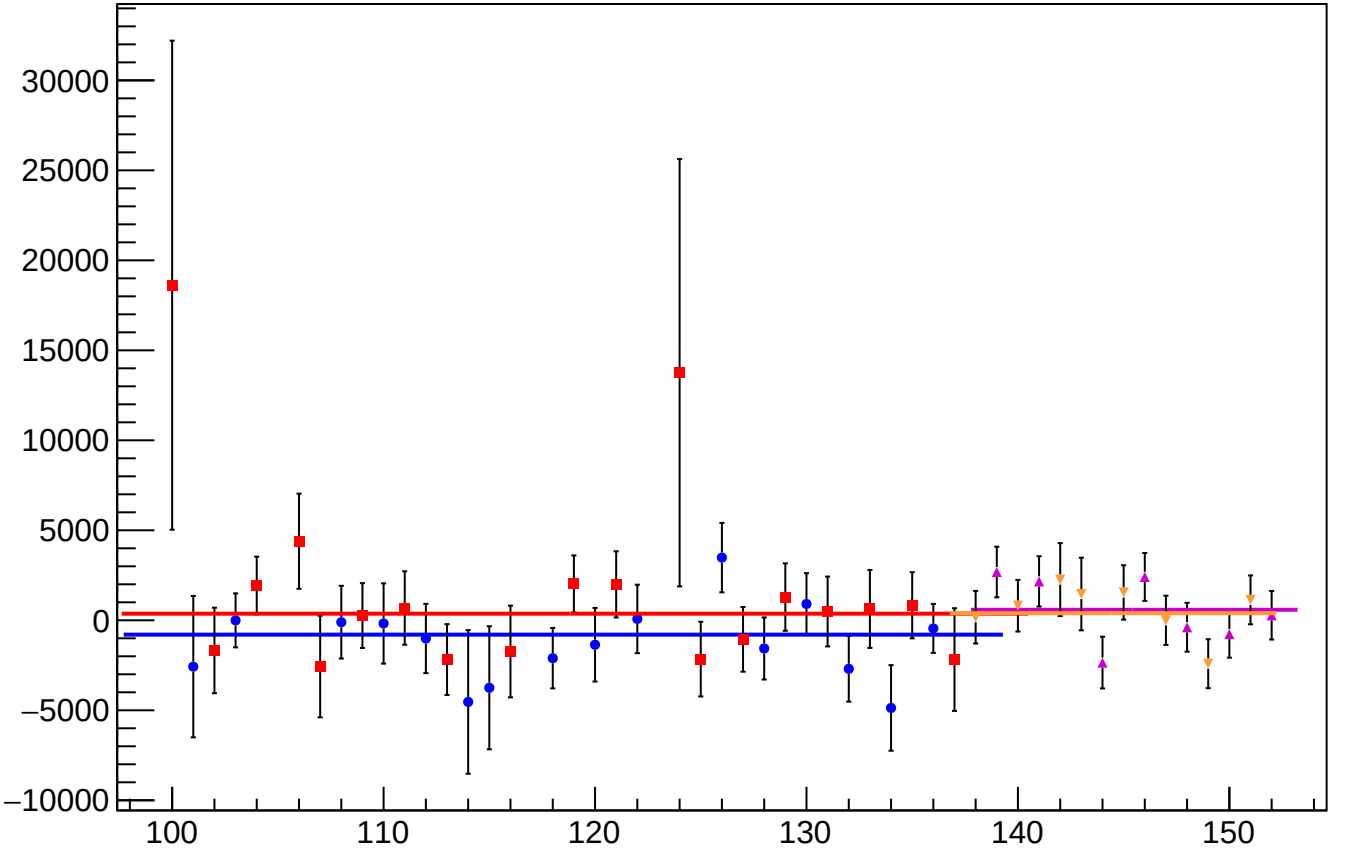
Left In: 302.561+/-0.088 χ^2/NDF:196714.5/6

+ sign 321.139+/-0.071 χ^2/NDF: 6138774.8/23

All: 325.895+/-0.050 χ^2/NDF: 10692324.1/49

- sign 330.606+/-0.071 χ^2/NDF: 4544644.4/25

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 392.327+/-534.468 χ^2/NDF:6.5/7

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

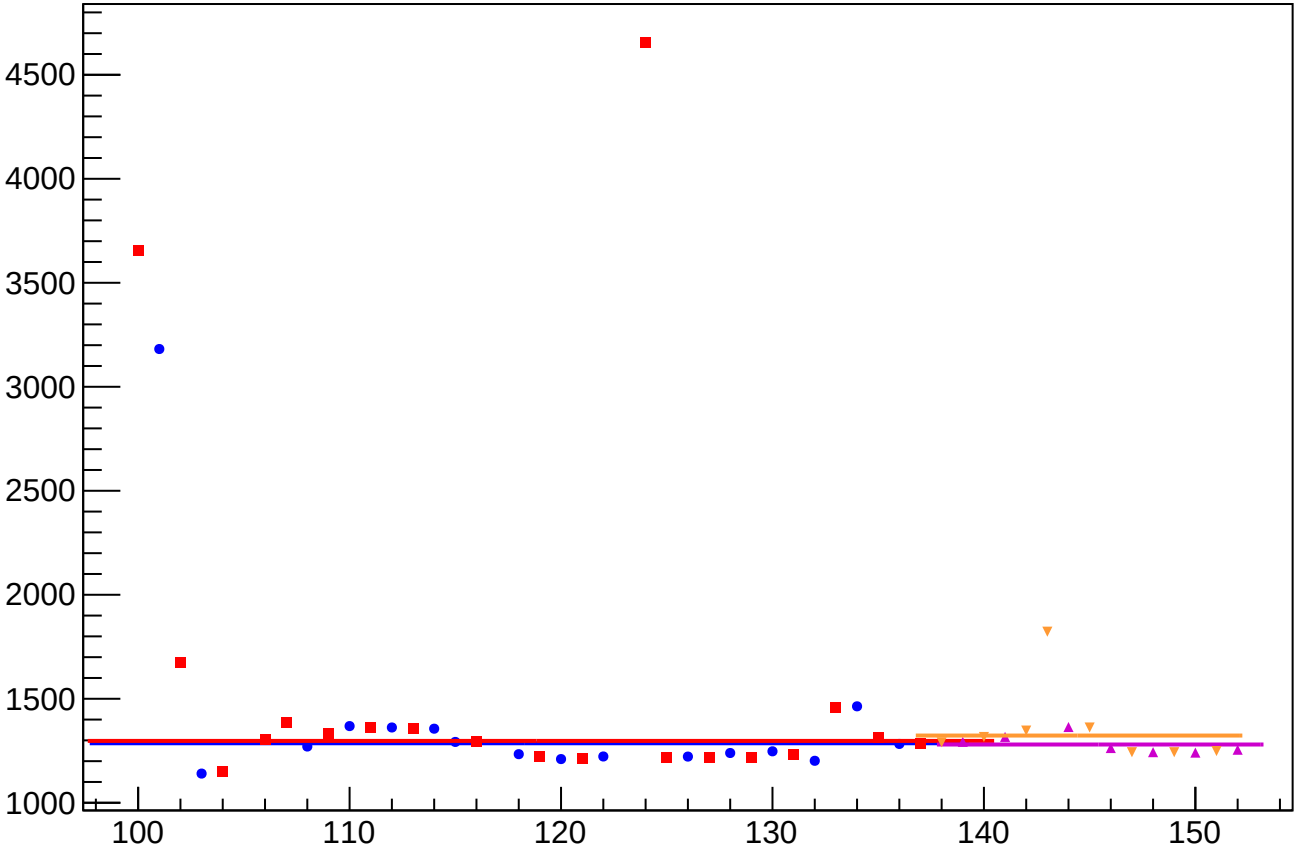
Left In: 583.580+/-516.914 χ^2/NDF:11.2/6

+ sign -256.873+/-360.158 χ^2/NDF: 22.6/23

All: 112.078+/-252.542 χ^2/NDF: 51.6/49

- sign 468.950+/-354.213 χ^2/NDF: 26.9/25

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

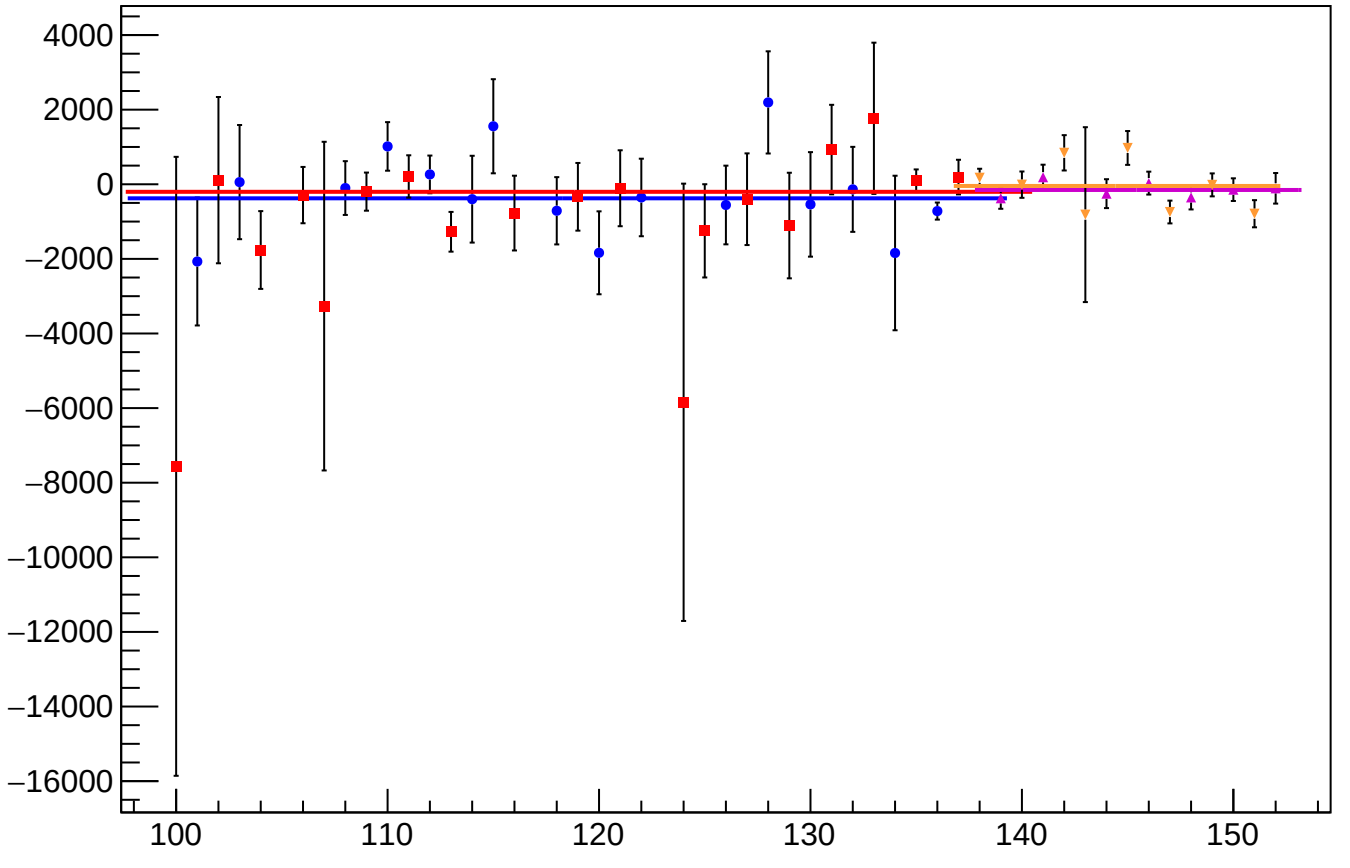
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

+ sign 1302.934+/-0.255 χ^2/NDF: 668398.6/23

All: 1295.988+/-0.179 χ^2/NDF: 1011427.4/49

- sign 1289.270+/-0.250 χ^2/NDF: 341565.6/25



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -45.186+/-125.467 χ^2/NDF:18.9/7

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

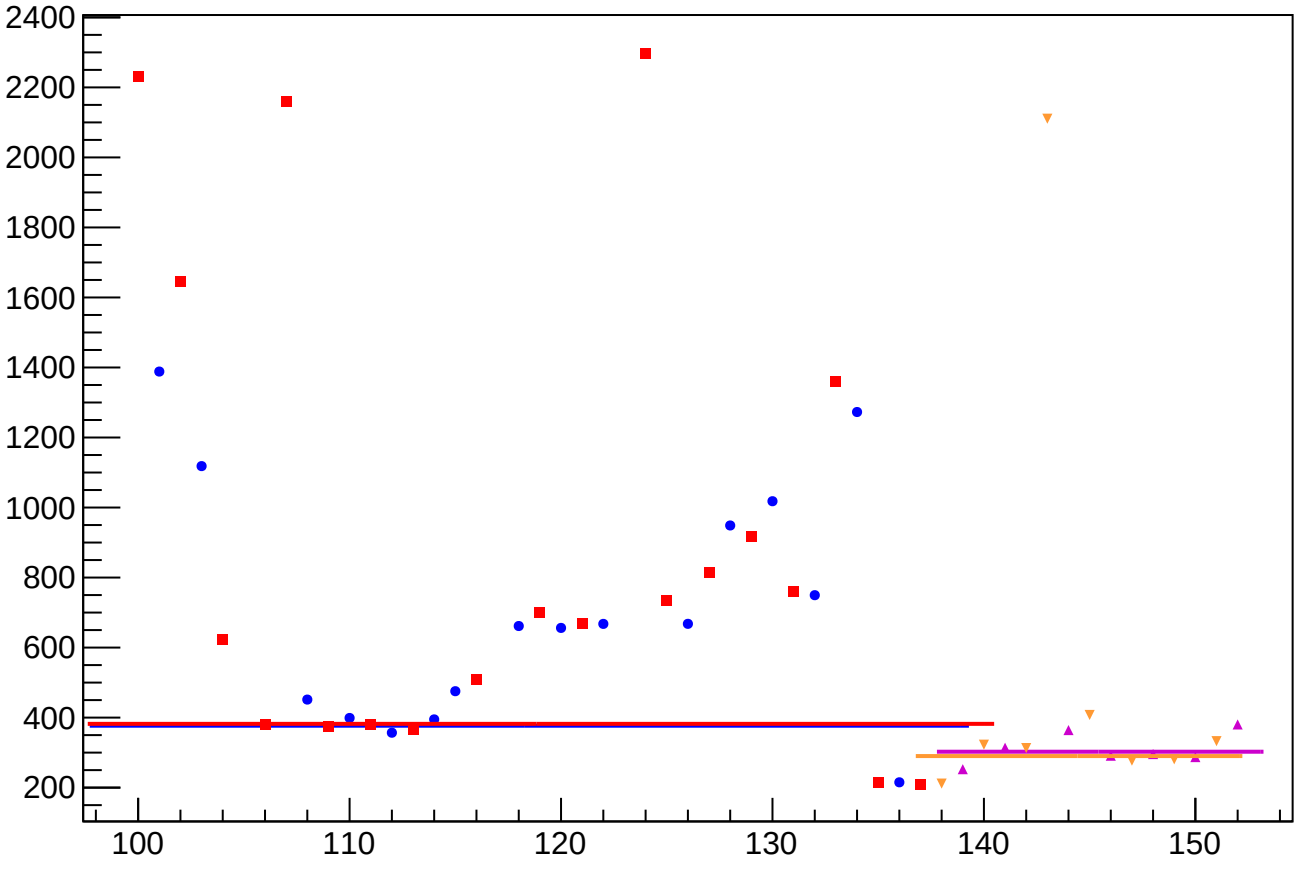
Left In: -152.851+/-123.978 χ^2/NDF:2.5/6

+ sign -163.707+/-100.574 χ^2/NDF: 39.4/23

All: -166.894+/-70.928 χ^2/NDF: 55.9/49

- sign -170.048+/-100.042 χ^2/NDF: 16.6/25

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: 290.130+/-0.089 χ^2/NDF:1606585.3/7

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

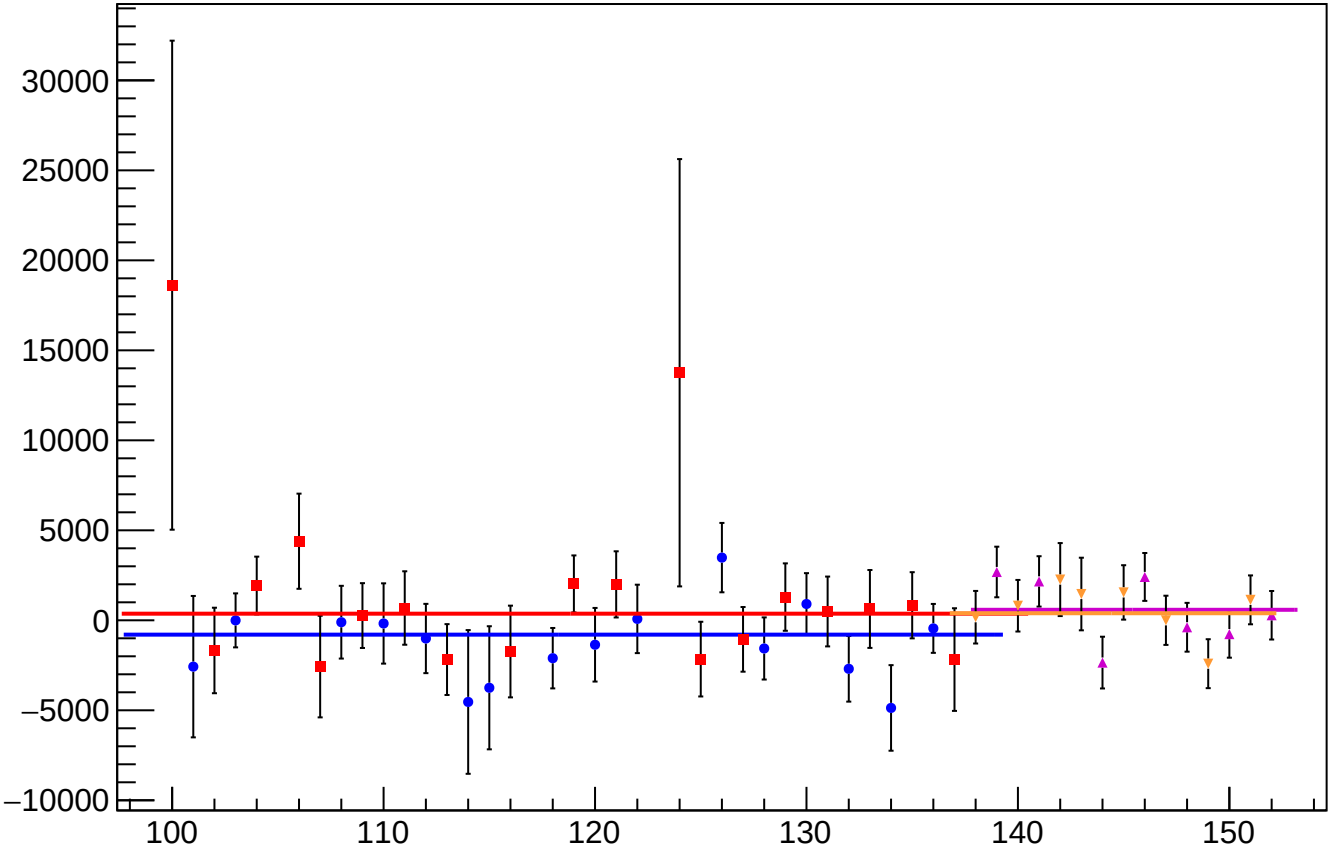
Left In: 302.558+/-0.088 χ^2/NDF:196709.3/6

+ sign 321.139+/-0.071 χ^2/NDF: 6141695.6/23

All: 325.754+/-0.050 χ^2/NDF: 10693843.0/49

- sign 330.320+/-0.071 χ^2/NDF: 4543771.1/25

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 392.327+/-534.468 χ^2/NDF:6.5/7

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

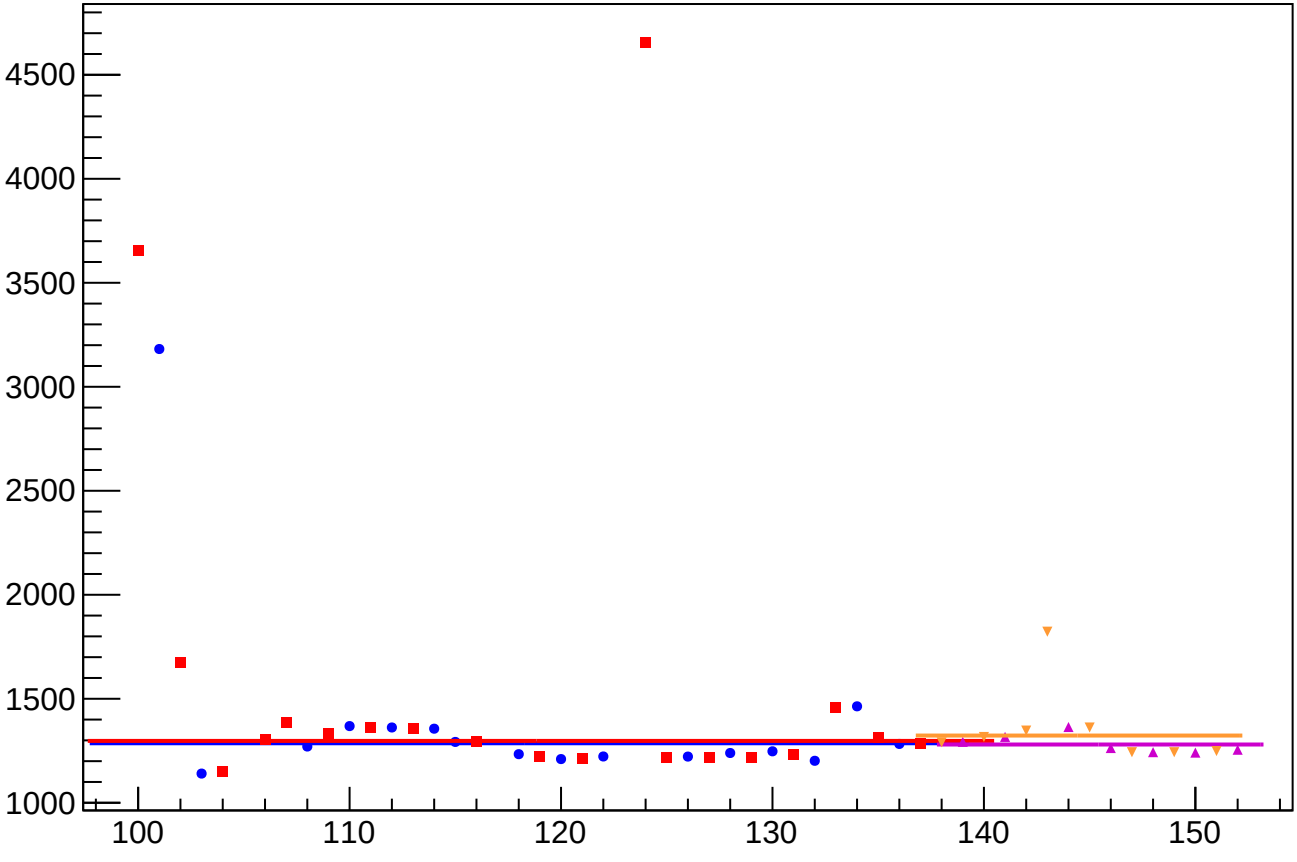
Left In: 583.580+/-516.914 χ^2/NDF:11.2/6

+ sign -256.873+/-360.158 χ^2/NDF: 22.6/23

All: 112.078+/-252.542 χ^2/NDF: 51.6/49

- sign 468.950+/-354.213 χ^2/NDF: 26.9/25

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: 1323.175+/-0.378 χ^2/NDF:145015.8/7

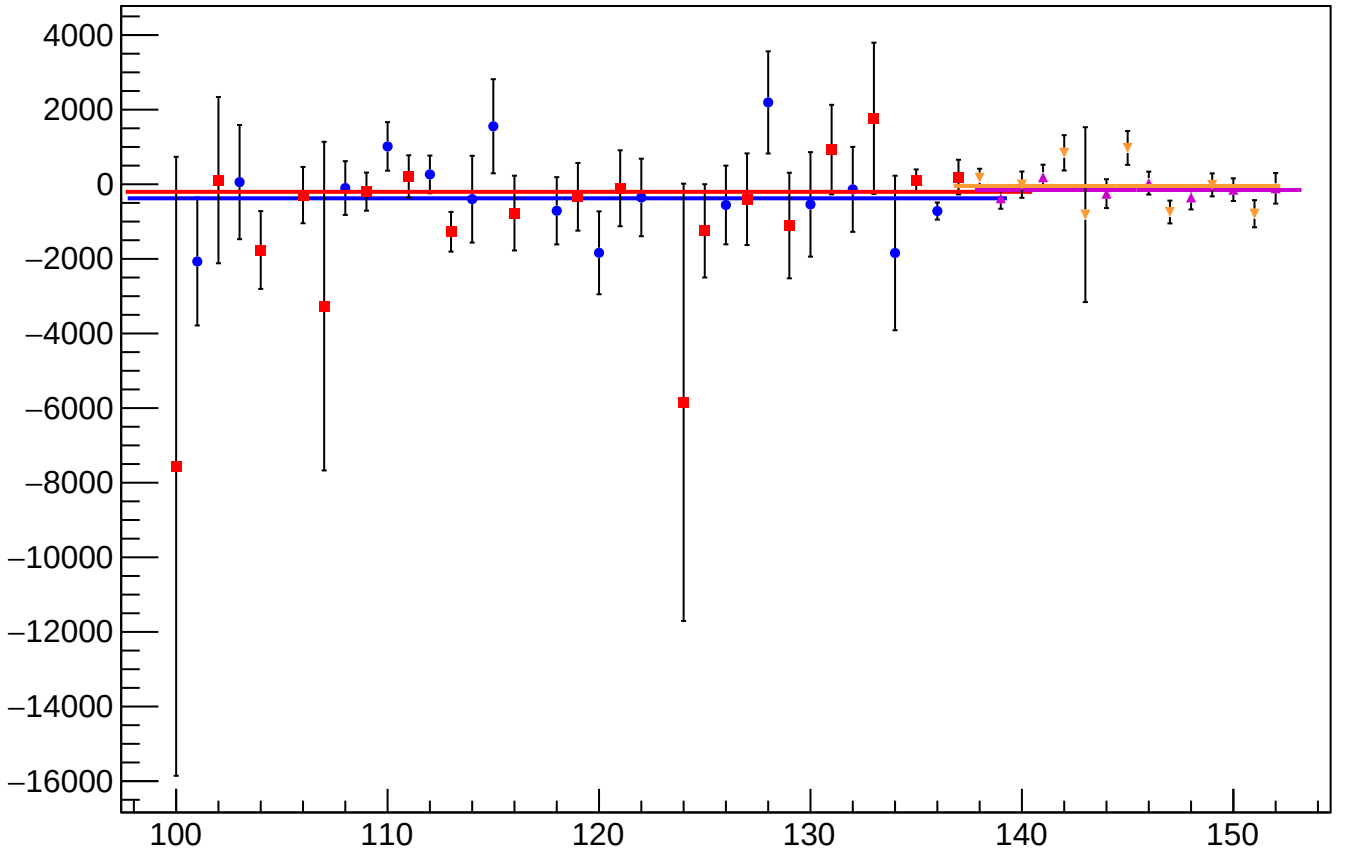
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

+ sign 1302.934+/-0.255 χ^2/NDF: 668398.6/23

All: 1295.988+/-0.179 χ^2/NDF: 1011427.4/49

- sign 1289.270+/-0.250 χ^2/NDF: 341565.6/25



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -45.186+/-125.467 χ^2/NDF:18.9/7

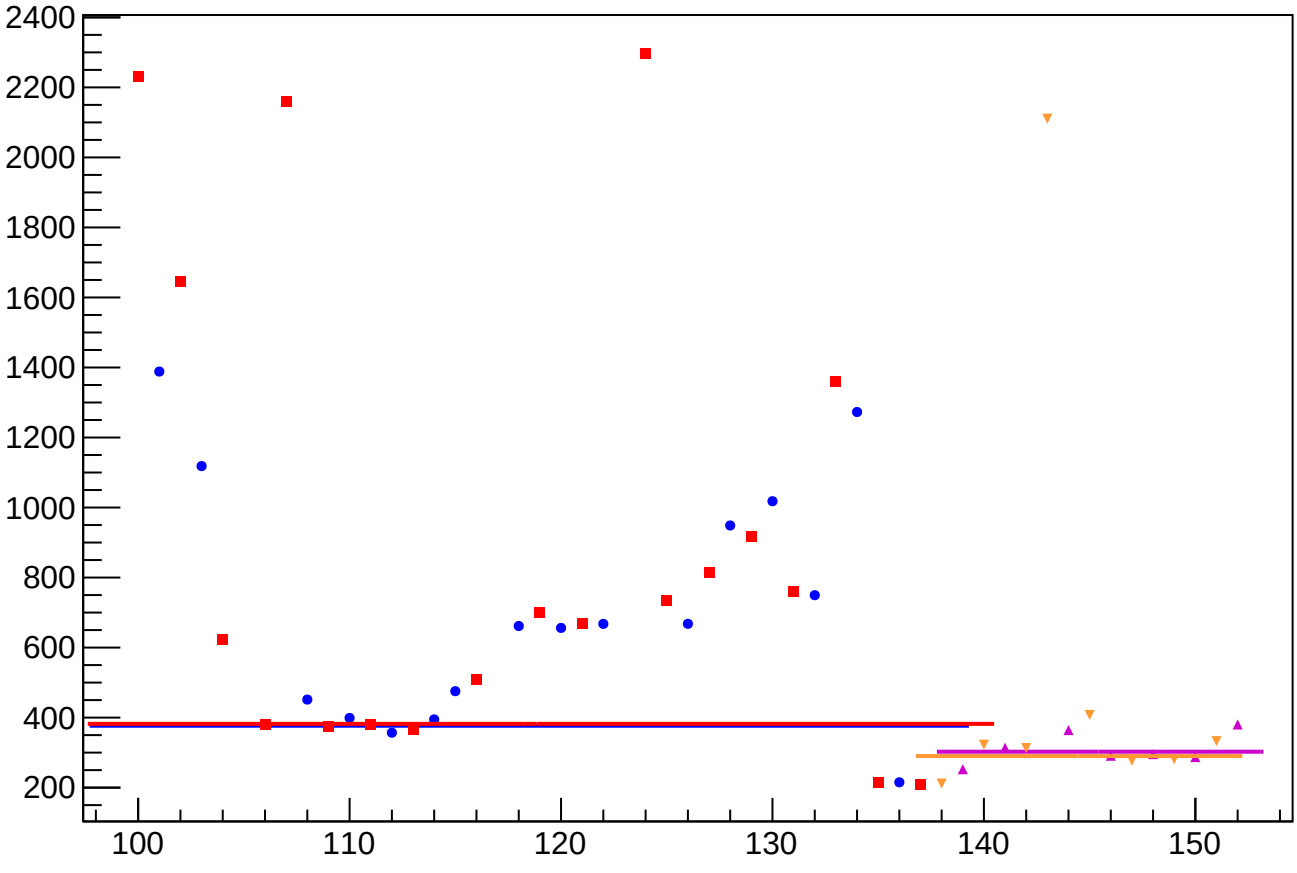
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -152.851+/-123.978 χ^2/NDF:2.5/6

+ sign -163.707+/-100.574 χ^2/NDF: 39.4/23

All: -166.894+/-70.928 χ^2/NDF: 55.9/49

- sign -170.048+/-100.042 χ^2/NDF: 16.6/25



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 290.130+/-0.089 χ^2/NDF:1606585.3/7

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

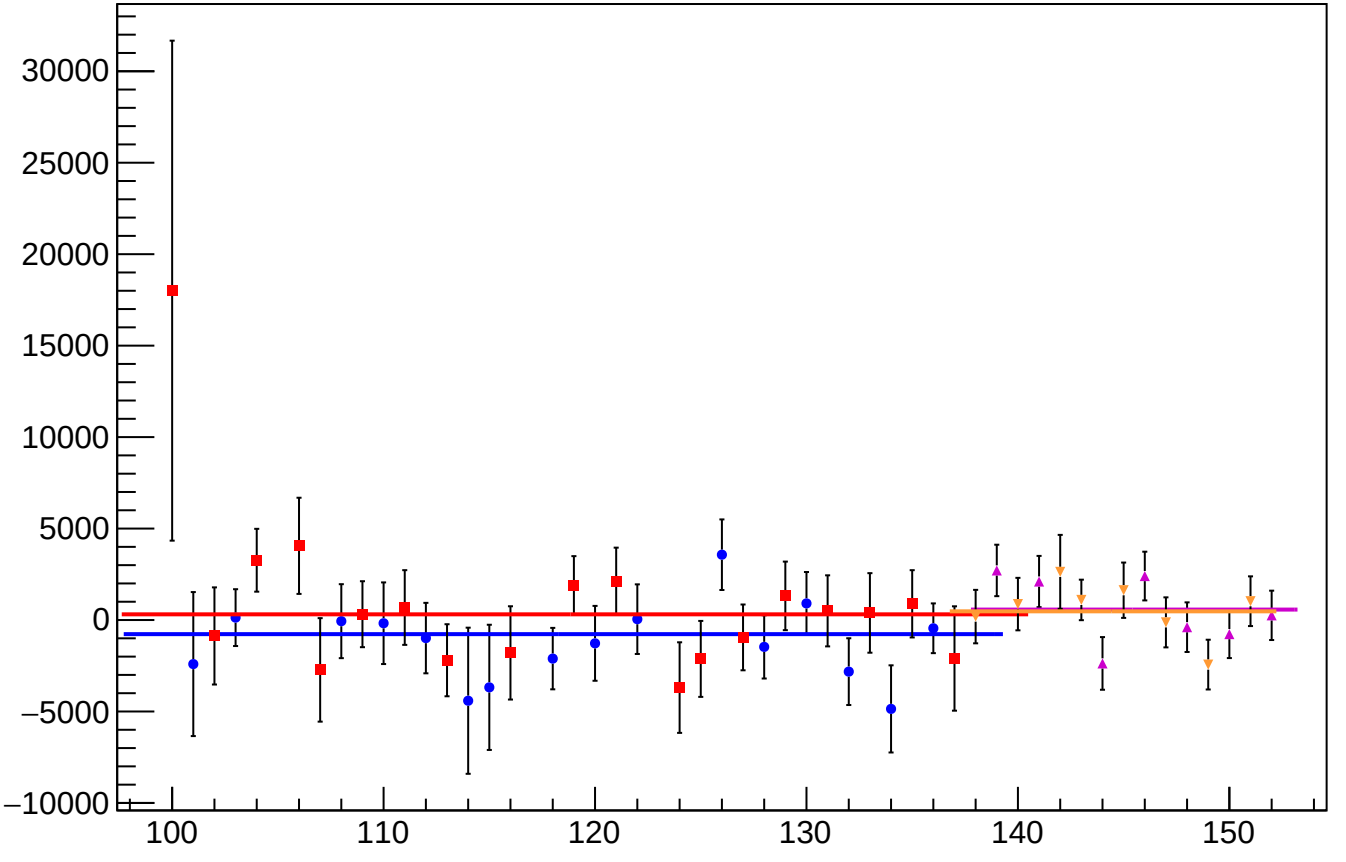
Left In: 302.558+/-0.088 χ^2/NDF:196709.3/6

+ sign 321.139+/-0.071 χ^2/NDF: 6141695.6/23

All: 325.754+/-0.050 χ^2/NDF: 10693843.0/49

- sign 330.320+/-0.071 χ^2/NDF: 4543771.1/25

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 475.610+/-495.763 χ^2/NDF:7.1/7

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

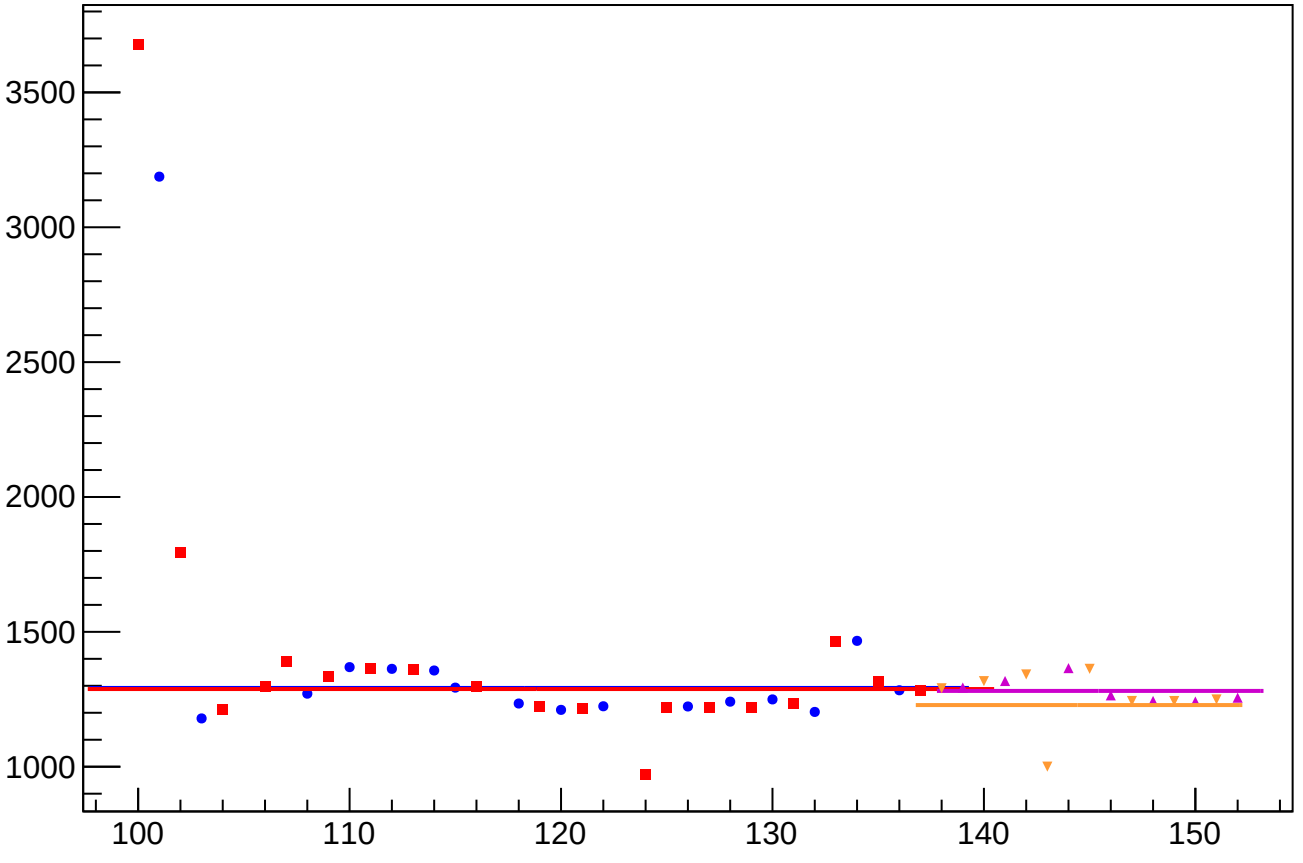
Left In: 571.168+/-517.296 χ^2/NDF:11.2/6

+ sign -155.741+/-348.359 χ^2/NDF: 23.9/23

All: 134.477+/-247.915 χ^2/NDF: 54.6/49

- sign 432.302+/-352.895 χ^2/NDF: 29.3/25

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1228.585+/-0.351 χ^2/NDF:119342.2/7

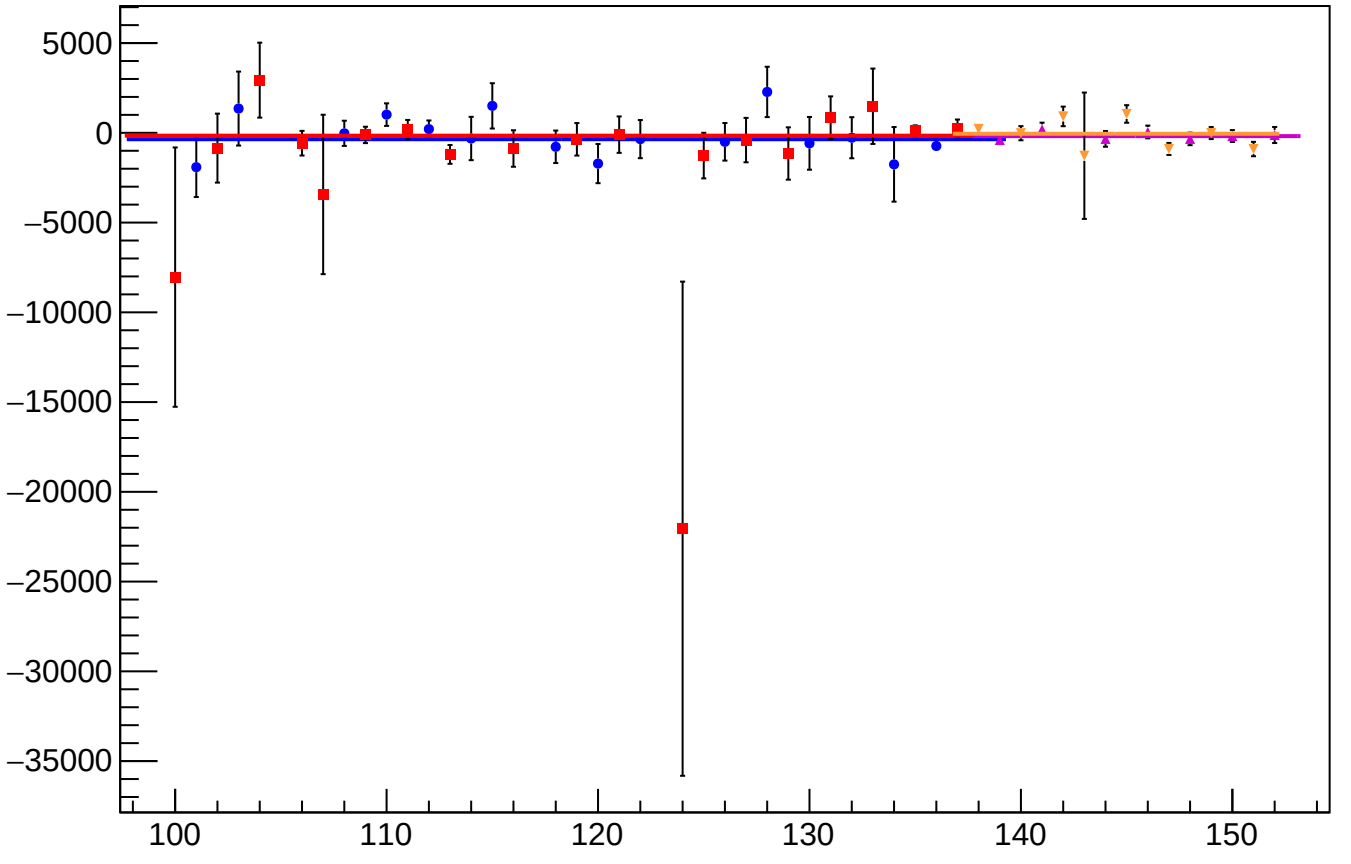
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1281.030+/-0.366 χ^2/NDF:12720.2/6

+ sign 1260.708+/-0.246 χ^2/NDF: 645334.6/23

All: 1272.574+/-0.175 χ^2/NDF: 872158.4/49

- sign 1284.750+/-0.250 χ^2/NDF: 222122.5/25



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -51.724+/-134.871 χ^2/NDF:20.5/7

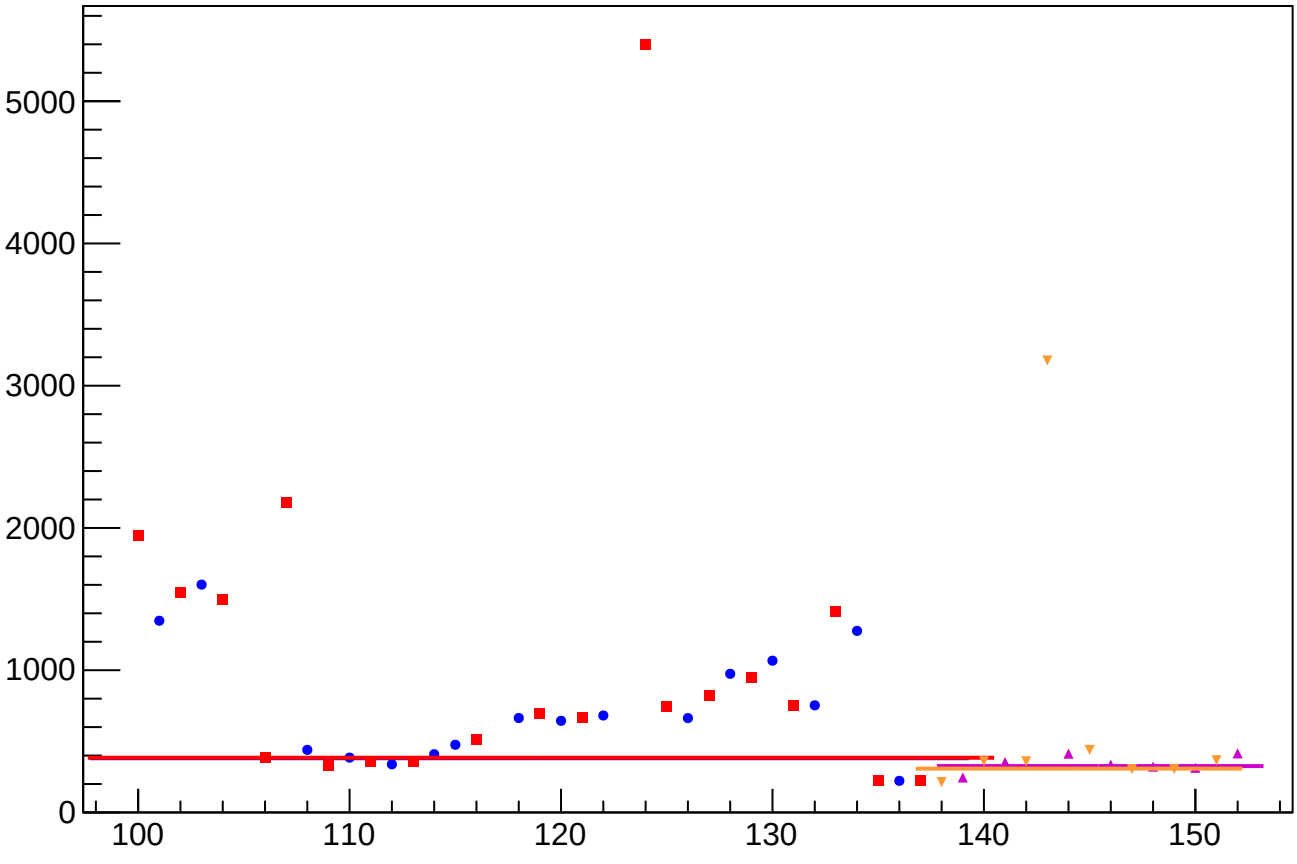
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -183.633+/-134.428 χ^2/NDF:2.3/6

+ sign -168.987+/-105.651 χ^2/NDF: 40.9/23

All: -171.359+/-74.605 χ^2/NDF: 59.0/49

- sign -173.718+/-105.364 χ^2/NDF: 18.2/25



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 308.361+/-0.095 χ^2/NDF:1870928.1/7

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

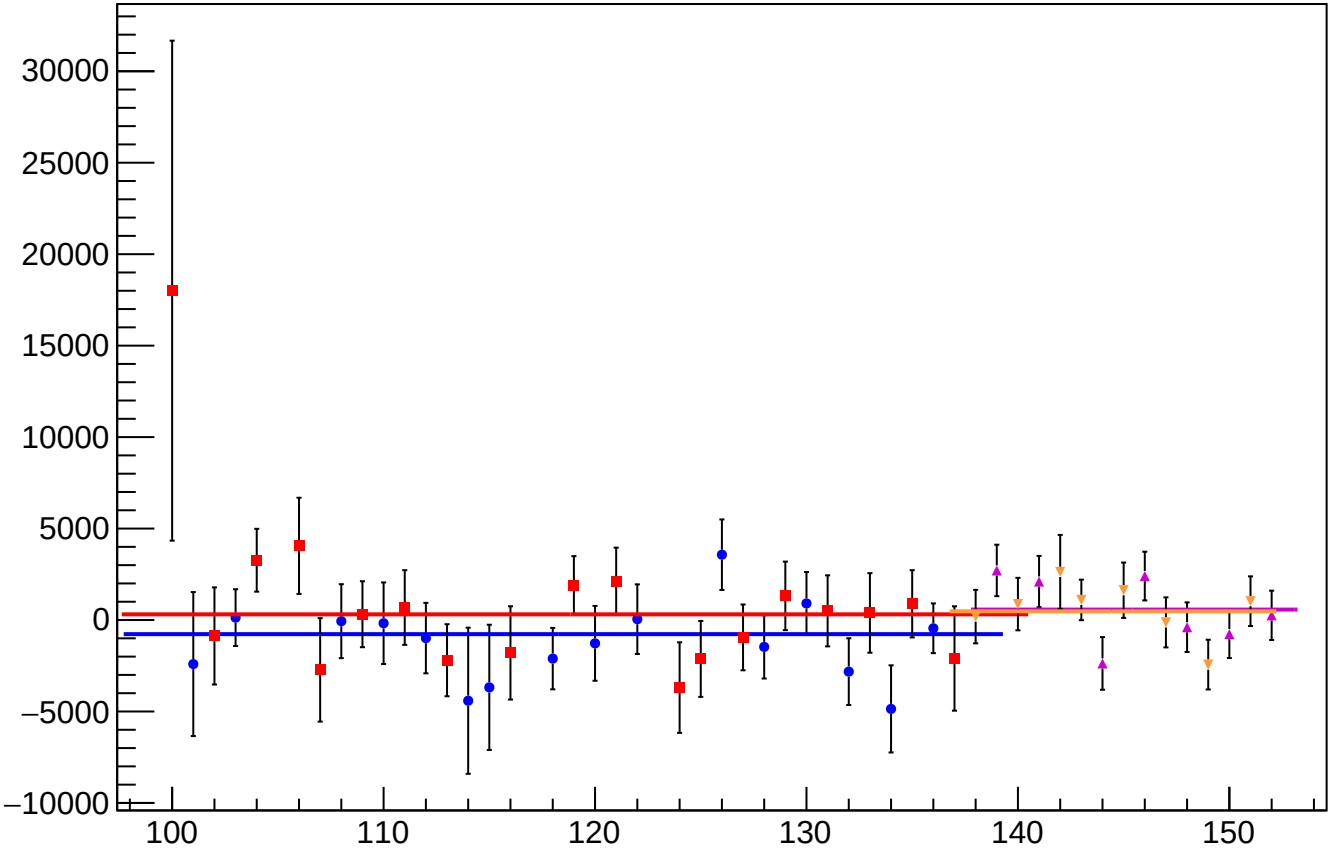
Left In: 325.974+/-0.095 χ^2/NDF:341981.8/6

+ sign 336.561+/-0.075 χ^2/NDF: 6415156.8/23

All: 342.598+/-0.053 χ^2/NDF: 11477330.4/49

- sign 348.603+/-0.075 χ^2/NDF: 5049147.0/25

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: 475.610+/-495.763 χ^2/NDF:7.1/7

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

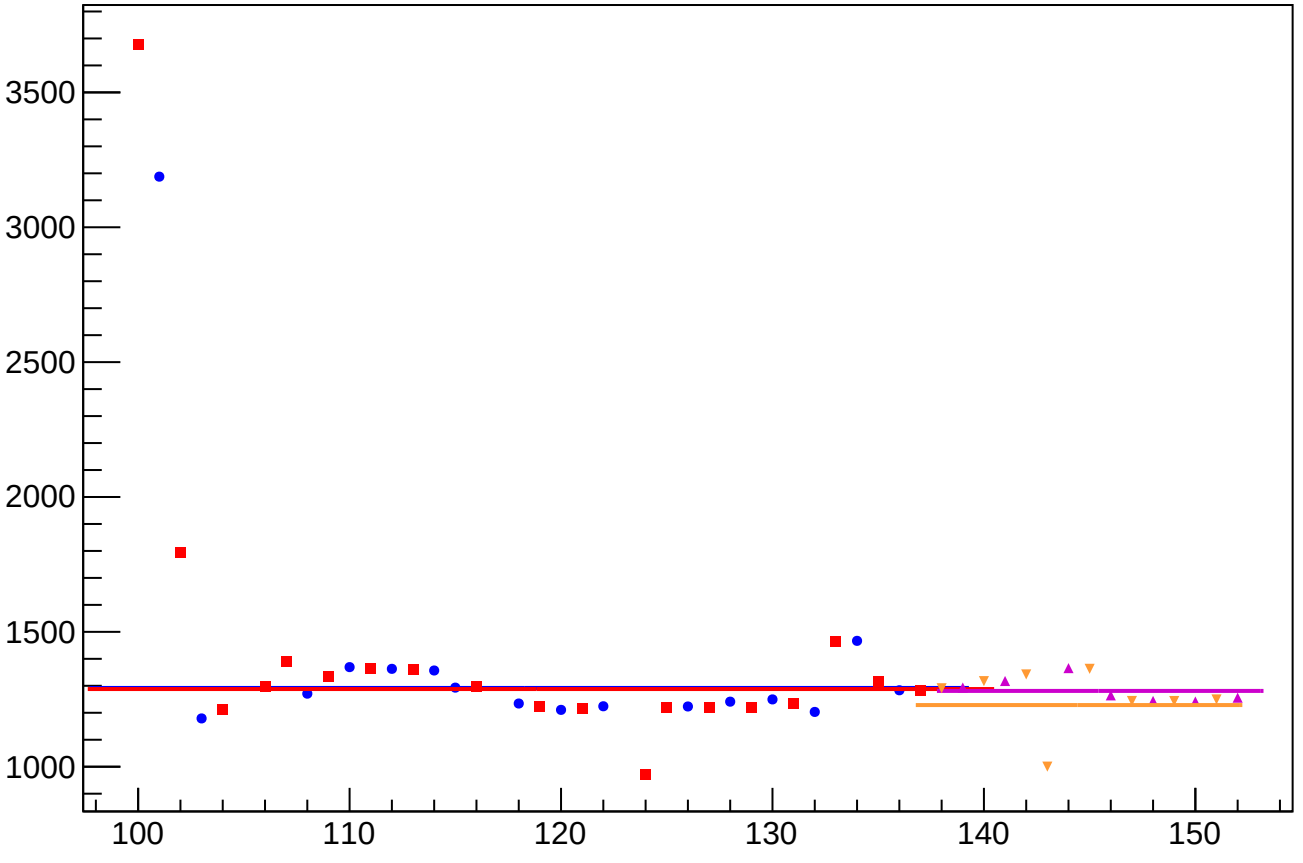
Left In: 571.165+/-517.296 χ^2/NDF:11.2/6

+ sign -155.743+/-348.359 χ^2/NDF: 23.9/23

All: 134.476+/-247.915 χ^2/NDF: 54.6/49

- sign 432.301+/-352.895 χ^2/NDF: 29.3/25

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: 1228.586+/-0.351 χ^2/NDF:119341.5/7

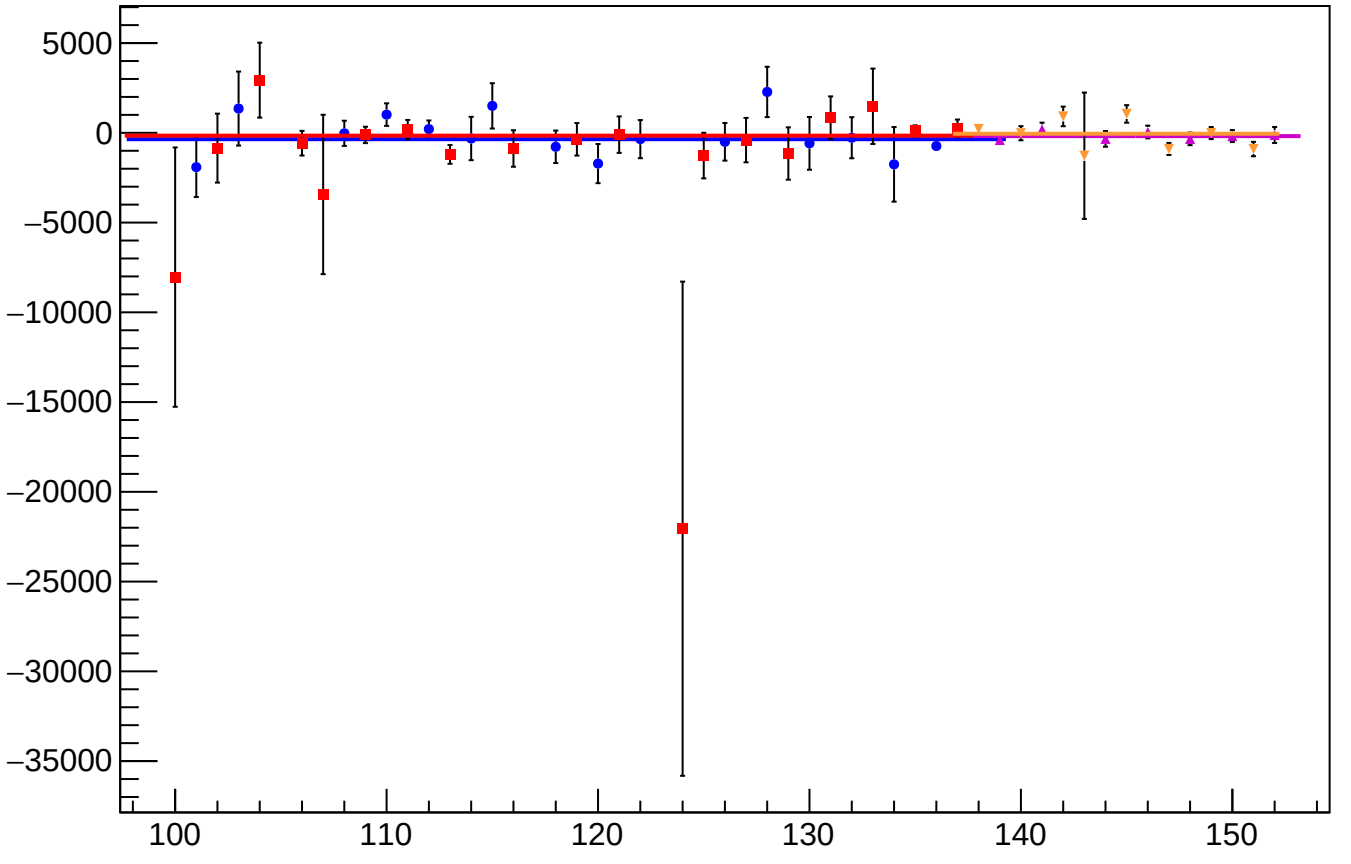
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1281.030+/-0.366 χ^2/NDF:12720.3/6

+ sign 1260.709+/-0.246 χ^2/NDF: 645333.7/23

All: 1272.574+/-0.175 χ^2/NDF: 872157.7/49

- sign 1284.750+/-0.250 χ^2/NDF: 222122.8/25



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -51.734+/-134.873 χ^2/NDF:20.5/7

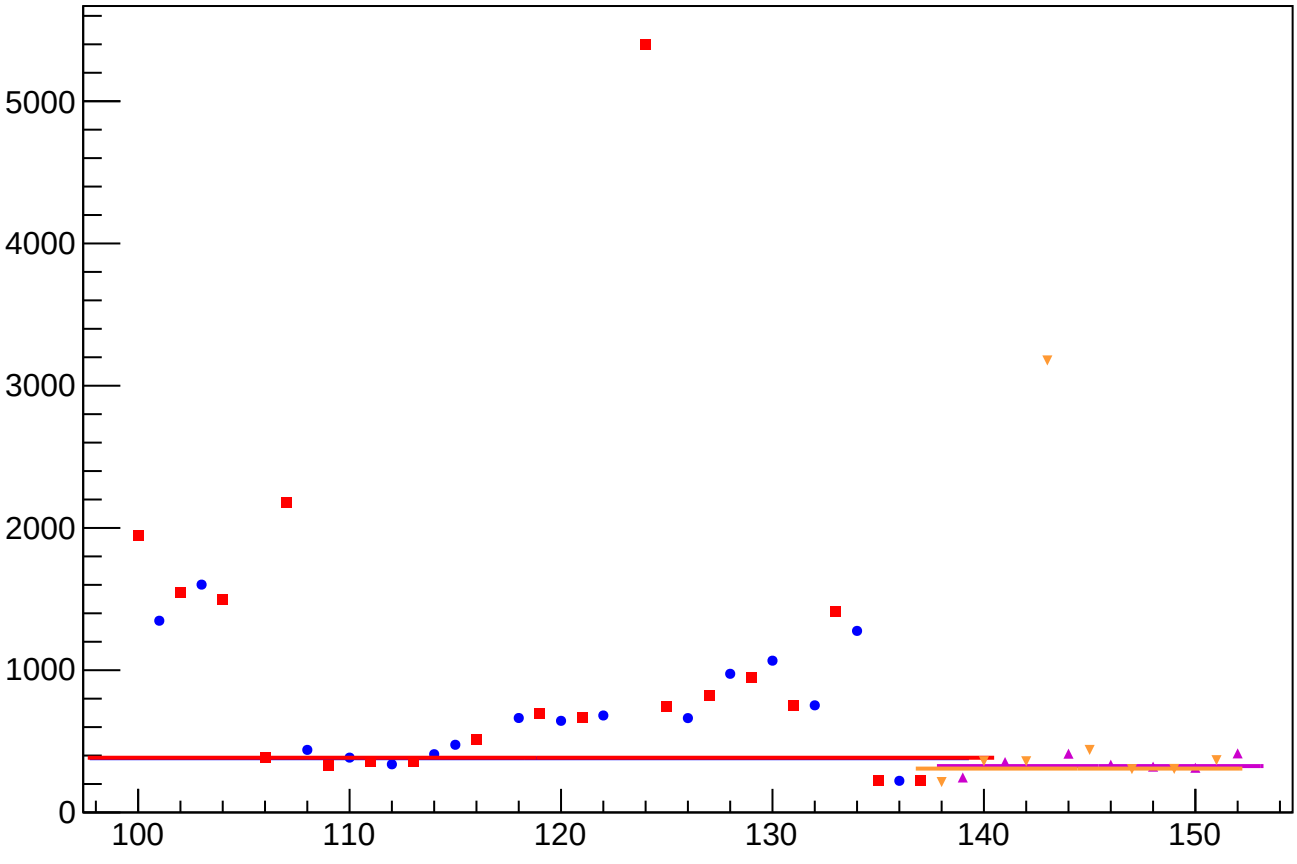
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -183.634+/-134.429 χ^2/NDF:2.3/6

+ sign -168.993+/-105.653 χ^2/NDF: 40.9/23

All: -171.364+/-74.606 χ^2/NDF: 59.0/49

- sign -173.721+/-105.365 χ^2/NDF: 18.2/25



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 308.368+/-0.095 χ^2/NDF:1870813.5/7

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

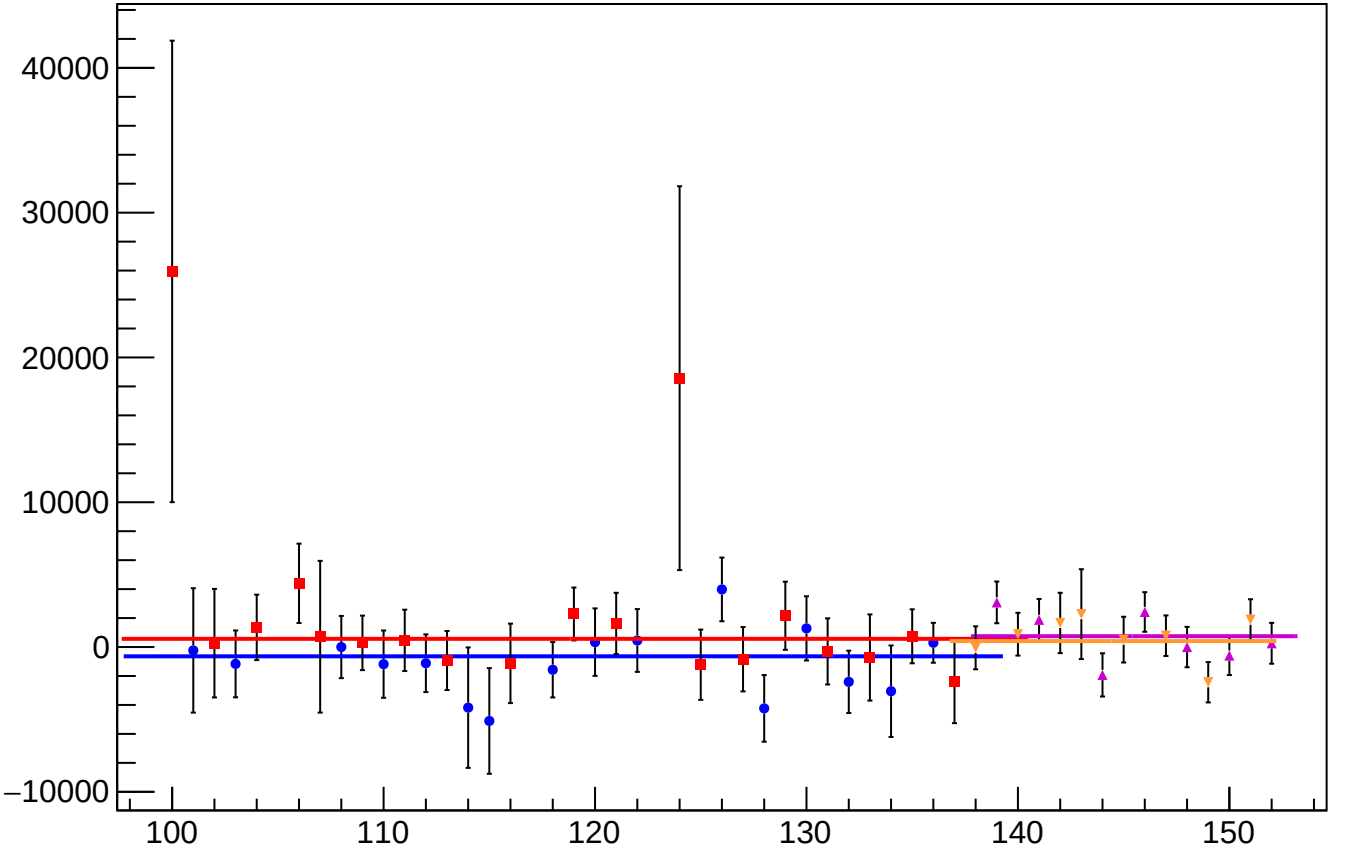
Left In: 325.979+/-0.095 χ^2/NDF:341907.6/6

+ sign 336.570+/-0.075 χ^2/NDF: 6414865.7/23

All: 342.606+/-0.053 χ^2/NDF: 11476829.3/49

- sign 348.609+/-0.075 χ^2/NDF: 5048942.3/25

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 411.687+/-561.099 χ^2/NDF:6.3/7

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

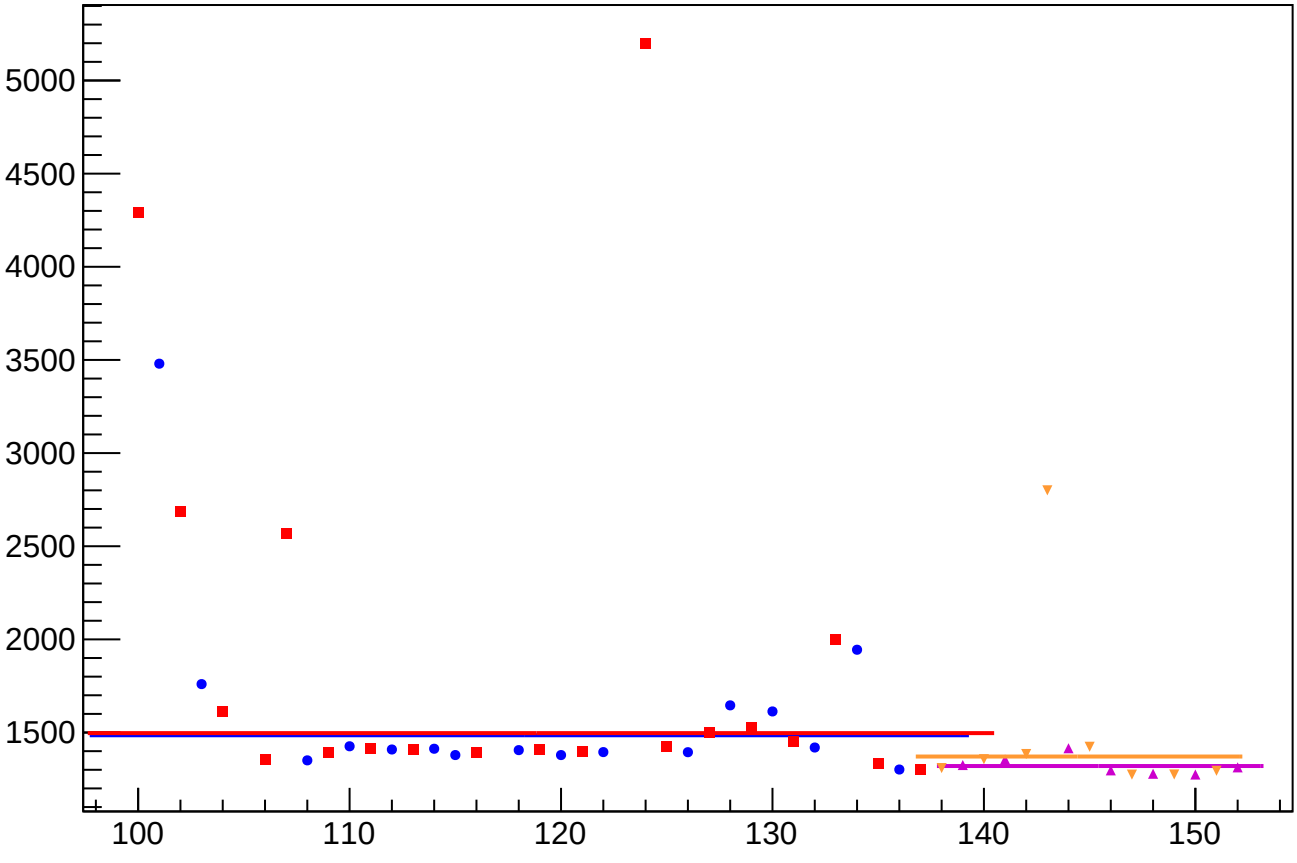
Left In: 747.382+/-533.169 χ^2/NDF:9.4/6

+ sign -111.513+/-397.907 χ^2/NDF: 20.5/23

All: 285.068+/-277.920 χ^2/NDF: 43.2/49

- sign 662.816+/-388.344 χ^2/NDF: 20.7/25

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1371.200+/-0.397 χ^2/NDF:455087.4/7

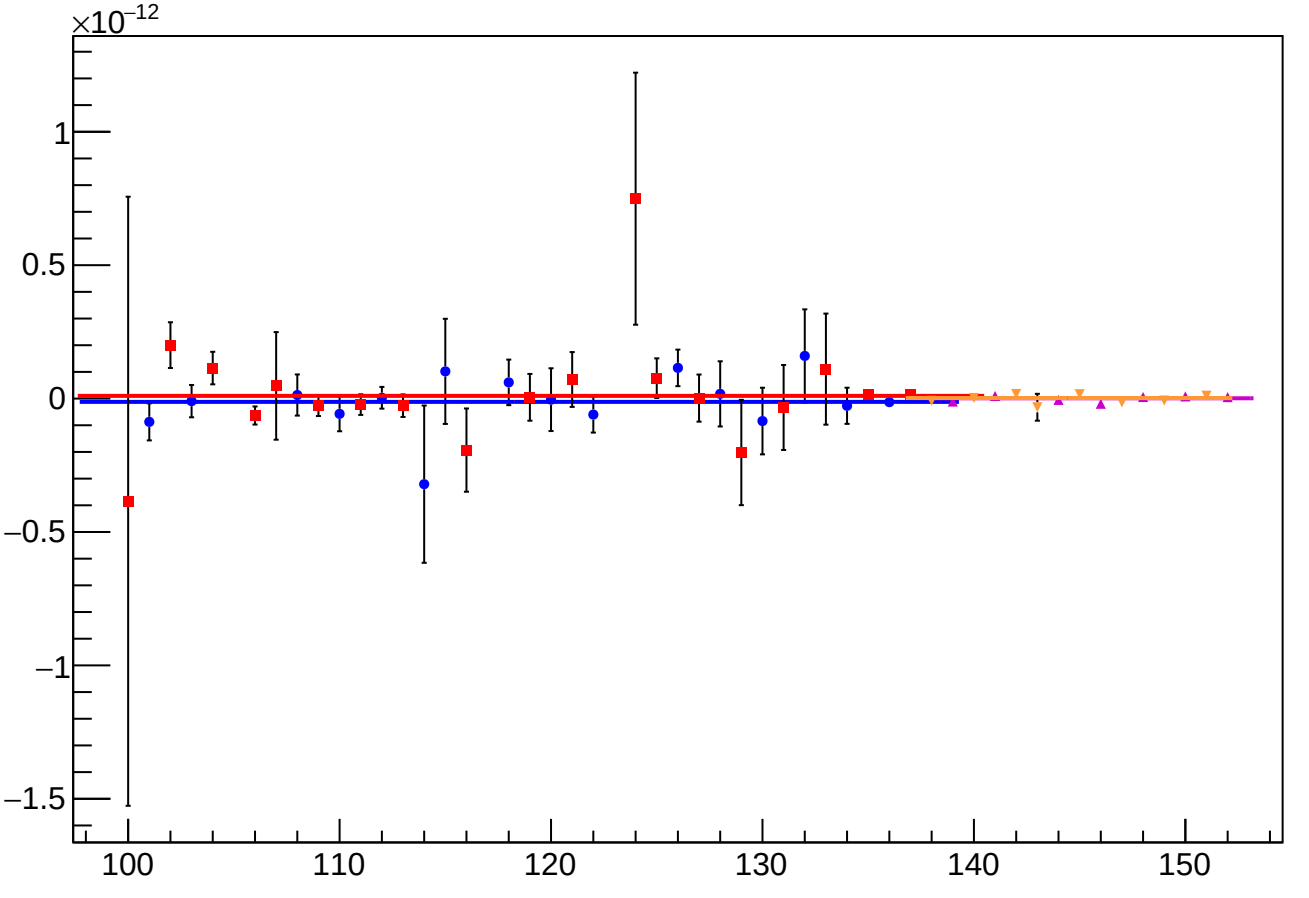
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1320.213+/-0.377 χ^2/NDF:14095.6/6

+ sign 1427.954+/-0.281 χ^2/NDF: 1080720.0/23

All: 1415.249+/-0.197 χ^2/NDF: 1825165.2/49

- sign 1403.147+/-0.275 χ^2/NDF: 740464.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/7

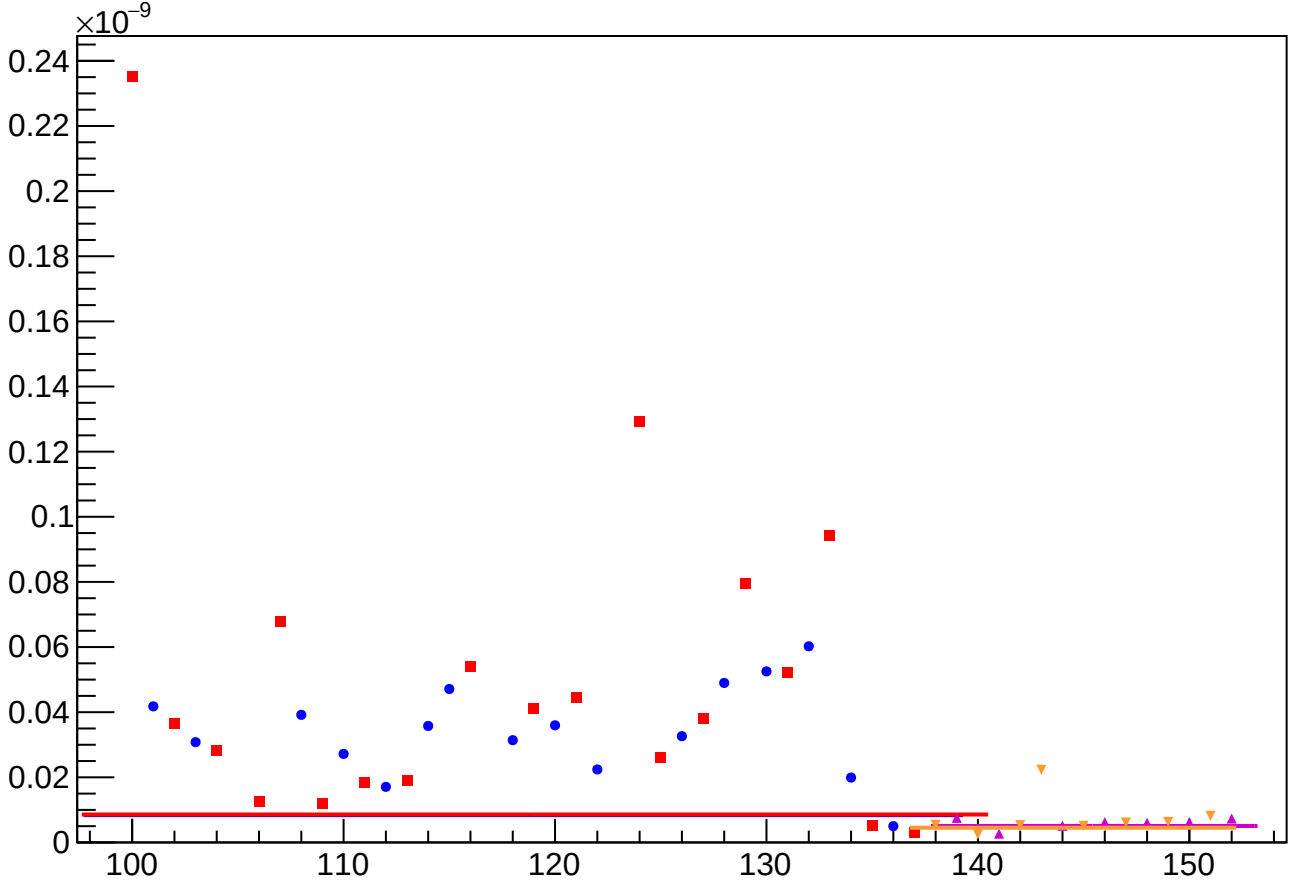
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/23

All: 0.000+/-0.000 χ^2/NDF: 55.2/49

- sign 0.000+/-0.000 χ^2/NDF: 32.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:910322.7/7

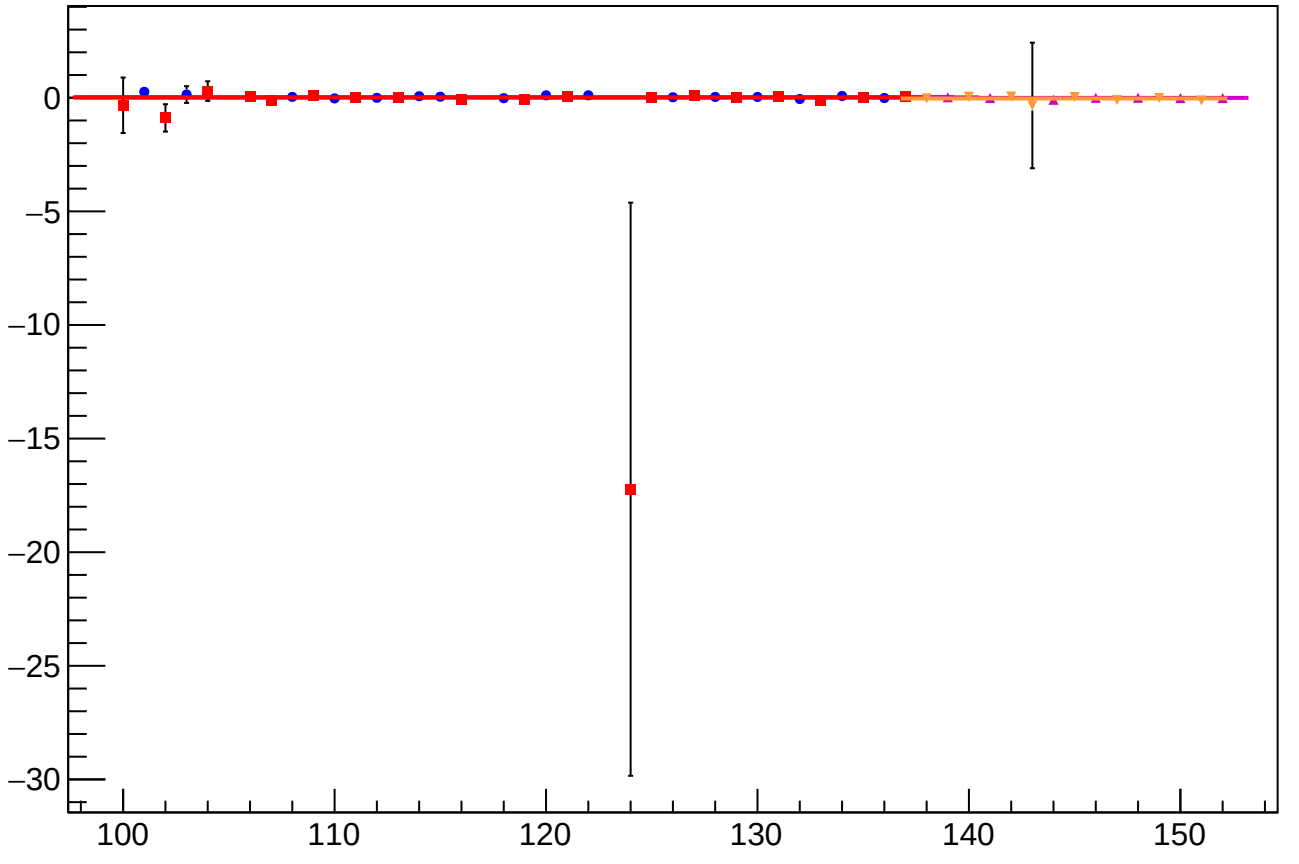
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:566513.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 4426698.4/23

All: 0.000+/-0.000 χ^2/NDF: 8693659.3/49

- sign 0.000+/-0.000 χ^2/NDF: 4242031.7/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

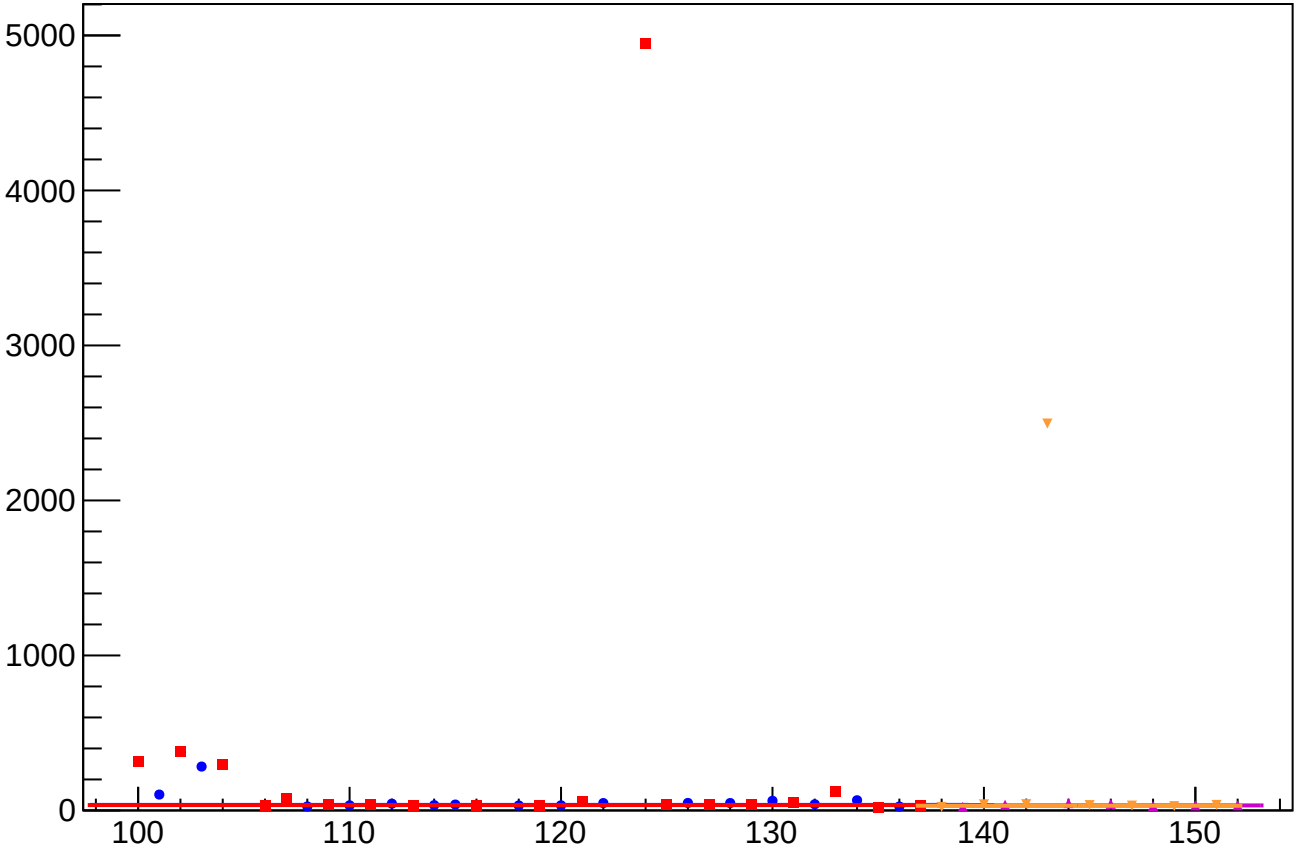
Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.007 χ^2/NDF: 53.0/49

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942632.7/7

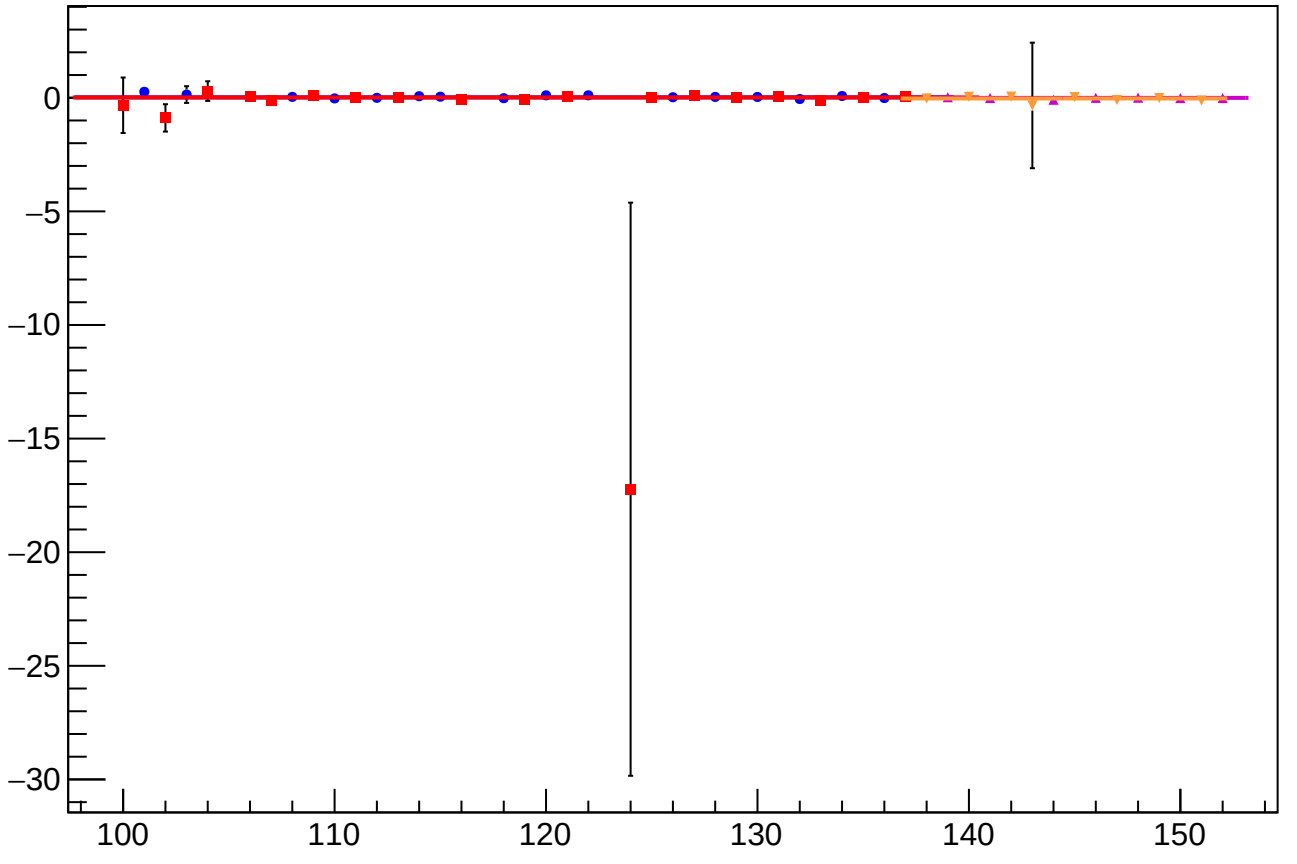
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.493+/-0.010 χ^2/NDF:481357.8/6

+ sign 32.853+/-0.007 χ^2/NDF: 4337831.1/23

All: 33.203+/-0.005 χ^2/NDF: 7761131.0/49

- sign 33.562+/-0.008 χ^2/NDF: 3418799.3/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

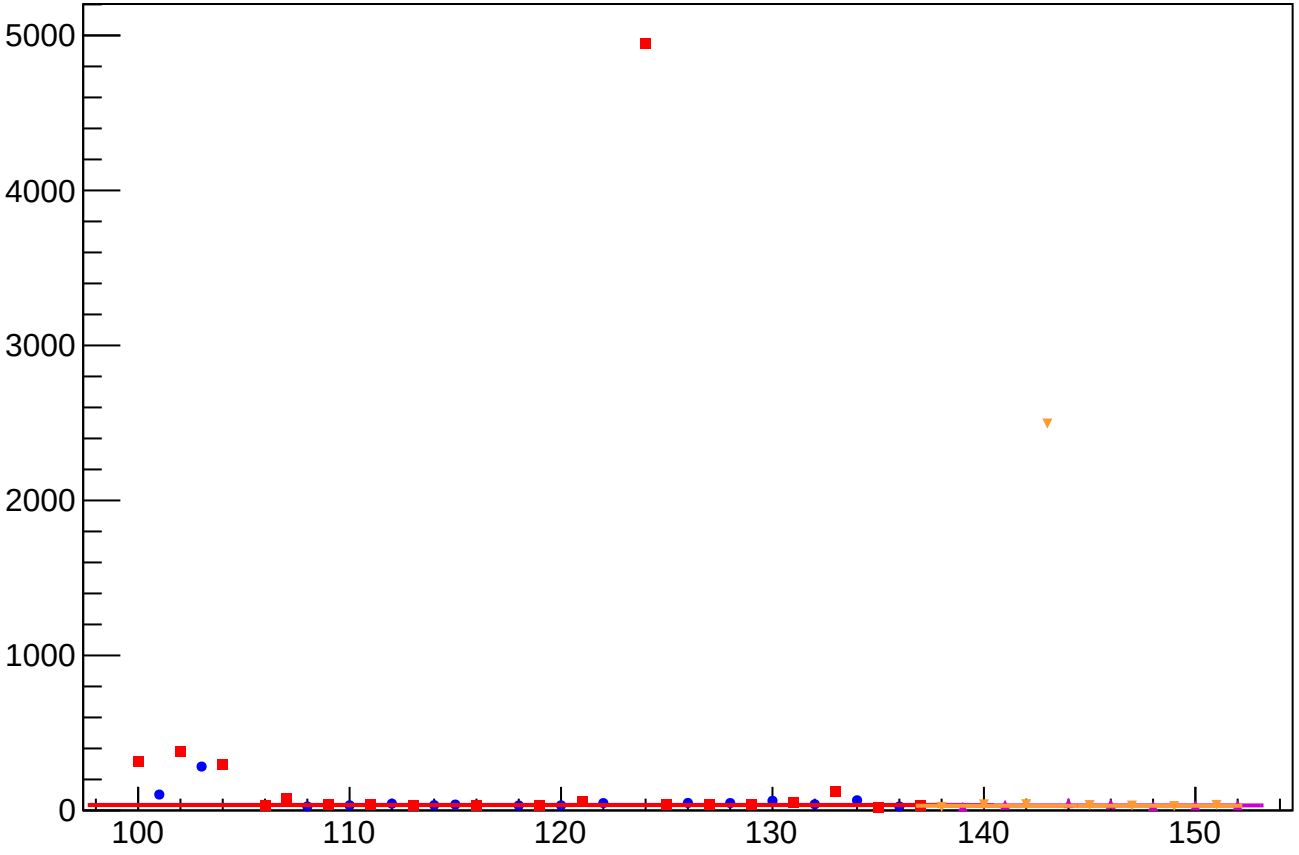
Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.007 χ^2/NDF: 53.0/49

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942632.7/7

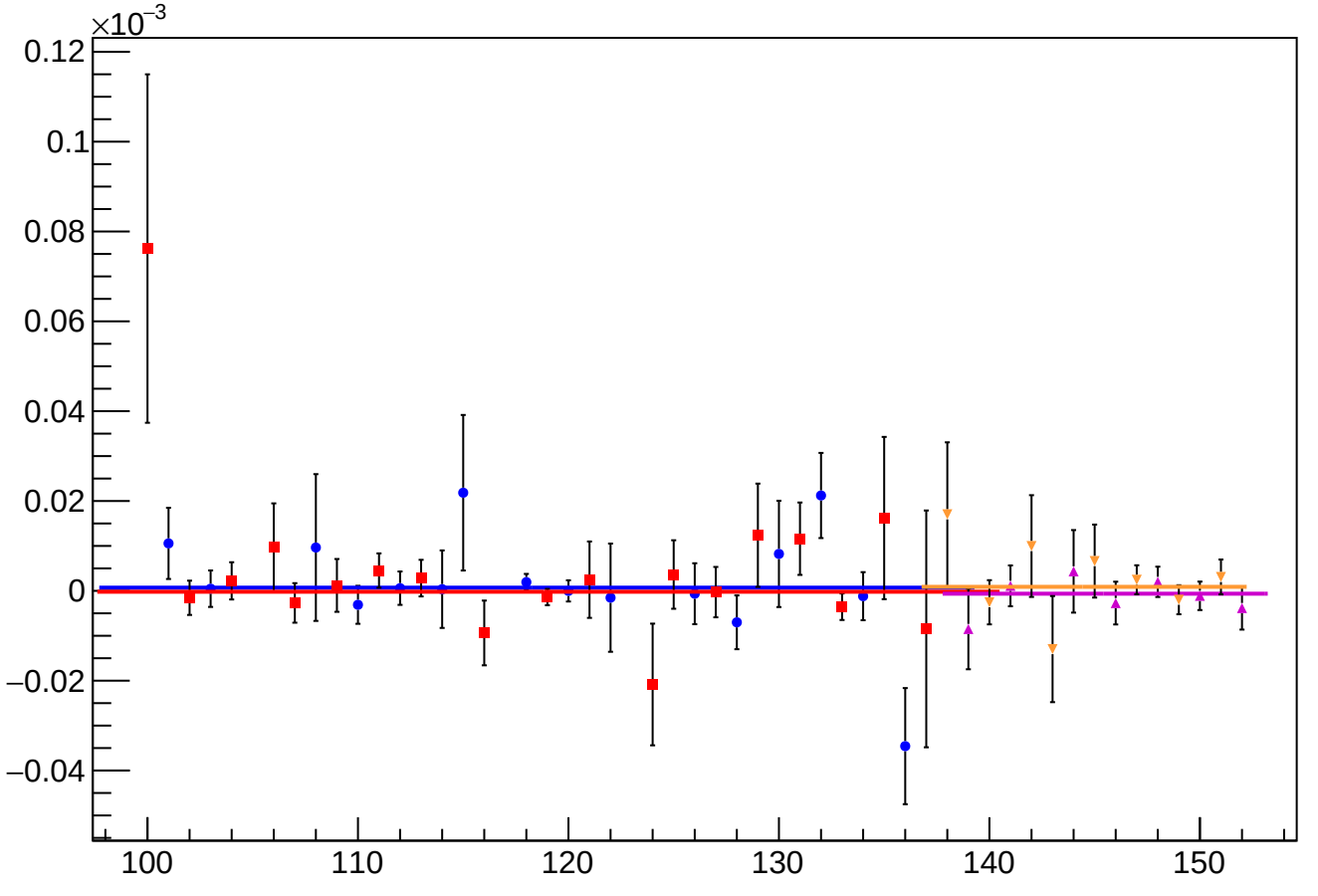
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.493+/-0.010 χ^2/NDF:481357.8/6

+ sign 32.853+/-0.007 χ^2/NDF: 4337831.1/23

All: 33.203+/-0.005 χ^2/NDF: 7761131.0/49

- sign 33.562+/-0.008 χ^2/NDF: 3418799.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/7

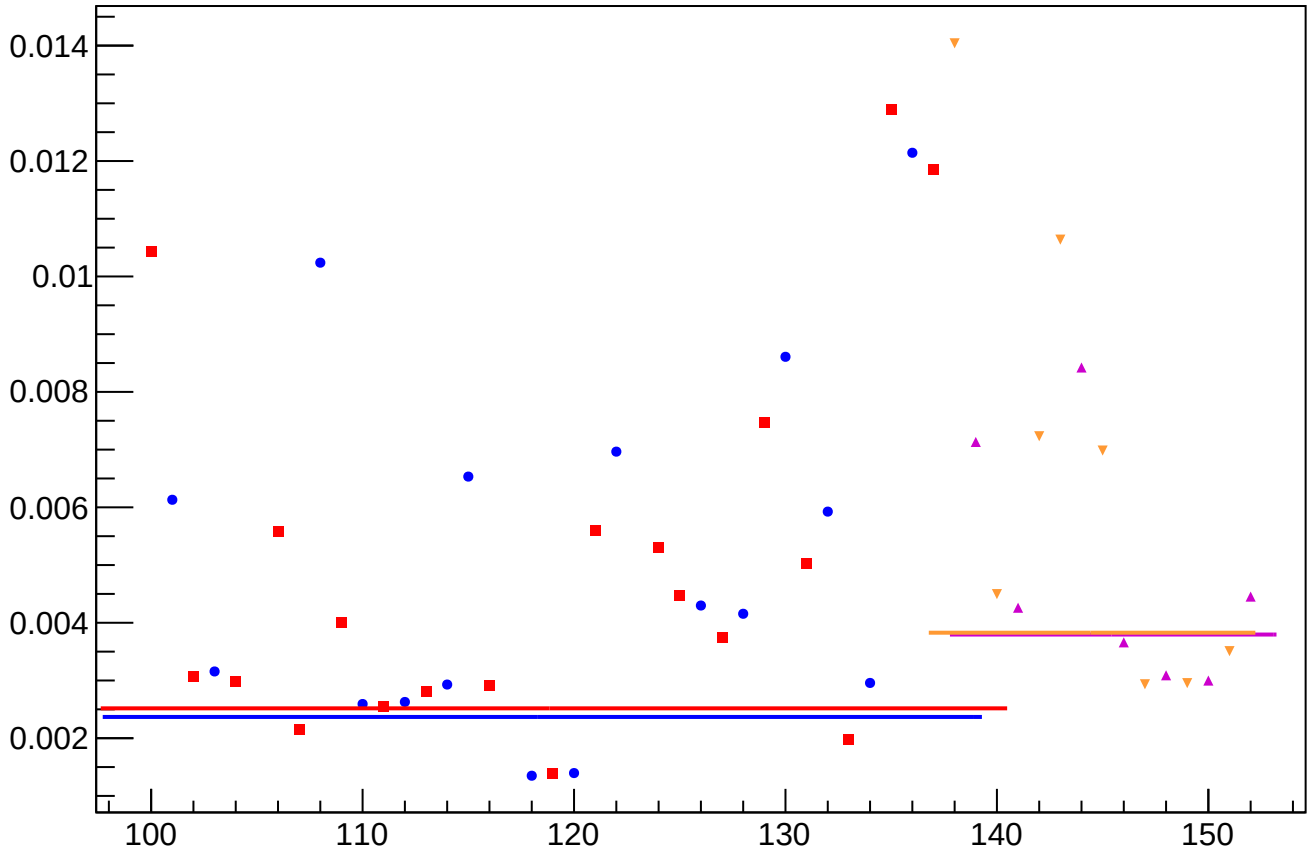
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 24.5/23

All: 0.000+/-0.000 χ^2/NDF: 45.8/49

- sign -0.000+/-0.000 χ^2/NDF: 20.6/25



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2308461.7/7

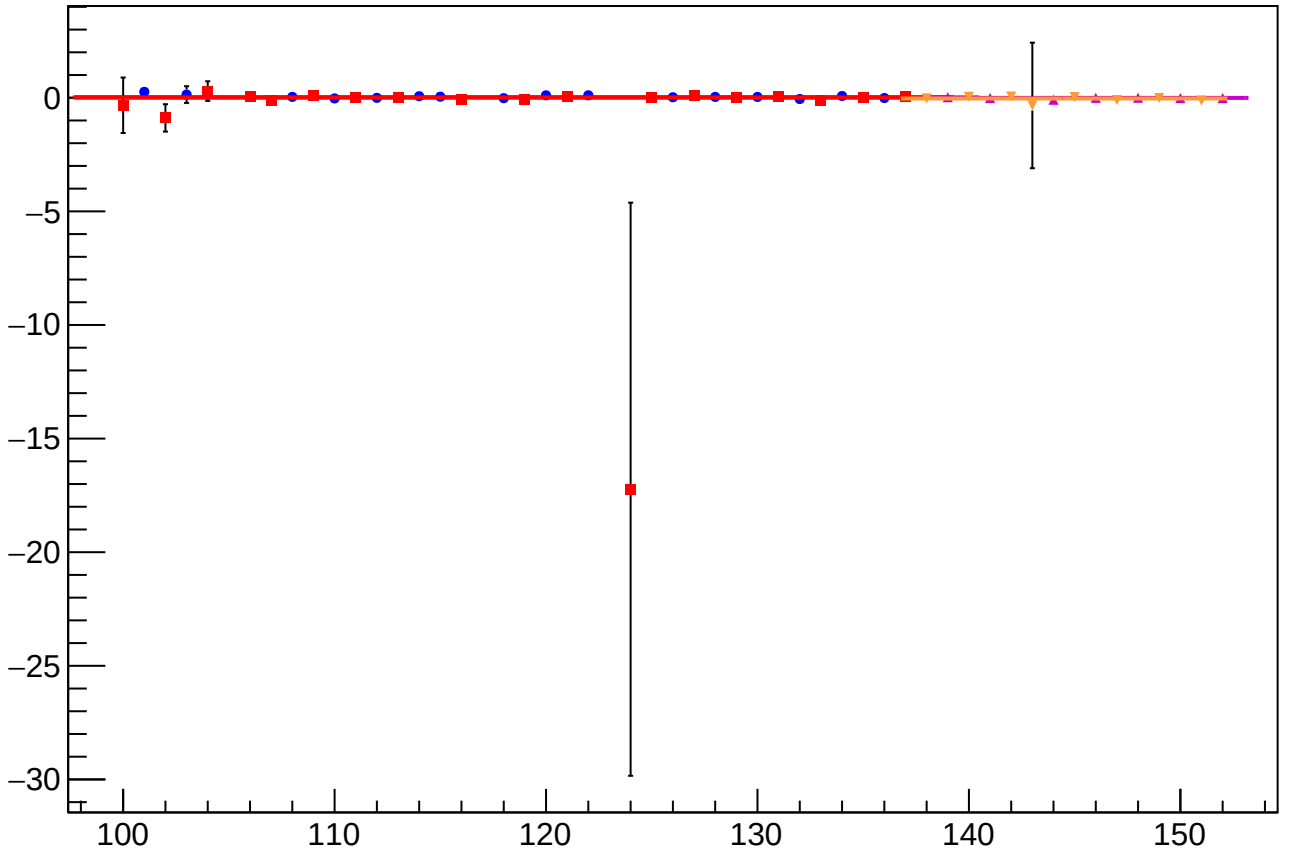
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1057970.7/6

+ sign 0.003+/-0.000 χ^2/NDF: 8038601.5/23

All: 0.003+/-0.000 χ^2/NDF: 13318922.0/49

- sign 0.003+/-0.000 χ^2/NDF: 5271188.7/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

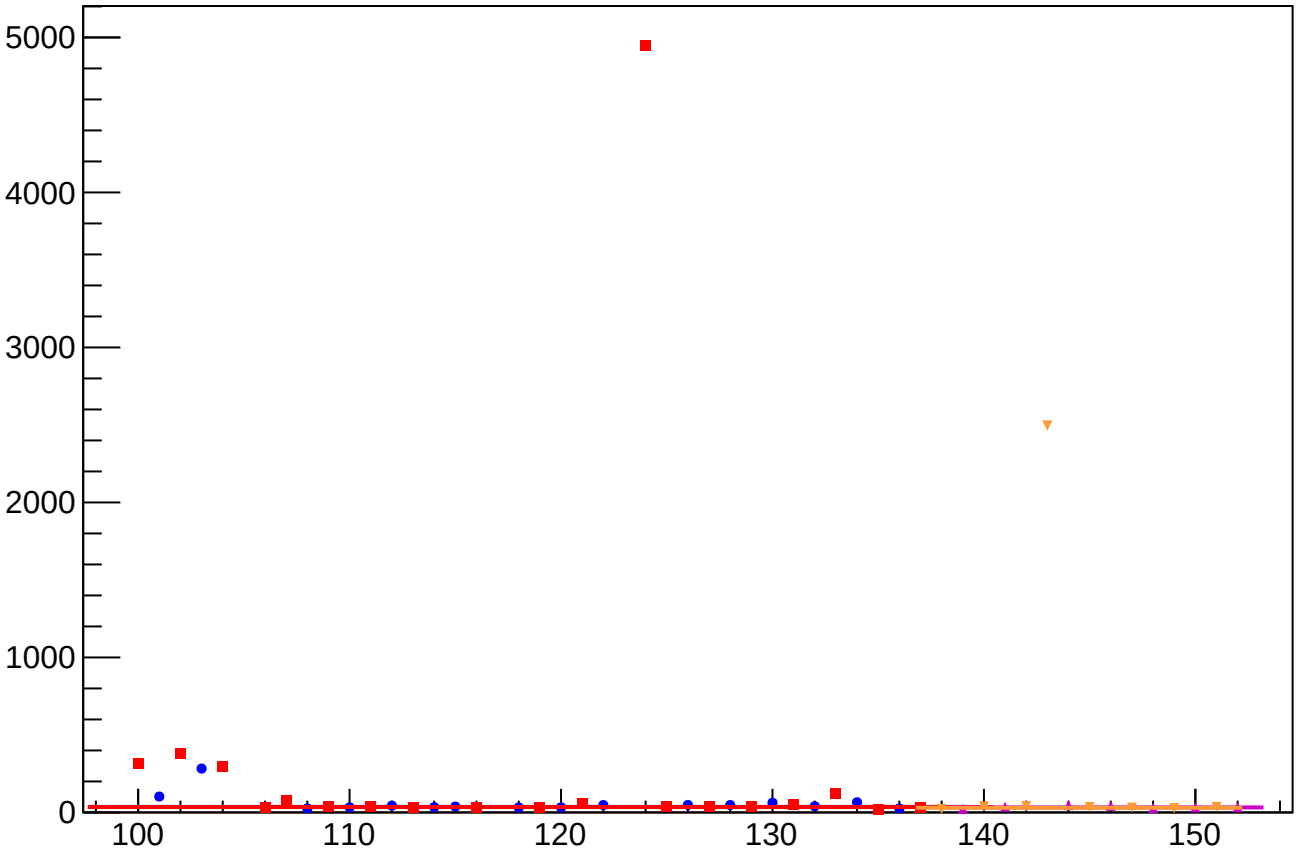
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.007 χ^2/NDF: 53.0/49

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942865.4/7

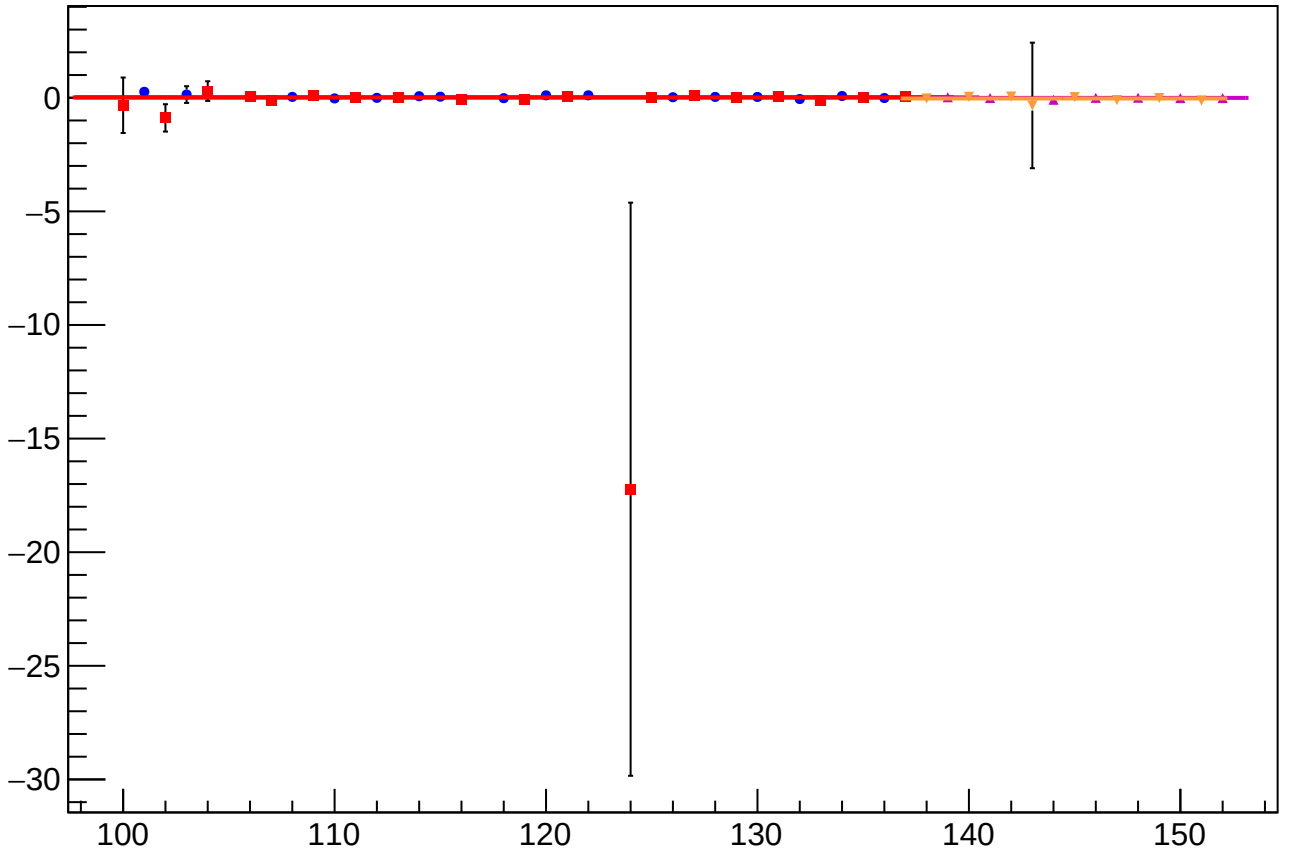
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.491+/-0.010 χ^2/NDF:481691.3/6

+ sign 32.853+/-0.007 χ^2/NDF: 4337866.0/23

All: 33.203+/-0.005 χ^2/NDF: 7761371.1/49

- sign 33.562+/-0.008 χ^2/NDF: 3419021.0/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

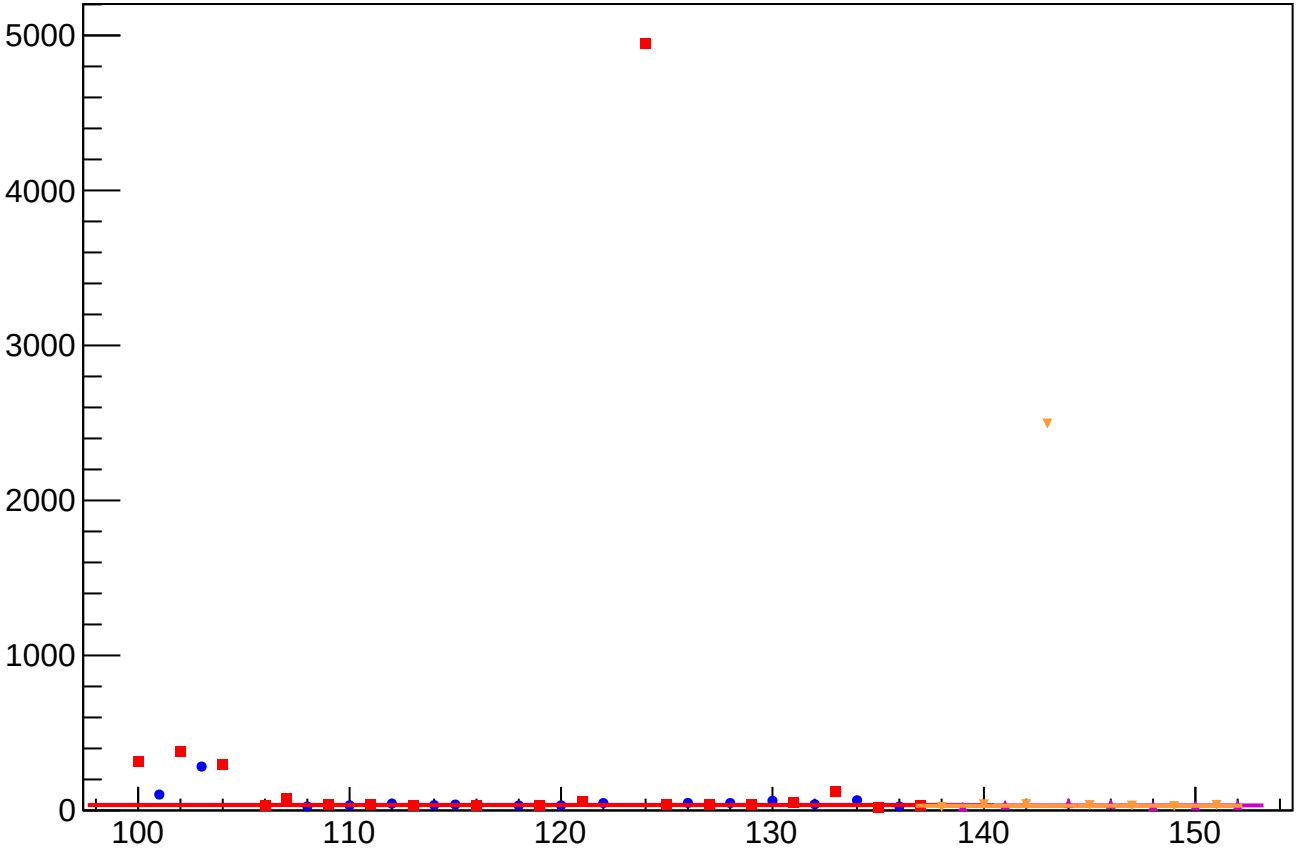
Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.007 χ^2/NDF: 53.0/49

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942865.4/7

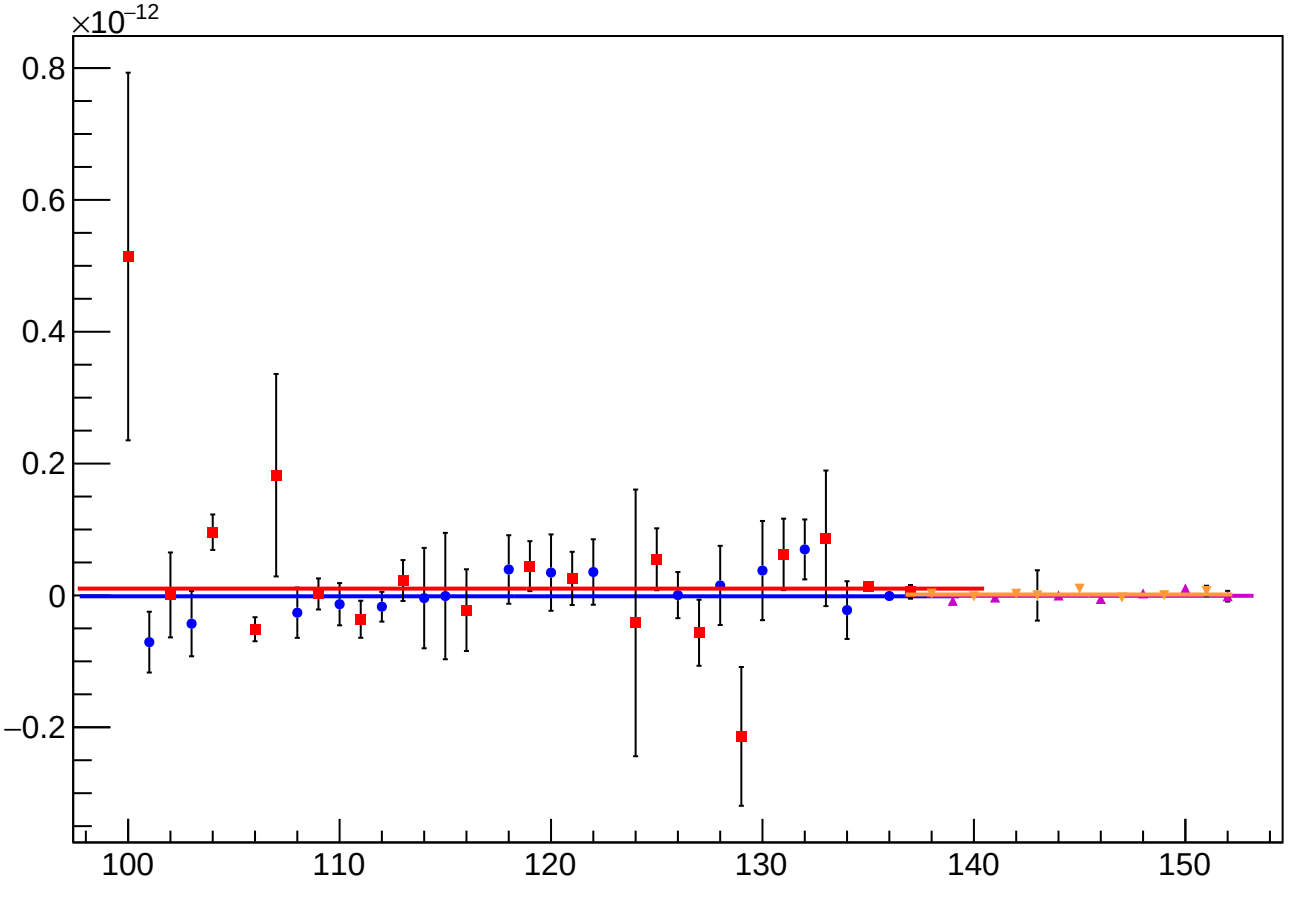
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.491+/-0.010 χ^2/NDF:481691.3/6

+ sign 32.853+/-0.007 χ^2/NDF: 4337866.0/23

All: 33.203+/-0.005 χ^2/NDF: 7761371.1/49

- sign 33.562+/-0.008 χ^2/NDF: 3419021.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/7

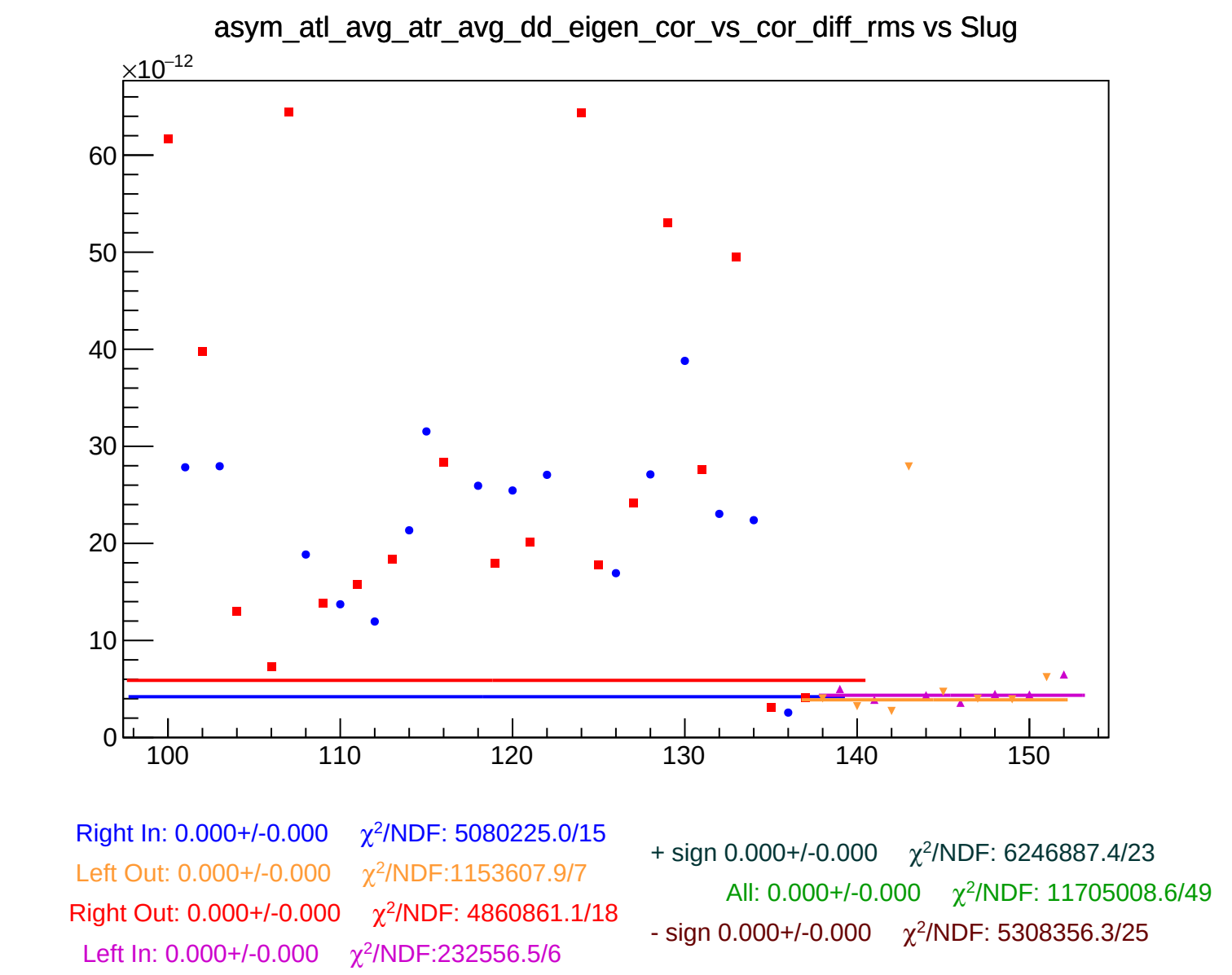
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/6

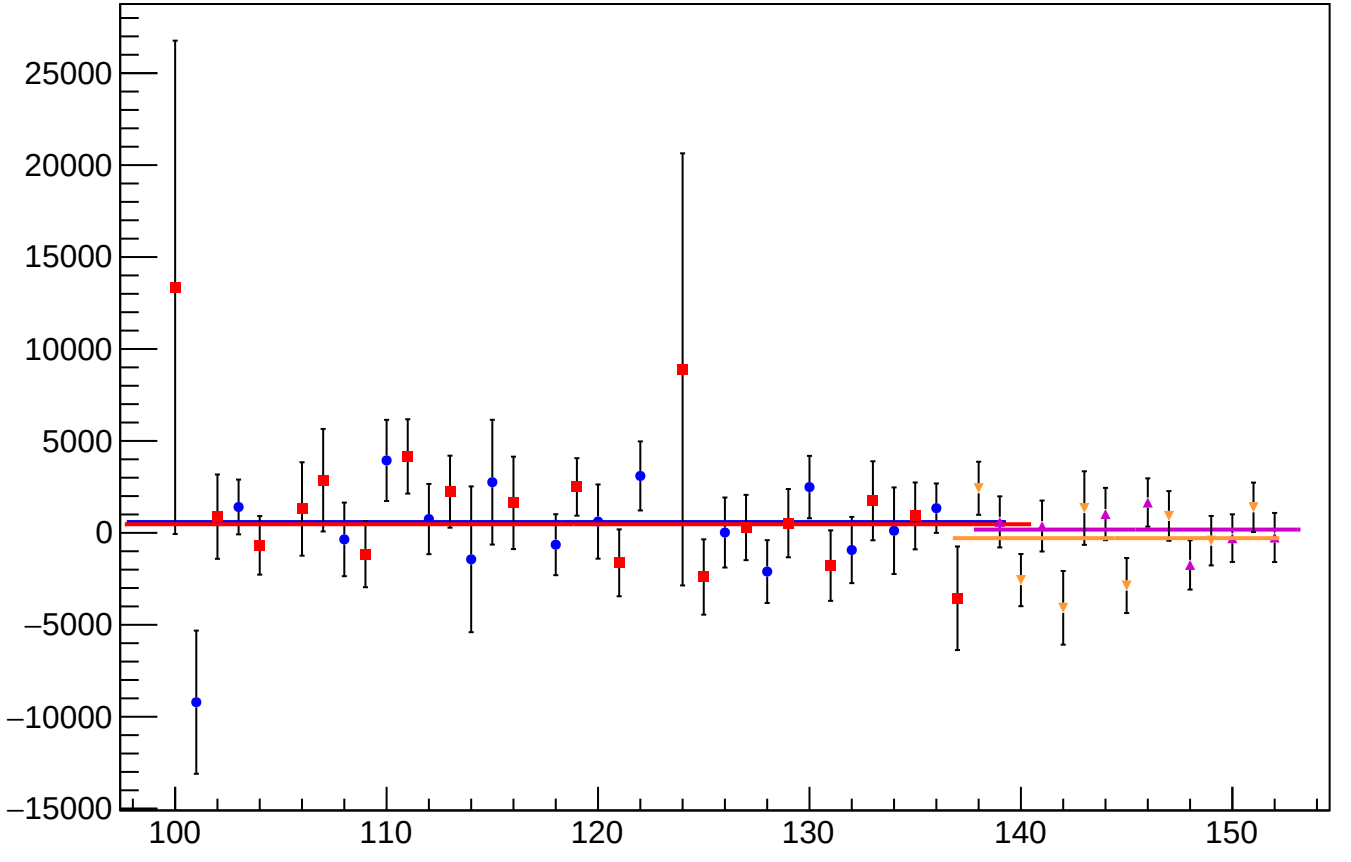
+ sign 0.000+/-0.000 χ^2/NDF: 12.8/23

All: 0.000+/-0.000 χ^2/NDF: 65.5/49

- sign 0.000+/-0.000 χ^2/NDF: 52.6/25


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:1153607.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:232556.5/6
+ sign 0.000+/-0.000 χ²/NDF: 6246887.4/23
All: 0.000+/-0.000 χ²/NDF: 11705008.6/49
- sign 0.000+/-0.000 χ²/NDF: 5308356.3/25

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -287.887+/-528.636 χ^2/NDF:15.7/7

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

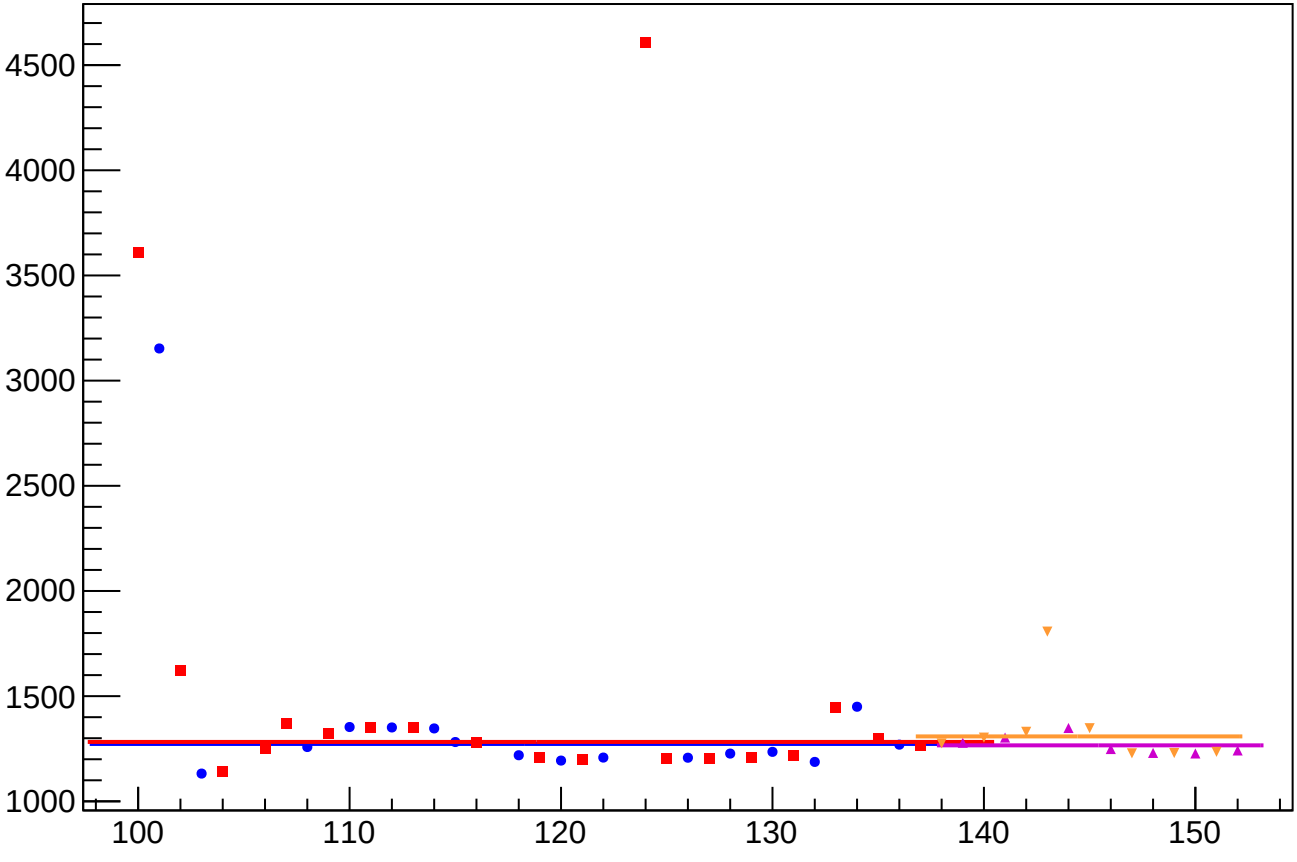
Left In: 178.905+/-511.253 χ^2/NDF:4.0/6

+ sign 189.417+/-356.349 χ^2/NDF: 34.3/23

All: 262.441+/-249.752 χ^2/NDF: 55.4/49

- sign 332.941+/-350.138 χ^2/NDF: 21.0/25

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

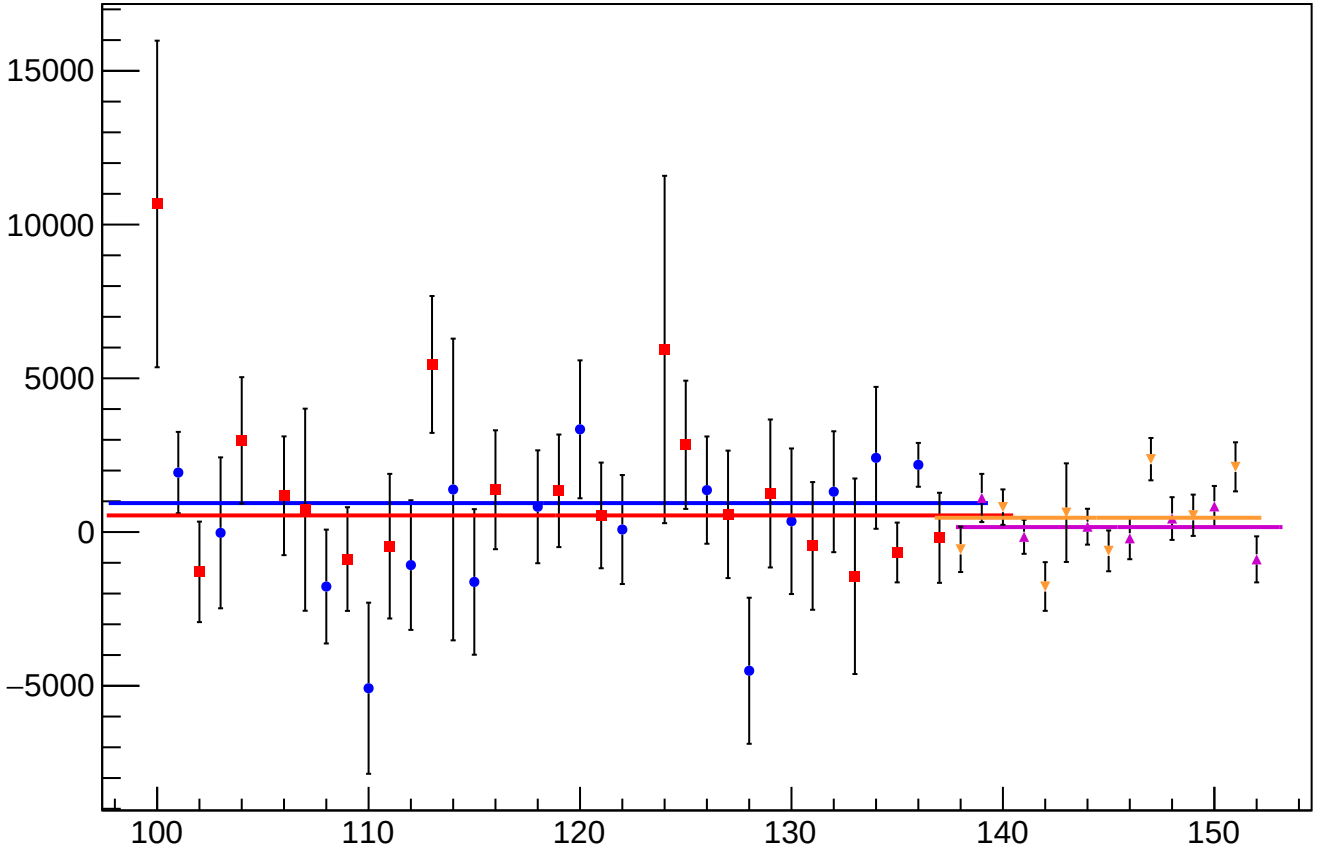
Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

+ sign 1289.088+/-0.252 χ^2/NDF: 671092.2/23

All: 1281.788+/-0.177 χ^2/NDF: 1008458.9/49

- sign 1274.740+/-0.248 χ^2/NDF: 335717.1/25

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 465.225+/-258.253 χ^2/NDF:24.9/7

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

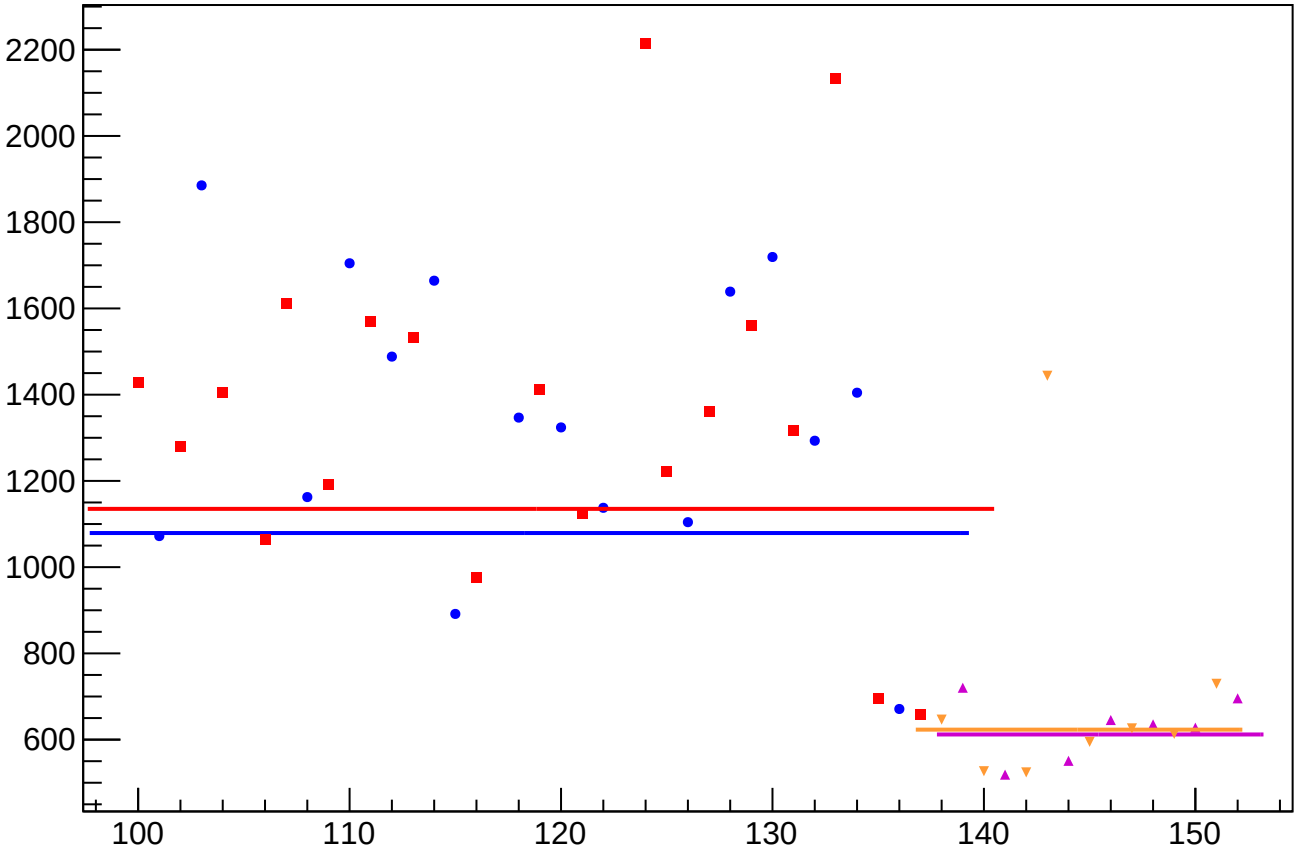
Left In: 161.627+/-249.140 χ^2/NDF:5.2/6

+ sign 593.363+/-220.818 χ^2/NDF: 45.7/23

All: 420.386+/-154.697 χ^2/NDF: 69.9/49

- sign 253.668+/-216.787 χ^2/NDF: 23.0/25

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: 623.157+/-0.183 χ^2/NDF:652859.0/7

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

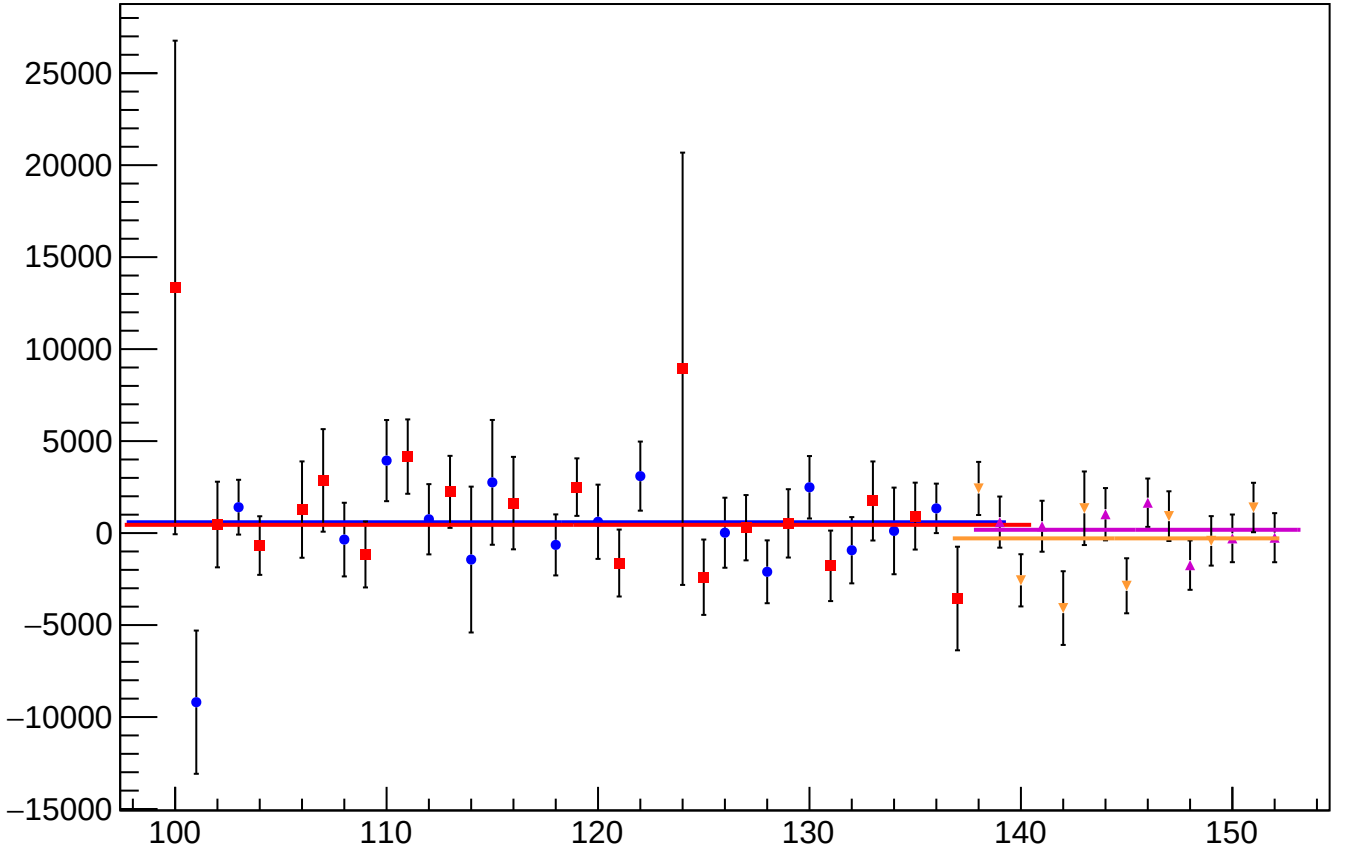
Left In: 611.959+/-0.176 χ^2/NDF:150058.6/6

\+ sign 745.763+/-0.156 χ^2/NDF: 3811509.2/23

All: 742.330+/-0.109 χ^2/NDF: 7397651.9/49

\- sign 739.021+/-0.153 χ^2/NDF: 3585193.5/25

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -288.011+/-528.636 χ^2/NDF:15.7/7

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

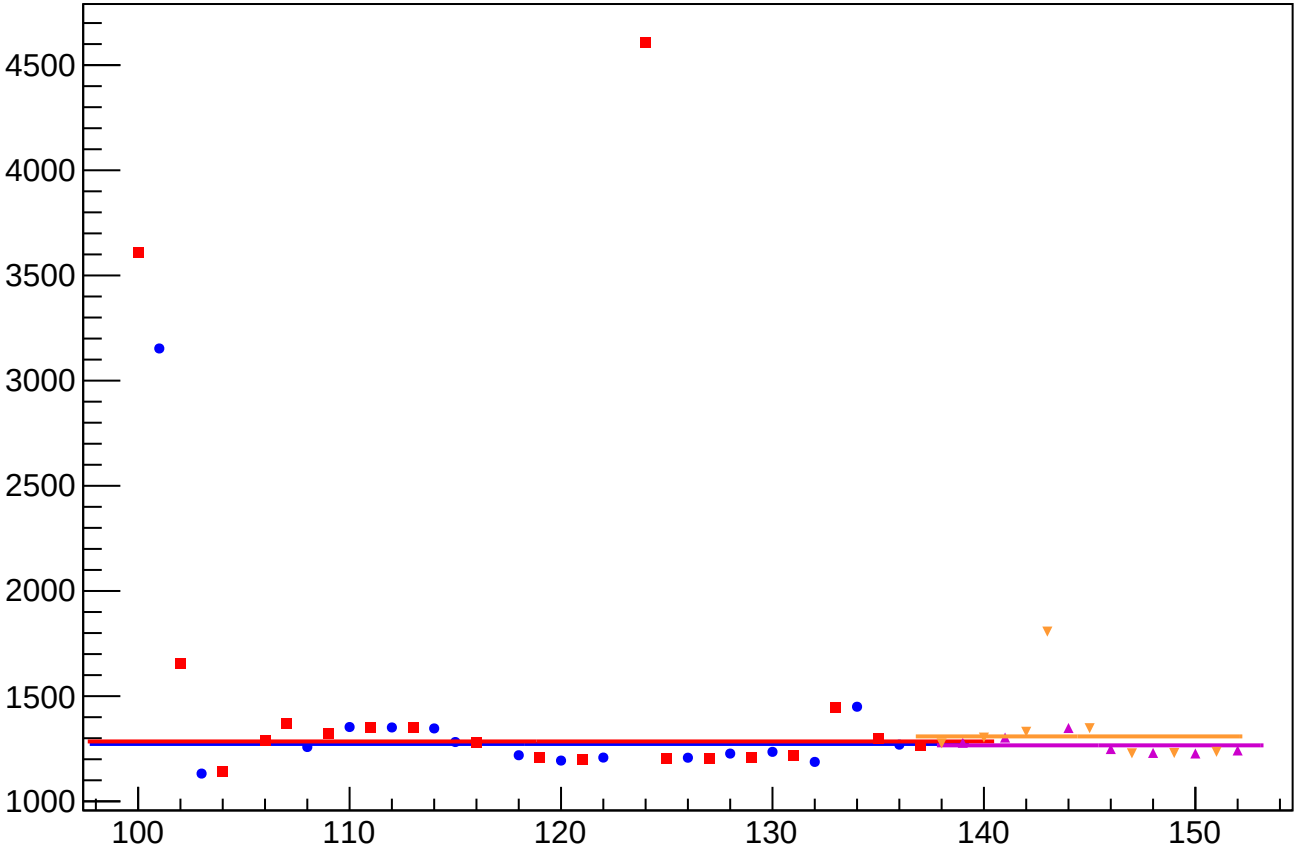
Left In: 178.935+/-511.253 χ^2/NDF:4.0/6

\+ sign 189.535+/-356.349 χ^2/NDF: 34.3/23

All: 256.765+/-249.867 χ^2/NDF: 55.3/49

\- sign 321.789+/-350.454 χ^2/NDF: 21.0/25

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

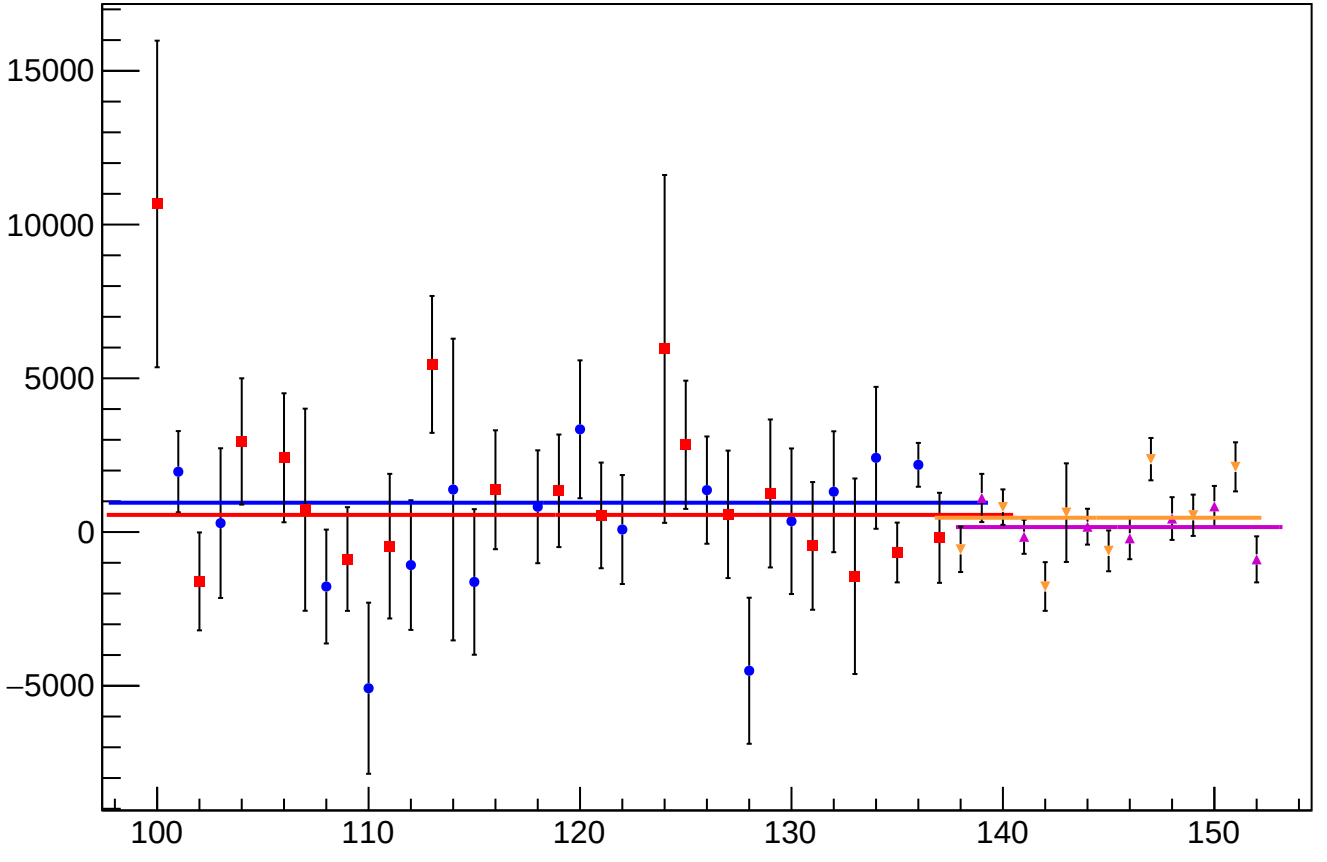
Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

+ sign 1289.088+/-0.252 χ^2/NDF: 671093.7/23

All: 1282.404+/-0.177 χ^2/NDF: 1015172.6/49

- sign 1275.940+/-0.248 χ^2/NDF: 342694.9/25

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: 465.199+/-258.256 χ^2/NDF:24.9/7

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

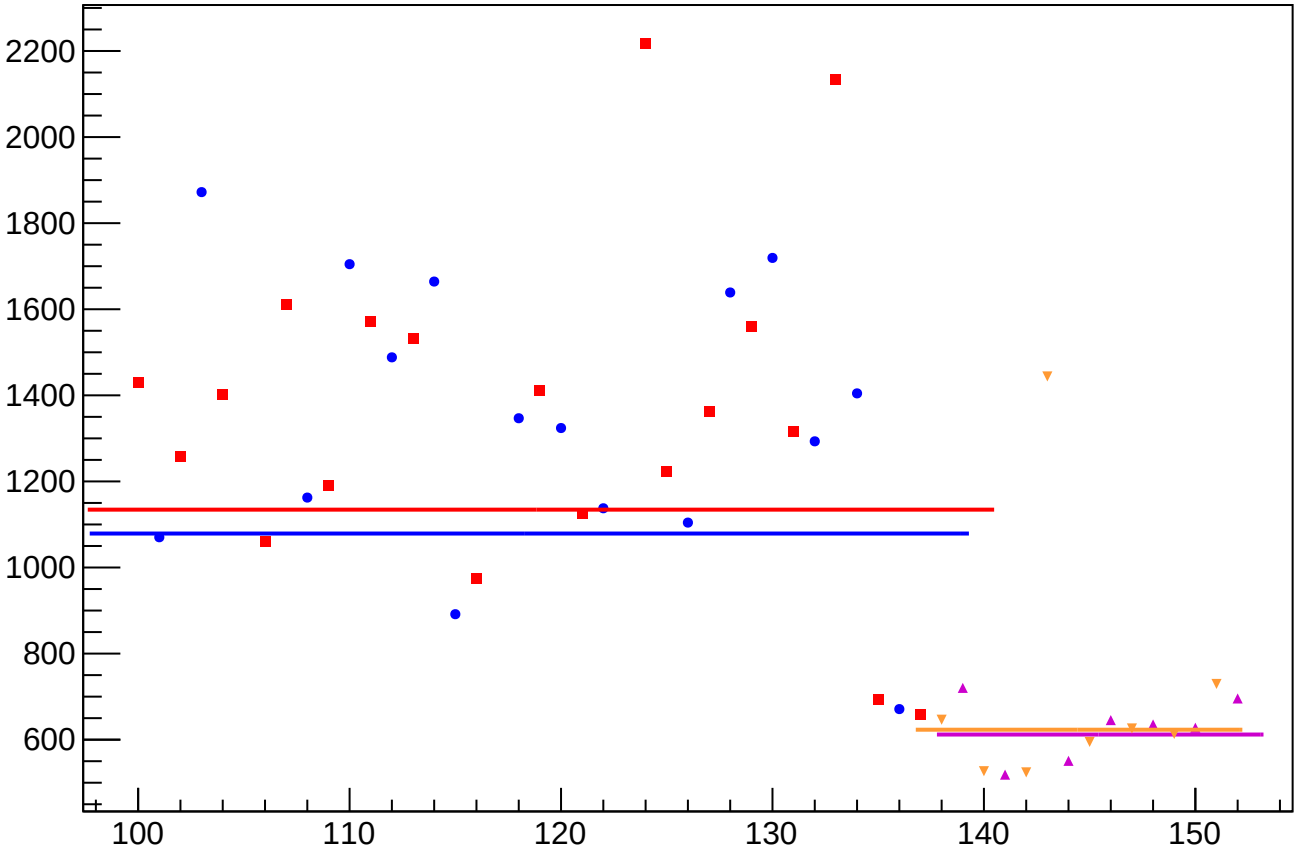
Left In: 161.691+/-249.138 χ^2/NDF:5.2/6

+ sign 596.757+/-220.796 χ^2/NDF: 45.7/23

All: 424.169+/-154.726 χ^2/NDF: 71.1/49

- sign 257.638+/-216.887 χ^2/NDF: 24.2/25

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: 623.168+/-0.183 χ^2/NDF:652790.4/7

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

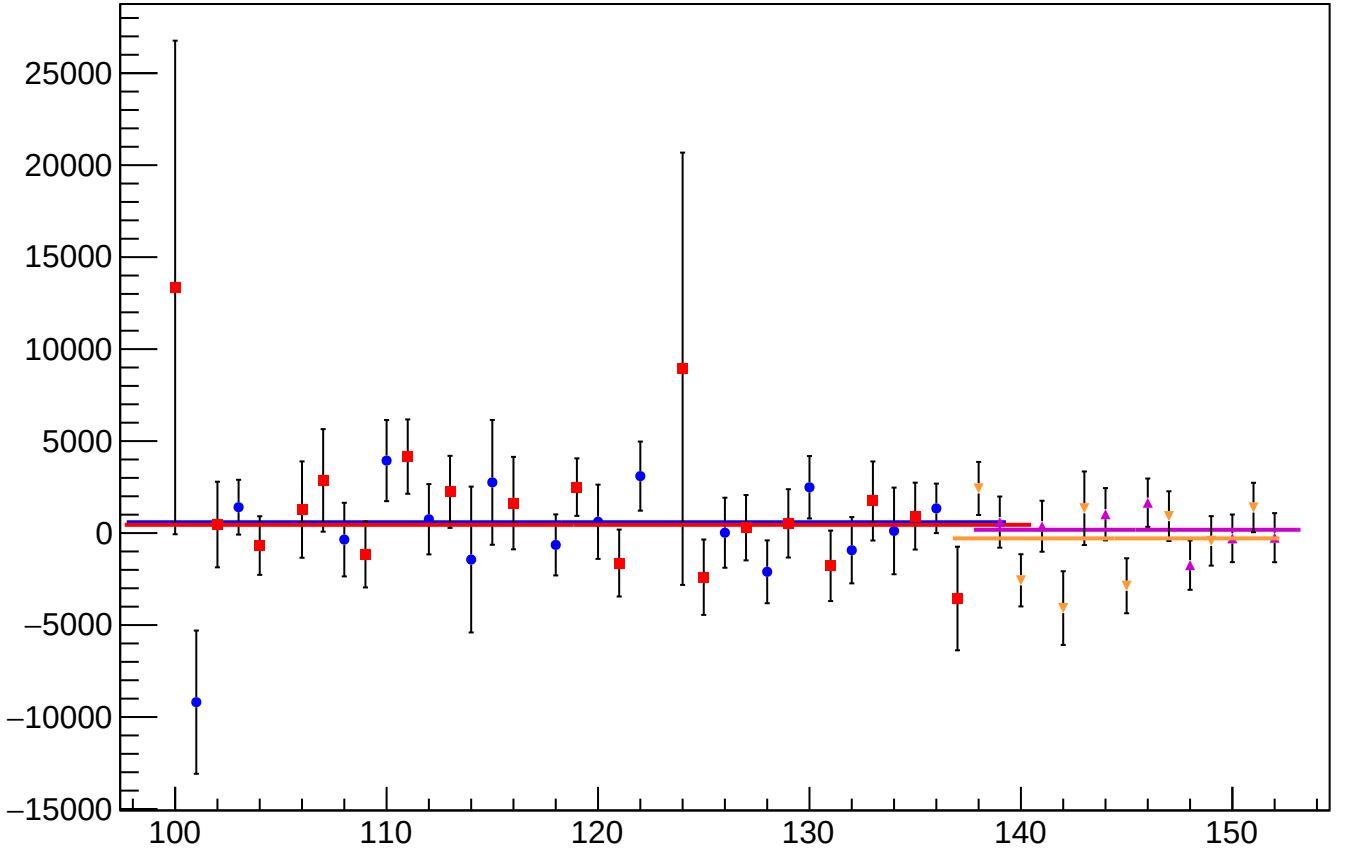
Left In: 611.952+/-0.176 χ^2/NDF:150074.9/6

\+ sign 745.797+/-0.156 χ^2/NDF: 3807466.9/23

All: 742.066+/-0.109 χ^2/NDF: 7377419.9/49

\- sign 738.465+/-0.153 χ^2/NDF: 3568830.4/25

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: -288.011+/-528.636 χ^2/NDF:15.7/7

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

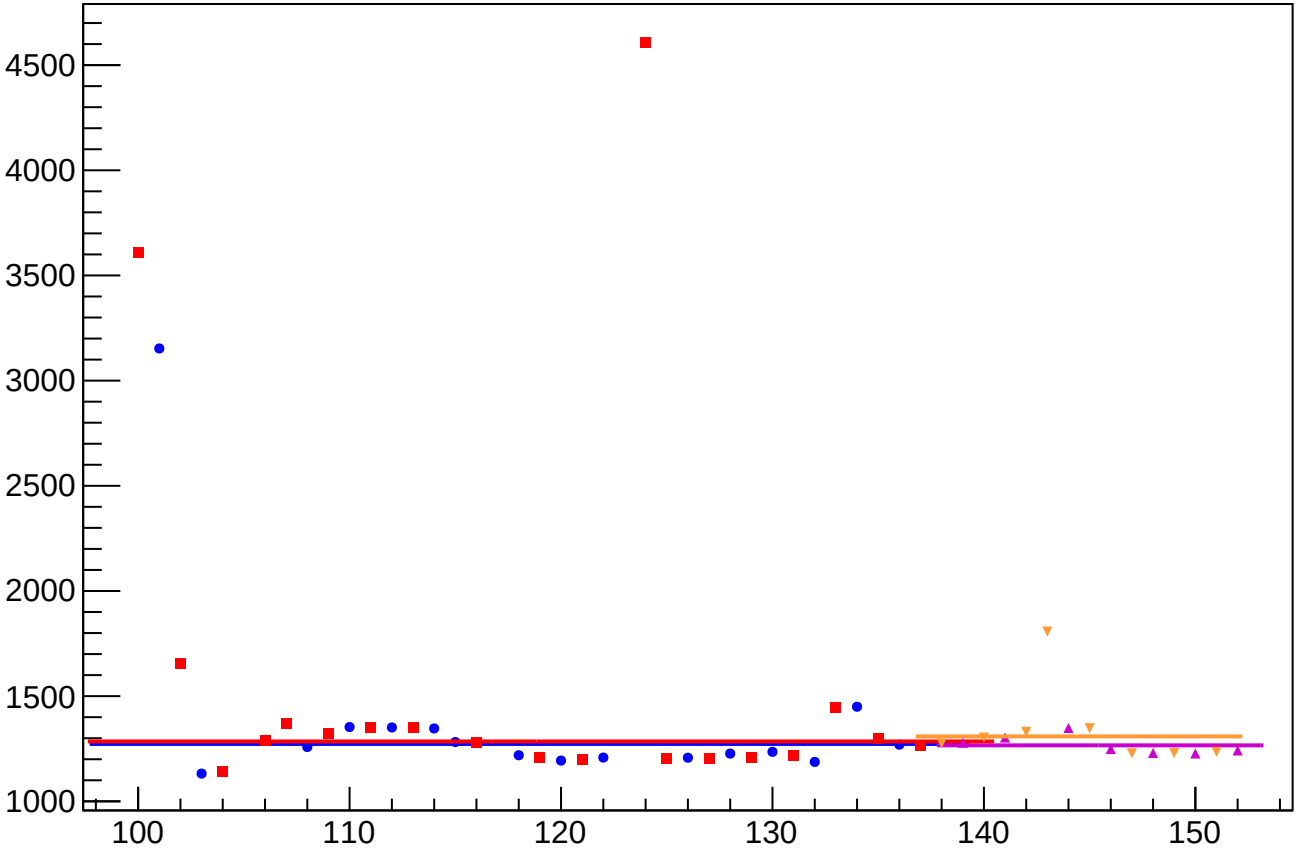
Left In: 178.935+/-511.253 χ^2/NDF:4.0/6

+ sign 189.535+/-356.349 χ^2/NDF: 34.3/23

All: 256.765+/-249.867 χ^2/NDF: 55.3/49

- sign 321.789+/-350.454 χ^2/NDF: 21.0/25

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: 1308.640+/-0.374 χ^2/NDF:146779.5/7

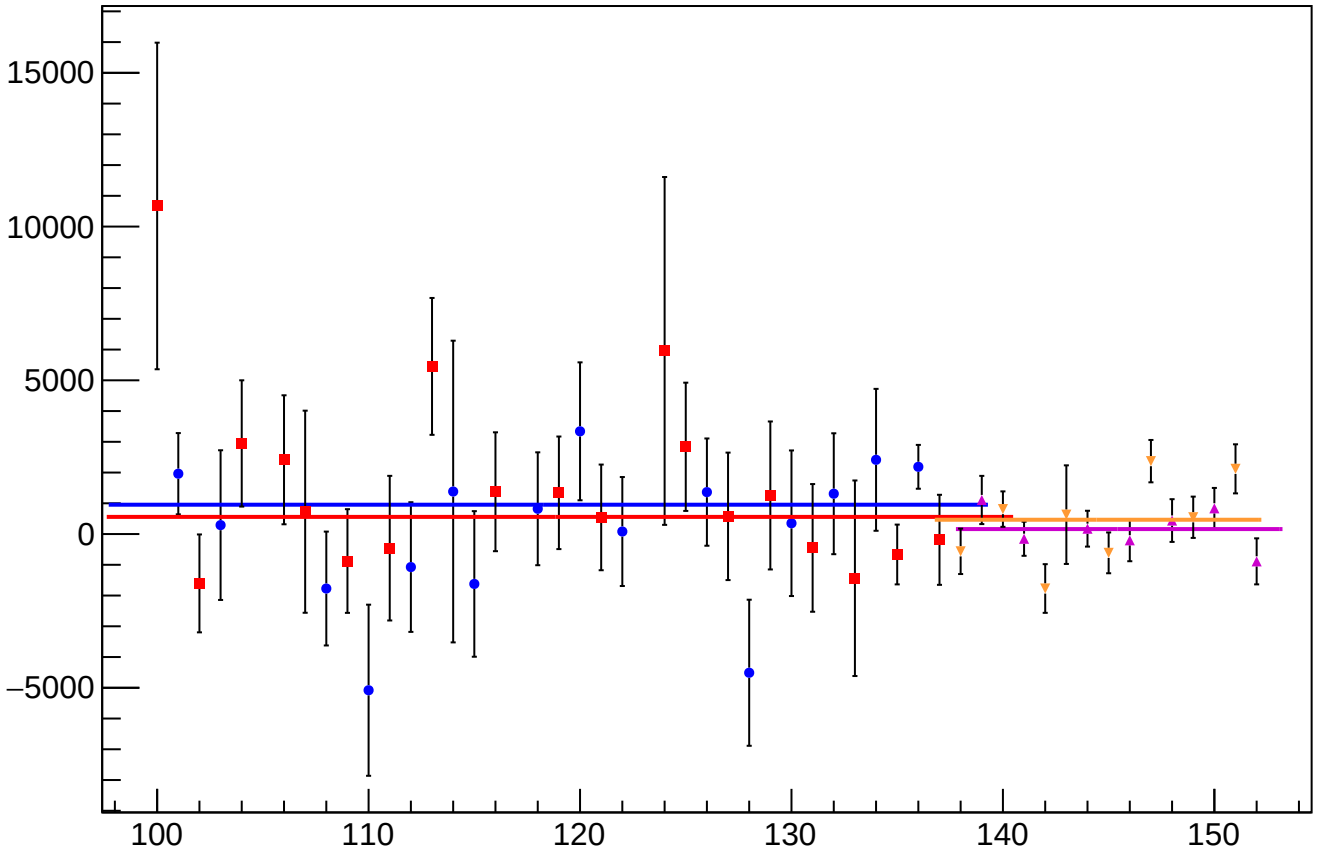
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

+ sign 1289.088+/-0.252 χ^2/NDF: 671093.7/23

All: 1282.404+/-0.177 χ^2/NDF: 1015172.6/49

- sign 1275.940+/-0.248 χ^2/NDF: 342694.9/25



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 465.199+/-258.256 χ^2/NDF:24.9/7

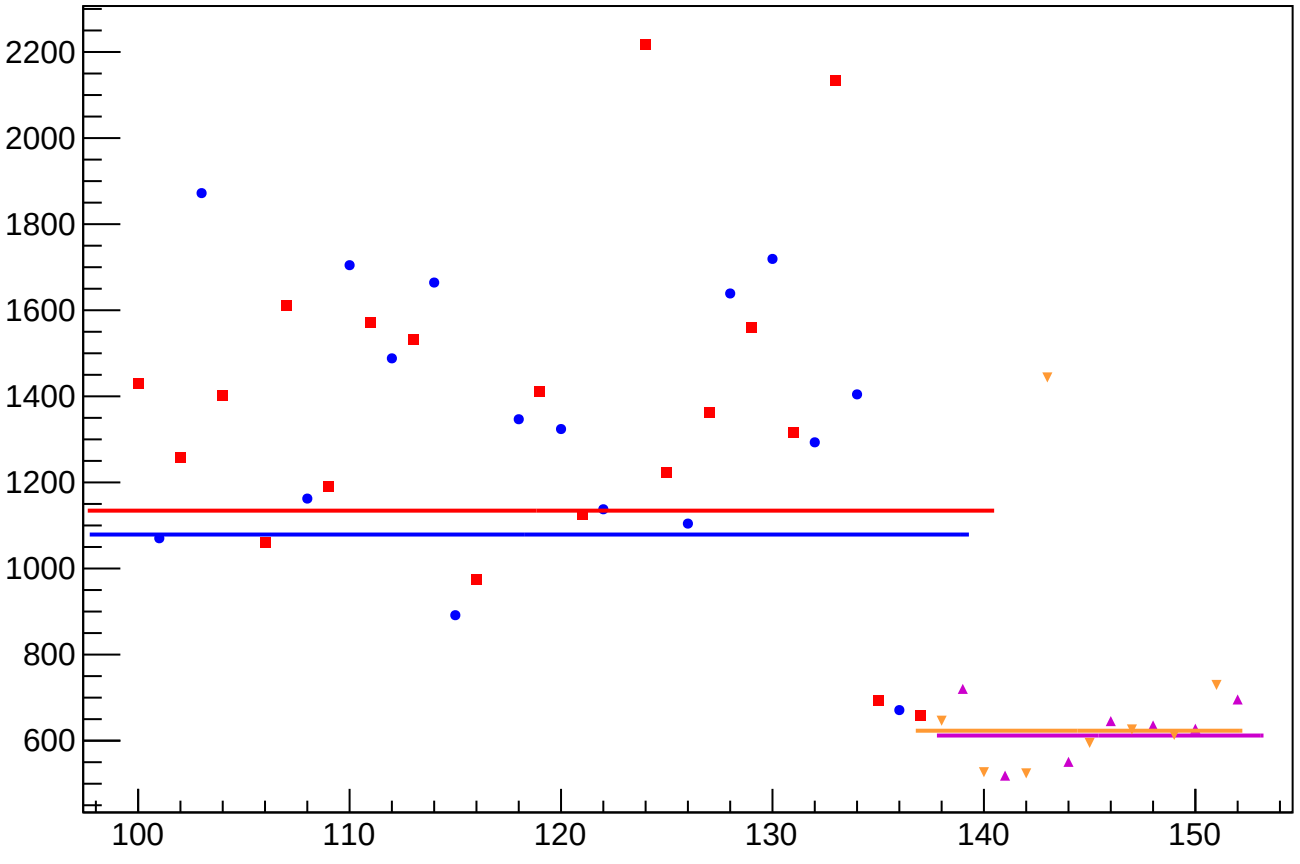
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 161.691+/-249.138 χ^2/NDF:5.2/6

+ sign 596.757+/-220.796 χ^2/NDF: 45.7/23

All: 424.169+/-154.726 χ^2/NDF: 71.1/49

- sign 257.638+/-216.887 χ^2/NDF: 24.2/25



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 623.168+/-0.183 χ^2/NDF:652790.4/7

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

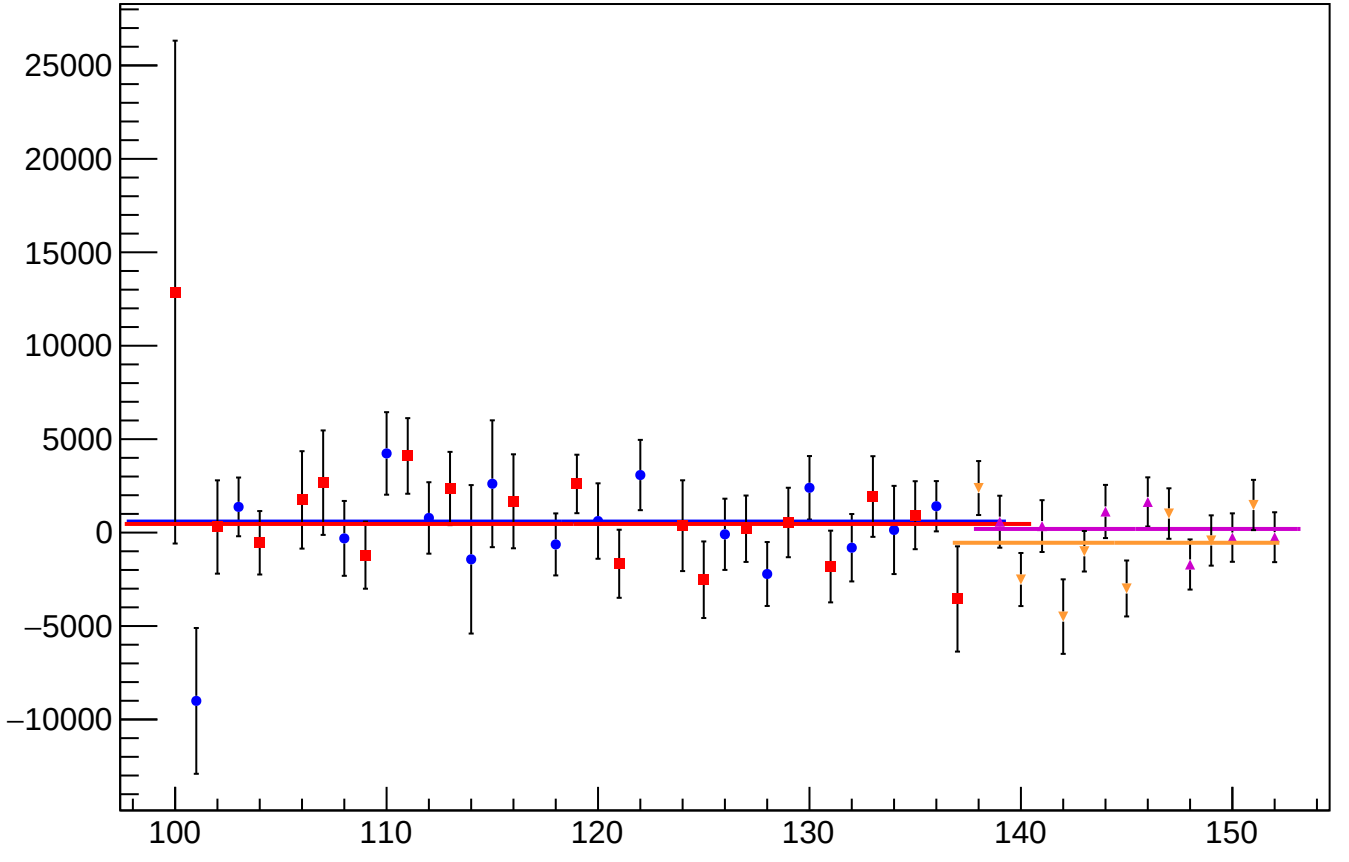
Left In: 611.952+/-0.176 χ^2/NDF:150074.9/6

\+ sign 745.797+/-0.156 χ^2/NDF: 3807466.9/23

All: 742.066+/-0.109 χ^2/NDF: 7377419.9/49

\- sign 738.465+/-0.153 χ^2/NDF: 3568830.4/25

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -544.649+/-489.278 χ^2/NDF:16.4/7

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

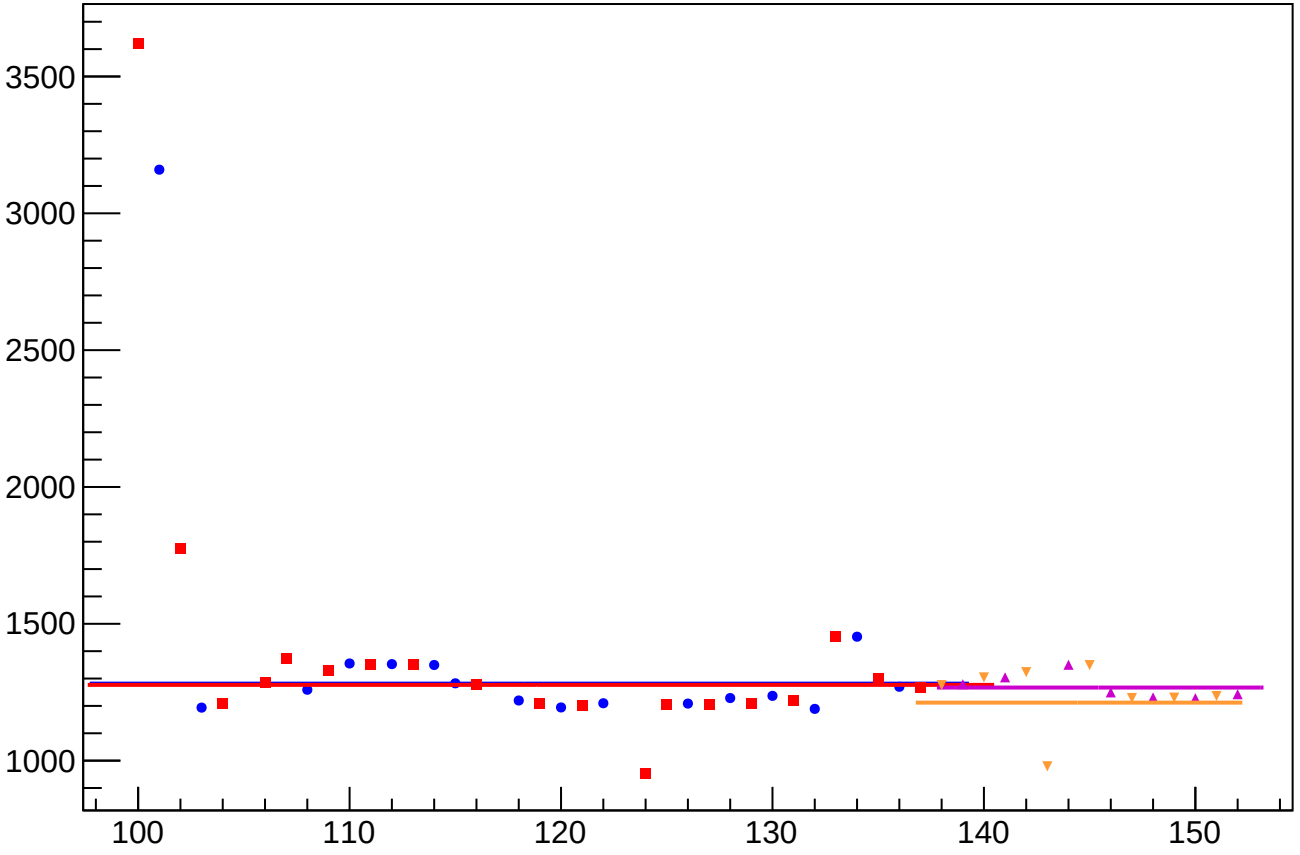
Left In: 194.734+/-511.646 χ^2/NDF:4.0/6

\+ sign 27.255+/-344.622 χ^2/NDF: 36.2/23

All: 180.799+/-245.154 χ^2/NDF: 57.5/49

\- sign 338.103+/-348.816 χ^2/NDF: 20.8/25

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1212.007+/-0.346 χ^2/NDF:128840.7/7

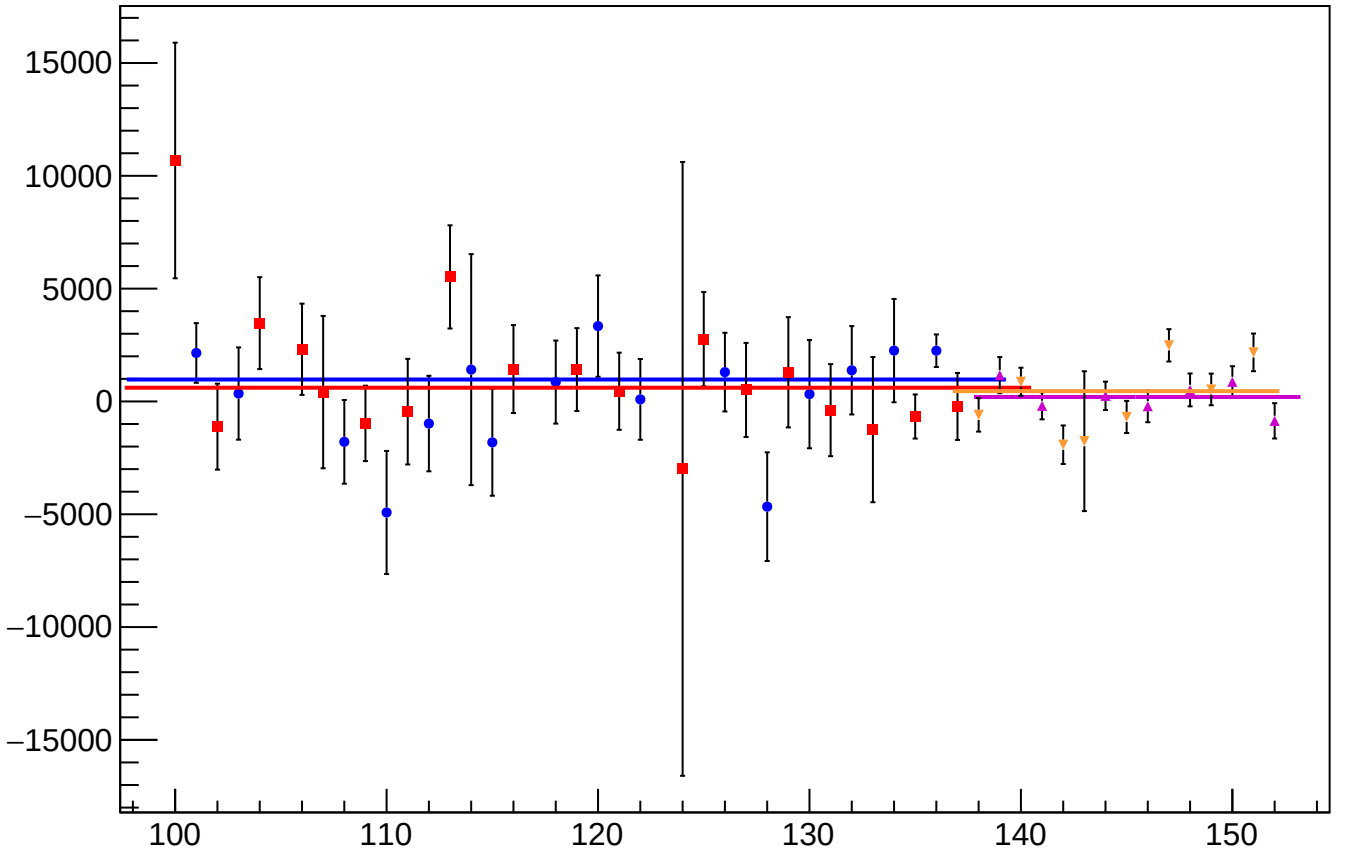
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1267.073+/-0.362 χ^2/NDF:12704.6/6

+ sign 1246.958+/-0.244 χ^2/NDF: 656172.5/23

All: 1259.481+/-0.173 χ^2/NDF: 895129.2/49

- sign 1272.311+/-0.247 χ^2/NDF: 233609.9/25



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 456.384+/-274.631 χ^2/NDF:25.5/7

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

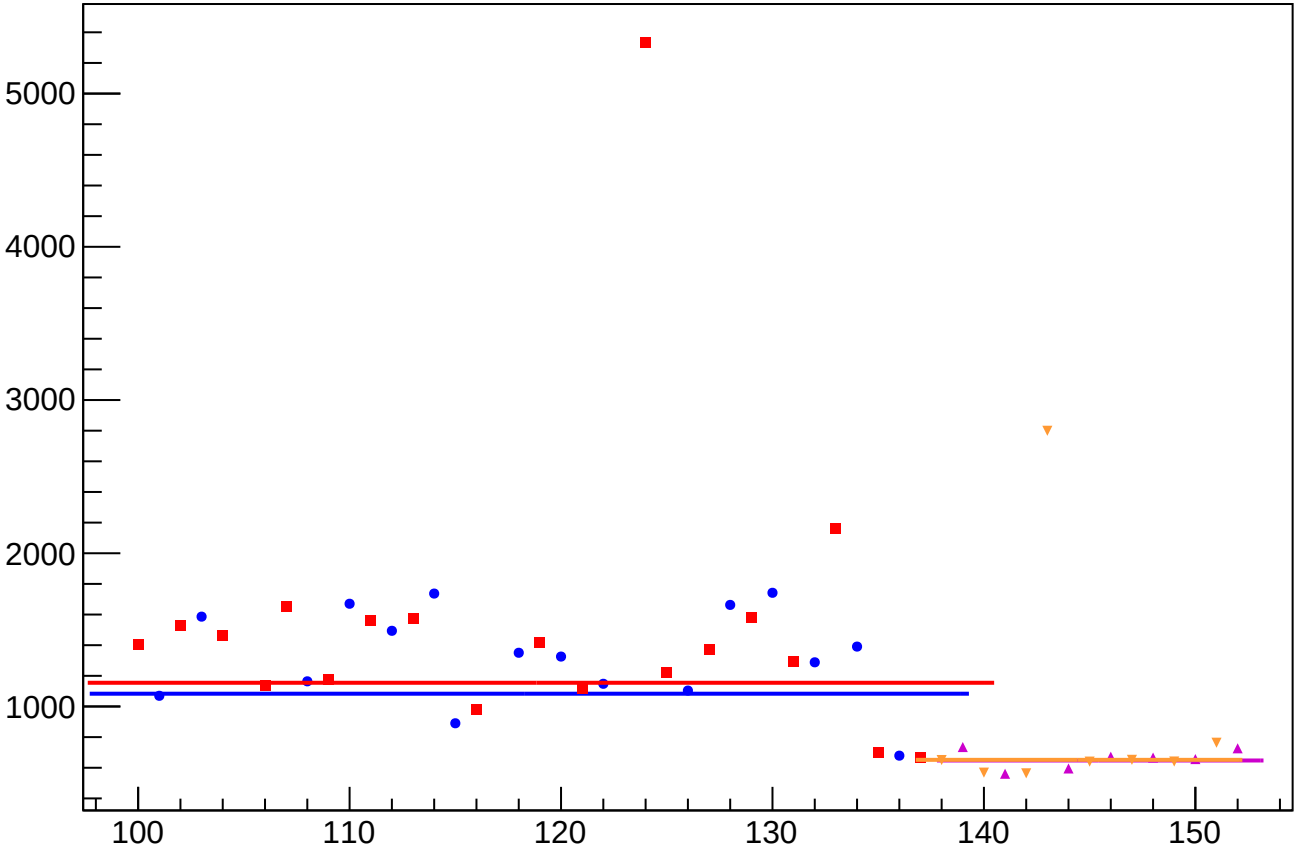
Left In: 196.797+/-263.029 χ^2/NDF:5.2/6

+ sign 608.240+/-230.698 χ^2/NDF: 47.0/23

All: 452.713+/-161.729 χ^2/NDF: 70.9/49

- sign 302.410+/-226.790 χ^2/NDF: 22.9/25

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: 651.678+/-0.194 χ^2/NDF:1054627.9/7

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

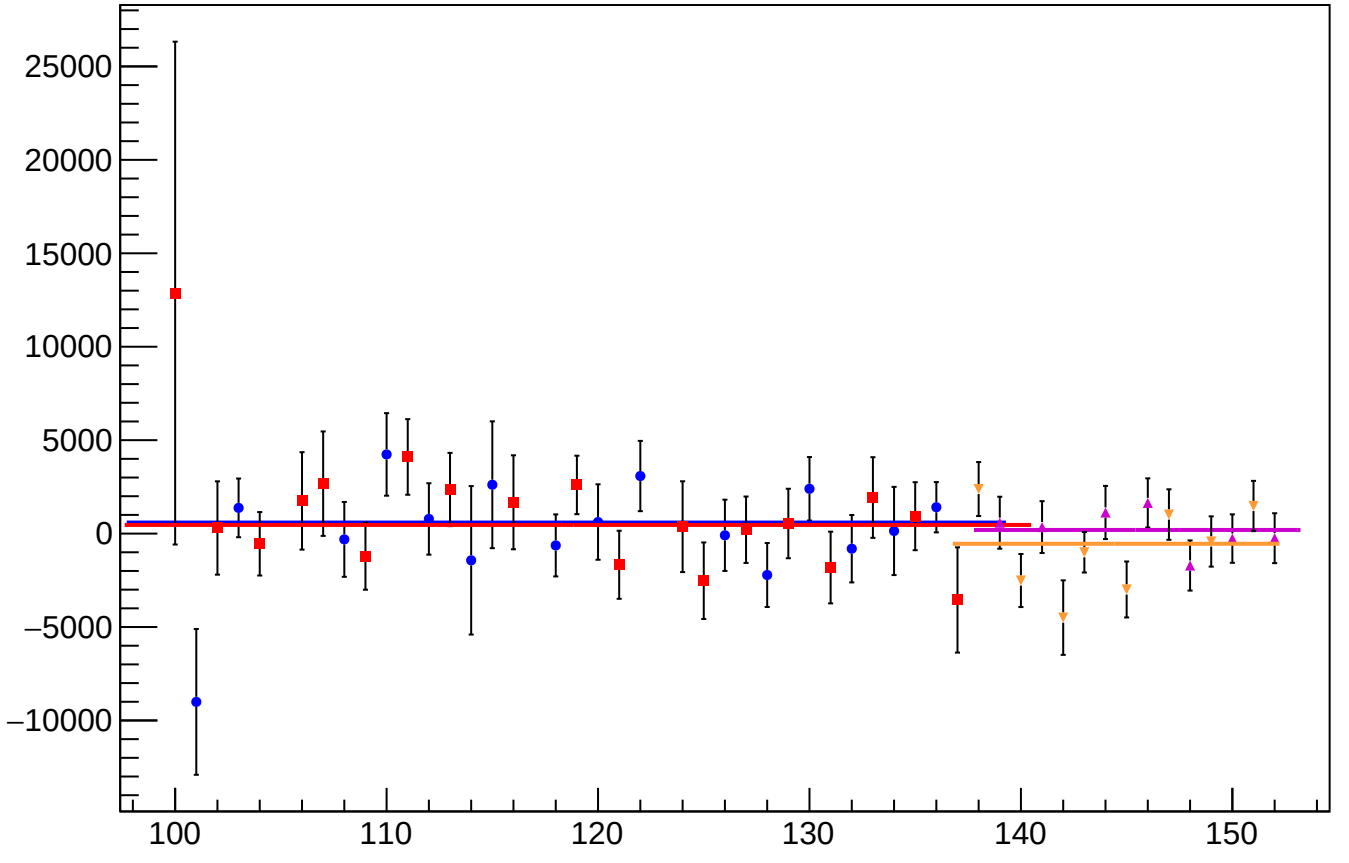
Left In: 647.485+/-0.186 χ^2/NDF:104248.1/6

+ sign 778.736+/-0.163 χ^2/NDF: 3869141.1/23

All: 778.172+/-0.114 χ^2/NDF: 7370057.9/49

- sign 777.628+/-0.160 χ^2/NDF: 3500893.3/25

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: -544.650+/-489.278 χ^2/NDF:16.4/7

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

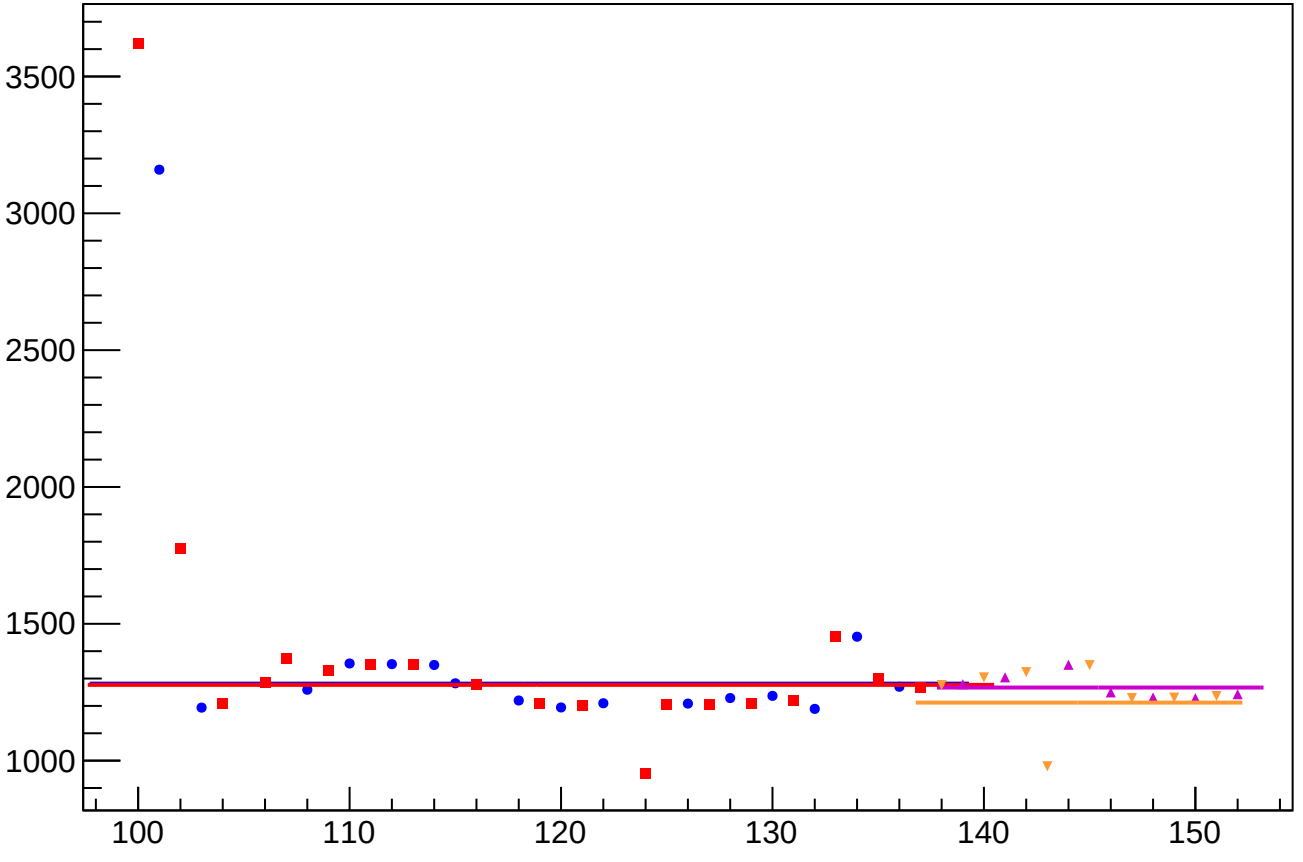
Left In: 194.737+/-511.646 χ^2/NDF:4.0/6

\+ sign 27.256+/-344.622 χ^2/NDF: 36.2/23

All: 180.800+/-245.154 χ^2/NDF: 57.5/49

\- sign 338.104+/-348.816 χ^2/NDF: 20.8/25

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: 1212.007+/-0.346 χ^2/NDF:128840.0/7

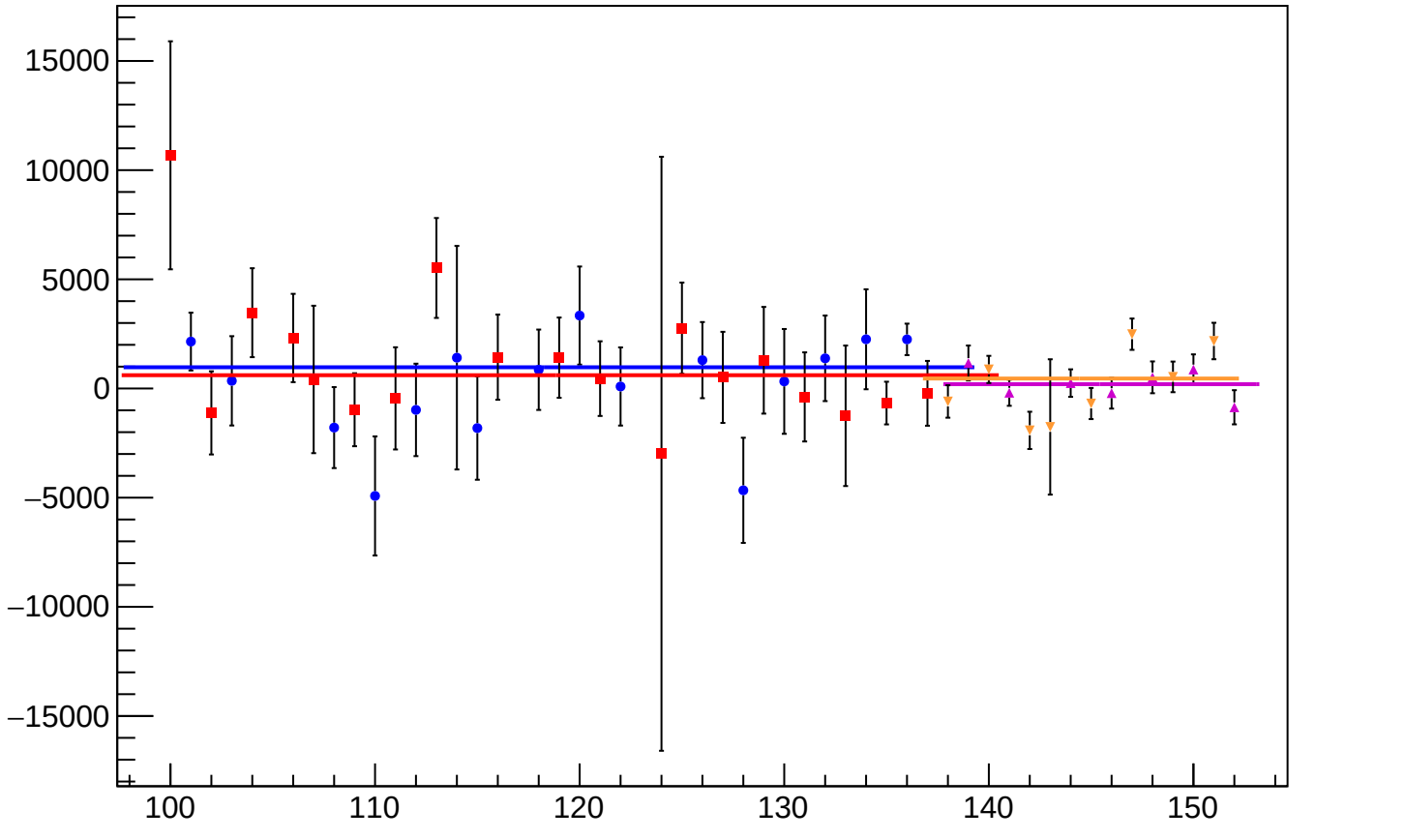
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1267.073+/-0.362 χ^2/NDF:12704.7/6

+ sign 1246.958+/-0.244 χ^2/NDF: 656171.7/23

All: 1259.481+/-0.173 χ^2/NDF: 895128.3/49

- sign 1272.311+/-0.247 χ^2/NDF: 233609.8/25



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 456.388+/-274.632 χ^2/NDF:25.5/7

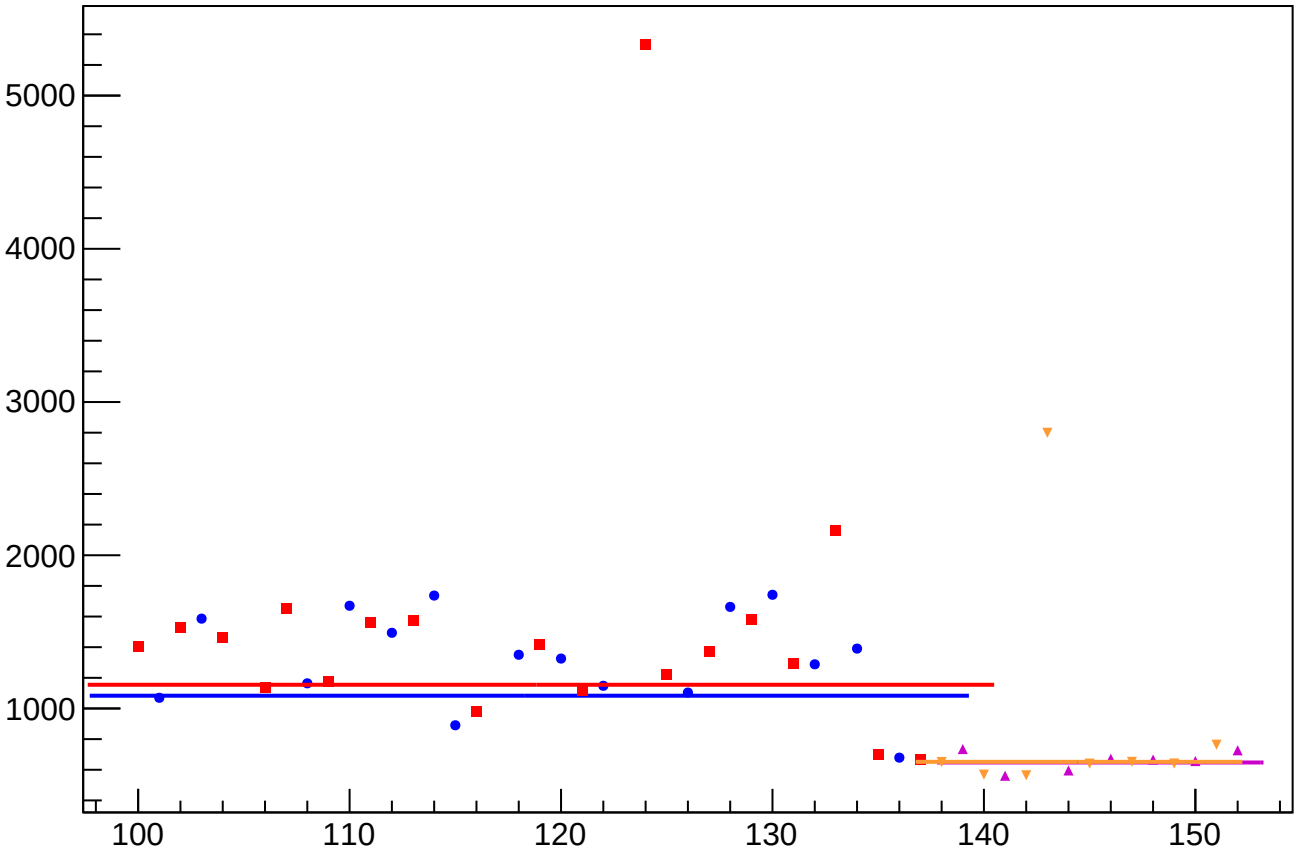
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 196.797+/-263.029 χ^2/NDF:5.2/6

+ sign 608.241+/-230.699 χ^2/NDF: 47.0/23

All: 452.714+/-161.729 χ^2/NDF: 70.9/49

- sign 302.412+/-226.790 χ^2/NDF: 22.9/25



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 651.680+/-0.194 χ^2/NDF:1054624.2/7

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

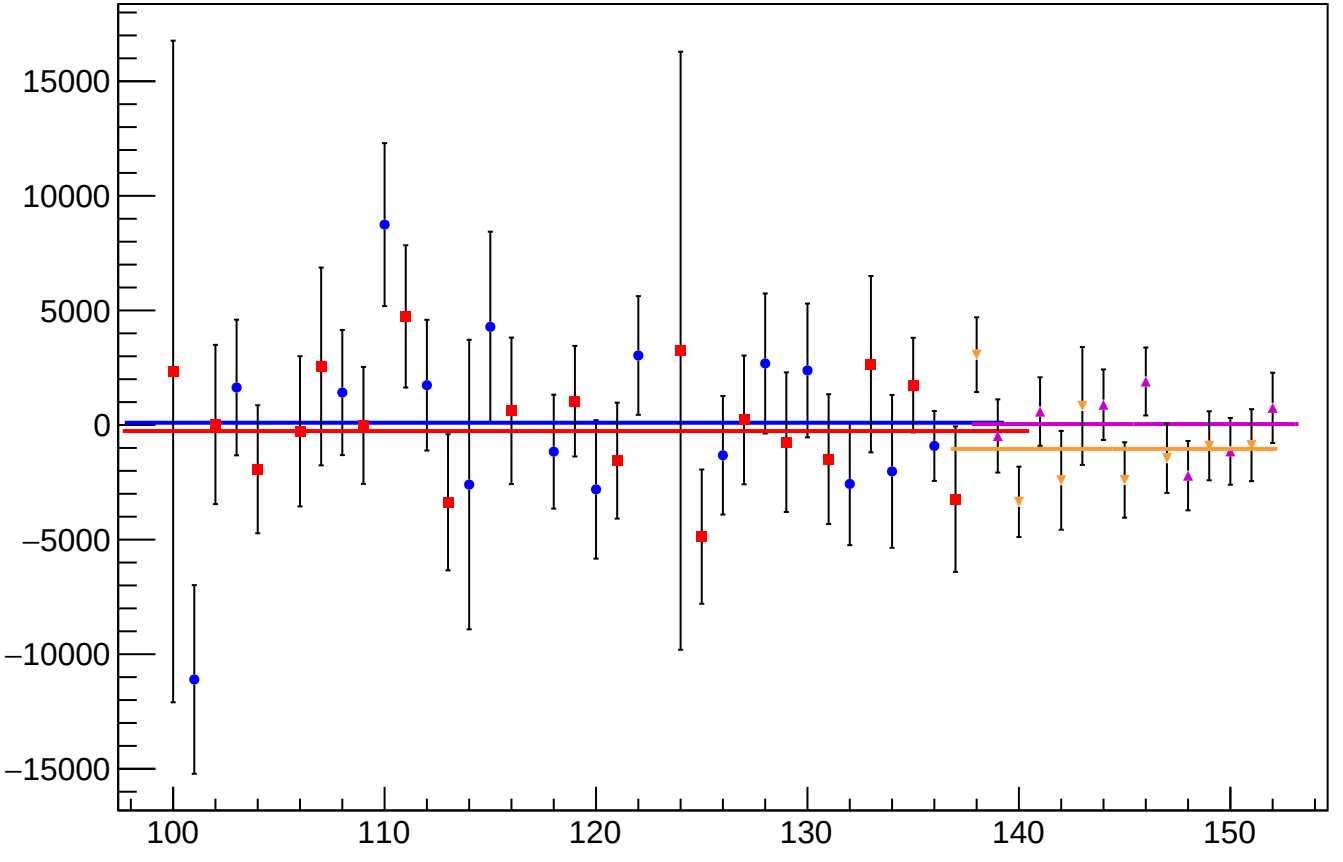
Left In: 647.484+/-0.186 χ^2/NDF:104250.8/6

+ sign 778.739+/-0.163 χ^2/NDF: 3869100.3/23

All: 778.174+/-0.114 χ^2/NDF: 7370012.9/49

- sign 777.628+/-0.160 χ^2/NDF: 3500889.0/25

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1041.060+/-595.684 χ^2/NDF:10.3/7

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

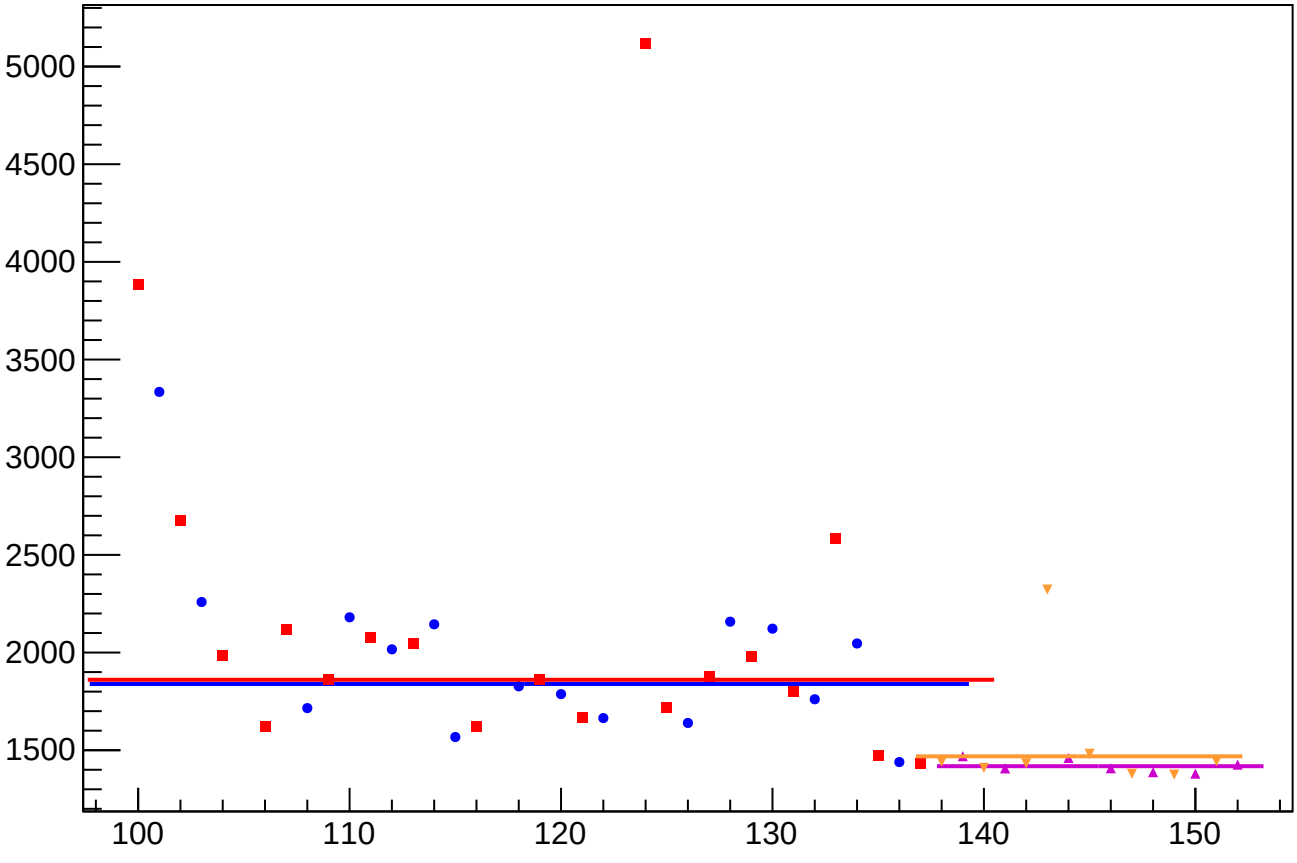
Left In: 42.131+/-572.584 χ^2/NDF:5.2/6

+ sign -560.807+/-453.379 χ^2/NDF: 33.2/23

All: -314.978+/-316.902 χ^2/NDF: 49.4/49

- sign -80.137+/-443.130 χ^2/NDF: 15.7/25

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1468.785+/-0.421 χ^2/NDF:239717.2/7

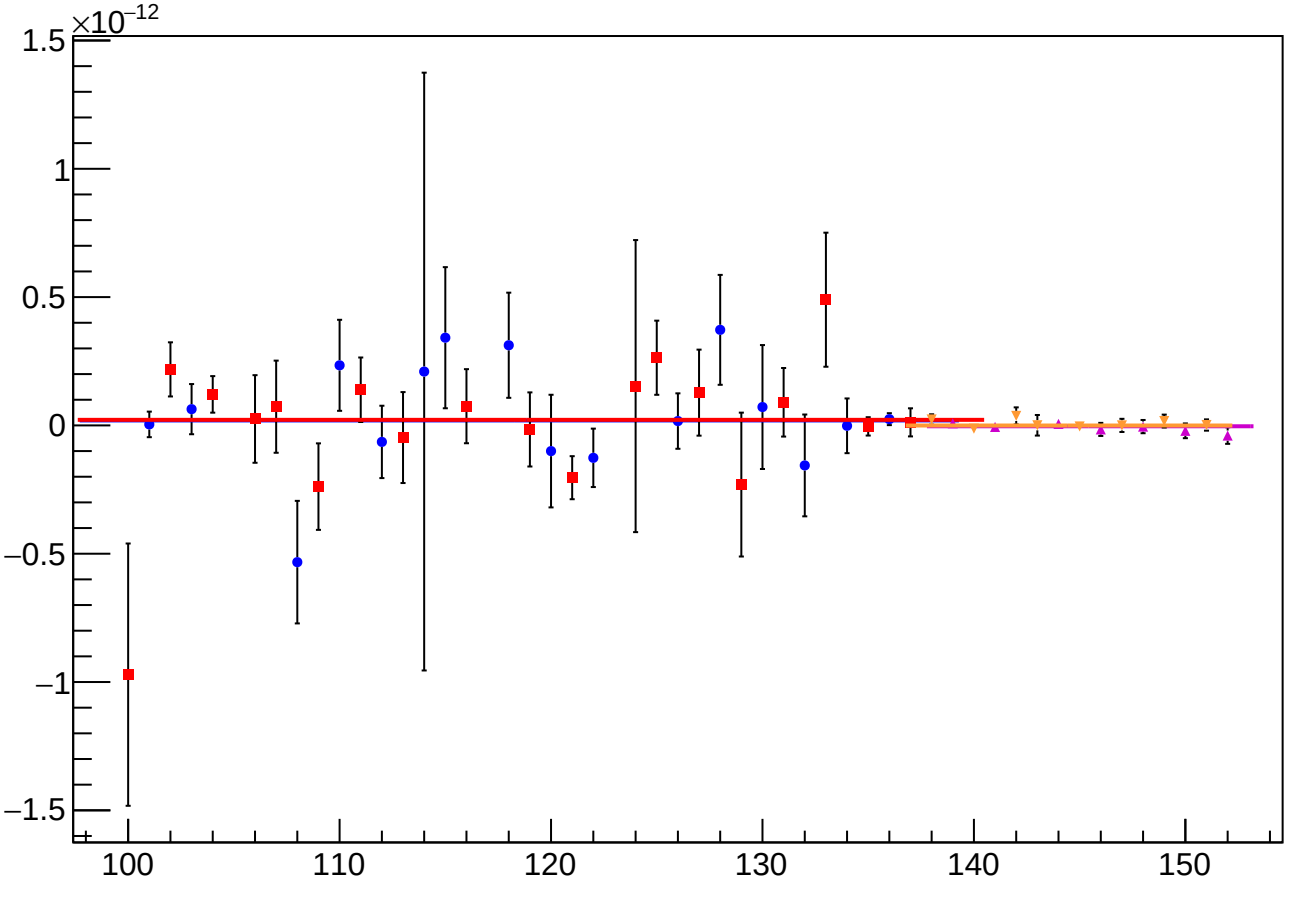
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1418.257+/-0.405 χ^2/NDF:6024.7/6

+ sign 1624.588+/-0.321 χ^2/NDF: 1121652.1/23

All: 1609.828+/-0.224 χ^2/NDF: 2132991.7/49

- sign 1595.727+/-0.313 χ^2/NDF: 1007194.5/25



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/7

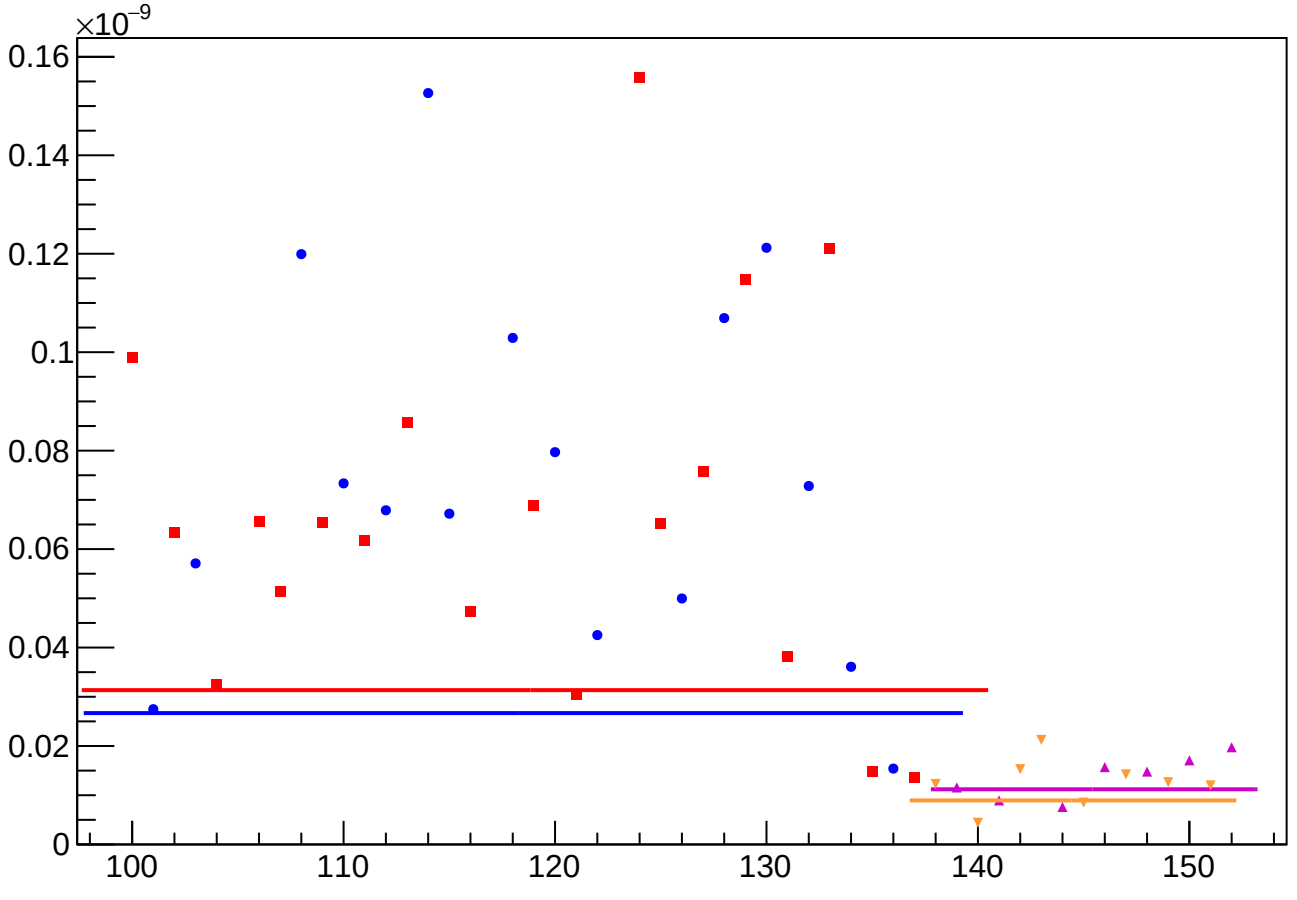
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 22.0/23

All: 0.000+/-0.000 χ^2/NDF: 54.1/49

- sign -0.000+/-0.000 χ^2/NDF: 32.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:844883.1/7

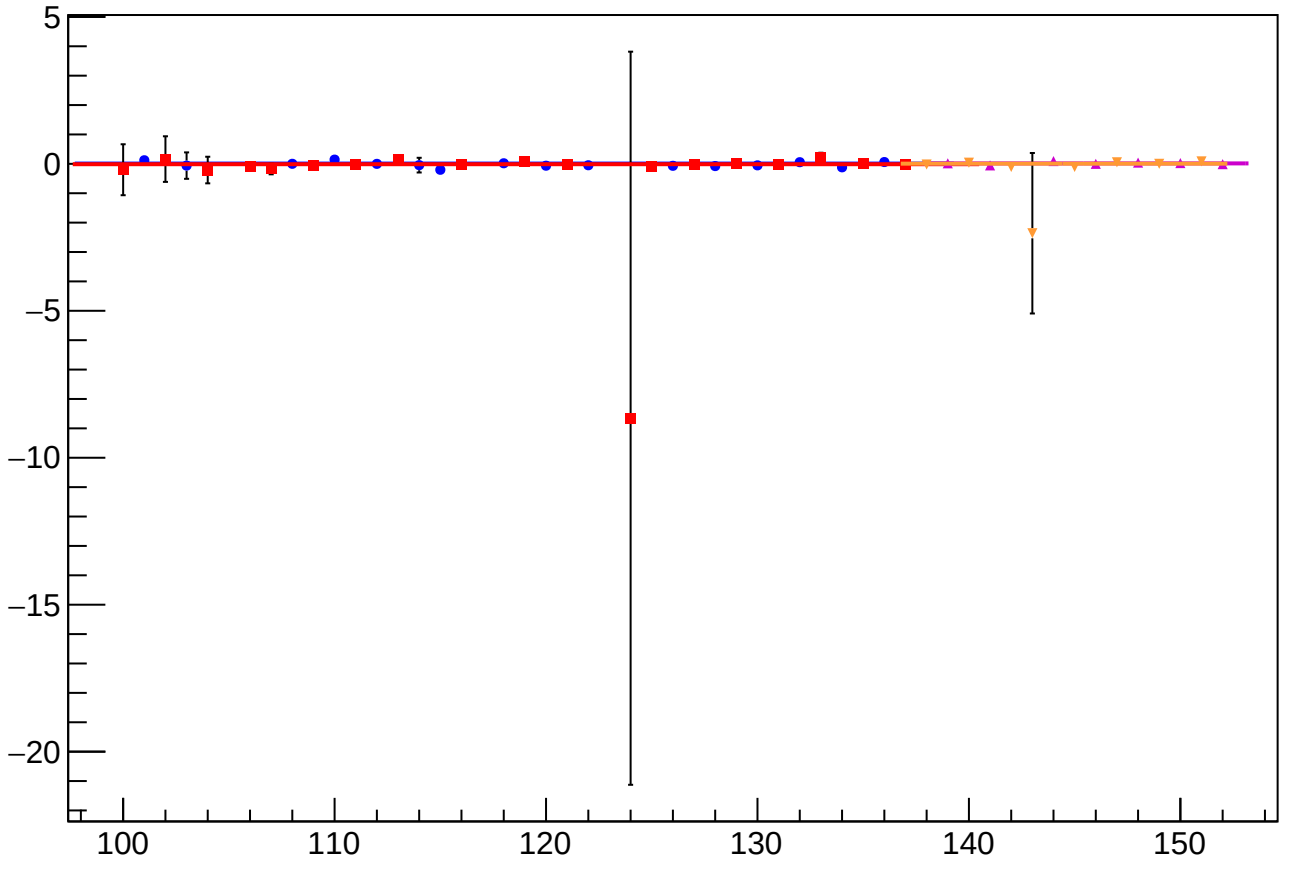
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:510308.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 5004038.1/23

All: 0.000+/-0.000 χ^2/NDF: 9372968.8/49

- sign 0.000+/-0.000 χ^2/NDF: 4248889.9/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

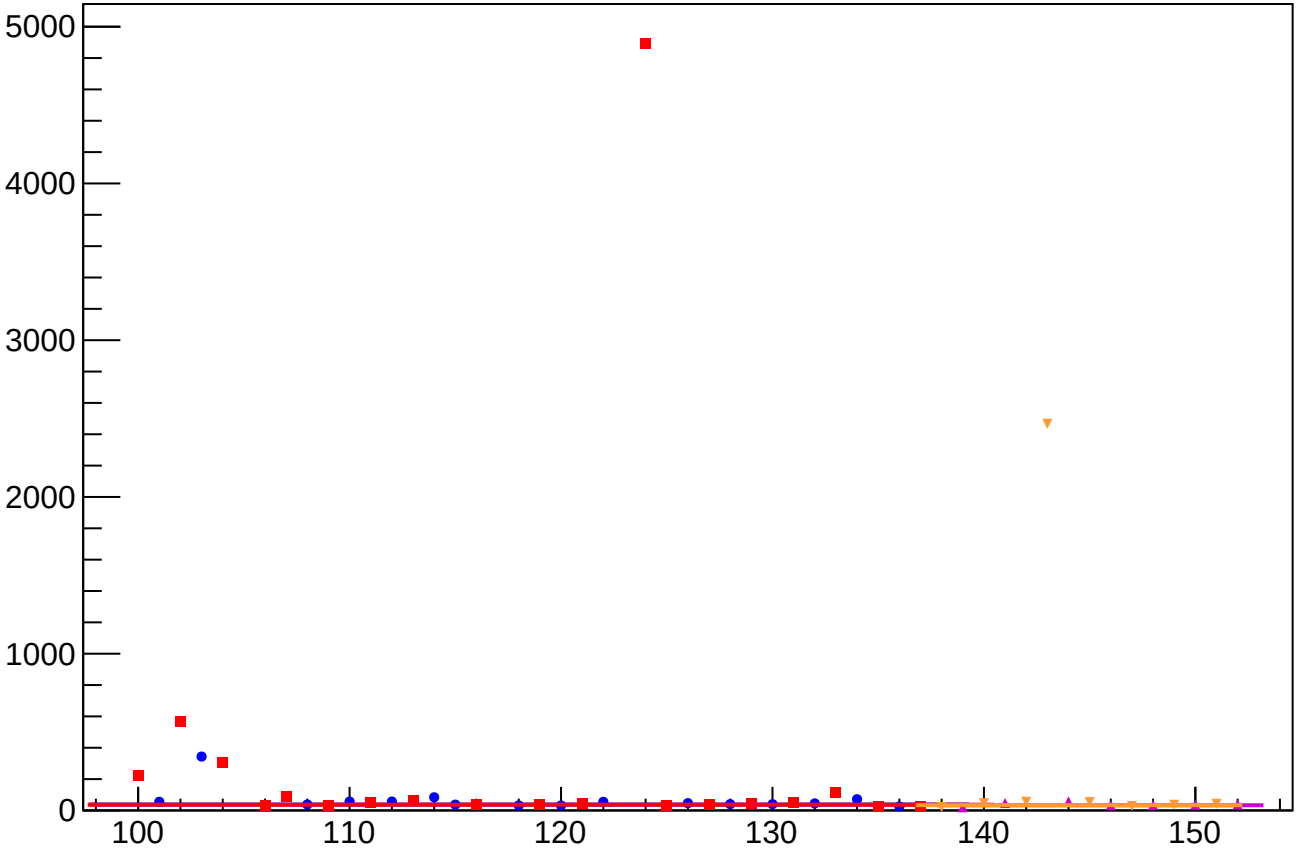
Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.5/49

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25

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: 33.647+/-0.011 χ^2/NDF:2486052.1/7

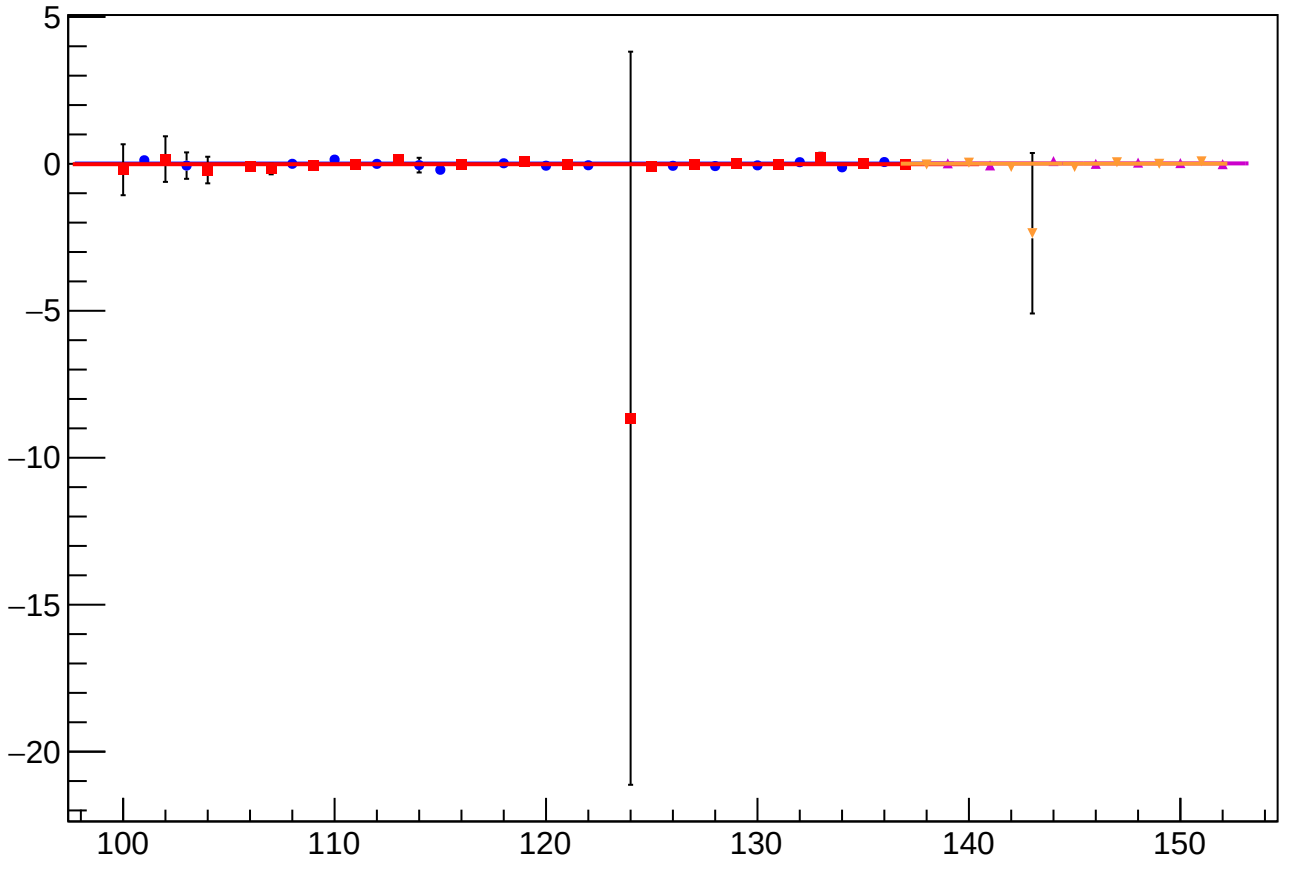
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.229+/-0.011 χ^2/NDF:938959.2/6

\+ sign 35.579+/-0.008 χ^2/NDF: 4526329.9/23

All: 35.191+/-0.006 χ^2/NDF: 8710428.7/49

\- sign 34.820+/-0.008 χ^2/NDF: 4179555.8/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

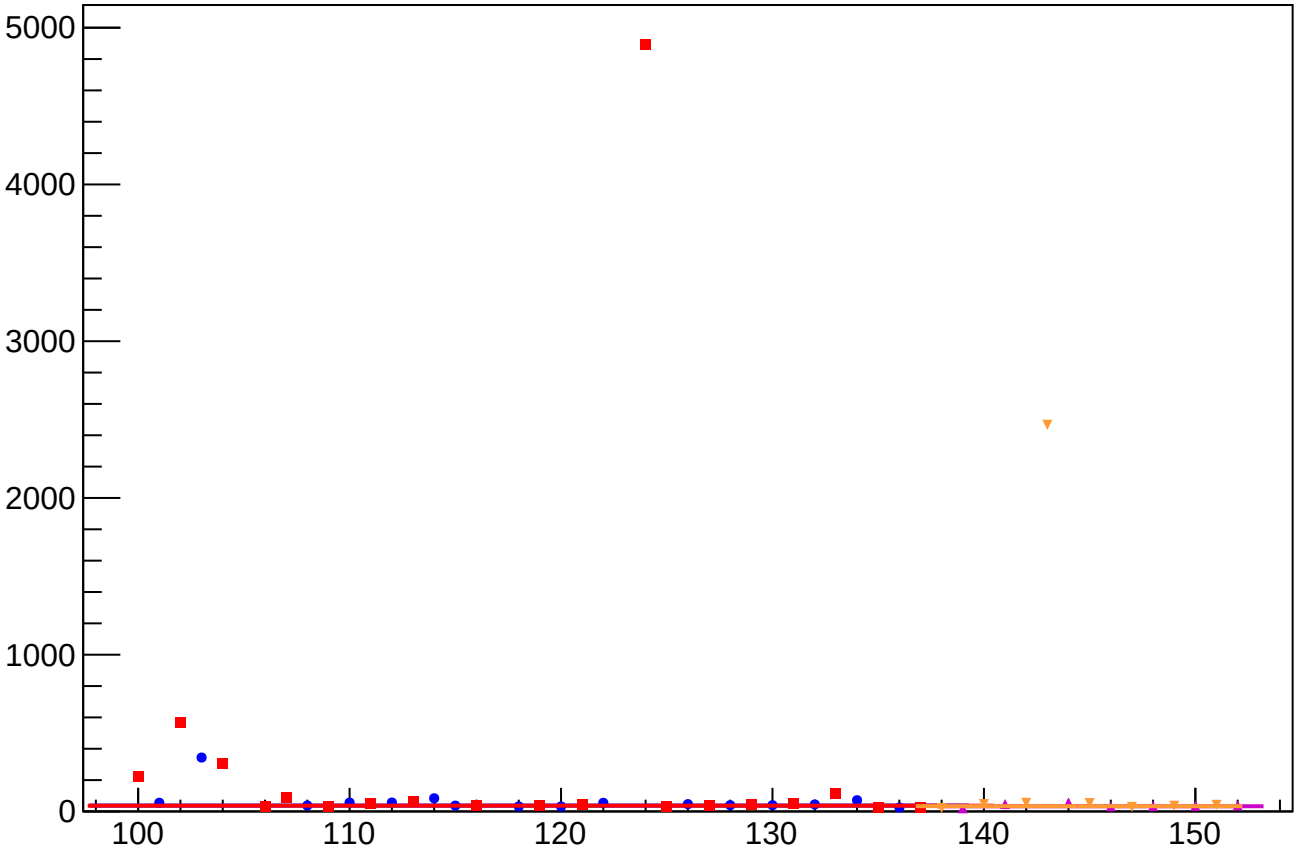
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.5/49

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.647+/-0.011 χ^2/NDF:2486052.1/7

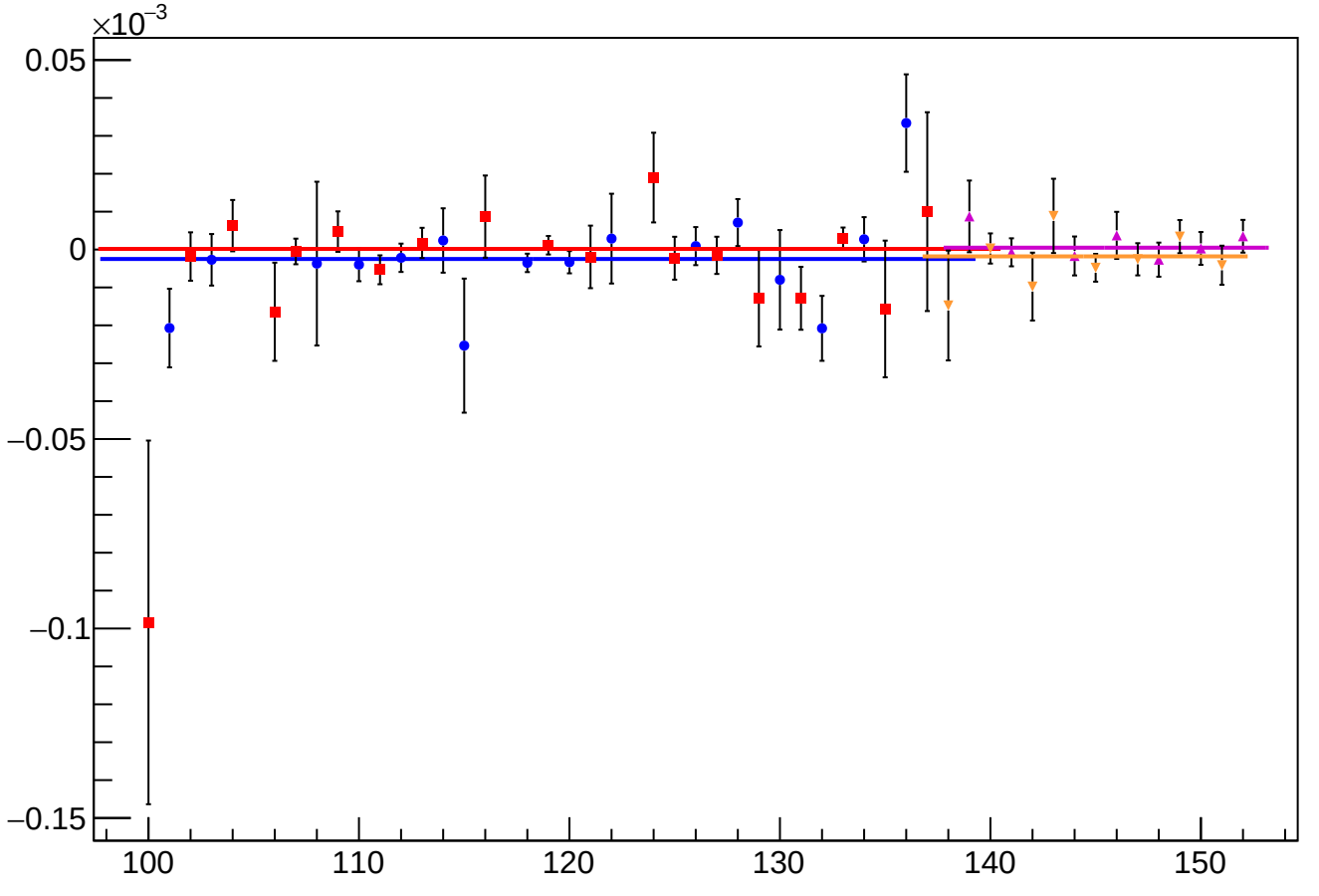
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.229+/-0.011 χ^2/NDF:938959.2/6

+ sign 35.579+/-0.008 χ^2/NDF: 4526329.9/23

All: 35.191+/-0.006 χ^2/NDF: 8710428.7/49

- sign 34.820+/-0.008 χ^2/NDF: 4179555.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/7

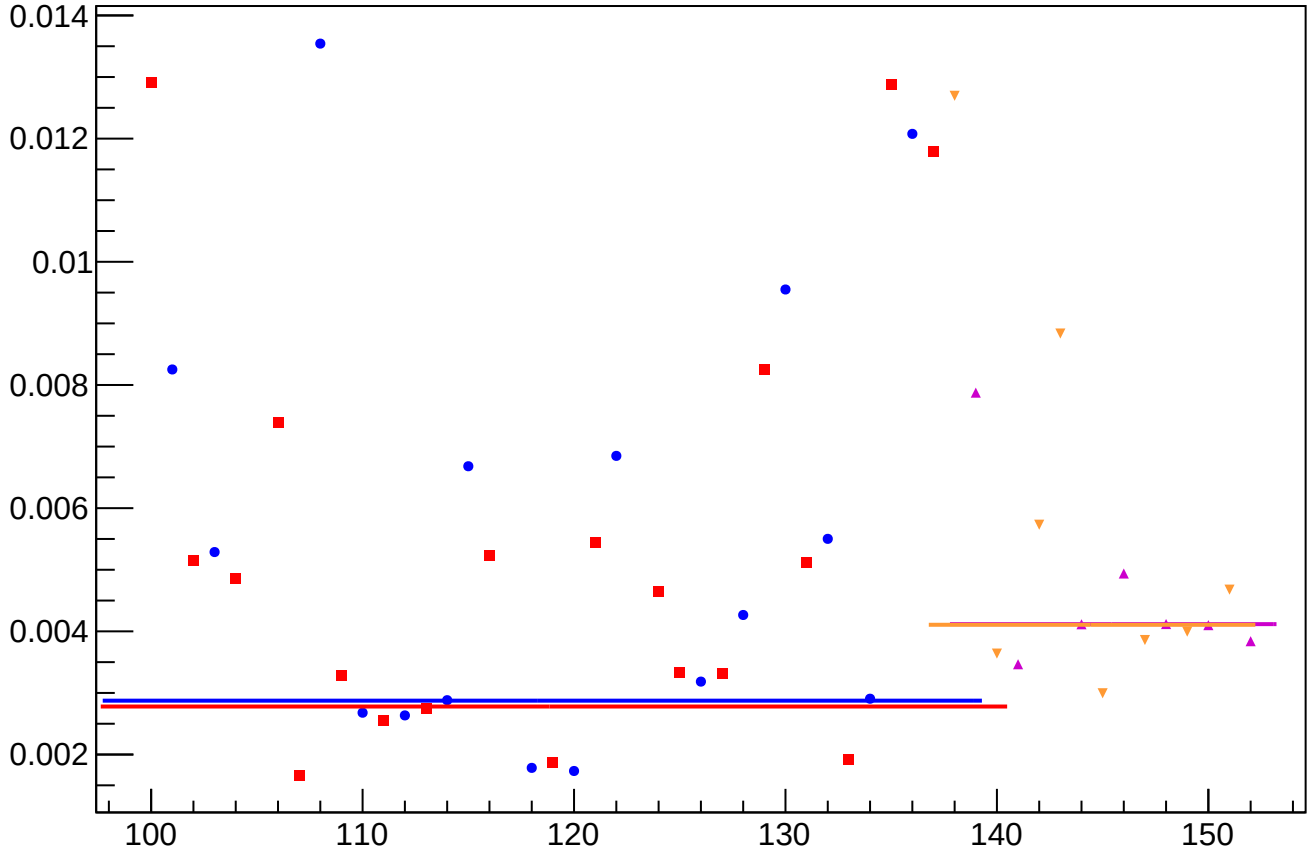
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 27.3/23

All: -0.000+/-0.000 χ^2/NDF: 51.6/49

- sign 0.000+/-0.000 χ^2/NDF: 21.2/25



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1477024.7/7

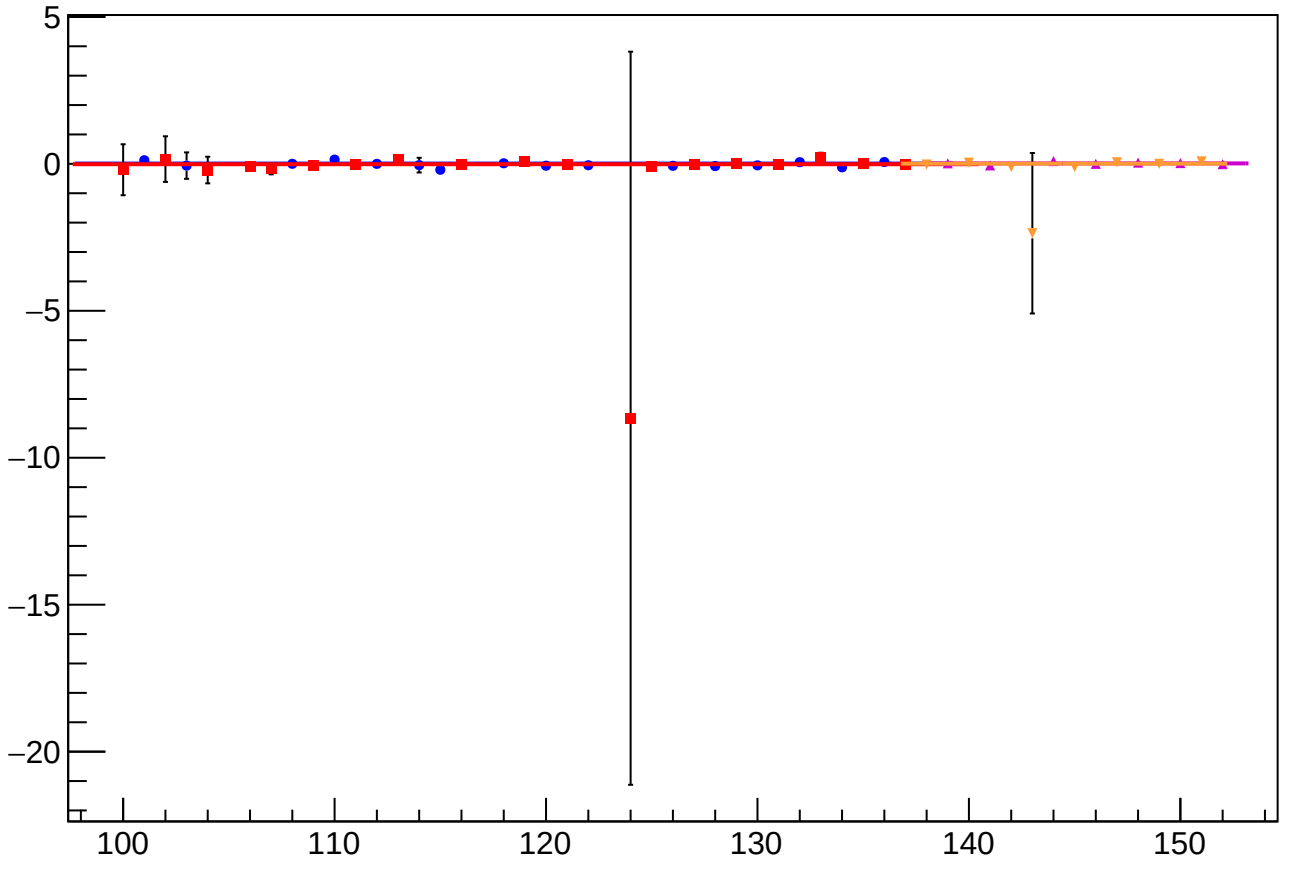
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:421329.1/6

+ sign 0.003+/-0.000 χ^2/NDF: 6245702.5/23

All: 0.003+/-0.000 χ^2/NDF: 10761214.4/49

- sign 0.003+/-0.000 χ^2/NDF: 4500258.8/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

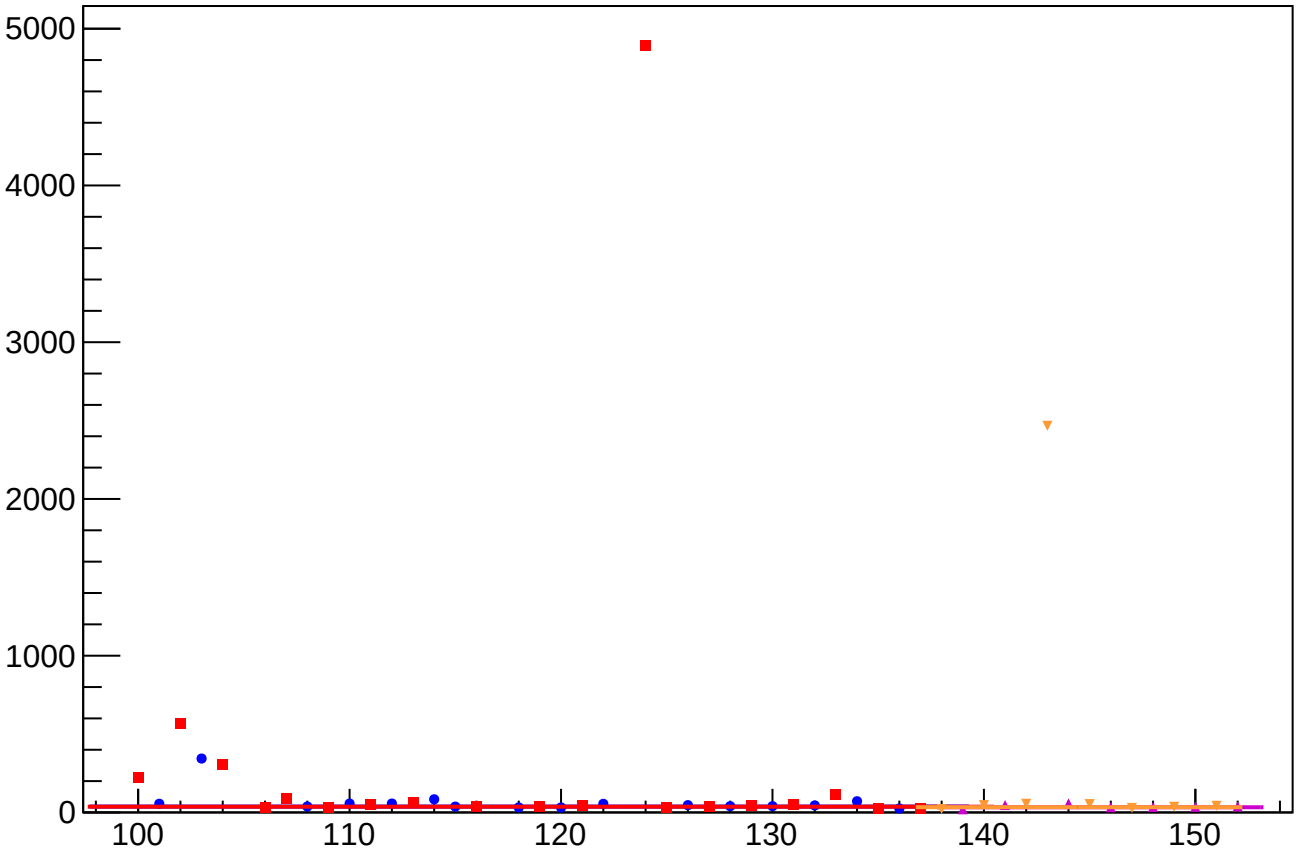
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.5/49

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.644+/-0.011 χ^2/NDF:2486425.7/7

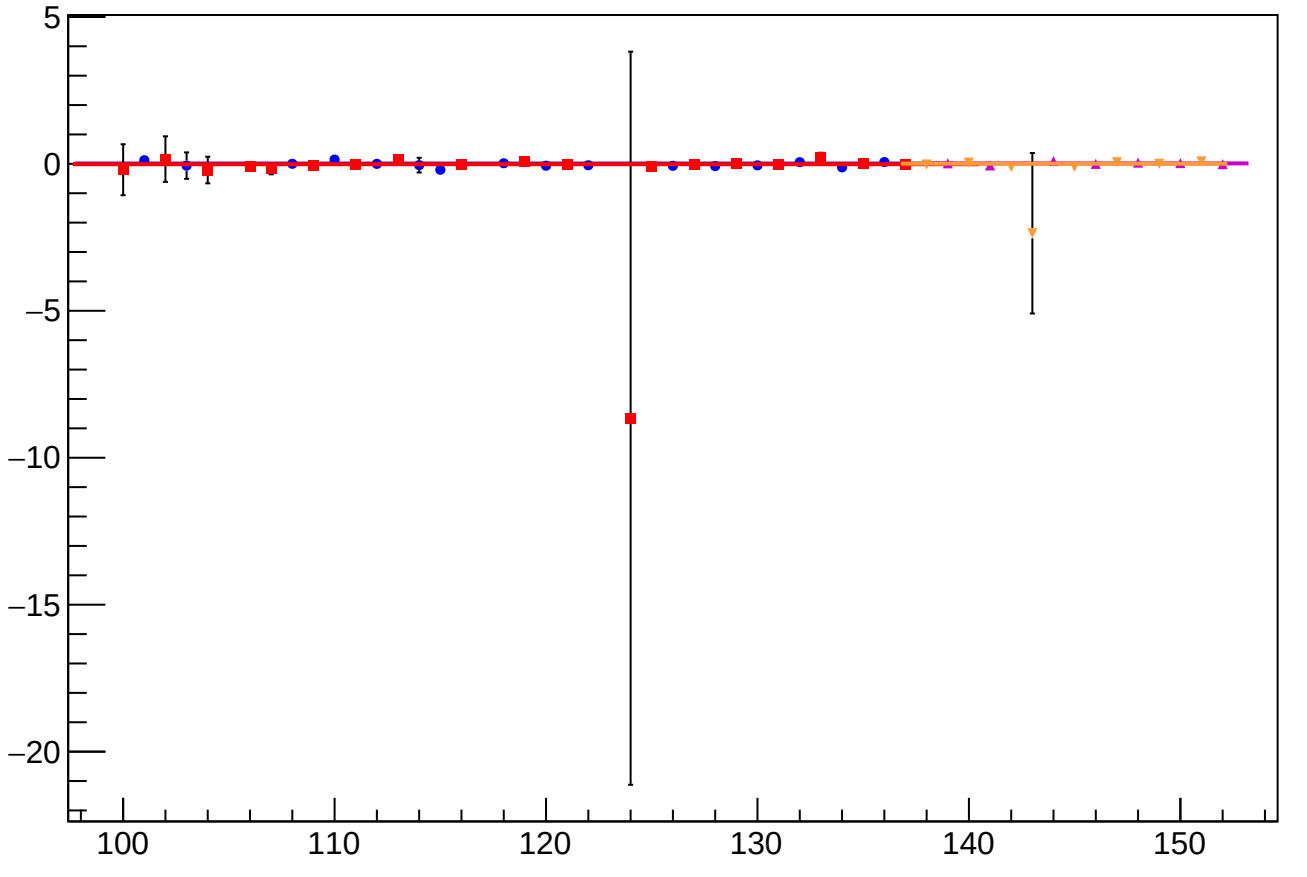
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.233+/-0.011 χ^2/NDF:938144.4/6

+ sign 35.578+/-0.008 χ^2/NDF: 4526743.0/23

All: 35.192+/-0.006 χ^2/NDF: 8709602.5/49

- sign 34.823+/-0.008 χ^2/NDF: 4178369.5/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

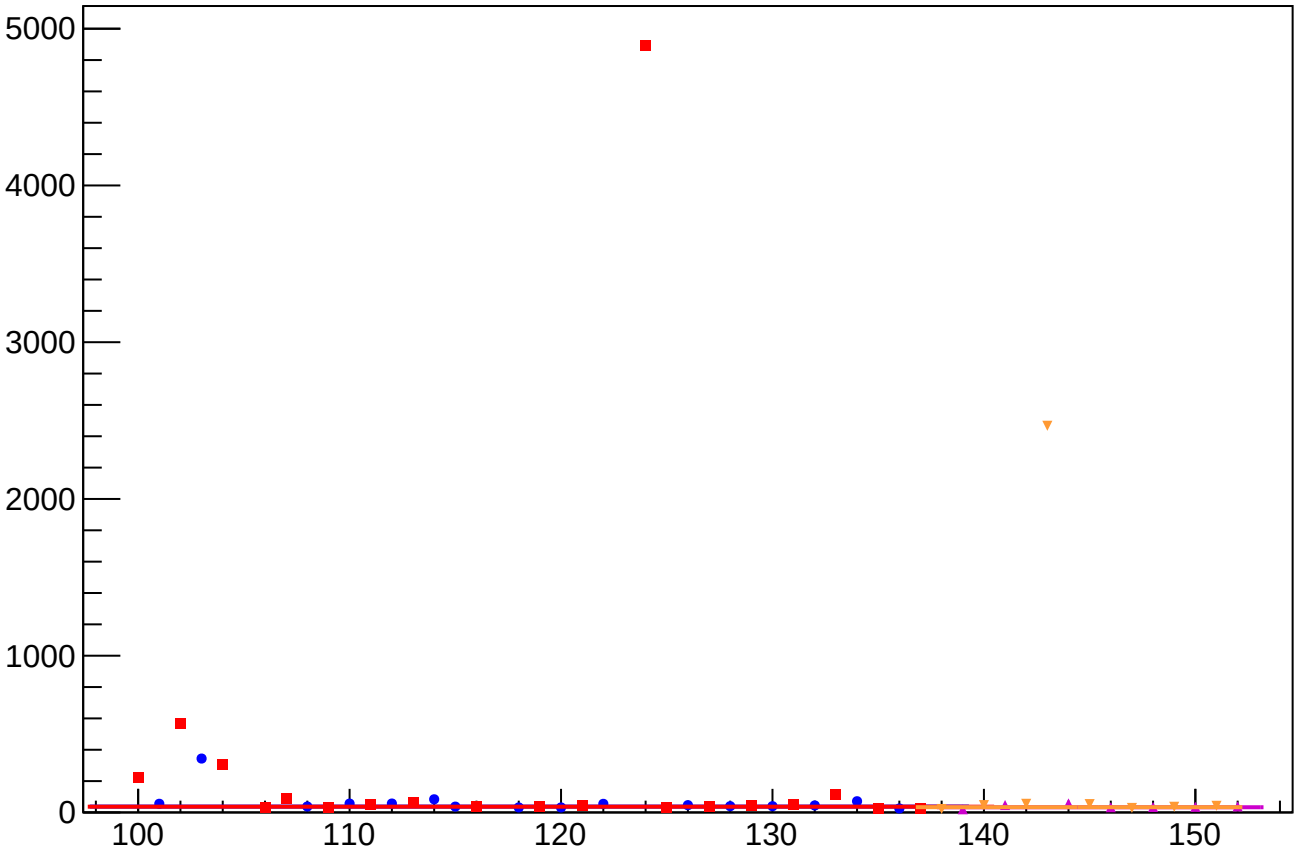
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.5/49

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.644+/-0.011 χ^2/NDF:2486425.7/7

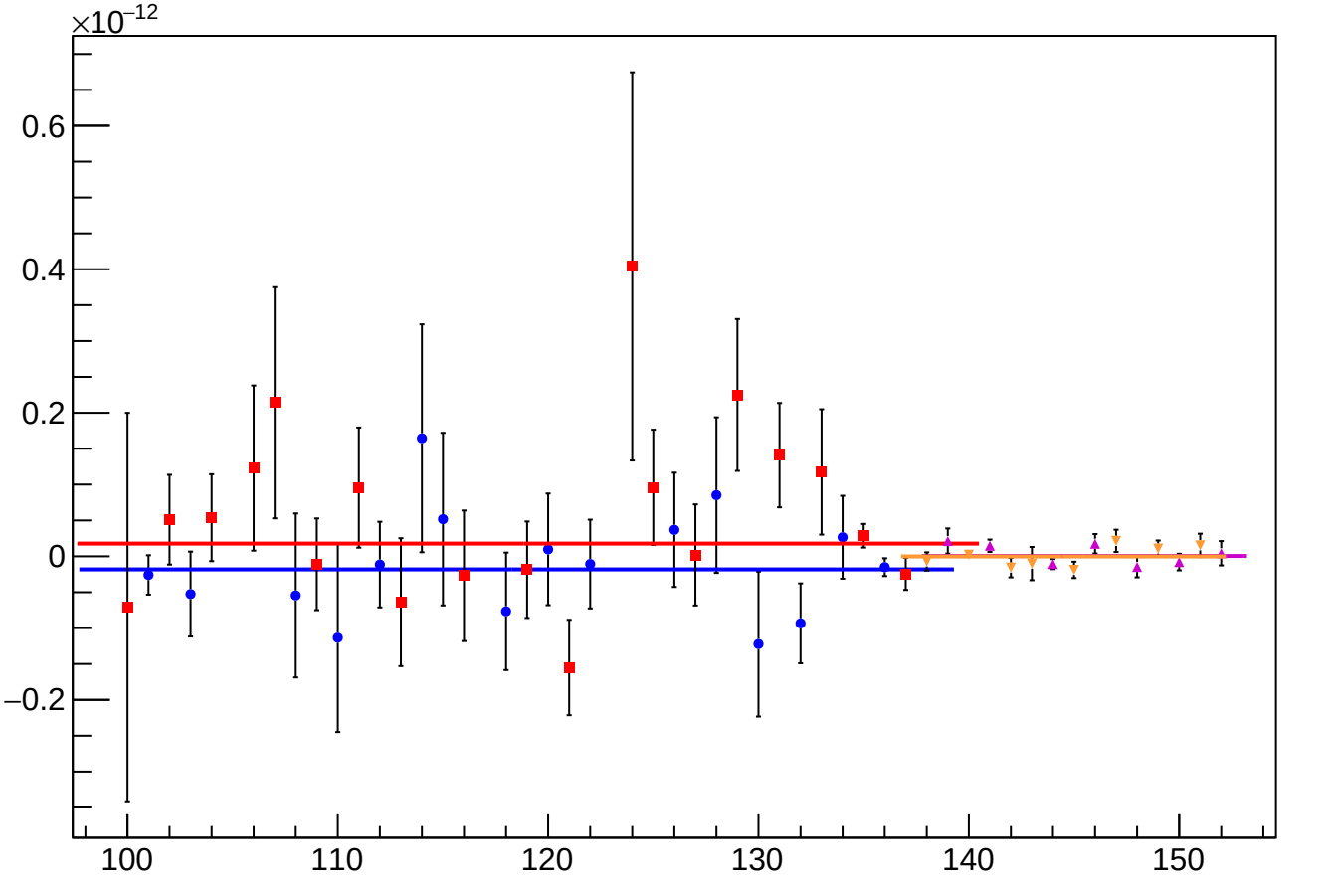
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.233+/-0.011 χ^2/NDF:938144.4/6

+ sign 35.578+/-0.008 χ^2/NDF: 4526743.0/23

All: 35.192+/-0.006 χ^2/NDF: 8709602.5/49

- sign 34.823+/-0.008 χ^2/NDF: 4178369.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.4/7

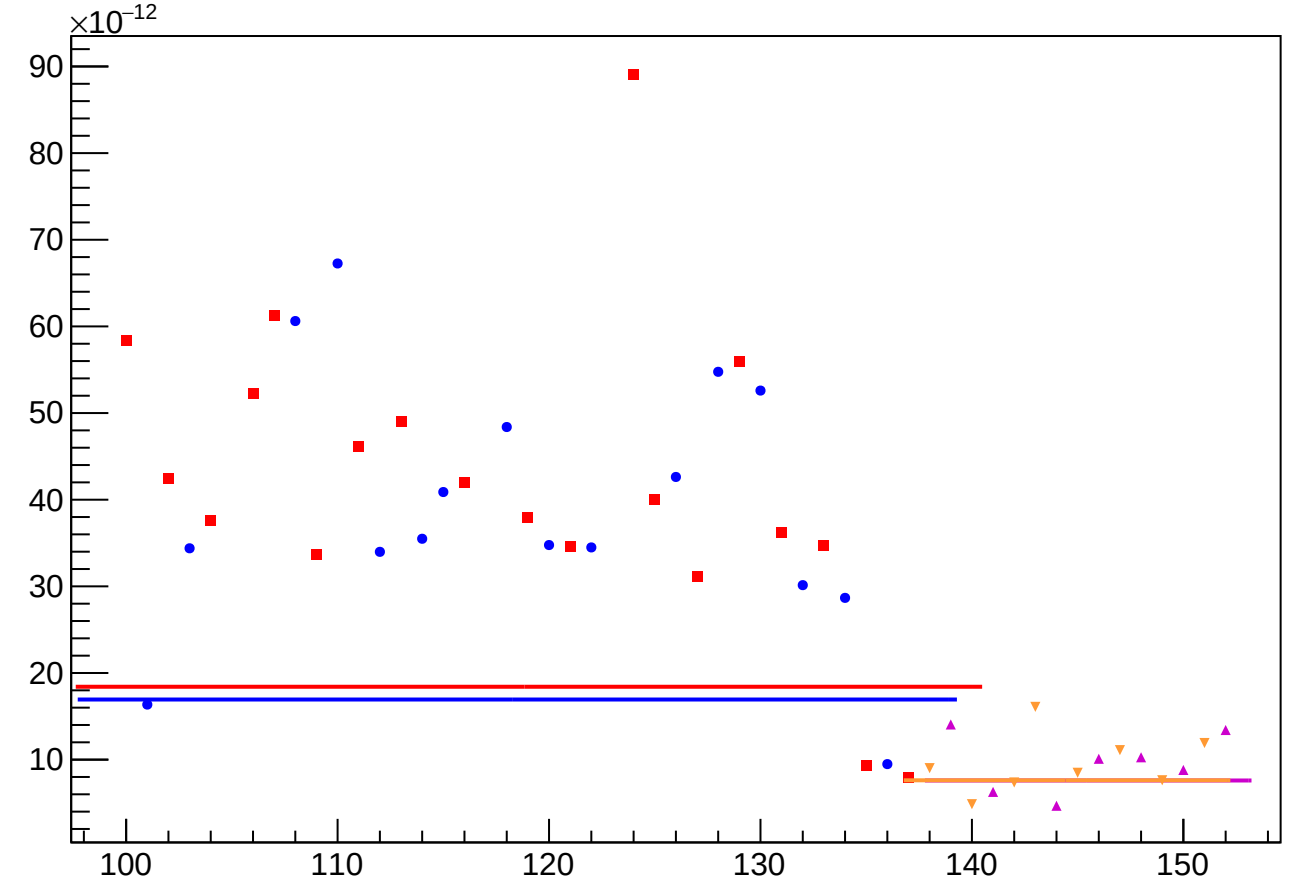
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 19.6/23

All: -0.000+/-0.000 χ^2/NDF: 60.0/49

- sign 0.000+/-0.000 χ^2/NDF: 39.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:878202.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

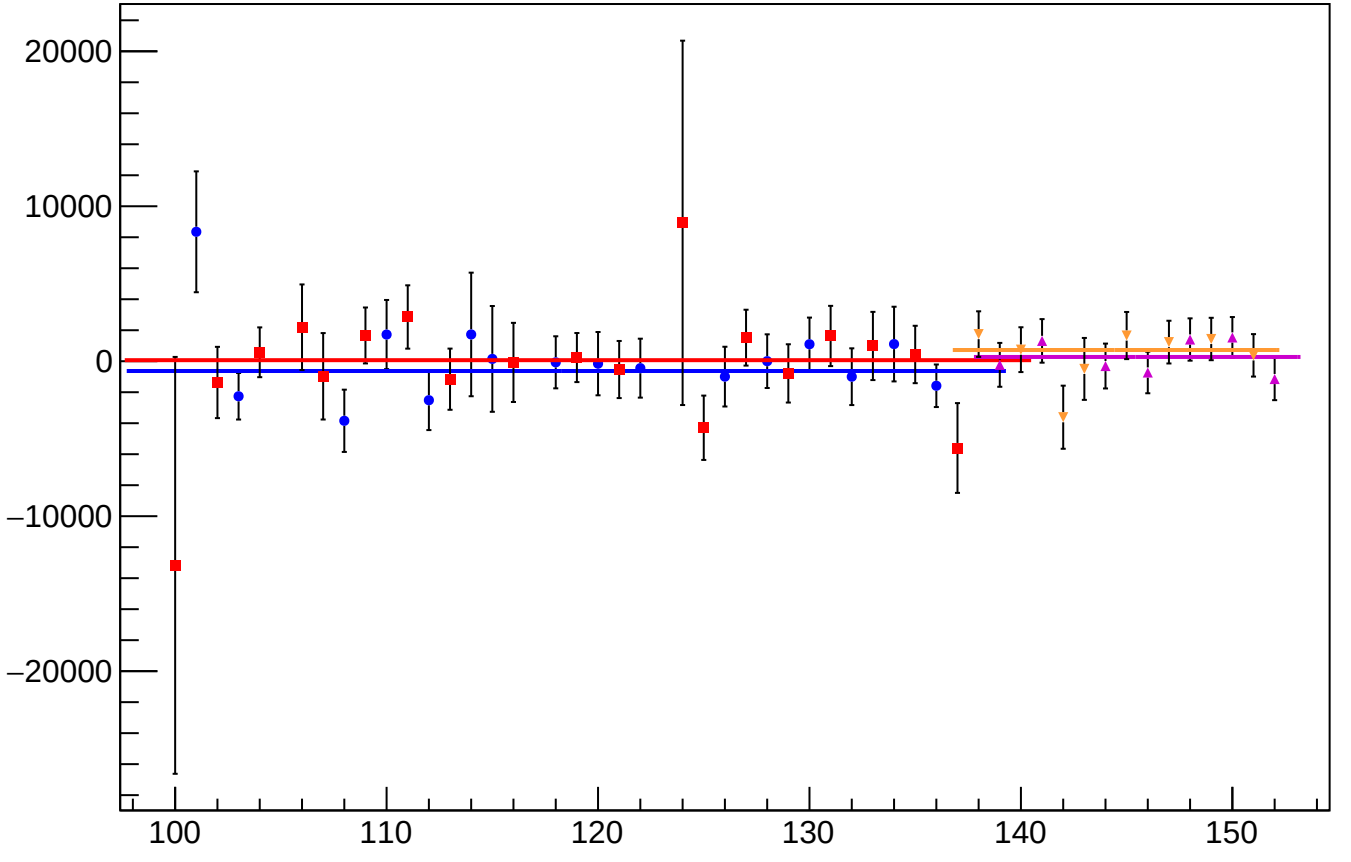
Left In: 0.000+/-0.000 χ^2/NDF:1056828.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 5593722.7/23

All: 0.000+/-0.000 χ^2/NDF: 12004502.9/49

- sign 0.000+/-0.000 χ^2/NDF: 6410537.9/25

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.837+/-537.862 χ^2/NDF:6.2/7

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

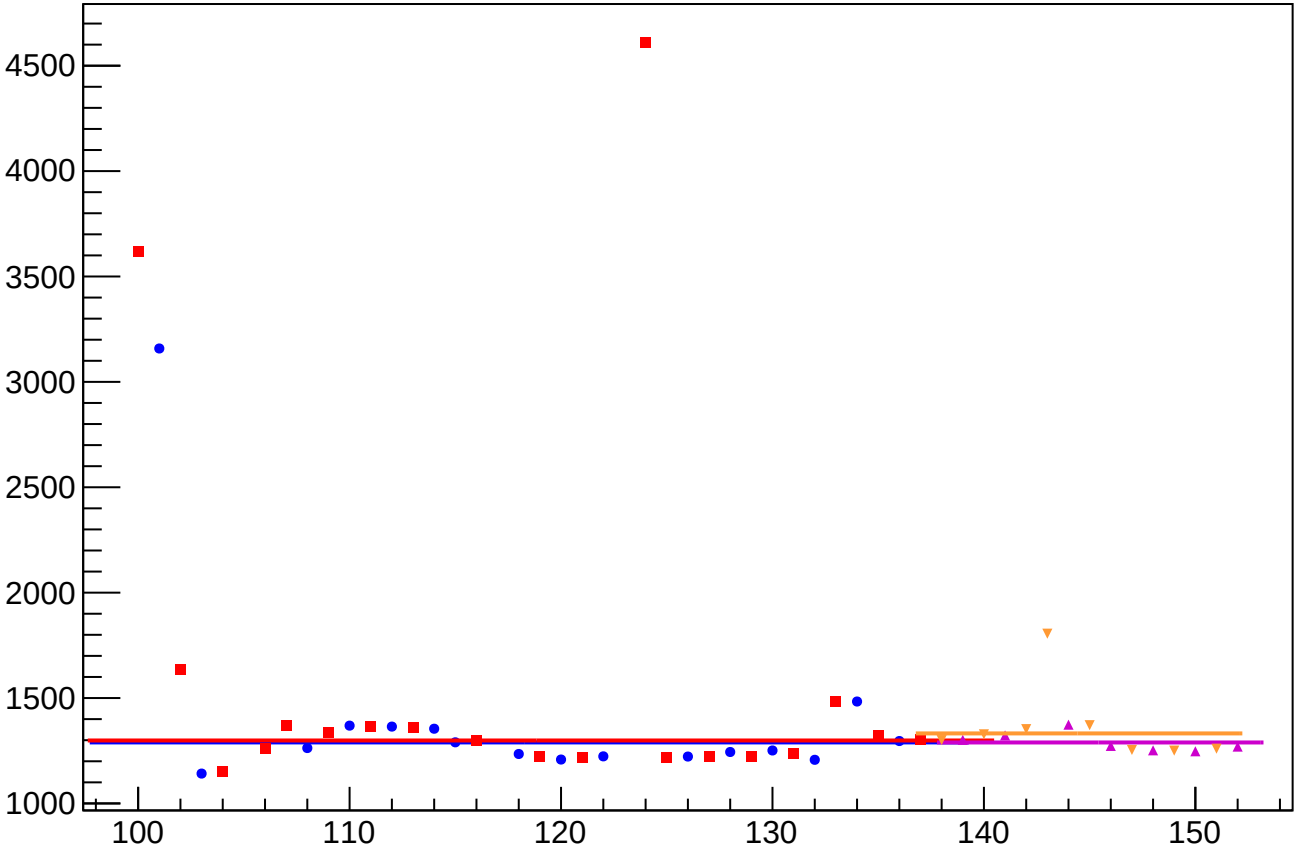
Left In: 274.938+/-520.586 χ^2/NDF:4.1/6

+ sign -18.389+/-361.682 χ^2/NDF: 23.6/23

All: 74.544+/-253.693 χ^2/NDF: 43.8/49

- sign 164.549+/-355.938 χ^2/NDF: 20.0/25

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

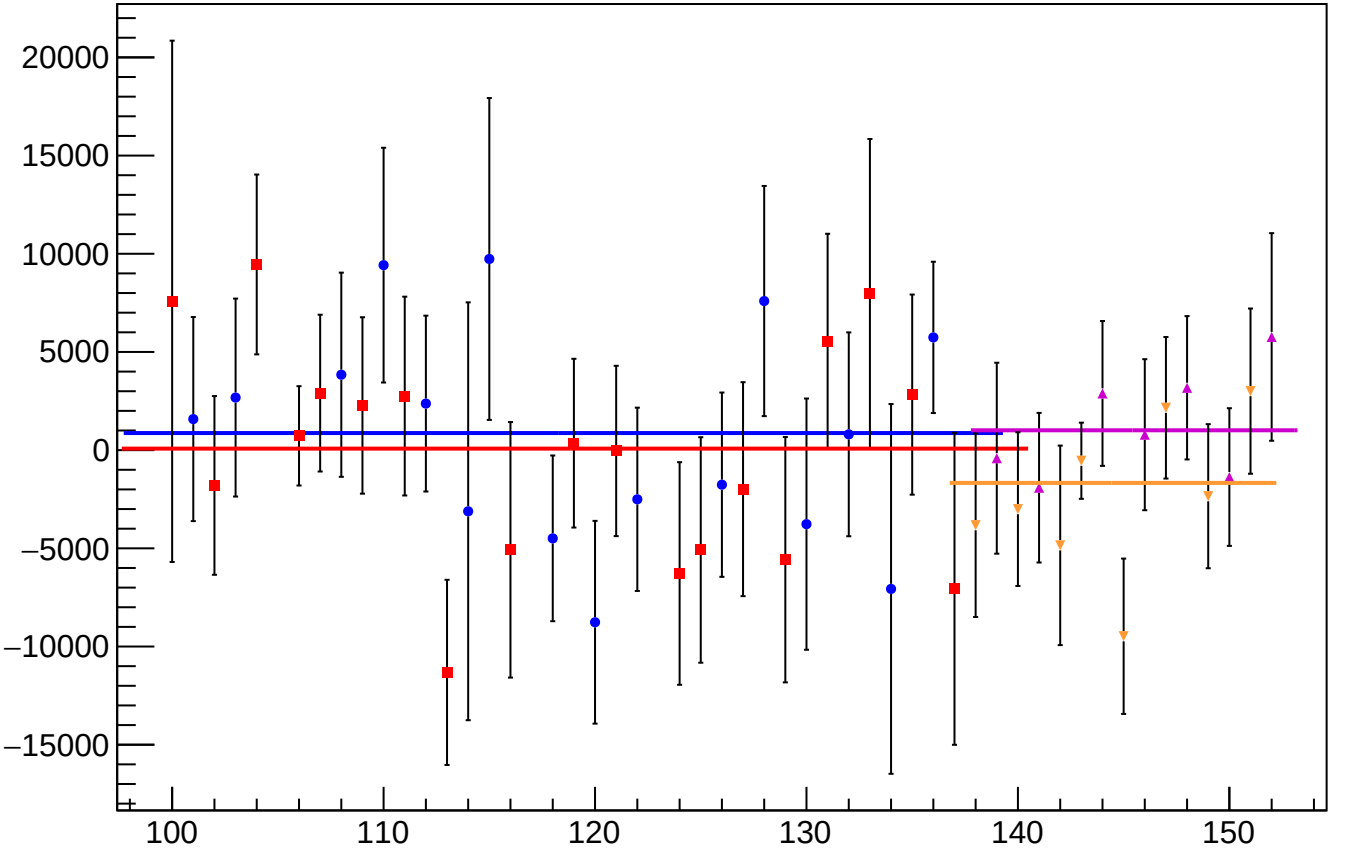
Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1308.784+/-0.256 χ^2/NDF: 655339.9/23

All: 1301.395+/-0.179 χ^2/NDF: 989016.6/49

- sign 1294.258+/-0.251 χ^2/NDF: 332035.7/25

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1668.580+/-1206.139 χ^2/NDF:7.4/7

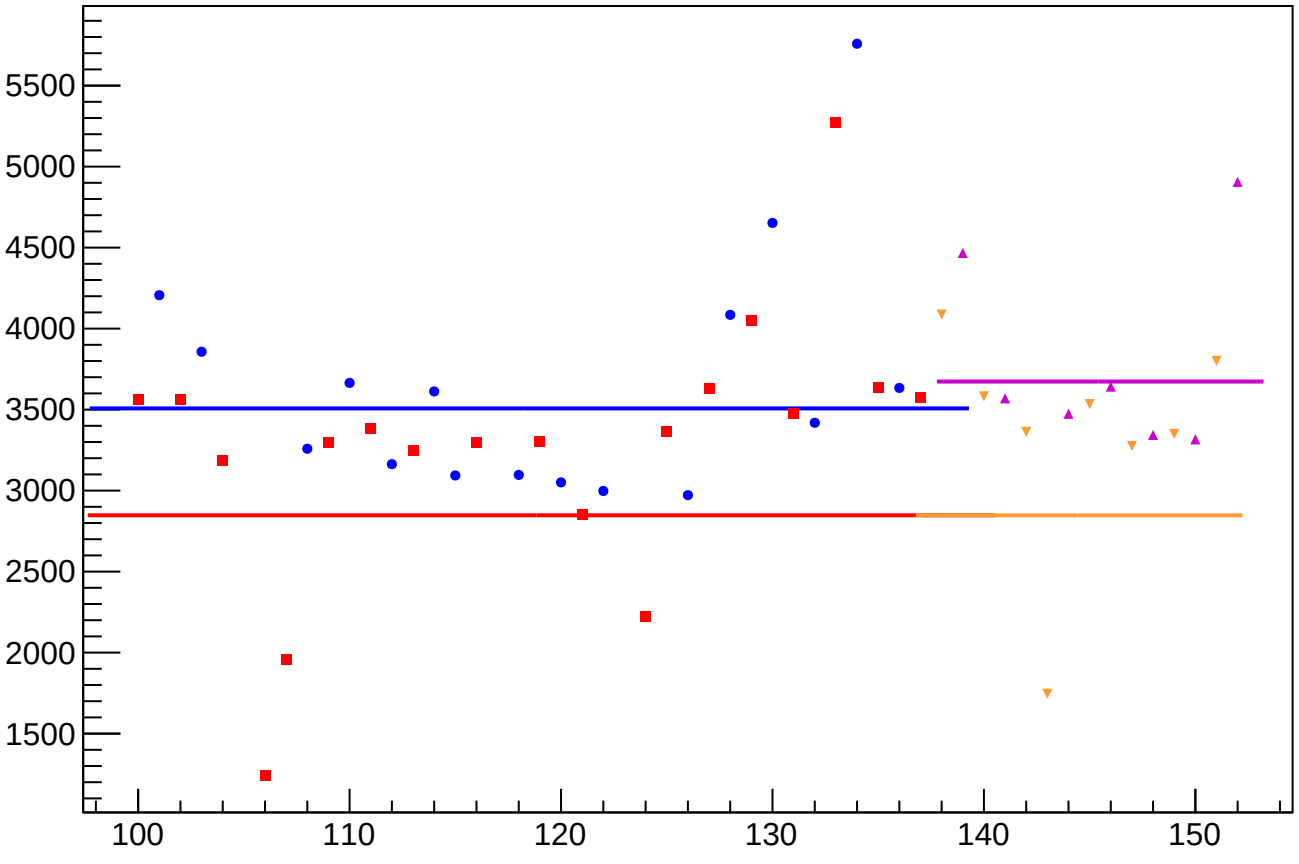
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1011.118+/-1499.665 χ^2/NDF:2.6/6

\+ sign -518.368+/-892.021 χ^2/NDF: 23.4/23

All: -55.441+/-631.012 χ^2/NDF: 45.1/49

\- sign 408.244+/-892.752 χ^2/NDF: 21.2/25



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2847.311+/-0.853 χ^2/NDF:1105175.2/7

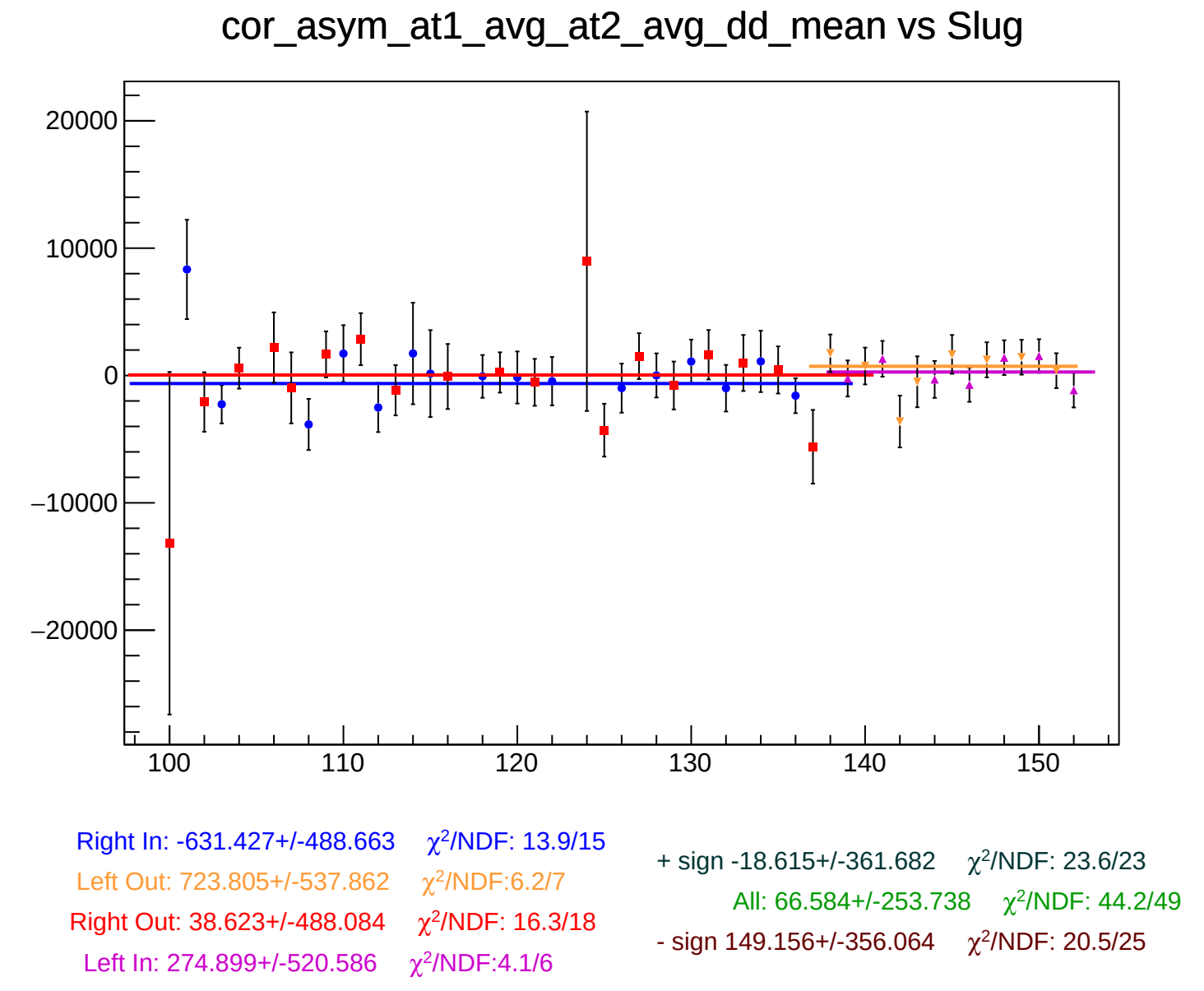
Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3673.333+/-1.060 χ^2/NDF:206565.8/6

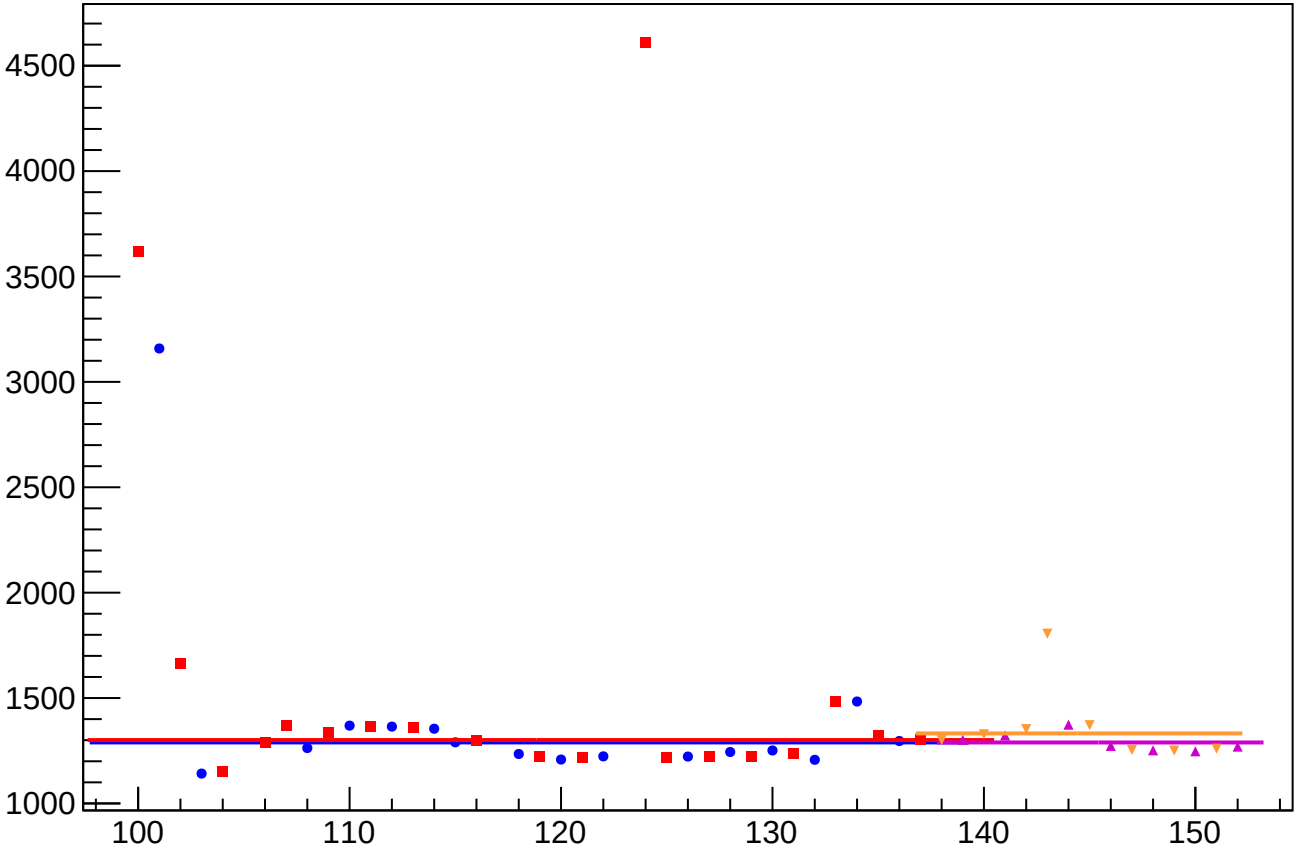
+ sign 3146.356+/-0.631 χ^2/NDF: 1730531.0/23

All: 3143.368+/-0.446 χ^2/NDF: 3827761.8/49

- sign 3140.376+/-0.631 χ^2/NDF: 2097185.8/25


cor_asym_at1_avg_at2_avg_dd_mean vs Slug
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 723.805+/-537.862 χ²/NDF:6.2/7
Right Out: 38.623+/-488.084 χ²/NDF: 16.3/18
Left In: 274.899+/-520.586 χ²/NDF:4.1/6
+ sign -18.615+/-361.682 χ²/NDF: 23.6/23
All: 66.584+/-253.738 χ²/NDF: 44.2/49
- sign 149.156+/-356.064 χ²/NDF: 20.5/25

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

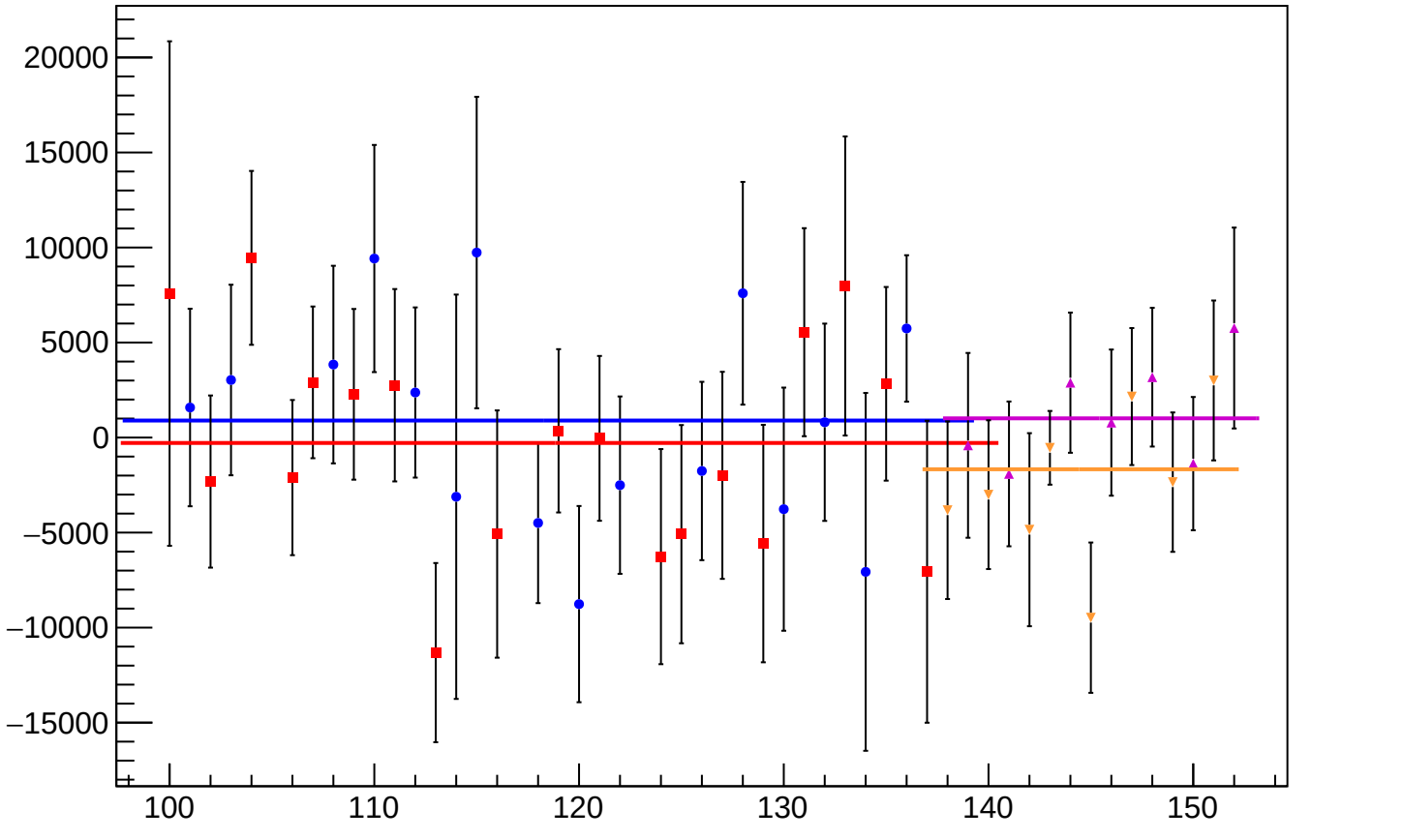
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1308.784+/-0.256 χ^2/NDF: 655341.4/23

All: 1301.946+/-0.179 χ^2/NDF: 995482.2/49

- sign 1295.333+/-0.252 χ^2/NDF: 338734.7/25



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1668.503+/-1206.136 χ^2/NDF:7.4/7

Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

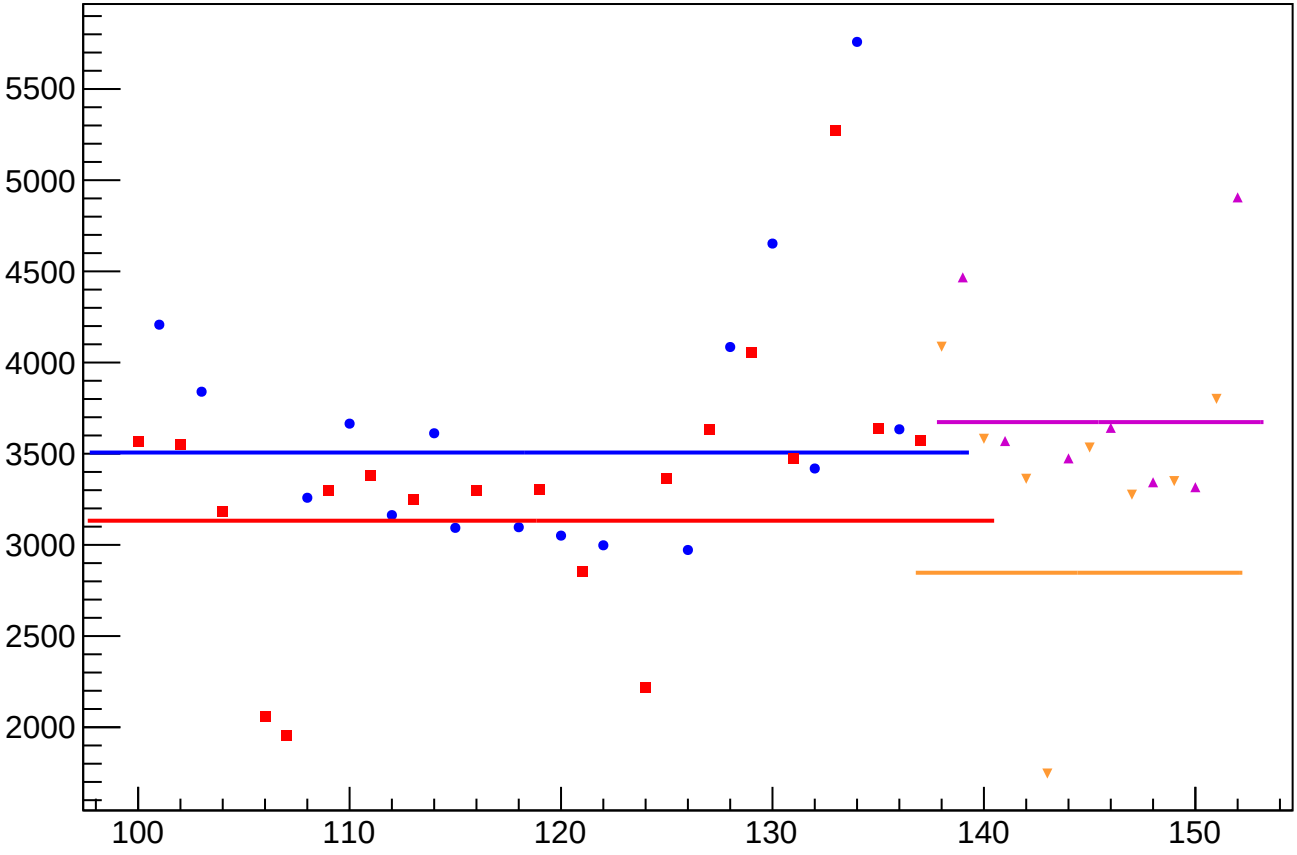
Left In: 1011.150+/-1499.663 χ^2/NDF:2.6/6

+ sign -506.240+/-891.881 χ^2/NDF: 23.5/23

All: -161.275+/-643.339 χ^2/NDF: 45.4/49

- sign 212.907+/-928.884 χ^2/NDF: 21.6/25

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: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

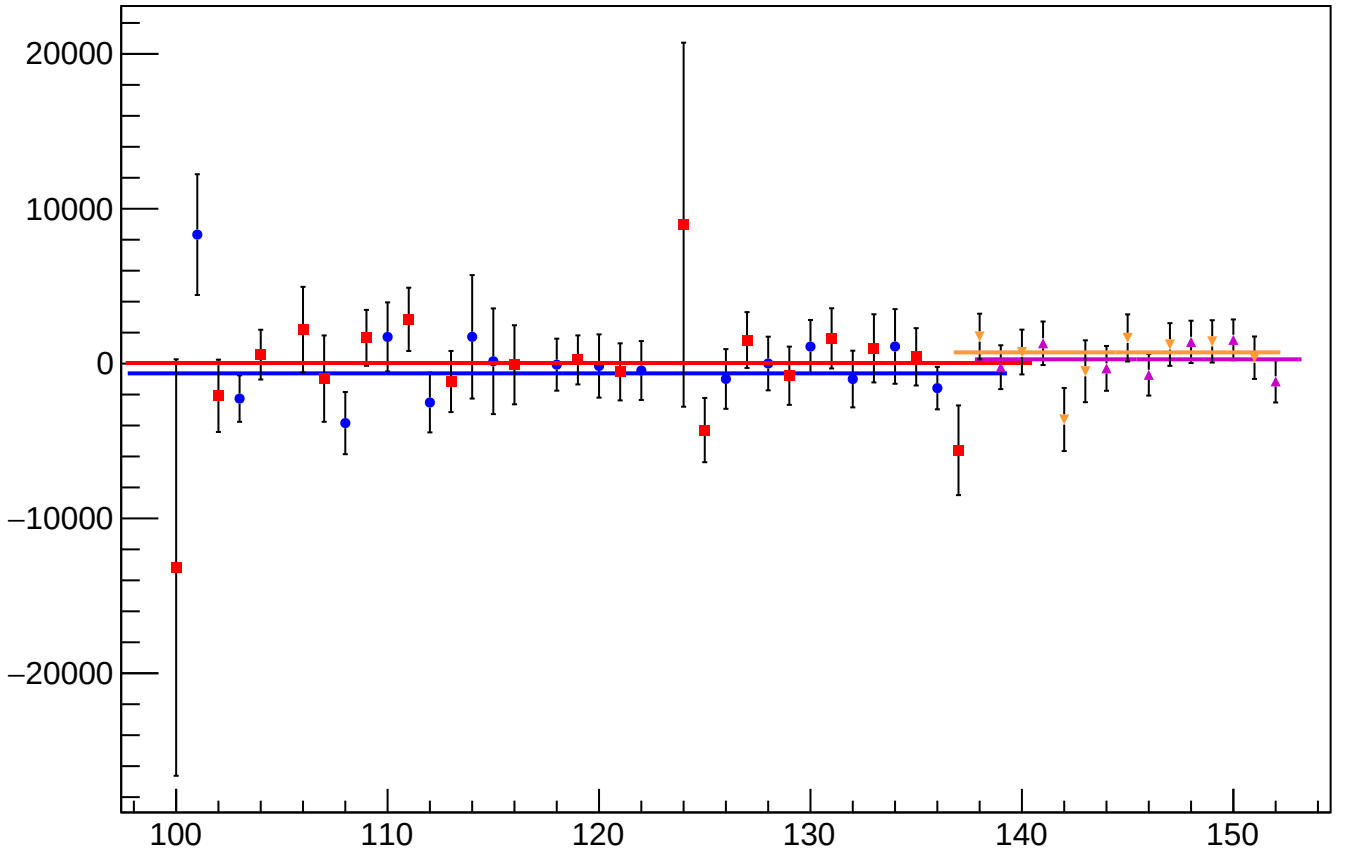
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

+ sign 3146.049+/-0.631 χ^2/NDF: 1729169.7/23

All: 3239.104+/-0.455 χ^2/NDF: 2791004.1/49

- sign 3340.042+/-0.657 χ^2/NDF: 1016446.0/25



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

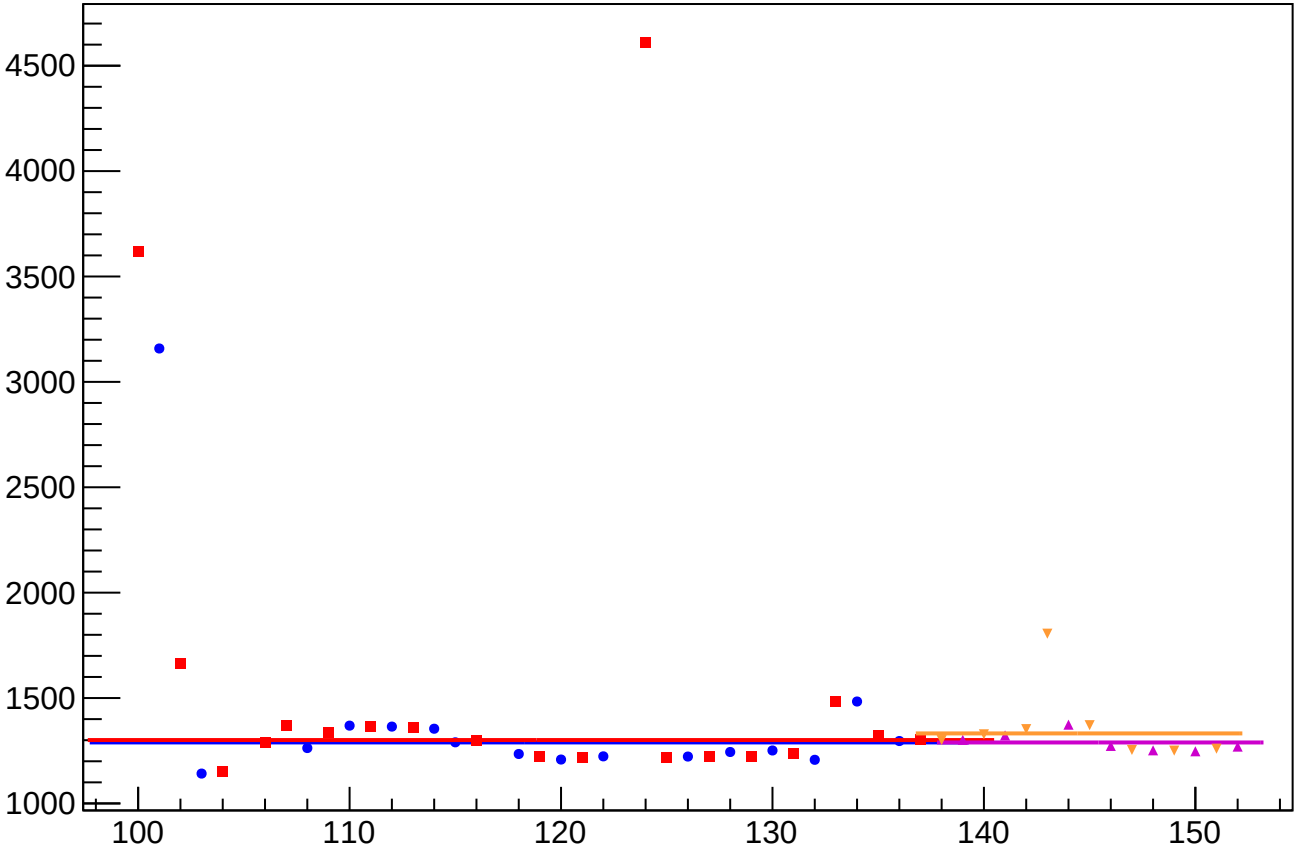
Left In: 274.899+/-520.586 χ^2/NDF:4.1/6

\+ sign -18.615+/-361.682 χ^2/NDF: 23.6/23

All: 66.584+/-253.738 χ^2/NDF: 44.2/49

\- sign 149.156+/-356.064 χ^2/NDF: 20.5/25

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: 1332.187+/-0.380 χ^2/NDF:133752.8/7

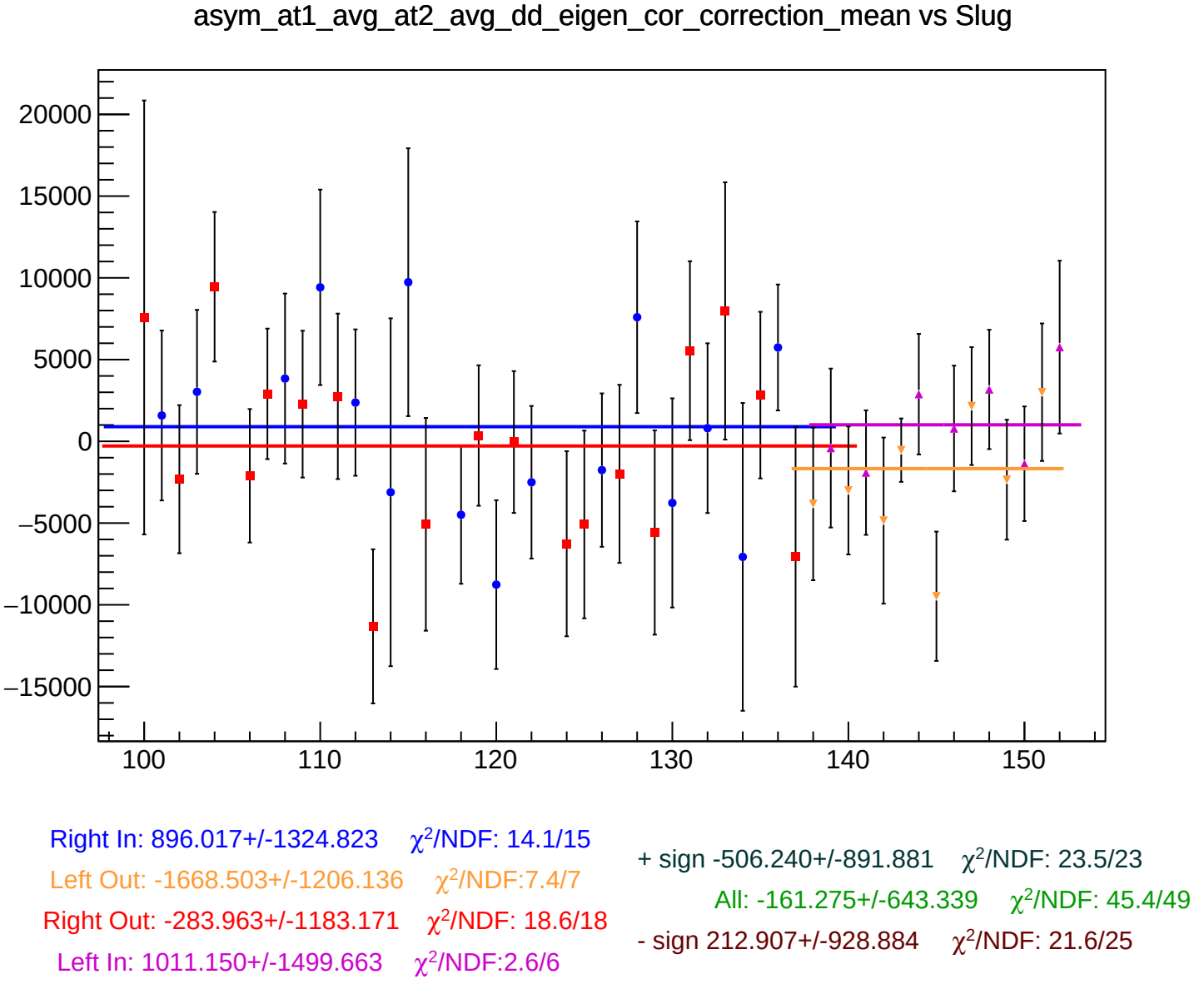
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

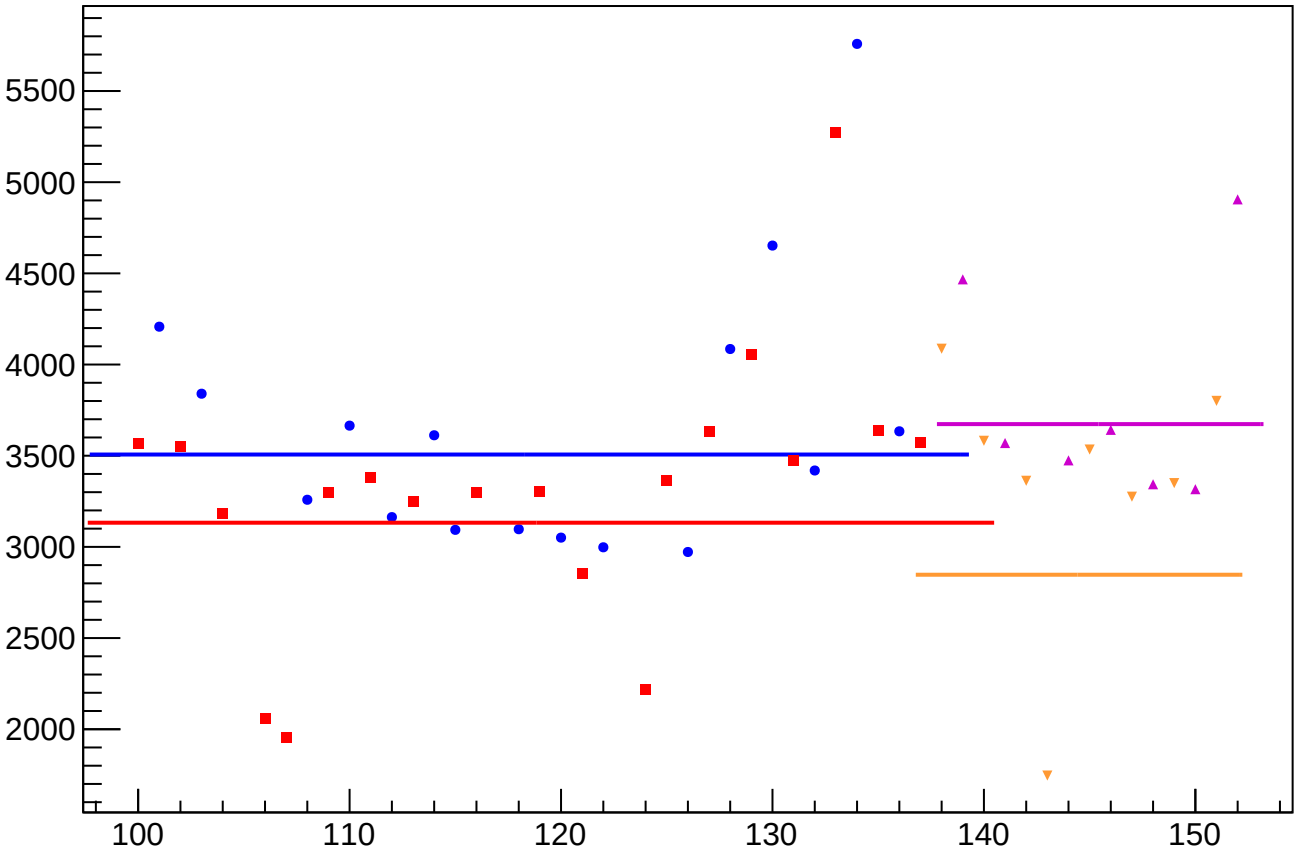
Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1308.784+/-0.256 χ^2/NDF: 655341.4/23

All: 1301.946+/-0.179 χ^2/NDF: 995482.2/49

- sign 1295.333+/-0.252 χ^2/NDF: 338734.7/25


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: -1668.503+/-1206.136 χ²/NDF:7.4/7
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1011.150+/-1499.663 χ²/NDF:2.6/6
+ sign -506.240+/-891.881 χ²/NDF: 23.5/23
All: -161.275+/-643.339 χ²/NDF: 45.4/49
- sign 212.907+/-928.884 χ²/NDF: 21.6/25



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

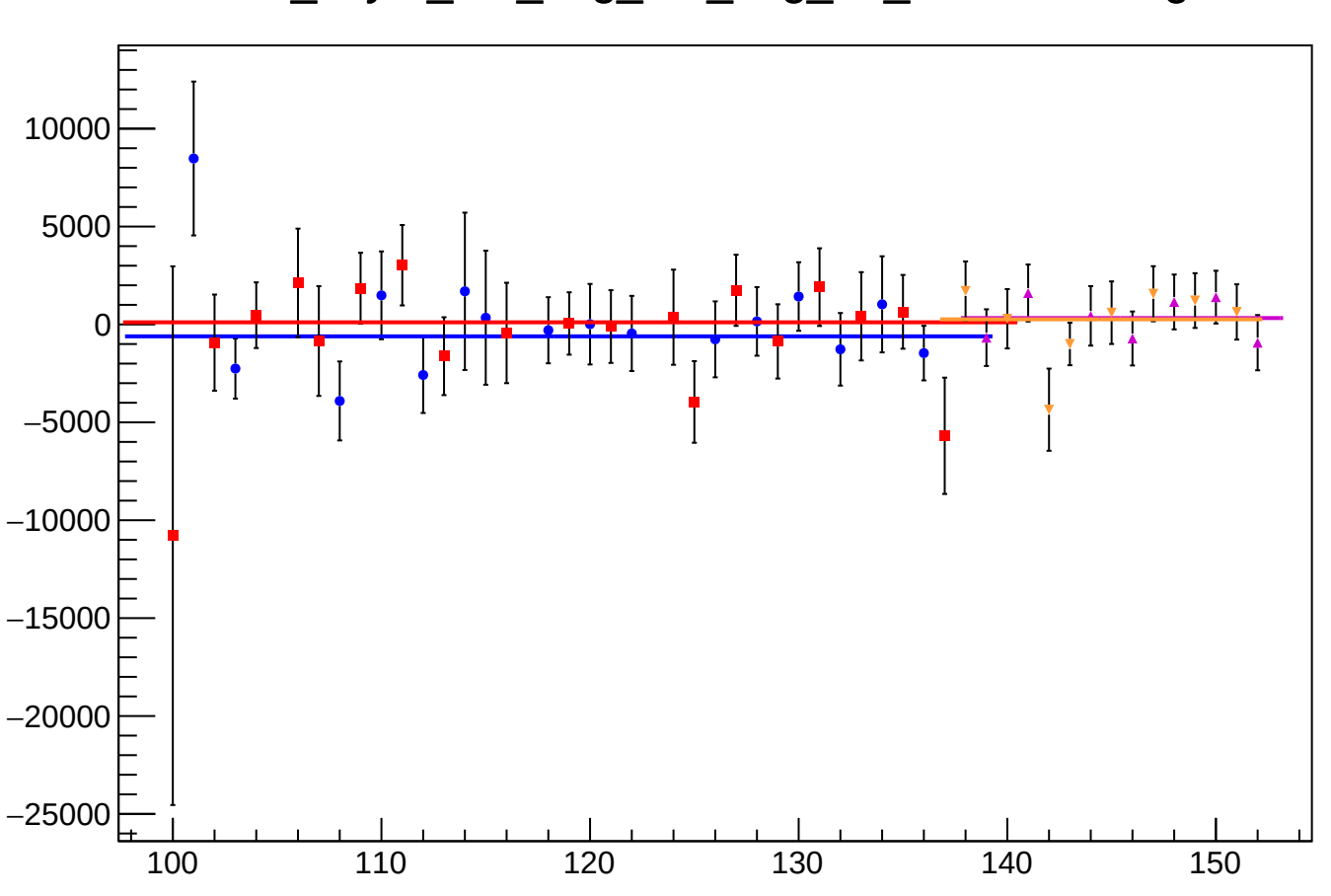
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

+ sign 3146.049+/-0.631 χ^2/NDF: 1729169.7/23

All: 3239.104+/-0.455 χ^2/NDF: 2791004.1/49

- sign 3340.042+/-0.657 χ^2/NDF: 1016446.0/25



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.523+/-508.892 χ^2/NDF:8.6/7

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

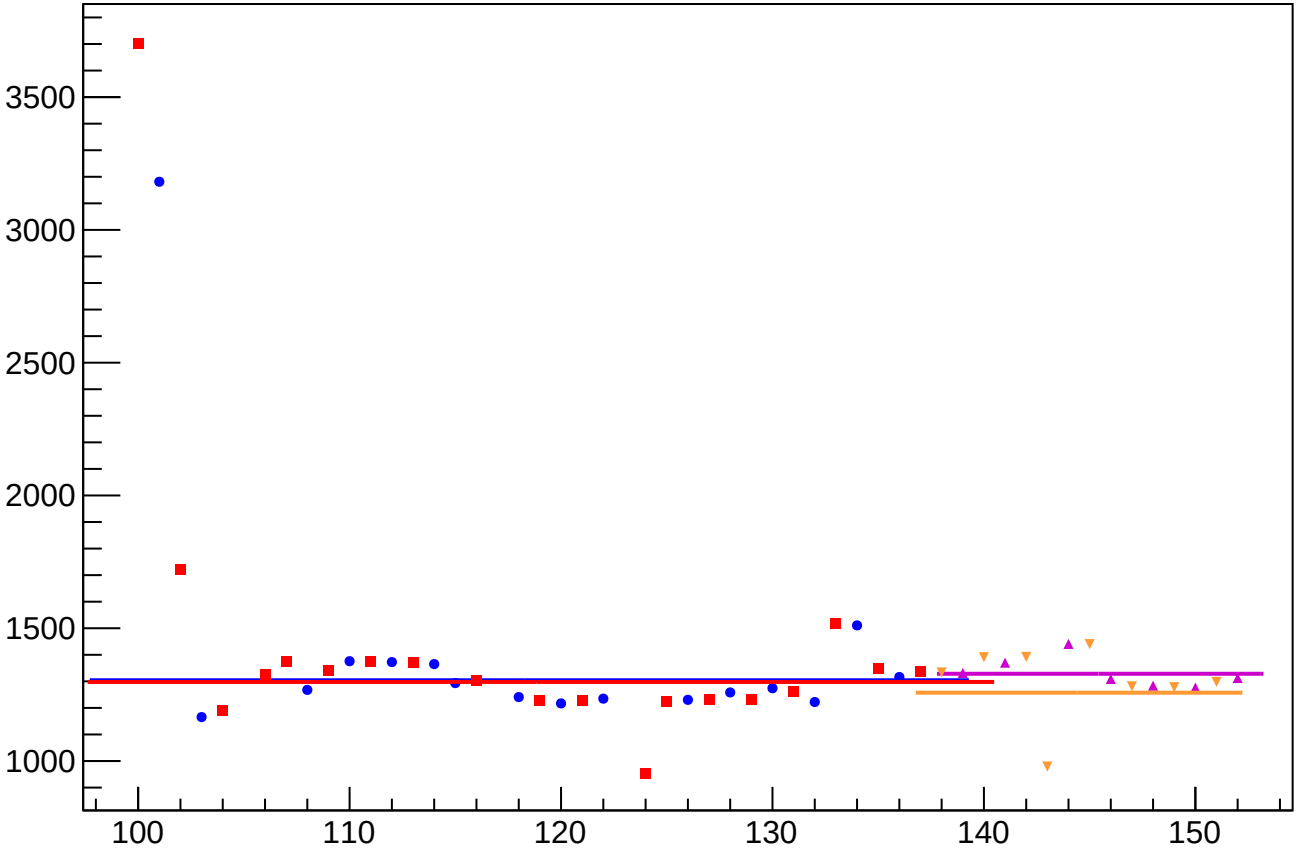
Left In: 326.169+/-536.661 χ^2/NDF:3.6/6

+ sign -186.385+/-354.526 χ^2/NDF: 24.2/23

All: 7.038+/-252.619 χ^2/NDF: 43.3/49

- sign 206.541+/-360.054 χ^2/NDF: 18.6/25

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1257.332+/-0.360 χ^2/NDF:189333.3/7

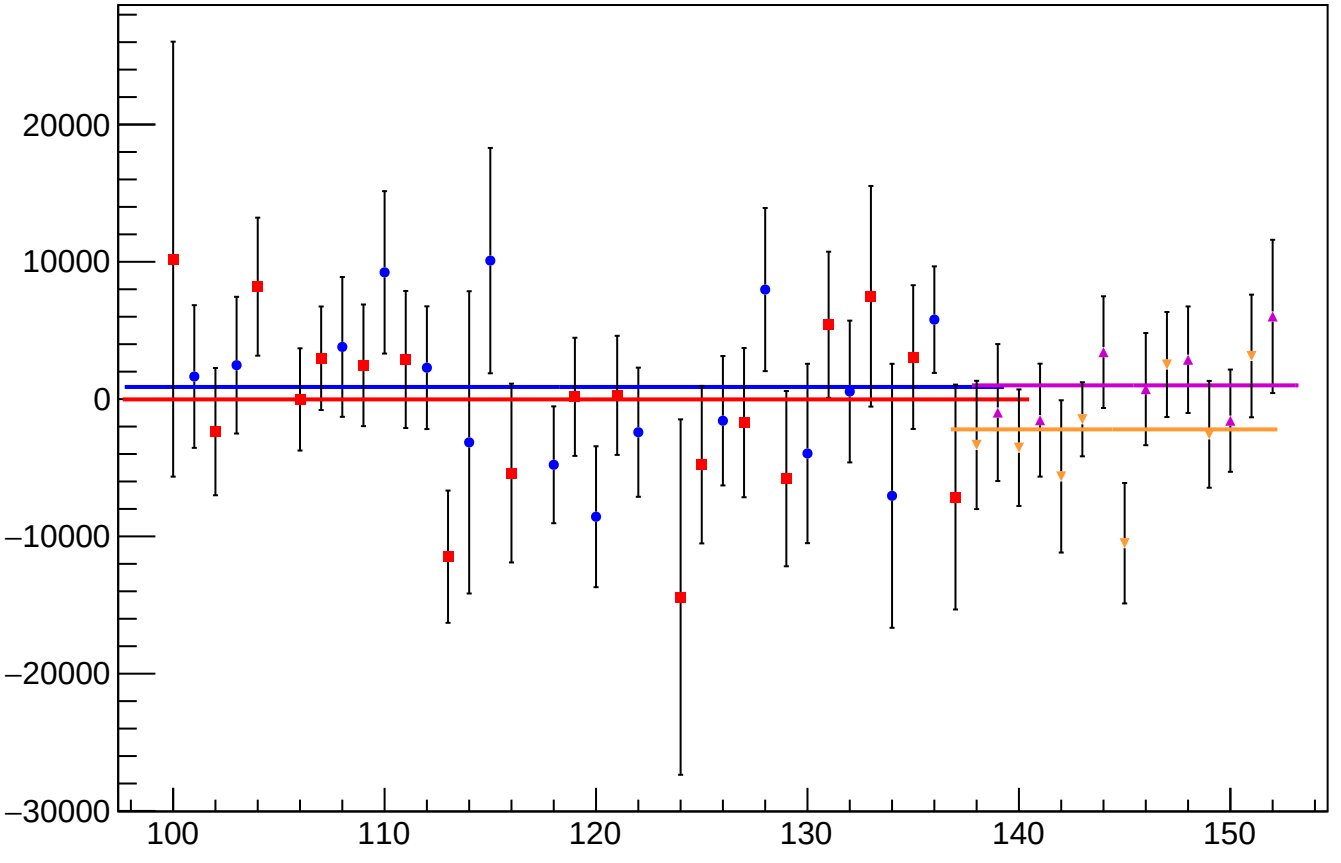
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1328.595+/-0.379 χ^2/NDF:18306.6/6

+ sign 1281.403+/-0.251 χ^2/NDF: 708617.1/23

All: 1296.298+/-0.179 χ^2/NDF: 950813.5/49

- sign 1311.648+/-0.254 χ^2/NDF: 235028.0/25



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2205.955+/-1403.445 χ^2/NDF:7.2/7

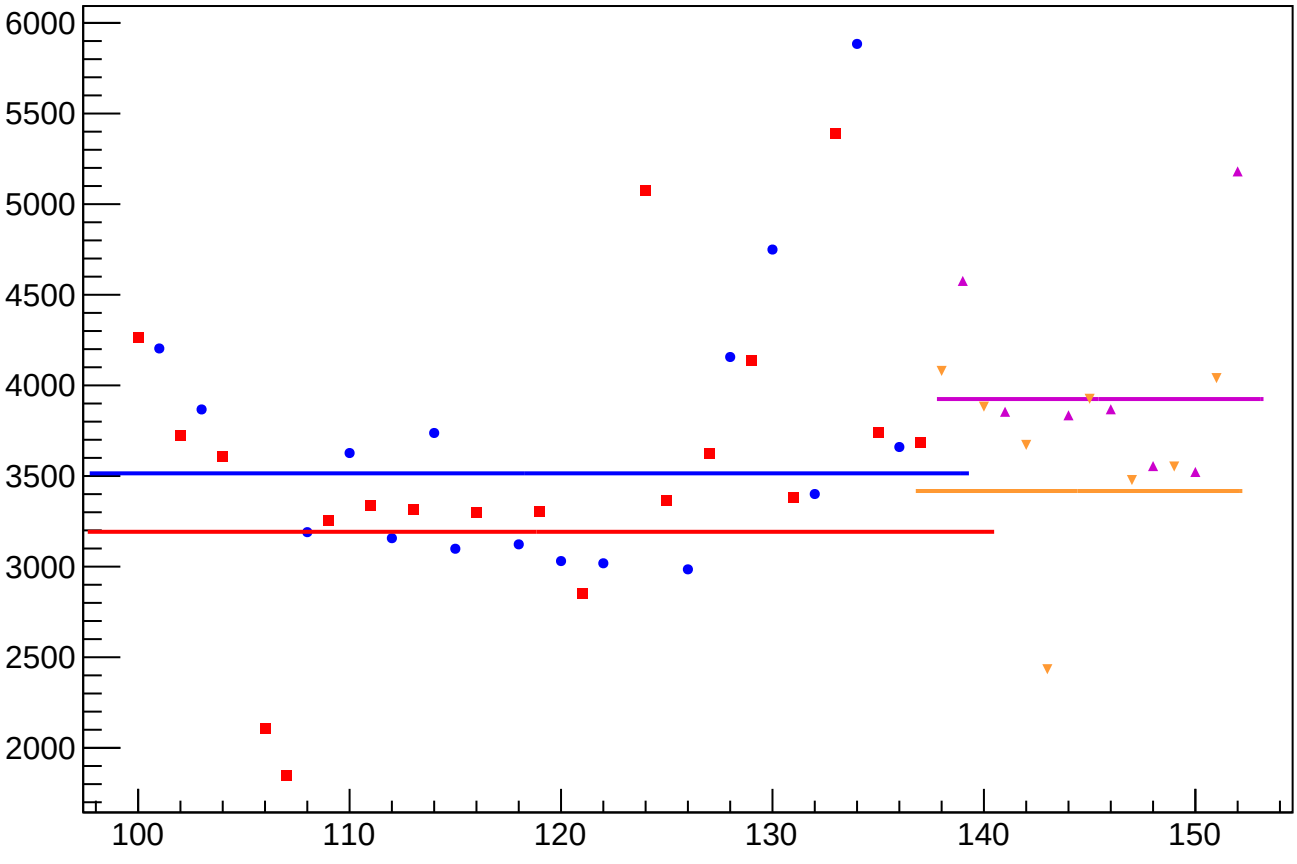
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1000.552+/-1600.800 χ^2/NDF:2.4/6

+ sign -574.967+/-964.377 χ^2/NDF: 23.8/23

All: -112.107+/-680.429 χ^2/NDF: 43.8/49

- sign 346.733+/-960.180 χ^2/NDF: 19.5/25



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3417.290+/-0.992 χ^2/NDF:402928.5/7

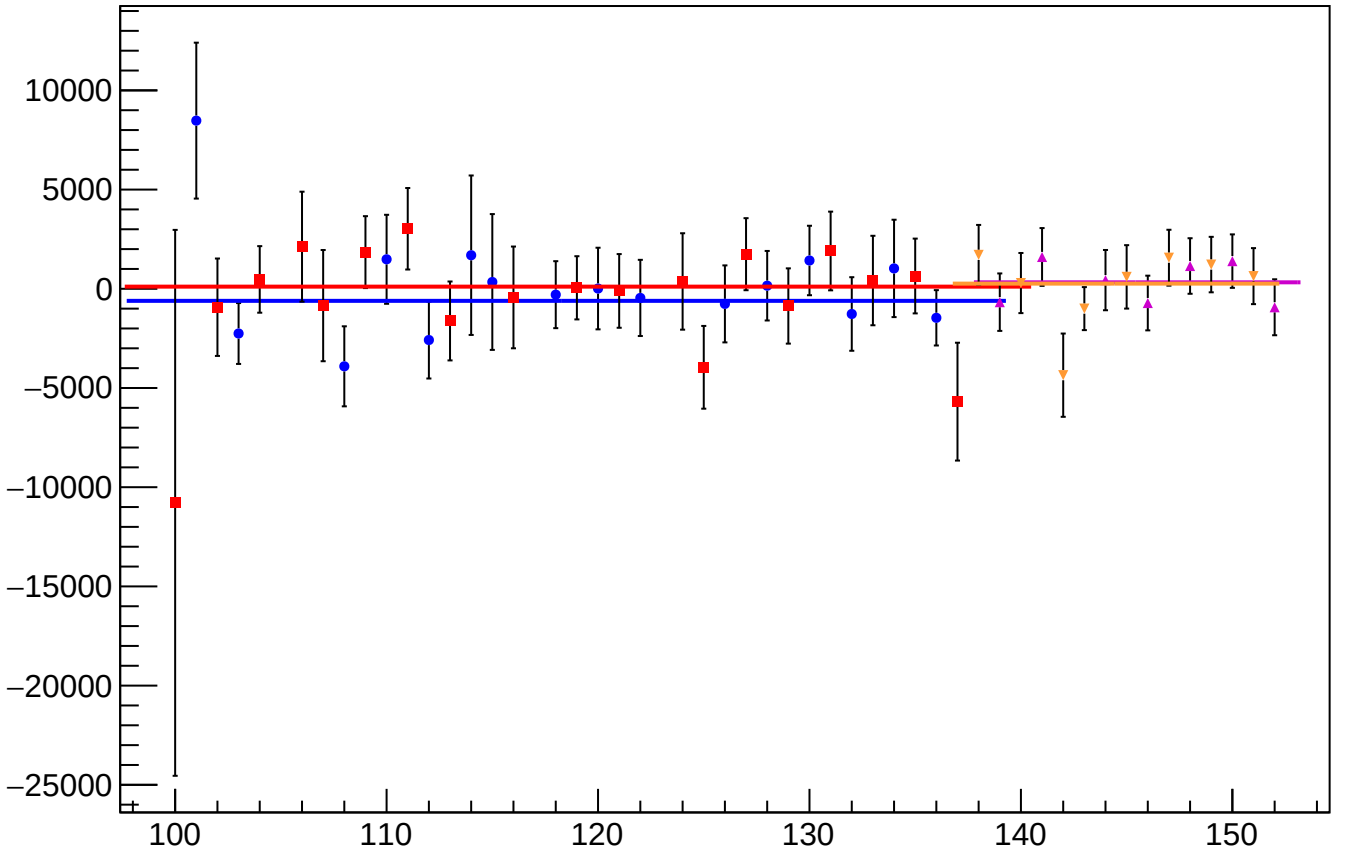
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3924.685+/-1.132 χ^2/NDF:178886.7/6

+ sign 3468.730+/-0.682 χ^2/NDF: 783097.4/23

All: 3462.203+/-0.481 χ^2/NDF: 2002752.8/49

- sign 3455.732+/-0.679 χ^2/NDF: 1219473.0/25



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.521+/-508.892 χ^2/NDF:8.6/7

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

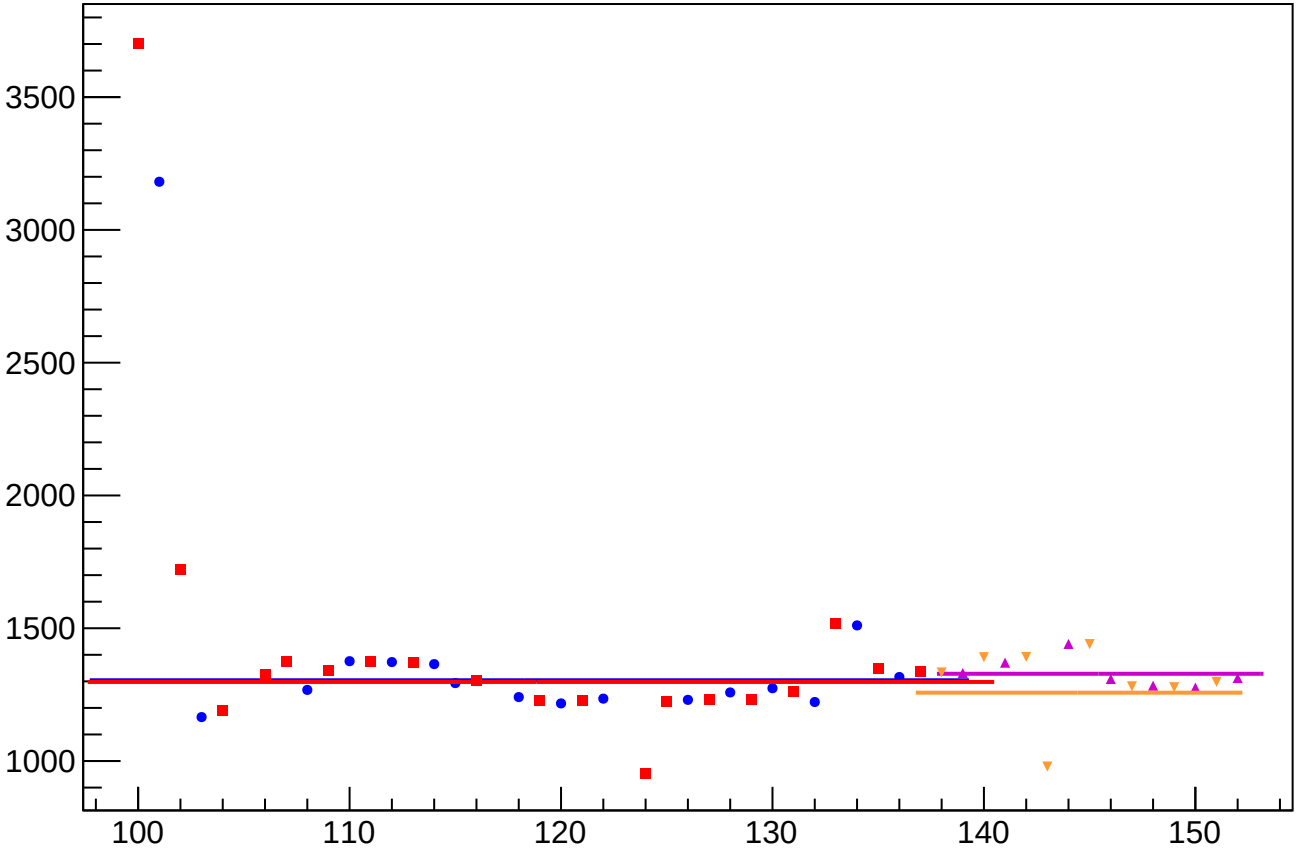
Left In: 326.168+/-536.661 χ^2/NDF:3.6/6

+ sign -186.388+/-354.526 χ^2/NDF: 24.2/23

All: 7.038+/-252.619 χ^2/NDF: 43.3/49

- sign 206.544+/-360.054 χ^2/NDF: 18.6/25

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: 1257.333+/-0.360 χ^2/NDF:189333.5/7

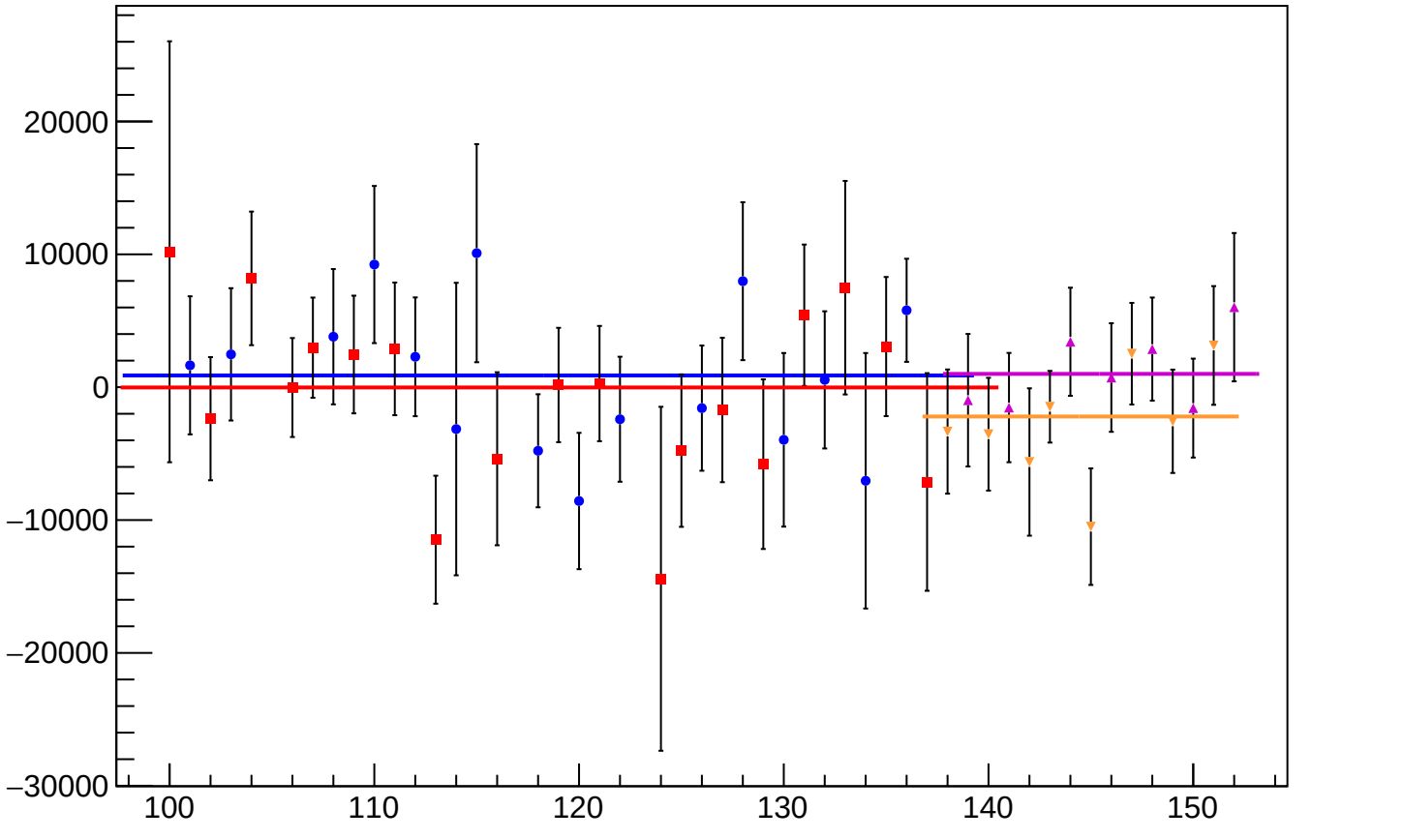
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1328.596+/-0.379 χ^2/NDF:18306.7/6

+ sign 1281.403+/-0.251 χ^2/NDF: 708617.1/23

All: 1296.298+/-0.179 χ^2/NDF: 950813.9/49

- sign 1311.649+/-0.254 χ^2/NDF: 235028.4/25



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2205.954+/-1403.447 χ^2/NDF:7.2/7

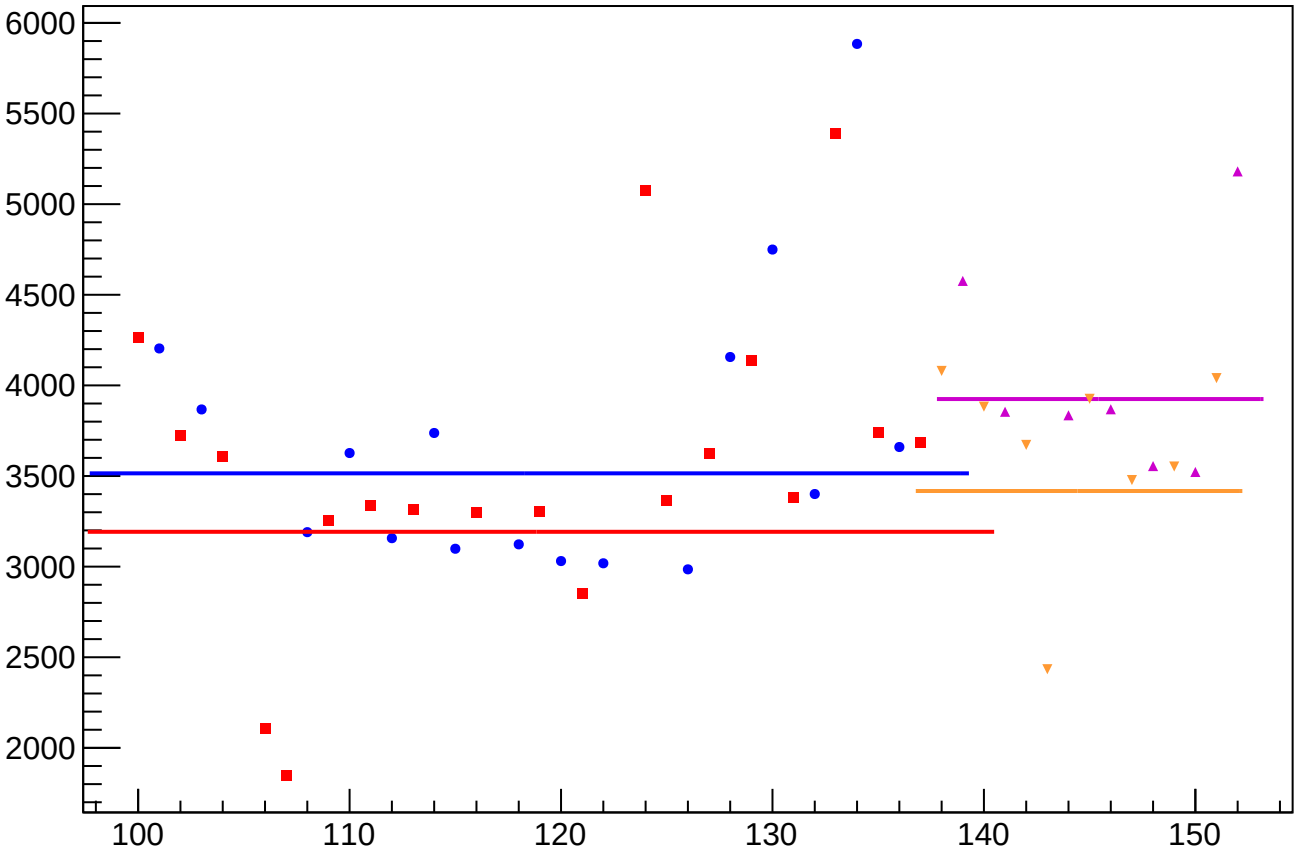
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1000.550+/-1600.802 χ^2/NDF:2.4/6

+ sign -574.966+/-964.376 χ^2/NDF: 23.8/23

All: -112.106+/-680.428 χ^2/NDF: 43.8/49

- sign 346.734+/-960.179 χ^2/NDF: 19.5/25



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3417.295+/-0.992 χ^2/NDF:402928.8/7

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

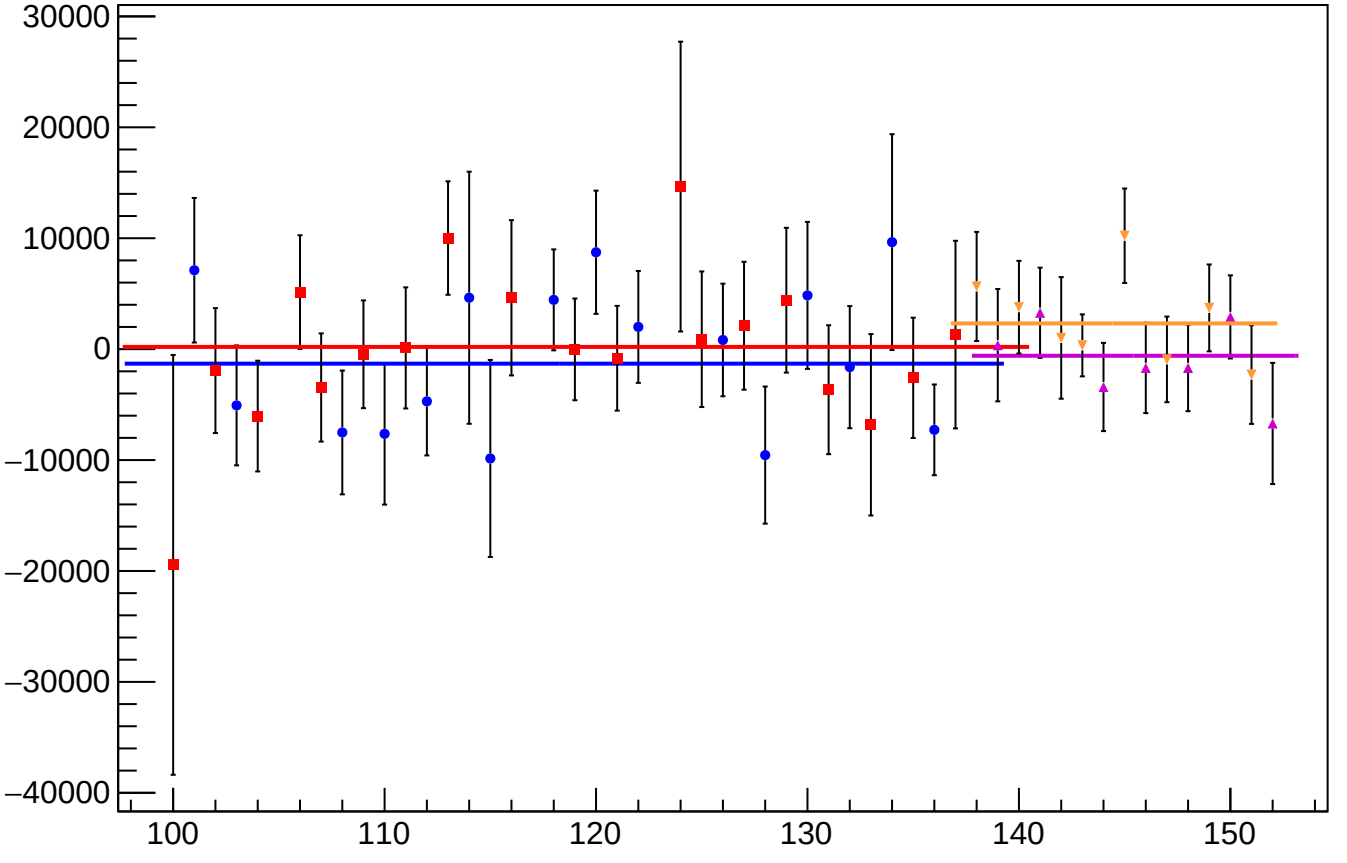
Left In: 3924.690+/-1.132 χ^2/NDF:178887.3/6

+ sign 3468.727+/-0.682 χ^2/NDF: 783100.4/23

All: 3462.199+/-0.481 χ^2/NDF: 2002768.2/49

- sign 3455.728+/-0.679 χ^2/NDF: 1219485.2/25

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2321.366+/-1417.221 χ^2/NDF:6.5/7

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

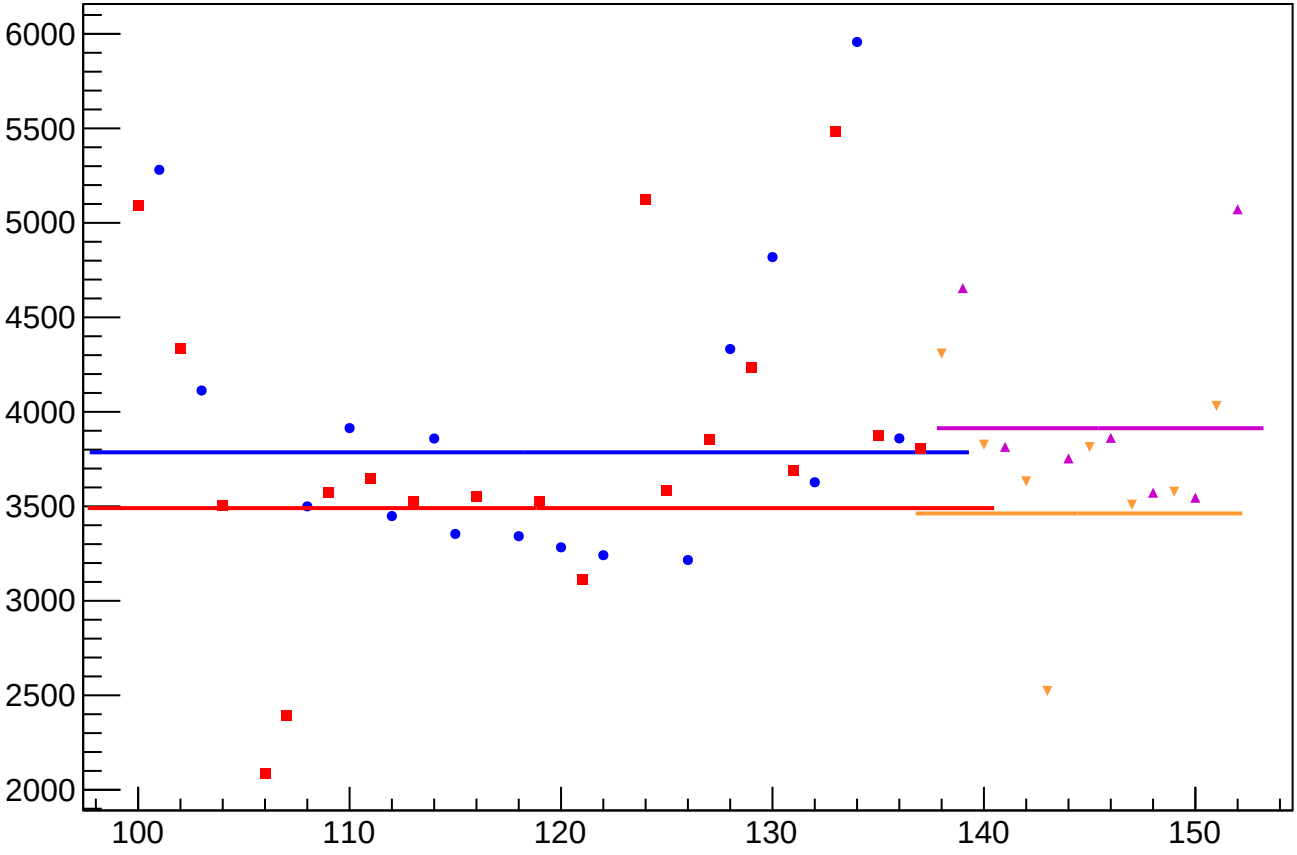
Left In: -596.327+/-1594.326 χ^2/NDF:3.7/6

+ sign 524.364+/-1007.180 χ^2/NDF: 27.3/23

All: 203.797+/-718.068 χ^2/NDF: 43.0/49

- sign -127.586+/-1024.032 χ^2/NDF: 15.5/25

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3462.341+/-1.002 χ^2/NDF:350486.3/7

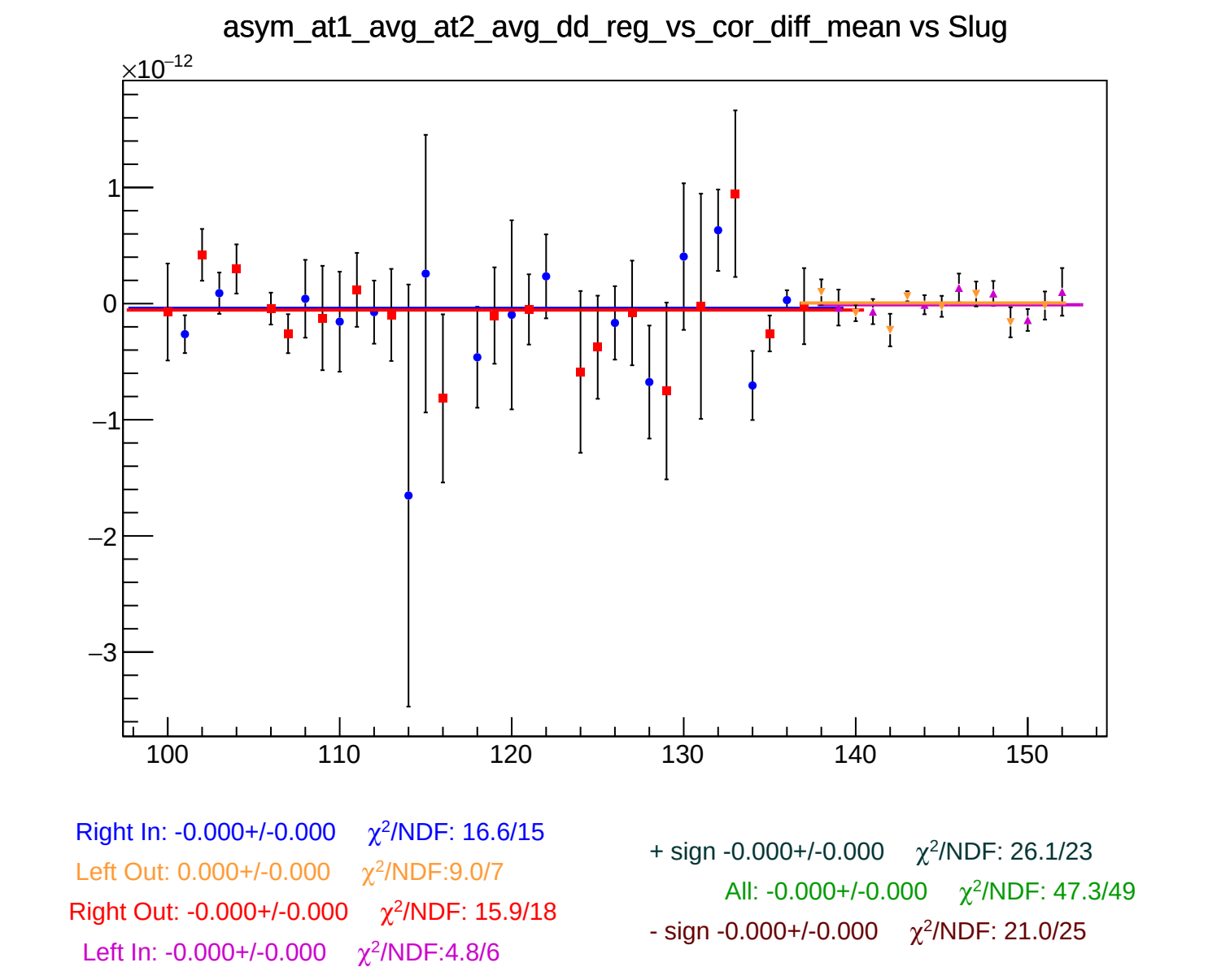
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

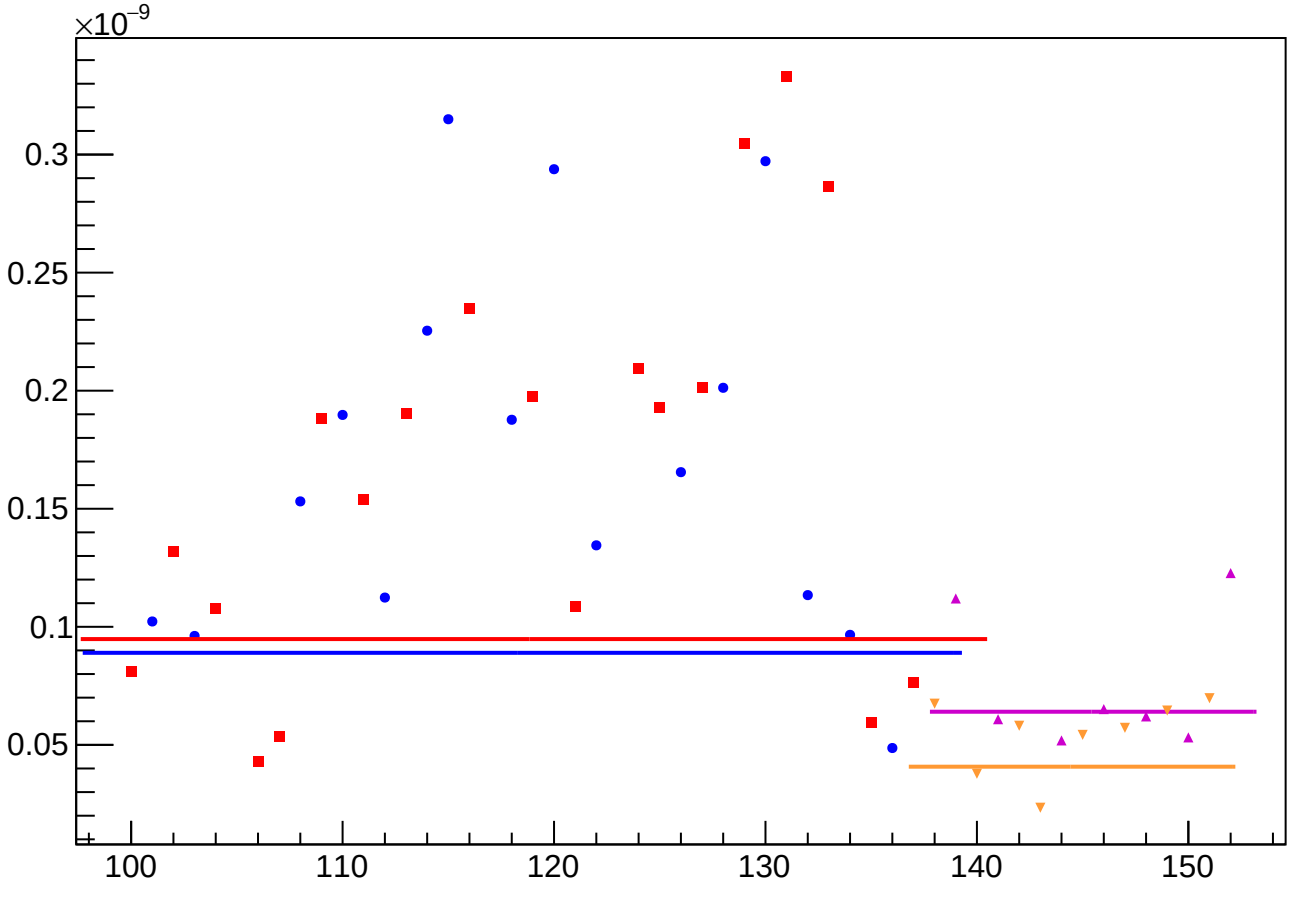
Left In: 3913.340+/-1.127 χ^2/NDF:172116.9/6

+ sign 3622.424+/-0.712 χ^2/NDF: 785035.5/23

All: 3642.144+/-0.506 χ^2/NDF: 1628944.9/49

- sign 3662.202+/-0.718 χ^2/NDF: 842362.8/25


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:9.0/7
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:4.8/6
+ sign -0.000+/-0.000 χ²/NDF: 26.1/23
All: -0.000+/-0.000 χ²/NDF: 47.3/49
- sign -0.000+/-0.000 χ²/NDF: 21.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:740129.3/7

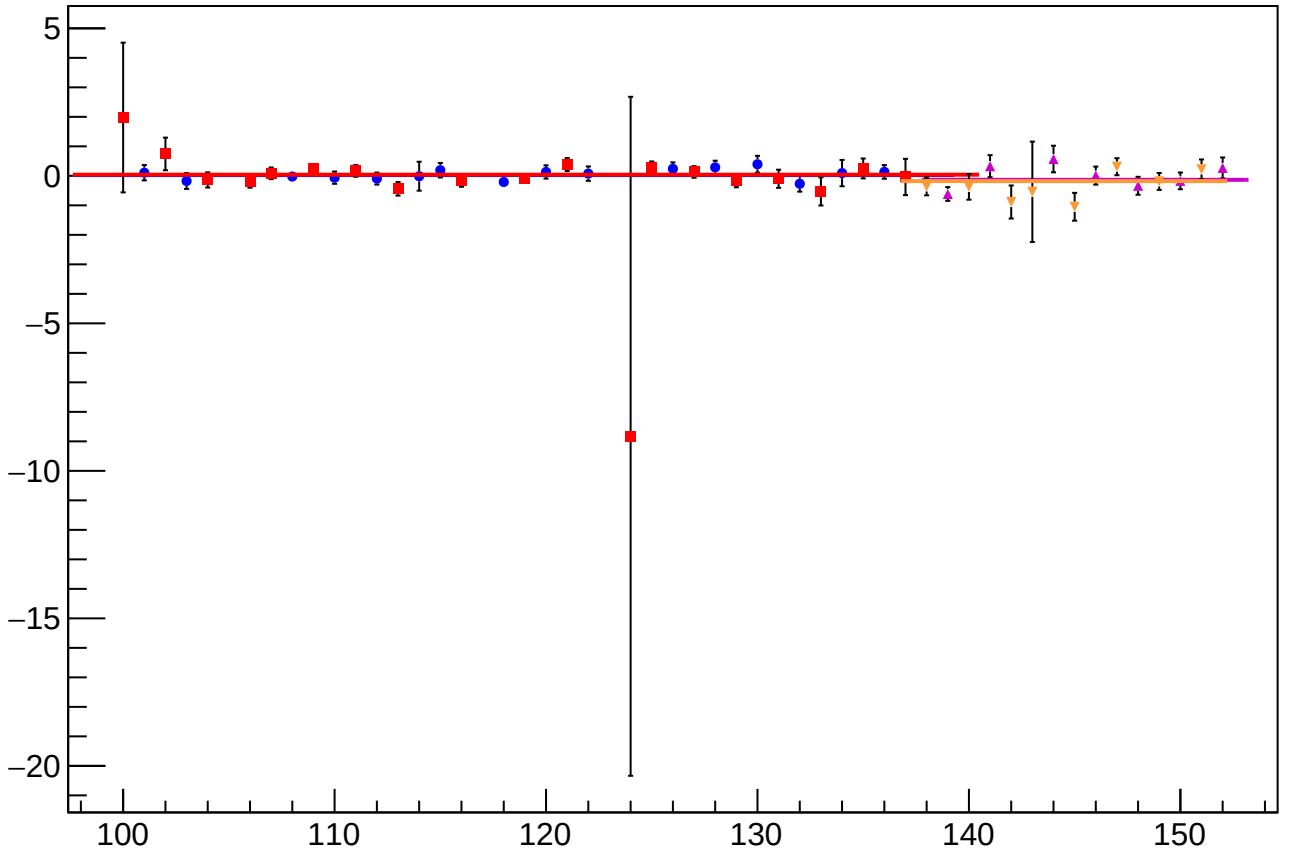
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:428699.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3277101.2/23

All: 0.000+/-0.000 χ^2/NDF: 6325285.1/49

- sign 0.000+/-0.000 χ^2/NDF: 2486384.4/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

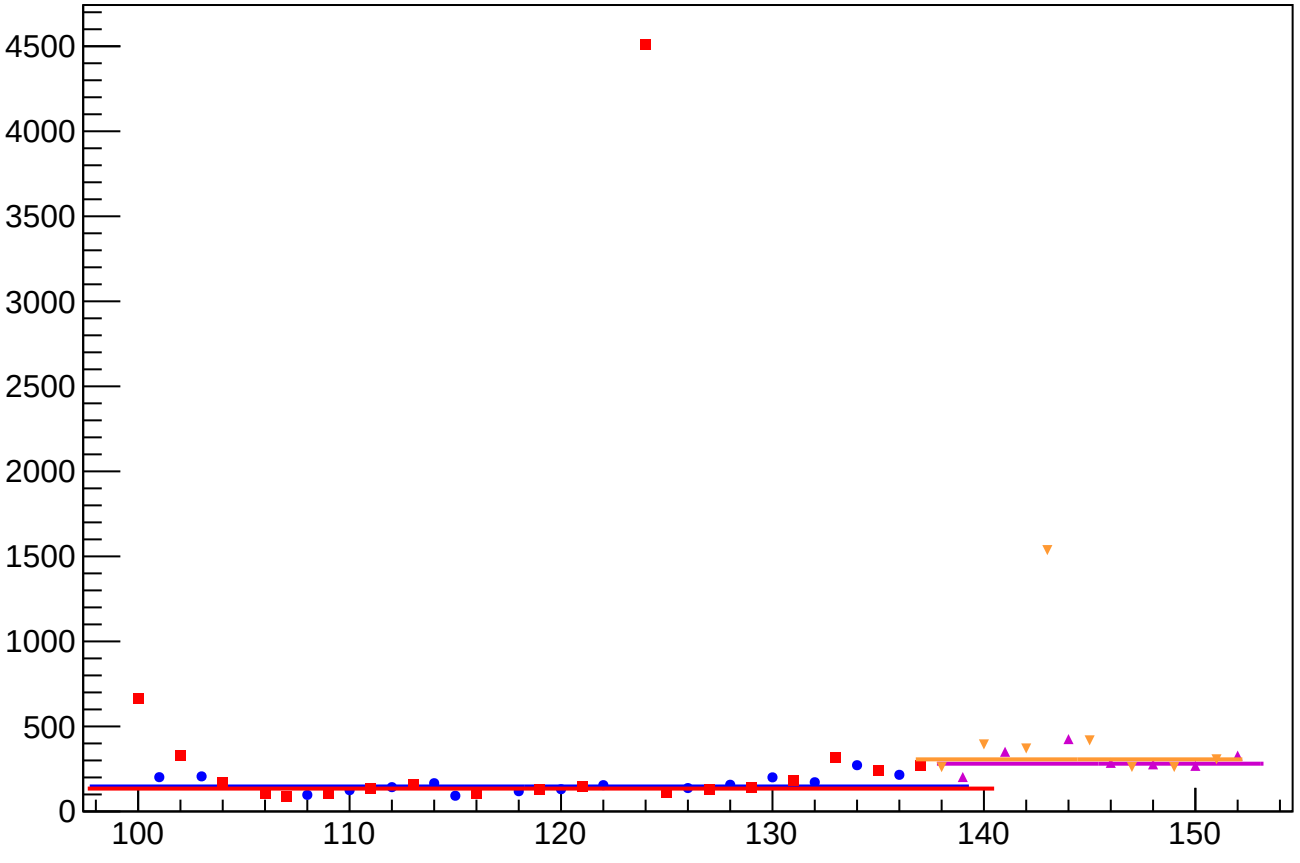
Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: 0.002+/-0.036 χ^2/NDF: 53.4/49

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25

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: 306.407+/-0.093 χ^2/NDF:1411618.5/7

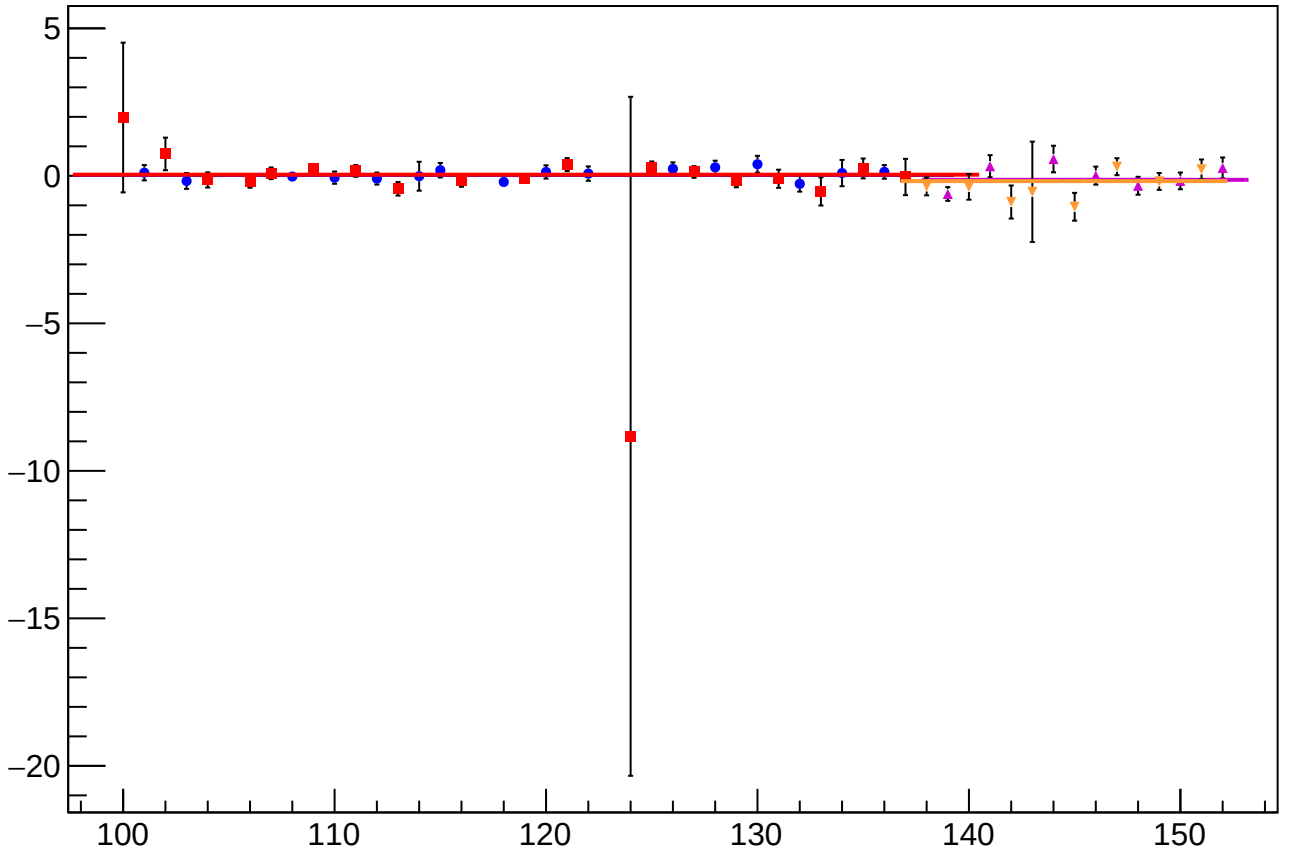
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

+ sign 172.462+/-0.037 χ^2/NDF: 4867386.5/23

All: 166.188+/-0.026 χ^2/NDF: 9622179.4/49

- sign 160.654+/-0.035 χ^2/NDF: 4701774.3/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

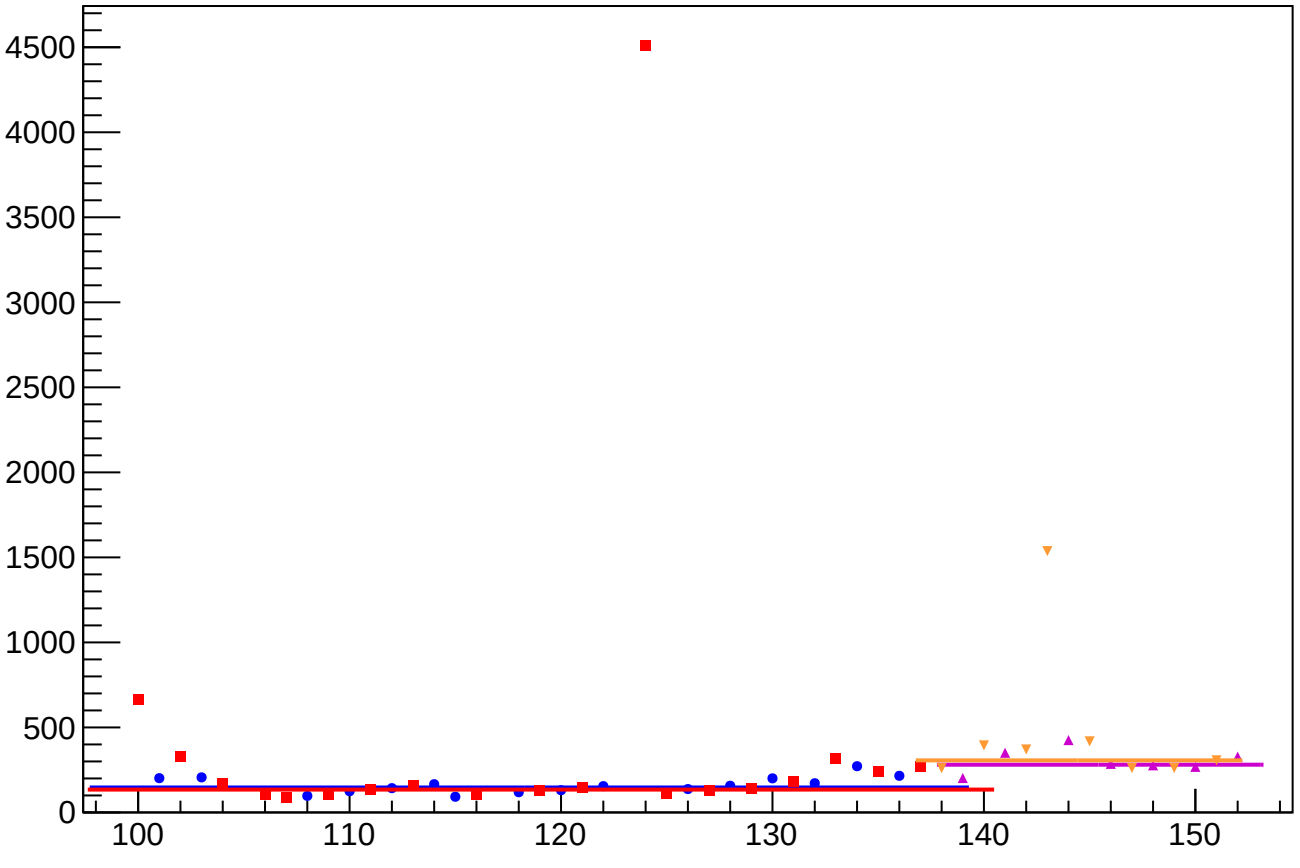
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: 0.002+/-0.036 χ^2/NDF: 53.4/49

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 306.407+/-0.093 χ^2/NDF:1411618.5/7

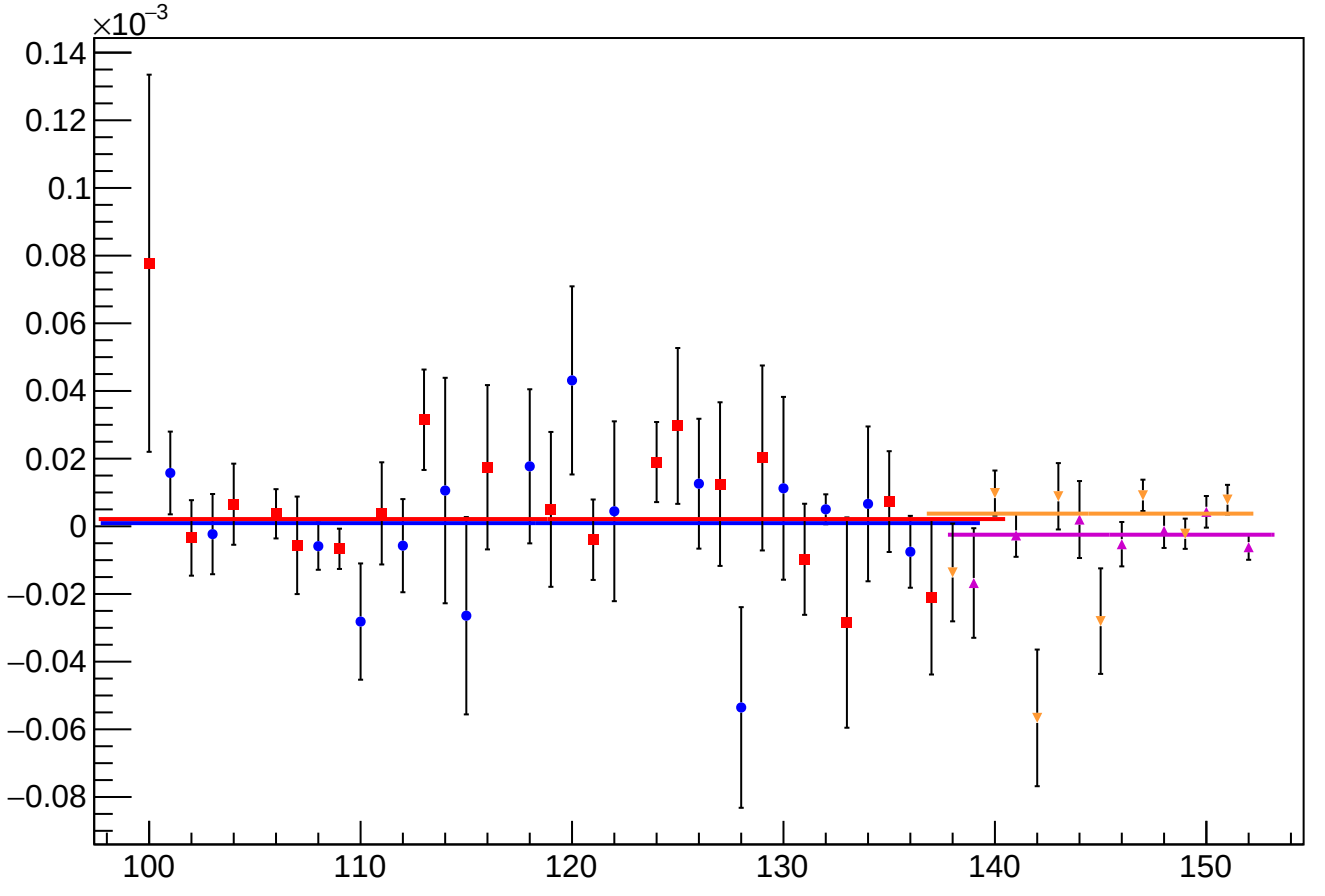
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

+ sign 172.462+/-0.037 χ^2/NDF: 4867386.5/23

All: 166.188+/-0.026 χ^2/NDF: 9622179.4/49

- sign 160.654+/-0.035 χ^2/NDF: 4701774.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/7

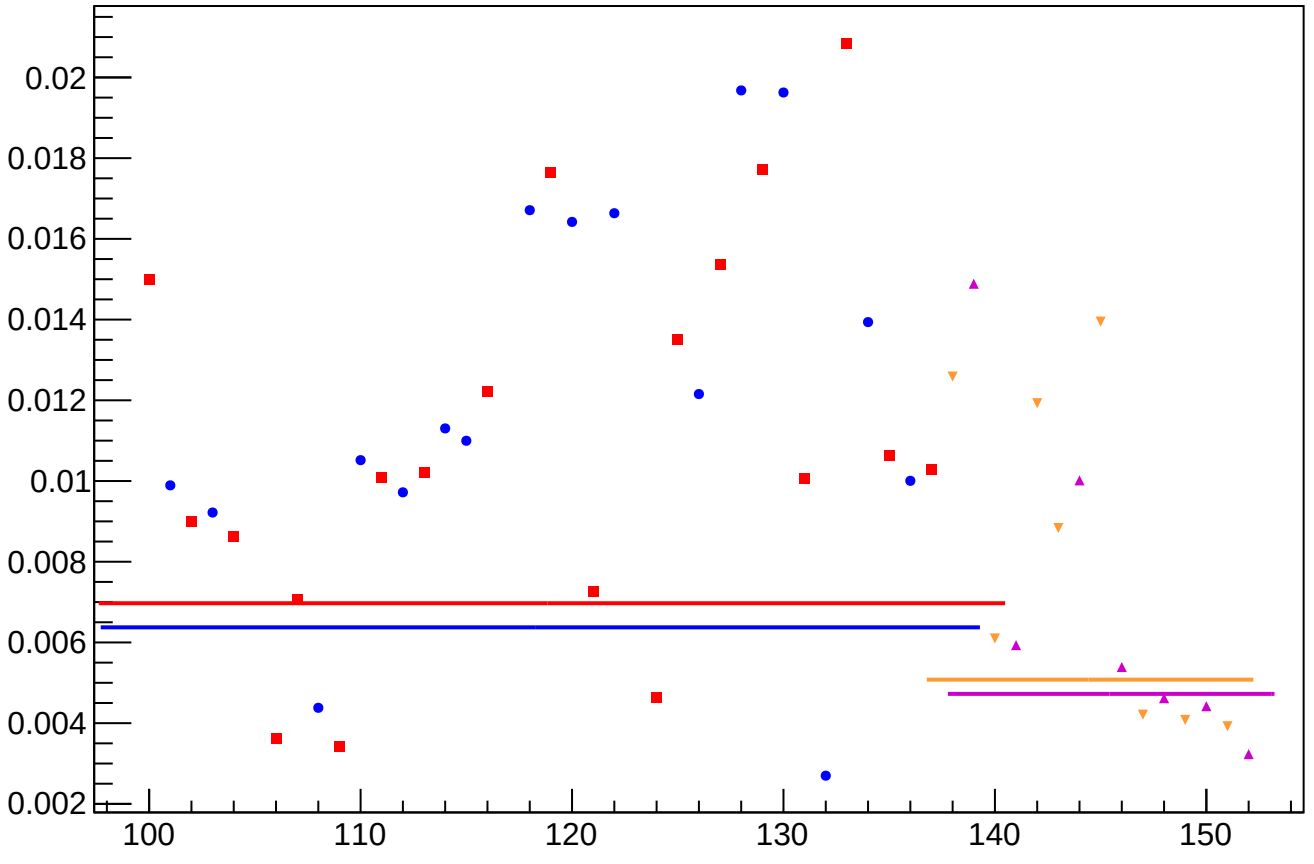
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/23

All: 0.000+/-0.000 χ^2/NDF: 59.0/49

- sign -0.000+/-0.000 χ^2/NDF: 21.8/25



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2067666.8/7

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

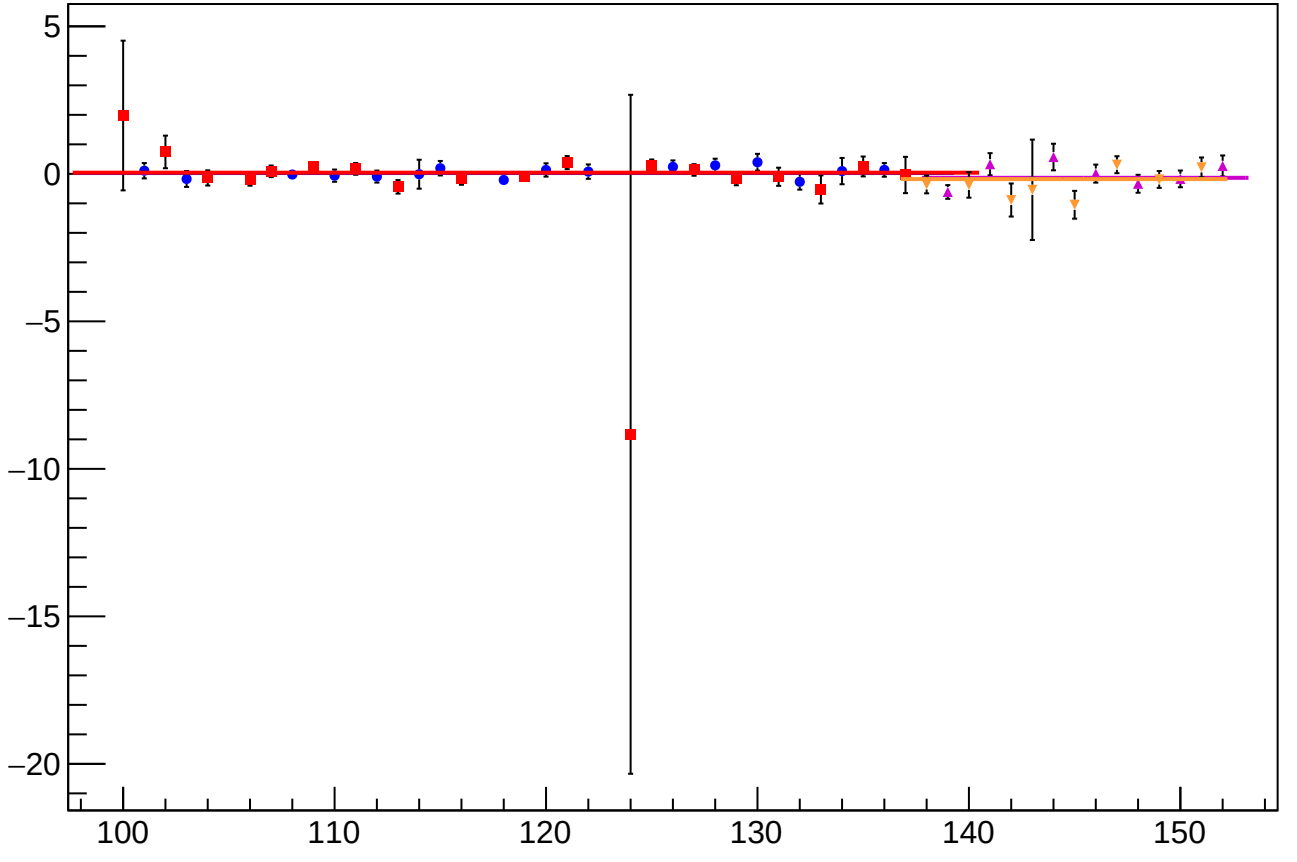
Left In: 0.005+/-0.000 χ^2/NDF:1642592.5/6

+ sign 0.006+/-0.000 χ^2/NDF: 6951953.1/23

All: 0.006+/-0.000 χ^2/NDF: 12742951.7/49

- sign 0.005+/-0.000 χ^2/NDF: 5788798.5/25

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

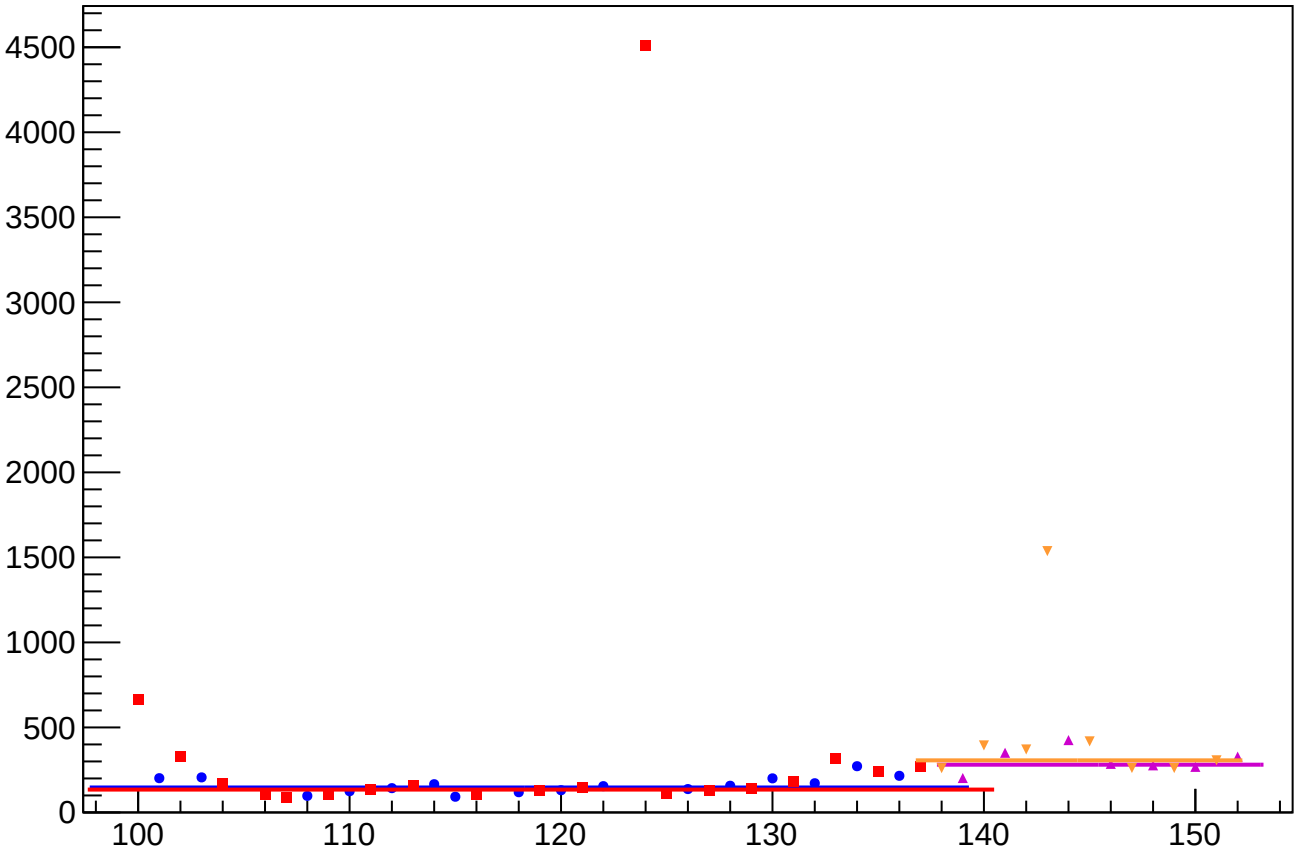
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: 0.002+/-0.036 χ^2/NDF: 53.4/49

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 306.410+/-0.093 χ^2/NDF:1411617.0/7

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

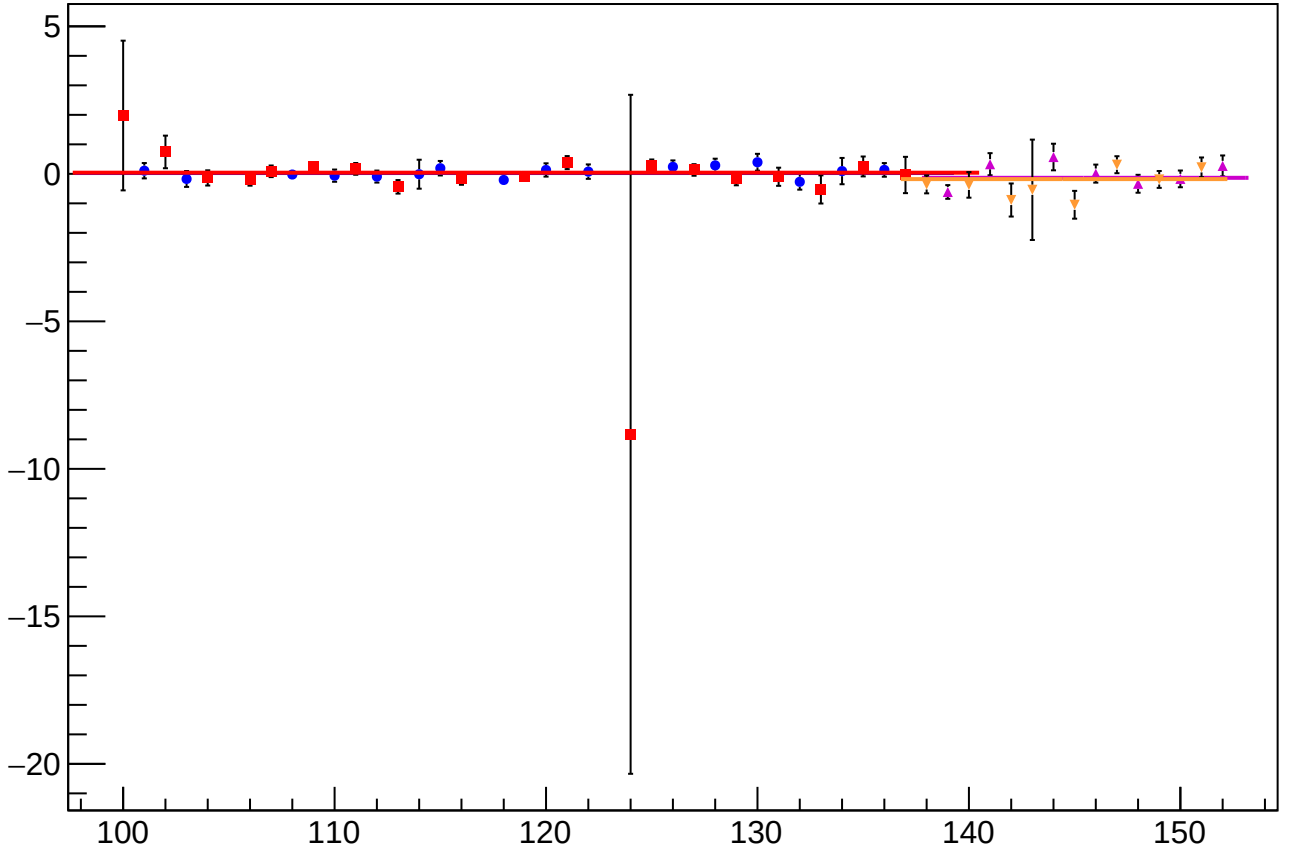
Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

+ sign 172.462+/-0.037 χ^2/NDF: 4867385.2/23

All: 166.189+/-0.026 χ^2/NDF: 9622098.8/49

- sign 160.656+/-0.035 χ^2/NDF: 4701709.0/25

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

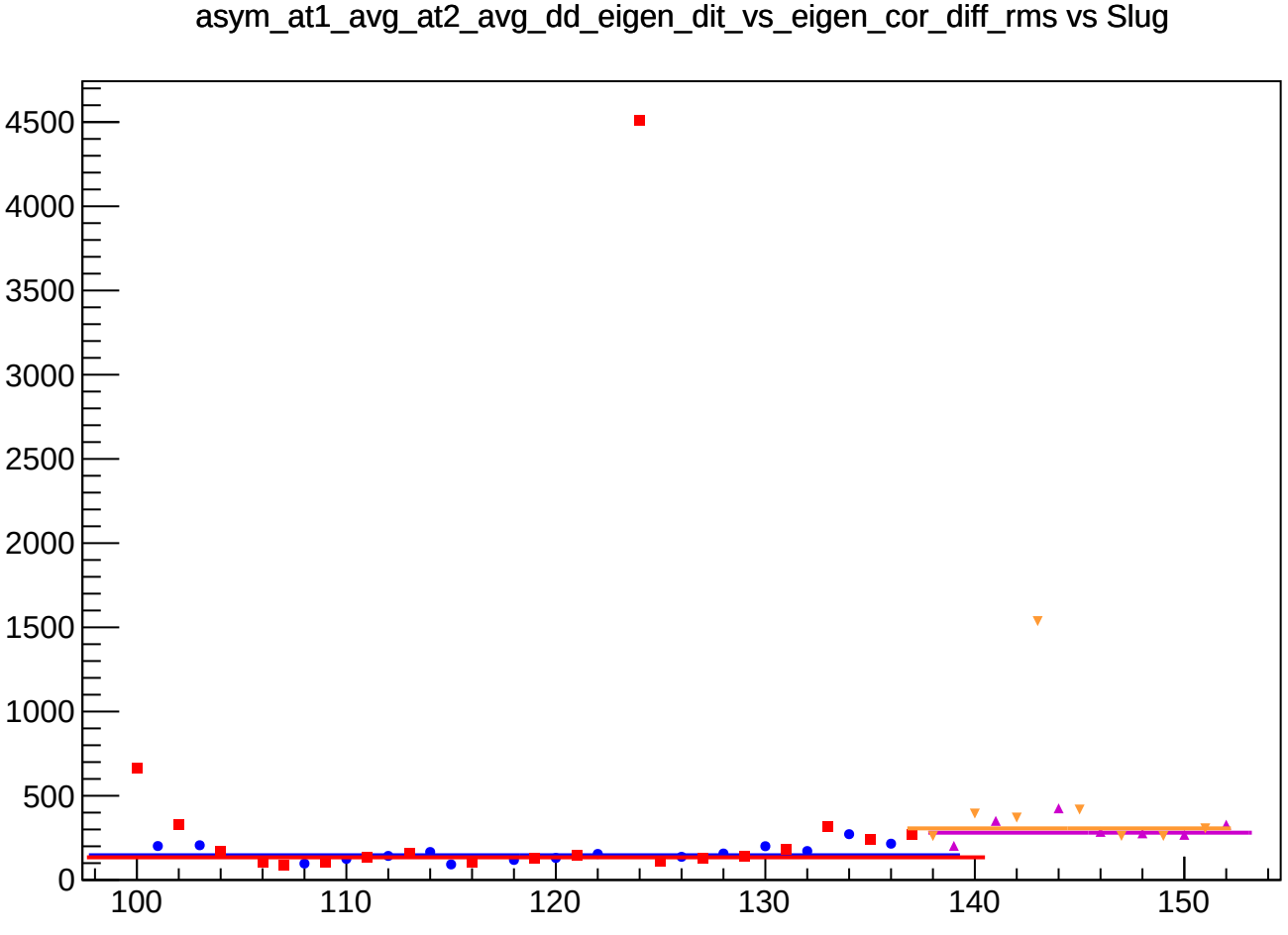
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: 0.002+/-0.036 χ^2/NDF: 53.4/49

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 306.410+/-0.093 χ^2/NDF:1411617.0/7

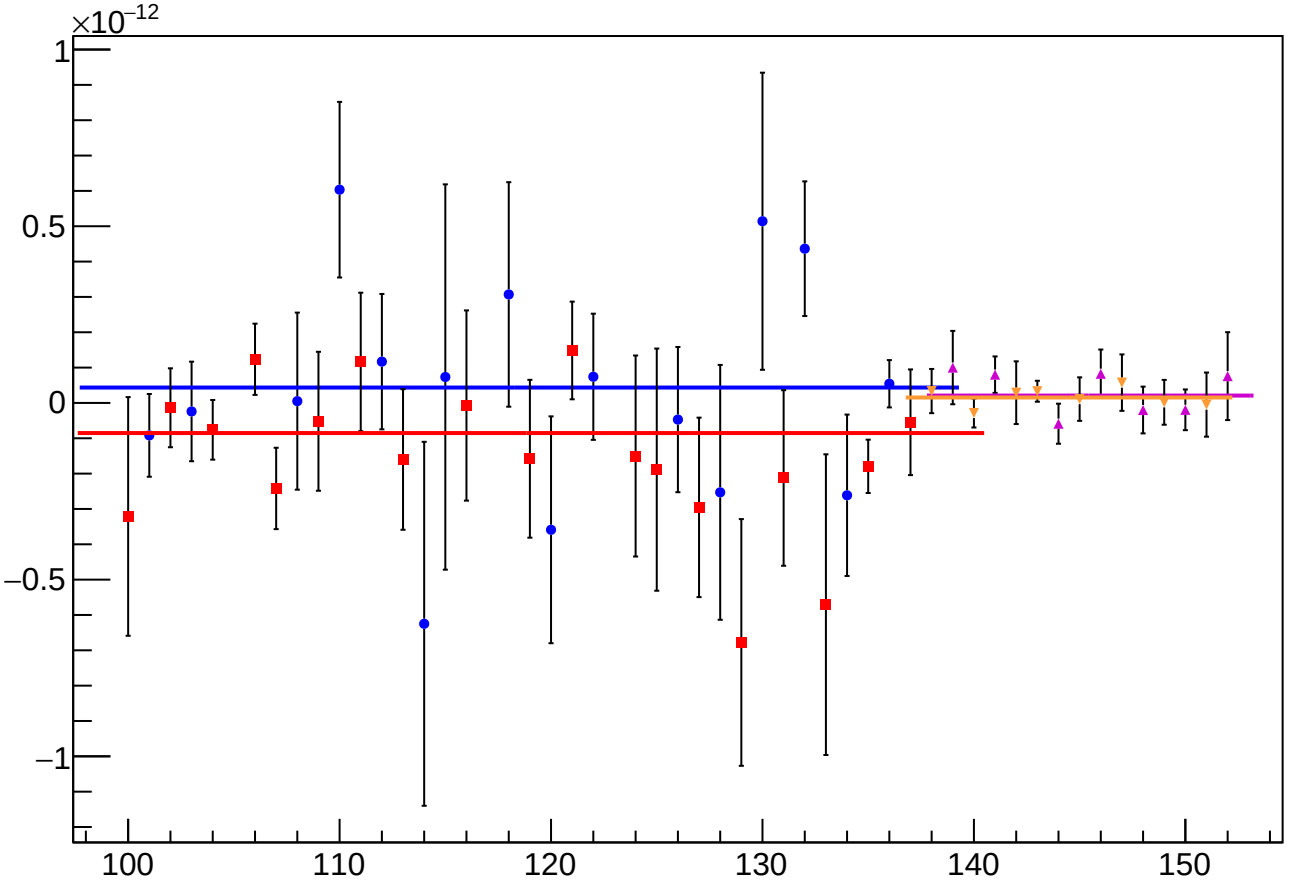
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

+ sign 172.462+/-0.037 χ^2/NDF: 4867385.2/23

All: 166.189+/-0.026 χ^2/NDF: 9622098.8/49

- sign 160.656+/-0.035 χ^2/NDF: 4701709.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/7

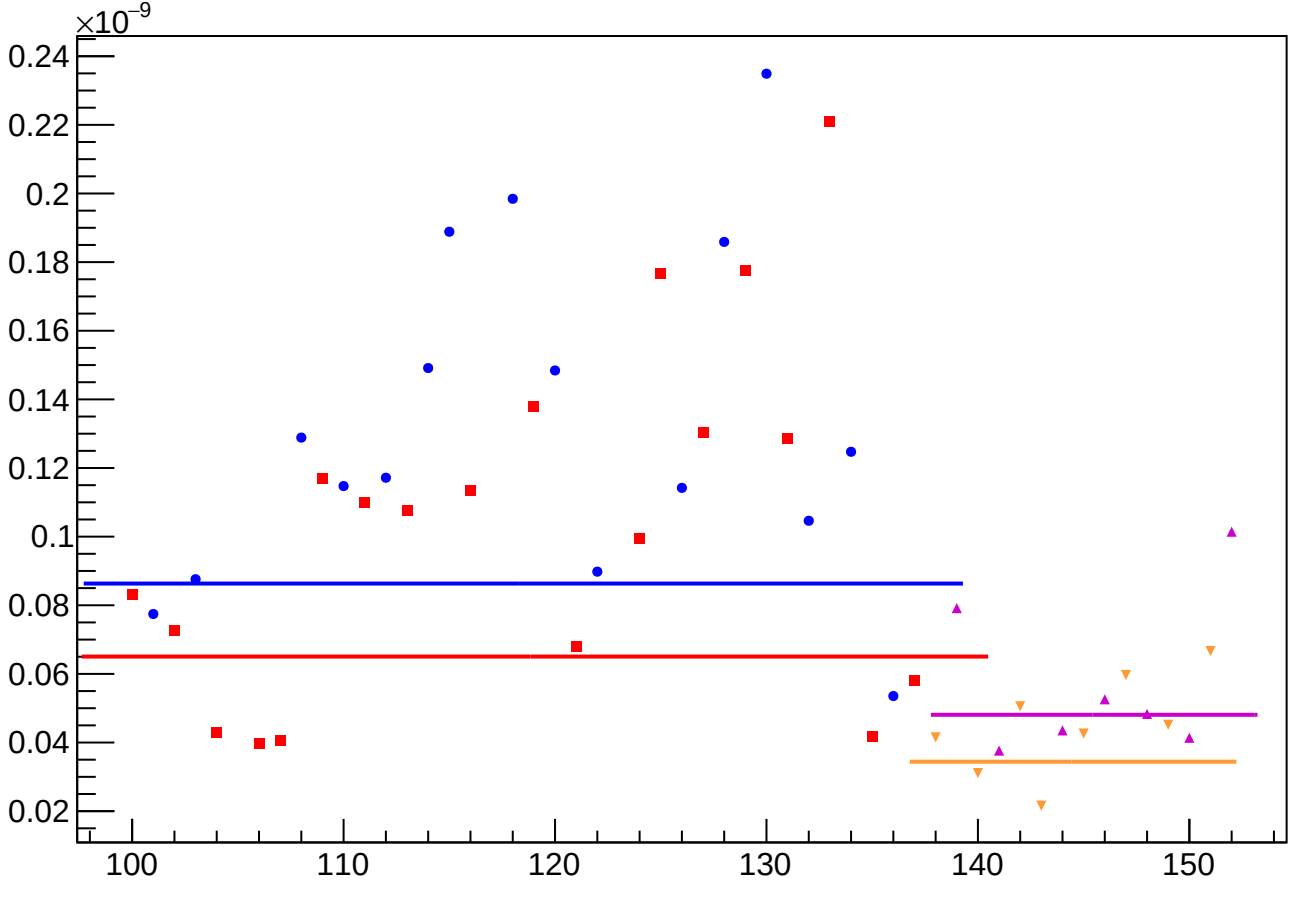
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/23

All: 0.000+/-0.000 χ^2/NDF: 53.4/49

- sign -0.000+/-0.000 χ^2/NDF: 30.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1026181.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

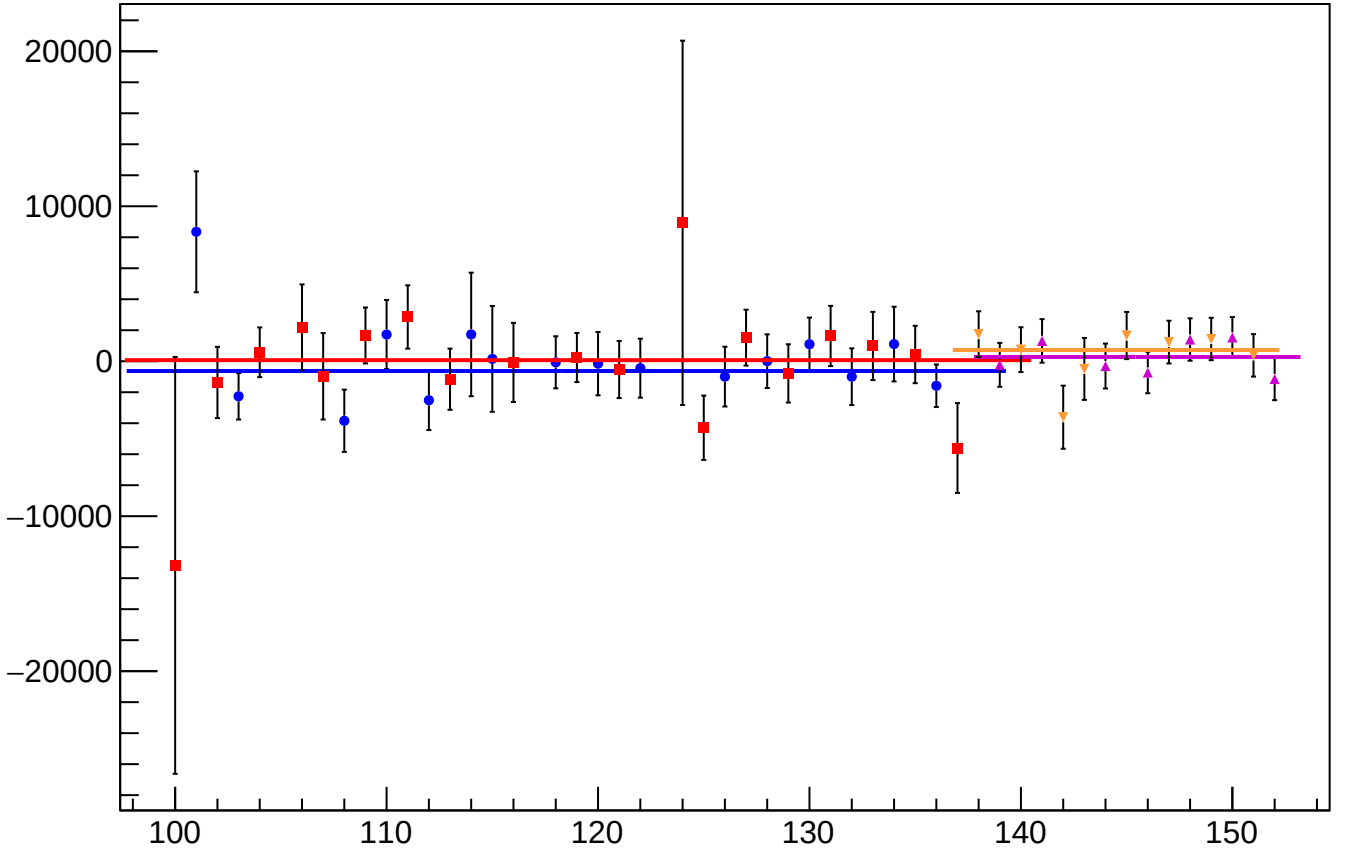
Left In: 0.000+/-0.000 χ^2/NDF:678131.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 5075363.8/23

All: 0.000+/-0.000 χ^2/NDF: 8602072.4/49

- sign 0.000+/-0.000 χ^2/NDF: 3156692.4/25

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.837+/-537.862 χ^2/NDF:6.2/7

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

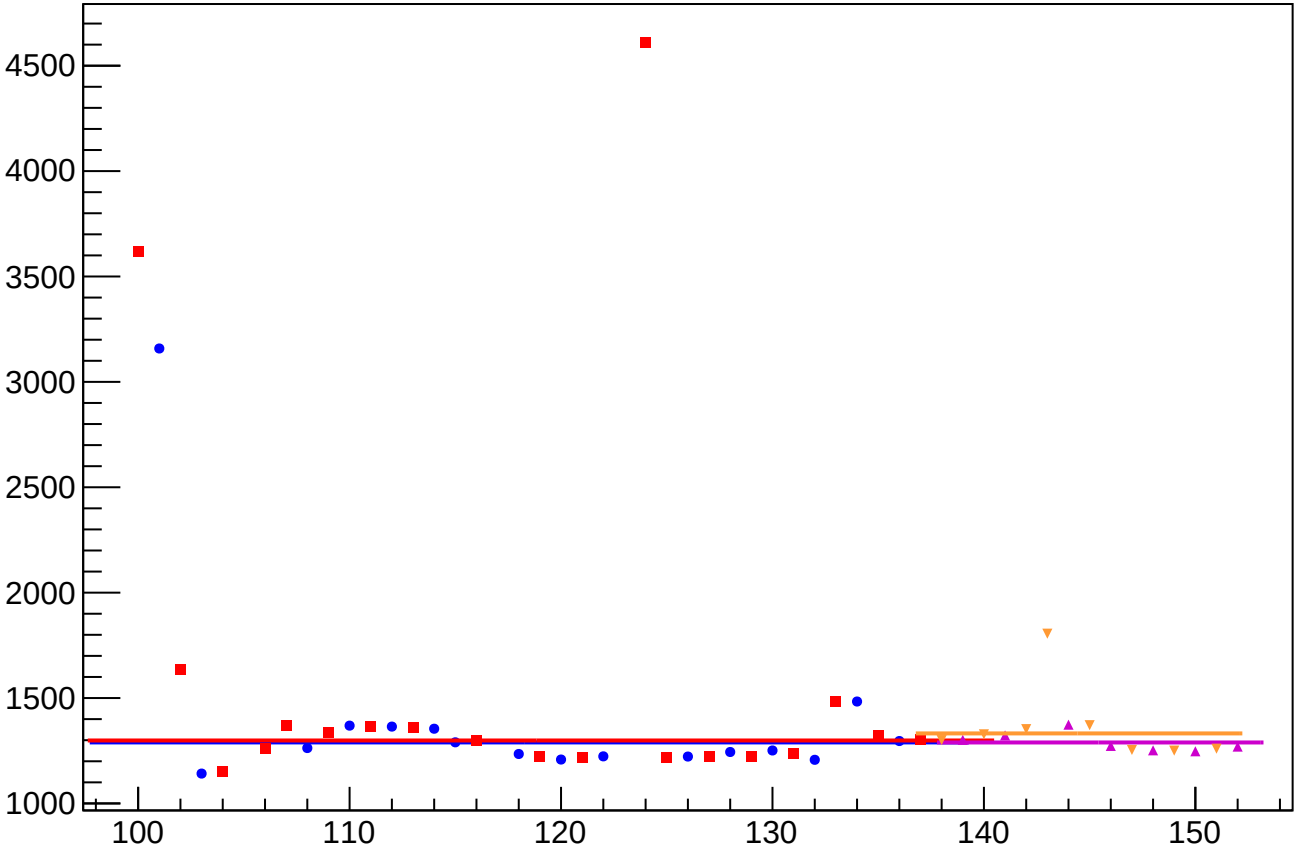
Left In: 274.938+/-520.586 χ^2/NDF:4.1/6

+ sign -18.389+/-361.682 χ^2/NDF: 23.6/23

All: 74.544+/-253.693 χ^2/NDF: 43.8/49

- sign 164.549+/-355.938 χ^2/NDF: 20.0/25

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

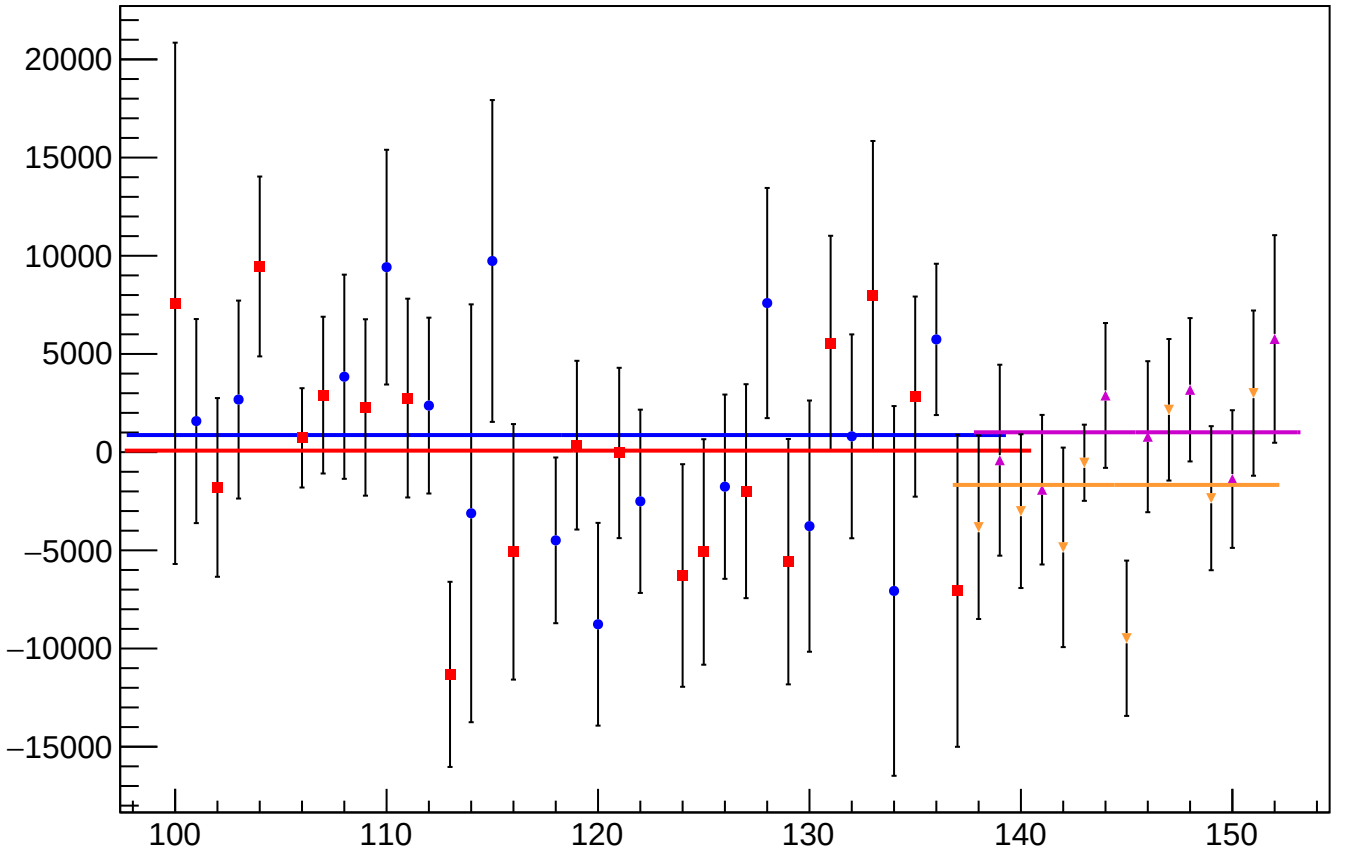
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1308.784+/-0.256 χ^2/NDF: 655339.9/23

All: 1301.395+/-0.179 χ^2/NDF: 989016.6/49

- sign 1294.258+/-0.251 χ^2/NDF: 332035.7/25



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1668.580+/-1206.139 χ^2/NDF:7.4/7

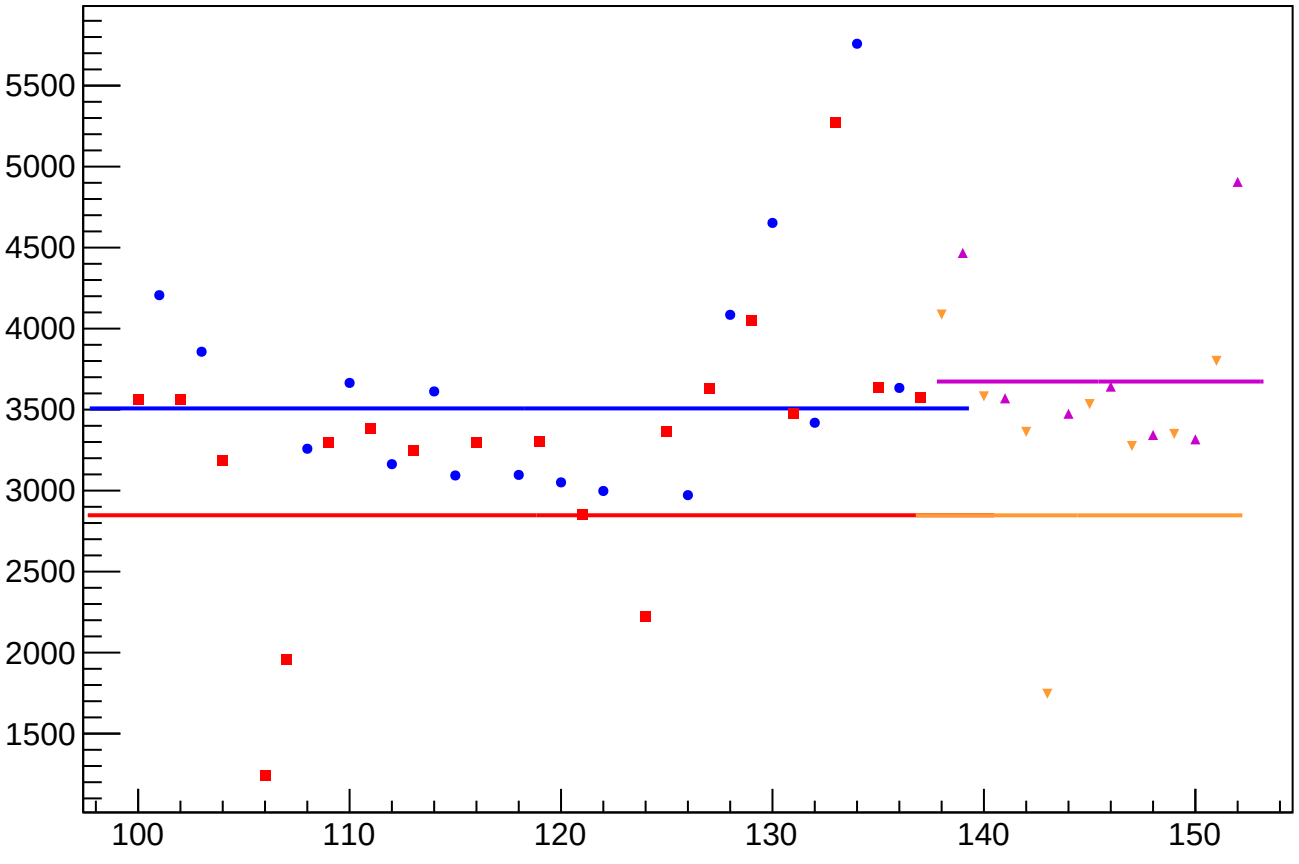
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1011.118+/-1499.665 χ^2/NDF:2.6/6

+ sign -518.368+/-892.021 χ^2/NDF: 23.4/23

All: -55.441+/-631.012 χ^2/NDF: 45.1/49

- sign 408.244+/-892.752 χ^2/NDF: 21.2/25



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2847.311+/-0.853 χ^2/NDF:1105175.2/7

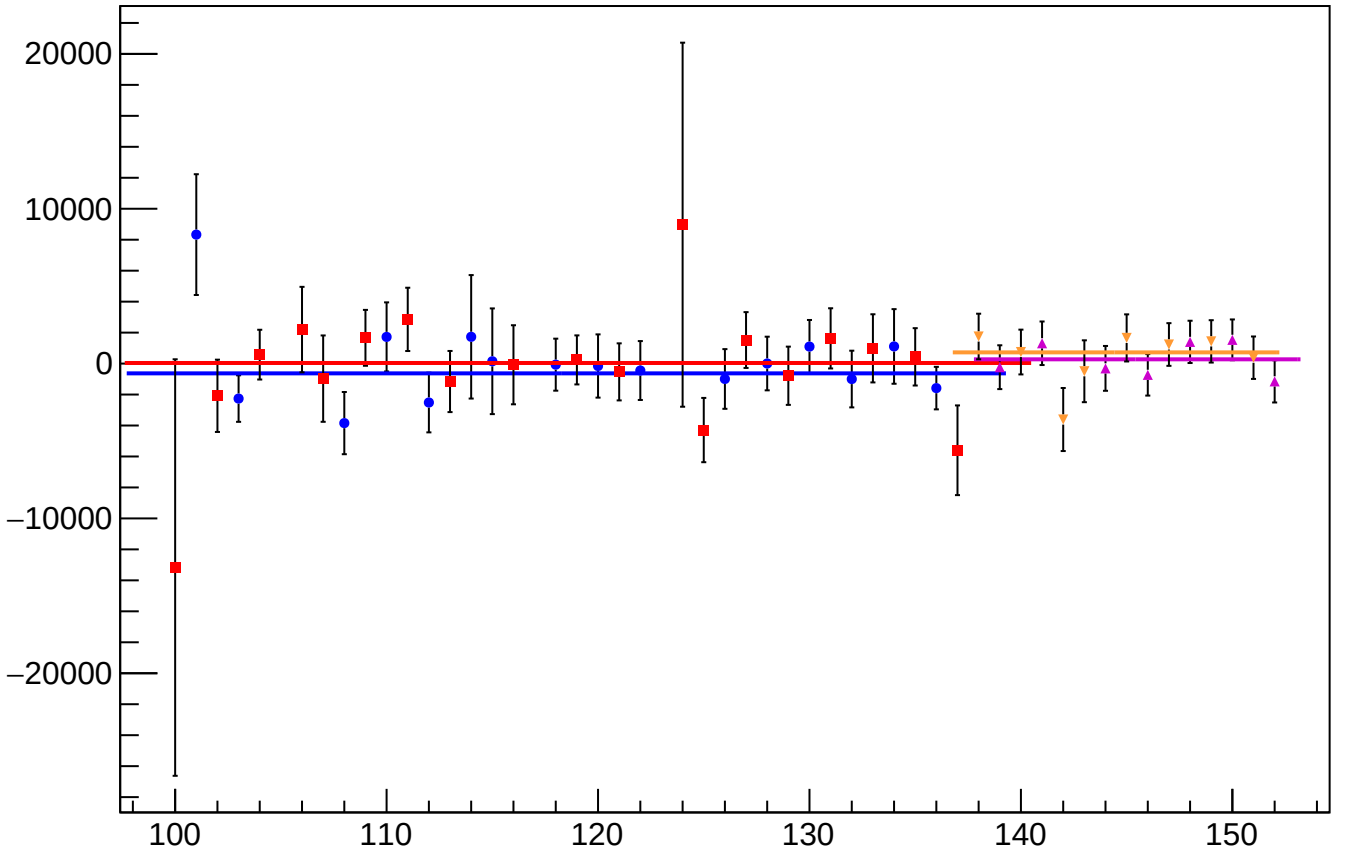
Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3673.333+/-1.060 χ^2/NDF:206565.8/6

+ sign 3146.356+/-0.631 χ^2/NDF: 1730531.0/23

All: 3143.368+/-0.446 χ^2/NDF: 3827761.8/49

- sign 3140.376+/-0.631 χ^2/NDF: 2097185.8/25



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

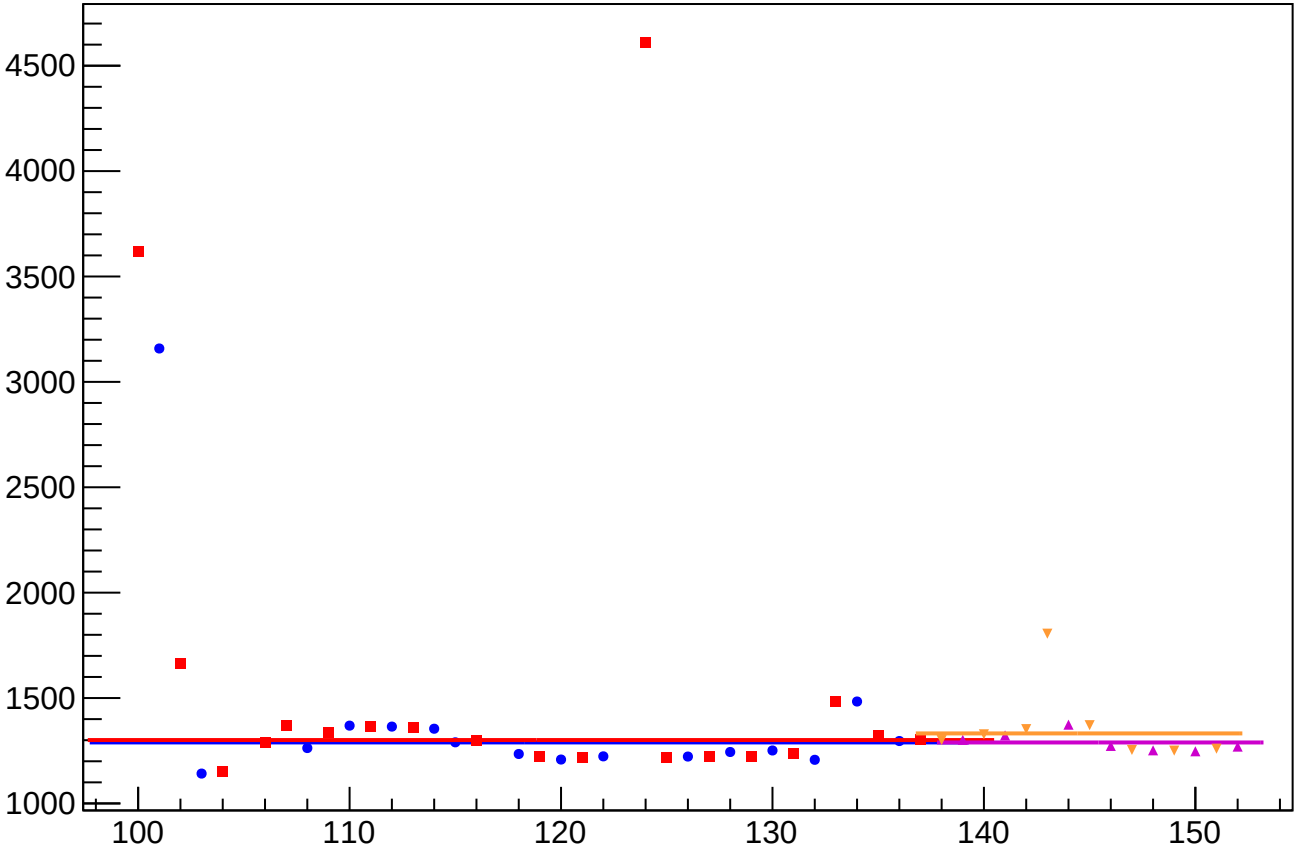
Left In: 274.899+/-520.586 χ^2/NDF:4.1/6

+ sign -18.615+/-361.682 χ^2/NDF: 23.6/23

All: 66.584+/-253.738 χ^2/NDF: 44.2/49

- sign 149.156+/-356.064 χ^2/NDF: 20.5/25

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

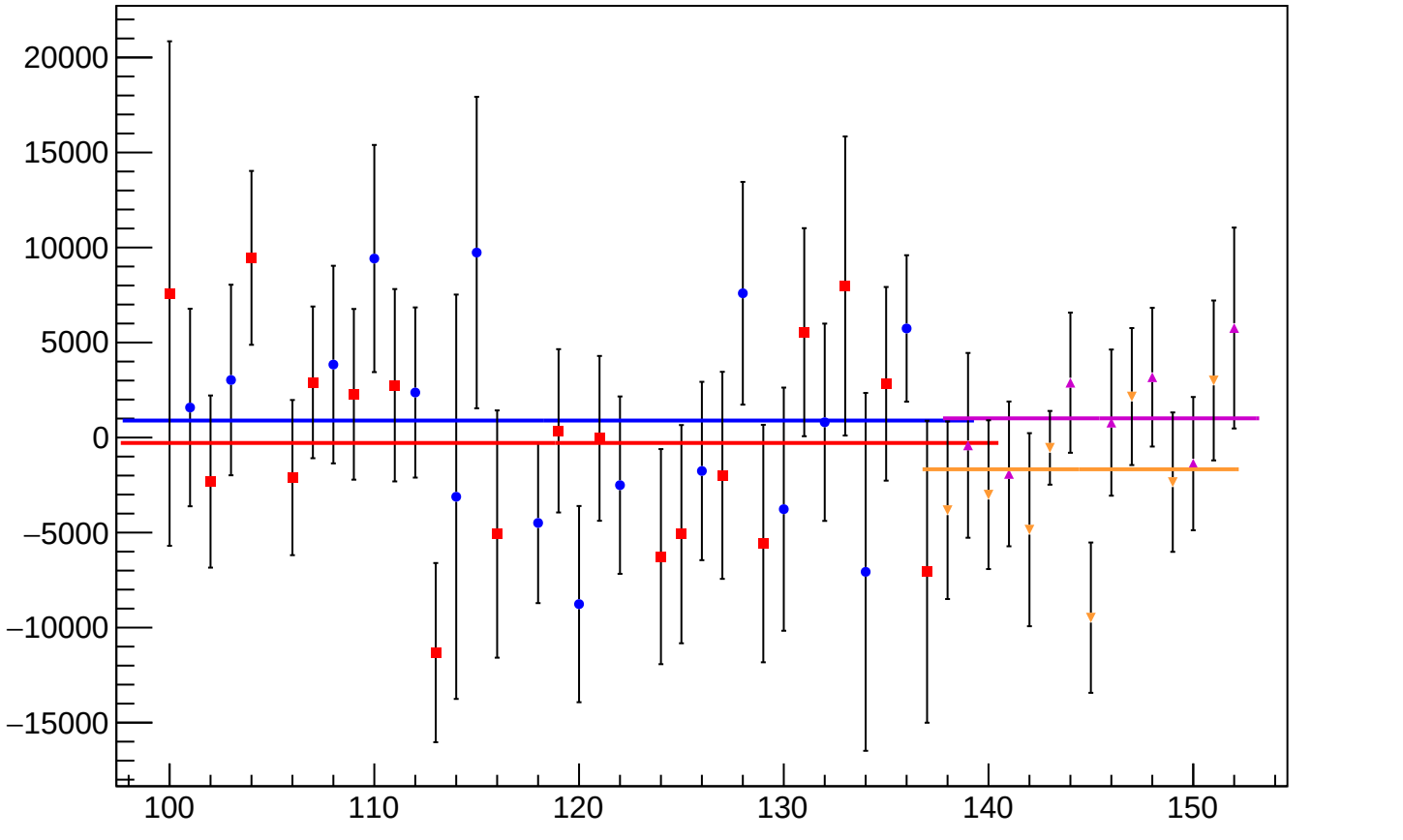
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1308.784+/-0.256 χ^2/NDF: 655341.4/23

All: 1301.946+/-0.179 χ^2/NDF: 995482.2/49

- sign 1295.333+/-0.252 χ^2/NDF: 338734.7/25



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1668.503+/-1206.136 χ^2/NDF:7.4/7

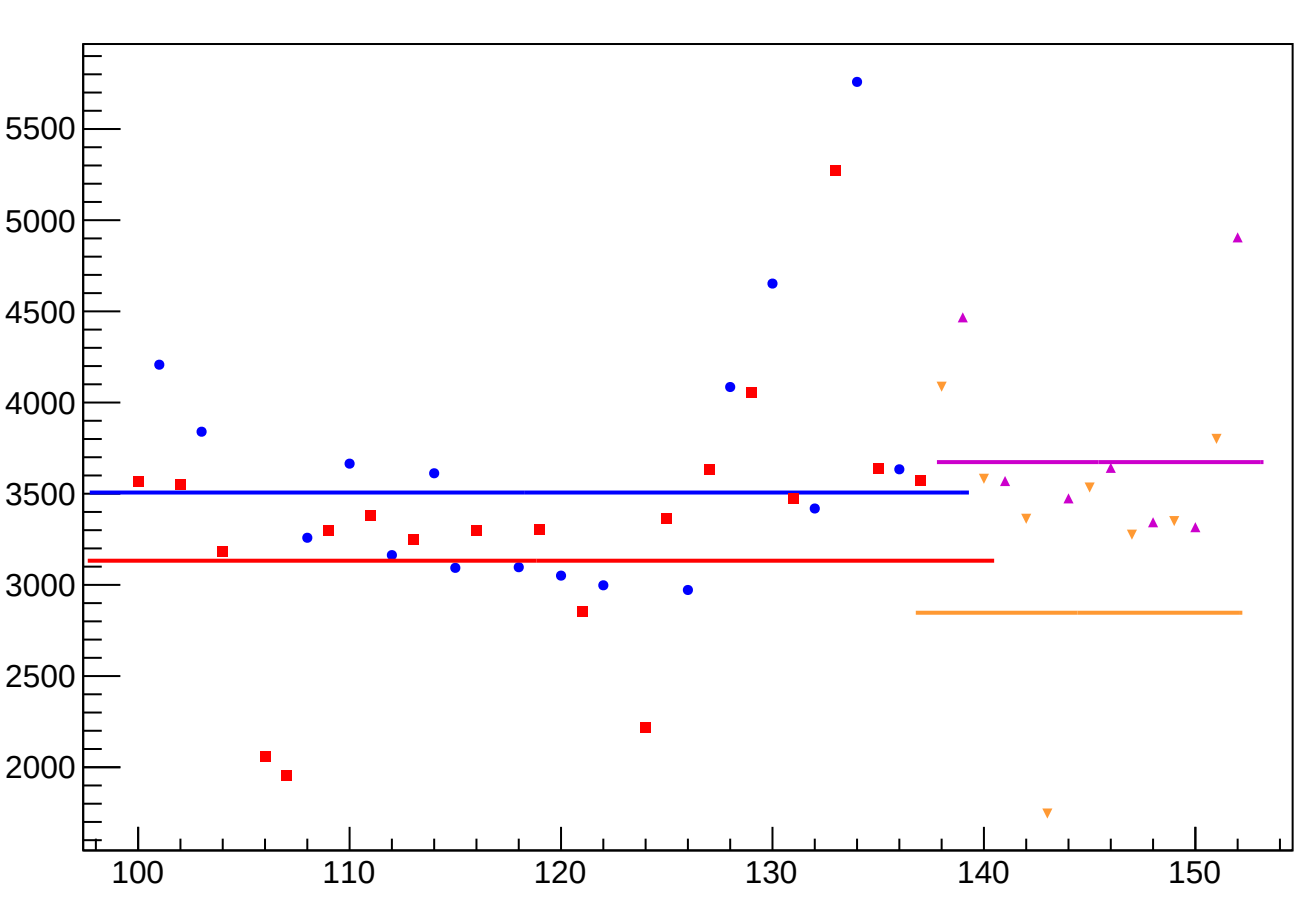
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1011.150+/-1499.663 χ^2/NDF:2.6/6

+ sign -506.240+/-891.881 χ^2/NDF: 23.5/23

All: -161.275+/-643.339 χ^2/NDF: 45.4/49

- sign 212.907+/-928.884 χ^2/NDF: 21.6/25



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

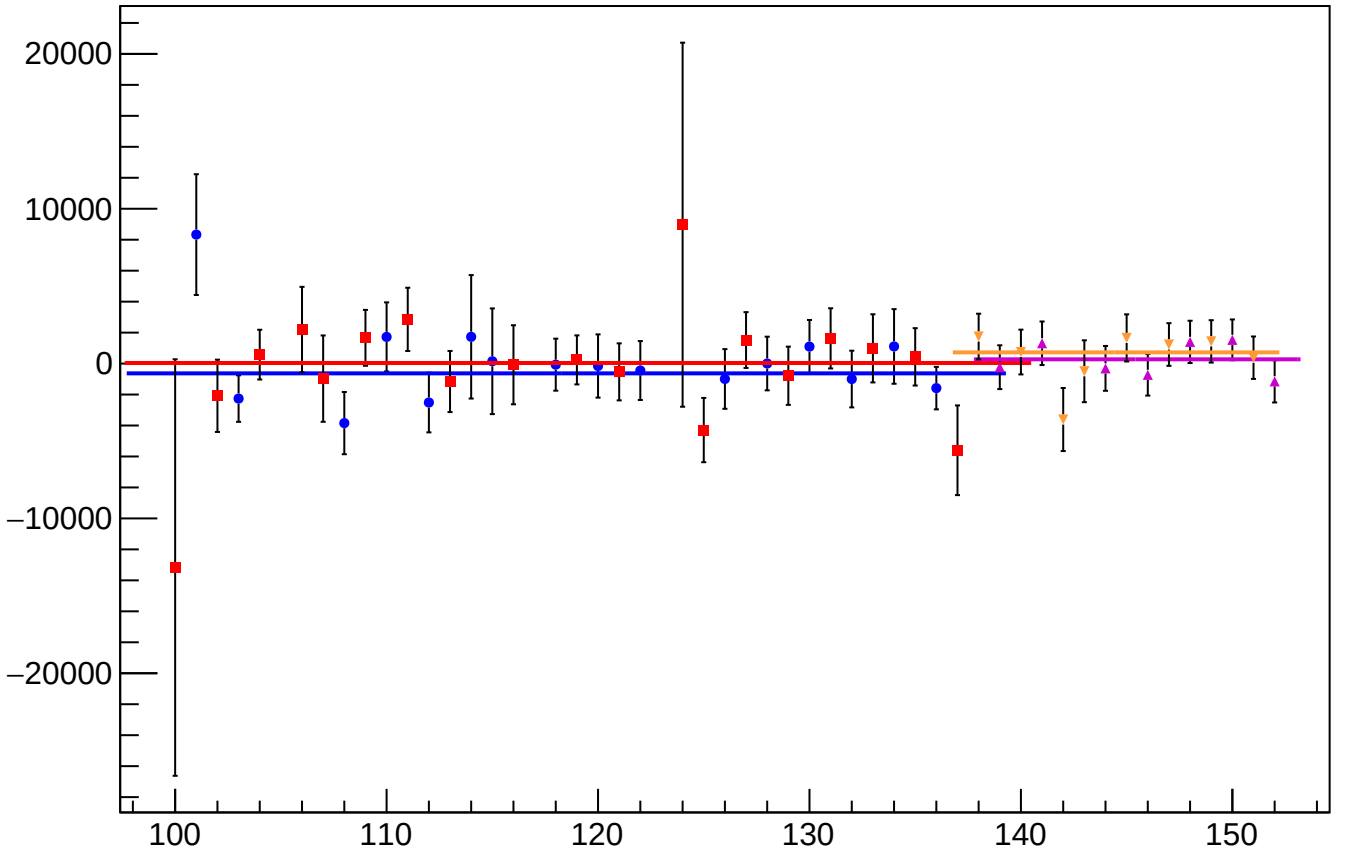
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

+ sign 3146.049+/-0.631 χ^2/NDF: 1729169.7/23

All: 3239.104+/-0.455 χ^2/NDF: 2791004.1/49

- sign 3340.042+/-0.657 χ^2/NDF: 1016446.0/25



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

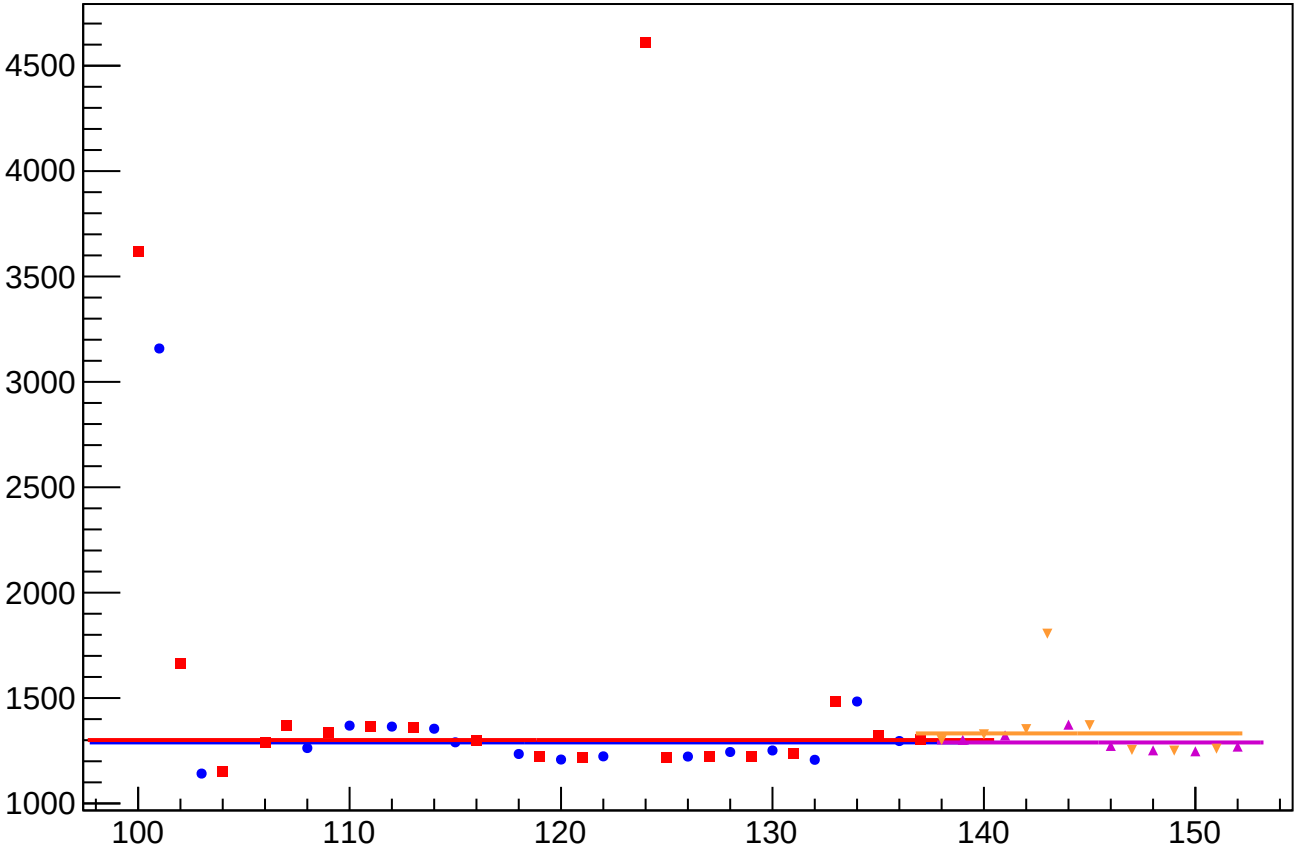
Left In: 274.899+/-520.586 χ^2/NDF:4.1/6

+ sign -18.615+/-361.682 χ^2/NDF: 23.6/23

All: 66.584+/-253.738 χ^2/NDF: 44.2/49

- sign 149.156+/-356.064 χ^2/NDF: 20.5/25

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: 1332.187+/-0.380 χ^2/NDF:133752.8/7

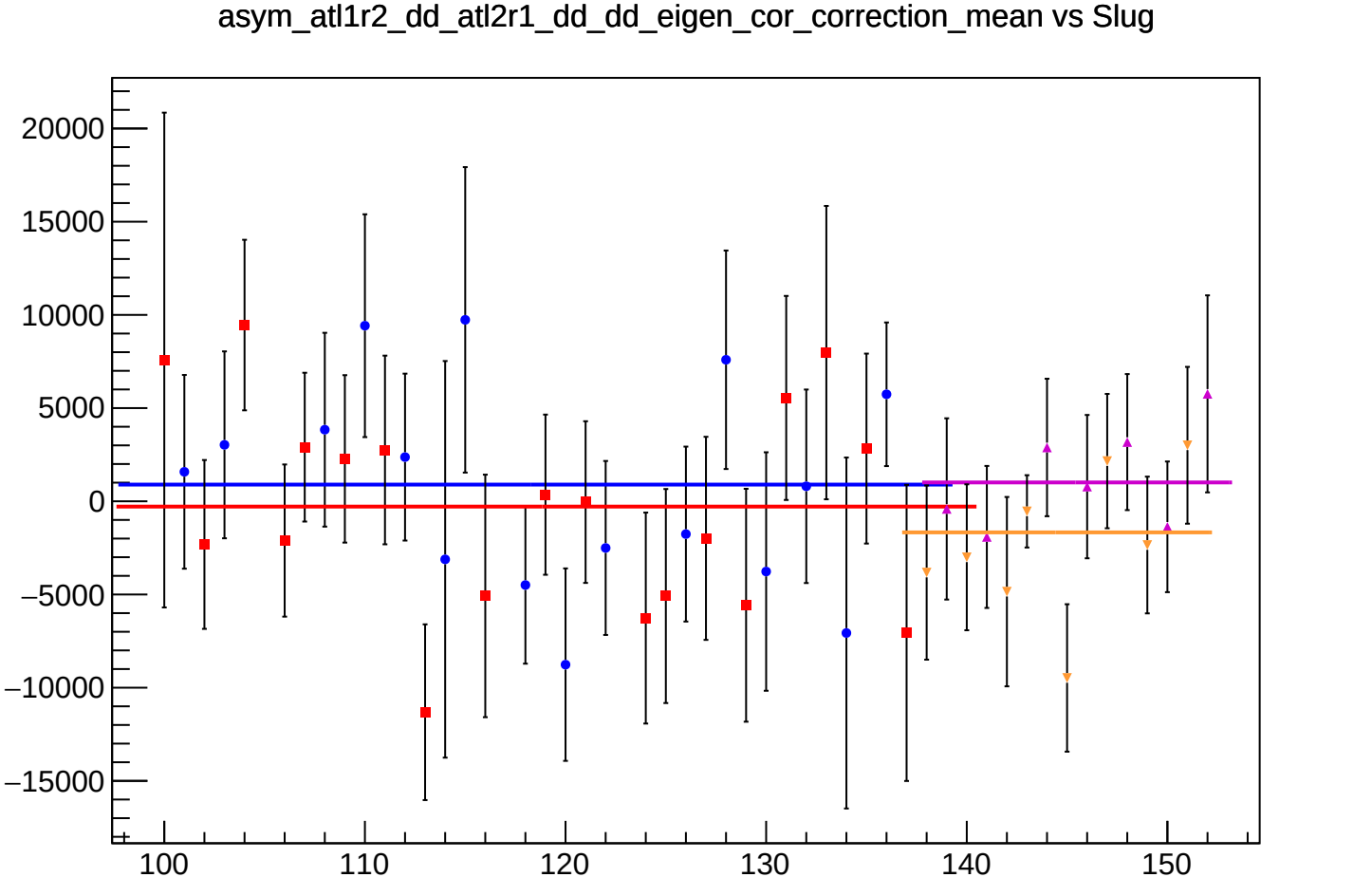
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1308.784+/-0.256 χ^2/NDF: 655341.4/23

All: 1301.946+/-0.179 χ^2/NDF: 995482.2/49

- sign 1295.333+/-0.252 χ^2/NDF: 338734.7/25



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1668.503+/-1206.136 χ^2/NDF:7.4/7

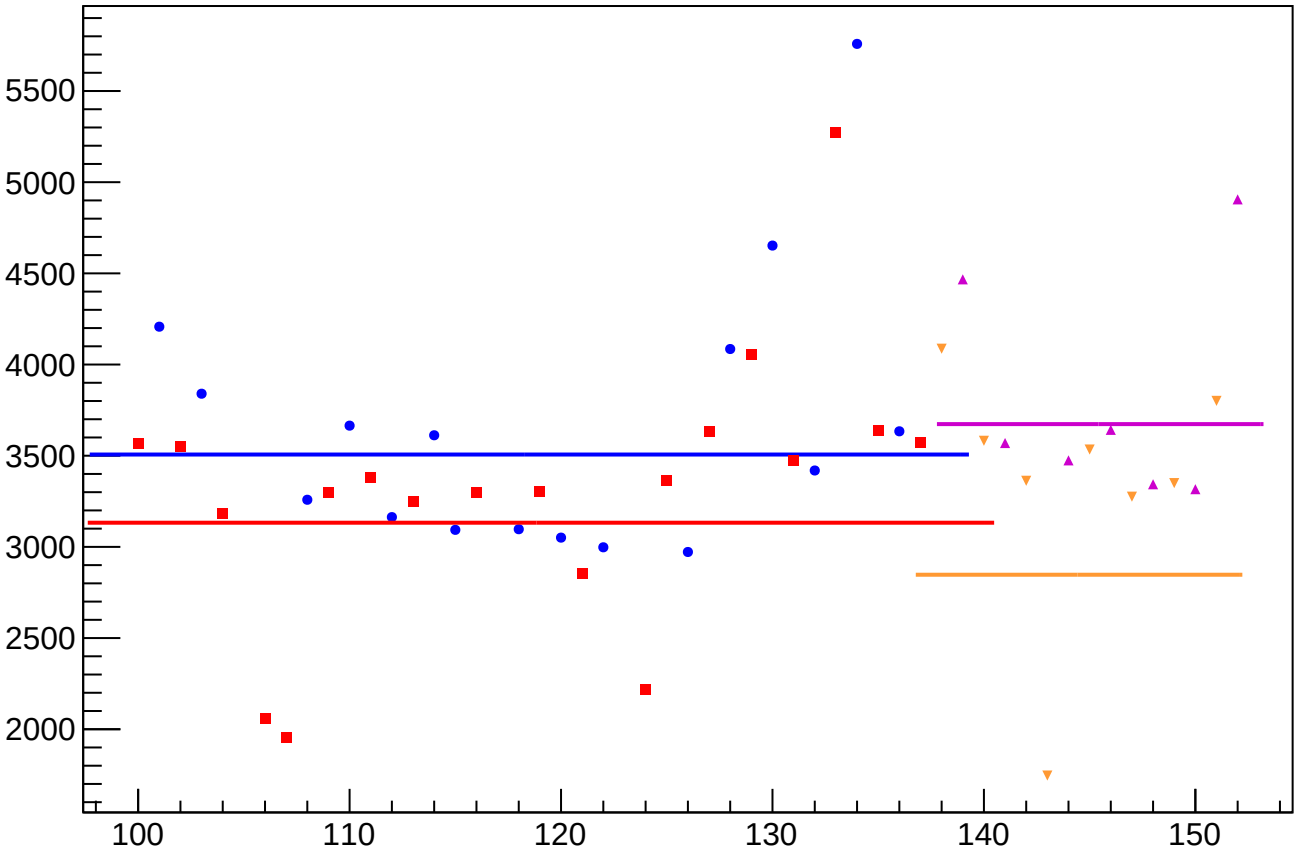
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1011.150+/-1499.663 χ^2/NDF:2.6/6

+ sign -506.240+/-891.881 χ^2/NDF: 23.5/23

All: -161.275+/-643.339 χ^2/NDF: 45.4/49

- sign 212.907+/-928.884 χ^2/NDF: 21.6/25



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

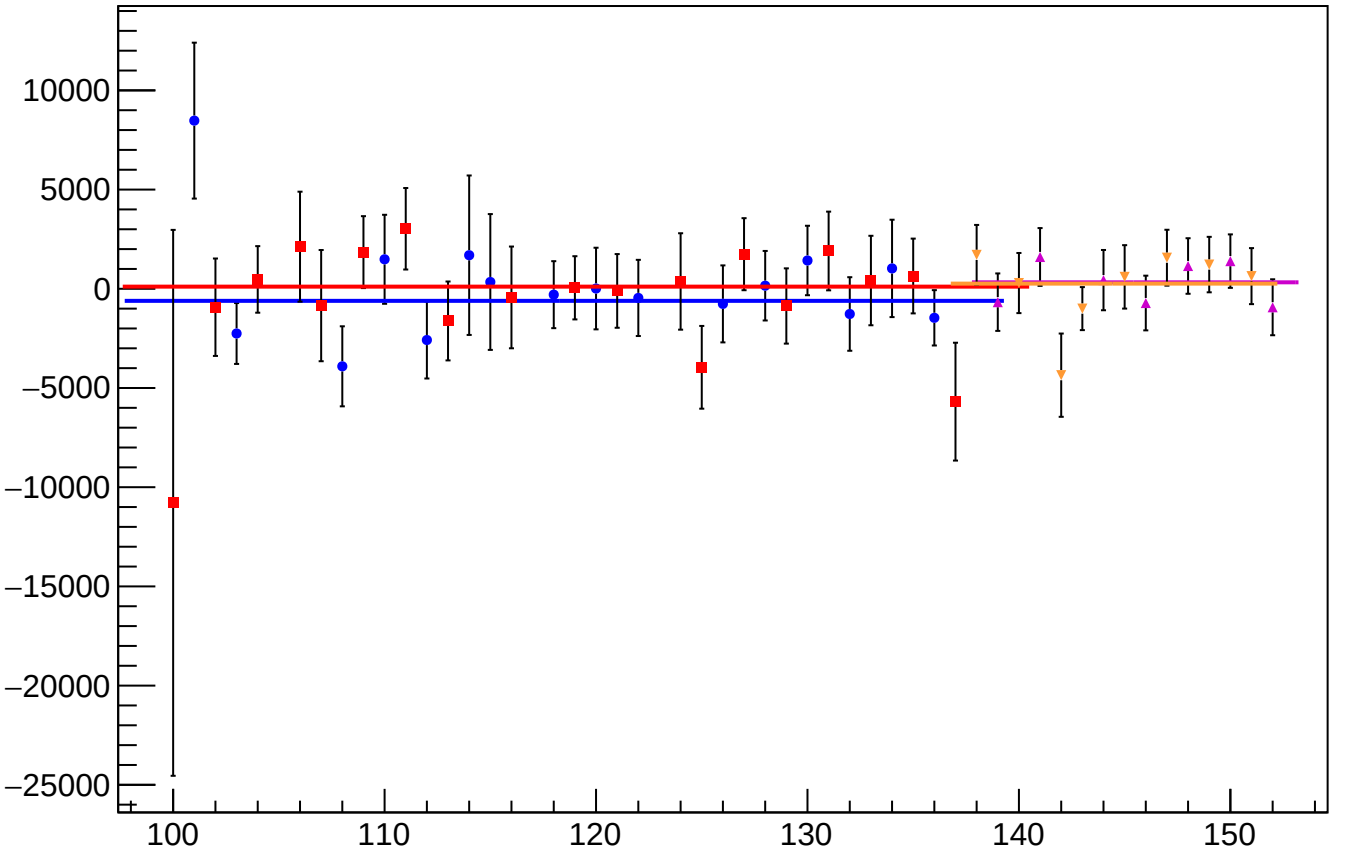
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

+ sign 3146.049+/-0.631 χ^2/NDF: 1729169.7/23

All: 3239.104+/-0.455 χ^2/NDF: 2791004.1/49

- sign 3340.042+/-0.657 χ^2/NDF: 1016446.0/25



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.523+/-508.892 χ^2/NDF:8.6/7

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

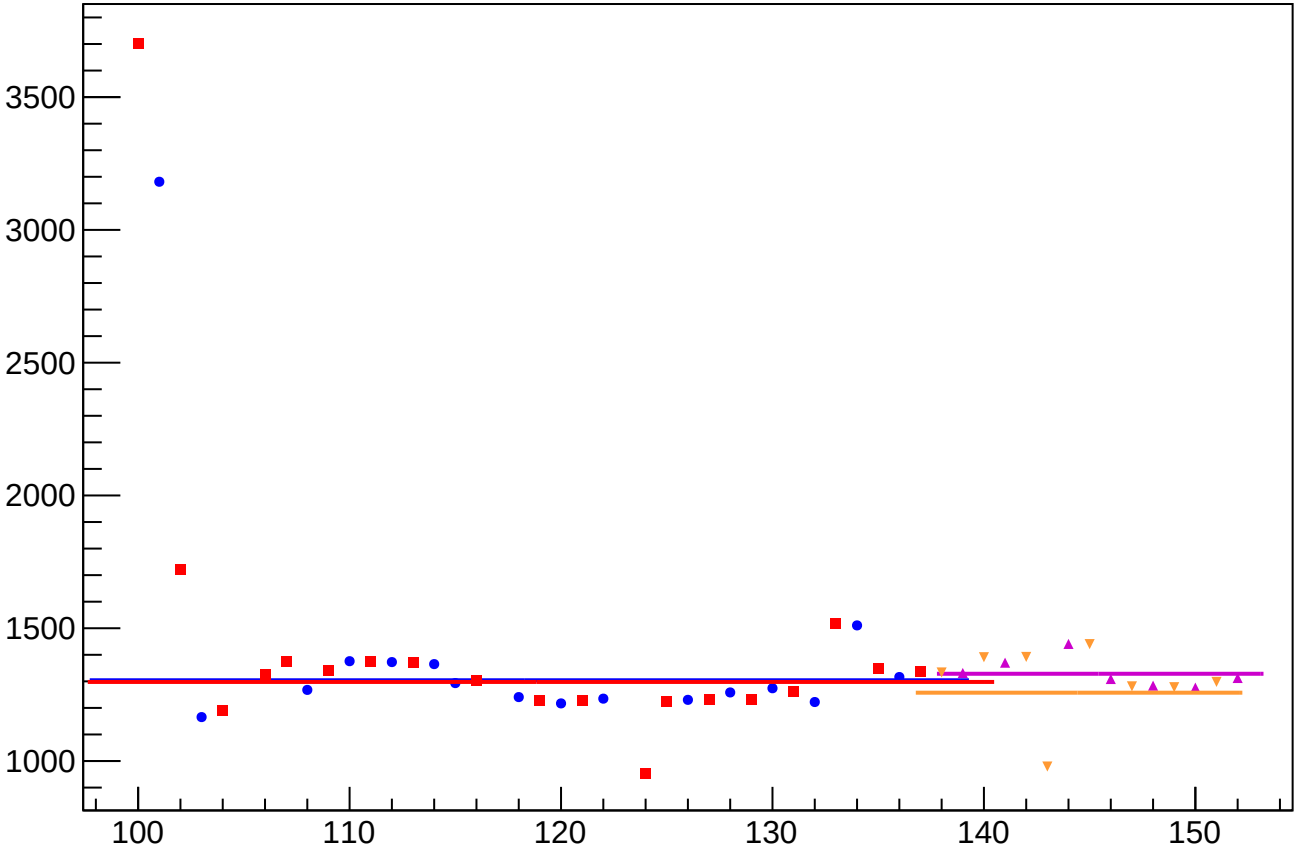
Left In: 326.169+/-536.661 χ^2/NDF:3.6/6

+ sign -186.385+/-354.526 χ^2/NDF: 24.2/23

All: 7.038+/-252.619 χ^2/NDF: 43.3/49

- sign 206.541+/-360.054 χ^2/NDF: 18.6/25

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1257.332+/-0.360 χ^2/NDF:189333.3/7

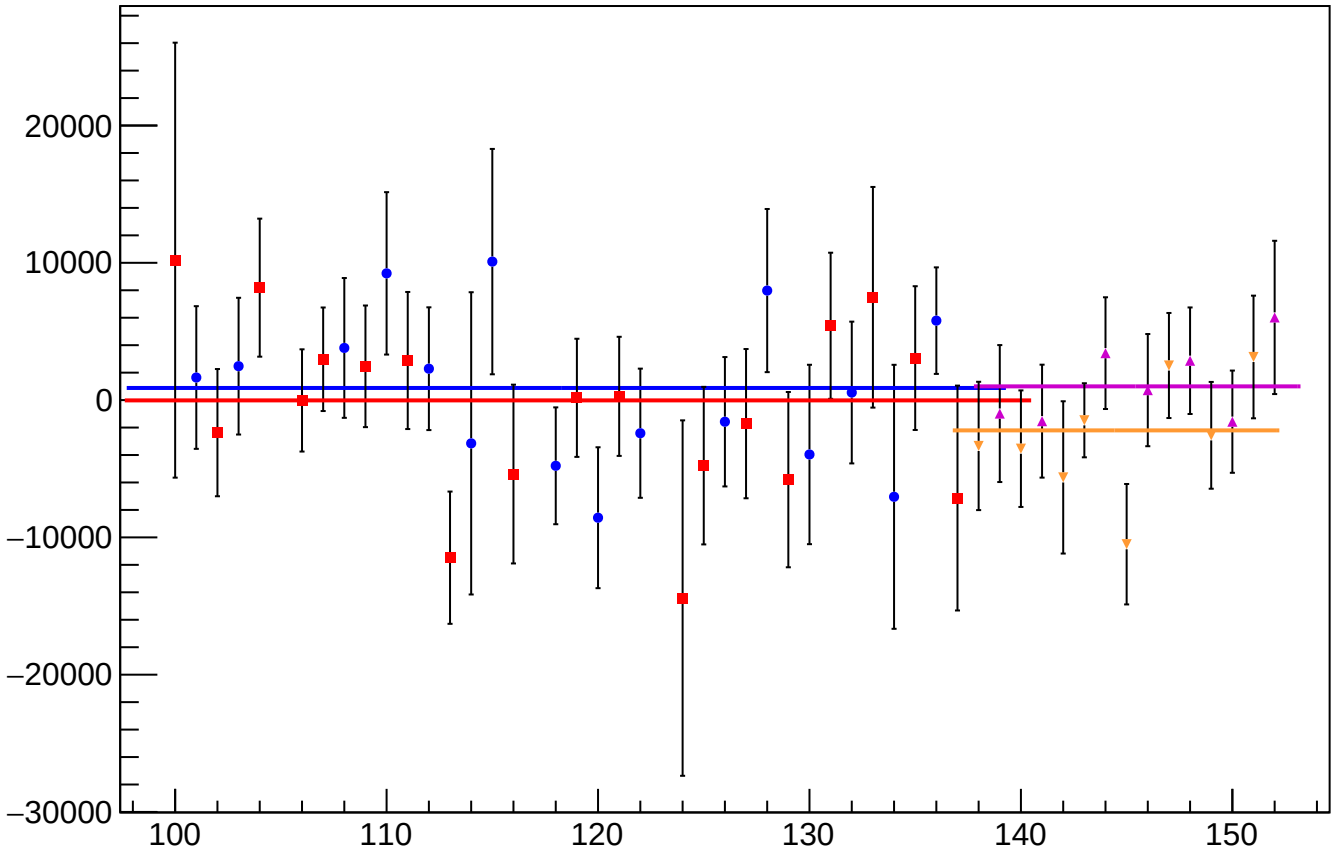
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1328.595+/-0.379 χ^2/NDF:18306.6/6

+ sign 1281.403+/-0.251 χ^2/NDF: 708617.1/23

All: 1296.298+/-0.179 χ^2/NDF: 950813.5/49

- sign 1311.648+/-0.254 χ^2/NDF: 235028.0/25



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2205.955+/-1403.445 χ^2/NDF:7.2/7

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

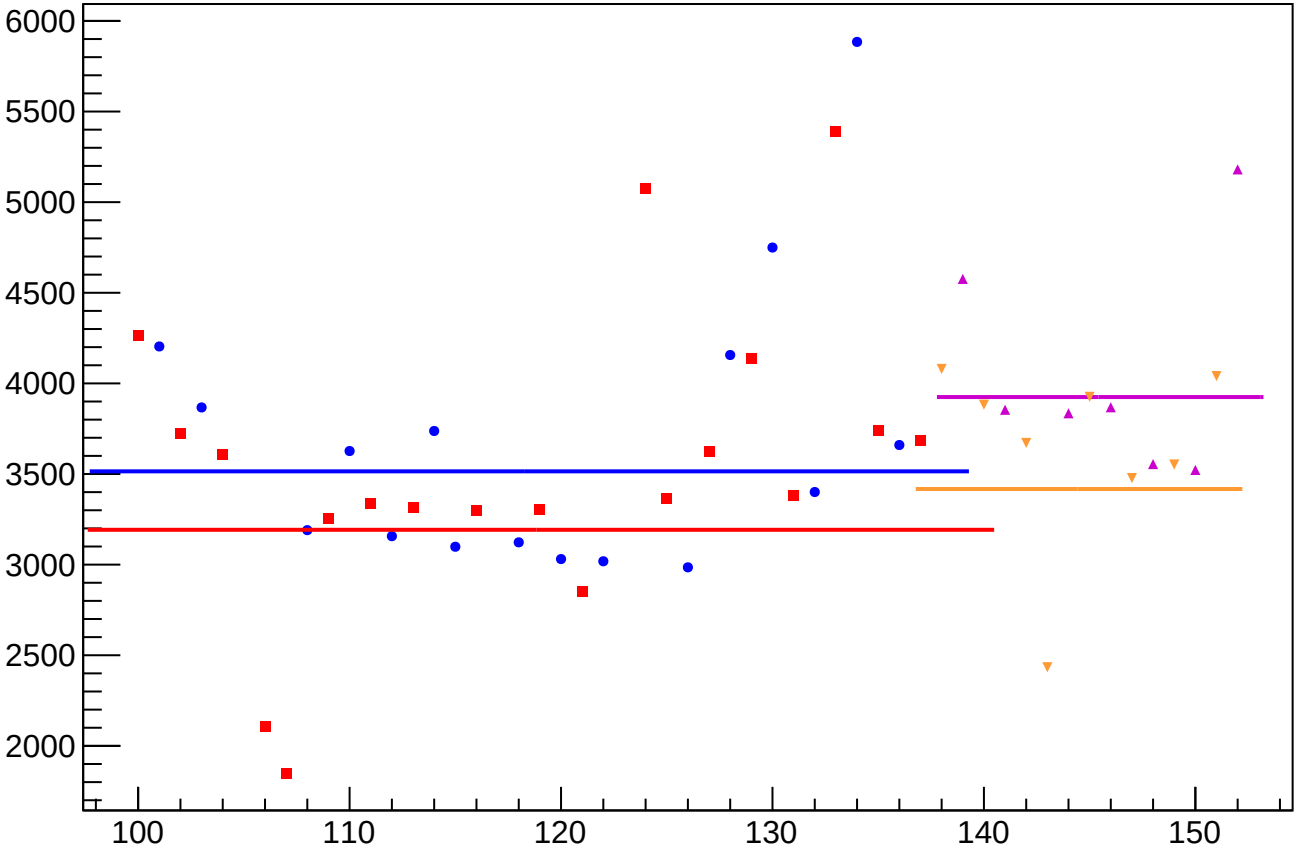
Left In: 1000.552+/-1600.800 χ^2/NDF:2.4/6

+ sign -574.967+/-964.377 χ^2/NDF: 23.8/23

All: -112.107+/-680.429 χ^2/NDF: 43.8/49

- sign 346.733+/-960.180 χ^2/NDF: 19.5/25

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3417.290+/-0.992 χ^2/NDF:402928.5/7

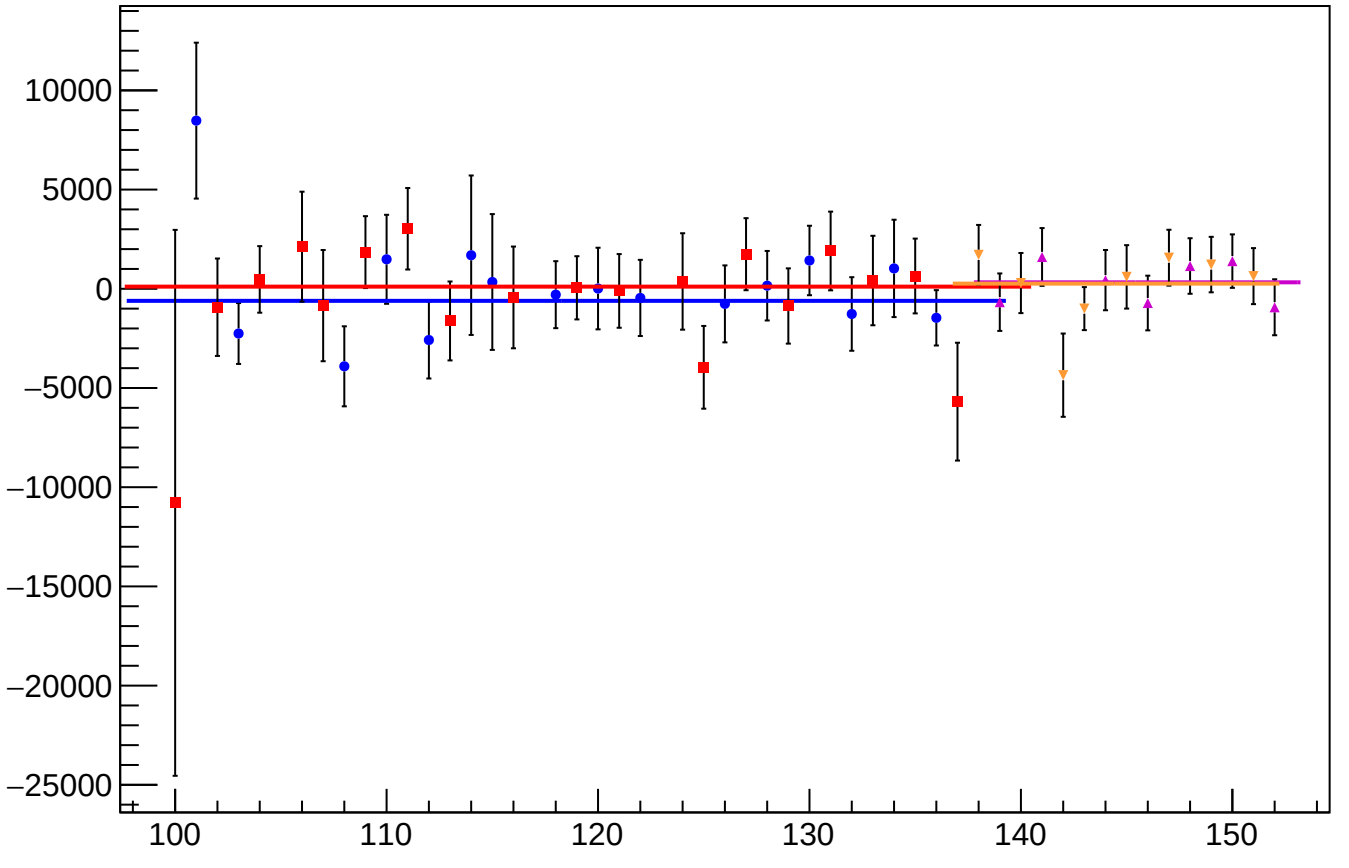
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3924.685+/-1.132 χ^2/NDF:178886.7/6

+ sign 3468.730+/-0.682 χ^2/NDF: 783097.4/23

All: 3462.203+/-0.481 χ^2/NDF: 2002752.8/49

- sign 3455.732+/-0.679 χ^2/NDF: 1219473.0/25



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.521+/-508.892 χ^2/NDF:8.6/7

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

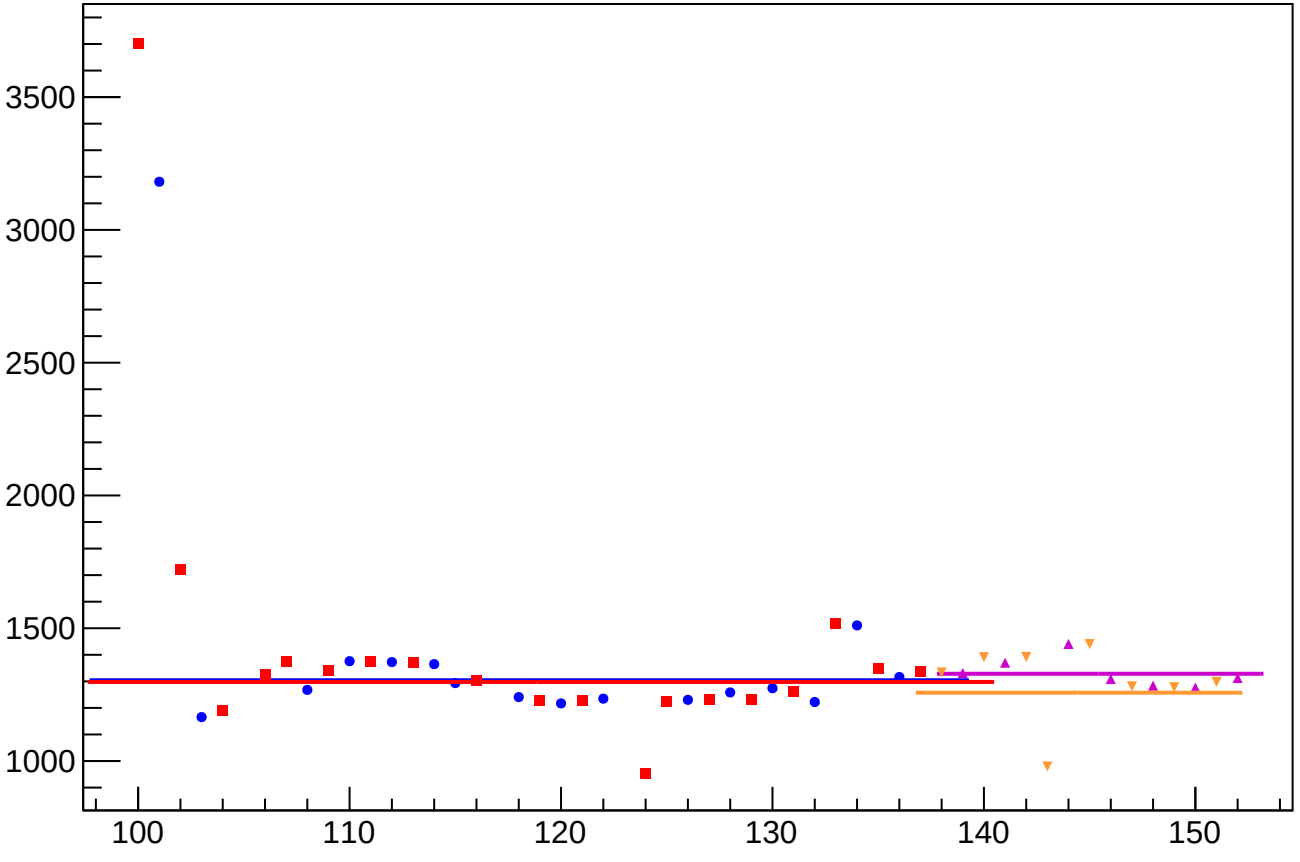
Left In: 326.168+/-536.661 χ^2/NDF:3.6/6

+ sign -186.388+/-354.526 χ^2/NDF: 24.2/23

All: 7.038+/-252.619 χ^2/NDF: 43.3/49

- sign 206.544+/-360.054 χ^2/NDF: 18.6/25

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: 1257.333+/-0.360 χ^2/NDF:189333.5/7

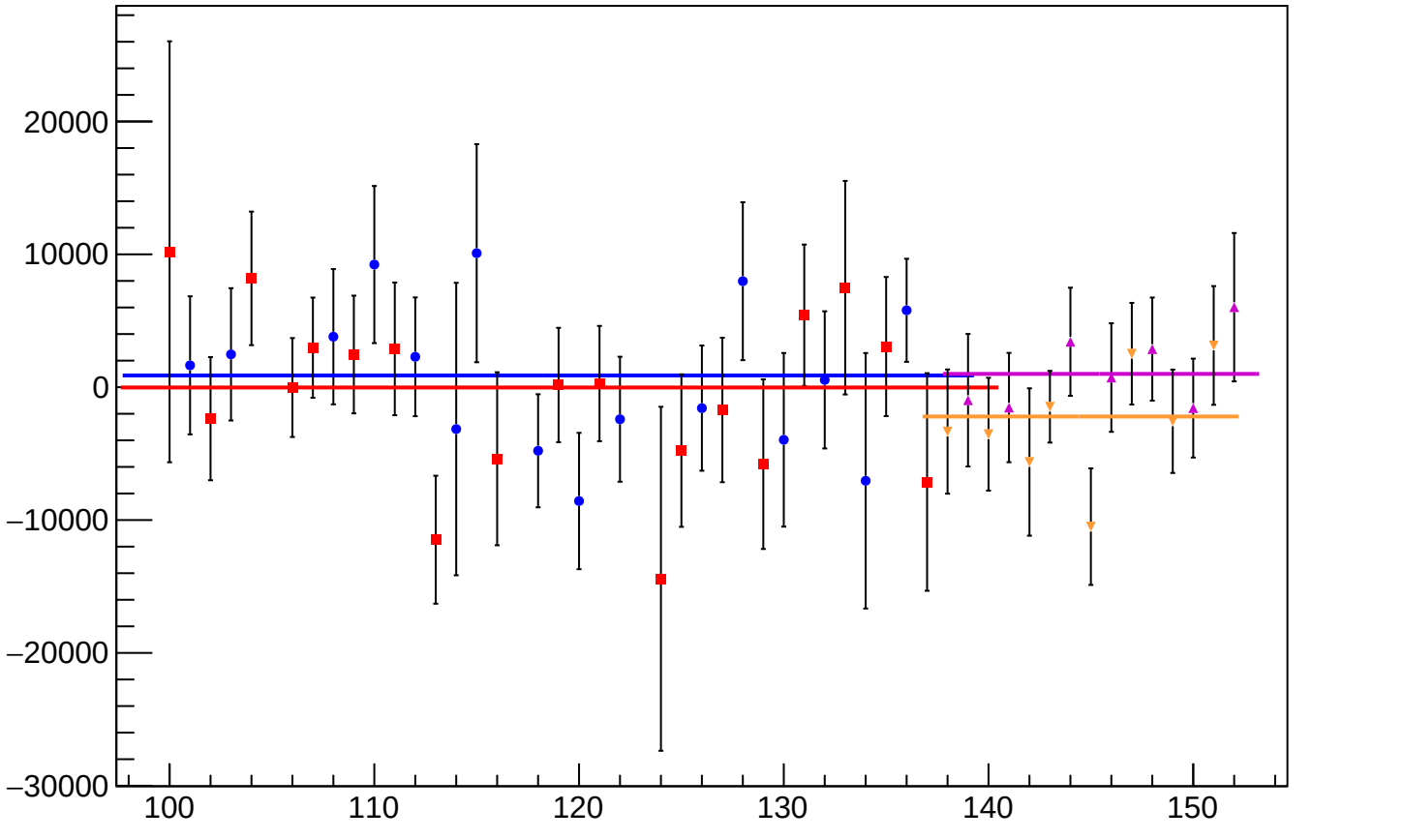
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1328.596+/-0.379 χ^2/NDF:18306.7/6

+ sign 1281.403+/-0.251 χ^2/NDF: 708617.1/23

All: 1296.298+/-0.179 χ^2/NDF: 950813.9/49

- sign 1311.649+/-0.254 χ^2/NDF: 235028.4/25



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2205.954+/-1403.447 χ^2/NDF:7.2/7

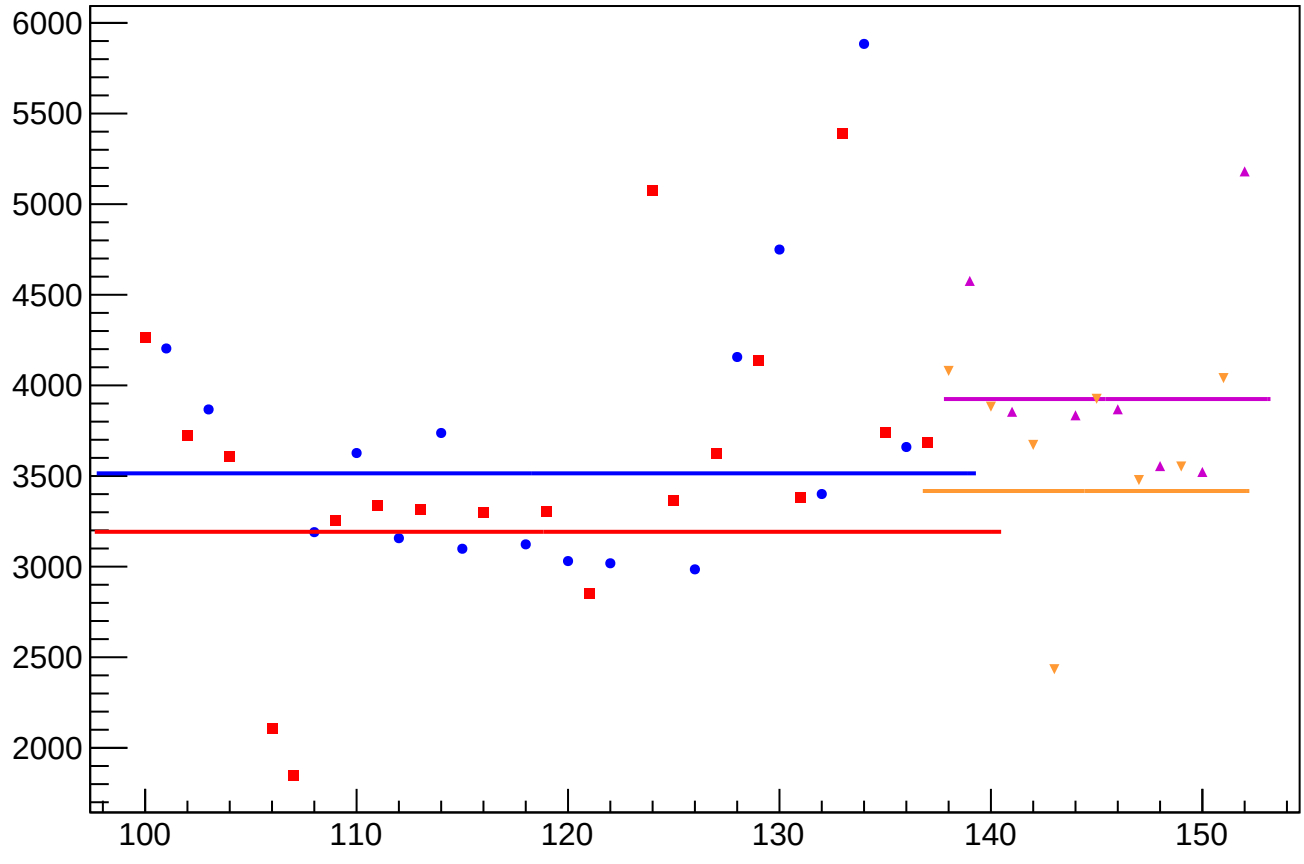
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1000.550+/-1600.802 χ^2/NDF:2.4/6

+ sign -574.966+/-964.376 χ^2/NDF: 23.8/23

All: -112.106+/-680.428 χ^2/NDF: 43.8/49

- sign 346.734+/-960.179 χ^2/NDF: 19.5/25



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3417.295+/-0.992 χ^2/NDF:402928.8/7

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

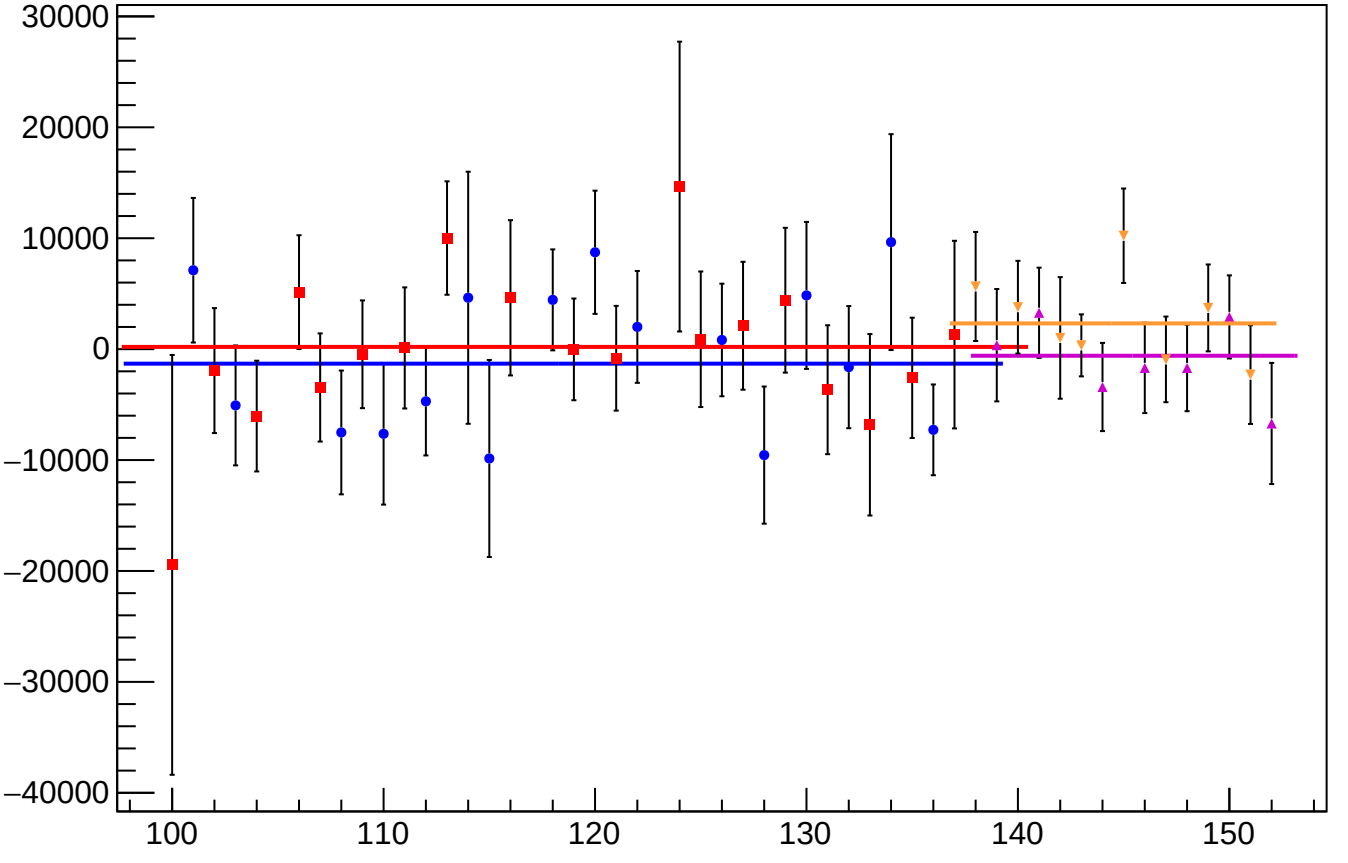
Left In: 3924.690+/-1.132 χ^2/NDF:178887.3/6

+ sign 3468.727+/-0.682 χ^2/NDF: 783100.4/23

All: 3462.199+/-0.481 χ^2/NDF: 2002768.2/49

- sign 3455.728+/-0.679 χ^2/NDF: 1219485.2/25

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2321.366+/-1417.221 χ^2/NDF:6.5/7

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

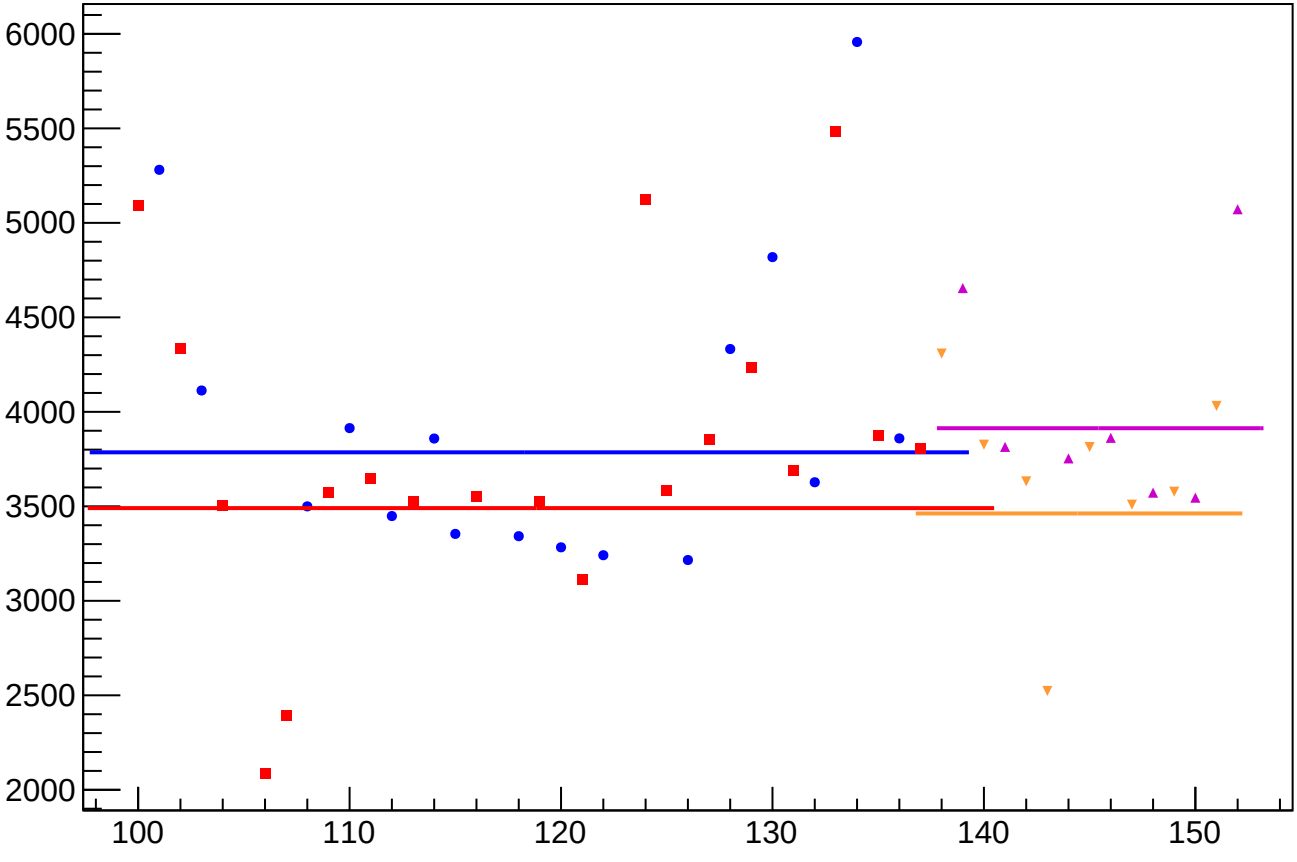
Left In: -596.327+/-1594.326 χ^2/NDF:3.7/6

+ sign 524.364+/-1007.180 χ^2/NDF: 27.3/23

All: 203.797+/-718.068 χ^2/NDF: 43.0/49

- sign -127.586+/-1024.032 χ^2/NDF: 15.5/25

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3462.341+/-1.002 χ^2/NDF:350486.3/7

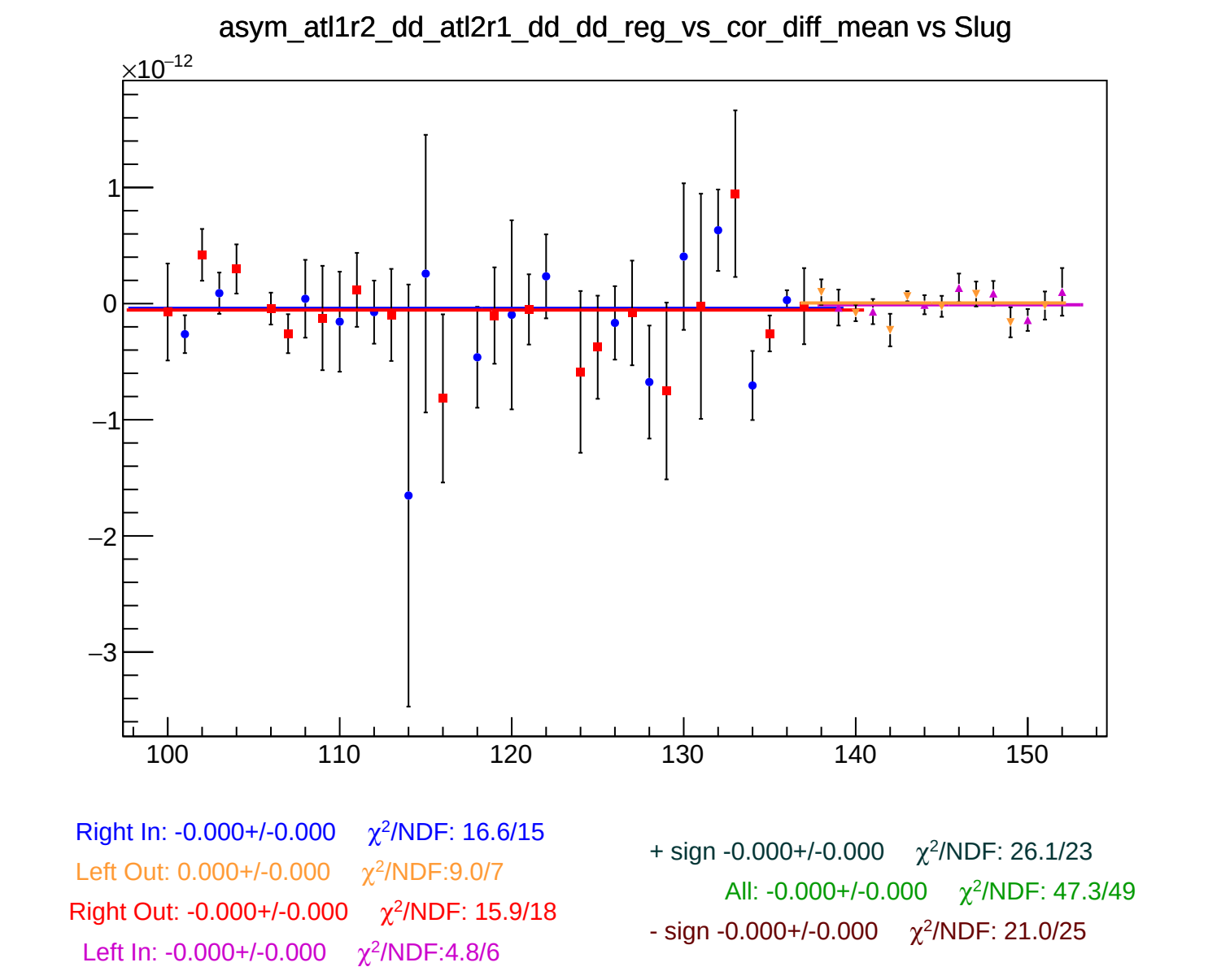
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

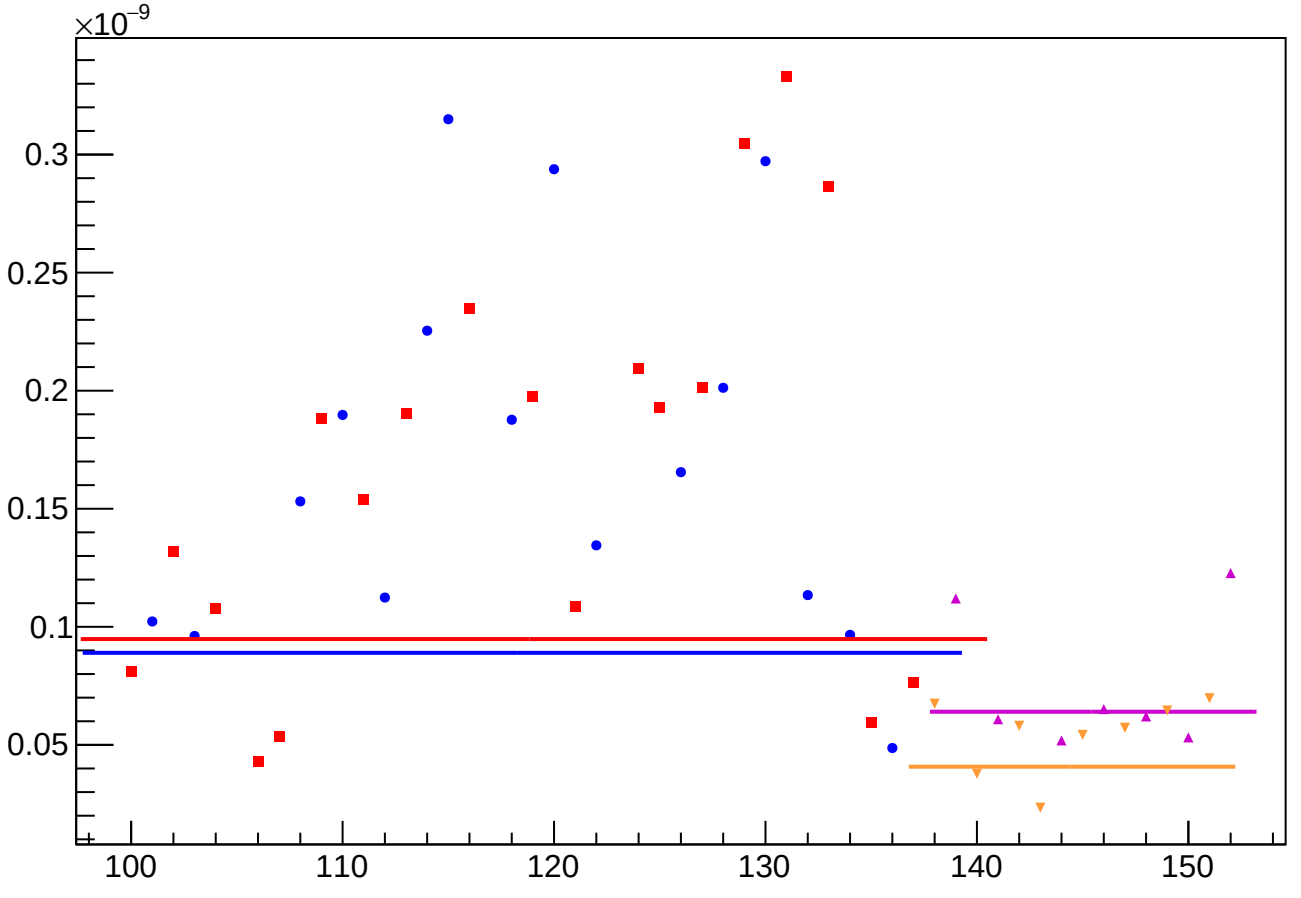
Left In: 3913.340+/-1.127 χ^2/NDF:172116.9/6

\+ sign 3622.424+/-0.712 χ^2/NDF: 785035.5/23

All: 3642.144+/-0.506 χ^2/NDF: 1628944.9/49

\- sign 3662.202+/-0.718 χ^2/NDF: 842362.8/25


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.0/7
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:4.8/6
+ sign -0.000+/-0.000 χ²/NDF: 26.1/23
All: -0.000+/-0.000 χ²/NDF: 47.3/49
- sign -0.000+/-0.000 χ²/NDF: 21.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:740129.3/7

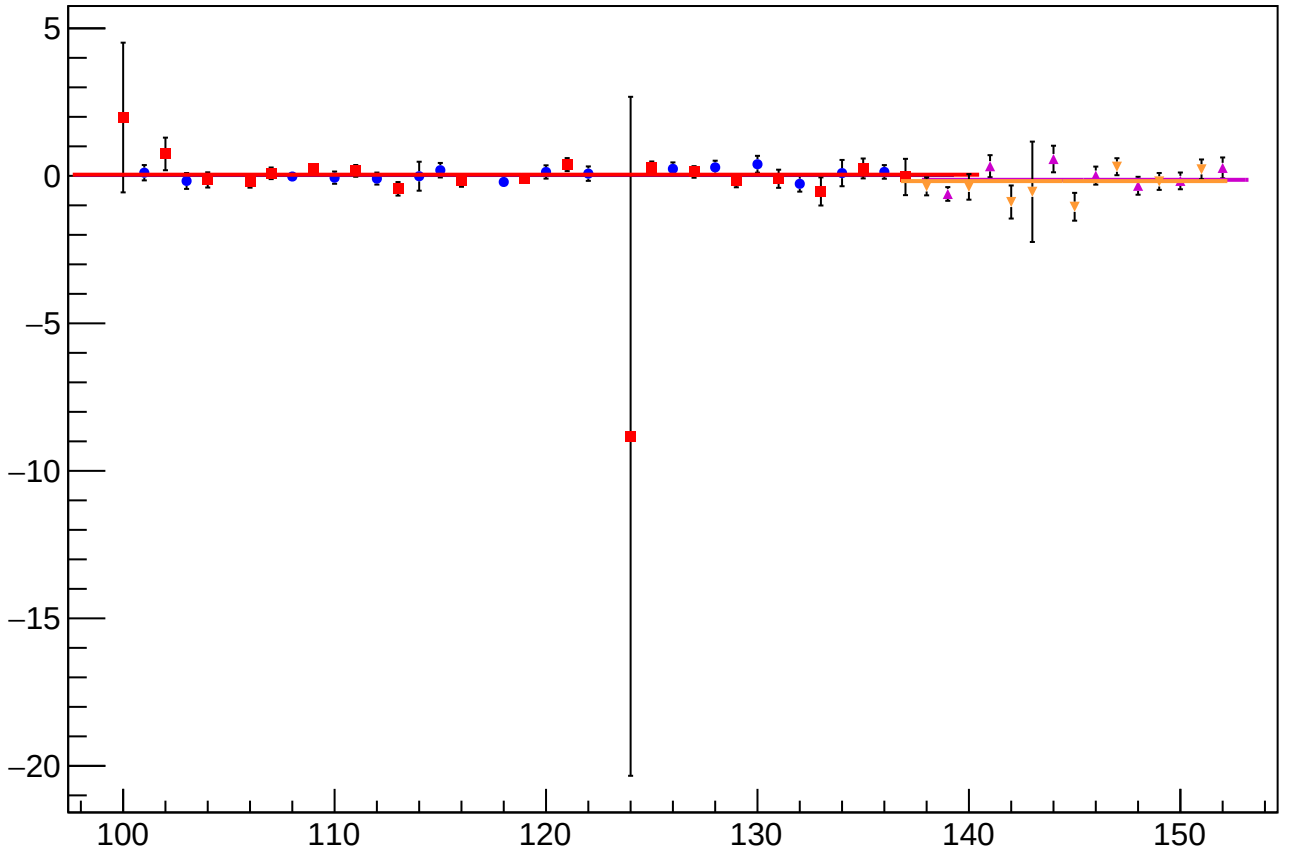
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:428699.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3277101.2/23

All: 0.000+/-0.000 χ^2/NDF: 6325285.1/49

- sign 0.000+/-0.000 χ^2/NDF: 2486384.4/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

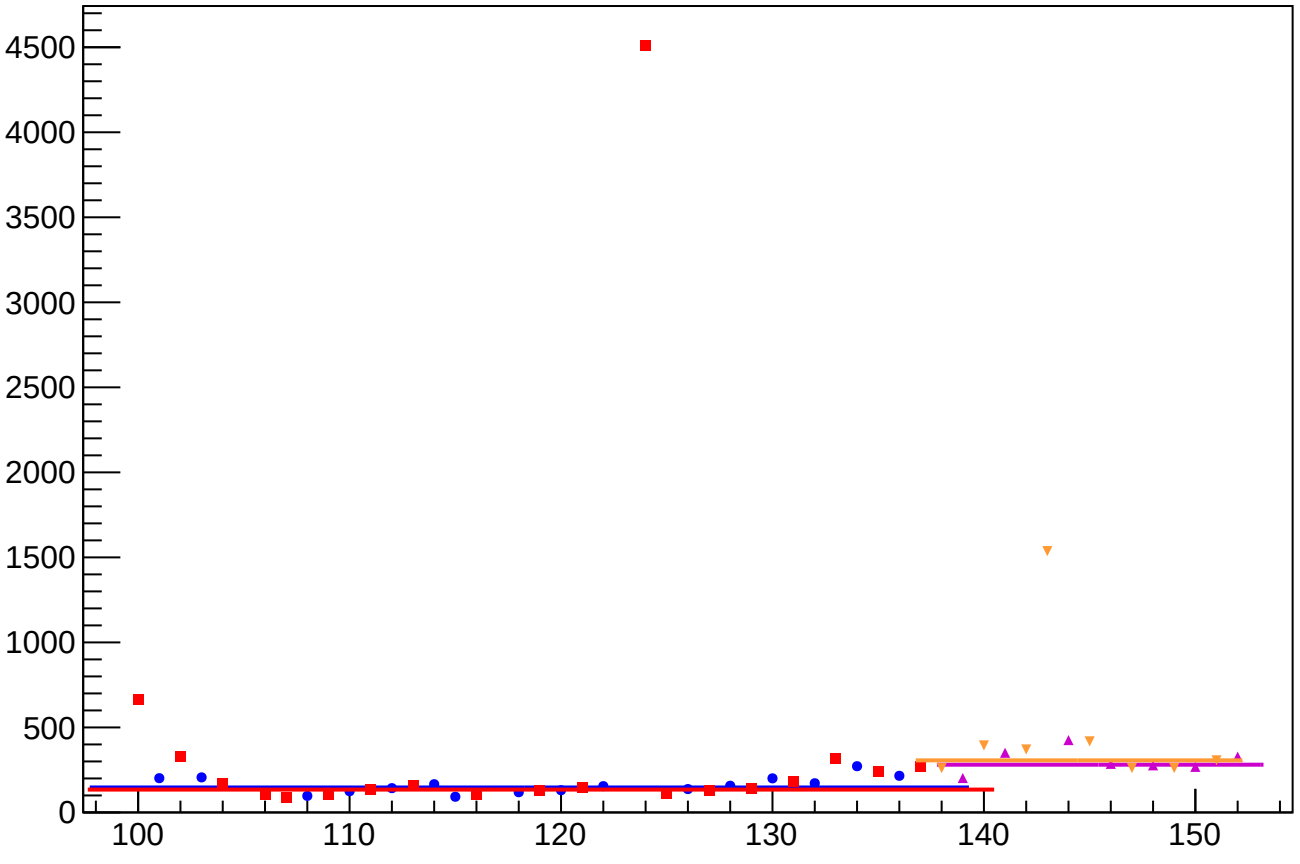
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: 0.002+/-0.036 χ^2/NDF: 53.4/49

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 306.407+/-0.093 χ^2/NDF:1411618.5/7

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

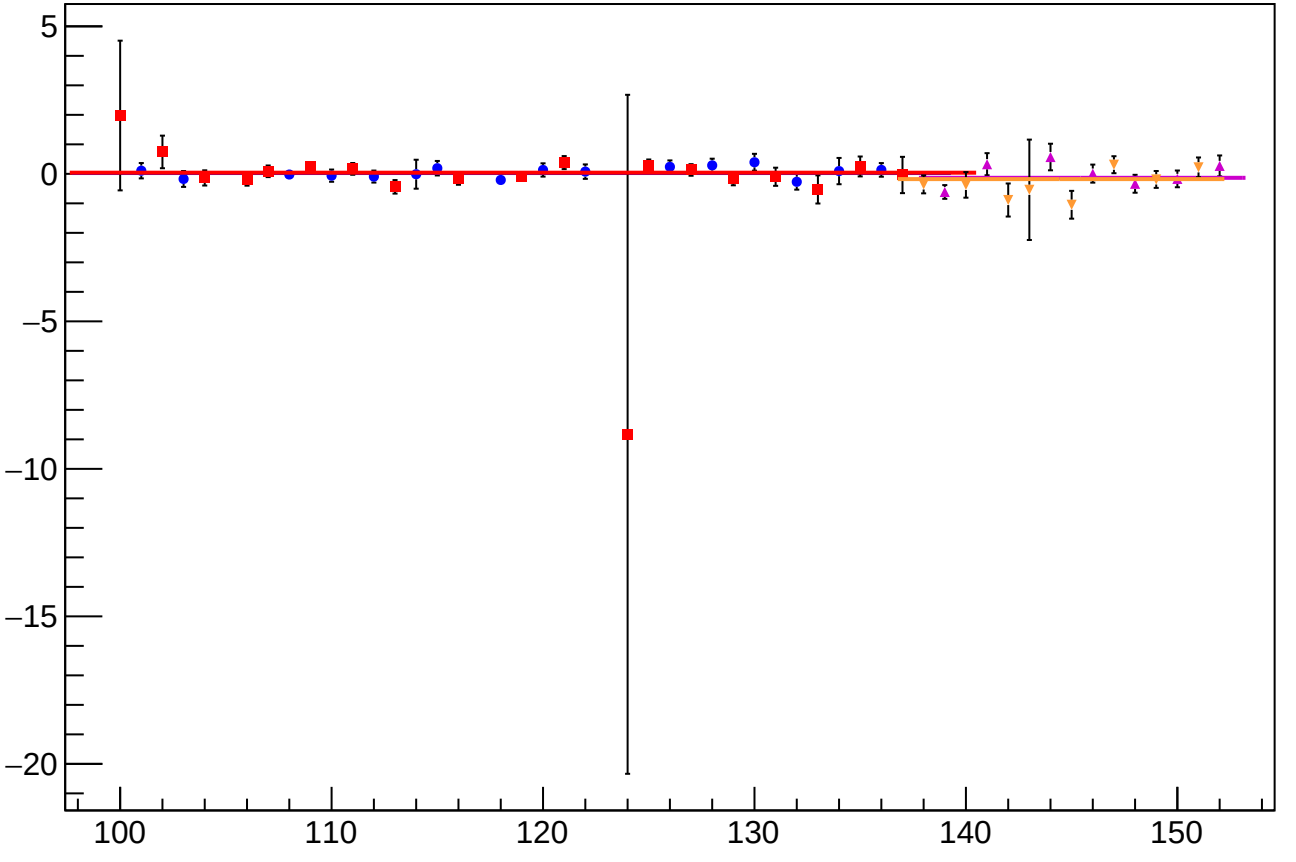
Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

+ sign 172.462+/-0.037 χ^2/NDF: 4867386.5/23

All: 166.188+/-0.026 χ^2/NDF: 9622179.4/49

- sign 160.654+/-0.035 χ^2/NDF: 4701774.3/25

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: -0.178+/-0.132 χ^2/NDF:9.9/7

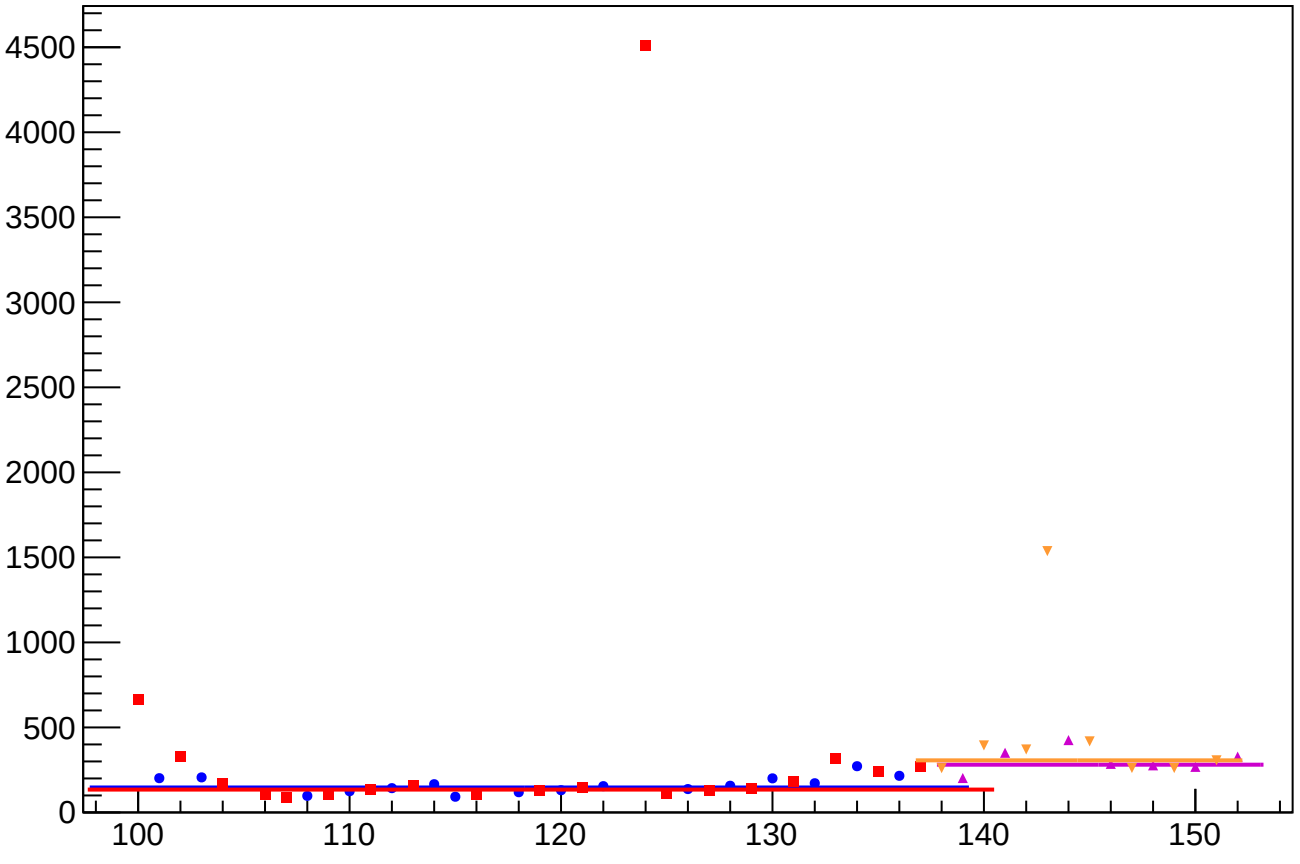
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: 0.002+/-0.036 χ^2/NDF: 53.4/49

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 306.407+/-0.093 χ^2/NDF:1411618.5/7

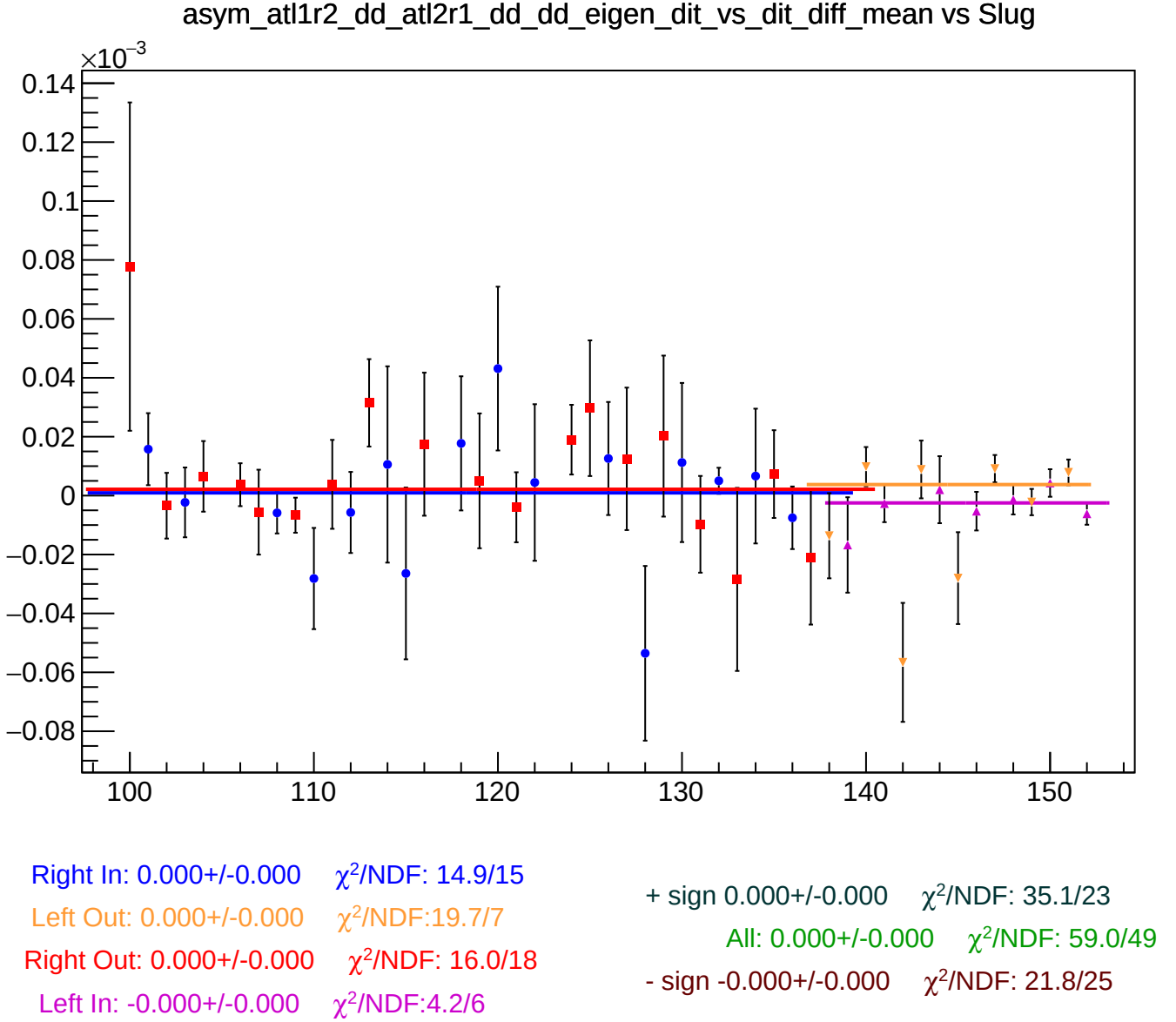
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

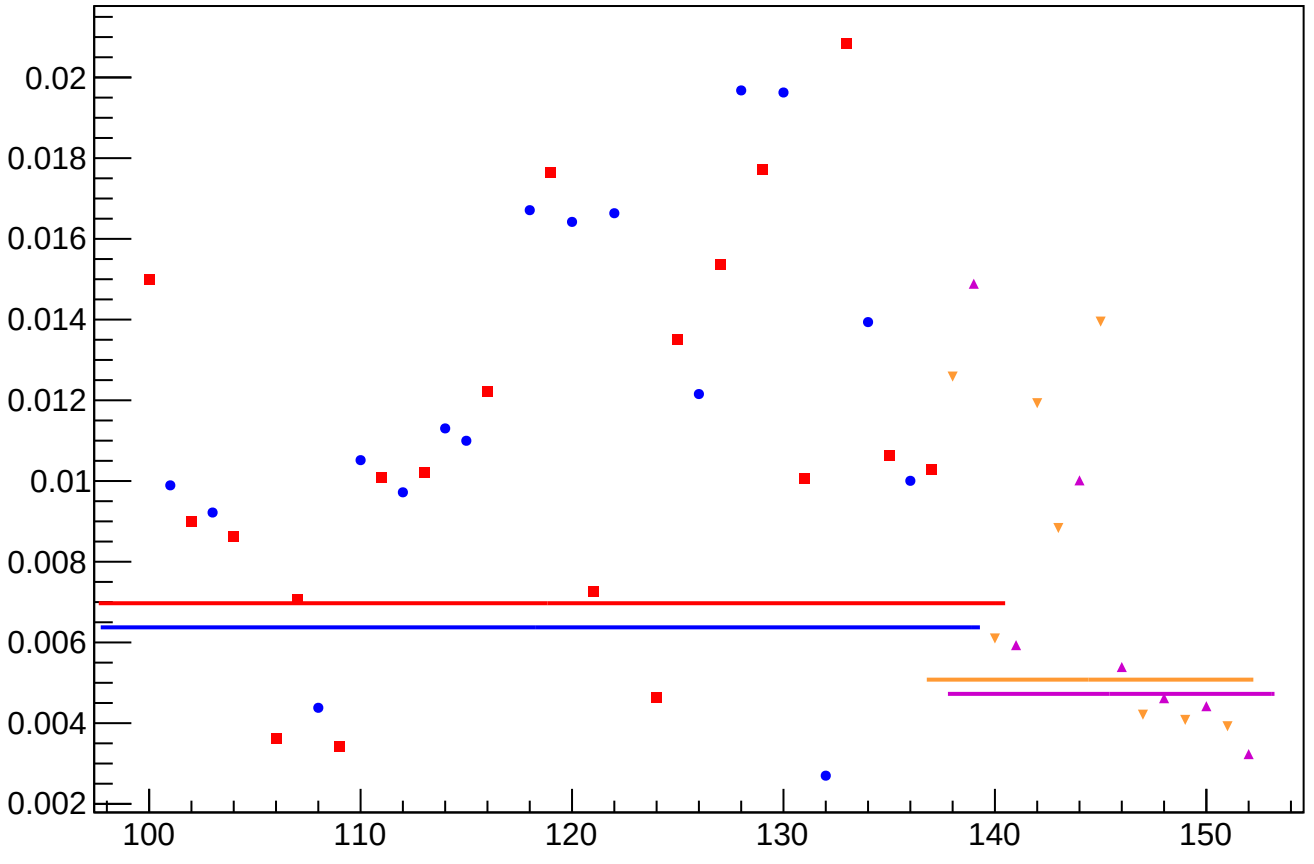
Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

+ sign 172.462+/-0.037 χ^2/NDF: 4867386.5/23

All: 166.188+/-0.026 χ^2/NDF: 9622179.4/49

- sign 160.654+/-0.035 χ^2/NDF: 4701774.3/25


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:19.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:4.2/6
+ sign 0.000+/-0.000 χ²/NDF: 35.1/23
All: 0.000+/-0.000 χ²/NDF: 59.0/49
- sign -0.000+/-0.000 χ²/NDF: 21.8/25



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2067666.8/7

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

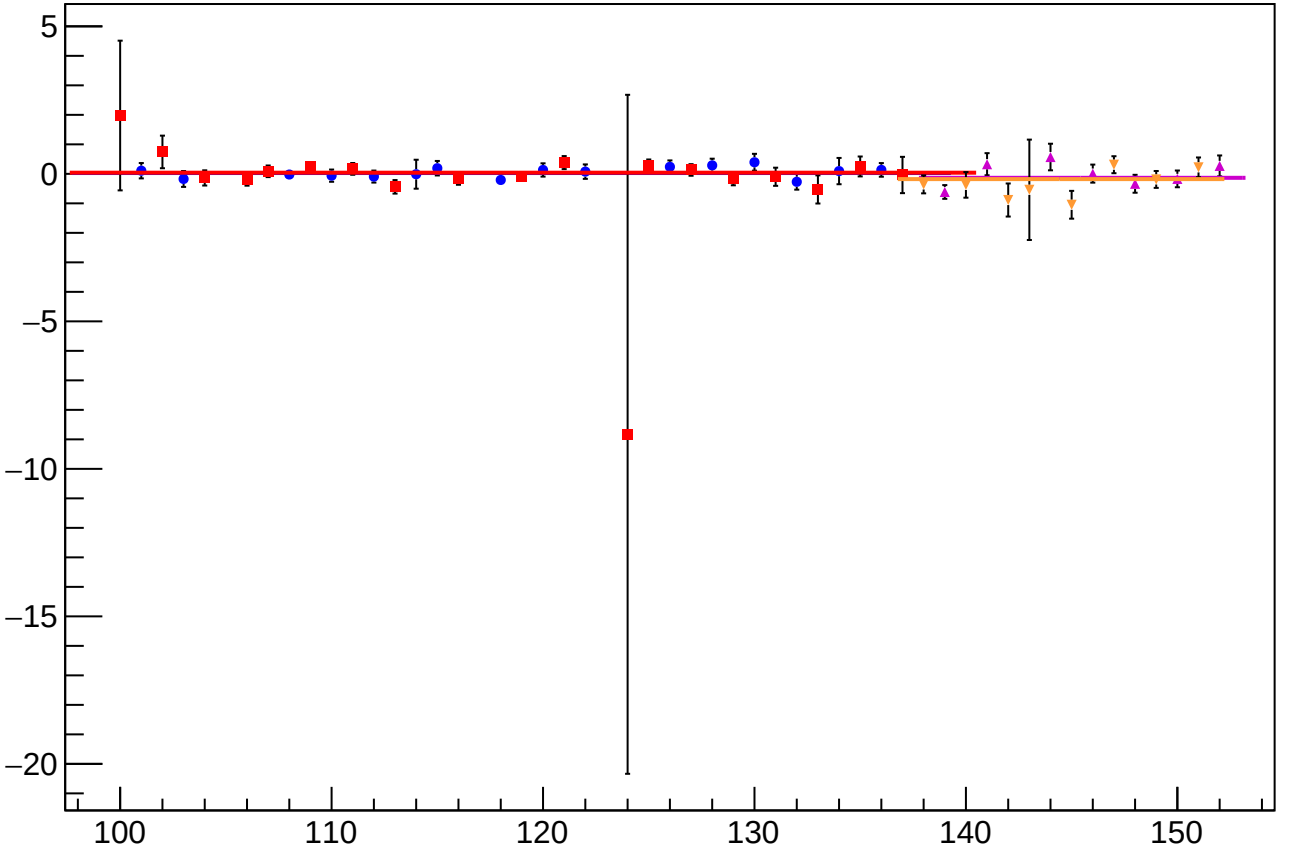
Left In: 0.005+/-0.000 χ^2/NDF:1642592.5/6

+ sign 0.006+/-0.000 χ^2/NDF: 6951953.1/23

All: 0.006+/-0.000 χ^2/NDF: 12742951.7/49

- sign 0.005+/-0.000 χ^2/NDF: 5788798.5/25

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: -0.178+/-0.132 χ^2/NDF:9.9/7

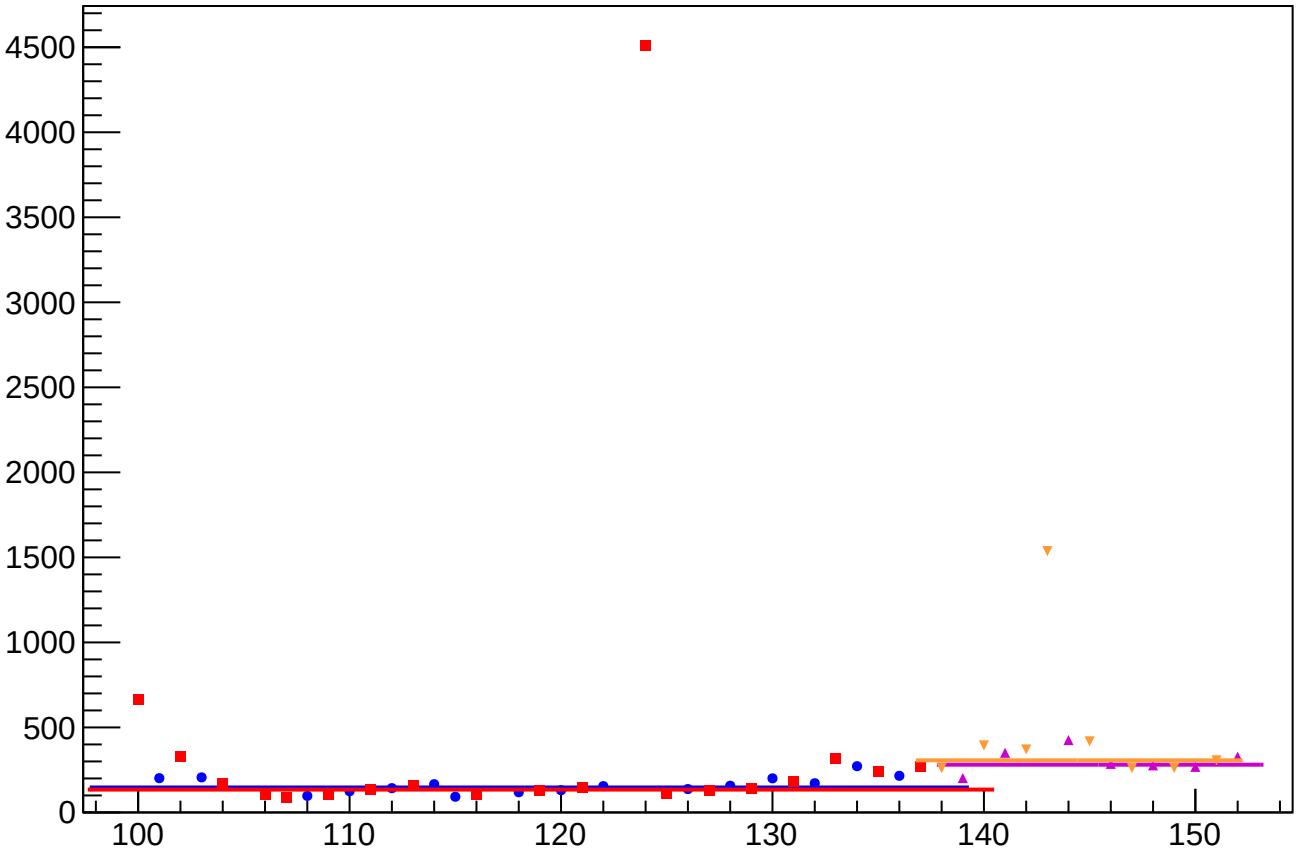
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: 0.002+/-0.036 χ^2/NDF: 53.4/49

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 306.410+/-0.093 χ^2/NDF:1411617.0/7

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

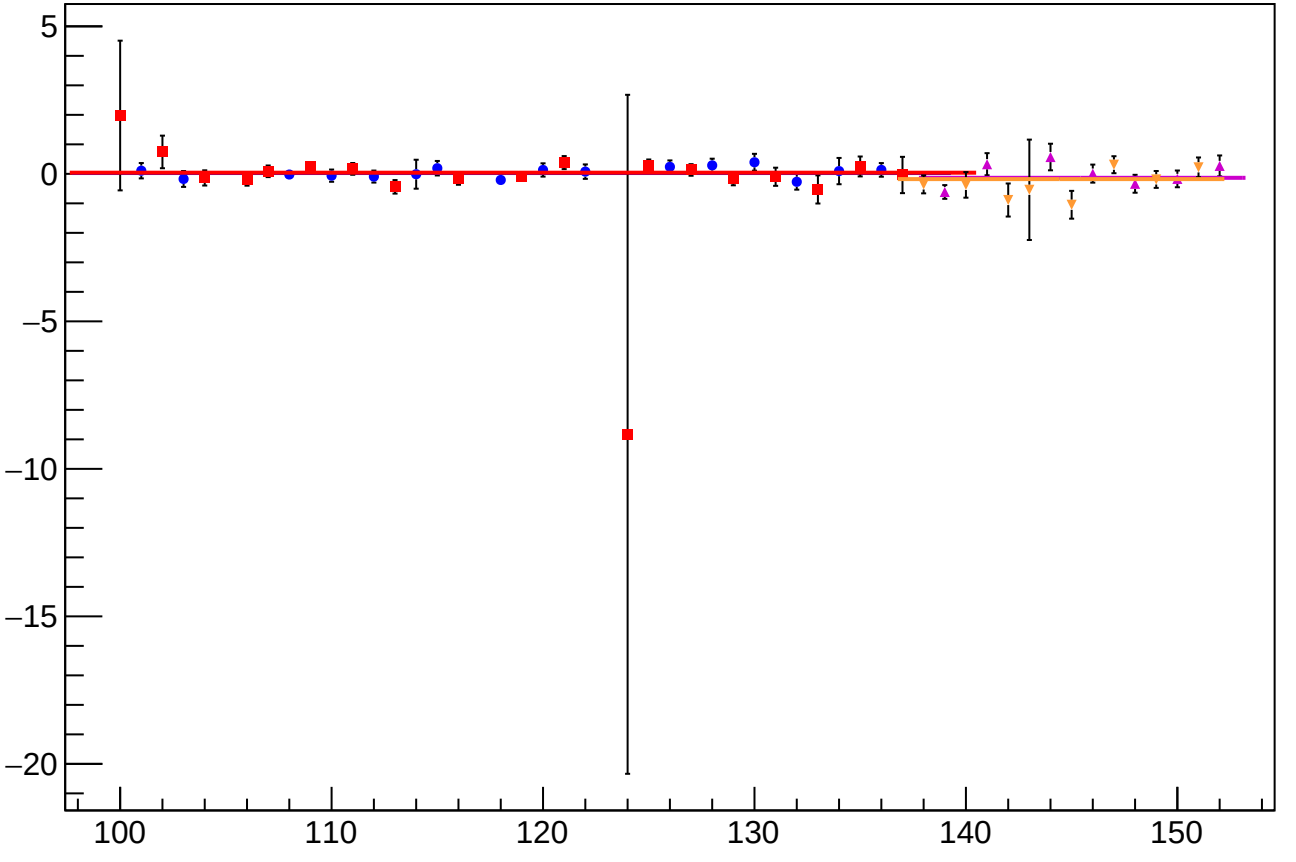
Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

+ sign 172.462+/-0.037 χ^2/NDF: 4867385.2/23

All: 166.189+/-0.026 χ^2/NDF: 9622098.8/49

- sign 160.656+/-0.035 χ^2/NDF: 4701709.0/25

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: -0.178+/-0.132 χ^2/NDF:9.9/7

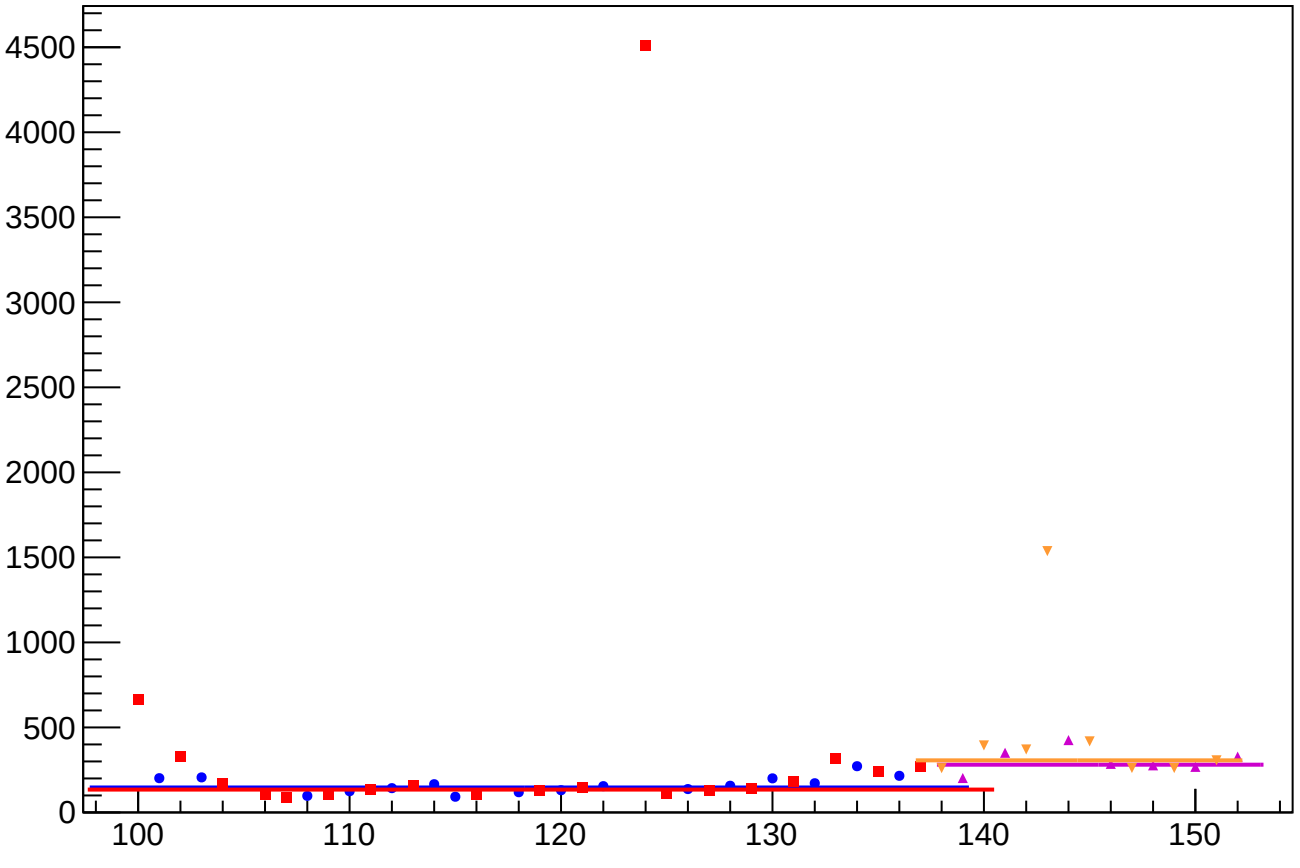
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: 0.002+/-0.036 χ^2/NDF: 53.4/49

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 306.410+/-0.093 χ^2/NDF:1411617.0/7

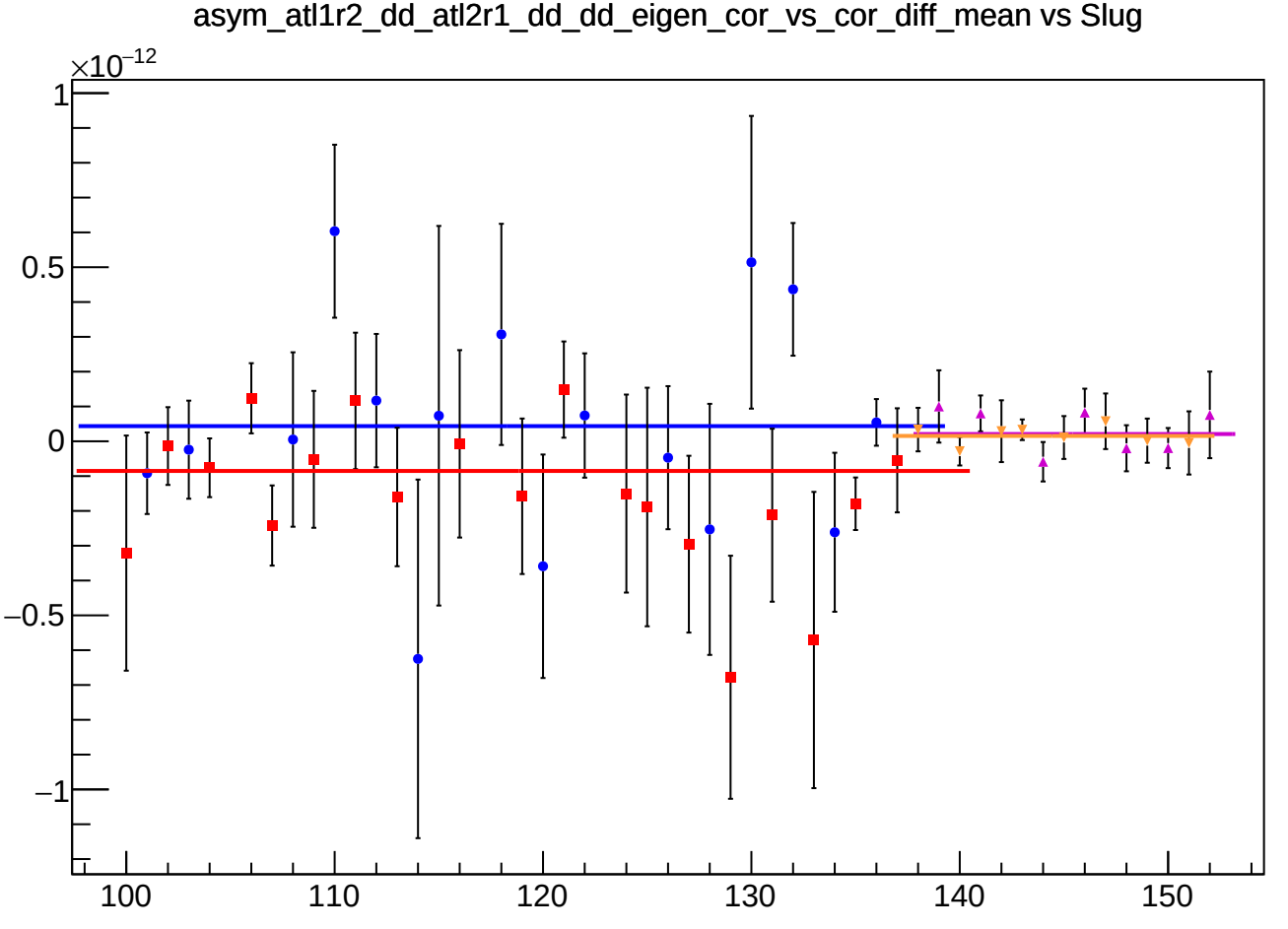
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

+ sign 172.462+/-0.037 χ^2/NDF: 4867385.2/23

All: 166.189+/-0.026 χ^2/NDF: 9622098.8/49

- sign 160.656+/-0.035 χ^2/NDF: 4701709.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/7

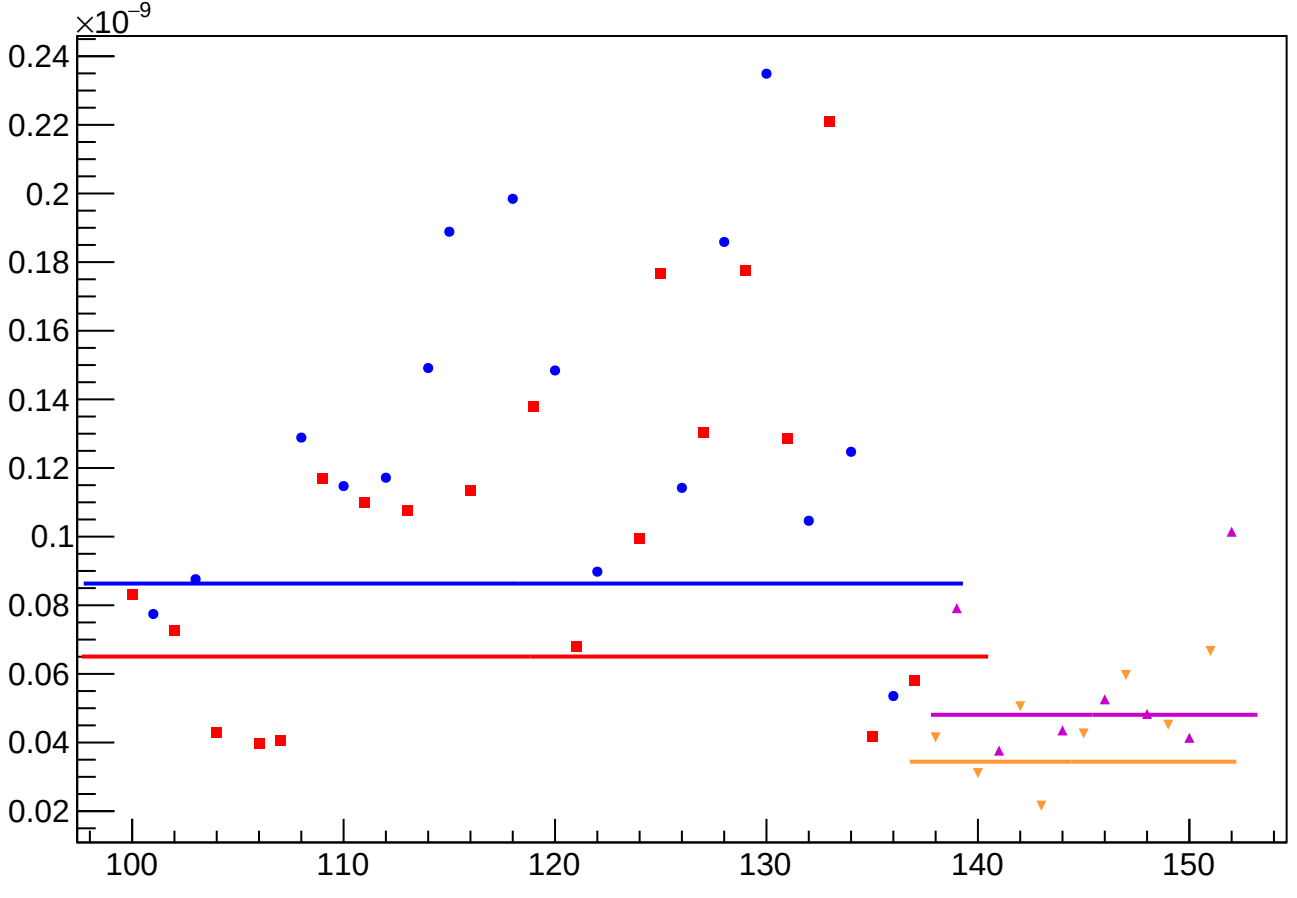
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/23

All: 0.000+/-0.000 χ^2/NDF: 53.4/49

- sign -0.000+/-0.000 χ^2/NDF: 30.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1026181.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

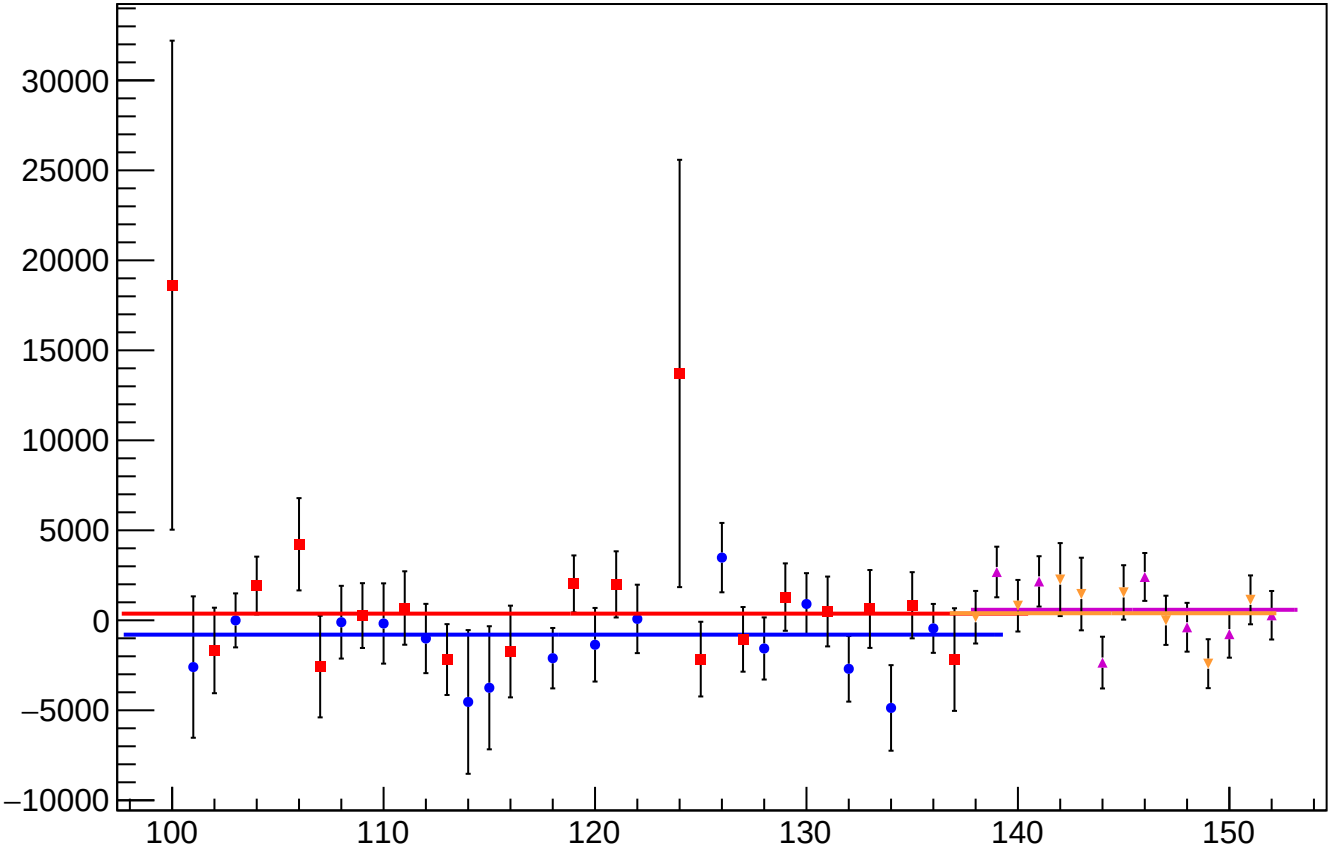
Left In: 0.000+/-0.000 χ^2/NDF:678131.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 5075363.8/23

All: 0.000+/-0.000 χ^2/NDF: 8602072.4/49

- sign 0.000+/-0.000 χ^2/NDF: 3156692.4/25

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 392.348+/-534.468 χ^2/NDF:6.5/7

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

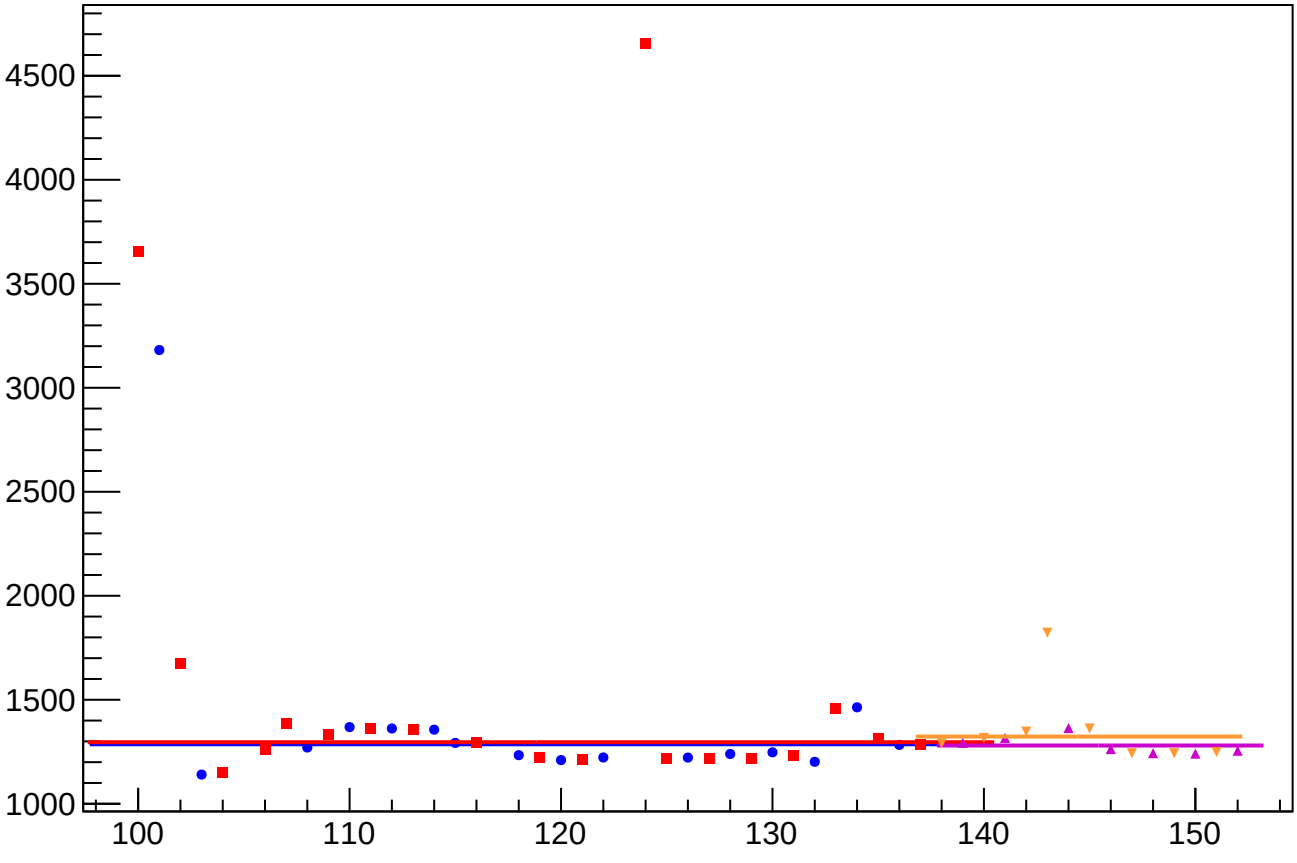
Left In: 583.590+/-516.914 χ^2/NDF:11.2/6

+ sign -257.083+/-360.158 χ^2/NDF: 22.6/23

All: 112.810+/-252.469 χ^2/NDF: 51.5/49

- sign 470.185+/-354.011 χ^2/NDF: 26.9/25

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

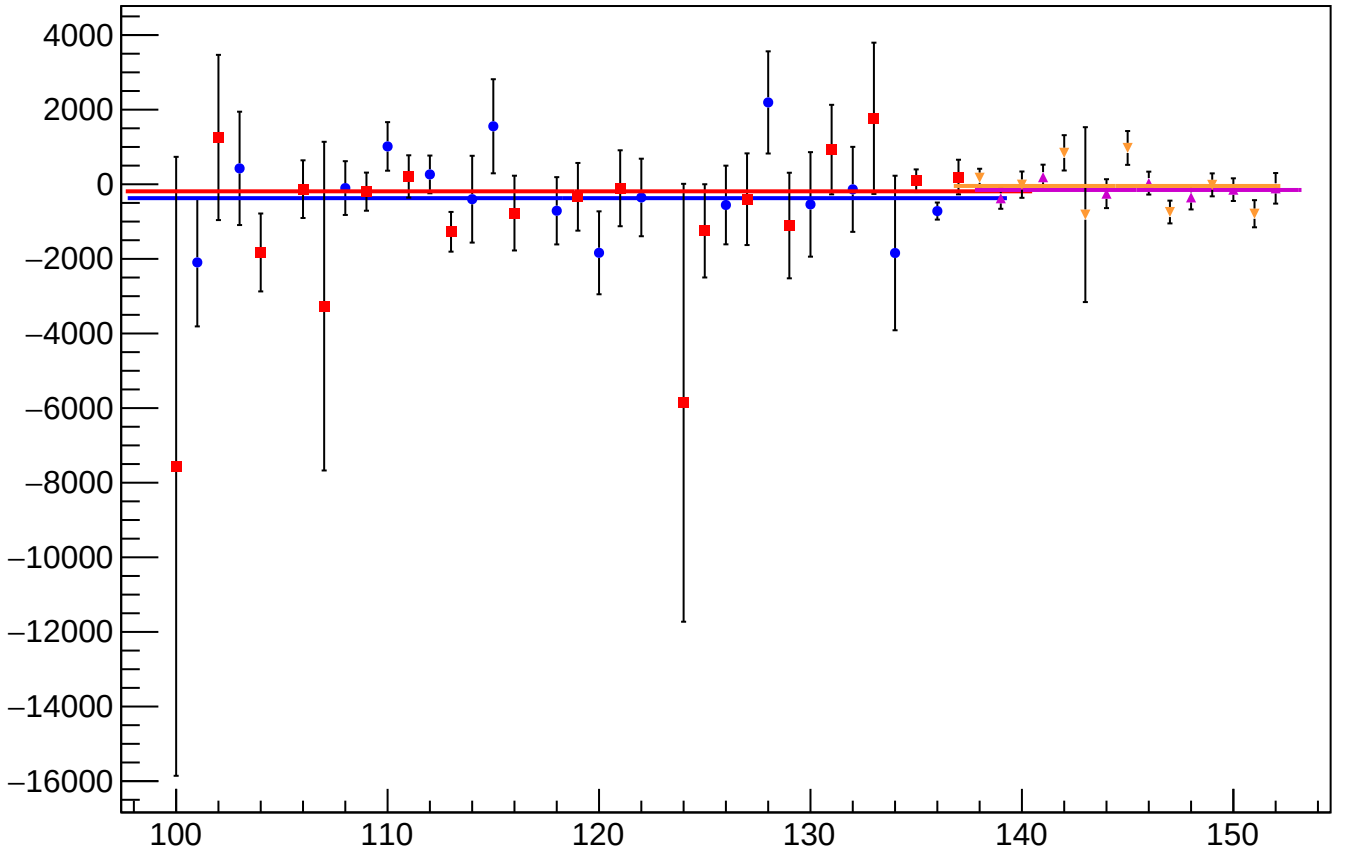
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

+ sign 1302.934+/-0.255 χ^2/NDF: 668397.1/23

All: 1295.597+/-0.179 χ^2/NDF: 1011732.6/49

- sign 1288.509+/-0.250 χ^2/NDF: 341703.9/25



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -45.144+/-125.463 χ^2/NDF:18.9/7

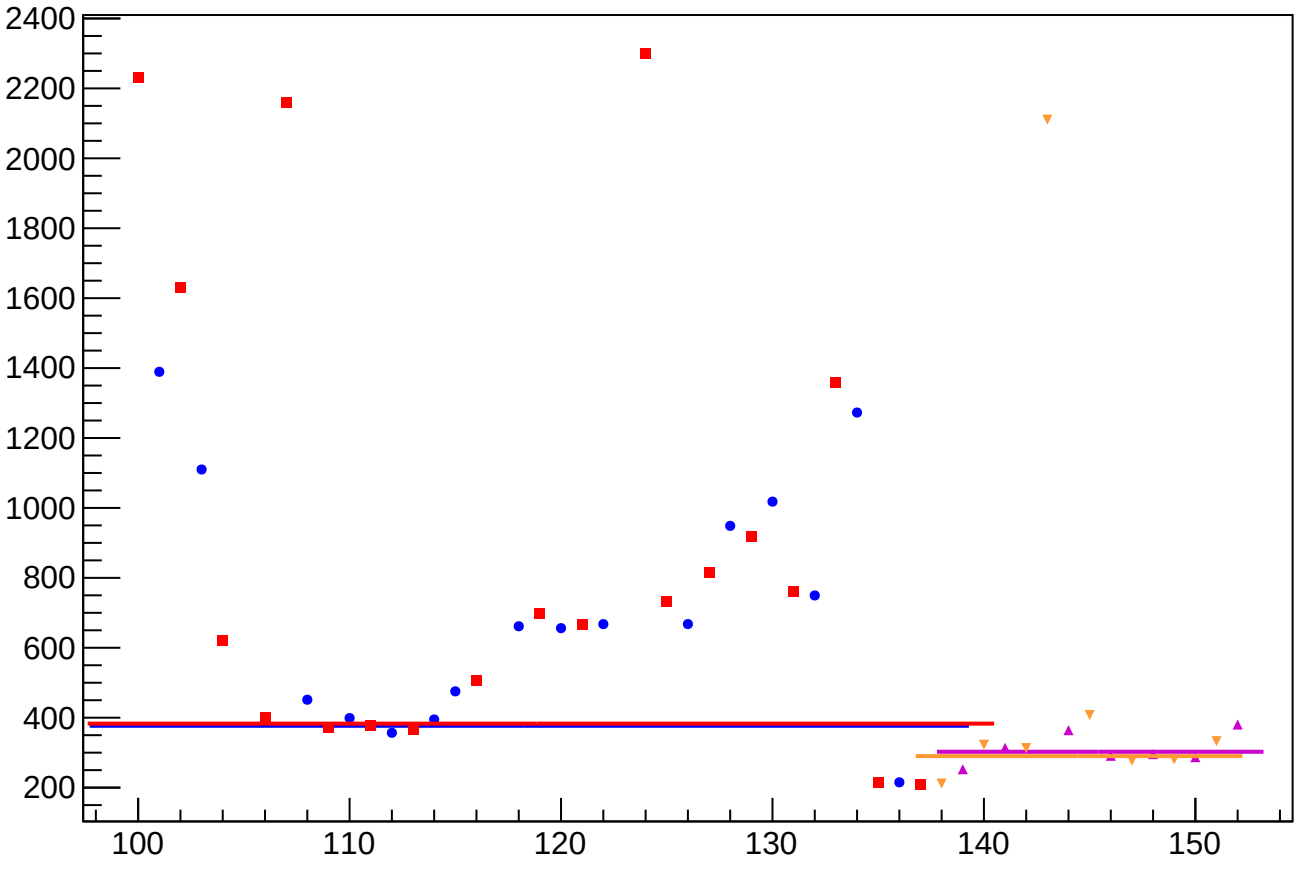
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -152.828+/-123.979 χ^2/NDF:2.5/6

+ sign -162.104+/-100.568 χ^2/NDF: 39.5/23

All: -163.764+/-70.940 χ^2/NDF: 56.7/49

- sign -165.409+/-100.083 χ^2/NDF: 17.2/25



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 290.119+/-0.089 χ^2/NDF:1606586.2/7

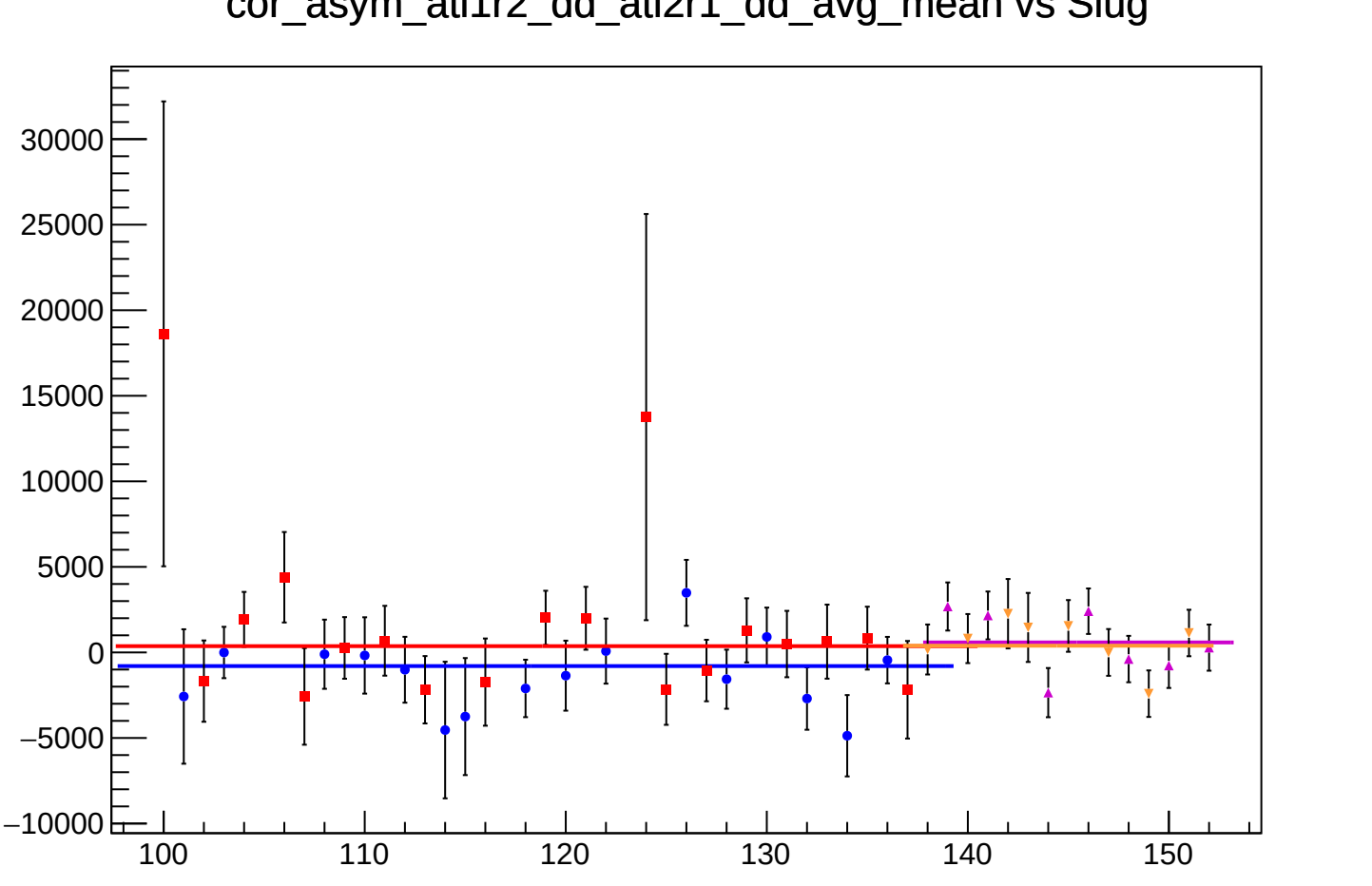
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 302.561+/-0.088 χ^2/NDF:196714.5/6

+ sign 321.139+/-0.071 χ^2/NDF: 6138774.8/23

All: 325.895+/-0.050 χ^2/NDF: 10692324.1/49

- sign 330.606+/-0.071 χ^2/NDF: 4544644.4/25



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 392.327+/-534.468 χ^2/NDF:6.5/7

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

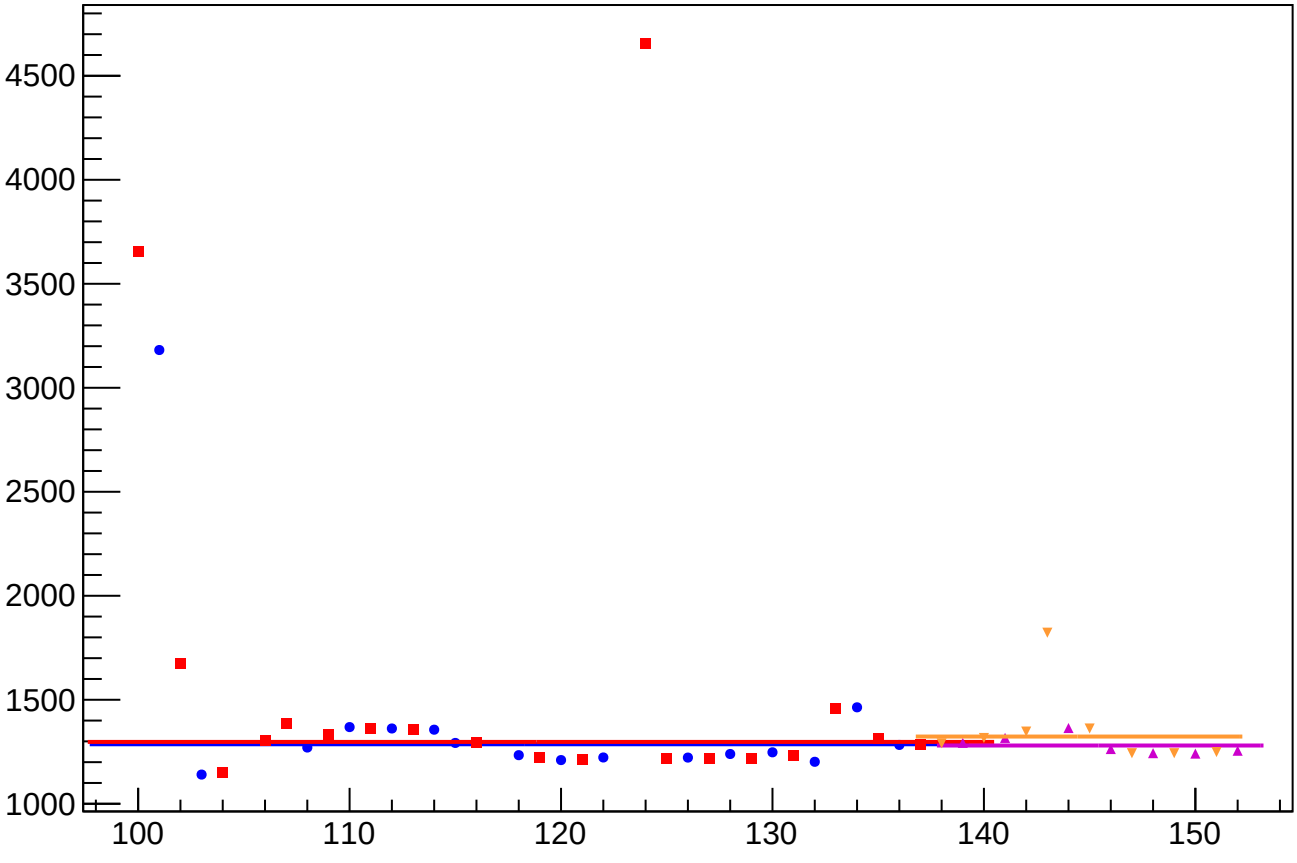
Left In: 583.580+/-516.914 χ^2/NDF:11.2/6

+ sign -256.873+/-360.158 χ^2/NDF: 22.6/23

All: 112.078+/-252.542 χ^2/NDF: 51.6/49

- sign 468.950+/-354.213 χ^2/NDF: 26.9/25

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

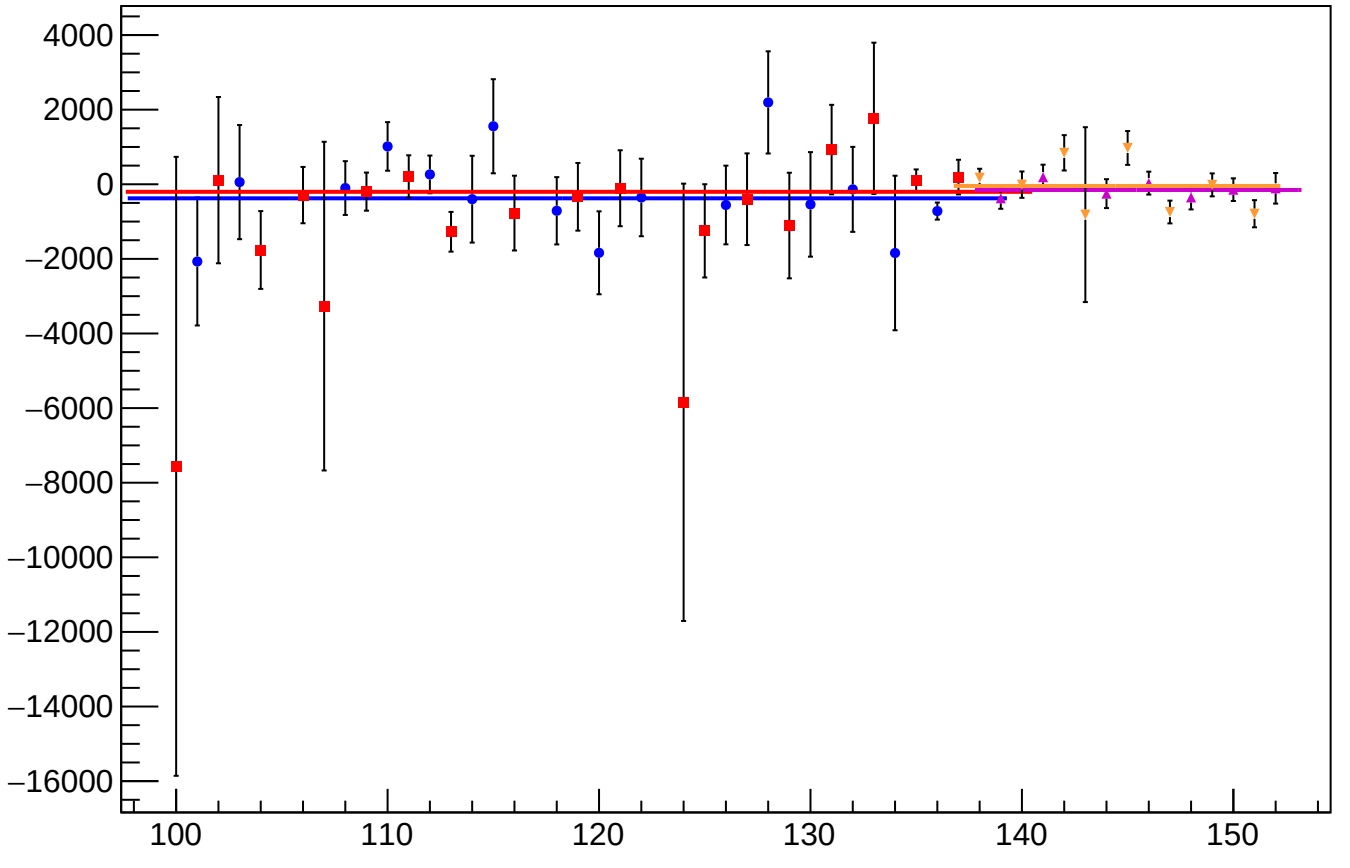
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

+ sign 1302.934+/-0.255 χ^2/NDF: 668398.6/23

All: 1295.988+/-0.179 χ^2/NDF: 1011427.4/49

- sign 1289.270+/-0.250 χ^2/NDF: 341565.6/25



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -45.186+/-125.467 χ^2/NDF:18.9/7

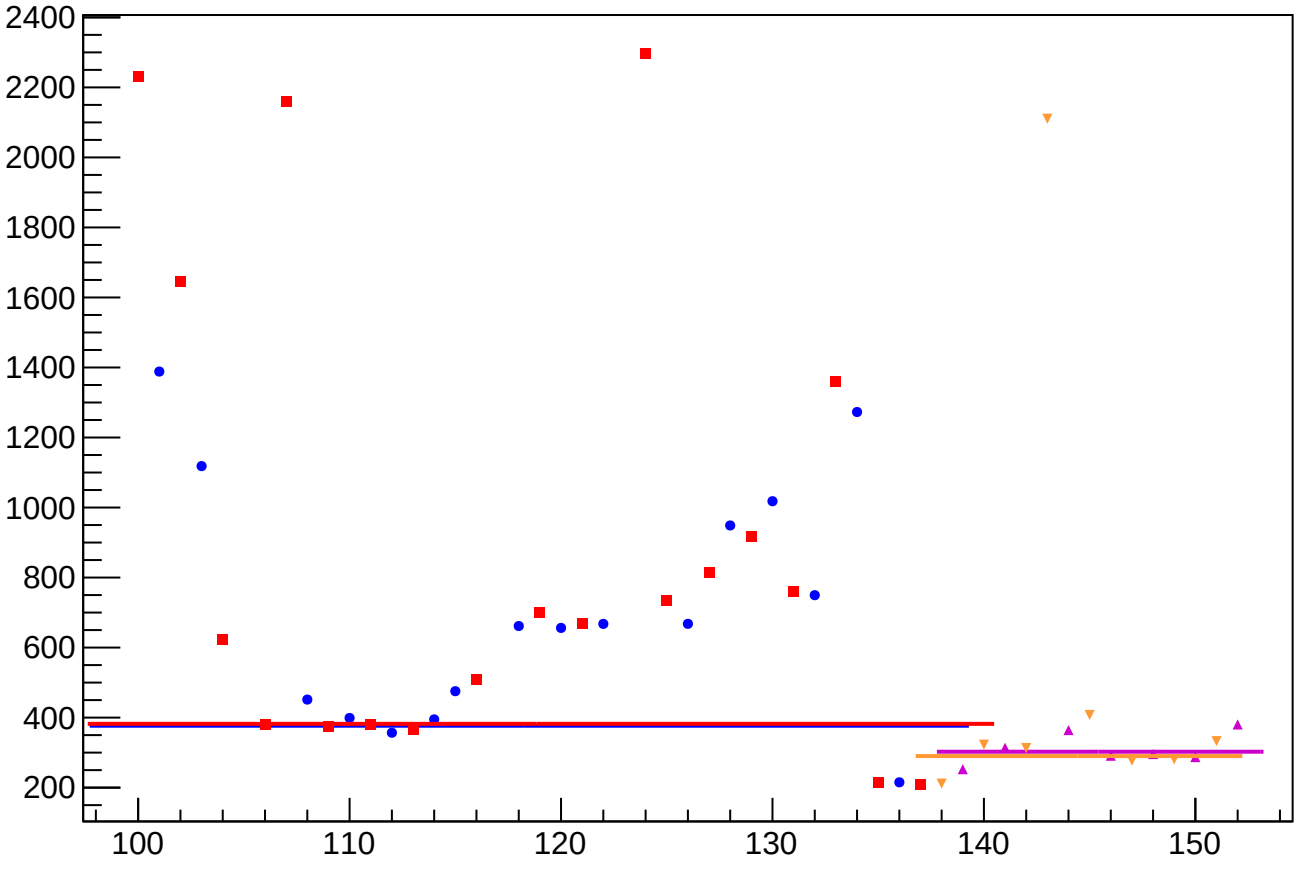
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -152.851+/-123.978 χ^2/NDF:2.5/6

+ sign -163.707+/-100.574 χ^2/NDF: 39.4/23

All: -166.894+/-70.928 χ^2/NDF: 55.9/49

- sign -170.048+/-100.042 χ^2/NDF: 16.6/25



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 290.130+/-0.089 χ^2/NDF:1606585.3/7

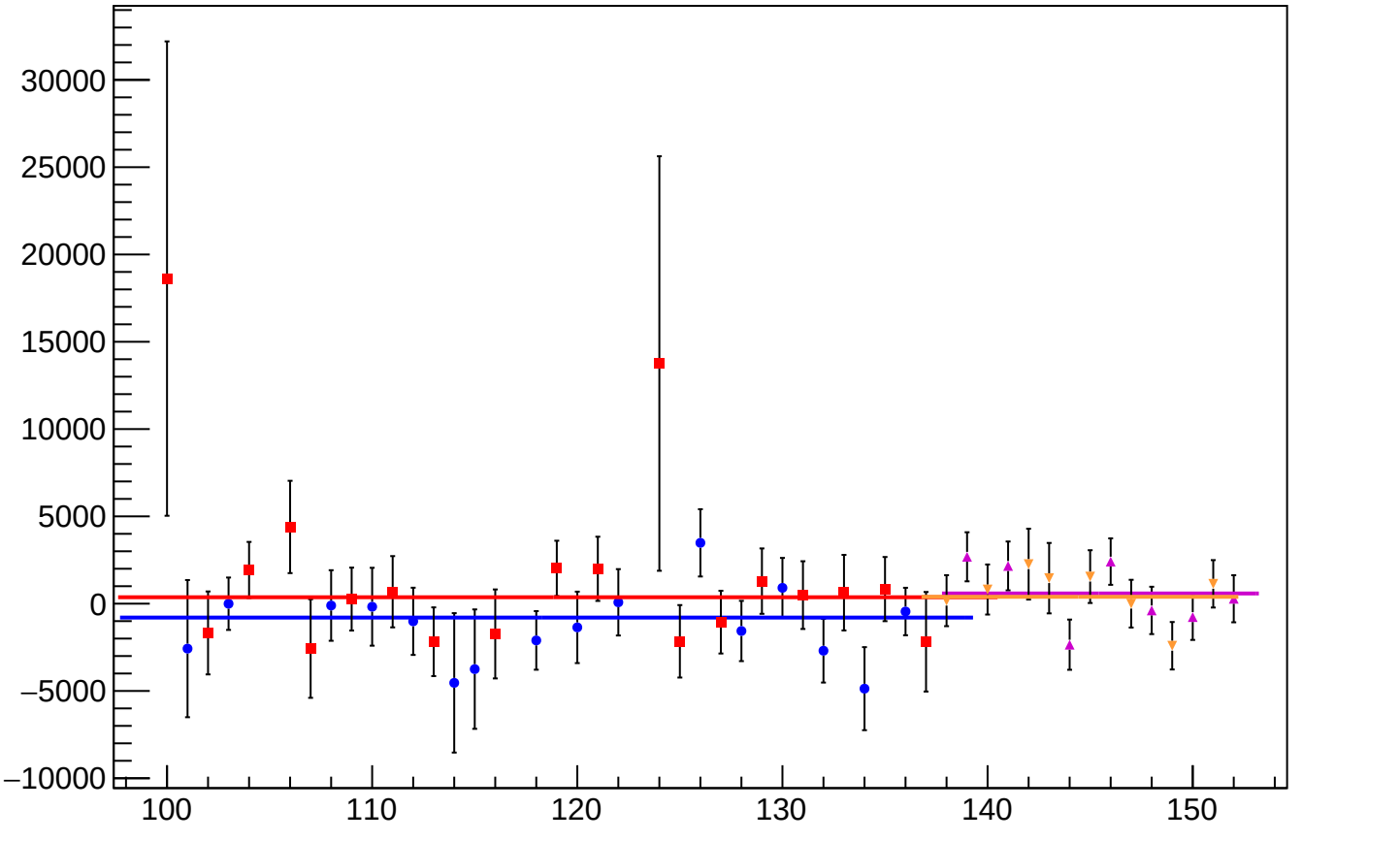
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 302.558+/-0.088 χ^2/NDF:196709.3/6

+ sign 321.139+/-0.071 χ^2/NDF: 6141695.6/23

All: 325.754+/-0.050 χ^2/NDF: 10693843.0/49

- sign 330.320+/-0.071 χ^2/NDF: 4543771.1/25



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 392.327+/-534.468 χ^2/NDF:6.5/7

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

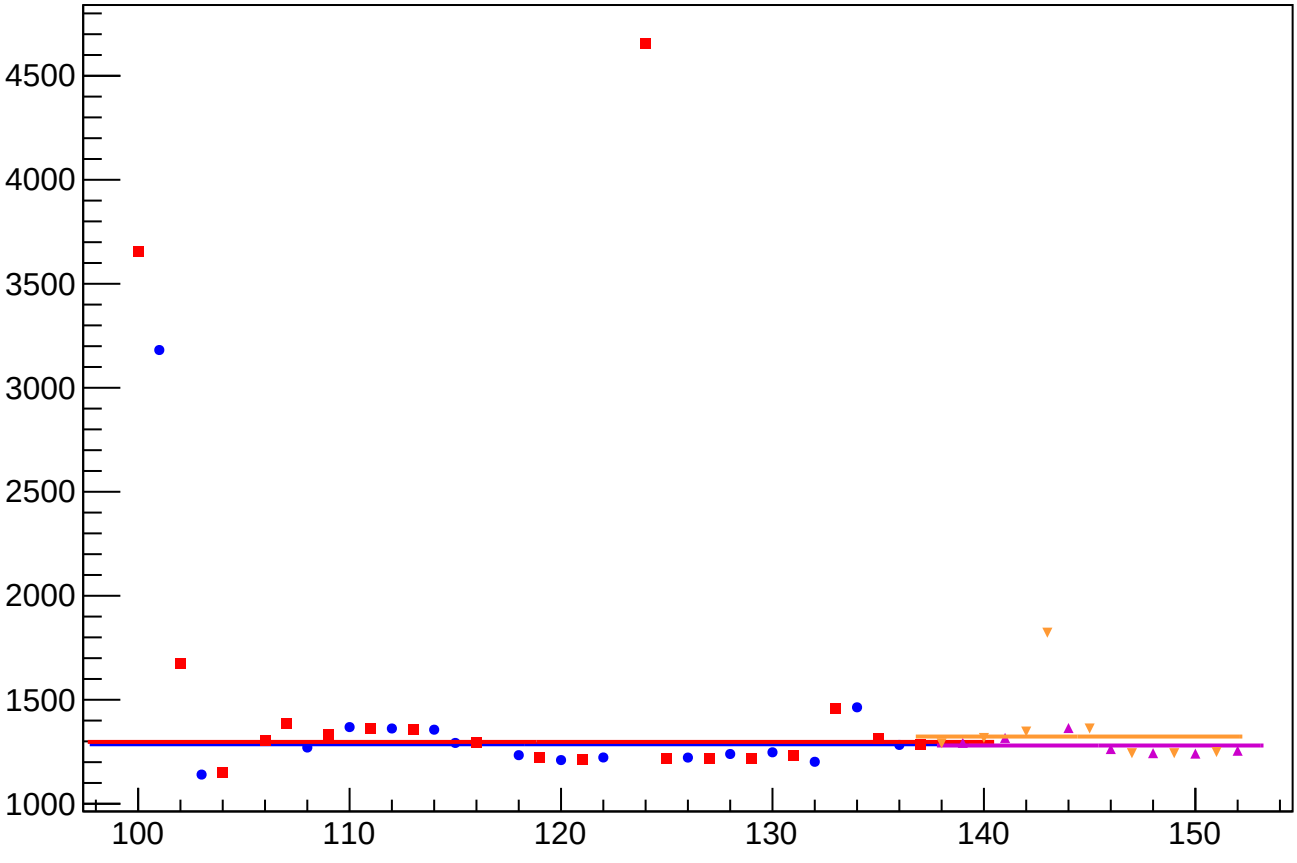
Left In: 583.580+/-516.914 χ^2/NDF:11.2/6

+ sign -256.873+/-360.158 χ^2/NDF: 22.6/23

All: 112.078+/-252.542 χ^2/NDF: 51.6/49

- sign 468.950+/-354.213 χ^2/NDF: 26.9/25

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: 1323.175+/-0.378 χ^2/NDF:145015.8/7

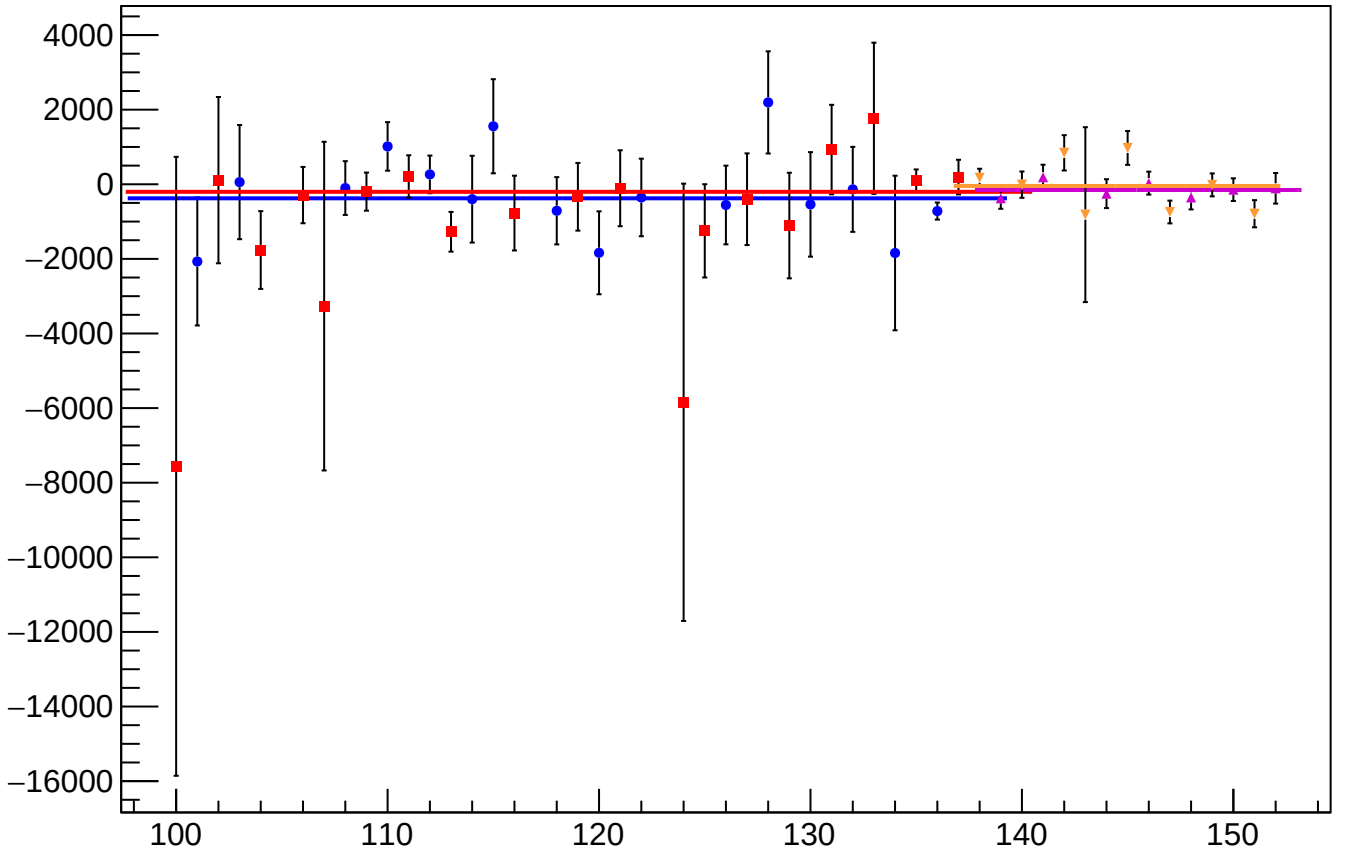
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

+ sign 1302.934+/-0.255 χ^2/NDF: 668398.6/23

All: 1295.988+/-0.179 χ^2/NDF: 1011427.4/49

- sign 1289.270+/-0.250 χ^2/NDF: 341565.6/25



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -45.186+/-125.467 χ^2/NDF:18.9/7

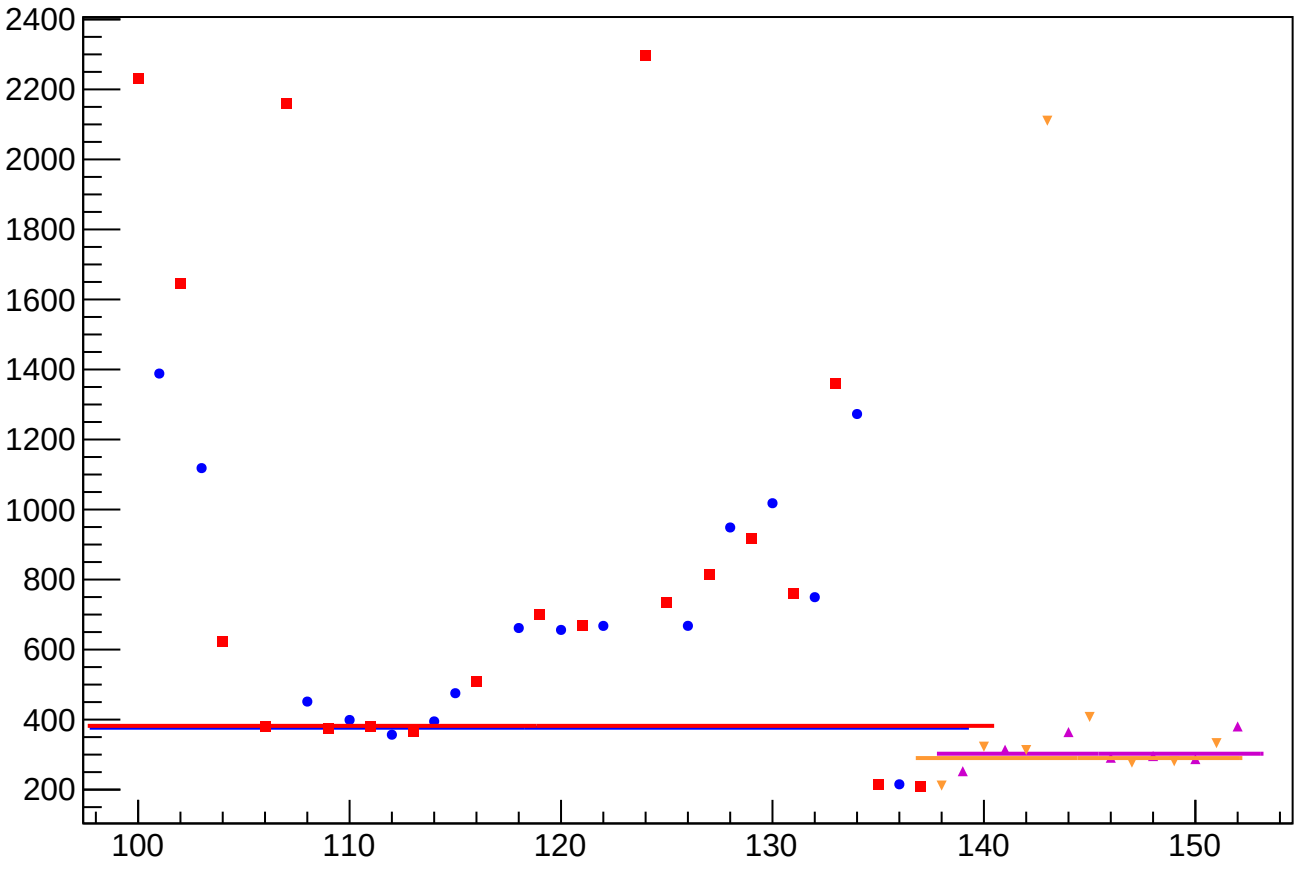
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -152.851+/-123.978 χ^2/NDF:2.5/6

+ sign -163.707+/-100.574 χ^2/NDF: 39.4/23

All: -166.894+/-70.928 χ^2/NDF: 55.9/49

- sign -170.048+/-100.042 χ^2/NDF: 16.6/25



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 290.130+/-0.089 χ^2/NDF:1606585.3/7

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

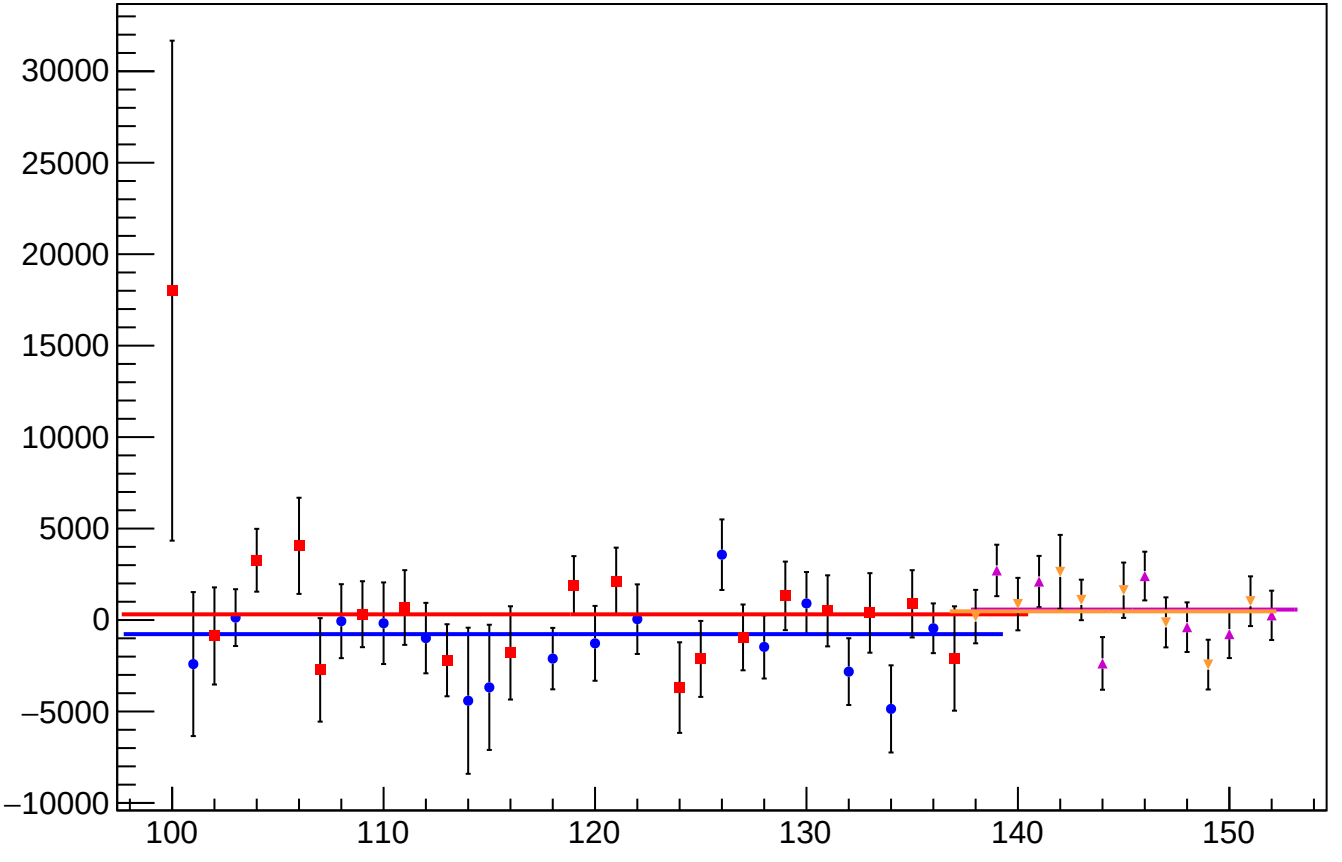
Left In: 302.558+/-0.088 χ^2/NDF:196709.3/6

+ sign 321.139+/-0.071 χ^2/NDF: 6141695.6/23

All: 325.754+/-0.050 χ^2/NDF: 10693843.0/49

- sign 330.320+/-0.071 χ^2/NDF: 4543771.1/25

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 475.610+/-495.763 χ^2/NDF:7.1/7

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

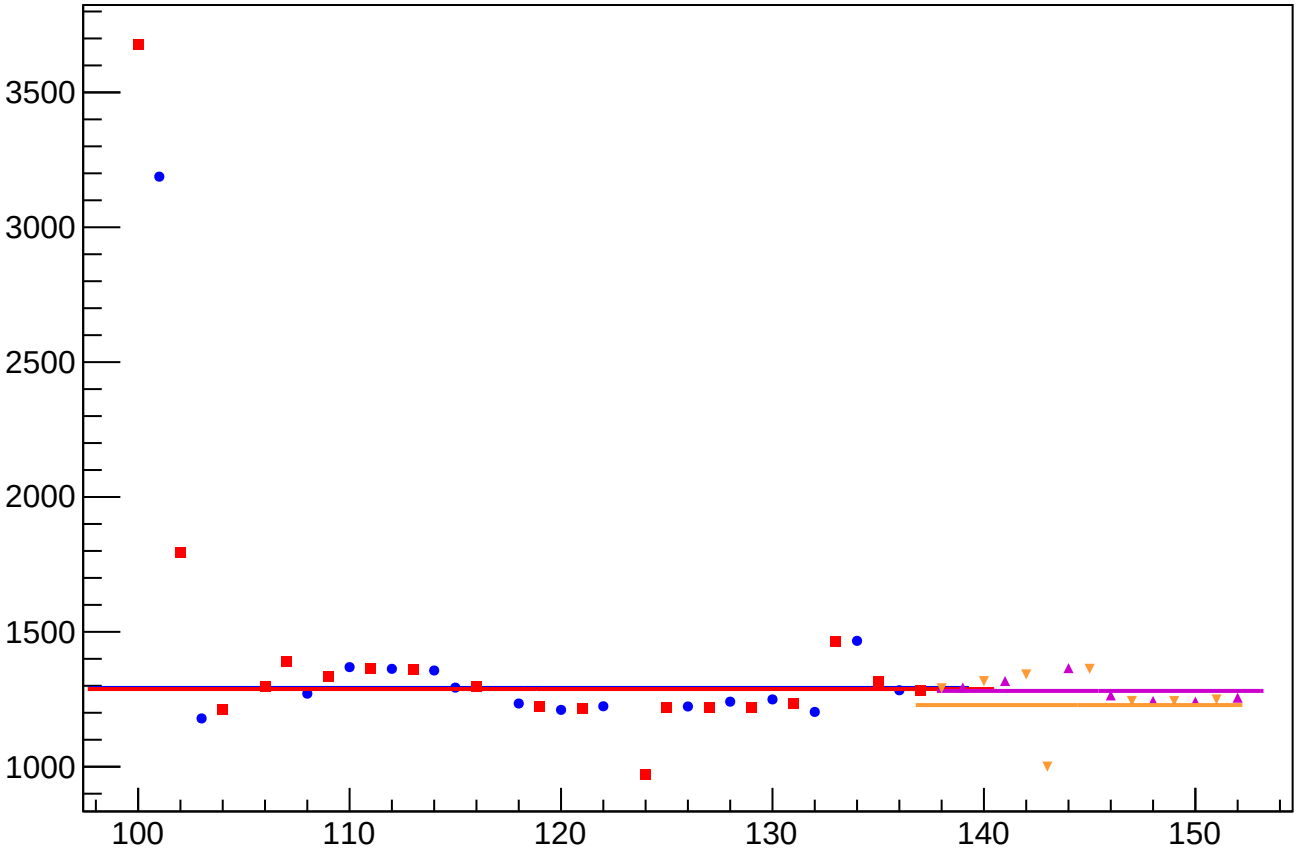
Left In: 571.168+/-517.296 χ^2/NDF:11.2/6

+ sign -155.741+/-348.359 χ^2/NDF: 23.9/23

All: 134.477+/-247.915 χ^2/NDF: 54.6/49

- sign 432.302+/-352.895 χ^2/NDF: 29.3/25

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1228.585+/-0.351 χ^2/NDF:119342.2/7

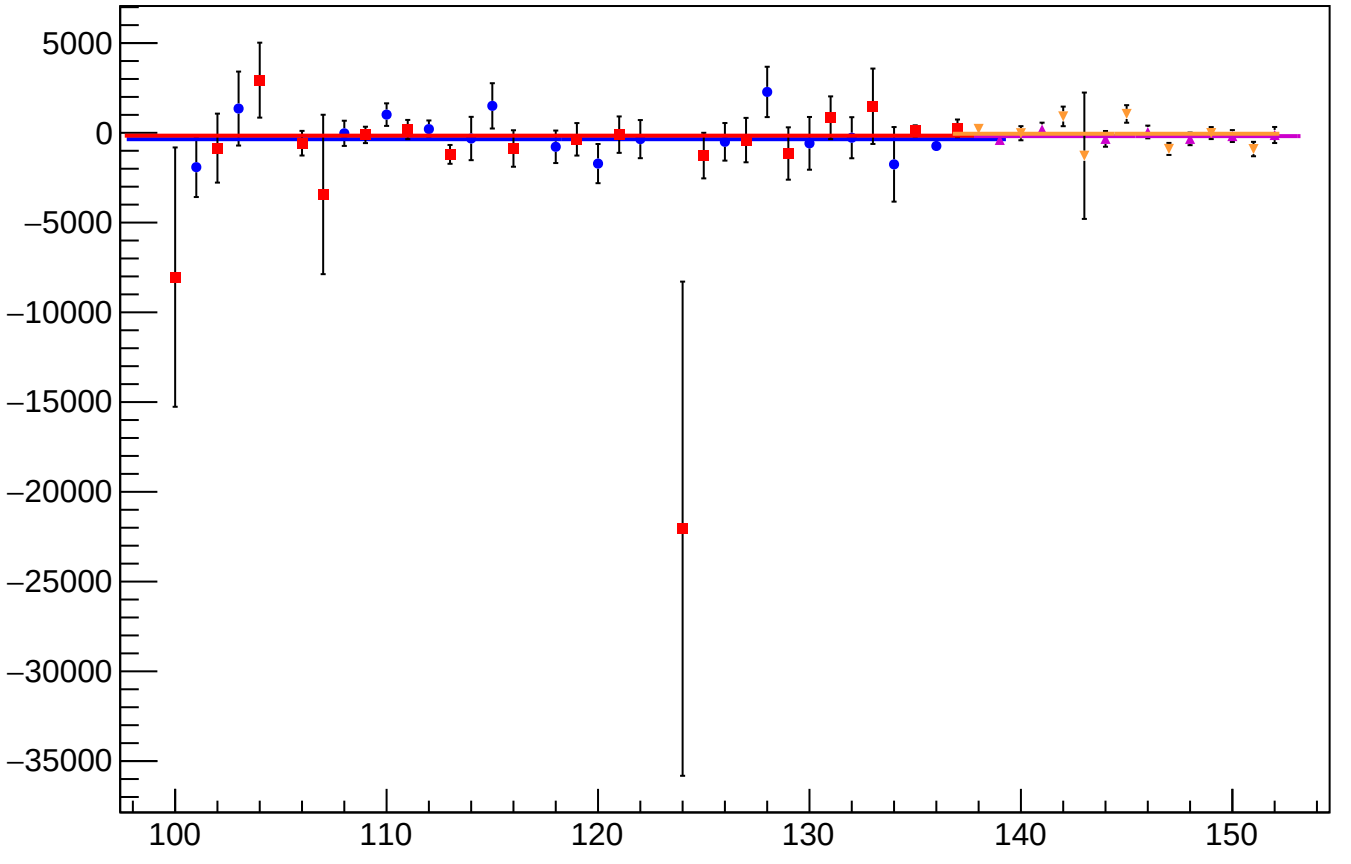
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1281.030+/-0.366 χ^2/NDF:12720.2/6

+ sign 1260.708+/-0.246 χ^2/NDF: 645334.6/23

All: 1272.574+/-0.175 χ^2/NDF: 872158.4/49

- sign 1284.750+/-0.250 χ^2/NDF: 222122.5/25



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -51.724+/-134.871 χ^2/NDF:20.5/7

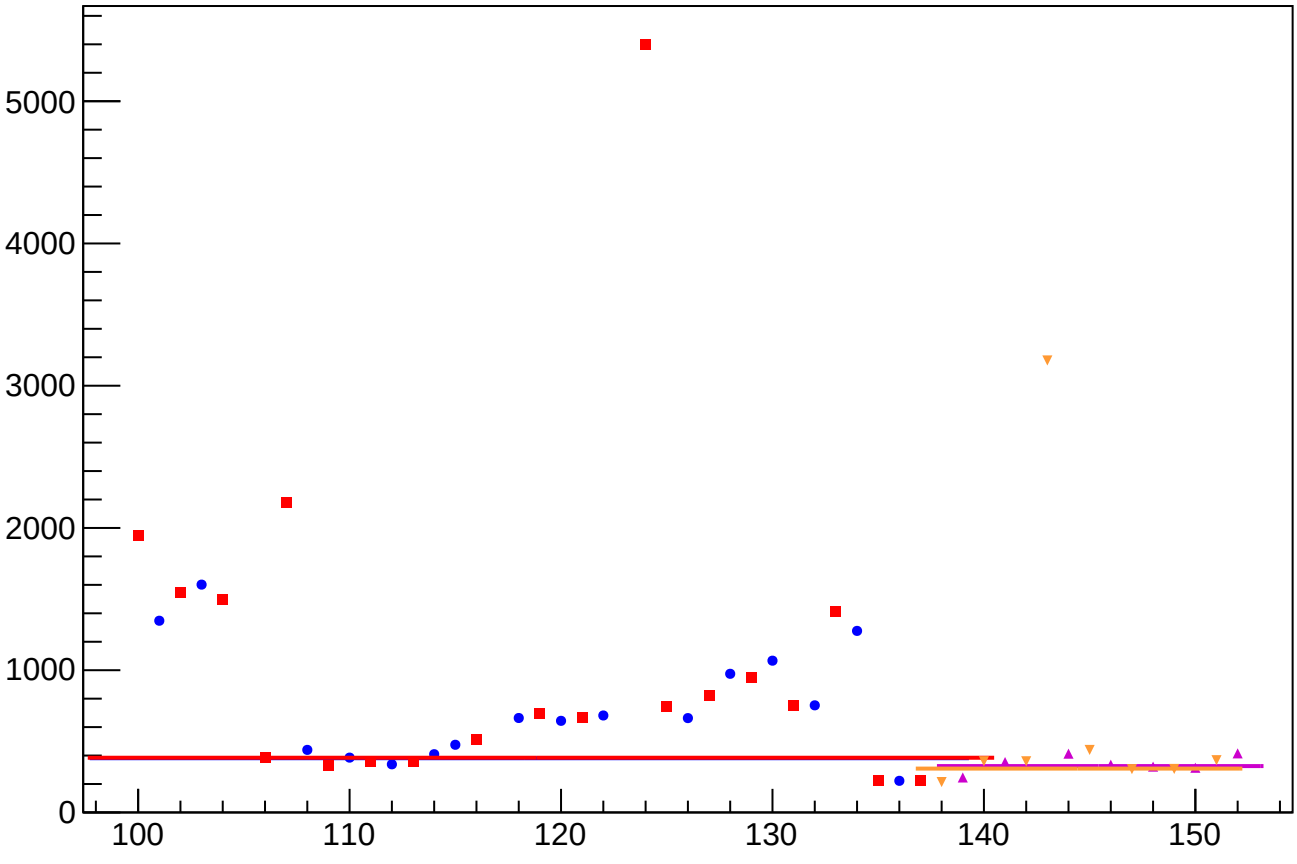
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -183.633+/-134.428 χ^2/NDF:2.3/6

+ sign -168.987+/-105.651 χ^2/NDF: 40.9/23

All: -171.359+/-74.605 χ^2/NDF: 59.0/49

- sign -173.718+/-105.364 χ^2/NDF: 18.2/25



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 308.361+/-0.095 χ^2/NDF:1870928.1/7

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

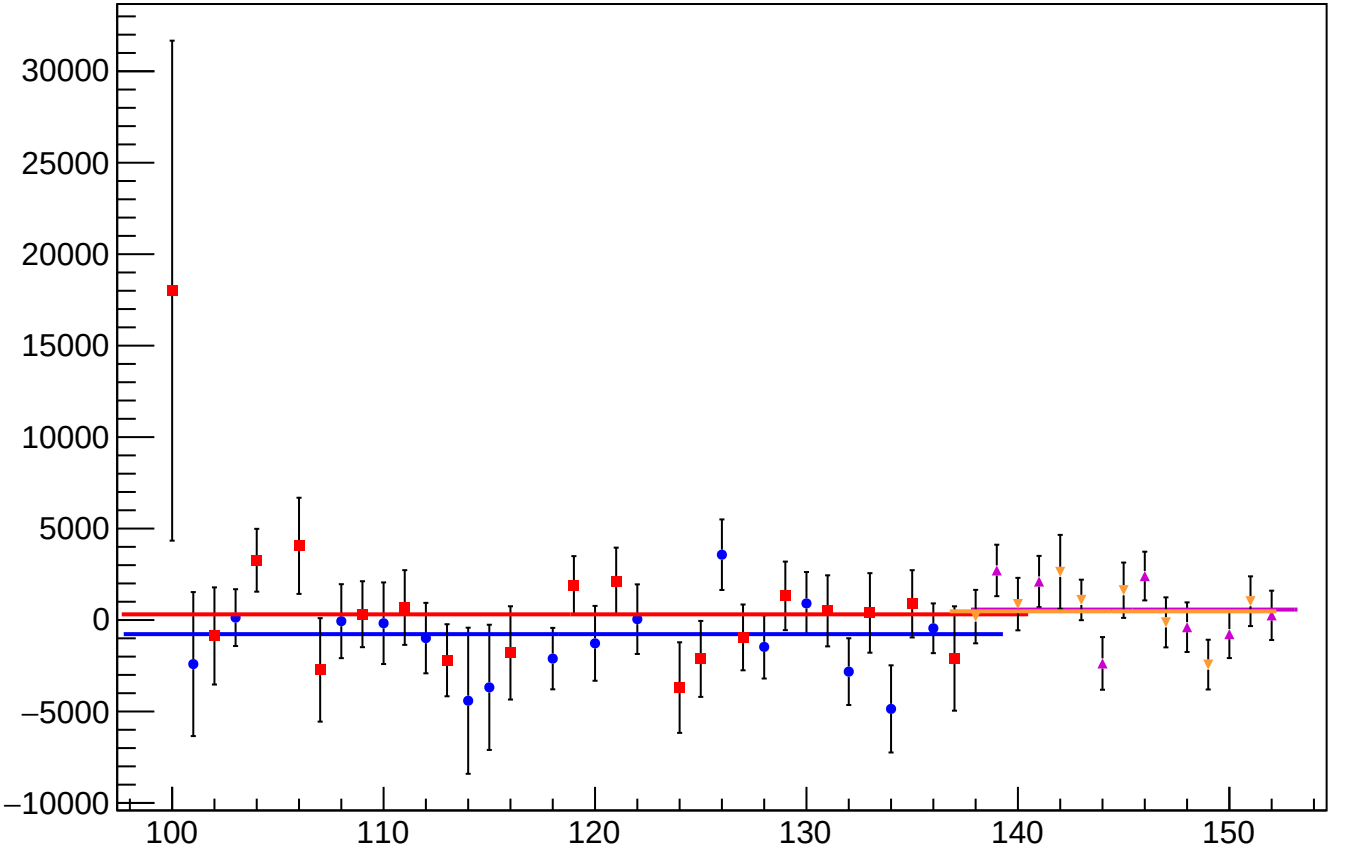
Left In: 325.974+/-0.095 χ^2/NDF:341981.8/6

+ sign 336.561+/-0.075 χ^2/NDF: 6415156.8/23

All: 342.598+/-0.053 χ^2/NDF: 11477330.4/49

- sign 348.603+/-0.075 χ^2/NDF: 5049147.0/25

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 475.610+/-495.763 χ^2/NDF:7.1/7

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

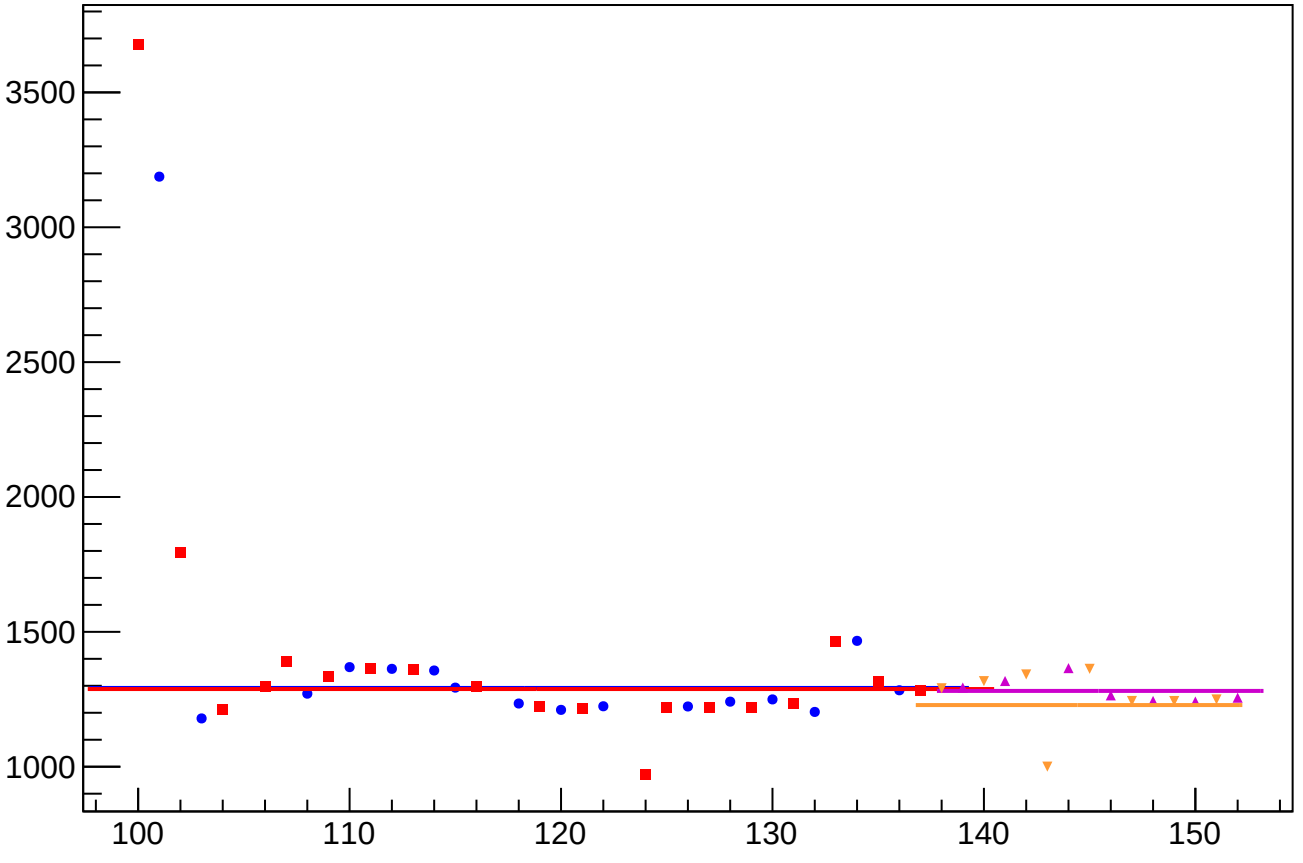
Left In: 571.165+/-517.296 χ^2/NDF:11.2/6

+ sign -155.743+/-348.359 χ^2/NDF: 23.9/23

All: 134.476+/-247.915 χ^2/NDF: 54.6/49

- sign 432.301+/-352.895 χ^2/NDF: 29.3/25

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: 1228.586+/-0.351 χ^2/NDF:119341.5/7

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

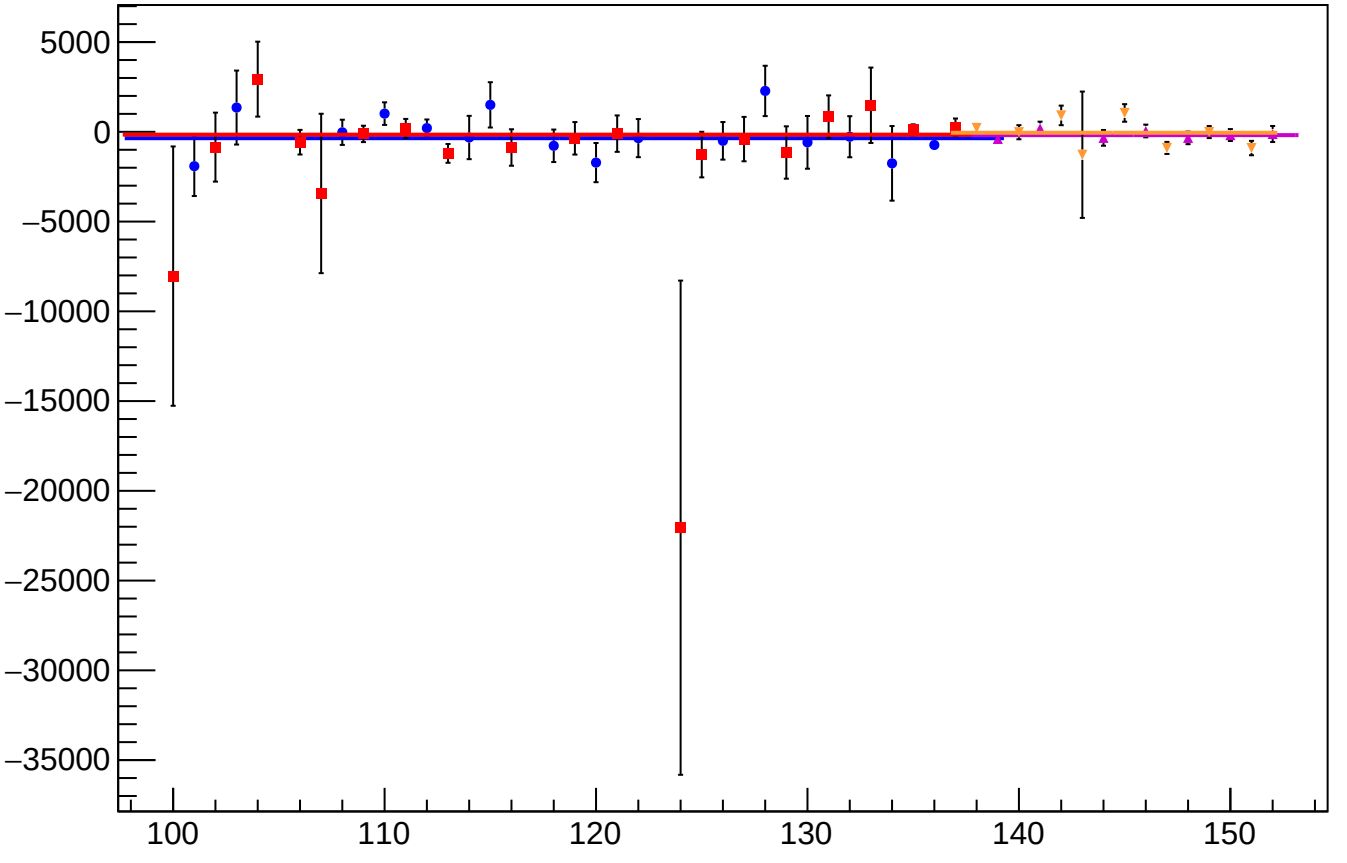
Left In: 1281.030+/-0.366 χ^2/NDF:12720.3/6

+ sign 1260.709+/-0.246 χ^2/NDF: 645333.7/23

All: 1272.574+/-0.175 χ^2/NDF: 872157.7/49

- sign 1284.750+/-0.250 χ^2/NDF: 222122.8/25

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -51.734+/-134.873 χ^2/NDF:20.5/7

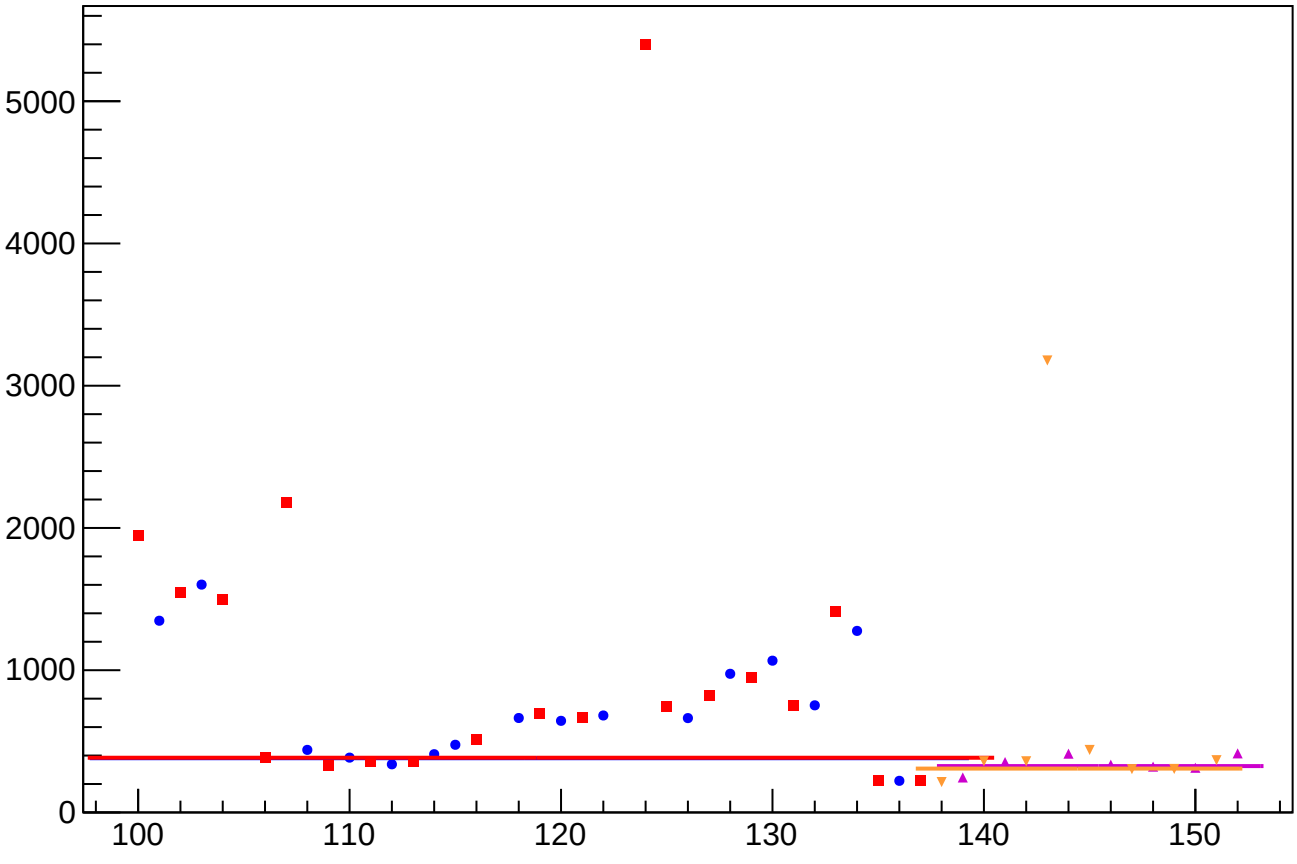
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -183.634+/-134.429 χ^2/NDF:2.3/6

+ sign -168.993+/-105.653 χ^2/NDF: 40.9/23

All: -171.364+/-74.606 χ^2/NDF: 59.0/49

- sign -173.721+/-105.365 χ^2/NDF: 18.2/25



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 308.368+/-0.095 χ^2/NDF:1870813.5/7

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

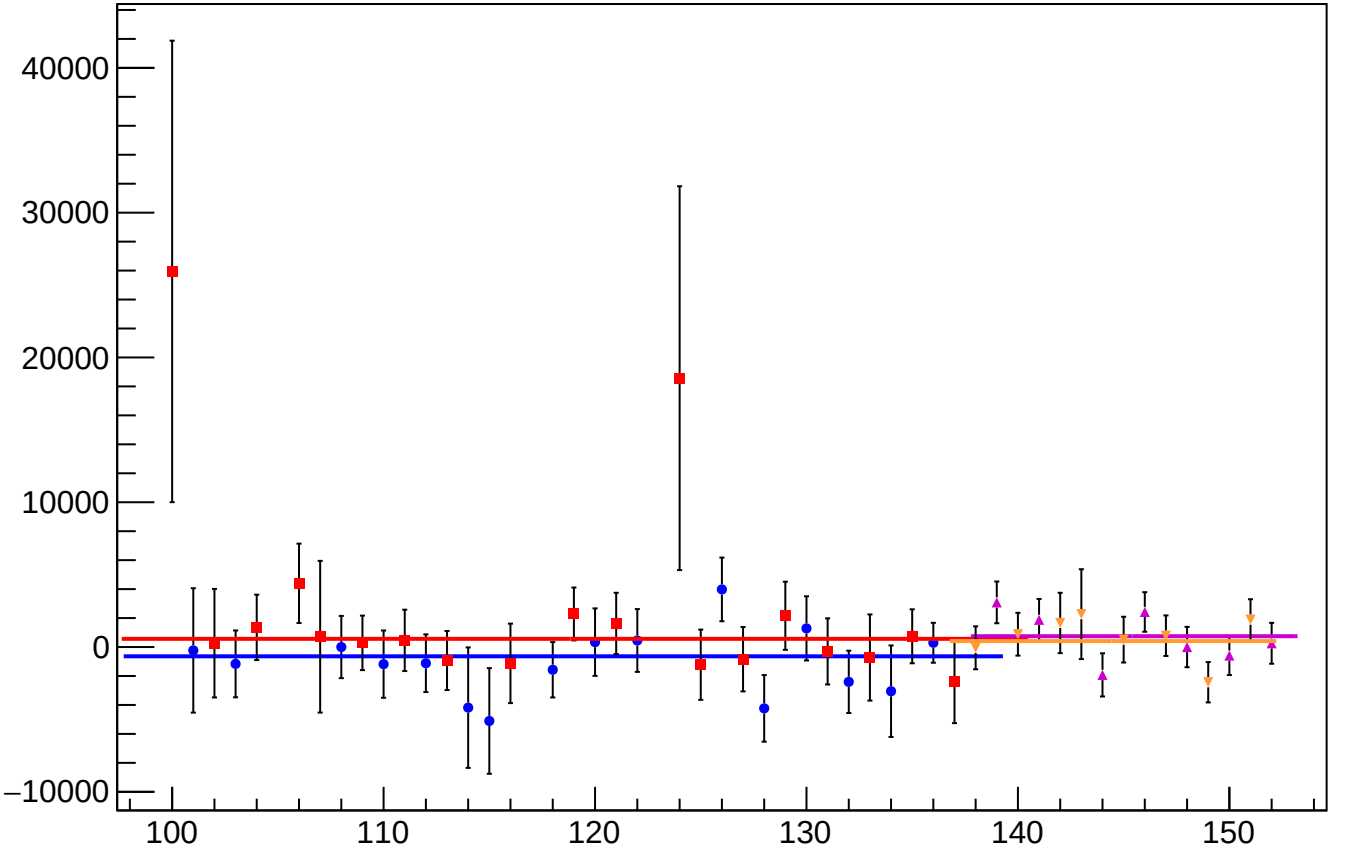
Left In: 325.979+/-0.095 χ^2/NDF:341907.6/6

+ sign 336.570+/-0.075 χ^2/NDF: 6414865.7/23

All: 342.606+/-0.053 χ^2/NDF: 11476829.3/49

- sign 348.609+/-0.075 χ^2/NDF: 5048942.3/25

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 411.687+/-561.099 χ^2/NDF:6.3/7

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

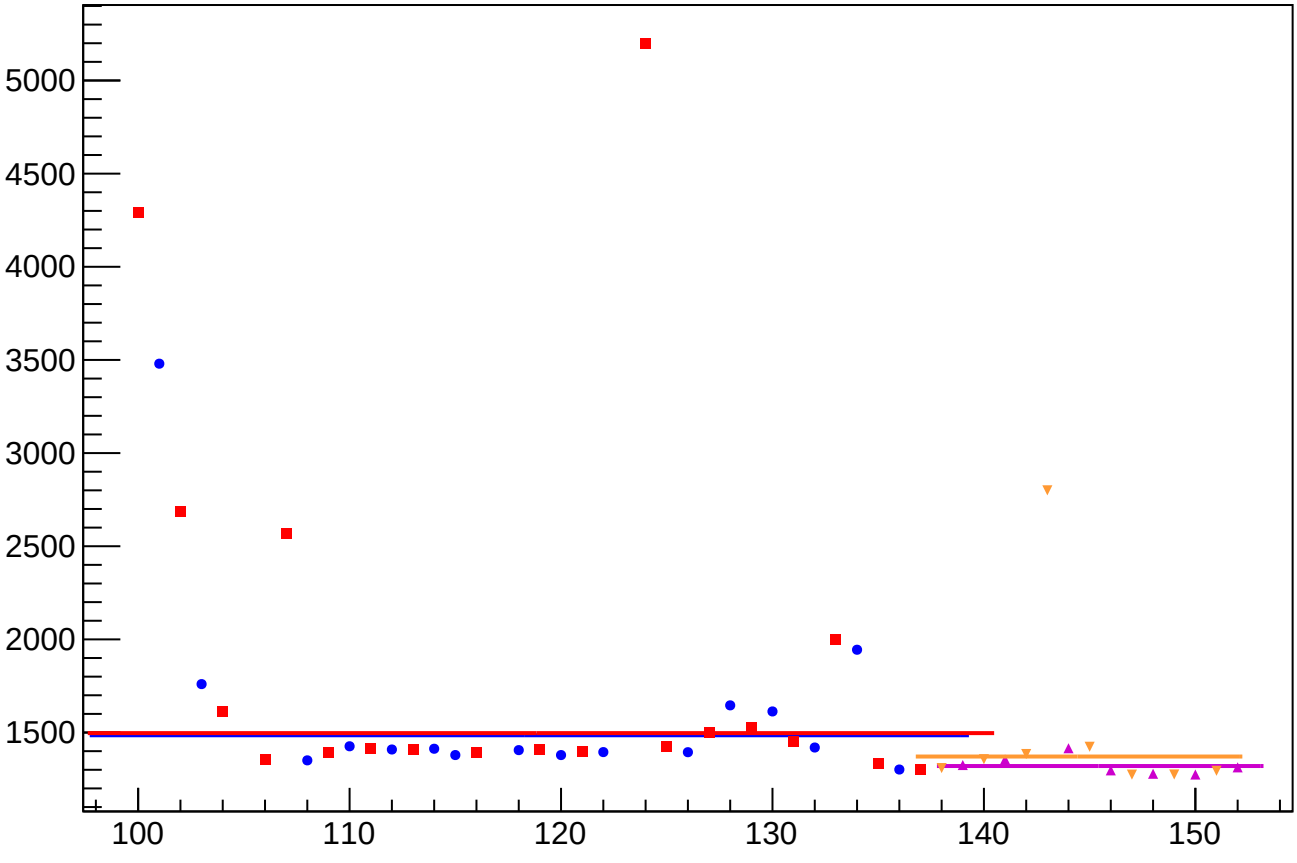
Left In: 747.382+/-533.169 χ^2/NDF:9.4/6

+ sign -111.513+/-397.907 χ^2/NDF: 20.5/23

All: 285.068+/-277.920 χ^2/NDF: 43.2/49

- sign 662.816+/-388.344 χ^2/NDF: 20.7/25

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1371.200+/-0.397 χ^2/NDF:455087.4/7

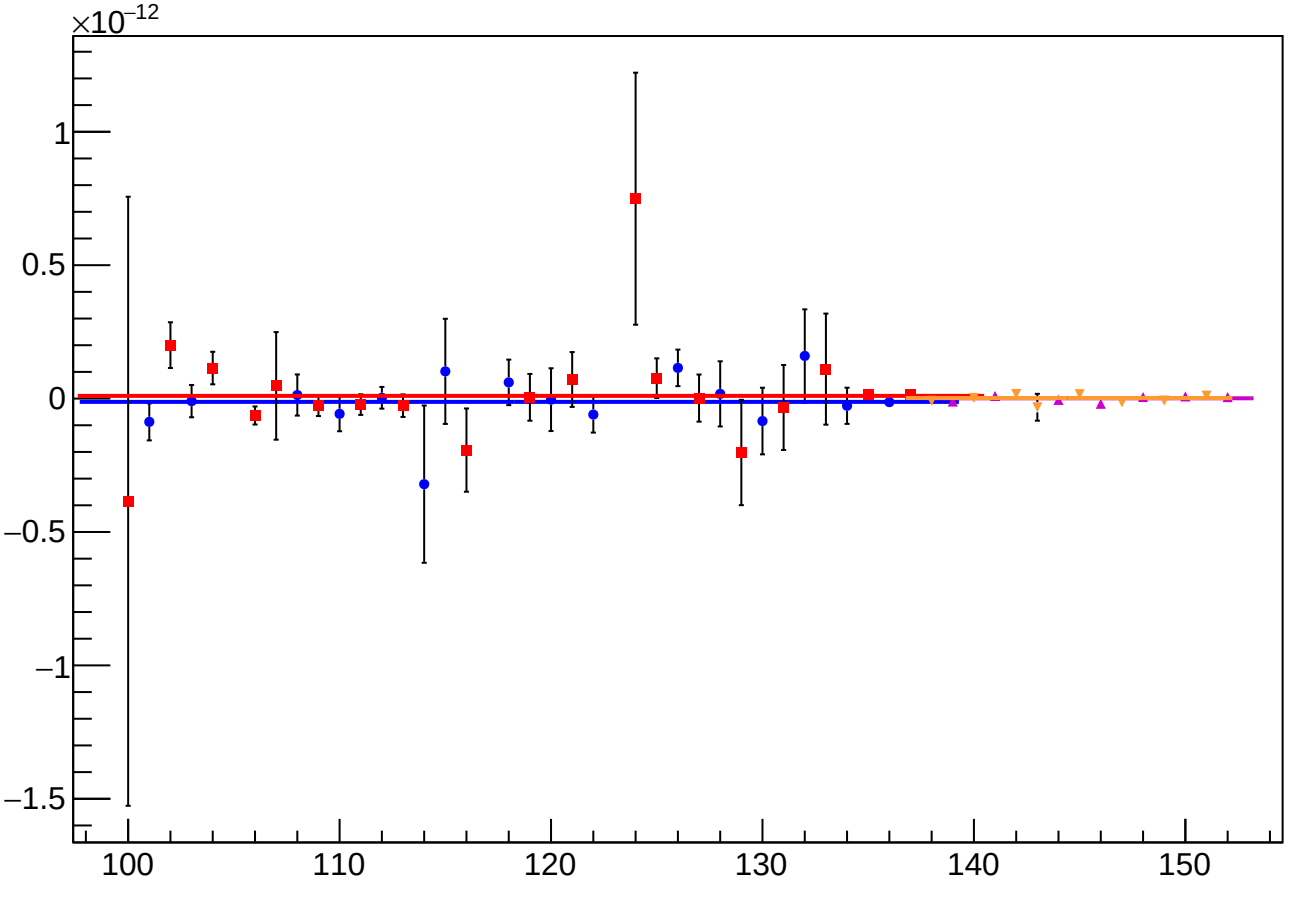
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1320.213+/-0.377 χ^2/NDF:14095.6/6

+ sign 1427.954+/-0.281 χ^2/NDF: 1080720.0/23

All: 1415.249+/-0.197 χ^2/NDF: 1825165.2/49

- sign 1403.147+/-0.275 χ^2/NDF: 740464.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/7

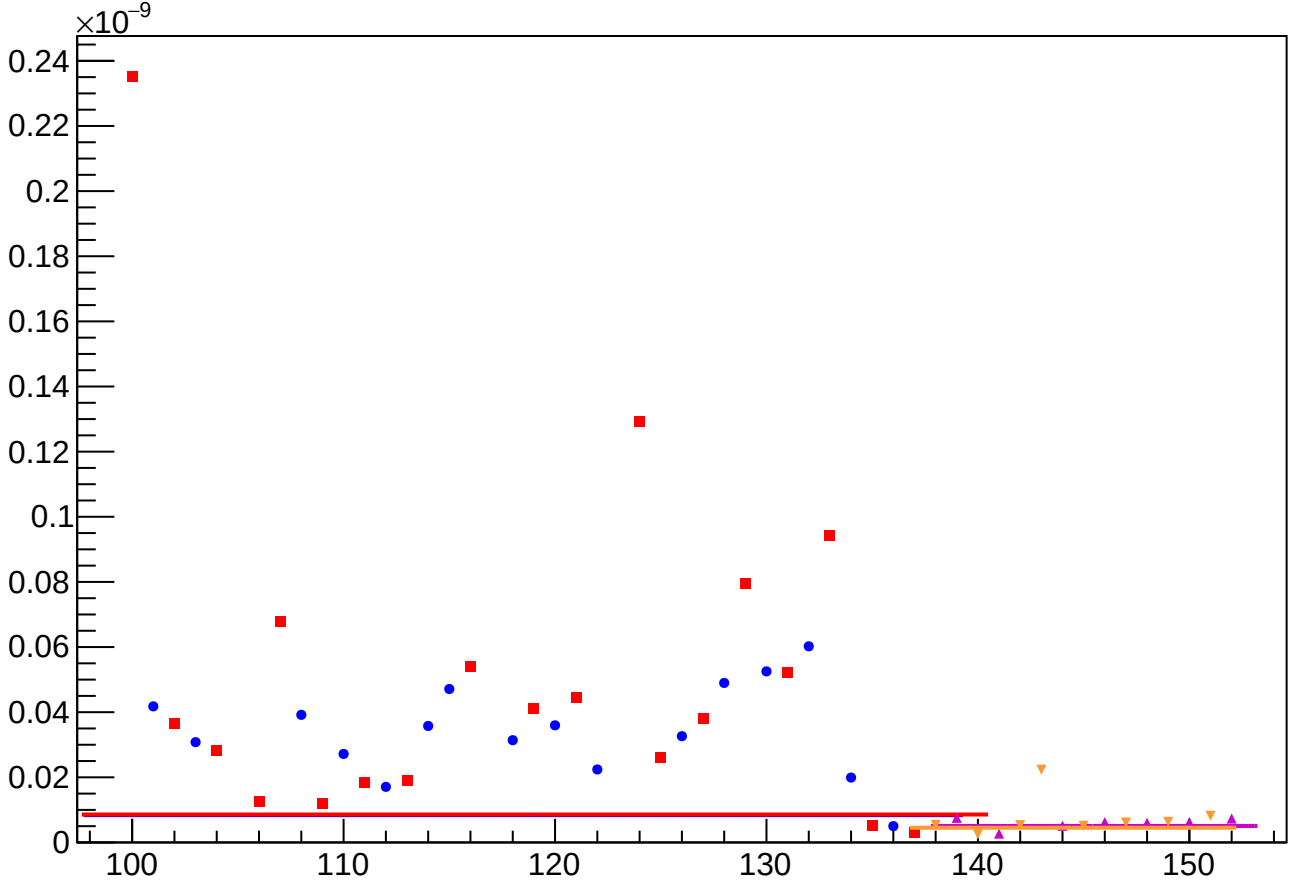
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/23

All: 0.000+/-0.000 χ^2/NDF: 55.2/49

- sign 0.000+/-0.000 χ^2/NDF: 32.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:910322.7/7

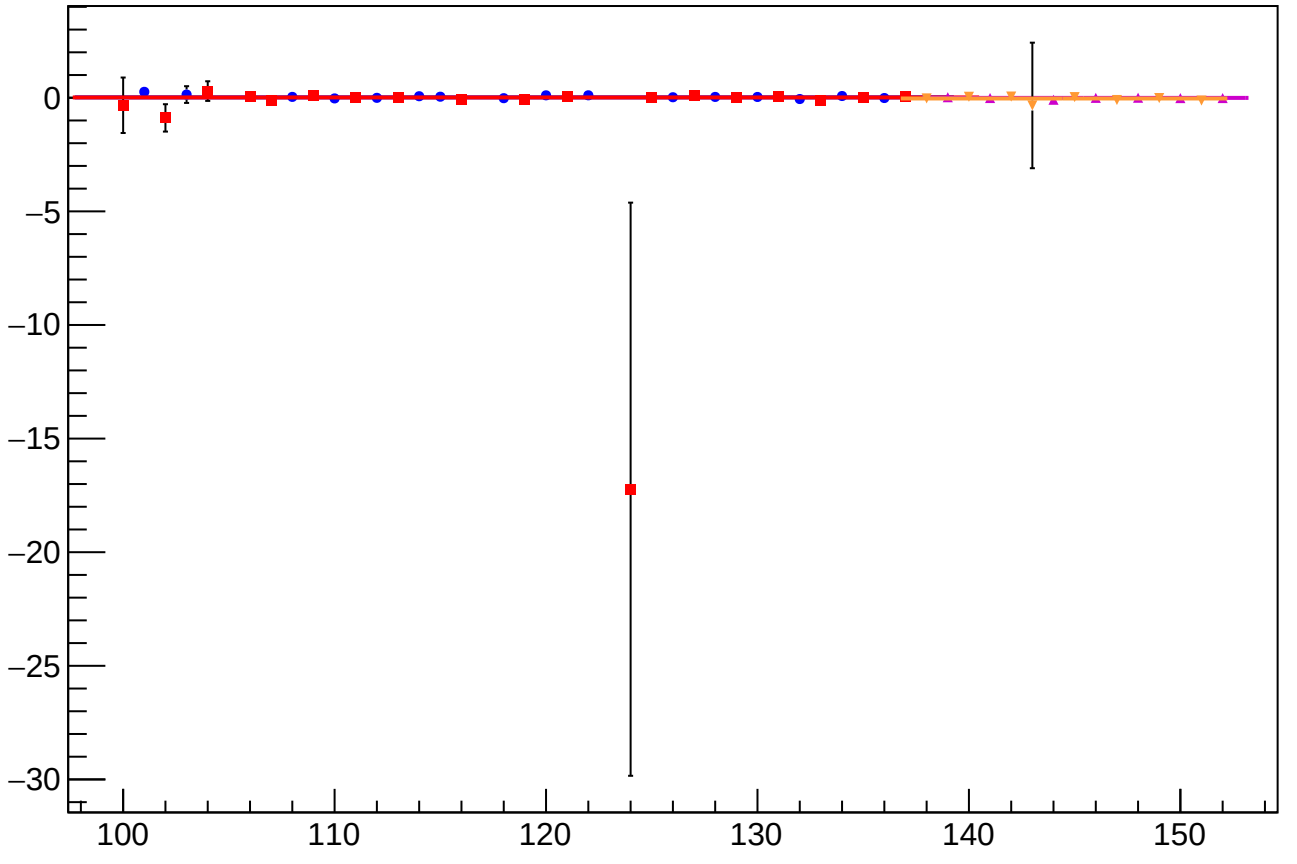
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:566513.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 4426698.4/23

All: 0.000+/-0.000 χ^2/NDF: 8693659.3/49

- sign 0.000+/-0.000 χ^2/NDF: 4242031.7/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

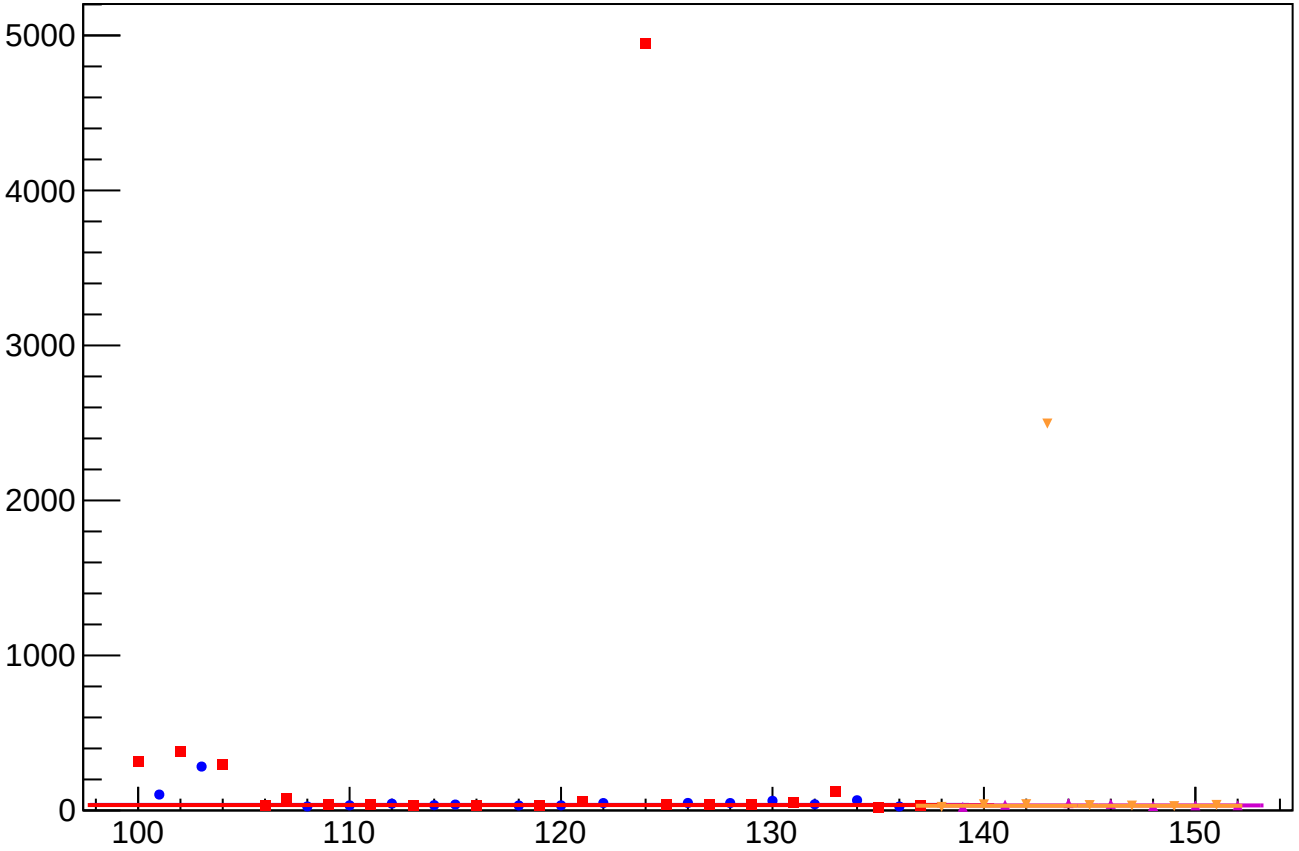
Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.007 χ^2/NDF: 53.0/49

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942632.7/7

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

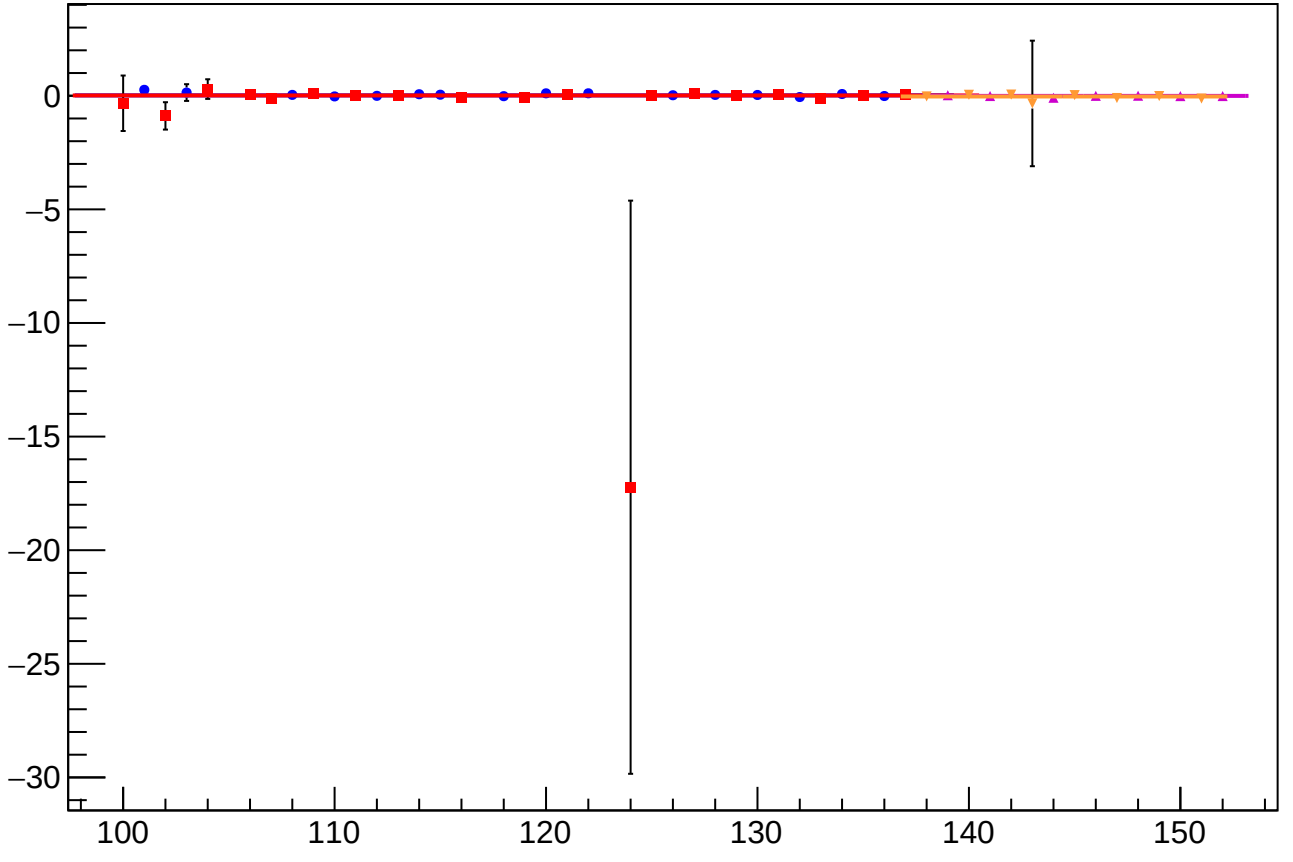
Left In: 32.493+/-0.010 χ^2/NDF:481357.8/6

+ sign 32.853+/-0.007 χ^2/NDF: 4337831.1/23

All: 33.203+/-0.005 χ^2/NDF: 7761131.0/49

- sign 33.562+/-0.008 χ^2/NDF: 3418799.3/25

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

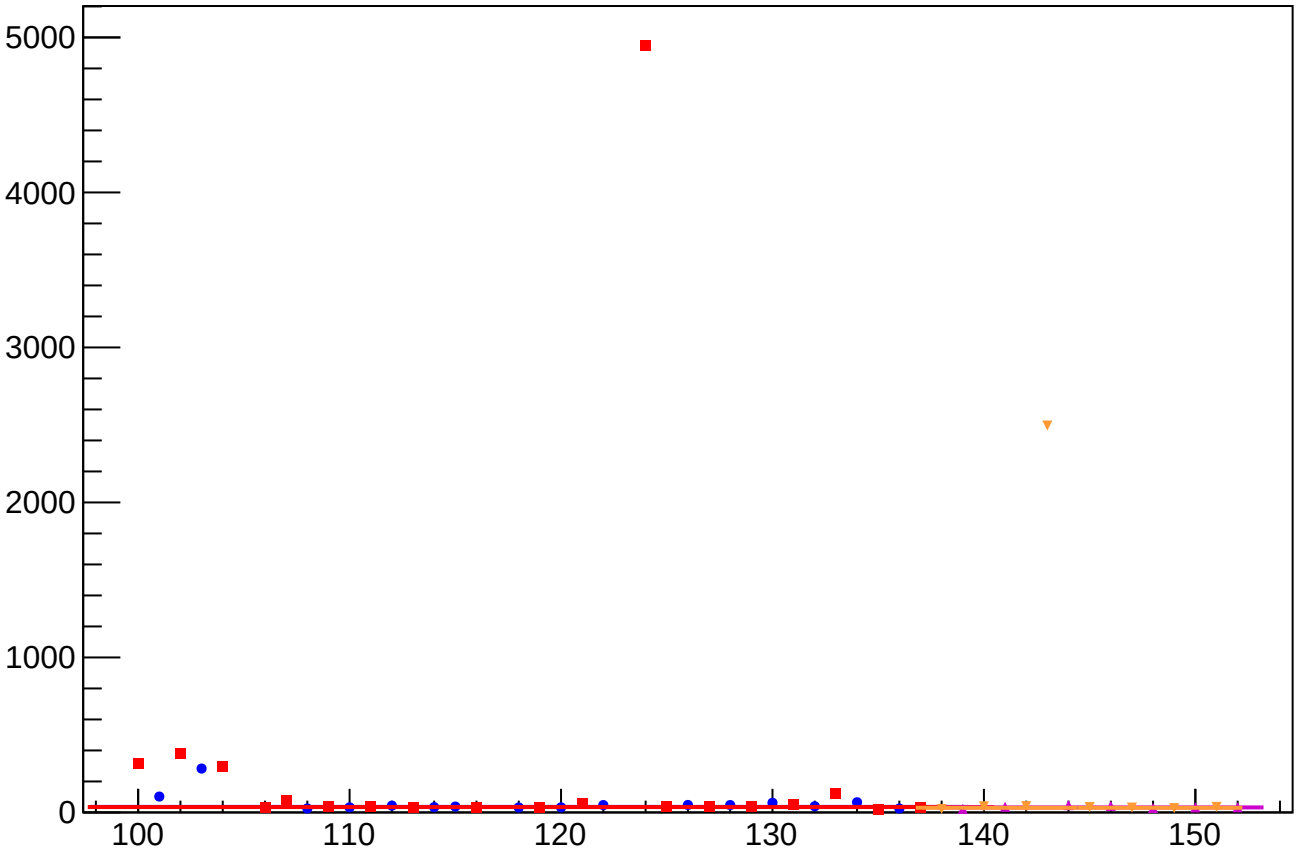
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.007 χ^2/NDF: 53.0/49

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942632.7/7

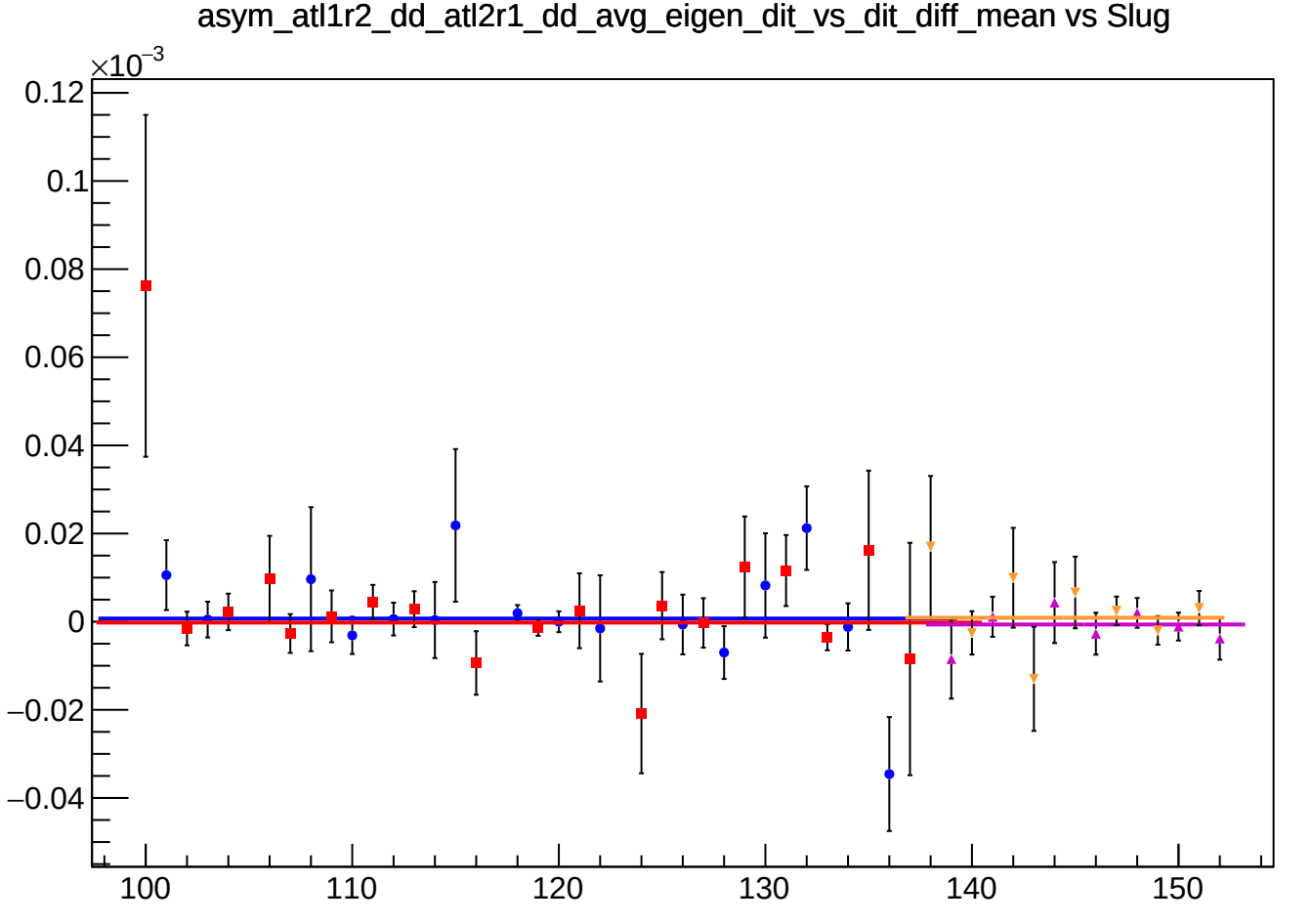
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.493+/-0.010 χ^2/NDF:481357.8/6

\+ sign 32.853+/-0.007 χ^2/NDF: 4337831.1/23

All: 33.203+/-0.005 χ^2/NDF: 7761131.0/49

\- sign 33.562+/-0.008 χ^2/NDF: 3418799.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/7

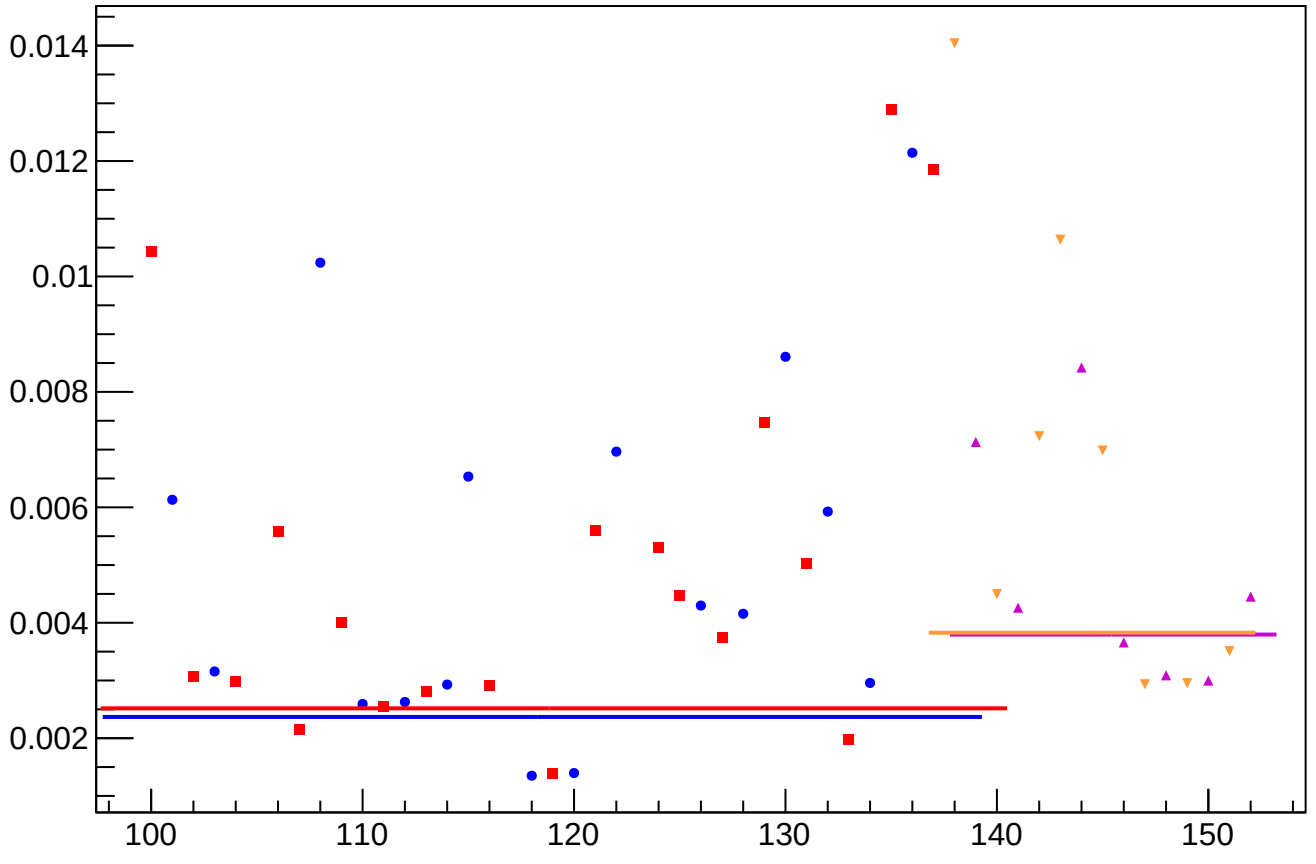
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 24.5/23

All: 0.000+/-0.000 χ^2/NDF: 45.8/49

- sign -0.000+/-0.000 χ^2/NDF: 20.6/25



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2308461.7/7

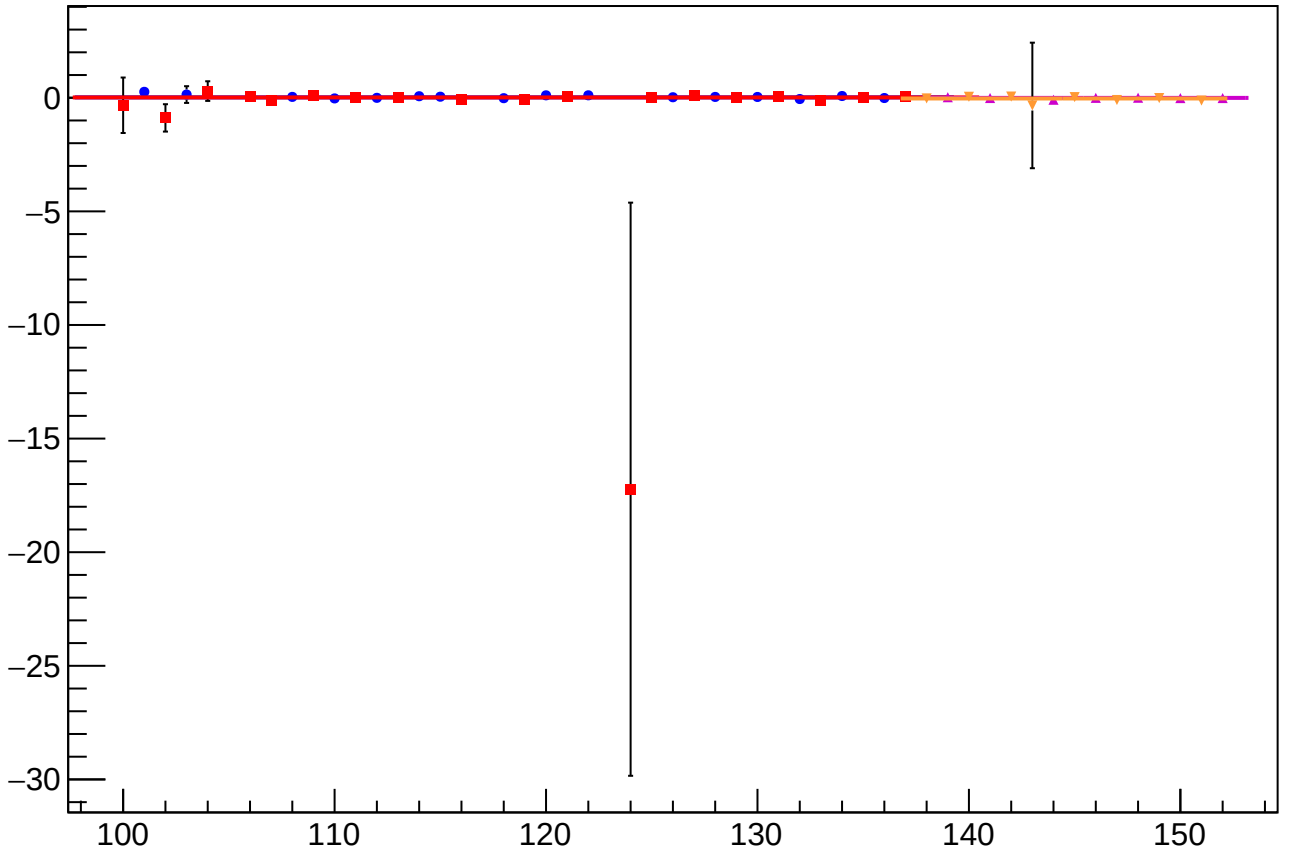
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1057970.7/6

+ sign 0.003+/-0.000 χ^2/NDF: 8038601.5/23

All: 0.003+/-0.000 χ^2/NDF: 13318922.0/49

- sign 0.003+/-0.000 χ^2/NDF: 5271188.7/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

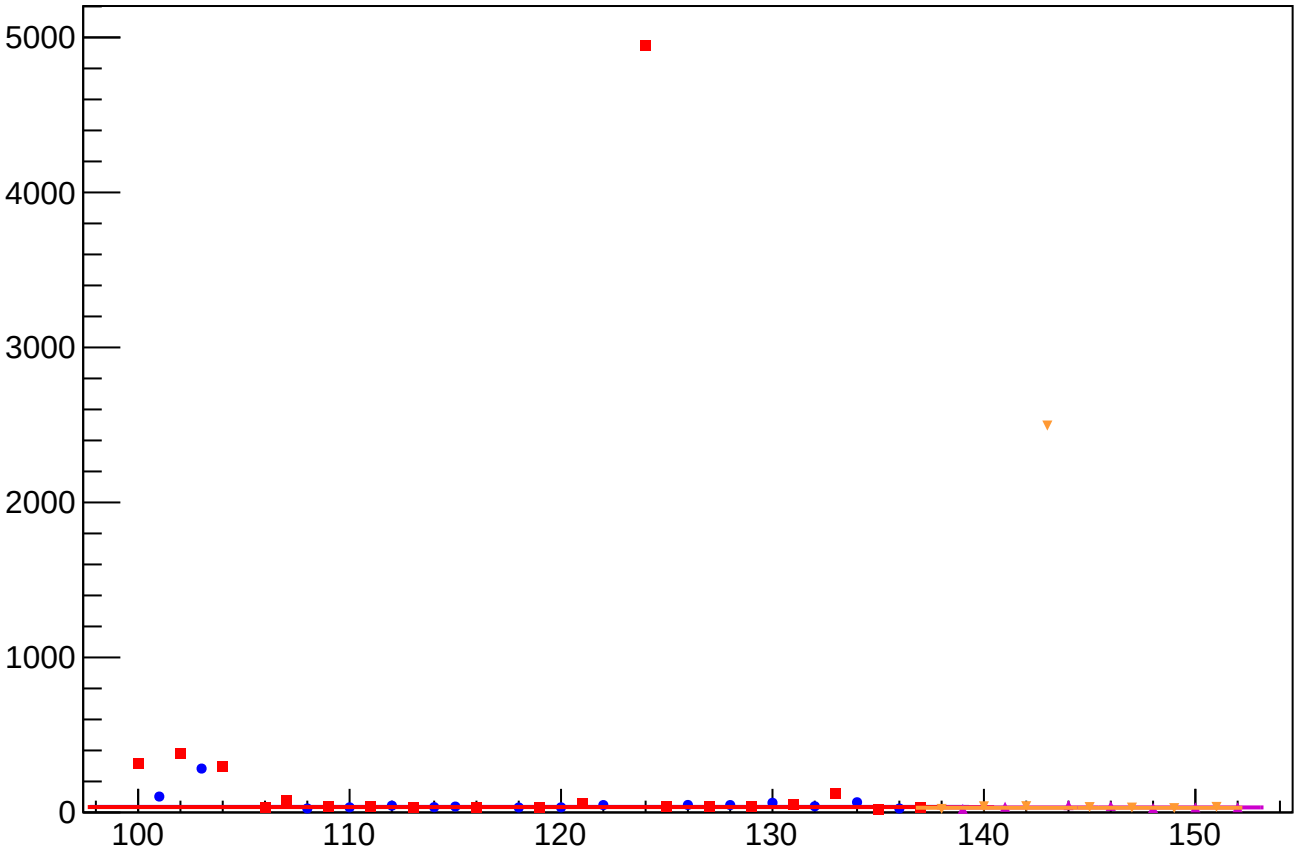
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.007 χ^2/NDF: 53.0/49

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942865.4/7

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

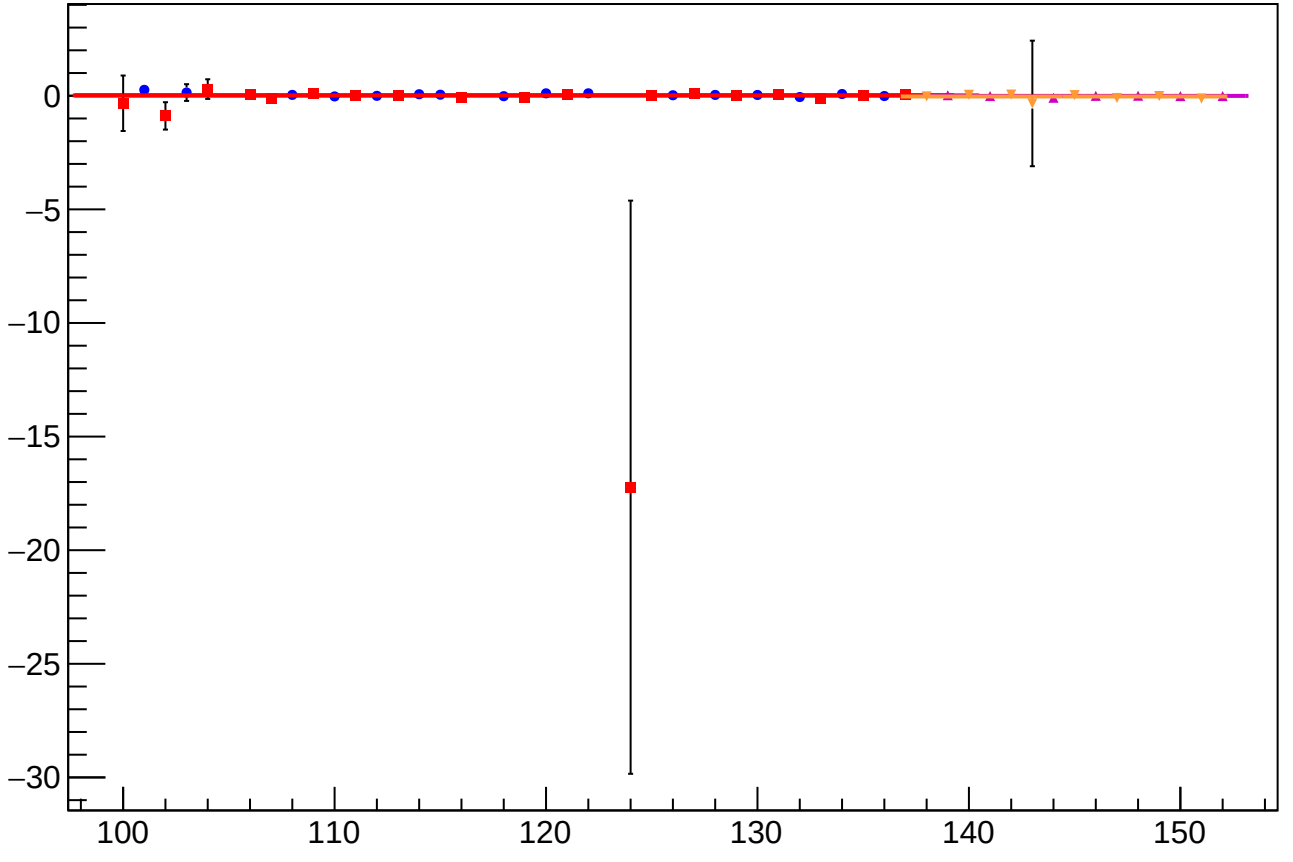
Left In: 32.491+/-0.010 χ^2/NDF:481691.3/6

\+ sign 32.853+/-0.007 χ^2/NDF: 4337866.0/23

All: 33.203+/-0.005 χ^2/NDF: 7761371.1/49

\- sign 33.562+/-0.008 χ^2/NDF: 3419021.0/25

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: -0.032+/-0.014 χ^2/NDF:15.0/7

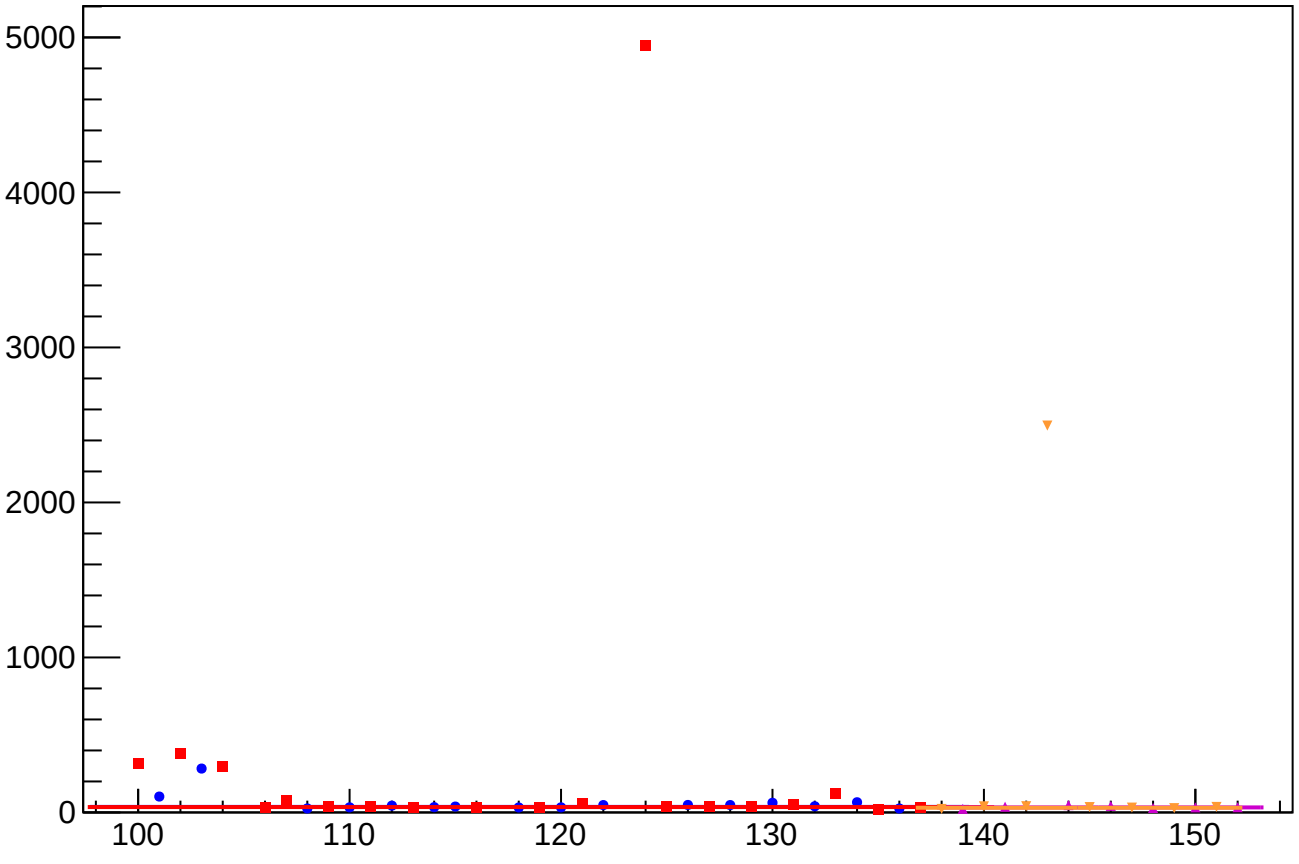
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.007 χ^2/NDF: 53.0/49

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942865.4/7

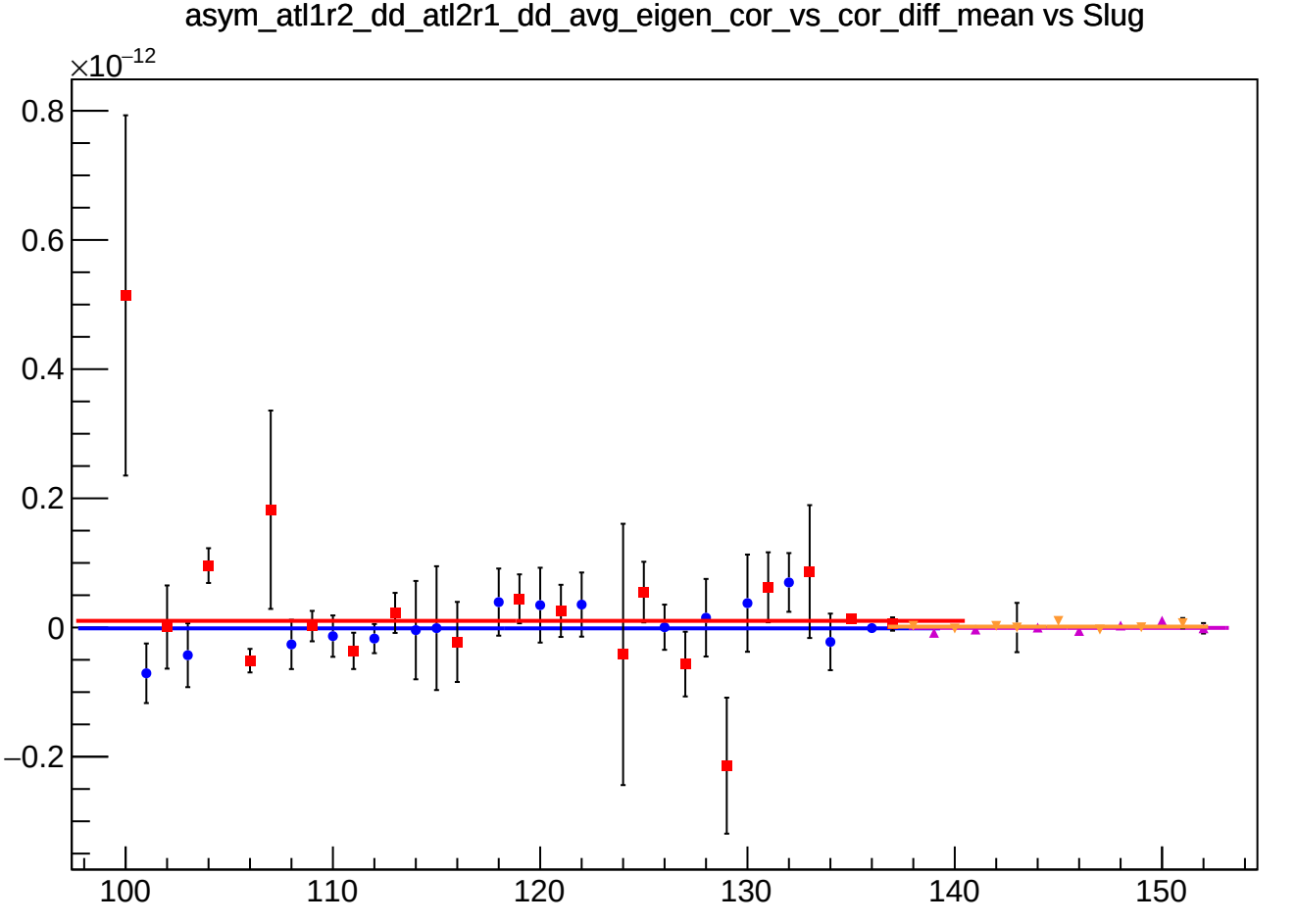
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.491+/-0.010 χ^2/NDF:481691.3/6

+ sign 32.853+/-0.007 χ^2/NDF: 4337866.0/23

All: 33.203+/-0.005 χ^2/NDF: 7761371.1/49

- sign 33.562+/-0.008 χ^2/NDF: 3419021.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/7

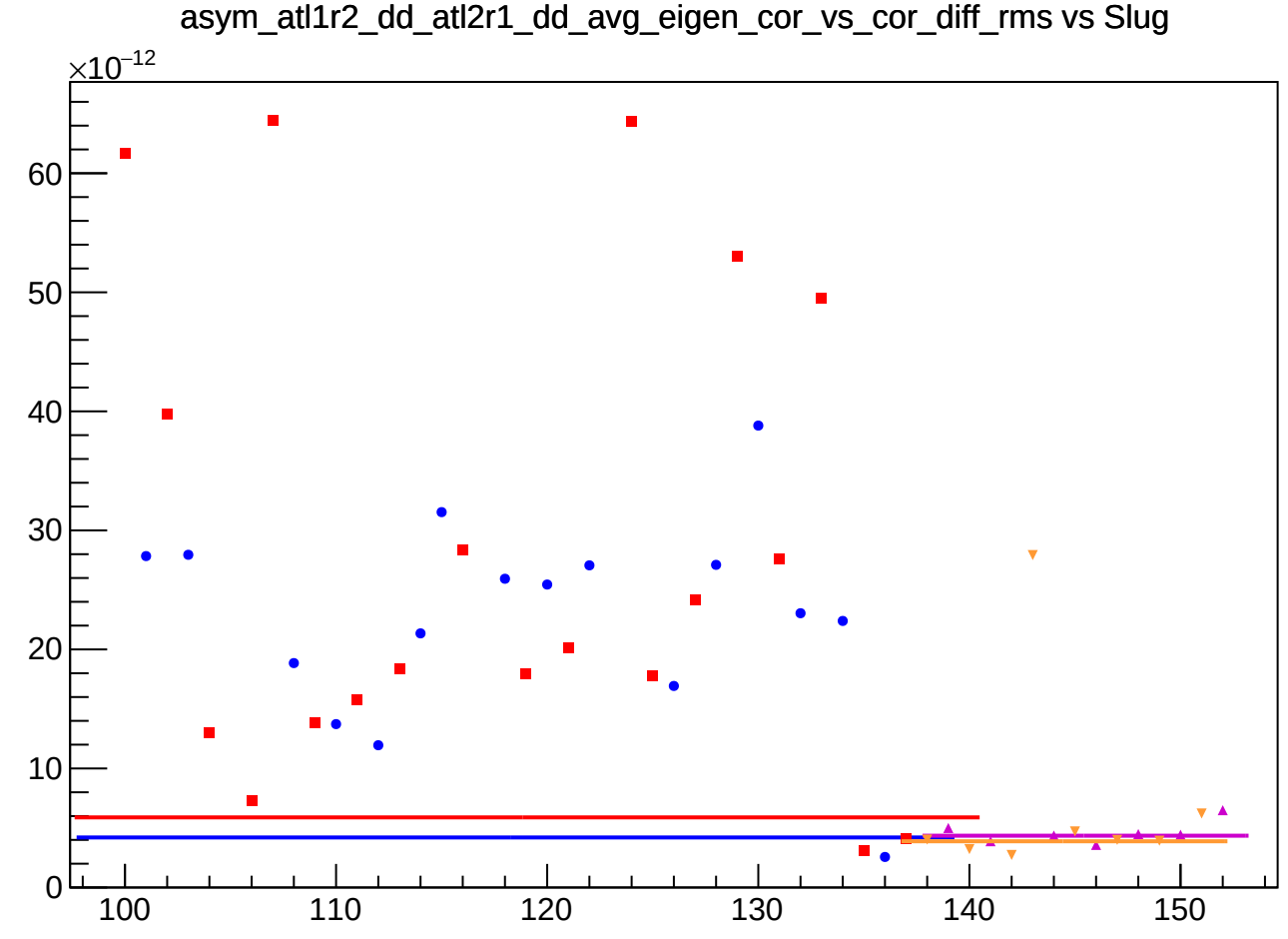
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 12.8/23

All: 0.000+/-0.000 χ^2/NDF: 65.5/49

- sign 0.000+/-0.000 χ^2/NDF: 52.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1153607.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

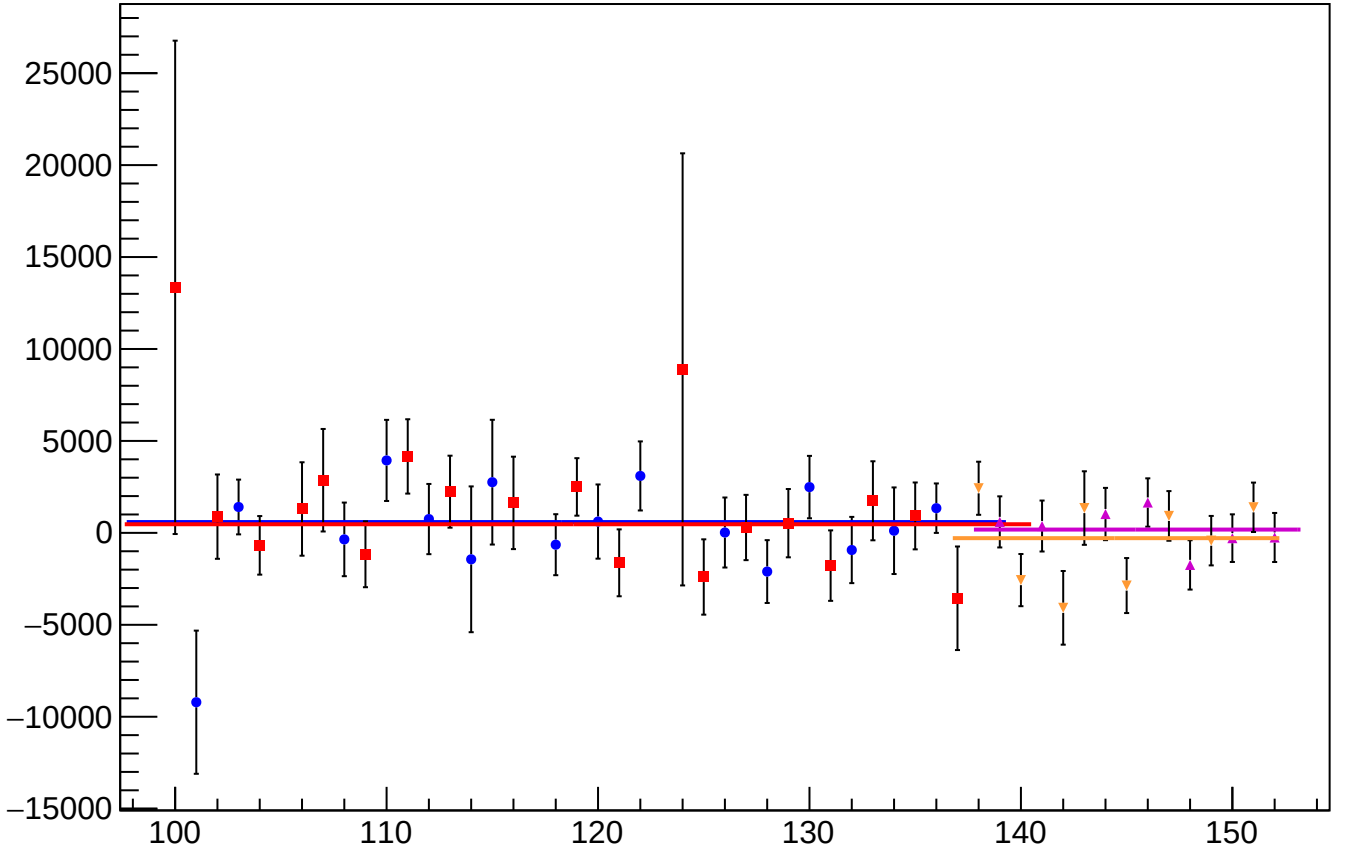
Left In: 0.000+/-0.000 χ^2/NDF:232556.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 6246887.4/23

All: 0.000+/-0.000 χ^2/NDF: 11705008.6/49

- sign 0.000+/-0.000 χ^2/NDF: 5308356.3/25

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -287.887+/-528.636 χ^2/NDF:15.7/7

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

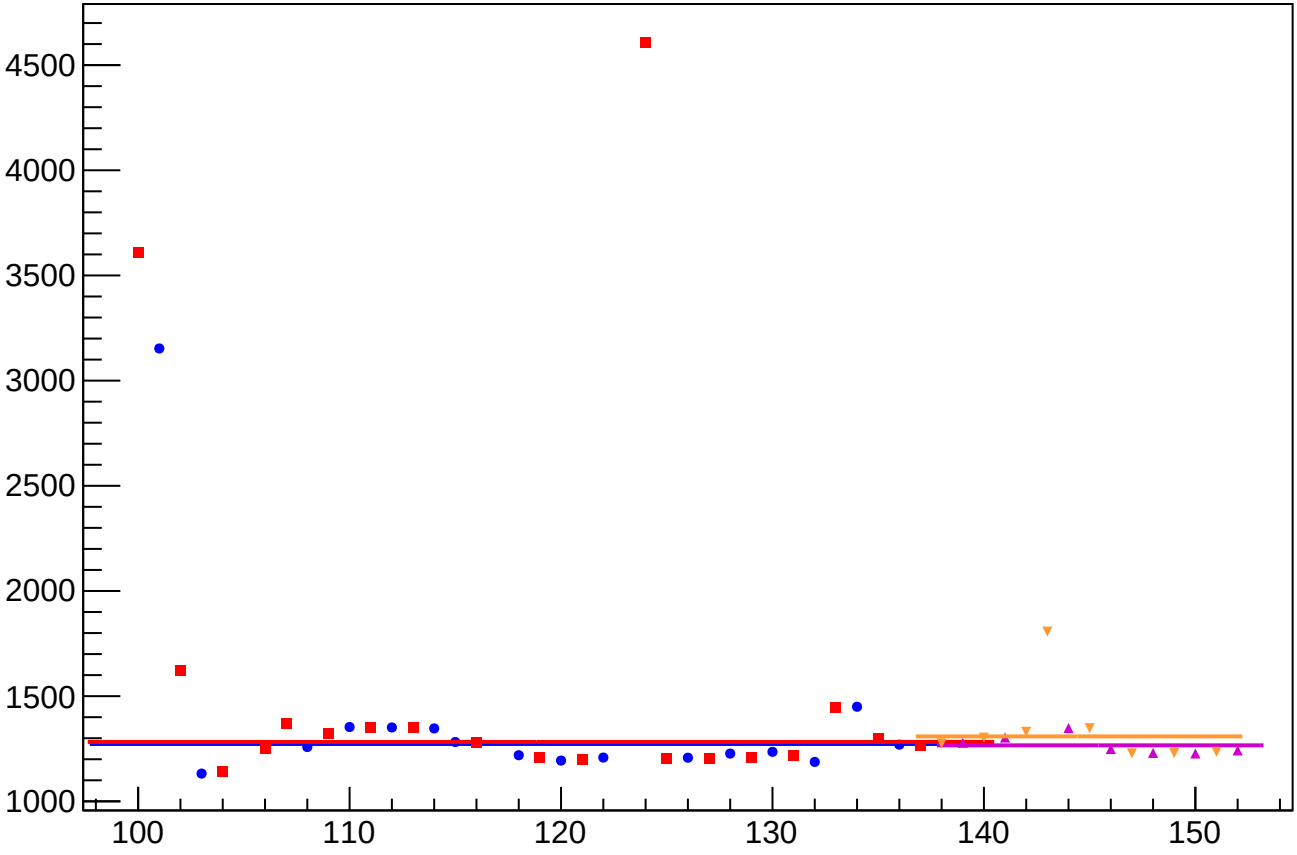
Left In: 178.905+/-511.253 χ^2/NDF:4.0/6

+ sign 189.417+/-356.349 χ^2/NDF: 34.3/23

All: 262.441+/-249.752 χ^2/NDF: 55.4/49

- sign 332.941+/-350.138 χ^2/NDF: 21.0/25

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

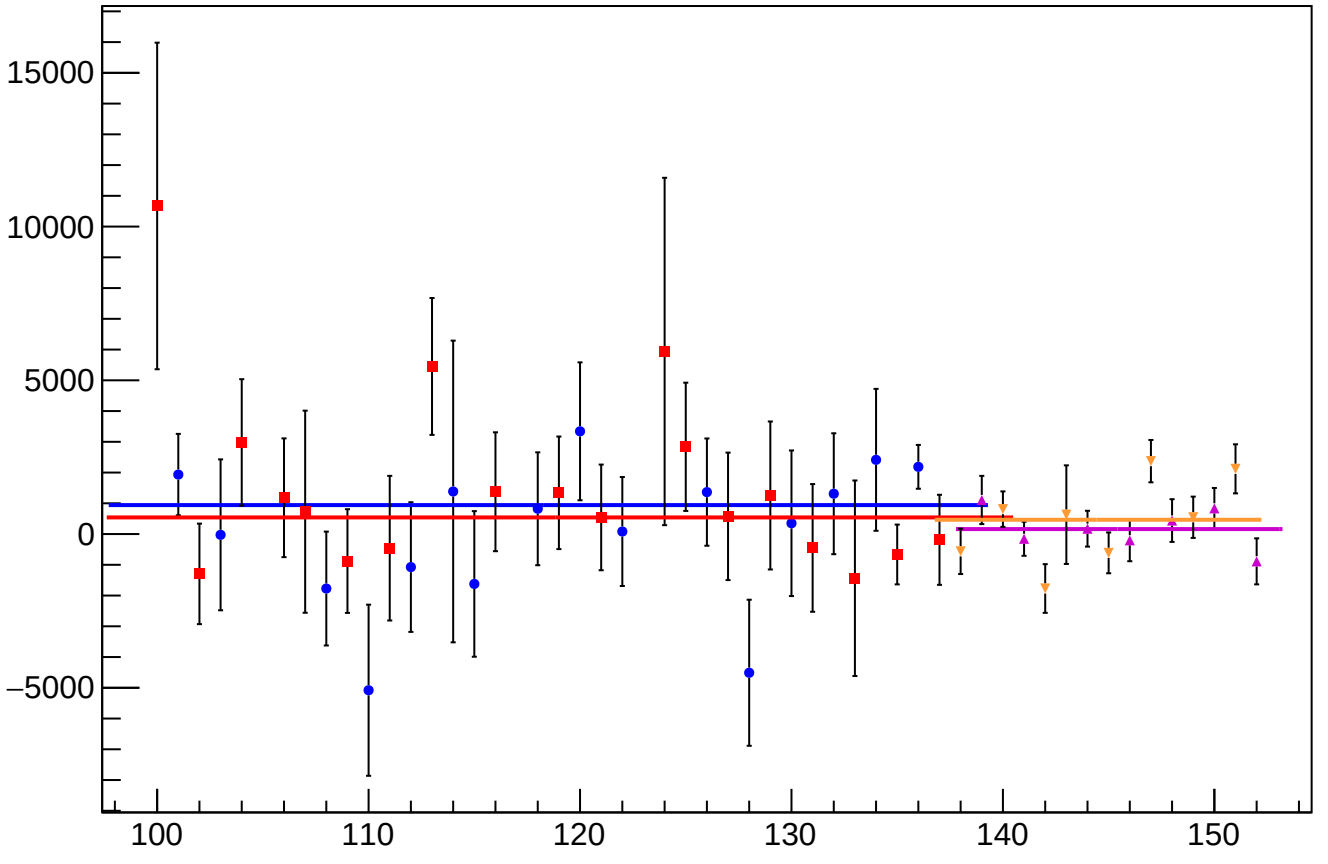
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

+ sign 1289.088+/-0.252 χ^2/NDF: 671092.2/23

All: 1281.788+/-0.177 χ^2/NDF: 1008458.9/49

- sign 1274.740+/-0.248 χ^2/NDF: 335717.1/25



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 465.225+/-258.253 χ^2/NDF:24.9/7

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

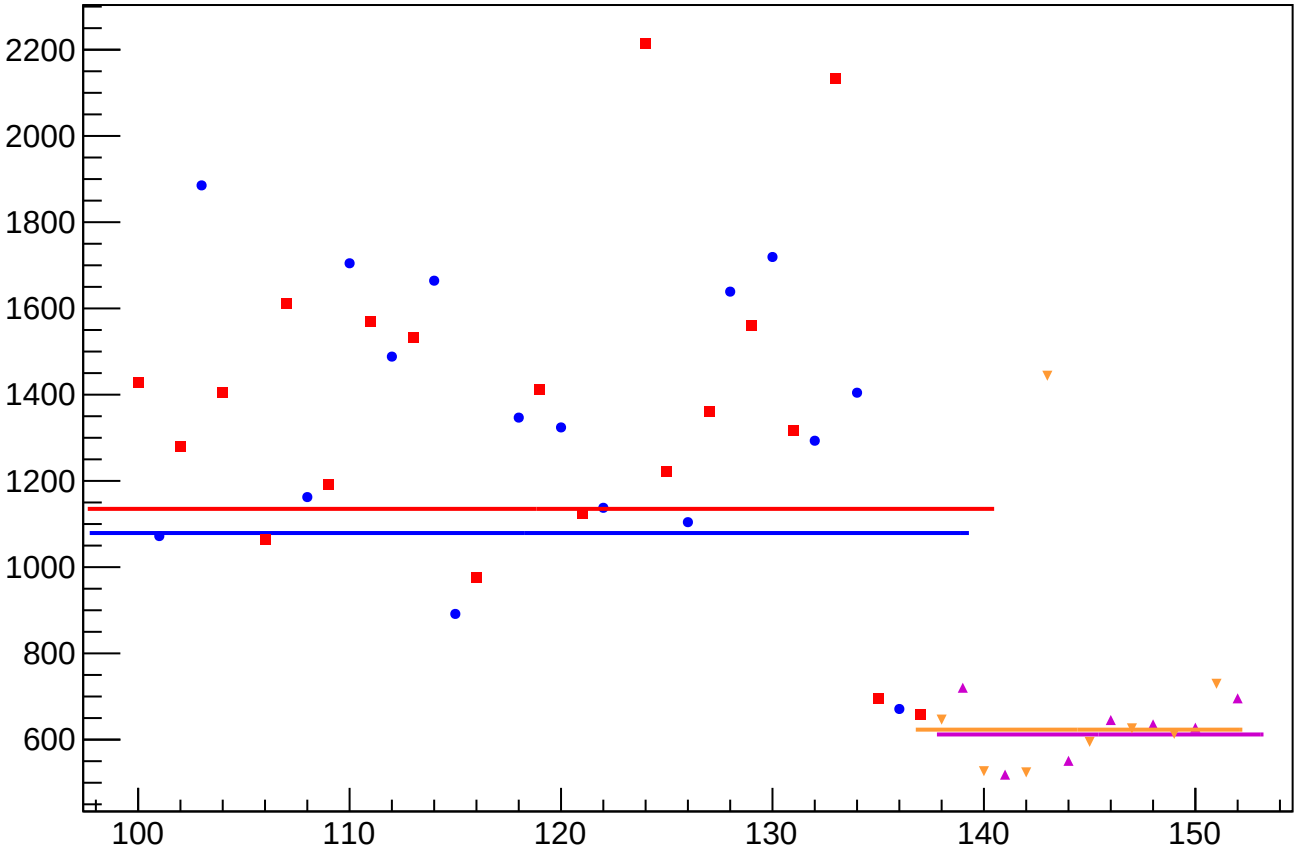
Left In: 161.627+/-249.140 χ^2/NDF:5.2/6

+ sign 593.363+/-220.818 χ^2/NDF: 45.7/23

All: 420.386+/-154.697 χ^2/NDF: 69.9/49

- sign 253.668+/-216.787 χ^2/NDF: 23.0/25

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 623.157+/-0.183 χ^2/NDF:652859.0/7

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

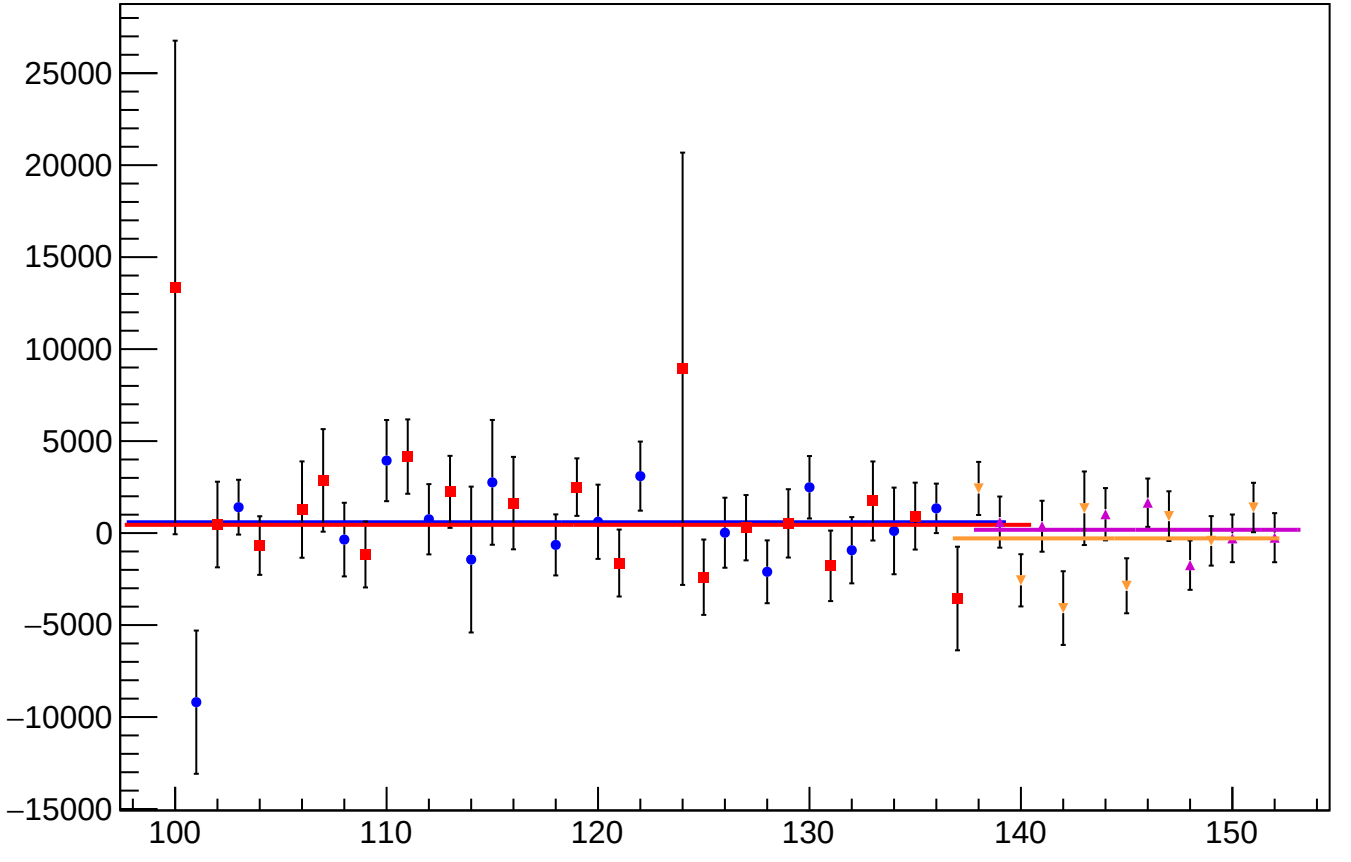
Left In: 611.959+/-0.176 χ^2/NDF:150058.6/6

+ sign 745.763+/-0.156 χ^2/NDF: 3811509.2/23

All: 742.330+/-0.109 χ^2/NDF: 7397651.9/49

- sign 739.021+/-0.153 χ^2/NDF: 3585193.5/25

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -288.011+/-528.636 χ^2/NDF:15.7/7

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

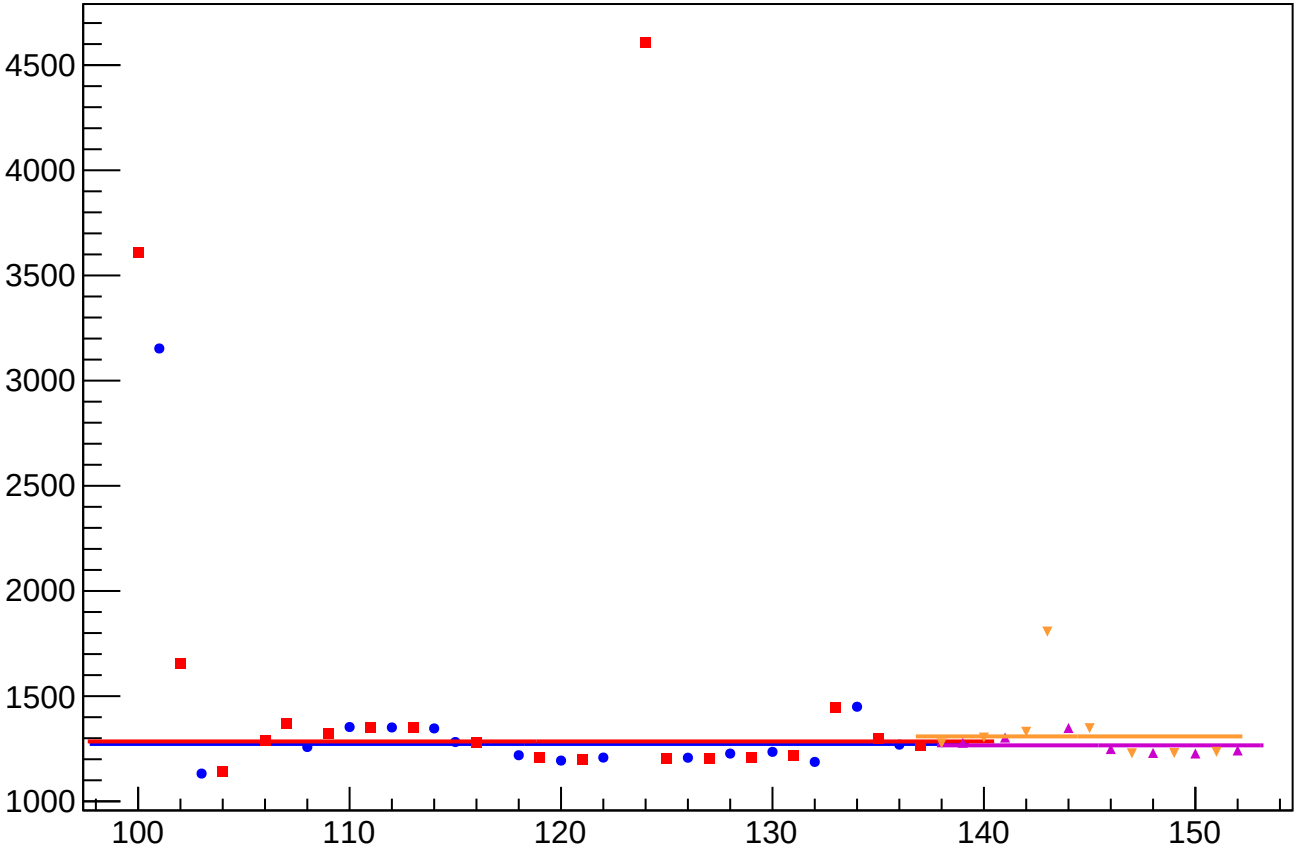
Left In: 178.935+/-511.253 χ^2/NDF:4.0/6

\+ sign 189.535+/-356.349 χ^2/NDF: 34.3/23

All: 256.765+/-249.867 χ^2/NDF: 55.3/49

\- sign 321.789+/-350.454 χ^2/NDF: 21.0/25

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

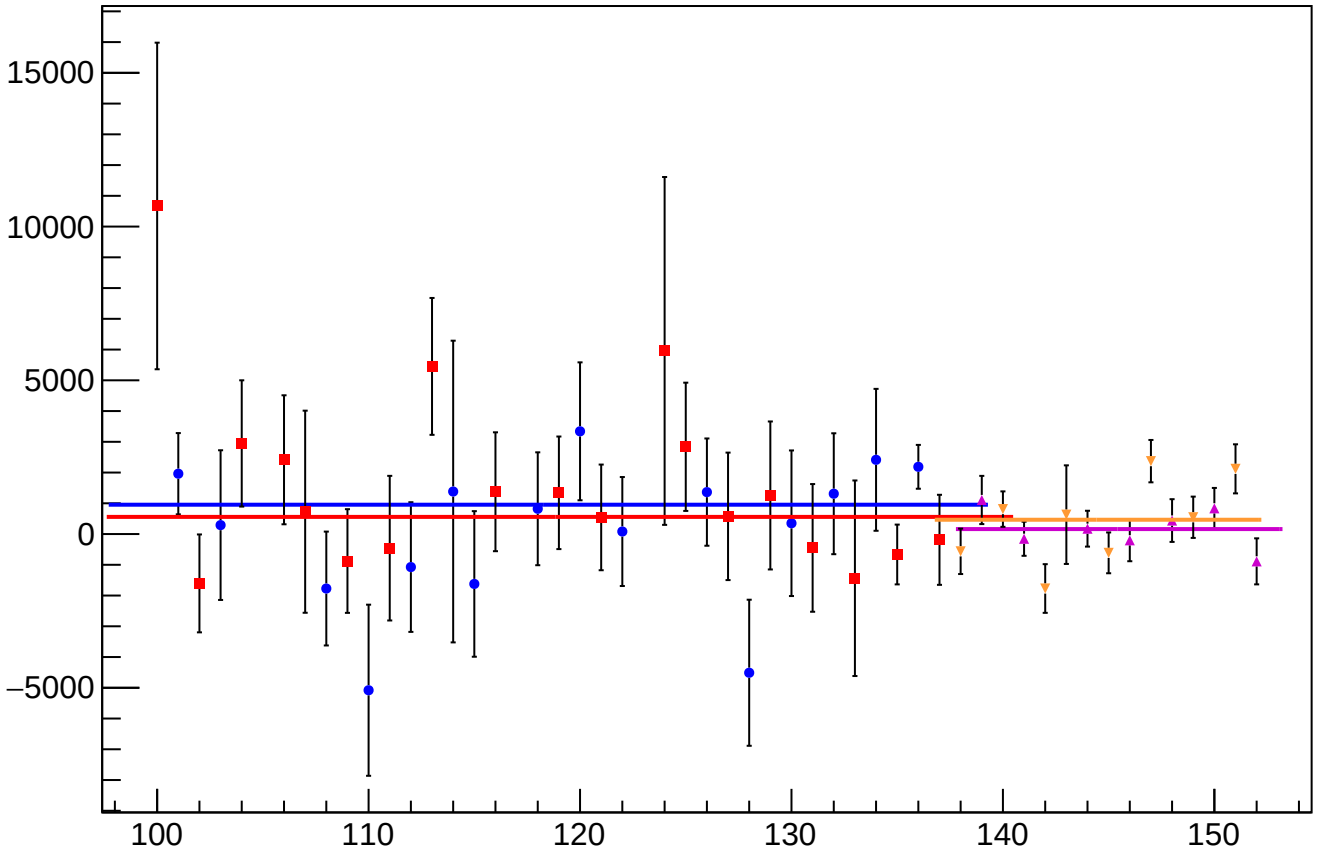
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

+ sign 1289.088+/-0.252 χ^2/NDF: 671093.7/23

All: 1282.404+/-0.177 χ^2/NDF: 1015172.6/49

- sign 1275.940+/-0.248 χ^2/NDF: 342694.9/25



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 465.199+/-258.256 χ^2/NDF:24.9/7

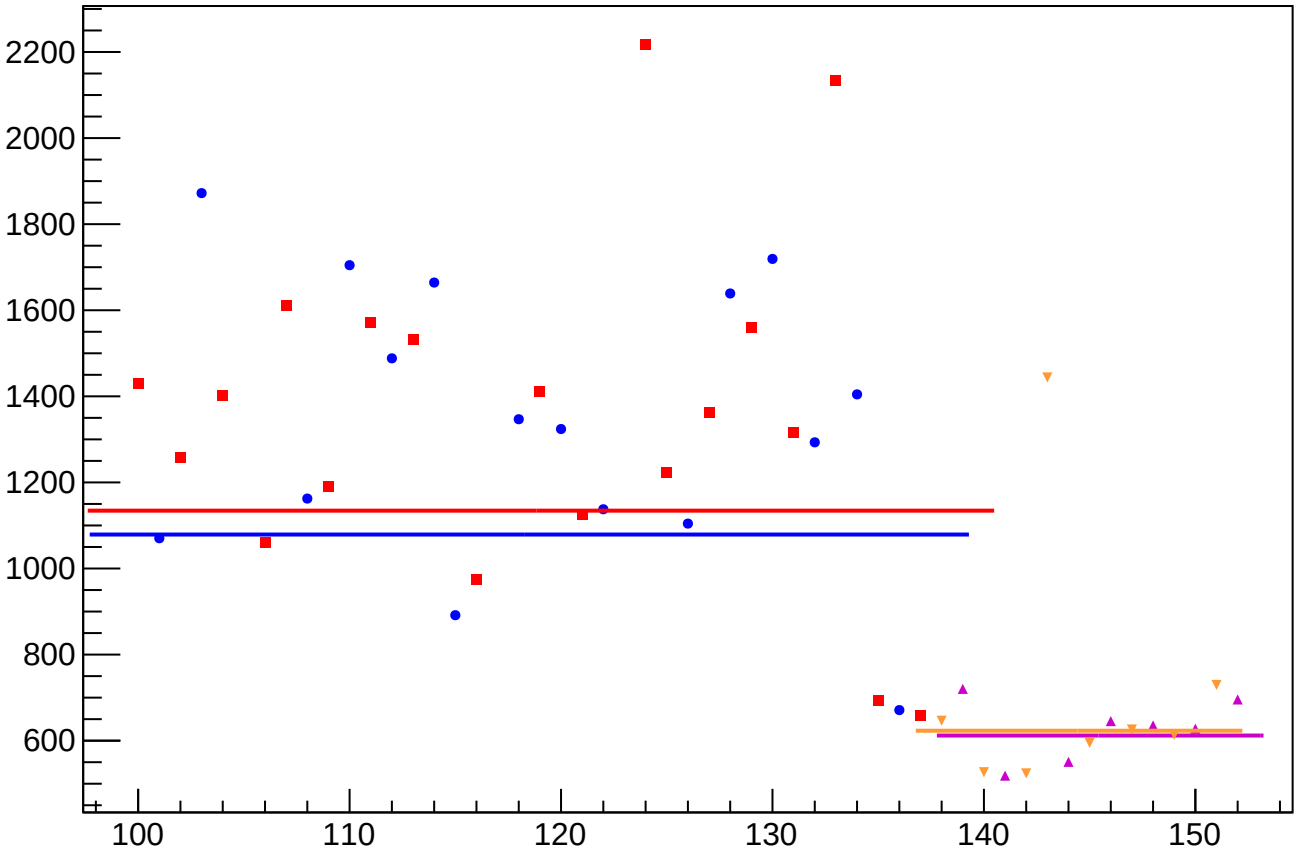
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 161.691+/-249.138 χ^2/NDF:5.2/6

+ sign 596.757+/-220.796 χ^2/NDF: 45.7/23

All: 424.169+/-154.726 χ^2/NDF: 71.1/49

- sign 257.638+/-216.887 χ^2/NDF: 24.2/25



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 623.168+/-0.183 χ^2/NDF:652790.4/7

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

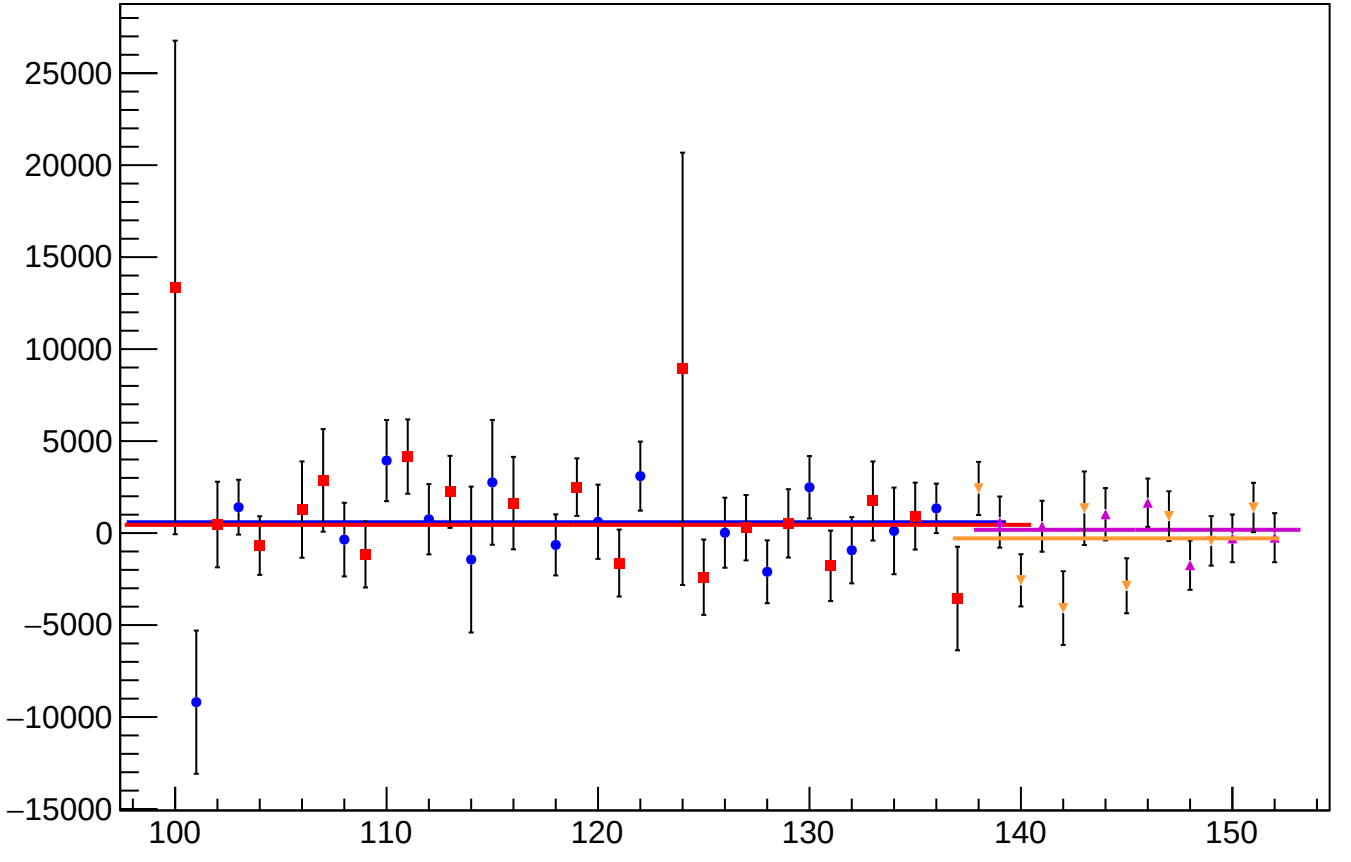
Left In: 611.952+/-0.176 χ^2/NDF:150074.9/6

\+ sign 745.797+/-0.156 χ^2/NDF: 3807466.9/23

All: 742.066+/-0.109 χ^2/NDF: 7377419.9/49

\- sign 738.465+/-0.153 χ^2/NDF: 3568830.4/25

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -288.011+/-528.636 χ^2/NDF:15.7/7

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

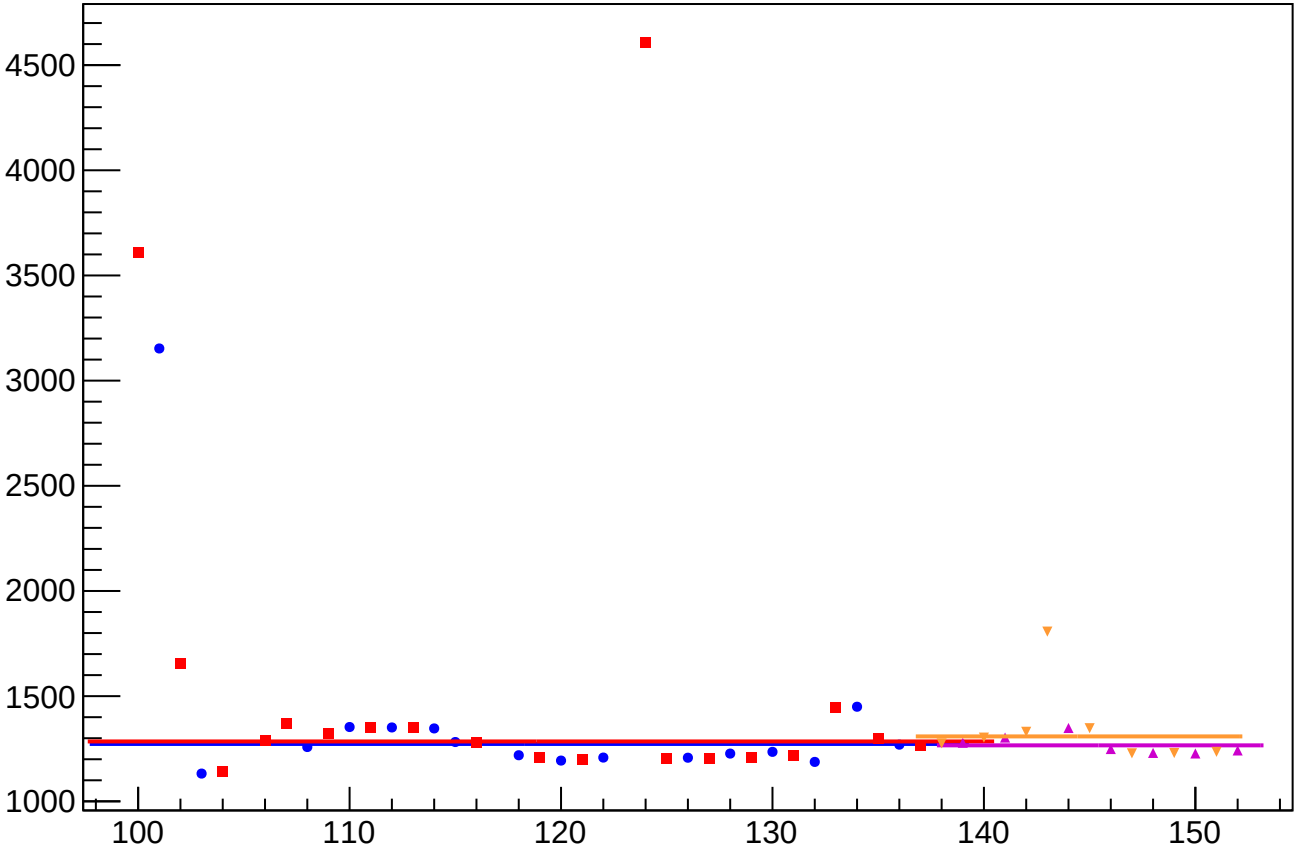
Left In: 178.935+/-511.253 χ^2/NDF:4.0/6

+ sign 189.535+/-356.349 χ^2/NDF: 34.3/23

All: 256.765+/-249.867 χ^2/NDF: 55.3/49

- sign 321.789+/-350.454 χ^2/NDF: 21.0/25

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: 1308.640+/-0.374 χ^2/NDF:146779.5/7

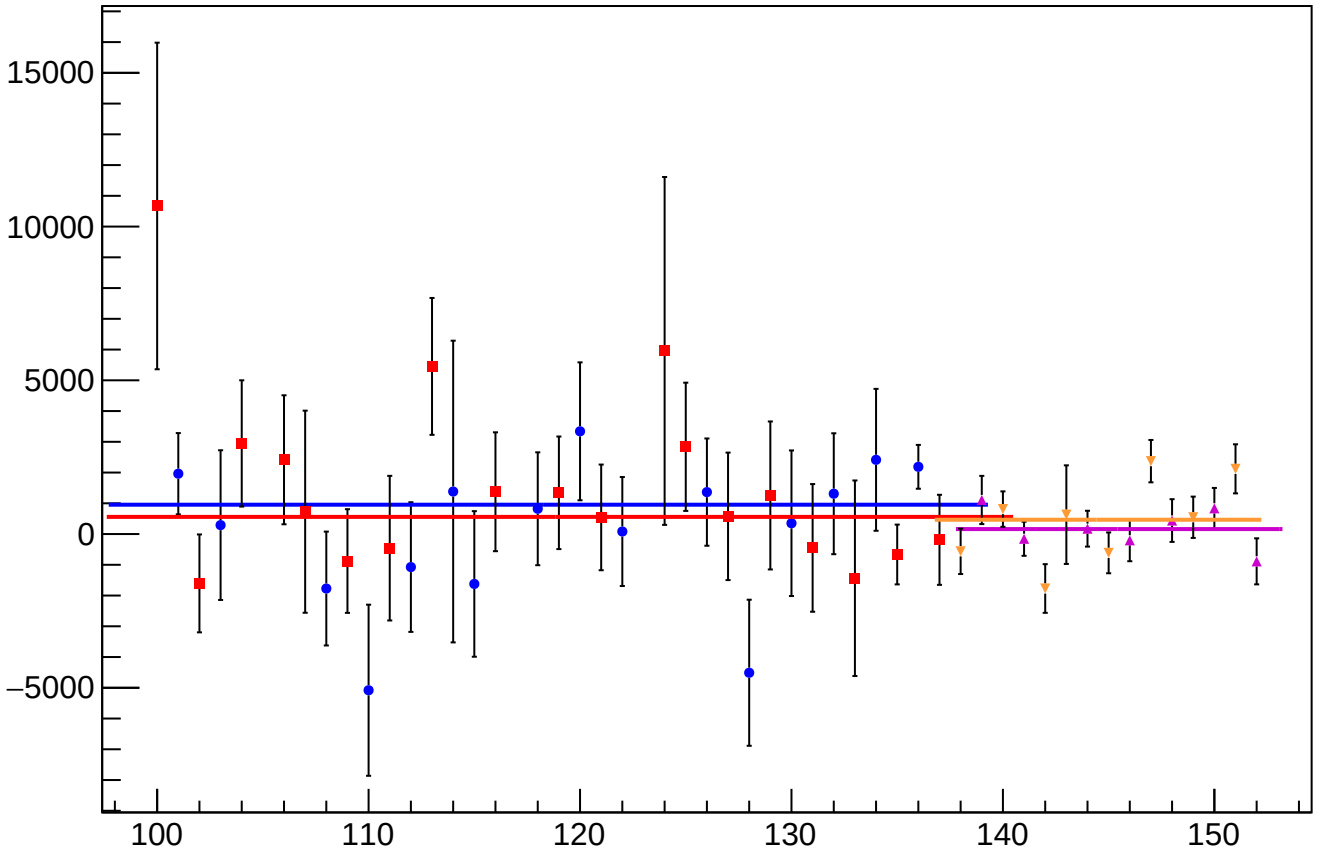
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

+ sign 1289.088+/-0.252 χ^2/NDF: 671093.7/23

All: 1282.404+/-0.177 χ^2/NDF: 1015172.6/49

- sign 1275.940+/-0.248 χ^2/NDF: 342694.9/25



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 465.199+/-258.256 χ^2/NDF:24.9/7

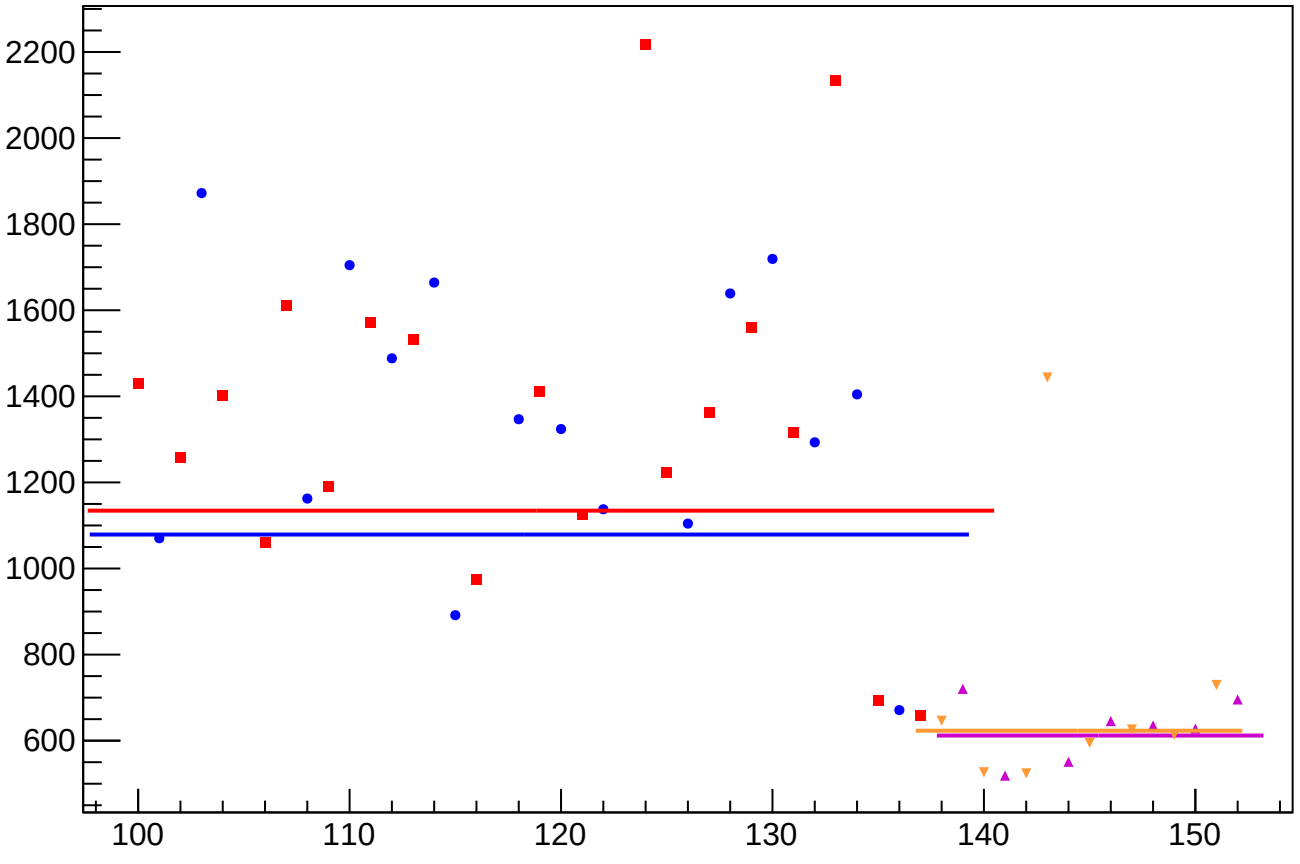
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 161.691+/-249.138 χ^2/NDF:5.2/6

+ sign 596.757+/-220.796 χ^2/NDF: 45.7/23

All: 424.169+/-154.726 χ^2/NDF: 71.1/49

- sign 257.638+/-216.887 χ^2/NDF: 24.2/25



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 623.168+/-0.183 χ^2/NDF:652790.4/7

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

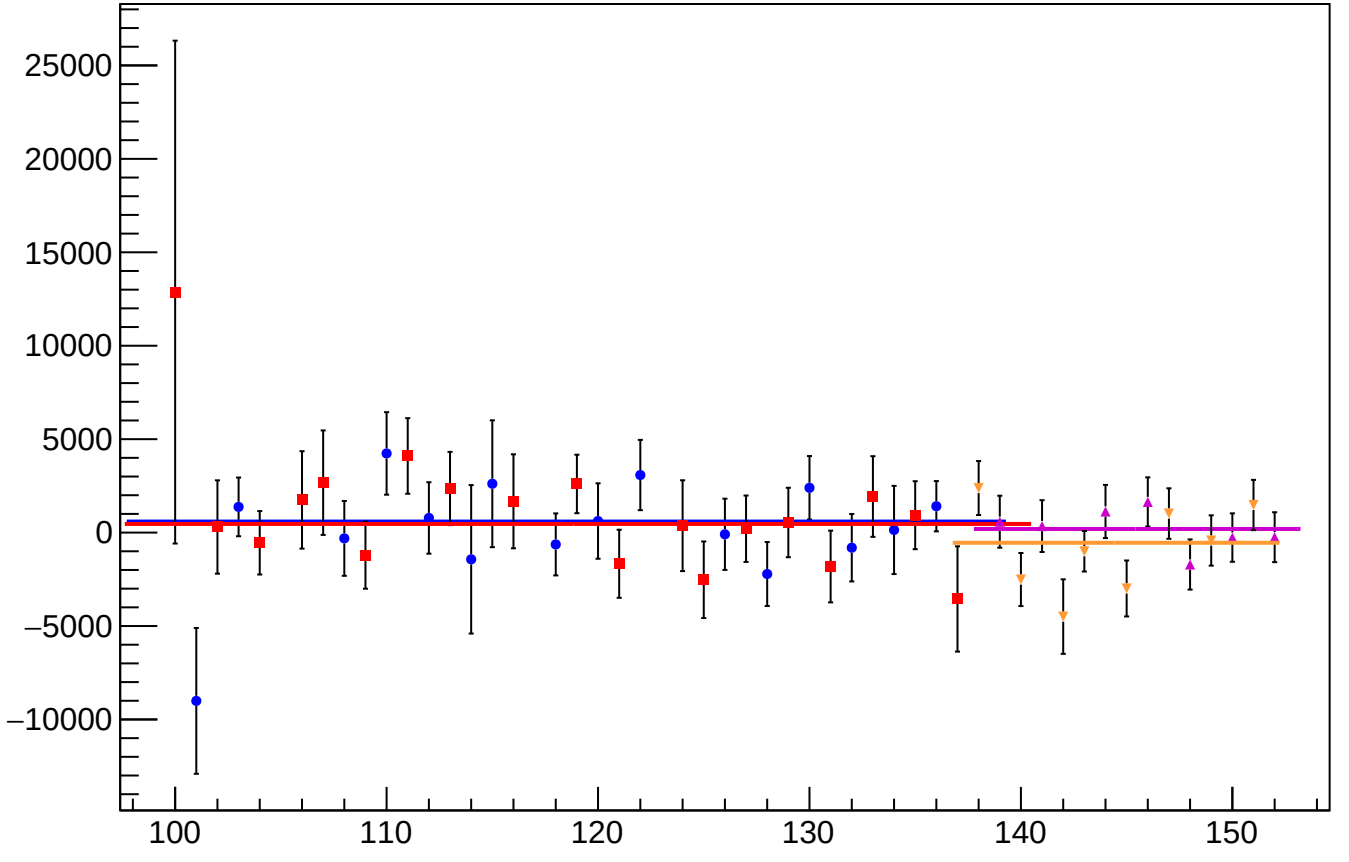
Left In: 611.952+/-0.176 χ^2/NDF:150074.9/6

\+ sign 745.797+/-0.156 χ^2/NDF: 3807466.9/23

All: 742.066+/-0.109 χ^2/NDF: 7377419.9/49

\- sign 738.465+/-0.153 χ^2/NDF: 3568830.4/25

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -544.649+/-489.278 χ^2/NDF:16.4/7

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

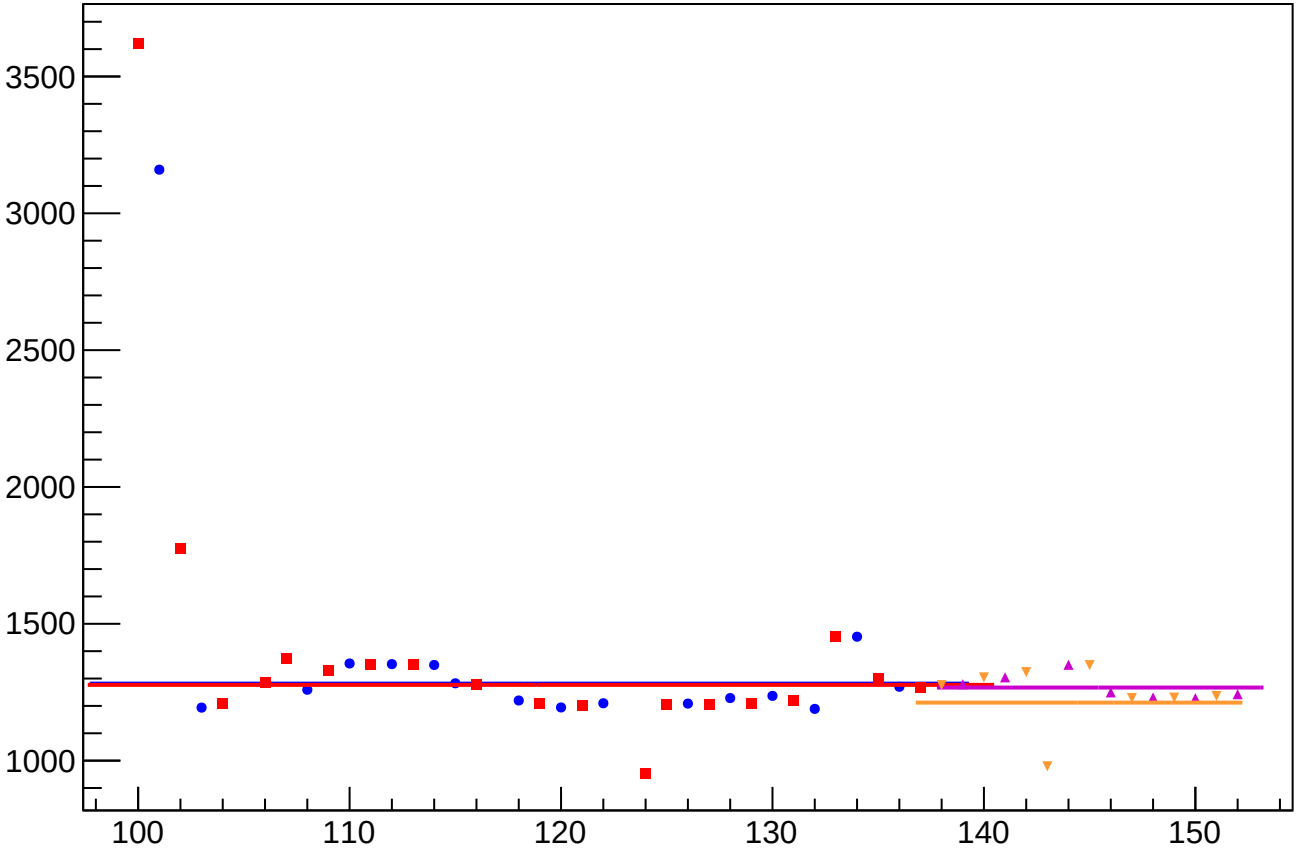
Left In: 194.734+/-511.646 χ^2/NDF:4.0/6

+ sign 27.255+/-344.622 χ^2/NDF: 36.2/23

All: 180.799+/-245.154 χ^2/NDF: 57.5/49

- sign 338.103+/-348.816 χ^2/NDF: 20.8/25

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1212.007+/-0.346 χ^2/NDF:128840.7/7

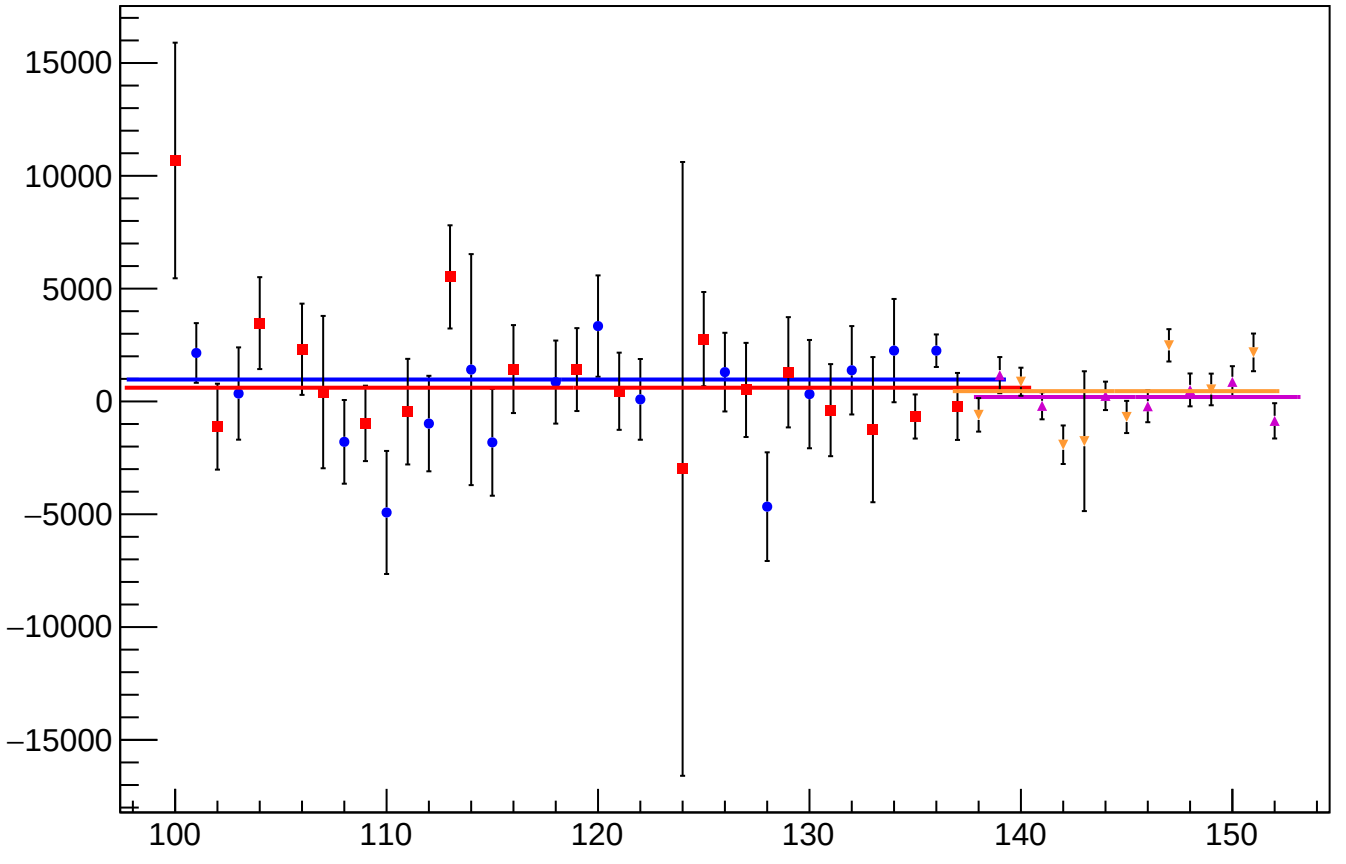
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1267.073+/-0.362 χ^2/NDF:12704.6/6

+ sign 1246.958+/-0.244 χ^2/NDF: 656172.5/23

All: 1259.481+/-0.173 χ^2/NDF: 895129.2/49

- sign 1272.311+/-0.247 χ^2/NDF: 233609.9/25



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 456.384+/-274.631 χ^2/NDF:25.5/7

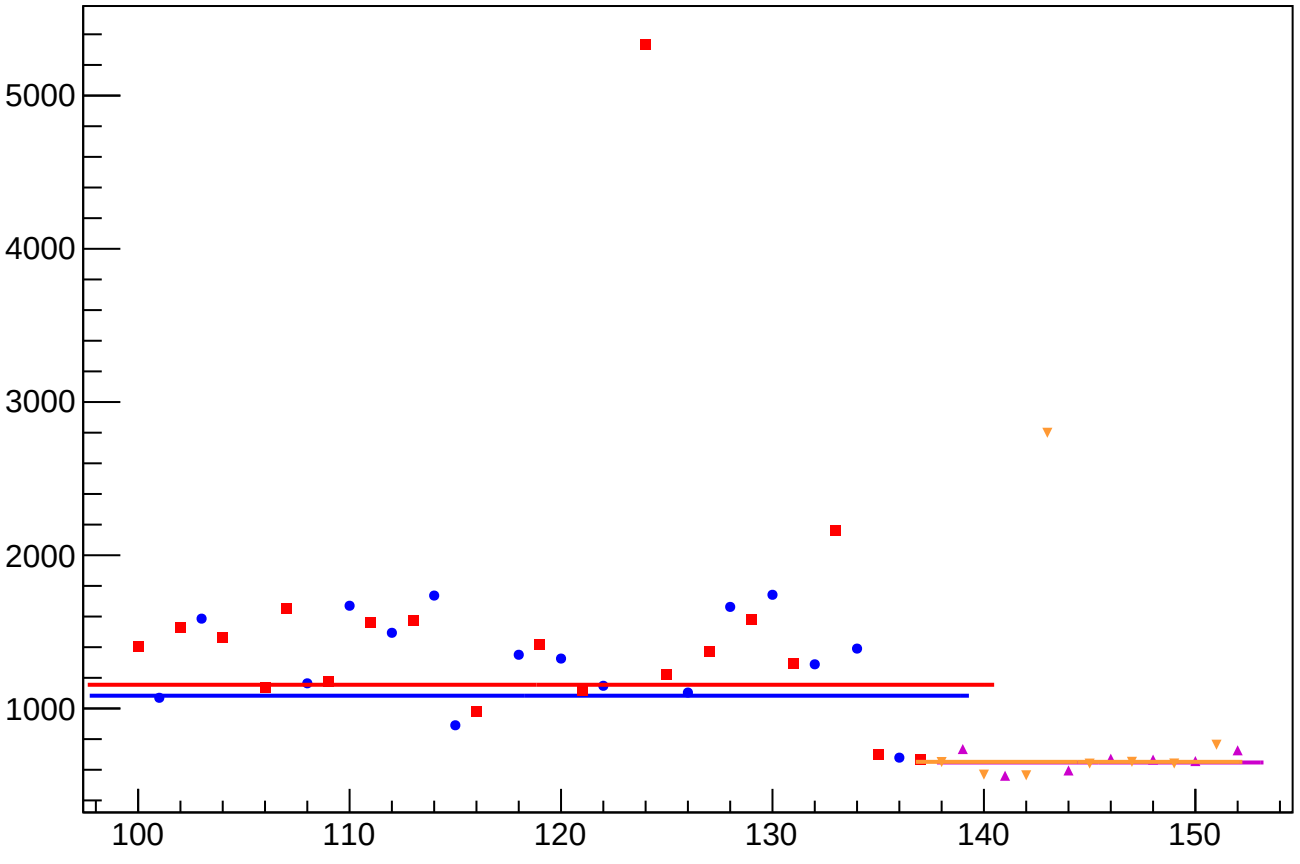
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 196.797+/-263.029 χ^2/NDF:5.2/6

+ sign 608.240+/-230.698 χ^2/NDF: 47.0/23

All: 452.713+/-161.729 χ^2/NDF: 70.9/49

- sign 302.410+/-226.790 χ^2/NDF: 22.9/25



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 651.678+/-0.194 χ^2/NDF:1054627.9/7

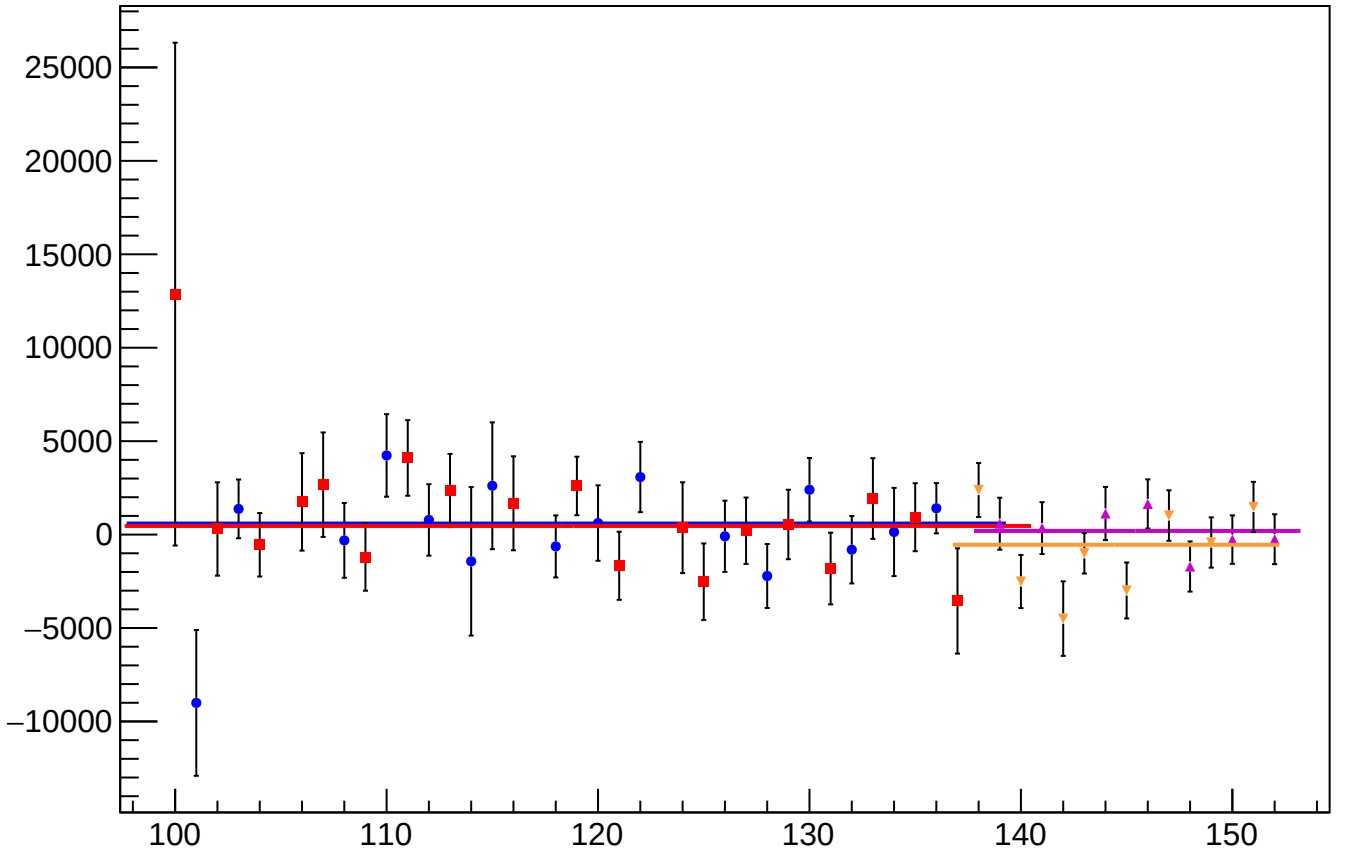
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 647.485+/-0.186 χ^2/NDF:104248.1/6

+ sign 778.736+/-0.163 χ^2/NDF: 3869141.1/23

All: 778.172+/-0.114 χ^2/NDF: 7370057.9/49

- sign 777.628+/-0.160 χ^2/NDF: 3500893.3/25



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -544.650+/-489.278 χ^2/NDF:16.4/7

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

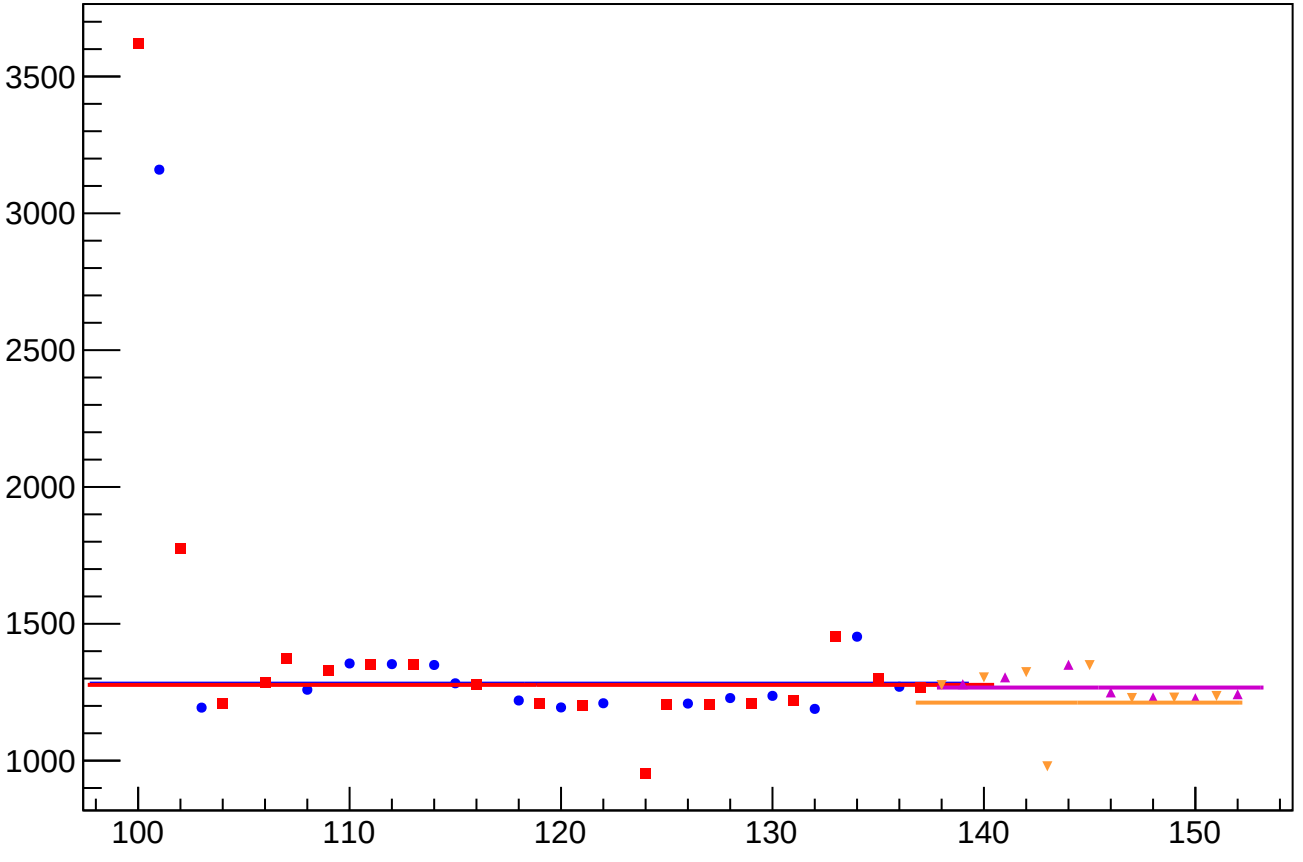
Left In: 194.737+/-511.646 χ^2/NDF:4.0/6

+ sign 27.256+/-344.622 χ^2/NDF: 36.2/23

All: 180.800+/-245.154 χ^2/NDF: 57.5/49

- sign 338.104+/-348.816 χ^2/NDF: 20.8/25

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: 1212.007+/-0.346 χ^2/NDF:128840.0/7

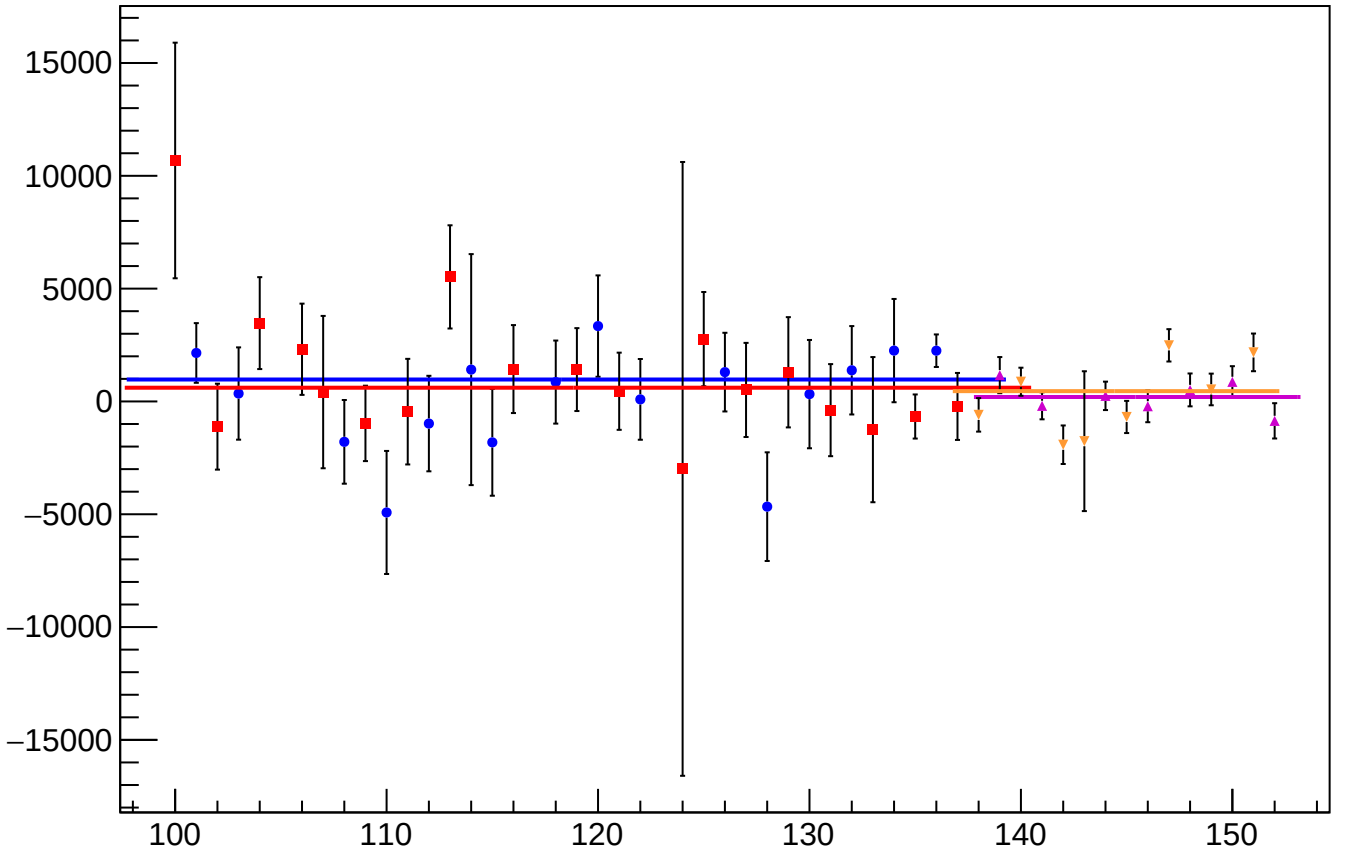
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1267.073+/-0.362 χ^2/NDF:12704.7/6

+ sign 1246.958+/-0.244 χ^2/NDF: 656171.7/23

All: 1259.481+/-0.173 χ^2/NDF: 895128.3/49

- sign 1272.311+/-0.247 χ^2/NDF: 233609.8/25



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 456.388+/-274.632 χ^2/NDF:25.5/7

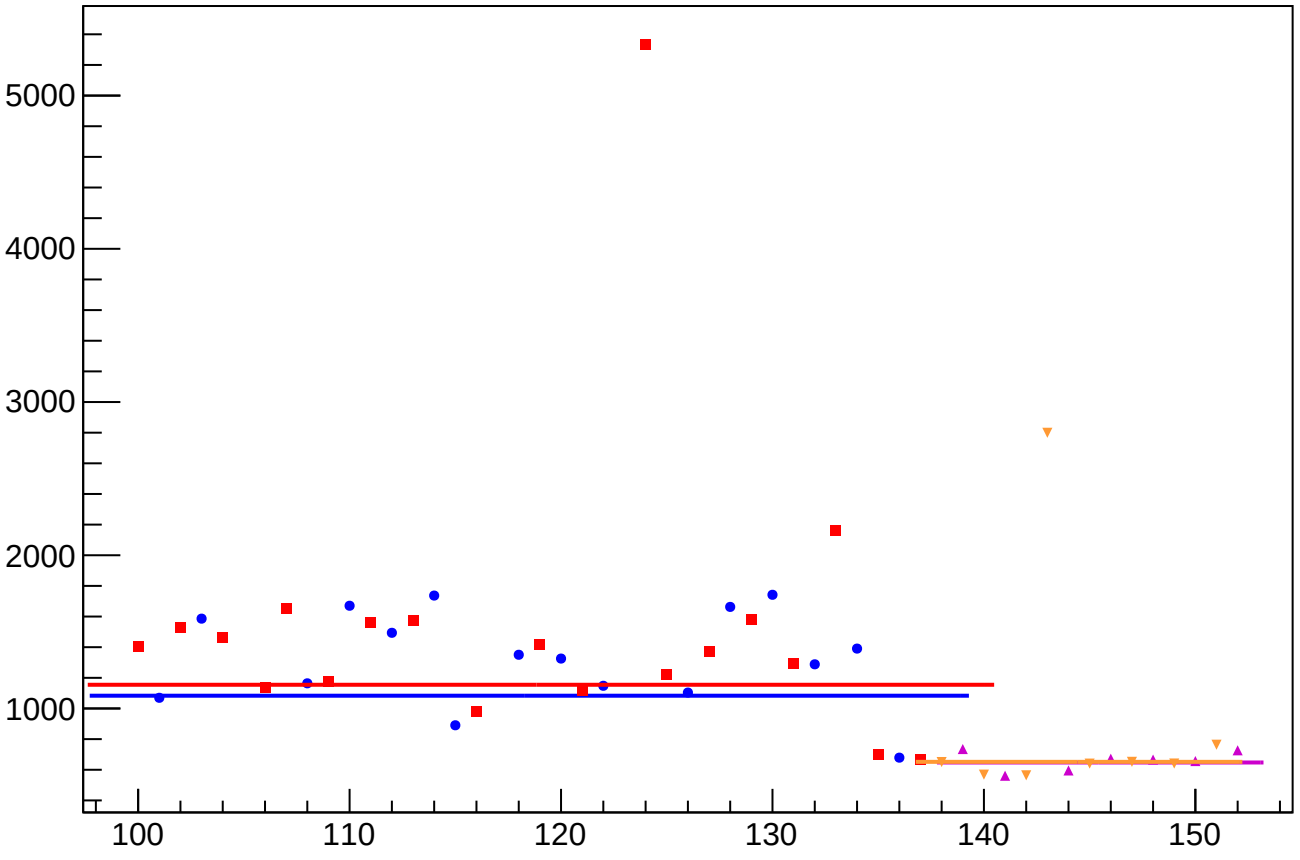
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 196.797+/-263.029 χ^2/NDF:5.2/6

+ sign 608.241+/-230.699 χ^2/NDF: 47.0/23

All: 452.714+/-161.729 χ^2/NDF: 70.9/49

- sign 302.412+/-226.790 χ^2/NDF: 22.9/25



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 651.680+/-0.194 χ^2/NDF:1054624.2/7

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

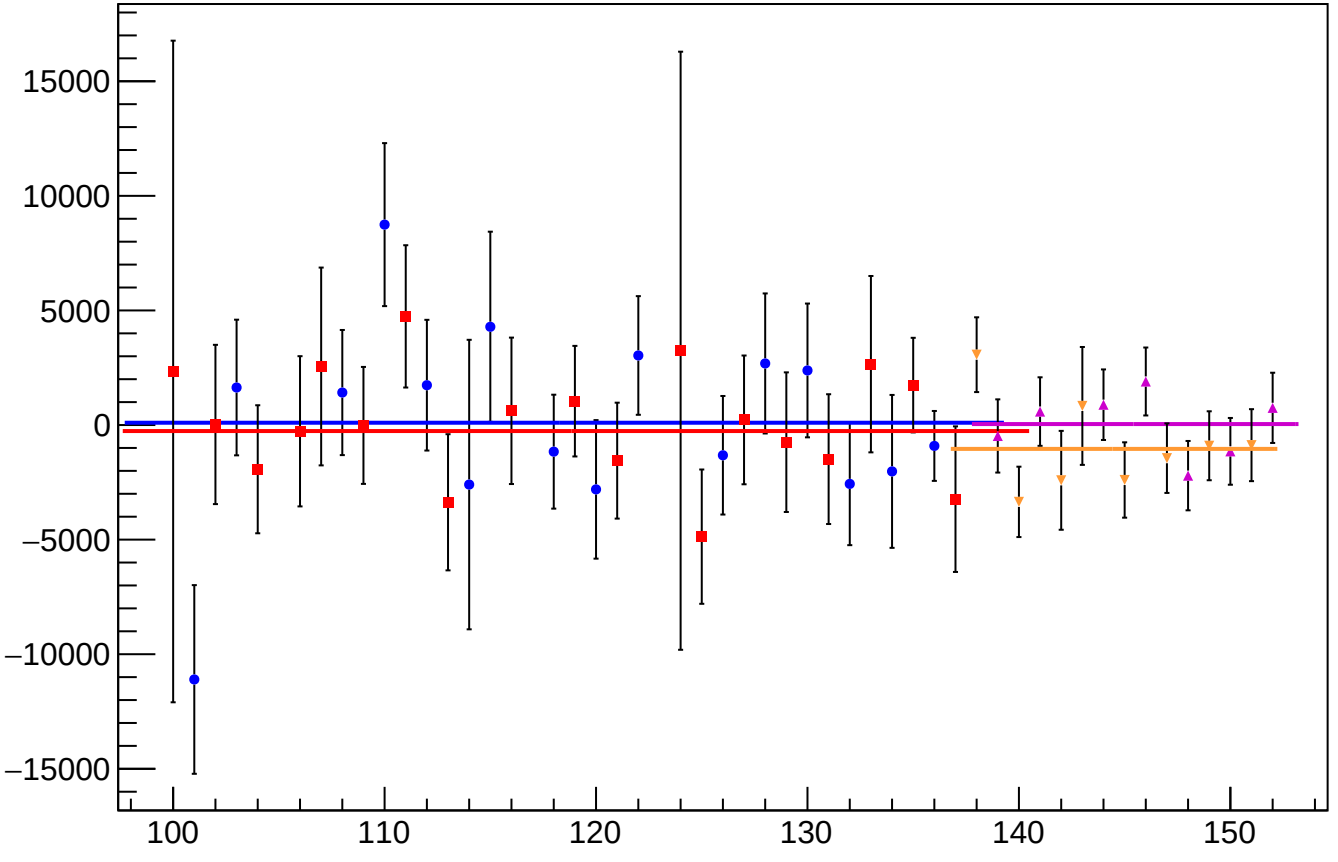
Left In: 647.484+/-0.186 χ^2/NDF:104250.8/6

+ sign 778.739+/-0.163 χ^2/NDF: 3869100.3/23

All: 778.174+/-0.114 χ^2/NDF: 7370012.9/49

- sign 777.628+/-0.160 χ^2/NDF: 3500889.0/25

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1041.060+/-595.684 χ^2/NDF:10.3/7

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

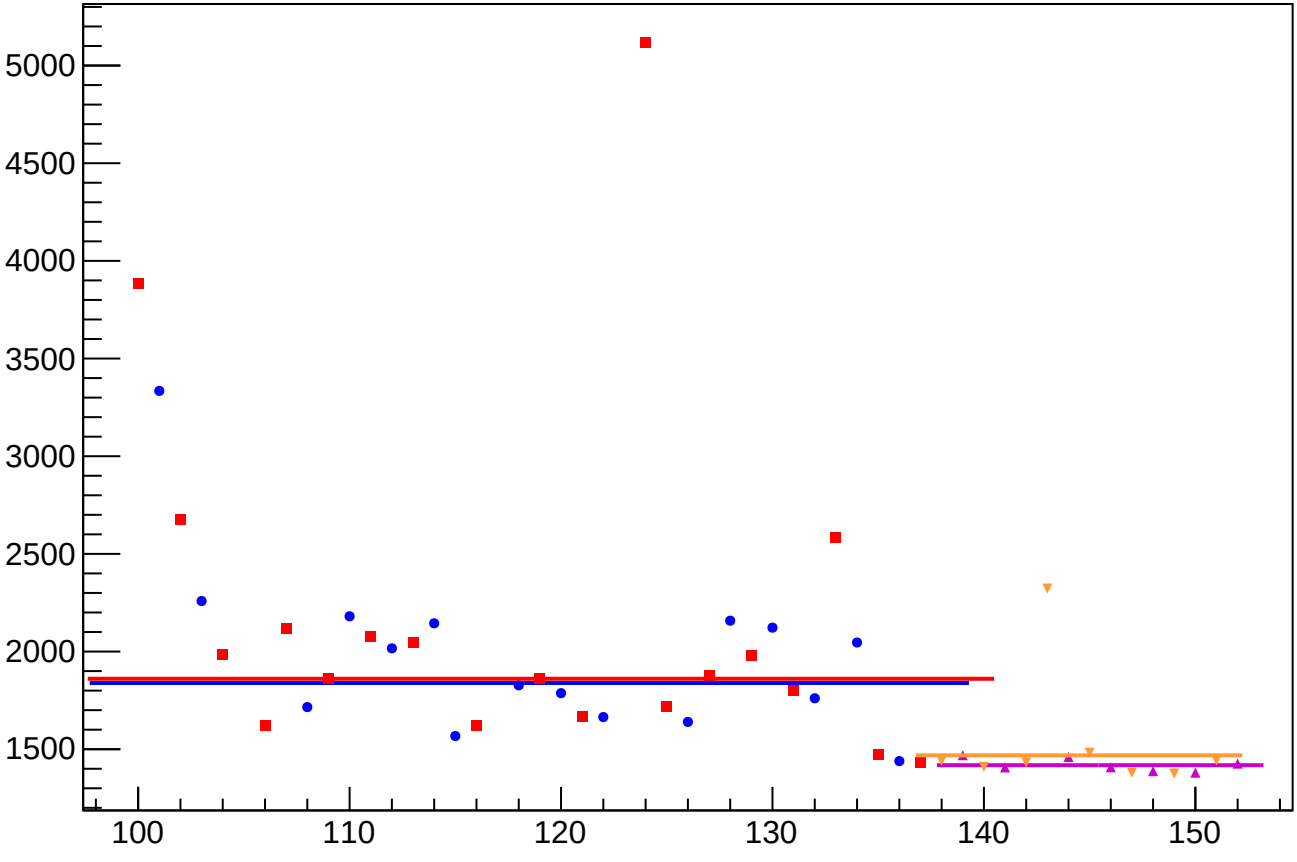
Left In: 42.131+/-572.584 χ^2/NDF:5.2/6

+ sign -560.807+/-453.379 χ^2/NDF: 33.2/23

All: -314.978+/-316.902 χ^2/NDF: 49.4/49

- sign -80.137+/-443.130 χ^2/NDF: 15.7/25

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1468.785+/-0.421 χ^2/NDF:239717.2/7

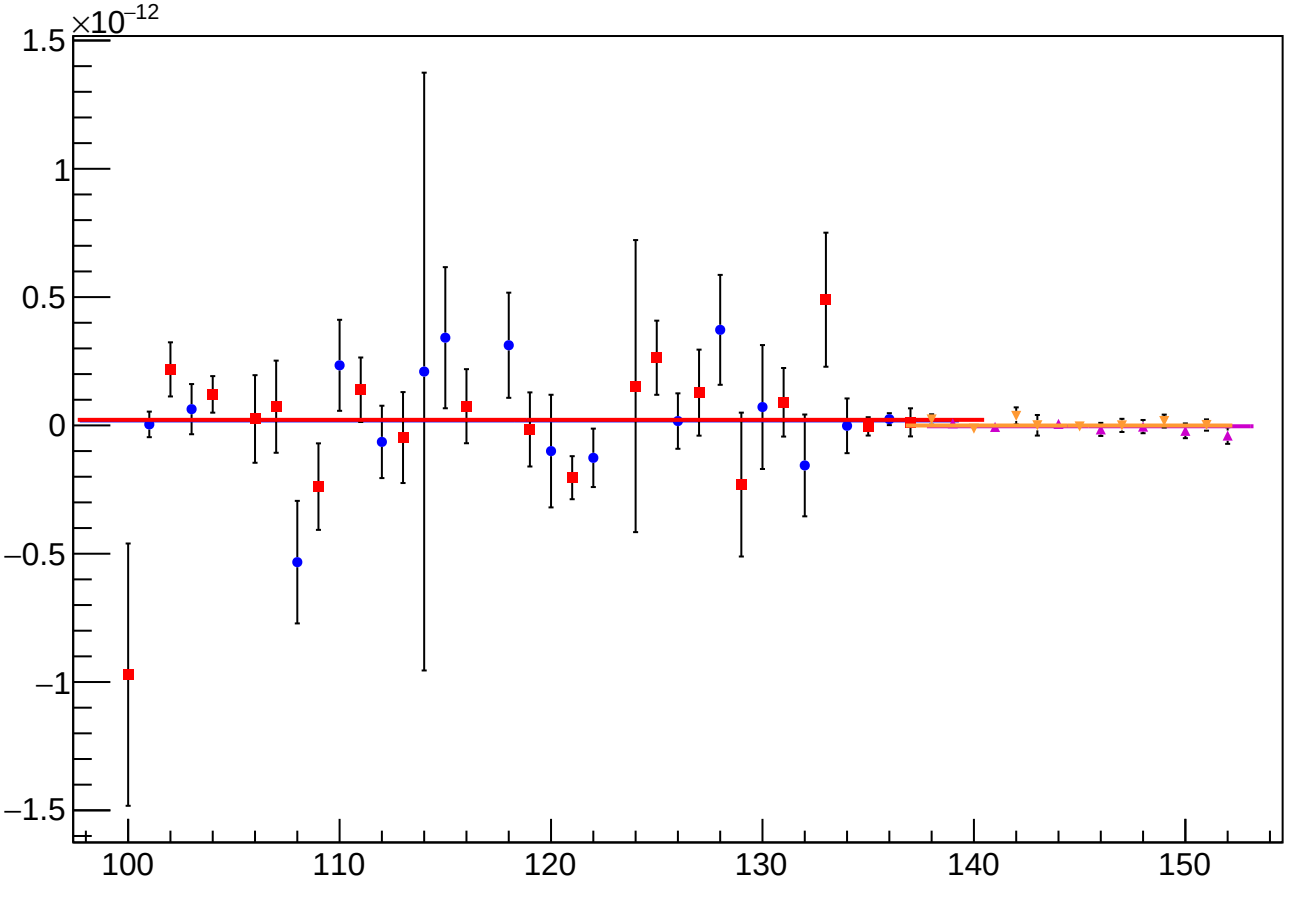
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1418.257+/-0.405 χ^2/NDF:6024.7/6

+ sign 1624.588+/-0.321 χ^2/NDF: 1121652.1/23

All: 1609.828+/-0.224 χ^2/NDF: 2132991.7/49

- sign 1595.727+/-0.313 χ^2/NDF: 1007194.5/25



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/7

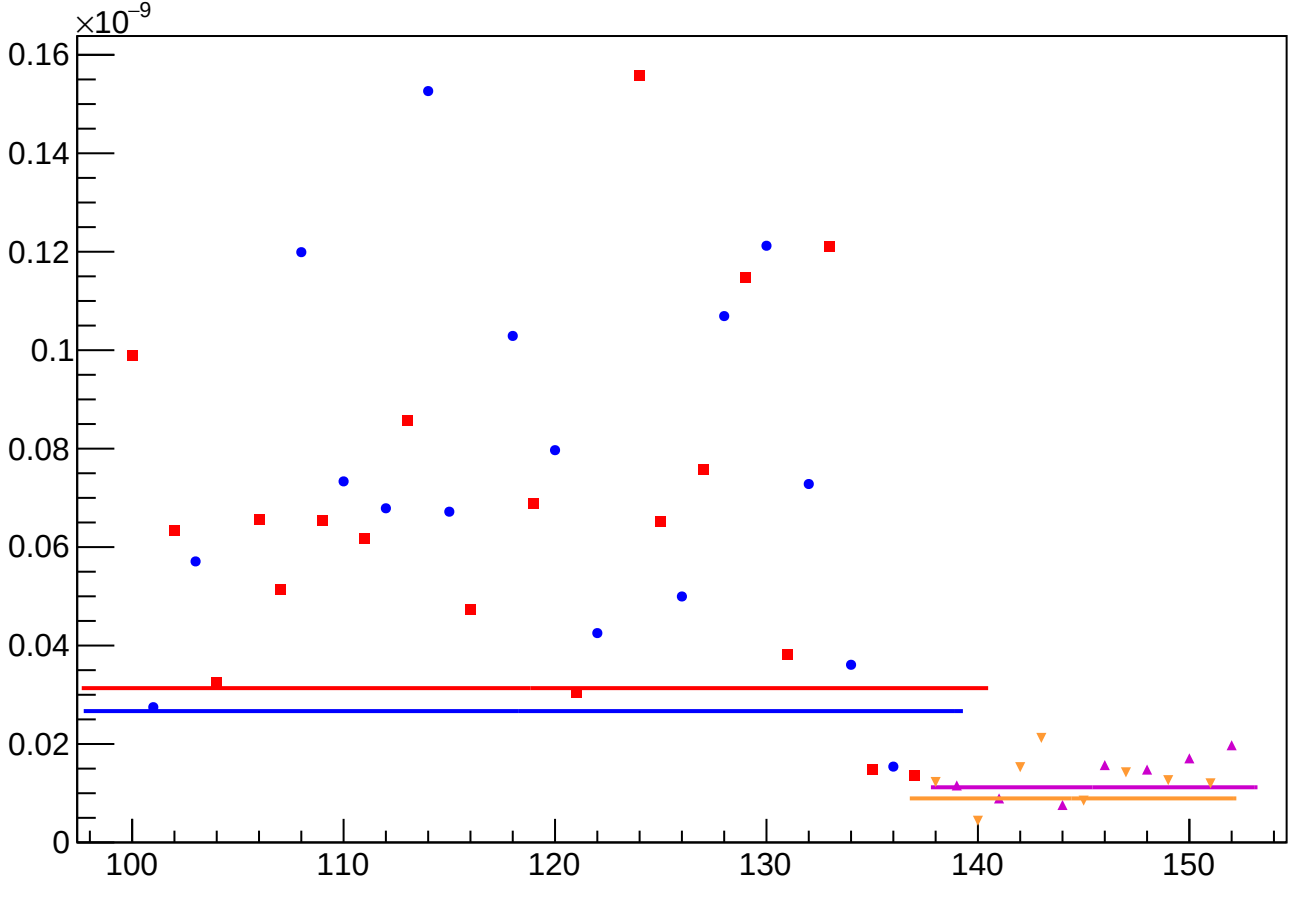
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 22.0/23

All: 0.000+/-0.000 χ^2/NDF: 54.1/49

- sign -0.000+/-0.000 χ^2/NDF: 32.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:844883.1/7

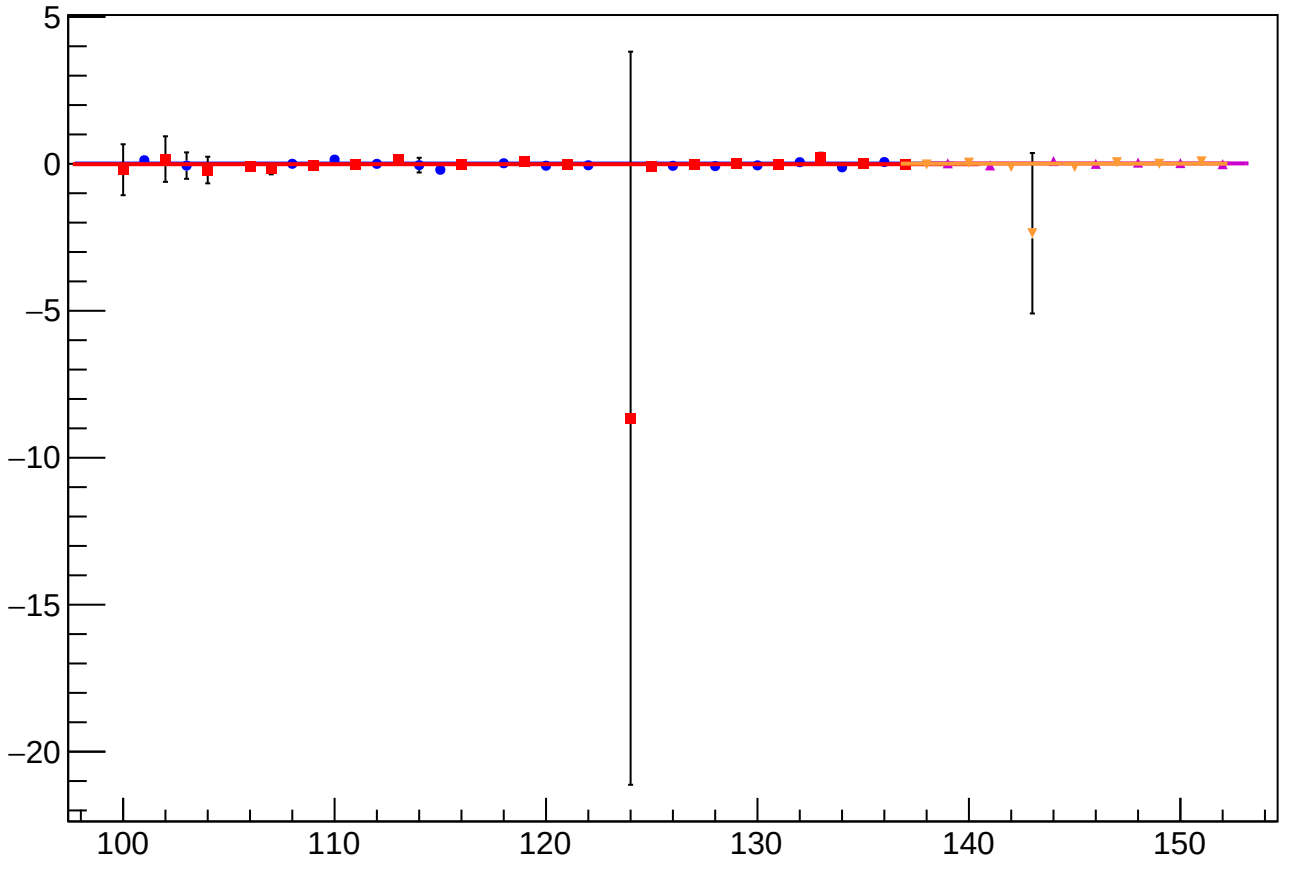
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:510308.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 5004038.1/23

All: 0.000+/-0.000 χ^2/NDF: 9372968.8/49

- sign 0.000+/-0.000 χ^2/NDF: 4248889.9/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

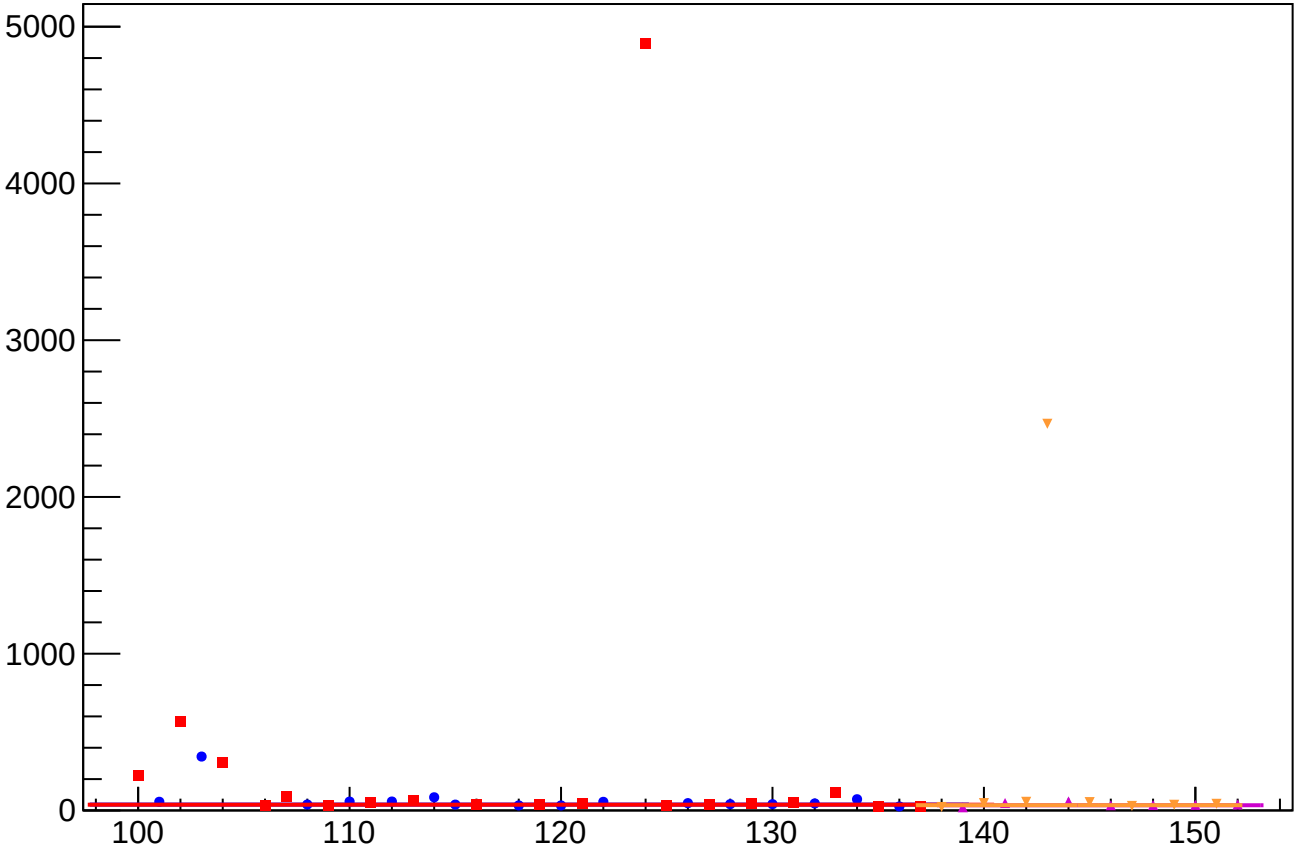
Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.5/49

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25

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: 33.647+/-0.011 χ^2/NDF:2486052.1/7

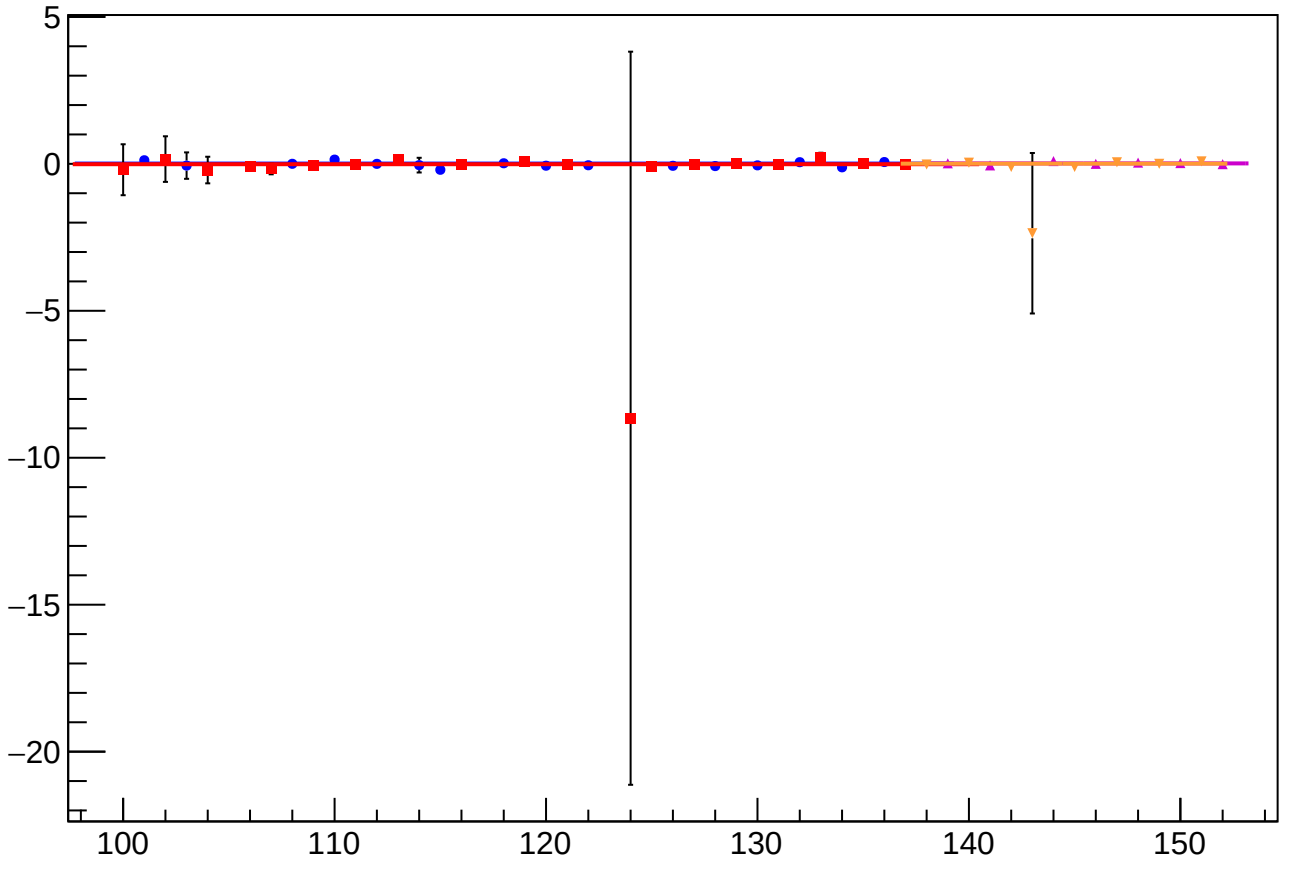
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.229+/-0.011 χ^2/NDF:938959.2/6

\+ sign 35.579+/-0.008 χ^2/NDF: 4526329.9/23

All: 35.191+/-0.006 χ^2/NDF: 8710428.7/49

\- sign 34.820+/-0.008 χ^2/NDF: 4179555.8/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

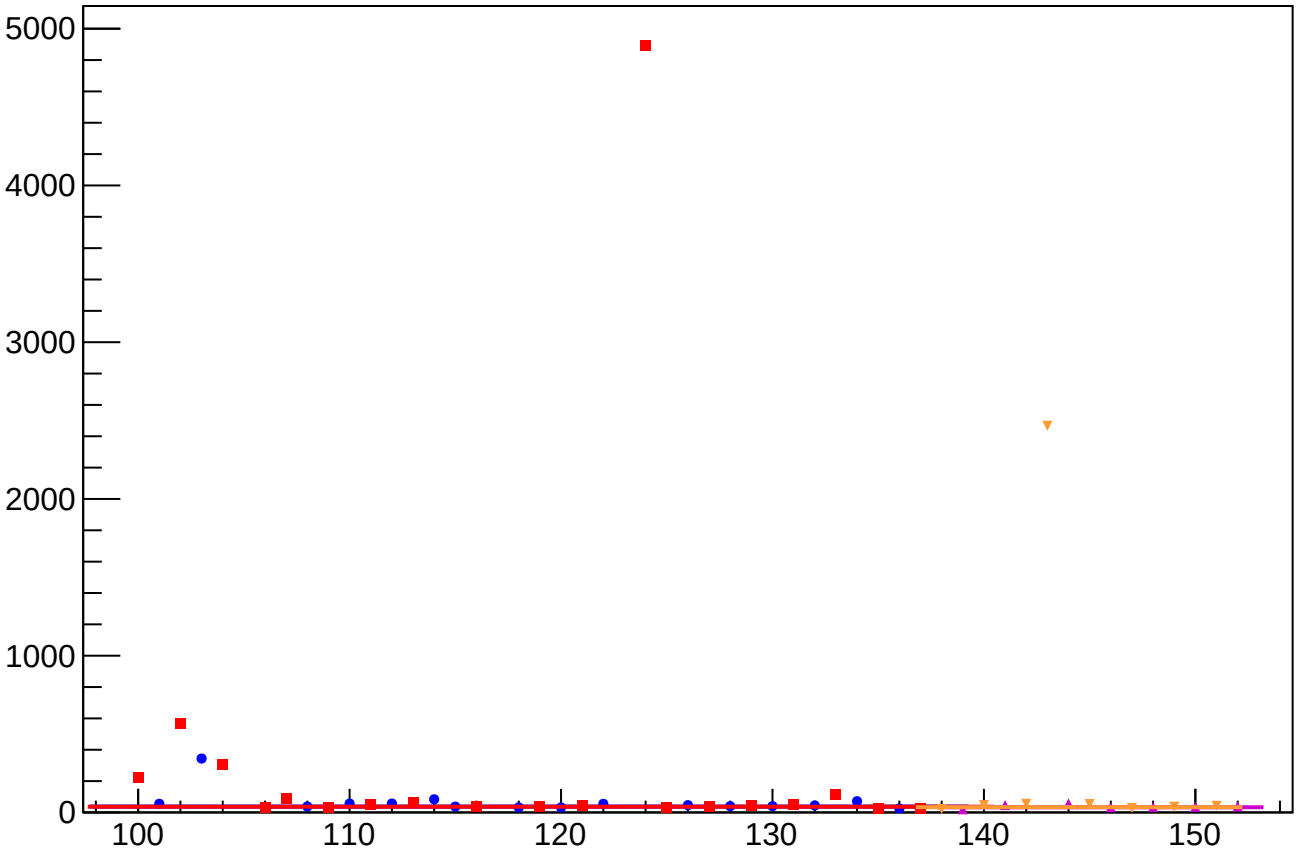
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.5/49

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.647+/-0.011 χ^2/NDF:2486052.1/7

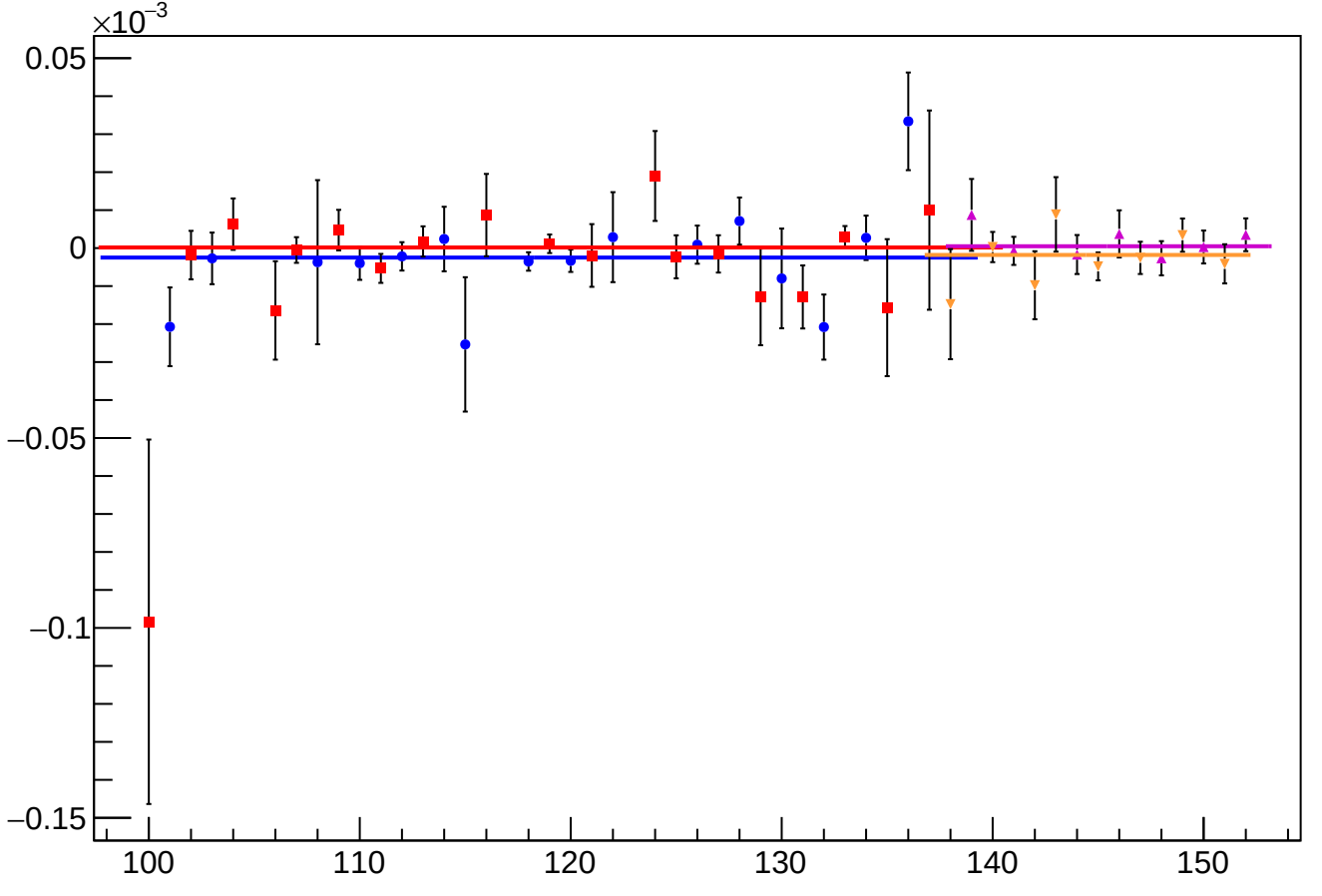
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.229+/-0.011 χ^2/NDF:938959.2/6

+ sign 35.579+/-0.008 χ^2/NDF: 4526329.9/23

All: 35.191+/-0.006 χ^2/NDF: 8710428.7/49

- sign 34.820+/-0.008 χ^2/NDF: 4179555.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/7

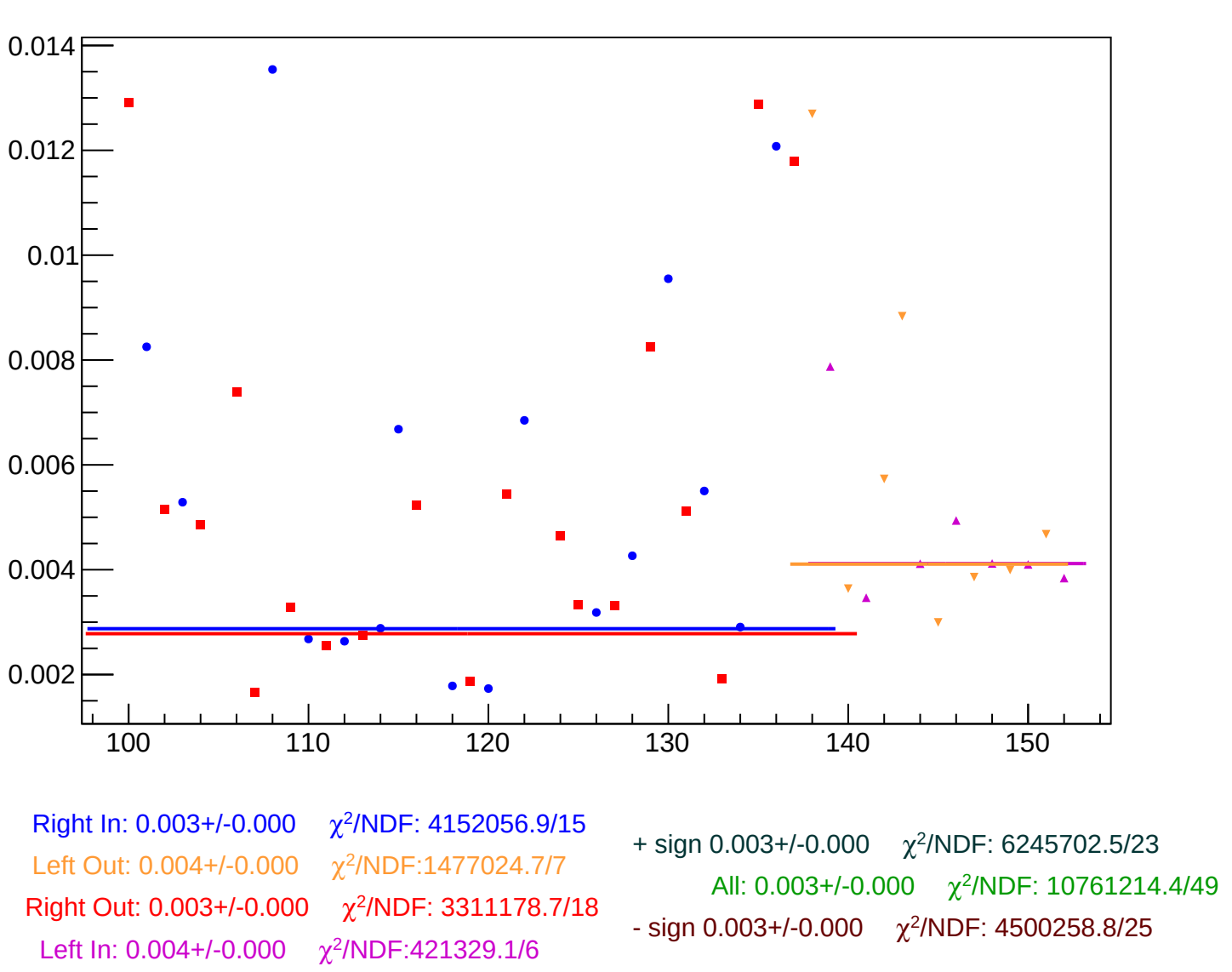
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

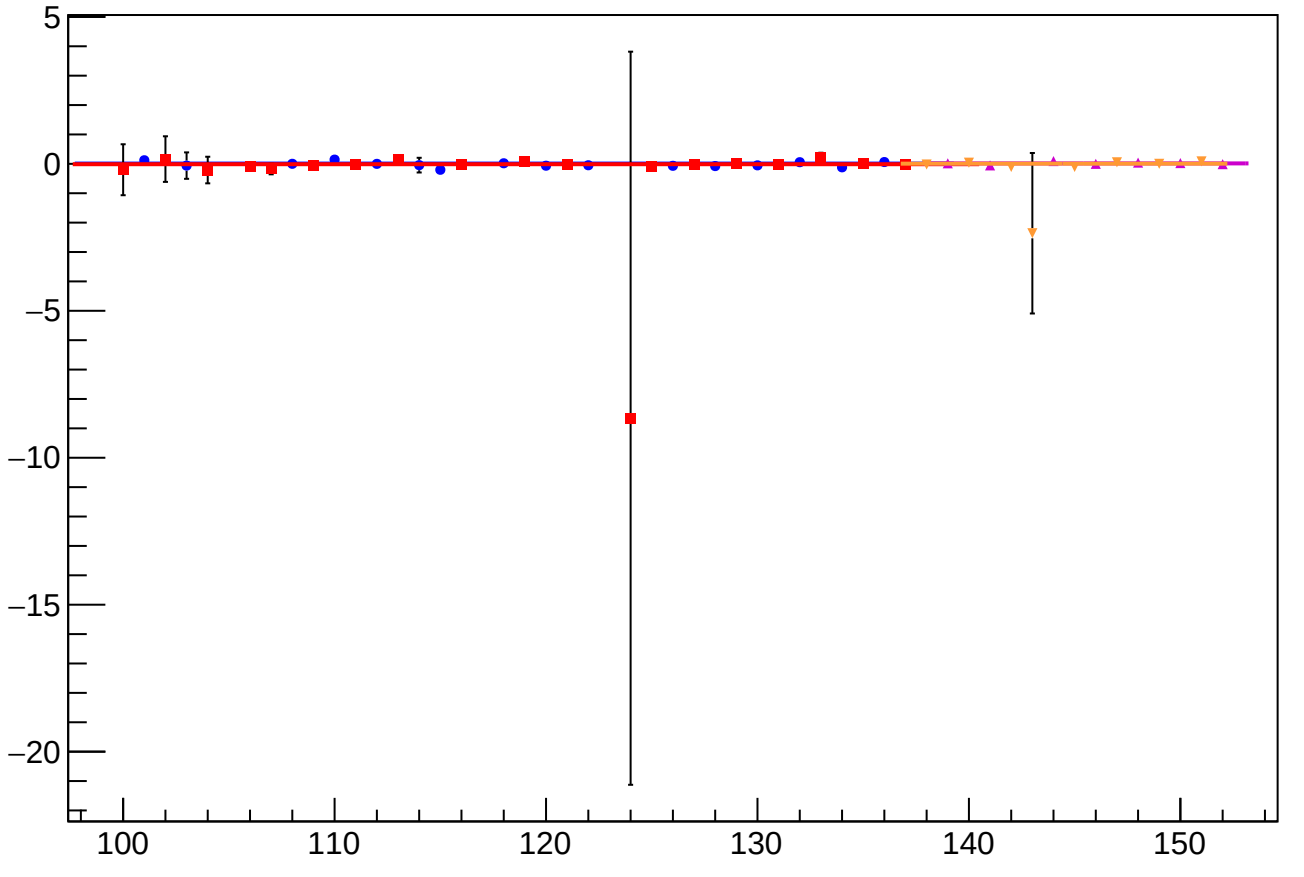
Left In: 0.000+/-0.000 χ^2/NDF:2.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 27.3/23

All: -0.000+/-0.000 χ^2/NDF: 51.6/49

- sign 0.000+/-0.000 χ^2/NDF: 21.2/25


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.004+/-0.000 χ²/NDF:1477024.7/7
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:421329.1/6
+ sign 0.003+/-0.000 χ²/NDF: 6245702.5/23
All: 0.003+/-0.000 χ²/NDF: 10761214.4/49
- sign 0.003+/-0.000 χ²/NDF: 4500258.8/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

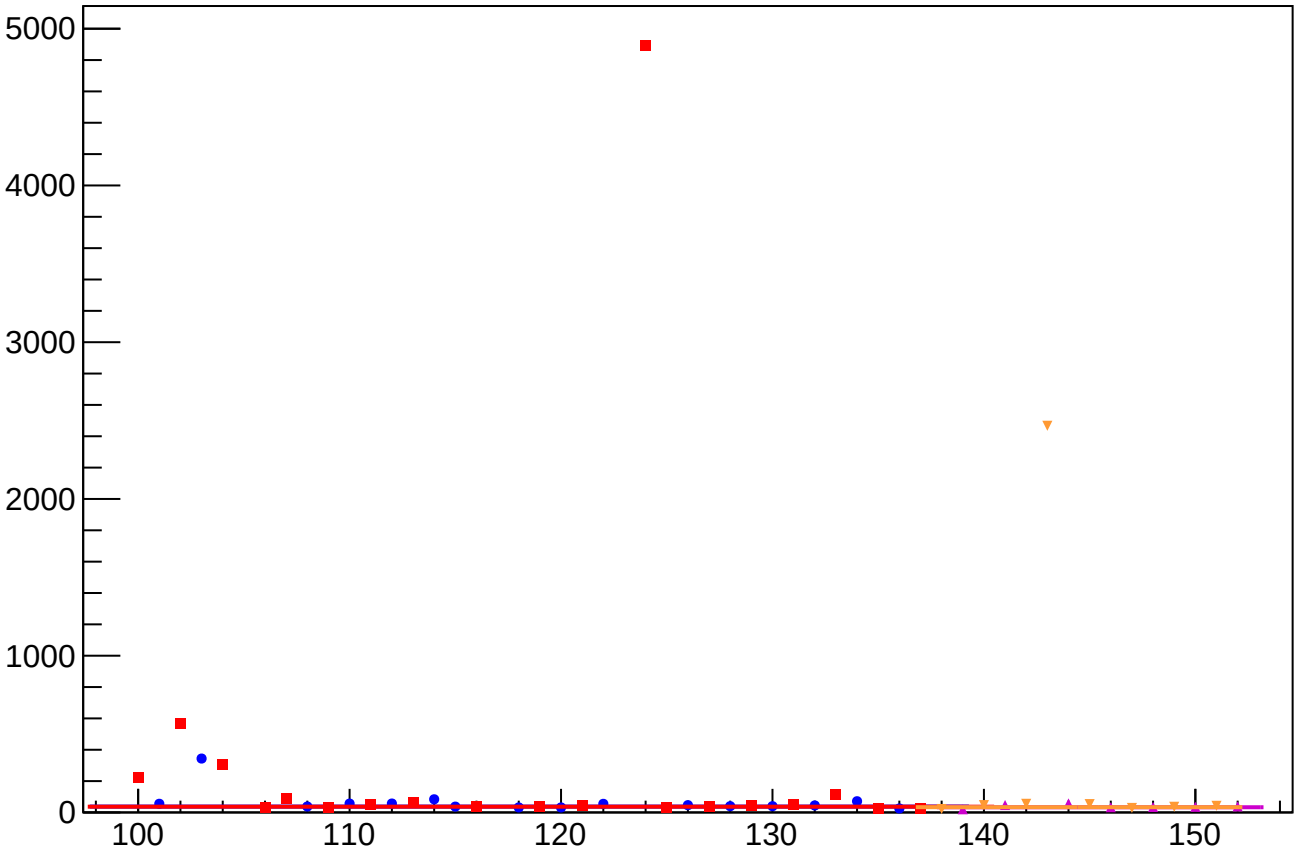
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.5/49

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.644+/-0.011 χ^2/NDF:2486425.7/7

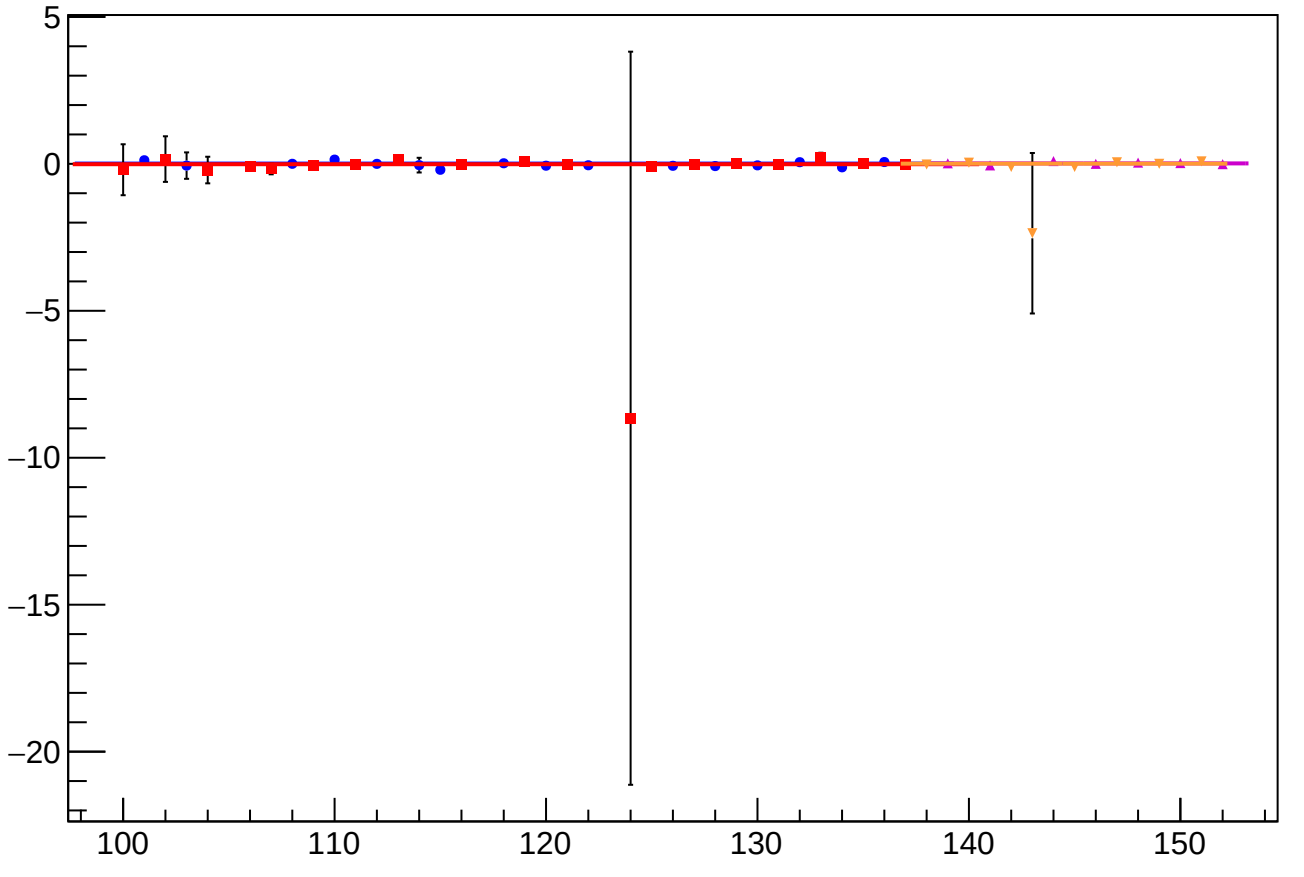
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.233+/-0.011 χ^2/NDF:938144.4/6

+ sign 35.578+/-0.008 χ^2/NDF: 4526743.0/23

All: 35.192+/-0.006 χ^2/NDF: 8709602.5/49

- sign 34.823+/-0.008 χ^2/NDF: 4178369.5/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

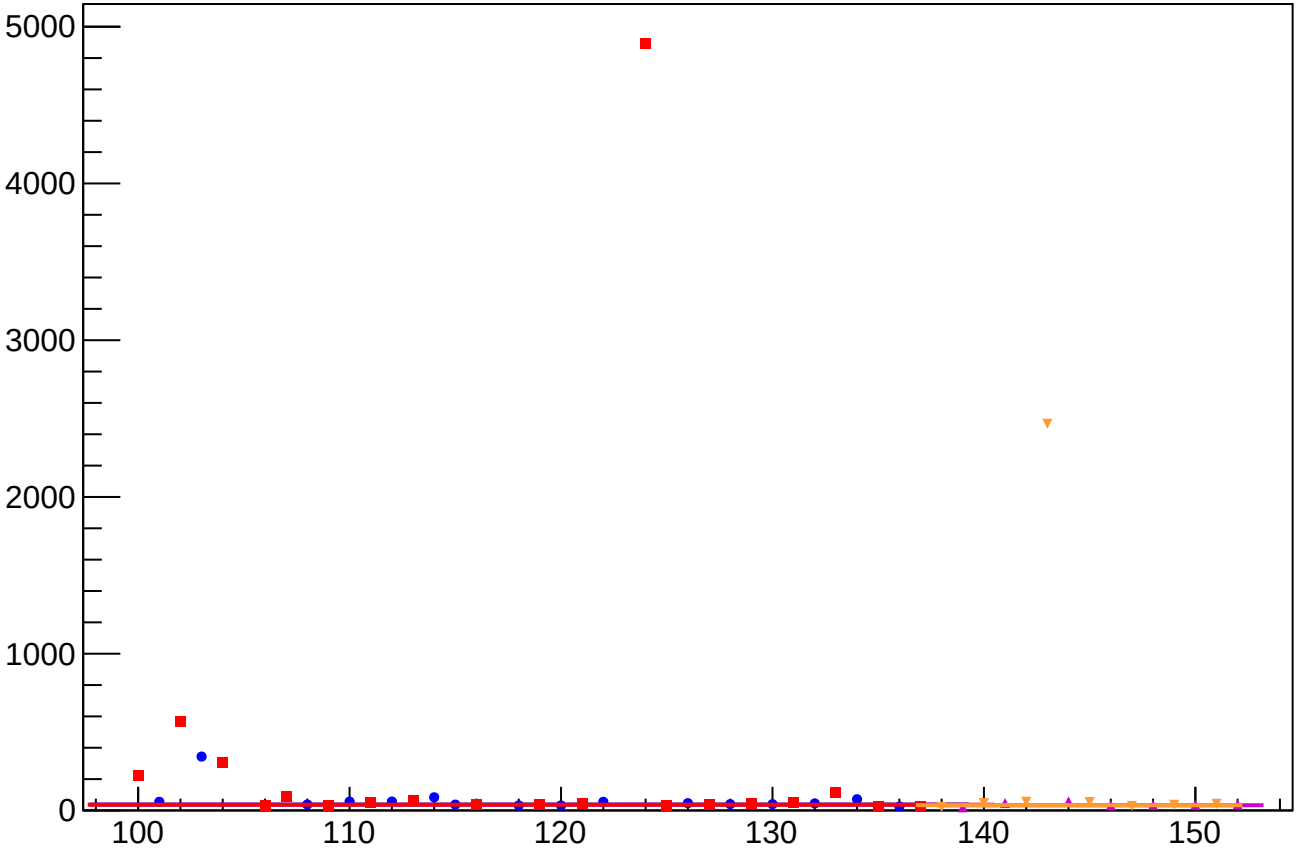
Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.5/49

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25

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: 33.644+/-0.011 χ^2/NDF:2486425.7/7

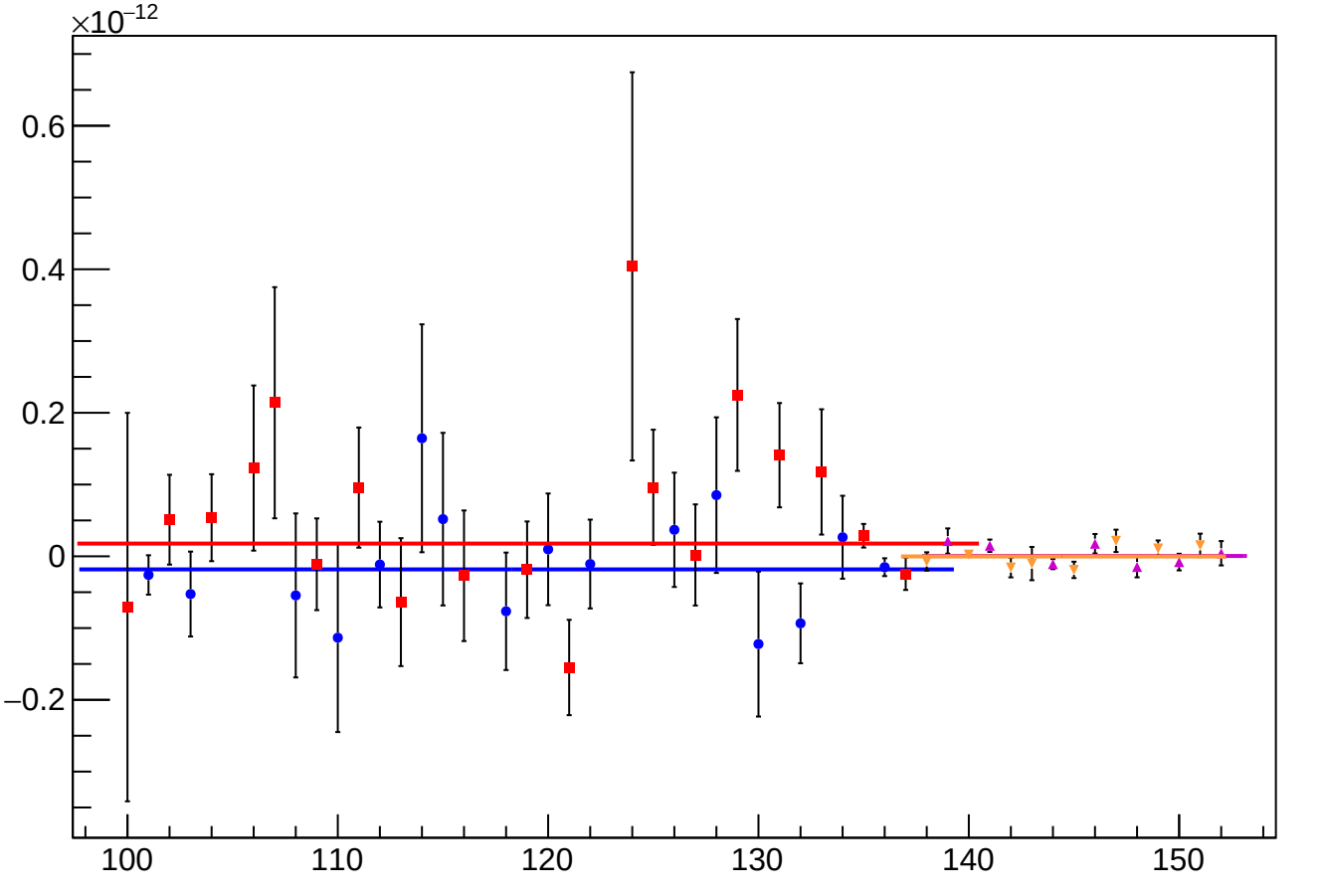
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.233+/-0.011 χ^2/NDF:938144.4/6

+ sign 35.578+/-0.008 χ^2/NDF: 4526743.0/23

All: 35.192+/-0.006 χ^2/NDF: 8709602.5/49

- sign 34.823+/-0.008 χ^2/NDF: 4178369.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.4/7

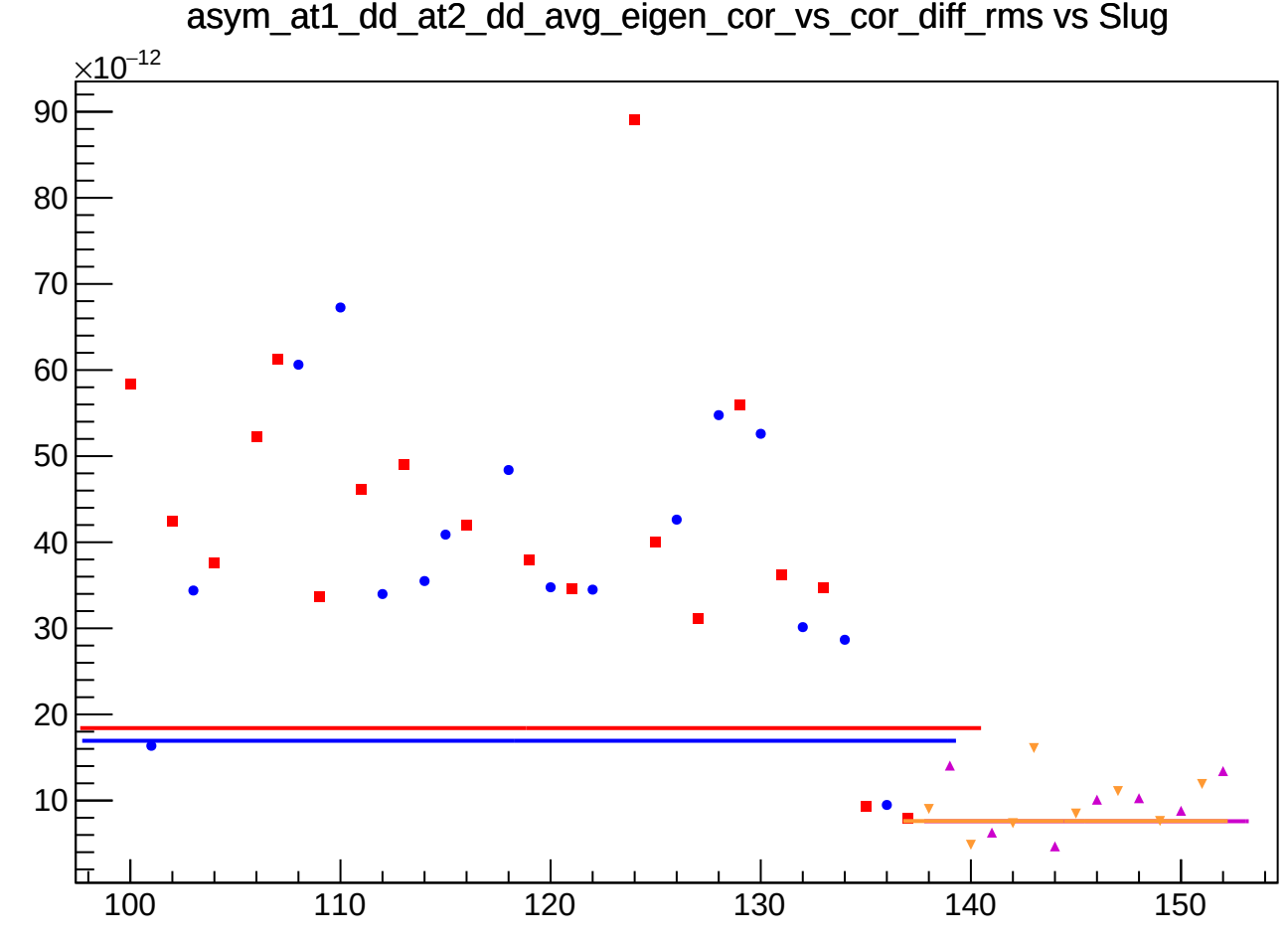
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 19.6/23

All: -0.000+/-0.000 χ^2/NDF: 60.0/49

- sign 0.000+/-0.000 χ^2/NDF: 39.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:878202.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

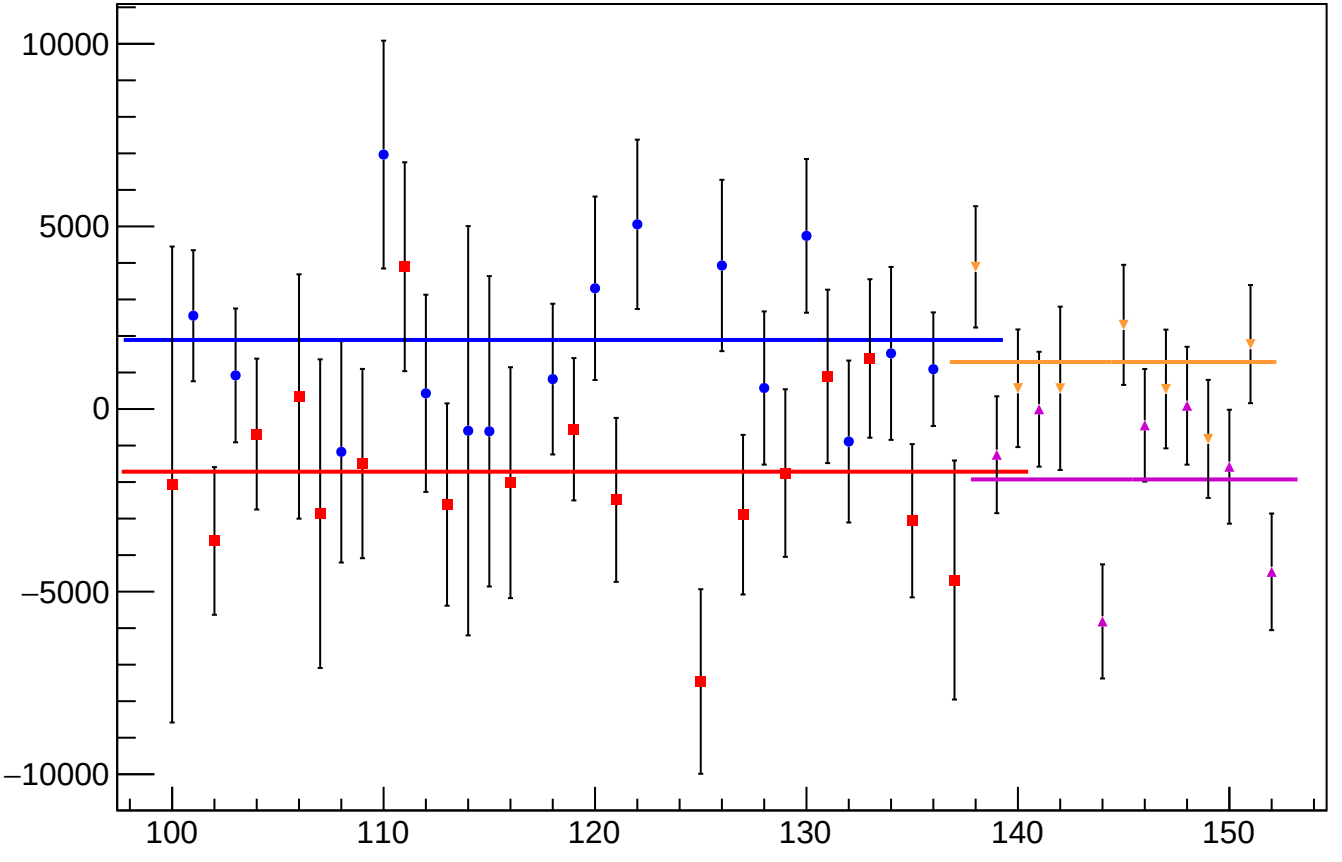
Left In: 0.000+/-0.000 χ^2/NDF:1056828.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 5593722.7/23

All: 0.000+/-0.000 χ^2/NDF: 12004502.9/49

- sign 0.000+/-0.000 χ^2/NDF: 6410537.9/25

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1287.452+/-637.463 χ^2/NDF:5.1/6

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

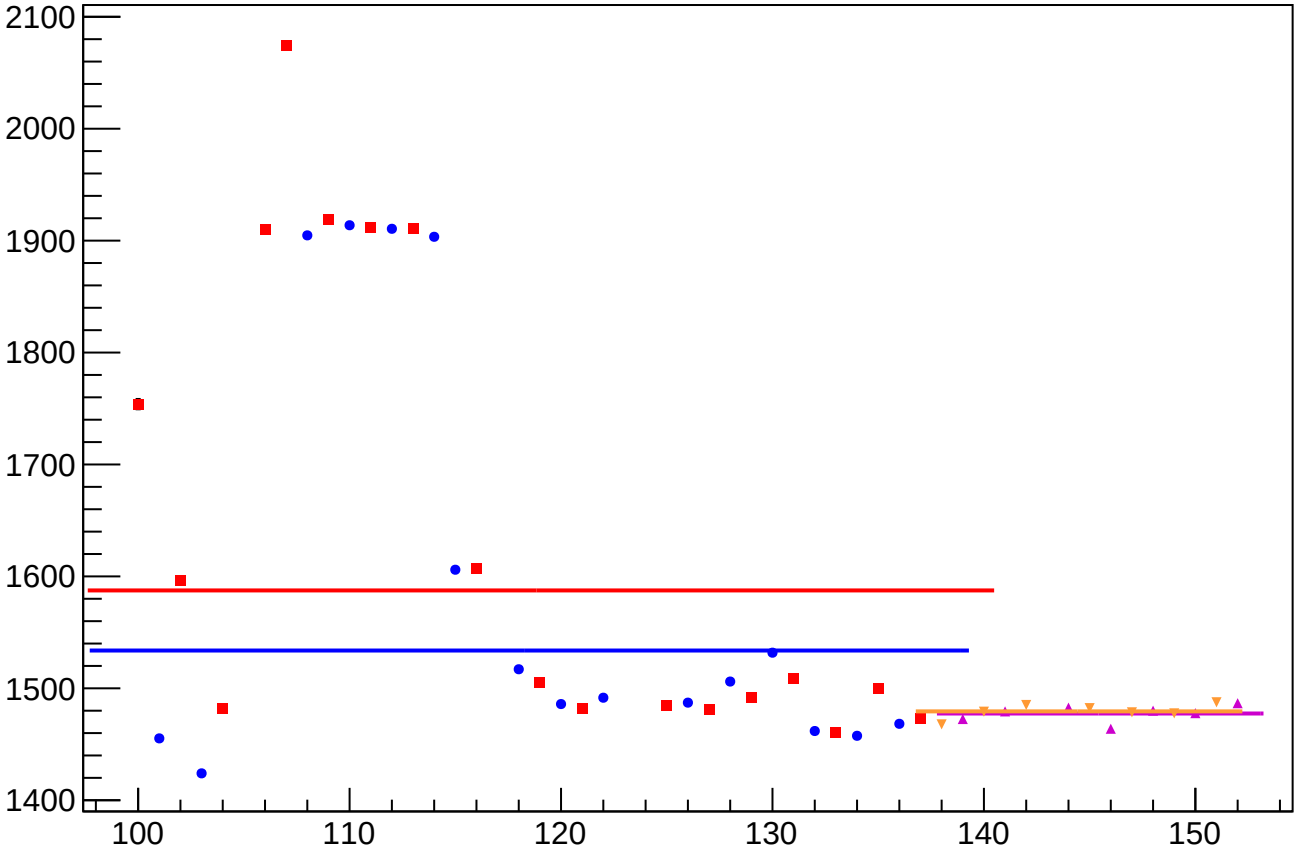
Left In: -1928.236+/-596.304 χ^2/NDF:12.9/6

+ sign 1621.924+/-425.834 χ^2/NDF: 17.9/22

All: -126.368+/-298.748 χ^2/NDF: 80.0/47

- sign -1820.858+/-419.231 χ^2/NDF: 28.9/24

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1479.396+/-0.451 χ^2/NDF:170.4/6

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

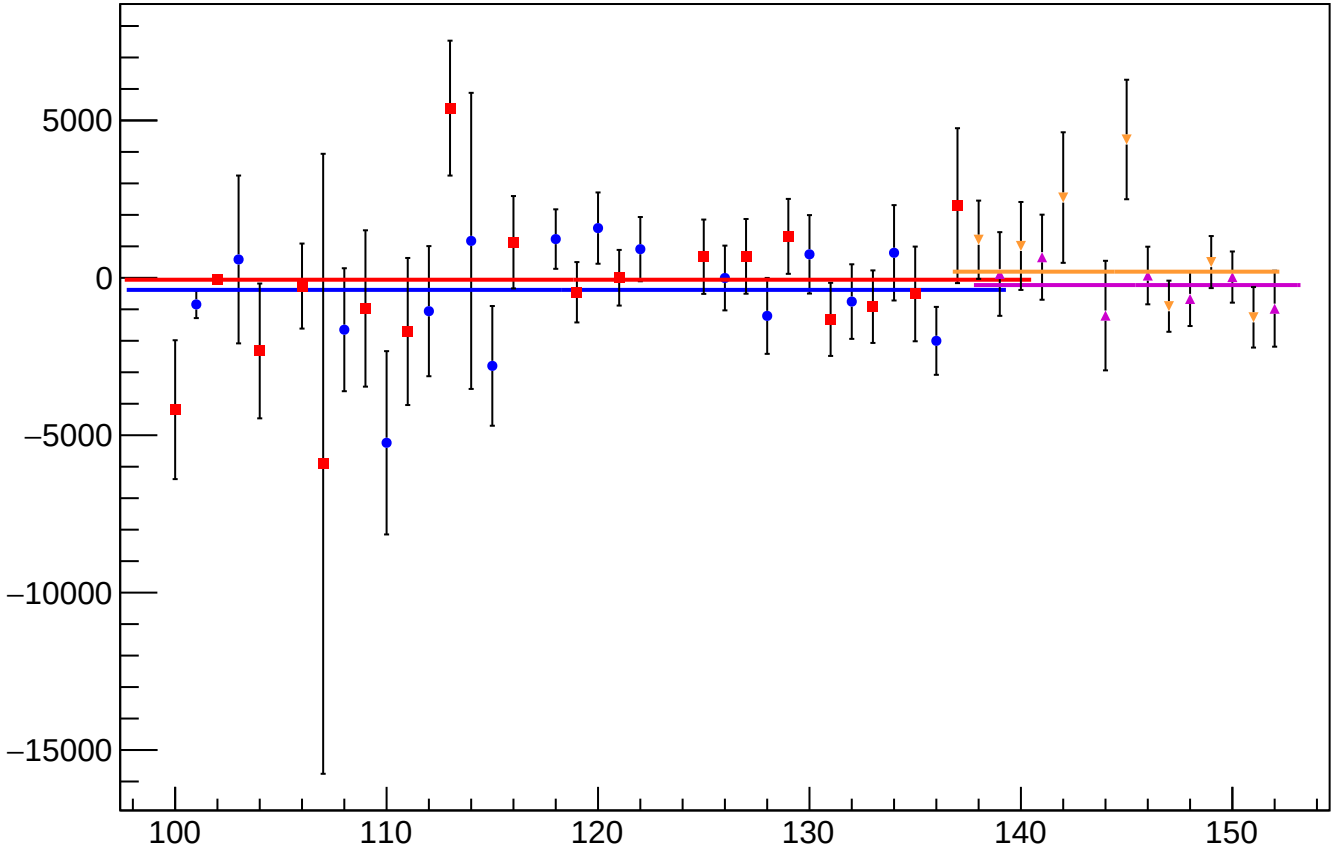
Left In: 1477.494+/-0.422 χ^2/NDF:272.0/6

+ sign 1509.506+/-0.301 χ^2/NDF: 137500.2/22

All: 1521.491+/-0.211 χ^2/NDF: 347278.4/47

- sign 1533.107+/-0.296 χ^2/NDF: 206658.6/24

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 195.863+/-417.730 χ^2/NDF:11.4/6

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

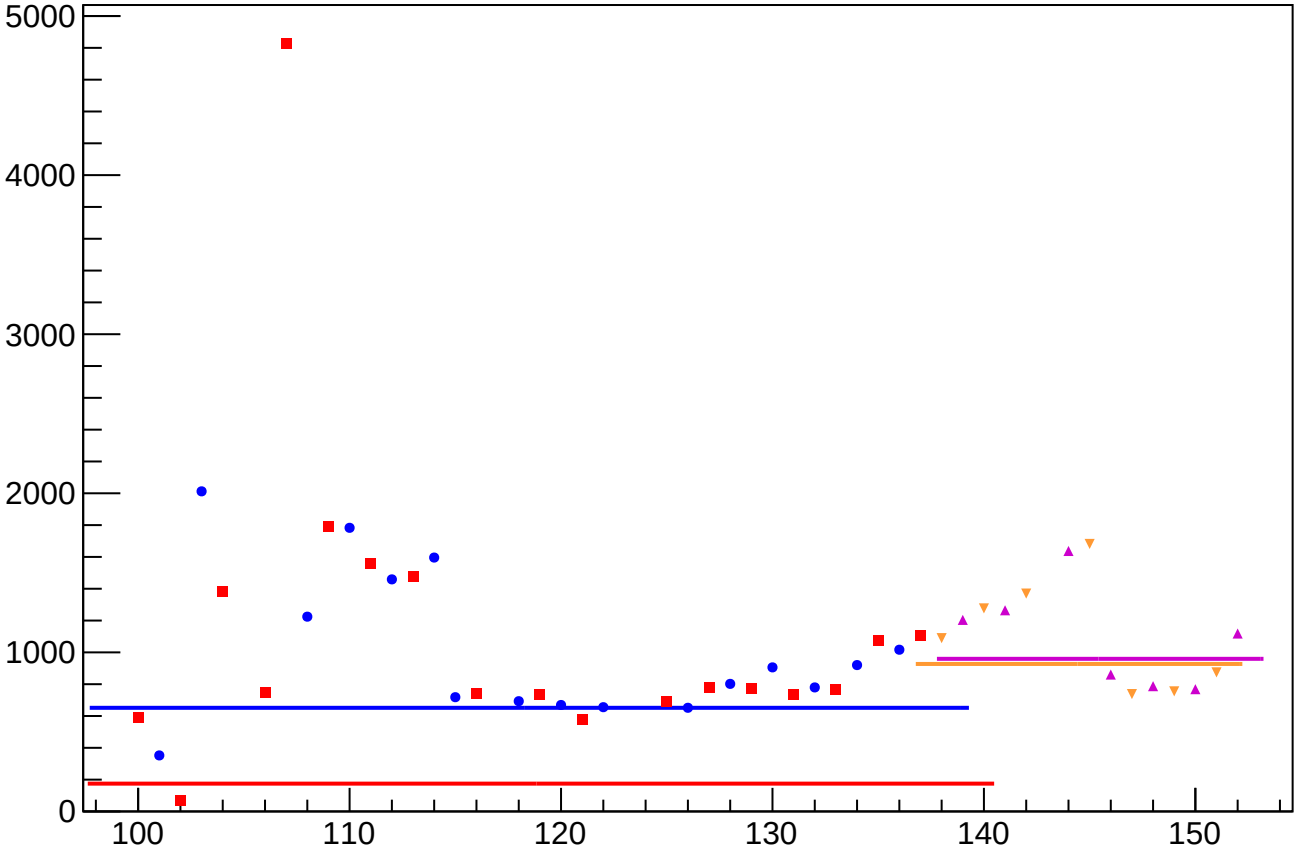
Left In: -229.737+/-402.008 χ^2/NDF:1.7/6

+ sign -210.312+/-228.061 χ^2/NDF: 31.0/22

All: -105.407+/-107.374 χ^2/NDF: 50.9/47

- sign -75.531+/-121.708 χ^2/NDF: 19.6/24

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 927.178+/-0.295 χ^2/NDF:767509.8/6

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

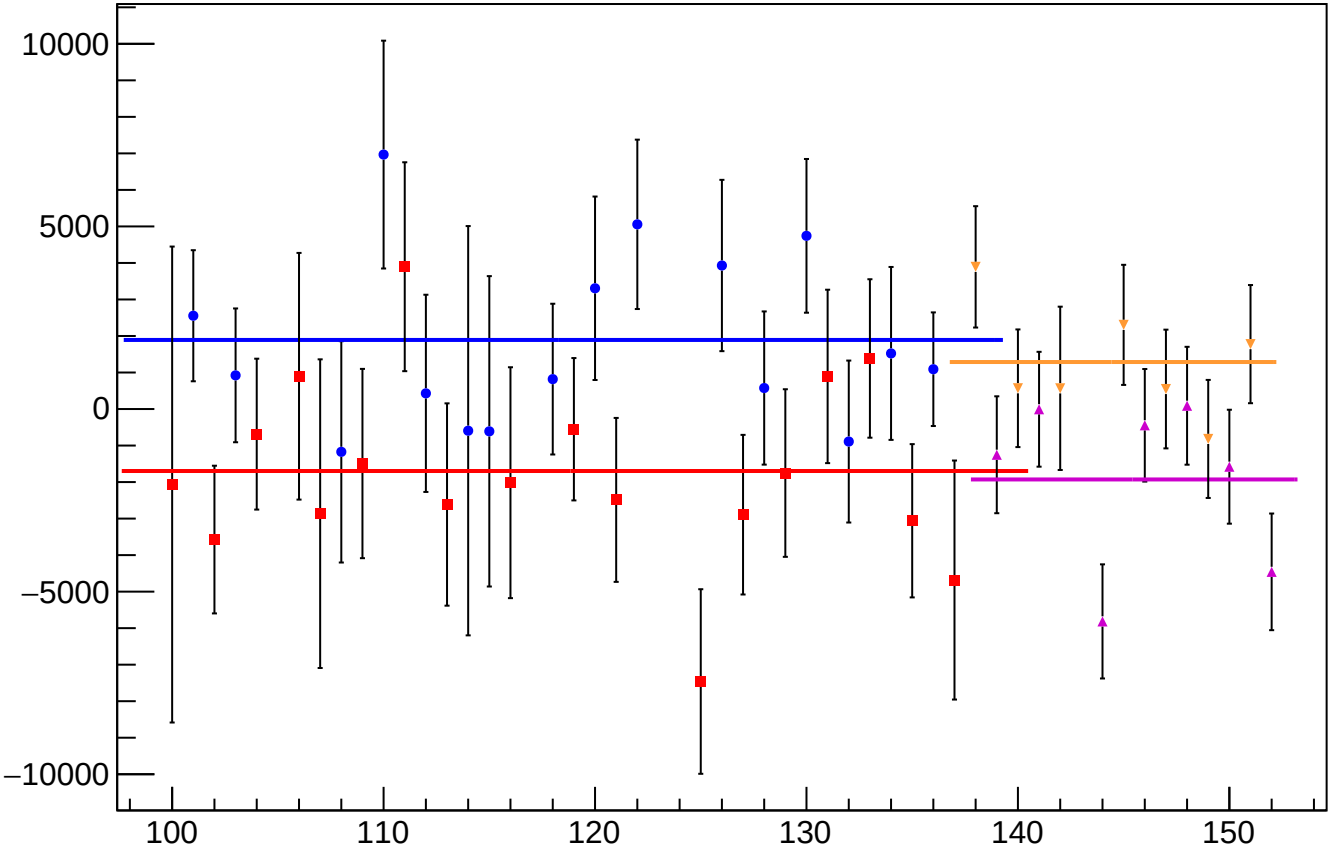
Left In: 959.451+/-0.284 χ^2/NDF:721449.6/6

+ sign 733.686+/-0.161 χ^2/NDF: 4141483.4/22

All: 354.732+/-0.076 χ^2/NDF: 28638026.4/47

- sign 246.808+/-0.086 χ^2/NDF: 17401836.8/24

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1287.306+/-637.463 χ^2/NDF:5.1/6

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

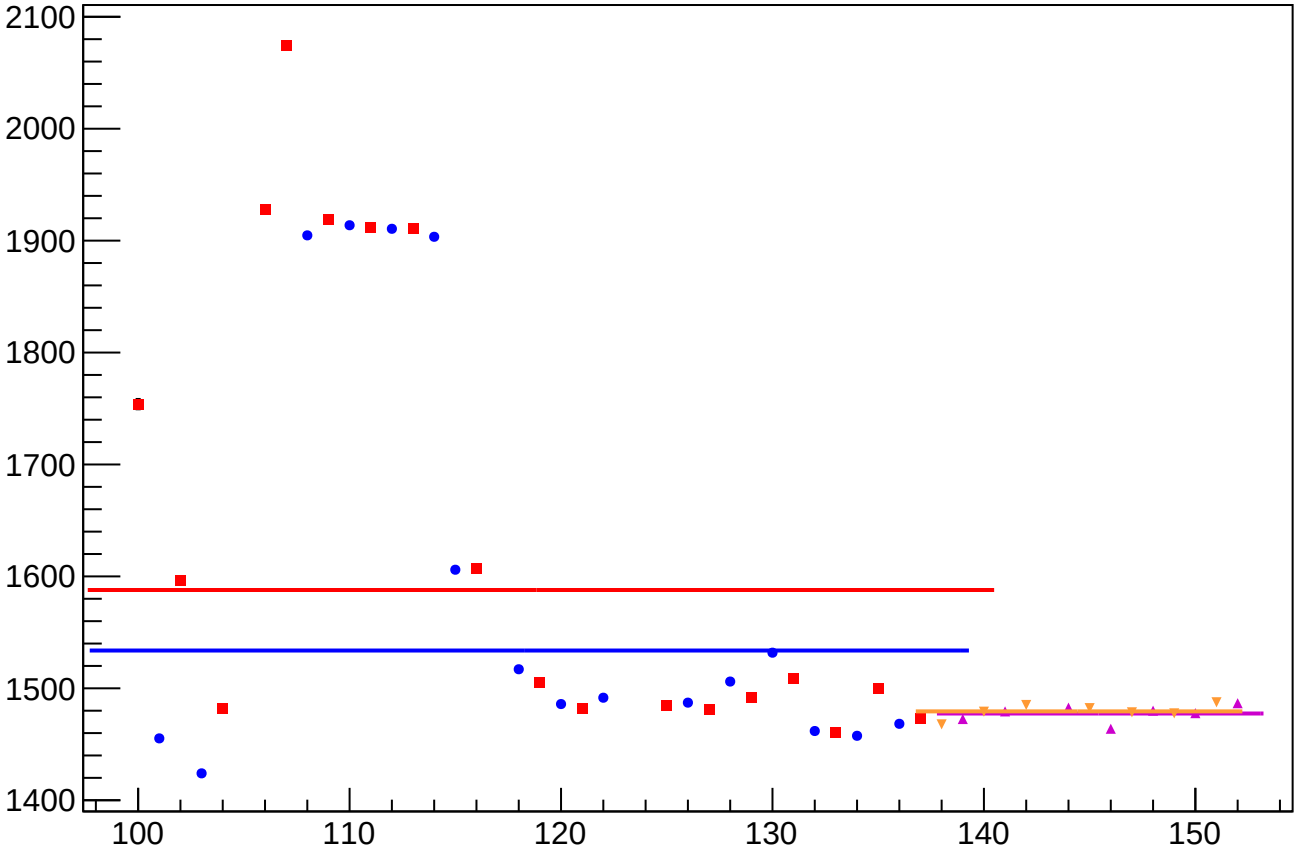
Left In: -1928.376+/-596.304 χ^2/NDF:12.9/6

+ sign 1621.916+/-425.834 χ^2/NDF: 17.9/22

All: -121.299+/-298.772 χ^2/NDF: 80.0/47

- sign -1811.393+/-419.296 χ^2/NDF: 29.1/24

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.396+/-0.451 χ^2/NDF:170.4/6

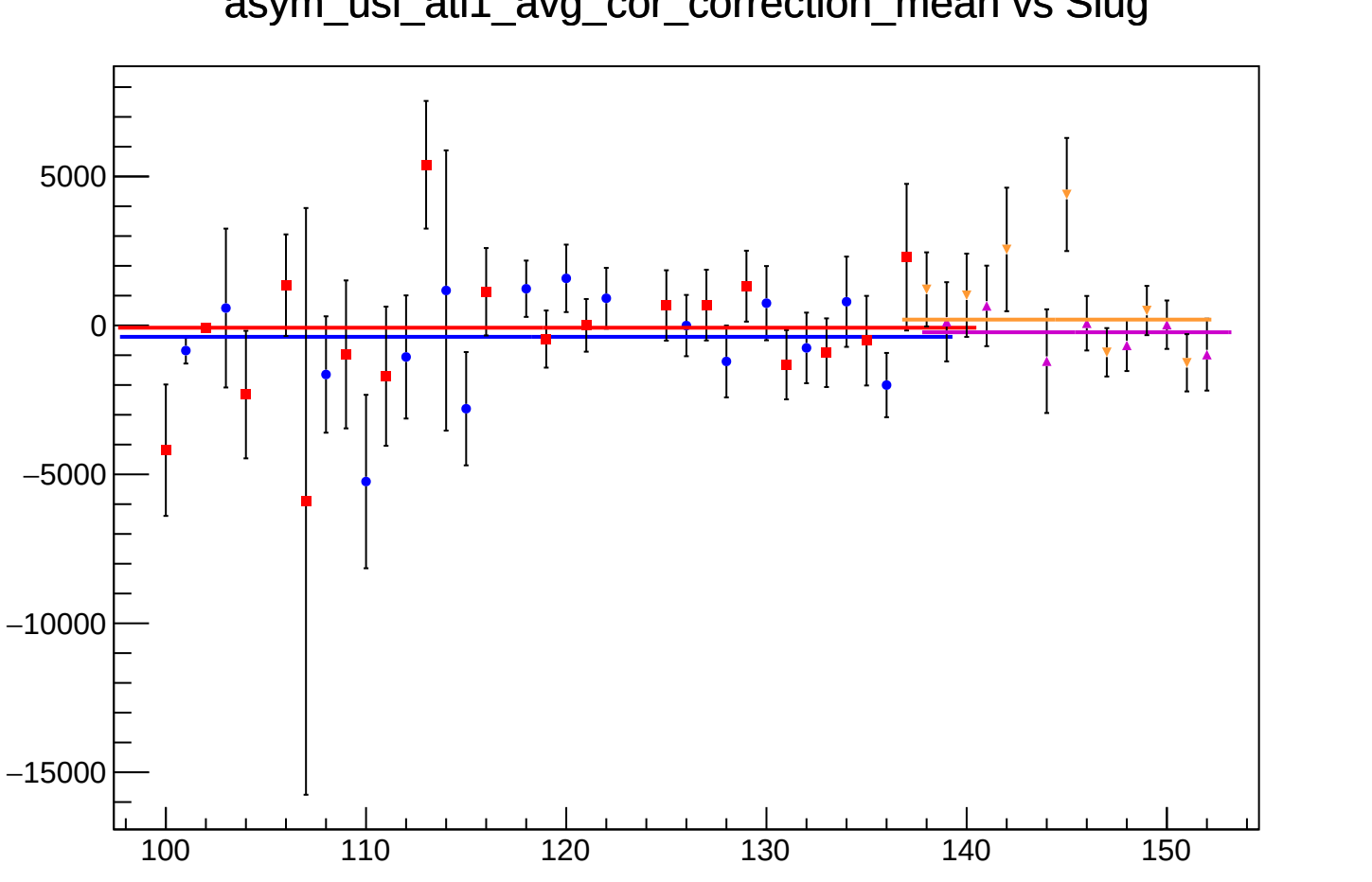
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.494+/-0.422 χ^2/NDF:272.0/6

+ sign 1509.506+/-0.301 χ^2/NDF: 137500.1/22

All: 1521.579+/-0.211 χ^2/NDF: 349334.3/47

- sign 1533.284+/-0.296 χ^2/NDF: 208668.0/24



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 195.622+/-417.733 χ^2/NDF:11.4/6

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

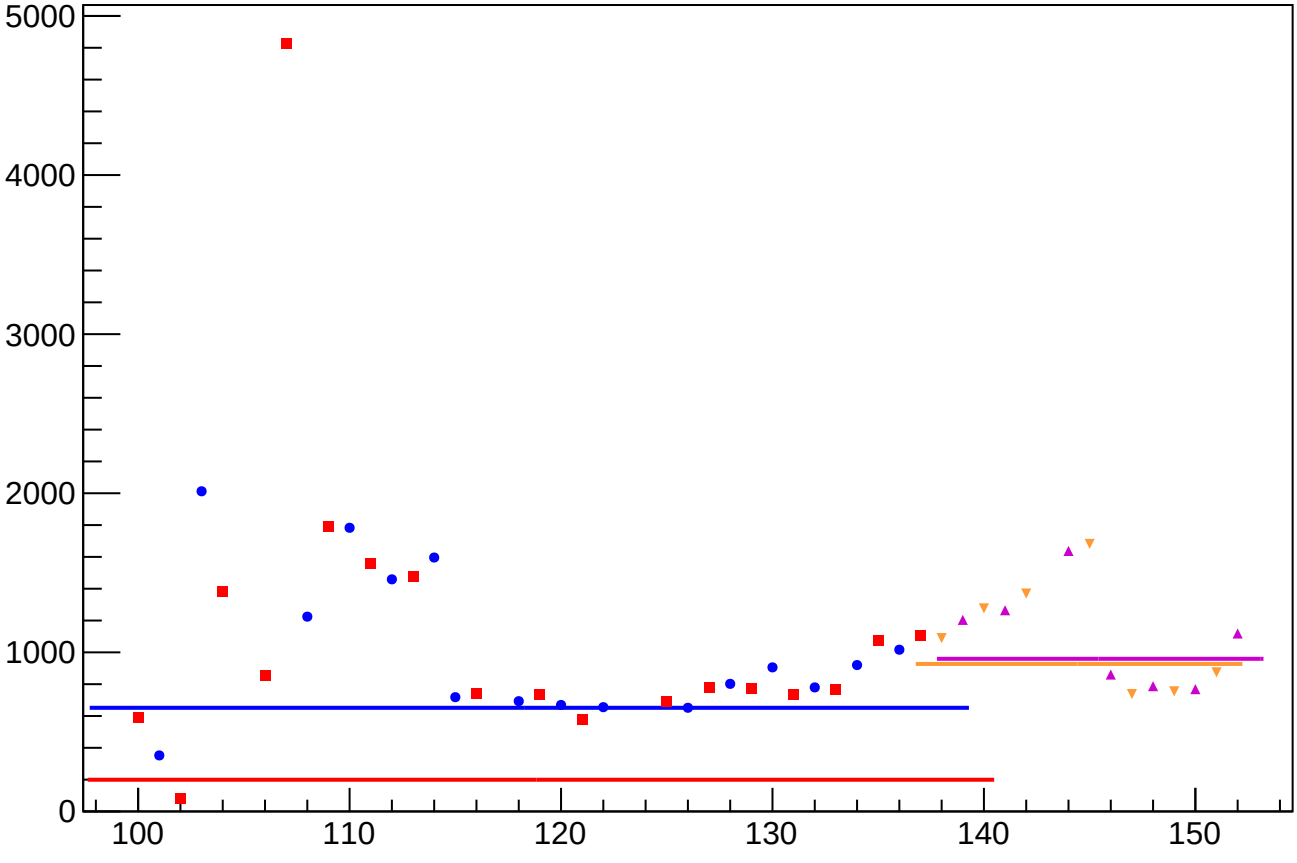
Left In: -229.798+/-402.008 χ^2/NDF:1.7/6

+ sign -210.368+/-228.061 χ^2/NDF: 31.0/22

All: -121.934+/-113.359 χ^2/NDF: 51.5/47

- sign -92.916+/-130.640 χ^2/NDF: 20.3/24

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 927.187+/-0.295 χ^2/NDF:767488.7/6

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

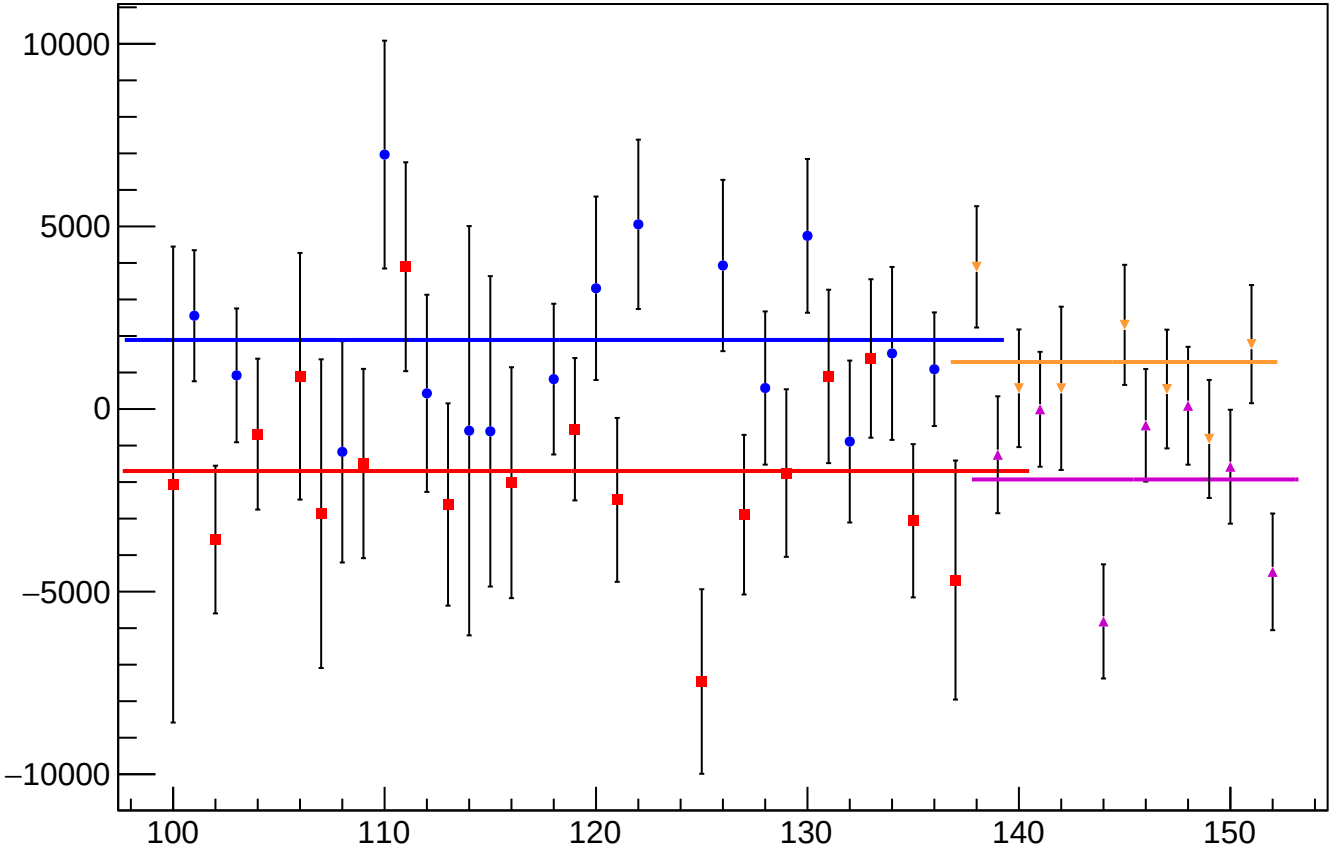
Left In: 959.447+/-0.284 χ^2/NDF:721472.9/6

+ sign 733.686+/-0.161 χ^2/NDF: 4141527.3/22

All: 391.798+/-0.080 χ^2/NDF: 26512205.6/47

- sign 279.614+/-0.092 χ^2/NDF: 16401208.3/24

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1287.306+/-637.463 χ^2/NDF:5.1/6

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

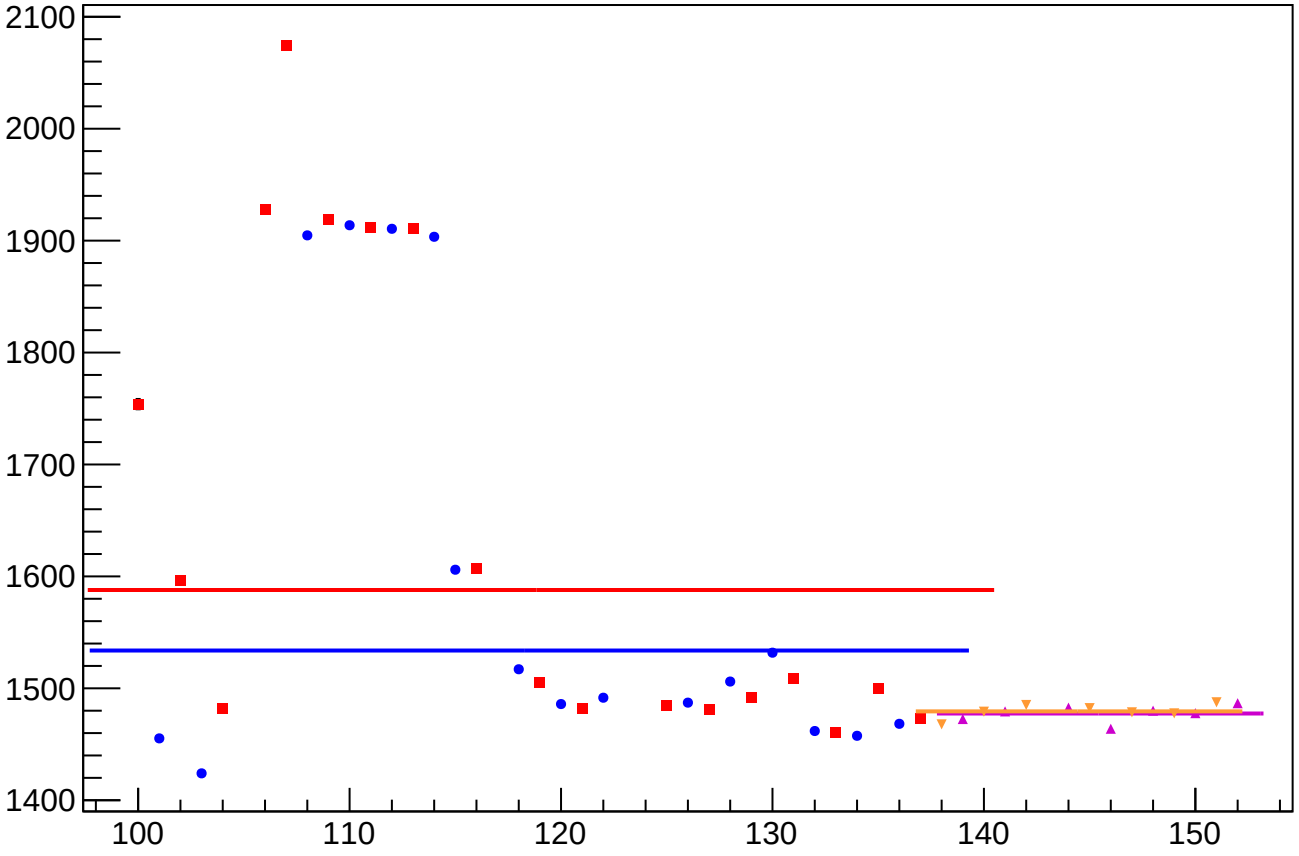
Left In: -1928.376+/-596.304 χ^2/NDF:12.9/6

+ sign 1621.916+/-425.834 χ^2/NDF: 17.9/22

All: -121.299+/-298.772 χ^2/NDF: 80.0/47

- sign -1811.393+/-419.296 χ^2/NDF: 29.1/24

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.396+/-0.451 χ^2/NDF:170.4/6

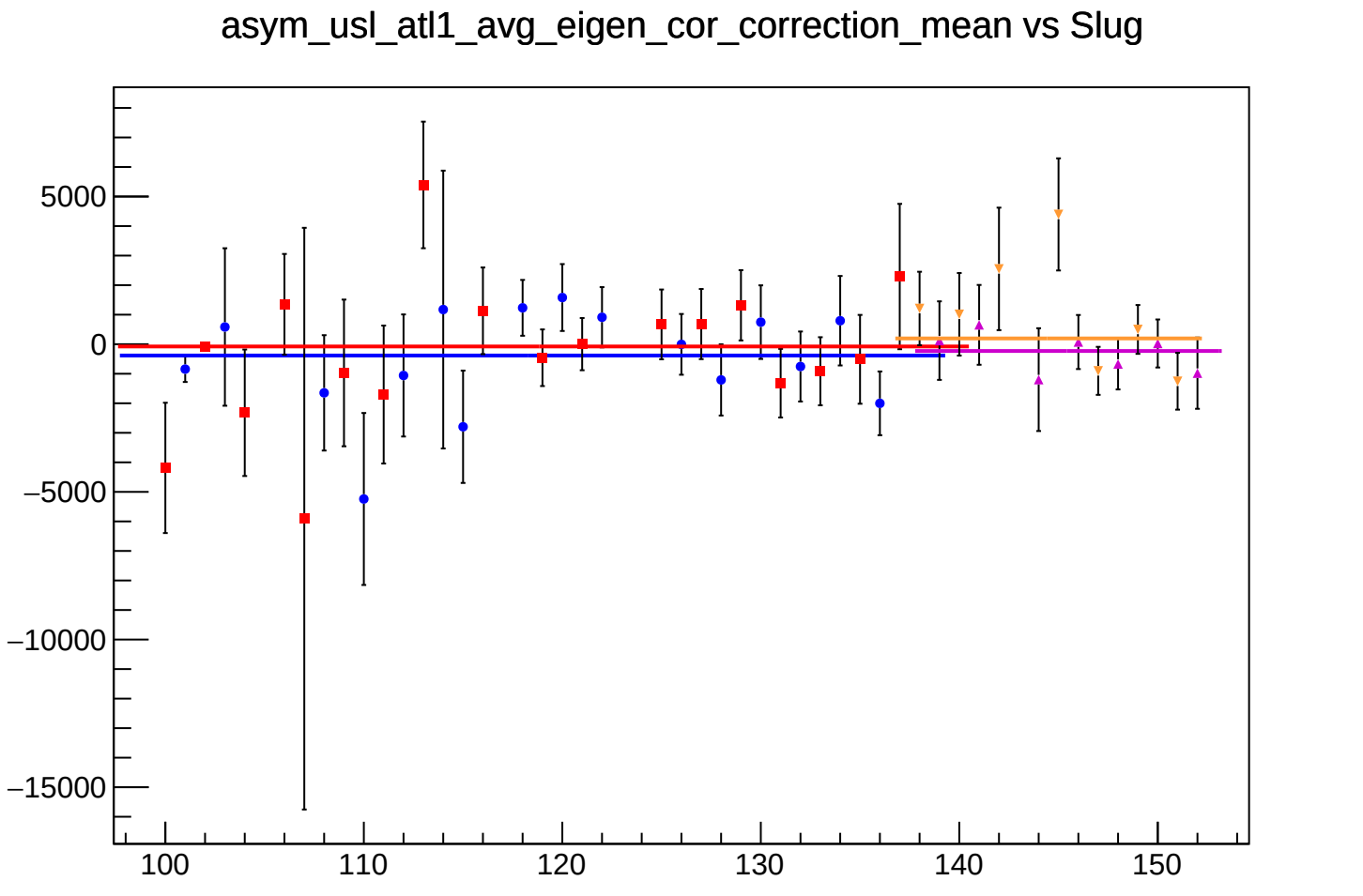
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.494+/-0.422 χ^2/NDF:272.0/6

+ sign 1509.506+/-0.301 χ^2/NDF: 137500.1/22

All: 1521.579+/-0.211 χ^2/NDF: 349334.3/47

- sign 1533.284+/-0.296 χ^2/NDF: 208668.0/24



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 195.622+/-417.733 χ^2/NDF:11.4/6

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

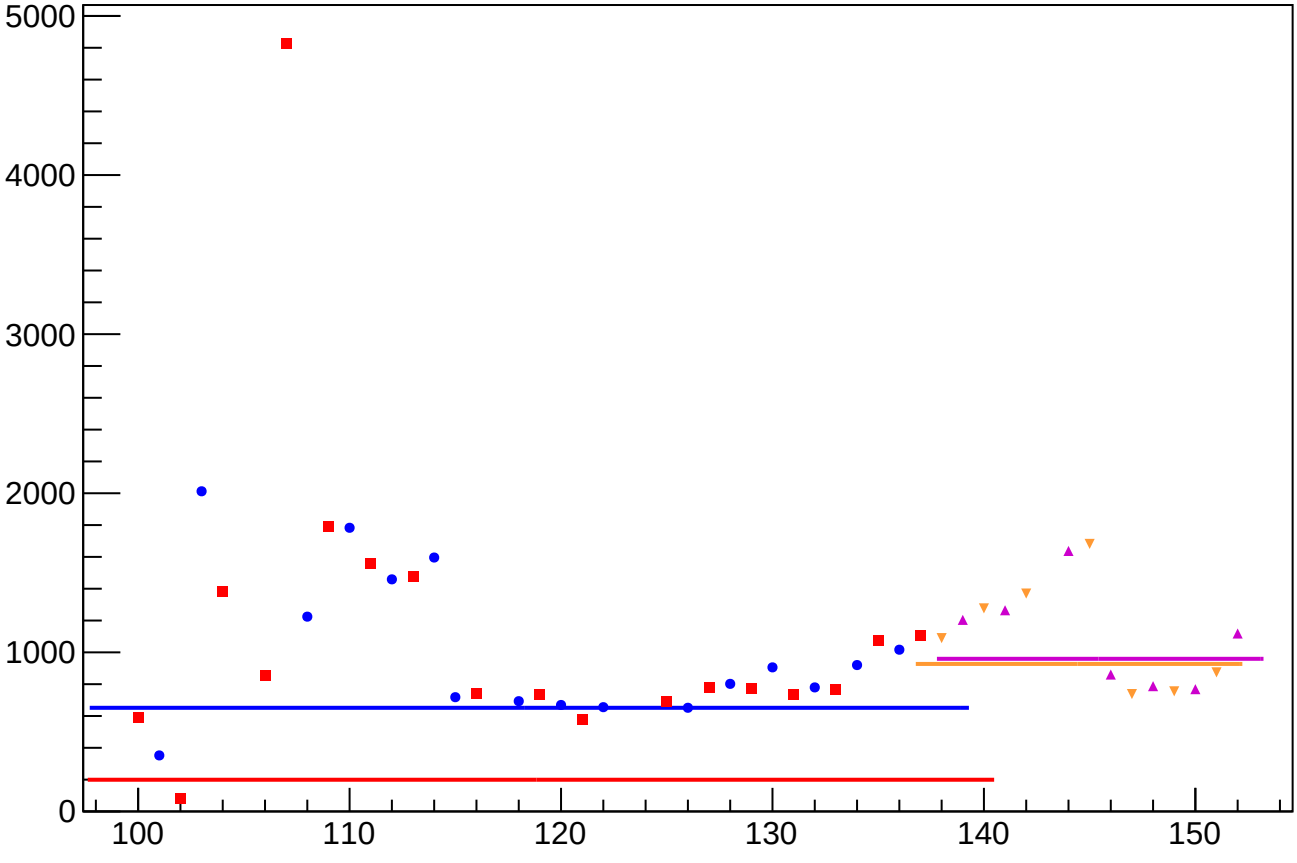
Left In: -229.798+/-402.008 χ^2/NDF:1.7/6

+ sign -210.368+/-228.061 χ^2/NDF: 31.0/22

All: -121.934+/-113.359 χ^2/NDF: 51.5/47

- sign -92.916+/-130.640 χ^2/NDF: 20.3/24

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 927.187+/-0.295 χ^2/NDF:767488.7/6

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

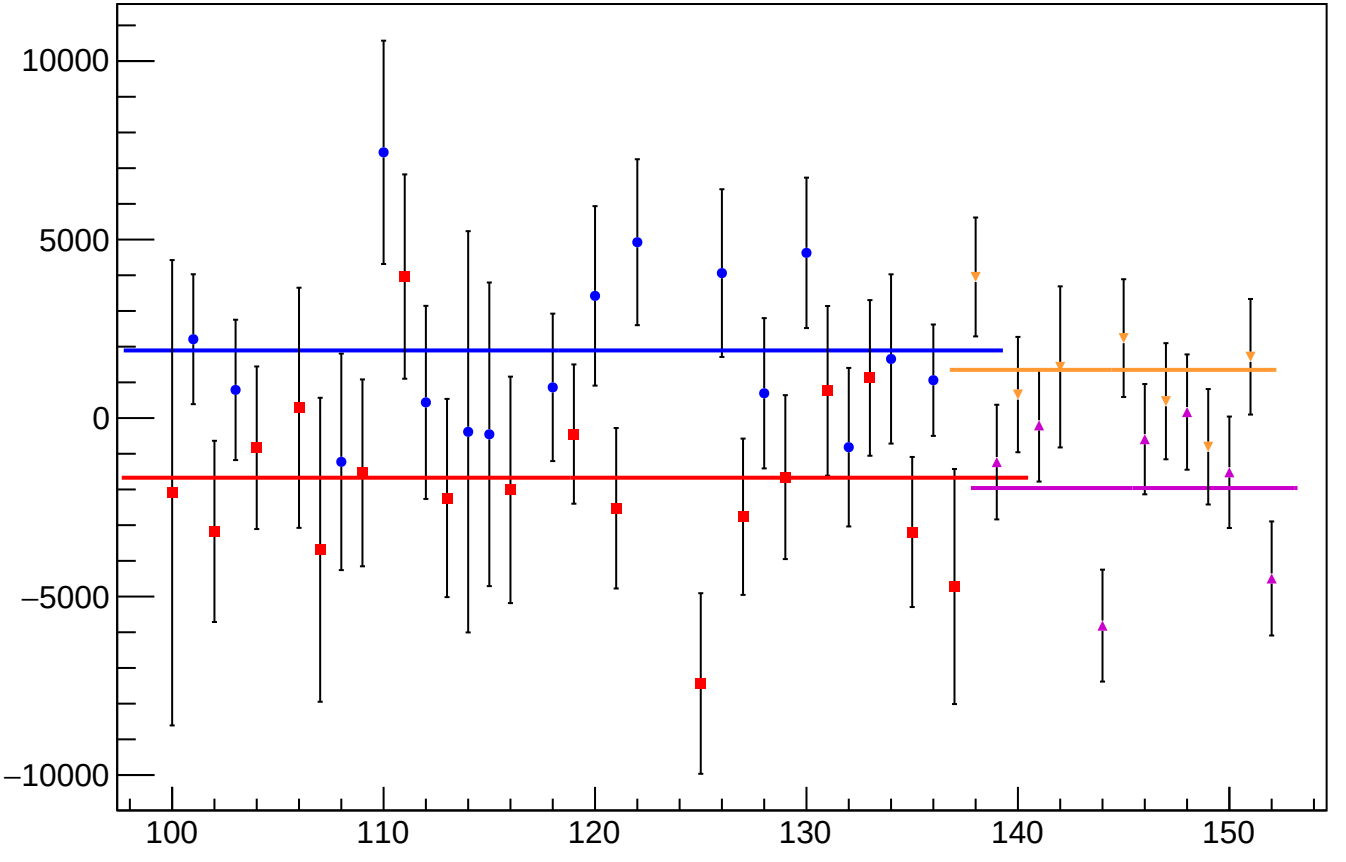
Left In: 959.447+/-0.284 χ^2/NDF:721472.9/6

+ sign 733.686+/-0.161 χ^2/NDF: 4141527.3/22

All: 391.798+/-0.080 χ^2/NDF: 26512205.6/47

- sign 279.614+/-0.092 χ^2/NDF: 16401208.3/24

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1350.362+/-638.966 χ^2/NDF:5.0/6

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

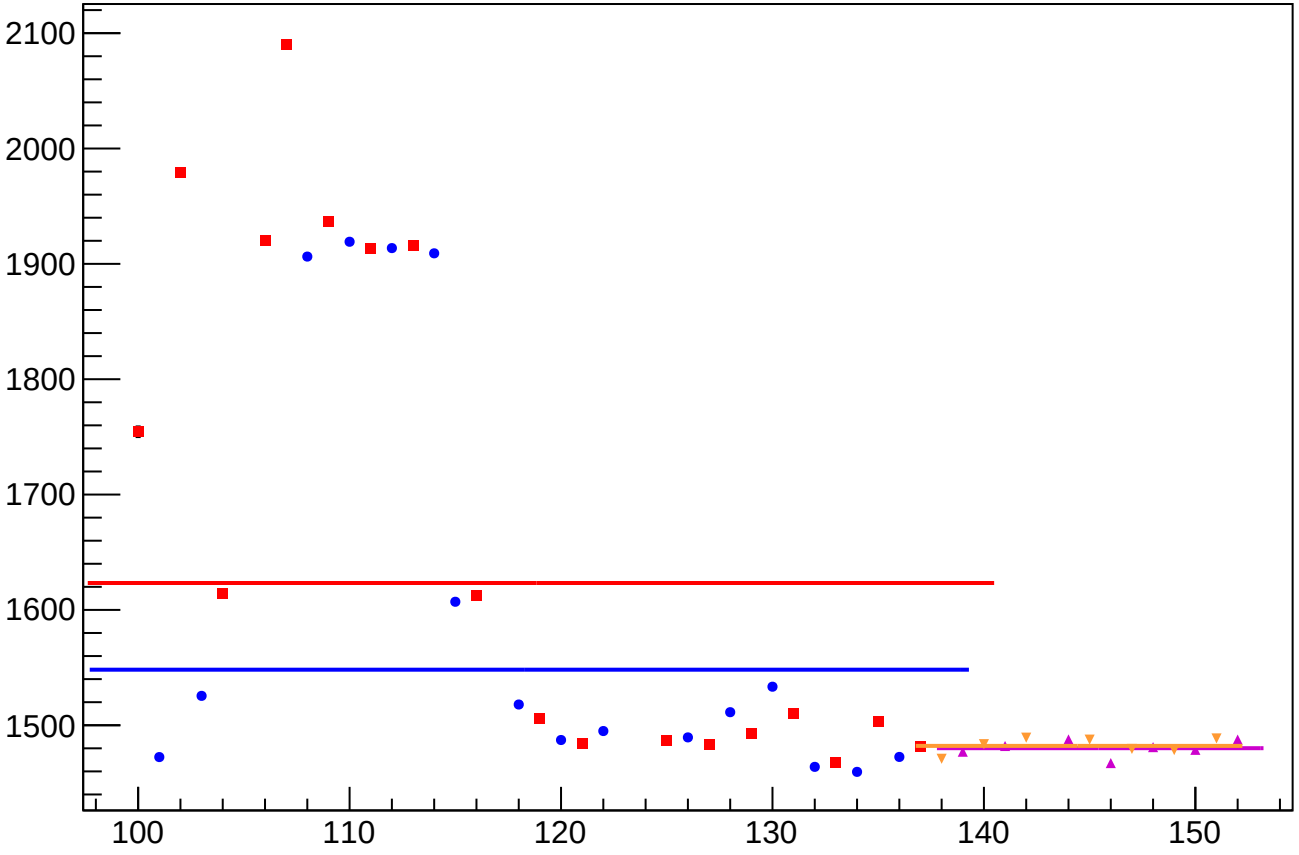
Left In: -1959.894+/-597.379 χ^2/NDF:12.6/6

+ sign 1649.614+/-428.494 χ^2/NDF: 17.7/22

All: -97.896+/-301.757 χ^2/NDF: 78.5/47

- sign -1817.207+/-425.023 χ^2/NDF: 27.8/24

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1482.116+/-0.452 χ^2/NDF:180.7/6

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

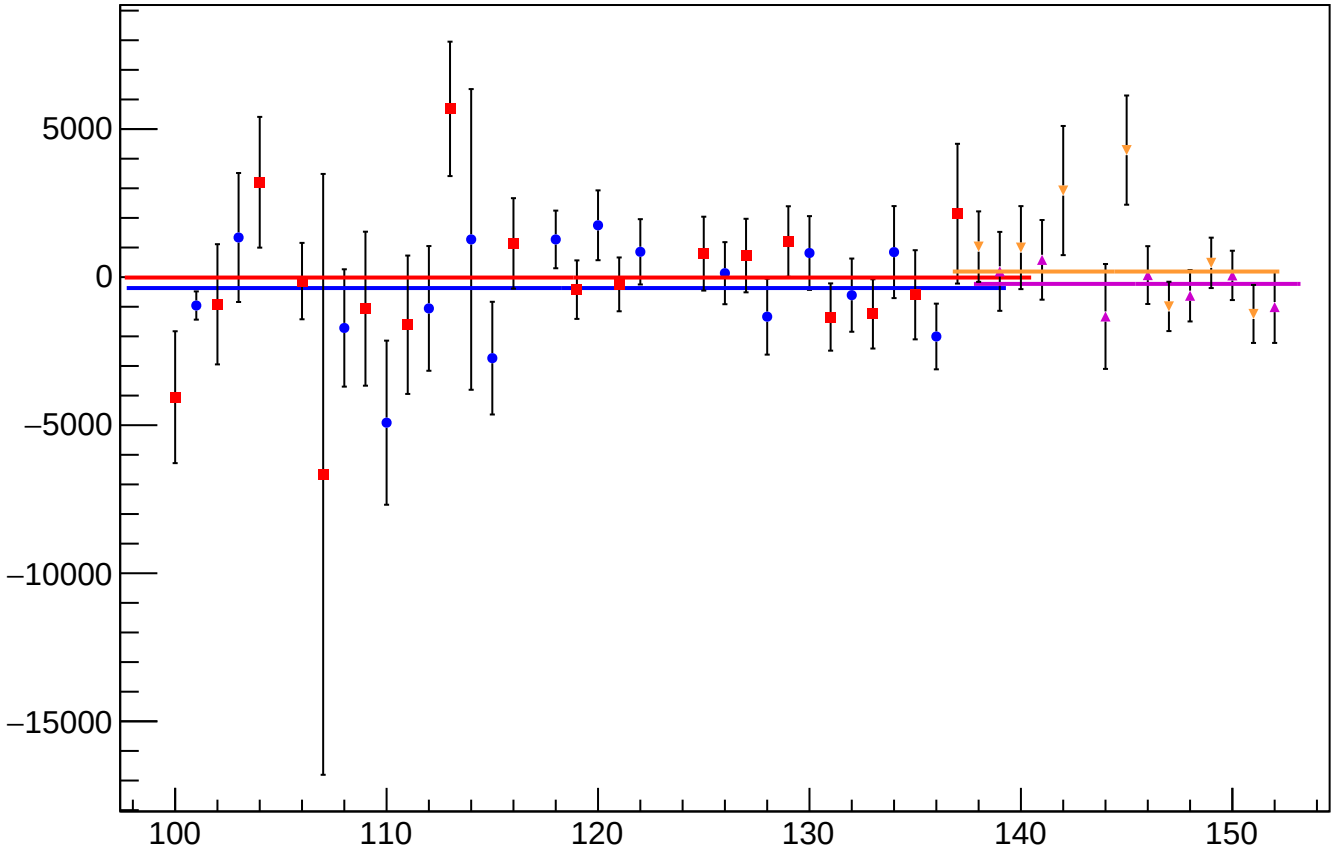
Left In: 1480.119+/-0.422 χ^2/NDF:243.1/6

+ sign 1518.467+/-0.303 χ^2/NDF: 131848.8/22

All: 1534.783+/-0.213 χ^2/NDF: 406137.6/47

- sign 1550.836+/-0.301 χ^2/NDF: 268535.7/24

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 189.111+/-423.198 χ^2/NDF:11.6/6

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

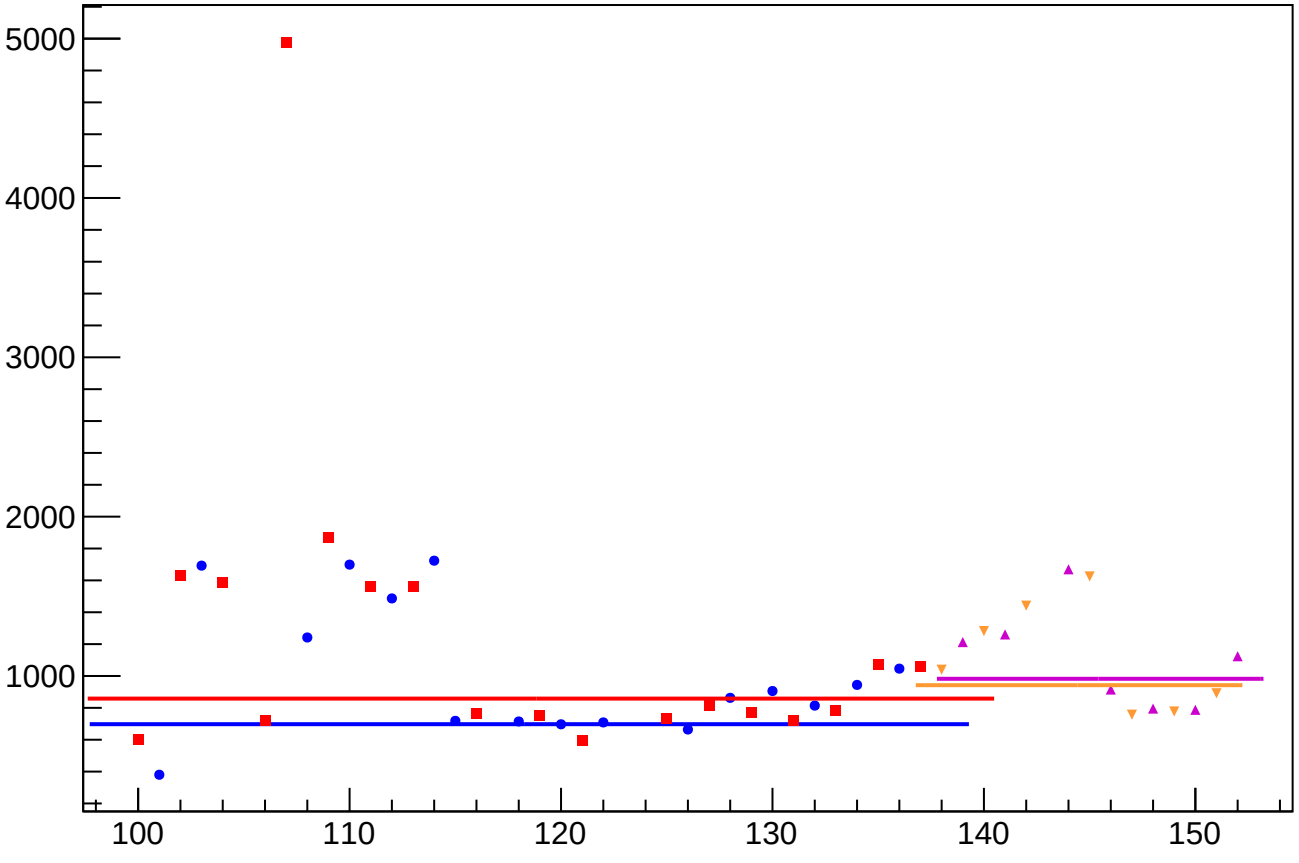
Left In: -228.243+/-410.583 χ^2/NDF:1.7/6

+ sign -193.335+/-237.290 χ^2/NDF: 31.7/22

All: -152.038+/-176.054 χ^2/NDF: 52.7/47

- sign -101.468+/-262.584 χ^2/NDF: 20.9/24

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 942.253+/-0.299 χ^2/NDF:688798.1/6

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

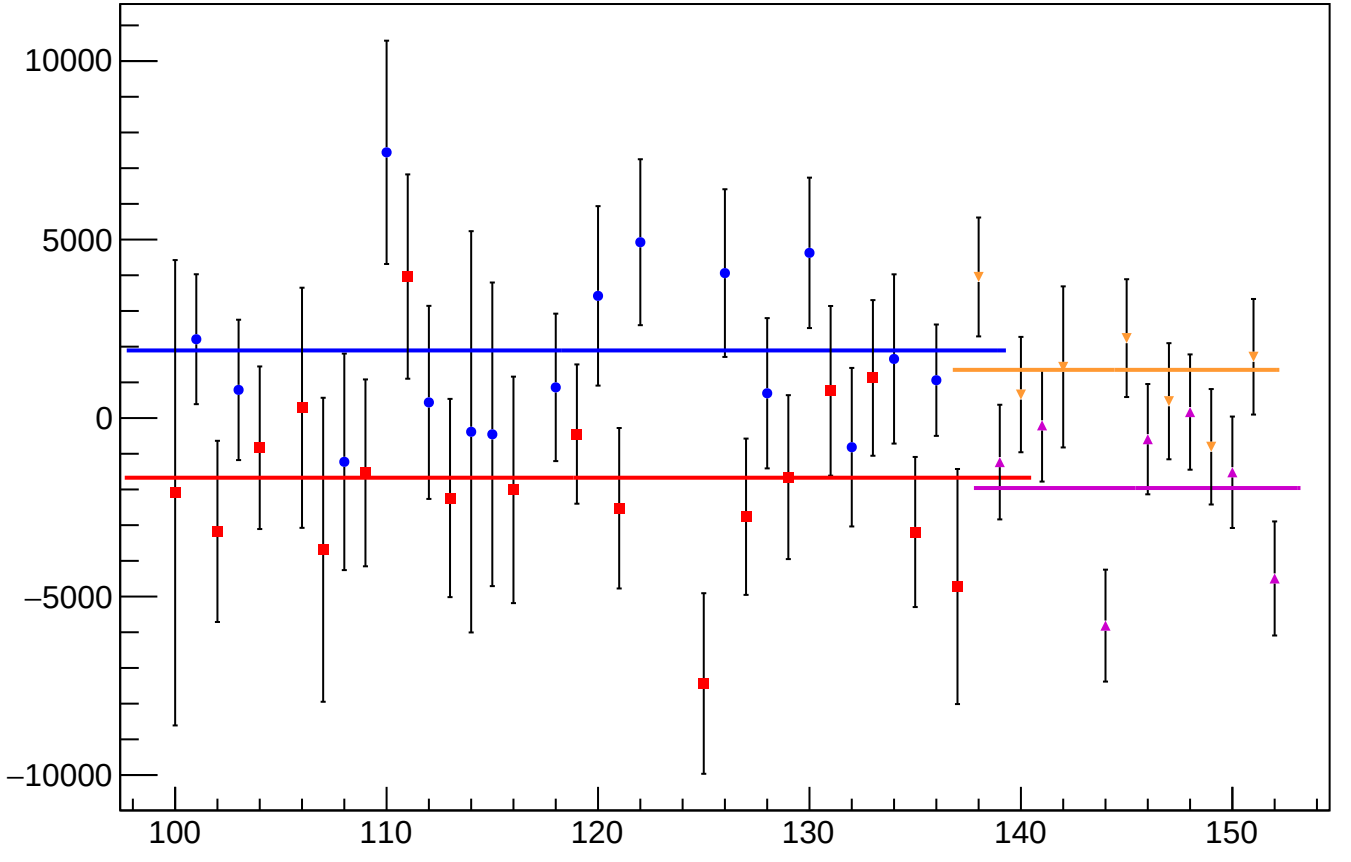
Left In: 982.423+/-0.290 χ^2/NDF:685098.5/6

+ sign 774.459+/-0.168 χ^2/NDF: 3582979.6/22

All: 834.915+/-0.124 χ^2/NDF: 6547417.5/47

- sign 908.947+/-0.186 χ^2/NDF: 2675641.7/24

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1350.362+/-638.966 χ^2/NDF:5.0/6

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

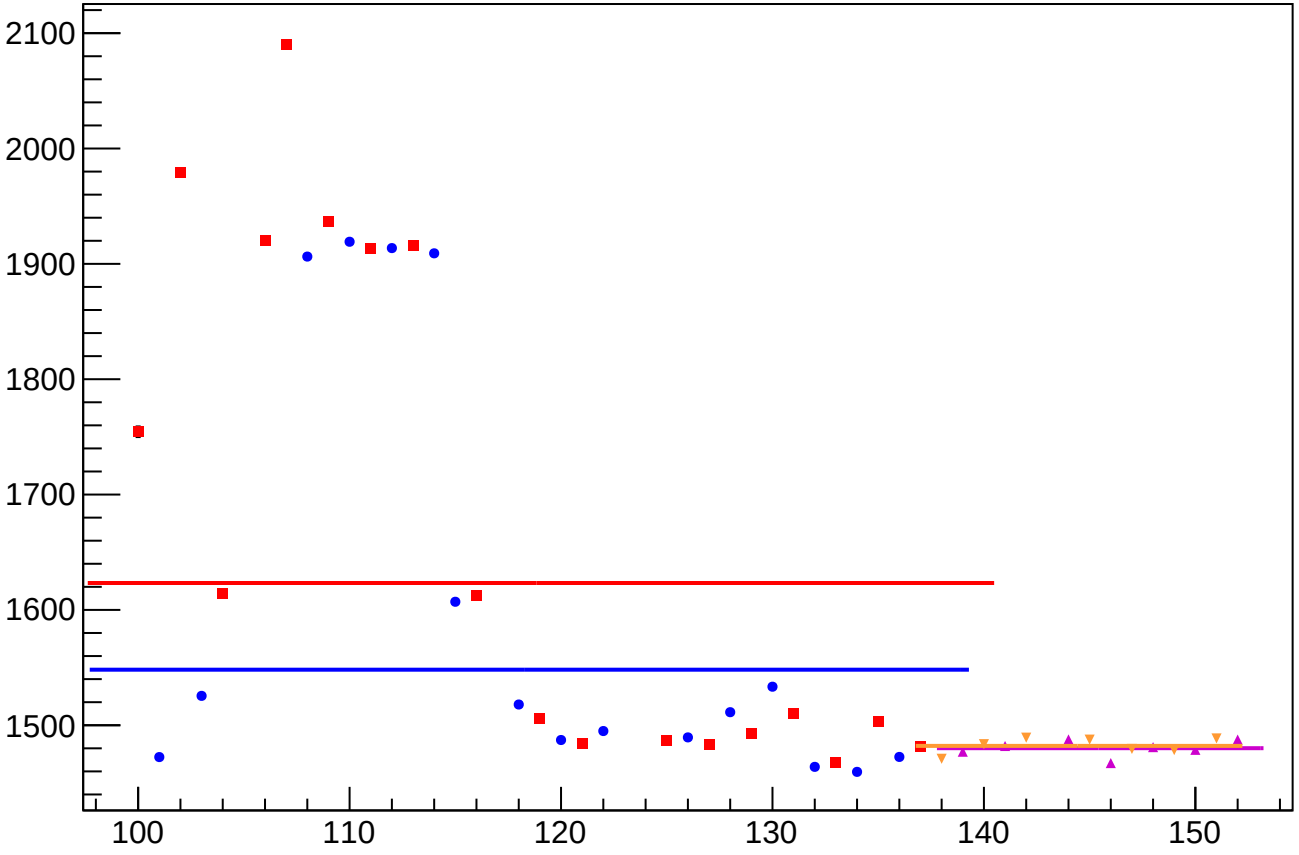
Left In: -1959.895+/-597.379 χ^2/NDF:12.6/6

+ sign 1649.613+/-428.494 χ^2/NDF: 17.7/22

All: -97.896+/-301.757 χ^2/NDF: 78.5/47

- sign -1817.206+/-425.023 χ^2/NDF: 27.8/24

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1482.116+/-0.452 χ^2/NDF:180.7/6

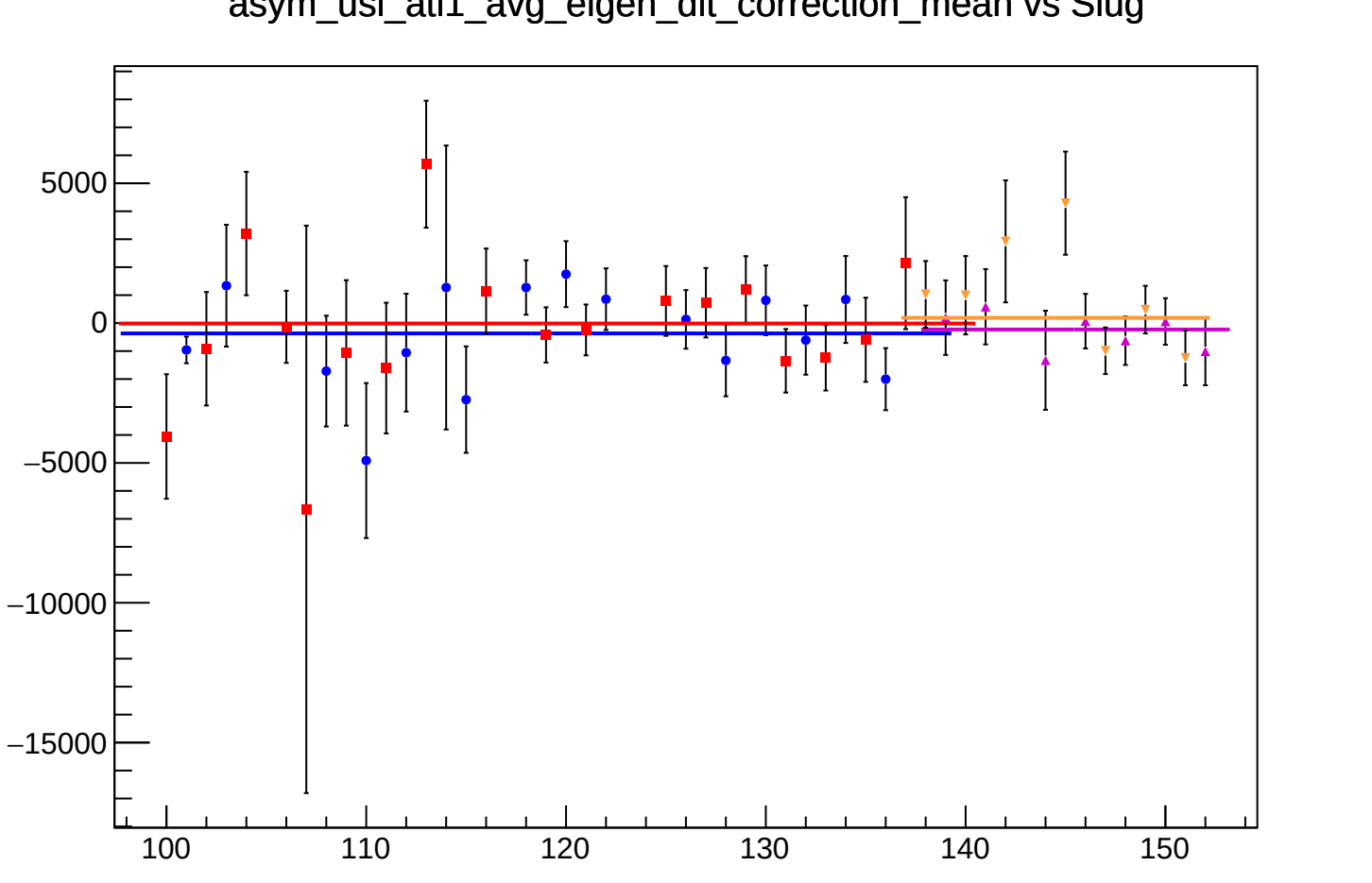
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1480.119+/-0.422 χ^2/NDF:243.1/6

+ sign 1518.467+/-0.303 χ^2/NDF: 131848.8/22

All: 1534.783+/-0.213 χ^2/NDF: 406137.2/47

- sign 1550.836+/-0.301 χ^2/NDF: 268535.3/24



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 189.109+/-423.199 χ^2/NDF:11.6/6

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

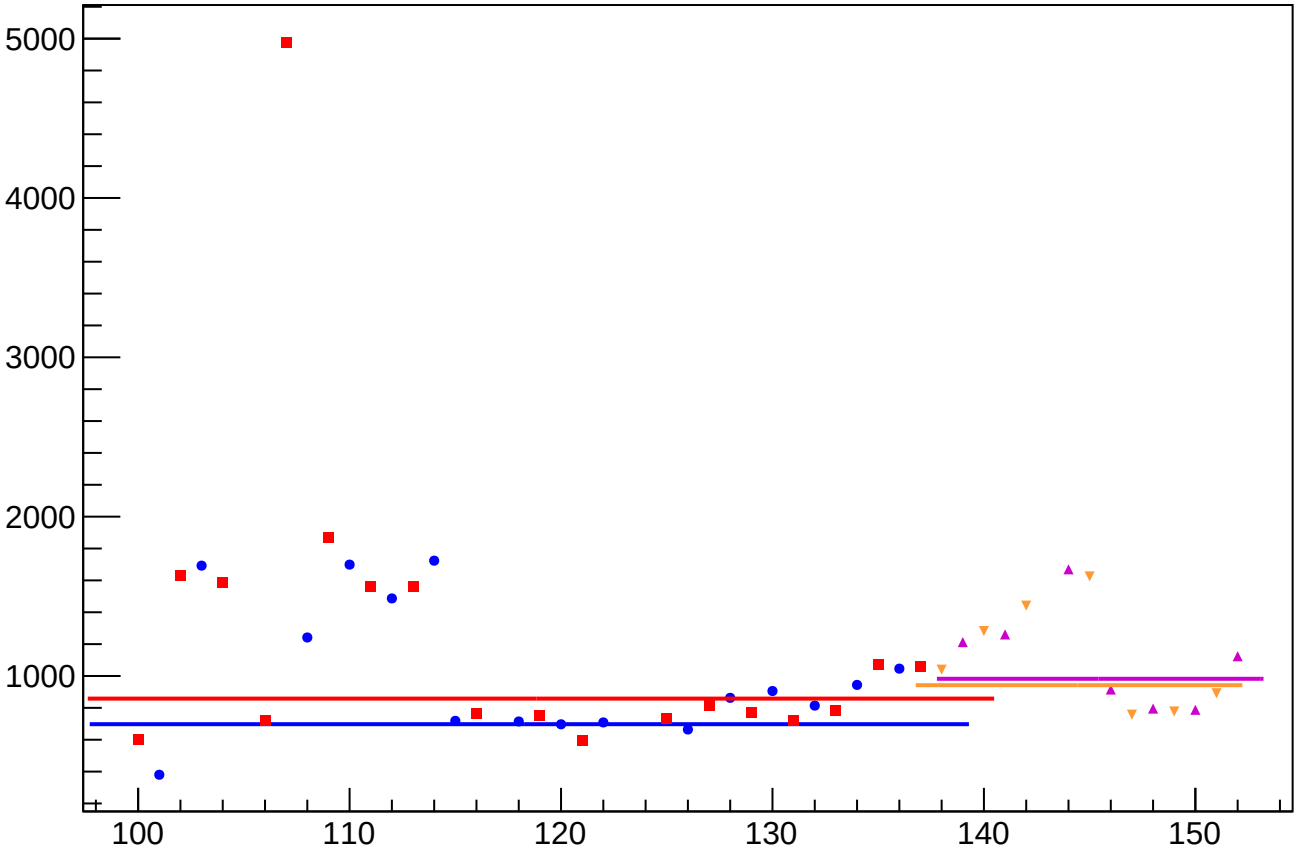
Left In: -228.244+/-410.583 χ^2/NDF:1.7/6

+ sign -193.335+/-237.290 χ^2/NDF: 31.7/22

All: -152.038+/-176.054 χ^2/NDF: 52.7/47

- sign -101.468+/-262.584 χ^2/NDF: 20.9/24

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 942.254+/-0.299 χ^2/NDF:688797.2/6

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

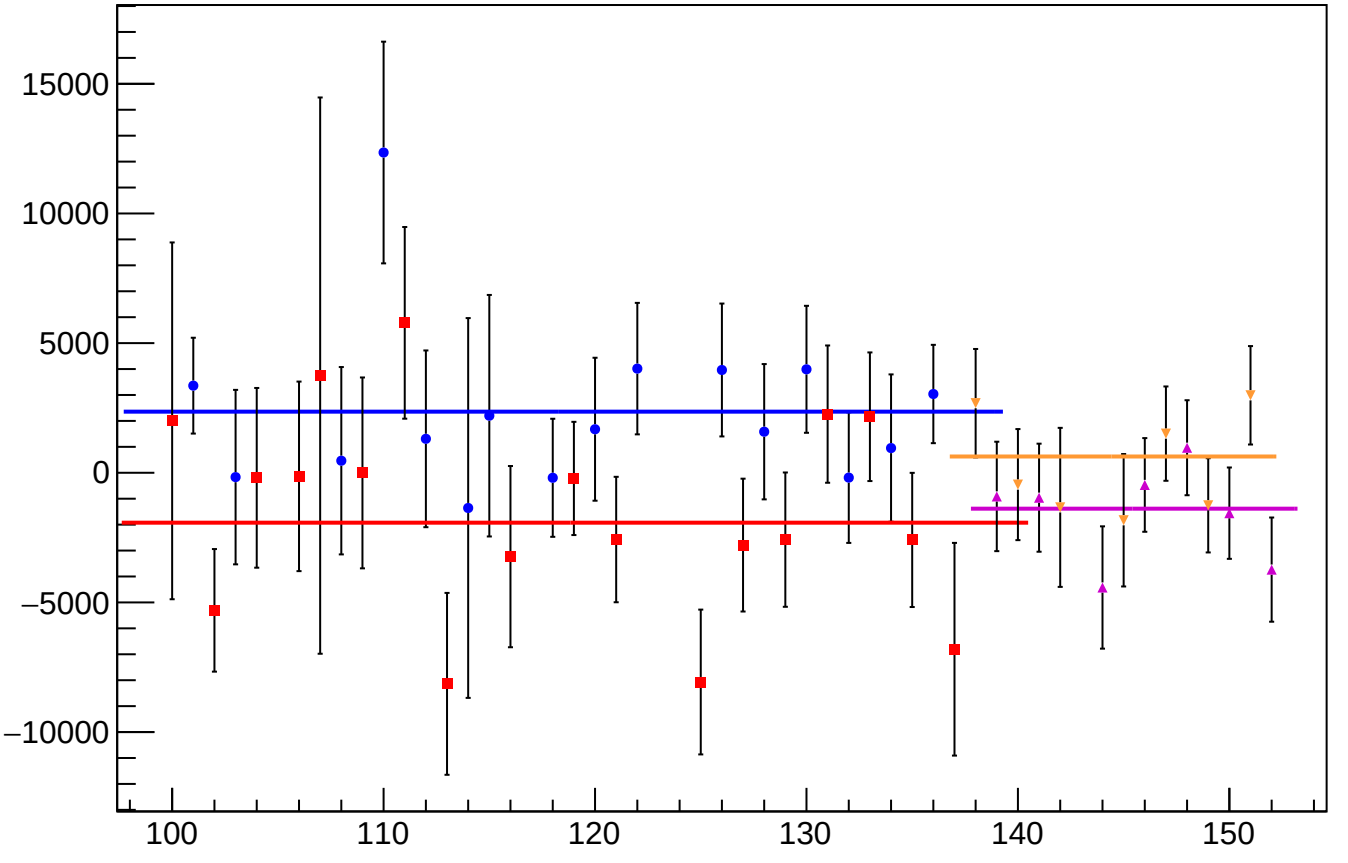
Left In: 982.425+/-0.290 χ^2/NDF:685096.0/6

+ sign 774.460+/-0.168 χ^2/NDF: 3582976.4/22

All: 834.915+/-0.124 χ^2/NDF: 6547423.5/47

- sign 908.946+/-0.186 χ^2/NDF: 2675654.4/24

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 627.515+/-793.222 χ^2/NDF:5.4/6

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

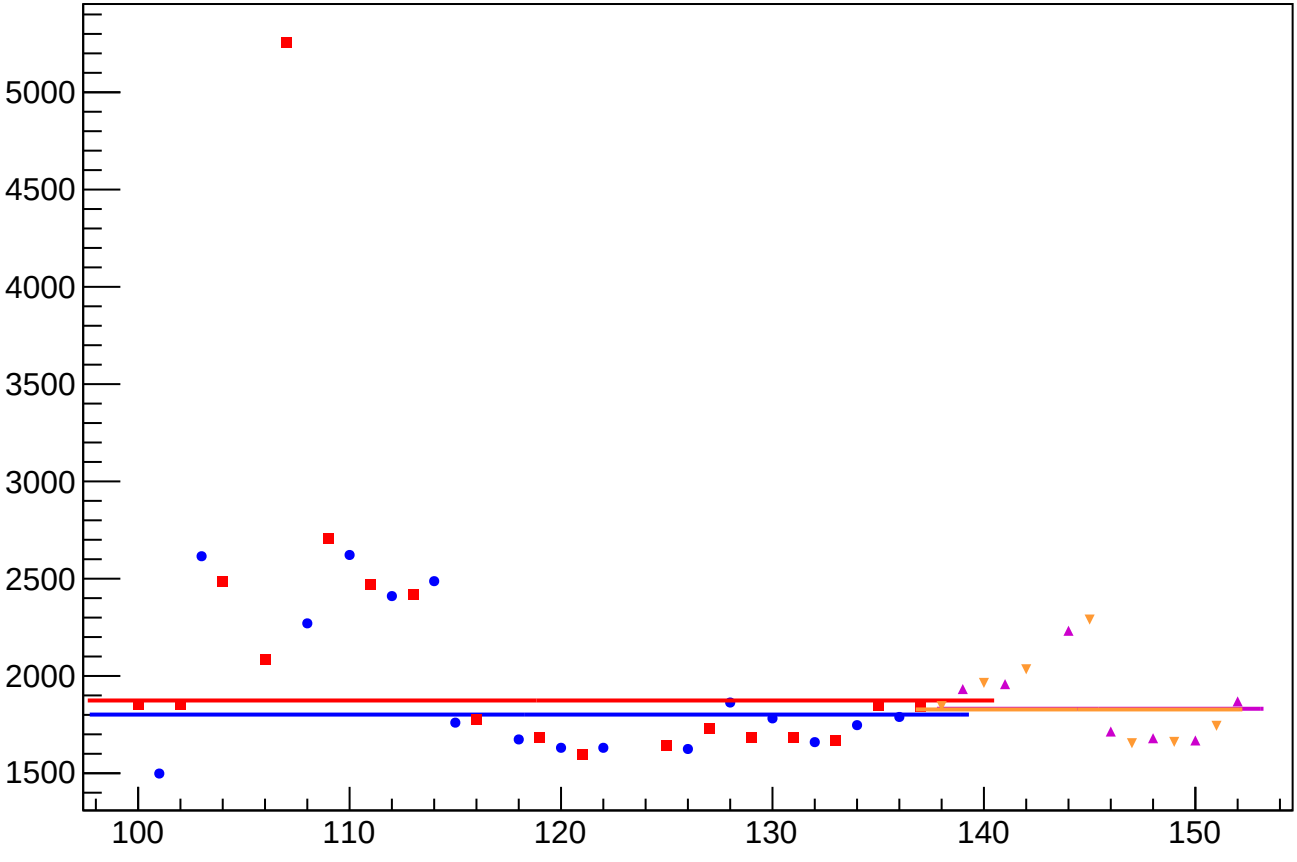
Left In: -1384.721+/-743.457 χ^2/NDF:5.0/6

+ sign 1625.705+/-515.801 χ^2/NDF: 19.2/22

All: -32.715+/-363.466 χ^2/NDF: 68.5/47

- sign -1668.412+/-512.255 χ^2/NDF: 28.8/24

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1827.885+/-0.561 χ^2/NDF:121751.3/6

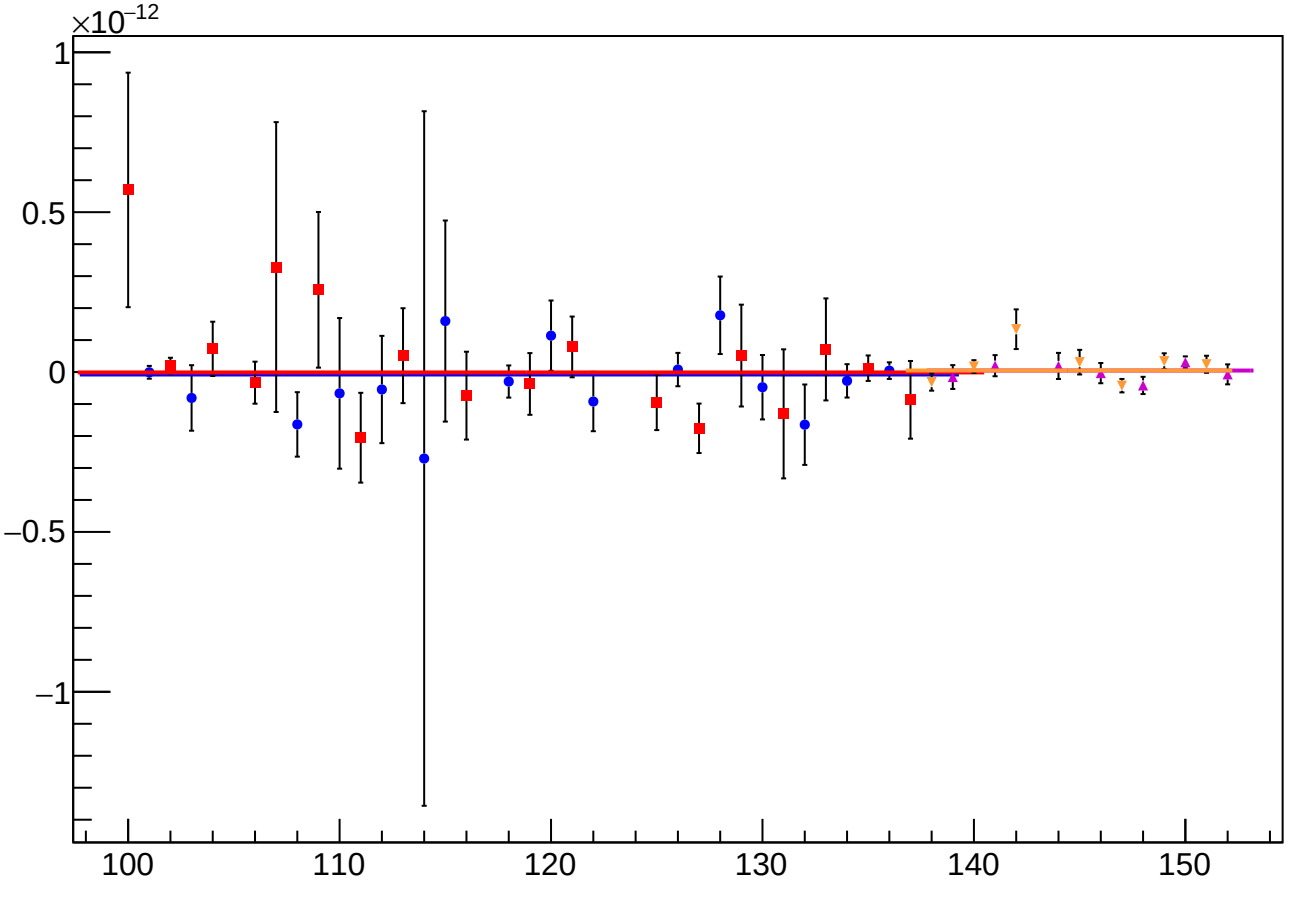
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1831.416+/-0.526 χ^2/NDF:109653.4/6

+ sign 1812.673+/-0.365 χ^2/NDF: 523728.2/22

All: 1833.364+/-0.257 χ^2/NDF: 1213125.5/47

- sign 1853.771+/-0.362 χ^2/NDF: 683005.0/24



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

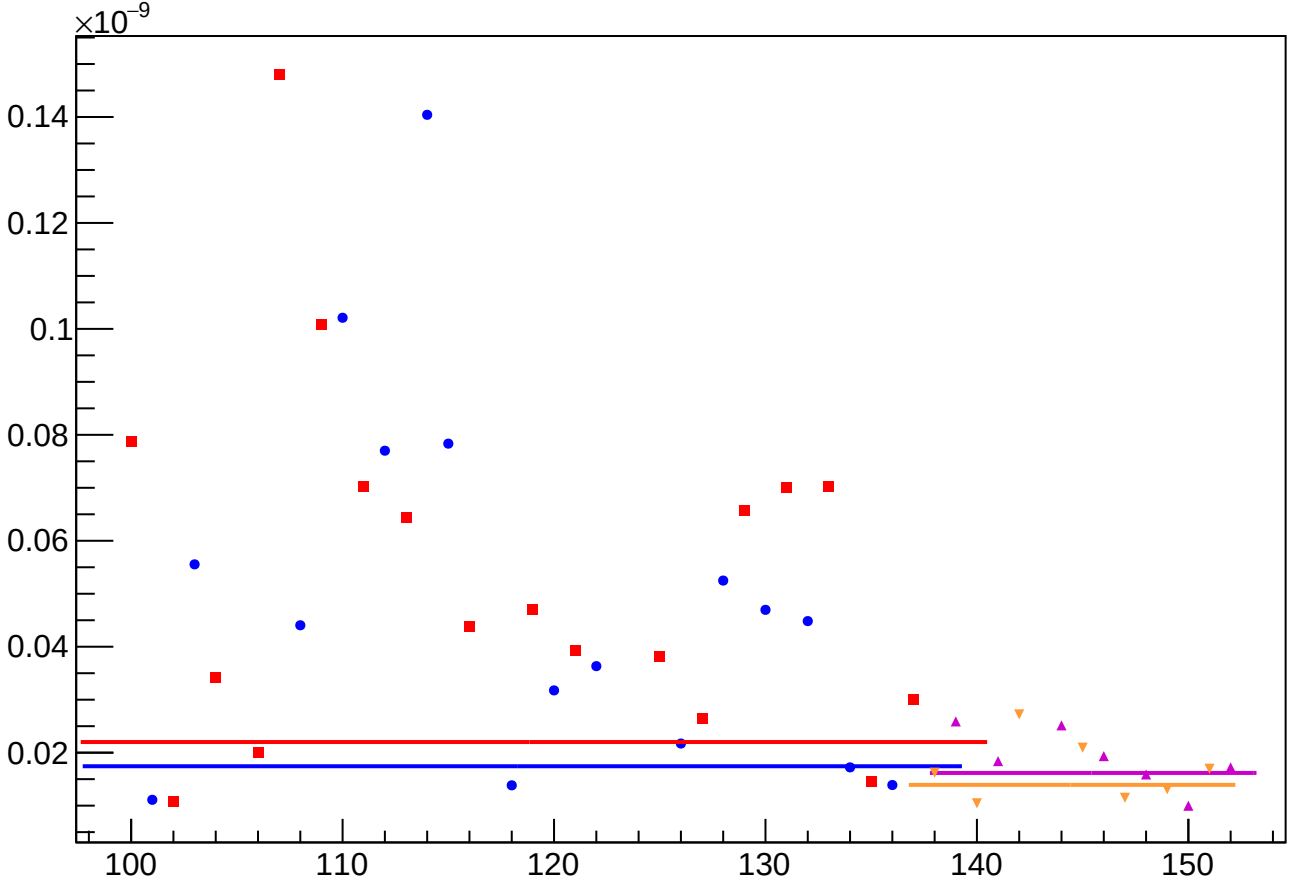
Left In: 0.000+/-0.000 χ^2/NDF:5.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 24.8/22

All: 0.000+/-0.000 χ^2/NDF: 47.5/47

- sign 0.000+/-0.000 χ^2/NDF: 22.6/24

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:289222.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

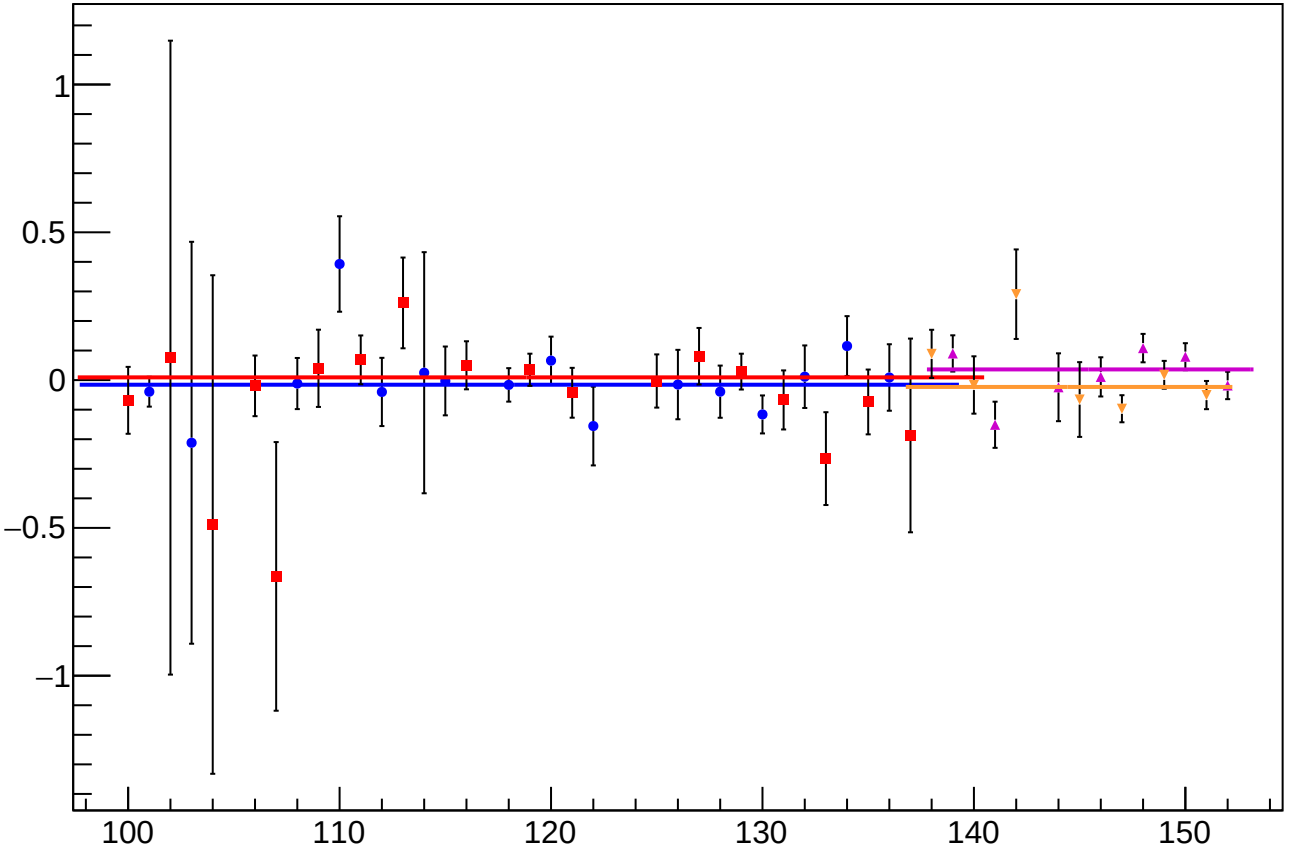
Left In: 0.000+/-0.000 χ^2/NDF:491798.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 2220449.1/22

All: 0.000+/-0.000 χ^2/NDF: 5071241.1/47

- sign 0.000+/-0.000 χ^2/NDF: 2756354.6/24

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: -0.023+/-0.024 χ^2/NDF:10.0/6

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

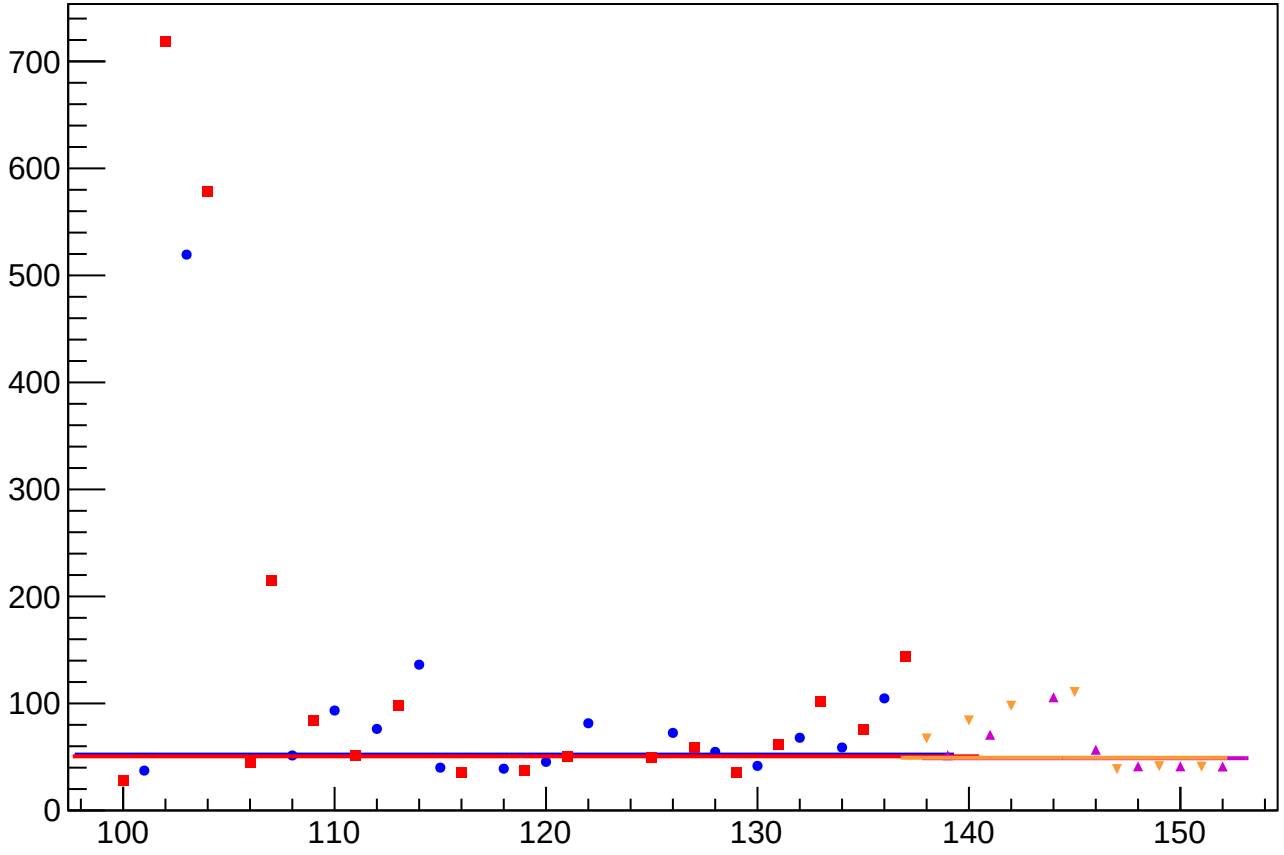
Left In: 0.036+/-0.022 χ^2/NDF:11.5/6

+ sign -0.019+/-0.016 χ^2/NDF: 23.2/22

All: 0.003+/-0.011 χ^2/NDF: 51.4/47

- sign 0.024+/-0.016 χ^2/NDF: 24.6/24

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: 49.254+/-0.017 χ^2/NDF:1260078.0/6

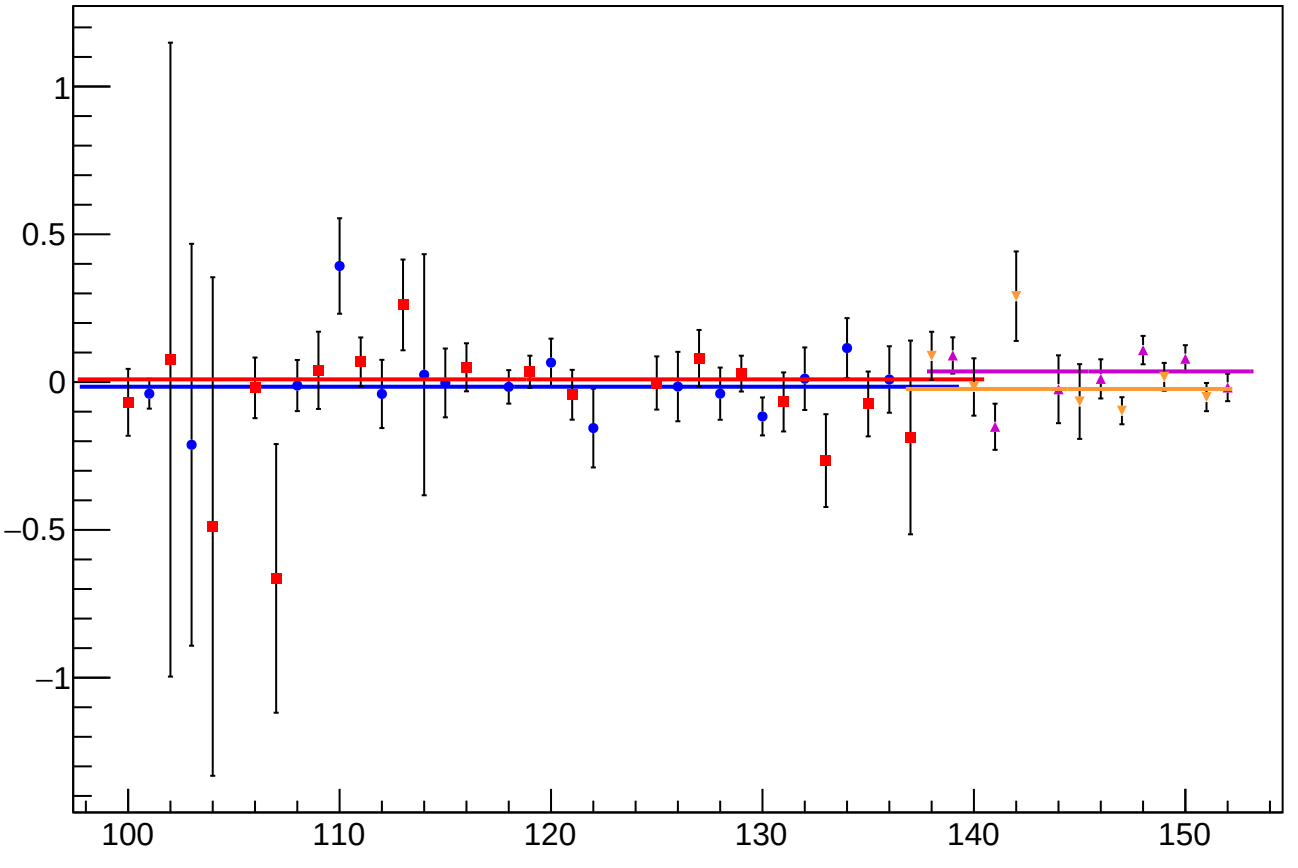
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.823+/-0.015 χ^2/NDF:842616.8/6

+ sign 50.810+/-0.012 χ^2/NDF: 3542823.0/22

All: 50.203+/-0.008 χ^2/NDF: 7448086.9/47

- sign 49.632+/-0.011 χ^2/NDF: 3900001.5/24



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.023+/-0.024 χ^2/NDF:10.0/6

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

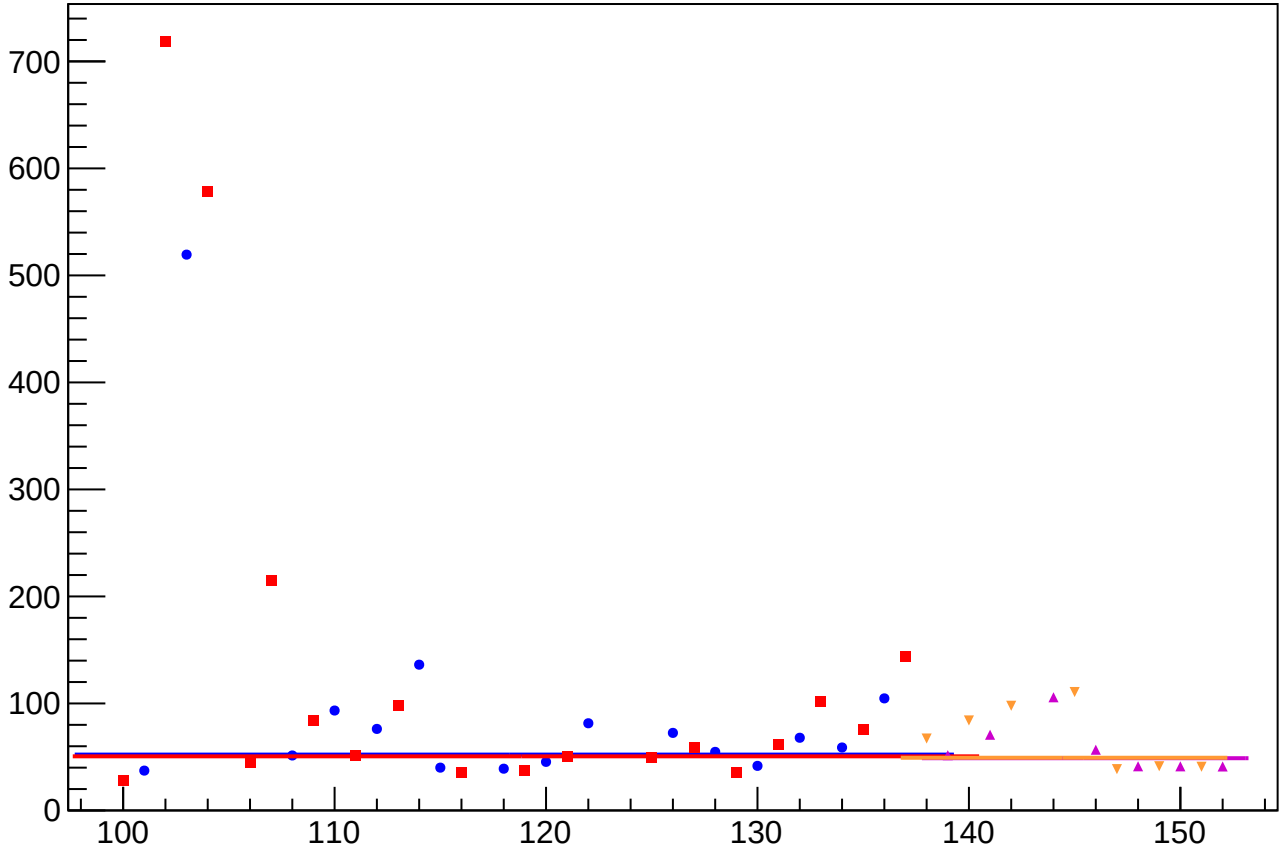
Left In: 0.036+/-0.022 χ^2/NDF:11.5/6

+ sign -0.019+/-0.016 χ^2/NDF: 23.2/22

All: 0.003+/-0.011 χ^2/NDF: 51.4/47

- sign 0.024+/-0.016 χ^2/NDF: 24.6/24

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: 49.254+/-0.017 χ^2/NDF:1260078.0/6

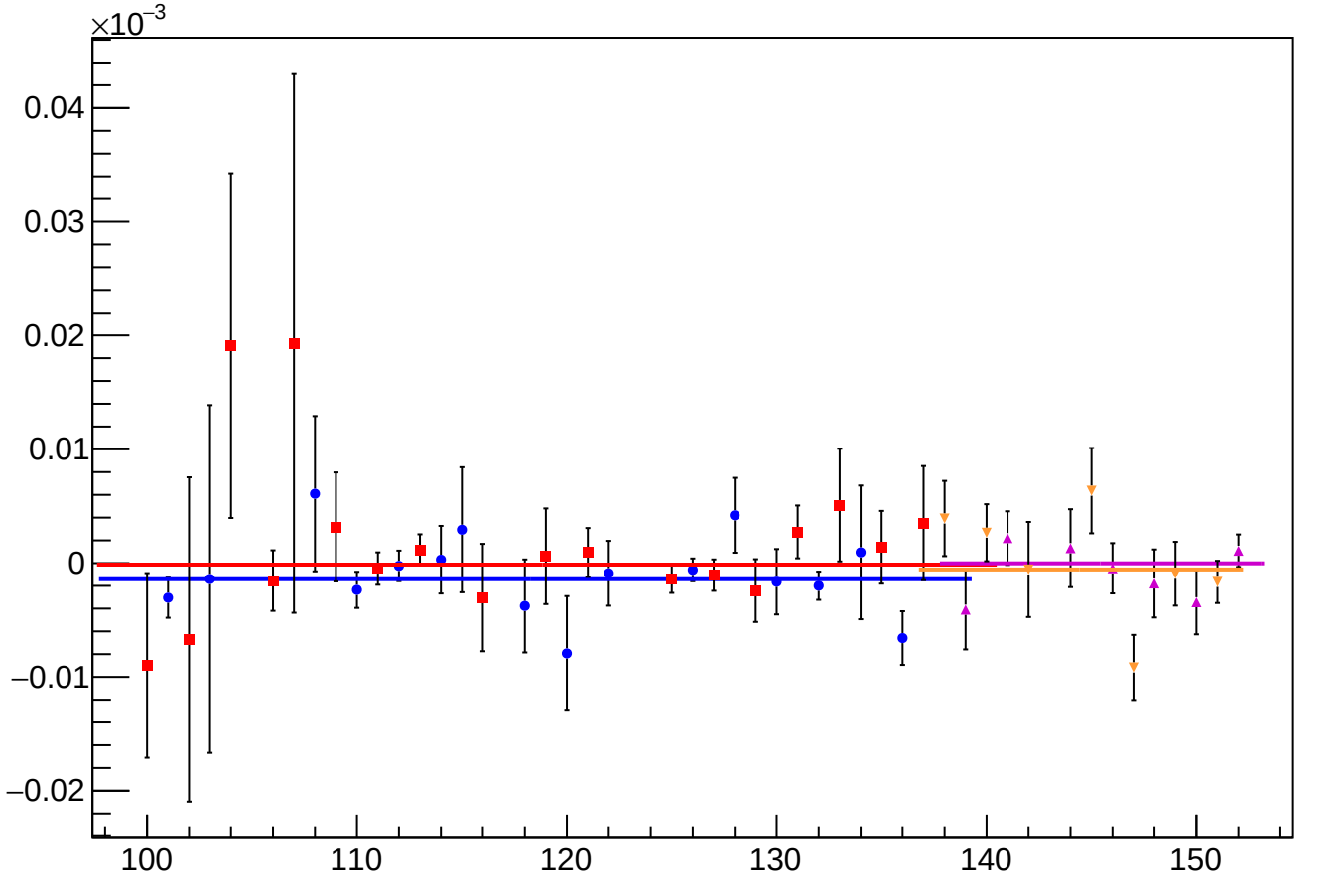
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.823+/-0.015 χ^2/NDF:842616.8/6

+ sign 50.810+/-0.012 χ^2/NDF: 3542823.0/22

All: 50.203+/-0.008 χ^2/NDF: 7448086.9/47

- sign 49.632+/-0.011 χ^2/NDF: 3900001.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/6

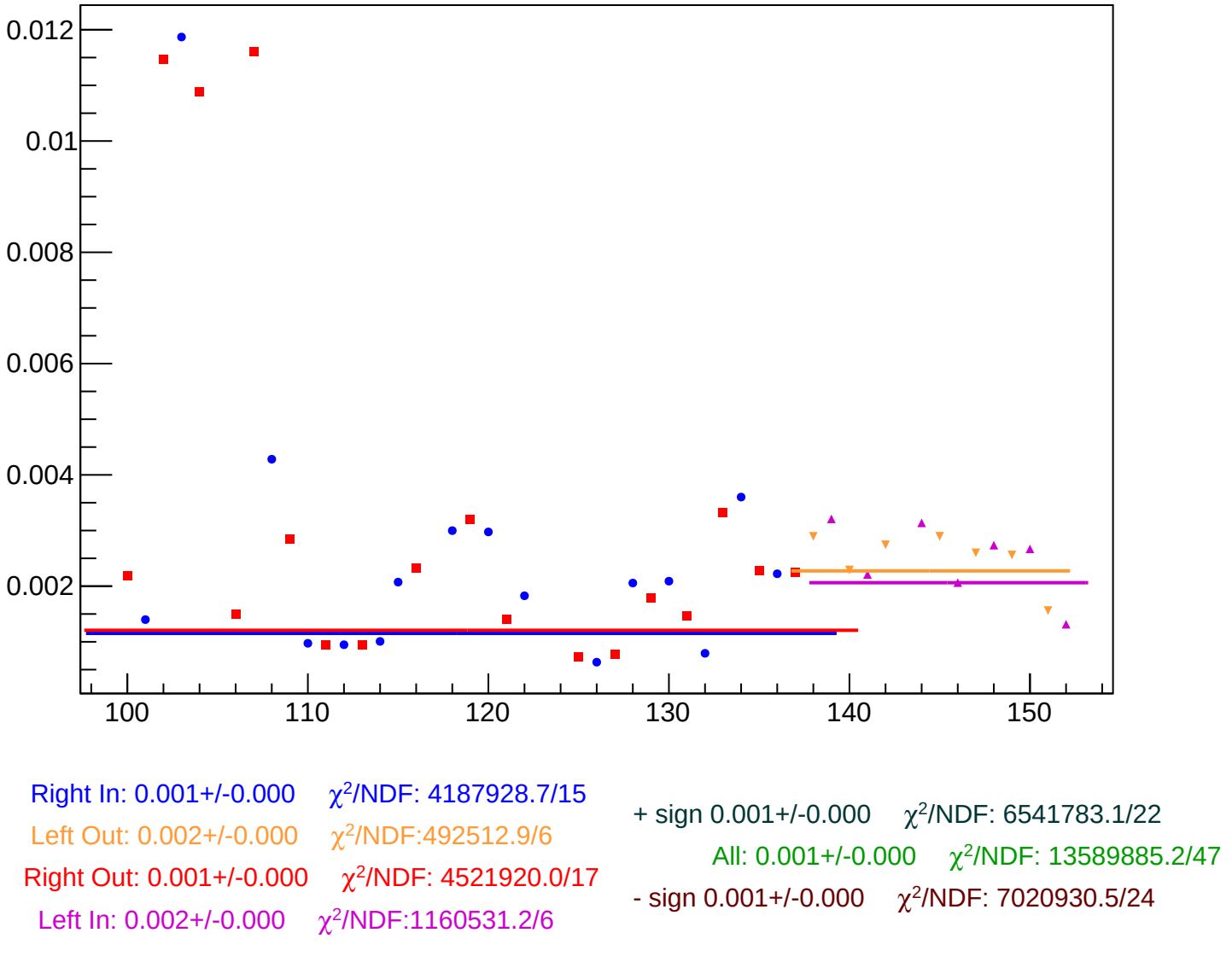
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

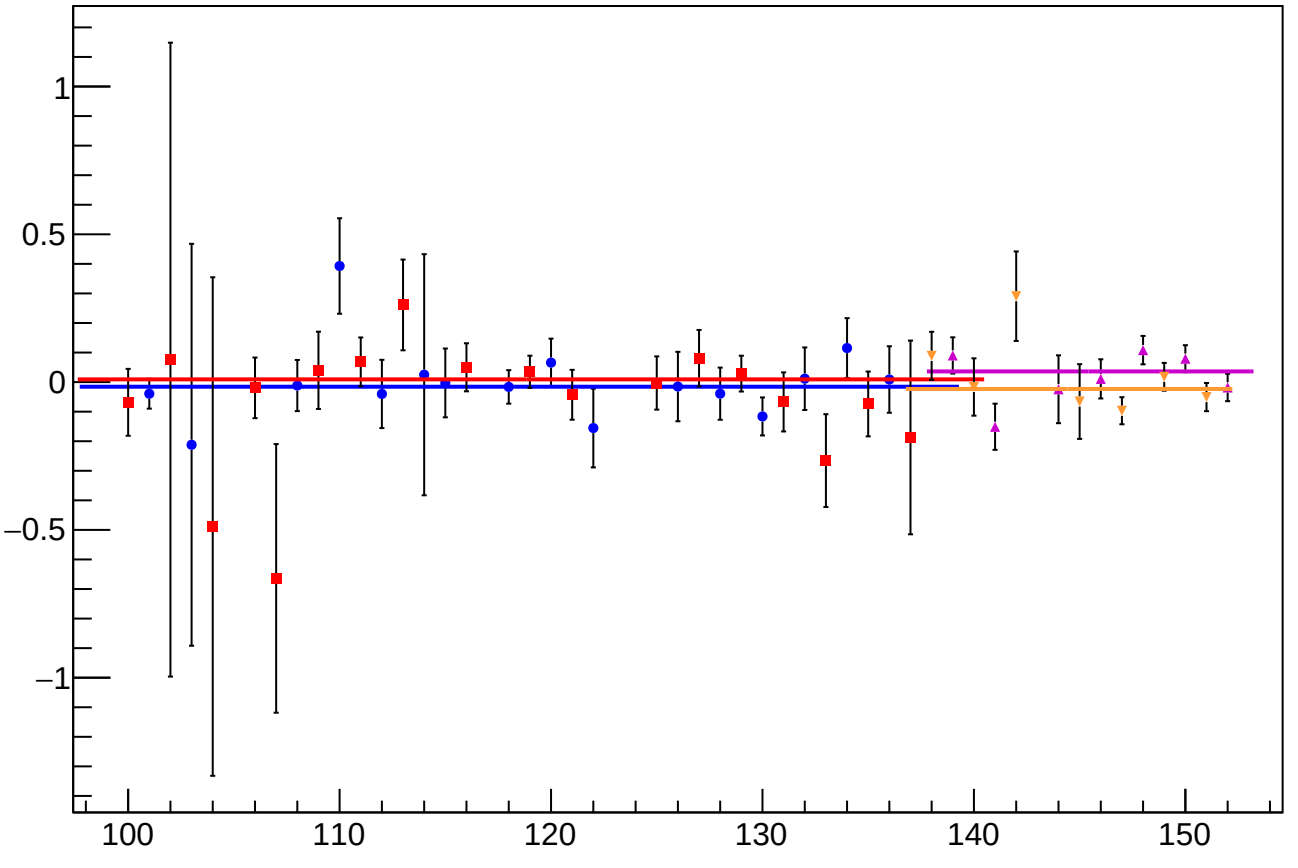
Left In: -0.000+/-0.000 χ^2/NDF:4.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 31.8/22

All: -0.000+/-0.000 χ^2/NDF: 51.3/47

- sign -0.000+/-0.000 χ^2/NDF: 16.5/24


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 4187928.7/15
Left Out: 0.002+/-0.000 χ²/NDF:492512.9/6
Right Out: 0.001+/-0.000 χ²/NDF: 4521920.0/17
Left In: 0.002+/-0.000 χ²/NDF:1160531.2/6
+ sign 0.001+/-0.000 χ²/NDF: 6541783.1/22
All: 0.001+/-0.000 χ²/NDF: 13589885.2/47
- sign 0.001+/-0.000 χ²/NDF: 7020930.5/24



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.023+/-0.024 χ^2/NDF:10.0/6

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

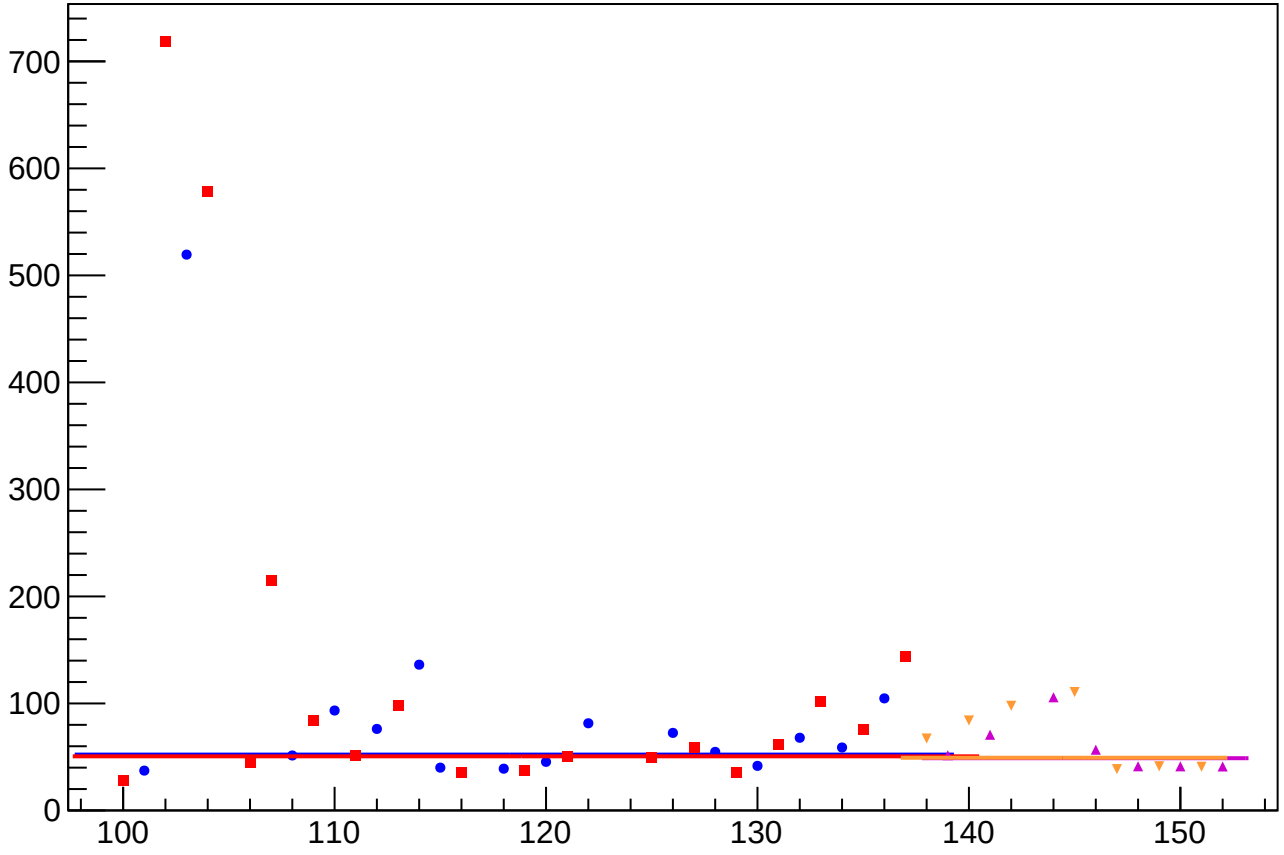
Left In: 0.036+/-0.022 χ^2/NDF:11.5/6

+ sign -0.019+/-0.016 χ^2/NDF: 23.2/22

All: 0.003+/-0.011 χ^2/NDF: 51.4/47

- sign 0.024+/-0.016 χ^2/NDF: 24.6/24

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: 49.255+/-0.017 χ^2/NDF:1260051.6/6

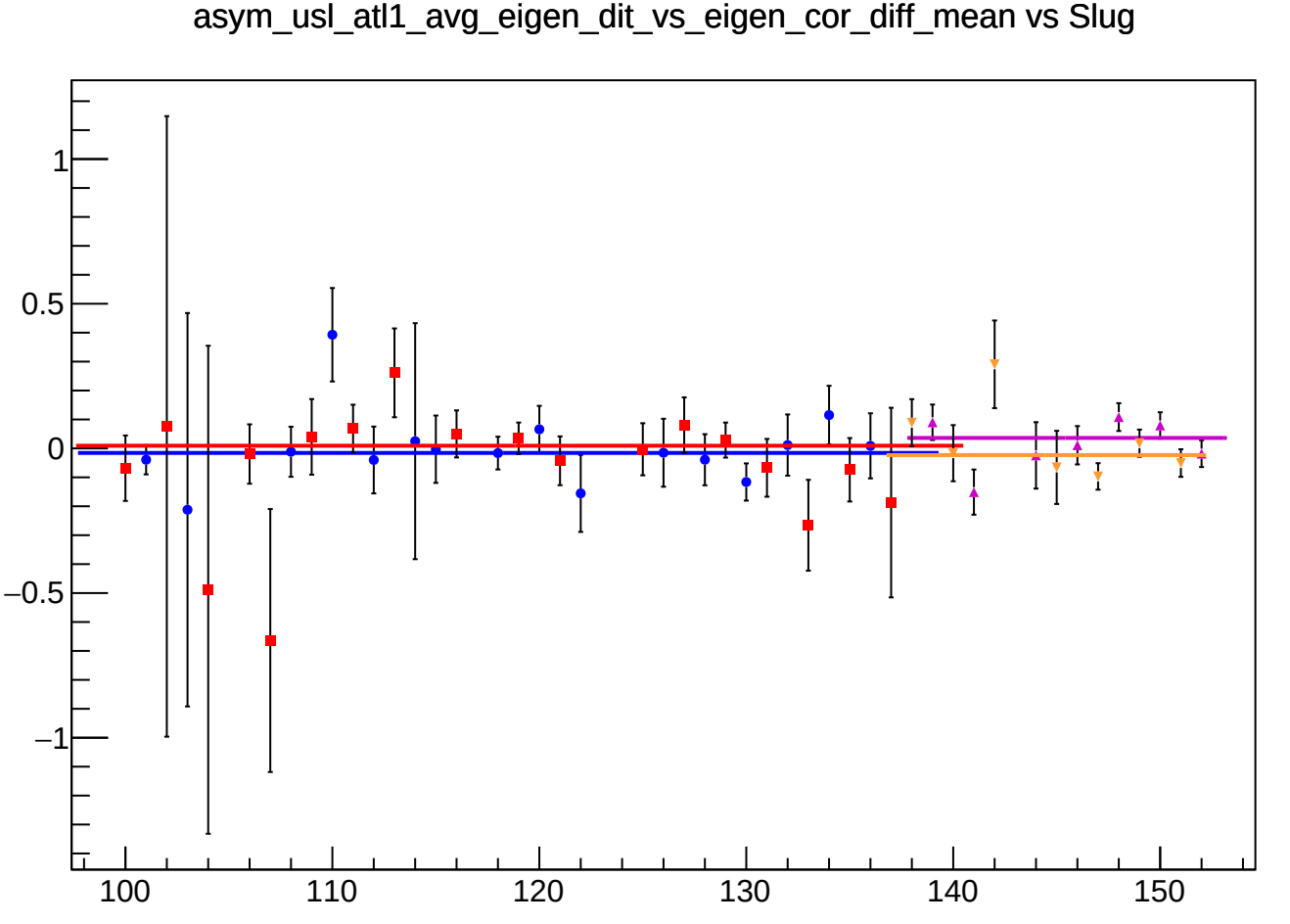
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.823+/-0.015 χ^2/NDF:842603.7/6

+ sign 50.810+/-0.012 χ^2/NDF: 3542786.9/22

All: 50.203+/-0.008 χ^2/NDF: 7448019.3/47

- sign 49.632+/-0.011 χ^2/NDF: 3899969.8/24



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.023+/-0.024 χ^2/NDF:10.0/6

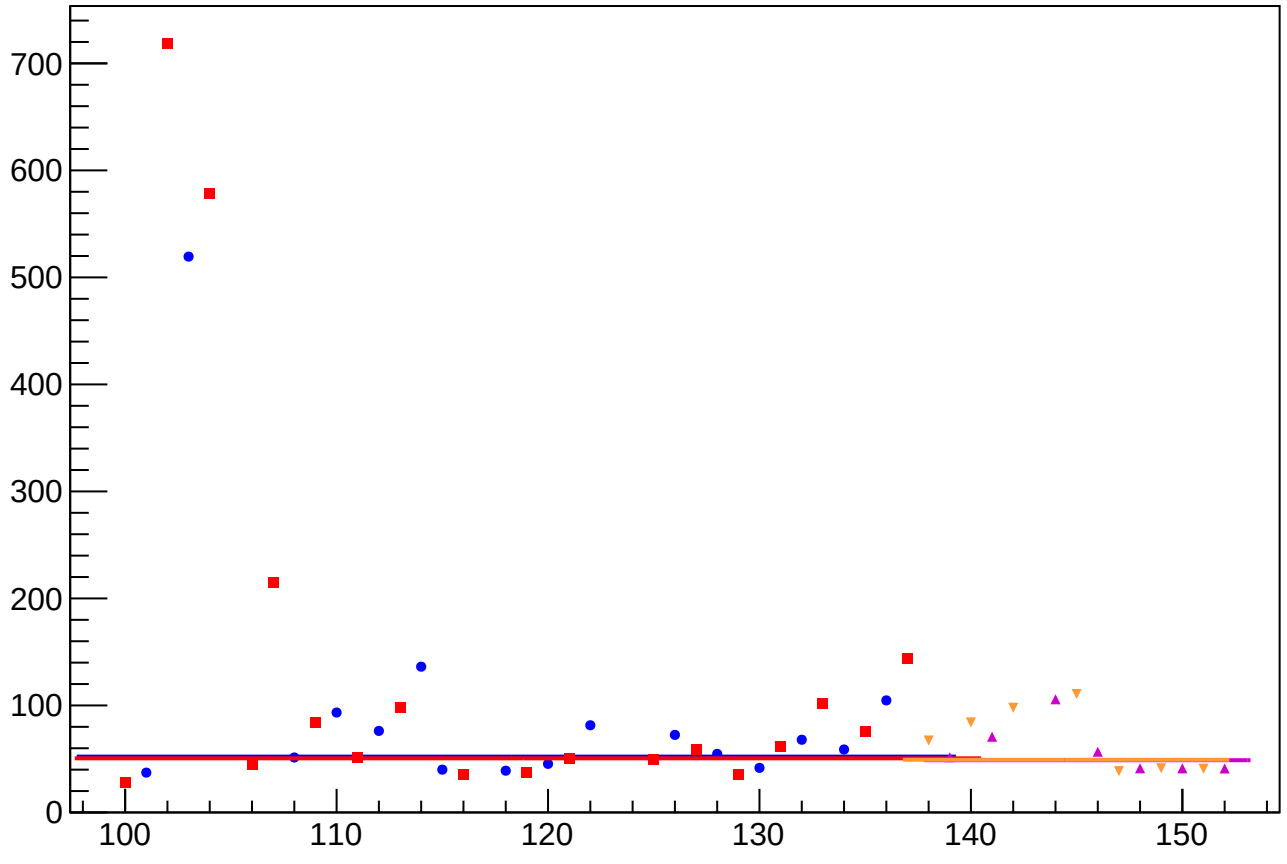
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.036+/-0.022 χ^2/NDF:11.5/6

+ sign -0.019+/-0.016 χ^2/NDF: 23.2/22

All: 0.003+/-0.011 χ^2/NDF: 51.4/47

- sign 0.024+/-0.016 χ^2/NDF: 24.6/24



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 49.255+/-0.017 χ^2/NDF:1260051.6/6

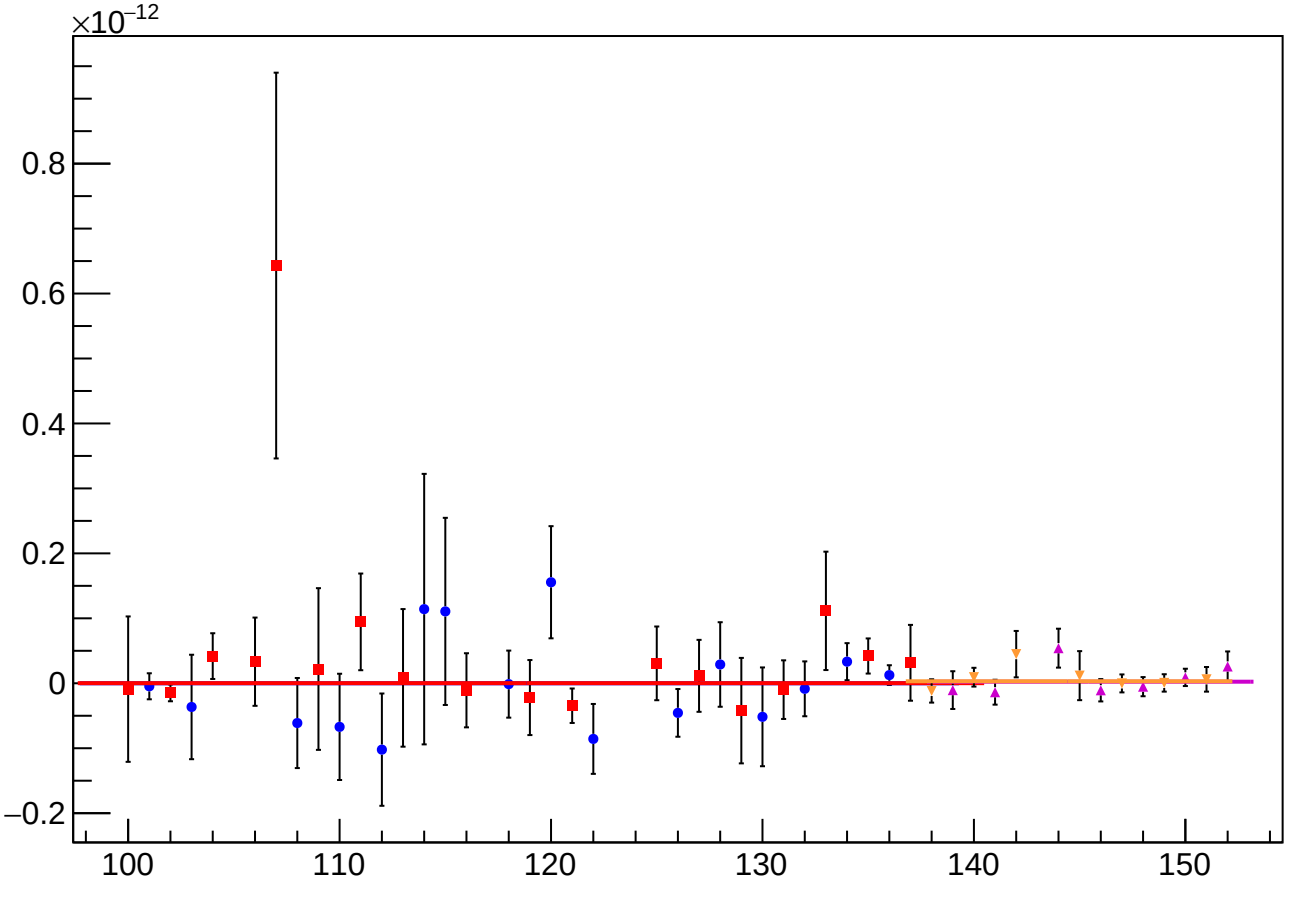
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.823+/-0.015 χ^2/NDF:842603.7/6

+ sign 50.810+/-0.012 χ^2/NDF: 3542786.9/22

All: 50.203+/-0.008 χ^2/NDF: 7448019.3/47

- sign 49.632+/-0.011 χ^2/NDF: 3899969.8/24



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/6

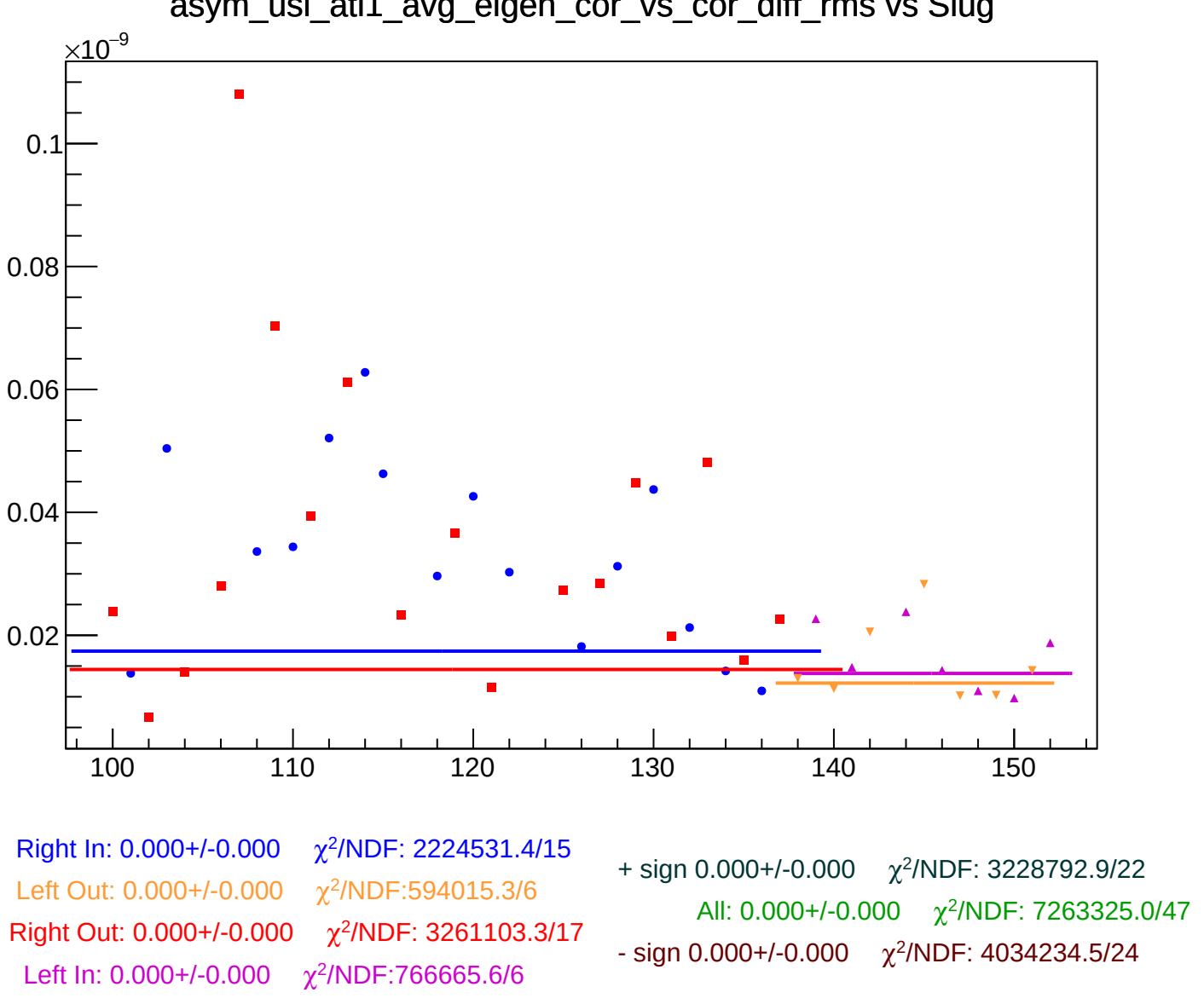
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:6.0/6

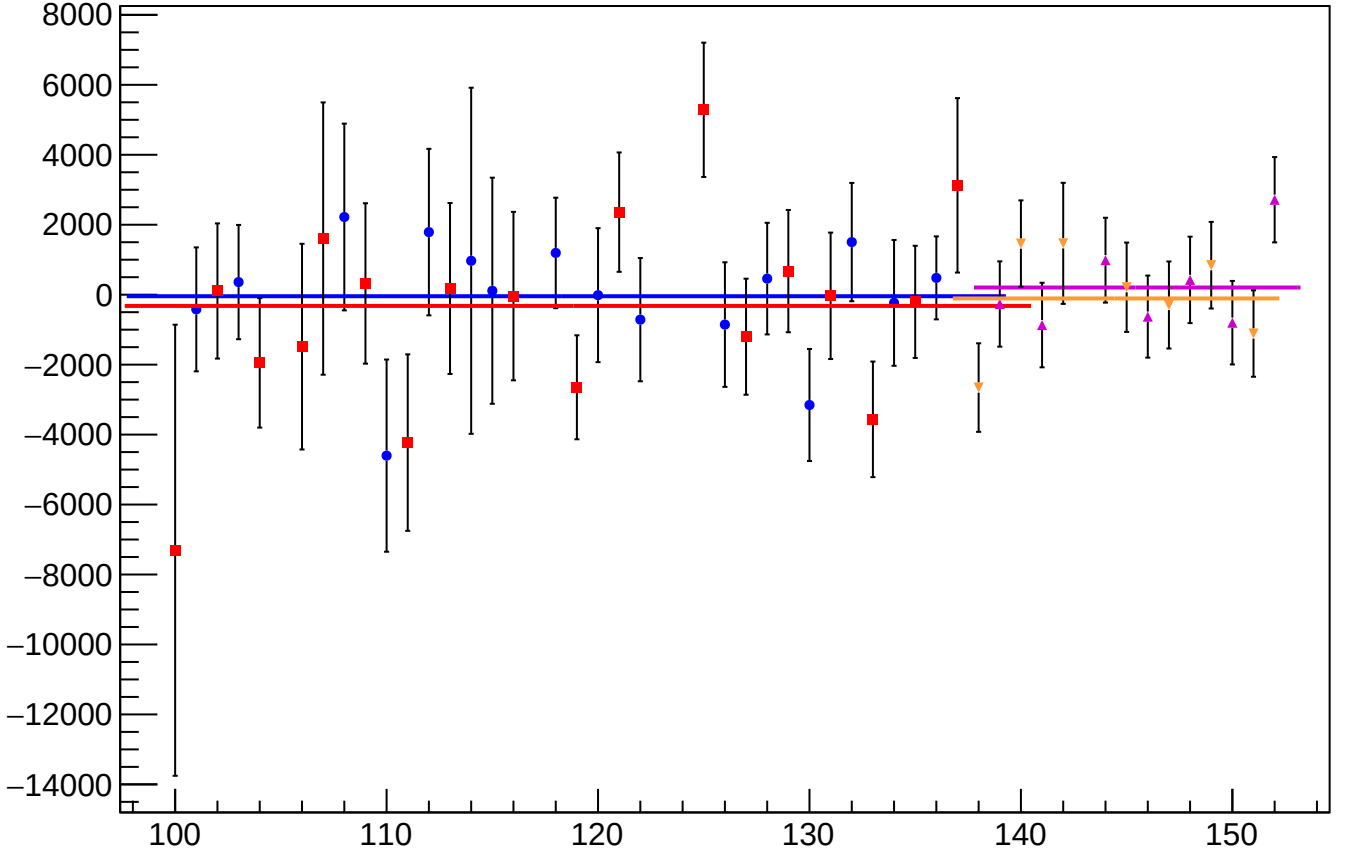
+ sign 0.000+/-0.000 χ^2/NDF: 16.6/22

All: 0.000+/-0.000 χ^2/NDF: 38.6/47

- sign 0.000+/-0.000 χ^2/NDF: 22.1/24


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:594015.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:766665.6/6
+ sign 0.000+/-0.000 χ²/NDF: 3228792.9/22
All: 0.000+/-0.000 χ²/NDF: 7263325.0/47
- sign 0.000+/-0.000 χ²/NDF: 4034234.5/24

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -107.274+/-489.080 χ^2/NDF:7.8/6

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

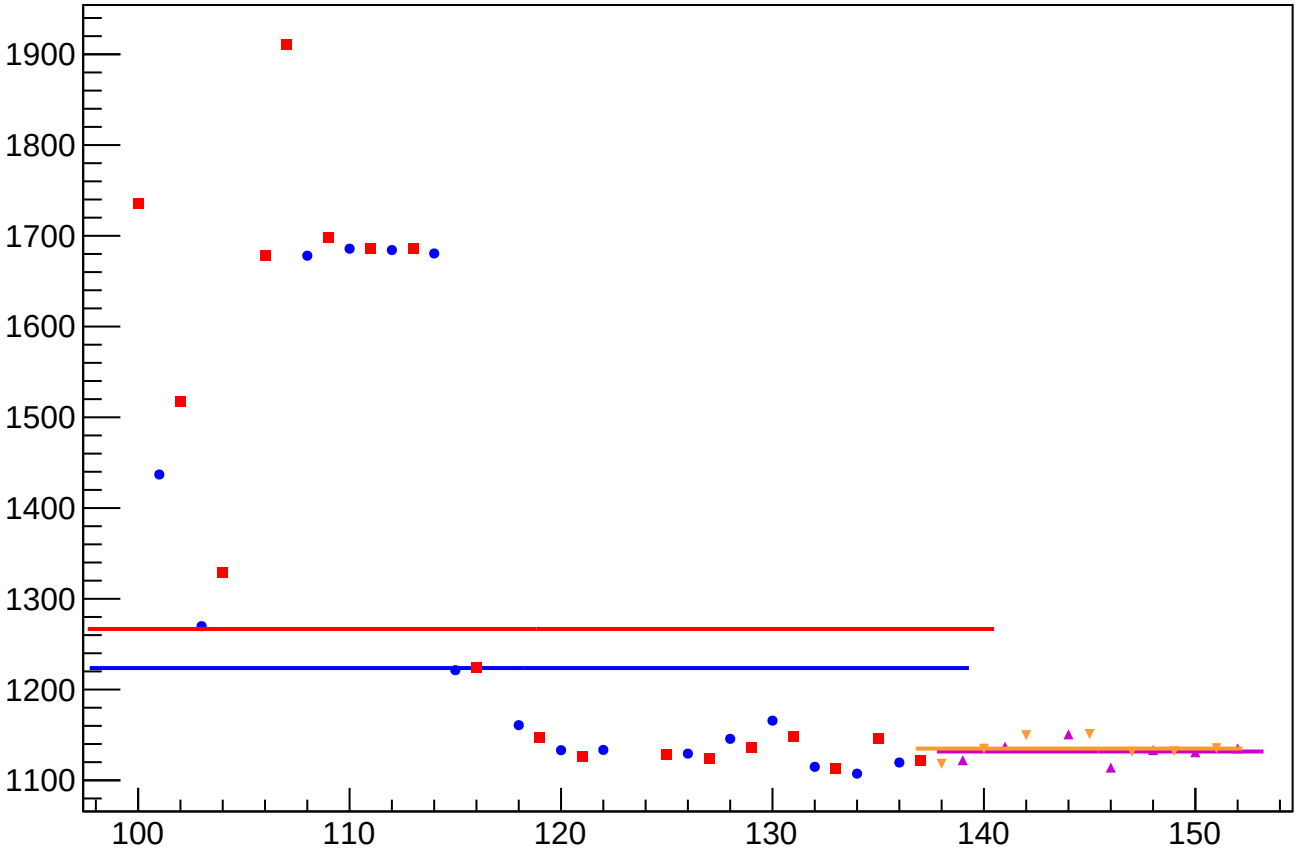
Left In: 205.176+/-456.784 χ^2/NDF:6.8/6

+ sign -73.477+/-334.777 χ^2/NDF: 17.9/22

All: -60.419+/-234.736 χ^2/NDF: 50.2/47

- sign -47.791+/-329.226 χ^2/NDF: 32.2/24

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.999+/-0.346 χ^2/NDF:837.3/6

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

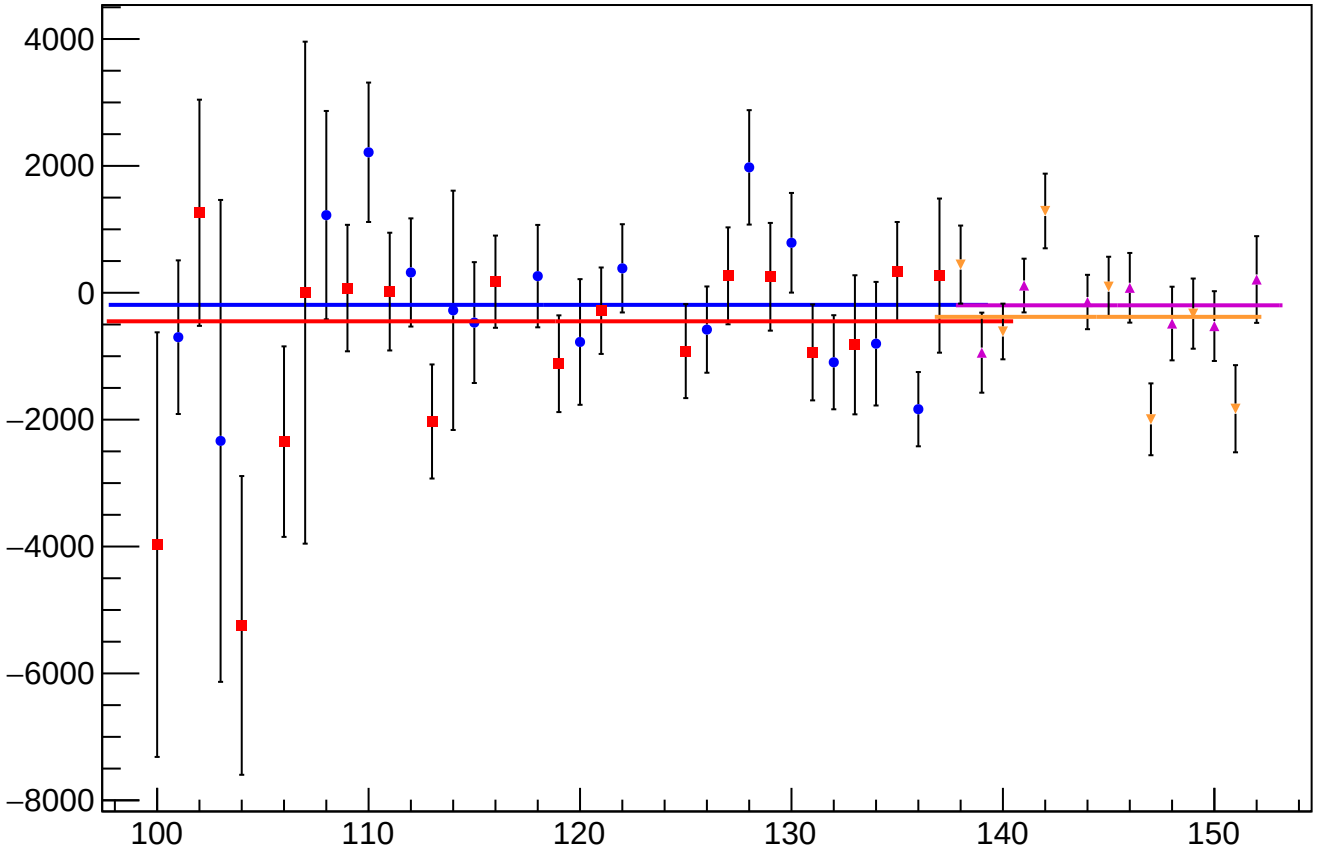
Left In: 1131.769+/-0.323 χ^2/NDF:1123.5/6

+ sign 1182.142+/-0.237 χ^2/NDF: 330769.5/22

All: 1189.514+/-0.166 χ^2/NDF: 850603.9/47

- sign 1196.644+/-0.233 χ^2/NDF: 517926.5/24

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -379.580+/-205.294 χ^2/NDF:23.7/6

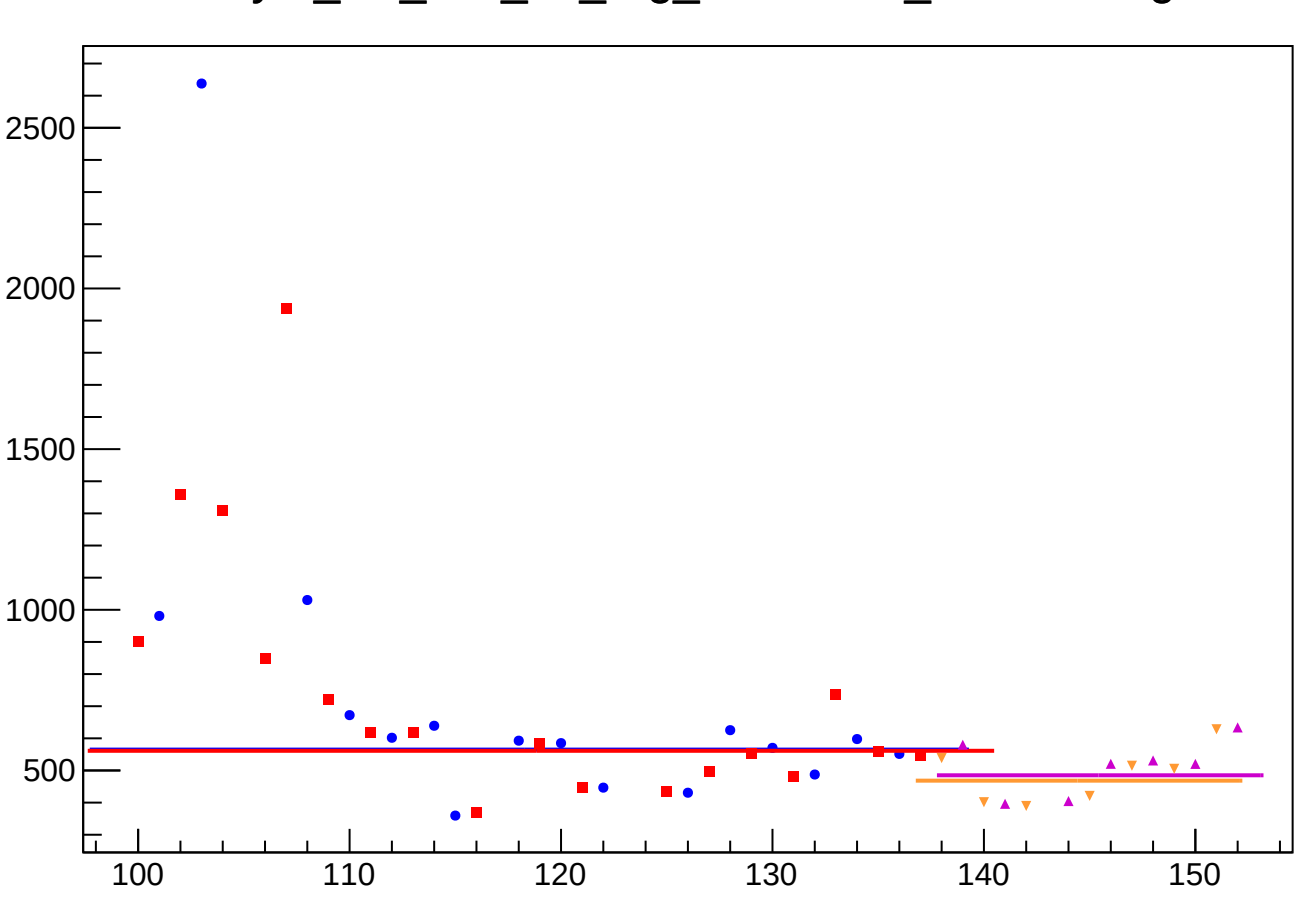
Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: -197.727+/-198.925 χ^2/NDF:3.2/6

+ sign -292.850+/-150.996 χ^2/NDF: 49.4/22

All: -301.230+/-105.879 χ^2/NDF: 70.0/47

- sign -309.335+/-148.506 χ^2/NDF: 20.7/24



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 468.329+/-0.145 χ^2/NDF:259586.8/6

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

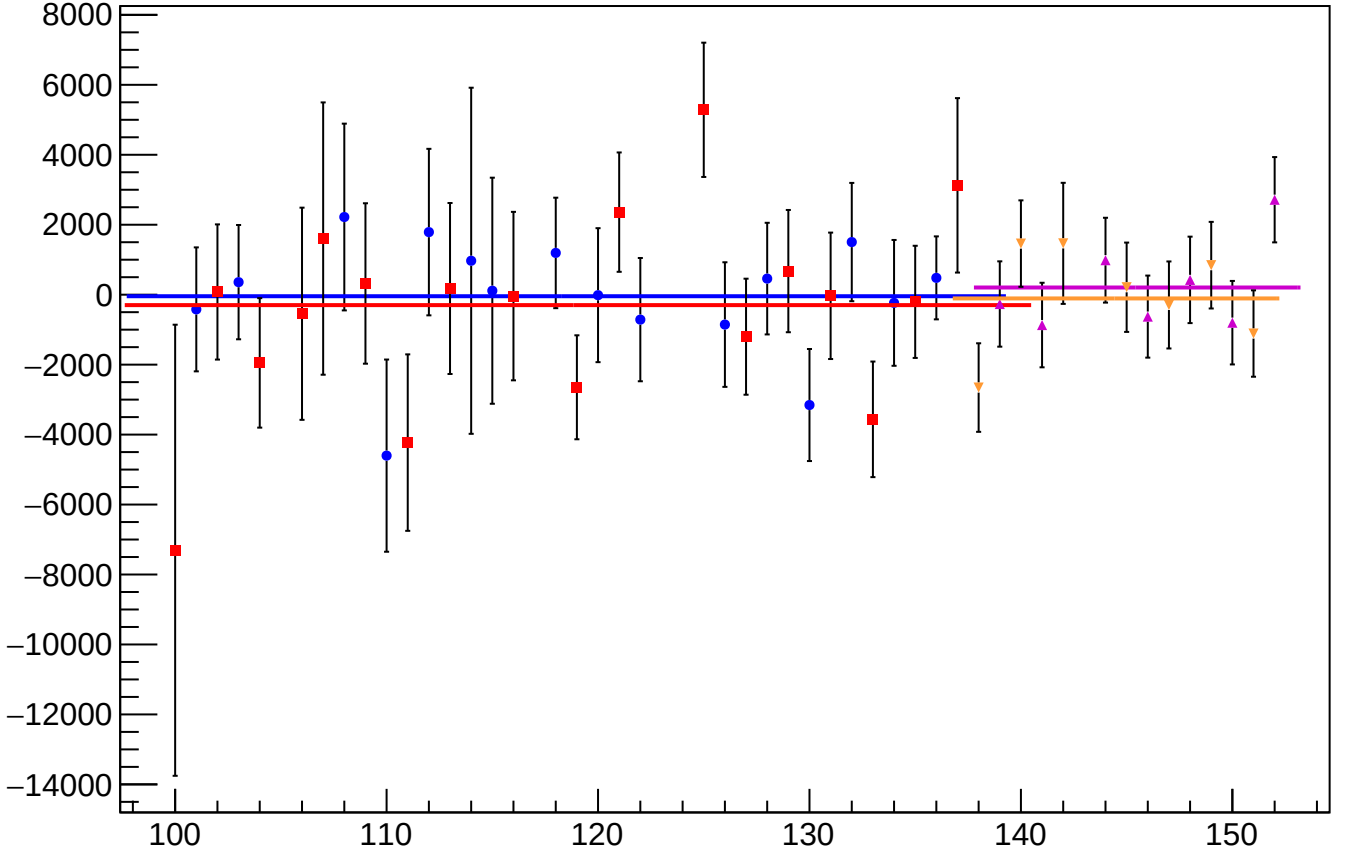
Left In: 485.013+/-0.141 χ^2/NDF:327738.6/6

+ sign 512.684+/-0.107 χ^2/NDF: 1747457.9/22

All: 515.772+/-0.075 χ^2/NDF: 3559095.3/47

- sign 518.759+/-0.105 χ^2/NDF: 1809992.0/24

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -107.145+/-489.080 χ^2/NDF:7.8/6

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

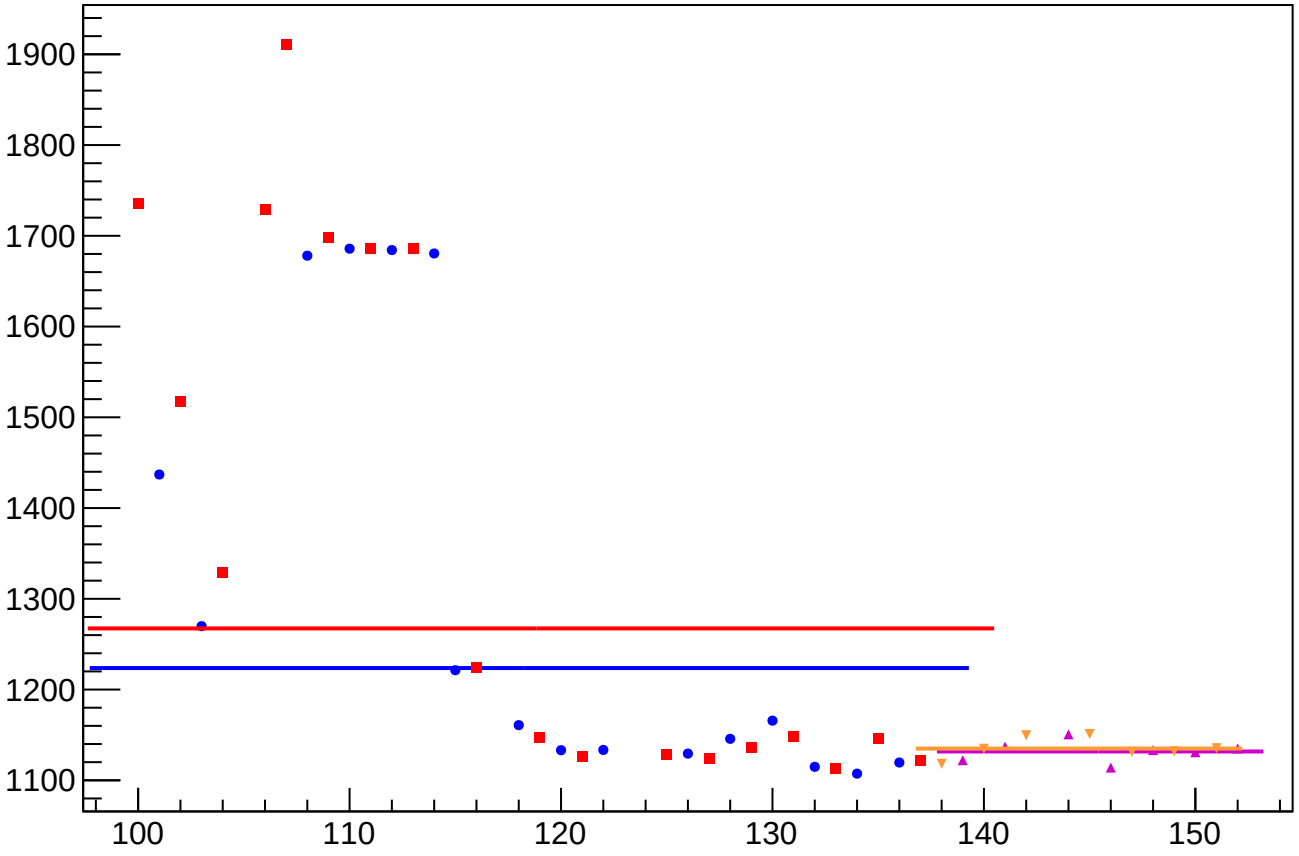
Left In: 205.247+/-456.784 χ^2/NDF:6.8/6

+ sign -73.545+/-334.777 χ^2/NDF: 17.9/22

All: -54.707+/-234.781 χ^2/NDF: 50.0/47

- sign -36.475+/-329.351 χ^2/NDF: 32.0/24

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.999+/-0.346 χ^2/NDF:837.3/6

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

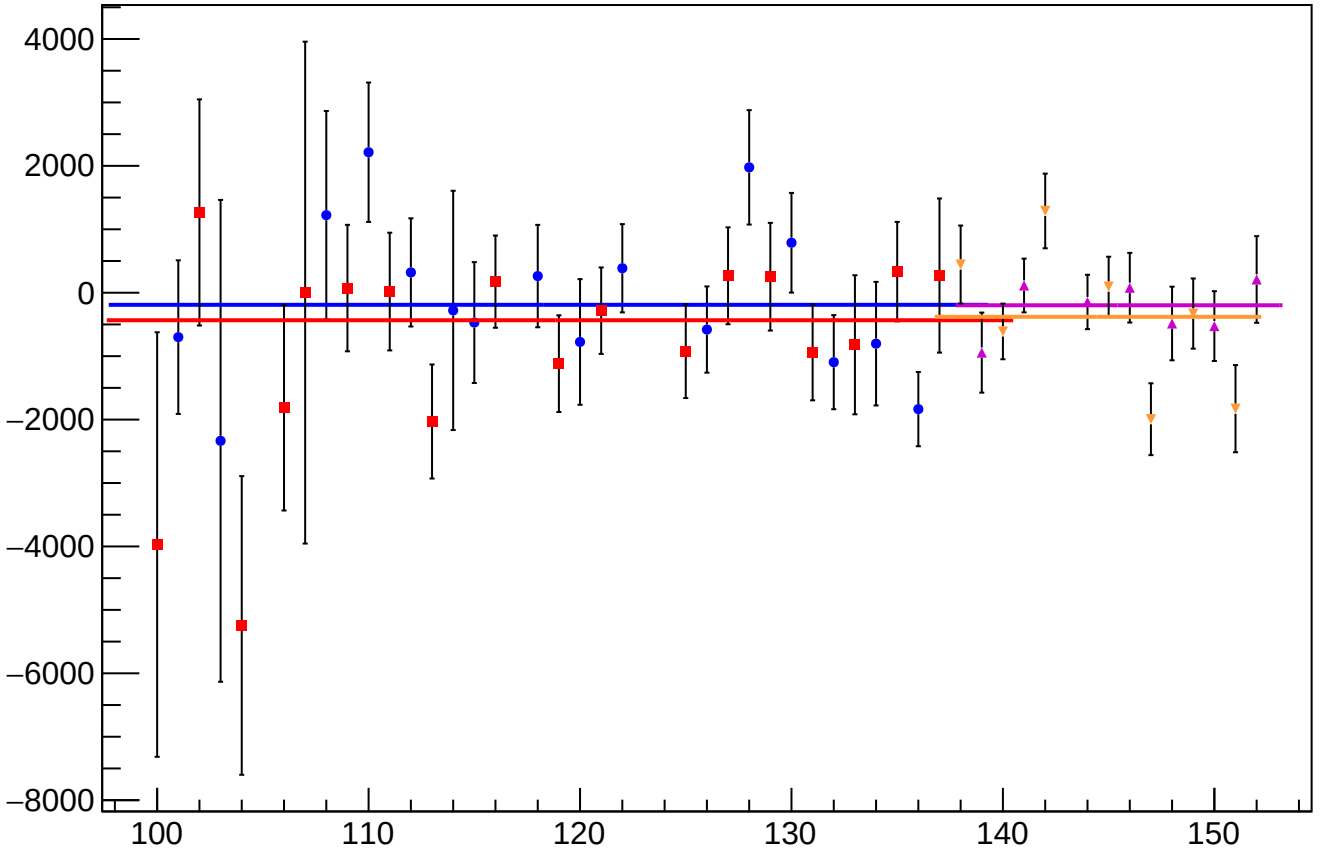
Left In: 1131.769+/-0.323 χ^2/NDF:1123.5/6

+ sign 1182.142+/-0.237 χ^2/NDF: 330769.6/22

All: 1189.627+/-0.166 χ^2/NDF: 858458.0/47

- sign 1196.871+/-0.233 χ^2/NDF: 525721.1/24

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -379.561+/-205.293 χ^2/NDF:23.7/6

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

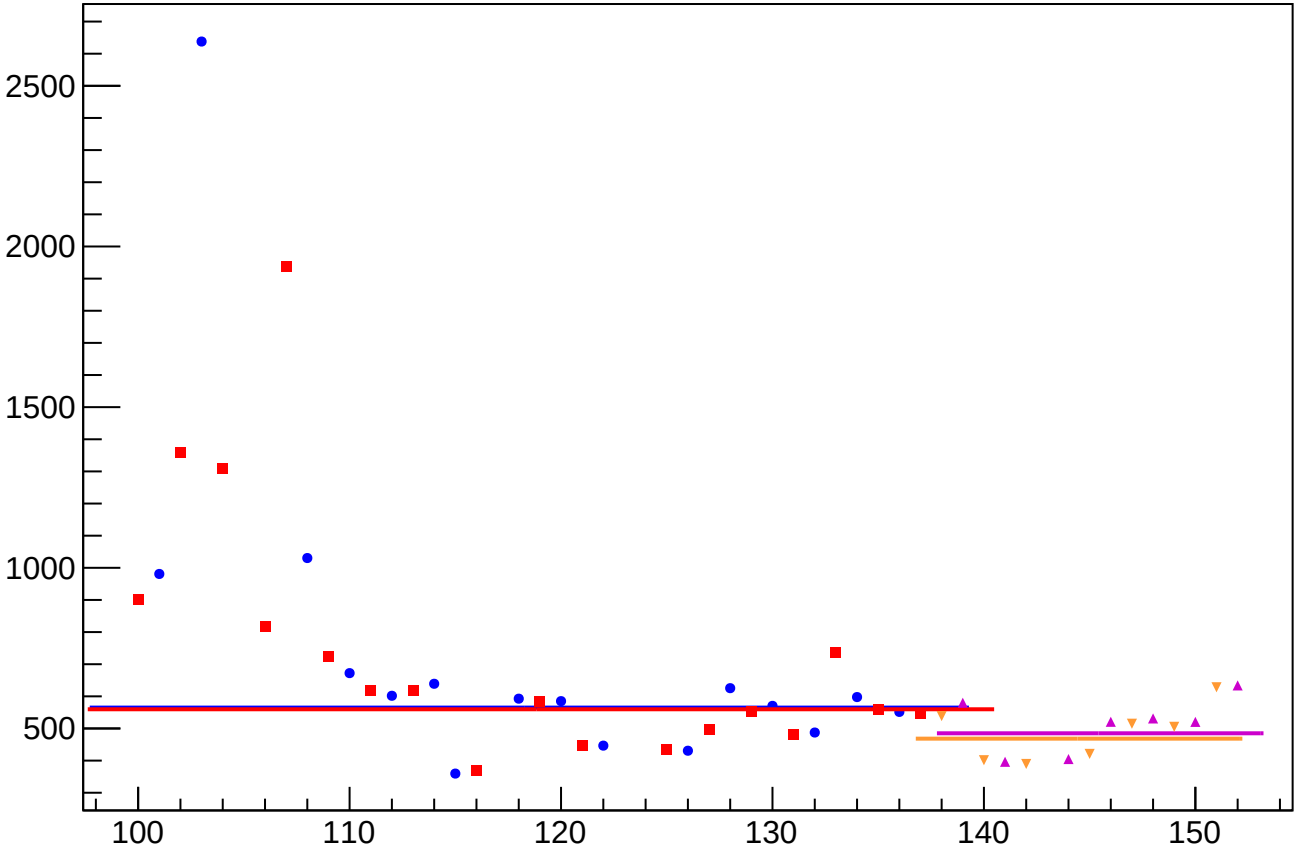
Left In: -197.732+/-198.925 χ^2/NDF:3.2/6

+ sign -292.845+/-150.995 χ^2/NDF: 49.4/22

All: -297.540+/-105.915 χ^2/NDF: 69.1/47

- sign -302.089+/-148.607 χ^2/NDF: 19.7/24

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 468.327+/-0.145 χ^2/NDF:259554.8/6

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

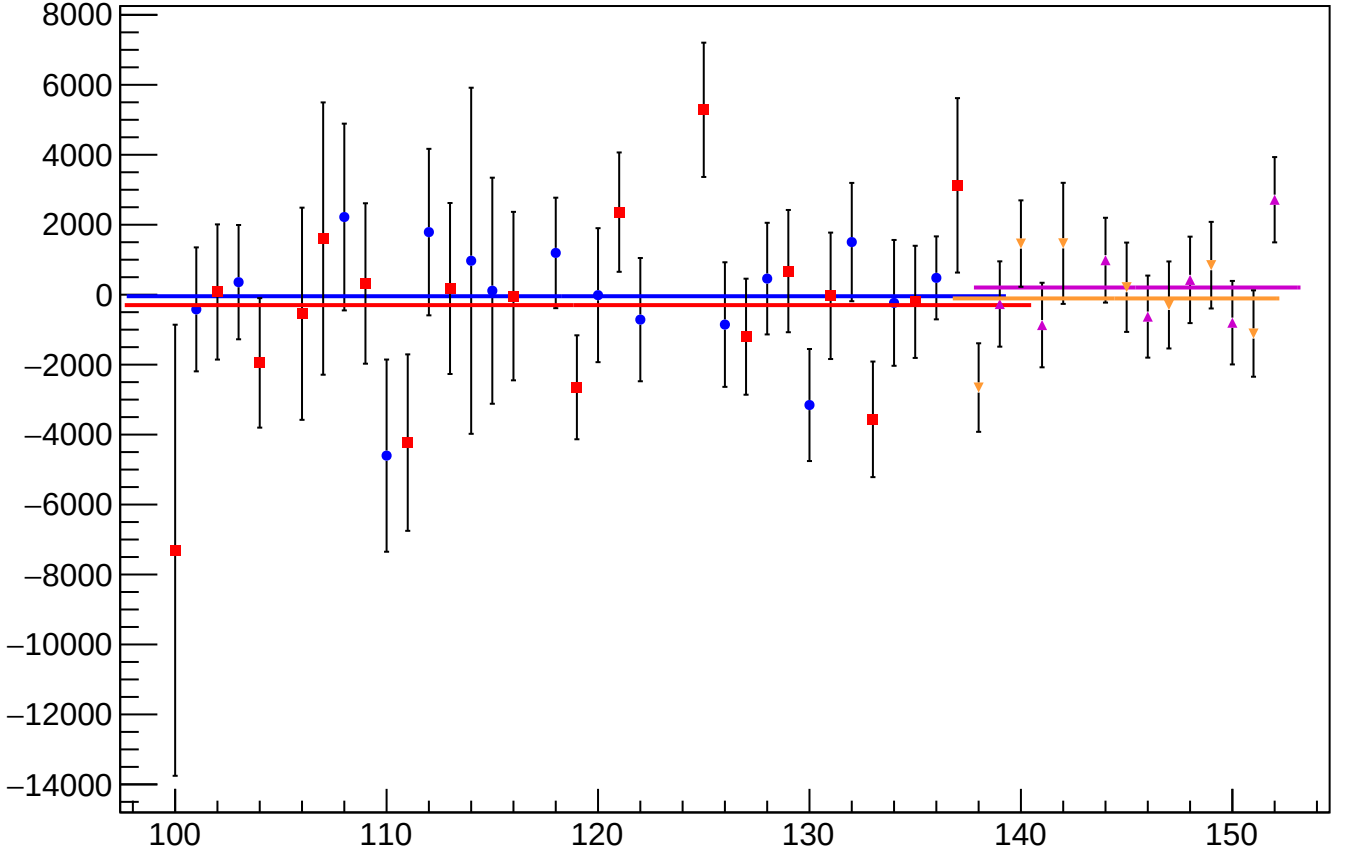
Left In: 485.014+/-0.141 χ^2/NDF:327717.5/6

+ sign 512.681+/-0.107 χ^2/NDF: 1747394.6/22

All: 515.406+/-0.075 χ^2/NDF: 3530528.2/47

- sign 518.045+/-0.105 χ^2/NDF: 1781851.6/24

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -107.145+/-489.080 χ^2/NDF:7.8/6

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

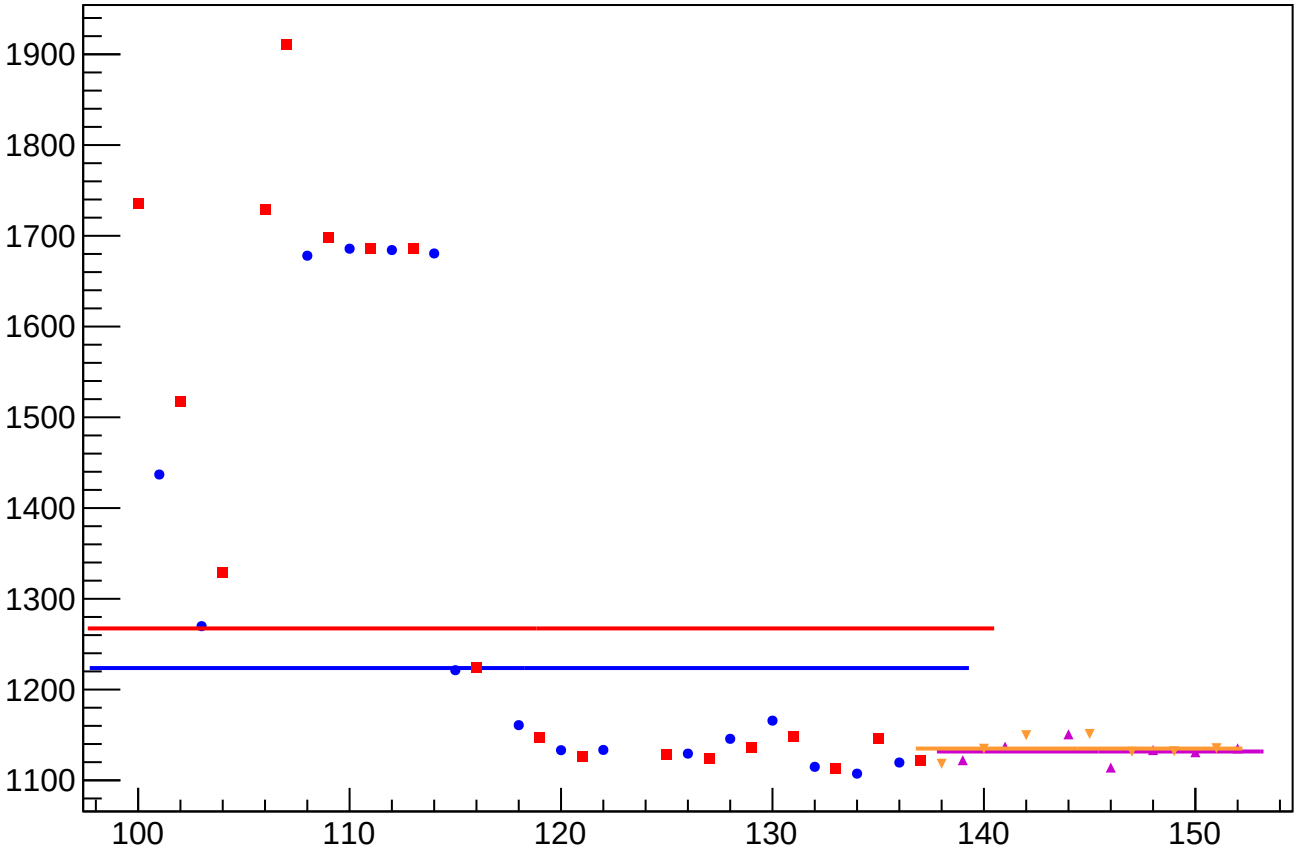
Left In: 205.247+/-456.784 χ^2/NDF:6.8/6

+ sign -73.545+/-334.777 χ^2/NDF: 17.9/22

All: -54.707+/-234.781 χ^2/NDF: 50.0/47

- sign -36.475+/-329.351 χ^2/NDF: 32.0/24

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.999+/-0.346 χ^2/NDF:837.3/6

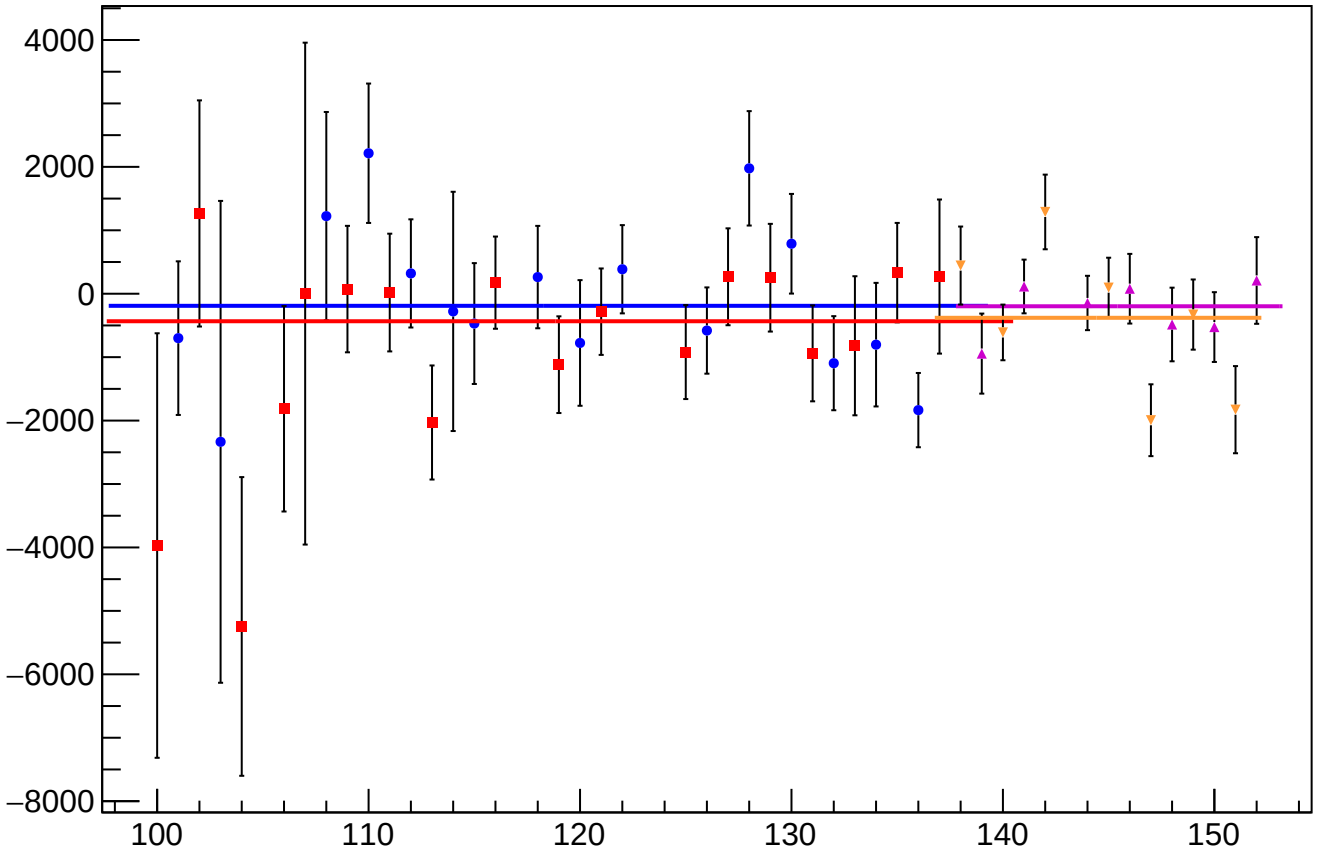
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.769+/-0.323 χ^2/NDF:1123.5/6

+ sign 1182.142+/-0.237 χ^2/NDF: 330769.6/22

All: 1189.627+/-0.166 χ^2/NDF: 858458.0/47

- sign 1196.871+/-0.233 χ^2/NDF: 525721.1/24



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -379.561+/-205.293 χ^2/NDF:23.7/6

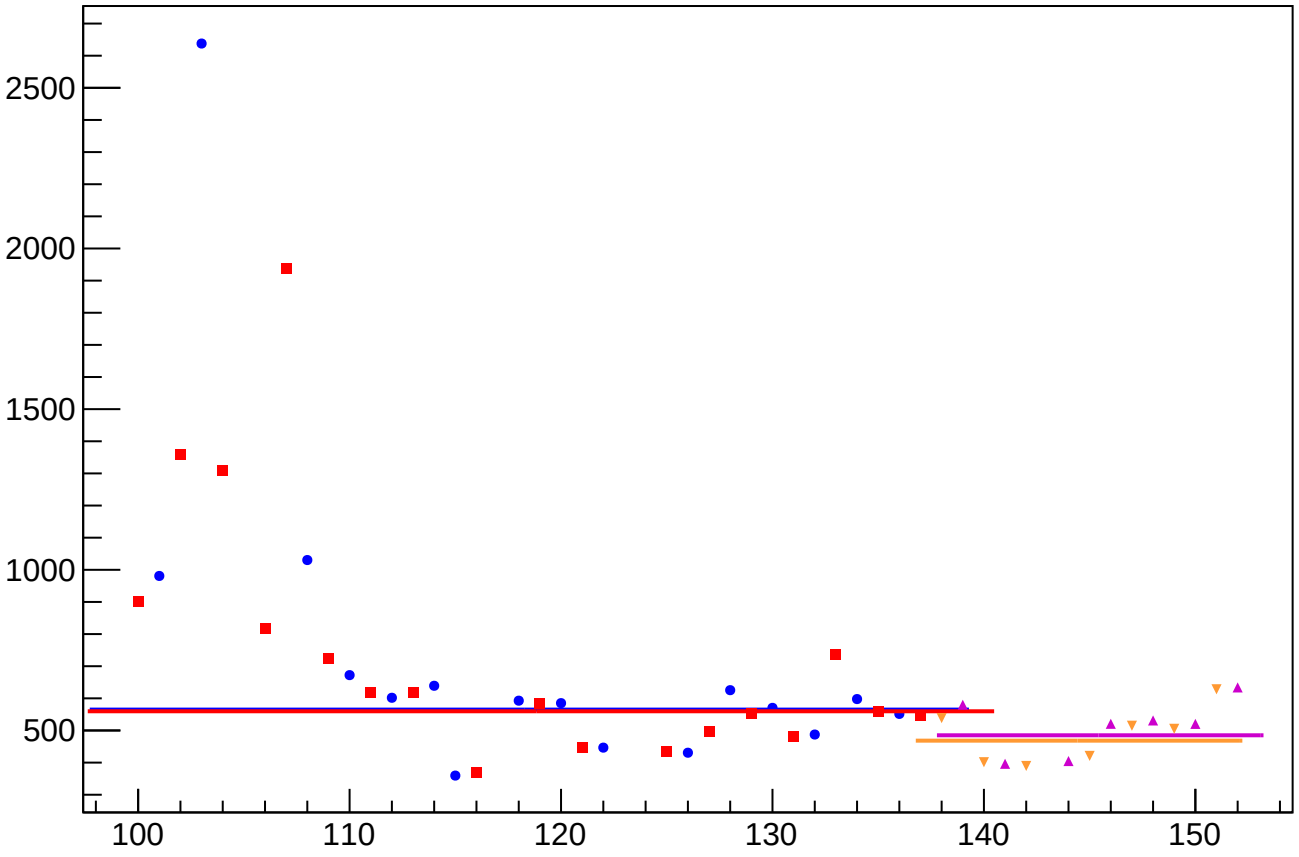
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -197.732+/-198.925 χ^2/NDF:3.2/6

+ sign -292.845+/-150.995 χ^2/NDF: 49.4/22

All: -297.540+/-105.915 χ^2/NDF: 69.1/47

- sign -302.089+/-148.607 χ^2/NDF: 19.7/24



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 468.327+/-0.145 χ^2/NDF:259554.8/6

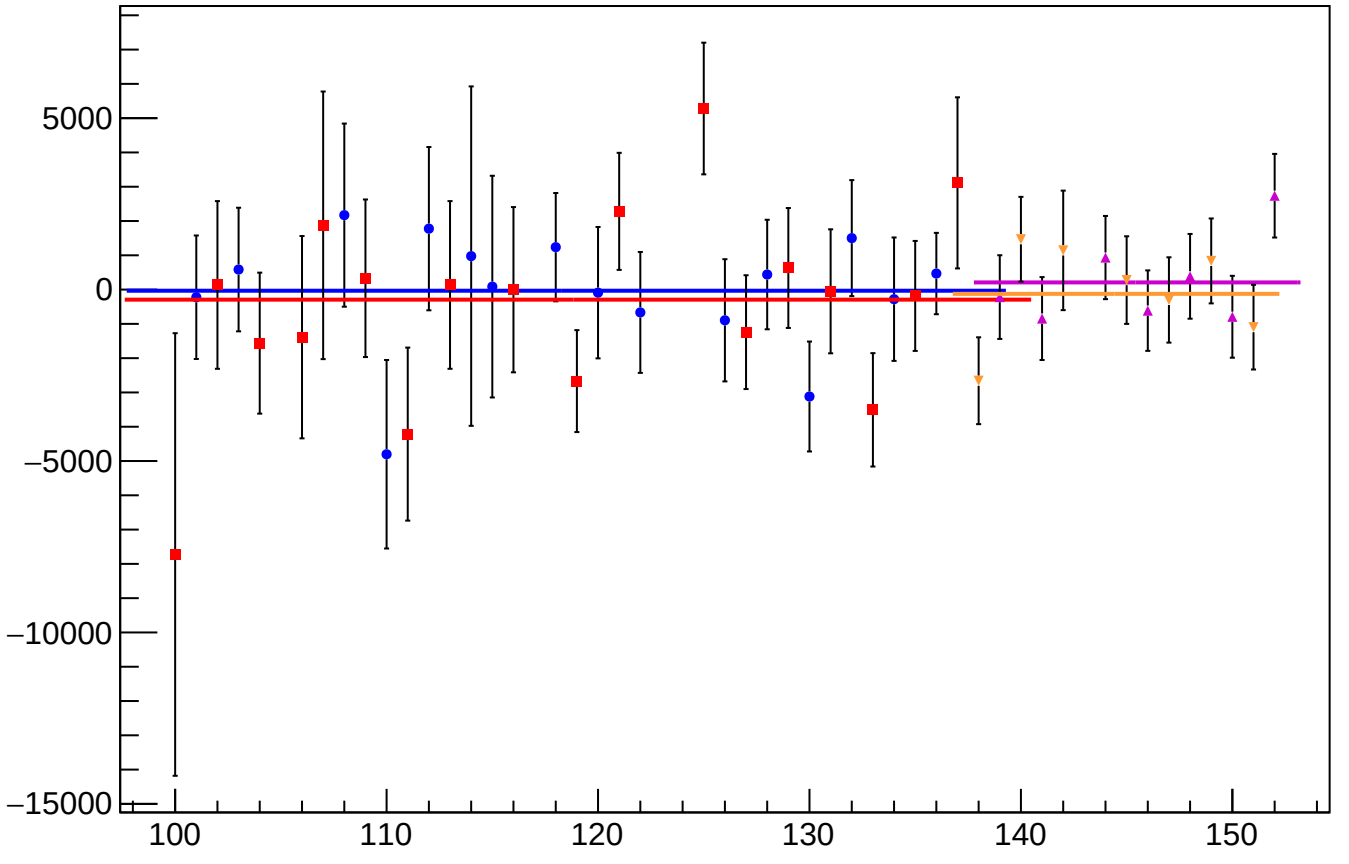
Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 485.014+/-0.141 χ^2/NDF:327717.5/6

+ sign 512.681+/-0.107 χ^2/NDF: 1747394.6/22

All: 515.406+/-0.075 χ^2/NDF: 3530528.2/47

- sign 518.045+/-0.105 χ^2/NDF: 1781851.6/24



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -124.333+/-489.532 χ^2/NDF:7.5/6

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

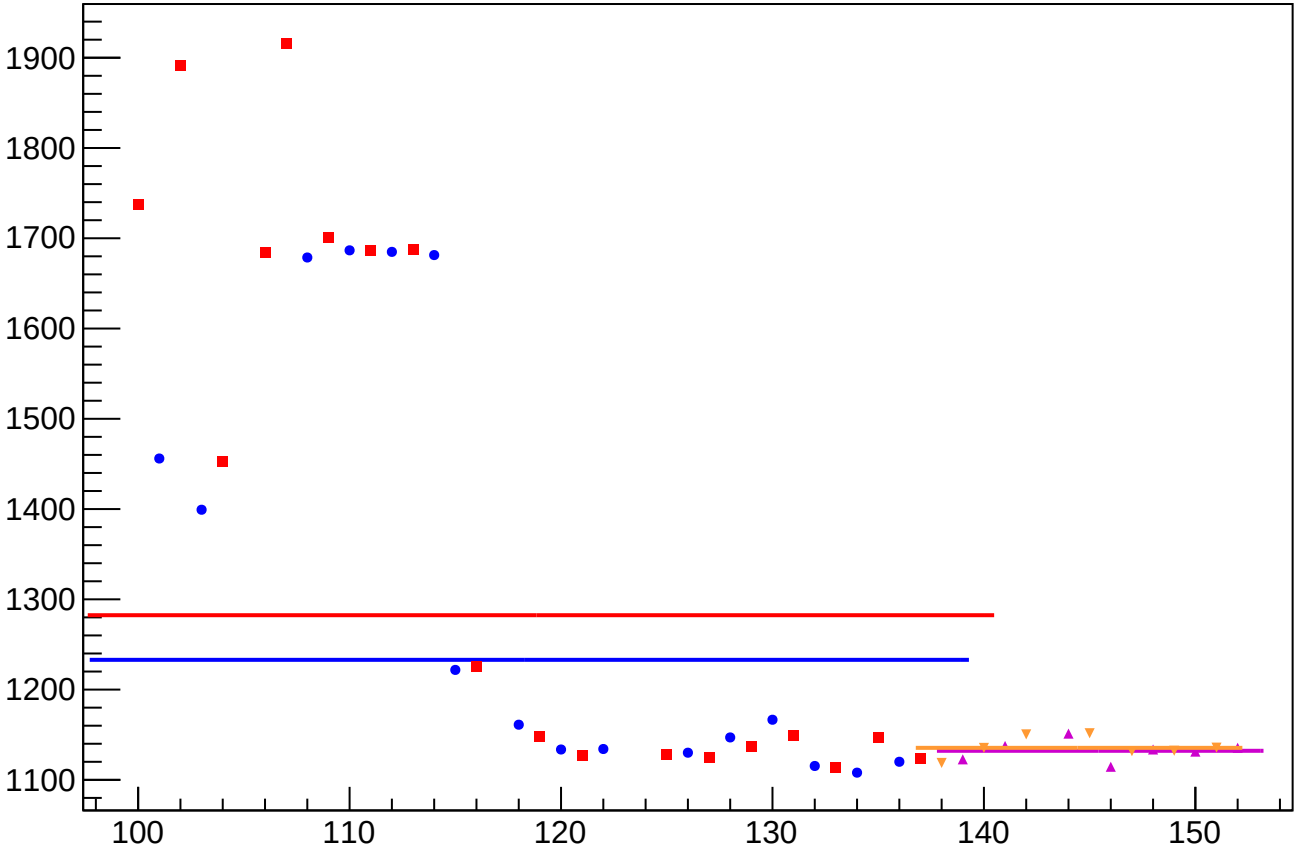
Left In: 209.299+/-456.956 χ^2/NDF:6.8/6

+ sign -76.178+/-336.462 χ^2/NDF: 17.8/22

All: -51.627+/-236.398 χ^2/NDF: 49.4/47

- sign -27.691+/-332.214 χ^2/NDF: 31.6/24

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1135.463+/-0.346 χ^2/NDF:846.4/6

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

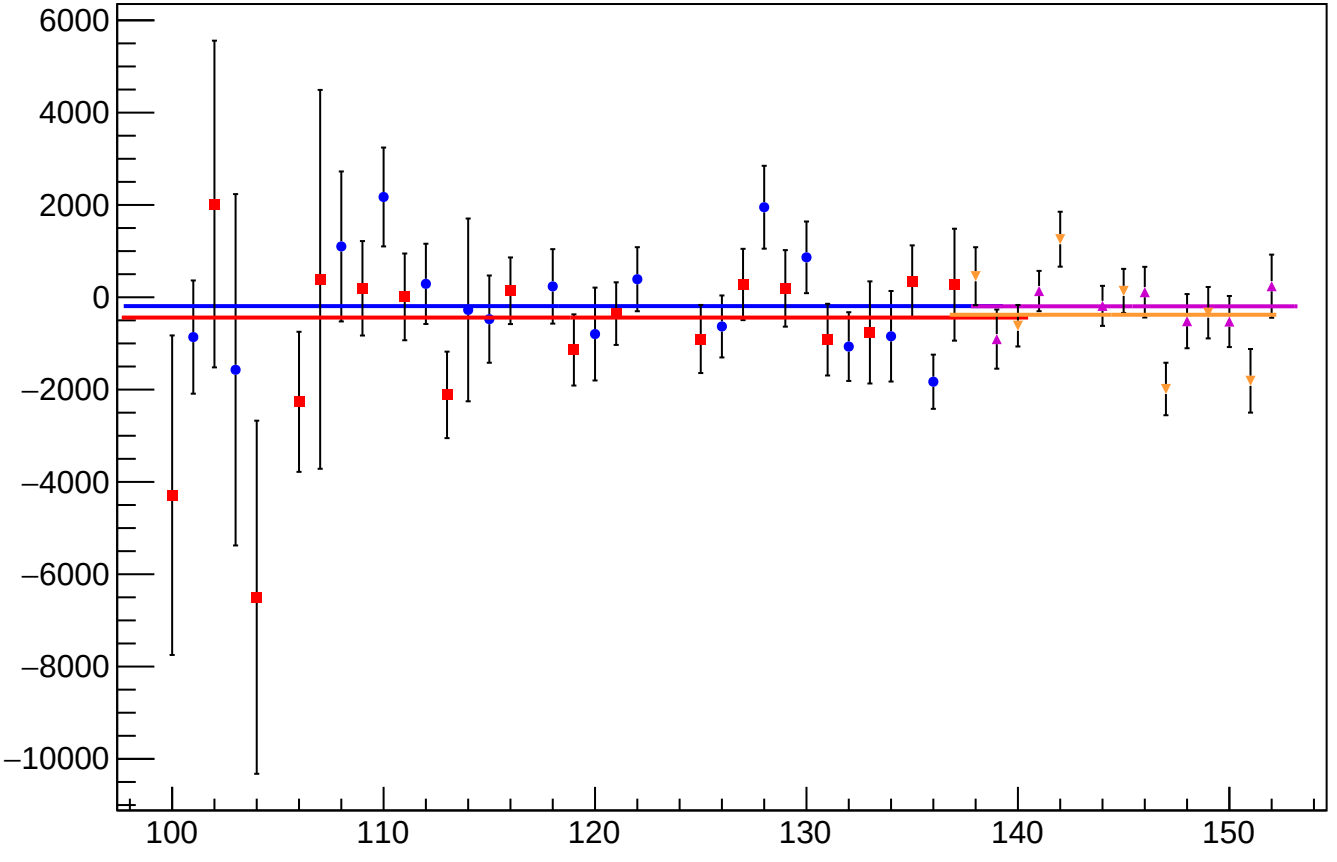
Left In: 1132.194+/-0.323 χ^2/NDF:1124.3/6

+ sign 1186.905+/-0.238 χ^2/NDF: 358176.8/22

All: 1195.061+/-0.167 χ^2/NDF: 1006915.5/47

- sign 1203.012+/-0.235 χ^2/NDF: 646418.0/24

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -379.042+/-207.998 χ^2/NDF:23.1/6

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

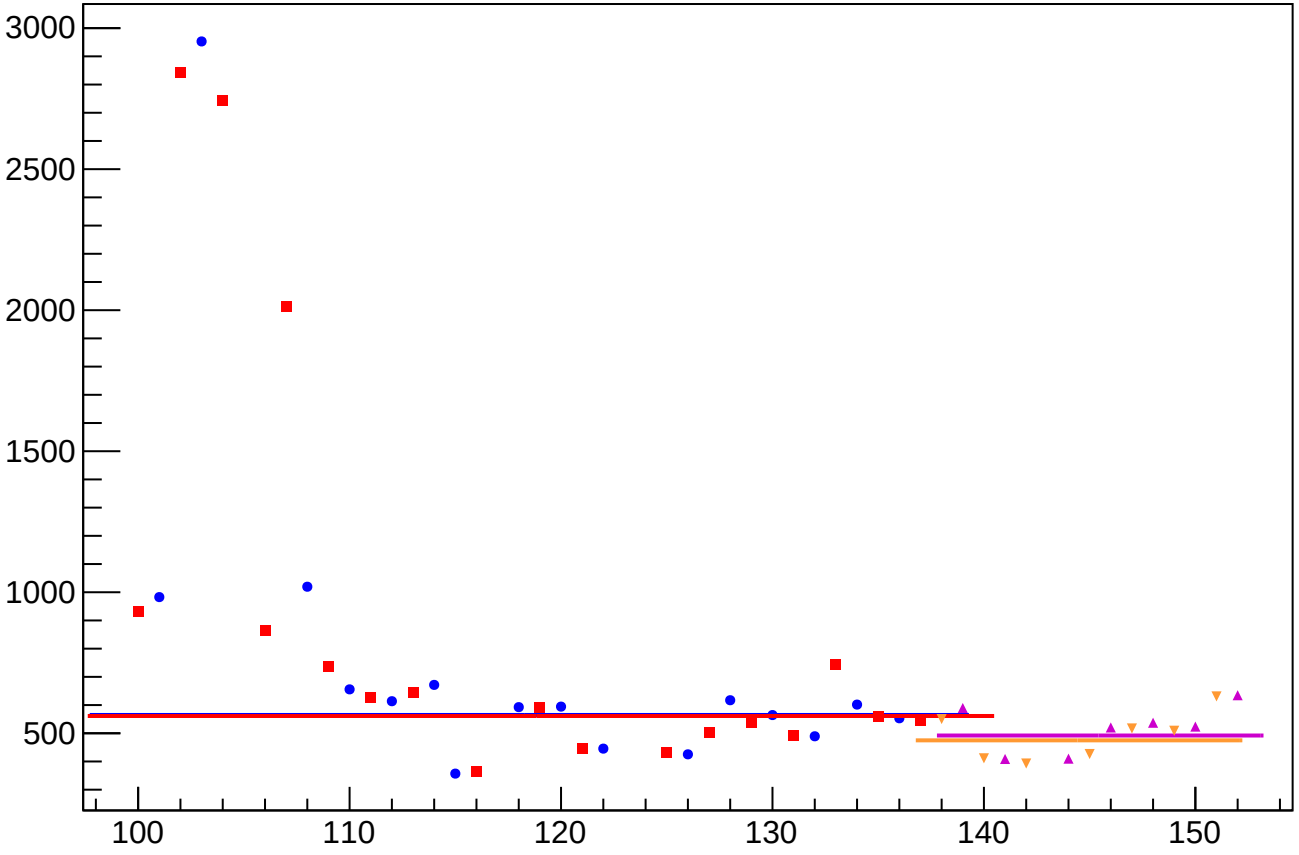
Left In: -195.693+/-201.500 χ^2/NDF:3.2/6

+ sign -291.705+/-152.029 χ^2/NDF: 48.8/22

All: -297.608+/-106.984 χ^2/NDF: 67.2/47

- sign -303.399+/-150.578 χ^2/NDF: 18.5/24

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 474.917+/-0.147 χ^2/NDF:248396.3/6

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

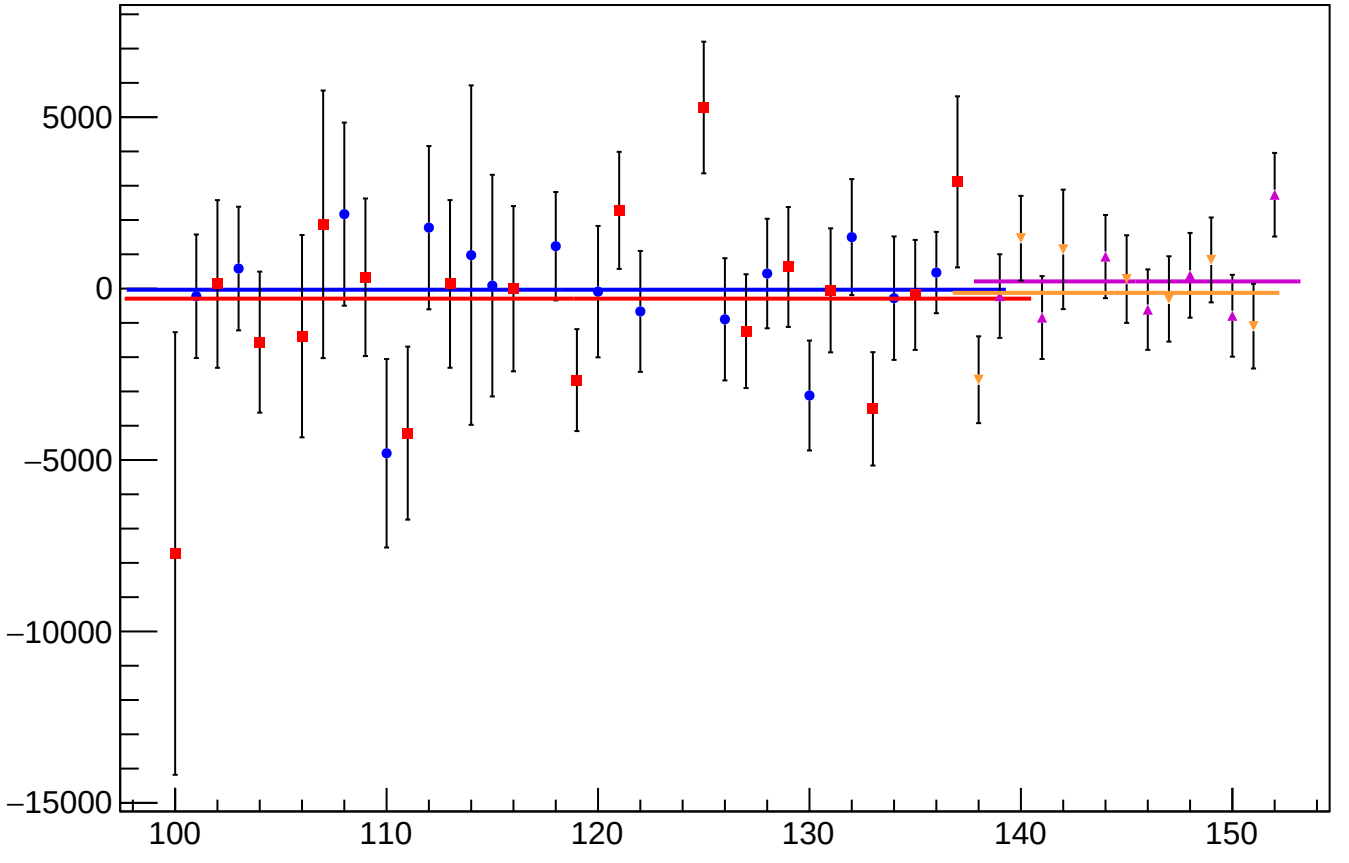
Left In: 492.046+/-0.142 χ^2/NDF:301591.3/6

+ sign 516.814+/-0.108 χ^2/NDF: 1902996.6/22

All: 519.742+/-0.076 χ^2/NDF: 4583668.0/47

- sign 522.615+/-0.106 χ^2/NDF: 2679201.9/24

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -124.335+/-489.532 χ^2/NDF:7.5/6

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

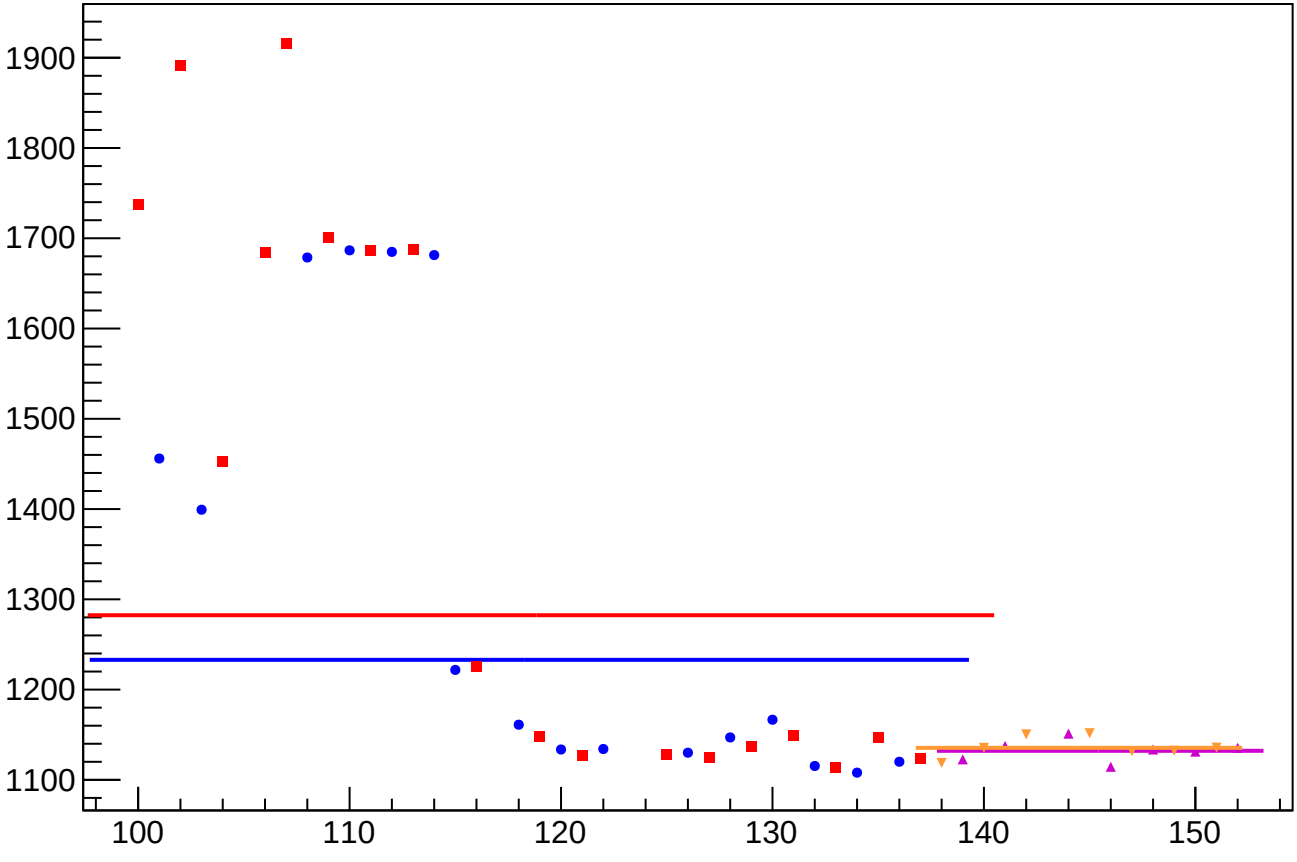
Left In: 209.298+/-456.956 χ^2/NDF:6.8/6

+ sign -76.179+/-336.462 χ^2/NDF: 17.8/22

All: -51.627+/-236.398 χ^2/NDF: 49.4/47

- sign -27.692+/-332.214 χ^2/NDF: 31.6/24

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1135.463+/-0.346 χ^2/NDF:846.4/6

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

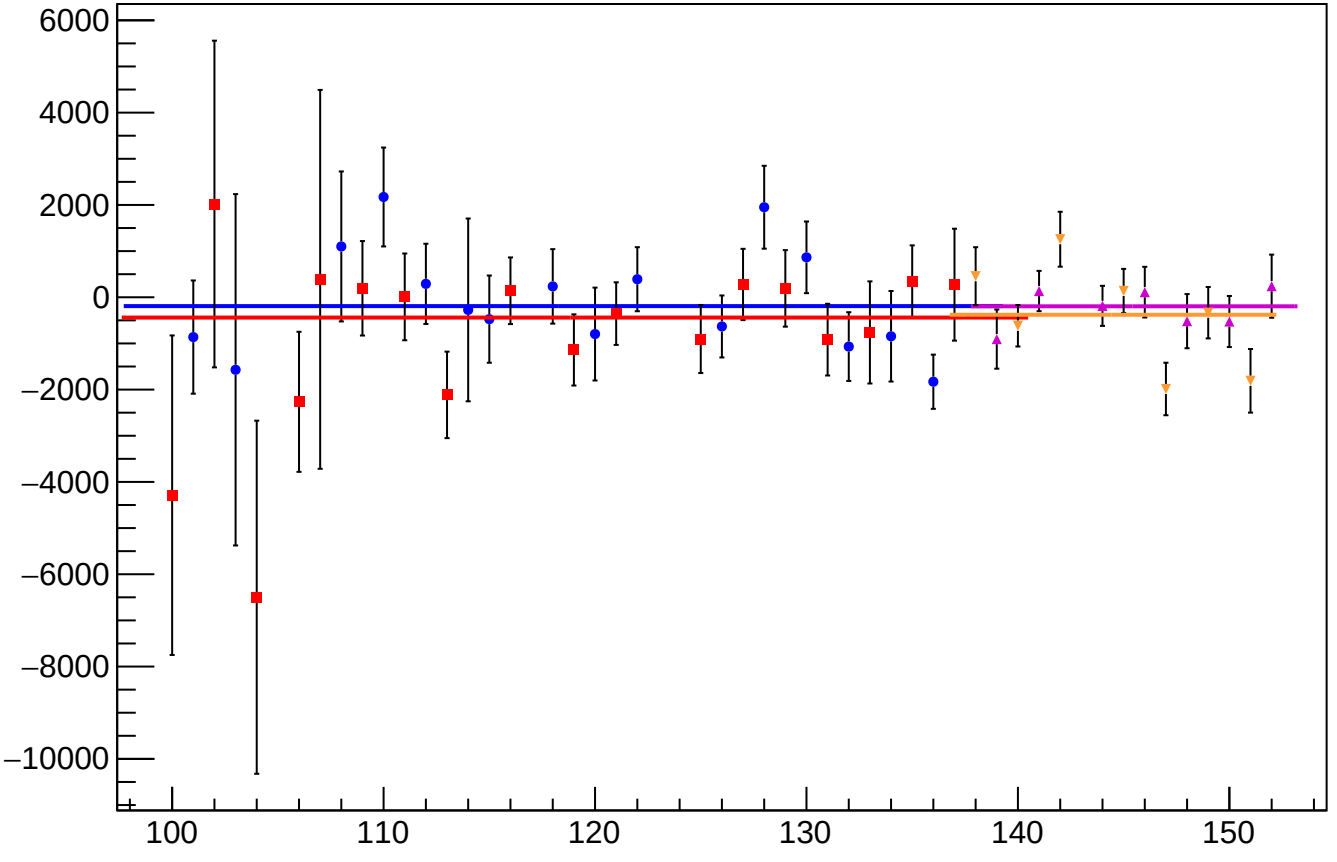
Left In: 1132.194+/-0.323 χ^2/NDF:1124.3/6

+ sign 1186.905+/-0.238 χ^2/NDF: 358176.3/22

All: 1195.061+/-0.167 χ^2/NDF: 1006914.4/47

- sign 1203.012+/-0.235 χ^2/NDF: 646417.3/24

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -379.040+/-207.998 χ^2/NDF:23.1/6

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

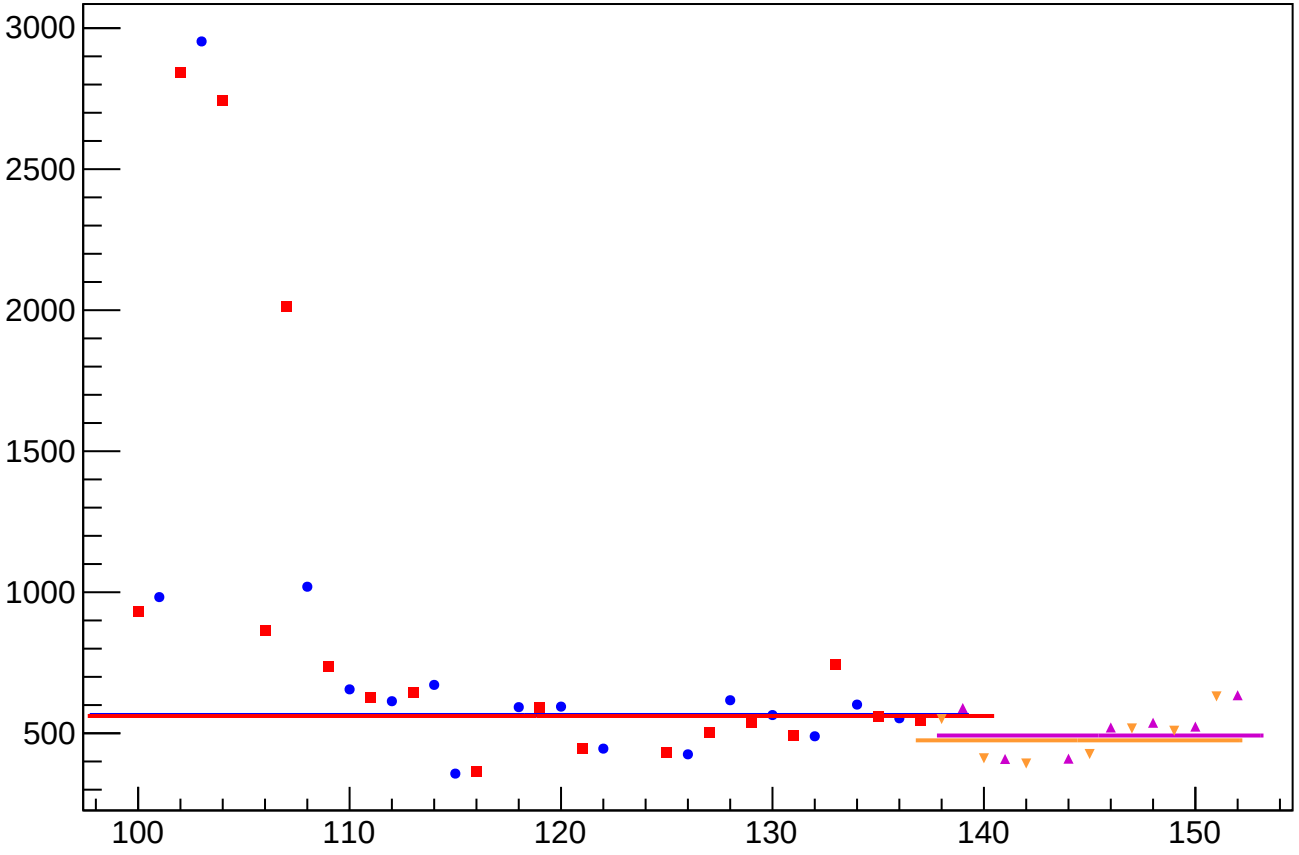
Left In: -195.692+/-201.500 χ^2/NDF:3.2/6

+ sign -291.704+/-152.029 χ^2/NDF: 48.8/22

All: -297.607+/-106.984 χ^2/NDF: 67.2/47

- sign -303.399+/-150.578 χ^2/NDF: 18.5/24

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 474.916+/-0.147 χ^2/NDF:248406.5/6

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

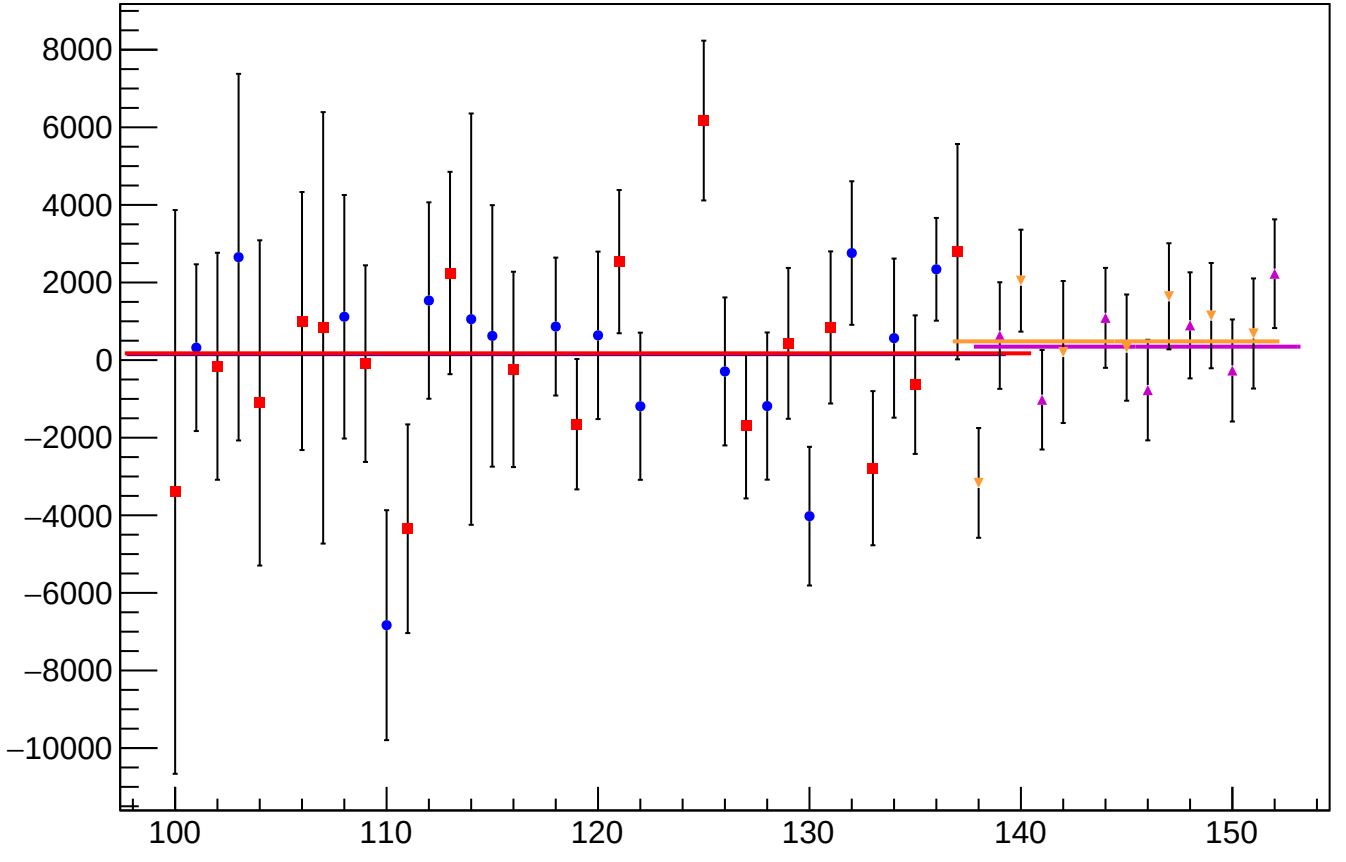
Left In: 492.045+/-0.142 χ^2/NDF:301600.2/6

+ sign 516.814+/-0.108 χ^2/NDF: 1903008.1/22

All: 519.742+/-0.076 χ^2/NDF: 4583690.9/47

- sign 522.614+/-0.106 χ^2/NDF: 2679213.1/24

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 482.744+/-535.596 χ^2/NDF:9.1/6

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

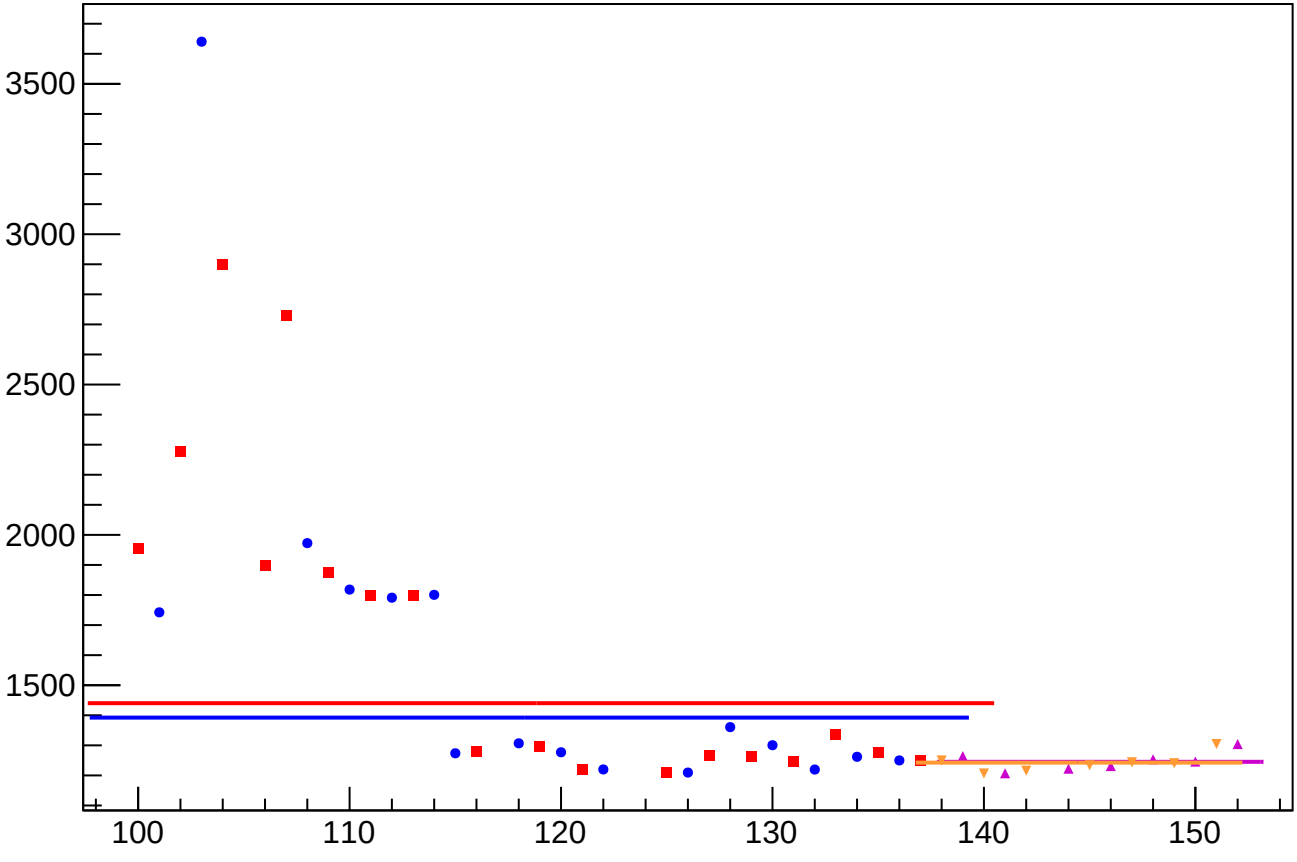
Left In: 346.052+/-502.711 χ^2/NDF:4.4/6

+ sign 316.980+/-377.480 χ^2/NDF: 27.0/22

All: 292.026+/-264.638 χ^2/NDF: 51.2/47

- sign 267.908+/-371.111 χ^2/NDF: 24.2/24

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1242.560+/-0.379 χ^2/NDF:5885.4/6

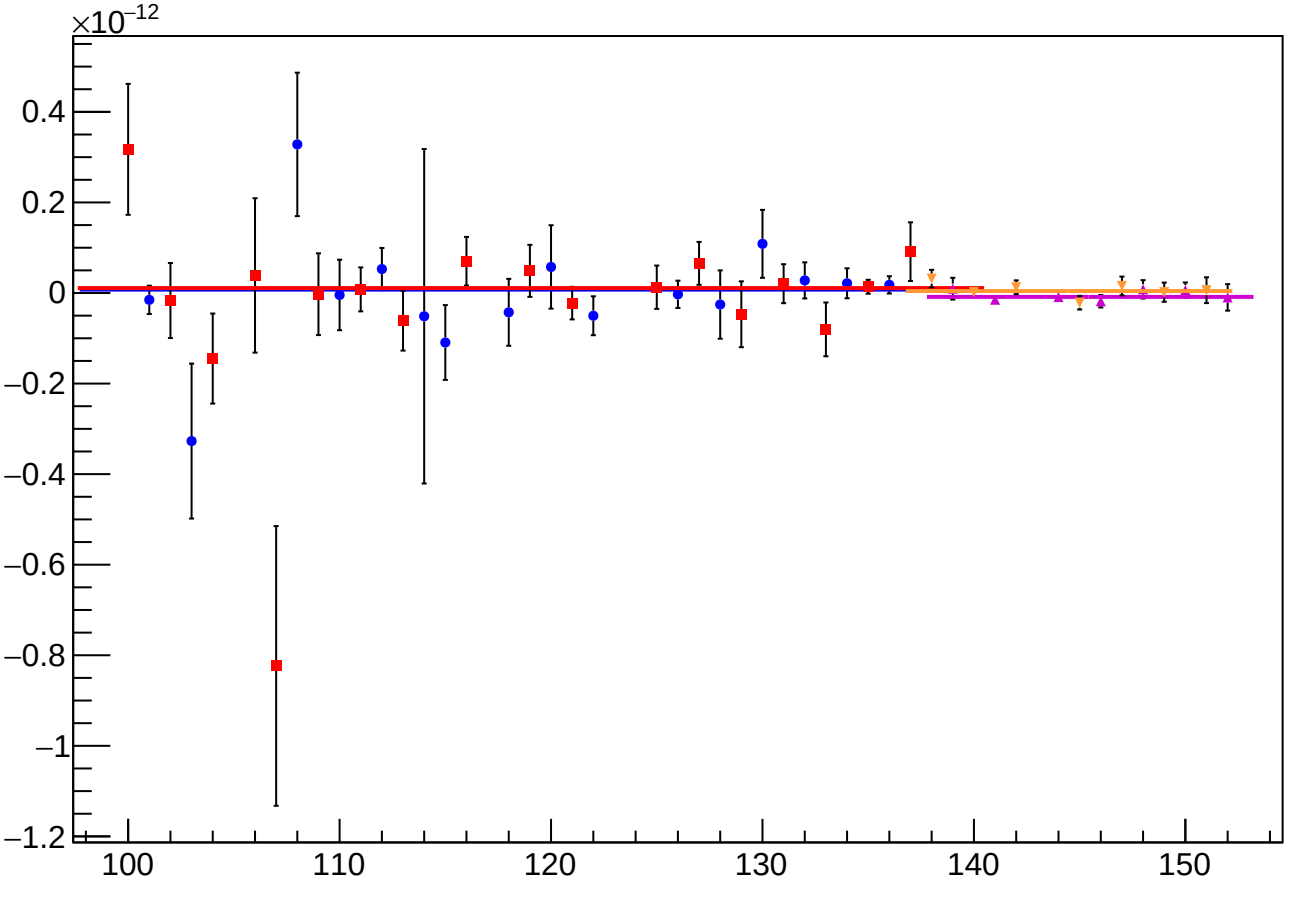
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1245.214+/-0.355 χ^2/NDF:6628.1/6

+ sign 1317.920+/-0.267 χ^2/NDF: 863800.4/22

All: 1326.071+/-0.187 χ^2/NDF: 1864091.8/47

- sign 1333.949+/-0.262 χ^2/NDF: 998457.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/6

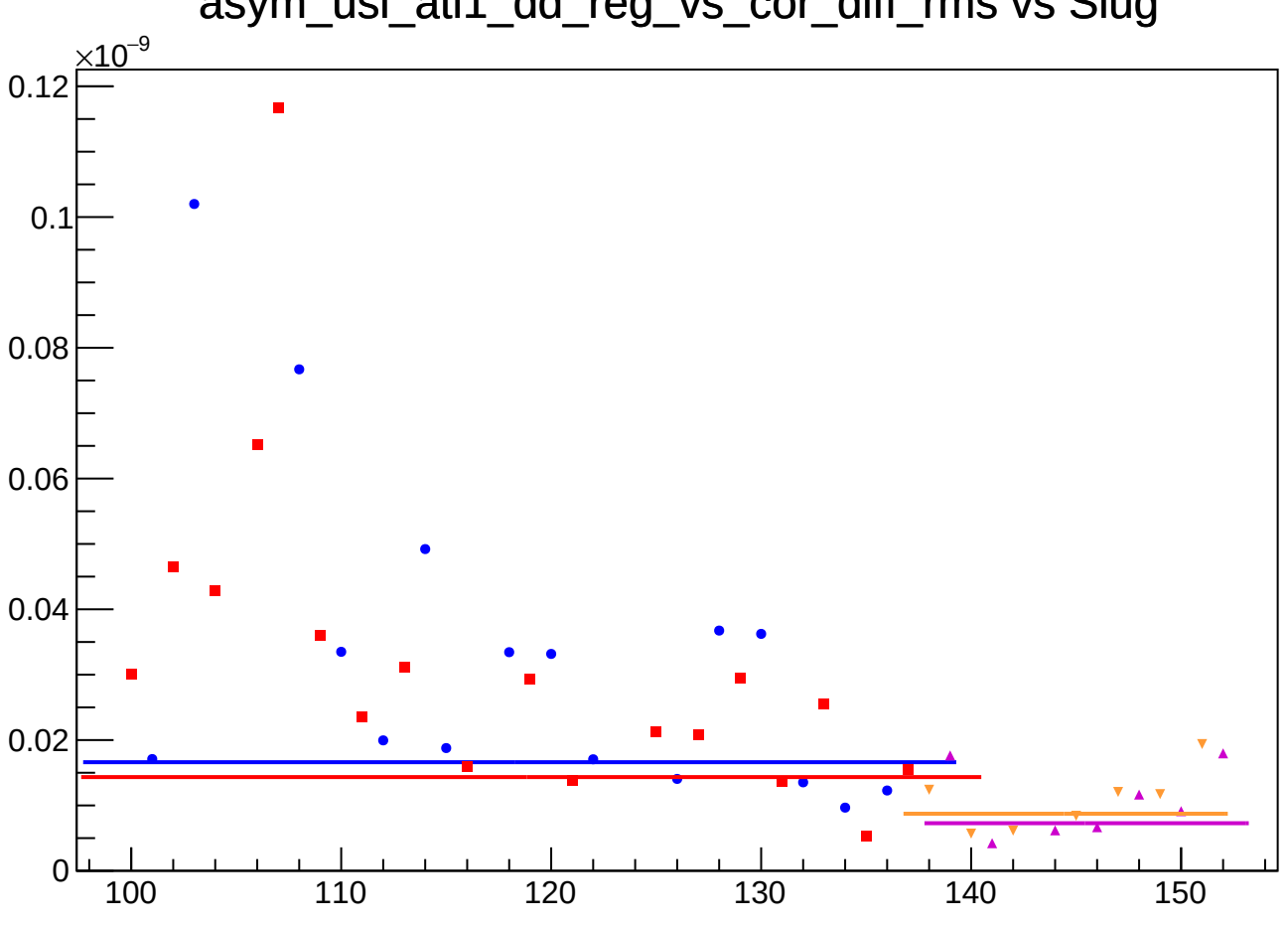
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:3.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 22.5/22

All: -0.000+/-0.000 χ^2/NDF: 54.0/47

- sign -0.000+/-0.000 χ^2/NDF: 29.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:651343.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

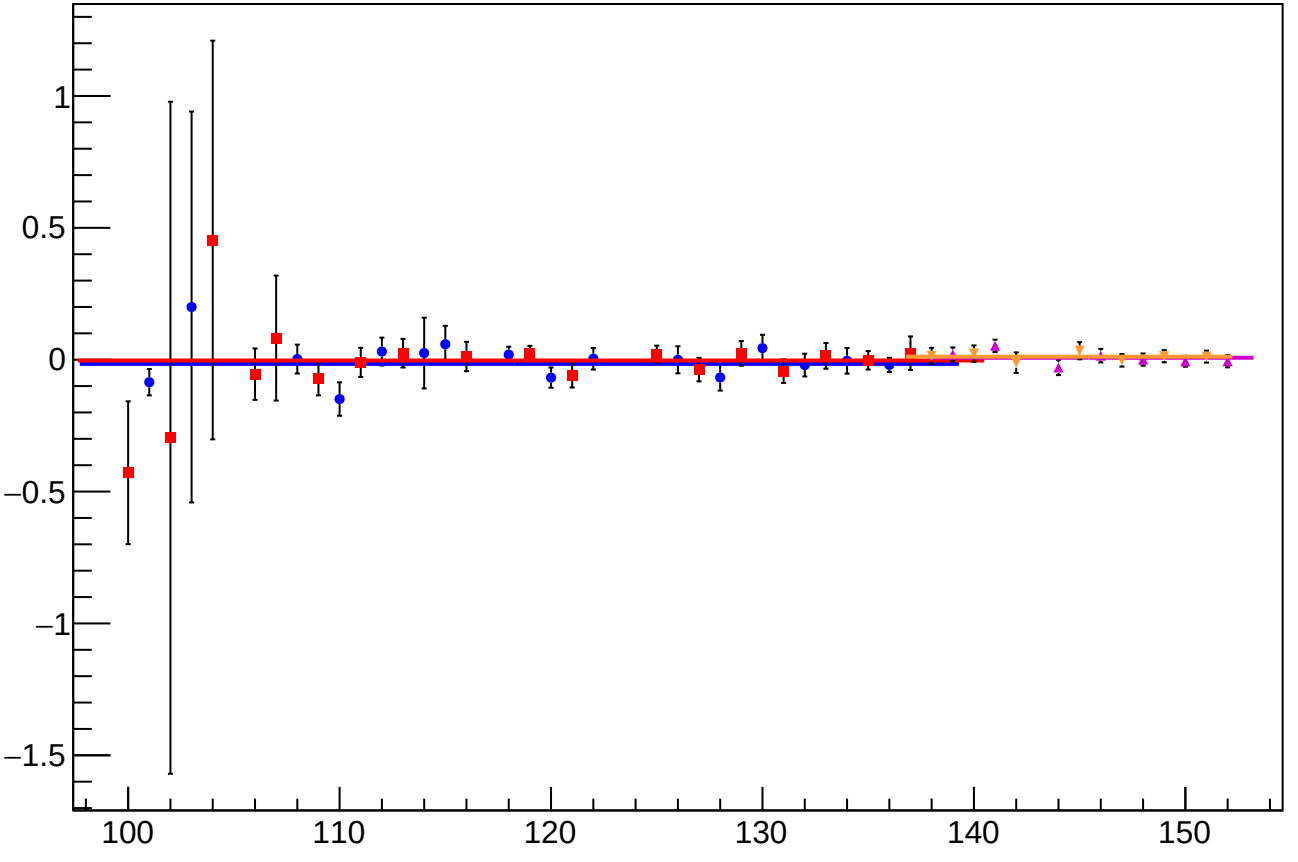
Left In: 0.000+/-0.000 χ^2/NDF:996305.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 3013016.6/22

All: 0.000+/-0.000 χ^2/NDF: 7117753.0/47

- sign 0.000+/-0.000 χ^2/NDF: 3957819.3/24

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+/-0.010 χ^2/NDF:1.3/6

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

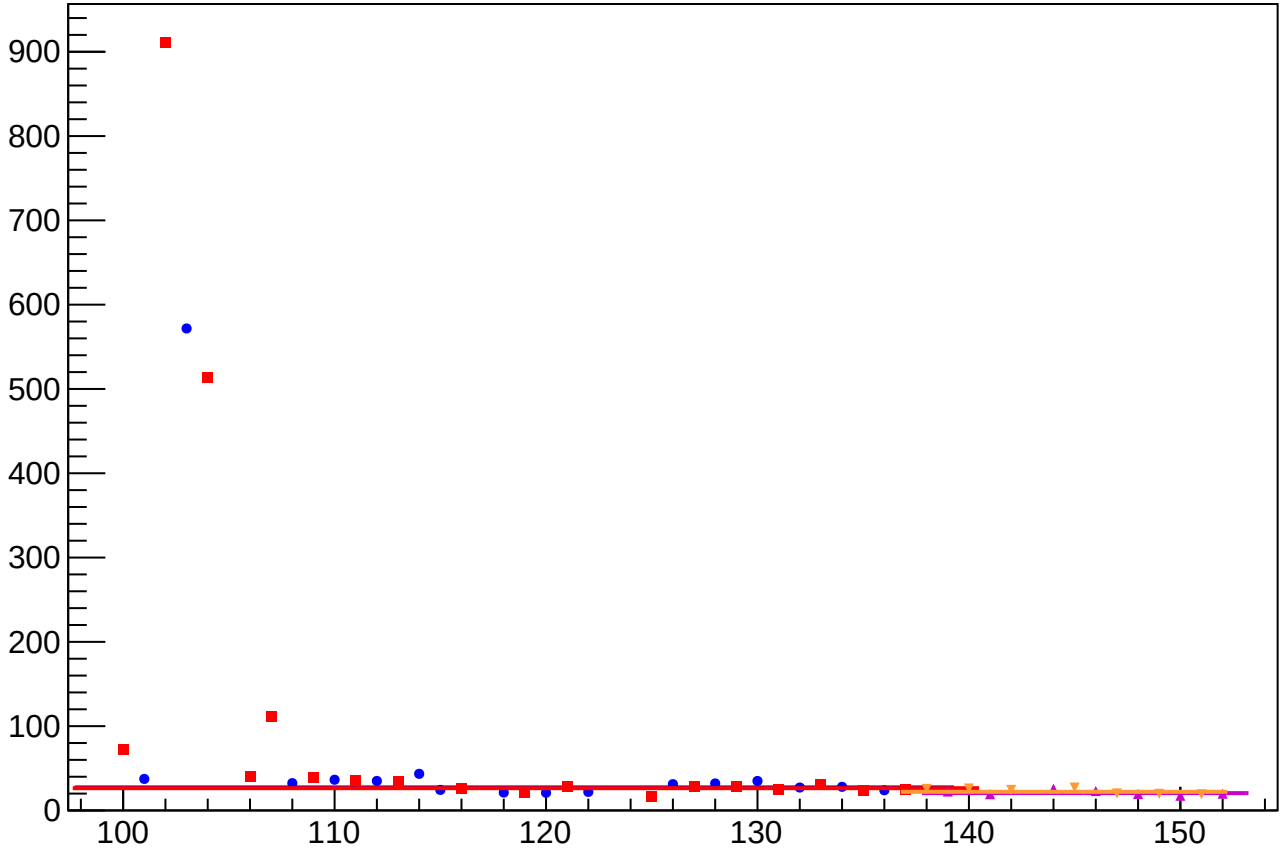
Left In: 0.007+/-0.009 χ^2/NDF:6.5/6

+ sign -0.001+/-0.008 χ^2/NDF: 19.1/22

All: 0.002+/-0.005 χ^2/NDF: 36.0/47

- sign 0.004+/-0.007 χ^2/NDF: 16.8/24

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: 22.141+/-0.007 χ^2/NDF:182154.6/6

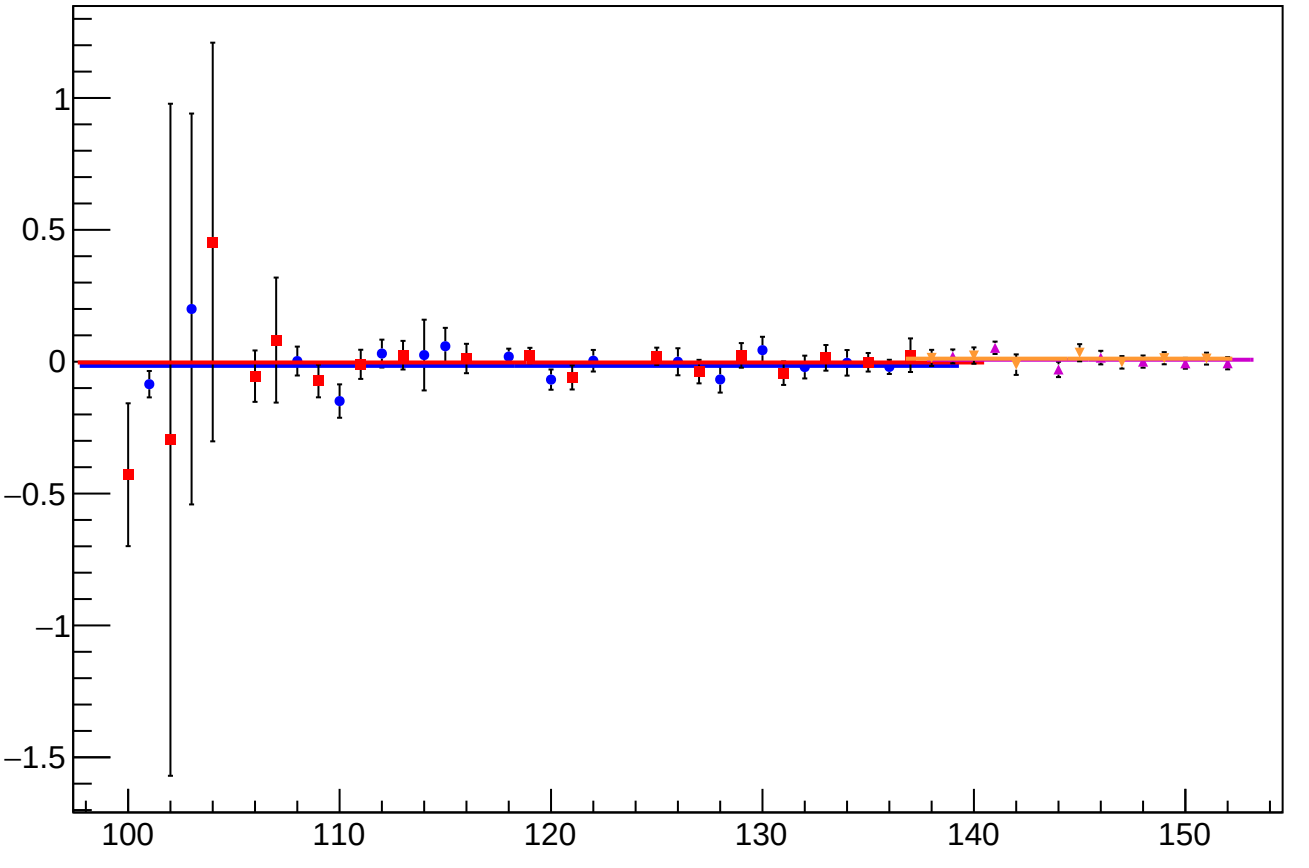
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.579+/-0.006 χ^2/NDF:151452.8/6

+ sign 24.440+/-0.005 χ^2/NDF: 1971916.4/22

All: 23.521+/-0.004 χ^2/NDF: 5089209.6/47

- sign 22.706+/-0.005 χ^2/NDF: 3063701.3/24



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.010 χ^2/NDF:1.3/6

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

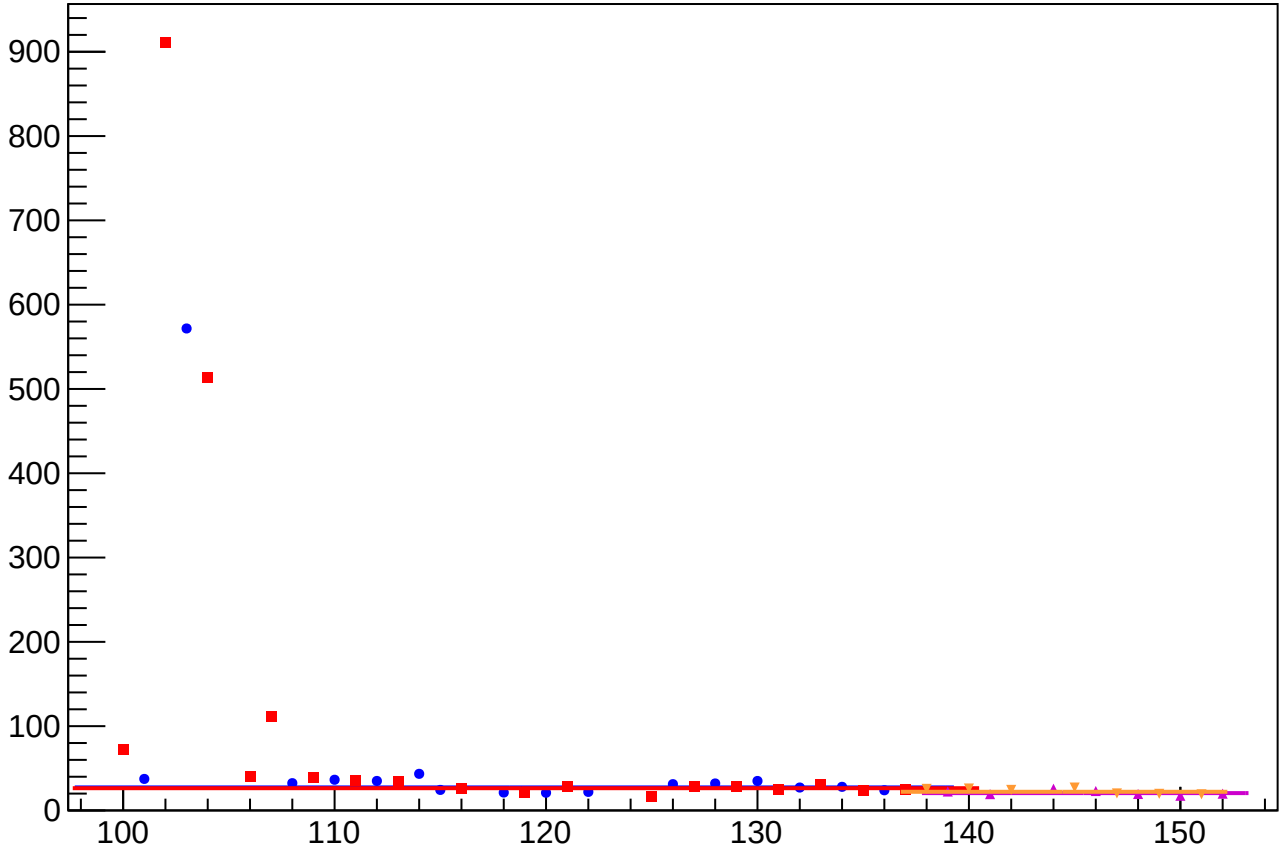
Left In: 0.007+/-0.009 χ^2/NDF:6.5/6

+ sign -0.001+/-0.008 χ^2/NDF: 19.1/22

All: 0.002+/-0.005 χ^2/NDF: 36.0/47

- sign 0.004+/-0.007 χ^2/NDF: 16.8/24

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.141+/-0.007 χ^2/NDF:182154.6/6

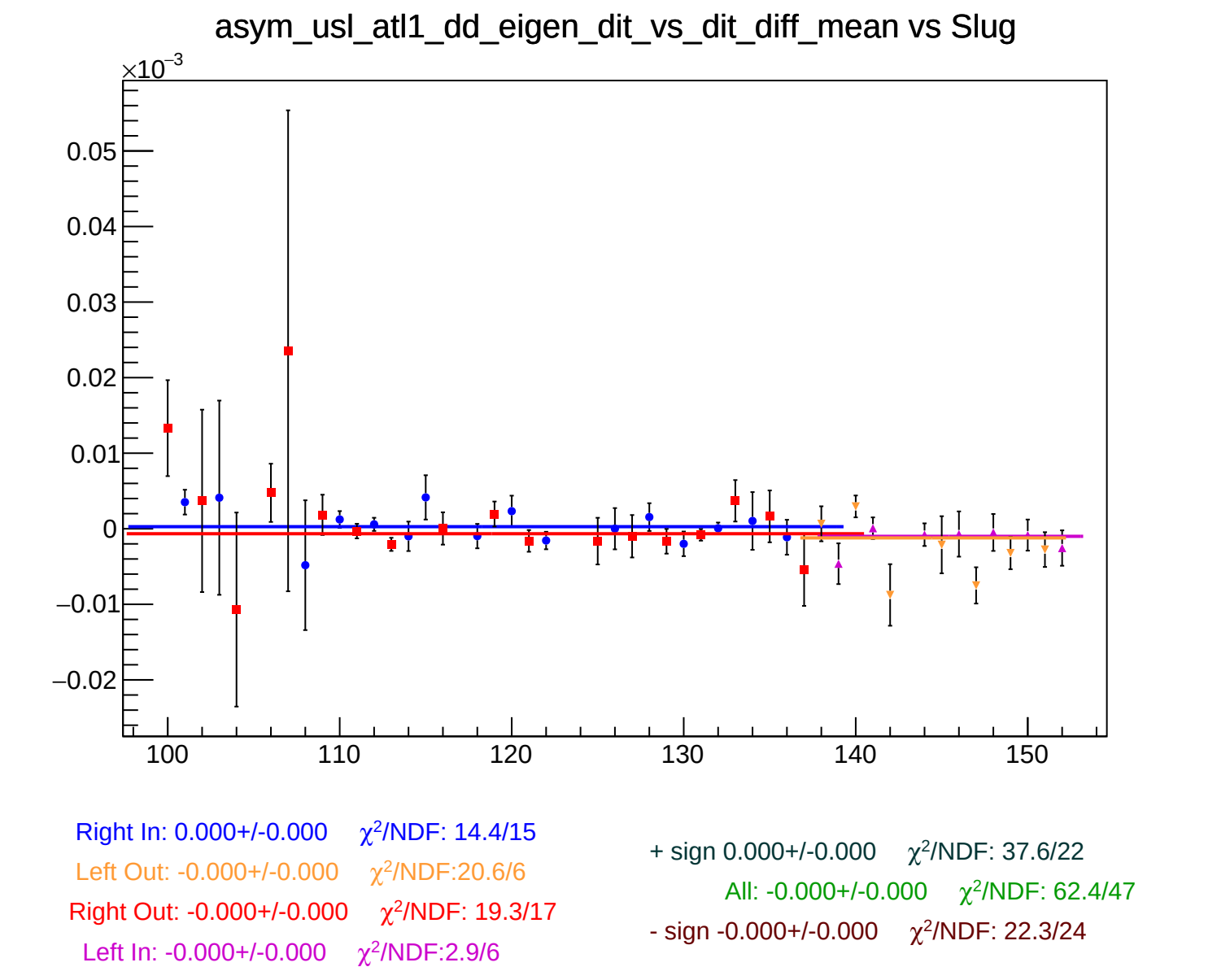
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.579+/-0.006 χ^2/NDF:151452.8/6

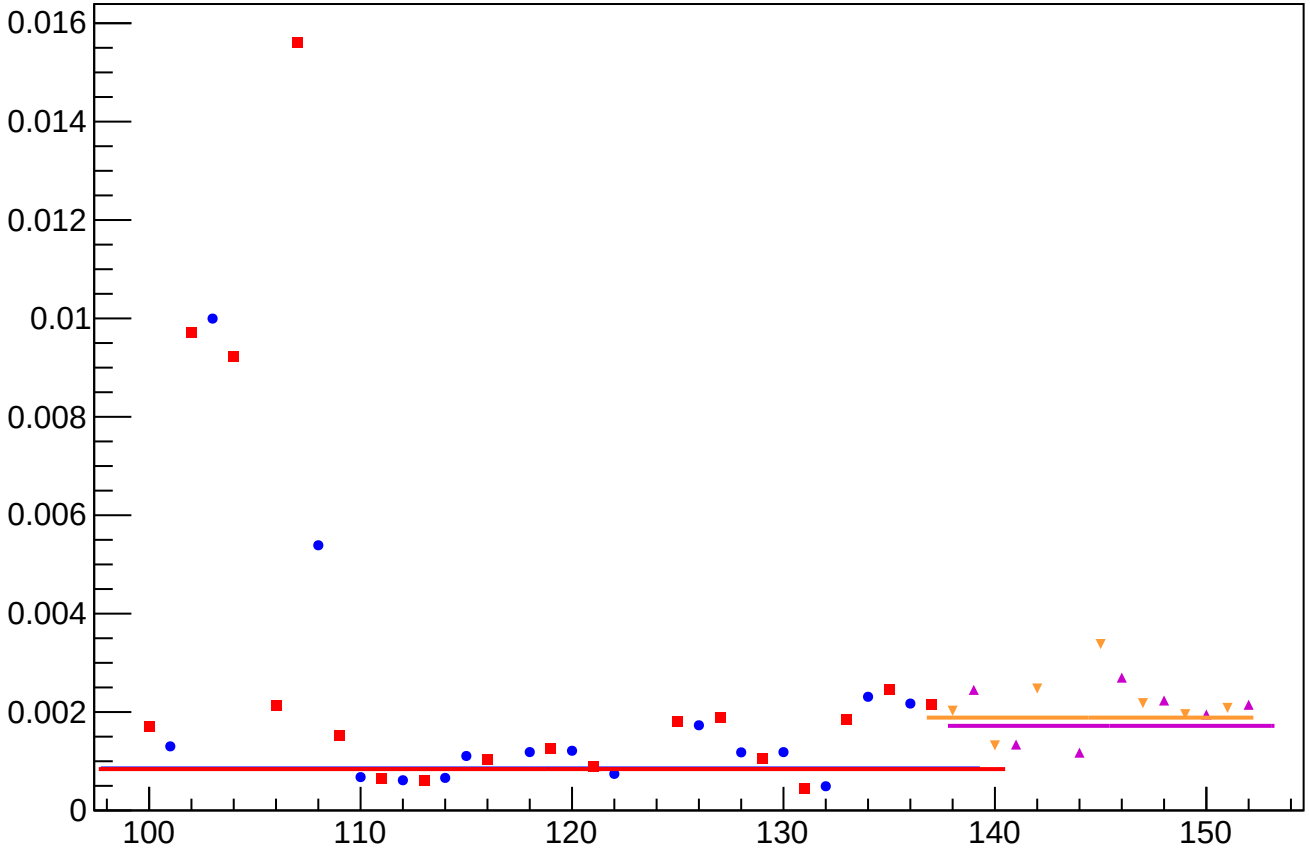
+ sign 24.440+/-0.005 χ^2/NDF: 1971916.4/22

All: 23.521+/-0.004 χ^2/NDF: 5089209.6/47

- sign 22.706+/-0.005 χ^2/NDF: 3063701.3/24


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:20.6/6
Right Out: -0.000+/-0.000 χ²/NDF: 19.3/17
Left In: -0.000+/-0.000 χ²/NDF:2.9/6
+ sign 0.000+/-0.000 χ²/NDF: 37.6/22
All: -0.000+/-0.000 χ²/NDF: 62.4/47
- sign -0.000+/-0.000 χ²/NDF: 22.3/24

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:714340.6/6

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

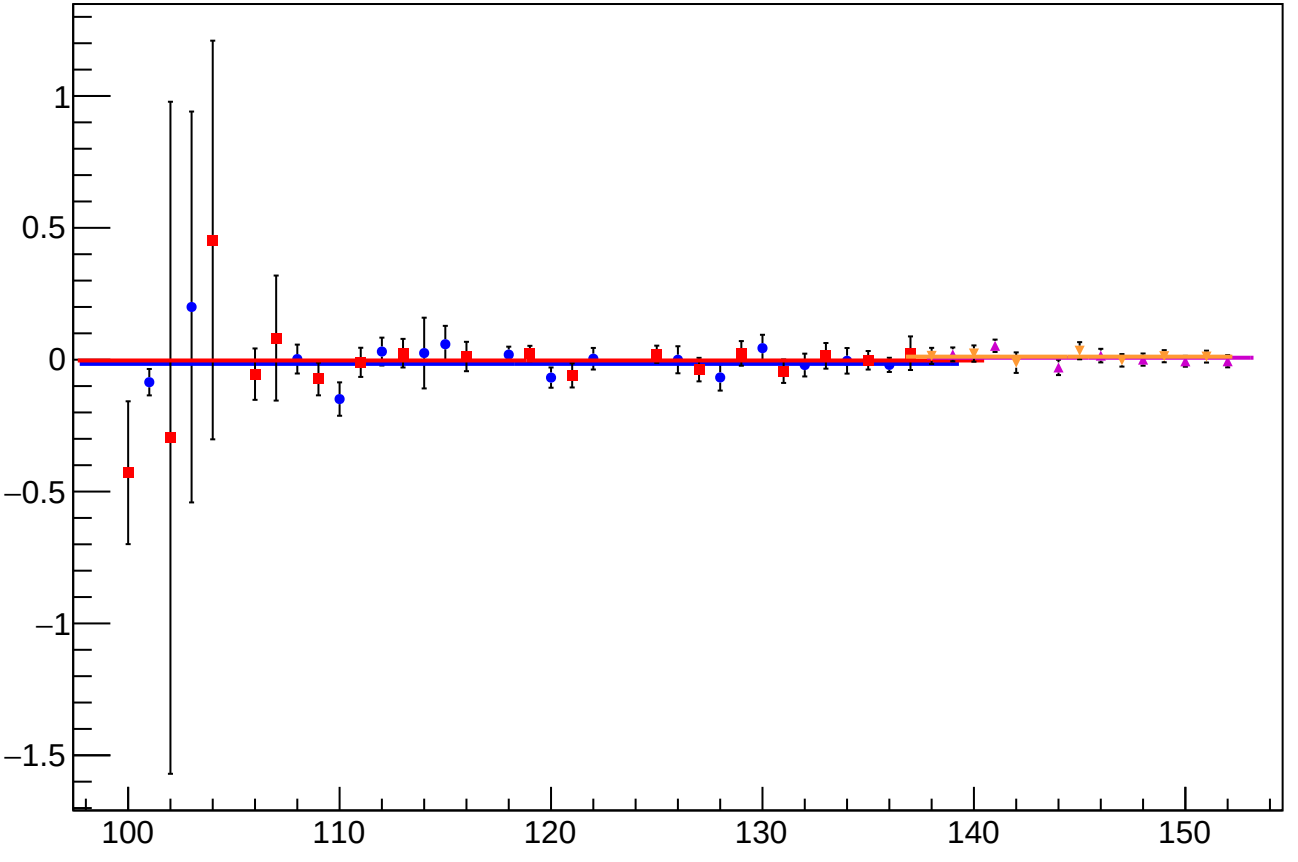
Left In: 0.002+/-0.000 χ^2/NDF:947953.6/6

\+ sign 0.001+/-0.000 χ^2/NDF: 7038173.8/22

All: 0.001+/-0.000 χ^2/NDF: 15159029.2/47

\- sign 0.001+/-0.000 χ^2/NDF: 8119676.1/24

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.010 χ^2/NDF:1.3/6

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

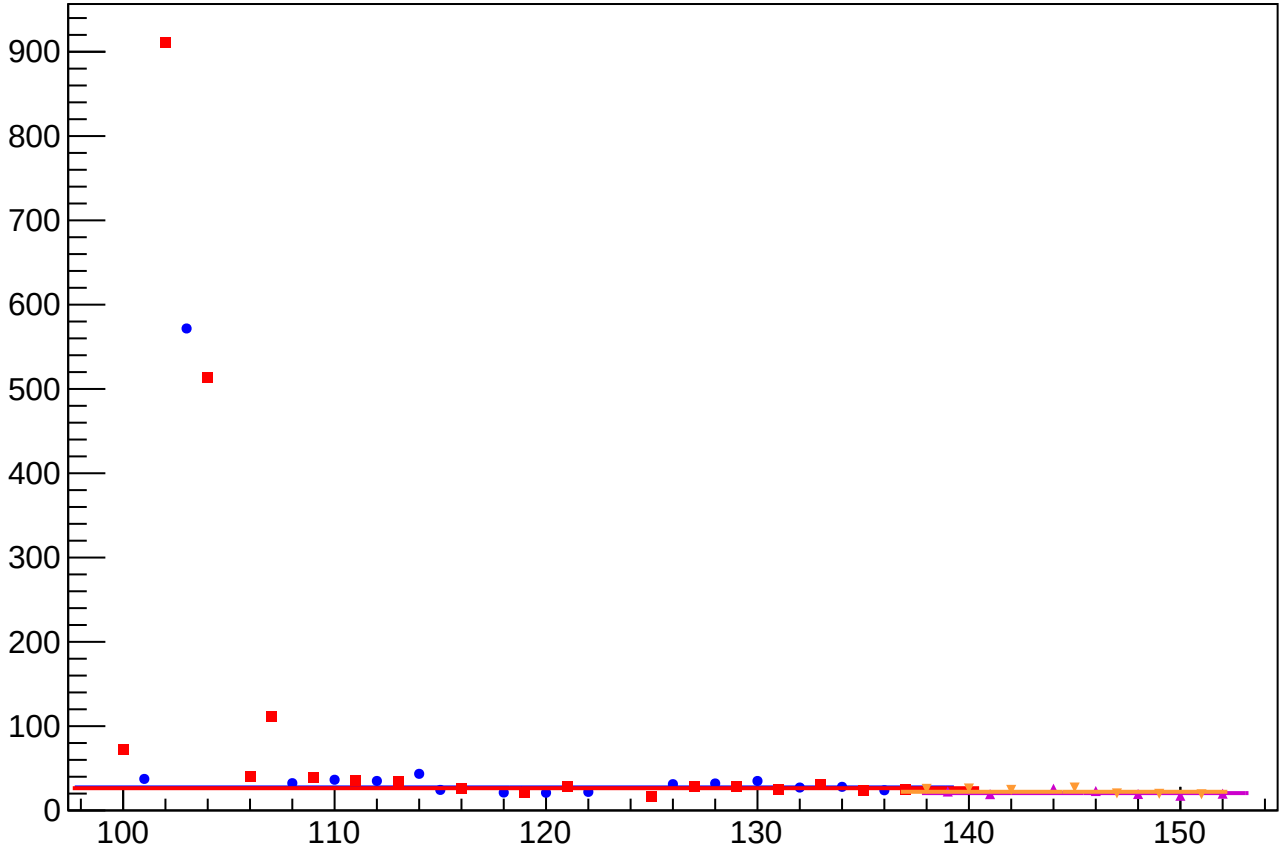
Left In: 0.007+/-0.009 χ^2/NDF:6.5/6

+ sign -0.001+/-0.008 χ^2/NDF: 19.1/22

All: 0.002+/-0.005 χ^2/NDF: 36.0/47

- sign 0.004+/-0.007 χ^2/NDF: 16.8/24

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: 22.141+/-0.007 χ^2/NDF:182138.8/6

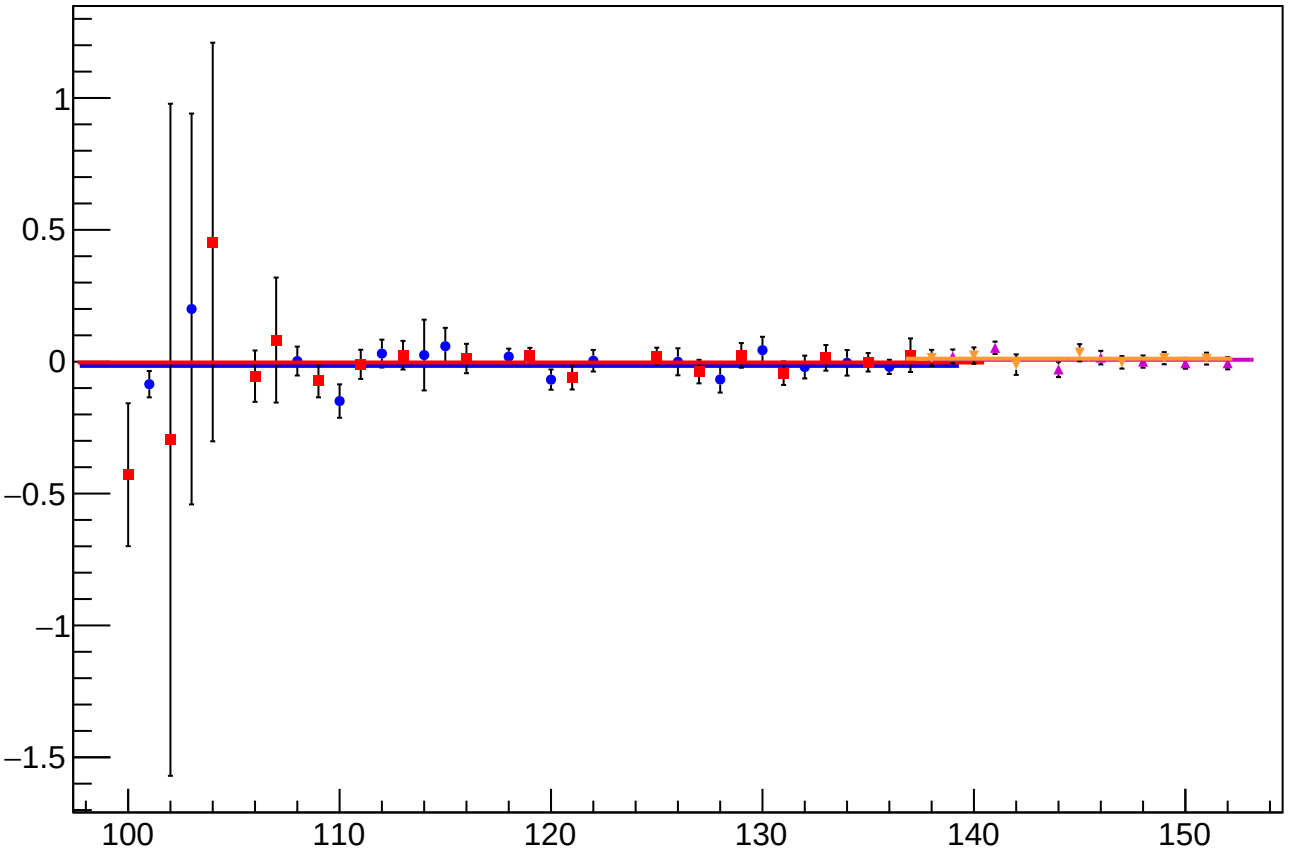
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.580+/-0.006 χ^2/NDF:151426.1/6

+ sign 24.440+/-0.005 χ^2/NDF: 1971902.8/22

All: 23.521+/-0.004 χ^2/NDF: 5089171.7/47

- sign 22.706+/-0.005 χ^2/NDF: 3063683.6/24



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.010 χ^2/NDF:1.3/6

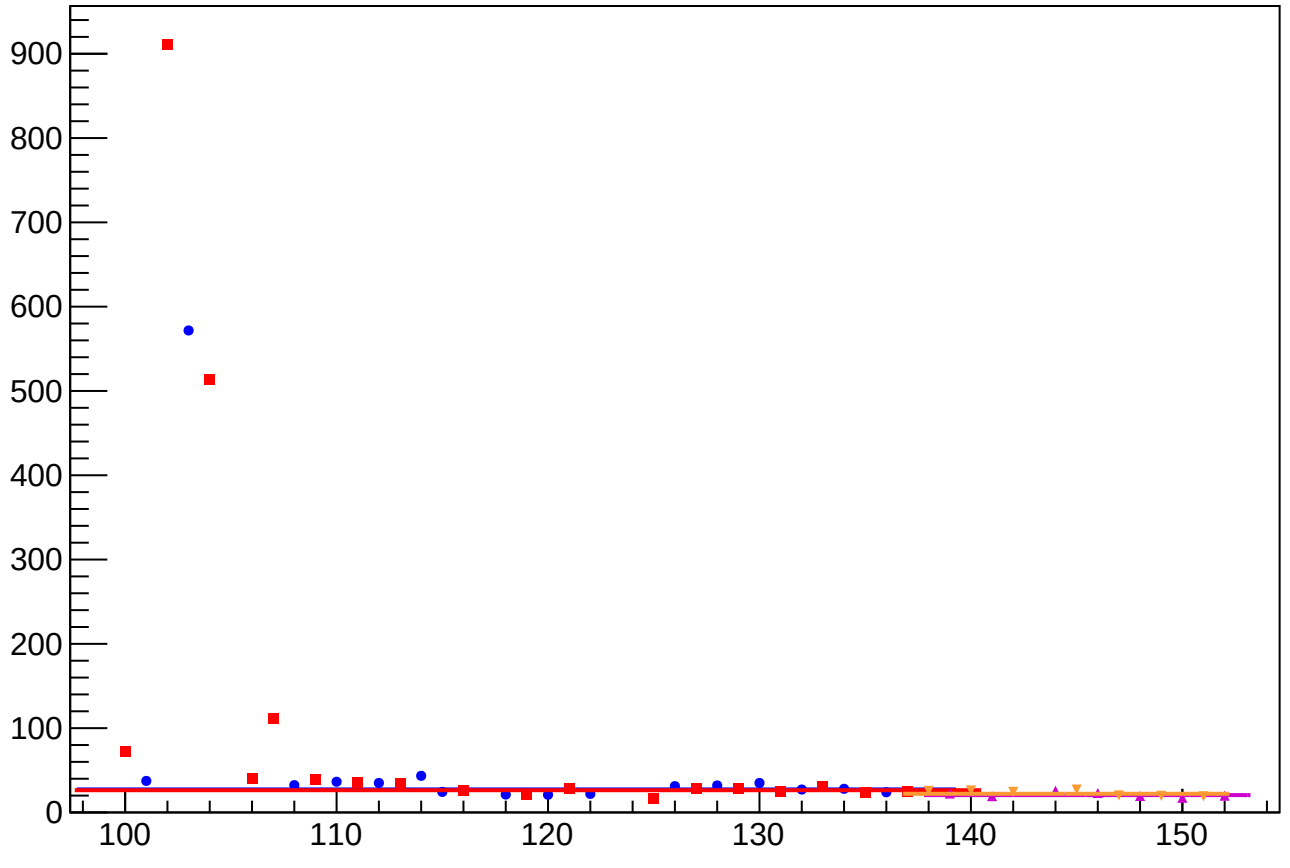
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.007+/-0.009 χ^2/NDF:6.5/6

+ sign -0.001+/-0.008 χ^2/NDF: 19.1/22

All: 0.002+/-0.005 χ^2/NDF: 36.0/47

- sign 0.004+/-0.007 χ^2/NDF: 16.8/24



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.141+/-0.007 χ^2/NDF:182138.8/6

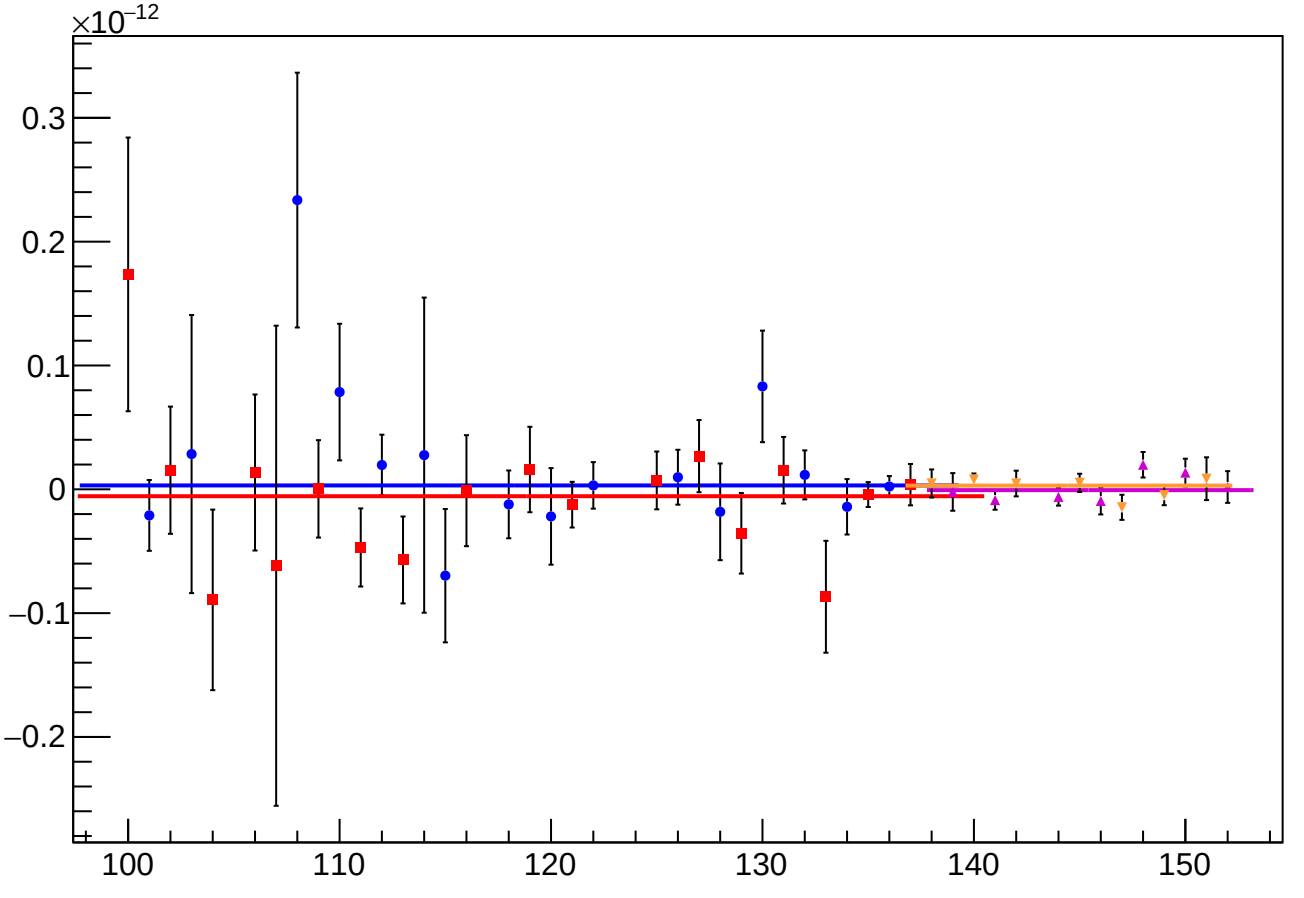
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.580+/-0.006 χ^2/NDF:151426.1/6

+ sign 24.440+/-0.005 χ^2/NDF: 1971902.8/22

All: 23.521+/-0.004 χ^2/NDF: 5089171.7/47

- sign 22.706+/-0.005 χ^2/NDF: 3063683.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/6

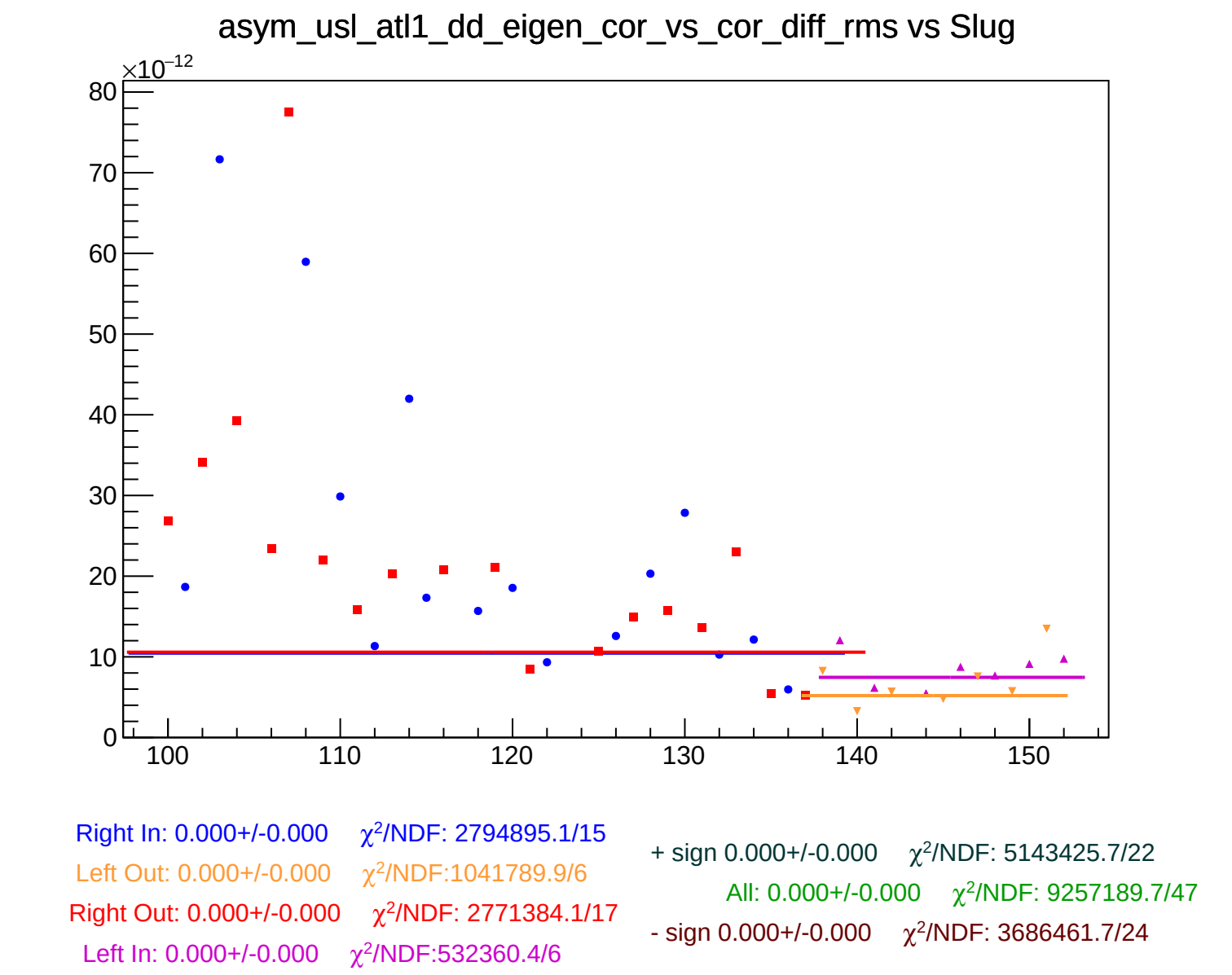
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:7.9/6

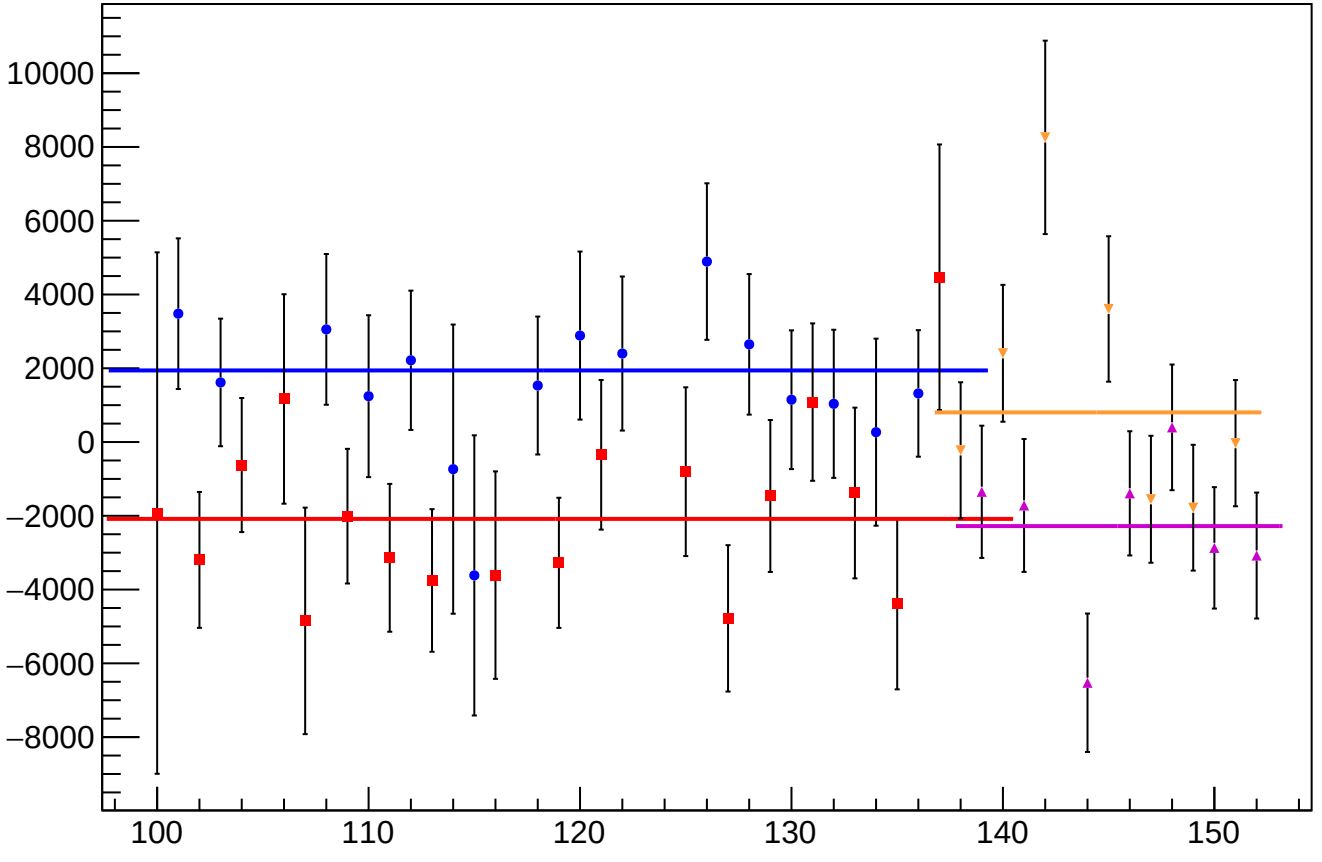
+ sign 0.000+/-0.000 χ^2/NDF: 20.2/22

All: 0.000+/-0.000 χ^2/NDF: 45.3/47

- sign -0.000+/-0.000 χ^2/NDF: 23.7/24


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:1041789.9/6
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:532360.4/6
+ sign 0.000+/-0.000 χ²/NDF: 5143425.7/22
All: 0.000+/-0.000 χ²/NDF: 9257189.7/47
- sign 0.000+/-0.000 χ²/NDF: 3686461.7/24

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 803.741+/-705.396 χ^2/NDF:15.6/6

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

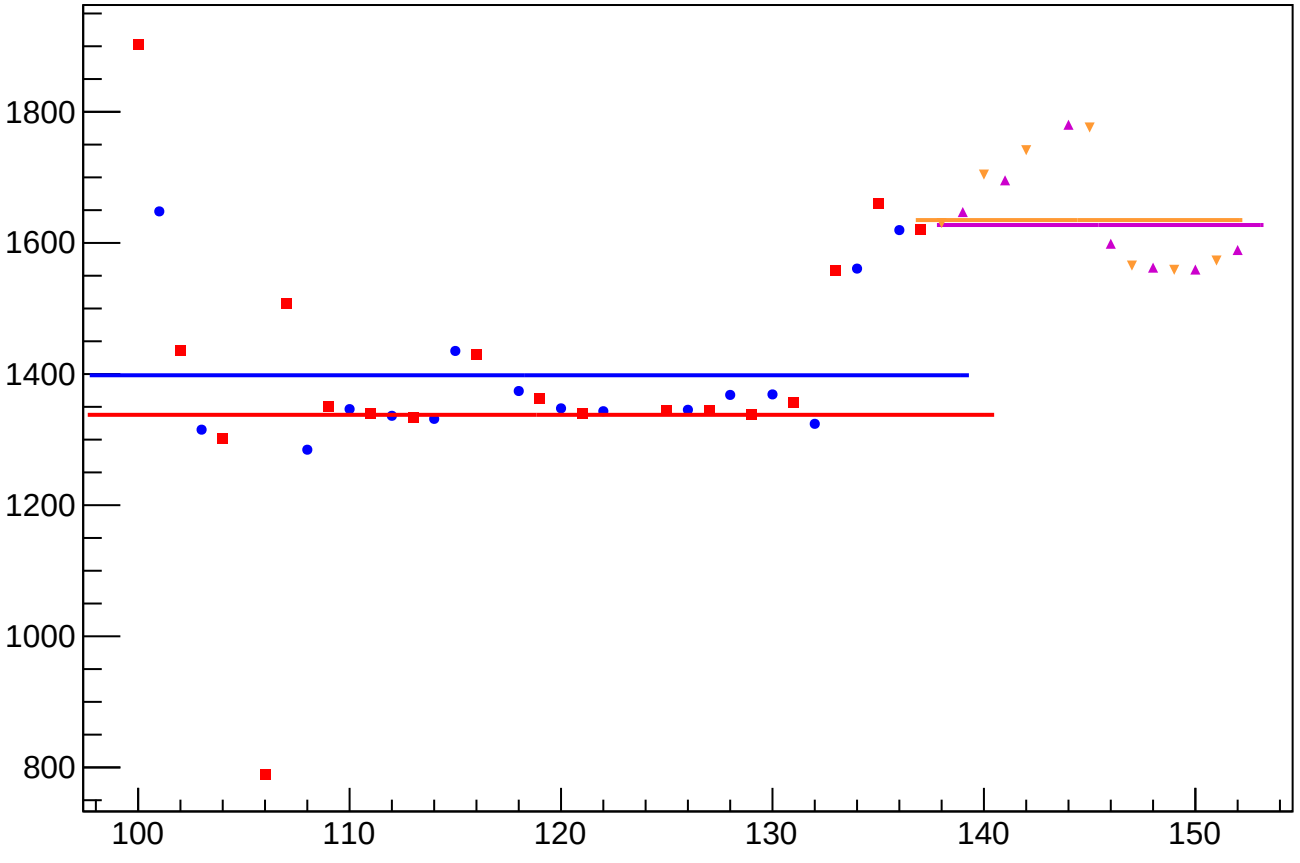
Left In: -2279.261+/-657.547 χ^2/NDF:8.6/6

+ sign 1538.398+/-419.694 χ^2/NDF: 24.2/22

All: -364.031+/-292.425 χ^2/NDF: 87.2/47

- sign -2159.026+/-407.671 χ^2/NDF: 23.1/24

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1634.881+/-0.499 χ^2/NDF:26183.8/6

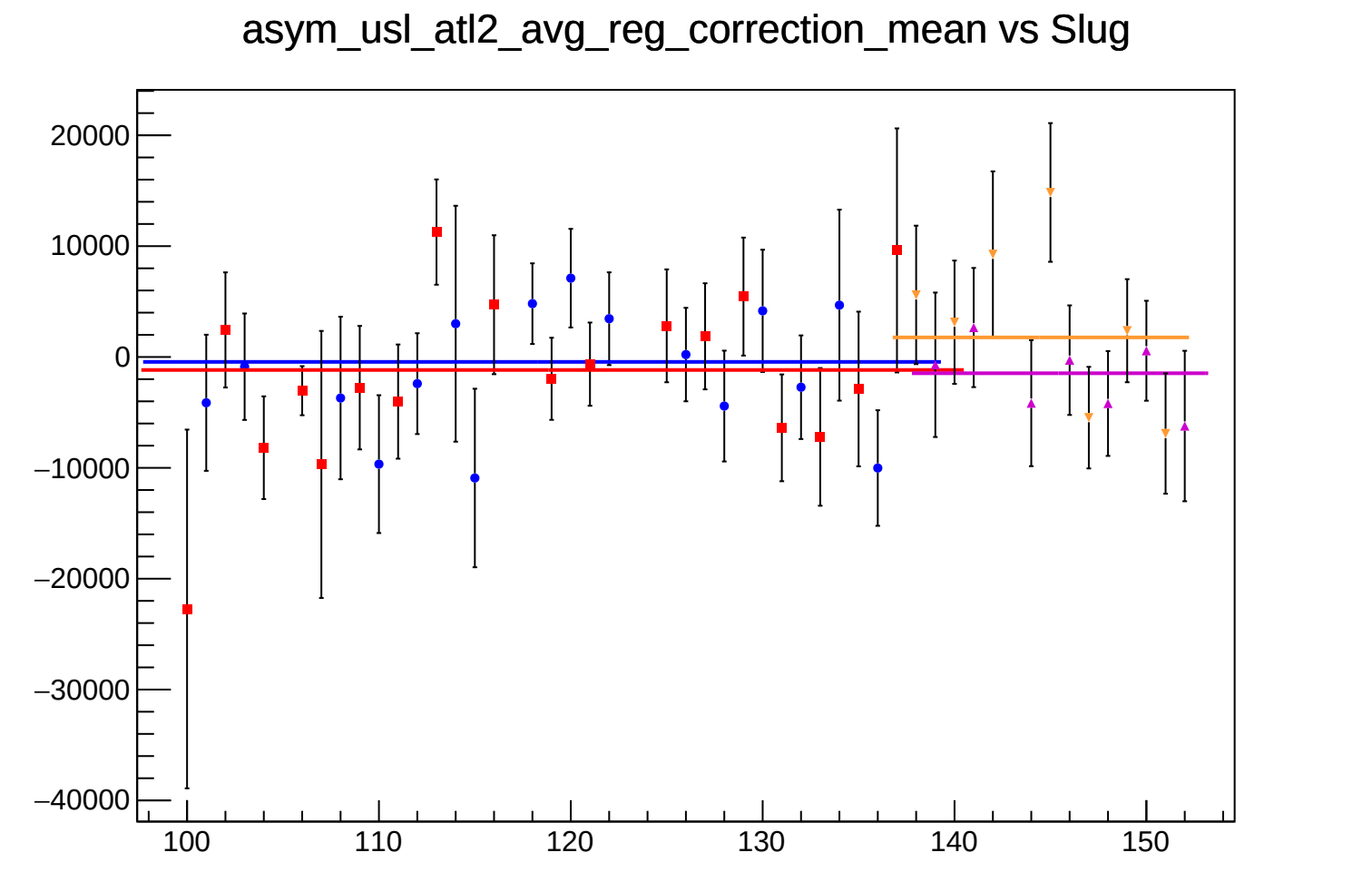
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1627.346+/-0.465 χ^2/NDF:24282.5/6

+ sign 1481.959+/-0.297 χ^2/NDF: 265609.1/22

All: 1462.465+/-0.205 χ^2/NDF: 860377.8/47

- sign 1444.787+/-0.283 χ^2/NDF: 586541.1/24



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 1765.932+/-2088.406 χ^2/NDF:10.9/6

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

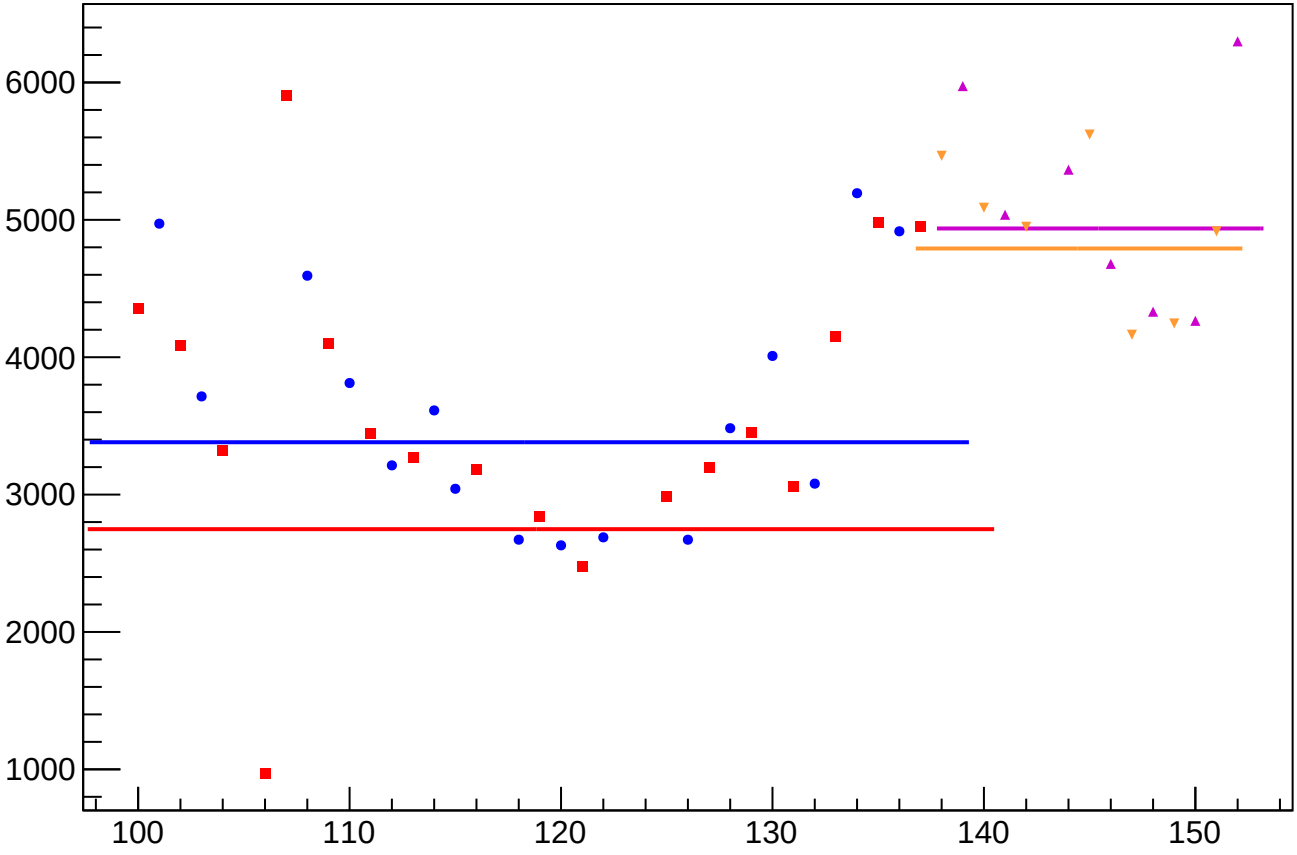
Left In: -1465.636+/-2017.515 χ^2/NDF:1.9/6

+ sign 172.445+/-1101.142 χ^2/NDF: 27.6/22

All: -616.775+/-731.710 χ^2/NDF: 50.1/47

- sign -1240.818+/-979.156 χ^2/NDF: 21.6/24

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 4791.402+/-1.477 χ^2/NDF:131278.5/6

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

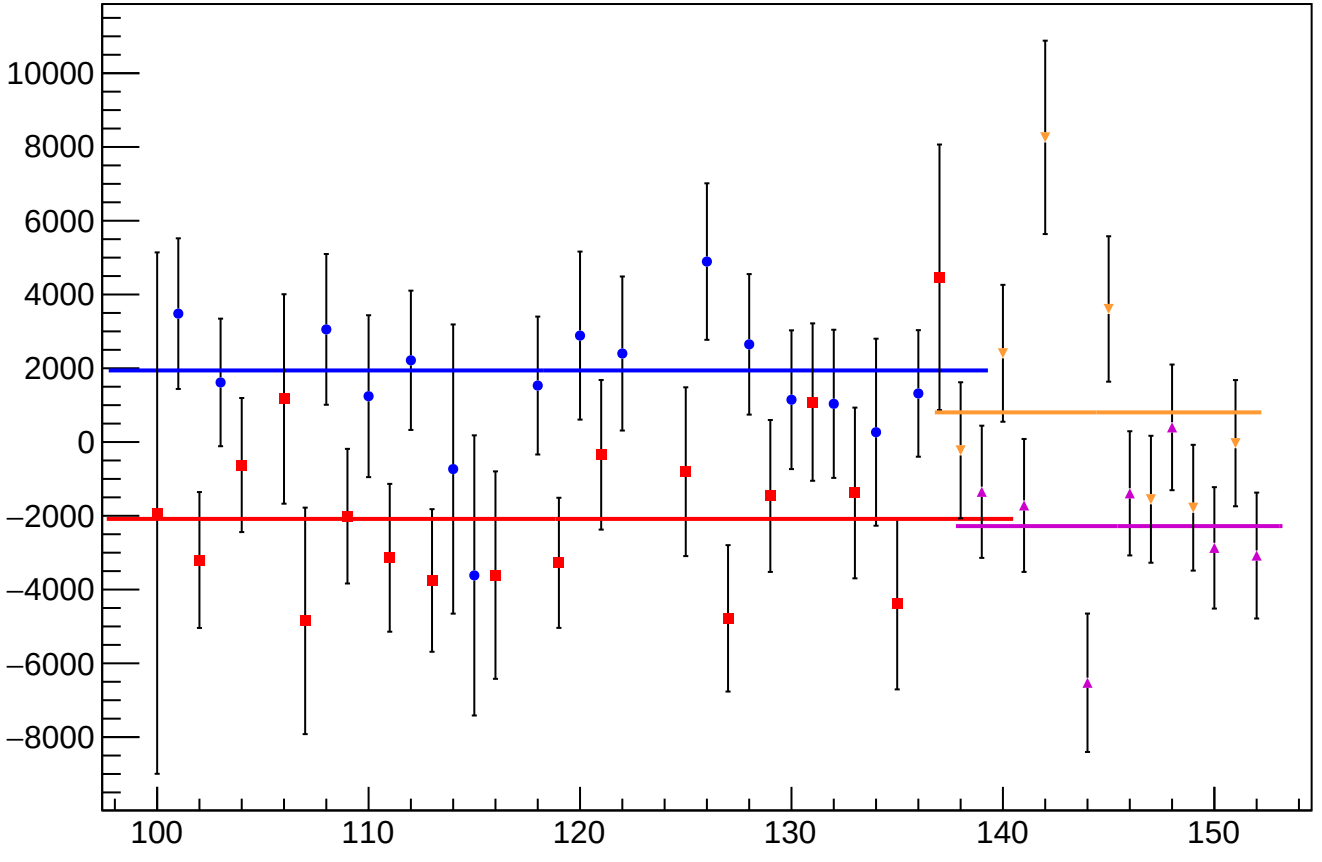
Left In: 4937.120+/-1.427 χ^2/NDF:225931.4/6

+ sign 3773.187+/-0.779 χ^2/NDF: 1546911.1/22

All: 3488.791+/-0.517 χ^2/NDF: 6075761.7/47

- sign 3263.916+/-0.692 χ^2/NDF: 4289950.6/24

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 803.752+/-705.396 χ^2/NDF:15.6/6

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

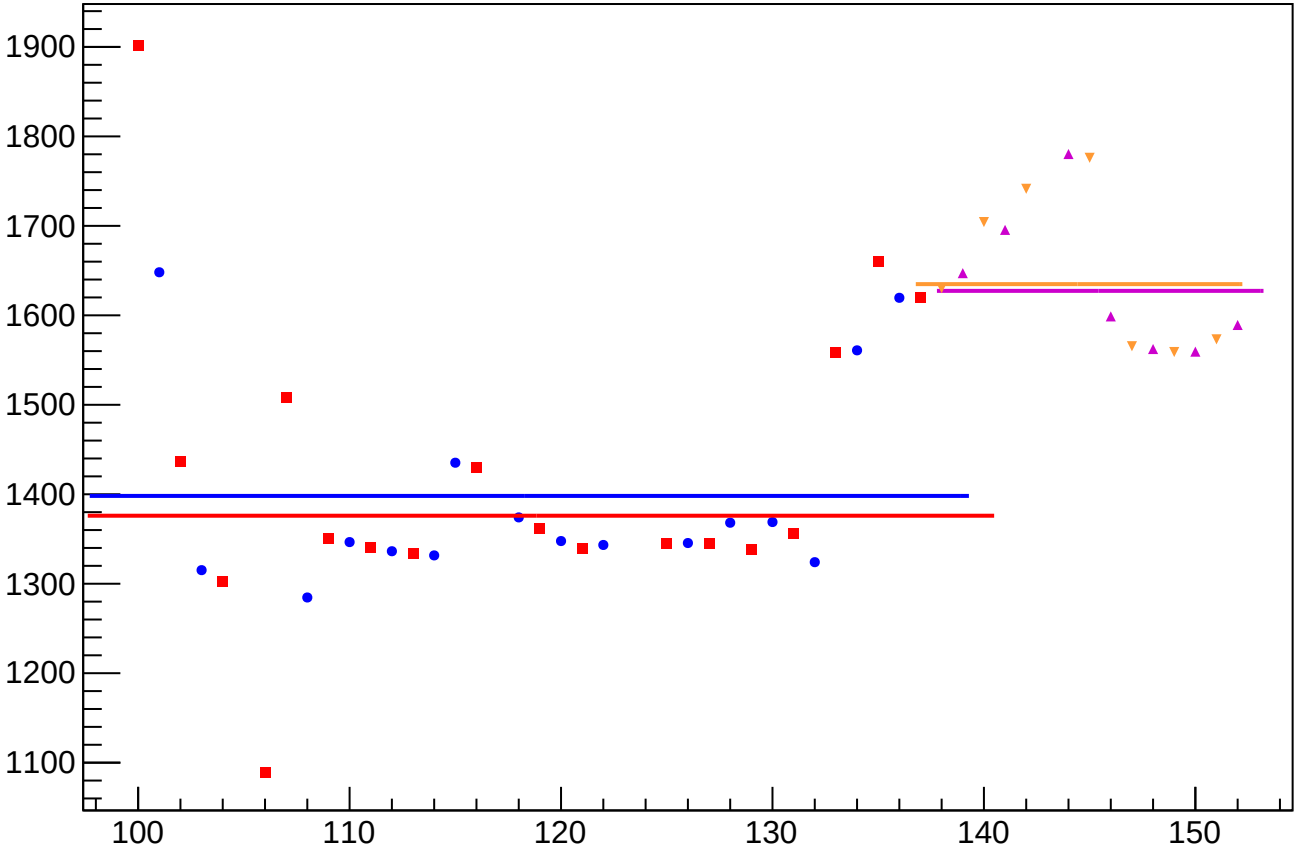
Left In: -2279.397+/-657.547 χ^2/NDF:8.6/6

+ sign 1538.438+/-419.694 χ^2/NDF: 24.2/22

All: -364.100+/-292.426 χ^2/NDF: 87.2/47

- sign -2159.210+/-407.673 χ^2/NDF: 23.1/24

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1634.881+/-0.499 χ^2/NDF:26183.8/6

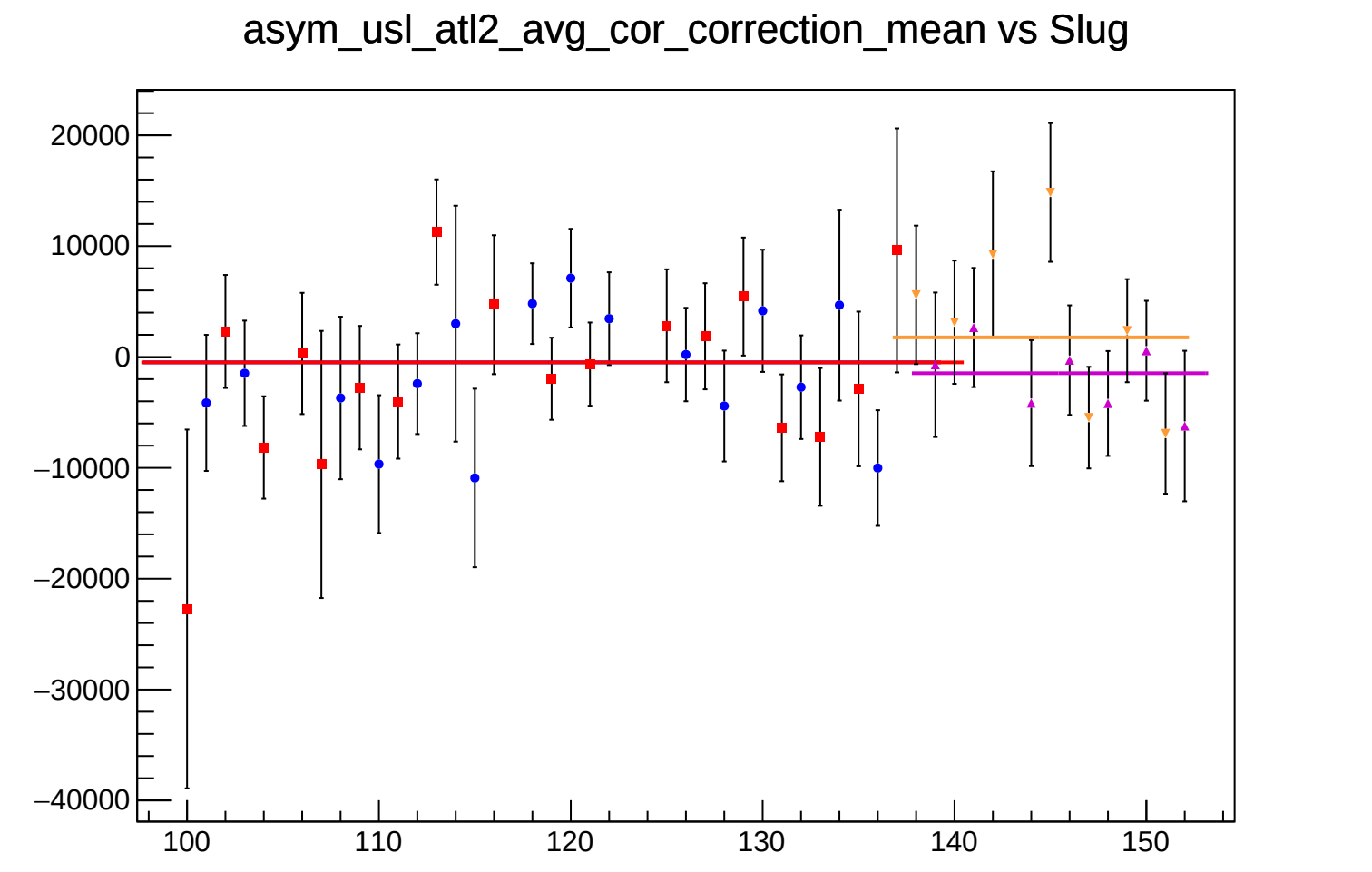
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1627.346+/-0.465 χ^2/NDF:24282.5/6

+ sign 1481.959+/-0.297 χ^2/NDF: 265609.2/22

All: 1476.296+/-0.206 χ^2/NDF: 586340.7/47

- sign 1471.041+/-0.286 χ^2/NDF: 320029.5/24



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 1765.924+/-2088.406 χ^2/NDF:10.9/6

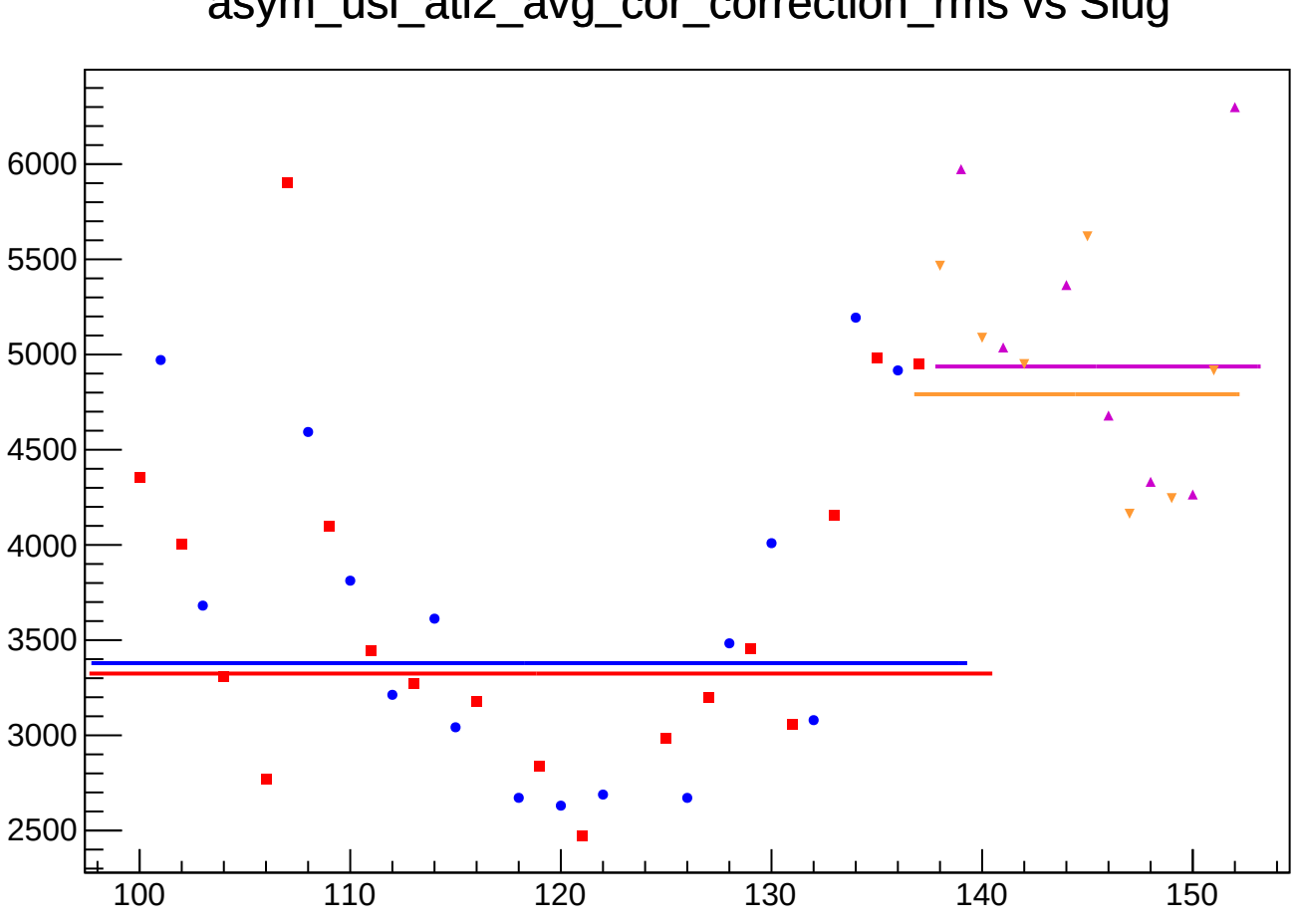
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1465.721+/-2017.512 χ^2/NDF:1.9/6

+ sign 138.957+/-1100.537 χ^2/NDF: 27.7/22

All: -325.011+/-766.990 χ^2/NDF: 48.8/47

- sign -763.184+/-1069.505 χ^2/NDF: 20.8/24



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4791.404+/-1.477 χ^2/NDF:131278.3/6

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

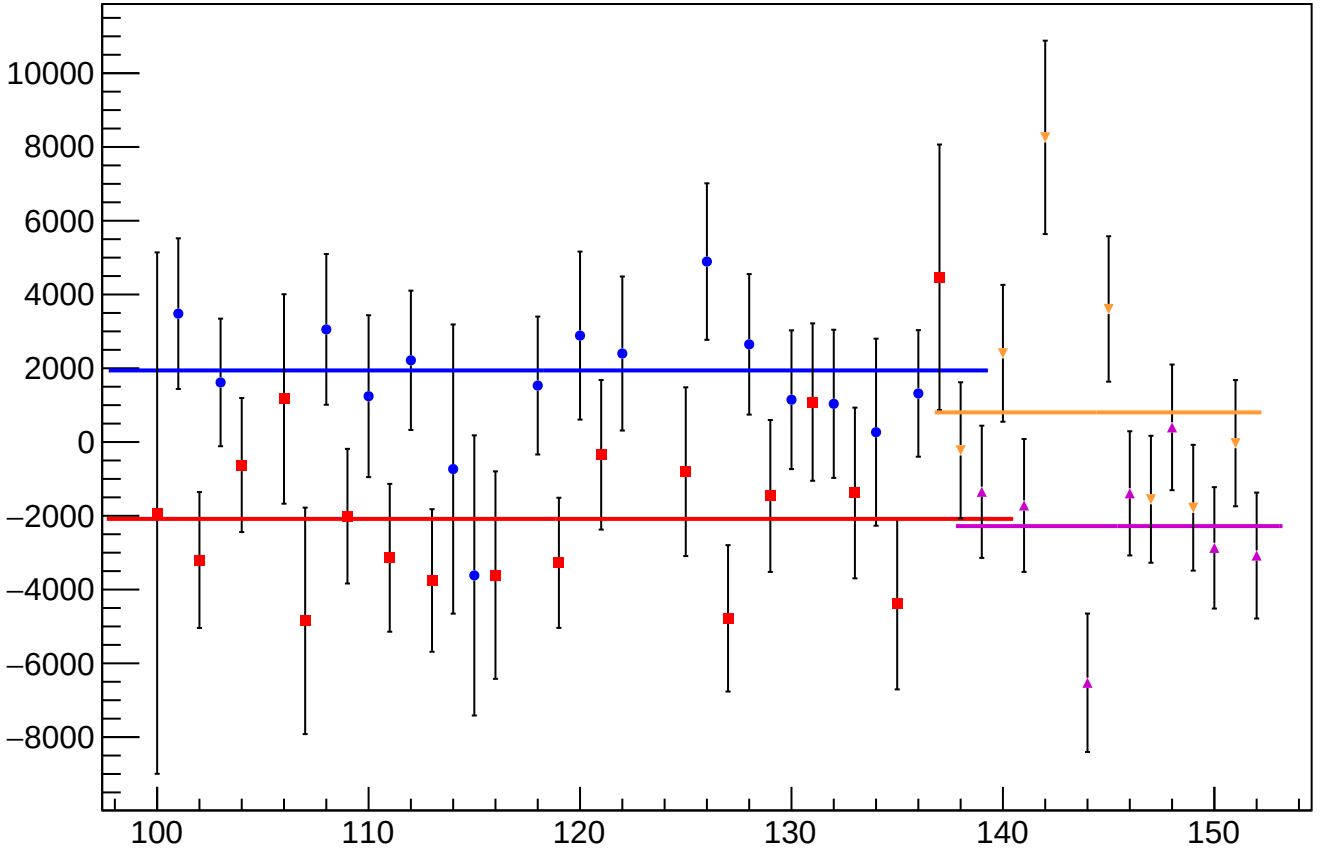
Left In: 4937.114+/-1.427 χ^2/NDF:225932.6/6

+ sign 3771.307+/-0.778 χ^2/NDF: 1547260.3/22

All: 3774.562+/-0.542 χ^2/NDF: 3235804.5/47

- sign 3777.636+/-0.756 χ^2/NDF: 1688510.1/24

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 803.752+/-705.396 χ^2/NDF:15.6/6

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

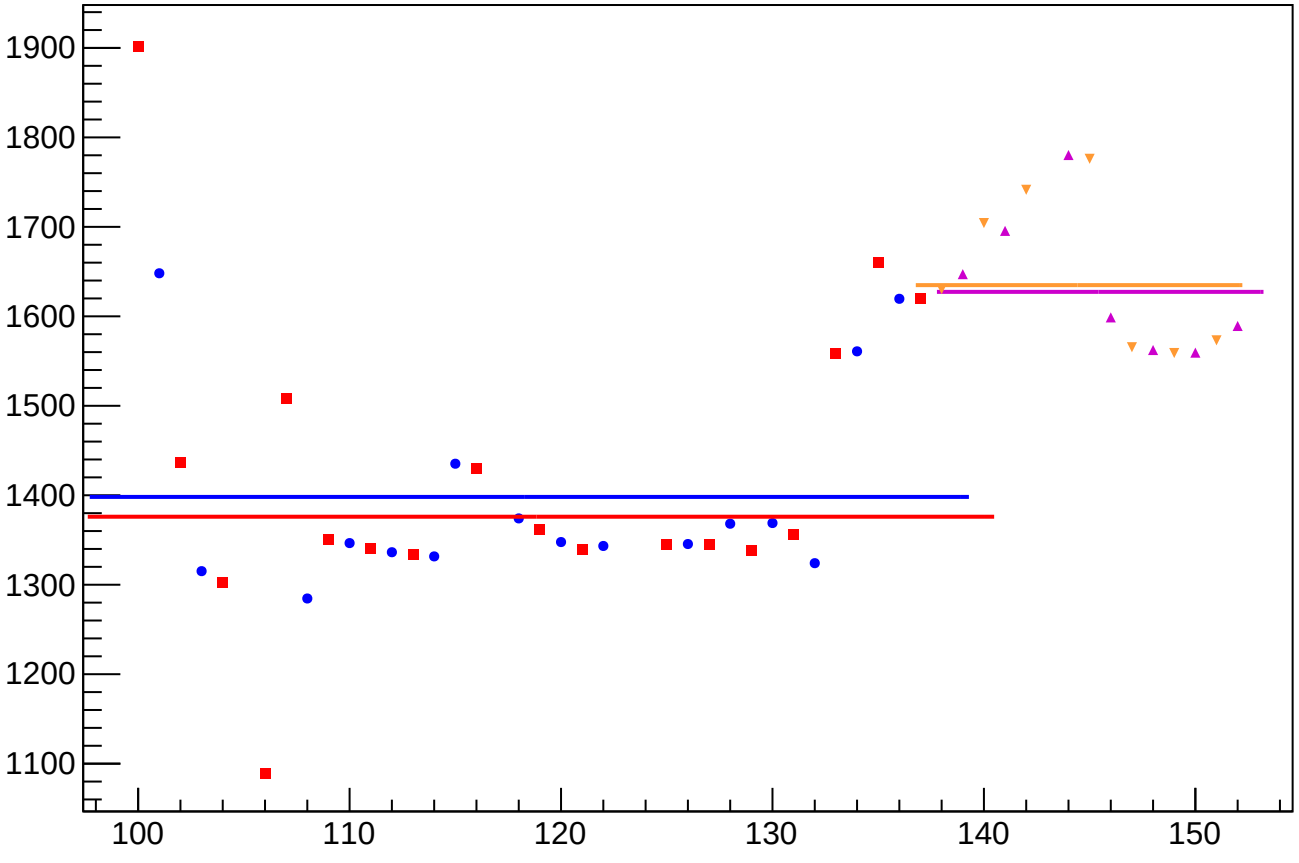
Left In: -2279.397+/-657.547 χ^2/NDF:8.6/6

+ sign 1538.438+/-419.694 χ^2/NDF: 24.2/22

All: -364.100+/-292.426 χ^2/NDF: 87.2/47

- sign -2159.210+/-407.673 χ^2/NDF: 23.1/24

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1634.881+/-0.499 χ^2/NDF:26183.8/6

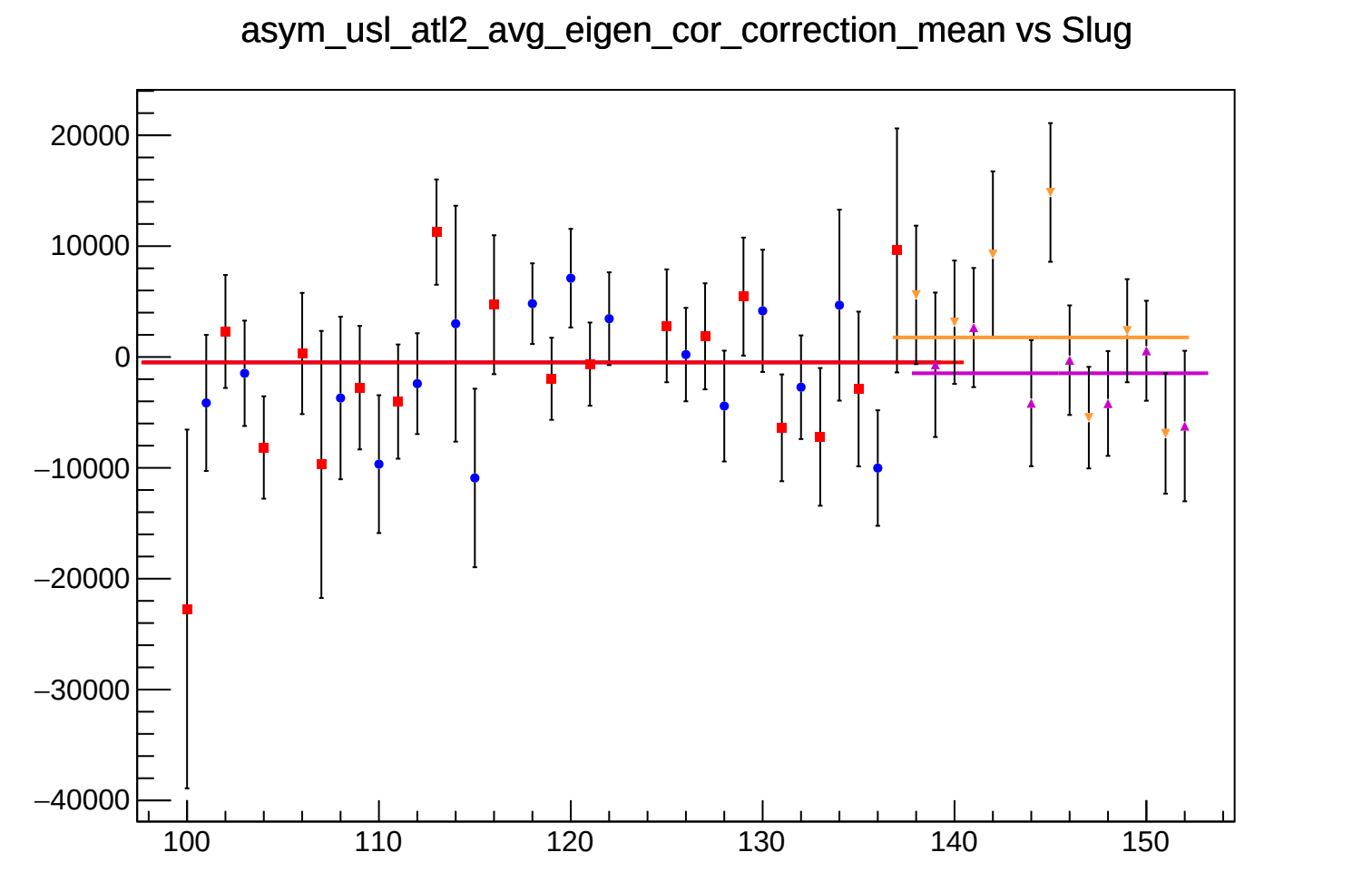
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1627.346+/-0.465 χ^2/NDF:24282.5/6

+ sign 1481.959+/-0.297 χ^2/NDF: 265609.2/22

All: 1476.296+/-0.206 χ^2/NDF: 586340.7/47

- sign 1471.041+/-0.286 χ^2/NDF: 320029.5/24



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 1765.924+/-2088.406 χ^2/NDF:10.9/6

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

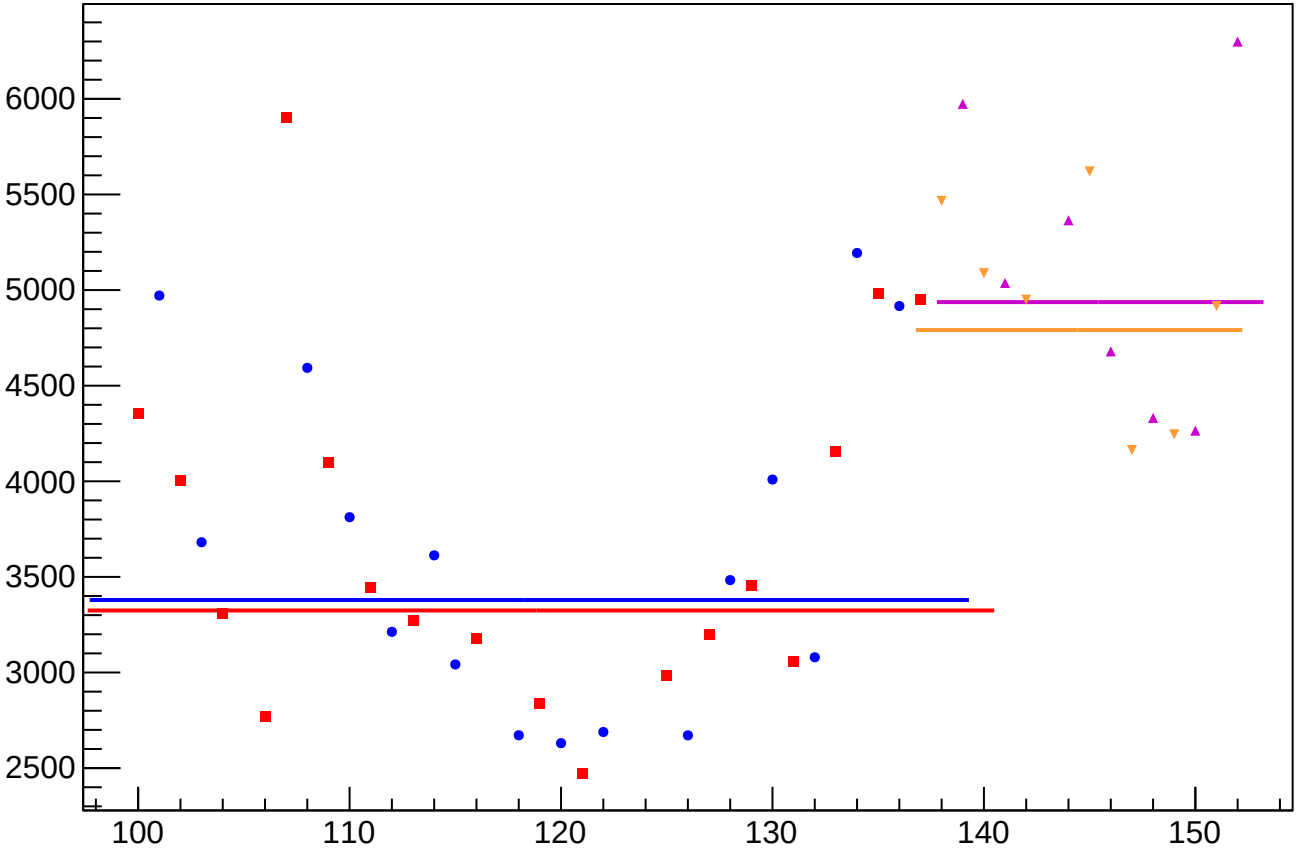
Left In: -1465.721+/-2017.512 χ^2/NDF:1.9/6

+ sign 138.957+/-1100.537 χ^2/NDF: 27.7/22

All: -325.011+/-766.990 χ^2/NDF: 48.8/47

- sign -763.184+/-1069.505 χ^2/NDF: 20.8/24

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4791.404+/-1.477 χ^2/NDF:131278.3/6

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

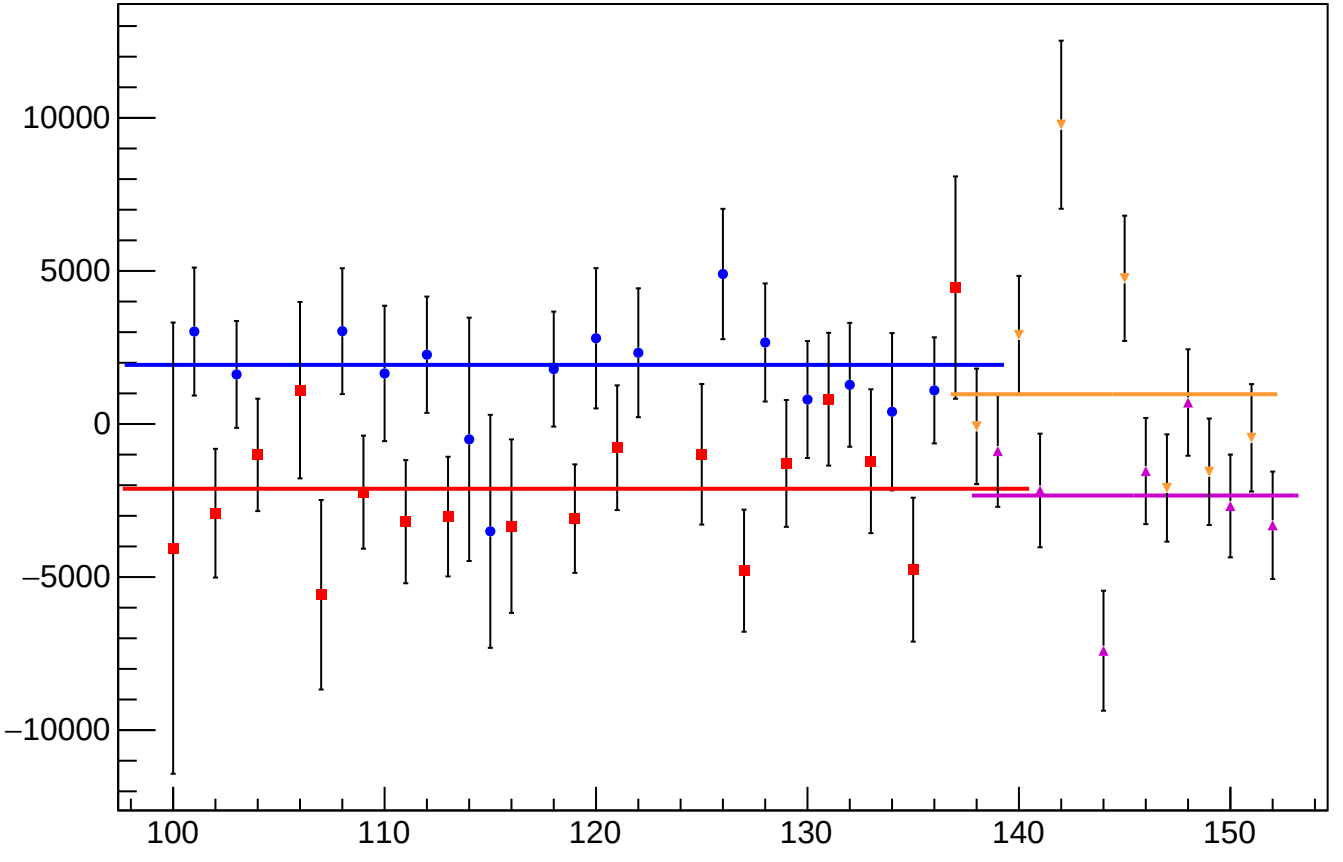
Left In: 4937.114+/-1.427 χ^2/NDF:225932.6/6

+ sign 3771.307+/-0.778 χ^2/NDF: 1547260.3/22

All: 3774.562+/-0.542 χ^2/NDF: 3235804.5/47

- sign 3777.636+/-0.756 χ^2/NDF: 1688510.1/24

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 972.832+/-725.215 χ^2/NDF:20.9/6

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

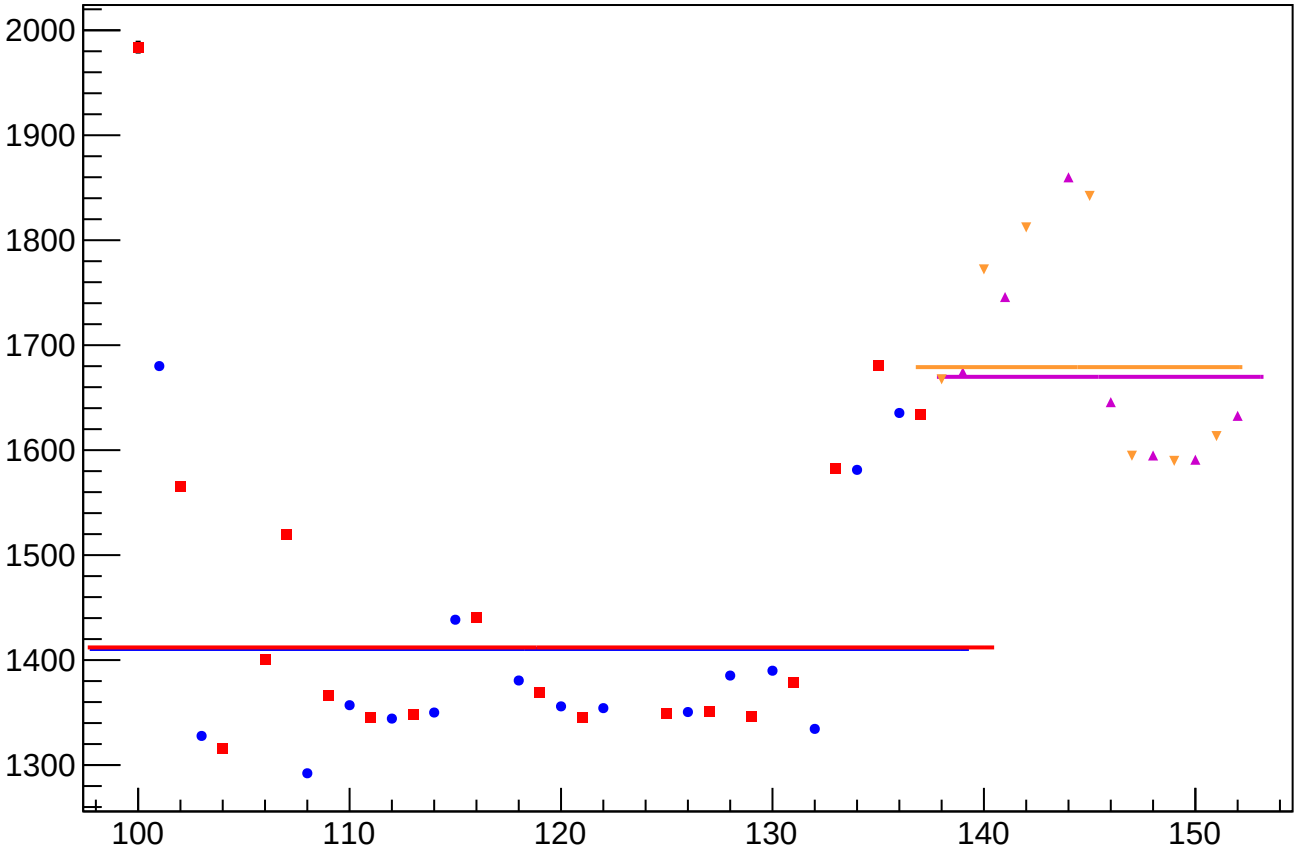
Left In: -2336.559+/-674.978 χ^2/NDF:10.9/6

+ sign 1600.118+/-426.396 χ^2/NDF: 28.4/22

All: -345.296+/-297.862 χ^2/NDF: 93.2/47

- sign -2199.387+/-416.267 χ^2/NDF: 24.2/24

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1679.094+/-0.513 χ^2/NDF:34857.4/6

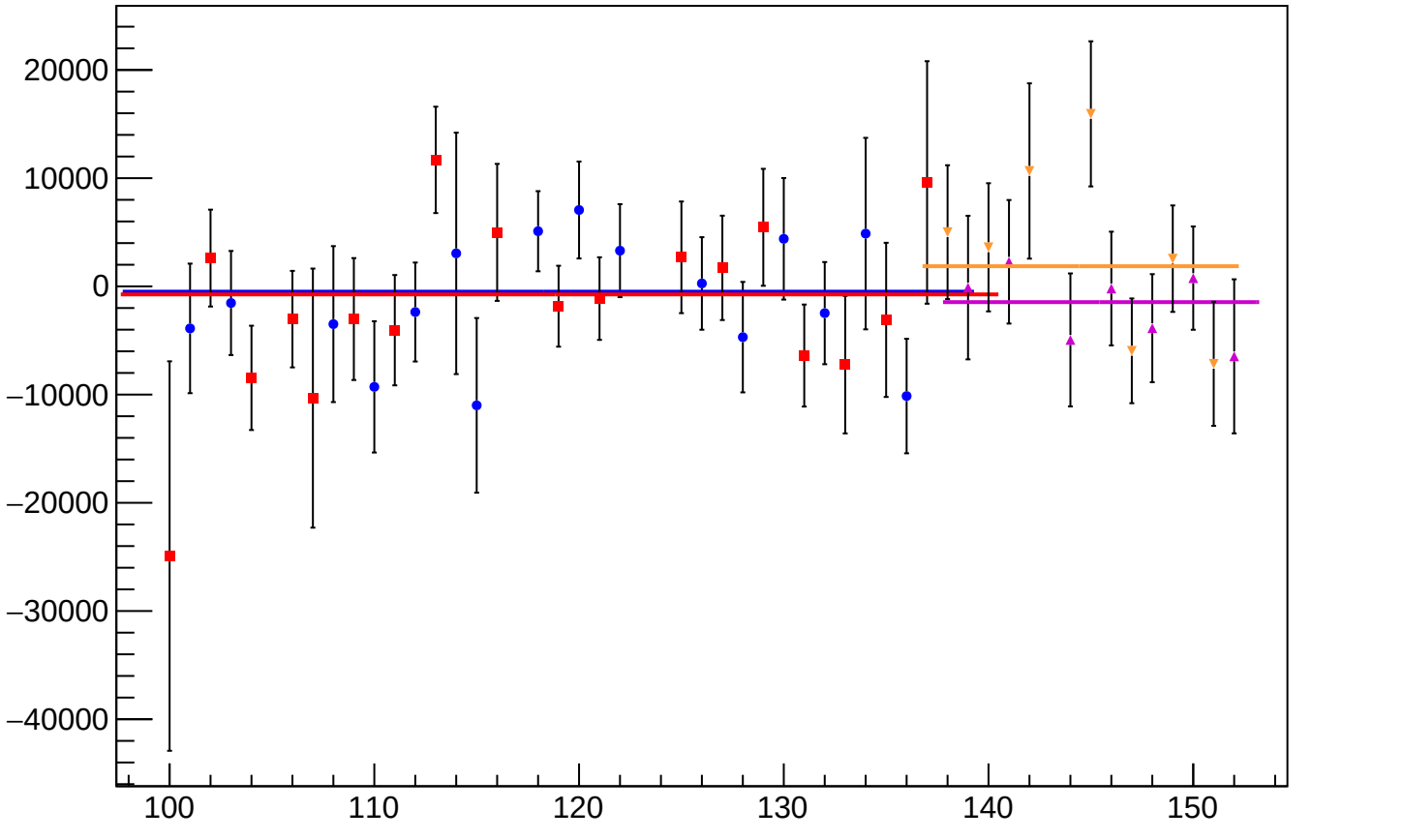
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1669.846+/-0.477 χ^2/NDF:31589.8/6

+ sign 1503.414+/-0.302 χ^2/NDF: 313381.9/22

All: 1506.675+/-0.210 χ^2/NDF: 616058.8/47

- sign 1509.773+/-0.294 χ^2/NDF: 302448.8/24



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 1863.505+/-2200.162 χ^2/NDF:11.0/6

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

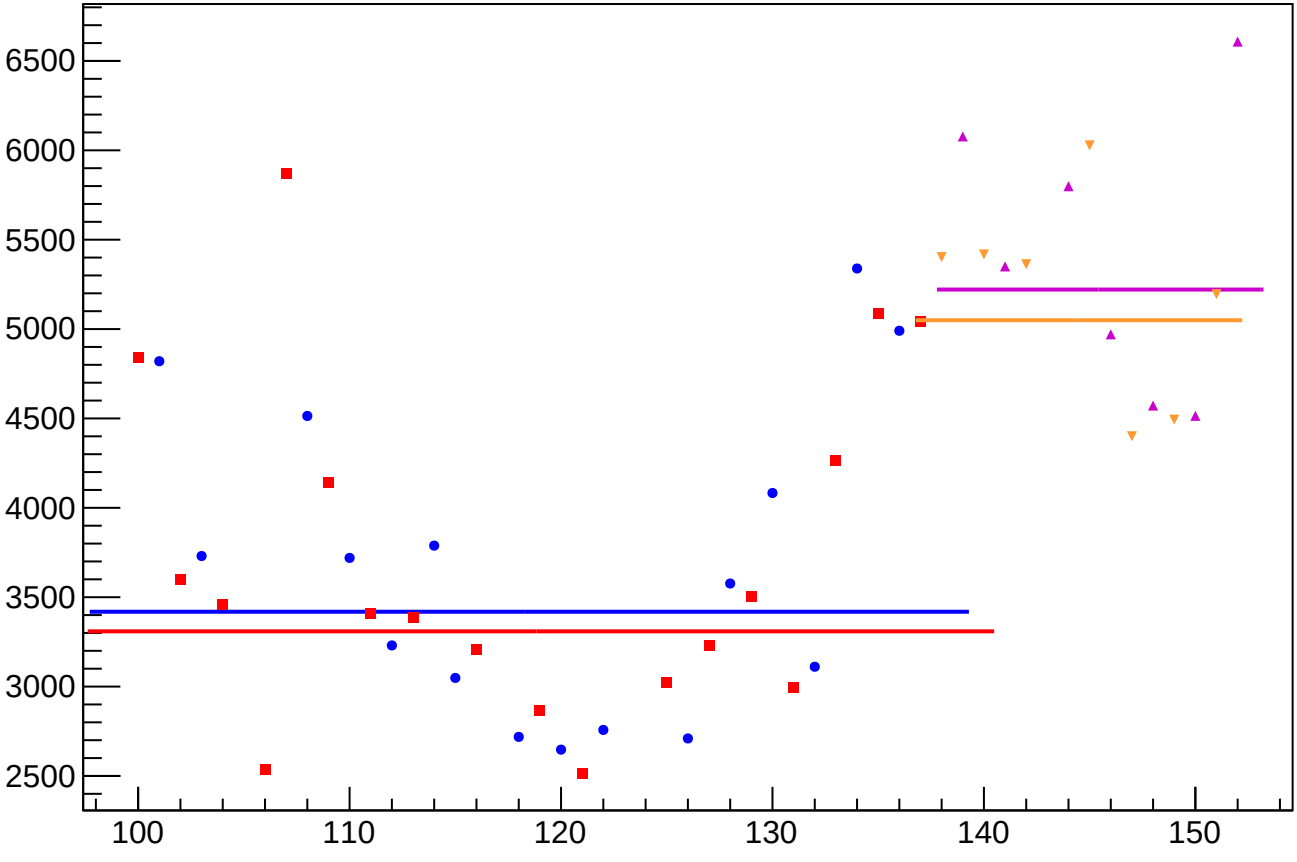
Left In: -1455.354+/-2132.550 χ^2/NDF:1.8/6

+ sign 125.511+/-1124.758 χ^2/NDF: 27.7/22

All: -421.398+/-777.920 χ^2/NDF: 49.2/47

- sign -922.922+/-1077.079 χ^2/NDF: 21.1/24

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5049.414+/-1.556 χ^2/NDF:122628.5/6

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

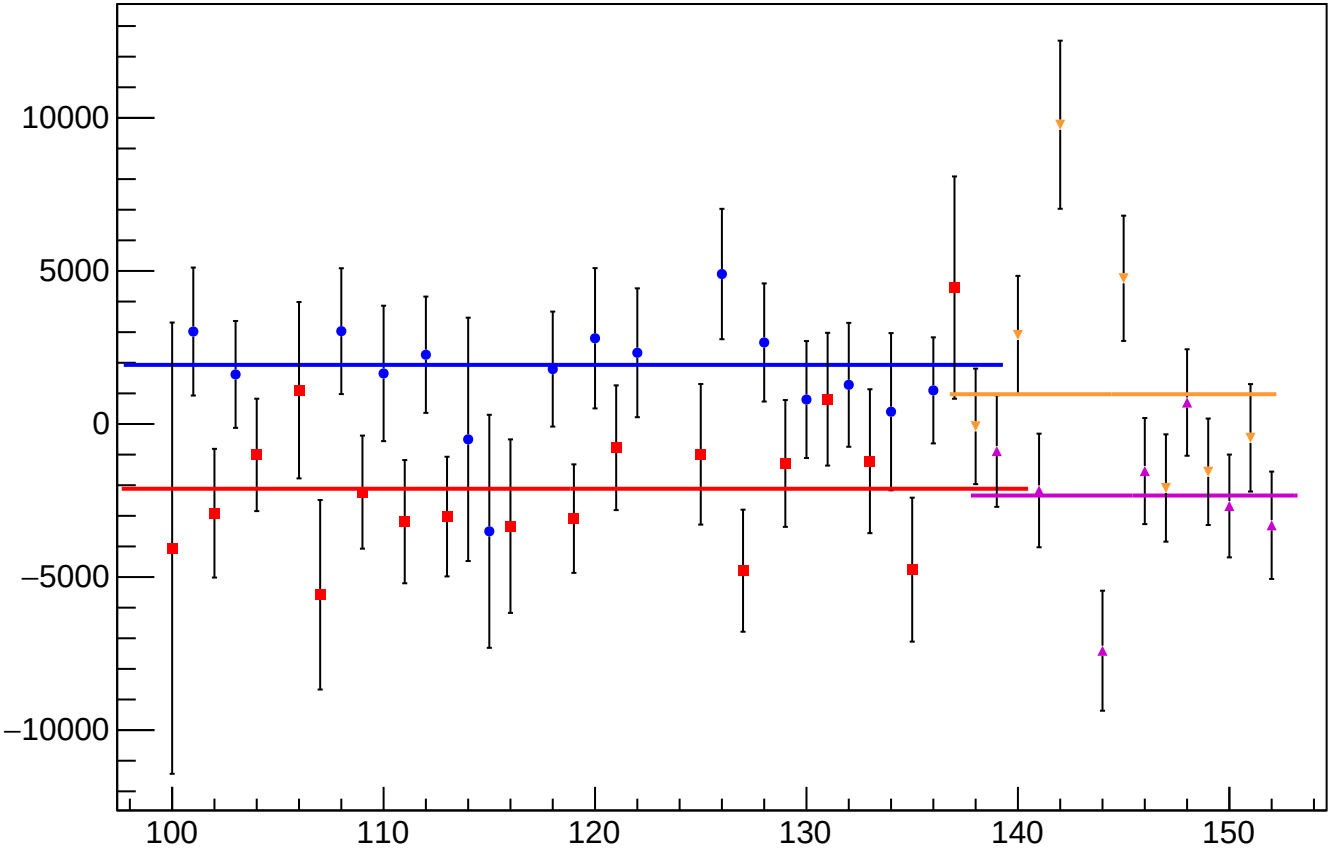
Left In: 5221.085+/-1.508 χ^2/NDF:210163.0/6

+ sign 3844.874+/-0.795 χ^2/NDF: 1655401.4/22

All: 3819.818+/-0.550 χ^2/NDF: 3636968.1/47

- sign 3796.841+/-0.762 χ^2/NDF: 1979664.0/24

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 972.835+/-725.215 χ^2/NDF:20.9/6

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

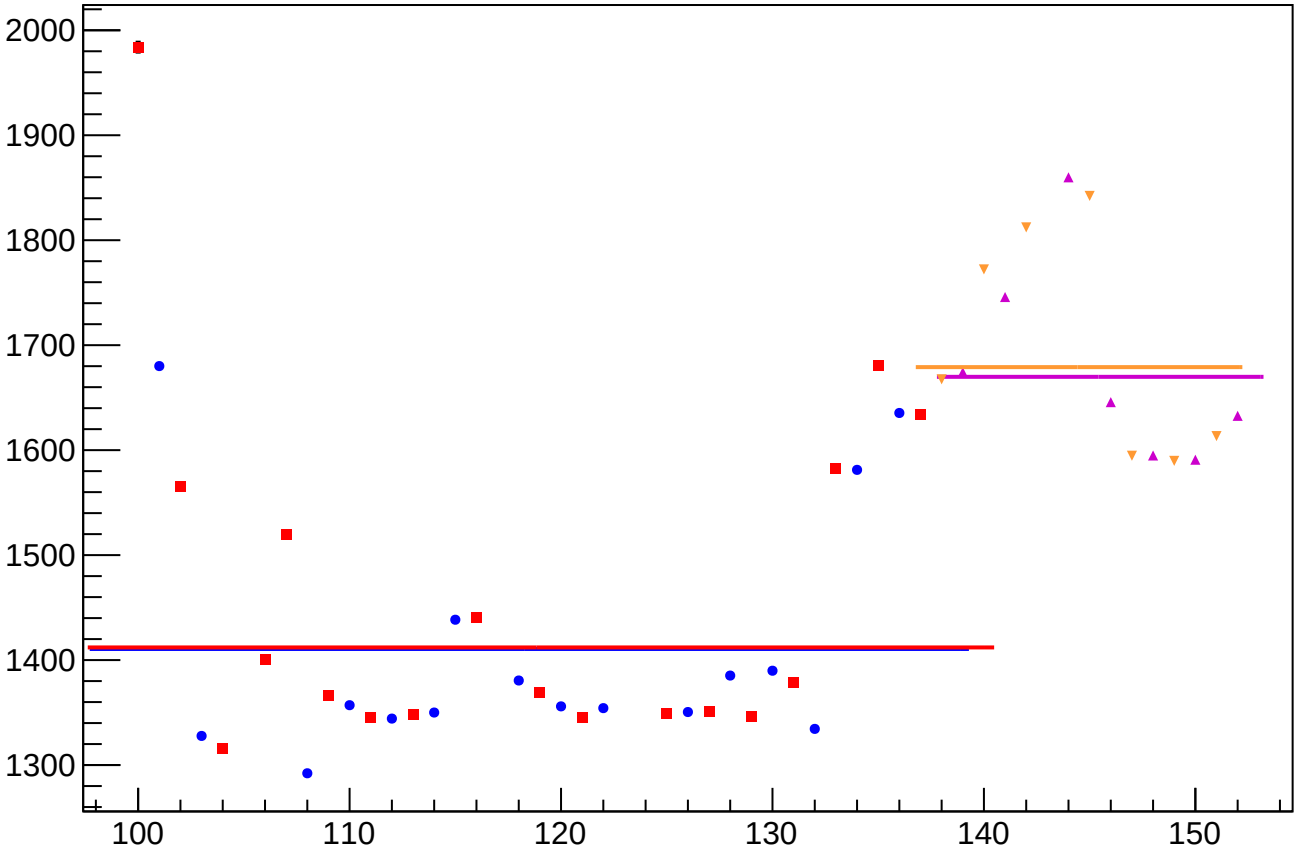
Left In: -2336.562+/-674.979 χ^2/NDF:10.9/6

+ sign 1600.120+/-426.396 χ^2/NDF: 28.4/22

All: -345.295+/-297.862 χ^2/NDF: 93.2/47

- sign -2199.388+/-416.267 χ^2/NDF: 24.2/24

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1679.095+/-0.513 χ^2/NDF:34858.1/6

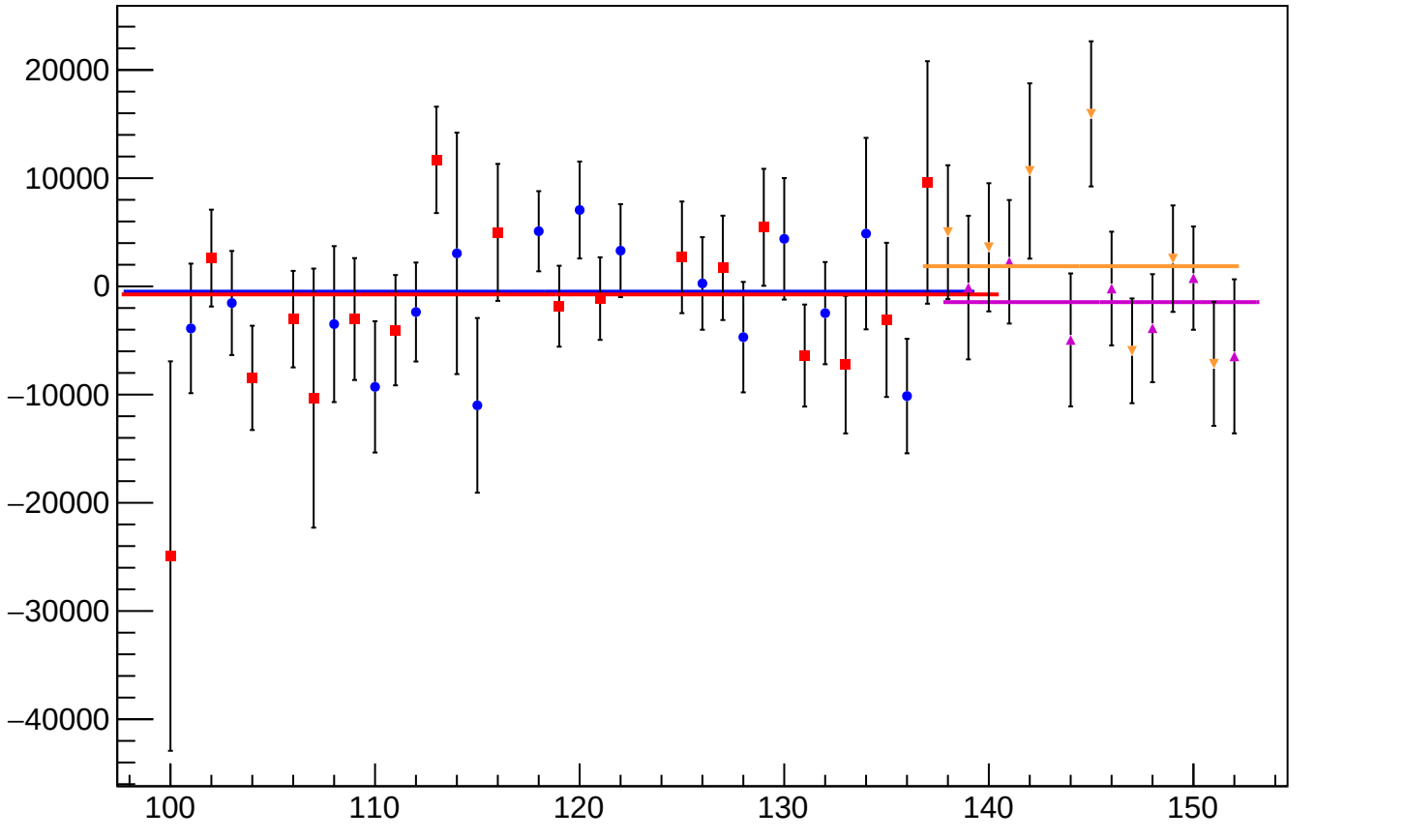
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1669.847+/-0.477 χ^2/NDF:31590.2/6

+ sign 1503.414+/-0.302 χ^2/NDF: 313383.6/22

All: 1506.675+/-0.210 χ^2/NDF: 616062.7/47

- sign 1509.773+/-0.294 χ^2/NDF: 302451.0/24



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 1863.498+/-2200.164 χ^2/NDF:11.0/6

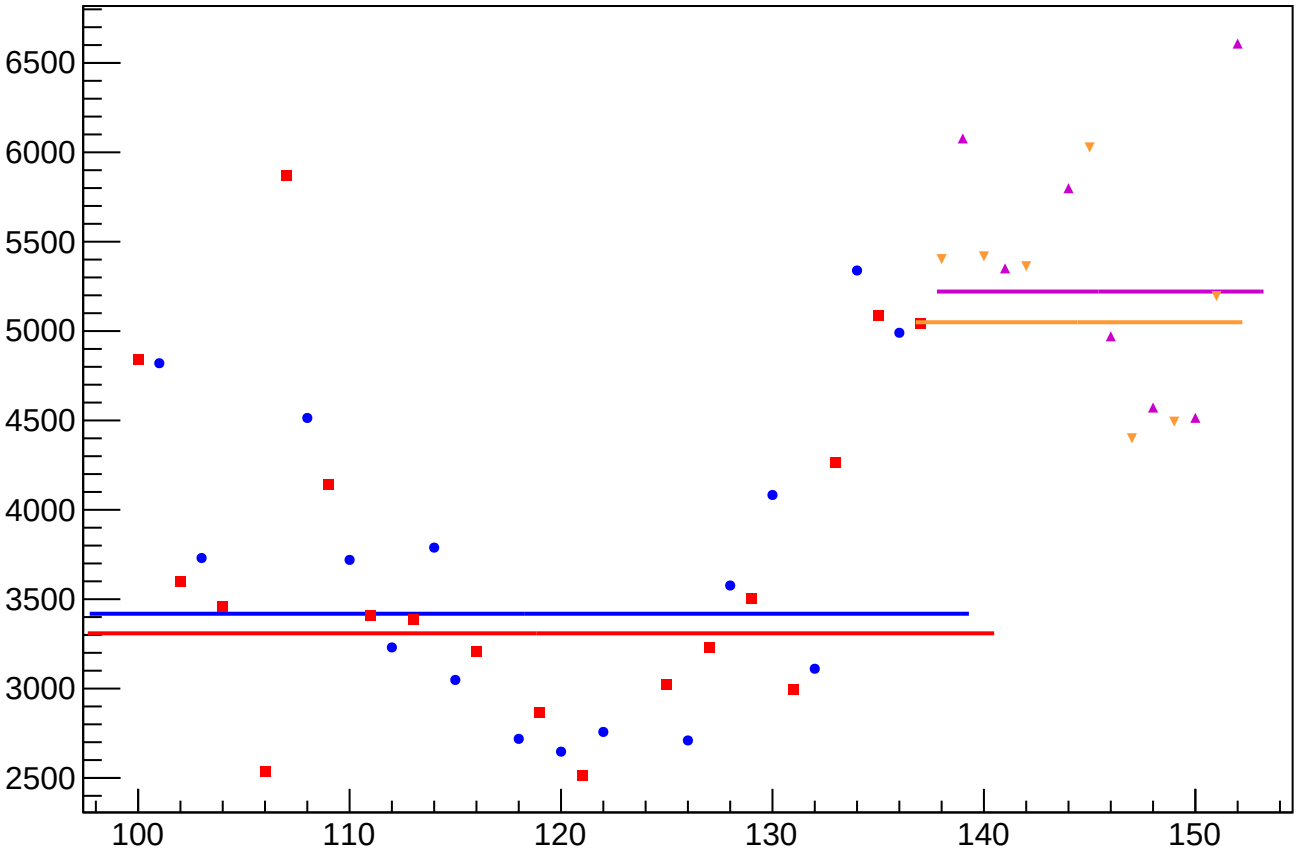
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -1455.357+/-2132.553 χ^2/NDF:1.8/6

+ sign 125.510+/-1124.756 χ^2/NDF: 27.7/22

All: -421.399+/-777.918 χ^2/NDF: 49.2/47

- sign -922.923+/-1077.077 χ^2/NDF: 21.1/24



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5049.420+/-1.556 χ^2/NDF:122630.8/6

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

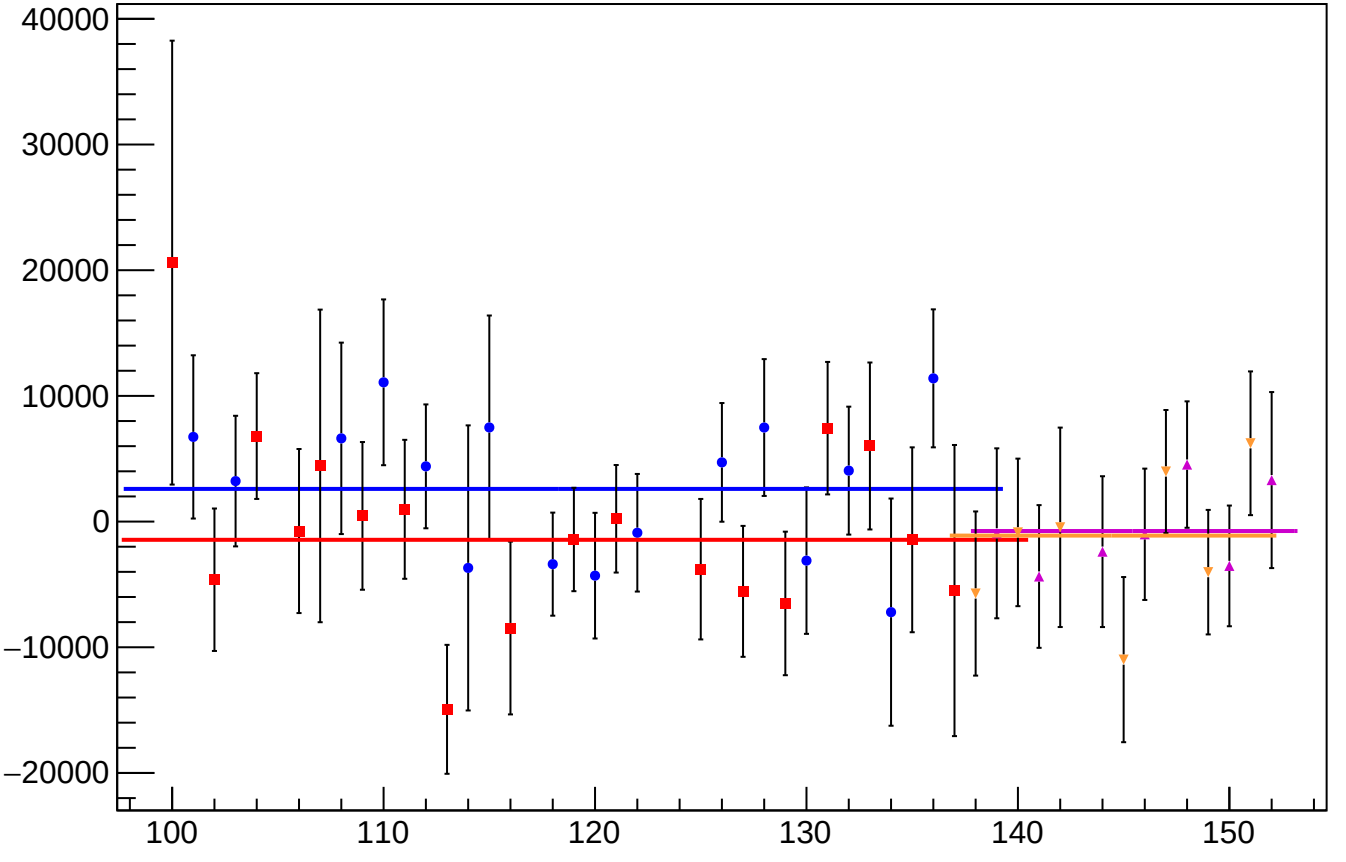
Left In: 5221.090+/-1.508 χ^2/NDF:210165.2/6

+ sign 3844.865+/-0.795 χ^2/NDF: 1655429.1/22

All: 3819.809+/-0.550 χ^2/NDF: 3637021.2/47

- sign 3796.832+/-0.762 χ^2/NDF: 1979689.4/24

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -1115.150+/-2210.847 χ^2/NDF:5.8/6

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

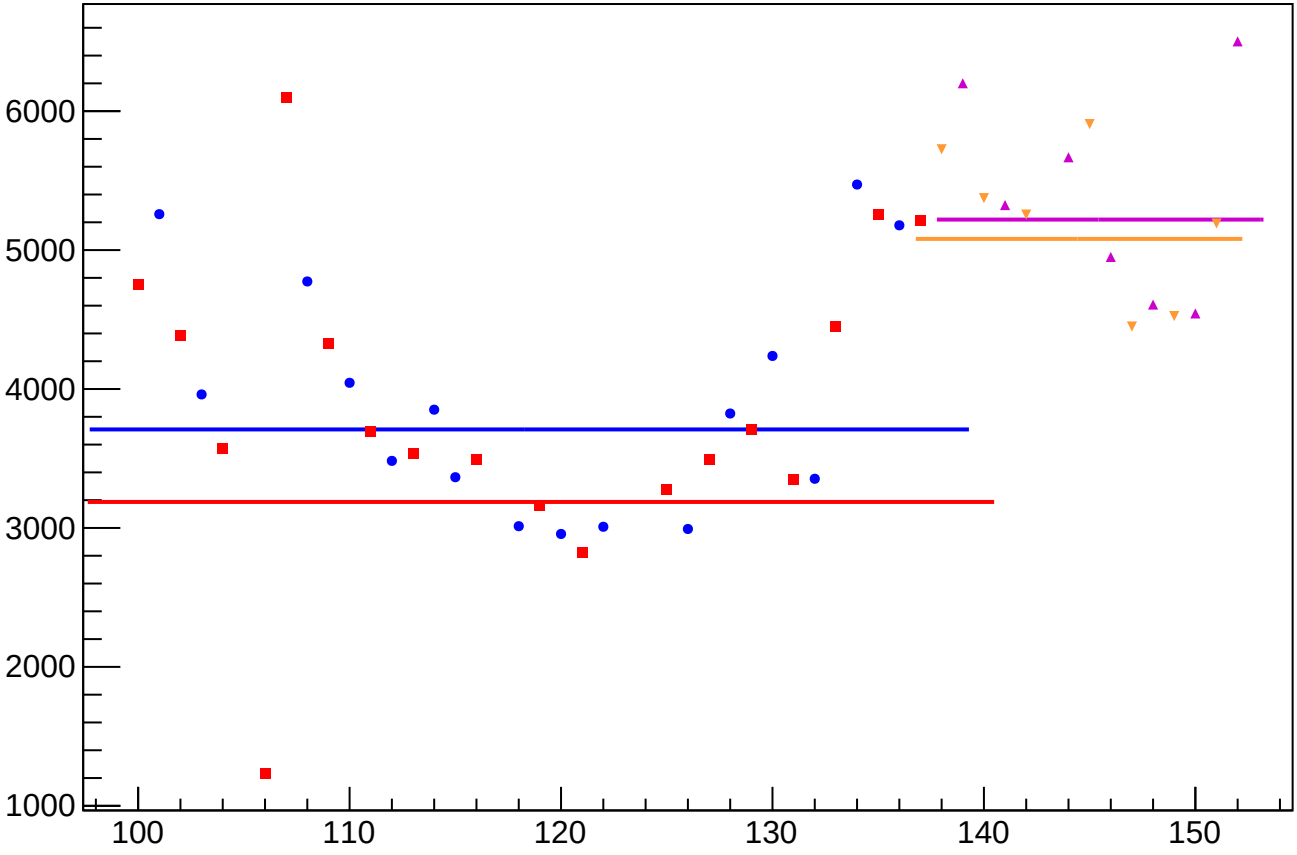
Left In: -750.915+/-2129.114 χ^2/NDF:2.3/6

+ sign 1520.668+/-1191.500 χ^2/NDF: 21.3/22

All: 101.506+/-831.043 χ^2/NDF: 45.5/47

- sign -1242.890+/-1159.690 χ^2/NDF: 21.4/24

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5080.625+/-1.563 χ^2/NDF:116189.4/6

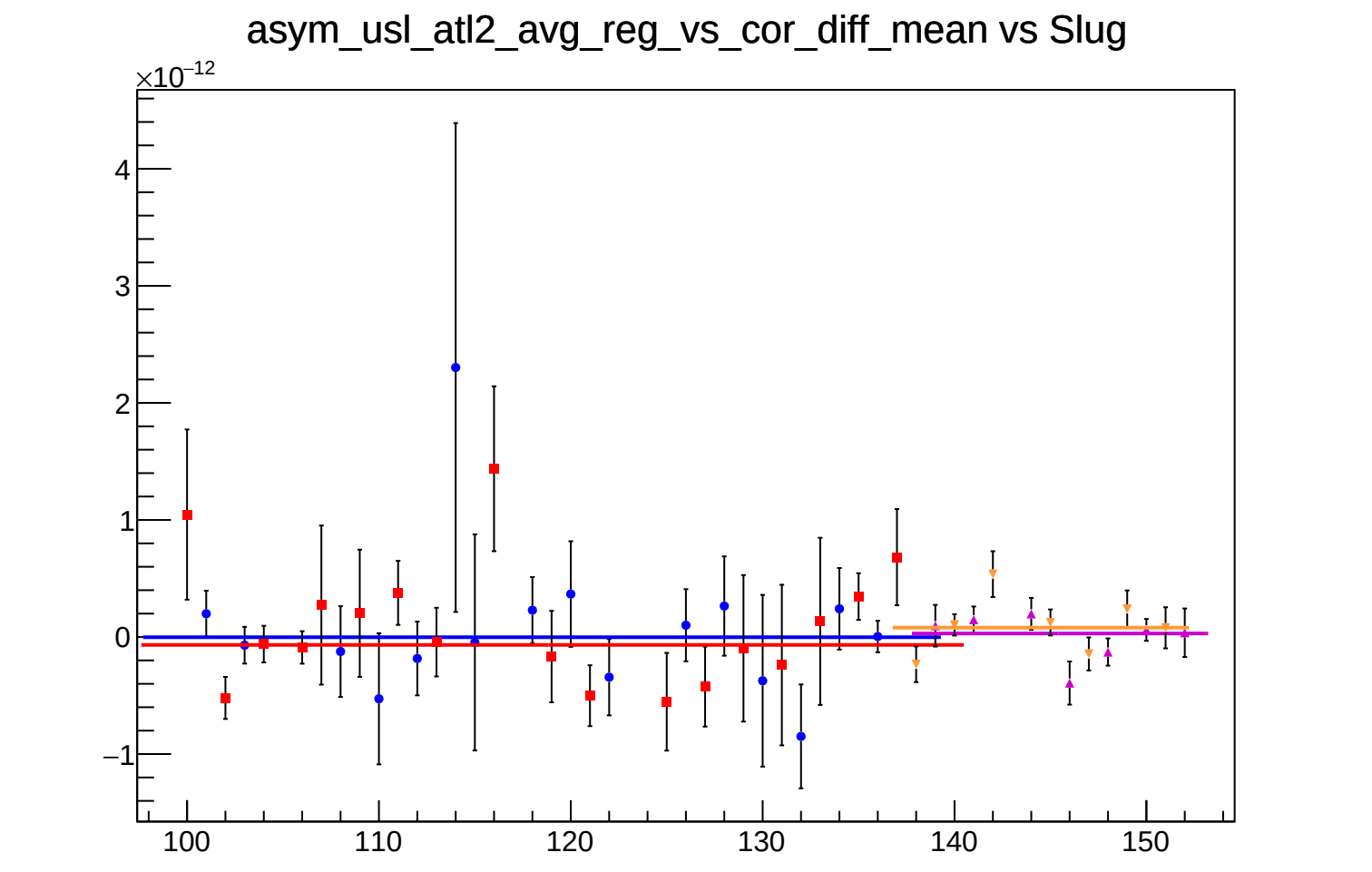
Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5219.558+/-1.506 χ^2/NDF:195522.3/6

+ sign 4107.496+/-0.843 χ^2/NDF: 1272923.0/22

All: 3895.400+/-0.568 χ^2/NDF: 4541584.5/47

- sign 3718.390+/-0.770 χ^2/NDF: 3152397.9/24



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/6

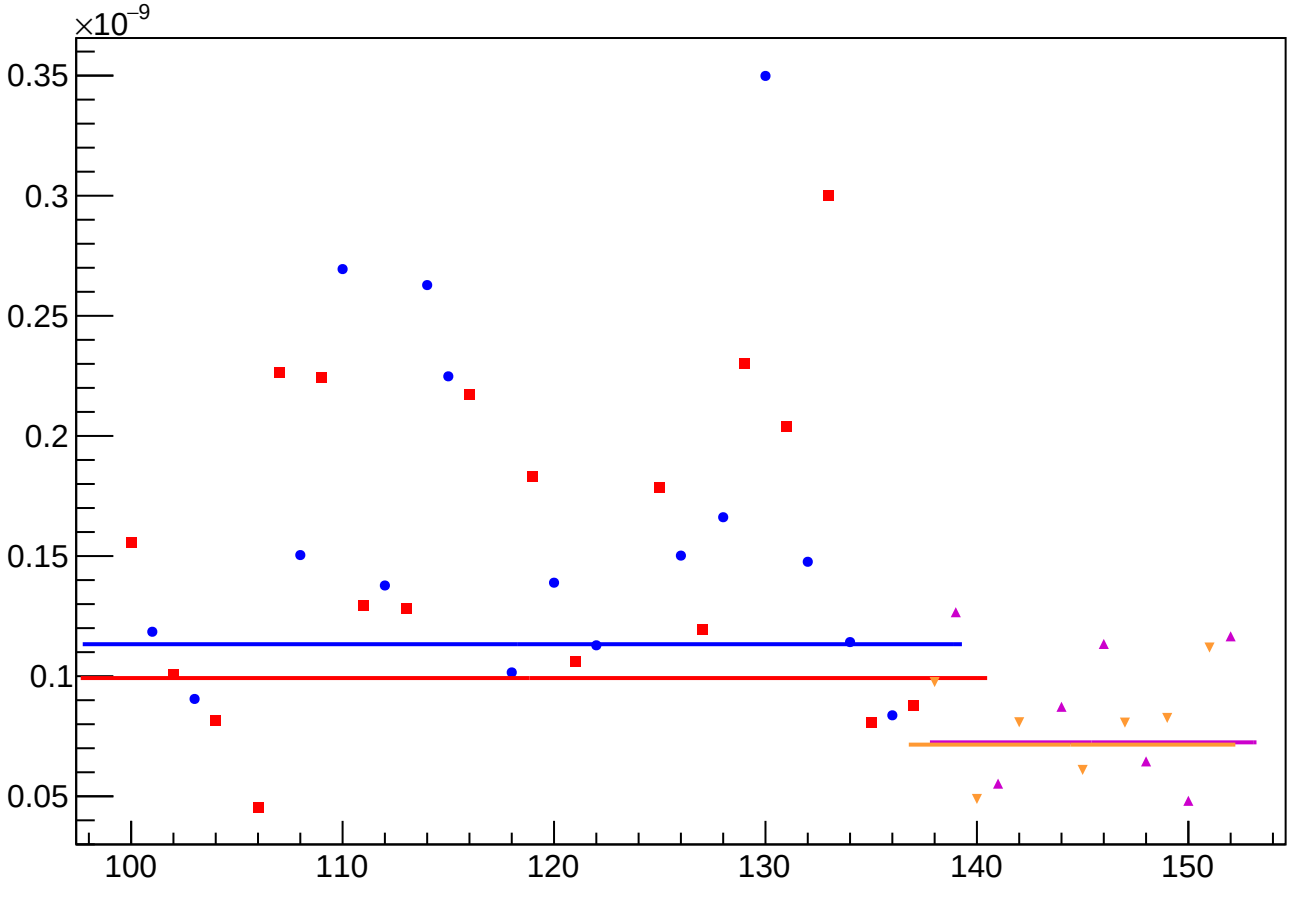
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:10.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/22

All: 0.000+/-0.000 χ^2/NDF: 67.4/47

- sign -0.000+/-0.000 χ^2/NDF: 40.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:328861.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

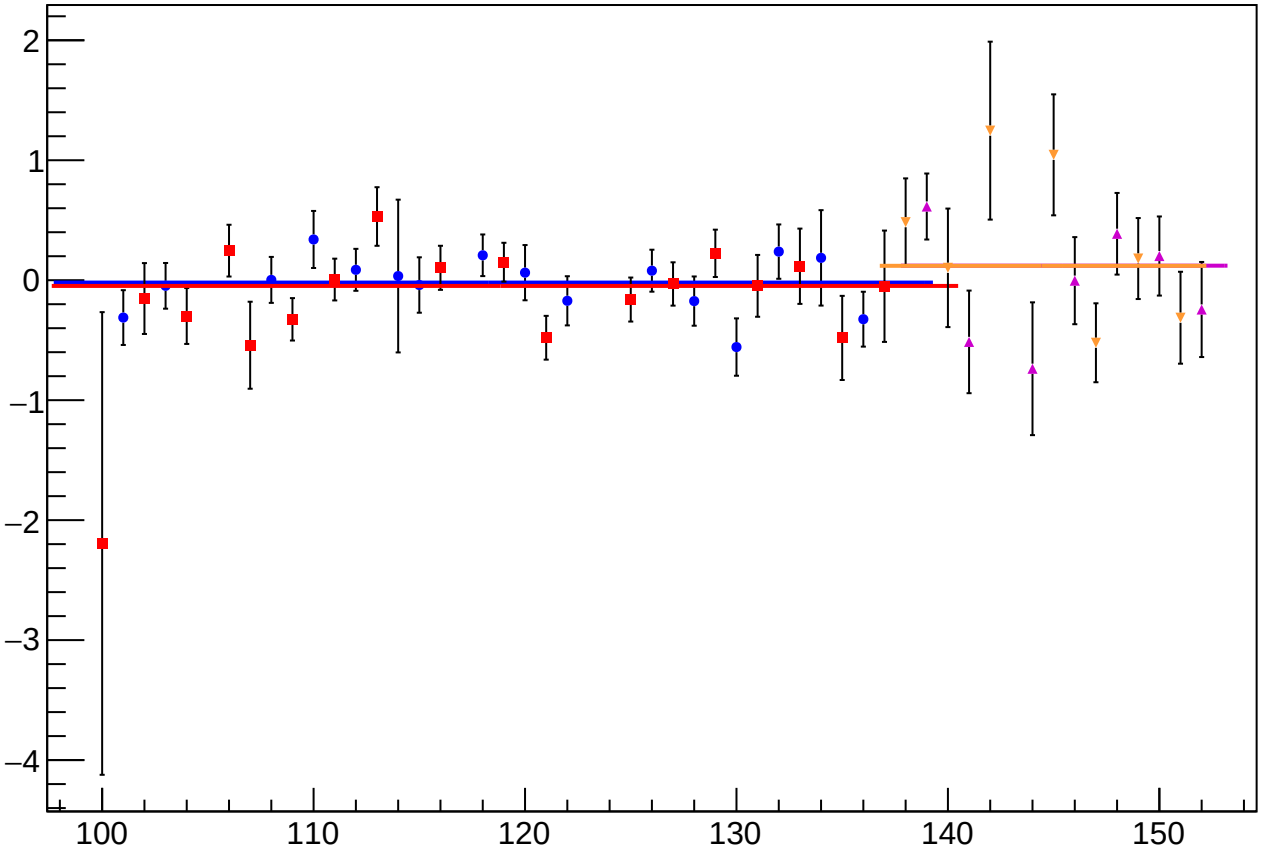
Left In: 0.000+/-0.000 χ^2/NDF:591087.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 1450524.8/22

All: 0.000+/-0.000 χ^2/NDF: 3361442.0/47

- sign 0.000+/-0.000 χ^2/NDF: 1903411.6/24

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: 0.120+/-0.154 χ^2/NDF:11.8/6

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

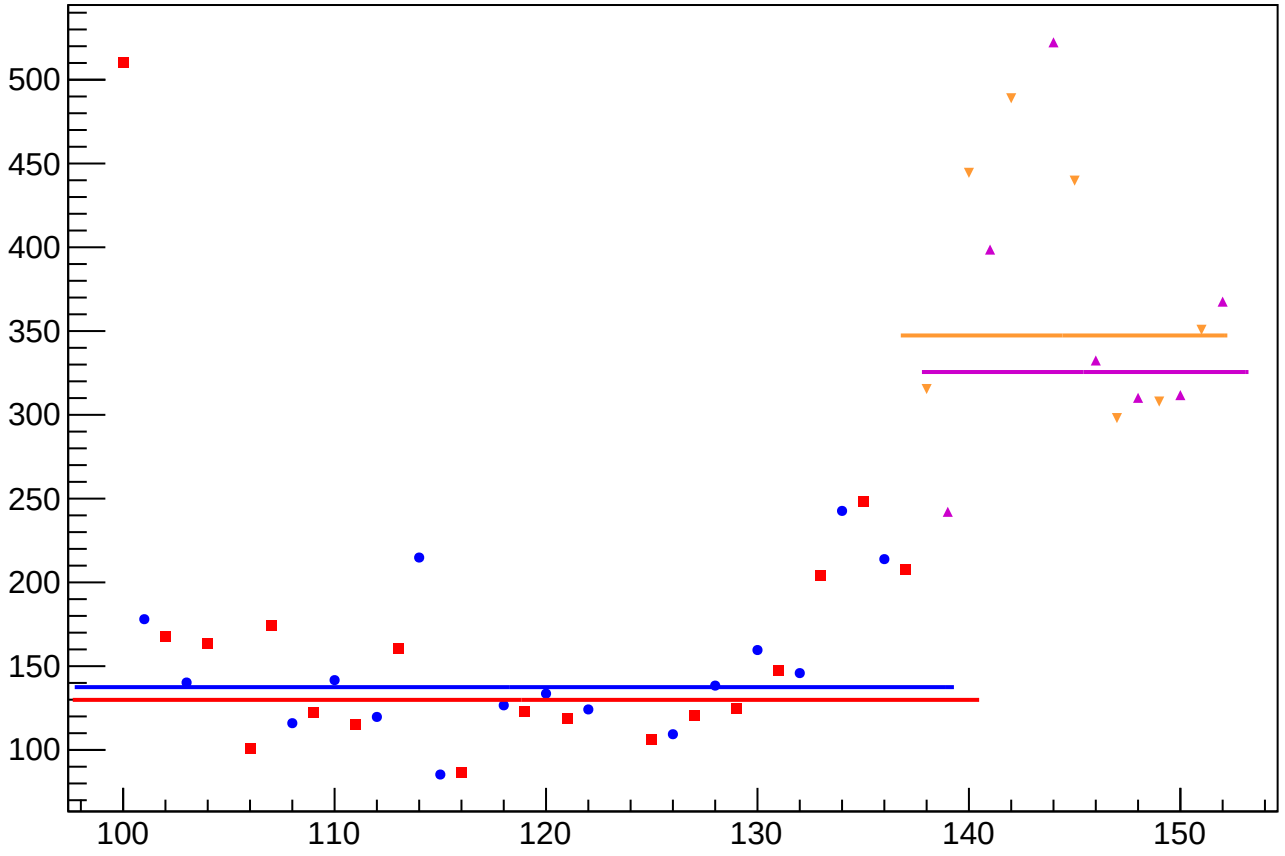
Left In: 0.121+/-0.136 χ^2/NDF:9.5/6

+ sign -0.004+/-0.051 χ^2/NDF: 28.5/22

All: -0.016+/-0.035 χ^2/NDF: 65.7/47

- sign -0.026+/-0.049 χ^2/NDF: 37.1/24

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: 347.373+/-0.109 χ^2/NDF:304954.8/6

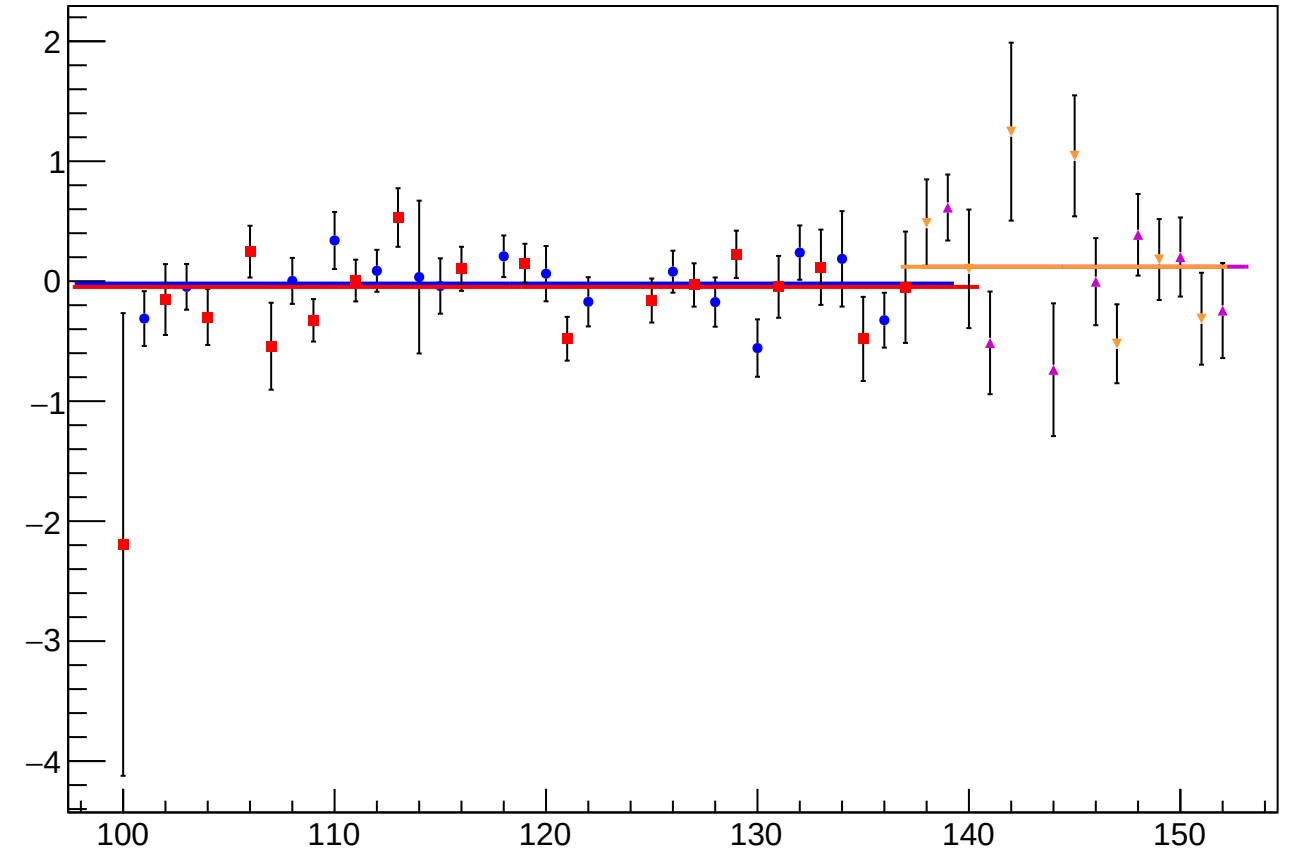
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.555+/-0.096 χ^2/NDF:525866.4/6

+ sign 160.634+/-0.036 χ^2/NDF: 4303931.7/22

All: 157.760+/-0.025 χ^2/NDF: 9259559.3/47

- sign 155.122+/-0.035 χ^2/NDF: 4943510.0/24



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.120+/-0.154 χ^2/NDF:11.8/6

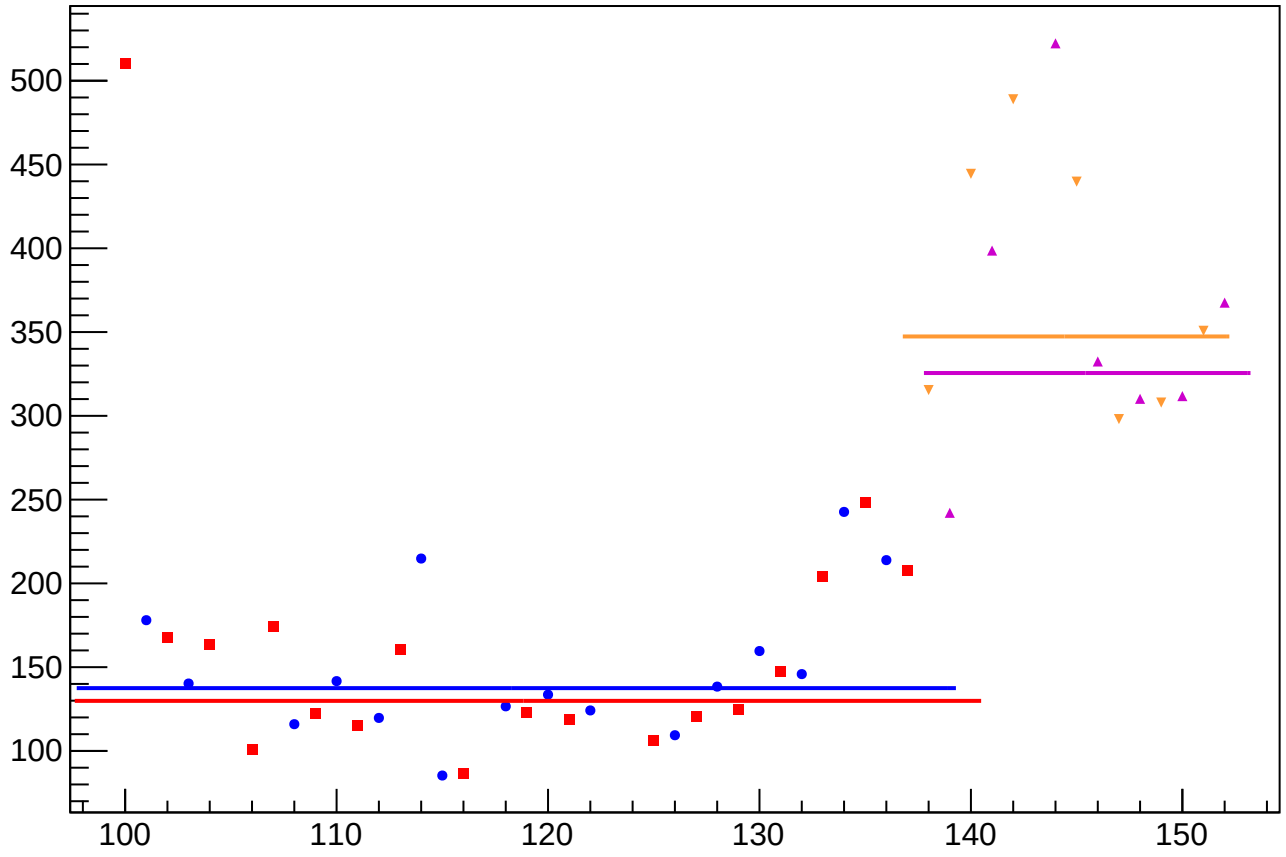
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.121+/-0.136 χ^2/NDF:9.5/6

+ sign -0.004+/-0.051 χ^2/NDF: 28.5/22

All: -0.016+/-0.035 χ^2/NDF: 65.7/47

- sign -0.026+/-0.049 χ^2/NDF: 37.1/24



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 347.373+/-0.109 χ^2/NDF:304954.8/6

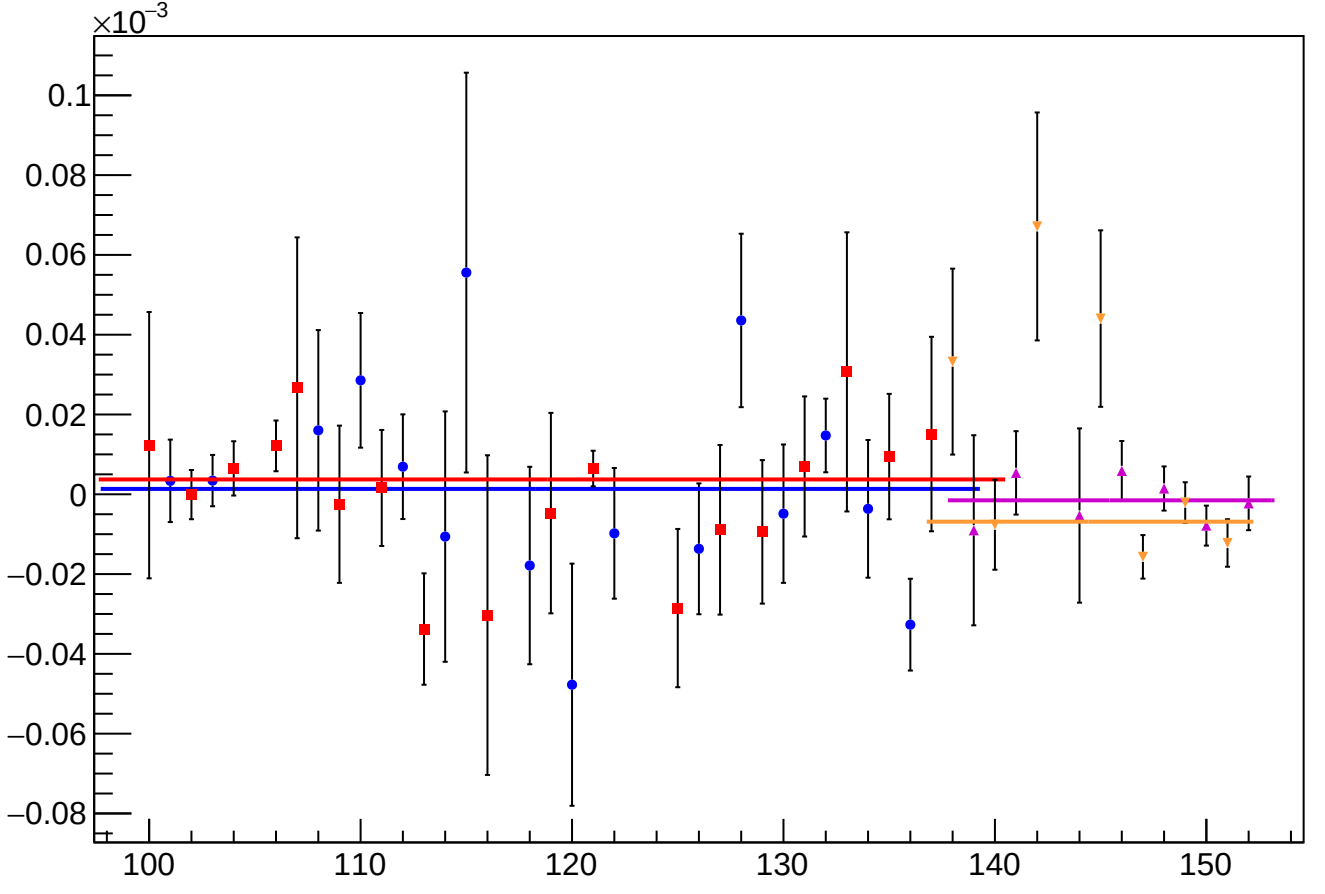
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.555+/-0.096 χ^2/NDF:525866.4/6

+ sign 160.634+/-0.036 χ^2/NDF: 4303931.7/22

All: 157.760+/-0.025 χ^2/NDF: 9259559.3/47

- sign 155.122+/-0.035 χ^2/NDF: 4943510.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/6

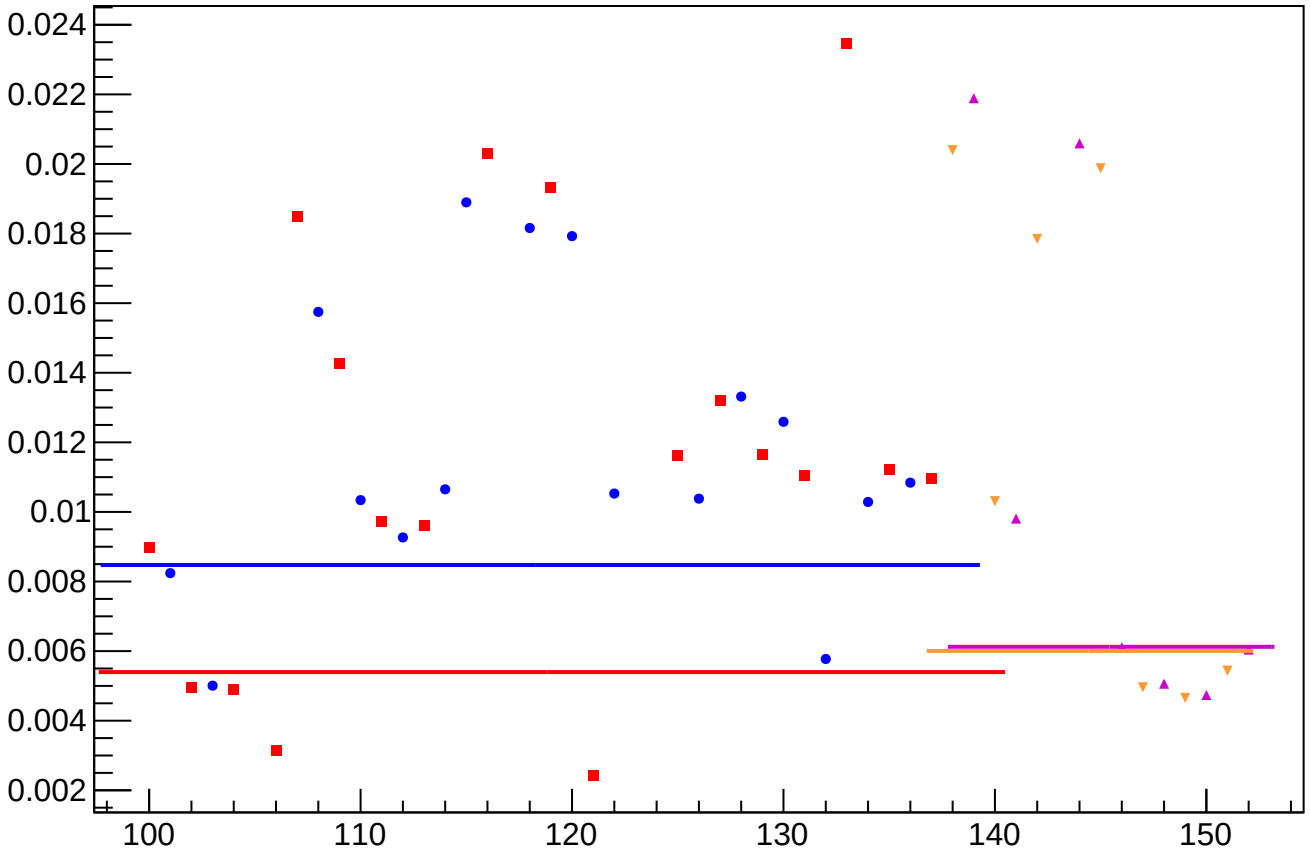
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:3.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 46.5/22

All: -0.000+/-0.000 χ^2/NDF: 70.2/47

- sign 0.000+/-0.000 χ^2/NDF: 21.1/24



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:2416854.0/6

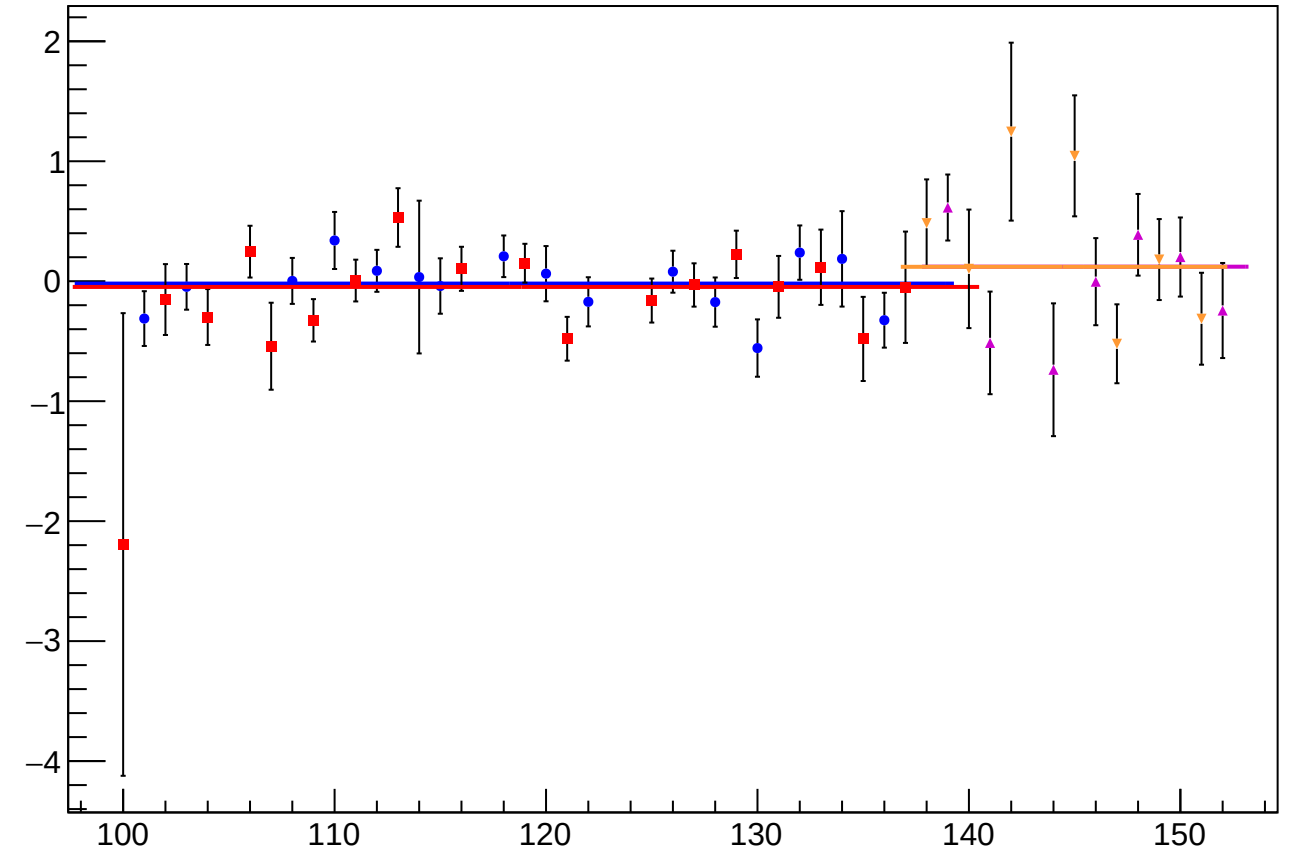
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.006+/-0.000 χ^2/NDF:2228812.2/6

+ sign 0.007+/-0.000 χ^2/NDF: 4931919.6/22

All: 0.006+/-0.000 χ^2/NDF: 12559194.0/47

- sign 0.006+/-0.000 χ^2/NDF: 7211562.8/24



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.120+/-0.154 χ^2/NDF:11.8/6

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

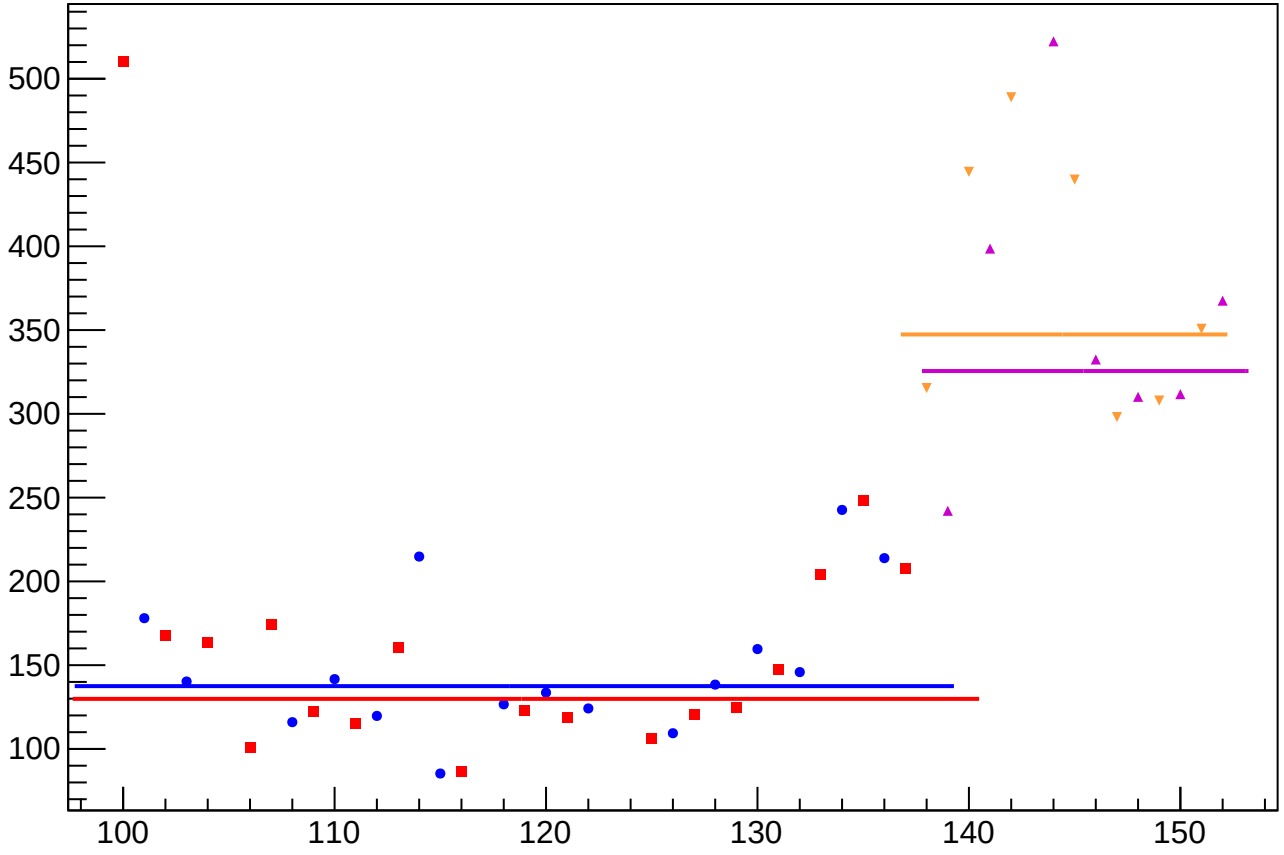
Left In: 0.121+/-0.136 χ^2/NDF:9.5/6

+ sign -0.004+/-0.051 χ^2/NDF: 28.5/22

All: -0.016+/-0.035 χ^2/NDF: 65.7/47

- sign -0.026+/-0.049 χ^2/NDF: 37.1/24

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: 347.375+/-0.109 χ^2/NDF:304981.4/6

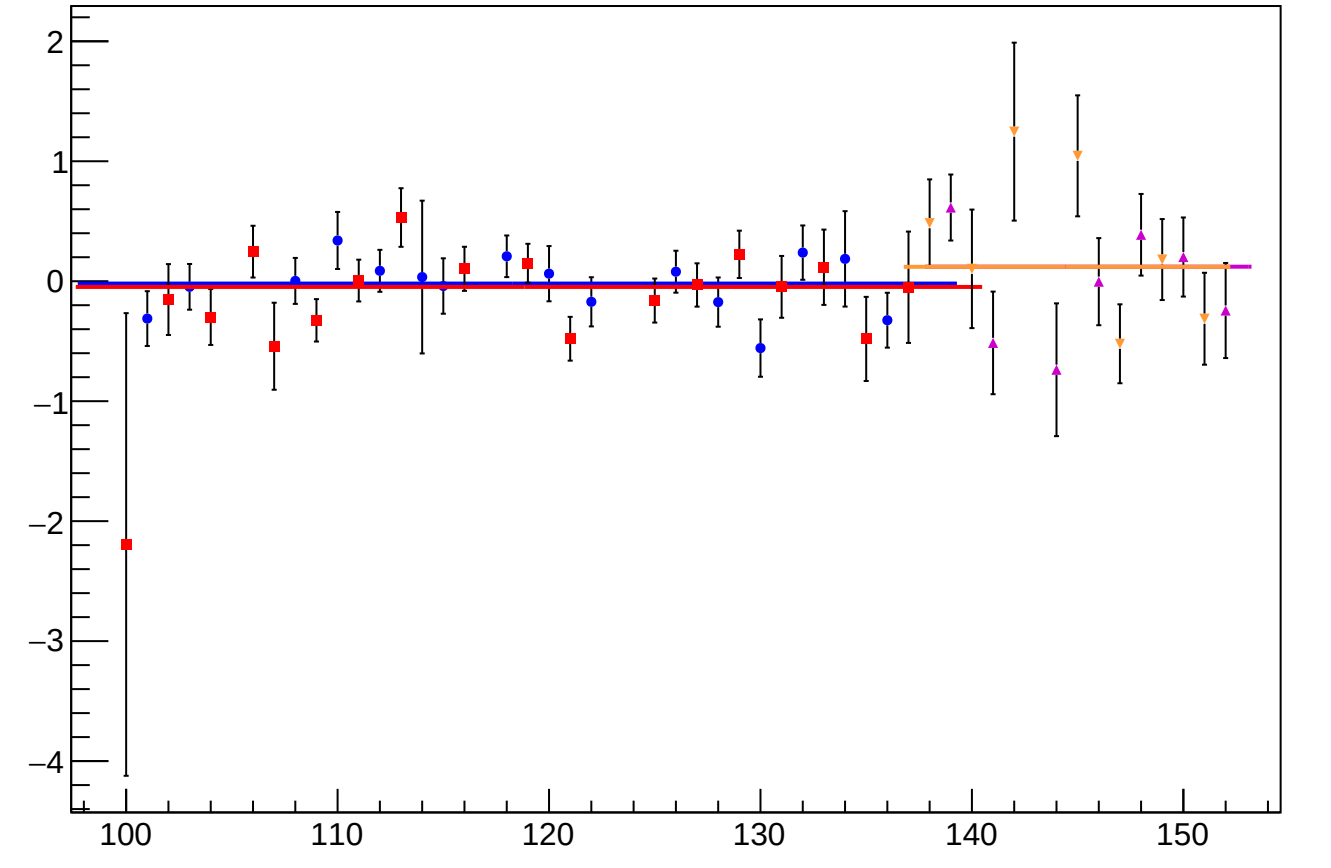
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.560+/-0.096 χ^2/NDF:525848.7/6

+ sign 160.634+/-0.036 χ^2/NDF: 4303970.2/22

All: 157.760+/-0.025 χ^2/NDF: 9259615.6/47

- sign 155.122+/-0.035 χ^2/NDF: 4943528.6/24



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.120+/-0.154 χ^2/NDF:11.8/6

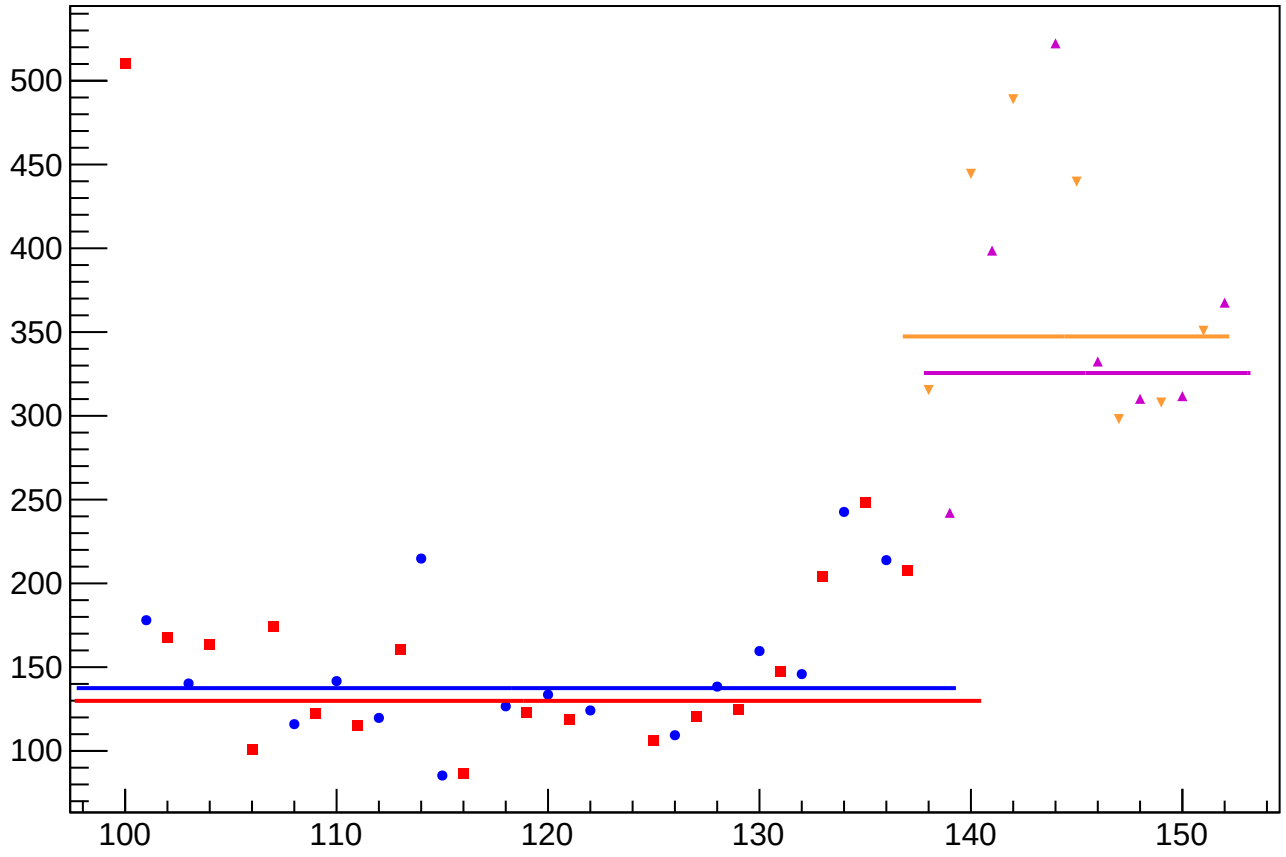
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.121+/-0.136 χ^2/NDF:9.5/6

+ sign -0.004+/-0.051 χ^2/NDF: 28.5/22

All: -0.016+/-0.035 χ^2/NDF: 65.7/47

- sign -0.026+/-0.049 χ^2/NDF: 37.1/24



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 347.375+/-0.109 χ^2/NDF:304981.4/6

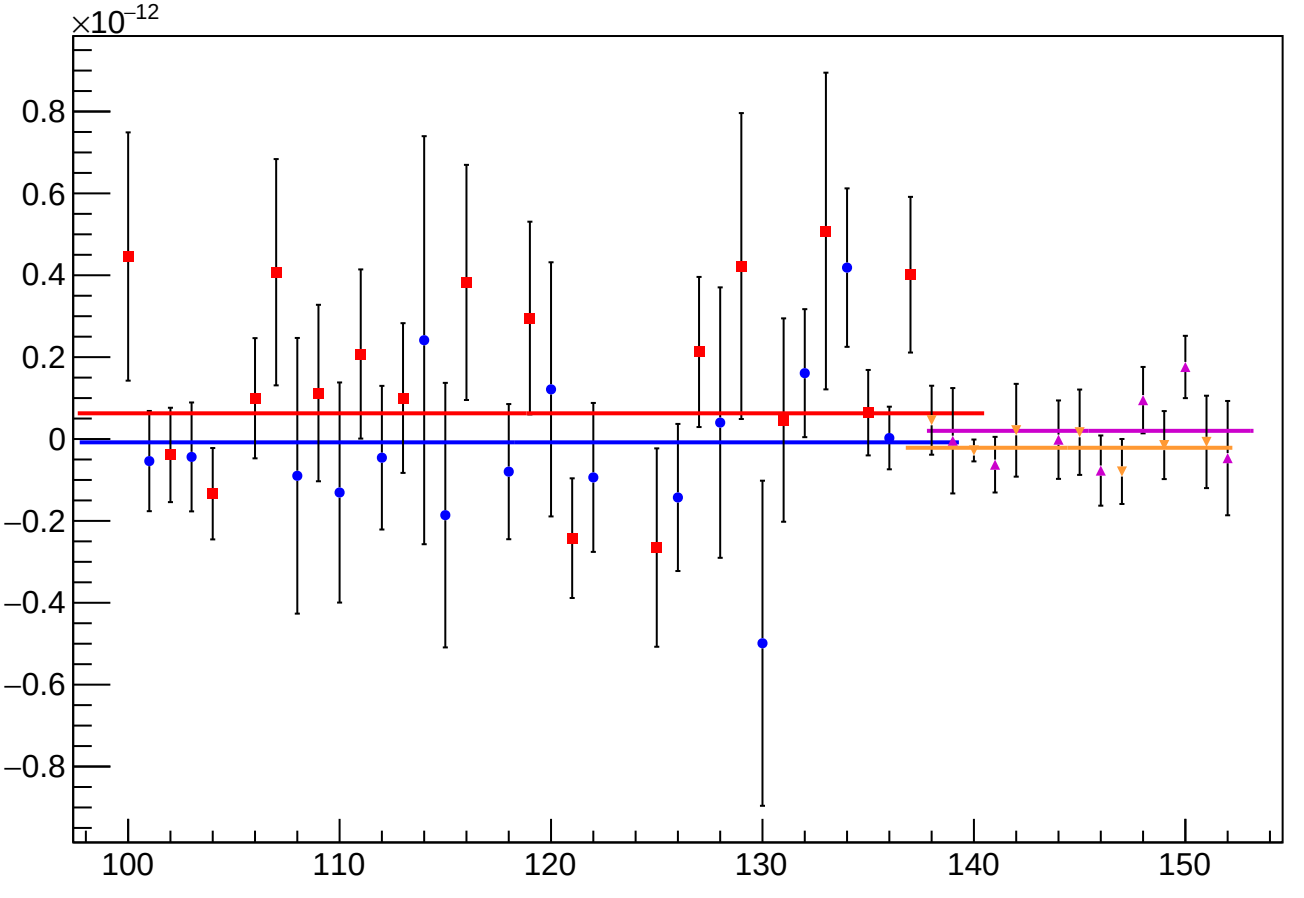
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.560+/-0.096 χ^2/NDF:525848.7/6

+ sign 160.634+/-0.036 χ^2/NDF: 4303970.2/22

All: 157.760+/-0.025 χ^2/NDF: 9259615.6/47

- sign 155.122+/-0.035 χ^2/NDF: 4943528.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/6

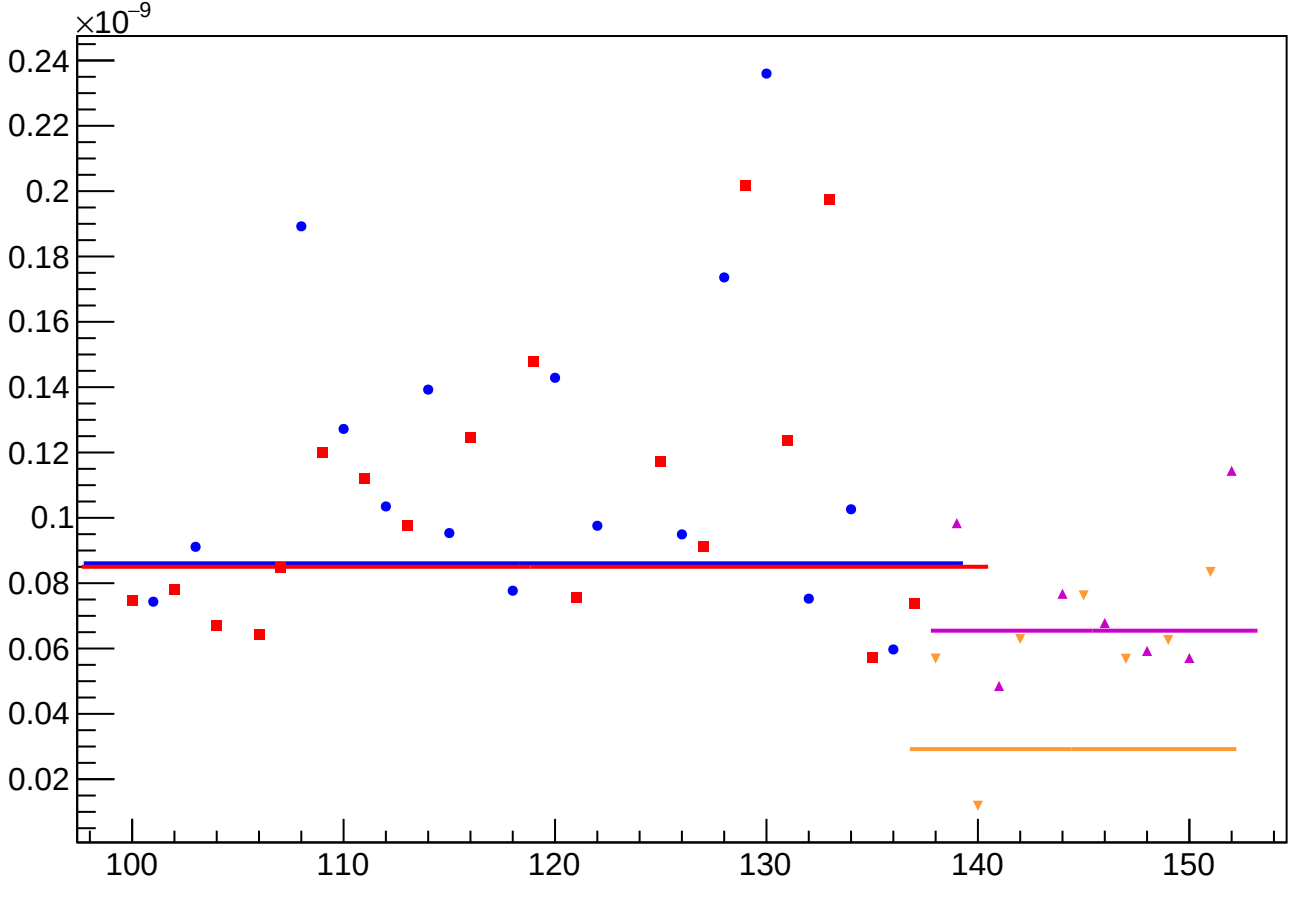
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:8.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 11.4/22

All: 0.000+/-0.000 χ^2/NDF: 45.3/47

- sign 0.000+/-0.000 χ^2/NDF: 30.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2672959.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

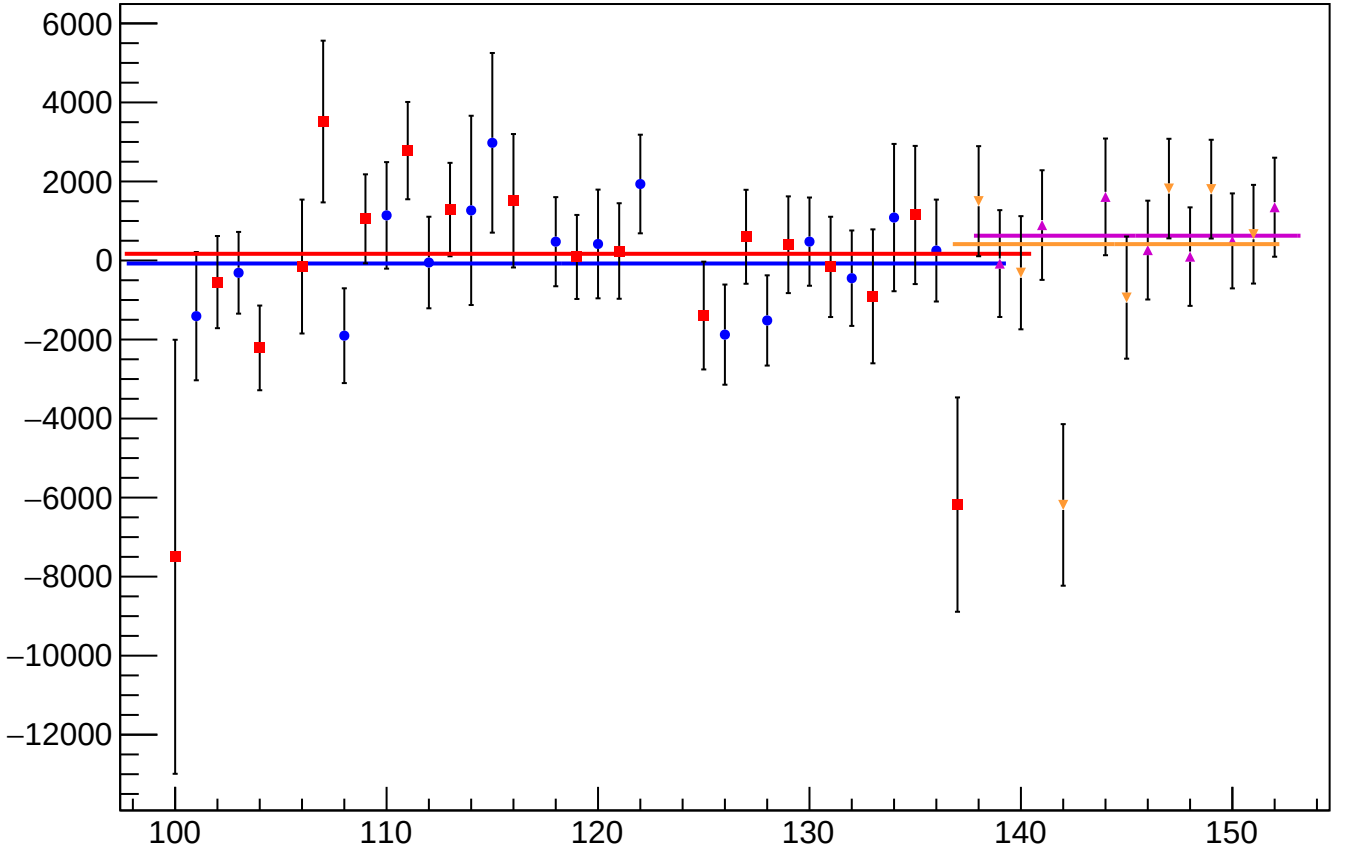
Left In: 0.000+/-0.000 χ^2/NDF:565778.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 6581011.3/22

All: 0.000+/-0.000 χ^2/NDF: 10336489.0/47

- sign 0.000+/-0.000 χ^2/NDF: 1817121.4/24

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 414.283+/-529.056 χ^2/NDF:14.6/6

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

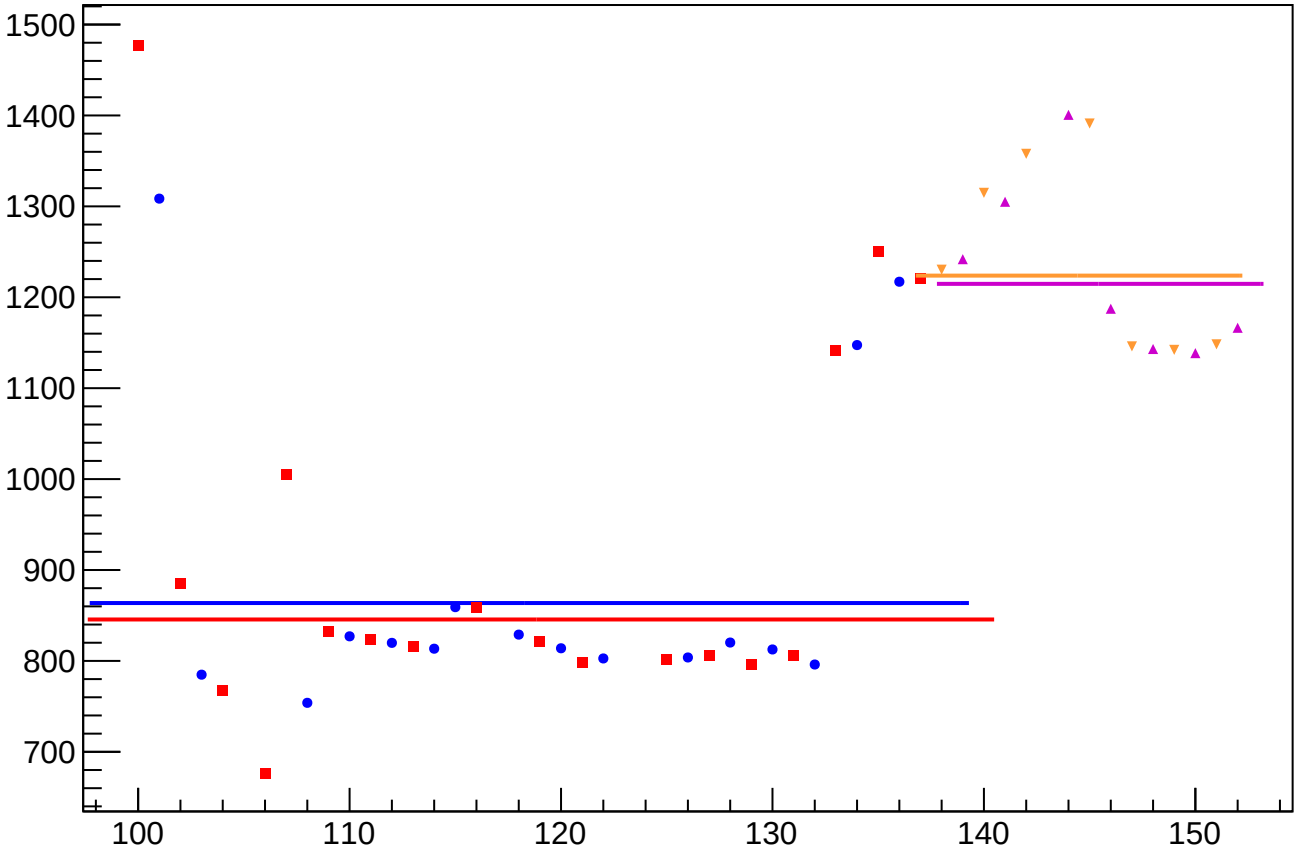
Left In: 627.343+/-491.610 χ^2/NDF:1.4/6

+ sign 59.103+/-277.680 χ^2/NDF: 28.5/22

All: 186.732+/-193.304 χ^2/NDF: 55.3/47

- sign 306.740+/-269.262 χ^2/NDF: 26.3/24

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1223.826+/-0.374 χ^2/NDF:63660.9/6

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

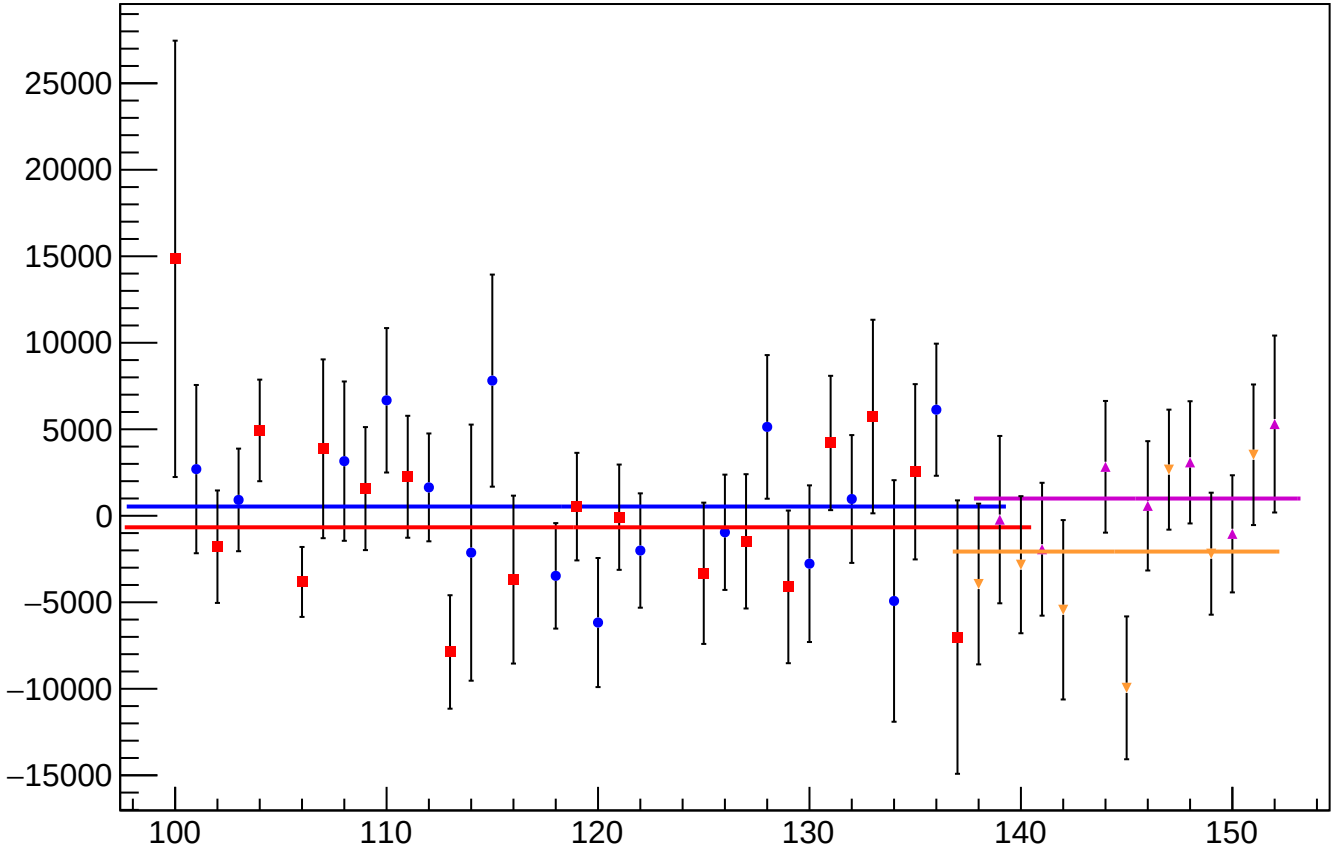
Left In: 1214.755+/-0.348 χ^2/NDF:59575.6/6

+ sign 962.879+/-0.196 χ^2/NDF: 1142714.2/22

All: 958.477+/-0.136 χ^2/NDF: 2306407.8/47

- sign 954.410+/-0.189 χ^2/NDF: 1162726.6/24

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -2068.638+/-1524.956 χ^2/NDF:8.0/6

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

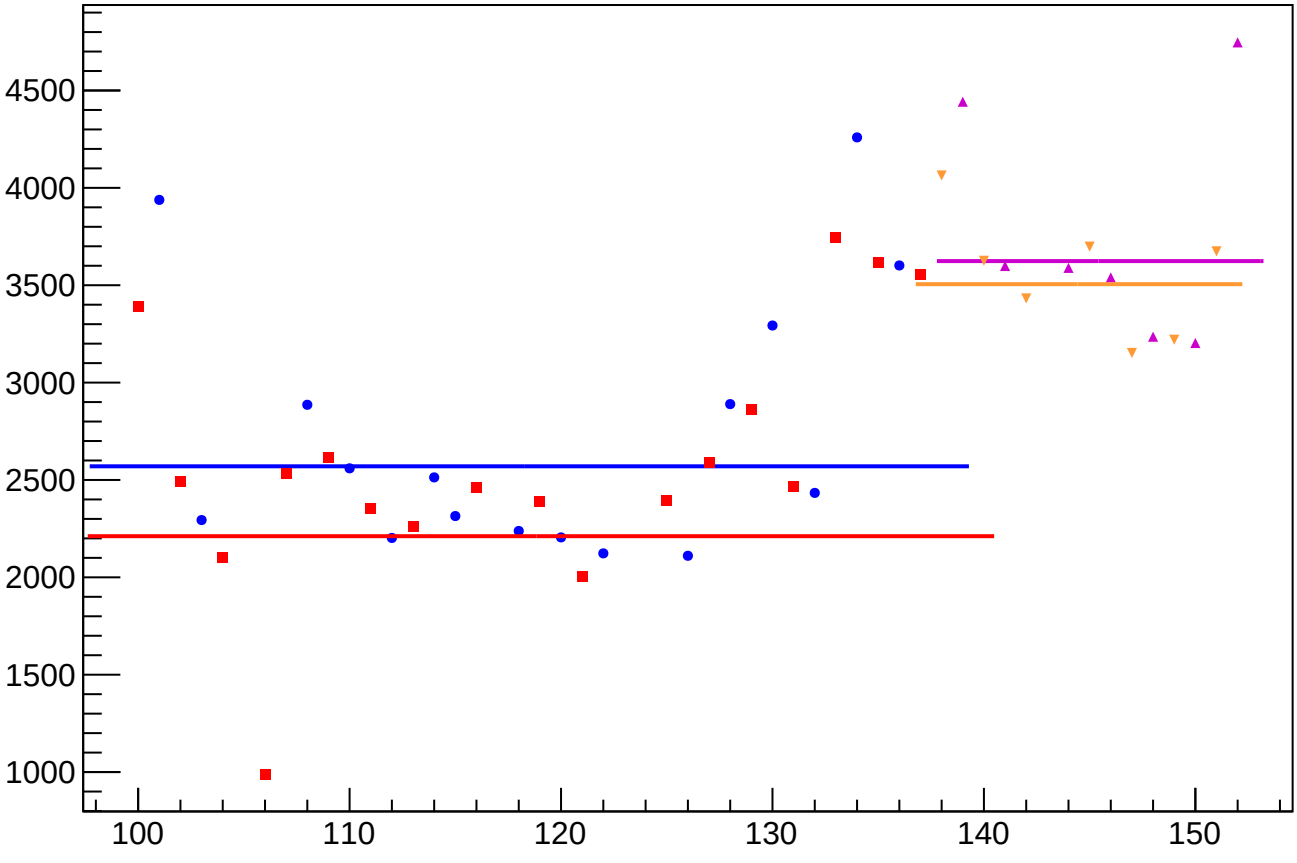
Left In: 996.642+/-1479.628 χ^2/NDF:2.3/6

\+ sign -227.758+/-825.204 χ^2/NDF: 24.7/22

All: -235.827+/-553.690 χ^2/NDF: 48.0/47

\- sign -242.435+/-746.735 χ^2/NDF: 23.2/24

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3505.457+/-1.078 χ^2/NDF:72731.9/6

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

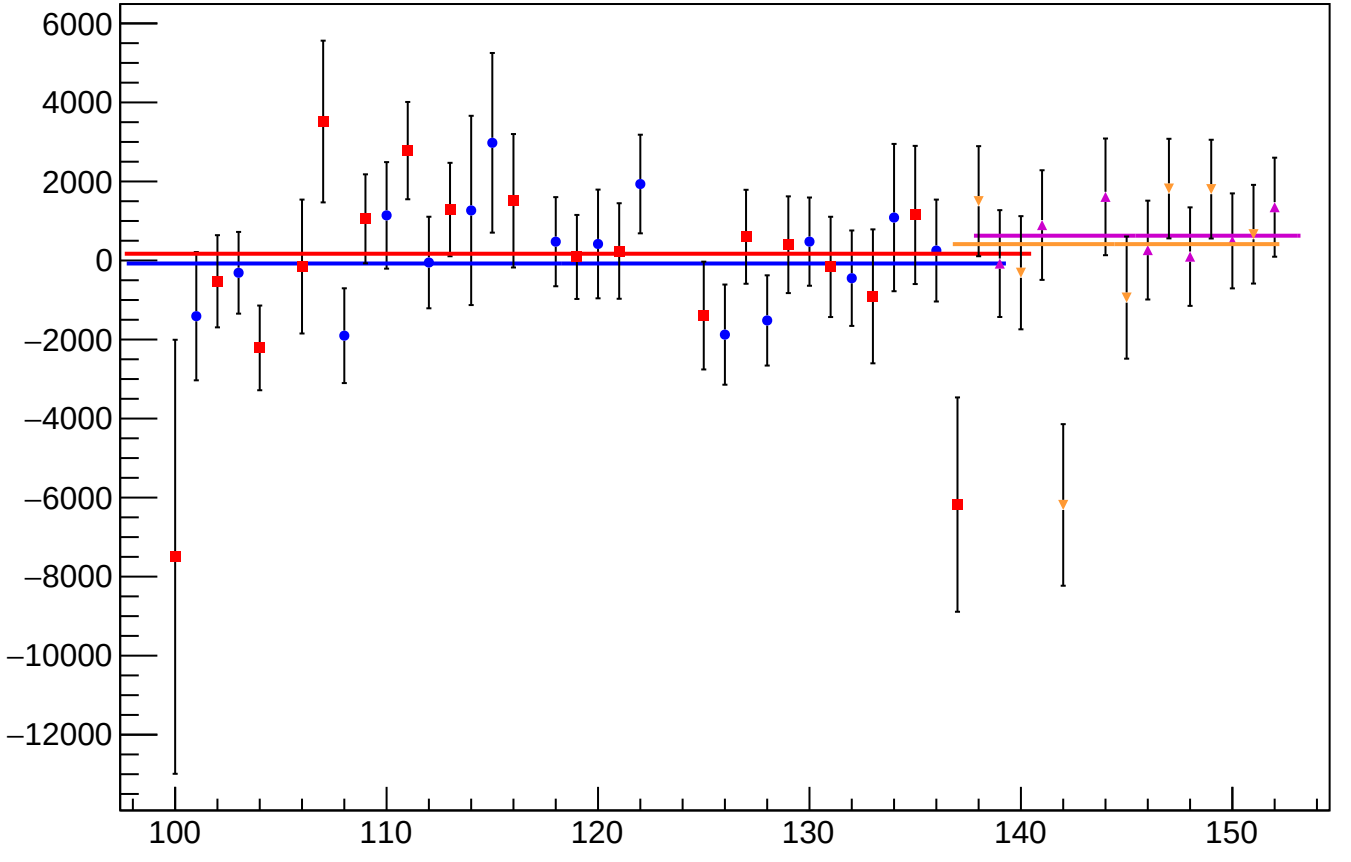
Left In: 3623.969+/-1.046 χ^2/NDF:210025.1/6

+ sign 2844.020+/-0.584 χ^2/NDF: 1267275.4/22

All: 2693.961+/-0.392 χ^2/NDF: 4220479.9/47

- sign 2571.083+/-0.528 χ^2/NDF: 2832913.9/24

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 414.246+/-529.056 χ^2/NDF:14.6/6

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

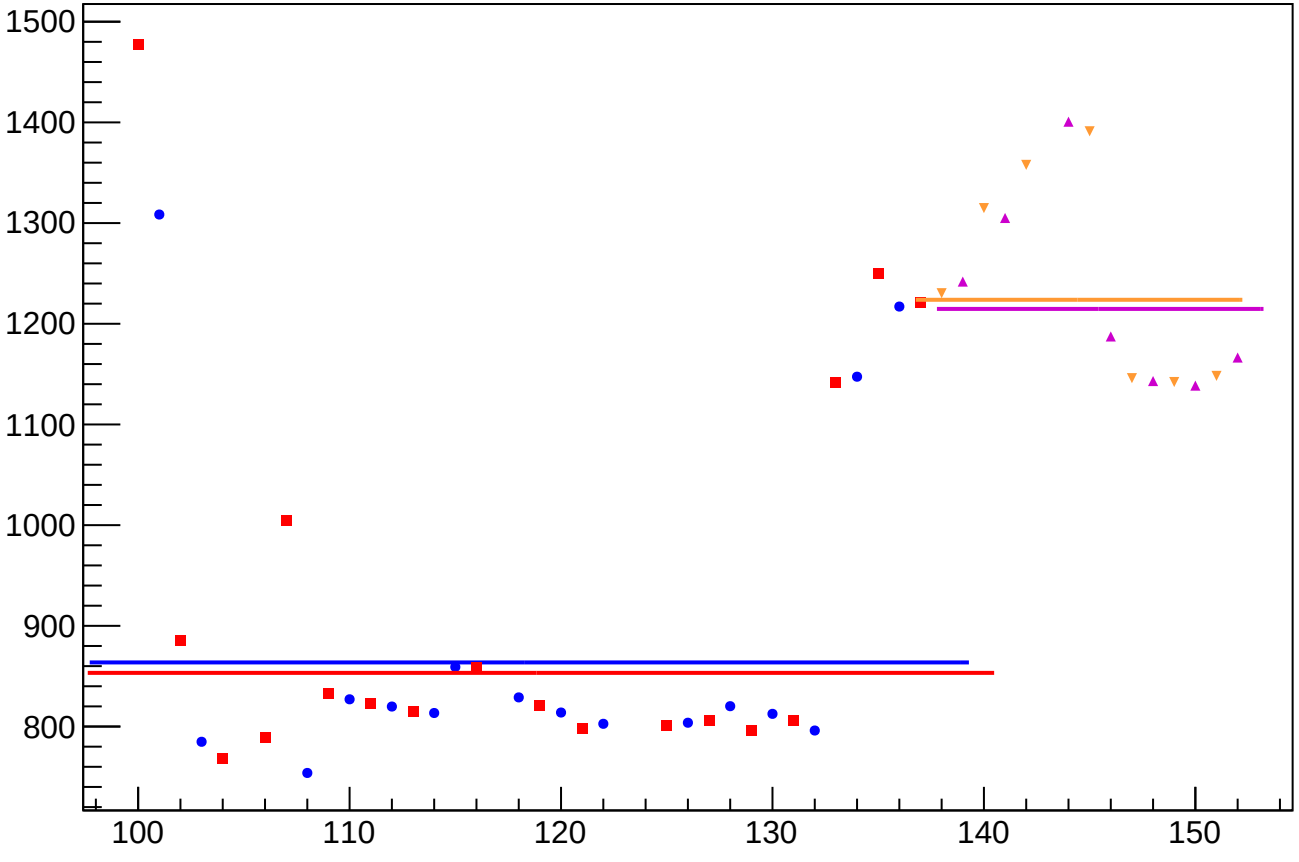
Left In: 627.400+/-491.610 χ^2/NDF:1.4/6

+ sign 59.036+/-277.680 χ^2/NDF: 28.5/22

All: 187.299+/-193.305 χ^2/NDF: 55.3/47

- sign 307.906+/-269.265 χ^2/NDF: 26.3/24

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1223.826+/-0.374 χ^2/NDF:63660.9/6

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

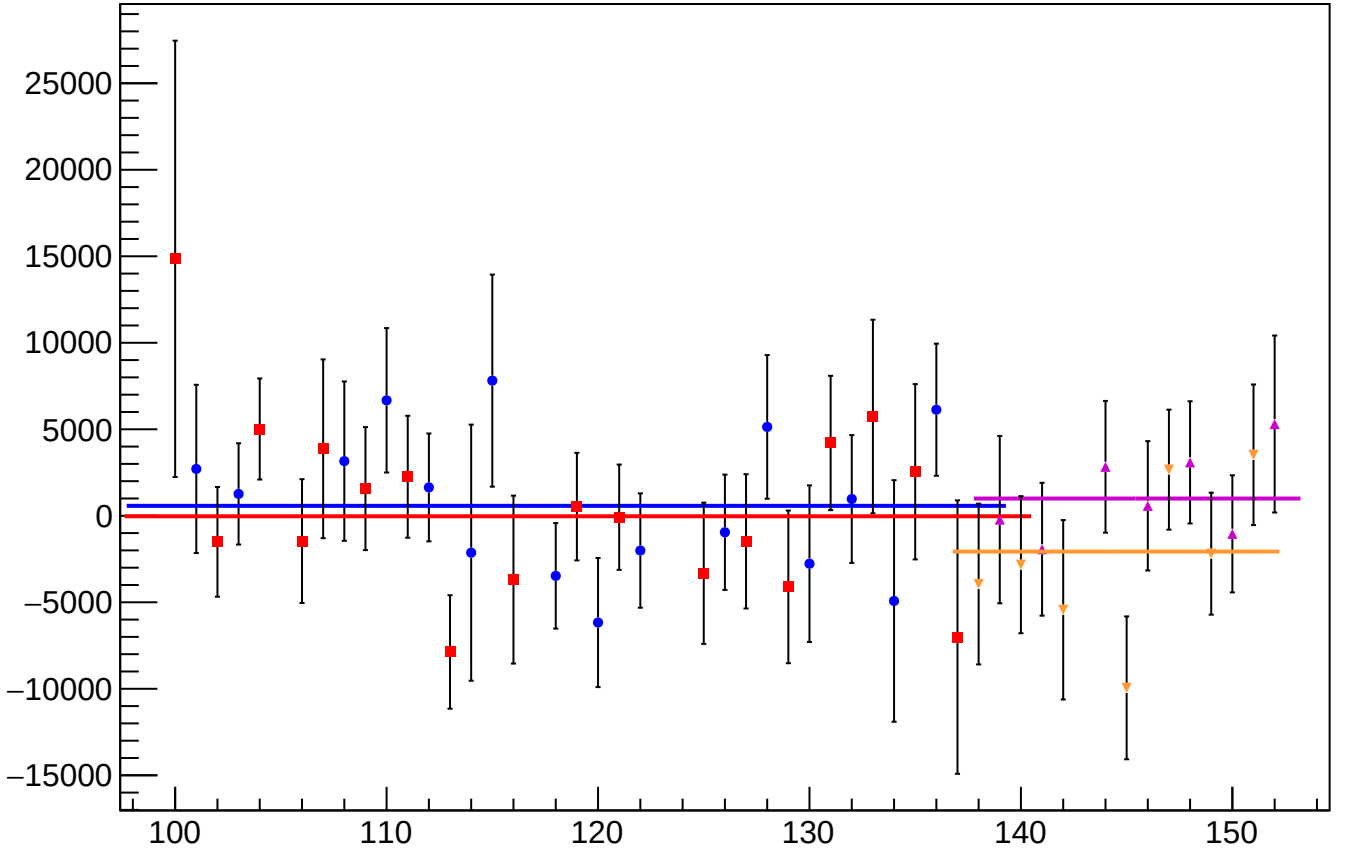
Left In: 1214.755+/-0.348 χ^2/NDF:59575.6/6

\+ sign 962.879+/-0.196 χ^2/NDF: 1142714.1/22

All: 961.878+/-0.136 χ^2/NDF: 2236916.5/47

\- sign 960.944+/-0.190 χ^2/NDF: 1094152.1/24

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -2068.696+/-1524.956 χ^2/NDF:8.0/6

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

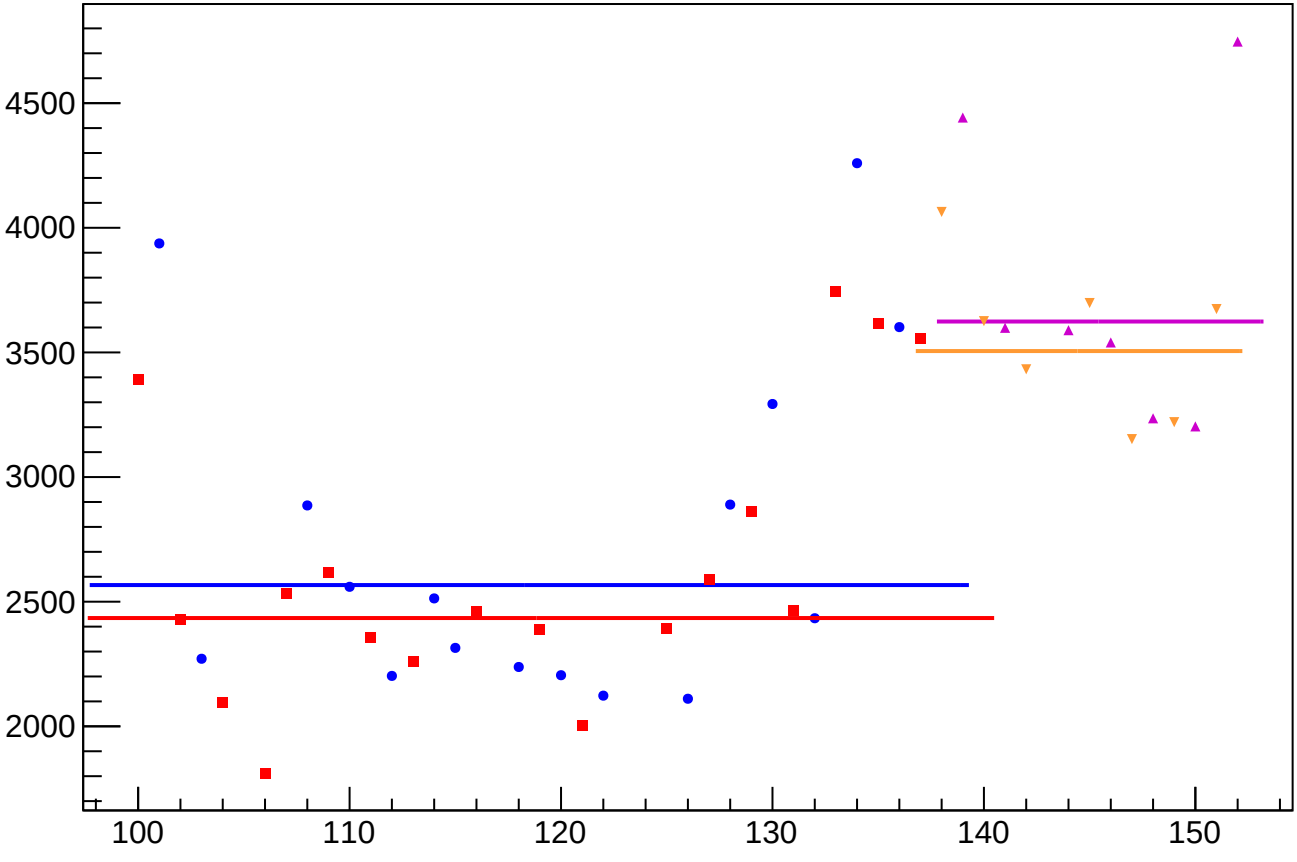
Left In: 996.670+/-1479.626 χ^2/NDF:2.3/6

+ sign -197.564+/-824.350 χ^2/NDF: 24.8/22

All: 42.160+/-567.561 χ^2/NDF: 44.9/47

- sign 258.207+/-782.581 χ^2/NDF: 19.9/24

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3505.457+/-1.078 χ^2/NDF:72731.1/6

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

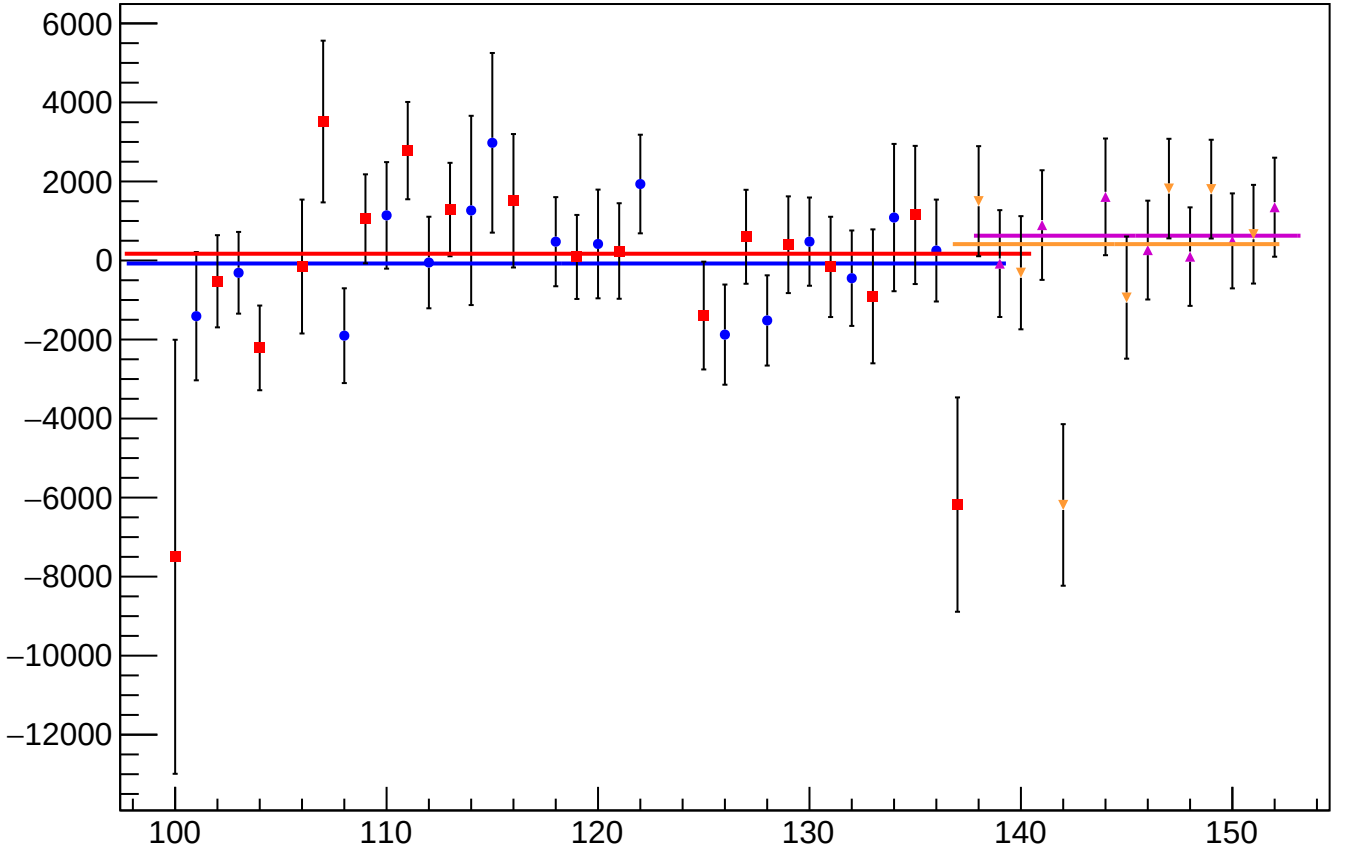
Left In: 3623.964+/-1.046 χ^2/NDF:210024.9/6

+ sign 2841.046+/-0.583 χ^2/NDF: 1275004.6/22

All: 2802.200+/-0.401 χ^2/NDF: 2858592.8/47

- sign 2767.191+/-0.553 χ^2/NDF: 1575144.6/24

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 414.246+/-529.056 χ^2/NDF:14.6/6

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

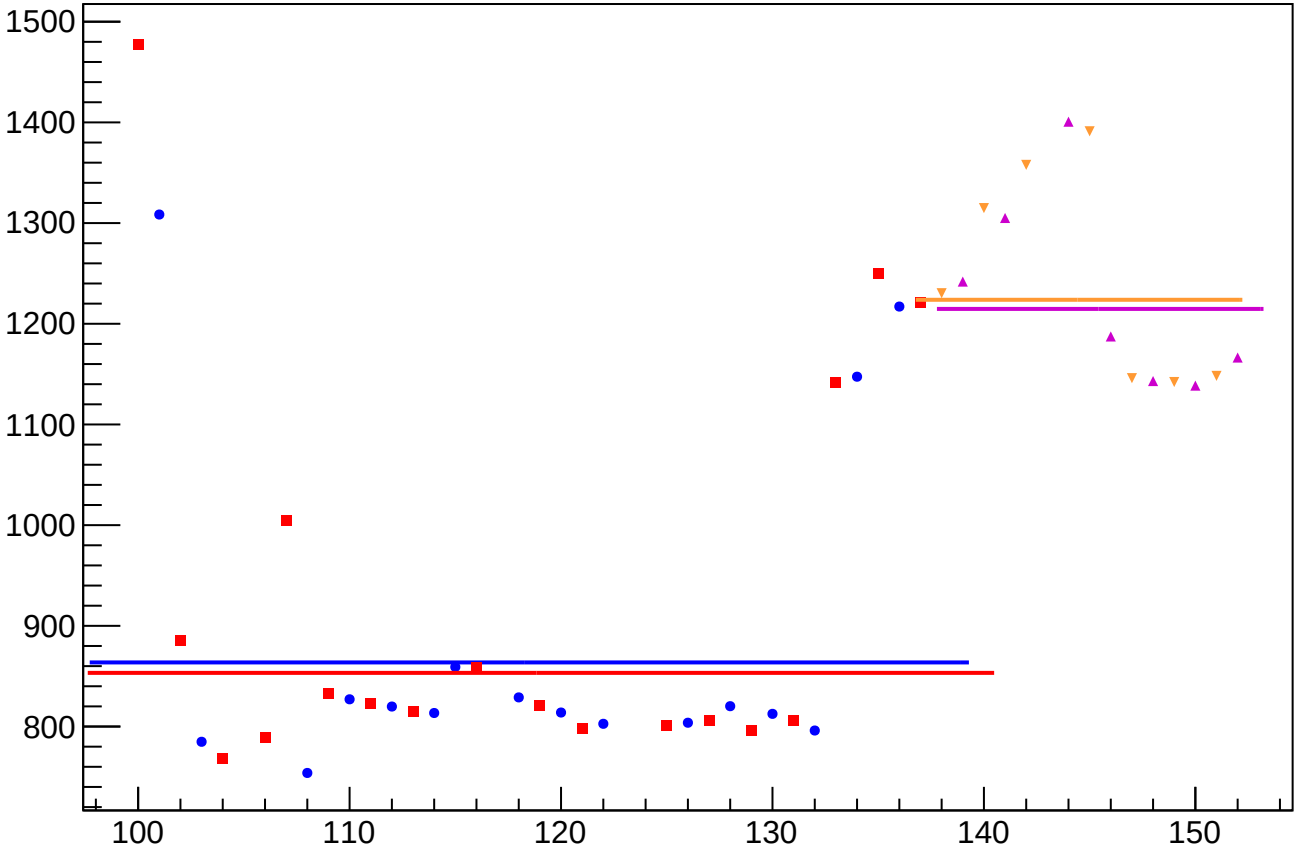
Left In: 627.400+/-491.610 χ^2/NDF:1.4/6

+ sign 59.036+/-277.680 χ^2/NDF: 28.5/22

All: 187.299+/-193.305 χ^2/NDF: 55.3/47

- sign 307.906+/-269.265 χ^2/NDF: 26.3/24

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1223.826+/-0.374 χ^2/NDF:63660.9/6

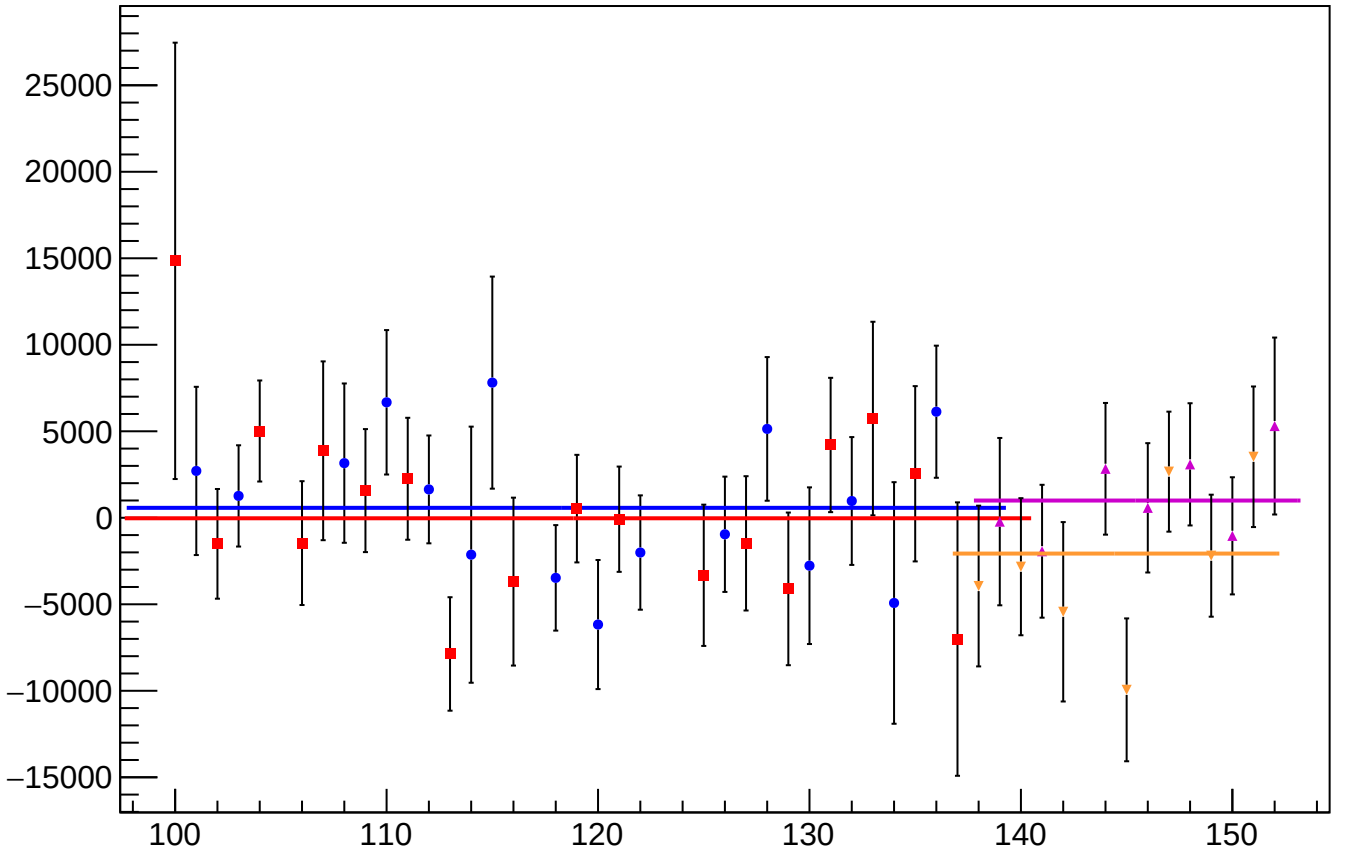
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1214.755+/-0.348 χ^2/NDF:59575.6/6

+ sign 962.879+/-0.196 χ^2/NDF: 1142714.1/22

All: 961.878+/-0.136 χ^2/NDF: 2236916.5/47

- sign 960.944+/-0.190 χ^2/NDF: 1094152.1/24



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -2068.696+/-1524.956 χ^2/NDF:8.0/6

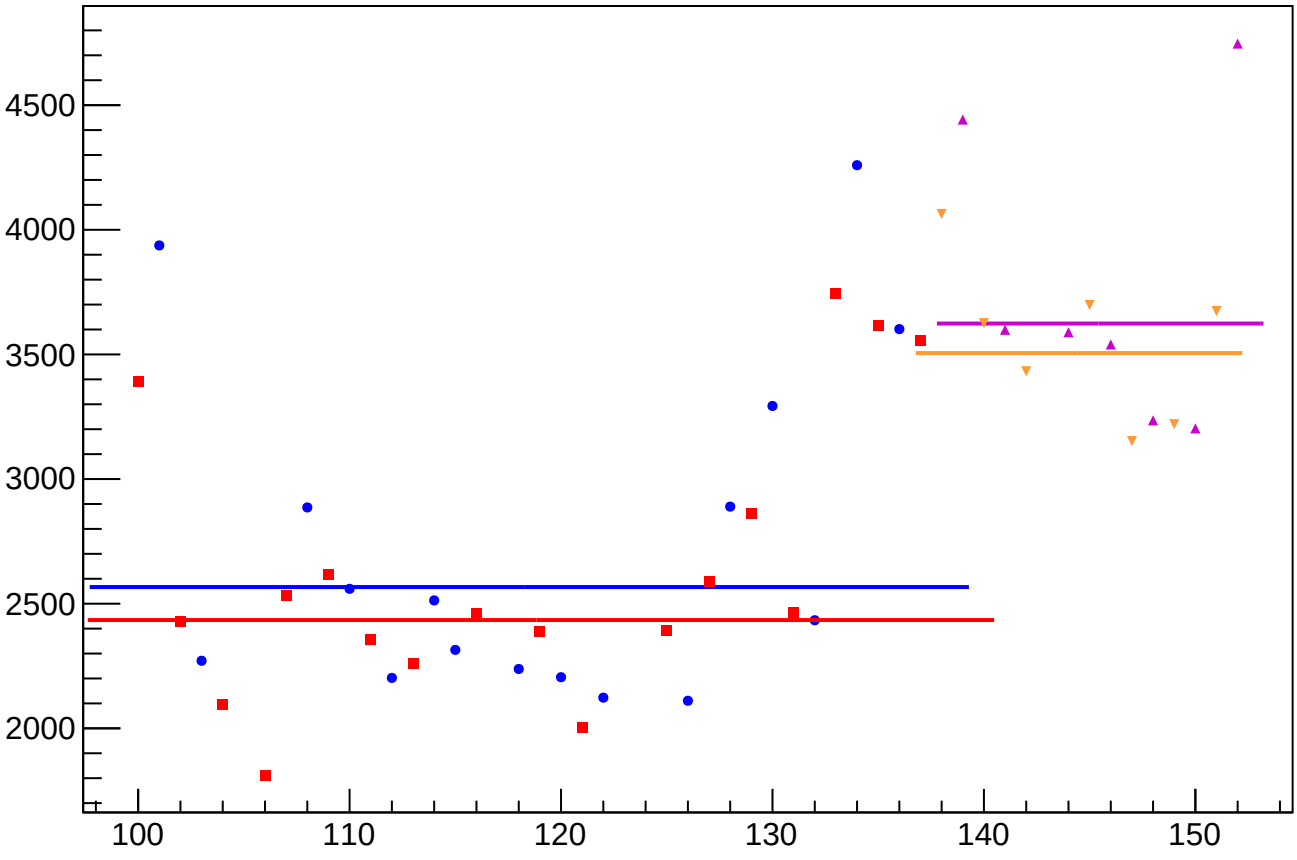
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 996.670+/-1479.626 χ^2/NDF:2.3/6

+ sign -197.564+/-824.350 χ^2/NDF: 24.8/22

All: 42.160+/-567.561 χ^2/NDF: 44.9/47

- sign 258.207+/-782.581 χ^2/NDF: 19.9/24



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3505.457+/-1.078 χ^2/NDF:72731.1/6

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

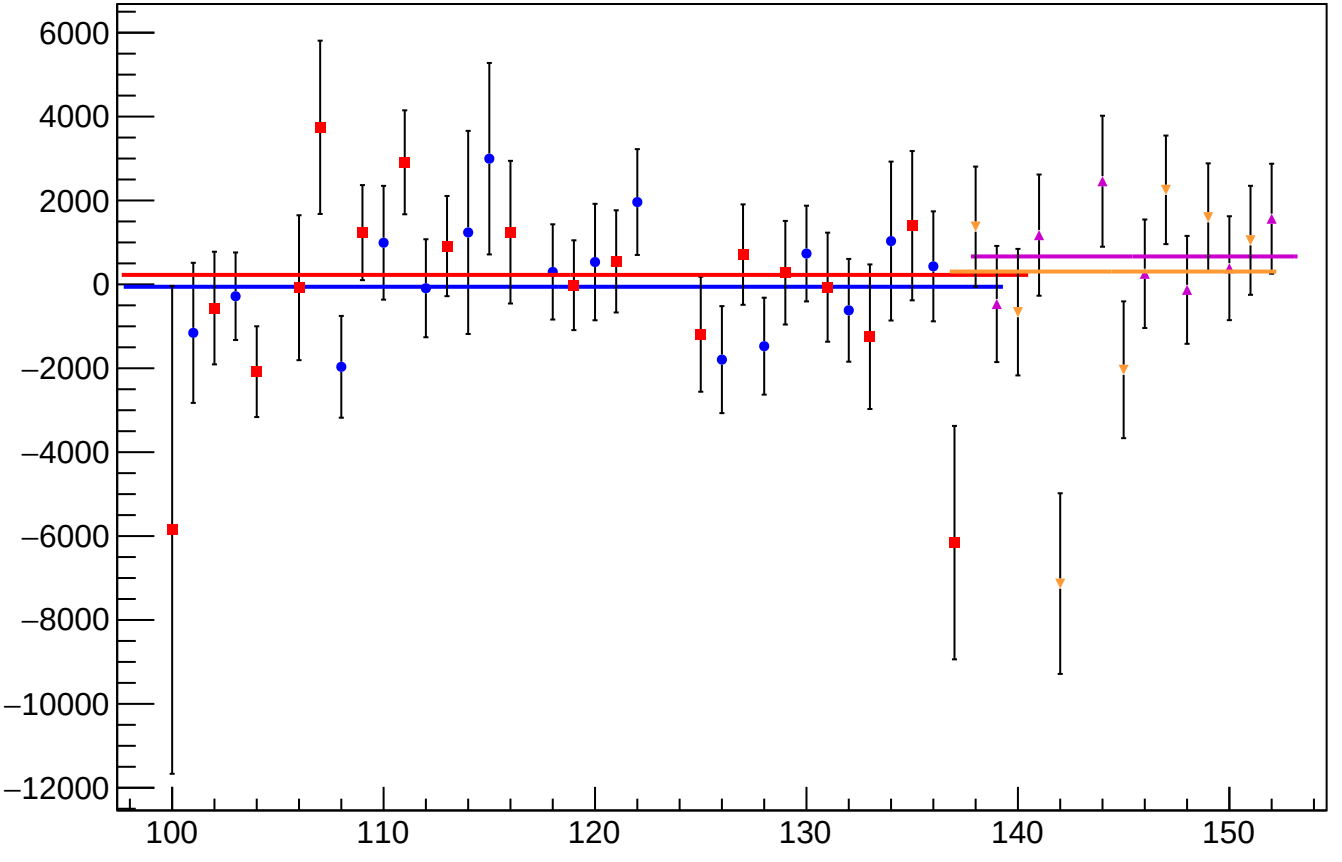
Left In: 3623.964+/-1.046 χ^2/NDF:210024.9/6

+ sign 2841.046+/-0.583 χ^2/NDF: 1275004.6/22

All: 2802.200+/-0.401 χ^2/NDF: 2858592.8/47

- sign 2767.191+/-0.553 χ^2/NDF: 1575144.6/24

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 305.951+/-549.224 χ^2/NDF:18.6/6

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

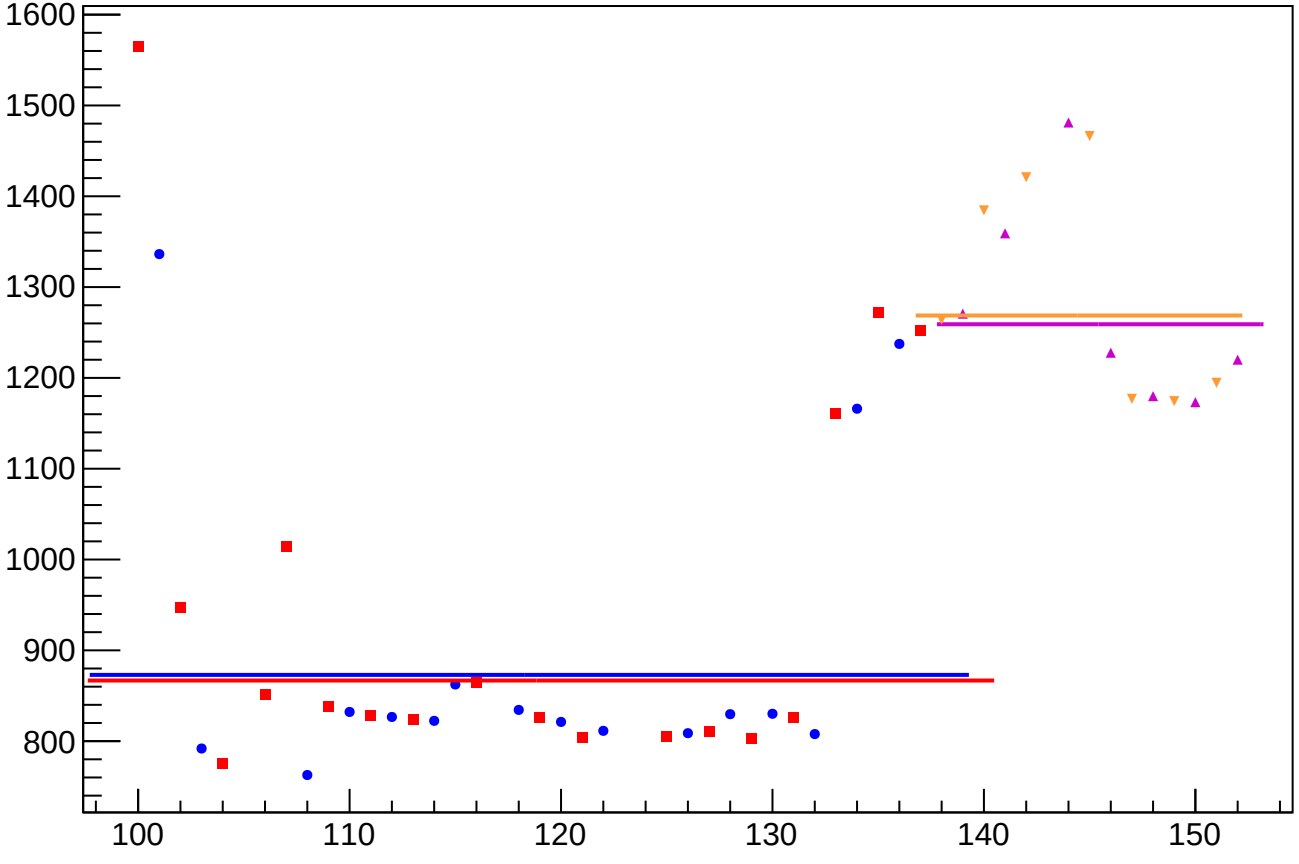
Left In: 666.022+/-509.856 χ^2/NDF:3.1/6

+ sign 39.160+/-282.922 χ^2/NDF: 31.9/22

All: 200.999+/-197.523 χ^2/NDF: 59.1/47

- sign 354.893+/-275.889 χ^2/NDF: 26.6/24

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1268.724+/-0.388 χ^2/NDF:78504.6/6

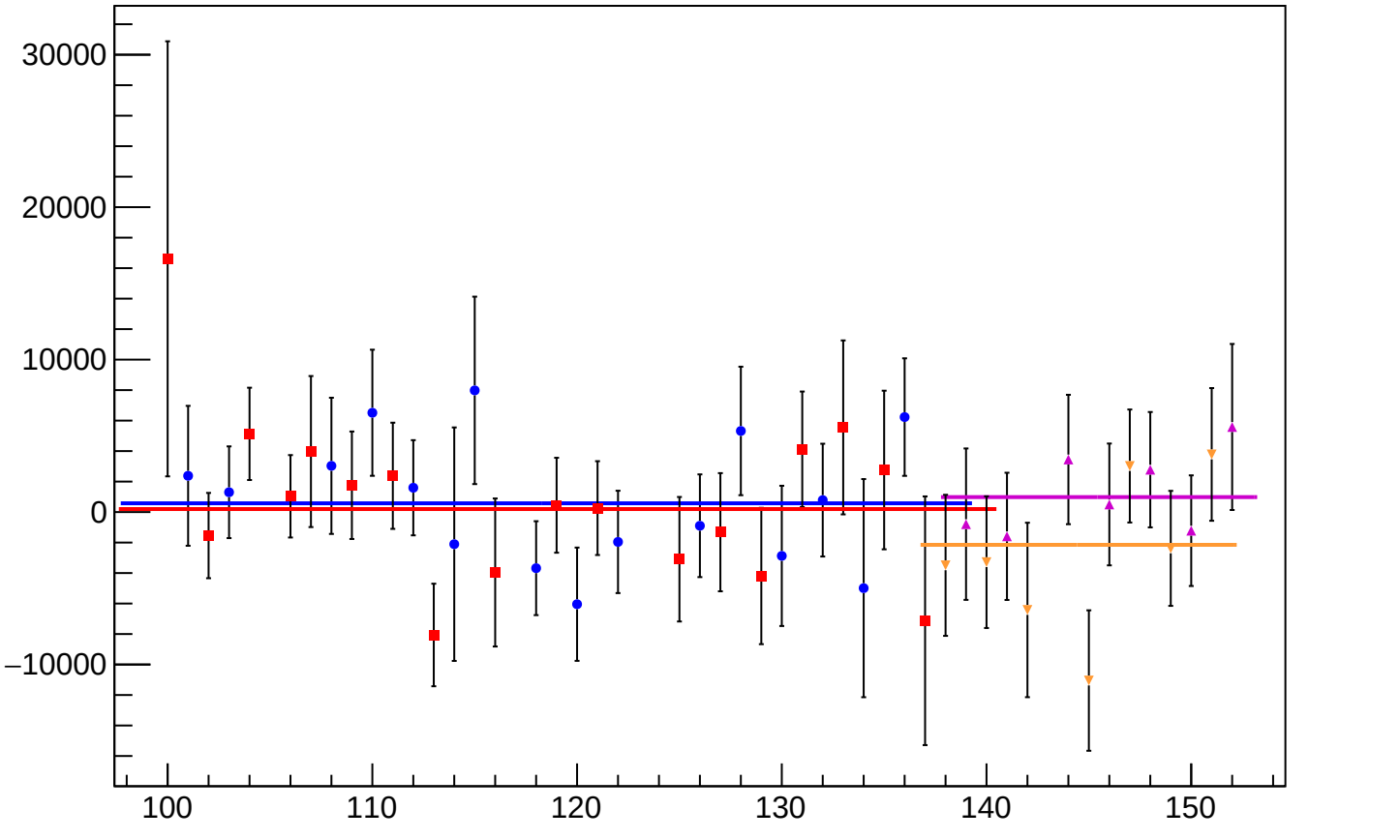
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1259.078+/-0.361 χ^2/NDF:70359.6/6

+ sign 977.988+/-0.200 χ^2/NDF: 1258480.6/22

All: 979.779+/-0.140 χ^2/NDF: 2457253.6/47

- sign 981.480+/-0.195 χ^2/NDF: 1198616.8/24



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -2149.538+/-1635.361 χ^2/NDF:8.3/6

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

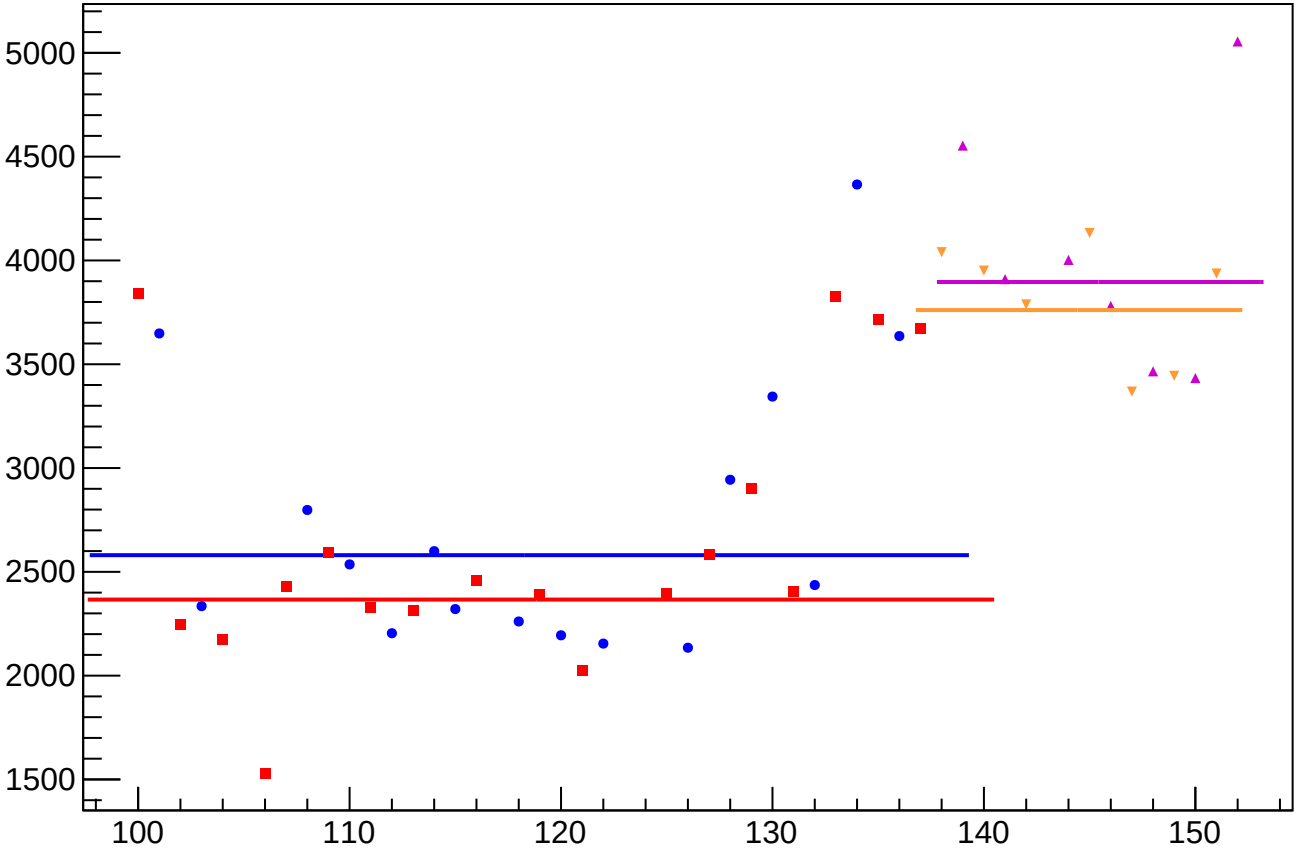
Left In: 982.793+/-1589.755 χ^2/NDF:2.2/6

\+ sign -149.970+/-843.698 χ^2/NDF: 25.0/22

All: 139.542+/-572.470 χ^2/NDF: 44.7/47

\- sign 386.557+/-779.318 χ^2/NDF: 19.5/24

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3761.017+/-1.156 χ^2/NDF:63994.9/6

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

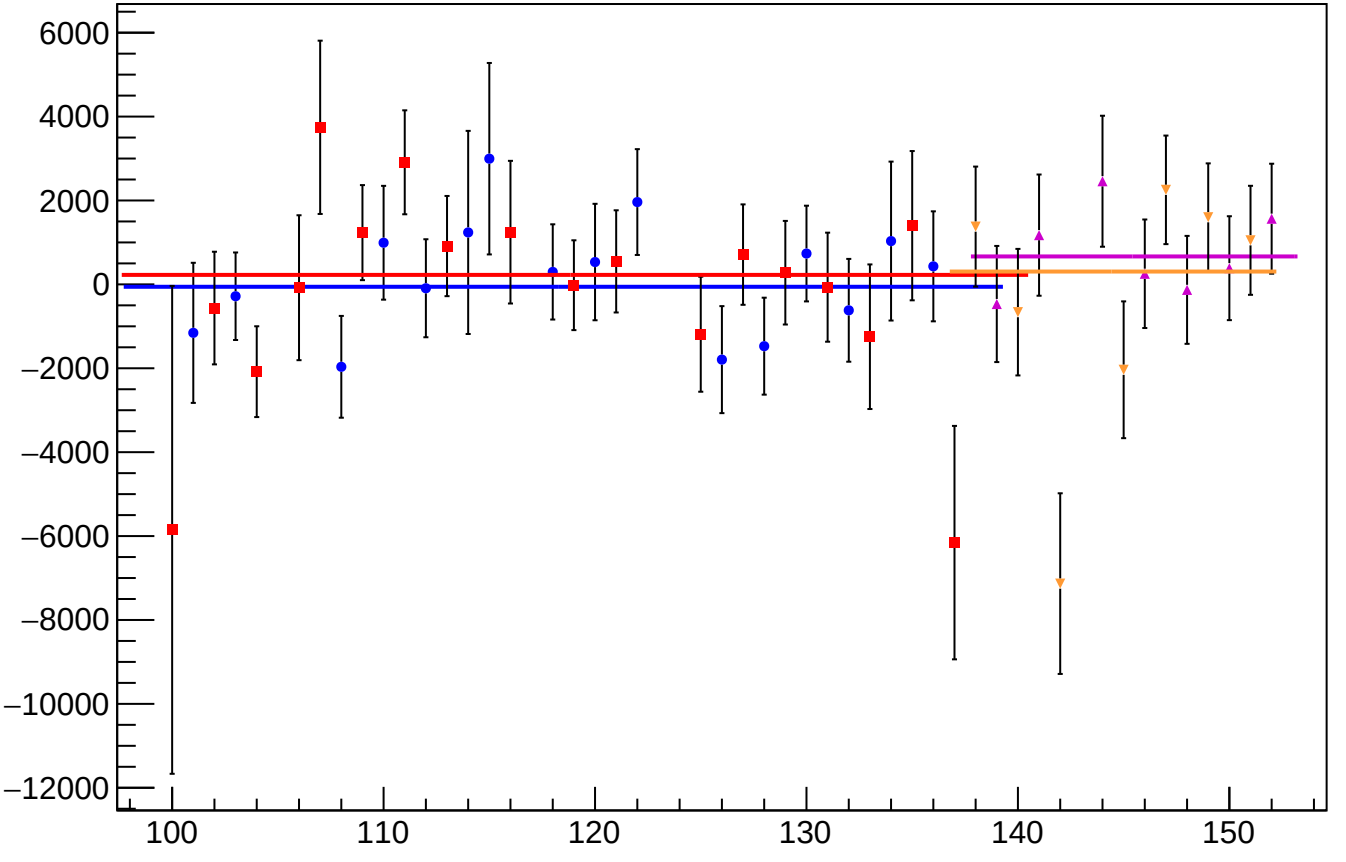
Left In: 3896.196+/-1.124 χ^2/NDF:186878.1/6

+ sign 2894.619+/-0.597 χ^2/NDF: 1446109.9/22

All: 2807.966+/-0.405 χ^2/NDF: 3690692.1/47

- sign 2734.033+/-0.551 χ^2/NDF: 2205484.8/24

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 305.946+/-549.224 χ^2/NDF:18.6/6

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

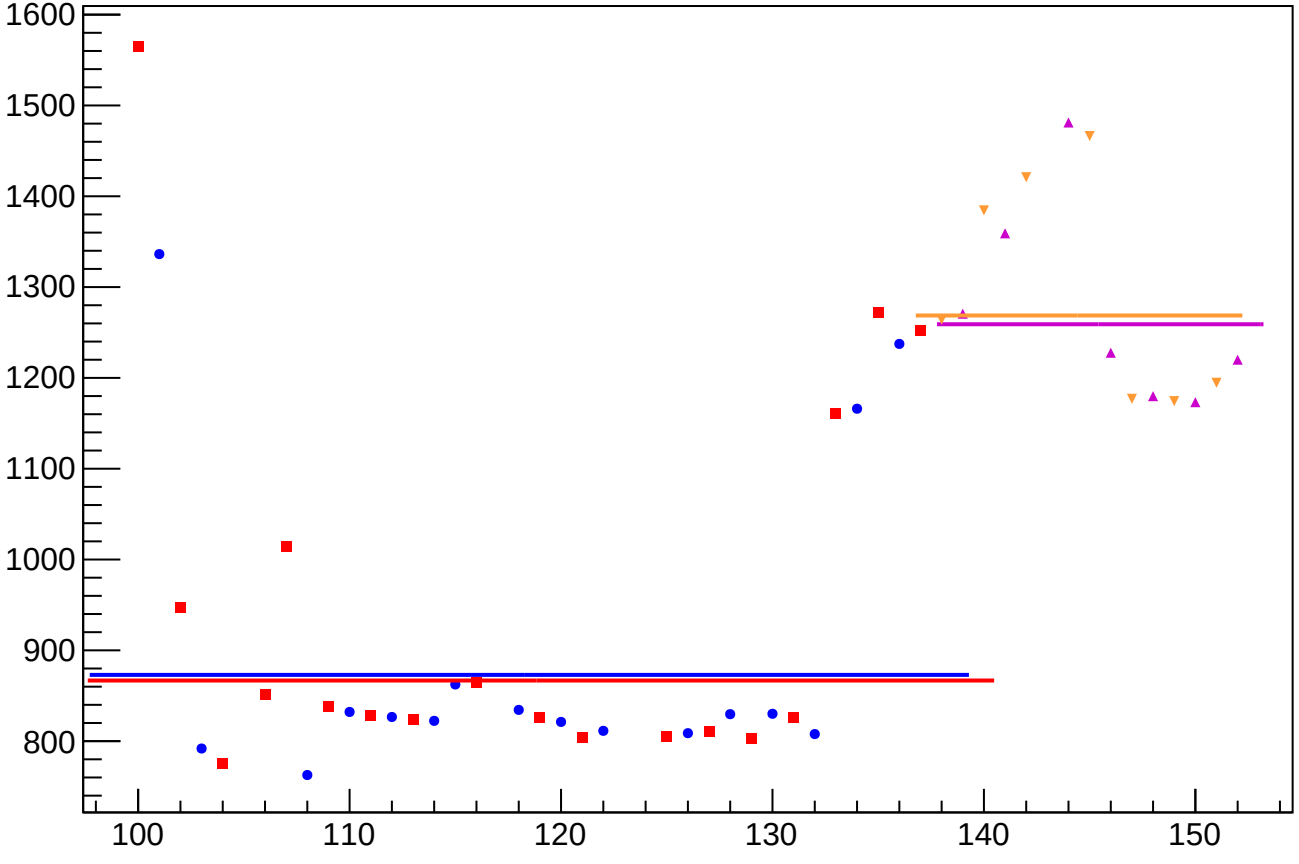
Left In: 666.023+/-509.856 χ^2/NDF:3.1/6

+ sign 39.157+/-282.922 χ^2/NDF: 31.9/22

All: 200.999+/-197.523 χ^2/NDF: 59.1/47

- sign 354.895+/-275.889 χ^2/NDF: 26.6/24

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1268.725+/-0.388 χ^2/NDF:78506.0/6

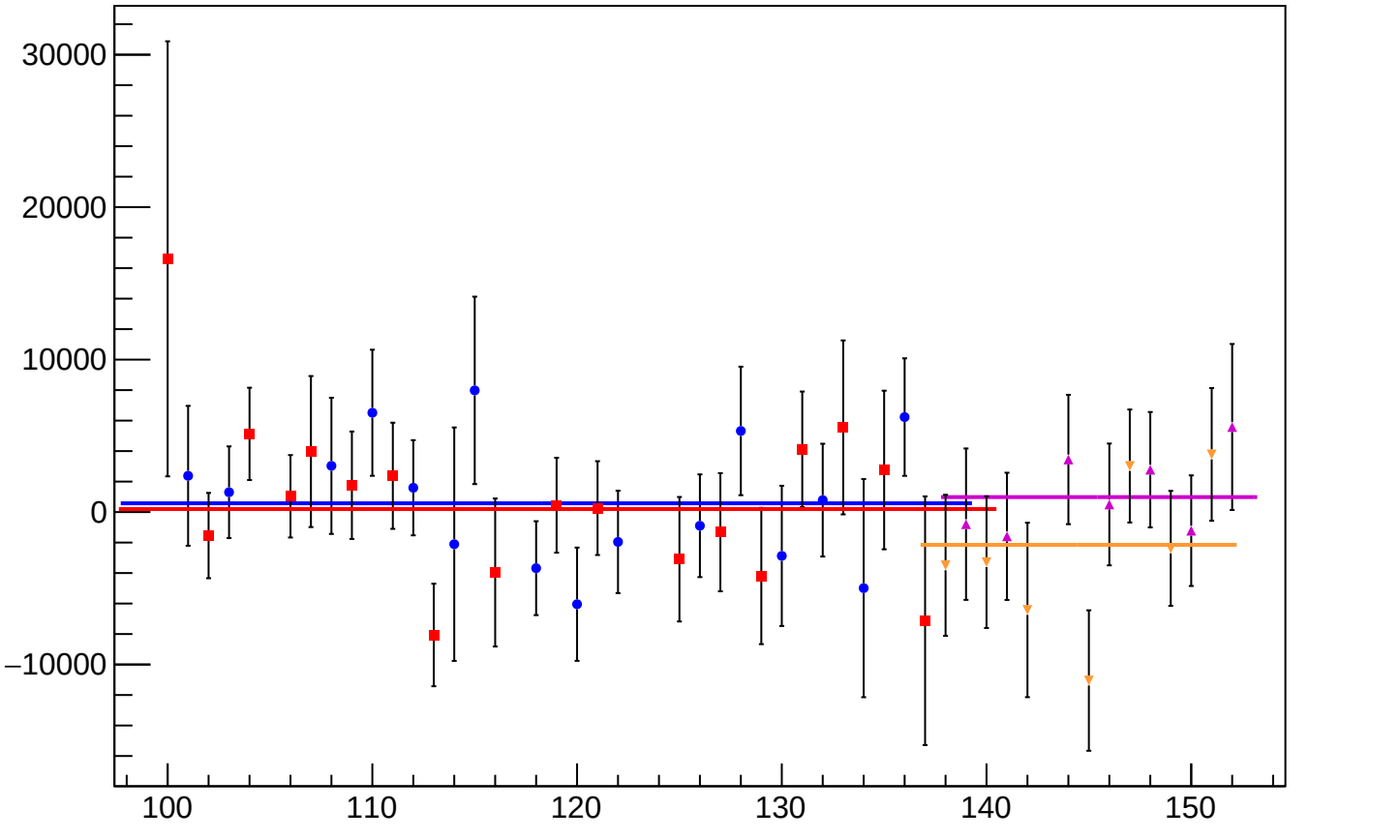
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1259.079+/-0.361 χ^2/NDF:70360.4/6

+ sign 977.989+/-0.200 χ^2/NDF: 1258483.6/22

All: 979.779+/-0.140 χ^2/NDF: 2457260.6/47

- sign 981.480+/-0.195 χ^2/NDF: 1198620.8/24



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -2149.539+/-1635.363 χ^2/NDF:8.3/6

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

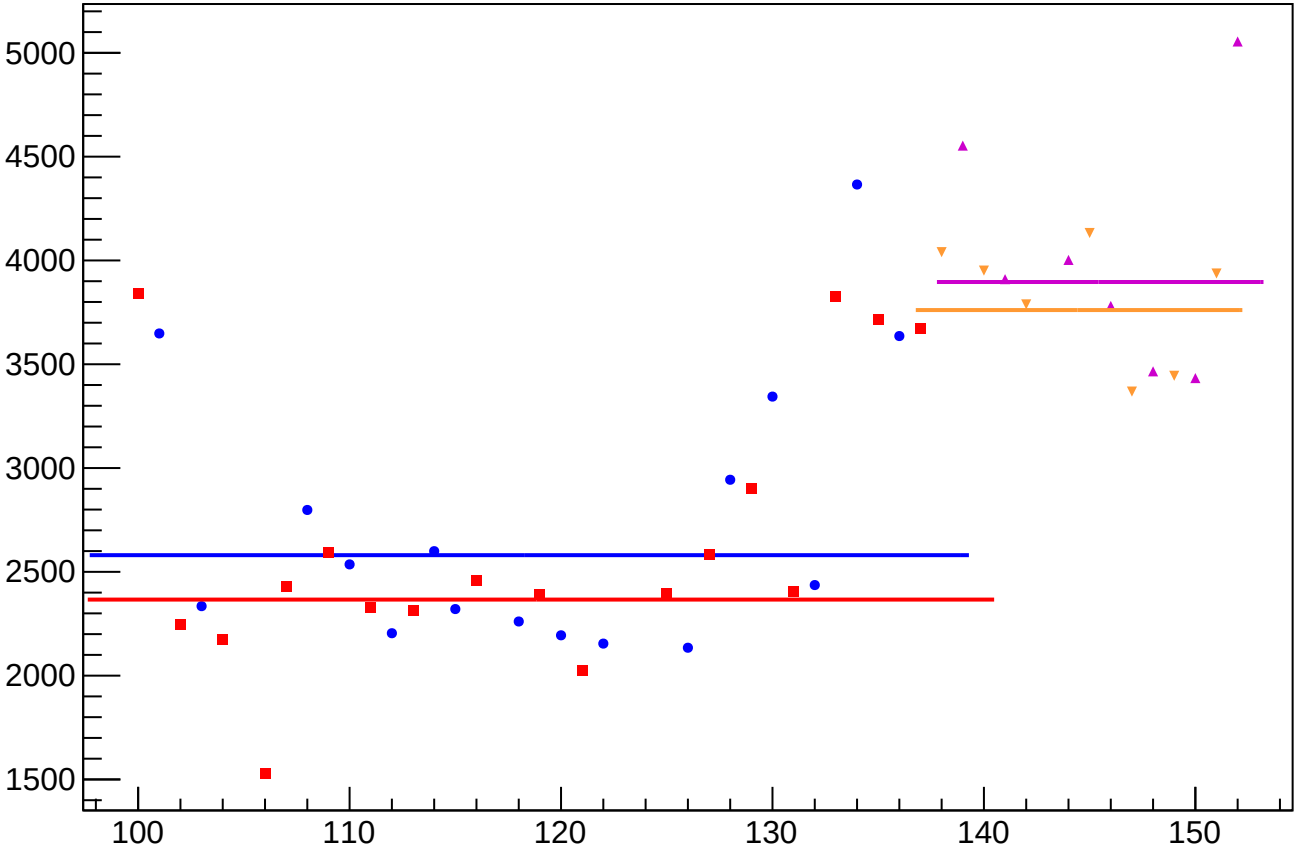
Left In: 982.793+/-1589.757 χ^2/NDF:2.2/6

\+ sign -149.969+/-843.696 χ^2/NDF: 25.0/22

All: 139.543+/-572.469 χ^2/NDF: 44.7/47

\- sign 386.557+/-779.317 χ^2/NDF: 19.5/24

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3761.022+/-1.156 χ^2/NDF:63996.9/6

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

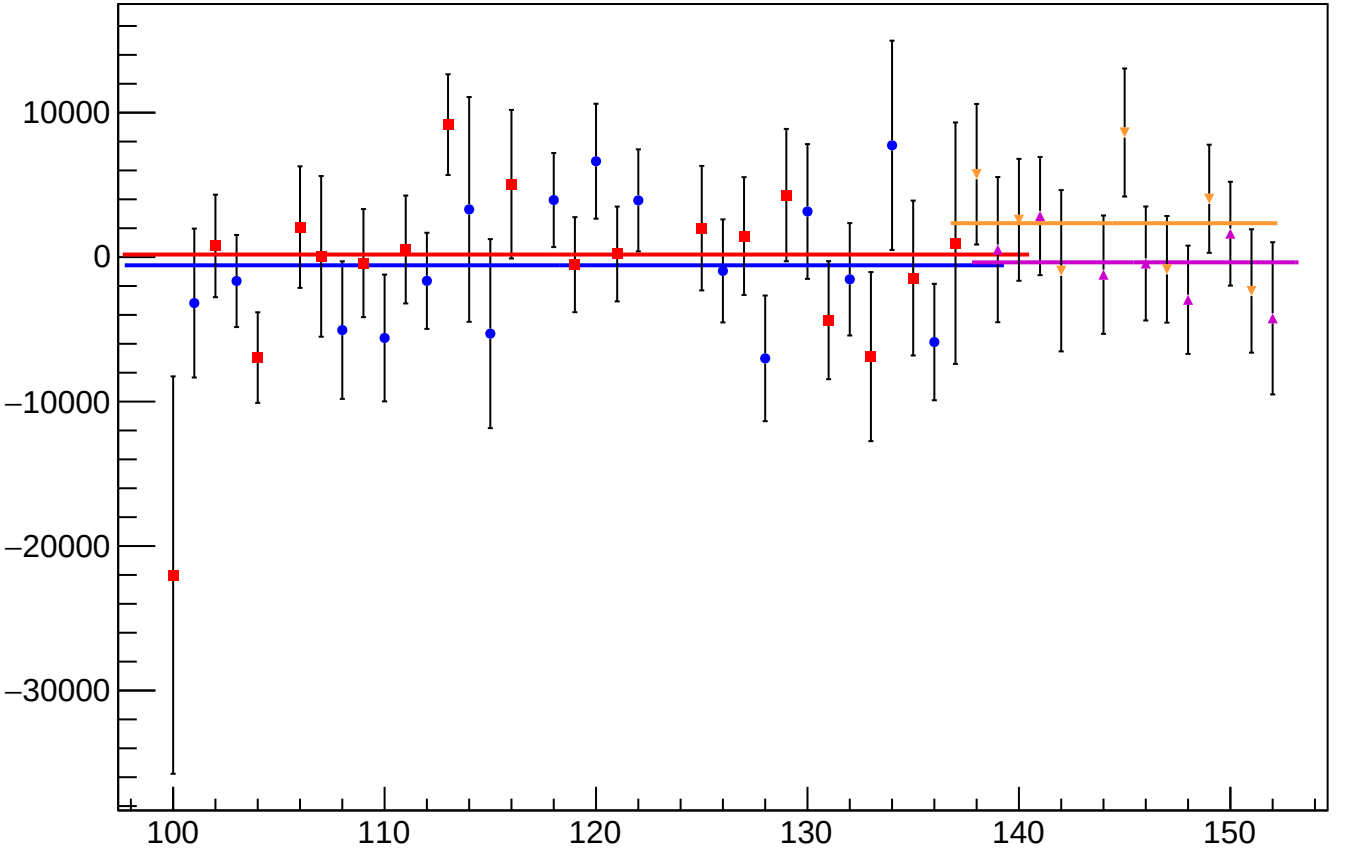
Left In: 3896.200+/-1.124 χ^2/NDF:186881.0/6

+ sign 2894.612+/-0.597 χ^2/NDF: 1446135.9/22

All: 2807.959+/-0.405 χ^2/NDF: 3690744.4/47

- sign 2734.026+/-0.551 χ^2/NDF: 2205511.2/24

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 2347.847+/-1620.082 χ^2/NDF:5.0/6

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

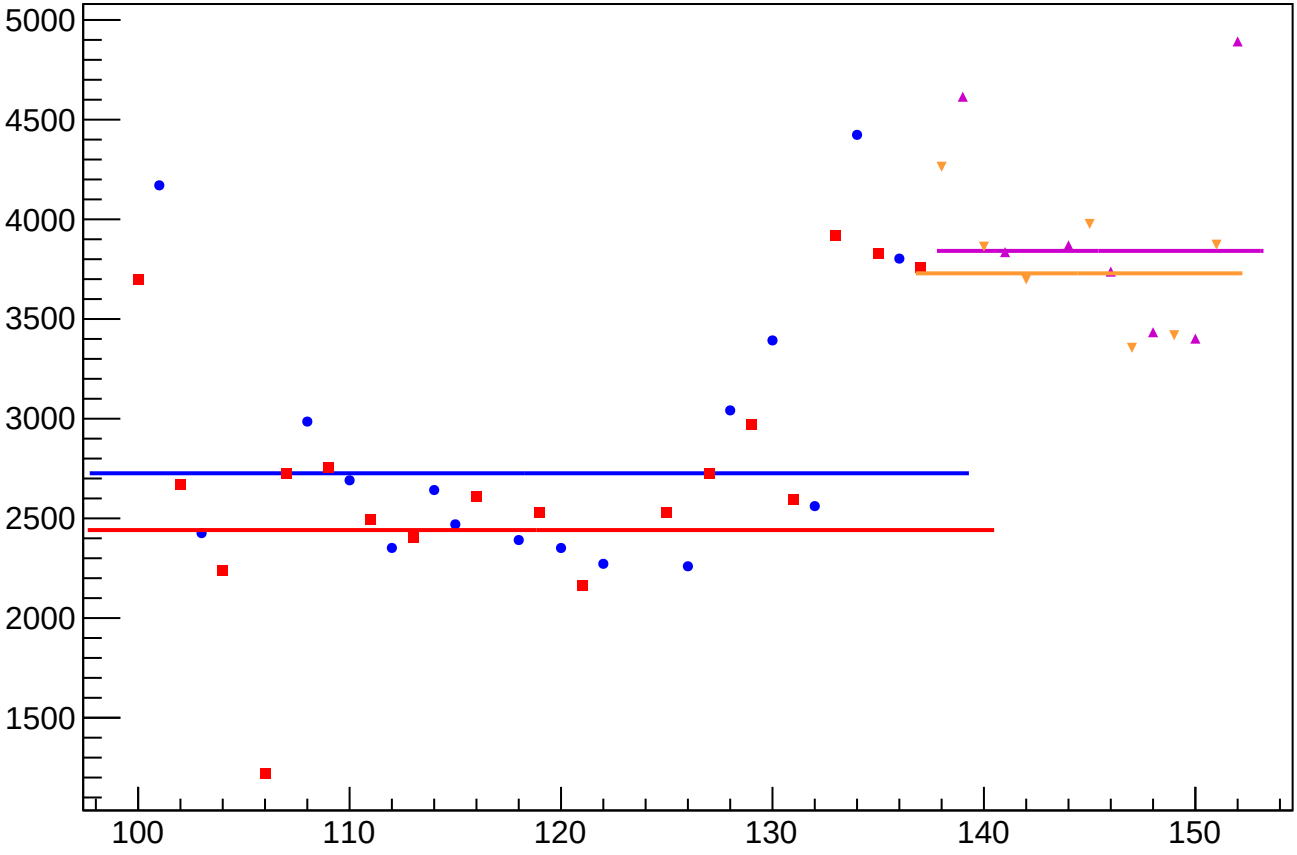
Left In: -361.347+/-1565.803 χ^2/NDF:2.0/6

+ sign 284.643+/-875.376 χ^2/NDF: 23.5/22

All: 148.687+/-604.508 χ^2/NDF: 45.2/47

- sign 24.744+/-835.804 χ^2/NDF: 21.6/24

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3729.143+/-1.146 χ^2/NDF:68966.5/6

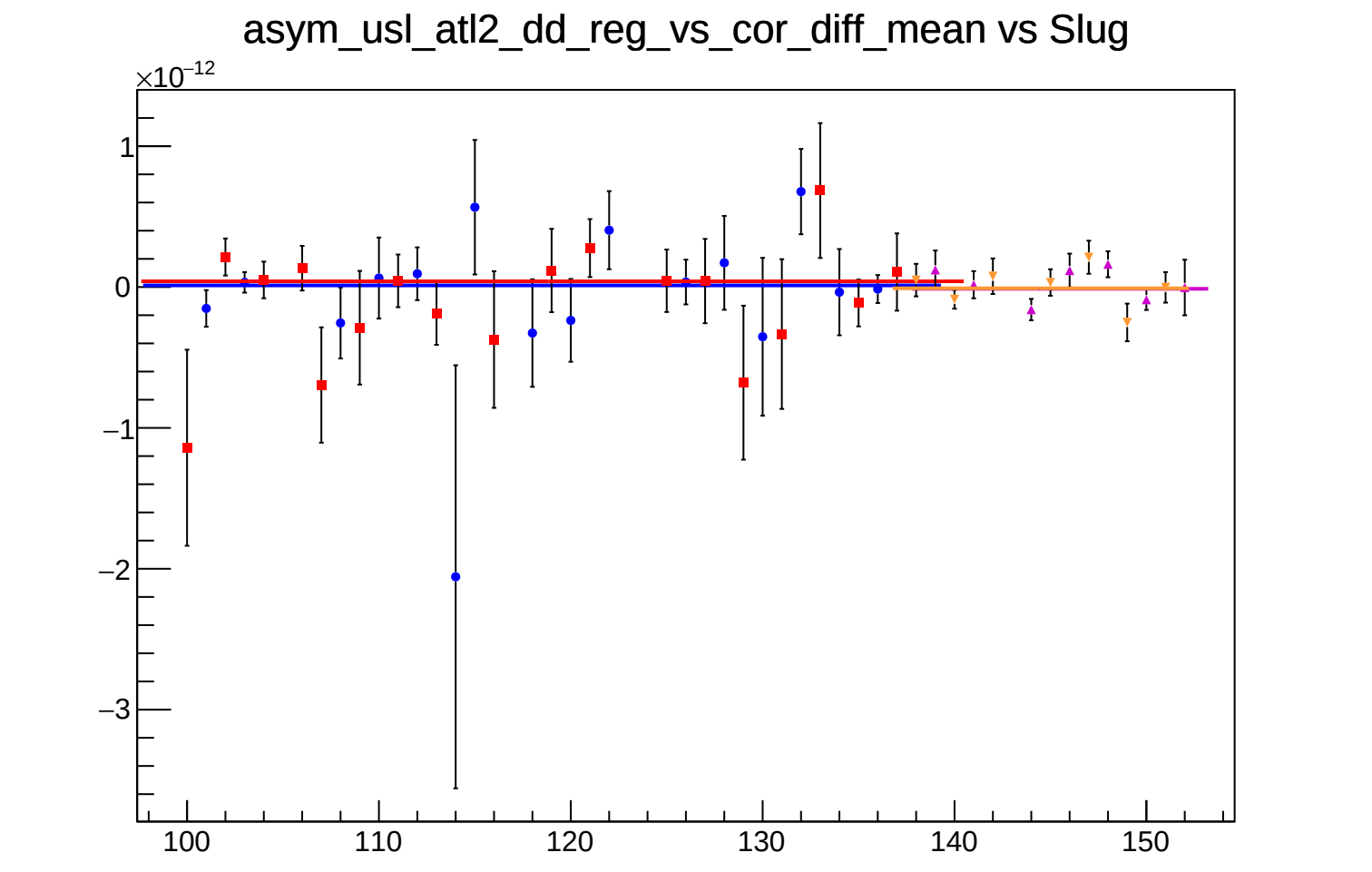
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3841.705+/-1.107 χ^2/NDF:182081.5/6

+ sign 3019.036+/-0.619 χ^2/NDF: 1234725.5/22

All: 2908.423+/-0.420 χ^2/NDF: 3540824.4/47

- sign 2814.197+/-0.571 χ^2/NDF: 2246962.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/6

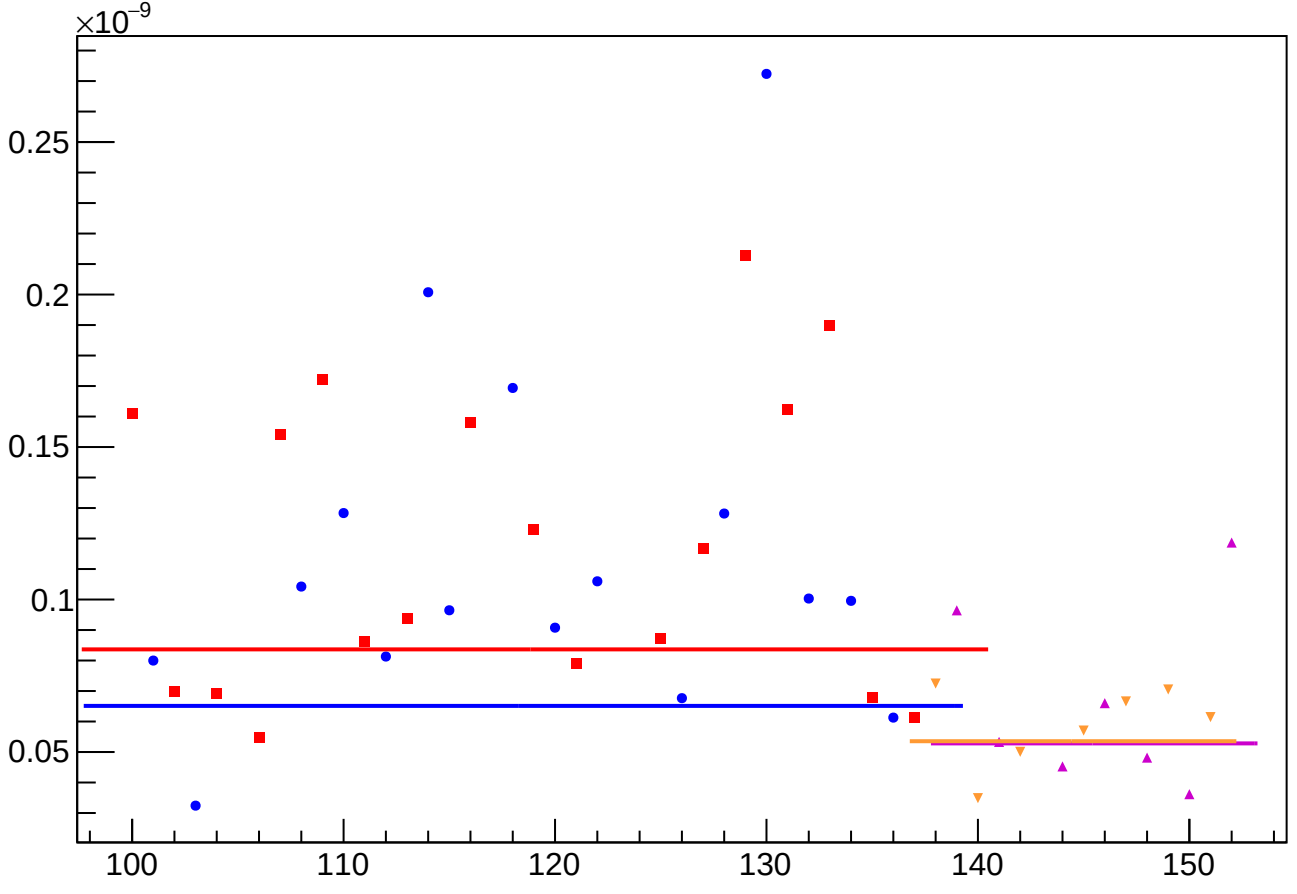
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:10.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 24.6/22

All: 0.000+/-0.000 χ^2/NDF: 53.0/47

- sign 0.000+/-0.000 χ^2/NDF: 28.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:281457.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

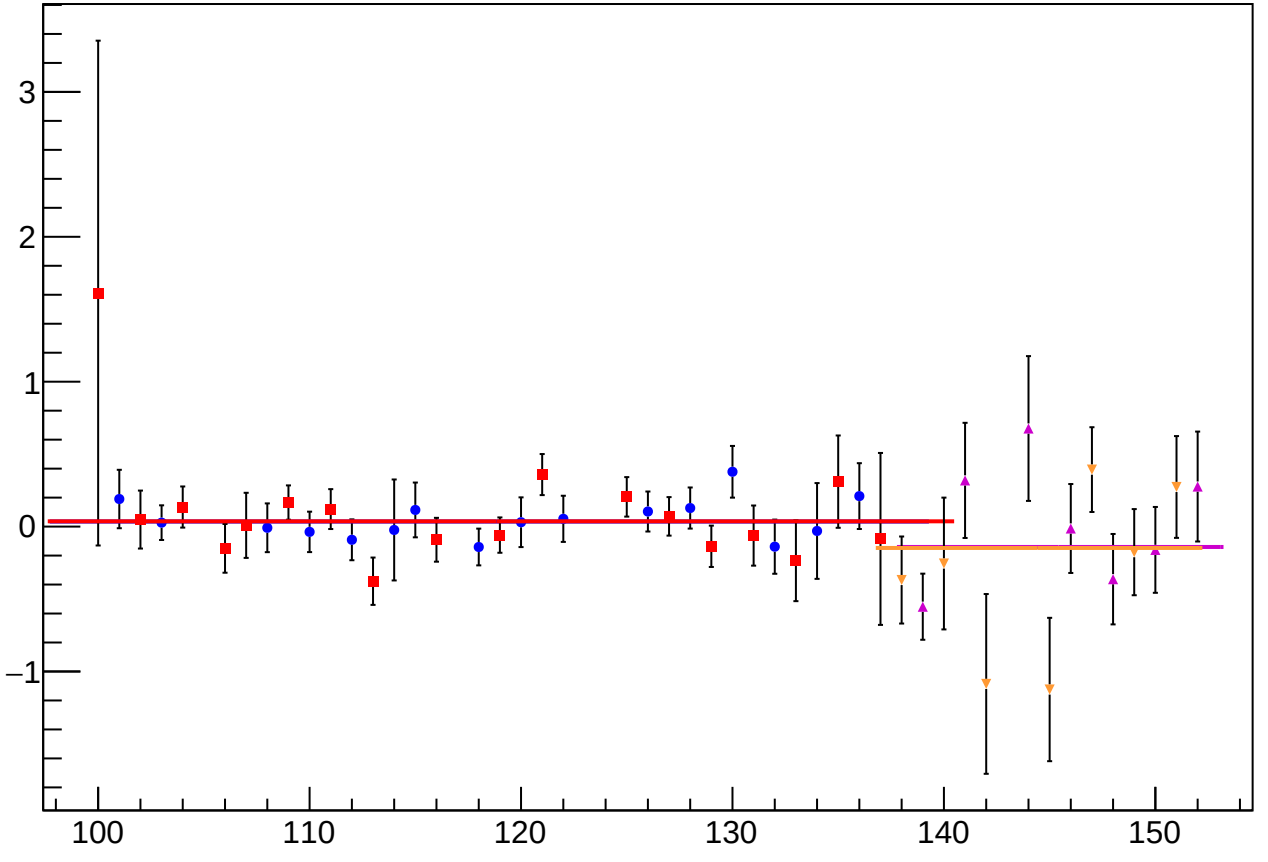
Left In: 0.000+/-0.000 χ^2/NDF:577171.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 1583108.7/22

All: 0.000+/-0.000 χ^2/NDF: 3324890.9/47

- sign 0.000+/-0.000 χ^2/NDF: 1720637.9/24

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: -0.147+/-0.136 χ^2/NDF:11.6/6

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

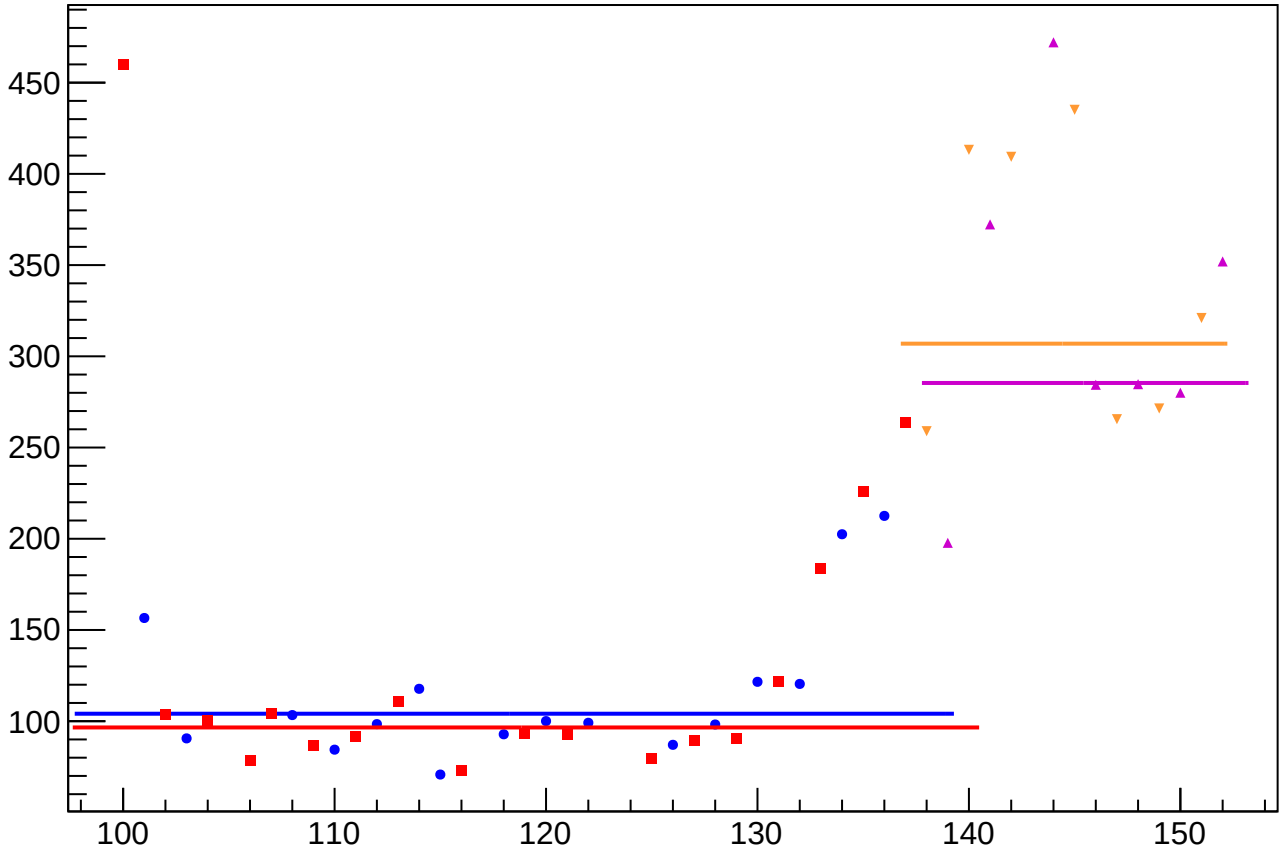
Left In: -0.141+/-0.121 χ^2/NDF:9.2/6

+ sign 0.020+/-0.039 χ^2/NDF: 23.0/22

All: 0.020+/-0.027 χ^2/NDF: 56.2/47

- sign 0.020+/-0.037 χ^2/NDF: 33.2/24

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: 306.934+/-0.096 χ^2/NDF:420823.2/6

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

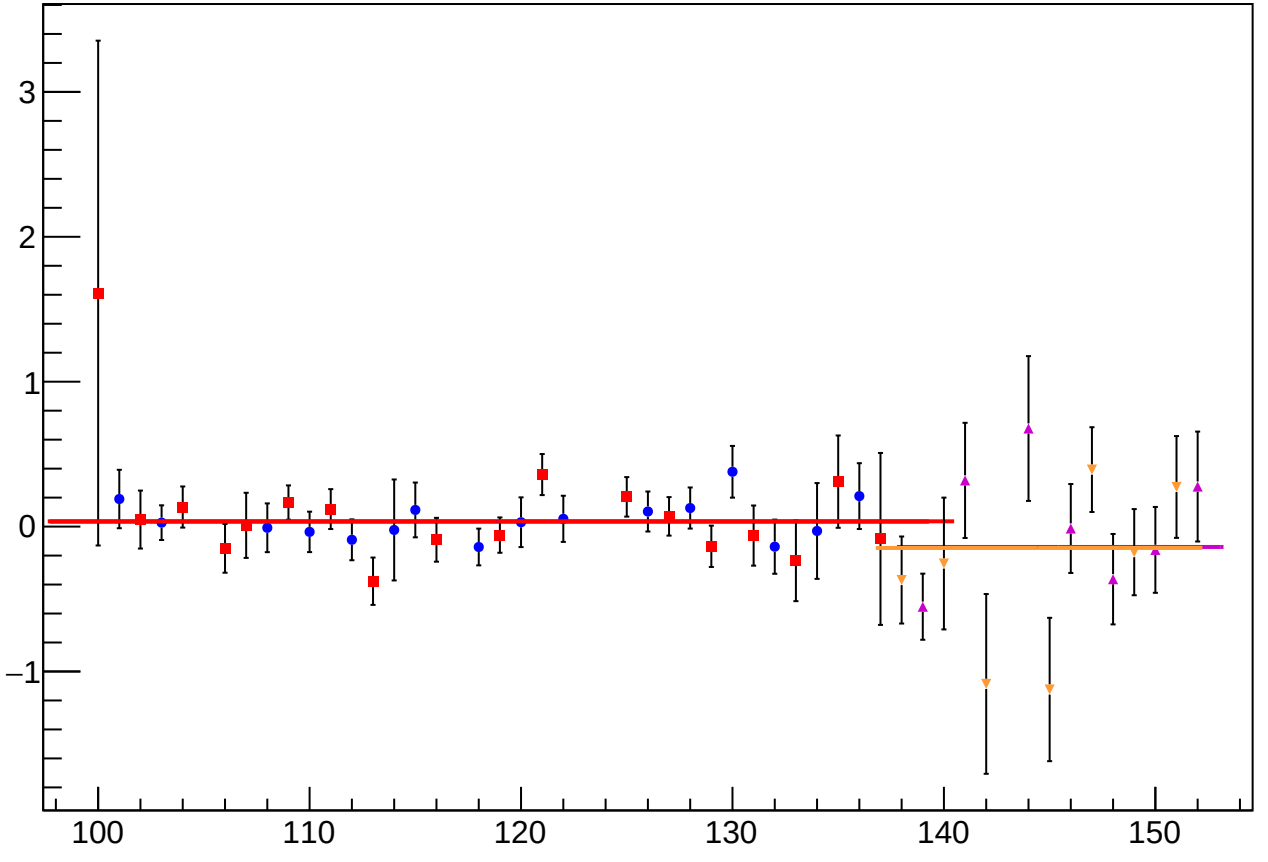
Left In: 285.388+/-0.085 χ^2/NDF:732412.5/6

+ sign 120.920+/-0.028 χ^2/NDF: 5463911.5/22

All: 117.450+/-0.019 χ^2/NDF: 11623864.5/47

- sign 114.370+/-0.026 χ^2/NDF: 6130515.8/24

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.147+/-0.136 χ^2/NDF:11.6/6

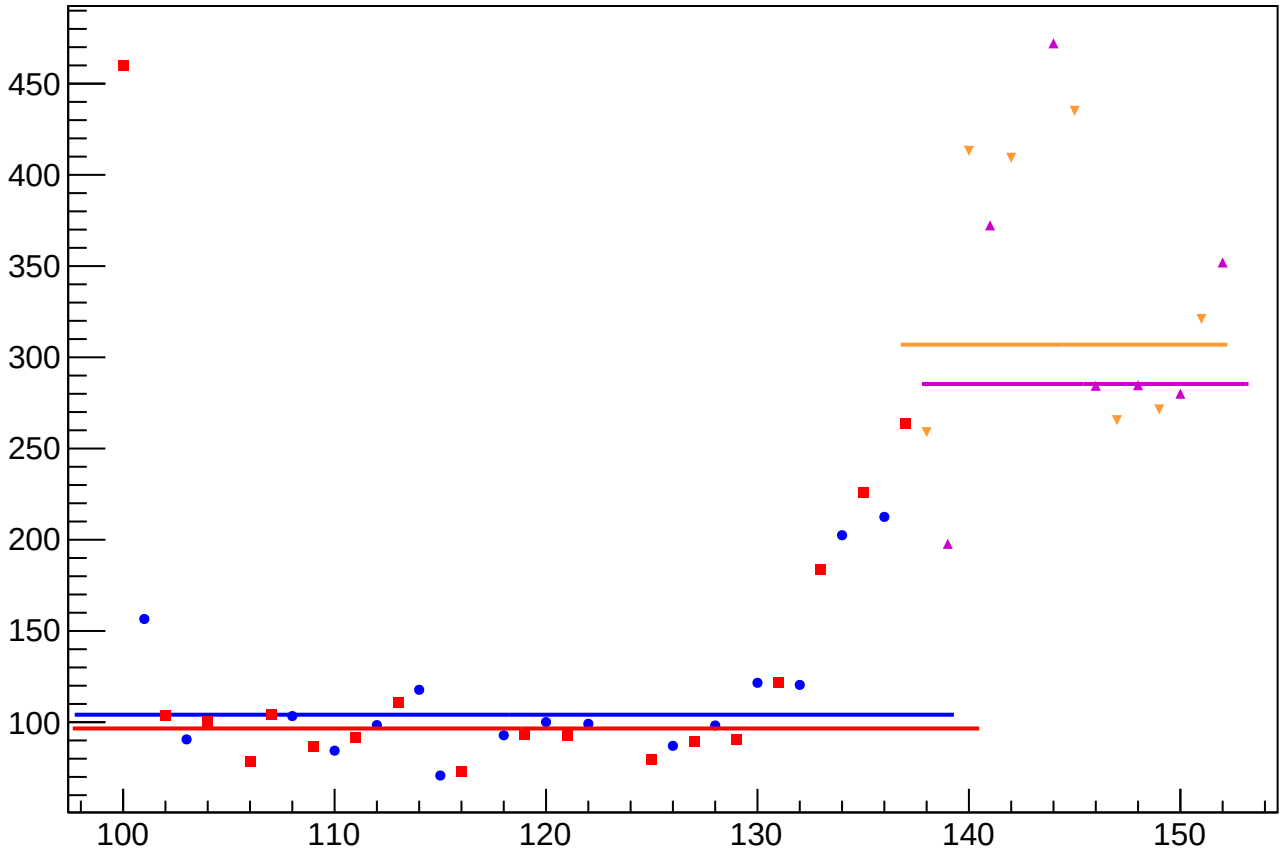
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.141+/-0.121 χ^2/NDF:9.2/6

+ sign 0.020+/-0.039 χ^2/NDF: 23.0/22

All: 0.020+/-0.027 χ^2/NDF: 56.2/47

- sign 0.020+/-0.037 χ^2/NDF: 33.2/24



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 306.934+/-0.096 χ^2/NDF:420823.2/6

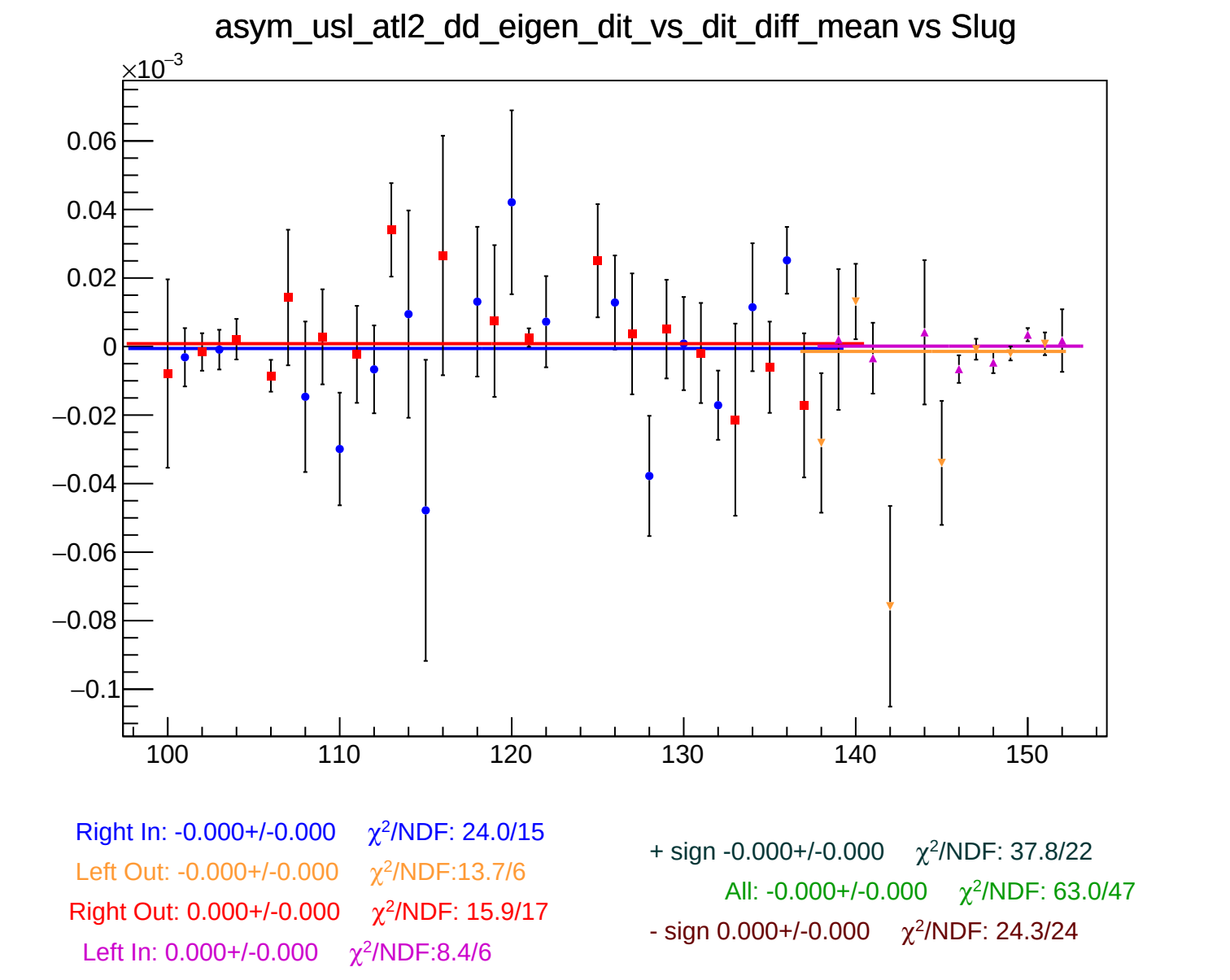
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 285.388+/-0.085 χ^2/NDF:732412.5/6

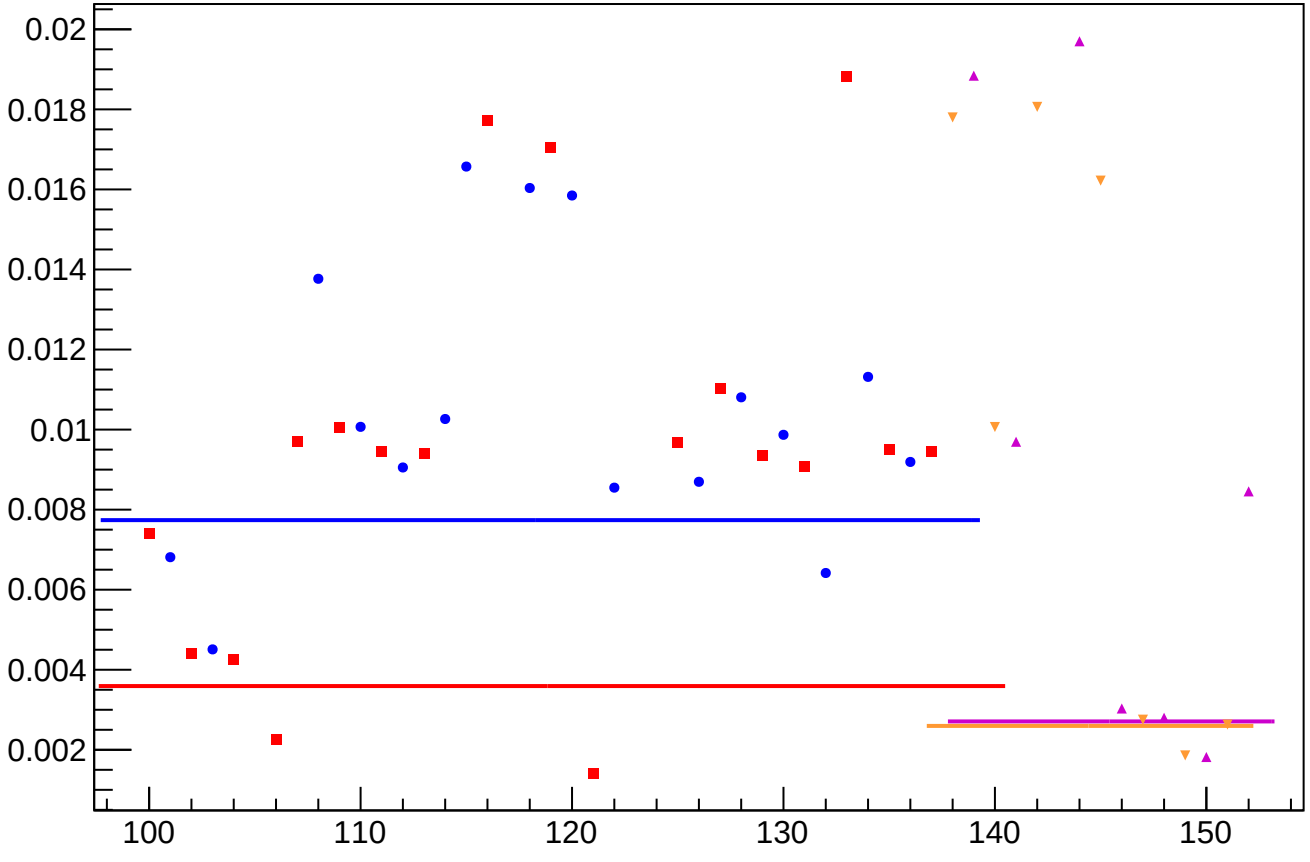
+ sign 120.920+/-0.028 χ^2/NDF: 5463911.5/22

All: 117.450+/-0.019 χ^2/NDF: 11623864.5/47

- sign 114.370+/-0.026 χ^2/NDF: 6130515.8/24


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:13.7/6
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:8.4/6
+ sign -0.000+/-0.000 χ²/NDF: 37.8/22
All: -0.000+/-0.000 χ²/NDF: 63.0/47
- sign 0.000+/-0.000 χ²/NDF: 24.3/24

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:3993773.8/6

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

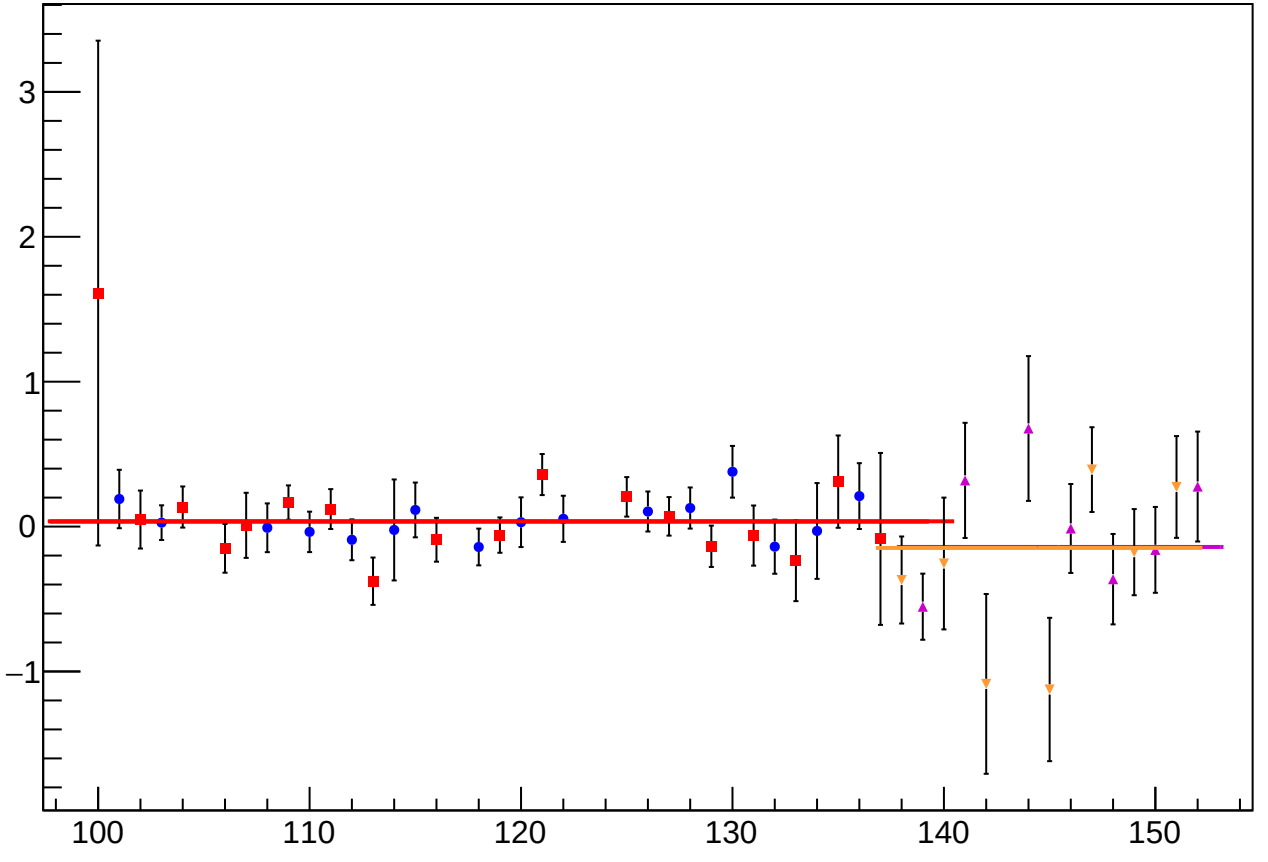
Left In: 0.003+/-0.000 χ^2/NDF:4682334.7/6

+ sign 0.004+/-0.000 χ^2/NDF: 10143271.6/22

All: 0.003+/-0.000 χ^2/NDF: 21629483.8/47

- sign 0.003+/-0.000 χ^2/NDF: 11328052.9/24

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: -0.147+/-0.136 χ^2/NDF:11.6/6

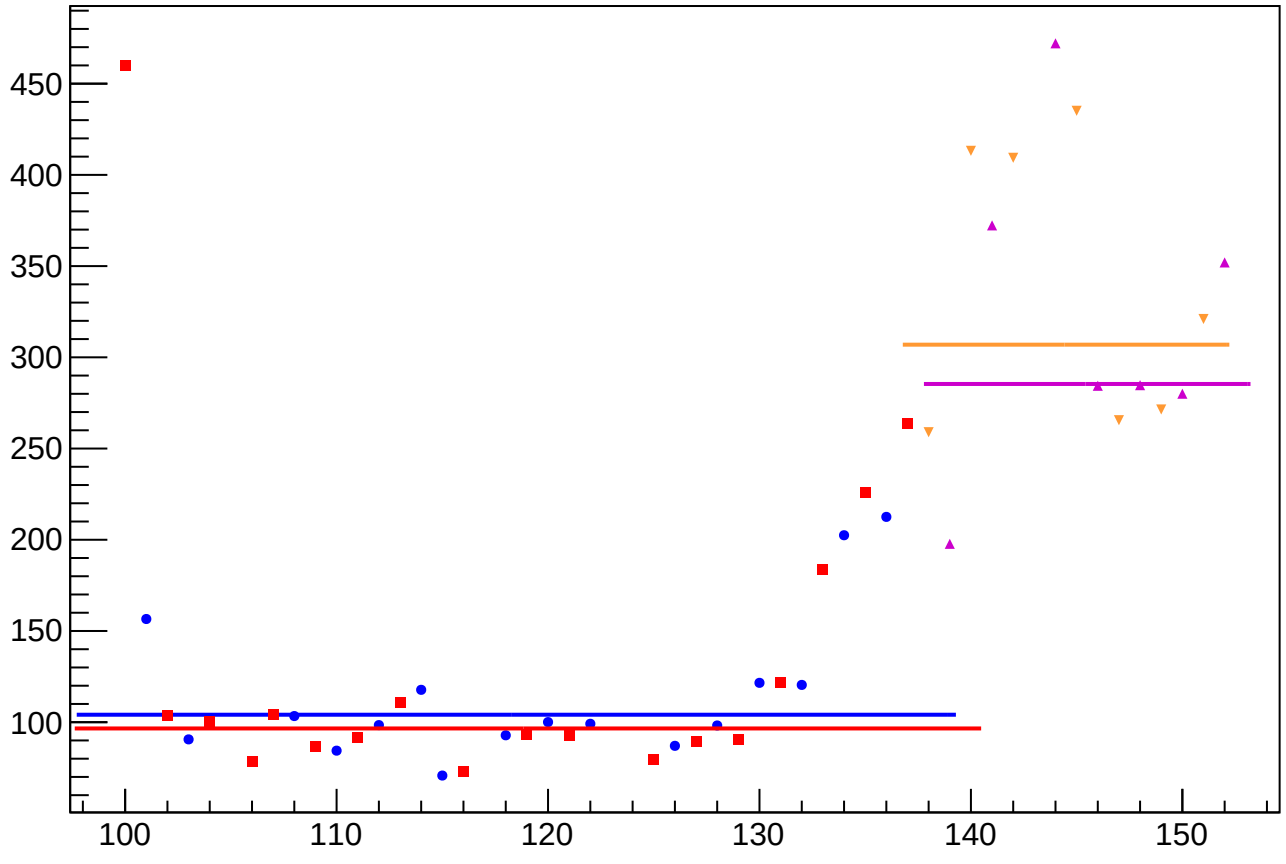
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.141+/-0.121 χ^2/NDF:9.2/6

+ sign 0.020+/-0.039 χ^2/NDF: 23.0/22

All: 0.020+/-0.027 χ^2/NDF: 56.2/47

- sign 0.020+/-0.037 χ^2/NDF: 33.2/24



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 306.935+/-0.096 χ^2/NDF:420853.3/6

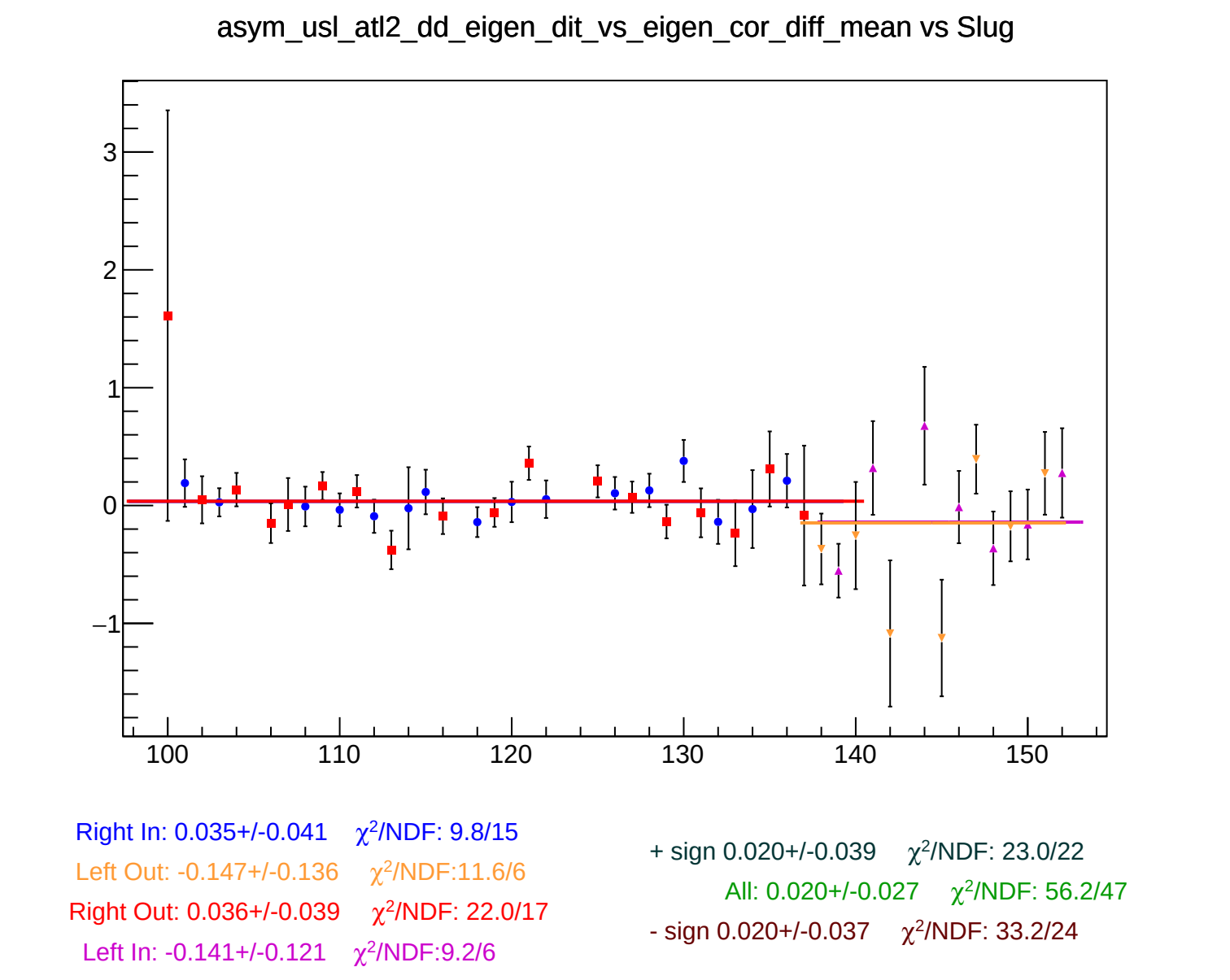
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

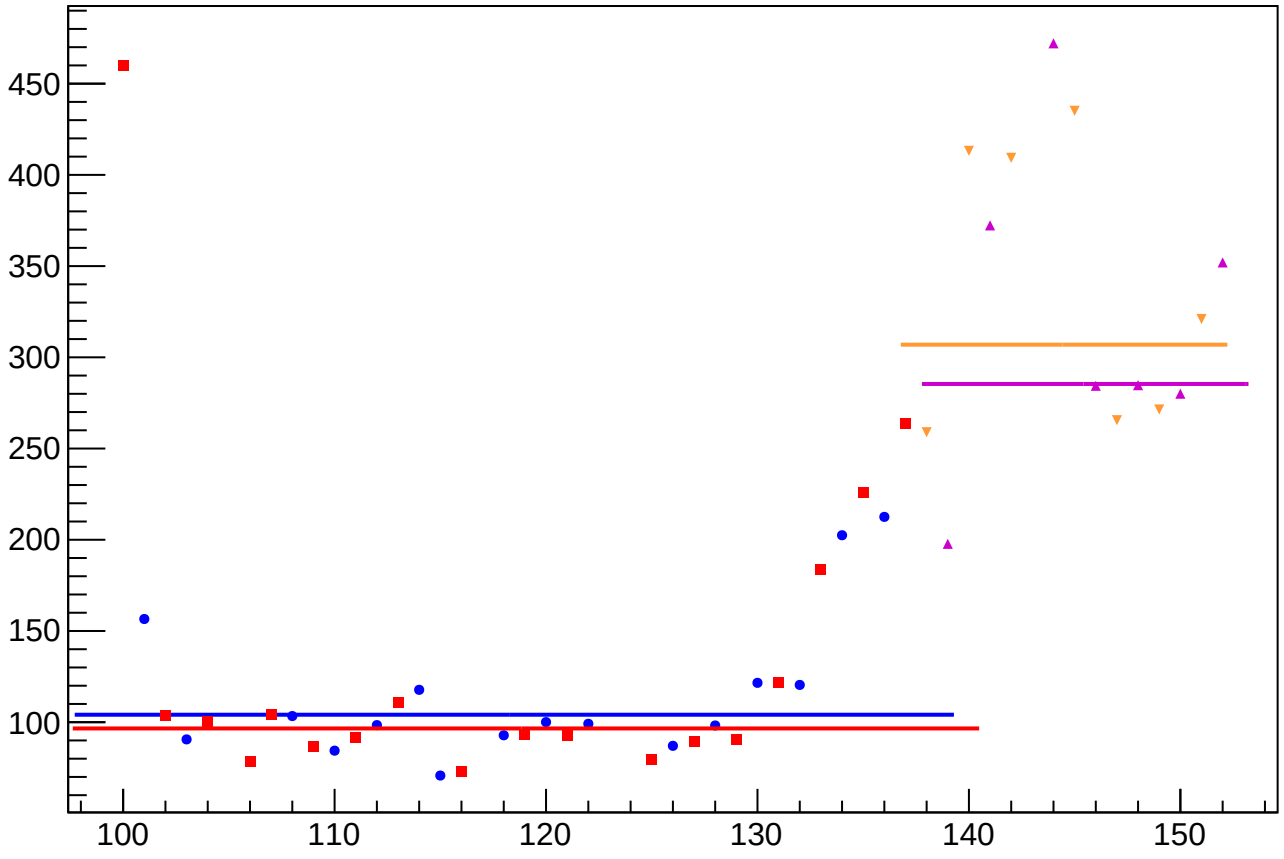
Left In: 285.392+/-0.085 χ^2/NDF:732391.6/6

+ sign 120.921+/-0.028 χ^2/NDF: 5463871.6/22

All: 117.452+/-0.019 χ^2/NDF: 11623738.1/47

- sign 114.372+/-0.026 χ^2/NDF: 6130434.3/24


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.147+/-0.136 χ²/NDF:11.6/6
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.141+/-0.121 χ²/NDF:9.2/6
+ sign 0.020+/-0.039 χ²/NDF: 23.0/22
All: 0.020+/-0.027 χ²/NDF: 56.2/47
- sign 0.020+/-0.037 χ²/NDF: 33.2/24



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 306.935+/-0.096 χ^2/NDF:420853.3/6

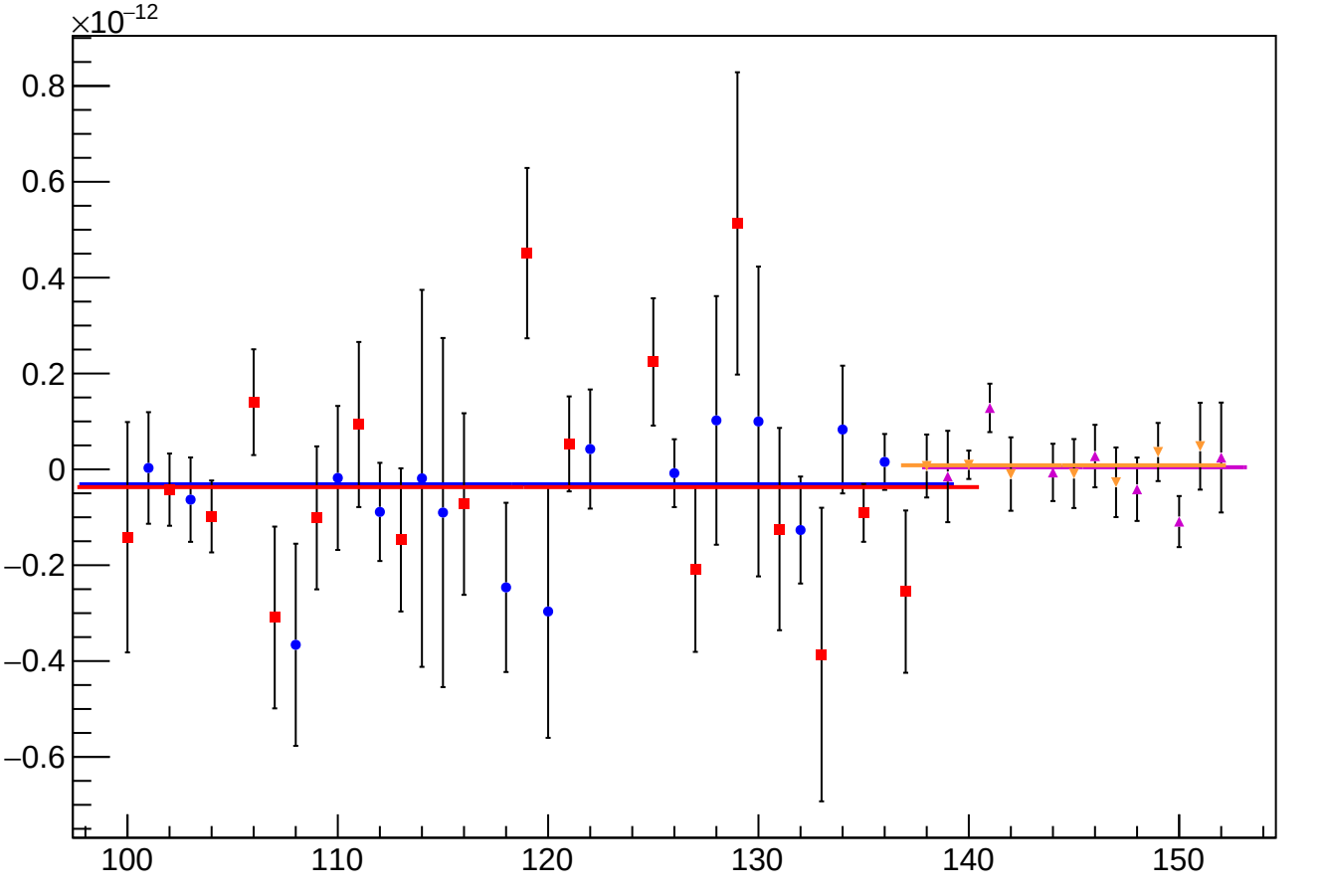
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 285.392+/-0.085 χ^2/NDF:732391.6/6

+ sign 120.921+/-0.028 χ^2/NDF: 5463871.6/22

All: 117.452+/-0.019 χ^2/NDF: 11623738.1/47

- sign 114.372+/-0.026 χ^2/NDF: 6130434.3/24



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/6

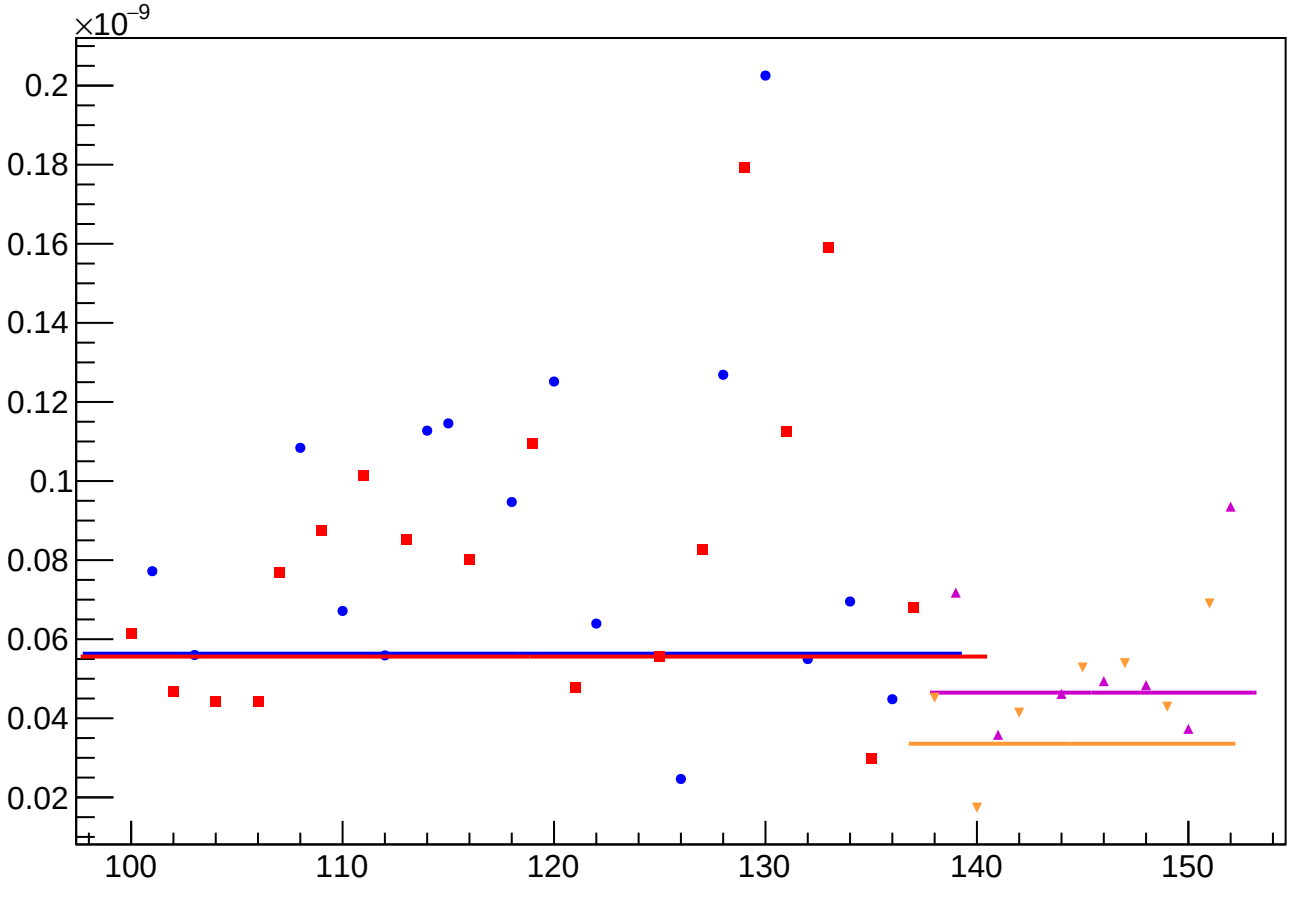
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:11.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 10.5/22

All: -0.000+/-0.000 χ^2/NDF: 50.2/47

- sign -0.000+/-0.000 χ^2/NDF: 39.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1335647.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

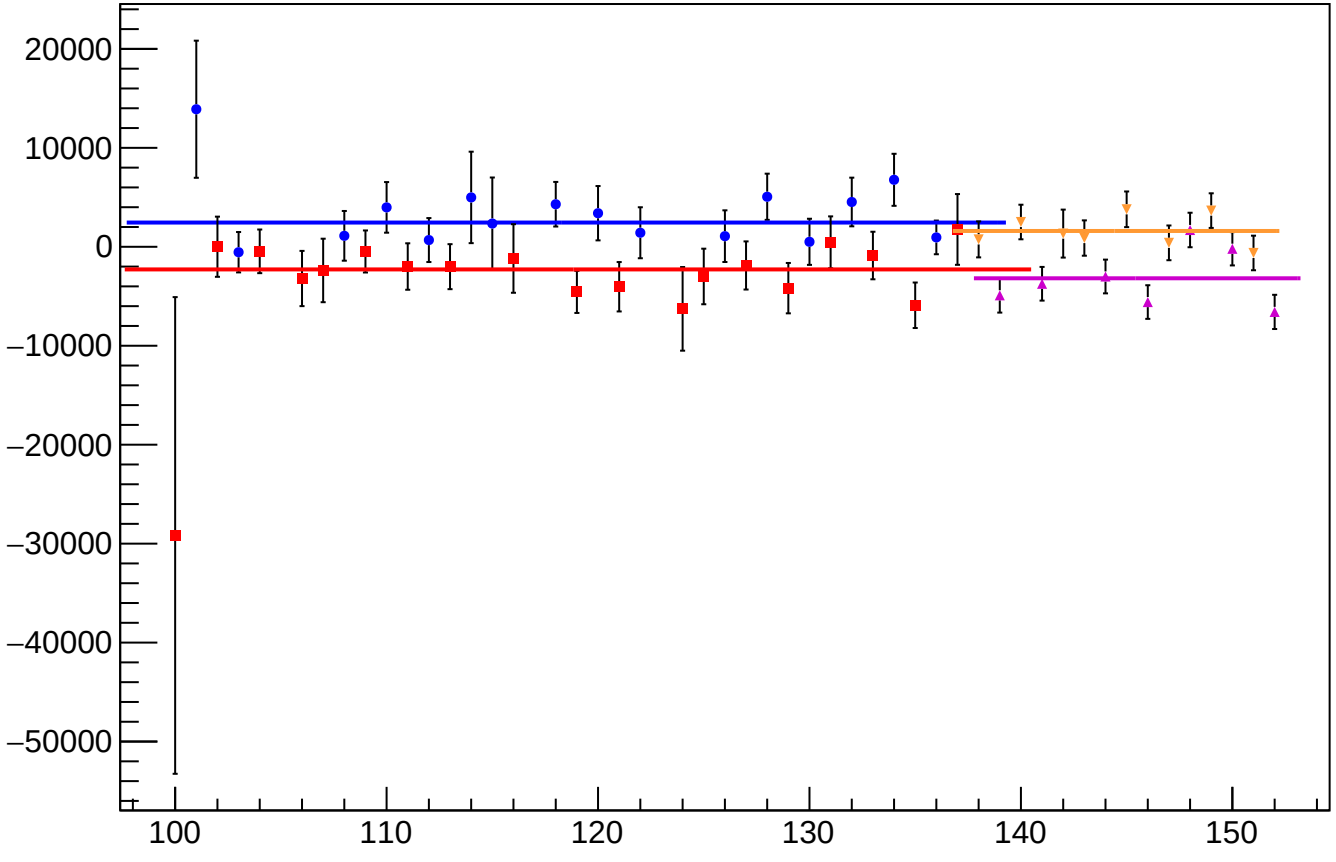
Left In: 0.000+/-0.000 χ^2/NDF:631179.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 3712590.6/22

All: 0.000+/-0.000 χ^2/NDF: 6495606.2/47

- sign 0.000+/-0.000 χ^2/NDF: 2515542.3/24

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1598.534+/-645.454 χ^2/NDF:5.6/7

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

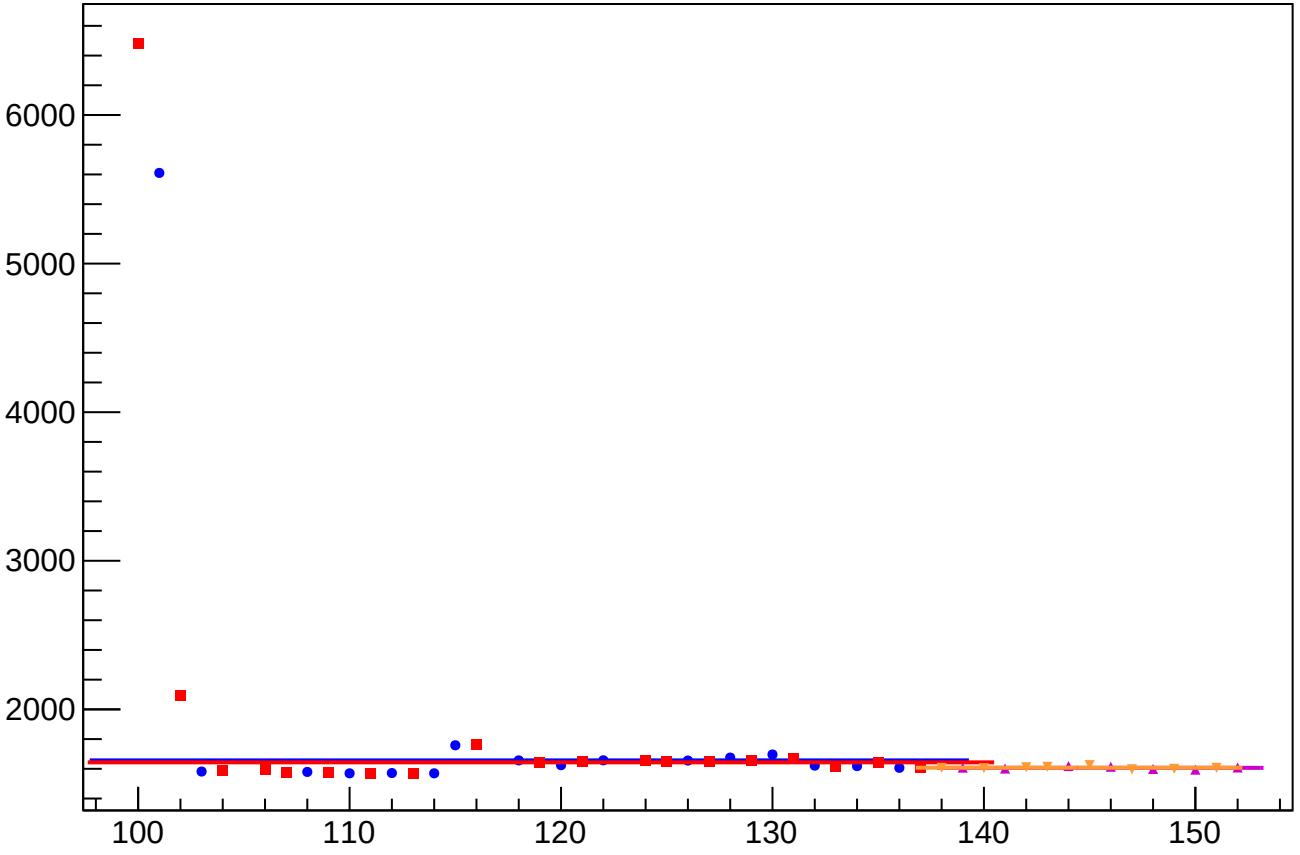
Left In: -3183.436+/-648.338 χ^2/NDF:17.9/6

+ sign 2034.402+/-450.928 χ^2/NDF: 20.3/23

All: -373.342+/-316.356 χ^2/NDF: 107.3/49

- sign -2707.087+/-443.944 χ^2/NDF: 30.8/25

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1607.442+/-0.456 χ^2/NDF:325.2/7

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

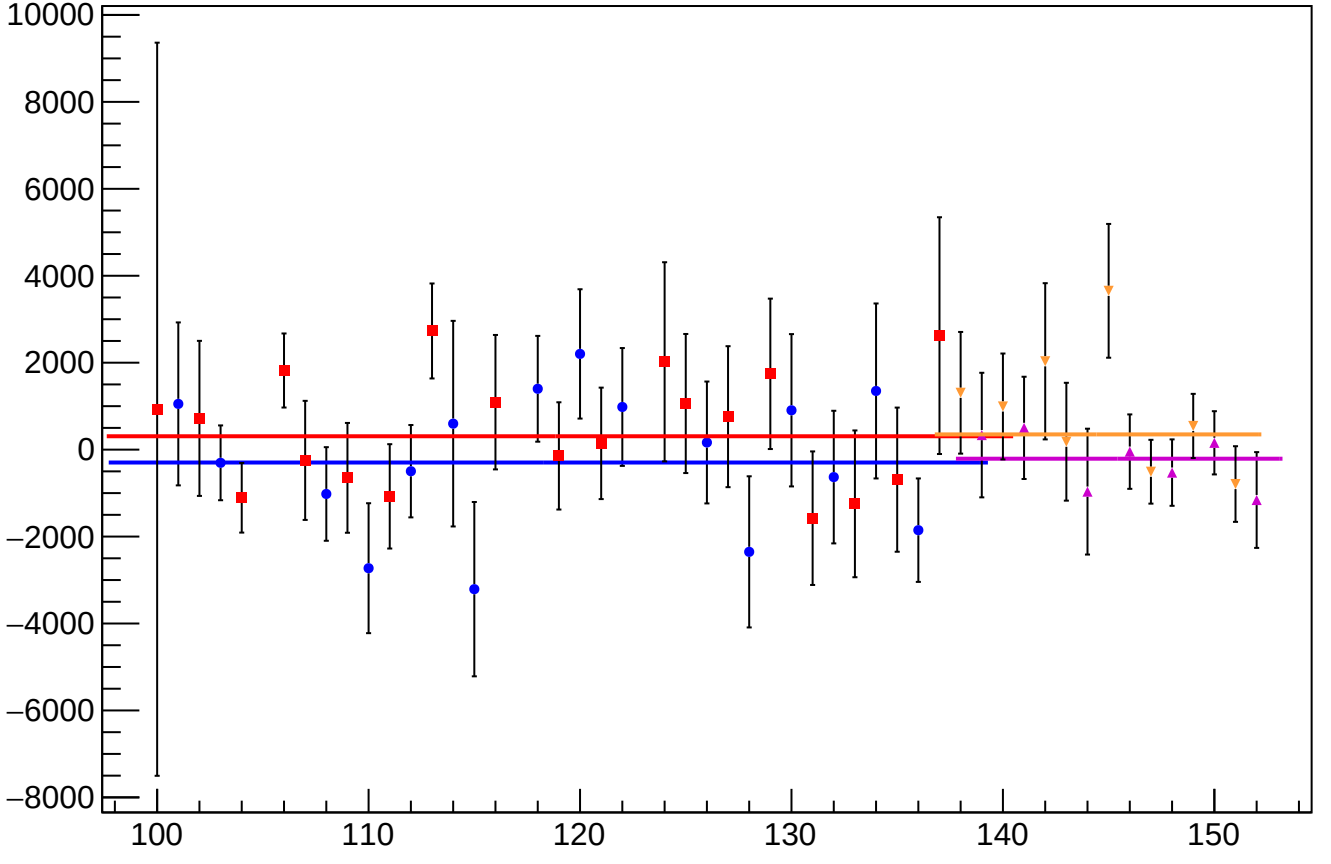
Left In: 1606.438+/-0.458 χ^2/NDF:301.4/6

+ sign 1632.650+/-0.319 χ^2/NDF: 672510.2/23

All: 1629.317+/-0.224 χ^2/NDF: 813482.9/49

- sign 1626.086+/-0.314 χ^2/NDF: 140757.4/25

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 350.325+/-365.829 χ^2/NDF:9.4/7

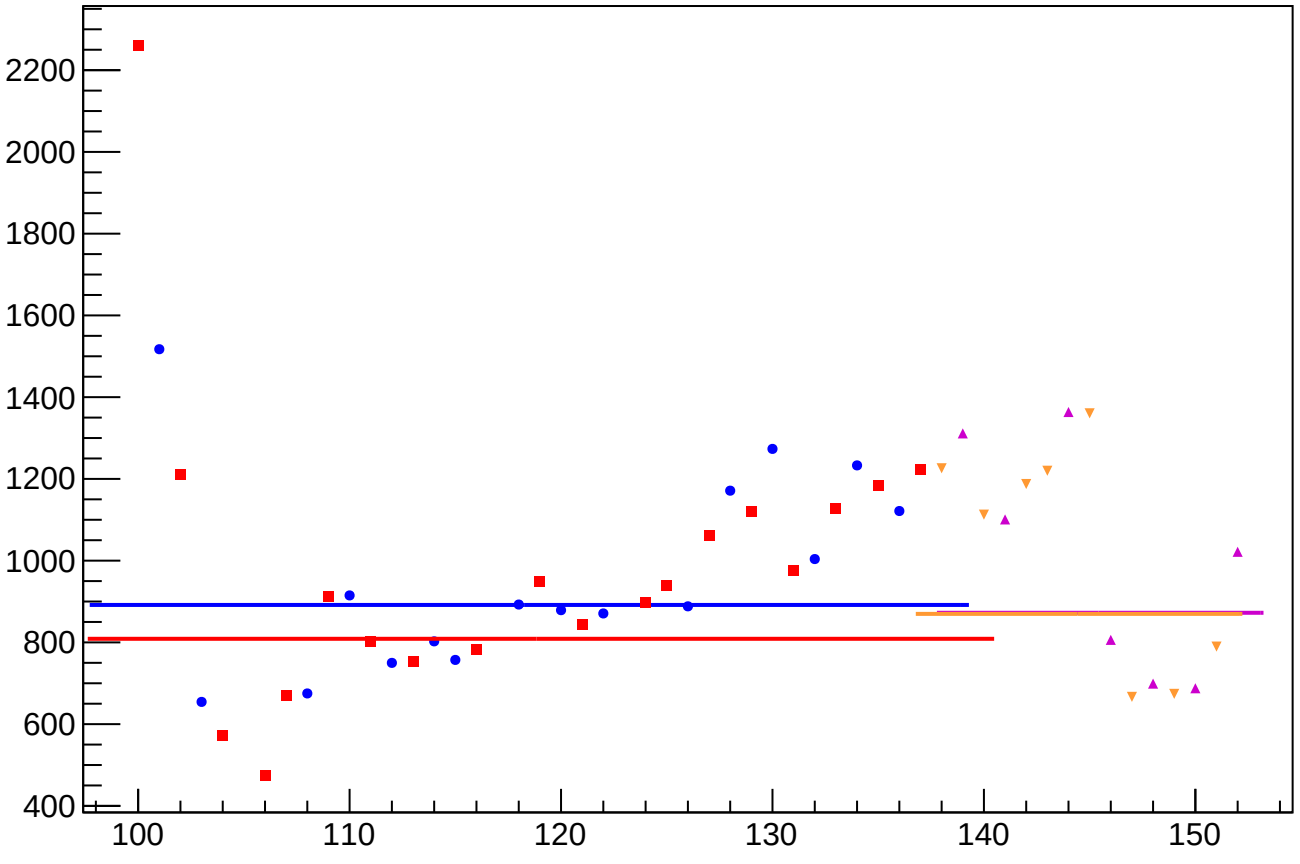
Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: -208.756+/-365.677 χ^2/NDF:2.0/6

\+ sign 6.538+/-250.388 χ^2/NDF: 27.0/23

All: 50.066+/-172.420 χ^2/NDF: 48.9/49

\- sign 89.320+/-237.778 χ^2/NDF: 21.8/25



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 869.775+/-0.259 χ^2/NDF:918835.3/7

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

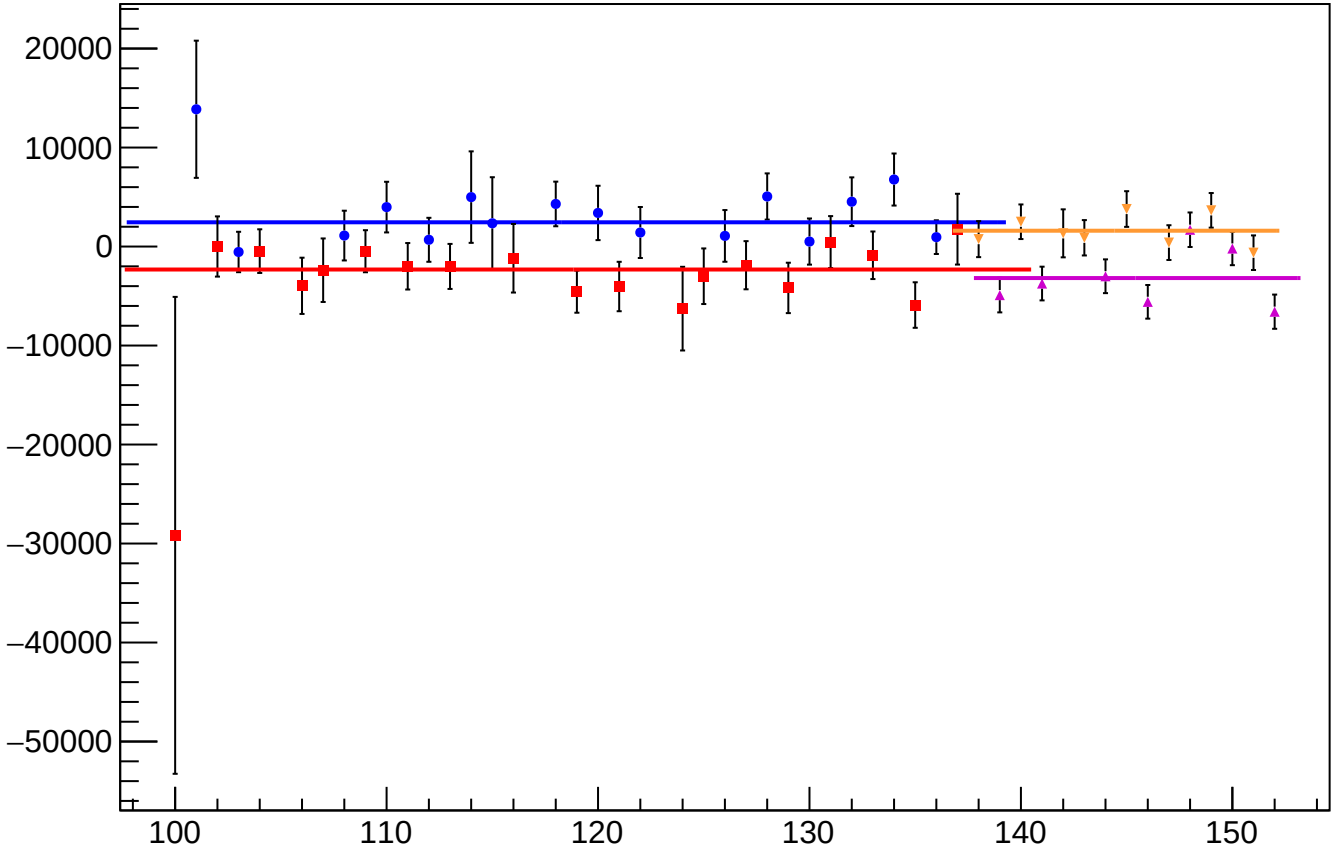
Left In: 872.461+/-0.259 χ^2/NDF:773711.0/6

+ sign 881.393+/-0.177 χ^2/NDF: 1716527.6/23

All: 857.379+/-0.122 χ^2/NDF: 3644045.3/49

- sign 835.722+/-0.168 χ^2/NDF: 1892528.8/25

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1598.549+/-645.454 χ^2/NDF:5.6/7

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

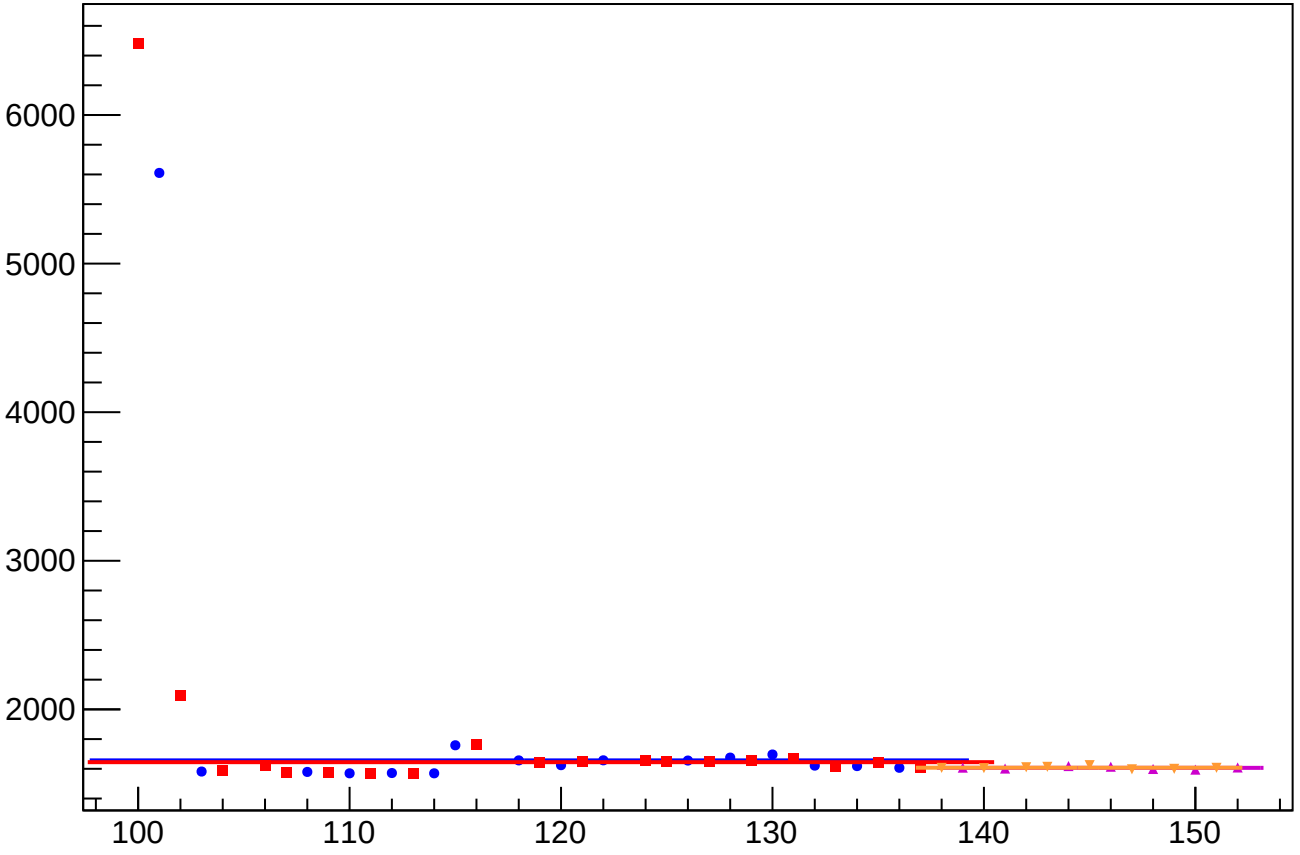
Left In: -3183.622+/-648.338 χ^2/NDF:17.9/6

+ sign 2034.122+/-450.928 χ^2/NDF: 20.3/23

All: -381.837+/-316.426 χ^2/NDF: 107.8/49

- sign -2725.586+/-444.138 χ^2/NDF: 30.9/25

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.442+/-0.456 χ^2/NDF:325.2/7

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

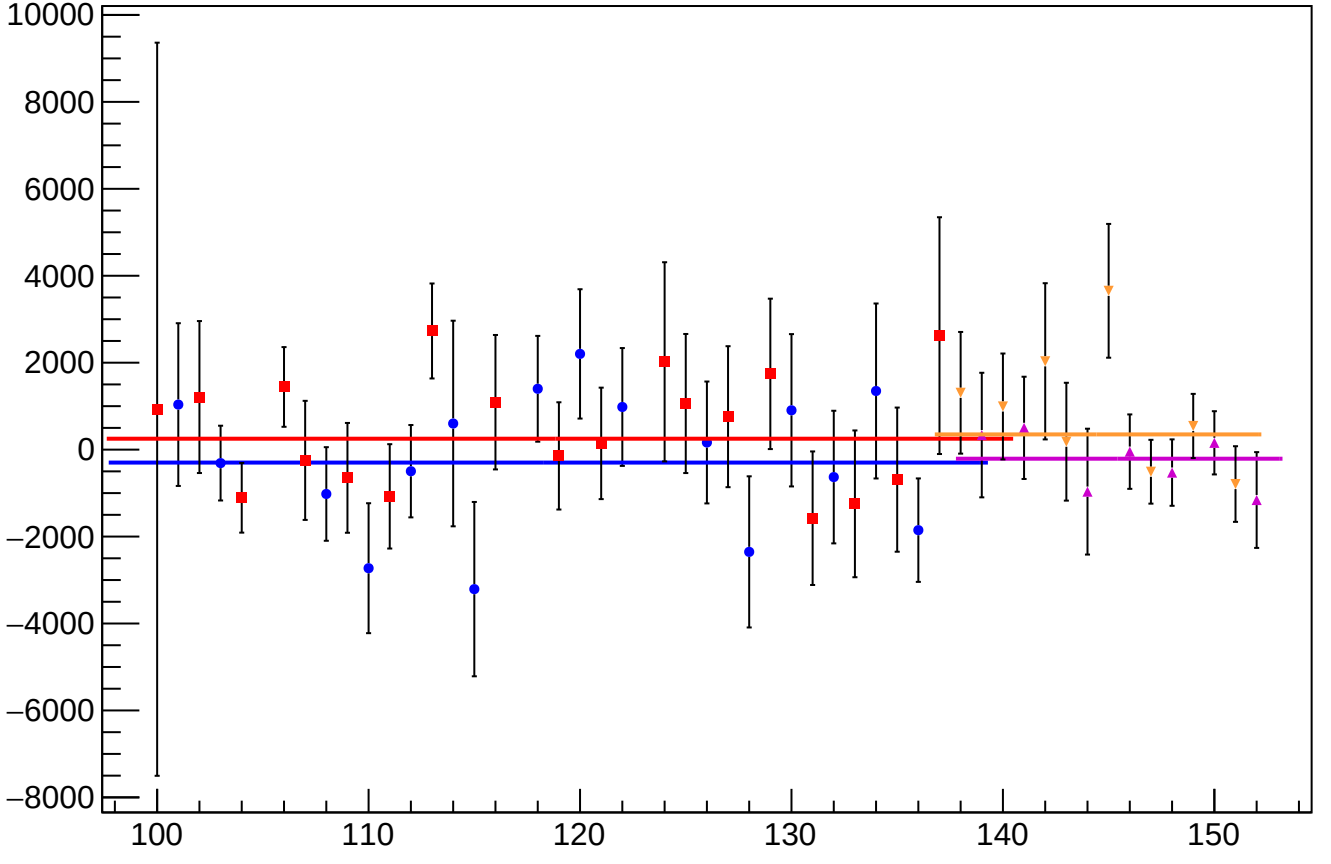
Left In: 1606.438+/-0.458 χ^2/NDF:301.4/6

+ sign 1632.650+/-0.319 χ^2/NDF: 672509.8/23

All: 1629.661+/-0.224 χ^2/NDF: 813170.5/49

- sign 1626.762+/-0.314 χ^2/NDF: 140487.7/25

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 350.203+/-365.822 χ^2/NDF:9.4/7

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

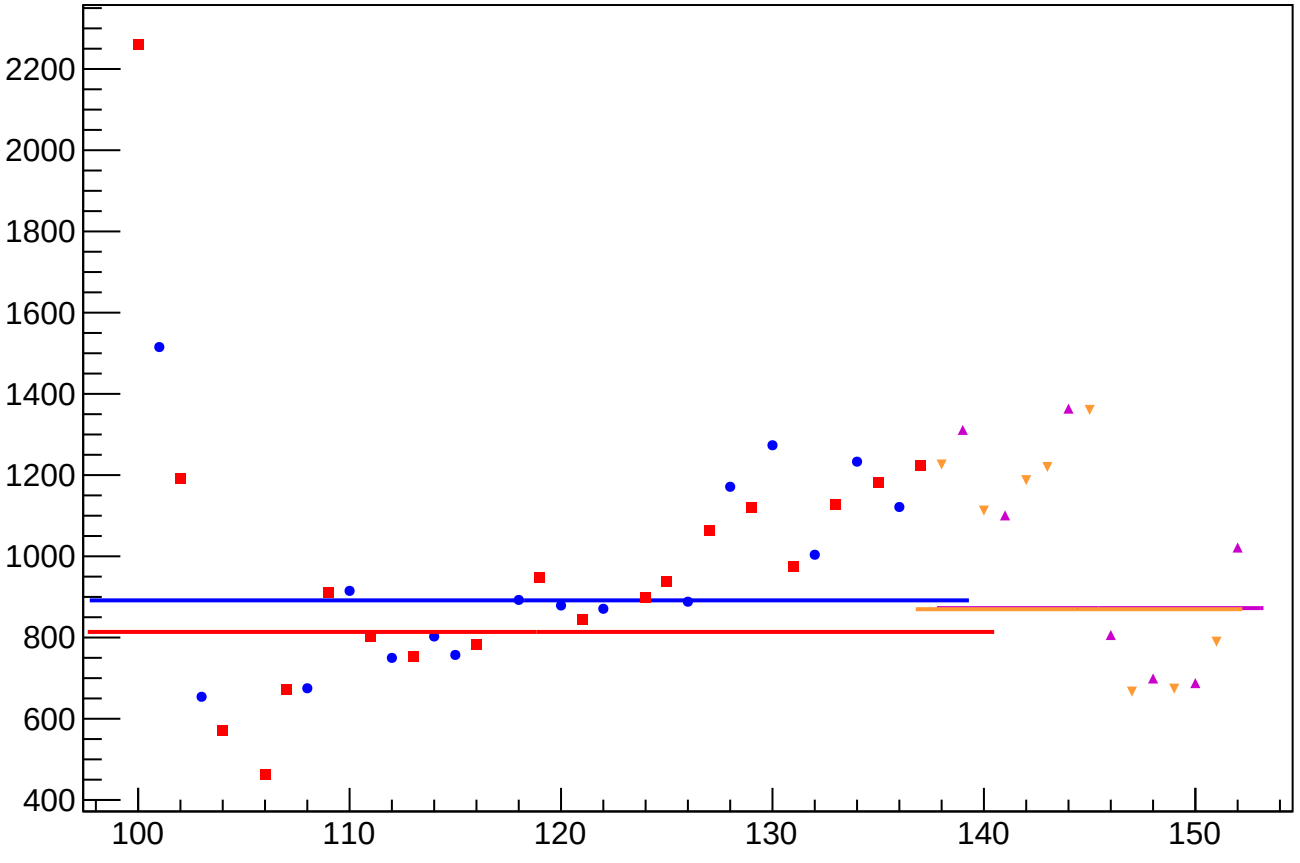
Left In: -208.818+/-365.681 χ^2/NDF:2.0/6

+ sign 5.729+/-250.369 χ^2/NDF: 27.0/23

All: 31.372+/-172.873 χ^2/NDF: 47.2/49

- sign 54.736+/-238.988 χ^2/NDF: 20.2/25

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 869.757+/-0.259 χ^2/NDF:918867.0/7

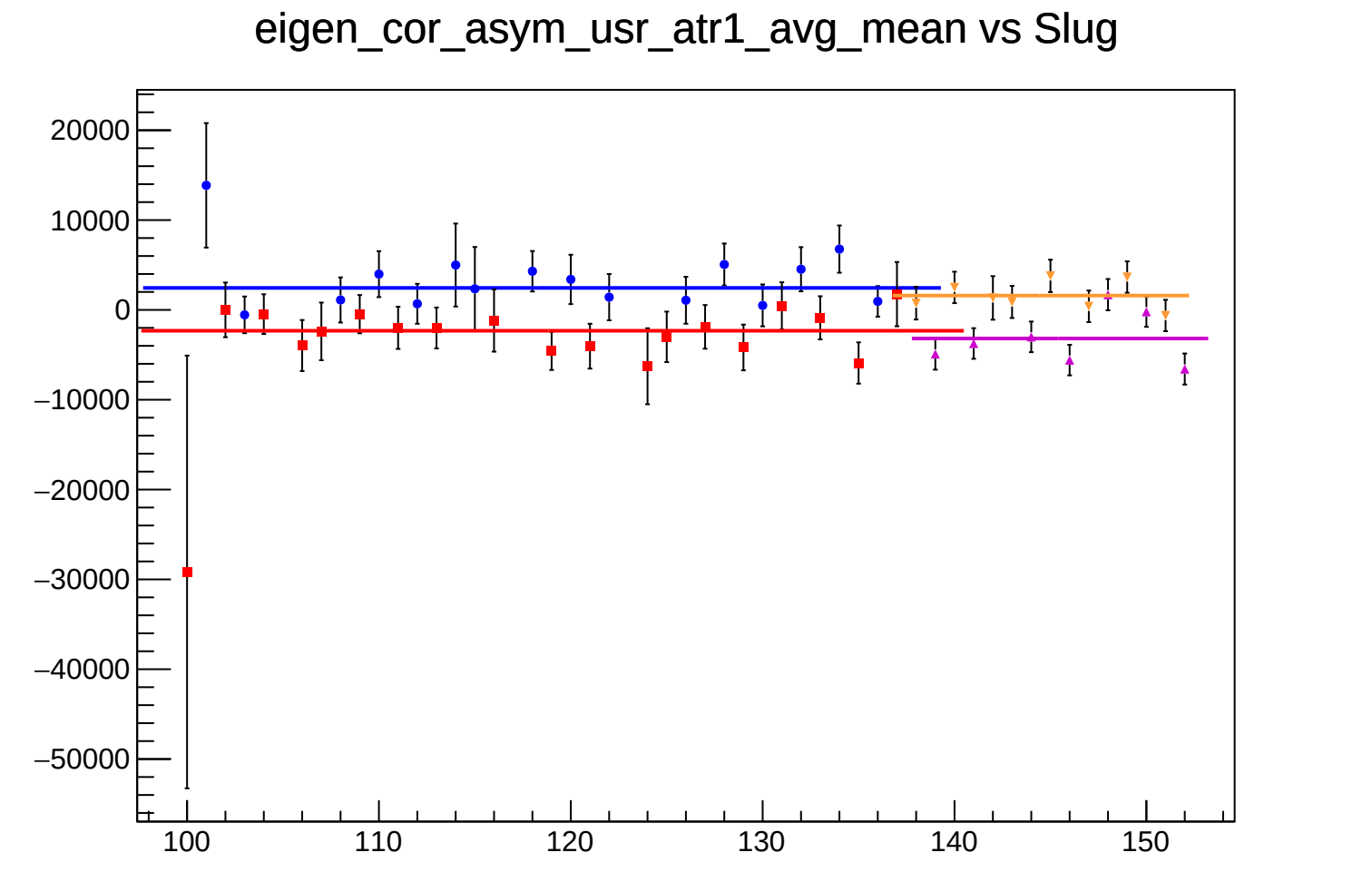
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 872.470+/-0.259 χ^2/NDF:773695.3/6

+ sign 881.333+/-0.177 χ^2/NDF: 1716291.4/23

All: 859.111+/-0.122 χ^2/NDF: 3602576.7/49

- sign 838.863+/-0.169 χ^2/NDF: 1856173.2/25



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1598.549+/-645.454 χ^2/NDF:5.6/7

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

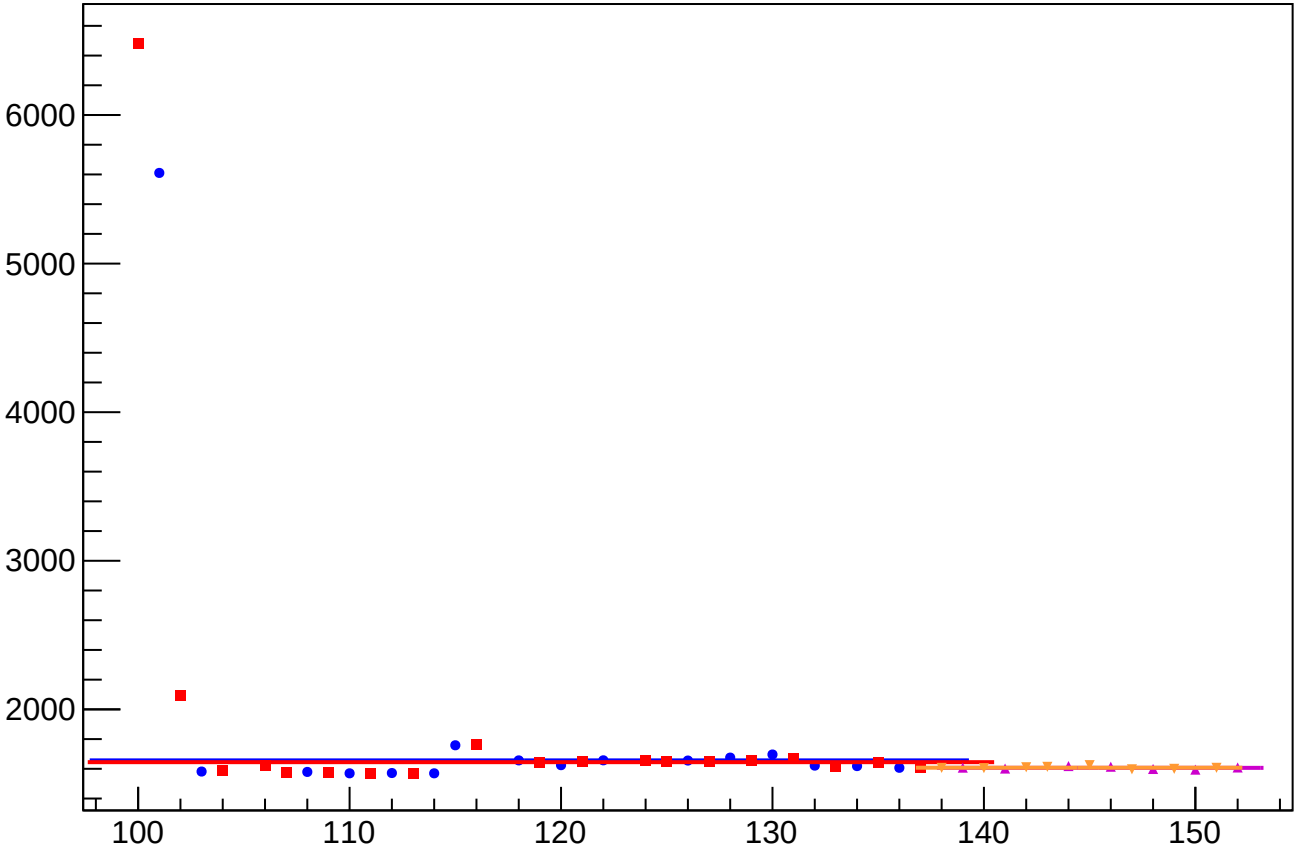
Left In: -3183.622+/-648.338 χ^2/NDF:17.9/6

+ sign 2034.122+/-450.928 χ^2/NDF: 20.3/23

All: -381.837+/-316.426 χ^2/NDF: 107.8/49

- sign -2725.586+/-444.138 χ^2/NDF: 30.9/25

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.442+/-0.456 χ^2/NDF:325.2/7

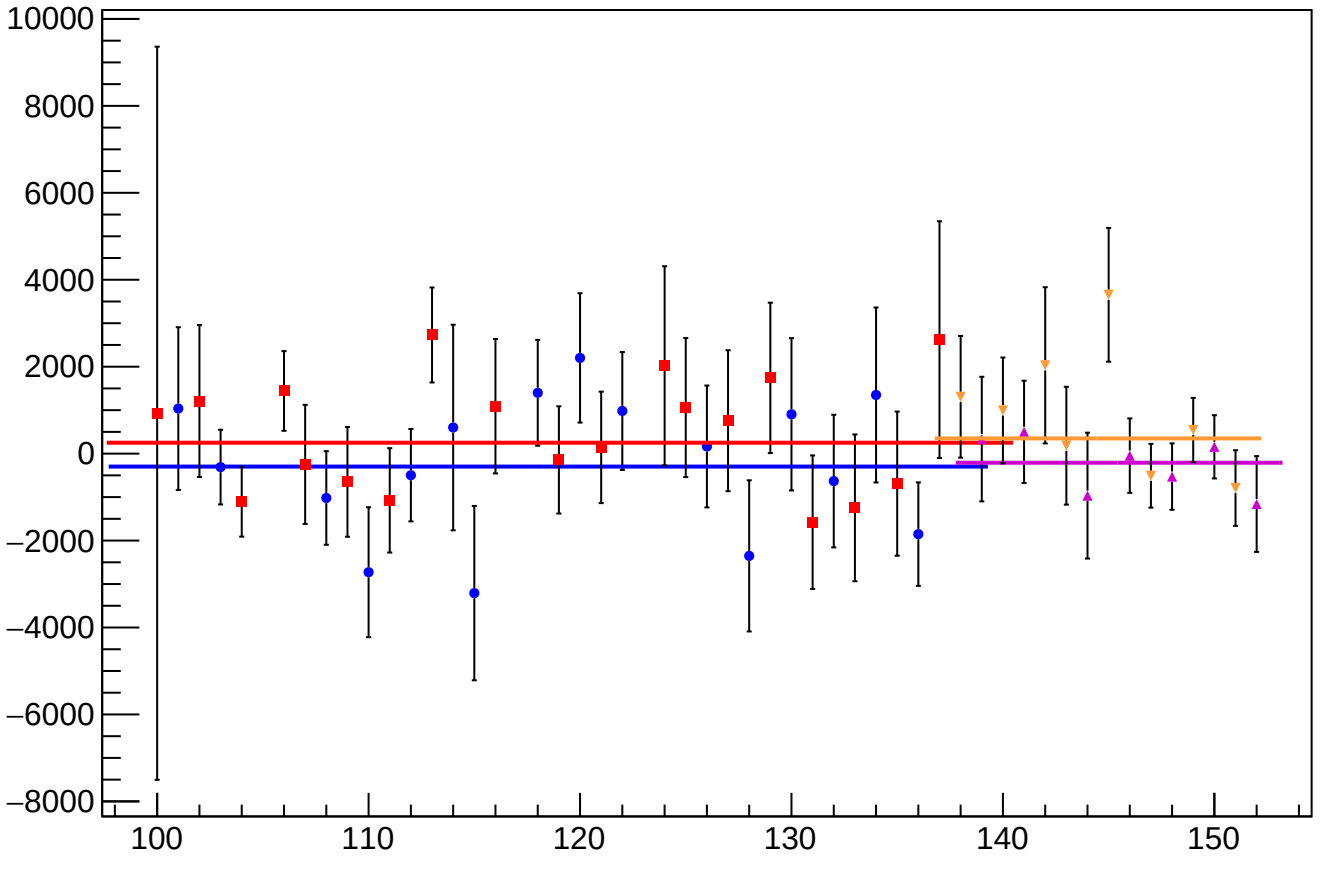
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1606.438+/-0.458 χ^2/NDF:301.4/6

+ sign 1632.650+/-0.319 χ^2/NDF: 672509.8/23

All: 1629.661+/-0.224 χ^2/NDF: 813170.5/49

- sign 1626.762+/-0.314 χ^2/NDF: 140487.7/25



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 350.203+/-365.822 χ^2/NDF:9.4/7

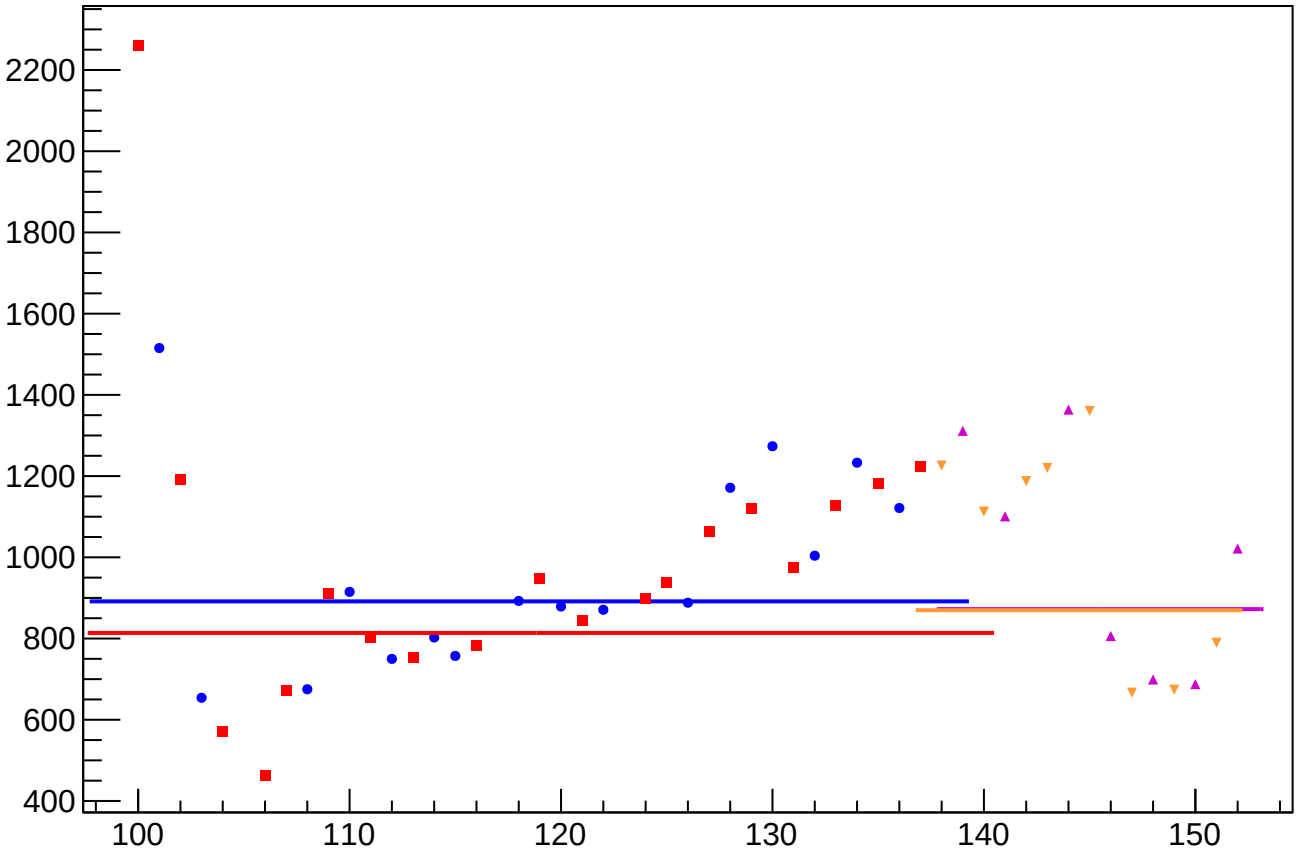
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -208.818+/-365.681 χ^2/NDF:2.0/6

+ sign 5.729+/-250.369 χ^2/NDF: 27.0/23

All: 31.372+/-172.873 χ^2/NDF: 47.2/49

- sign 54.736+/-238.988 χ^2/NDF: 20.2/25



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 869.757+/-0.259 χ^2/NDF:918867.0/7

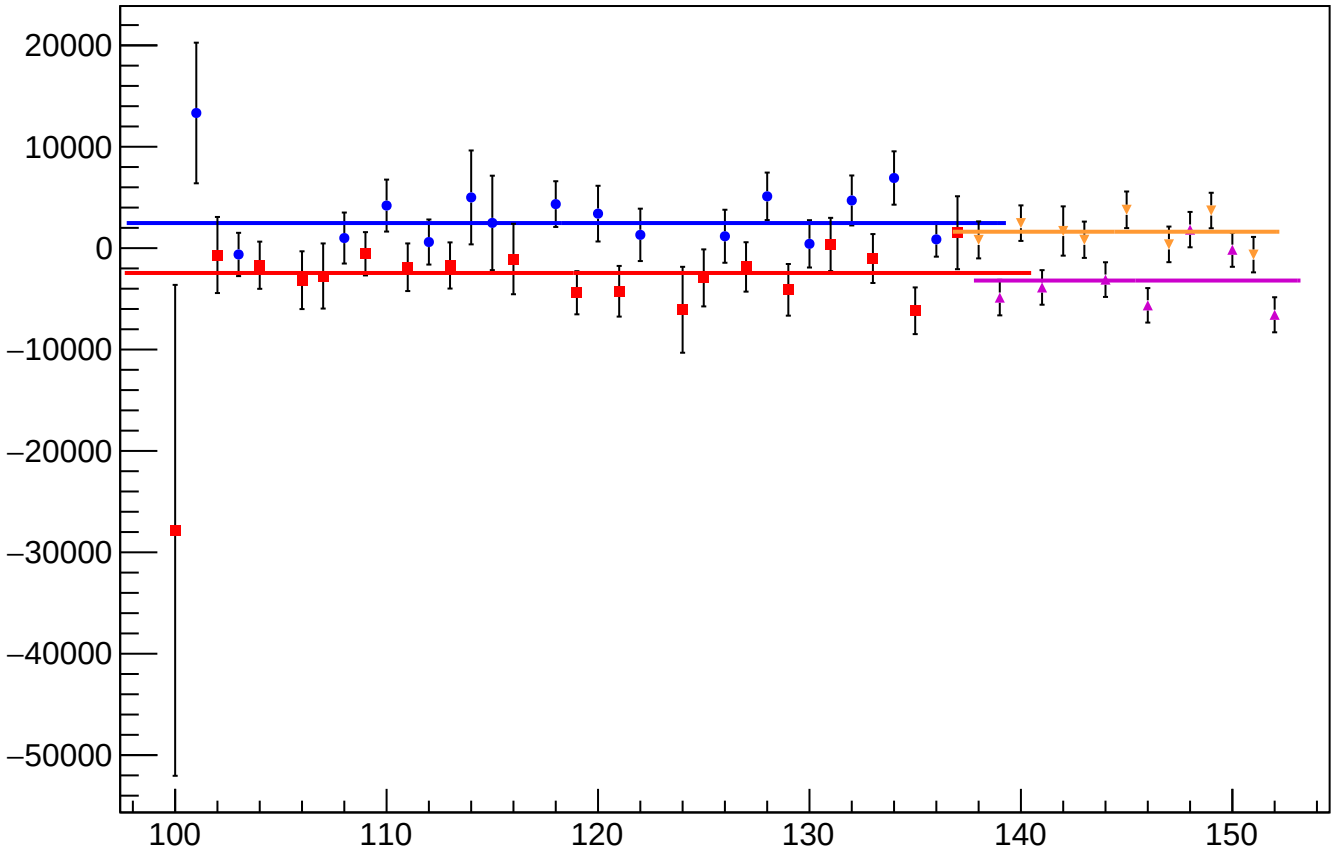
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 872.470+/-0.259 χ^2/NDF:773695.3/6

+ sign 881.333+/-0.177 χ^2/NDF: 1716291.4/23

All: 859.111+/-0.122 χ^2/NDF: 3602576.7/49

- sign 838.863+/-0.169 χ^2/NDF: 1856173.2/25



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1619.088+/-646.672 χ^2/NDF:5.7/7

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

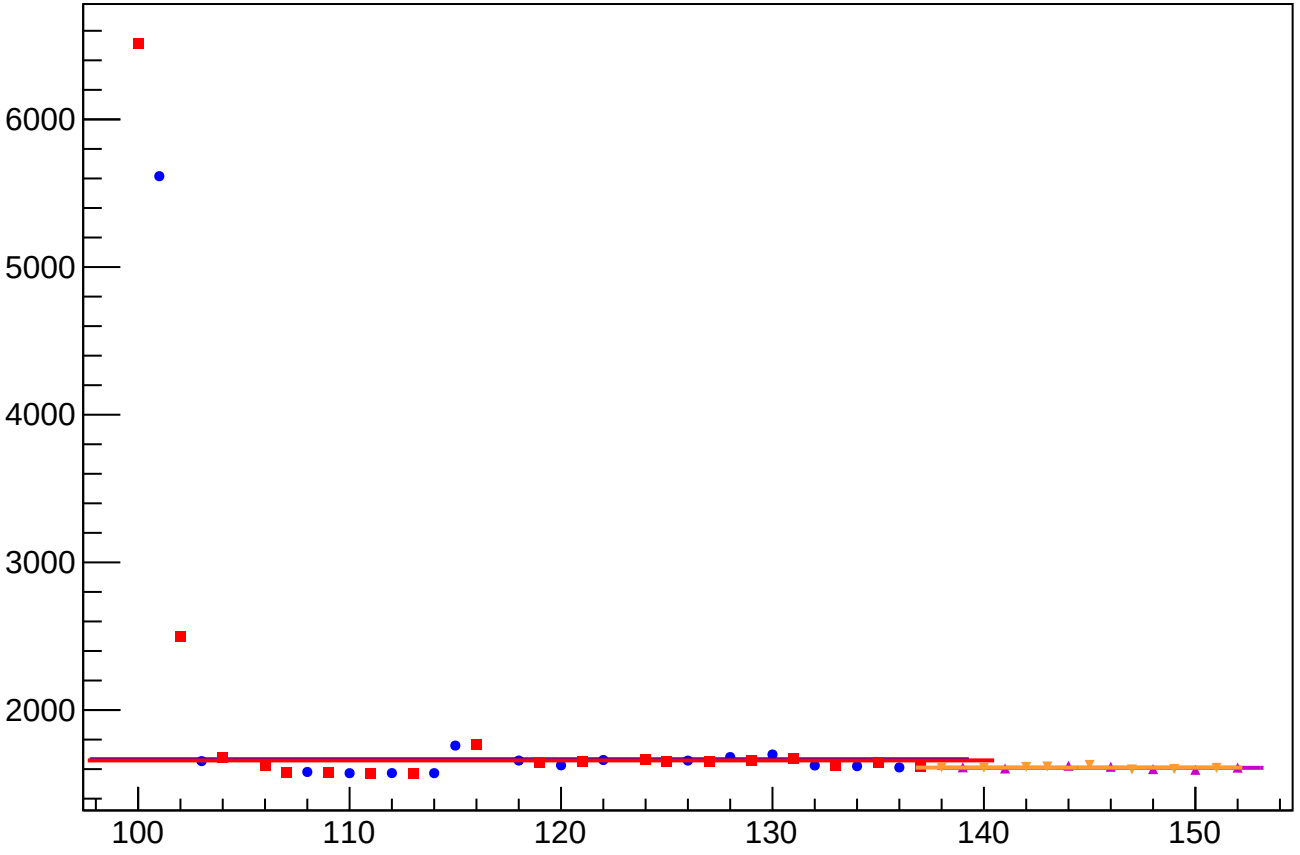
Left In: -3195.580+/-649.288 χ^2/NDF:18.5/6

+ sign 2055.720+/-452.671 χ^2/NDF: 20.8/23

All: -402.040+/-318.231 χ^2/NDF: 108.8/49

- sign -2803.615+/-447.467 χ^2/NDF: 29.7/25

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.464+/-0.457 χ^2/NDF:398.5/7

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

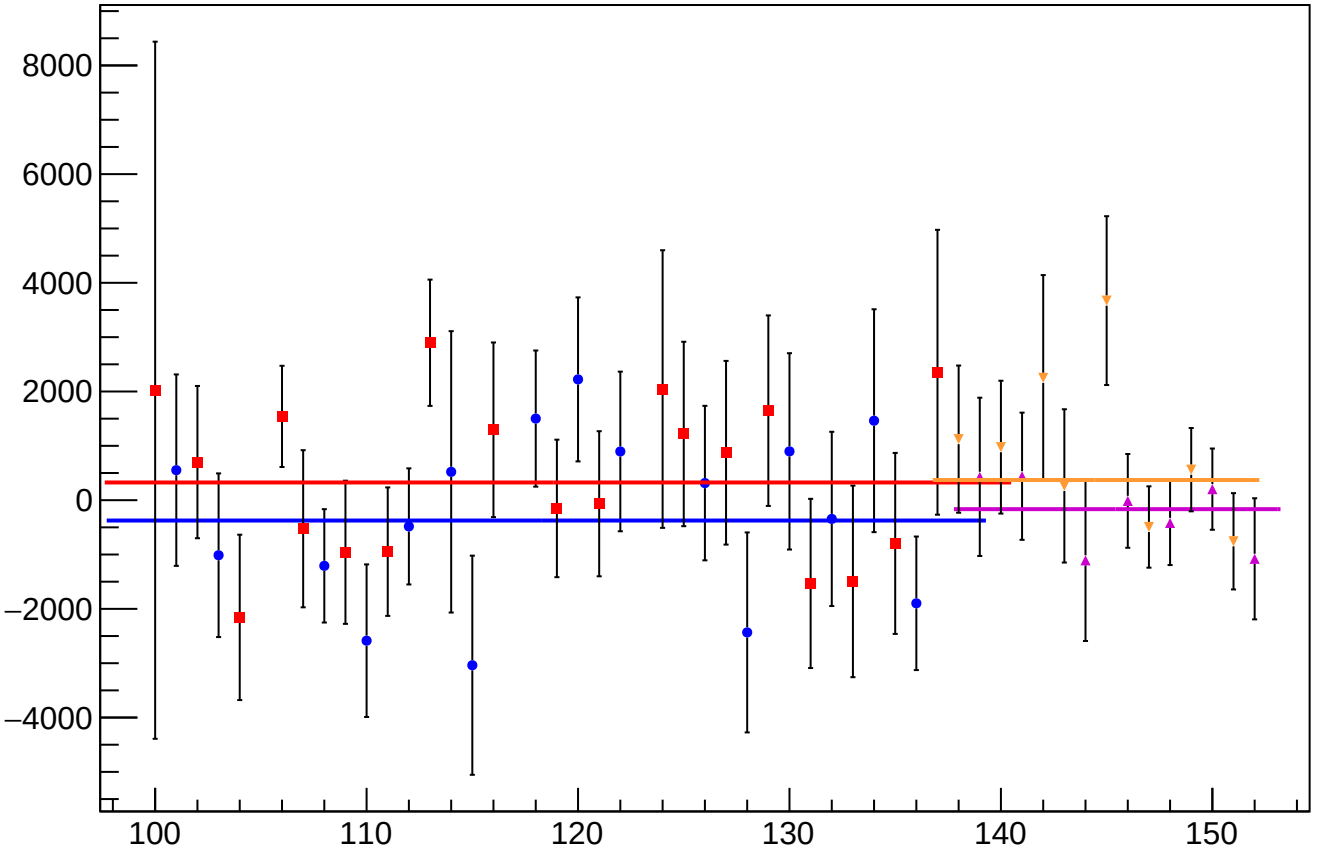
Left In: 1608.768+/-0.459 χ^2/NDF:371.2/6

+ sign 1638.991+/-0.320 χ^2/NDF: 670944.4/23

All: 1637.046+/-0.225 χ^2/NDF: 870898.8/49

- sign 1635.145+/-0.316 χ^2/NDF: 199881.3/25

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 370.842+/-373.411 χ^2/NDF:9.1/7

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

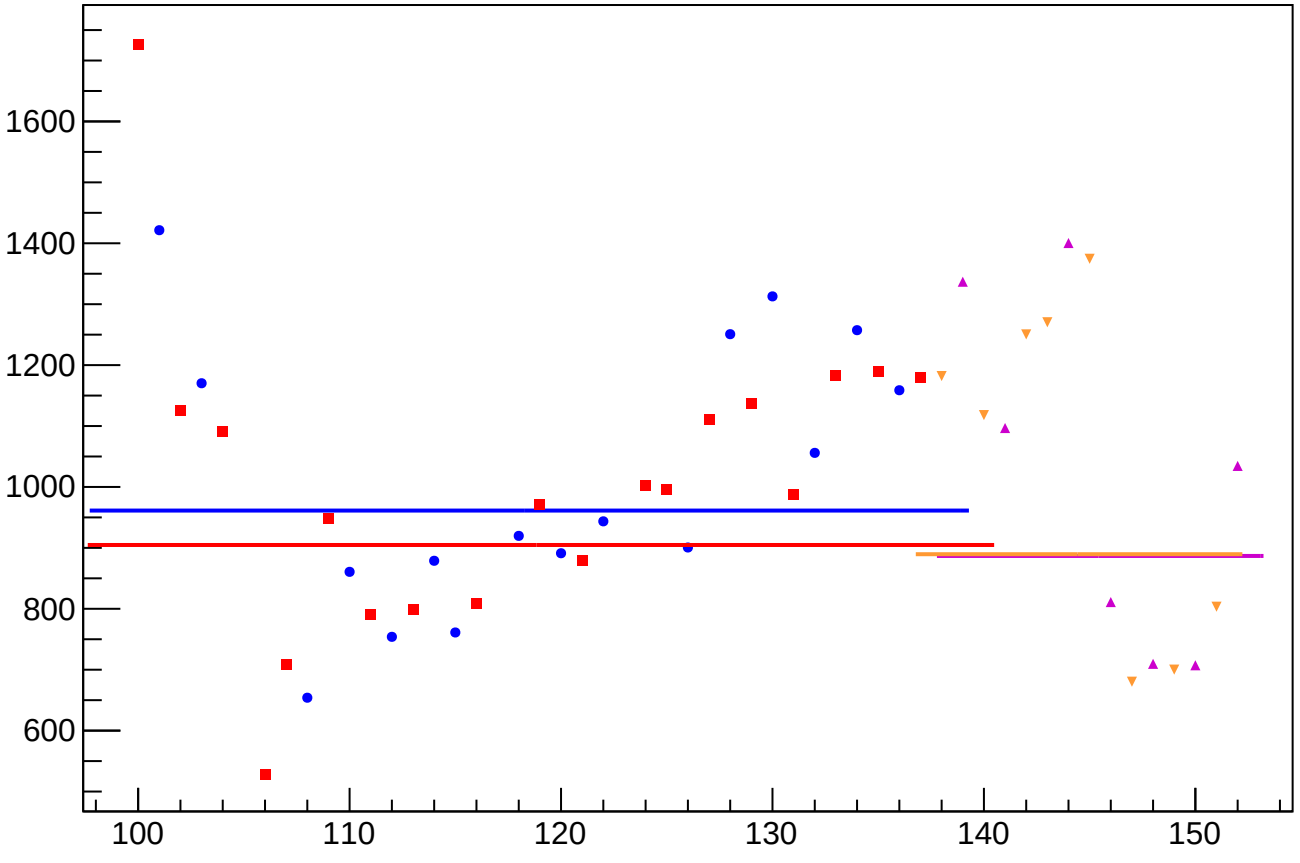
Left In: -165.206+/-371.180 χ^2/NDF:1.9/6

+ sign -7.371+/-262.087 χ^2/NDF: 26.8/23

All: 49.303+/-181.263 χ^2/NDF: 47.2/49

- sign 101.268+/-250.964 χ^2/NDF: 20.2/25

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 889.583+/-0.264 χ^2/NDF:874002.0/7

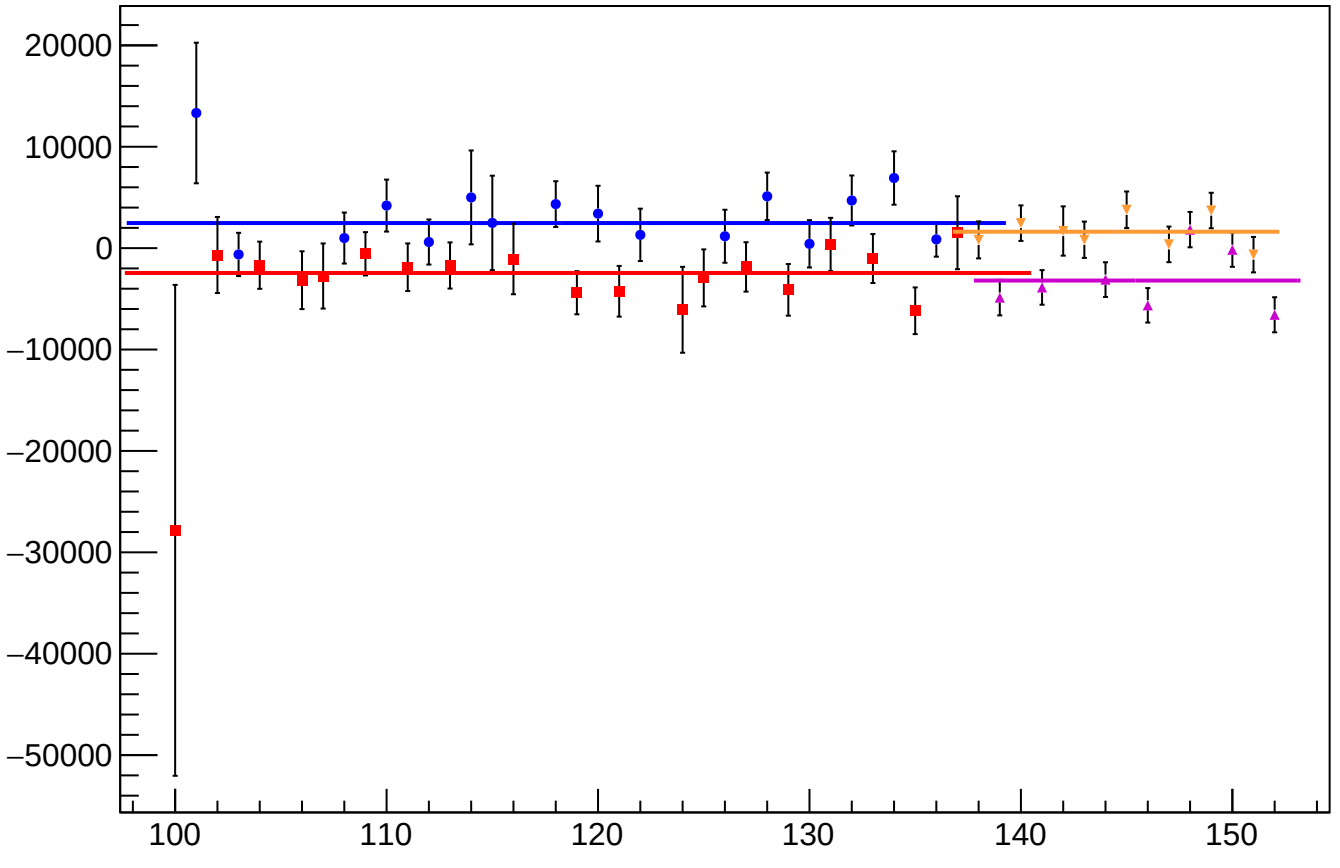
Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 886.747+/-0.262 χ^2/NDF:765246.8/6

+ sign 925.941+/-0.185 χ^2/NDF: 1603247.7/23

All: 910.589+/-0.128 χ^2/NDF: 3120684.3/49

- sign 896.512+/-0.177 χ^2/NDF: 1504281.8/25



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1619.090+/-646.672 χ^2/NDF:5.7/7

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

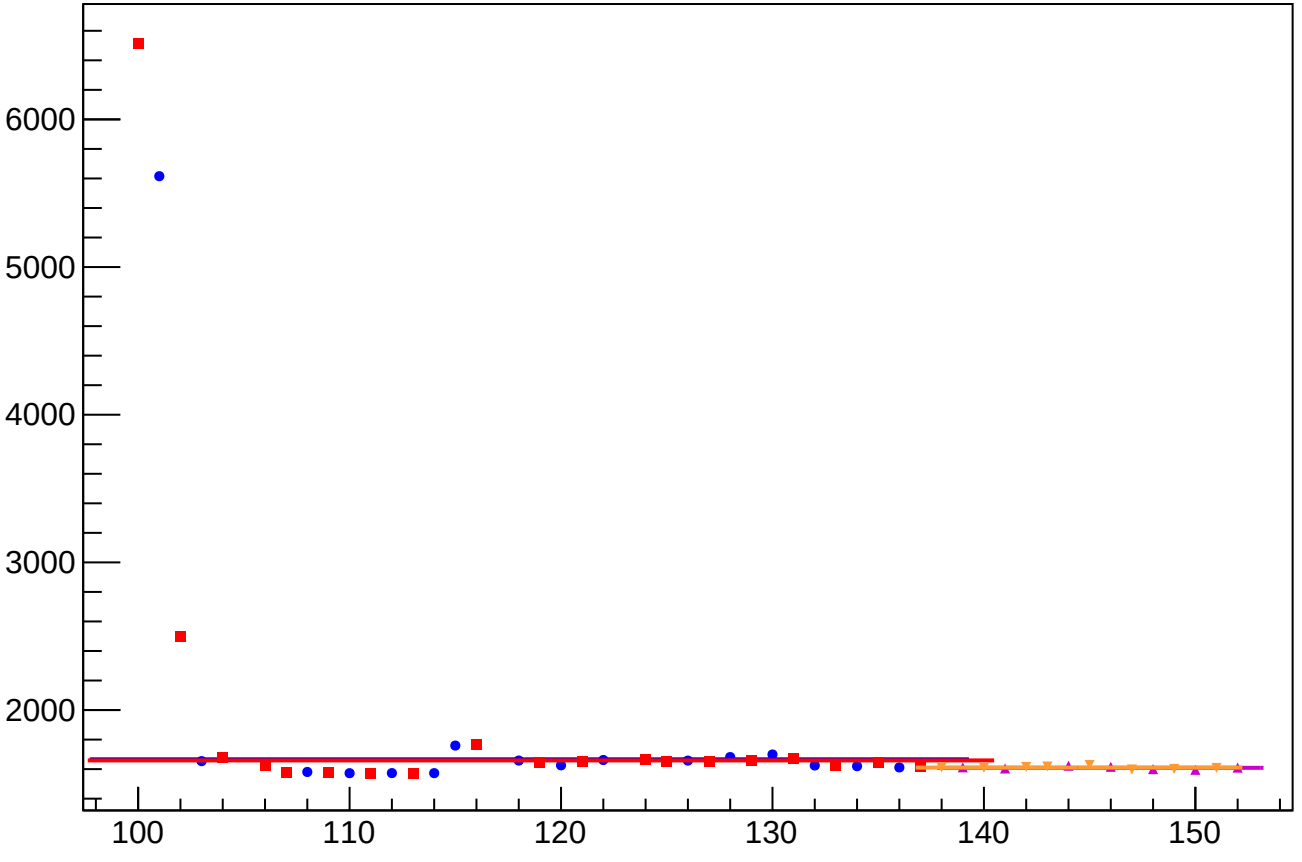
Left In: -3195.581+/-649.288 χ^2/NDF:18.5/6

+ sign 2055.720+/-452.671 χ^2/NDF: 20.8/23

All: -402.040+/-318.231 χ^2/NDF: 108.8/49

- sign -2803.615+/-447.467 χ^2/NDF: 29.7/25

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.464+/-0.457 χ^2/NDF:398.5/7

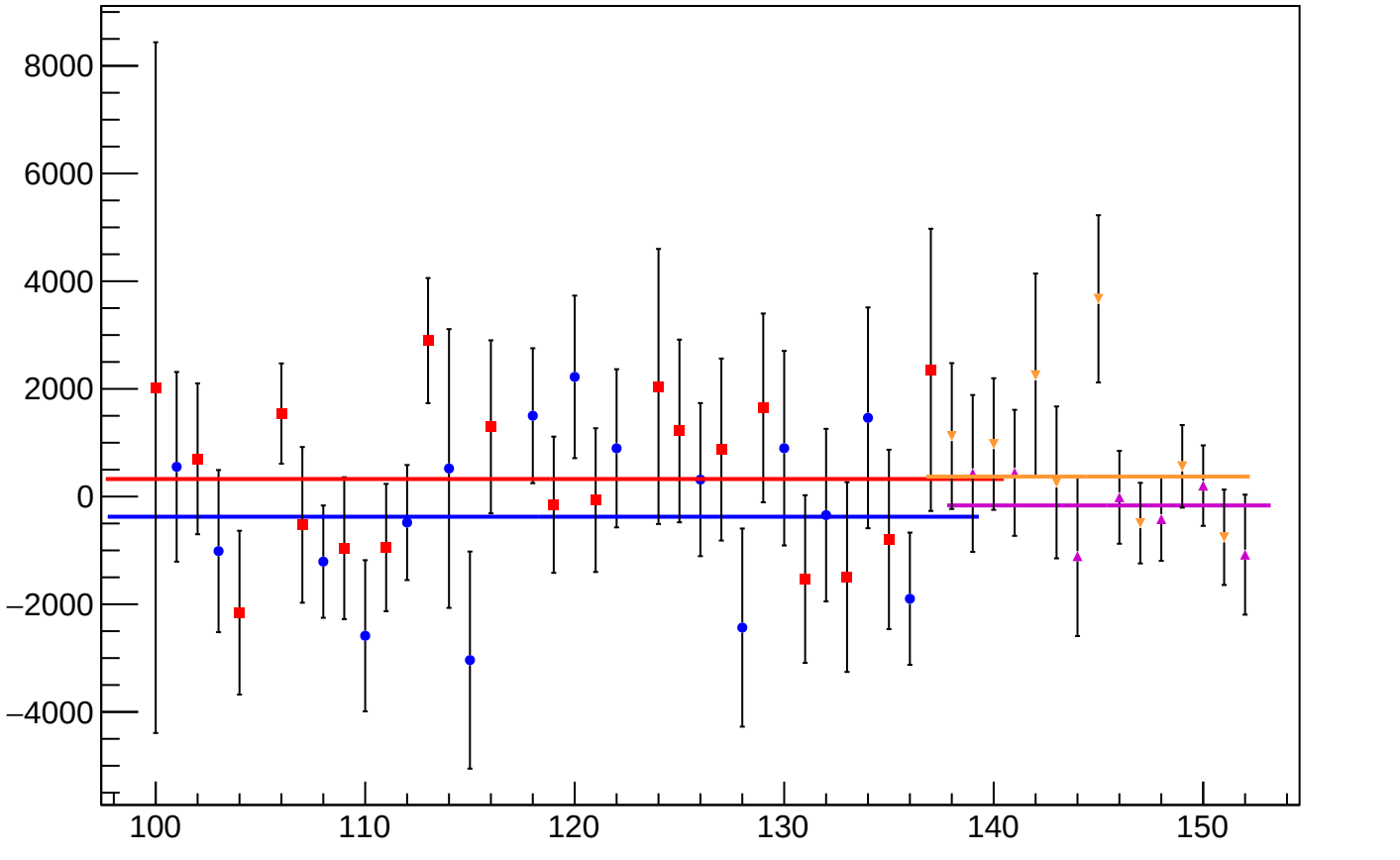
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1608.768+/-0.459 χ^2/NDF:371.2/6

+ sign 1638.991+/-0.320 χ^2/NDF: 670944.4/23

All: 1637.046+/-0.225 χ^2/NDF: 870898.5/49

- sign 1635.145+/-0.316 χ^2/NDF: 199881.1/25



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 370.841+/-373.412 χ^2/NDF:9.1/7

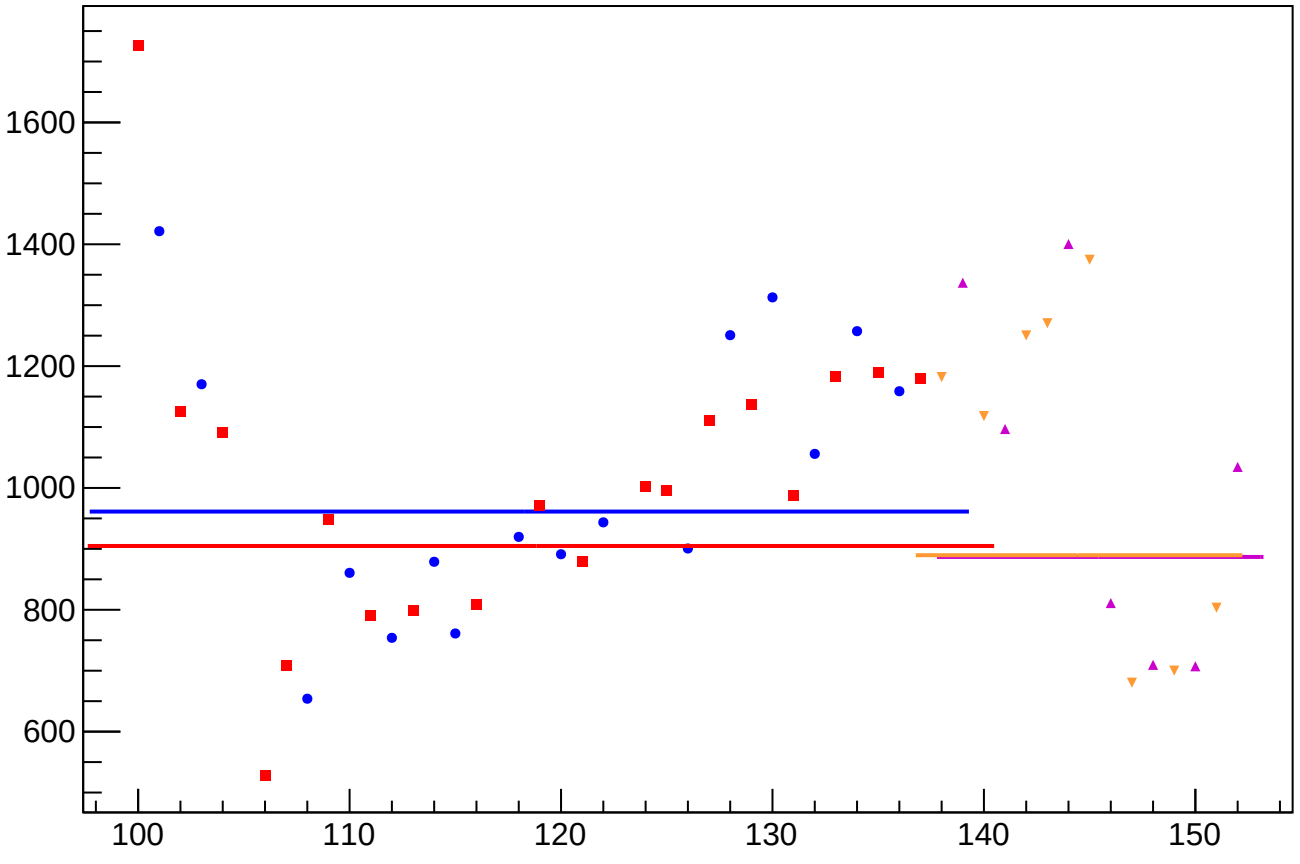
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -165.207+/-371.181 χ^2/NDF:1.9/6

\+ sign -7.373+/-262.087 χ^2/NDF: 26.8/23

All: 49.302+/-181.263 χ^2/NDF: 47.2/49

\- sign 101.269+/-250.964 χ^2/NDF: 20.2/25



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 889.585+/-0.264 χ^2/NDF:874003.0/7

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

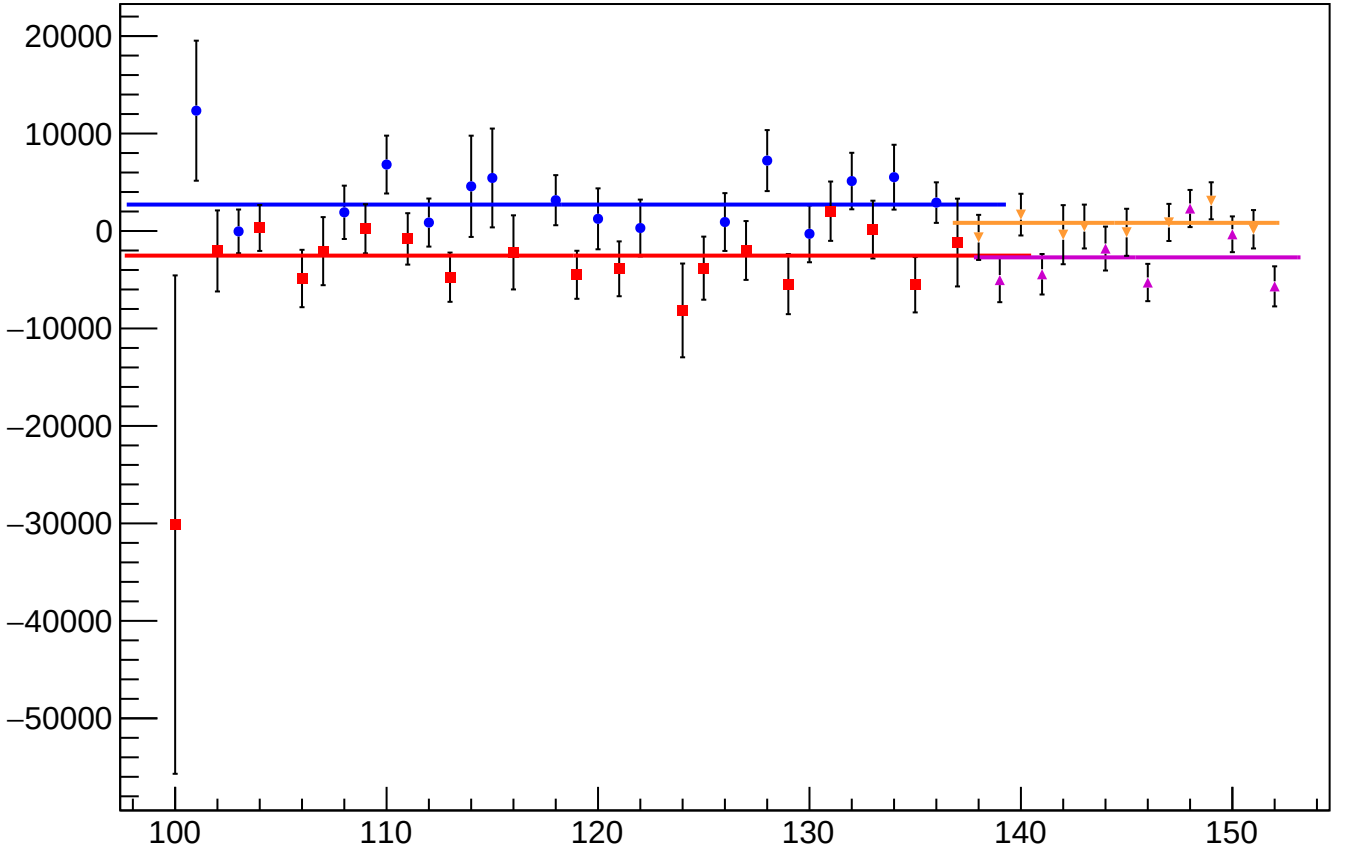
Left In: 886.748+/-0.262 χ^2/NDF:765248.4/6

+ sign 925.940+/-0.185 χ^2/NDF: 1603251.0/23

All: 910.588+/-0.128 χ^2/NDF: 3120685.1/49

- sign 896.512+/-0.177 χ^2/NDF: 1504279.6/25

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 836.537+/-768.313 χ^2/NDF:2.5/7

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

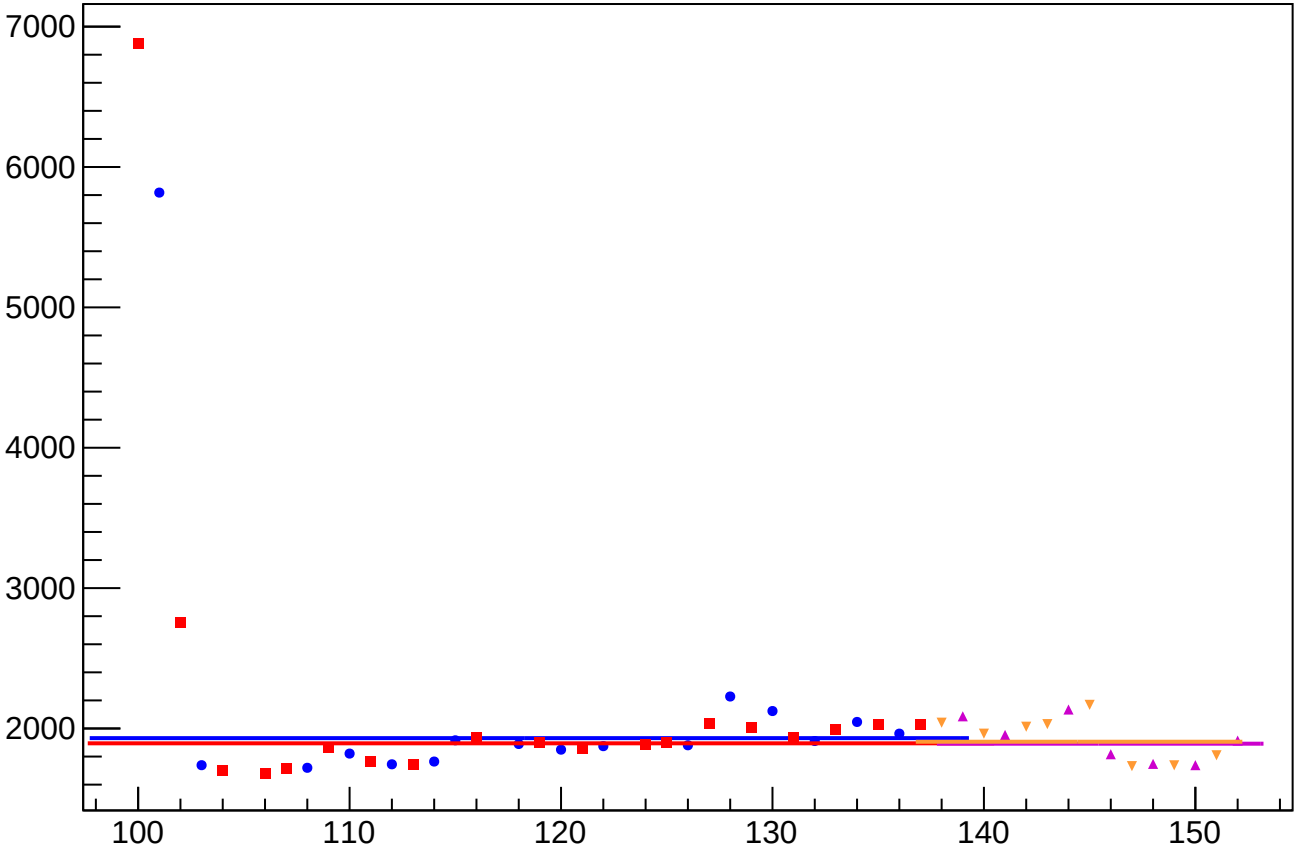
Left In: -2705.073+/-766.023 χ^2/NDF:14.4/6

+ sign 1815.379+/-531.143 χ^2/NDF: 17.7/23

All: -446.115+/-371.325 χ^2/NDF: 80.8/49

- sign -2608.053+/-519.321 χ^2/NDF: 27.7/25

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1905.676+/-0.543 χ^2/NDF:77864.5/7

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

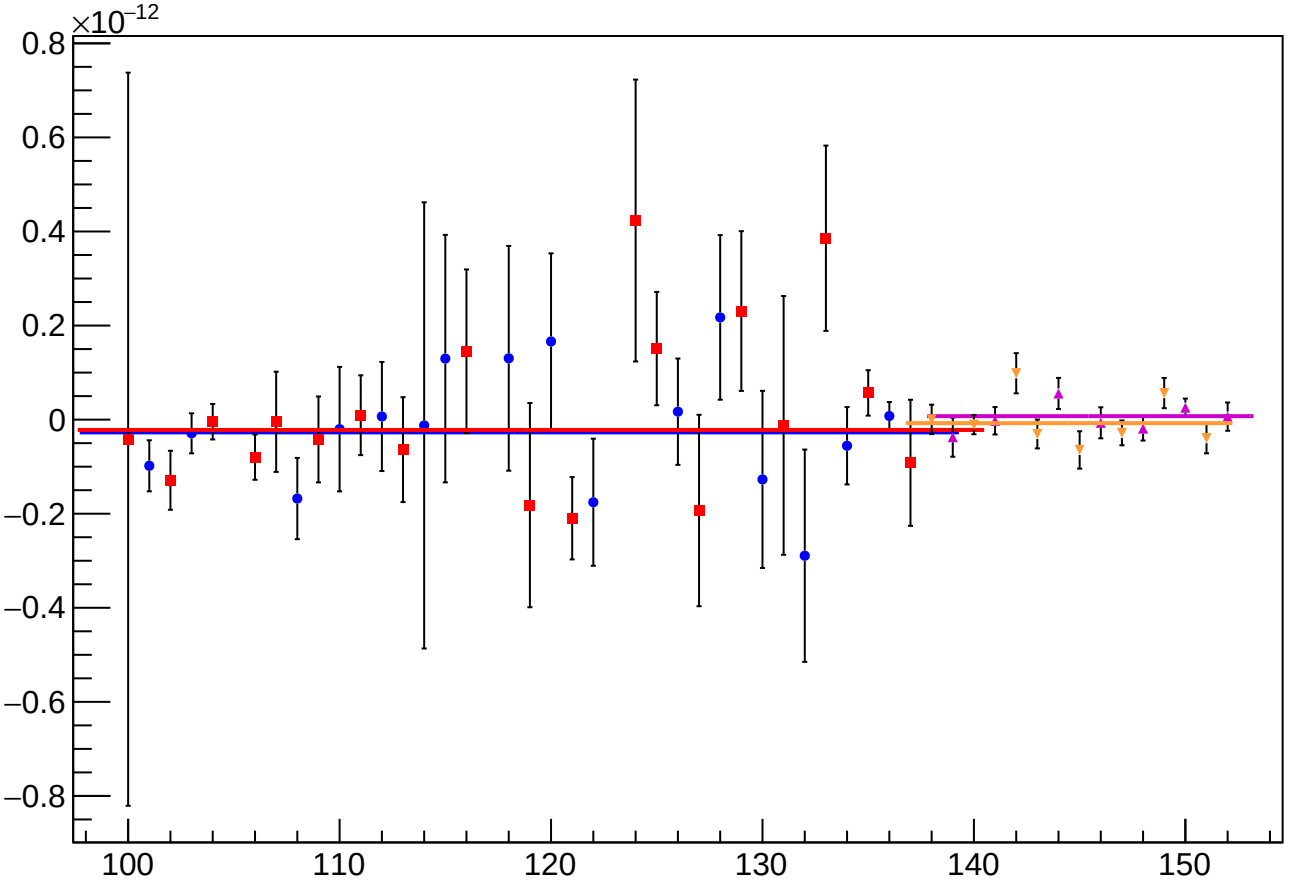
Left In: 1891.684+/-0.542 χ^2/NDF:68496.5/6

+ sign 1919.028+/-0.376 χ^2/NDF: 740248.5/23

All: 1905.784+/-0.263 χ^2/NDF: 1031731.2/49

- sign 1893.124+/-0.367 χ^2/NDF: 289050.6/25

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/7

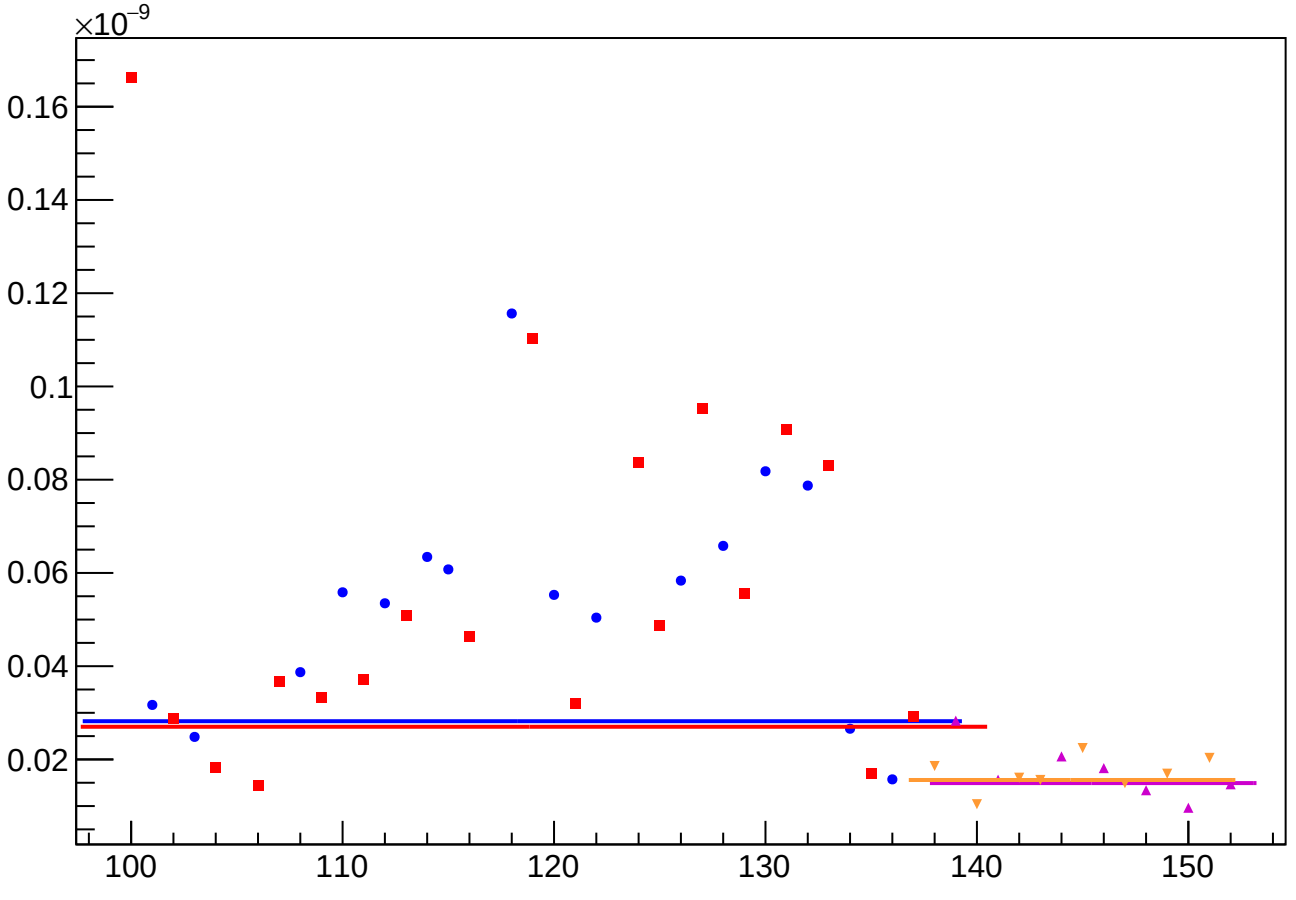
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 28.0/23

All: -0.000+/-0.000 χ^2/NDF: 61.6/49

- sign 0.000+/-0.000 χ^2/NDF: 32.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:257116.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

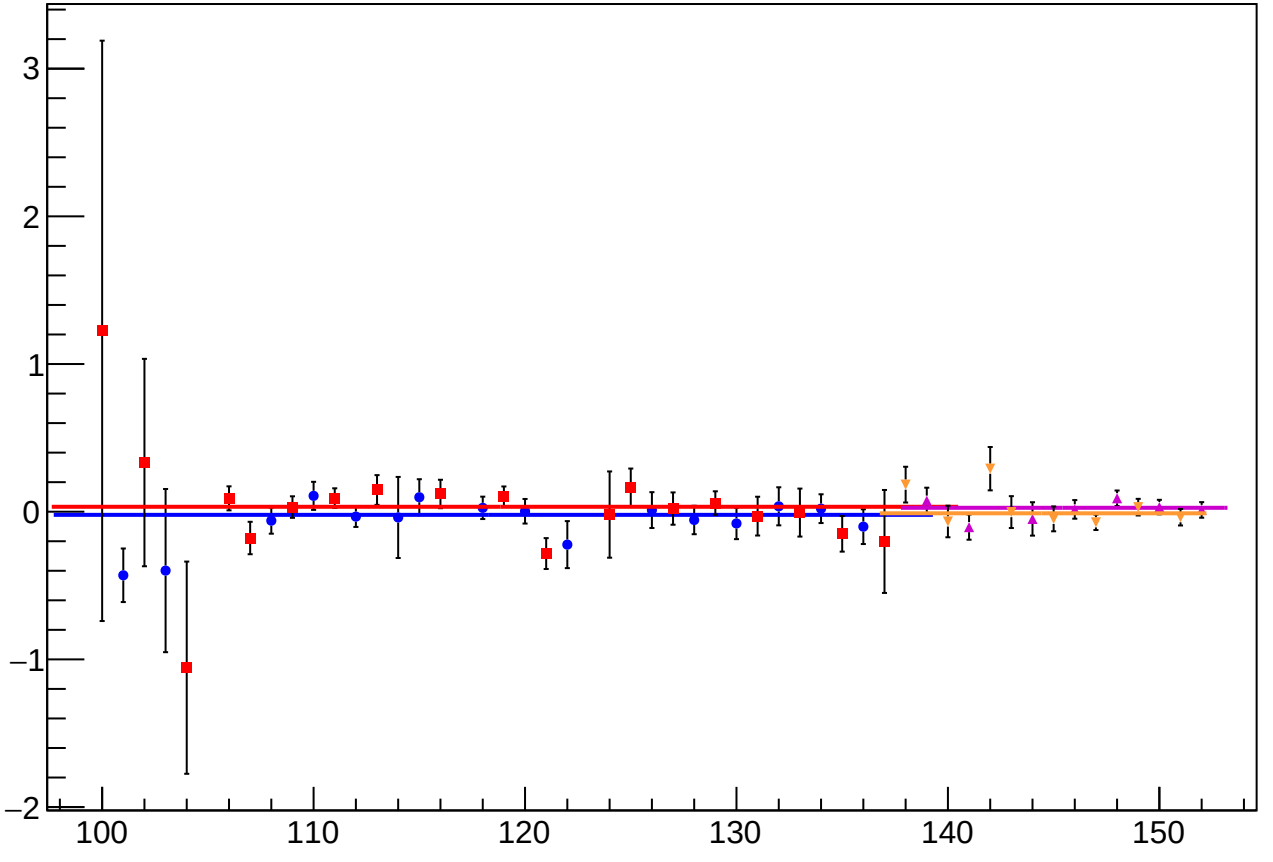
Left In: 0.000+/-0.000 χ^2/NDF:444596.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 2413024.9/23

All: 0.000+/-0.000 χ^2/NDF: 5020045.9/49

- sign 0.000+/-0.000 χ^2/NDF: 2599636.4/25

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: -0.011+/-0.026 χ^2/NDF:9.4/7

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

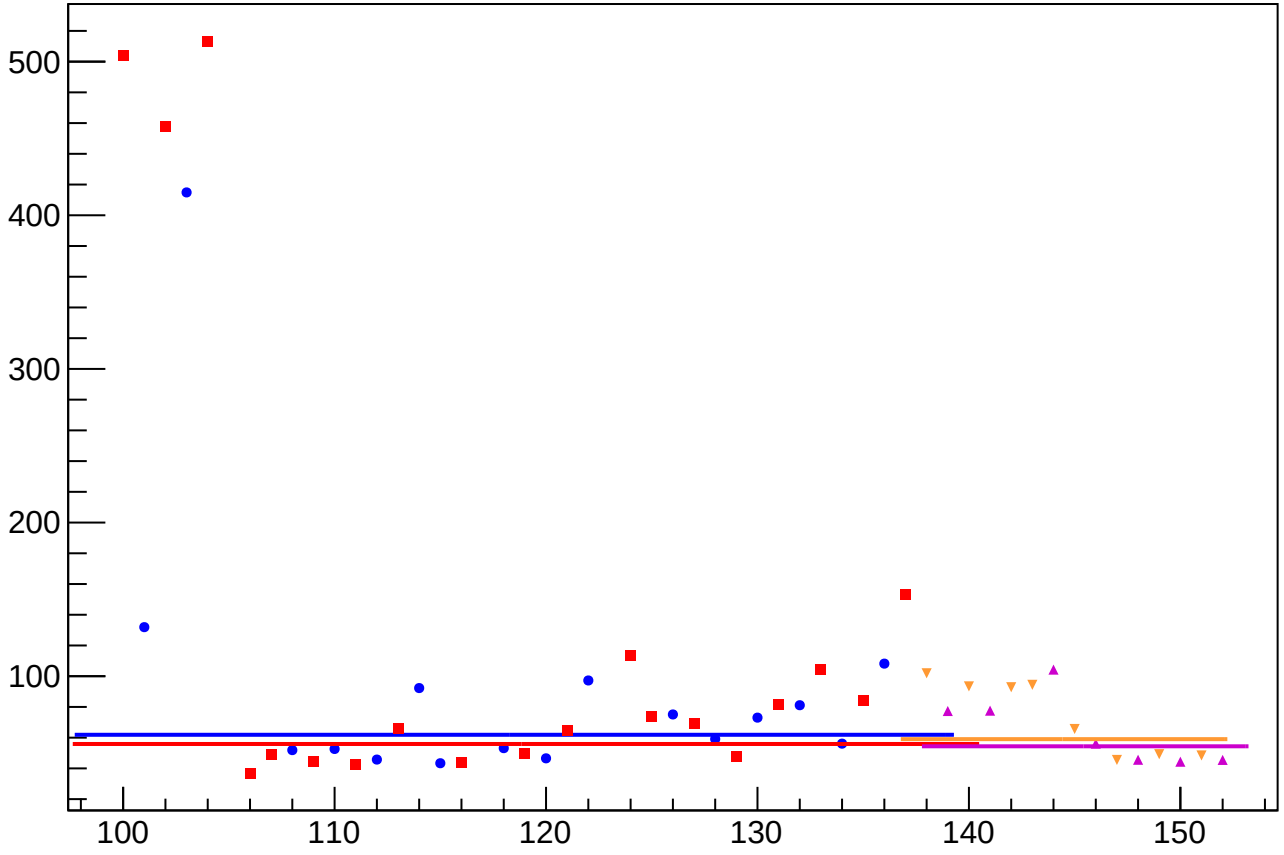
Left In: 0.026+/-0.024 χ^2/NDF:4.7/6

+ sign -0.016+/-0.019 χ^2/NDF: 21.5/23

All: 0.009+/-0.013 χ^2/NDF: 53.9/49

- sign 0.030+/-0.017 χ^2/NDF: 29.1/25

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: 59.037+/-0.019 χ^2/NDF:1057246.7/7

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

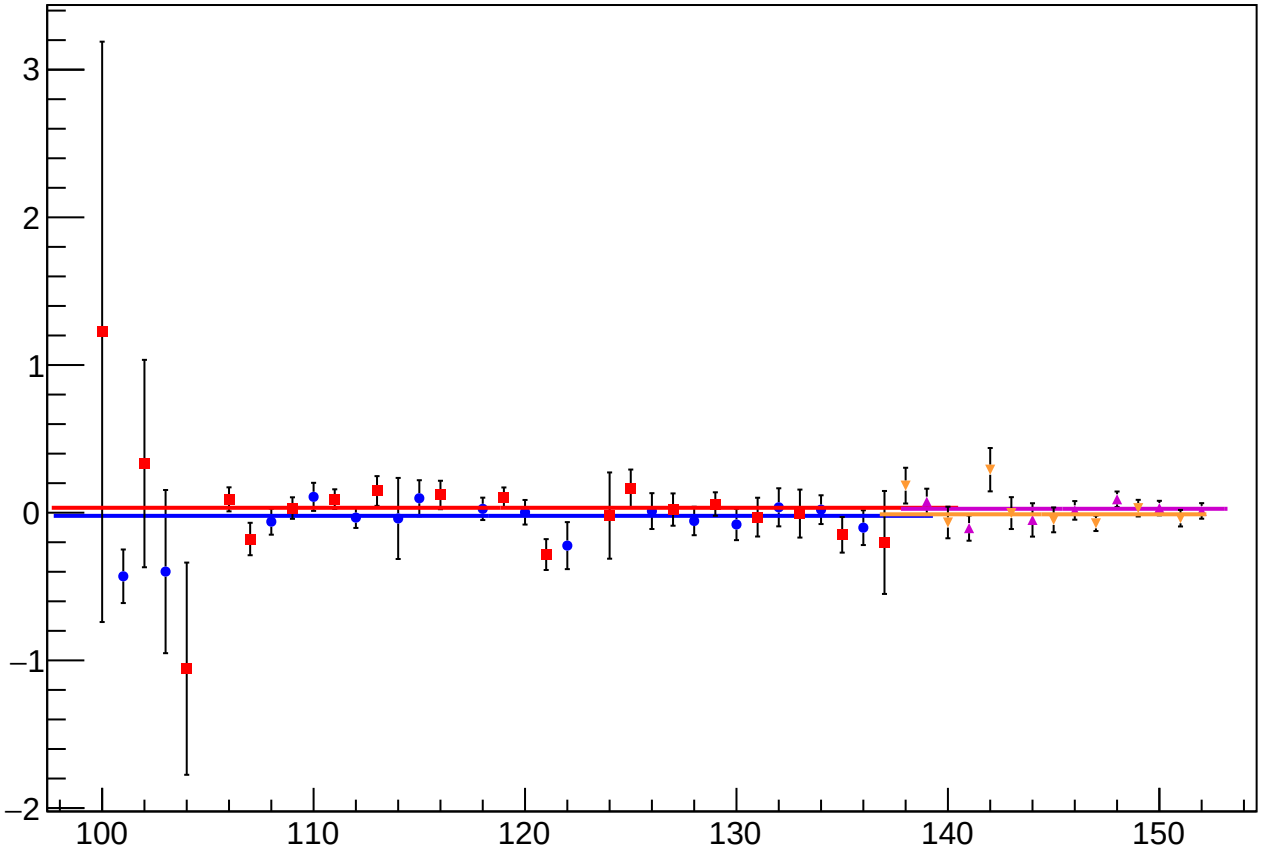
Left In: 54.383+/-0.017 χ^2/NDF:871259.4/6

+ sign 60.449+/-0.013 χ^2/NDF: 3006687.6/23

All: 57.554+/-0.009 χ^2/NDF: 6561058.2/49

- sign 55.118+/-0.012 χ^2/NDF: 3466364.9/25

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.011+/-0.026 χ^2/NDF:9.4/7

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

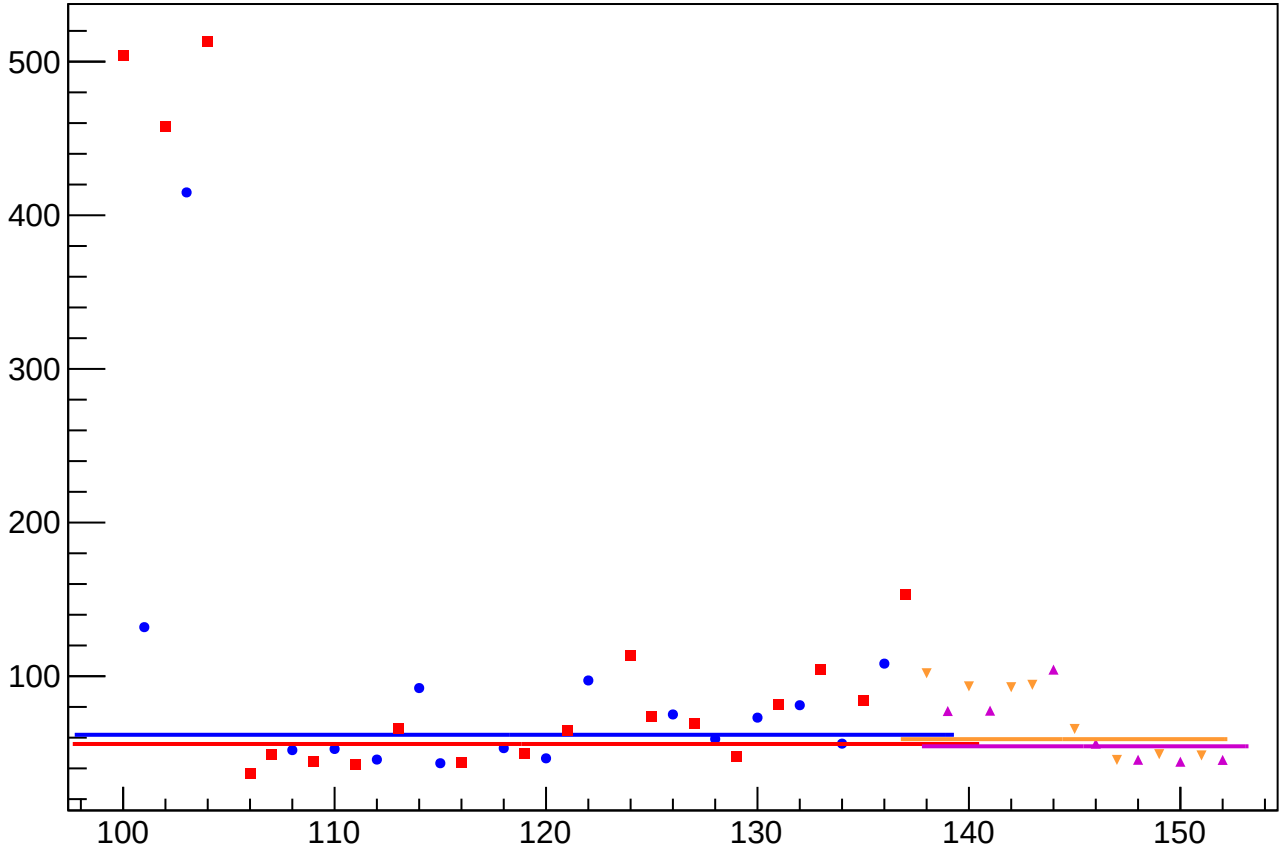
Left In: 0.026+/-0.024 χ^2/NDF:4.7/6

+ sign -0.016+/-0.019 χ^2/NDF: 21.5/23

All: 0.009+/-0.013 χ^2/NDF: 53.9/49

- sign 0.030+/-0.017 χ^2/NDF: 29.1/25

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: 59.037+/-0.019 χ^2/NDF:1057246.7/7

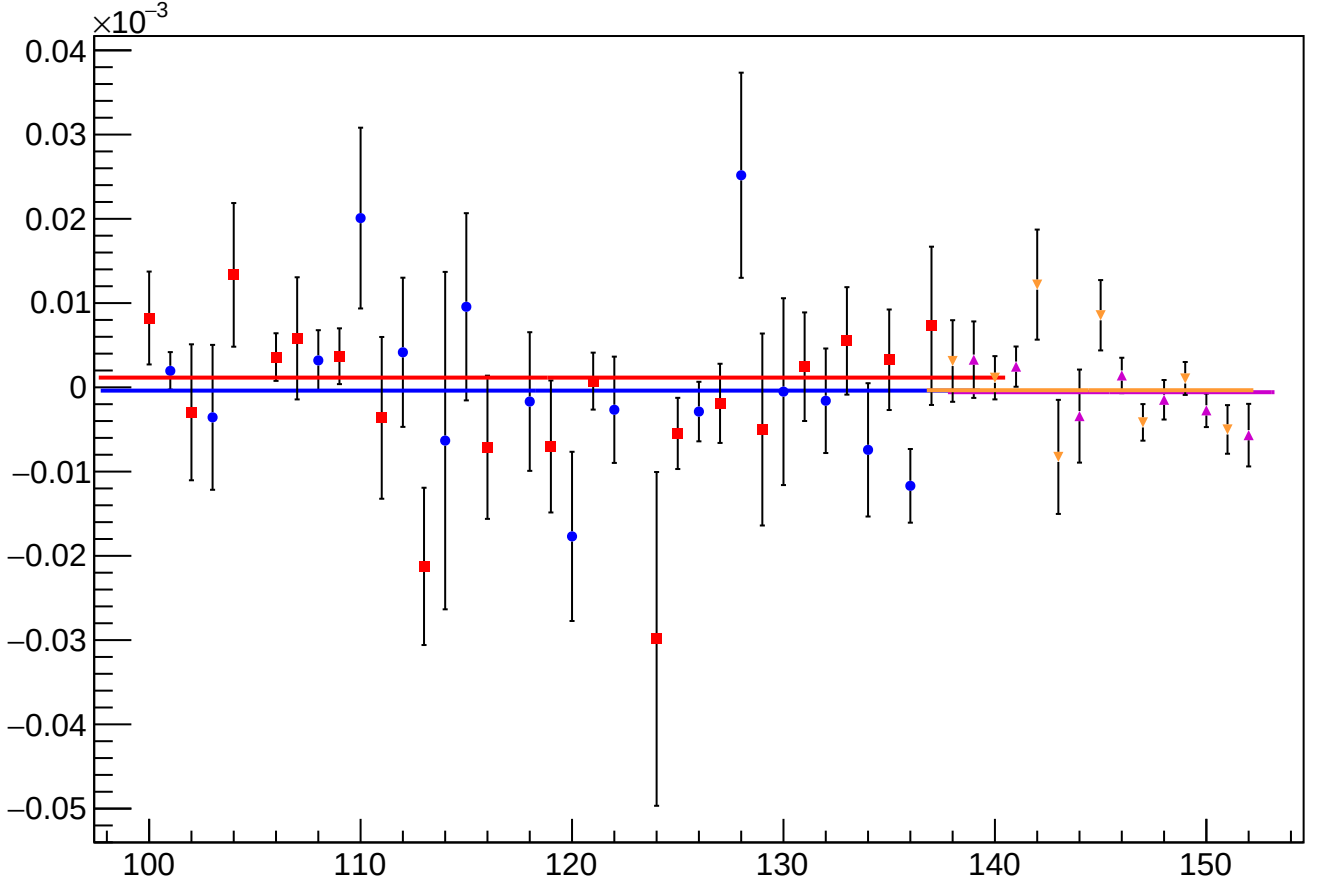
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.383+/-0.017 χ^2/NDF:871259.4/6

+ sign 60.449+/-0.013 χ^2/NDF: 3006687.6/23

All: 57.554+/-0.009 χ^2/NDF: 6561058.2/49

- sign 55.118+/-0.012 χ^2/NDF: 3466364.9/25



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/7

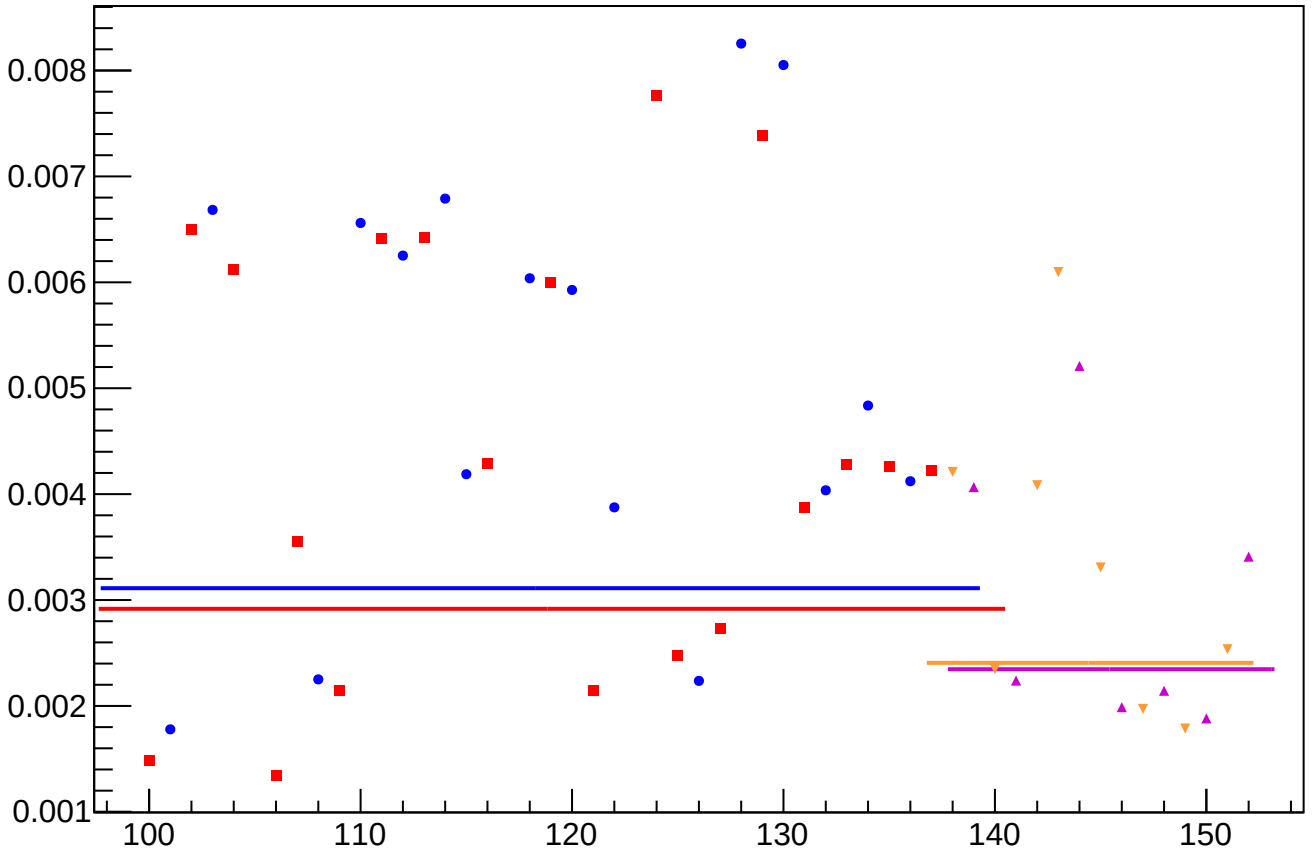
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/23

All: -0.000+/-0.000 χ^2/NDF: 67.7/49

- sign 0.000+/-0.000 χ^2/NDF: 28.3/25



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:1382899.6/7

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

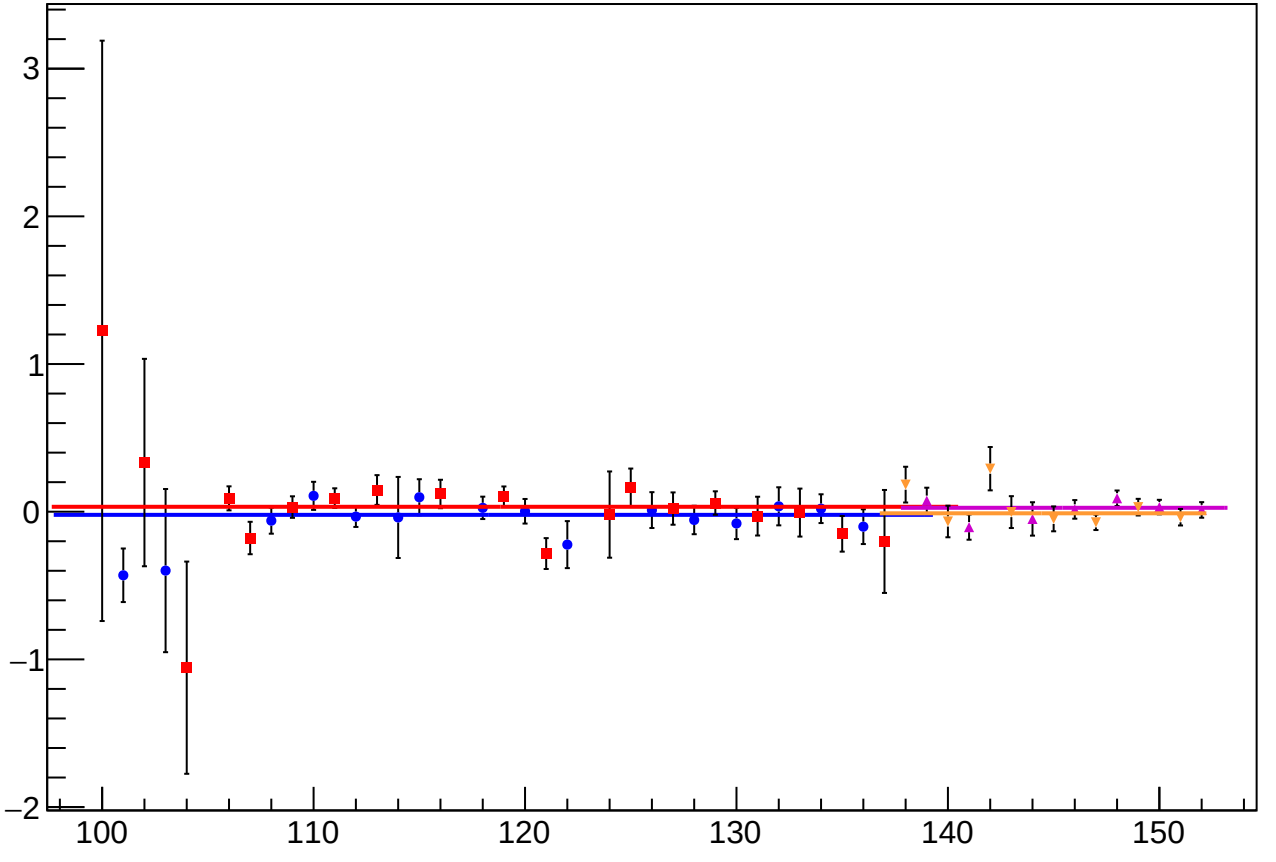
Left In: 0.002+/-0.000 χ^2/NDF:1174960.8/6

+ sign 0.003+/-0.000 χ^2/NDF: 5009969.8/23

All: 0.003+/-0.000 χ^2/NDF: 9751361.7/49

- sign 0.003+/-0.000 χ^2/NDF: 4722768.0/25

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: -0.011+/-0.026 χ^2/NDF:9.4/7

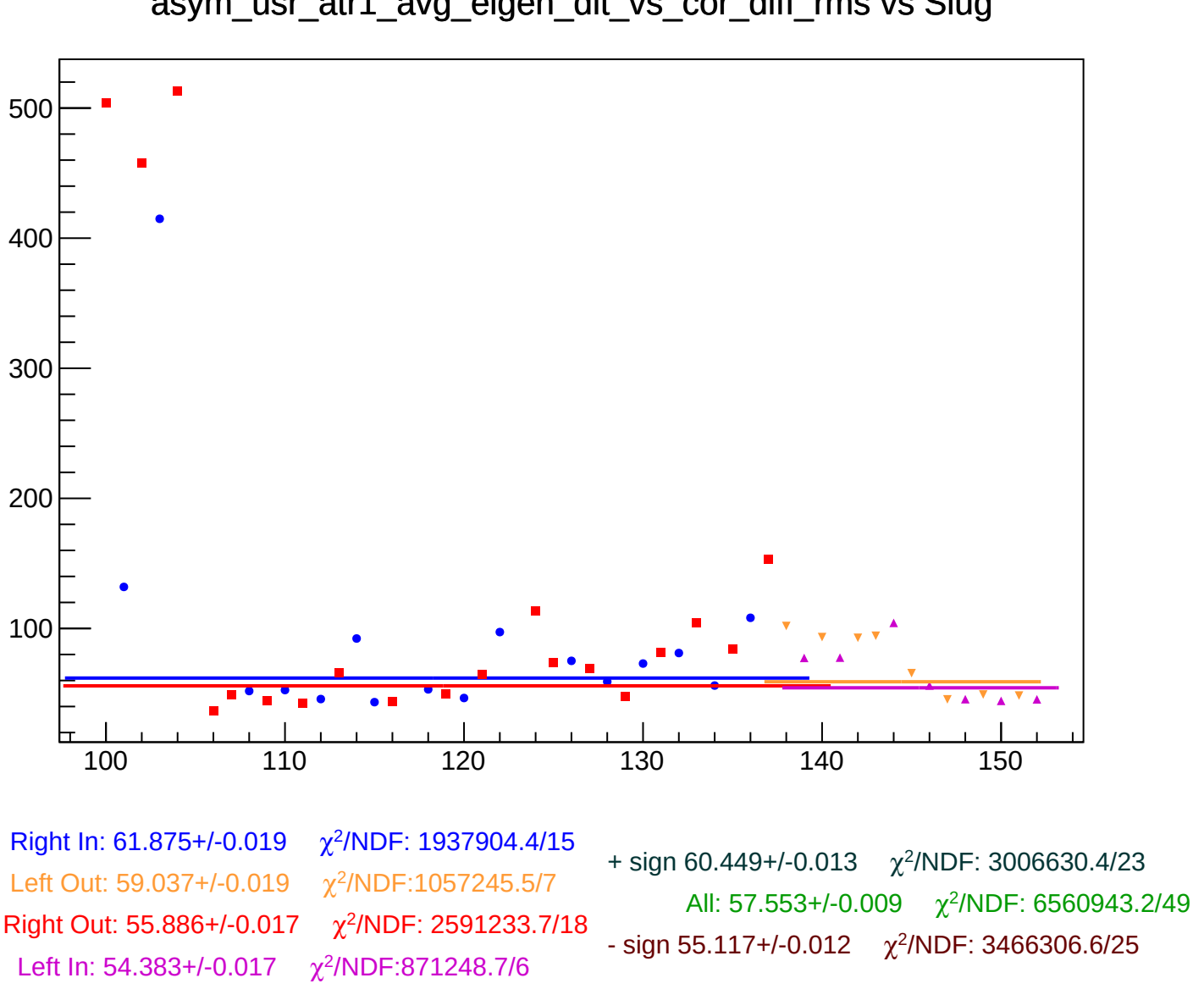
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.026+/-0.024 χ^2/NDF:4.7/6

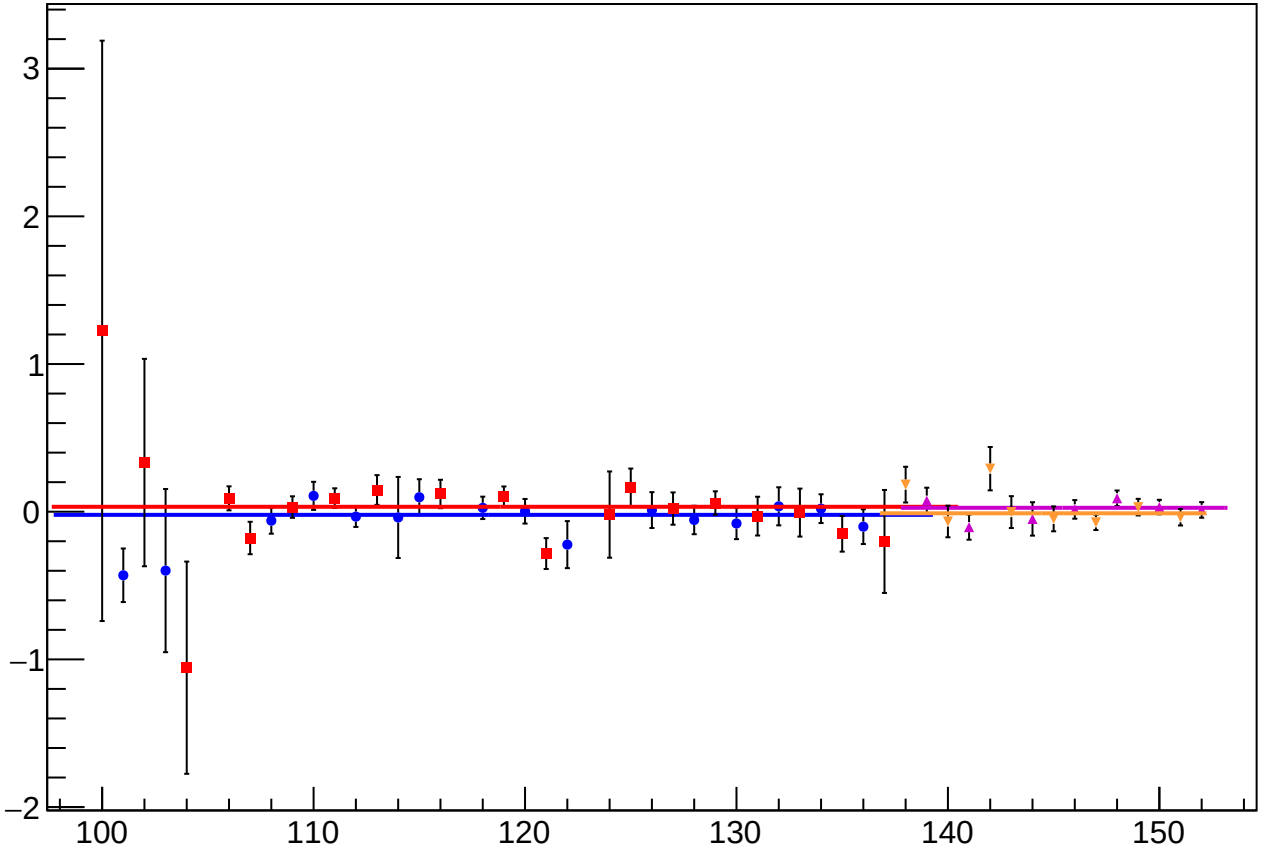
+ sign -0.016+/-0.019 χ^2/NDF: 21.5/23

All: 0.009+/-0.013 χ^2/NDF: 53.9/49

- sign 0.030+/-0.017 χ^2/NDF: 29.1/25


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
Right In: 61.875+/-0.019 χ²/NDF: 1937904.4/15
Left Out: 59.037+/-0.019 χ²/NDF:1057245.5/7
Right Out: 55.886+/-0.017 χ²/NDF: 2591233.7/18
Left In: 54.383+/-0.017 χ²/NDF:871248.7/6
+ sign 60.449+/-0.013 χ²/NDF: 3006630.4/23
All: 57.553+/-0.009 χ²/NDF: 6560943.2/49
- sign 55.117+/-0.012 χ²/NDF: 3466306.6/25

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: -0.011+/-0.026 χ^2/NDF:9.4/7

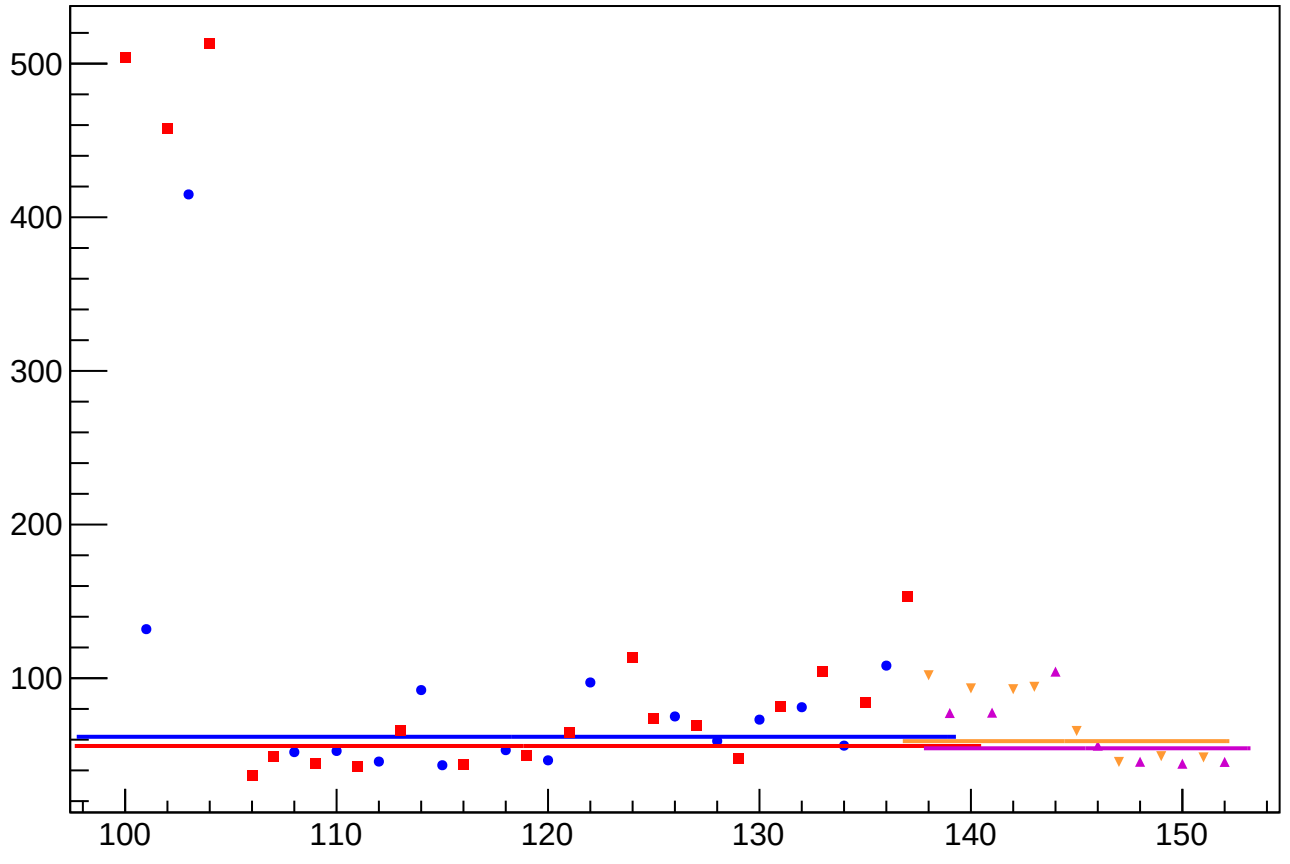
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.026+/-0.024 χ^2/NDF:4.7/6

+ sign -0.016+/-0.019 χ^2/NDF: 21.5/23

All: 0.009+/-0.013 χ^2/NDF: 53.9/49

- sign 0.030+/-0.017 χ^2/NDF: 29.1/25



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 59.037+/-0.019 χ^2/NDF:1057245.5/7

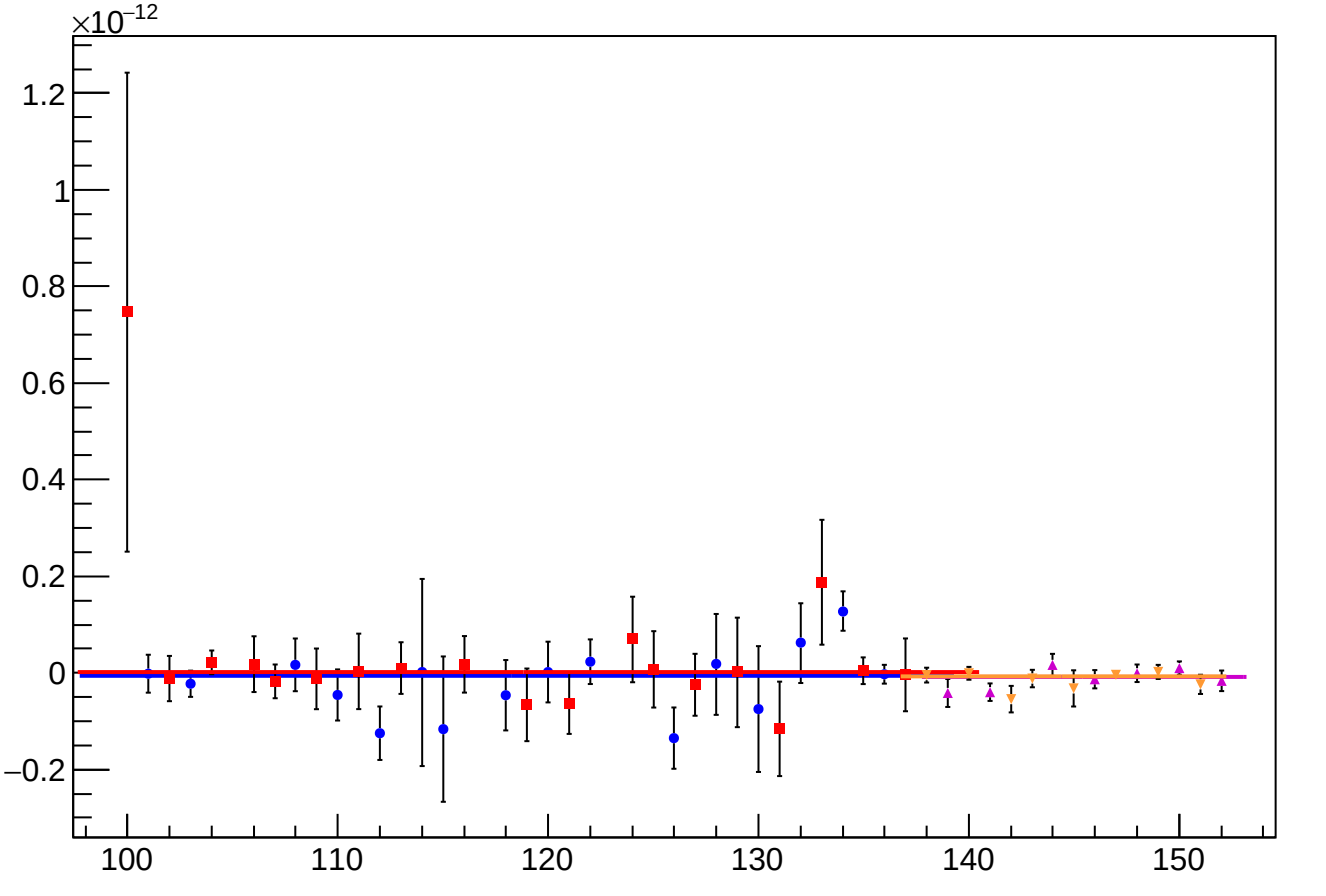
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.383+/-0.017 χ^2/NDF:871248.7/6

+ sign 60.449+/-0.013 χ^2/NDF: 3006630.4/23

All: 57.553+/-0.009 χ^2/NDF: 6560943.2/49

- sign 55.117+/-0.012 χ^2/NDF: 3466306.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/7

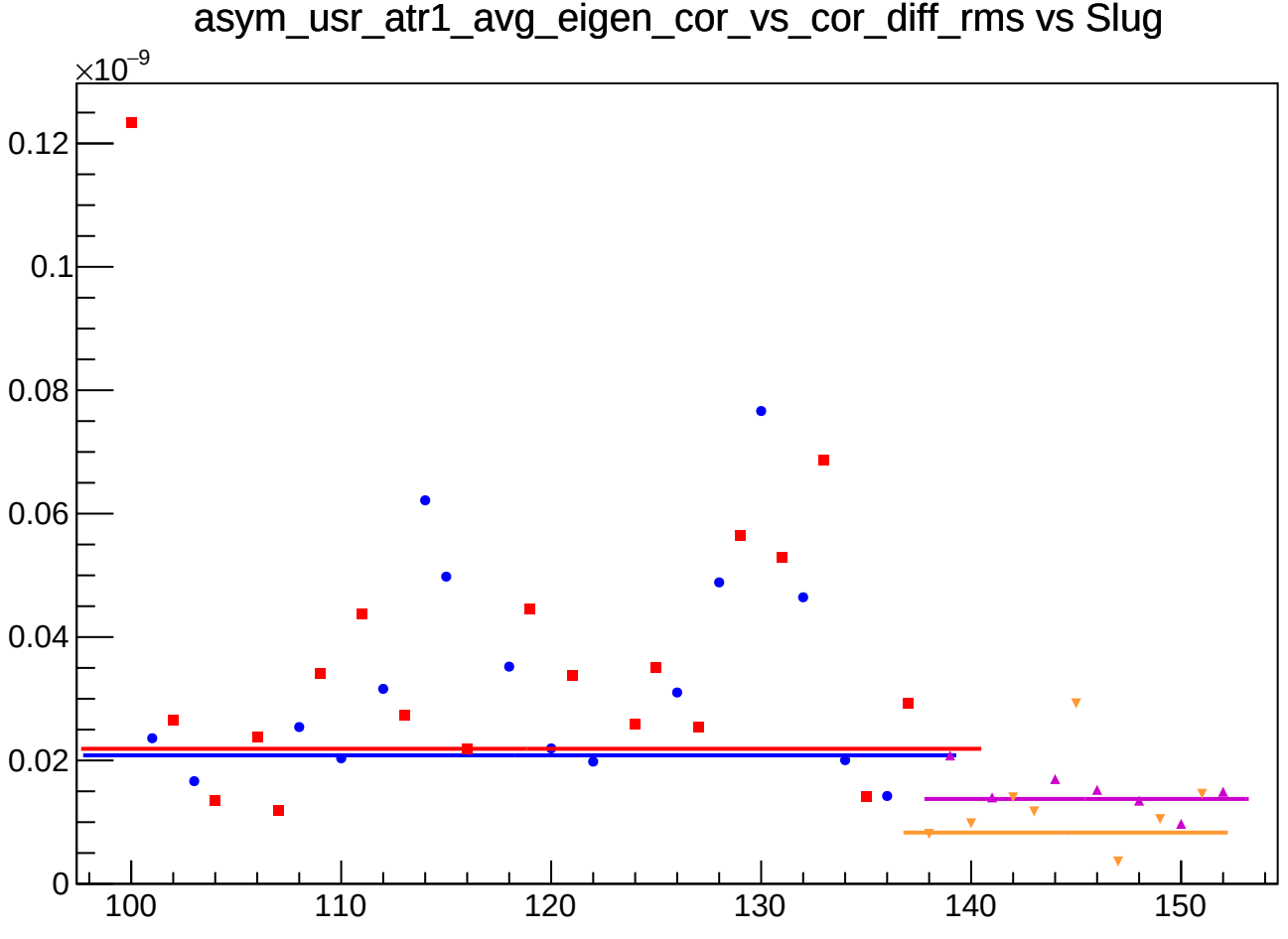
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/23

All: -0.000+/-0.000 χ^2/NDF: 45.5/49

- sign -0.000+/-0.000 χ^2/NDF: 17.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1696195.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

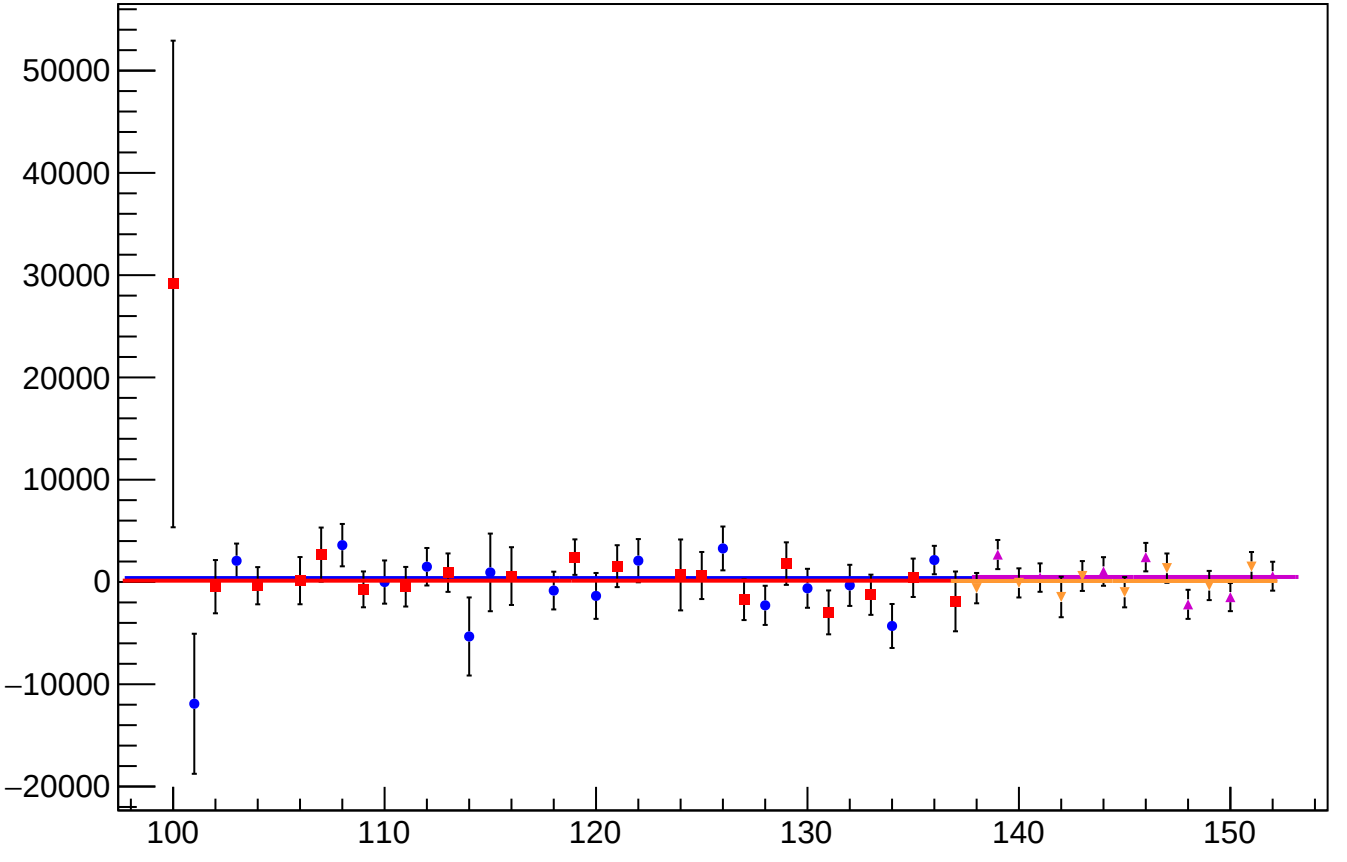
Left In: 0.000+/-0.000 χ^2/NDF:351733.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 5110832.9/23

All: 0.000+/-0.000 χ^2/NDF: 9031514.2/49

- sign 0.000+/-0.000 χ^2/NDF: 2945215.8/25

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: 97.591+/-527.308 χ^2/NDF:3.4/7

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

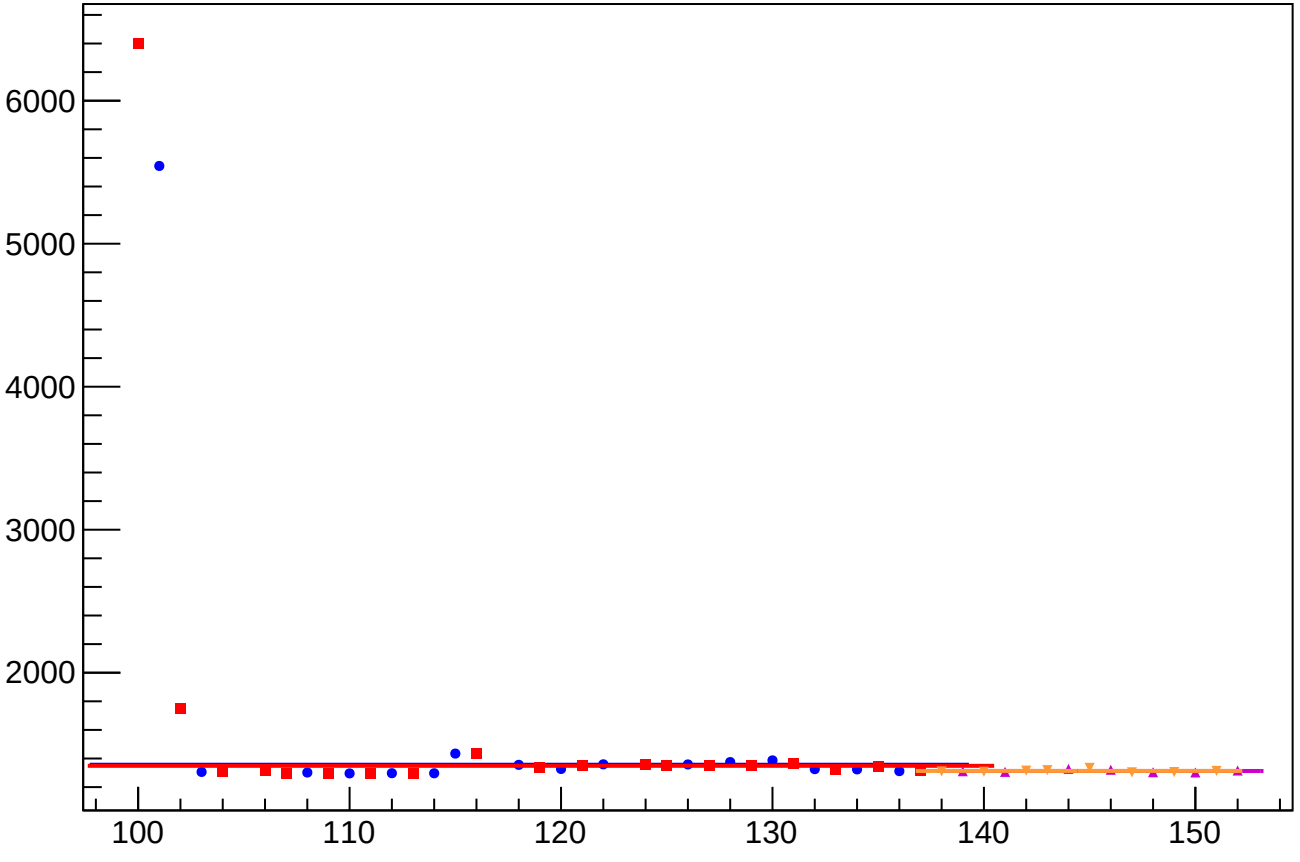
Left In: 489.386+/-529.841 χ^2/NDF:10.1/6

+ sign 242.082+/-369.452 χ^2/NDF: 25.0/23

All: 270.733+/-259.302 χ^2/NDF: 45.3/49

- sign 298.548+/-364.025 χ^2/NDF: 20.3/25

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1313.196+/-0.373 χ^2/NDF:639.9/7

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

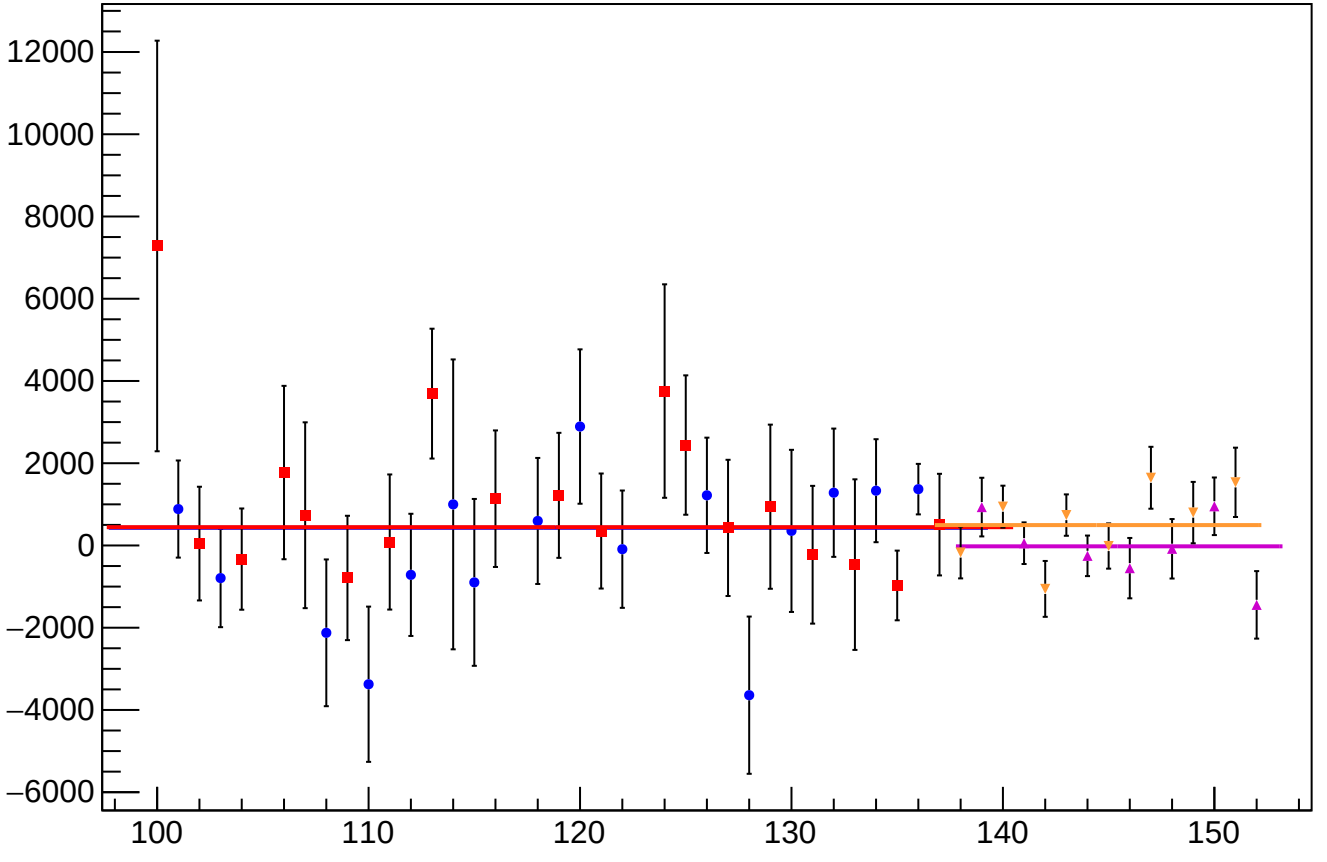
Left In: 1312.823+/-0.375 χ^2/NDF:537.3/6

+ sign 1335.190+/-0.261 χ^2/NDF: 767740.5/23

All: 1333.526+/-0.183 χ^2/NDF: 920539.5/49

- sign 1331.910+/-0.257 χ^2/NDF: 152718.9/25

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 495.527+/-219.553 χ^2/NDF:12.2/7

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

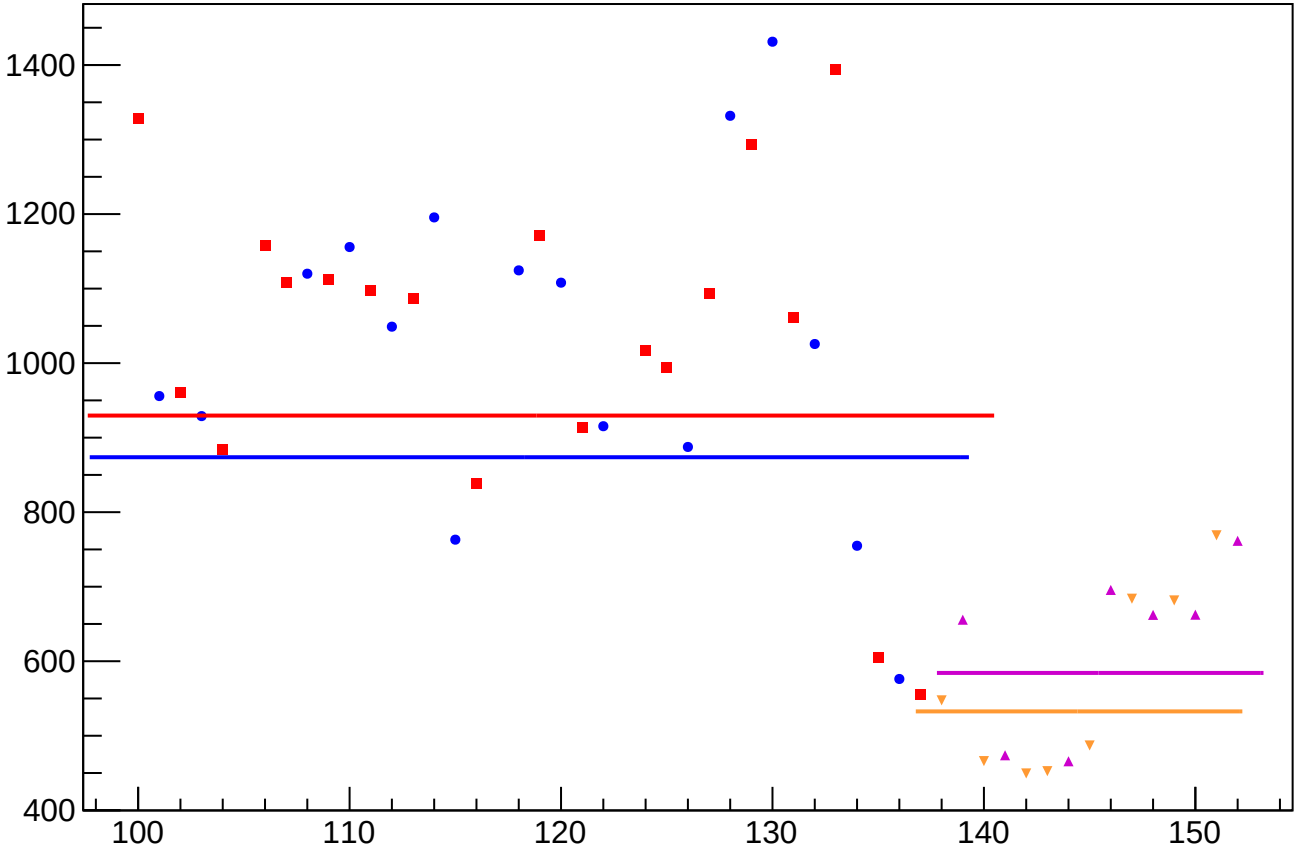
Left In: -20.977+/-240.606 χ^2/NDF:7.5/6

+ sign 476.228+/-184.194 χ^2/NDF: 30.5/23

All: 314.508+/-135.262 χ^2/NDF: 55.2/49

- sign 125.222+/-199.275 χ^2/NDF: 23.1/25

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 532.661+/-0.155 χ^2/NDF:447381.4/7

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

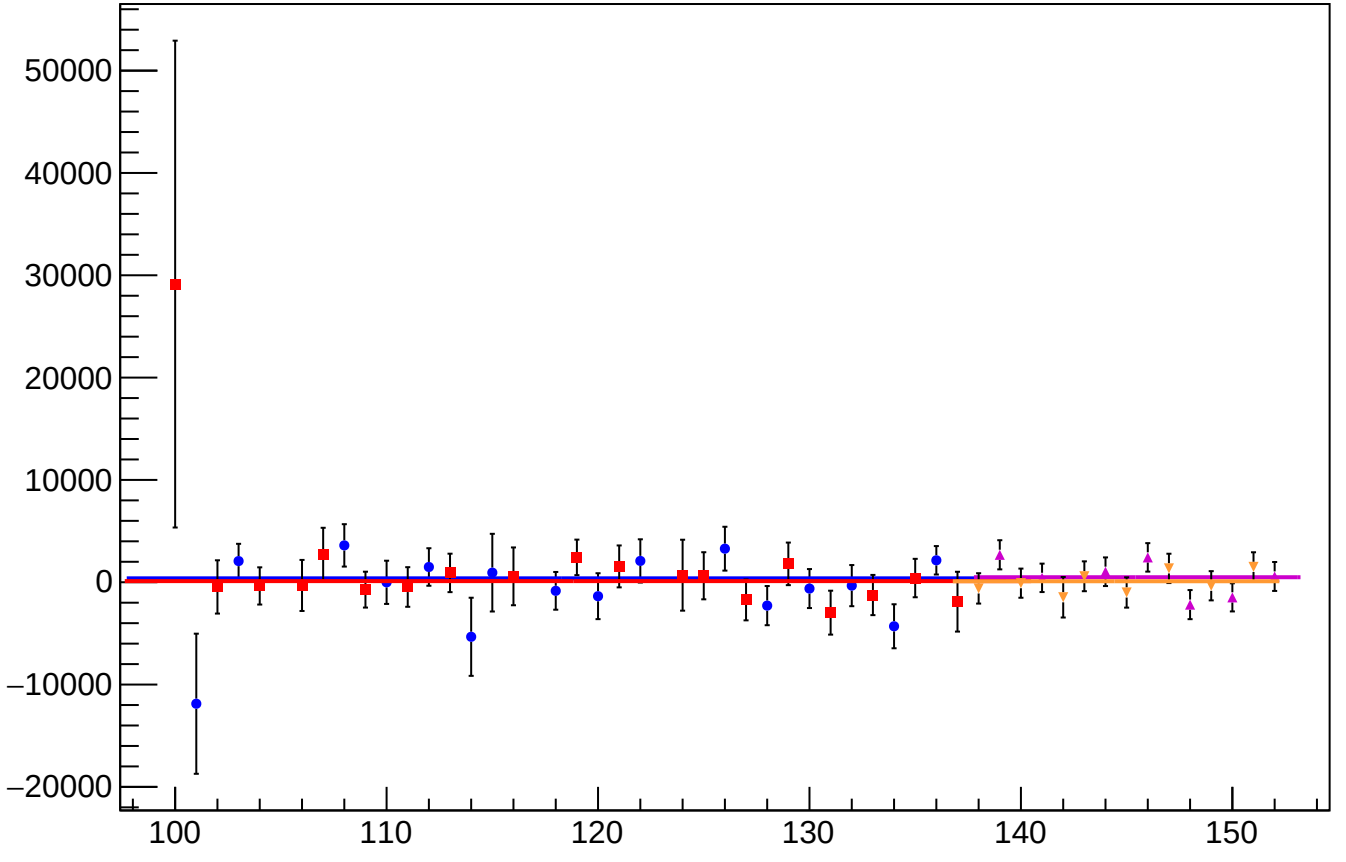
Left In: 584.290+/-0.170 χ^2/NDF:418417.1/6

\+ sign 633.675+/-0.130 χ^2/NDF: 2891719.8/23

All: 660.891+/-0.096 χ^2/NDF: 5558813.6/49

\- sign 692.745+/-0.141 χ^2/NDF: 2572325.3/25

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: 97.522+/-527.308 χ^2/NDF:3.4/7

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

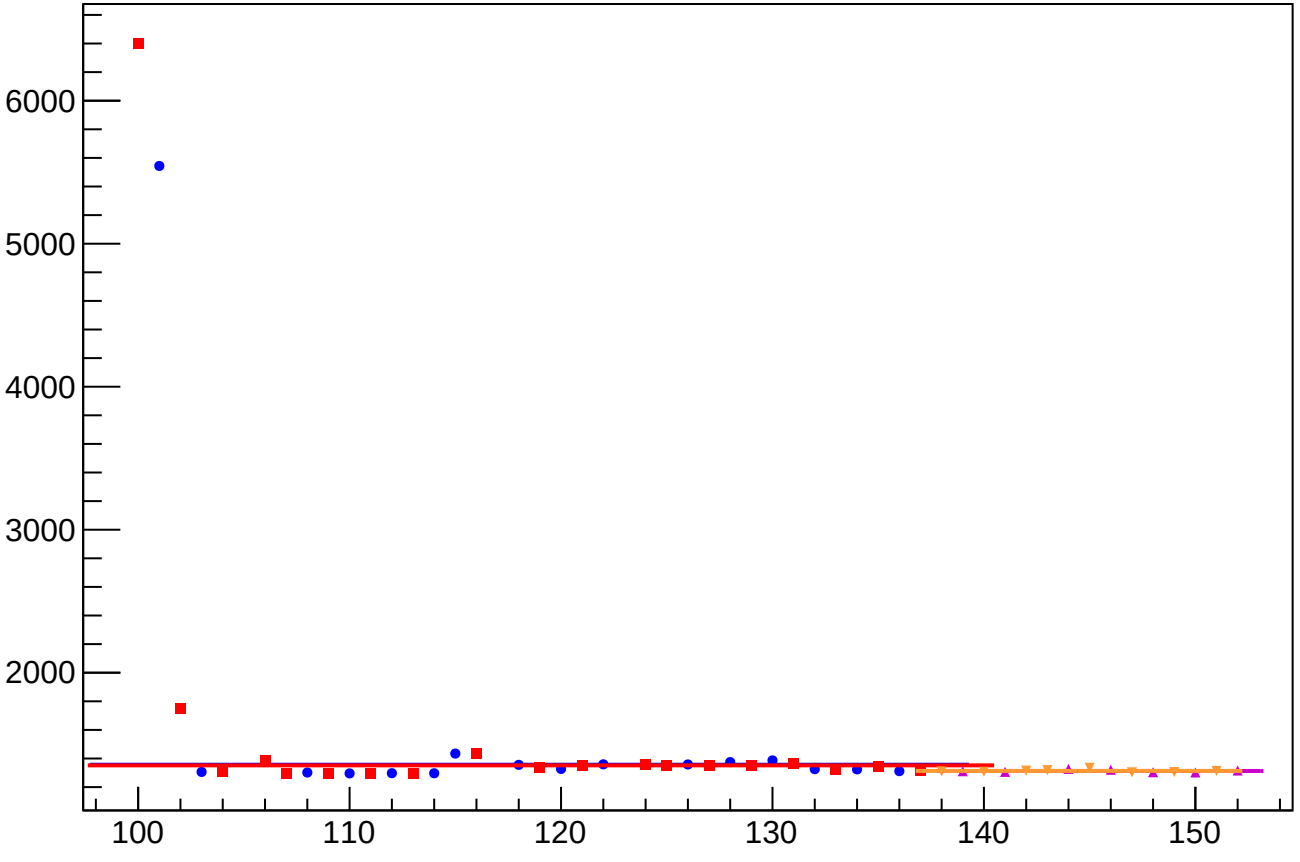
Left In: 489.460+/-529.841 χ^2/NDF:10.1/6

+ sign 242.205+/-369.452 χ^2/NDF: 25.0/23

All: 266.367+/-259.538 χ^2/NDF: 45.3/49

- sign 289.910+/-364.679 χ^2/NDF: 20.3/25

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.196+/-0.373 χ^2/NDF:639.9/7

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

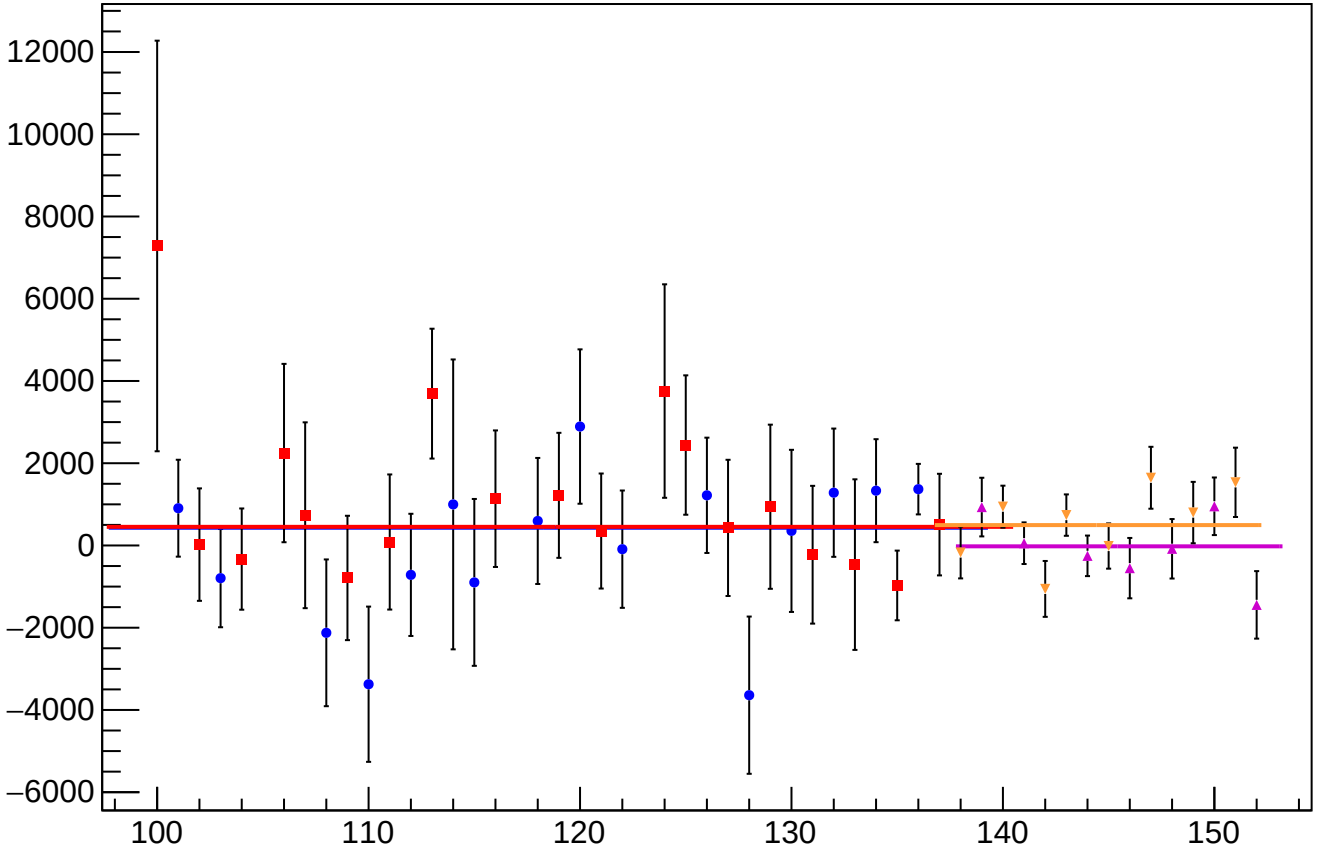
Left In: 1312.823+/-0.375 χ^2/NDF:537.3/6

+ sign 1335.190+/-0.261 χ^2/NDF: 767739.6/23

All: 1334.326+/-0.184 χ^2/NDF: 921404.2/49

- sign 1333.484+/-0.258 χ^2/NDF: 153643.0/25

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 495.458+/-219.555 χ^2/NDF:12.2/7

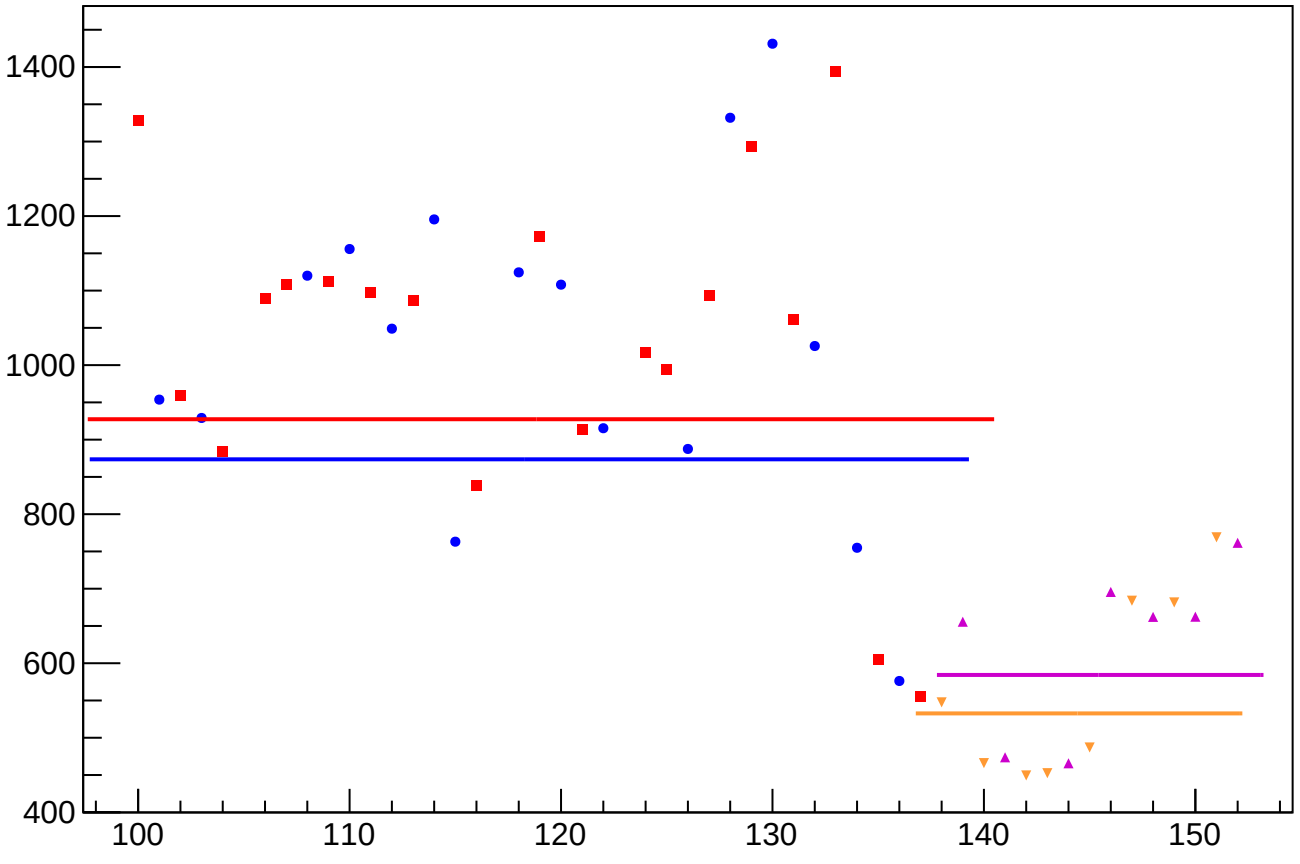
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -20.986+/-240.603 χ^2/NDF:7.5/6

+ sign 476.699+/-184.186 χ^2/NDF: 30.5/23

All: 315.992+/-135.259 χ^2/NDF: 55.6/49

- sign 127.875+/-199.274 χ^2/NDF: 23.4/25



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 532.665+/-0.155 χ^2/NDF:447375.9/7

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

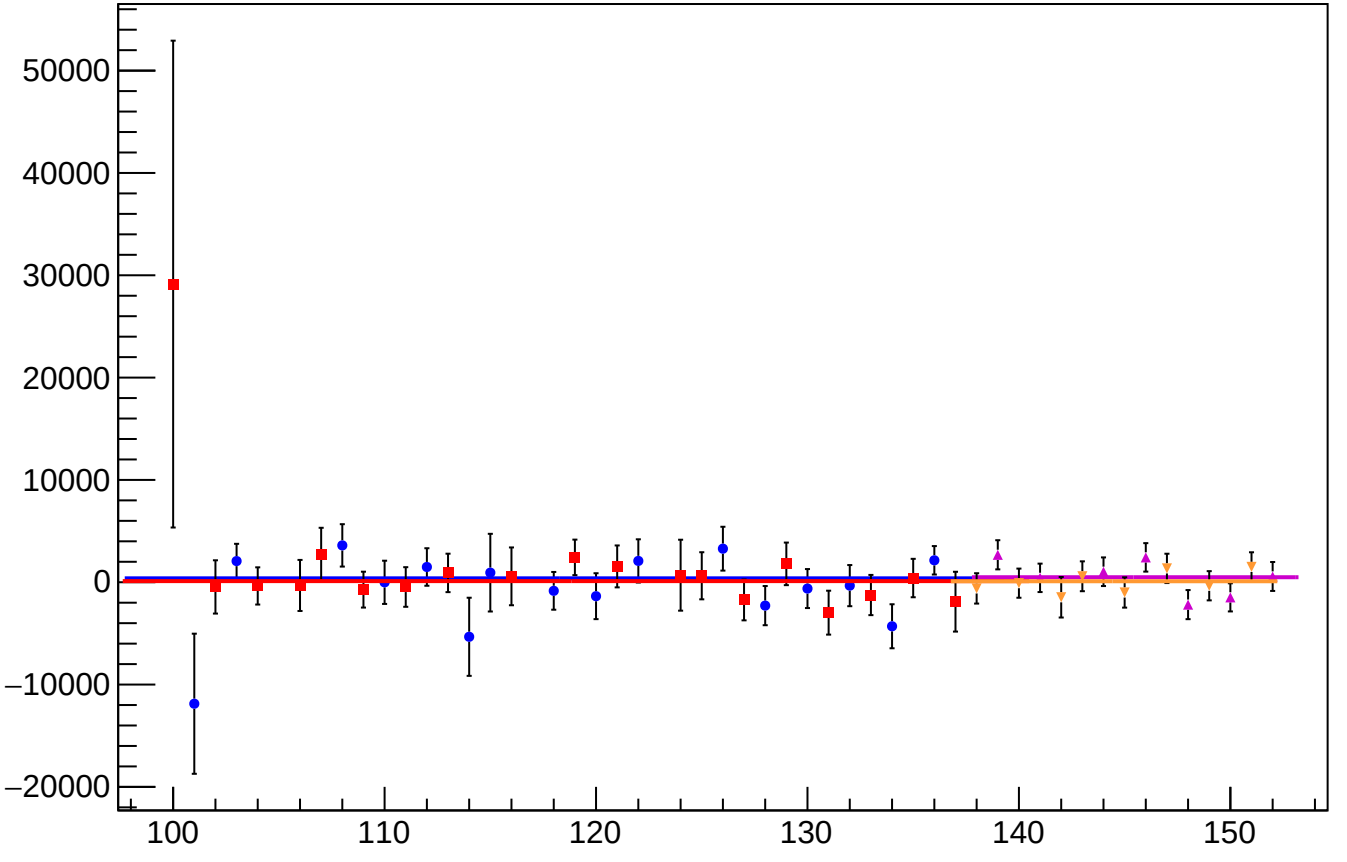
Left In: 584.281+/-0.170 χ^2/NDF:418458.9/6

+ sign 633.666+/-0.130 χ^2/NDF: 2890494.9/23

All: 660.557+/-0.096 χ^2/NDF: 5526246.7/49

- sign 692.035+/-0.141 χ^2/NDF: 2543214.4/25

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: 97.522+/-527.308 χ^2/NDF:3.4/7

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

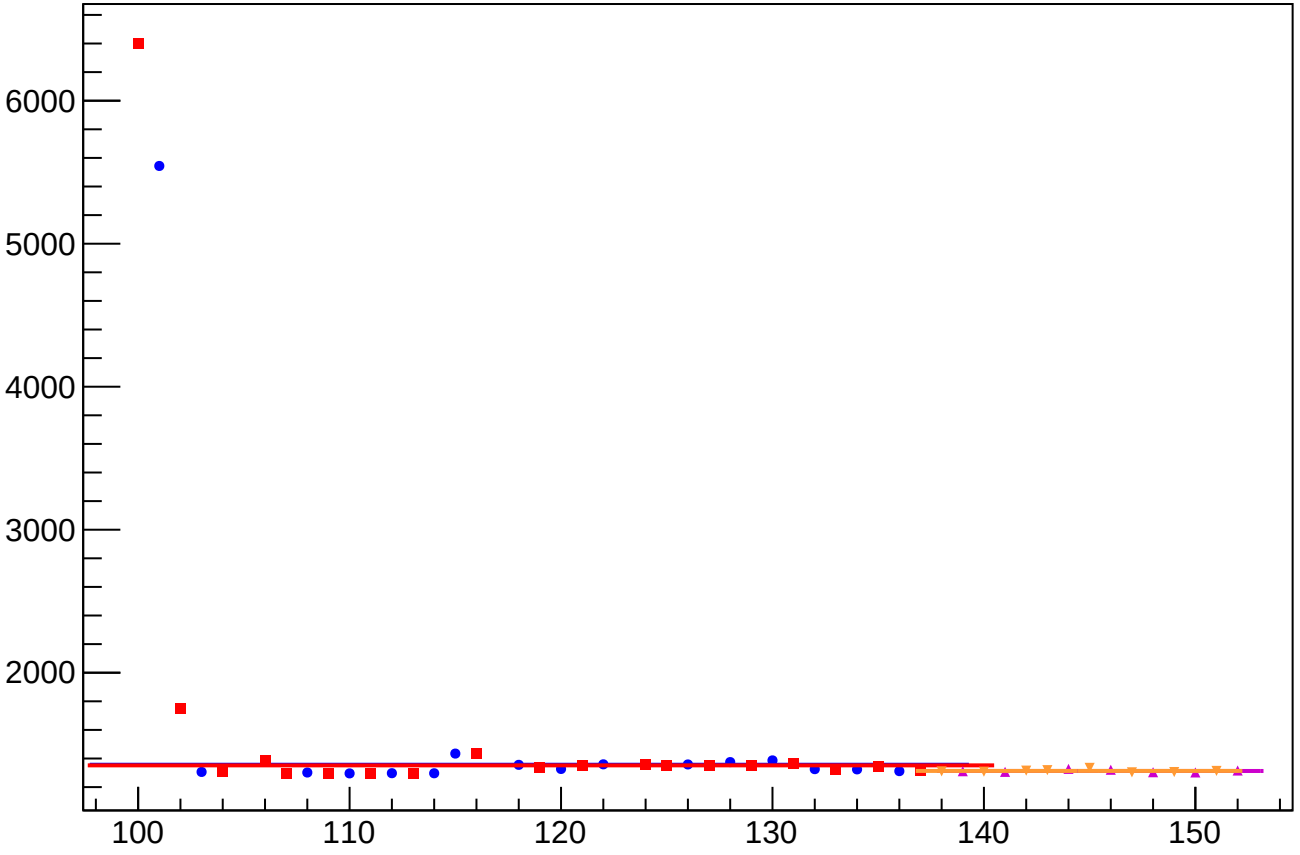
Left In: 489.460+/-529.841 χ^2/NDF:10.1/6

+ sign 242.205+/-369.452 χ^2/NDF: 25.0/23

All: 266.367+/-259.538 χ^2/NDF: 45.3/49

- sign 289.910+/-364.679 χ^2/NDF: 20.3/25

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.196+/-0.373 χ^2/NDF:639.9/7

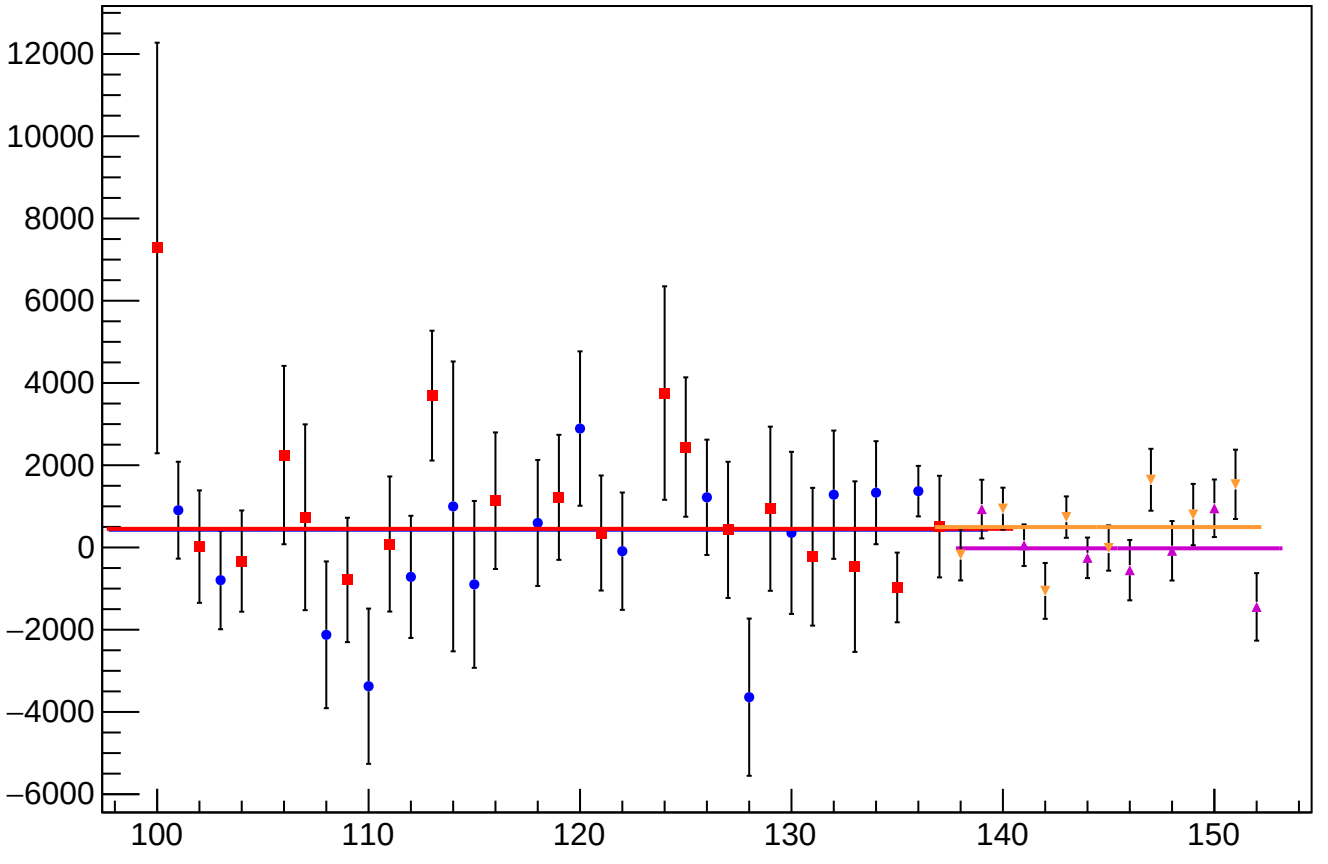
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1312.823+/-0.375 χ^2/NDF:537.3/6

+ sign 1335.190+/-0.261 χ^2/NDF: 767739.6/23

All: 1334.326+/-0.184 χ^2/NDF: 921404.2/49

- sign 1333.484+/-0.258 χ^2/NDF: 153643.0/25



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 495.458+/-219.555 χ^2/NDF:12.2/7

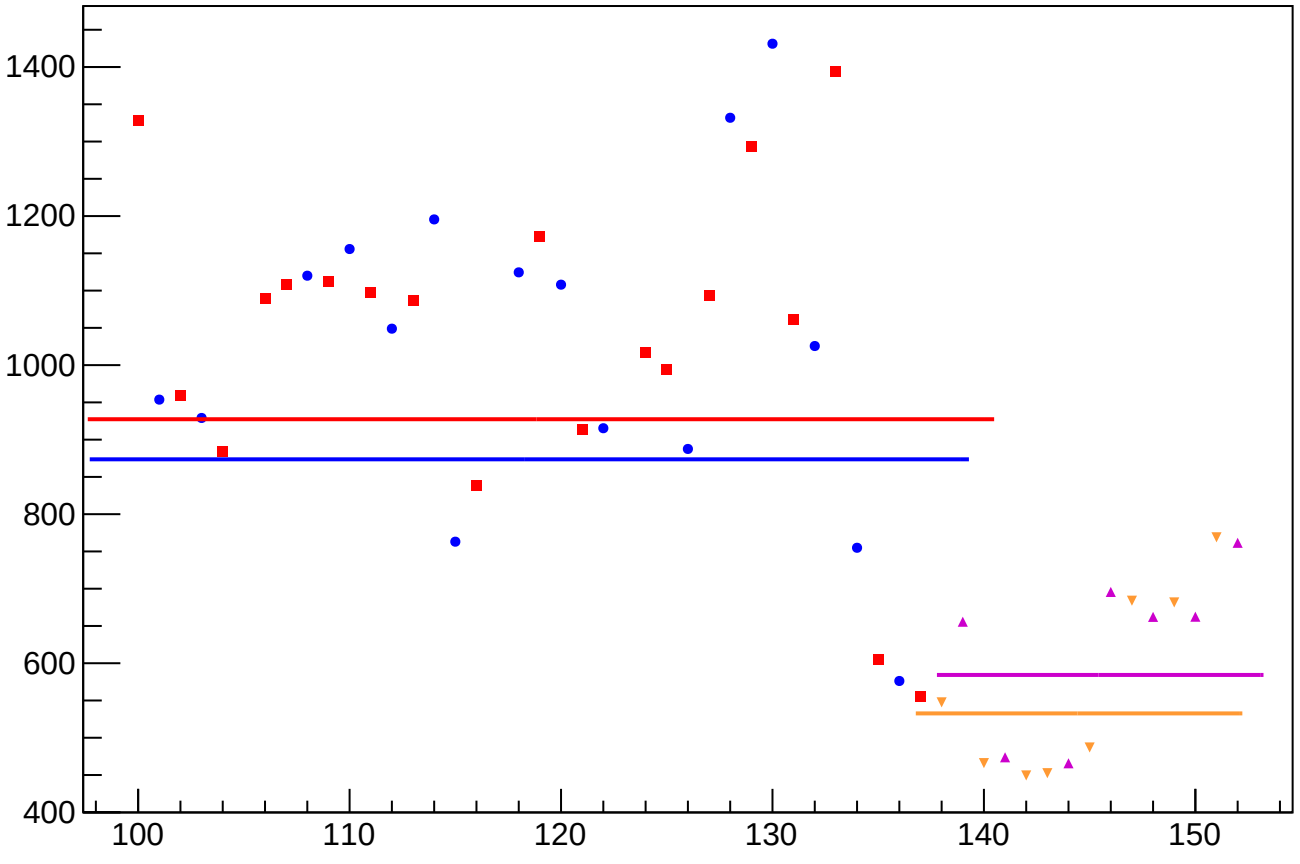
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -20.986+/-240.603 χ^2/NDF:7.5/6

+ sign 476.699+/-184.186 χ^2/NDF: 30.5/23

All: 315.992+/-135.259 χ^2/NDF: 55.6/49

- sign 127.875+/-199.274 χ^2/NDF: 23.4/25



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 532.665+/-0.155 χ^2/NDF:447375.9/7

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

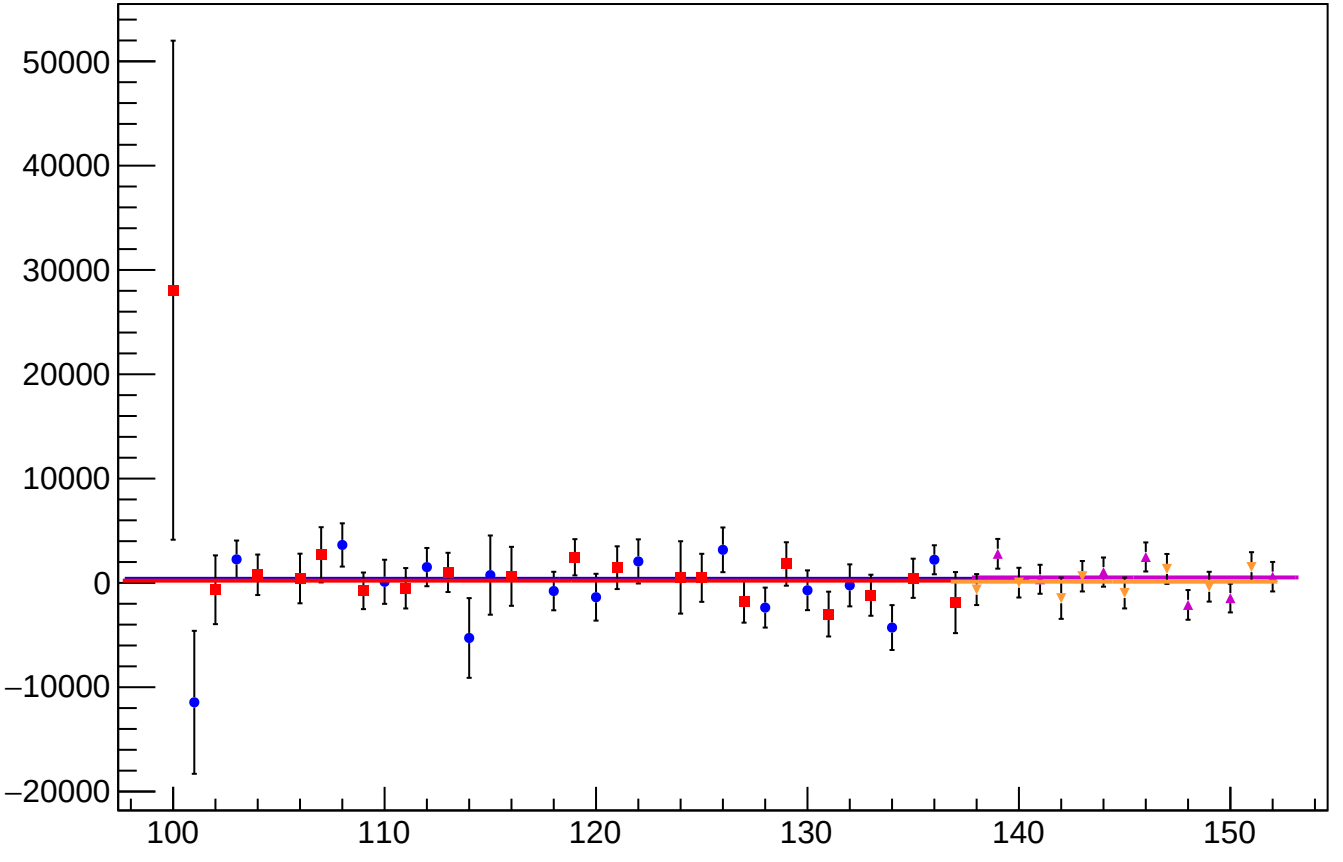
Left In: 584.281+/-0.170 χ^2/NDF:418458.9/6

+ sign 633.666+/-0.130 χ^2/NDF: 2890494.9/23

All: 660.557+/-0.096 χ^2/NDF: 5526246.7/49

- sign 692.035+/-0.141 χ^2/NDF: 2543214.4/25

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: 117.273+/-527.665 χ^2/NDF:3.4/7

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

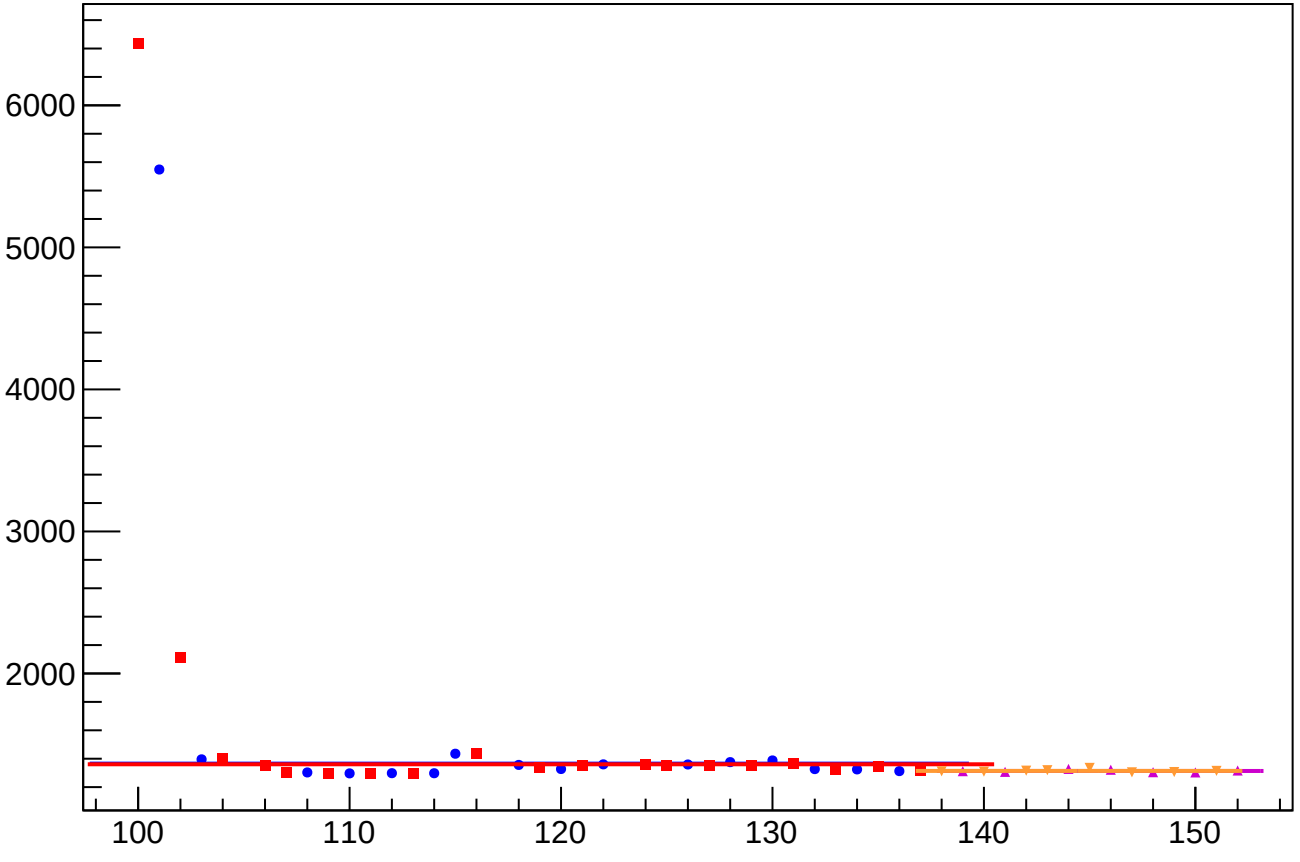
Left In: 520.651+/-530.187 χ^2/NDF:10.2/6

\+ sign 255.303+/-370.794 χ^2/NDF: 24.9/23

All: 309.705+/-260.759 χ^2/NDF: 45.2/49

\- sign 362.935+/-366.776 χ^2/NDF: 20.3/25

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.087+/-0.373 χ^2/NDF:630.5/7

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

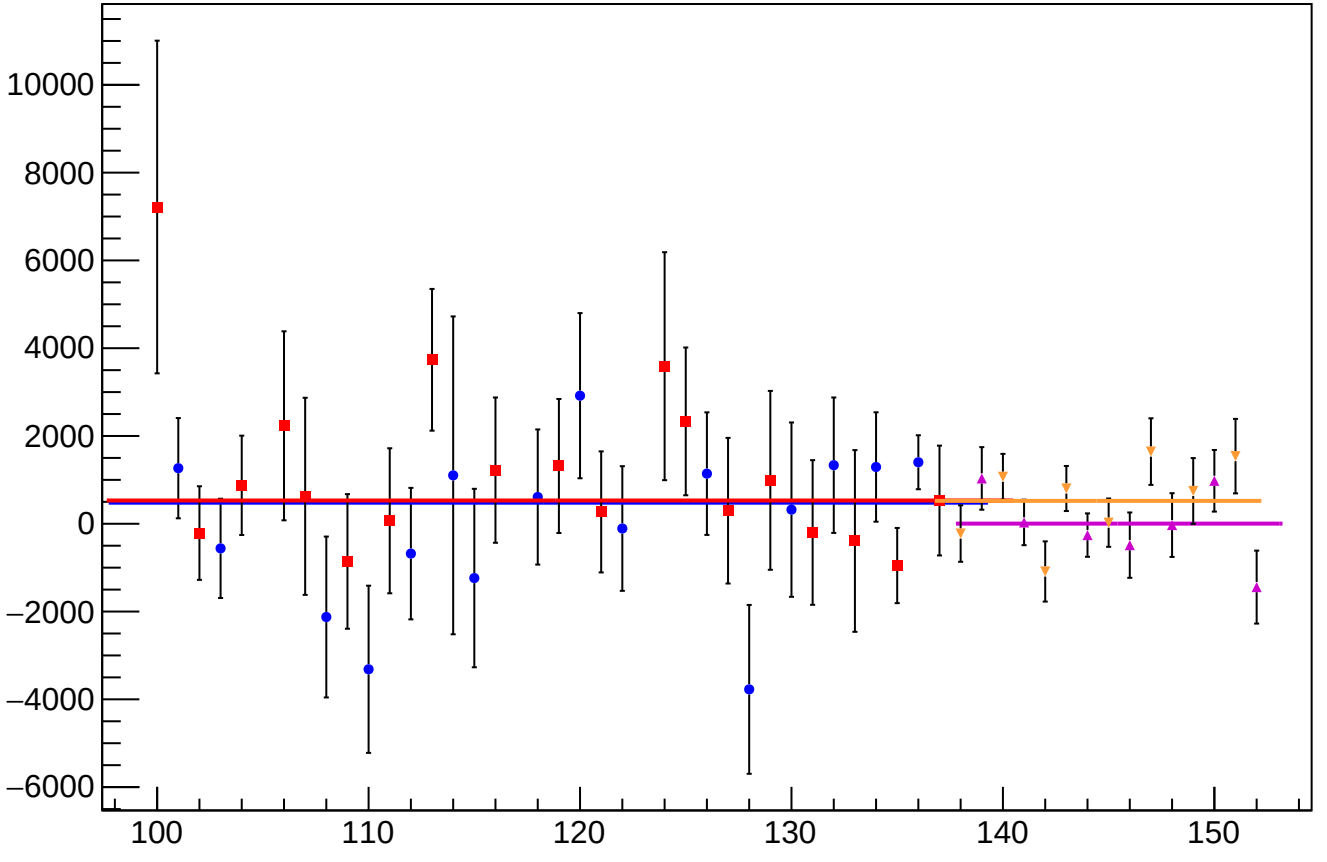
Left In: 1313.679+/-0.375 χ^2/NDF:531.0/6

+ sign 1340.012+/-0.262 χ^2/NDF: 769112.8/23

All: 1339.113+/-0.184 χ^2/NDF: 983209.5/49

- sign 1338.234+/-0.259 χ^2/NDF: 214073.4/25

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 521.658+/-222.449 χ^2/NDF:12.8/7

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

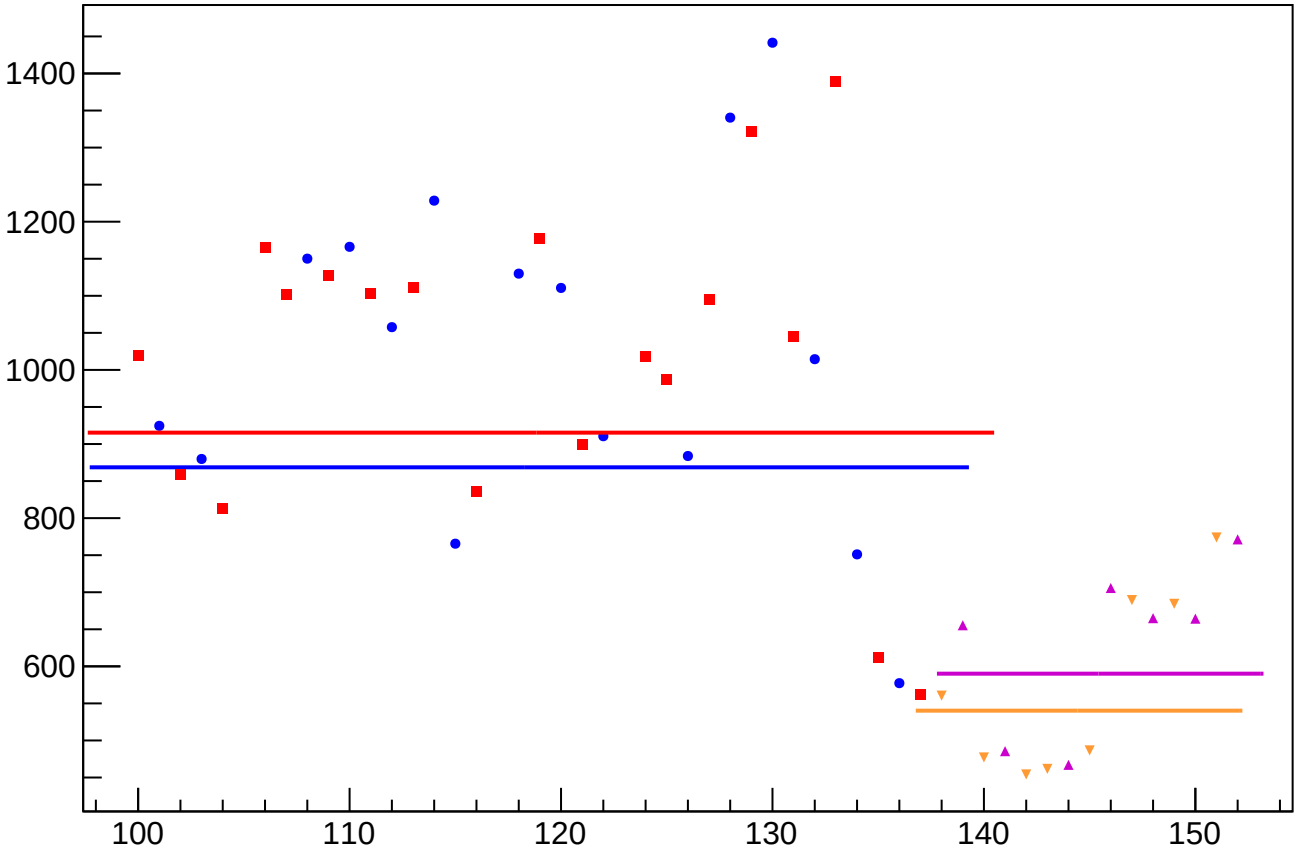
Left In: 3.235+/-242.835 χ^2/NDF:7.8/6

+ sign 509.113+/-185.570 χ^2/NDF: 31.4/23

All: 354.547+/-135.650 χ^2/NDF: 57.8/49

- sign 177.181+/-198.787 χ^2/NDF: 24.9/25

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 540.218+/-0.157 χ^2/NDF:431524.4/7

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

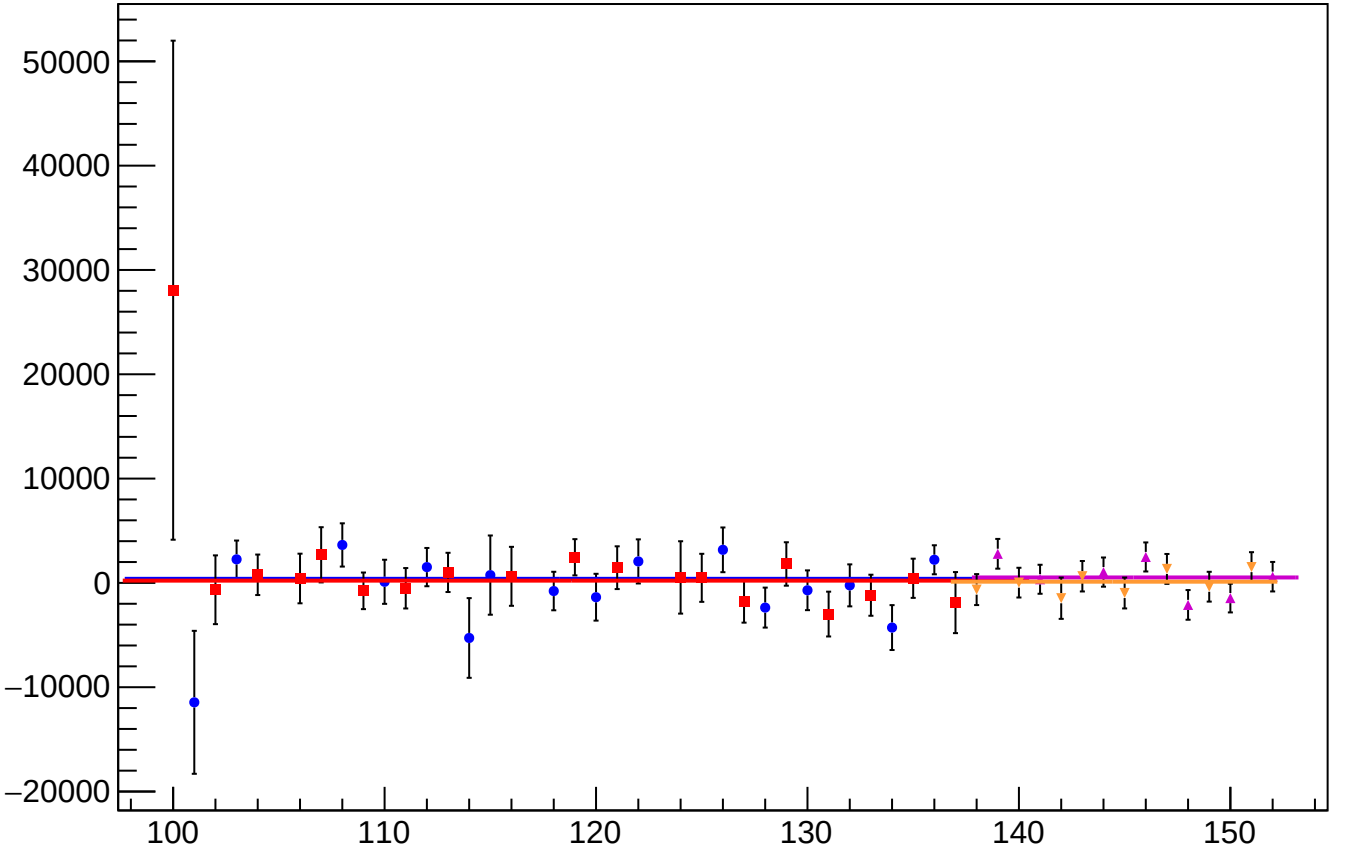
Left In: 590.126+/-0.172 χ^2/NDF:408914.6/6

+ sign 640.065+/-0.131 χ^2/NDF: 2777961.2/23

All: 666.771+/-0.096 χ^2/NDF: 5318200.1/49

- sign 697.415+/-0.141 χ^2/NDF: 2451290.0/25

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: 117.273+/-527.665 χ^2/NDF:3.4/7

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

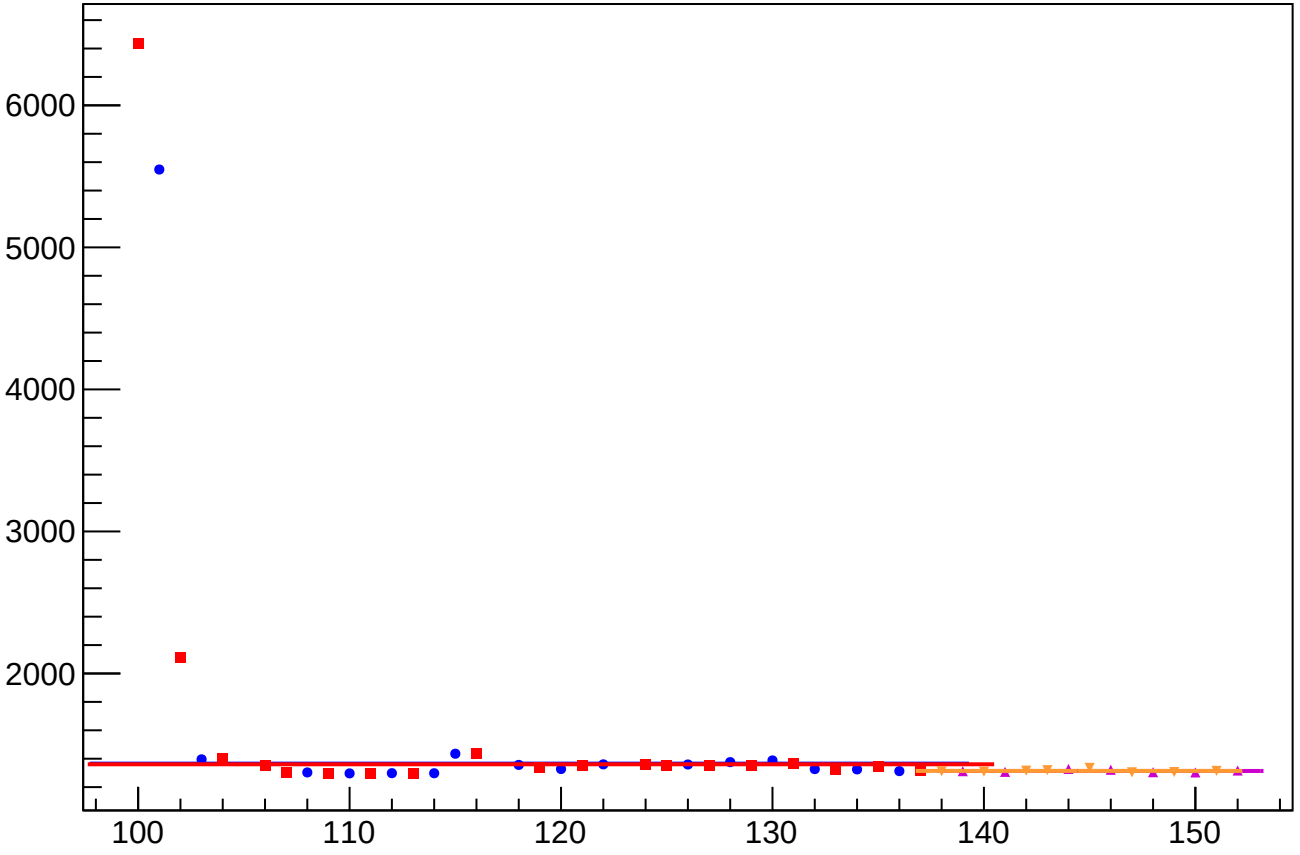
Left In: 520.650+/-530.187 χ^2/NDF:10.2/6

+ sign 255.303+/-370.794 χ^2/NDF: 24.9/23

All: 309.705+/-260.759 χ^2/NDF: 45.2/49

- sign 362.934+/-366.776 χ^2/NDF: 20.3/25

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.087+/-0.373 χ^2/NDF:630.5/7

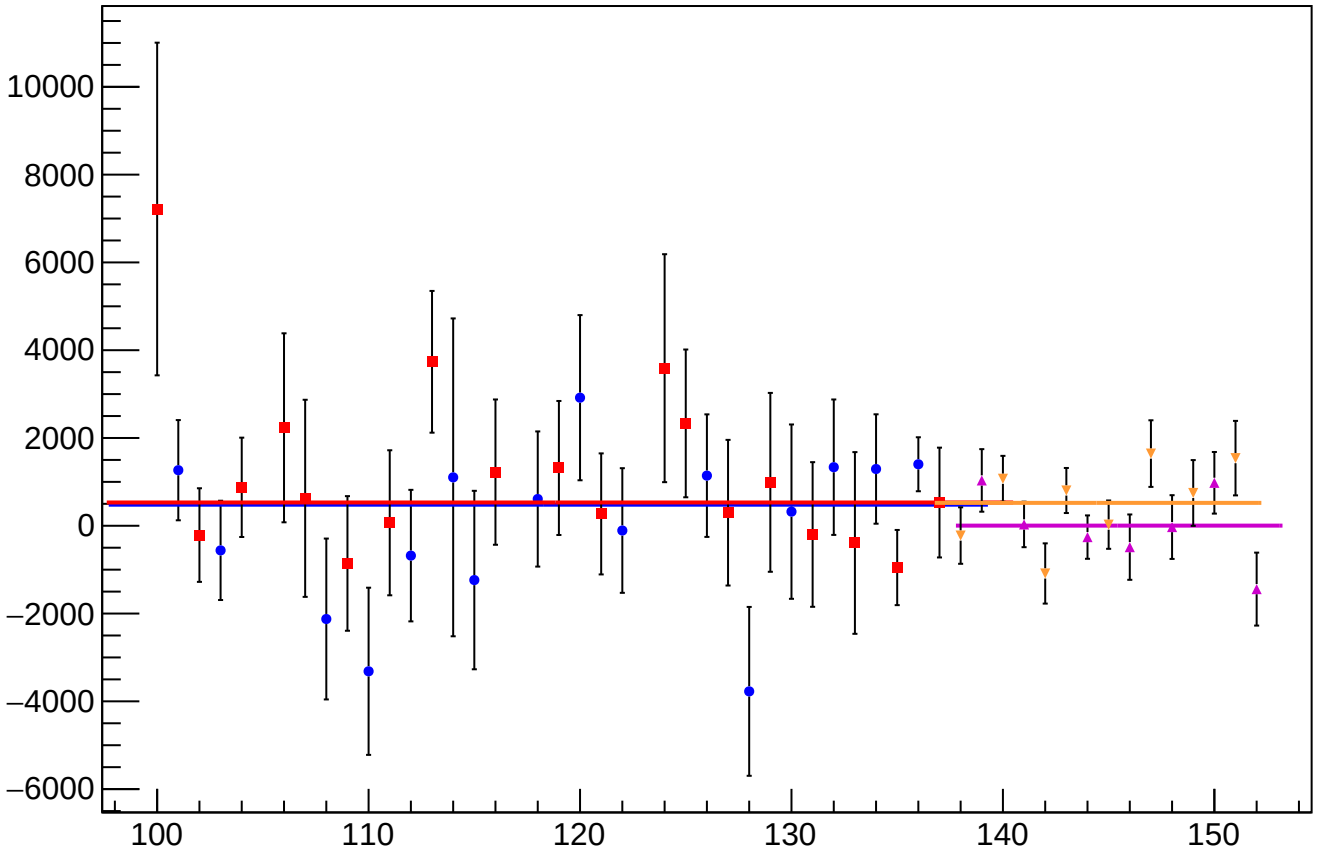
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1313.679+/-0.375 χ^2/NDF:531.0/6

+ sign 1340.012+/-0.262 χ^2/NDF: 769112.8/23

All: 1339.113+/-0.184 χ^2/NDF: 983209.4/49

- sign 1338.234+/-0.259 χ^2/NDF: 214073.4/25



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 521.660+/-222.449 χ^2/NDF:12.8/7

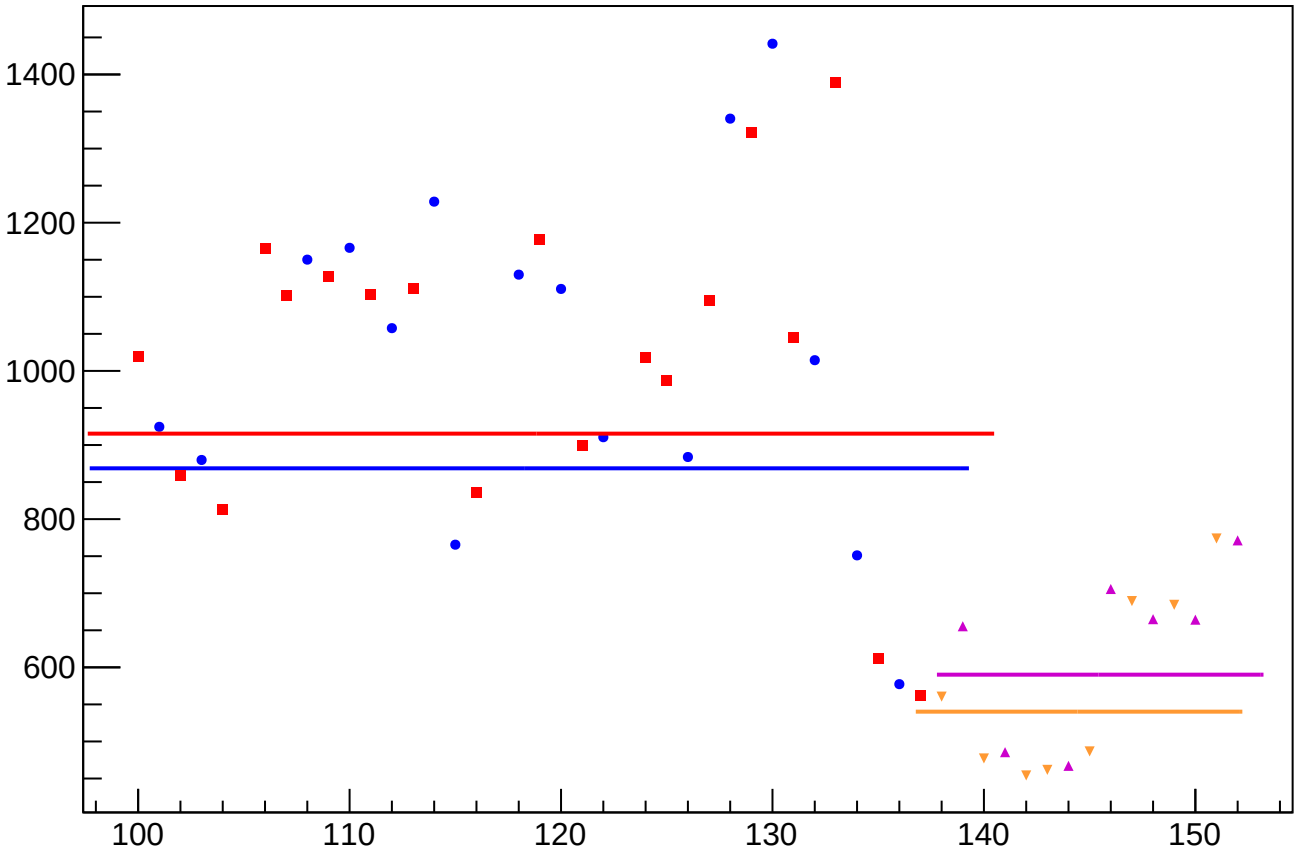
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 3.235+/-242.835 χ^2/NDF:7.8/6

\+ sign 509.114+/-185.570 χ^2/NDF: 31.4/23

All: 354.548+/-135.650 χ^2/NDF: 57.8/49

\- sign 177.182+/-198.787 χ^2/NDF: 24.9/25



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 540.218+/-0.157 χ^2/NDF:431527.9/7

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

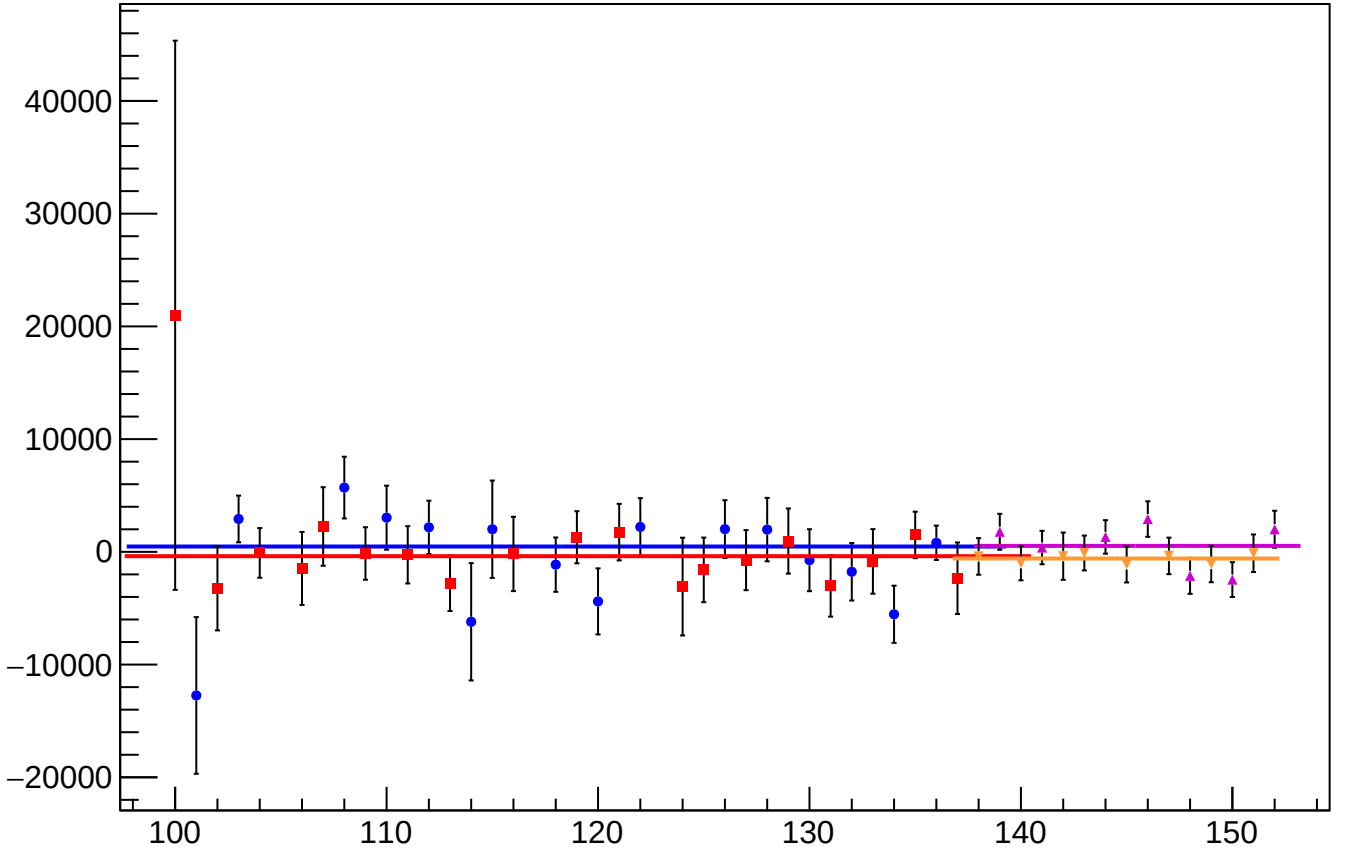
Left In: 590.127+/-0.172 χ^2/NDF:408916.9/6

+ sign 640.065+/-0.131 χ^2/NDF: 2777952.8/23

All: 666.770+/-0.096 χ^2/NDF: 5318182.1/49

- sign 697.415+/-0.141 χ^2/NDF: 2451277.6/25

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -590.737+/-579.545 χ^2/NDF:0.5/7

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

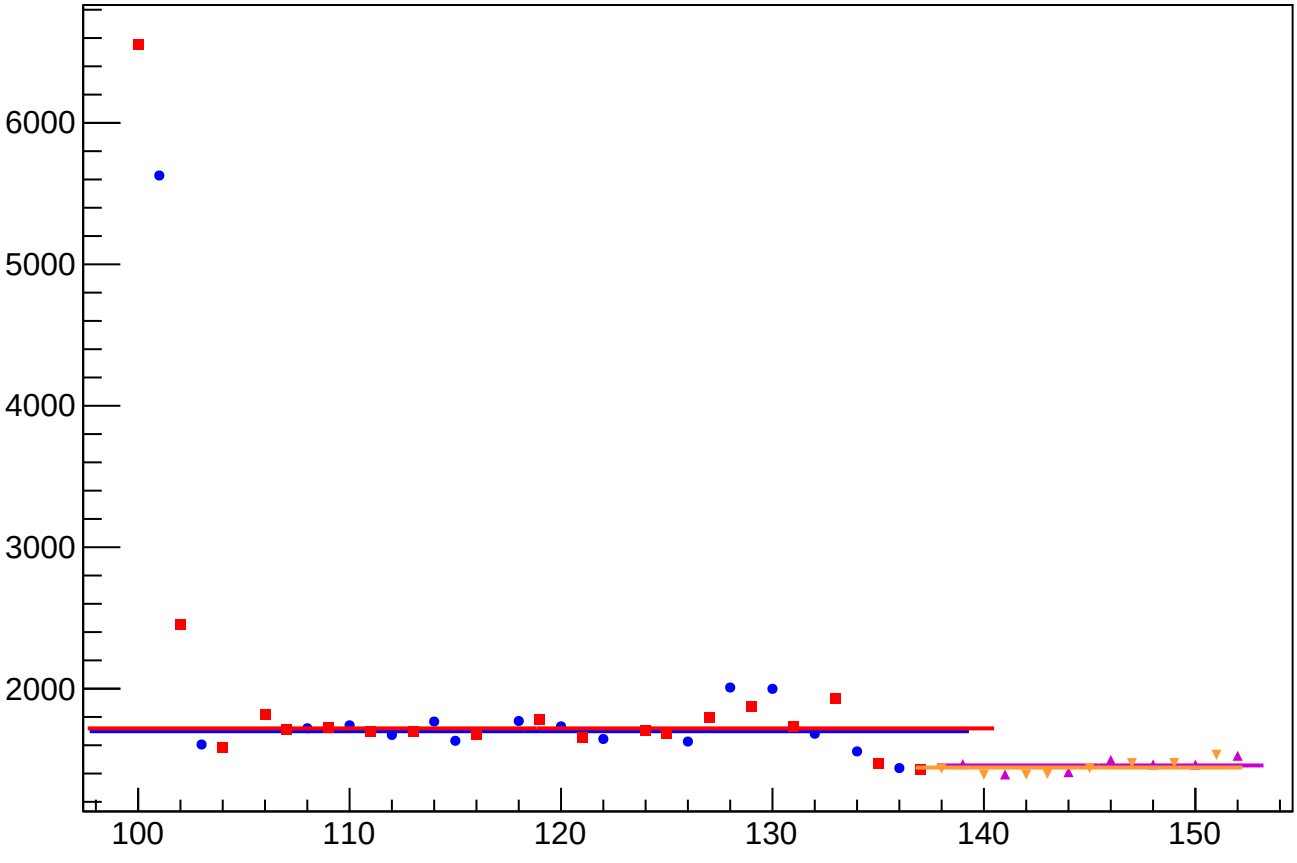
Left In: 528.530+/-588.424 χ^2/NDF:10.5/6

\+ sign -118.792+/-432.349 χ^2/NDF: 24.7/23

All: -3.997+/-306.223 χ^2/NDF: 43.7/49

\- sign 111.561+/-433.783 χ^2/NDF: 18.9/25

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1442.351+/-0.410 χ^2/NDF:12457.7/7

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

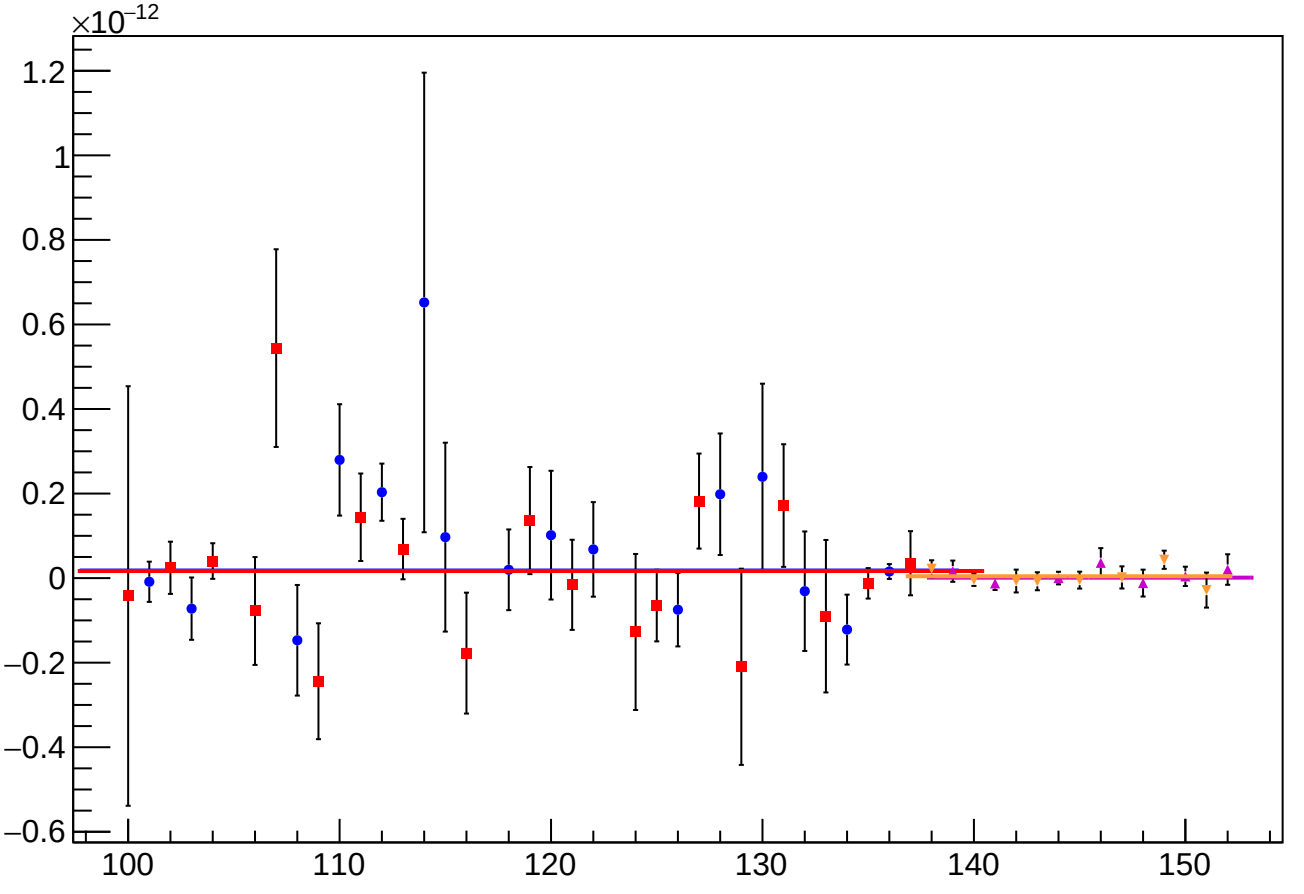
Left In: 1457.271+/-0.416 χ^2/NDF:10560.8/6

+ sign 1556.311+/-0.306 χ^2/NDF: 948938.7/23

All: 1566.526+/-0.217 χ^2/NDF: 1376283.2/49

- sign 1576.809+/-0.307 χ^2/NDF: 425104.1/25

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/7

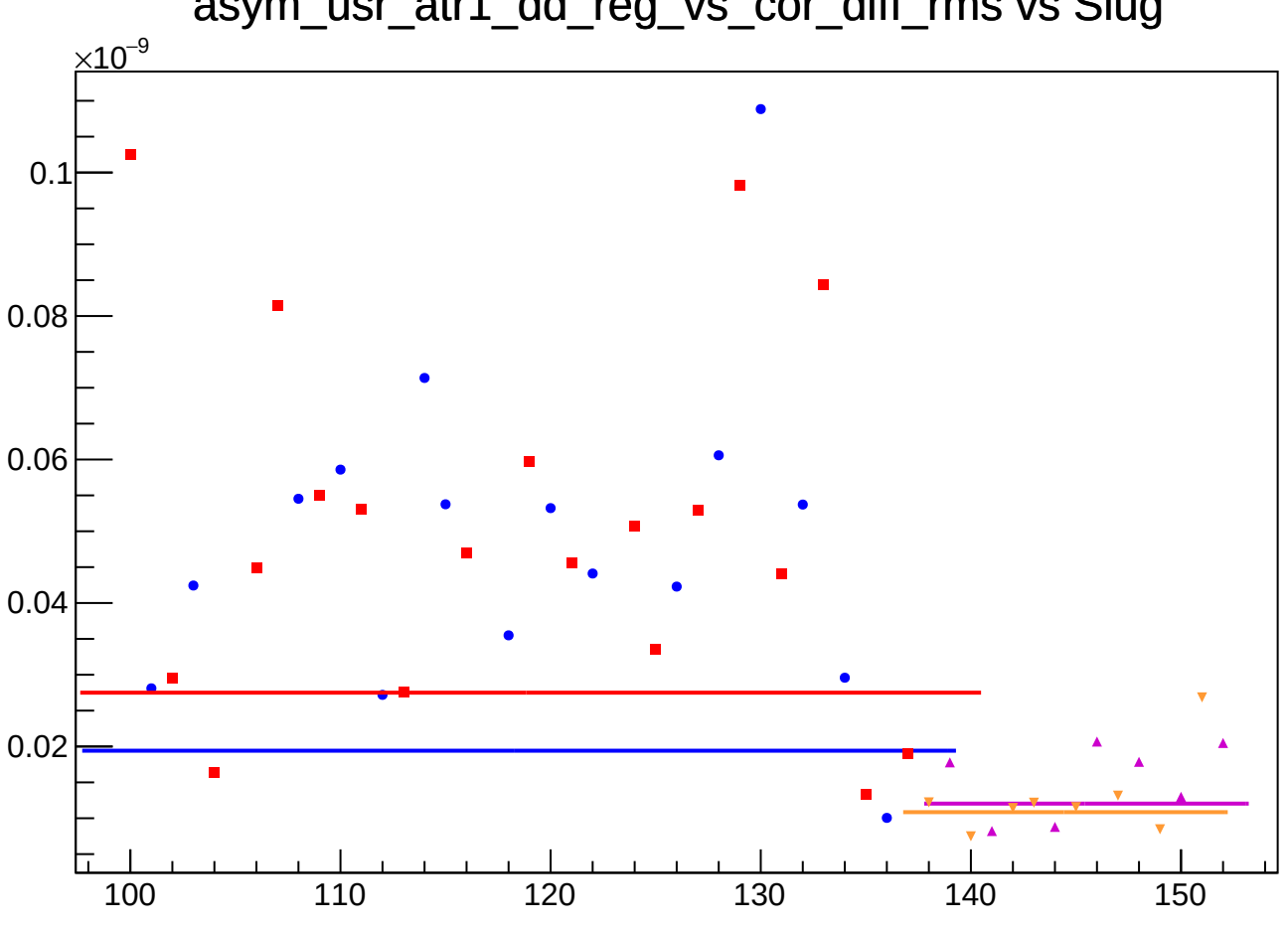
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 30.0/23

All: 0.000+/-0.000 χ^2/NDF: 54.7/49

- sign 0.000+/-0.000 χ^2/NDF: 24.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:468338.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

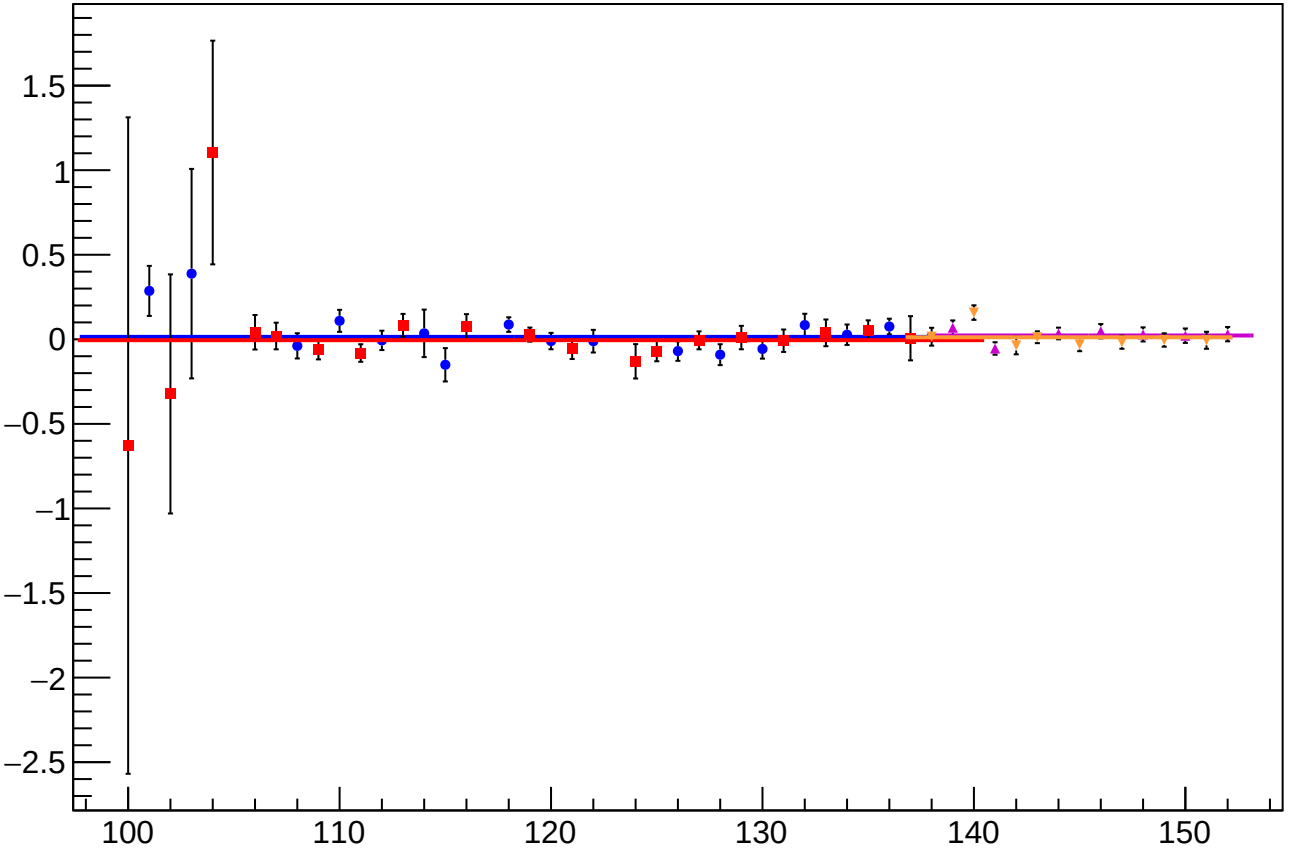
Left In: 0.000+/-0.000 χ^2/NDF:624051.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 3300127.9/23

All: 0.000+/-0.000 χ^2/NDF: 6740090.1/49

- sign 0.000+/-0.000 χ^2/NDF: 3378402.6/25

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.015 χ^2/NDF:14.3/7

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

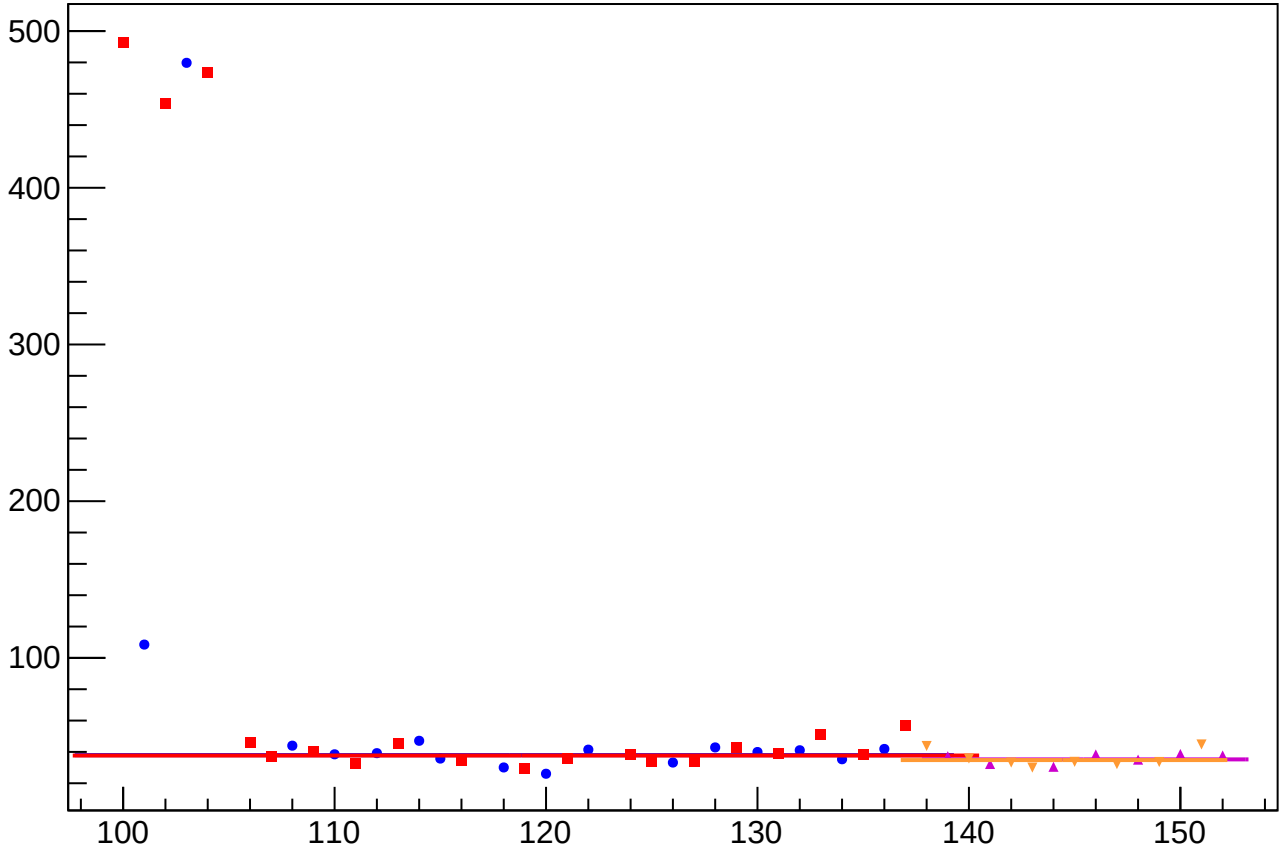
Left In: 0.023+/-0.015 χ^2/NDF:6.0/6

+ sign 0.013+/-0.011 χ^2/NDF: 36.4/23

All: 0.011+/-0.008 χ^2/NDF: 58.9/49

- sign 0.010+/-0.011 χ^2/NDF: 22.4/25

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: 34.795+/-0.011 χ^2/NDF:189302.3/7

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

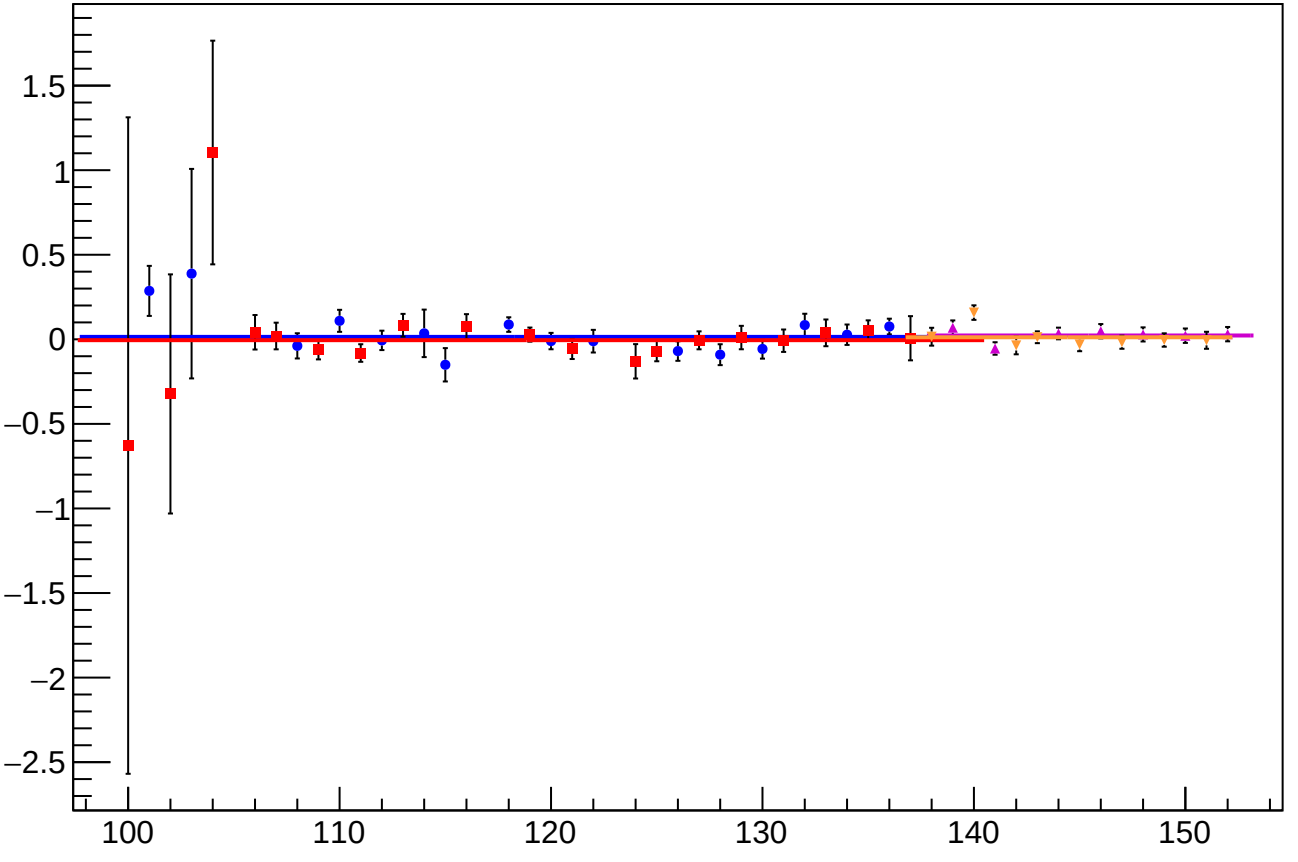
Left In: 35.227+/-0.011 χ^2/NDF:85148.3/6

+ sign 36.282+/-0.008 χ^2/NDF: 1970146.2/23

All: 36.337+/-0.005 χ^2/NDF: 4025261.4/49

- sign 36.392+/-0.008 χ^2/NDF: 2055014.3/25

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.015 χ^2/NDF:14.3/7

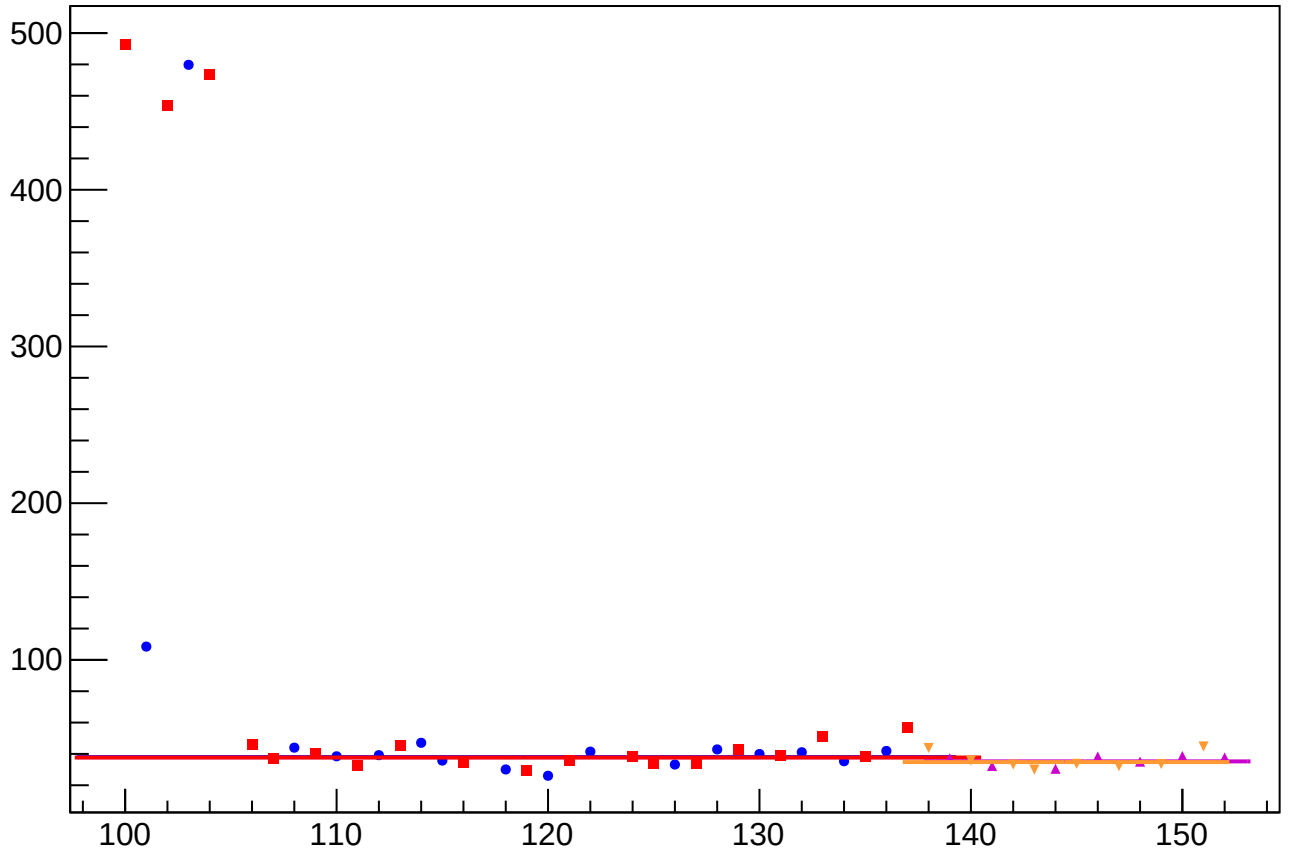
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.023+/-0.015 χ^2/NDF:6.0/6

+ sign 0.013+/-0.011 χ^2/NDF: 36.4/23

All: 0.011+/-0.008 χ^2/NDF: 58.9/49

- sign 0.010+/-0.011 χ^2/NDF: 22.4/25



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 34.795+/-0.011 χ^2/NDF:189302.3/7

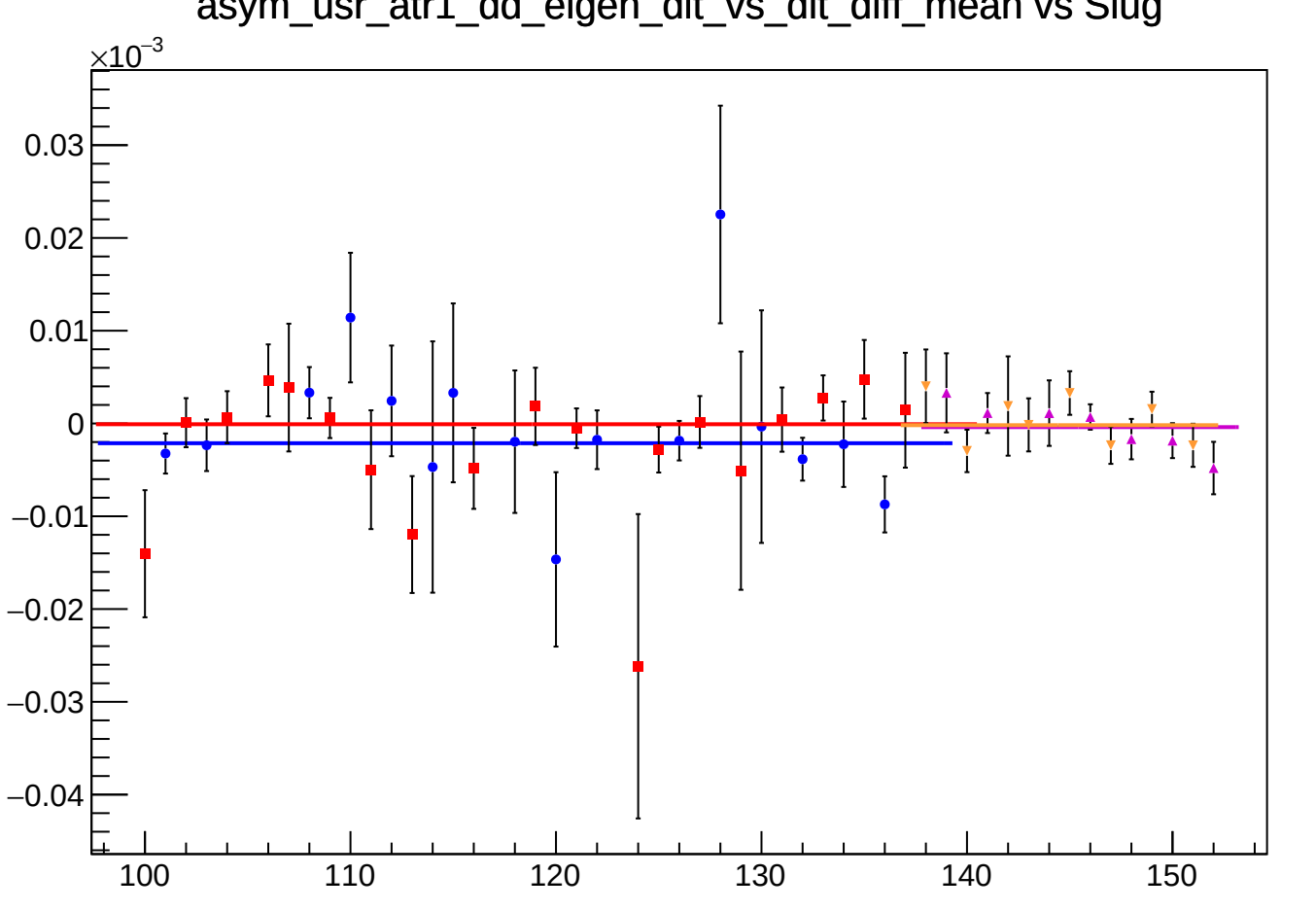
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 35.227+/-0.011 χ^2/NDF:85148.3/6

\+ sign 36.282+/-0.008 χ^2/NDF: 1970146.2/23

All: 36.337+/-0.005 χ^2/NDF: 4025261.4/49

\- sign 36.392+/-0.008 χ^2/NDF: 2055014.3/25



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/7

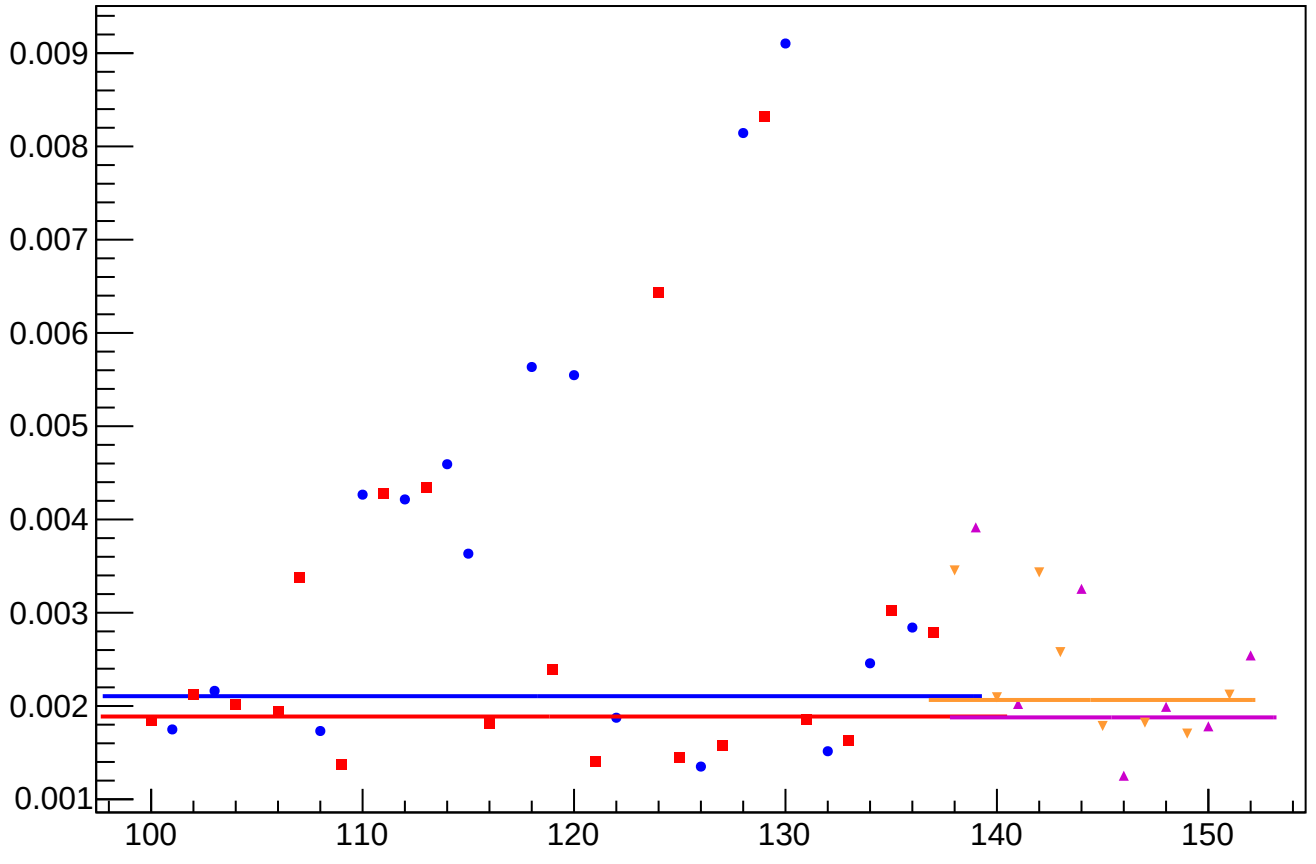
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 30.6/23

All: -0.000+/-0.000 χ^2/NDF: 55.7/49

- sign -0.000+/-0.000 χ^2/NDF: 23.9/25



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:573934.8/7

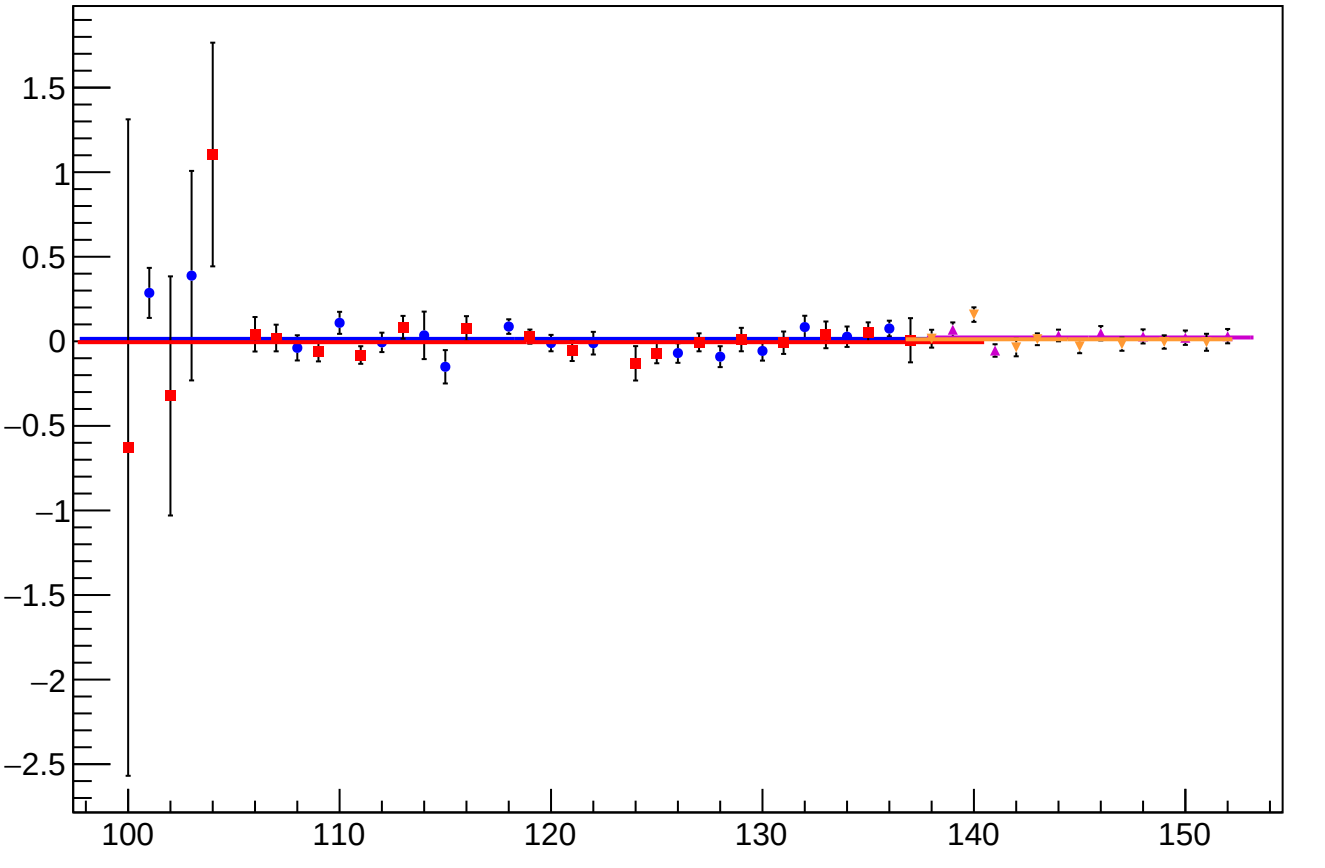
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1309689.2/6

+ sign 0.002+/-0.000 χ^2/NDF: 3593605.8/23

All: 0.002+/-0.000 χ^2/NDF: 6909660.5/49

- sign 0.002+/-0.000 χ^2/NDF: 3201823.0/25



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.015 χ^2/NDF:14.3/7

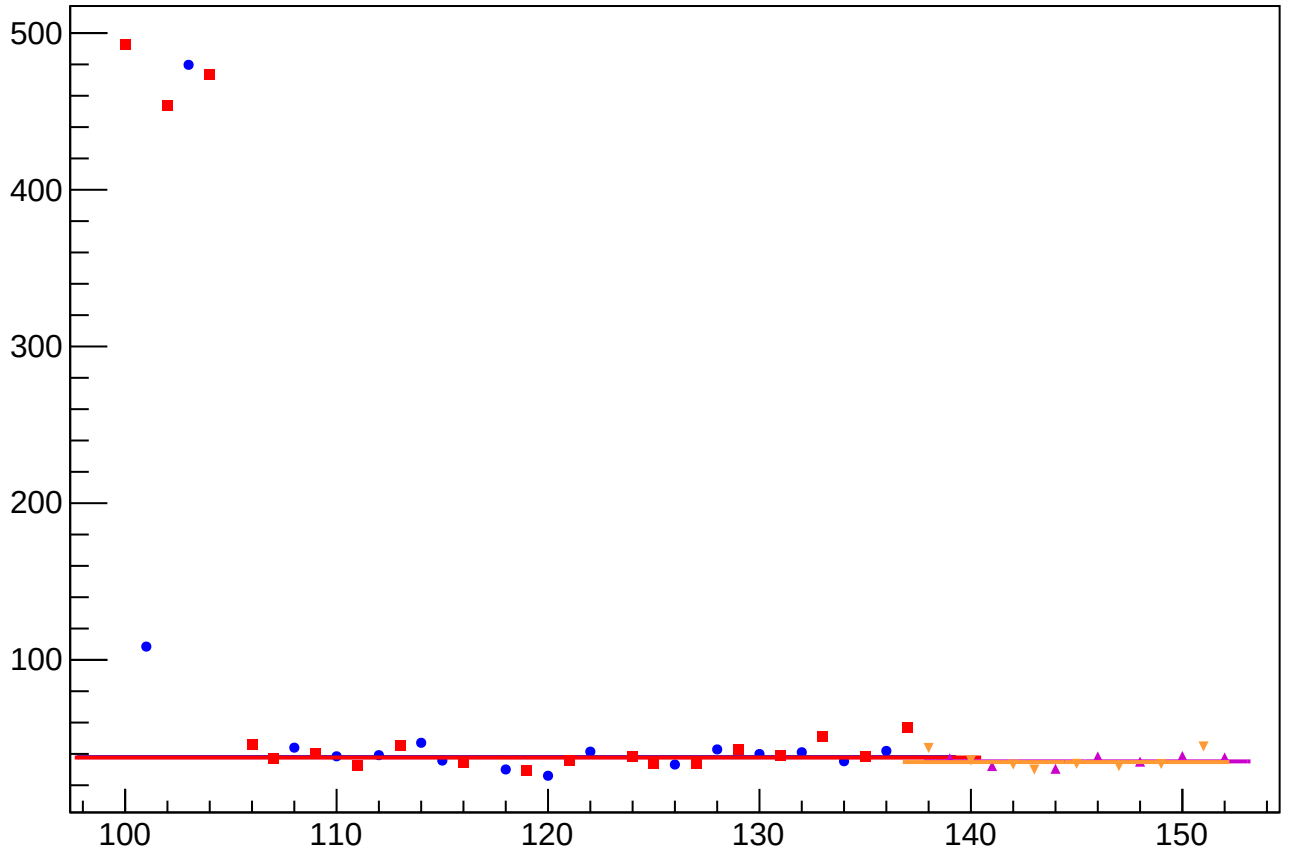
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.023+/-0.015 χ^2/NDF:6.0/6

+ sign 0.013+/-0.011 χ^2/NDF: 36.4/23

All: 0.011+/-0.008 χ^2/NDF: 58.9/49

- sign 0.010+/-0.011 χ^2/NDF: 22.4/25



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 34.795+/-0.011 χ^2/NDF:189336.2/7

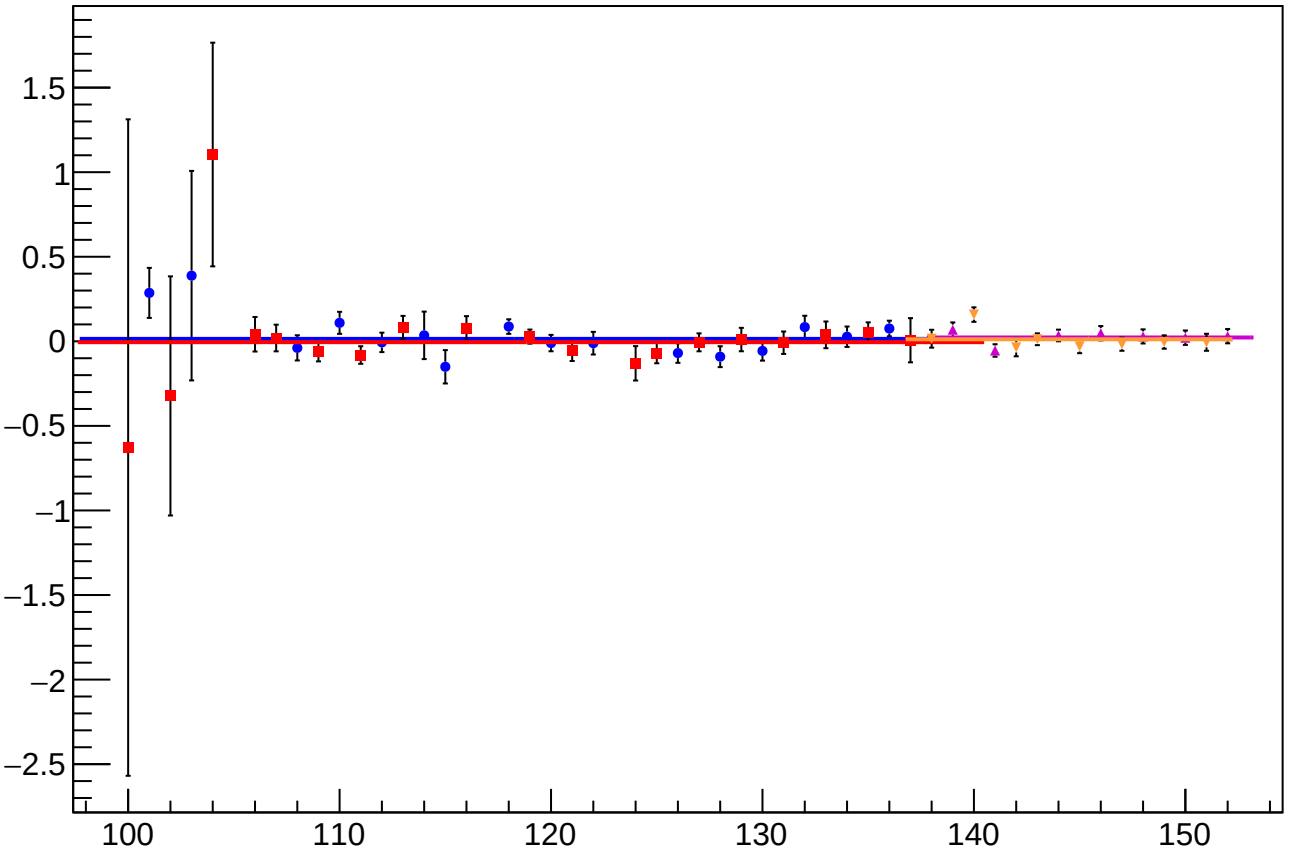
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 35.227+/-0.011 χ^2/NDF:85158.6/6

\+ sign 36.282+/-0.008 χ^2/NDF: 1970189.2/23

All: 36.336+/-0.005 χ^2/NDF: 4025374.8/49

\- sign 36.392+/-0.008 χ^2/NDF: 2055085.2/25



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.015 χ^2/NDF:14.3/7

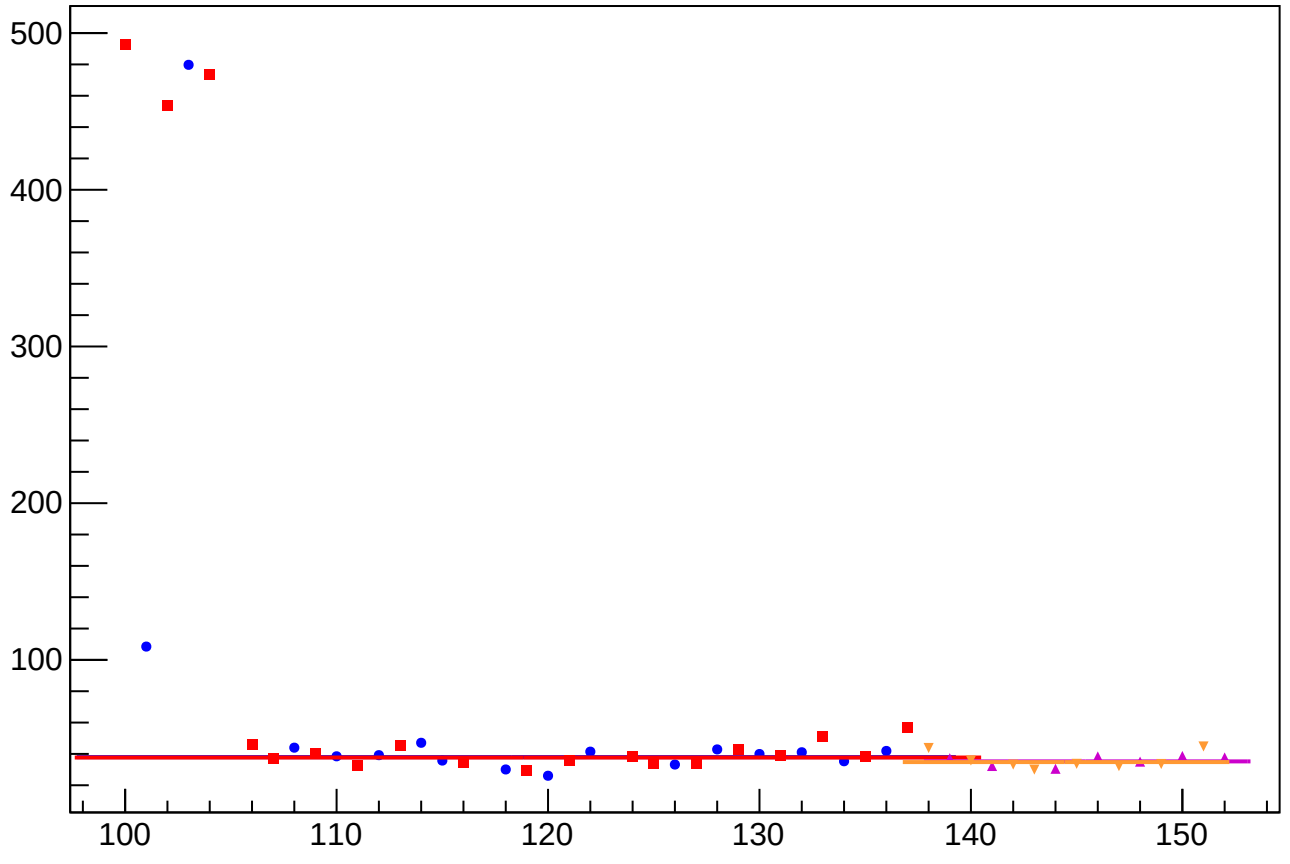
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.023+/-0.015 χ^2/NDF:6.0/6

+ sign 0.013+/-0.011 χ^2/NDF: 36.4/23

All: 0.011+/-0.008 χ^2/NDF: 58.9/49

- sign 0.010+/-0.011 χ^2/NDF: 22.4/25



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 34.795+/-0.011 χ^2/NDF:189336.2/7

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

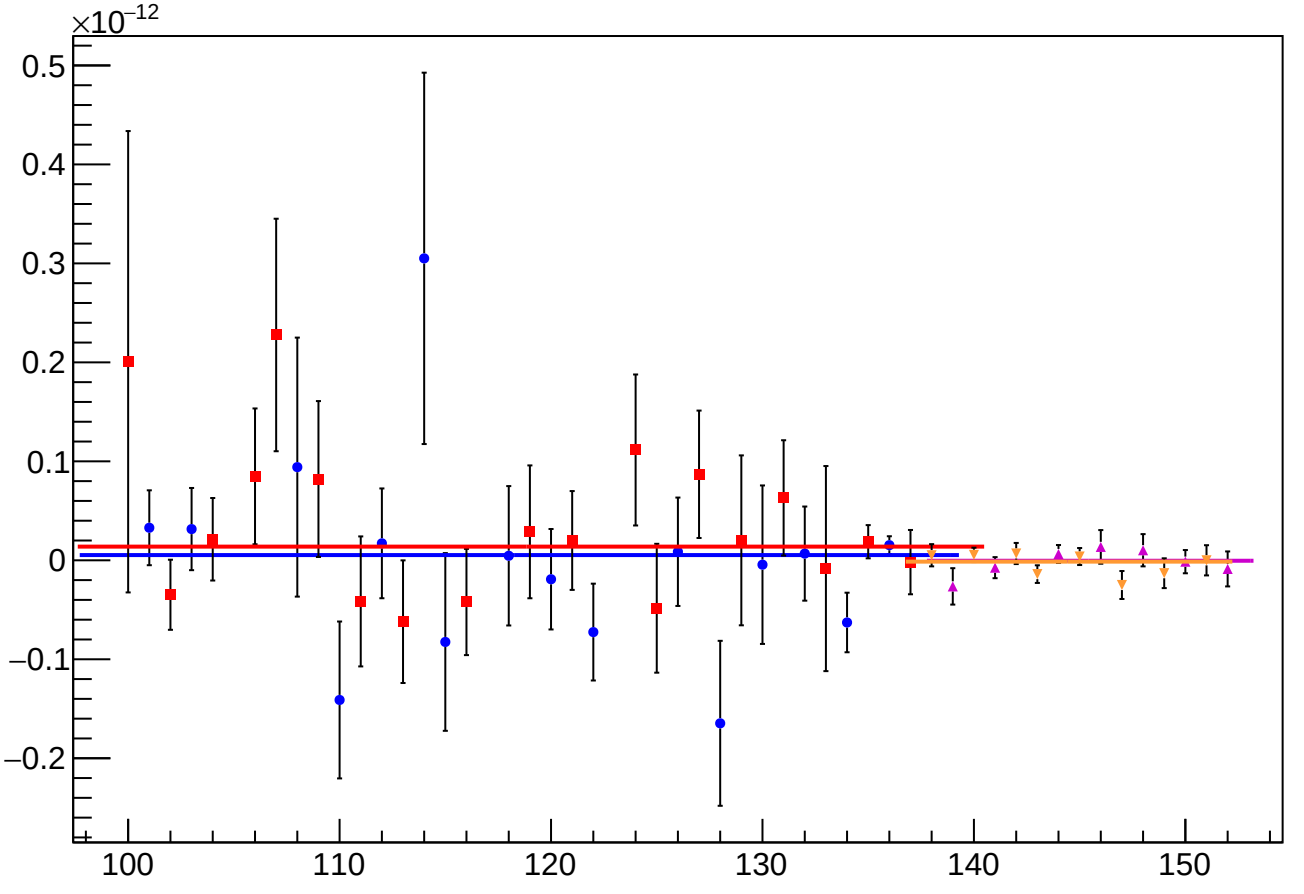
Left In: 35.227+/-0.011 χ^2/NDF:85158.6/6

+ sign 36.282+/-0.008 χ^2/NDF: 1970189.2/23

All: 36.336+/-0.005 χ^2/NDF: 4025374.8/49

- sign 36.392+/-0.008 χ^2/NDF: 2055085.2/25

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/7

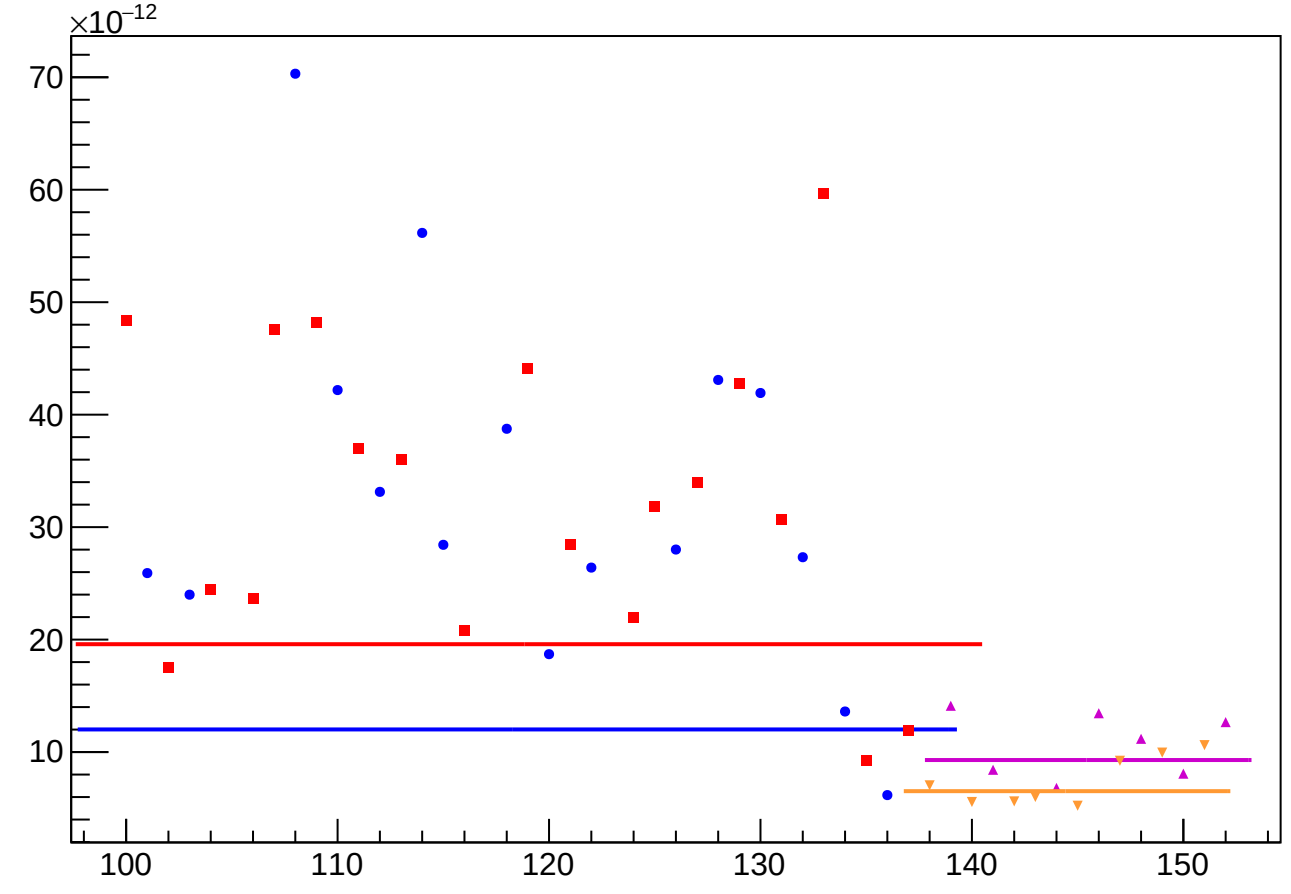
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 29.9/23

All: 0.000+/-0.000 χ^2/NDF: 51.8/49

- sign 0.000+/-0.000 χ^2/NDF: 21.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:427069.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

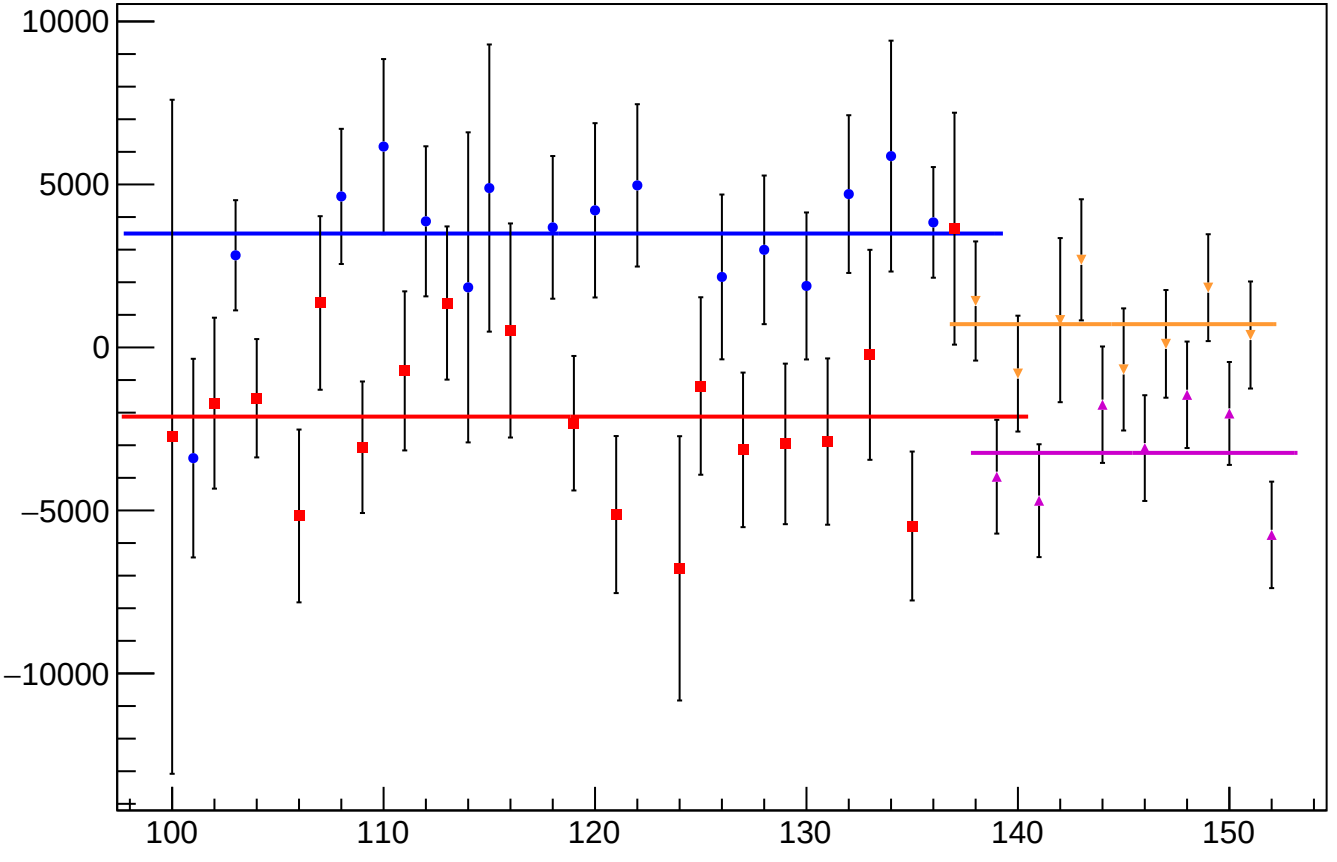
Left In: 0.000+/-0.000 χ^2/NDF:541223.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 5152204.3/23

All: 0.000+/-0.000 χ^2/NDF: 10709970.1/49

- sign 0.000+/-0.000 χ^2/NDF: 4726280.5/25

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 714.263+/-637.798 χ^2/NDF:3.2/7

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

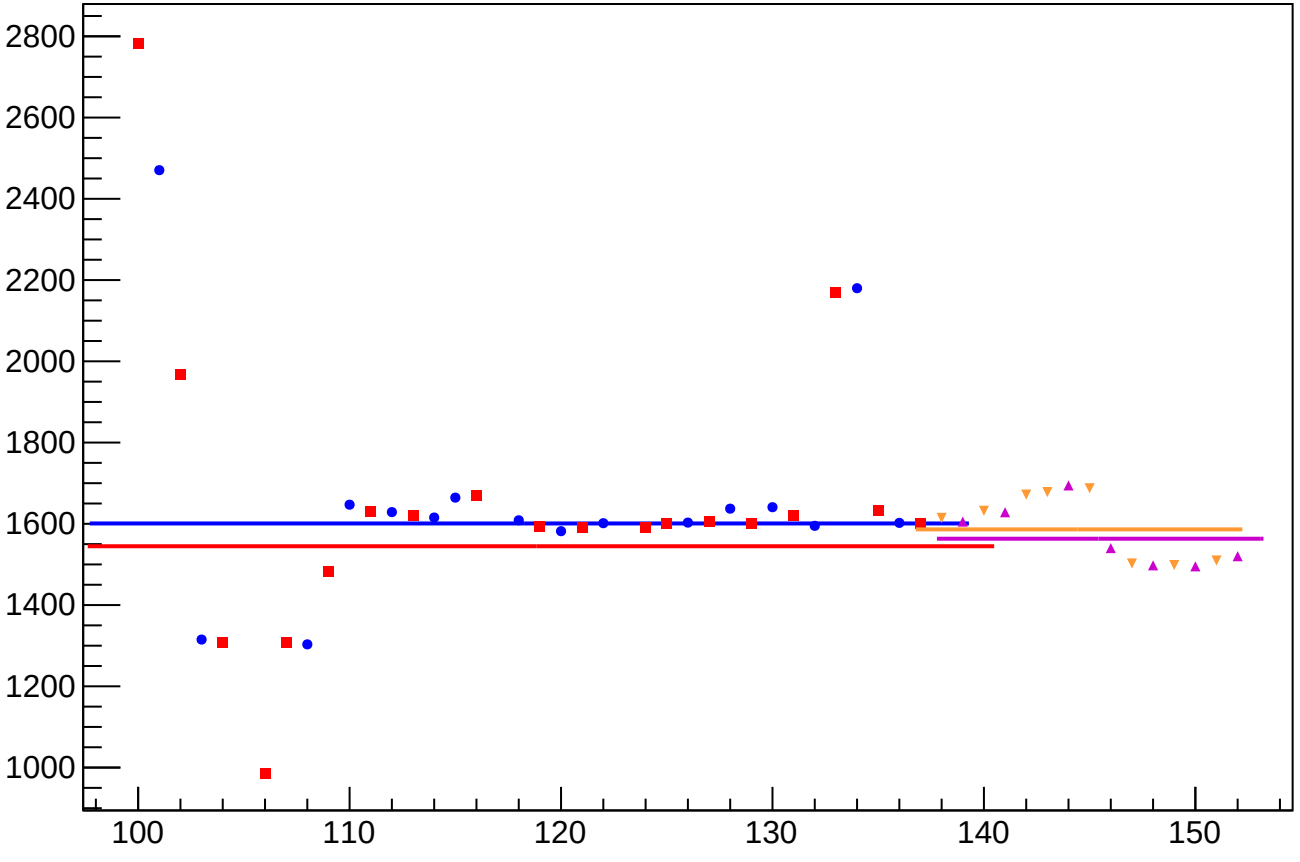
Left In: -3234.253+/-631.549 χ^2/NDF:5.7/6

+ sign 2186.404+/-437.473 χ^2/NDF: 22.1/23

All: -266.201+/-306.737 χ^2/NDF: 106.4/49

- sign -2637.947+/-430.201 χ^2/NDF: 22.5/25

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1586.331+/-0.451 χ^2/NDF:30104.2/7

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

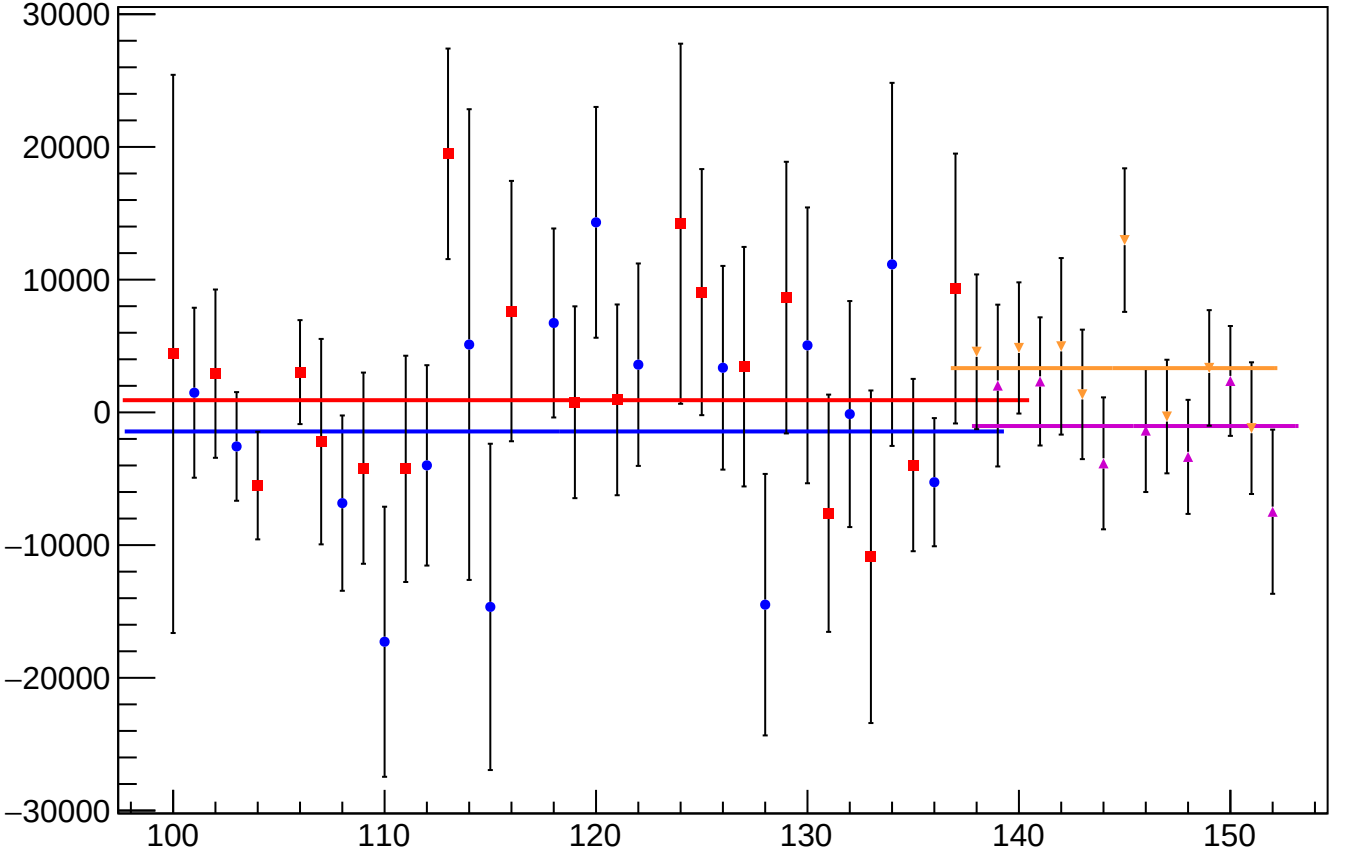
Left In: 1563.297+/-0.447 χ^2/NDF:23512.0/6

+ sign 1594.035+/-0.309 χ^2/NDF: 348069.3/23

All: 1573.107+/-0.216 χ^2/NDF: 757565.0/49

- sign 1553.233+/-0.301 χ^2/NDF: 400572.4/25

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 3334.366+/-1775.658 χ^2/NDF:5.1/7

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

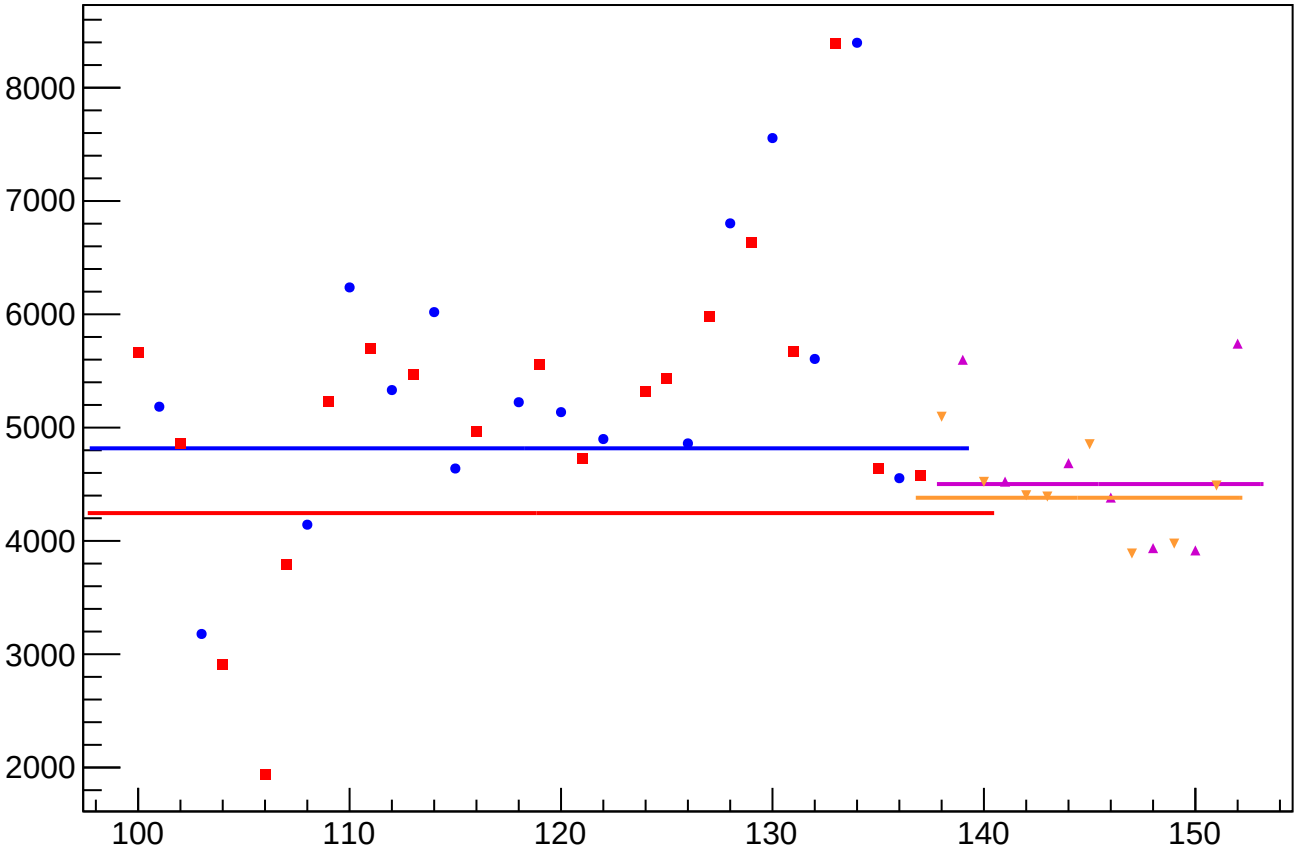
Left In: -1027.964+/-1839.448 χ^2/NDF:3.1/6

+ sign 1044.213+/-1280.486 χ^2/NDF: 22.4/23

All: 524.131+/-889.351 χ^2/NDF: 41.8/49

- sign 39.440+/-1236.151 χ^2/NDF: 19.1/25

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4380.997+/-1.256 χ^2/NDF:91688.6/7

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

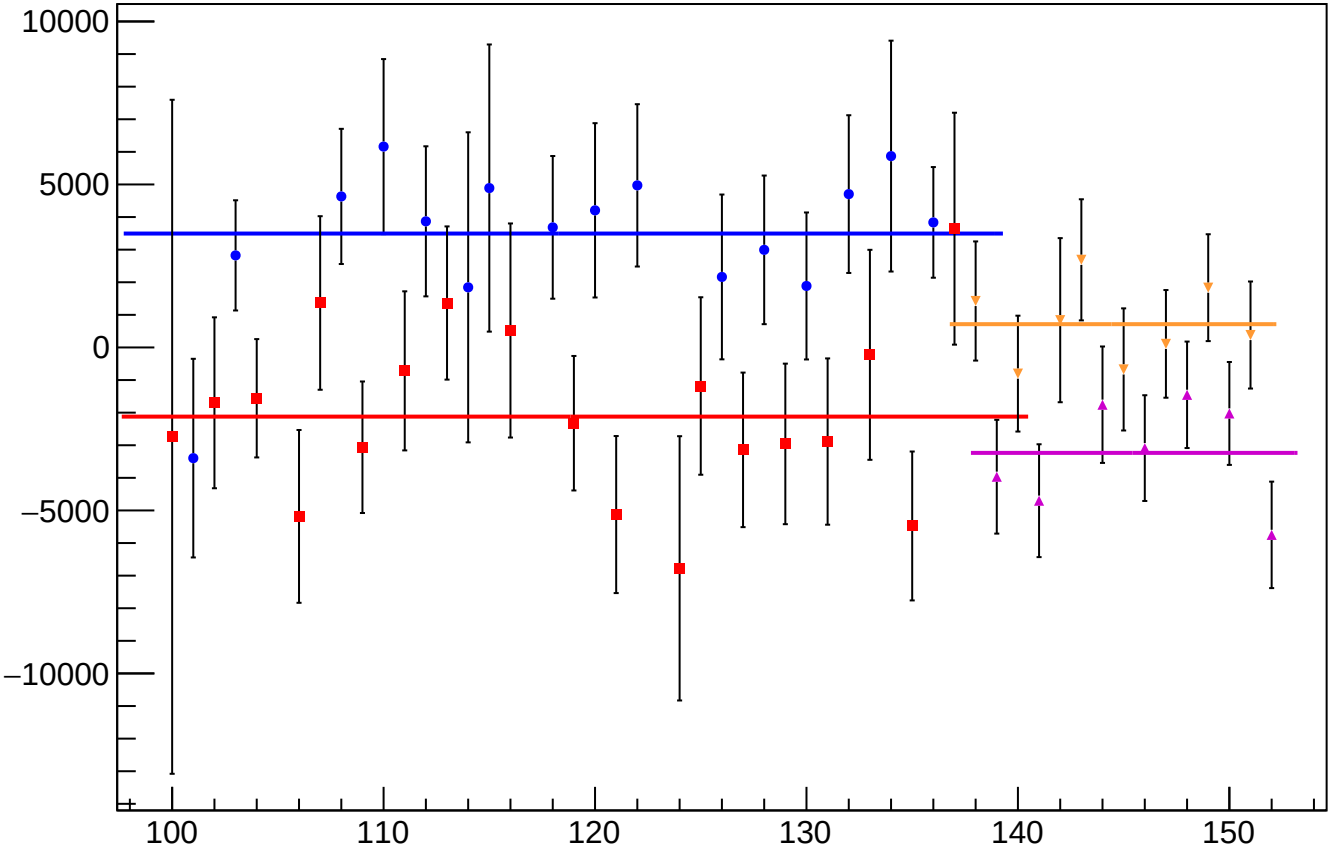
Left In: 4501.790+/-1.301 χ^2/NDF:223904.9/6

+ sign 4590.429+/-0.905 χ^2/NDF: 945087.4/23

All: 4471.810+/-0.629 χ^2/NDF: 2906595.2/49

- sign 4361.263+/-0.874 χ^2/NDF: 1928350.0/25

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 714.156+/-637.798 χ^2/NDF:3.2/7

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

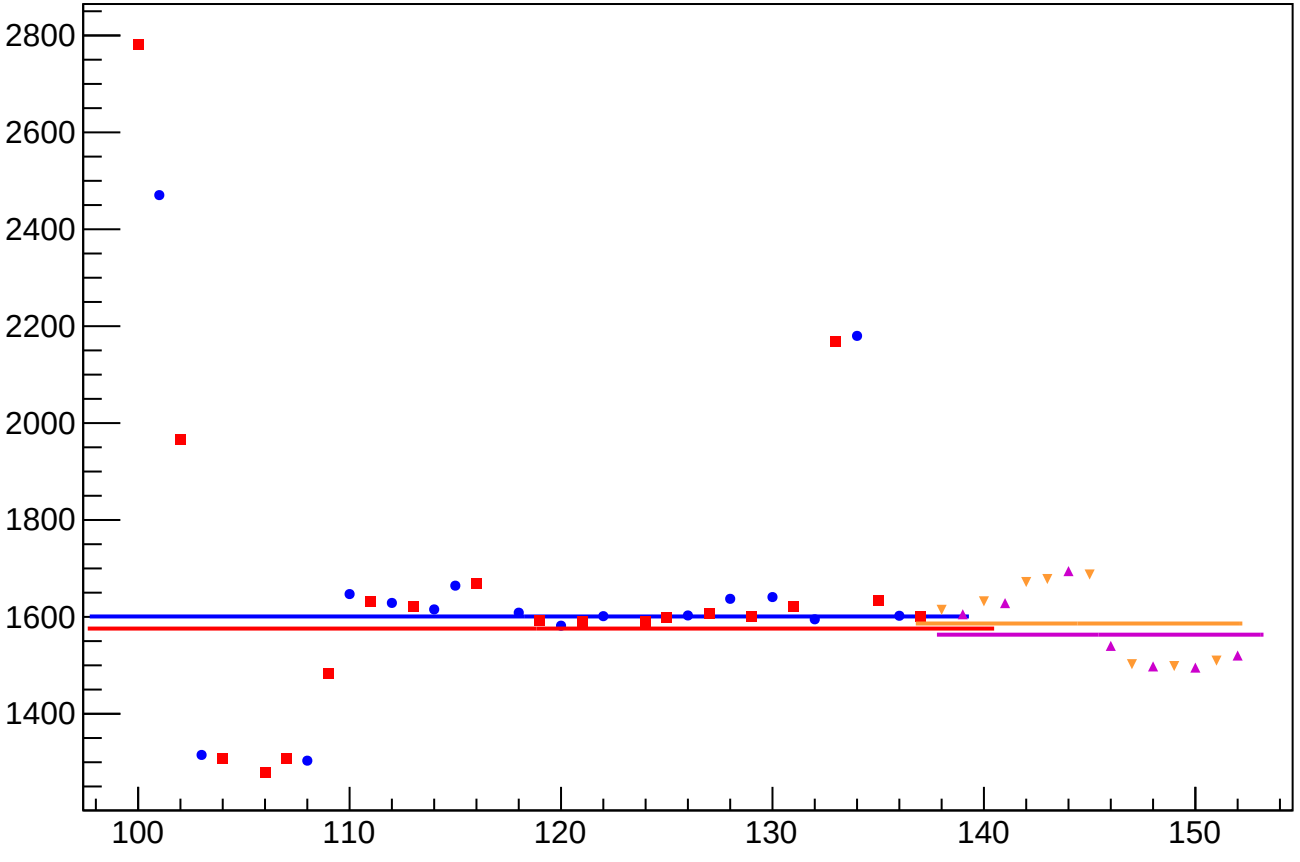
Left In: -3234.364+/-631.549 χ^2/NDF:5.7/6

+ sign 2186.177+/-437.473 χ^2/NDF: 22.1/23

All: -266.331+/-306.737 χ^2/NDF: 106.4/49

- sign -2637.996+/-430.202 χ^2/NDF: 22.5/25

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1586.331+/-0.451 χ^2/NDF:30104.2/7

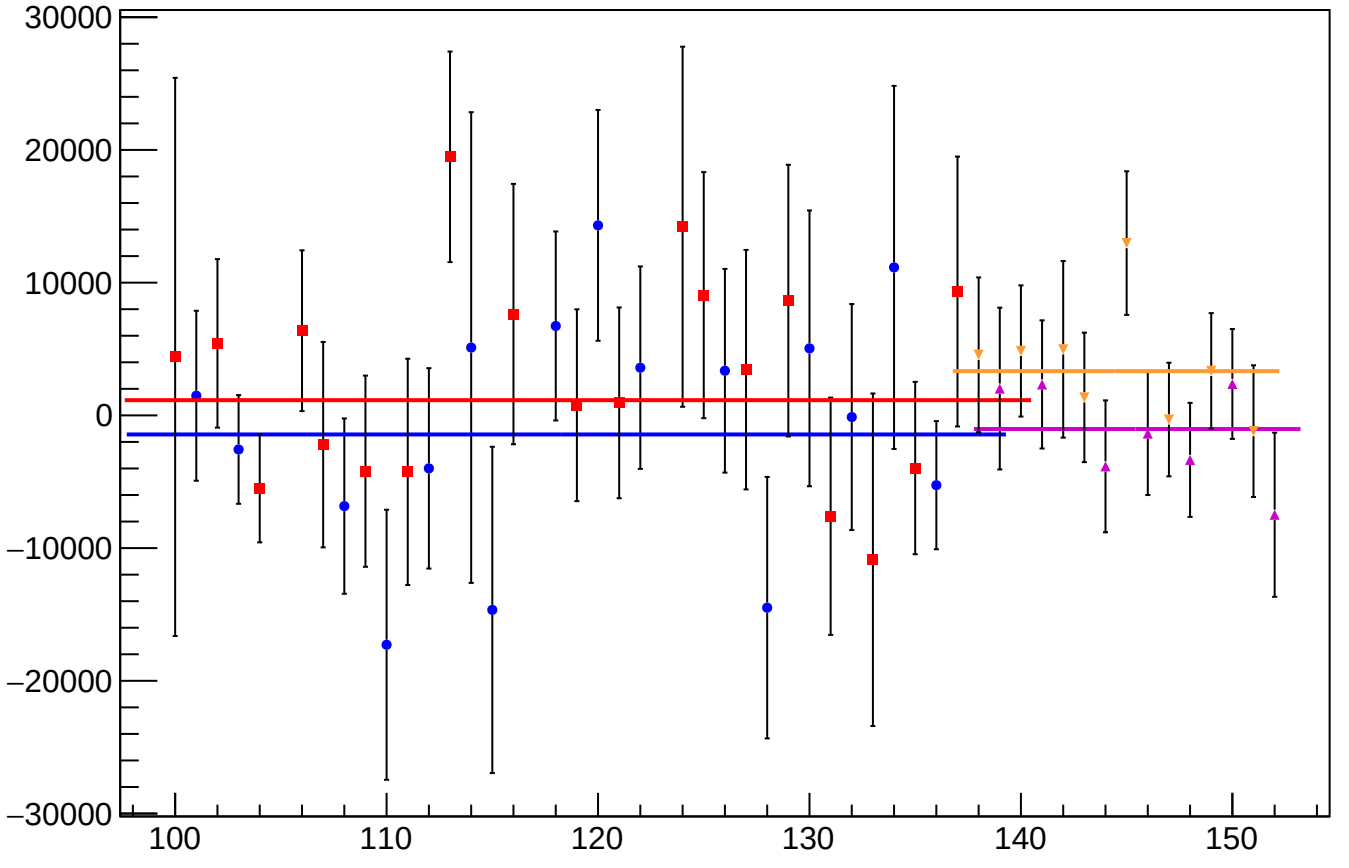
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1563.297+/-0.447 χ^2/NDF:23512.0/6

+ sign 1594.035+/-0.309 χ^2/NDF: 348068.4/23

All: 1581.830+/-0.217 χ^2/NDF: 618396.6/49

- sign 1570.077+/-0.304 χ^2/NDF: 267272.4/25



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 3334.348+/-1775.653 χ^2/NDF:5.1/7

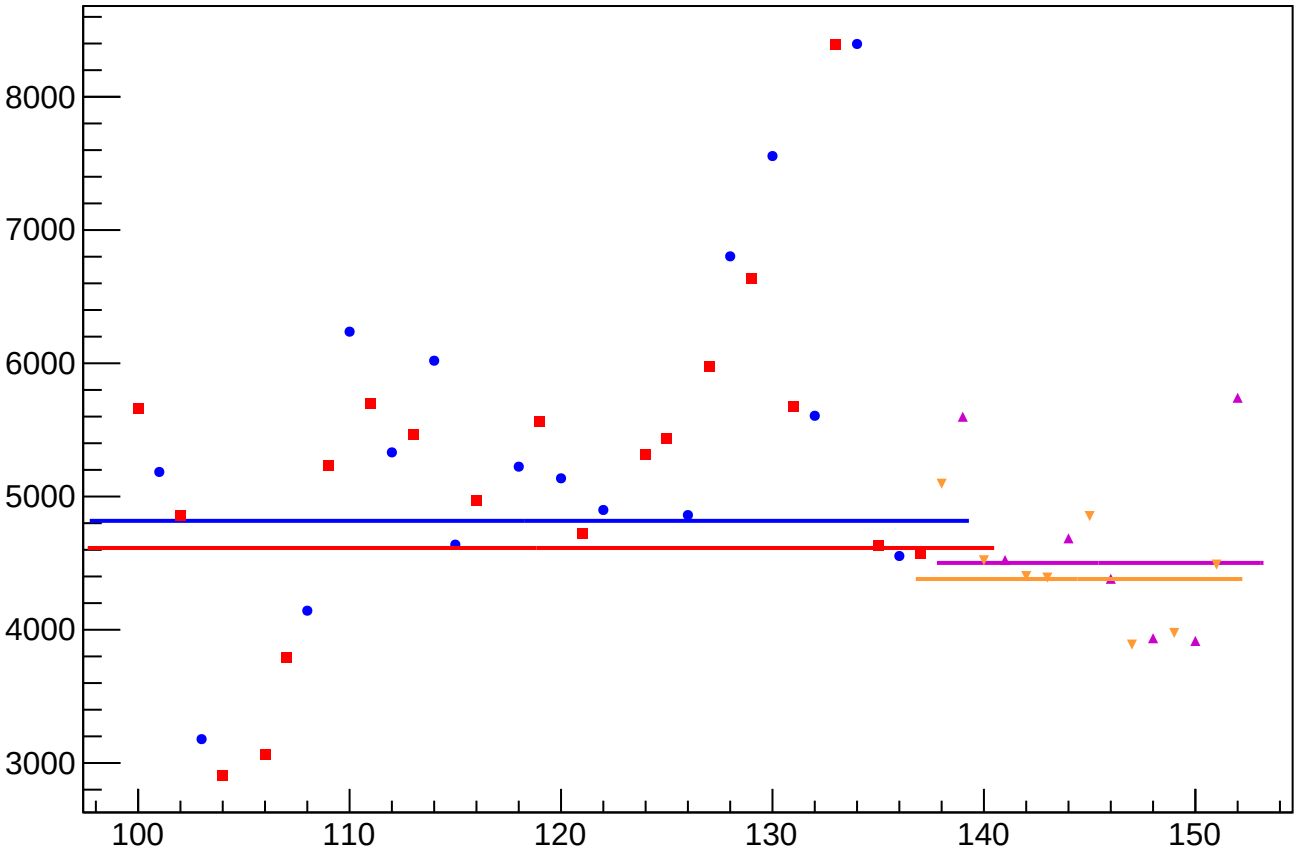
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -1028.110+/-1839.448 χ^2/NDF:3.1/6

+ sign 1044.142+/-1280.497 χ^2/NDF: 22.4/23

All: 571.409+/-903.033 χ^2/NDF: 42.8/49

- sign 103.686+/-1273.694 χ^2/NDF: 20.1/25



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4380.984+/-1.256 χ^2/NDF:91689.9/7

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

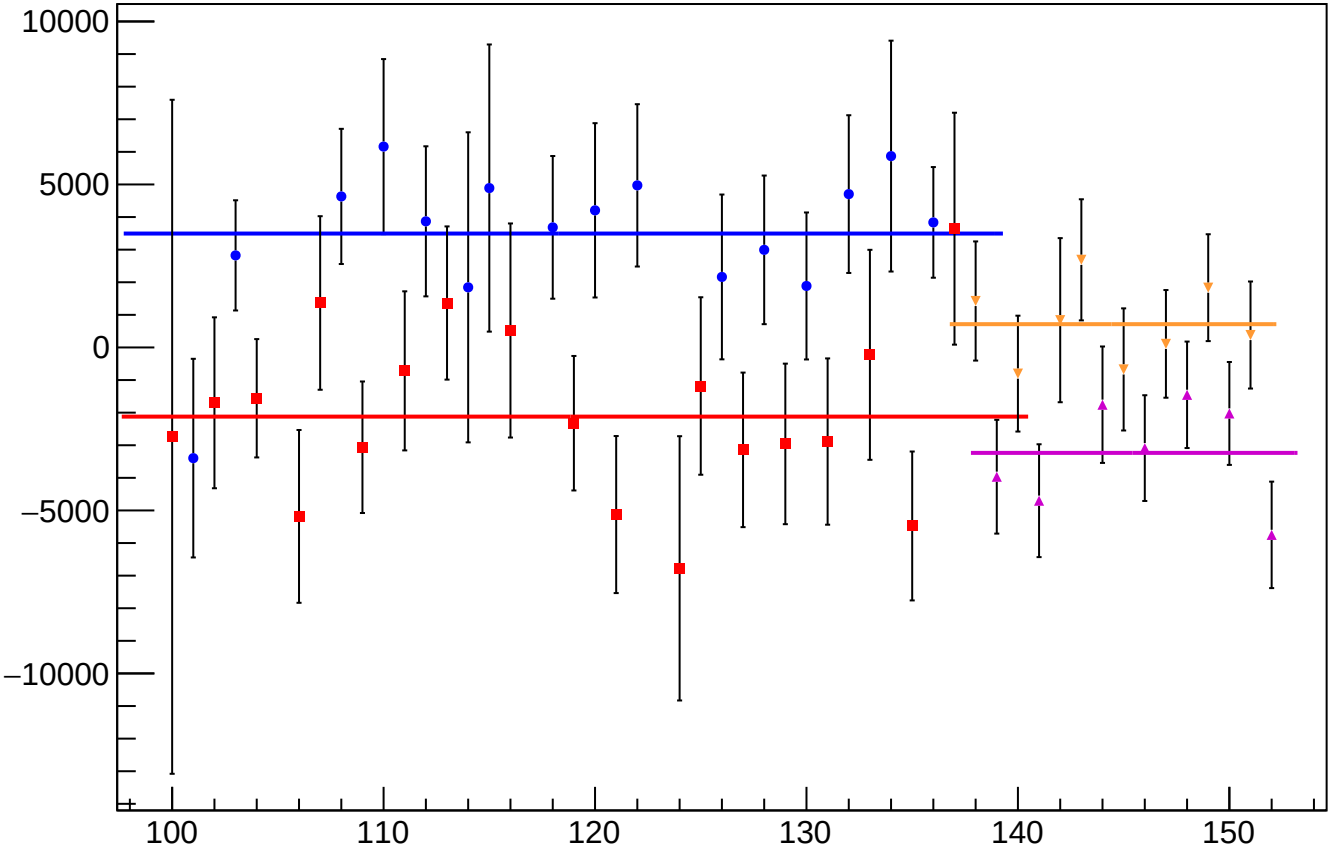
Left In: 4501.790+/-1.301 χ^2/NDF:223908.5/6

+ sign 4590.482+/-0.905 χ^2/NDF: 944929.4/23

All: 4575.221+/-0.639 χ^2/NDF: 2151224.9/49

- sign 4560.122+/-0.901 χ^2/NDF: 1205730.4/25

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 714.156+/-637.798 χ^2/NDF:3.2/7

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

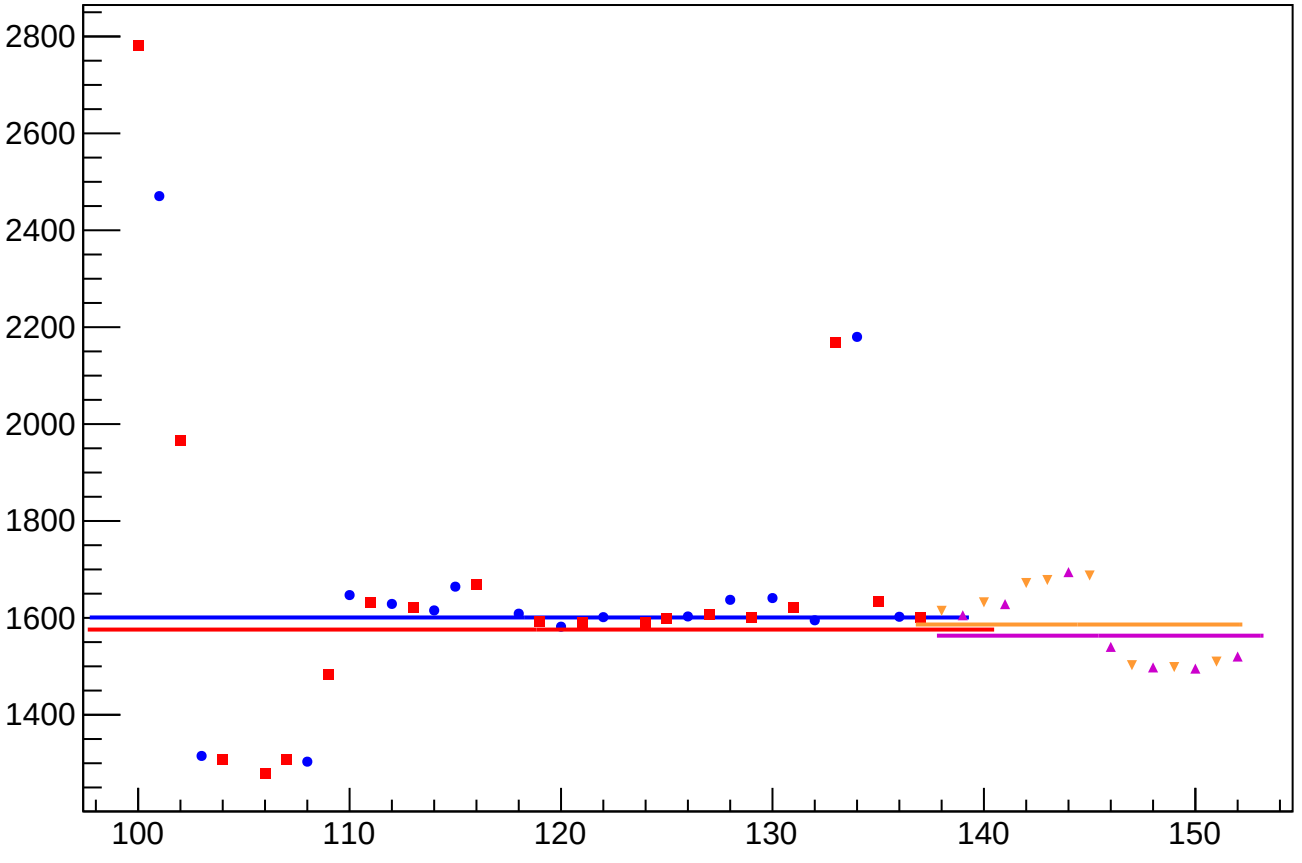
Left In: -3234.364+/-631.549 χ^2/NDF:5.7/6

+ sign 2186.177+/-437.473 χ^2/NDF: 22.1/23

All: -266.331+/-306.737 χ^2/NDF: 106.4/49

- sign -2637.996+/-430.202 χ^2/NDF: 22.5/25

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1586.331+/-0.451 χ^2/NDF:30104.2/7

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

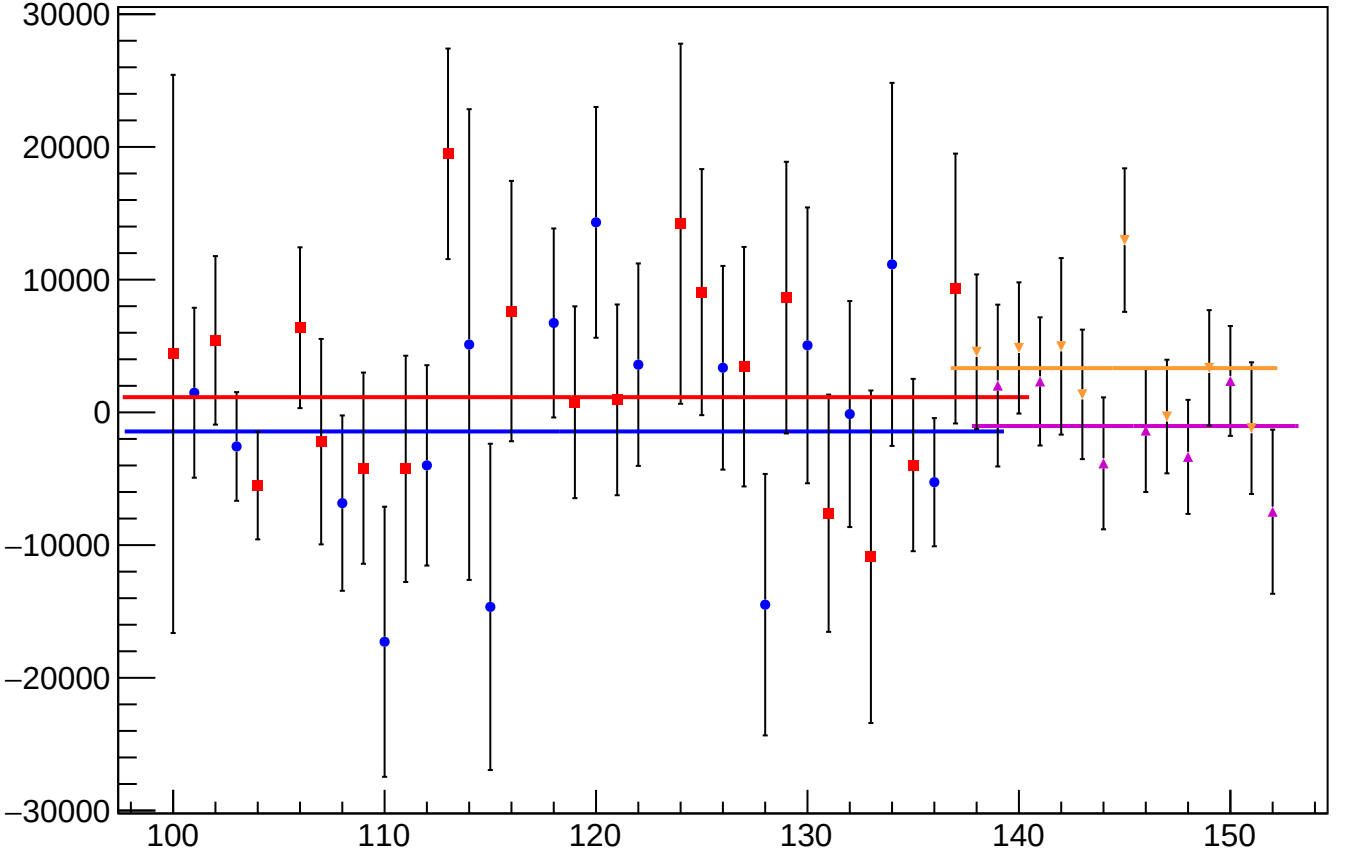
Left In: 1563.297+/-0.447 χ^2/NDF:23512.0/6

+ sign 1594.035+/-0.309 χ^2/NDF: 348068.4/23

All: 1581.830+/-0.217 χ^2/NDF: 618396.6/49

- sign 1570.077+/-0.304 χ^2/NDF: 267272.4/25

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 3334.348+/-1775.653 χ^2/NDF:5.1/7

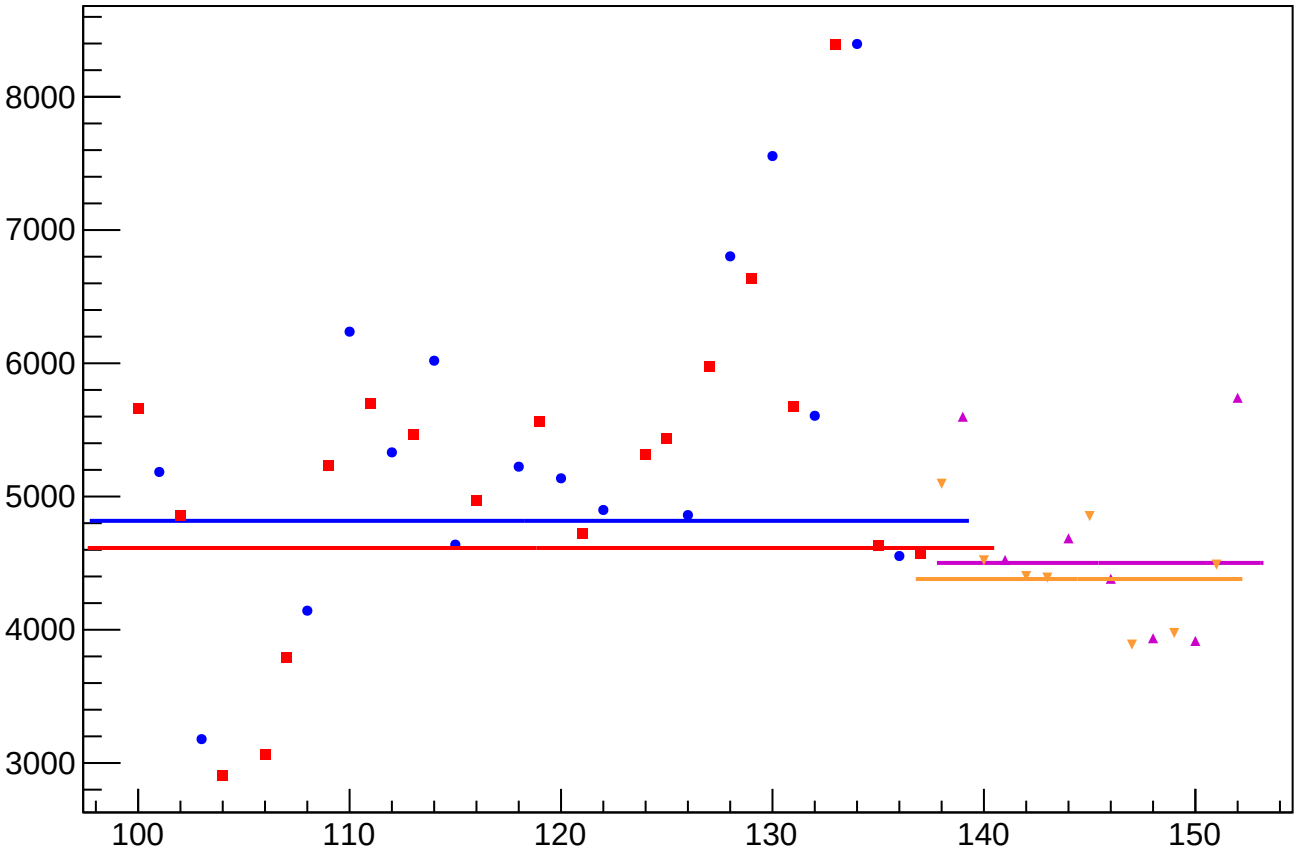
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -1028.110+/-1839.448 χ^2/NDF:3.1/6

+ sign 1044.142+/-1280.497 χ^2/NDF: 22.4/23

All: 571.409+/-903.033 χ^2/NDF: 42.8/49

- sign 103.686+/-1273.694 χ^2/NDF: 20.1/25



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4380.984+/-1.256 χ^2/NDF:91689.9/7

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

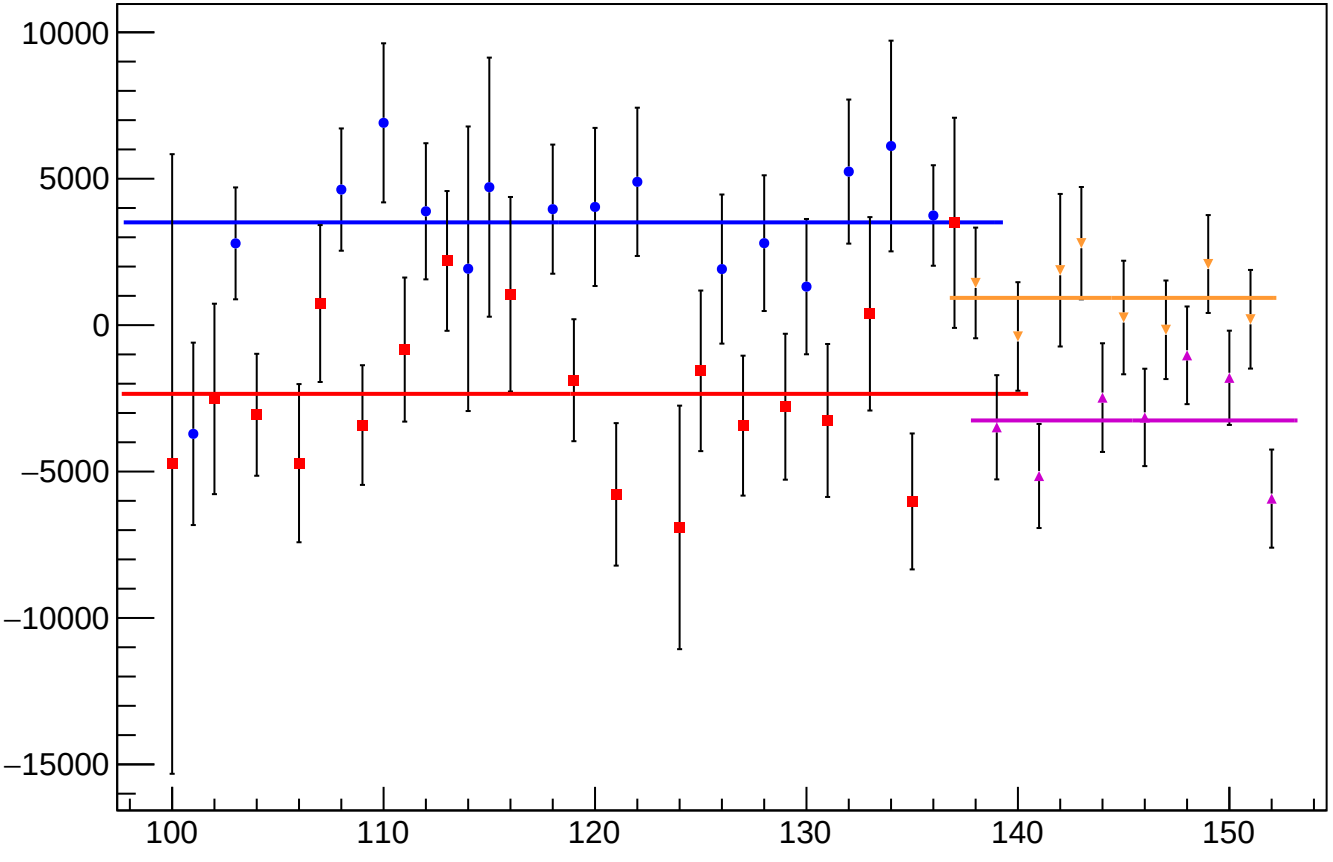
Left In: 4501.790+/-1.301 χ^2/NDF:223908.5/6

+ sign 4590.482+/-0.905 χ^2/NDF: 944929.4/23

All: 4575.221+/-0.639 χ^2/NDF: 2151224.9/49

- sign 4560.122+/-0.901 χ^2/NDF: 1205730.4/25

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 930.770+/-656.553 χ^2/NDF:2.9/7

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

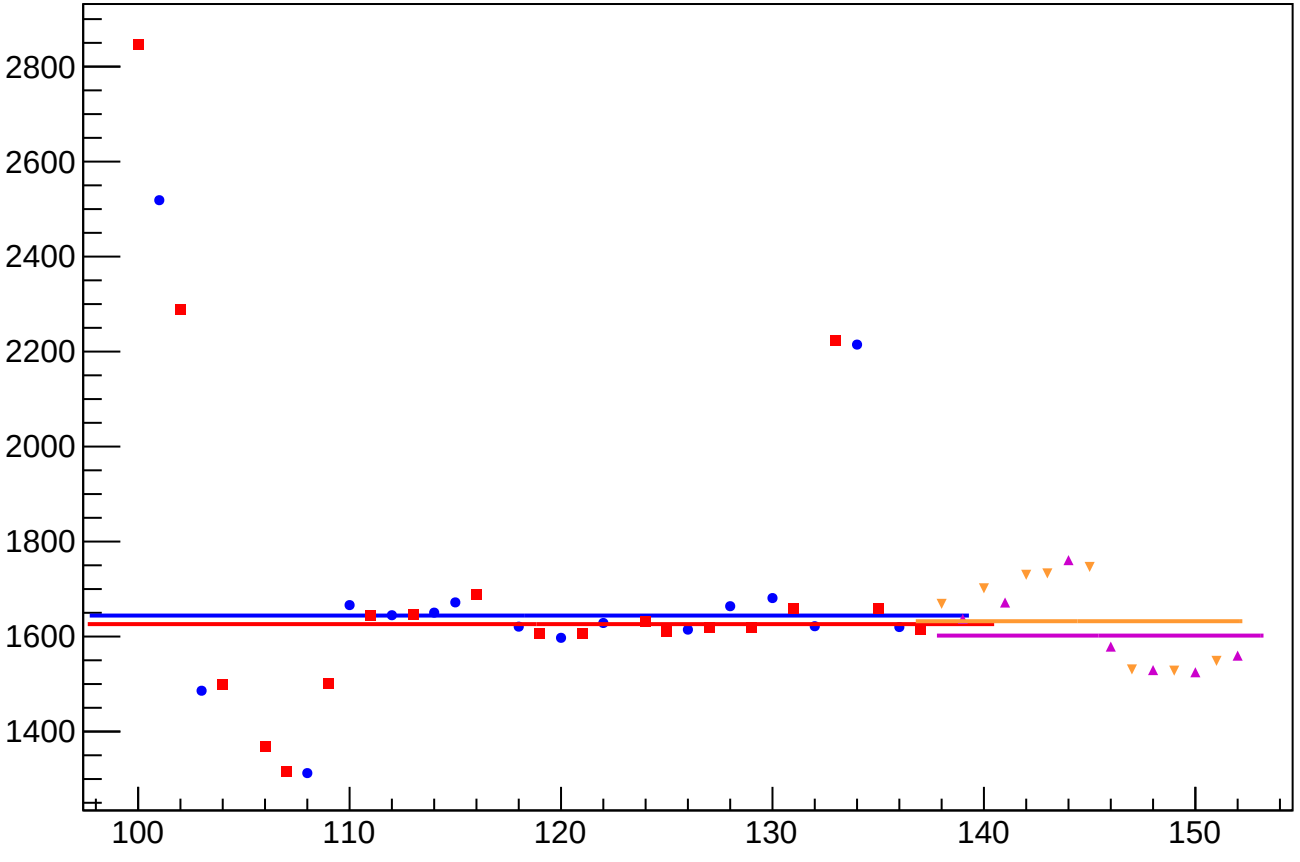
Left In: -3254.596+/-647.352 χ^2/NDF:6.5/6

+ sign 2300.724+/-449.511 χ^2/NDF: 21.4/23

All: -272.682+/-315.520 χ^2/NDF: 110.7/49

- sign -2771.930+/-442.987 χ^2/NDF: 24.6/25

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1632.290+/-0.464 χ^2/NDF:38762.1/7

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

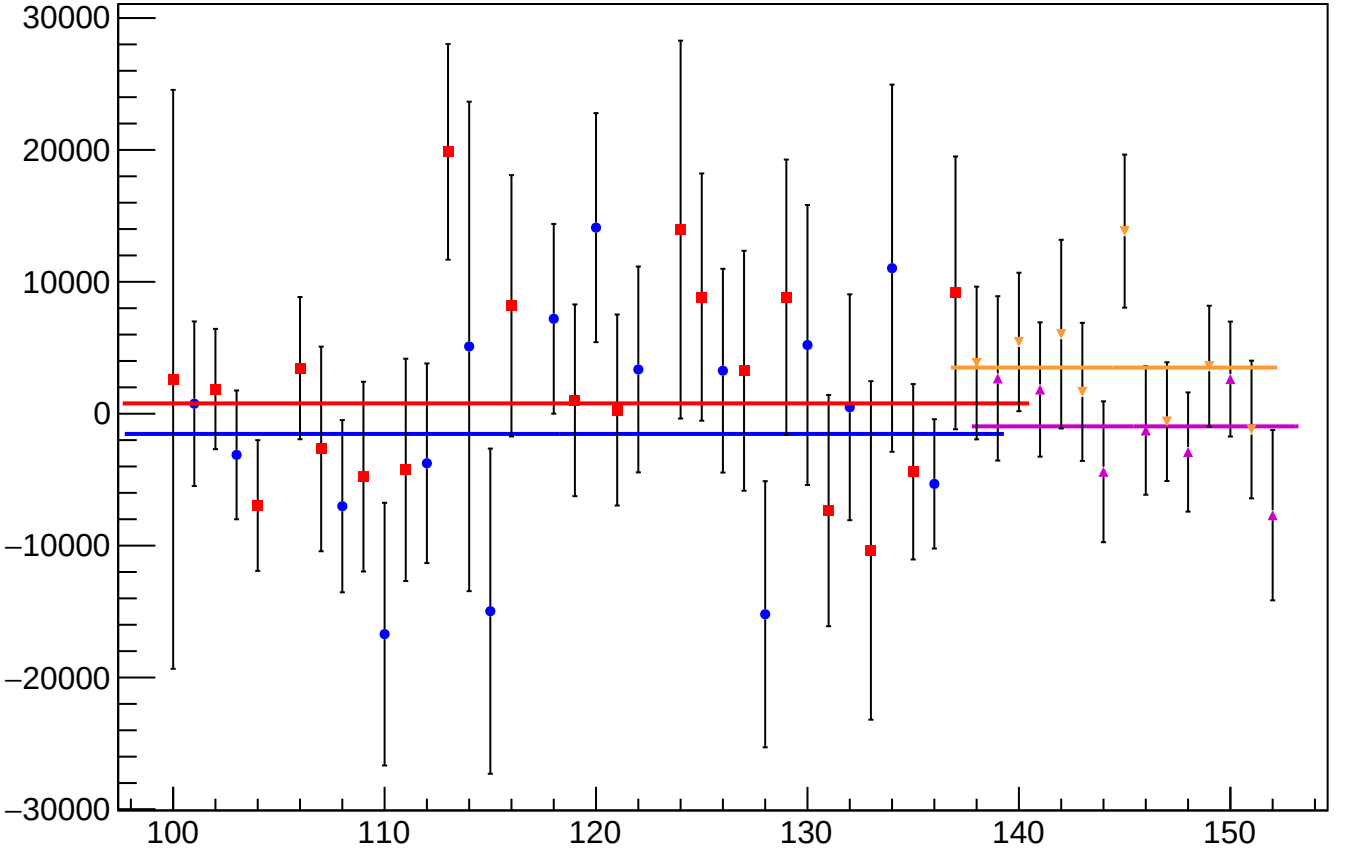
Left In: 1602.011+/-0.458 χ^2/NDF:28563.6/6

+ sign 1638.616+/-0.318 χ^2/NDF: 313929.5/23

All: 1626.564+/-0.223 χ^2/NDF: 584448.0/49

- sign 1614.870+/-0.313 χ^2/NDF: 267685.7/25

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 3502.118+/-1871.157 χ^2/NDF:5.2/7

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

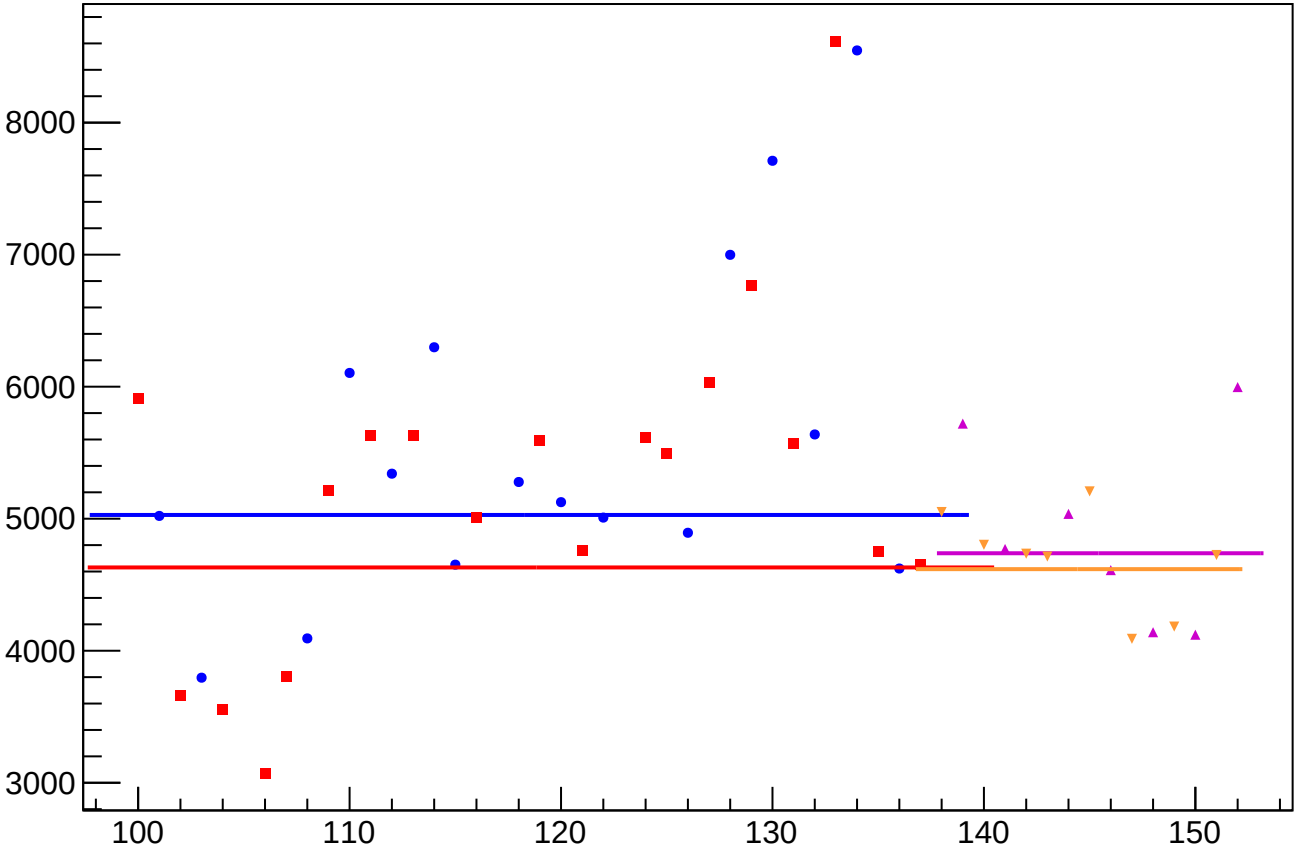
Left In: -957.953+/-1934.983 χ^2/NDF:3.0/6

+ sign 1041.714+/-1337.929 χ^2/NDF: 22.6/23

All: 505.373+/-931.375 χ^2/NDF: 41.4/49

- sign 1.084+/-1297.335 χ^2/NDF: 18.5/25

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4618.056+/-1.323 χ^2/NDF:81833.5/7

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

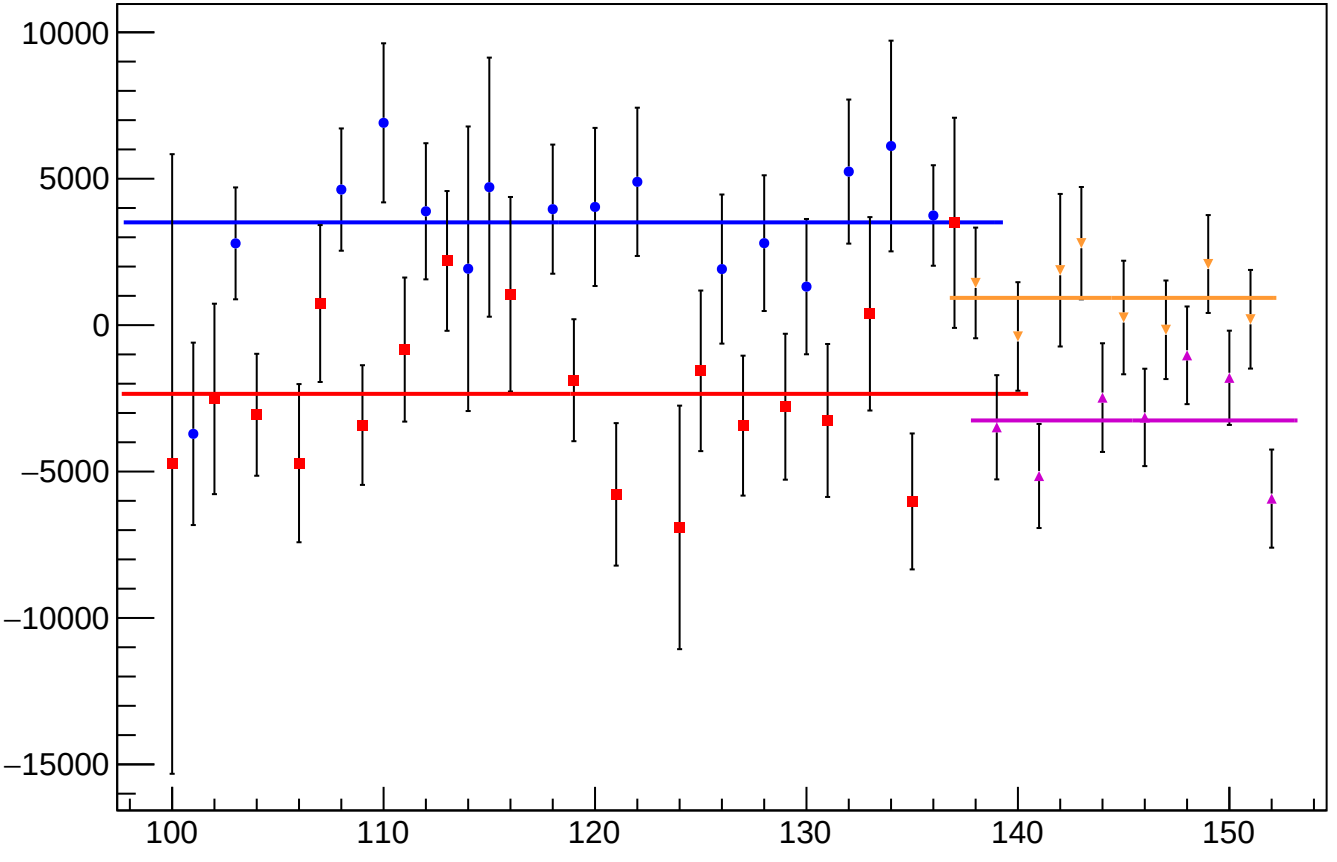
Left In: 4738.414+/-1.368 χ^2/NDF:208432.9/6

+ sign 4818.630+/-0.946 χ^2/NDF: 694323.0/23

All: 4746.783+/-0.659 χ^2/NDF: 1780859.7/49

- sign 4679.231+/-0.917 χ^2/NDF: 1075346.7/25

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 930.769+/-656.553 χ^2/NDF:2.9/7

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

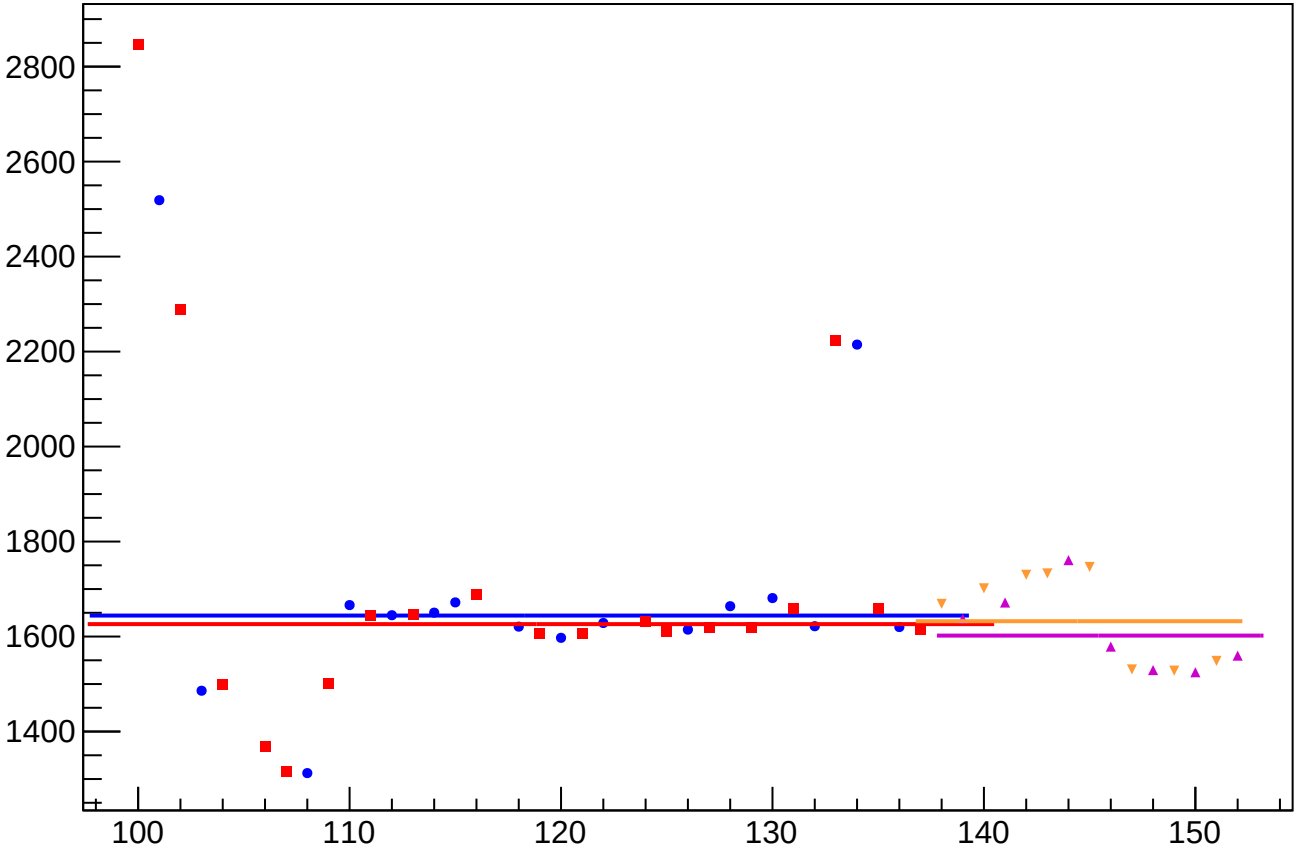
Left In: -3254.593+/-647.352 χ^2/NDF:6.5/6

+ sign 2300.726+/-449.511 χ^2/NDF: 21.4/23

All: -272.682+/-315.521 χ^2/NDF: 110.7/49

- sign -2771.931+/-442.987 χ^2/NDF: 24.6/25

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1632.291+/-0.464 χ^2/NDF:38762.2/7

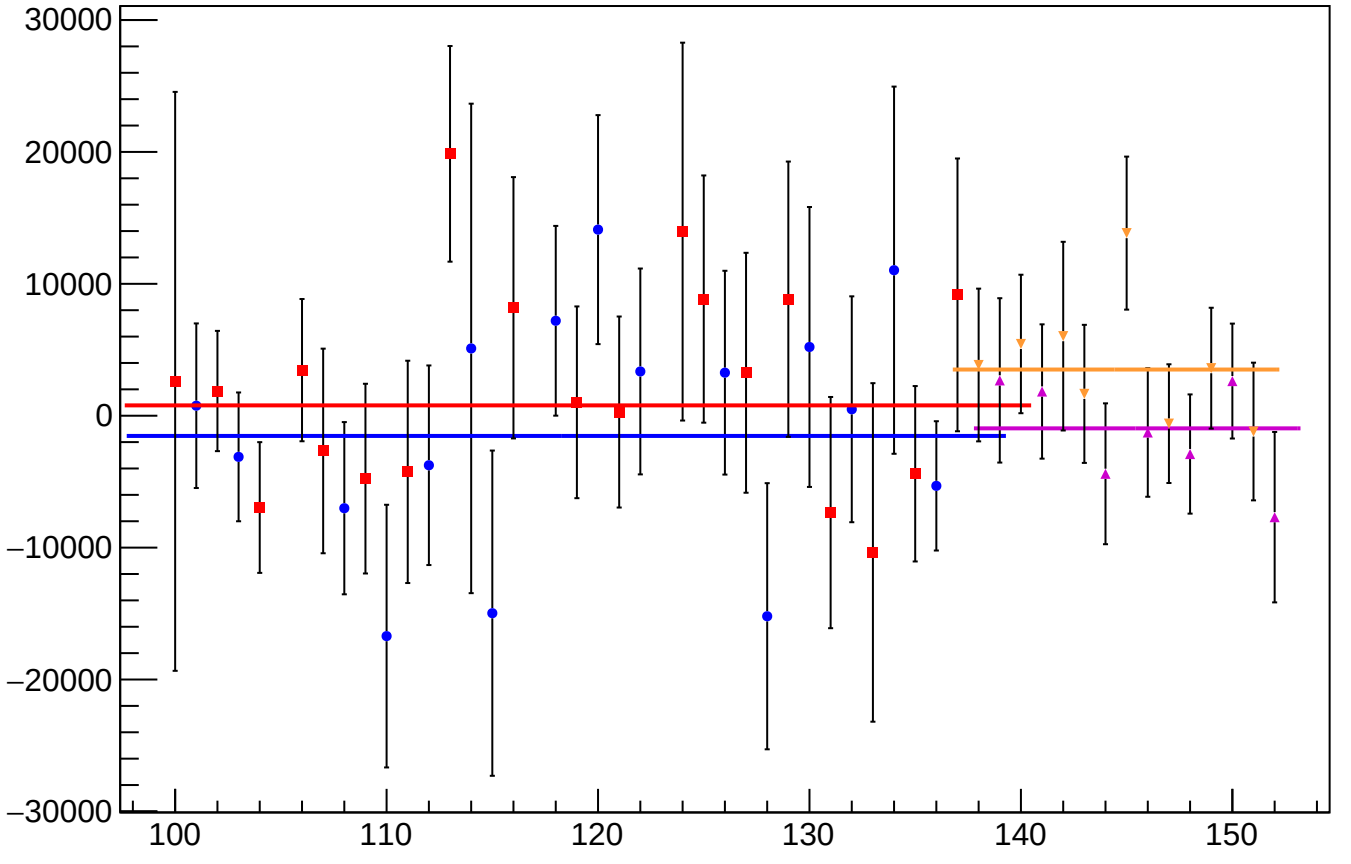
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1602.012+/-0.458 χ^2/NDF:28563.6/6

+ sign 1638.617+/-0.318 χ^2/NDF: 313929.7/23

All: 1626.564+/-0.223 χ^2/NDF: 584447.7/49

- sign 1614.870+/-0.313 χ^2/NDF: 267685.1/25



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 3502.118+/-1871.159 χ^2/NDF:5.2/7

Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

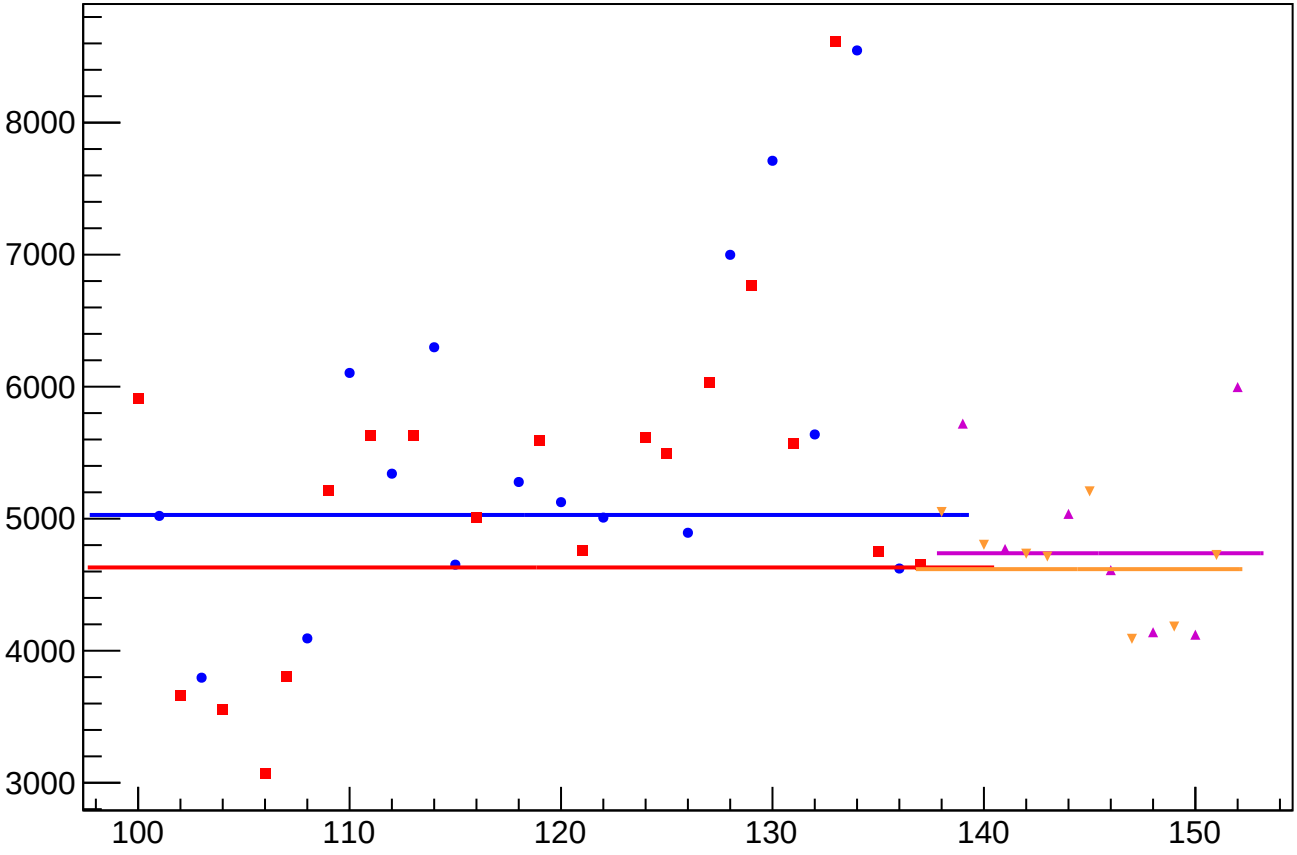
Left In: -957.951+/-1934.985 χ^2/NDF:3.0/6

+ sign 1041.714+/-1337.929 χ^2/NDF: 22.6/23

All: 505.375+/-931.375 χ^2/NDF: 41.4/49

- sign 1.088+/-1297.335 χ^2/NDF: 18.5/25

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4618.063+/-1.323 χ^2/NDF:81833.7/7

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

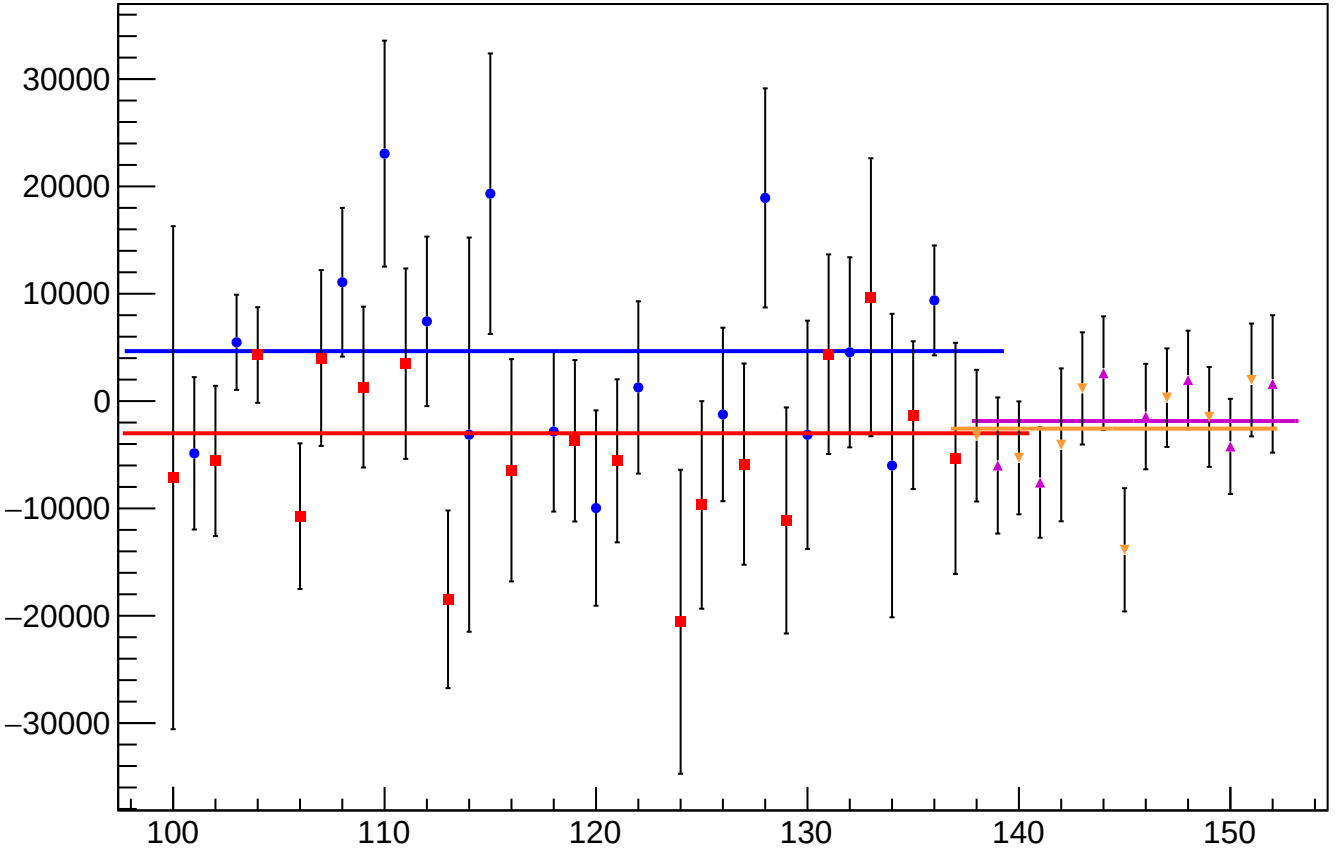
Left In: 4738.421+/-1.368 χ^2/NDF:208432.2/6

+ sign 4818.631+/-0.946 χ^2/NDF: 694313.8/23

All: 4746.784+/-0.659 χ^2/NDF: 1780845.0/49

- sign 4679.230+/-0.917 χ^2/NDF: 1075341.0/25

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -2565.445+/-1892.293 χ^2/NDF:5.9/7

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

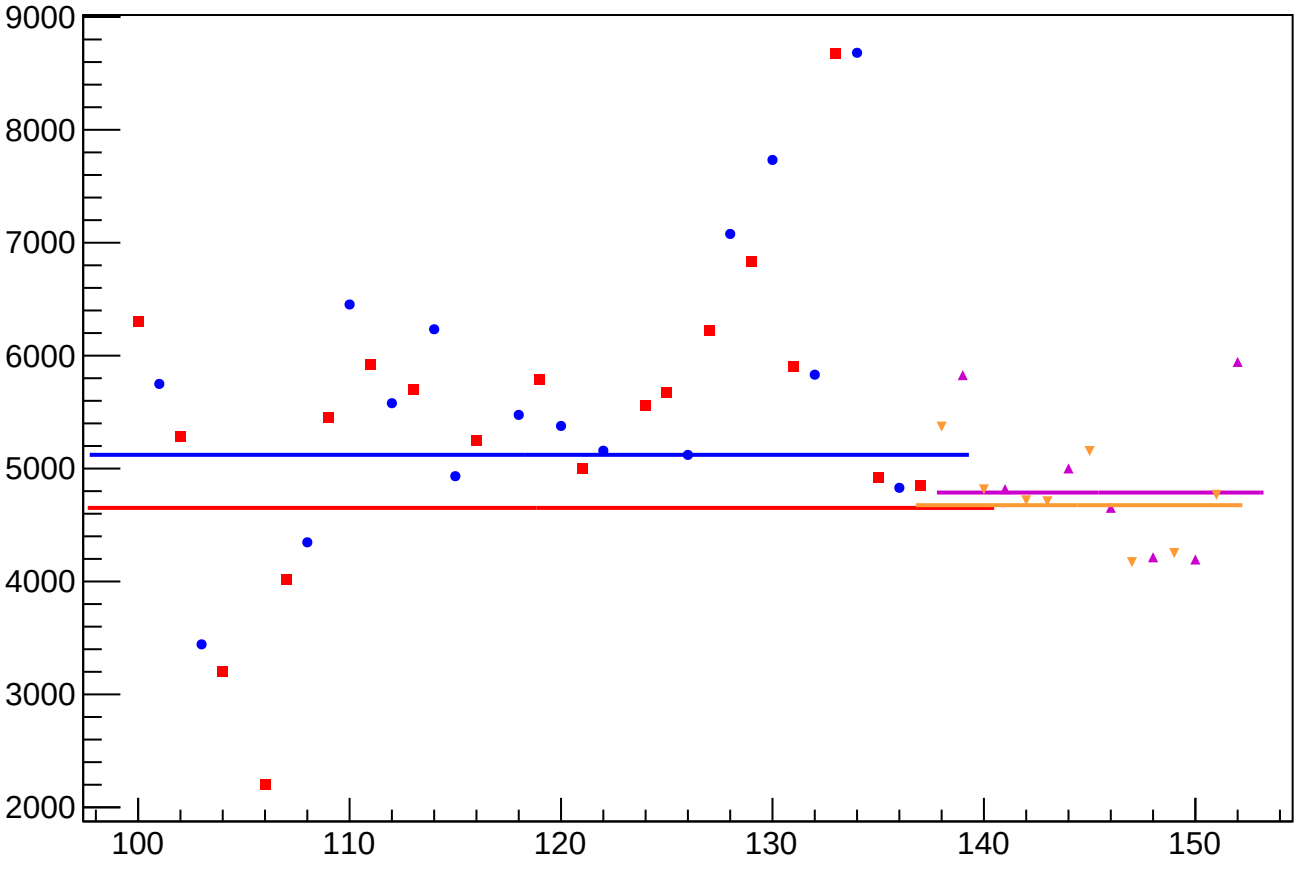
Left In: -1856.141+/-1952.321 χ^2/NDF:3.7/6

+ sign 919.780+/-1360.856 χ^2/NDF: 28.5/23

All: -771.702+/-960.286 χ^2/NDF: 49.2/49

- sign -2449.301+/-1355.260 χ^2/NDF: 17.7/25

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4675.661+/-1.338 χ^2/NDF:82659.9/7

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

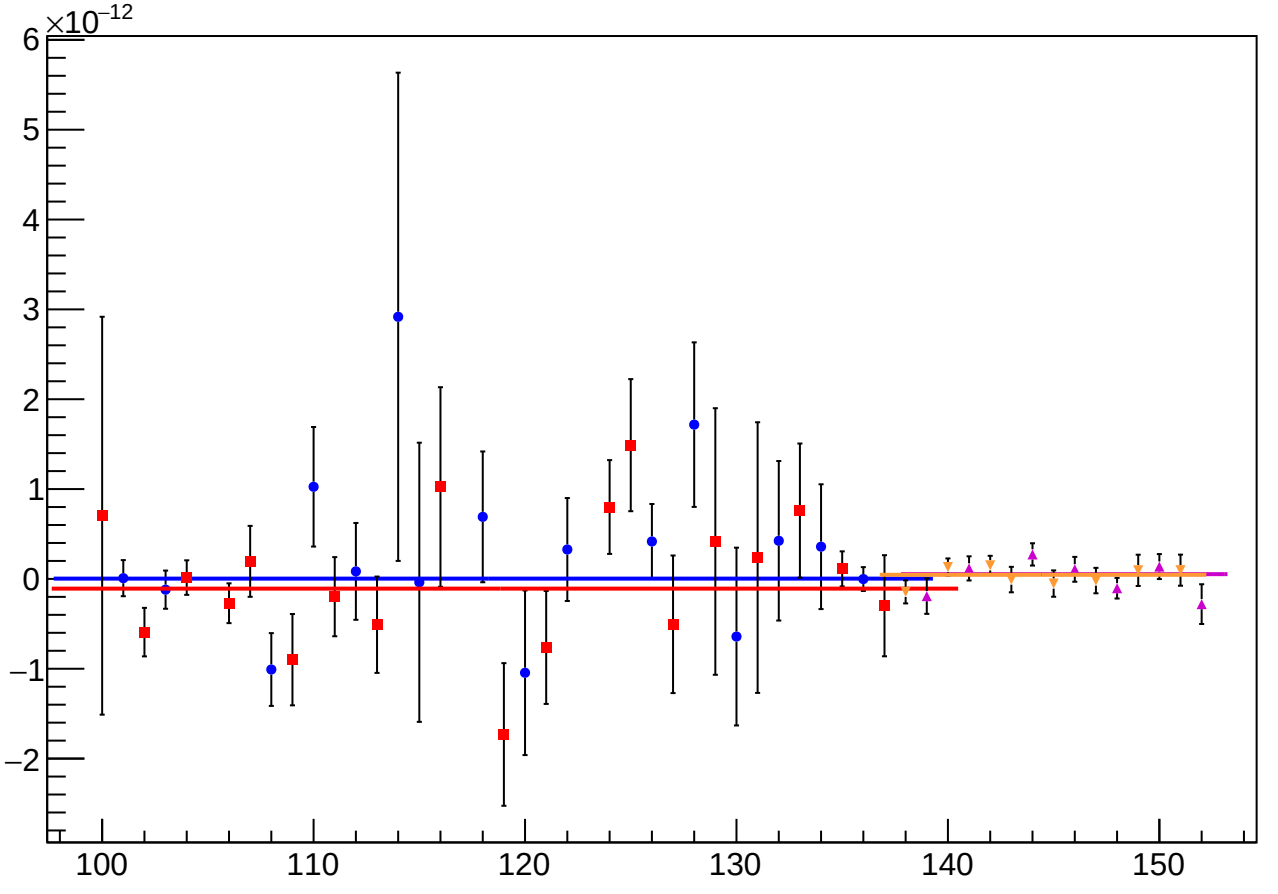
Left In: 4787.637+/-1.380 χ^2/NDF:190766.8/6

+ sign 4890.987+/-0.962 χ^2/NDF: 856667.4/23

All: 4800.599+/-0.672 χ^2/NDF: 2414733.3/49

- sign 4714.574+/-0.939 χ^2/NDF: 1540845.3/25

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:4.9/7

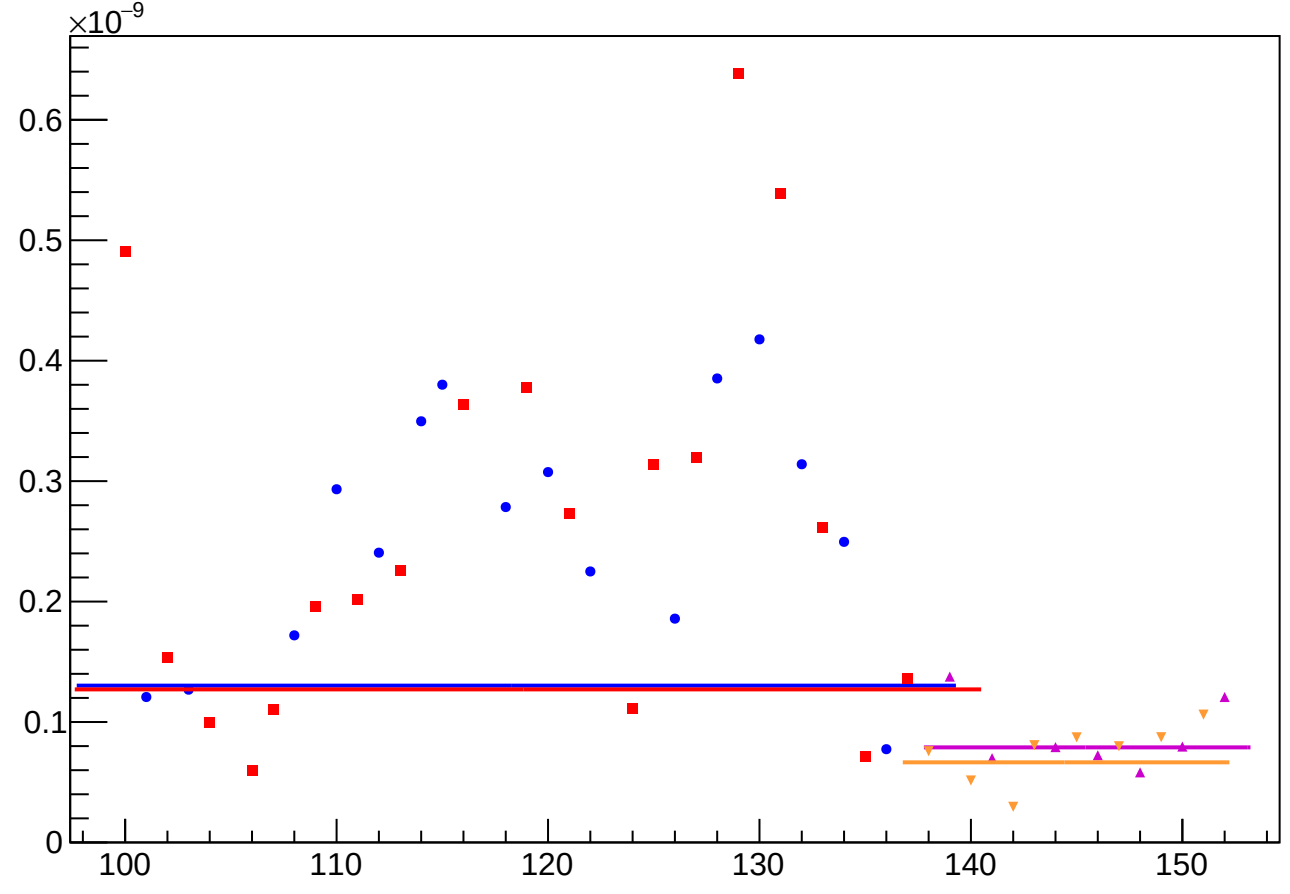
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/23

All: 0.000+/-0.000 χ^2/NDF: 60.4/49

- sign 0.000+/-0.000 χ^2/NDF: 37.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:512393.7/7

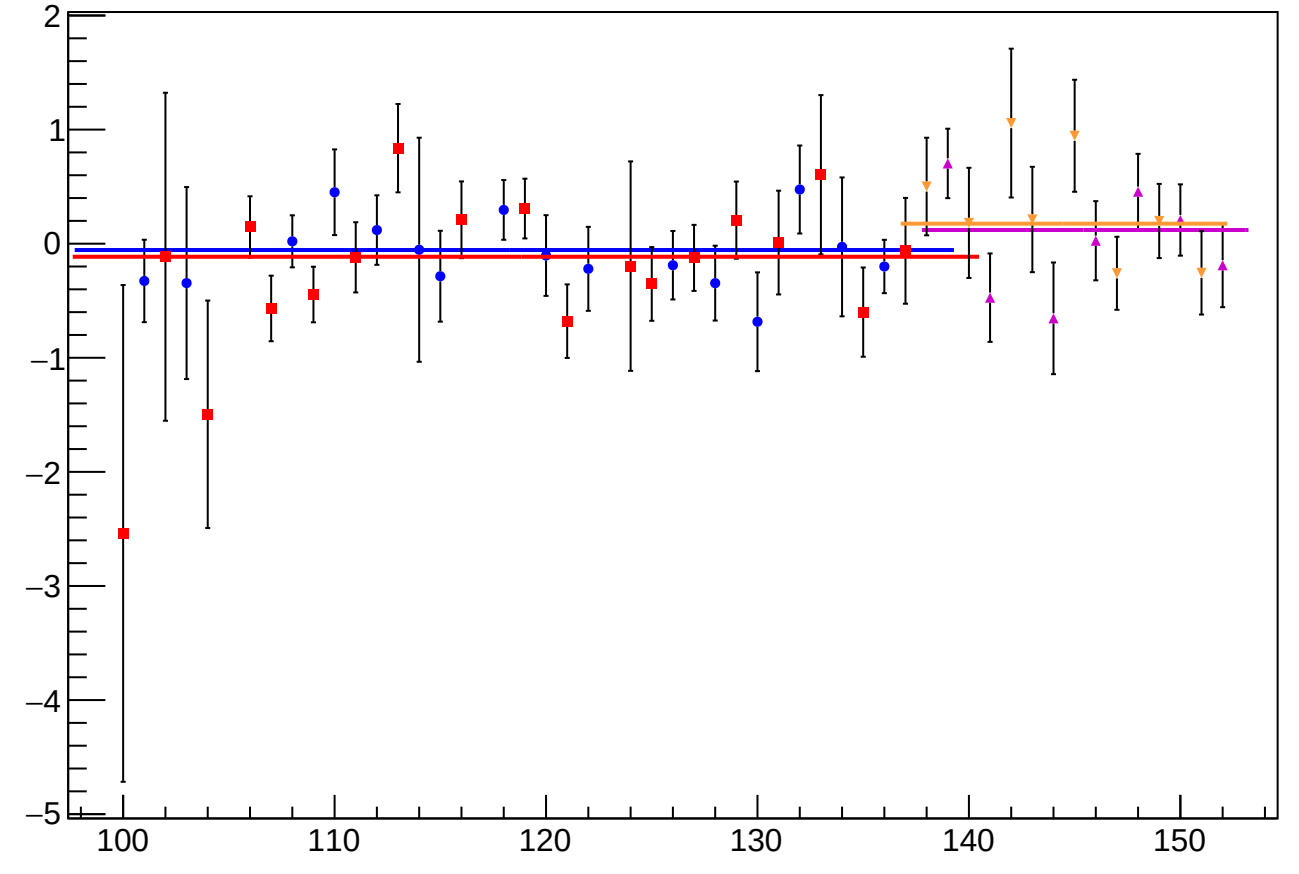
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:327472.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 2685836.1/23

All: 0.000+/-0.000 χ^2/NDF: 5237205.8/49

- sign 0.000+/-0.000 χ^2/NDF: 2486420.7/25



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.176+/-0.145 χ^2/NDF:8.1/7

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

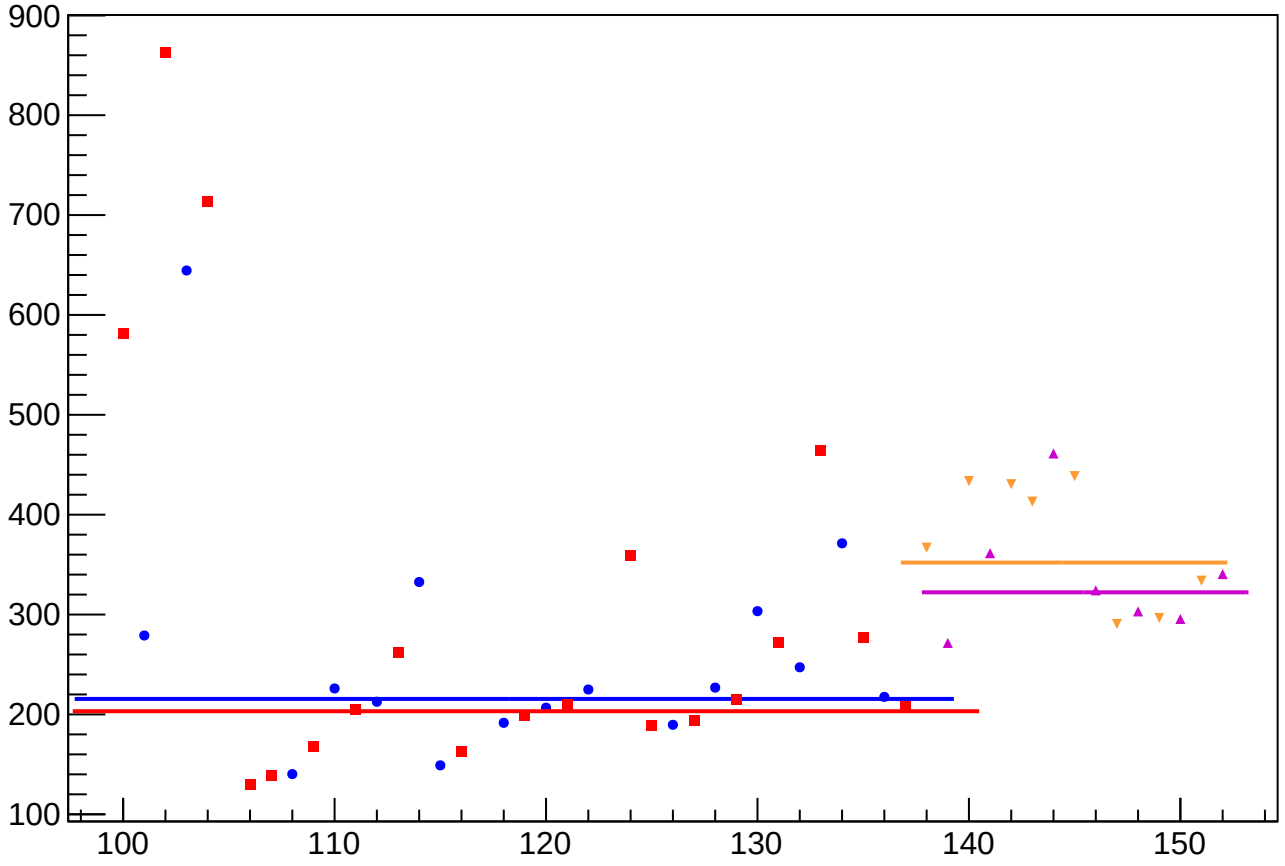
Left In: 0.120+/-0.133 χ^2/NDF:10.4/6

+ sign 0.004+/-0.074 χ^2/NDF: 20.7/23

All: -0.023+/-0.051 χ^2/NDF: 58.8/49

- sign -0.048+/-0.071 χ^2/NDF: 37.9/25

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: 352.059+/-0.102 χ^2/NDF:322438.5/7

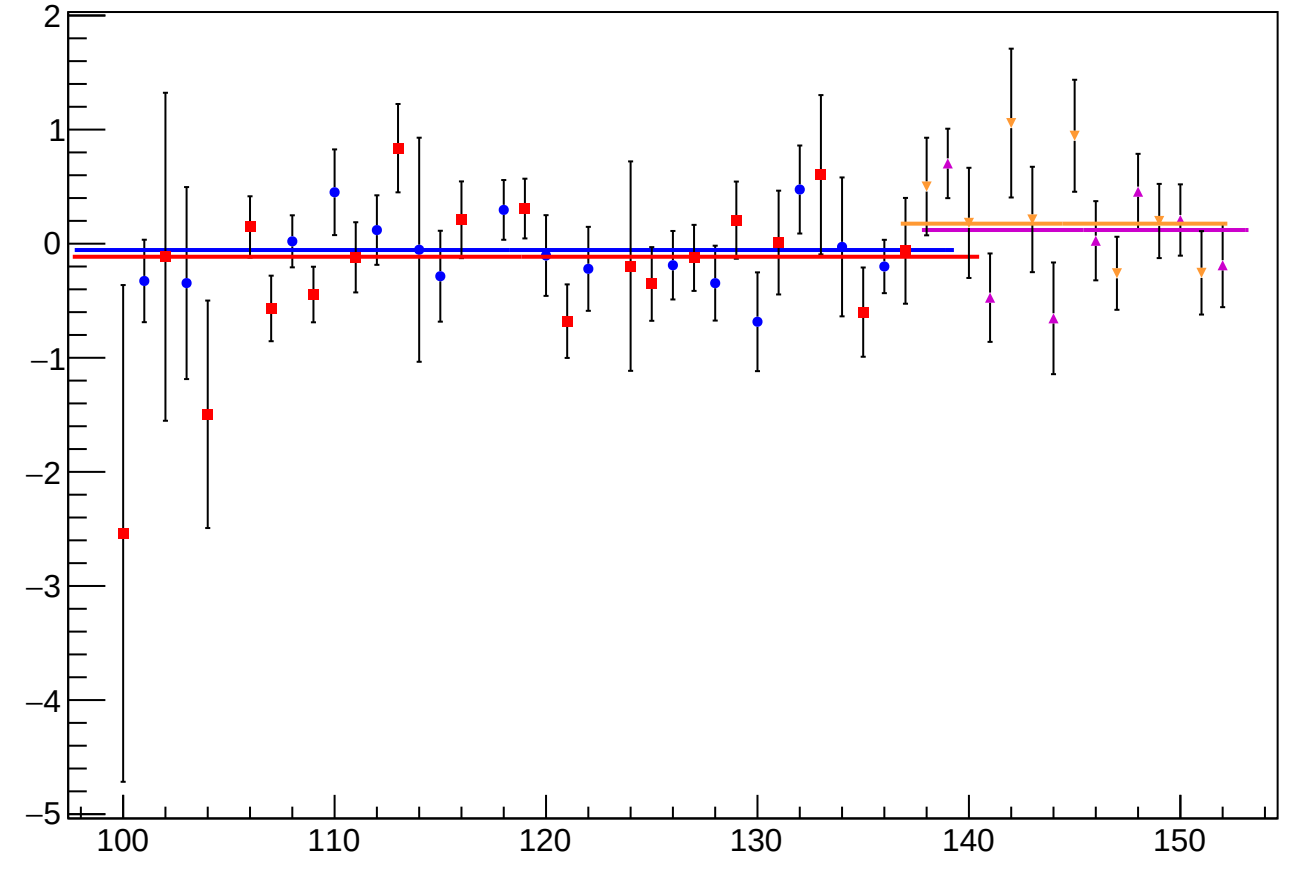
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 322.268+/-0.094 χ^2/NDF:263485.3/6

+ sign 250.776+/-0.052 χ^2/NDF: 2789136.6/23

All: 243.466+/-0.036 χ^2/NDF: 6079668.1/49

- sign 236.758+/-0.050 χ^2/NDF: 3252714.6/25



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.176+/-0.145 χ^2/NDF:8.1/7

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

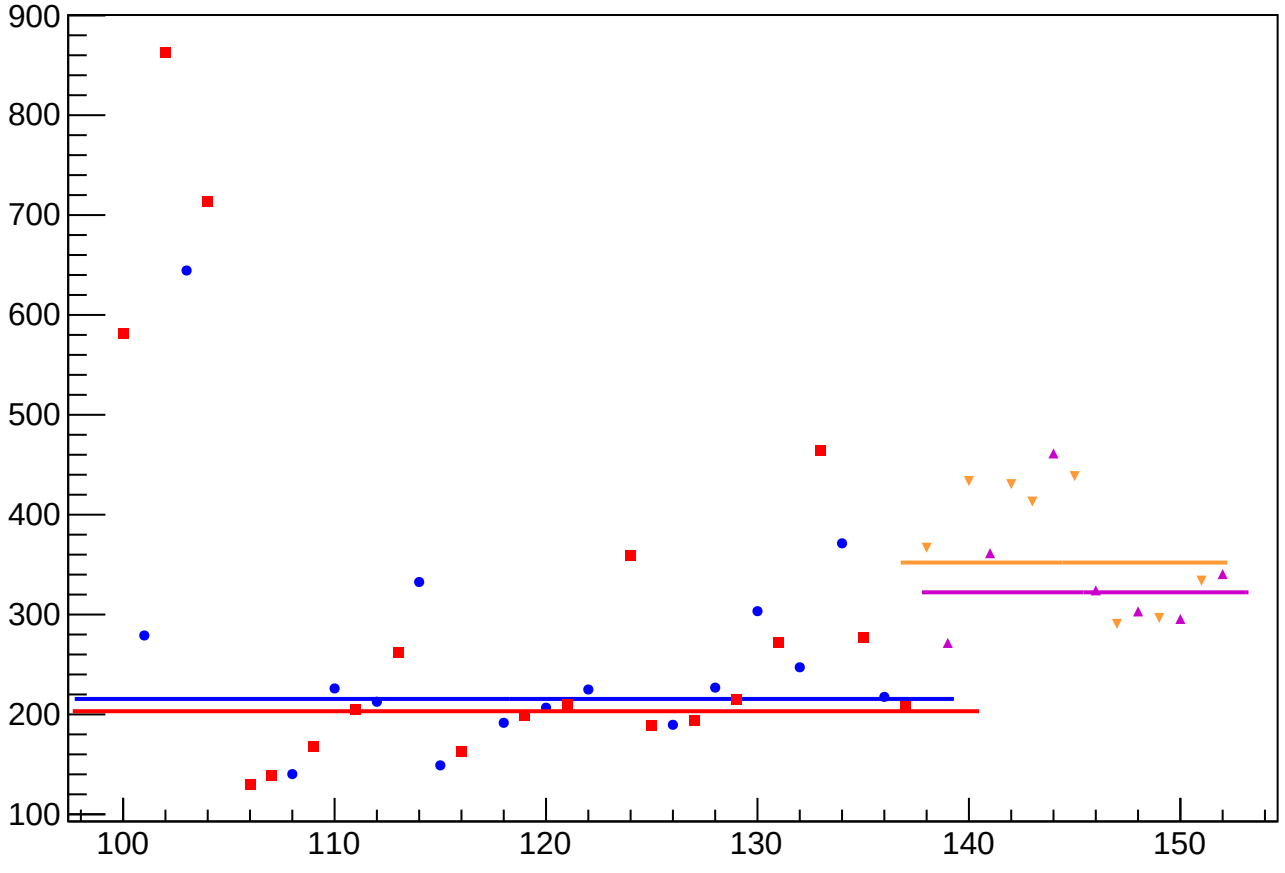
Left In: 0.120+/-0.133 χ^2/NDF:10.4/6

+ sign 0.004+/-0.074 χ^2/NDF: 20.7/23

All: -0.023+/-0.051 χ^2/NDF: 58.8/49

- sign -0.048+/-0.071 χ^2/NDF: 37.9/25

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 352.059+/-0.102 χ^2/NDF:322438.5/7

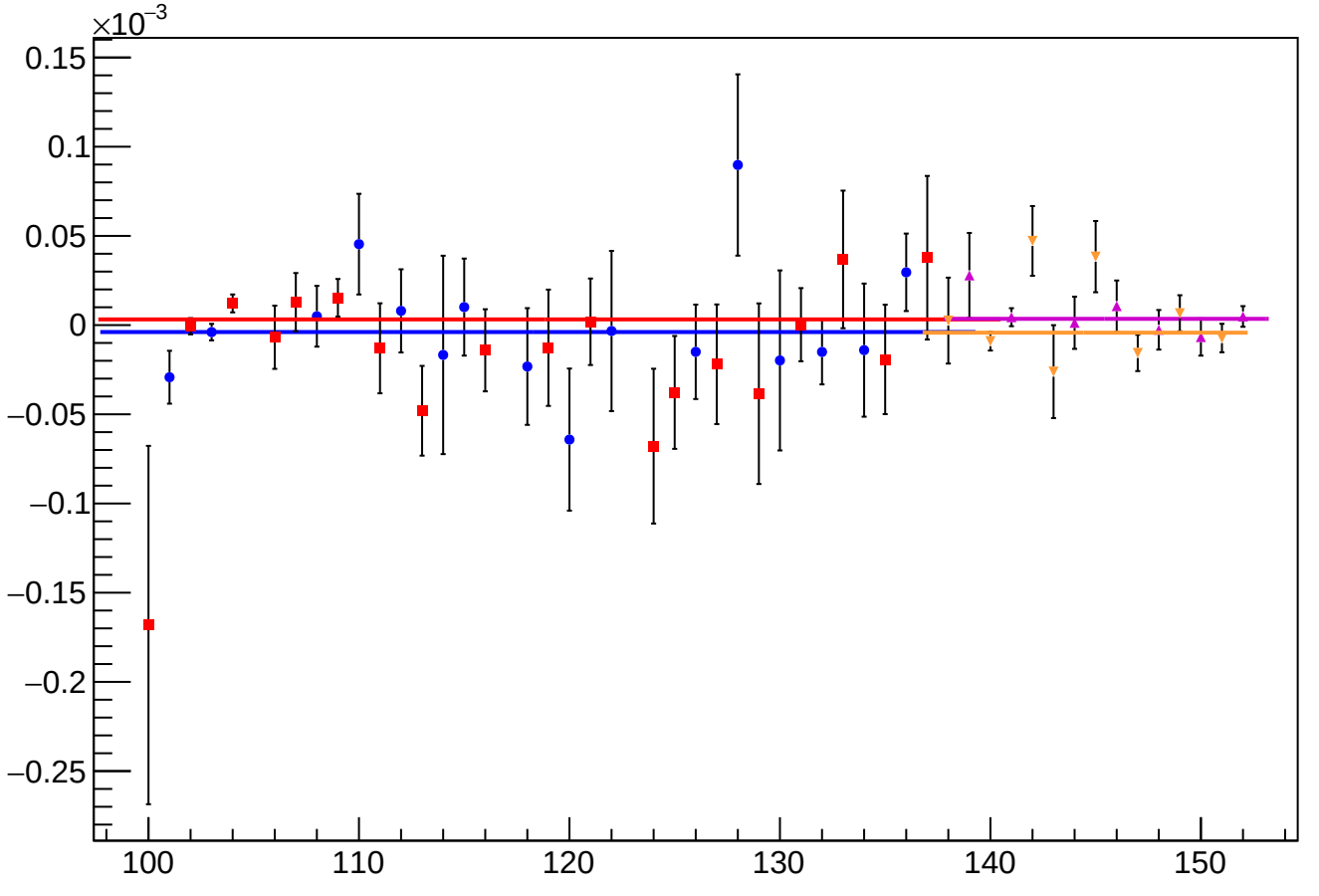
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 322.268+/-0.094 χ^2/NDF:263485.3/6

+ sign 250.776+/-0.052 χ^2/NDF: 2789136.6/23

All: 243.466+/-0.036 χ^2/NDF: 6079668.1/49

- sign 236.758+/-0.050 χ^2/NDF: 3252714.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/7

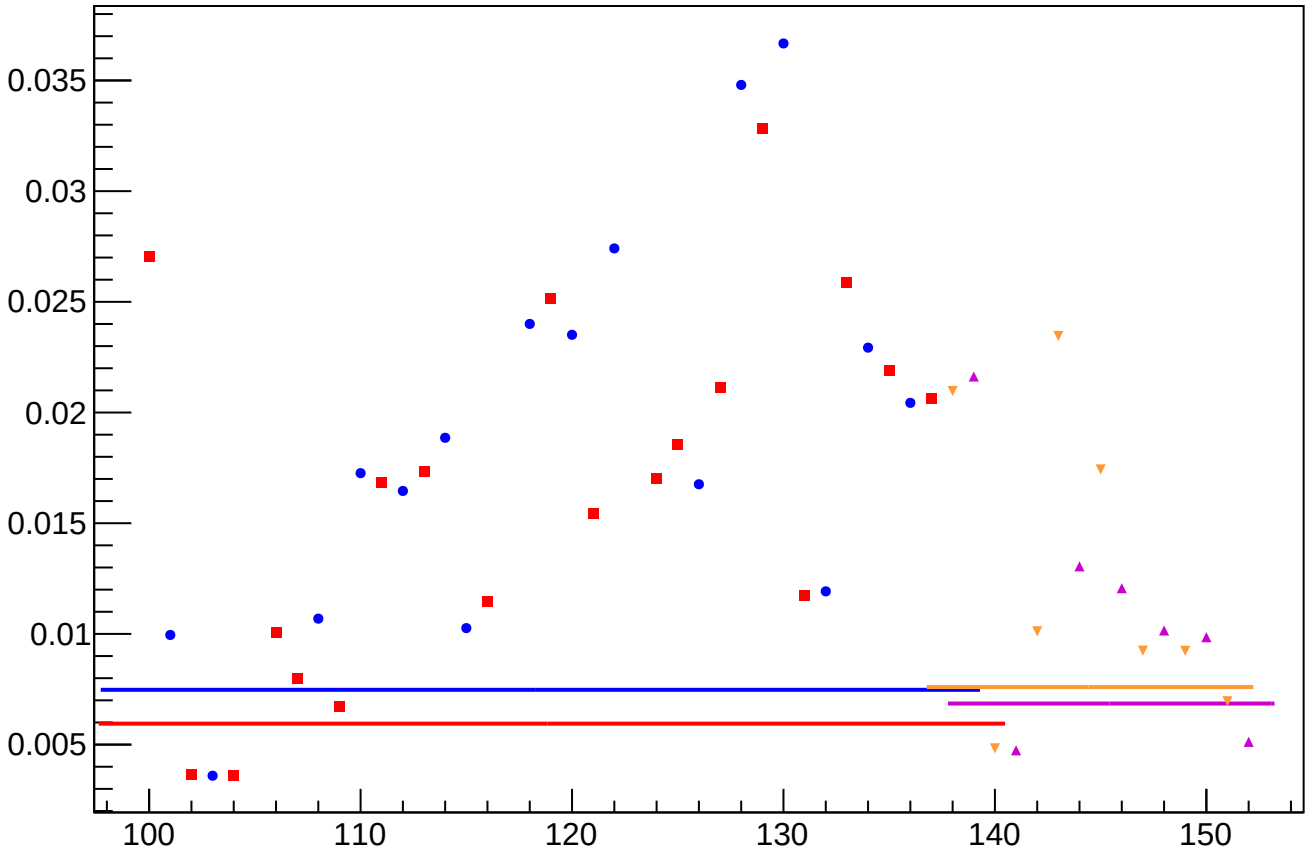
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/23

All: 0.000+/-0.000 χ^2/NDF: 60.8/49

- sign 0.000+/-0.000 χ^2/NDF: 24.3/25



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2545289.6/7

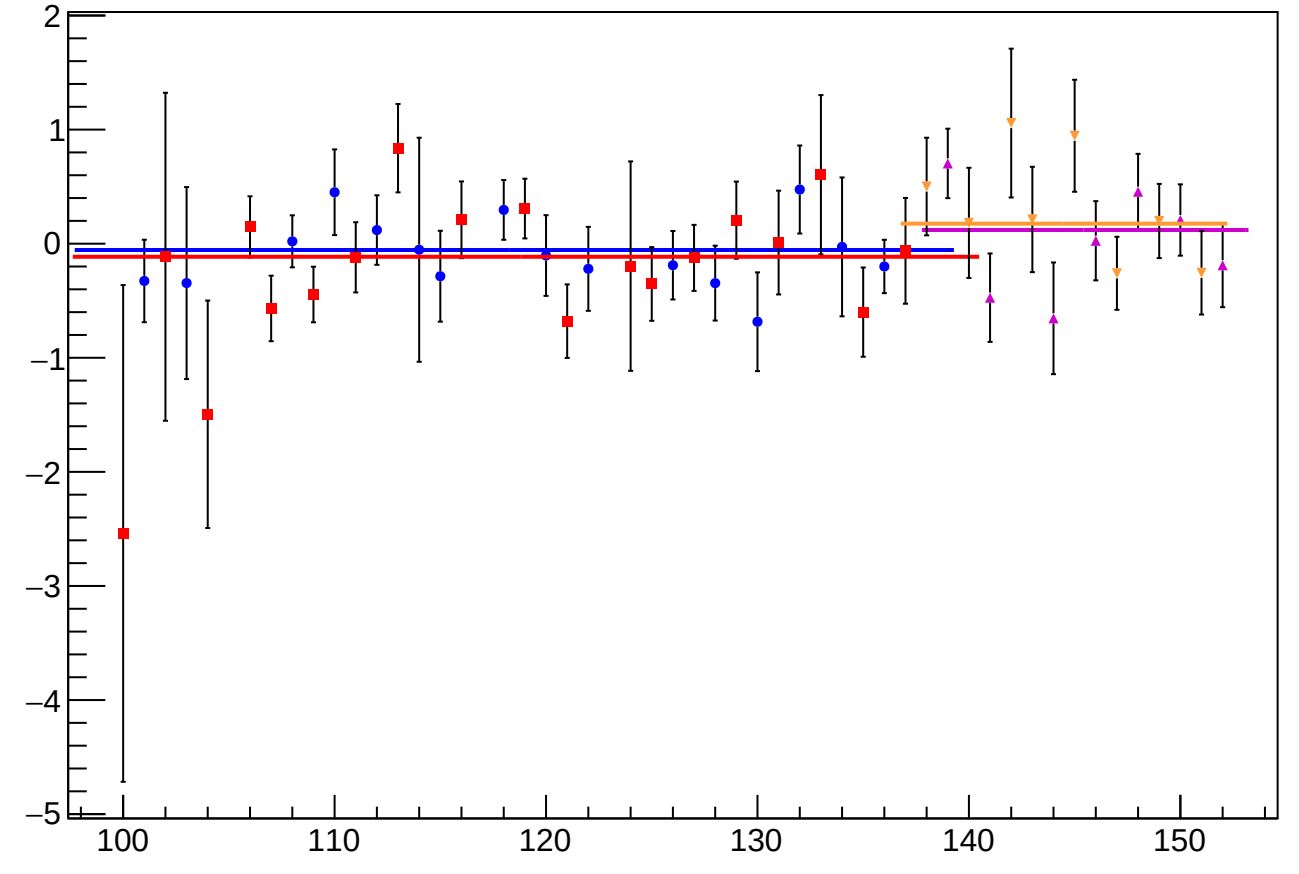
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:2264543.2/6

+ sign 0.008+/-0.000 χ^2/NDF: 8622620.7/23

All: 0.007+/-0.000 χ^2/NDF: 17157934.2/49

- sign 0.006+/-0.000 χ^2/NDF: 8287268.4/25



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.176+/-0.145 χ^2/NDF:8.1/7

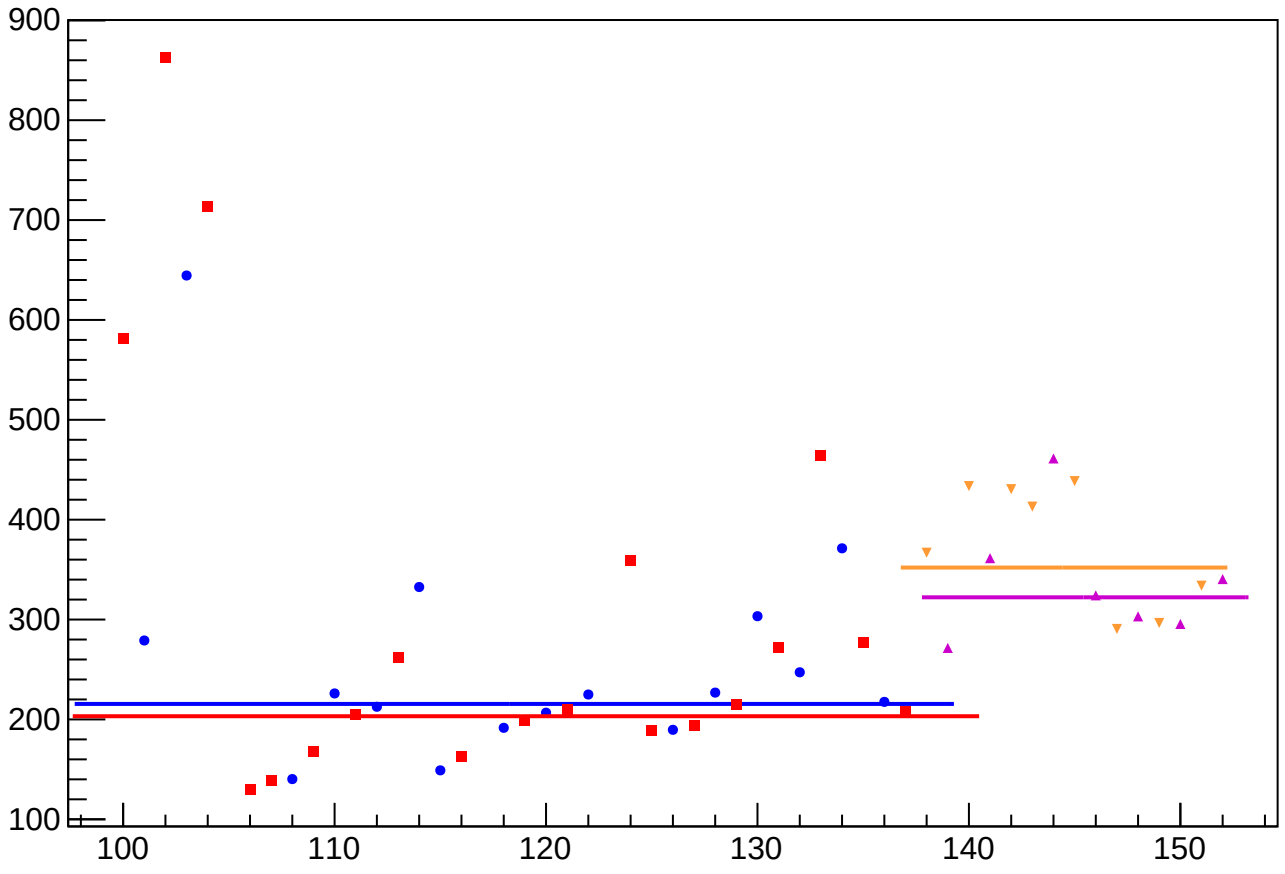
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.120+/-0.133 χ^2/NDF:10.4/6

+ sign 0.004+/-0.074 χ^2/NDF: 20.7/23

All: -0.023+/-0.051 χ^2/NDF: 58.8/49

- sign -0.048+/-0.071 χ^2/NDF: 37.9/25



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 352.064+/-0.102 χ^2/NDF:322428.8/7

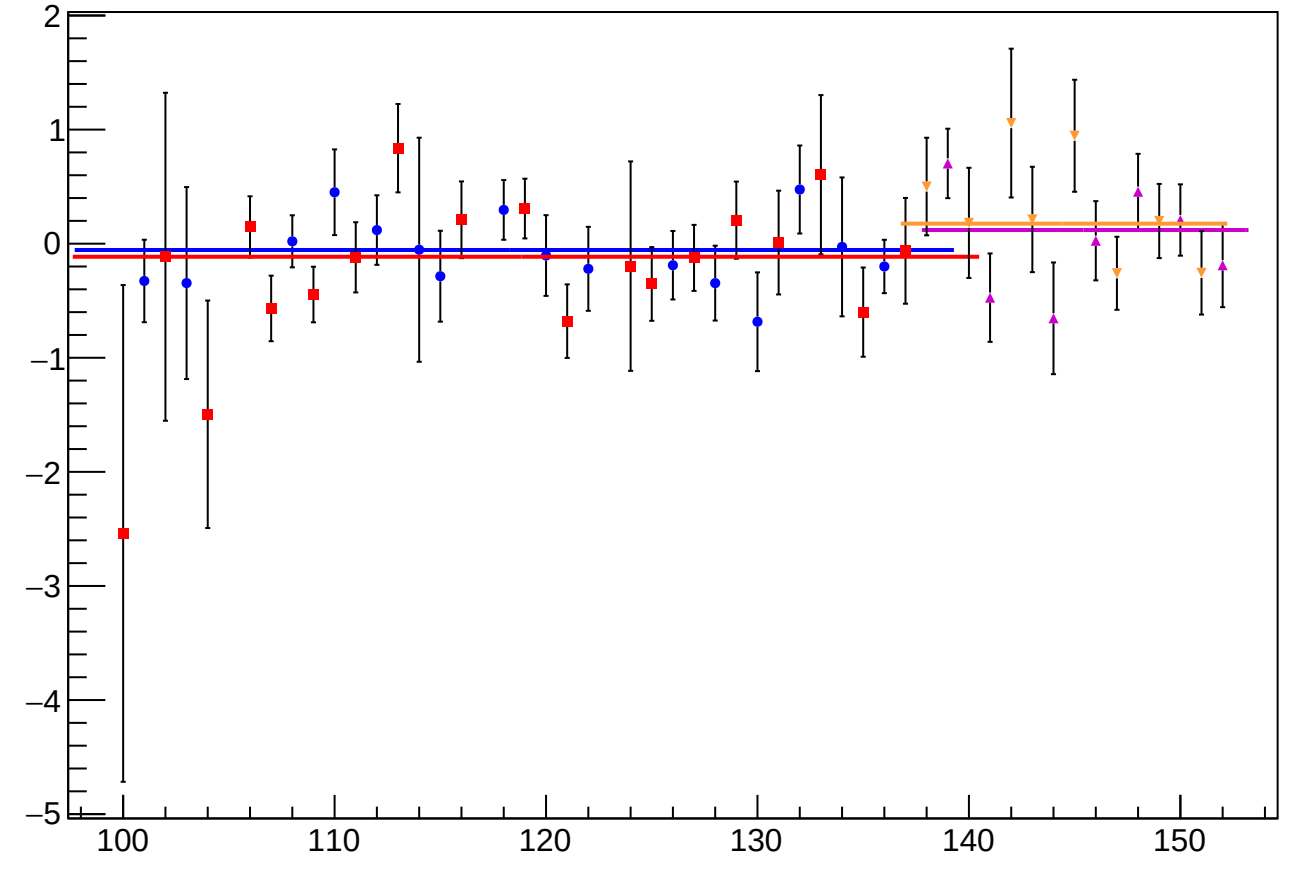
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 322.272+/-0.094 χ^2/NDF:263471.0/6

+ sign 250.775+/-0.052 χ^2/NDF: 2789195.1/23

All: 243.466+/-0.036 χ^2/NDF: 6079795.7/49

- sign 236.757+/-0.050 χ^2/NDF: 3252782.9/25



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.176+/-0.145 χ^2/NDF:8.1/7

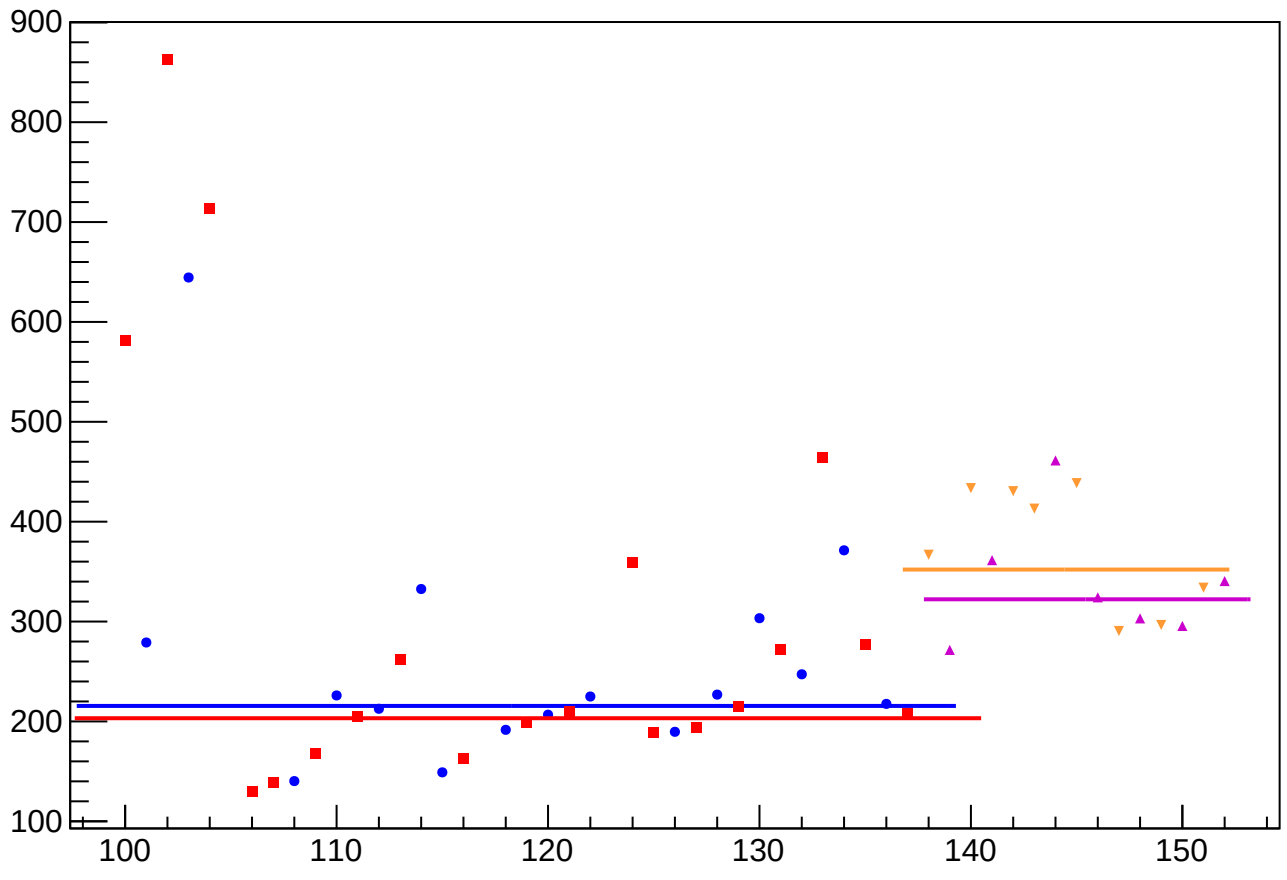
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.120+/-0.133 χ^2/NDF:10.4/6

+ sign 0.004+/-0.074 χ^2/NDF: 20.7/23

All: -0.023+/-0.051 χ^2/NDF: 58.8/49

- sign -0.048+/-0.071 χ^2/NDF: 37.9/25



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 352.064+/-0.102 χ^2/NDF:322428.8/7

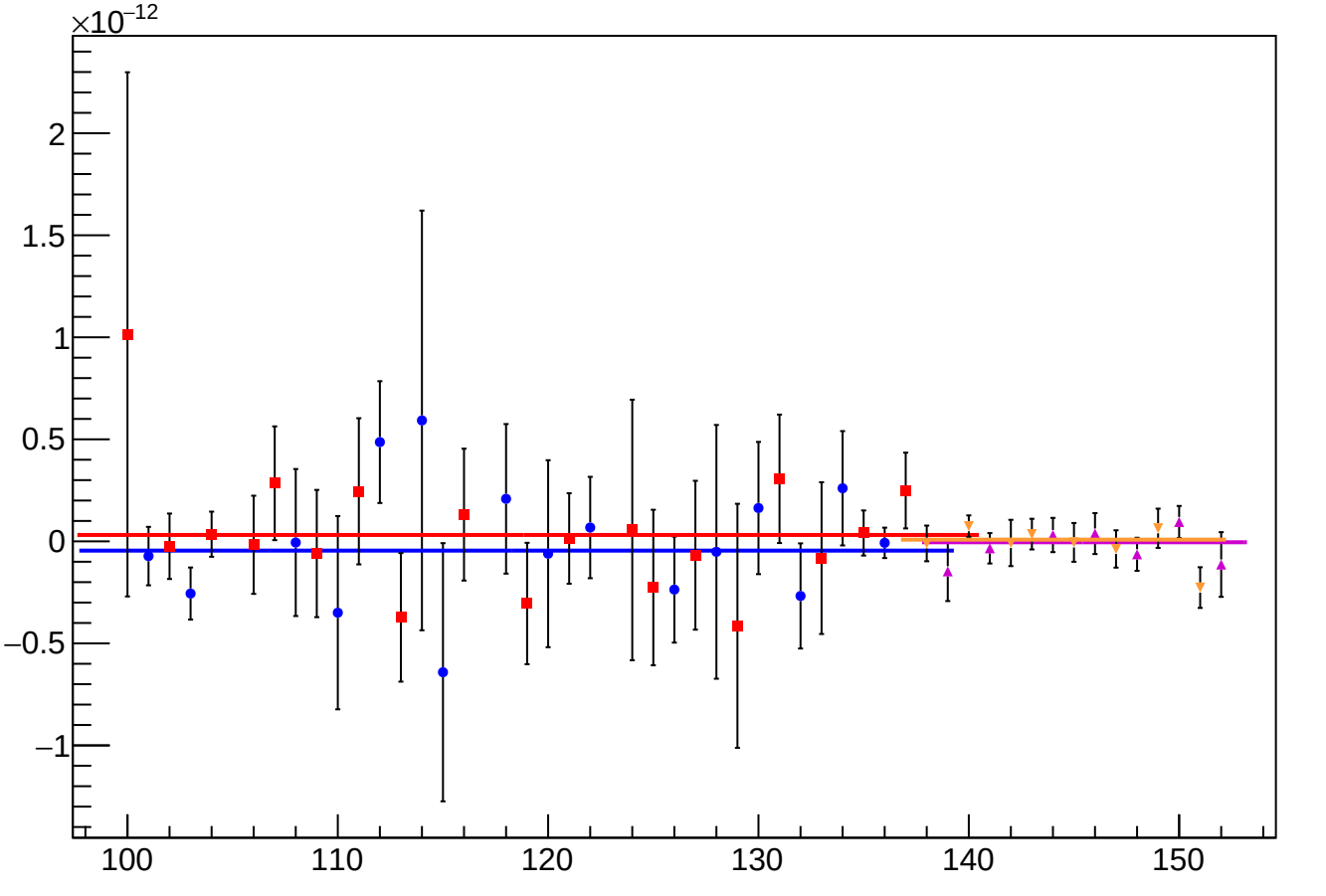
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 322.272+/-0.094 χ^2/NDF:263471.0/6

+ sign 250.775+/-0.052 χ^2/NDF: 2789195.1/23

All: 243.466+/-0.036 χ^2/NDF: 6079795.7/49

- sign 236.757+/-0.050 χ^2/NDF: 3252782.9/25



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/7

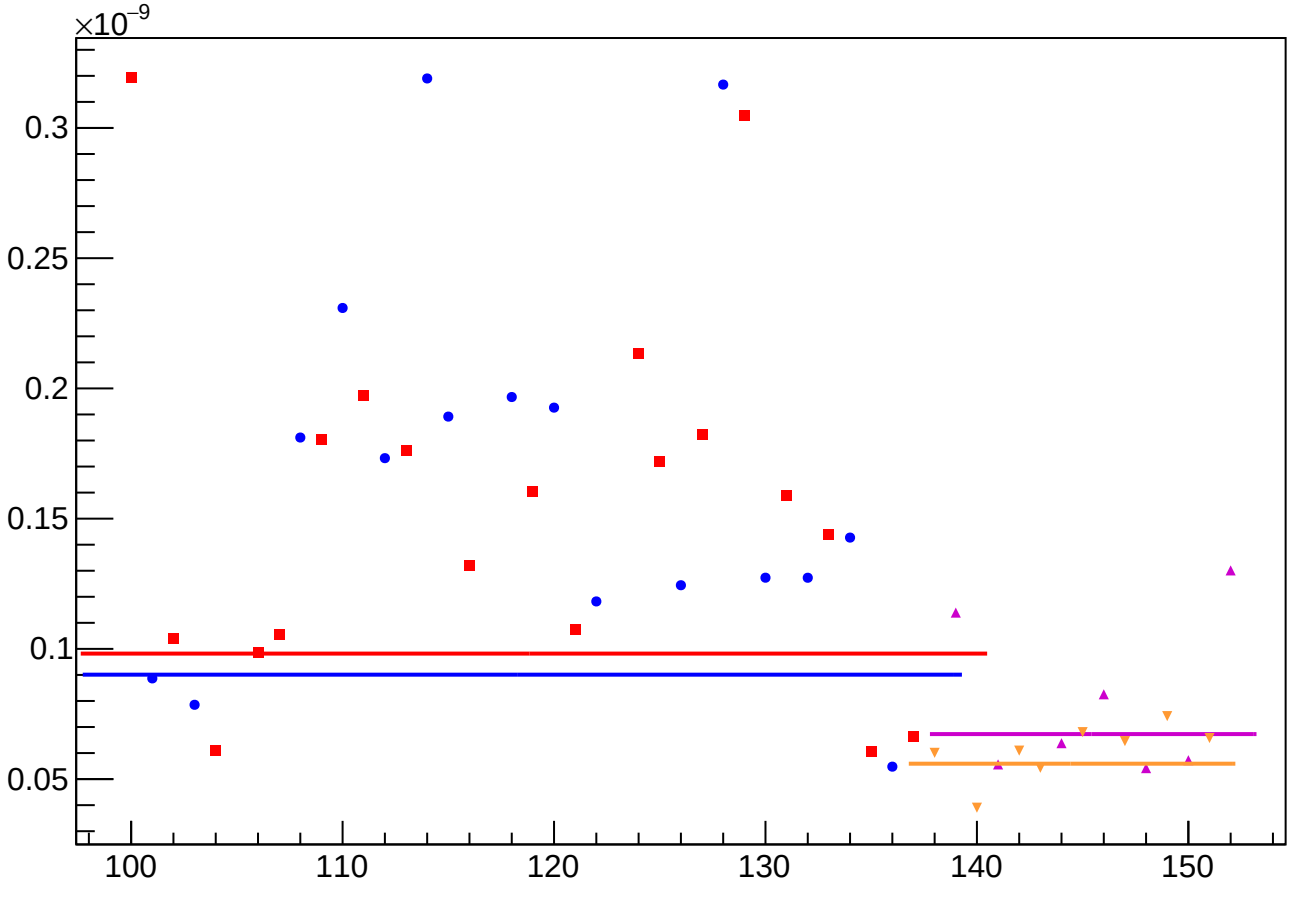
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 20.2/23

All: -0.000+/-0.000 χ^2/NDF: 33.1/49

- sign 0.000+/-0.000 χ^2/NDF: 12.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:354152.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

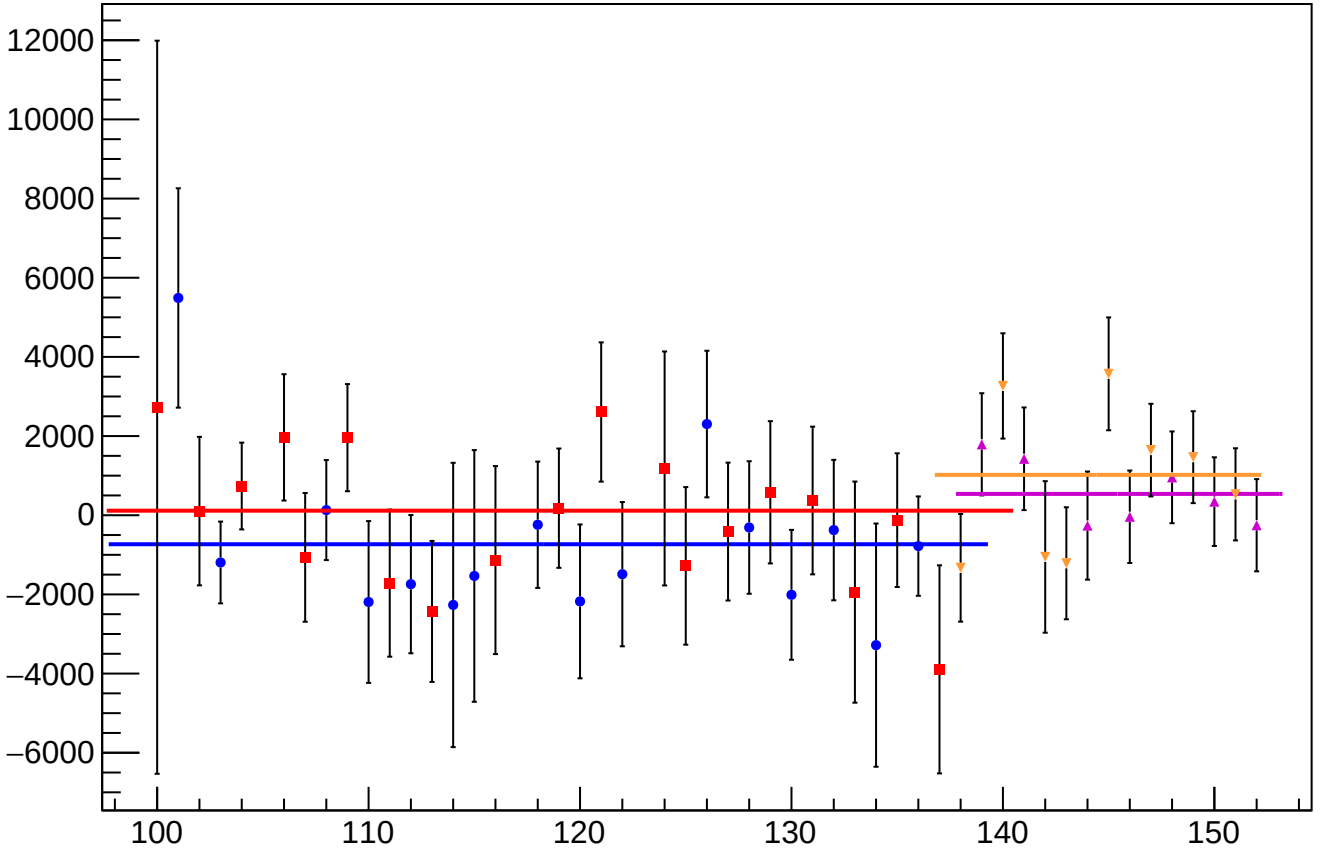
Left In: 0.000+/-0.000 χ^2/NDF:702789.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 2860666.5/23

All: 0.000+/-0.000 χ^2/NDF: 5948947.1/49

- sign 0.000+/-0.000 χ^2/NDF: 2883783.1/25

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1019.727+/-467.185 χ^2/NDF:13.3/7

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

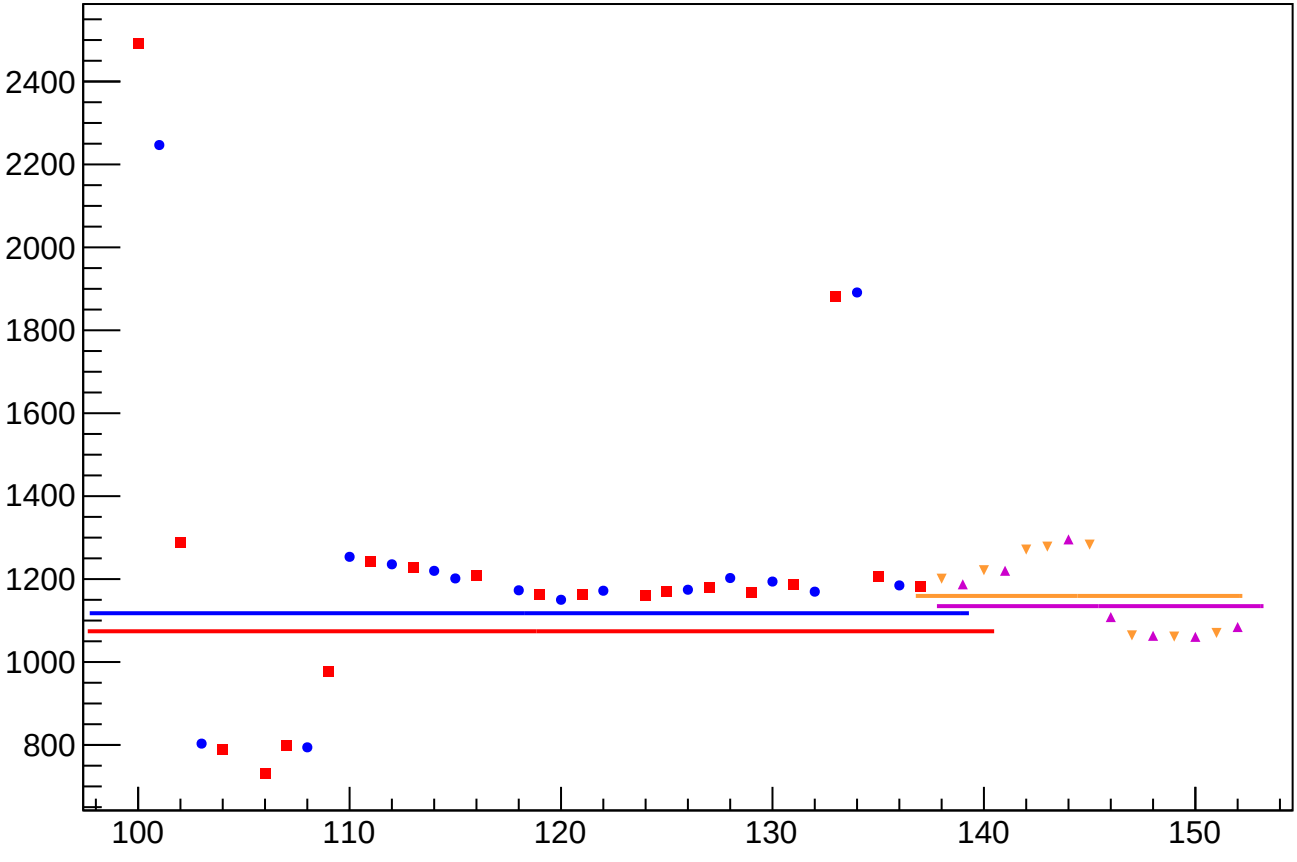
Left In: 538.987+/-459.160 χ^2/NDF:2.6/6

+ sign 65.674+/-315.340 χ^2/NDF: 32.7/23

All: 188.176+/-219.757 χ^2/NDF: 49.2/49

- sign 303.844+/-306.418 χ^2/NDF: 16.2/25

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1159.396+/-0.330 χ^2/NDF:81481.4/7

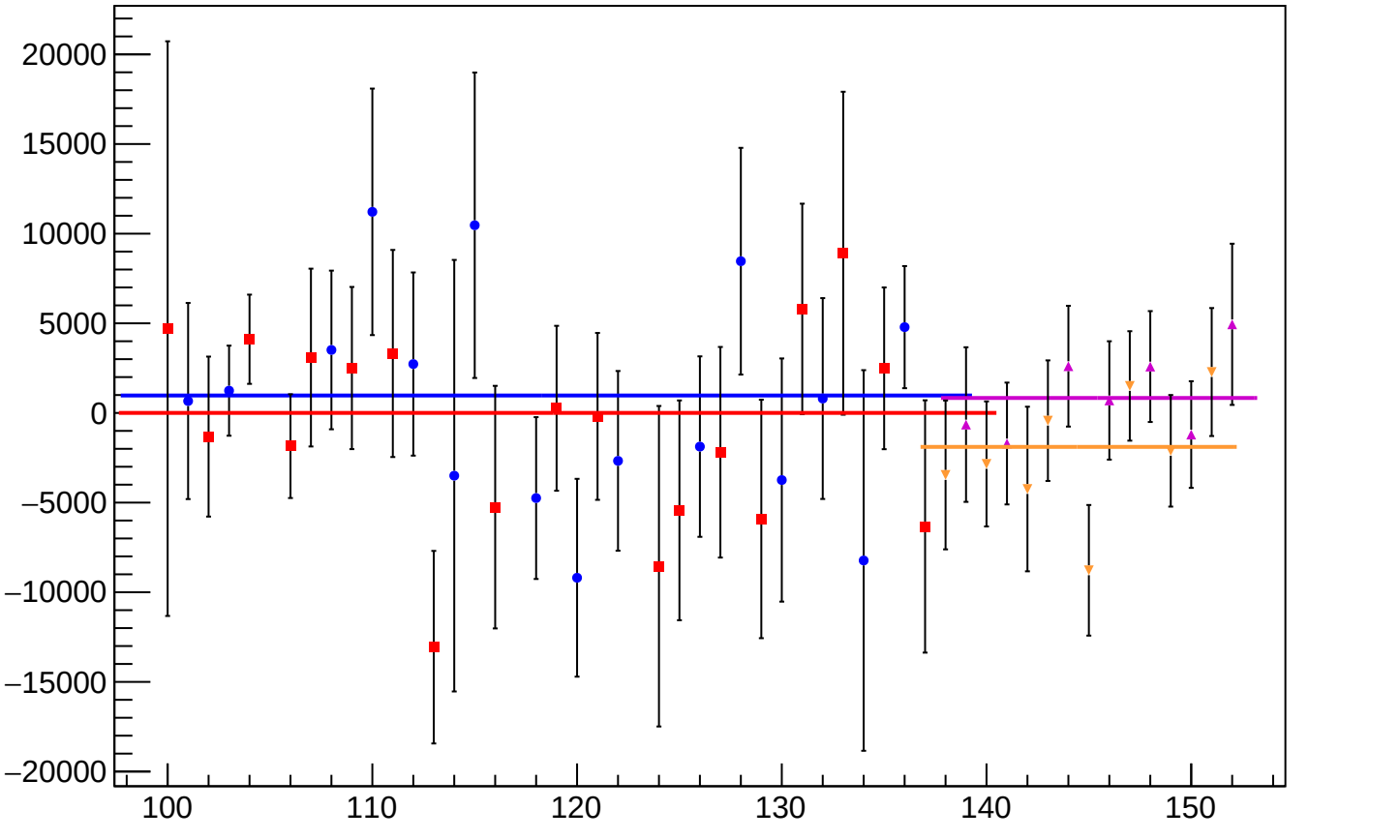
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1134.776+/-0.325 χ^2/NDF:60888.0/6

+ sign 1136.687+/-0.223 χ^2/NDF: 909996.1/23

All: 1118.197+/-0.155 χ^2/NDF: 1653185.0/49

- sign 1100.900+/-0.216 χ^2/NDF: 729879.9/25



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -1892.582+/-1249.369 χ^2/NDF:6.9/7

Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

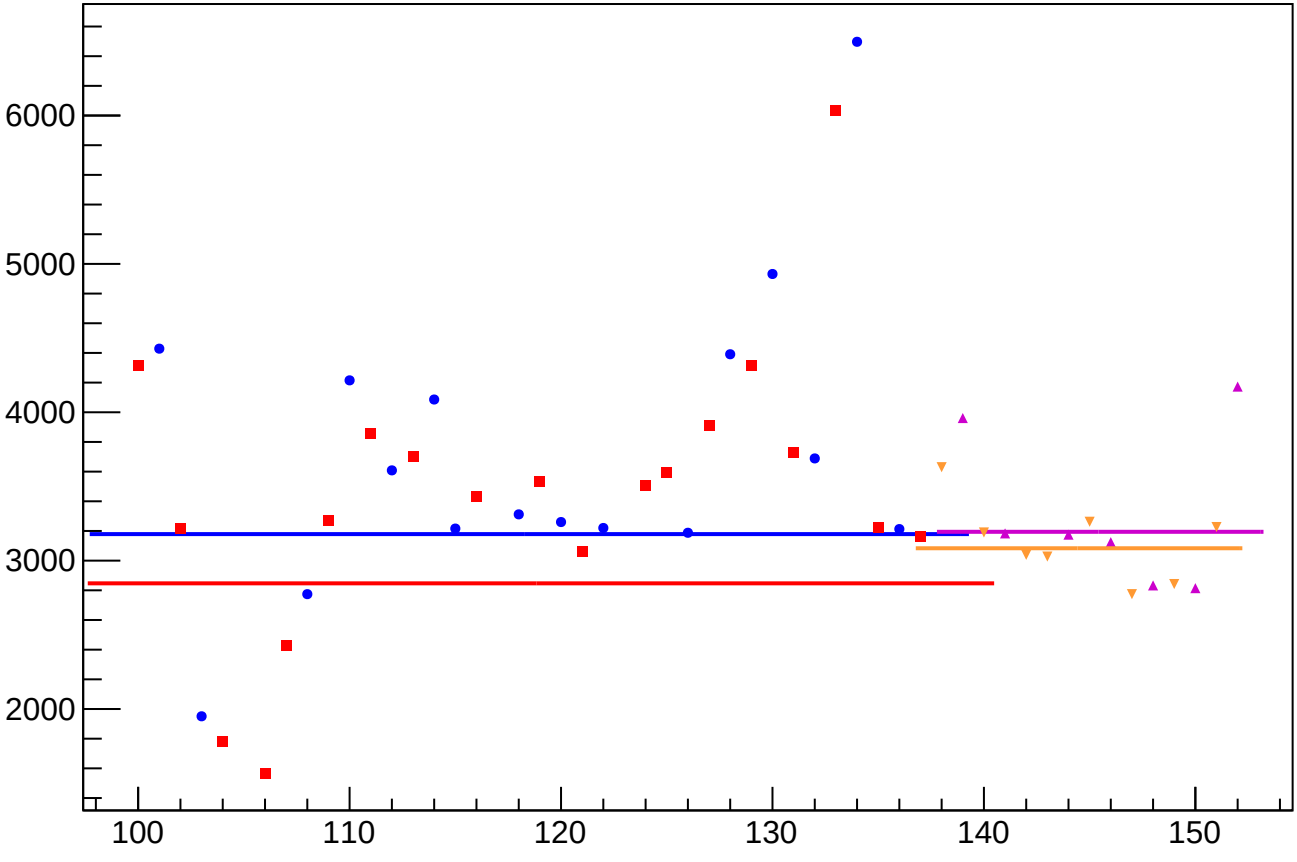
Left In: 835.278+/-1304.816 χ^2/NDF:2.6/6

+ sign -440.227+/-877.504 χ^2/NDF: 23.3/23

All: -29.265+/-609.486 χ^2/NDF: 43.1/49

- sign 353.784+/-847.181 χ^2/NDF: 19.4/25

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3083.454+/-0.883 χ^2/NDF:77827.7/7

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

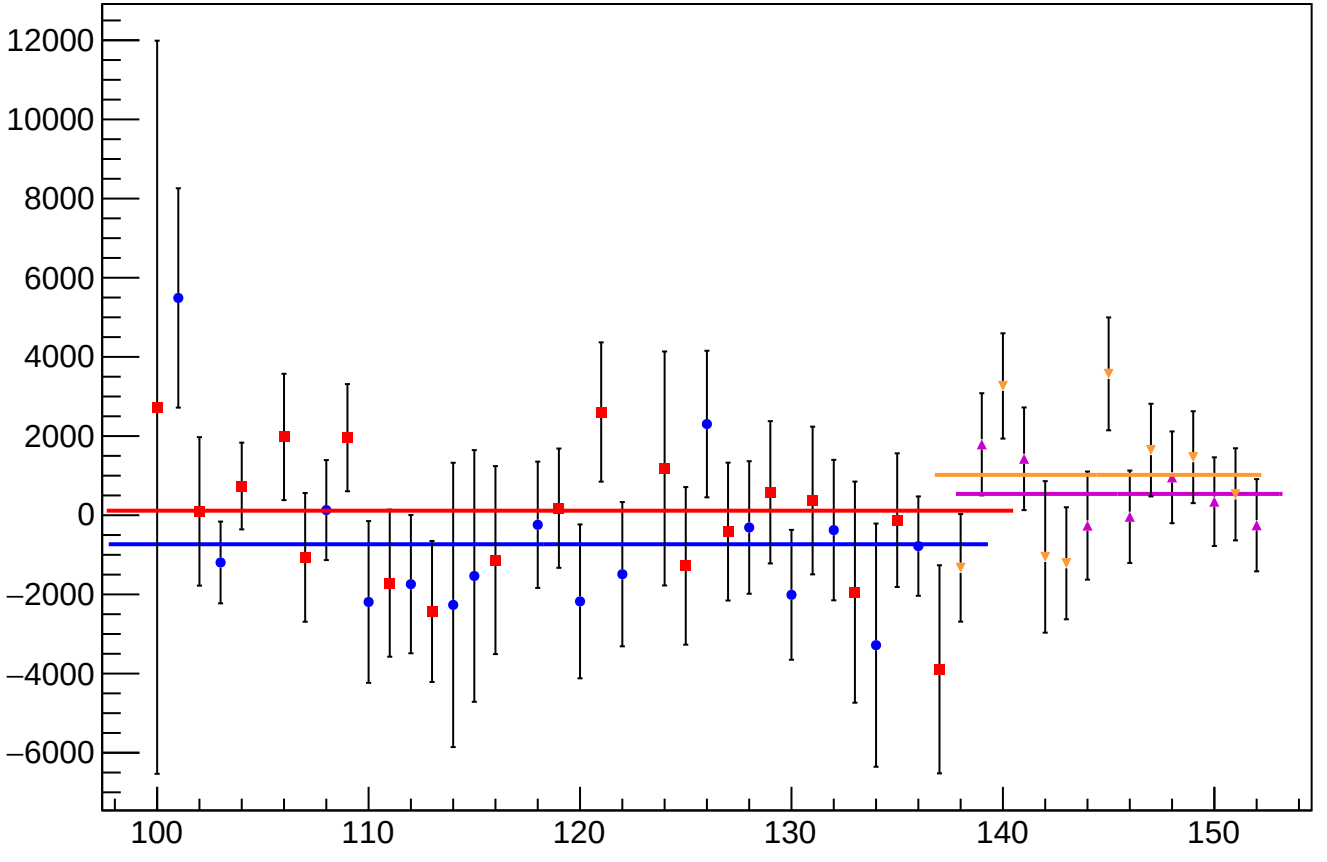
Left In: 3194.342+/-0.923 χ^2/NDF:218934.6/6

+ sign 3131.801+/-0.620 χ^2/NDF: 1175415.2/23

All: 3060.185+/-0.431 χ^2/NDF: 3013221.4/49

- sign 2993.433+/-0.599 χ^2/NDF: 1812068.0/25

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1019.777+/-467.185 χ^2/NDF:13.3/7

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

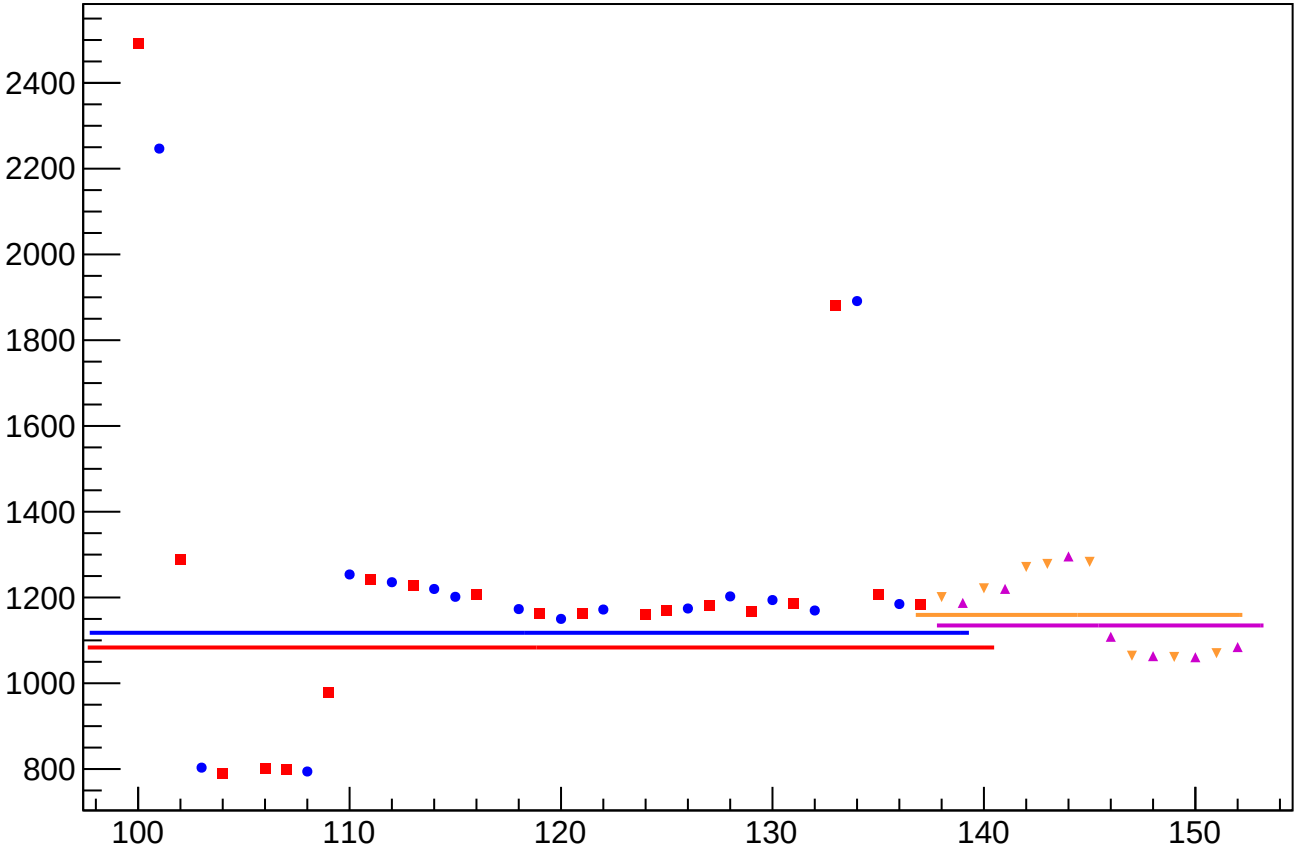
Left In: 538.984+/-459.160 χ^2/NDF:2.6/6

+ sign 65.733+/-315.340 χ^2/NDF: 32.7/23

All: 188.281+/-219.757 χ^2/NDF: 49.2/49

- sign 303.993+/-306.420 χ^2/NDF: 16.2/25

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1159.396+/-0.330 χ^2/NDF:81481.4/7

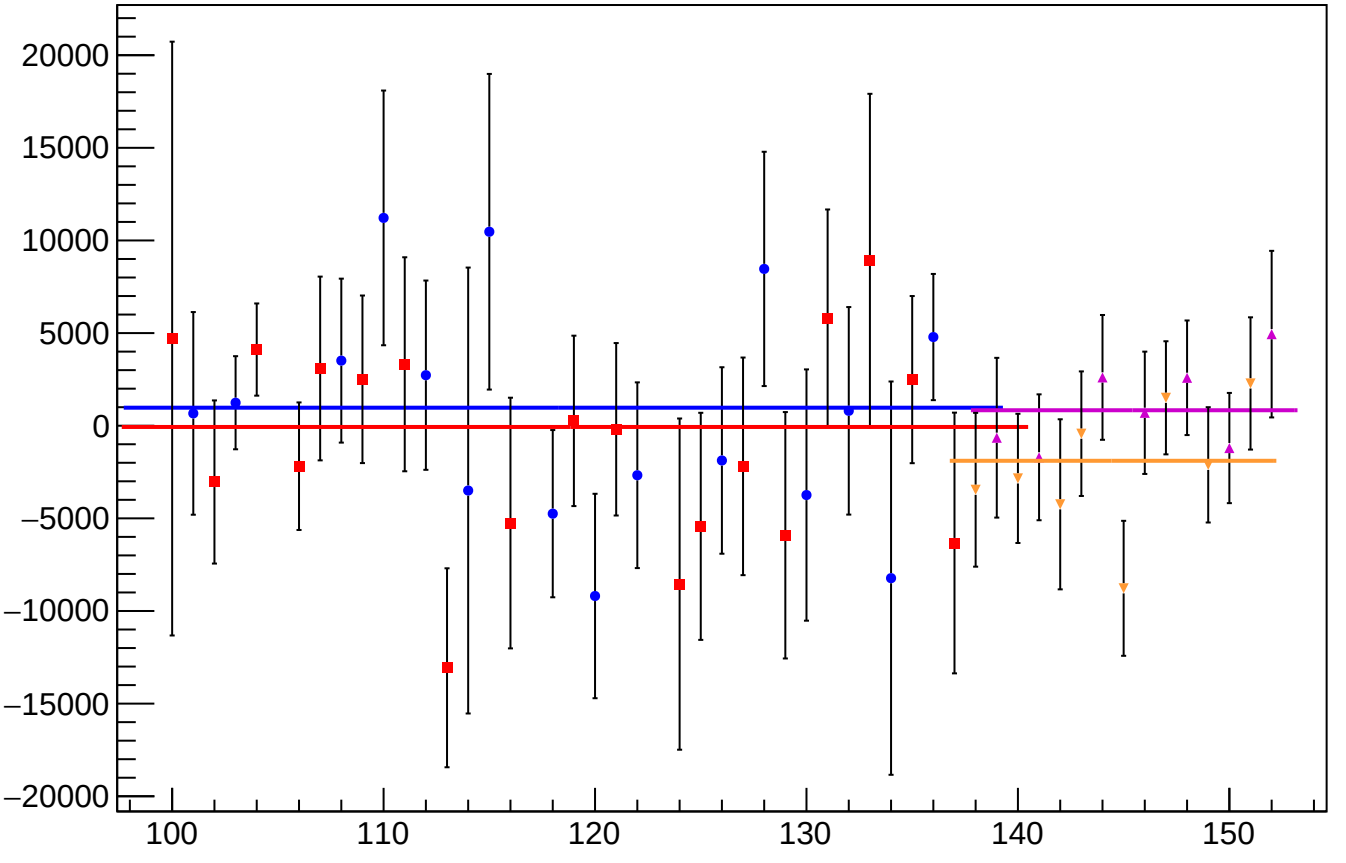
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1134.776+/-0.325 χ^2/NDF:60888.0/6

+ sign 1136.688+/-0.223 χ^2/NDF: 909992.4/23

All: 1121.012+/-0.155 χ^2/NDF: 1589395.7/49

- sign 1106.243+/-0.216 χ^2/NDF: 669804.9/25



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1892.577+/-1249.367 χ^2/NDF:6.9/7

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

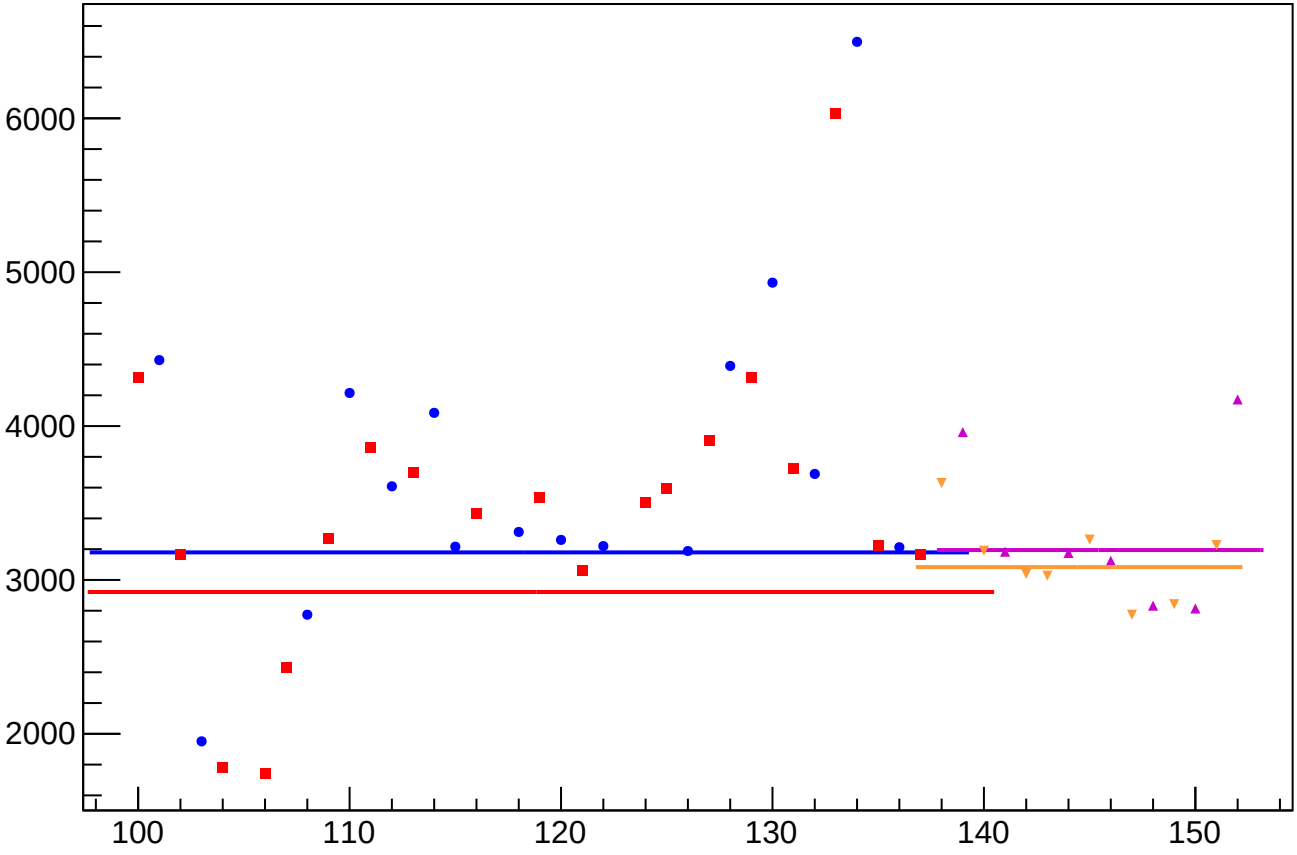
Left In: 835.280+/-1304.815 χ^2/NDF:2.6/6

+ sign -440.537+/-877.521 χ^2/NDF: 23.3/23

All: -50.152+/-613.335 χ^2/NDF: 43.5/49

- sign 322.705+/-857.595 χ^2/NDF: 19.8/25

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3083.449+/-0.883 χ^2/NDF:77828.0/7

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

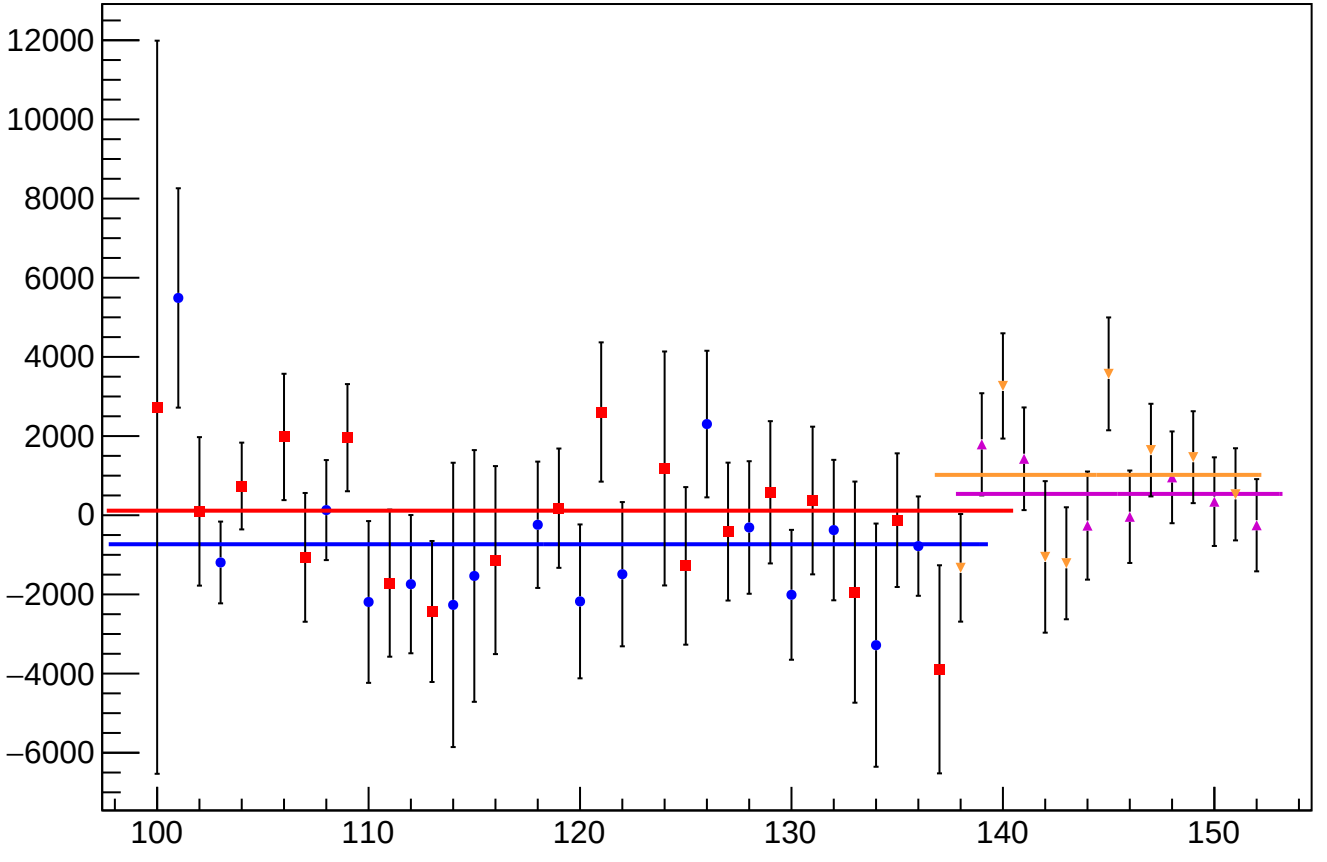
Left In: 3194.341+/-0.923 χ^2/NDF:218936.4/6

+ sign 3131.889+/-0.621 χ^2/NDF: 1174998.4/23

All: 3084.604+/-0.434 χ^2/NDF: 2767799.3/49

- sign 3039.442+/-0.606 χ^2/NDF: 1581447.3/25

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1019.777+/-467.185 χ^2/NDF:13.3/7

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

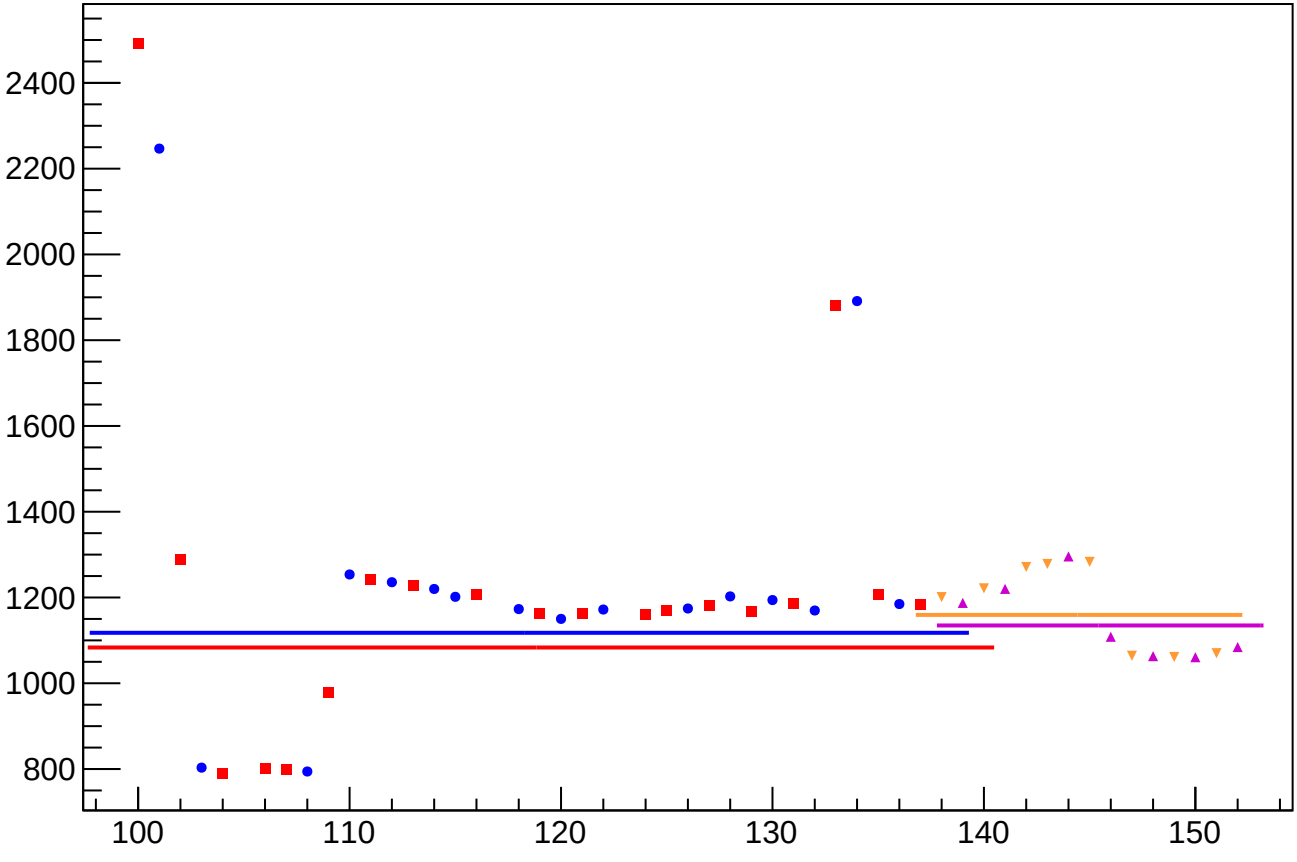
Left In: 538.984+/-459.160 χ^2/NDF:2.6/6

+ sign 65.733+/-315.340 χ^2/NDF: 32.7/23

All: 188.281+/-219.757 χ^2/NDF: 49.2/49

- sign 303.993+/-306.420 χ^2/NDF: 16.2/25

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1159.396+/-0.330 χ^2/NDF:81481.4/7

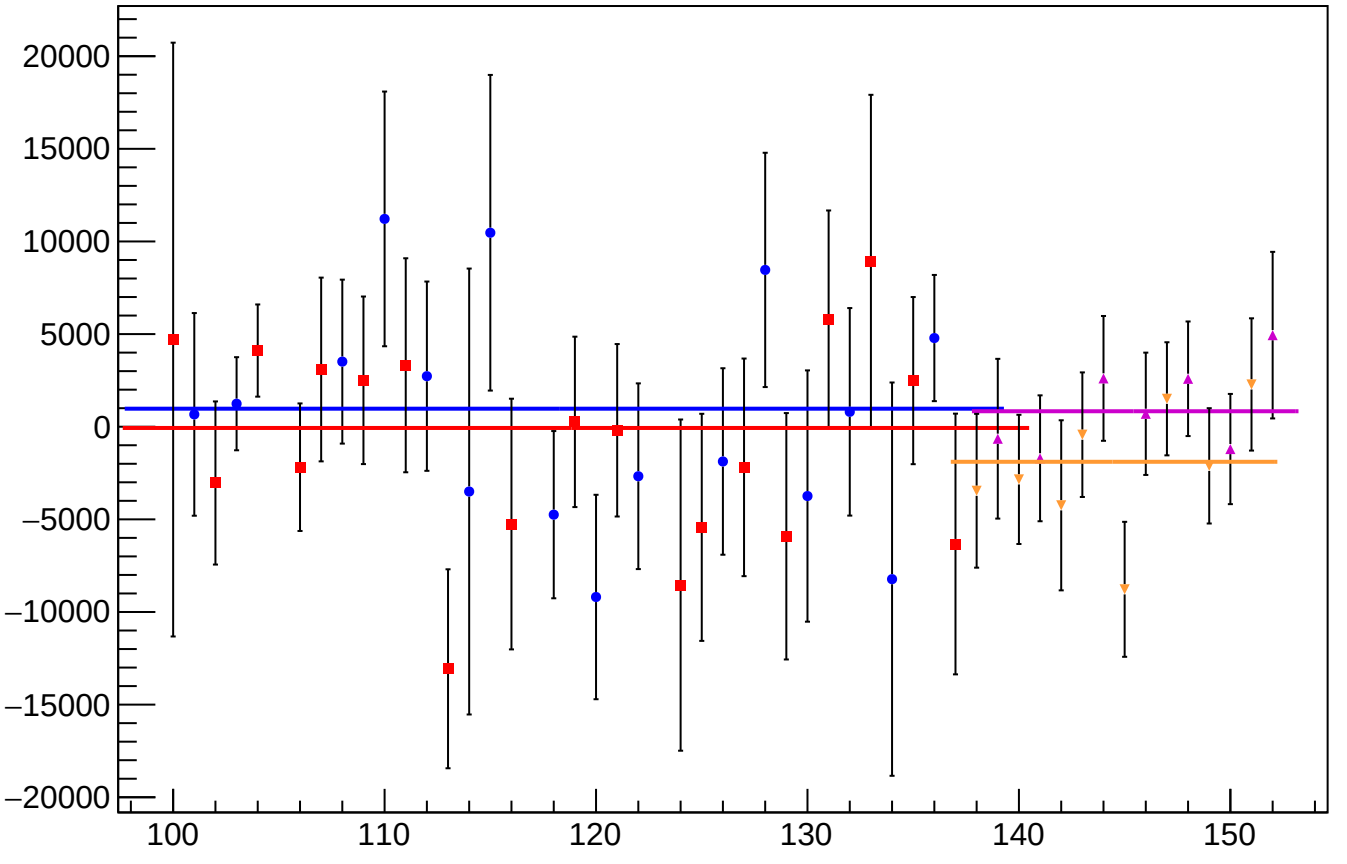
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1134.776+/-0.325 χ^2/NDF:60888.0/6

+ sign 1136.688+/-0.223 χ^2/NDF: 909992.4/23

All: 1121.012+/-0.155 χ^2/NDF: 1589395.7/49

- sign 1106.243+/-0.216 χ^2/NDF: 669804.9/25



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1892.577+/-1249.367 χ^2/NDF:6.9/7

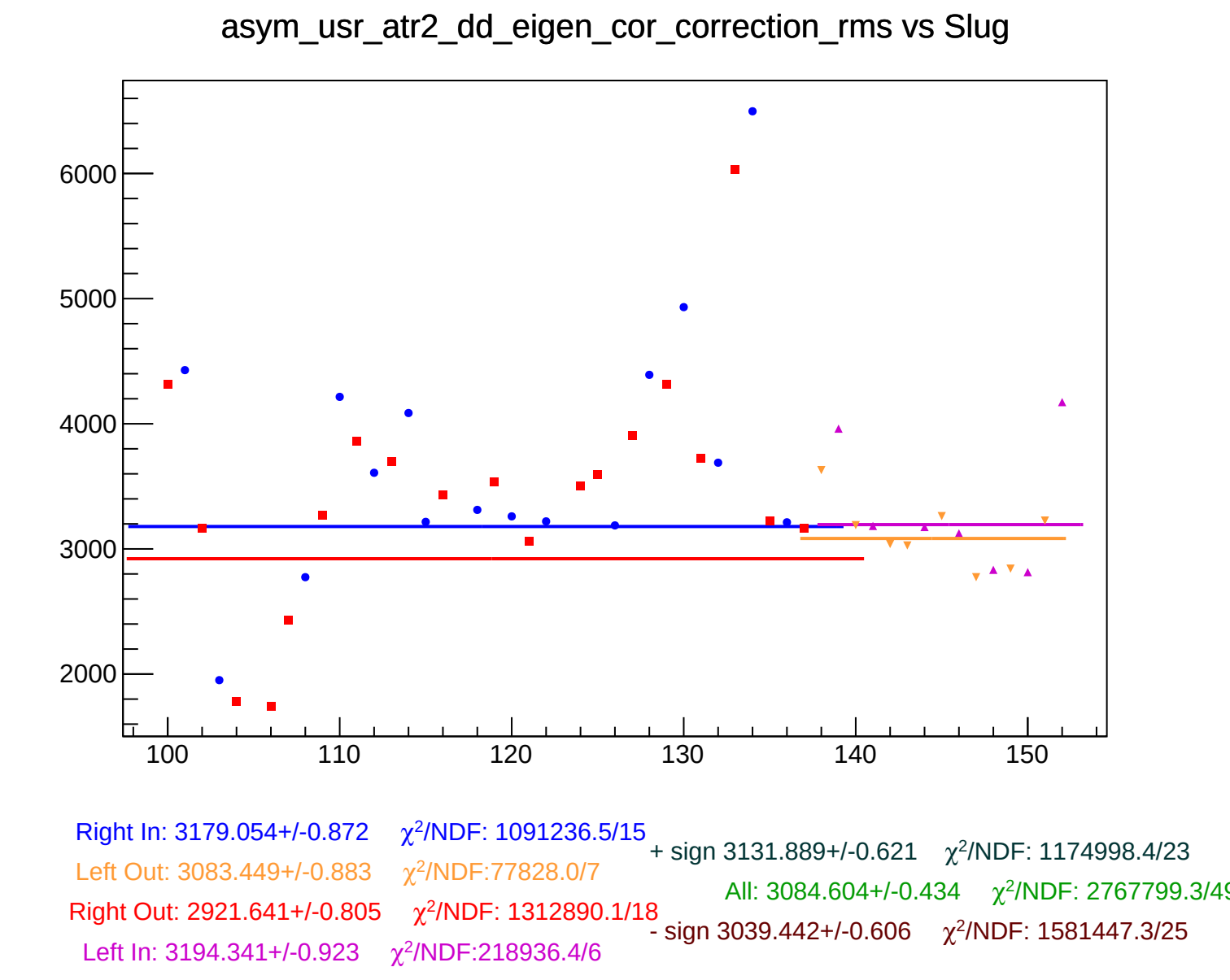
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 835.280+/-1304.815 χ^2/NDF:2.6/6

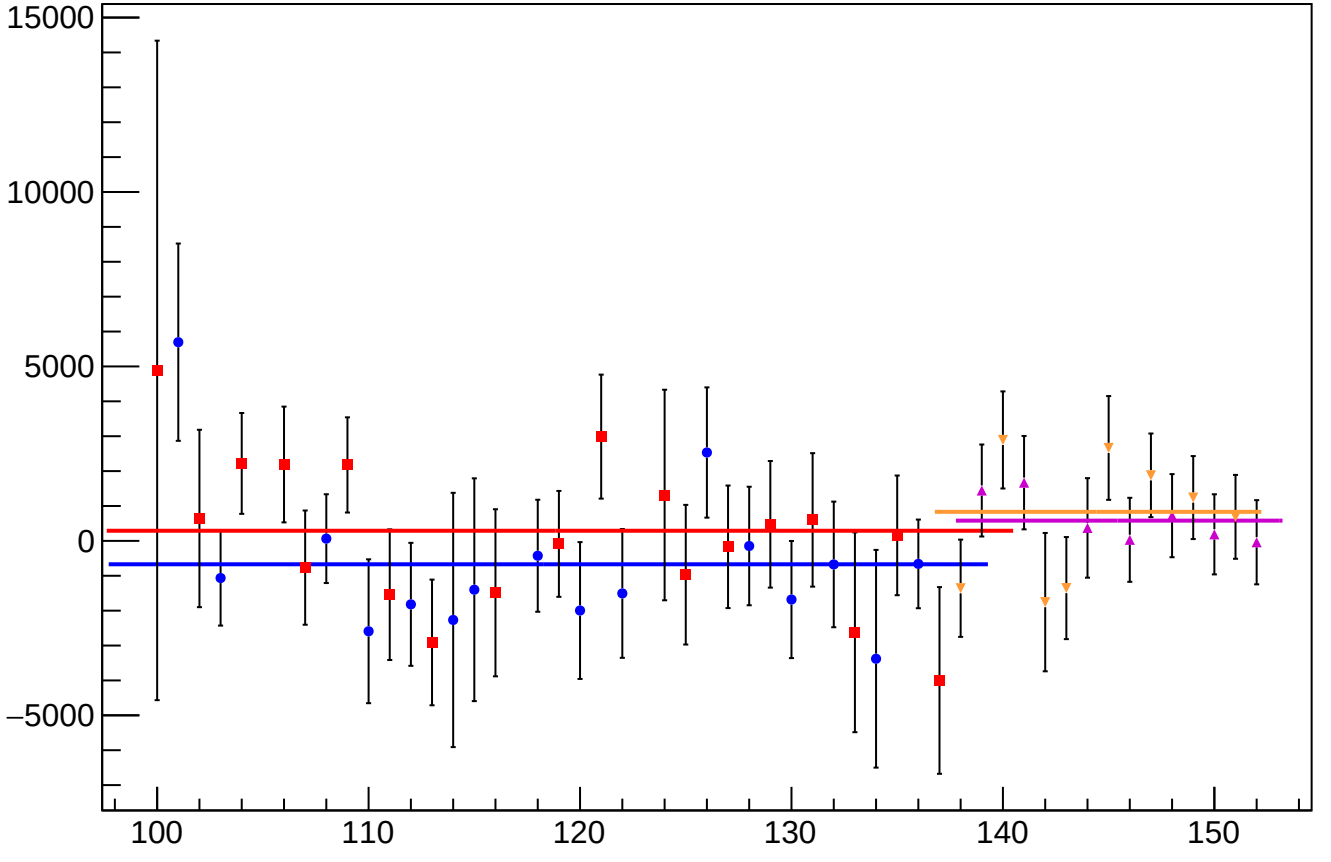
+ sign -440.537+/-877.521 χ^2/NDF: 23.3/23

All: -50.152+/-613.335 χ^2/NDF: 43.5/49

- sign 322.705+/-857.595 χ^2/NDF: 19.8/25


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3083.449+/-0.883 χ²/NDF:77828.0/7
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3194.341+/-0.923 χ²/NDF:218936.4/6
+ sign 3131.889+/-0.621 χ²/NDF: 1174998.4/23
All: 3084.604+/-0.434 χ²/NDF: 2767799.3/49
- sign 3039.442+/-0.606 χ²/NDF: 1581447.3/25

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 832.882+/-482.280 χ^2/NDF:11.0/7

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

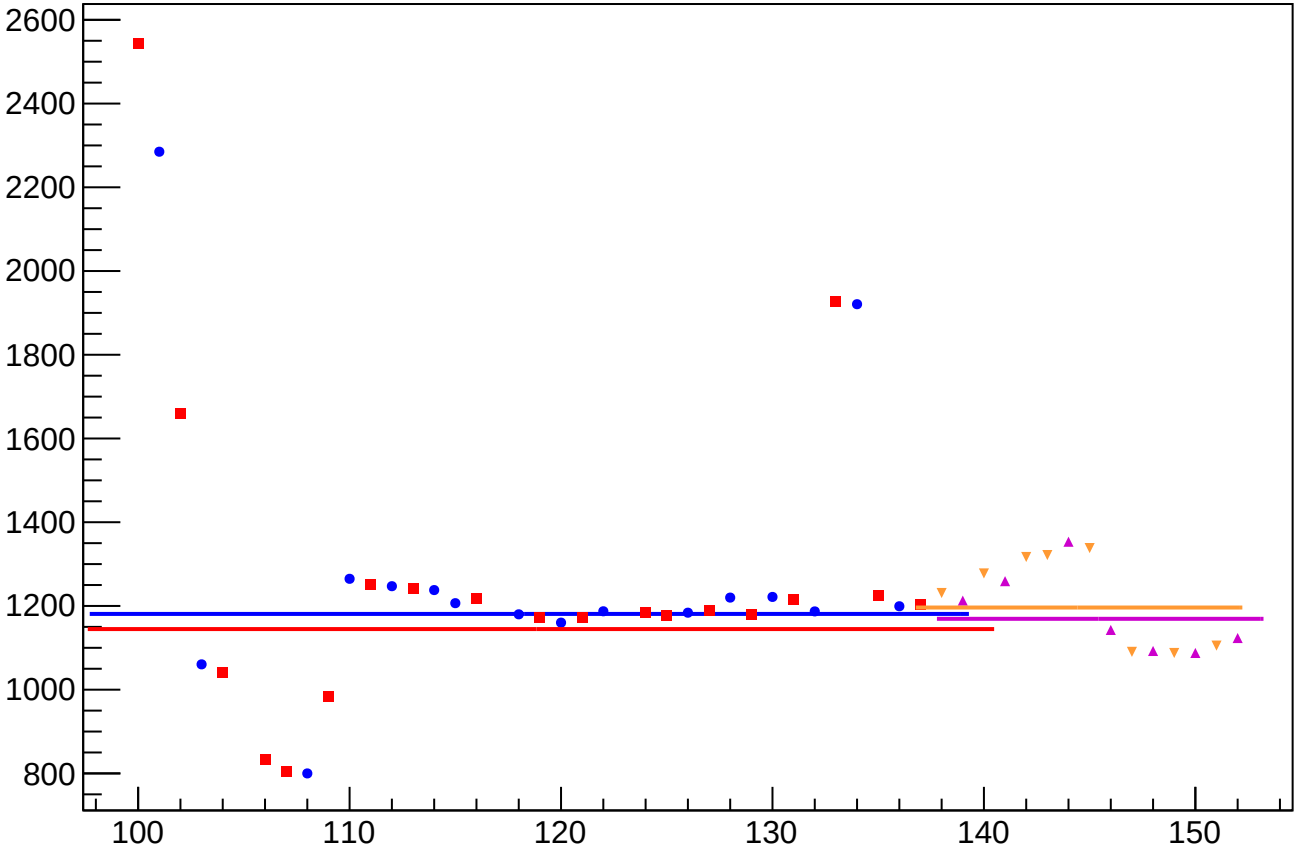
Left In: 580.266+/-473.261 χ^2/NDF:1.7/6

+ sign 26.530+/-328.431 χ^2/NDF: 28.1/23

All: 229.849+/-229.210 χ^2/NDF: 47.7/49

- sign 422.905+/-320.035 χ^2/NDF: 18.9/25

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1196.241+/-0.341 χ^2/NDF:92137.6/7

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

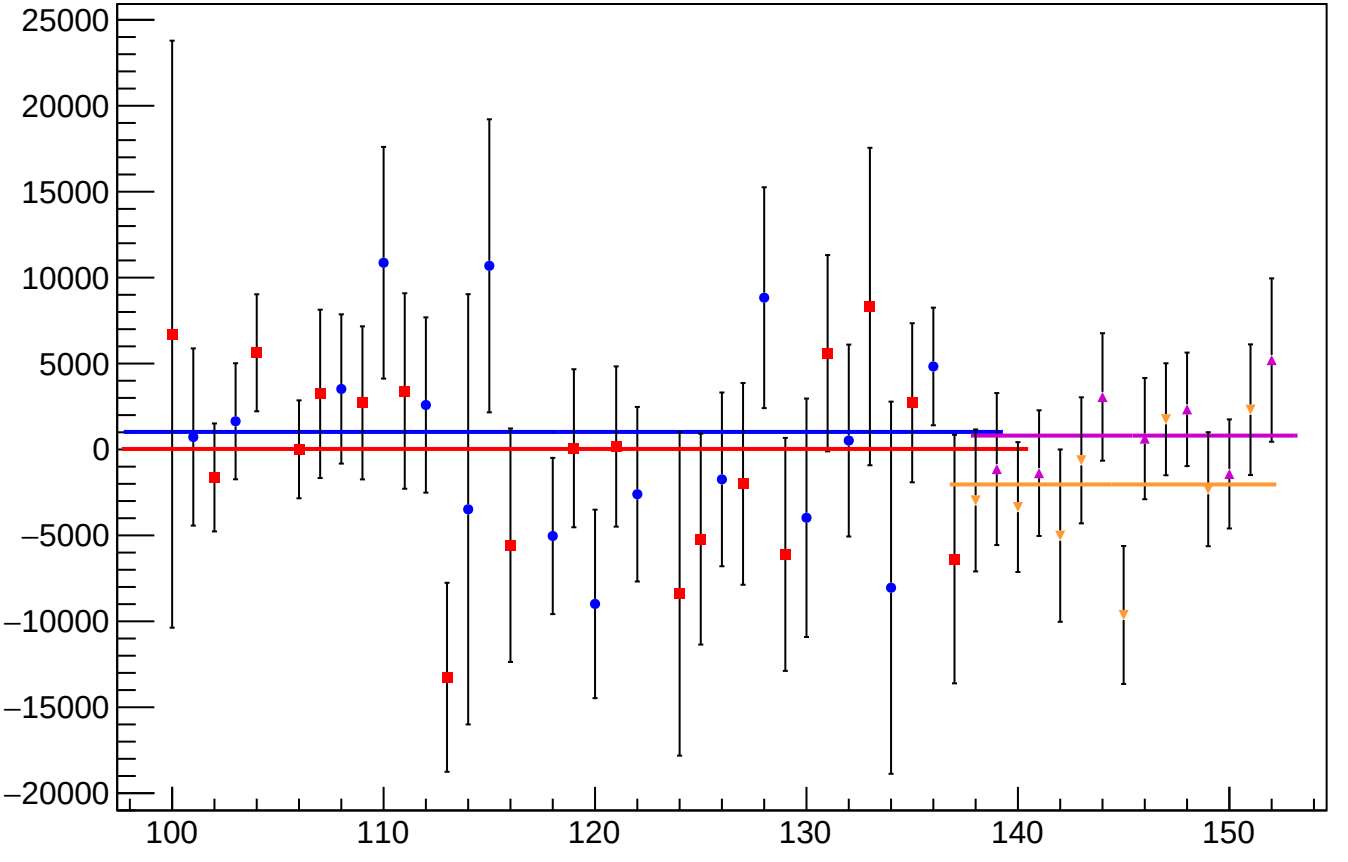
Left In: 1169.269+/-0.335 χ^2/NDF:66794.8/6

+ sign 1188.044+/-0.232 χ^2/NDF: 715093.6/23

All: 1171.588+/-0.162 χ^2/NDF: 1292313.1/49

- sign 1155.971+/-0.226 χ^2/NDF: 567433.6/25

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -2034.271+/-1337.331 χ^2/NDF:6.9/7

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

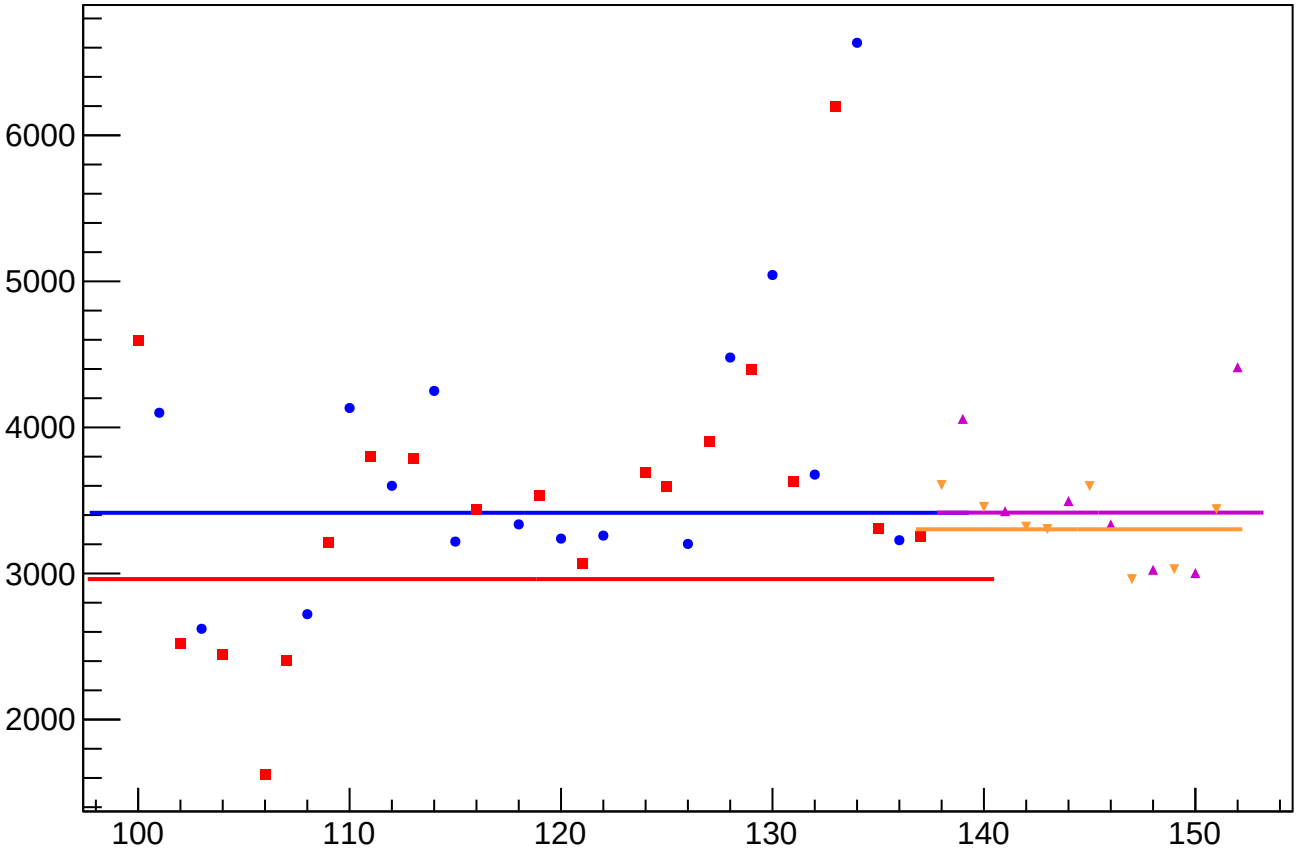
Left In: 807.203+/-1394.539 χ^2/NDF:2.5/6

+ sign -466.225+/-933.052 χ^2/NDF: 23.5/23

All: -39.628+/-639.532 χ^2/NDF: 42.7/49

- sign 338.371+/-878.300 χ^2/NDF: 18.8/25

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3302.554+/-0.946 χ^2/NDF:63152.4/7

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

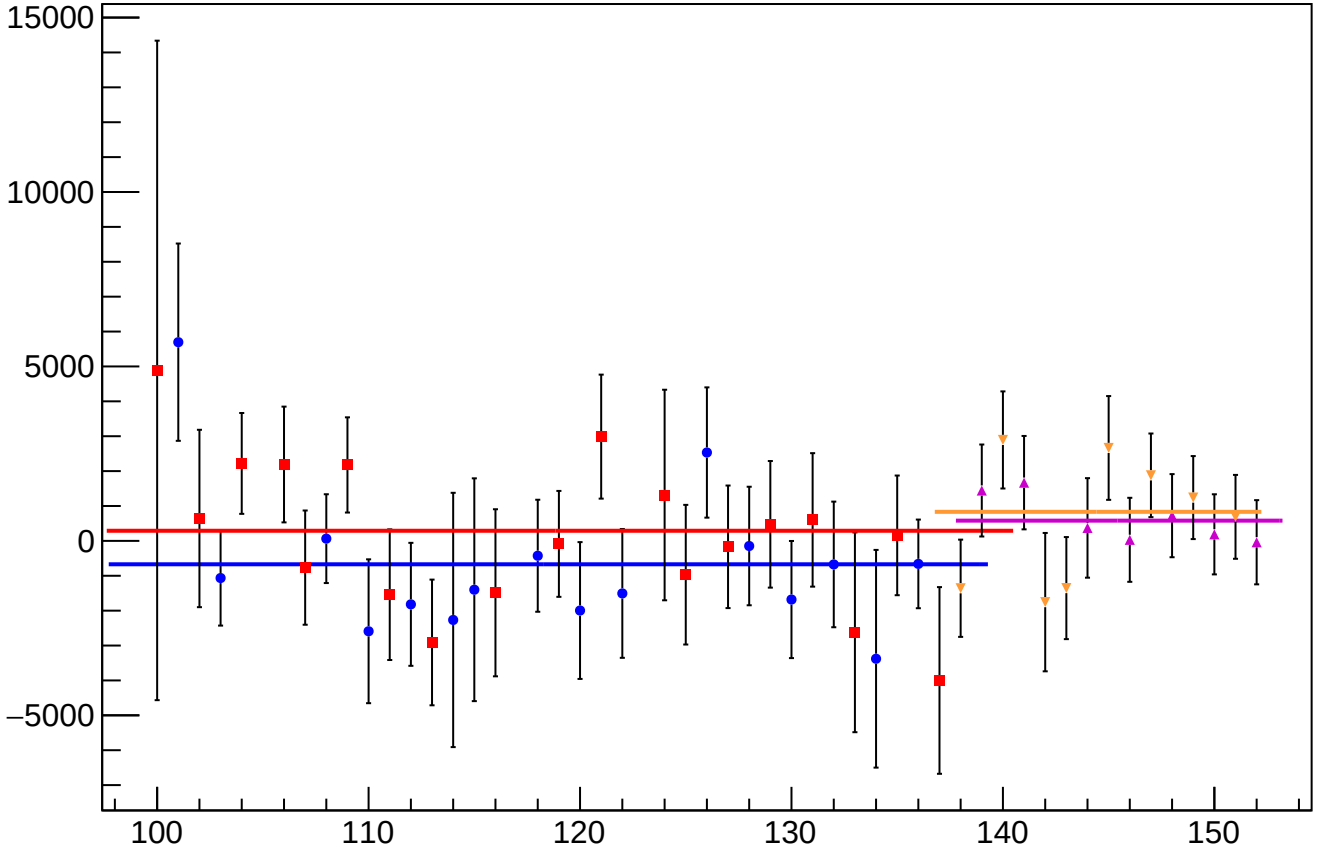
Left In: 3416.794+/-0.986 χ^2/NDF:193866.1/6

+ sign 3360.569+/-0.660 χ^2/NDF: 662830.1/23

All: 3244.832+/-0.452 χ^2/NDF: 2212445.2/49

- sign 3142.279+/-0.621 χ^2/NDF: 1491575.8/25

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 832.884+/-482.281 χ^2/NDF:11.0/7

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

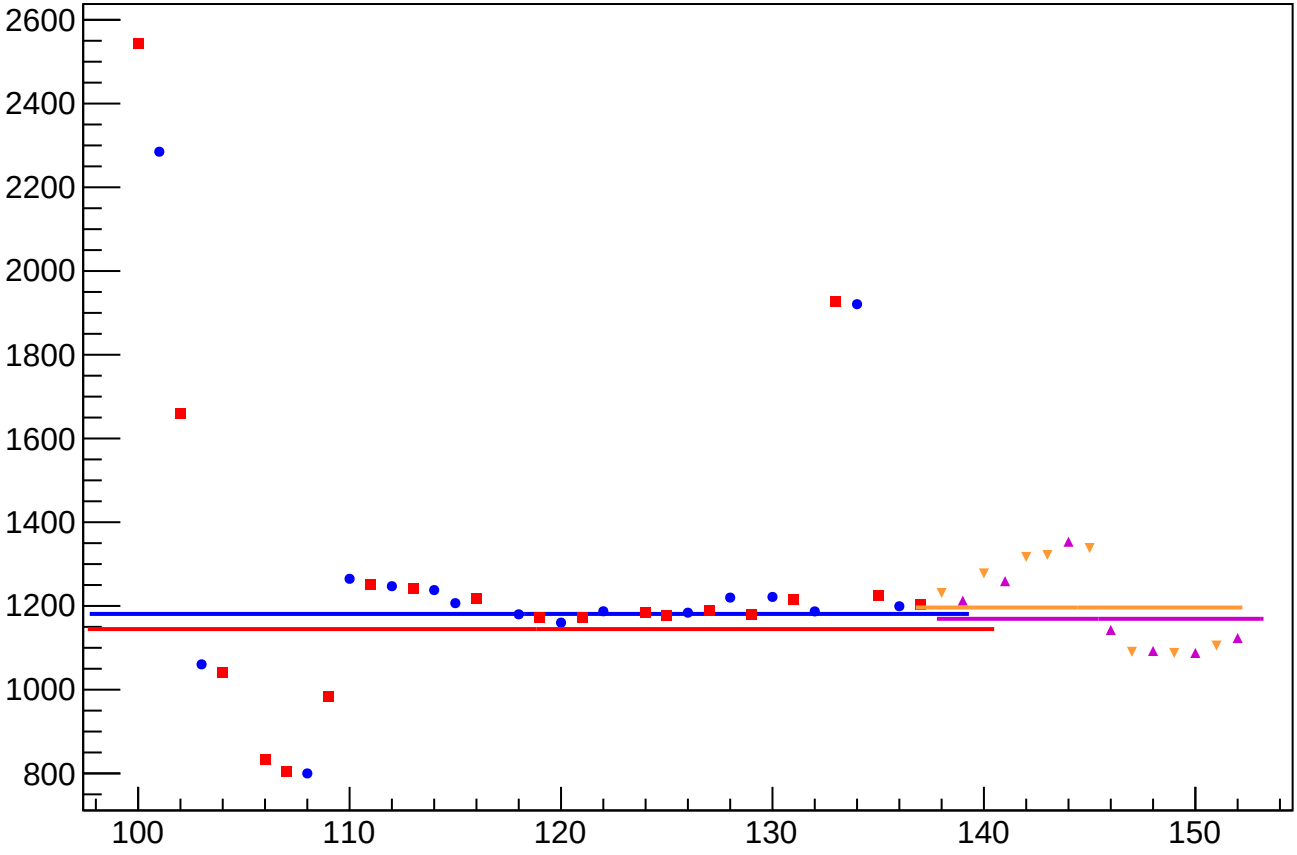
Left In: 580.261+/-473.261 χ^2/NDF:1.7/6

+ sign 26.528+/-328.431 χ^2/NDF: 28.1/23

All: 229.848+/-229.210 χ^2/NDF: 47.7/49

- sign 422.906+/-320.035 χ^2/NDF: 18.9/25

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1196.242+/-0.341 χ^2/NDF:92137.7/7

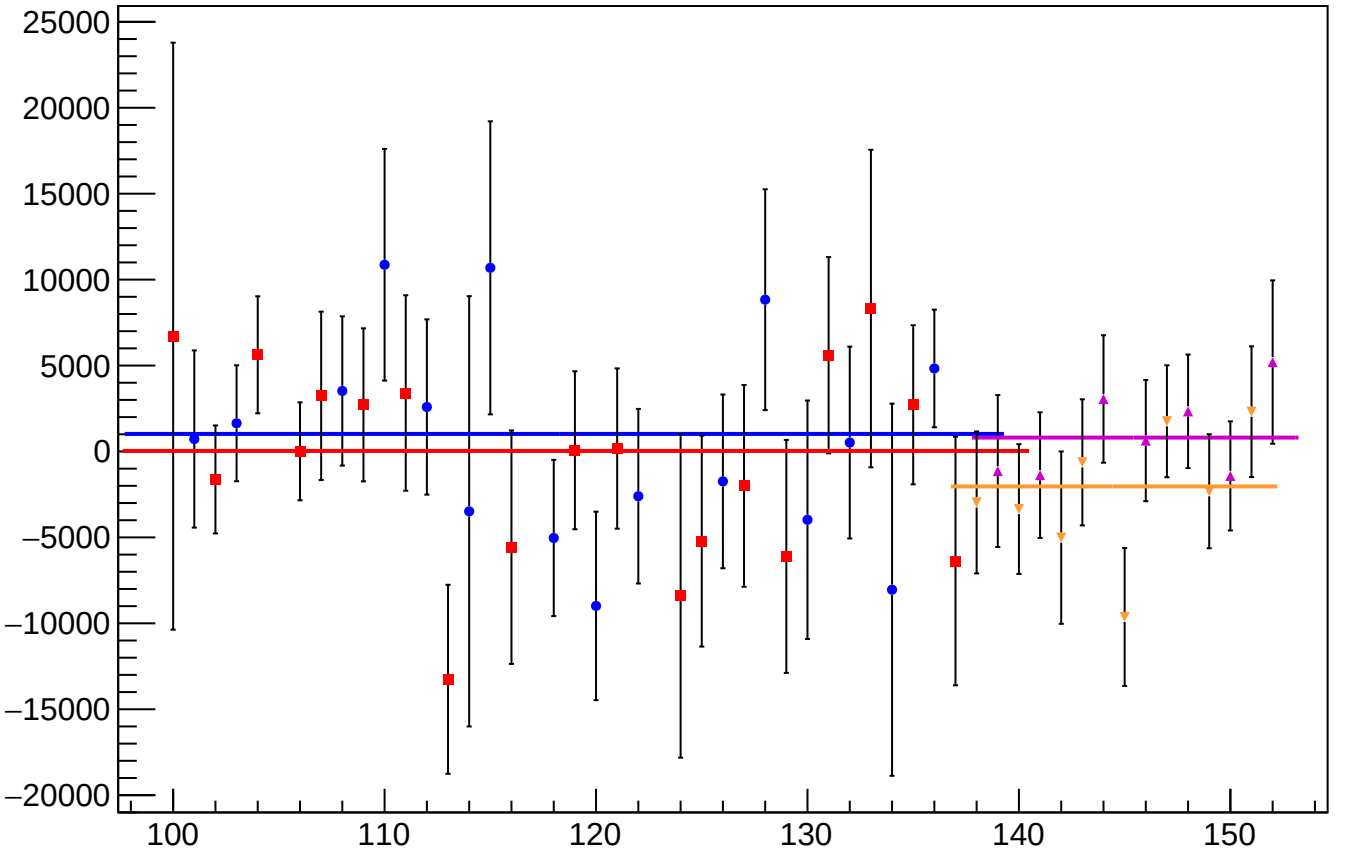
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1169.269+/-0.335 χ^2/NDF:66794.4/6

+ sign 1188.044+/-0.232 χ^2/NDF: 715094.1/23

All: 1171.589+/-0.162 χ^2/NDF: 1292312.7/49

- sign 1155.971+/-0.226 χ^2/NDF: 567432.9/25



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -2034.272+/-1337.333 χ^2/NDF:6.9/7

Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

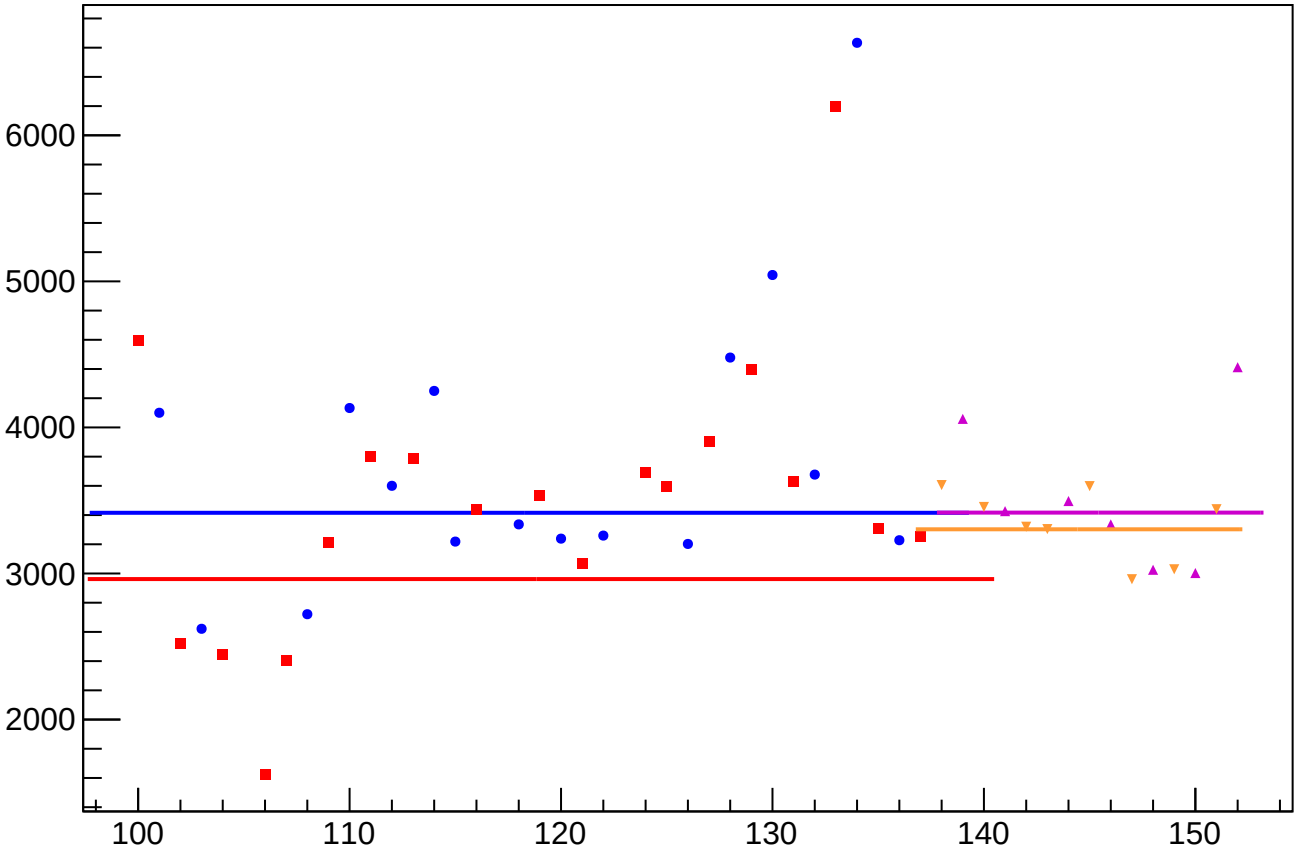
Left In: 807.199+/-1394.540 χ^2/NDF:2.5/6

+ sign -466.231+/-933.052 χ^2/NDF: 23.5/23

All: -39.630+/-639.532 χ^2/NDF: 42.7/49

- sign 338.373+/-878.299 χ^2/NDF: 18.8/25

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3302.558+/-0.946 χ^2/NDF:63151.9/7

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

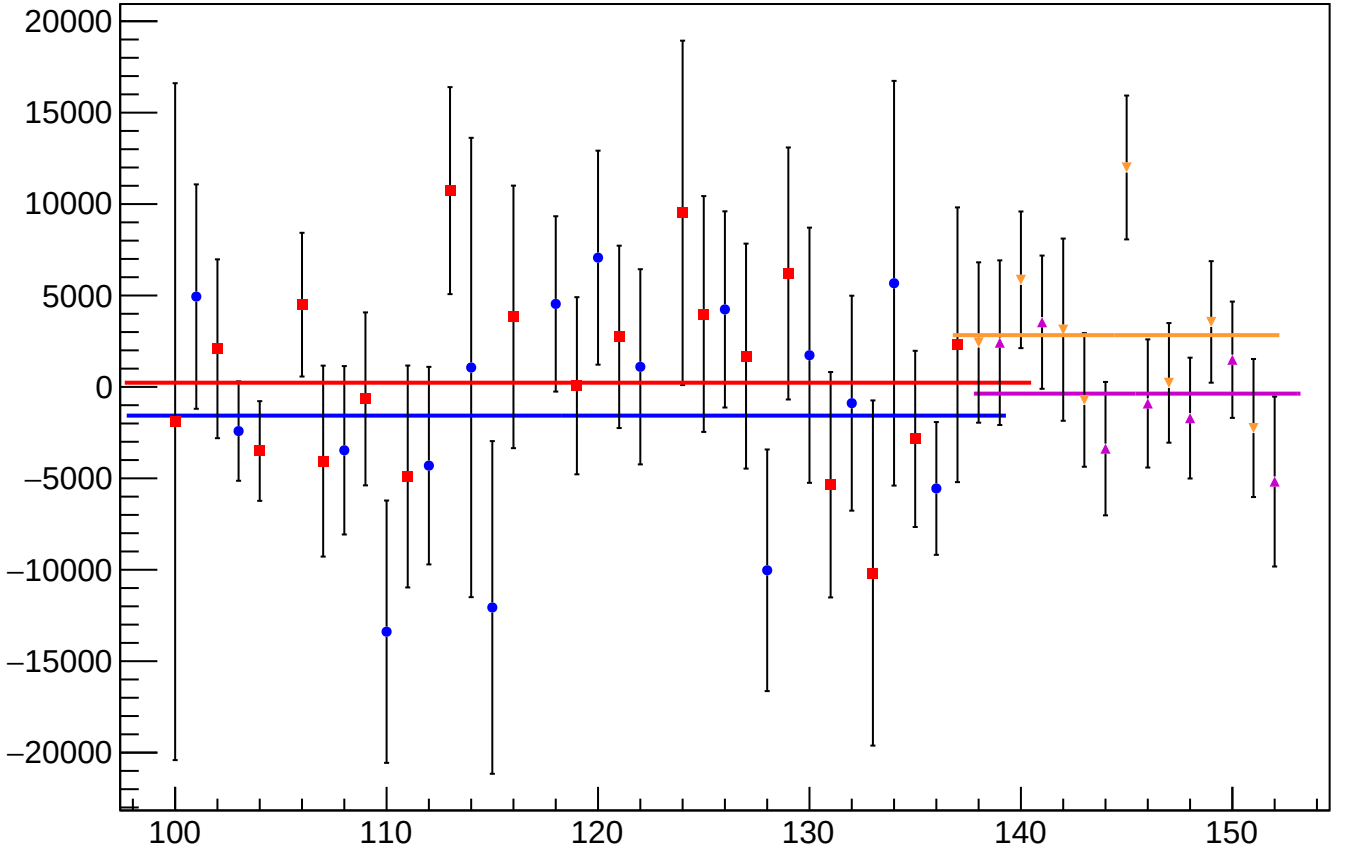
Left In: 3416.798+/-0.986 χ^2/NDF:193864.2/6

+ sign 3360.569+/-0.660 χ^2/NDF: 662823.7/23

All: 3244.831+/-0.452 χ^2/NDF: 2212443.0/49

- sign 3142.277+/-0.621 χ^2/NDF: 1491578.7/25

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 2831.743+/-1339.153 χ^2/NDF:9.5/7

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

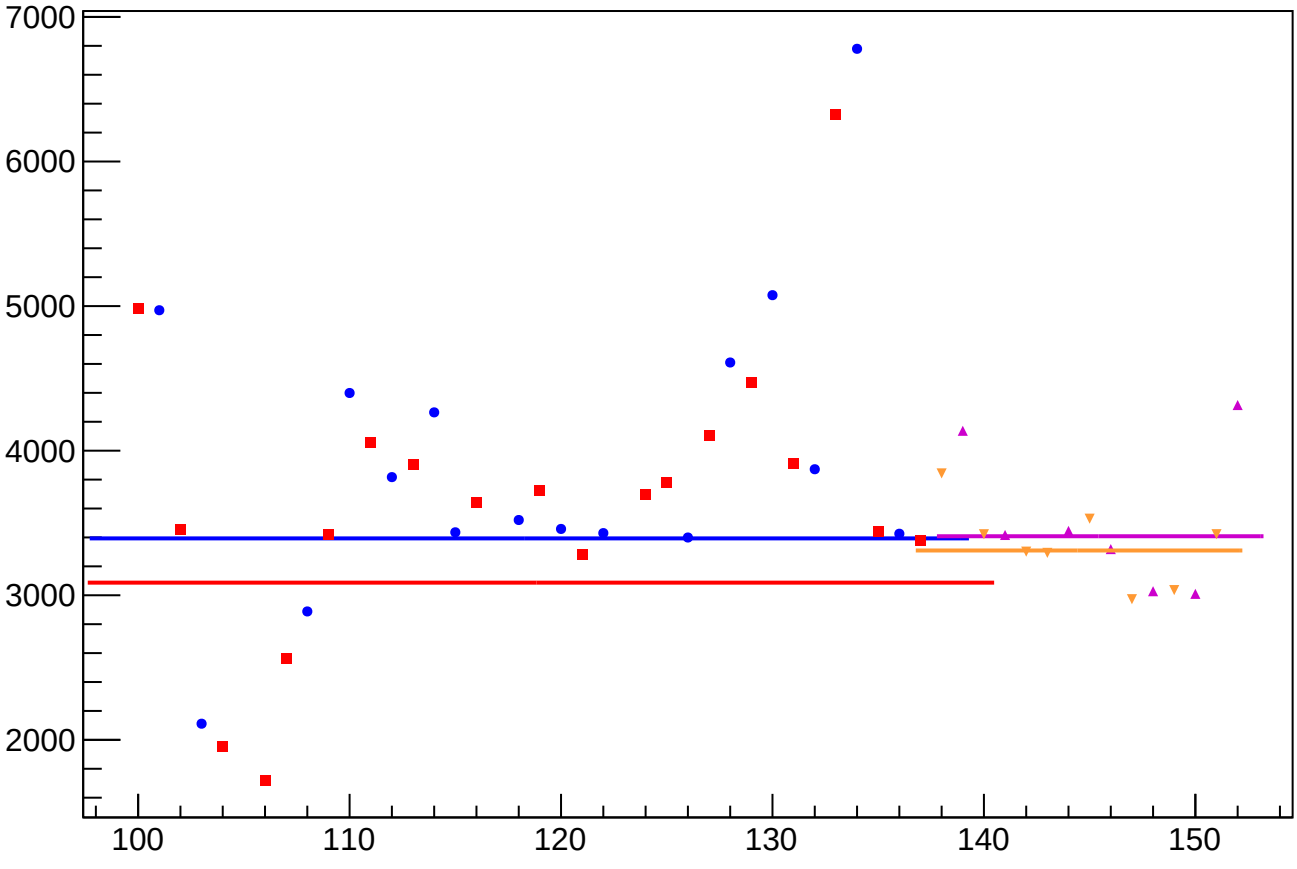
Left In: -366.801+/-1389.478 χ^2/NDF:3.8/6

+ sign 587.463+/-937.518 χ^2/NDF: 29.5/23

All: 272.332+/-656.133 χ^2/NDF: 46.9/49

- sign -30.207+/-918.595 χ^2/NDF: 17.1/25

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3309.714+/-0.947 χ^2/NDF:74263.4/7

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

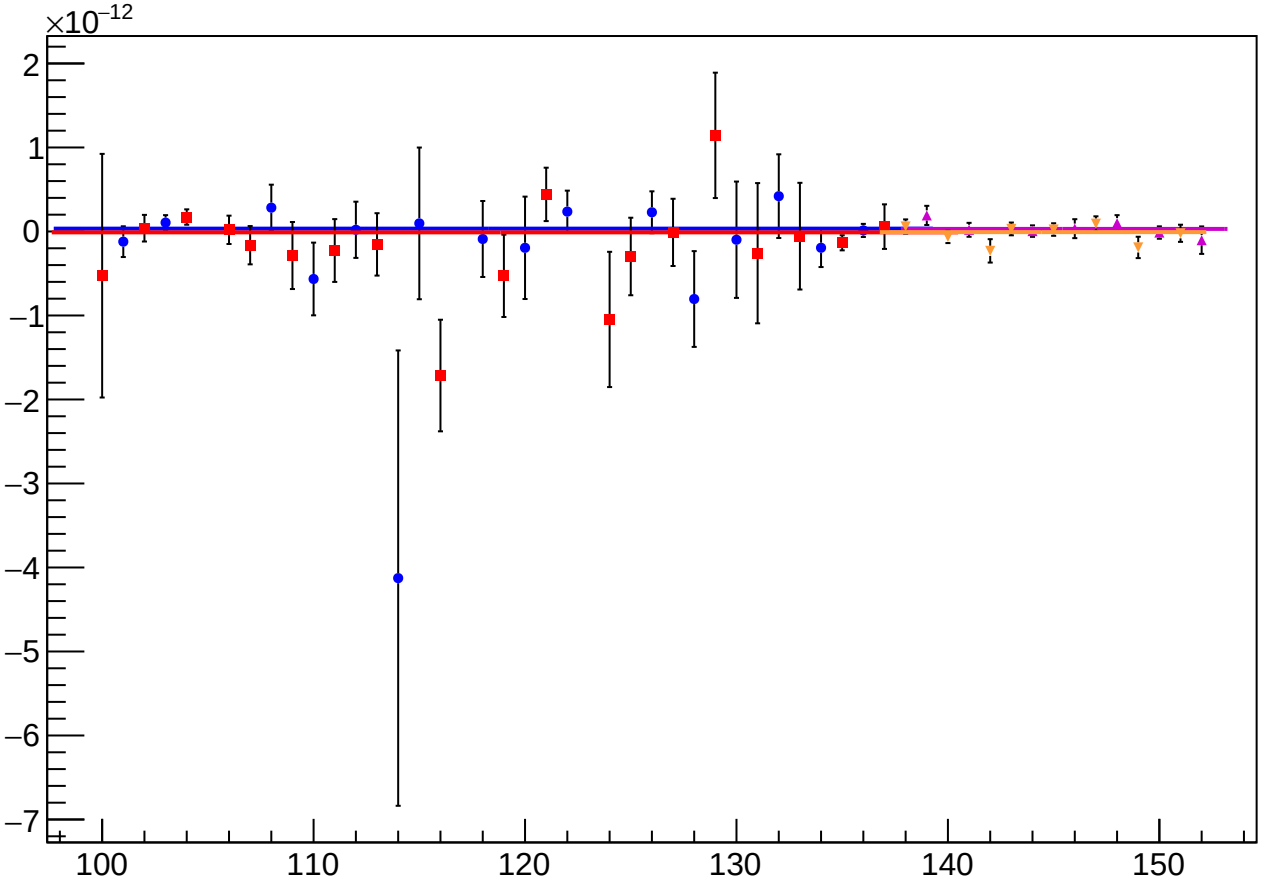
Left In: 3408.247+/-0.983 χ^2/NDF:188126.8/6

+ sign 3352.366+/-0.663 χ^2/NDF: 1126950.1/23

All: 3286.732+/-0.462 χ^2/NDF: 2723418.8/49

- sign 3224.916+/-0.643 χ^2/NDF: 1577434.2/25

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:7.7/7

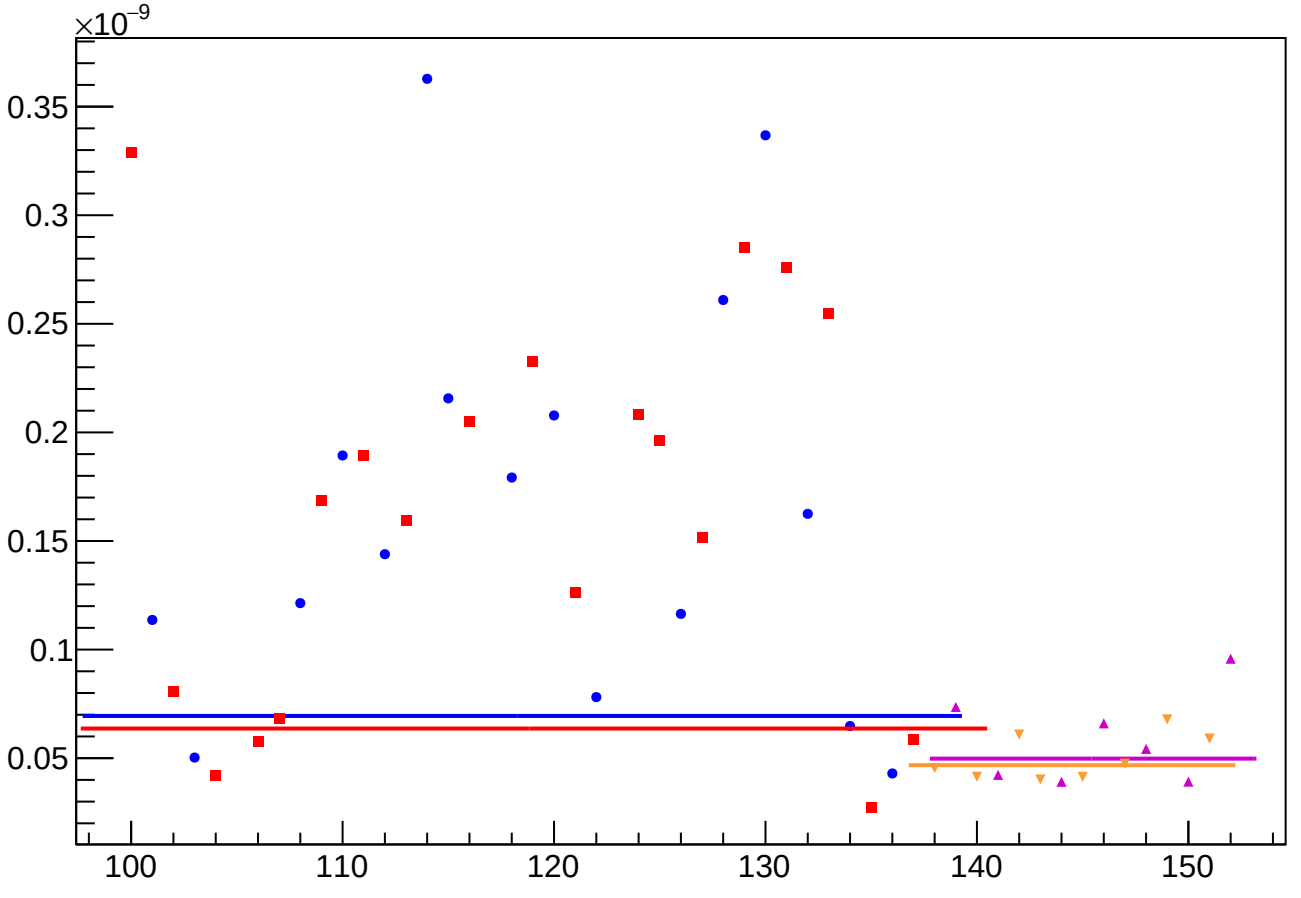
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 20.0/23

All: 0.000+/-0.000 χ^2/NDF: 46.1/49

- sign 0.000+/-0.000 χ^2/NDF: 26.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:140998.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

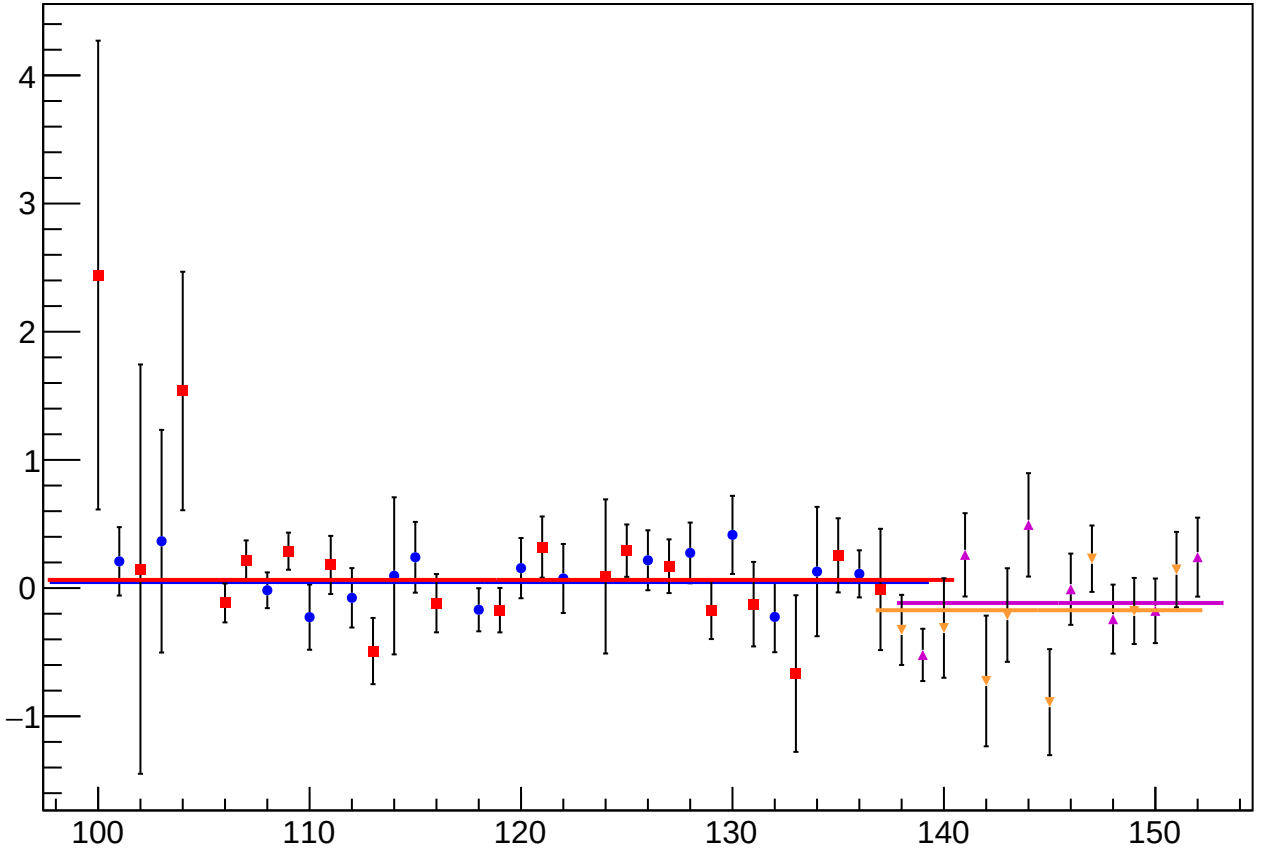
Left In: 0.000+/-0.000 χ^2/NDF:397183.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 2175104.3/23

All: 0.000+/-0.000 χ^2/NDF: 4929597.4/49

- sign 0.000+/-0.000 χ^2/NDF: 2753288.4/25

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: -0.173+/-0.113 χ^2/NDF:8.2/7

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

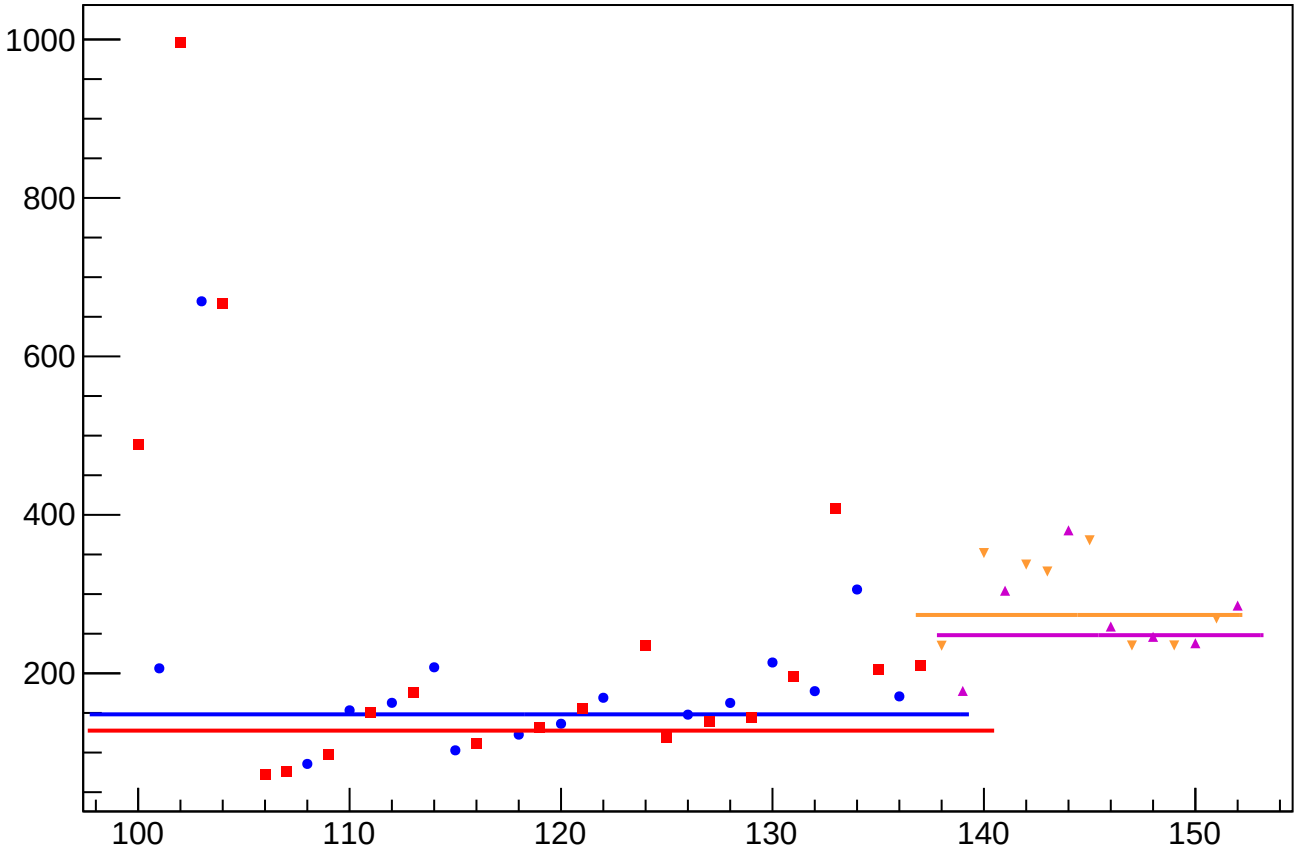
Left In: -0.116+/-0.104 χ^2/NDF:9.3/6

+ sign -0.002+/-0.053 χ^2/NDF: 19.7/23

All: 0.013+/-0.036 χ^2/NDF: 53.8/49

- sign 0.025+/-0.048 χ^2/NDF: 33.9/25

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: 273.670+/-0.080 χ^2/NDF:390520.7/7

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

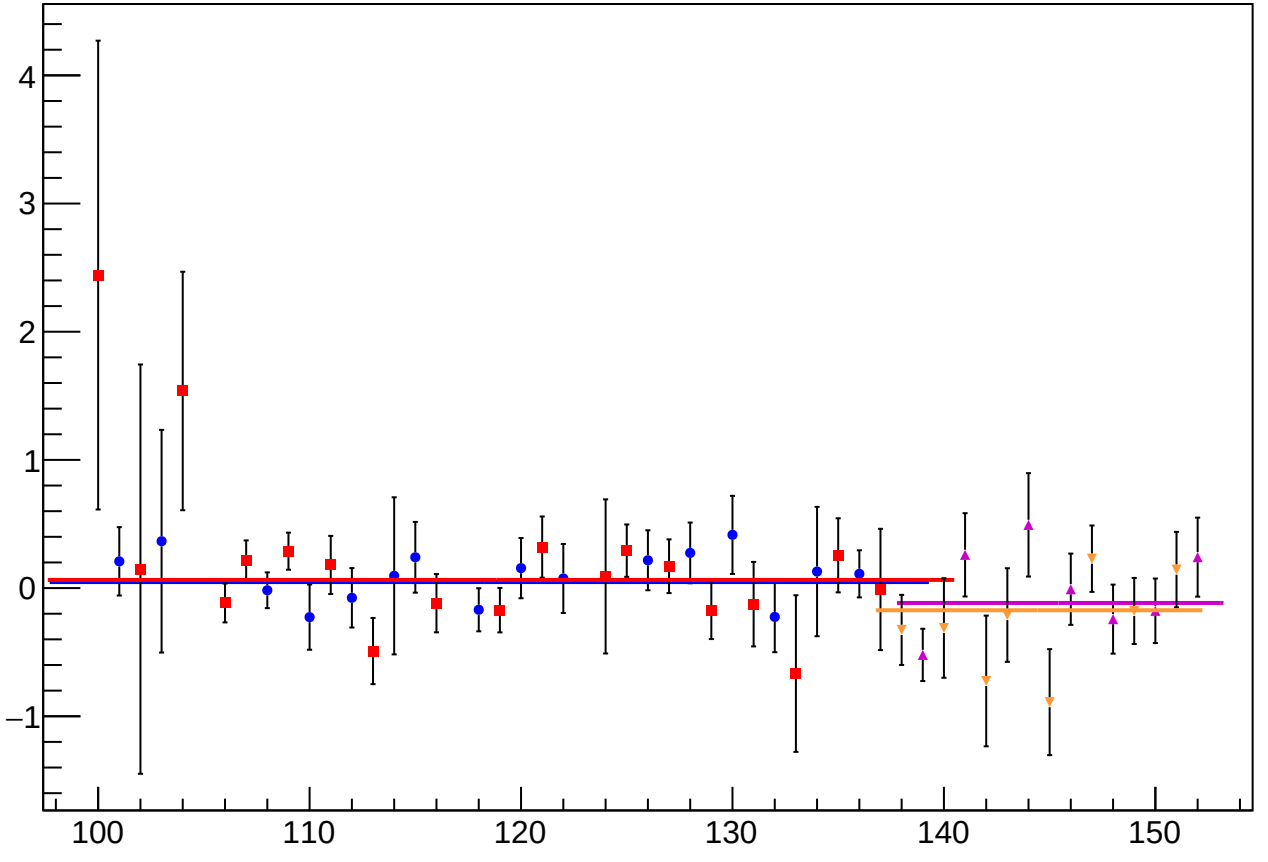
Left In: 248.159+/-0.073 χ^2/NDF:548753.0/6

+ sign 175.950+/-0.037 χ^2/NDF: 4029584.6/23

All: 163.880+/-0.025 χ^2/NDF: 9717473.3/49

- sign 153.819+/-0.034 χ^2/NDF: 5497597.9/25

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: -0.173+/-0.113 χ^2/NDF:8.2/7

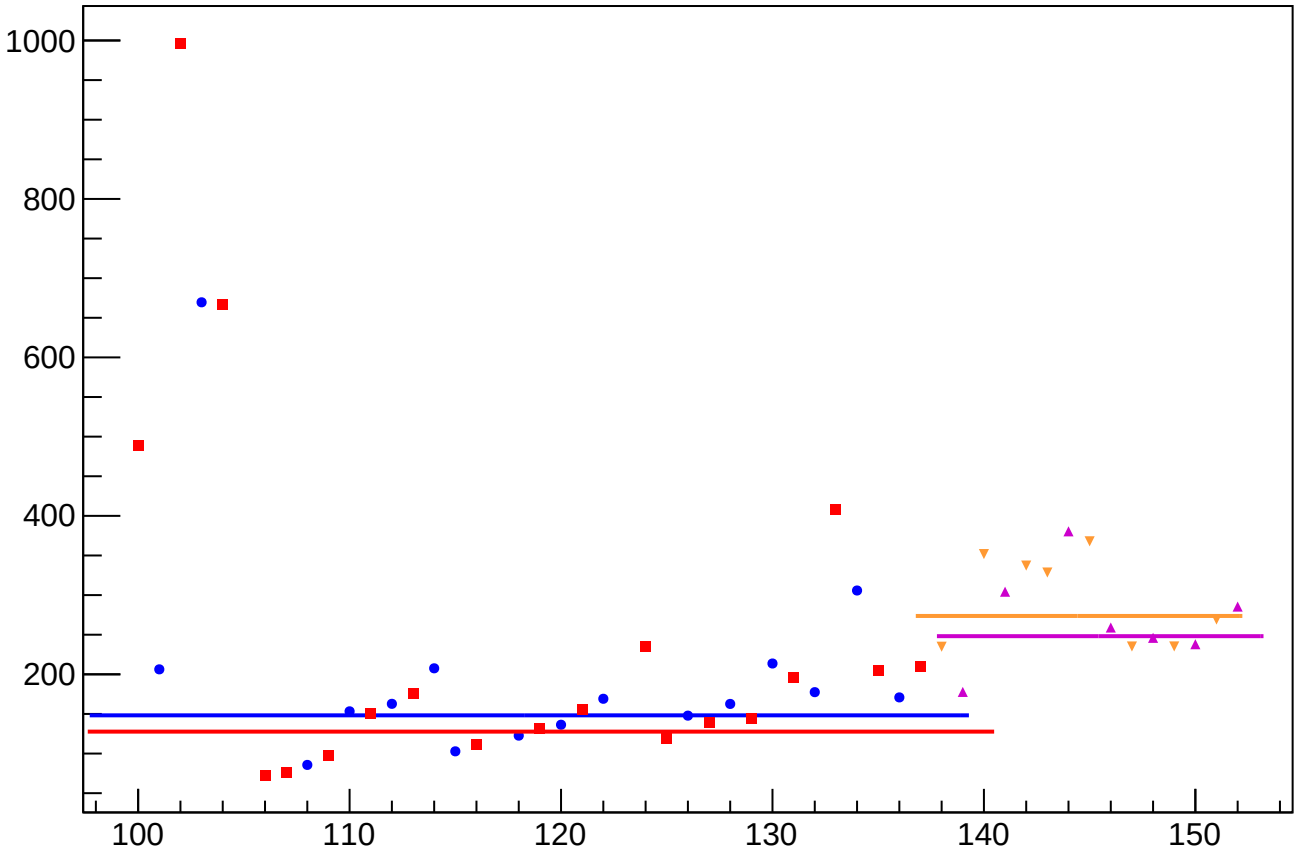
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.116+/-0.104 χ^2/NDF:9.3/6

+ sign -0.002+/-0.053 χ^2/NDF: 19.7/23

All: 0.013+/-0.036 χ^2/NDF: 53.8/49

- sign 0.025+/-0.048 χ^2/NDF: 33.9/25



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 273.670+/-0.080 χ^2/NDF:390520.7/7

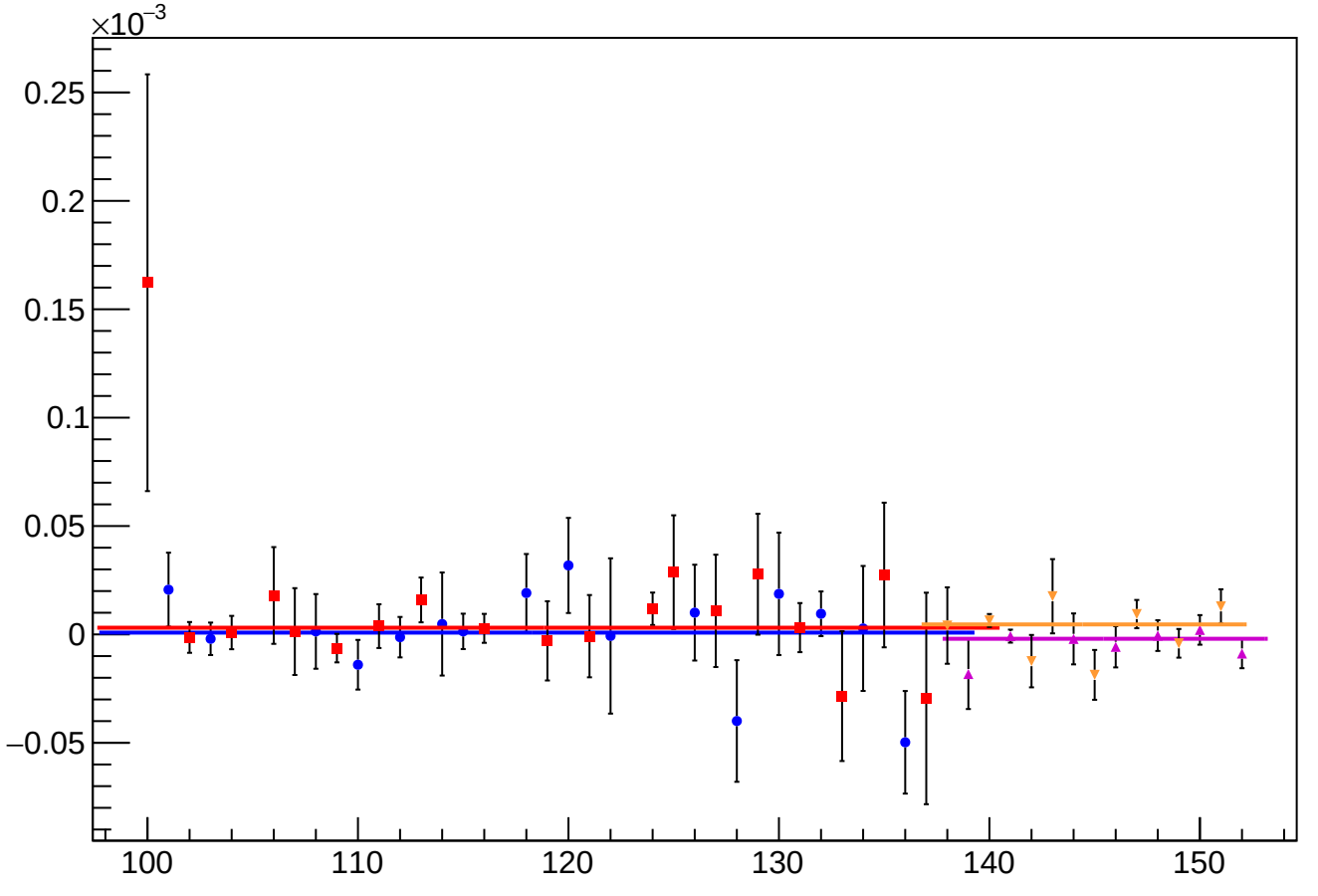
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 248.159+/-0.073 χ^2/NDF:548753.0/6

+ sign 175.950+/-0.037 χ^2/NDF: 4029584.6/23

All: 163.880+/-0.025 χ^2/NDF: 9717473.3/49

- sign 153.819+/-0.034 χ^2/NDF: 5497597.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/7

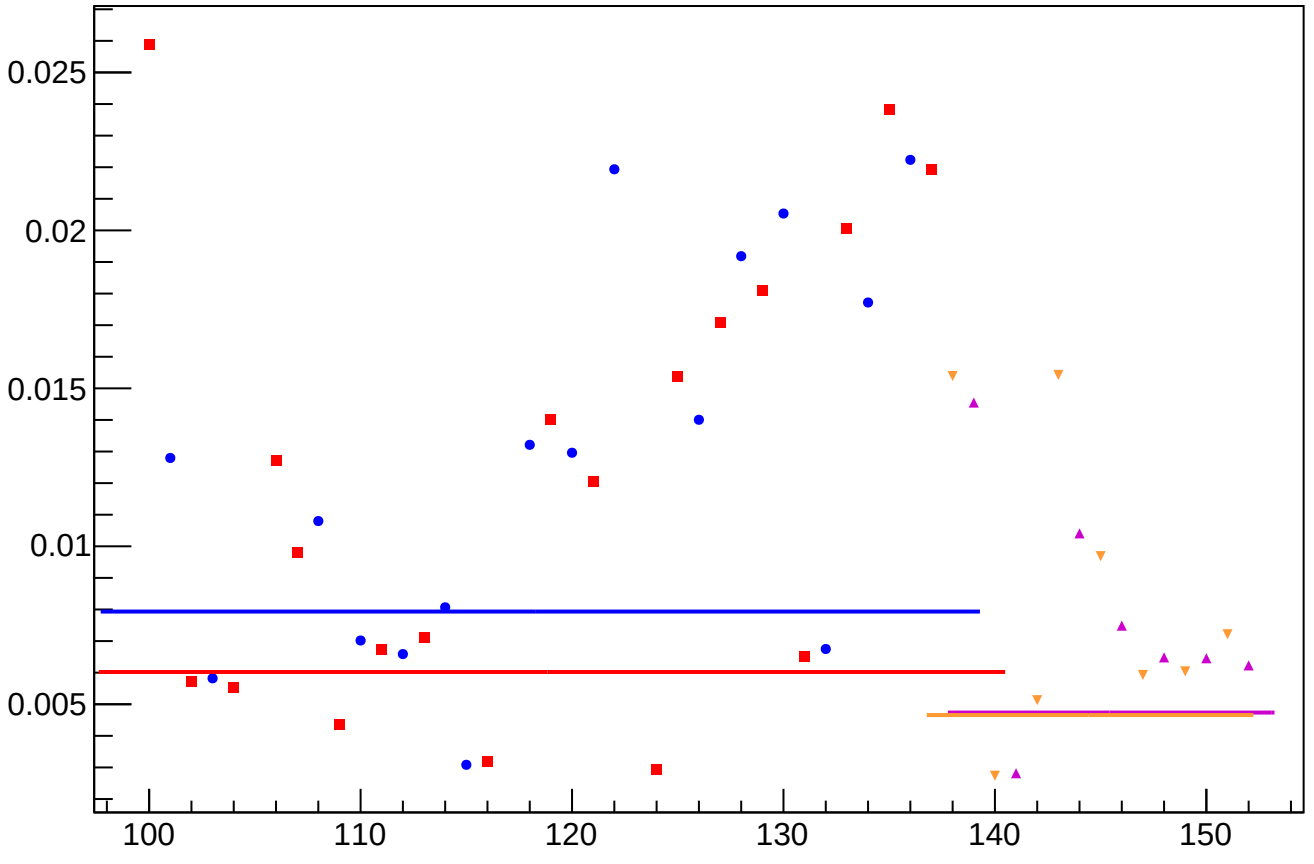
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/23

All: 0.000+/-0.000 χ^2/NDF: 44.8/49

- sign 0.000+/-0.000 χ^2/NDF: 17.6/25



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:3116875.2/7

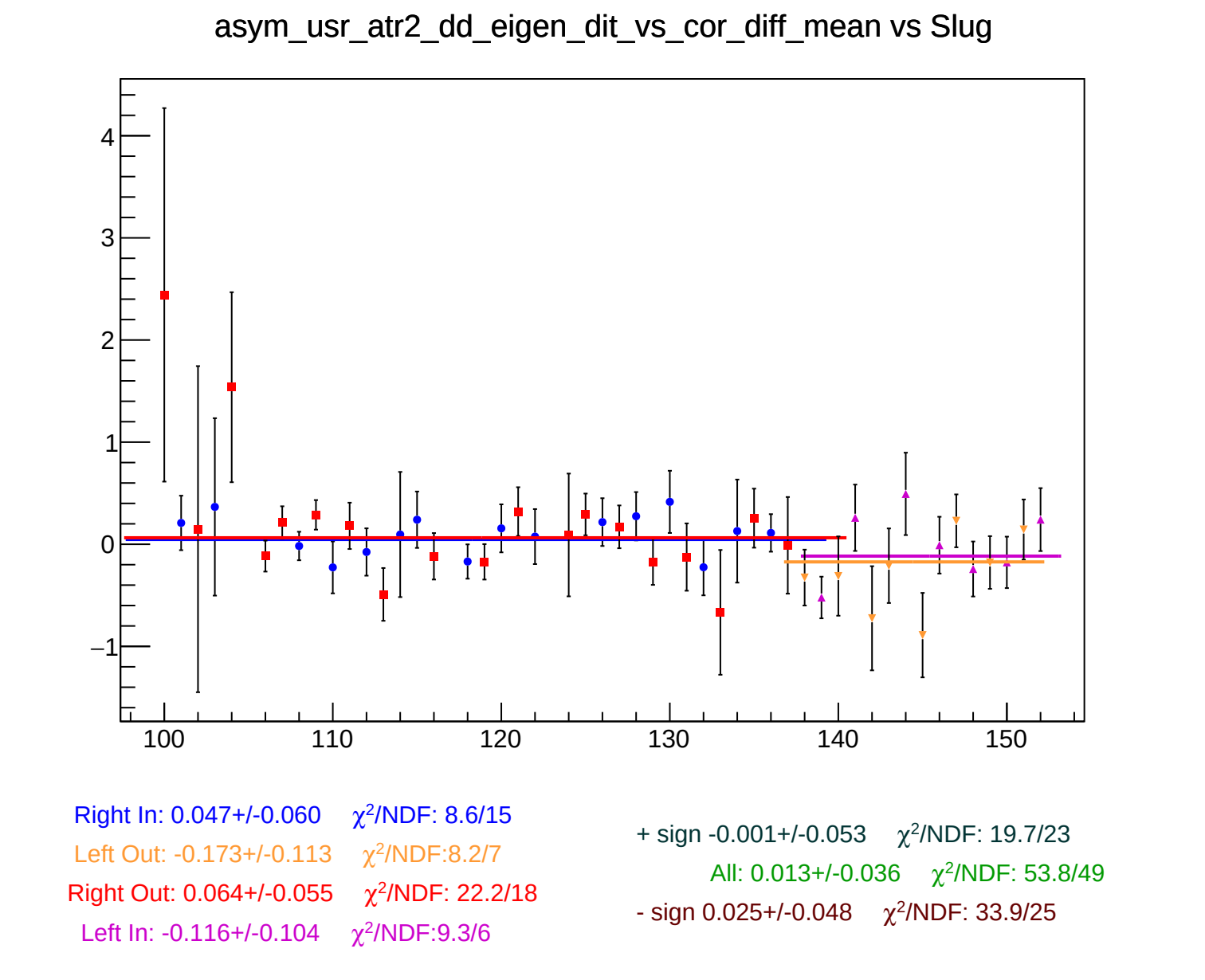
Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:2535945.1/6

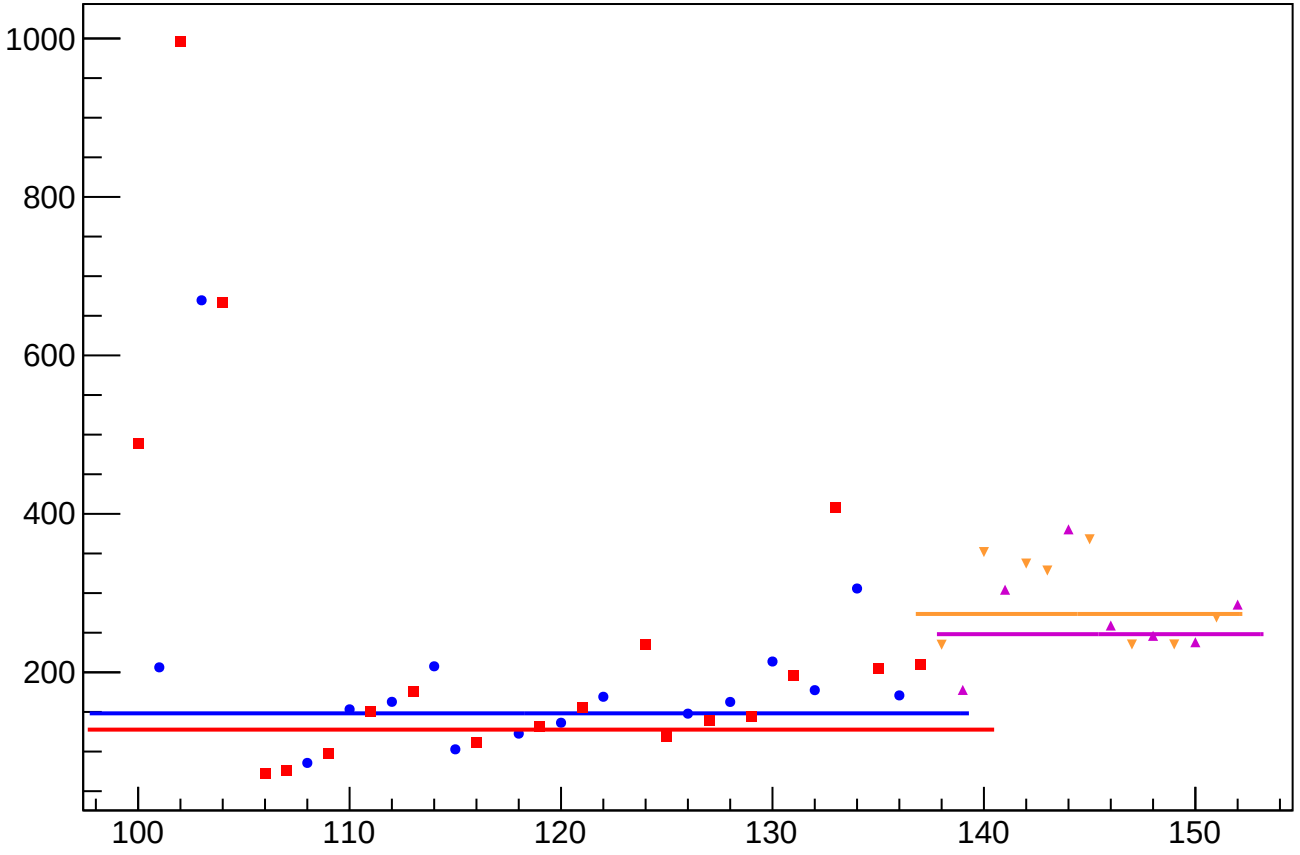
+ sign 0.006+/-0.000 χ^2/NDF: 7949767.2/23

All: 0.005+/-0.000 χ^2/NDF: 14808693.8/49

- sign 0.005+/-0.000 χ^2/NDF: 6819685.9/25


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: -0.173+/-0.113 χ²/NDF:8.2/7
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.116+/-0.104 χ²/NDF:9.3/6
+ sign -0.001+/-0.053 χ²/NDF: 19.7/23
All: 0.013+/-0.036 χ²/NDF: 53.8/49
- sign 0.025+/-0.048 χ²/NDF: 33.9/25

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: 273.674+/-0.080 χ^2/NDF:390498.2/7

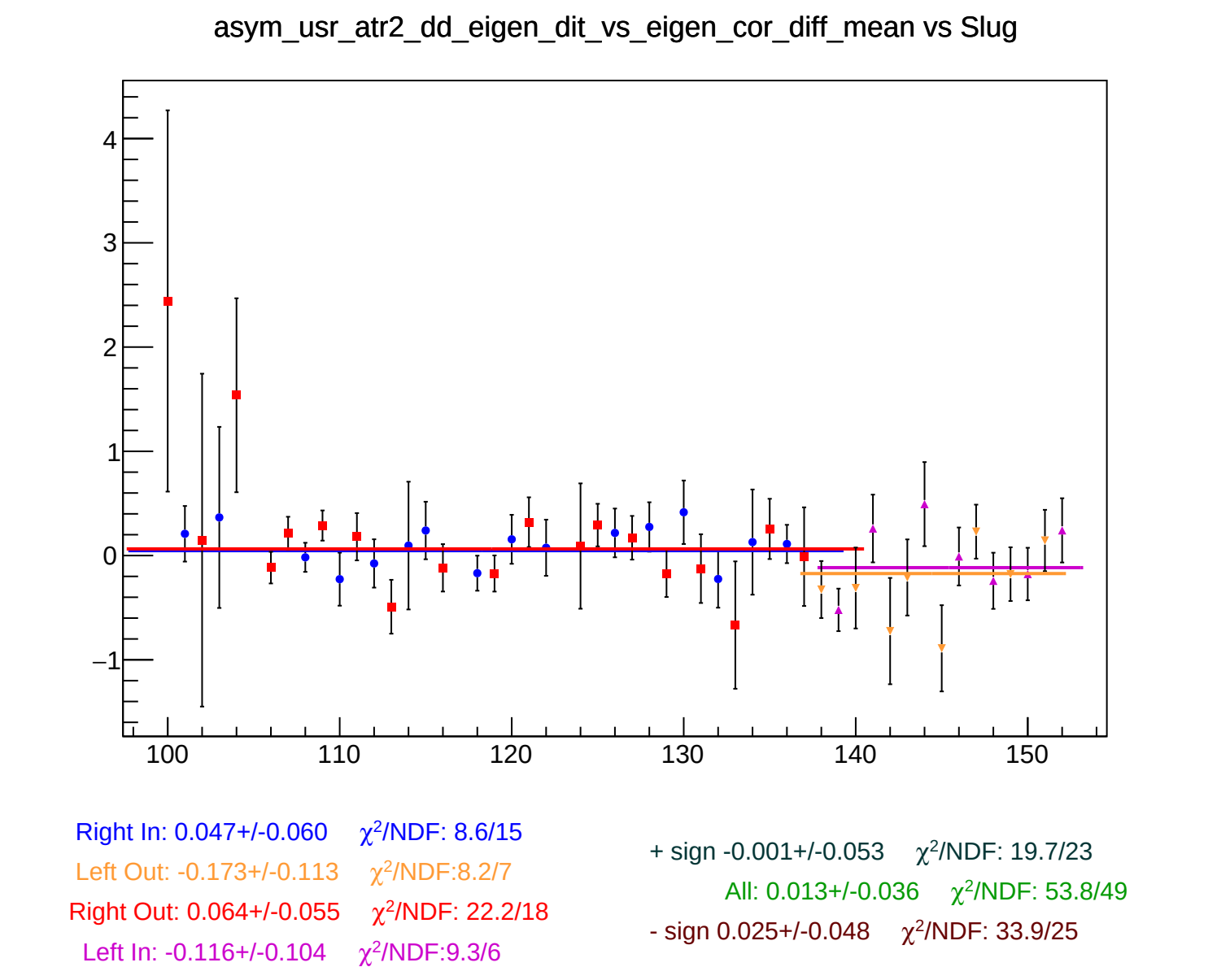
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 248.162+/-0.073 χ^2/NDF:548720.4/6

+ sign 175.948+/-0.037 χ^2/NDF: 4029806.1/23

All: 163.879+/-0.025 χ^2/NDF: 9717684.1/49

- sign 153.819+/-0.034 χ^2/NDF: 5497628.3/25


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
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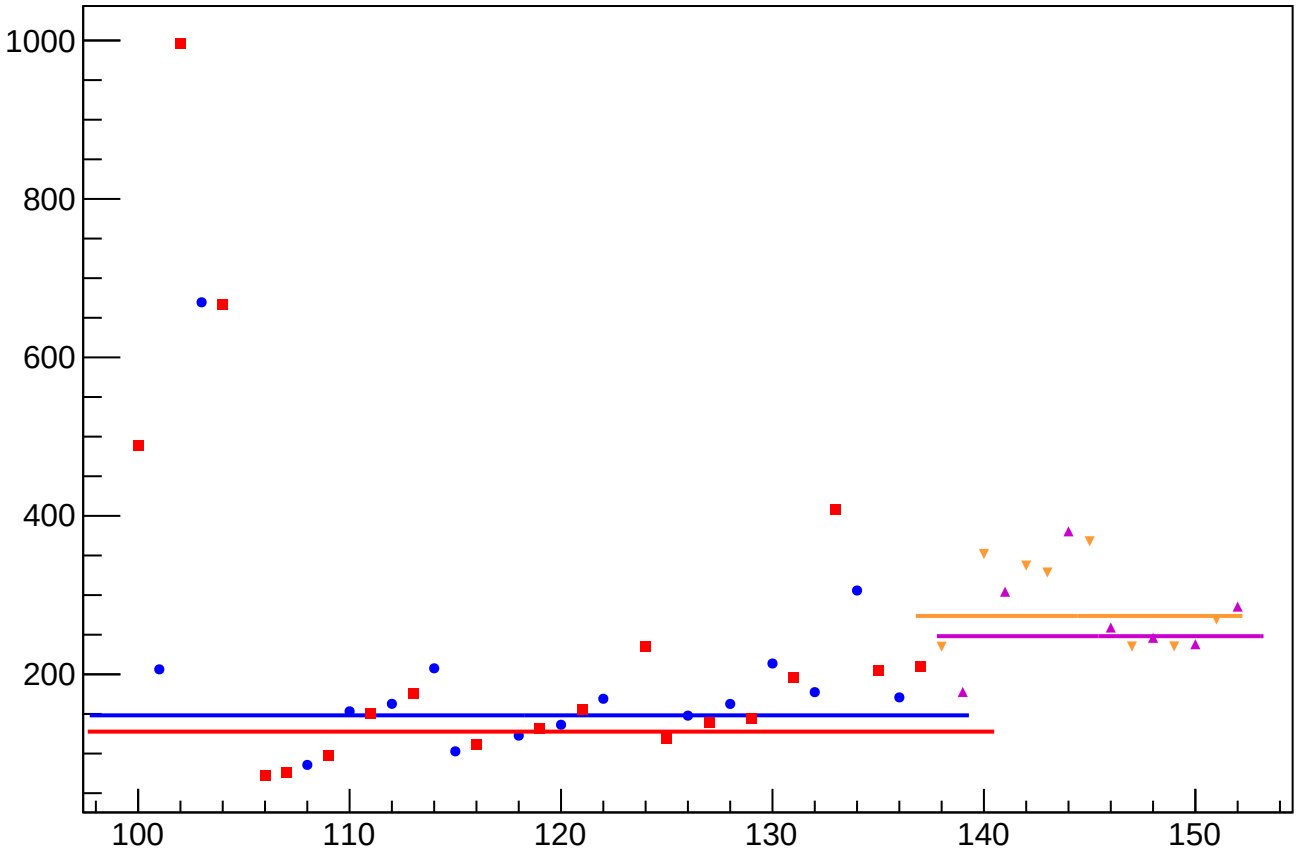
−1
100
110
120
130
140
150
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.173+/-0.113 χ²/NDF:8.2/7
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.116+/-0.104 χ²/NDF:9.3/6
+ sign -0.001+/-0.053 χ²/NDF: 19.7/23
All: 0.013+/-0.036 χ²/NDF: 53.8/49
- sign 0.025+/-0.048 χ²/NDF: 33.9/25



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 273.674+/-0.080 χ^2/NDF:390498.2/7

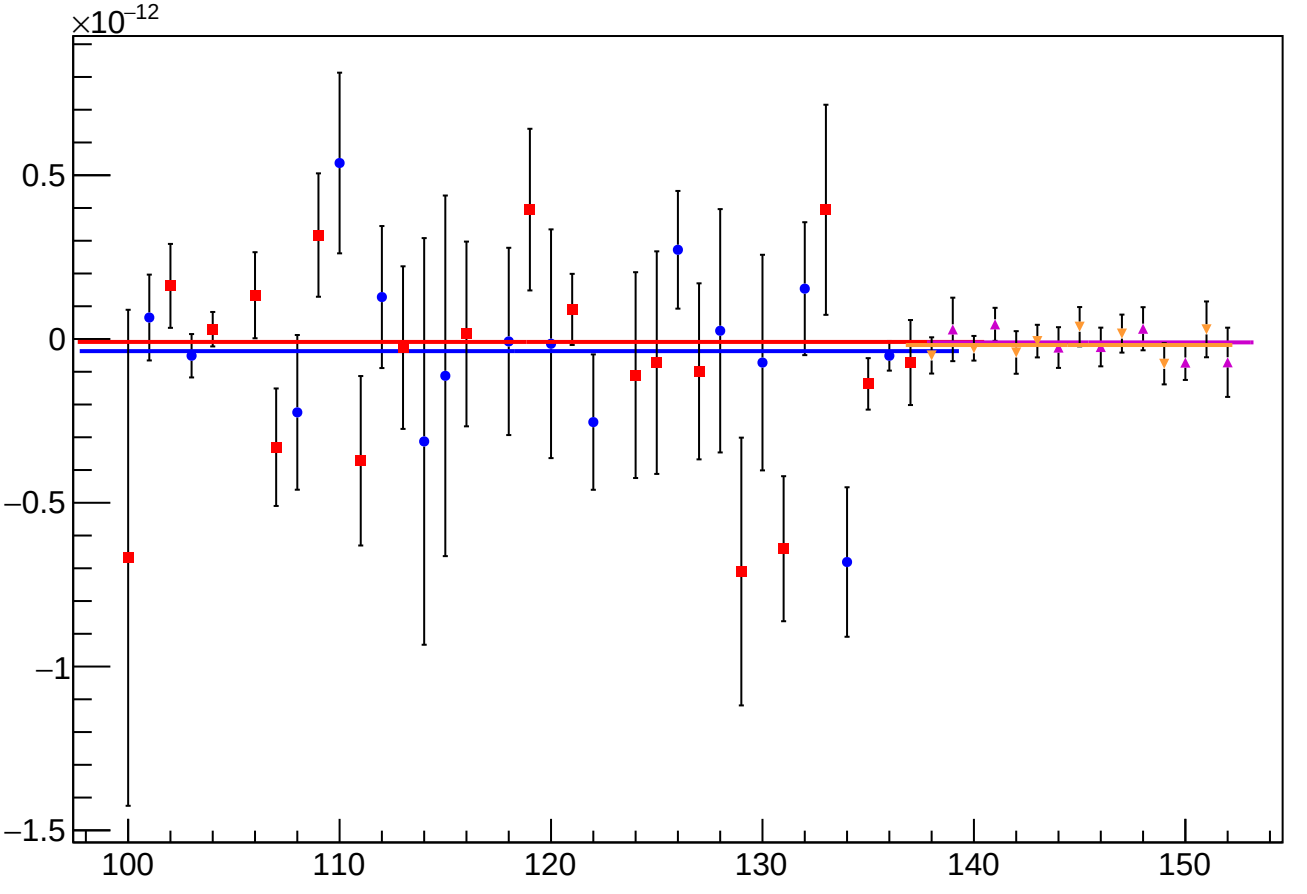
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 248.162+/-0.073 χ^2/NDF:548720.4/6

+ sign 175.948+/-0.037 χ^2/NDF: 4029806.1/23

All: 163.879+/-0.025 χ^2/NDF: 9717684.1/49

- sign 153.819+/-0.034 χ^2/NDF: 5497628.3/25



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/7

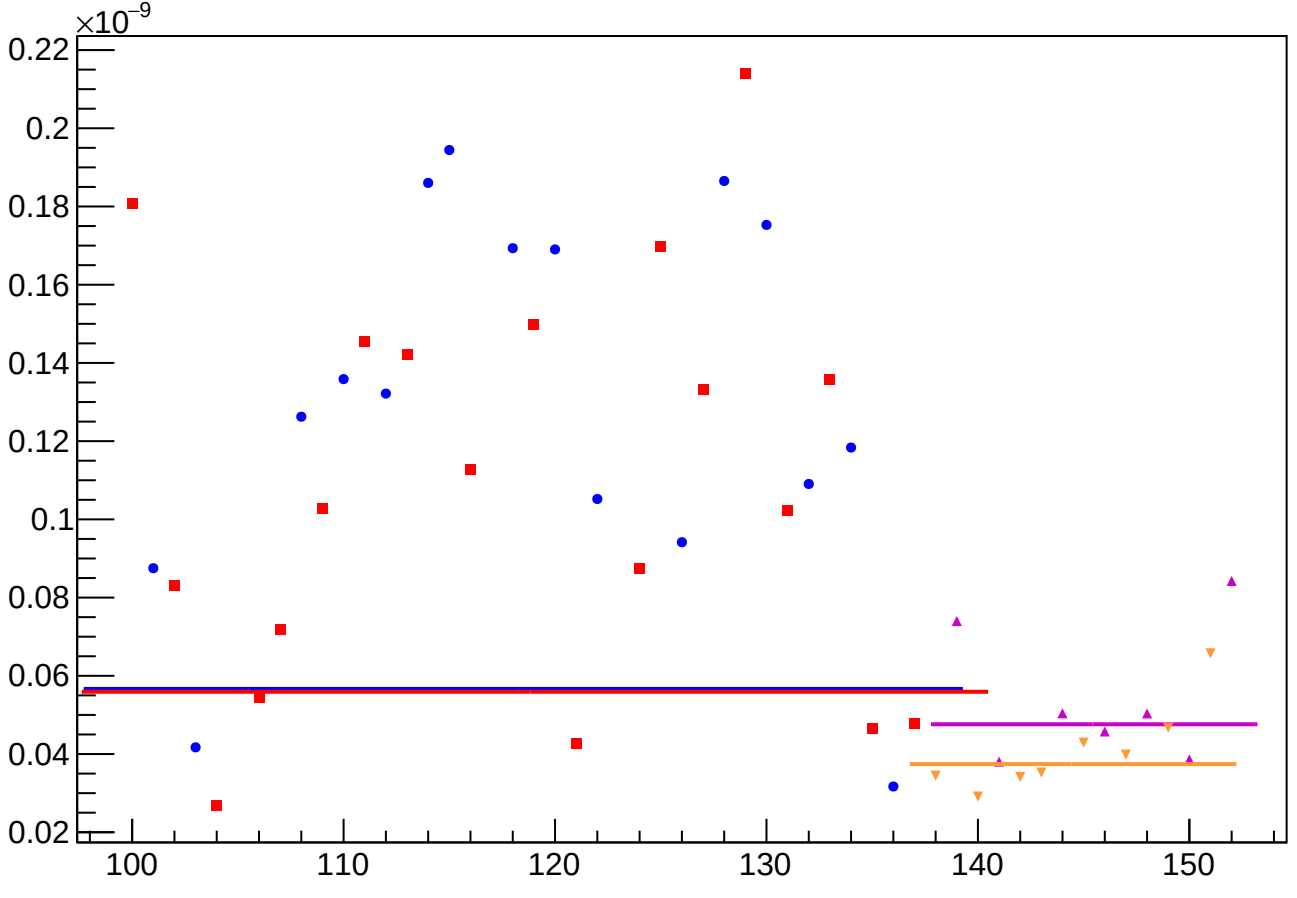
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.7/23

All: -0.000+/-0.000 χ^2/NDF: 58.3/49

- sign -0.000+/-0.000 χ^2/NDF: 35.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:396615.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

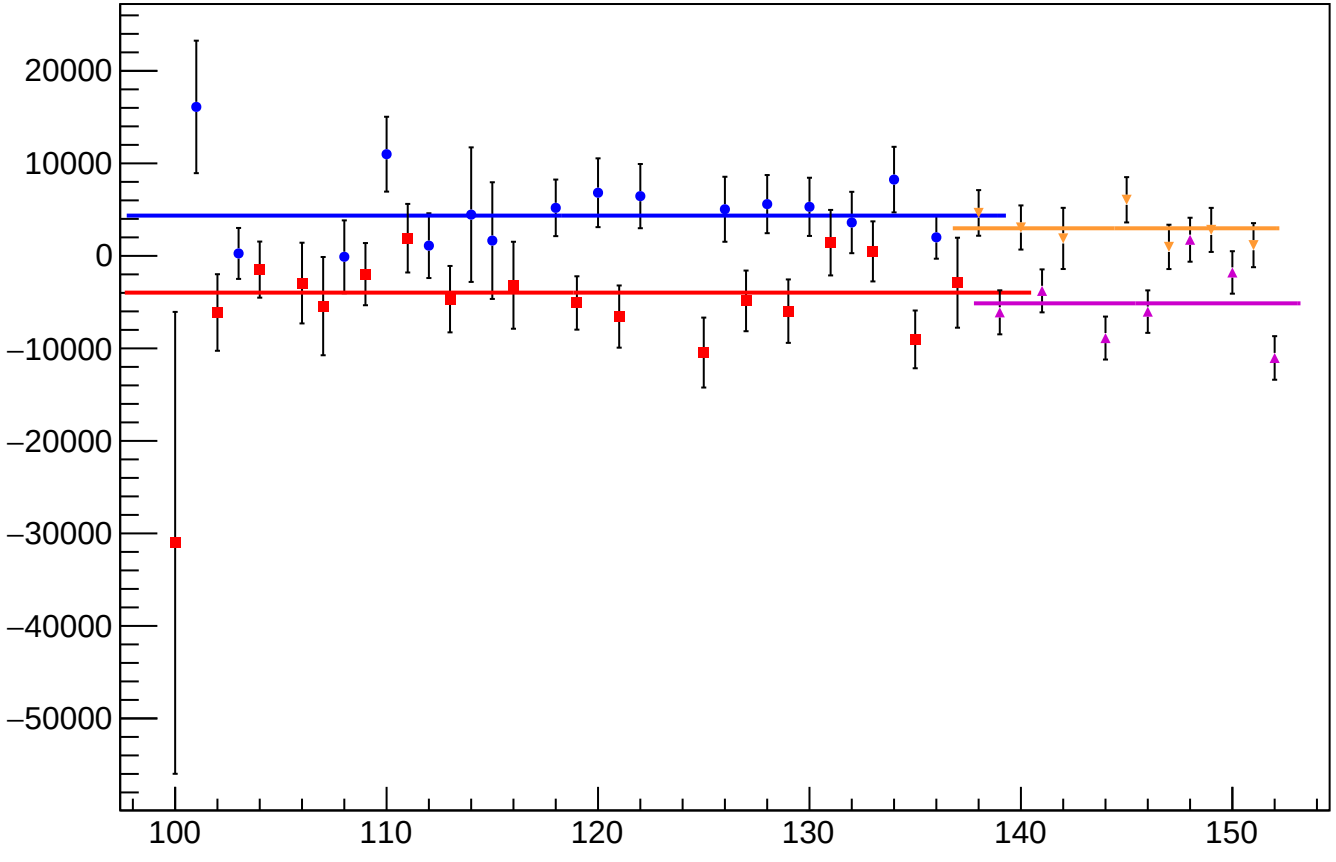
Left In: 0.000+/-0.000 χ^2/NDF:527586.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 4032647.0/23

All: 0.000+/-0.000 χ^2/NDF: 7578379.1/49

- sign 0.000+/-0.000 χ^2/NDF: 3346760.0/25

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 2982.253+/-942.910 χ^2/NDF:3.4/6

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

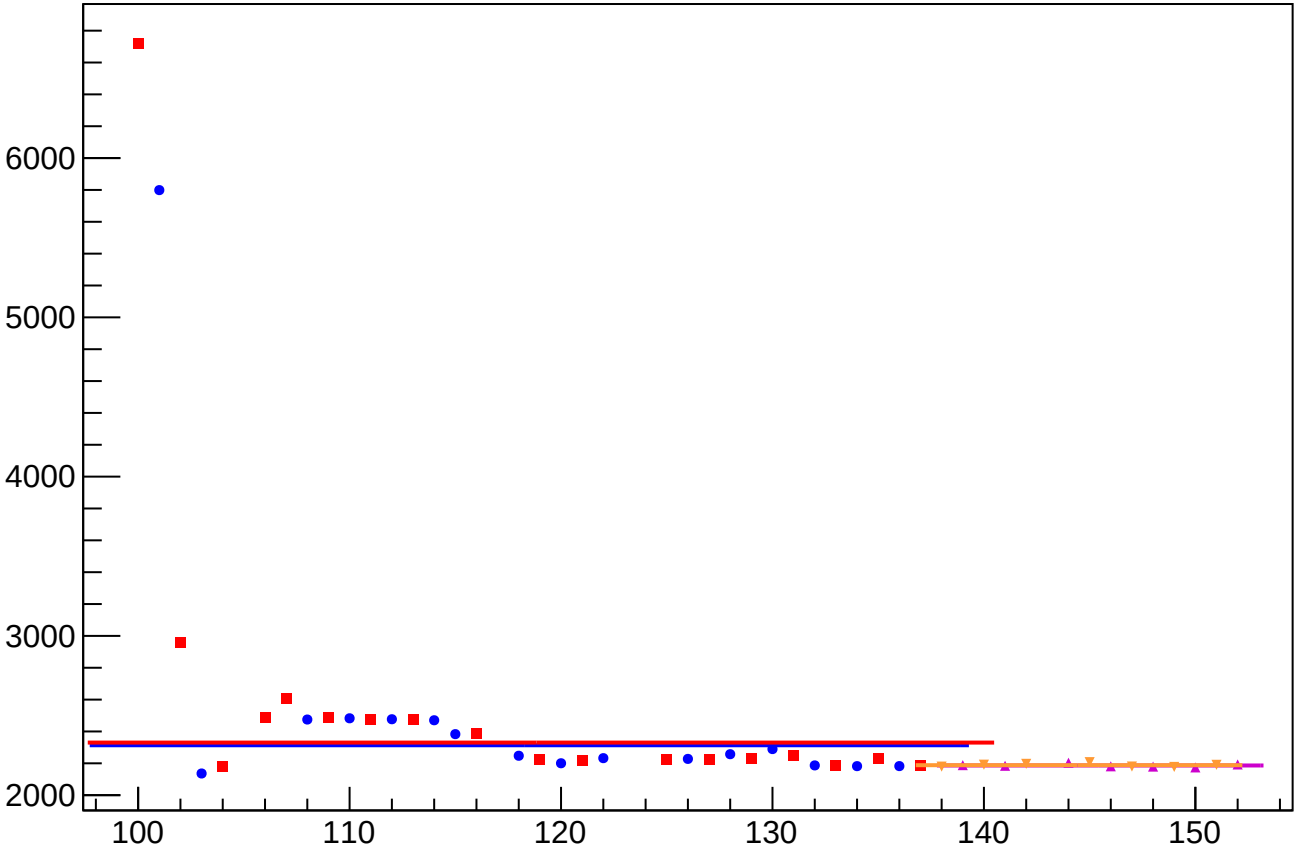
Left In: -5129.701+/-882.430 χ^2/NDF:20.0/6

+ sign 3719.365+/-641.445 χ^2/NDF: 17.9/22

All: -552.407+/-445.795 χ^2/NDF: 140.8/47

- sign -4543.344+/-620.002 χ^2/NDF: 37.1/24

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.232+/-0.667 χ^2/NDF:231.7/6

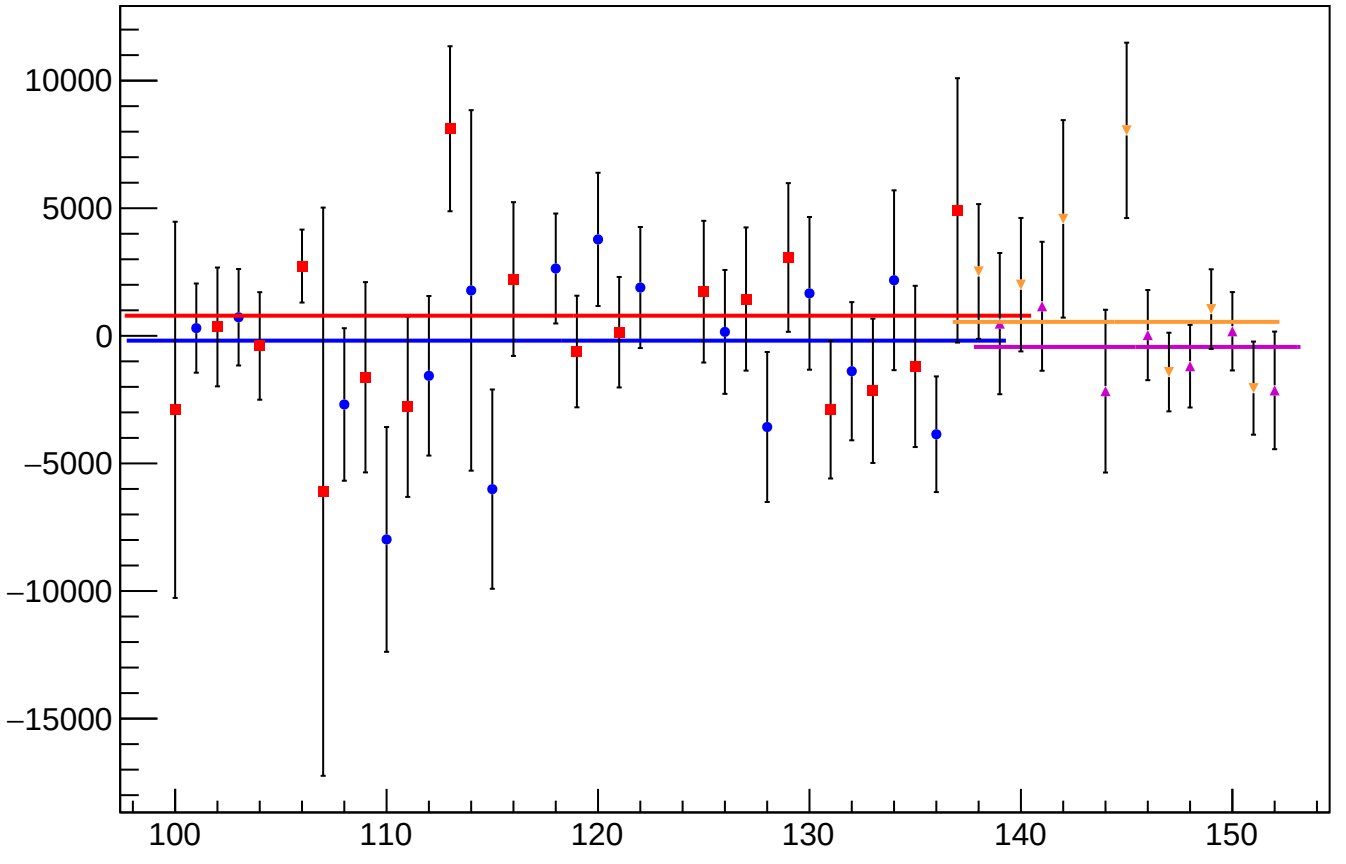
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2186.400+/-0.624 χ^2/NDF:210.9/6

+ sign 2255.482+/-0.454 χ^2/NDF: 531540.6/22

All: 2257.410+/-0.315 χ^2/NDF: 709889.8/47

- sign 2259.213+/-0.438 χ^2/NDF: 178314.2/24



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 546.546+/-797.265 χ^2/NDF:10.5/6

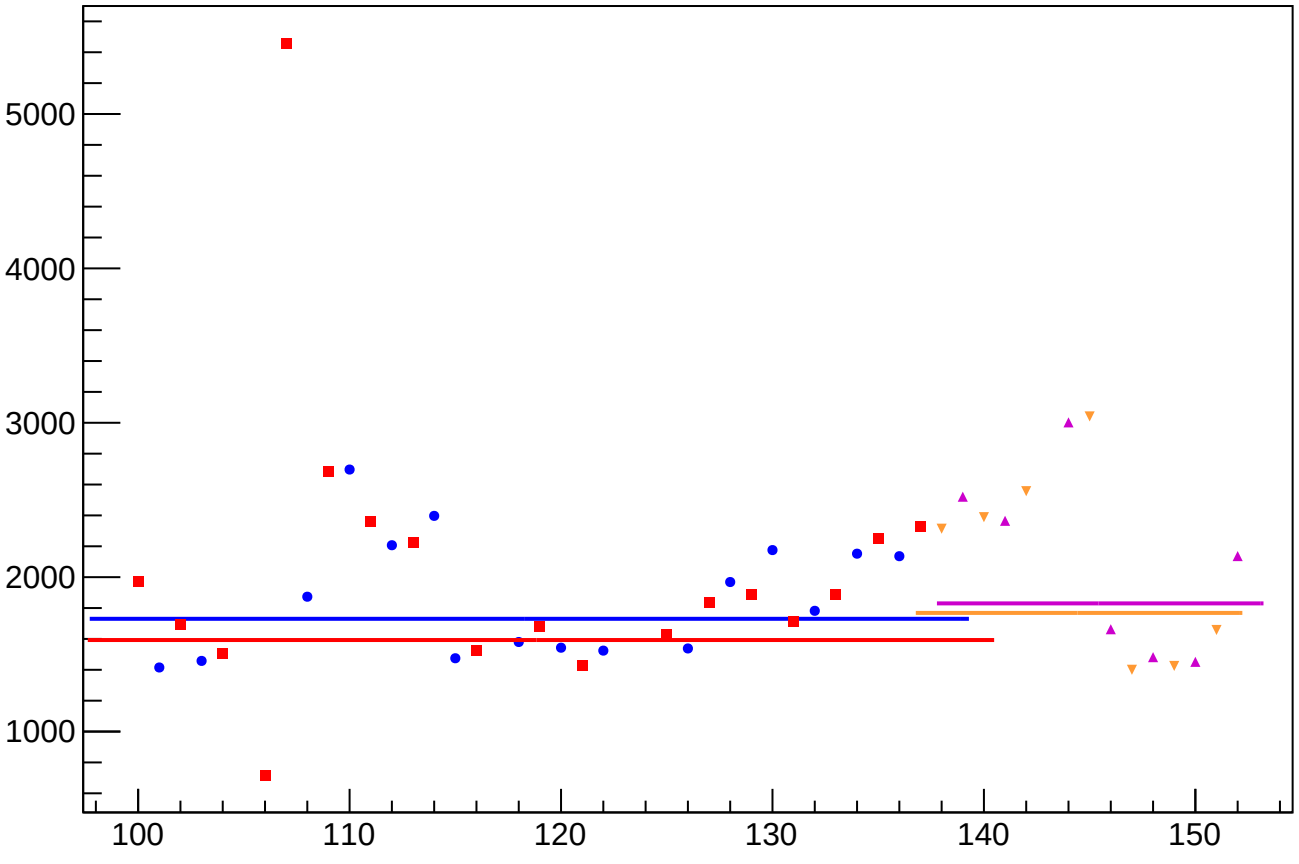
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -435.501+/-766.988 χ^2/NDF:1.8/6

\+ sign 109.404+/-507.637 χ^2/NDF: 27.4/22

All: 203.737+/-352.208 χ^2/NDF: 45.7/47

\- sign 291.297+/-489.076 χ^2/NDF: 18.2/24



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1768.441+/-0.564 χ^2/NDF:773649.9/6

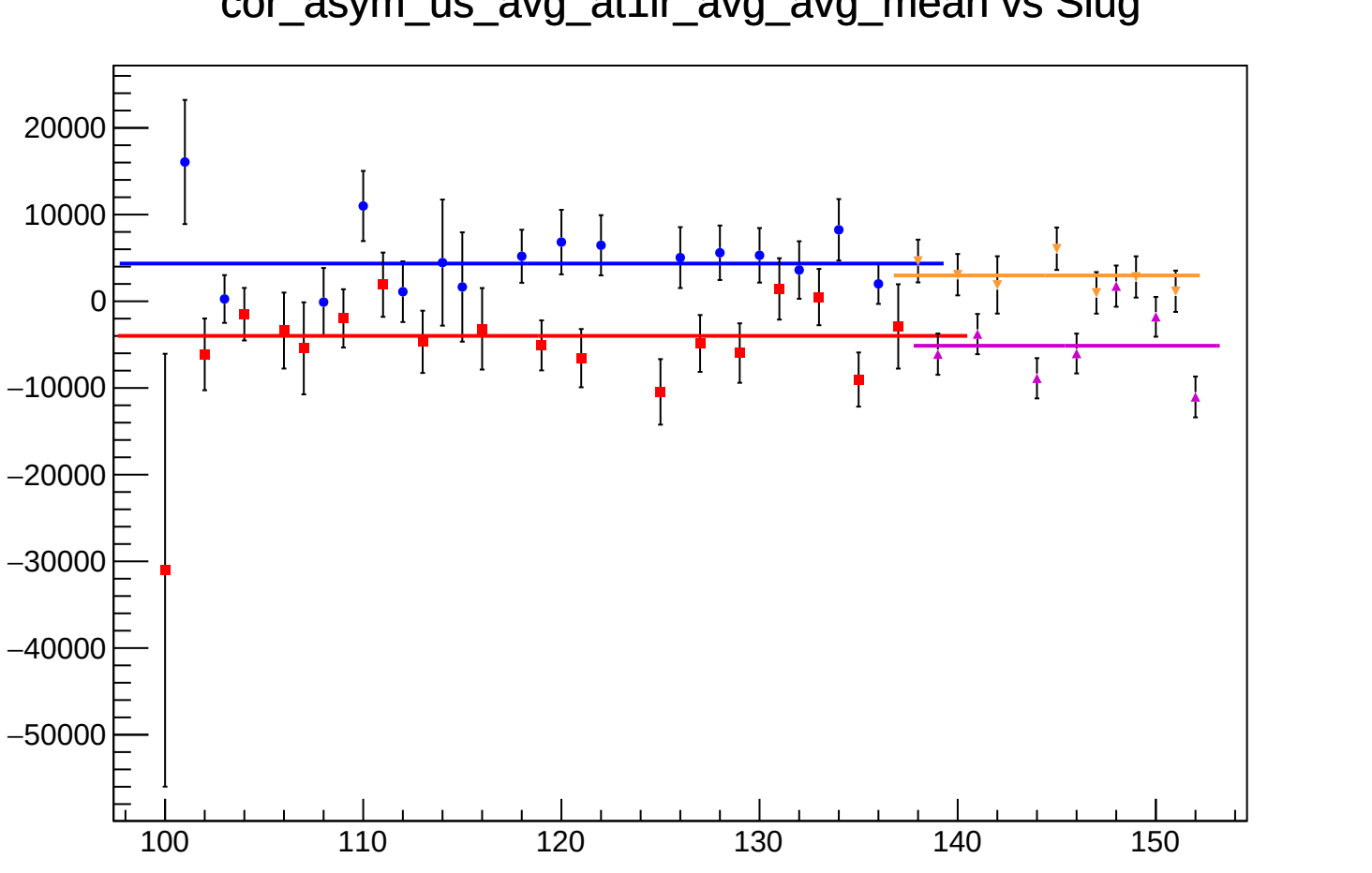
Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1830.168+/-0.542 χ^2/NDF:752201.6/6

+ sign 1745.755+/-0.359 χ^2/NDF: 1255305.2/22

All: 1716.492+/-0.249 χ^2/NDF: 3690171.6/47

- sign 1689.330+/-0.346 χ^2/NDF: 2422051.3/24



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 2982.063+/-942.910 χ^2/NDF:3.4/6

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

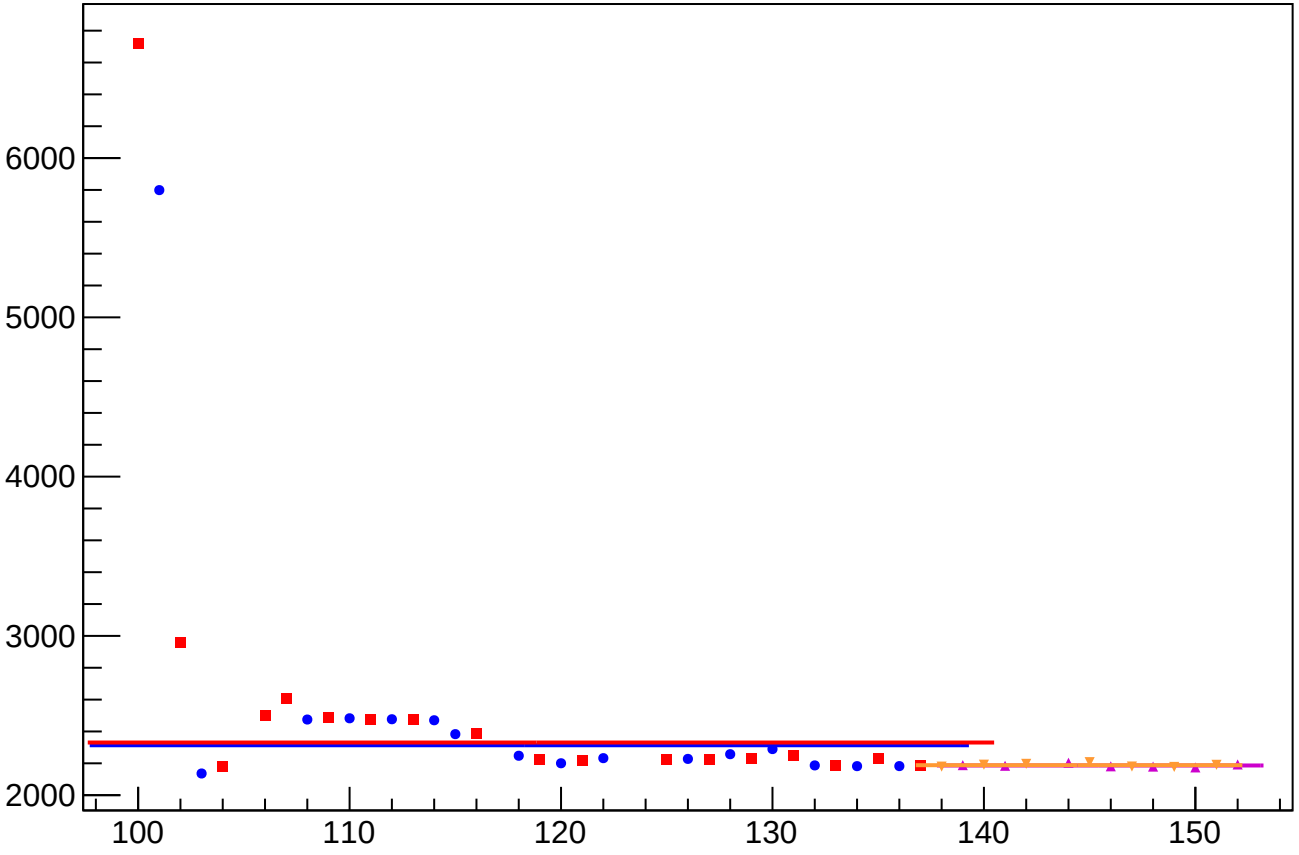
Left In: -5130.028+/-882.431 χ^2/NDF:20.0/6

+ sign 3718.912+/-641.445 χ^2/NDF: 17.9/22

All: -557.165+/-445.816 χ^2/NDF: 140.9/47

- sign -4552.822+/-620.056 χ^2/NDF: 37.0/24

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.232+/-0.667 χ^2/NDF:231.7/6

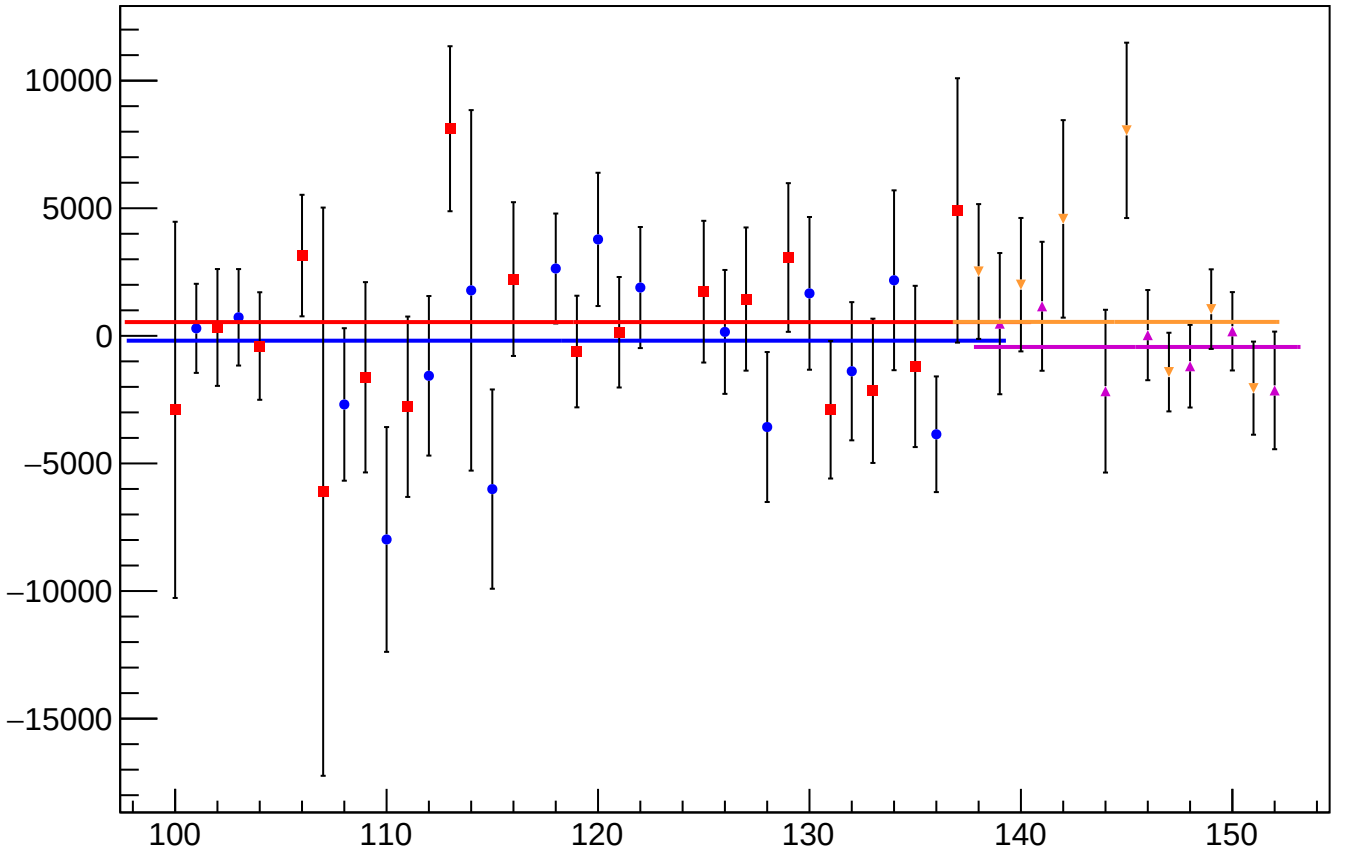
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.400+/-0.624 χ^2/NDF:210.9/6

+ sign 2255.481+/-0.454 χ^2/NDF: 531541.1/22

All: 2257.501+/-0.315 χ^2/NDF: 710373.4/47

- sign 2259.387+/-0.438 χ^2/NDF: 178794.0/24



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 546.142+/-797.261 χ^2/NDF:10.5/6

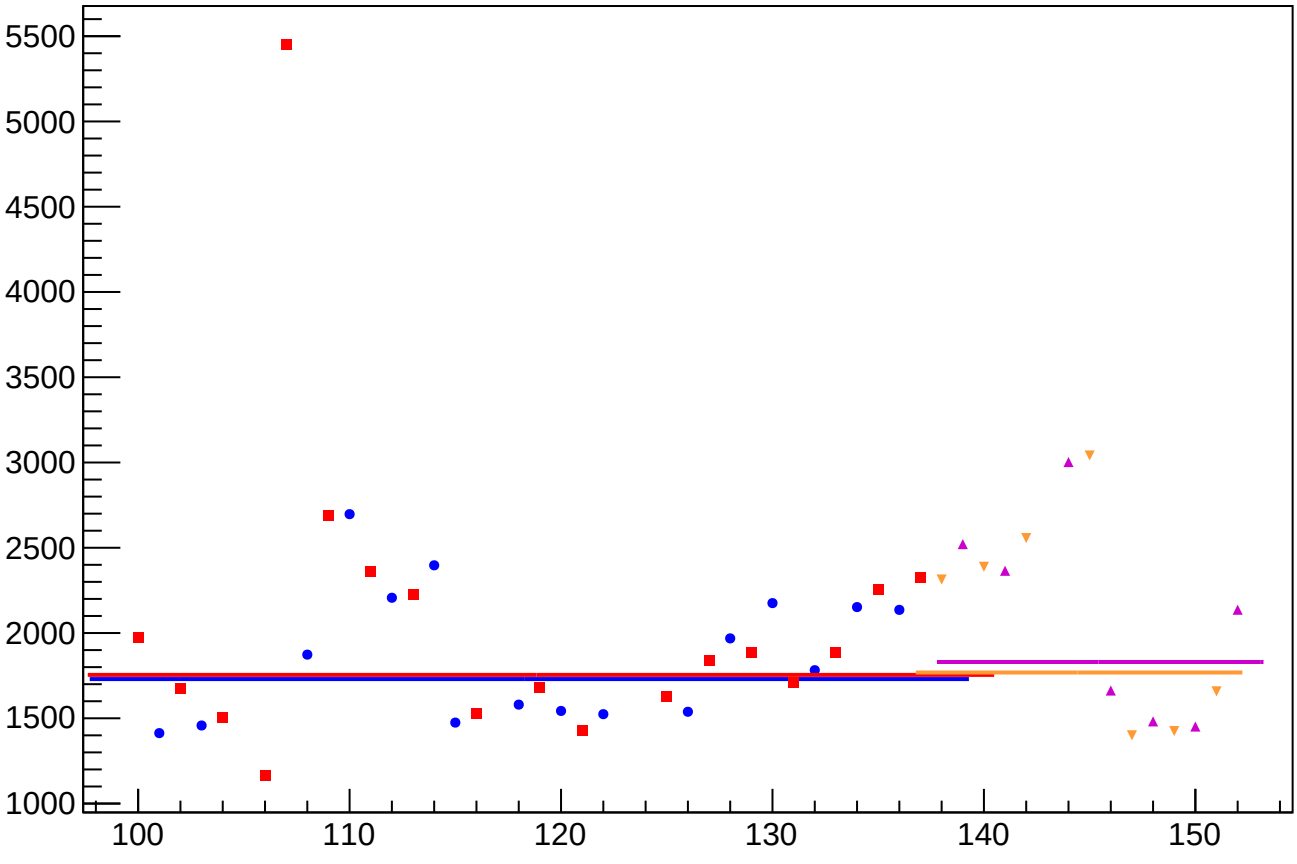
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -435.623+/-766.990 χ^2/NDF:1.8/6

+ sign 108.517+/-507.577 χ^2/NDF: 27.4/22

All: 110.068+/-359.086 χ^2/NDF: 44.0/47

- sign 111.622+/-508.071 χ^2/NDF: 16.6/24



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1768.432+/-0.564 χ^2/NDF:773646.6/6

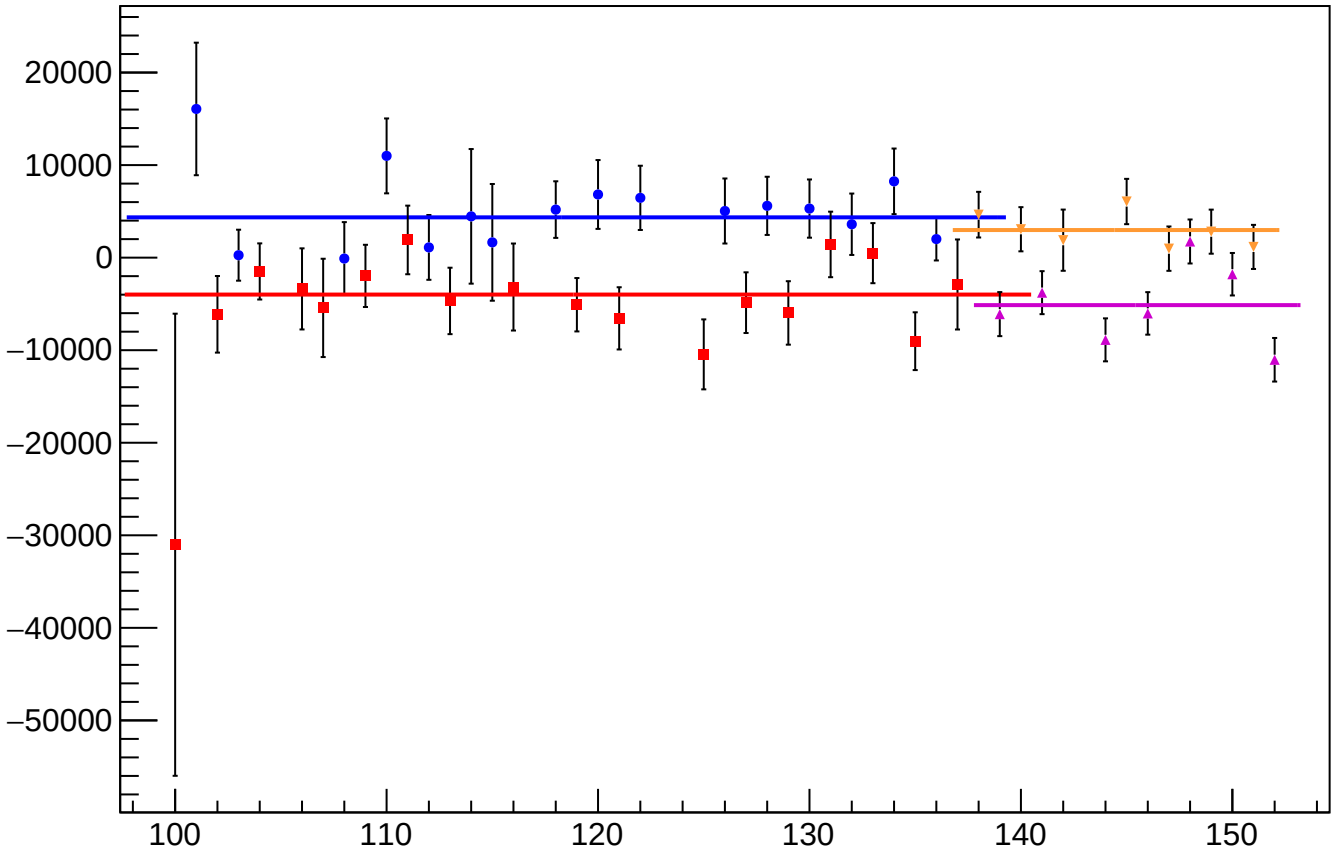
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1830.172+/-0.542 χ^2/NDF:752206.9/6

+ sign 1745.517+/-0.359 χ^2/NDF: 1256323.2/22

All: 1766.598+/-0.254 χ^2/NDF: 2777364.5/47

- sign 1787.720+/-0.359 χ^2/NDF: 1514134.7/24



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 2982.063+/-942.910 χ^2/NDF:3.4/6

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

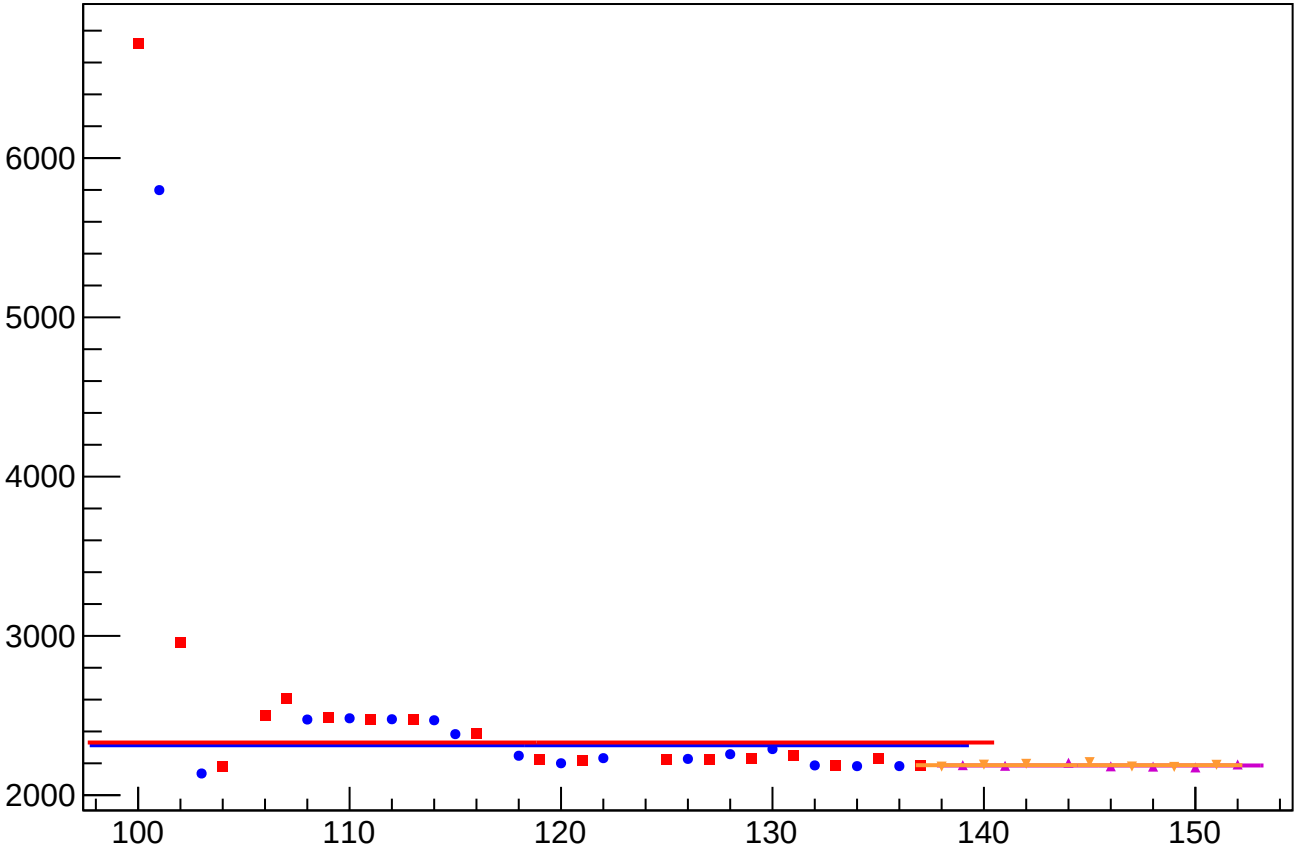
Left In: -5130.028+/-882.431 χ^2/NDF:20.0/6

+ sign 3718.912+/-641.445 χ^2/NDF: 17.9/22

All: -557.165+/-445.816 χ^2/NDF: 140.9/47

- sign -4552.822+/-620.056 χ^2/NDF: 37.0/24

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.232+/-0.667 χ^2/NDF:231.7/6

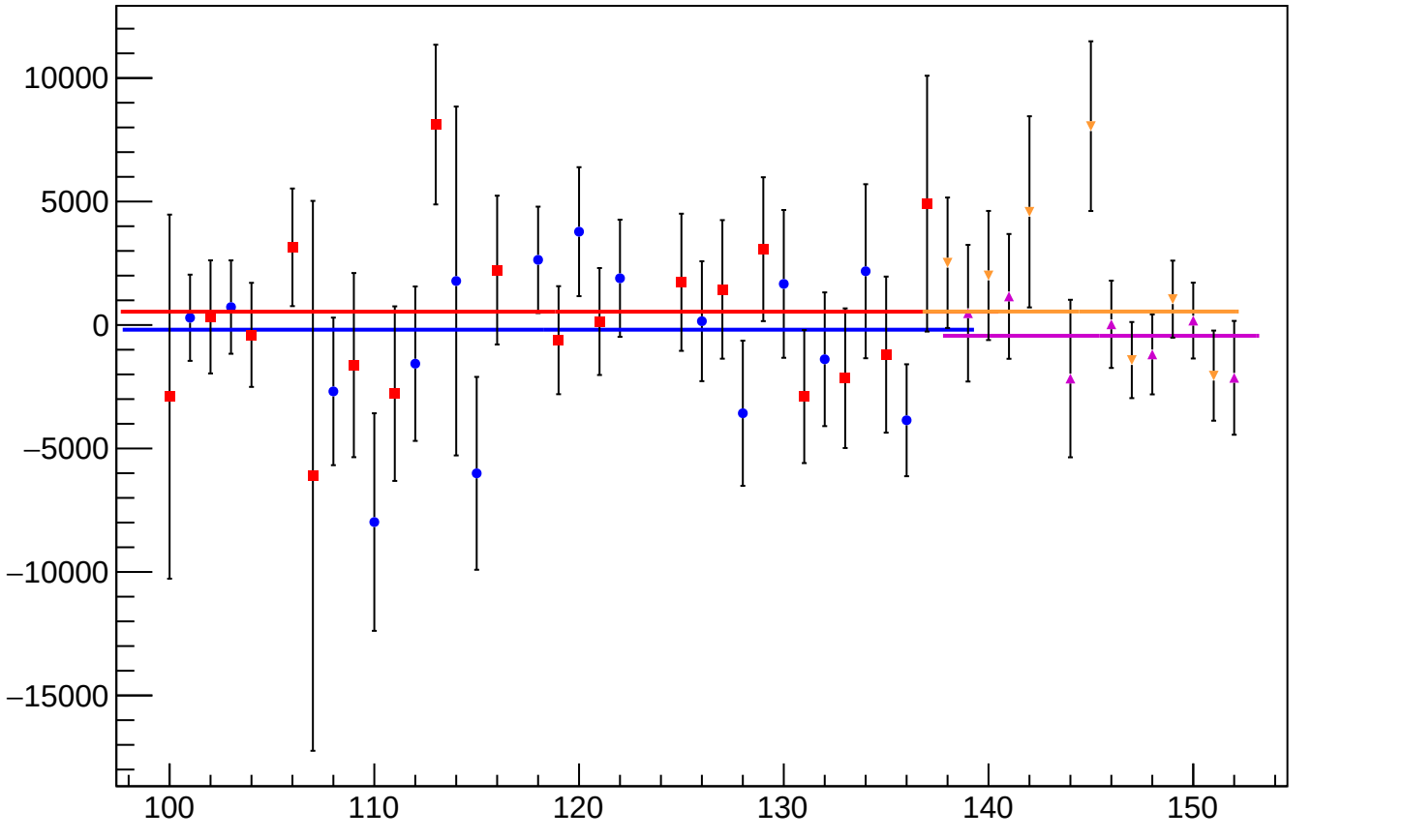
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.400+/-0.624 χ^2/NDF:210.9/6

+ sign 2255.481+/-0.454 χ^2/NDF: 531541.1/22

All: 2257.501+/-0.315 χ^2/NDF: 710373.4/47

- sign 2259.387+/-0.438 χ^2/NDF: 178794.0/24



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 546.142+/-797.261 χ^2/NDF:10.5/6

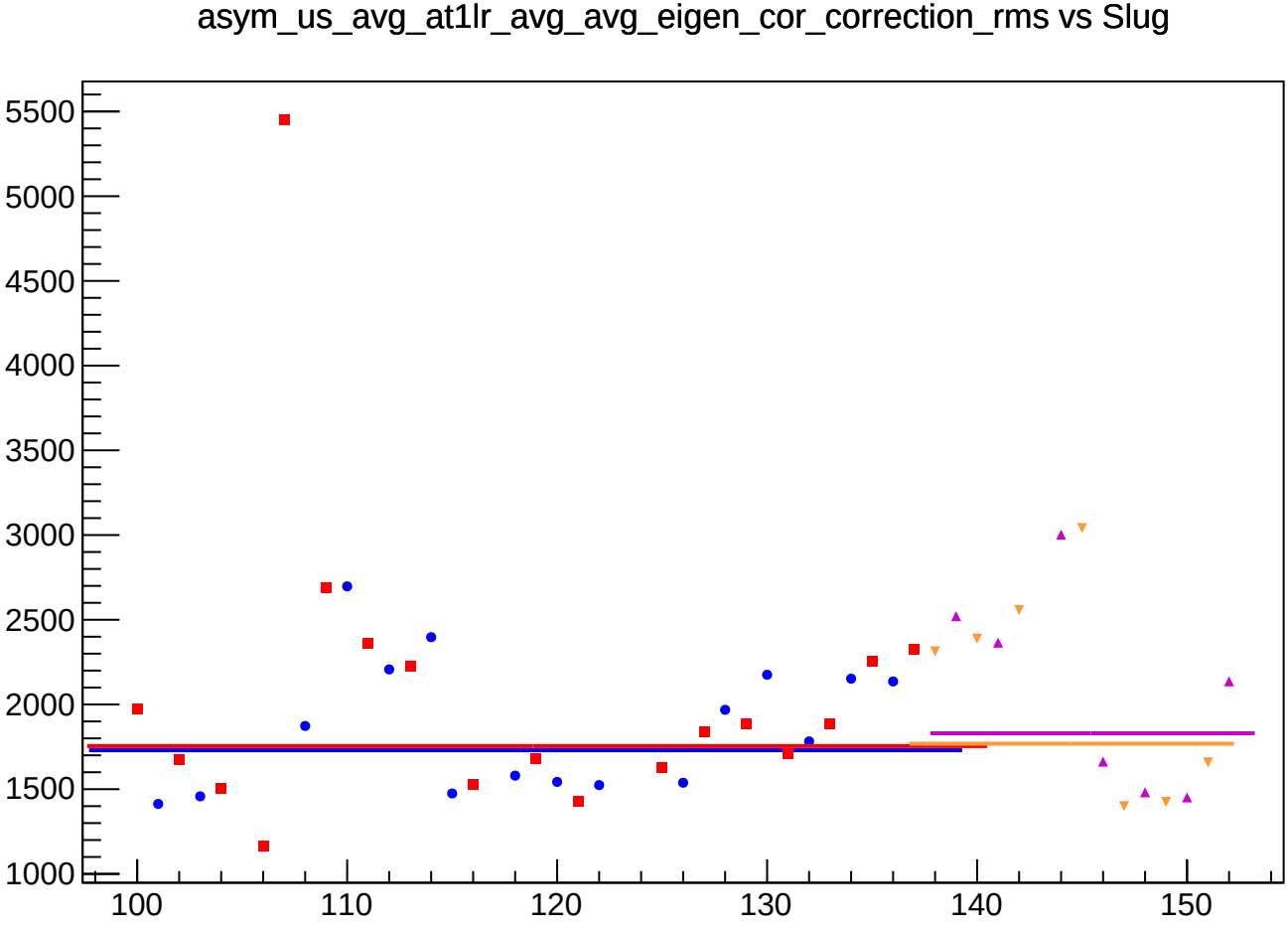
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -435.623+/-766.990 χ^2/NDF:1.8/6

+ sign 108.517+/-507.577 χ^2/NDF: 27.4/22

All: 110.068+/-359.086 χ^2/NDF: 44.0/47

- sign 111.622+/-508.071 χ^2/NDF: 16.6/24



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1768.432+/-0.564 χ^2/NDF:773646.6/6

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

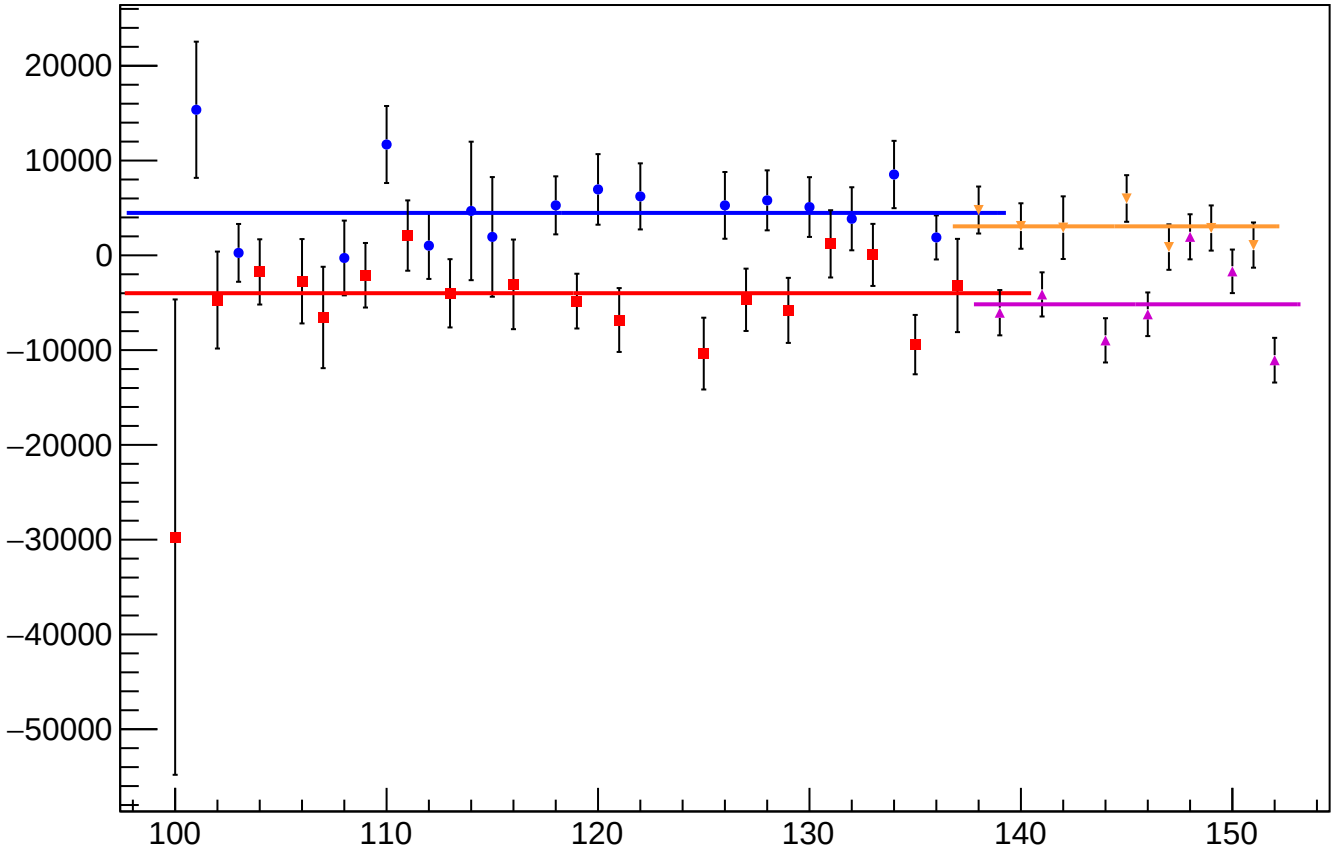
Left In: 1830.172+/-0.542 χ^2/NDF:752206.9/6

+ sign 1745.517+/-0.359 χ^2/NDF: 1256323.2/22

All: 1766.598+/-0.254 χ^2/NDF: 2777364.5/47

- sign 1787.720+/-0.359 χ^2/NDF: 1514134.7/24

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3058.120+/-945.539 χ^2/NDF:3.4/6

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

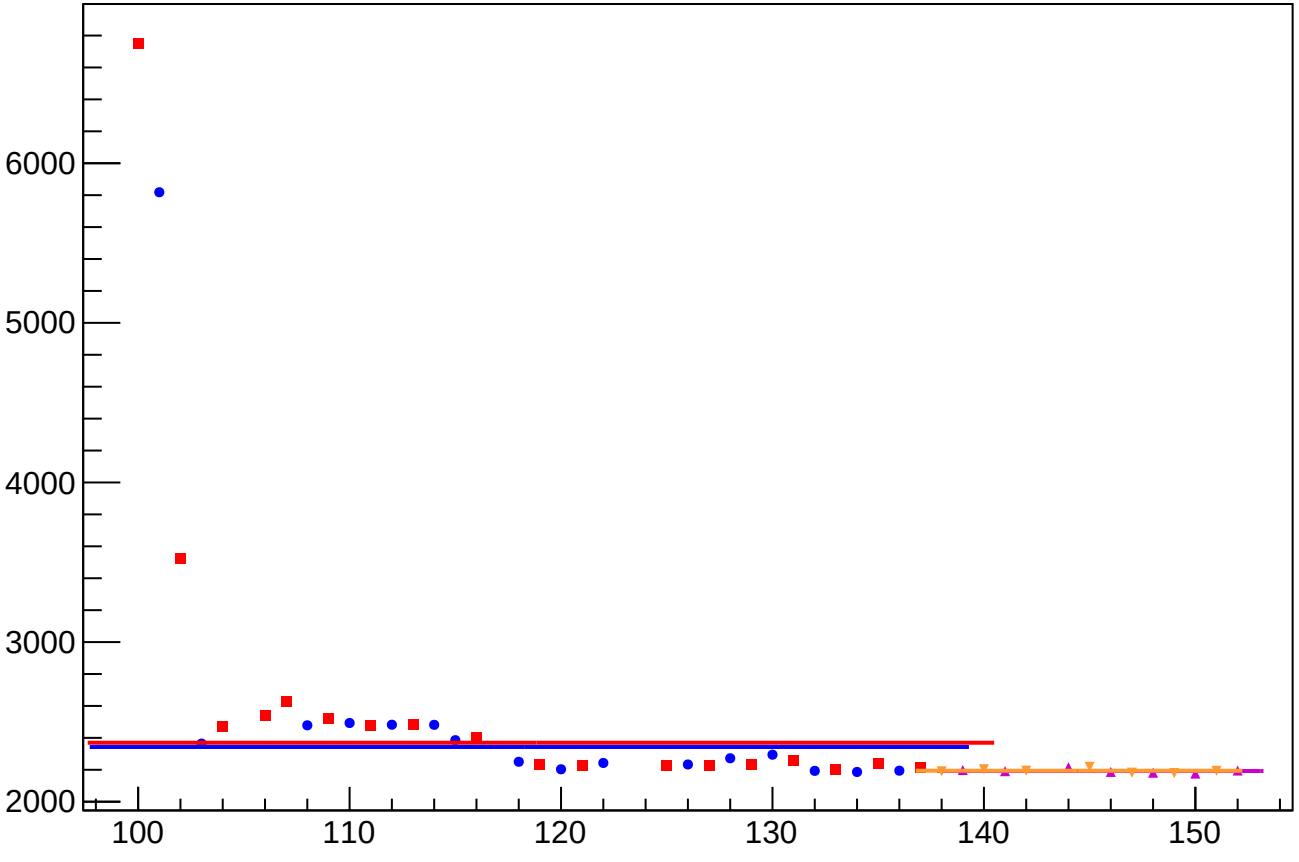
Left In: -5168.124+/-884.867 χ^2/NDF:20.7/6

+ sign 3813.264+/-646.555 χ^2/NDF: 18.2/22

All: -510.727+/-450.353 χ^2/NDF: 142.1/47

- sign -4585.646+/-627.657 χ^2/NDF: 37.1/24

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.161+/-0.669 χ^2/NDF:354.0/6

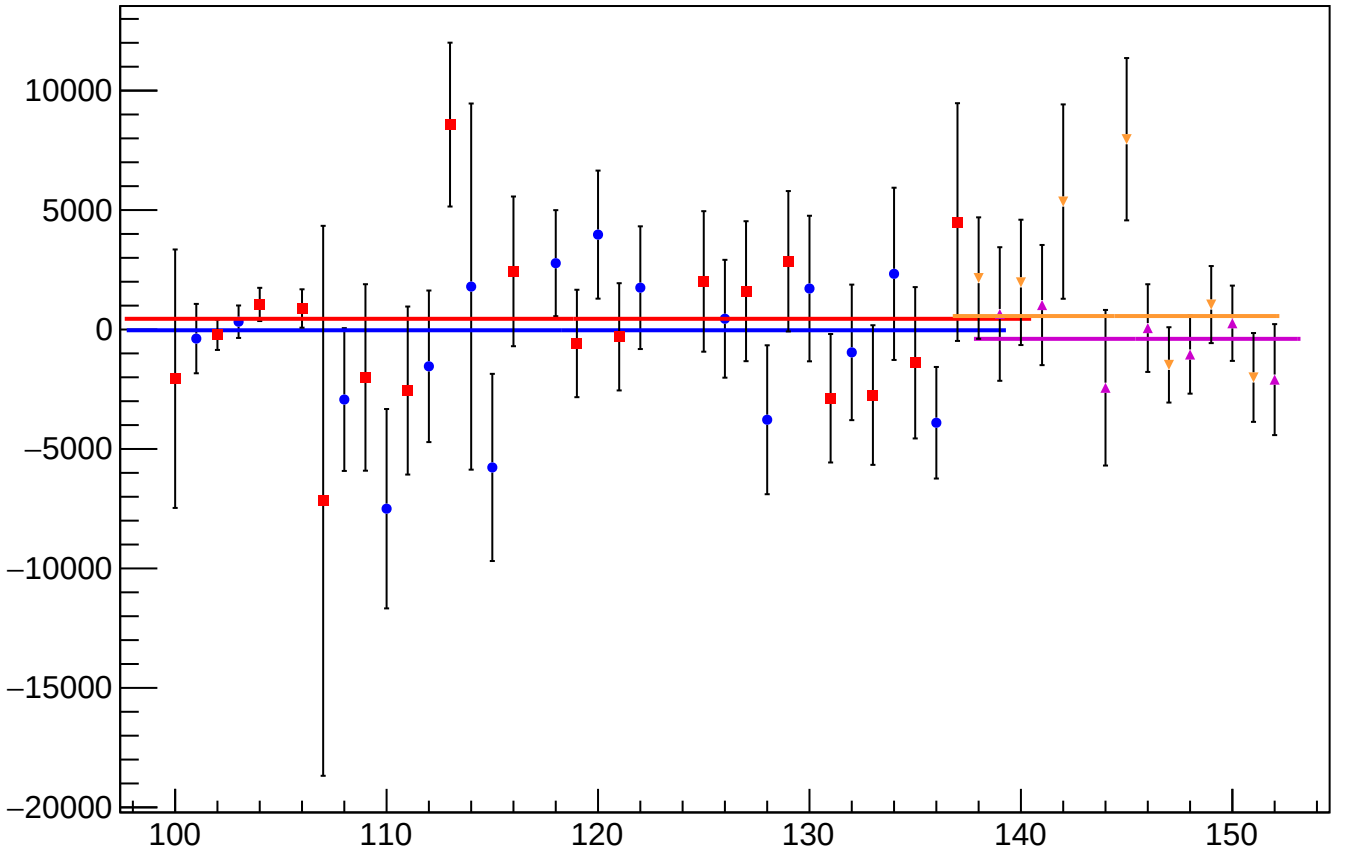
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.312+/-0.626 χ^2/NDF:373.7/6

+ sign 2273.361+/-0.457 χ^2/NDF: 529575.2/22

All: 2276.978+/-0.318 χ^2/NDF: 780095.9/47

- sign 2280.386+/-0.444 χ^2/NDF: 250399.1/24



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 563.804+/-810.208 χ^2/NDF:10.5/6

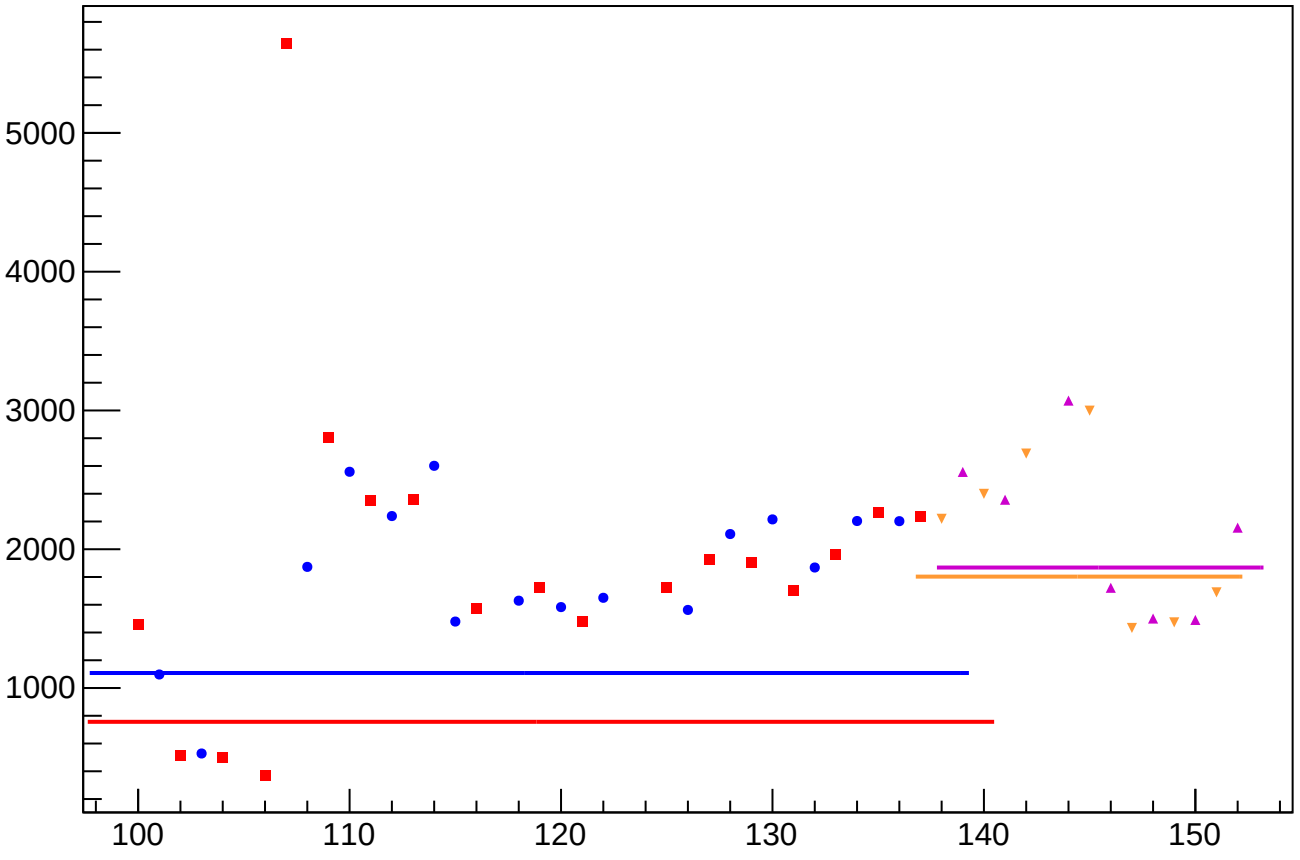
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -390.502+/-781.390 χ^2/NDF:1.8/6

\+ sign 125.780+/-416.346 χ^2/NDF: 27.2/22

All: 232.852+/-258.081 χ^2/NDF: 45.1/47

\- sign 299.666+/-328.890 χ^2/NDF: 17.8/24



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1802.714+/-0.573 χ^2/NDF:701185.1/6

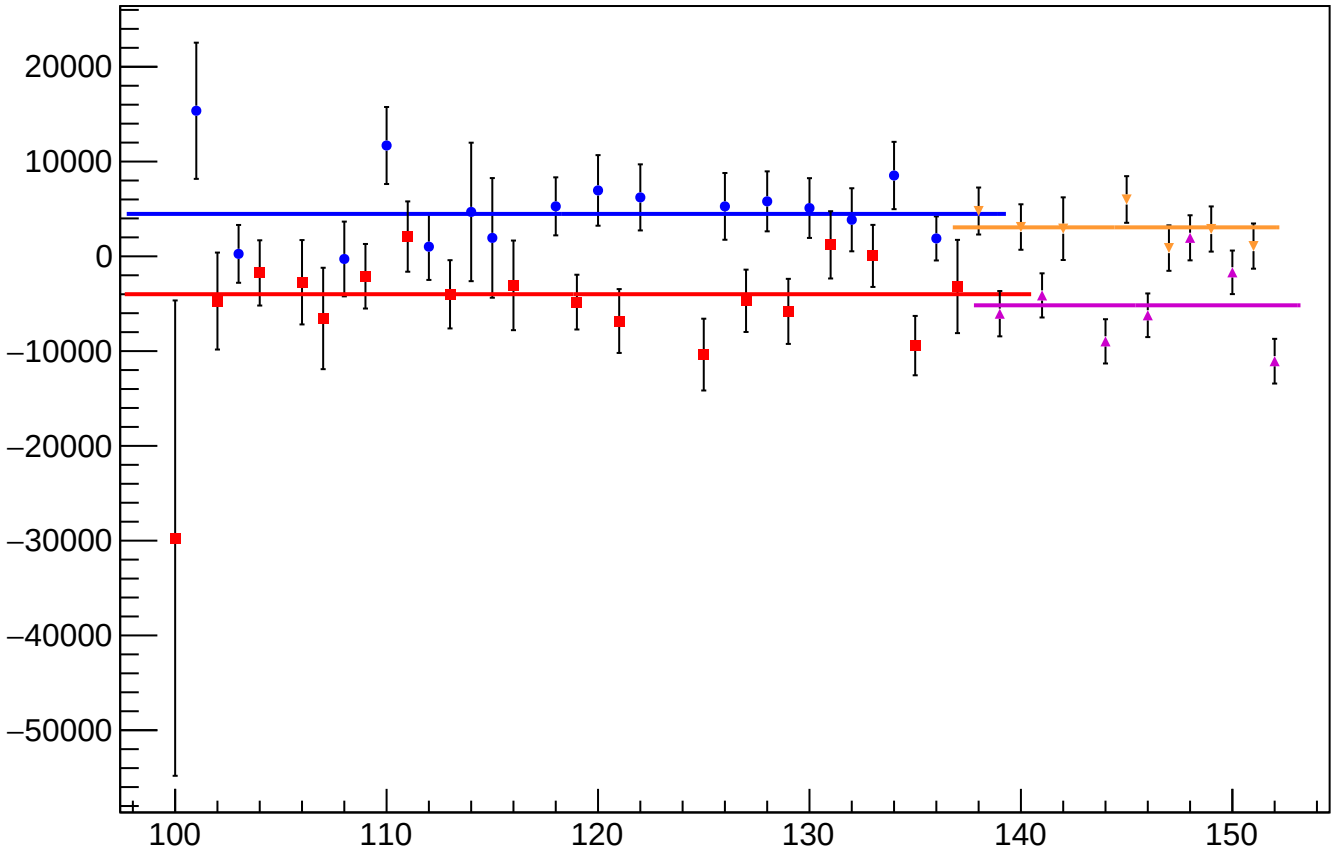
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1868.154+/-0.553 χ^2/NDF:728613.8/6

+ sign 1291.555+/-0.294 χ^2/NDF: 5529378.0/22

All: 1083.316+/-0.182 χ^2/NDF: 16005015.7/4

- sign 953.373+/-0.233 χ^2/NDF: 9663121.7/24



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3058.123+/-945.539 χ^2/NDF:3.4/6

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

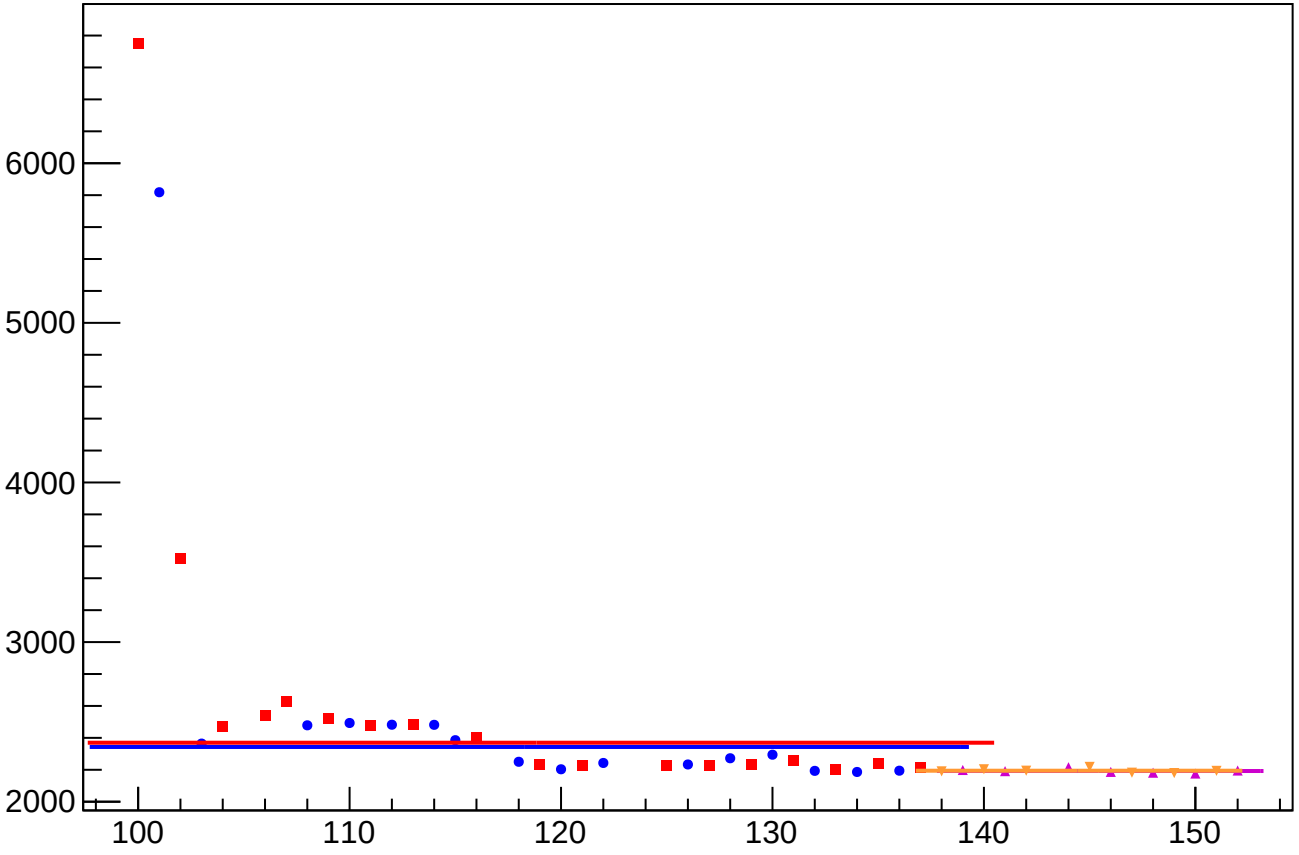
Left In: -5168.126+/-884.867 χ^2/NDF:20.7/6

+ sign 3813.263+/-646.554 χ^2/NDF: 18.2/22

All: -510.727+/-450.353 χ^2/NDF: 142.1/47

- sign -4585.645+/-627.657 χ^2/NDF: 37.1/24

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: 2194.161+/-0.669 χ^2/NDF:354.0/6

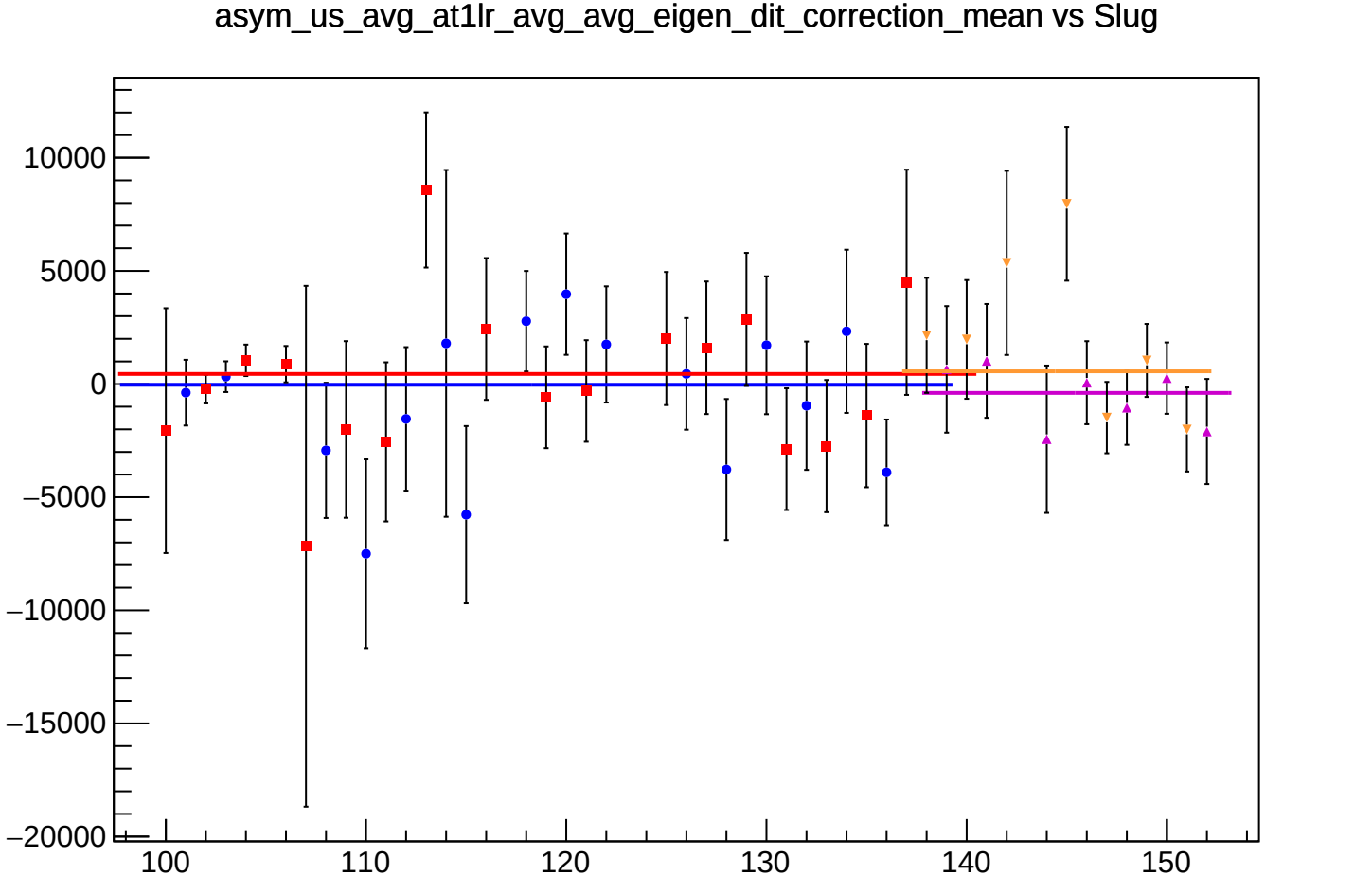
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.312+/-0.626 χ^2/NDF:373.7/6

+ sign 2273.360+/-0.457 χ^2/NDF: 529575.1/22

All: 2276.977+/-0.318 χ^2/NDF: 780094.4/47

- sign 2280.386+/-0.444 χ^2/NDF: 250397.8/24



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 563.800+/-810.209 χ^2/NDF:10.5/6

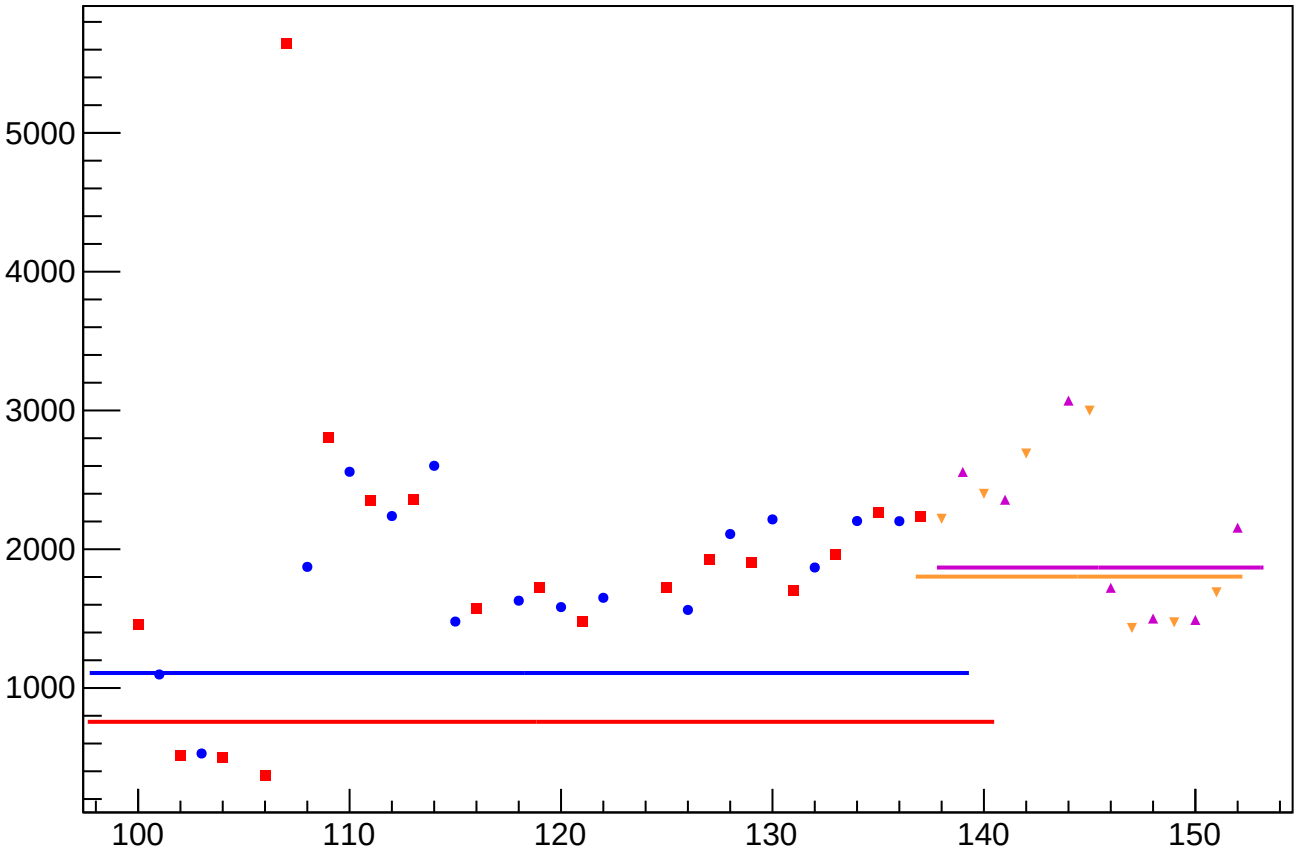
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -390.504+/-781.392 χ^2/NDF:1.8/6

+ sign 125.775+/-416.348 χ^2/NDF: 27.2/22

All: 232.850+/-258.083 χ^2/NDF: 45.1/47

- sign 299.666+/-328.893 χ^2/NDF: 17.8/24



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1802.717+/-0.573 χ^2/NDF:701185.2/6

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

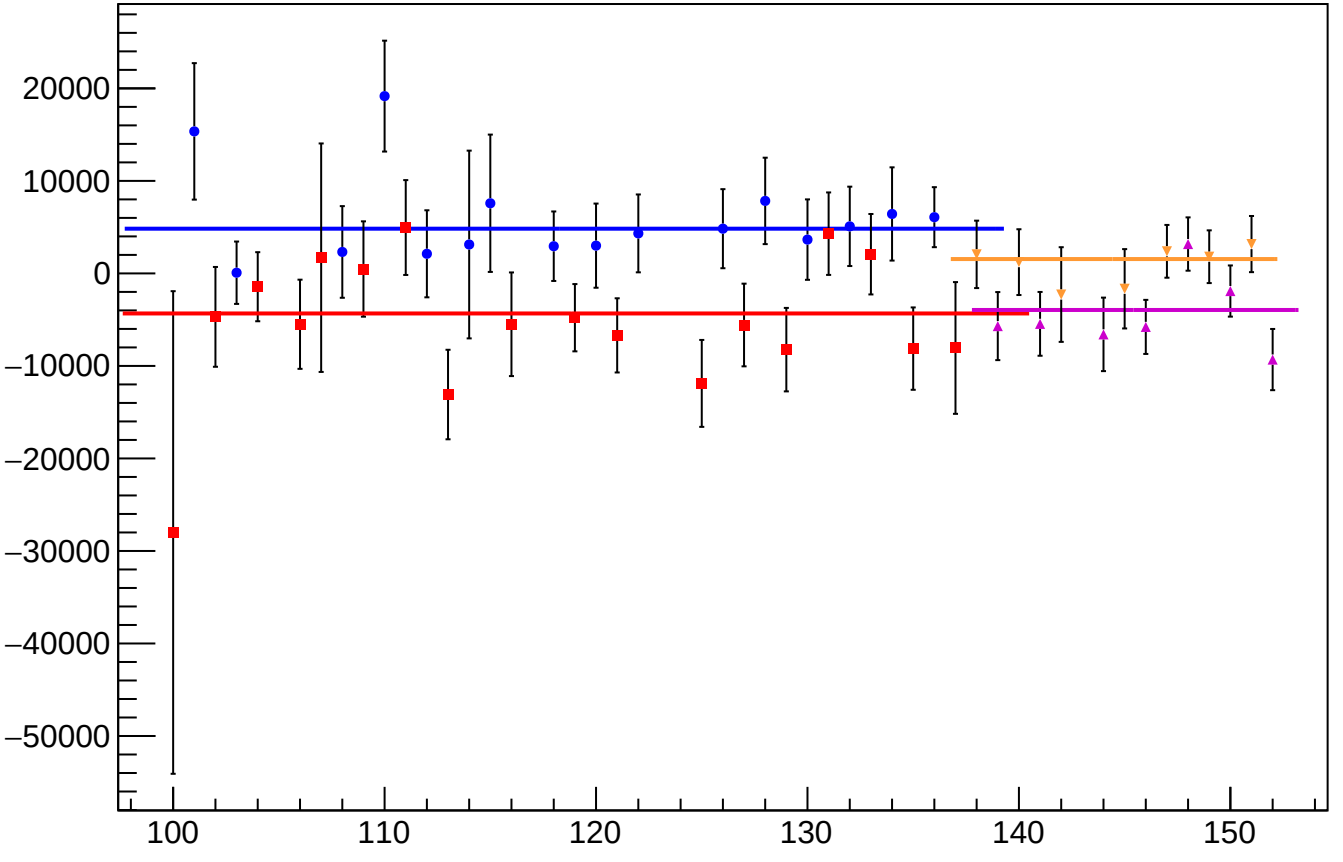
Left In: 1868.158+/-0.553 χ^2/NDF:728613.2/6

+ sign 1291.564+/-0.294 χ^2/NDF: 5529276.3/22

All: 1083.331+/-0.182 χ^2/NDF: 16004651.6/4

- sign 953.390+/-0.233 χ^2/NDF: 9662907.3/24

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 1552.210+/-1289.208 χ^2/NDF:1.5/6

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

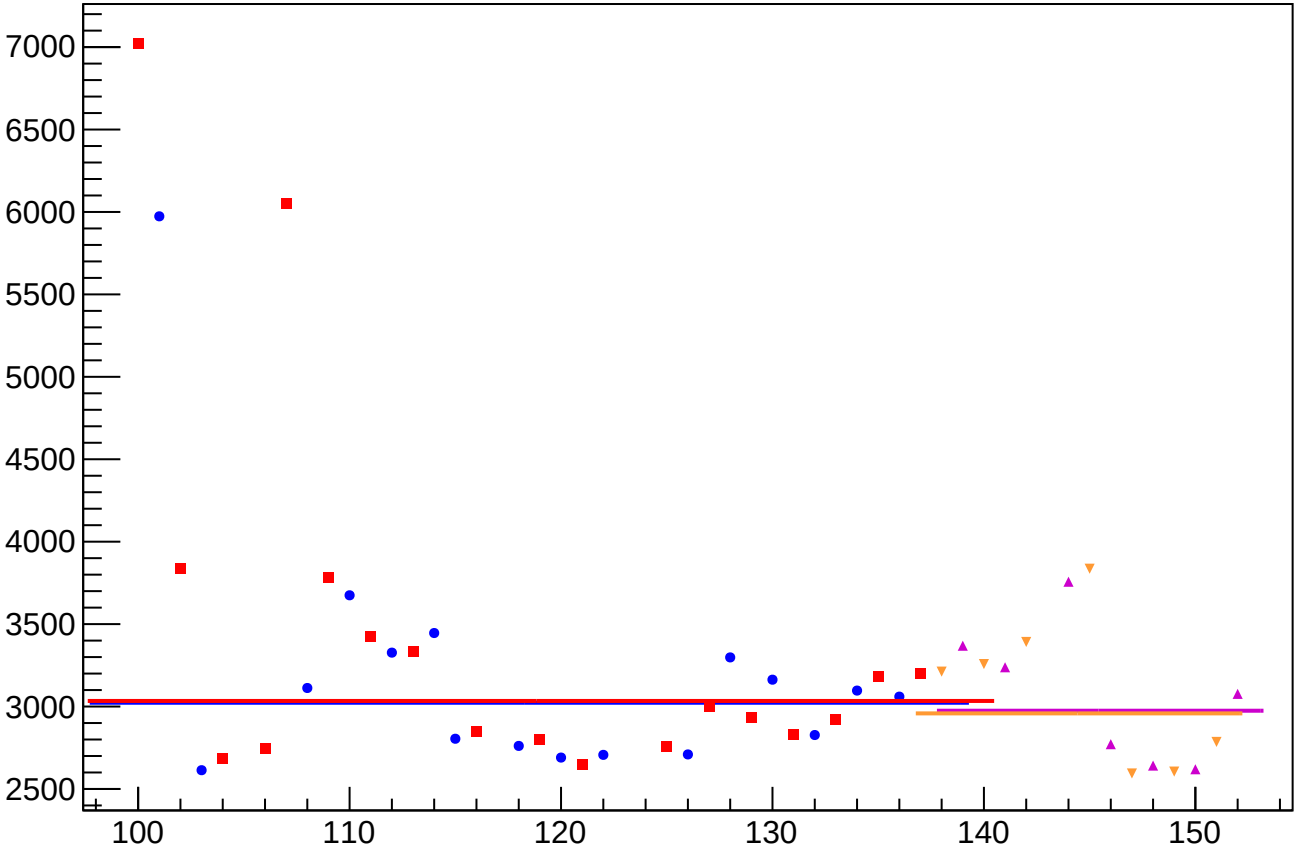
Left In: -3952.168+/-1211.703 χ^2/NDF:10.5/6

+ sign 3390.224+/-855.069 χ^2/NDF: 16.8/22

All: -483.345+/-596.318 χ^2/NDF: 87.3/47

- sign -4151.105+/-832.044 χ^2/NDF: 30.5/24

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 2958.416+/-0.912 χ^2/NDF:191791.6/6

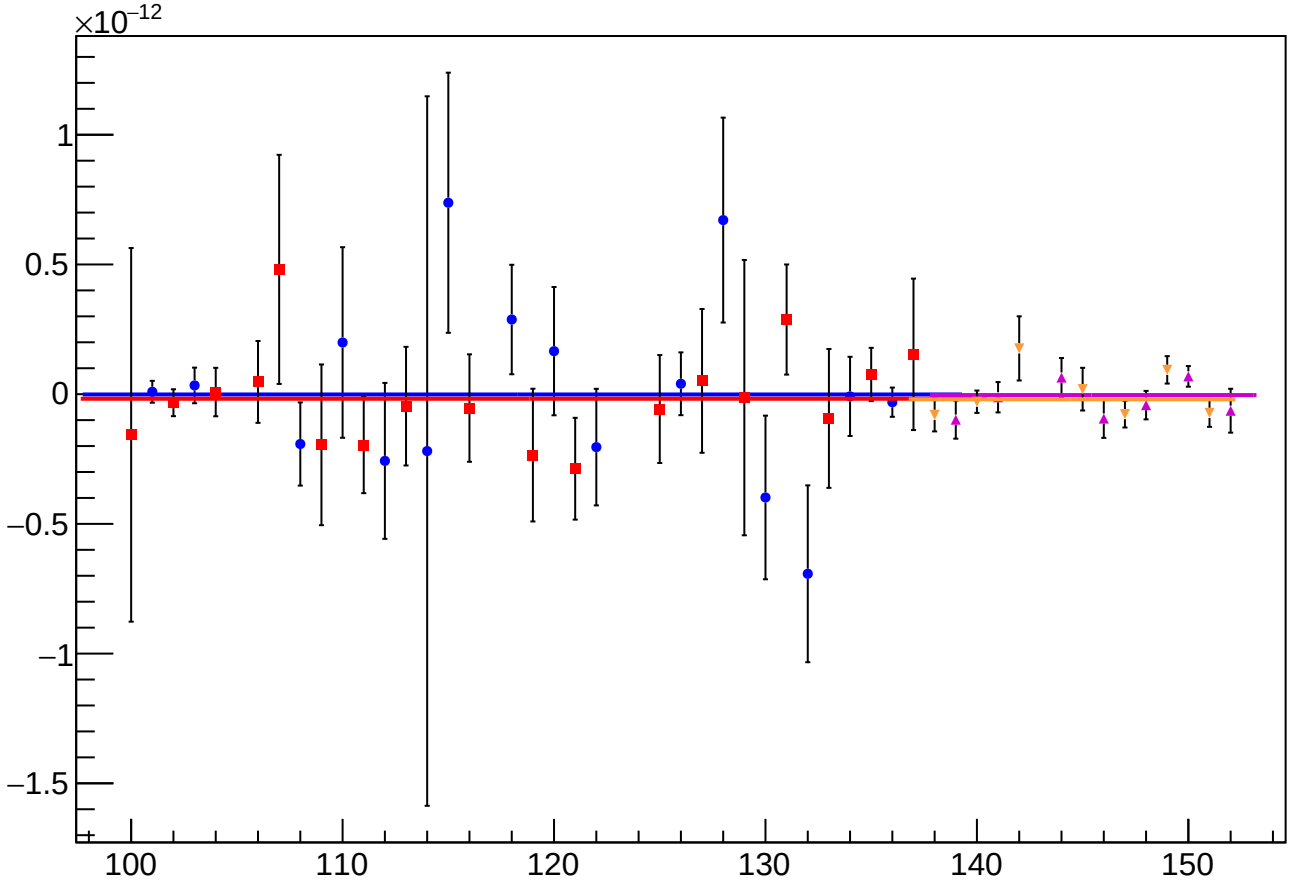
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 2974.635+/-0.857 χ^2/NDF:183490.9/6

+ sign 2994.628+/-0.605 χ^2/NDF: 638314.6/22

All: 3000.438+/-0.422 χ^2/NDF: 1167185.8/47

- sign 3005.939+/-0.588 χ^2/NDF: 528691.4/24



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/6

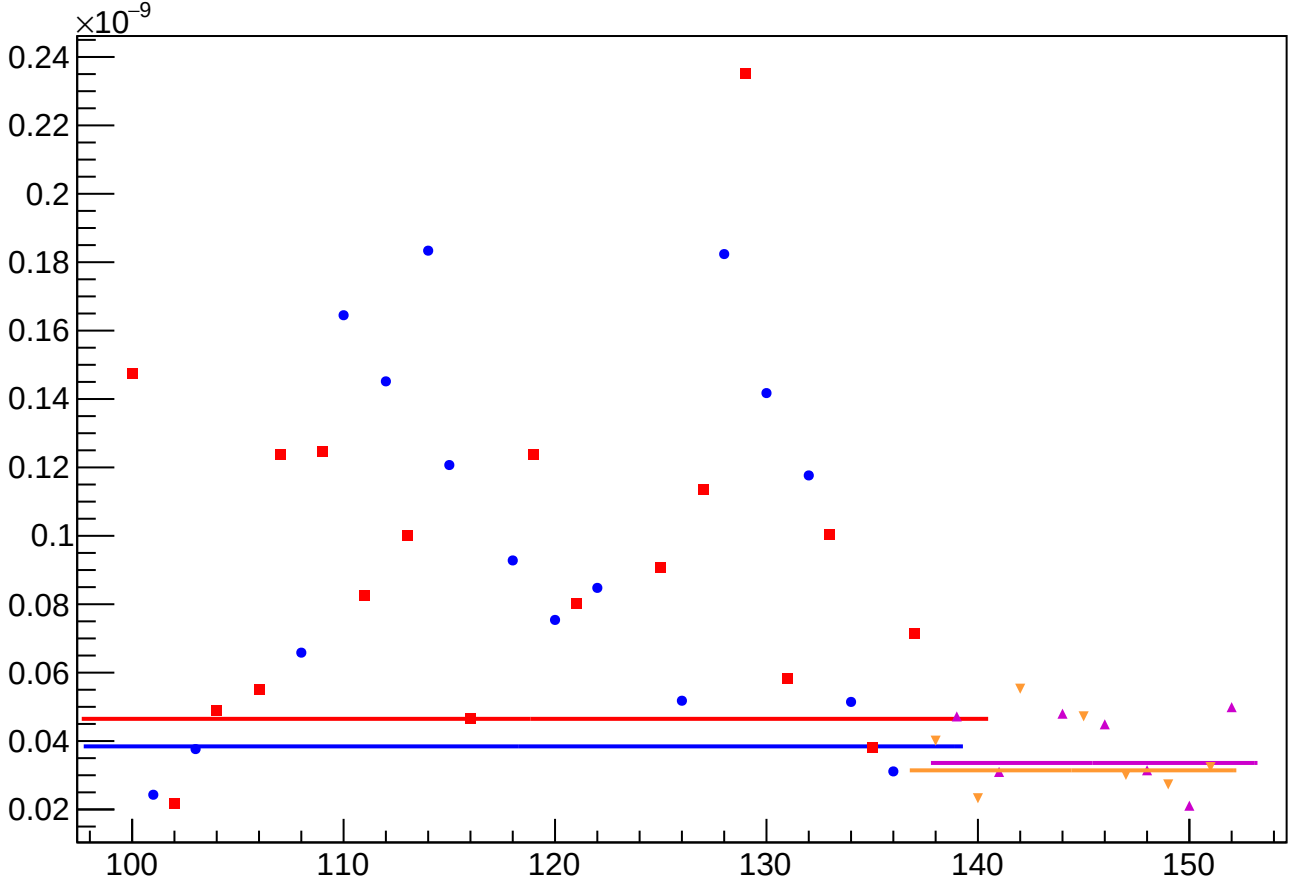
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

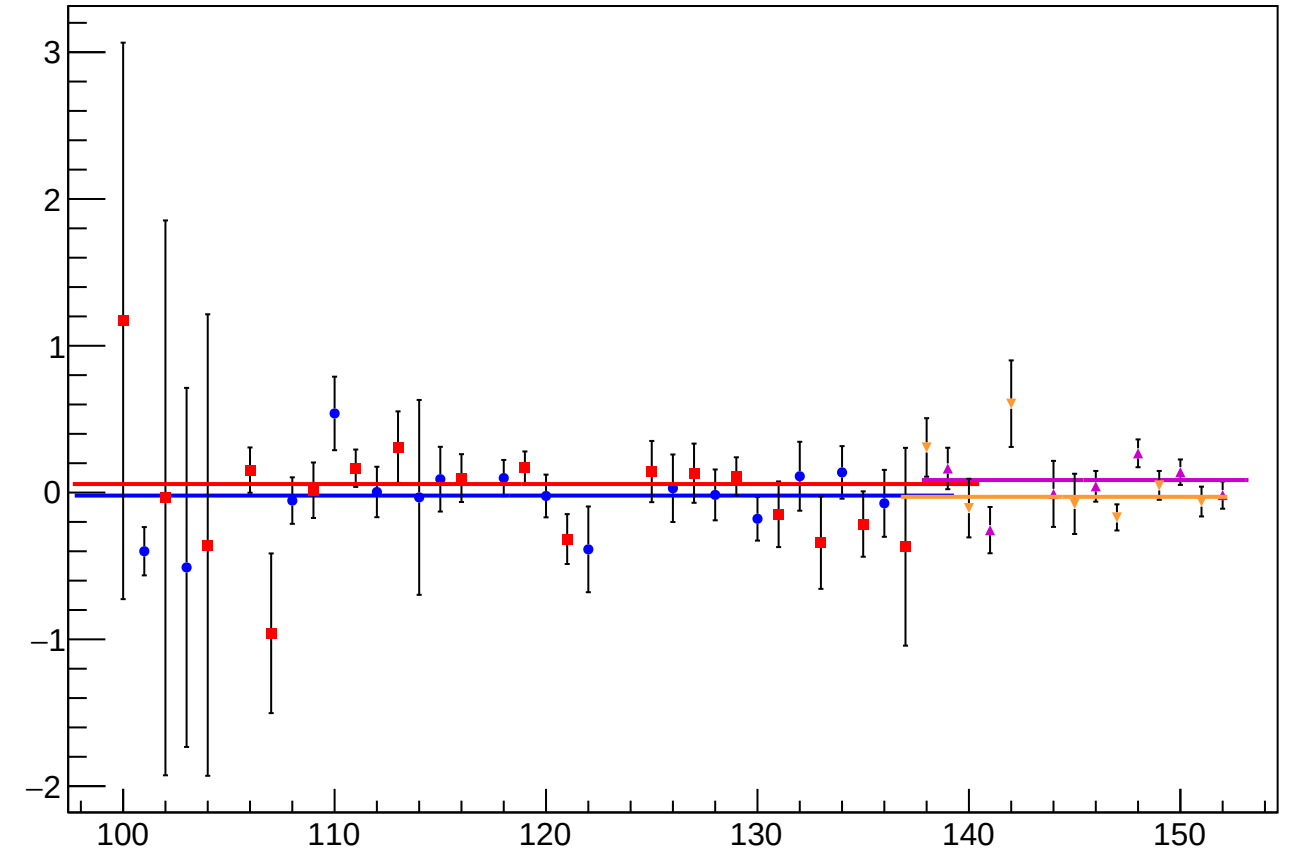
Left In: -0.000+/-0.000 χ^2/NDF:8.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 27.8/22

All: -0.000+/-0.000 χ^2/NDF: 45.2/47

- sign -0.000+/-0.000 χ^2/NDF: 17.4/24


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:270784.0/6
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:467901.9/6
+ sign 0.000+/-0.000 χ²/NDF: 2122449.6/22
All: 0.000+/-0.000 χ²/NDF: 4515795.0/47
- sign 0.000+/-0.000 χ²/NDF: 2360014.5/24



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.029+/-0.049 χ^2/NDF:10.9/6

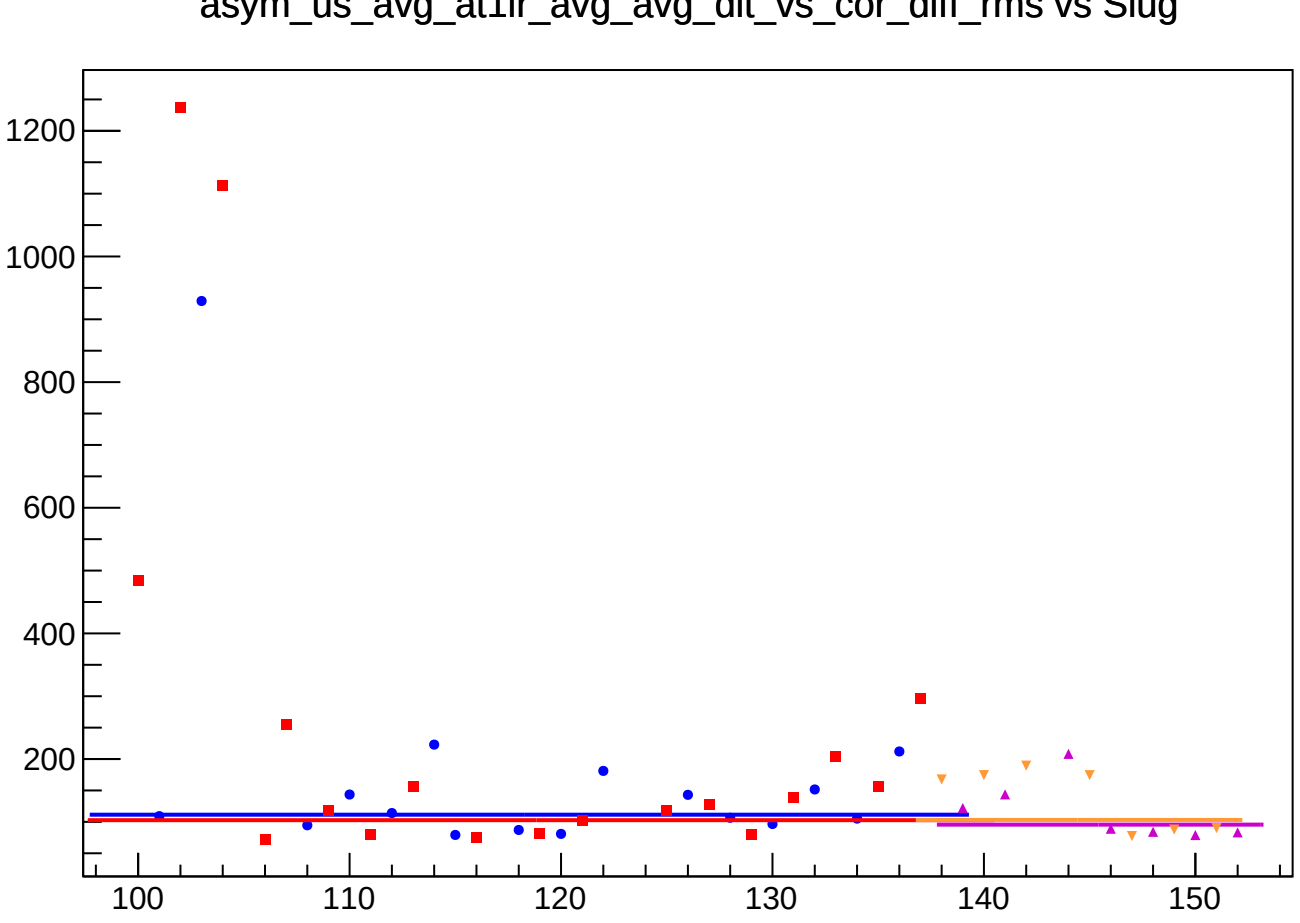
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.085+/-0.042 χ^2/NDF:10.6/6

+ sign -0.025+/-0.034 χ^2/NDF: 26.5/22

All: 0.029+/-0.023 χ^2/NDF: 58.6/47

- sign 0.073+/-0.031 χ^2/NDF: 27.6/24



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 103.068+/-0.035 χ^2/NDF:1124280.7/6

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

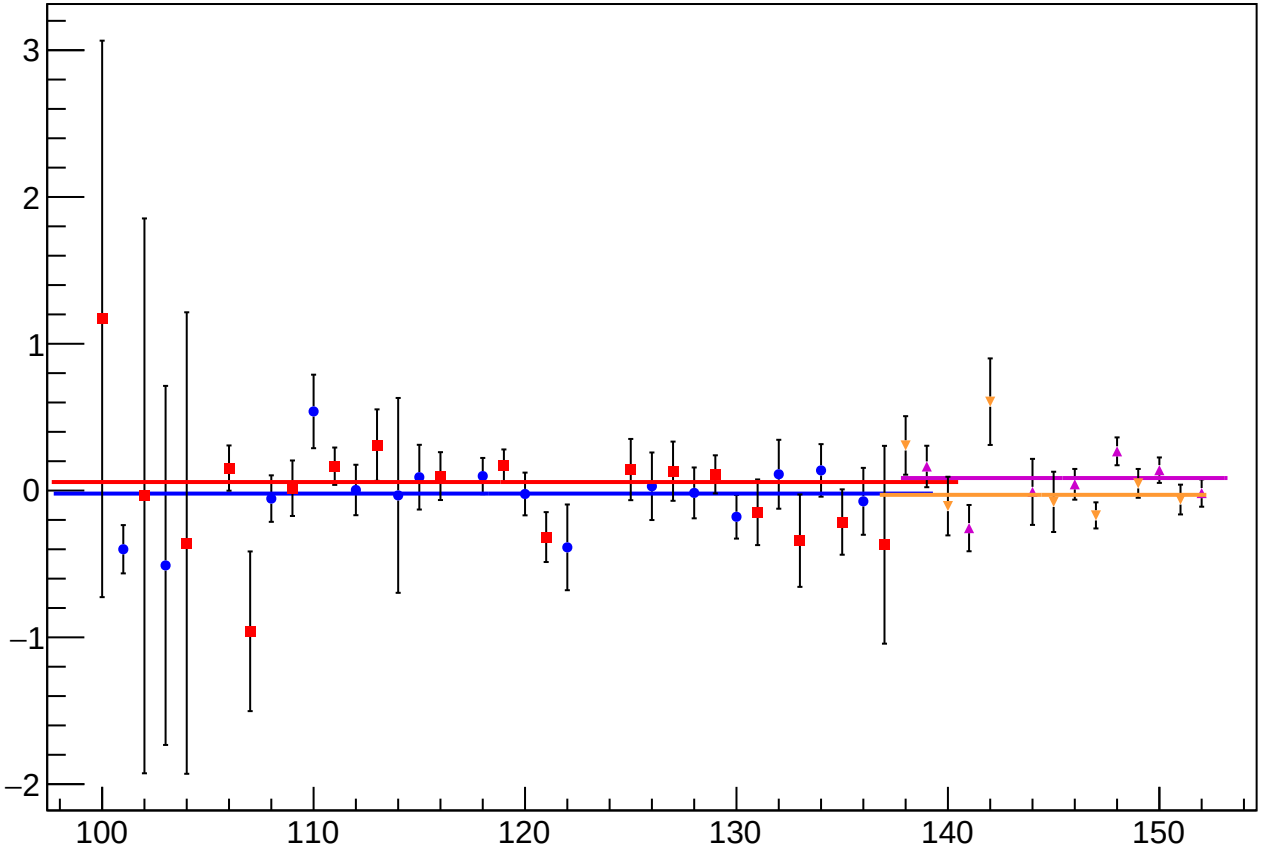
Left In: 95.595+/-0.030 χ^2/NDF:903575.4/6

+ sign 107.374+/-0.024 χ^2/NDF: 2993287.0/22

All: 102.695+/-0.016 χ^2/NDF: 6817668.4/47

- sign 98.800+/-0.022 χ^2/NDF: 3755888.4/24

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.029+/-0.049 χ^2/NDF:10.9/6

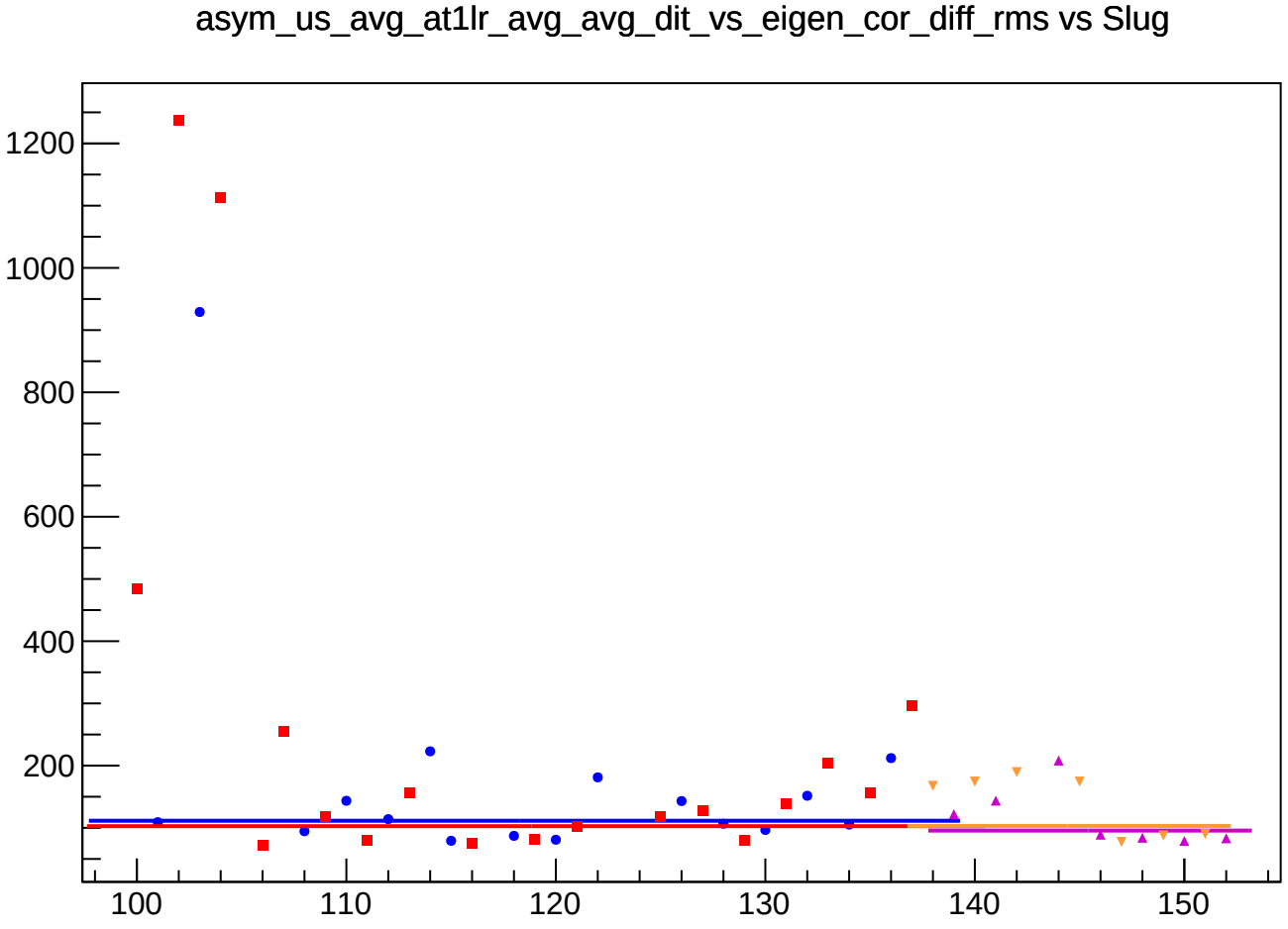
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.085+/-0.042 χ^2/NDF:10.6/6

+ sign -0.025+/-0.034 χ^2/NDF: 26.5/22

All: 0.029+/-0.023 χ^2/NDF: 58.6/47

- sign 0.073+/-0.031 χ^2/NDF: 27.6/24



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 103.068+/-0.035 χ^2/NDF:1124280.7/6

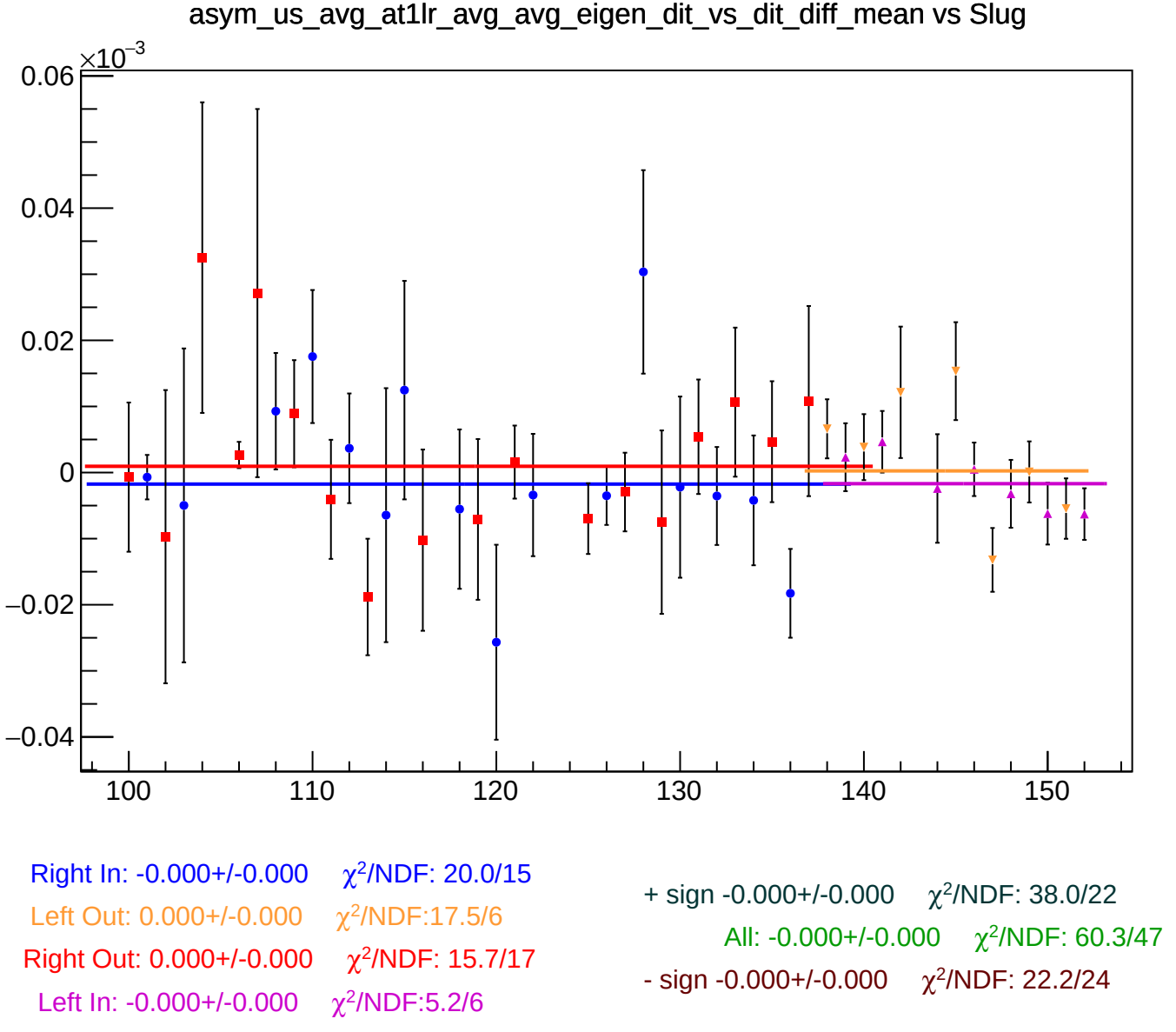
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

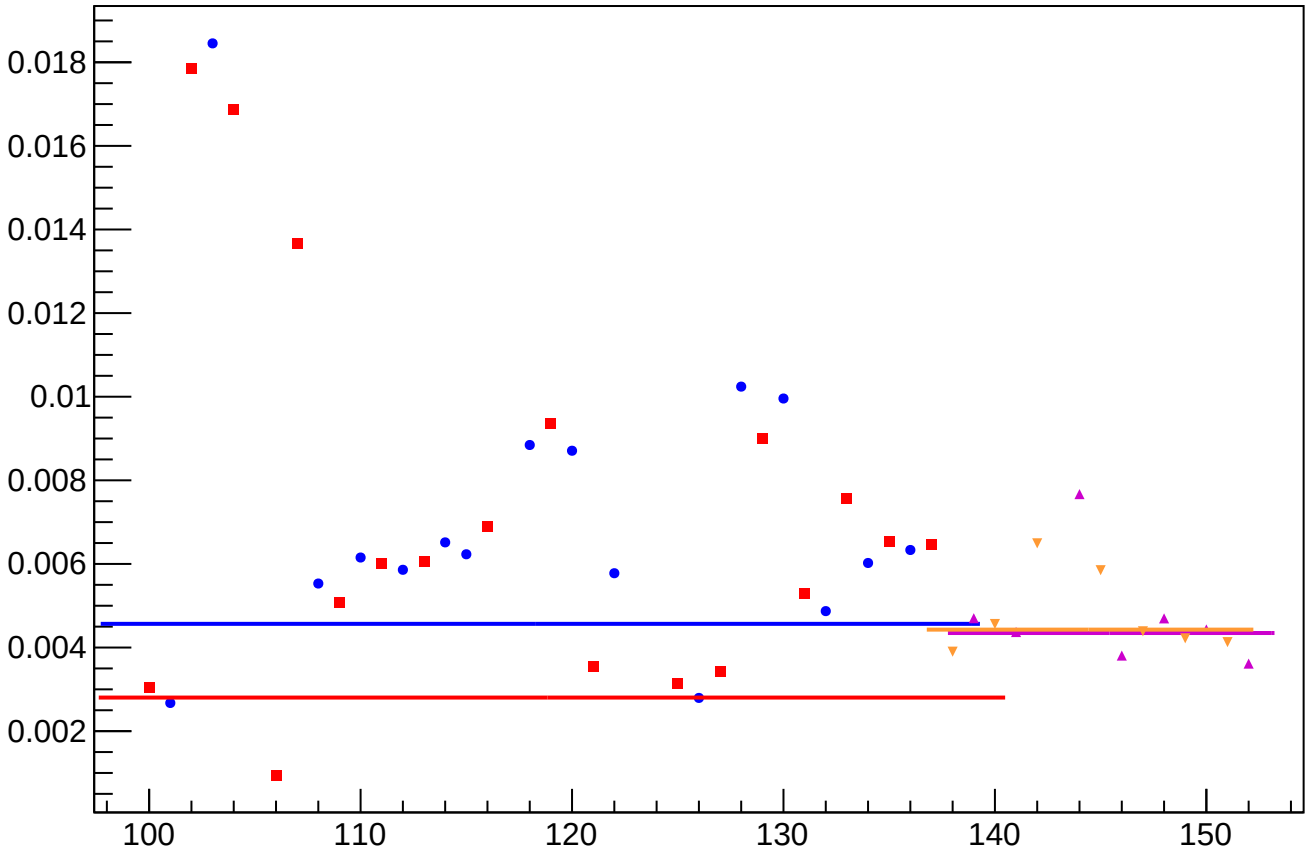
Left In: 95.595+/-0.030 χ^2/NDF:903575.4/6

+ sign 107.374+/-0.024 χ^2/NDF: 2993287.0/22

All: 102.695+/-0.016 χ^2/NDF: 6817668.4/47

- sign 98.800+/-0.022 χ^2/NDF: 3755888.4/24


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: 0.000+/-0.000 χ²/NDF:17.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: -0.000+/-0.000 χ²/NDF:5.2/6
+ sign -0.000+/-0.000 χ²/NDF: 38.0/22
All: -0.000+/-0.000 χ²/NDF: 60.3/47
- sign -0.000+/-0.000 χ²/NDF: 22.2/24



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:201940.3/6

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

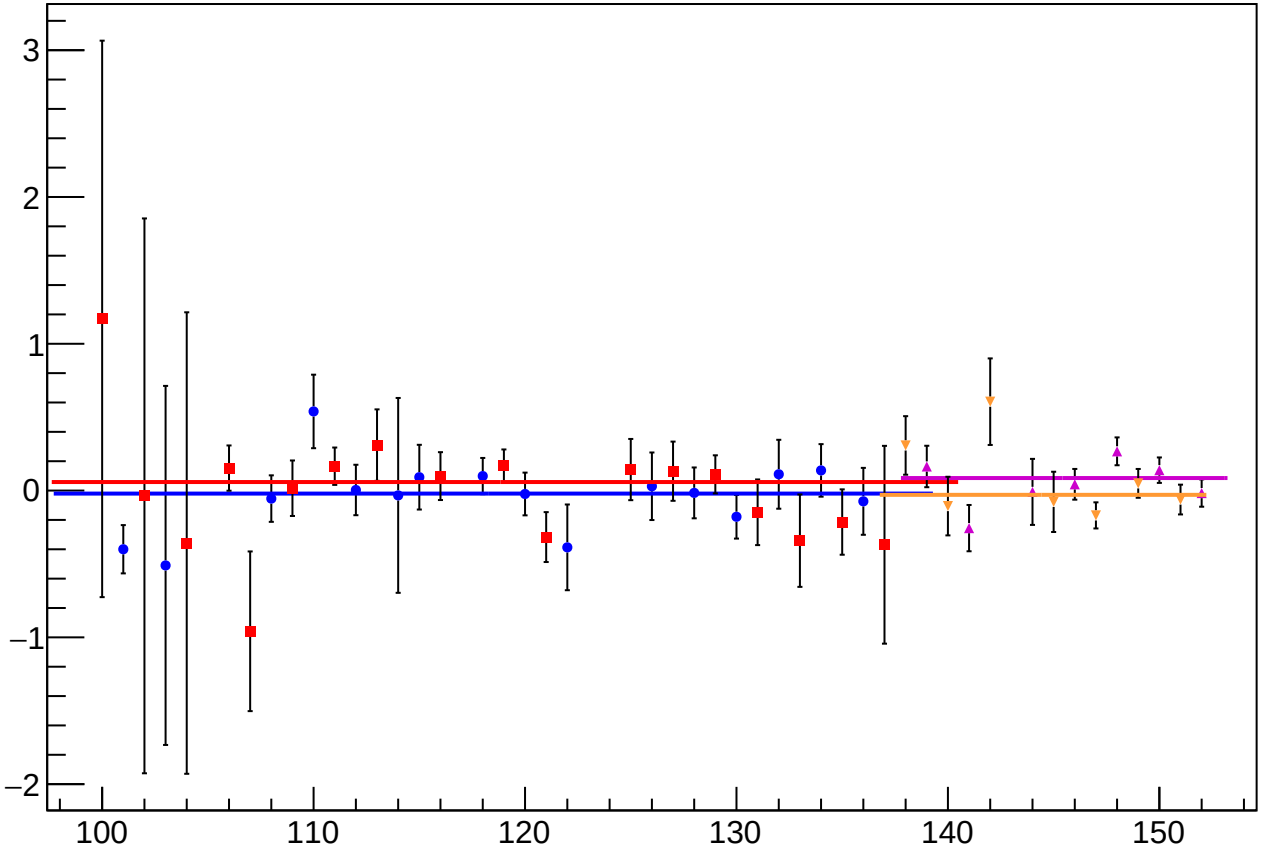
Left In: 0.004+/-0.000 χ^2/NDF:452797.2/6

+ sign 0.004+/-0.000 χ^2/NDF: 3219212.2/22

All: 0.004+/-0.000 χ^2/NDF: 11879791.9/47

- sign 0.003+/-0.000 χ^2/NDF: 7942530.1/24

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.029+/-0.049 χ^2/NDF:10.9/6

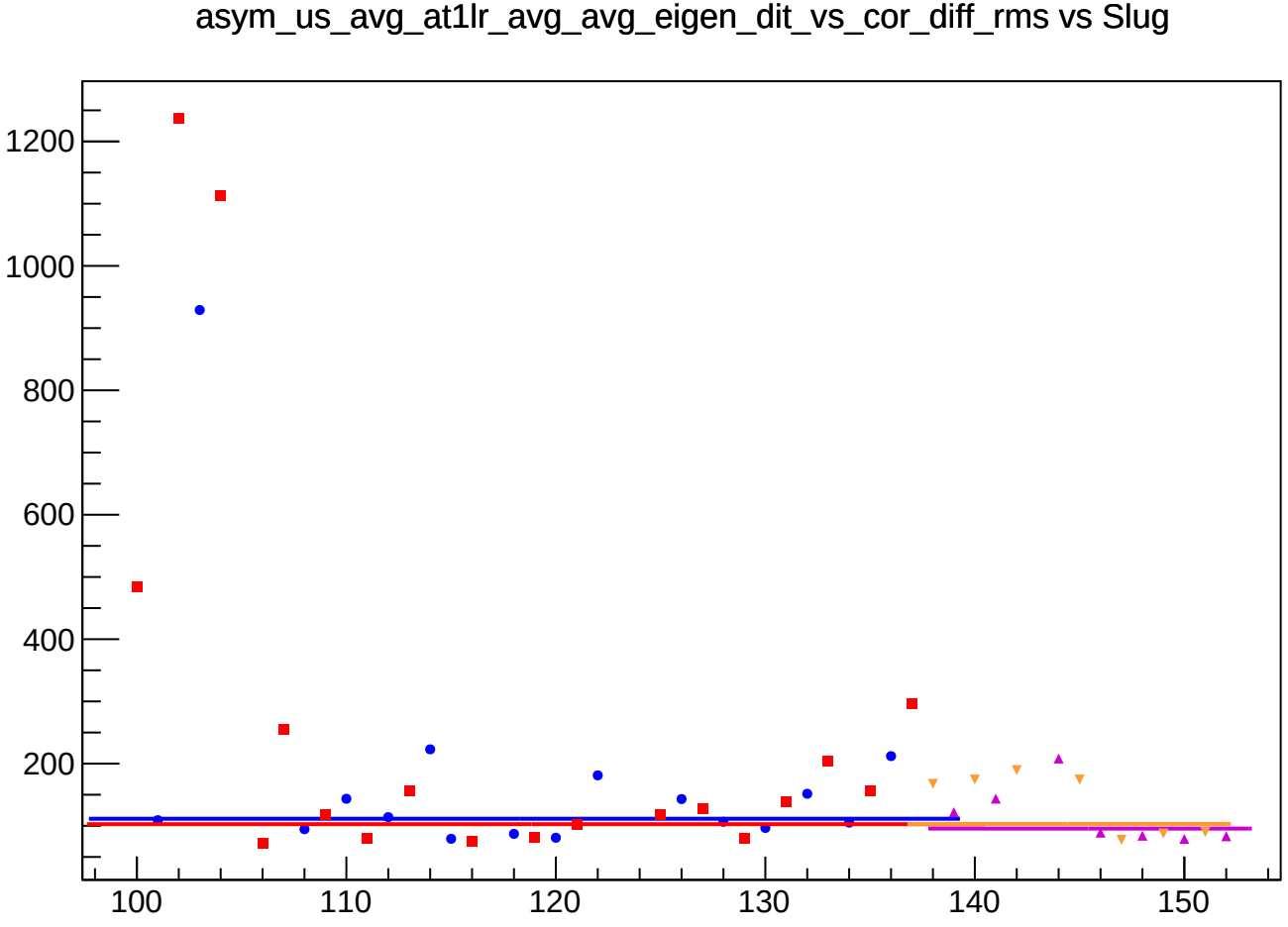
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.085+/-0.042 χ^2/NDF:10.6/6

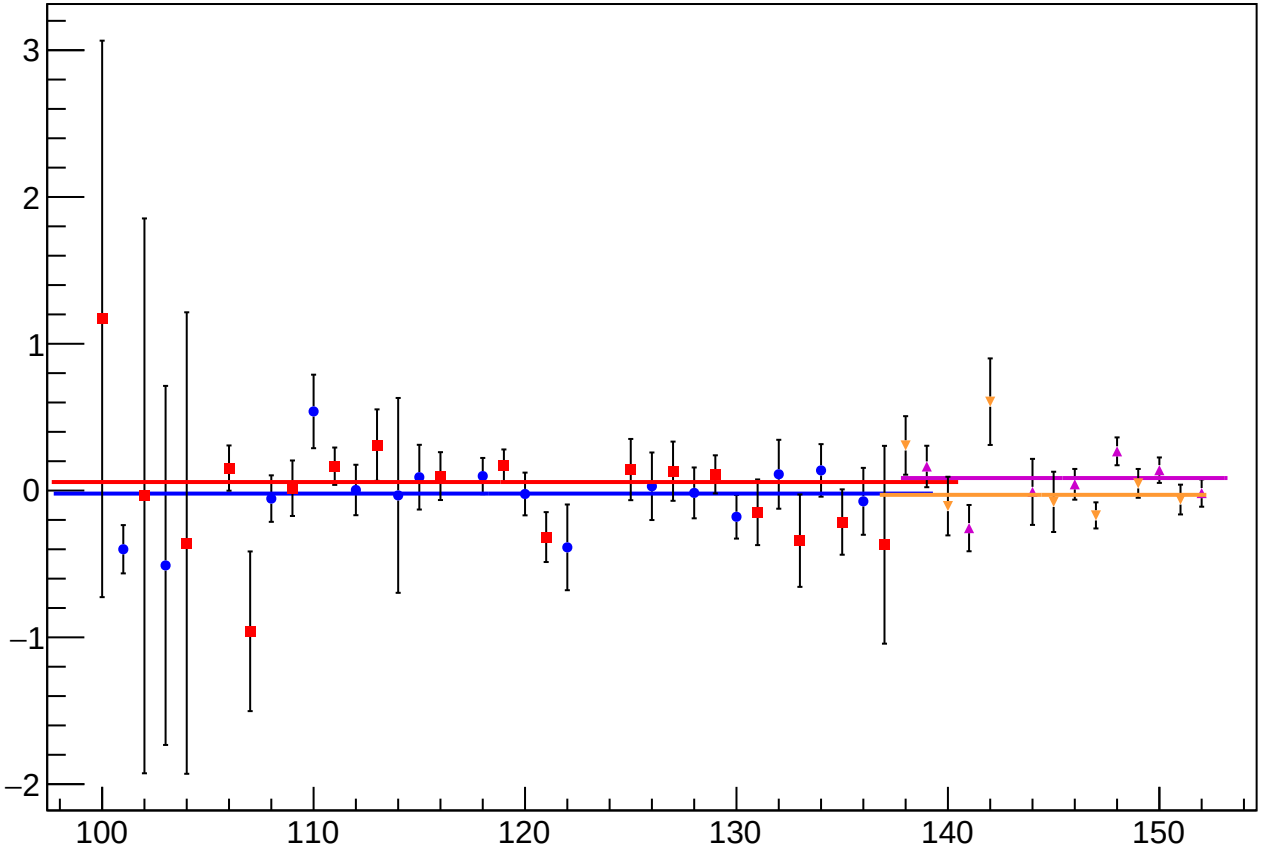
+ sign -0.025+/-0.034 χ^2/NDF: 26.5/22

All: 0.029+/-0.023 χ^2/NDF: 58.6/47

- sign 0.073+/-0.031 χ^2/NDF: 27.6/24


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 103.069+/-0.035 χ²/NDF:1124254.7/6
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 95.595+/-0.030 χ²/NDF:903571.1/6
+ sign 107.373+/-0.024 χ²/NDF: 2993283.7/22
All: 102.694+/-0.016 χ²/NDF: 6817634.7/47
- sign 98.800+/-0.022 χ²/NDF: 3755865.8/24

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.029+/-0.049 χ^2/NDF:10.9/6

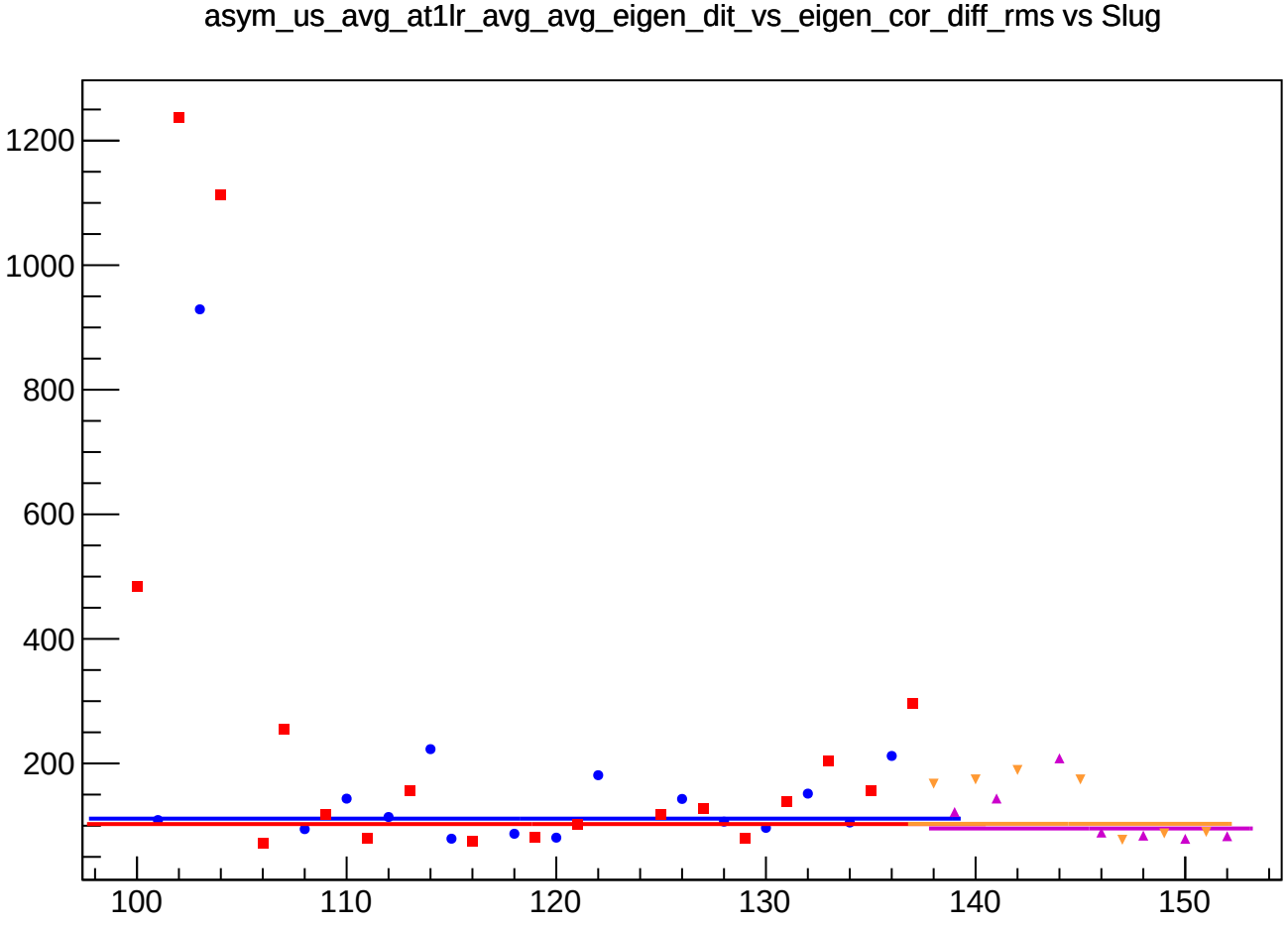
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.085+/-0.042 χ^2/NDF:10.6/6

+ sign -0.025+/-0.034 χ^2/NDF: 26.5/22

All: 0.029+/-0.023 χ^2/NDF: 58.6/47

- sign 0.073+/-0.031 χ^2/NDF: 27.6/24



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 103.069+/-0.035 χ^2/NDF:1124254.7/6

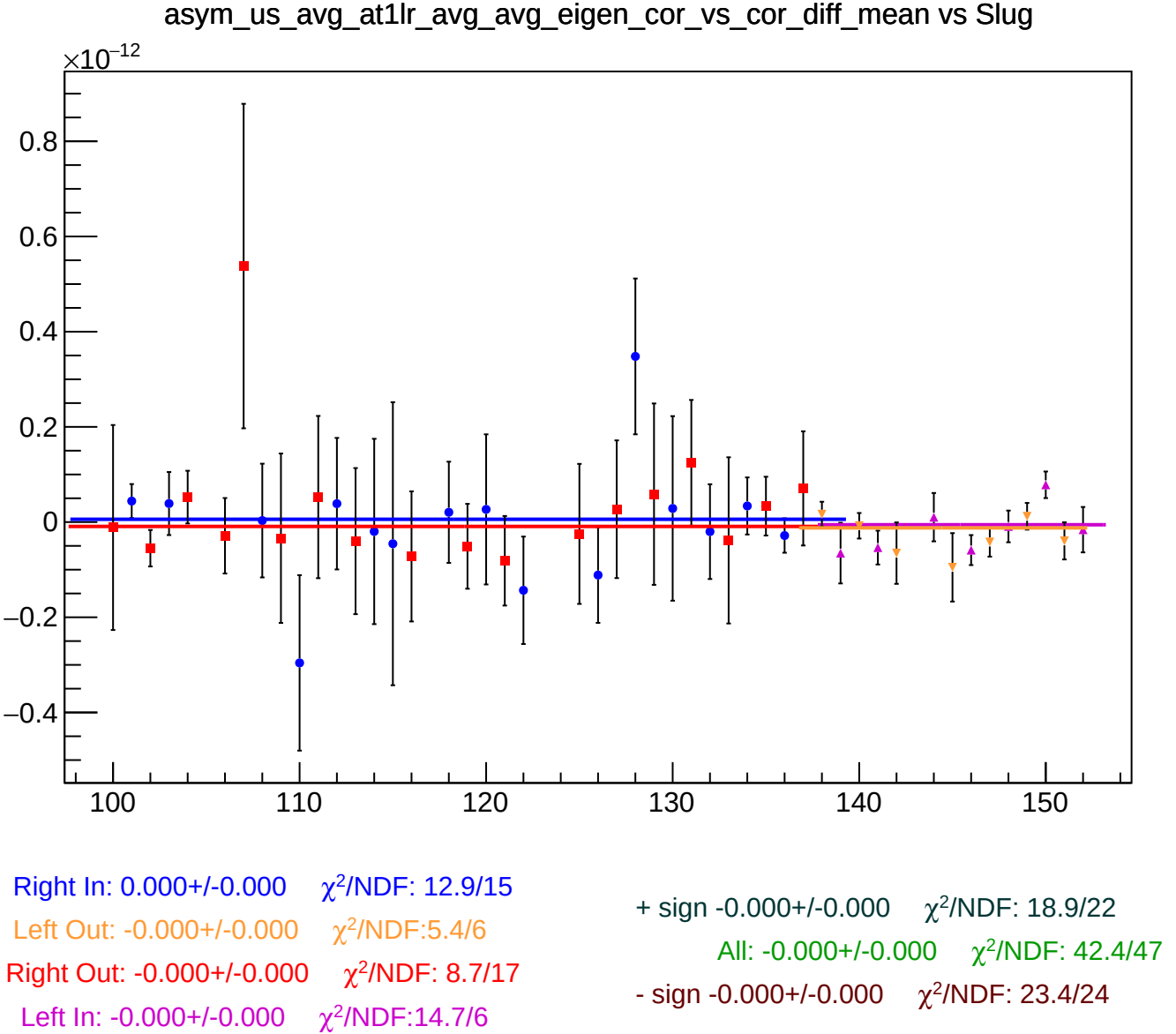
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

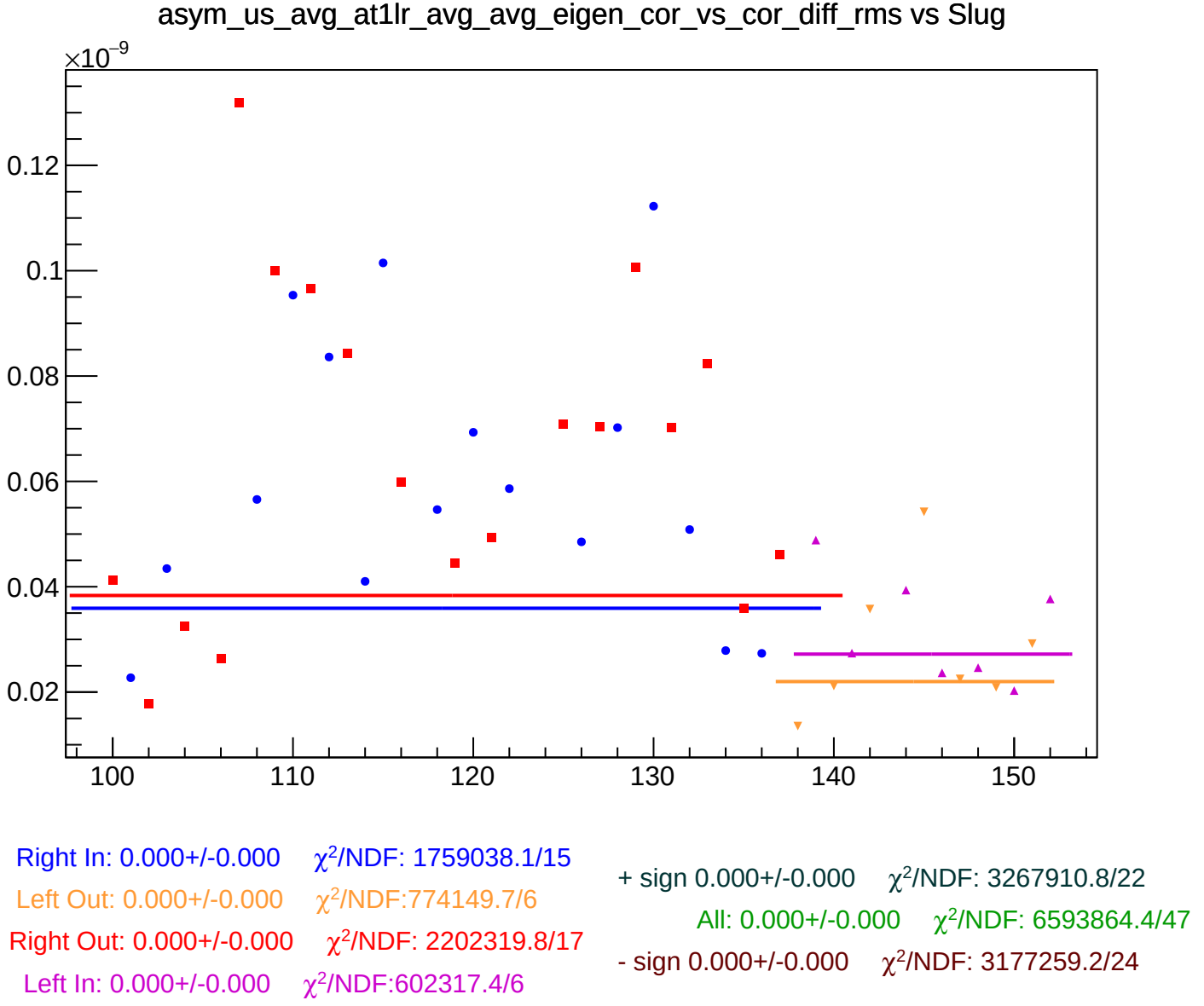
Left In: 95.595+/-0.030 χ^2/NDF:903571.1/6

+ sign 107.373+/-0.024 χ^2/NDF: 2993283.7/22

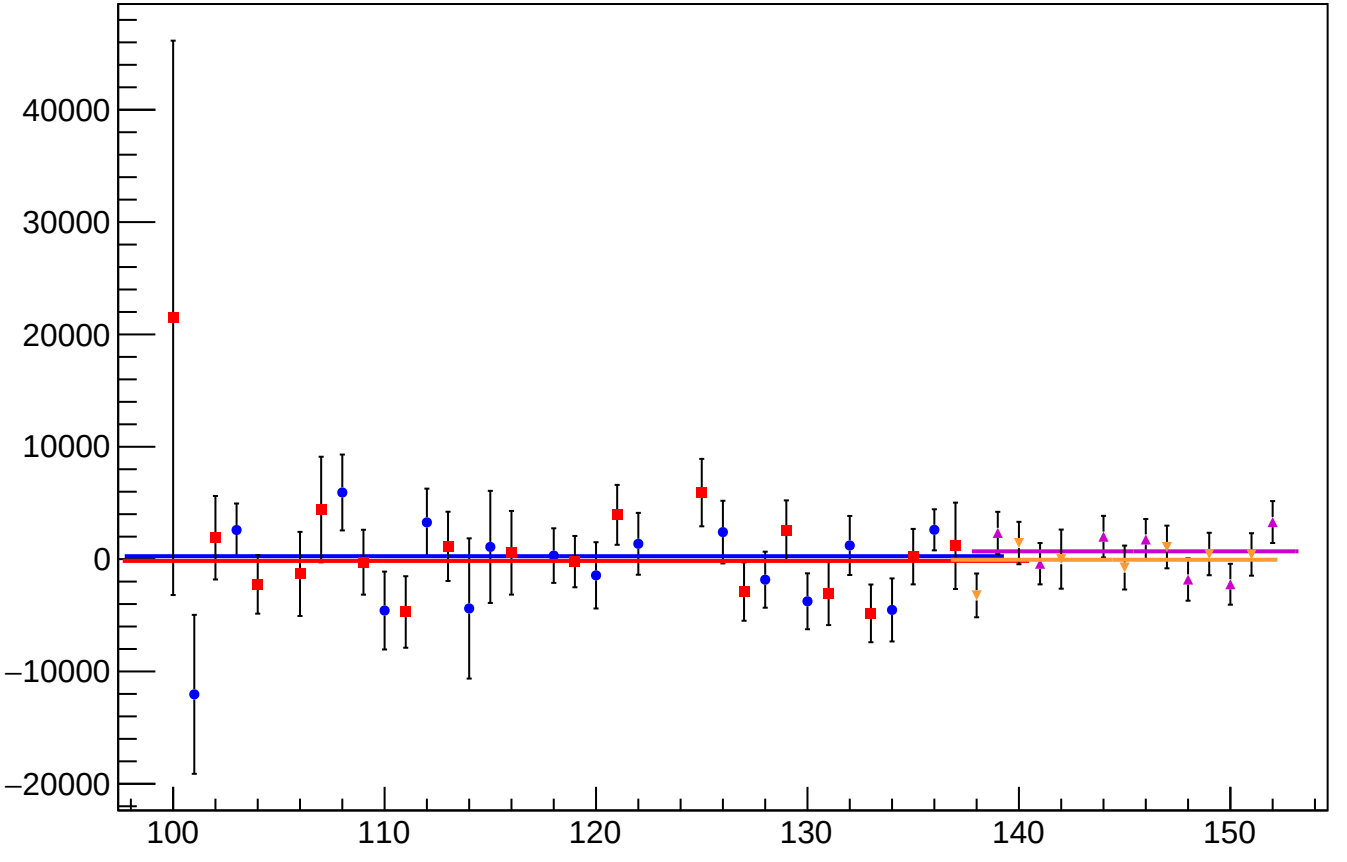
All: 102.694+/-0.016 χ^2/NDF: 6817634.7/47

- sign 98.800+/-0.022 χ^2/NDF: 3755865.8/24


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:5.4/6
Right Out: -0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:14.7/6
+ sign -0.000+/-0.000 χ²/NDF: 18.9/22
All: -0.000+/-0.000 χ²/NDF: 42.4/47
- sign -0.000+/-0.000 χ²/NDF: 23.4/24


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:774149.7/6
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:602317.4/6
+ sign 0.000+/-0.000 χ²/NDF: 3267910.8/22
All: 0.000+/-0.000 χ²/NDF: 6593864.4/47
- sign 0.000+/-0.000 χ²/NDF: 3177259.2/24

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -56.783+/-747.952 χ^2/NDF:3.9/6

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

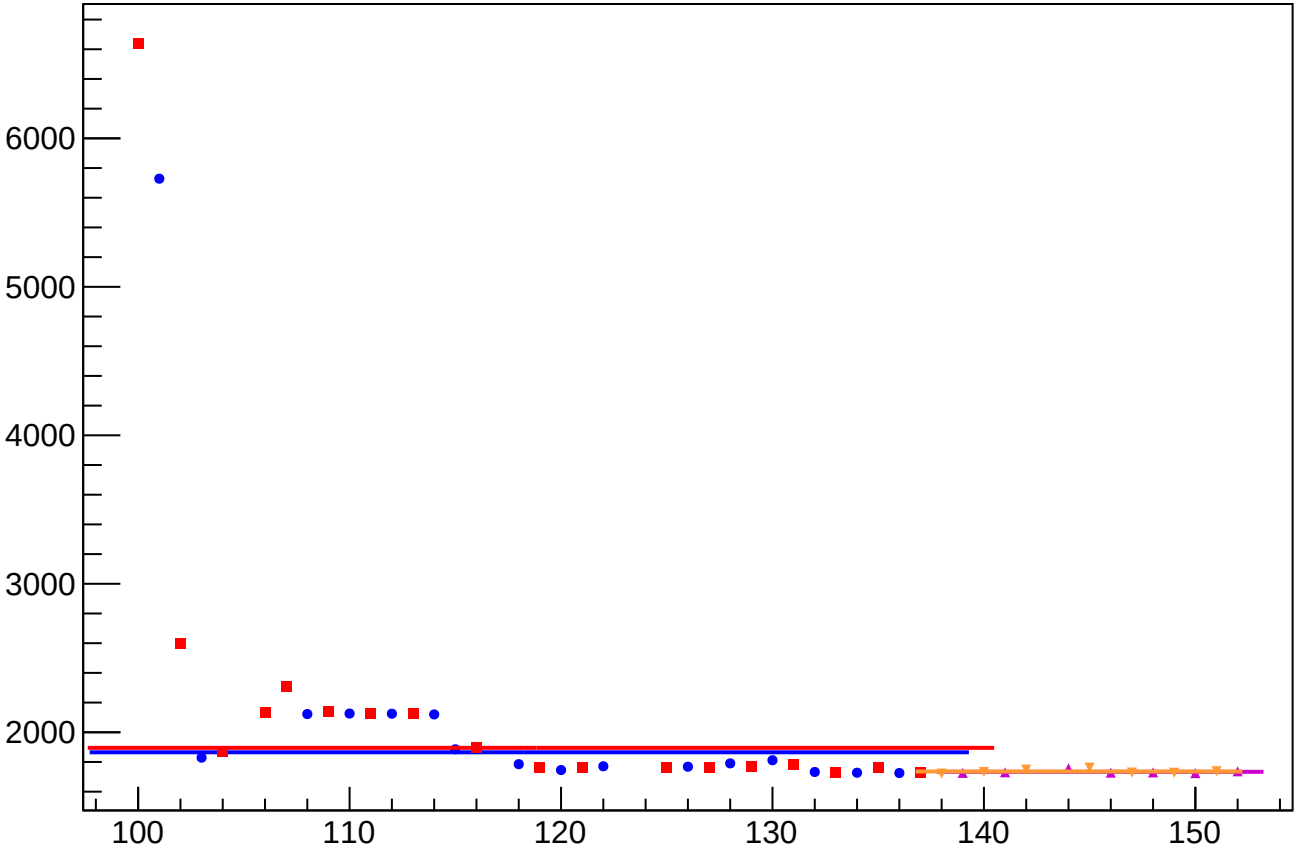
Left In: 693.095+/-699.685 χ^2/NDF:8.3/6

\+ sign 109.654+/-514.825 χ^2/NDF: 23.4/22

All: 194.627+/-358.369 χ^2/NDF: 50.6/47

\- sign 274.506+/-499.157 χ^2/NDF: 27.1/24

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1735.790+/-0.529 χ^2/NDF:581.5/6

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

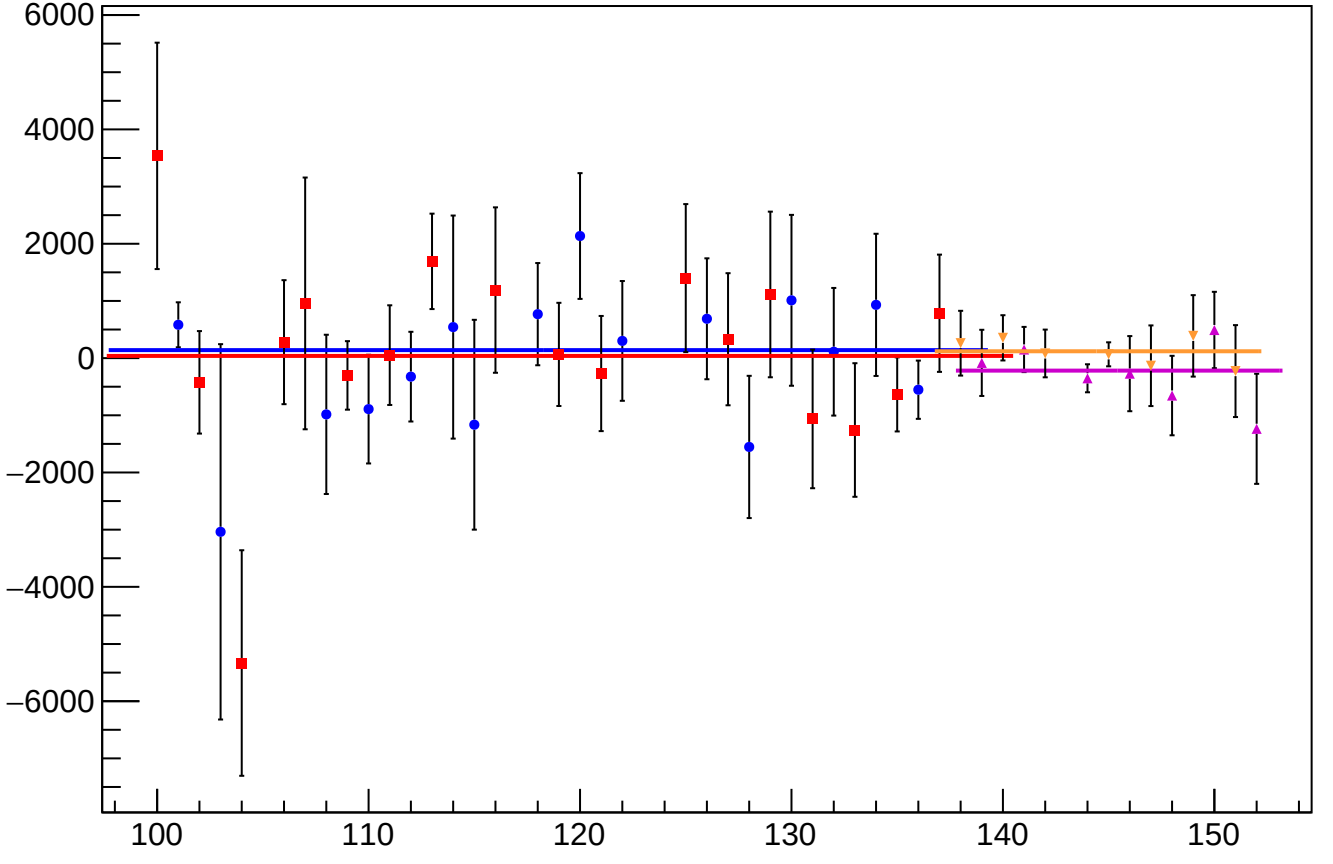
Left In: 1733.665+/-0.495 χ^2/NDF:455.9/6

+ sign 1803.873+/-0.364 χ^2/NDF: 704797.5/22

All: 1808.584+/-0.253 χ^2/NDF: 1008764.1/47

- sign 1813.012+/-0.353 χ^2/NDF: 303641.6/24

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: 119.756+/-151.668 χ^2/NDF:0.9/6

Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

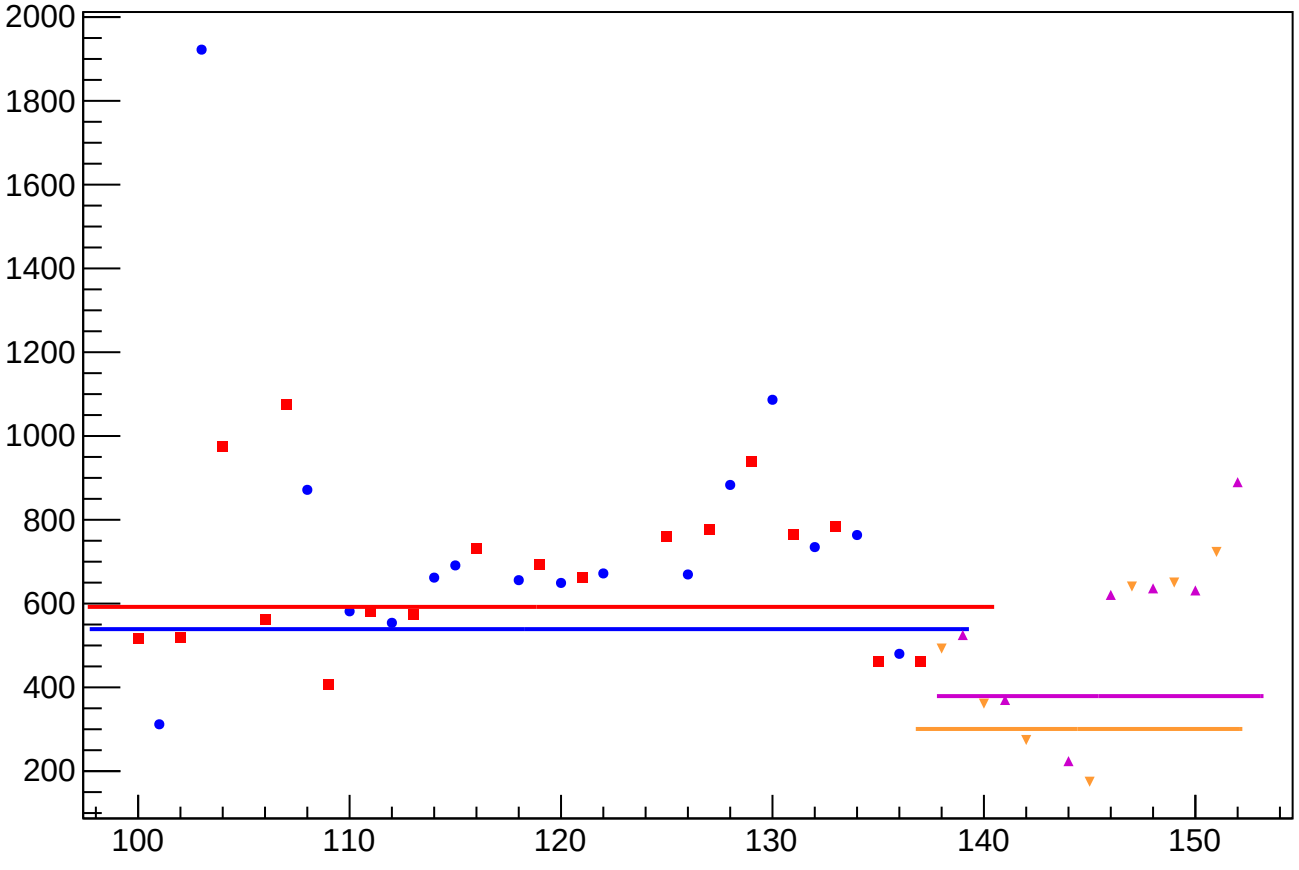
Left In: -218.505+/-172.134 χ^2/NDF:3.9/6

+ sign 126.209+/-124.888 χ^2/NDF: 14.4/22

All: 12.105+/-93.056 χ^2/NDF: 42.3/47

- sign -130.318+/-139.528 χ^2/NDF: 26.0/24

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: 300.715+/-0.107 χ^2/NDF:2503341.2/6

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

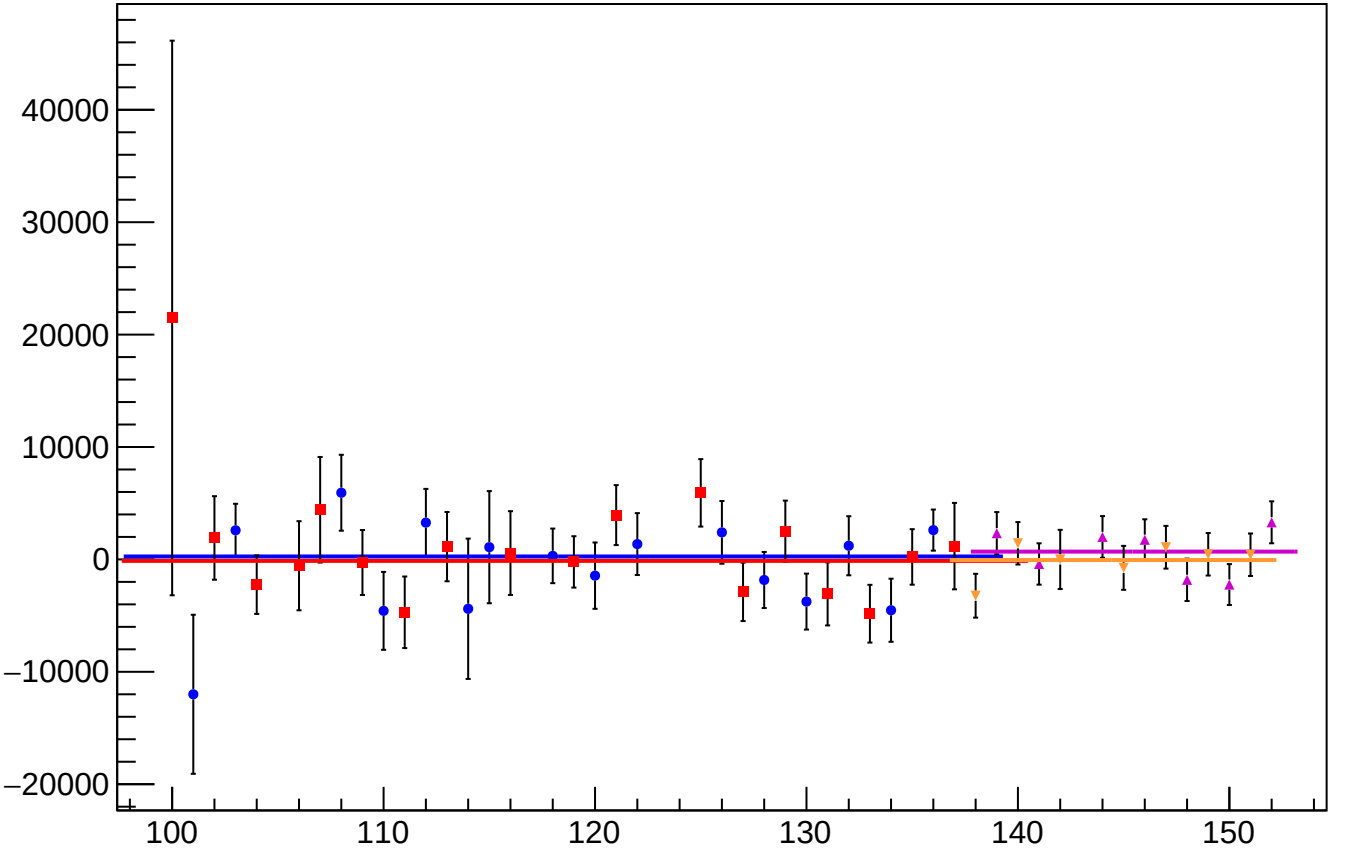
Left In: 379.151+/-0.122 χ^2/NDF:2322793.2/6

+ sign 377.438+/-0.088 χ^2/NDF: 5947549.9/22

All: 410.686+/-0.066 χ^2/NDF: 10481854.7/47

- sign 452.185+/-0.099 χ^2/NDF: 4215638.9/24

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -56.677+/-747.952 χ^2/NDF:3.9/6

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

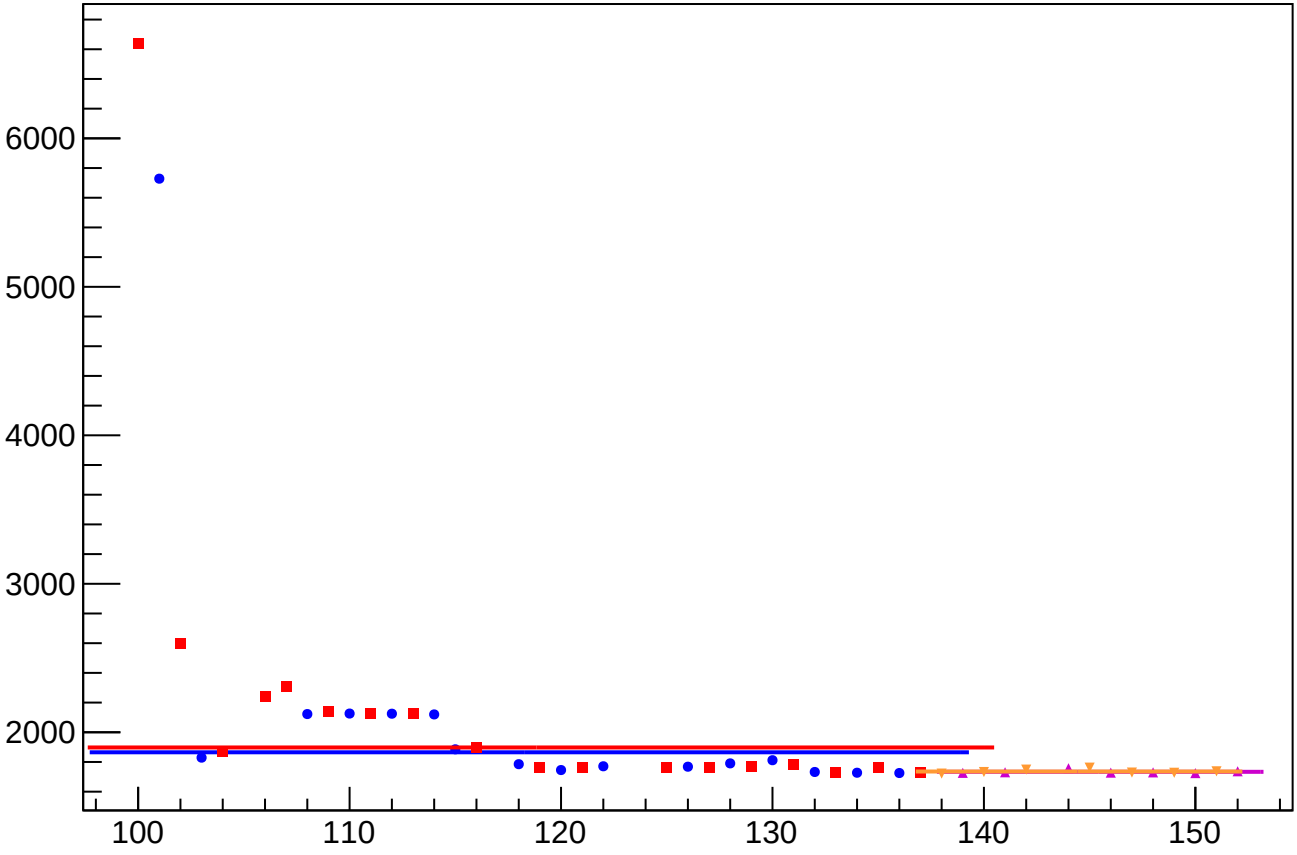
Left In: 693.241+/-699.685 χ^2/NDF:8.3/6

\+ sign 109.802+/-514.825 χ^2/NDF: 23.4/22

All: 202.481+/-358.548 χ^2/NDF: 50.4/47

\- sign 289.772+/-499.642 χ^2/NDF: 26.9/24

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1735.790+/-0.529 χ^2/NDF:581.5/6

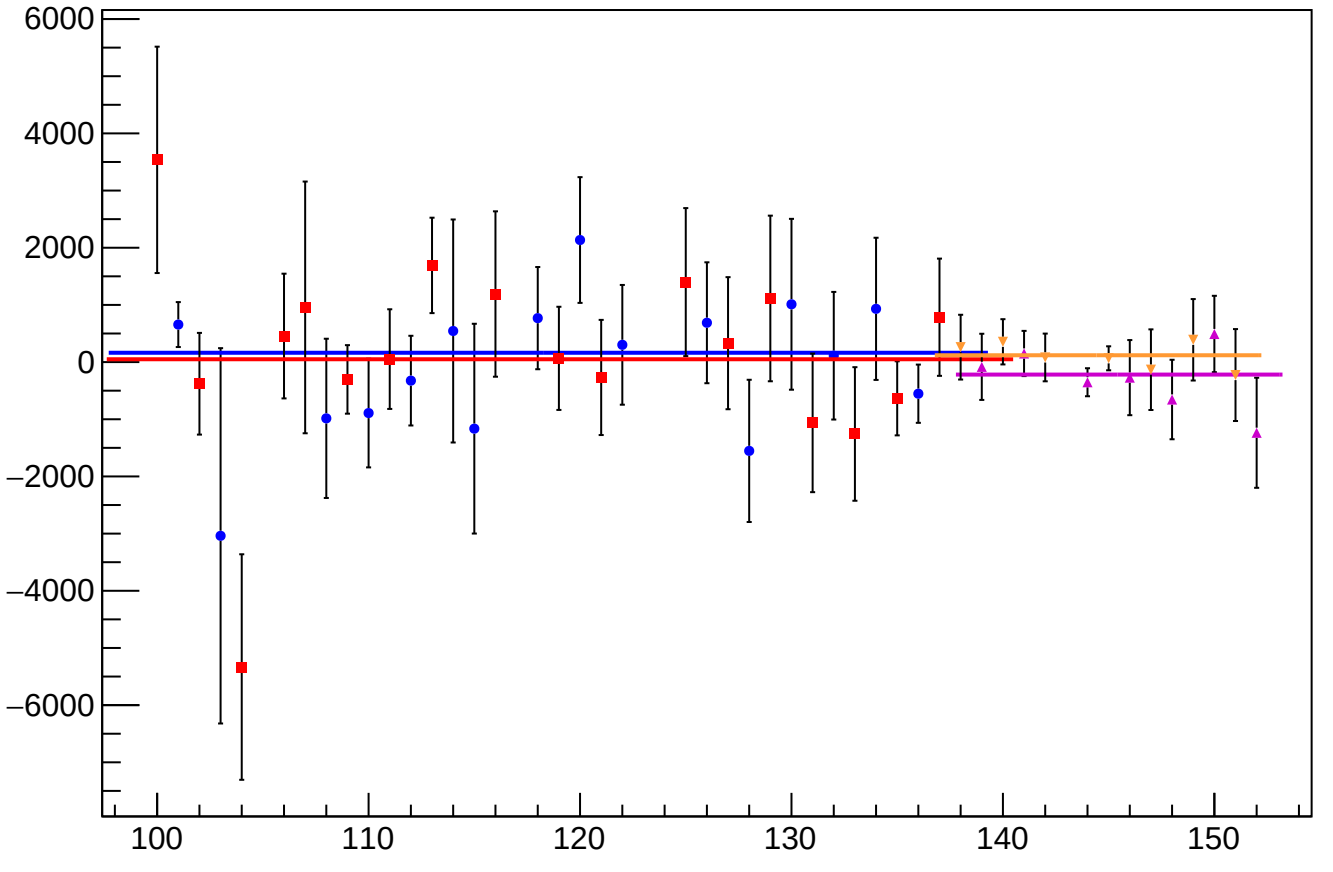
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.665+/-0.495 χ^2/NDF:455.9/6

+ sign 1803.873+/-0.364 χ^2/NDF: 704797.4/22

All: 1809.116+/-0.254 χ^2/NDF: 1017262.4/47

- sign 1814.053+/-0.353 χ^2/NDF: 312062.3/24



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 119.630+/-151.671 χ^2/NDF:0.9/6

Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

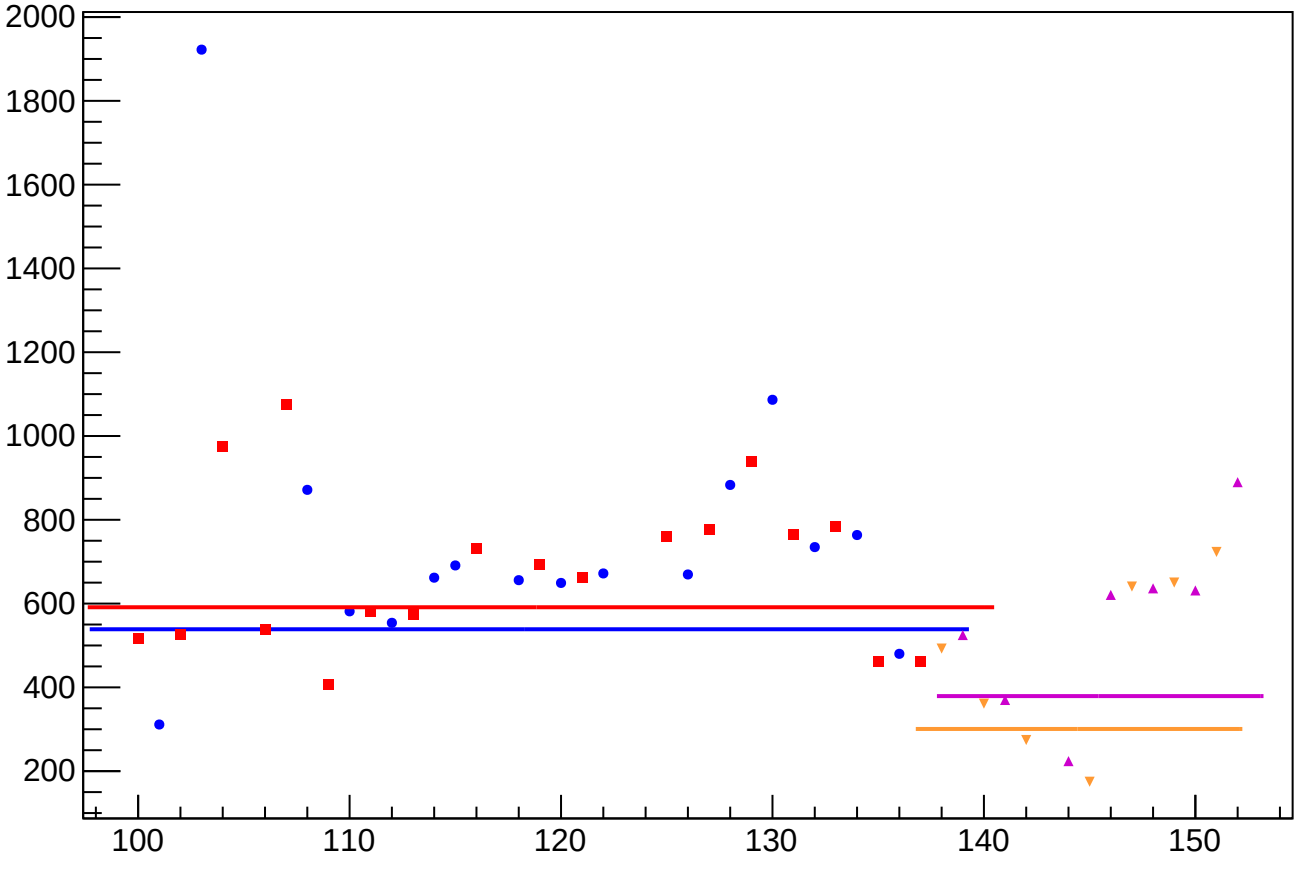
Left In: -218.490+/-172.135 χ^2/NDF:3.9/6

\+ sign 133.648+/-124.876 χ^2/NDF: 14.9/22

All: 17.932+/-93.048 χ^2/NDF: 43.0/47

\- sign -126.511+/-139.517 χ^2/NDF: 26.1/24

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 300.722+/-0.107 χ^2/NDF:2503311.9/6

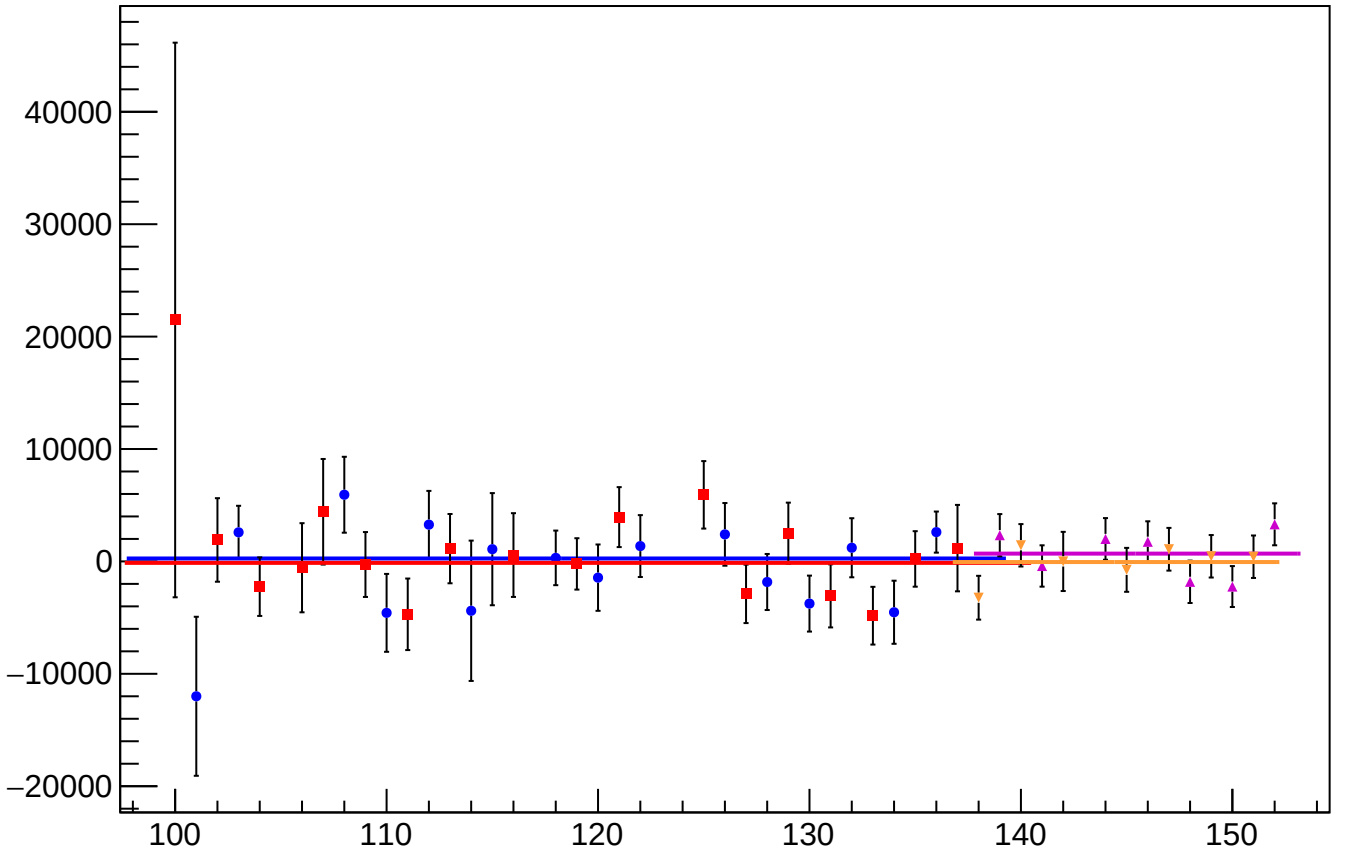
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 379.160+/-0.122 χ^2/NDF:2322564.3/6

+ sign 377.381+/-0.088 χ^2/NDF: 5948292.4/22

All: 410.535+/-0.066 χ^2/NDF: 10473887.8/47

- sign 451.919+/-0.099 χ^2/NDF: 4208649.6/24



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -56.677+/-747.952 χ^2/NDF:3.9/6

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

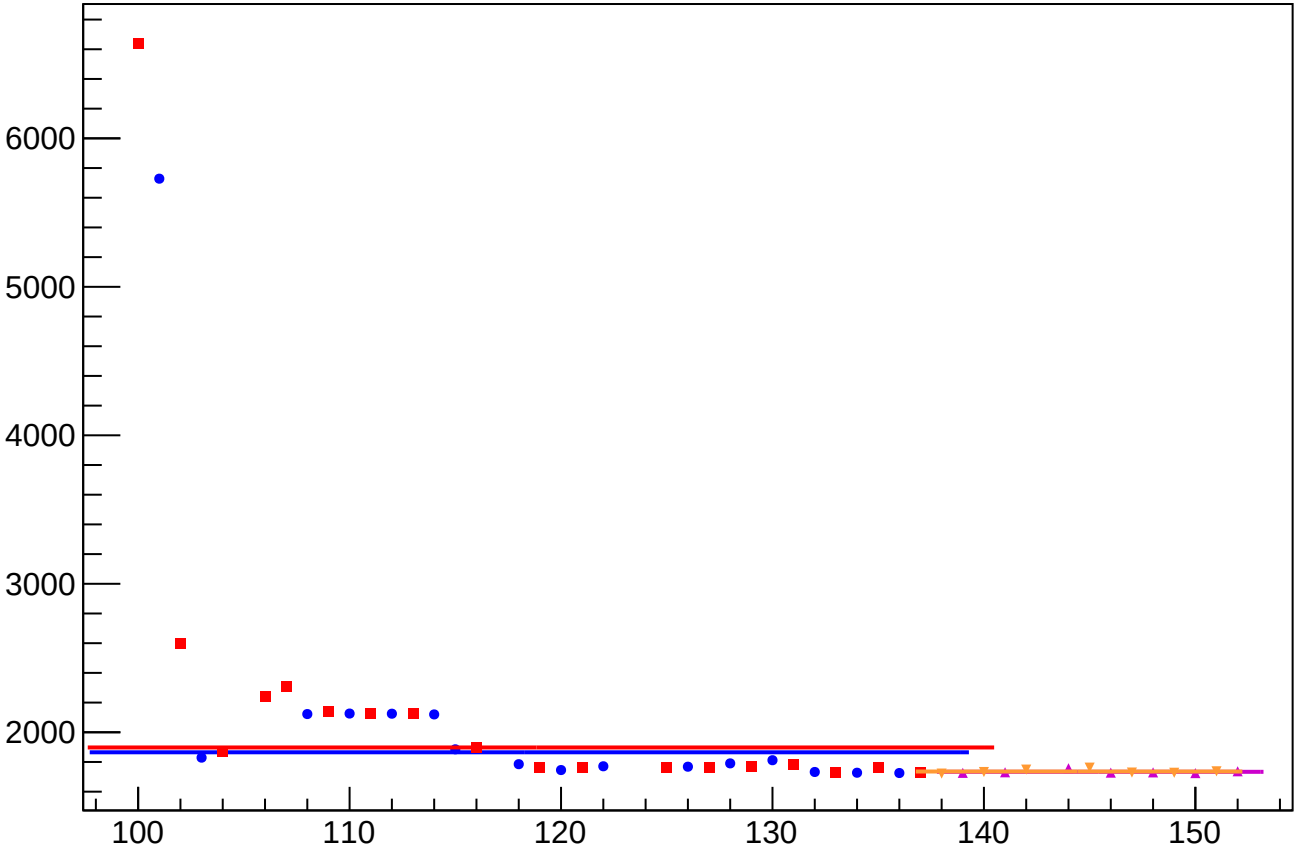
Left In: 693.241+/-699.685 χ^2/NDF:8.3/6

\+ sign 109.802+/-514.825 χ^2/NDF: 23.4/22

All: 202.481+/-358.548 χ^2/NDF: 50.4/47

\- sign 289.772+/-499.642 χ^2/NDF: 26.9/24

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: 1735.790+/-0.529 χ^2/NDF:581.5/6

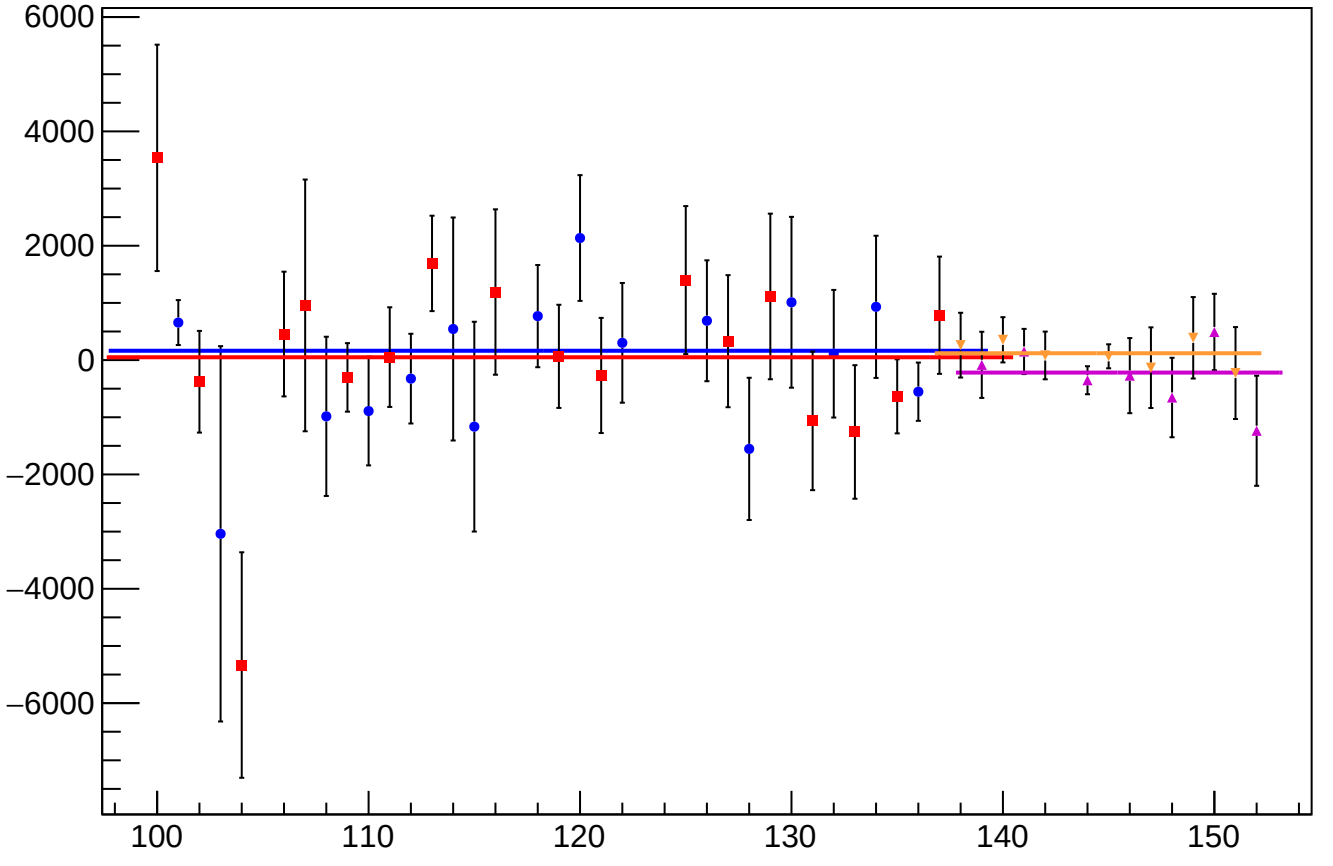
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.665+/-0.495 χ^2/NDF:455.9/6

+ sign 1803.873+/-0.364 χ^2/NDF: 704797.4/22

All: 1809.116+/-0.254 χ^2/NDF: 1017262.4/47

- sign 1814.053+/-0.353 χ^2/NDF: 312062.3/24



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 119.630+/-151.671 χ^2/NDF:0.9/6

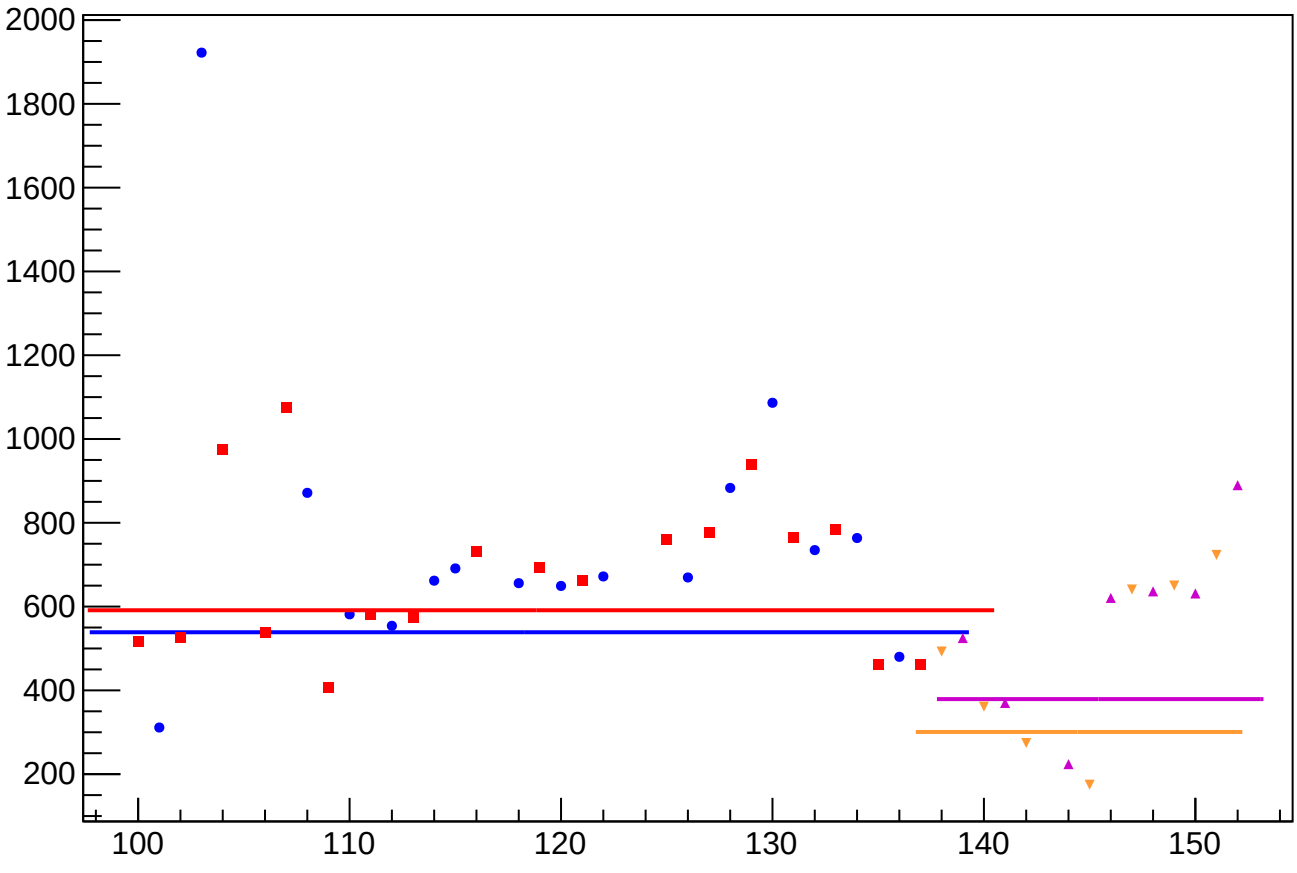
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -218.490+/-172.135 χ^2/NDF:3.9/6

+ sign 133.648+/-124.876 χ^2/NDF: 14.9/22

All: 17.932+/-93.048 χ^2/NDF: 43.0/47

- sign -126.511+/-139.517 χ^2/NDF: 26.1/24



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 300.722+/-0.107 χ^2/NDF:2503311.9/6

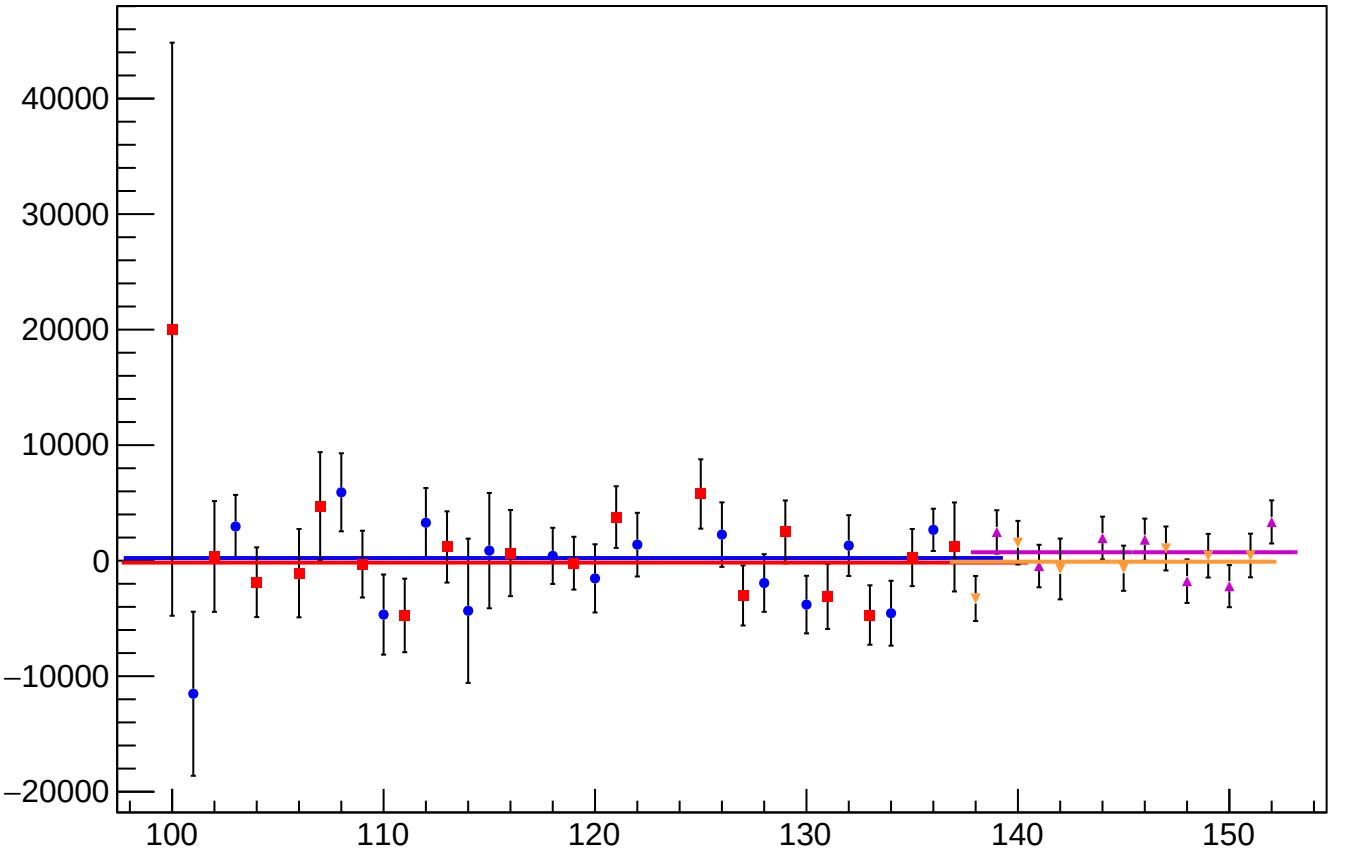
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 379.160+/-0.122 χ^2/NDF:2322564.3/6

+ sign 377.381+/-0.088 χ^2/NDF: 5948292.4/22

All: 410.535+/-0.066 χ^2/NDF: 10473887.8/47

- sign 451.919+/-0.099 χ^2/NDF: 4208649.6/24



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -90.549+/-748.347 χ^2/NDF:4.1/6

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

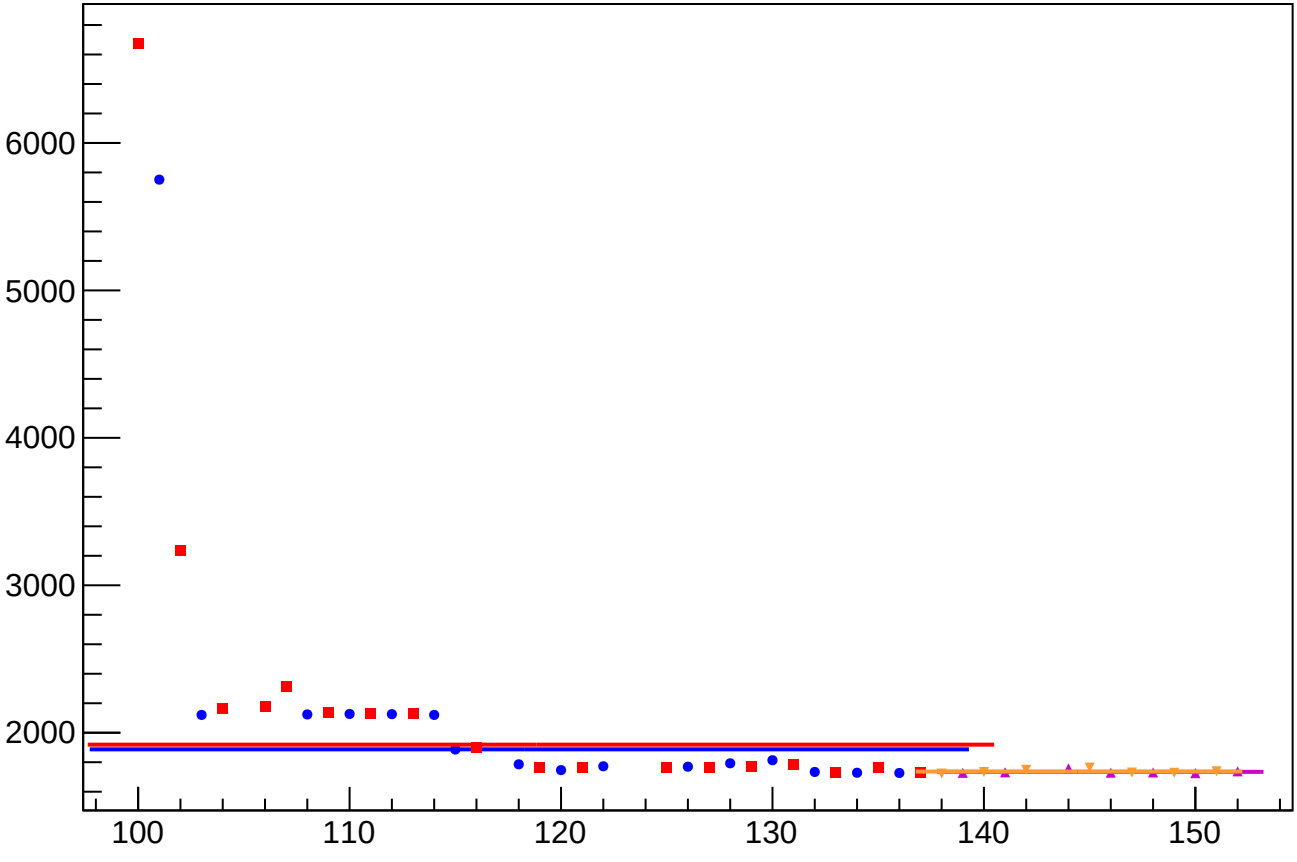
Left In: 727.813+/-700.096 χ^2/NDF:8.4/6

\+ sign 74.269+/-518.308 χ^2/NDF: 23.6/22

All: 189.350+/-361.291 χ^2/NDF: 49.9/47

\- sign 298.115+/-503.884 χ^2/NDF: 26.2/24

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1736.703+/-0.529 χ^2/NDF:578.7/6

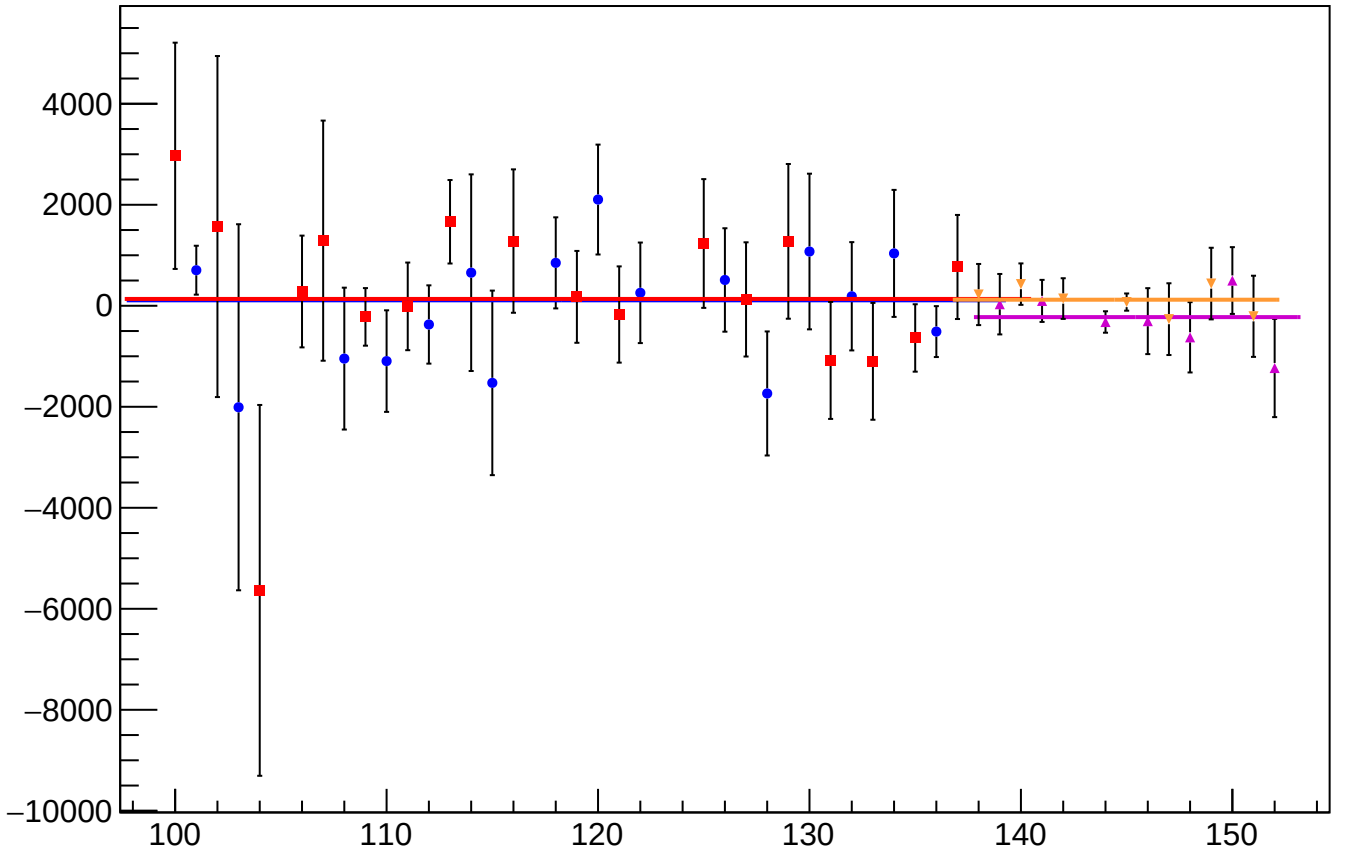
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1734.681+/-0.495 χ^2/NDF:448.0/6

+ sign 1815.064+/-0.366 χ^2/NDF: 732168.4/22

All: 1819.452+/-0.255 χ^2/NDF: 1152397.9/47

- sign 1823.599+/-0.356 χ^2/NDF: 419950.7/24



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 120.091+/-135.048 χ^2/NDF:1.3/6

Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

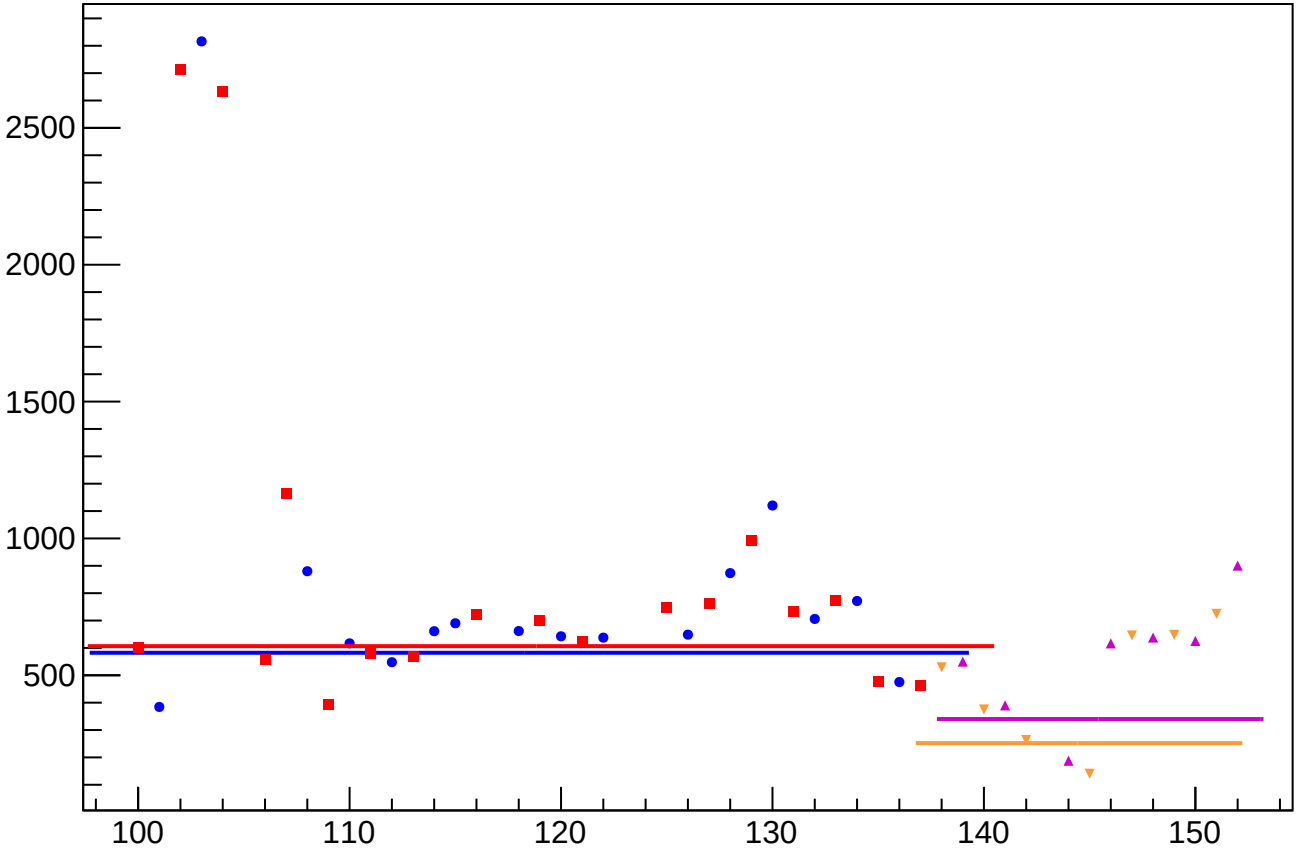
Left In: -224.373+/-161.153 χ^2/NDF:3.6/6

\+ sign 117.058+/-116.677 χ^2/NDF: 15.5/22

All: 17.097+/-88.218 χ^2/NDF: 36.7/47

\- sign -116.312+/-134.792 χ^2/NDF: 19.5/24

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 252.061+/-0.095 χ^2/NDF:3389259.1/6

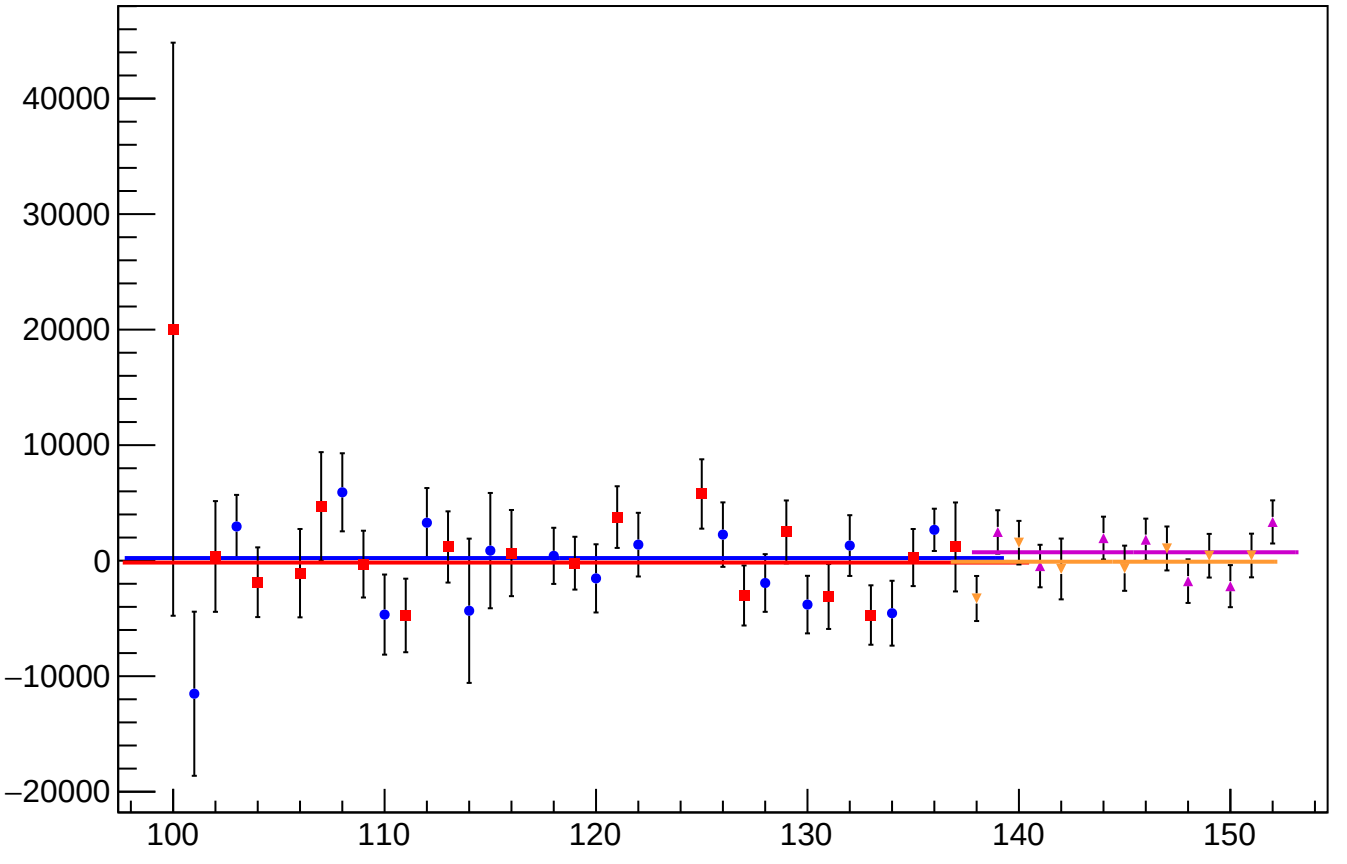
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 340.202+/-0.114 χ^2/NDF:3065993.6/6

\+ sign 335.789+/-0.083 χ^2/NDF: 8175423.8/22

All: 371.938+/-0.062 χ^2/NDF: 15527919.4/47

\- sign 420.182+/-0.095 χ^2/NDF: 6904312.8/24



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -90.552+/-748.347 χ^2/NDF:4.1/6

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

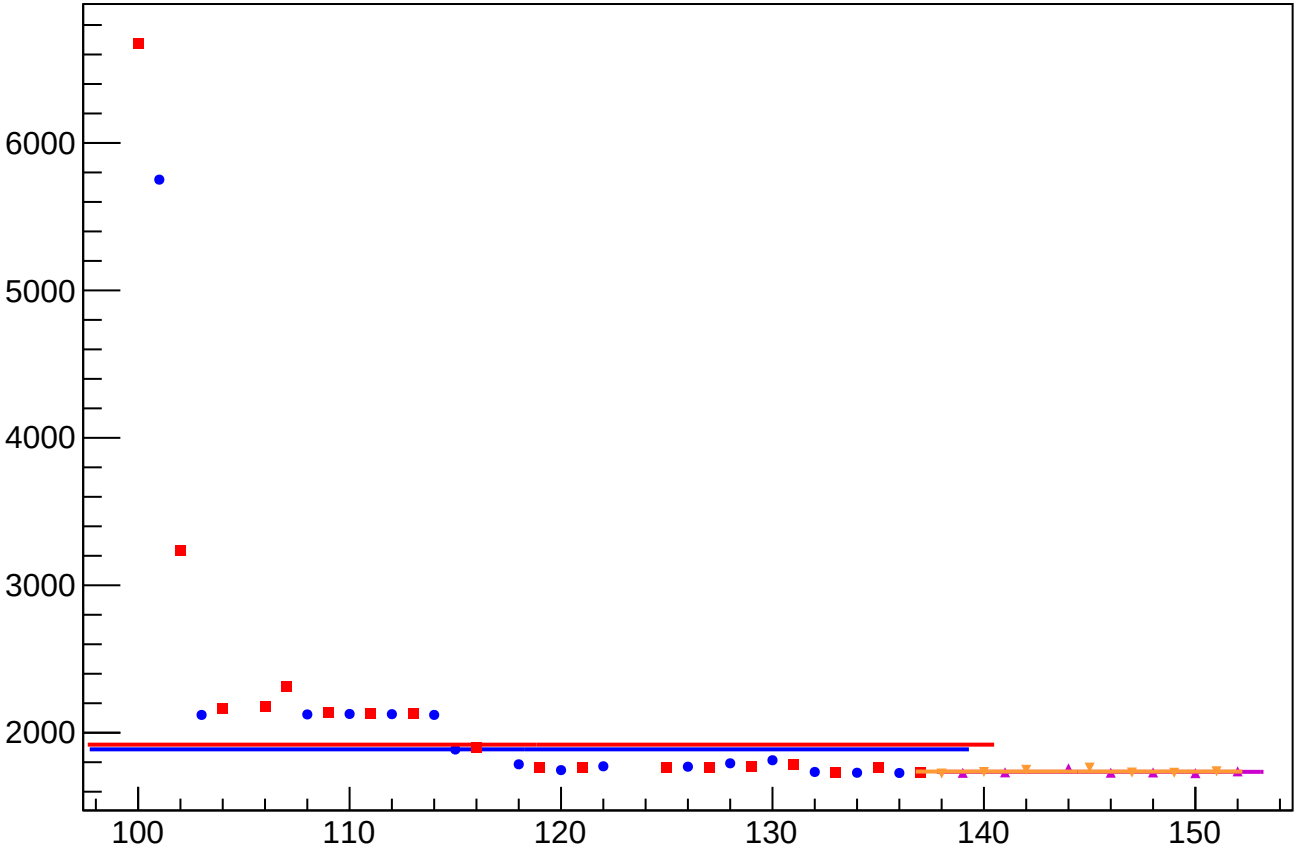
Left In: 727.811+/-700.097 χ^2/NDF:8.4/6

+ sign 74.269+/-518.308 χ^2/NDF: 23.6/22

All: 189.349+/-361.291 χ^2/NDF: 49.9/47

- sign 298.114+/-503.884 χ^2/NDF: 26.2/24

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: 1736.703+/-0.529 χ^2/NDF:578.7/6

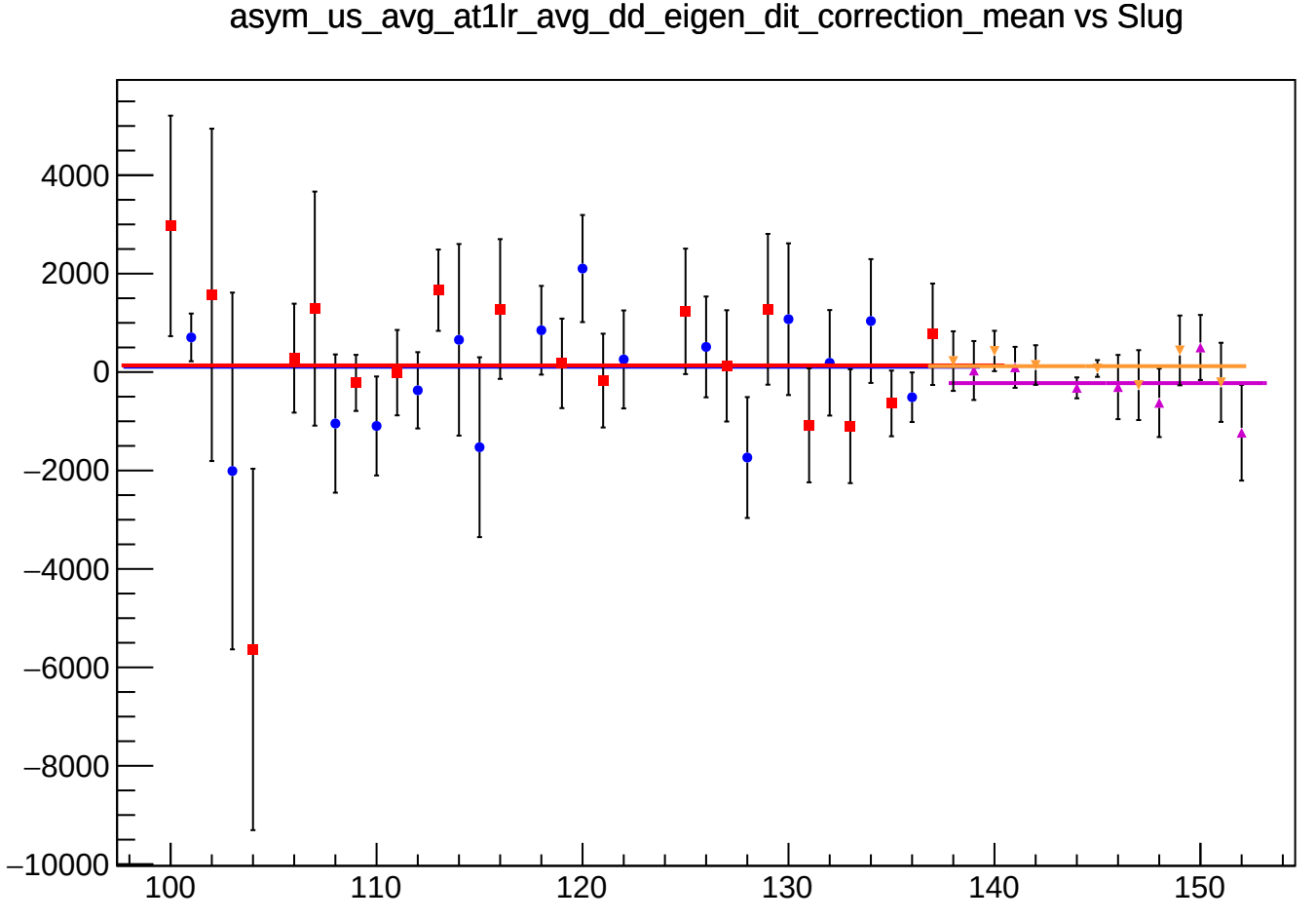
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1734.681+/-0.495 χ^2/NDF:448.0/6

+ sign 1815.064+/-0.366 χ^2/NDF: 732168.1/22

All: 1819.452+/-0.255 χ^2/NDF: 1152396.7/47

- sign 1823.599+/-0.356 χ^2/NDF: 419949.8/24



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 120.089+/-135.048 χ^2/NDF:1.3/6

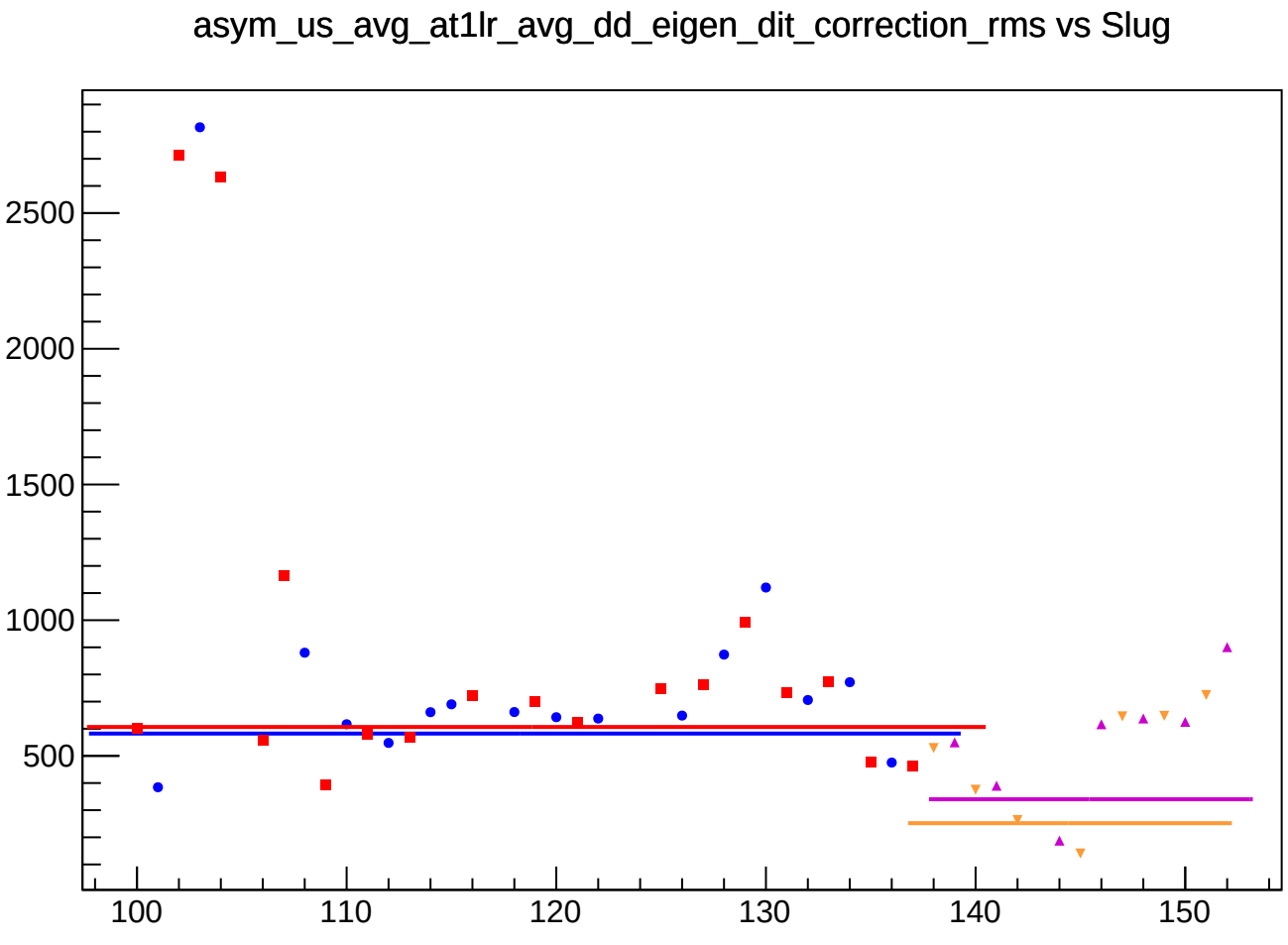
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -224.373+/-161.153 χ^2/NDF:3.6/6

\+ sign 117.056+/-116.677 χ^2/NDF: 15.5/22

All: 17.096+/-88.218 χ^2/NDF: 36.7/47

\- sign -116.311+/-134.792 χ^2/NDF: 19.5/24



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 252.061+/-0.095 χ^2/NDF:3389275.4/6

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

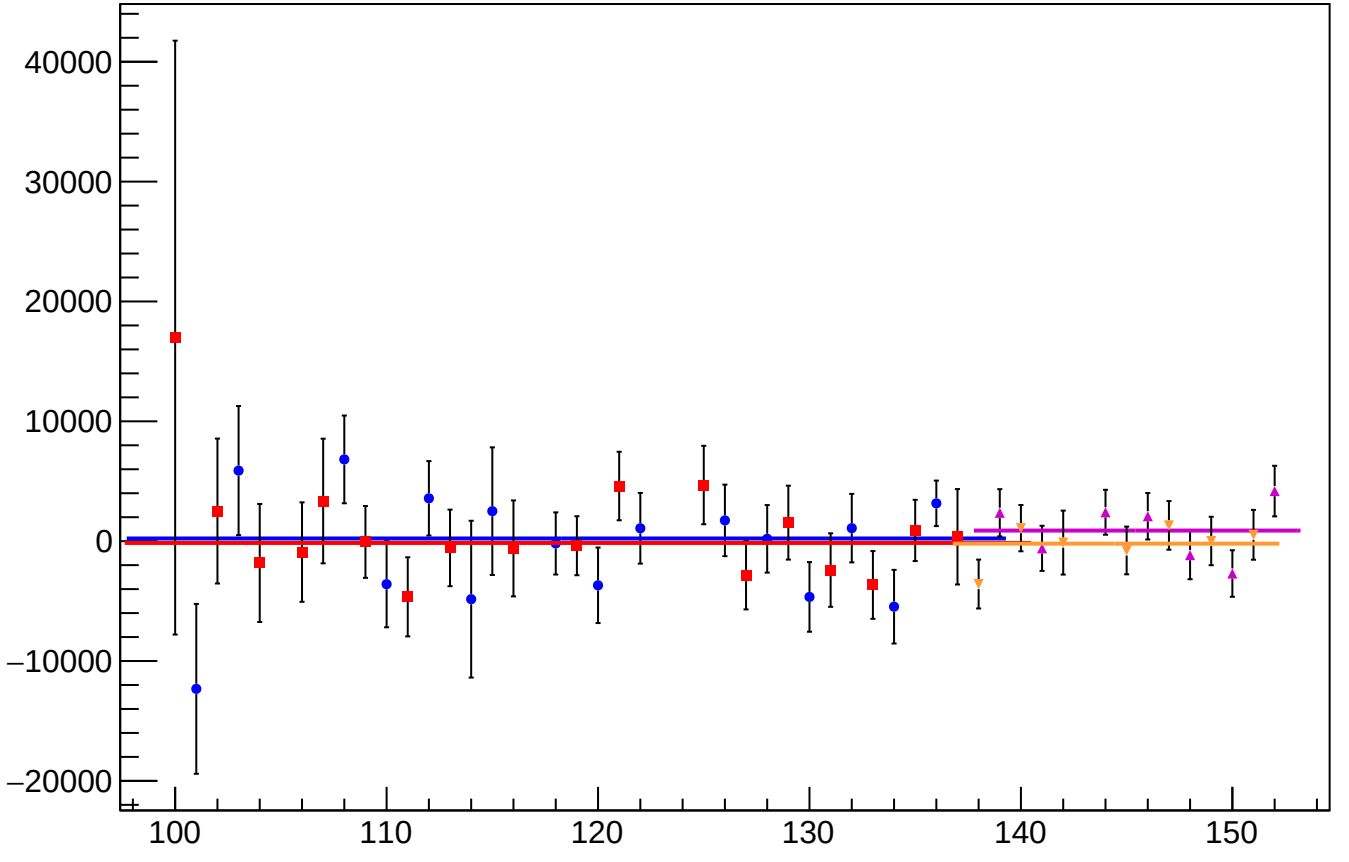
Left In: 340.203+/-0.114 χ^2/NDF:3066003.8/6

+ sign 335.789+/-0.083 χ^2/NDF: 8175412.5/22

All: 371.938+/-0.062 χ^2/NDF: 15527893.5/47

- sign 420.182+/-0.095 χ^2/NDF: 6904298.9/24

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -206.494+/-785.278 χ^2/NDF:4.0/6

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

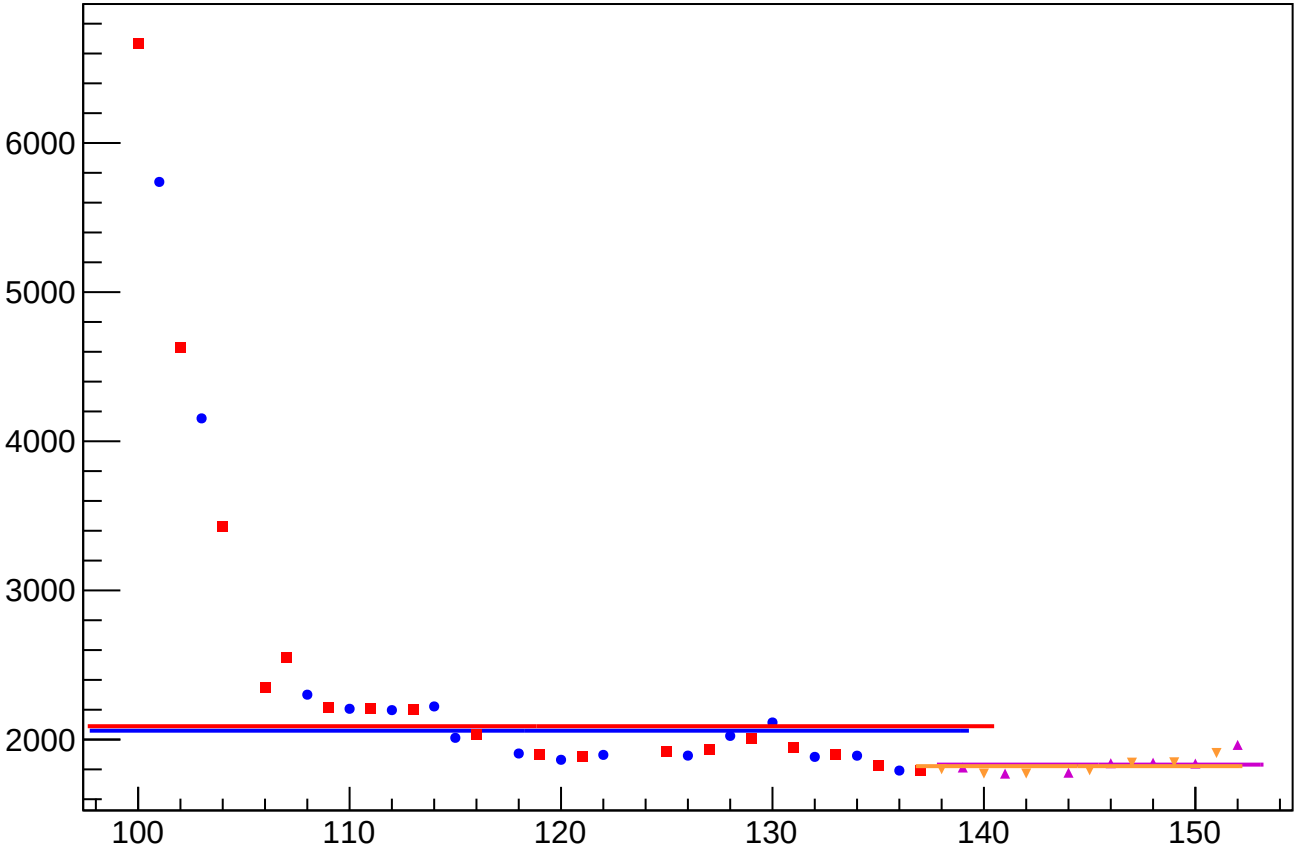
Left In: 884.633+/-739.747 χ^2/NDF:9.1/6

+ sign 7.265+/-557.524 χ^2/NDF: 25.3/22

All: 211.965+/-388.366 χ^2/NDF: 47.1/47

- sign 404.926+/-541.301 χ^2/NDF: 21.6/24

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1821.669+/-0.555 χ^2/NDF:6784.3/6

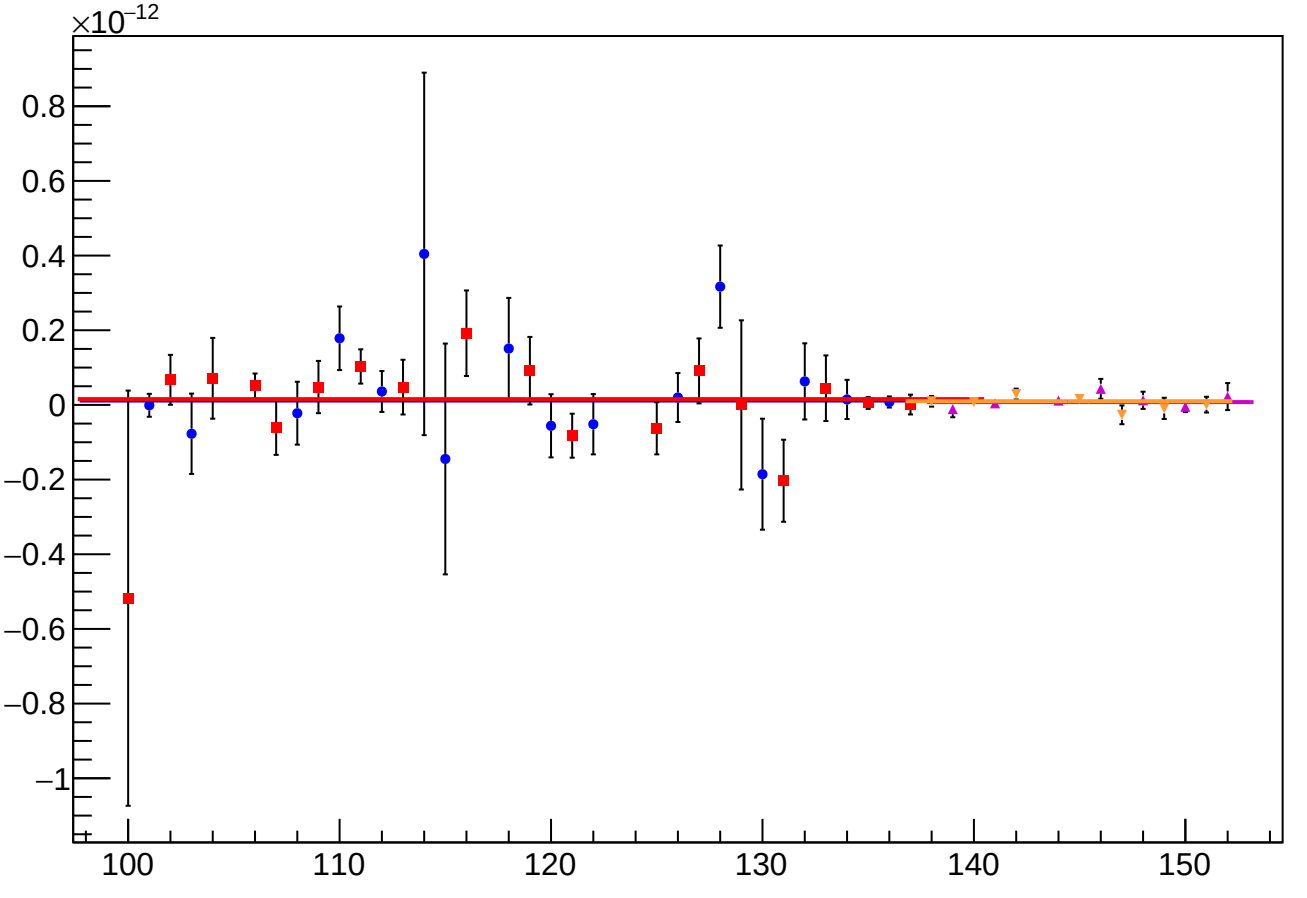
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1831.955+/-0.523 χ^2/NDF:11920.3/6

+ sign 1939.617+/-0.394 χ^2/NDF: 1037636.3/22

All: 1945.780+/-0.275 χ^2/NDF: 1844095.2/47

- sign 1951.589+/-0.383 χ^2/NDF: 805984.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.8/6

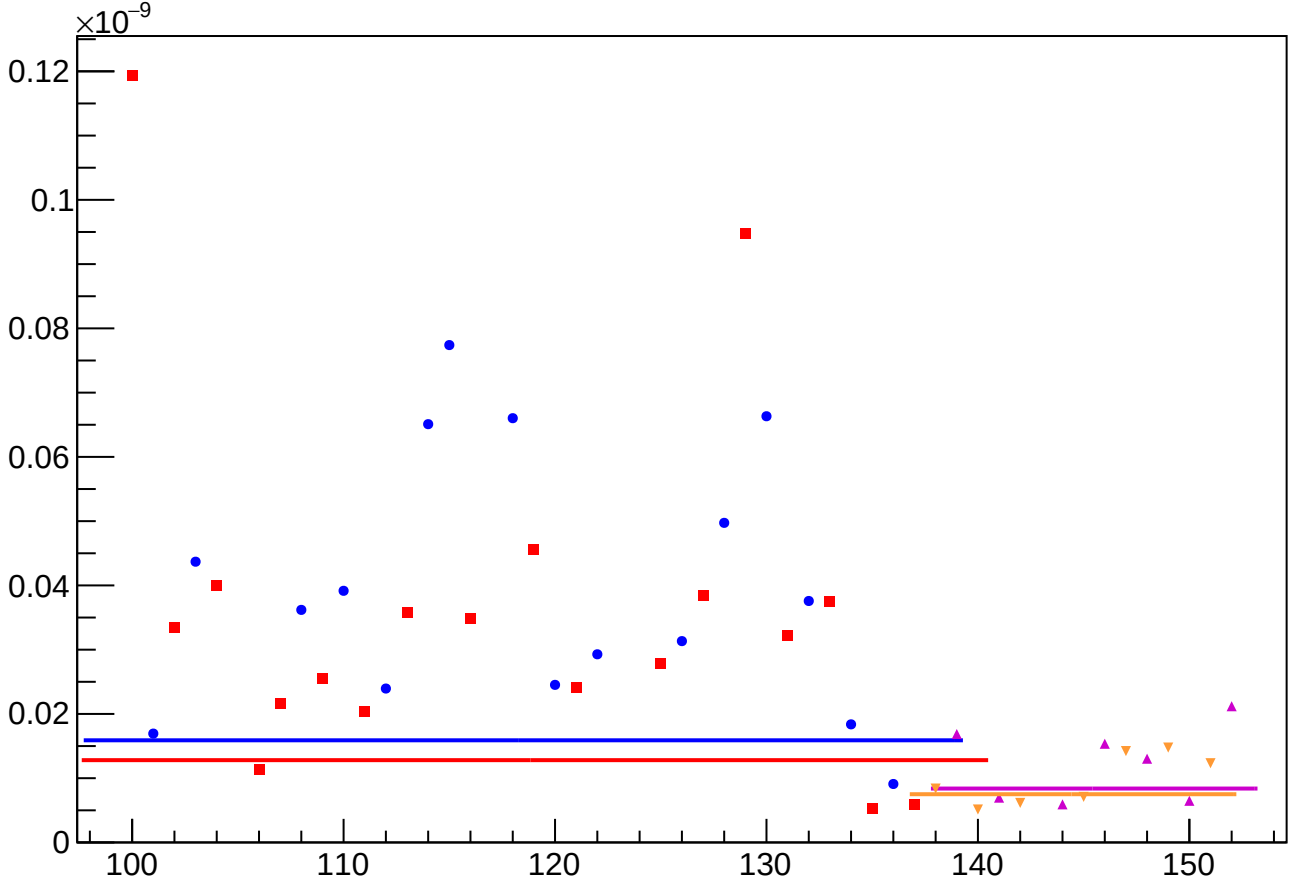
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:3.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 22.8/22

All: 0.000+/-0.000 χ^2/NDF: 47.7/47

- sign 0.000+/-0.000 χ^2/NDF: 24.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:528146.3/6

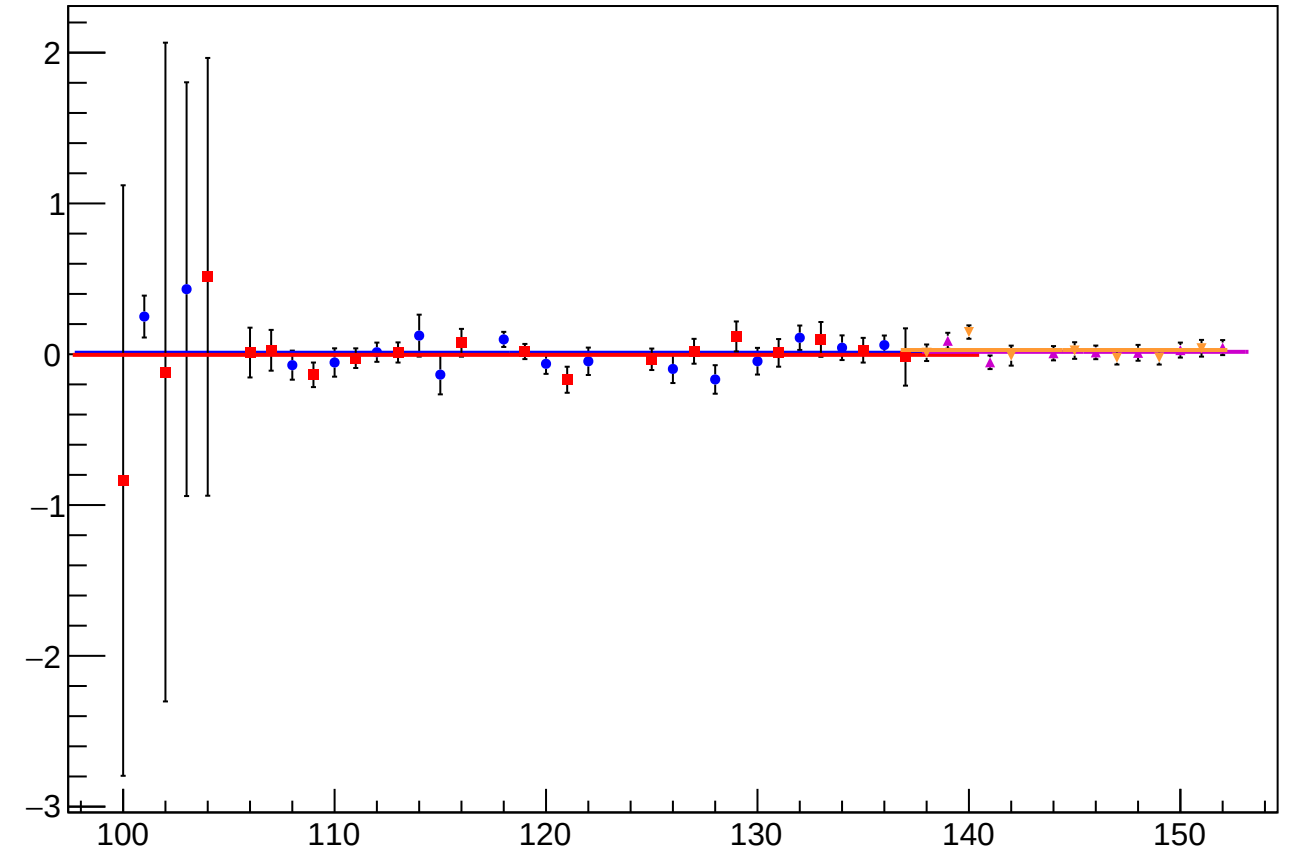
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:968302.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3317201.9/22

All: 0.000+/-0.000 χ^2/NDF: 7038183.4/47

- sign 0.000+/-0.000 χ^2/NDF: 3716370.1/24



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.028+/-0.019 χ^2/NDF:10.1/6

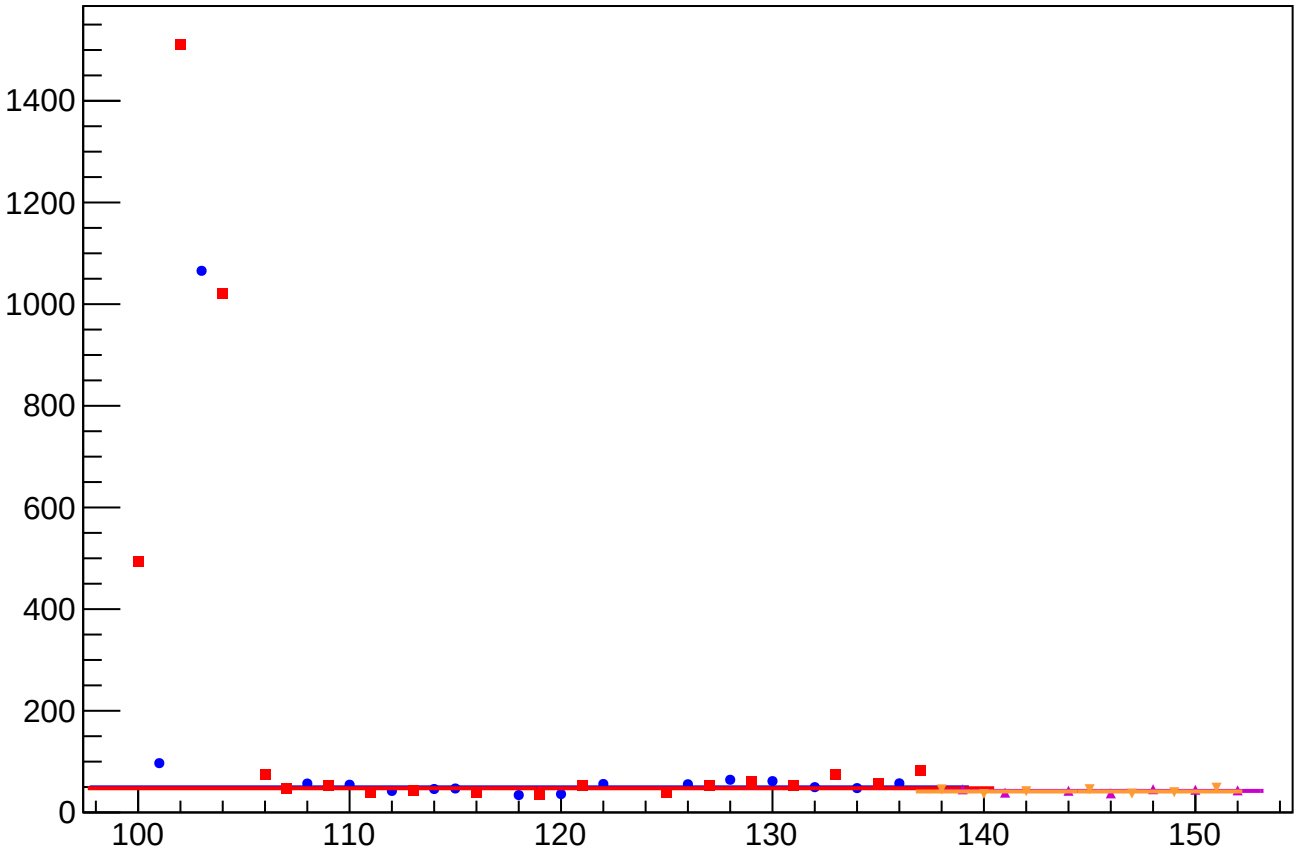
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.016+/-0.018 χ^2/NDF:4.7/6

+ sign 0.020+/-0.014 χ^2/NDF: 28.9/22

All: 0.014+/-0.010 χ^2/NDF: 45.0/47

- sign 0.008+/-0.014 χ^2/NDF: 15.7/24



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 41.260+/-0.014 χ^2/NDF:102526.8/6

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

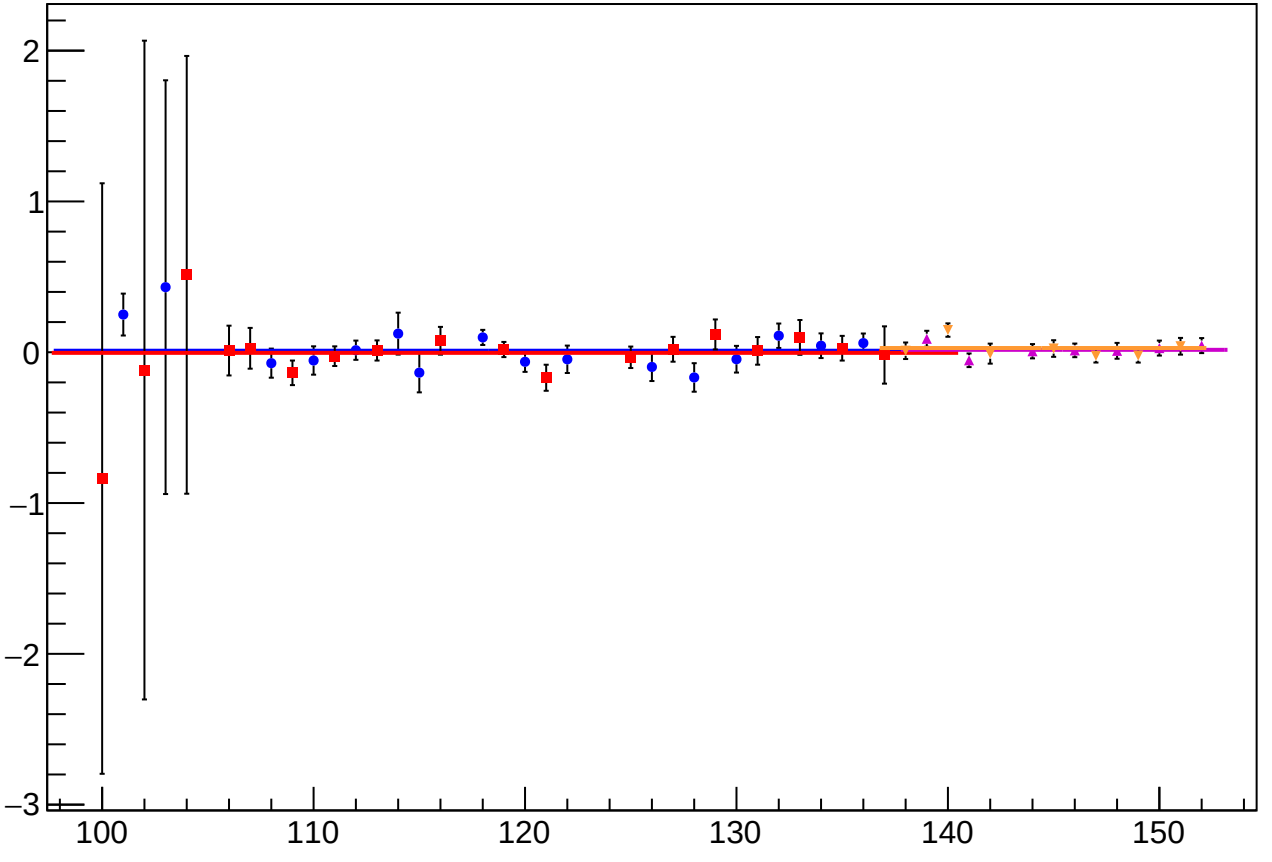
Left In: 42.377+/-0.013 χ^2/NDF:54198.5/6

+ sign 44.977+/-0.010 χ^2/NDF: 2039674.9/22

All: 44.778+/-0.007 χ^2/NDF: 4581001.6/47

- sign 44.586+/-0.010 χ^2/NDF: 2540560.0/24

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.028+/-0.019 χ^2/NDF:10.1/6

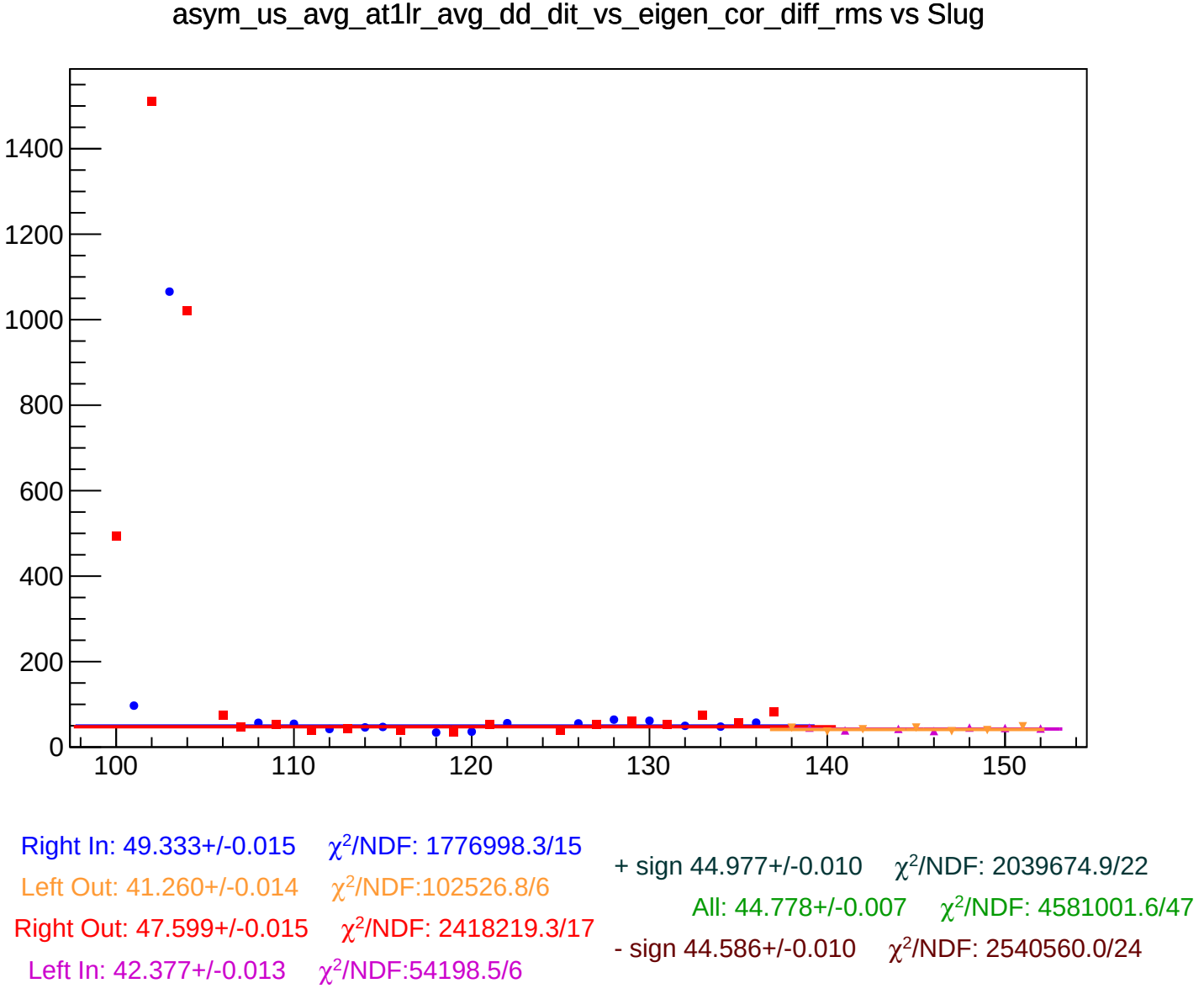
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

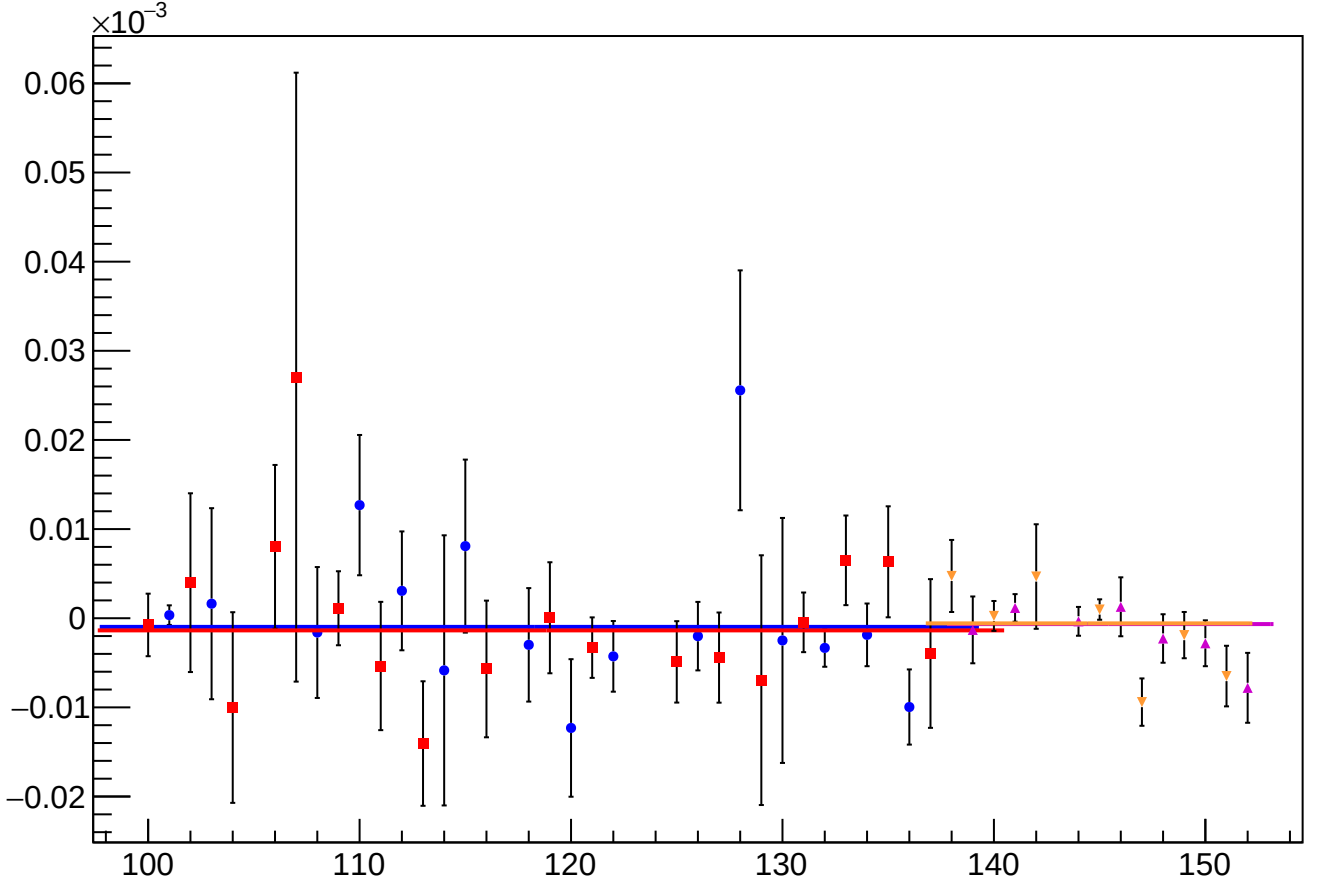
Left In: 0.016+/-0.018 χ^2/NDF:4.7/6

+ sign 0.020+/-0.014 χ^2/NDF: 28.9/22

All: 0.014+/-0.010 χ^2/NDF: 45.0/47

- sign 0.008+/-0.014 χ^2/NDF: 15.7/24


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 41.260+/-0.014 χ²/NDF:102526.8/6
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 42.377+/-0.013 χ²/NDF:54198.5/6
+ sign 44.977+/-0.010 χ²/NDF: 2039674.9/22
All: 44.778+/-0.007 χ²/NDF: 4581001.6/47
- sign 44.586+/-0.010 χ²/NDF: 2540560.0/24



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/6

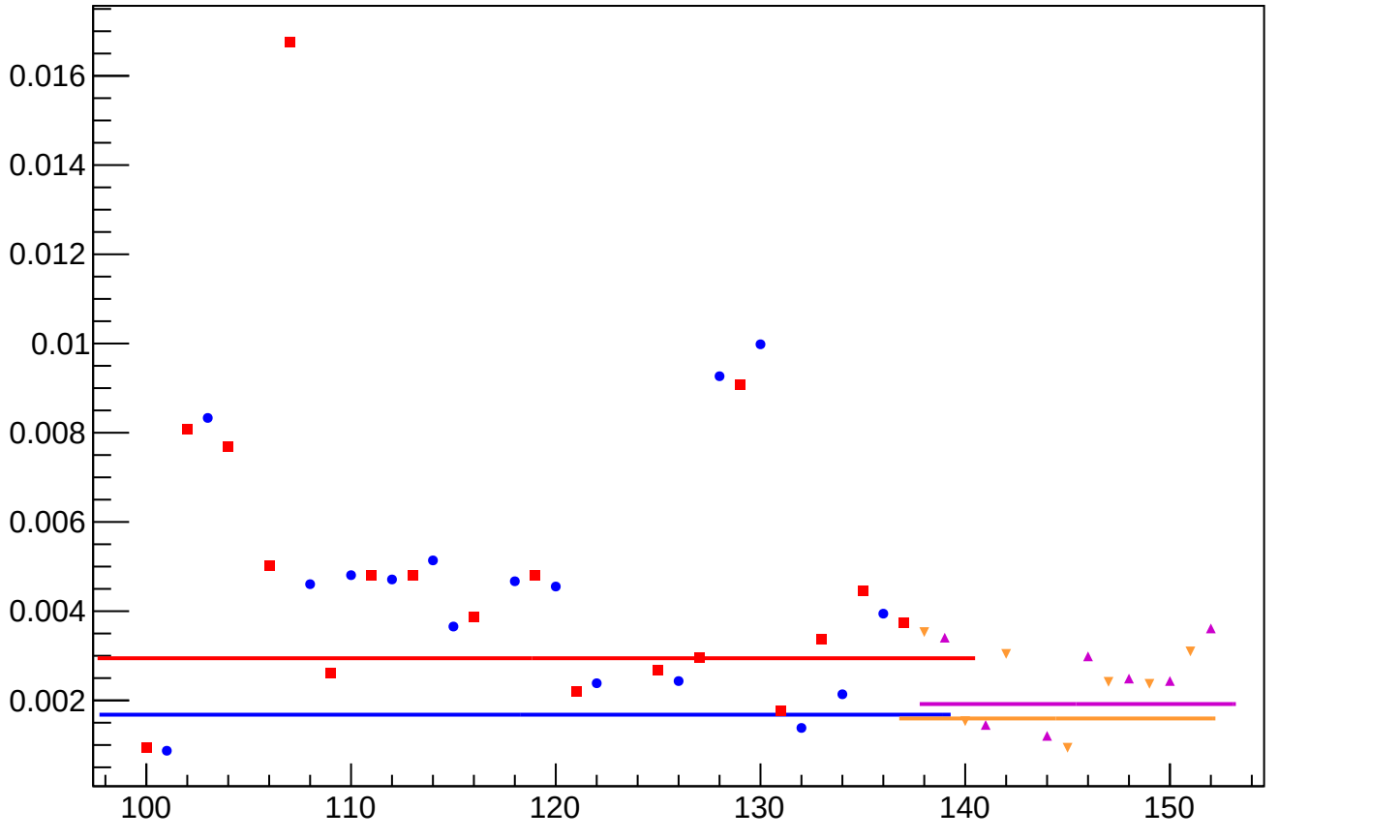
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:6.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 37.7/22

All: -0.000+/-0.000 χ^2/NDF: 56.7/47

- sign -0.000+/-0.000 χ^2/NDF: 19.0/24



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:2000531.9/6

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

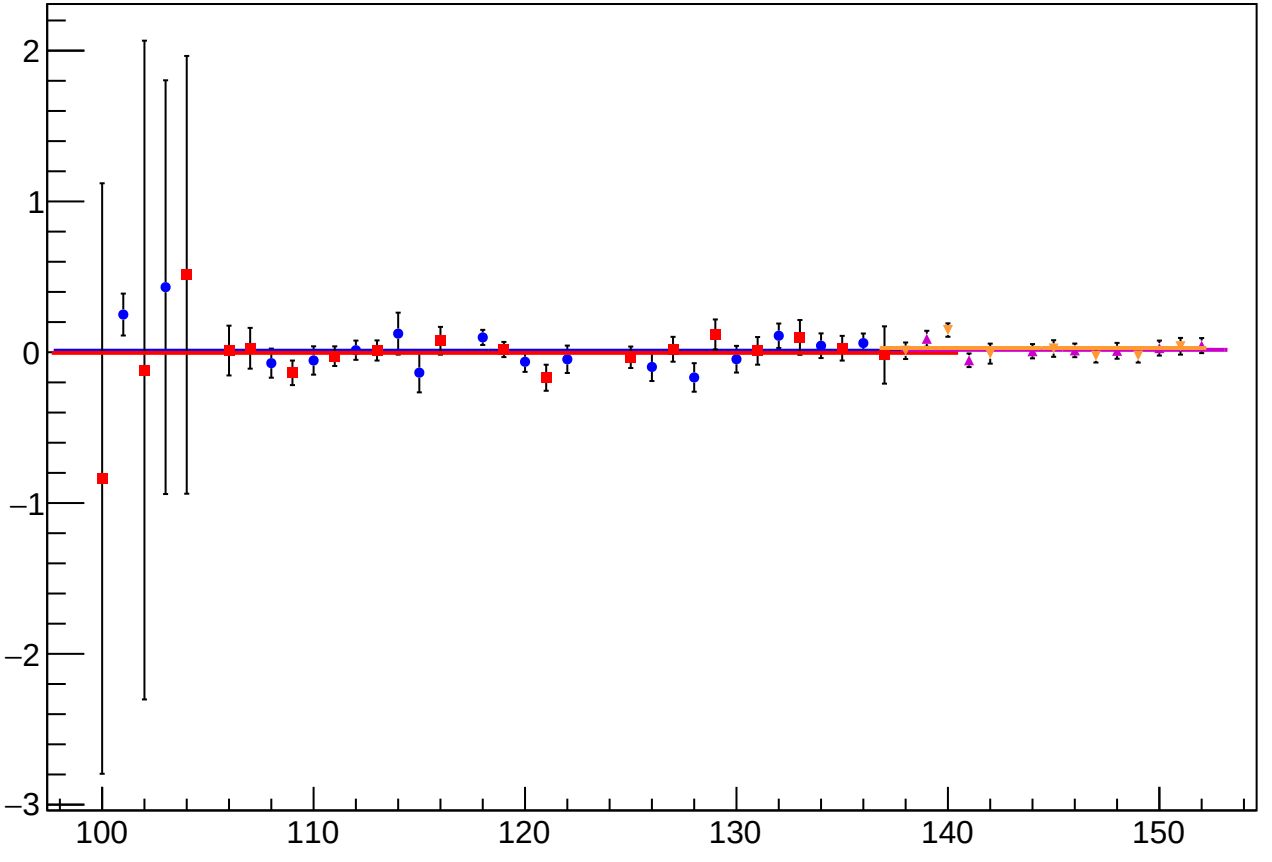
Left In: 0.002+/-0.000 χ^2/NDF:1640372.8/6

+ sign 0.002+/-0.000 χ^2/NDF: 7971653.6/22

All: 0.002+/-0.000 χ^2/NDF: 14722491.4/47

- sign 0.002+/-0.000 χ^2/NDF: 5889751.2/24

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.028+/-0.019 χ^2/NDF:10.1/6

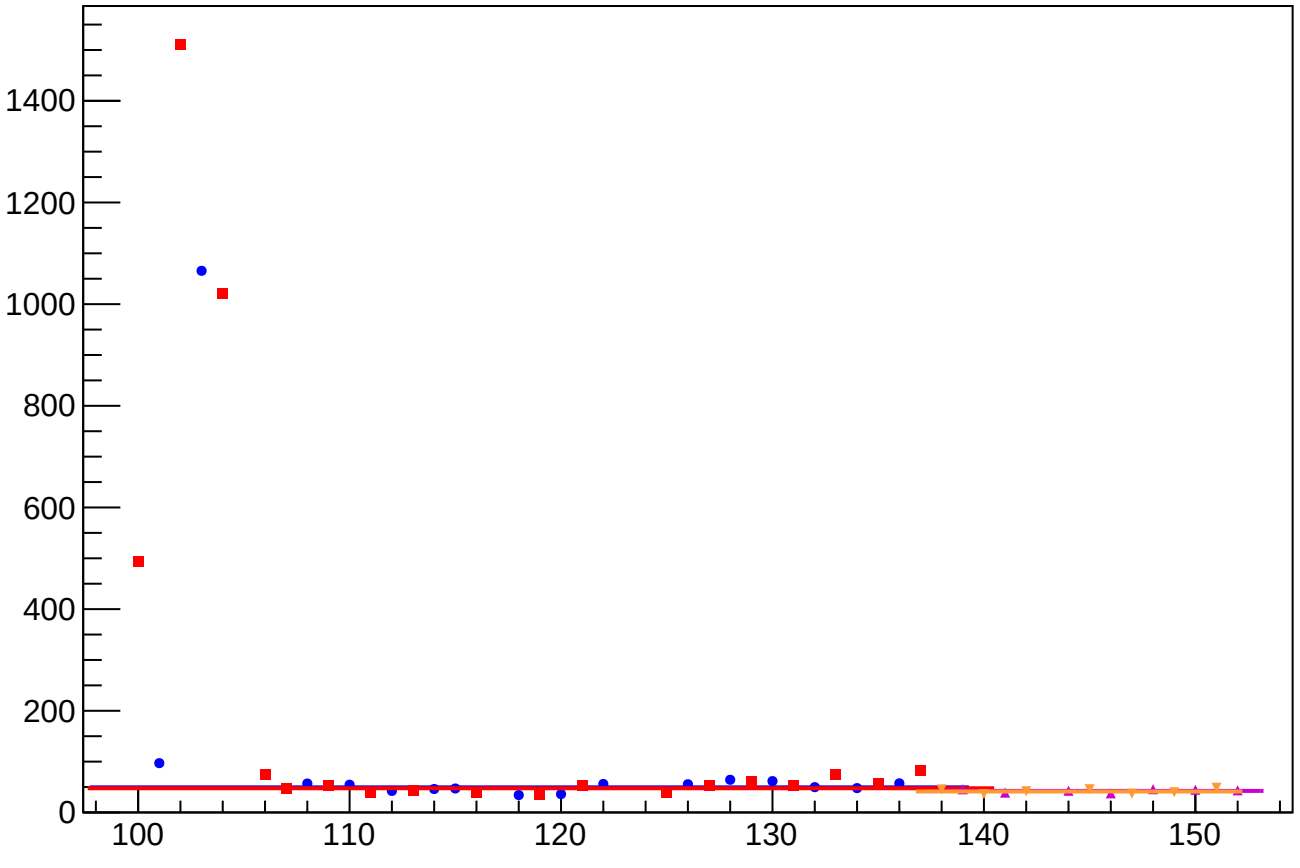
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.016+/-0.018 χ^2/NDF:4.7/6

+ sign 0.020+/-0.014 χ^2/NDF: 28.9/22

All: 0.014+/-0.010 χ^2/NDF: 45.0/47

- sign 0.008+/-0.014 χ^2/NDF: 15.7/24



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 41.260+/-0.014 χ^2/NDF:102532.7/6

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

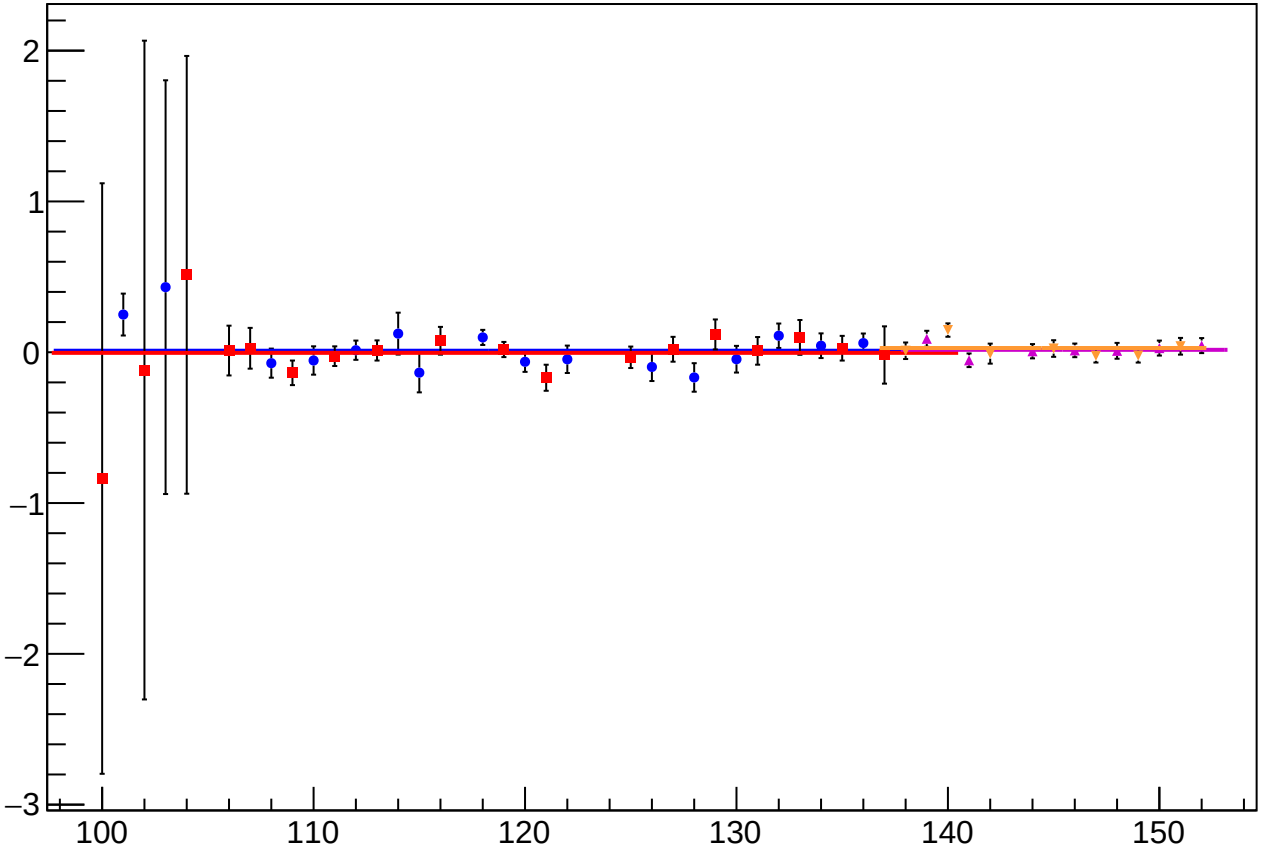
Left In: 42.376+/-0.013 χ^2/NDF:54213.2/6

+ sign 44.977+/-0.010 χ^2/NDF: 2039613.4/22

All: 44.778+/-0.007 χ^2/NDF: 4580988.7/47

- sign 44.586+/-0.010 χ^2/NDF: 2540604.5/24

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: 0.028+/-0.019 χ^2/NDF:10.1/6

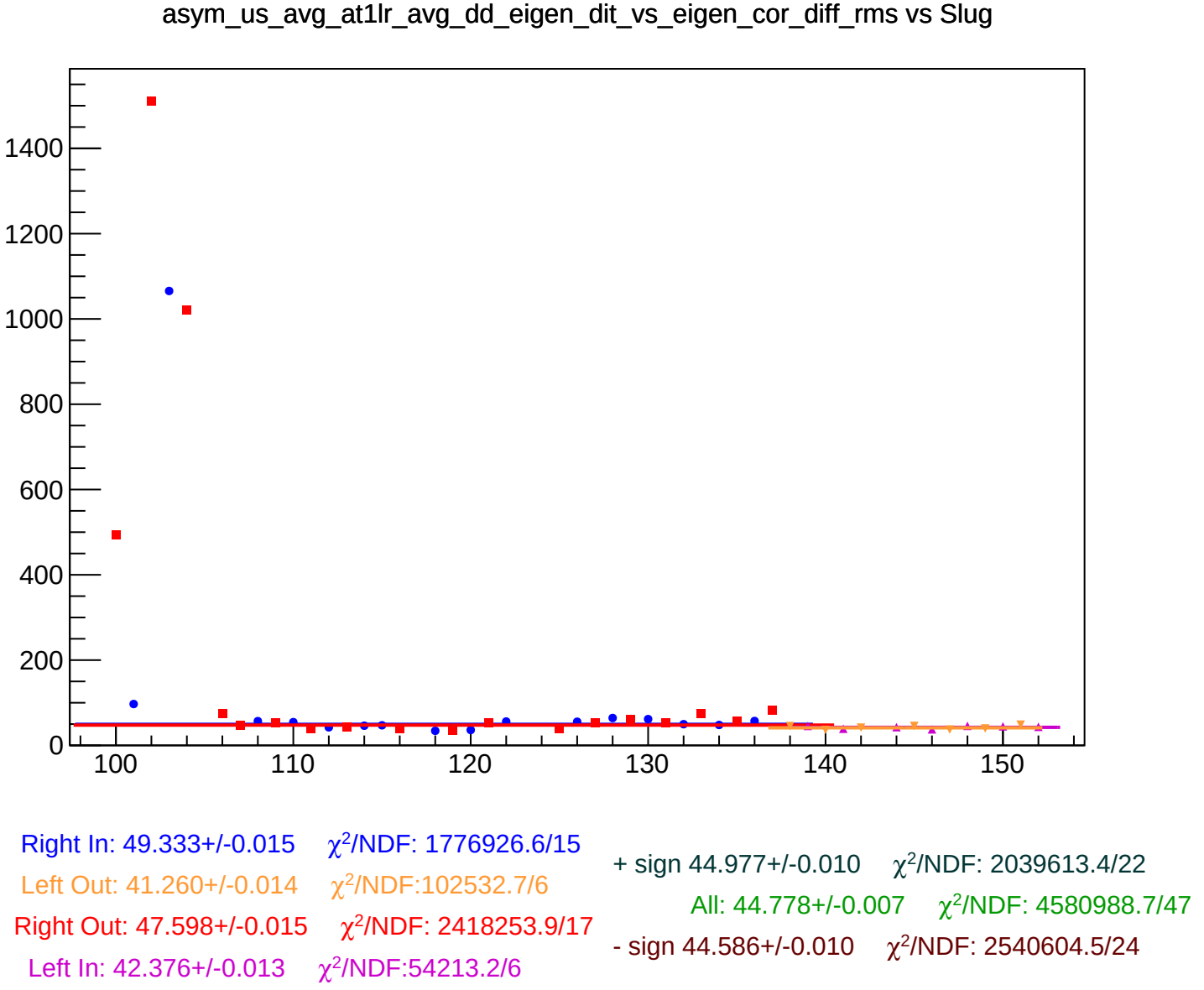
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

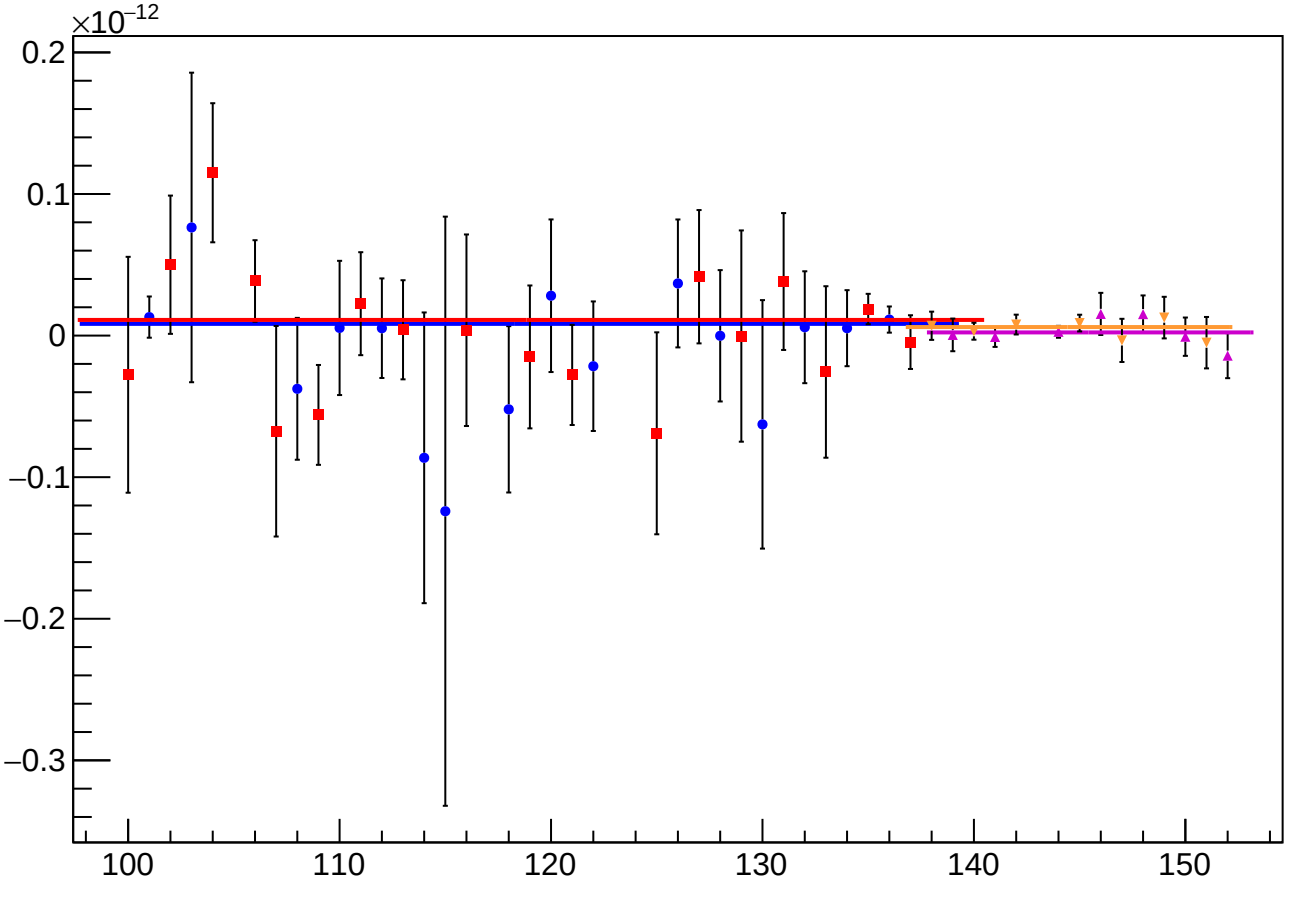
Left In: 0.016+/-0.018 χ^2/NDF:4.7/6

+ sign 0.020+/-0.014 χ^2/NDF: 28.9/22

All: 0.014+/-0.010 χ^2/NDF: 45.0/47

- sign 0.008+/-0.014 χ^2/NDF: 15.7/24


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 41.260+/-0.014 χ²/NDF:102532.7/6
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 42.376+/-0.013 χ²/NDF:54213.2/6
+ sign 44.977+/-0.010 χ²/NDF: 2039613.4/22
All: 44.778+/-0.007 χ²/NDF: 4580988.7/47
- sign 44.586+/-0.010 χ²/NDF: 2540604.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/6

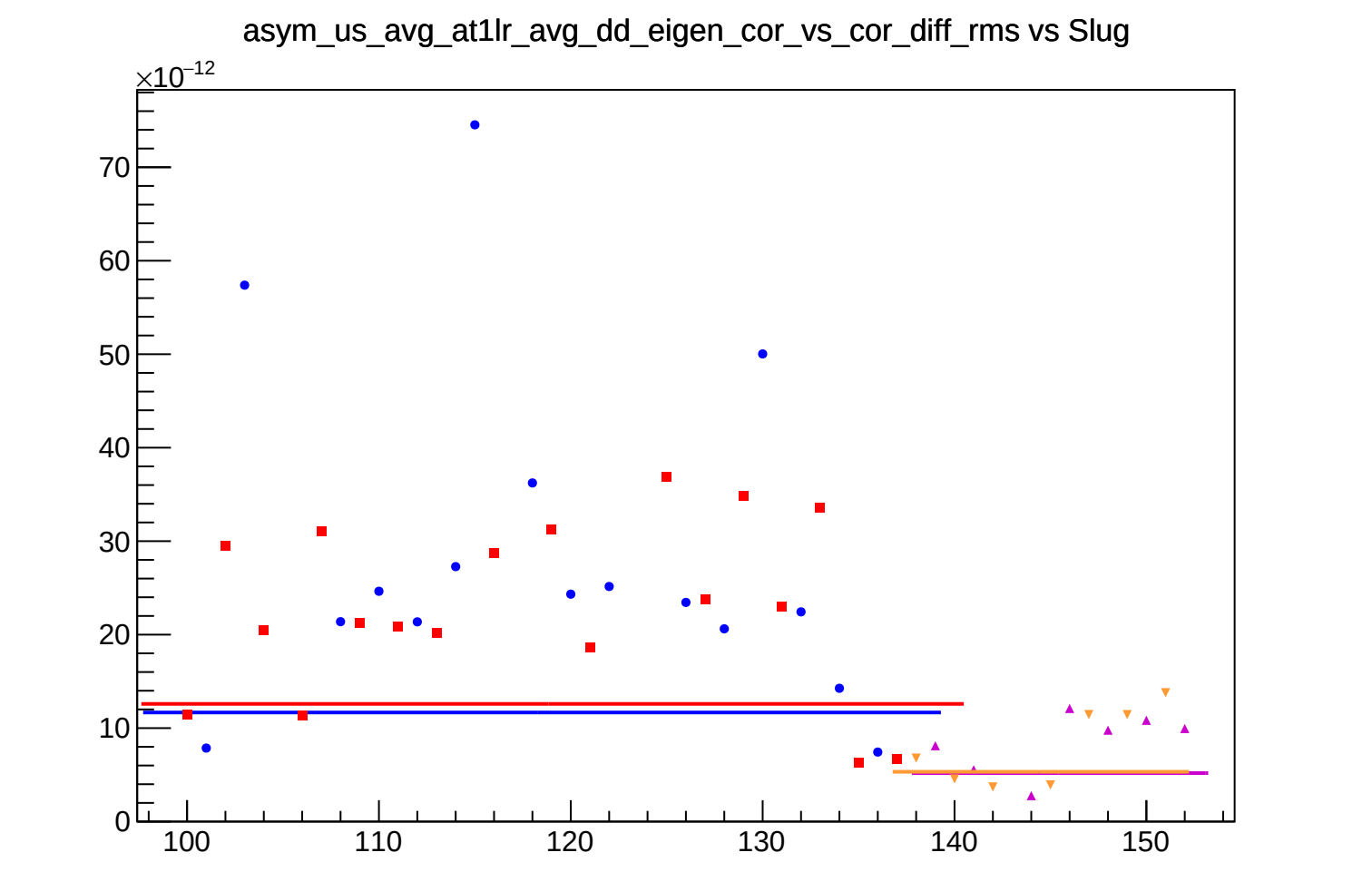
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:3.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 7.0/22

All: 0.000+/-0.000 χ^2/NDF: 28.1/47

- sign 0.000+/-0.000 χ^2/NDF: 20.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1399171.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

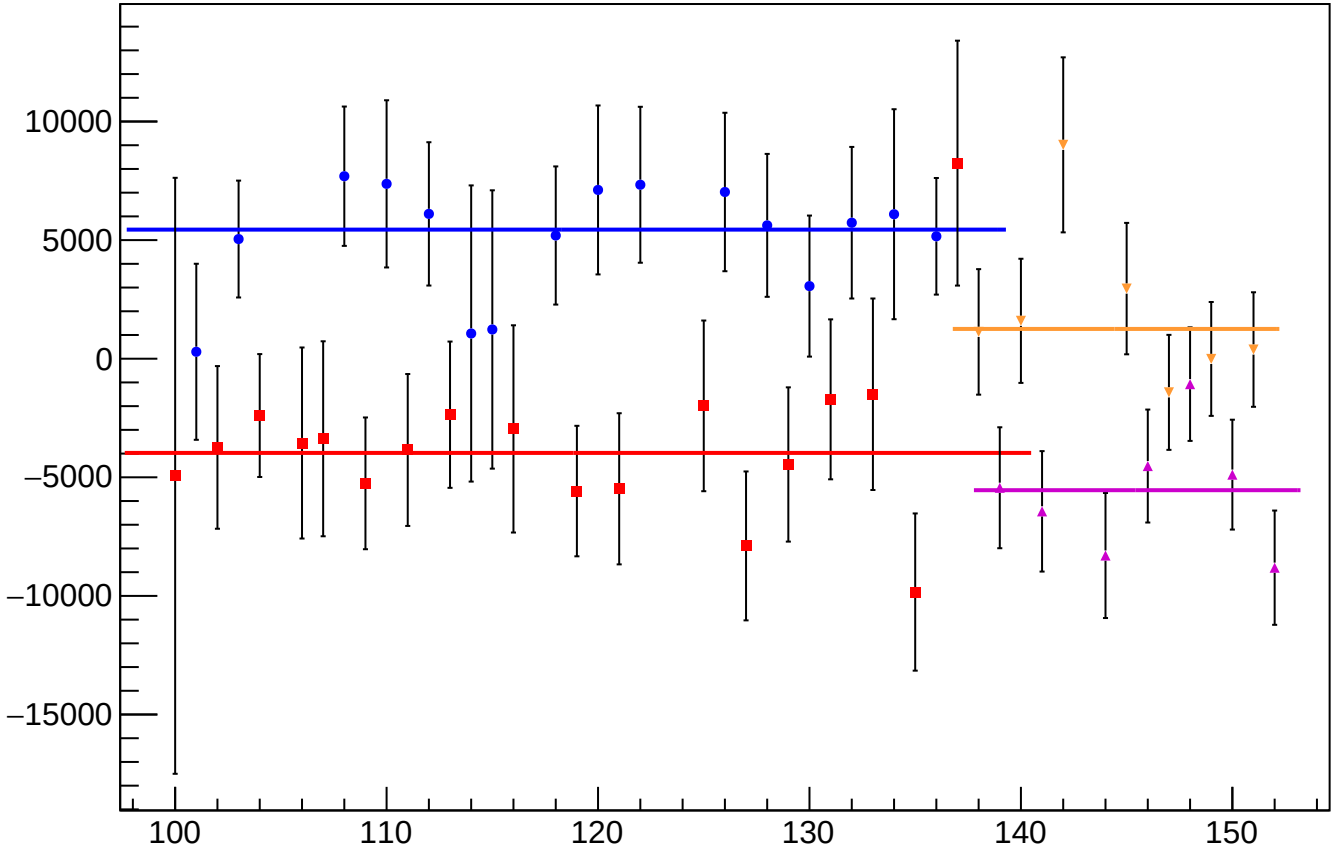
Left In: 0.000+/-0.000 χ^2/NDF:1996914.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 5780152.5/22

All: 0.000+/-0.000 χ^2/NDF: 12474854.3/47

- sign 0.000+/-0.000 χ^2/NDF: 6691564.0/24

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1255.317+/-996.067 χ^2/NDF:6.4/6

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

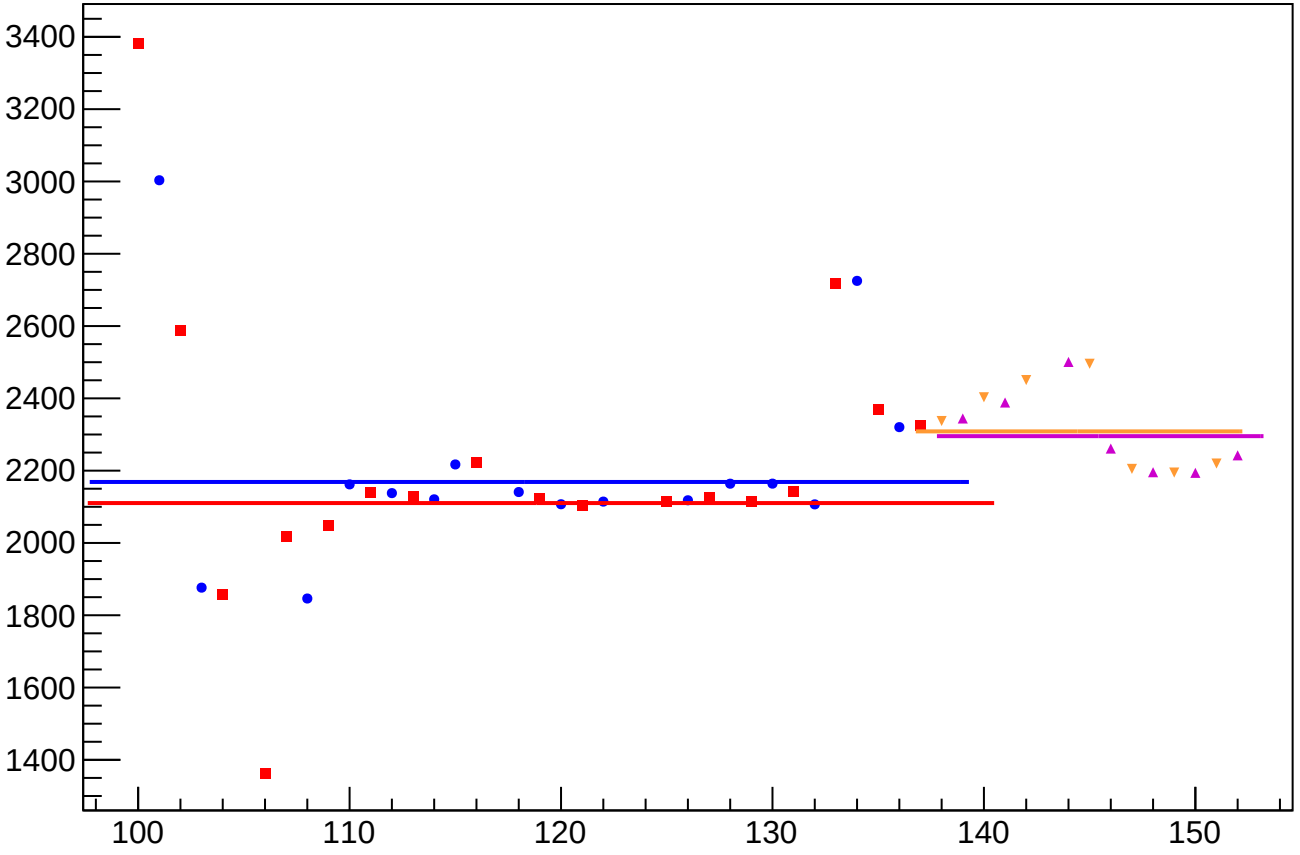
Left In: -5543.281+/-927.458 χ^2/NDF:6.8/6

+ sign 3769.386+/-629.618 χ^2/NDF: 22.4/22

All: -576.241+/-437.983 χ^2/NDF: 136.1/47

- sign -4650.815+/-609.666 χ^2/NDF: 21.4/24

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2308.634+/-0.704 χ^2/NDF:25796.6/6

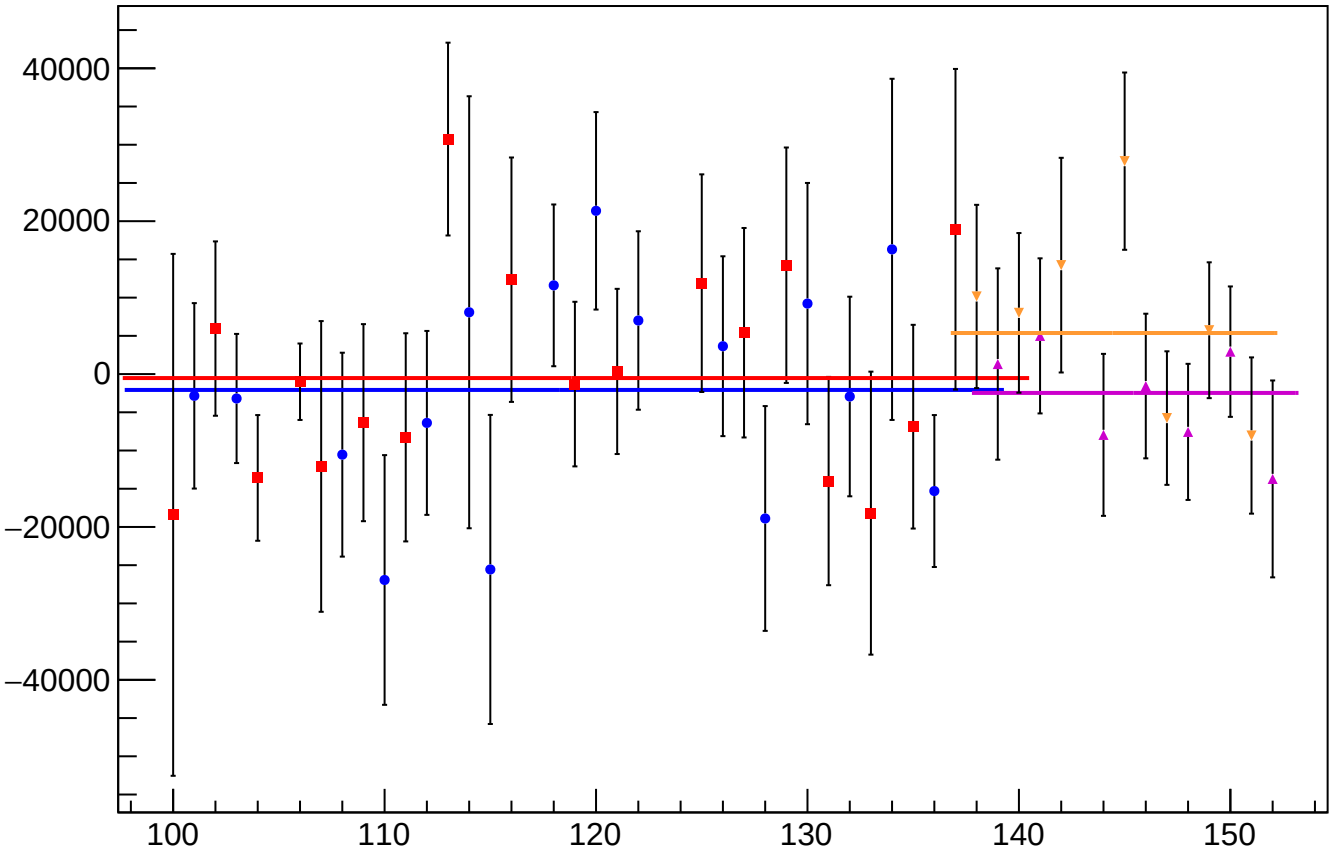
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2295.453+/-0.656 χ^2/NDF:24257.8/6

+ sign 2224.621+/-0.445 χ^2/NDF: 245152.2/22

All: 2206.018+/-0.308 χ^2/NDF: 586034.9/47

- sign 2188.893+/-0.427 χ^2/NDF: 337529.5/24



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 5372.927+/-3953.177 χ^2/NDF:7.7/6

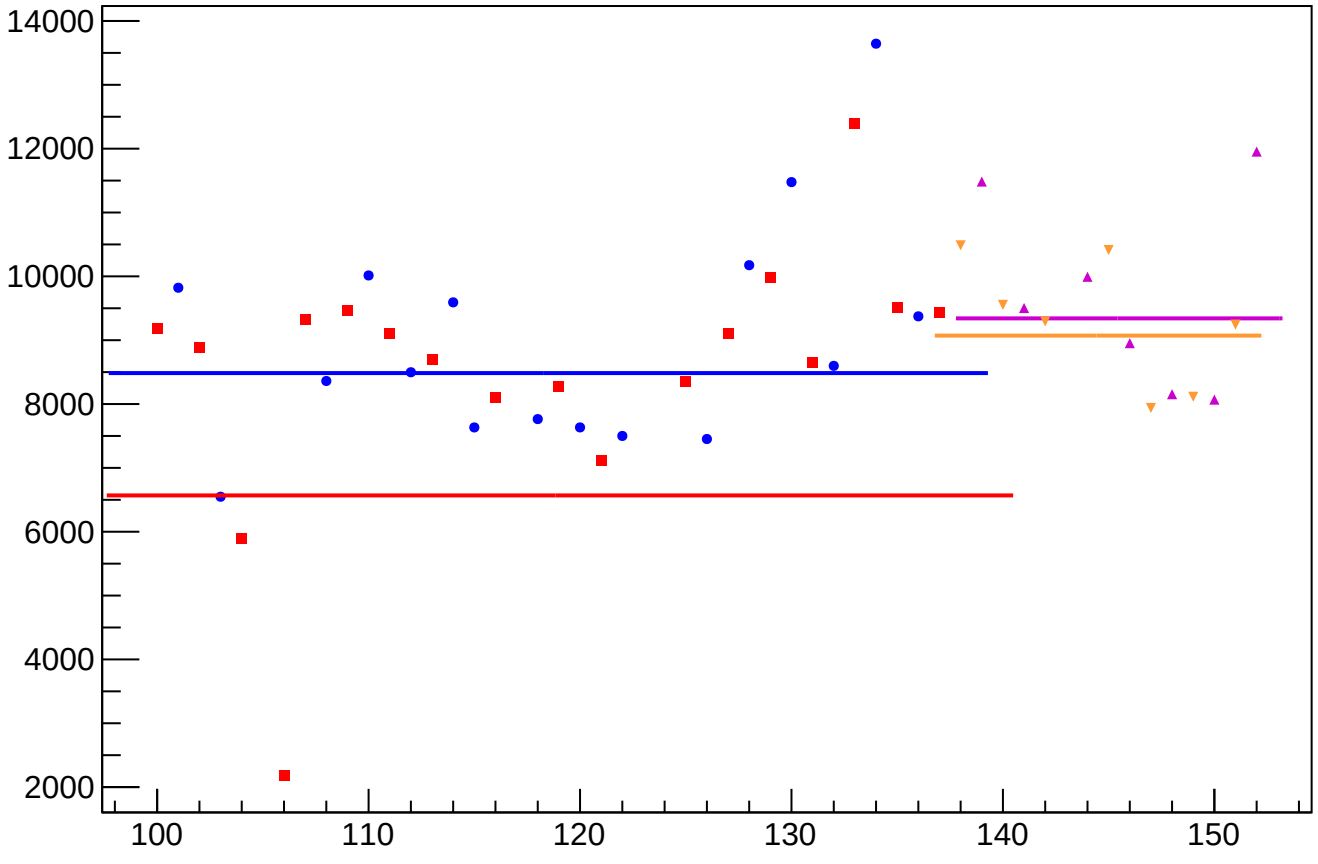
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -2466.234+/-3818.568 χ^2/NDF:2.4/6

+ sign 886.892+/-2492.908 χ^2/NDF: 24.3/22

All: -266.053+/-1654.994 χ^2/NDF: 42.9/47

- sign -1174.655+/-2213.038 χ^2/NDF: 18.3/24



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9072.039+/-2.795 χ^2/NDF:116805.7/6

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

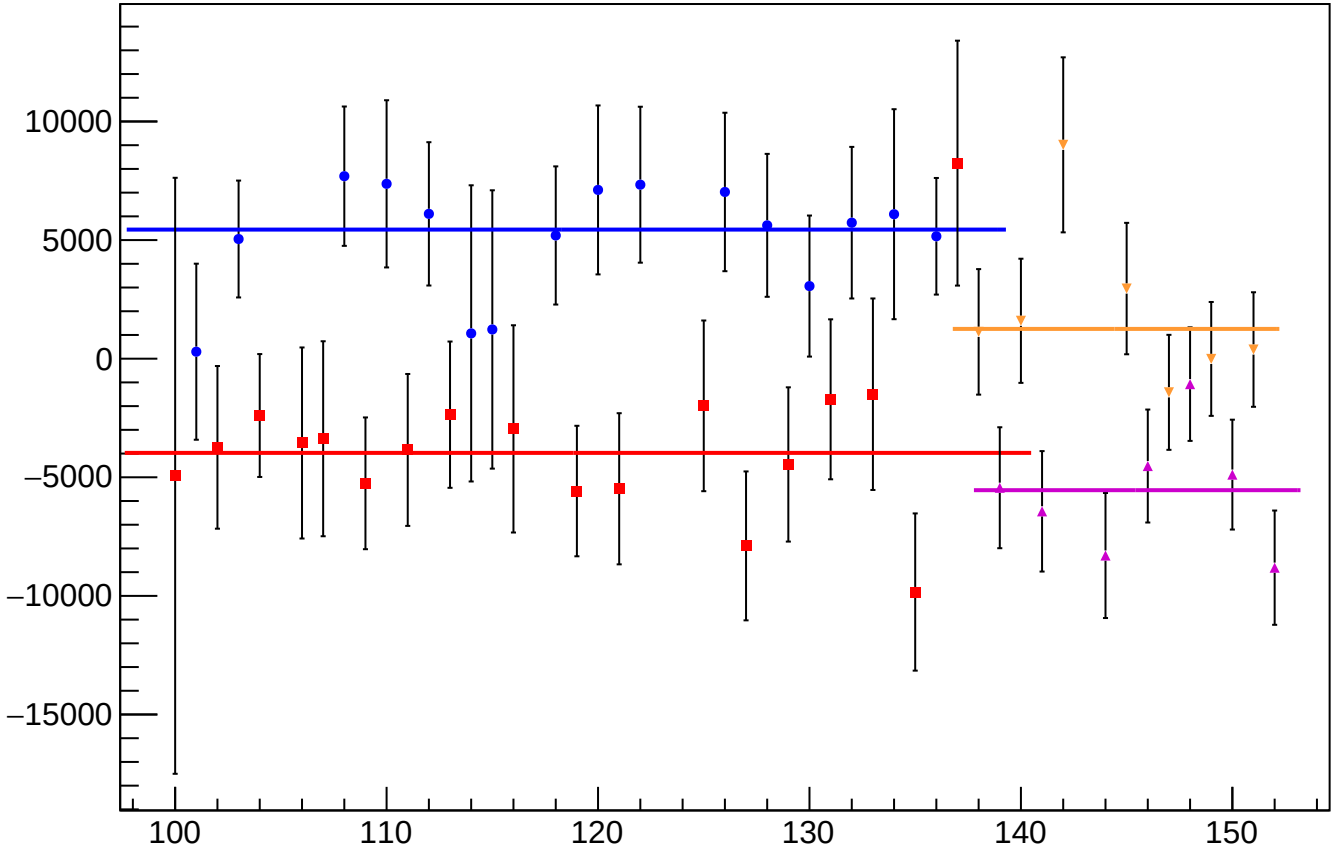
Left In: 9341.872+/-2.700 χ^2/NDF:232496.4/6

+ sign 8718.446+/-1.763 χ^2/NDF: 566076.7/22

All: 8037.096+/-1.170 χ^2/NDF: 4335137.0/47

- sign 7500.144+/-1.565 χ^2/NDF: 3501918.0/24

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1255.201+/-996.067 χ^2/NDF:6.4/6

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

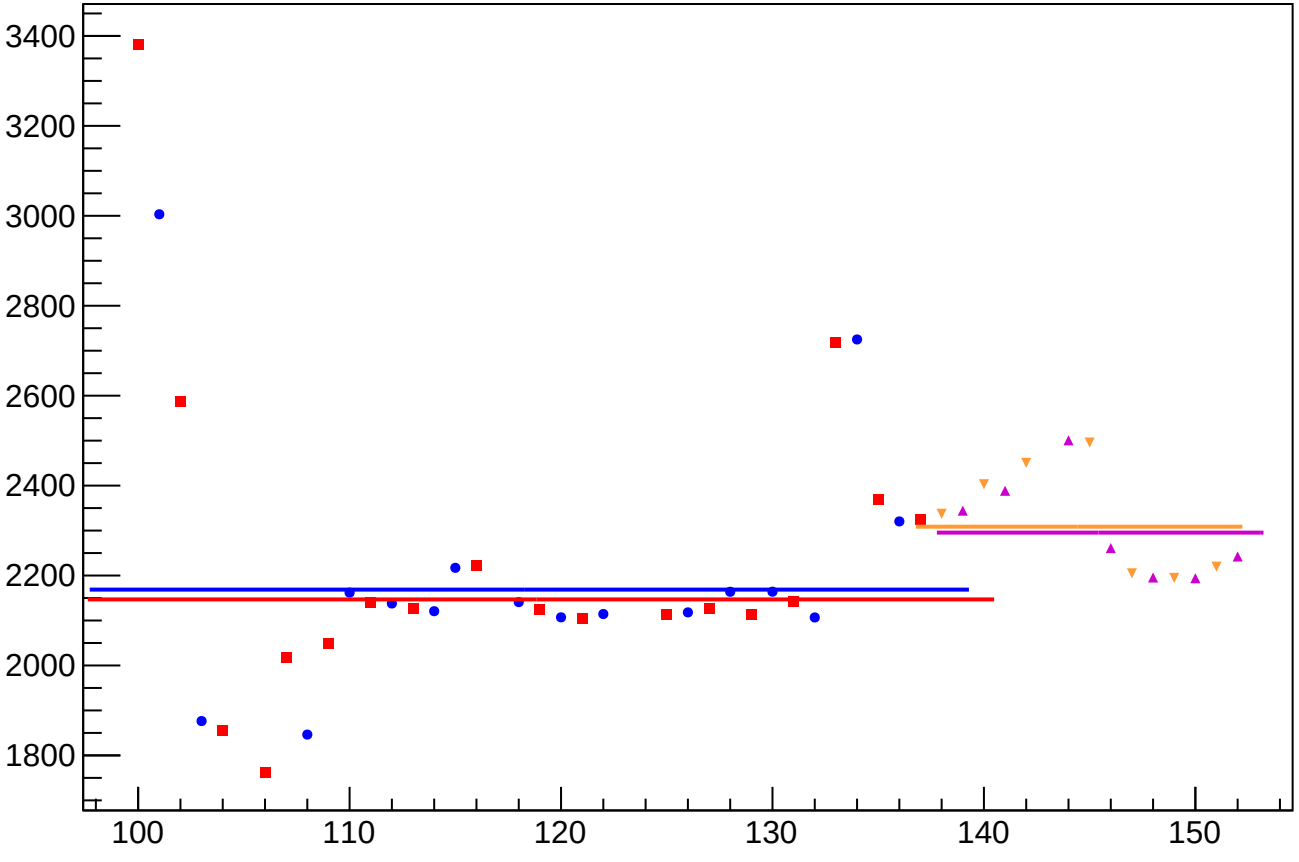
Left In: -5543.531+/-927.458 χ^2/NDF:6.8/6

+ sign 3769.425+/-629.618 χ^2/NDF: 22.4/22

All: -576.202+/-437.983 χ^2/NDF: 136.1/47

- sign -4650.777+/-609.666 χ^2/NDF: 21.4/24

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2308.634+/-0.704 χ^2/NDF:25796.6/6

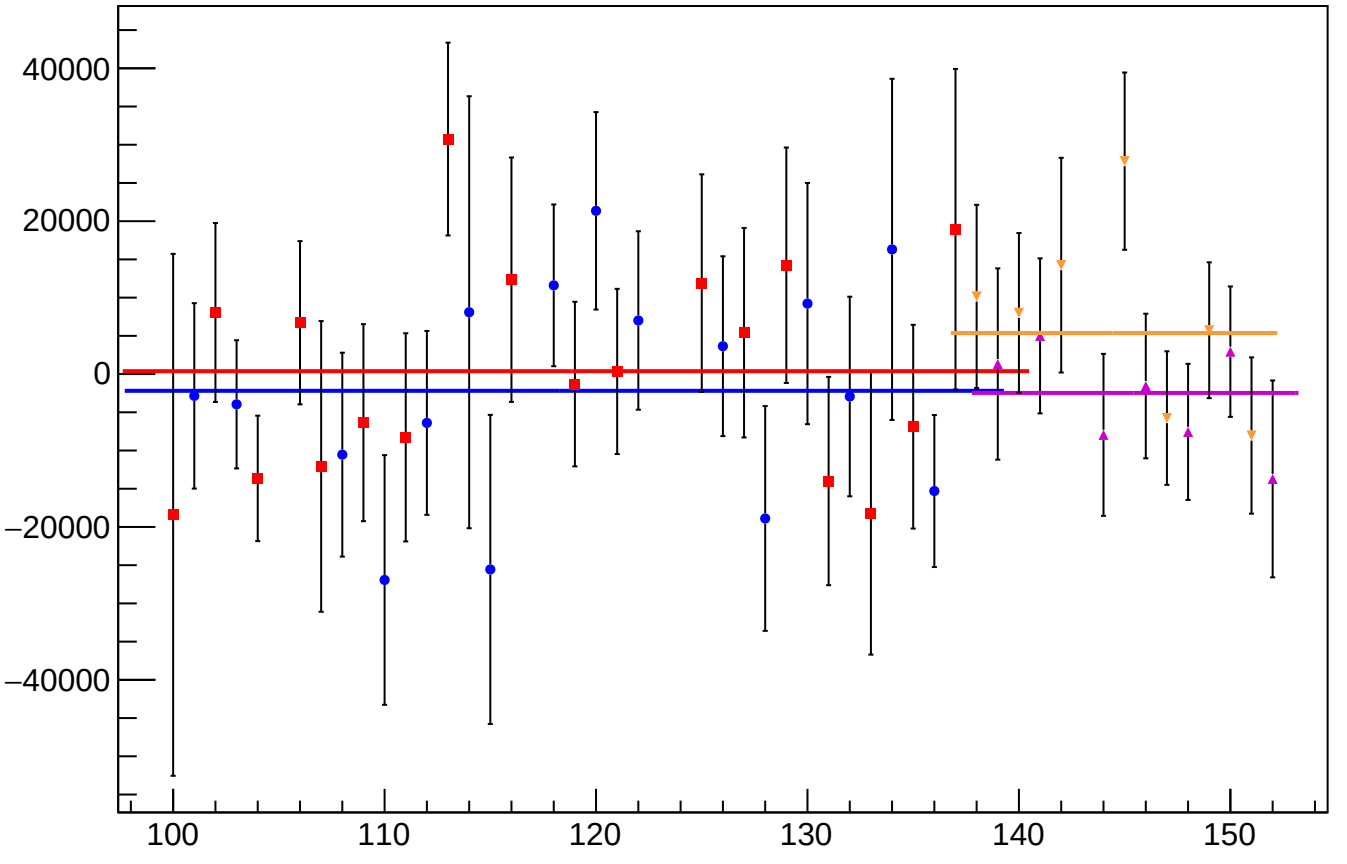
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2295.453+/-0.656 χ^2/NDF:24257.8/6

\+ sign 2224.621+/-0.445 χ^2/NDF: 245152.6/22

All: 2217.428+/-0.309 χ^2/NDF: 456934.2/47

\- sign 2210.722+/-0.430 χ^2/NDF: 211277.3/24



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 5372.959+/-3953.173 χ^2/NDF:7.7/6

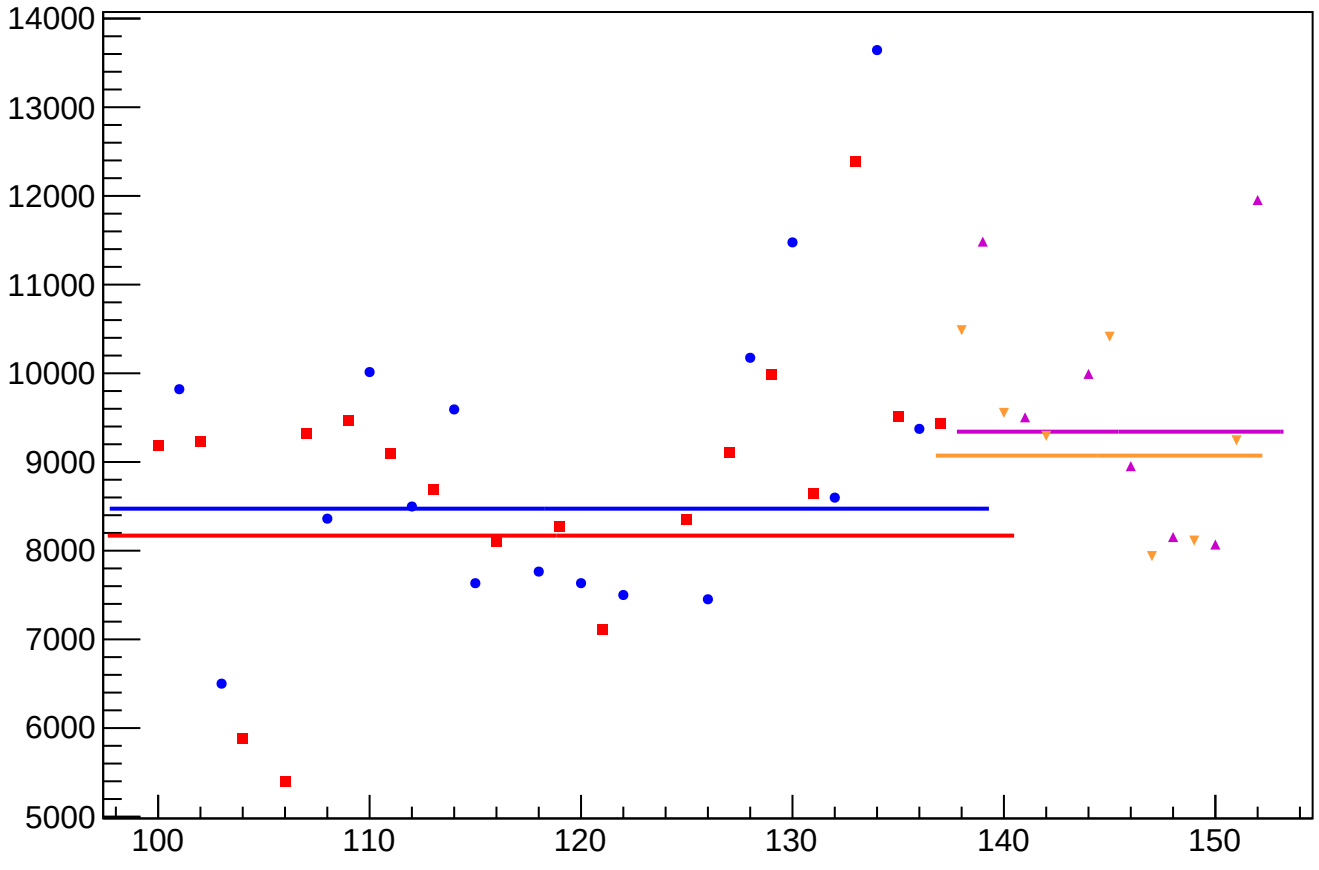
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -2466.425+/-3818.566 χ^2/NDF:2.4/6

+ sign 813.968+/-2491.237 χ^2/NDF: 24.4/22

All: 4.400+/-1730.919 χ^2/NDF: 43.6/47

- sign -751.176+/-2406.729 χ^2/NDF: 19.0/24



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9072.028+/-2.795 χ^2/NDF:116806.1/6

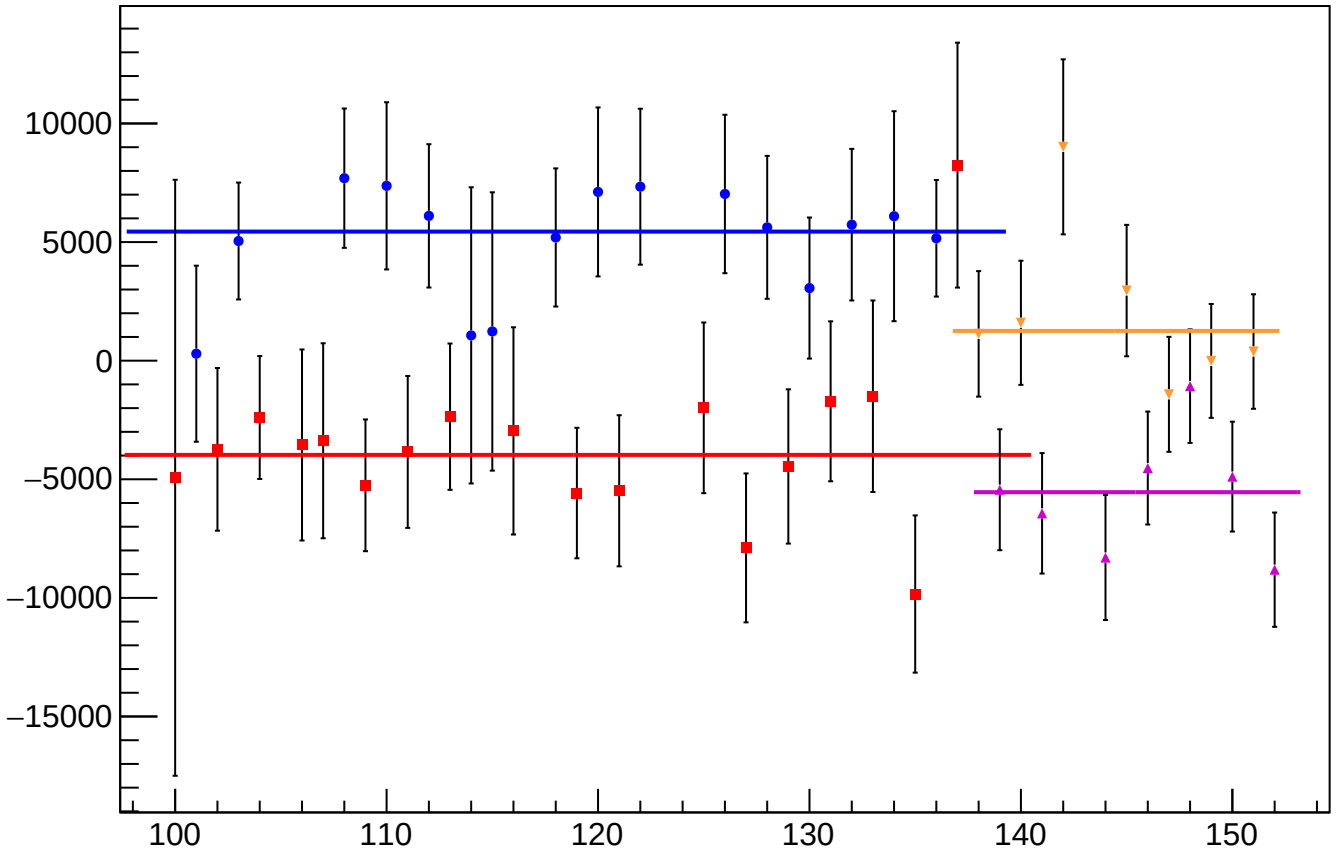
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9341.867+/-2.700 χ^2/NDF:232498.6/6

+ sign 8711.343+/-1.762 χ^2/NDF: 573970.2/22

All: 8672.129+/-1.224 χ^2/NDF: 1460882.4/47

- sign 8635.529+/-1.702 χ^2/NDF: 885954.1/24



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1255.201+/-996.067 χ^2/NDF:6.4/6

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

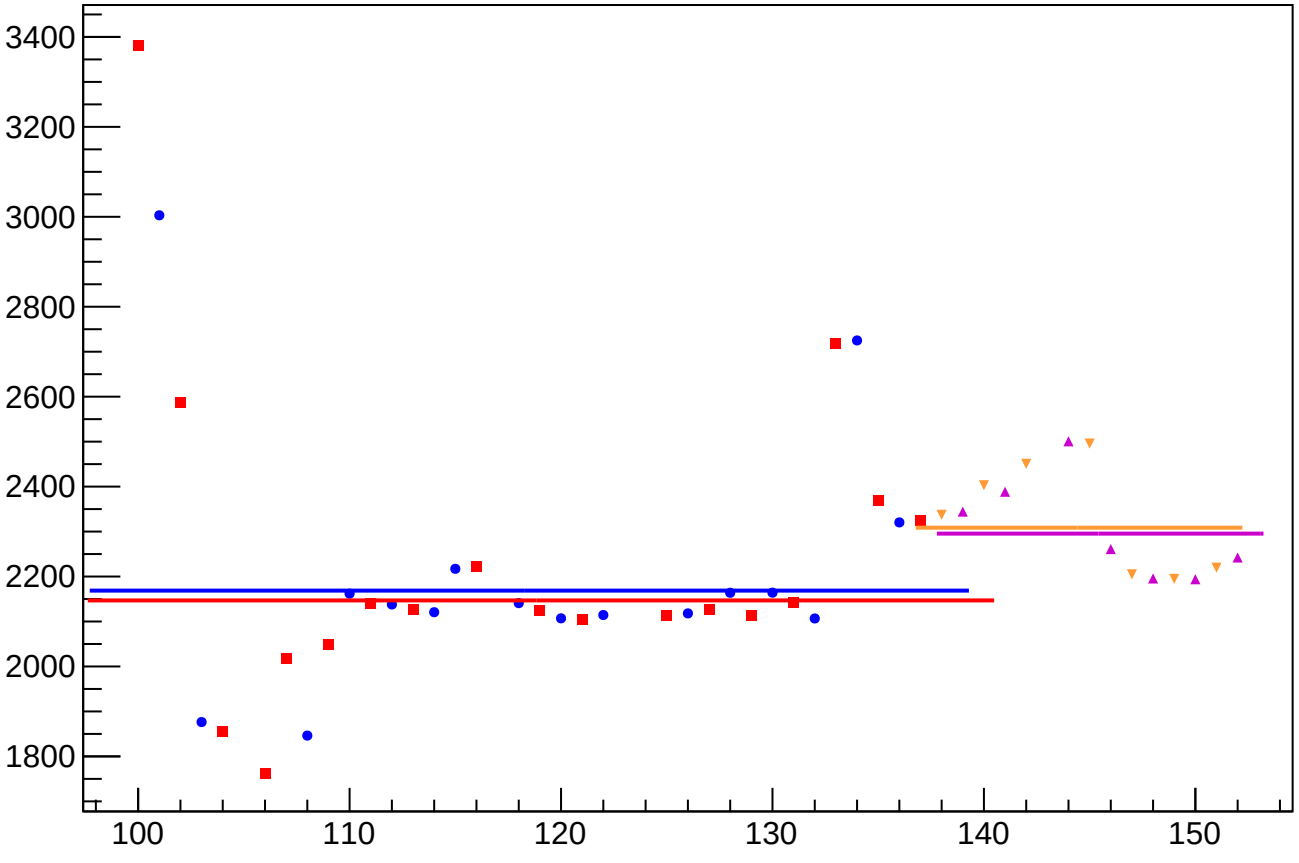
Left In: -5543.531+/-927.458 χ^2/NDF:6.8/6

+ sign 3769.425+/-629.618 χ^2/NDF: 22.4/22

All: -576.202+/-437.983 χ^2/NDF: 136.1/47

- sign -4650.777+/-609.666 χ^2/NDF: 21.4/24

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: 2308.634+/-0.704 χ^2/NDF:25796.6/6

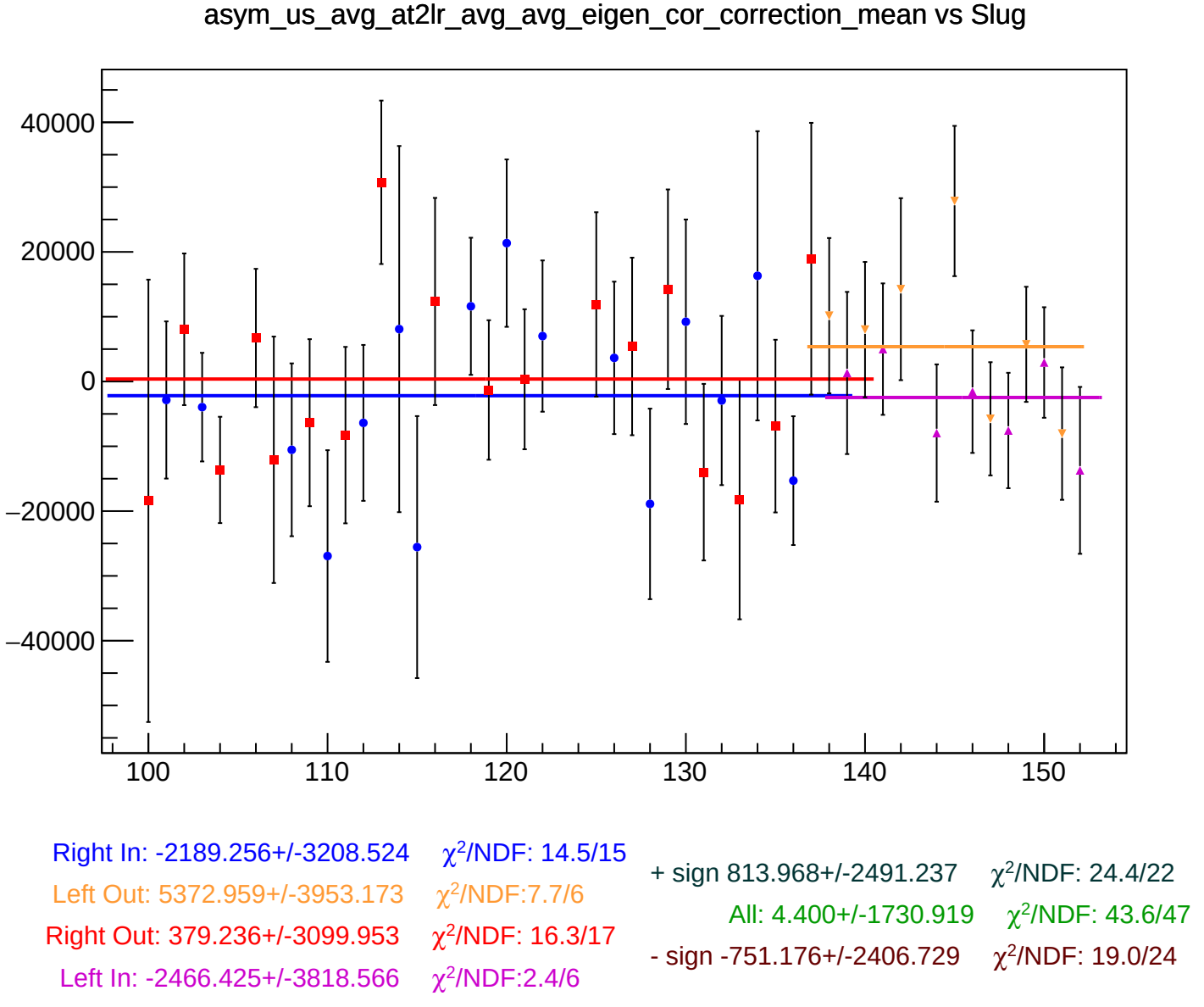
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

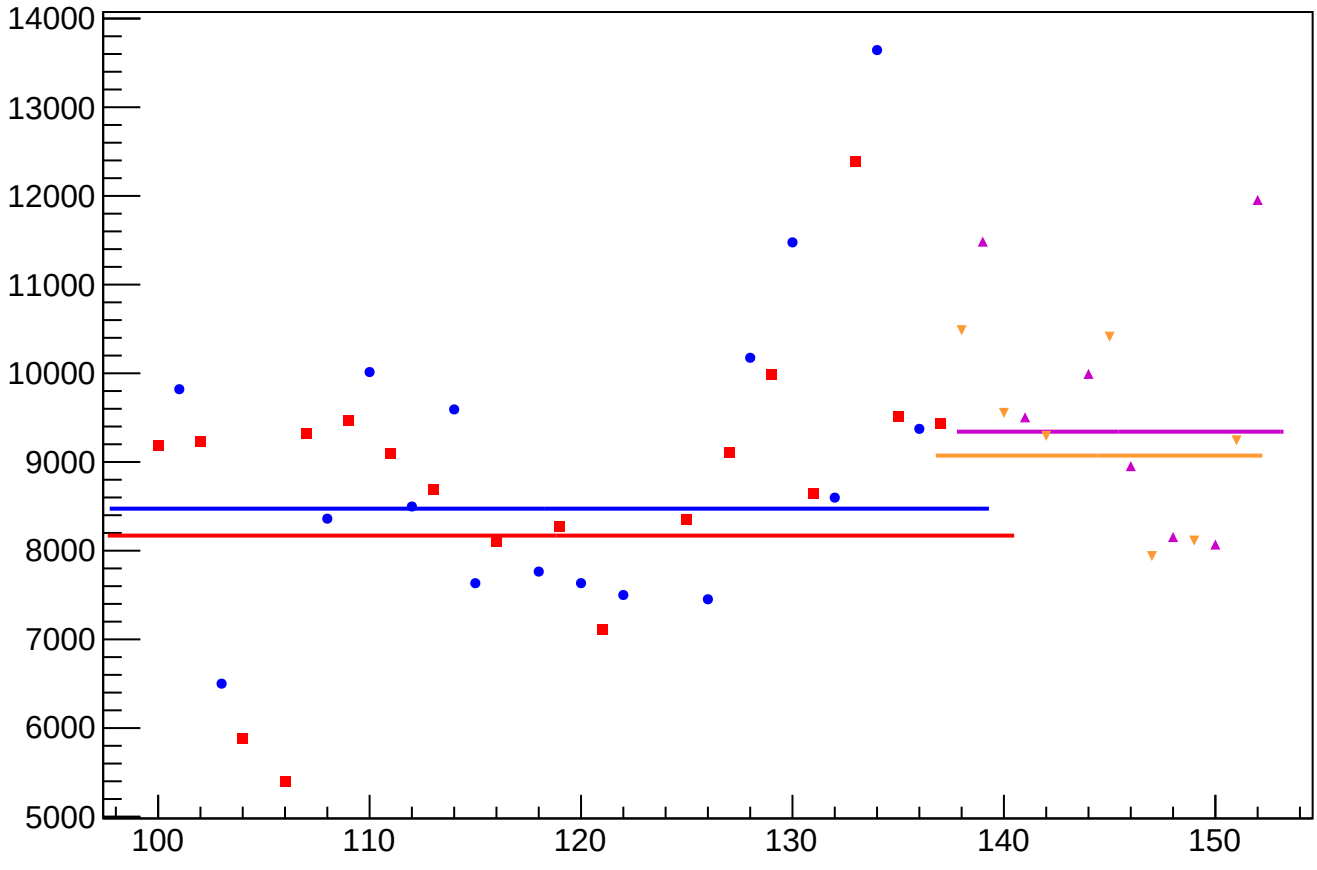
Left In: 2295.453+/-0.656 χ^2/NDF:24257.8/6

+ sign 2224.621+/-0.445 χ^2/NDF: 245152.6/22

All: 2217.428+/-0.309 χ^2/NDF: 456934.2/47

- sign 2210.722+/-0.430 χ^2/NDF: 211277.3/24


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: 5372.959+/-3953.173 χ²/NDF:7.7/6
Right Out: 379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: -2466.425+/-3818.566 χ²/NDF:2.4/6
+ sign 813.968+/-2491.237 χ²/NDF: 24.4/22
All: 4.400+/-1730.919 χ²/NDF: 43.6/47
- sign -751.176+/-2406.729 χ²/NDF: 19.0/24



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9072.028+/-2.795 χ^2/NDF:116806.1/6

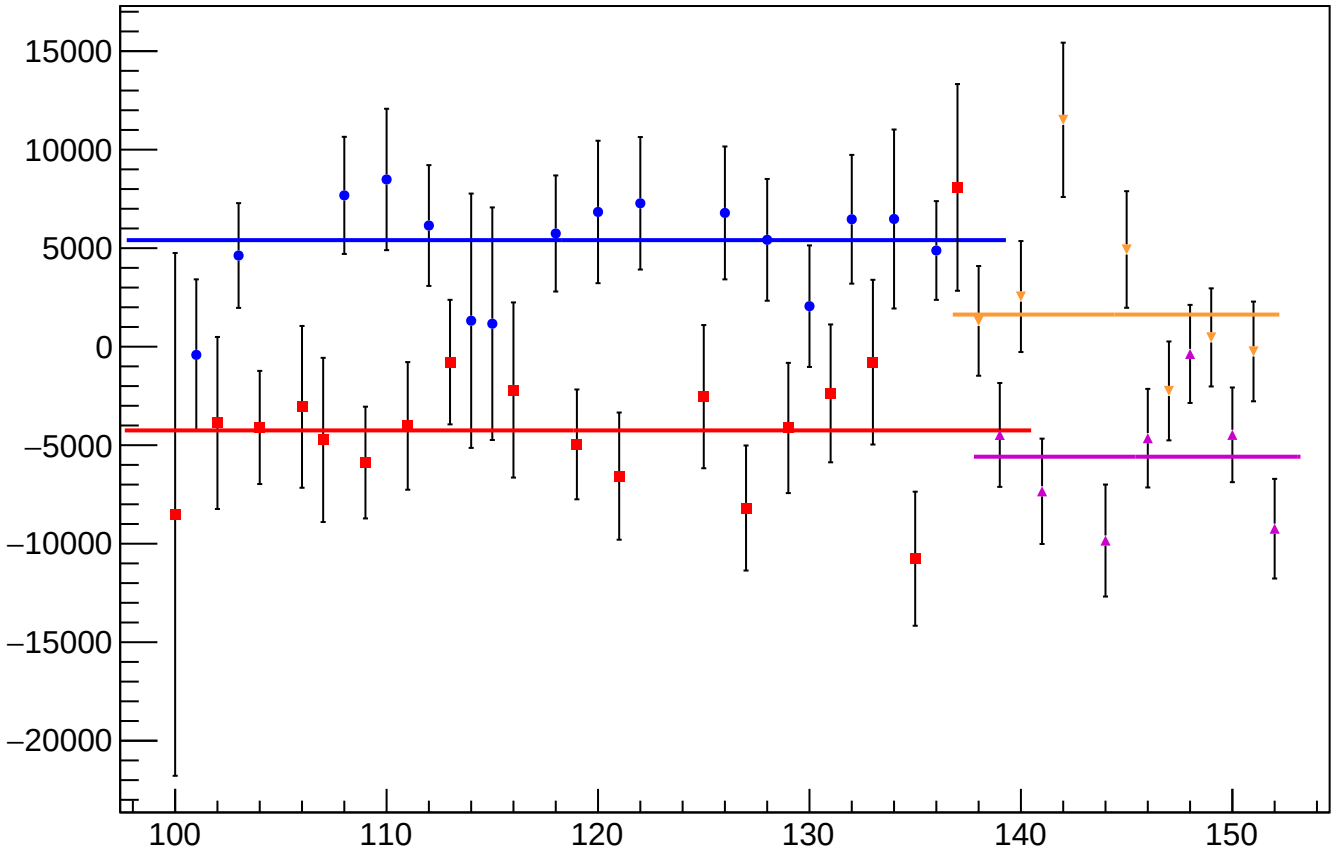
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9341.867+/-2.700 χ^2/NDF:232498.6/6

+ sign 8711.343+/-1.762 χ^2/NDF: 573970.2/22

All: 8672.129+/-1.224 χ^2/NDF: 1460882.4/47

- sign 8635.529+/-1.702 χ^2/NDF: 885954.1/24



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1630.588+/-1047.945 χ^2/NDF:10.9/6

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

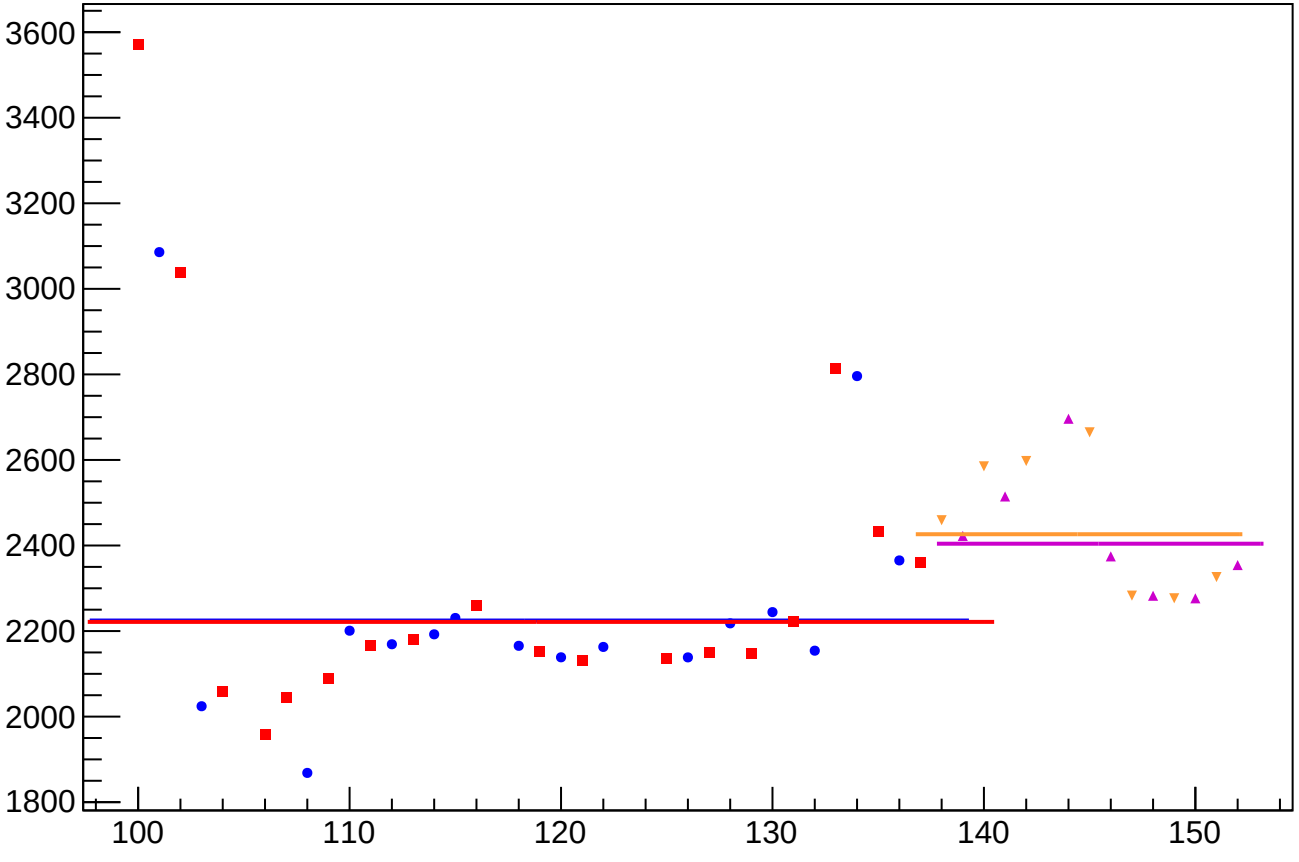
Left In: -5584.789+/-972.027 χ^2/NDF:9.7/6

+ sign 3943.830+/-652.416 χ^2/NDF: 25.6/22

All: -554.770+/-455.146 χ^2/NDF: 143.4/47

- sign -4820.078+/-635.274 χ^2/NDF: 25.2/24

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2426.367+/-0.741 χ^2/NDF:40309.0/6

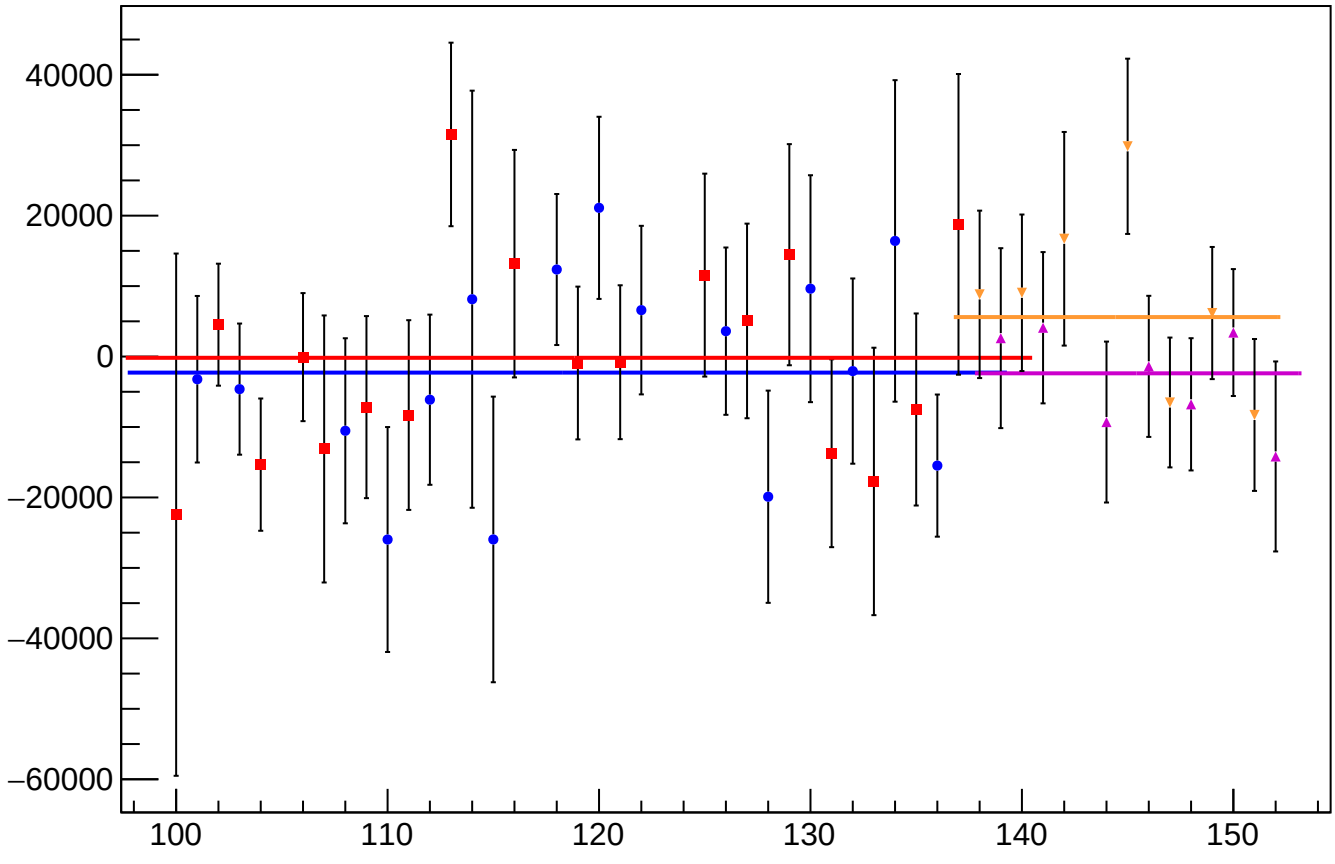
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2404.187+/-0.687 χ^2/NDF:36120.0/6

+ sign 2302.811+/-0.461 χ^2/NDF: 270386.9/22

All: 2301.077+/-0.322 χ^2/NDF: 517004.0/47

- sign 2299.434+/-0.449 χ^2/NDF: 246589.6/24



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 5603.019+/-4161.099 χ^2/NDF:7.9/6

Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

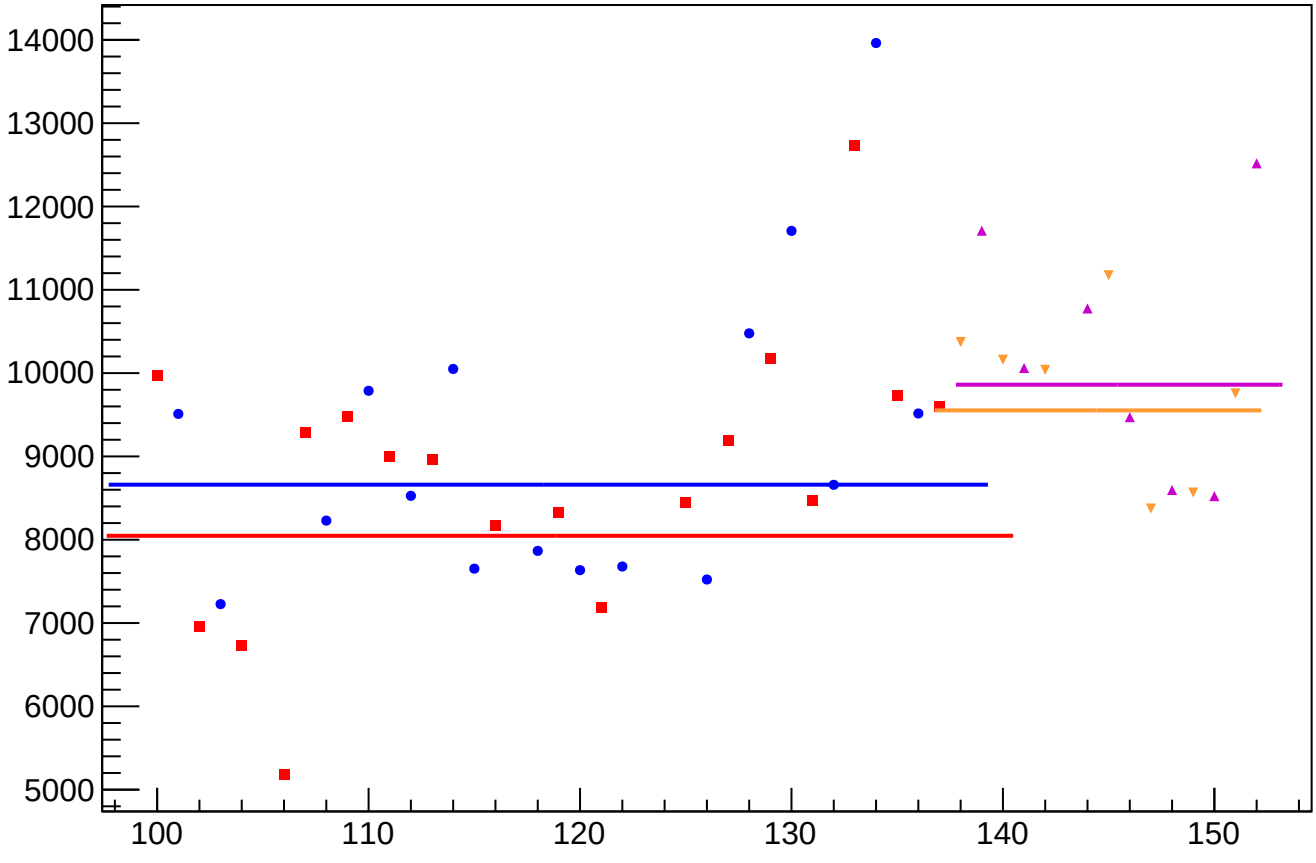
Left In: -2379.124+/-4028.512 χ^2/NDF:2.3/6

+ sign 732.574+/-2571.942 χ^2/NDF: 24.6/22

All: -171.367+/-1764.103 χ^2/NDF: 43.0/47

- sign -974.467+/-2424.243 χ^2/NDF: 18.1/24

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 9552.542+/-2.942 χ^2/NDF:107150.2/6

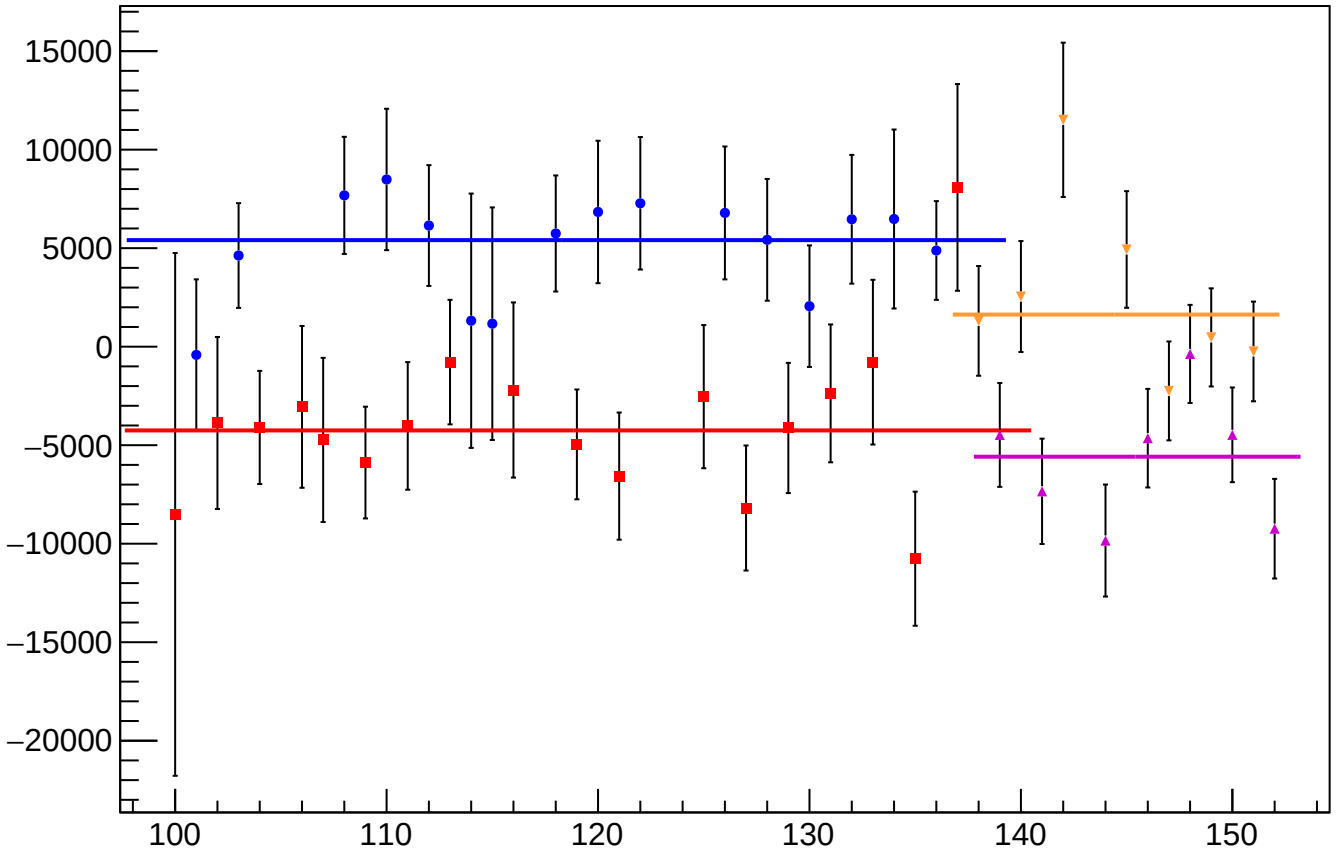
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 9860.800+/-2.849 χ^2/NDF:216537.2/6

+ sign 9001.437+/-1.819 χ^2/NDF: 521882.2/22

All: 8843.998+/-1.247 χ^2/NDF: 1569614.9/47

- sign 8704.122+/-1.714 χ^2/NDF: 1033580.1/24



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1630.593+/-1047.946 χ^2/NDF:10.9/6

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

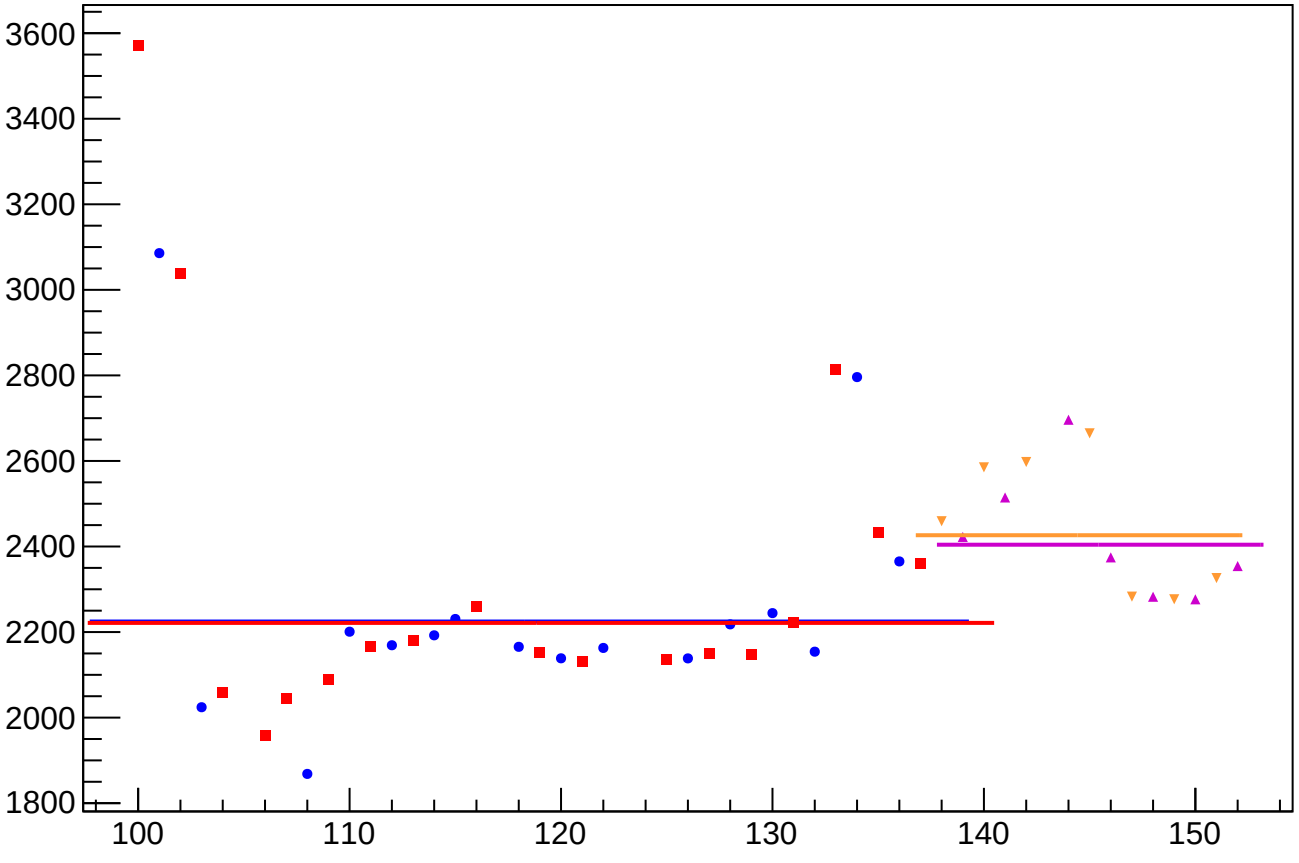
Left In: -5584.787+/-972.028 χ^2/NDF:9.7/6

+ sign 3943.835+/-652.417 χ^2/NDF: 25.6/22

All: -554.768+/-455.147 χ^2/NDF: 143.4/47

- sign -4820.079+/-635.275 χ^2/NDF: 25.2/24

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: 2426.369+/-0.741 χ^2/NDF:40309.7/6

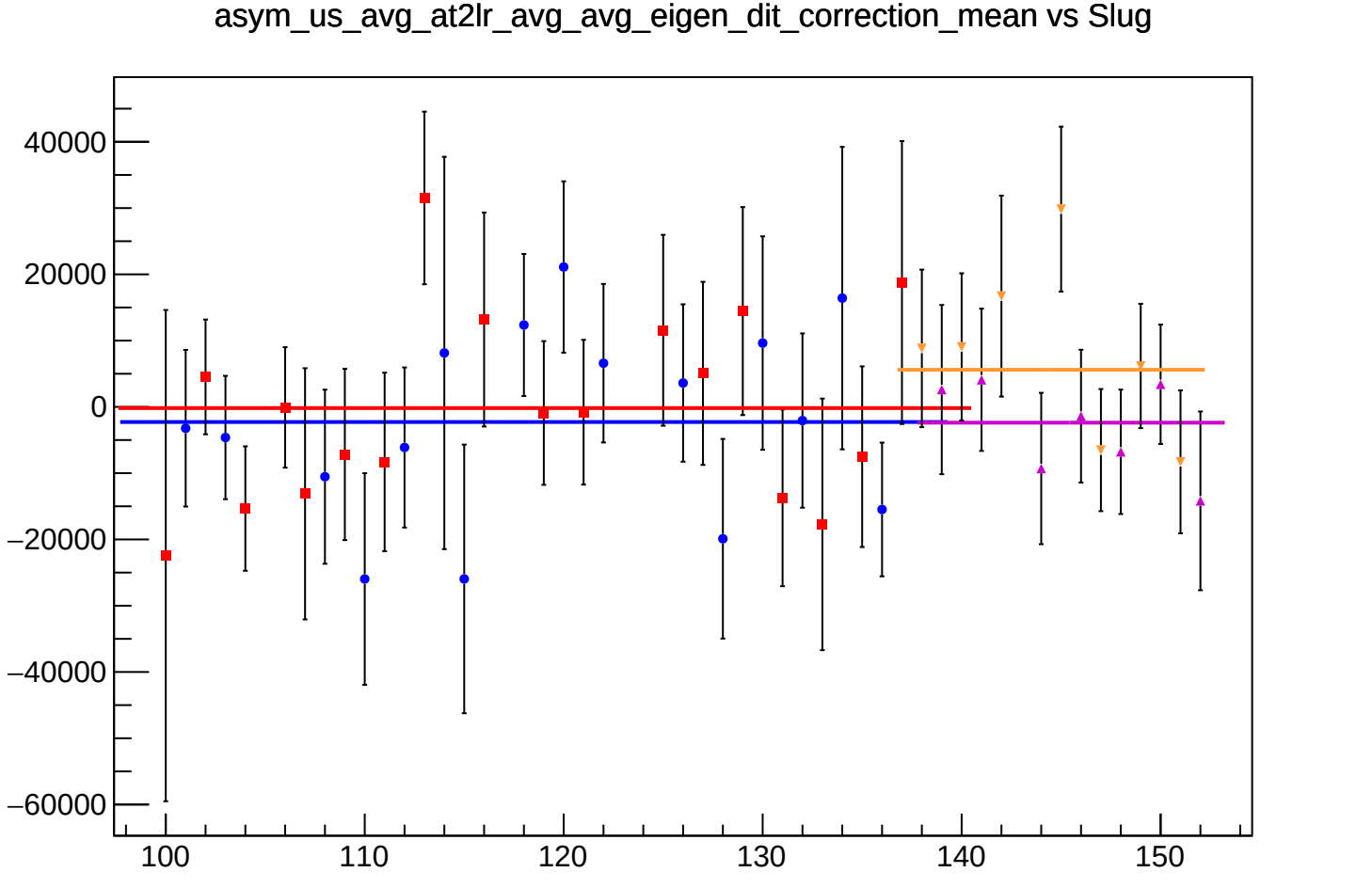
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2404.190+/-0.687 χ^2/NDF:36120.3/6

+ sign 2302.812+/-0.461 χ^2/NDF: 270389.0/22

All: 2301.078+/-0.322 χ^2/NDF: 517008.0/47

- sign 2299.435+/-0.449 χ^2/NDF: 246591.4/24



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 5603.017+/-4161.105 χ^2/NDF:7.9/6

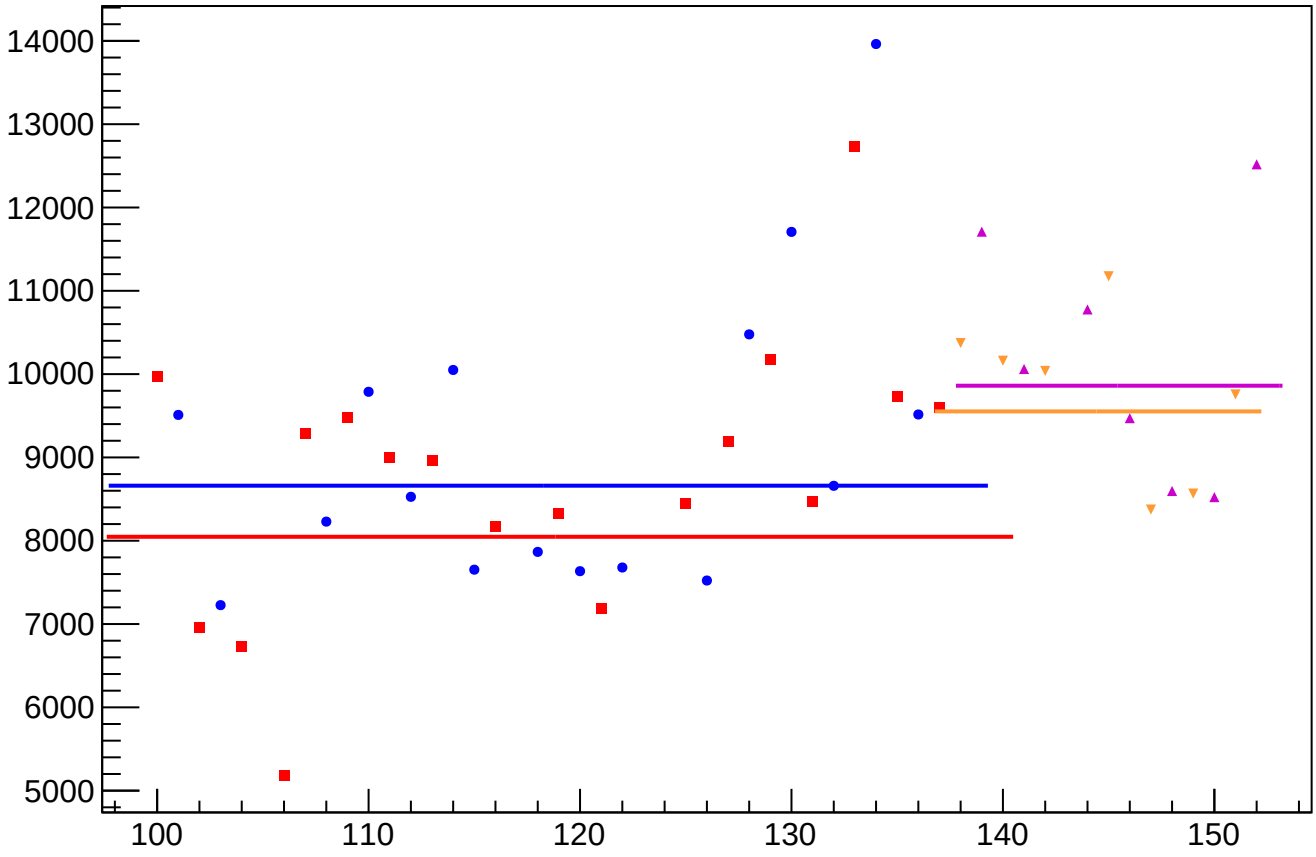
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -2379.122+/-4028.518 χ^2/NDF:2.3/6

+ sign 732.573+/-2571.939 χ^2/NDF: 24.6/22

All: -171.367+/-1764.102 χ^2/NDF: 43.0/47

- sign -974.466+/-2424.240 χ^2/NDF: 18.1/24



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 9552.554+/-2.942 χ^2/NDF:107151.3/6

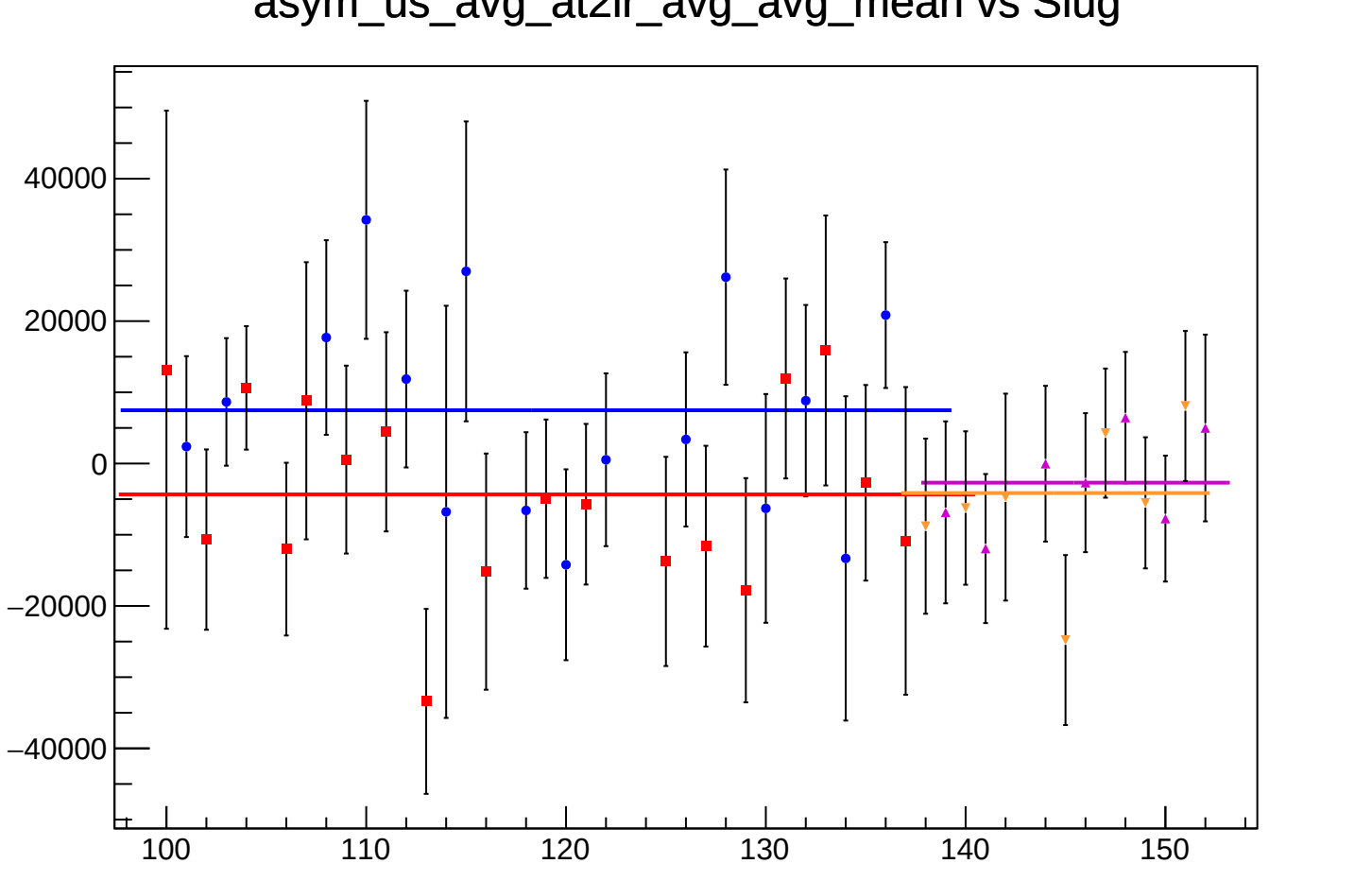
Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 9860.813+/-2.849 χ^2/NDF:216537.9/6

+ sign 9001.427+/-1.819 χ^2/NDF: 521889.9/22

All: 8843.988+/-1.247 χ^2/NDF: 1569630.3/47

- sign 8704.113+/-1.714 χ^2/NDF: 1033587.8/24



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -4146.519+/-4083.752 χ^2/NDF:5.4/6

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

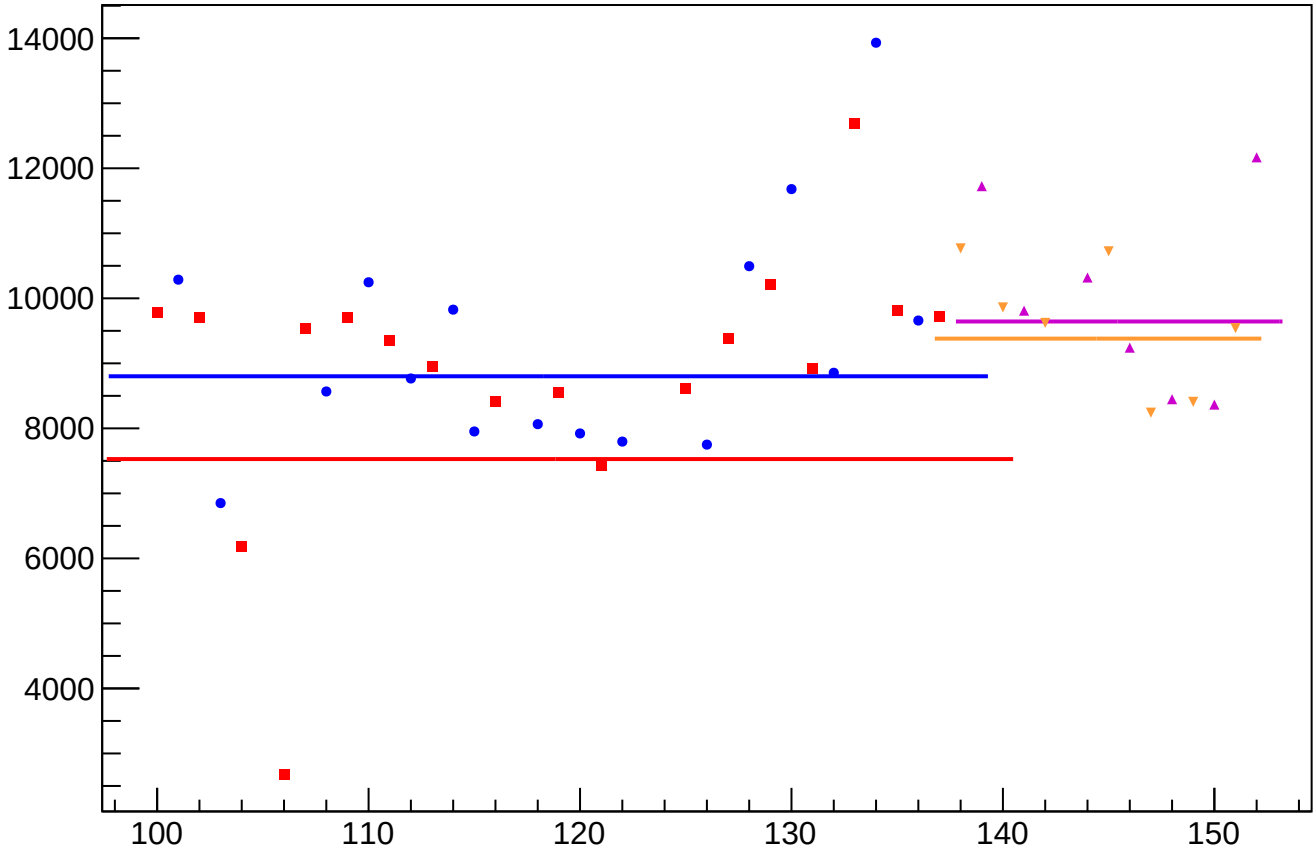
Left In: -2689.737+/-3937.716 χ^2/NDF:2.6/6

+ sign 2836.239+/-2581.185 χ^2/NDF: 24.3/22

All: -517.783+/-1796.945 χ^2/NDF: 44.6/47

- sign -3672.047+/-2503.141 χ^2/NDF: 17.0/24

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 9380.370+/-2.888 χ^2/NDF:109641.2/6

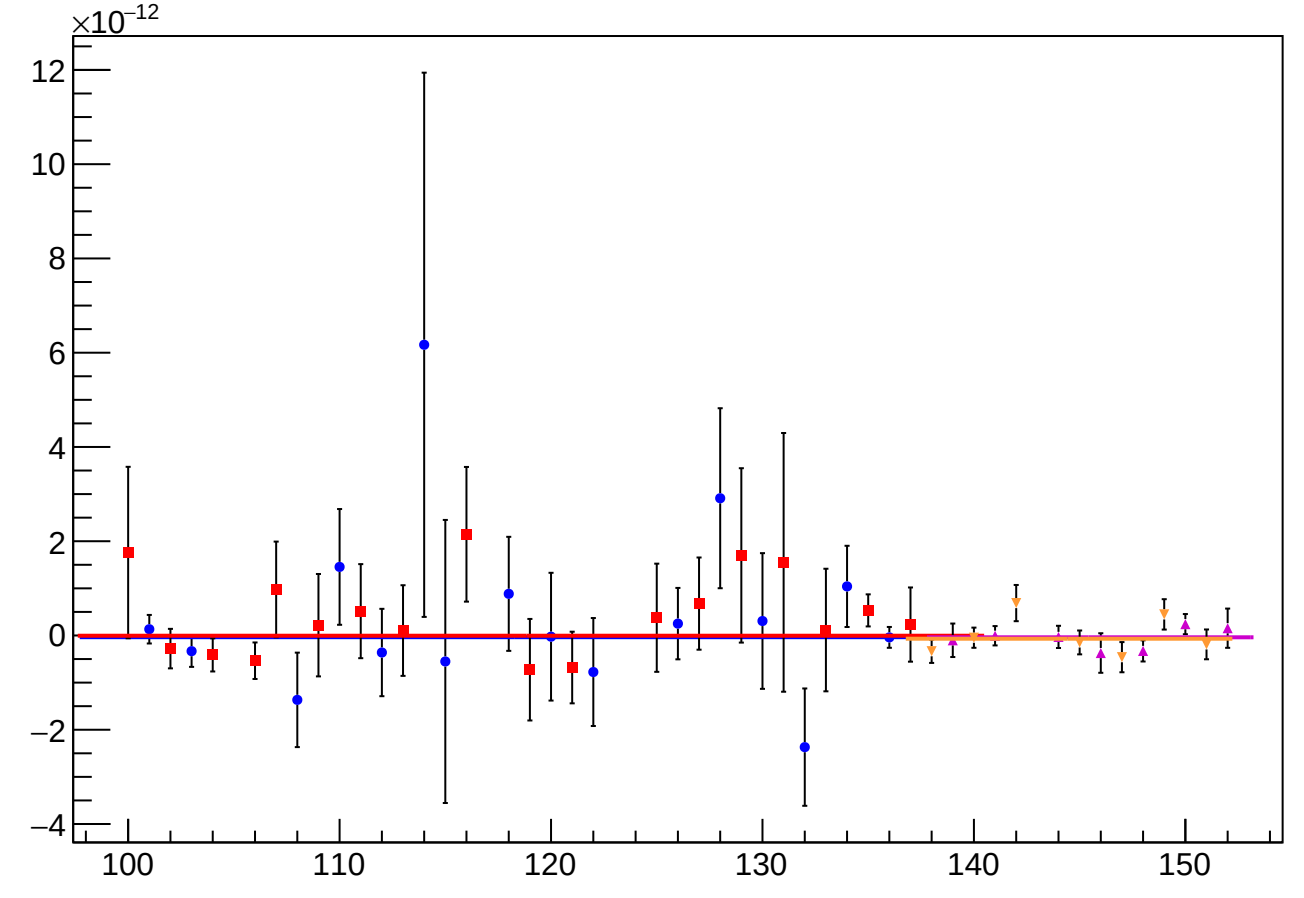
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 9643.798+/-2.784 χ^2/NDF:214274.3/6

+ sign 9032.501+/-1.825 χ^2/NDF: 528383.5/22

All: 8642.723+/-1.240 χ^2/NDF: 2849245.5/47

- sign 8308.174+/-1.691 χ^2/NDF: 2236109.9/24



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.3/6

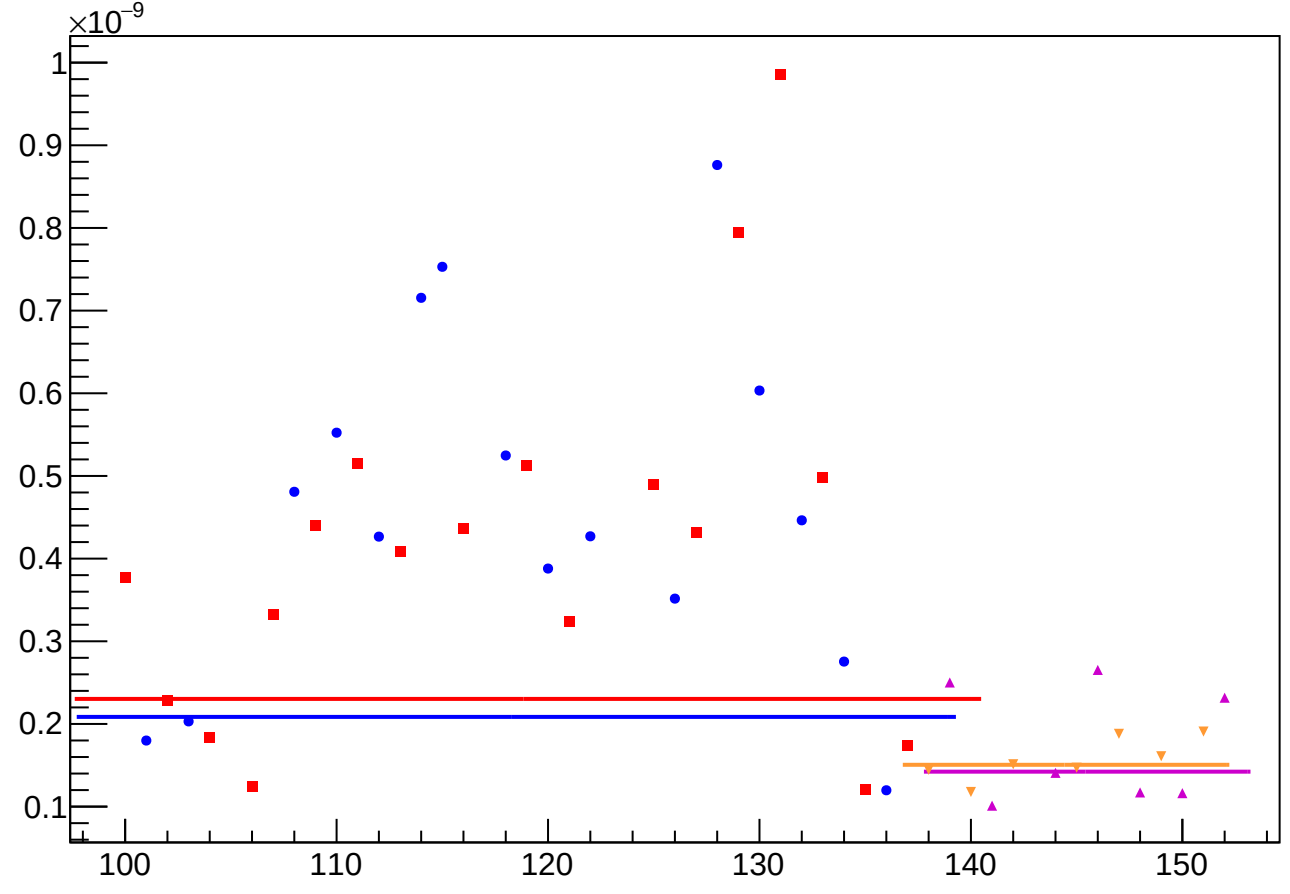
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:4.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 23.7/22

All: -0.000+/-0.000 χ^2/NDF: 41.7/47

- sign -0.000+/-0.000 χ^2/NDF: 18.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:110576.7/6

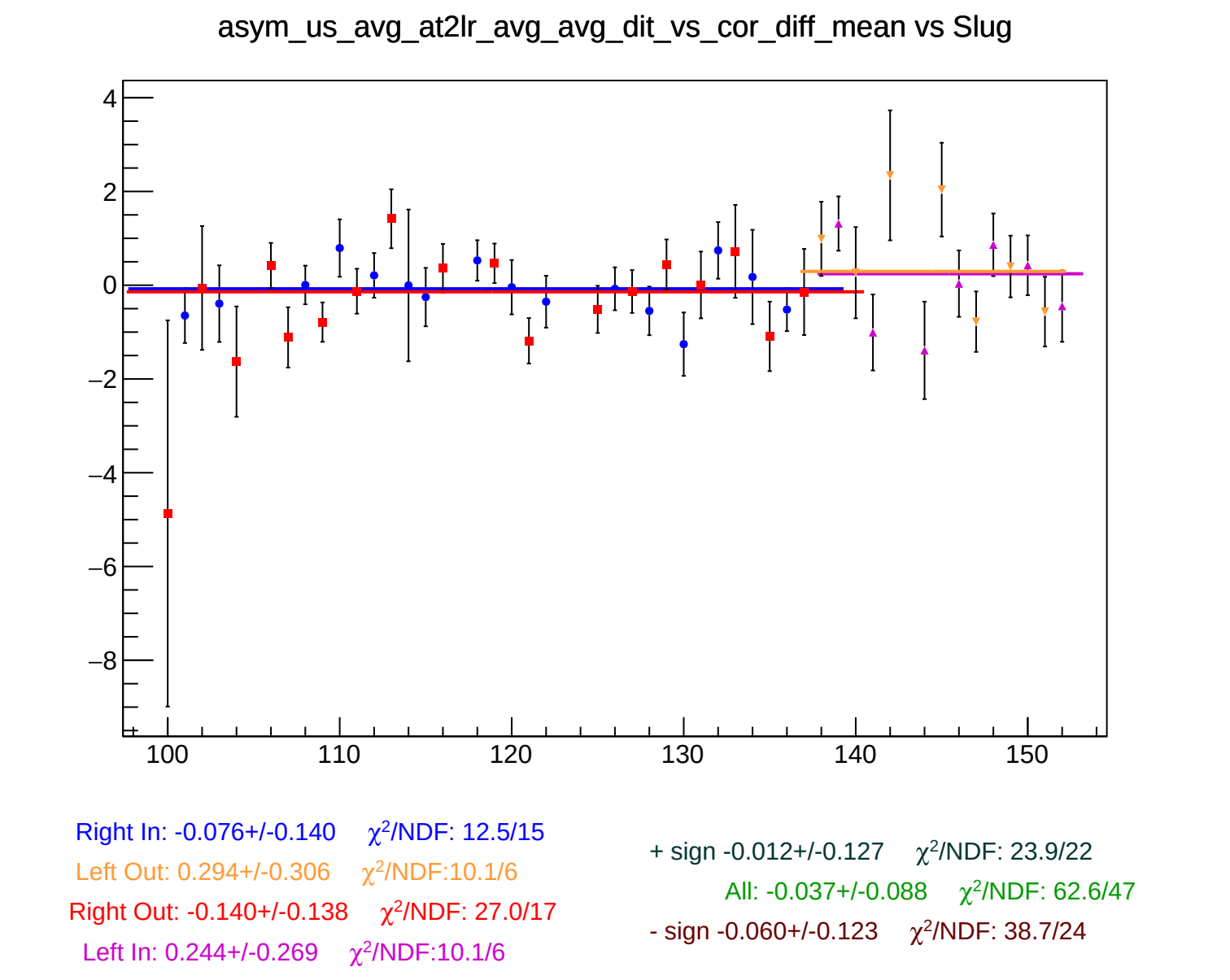
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

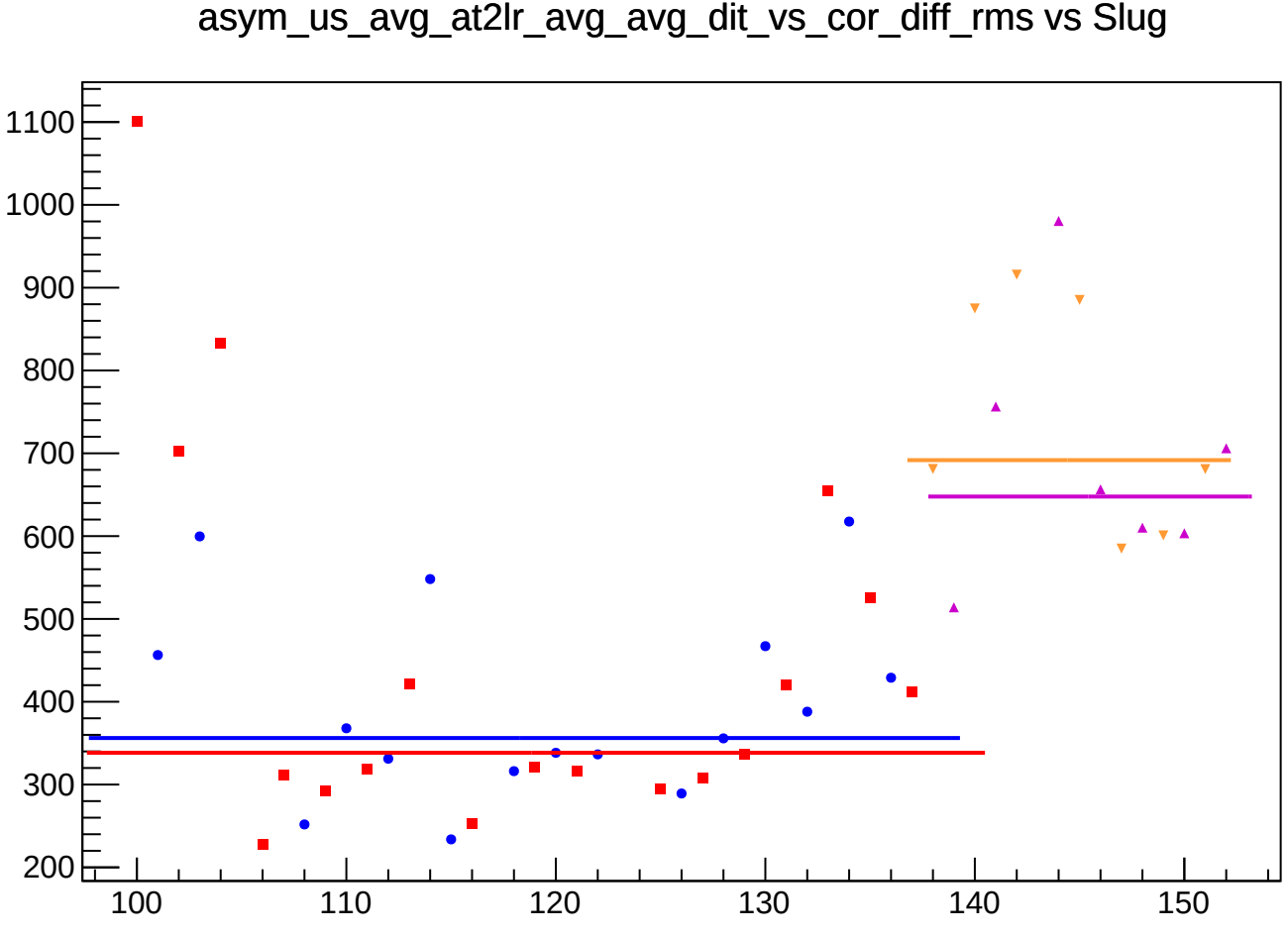
Left In: 0.000+/-0.000 χ^2/NDF:584015.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 1957927.7/22

All: 0.000+/-0.000 χ^2/NDF: 4558334.2/47

- sign 0.000+/-0.000 χ^2/NDF: 2598190.4/24


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: 0.294+/-0.306 χ²/NDF:10.1/6
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.244+/-0.269 χ²/NDF:10.1/6
+ sign -0.012+/-0.127 χ²/NDF: 23.9/22
All: -0.037+/-0.088 χ²/NDF: 62.6/47
- sign -0.060+/-0.123 χ²/NDF: 38.7/24



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 691.745+/-0.216 χ^2/NDF:291787.2/6

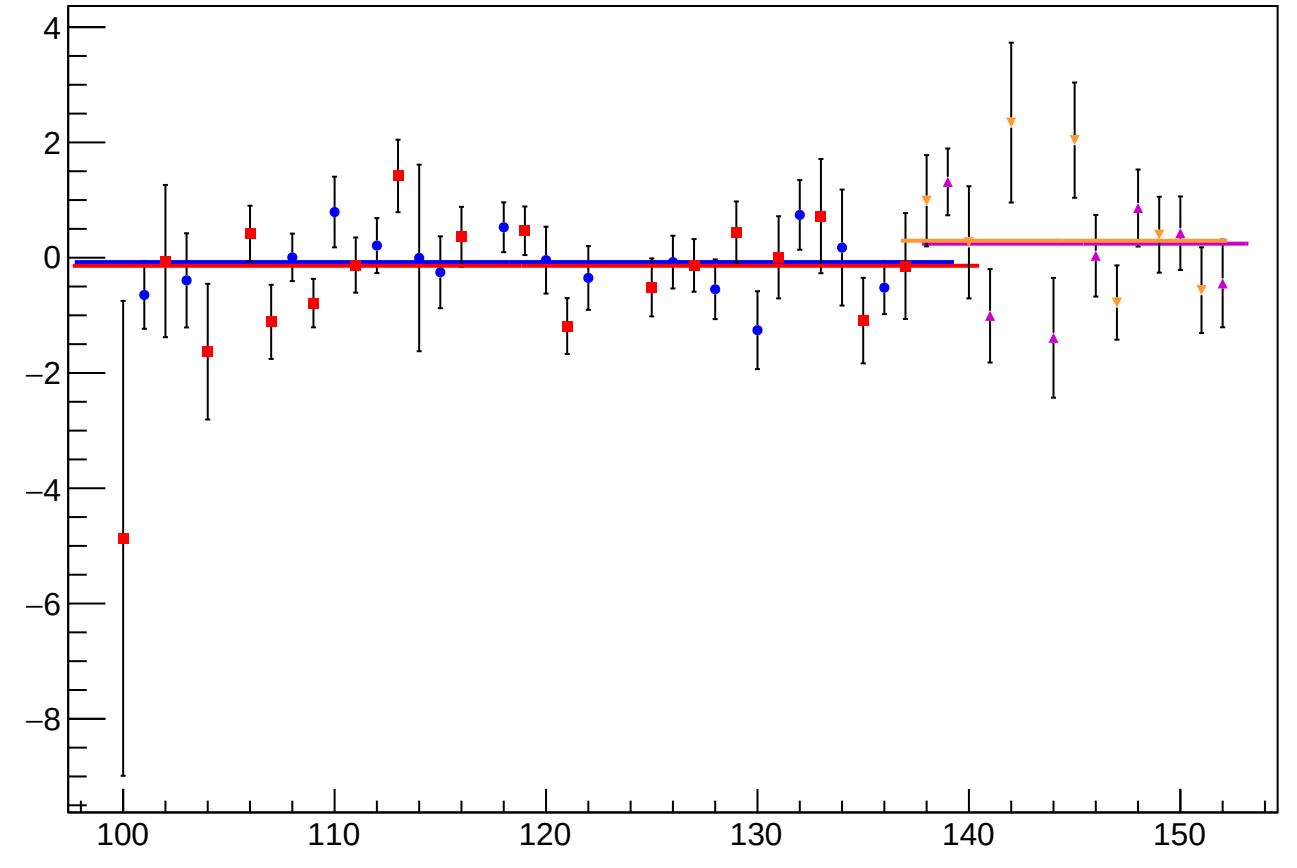
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 647.773+/-0.190 χ^2/NDF:375816.6/6

+ sign 414.278+/-0.090 χ^2/NDF: 3068674.8/22

All: 408.406+/-0.062 χ^2/NDF: 6753420.5/47

- sign 402.941+/-0.087 χ^2/NDF: 3676519.9/24



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.294+/-0.306 χ^2/NDF:10.1/6

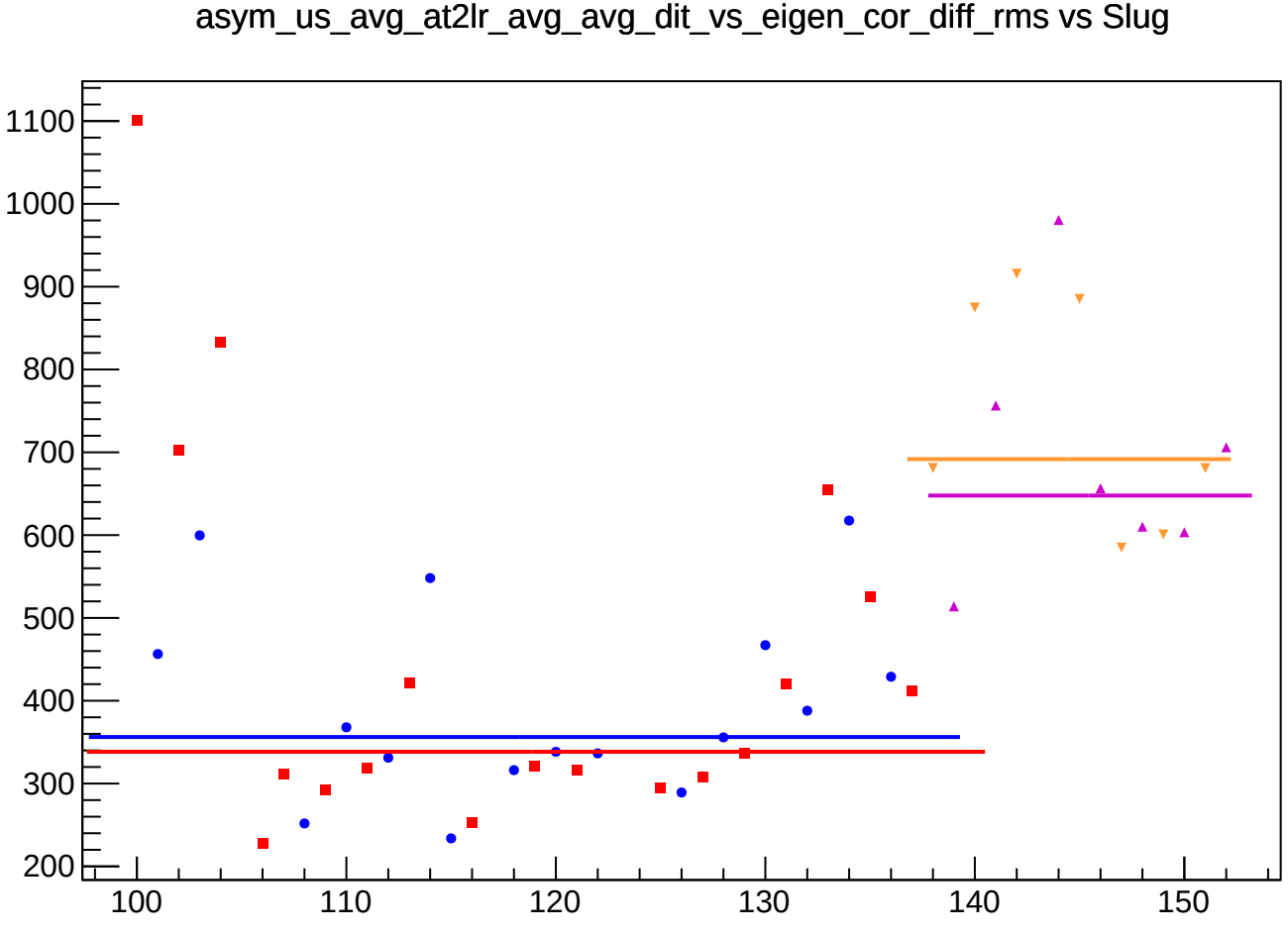
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.244+/-0.269 χ^2/NDF:10.1/6

+ sign -0.012+/-0.127 χ^2/NDF: 23.9/22

All: -0.037+/-0.088 χ^2/NDF: 62.6/47

- sign -0.060+/-0.123 χ^2/NDF: 38.7/24



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 691.745+/-0.216 χ^2/NDF:291787.2/6

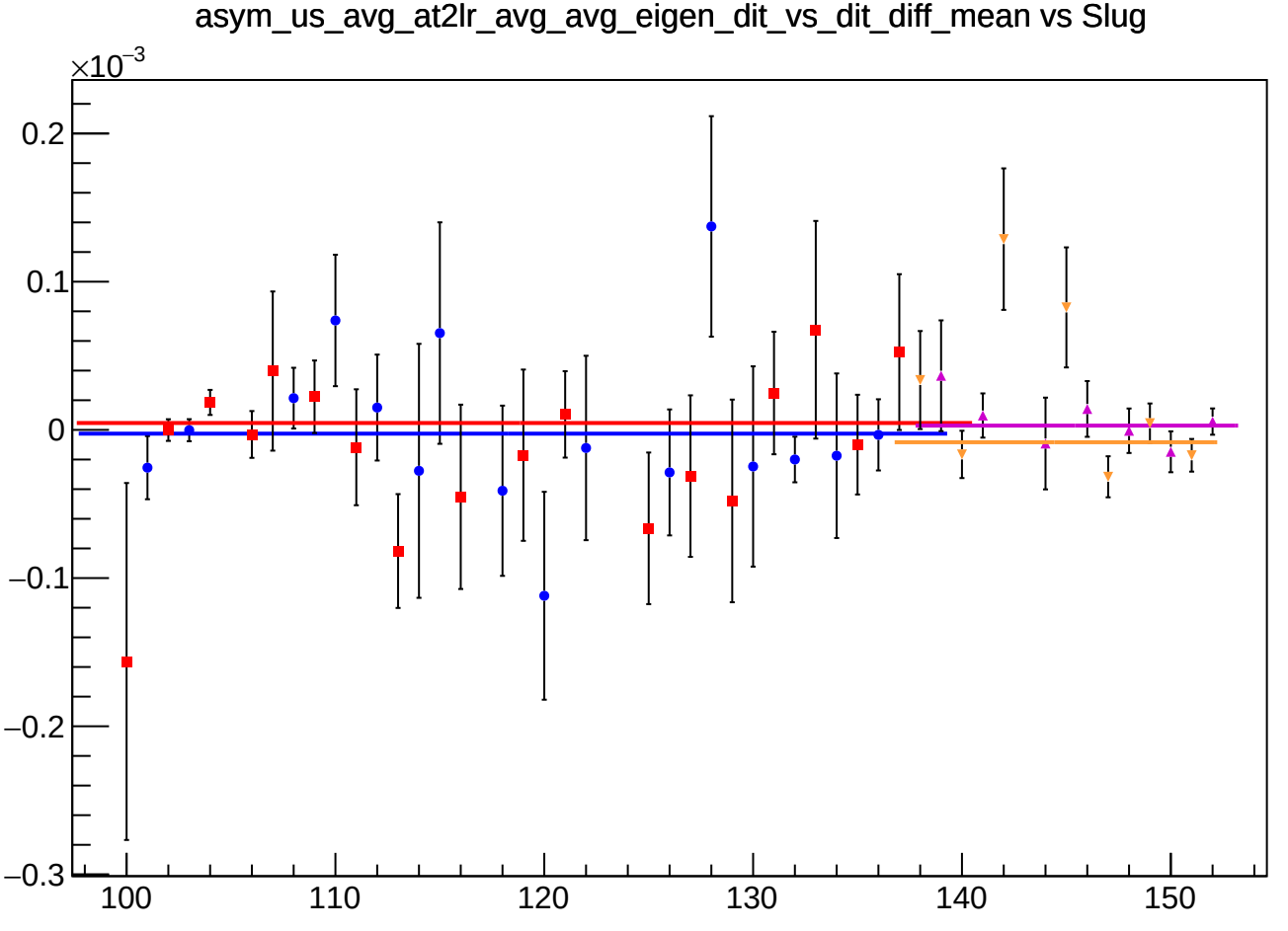
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 647.773+/-0.190 χ^2/NDF:375816.6/6

+ sign 414.278+/-0.090 χ^2/NDF: 3068674.8/22

All: 408.406+/-0.062 χ^2/NDF: 6753420.5/47

- sign 402.941+/-0.087 χ^2/NDF: 3676519.9/24



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/6

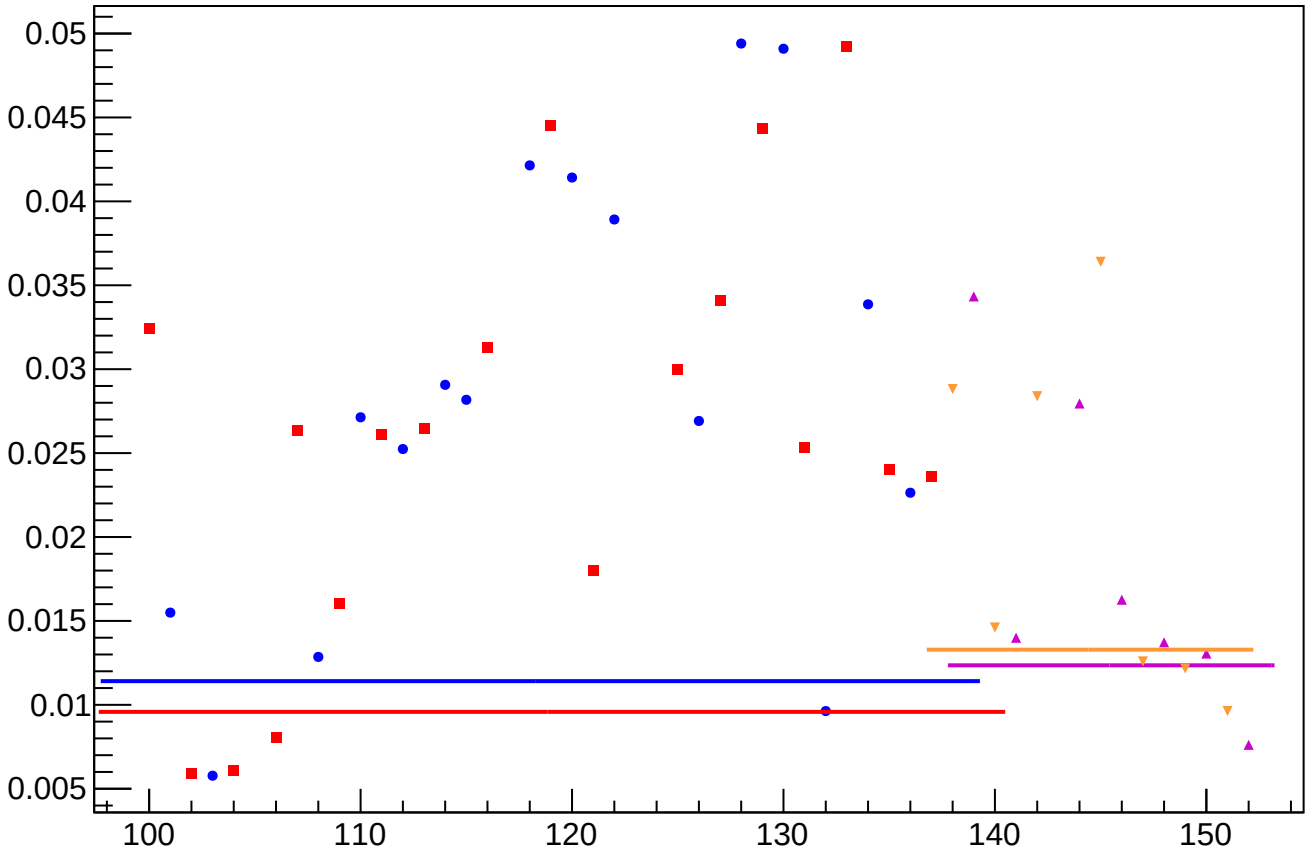
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:3.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 35.1/22

All: 0.000+/-0.000 χ^2/NDF: 58.2/47

- sign 0.000+/-0.000 χ^2/NDF: 20.5/24



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:1544961.2/6

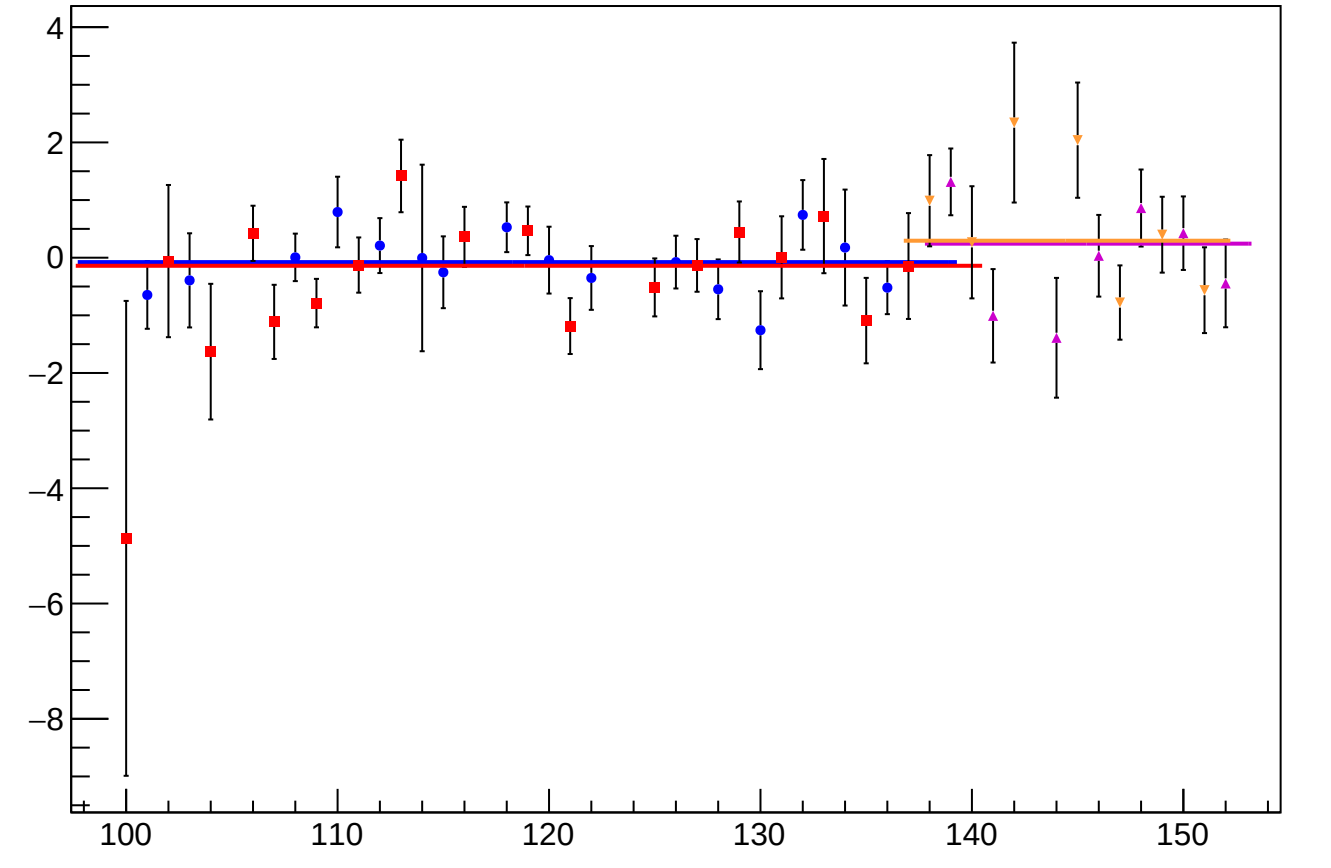
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.012+/-0.000 χ^2/NDF:1902789.4/6

+ sign 0.012+/-0.000 χ^2/NDF: 7144708.9/22

All: 0.011+/-0.000 χ^2/NDF: 15267838.9/47

- sign 0.011+/-0.000 χ^2/NDF: 7975089.5/24



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.294+/-0.306 χ^2/NDF:10.1/6

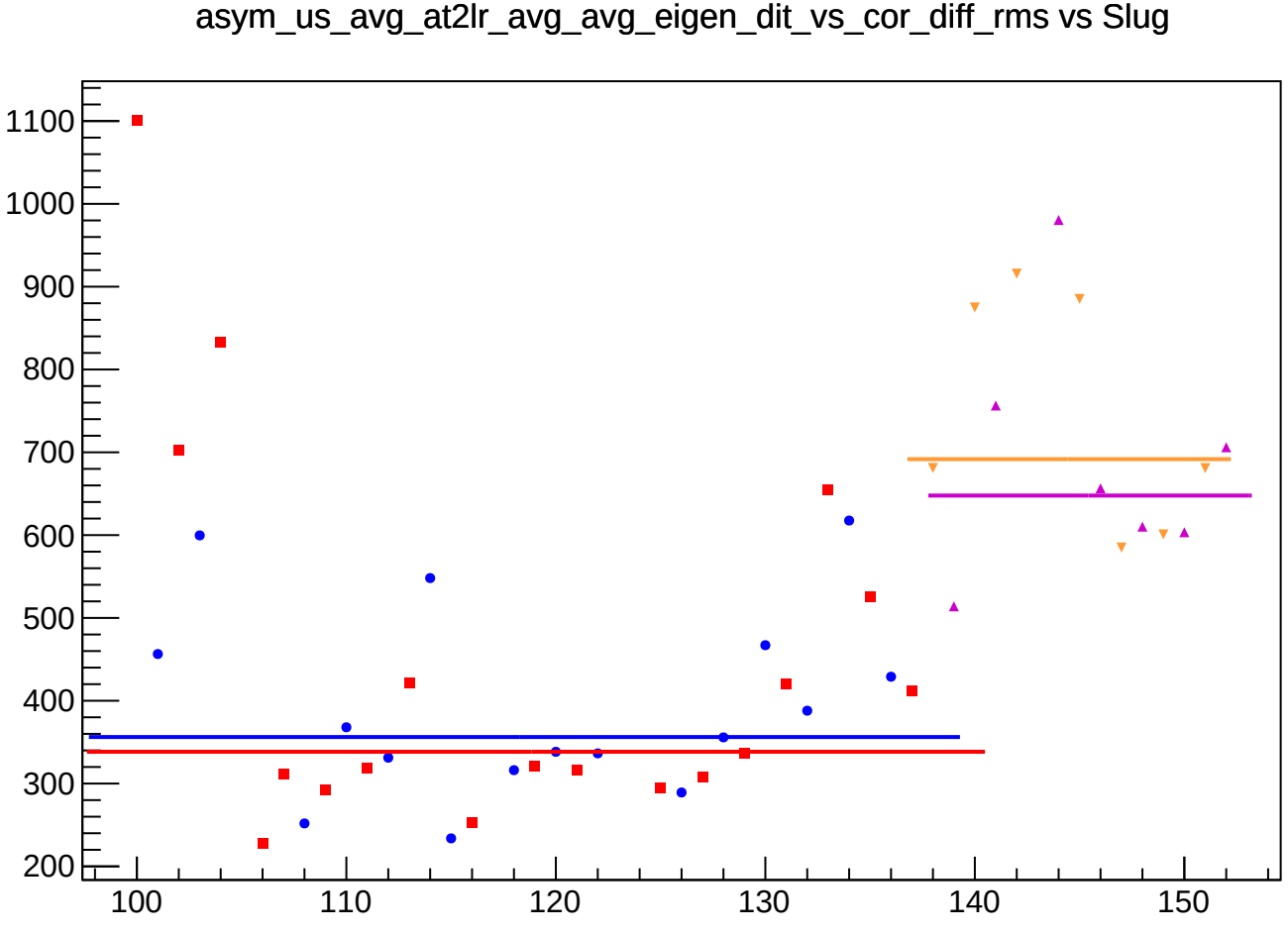
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.244+/-0.269 χ^2/NDF:10.1/6

+ sign -0.012+/-0.127 χ^2/NDF: 23.9/22

All: -0.037+/-0.088 χ^2/NDF: 62.6/47

- sign -0.060+/-0.123 χ^2/NDF: 38.7/24



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 691.752+/-0.216 χ^2/NDF:291792.1/6

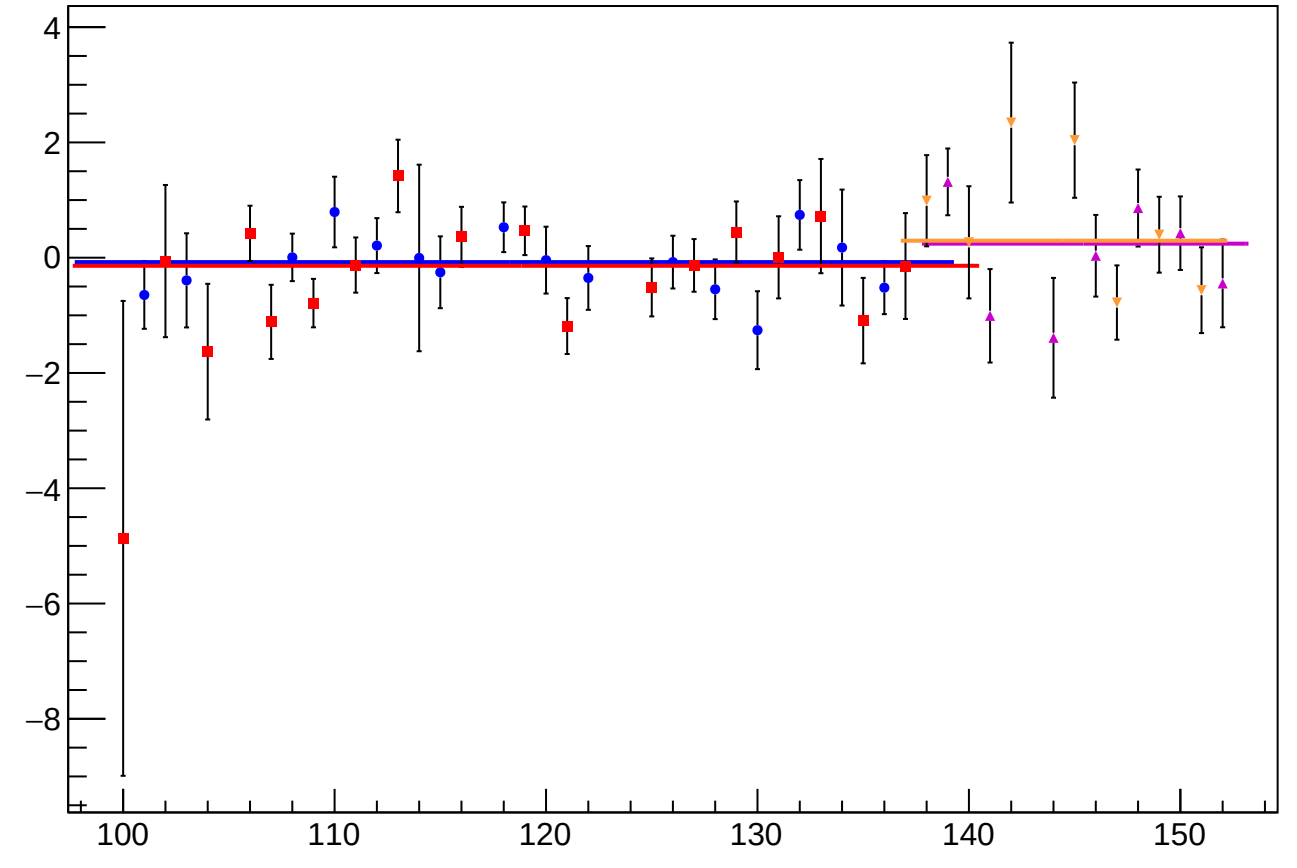
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 647.782+/-0.190 χ^2/NDF:375803.5/6

+ sign 414.276+/-0.090 χ^2/NDF: 3068716.9/22

All: 408.405+/-0.062 χ^2/NDF: 6753541.6/47

- sign 402.939+/-0.087 χ^2/NDF: 3676598.3/24



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.294+/-0.306 χ^2/NDF:10.1/6

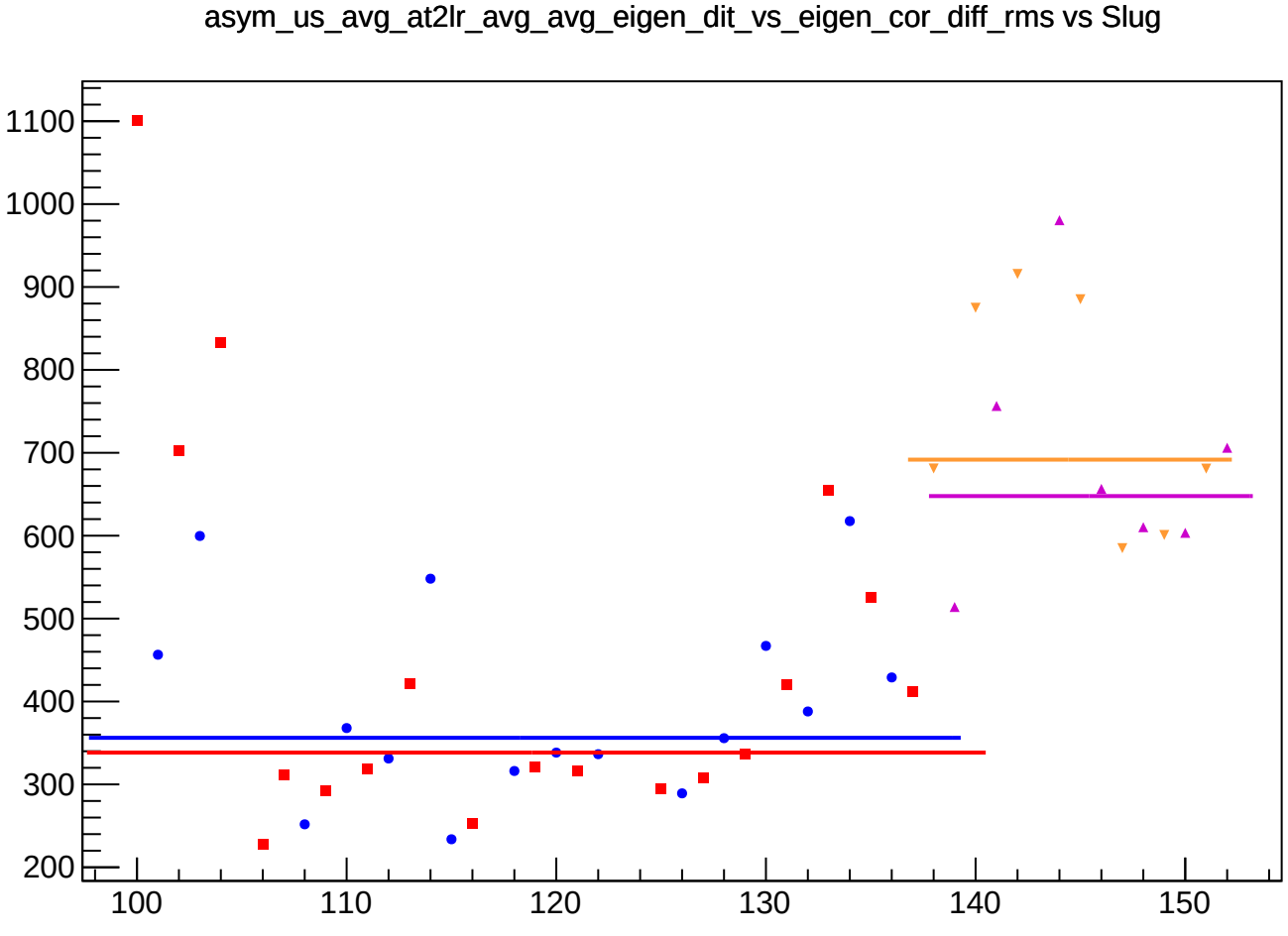
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.244+/-0.269 χ^2/NDF:10.1/6

+ sign -0.012+/-0.127 χ^2/NDF: 23.9/22

All: -0.037+/-0.088 χ^2/NDF: 62.6/47

- sign -0.060+/-0.123 χ^2/NDF: 38.7/24



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 691.752+/-0.216 χ^2/NDF:291792.1/6

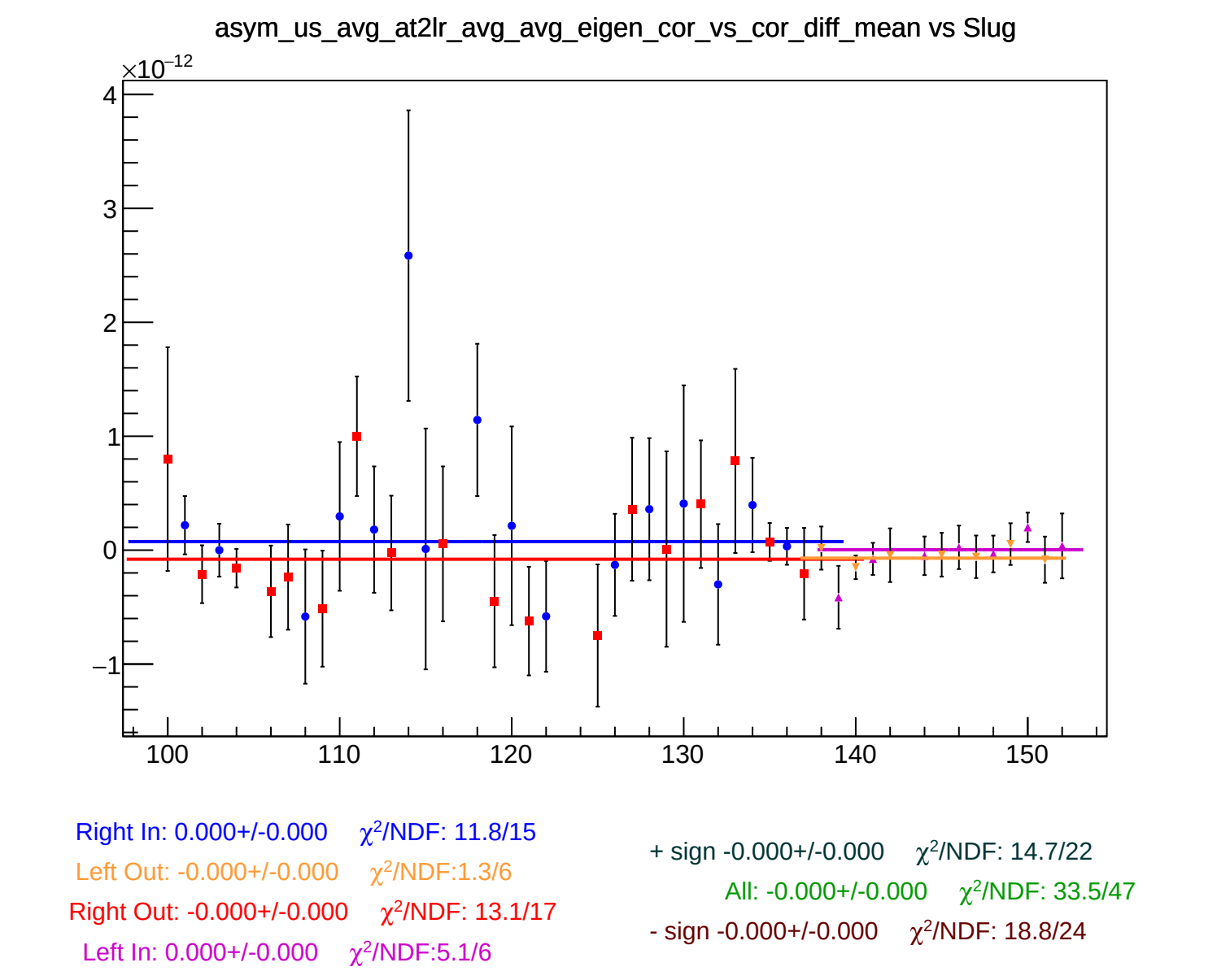
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

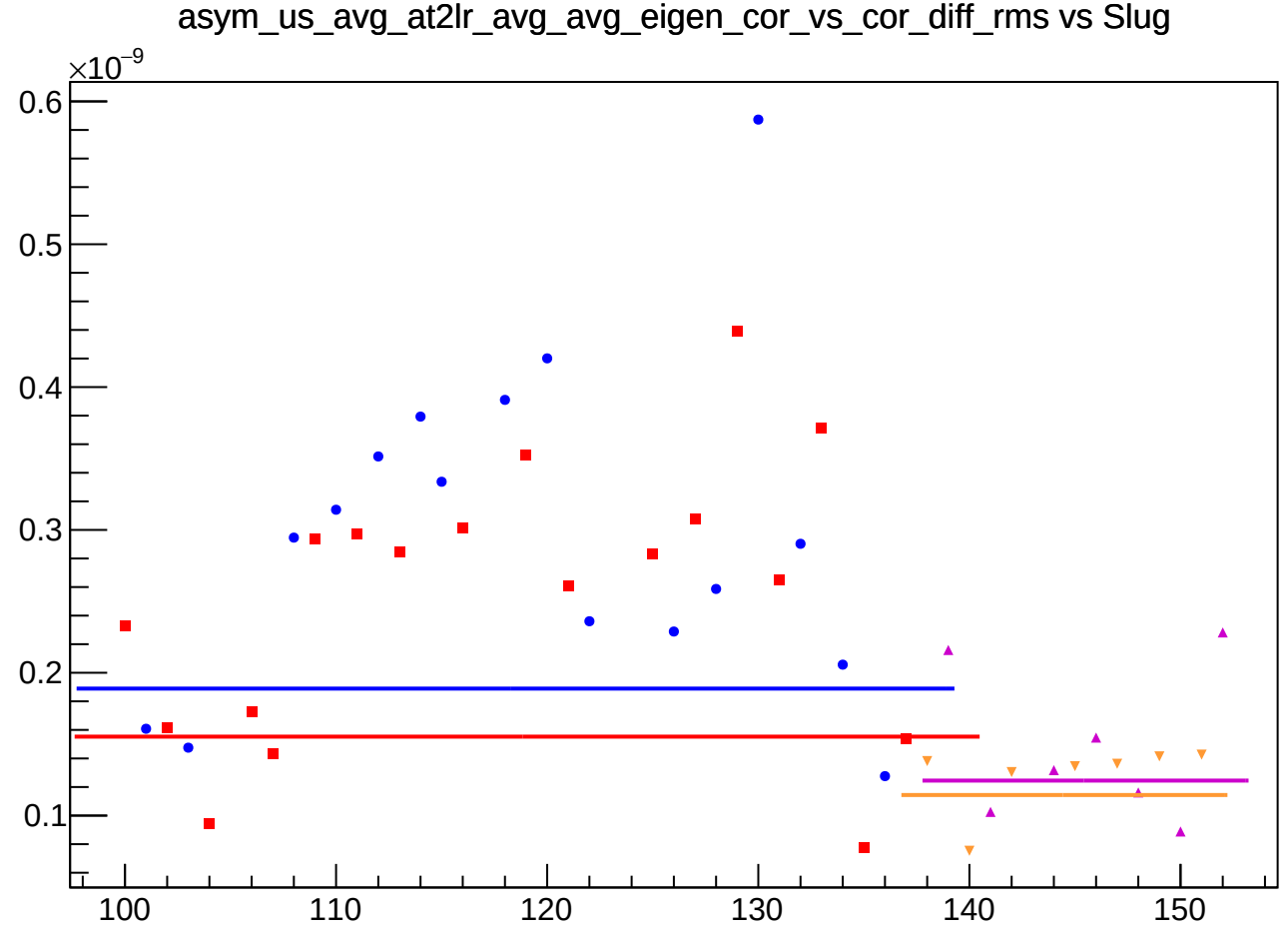
Left In: 647.782+/-0.190 χ^2/NDF:375803.5/6

+ sign 414.276+/-0.090 χ^2/NDF: 3068716.9/22

All: 408.405+/-0.062 χ^2/NDF: 6753541.6/47

- sign 402.939+/-0.087 χ^2/NDF: 3676598.3/24


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:1.3/6
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:5.1/6
+ sign -0.000+/-0.000 χ²/NDF: 14.7/22
All: -0.000+/-0.000 χ²/NDF: 33.5/47
- sign -0.000+/-0.000 χ²/NDF: 18.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:455130.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

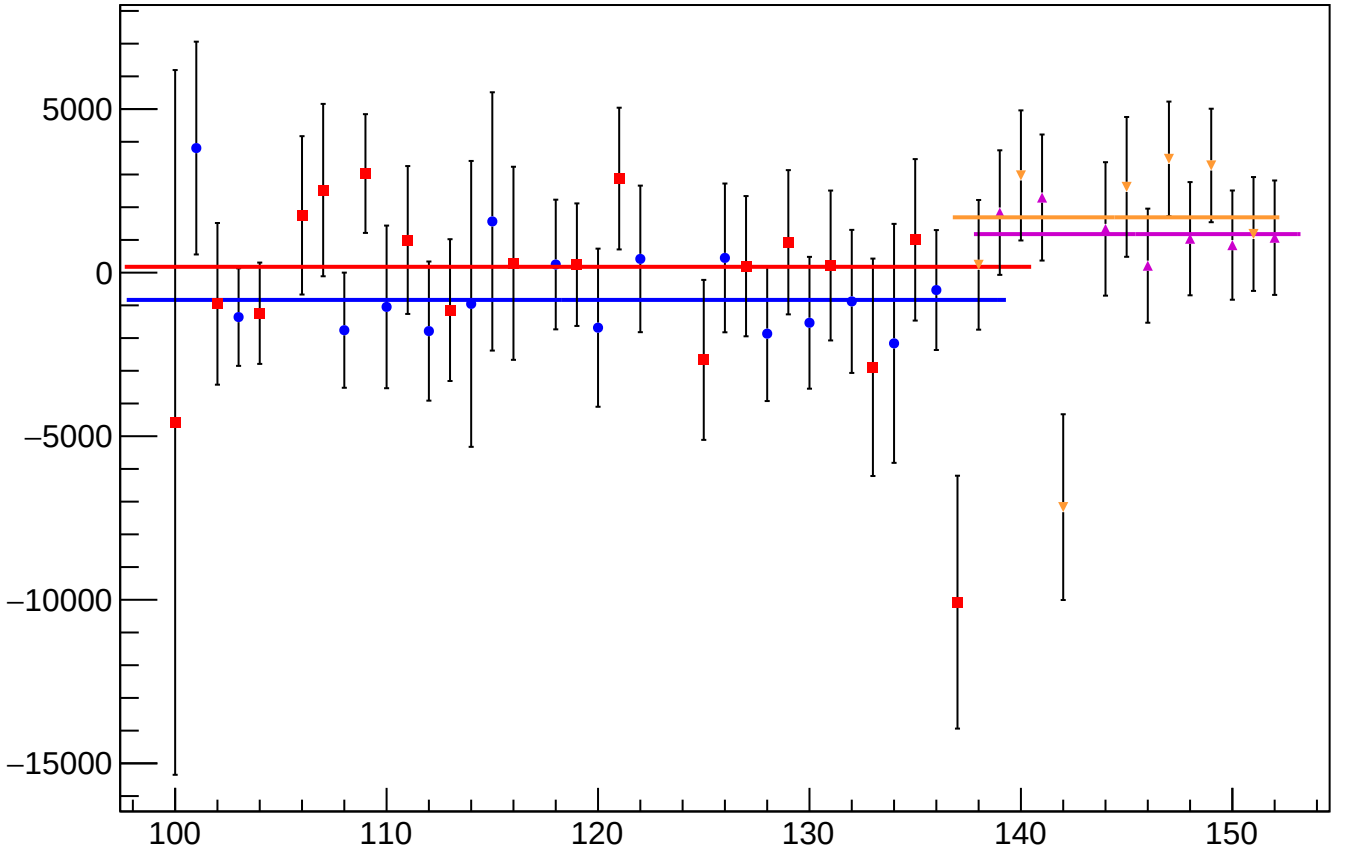
Left In: 0.000+/-0.000 χ^2/NDF:744956.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 2809442.3/22

All: 0.000+/-0.000 χ^2/NDF: 5919807.8/47

- sign 0.000+/-0.000 χ^2/NDF: 3109880.4/24

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1691.325+/-737.398 χ^2/NDF:12.8/6

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

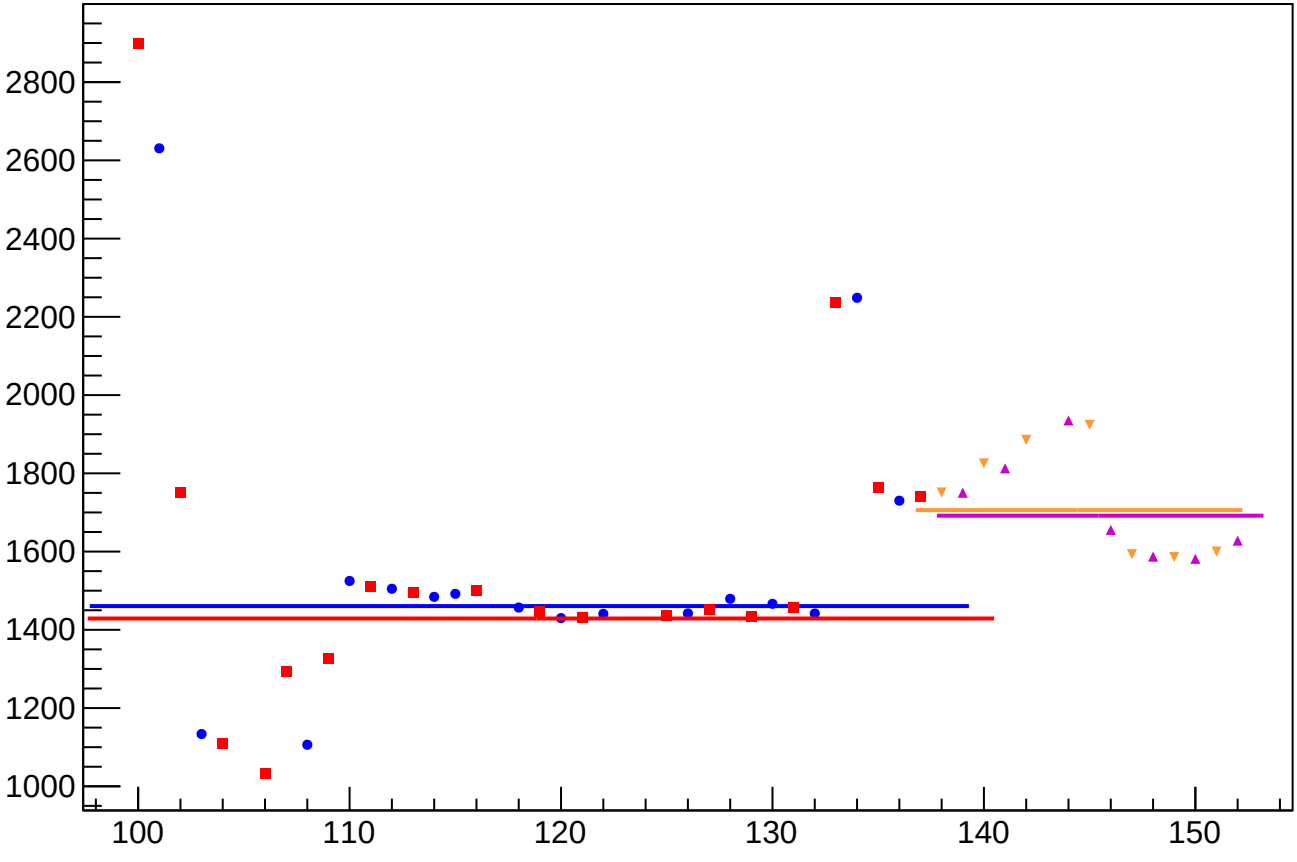
Left In: 1177.983+/-684.525 χ^2/NDF:0.8/6

\+ sign 79.201+/-443.351 χ^2/NDF: 24.9/22

All: 332.678+/-307.820 χ^2/NDF: 44.1/47

\- sign 568.592+/-427.716 χ^2/NDF: 18.6/24

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1705.924+/-0.521 χ^2/NDF:62333.5/6

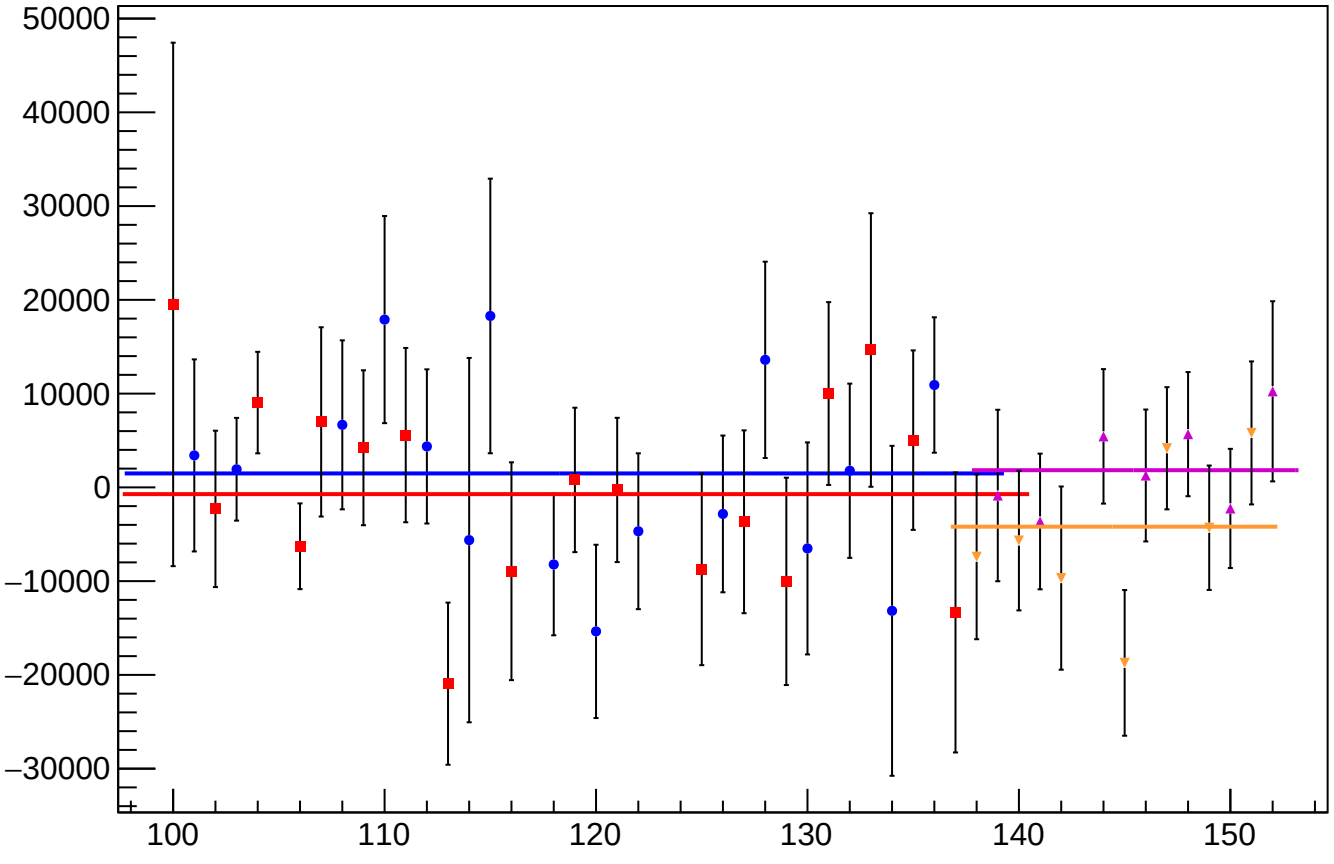
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1691.770+/-0.484 χ^2/NDF:57835.3/6

+ sign 1549.315+/-0.313 χ^2/NDF: 779351.8/22

All: 1539.595+/-0.217 χ^2/NDF: 1431083.6/47

- sign 1530.629+/-0.301 χ^2/NDF: 649883.6/24



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -4193.379+/-2869.037 χ^2/NDF:7.4/6

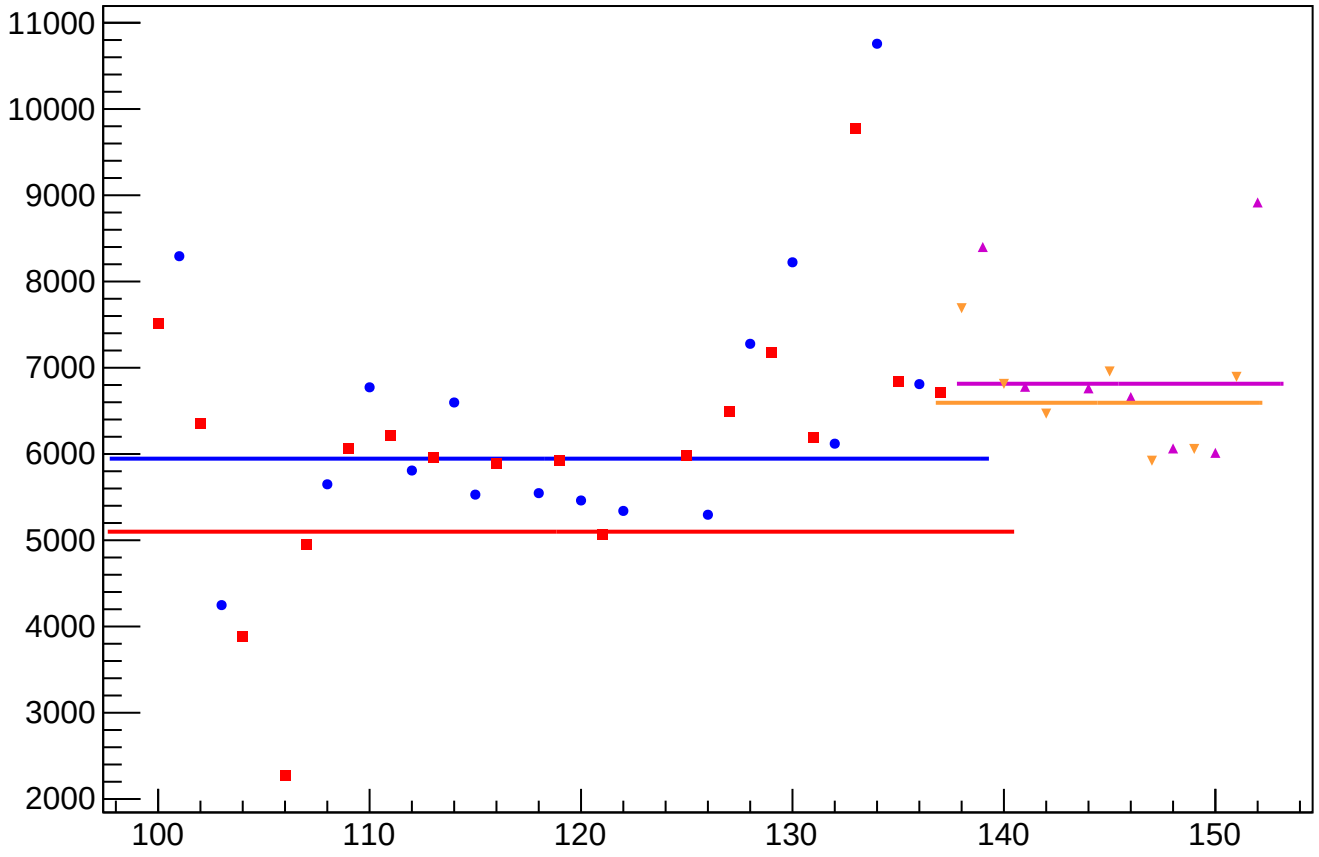
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 1831.398+/-2782.963 χ^2/NDF:2.4/6

+ sign -697.320+/-1779.231 χ^2/NDF: 23.9/22

All: -233.751+/-1201.994 χ^2/NDF: 44.6/47

- sign 155.447+/-1630.272 χ^2/NDF: 20.5/24



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 6594.030+/-2.029 χ^2/NDF:74911.5/6

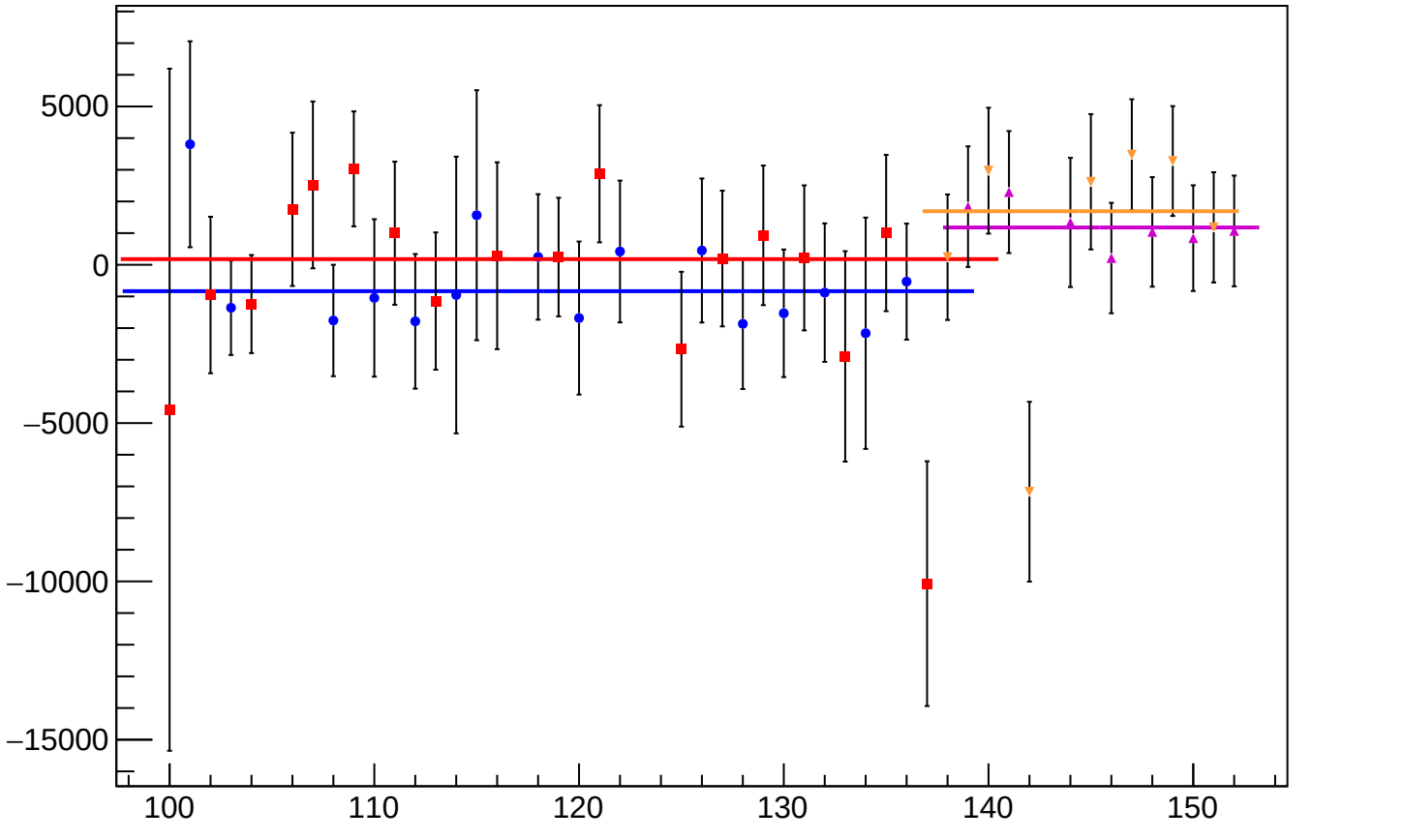
Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 6814.643+/-1.968 χ^2/NDF:214459.9/6

+ sign 6195.272+/-1.258 χ^2/NDF: 778821.2/22

All: 5919.515+/-0.850 χ^2/NDF: 3061063.0/47

- sign 5687.998+/-1.153 χ^2/NDF: 2193865.9/24



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1691.349+/-737.398 χ^2/NDF:12.8/6

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

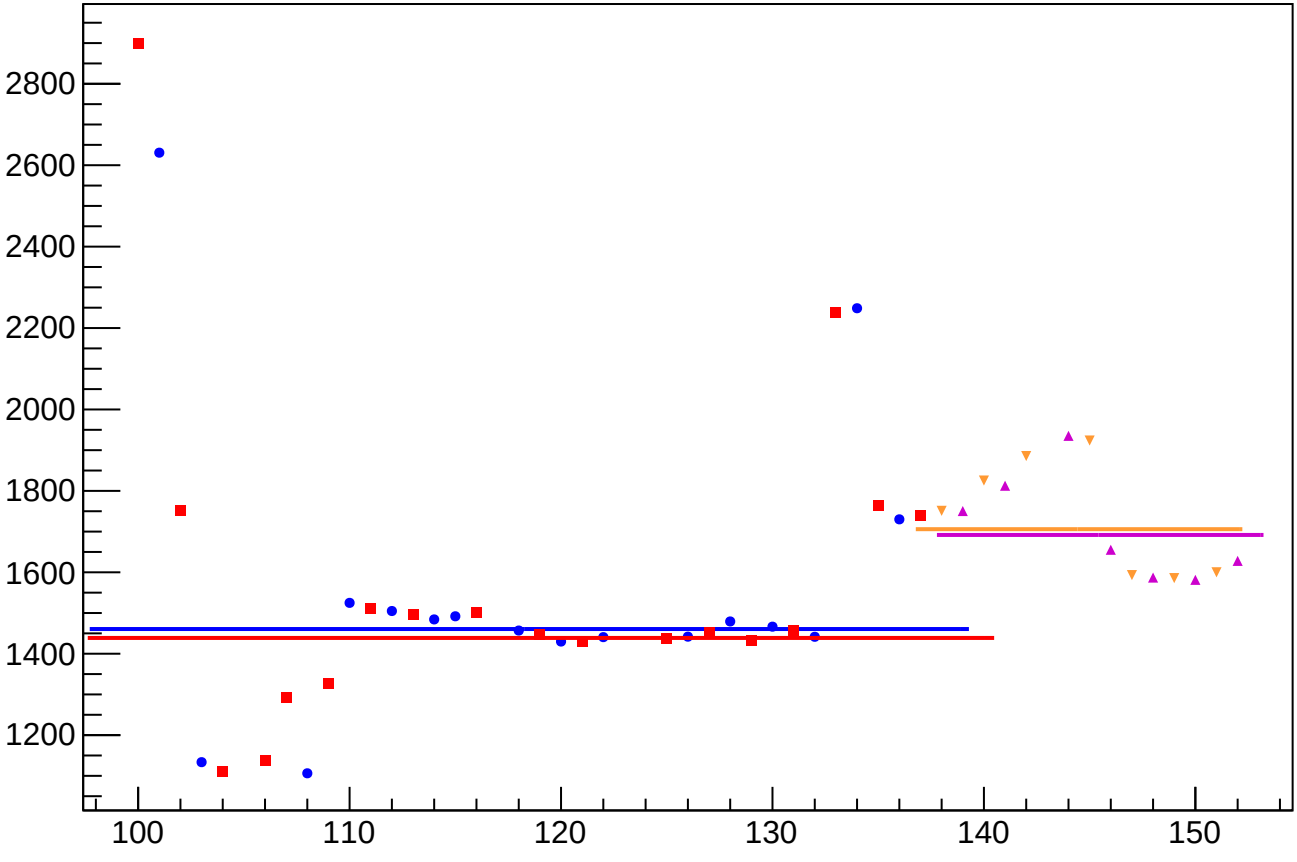
Left In: 1178.037+/-684.525 χ^2/NDF:0.8/6

\+ sign 79.170+/-443.351 χ^2/NDF: 24.9/22

All: 332.623+/-307.820 χ^2/NDF: 44.1/47

\- sign 568.516+/-427.716 χ^2/NDF: 18.6/24

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1705.924+/-0.521 χ^2/NDF:62333.5/6

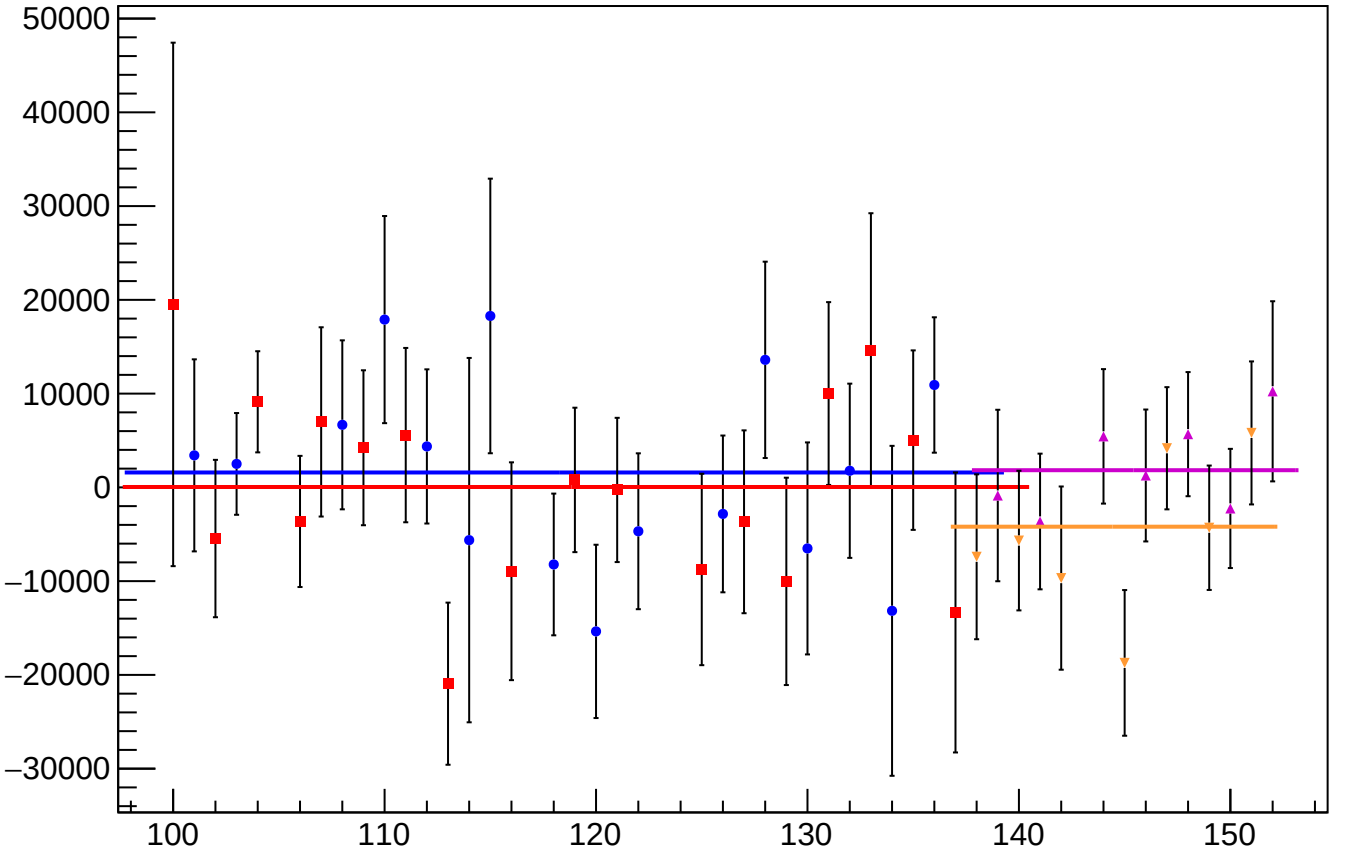
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1691.770+/-0.484 χ^2/NDF:57835.3/6

+ sign 1549.315+/-0.313 χ^2/NDF: 779352.3/22

All: 1543.067+/-0.218 χ^2/NDF: 1378176.4/47

- sign 1537.267+/-0.302 χ^2/NDF: 598058.2/24



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -4193.426+/-2869.035 χ^2/NDF:7.4/6

Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

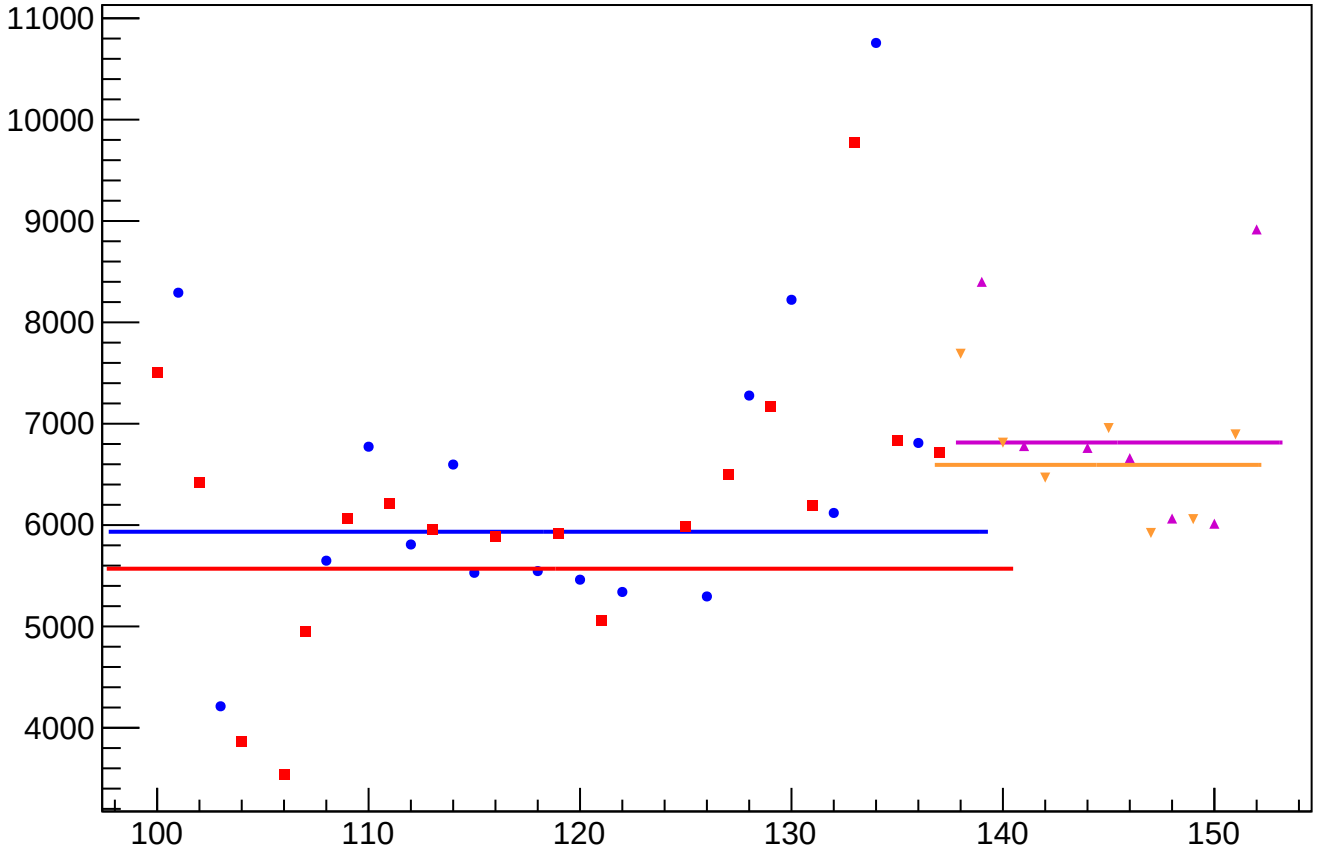
Left In: 1831.421+/-2782.960 χ^2/NDF:2.4/6

+ sign -630.501+/-1777.410 χ^2/NDF: 24.1/22

All: 68.864+/-1225.871 χ^2/NDF: 43.5/47

- sign 703.348+/-1692.959 χ^2/NDF: 19.1/24

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: 6594.025+/-2.029 χ^2/NDF:74911.2/6

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

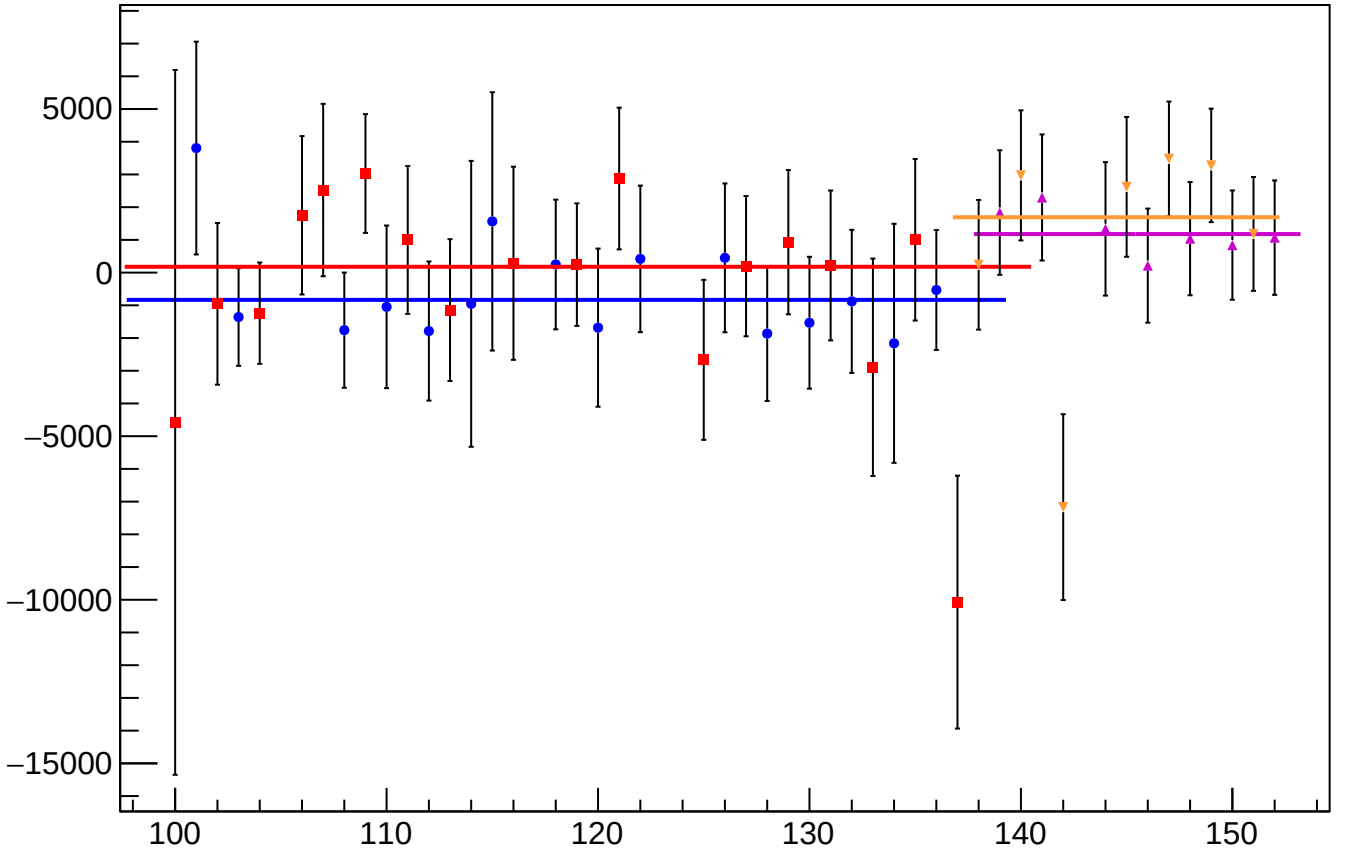
Left In: 6814.637+/-1.968 χ^2/NDF:214460.6/6

+ sign 6187.445+/-1.257 χ^2/NDF: 793175.9/22

All: 6105.077+/-0.867 χ^2/NDF: 1992034.5/47

- sign 6030.349+/-1.197 χ^2/NDF: 1190666.8/24

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1691.349+/-737.398 χ^2/NDF:12.8/6

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

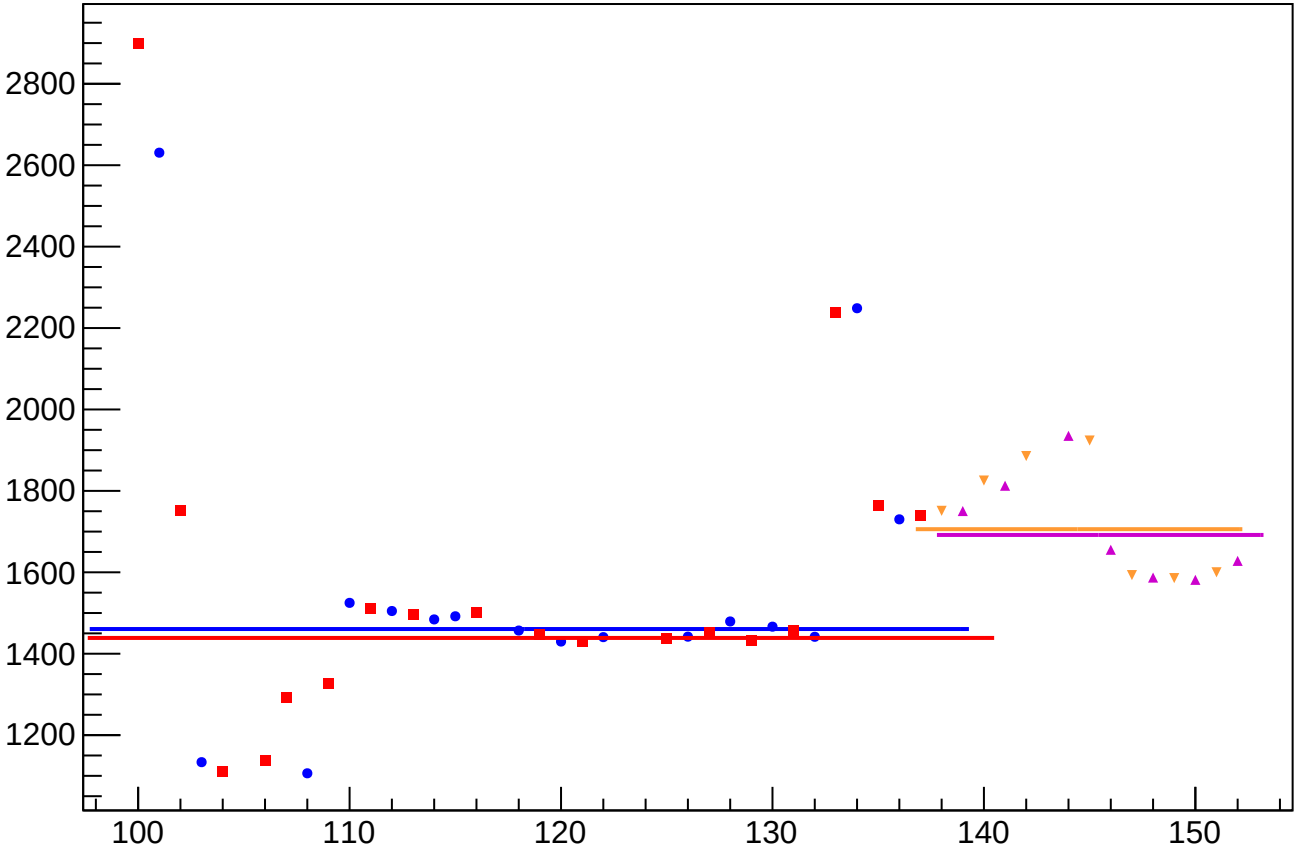
Left In: 1178.037+/-684.525 χ^2/NDF:0.8/6

\+ sign 79.170+/-443.351 χ^2/NDF: 24.9/22

All: 332.623+/-307.820 χ^2/NDF: 44.1/47

\- sign 568.516+/-427.716 χ^2/NDF: 18.6/24

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1705.924+/-0.521 χ^2/NDF:62333.5/6

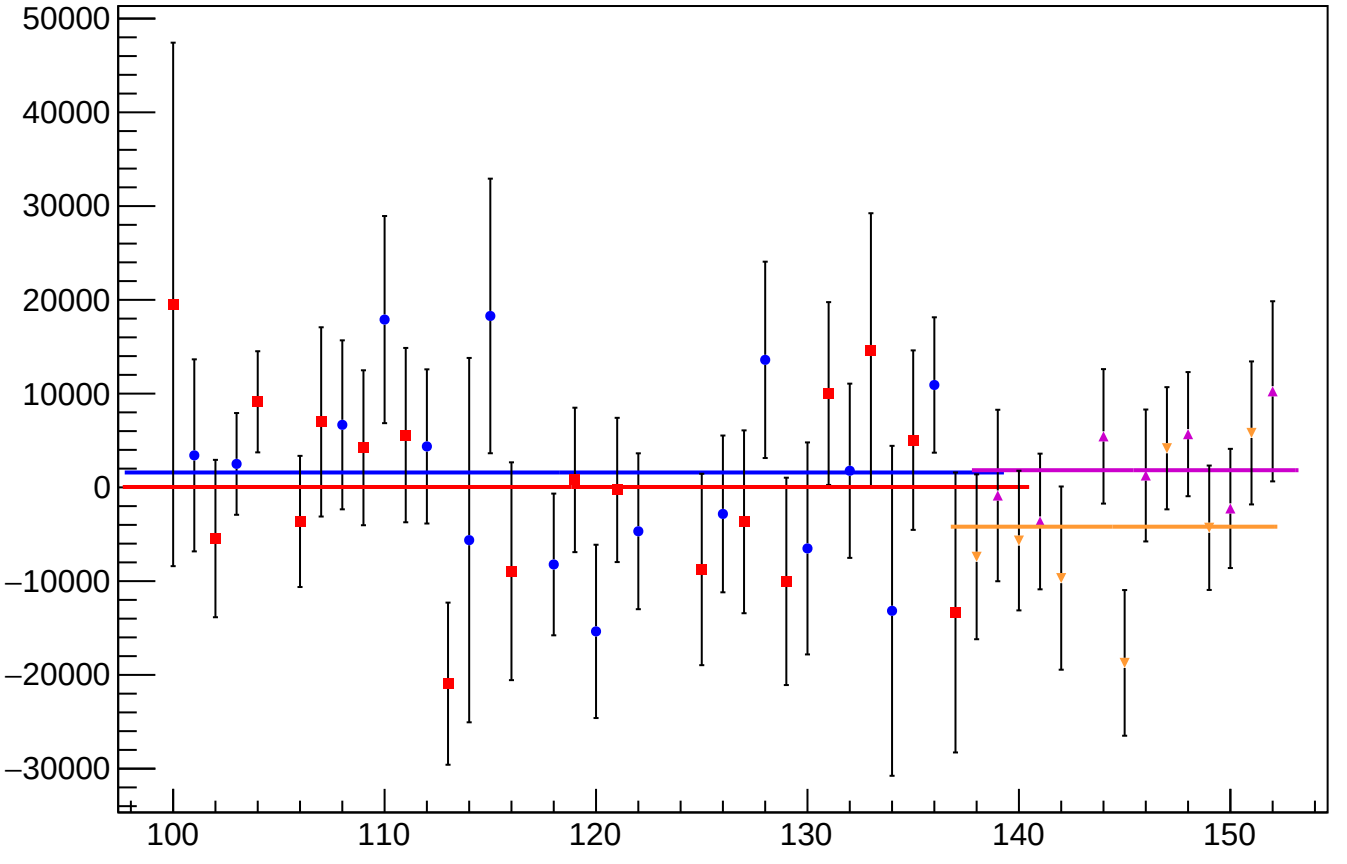
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1691.770+/-0.484 χ^2/NDF:57835.3/6

+ sign 1549.315+/-0.313 χ^2/NDF: 779352.3/22

All: 1543.067+/-0.218 χ^2/NDF: 1378176.4/47

- sign 1537.267+/-0.302 χ^2/NDF: 598058.2/24



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -4193.426+/-2869.035 χ^2/NDF:7.4/6

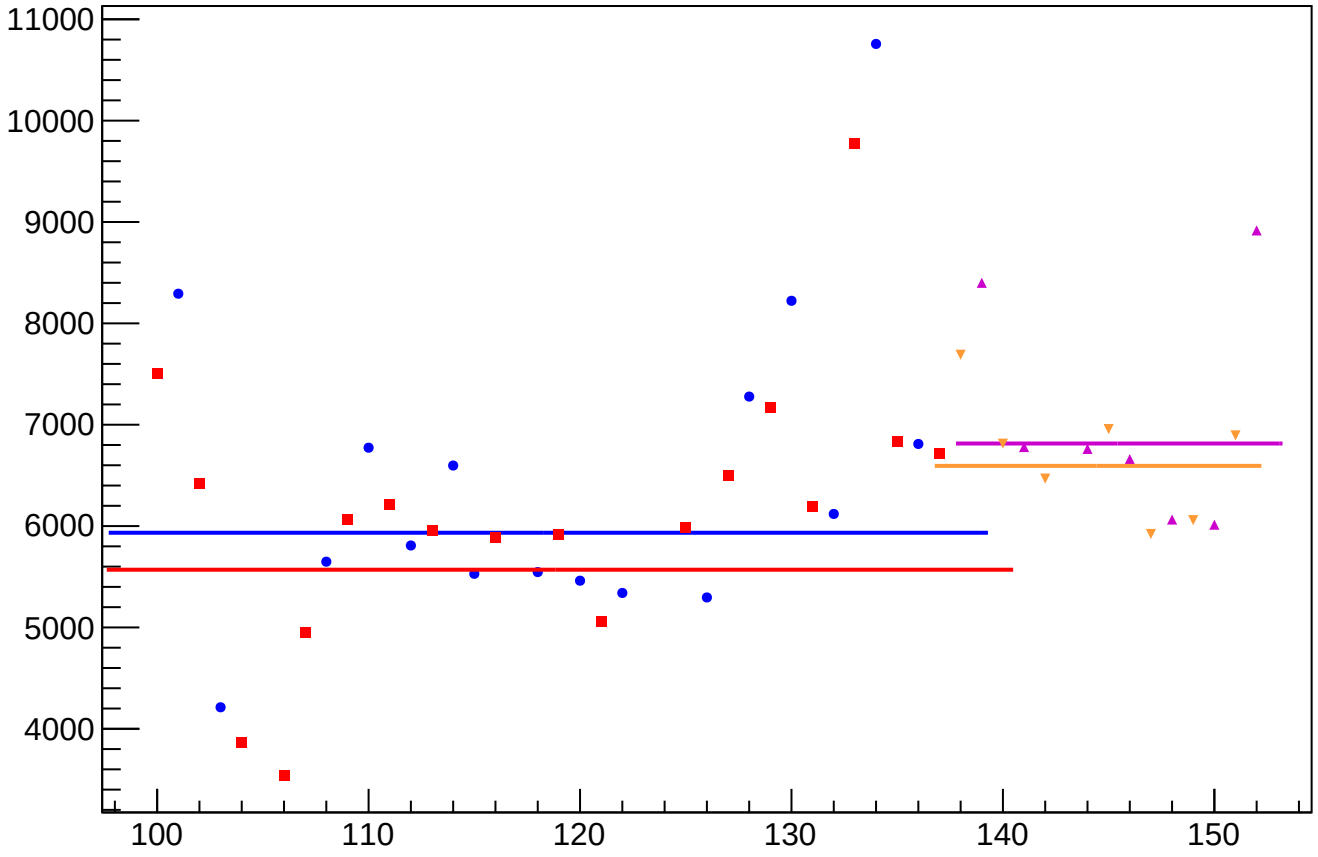
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1831.421+/-2782.960 χ^2/NDF:2.4/6

+ sign -630.501+/-1777.410 χ^2/NDF: 24.1/22

All: 68.864+/-1225.871 χ^2/NDF: 43.5/47

- sign 703.348+/-1692.959 χ^2/NDF: 19.1/24



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6594.025+/-2.029 χ^2/NDF:74911.2/6

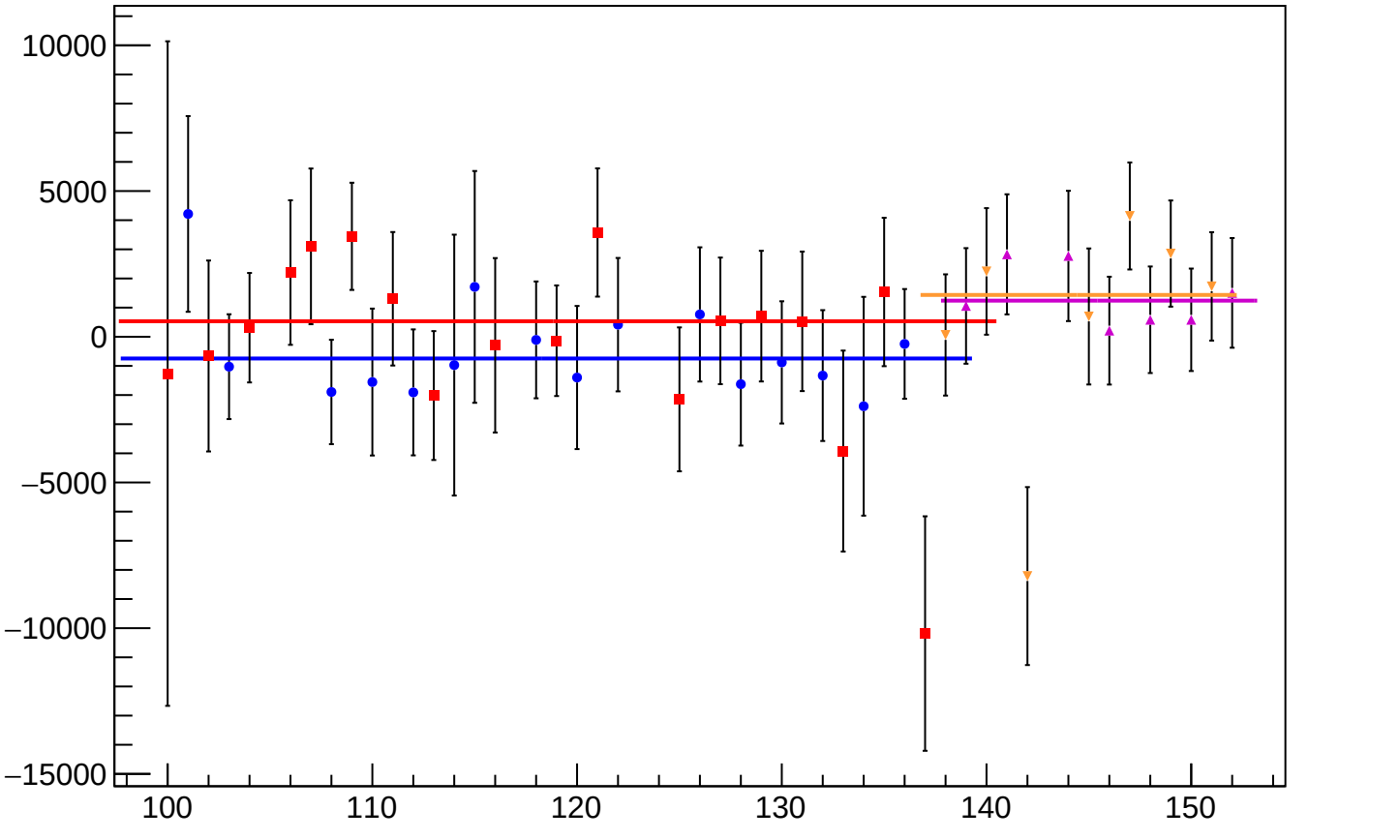
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6814.637+/-1.968 χ^2/NDF:214460.6/6

+ sign 6187.445+/-1.257 χ^2/NDF: 793175.9/22

All: 6105.077+/-0.867 χ^2/NDF: 1992034.5/47

- sign 6030.349+/-1.197 χ^2/NDF: 1190666.8/24



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1434.589+/-785.384 χ^2/NDF:13.5/6

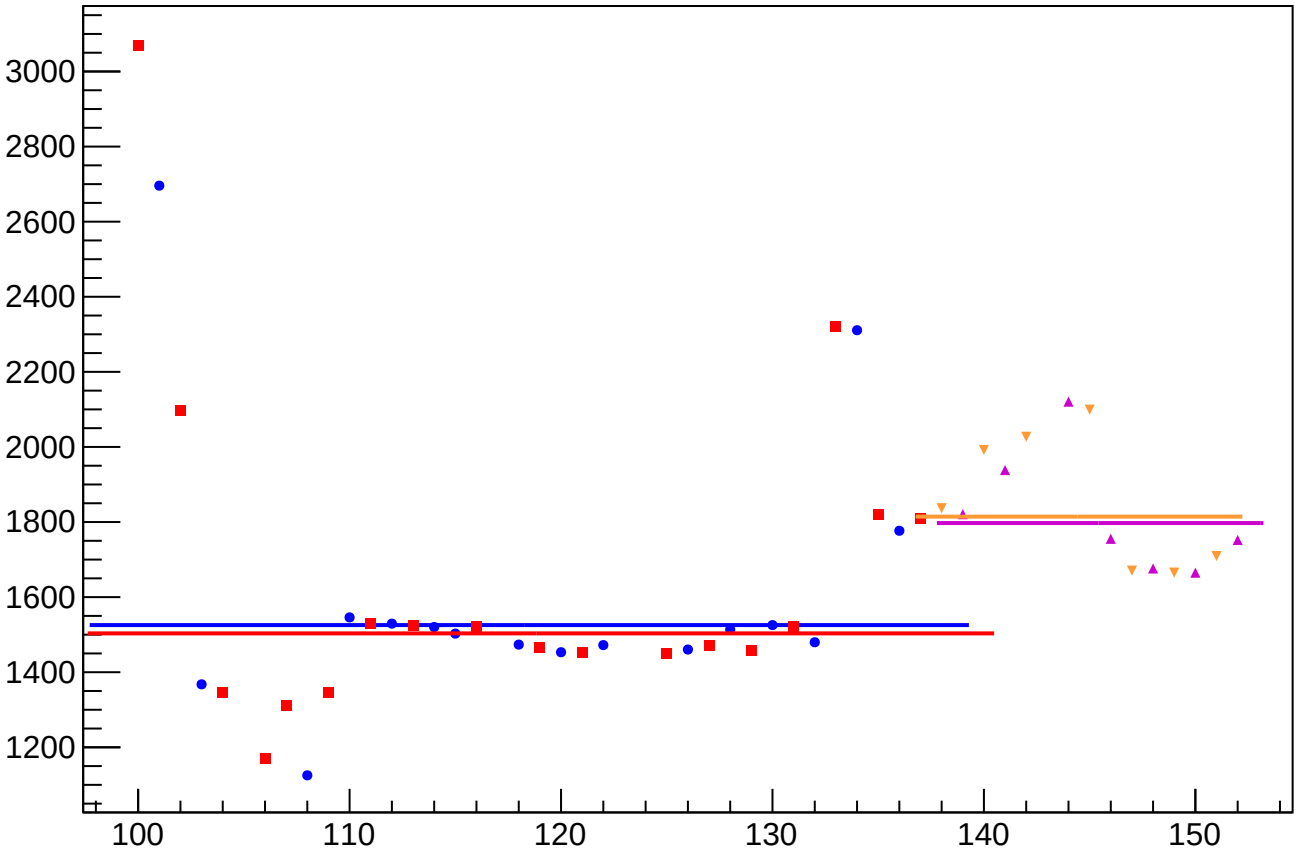
Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: 1239.363+/-727.911 χ^2/NDF:1.7/6

\+ sign 20.285+/-465.558 χ^2/NDF: 23.2/22

All: 424.063+/-324.027 χ^2/NDF: 44.7/47

\- sign 803.424+/-451.262 χ^2/NDF: 20.0/24



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1814.393+/-0.555 χ^2/NDF:85182.7/6

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

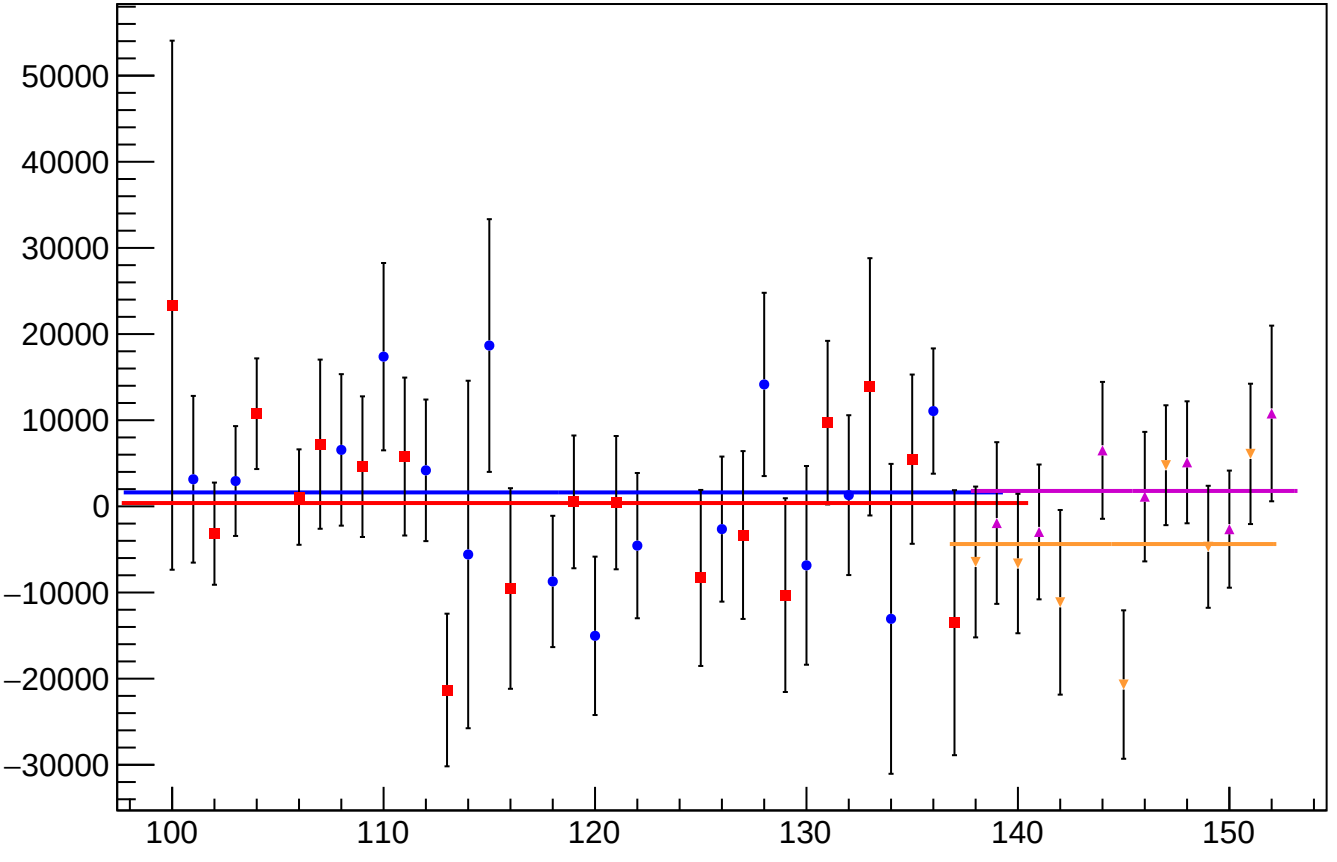
Left In: 1797.278+/-0.515 χ^2/NDF:73775.5/6

+ sign 1627.036+/-0.329 χ^2/NDF: 748987.9/22

All: 1621.513+/-0.229 χ^2/NDF: 1362518.6/47

- sign 1616.326+/-0.319 χ^2/NDF: 612984.8/24

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -4373.500+/-3069.114 χ^2/NDF:7.5/6

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

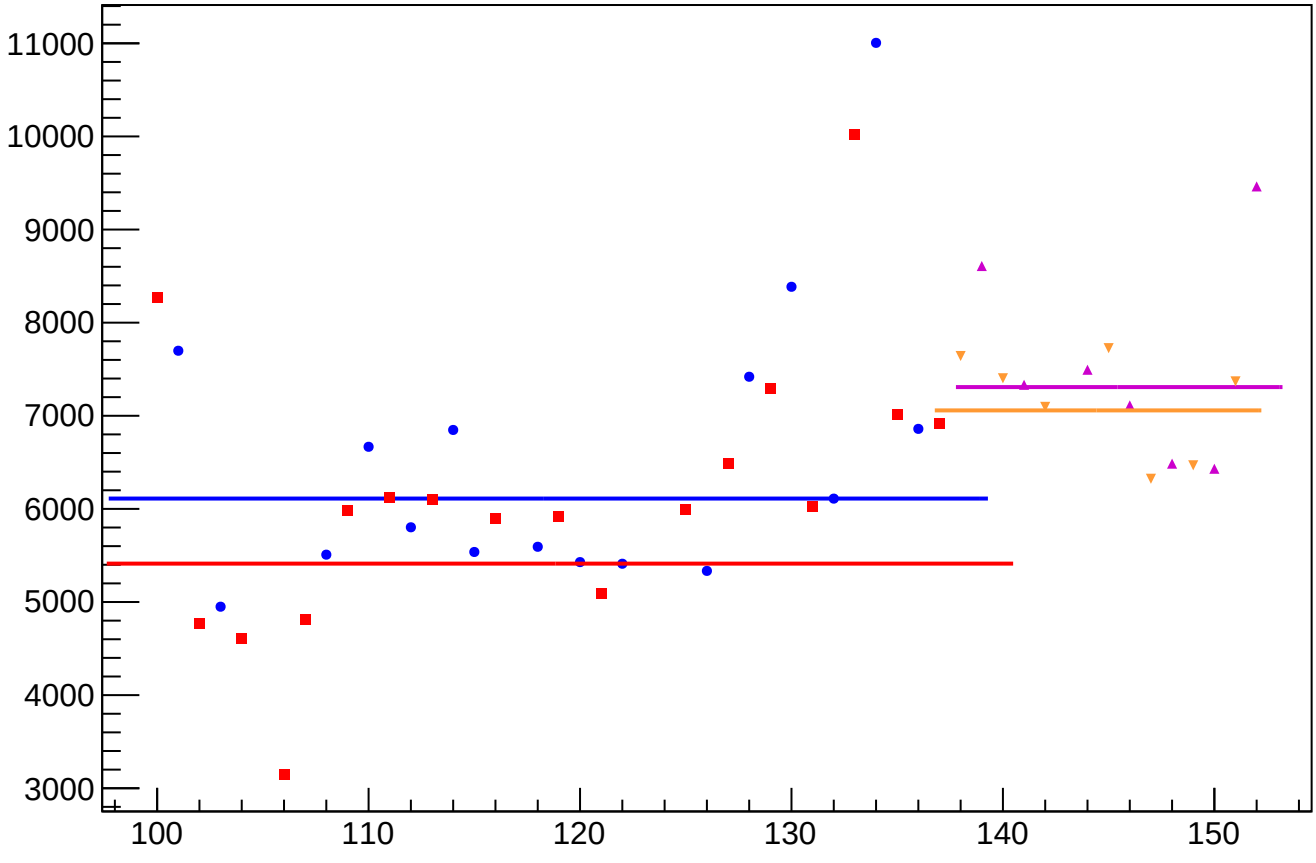
Left In: 1788.392+/-2982.369 χ^2/NDF:2.3/6

+ sign -559.418+/-1850.745 χ^2/NDF: 24.2/22

All: 201.016+/-1250.168 χ^2/NDF: 43.0/47

- sign 839.190+/-1695.453 χ^2/NDF: 18.5/24

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: 7057.743+/-2.170 χ^2/NDF:63661.4/6

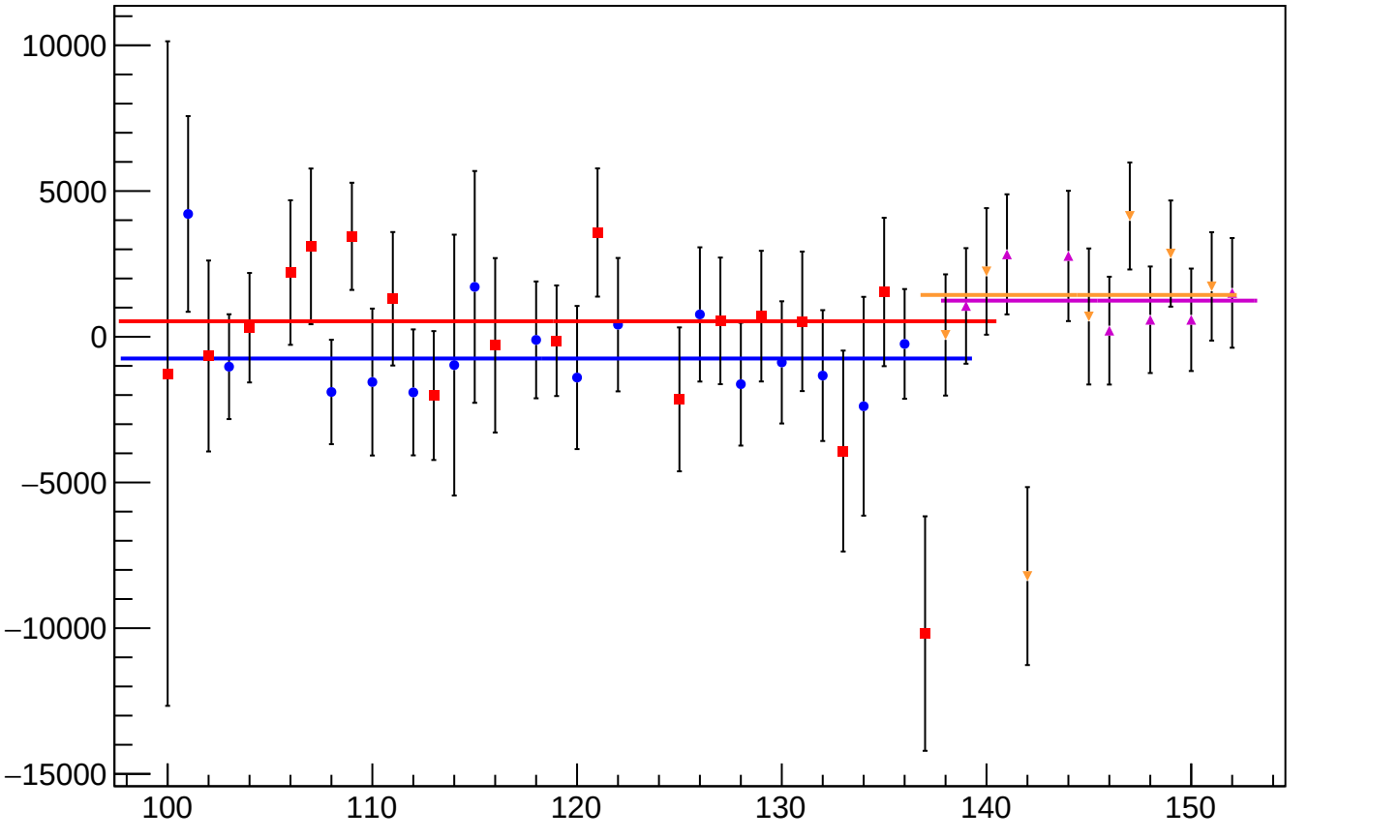
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7308.178+/-2.109 χ^2/NDF:190494.5/6

+ sign 6455.294+/-1.309 χ^2/NDF: 656421.8/22

All: 6221.339+/-0.884 χ^2/NDF: 2274255.9/47

- sign 6024.999+/-1.199 χ^2/NDF: 1559053.6/24



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1434.581+/-785.385 χ^2/NDF:13.5/6

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

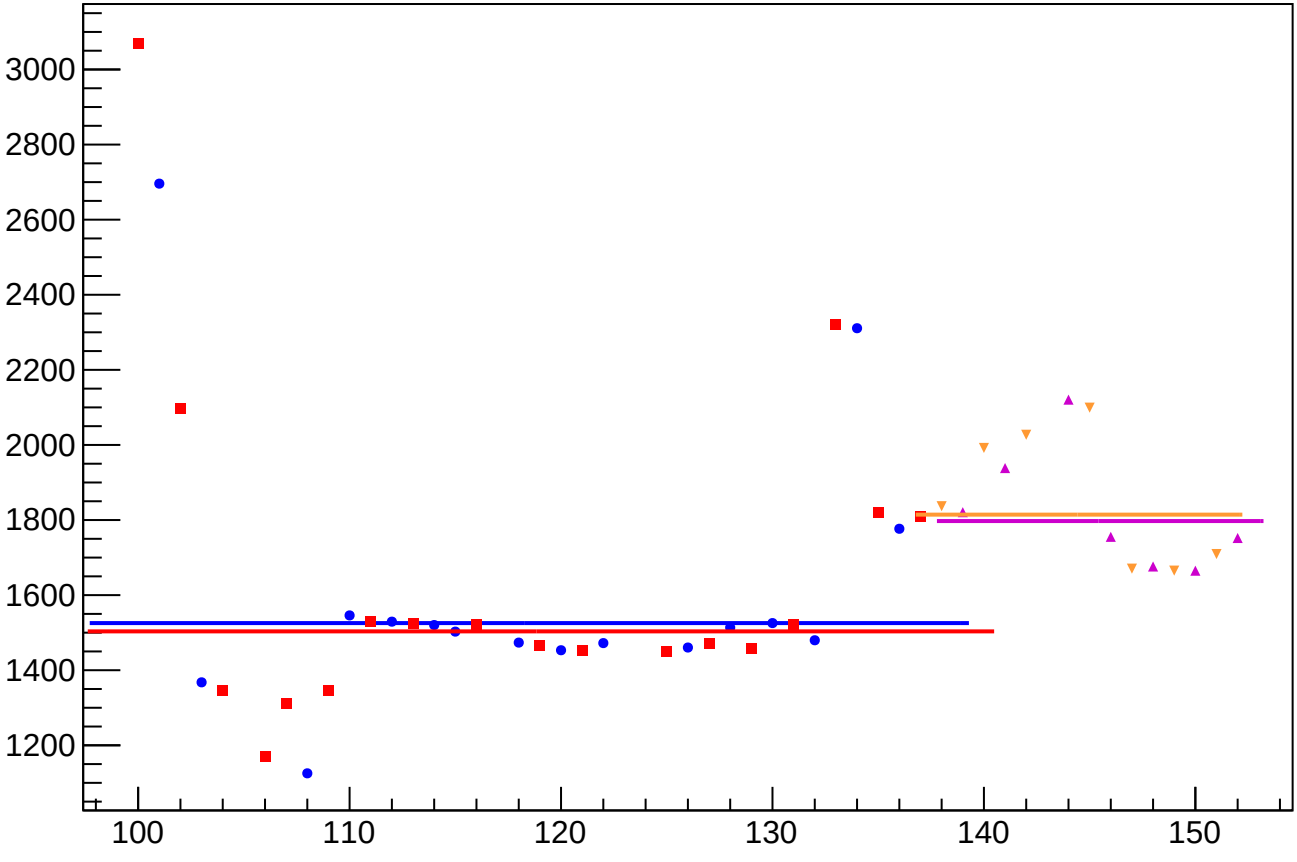
Left In: 1239.359+/-727.912 χ^2/NDF:1.7/6

+ sign 20.278+/-465.559 χ^2/NDF: 23.2/22

All: 424.062+/-324.027 χ^2/NDF: 44.7/47

- sign 803.428+/-451.263 χ^2/NDF: 20.0/24

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: 1814.395+/-0.555 χ^2/NDF:85183.7/6

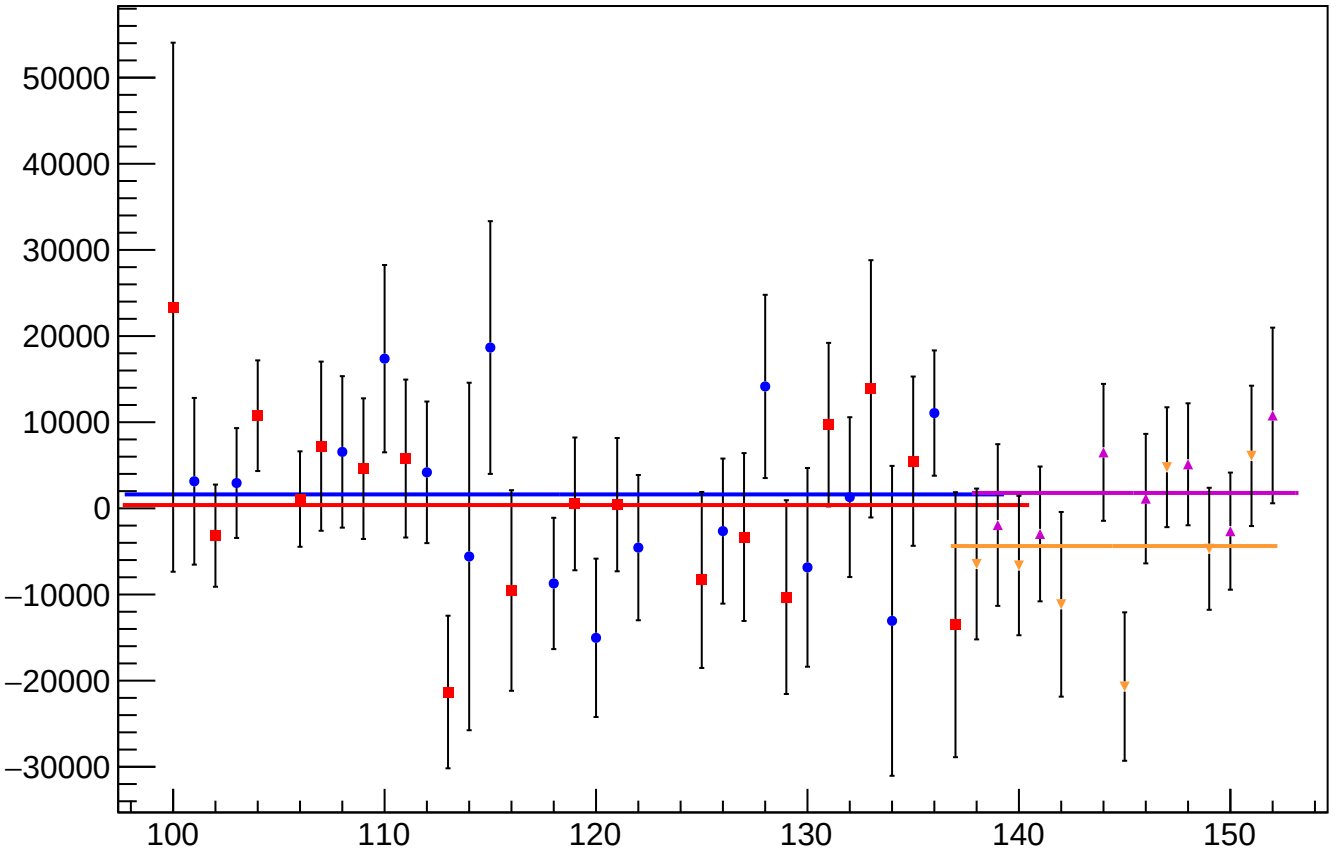
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1797.280+/-0.515 χ^2/NDF:73775.7/6

+ sign 1627.037+/-0.329 χ^2/NDF: 748990.4/22

All: 1621.514+/-0.229 χ^2/NDF: 1362523.9/47

- sign 1616.327+/-0.319 χ^2/NDF: 612987.8/24



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -4373.504+/-3069.117 χ^2/NDF:7.5/6

Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

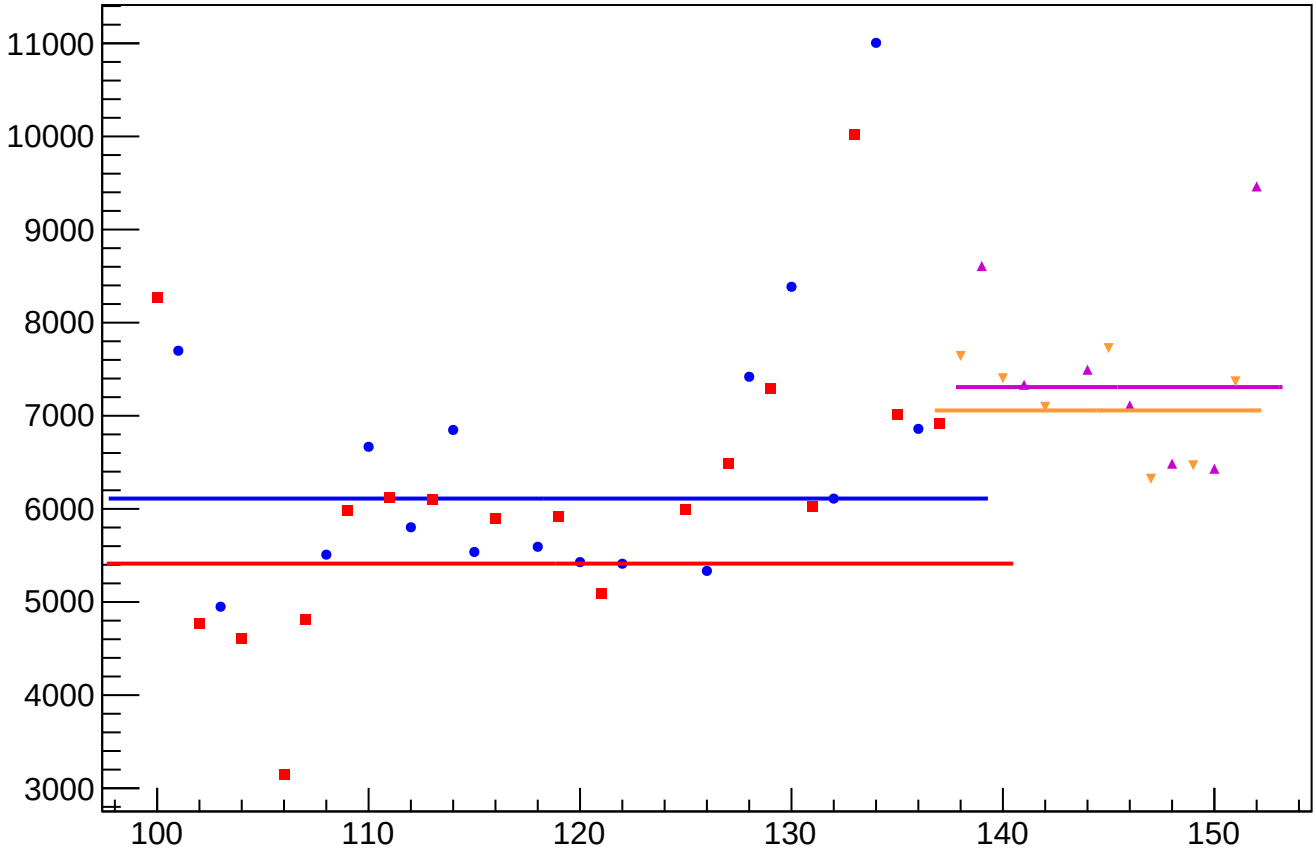
Left In: 1788.388+/-2982.373 χ^2/NDF:2.3/6

+ sign -559.423+/-1850.744 χ^2/NDF: 24.2/22

All: 201.014+/-1250.167 χ^2/NDF: 43.0/47

- sign 839.191+/-1695.451 χ^2/NDF: 18.5/24

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7057.752+/-2.170 χ^2/NDF:63662.3/6

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

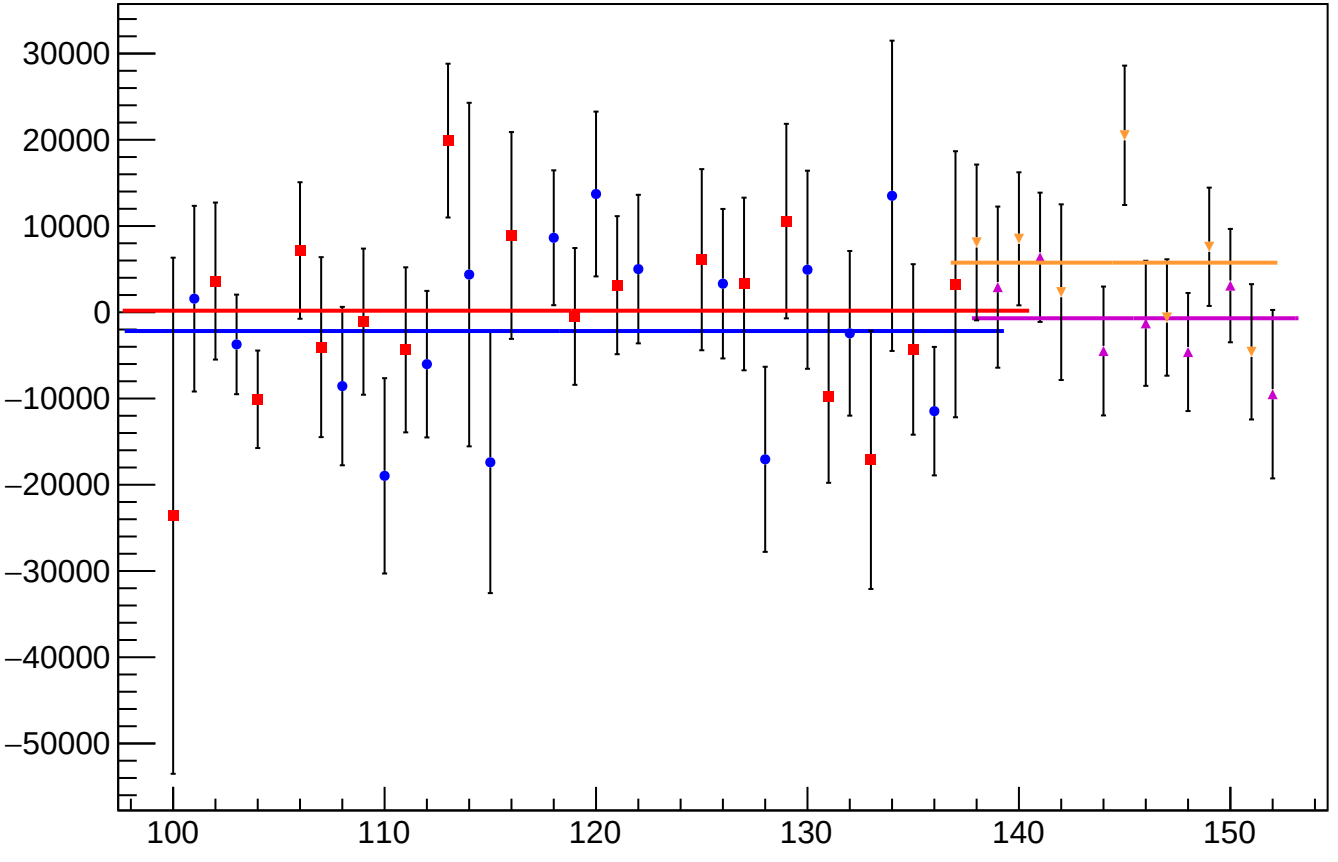
Left In: 7308.187+/-2.109 χ^2/NDF:190495.2/6

+ sign 6455.287+/-1.309 χ^2/NDF: 656430.4/22

All: 6221.332+/-0.884 χ^2/NDF: 2274277.0/47

- sign 6024.992+/-1.199 χ^2/NDF: 1559065.8/24

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 5752.970+/-2968.454 χ^2/NDF:6.3/6

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

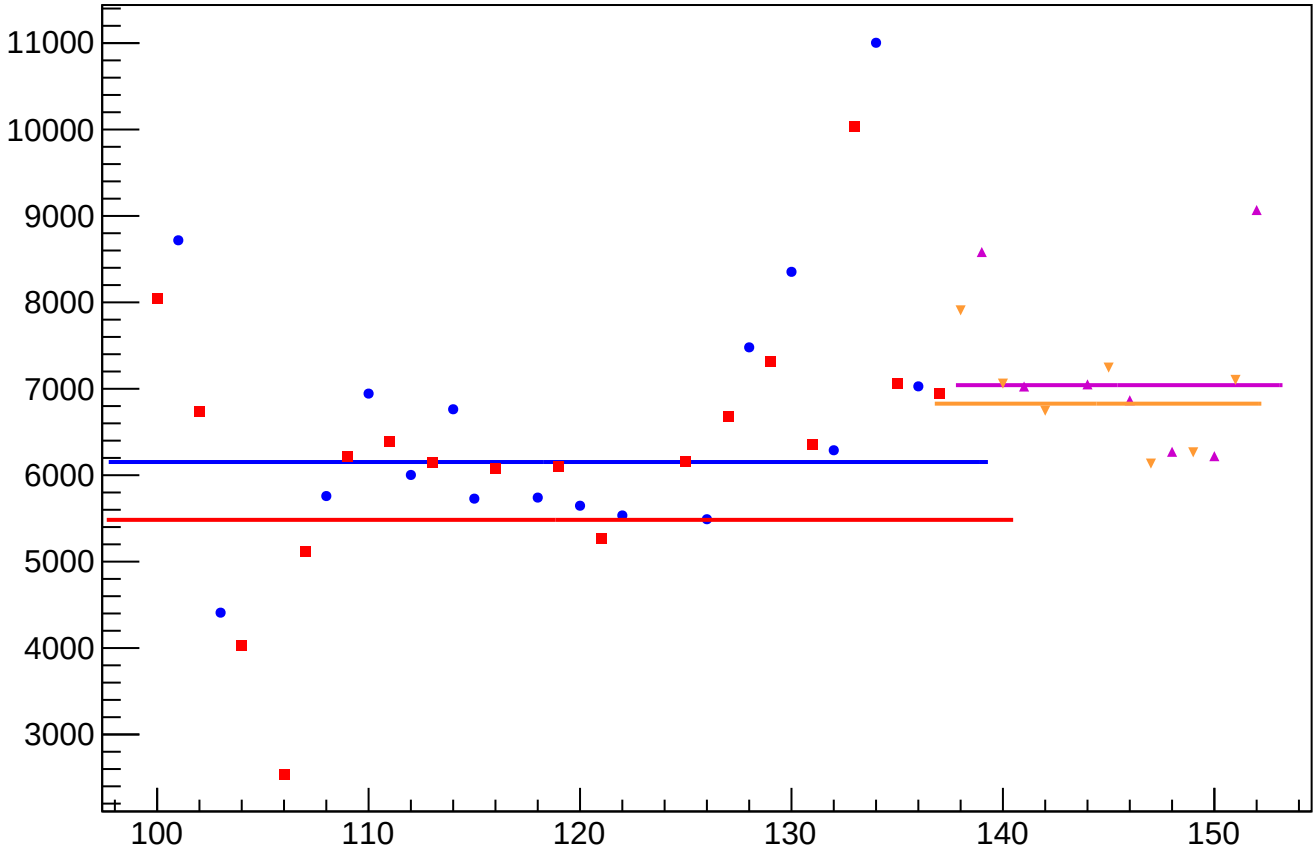
Left In: -693.811+/-2872.886 χ^2/NDF:2.8/6

+ sign 876.235+/-1841.389 χ^2/NDF: 25.3/22

All: 342.268+/-1272.697 χ^2/NDF: 43.0/47

- sign -146.112+/-1761.031 χ^2/NDF: 17.5/24

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 6827.857+/-2.099 χ^2/NDF:72907.4/6

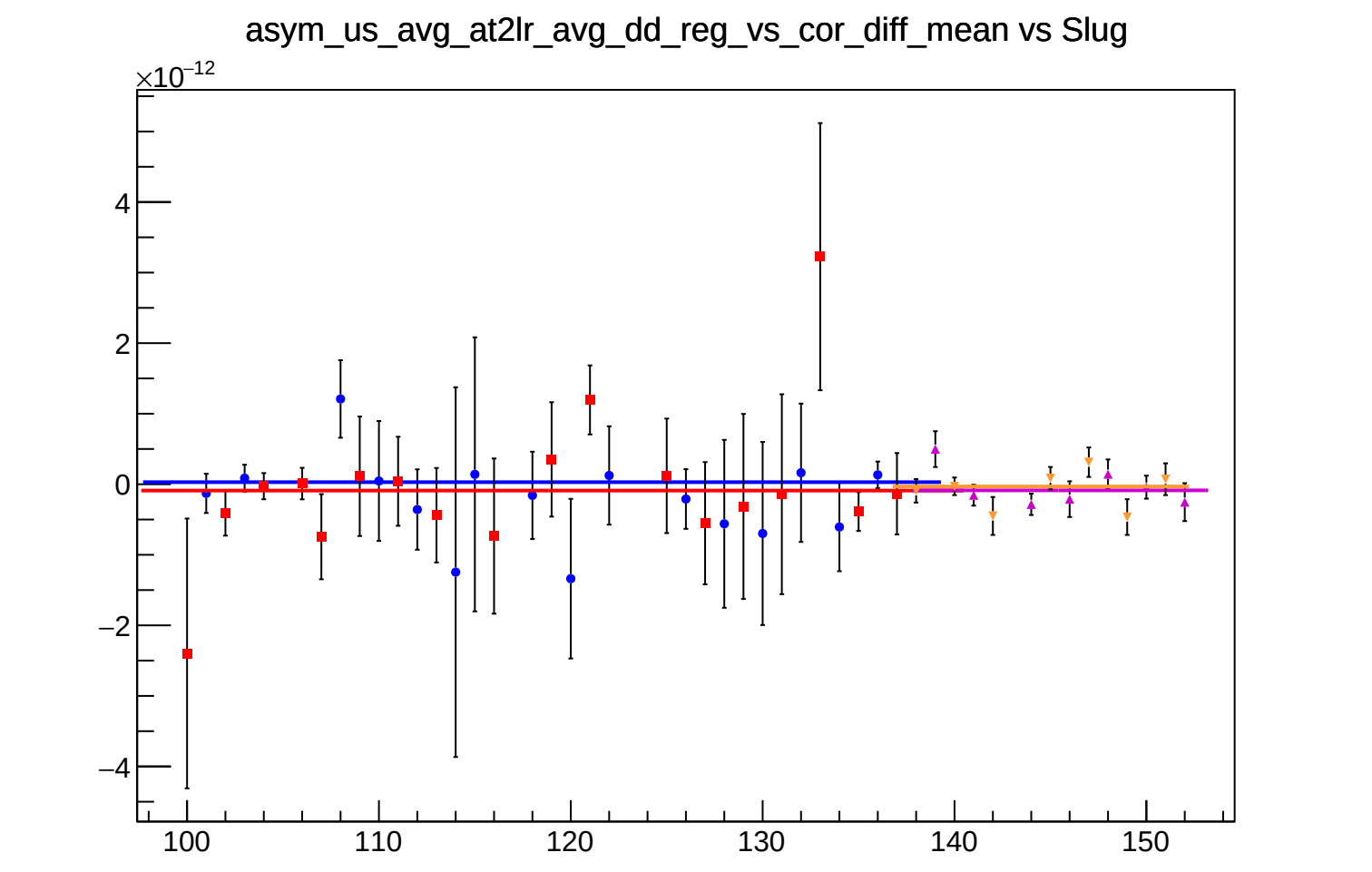
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

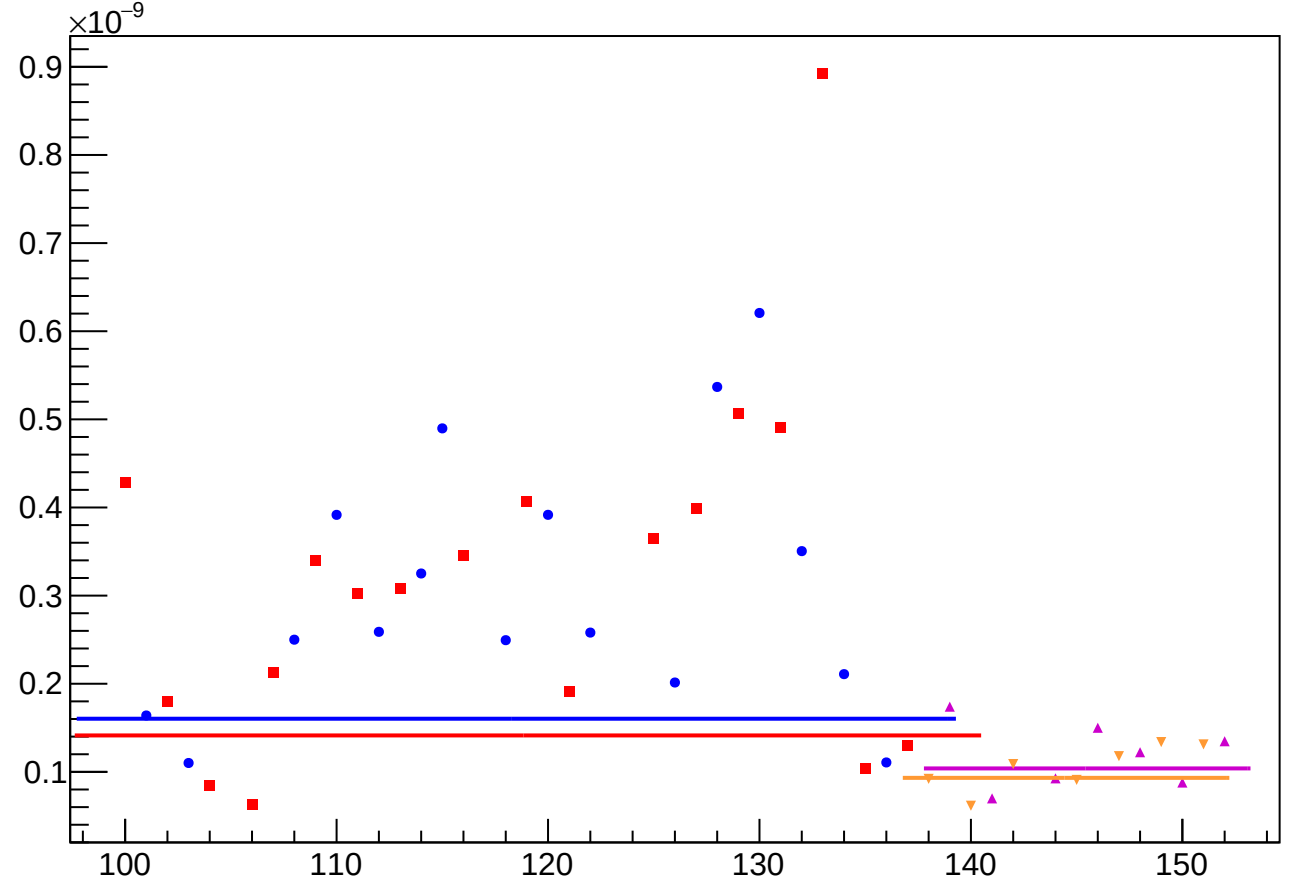
Left In: 7042.021+/-2.031 χ^2/NDF:198277.1/6

+ sign 6412.489+/-1.302 χ^2/NDF: 760586.3/22

All: 6214.990+/-0.889 χ^2/NDF: 2528190.8/47

- sign 6042.521+/-1.217 χ^2/NDF: 1724504.9/24


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
4
2
0
−2
−4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: -0.000+/-0.000 χ²/NDF:9.0/6
Right Out: -0.000+/-0.000 χ²/NDF: 16.5/17
Left In: -0.000+/-0.000 χ²/NDF:9.2/6
+ sign -0.000+/-0.000 χ²/NDF: 18.7/22
All: -0.000+/-0.000 χ²/NDF: 45.2/47
- sign -0.000+/-0.000 χ²/NDF: 25.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:271827.3/6

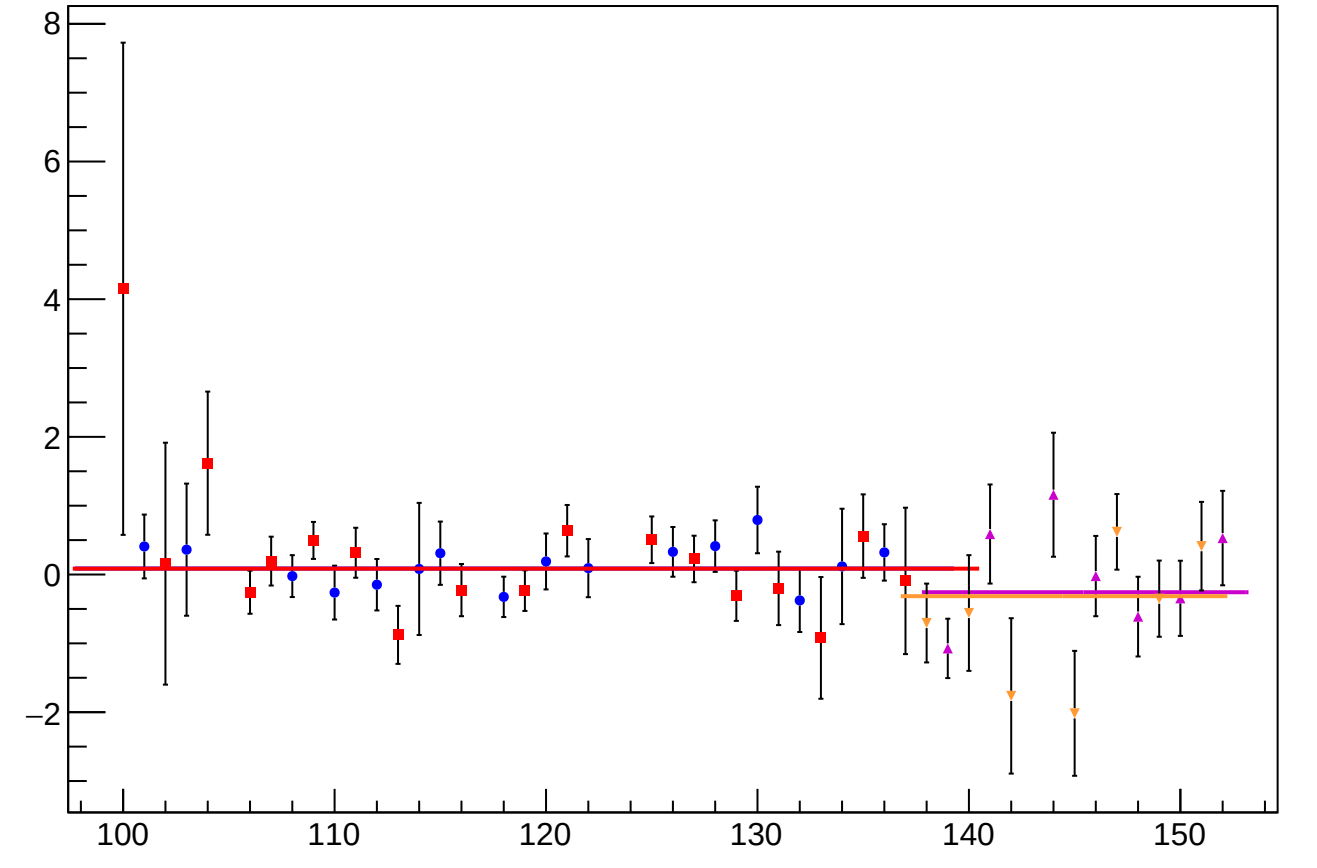
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:396892.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 2183555.6/22

All: 0.000+/-0.000 χ^2/NDF: 4927479.2/47

- sign 0.000+/-0.000 χ^2/NDF: 2742032.6/24



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.315+/-0.254 χ^2/NDF:9.9/6

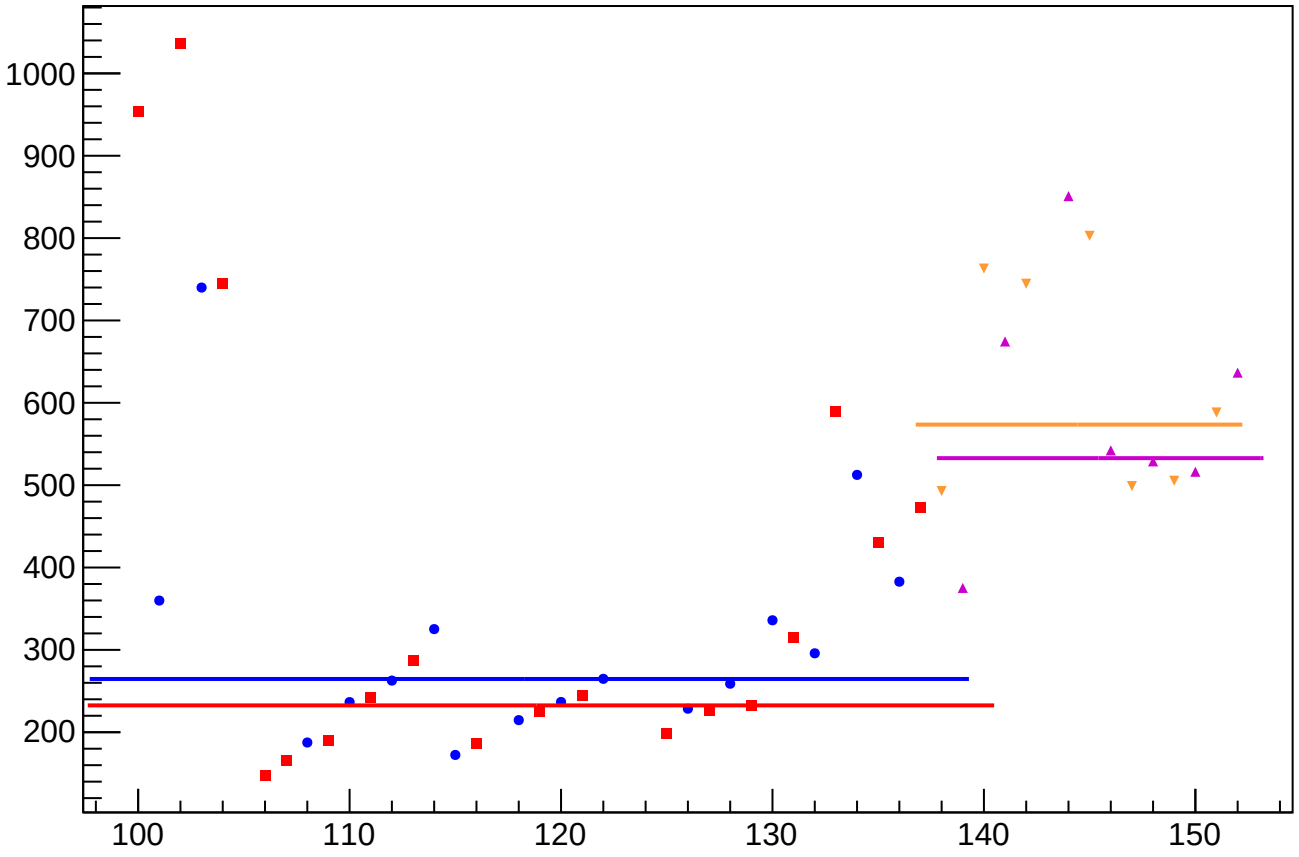
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.257+/-0.224 χ^2/NDF:9.3/6

+ sign 0.028+/-0.097 χ^2/NDF: 20.9/22

All: 0.030+/-0.066 χ^2/NDF: 54.0/47

- sign 0.031+/-0.089 χ^2/NDF: 33.1/24



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 573.548+/-0.180 χ^2/NDF:383255.6/6

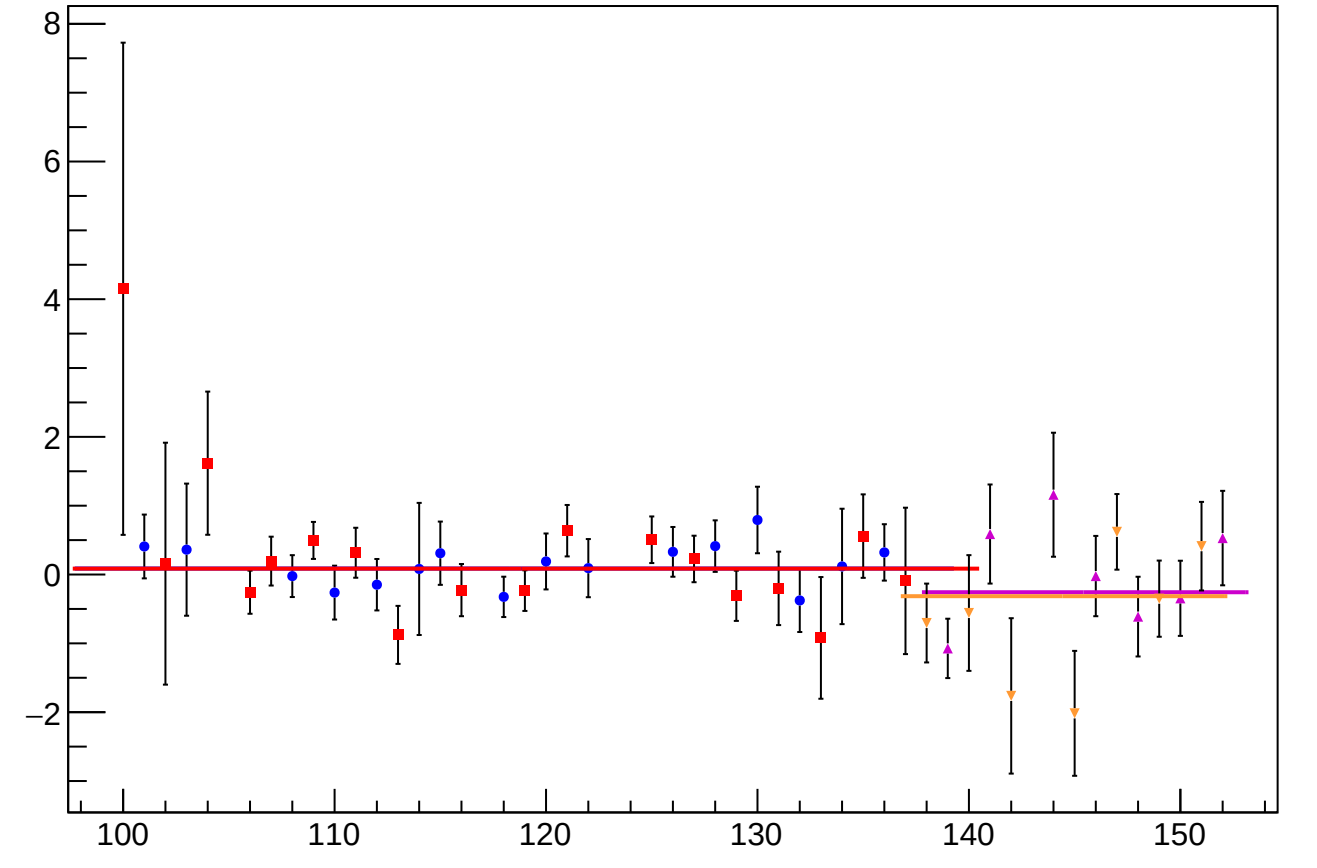
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 532.807+/-0.158 χ^2/NDF:642159.7/6

+ sign 309.706+/-0.069 χ^2/NDF: 4187153.9/22

All: 293.768+/-0.046 χ^2/NDF: 9984581.8/47

- sign 280.301+/-0.063 χ^2/NDF: 5698046.8/24



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.315+/-0.254 χ^2/NDF:9.9/6

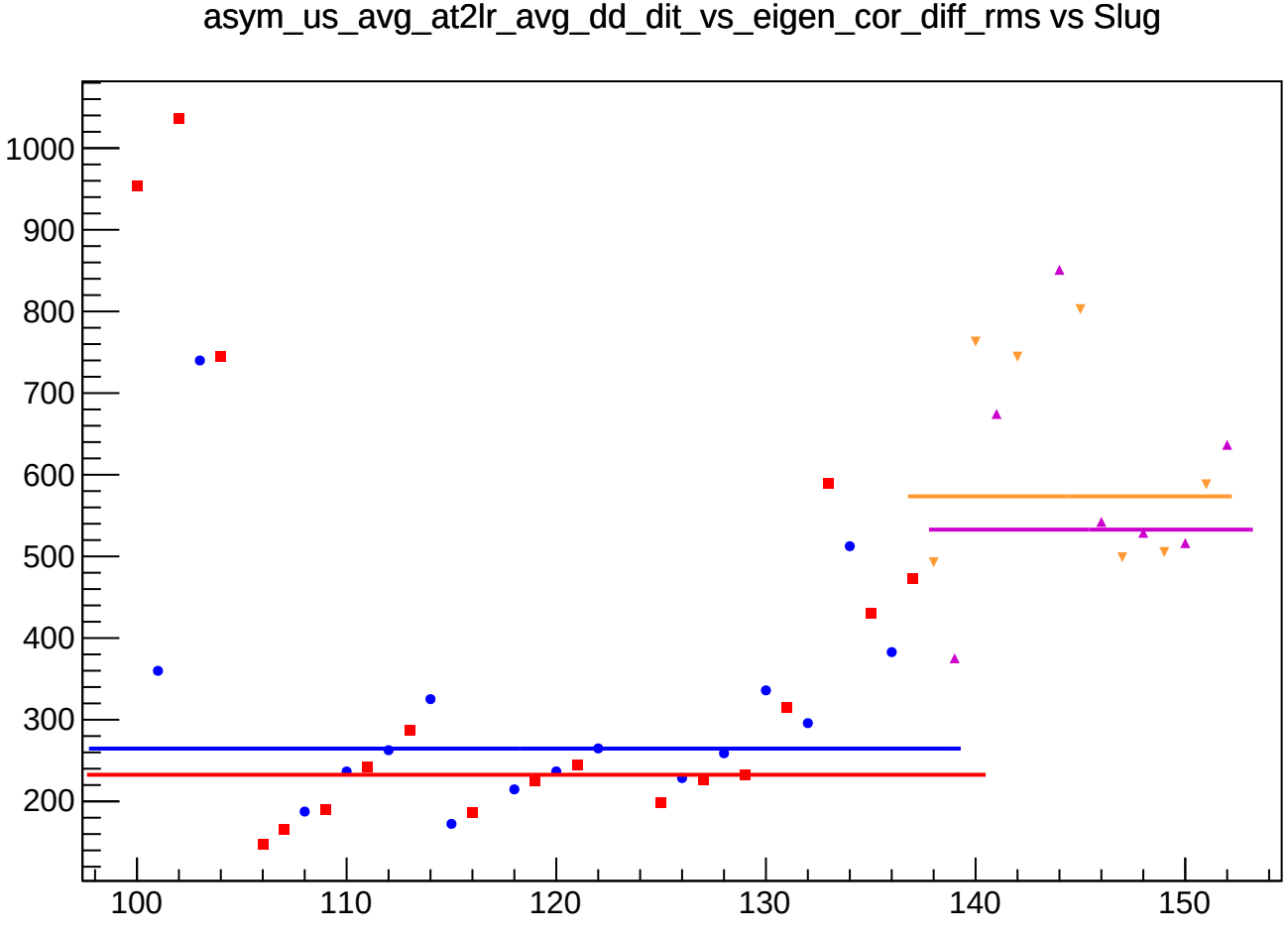
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.257+/-0.224 χ^2/NDF:9.3/6

+ sign 0.028+/-0.097 χ^2/NDF: 20.9/22

All: 0.030+/-0.066 χ^2/NDF: 54.0/47

- sign 0.031+/-0.089 χ^2/NDF: 33.1/24



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 573.548+/-0.180 χ^2/NDF:383255.6/6

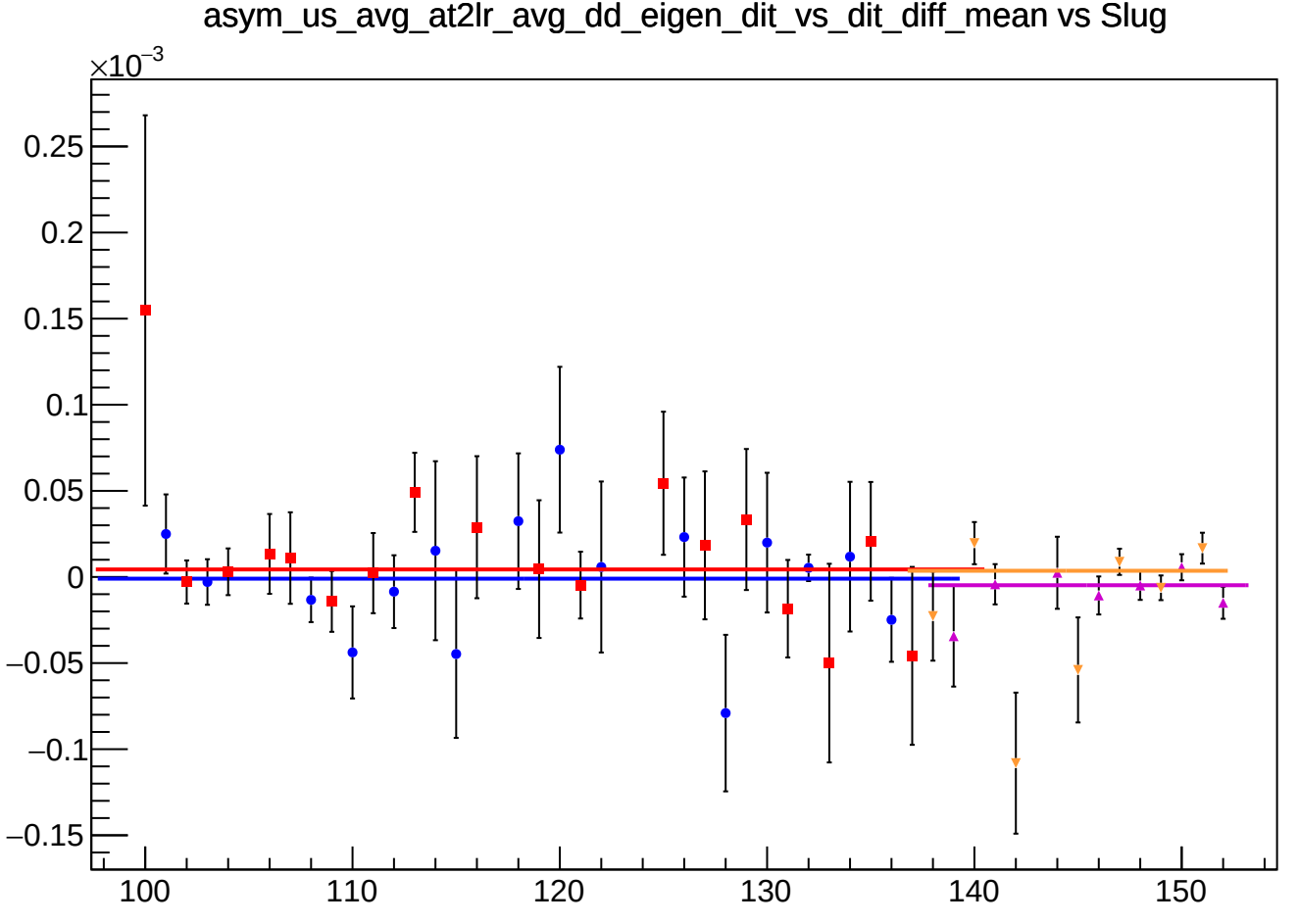
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 532.807+/-0.158 χ^2/NDF:642159.7/6

+ sign 309.706+/-0.069 χ^2/NDF: 4187153.9/22

All: 293.768+/-0.046 χ^2/NDF: 9984581.8/47

- sign 280.301+/-0.063 χ^2/NDF: 5698046.8/24



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/6

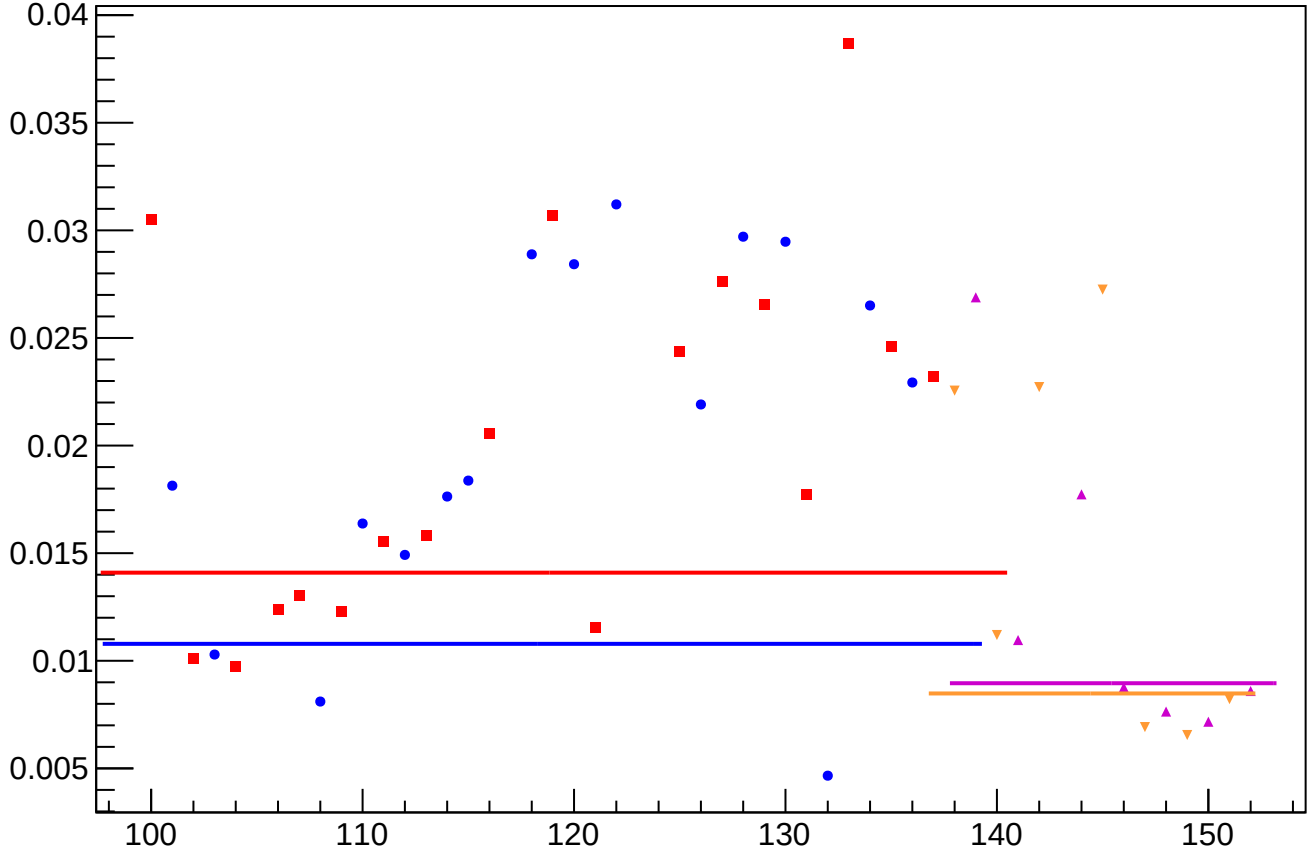
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:4.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 33.2/22

All: 0.000+/-0.000 χ^2/NDF: 52.6/47

- sign -0.000+/-0.000 χ^2/NDF: 18.8/24



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:1918578.4/6

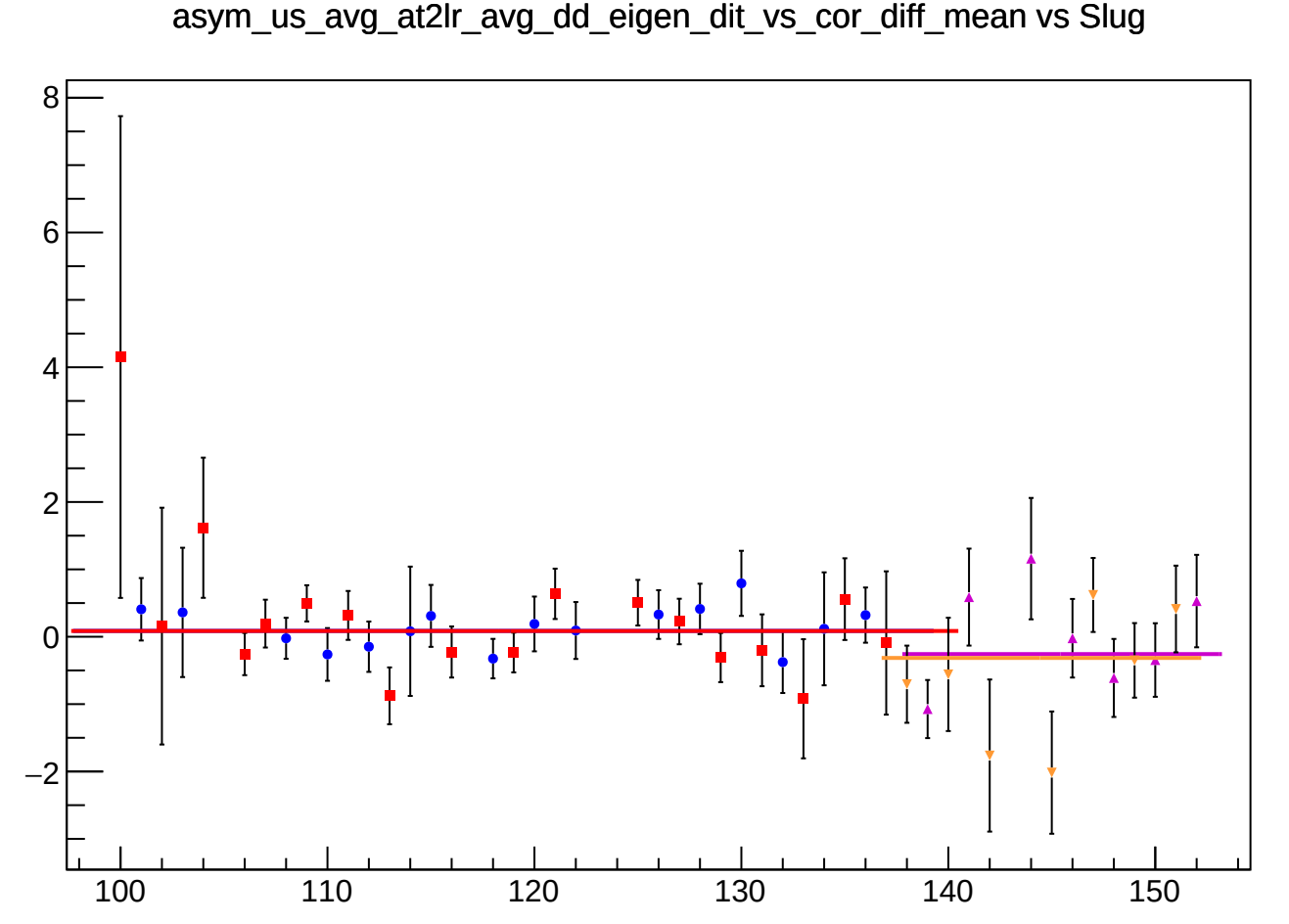
Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.009+/-0.000 χ^2/NDF:1326602.3/6

+ sign 0.009+/-0.000 χ^2/NDF: 6754356.3/22

All: 0.010+/-0.000 χ^2/NDF: 11389229.0/47

- sign 0.011+/-0.000 χ^2/NDF: 4490937.8/24


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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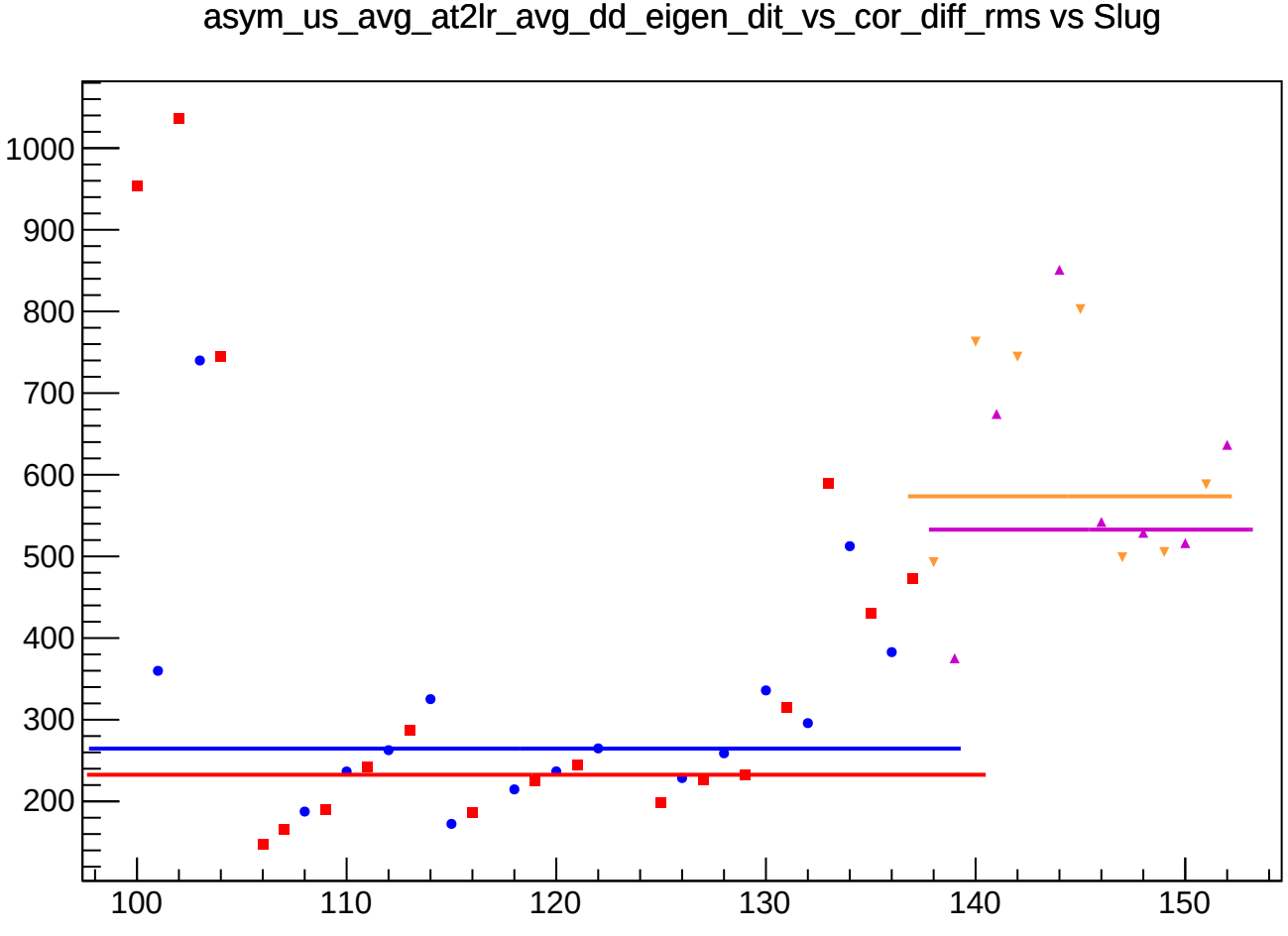
100
110
120
130
140
150
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.315+/-0.254 χ²/NDF:9.9/6
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.257+/-0.224 χ²/NDF:9.3/6
+ sign 0.028+/-0.097 χ²/NDF: 20.9/22
All: 0.030+/-0.066 χ²/NDF: 54.0/47
- sign 0.031+/-0.089 χ²/NDF: 33.1/24



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 573.553+/-0.180 χ^2/NDF:383258.8/6

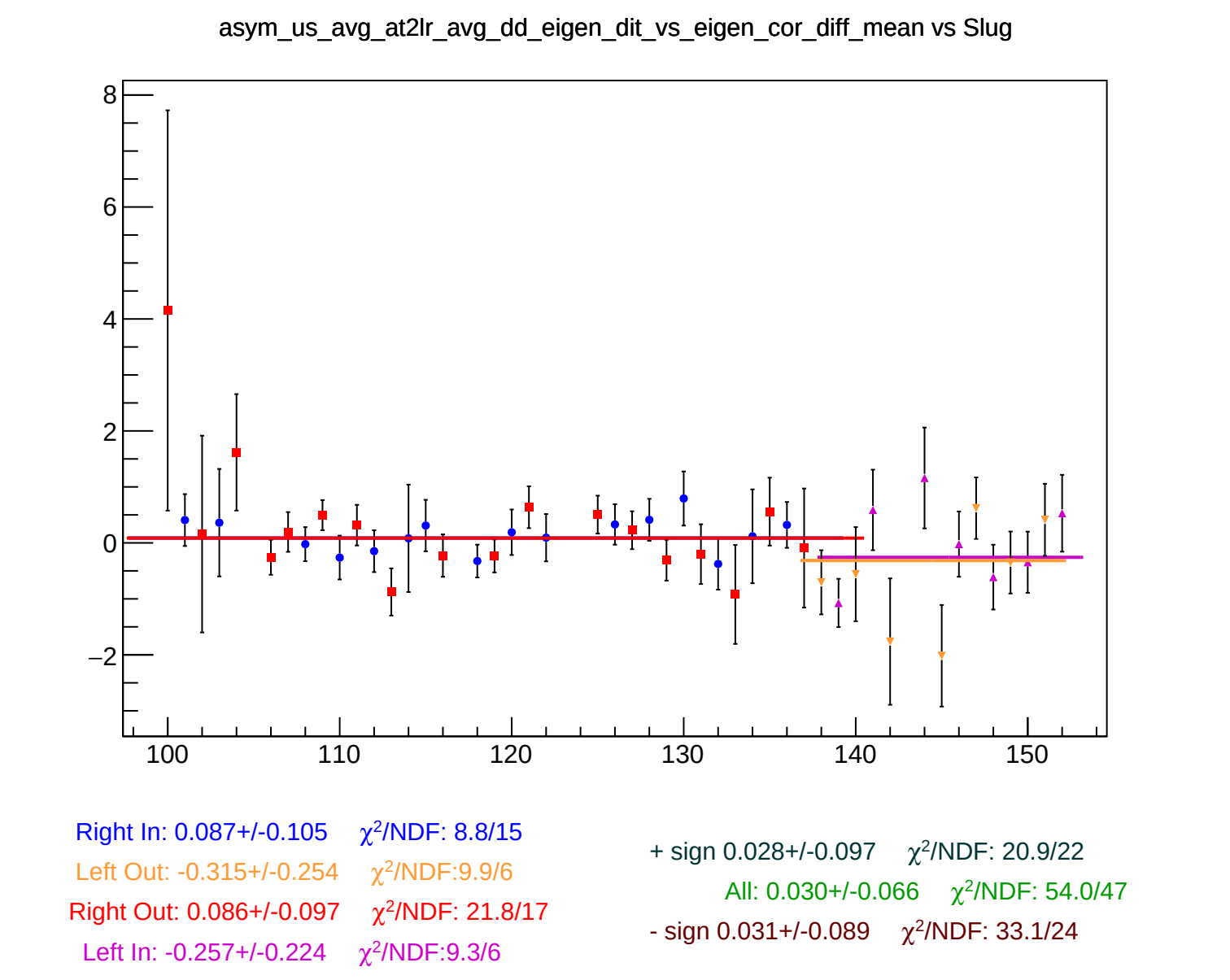
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 532.815+/-0.158 χ^2/NDF:642133.0/6

+ sign 309.706+/-0.069 χ^2/NDF: 4187181.4/22

All: 293.768+/-0.046 χ^2/NDF: 9984637.2/47

- sign 280.302+/-0.063 χ^2/NDF: 5698082.3/24


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
8
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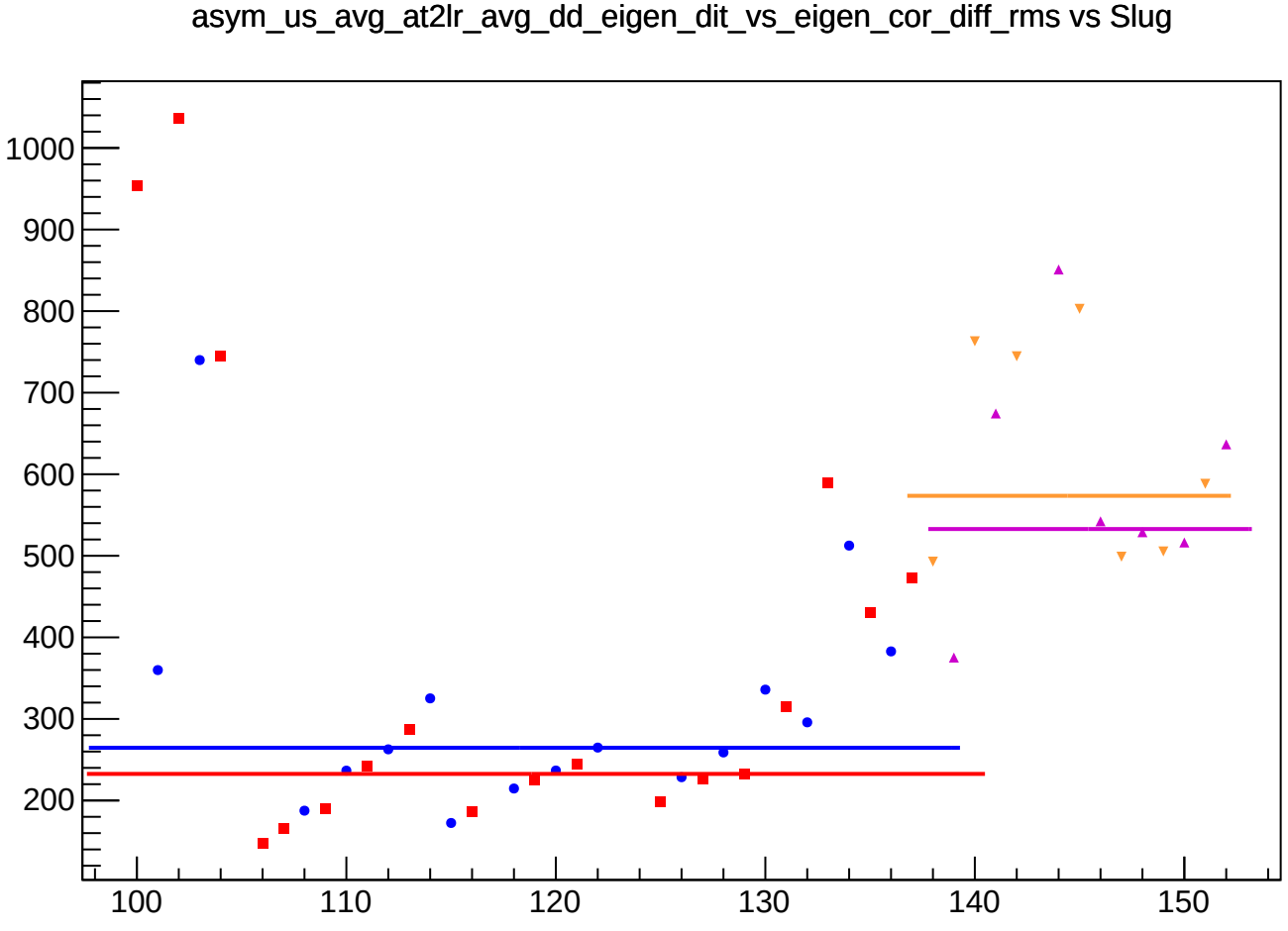
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.315+/-0.254 χ²/NDF:9.9/6
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.257+/-0.224 χ²/NDF:9.3/6
+ sign 0.028+/-0.097 χ²/NDF: 20.9/22
All: 0.030+/-0.066 χ²/NDF: 54.0/47
- sign 0.031+/-0.089 χ²/NDF: 33.1/24



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 573.553+/-0.180 χ^2/NDF:383258.8/6

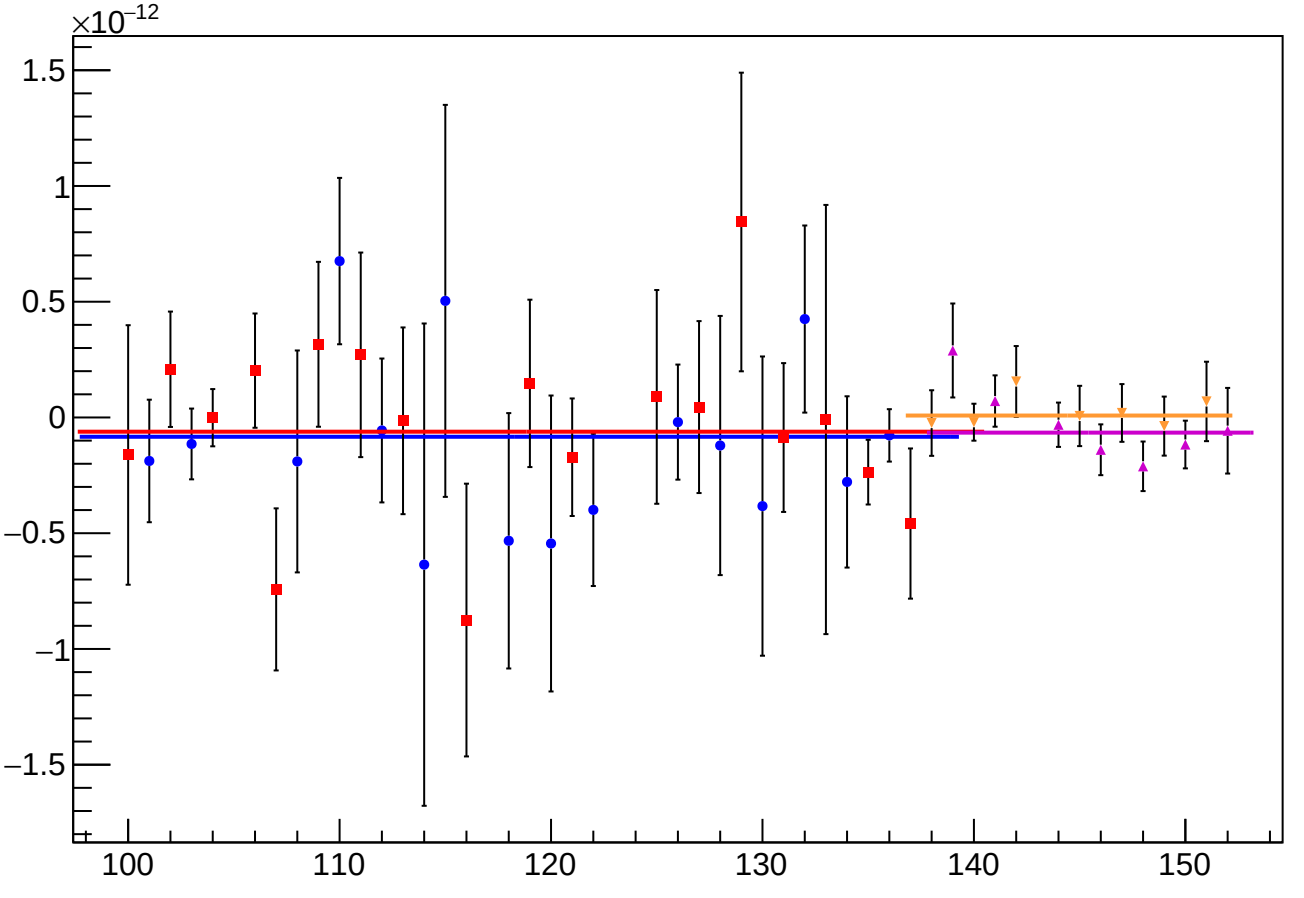
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 532.815+/-0.158 χ^2/NDF:642133.0/6

+ sign 309.706+/-0.069 χ^2/NDF: 4187181.4/22

All: 293.768+/-0.046 χ^2/NDF: 9984637.2/47

- sign 280.302+/-0.063 χ^2/NDF: 5698082.3/24



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/6

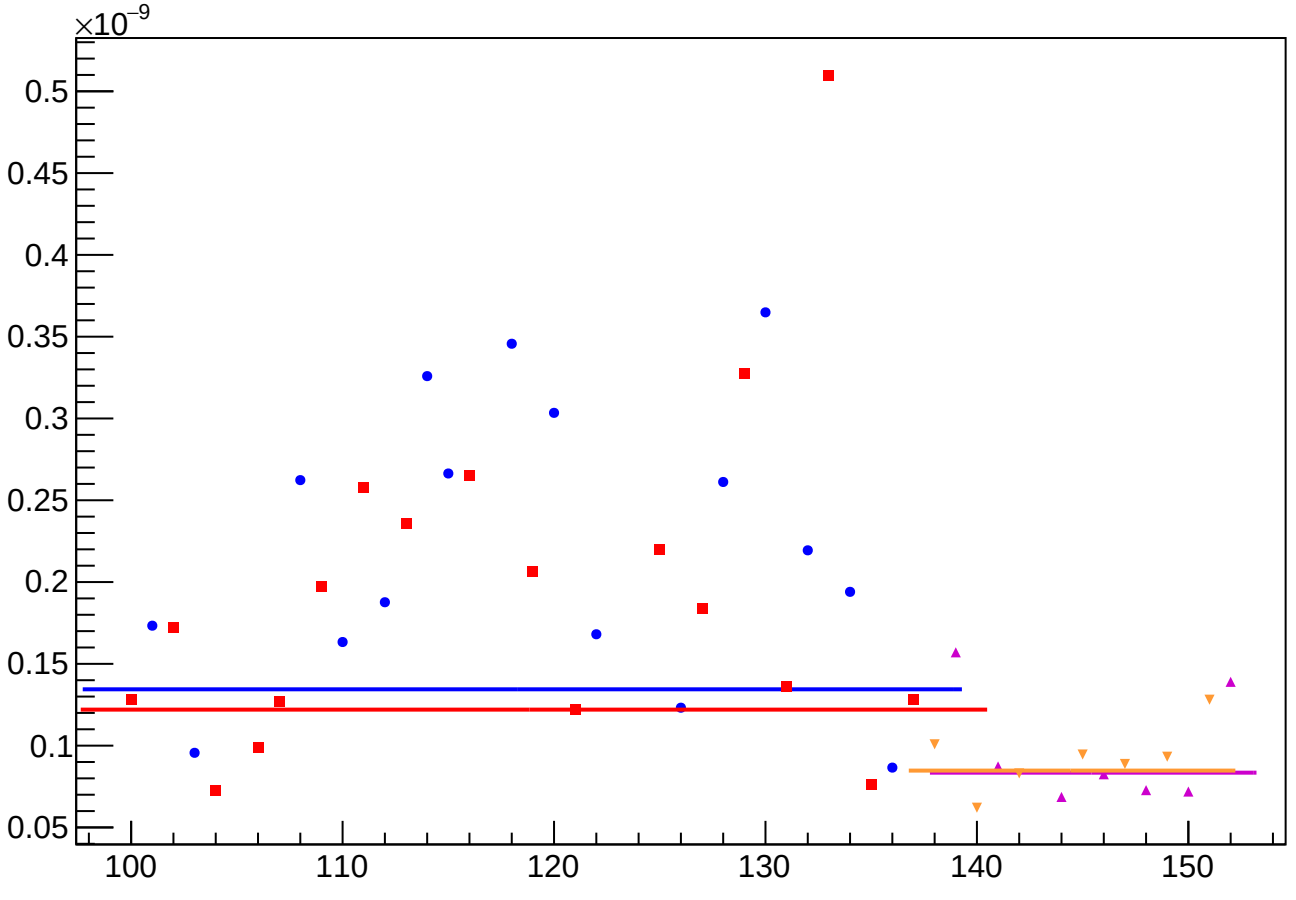
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:7.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 12.3/22

All: -0.000+/-0.000 χ^2/NDF: 36.0/47

- sign -0.000+/-0.000 χ^2/NDF: 23.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:337553.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

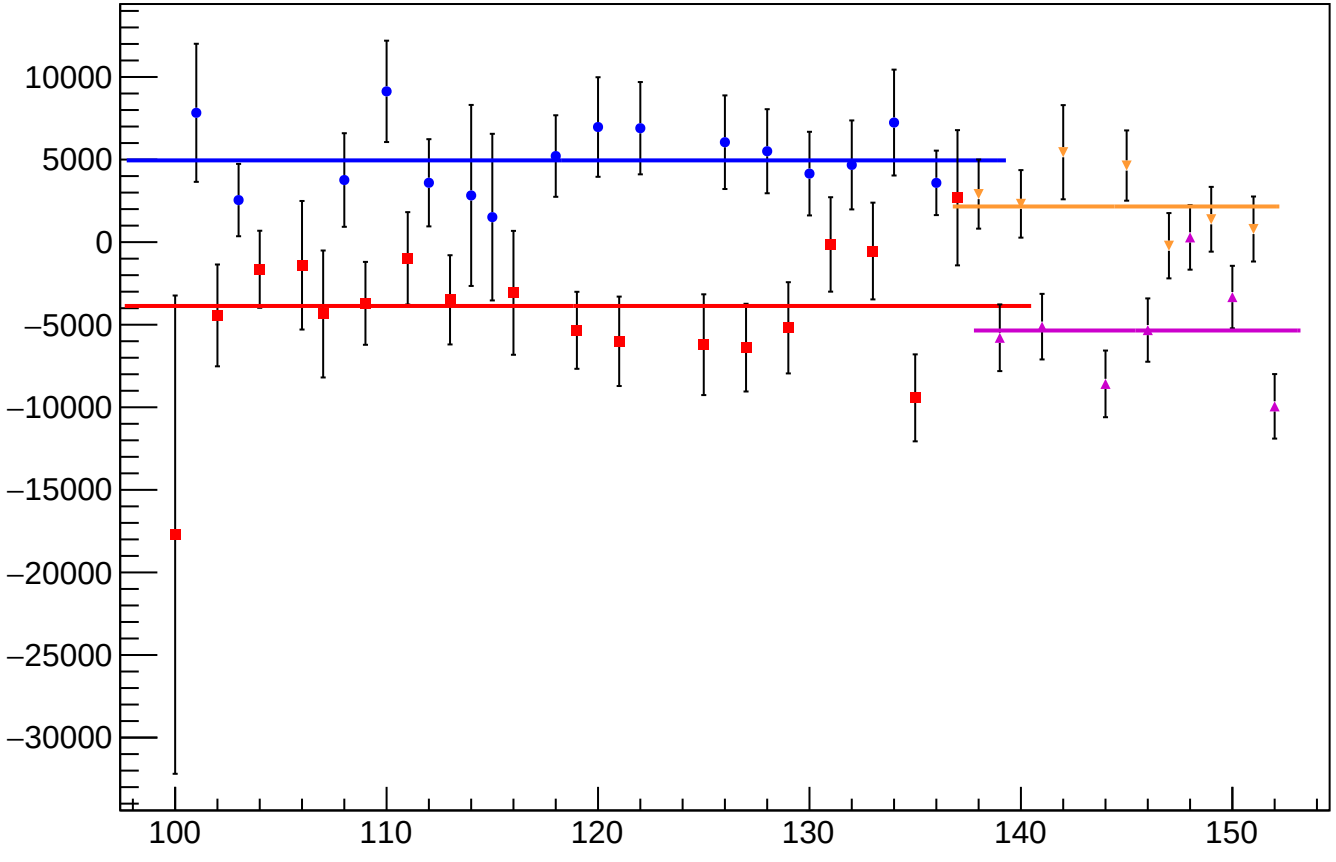
Left In: 0.000+/-0.000 χ^2/NDF:538653.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 2868531.6/22

All: 0.000+/-0.000 χ^2/NDF: 5908357.9/47

- sign 0.000+/-0.000 χ^2/NDF: 3026769.7/24

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2158.878+/-794.187 χ^2/NDF:4.9/6

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

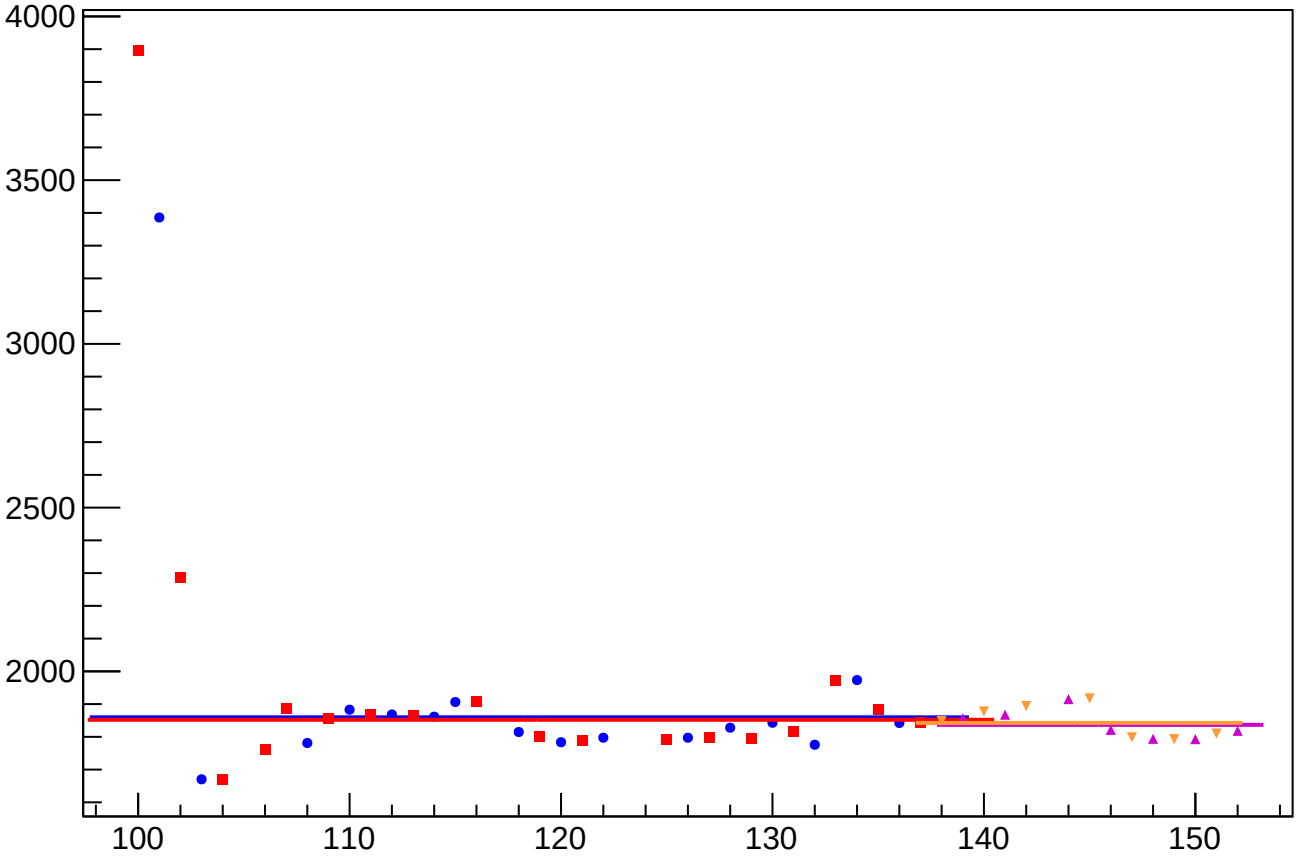
Left In: -5350.169+/-741.470 χ^2/NDF:17.6/6

+ sign 3731.951+/-524.684 χ^2/NDF: 18.7/22

All: -553.310+/-364.734 χ^2/NDF: 183.7/47

- sign -4560.496+/-507.375 χ^2/NDF: 35.9/24

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1842.517+/-0.562 χ^2/NDF:6551.2/6

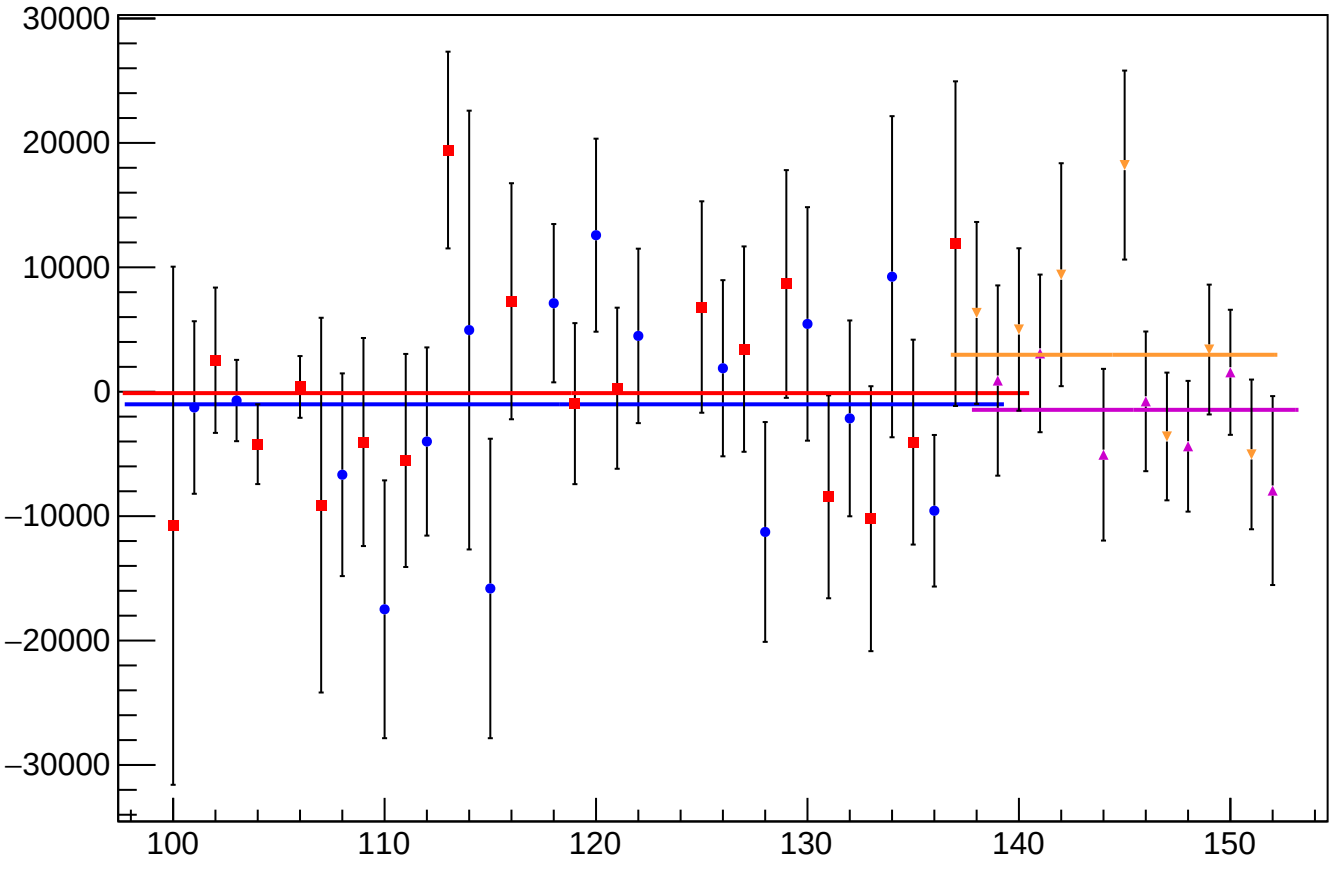
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1836.560+/-0.524 χ^2/NDF:6045.7/6

+ sign 1852.093+/-0.371 χ^2/NDF: 299401.8/22

All: 1848.333+/-0.258 χ^2/NDF: 408324.9/47

- sign 1844.828+/-0.358 χ^2/NDF: 108724.7/24



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 2971.166+/-2395.548 χ^2/NDF:8.3/6

Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

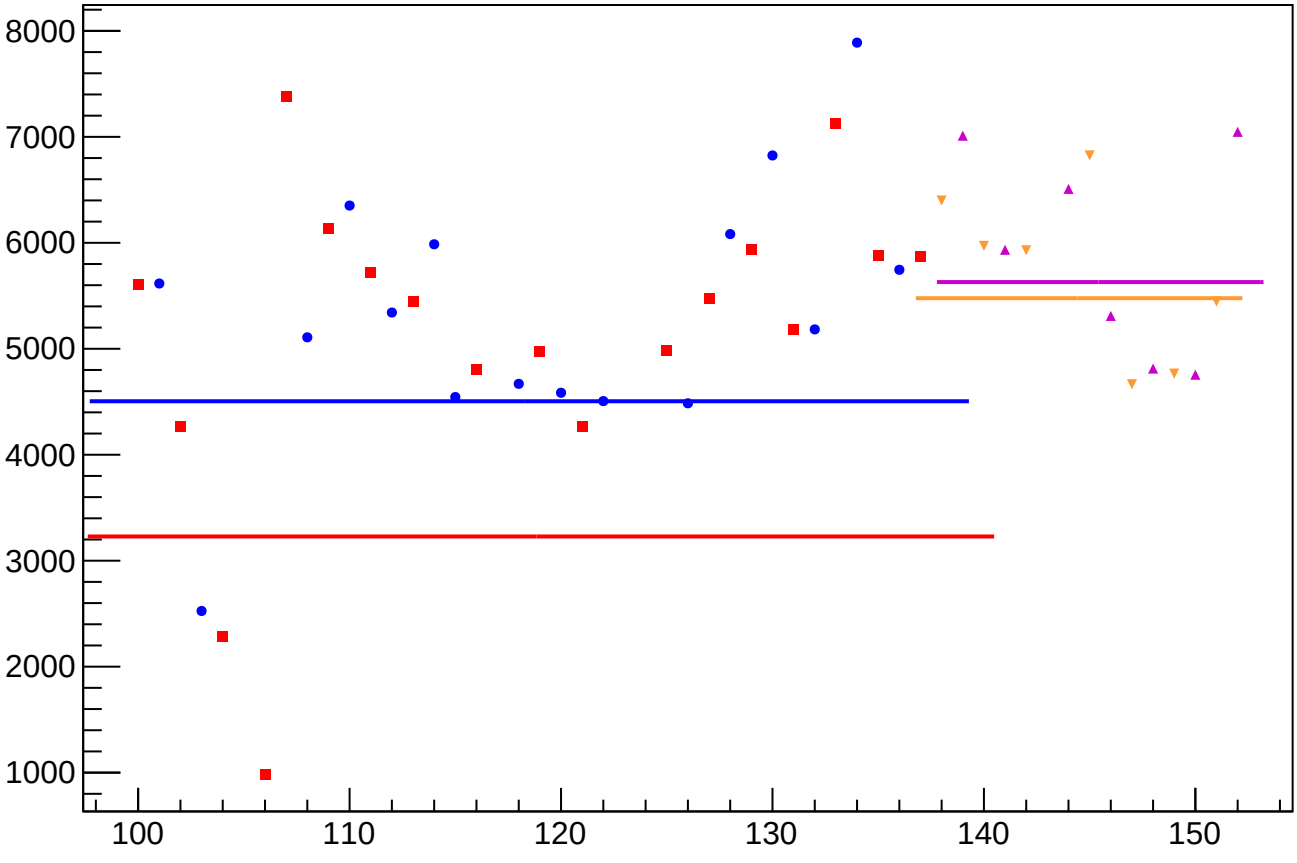
Left In: -1454.748+/-2307.006 χ^2/NDF:2.3/6

+ sign 389.739+/-1420.535 χ^2/NDF: 24.8/22

All: -114.820+/-925.807 χ^2/NDF: 42.2/47

- sign -487.379+/-1220.657 χ^2/NDF: 17.2/24

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5477.216+/-1.694 χ^2/NDF:198625.8/6

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

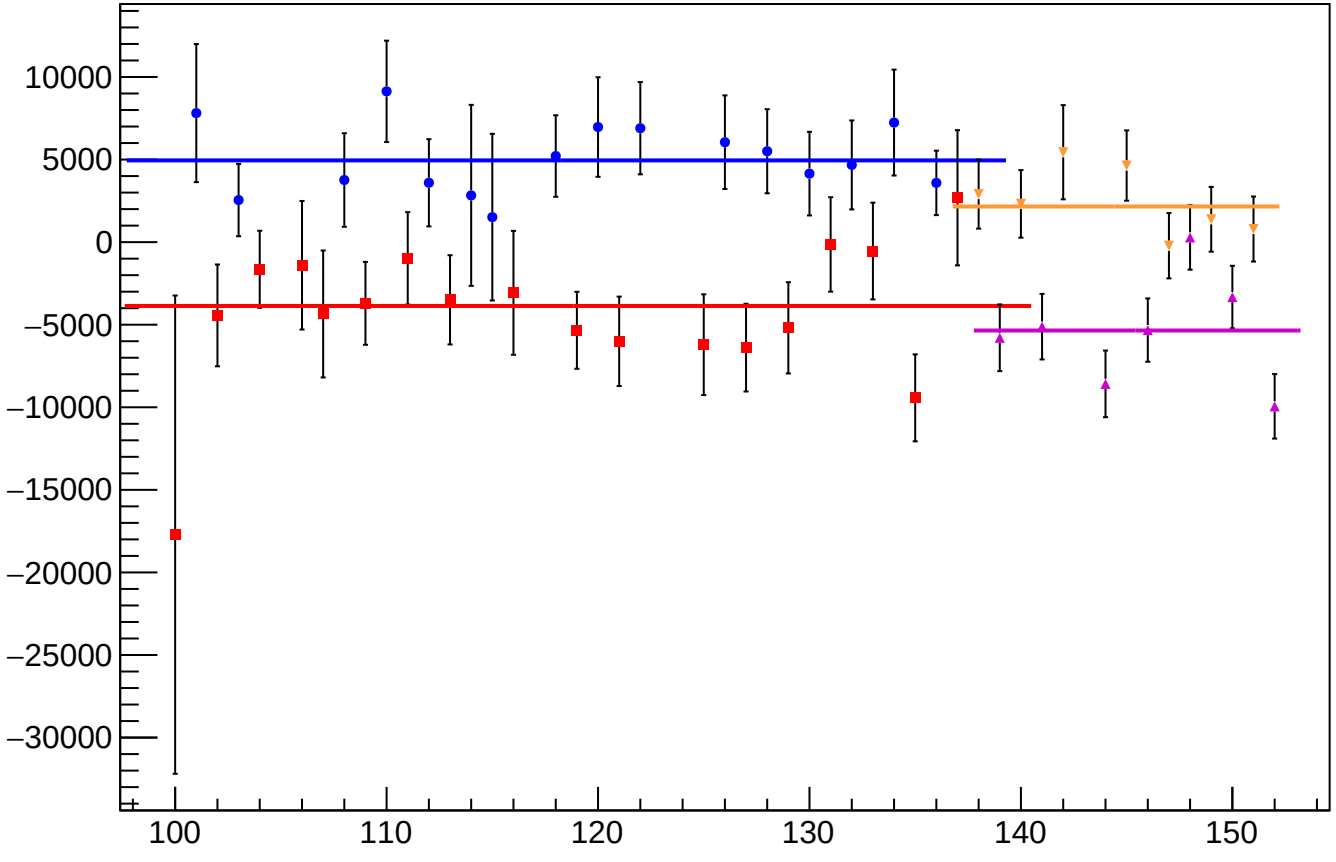
Left In: 5629.491+/-1.631 χ^2/NDF:287394.7/6

+ sign 4846.730+/-1.004 χ^2/NDF: 1733405.6/22

All: 4302.557+/-0.655 χ^2/NDF: 8047079.1/47

- sign 3900.748+/-0.863 χ^2/NDF: 5803468.1/24

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2158.722+/-794.187 χ^2/NDF:4.9/6

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

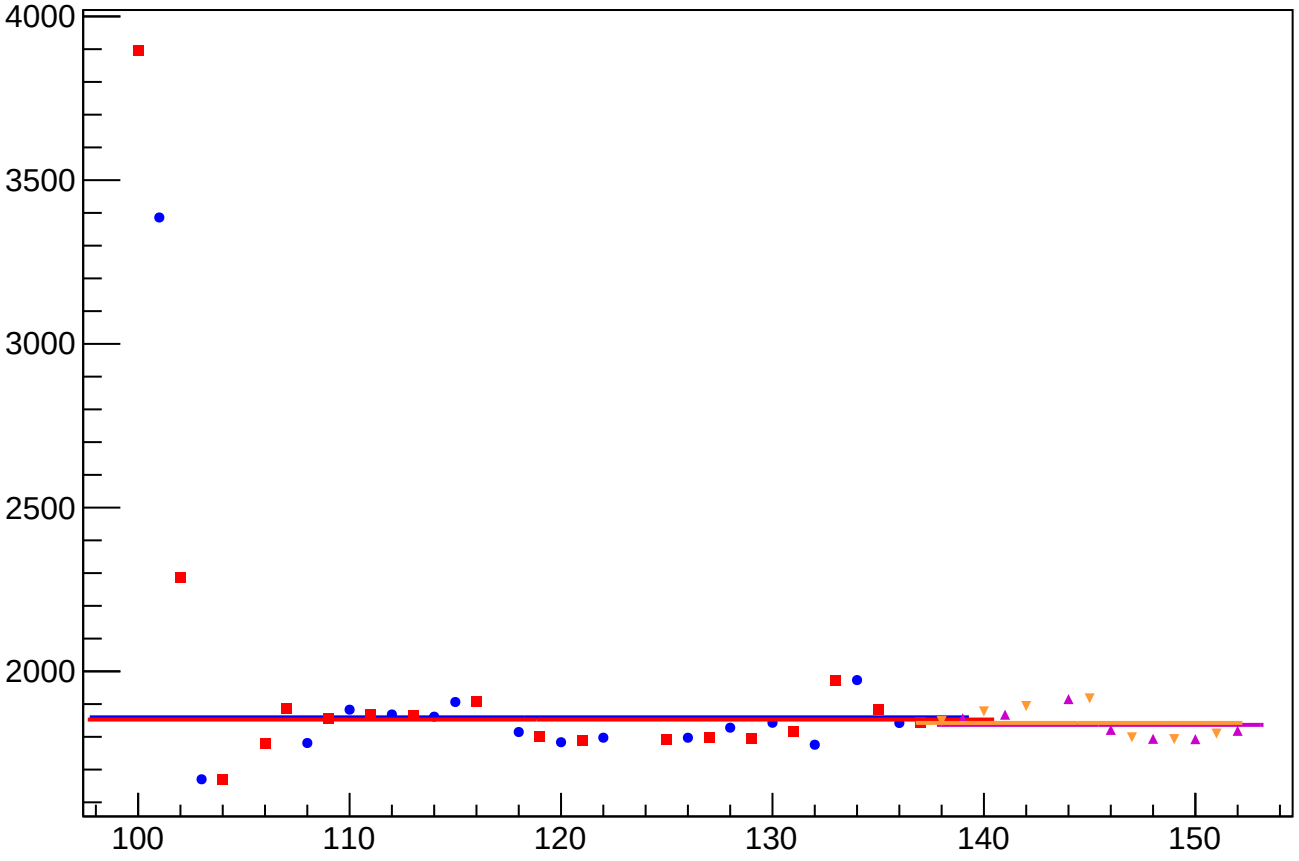
Left In: -5350.460+/-741.470 χ^2/NDF:17.6/6

+ sign 3731.611+/-524.684 χ^2/NDF: 18.7/22

All: -553.487+/-364.734 χ^2/NDF: 183.7/47

- sign -4560.519+/-507.375 χ^2/NDF: 35.9/24

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1842.517+/-0.562 χ^2/NDF:6551.2/6

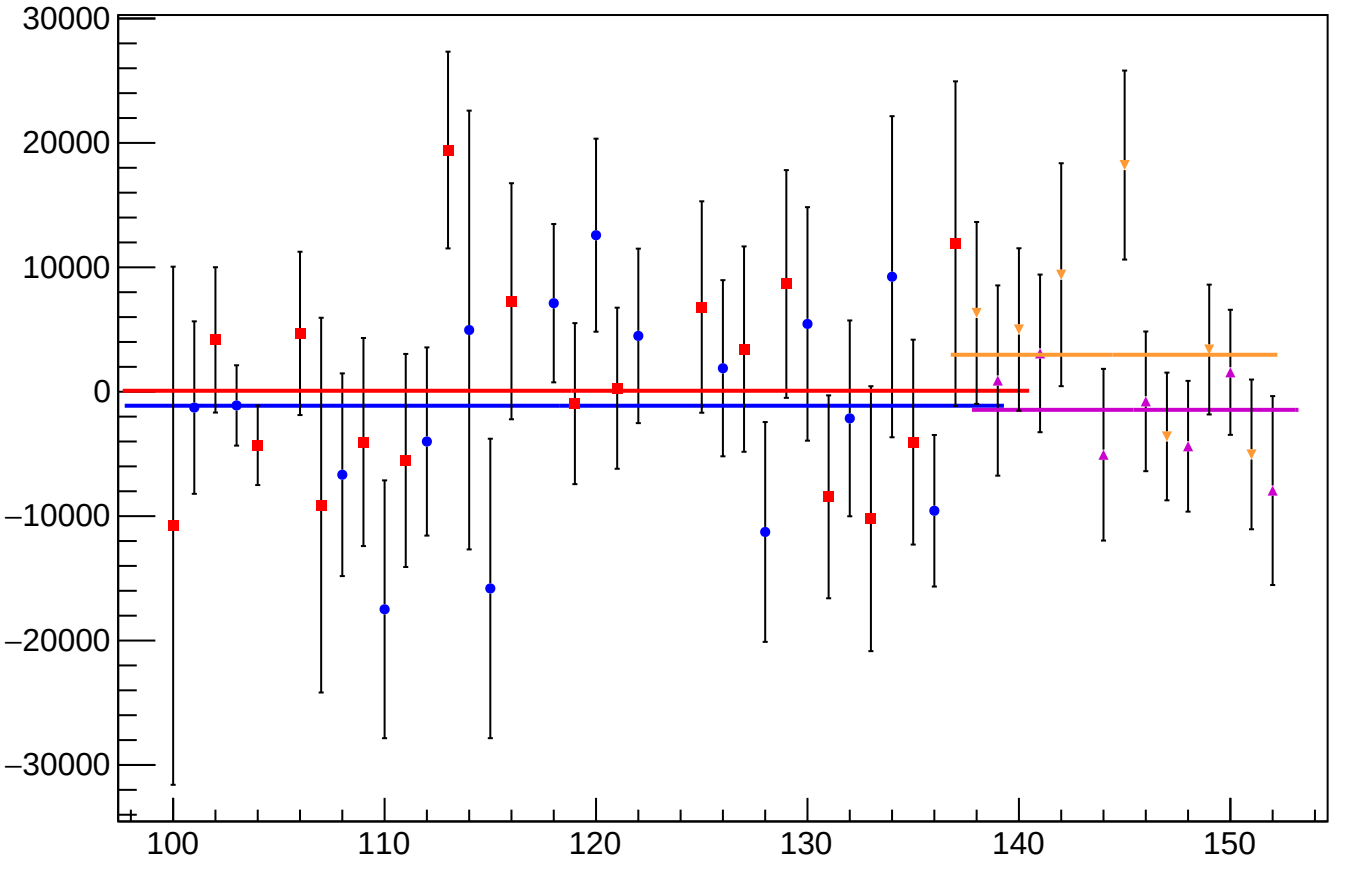
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1836.560+/-0.524 χ^2/NDF:6045.7/6

+ sign 1852.093+/-0.371 χ^2/NDF: 299403.6/22

All: 1848.527+/-0.258 χ^2/NDF: 407888.1/47

- sign 1845.202+/-0.358 χ^2/NDF: 108305.9/24



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 2971.033+/-2395.544 χ^2/NDF:8.3/6

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

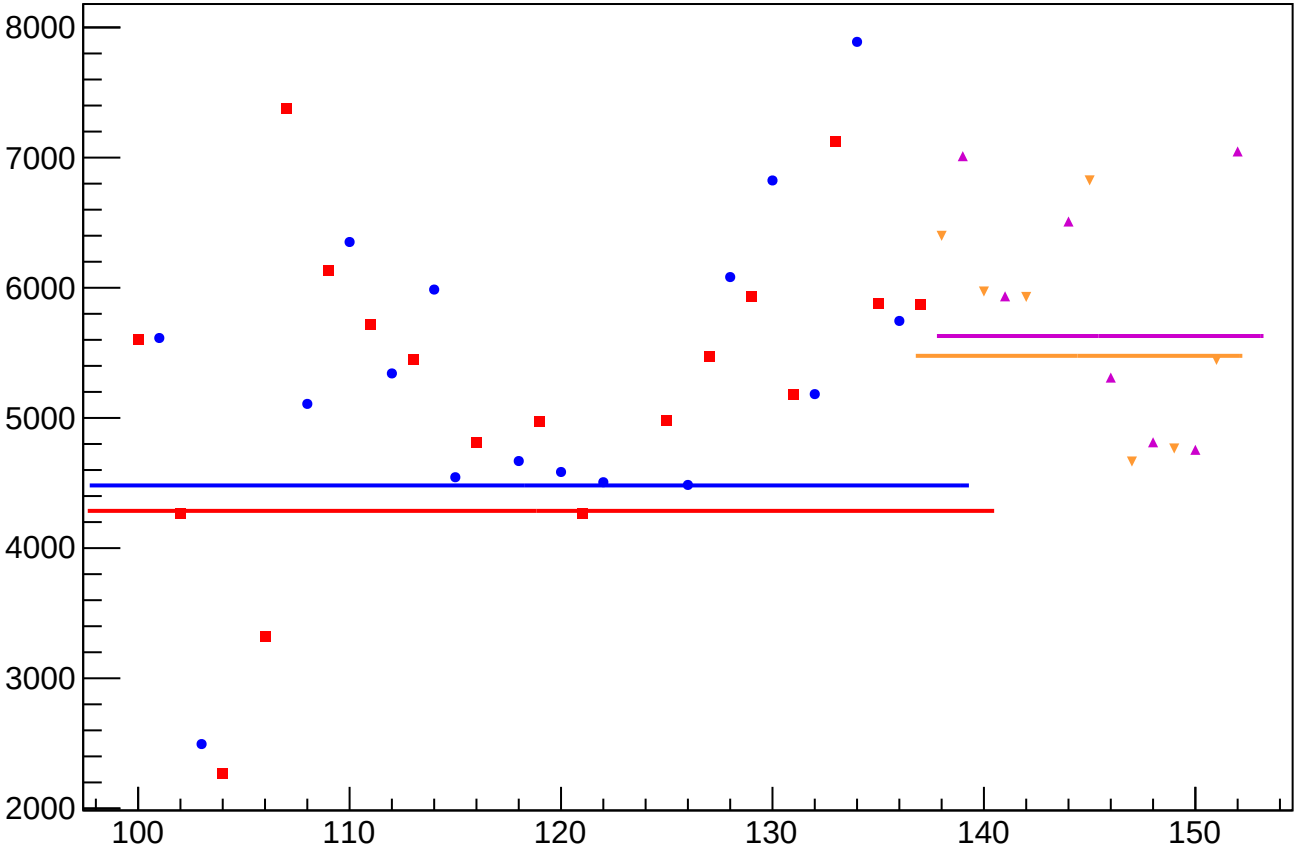
Left In: -1454.905+/-2307.006 χ^2/NDF:2.3/6

+ sign 308.272+/-1417.237 χ^2/NDF: 24.9/22

All: -90.103+/-984.953 χ^2/NDF: 43.2/47

- sign -462.278+/-1369.840 χ^2/NDF: 18.1/24

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5477.207+/-1.694 χ^2/NDF:198625.7/6

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

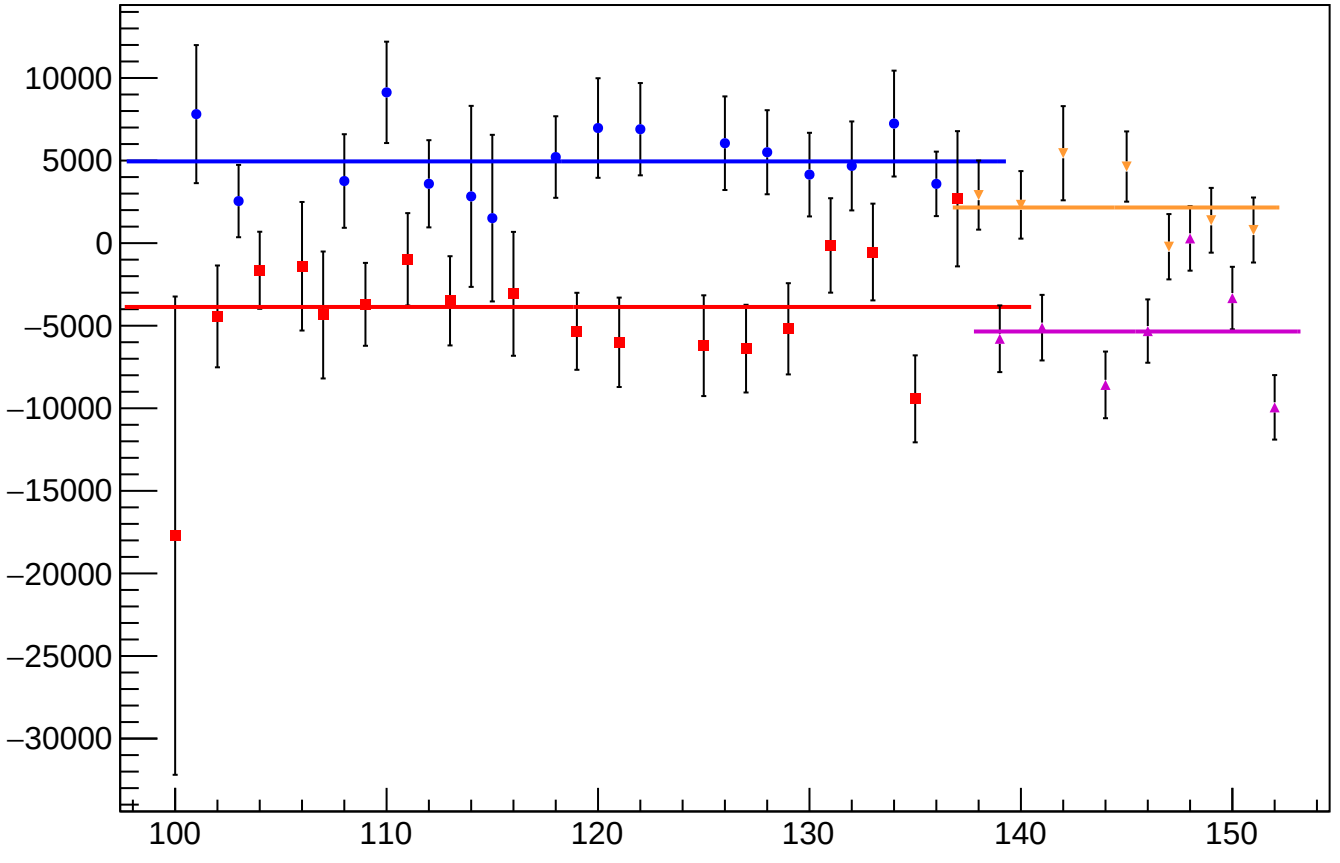
Left In: 5629.490+/-1.631 χ^2/NDF:287397.9/6

+ sign 4830.016+/-1.002 χ^2/NDF: 1785464.0/22

All: 4793.690+/-0.696 χ^2/NDF: 4064307.1/47

- sign 4759.752+/-0.969 χ^2/NDF: 2276301.6/24

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: 2158.722+/-794.187 χ^2/NDF:4.9/6

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

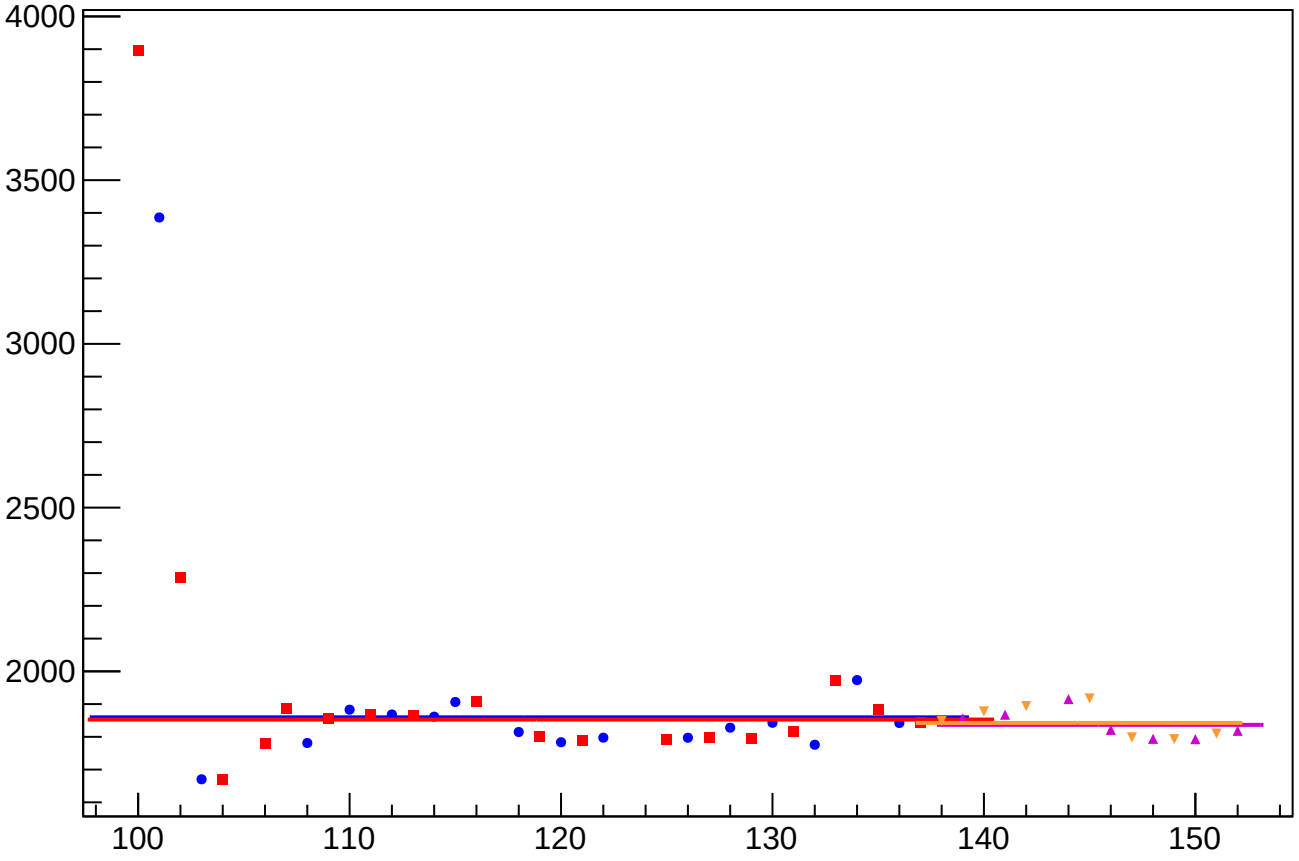
Left In: -5350.460+/-741.470 χ^2/NDF:17.6/6

+ sign 3731.611+/-524.684 χ^2/NDF: 18.7/22

All: -553.487+/-364.734 χ^2/NDF: 183.7/47

- sign -4560.519+/-507.375 χ^2/NDF: 35.9/24

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: 1842.517+/-0.562 χ^2/NDF:6551.2/6

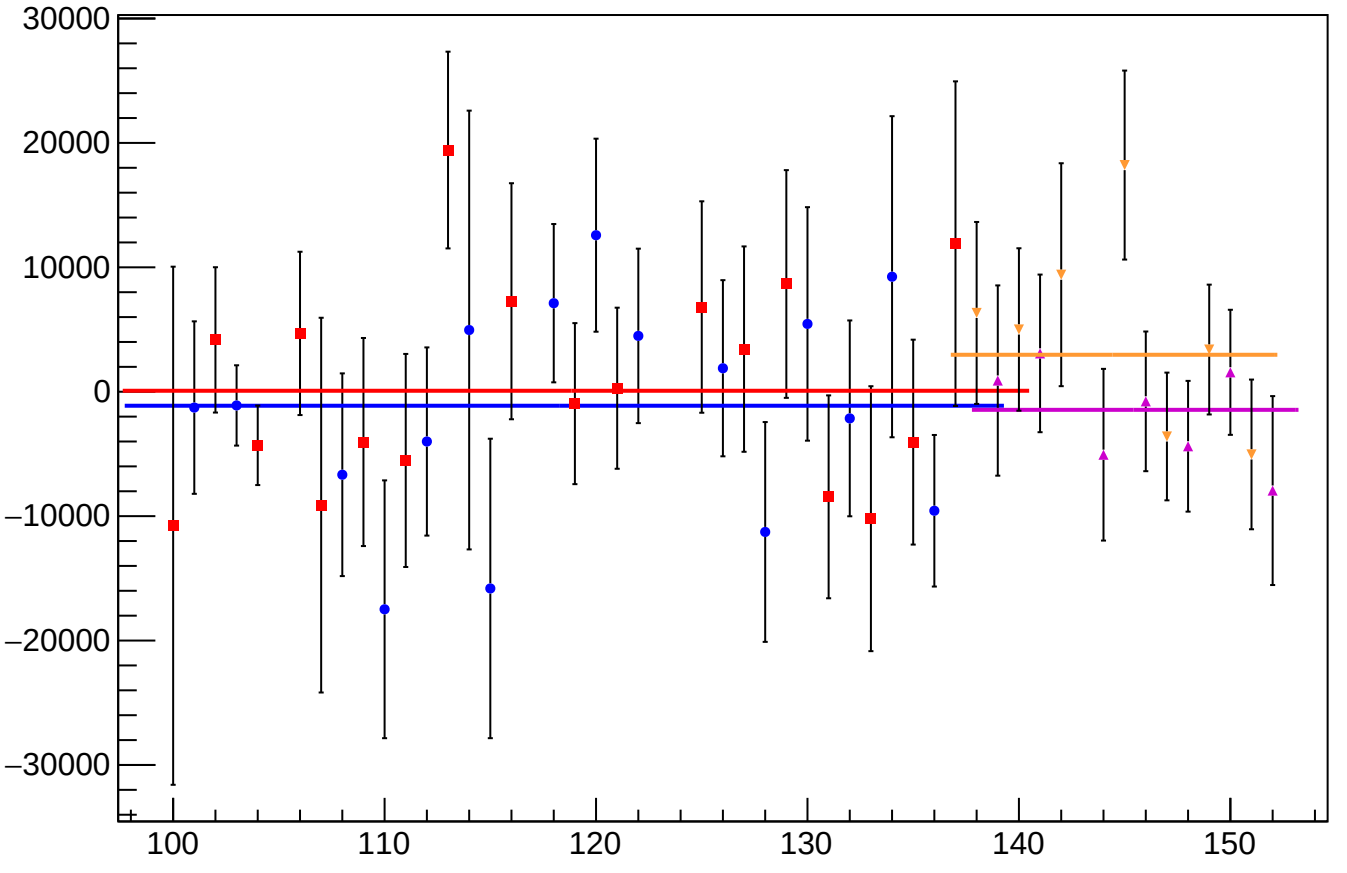
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1836.560+/-0.524 χ^2/NDF:6045.7/6

+ sign 1852.093+/-0.371 χ^2/NDF: 299403.6/22

All: 1848.527+/-0.258 χ^2/NDF: 407888.1/47

- sign 1845.202+/-0.358 χ^2/NDF: 108305.9/24



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 2971.033+/-2395.544 χ^2/NDF:8.3/6

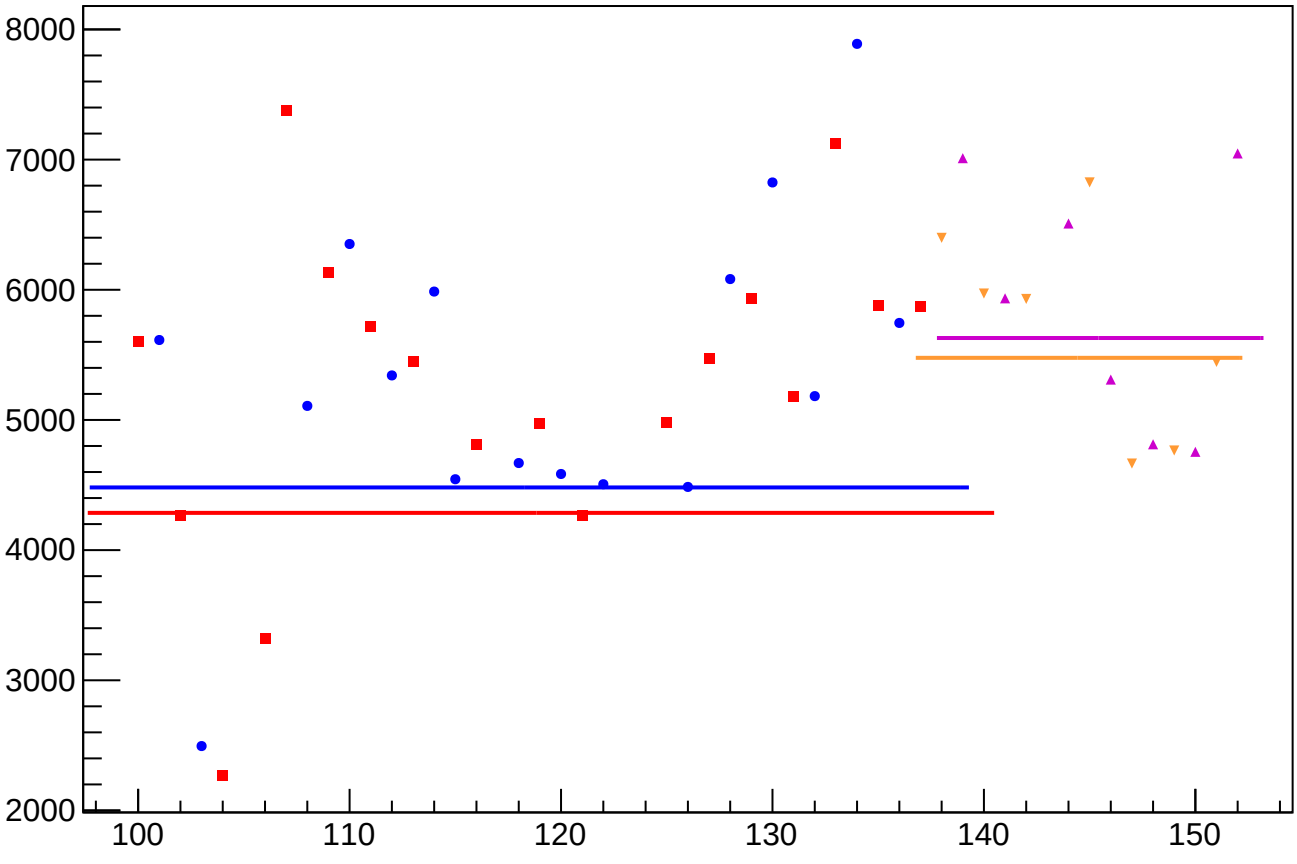
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -1454.905+/-2307.006 χ^2/NDF:2.3/6

\+ sign 308.272+/-1417.237 χ^2/NDF: 24.9/22

All: -90.103+/-984.953 χ^2/NDF: 43.2/47

\- sign -462.278+/-1369.840 χ^2/NDF: 18.1/24



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5477.207+/-1.694 χ^2/NDF:198625.7/6

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

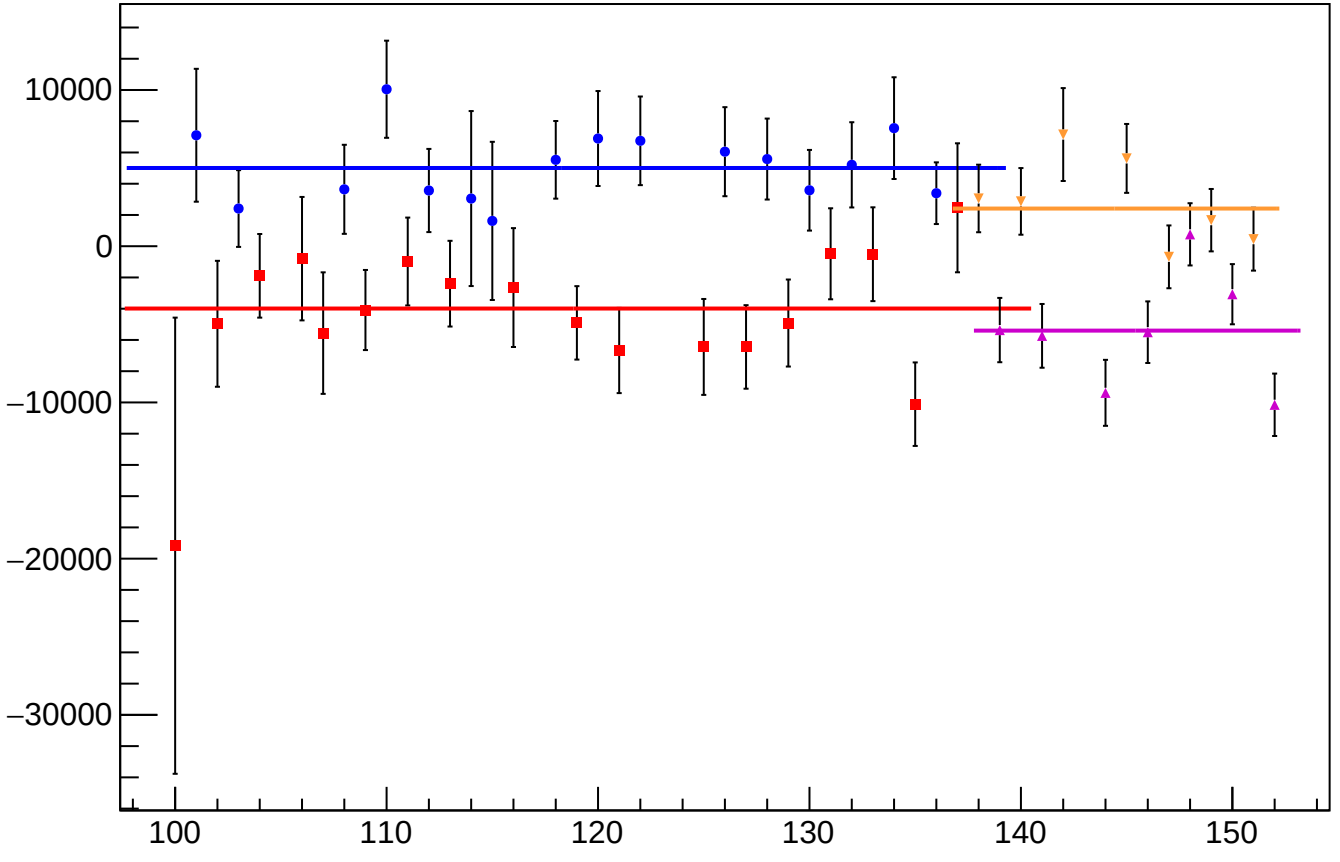
Left In: 5629.490+/-1.631 χ^2/NDF:287397.9/6

+ sign 4830.016+/-1.002 χ^2/NDF: 1785464.0/22

All: 4793.690+/-0.696 χ^2/NDF: 4064307.1/47

- sign 4759.752+/-0.969 χ^2/NDF: 2276301.6/24

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2410.947+/-817.291 χ^2/NDF:8.2/6

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

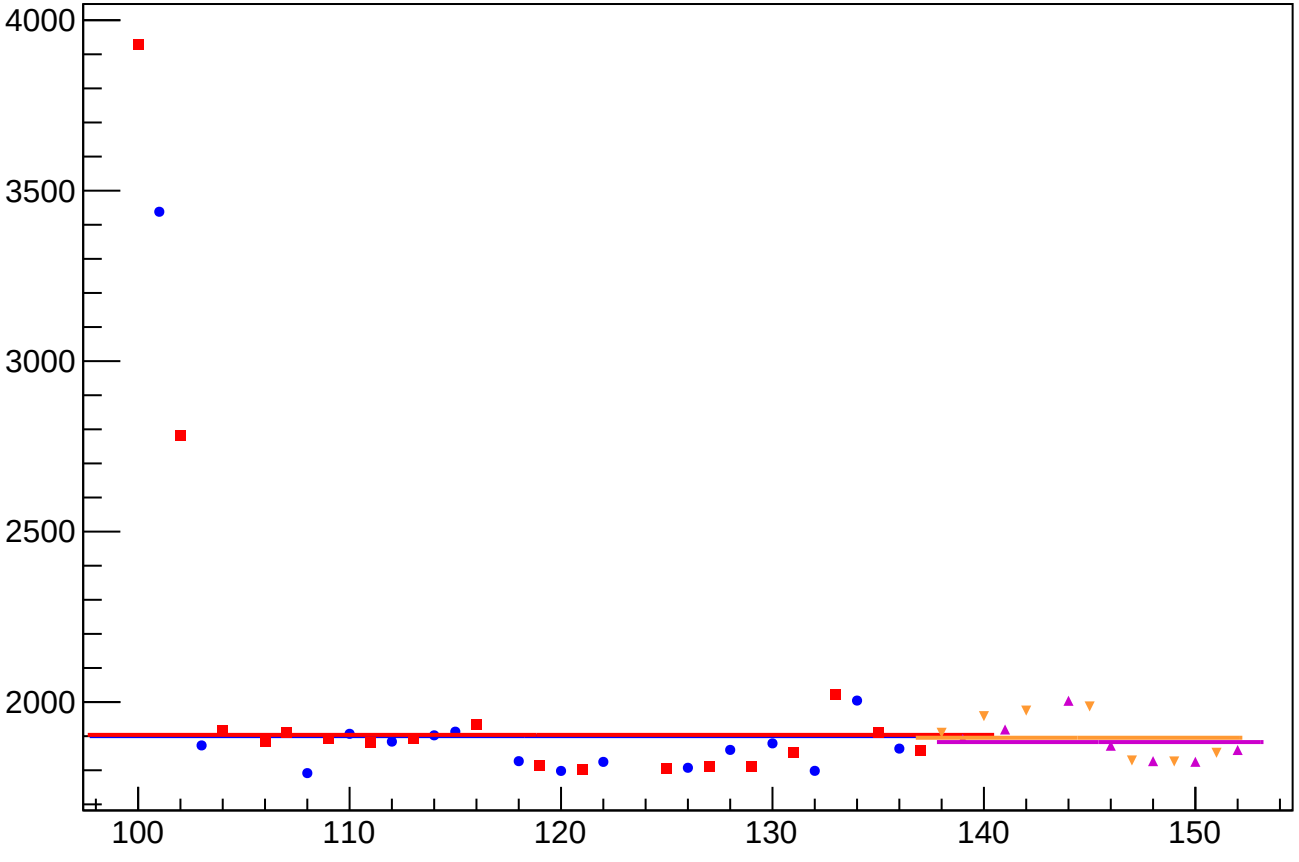
Left In: -5402.642+/-760.326 χ^2/NDF:20.3/6

+ sign 3883.362+/-537.734 χ^2/NDF: 21.6/22

All: -509.910+/-374.703 χ^2/NDF: 190.8/47

- sign -4656.487+/-522.418 χ^2/NDF: 39.5/24

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1895.406+/-0.578 χ^2/NDF:12334.8/6

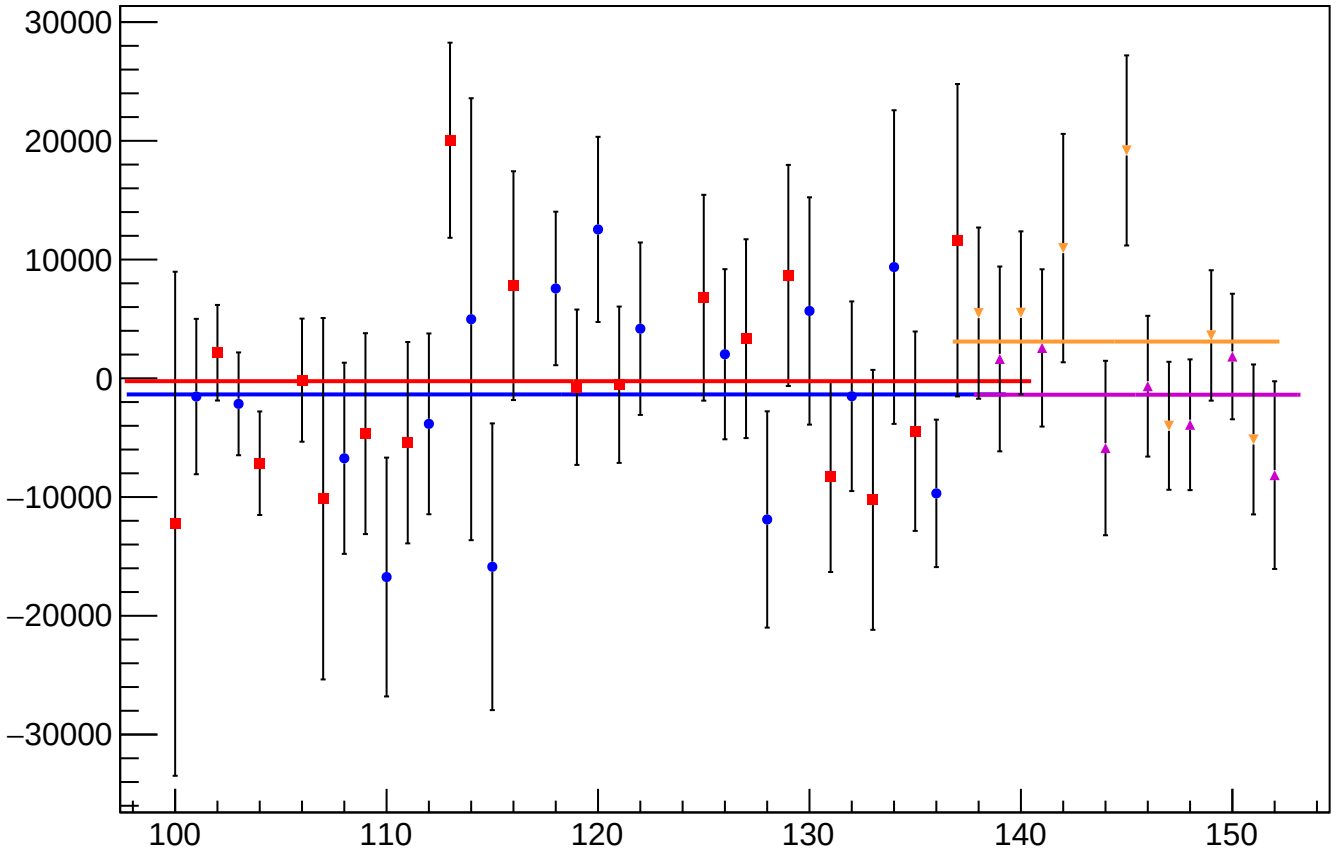
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1882.692+/-0.538 χ^2/NDF:10976.4/6

+ sign 1898.074+/-0.380 χ^2/NDF: 290820.6/22

All: 1895.905+/-0.265 χ^2/NDF: 452792.7/47

- sign 1893.861+/-0.369 χ^2/NDF: 161908.8/24



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 3094.041+/-2503.546 χ^2/NDF:8.4/6

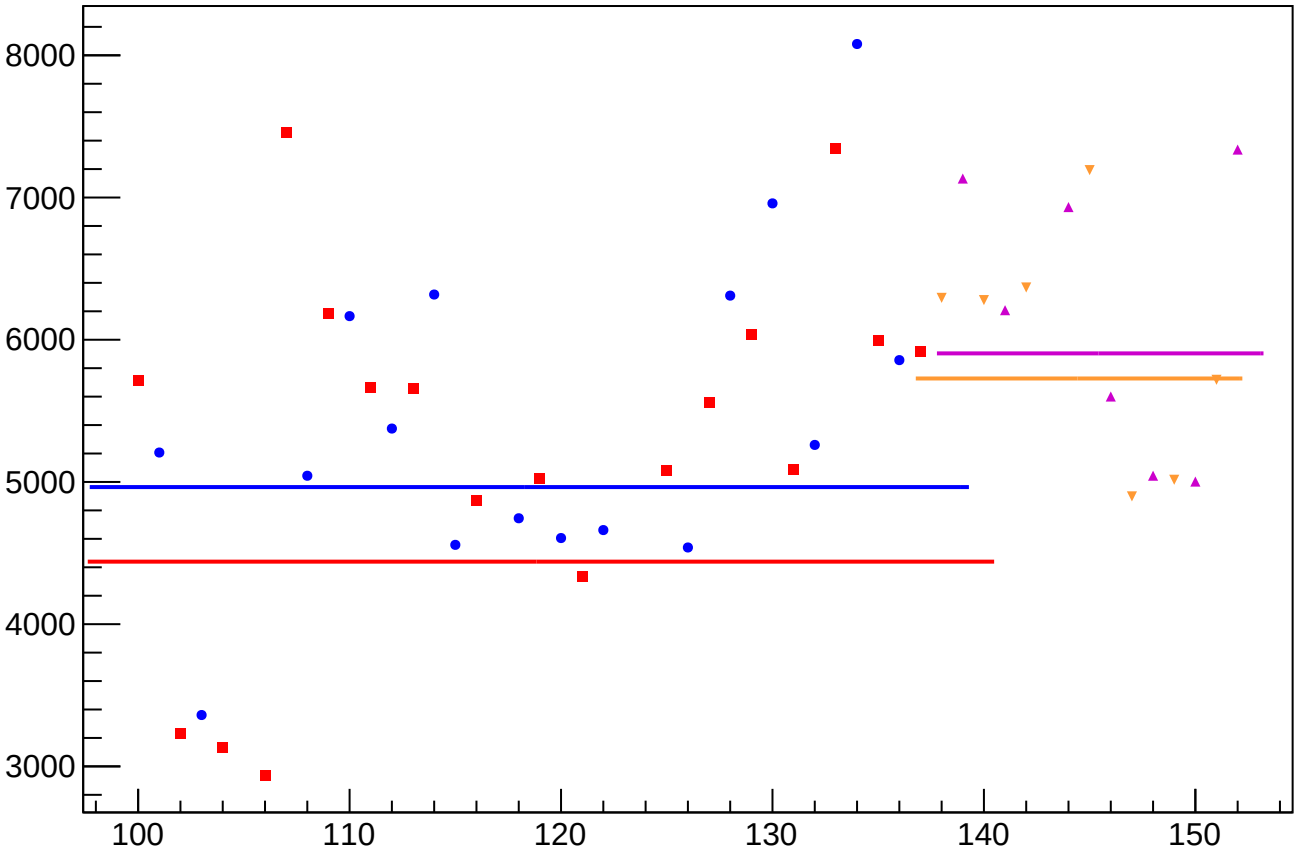
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -1381.706+/-2417.895 χ^2/NDF:2.2/6

+ sign 265.599+/-1511.464 χ^2/NDF: 25.1/22

All: -213.010+/-1026.143 χ^2/NDF: 43.4/47

- sign -622.218+/-1397.588 χ^2/NDF: 18.1/24



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 5727.556+/-1.770 χ^2/NDF:182080.3/6

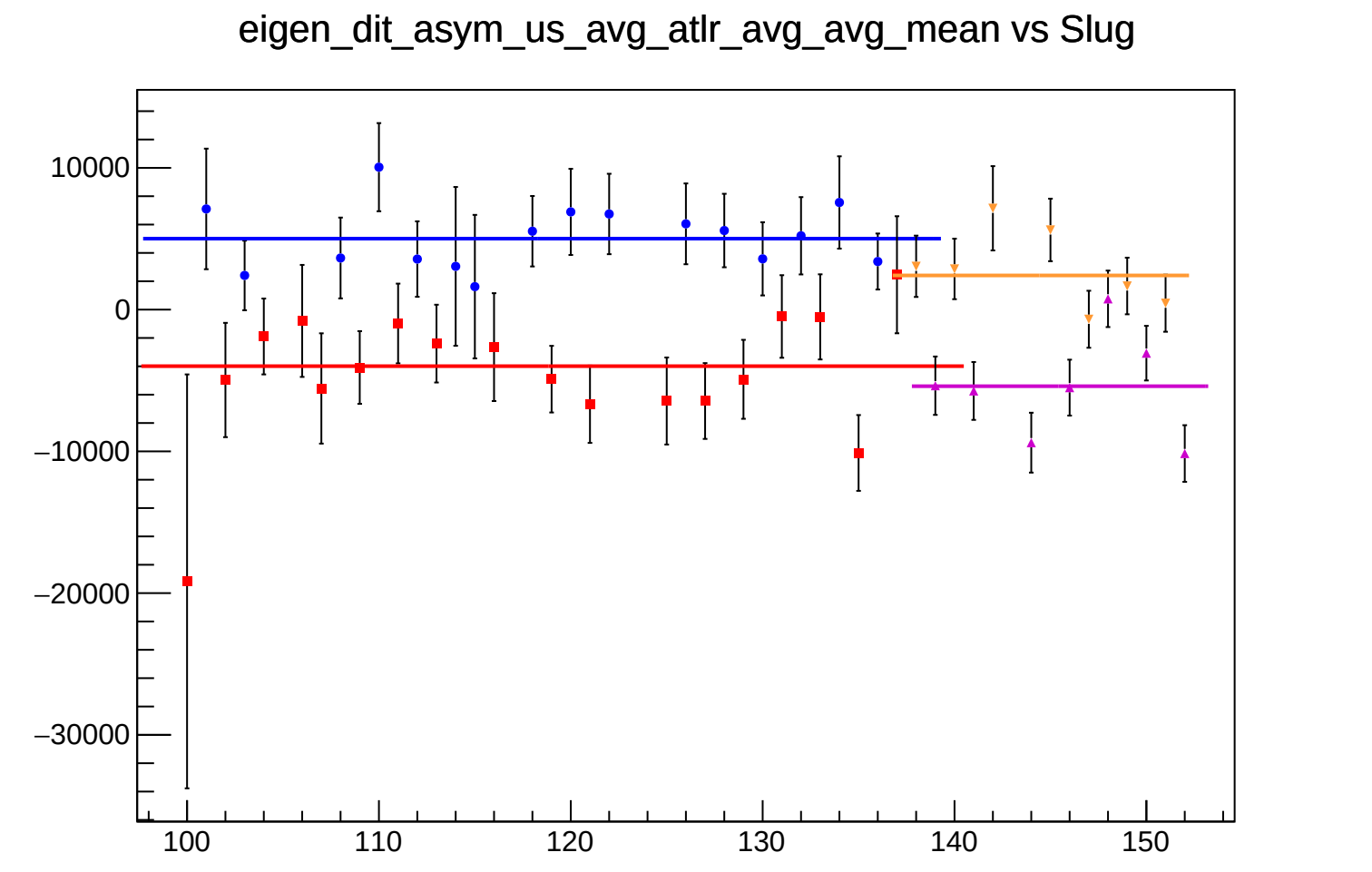
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 5904.069+/-1.710 χ^2/NDF:271242.0/6

+ sign 5242.307+/-1.069 χ^2/NDF: 927686.9/22

All: 5073.373+/-0.726 χ^2/NDF: 2892297.8/47

- sign 4928.936+/-0.988 χ^2/NDF: 1918265.3/24



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2410.952+/-817.291 χ^2/NDF:8.2/6

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

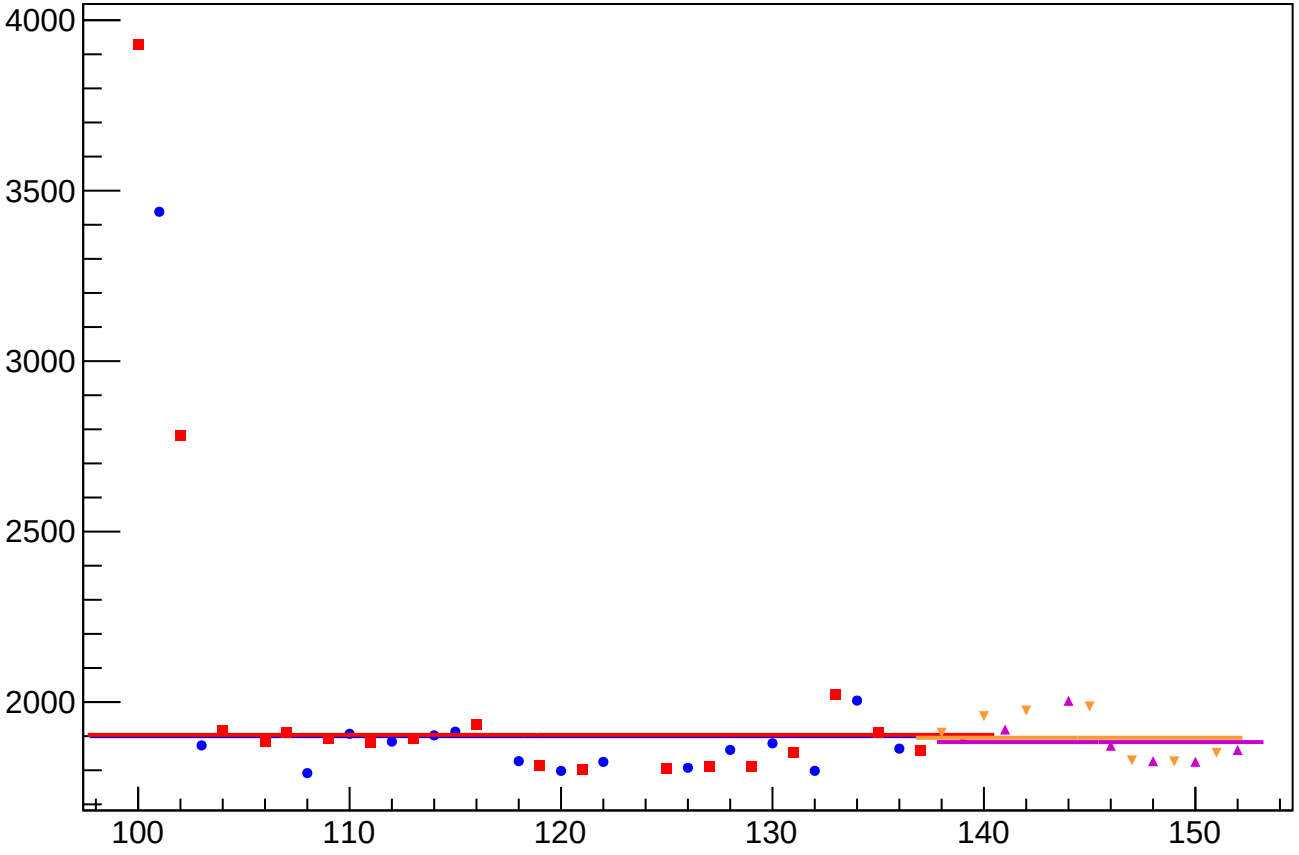
Left In: -5402.641+/-760.327 χ^2/NDF:20.3/6

+ sign 3883.364+/-537.734 χ^2/NDF: 21.6/22

All: -509.908+/-374.703 χ^2/NDF: 190.8/47

- sign -4656.485+/-522.418 χ^2/NDF: 39.5/24

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: 1895.407+/-0.578 χ^2/NDF:12335.0/6

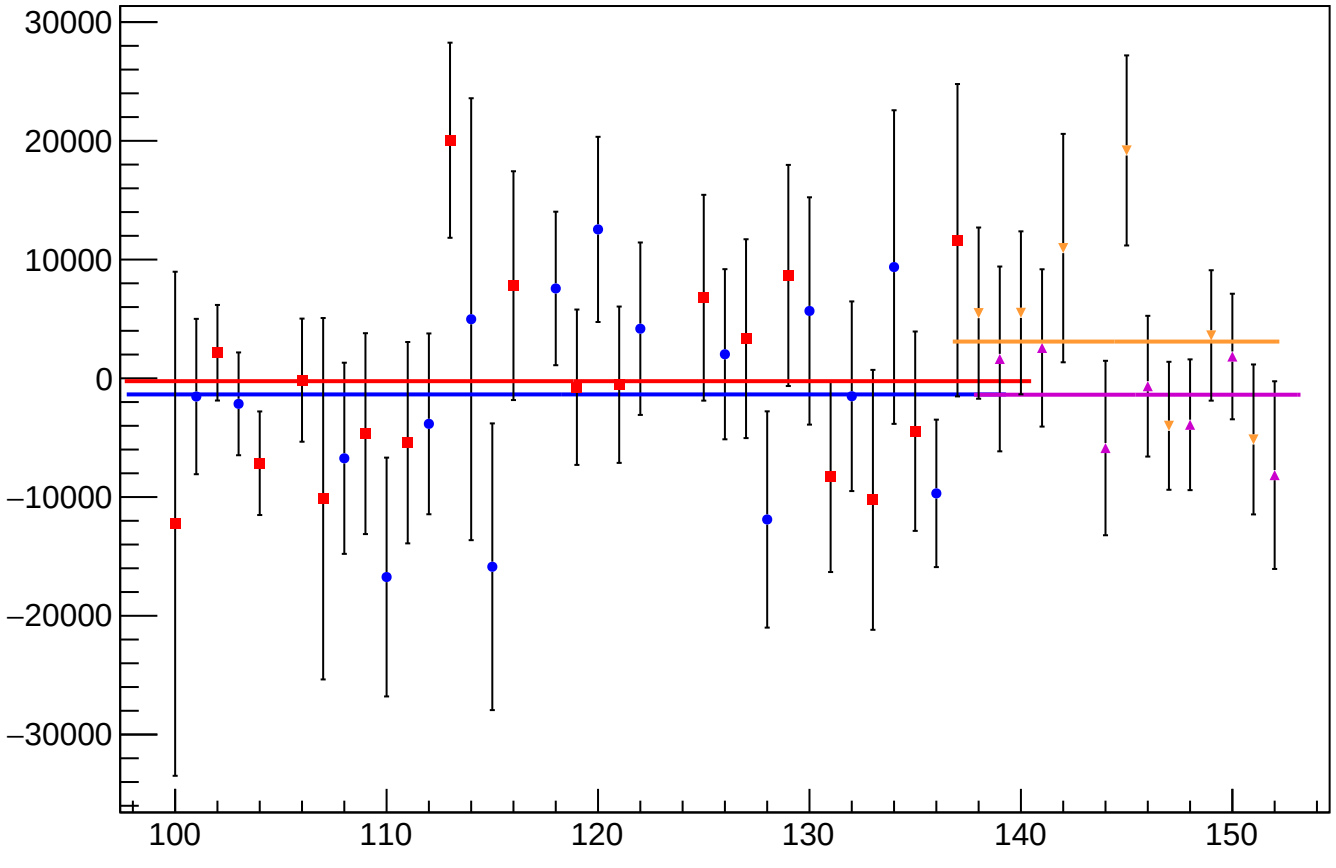
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1882.694+/-0.538 χ^2/NDF:10976.6/6

+ sign 1898.074+/-0.380 χ^2/NDF: 290821.0/22

All: 1895.906+/-0.265 χ^2/NDF: 452792.4/47

- sign 1893.861+/-0.369 χ^2/NDF: 161908.1/24



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 3094.038+/-2503.550 χ^2/NDF:8.4/6

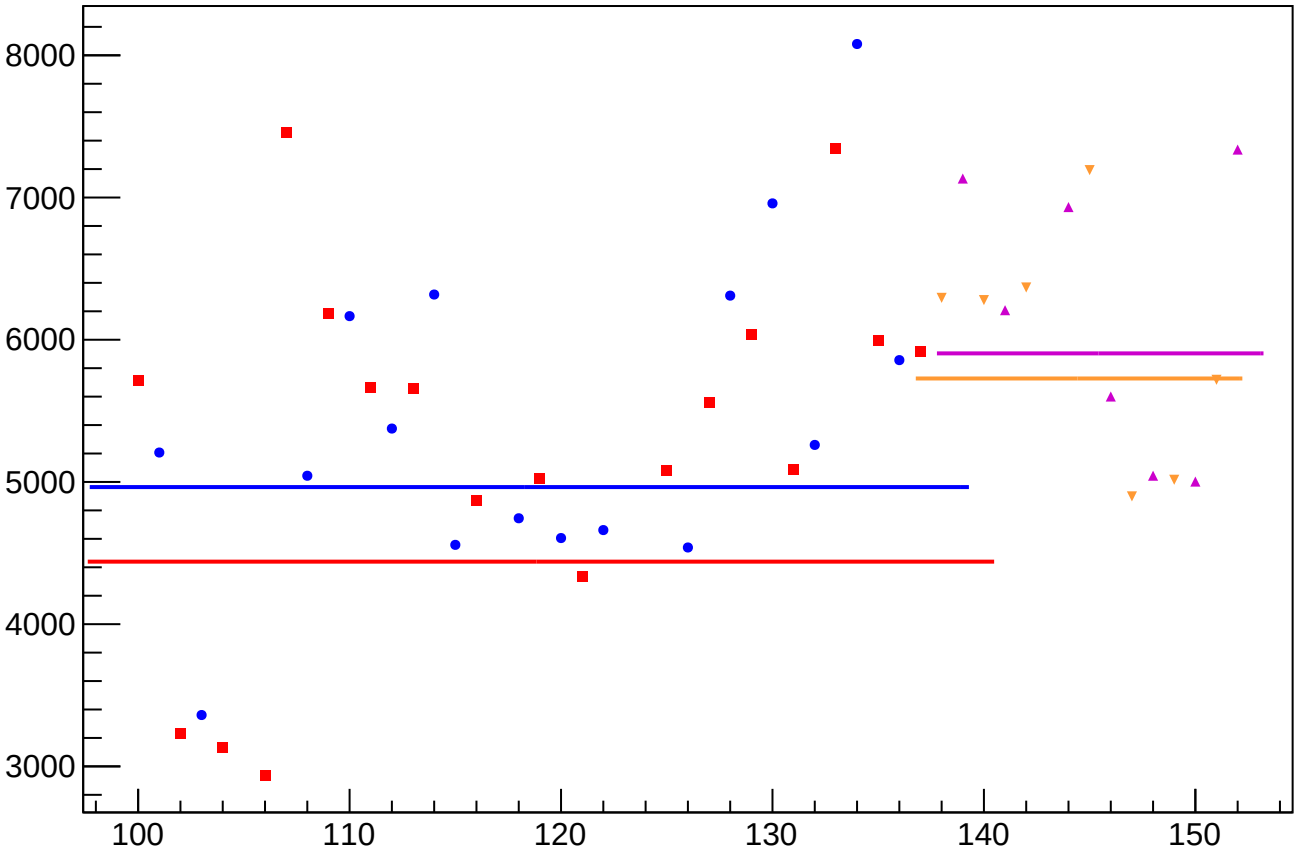
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -1381.706+/-2417.899 χ^2/NDF:2.2/6

\+ sign 265.597+/-1511.462 χ^2/NDF: 25.1/22

All: -213.011+/-1026.142 χ^2/NDF: 43.4/47

\- sign -622.217+/-1397.587 χ^2/NDF: 18.1/24



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 5727.564+/-1.770 χ^2/NDF:182081.6/6

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

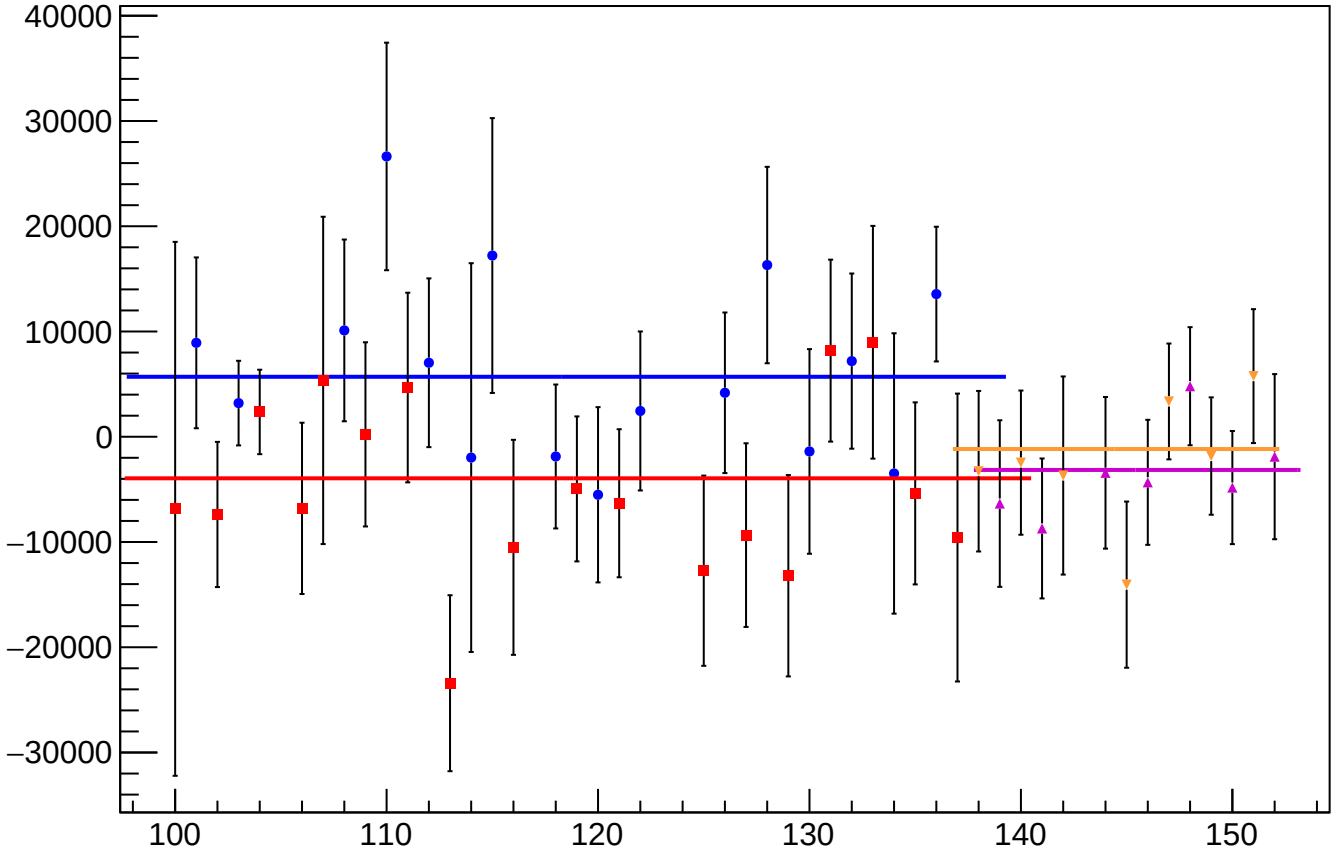
Left In: 5904.077+/-1.710 χ^2/NDF:271242.7/6

+ sign 5242.300+/-1.069 χ^2/NDF: 927697.2/22

All: 5073.366+/-0.726 χ^2/NDF: 2892321.5/47

- sign 4928.929+/-0.988 χ^2/NDF: 1918278.5/24

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -1167.170+/-2534.202 χ^2/NDF:4.7/6

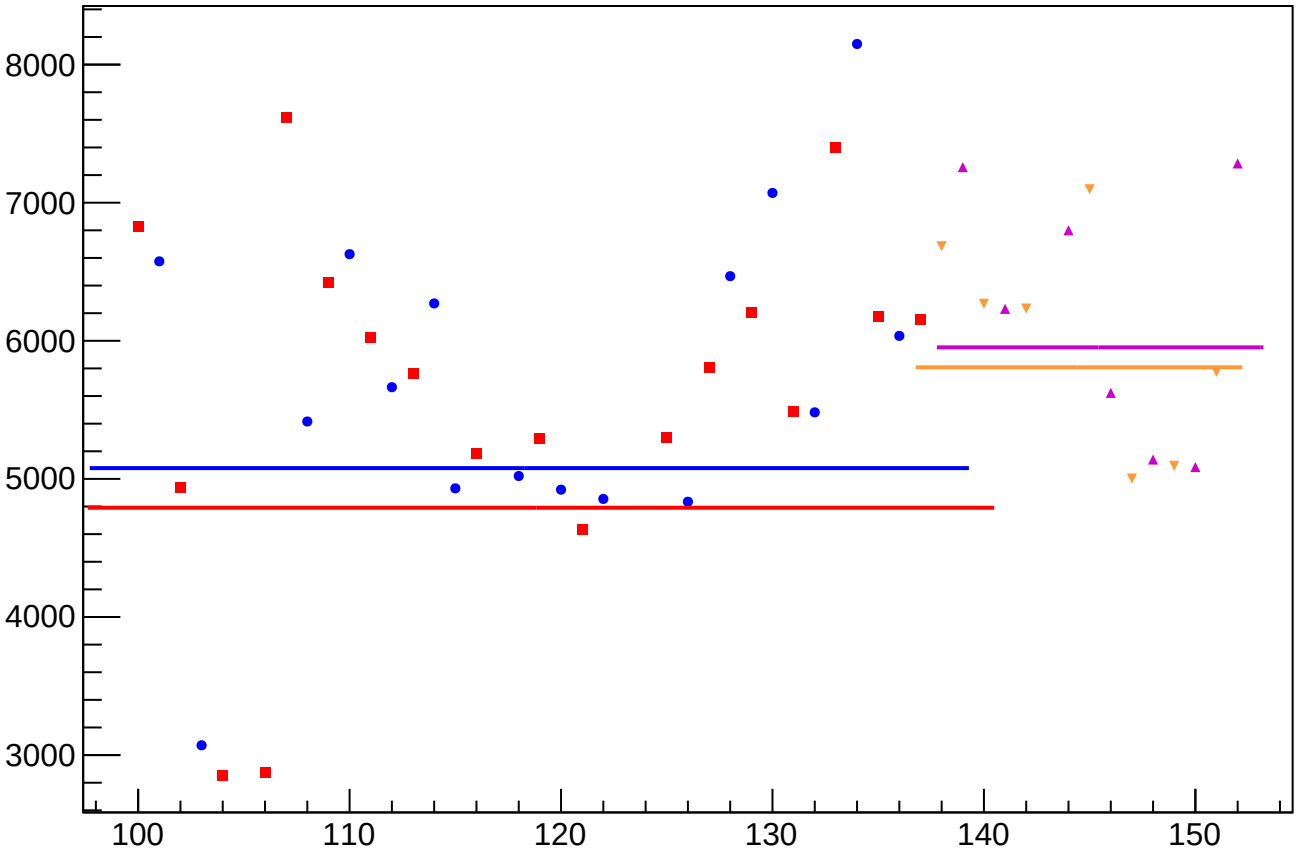
Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: -3154.460+/-2433.550 χ^2/NDF:3.0/6

+ sign 3129.256+/-1550.010 χ^2/NDF: 22.0/22

All: -351.398+/-1080.726 χ^2/NDF: 51.0/47

- sign -3644.298+/-1507.625 χ^2/NDF: 19.2/24



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 5807.909+/-1.792 χ^2/NDF:168498.6/6

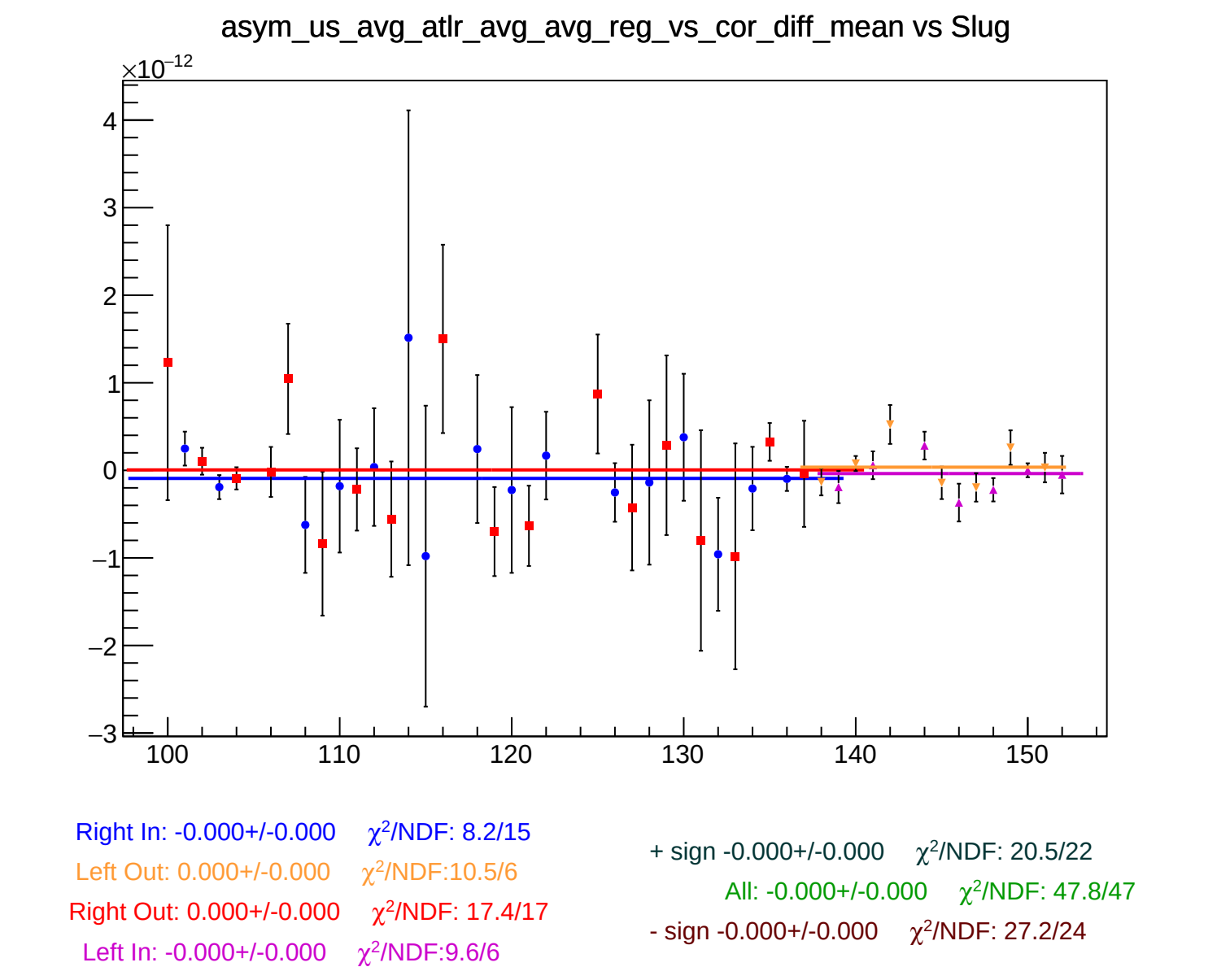
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 5952.476+/-1.721 χ^2/NDF:243338.4/6

+ sign 5351.151+/-1.096 χ^2/NDF: 1191510.8/22

All: 5285.921+/-0.759 χ^2/NDF: 2889132.9/47

- sign 5225.748+/-1.053 χ^2/NDF: 1690812.5/24


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
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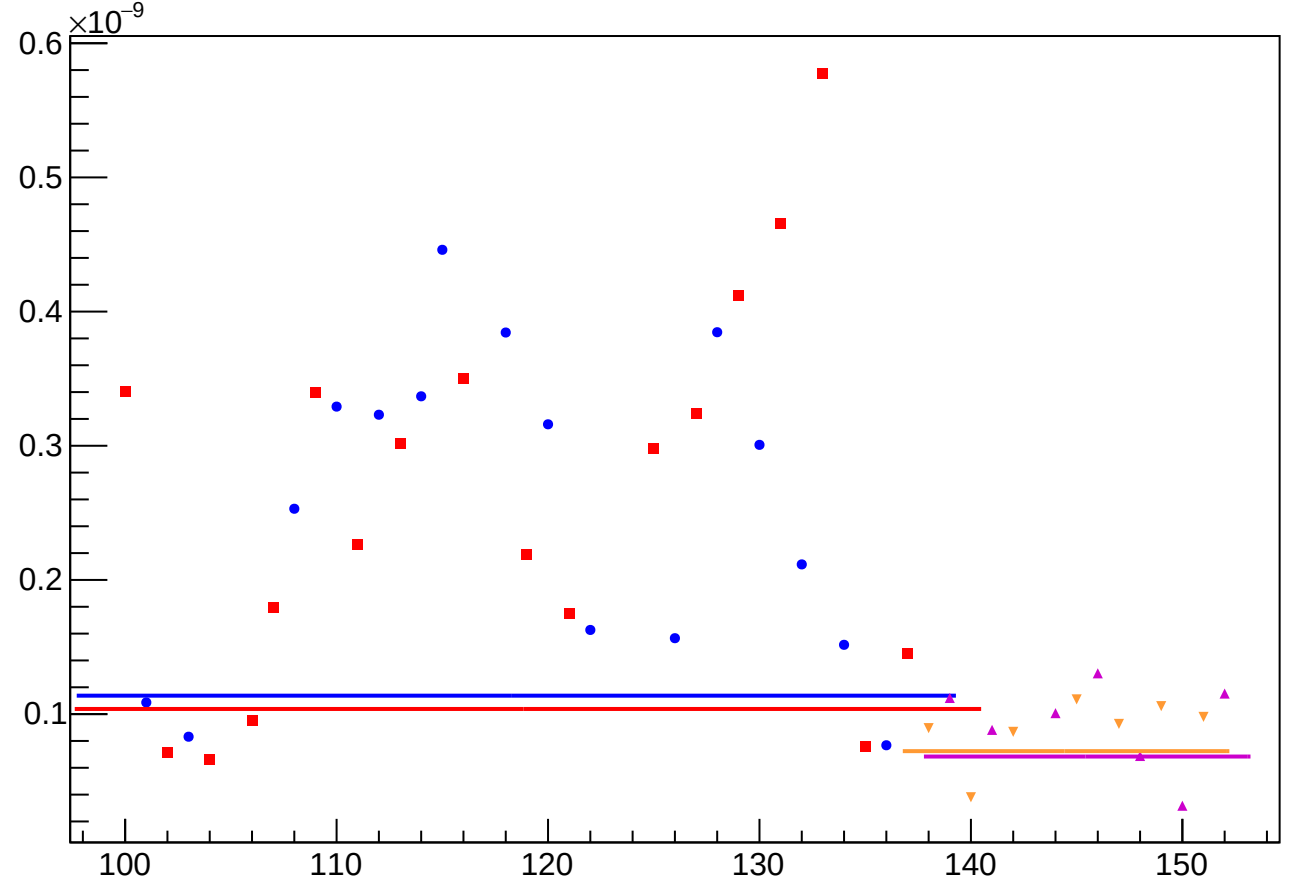
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:10.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 17.4/17
Left In: -0.000+/-0.000 χ²/NDF:9.6/6
+ sign -0.000+/-0.000 χ²/NDF: 20.5/22
All: -0.000+/-0.000 χ²/NDF: 47.8/47
- sign -0.000+/-0.000 χ²/NDF: 27.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:576038.1/6

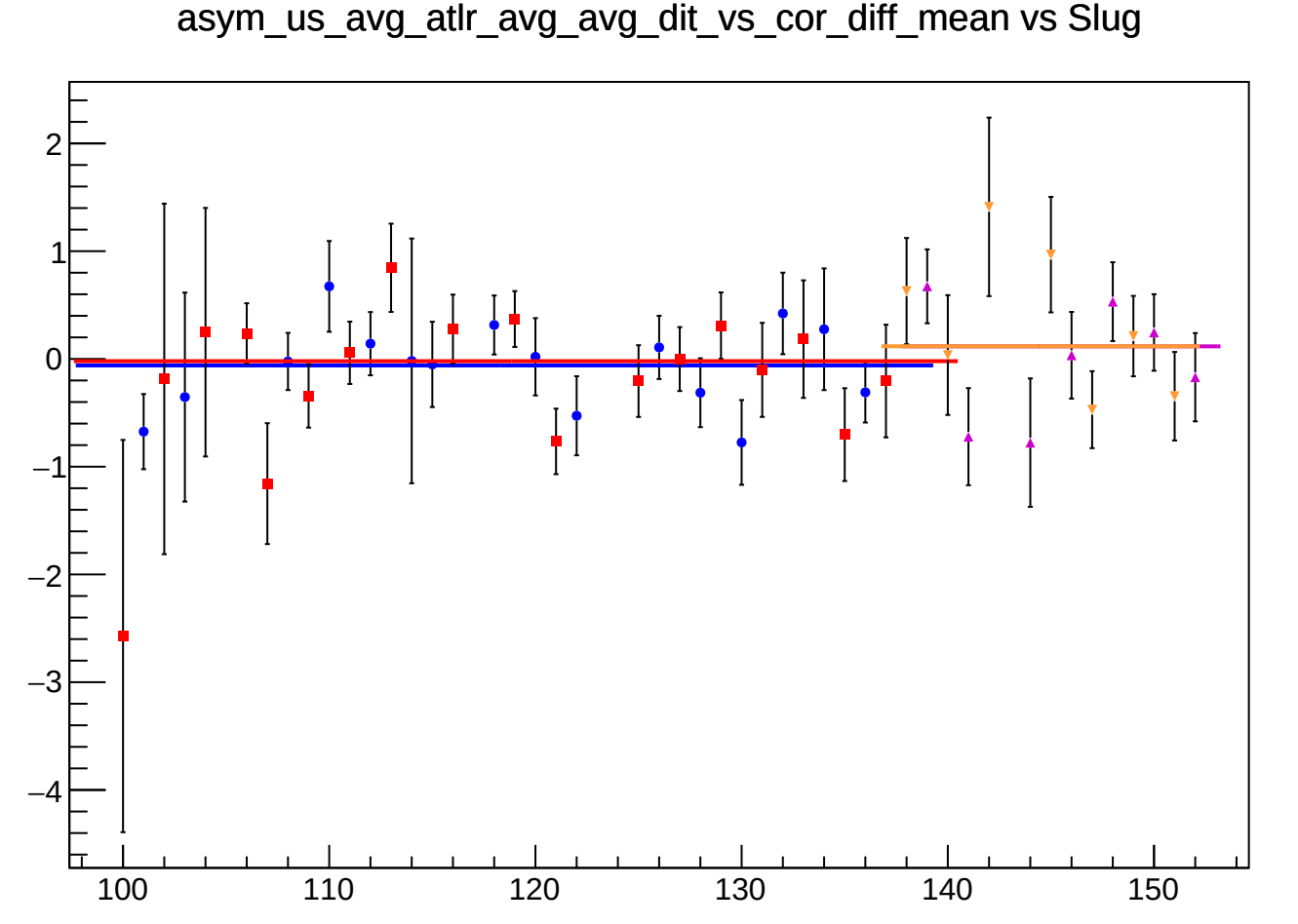
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:910409.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 2475789.8/22

All: 0.000+/-0.000 χ^2/NDF: 5786246.6/47

- sign 0.000+/-0.000 χ^2/NDF: 3287206.9/24



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.118+/-0.173 χ^2/NDF:10.1/6

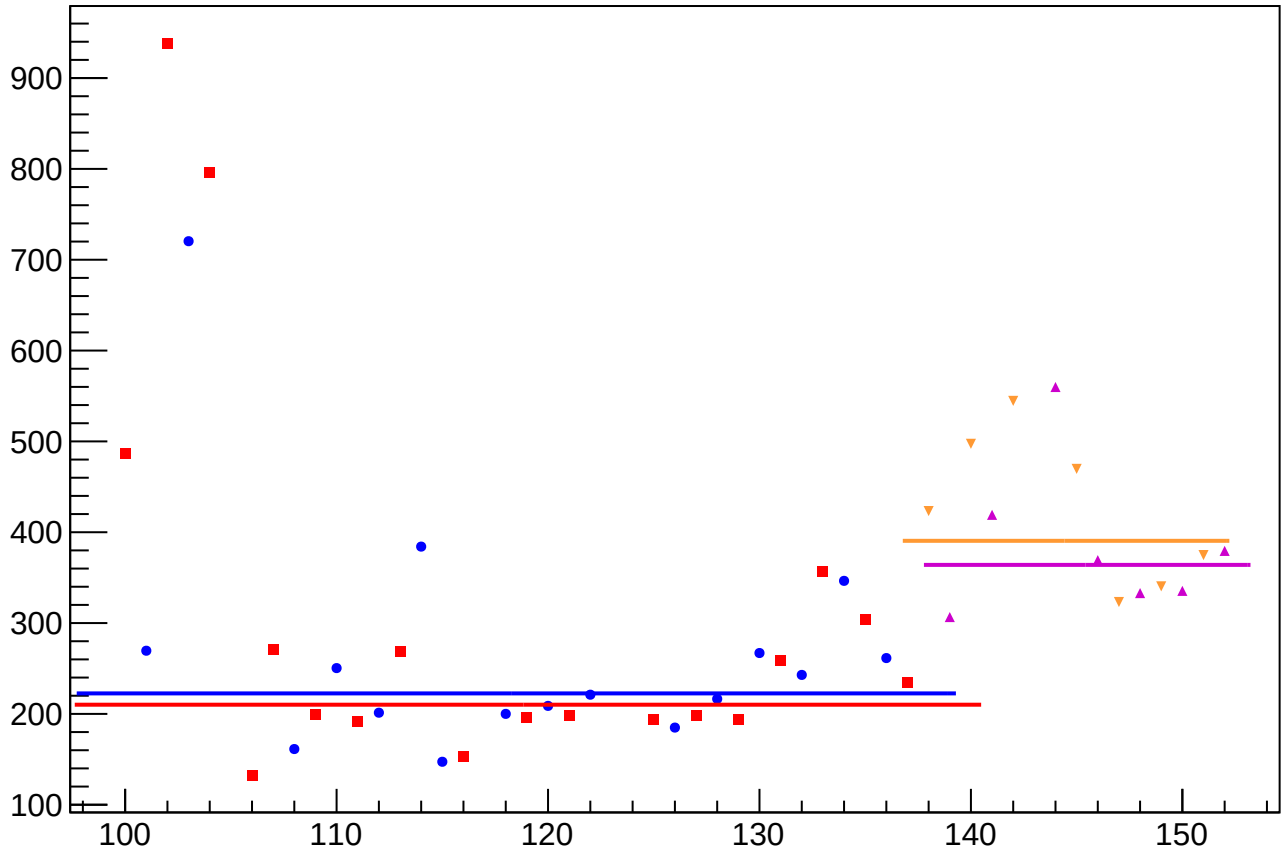
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.117+/-0.151 χ^2/NDF:10.3/6

+ sign -0.024+/-0.079 χ^2/NDF: 28.3/22

All: -0.004+/-0.055 χ^2/NDF: 65.4/47

- sign 0.014+/-0.076 χ^2/NDF: 37.0/24



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 390.551+/-0.123 χ^2/NDF:305692.1/6

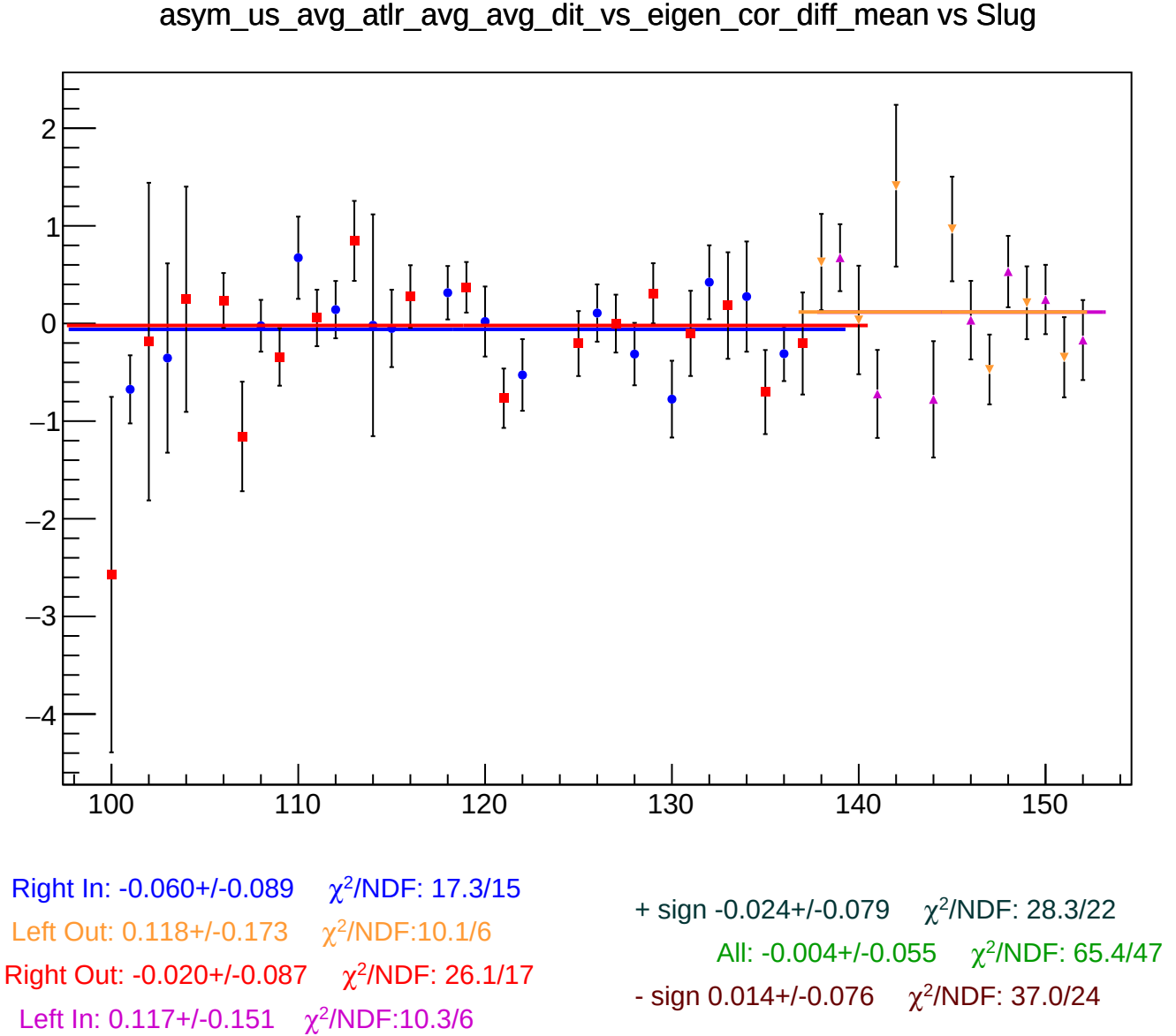
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 364.046+/-0.107 χ^2/NDF:332654.7/6

+ sign 257.366+/-0.056 χ^2/NDF: 2811795.8/22

All: 252.865+/-0.039 χ^2/NDF: 6260241.5/47

- sign 248.729+/-0.054 χ^2/NDF: 3435967.4/24



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.118+/-0.173 χ^2/NDF:10.1/6

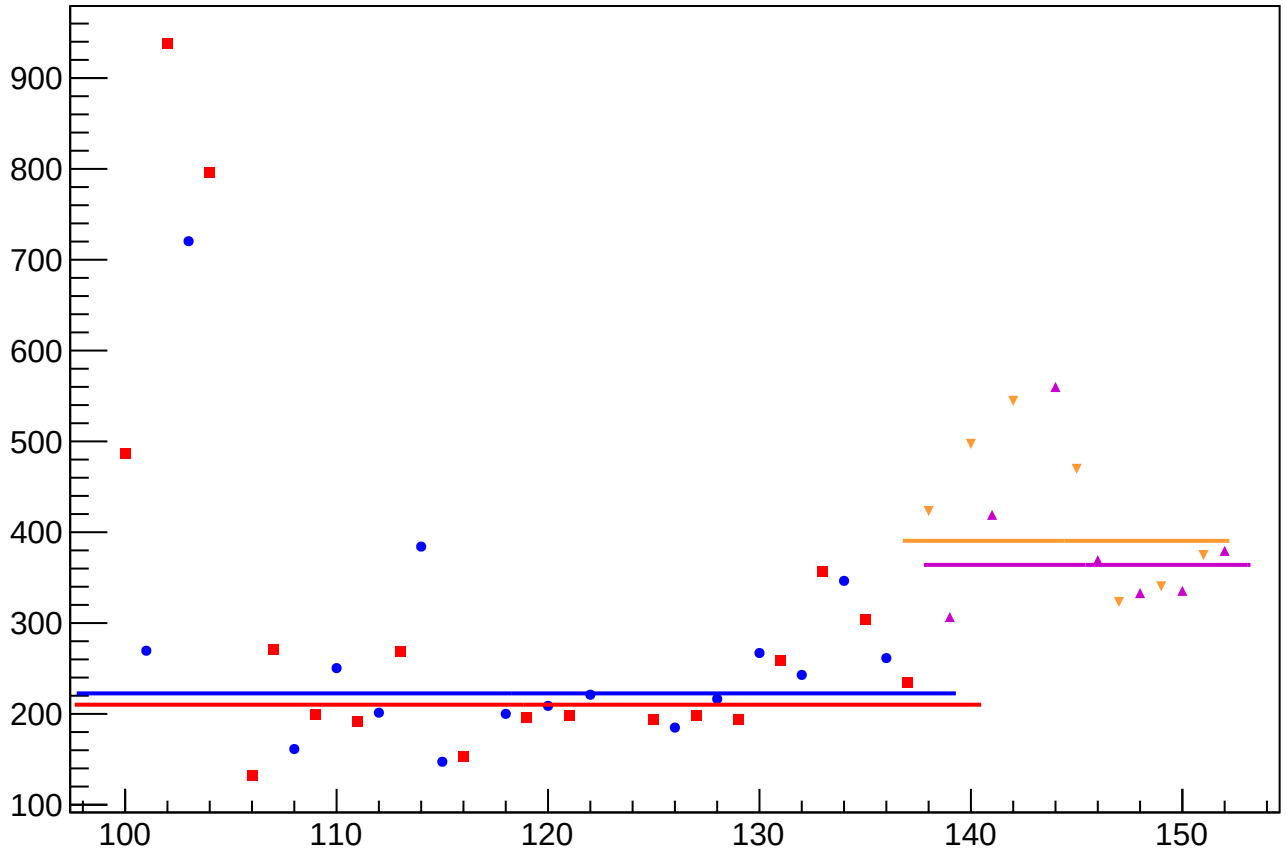
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.117+/-0.151 χ^2/NDF:10.3/6

+ sign -0.024+/-0.079 χ^2/NDF: 28.3/22

All: -0.004+/-0.055 χ^2/NDF: 65.4/47

- sign 0.014+/-0.076 χ^2/NDF: 37.0/24



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 390.551+/-0.123 χ^2/NDF:305692.1/6

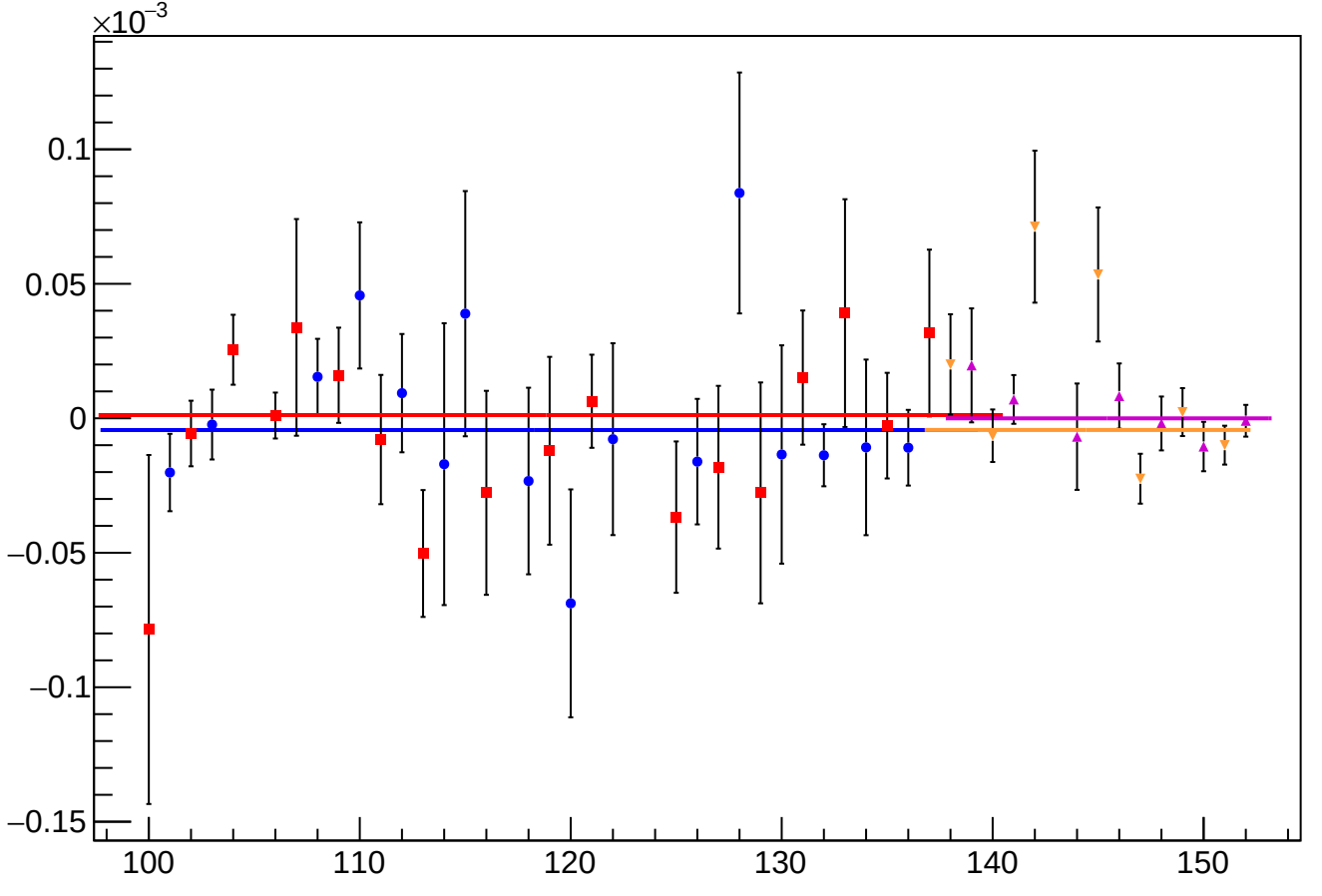
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 364.046+/-0.107 χ^2/NDF:332654.7/6

+ sign 257.366+/-0.056 χ^2/NDF: 2811795.8/22

All: 252.865+/-0.039 χ^2/NDF: 6260241.5/47

- sign 248.729+/-0.054 χ^2/NDF: 3435967.4/24



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/6

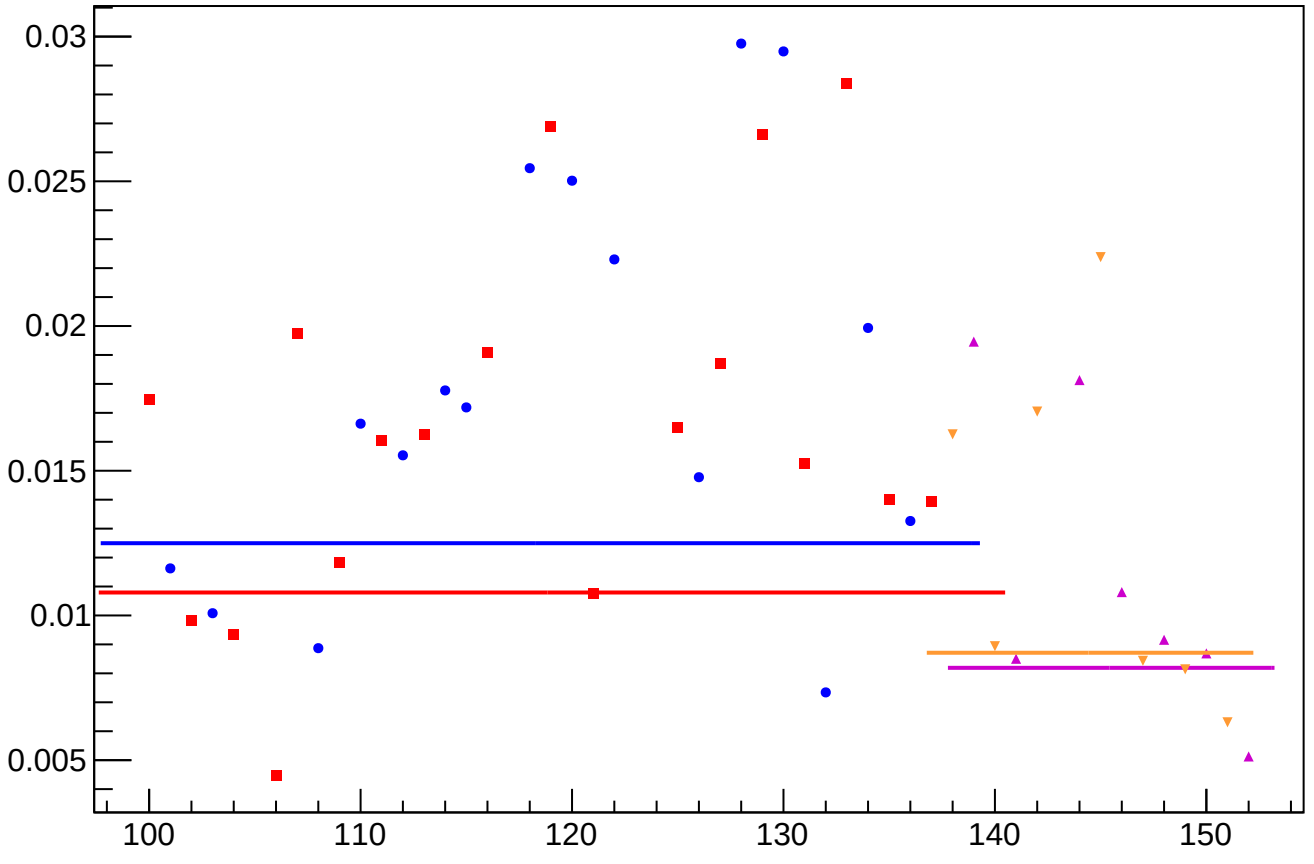
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:3.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 34.9/22

All: -0.000+/-0.000 χ^2/NDF: 56.9/47

- sign 0.000+/-0.000 χ^2/NDF: 20.7/24



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1334530.8/6

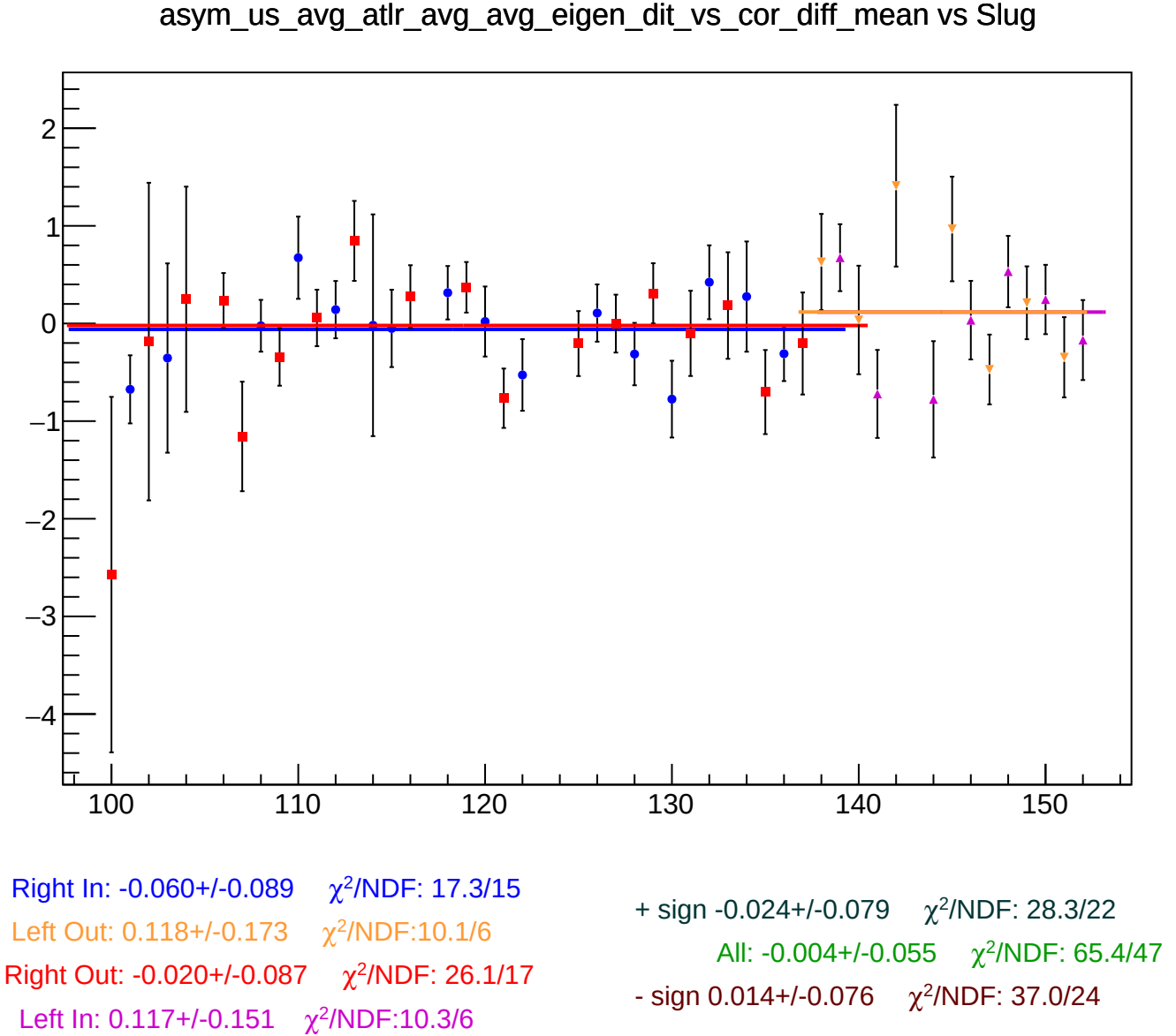
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:1729670.0/6

+ sign 0.010+/-0.000 χ^2/NDF: 4121235.6/22

All: 0.010+/-0.000 χ^2/NDF: 9339091.8/47

- sign 0.009+/-0.000 χ^2/NDF: 5110222.2/24


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
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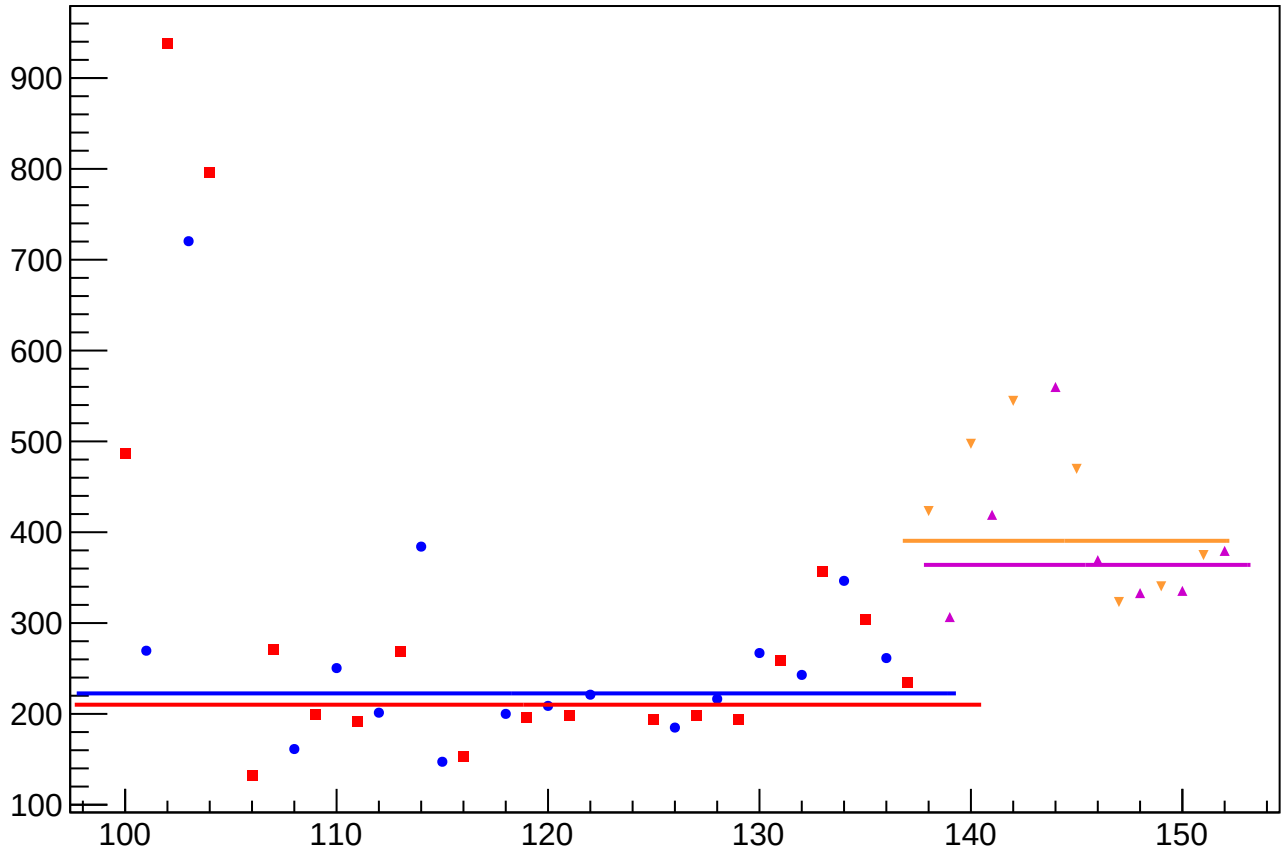
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.118+/-0.173 χ²/NDF:10.1/6
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.117+/-0.151 χ²/NDF:10.3/6
+ sign -0.024+/-0.079 χ²/NDF: 28.3/22
All: -0.004+/-0.055 χ²/NDF: 65.4/47
- sign 0.014+/-0.076 χ²/NDF: 37.0/24



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 390.555+/-0.123 χ^2/NDF:305692.5/6

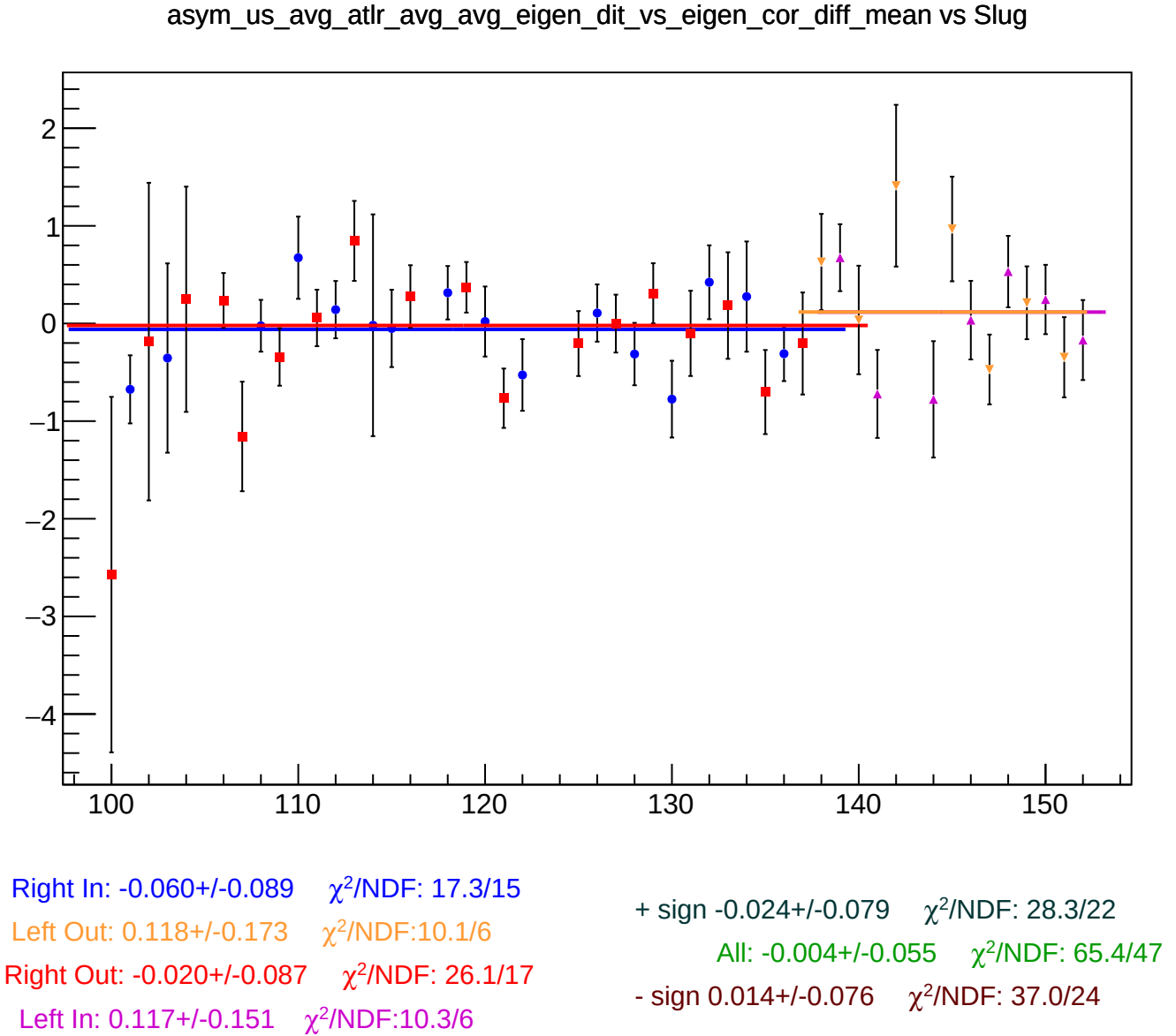
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 364.052+/-0.107 χ^2/NDF:332645.6/6

+ sign 257.365+/-0.056 χ^2/NDF: 2811865.9/22

All: 252.863+/-0.039 χ^2/NDF: 6260418.7/47

- sign 248.726+/-0.054 χ^2/NDF: 3436072.5/24


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
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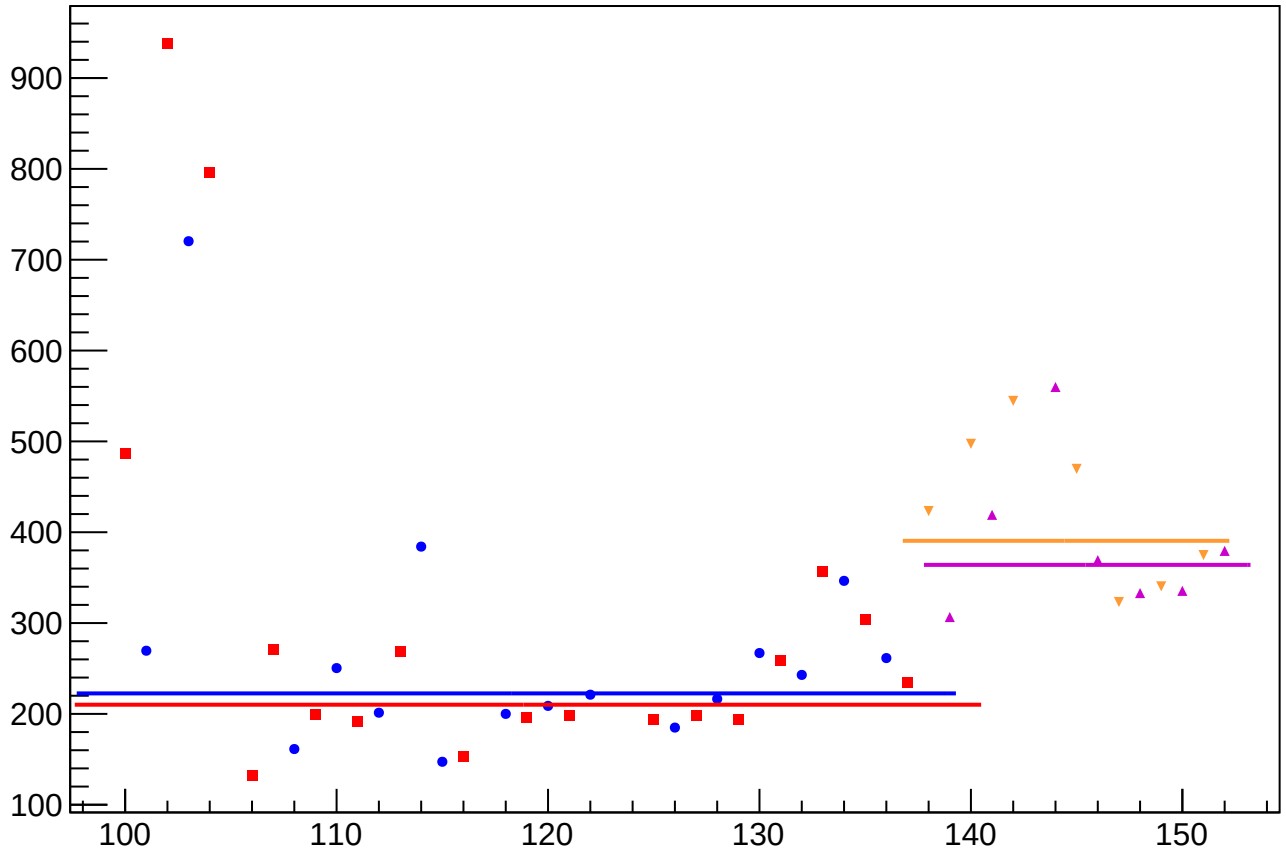
100
110
120
130
140
150
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.118+/-0.173 χ²/NDF:10.1/6
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.117+/-0.151 χ²/NDF:10.3/6
+ sign -0.024+/-0.079 χ²/NDF: 28.3/22
All: -0.004+/-0.055 χ²/NDF: 65.4/47
- sign 0.014+/-0.076 χ²/NDF: 37.0/24



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 390.555+/-0.123 χ^2/NDF:305692.5/6

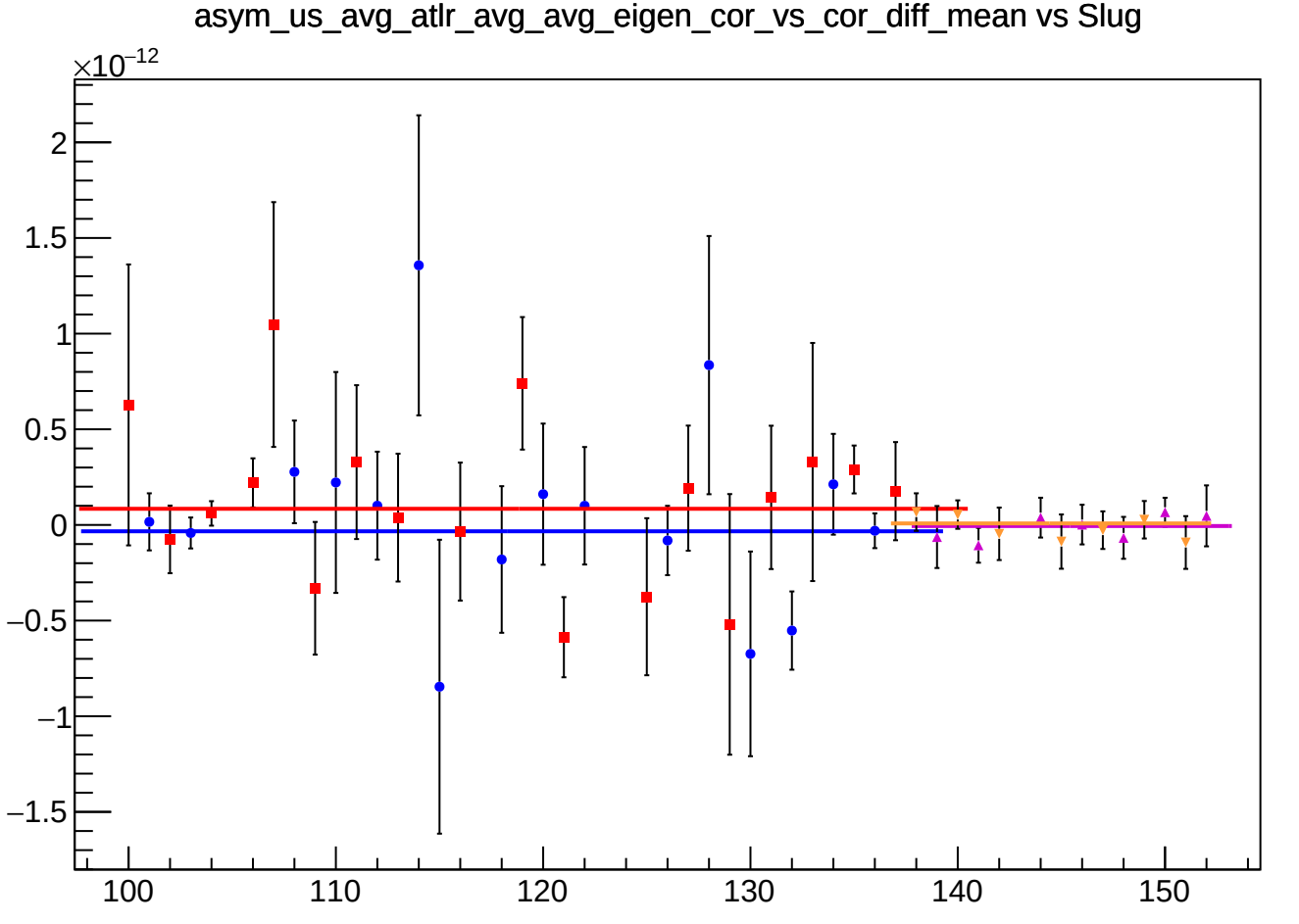
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 364.052+/-0.107 χ^2/NDF:332645.6/6

+ sign 257.365+/-0.056 χ^2/NDF: 2811865.9/22

All: 252.863+/-0.039 χ^2/NDF: 6260418.7/47

- sign 248.726+/-0.054 χ^2/NDF: 3436072.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/6

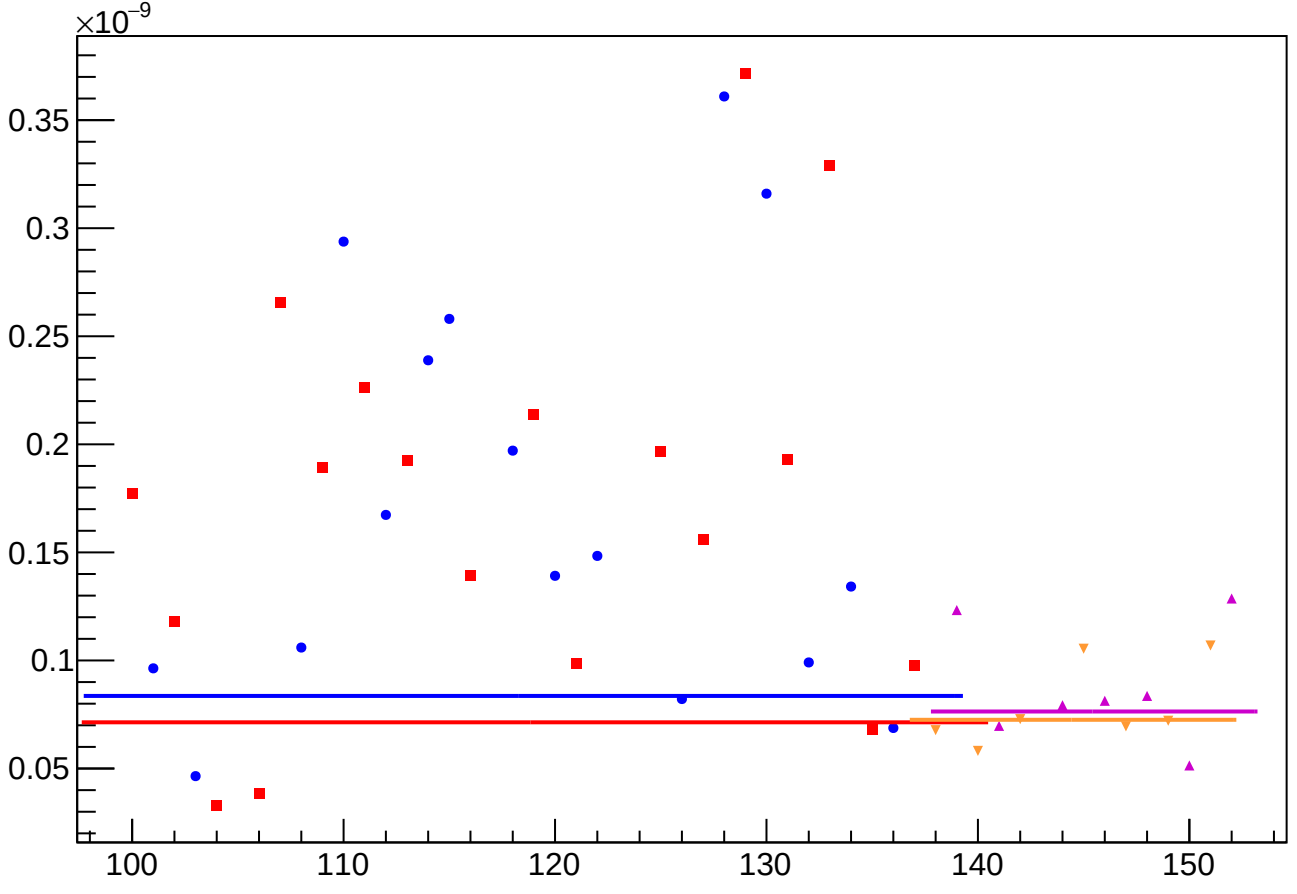
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:2.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 19.7/22

All: 0.000+/-0.000 χ^2/NDF: 51.8/47

- sign 0.000+/-0.000 χ^2/NDF: 31.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:313299.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

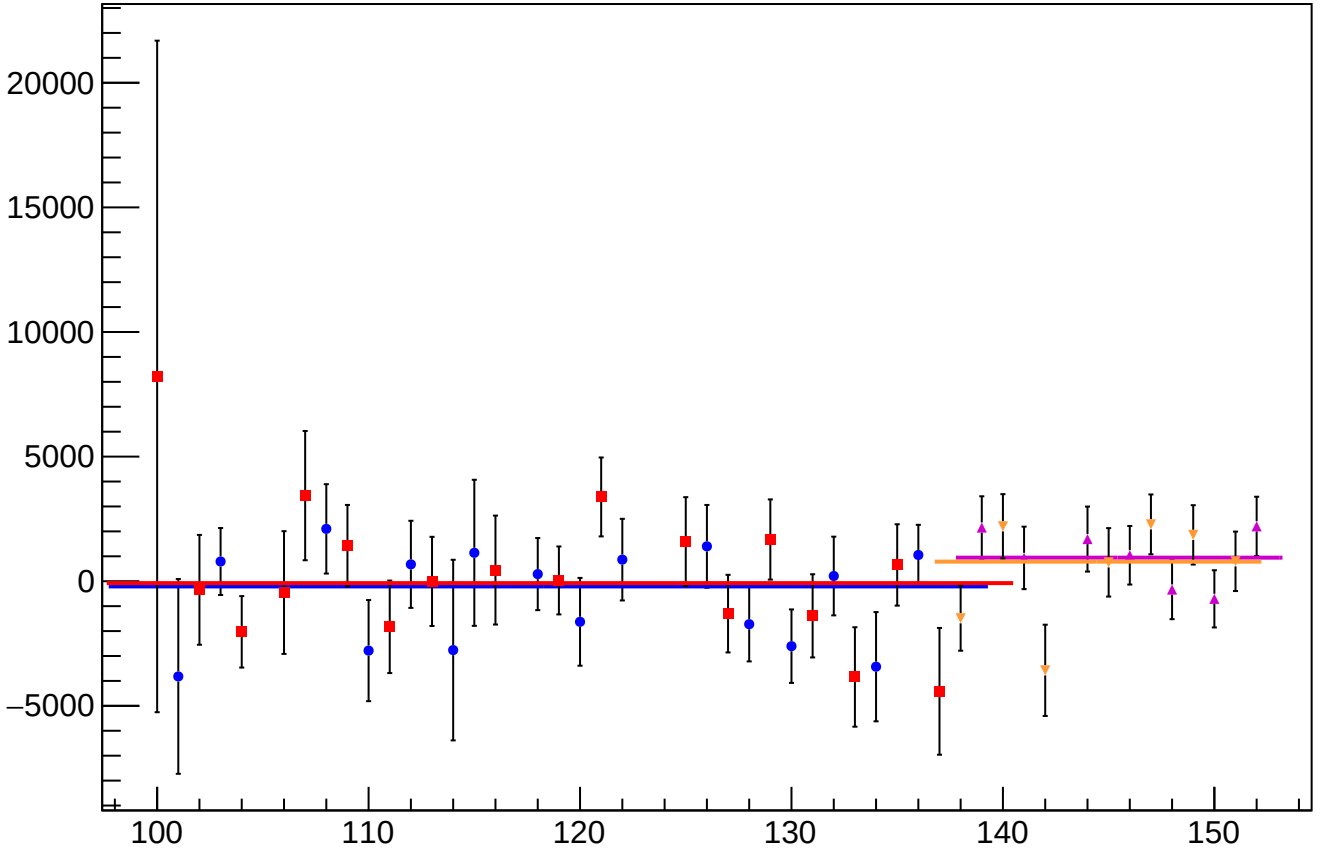
Left In: 0.000+/-0.000 χ^2/NDF:627022.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 2613557.0/22

All: 0.000+/-0.000 χ^2/NDF: 7009483.8/47

- sign 0.000+/-0.000 χ^2/NDF: 4386428.5/24

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 786.194+/-492.580 χ^2/NDF:12.3/6

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

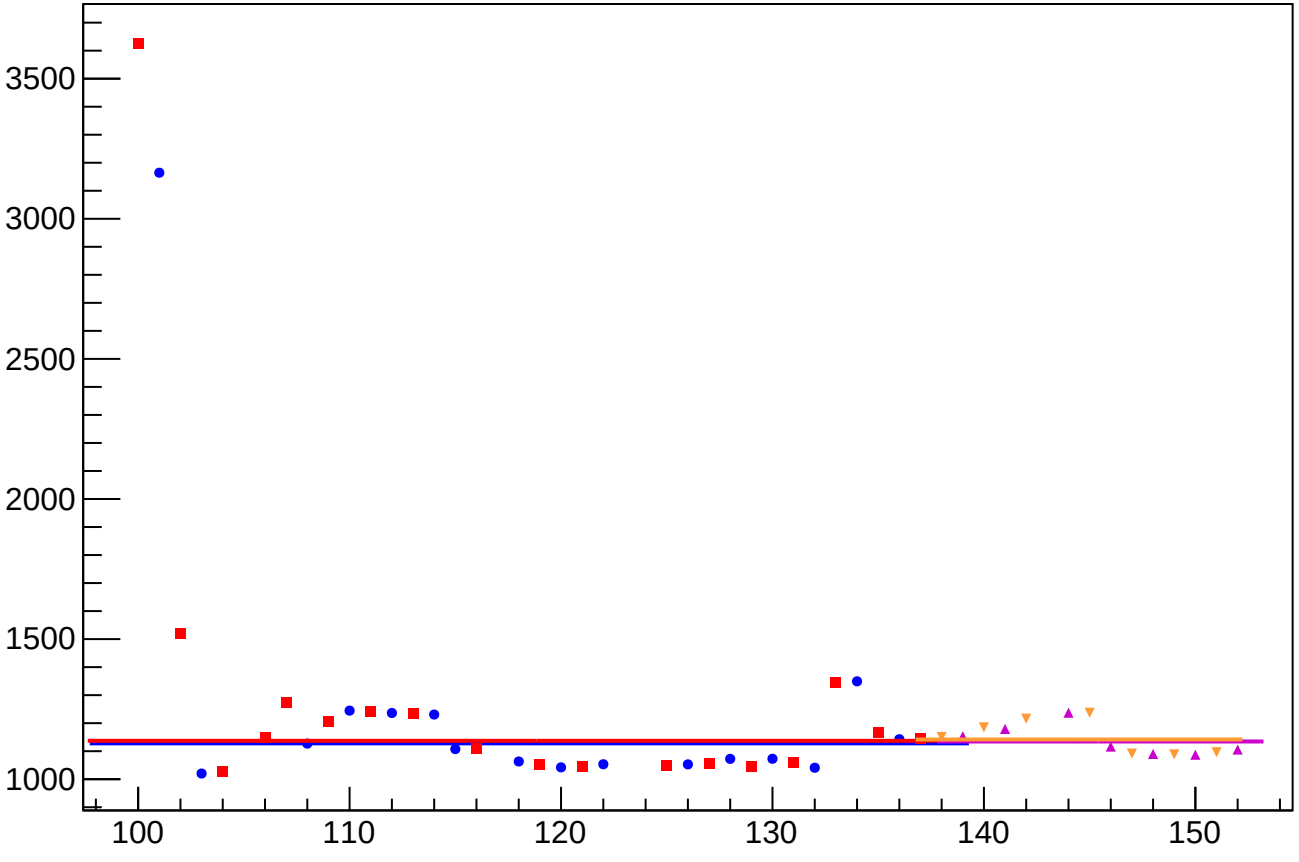
Left In: 945.690+/-458.403 χ^2/NDF:5.6/6

\+ sign 220.816+/-323.574 χ^2/NDF: 29.4/22

All: 314.832+/-225.307 χ^2/NDF: 58.4/47

\- sign 403.317+/-313.911 χ^2/NDF: 28.9/24

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1141.661+/-0.348 χ^2/NDF:25663.0/6

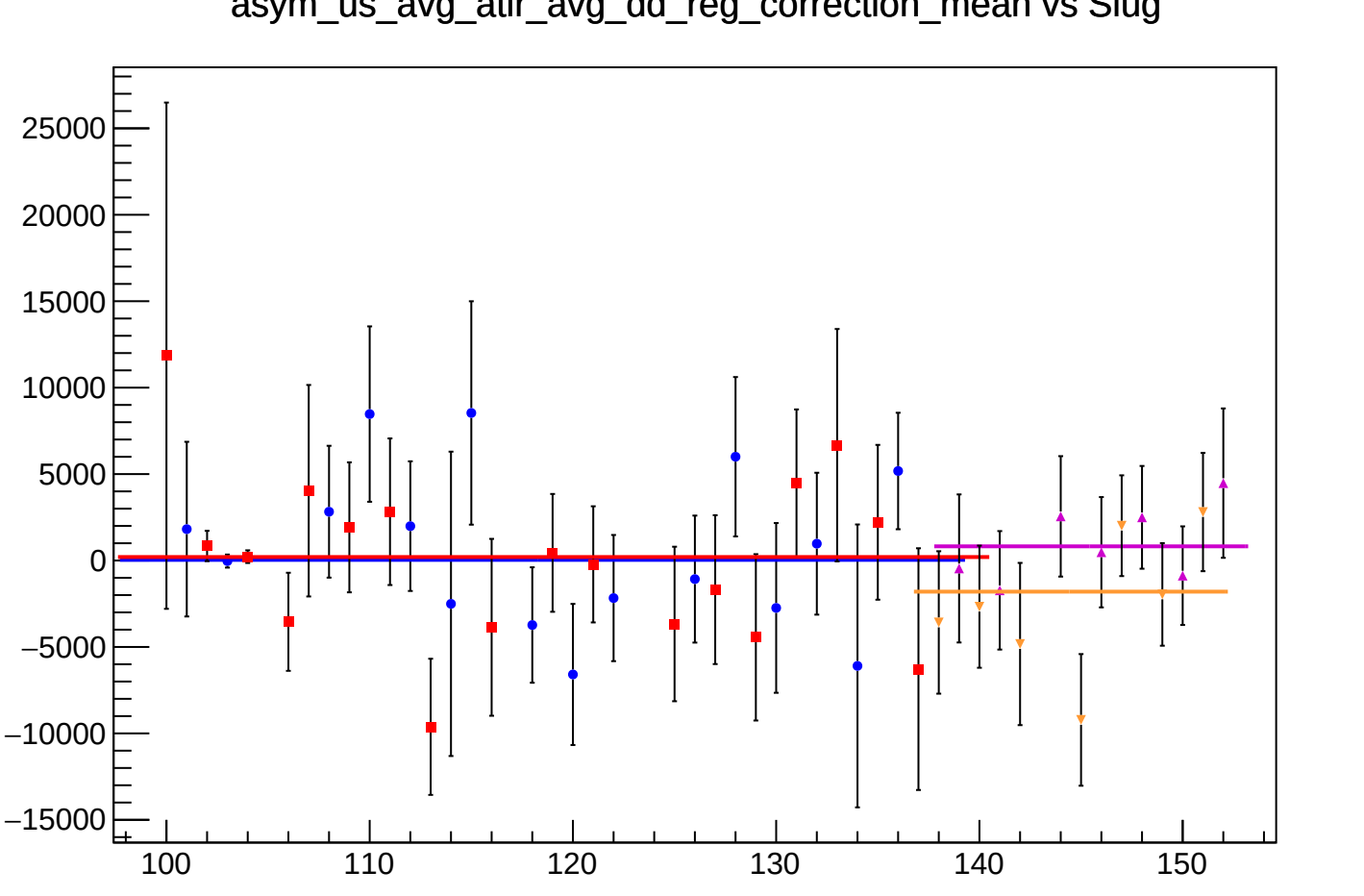
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1134.624+/-0.324 χ^2/NDF:23257.8/6

+ sign 1133.899+/-0.229 χ^2/NDF: 647931.1/22

All: 1134.936+/-0.159 χ^2/NDF: 891344.5/47

- sign 1135.910+/-0.222 χ^2/NDF: 243373.5/24



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -1800.290+/-1324.260 χ^2/NDF:8.0/6

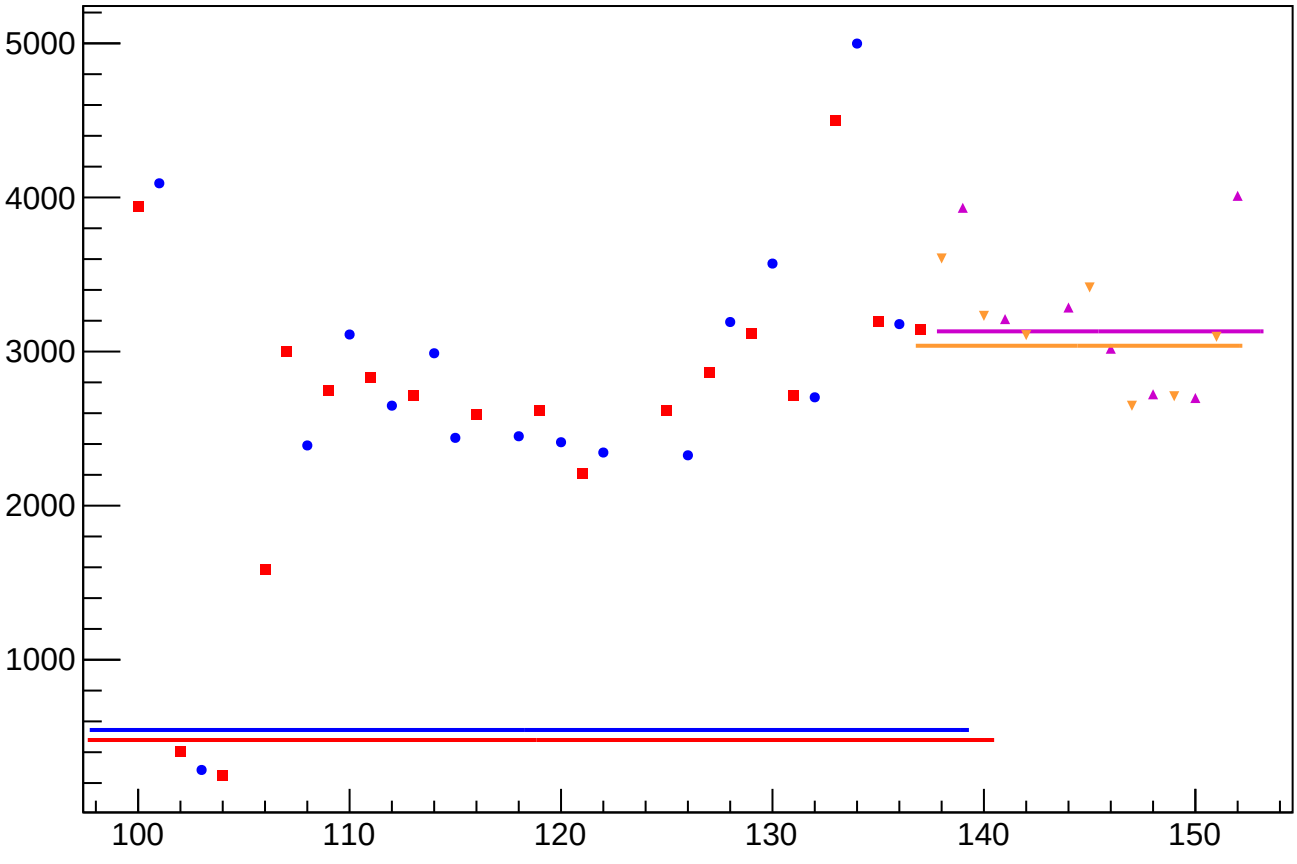
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 820.653+/-1280.323 χ^2/NDF:2.3/6

+ sign -86.692+/-345.280 χ^2/NDF: 24.6/22

All: 91.975+/-231.806 χ^2/NDF: 43.3/47

- sign 238.583+/-312.772 χ^2/NDF: 18.1/24



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3037.666+/-0.936 χ^2/NDF:124710.0/6

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

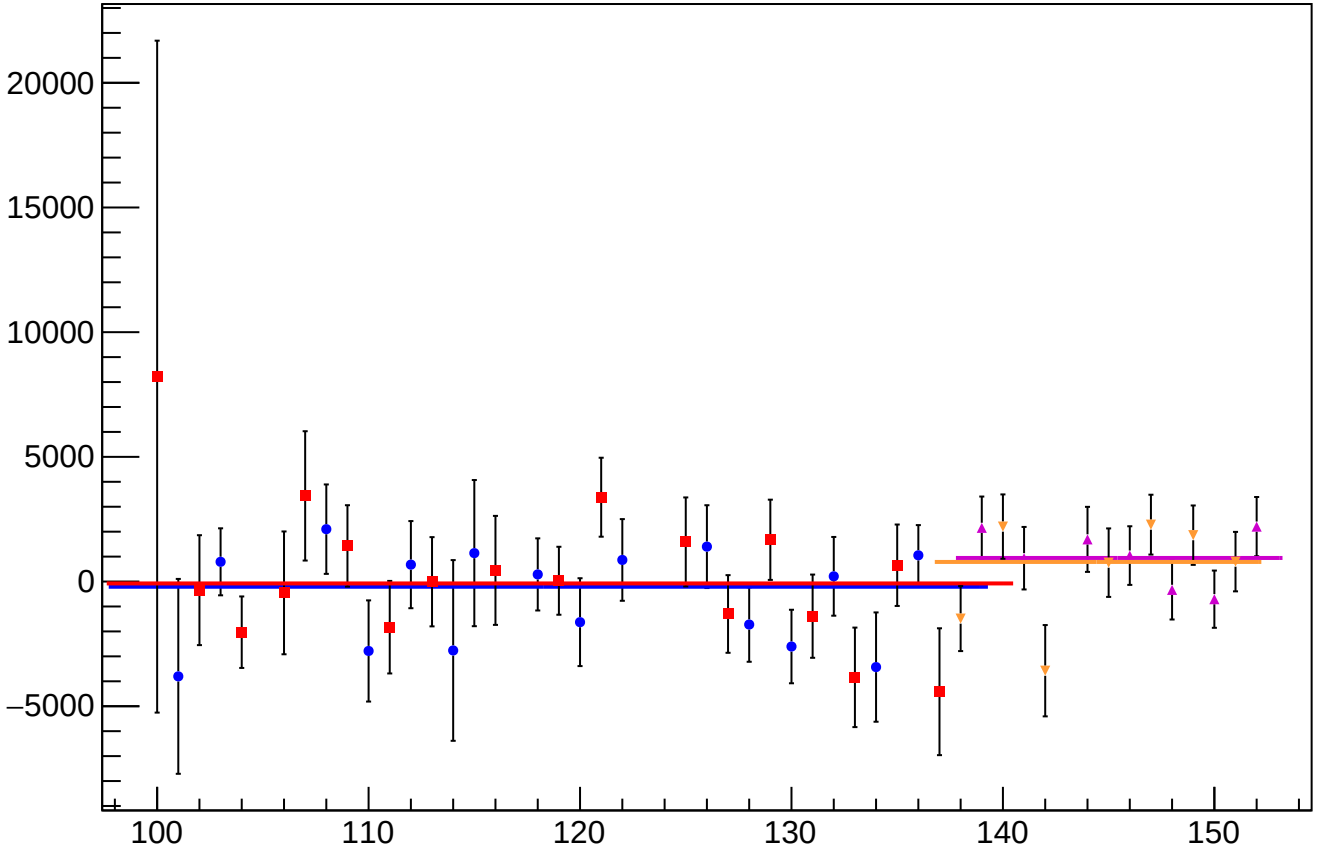
Left In: 3131.082+/-0.905 χ^2/NDF:244248.9/6

+ sign 713.839+/-0.244 χ^2/NDF: 16415632.1/22

All: 671.913+/-0.164 χ^2/NDF: 33969407.8/47

- sign 637.510+/-0.221 χ^2/NDF: 17500090.1/24

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 786.269+/-492.580 χ^2/NDF:12.3/6

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

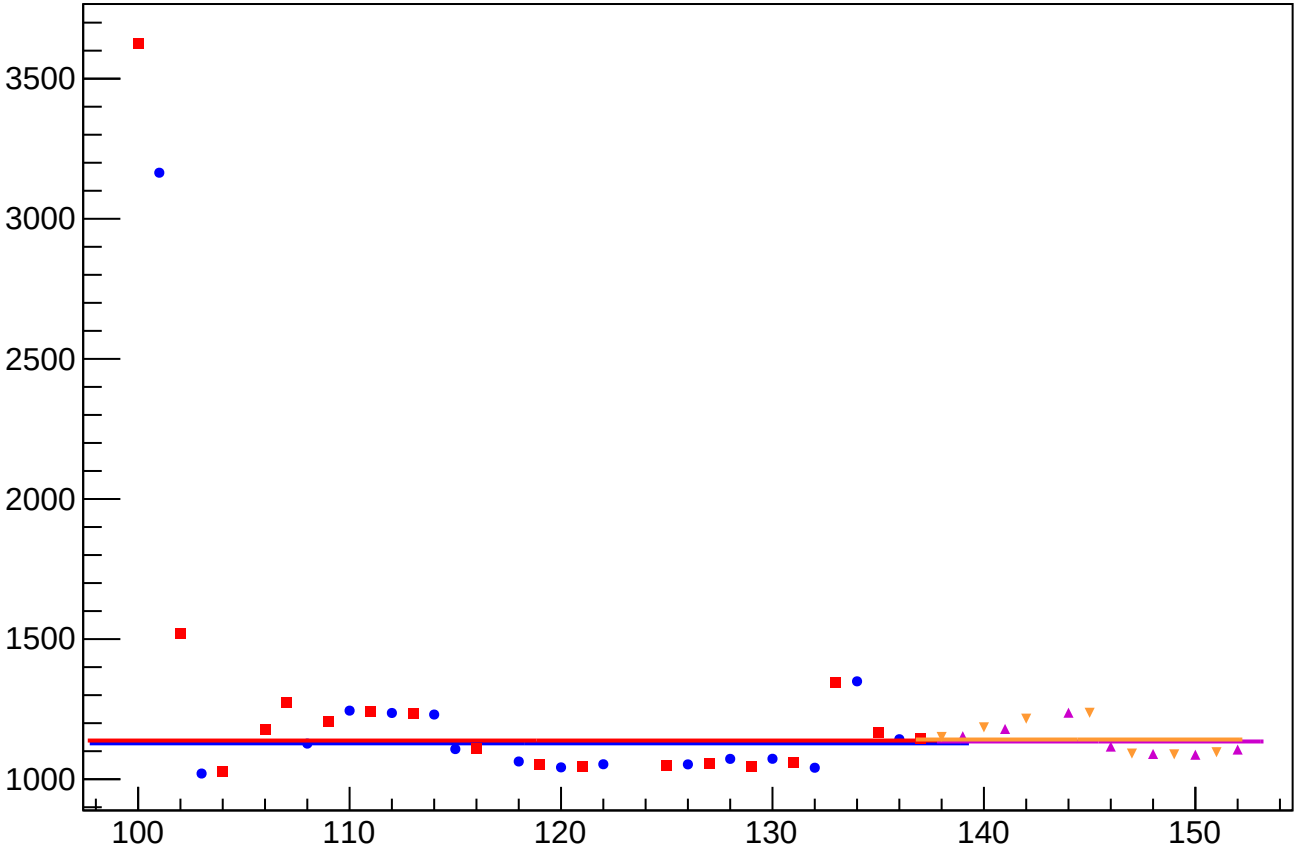
Left In: 945.794+/-458.403 χ^2/NDF:5.6/6

\+ sign 220.978+/-323.574 χ^2/NDF: 29.4/22

All: 314.896+/-225.307 χ^2/NDF: 58.4/47

\- sign 403.289+/-313.911 χ^2/NDF: 28.9/24

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1141.661+/-0.348 χ^2/NDF:25663.0/6

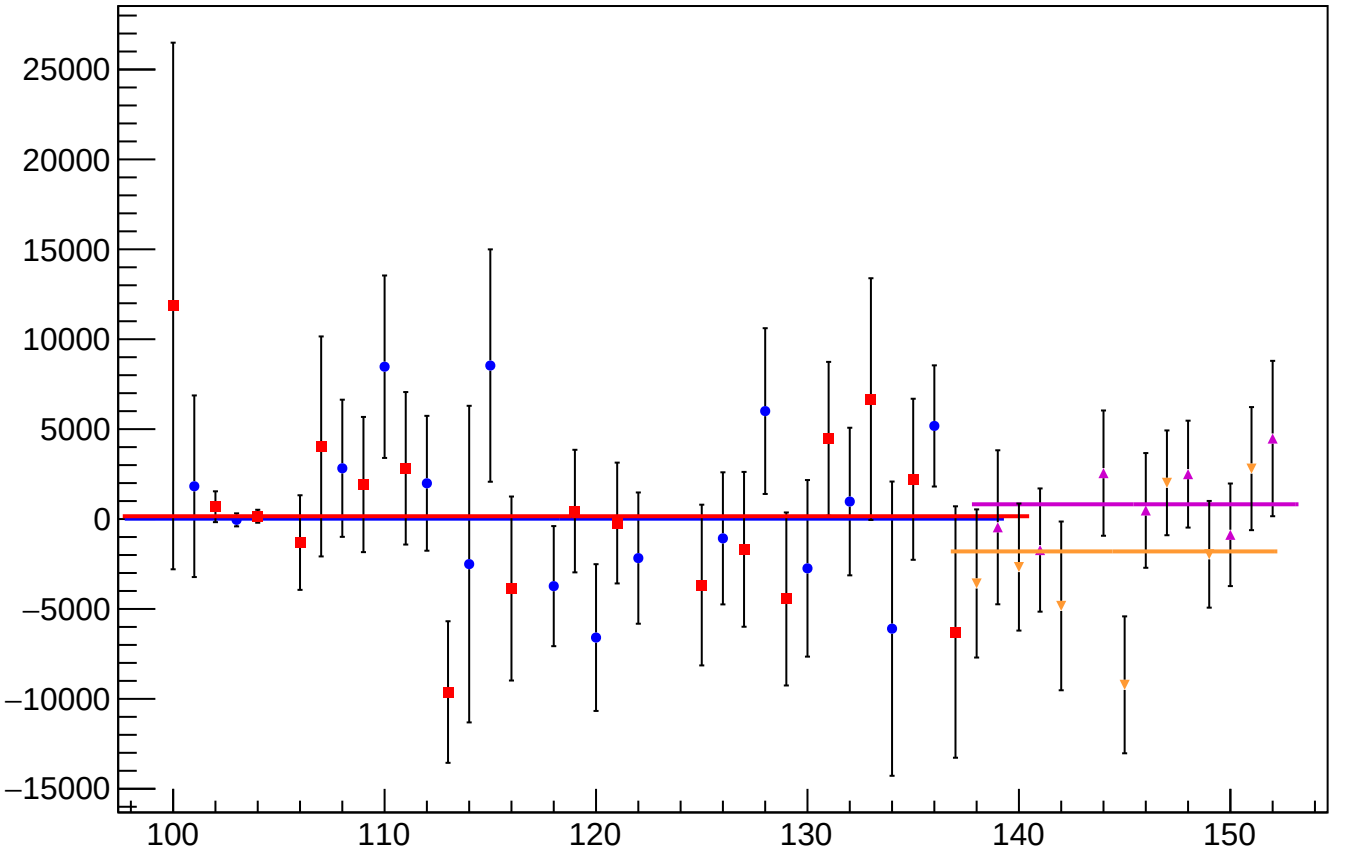
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1134.624+/-0.324 χ^2/NDF:23257.8/6

+ sign 1133.899+/-0.229 χ^2/NDF: 647932.3/22

All: 1135.197+/-0.159 χ^2/NDF: 891934.6/47

- sign 1136.418+/-0.222 χ^2/NDF: 243939.9/24



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -1800.187+/-1324.259 χ^2/NDF:8.0/6

Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

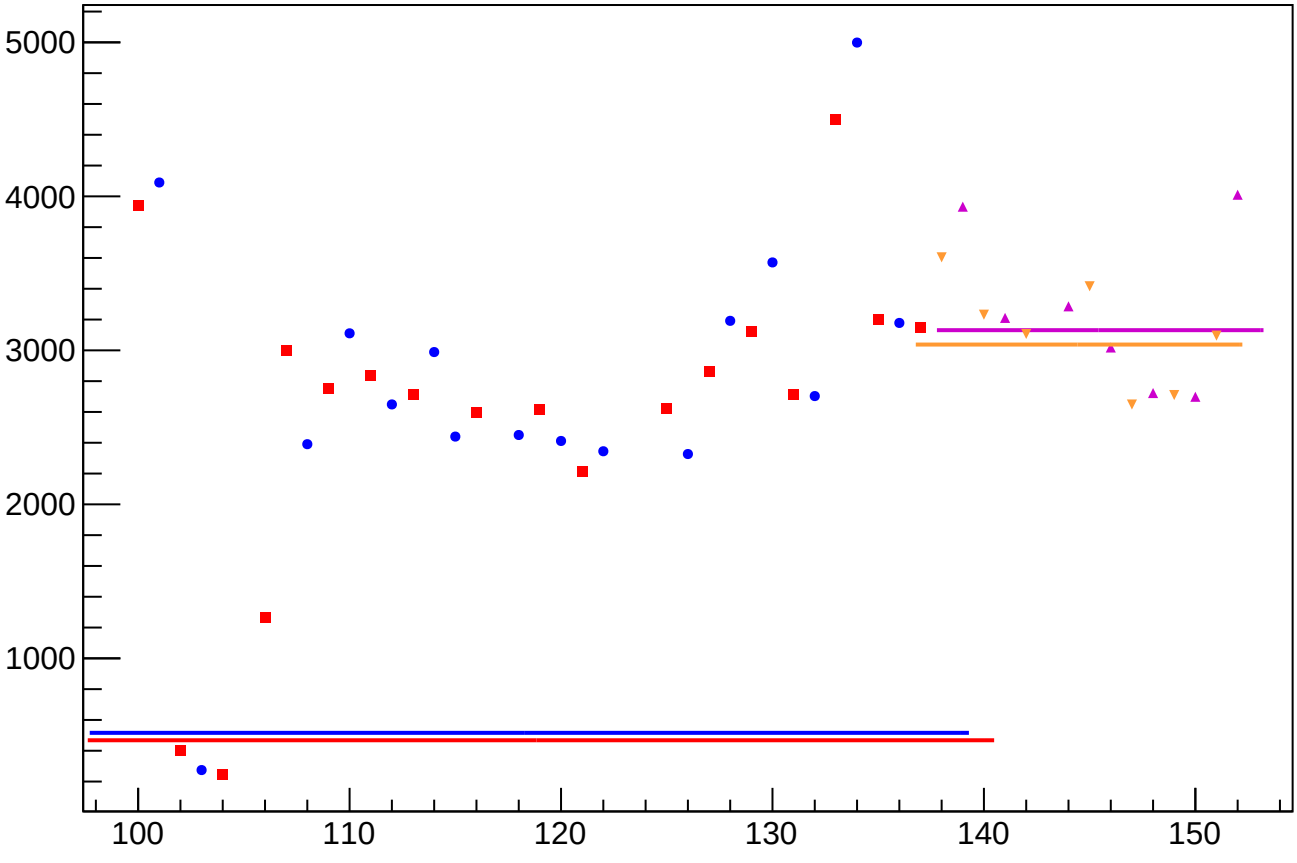
Left In: 820.637+/-1280.323 χ^2/NDF:2.3/6

\+ sign -93.850+/-333.426 χ^2/NDF: 24.6/22

All: 61.820+/-226.262 χ^2/NDF: 41.6/47

\- sign 194.692+/-308.044 χ^2/NDF: 16.5/24

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3037.663+/-0.936 χ^2/NDF:124707.9/6

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

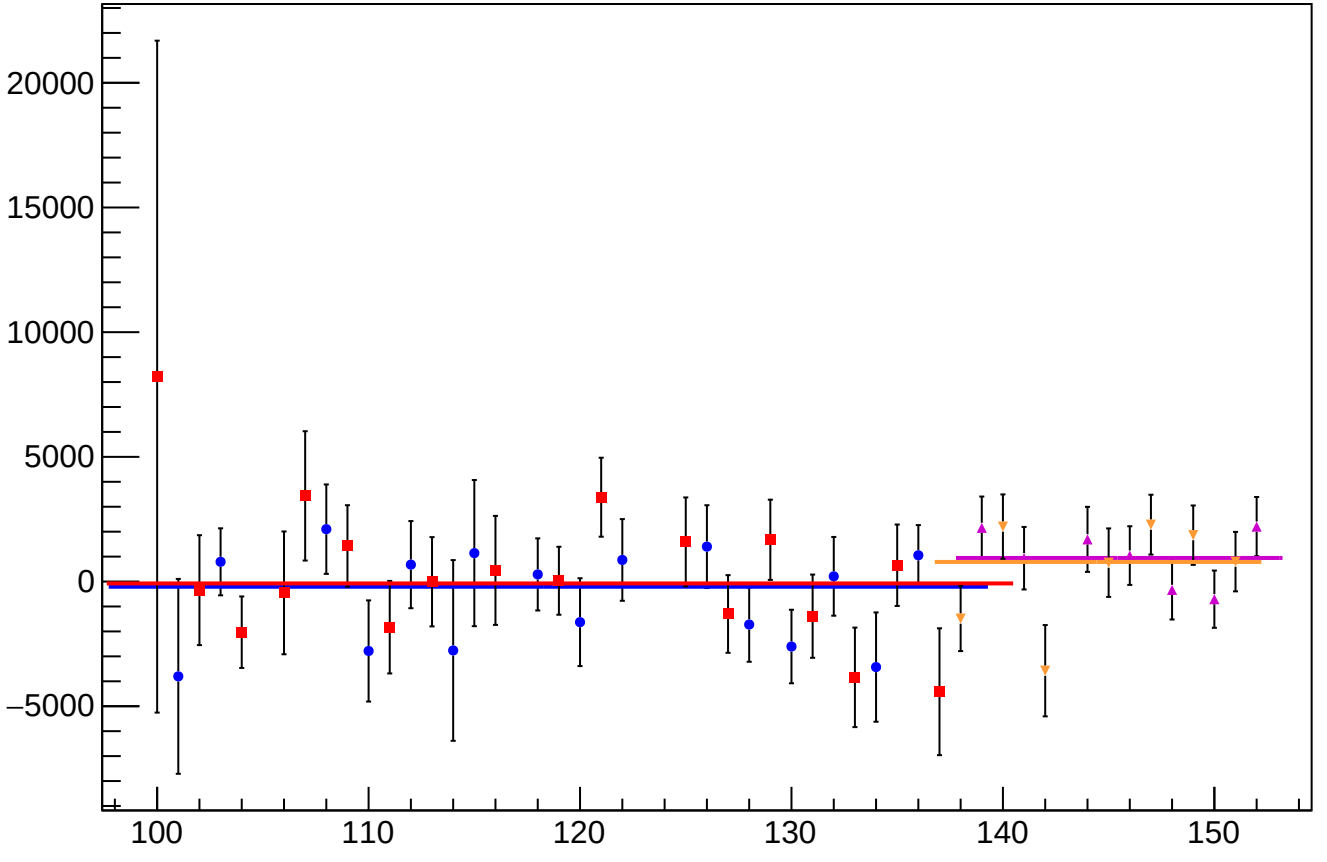
Left In: 3131.081+/-0.905 χ^2/NDF:244249.8/6

+ sign 676.138+/-0.236 χ^2/NDF: 16750048.5/22

All: 647.047+/-0.160 χ^2/NDF: 34285337.8/47

- sign 622.216+/-0.218 χ^2/NDF: 17507069.3/24

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: 786.269+/-492.580 χ^2/NDF:12.3/6

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

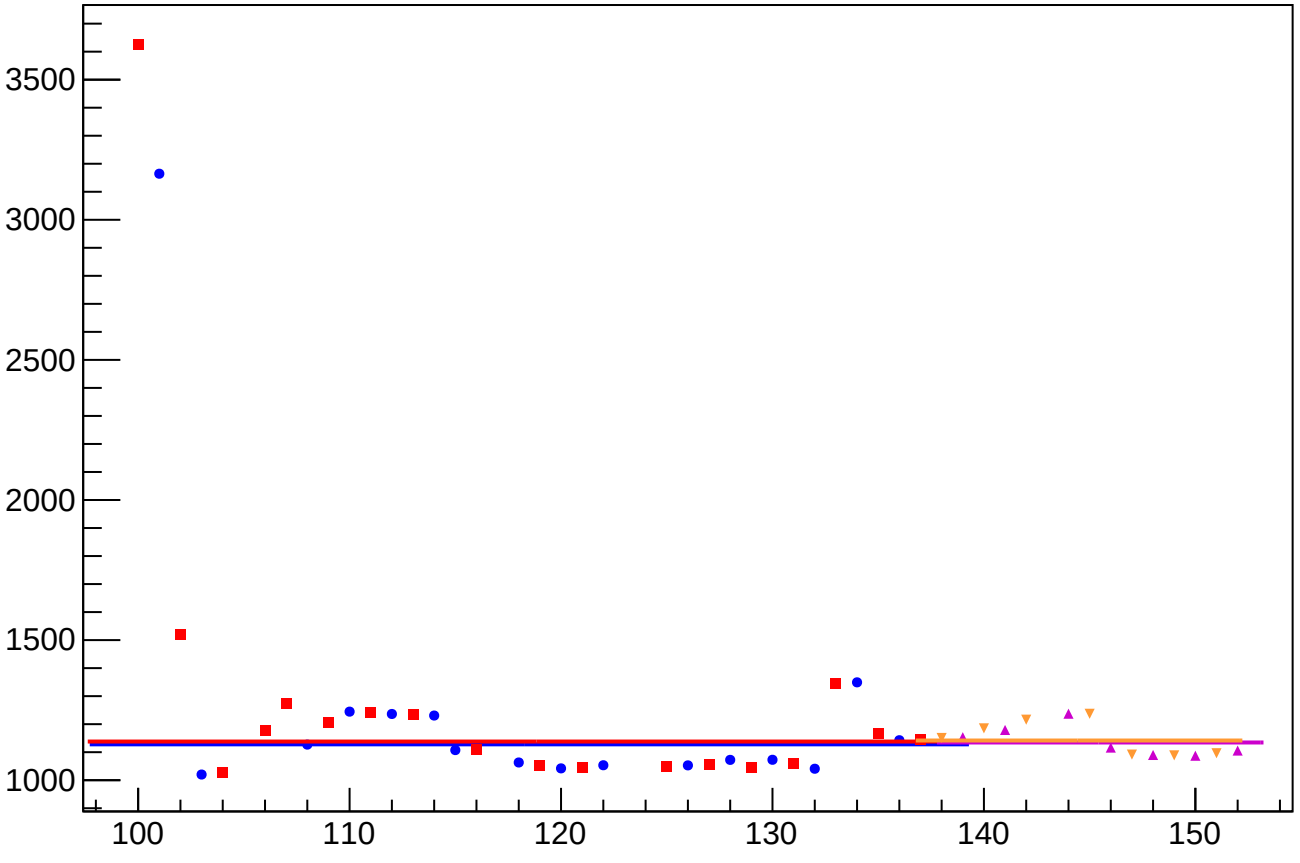
Left In: 945.794+/-458.403 χ^2/NDF:5.6/6

+ sign 220.978+/-323.574 χ^2/NDF: 29.4/22

All: 314.896+/-225.307 χ^2/NDF: 58.4/47

- sign 403.289+/-313.911 χ^2/NDF: 28.9/24

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: 1141.661+/-0.348 χ^2/NDF:25663.0/6

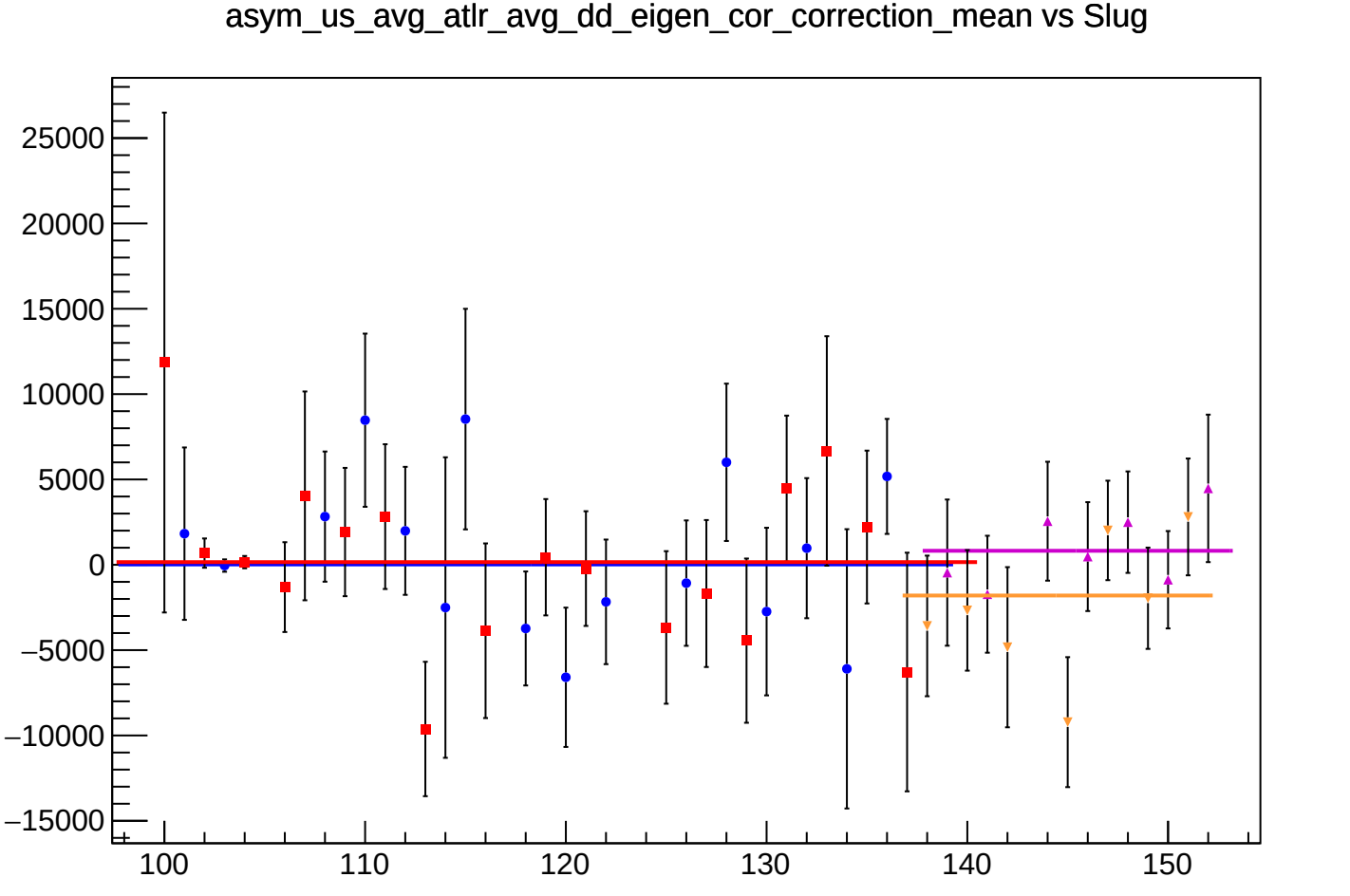
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1134.624+/-0.324 χ^2/NDF:23257.8/6

+ sign 1133.899+/-0.229 χ^2/NDF: 647932.3/22

All: 1135.197+/-0.159 χ^2/NDF: 891934.6/47

- sign 1136.418+/-0.222 χ^2/NDF: 243939.9/24



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -1800.187+/-1324.259 χ^2/NDF:8.0/6

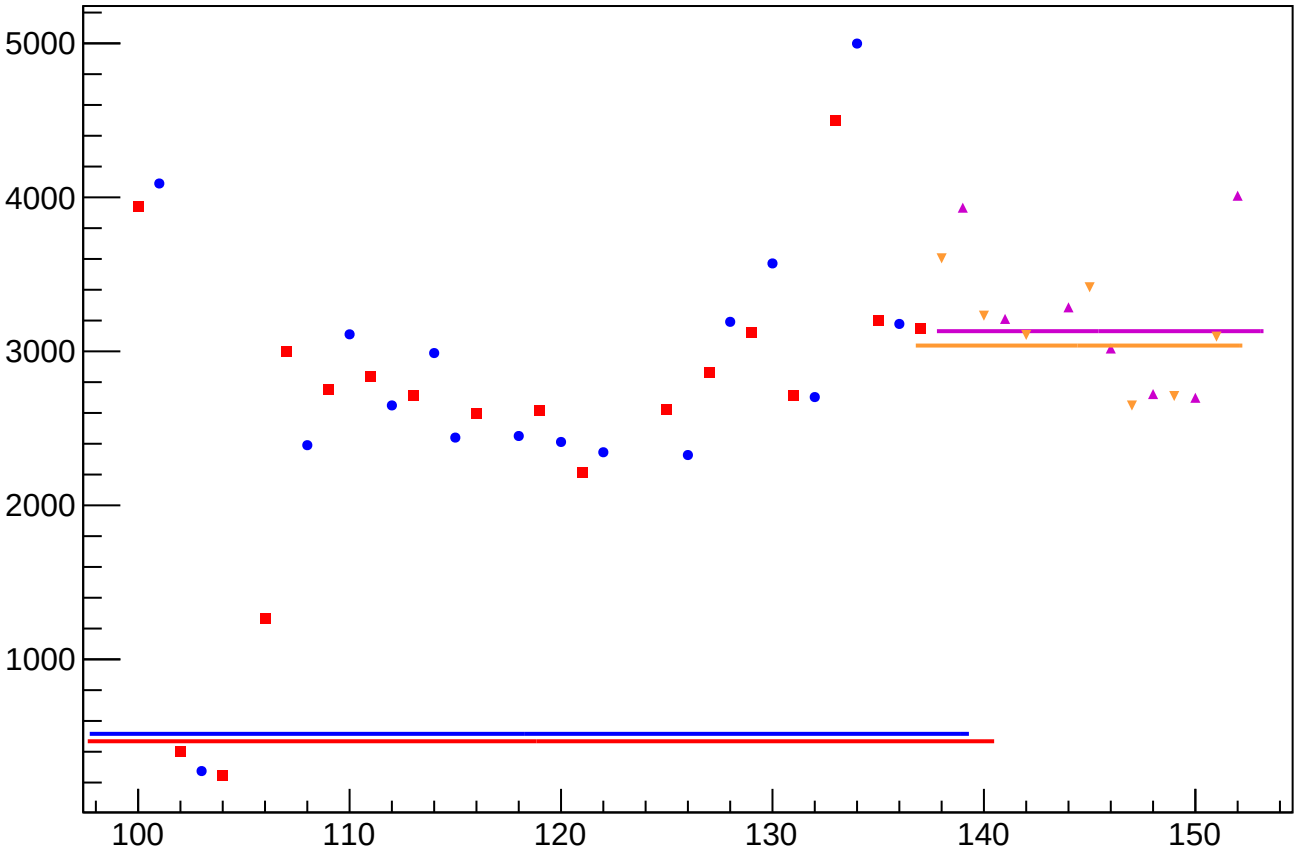
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 820.637+/-1280.323 χ^2/NDF:2.3/6

+ sign -93.850+/-333.426 χ^2/NDF: 24.6/22

All: 61.820+/-226.262 χ^2/NDF: 41.6/47

- sign 194.692+/-308.044 χ^2/NDF: 16.5/24



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3037.663+/-0.936 χ^2/NDF:124707.9/6

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

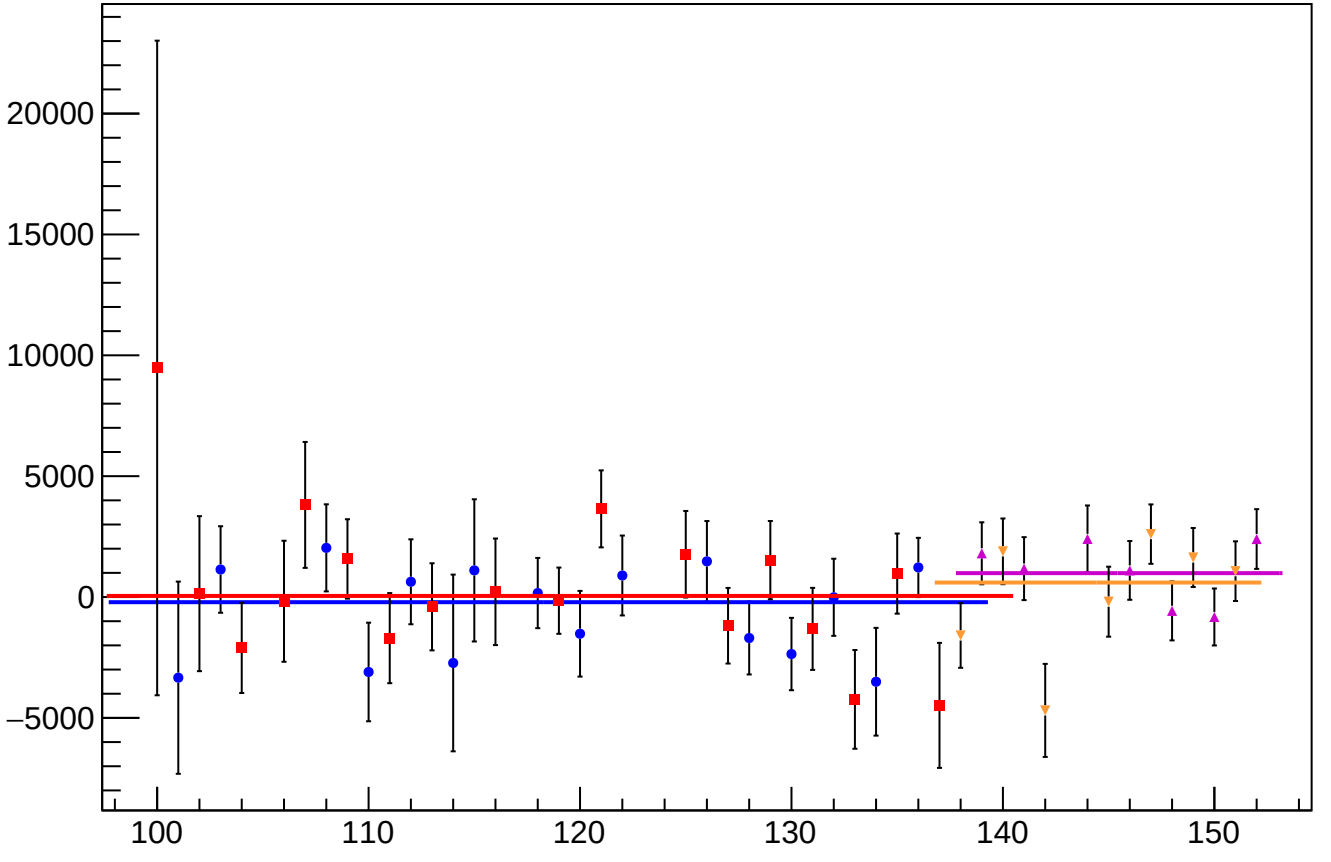
Left In: 3131.081+/-0.905 χ^2/NDF:244249.8/6

+ sign 676.138+/-0.236 χ^2/NDF: 16750048.5/22

All: 647.047+/-0.160 χ^2/NDF: 34285337.8/47

- sign 622.216+/-0.218 χ^2/NDF: 17507069.3/24

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 599.341+/-510.576 χ^2/NDF:15.0/6

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

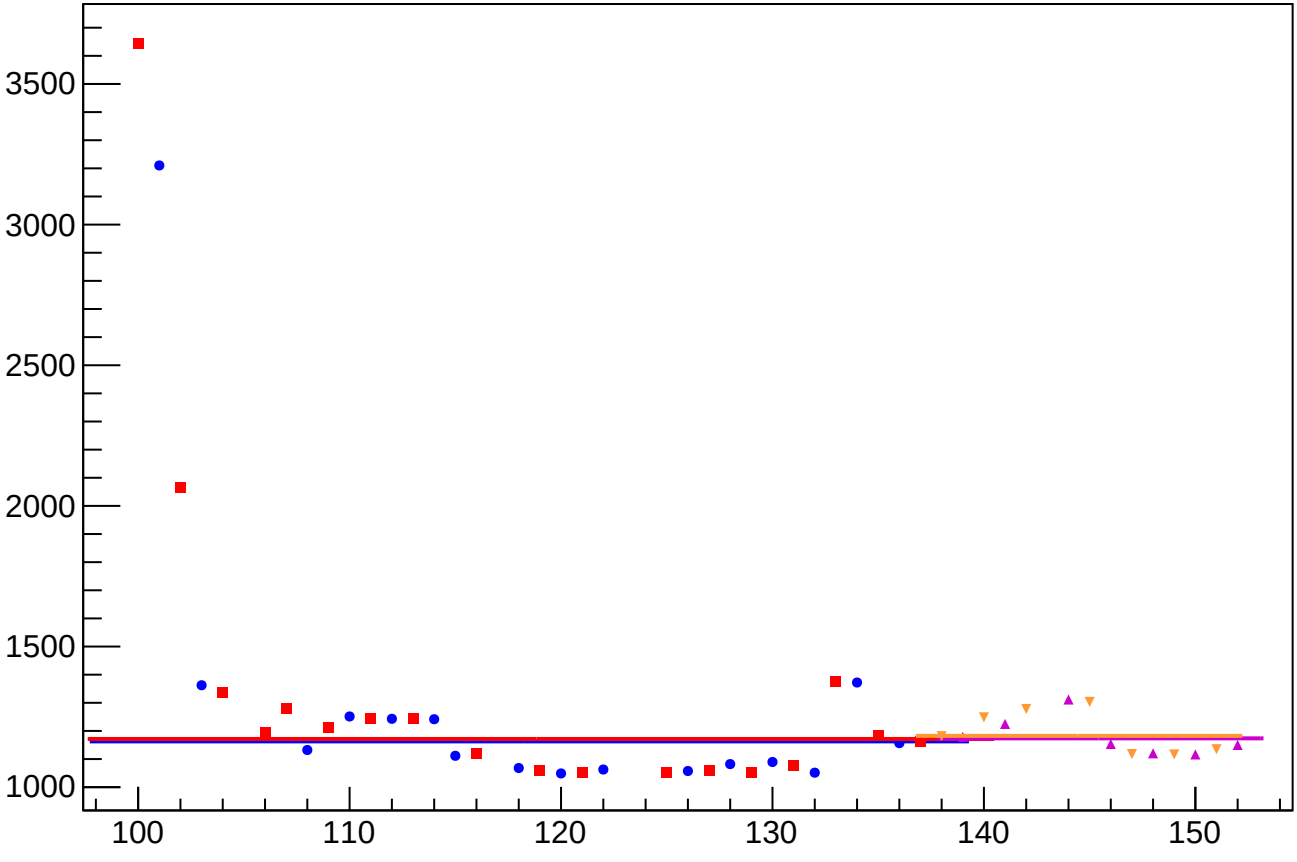
Left In: 988.716+/-474.396 χ^2/NDF:6.8/6

+ sign 135.561+/-334.472 χ^2/NDF: 30.7/22

All: 317.304+/-233.240 χ^2/NDF: 61.8/47

- sign 489.338+/-325.416 χ^2/NDF: 30.5/24

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1182.491+/-0.361 χ^2/NDF:37875.6/6

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

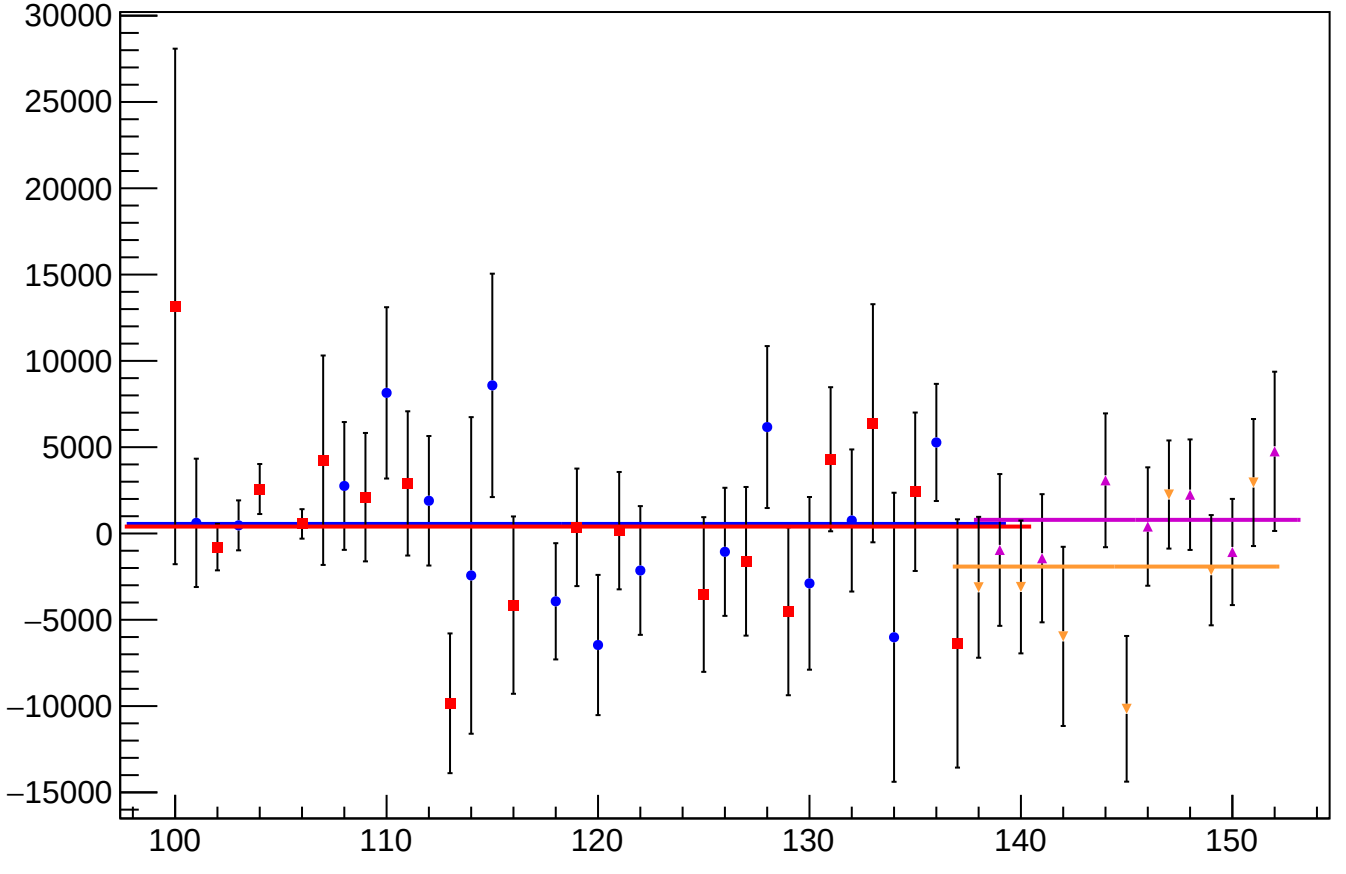
Left In: 1173.598+/-0.335 χ^2/NDF:32858.0/6

\+ sign 1171.279+/-0.237 χ^2/NDF: 674918.2/22

All: 1171.878+/-0.165 χ^2/NDF: 1039451.9/47

\- sign 1172.445+/-0.230 χ^2/NDF: 364521.2/24

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -1917.869+/-1421.969 χ^2/NDF:8.1/6

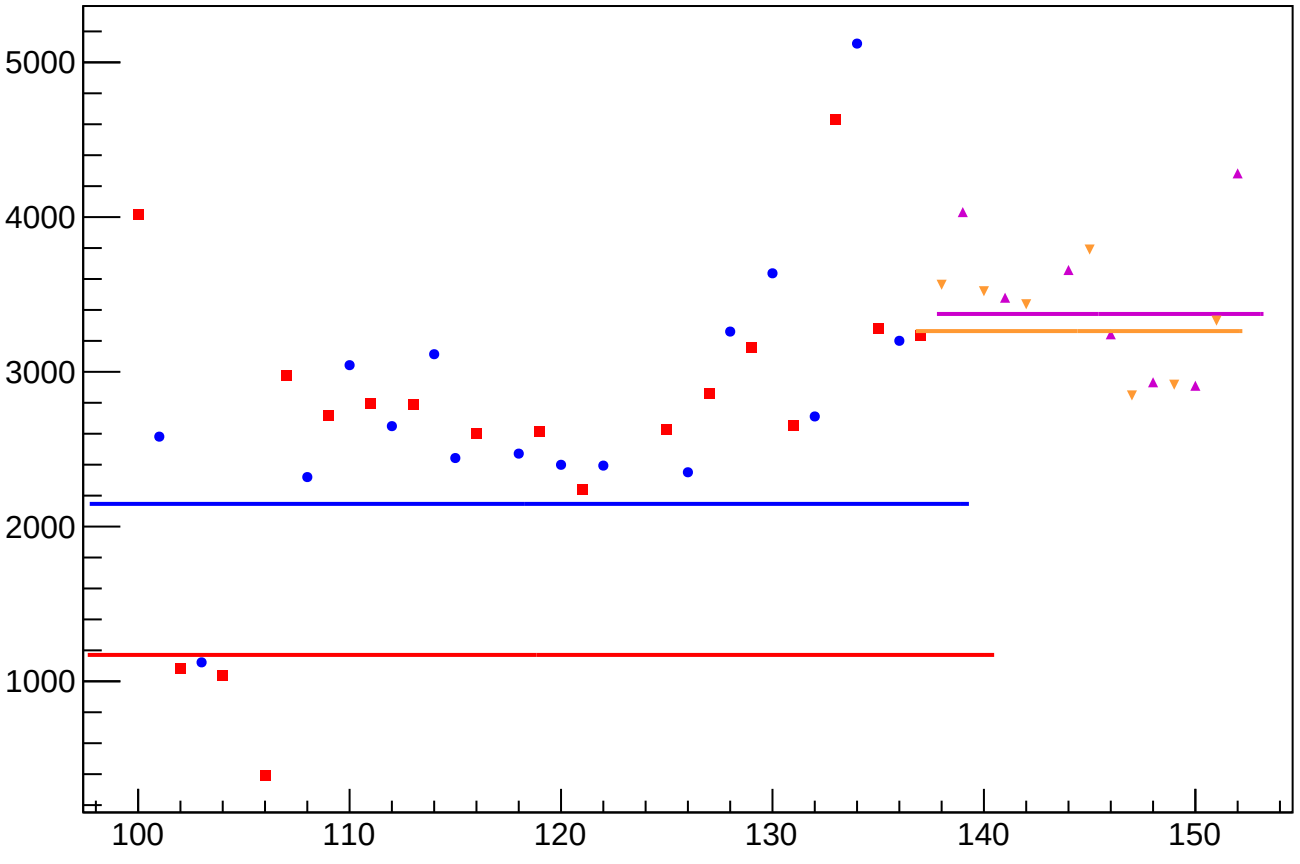
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 789.445+/-1378.800 χ^2/NDF:2.2/6

+ sign -124.998+/-744.676 χ^2/NDF: 24.7/22

All: 264.181+/-428.264 χ^2/NDF: 44.1/47

- sign 456.510+/-523.498 χ^2/NDF: 18.9/24



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3263.328+/-1.005 χ^2/NDF:112571.9/6

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

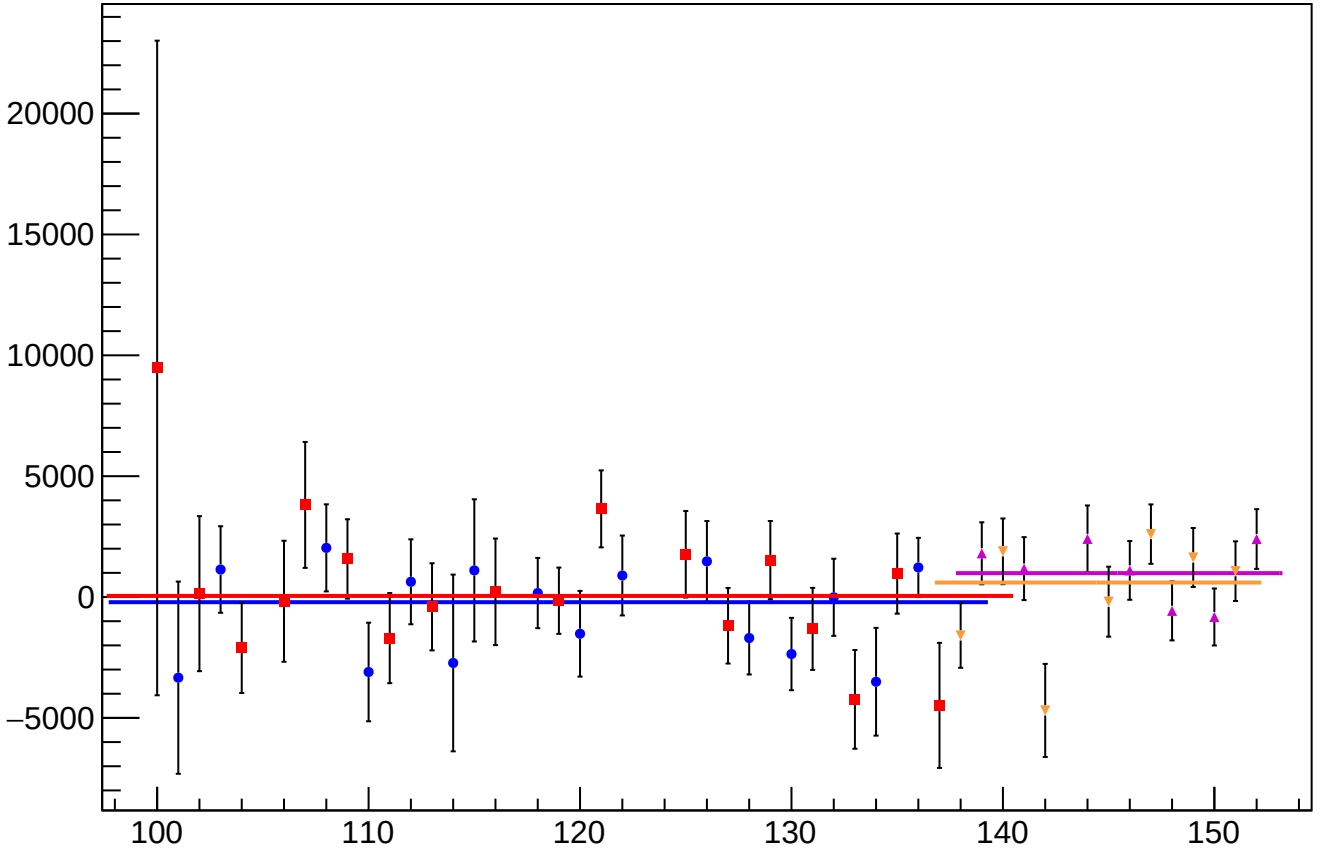
Left In: 3374.052+/-0.975 χ^2/NDF:221189.8/6

+ sign 2452.880+/-0.527 χ^2/NDF: 2982488.1/22

All: 1807.270+/-0.303 χ^2/NDF: 15638929.1/4

- sign 1488.214+/-0.370 χ^2/NDF: 10410271.1/24

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 599.335+/-510.576 χ^2/NDF:15.0/6

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

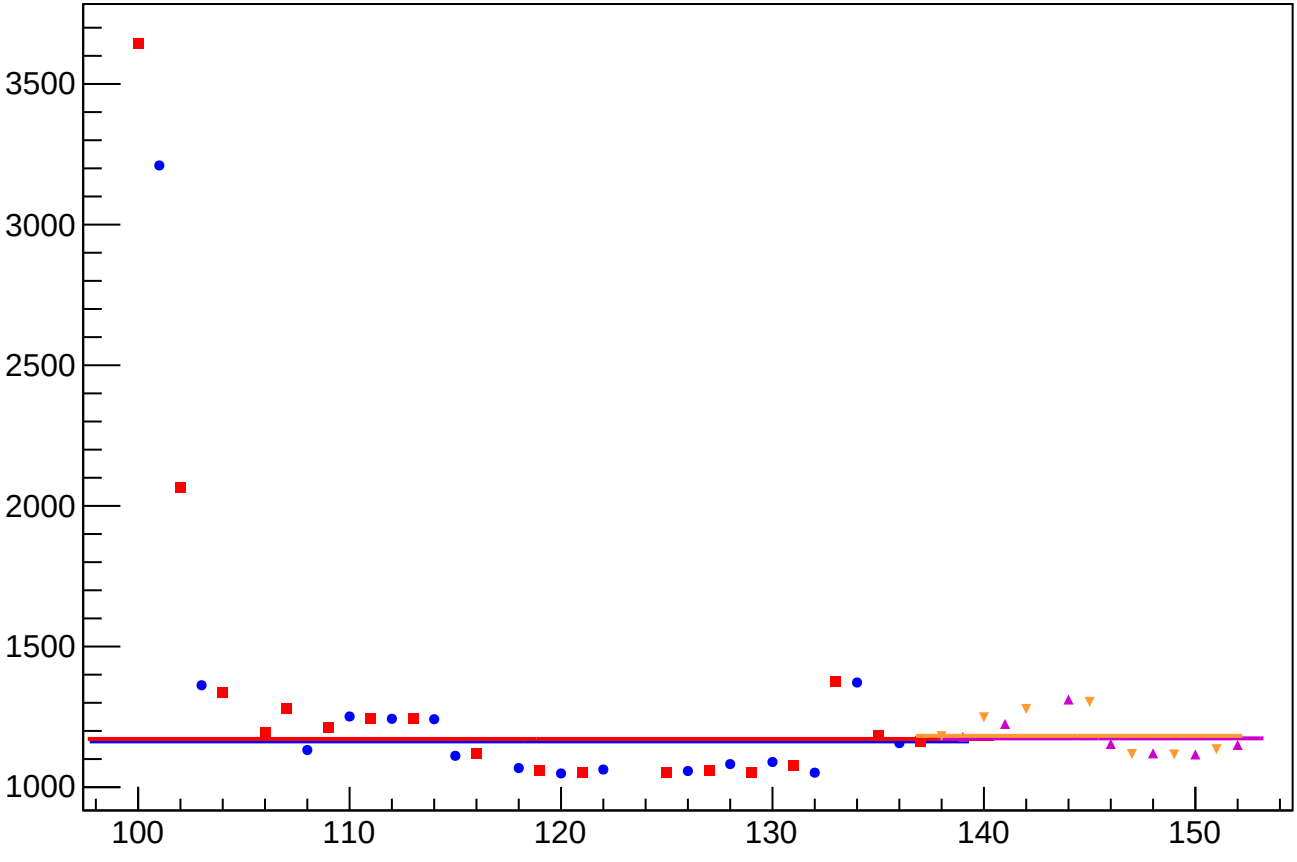
Left In: 988.713+/-474.397 χ^2/NDF:6.8/6

\+ sign 135.557+/-334.472 χ^2/NDF: 30.7/22

All: 317.302+/-233.240 χ^2/NDF: 61.8/47

\- sign 489.338+/-325.416 χ^2/NDF: 30.5/24

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: 1182.491+/-0.361 χ^2/NDF:37876.0/6

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

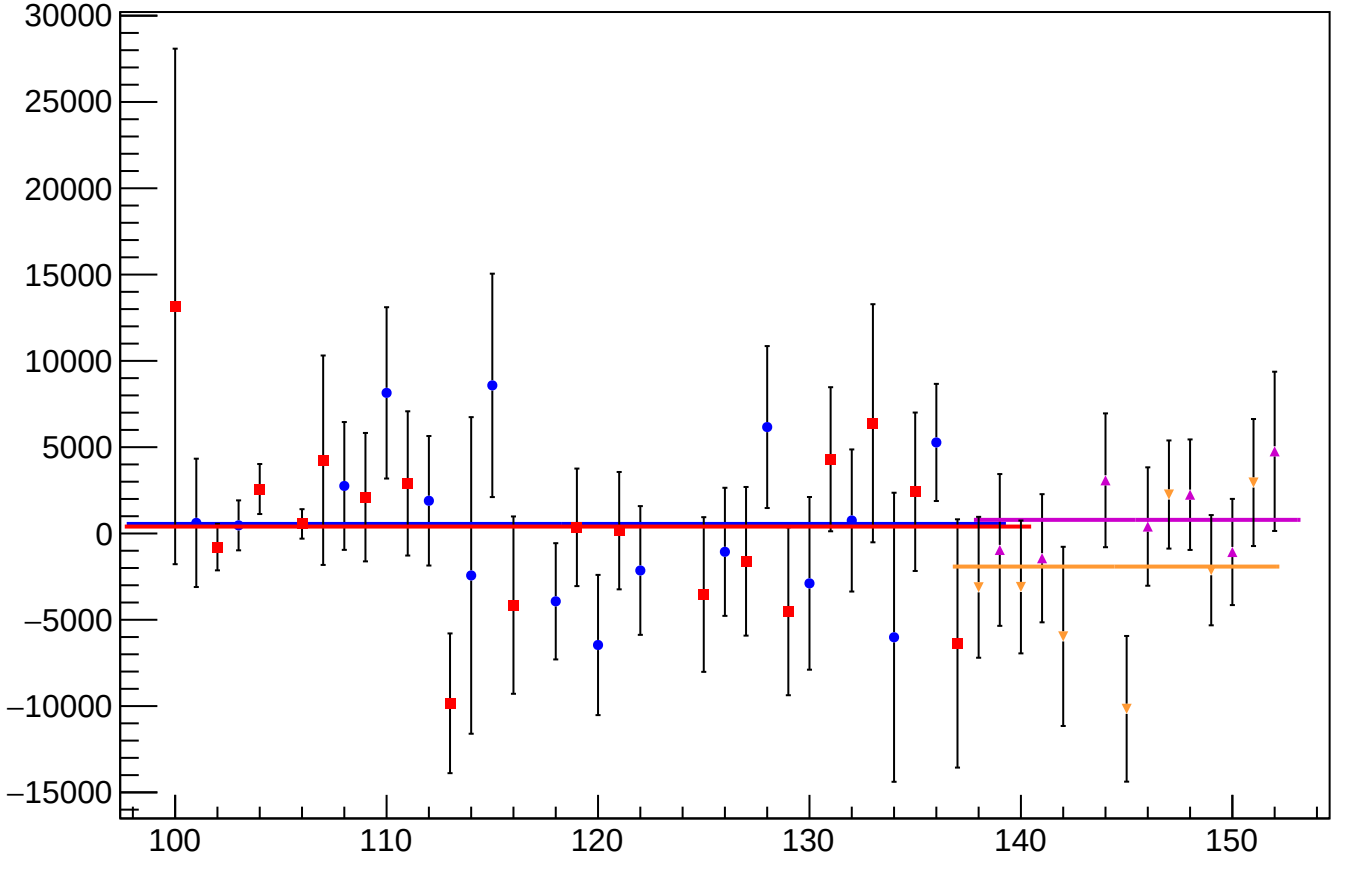
Left In: 1173.599+/-0.335 χ^2/NDF:32858.2/6

+ sign 1171.280+/-0.237 χ^2/NDF: 674919.0/22

All: 1171.878+/-0.165 χ^2/NDF: 1039452.4/47

- sign 1172.445+/-0.230 χ^2/NDF: 364521.0/24

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -1917.873+/-1421.971 χ^2/NDF:8.1/6

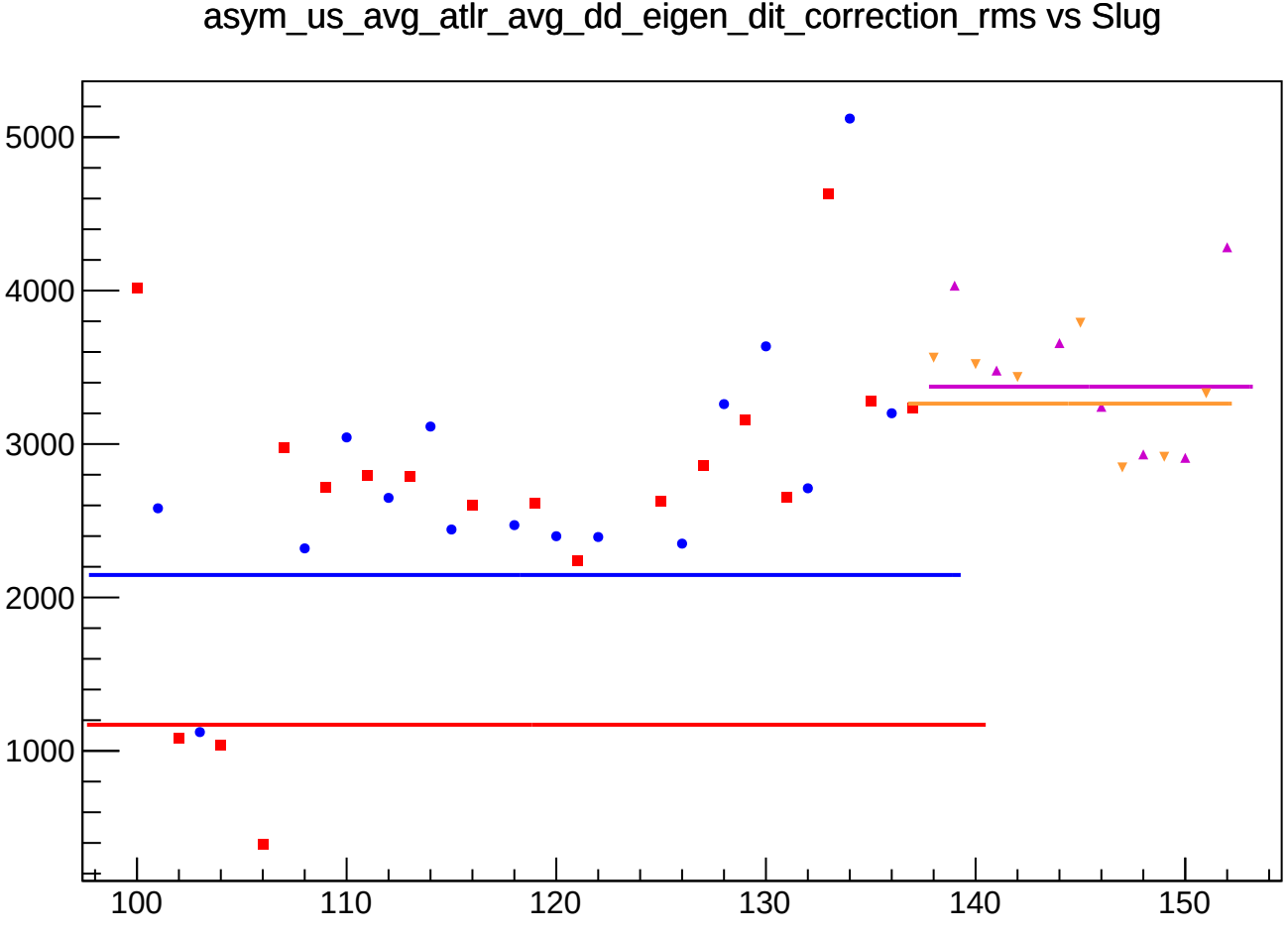
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 789.442+/-1378.801 χ^2/NDF:2.2/6

\+ sign -125.001+/-744.675 χ^2/NDF: 24.7/22

All: 264.182+/-428.261 χ^2/NDF: 44.1/47

\- sign 456.509+/-523.493 χ^2/NDF: 18.9/24



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3263.332+/-1.005 χ^2/NDF:112573.0/6

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

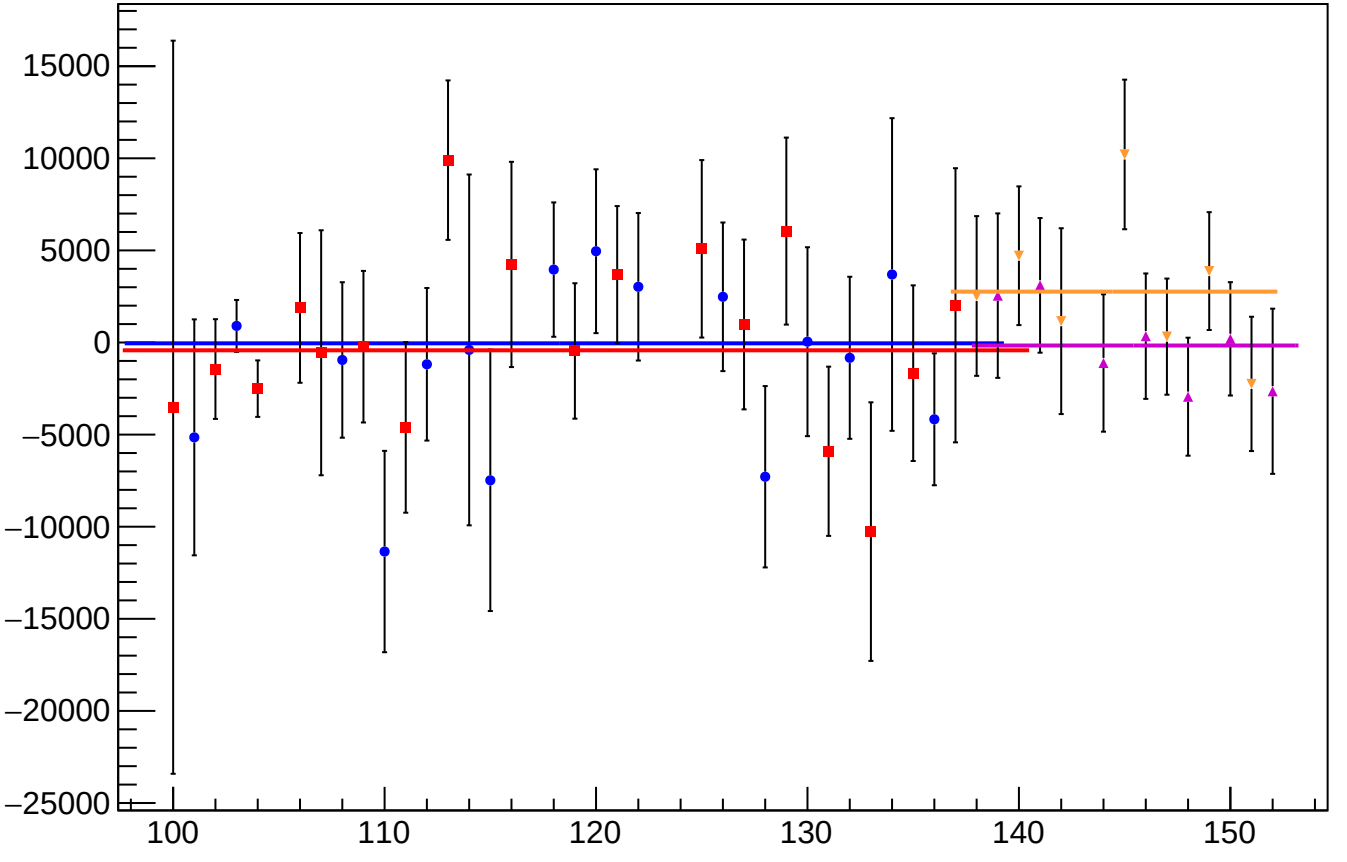
Left In: 3374.056+/-0.975 χ^2/NDF:221190.5/6

+ sign 2452.877+/-0.527 χ^2/NDF: 2982494.8/22

All: 1807.247+/-0.303 χ^2/NDF: 15639305.1/4

- sign 1488.188+/-0.370 χ^2/NDF: 10410511.4/24

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 2761.615+/-1418.105 χ^2/NDF:6.3/6

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

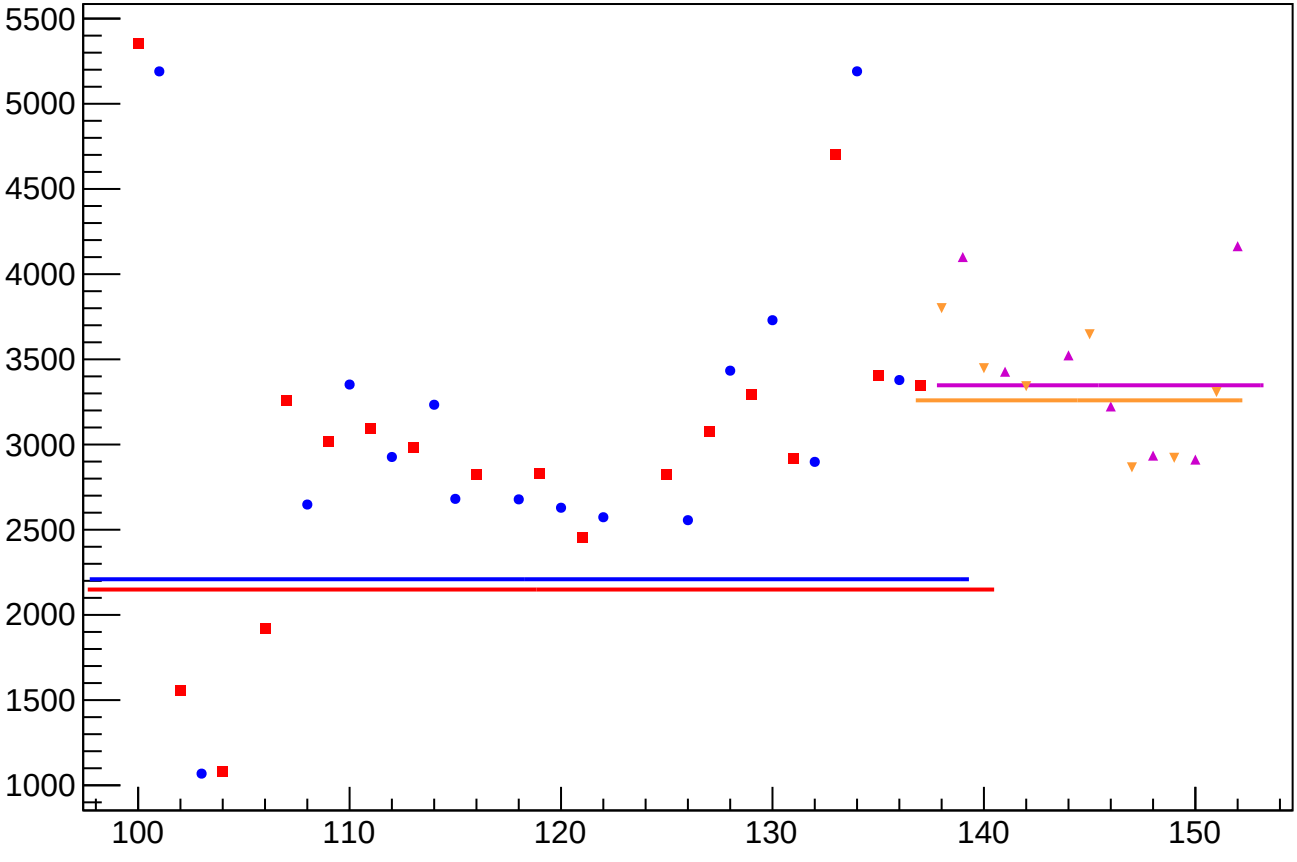
Left In: -163.447+/-1365.784 χ^2/NDF:2.3/6

\+ sign 787.375+/-772.242 χ^2/NDF: 22.9/22

All: 204.270+/-537.875 χ^2/NDF: 43.7/47

\- sign -345.148+/-749.603 χ^2/NDF: 19.7/24

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3259.322+/-1.003 χ^2/NDF:108647.0/6

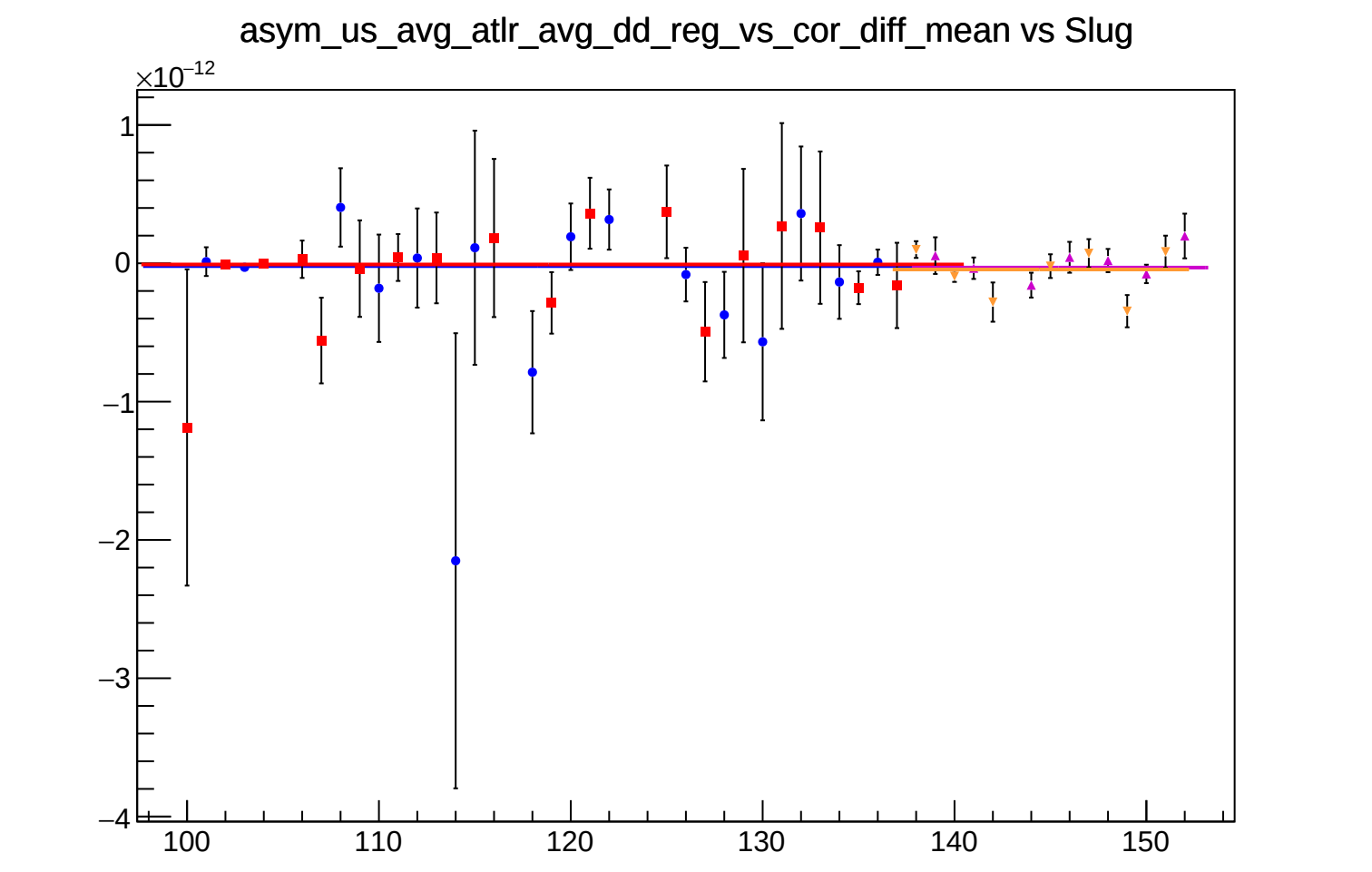
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3347.713+/-0.966 χ^2/NDF:204606.0/6

+ sign 2520.712+/-0.546 χ^2/NDF: 3716792.6/22

All: 2514.592+/-0.380 χ^2/NDF: 7269488.6/47

- sign 2508.845+/-0.529 χ^2/NDF: 3552452.4/24


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
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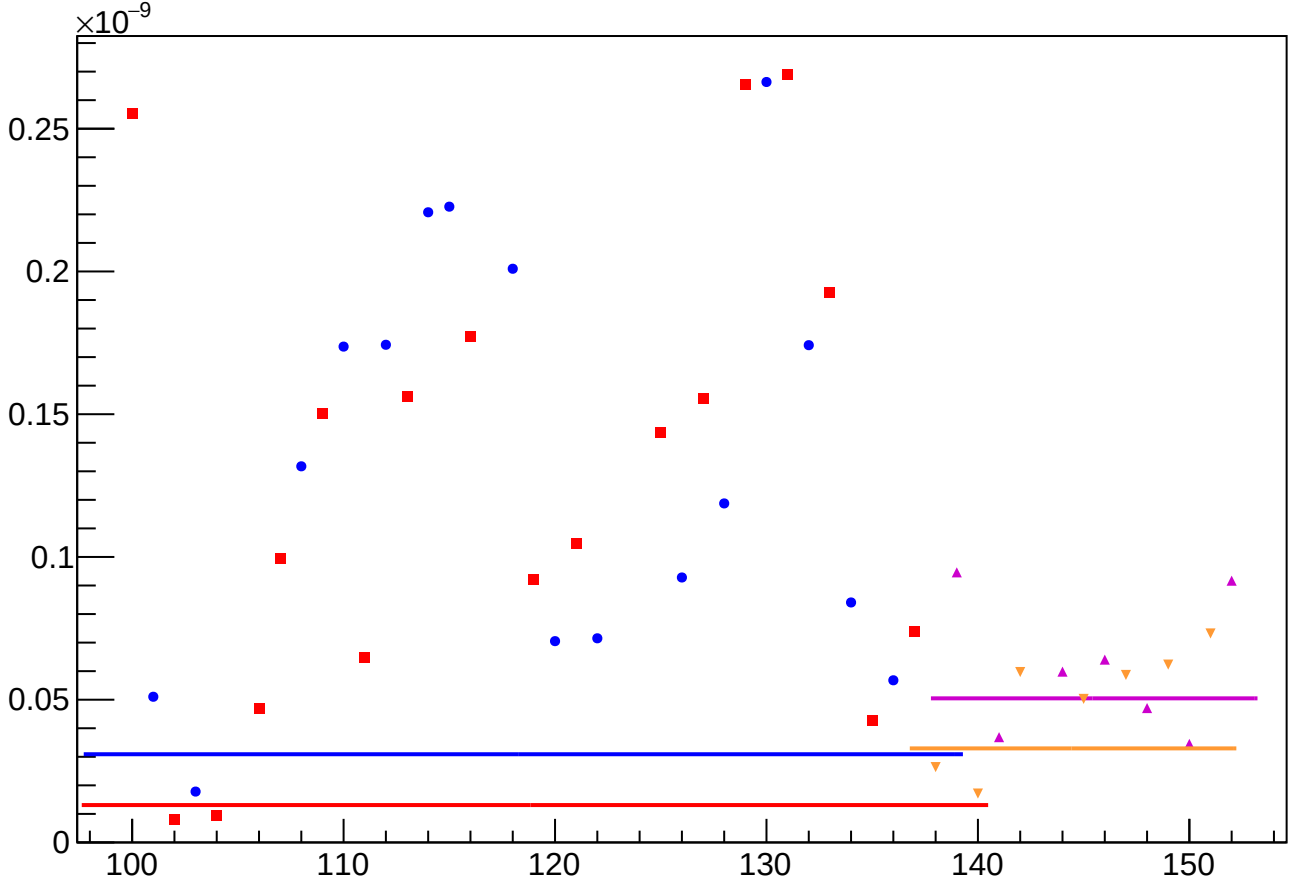
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:19.2/6
Right Out: -0.000+/-0.000 χ²/NDF: 14.0/17
Left In: -0.000+/-0.000 χ²/NDF:5.7/6
+ sign -0.000+/-0.000 χ²/NDF: 33.3/22
All: -0.000+/-0.000 χ²/NDF: 54.1/47
- sign -0.000+/-0.000 χ²/NDF: 20.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:969674.3/6

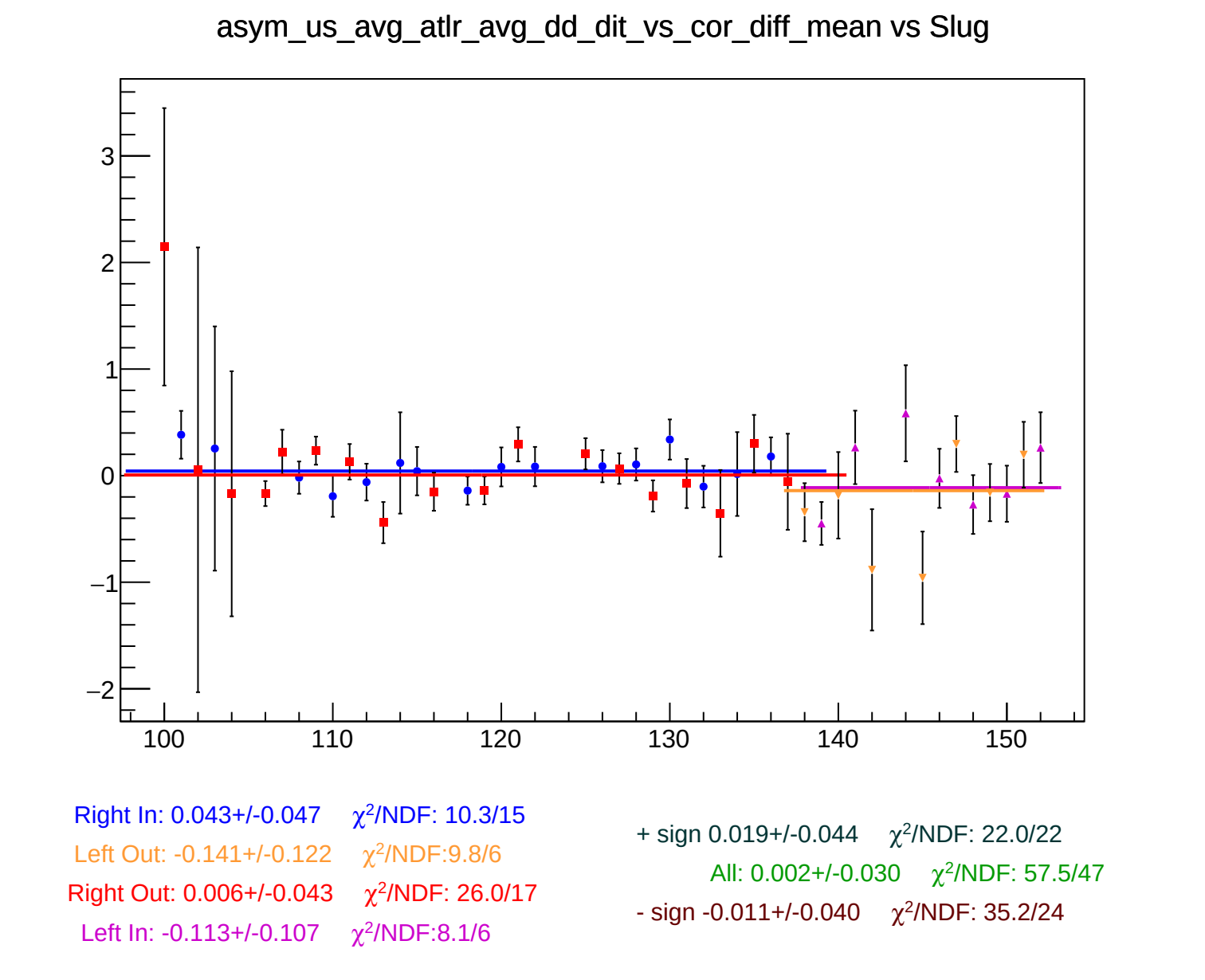
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

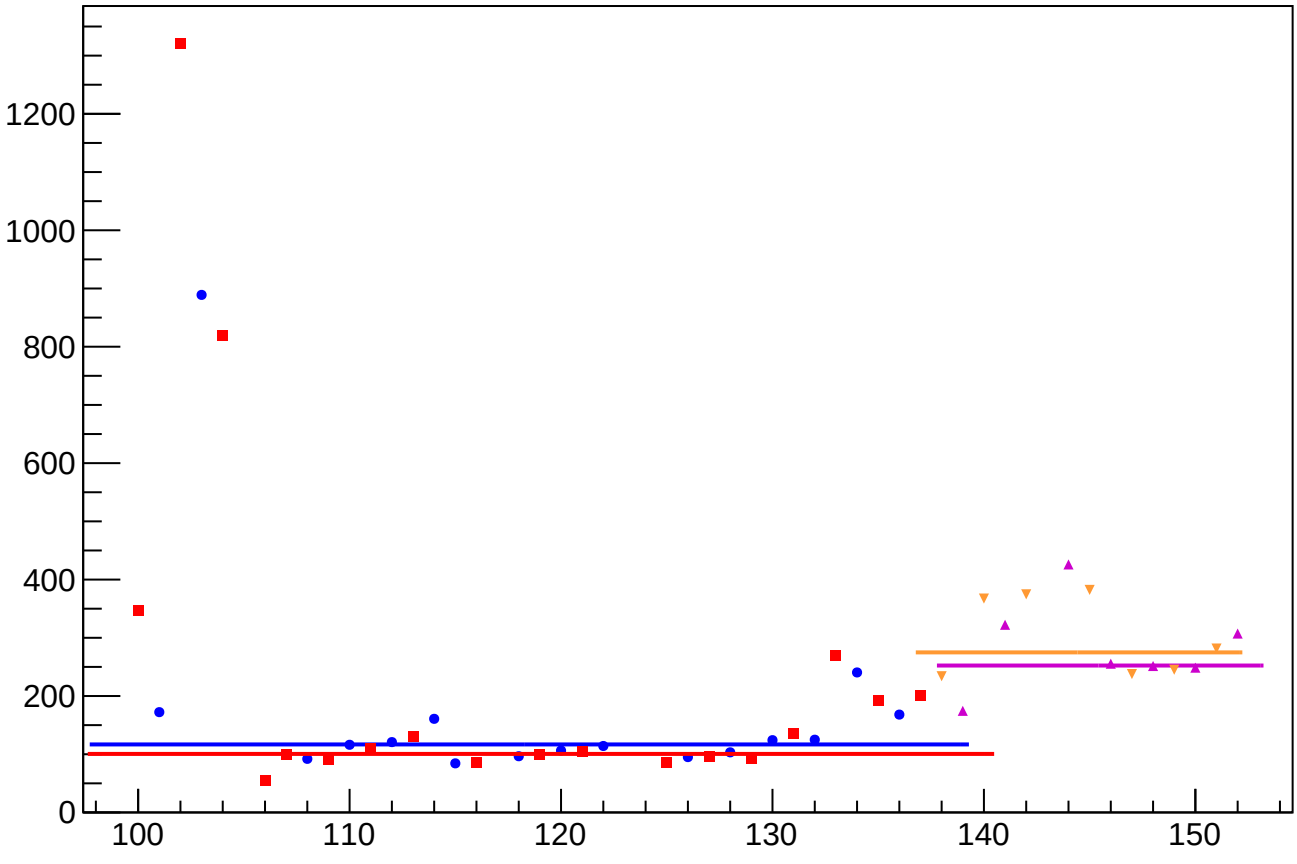
Left In: 0.000+/-0.000 χ^2/NDF:582704.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 3974171.4/22

All: 0.000+/-0.000 χ^2/NDF: 10799766.9/47

- sign 0.000+/-0.000 χ^2/NDF: 6206616.5/24


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: -0.141+/-0.122 χ²/NDF:9.8/6
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.113+/-0.107 χ²/NDF:8.1/6
+ sign 0.019+/-0.044 χ²/NDF: 22.0/22
All: 0.002+/-0.030 χ²/NDF: 57.5/47
- sign -0.011+/-0.040 χ²/NDF: 35.2/24



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 274.949+/-0.086 χ^2/NDF:398486.1/6

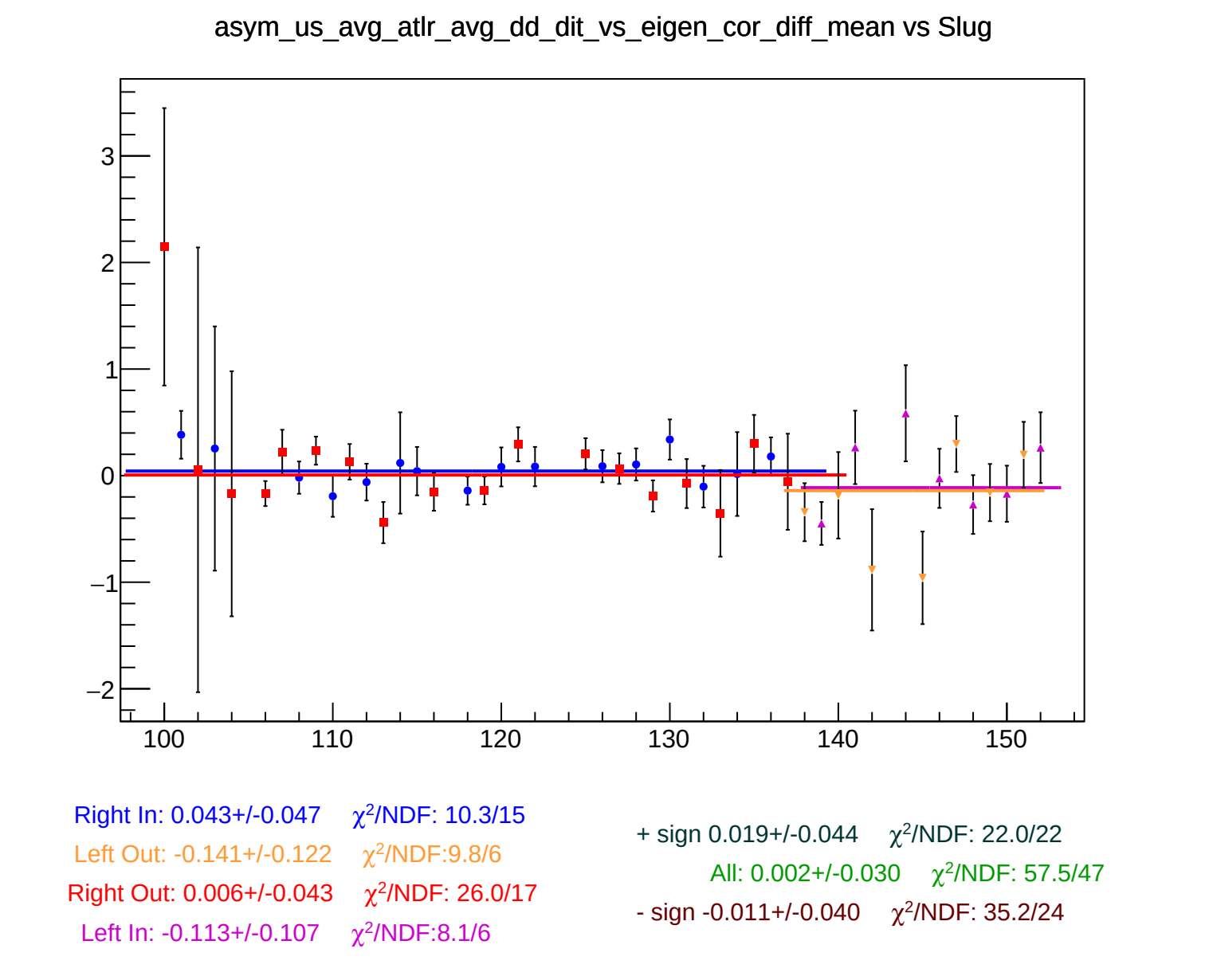
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 252.367+/-0.076 χ^2/NDF:733162.8/6

+ sign 137.531+/-0.031 χ^2/NDF: 4923143.8/22

All: 129.043+/-0.021 χ^2/NDF: 11923302.5/47

- sign 122.041+/-0.028 χ^2/NDF: 6865877.4/24


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
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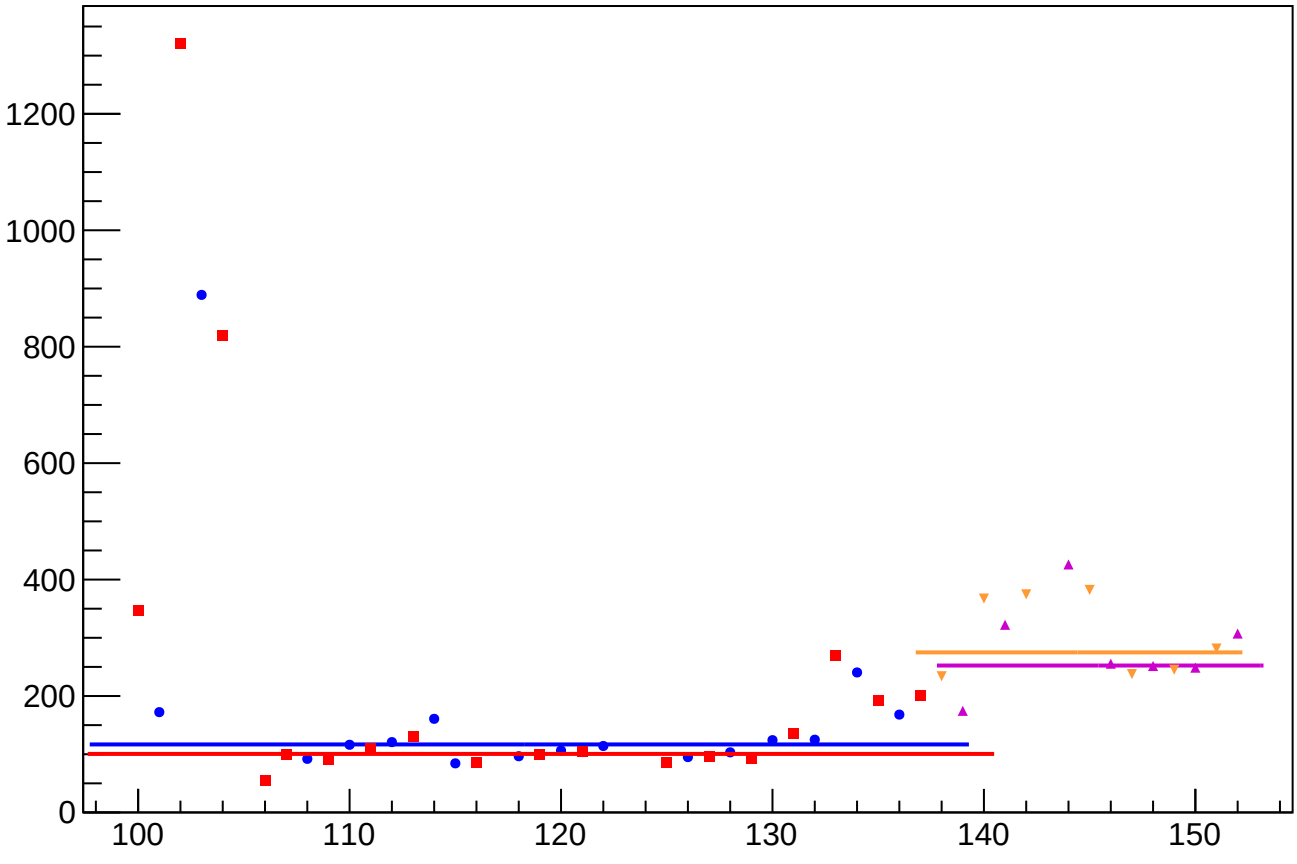
0
−1
−2
100
110
120
130
140
150
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.141+/-0.122 χ²/NDF:9.8/6
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.113+/-0.107 χ²/NDF:8.1/6
+ sign 0.019+/-0.044 χ²/NDF: 22.0/22
All: 0.002+/-0.030 χ²/NDF: 57.5/47
- sign -0.011+/-0.040 χ²/NDF: 35.2/24



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 274.949+/-0.086 χ^2/NDF:398486.1/6

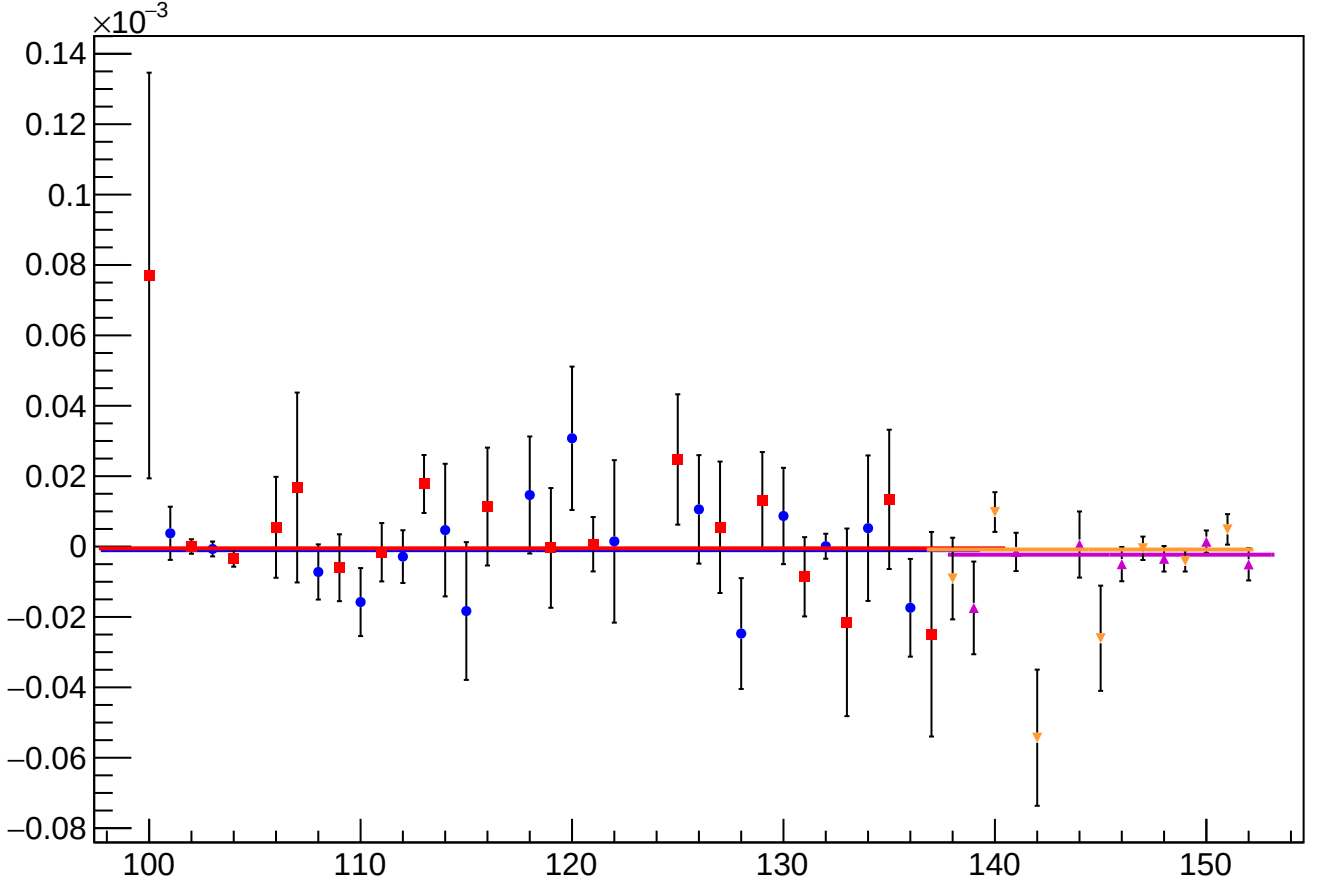
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 252.367+/-0.076 χ^2/NDF:733162.8/6

+ sign 137.531+/-0.031 χ^2/NDF: 4923143.8/22

All: 129.043+/-0.021 χ^2/NDF: 11923302.5/47

- sign 122.041+/-0.028 χ^2/NDF: 6865877.4/24



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/6

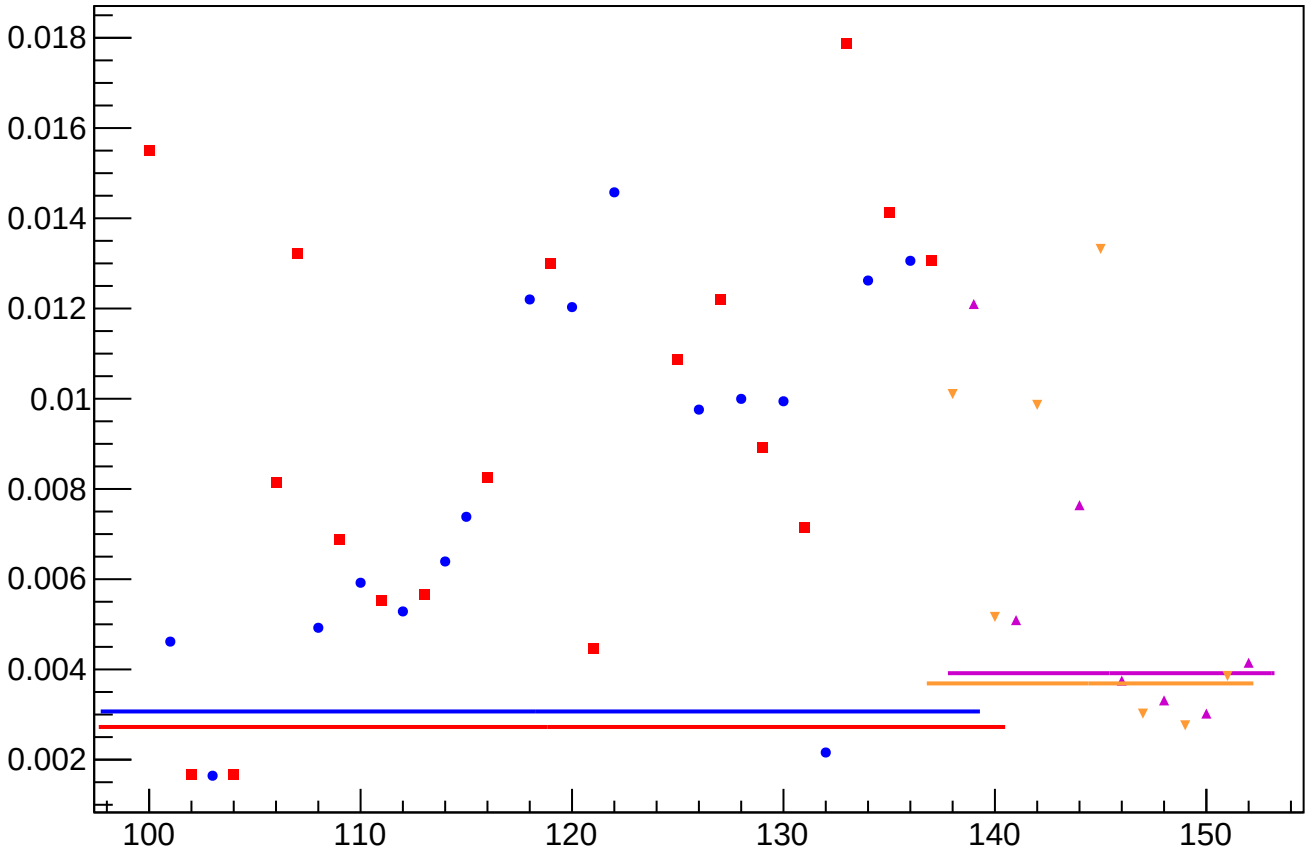
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:3.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/22

All: -0.000+/-0.000 χ^2/NDF: 49.3/47

- sign -0.000+/-0.000 χ^2/NDF: 19.2/24



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2054837.0/6

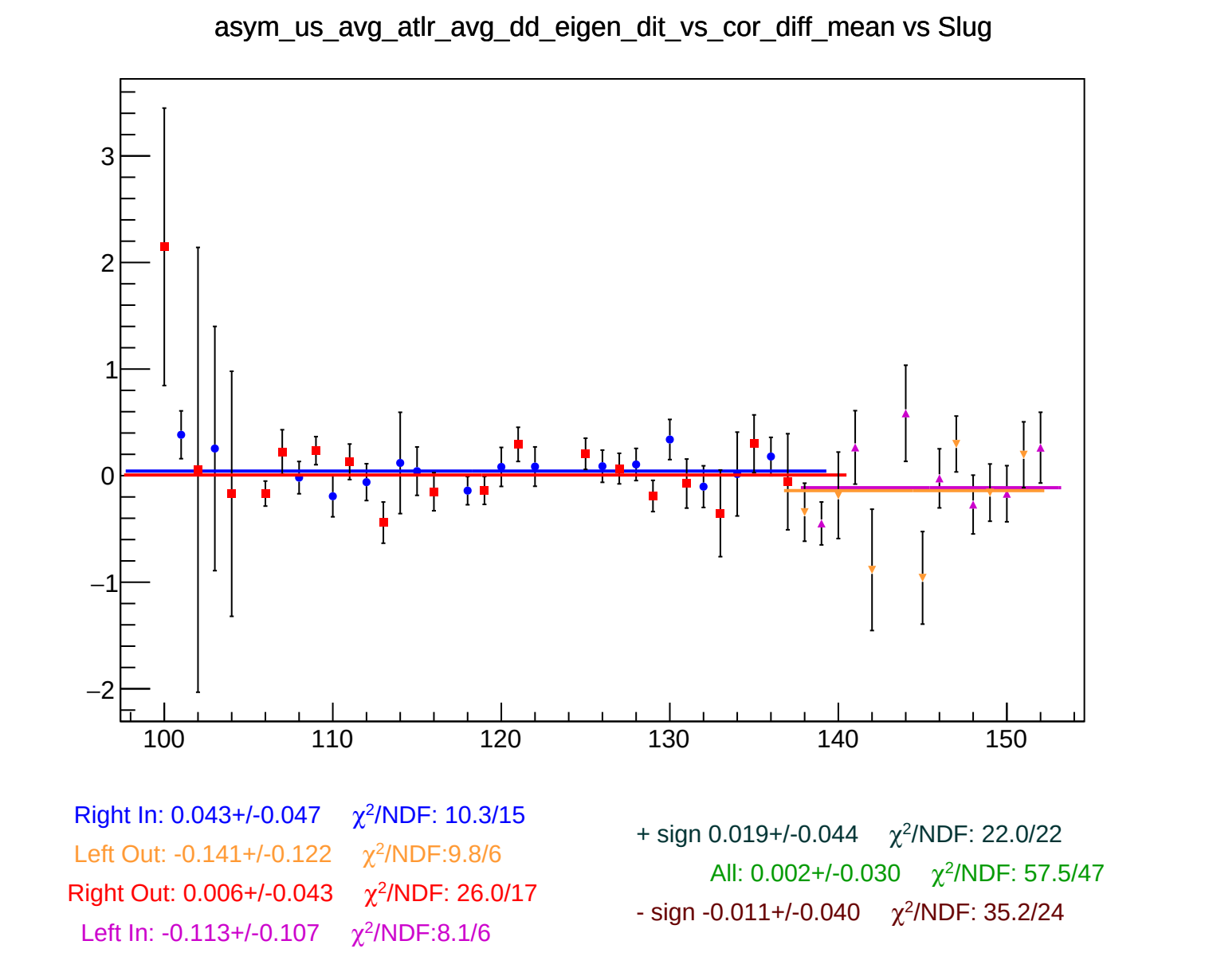
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

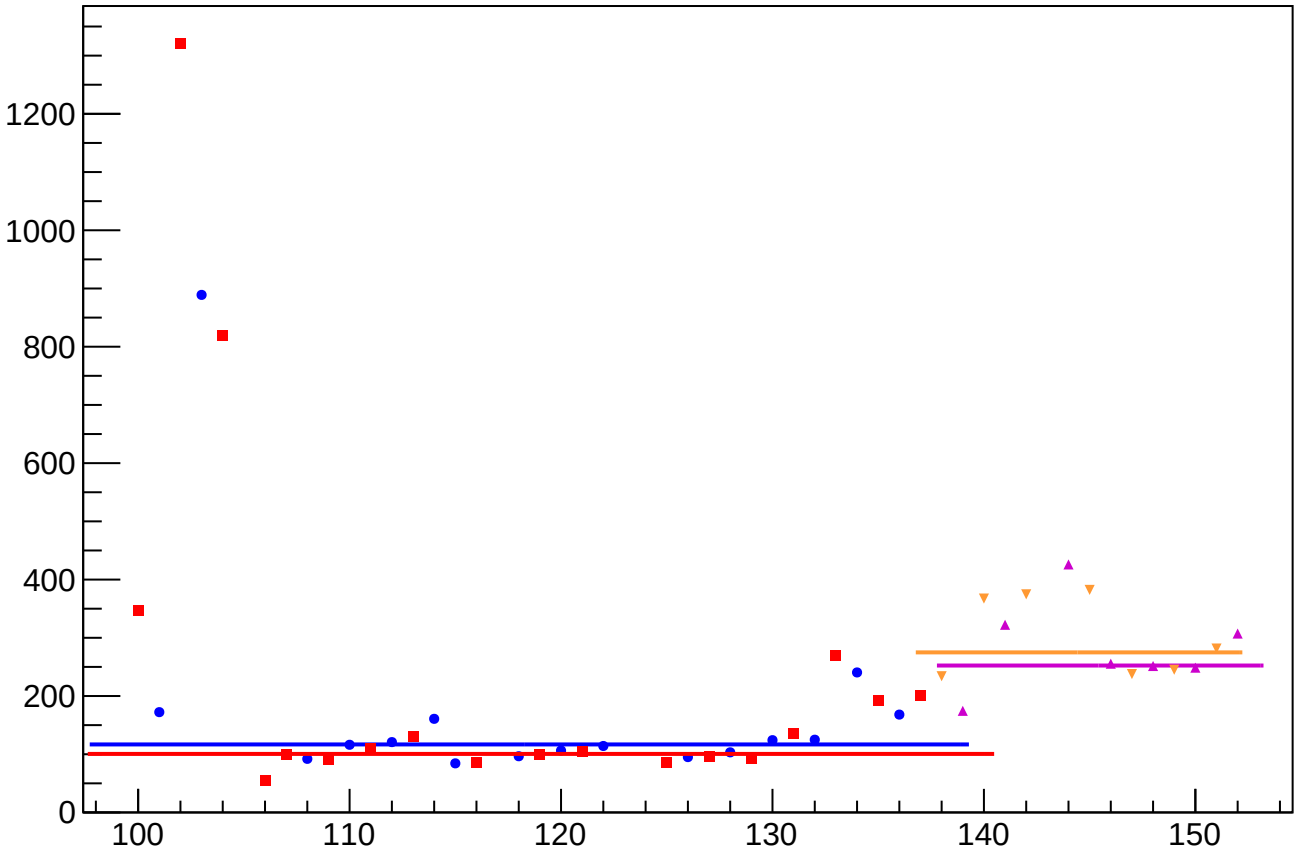
Left In: 0.004+/-0.000 χ^2/NDF:1400087.2/6

+ sign 0.003+/-0.000 χ^2/NDF: 8151308.3/22

All: 0.003+/-0.000 χ^2/NDF: 16838351.8/47

- sign 0.003+/-0.000 χ^2/NDF: 8668496.3/24


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: -0.141+/-0.122 χ²/NDF:9.8/6
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.113+/-0.107 χ²/NDF:8.1/6
+ sign 0.019+/-0.044 χ²/NDF: 22.0/22
All: 0.002+/-0.030 χ²/NDF: 57.5/47
- sign -0.011+/-0.040 χ²/NDF: 35.2/24



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 274.951+/-0.086 χ^2/NDF:398488.3/6

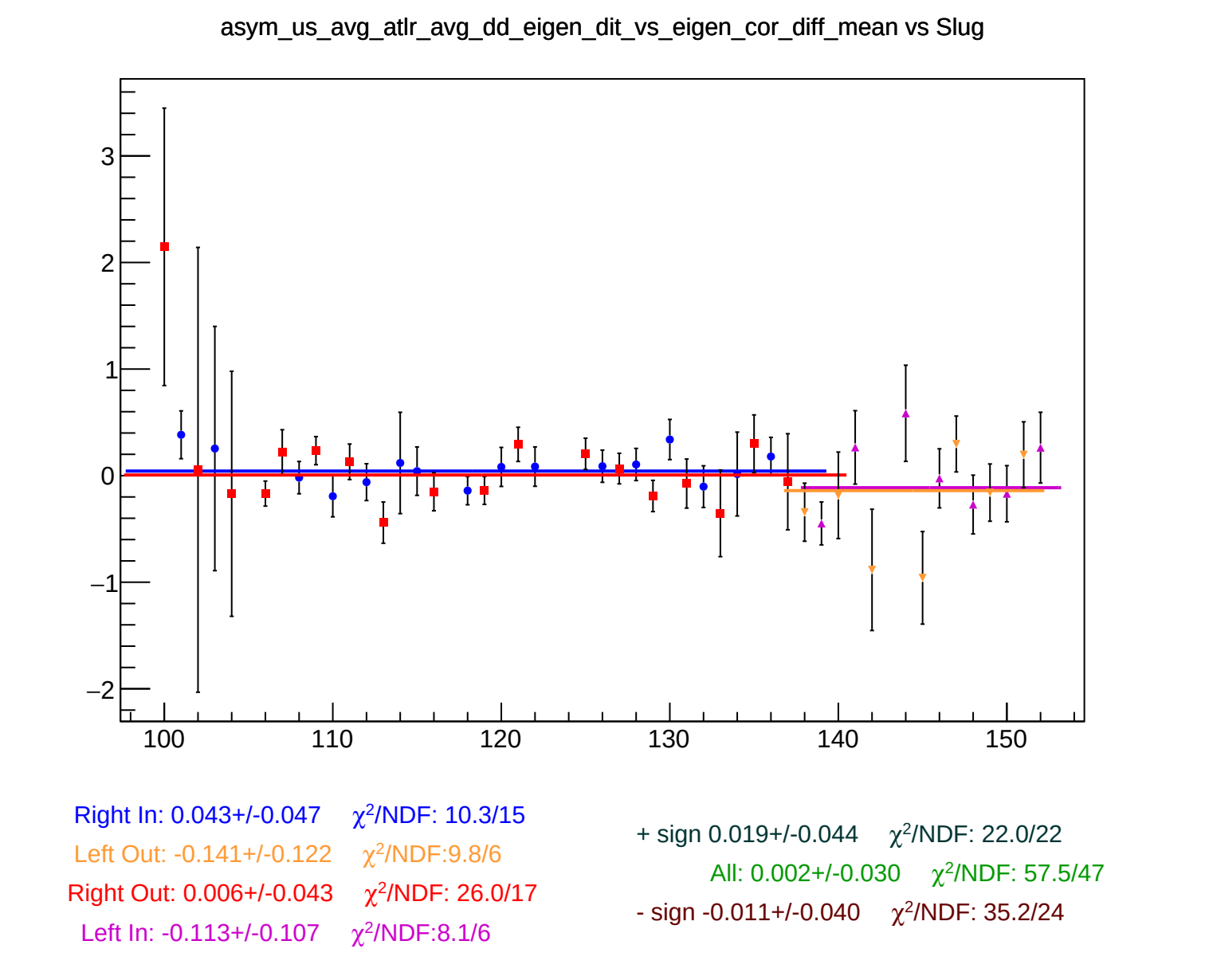
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

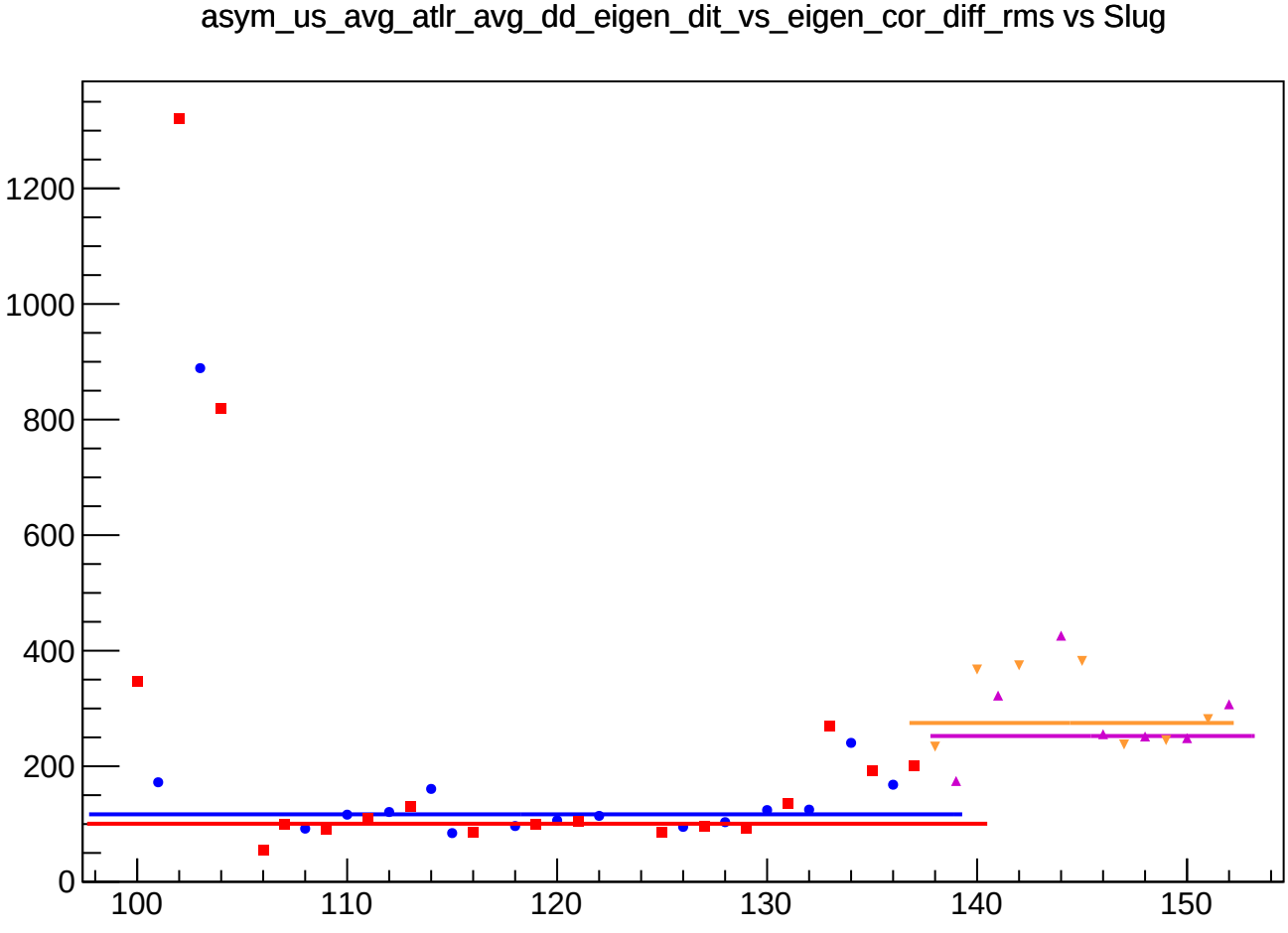
Left In: 252.371+/-0.076 χ^2/NDF:733128.7/6

+ sign 137.531+/-0.031 χ^2/NDF: 4923199.2/22

All: 129.042+/-0.021 χ^2/NDF: 11923557.9/47

- sign 122.040+/-0.028 χ^2/NDF: 6866061.1/24


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: -0.141+/-0.122 χ²/NDF:9.8/6
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.113+/-0.107 χ²/NDF:8.1/6
+ sign 0.019+/-0.044 χ²/NDF: 22.0/22
All: 0.002+/-0.030 χ²/NDF: 57.5/47
- sign -0.011+/-0.040 χ²/NDF: 35.2/24



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 274.951+/-0.086 χ^2/NDF:398488.3/6

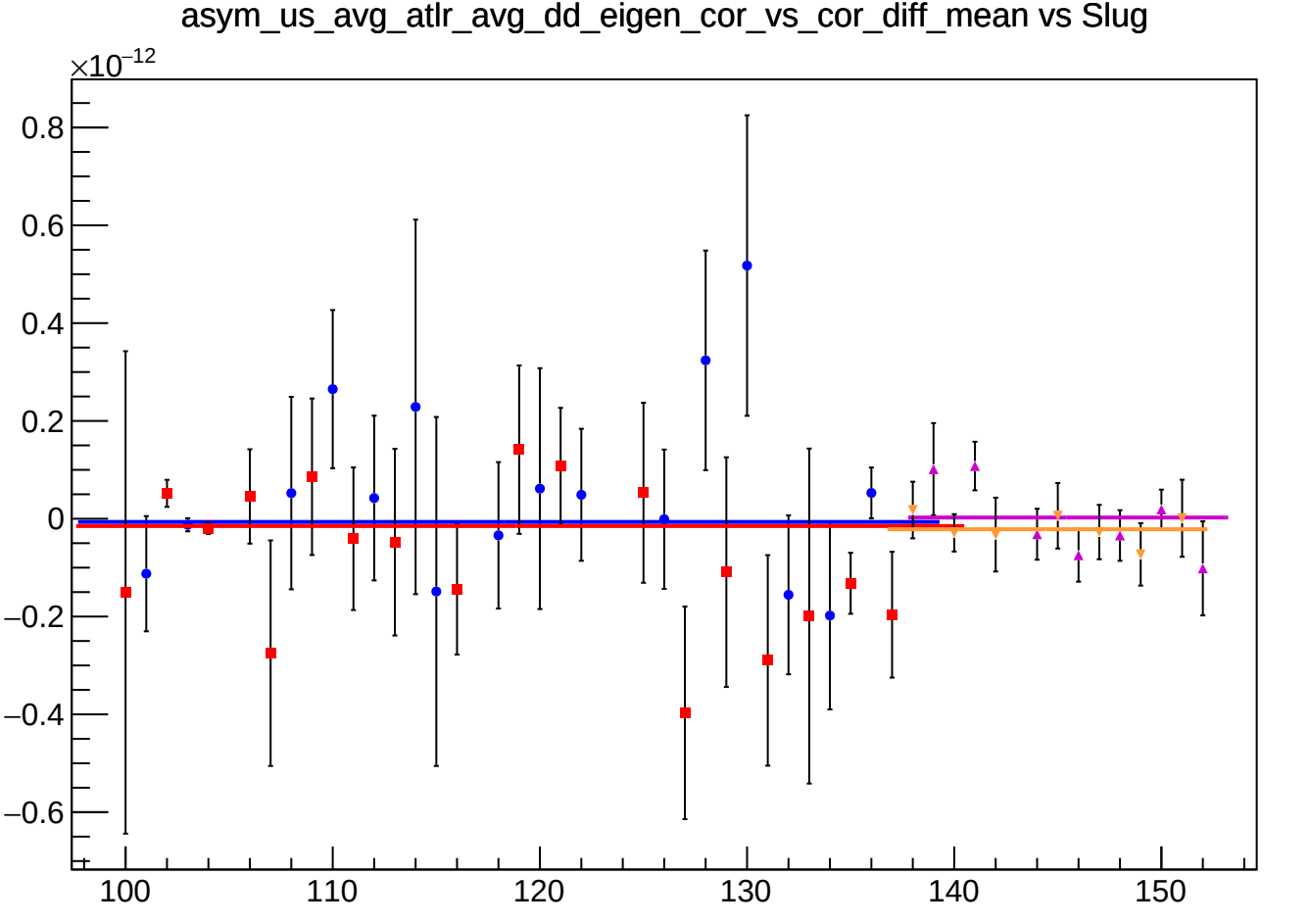
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

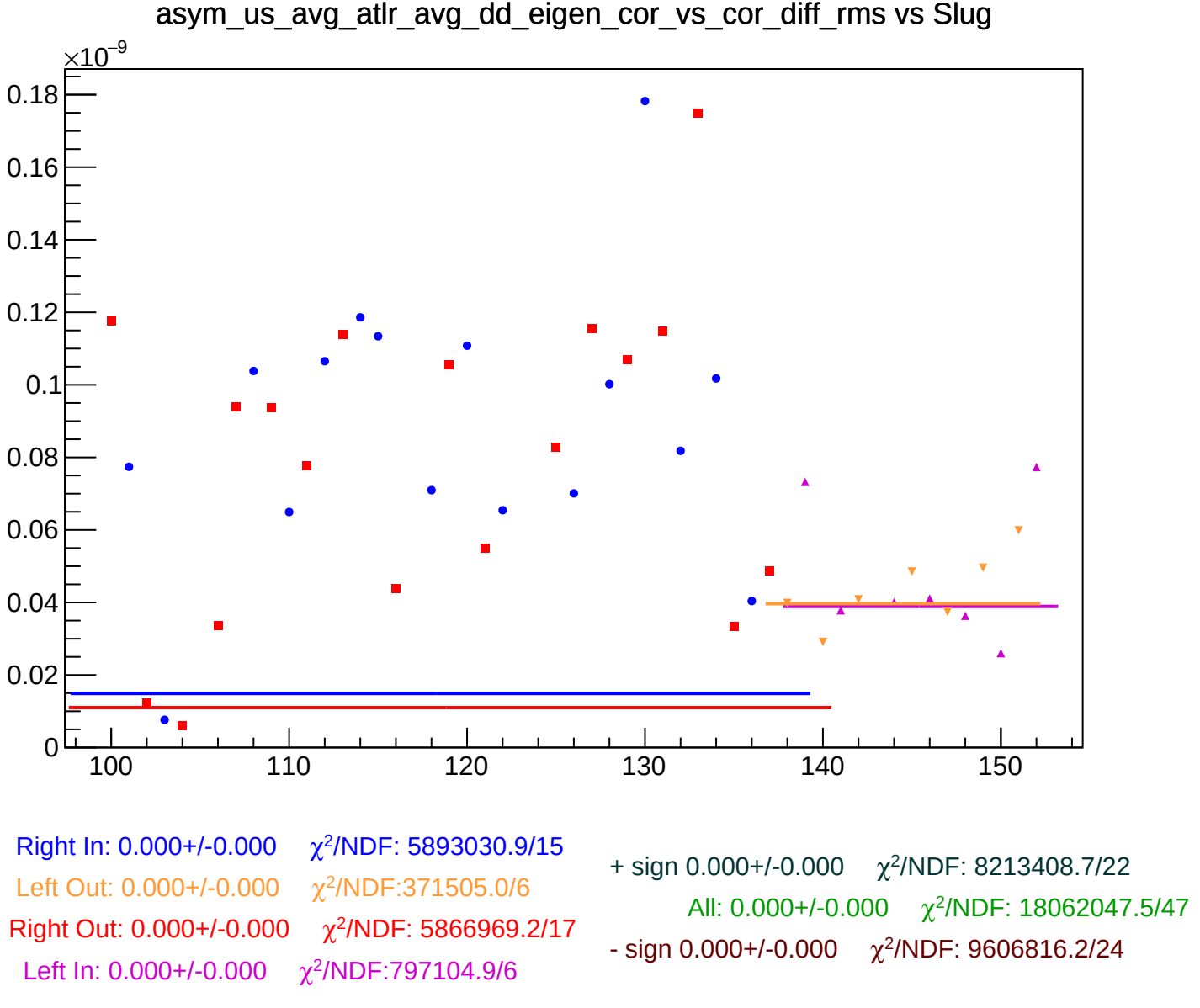
Left In: 252.371+/-0.076 χ^2/NDF:733128.7/6

+ sign 137.531+/-0.031 χ^2/NDF: 4923199.2/22

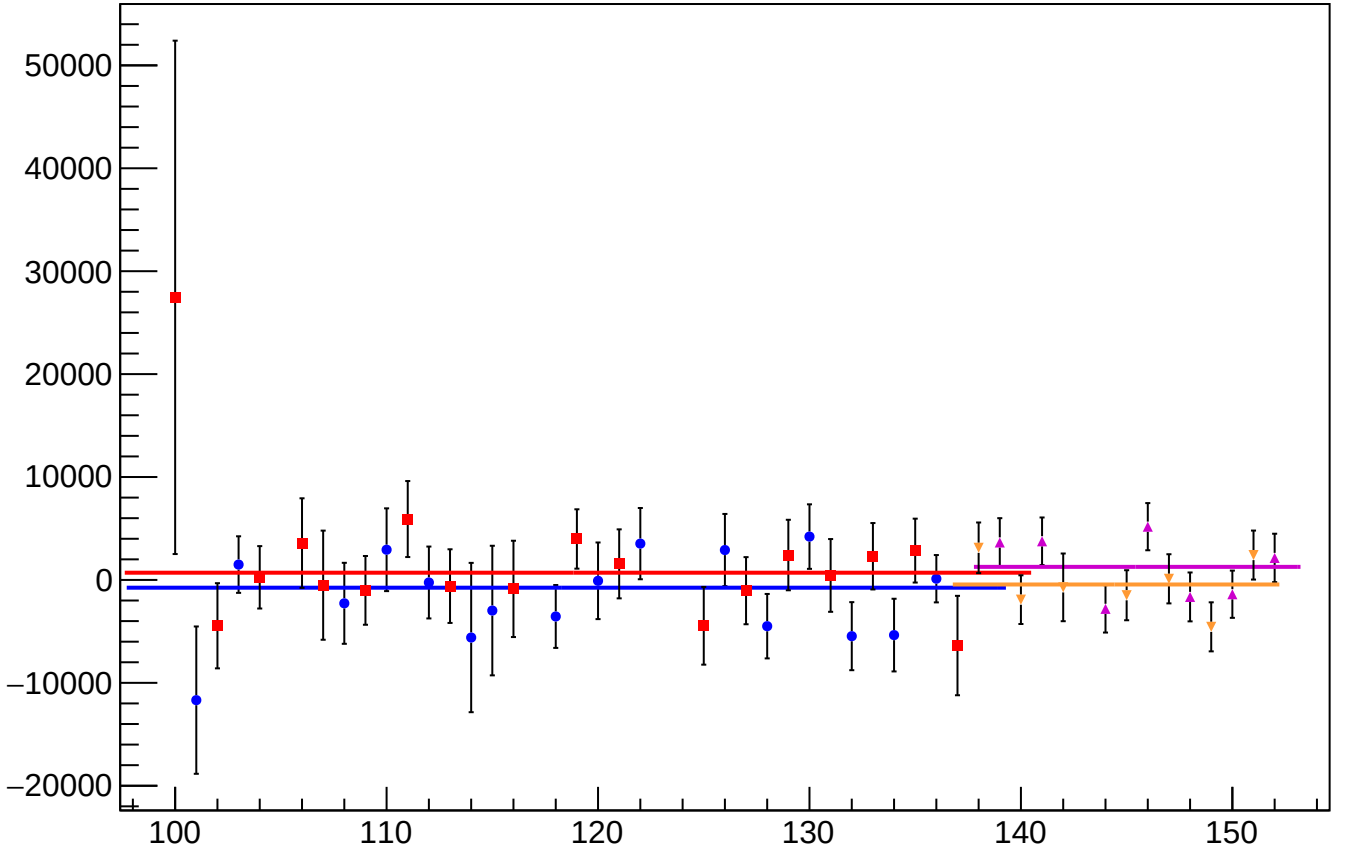
All: 129.042+/-0.021 χ^2/NDF: 11923557.9/47

- sign 122.040+/-0.028 χ^2/NDF: 6866061.1/24


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:1.4/6
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: 0.000+/-0.000 χ²/NDF:9.9/6
+ sign -0.000+/-0.000 χ²/NDF: 14.8/22
All: -0.000+/-0.000 χ²/NDF: 47.2/47
- sign -0.000+/-0.000 χ²/NDF: 32.4/24


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:371505.0/6
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:797104.9/6
+ sign 0.000+/-0.000 χ²/NDF: 8213408.7/22
All: 0.000+/-0.000 χ²/NDF: 18062047.5/47
- sign 0.000+/-0.000 χ²/NDF: 9606816.2/24

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -442.569+/-939.196 χ^2/NDF:7.2/6

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

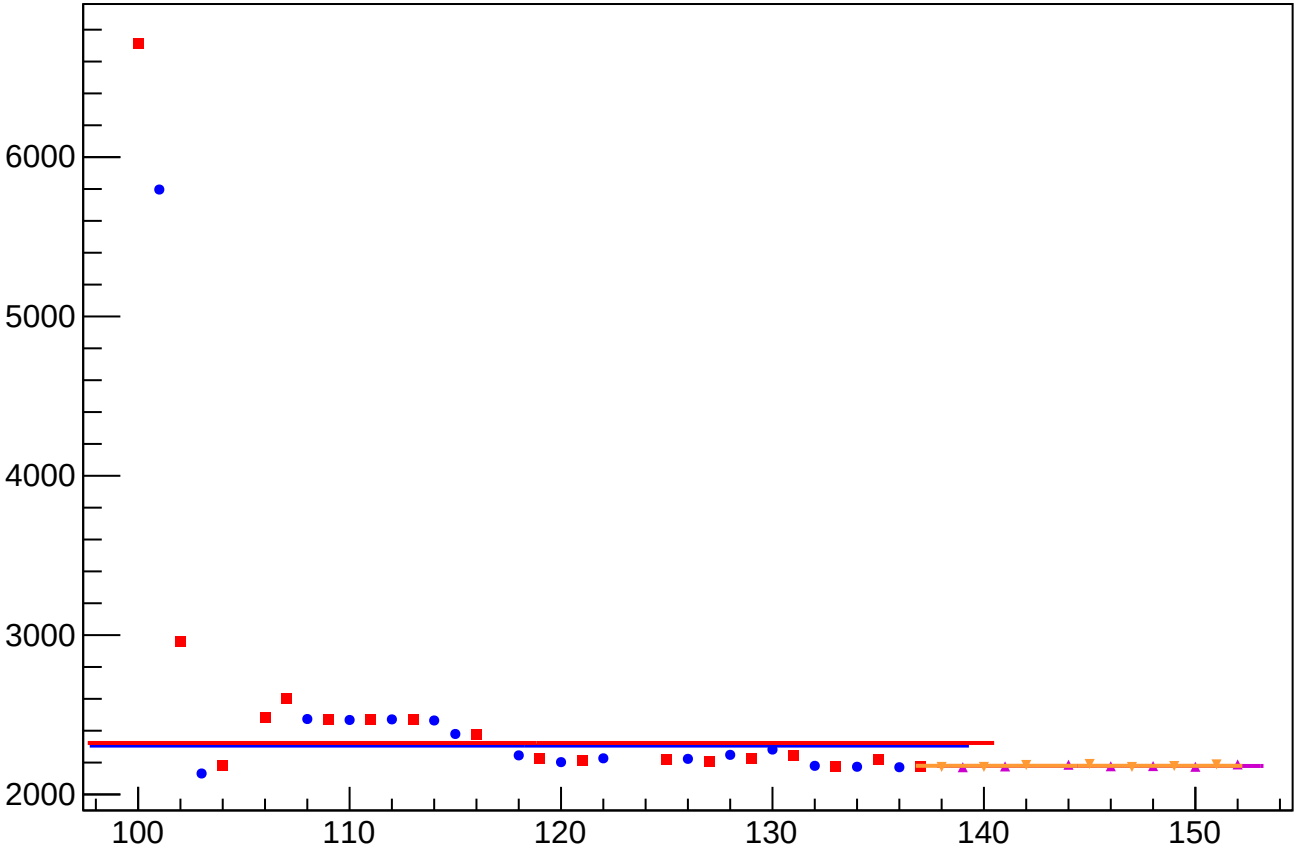
Left In: 1270.363+/-879.275 χ^2/NDF:11.2/6

+ sign -609.863+/-639.290 χ^2/NDF: 23.1/22

All: 213.508+/-444.309 χ^2/NDF: 50.1/47

- sign 982.826+/-617.949 χ^2/NDF: 23.8/24

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.674+/-0.664 χ^2/NDF:129.8/6

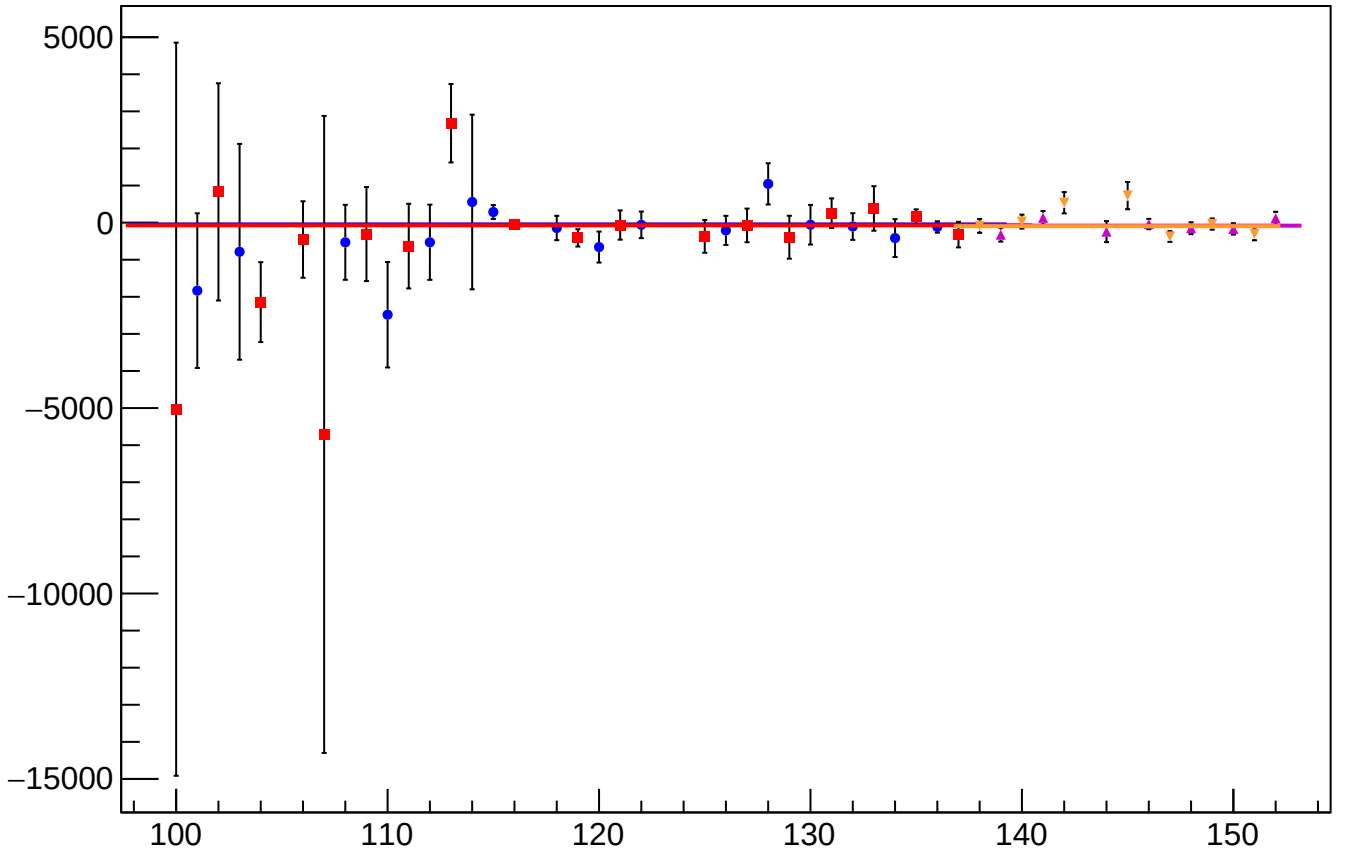
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2178.698+/-0.622 χ^2/NDF:93.5/6

+ sign 2247.816+/-0.452 χ^2/NDF: 533896.8/22

All: 2249.840+/-0.314 χ^2/NDF: 713081.4/47

- sign 2251.732+/-0.437 χ^2/NDF: 179145.8/24



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -95.984+/-70.656 χ^2/NDF:15.5/6

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

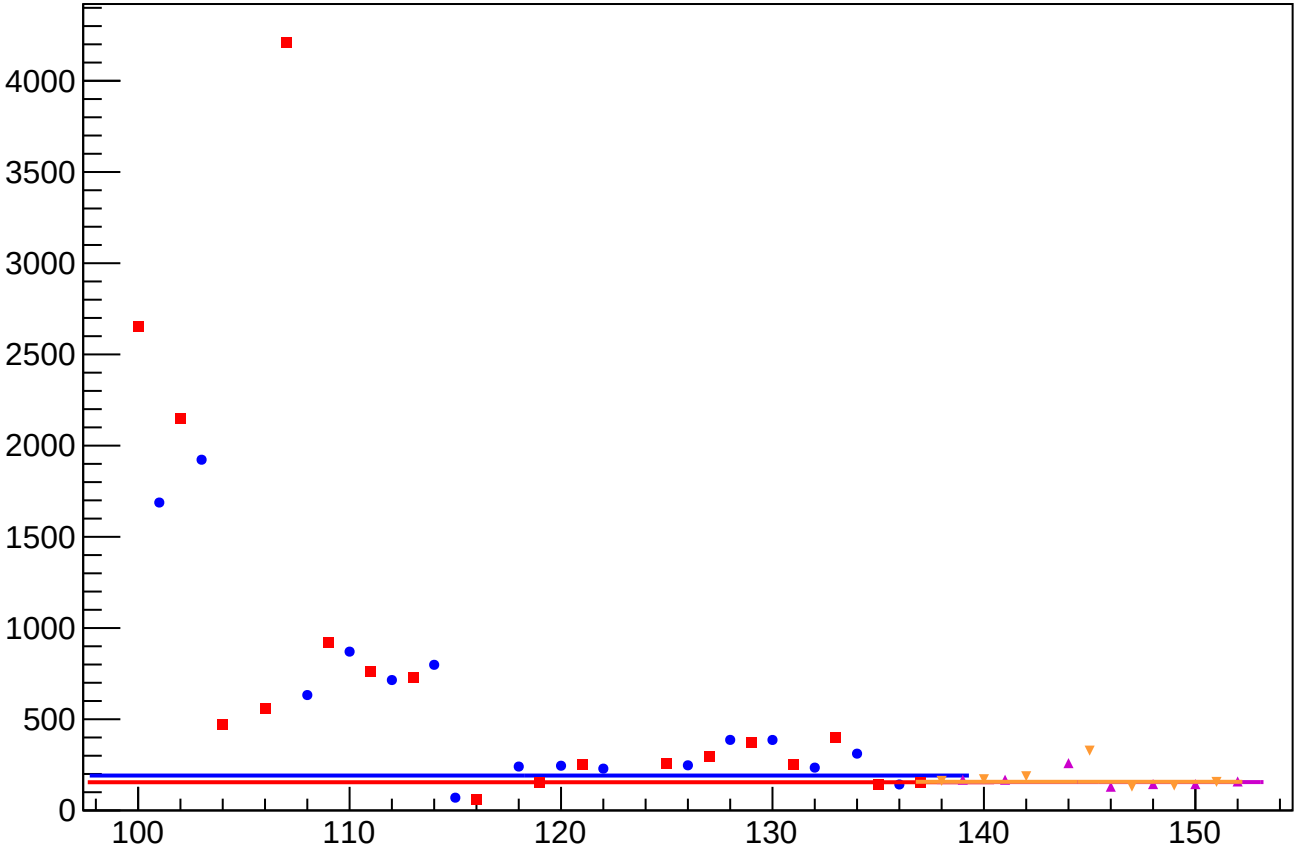
Left In: -81.472+/-64.916 χ^2/NDF:5.4/6

+ sign -77.888+/-55.789 χ^2/NDF: 30.0/22

All: -78.323+/-37.637 χ^2/NDF: 53.0/47

- sign -78.687+/-50.989 χ^2/NDF: 23.0/24

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: 157.088+/-0.050 χ^2/NDF:568836.4/6

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

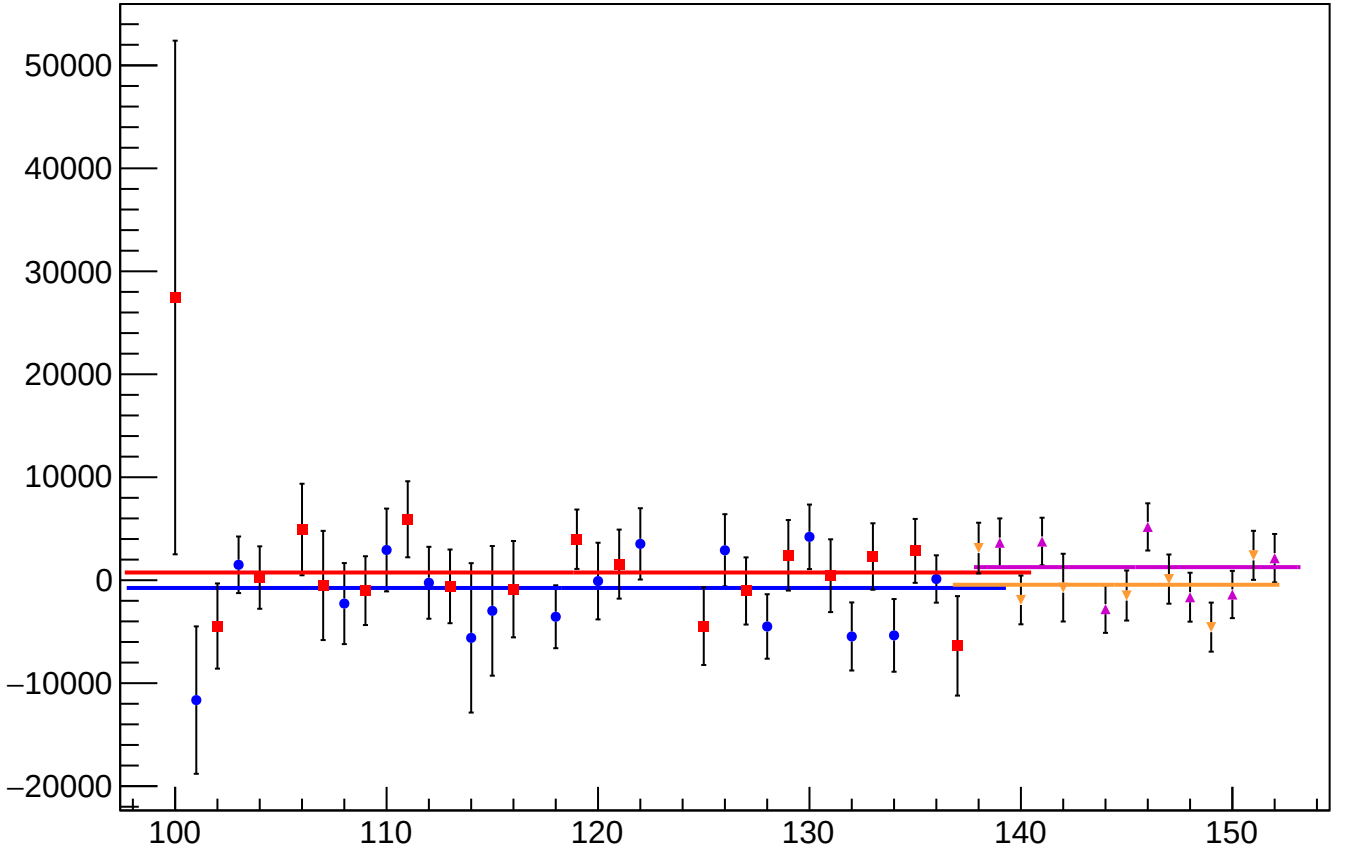
Left In: 155.509+/-0.046 χ^2/NDF:376760.6/6

+ sign 170.001+/-0.039 χ^2/NDF: 5810984.3/22

All: 161.931+/-0.027 χ^2/NDF: 12418964.9/47

- sign 155.190+/-0.036 χ^2/NDF: 6531172.4/24

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -442.678+/-939.196 χ^2/NDF:7.2/6

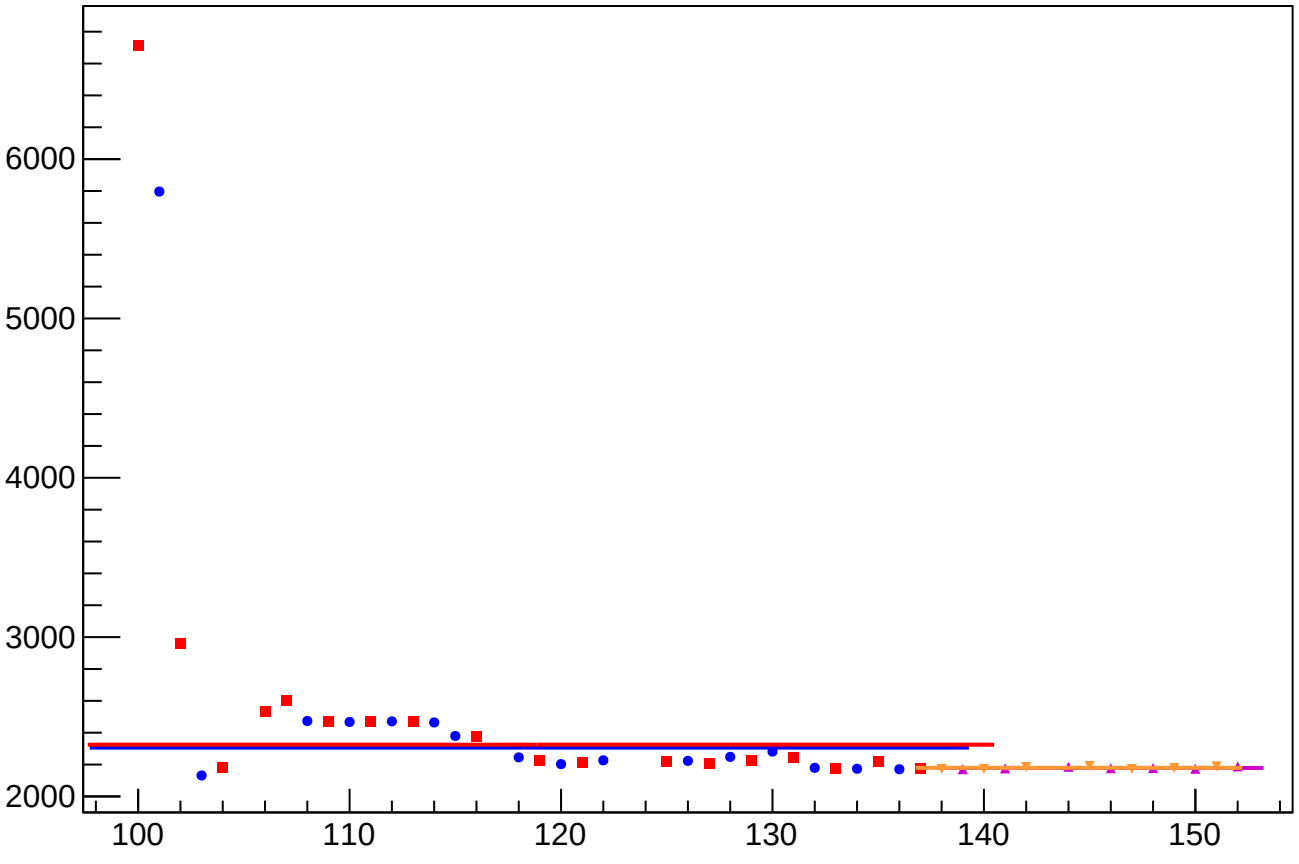
Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: 1270.409+/-879.275 χ^2/NDF:11.2/6

+ sign -609.394+/-639.290 χ^2/NDF: 23.1/22

All: 225.848+/-444.405 χ^2/NDF: 50.6/47

- sign 1006.909+/-618.208 χ^2/NDF: 24.2/24



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.674+/-0.664 χ^2/NDF:129.8/6

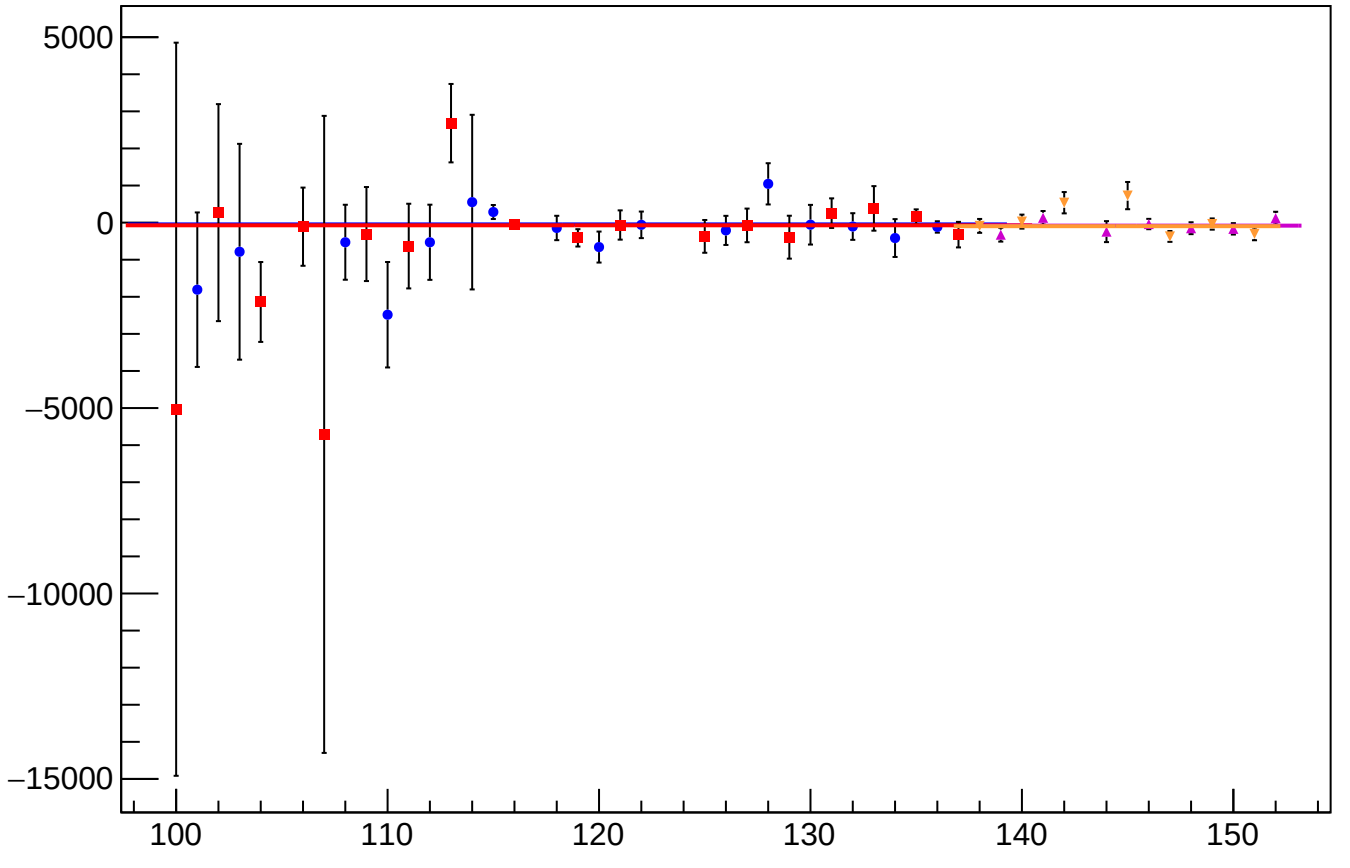
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2178.698+/-0.622 χ^2/NDF:93.5/6

+ sign 2247.816+/-0.452 χ^2/NDF: 533897.1/22

All: 2250.246+/-0.314 χ^2/NDF: 715503.8/47

- sign 2252.519+/-0.437 χ^2/NDF: 181550.7/24



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -96.045+/-70.658 χ^2/NDF:15.5/6

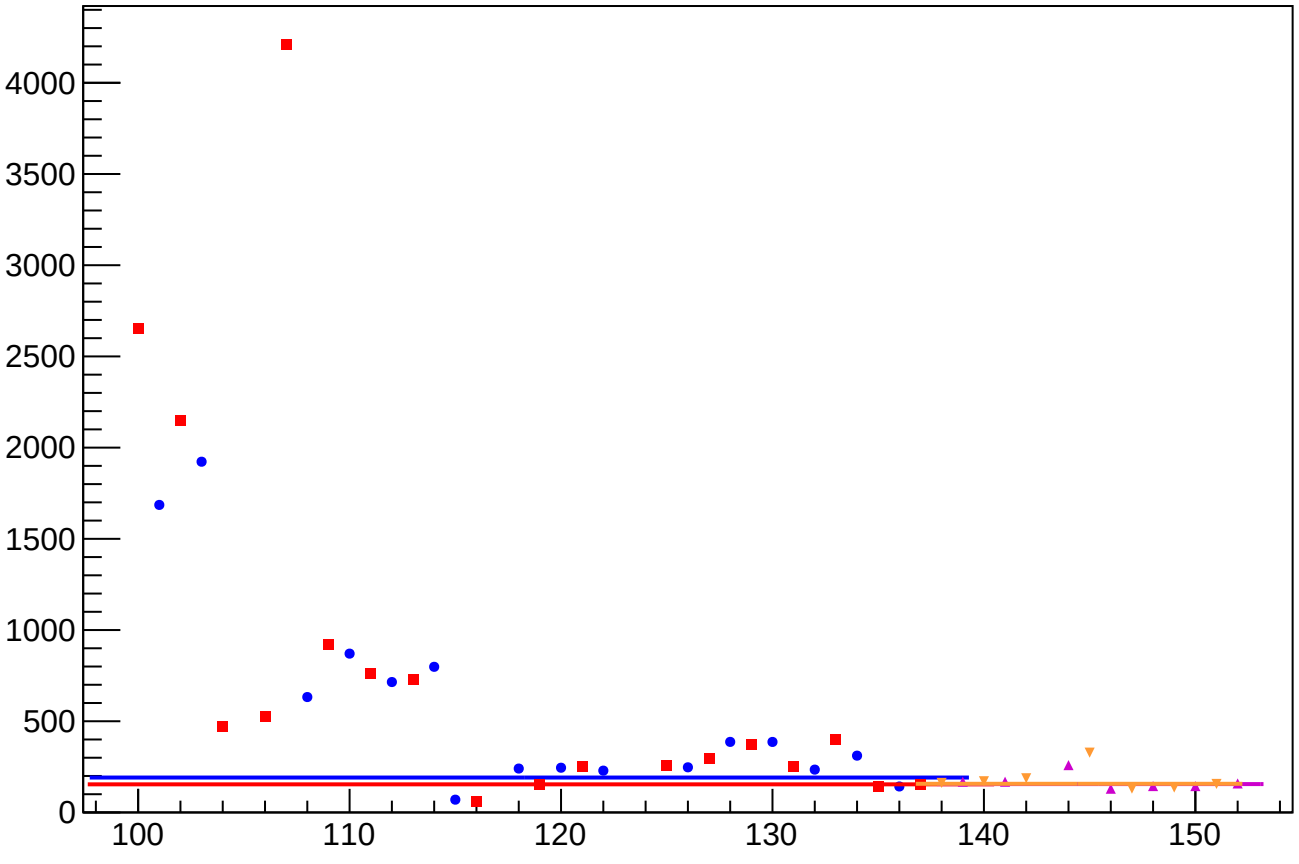
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -81.444+/-64.921 χ^2/NDF:5.3/6

+ sign -77.939+/-55.791 χ^2/NDF: 30.0/22

All: -77.917+/-37.633 χ^2/NDF: 52.8/47

- sign -77.899+/-50.976 χ^2/NDF: 22.8/24



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 157.093+/-0.050 χ^2/NDF:568939.2/6

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

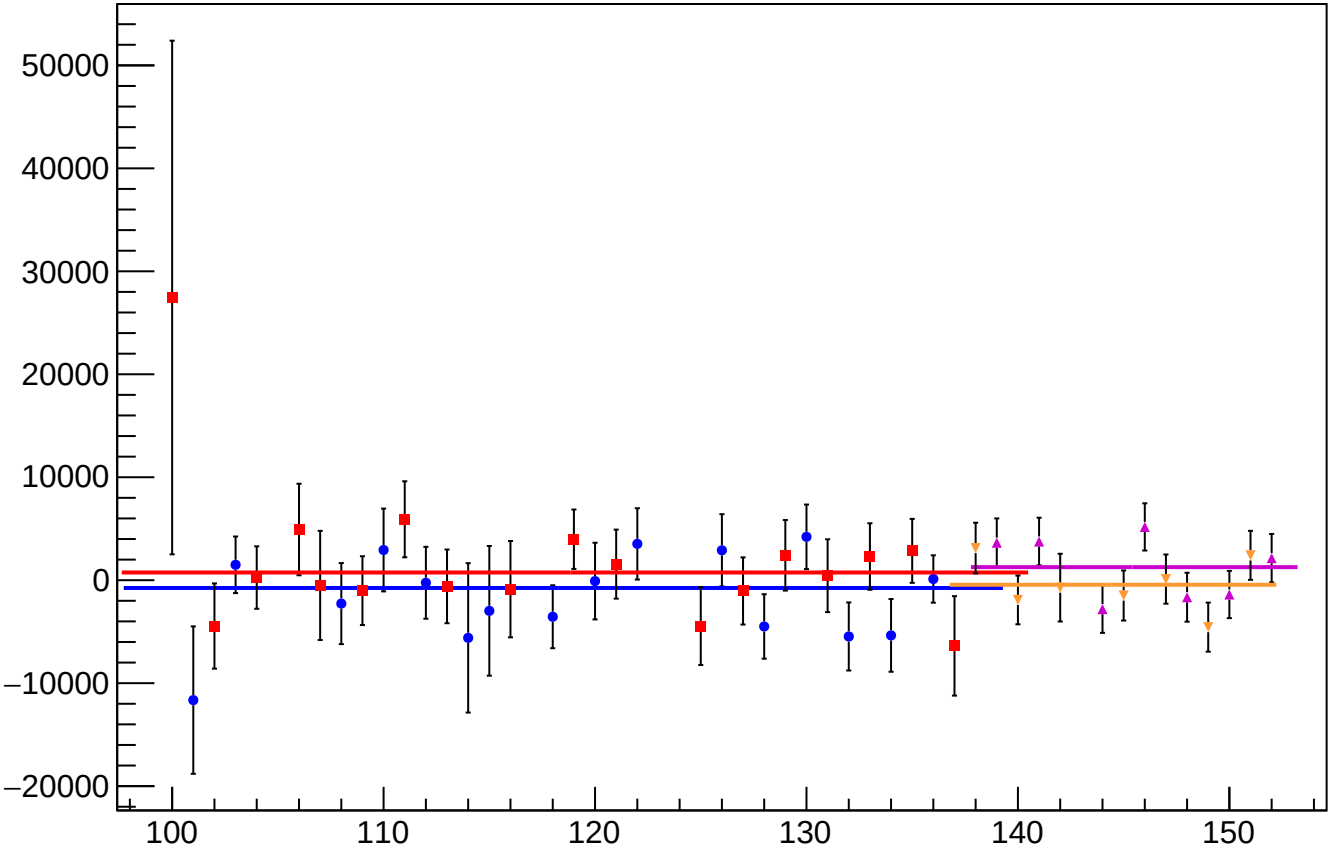
Left In: 155.523+/-0.046 χ^2/NDF:376659.7/6

+ sign 170.013+/-0.039 χ^2/NDF: 5810126.2/22

All: 161.823+/-0.027 χ^2/NDF: 12374893.0/47

- sign 154.985+/-0.036 χ^2/NDF: 6485682.2/24

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: -442.678+/-939.196 χ^2/NDF:7.2/6

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

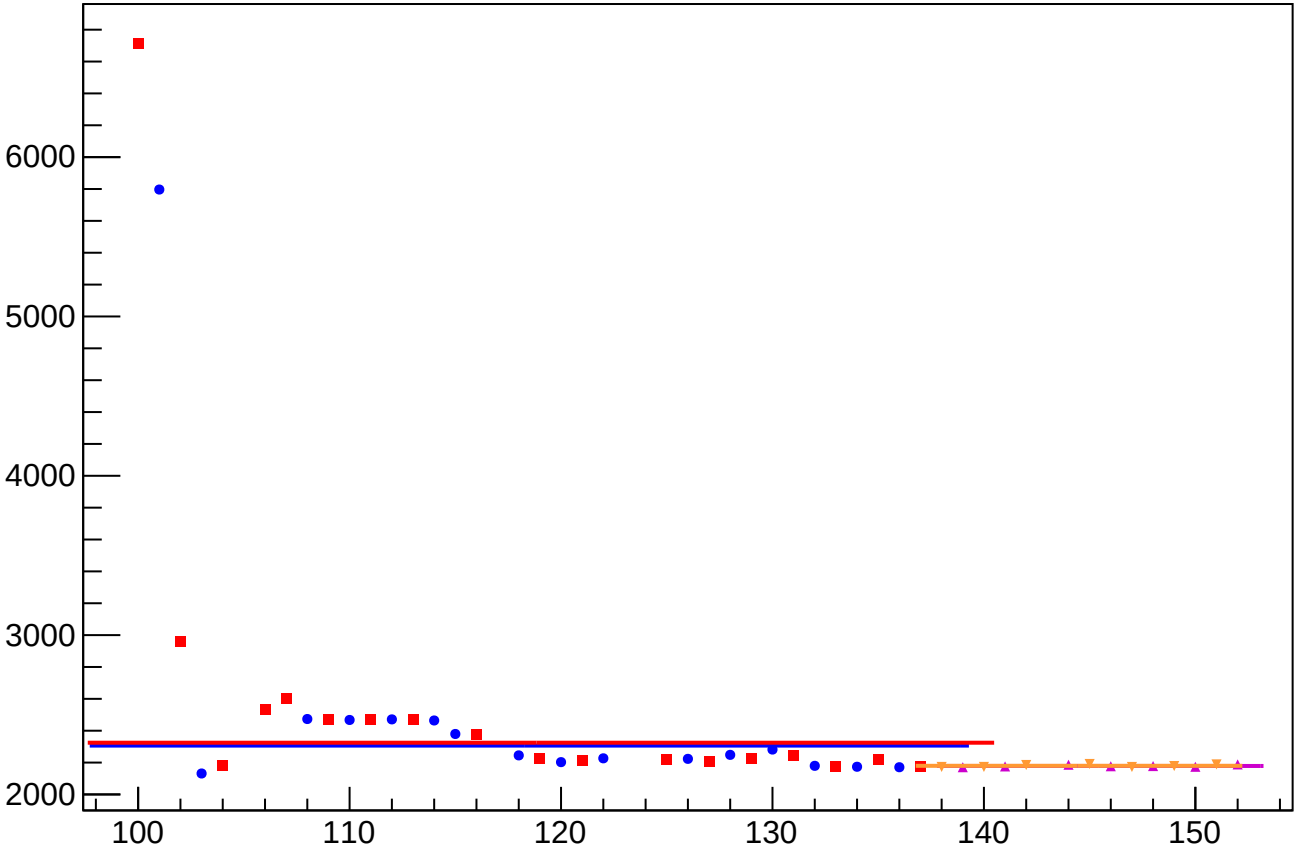
Left In: 1270.409+/-879.275 χ^2/NDF:11.2/6

+ sign -609.394+/-639.290 χ^2/NDF: 23.1/22

All: 225.848+/-444.405 χ^2/NDF: 50.6/47

- sign 1006.909+/-618.208 χ^2/NDF: 24.2/24

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.674+/-0.664 χ^2/NDF:129.8/6

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

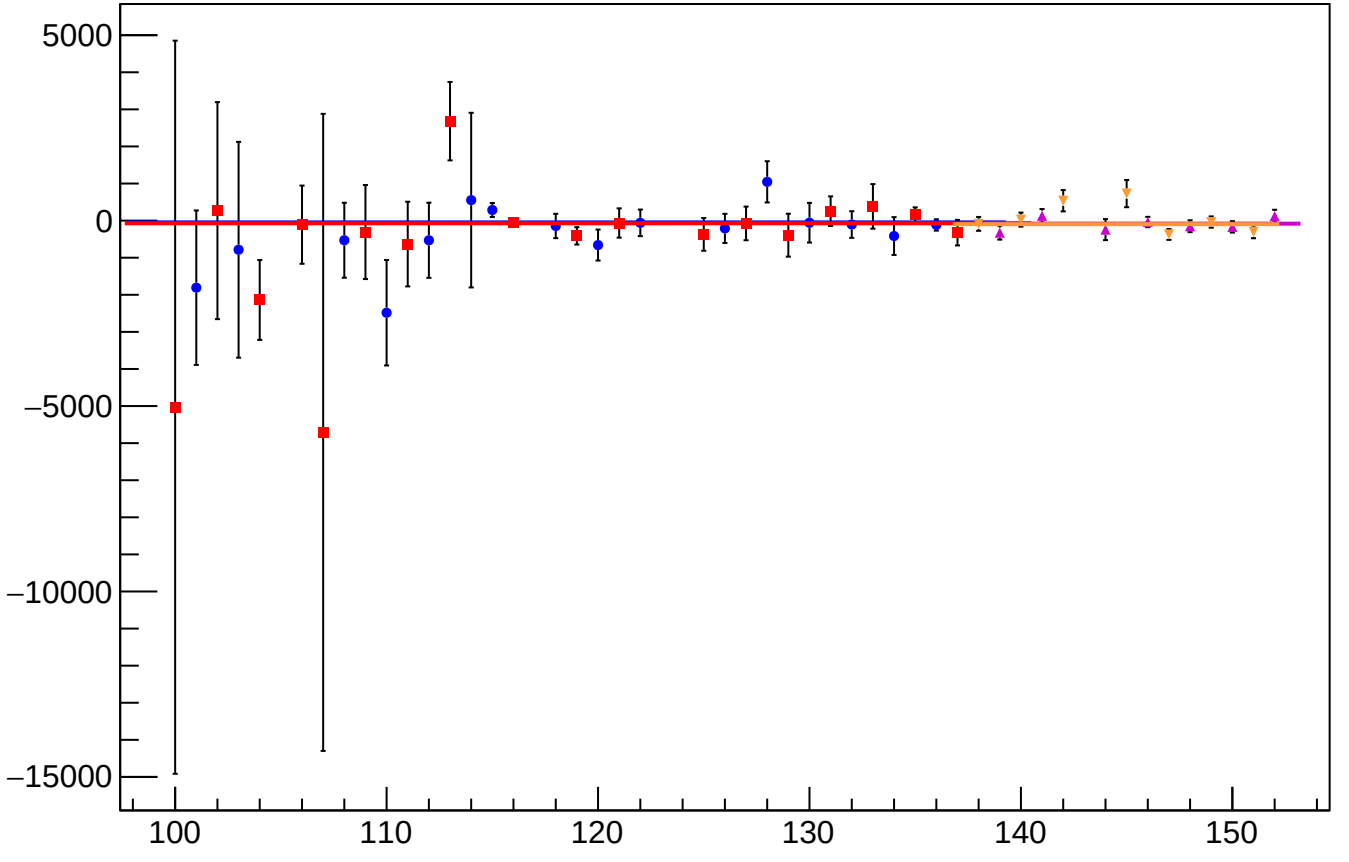
Left In: 2178.698+/-0.622 χ^2/NDF:93.5/6

+ sign 2247.816+/-0.452 χ^2/NDF: 533897.1/22

All: 2250.246+/-0.314 χ^2/NDF: 715503.8/47

- sign 2252.519+/-0.437 χ^2/NDF: 181550.7/24

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -96.045+/-70.658 χ^2/NDF:15.5/6

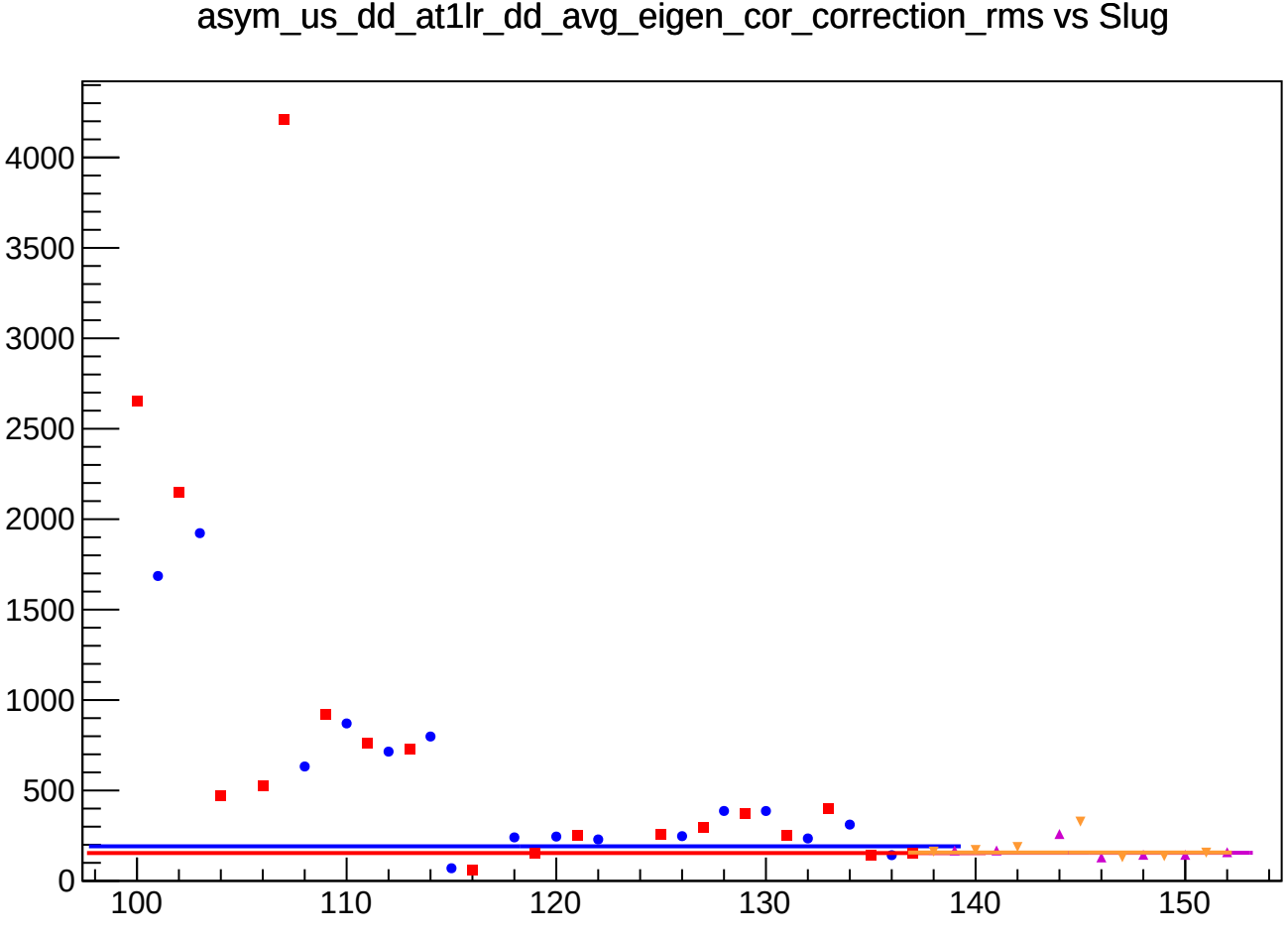
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -81.444+/-64.921 χ^2/NDF:5.3/6

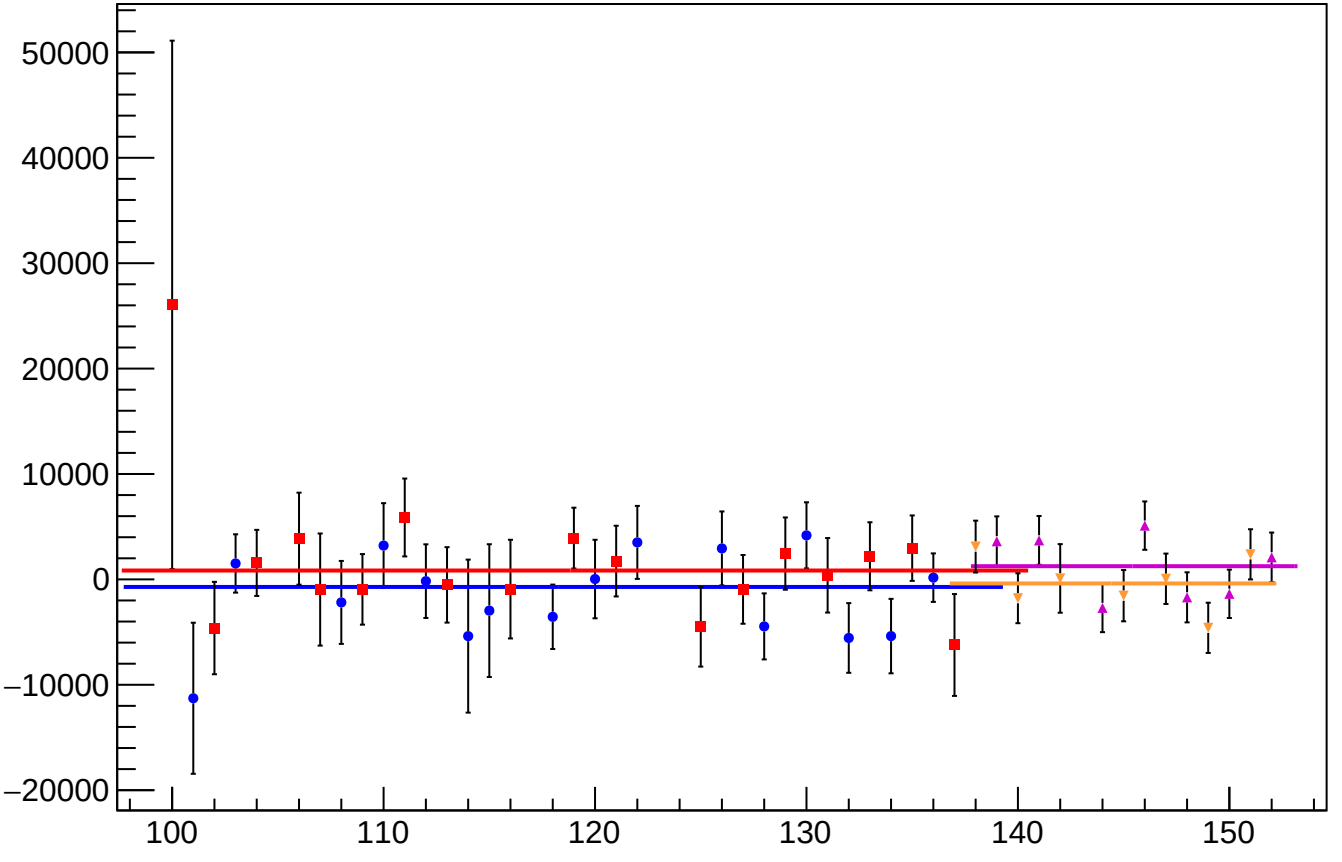
+ sign -77.939+/-55.791 χ^2/NDF: 30.0/22

All: -77.917+/-37.633 χ^2/NDF: 52.8/47

- sign -77.899+/-50.976 χ^2/NDF: 22.8/24


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
Right In: 191.405+/-0.064 χ²/NDF: 5063603.7/15
Left Out: 157.093+/-0.050 χ²/NDF:568939.2/6
Right Out: 154.121+/-0.058 χ²/NDF: 6108665.0/17
Left In: 155.523+/-0.046 χ²/NDF:376659.7/6
+ sign 170.013+/-0.039 χ²/NDF: 5810126.2/22
All: 161.823+/-0.027 χ²/NDF: 12374893.0/47
- sign 154.985+/-0.036 χ²/NDF: 6485682.2/24

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -386.090+/-938.699 χ^2/NDF:7.1/6

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

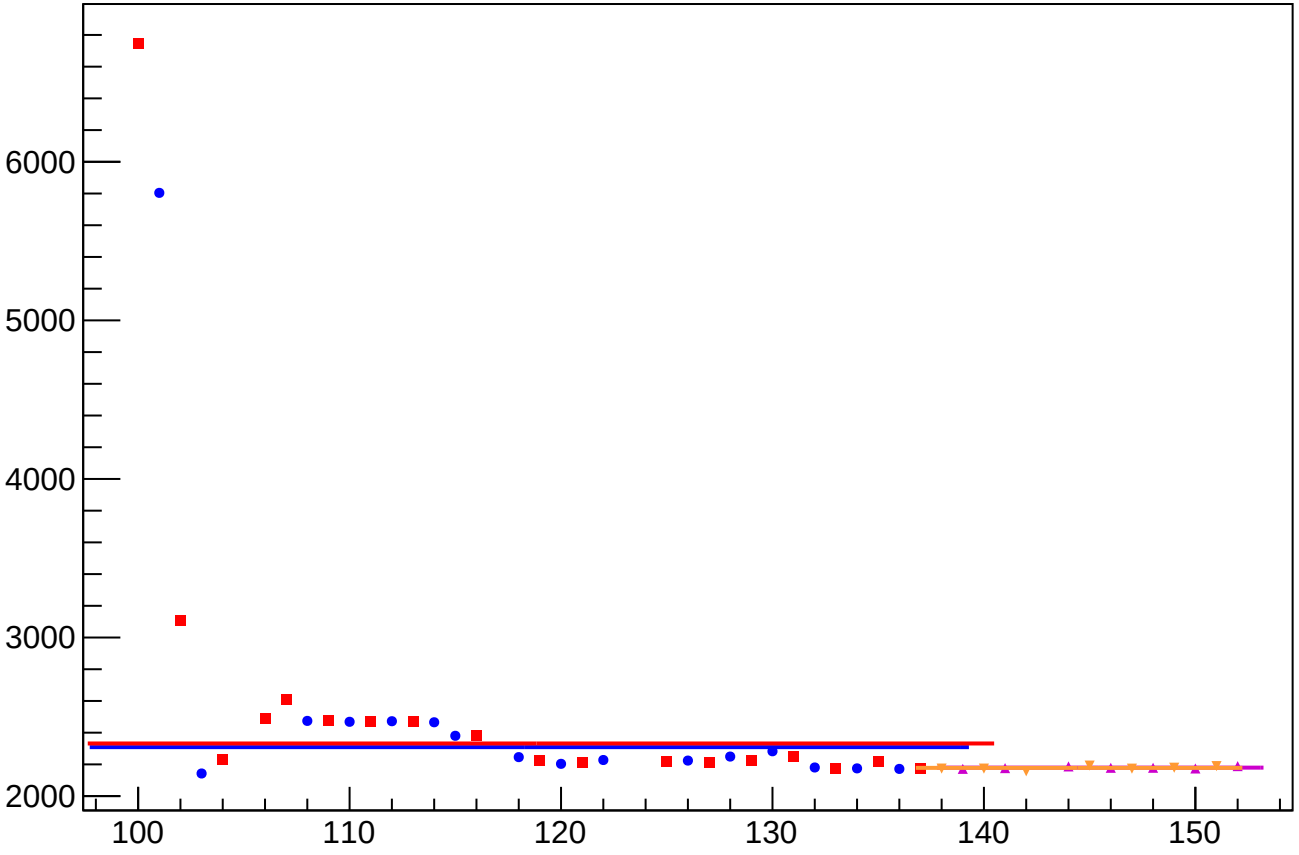
Left In: 1252.553+/-879.600 χ^2/NDF:10.9/6

+ sign -563.501+/-639.481 χ^2/NDF: 23.0/22

All: 266.327+/-445.073 χ^2/NDF: 49.4/47

- sign 1045.947+/-619.834 χ^2/NDF: 23.1/24

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.041+/-0.664 χ^2/NDF:224.3/6

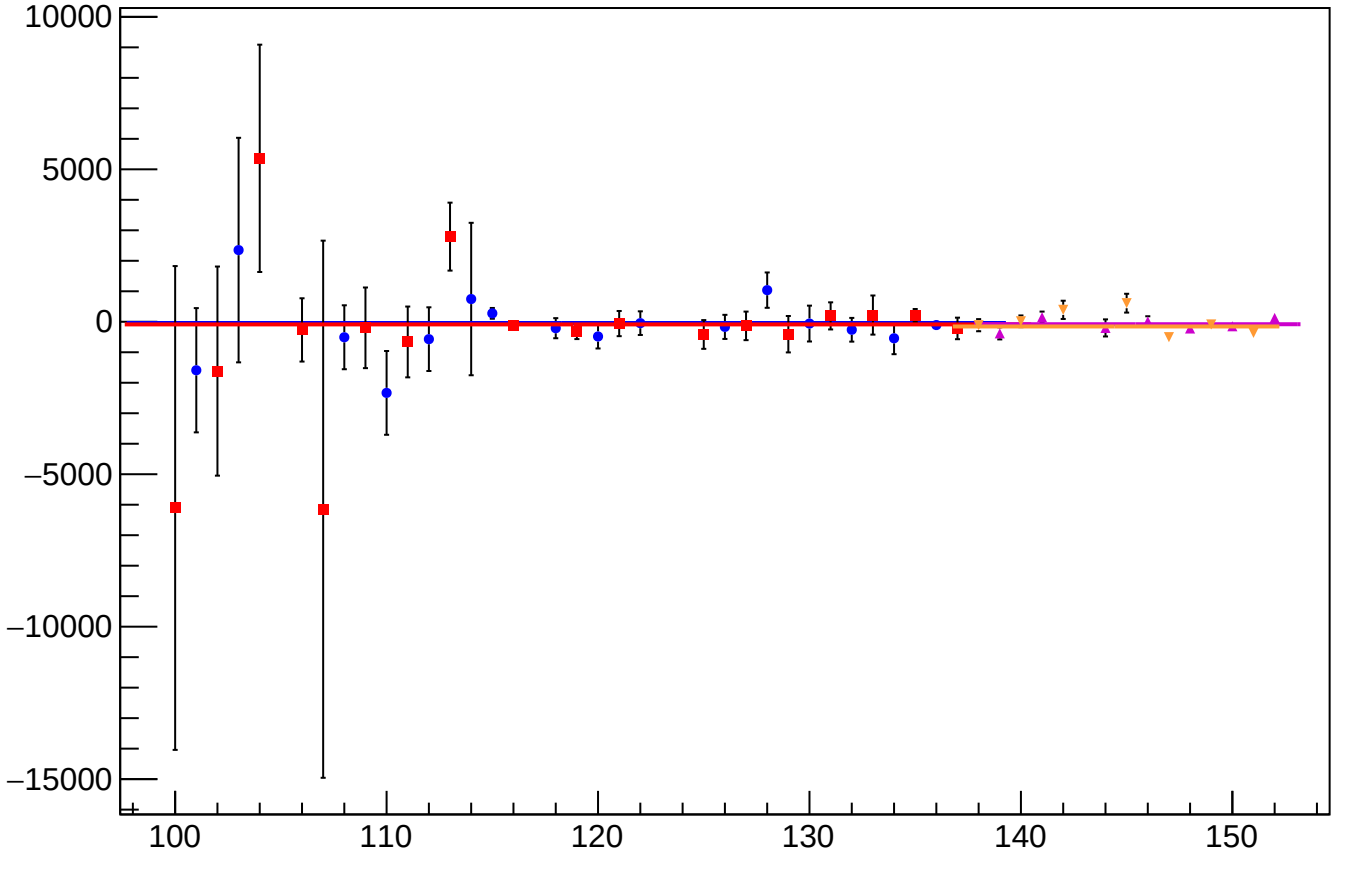
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2179.503+/-0.622 χ^2/NDF:90.8/6

+ sign 2248.083+/-0.452 χ^2/NDF: 534744.8/22

All: 2252.268+/-0.315 χ^2/NDF: 732527.2/47

- sign 2256.199+/-0.438 χ^2/NDF: 197616.3/24



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -153.952+/-71.077 χ^2/NDF:17.4/6

Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

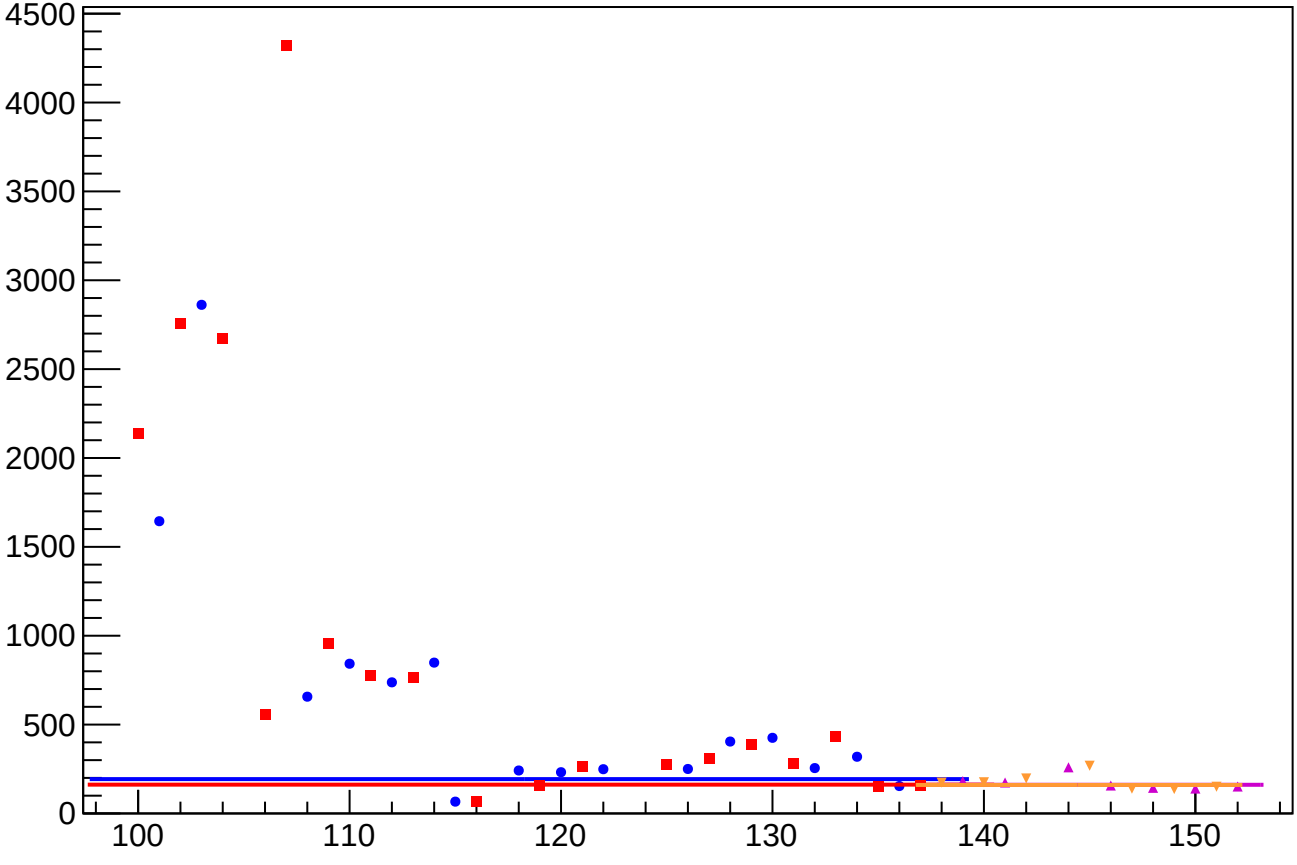
Left In: -80.537+/-66.513 χ^2/NDF:6.9/6

+ sign -111.640+/-56.339 χ^2/NDF: 32.4/22

All: -96.198+/-38.461 χ^2/NDF: 54.3/47

- sign -82.720+/-52.634 χ^2/NDF: 21.8/24

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: 160.377+/-0.050 χ^2/NDF:388518.9/6

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

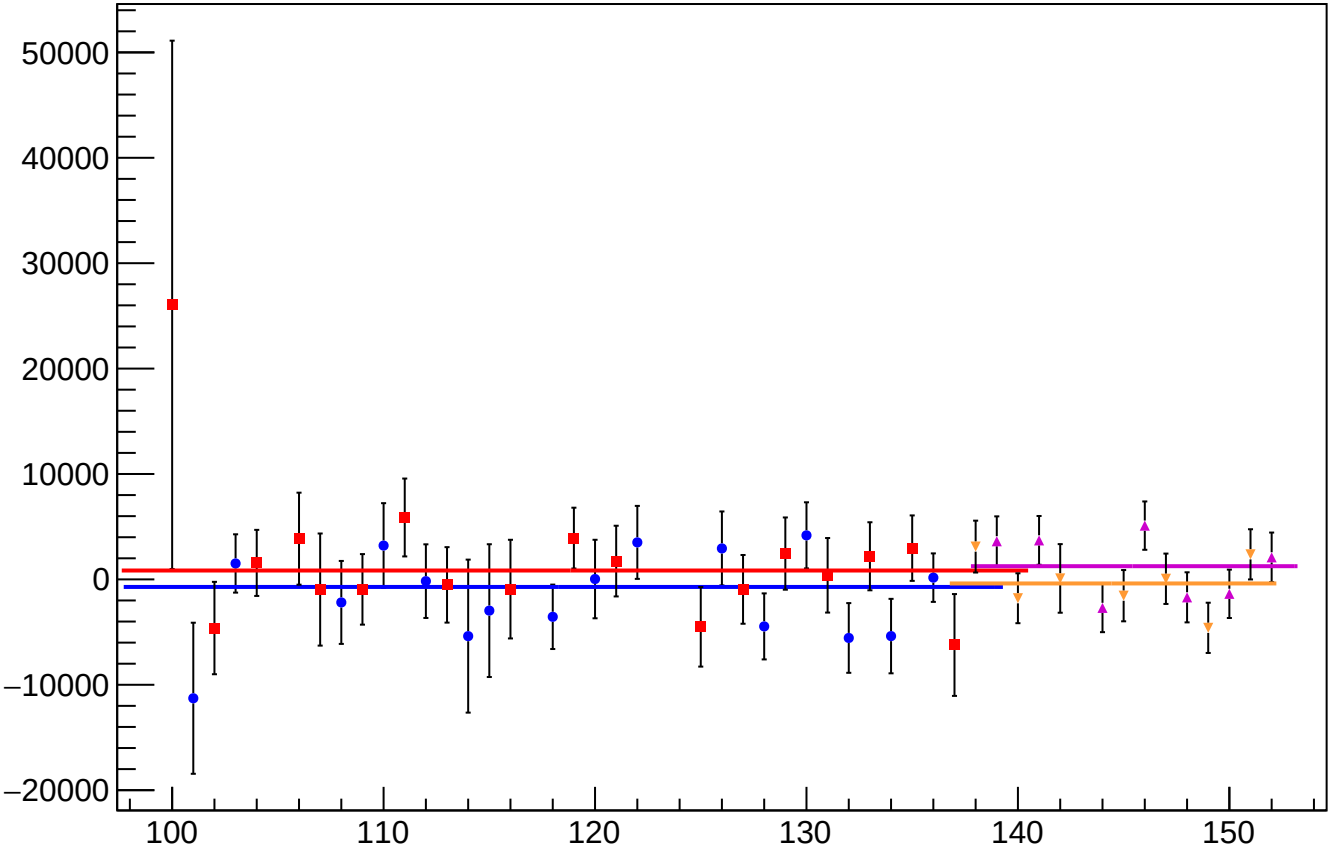
Left In: 161.287+/-0.047 χ^2/NDF:350108.6/6

+ sign 172.598+/-0.040 χ^2/NDF: 6165436.3/22

All: 166.723+/-0.027 χ^2/NDF: 13626873.1/47

- sign 161.596+/-0.037 χ^2/NDF: 7420713.3/24

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: -386.092+/-938.699 χ^2/NDF:7.1/6

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

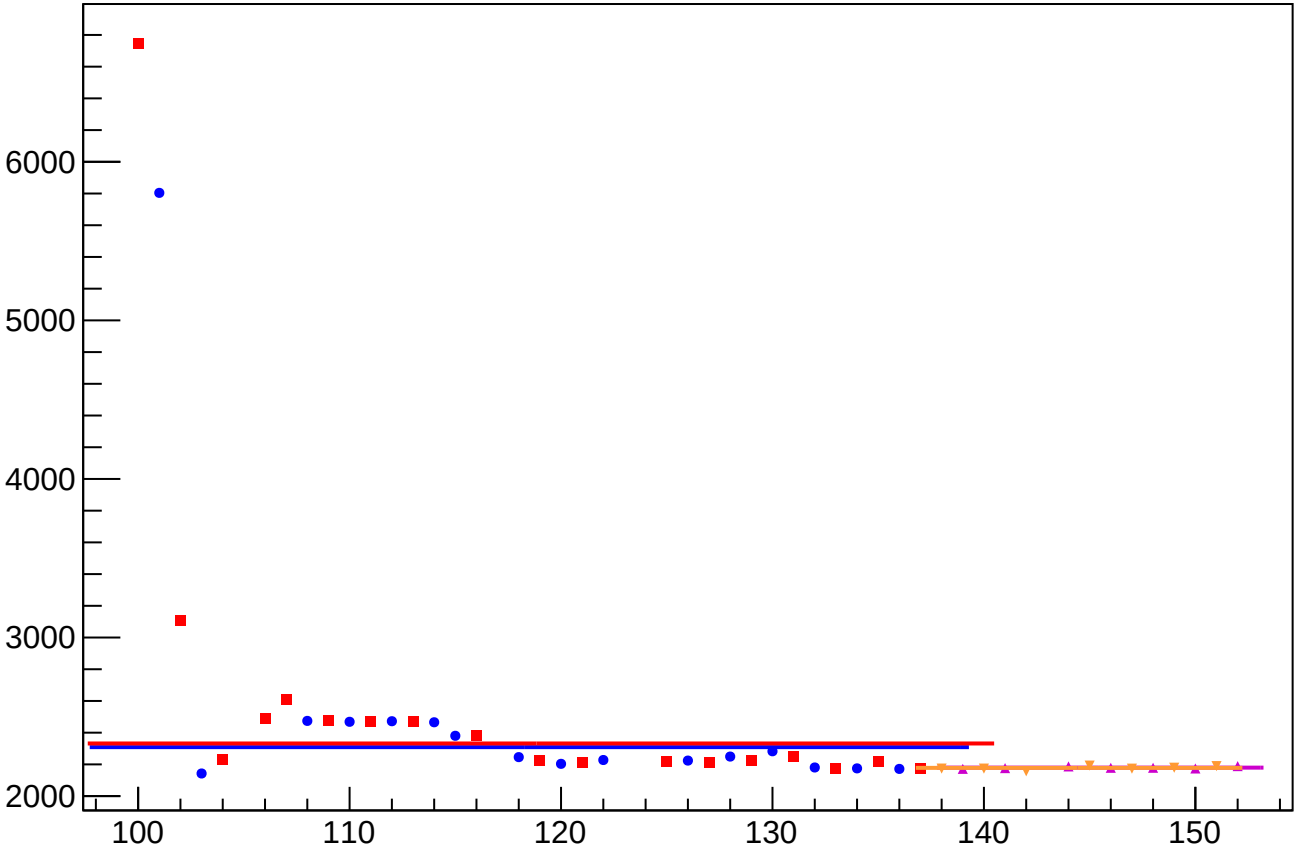
Left In: 1252.553+/-879.600 χ^2/NDF:10.9/6

+ sign -563.502+/-639.481 χ^2/NDF: 23.0/22

All: 266.327+/-445.073 χ^2/NDF: 49.4/47

- sign 1045.948+/-619.834 χ^2/NDF: 23.1/24

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: 2178.041+/-0.664 χ^2/NDF:224.3/6

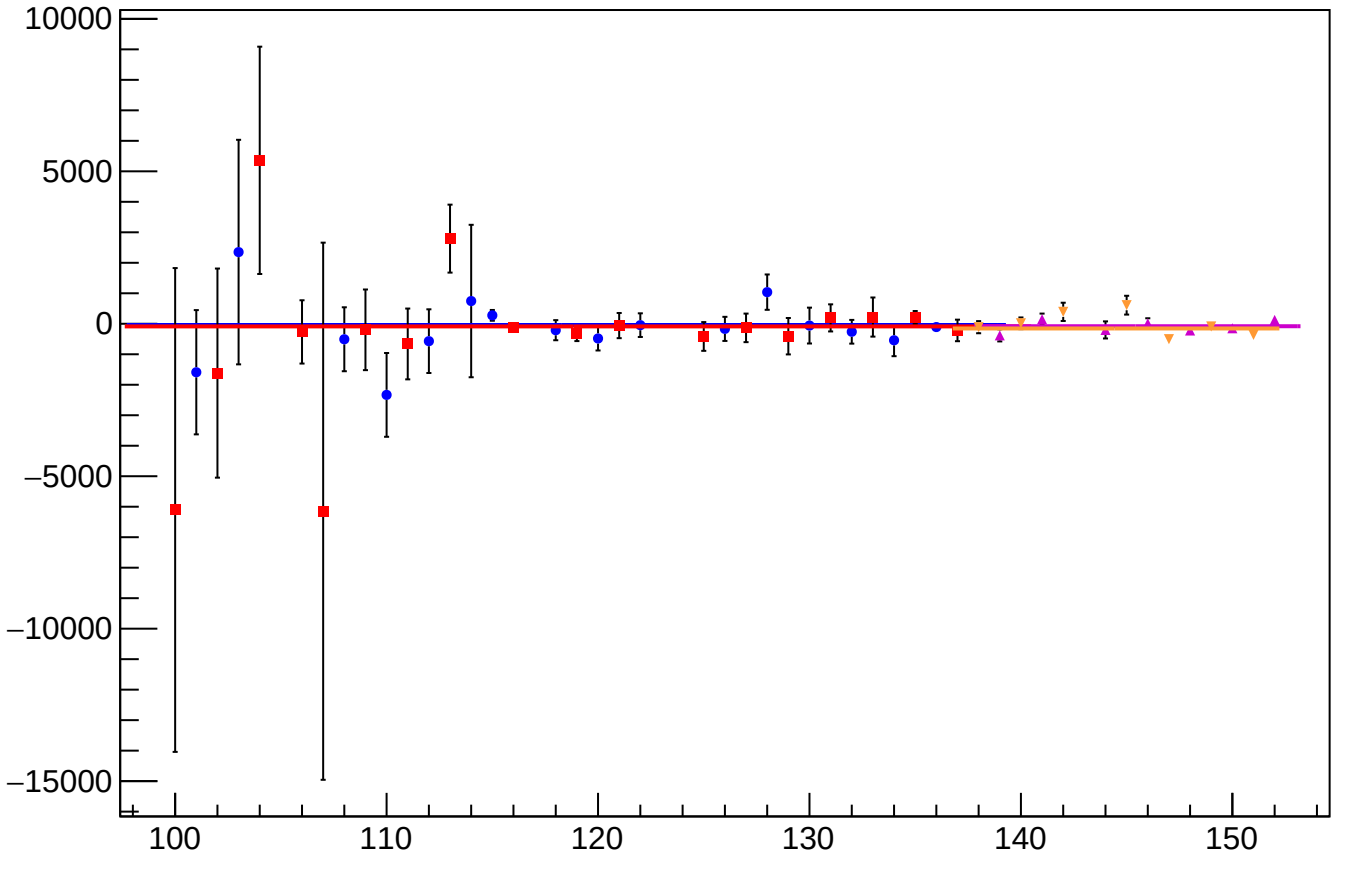
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2179.503+/-0.622 χ^2/NDF:90.8/6

+ sign 2248.083+/-0.452 χ^2/NDF: 534744.8/22

All: 2252.268+/-0.315 χ^2/NDF: 732527.1/47

- sign 2256.199+/-0.438 χ^2/NDF: 197616.1/24



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -153.952+/-71.077 χ^2/NDF:17.4/6

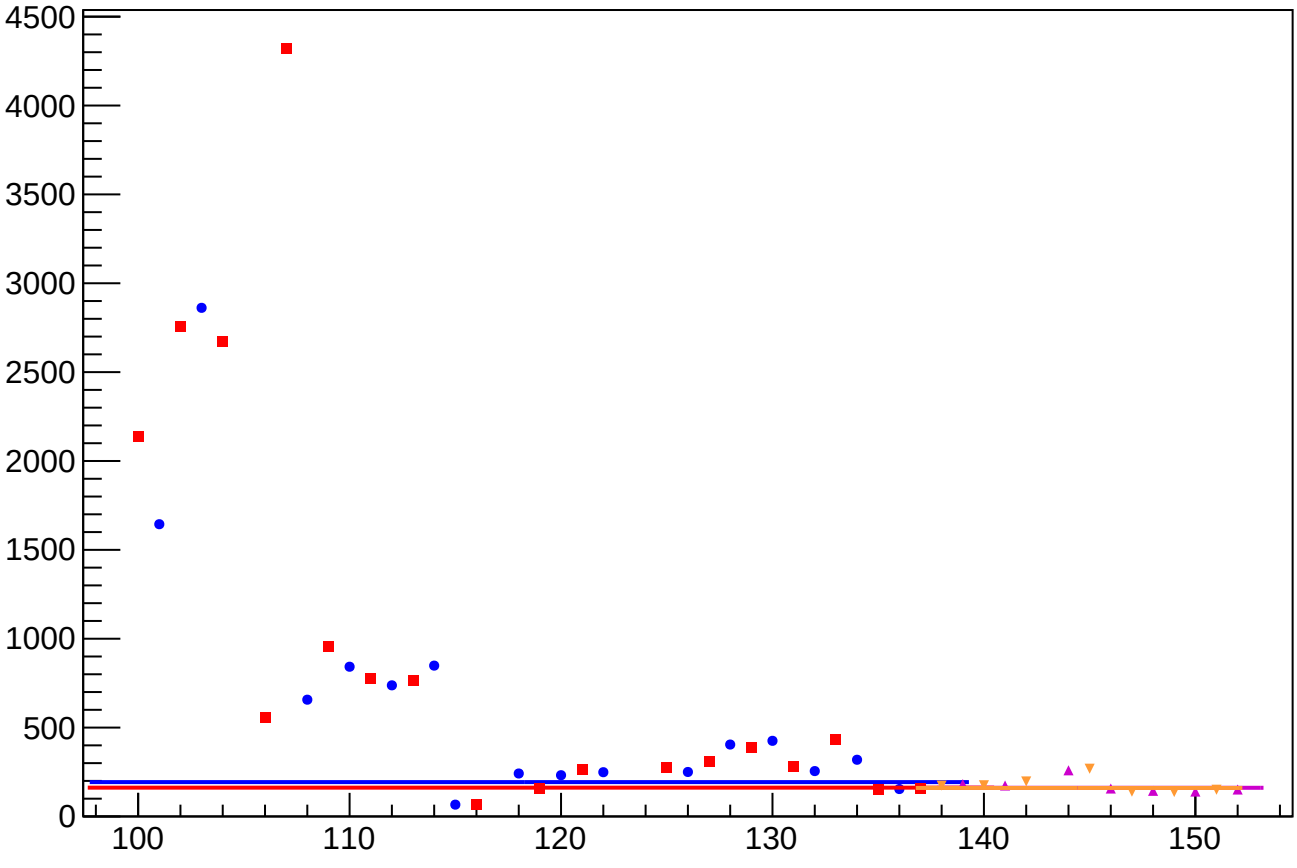
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -80.534+/-66.513 χ^2/NDF:6.9/6

+ sign -111.639+/-56.339 χ^2/NDF: 32.4/22

All: -96.197+/-38.461 χ^2/NDF: 54.3/47

- sign -82.719+/-52.633 χ^2/NDF: 21.8/24



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 160.378+/-0.050 χ^2/NDF:388509.8/6

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

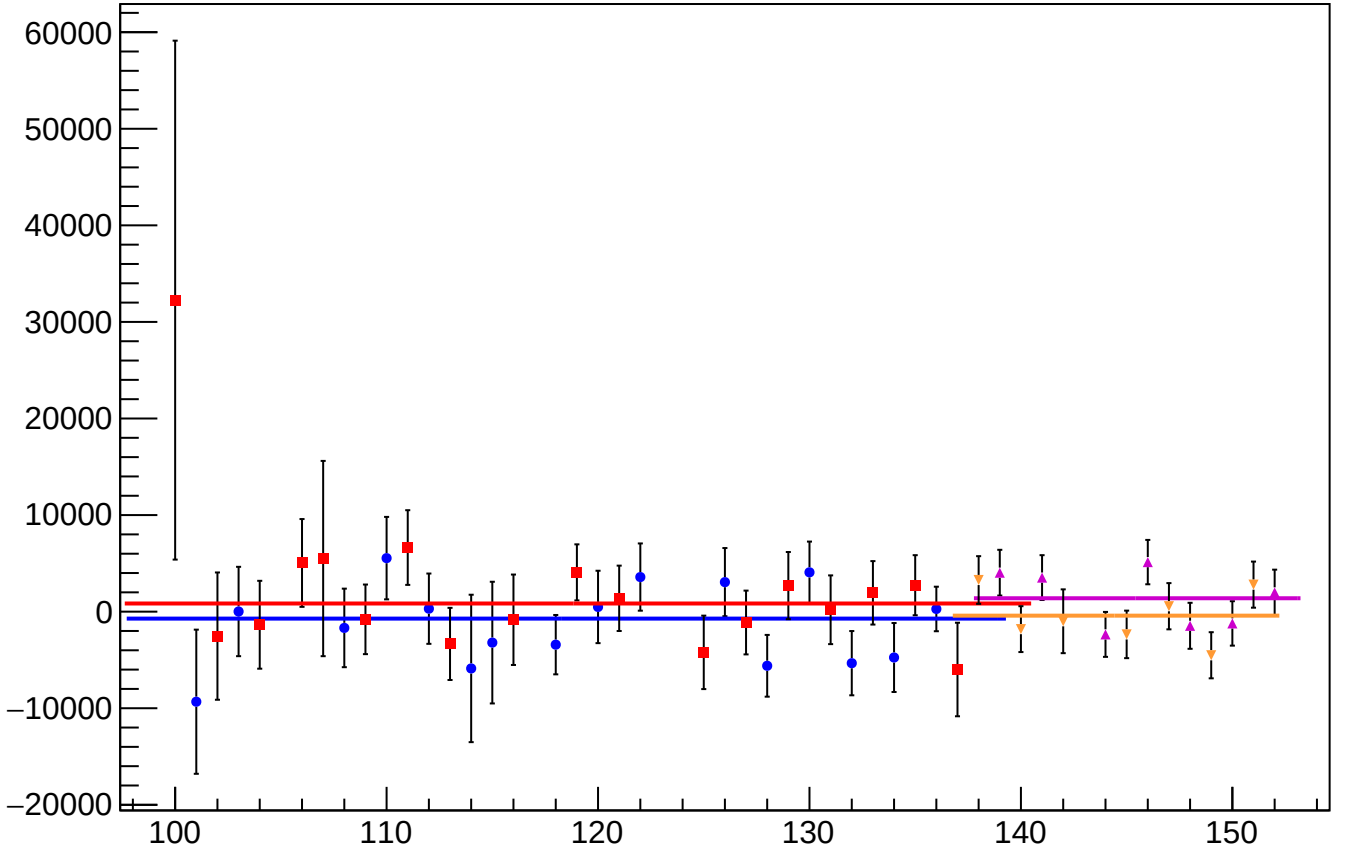
Left In: 161.288+/-0.047 χ^2/NDF:350102.9/6

+ sign 172.598+/-0.040 χ^2/NDF: 6165433.5/22

All: 166.723+/-0.027 χ^2/NDF: 13626925.8/47

- sign 161.596+/-0.037 χ^2/NDF: 7420765.6/24

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -413.981+/-943.265 χ^2/NDF:8.2/6

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

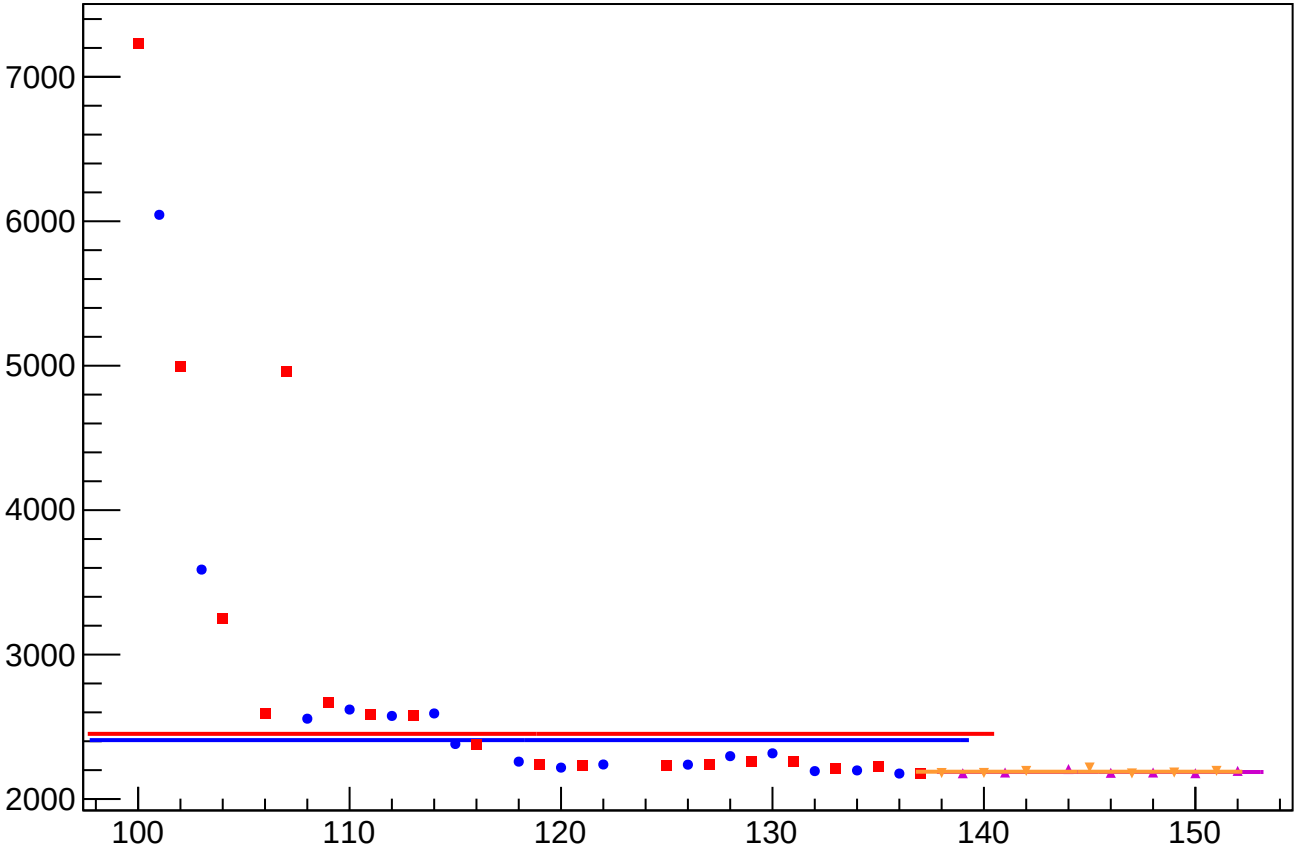
Left In: 1387.934+/-882.641 χ^2/NDF:10.1/6

+ sign -571.215+/-657.221 χ^2/NDF: 24.0/22

All: 302.348+/-458.437 χ^2/NDF: 50.7/47

- sign 1130.175+/-639.786 χ^2/NDF: 23.3/24

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2189.086+/-0.667 χ^2/NDF:407.5/6

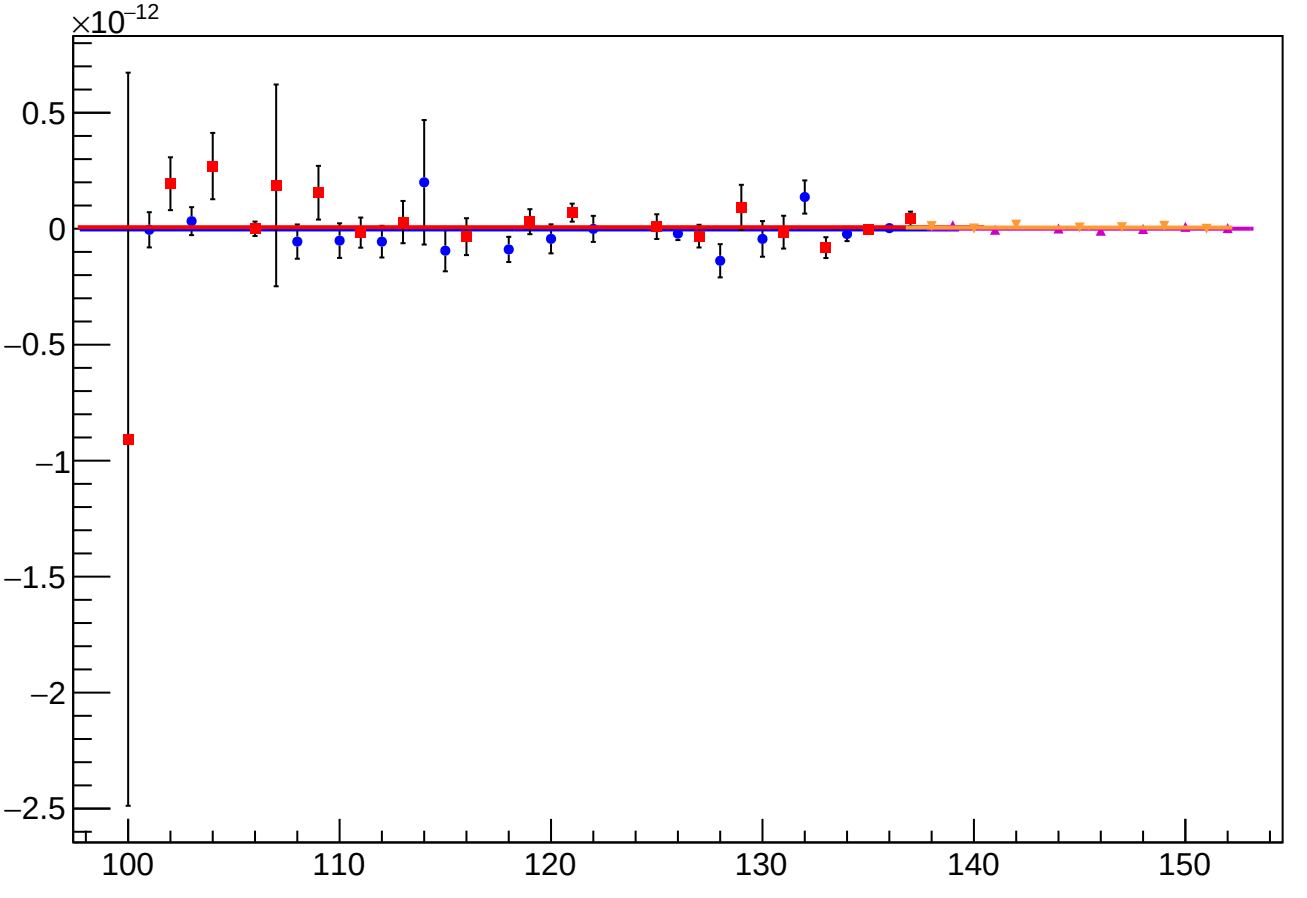
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2187.017+/-0.624 χ^2/NDF:250.4/6

+ sign 2301.620+/-0.465 χ^2/NDF: 732622.4/22

All: 2307.150+/-0.324 χ^2/NDF: 1451774.8/47

- sign 2312.390+/-0.452 χ^2/NDF: 718876.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/6

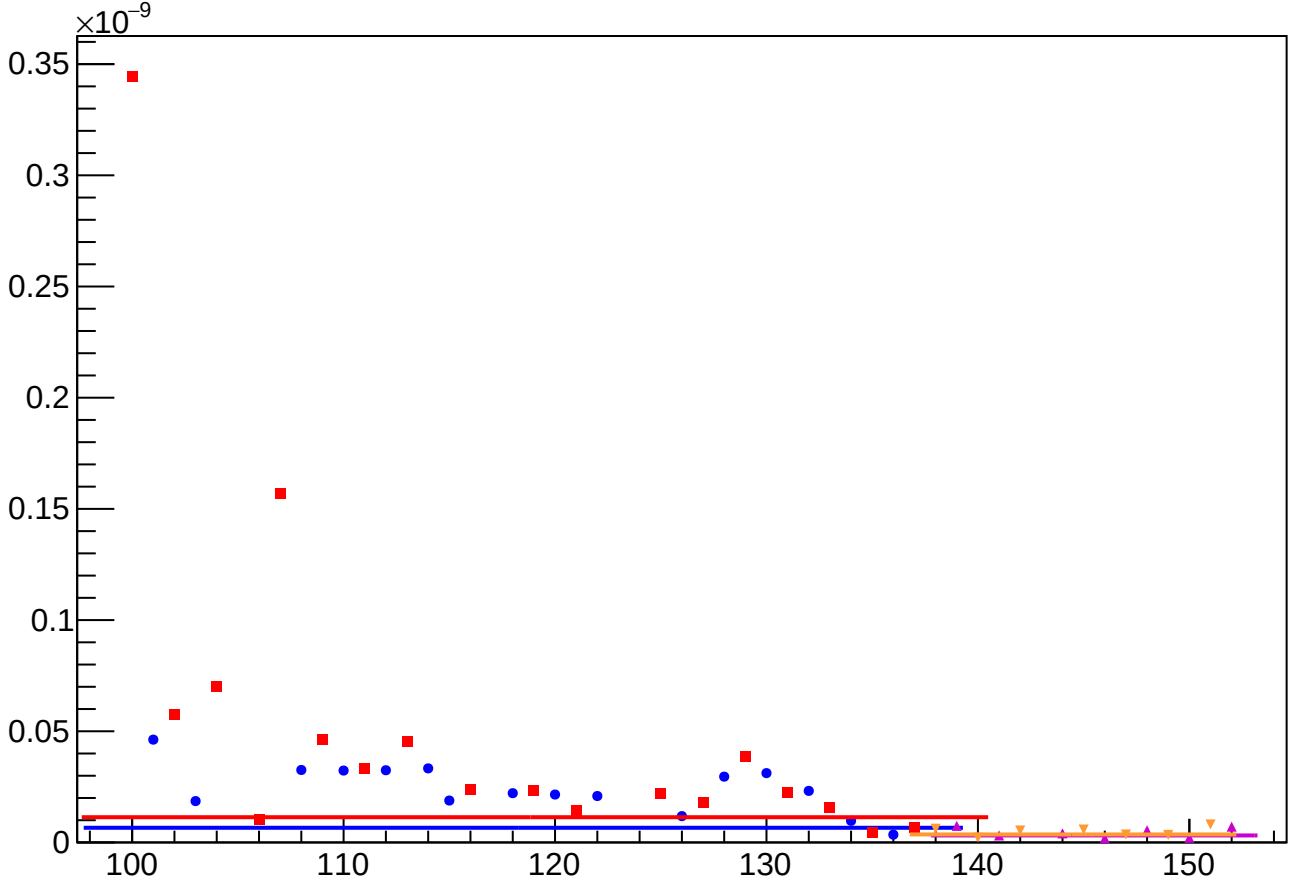
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:7.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 20.5/22

All: 0.000+/-0.000 χ^2/NDF: 48.3/47

- sign 0.000+/-0.000 χ^2/NDF: 27.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:758121.9/6

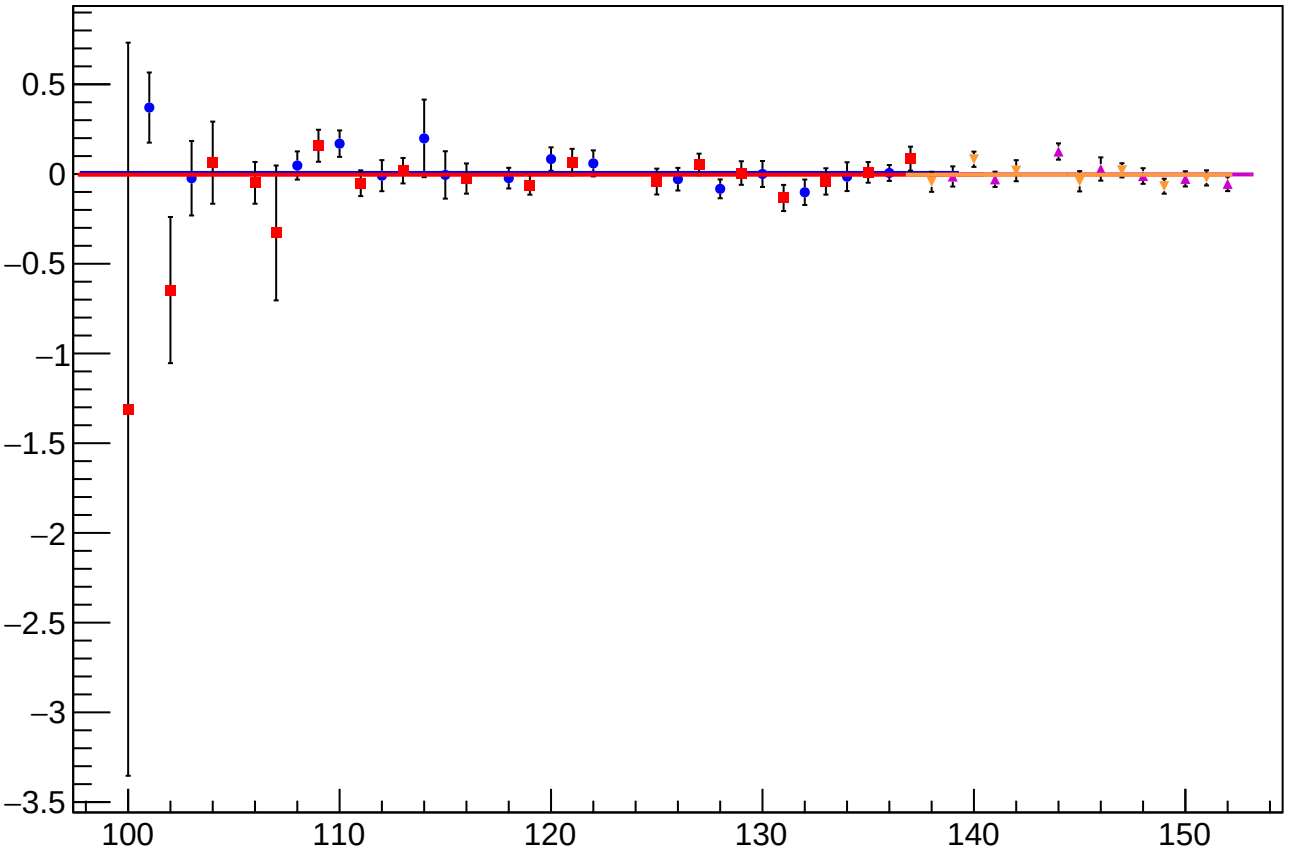
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:781851.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 3995419.6/22

All: 0.000+/-0.000 χ^2/NDF: 8815345.4/47

- sign 0.000+/-0.000 χ^2/NDF: 4795535.7/24



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:8.1/6

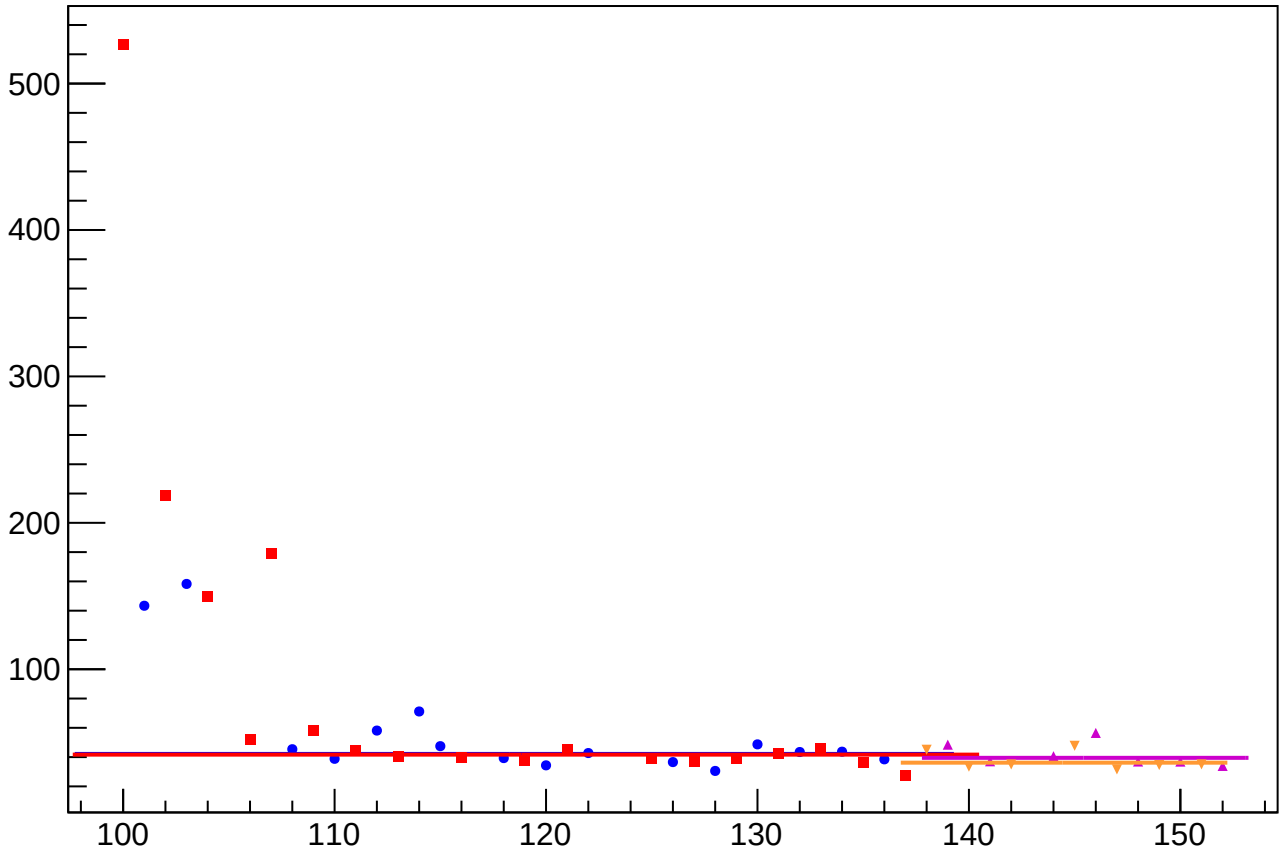
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.002+/-0.017 χ^2/NDF:10.6/6

+ sign 0.001+/-0.013 χ^2/NDF: 25.4/22

All: -0.001+/-0.009 χ^2/NDF: 52.4/47

- sign -0.003+/-0.013 χ^2/NDF: 26.9/24



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.197+/-0.012 χ^2/NDF:173379.3/6

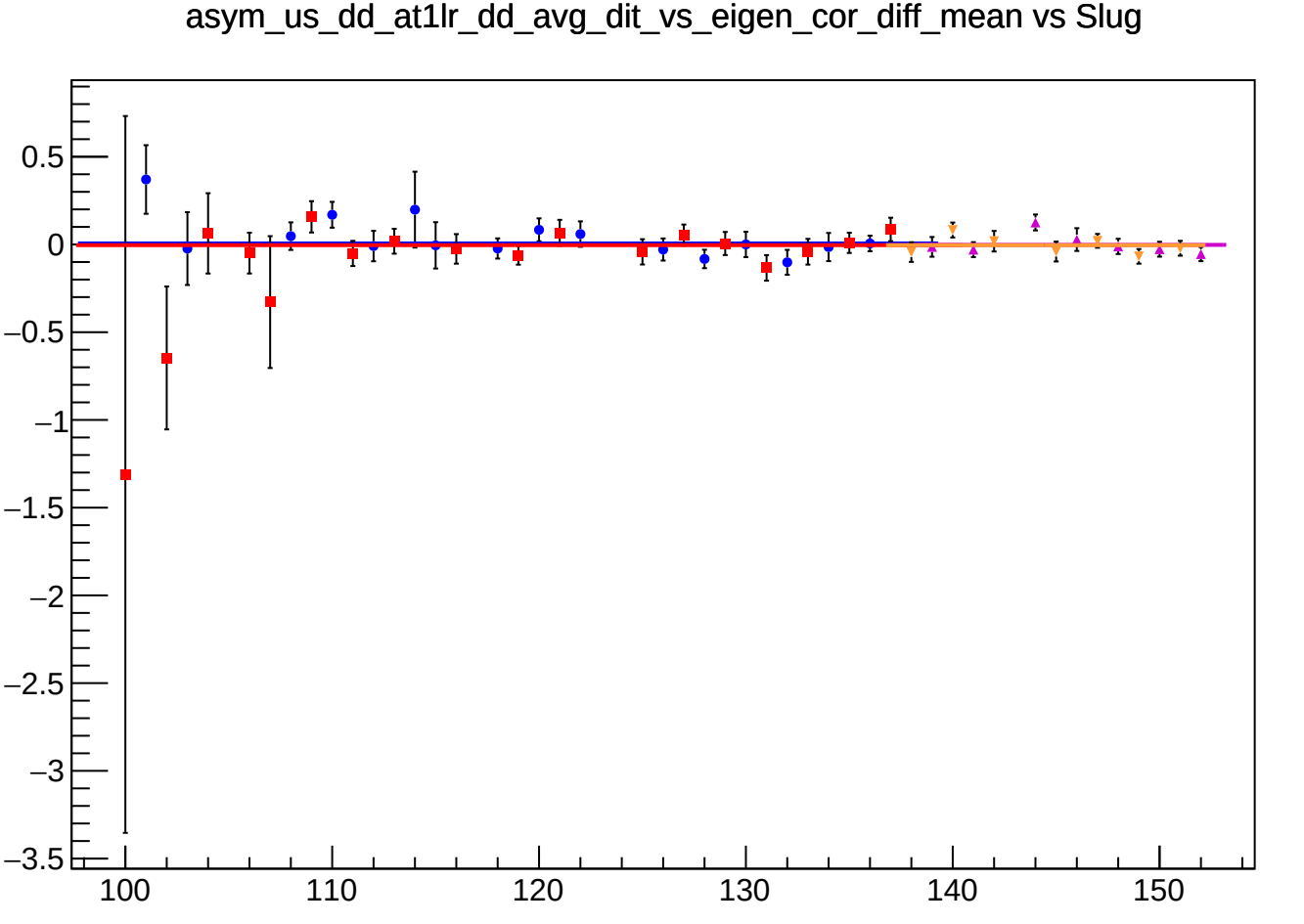
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.501+/-0.012 χ^2/NDF:247123.2/6

+ sign 39.061+/-0.009 χ^2/NDF: 1738898.7/22

All: 39.790+/-0.006 χ^2/NDF: 3455355.3/47

- sign 40.526+/-0.009 χ^2/NDF: 1703108.2/24



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:8.1/6

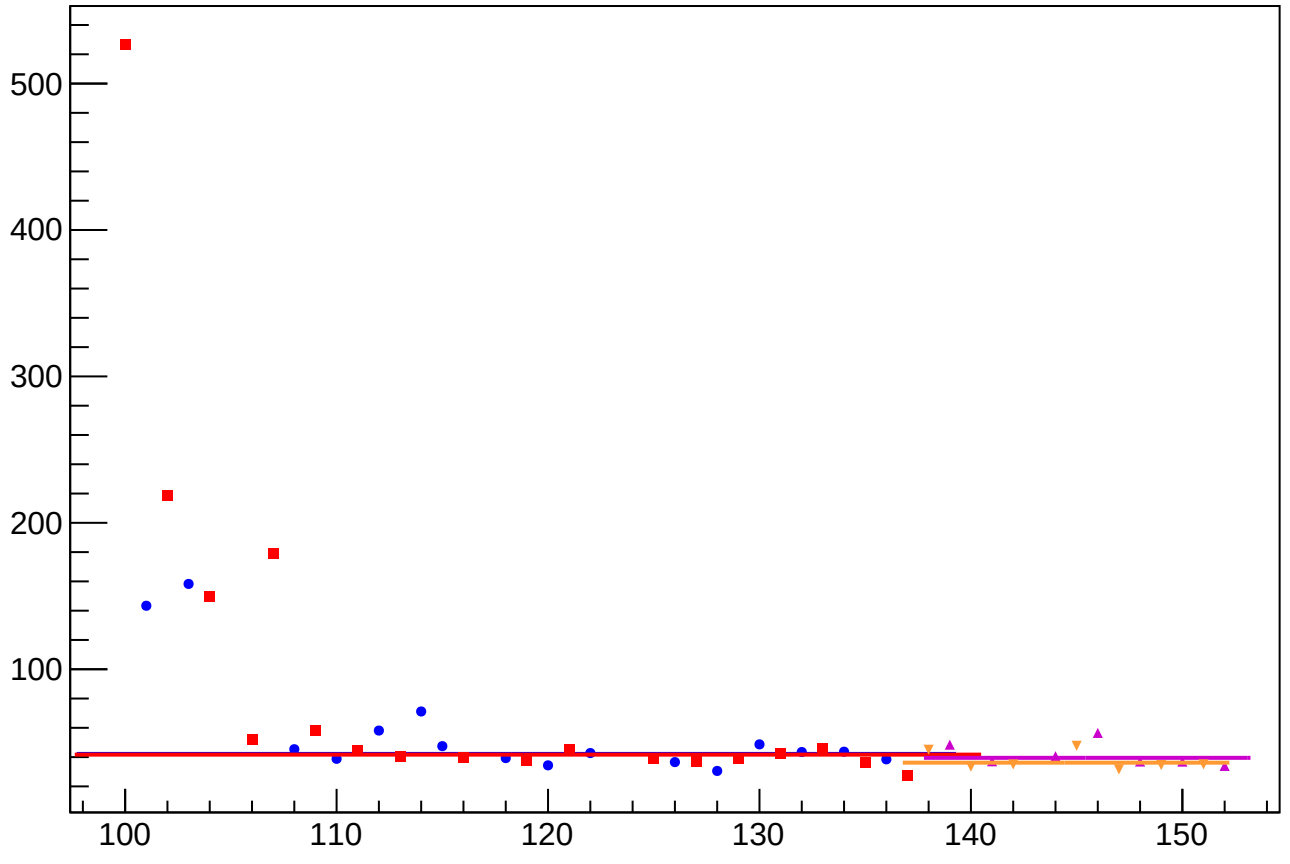
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.002+/-0.017 χ^2/NDF:10.6/6

+ sign 0.001+/-0.013 χ^2/NDF: 25.4/22

All: -0.001+/-0.009 χ^2/NDF: 52.4/47

- sign -0.003+/-0.013 χ^2/NDF: 26.9/24



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.197+/-0.012 χ^2/NDF:173379.3/6

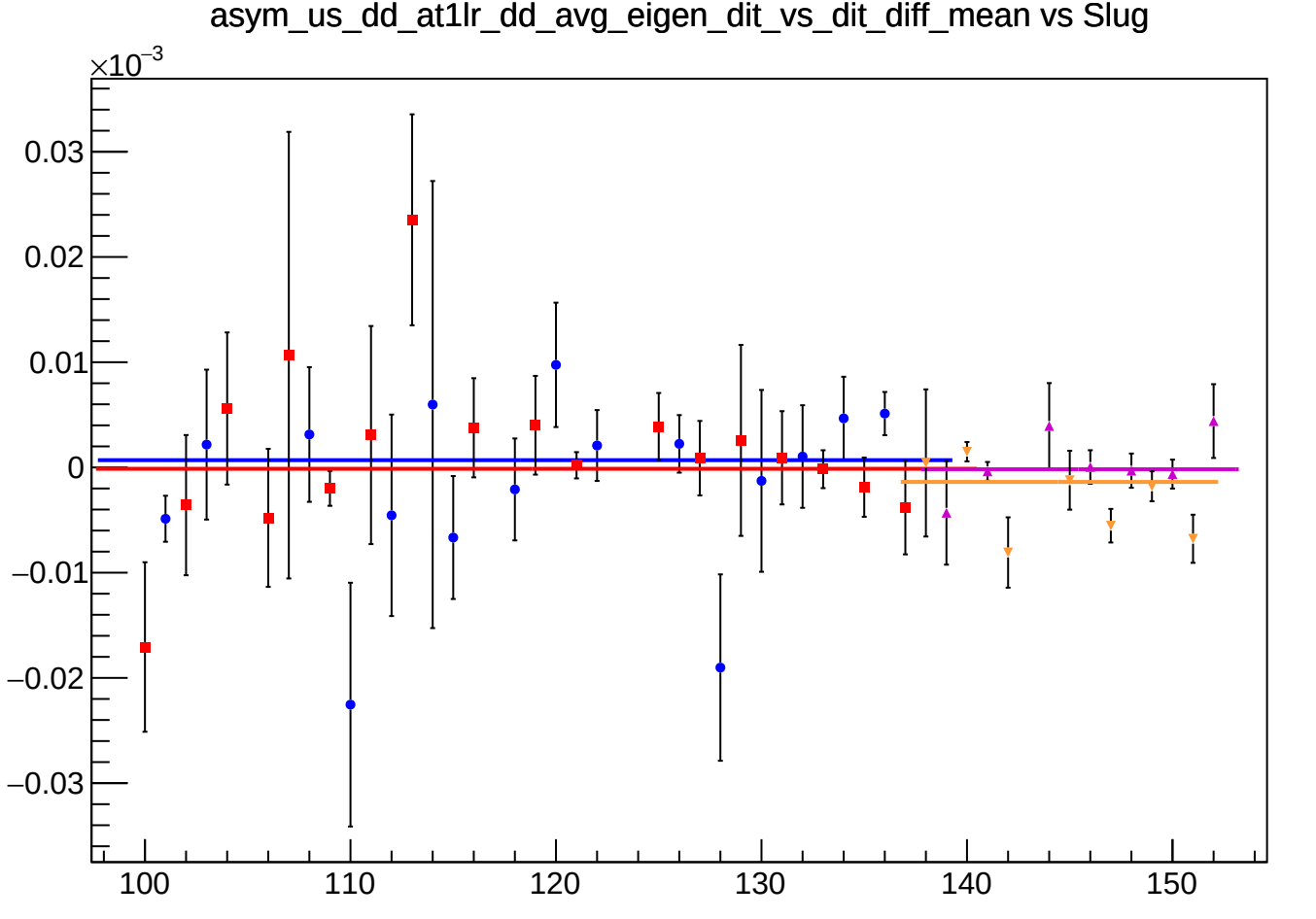
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.501+/-0.012 χ^2/NDF:247123.2/6

+ sign 39.061+/-0.009 χ^2/NDF: 1738898.7/22

All: 39.790+/-0.006 χ^2/NDF: 3455355.3/47

- sign 40.526+/-0.009 χ^2/NDF: 1703108.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.4/6

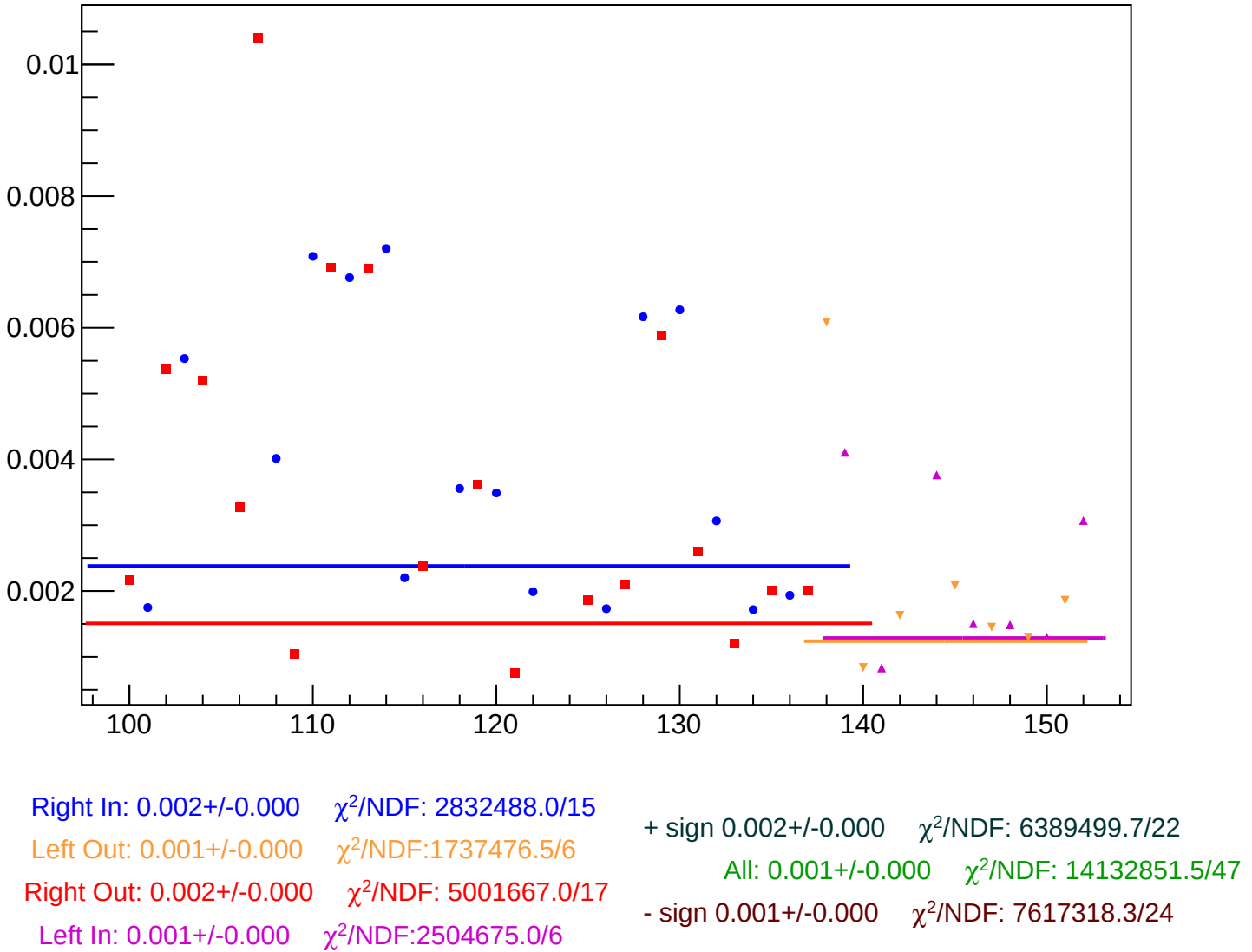
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

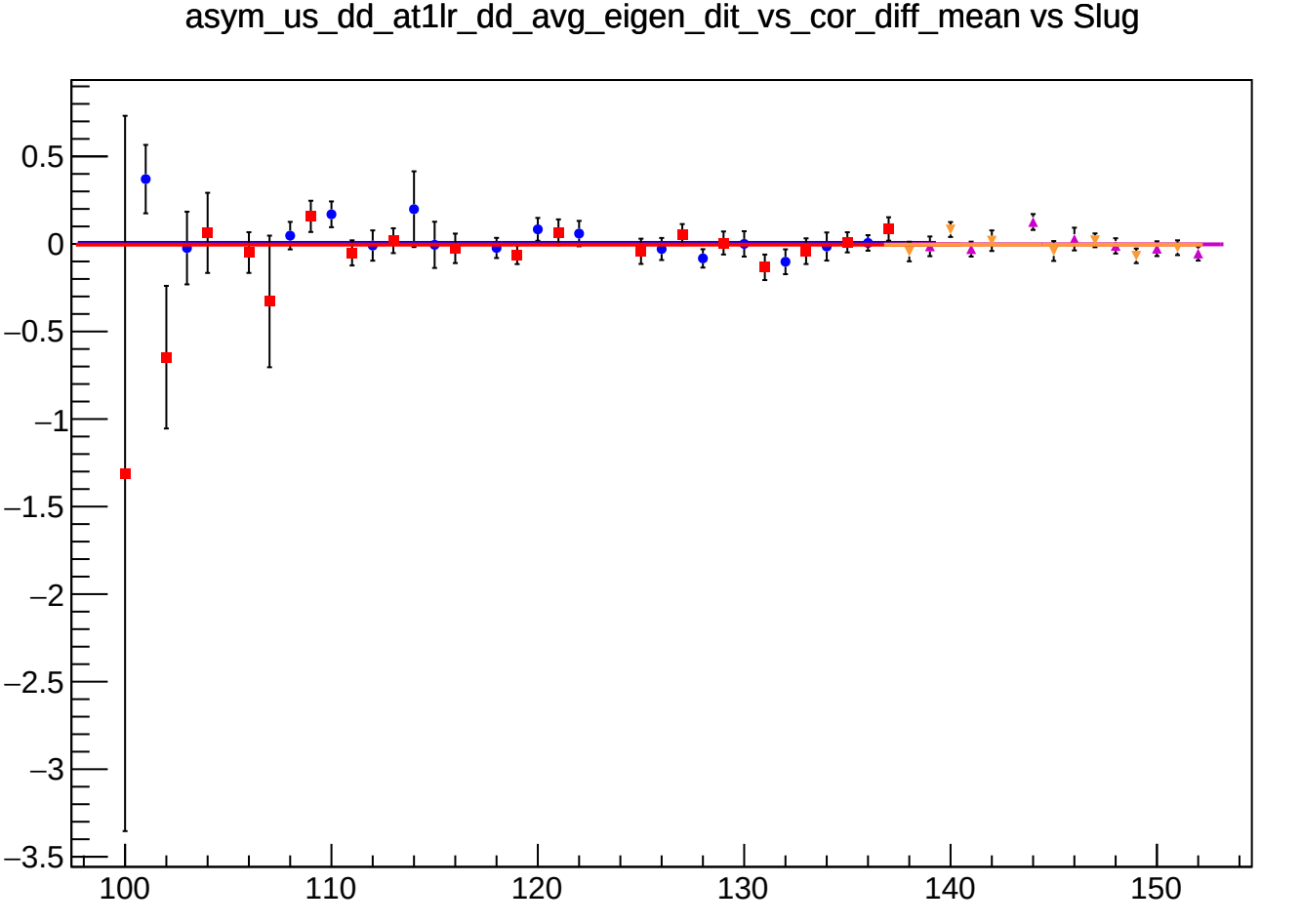
Left In: -0.000+/-0.000 χ^2/NDF:3.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 55.8/22

All: -0.000+/-0.000 χ^2/NDF: 77.7/47

- sign -0.000+/-0.000 χ^2/NDF: 21.0/24


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:1737476.5/6
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:2504675.0/6
+ sign 0.002+/-0.000 χ²/NDF: 6389499.7/22
All: 0.001+/-0.000 χ²/NDF: 14132851.5/47
- sign 0.001+/-0.000 χ²/NDF: 7617318.3/24



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:8.1/6

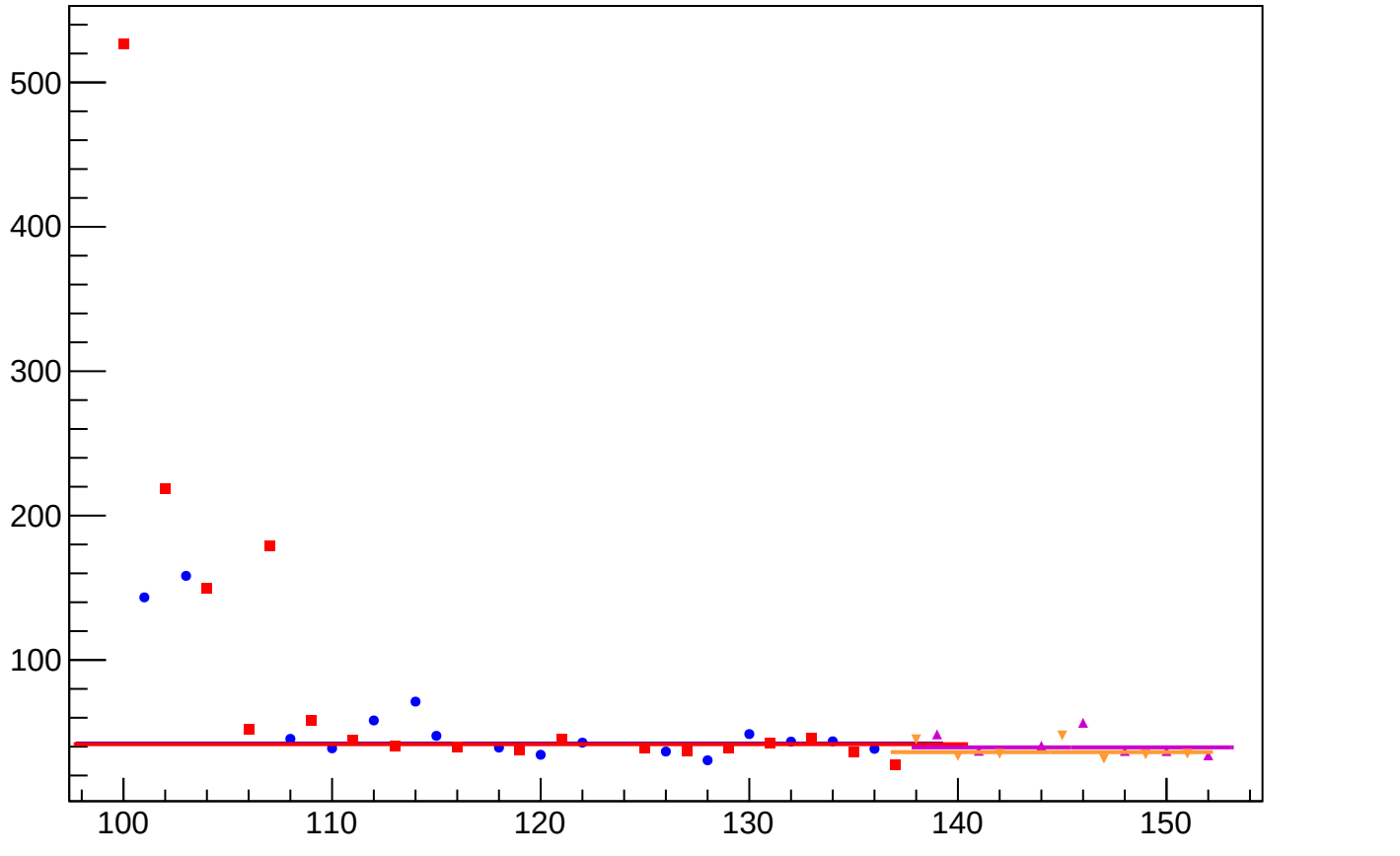
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.002+/-0.017 χ^2/NDF:10.6/6

+ sign 0.001+/-0.013 χ^2/NDF: 25.4/22

All: -0.001+/-0.009 χ^2/NDF: 52.4/47

- sign -0.003+/-0.013 χ^2/NDF: 26.9/24



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 36.198+/-0.012 χ^2/NDF:173357.8/6

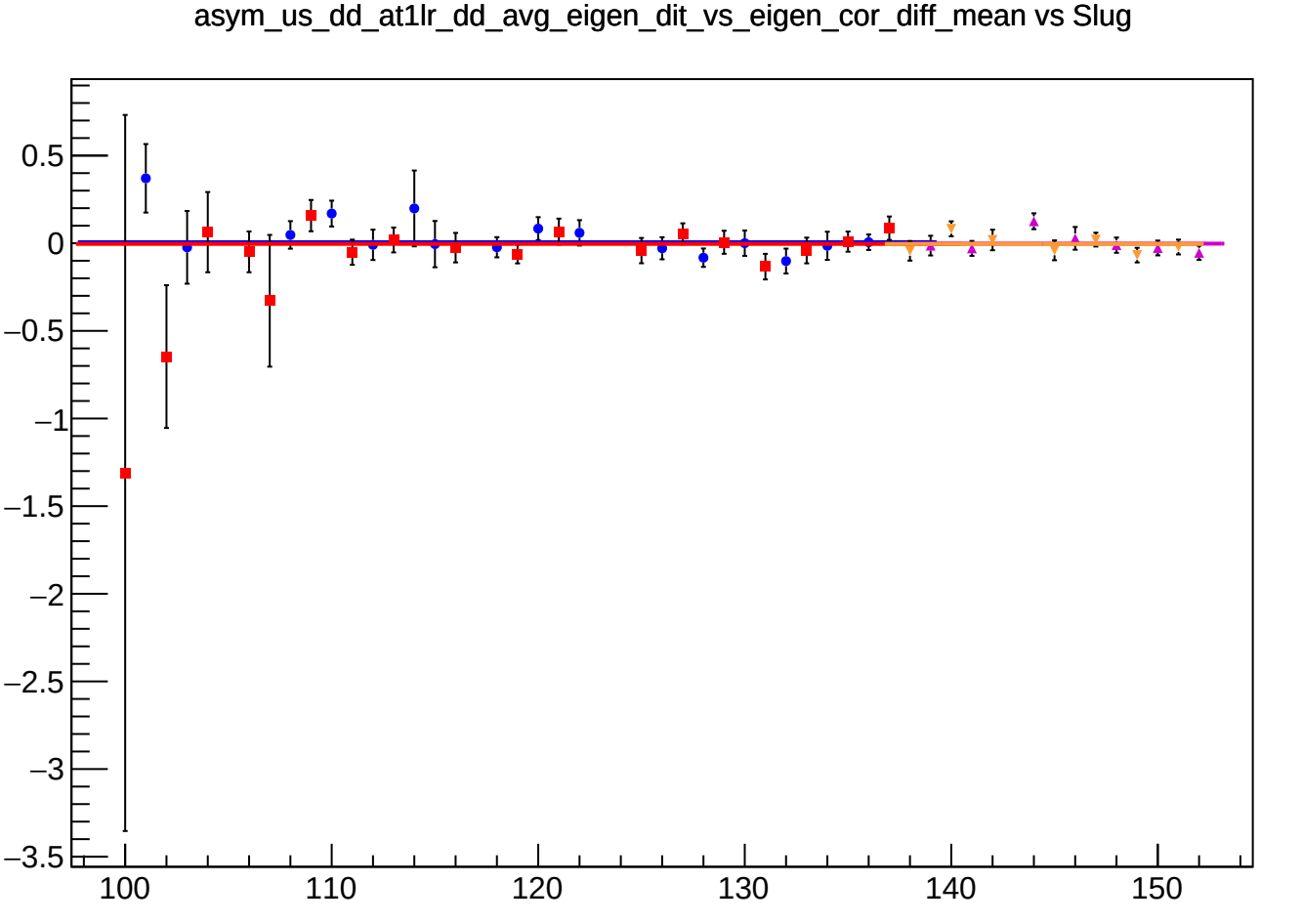
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.501+/-0.012 χ^2/NDF:247155.4/6

+ sign 39.060+/-0.009 χ^2/NDF: 1738988.8/22

All: 39.790+/-0.006 χ^2/NDF: 3455484.4/47

- sign 40.527+/-0.009 χ^2/NDF: 1703130.1/24



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:8.1/6

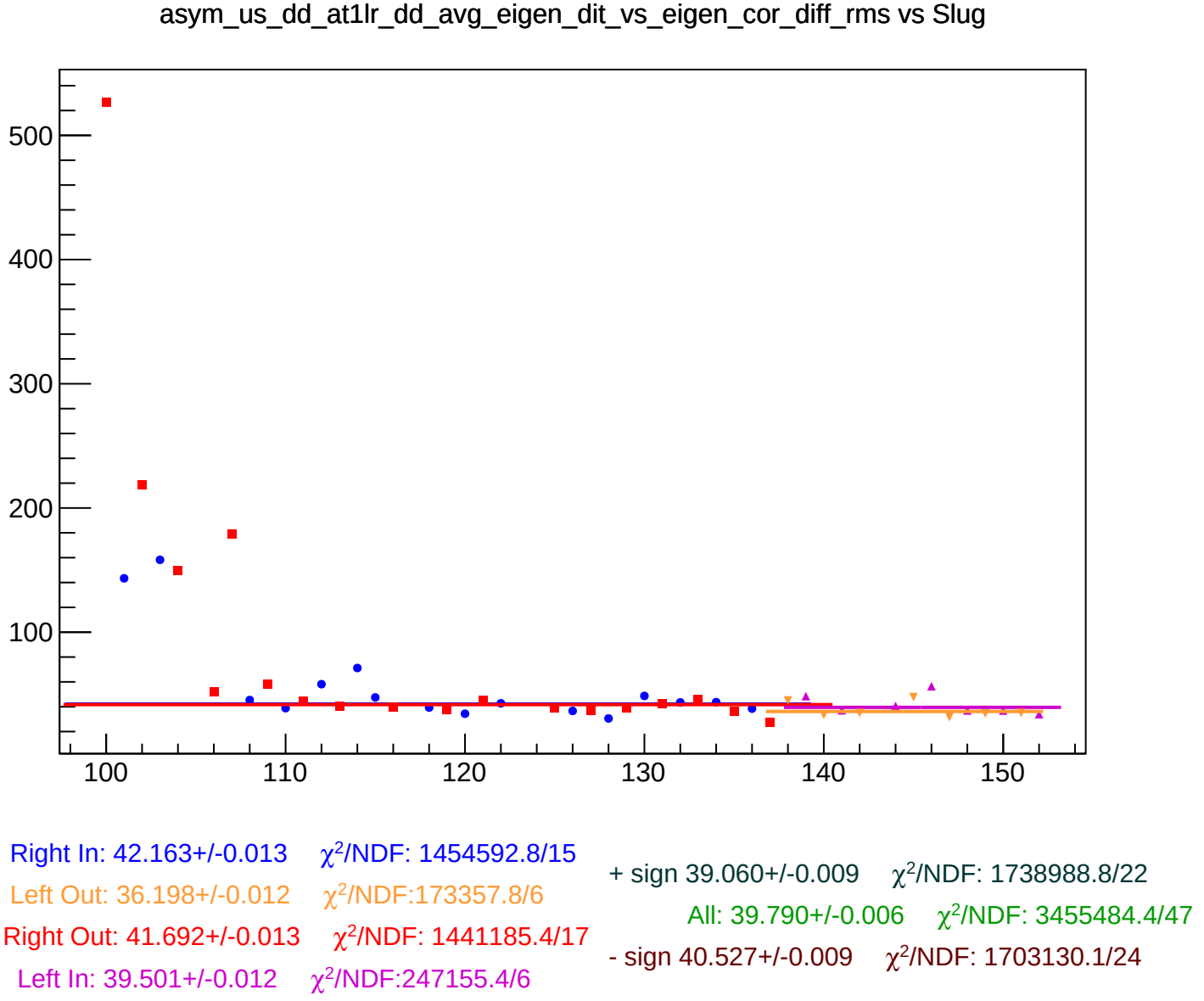
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

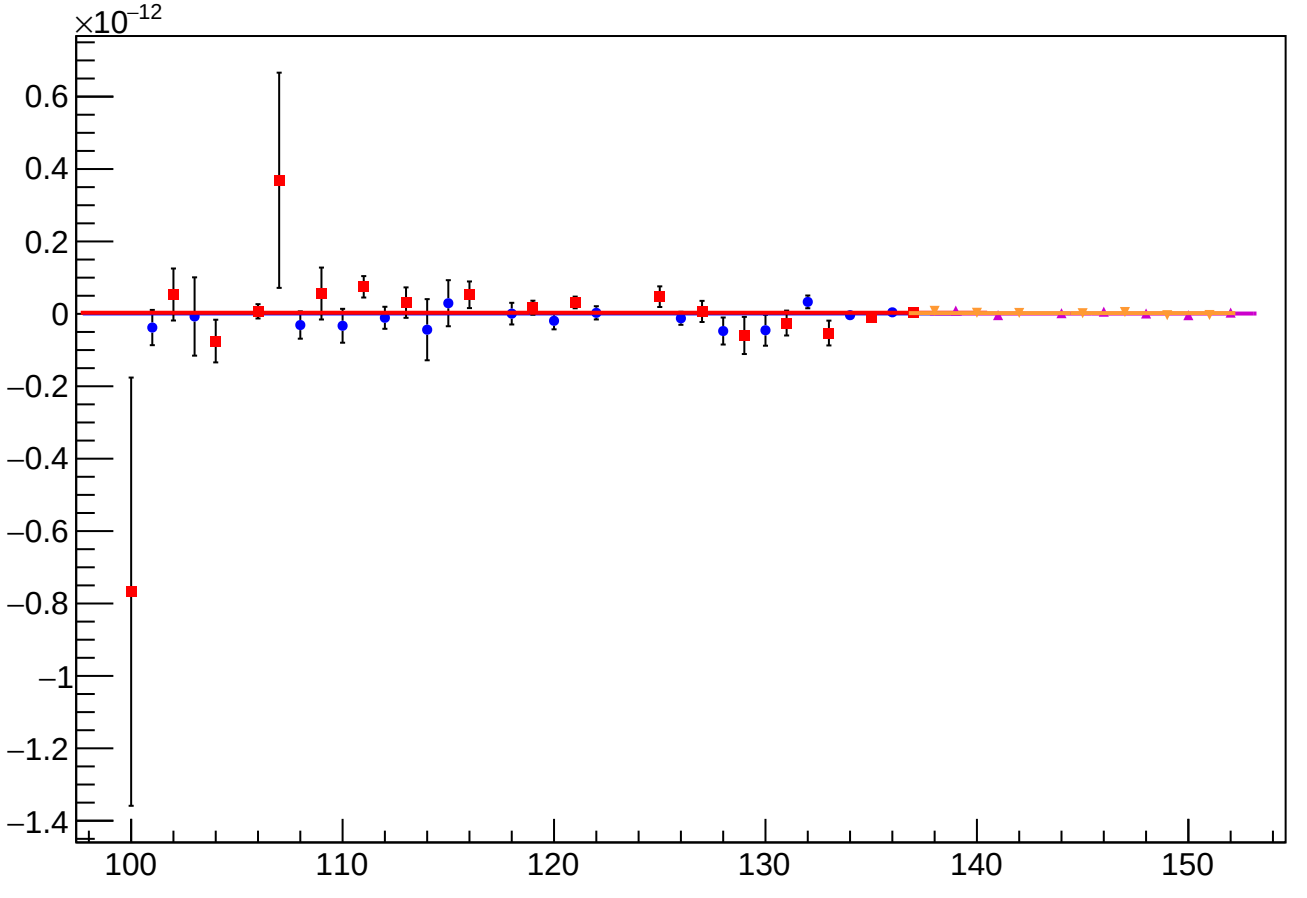
Left In: -0.002+/-0.017 χ^2/NDF:10.6/6

+ sign 0.001+/-0.013 χ^2/NDF: 25.4/22

All: -0.001+/-0.009 χ^2/NDF: 52.4/47

- sign -0.003+/-0.013 χ^2/NDF: 26.9/24


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: 36.198+/-0.012 χ²/NDF:173357.8/6
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 39.501+/-0.012 χ²/NDF:247155.4/6
+ sign 39.060+/-0.009 χ²/NDF: 1738988.8/22
All: 39.790+/-0.006 χ²/NDF: 3455484.4/47
- sign 40.527+/-0.009 χ²/NDF: 1703130.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/6

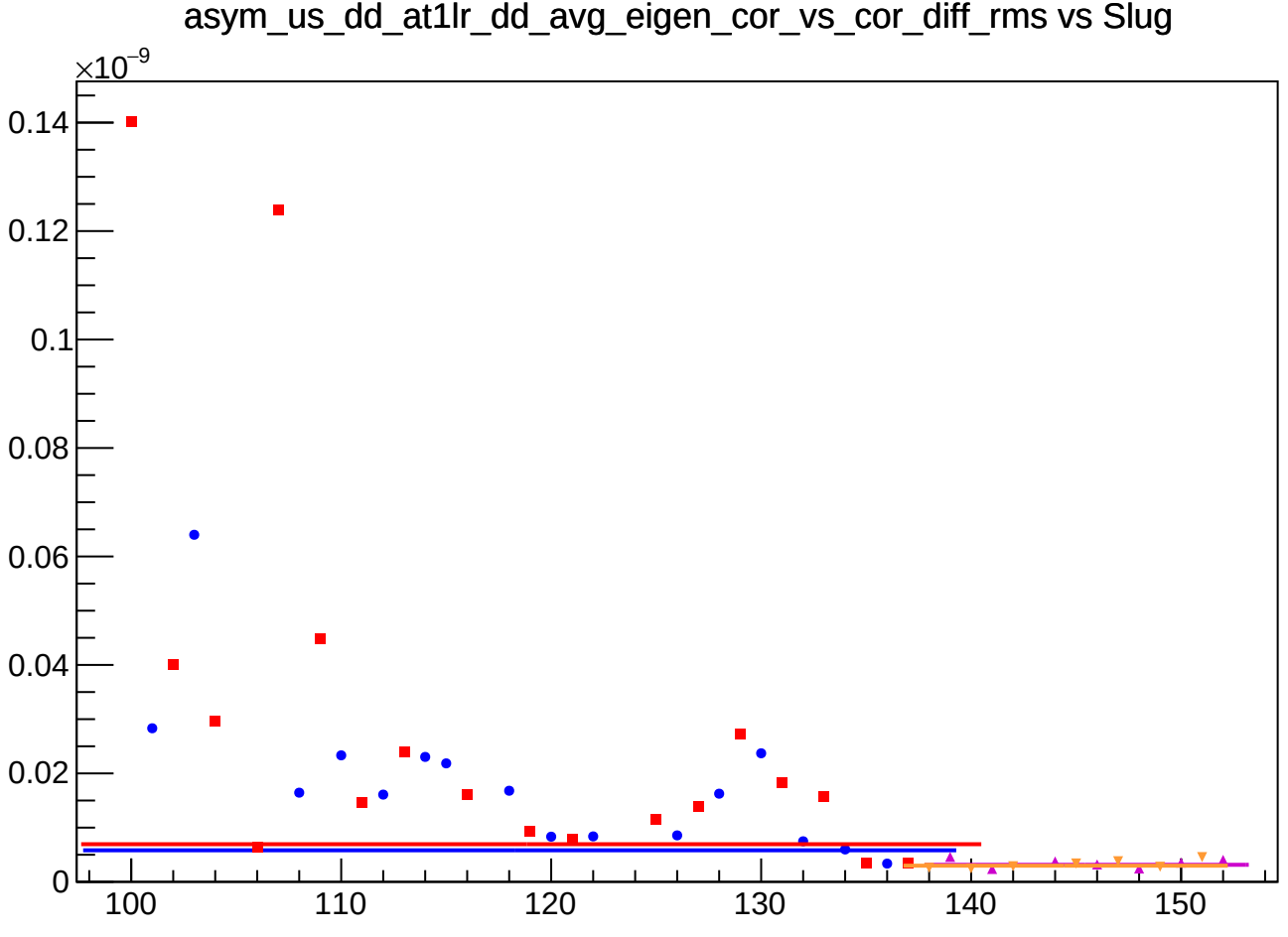
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:5.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 15.2/22

All: 0.000+/-0.000 χ^2/NDF: 49.6/47

- sign 0.000+/-0.000 χ^2/NDF: 34.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:232060.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

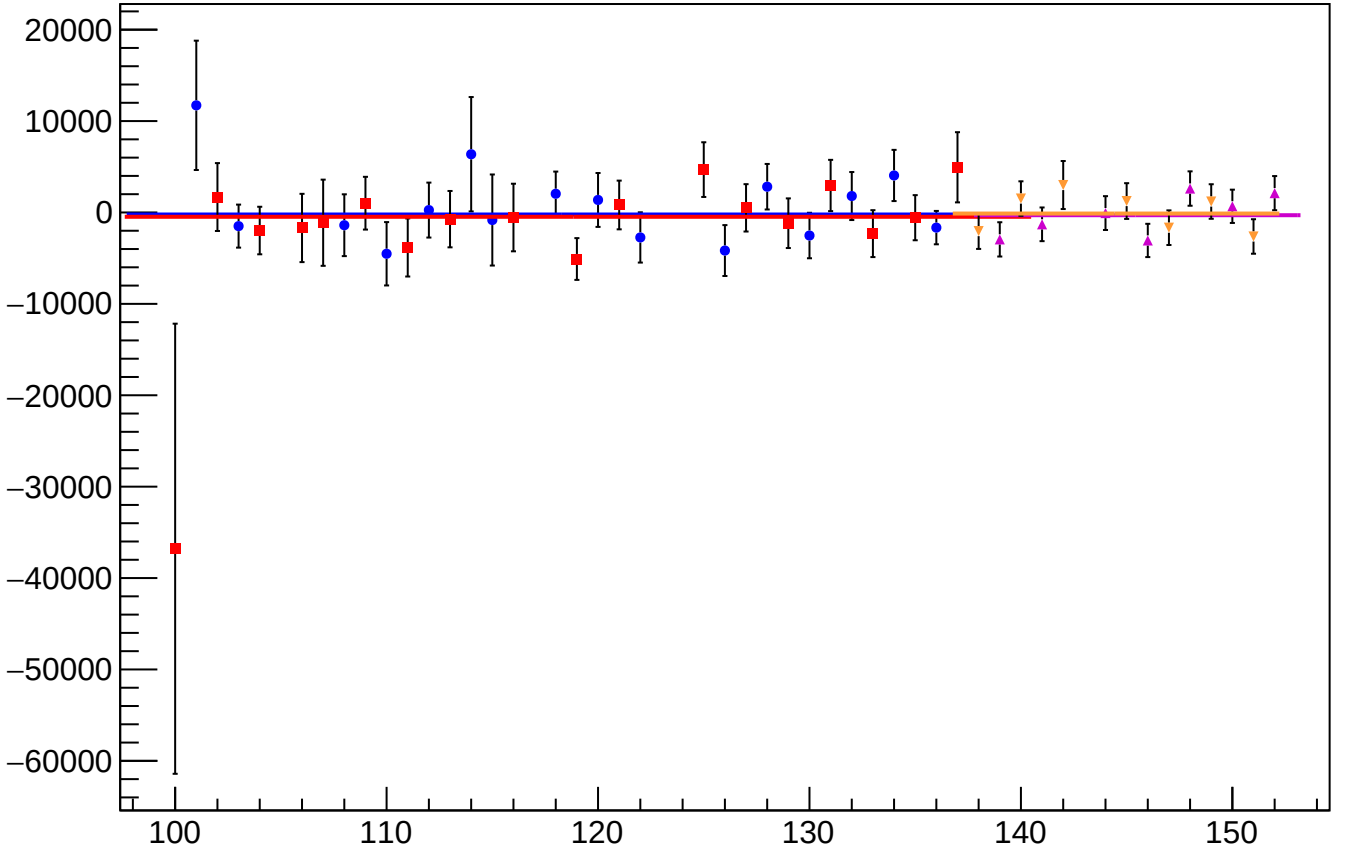
Left In: 0.000+/-0.000 χ^2/NDF:332109.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 4398439.8/22

All: 0.000+/-0.000 χ^2/NDF: 9655023.9/47

- sign 0.000+/-0.000 χ^2/NDF: 5248288.9/24

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: -118.410+/-747.416 χ^2/NDF:6.5/6

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

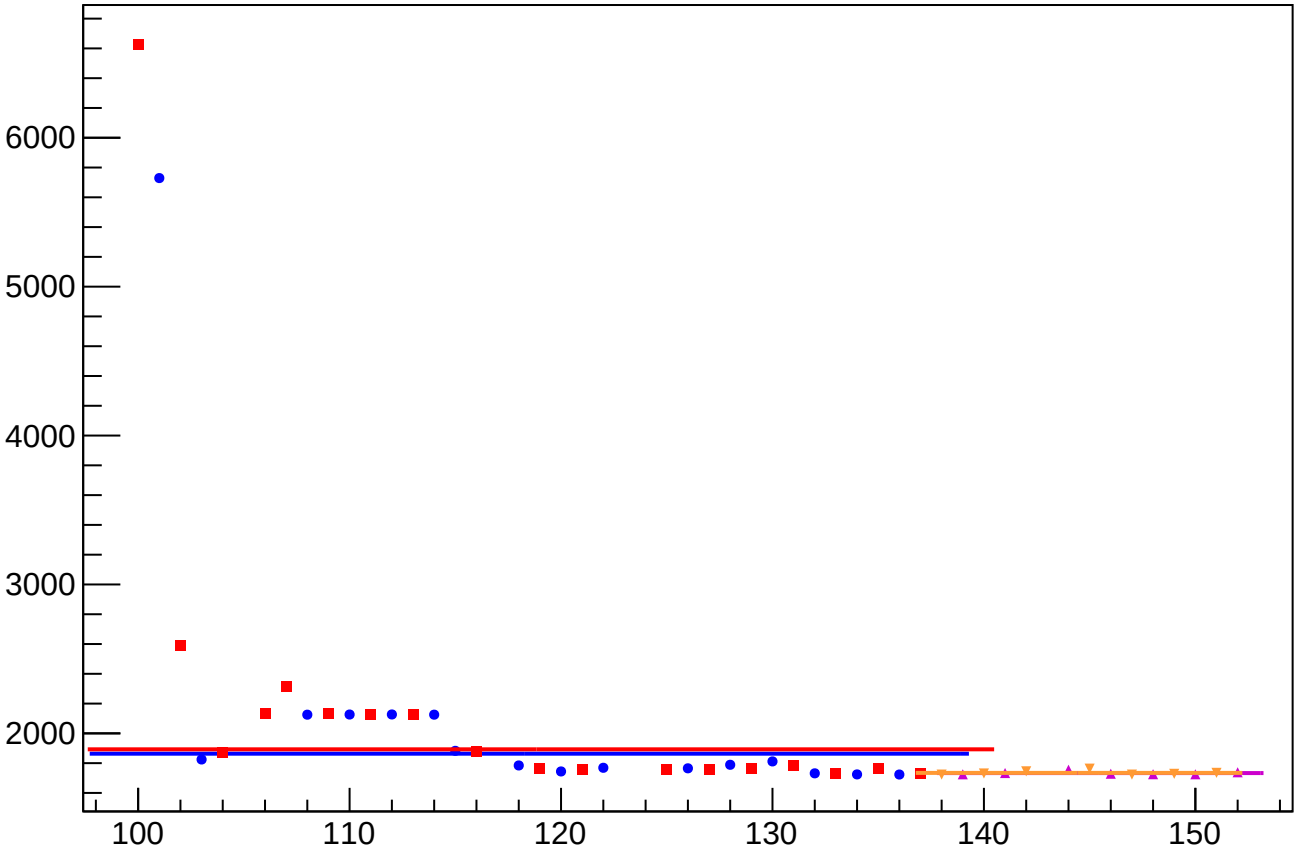
Left In: -300.461+/-699.550 χ^2/NDF:9.0/6

+ sign -173.440+/-514.441 χ^2/NDF: 22.4/22

All: -282.472+/-358.114 χ^2/NDF: 47.3/47

- sign -384.982+/-498.820 χ^2/NDF: 24.9/24

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1734.544+/-0.529 χ^2/NDF:627.2/6

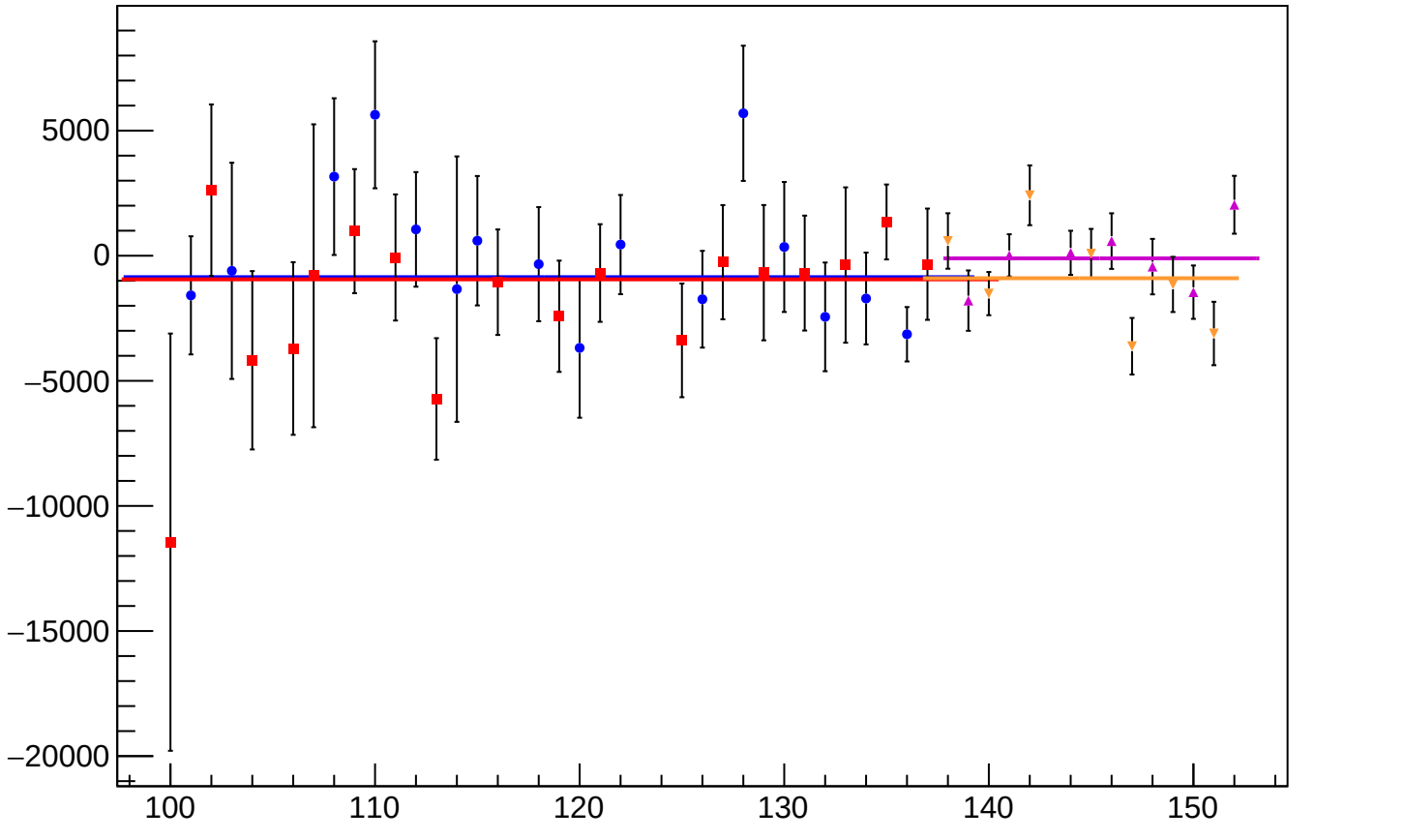
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.342+/-0.495 χ^2/NDF:435.3/6

+ sign 1802.450+/-0.364 χ^2/NDF: 706663.8/22

All: 1807.246+/-0.253 χ^2/NDF: 1010071.8/47

- sign 1811.756+/-0.353 χ^2/NDF: 303070.7/24



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -899.606+/-404.854 χ^2/NDF:19.8/6

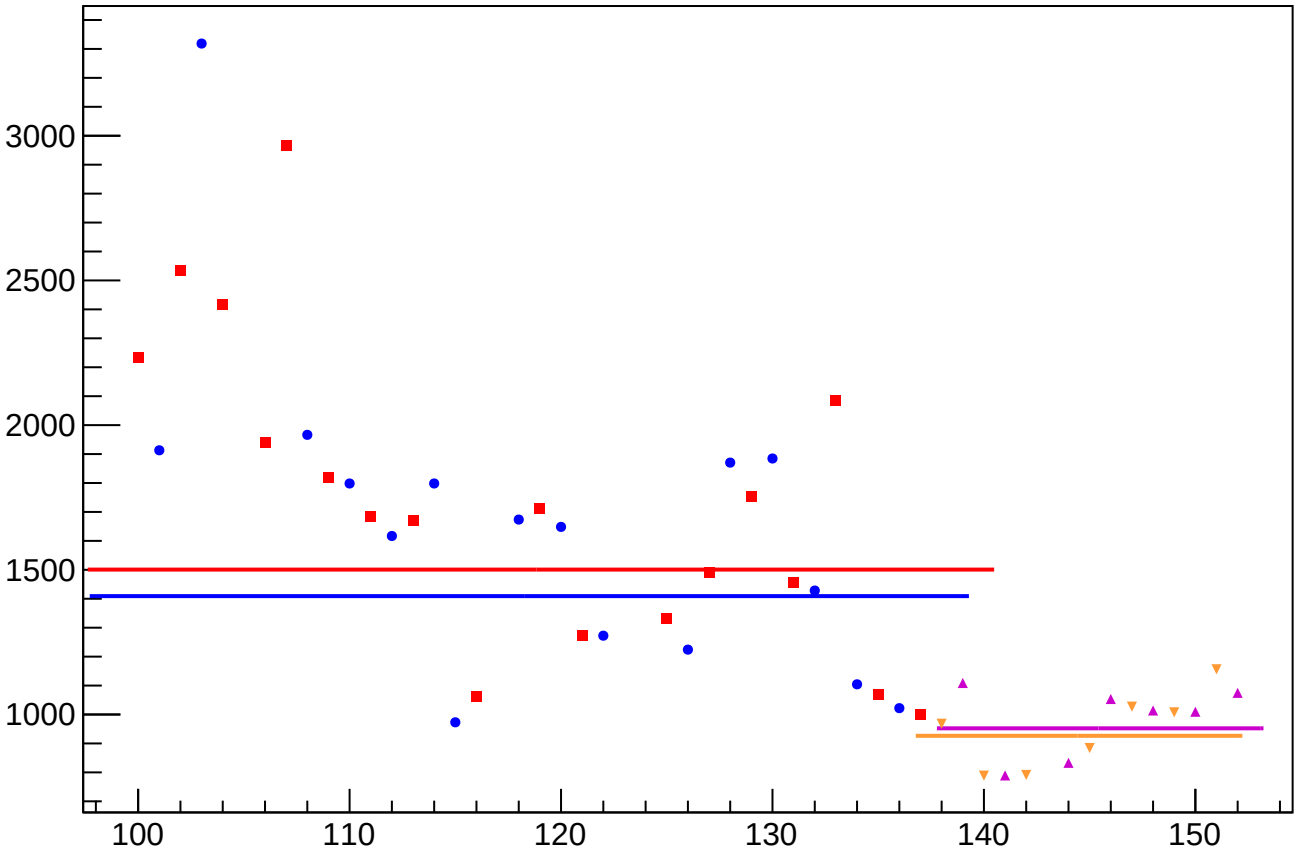
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -106.542+/-388.459 χ^2/NDF:7.6/6

+ sign -884.730+/-326.002 χ^2/NDF: 40.5/22

All: -622.135+/-229.605 χ^2/NDF: 63.6/47

- sign -363.660+/-323.435 χ^2/NDF: 21.9/24



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 926.427+/-0.286 χ^2/NDF:175307.2/6

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

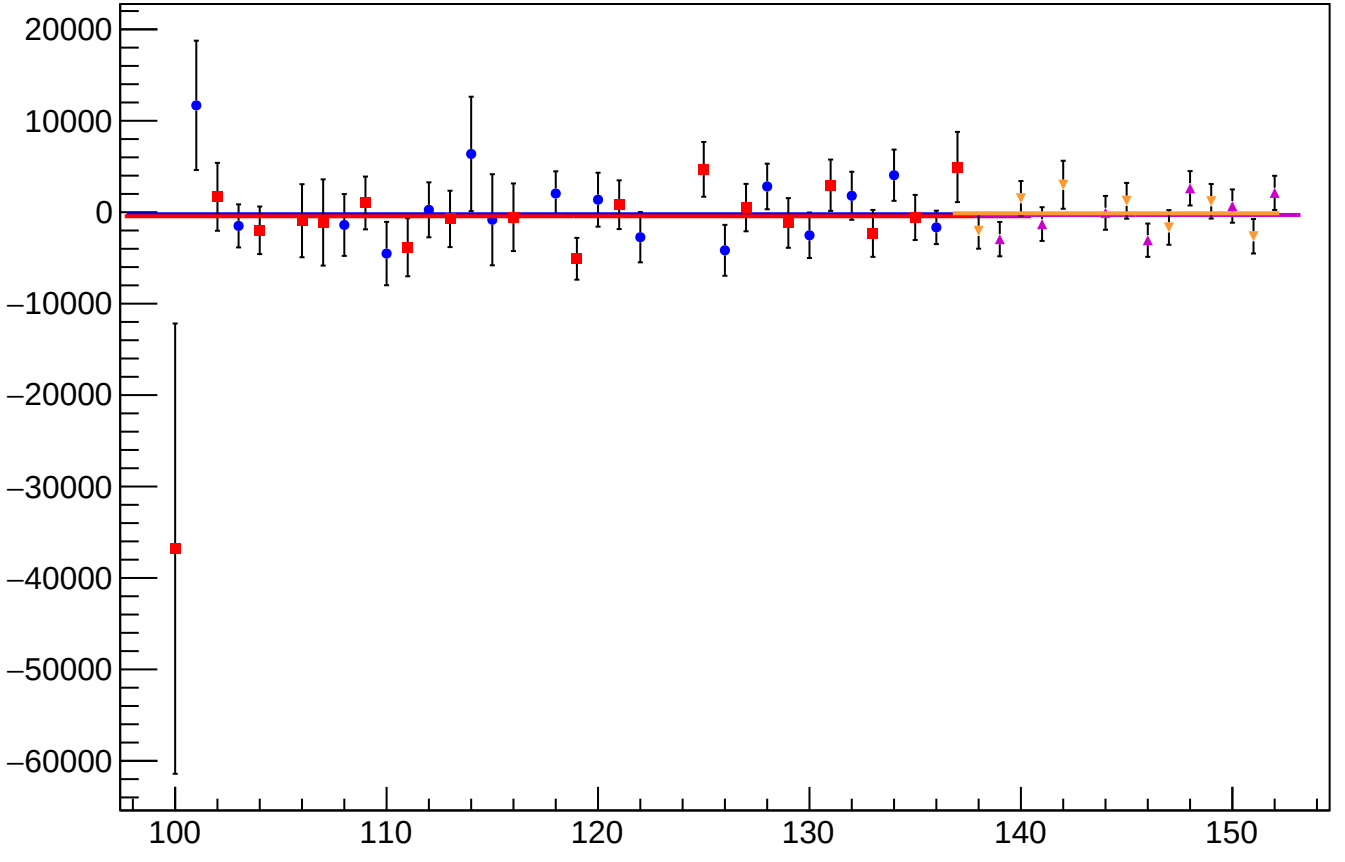
Left In: 952.272+/-0.275 χ^2/NDF:195769.9/6

+ sign 1096.132+/-0.231 χ^2/NDF: 2342503.1/22

All: 1108.431+/-0.162 χ^2/NDF: 4797999.9/47

- sign 1120.538+/-0.229 χ^2/NDF: 2449847.7/24

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: -118.254+/-747.416 χ^2/NDF:6.5/6

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

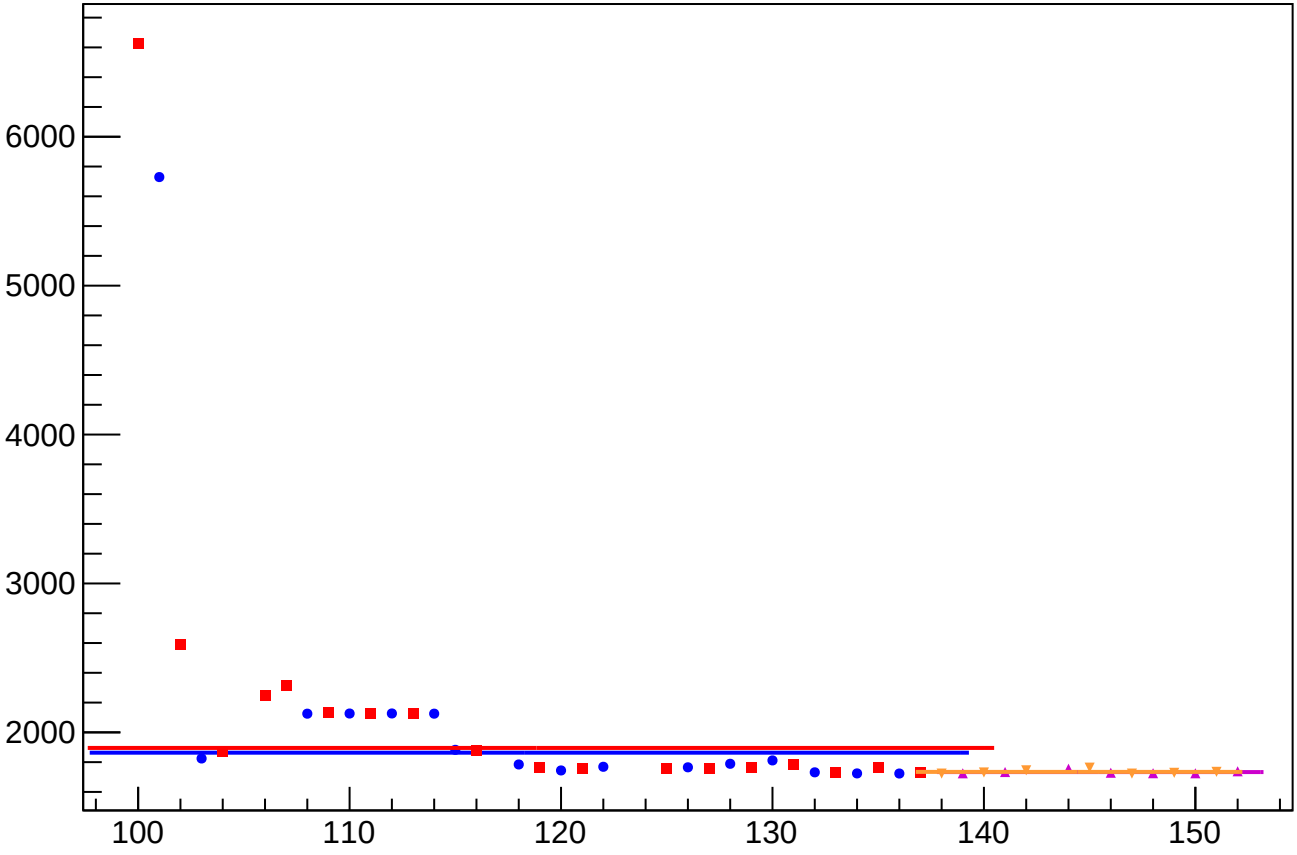
Left In: -300.465+/-699.550 χ^2/NDF:9.0/6

+ sign -173.774+/-514.441 χ^2/NDF: 22.4/22

All: -274.996+/-358.321 χ^2/NDF: 47.2/47

- sign -370.376+/-499.378 χ^2/NDF: 24.8/24

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1734.544+/-0.529 χ^2/NDF:627.2/6

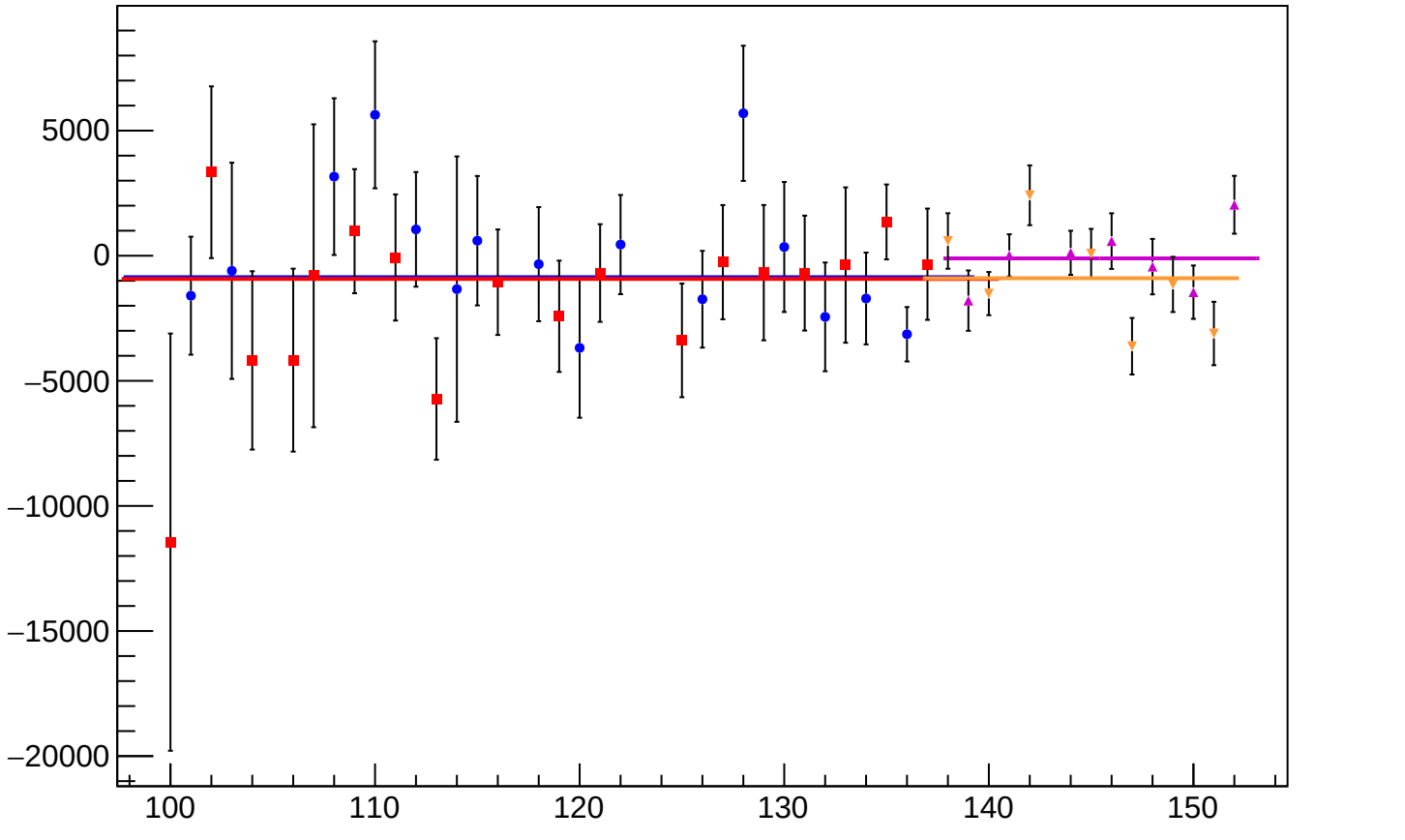
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.342+/-0.495 χ^2/NDF:435.3/6

+ sign 1802.450+/-0.364 χ^2/NDF: 706663.7/22

All: 1807.810+/-0.253 χ^2/NDF: 1019389.3/47

- sign 1812.862+/-0.353 χ^2/NDF: 312303.8/24



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -899.617+/-404.855 χ^2/NDF:19.8/6

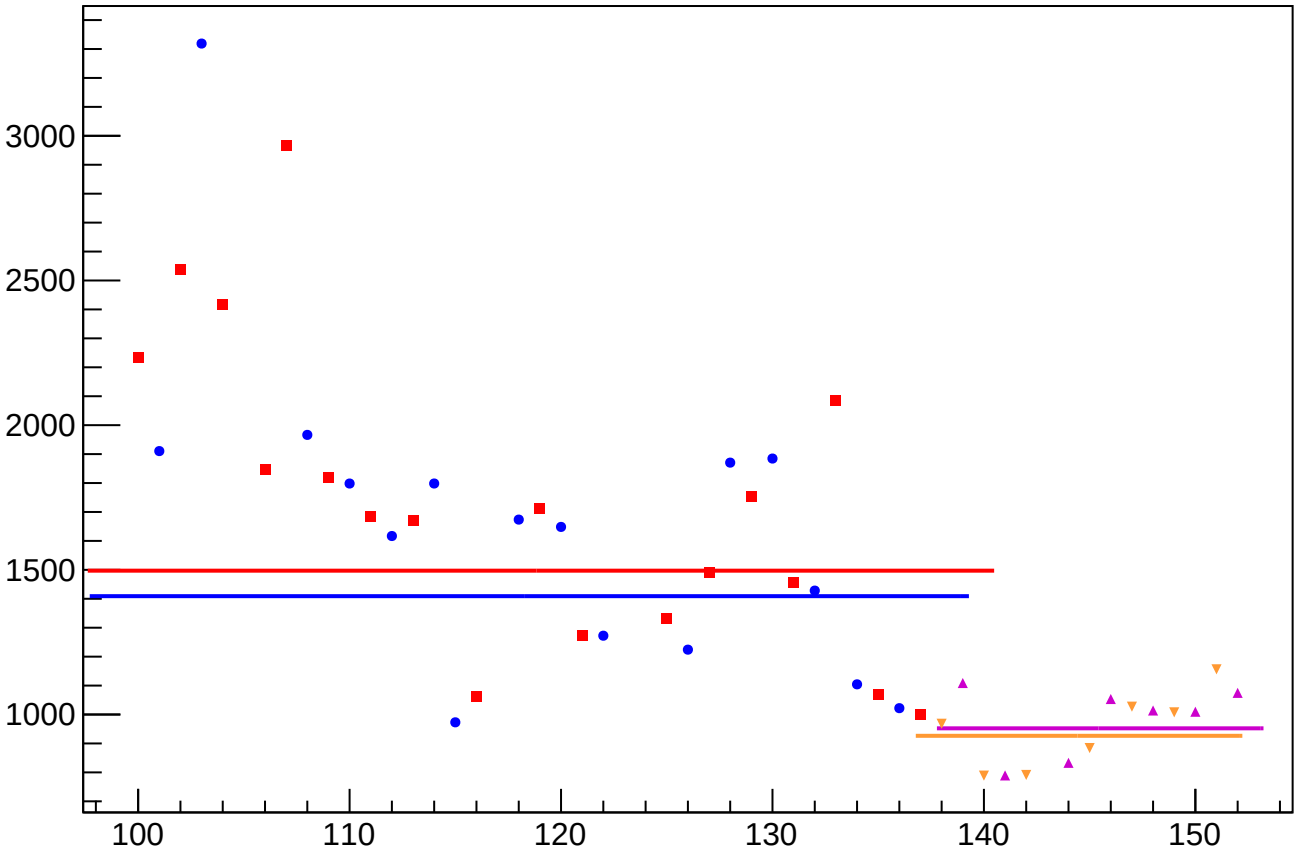
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -106.648+/-388.456 χ^2/NDF:7.6/6

+ sign -885.023+/-325.994 χ^2/NDF: 40.5/22

All: -619.463+/-229.658 χ^2/NDF: 64.2/47

- sign -357.806+/-323.589 χ^2/NDF: 22.4/24



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 926.431+/-0.286 χ^2/NDF:175278.6/6

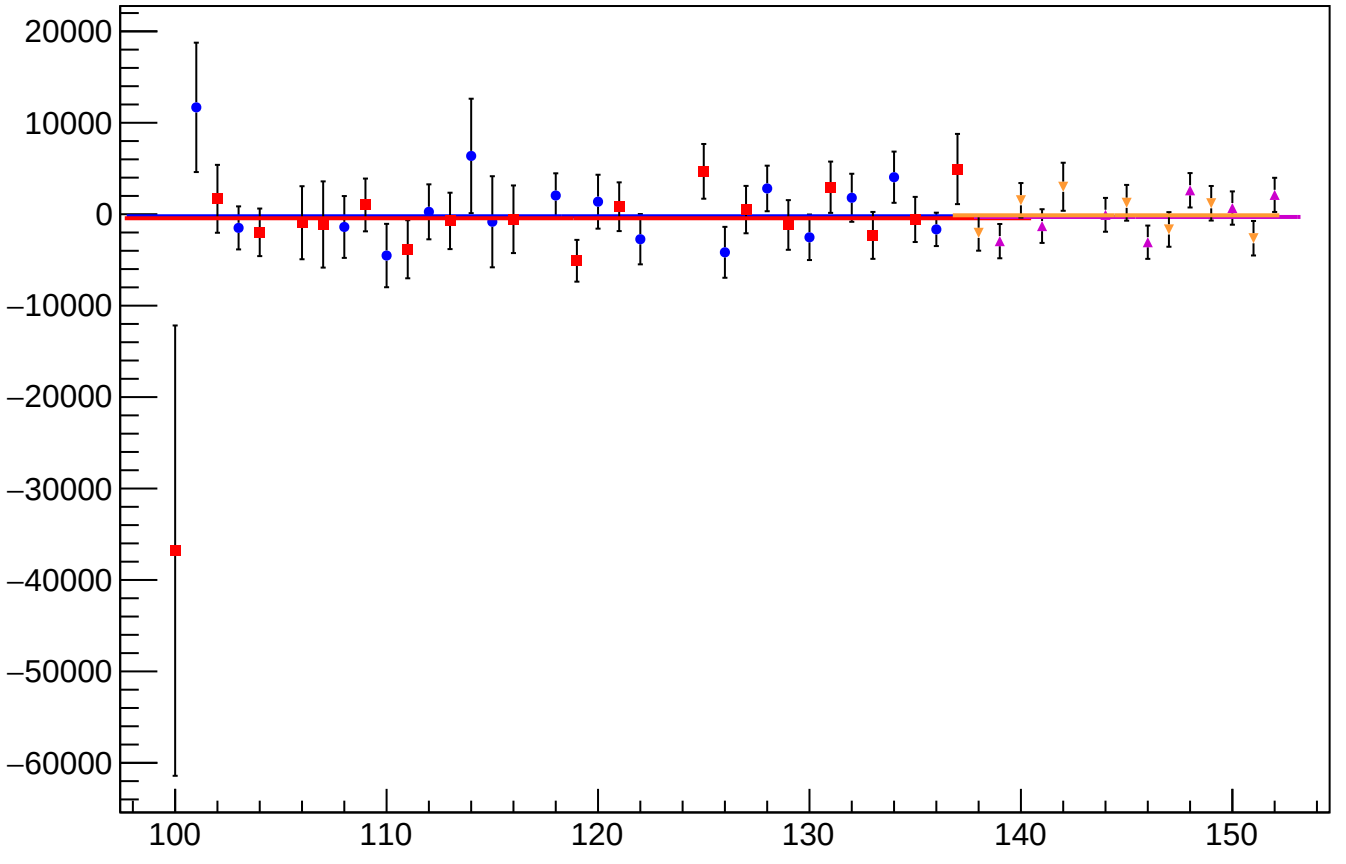
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 952.264+/-0.275 χ^2/NDF:195778.7/6

+ sign 1096.125+/-0.231 χ^2/NDF: 2341595.1/22

All: 1107.670+/-0.162 χ^2/NDF: 4764961.4/47

- sign 1119.046+/-0.229 χ^2/NDF: 2418385.8/24



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: -118.254+/-747.416 χ^2/NDF:6.5/6

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

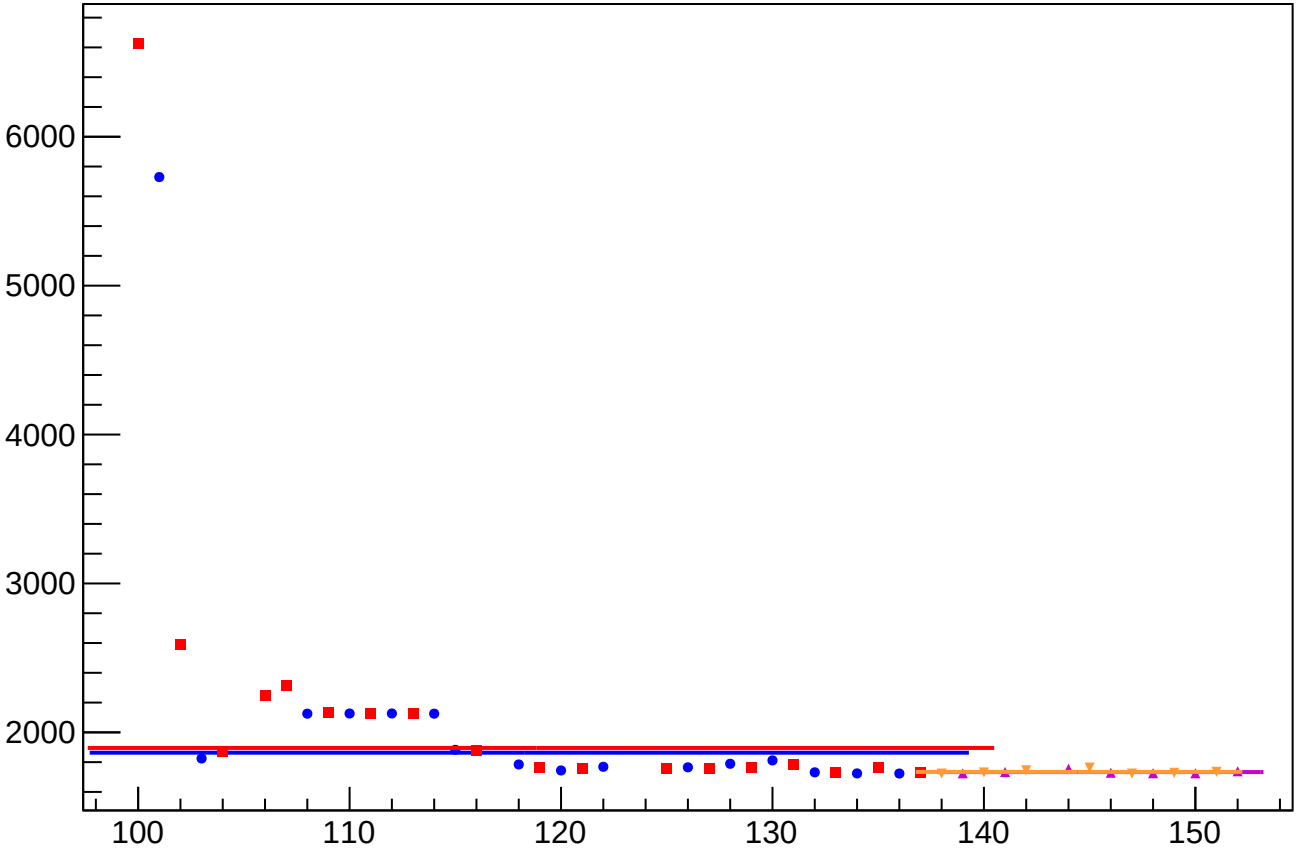
Left In: -300.465+/-699.550 χ^2/NDF:9.0/6

\+ sign -173.774+/-514.441 χ^2/NDF: 22.4/22

All: -274.996+/-358.321 χ^2/NDF: 47.2/47

\- sign -370.376+/-499.378 χ^2/NDF: 24.8/24

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: 1734.544+/-0.529 χ^2/NDF:627.2/6

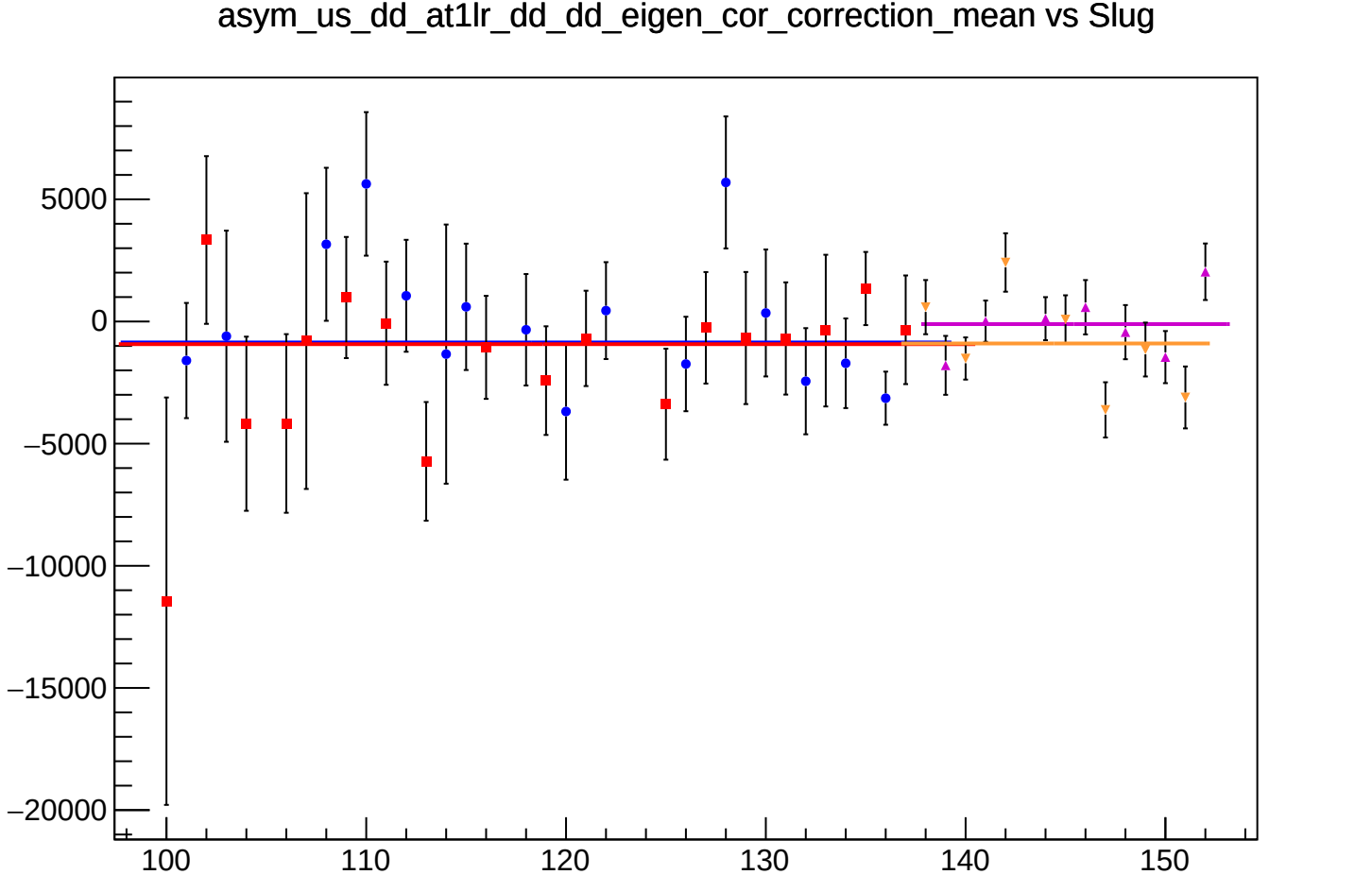
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.342+/-0.495 χ^2/NDF:435.3/6

+ sign 1802.450+/-0.364 χ^2/NDF: 706663.7/22

All: 1807.810+/-0.253 χ^2/NDF: 1019389.3/47

- sign 1812.862+/-0.353 χ^2/NDF: 312303.8/24



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -899.617+/-404.855 χ^2/NDF:19.8/6

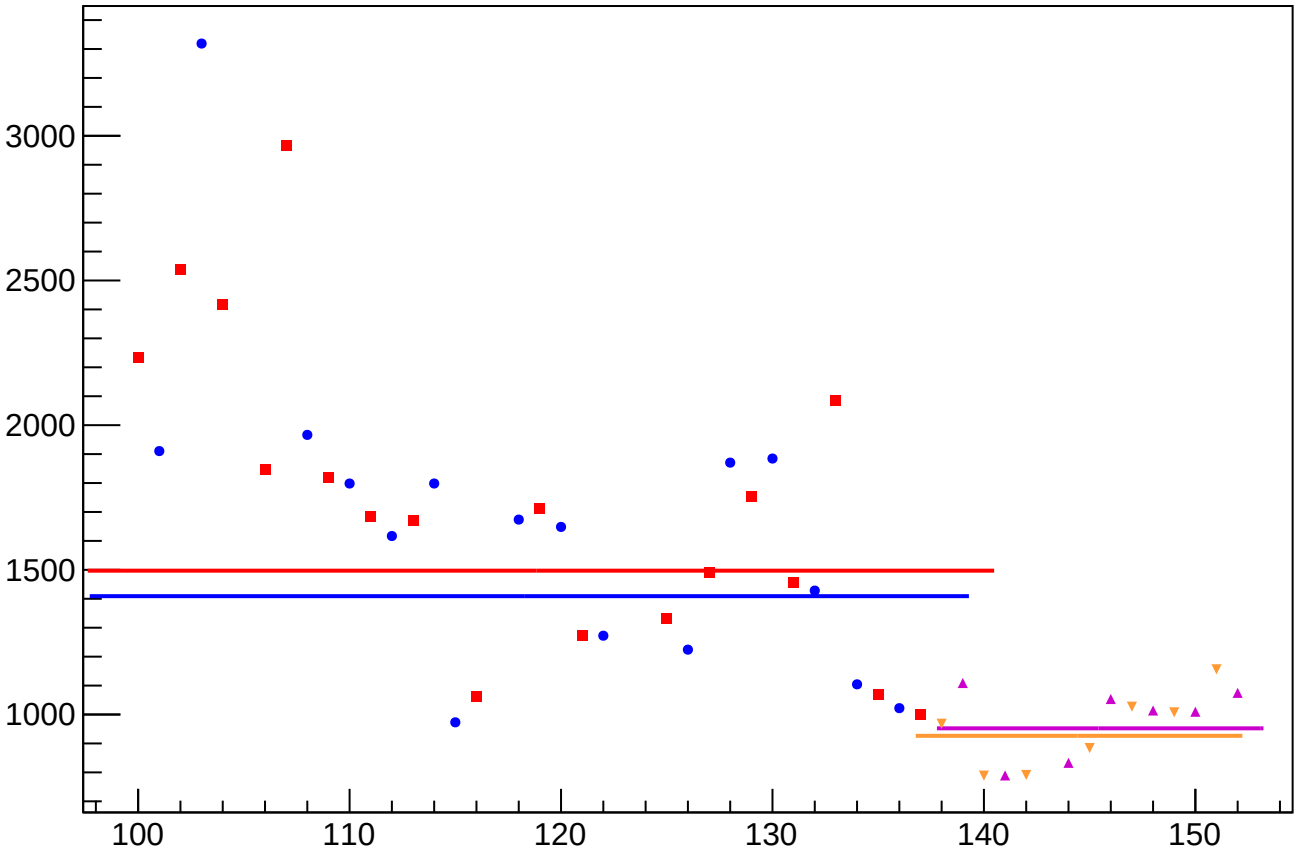
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -106.648+/-388.456 χ^2/NDF:7.6/6

+ sign -885.023+/-325.994 χ^2/NDF: 40.5/22

All: -619.463+/-229.658 χ^2/NDF: 64.2/47

- sign -357.806+/-323.589 χ^2/NDF: 22.4/24



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 926.431+/-0.286 χ^2/NDF:175278.6/6

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

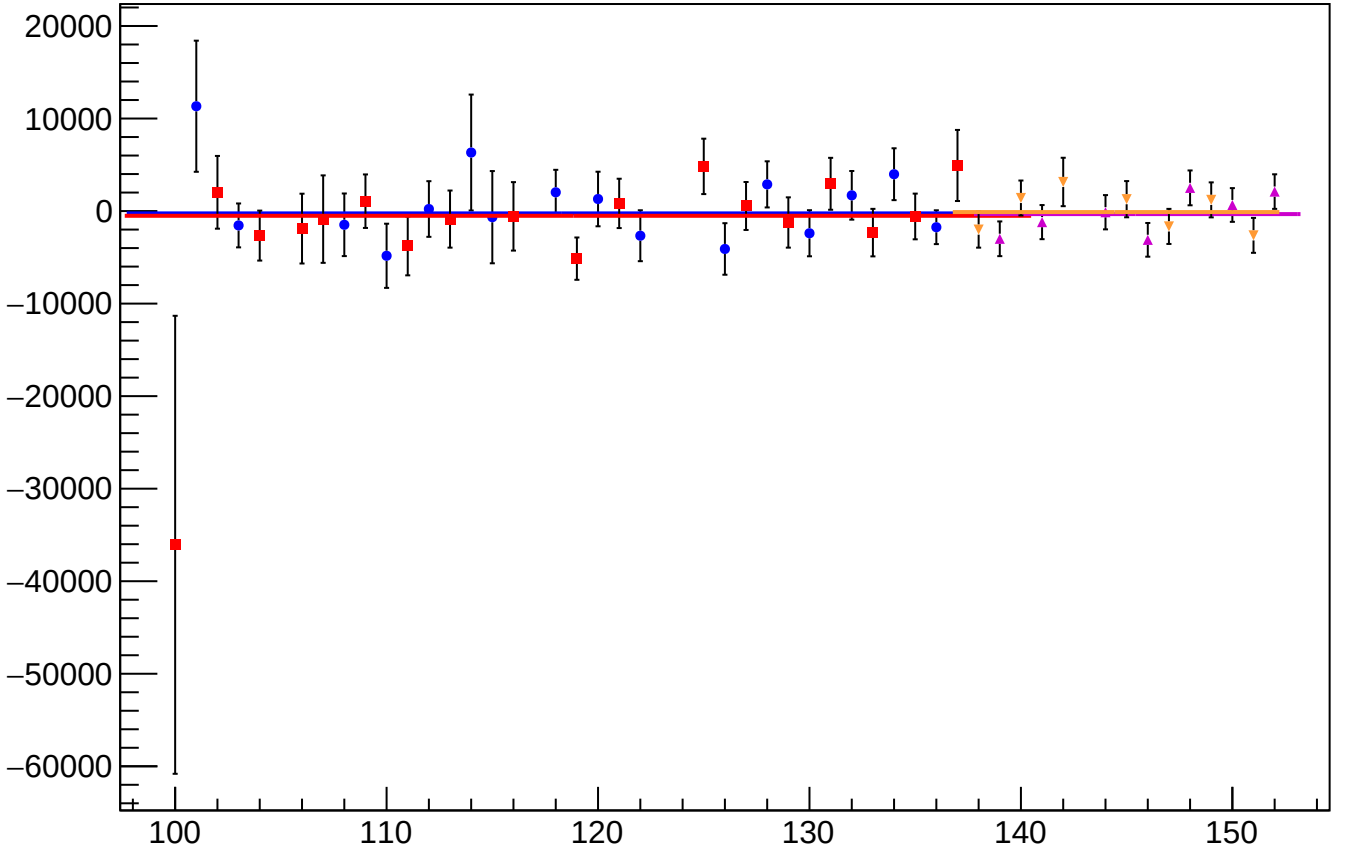
Left In: 952.264+/-0.275 χ^2/NDF:195778.7/6

\+ sign 1096.125+/-0.231 χ^2/NDF: 2341595.1/22

All: 1107.670+/-0.162 χ^2/NDF: 4764961.4/47

\- sign 1119.046+/-0.229 χ^2/NDF: 2418385.8/24

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: -107.989+/-747.563 χ^2/NDF:6.6/6

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

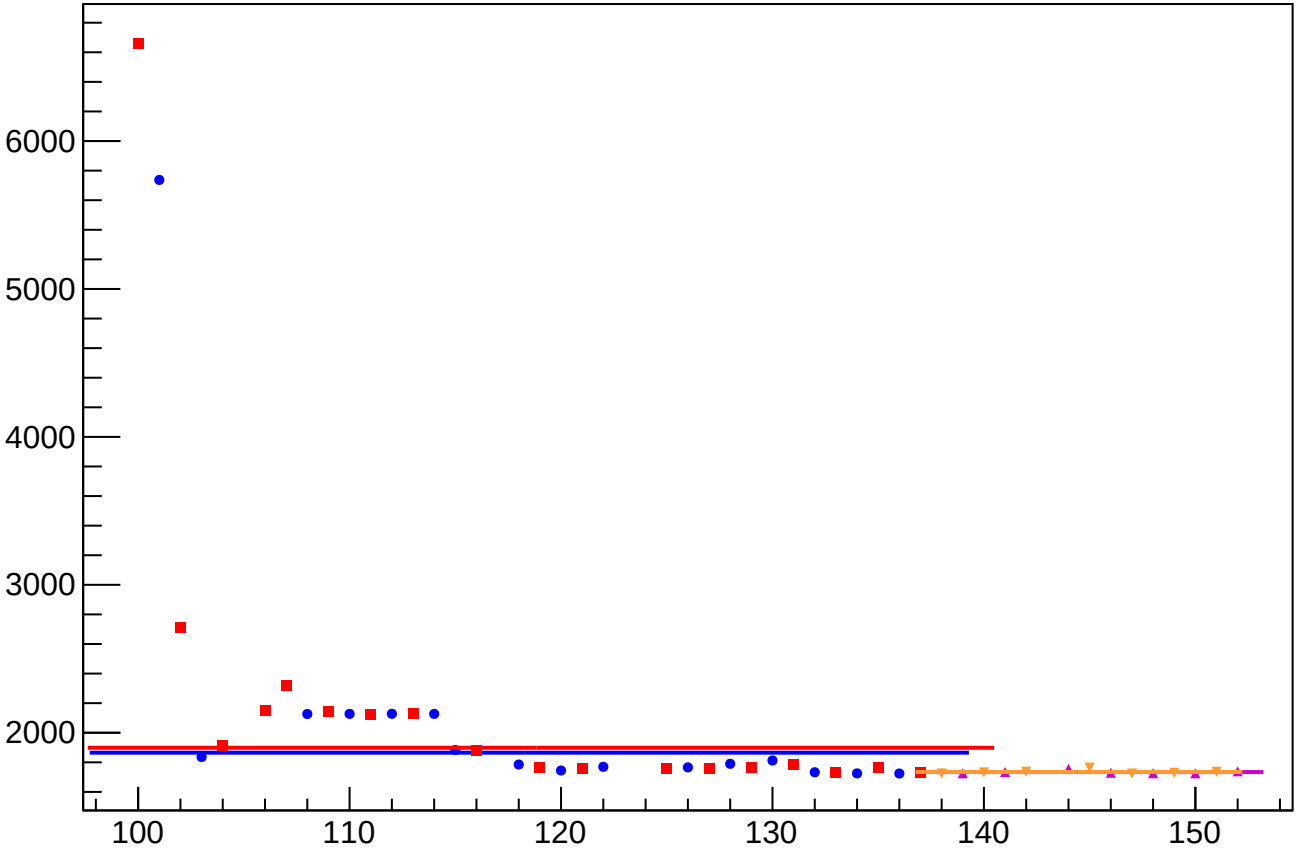
Left In: -327.325+/-699.886 χ^2/NDF:8.8/6

+ sign -183.719+/-514.803 χ^2/NDF: 22.2/22

All: -303.543+/-358.784 χ^2/NDF: 47.6/47

- sign -416.712+/-500.303 χ^2/NDF: 25.3/24

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.796+/-0.529 χ^2/NDF:581.8/6

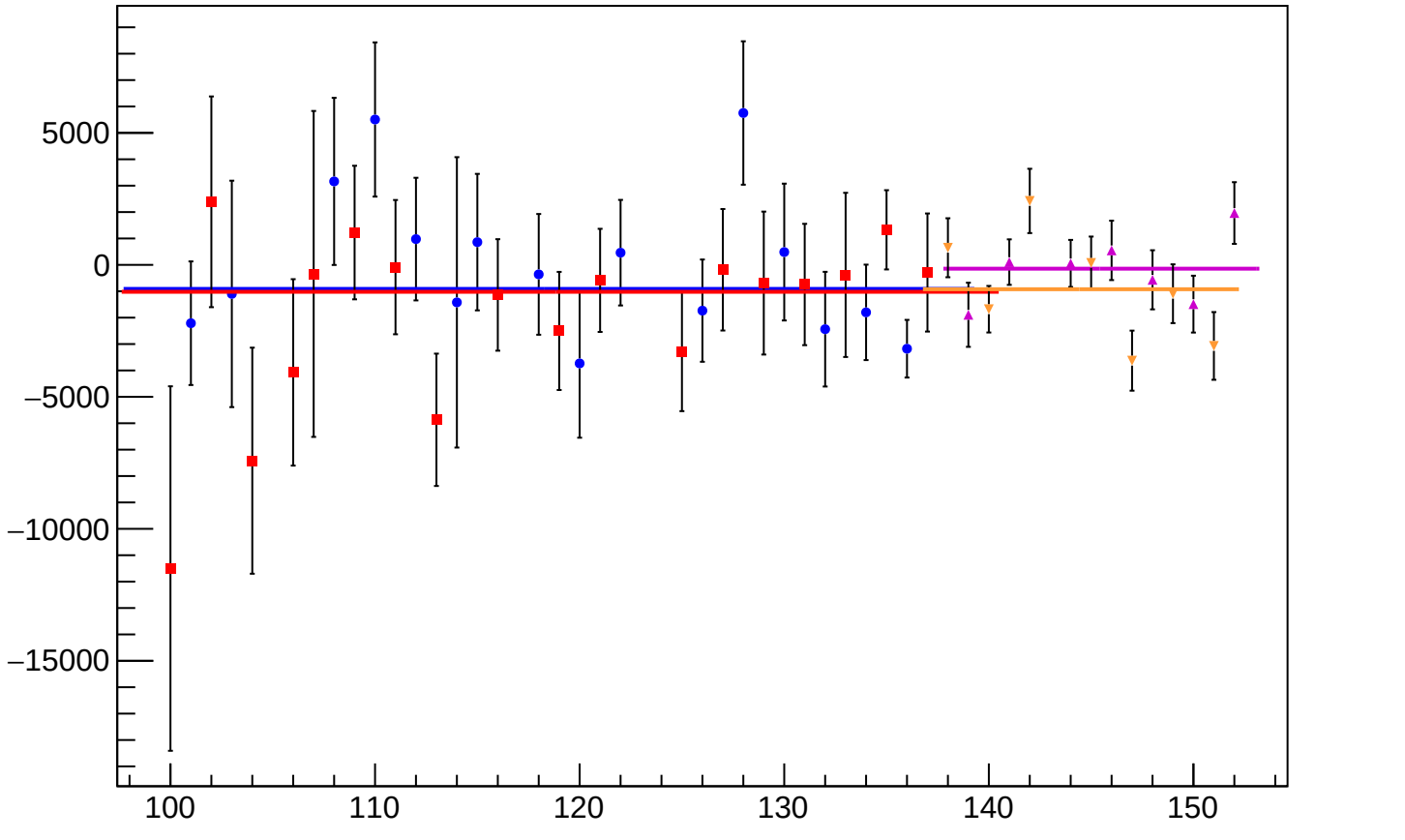
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.174+/-0.495 χ^2/NDF:434.9/6

+ sign 1803.485+/-0.364 χ^2/NDF: 707686.5/22

All: 1809.192+/-0.254 χ^2/NDF: 1031691.5/47

- sign 1814.582+/-0.354 χ^2/NDF: 323527.1/24



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -922.943+/-410.027 χ^2/NDF:19.7/6

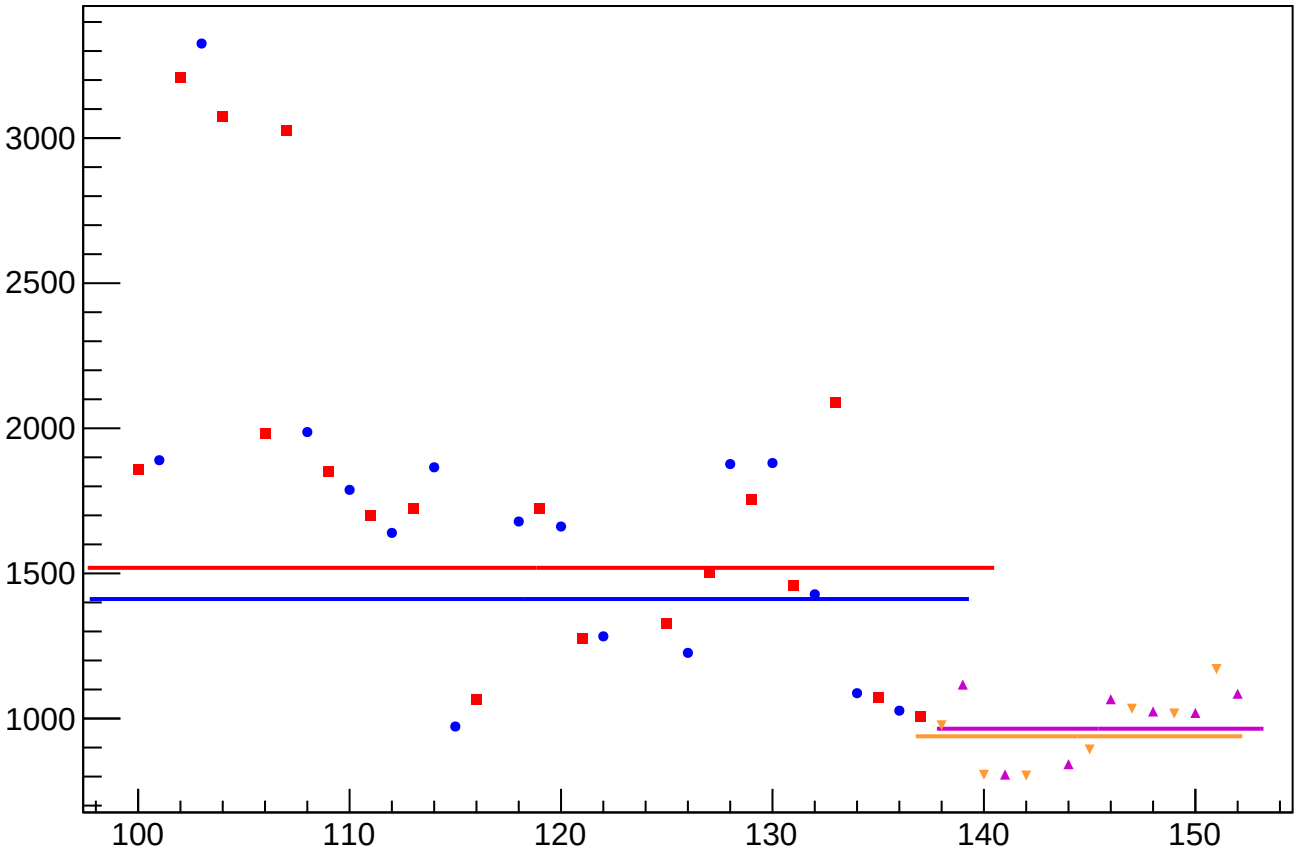
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -144.644+/-393.312 χ^2/NDF:7.5/6

+ sign -918.669+/-328.908 χ^2/NDF: 40.7/22

All: -664.772+/-232.086 χ^2/NDF: 65.9/47

- sign -412.994+/-327.533 χ^2/NDF: 24.0/24



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 938.847+/-0.290 χ^2/NDF:165473.5/6

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

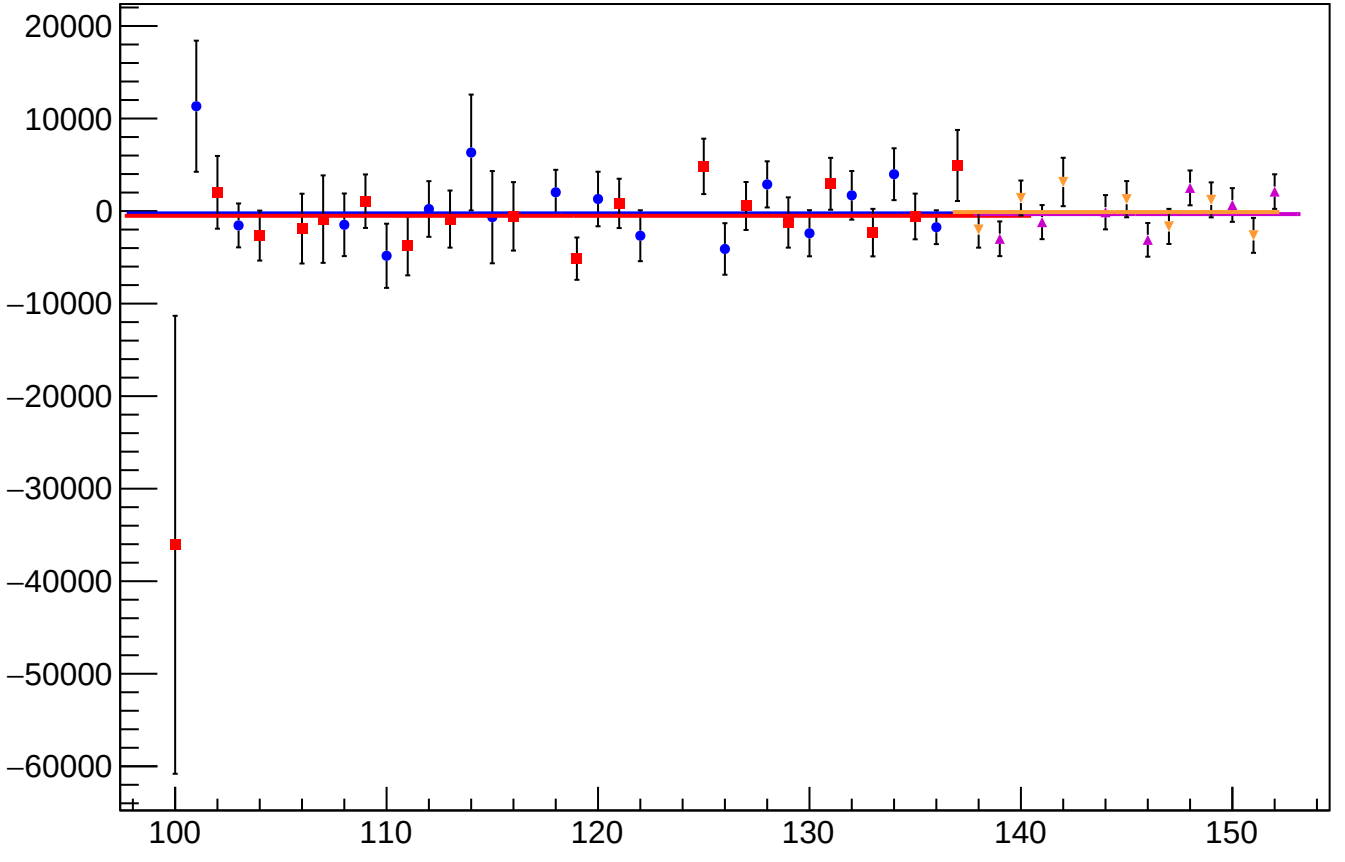
Left In: 964.883+/-0.278 χ^2/NDF:184392.6/6

+ sign 1107.454+/-0.233 χ^2/NDF: 2291746.0/22

All: 1121.195+/-0.164 χ^2/NDF: 5061358.5/47

- sign 1134.823+/-0.232 χ^2/NDF: 2762659.3/24

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: -107.991+/-747.563 χ^2/NDF:6.6/6

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

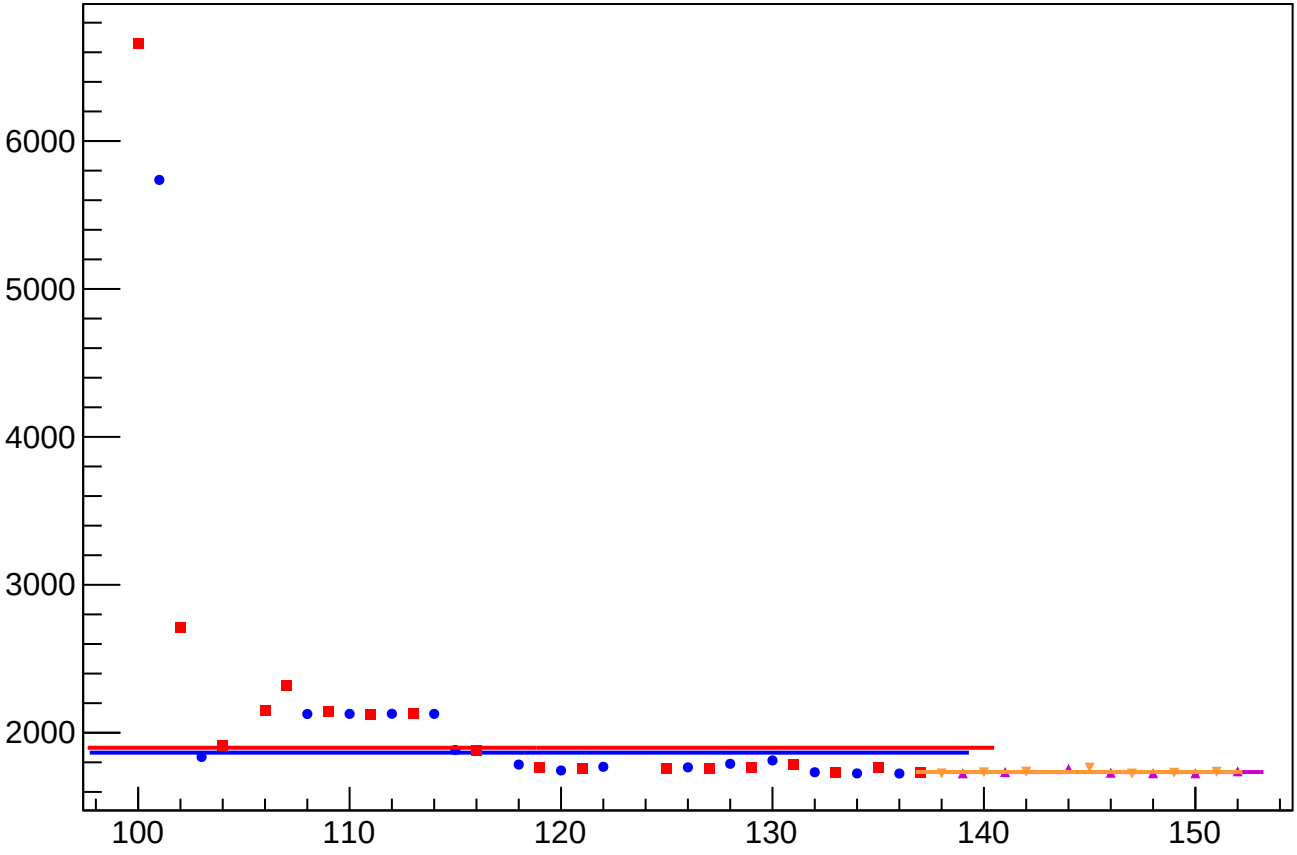
Left In: -327.326+/-699.886 χ^2/NDF:8.8/6

+ sign -183.719+/-514.803 χ^2/NDF: 22.2/22

All: -303.543+/-358.784 χ^2/NDF: 47.6/47

- sign -416.713+/-500.303 χ^2/NDF: 25.3/24

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: 1734.796+/-0.529 χ^2/NDF:581.8/6

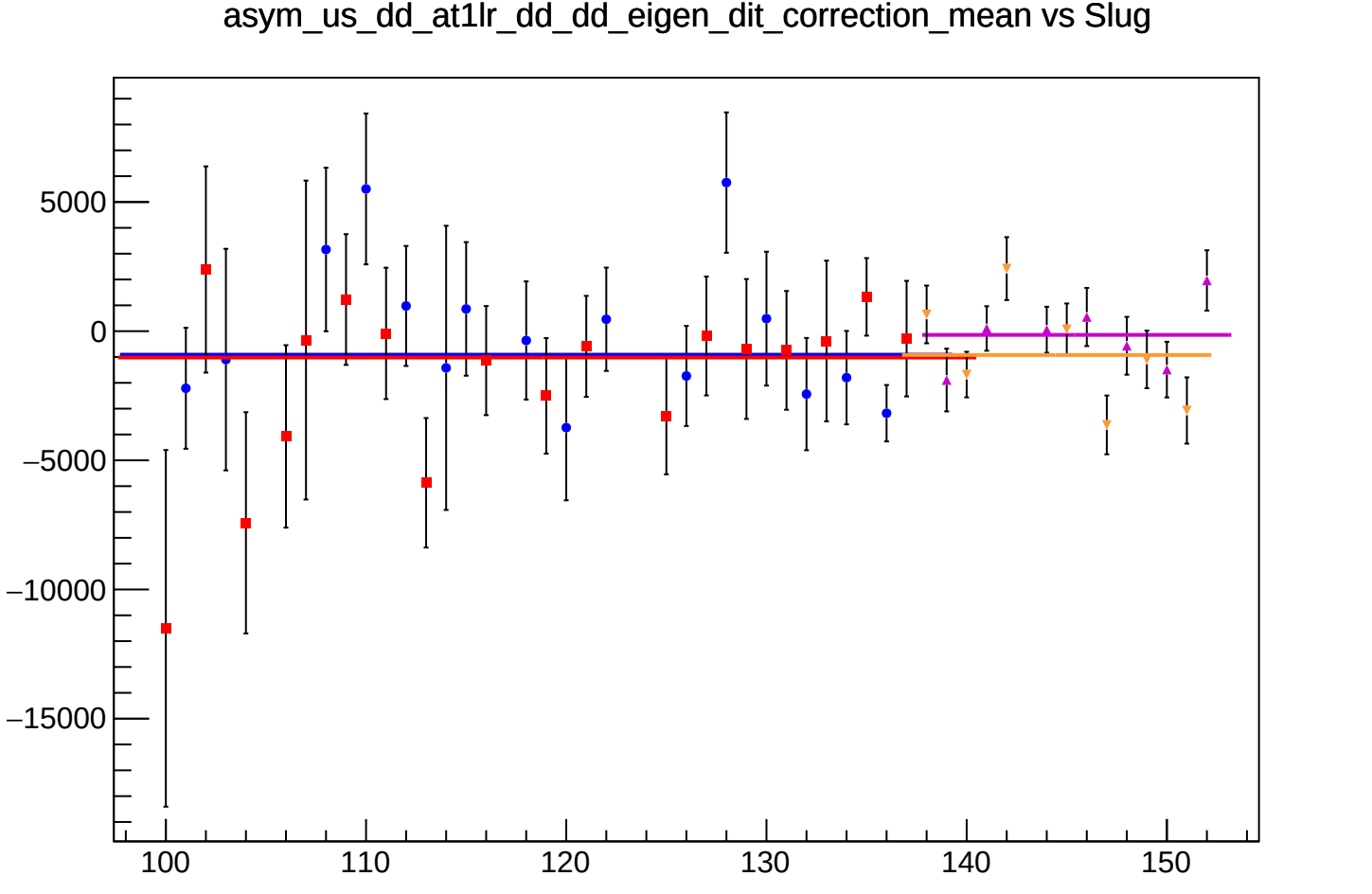
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.174+/-0.495 χ^2/NDF:434.9/6

+ sign 1803.485+/-0.364 χ^2/NDF: 707686.5/22

All: 1809.192+/-0.254 χ^2/NDF: 1031691.2/47

- sign 1814.582+/-0.354 χ^2/NDF: 323526.8/24



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -922.943+/-410.027 χ^2/NDF:19.7/6

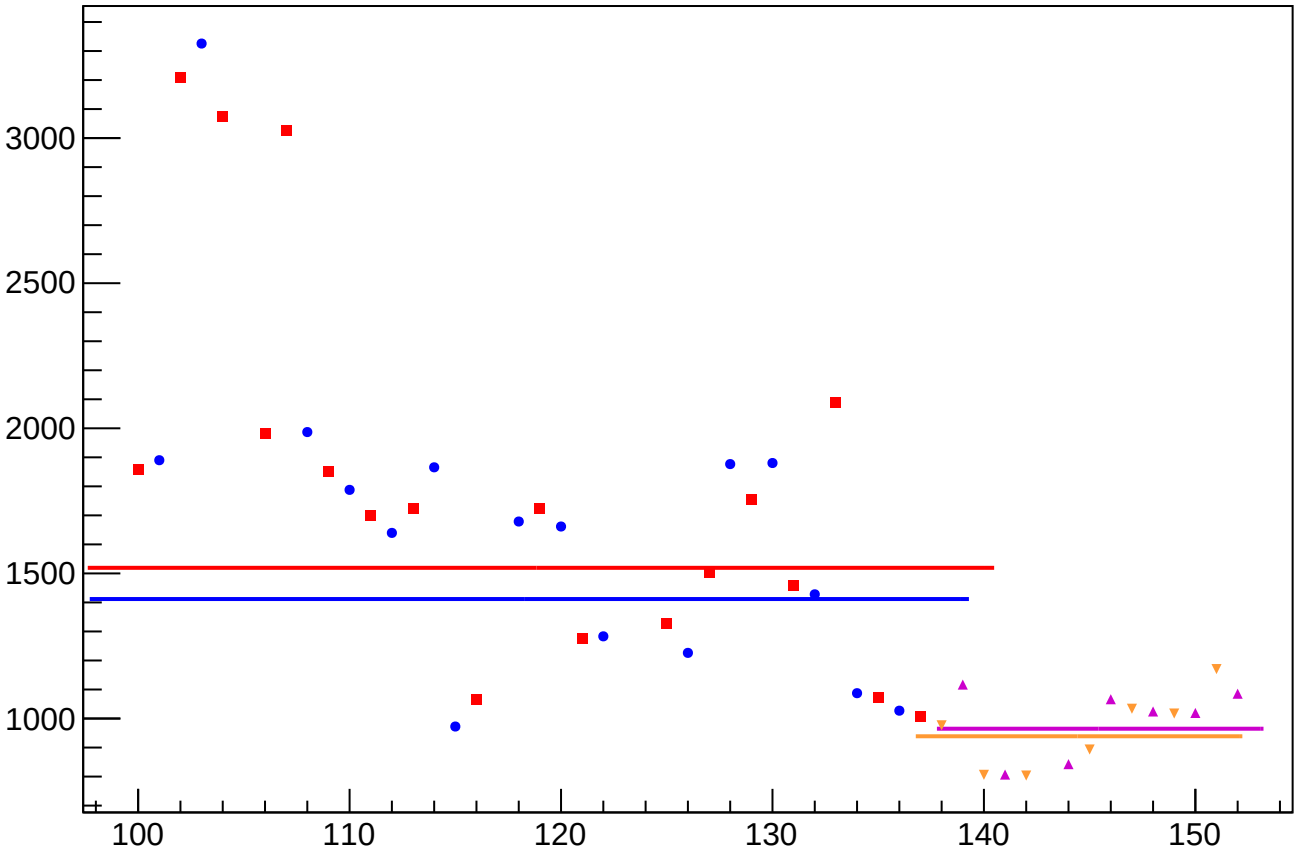
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -144.643+/-393.312 χ^2/NDF:7.5/6

+ sign -918.667+/-328.908 χ^2/NDF: 40.7/22

All: -664.771+/-232.085 χ^2/NDF: 65.9/47

- sign -412.993+/-327.533 χ^2/NDF: 24.0/24



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 938.846+/-0.290 χ^2/NDF:165478.5/6

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

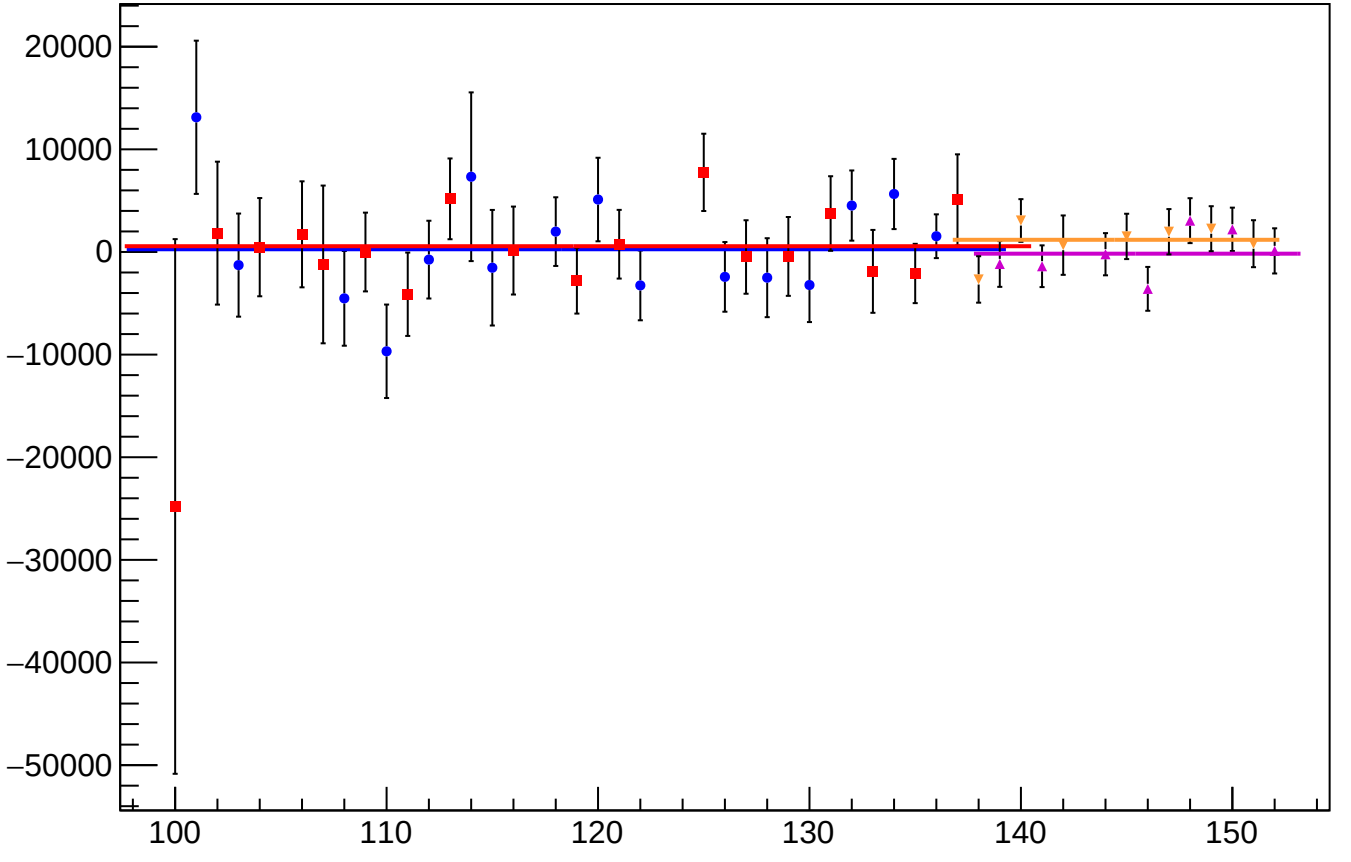
Left In: 964.883+/-0.278 χ^2/NDF:184397.9/6

+ sign 1107.452+/-0.233 χ^2/NDF: 2291747.1/22

All: 1121.194+/-0.164 χ^2/NDF: 5061362.4/47

- sign 1134.822+/-0.232 χ^2/NDF: 2762661.4/24

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1185.967+/-858.895 χ^2/NDF:4.2/6

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

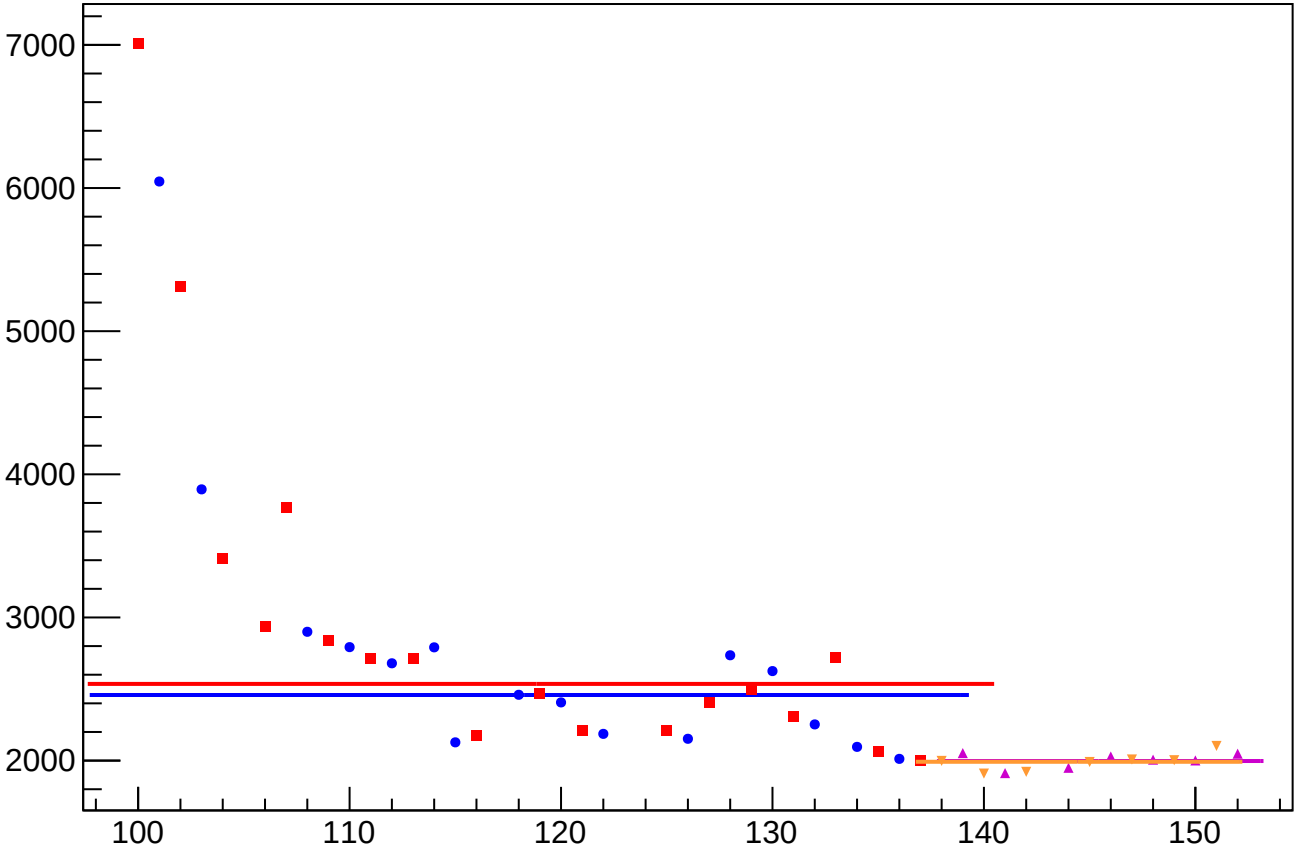
Left In: -166.837+/-806.340 χ^2/NDF:6.6/6

\+ sign 767.603+/-634.675 χ^2/NDF: 23.7/22

All: 442.042+/-442.850 χ^2/NDF: 42.9/47

\- sign 133.144+/-618.218 χ^2/NDF: 18.7/24

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1991.839+/-0.607 χ^2/NDF:9174.5/6

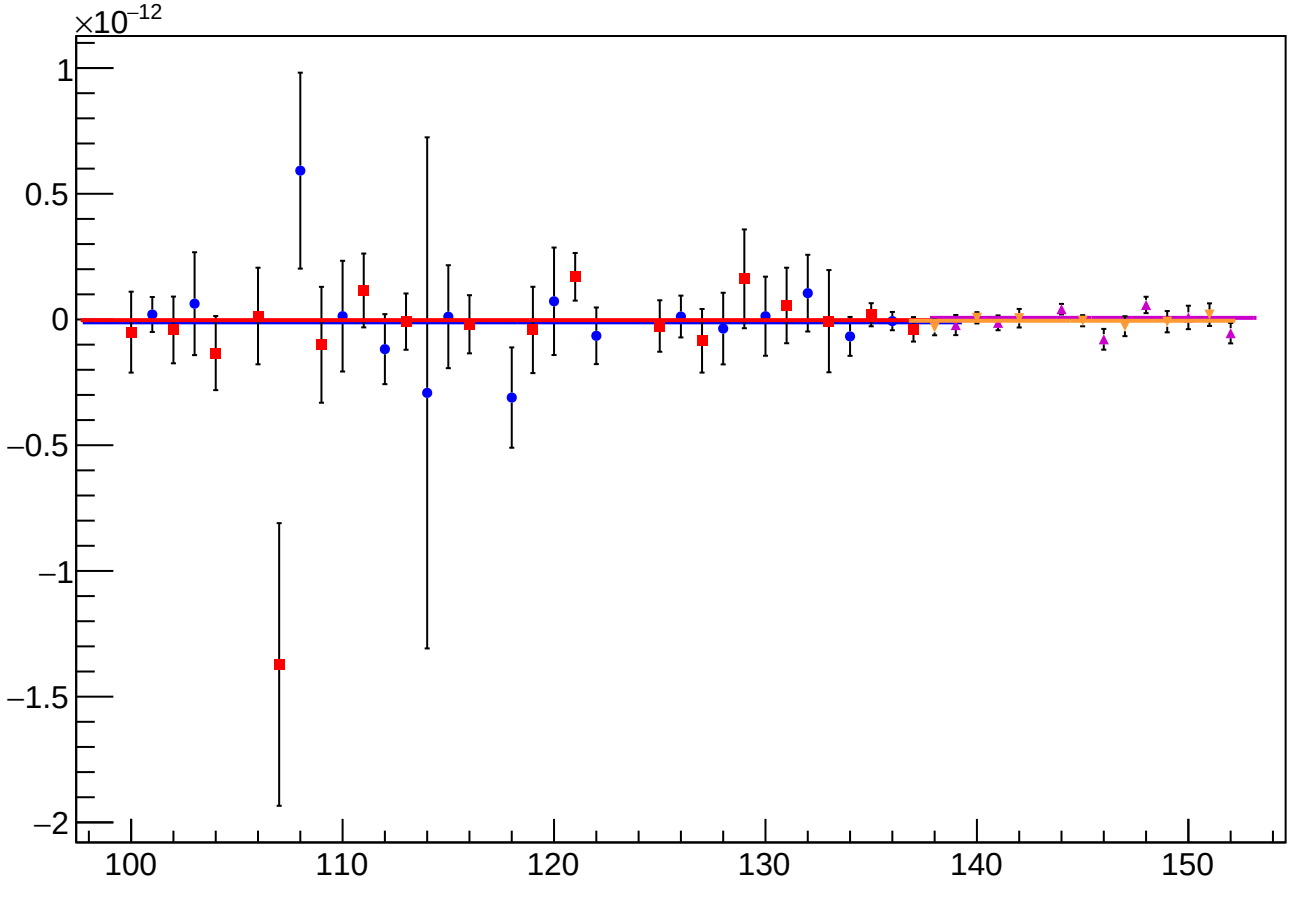
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1997.122+/-0.570 χ^2/NDF:7299.7/6

+ sign 2203.609+/-0.449 χ^2/NDF: 1109893.4/22

All: 2211.581+/-0.313 χ^2/NDF: 2159027.0/47

- sign 2219.146+/-0.437 χ^2/NDF: 1048518.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.7/6

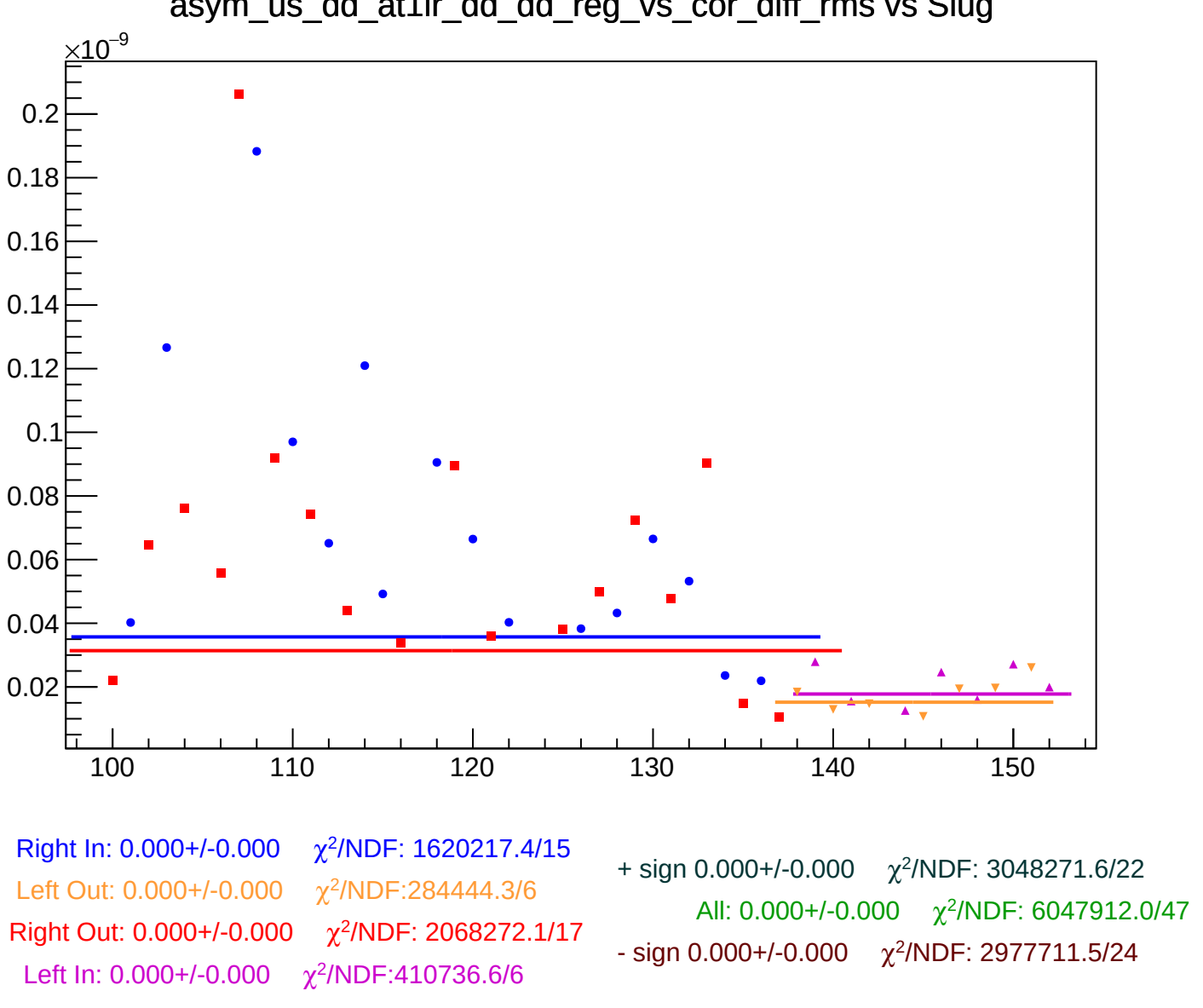
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

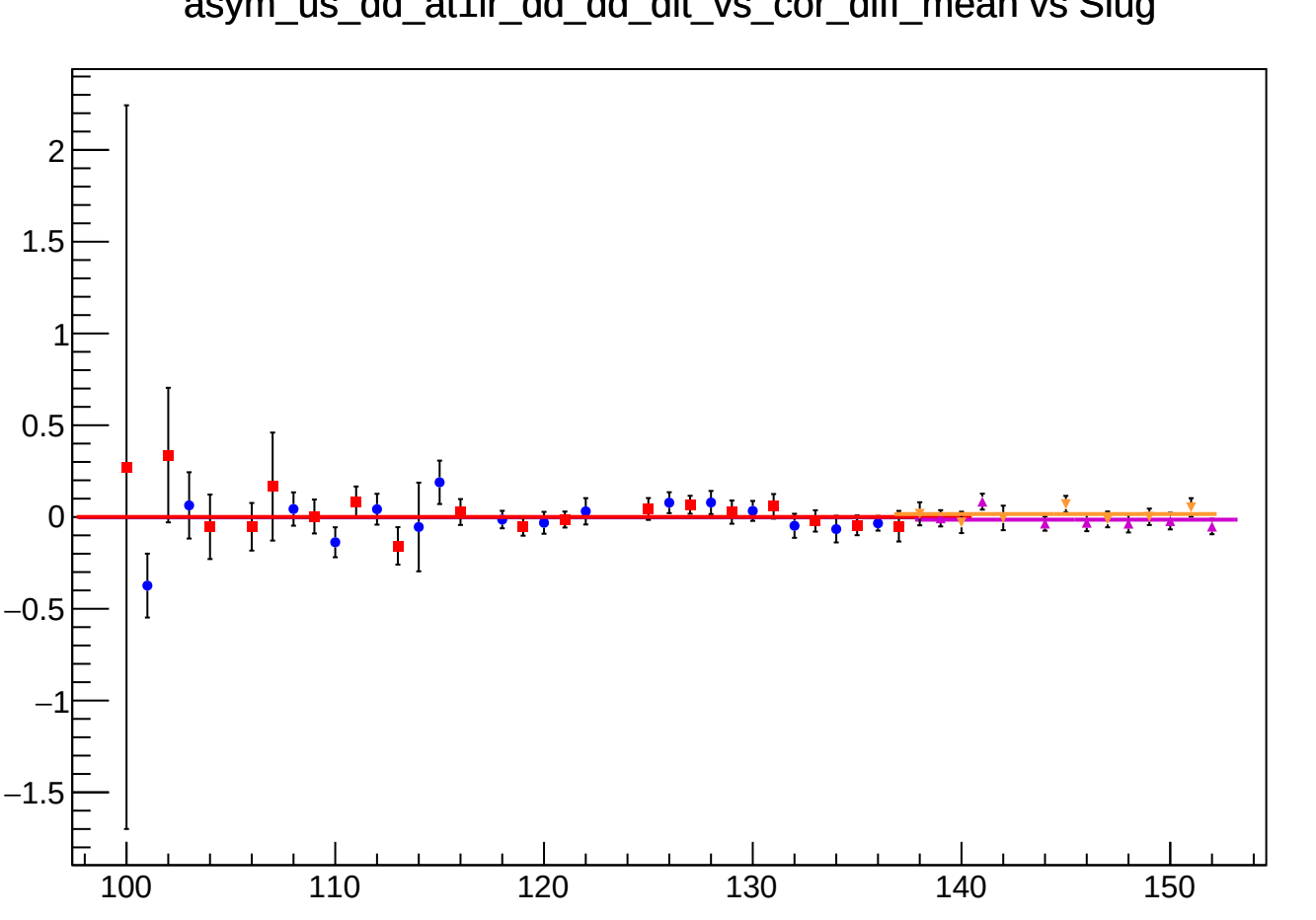
Left In: 0.000+/-0.000 χ^2/NDF:12.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 9.0/22

All: -0.000+/-0.000 χ^2/NDF: 35.6/47

- sign 0.000+/-0.000 χ^2/NDF: 26.0/24


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:284444.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:410736.6/6
+ sign 0.000+/-0.000 χ²/NDF: 3048271.6/22
All: 0.000+/-0.000 χ²/NDF: 6047912.0/47
- sign 0.000+/-0.000 χ²/NDF: 2977711.5/24



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.016+/-0.019 χ^2/NDF:3.2/6

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

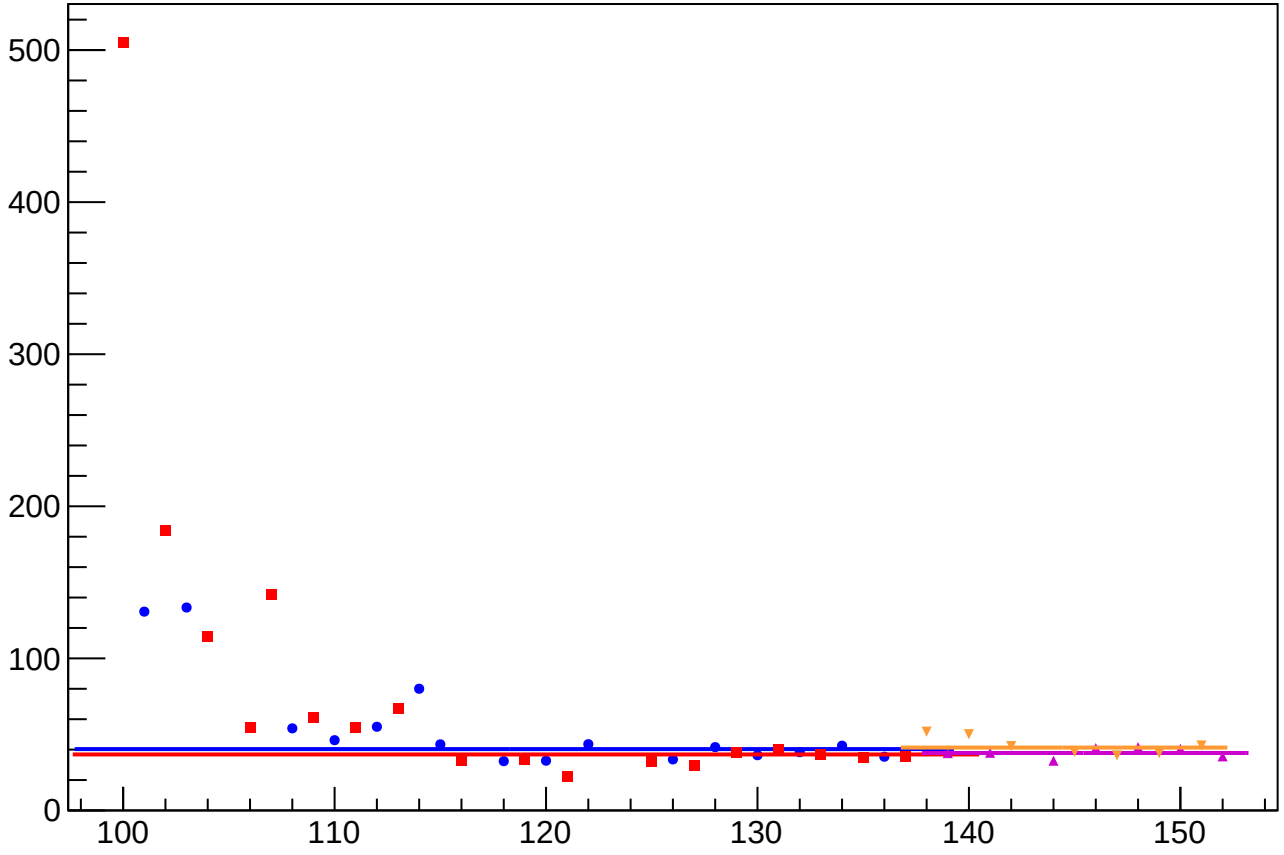
Left In: -0.015+/-0.017 χ^2/NDF:6.6/6

+ sign 0.006+/-0.013 χ^2/NDF: 20.8/22

All: -0.001+/-0.009 χ^2/NDF: 39.3/47

- sign -0.007+/-0.012 χ^2/NDF: 17.9/24

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: 41.353+/-0.014 χ^2/NDF:152196.1/6

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

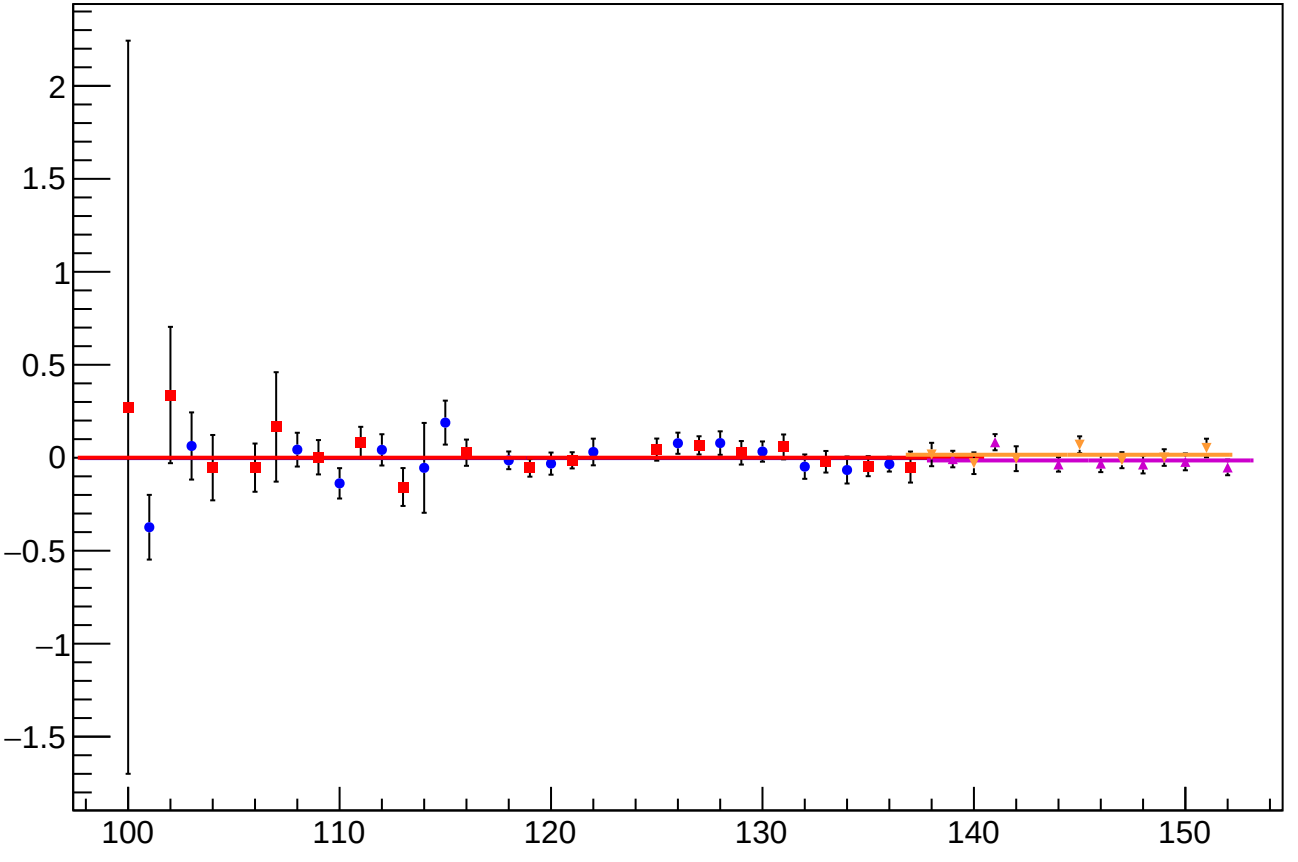
Left In: 37.787+/-0.012 χ^2/NDF:69442.9/6

+ sign 40.793+/-0.009 χ^2/NDF: 1565366.0/22

All: 38.906+/-0.006 χ^2/NDF: 3555946.0/47

- sign 37.309+/-0.008 χ^2/NDF: 1909925.3/24

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.016+/-0.019 χ^2/NDF:3.2/6

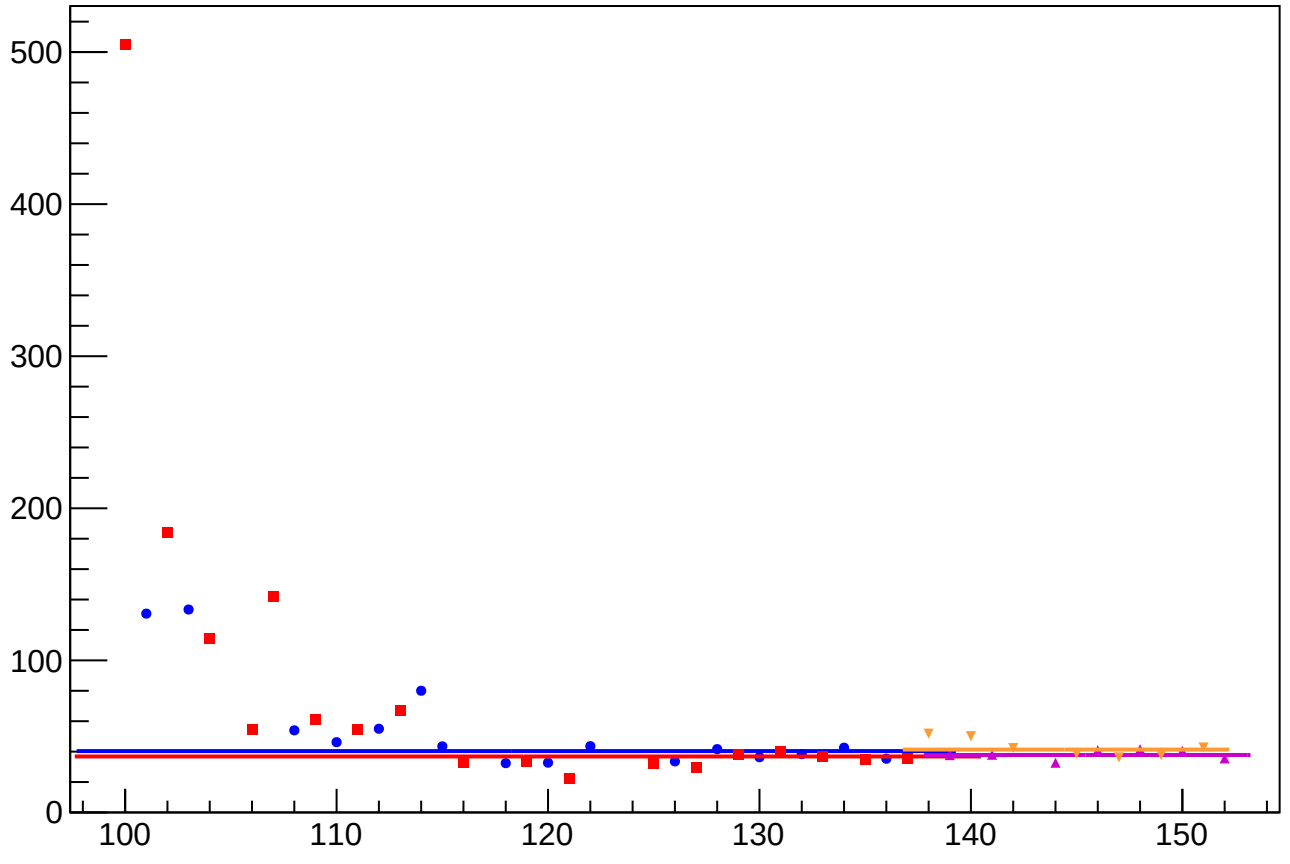
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.015+/-0.017 χ^2/NDF:6.6/6

+ sign 0.006+/-0.013 χ^2/NDF: 20.8/22

All: -0.001+/-0.009 χ^2/NDF: 39.3/47

- sign -0.007+/-0.012 χ^2/NDF: 17.9/24



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.353+/-0.014 χ^2/NDF:152196.1/6

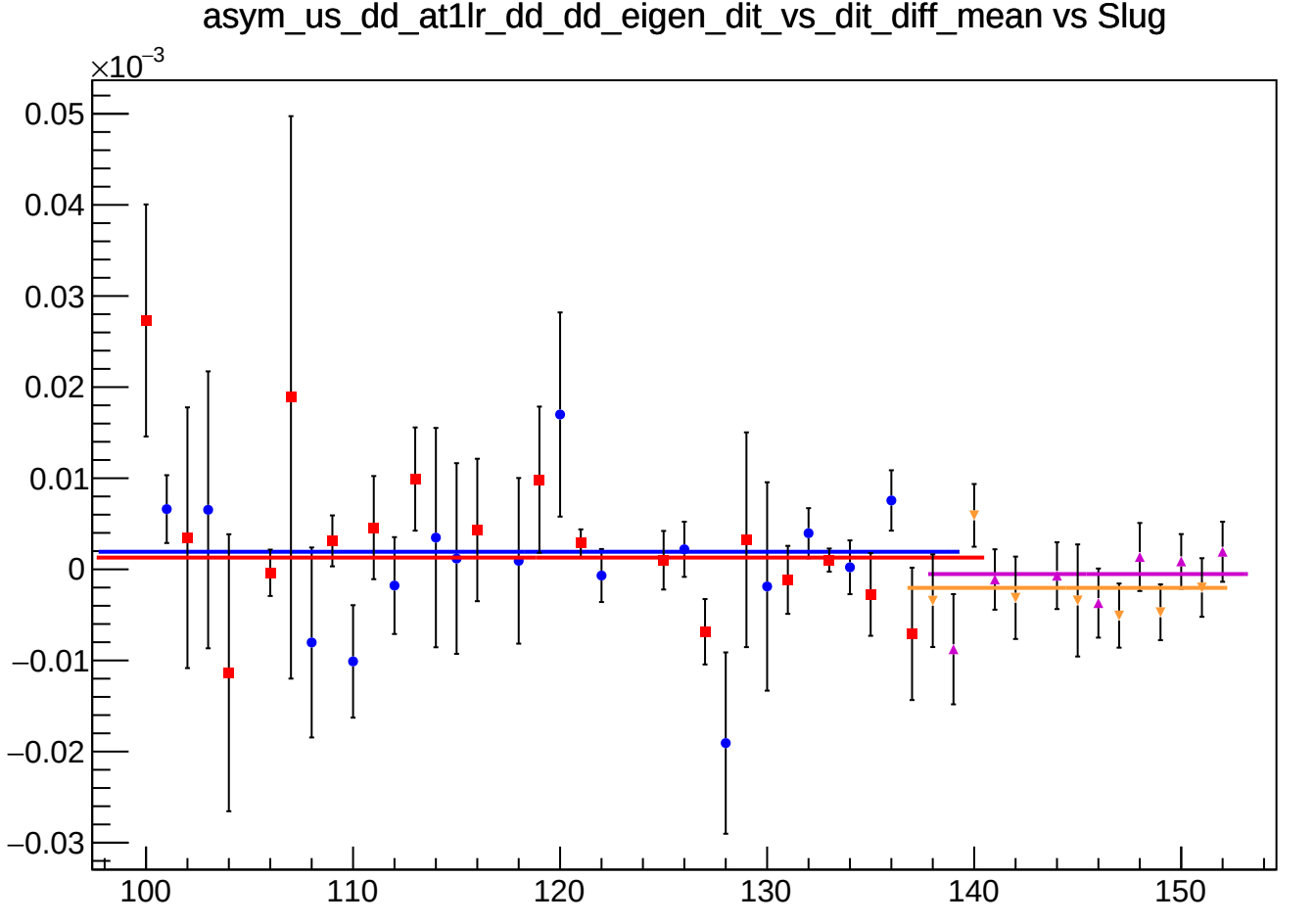
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.787+/-0.012 χ^2/NDF:69442.9/6

+ sign 40.793+/-0.009 χ^2/NDF: 1565366.0/22

All: 38.906+/-0.006 χ^2/NDF: 3555946.0/47

- sign 37.309+/-0.008 χ^2/NDF: 1909925.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/6

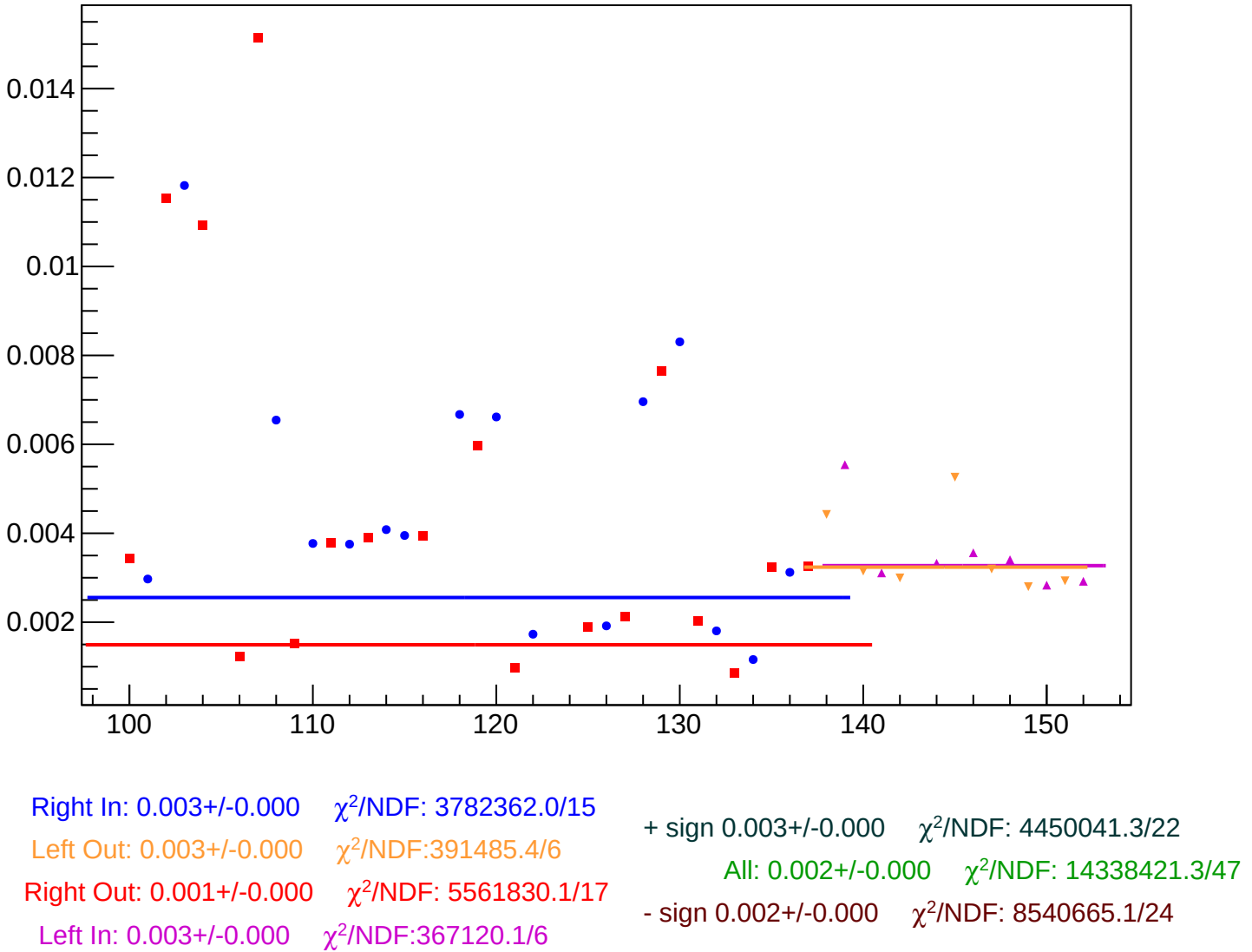
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

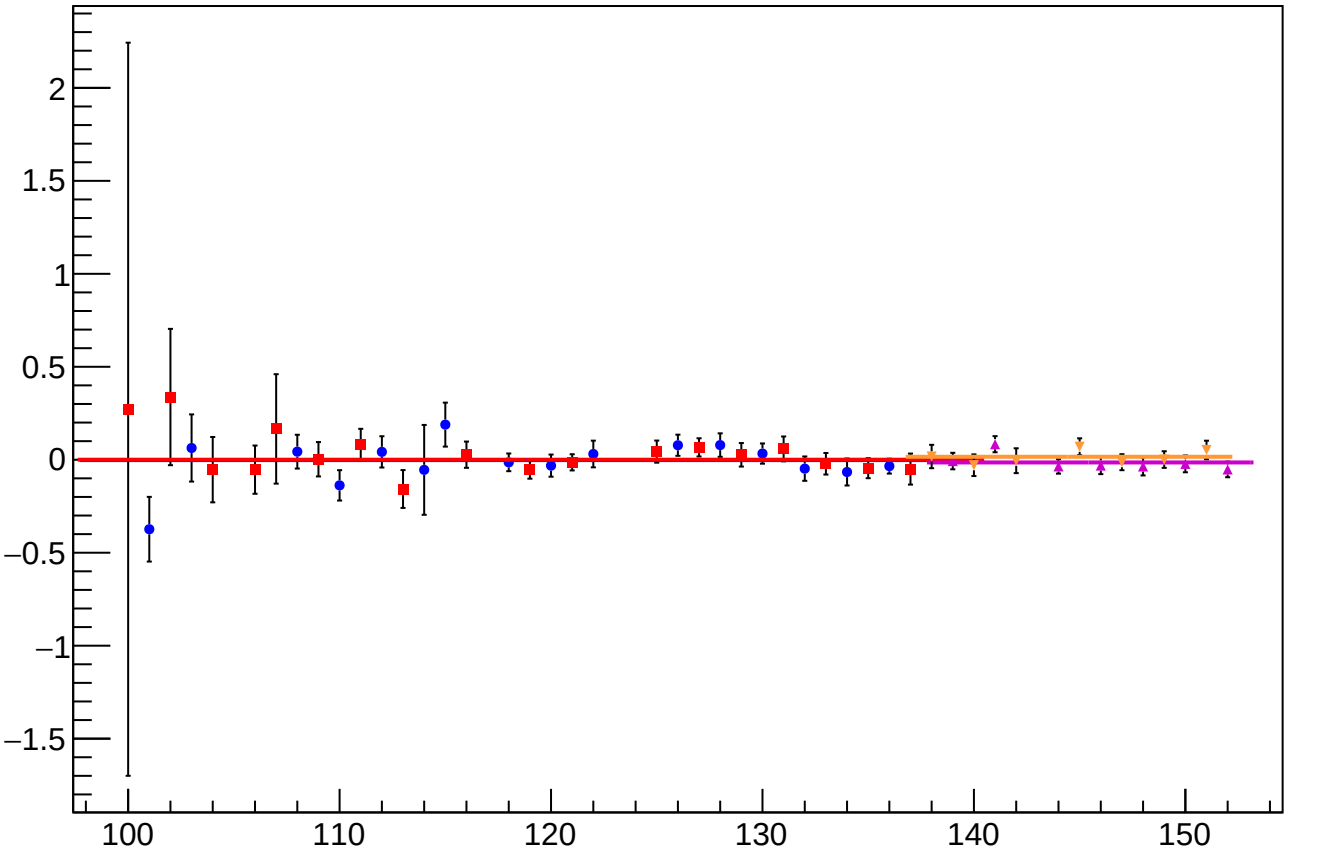
Left In: -0.000+/-0.000 χ^2/NDF:3.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/22

All: 0.000+/-0.000 χ^2/NDF: 53.6/47

- sign 0.000+/-0.000 χ^2/NDF: 23.9/24


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:391485.4/6
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.003+/-0.000 χ²/NDF:367120.1/6
+ sign 0.003+/-0.000 χ²/NDF: 4450041.3/22
All: 0.002+/-0.000 χ²/NDF: 14338421.3/47
- sign 0.002+/-0.000 χ²/NDF: 8540665.1/24



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.016+/-0.019 χ^2/NDF:3.2/6

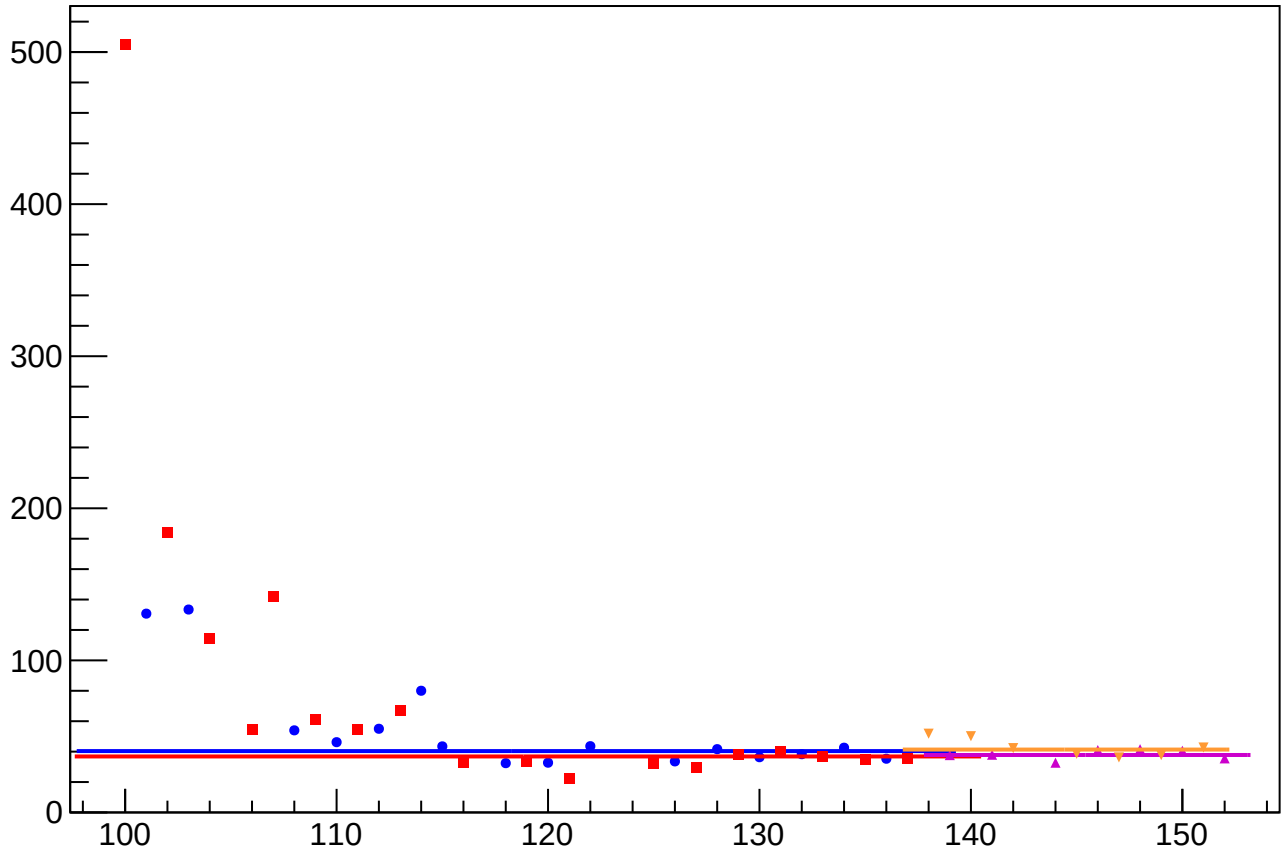
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.015+/-0.017 χ^2/NDF:6.6/6

+ sign 0.006+/-0.013 χ^2/NDF: 20.8/22

All: -0.001+/-0.009 χ^2/NDF: 39.3/47

- sign -0.007+/-0.012 χ^2/NDF: 17.9/24



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.353+/-0.014 χ^2/NDF:152211.7/6

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

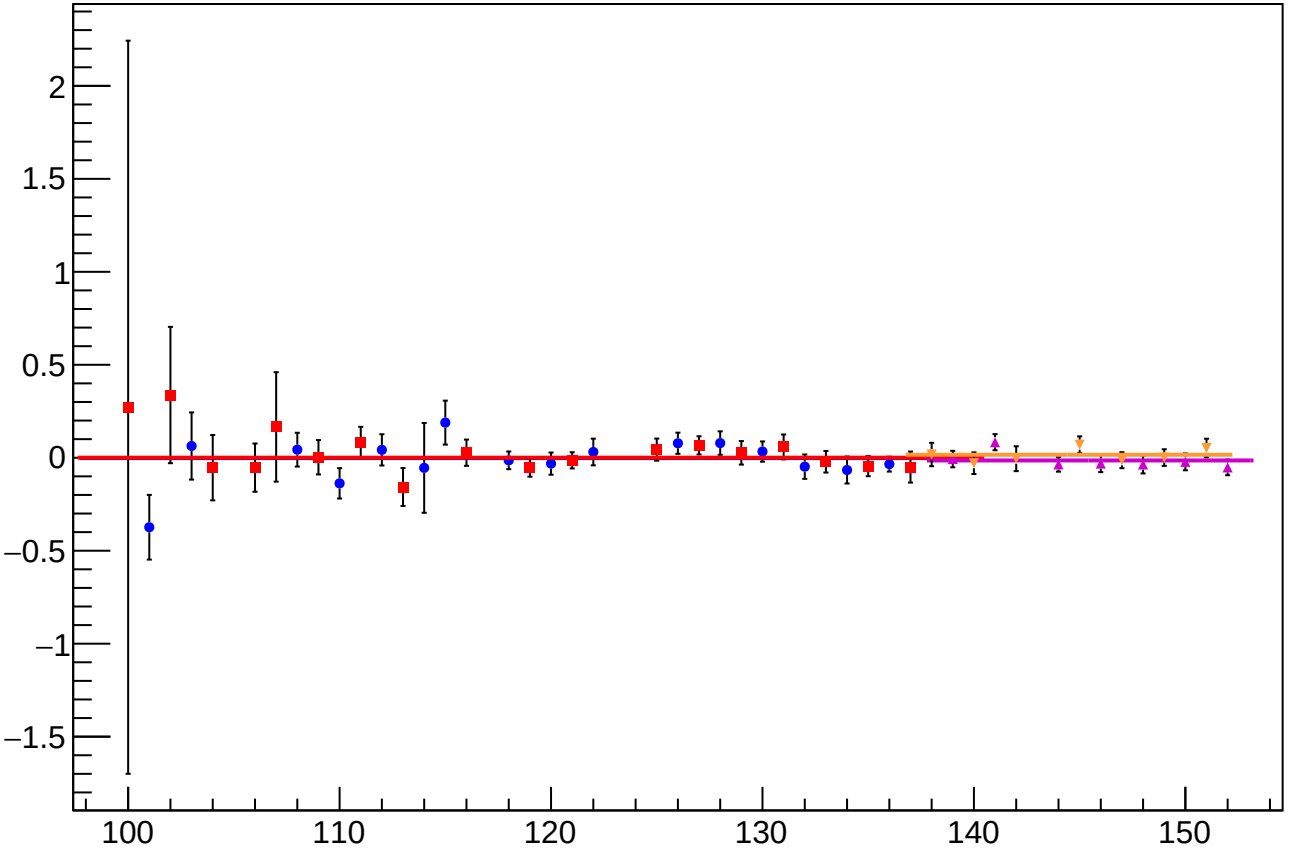
Left In: 37.787+/-0.012 χ^2/NDF:69435.1/6

+ sign 40.794+/-0.009 χ^2/NDF: 1565275.5/22

All: 38.906+/-0.006 χ^2/NDF: 3555876.8/47

- sign 37.309+/-0.008 χ^2/NDF: 1909917.2/24

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.016+/-0.019 χ^2/NDF:3.2/6

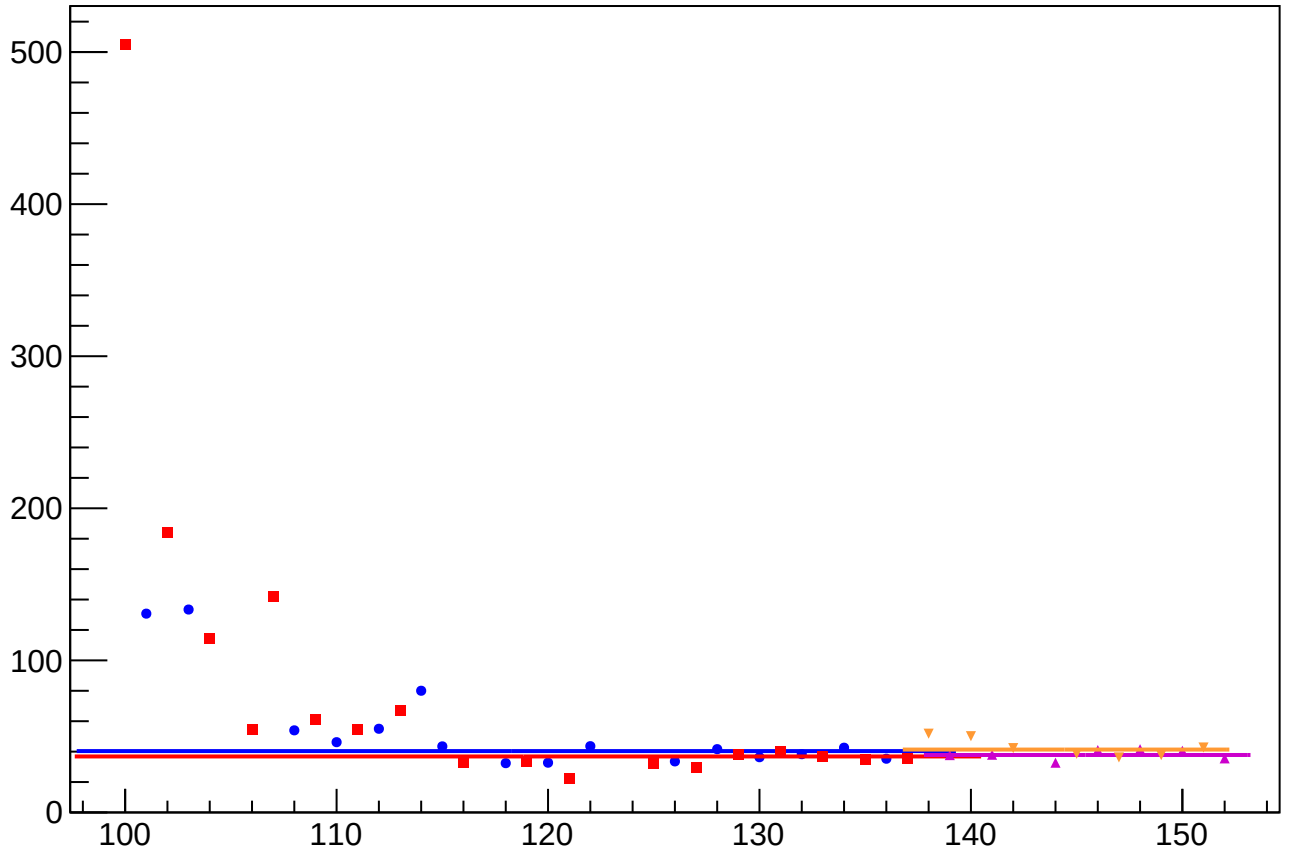
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.015+/-0.017 χ^2/NDF:6.6/6

+ sign 0.006+/-0.013 χ^2/NDF: 20.8/22

All: -0.001+/-0.009 χ^2/NDF: 39.3/47

- sign -0.007+/-0.012 χ^2/NDF: 17.9/24



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.353+/-0.014 χ^2/NDF:152211.7/6

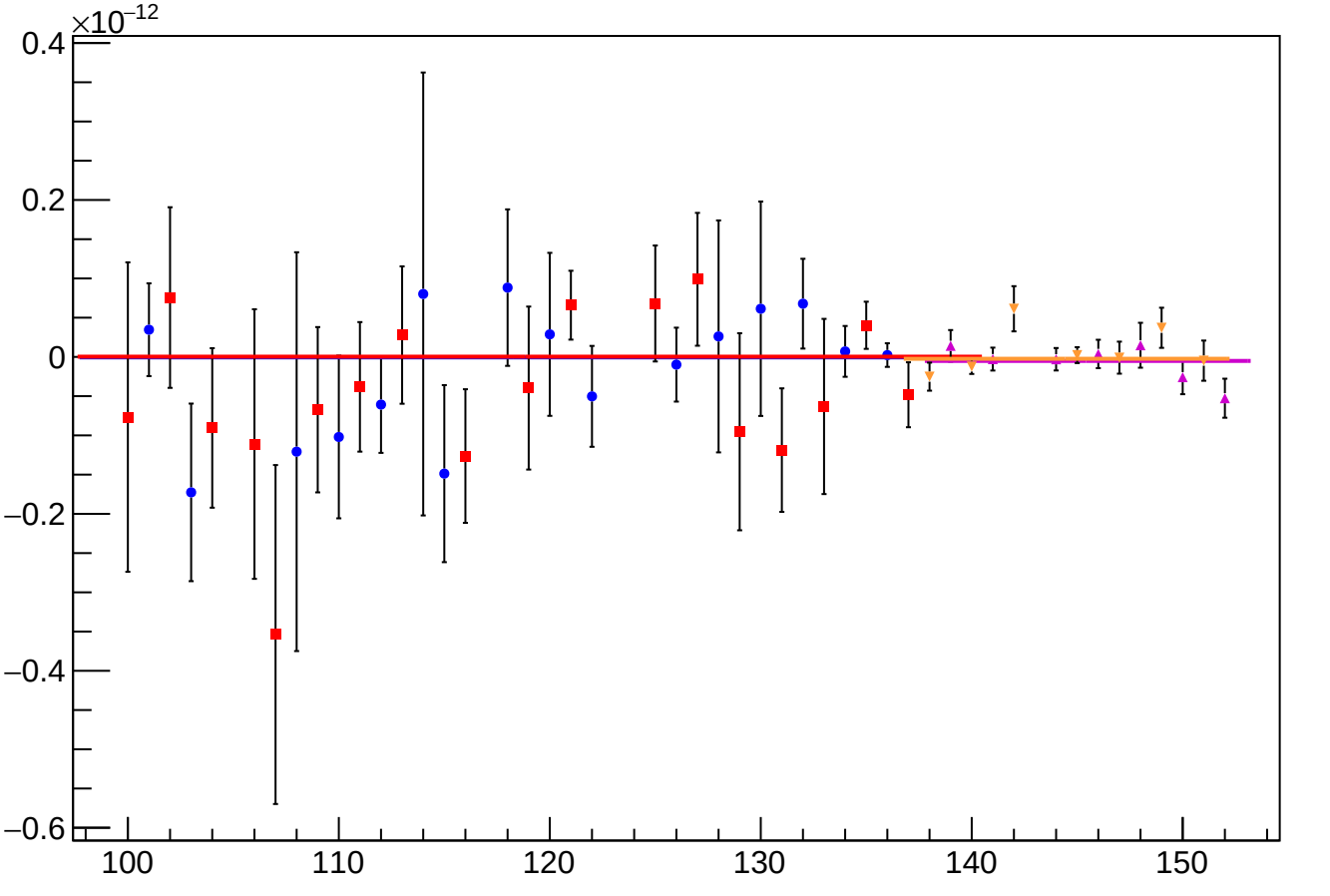
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.787+/-0.012 χ^2/NDF:69435.1/6

+ sign 40.794+/-0.009 χ^2/NDF: 1565275.5/22

All: 38.906+/-0.006 χ^2/NDF: 3555876.8/47

- sign 37.309+/-0.008 χ^2/NDF: 1909917.2/24



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/6

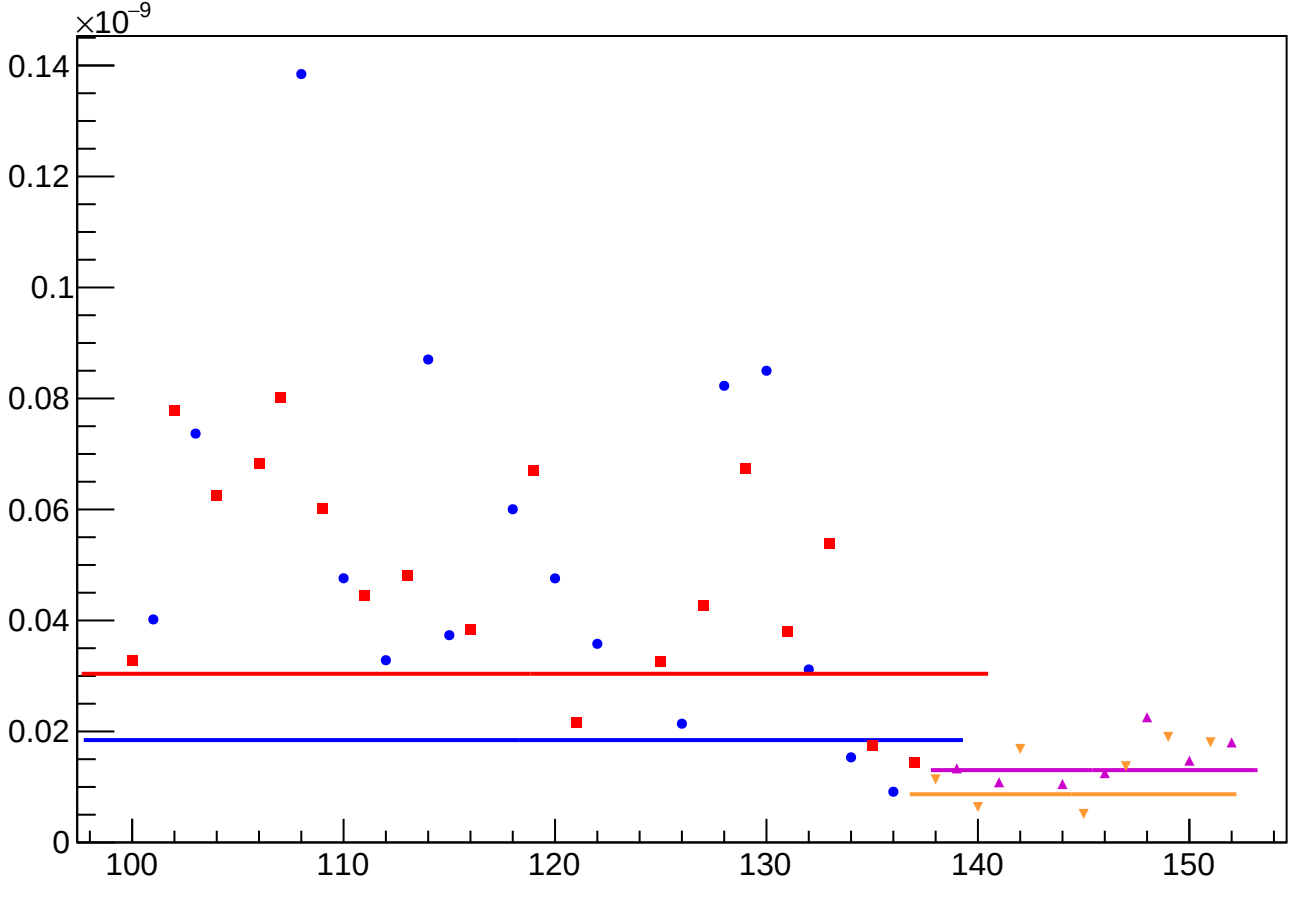
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:6.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 20.1/22

All: -0.000+/-0.000 χ^2/NDF: 44.9/47

- sign -0.000+/-0.000 χ^2/NDF: 24.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1287009.3/6

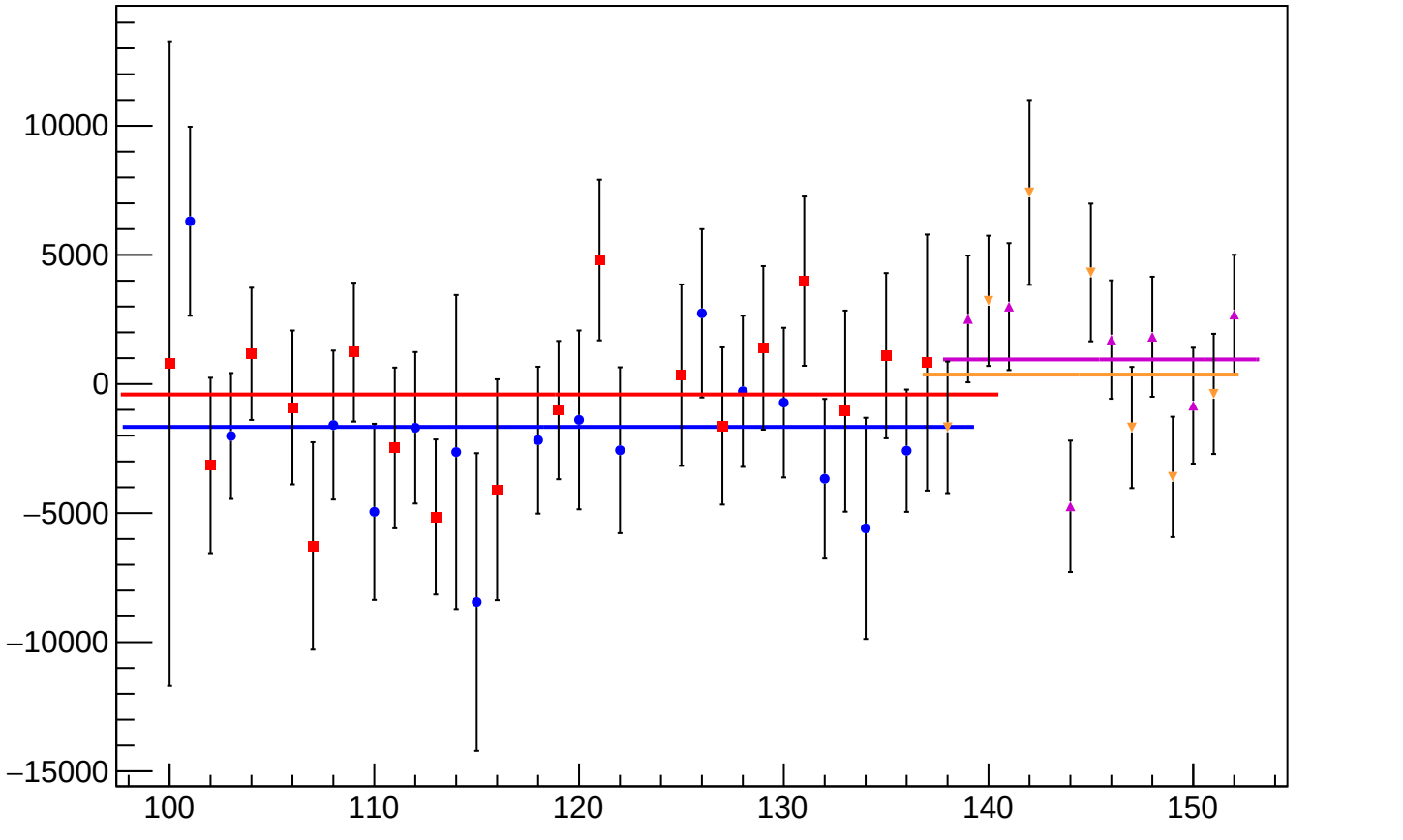
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:423144.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 6454891.2/22

All: 0.000+/-0.000 χ^2/NDF: 11913303.5/47

- sign 0.000+/-0.000 χ^2/NDF: 4689056.7/24



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 364.849+/-962.045 χ^2/NDF:11.8/6

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

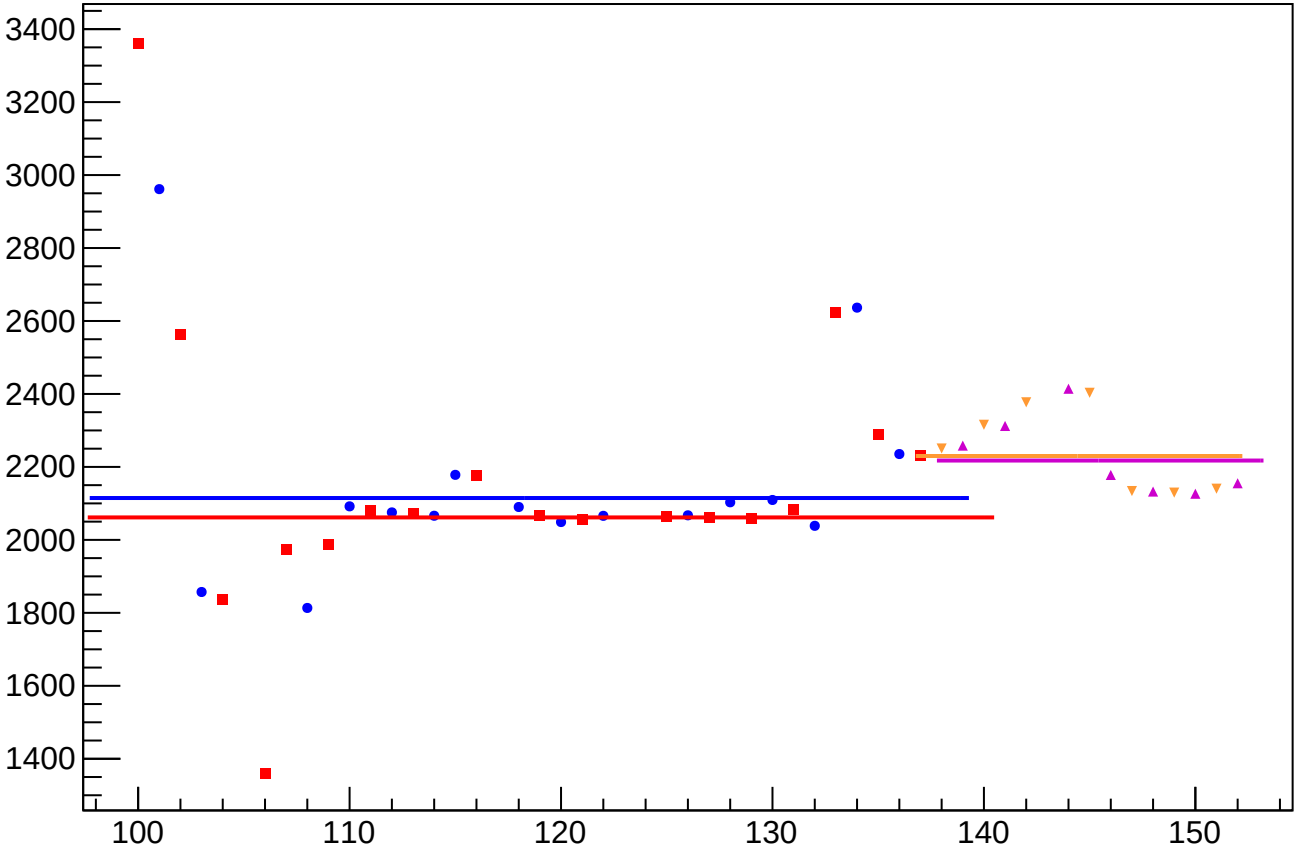
Left In: 950.068+/-895.856 χ^2/NDF:7.6/6

+ sign -844.409+/-611.529 χ^2/NDF: 25.2/22

All: -313.463+/-423.495 χ^2/NDF: 48.3/47

- sign 175.821+/-587.047 χ^2/NDF: 21.6/24

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2229.913+/-0.680 χ^2/NDF:24286.3/6

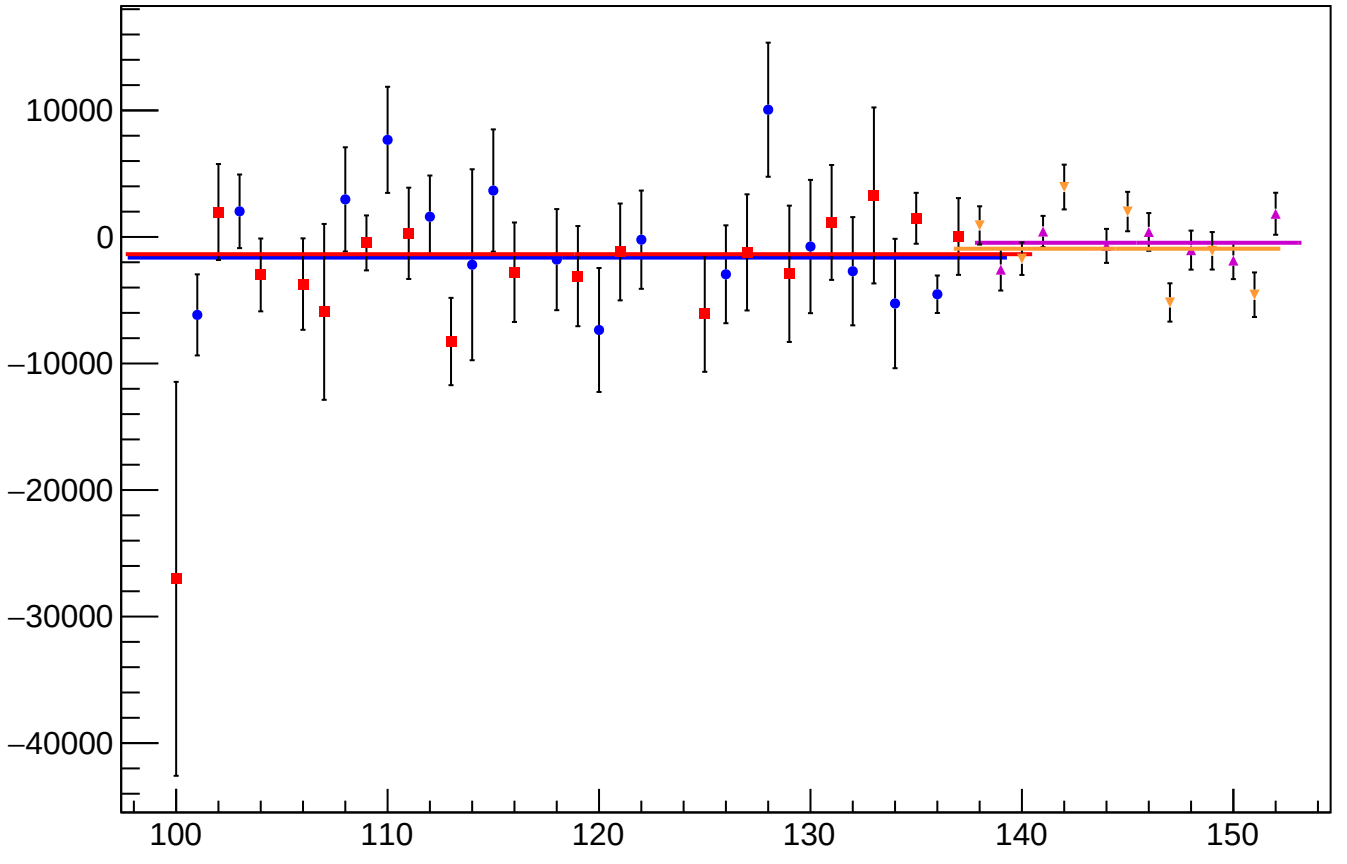
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2217.476+/-0.633 χ^2/NDF:23498.6/6

+ sign 2161.285+/-0.432 χ^2/NDF: 231284.6/22

All: 2144.229+/-0.299 χ^2/NDF: 541526.5/47

- sign 2128.511+/-0.415 χ^2/NDF: 307252.4/24



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -929.985+/-578.395 χ^2/NDF:25.2/6

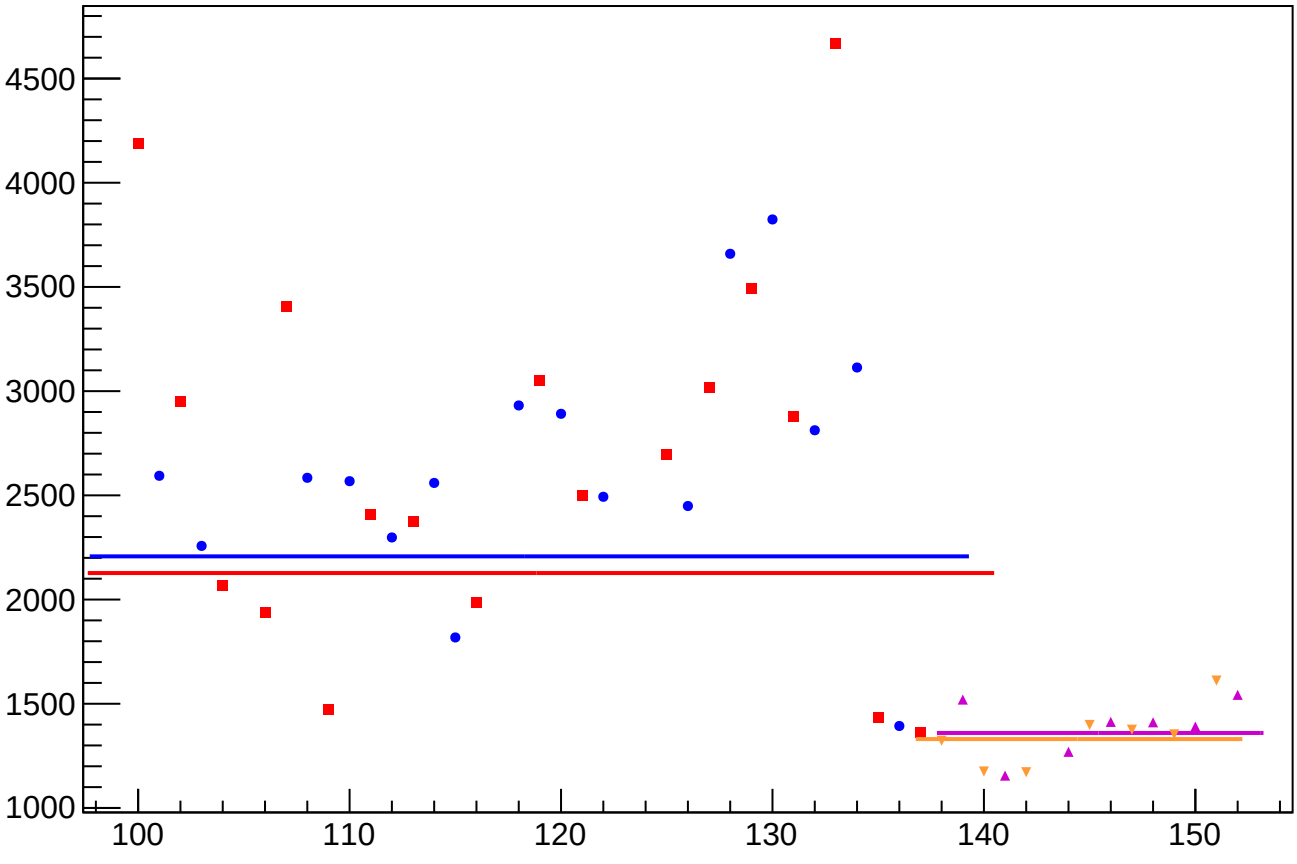
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -458.976+/-552.765 χ^2/NDF:5.5/6

+ sign -1147.310+/-480.365 χ^2/NDF: 48.5/22

All: -931.286+/-332.921 χ^2/NDF: 68.6/47

- sign -731.615+/-461.825 χ^2/NDF: 19.8/24



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1330.504+/-0.409 χ^2/NDF:102321.0/6

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

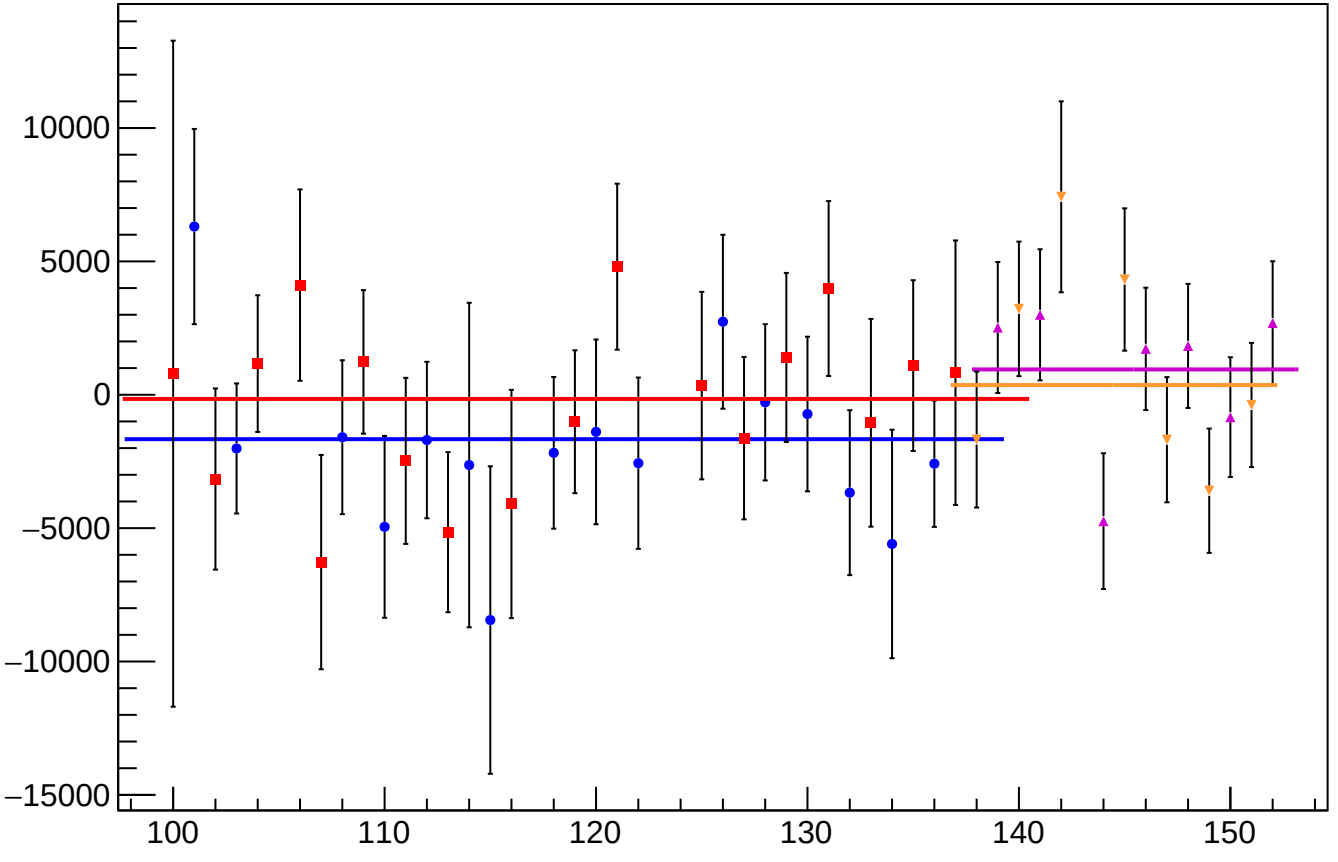
Left In: 1359.832+/-0.391 χ^2/NDF:112784.7/6

+ sign 1602.513+/-0.340 χ^2/NDF: 2777326.7/22

All: 1596.822+/-0.235 χ^2/NDF: 5512685.5/47

- sign 1591.562+/-0.327 χ^2/NDF: 2734818.6/24

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 364.979+/-962.045 χ^2/NDF:11.8/6

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

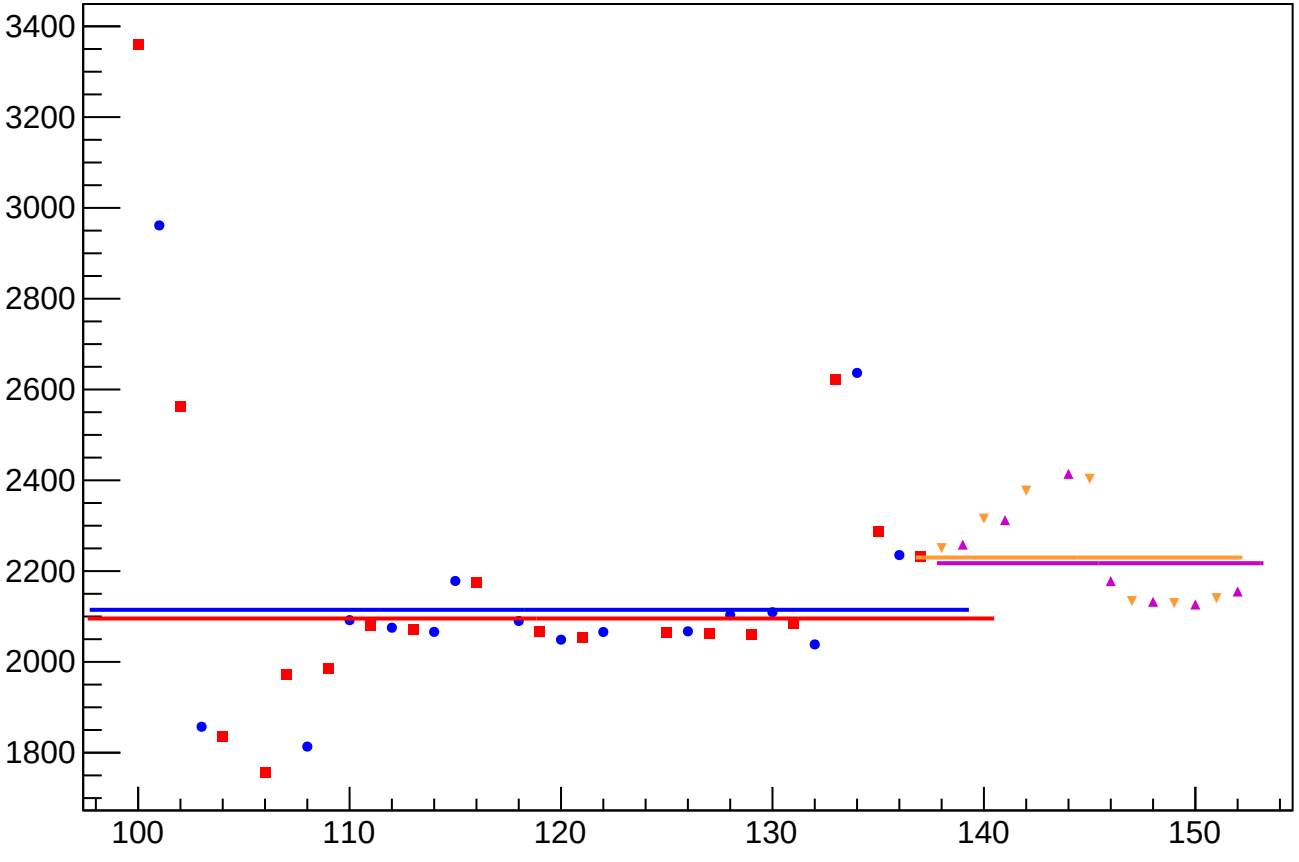
Left In: 950.043+/-895.856 χ^2/NDF:7.6/6

+ sign -844.313+/-611.529 χ^2/NDF: 25.2/22

All: -239.391+/-424.827 χ^2/NDF: 49.7/47

- sign 324.852+/-590.609 χ^2/NDF: 22.6/24

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2229.913+/-0.680 χ^2/NDF:24286.3/6

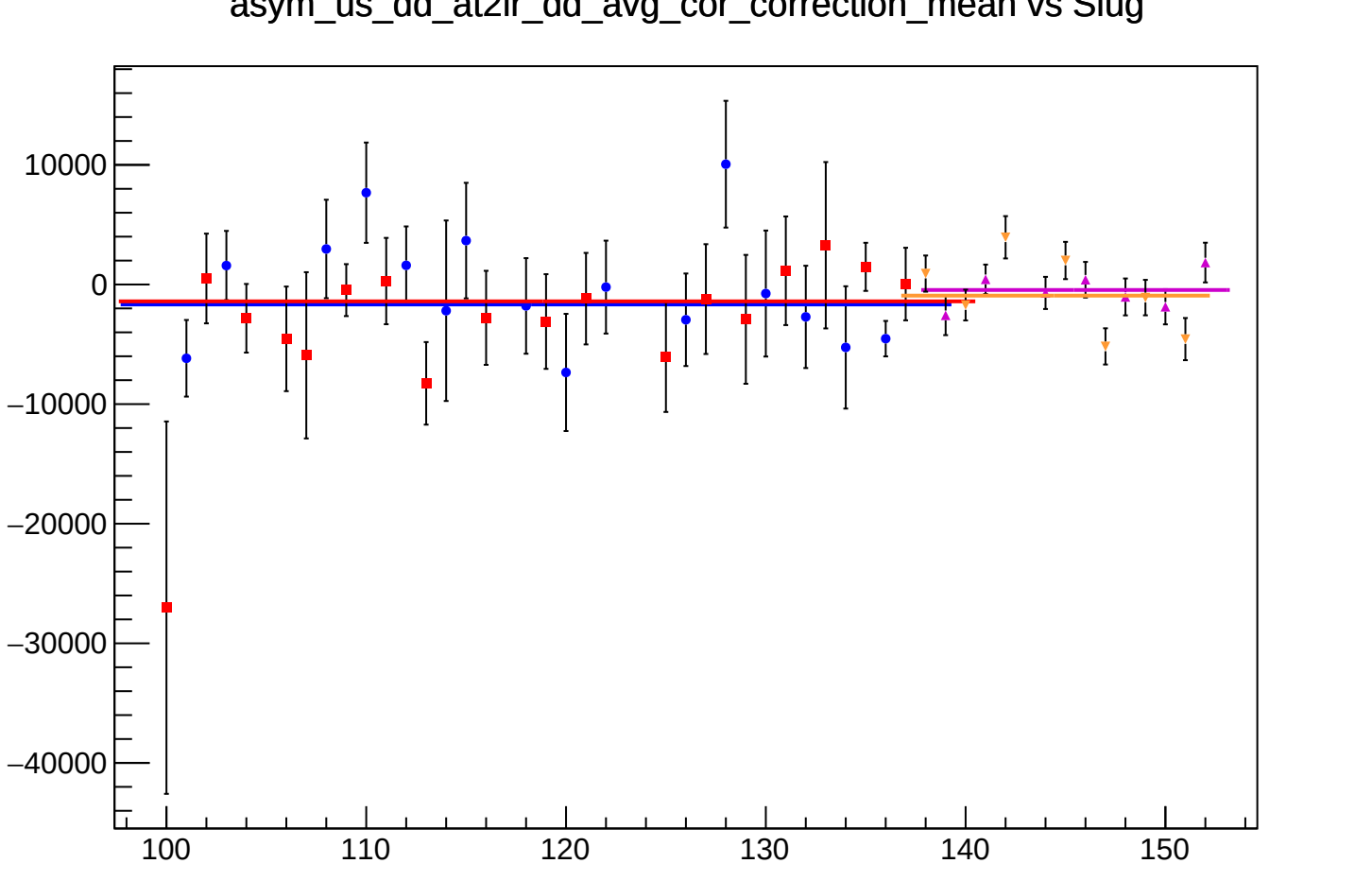
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2217.476+/-0.633 χ^2/NDF:23498.6/6

+ sign 2161.285+/-0.432 χ^2/NDF: 231284.9/22

All: 2154.706+/-0.300 χ^2/NDF: 425520.2/47

- sign 2148.569+/-0.418 χ^2/NDF: 193787.8/24



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -930.051+/-578.402 χ^2/NDF:25.2/6

Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

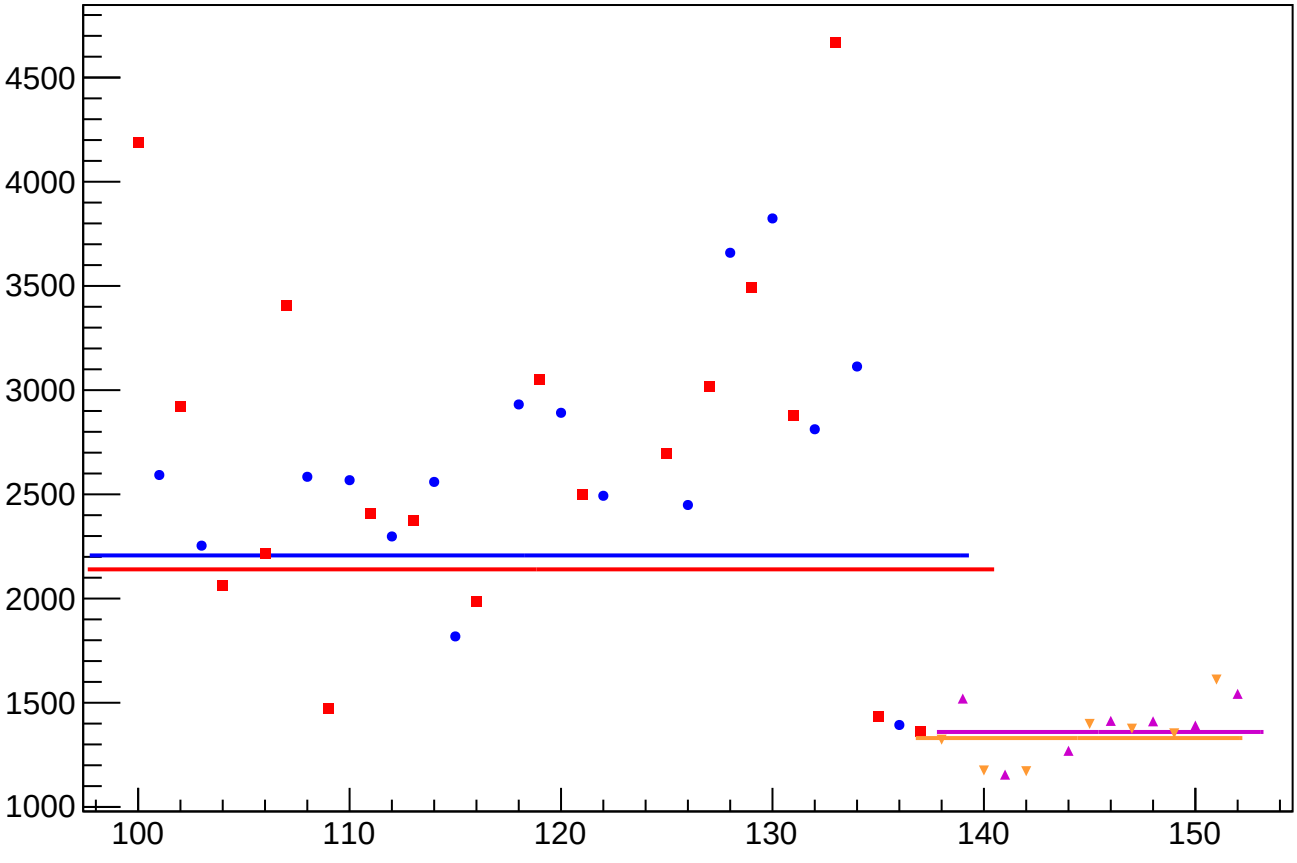
Left In: -458.935+/-552.763 χ^2/NDF:5.5/6

+ sign -1159.258+/-480.318 χ^2/NDF: 48.2/22

All: -943.127+/-333.314 χ^2/NDF: 67.9/47

- sign -742.372+/-462.918 χ^2/NDF: 19.3/24

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1330.523+/-0.409 χ^2/NDF:102291.4/6

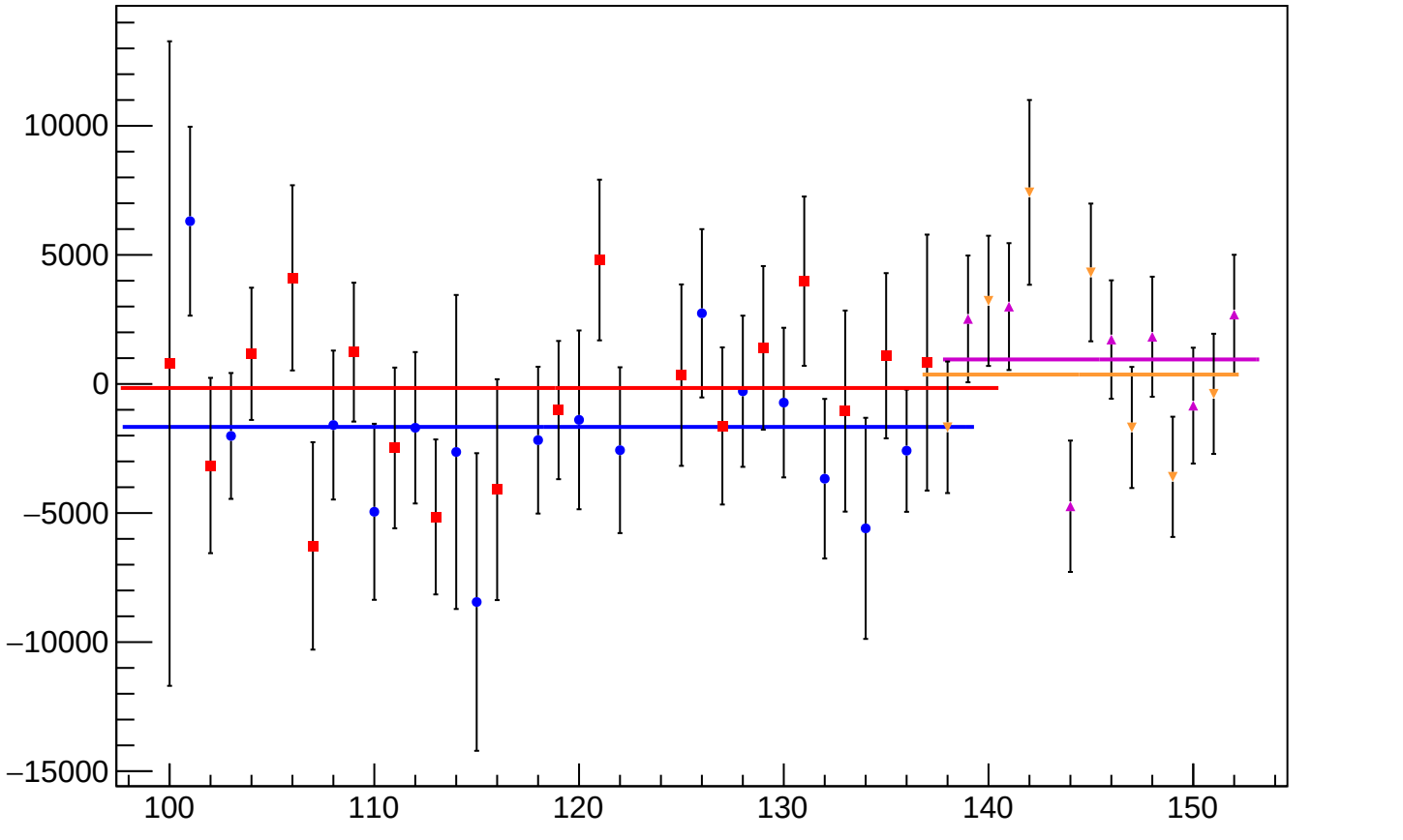
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1359.826+/-0.391 χ^2/NDF:112806.0/6

+ sign 1602.553+/-0.340 χ^2/NDF: 2776553.9/22

All: 1597.521+/-0.236 χ^2/NDF: 5528223.3/47

- sign 1592.848+/-0.327 χ^2/NDF: 2751246.0/24



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 364.979+/-962.045 χ^2/NDF:11.8/6

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

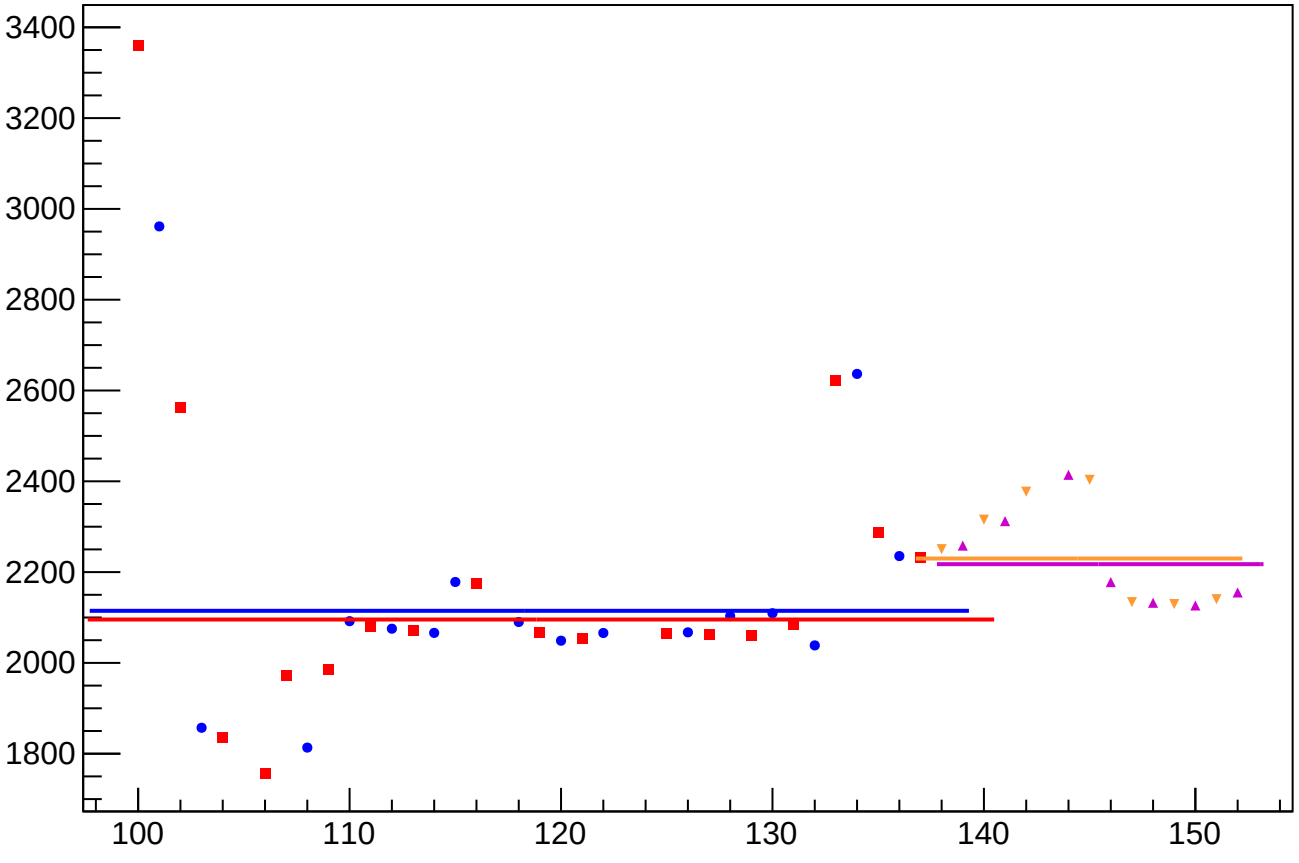
Left In: 950.043+/-895.856 χ^2/NDF:7.6/6

+ sign -844.313+/-611.529 χ^2/NDF: 25.2/22

All: -239.391+/-424.827 χ^2/NDF: 49.7/47

- sign 324.852+/-590.609 χ^2/NDF: 22.6/24

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: 2229.913+/-0.680 χ^2/NDF:24286.3/6

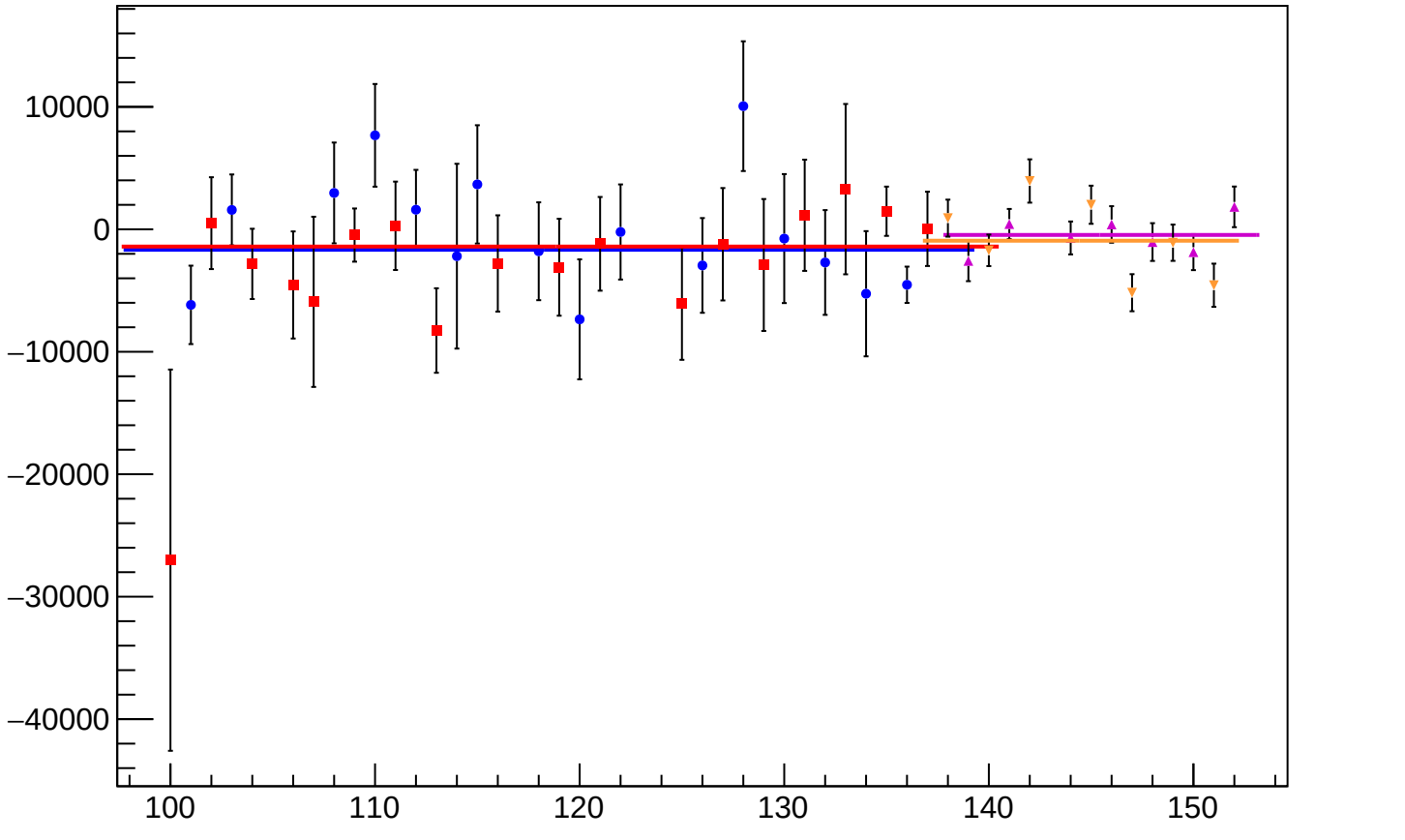
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2217.476+/-0.633 χ^2/NDF:23498.6/6

+ sign 2161.285+/-0.432 χ^2/NDF: 231284.9/22

All: 2154.706+/-0.300 χ^2/NDF: 425520.2/47

- sign 2148.569+/-0.418 χ^2/NDF: 193787.8/24



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -930.051+/-578.402 χ^2/NDF:25.2/6

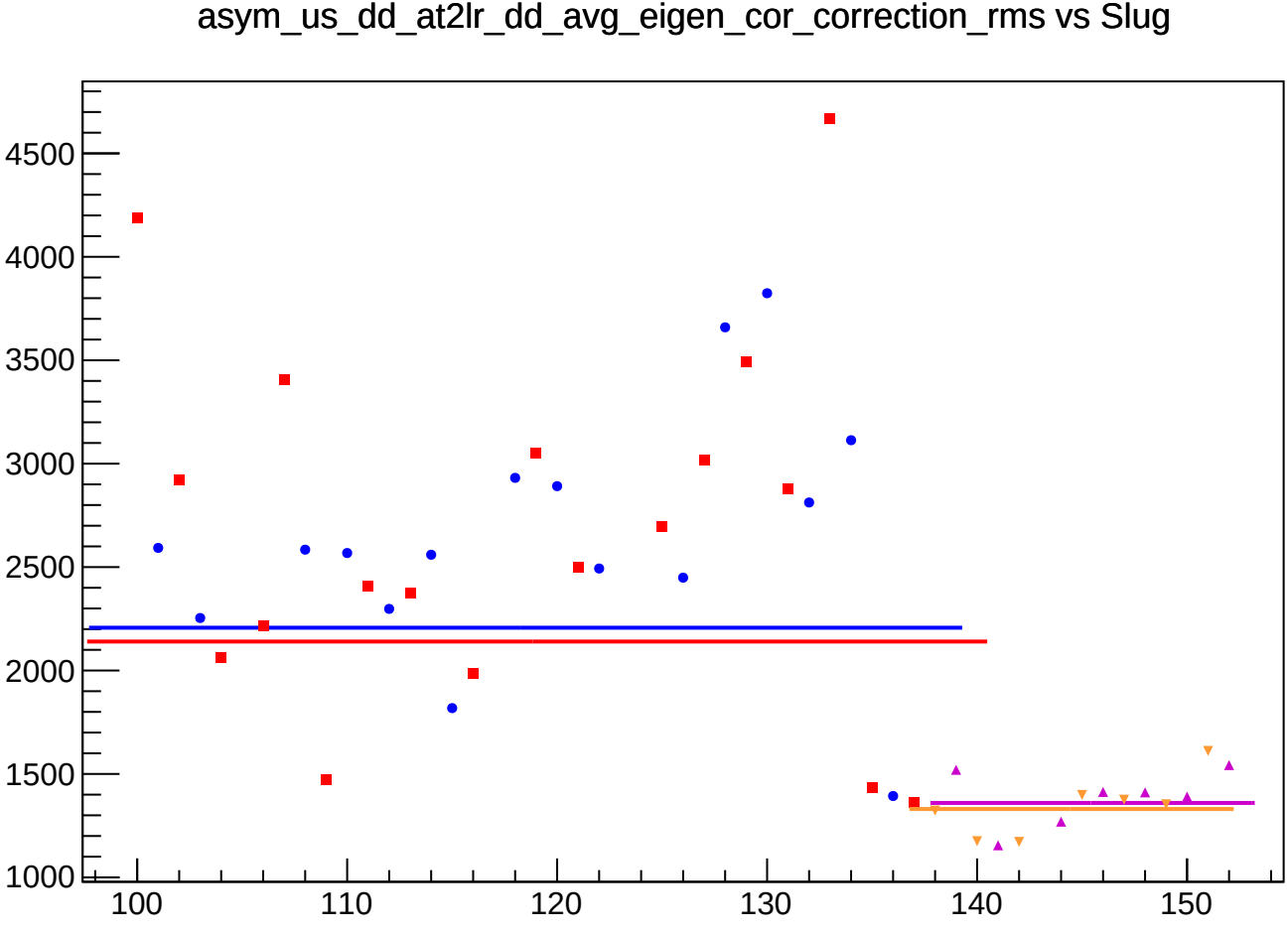
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -458.935+/-552.763 χ^2/NDF:5.5/6

+ sign -1159.258+/-480.318 χ^2/NDF: 48.2/22

All: -943.127+/-333.314 χ^2/NDF: 67.9/47

- sign -742.372+/-462.918 χ^2/NDF: 19.3/24



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1330.523+/-0.409 χ^2/NDF:102291.4/6

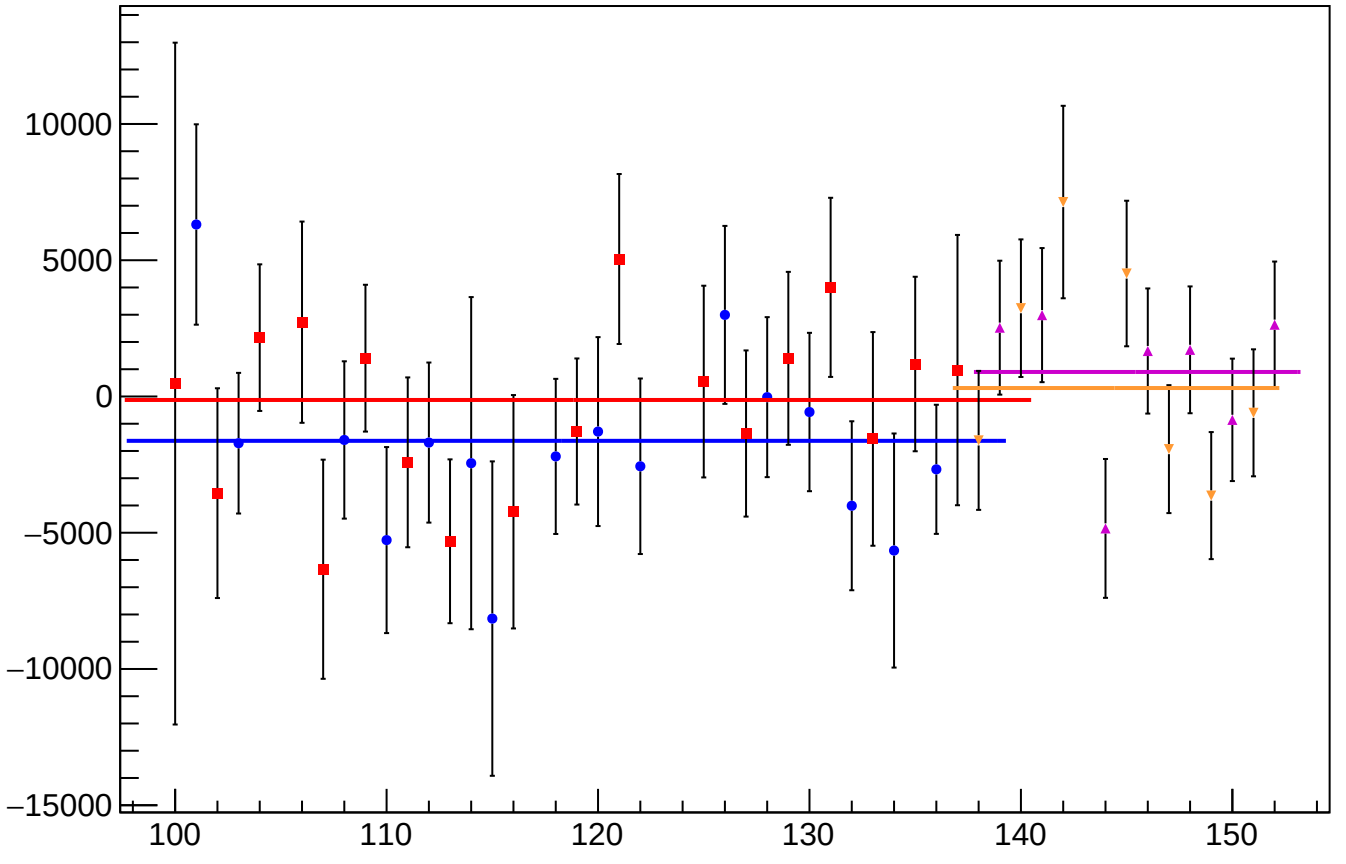
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1359.826+/-0.391 χ^2/NDF:112806.0/6

+ sign 1602.553+/-0.340 χ^2/NDF: 2776553.9/22

All: 1597.521+/-0.236 χ^2/NDF: 5528223.3/47

- sign 1592.848+/-0.327 χ^2/NDF: 2751246.0/24



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 310.131+/-961.965 χ^2/NDF:12.1/6

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

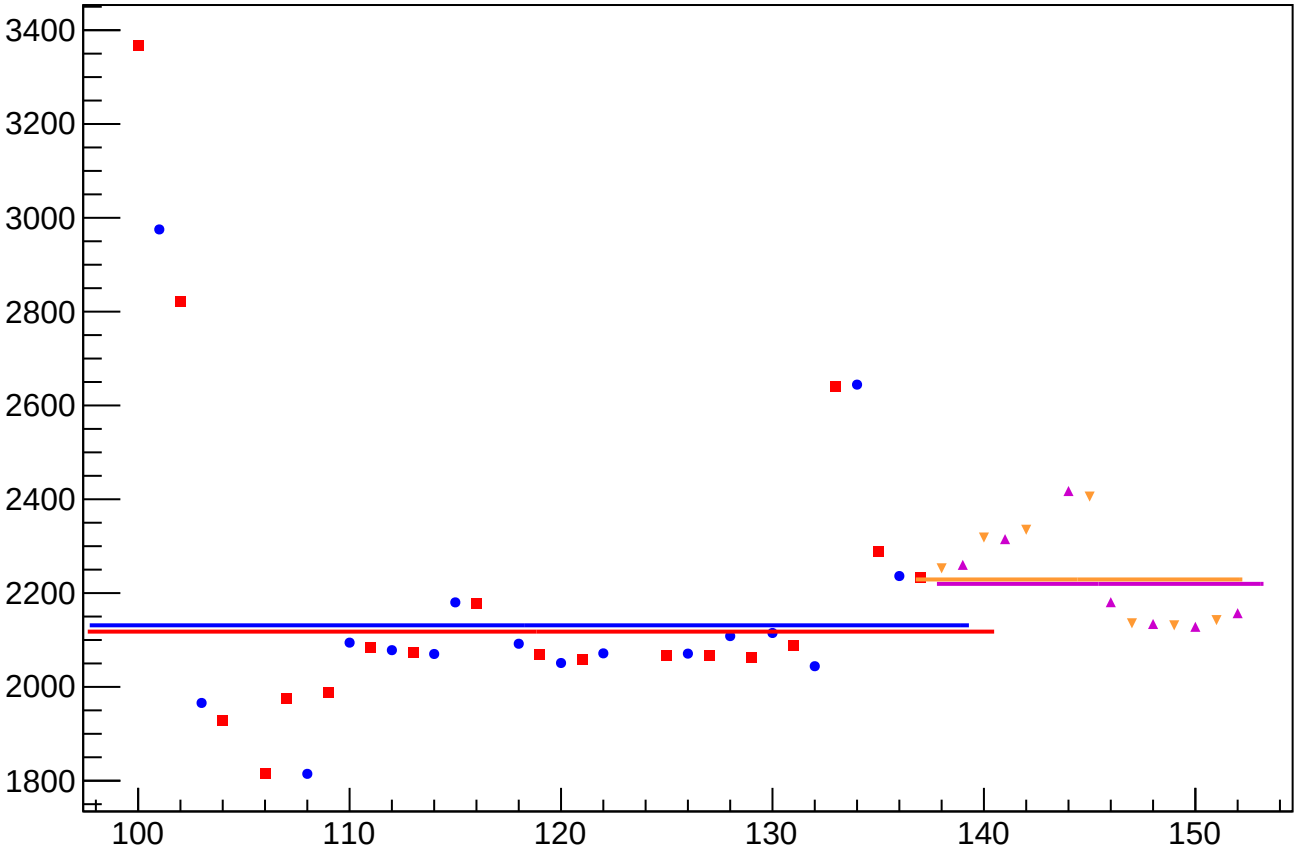
Left In: 899.665+/-896.754 χ^2/NDF:7.6/6

+ sign -837.767+/-614.166 χ^2/NDF: 25.8/22

All: -238.337+/-427.441 χ^2/NDF: 50.6/47

- sign 324.761+/-595.263 χ^2/NDF: 22.9/24

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2229.059+/-0.680 χ^2/NDF:22686.4/6

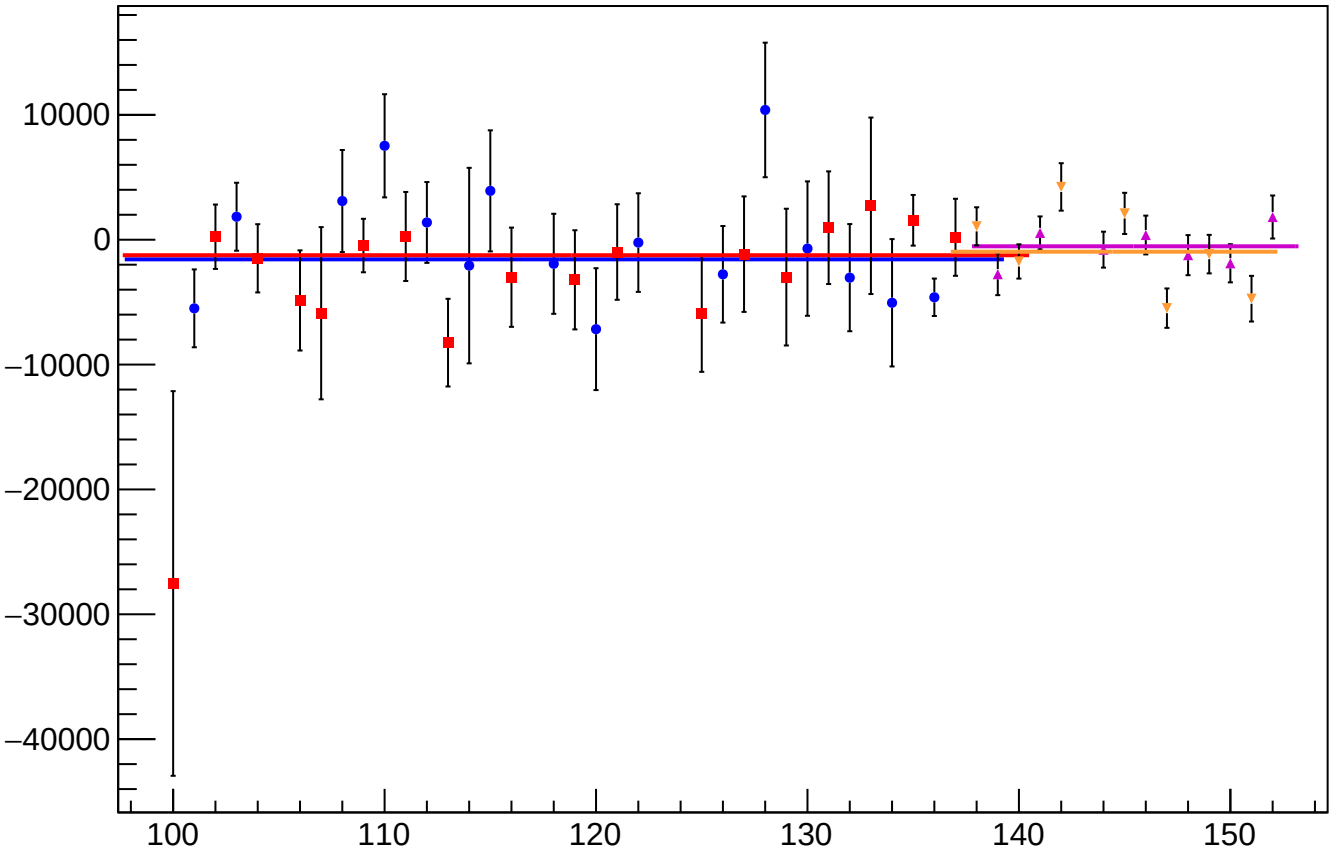
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2219.674+/-0.634 χ^2/NDF:23668.9/6

+ sign 2171.147+/-0.434 χ^2/NDF: 210865.9/22

All: 2166.805+/-0.302 χ^2/NDF: 412770.4/47

- sign 2162.726+/-0.421 χ^2/NDF: 201710.6/24



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -958.916+/-605.492 χ^2/NDF:25.5/6

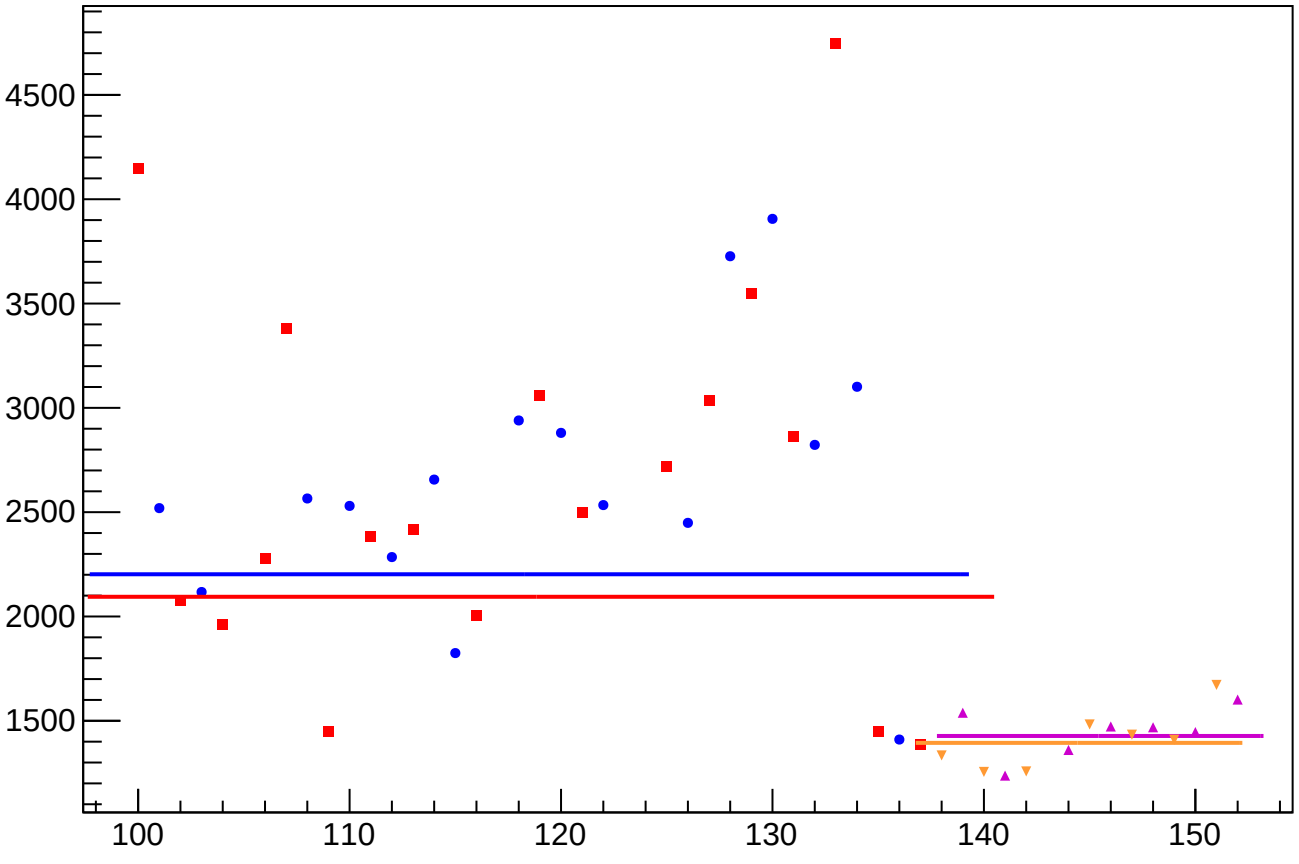
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -527.031+/-579.305 χ^2/NDF:5.6/6

+ sign -1161.873+/-495.045 χ^2/NDF: 48.4/22

All: -954.353+/-342.027 χ^2/NDF: 68.0/47

- sign -764.825+/-473.100 χ^2/NDF: 19.2/24



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1394.233+/-0.428 χ^2/NDF:87413.8/6

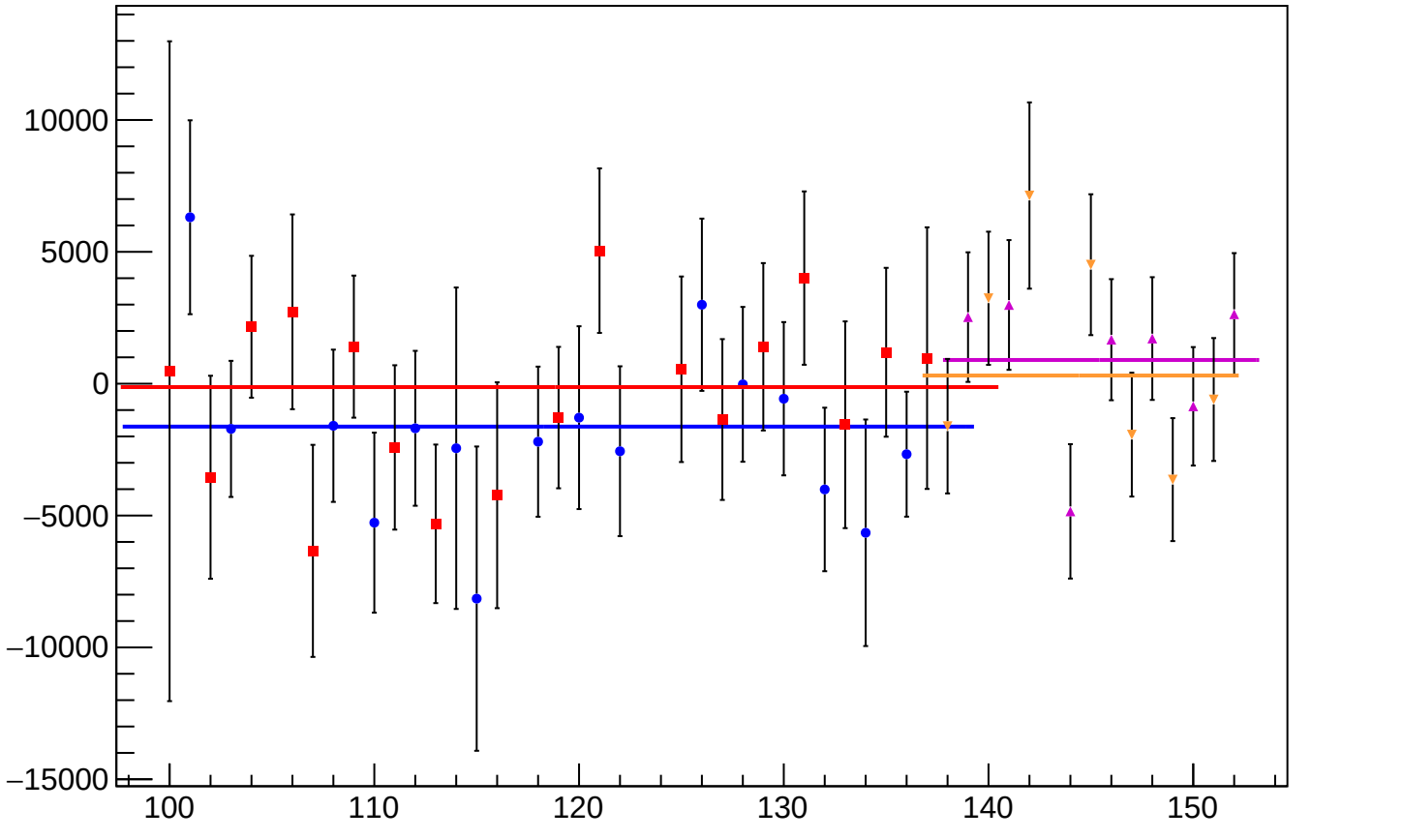
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1427.319+/-0.410 χ^2/NDF:78464.3/6

+ sign 1662.169+/-0.350 χ^2/NDF: 2491607.6/22

All: 1655.552+/-0.242 χ^2/NDF: 4827810.0/47

- sign 1649.509+/-0.335 χ^2/NDF: 2335518.8/24



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 310.134+/-961.965 χ^2/NDF:12.1/6

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

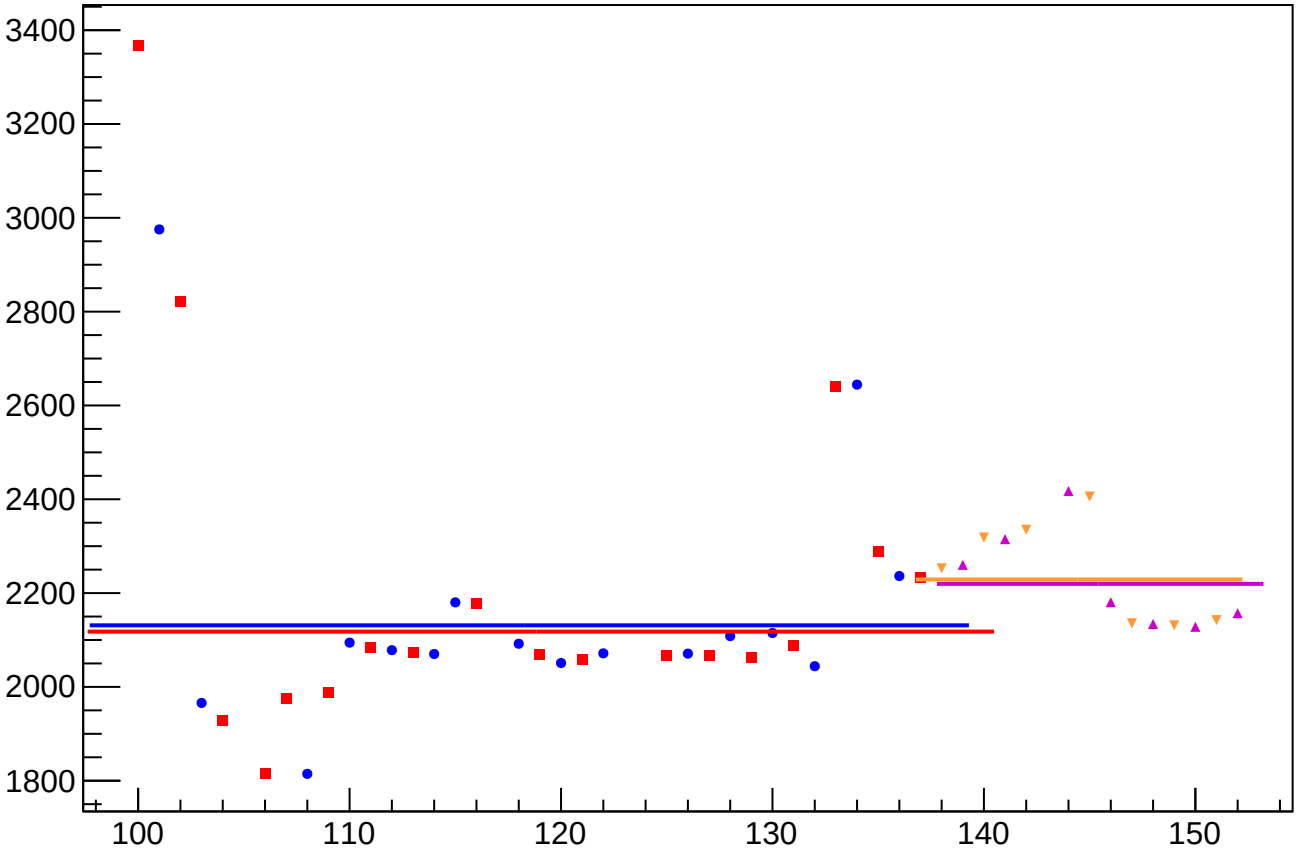
Left In: 899.658+/-896.754 χ^2/NDF:7.6/6

+ sign -837.767+/-614.166 χ^2/NDF: 25.8/22

All: -238.337+/-427.441 χ^2/NDF: 50.6/47

- sign 324.762+/-595.263 χ^2/NDF: 22.9/24

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: 2229.059+/-0.680 χ^2/NDF:22686.5/6

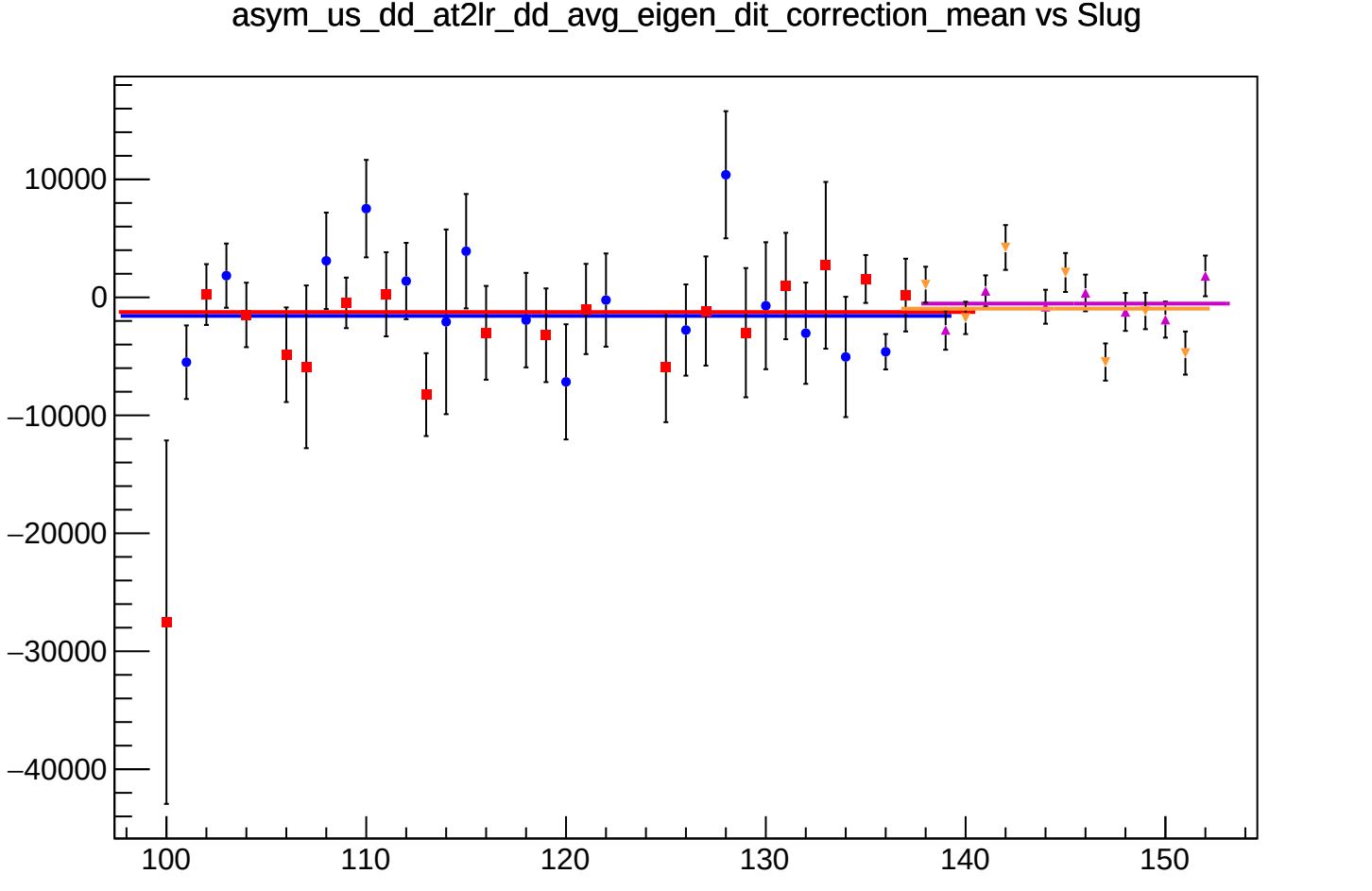
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2219.673+/-0.634 χ^2/NDF:23669.0/6

+ sign 2171.147+/-0.434 χ^2/NDF: 210865.9/22

All: 2166.805+/-0.302 χ^2/NDF: 412770.4/47

- sign 2162.726+/-0.421 χ^2/NDF: 201710.6/24



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -958.928+/-605.494 χ^2/NDF:25.5/6

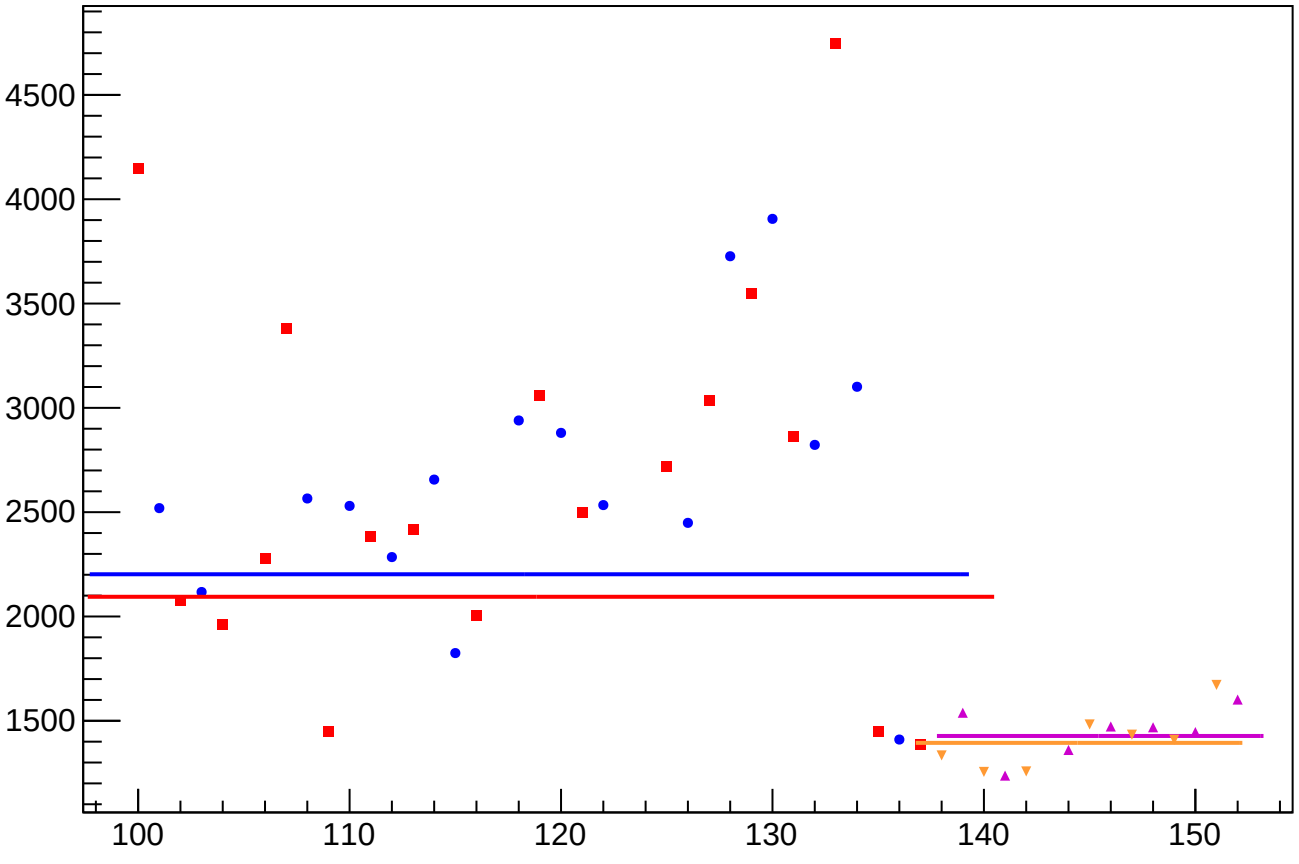
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -527.031+/-579.305 χ^2/NDF:5.6/6

+ sign -1161.876+/-495.047 χ^2/NDF: 48.4/22

All: -954.356+/-342.028 χ^2/NDF: 68.0/47

- sign -764.828+/-473.100 χ^2/NDF: 19.2/24



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1394.239+/-0.428 χ^2/NDF:87408.7/6

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

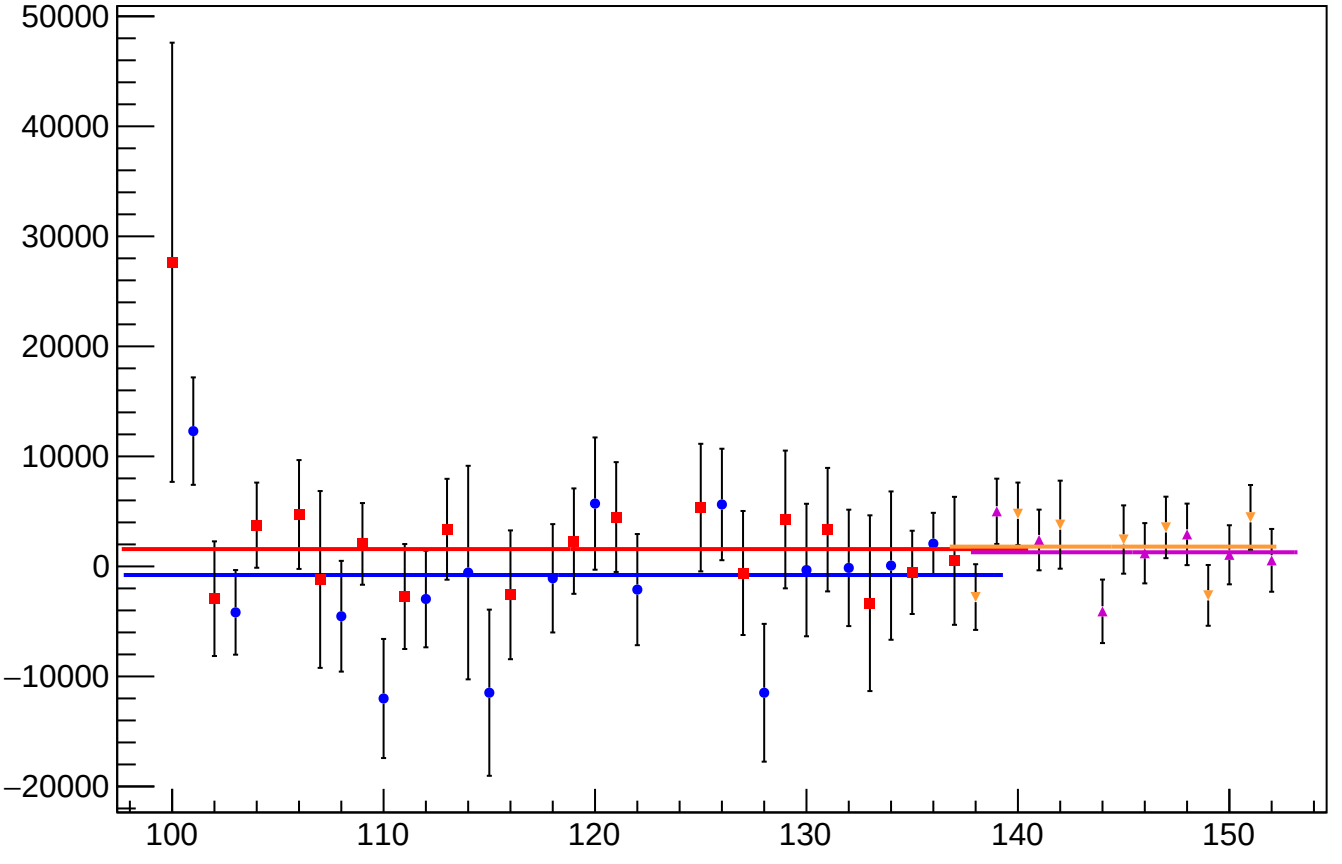
Left In: 1427.320+/-0.410 χ^2/NDF:78465.6/6

+ sign 1662.177+/-0.350 χ^2/NDF: 2491553.8/22

All: 1655.557+/-0.242 χ^2/NDF: 4827736.2/47

- sign 1649.512+/-0.335 χ^2/NDF: 2335498.2/24

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1798.189+/-1133.893 χ^2/NDF:7.5/6

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

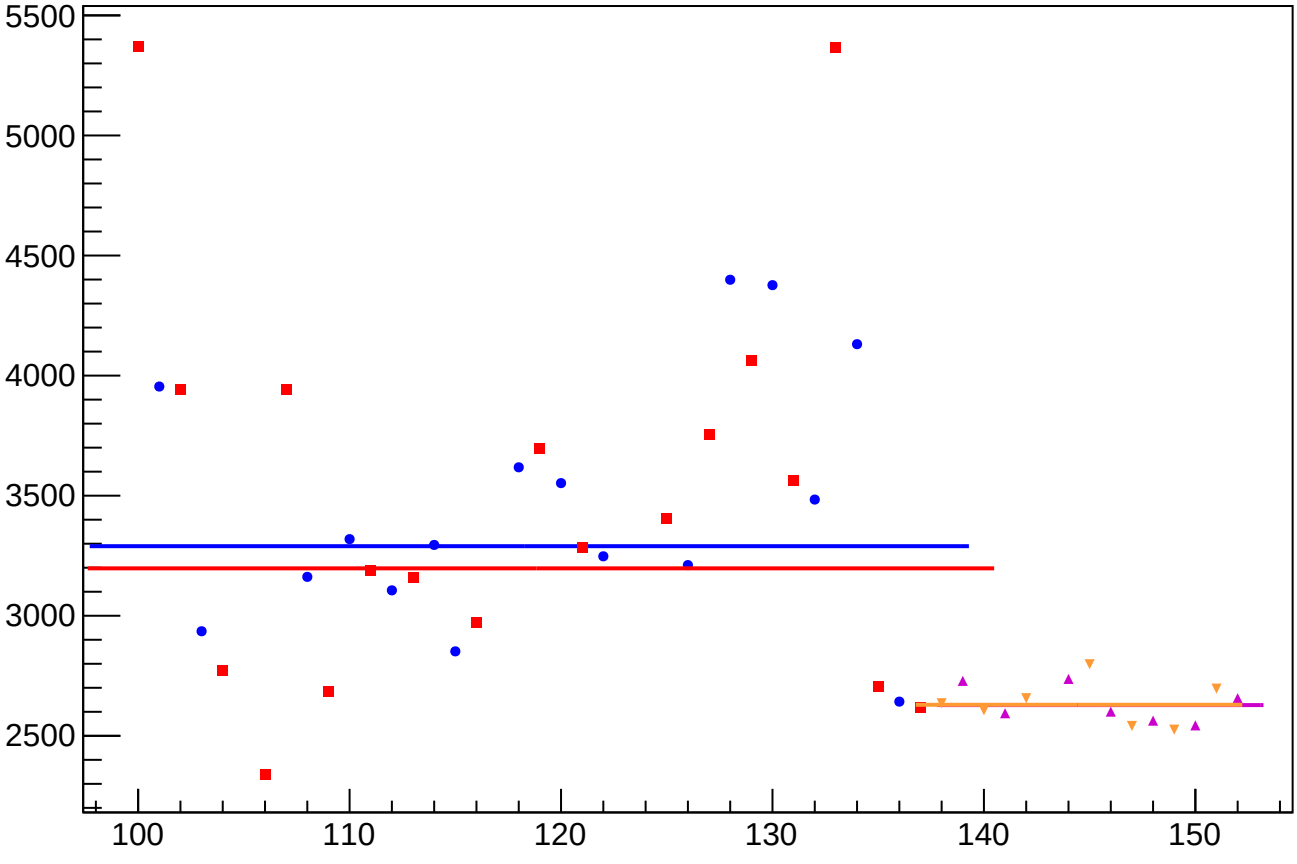
Left In: 1284.740+/-1061.254 χ^2/NDF:5.6/6

+ sign 625.131+/-837.311 χ^2/NDF: 31.8/22

All: 1035.111+/-578.581 χ^2/NDF: 44.6/47

- sign 1409.750+/-800.409 χ^2/NDF: 12.4/24

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2629.289+/-0.802 χ^2/NDF:11992.1/6

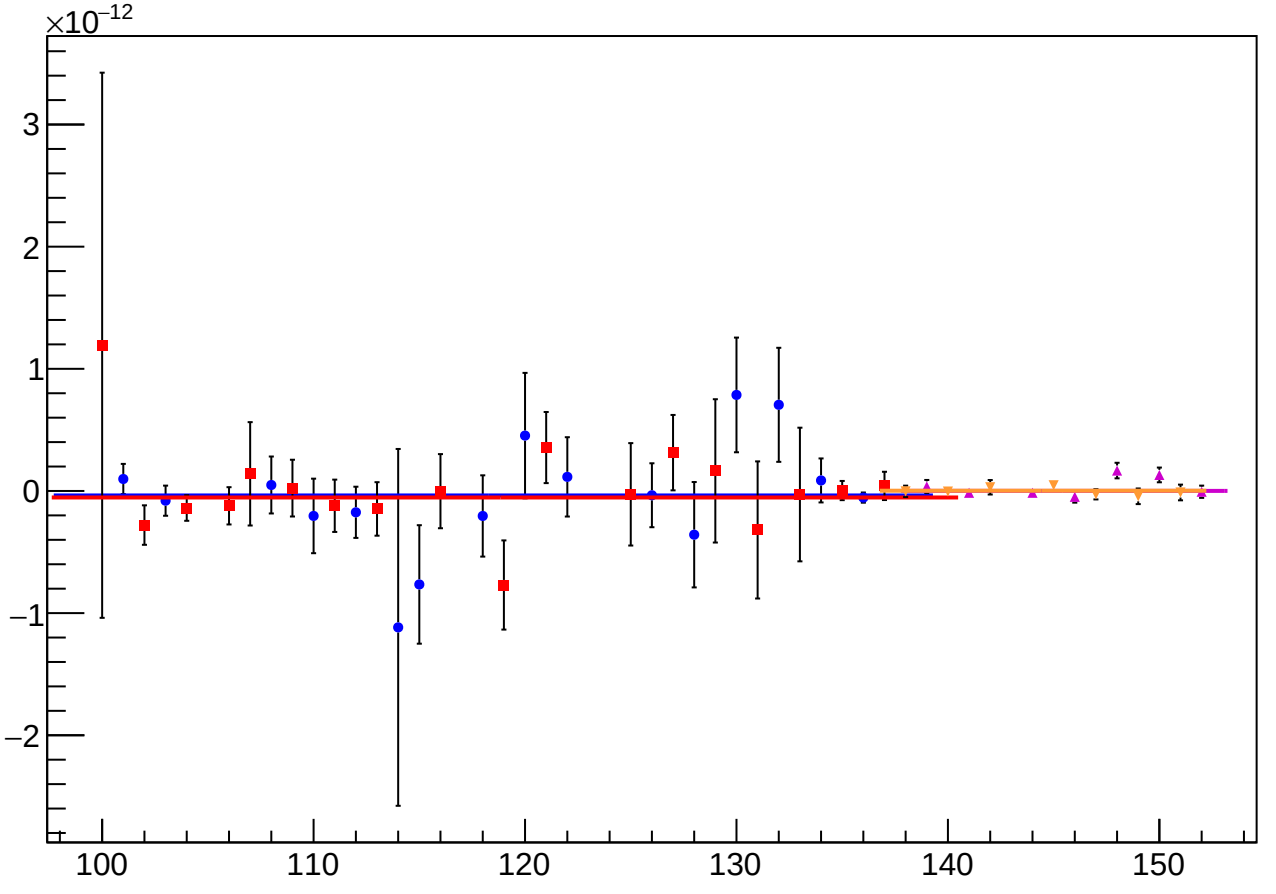
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2627.991+/-0.750 χ^2/NDF:8917.2/6

+ sign 2929.579+/-0.592 χ^2/NDF: 668070.6/22

All: 2900.273+/-0.409 χ^2/NDF: 1429840.3/47

- sign 2873.494+/-0.566 χ^2/NDF: 757081.1/24



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/6

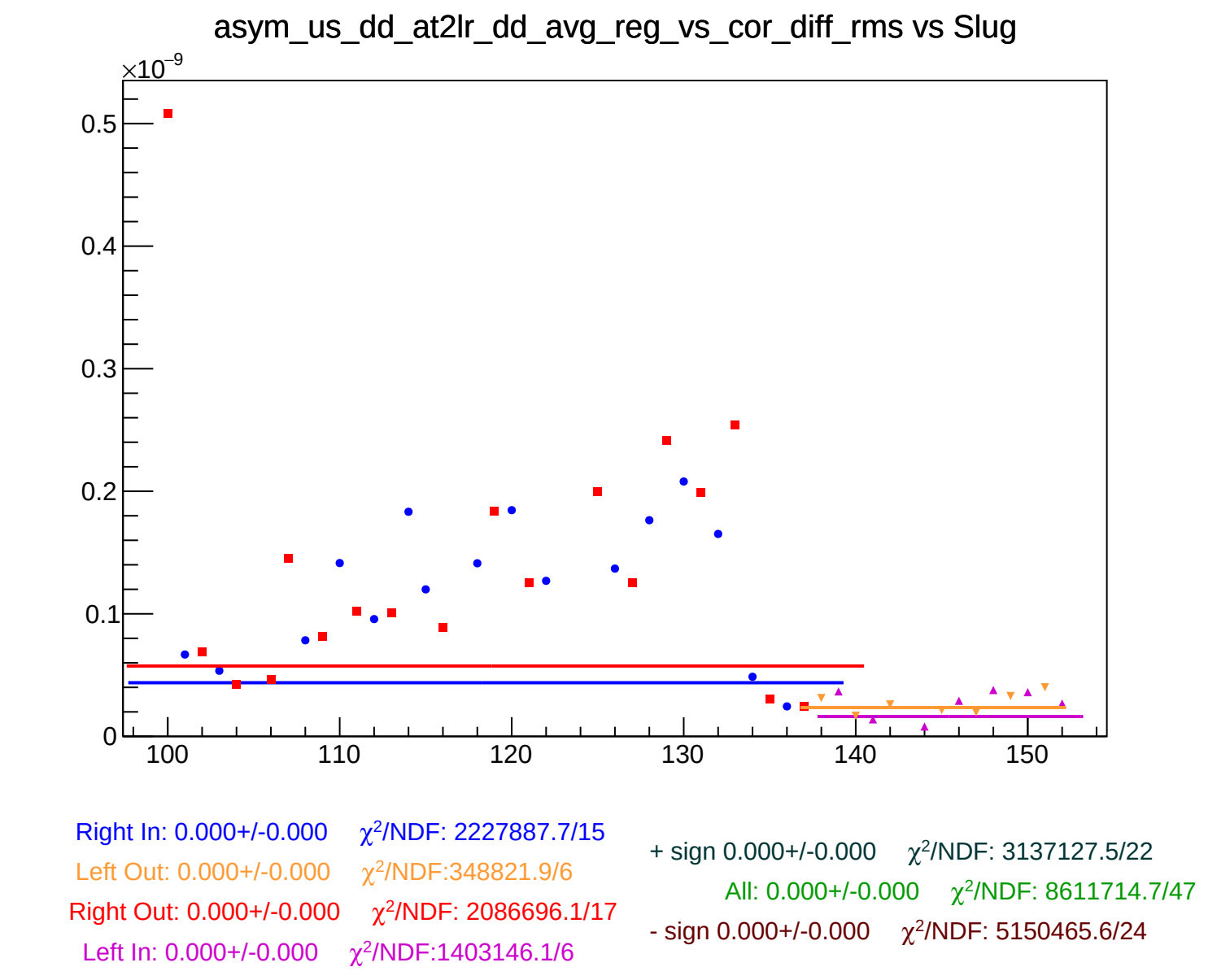
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

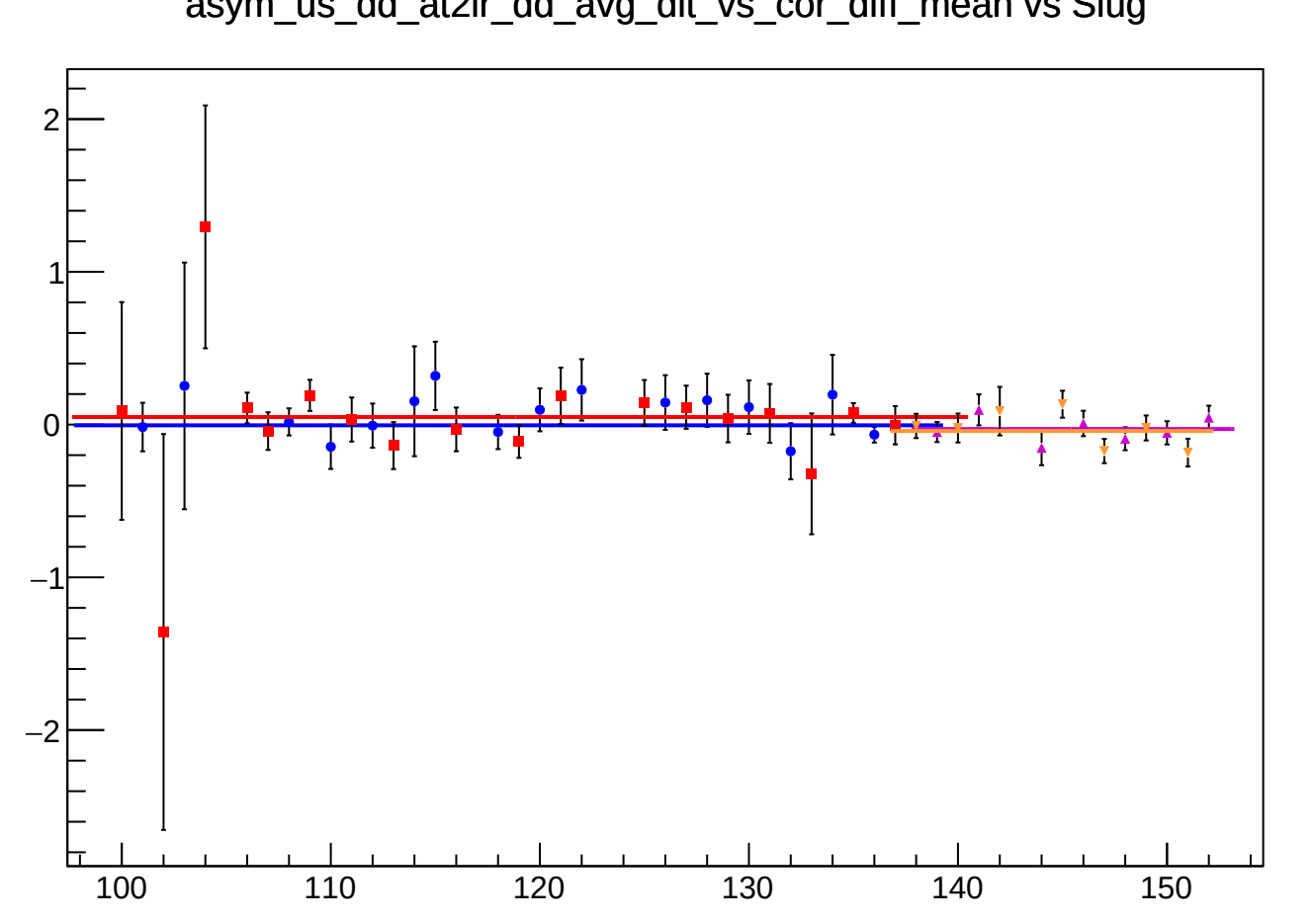
Left In: 0.000+/-0.000 χ^2/NDF:14.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 17.0/22

All: -0.000+/-0.000 χ^2/NDF: 45.1/47

- sign -0.000+/-0.000 χ^2/NDF: 28.0/24


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:348821.9/6
Right Out: 0.000+/-0.000 χ²/NDF: 2086696.1/17
Left In: 0.000+/-0.000 χ²/NDF:1403146.1/6
+ sign 0.000+/-0.000 χ²/NDF: 3137127.5/22
All: 0.000+/-0.000 χ²/NDF: 8611714.7/47
- sign 0.000+/-0.000 χ²/NDF: 5150465.6/24



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.042+/-0.034 χ^2/NDF:10.0/6

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

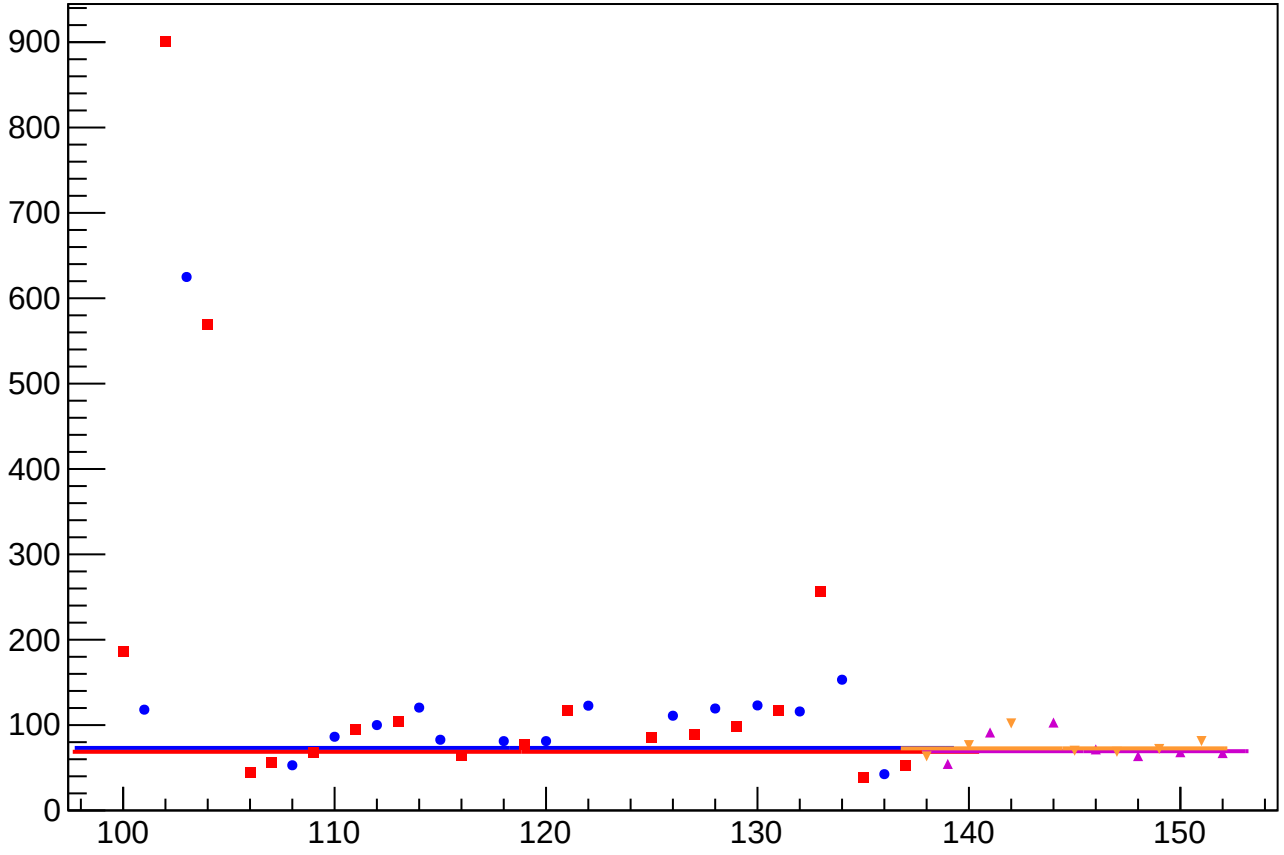
Left In: -0.029+/-0.031 χ^2/NDF:4.7/6

+ sign -0.022+/-0.023 χ^2/NDF: 21.0/22

All: -0.006+/-0.016 χ^2/NDF: 42.9/47

- sign 0.009+/-0.022 χ^2/NDF: 20.9/24

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: 72.738+/-0.024 χ^2/NDF:123334.1/6

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

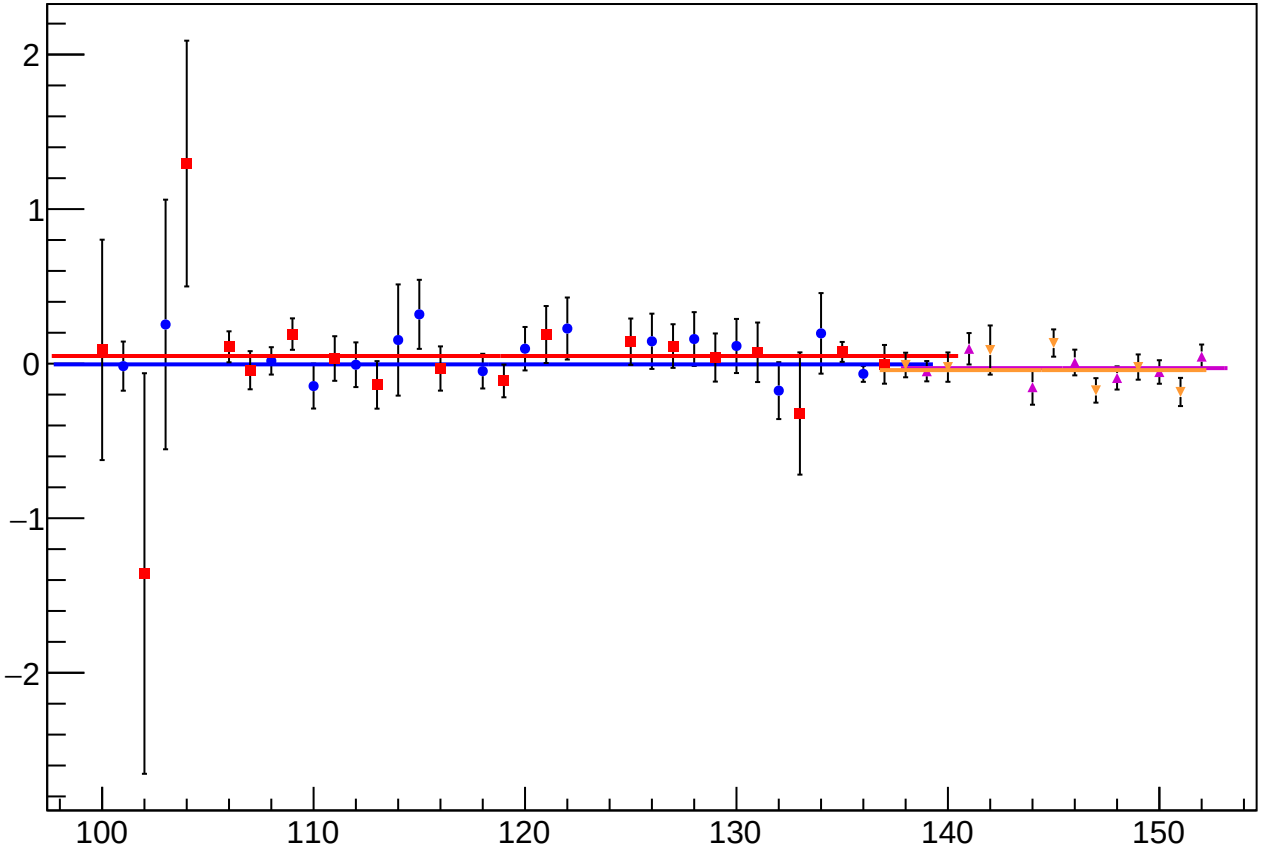
Left In: 69.418+/-0.022 χ^2/NDF:385289.5/6

+ sign 72.999+/-0.017 χ^2/NDF: 2978160.5/22

All: 70.923+/-0.011 χ^2/NDF: 6725446.1/47

- sign 69.082+/-0.016 χ^2/NDF: 3717529.4/24

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.042+/-0.034 χ^2/NDF:10.0/6

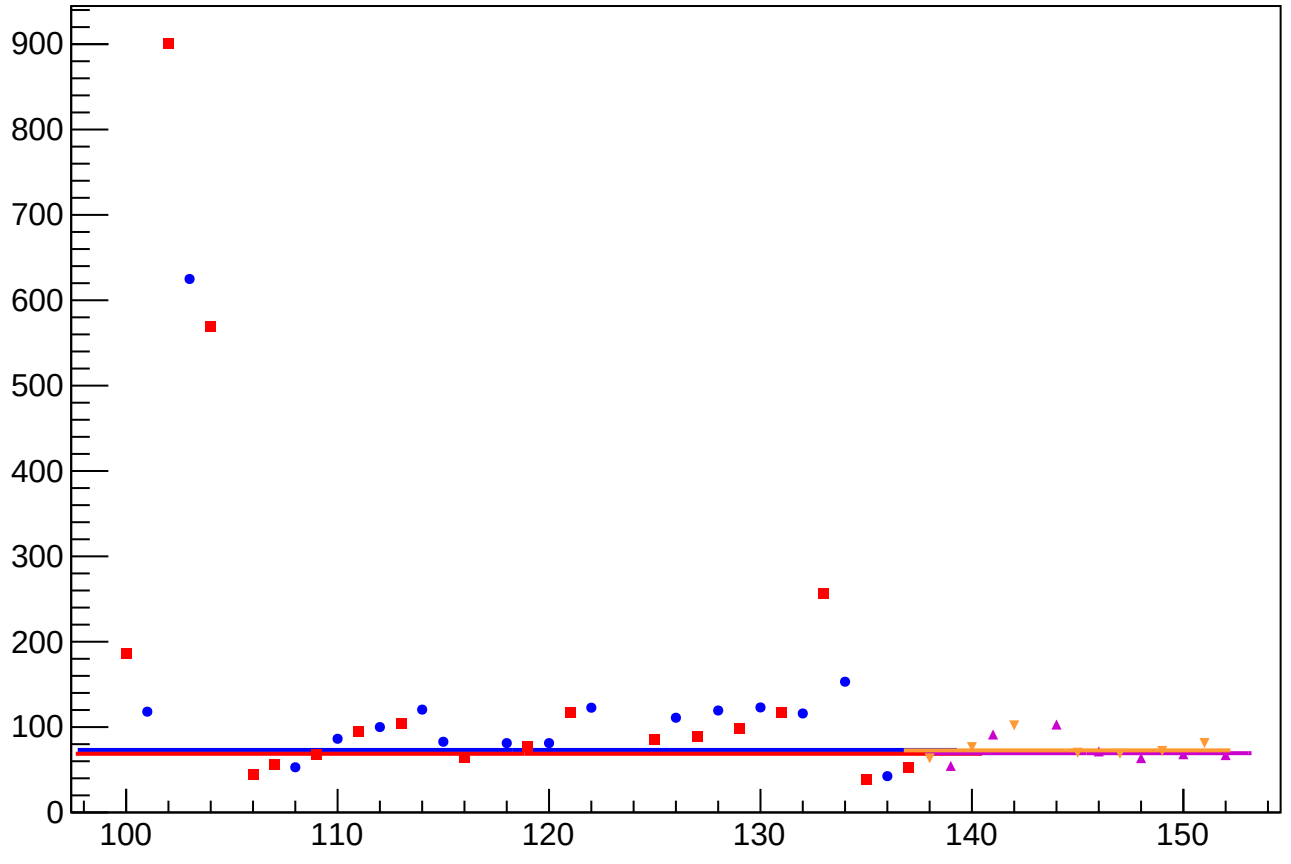
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.029+/-0.031 χ^2/NDF:4.7/6

+ sign -0.022+/-0.023 χ^2/NDF: 21.0/22

All: -0.006+/-0.016 χ^2/NDF: 42.9/47

- sign 0.009+/-0.022 χ^2/NDF: 20.9/24



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 72.738+/-0.024 χ^2/NDF:123334.1/6

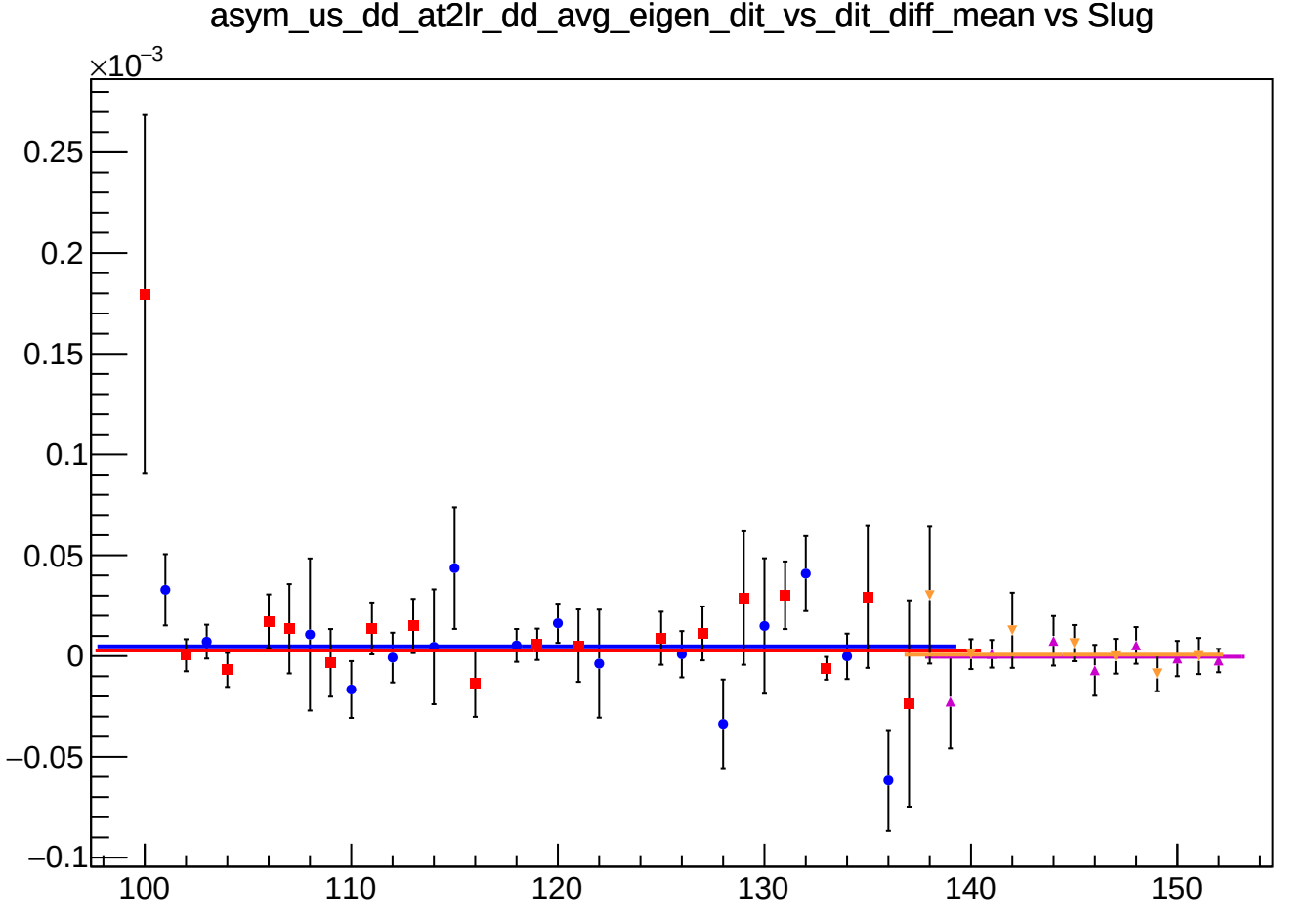
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 69.418+/-0.022 χ^2/NDF:385289.5/6

+ sign 72.999+/-0.017 χ^2/NDF: 2978160.5/22

All: 70.923+/-0.011 χ^2/NDF: 6725446.1/47

- sign 69.082+/-0.016 χ^2/NDF: 3717529.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/6

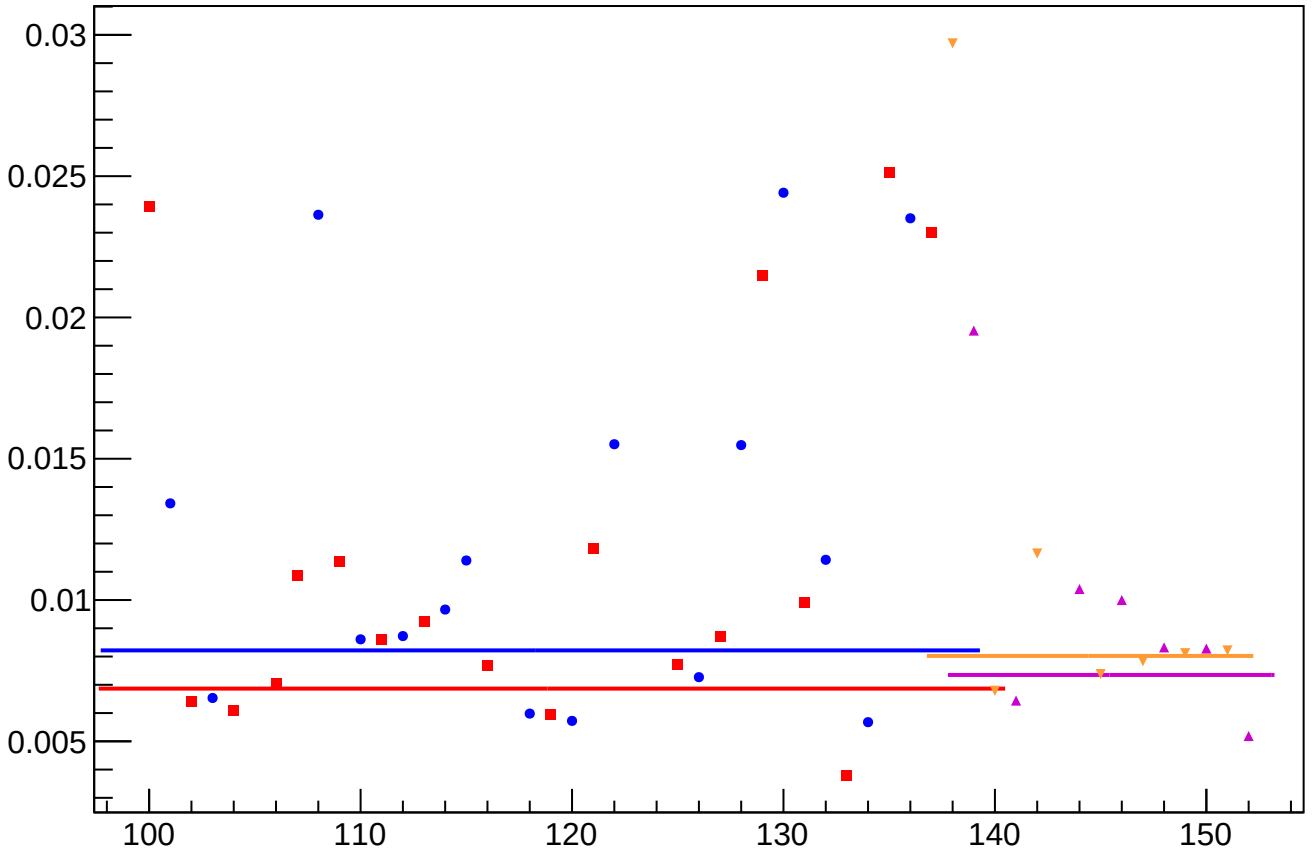
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:2.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 25.9/22

All: 0.000+/-0.000 χ^2/NDF: 45.6/47

- sign 0.000+/-0.000 χ^2/NDF: 19.4/24



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:959476.1/6

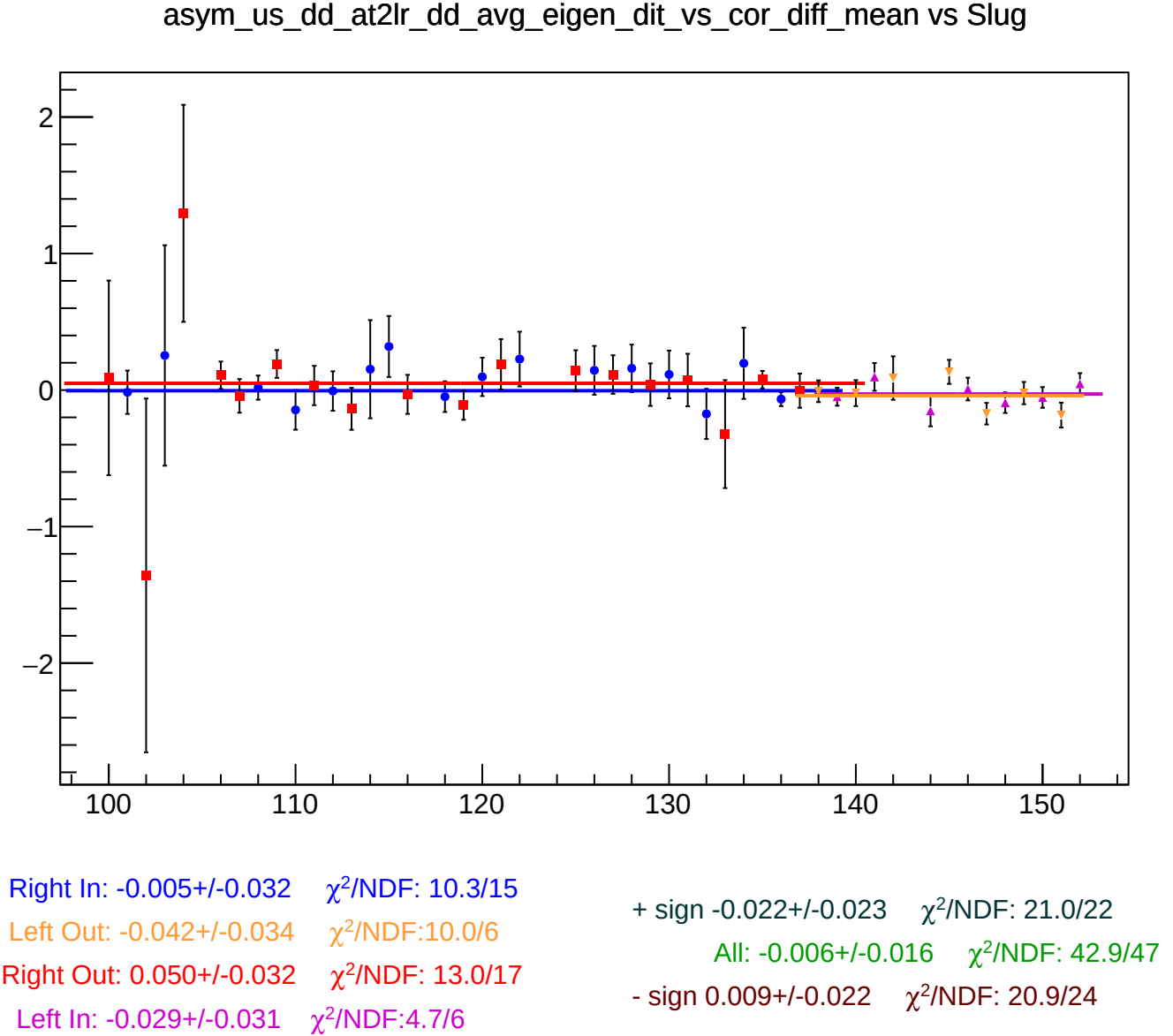
Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

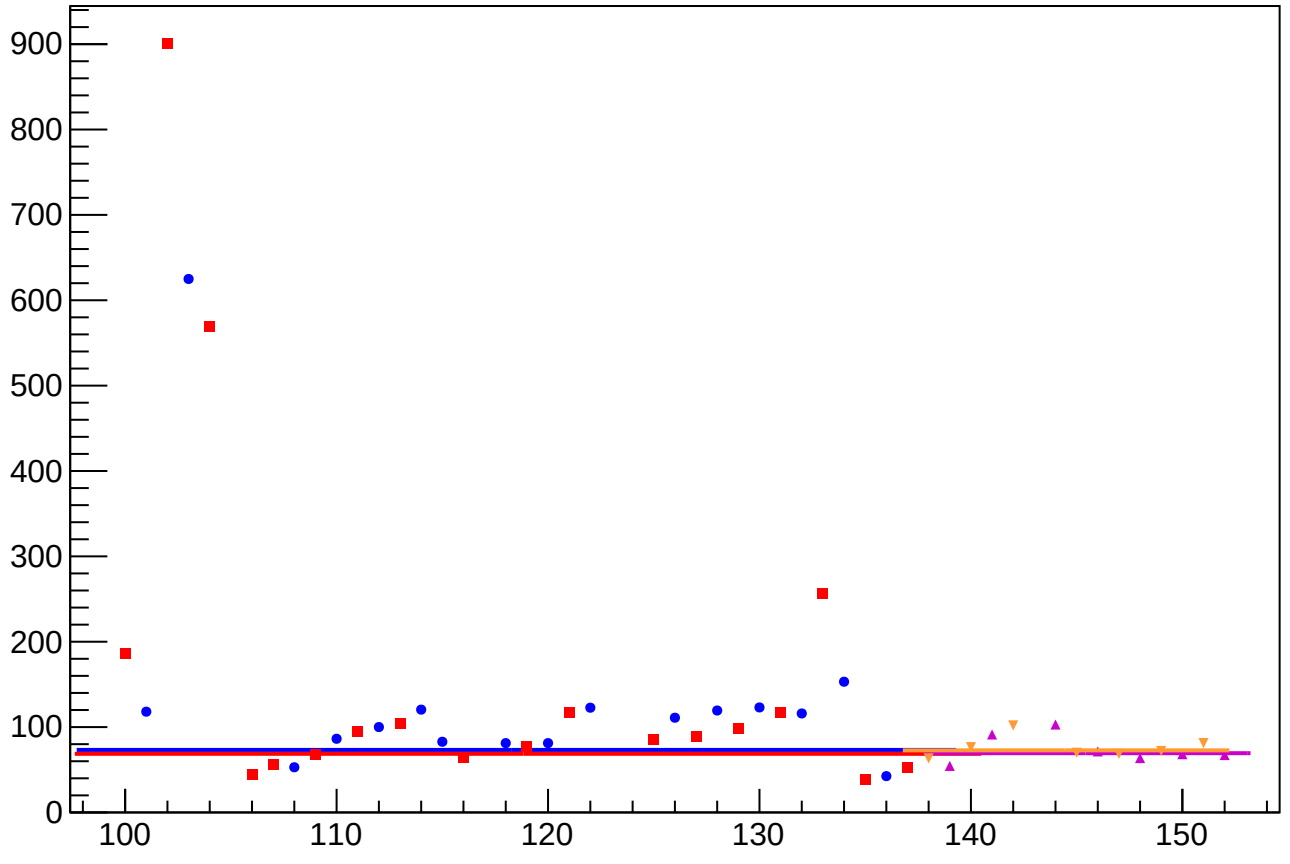
Left In: 0.007+/-0.000 χ^2/NDF:1118719.0/6

+ sign 0.008+/-0.000 χ^2/NDF: 3618620.1/22

All: 0.008+/-0.000 χ^2/NDF: 7389209.0/47

- sign 0.007+/-0.000 χ^2/NDF: 3569680.8/24


asym_us_dd_at2lr_dd_avg_eigen_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: -0.042+/-0.034 χ²/NDF:10.0/6
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.029+/-0.031 χ²/NDF:4.7/6
+ sign -0.022+/-0.023 χ²/NDF: 21.0/22
All: -0.006+/-0.016 χ²/NDF: 42.9/47
- sign 0.009+/-0.022 χ²/NDF: 20.9/24



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 72.739+/-0.024 χ^2/NDF:123333.7/6

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

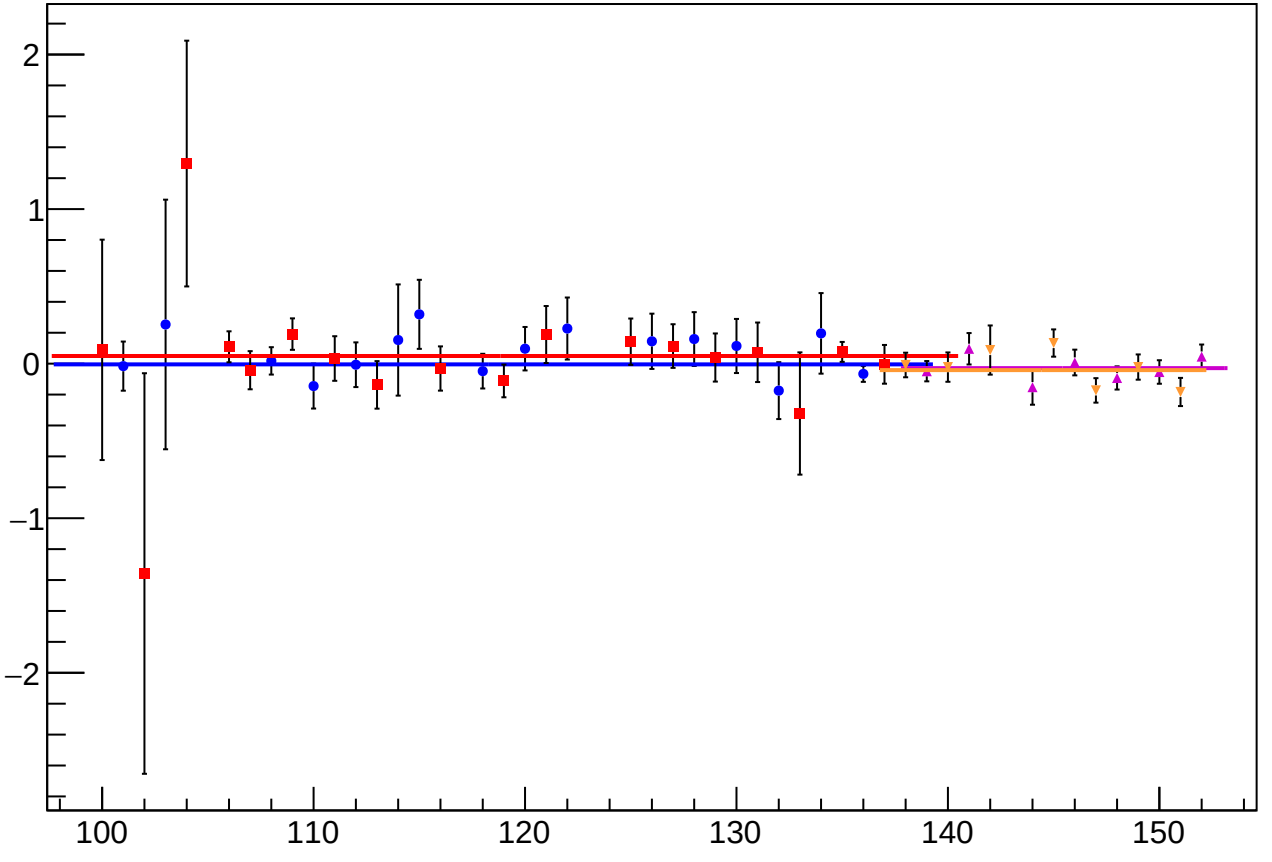
Left In: 69.420+/-0.022 χ^2/NDF:385080.6/6

+ sign 73.013+/-0.017 χ^2/NDF: 2975887.9/22

All: 70.927+/-0.011 χ^2/NDF: 6724253.0/47

- sign 69.078+/-0.016 χ^2/NDF: 3718340.7/24

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.042+/-0.034 χ^2/NDF:10.0/6

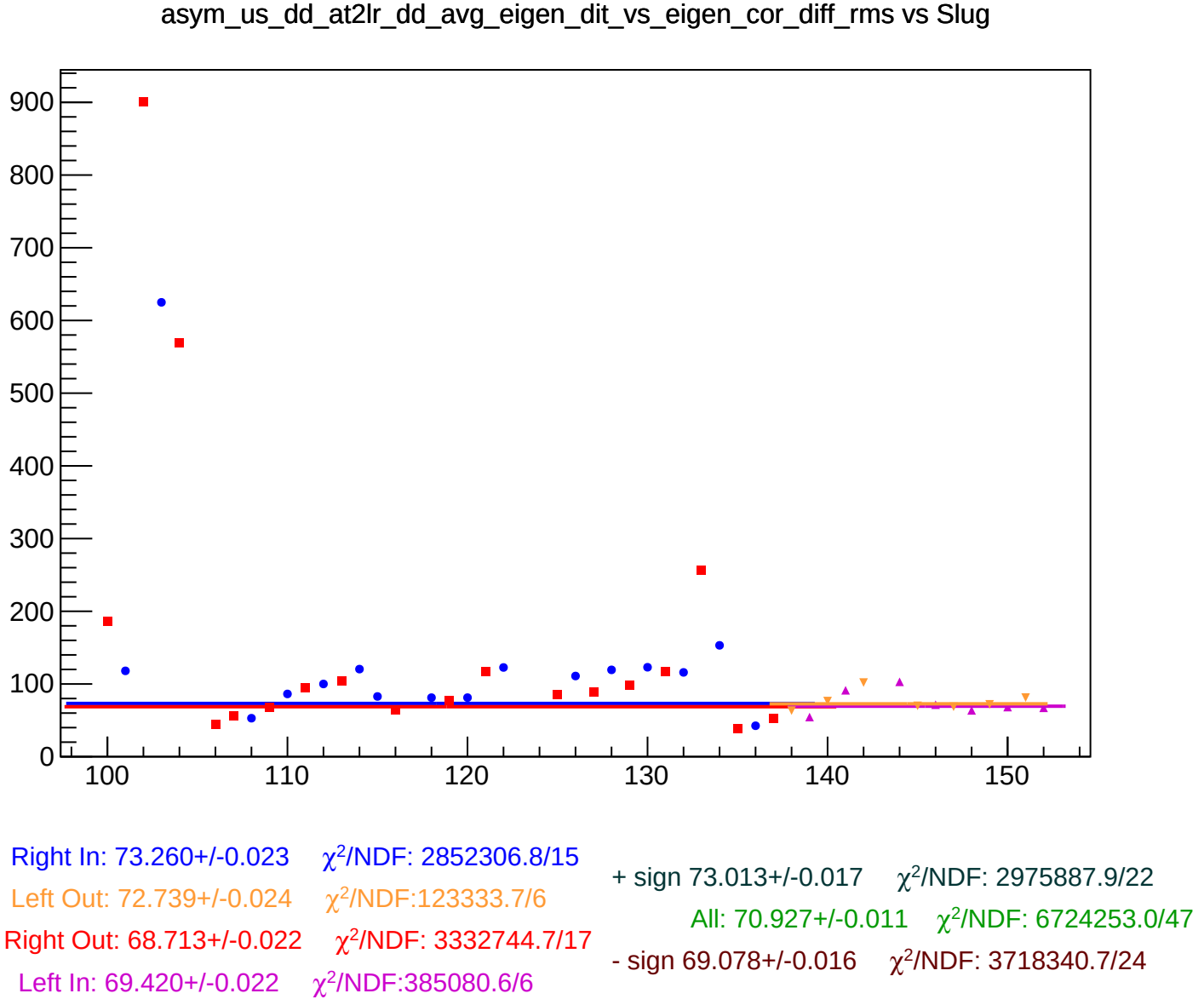
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

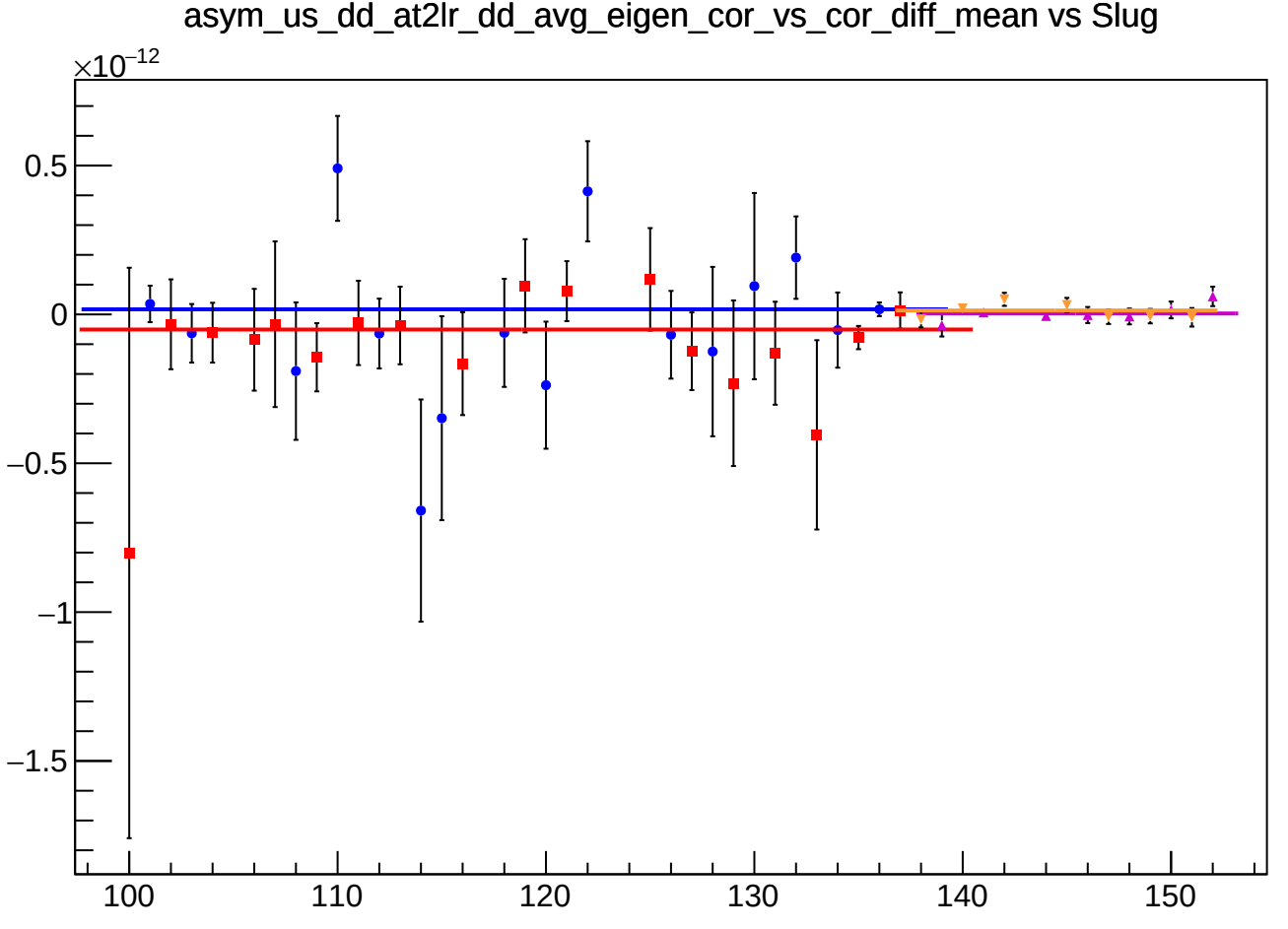
Left In: -0.029+/-0.031 χ^2/NDF:4.7/6

+ sign -0.022+/-0.023 χ^2/NDF: 21.0/22

All: -0.006+/-0.016 χ^2/NDF: 42.9/47

- sign 0.009+/-0.022 χ^2/NDF: 20.9/24


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 72.739+/-0.024 χ²/NDF:123333.7/6
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 69.420+/-0.022 χ²/NDF:385080.6/6
+ sign 73.013+/-0.017 χ²/NDF: 2975887.9/22
All: 70.927+/-0.011 χ²/NDF: 6724253.0/47
- sign 69.078+/-0.016 χ²/NDF: 3718340.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/6

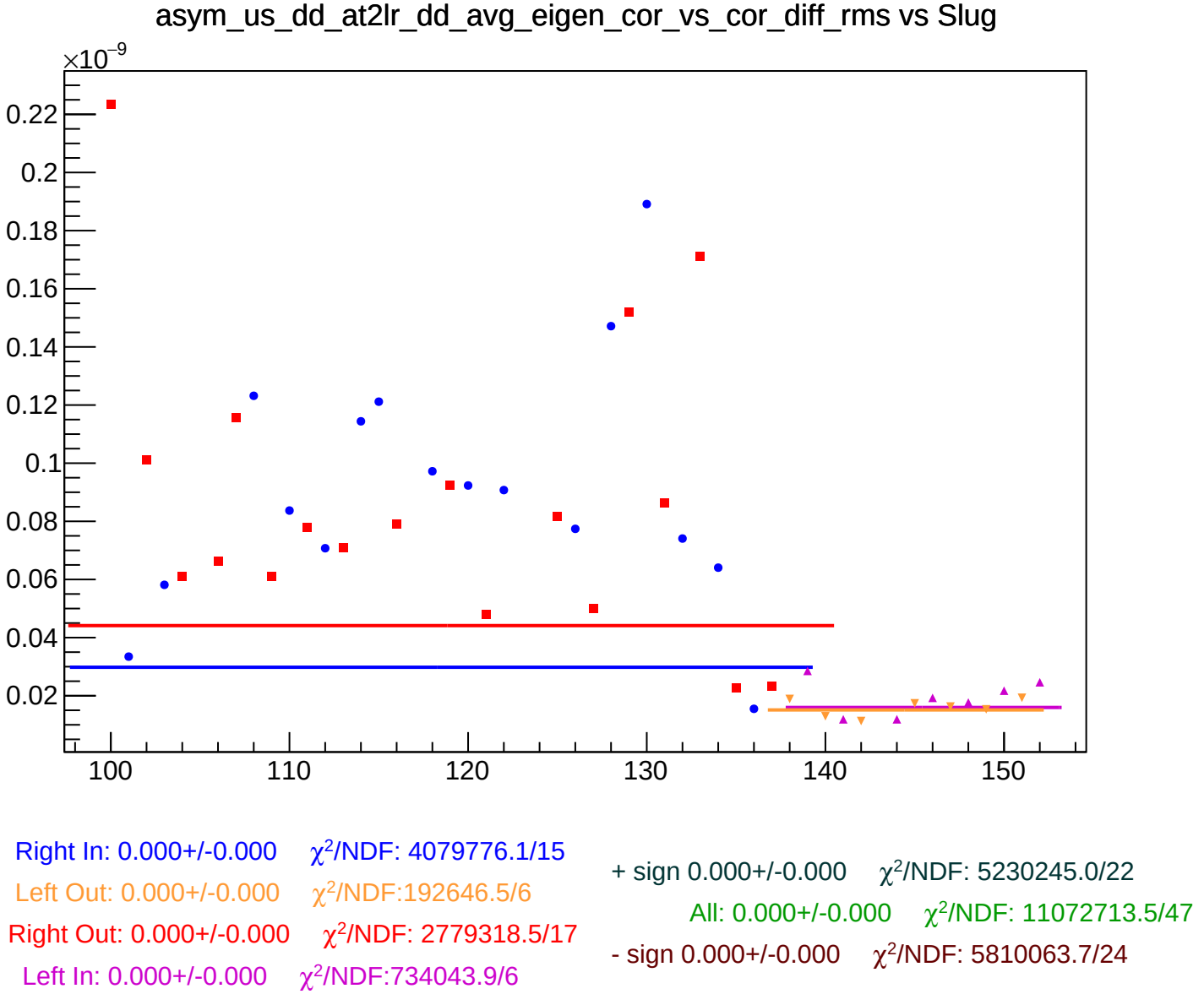
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:4.8/6

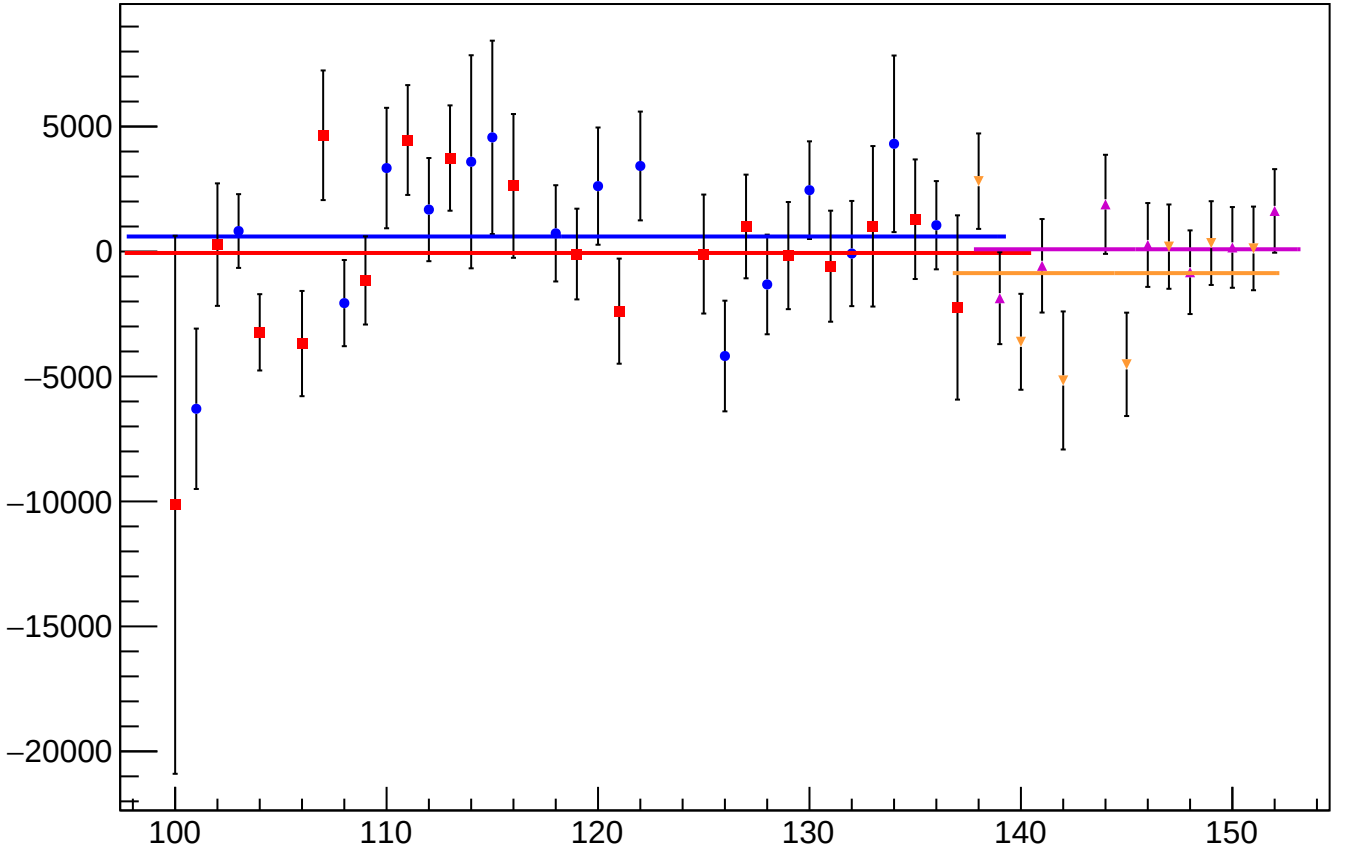
+ sign 0.000+/-0.000 χ^2/NDF: 30.1/22

All: 0.000+/-0.000 χ^2/NDF: 50.4/47

- sign -0.000+/-0.000 χ^2/NDF: 18.1/24


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:192646.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:734043.9/6
+ sign 0.000+/-0.000 χ²/NDF: 5230245.0/22
All: 0.000+/-0.000 χ²/NDF: 11072713.5/47
- sign 0.000+/-0.000 χ²/NDF: 5810063.7/24

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -864.992+/-711.494 χ^2/NDF:12.6/6

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

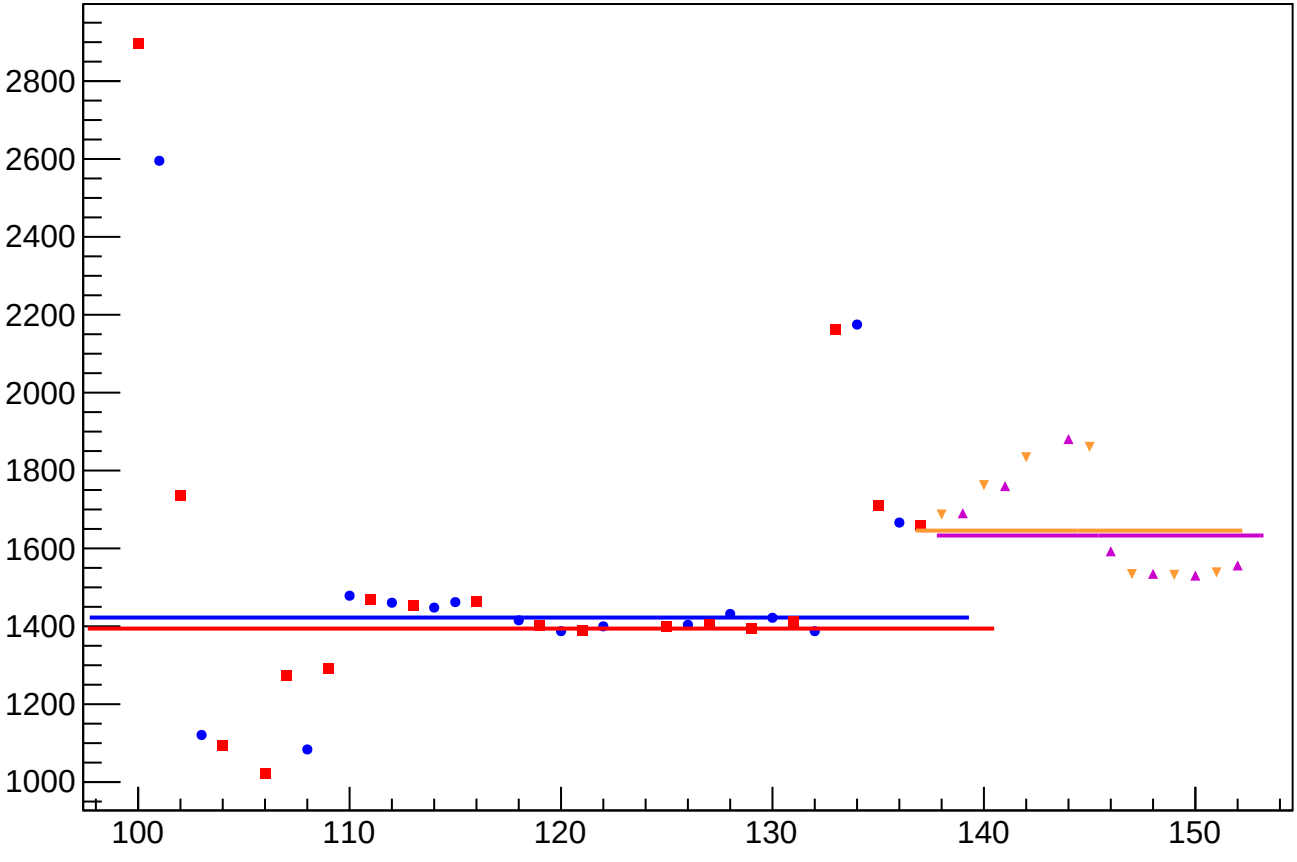
Left In: 89.319+/-660.916 χ^2/NDF:3.2/6

+ sign 64.580+/-430.169 χ^2/NDF: 35.6/22

All: 30.512+/-298.134 χ^2/NDF: 61.4/47

- sign -0.978+/-413.571 χ^2/NDF: 25.8/24

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1645.683+/-0.503 χ^2/NDF:65441.4/6

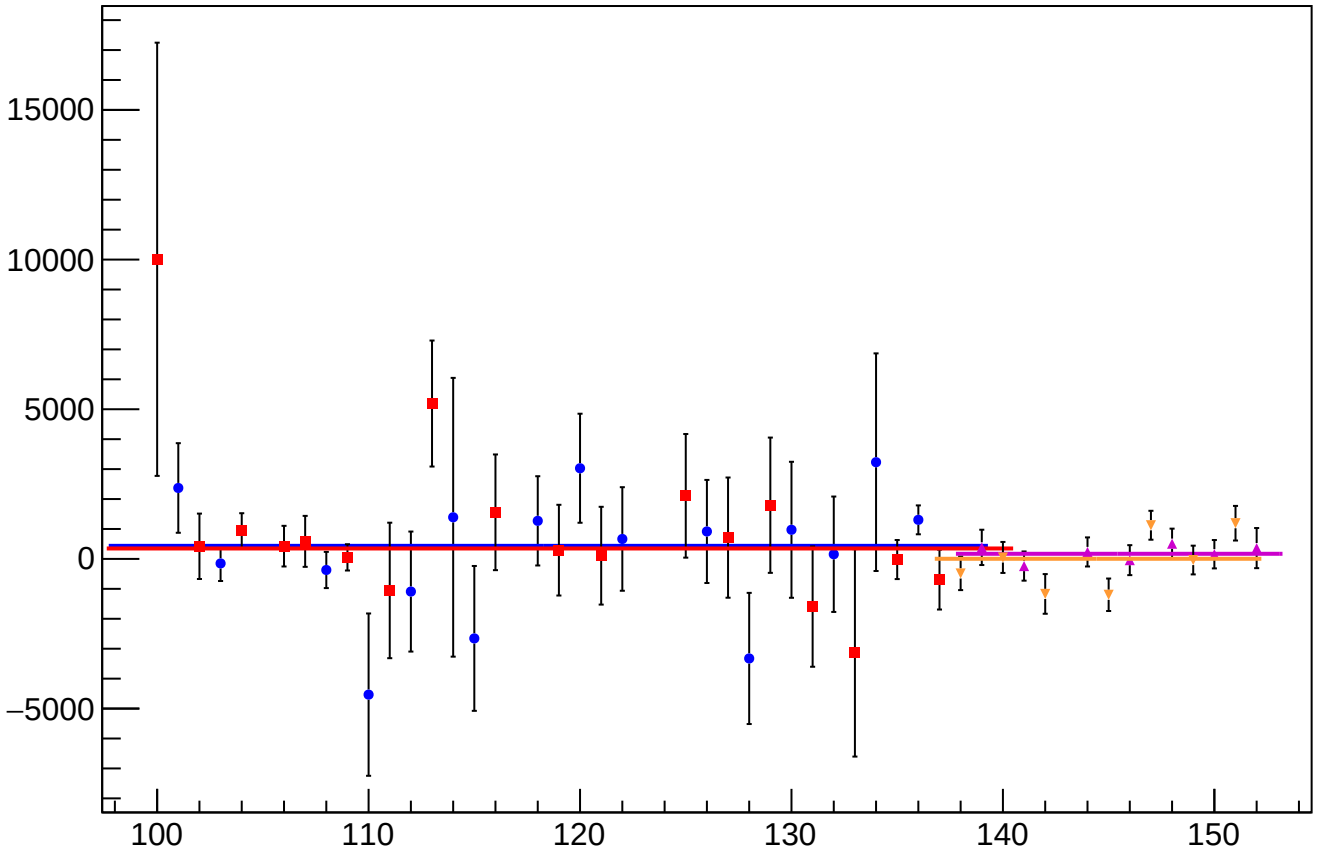
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1633.116+/-0.467 χ^2/NDF:62788.7/6

+ sign 1504.092+/-0.304 χ^2/NDF: 750541.9/22

All: 1495.591+/-0.211 χ^2/NDF: 1367554.2/47

- sign 1487.734+/-0.292 χ^2/NDF: 615509.4/24



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 4.325+/-203.044 χ^2/NDF:18.4/6

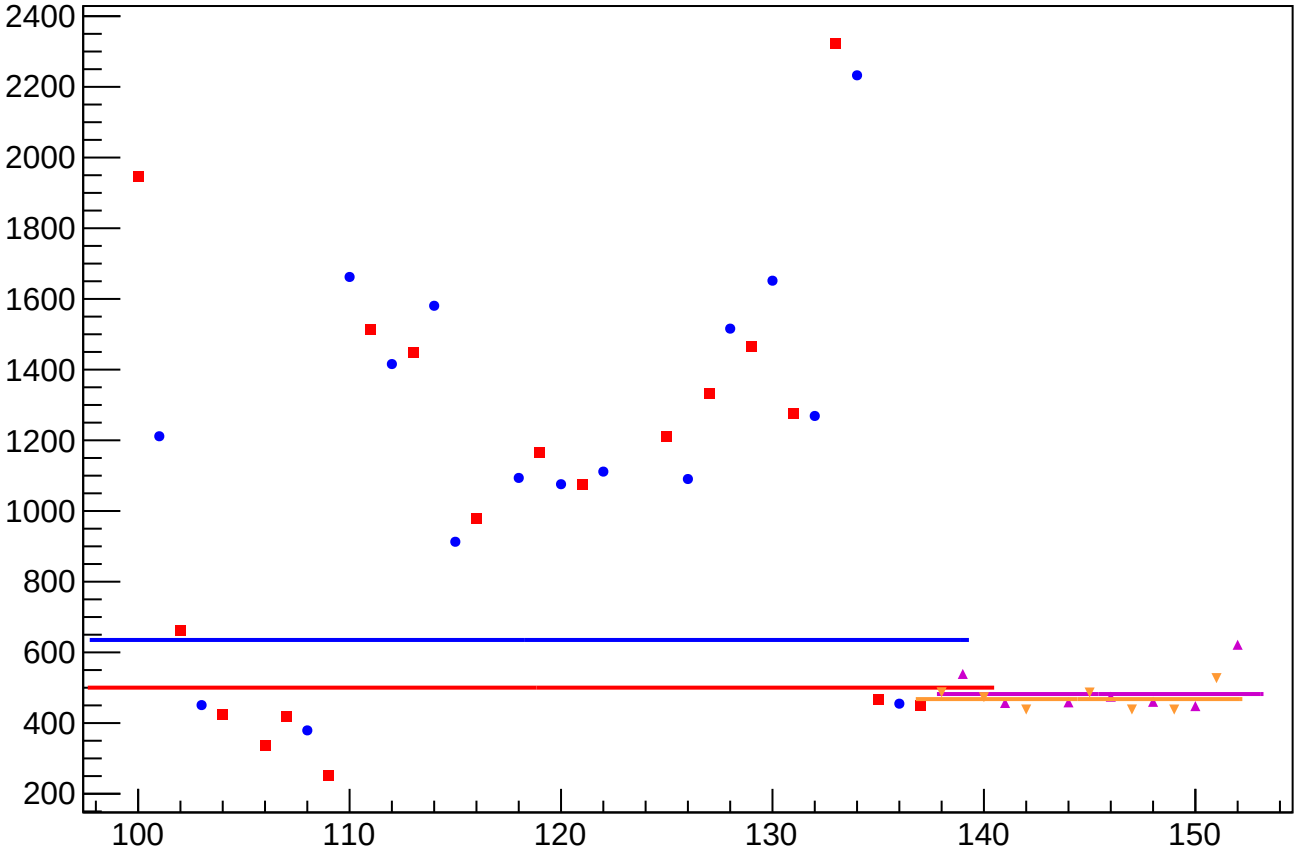
Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: 171.167+/-196.326 χ^2/NDF:1.6/6

+ sign 156.149+/-163.536 χ^2/NDF: 39.4/22

All: 204.060+/-110.676 χ^2/NDF: 55.4/47

- sign 244.548+/-150.334 χ^2/NDF: 15.8/24



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 467.846+/-0.144 χ^2/NDF:44943.2/6

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

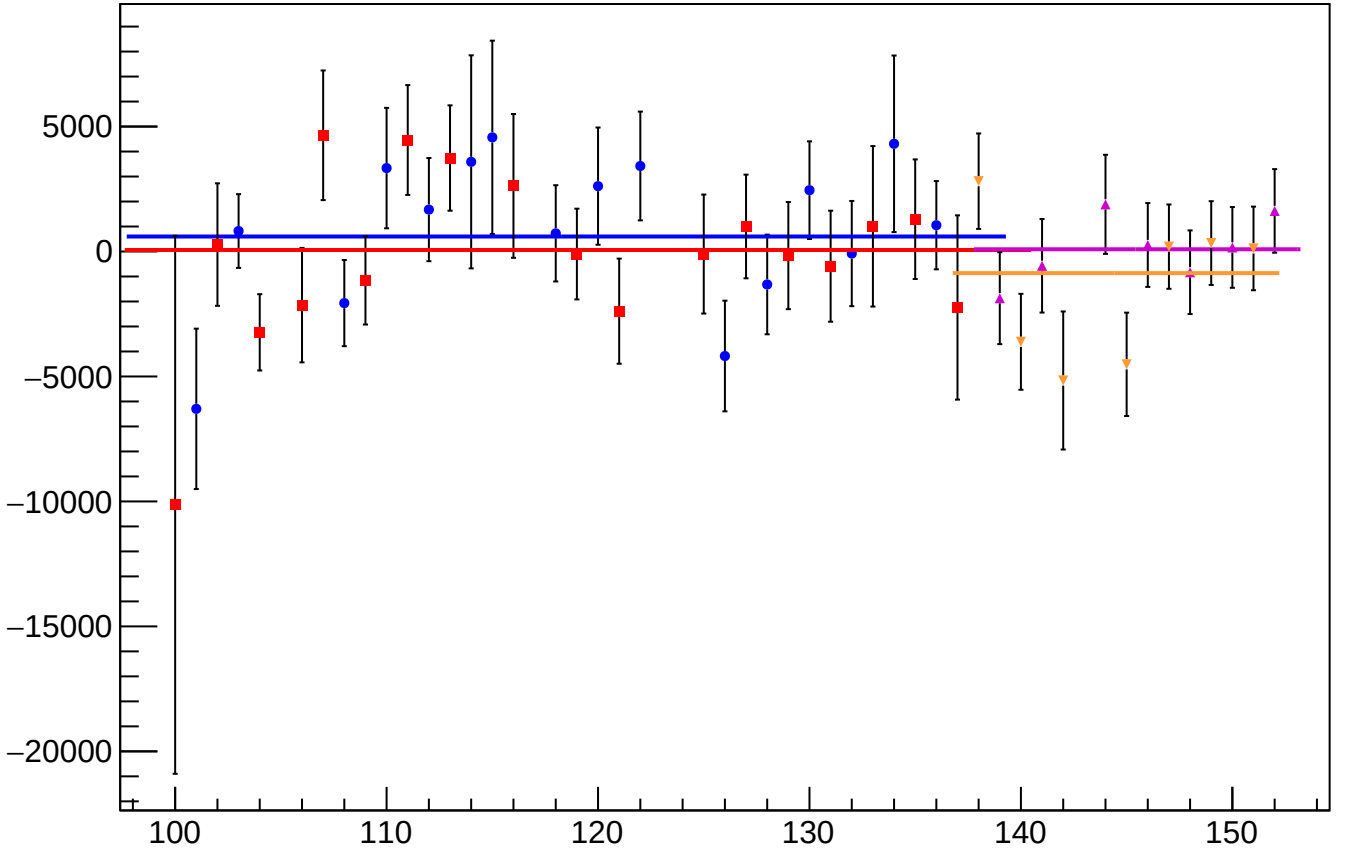
Left In: 482.166+/-0.139 χ^2/NDF:129912.2/6

+ sign 526.614+/-0.116 χ^2/NDF: 4274456.5/22

All: 506.574+/-0.078 χ^2/NDF: 8775879.7/47

- sign 489.639+/-0.106 χ^2/NDF: 4446010.1/24

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -865.083+/-711.494 χ^2/NDF:12.6/6

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

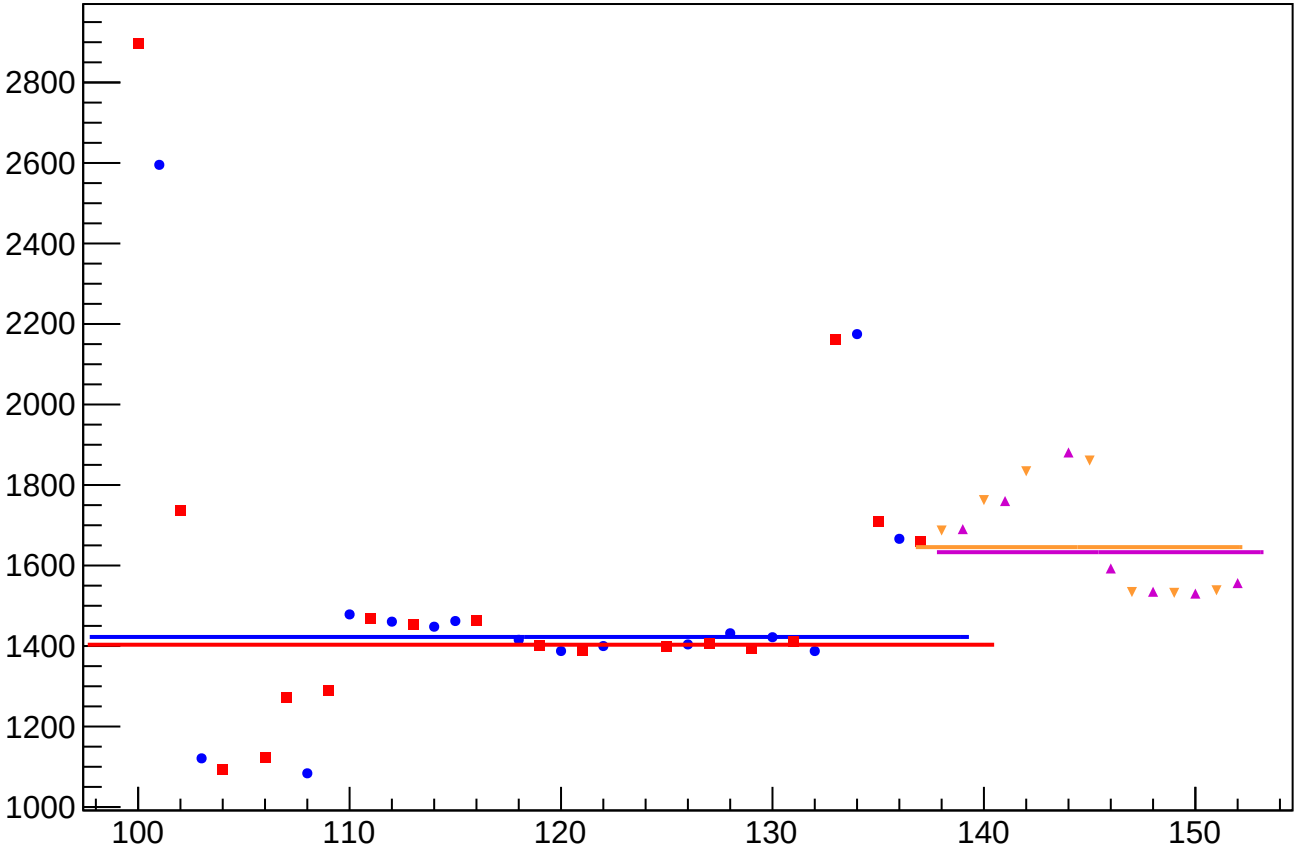
Left In: 89.380+/-660.916 χ^2/NDF:3.2/6

\+ sign 64.466+/-430.169 χ^2/NDF: 35.6/22

All: 68.262+/-298.598 χ^2/NDF: 59.2/47

\- sign 71.792+/-414.811 χ^2/NDF: 23.6/24

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1645.683+/-0.503 χ^2/NDF:65441.4/6

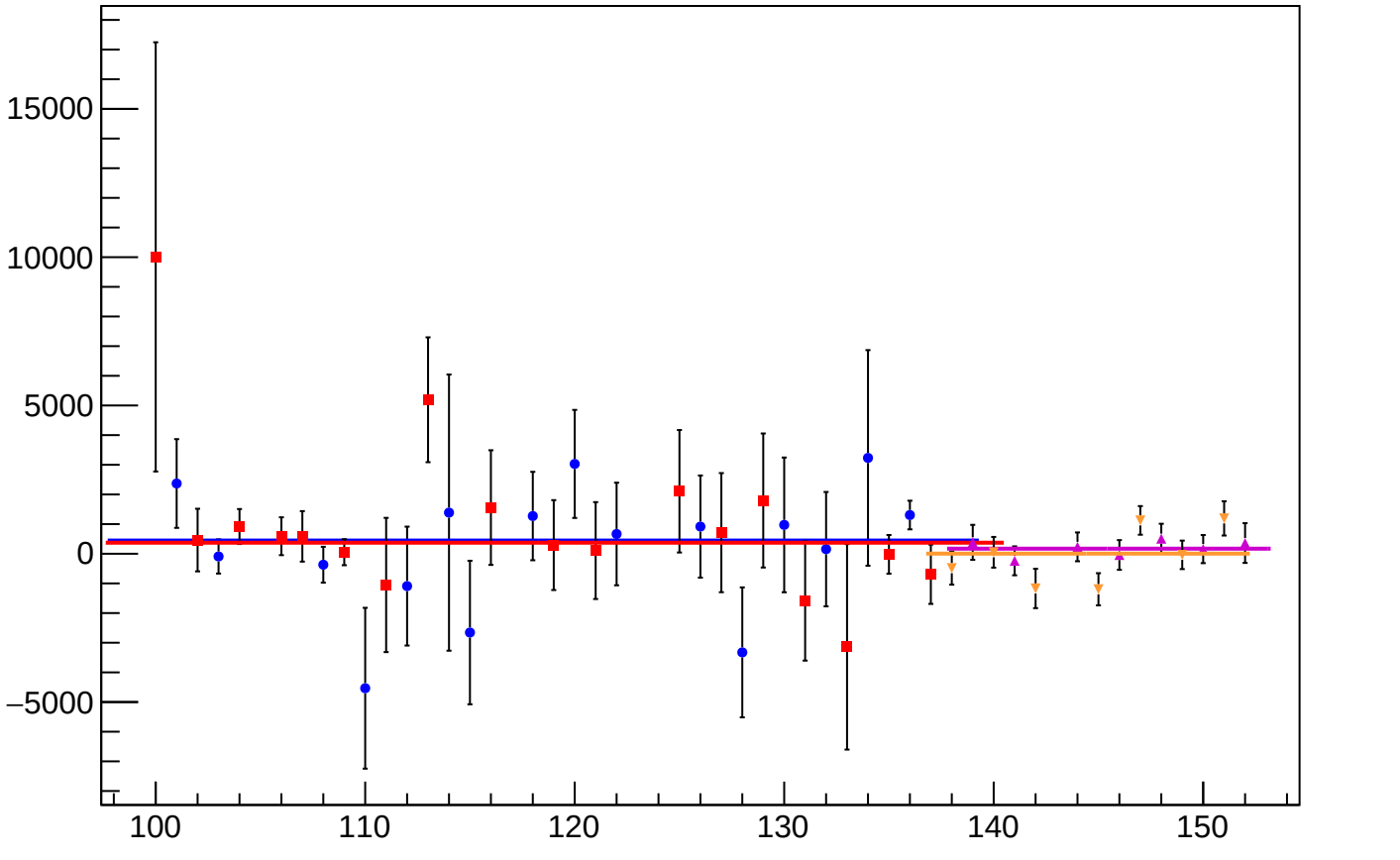
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1633.116+/-0.467 χ^2/NDF:62788.7/6

+ sign 1504.092+/-0.304 χ^2/NDF: 750542.3/22

All: 1498.749+/-0.211 χ^2/NDF: 1319706.8/47

- sign 1493.780+/-0.293 χ^2/NDF: 568569.0/24



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 4.330+/-203.048 χ^2/NDF:18.4/6

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

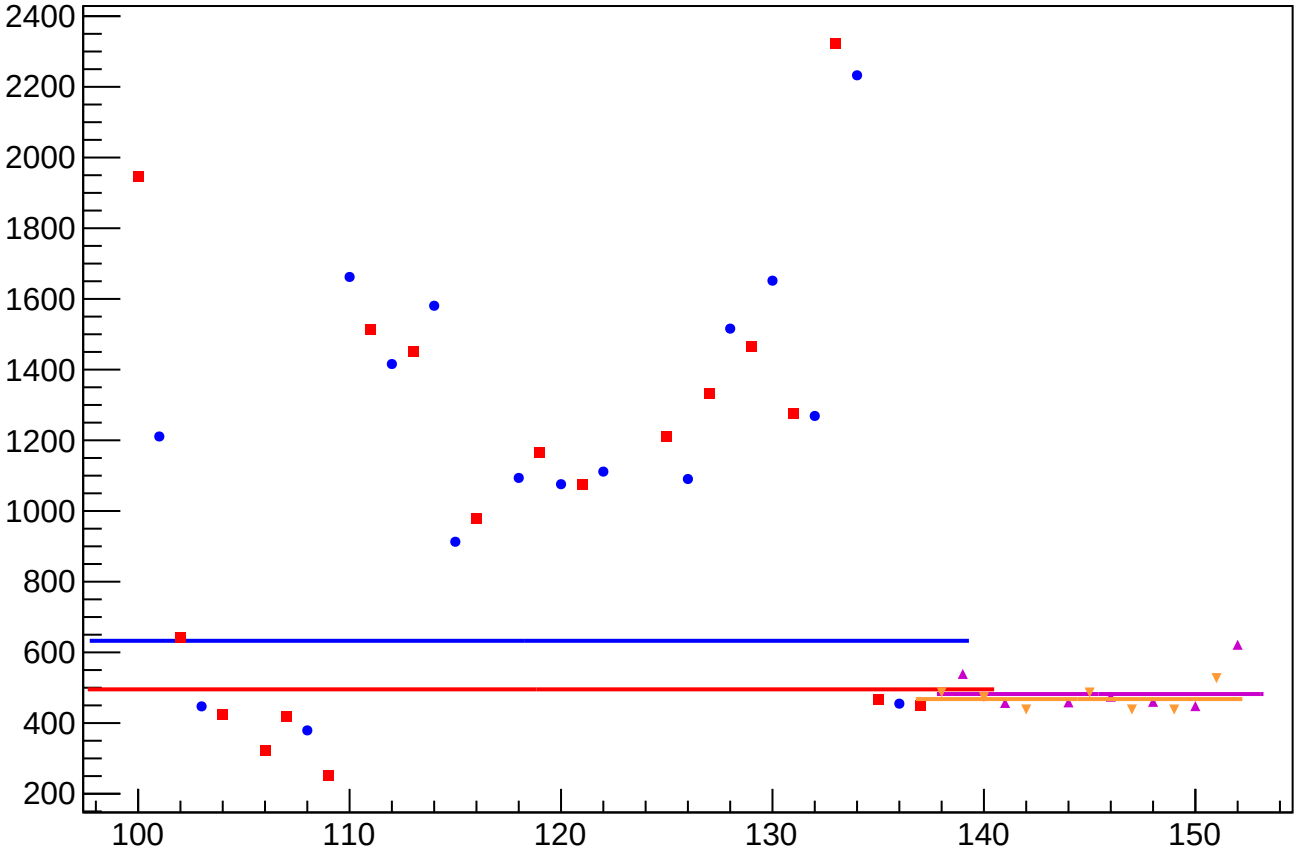
Left In: 171.272+/-196.323 χ^2/NDF:1.6/6

+ sign 160.044+/-163.292 χ^2/NDF: 39.3/22

All: 211.929+/-110.343 χ^2/NDF: 55.5/47

- sign 255.530+/-149.691 χ^2/NDF: 16.0/24

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: 467.857+/-0.144 χ^2/NDF:44919.0/6

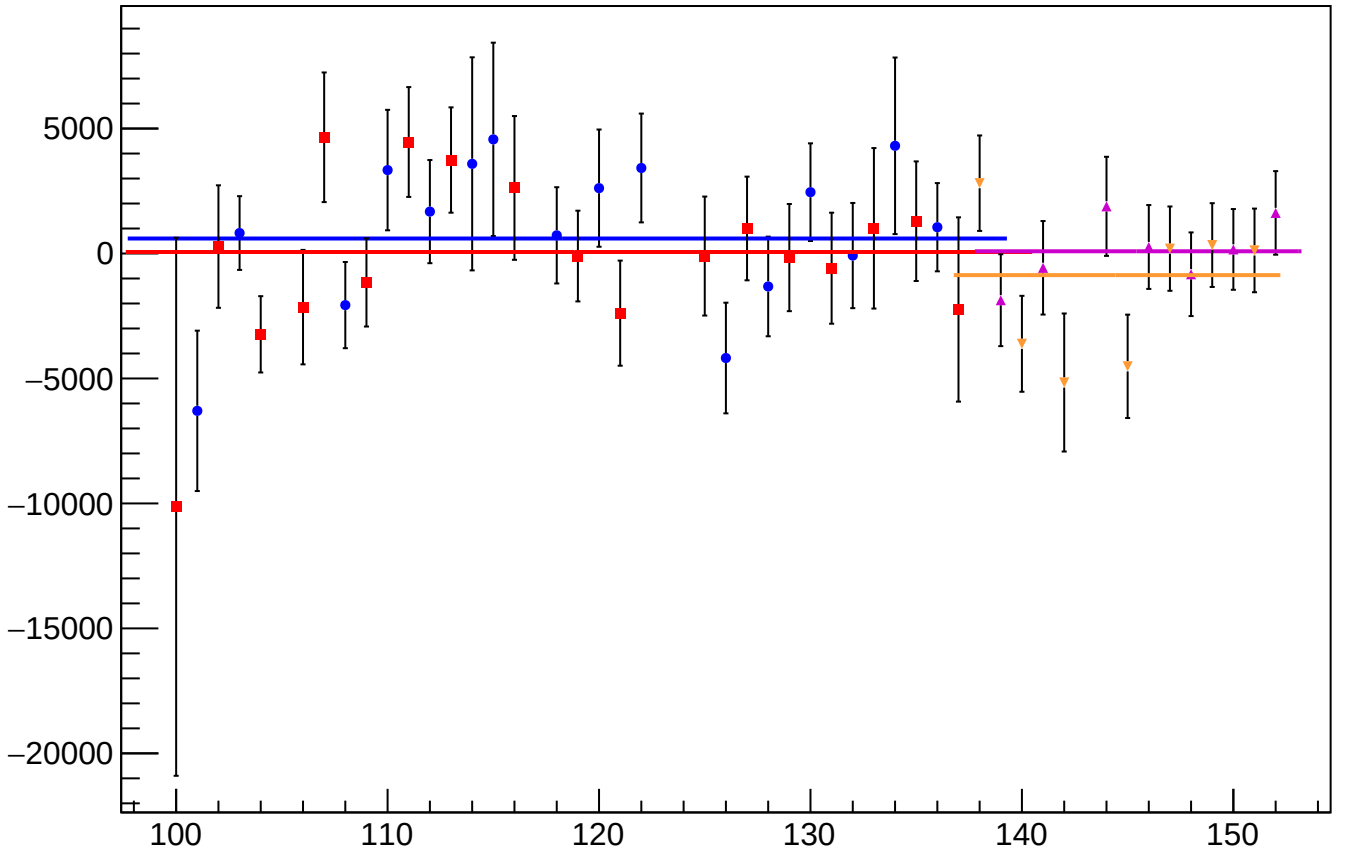
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 482.158+/-0.139 χ^2/NDF:129907.1/6

+ sign 526.108+/-0.115 χ^2/NDF: 4278604.8/22

All: 505.235+/-0.078 χ^2/NDF: 8809938.6/47

- sign 487.693+/-0.106 χ^2/NDF: 4471189.4/24



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -865.083+/-711.494 χ^2/NDF:12.6/6

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

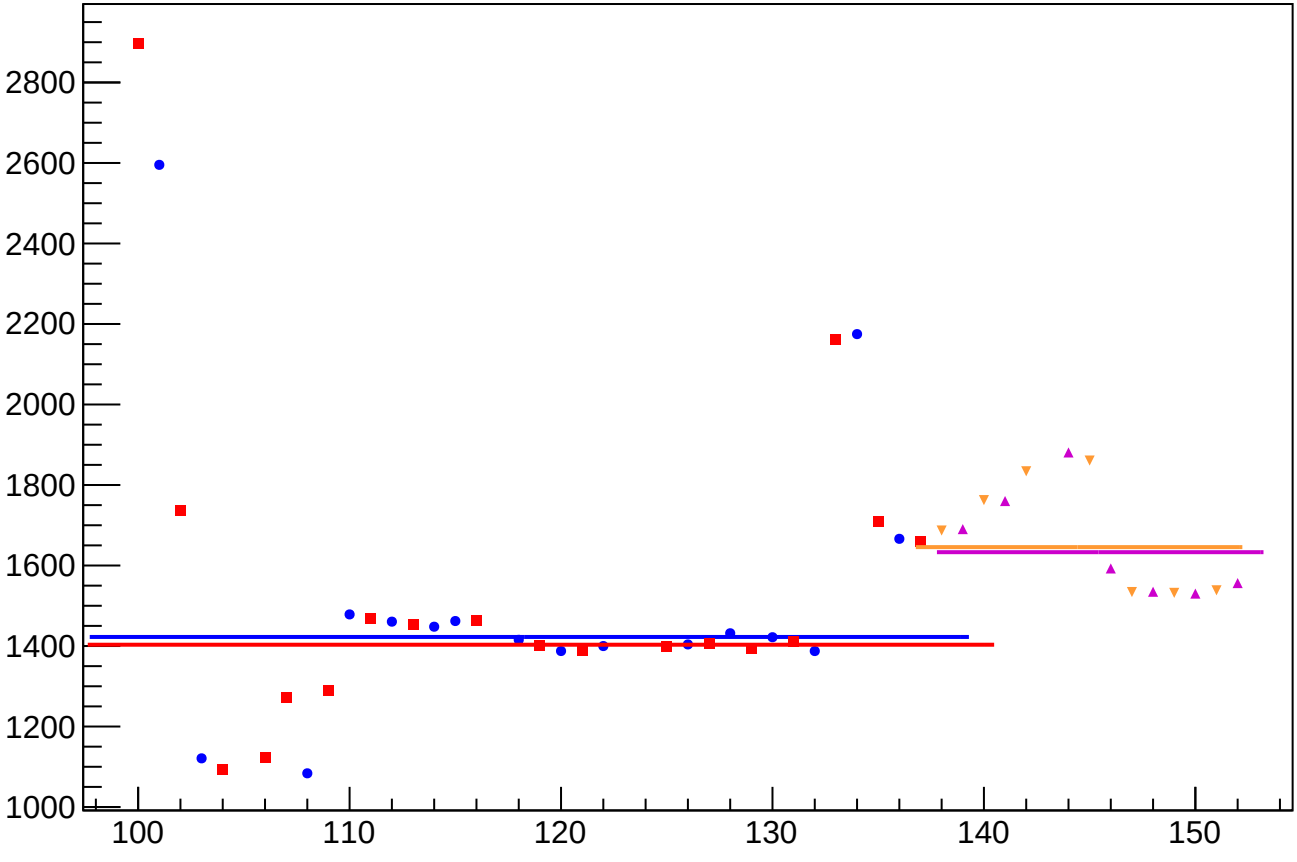
Left In: 89.380+/-660.916 χ^2/NDF:3.2/6

+ sign 64.466+/-430.169 χ^2/NDF: 35.6/22

All: 68.262+/-298.598 χ^2/NDF: 59.2/47

- sign 71.792+/-414.811 χ^2/NDF: 23.6/24

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: 1645.683+/-0.503 χ^2/NDF:65441.4/6

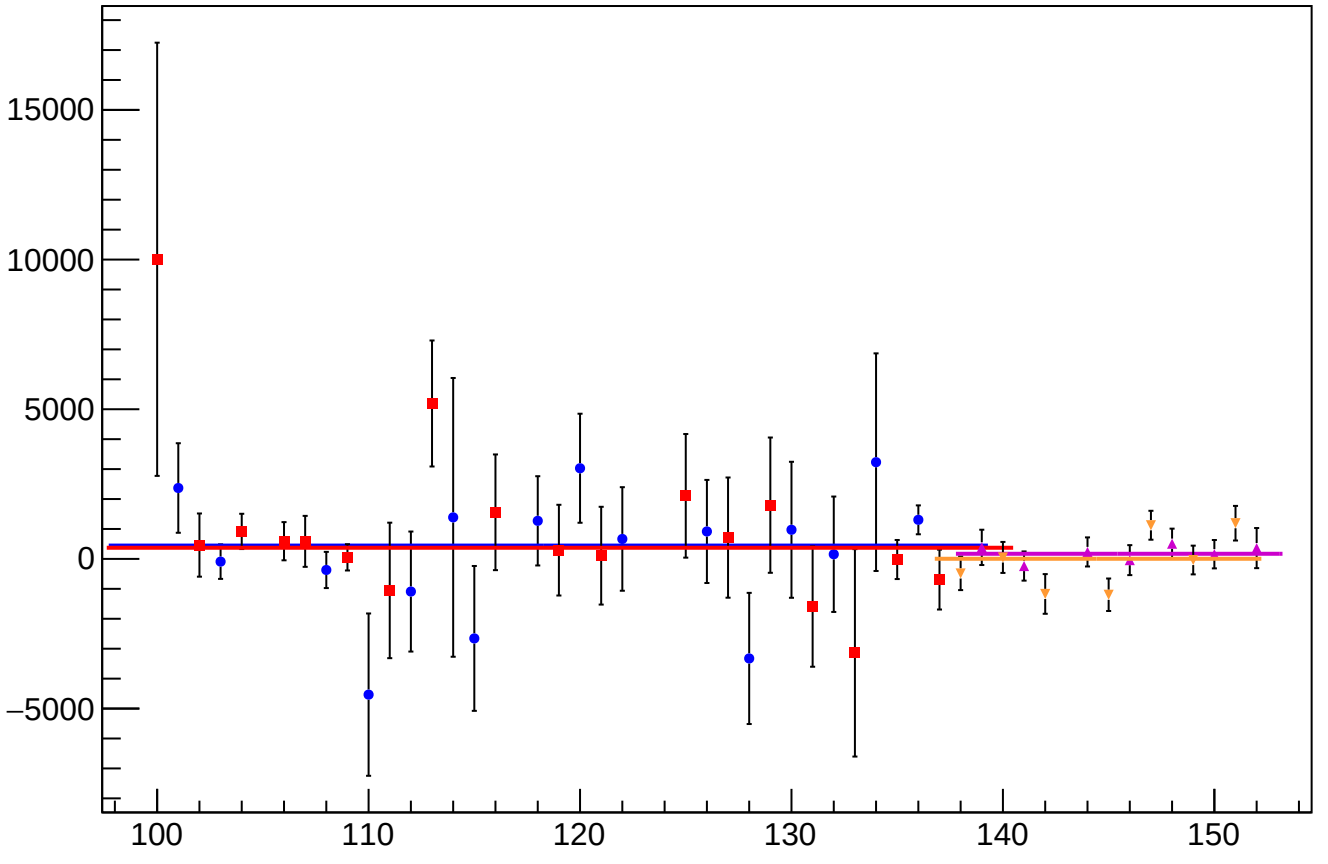
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1633.116+/-0.467 χ^2/NDF:62788.7/6

+ sign 1504.092+/-0.304 χ^2/NDF: 750542.3/22

All: 1498.749+/-0.211 χ^2/NDF: 1319706.8/47

- sign 1493.780+/-0.293 χ^2/NDF: 568569.0/24



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 4.330+/-203.048 χ^2/NDF:18.4/6

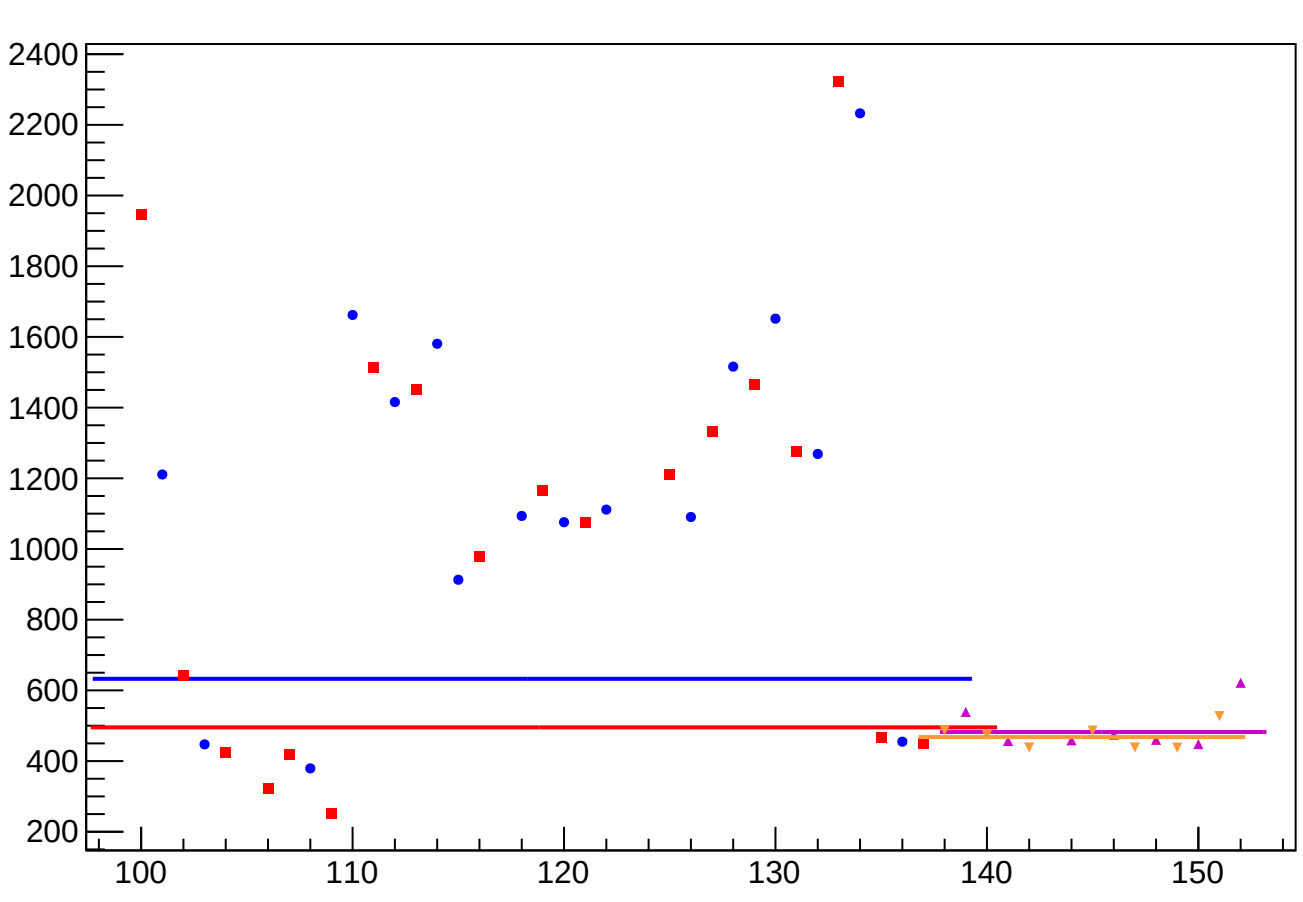
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 171.272+/-196.323 χ^2/NDF:1.6/6

+ sign 160.044+/-163.292 χ^2/NDF: 39.3/22

All: 211.929+/-110.343 χ^2/NDF: 55.5/47

- sign 255.530+/-149.691 χ^2/NDF: 16.0/24



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 467.857+/-0.144 χ^2/NDF:44919.0/6

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

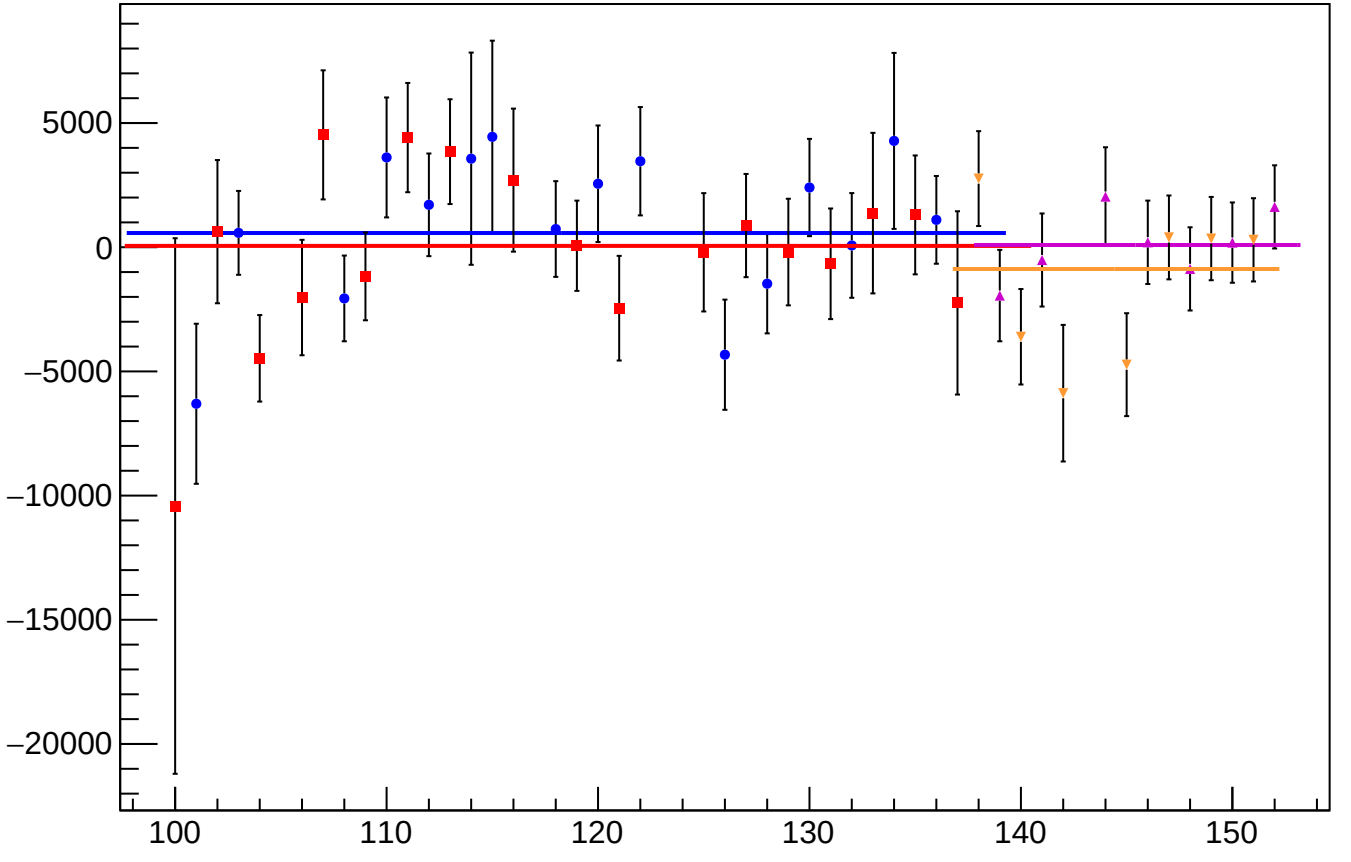
Left In: 482.158+/-0.139 χ^2/NDF:129907.1/6

+ sign 526.108+/-0.115 χ^2/NDF: 4278604.8/22

All: 505.235+/-0.078 χ^2/NDF: 8809938.6/47

- sign 487.693+/-0.106 χ^2/NDF: 4471189.4/24

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -876.573+/-712.011 χ^2/NDF:14.0/6

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

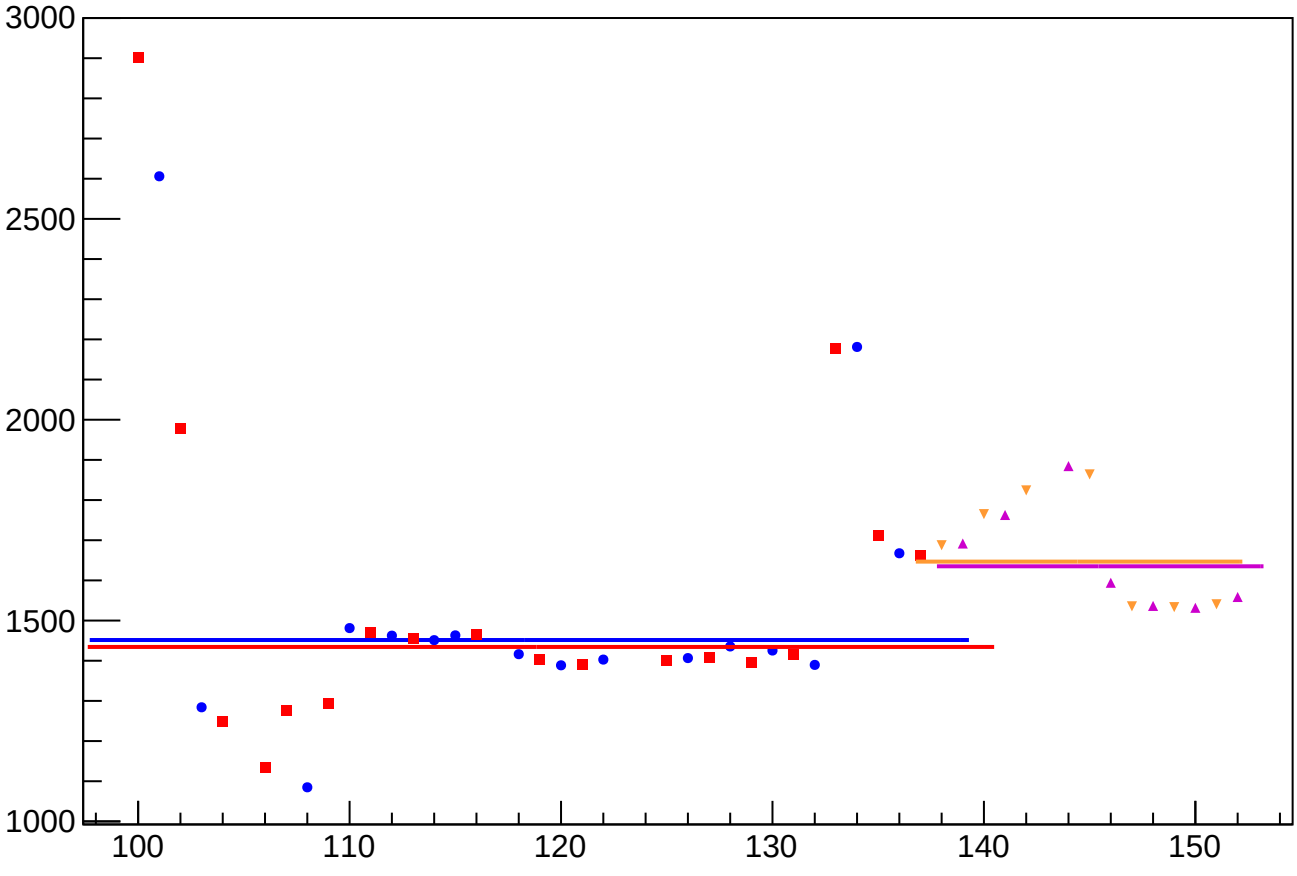
Left In: 89.676+/-661.738 χ^2/NDF:3.5/6

\+ sign 31.287+/-435.083 χ^2/NDF: 37.4/22

All: 50.400+/-302.493 χ^2/NDF: 63.4/47

\- sign 68.283+/-420.852 χ^2/NDF: 26.0/24

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1646.773+/-0.503 χ^2/NDF:64630.1/6

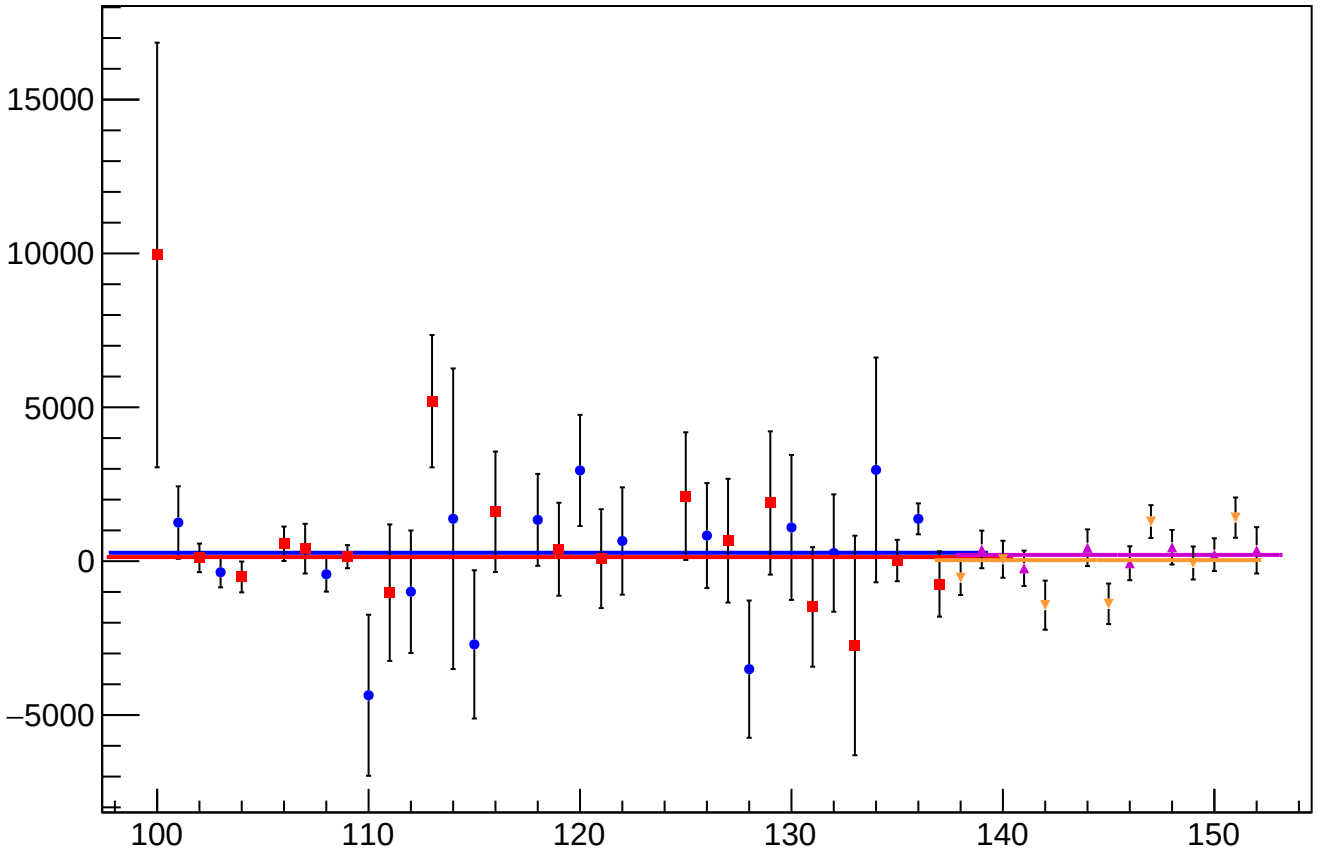
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1635.103+/-0.468 χ^2/NDF:63184.6/6

+ sign 1524.464+/-0.308 χ^2/NDF: 646652.1/22

All: 1519.849+/-0.214 χ^2/NDF: 1148513.5/47

- sign 1515.531+/-0.298 χ^2/NDF: 501425.9/24



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 33.934+/-228.399 χ^2/NDF:19.1/6

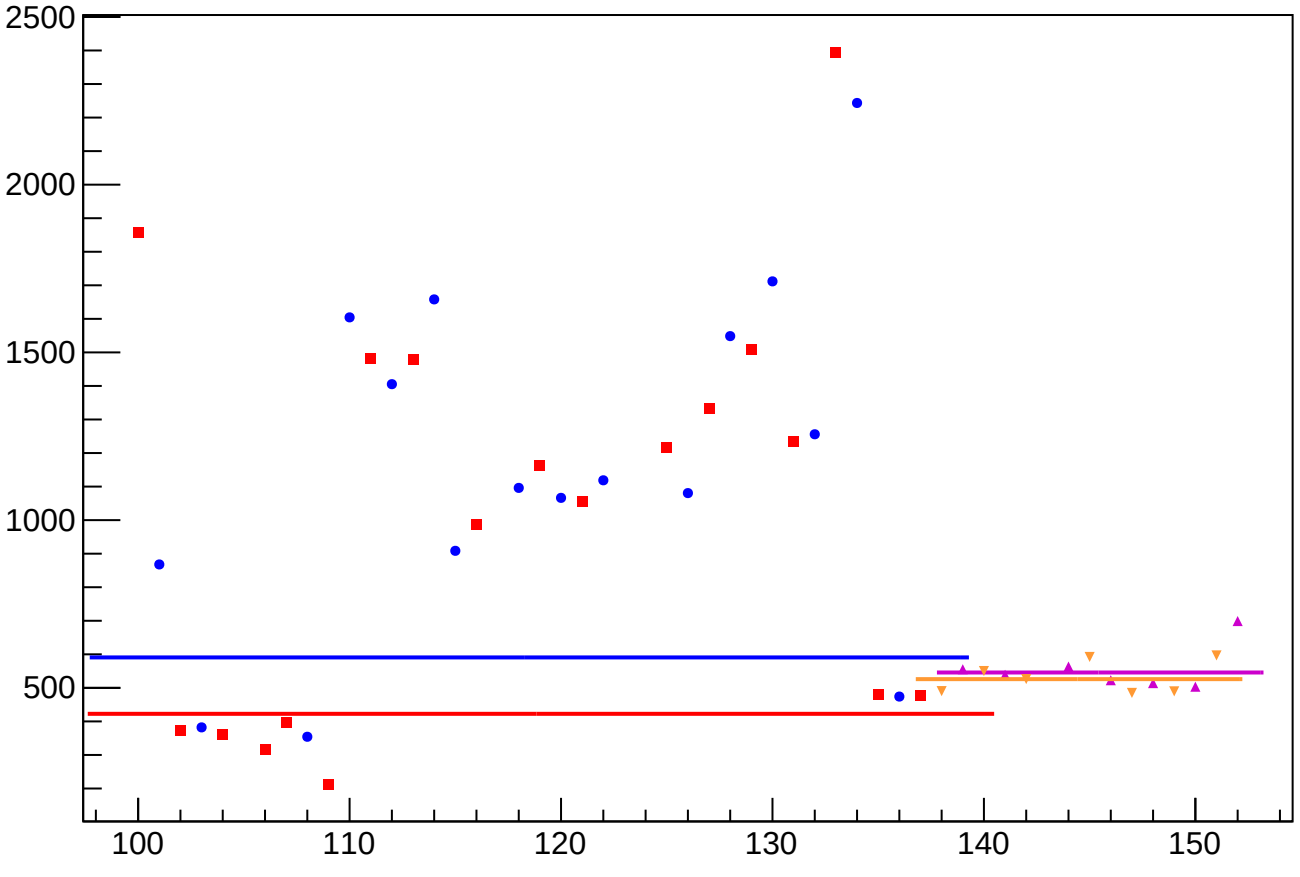
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 204.092+/-222.074 χ^2/NDF:1.3/6

\+ sign 138.012+/-171.747 χ^2/NDF: 39.8/22

All: 152.947+/-111.645 χ^2/NDF: 55.6/47

\- sign 163.877+/-146.923 χ^2/NDF: 15.8/24



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 526.016+/-0.162 χ^2/NDF:76034.7/6

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

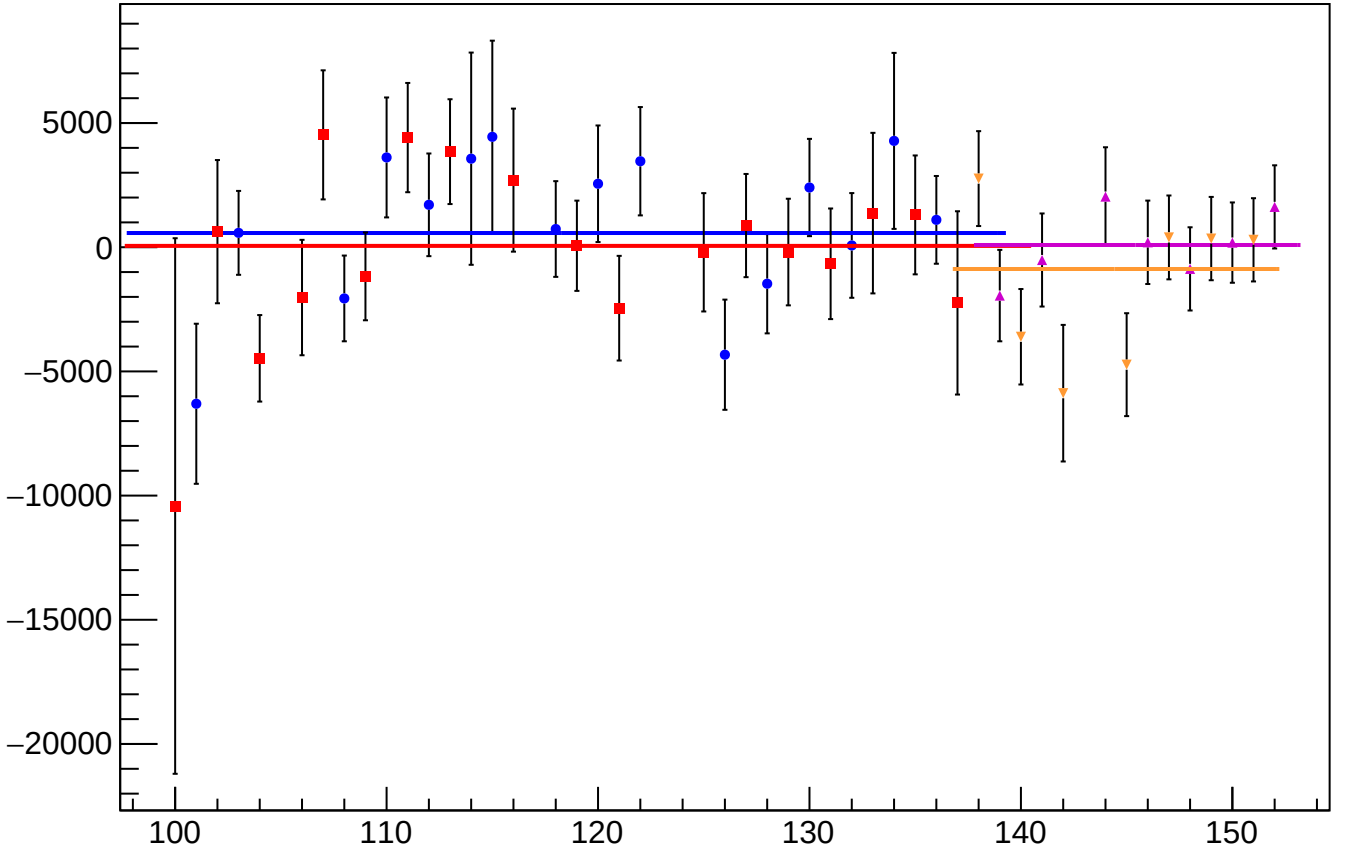
Left In: 545.824+/-0.157 χ^2/NDF:108007.2/6

\+ sign 554.146+/-0.121 χ^2/NDF: 4031350.3/22

All: 509.341+/-0.079 χ^2/NDF: 9579180.7/47

\- sign 476.552+/-0.104 χ^2/NDF: 5312108.5/24

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -876.580+/-712.011 χ^2/NDF:14.0/6

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

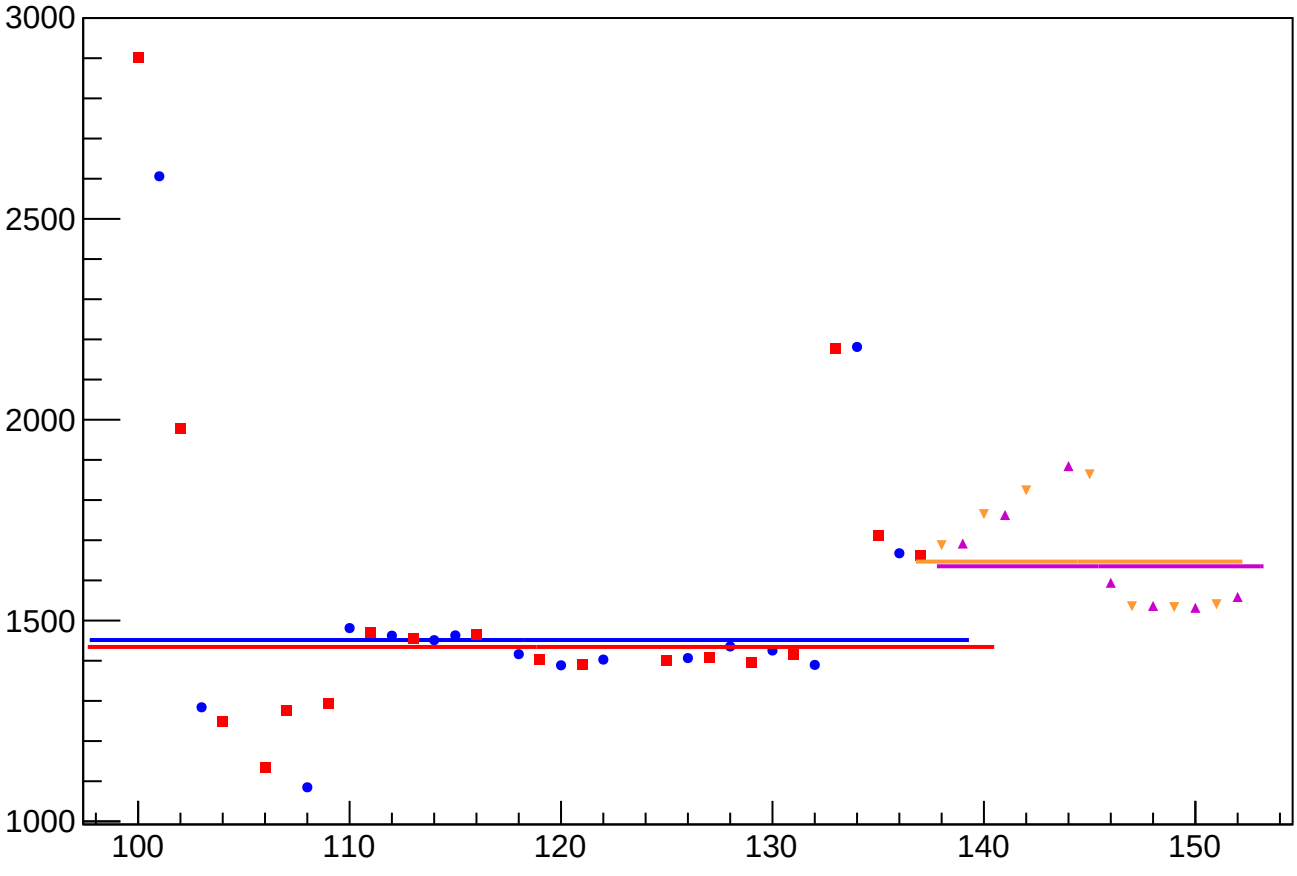
Left In: 89.682+/-661.738 χ^2/NDF:3.5/6

\+ sign 31.285+/-435.083 χ^2/NDF: 37.4/22

All: 50.400+/-302.493 χ^2/NDF: 63.4/47

\- sign 68.285+/-420.852 χ^2/NDF: 26.0/24

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: 1646.773+/-0.503 χ^2/NDF:64630.3/6

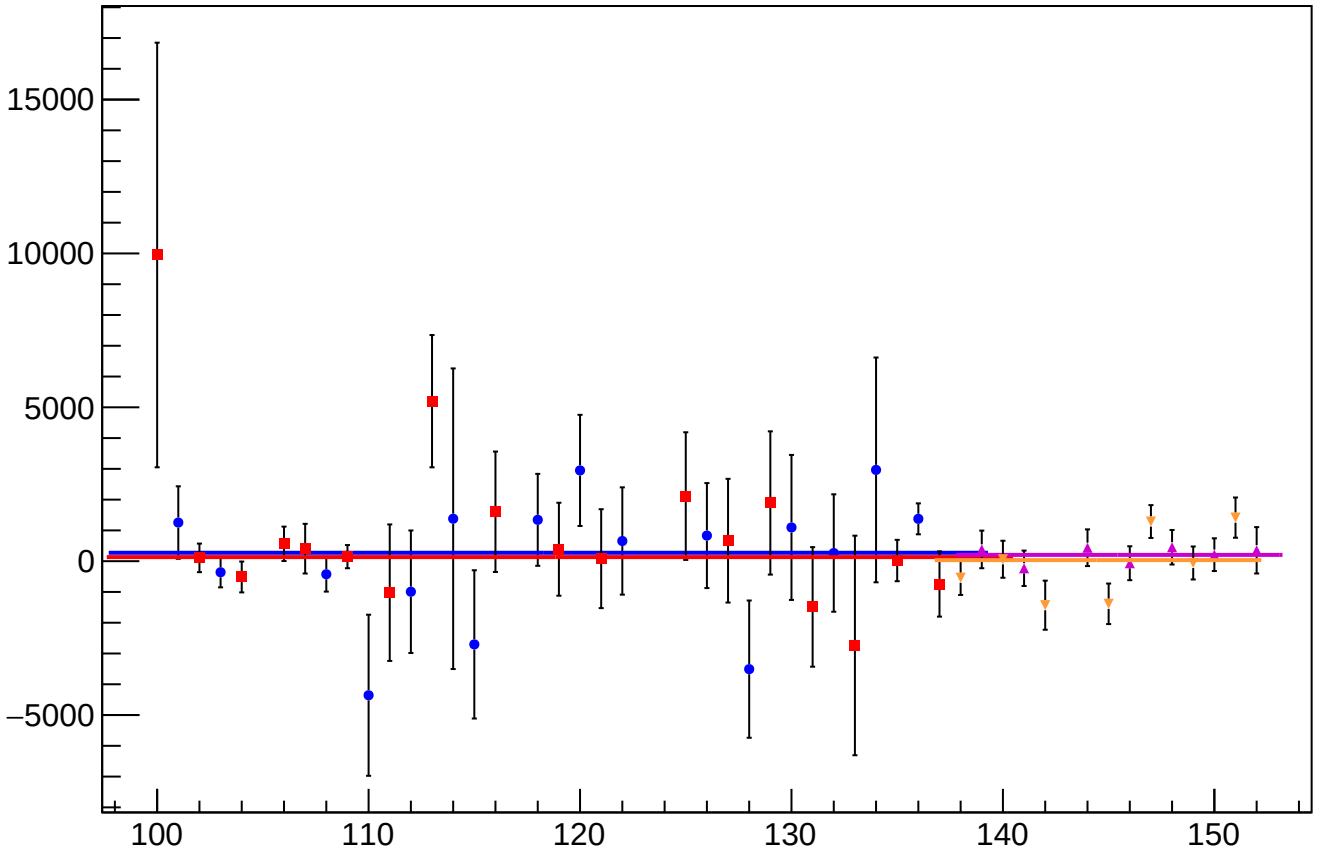
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1635.103+/-0.468 χ^2/NDF:63184.7/6

+ sign 1524.464+/-0.308 χ^2/NDF: 646651.8/22

All: 1519.849+/-0.214 χ^2/NDF: 1148513.5/47

- sign 1515.531+/-0.298 χ^2/NDF: 501426.1/24



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 33.947+/-228.401 χ^2/NDF:19.1/6

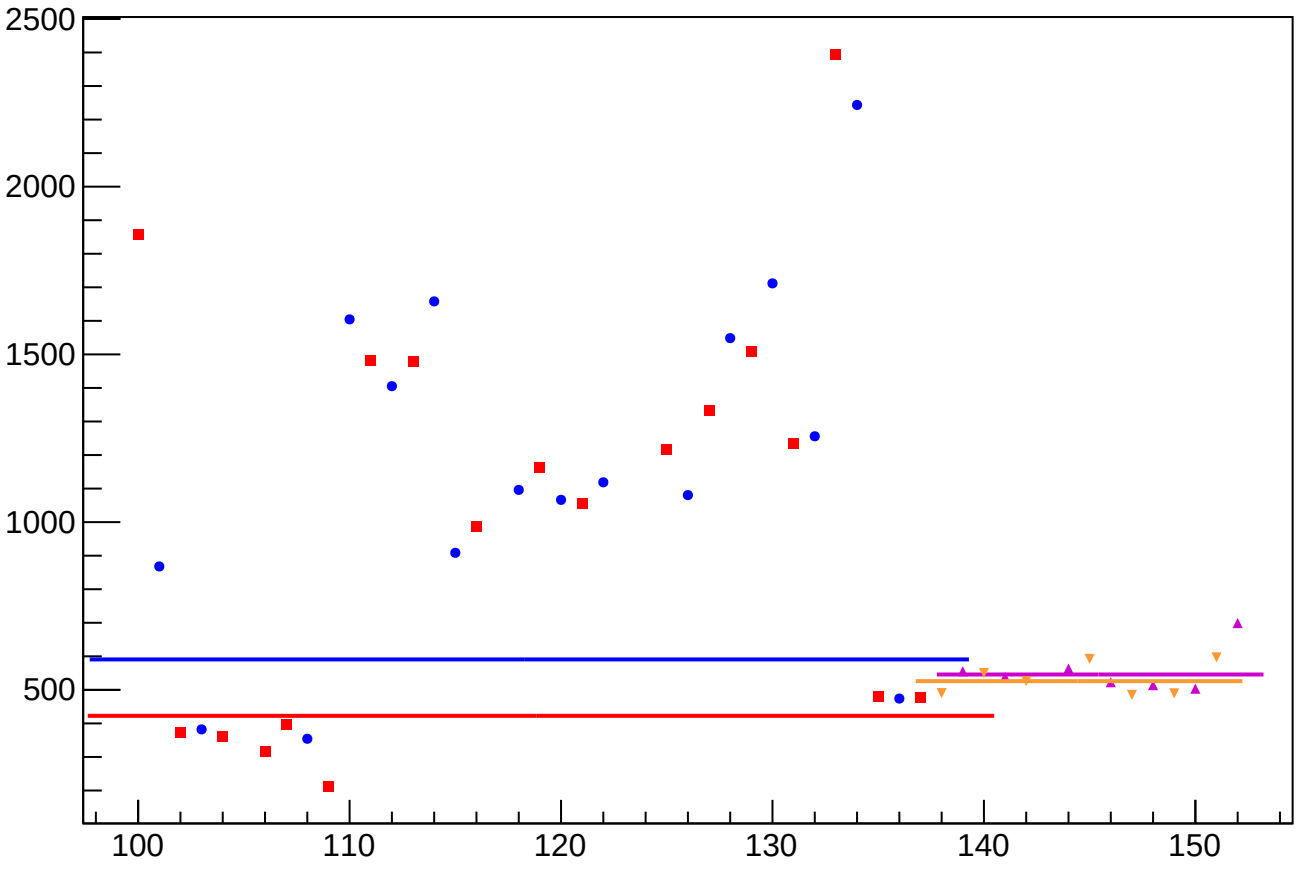
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 204.098+/-222.074 χ^2/NDF:1.3/6

\+ sign 138.016+/-171.748 χ^2/NDF: 39.8/22

All: 152.949+/-111.646 χ^2/NDF: 55.6/47

\- sign 163.877+/-146.924 χ^2/NDF: 15.8/24



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 526.020+/-0.162 χ^2/NDF:76033.4/6

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

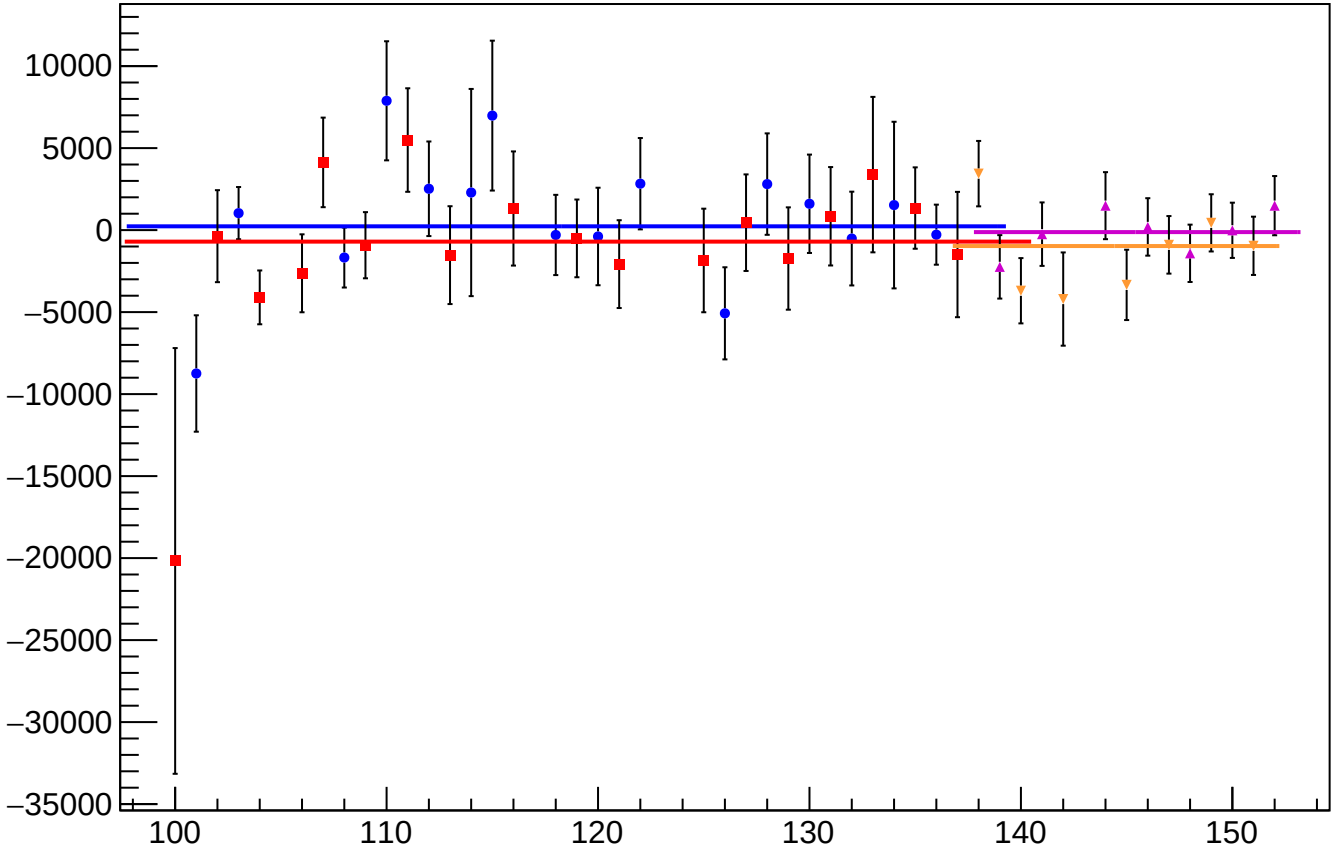
Left In: 545.825+/-0.157 χ^2/NDF:108026.6/6

+ sign 554.147+/-0.121 χ^2/NDF: 4031364.8/22

All: 509.344+/-0.079 χ^2/NDF: 9579088.1/47

- sign 476.556+/-0.104 χ^2/NDF: 5312016.7/24

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -971.886+/-742.221 χ^2/NDF:9.9/6

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

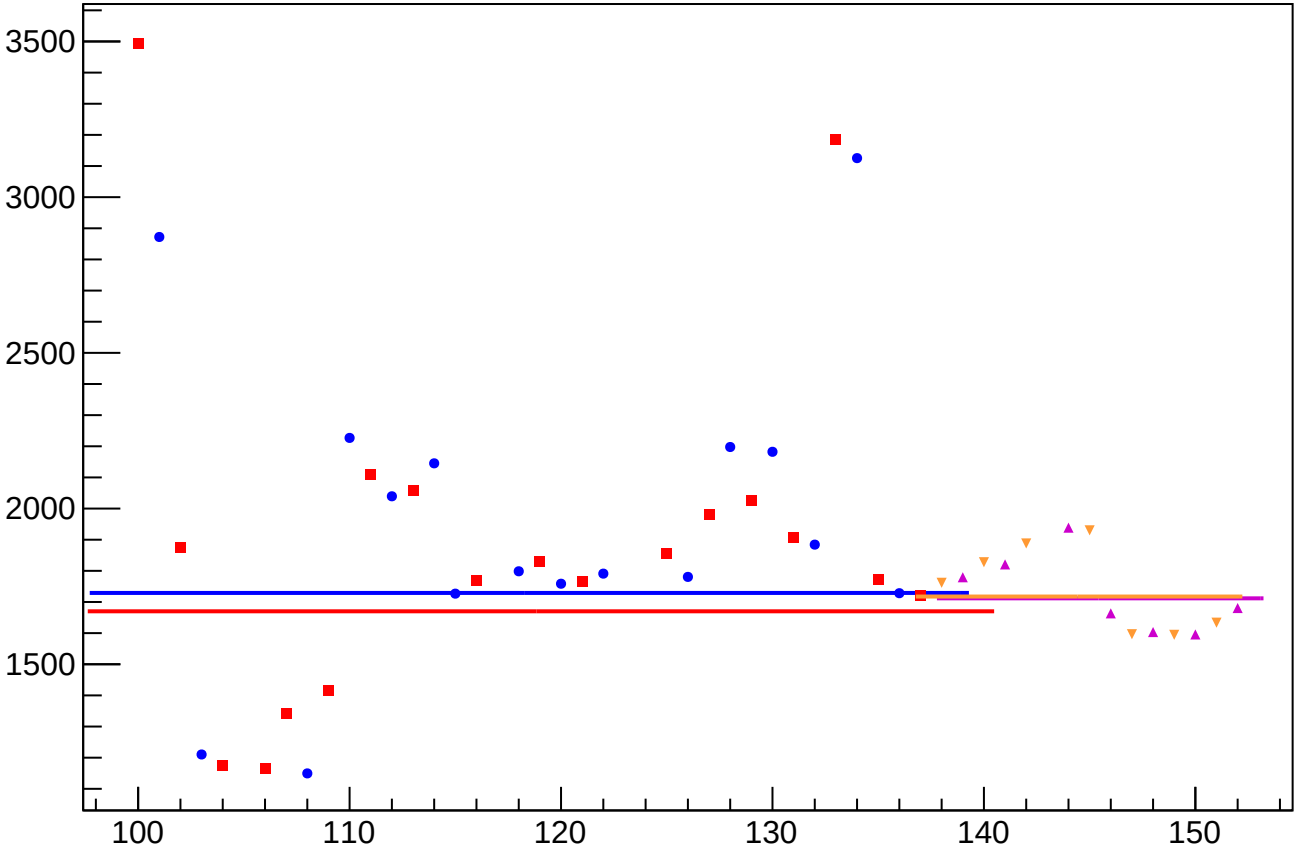
Left In: -121.601+/-692.428 χ^2/NDF:3.2/6

\+ sign -305.873+/-495.796 χ^2/NDF: 32.1/22

All: -371.354+/-342.334 χ^2/NDF: 52.8/47

\- sign -431.017+/-473.257 χ^2/NDF: 20.6/24

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1717.475+/-0.525 χ^2/NDF:57866.7/6

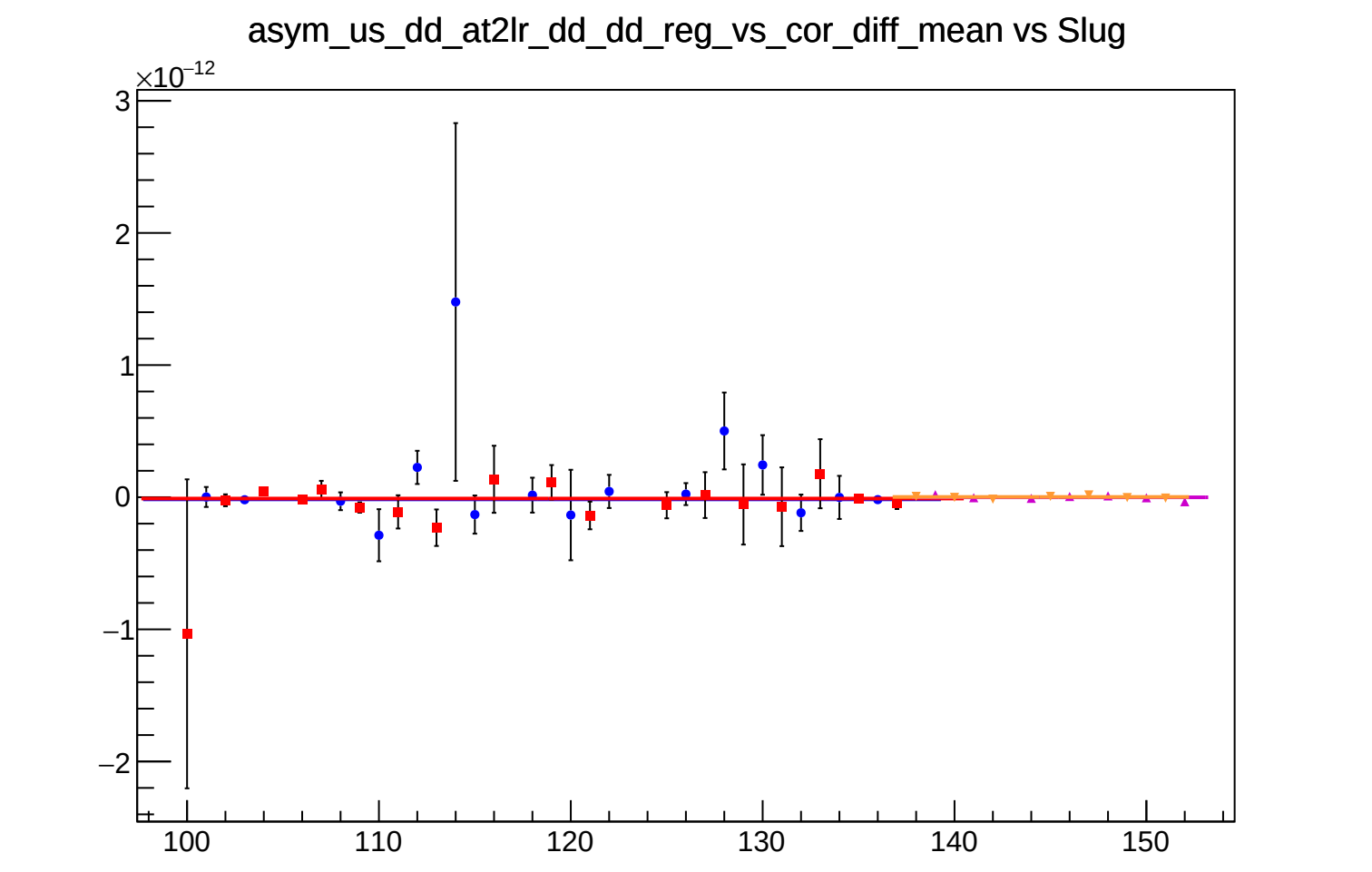
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

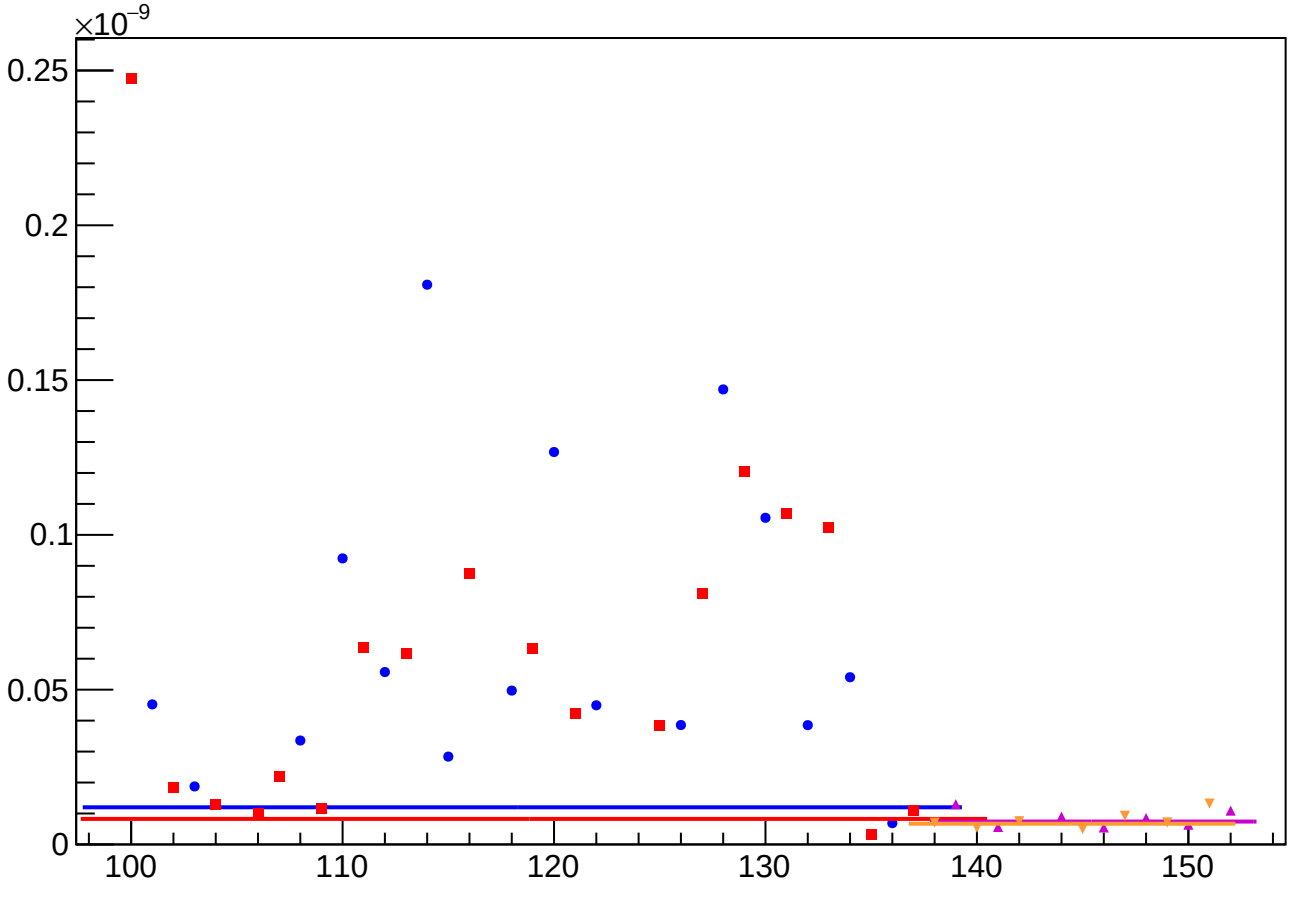
Left In: 1711.703+/-0.490 χ^2/NDF:52721.8/6

+ sign 1723.885+/-0.351 χ^2/NDF: 1000215.3/22

All: 1705.899+/-0.242 χ^2/NDF: 1806274.6/47

- sign 1689.511+/-0.335 χ^2/NDF: 801029.2/24


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:2.5/6
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:5.6/6
+ sign -0.000+/-0.000 χ²/NDF: 18.4/22
All: -0.000+/-0.000 χ²/NDF: 41.3/47
- sign -0.000+/-0.000 χ²/NDF: 22.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:382143.4/6

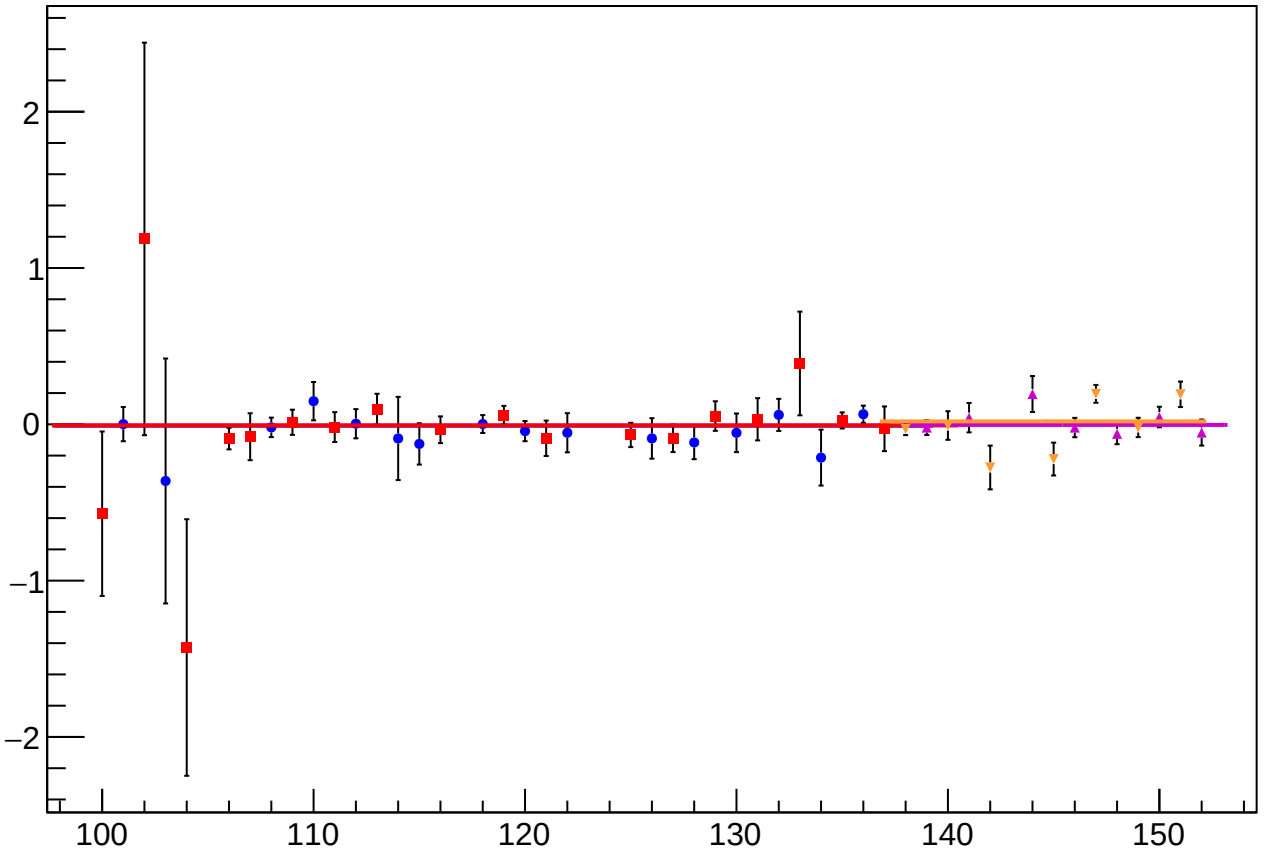
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:452583.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 4247492.6/22

All: 0.000+/-0.000 χ^2/NDF: 8225303.2/47

- sign 0.000+/-0.000 χ^2/NDF: 3977643.1/24



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.019+/-0.025 χ^2/NDF:25.6/6

Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

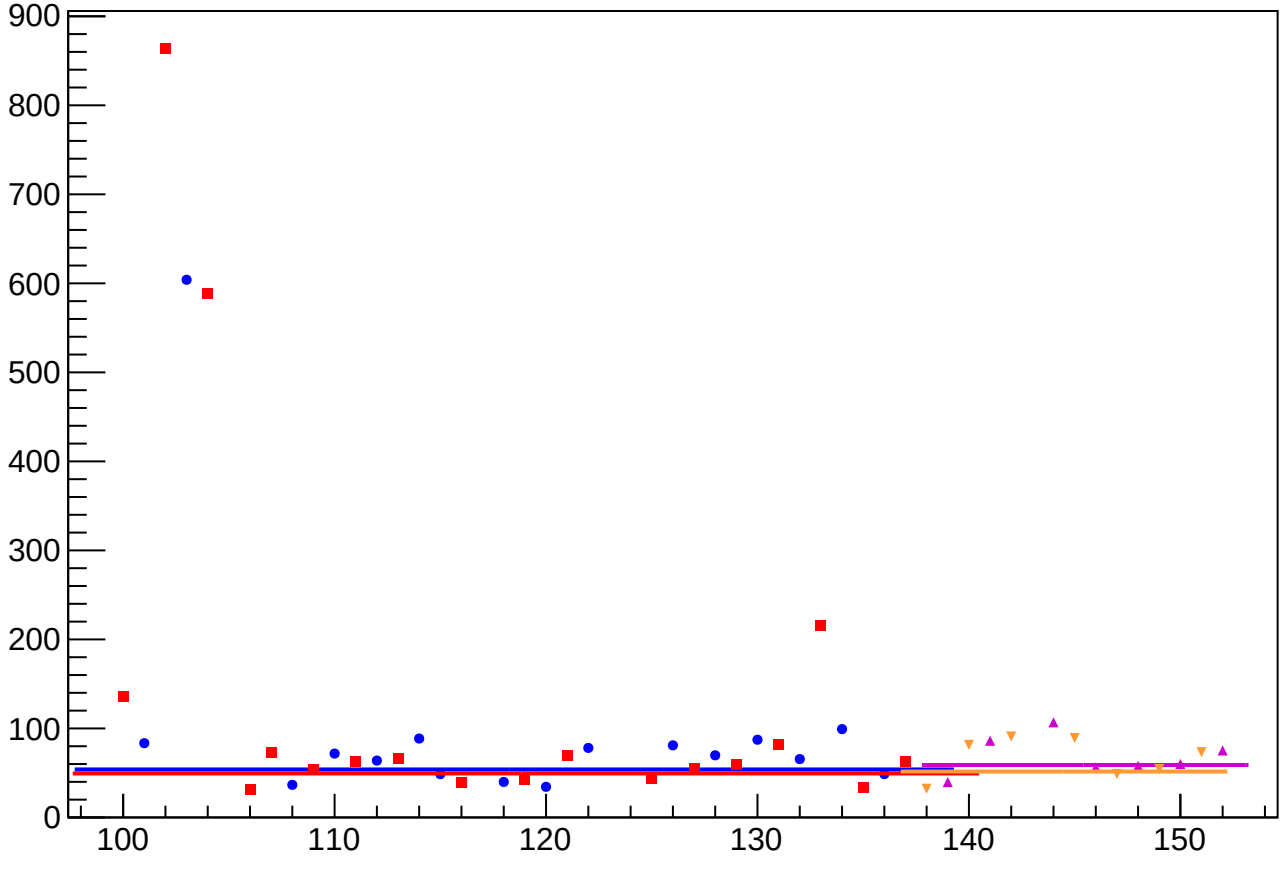
Left In: -0.004+/-0.026 χ^2/NDF:5.1/6

+ sign 0.004+/-0.017 χ^2/NDF: 34.6/22

All: -0.001+/-0.012 χ^2/NDF: 53.5/47

- sign -0.006+/-0.017 χ^2/NDF: 18.8/24

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 51.594+/-0.018 χ^2/NDF:1247992.4/6

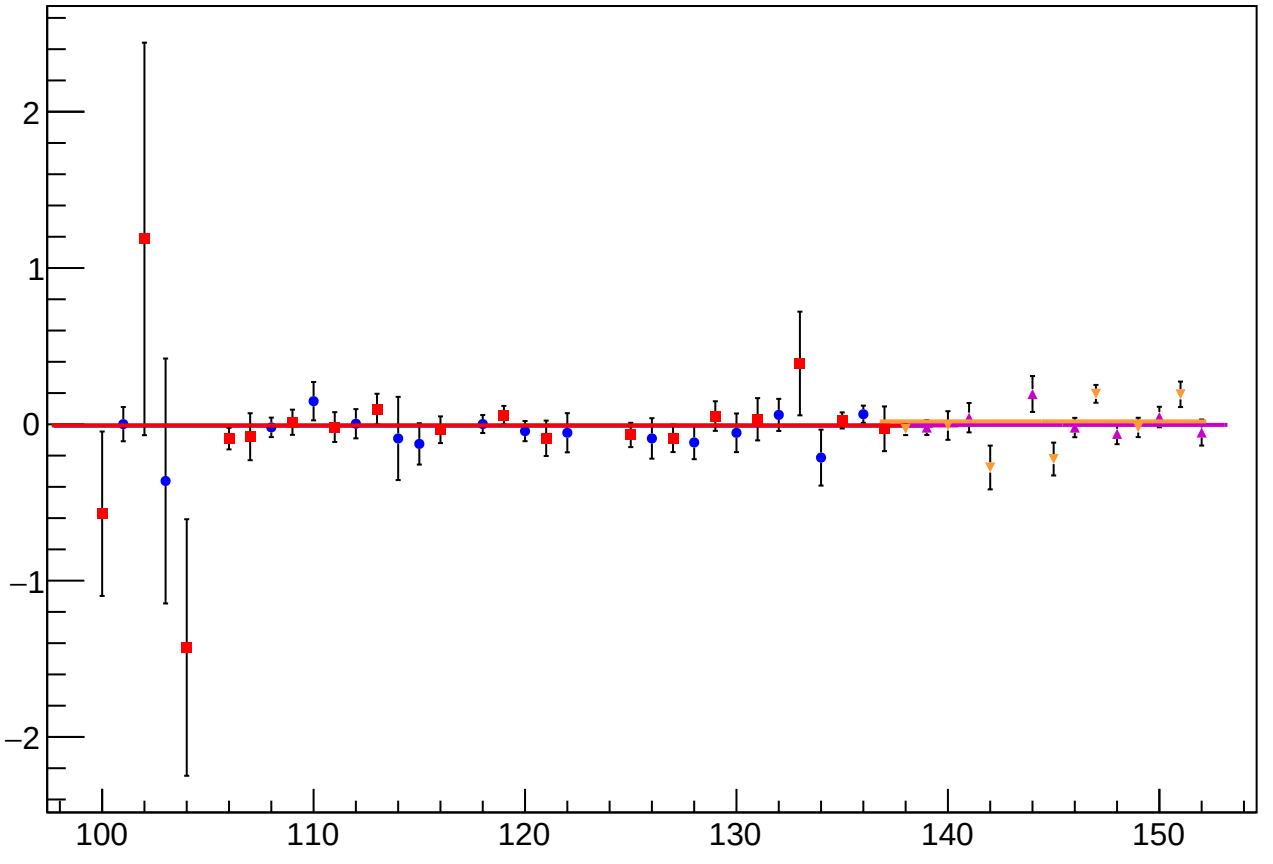
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 58.906+/-0.018 χ^2/NDF:920525.0/6

+ sign 52.849+/-0.012 χ^2/NDF: 3471747.2/22

All: 53.150+/-0.008 χ^2/NDF: 7566000.0/47

- sign 53.448+/-0.012 χ^2/NDF: 4092997.5/24



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.019+/-0.025 χ^2/NDF:25.6/6

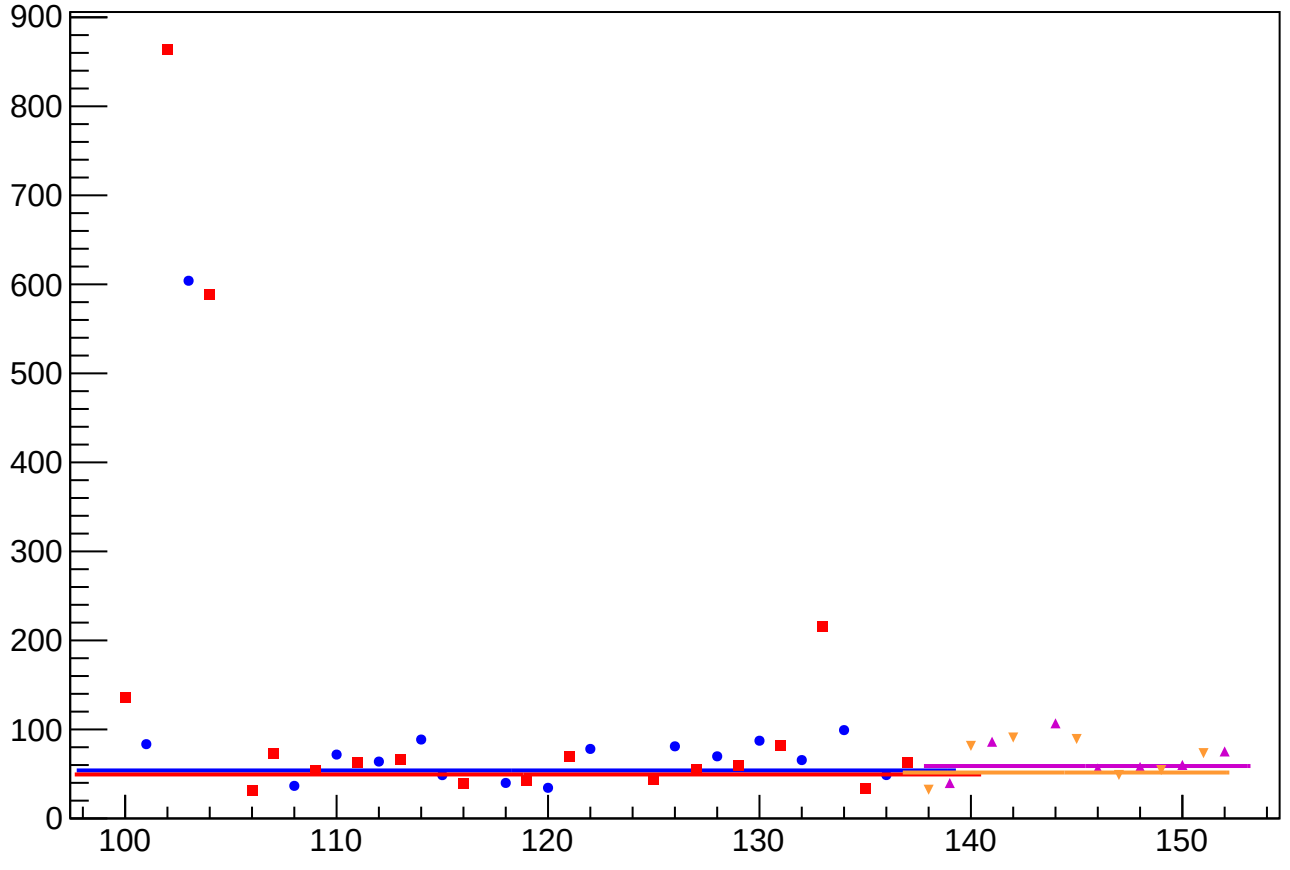
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.026 χ^2/NDF:5.1/6

+ sign 0.004+/-0.017 χ^2/NDF: 34.6/22

All: -0.001+/-0.012 χ^2/NDF: 53.5/47

- sign -0.006+/-0.017 χ^2/NDF: 18.8/24



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 51.594+/-0.018 χ^2/NDF:1247992.4/6

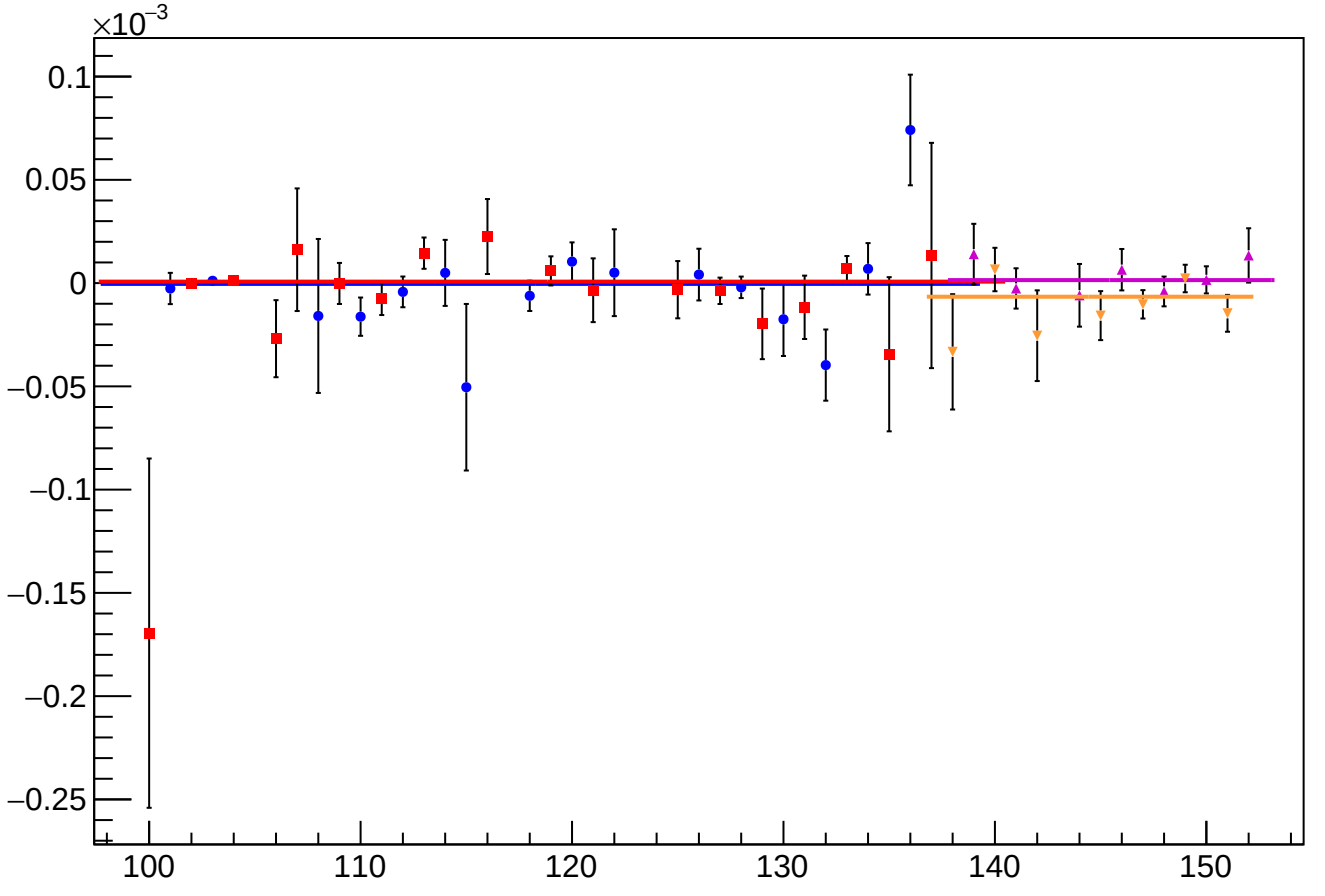
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 58.906+/-0.018 χ^2/NDF:920525.0/6

+ sign 52.849+/-0.012 χ^2/NDF: 3471747.2/22

All: 53.150+/-0.008 χ^2/NDF: 7566000.0/47

- sign 53.448+/-0.012 χ^2/NDF: 4092997.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.7/6

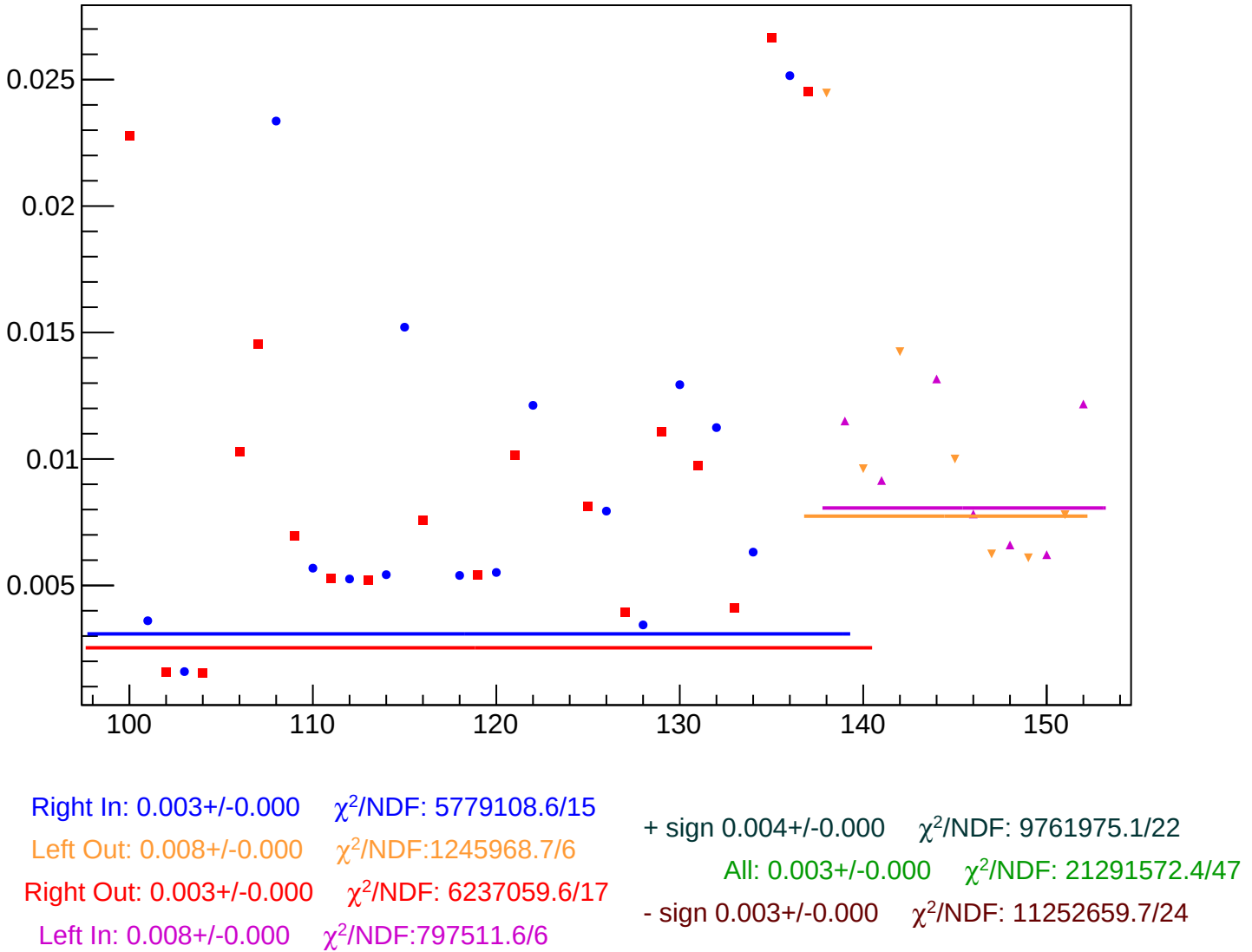
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

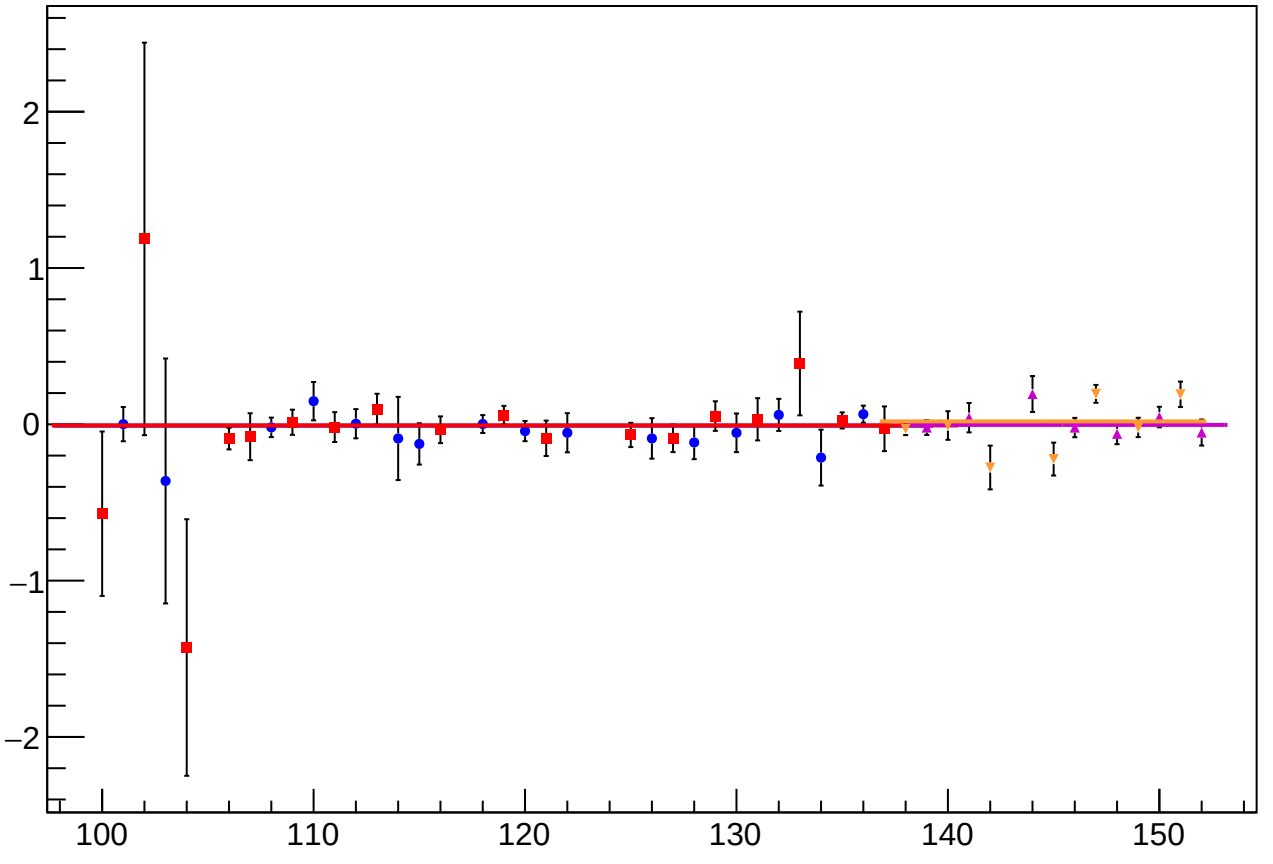
Left In: 0.000+/-0.000 χ^2/NDF:2.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/22

All: -0.000+/-0.000 χ^2/NDF: 53.2/47

- sign 0.000+/-0.000 χ^2/NDF: 20.7/24


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:1245968.7/6
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.008+/-0.000 χ²/NDF:797511.6/6
+ sign 0.004+/-0.000 χ²/NDF: 9761975.1/22
All: 0.003+/-0.000 χ²/NDF: 21291572.4/47
- sign 0.003+/-0.000 χ²/NDF: 11252659.7/24



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.019+/-0.025 χ^2/NDF:25.6/6

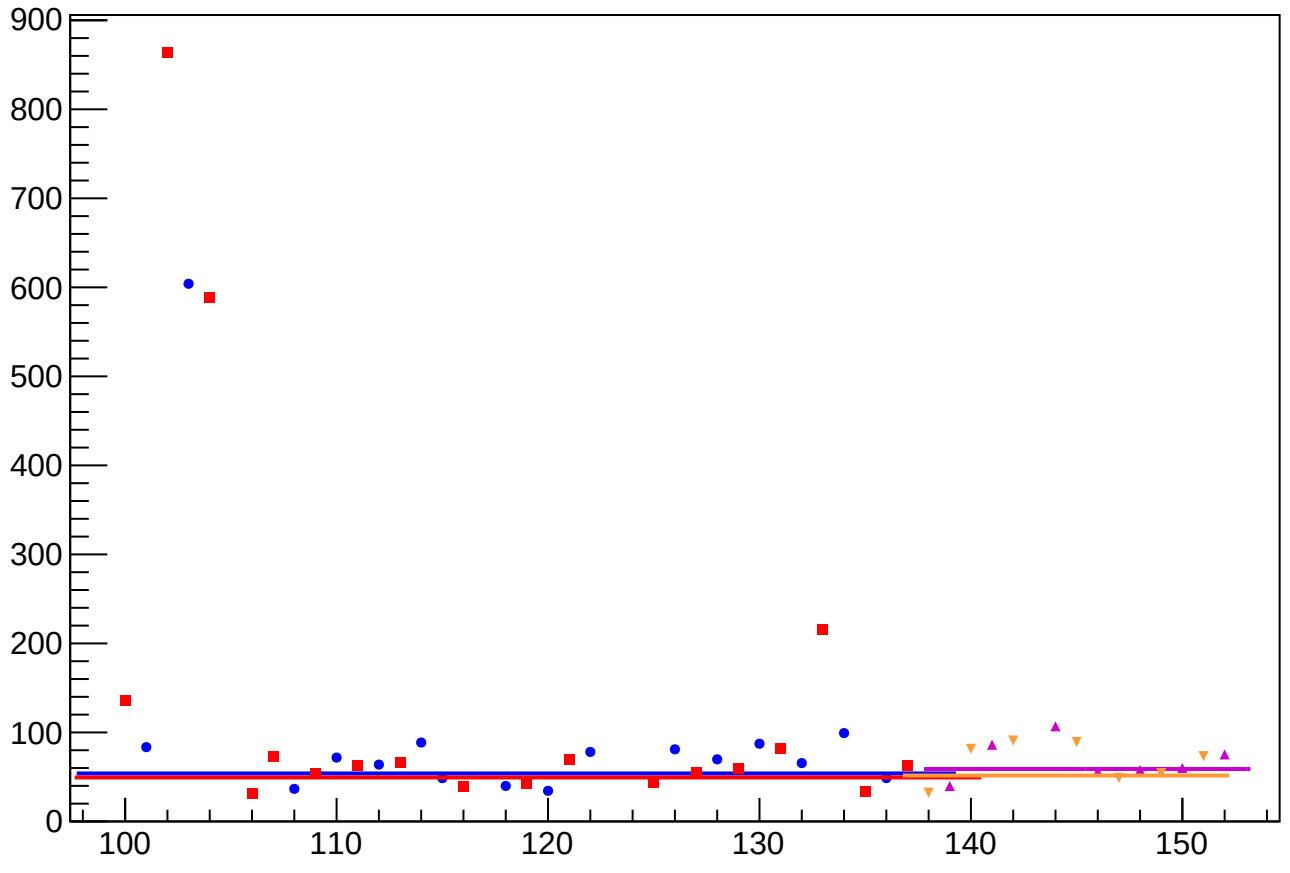
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.026 χ^2/NDF:5.1/6

+ sign 0.004+/-0.017 χ^2/NDF: 34.6/22

All: -0.001+/-0.012 χ^2/NDF: 53.5/47

- sign -0.006+/-0.017 χ^2/NDF: 18.8/24



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 51.598+/-0.018 χ^2/NDF:1247403.8/6

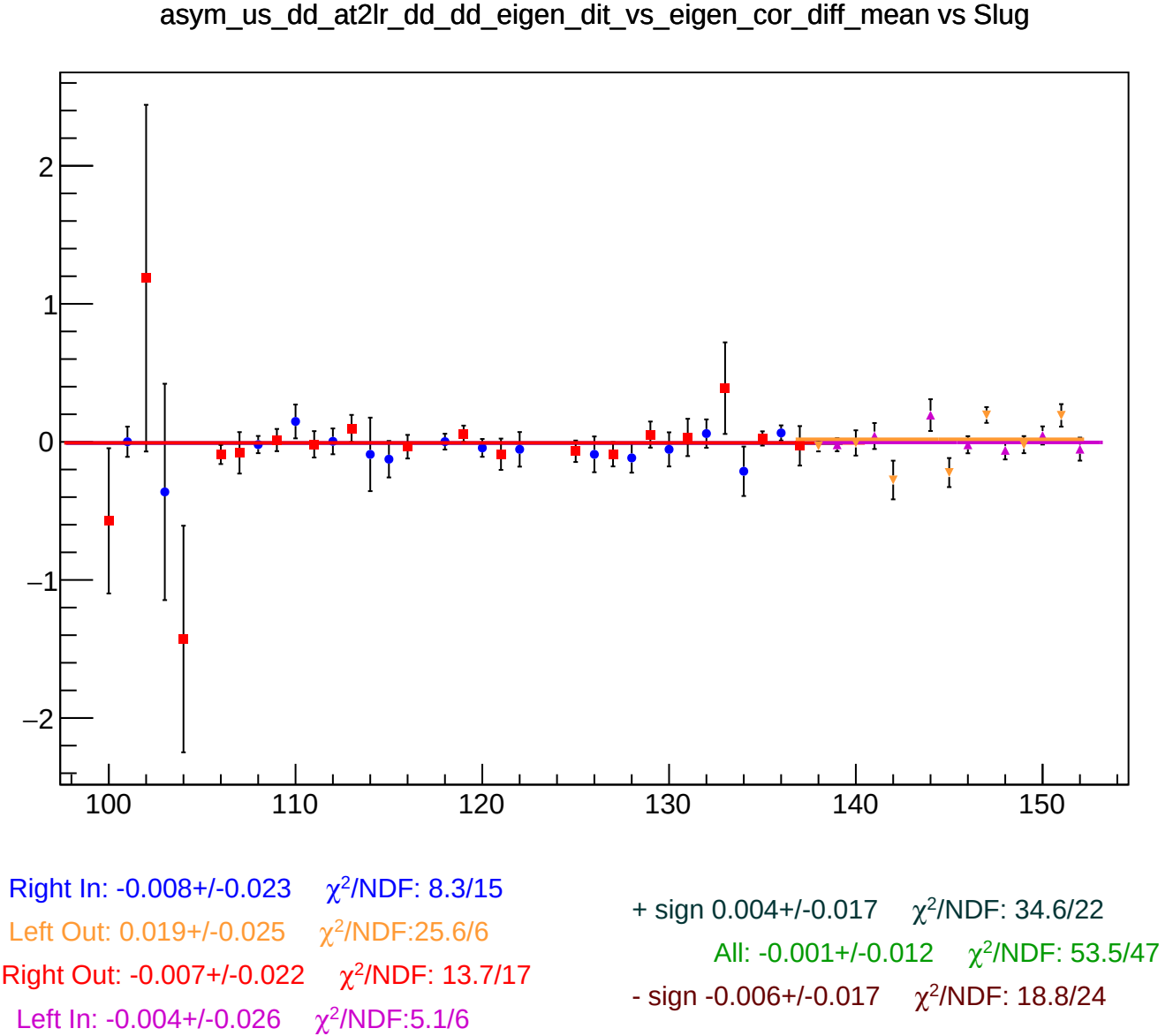
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

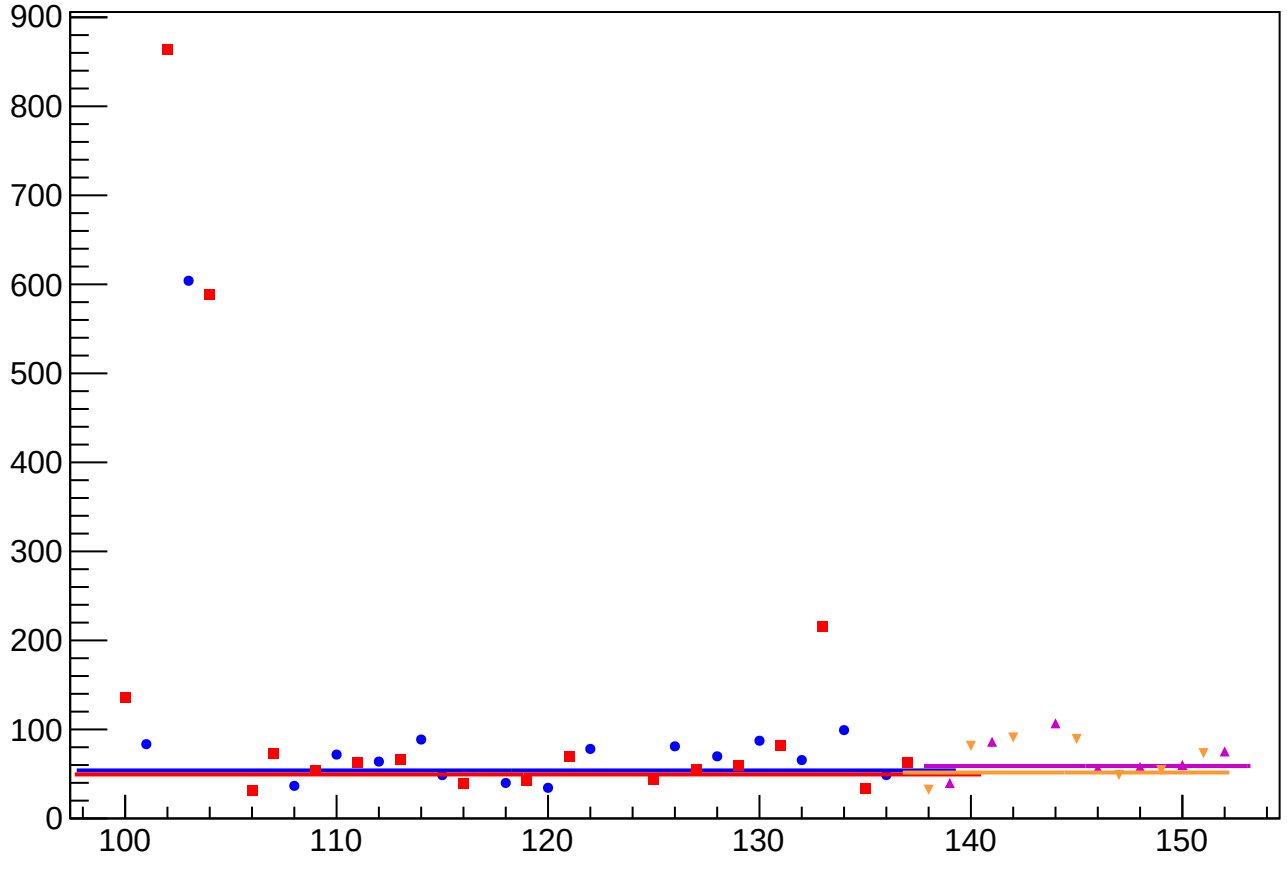
Left In: 58.906+/-0.018 χ^2/NDF:920599.2/6

+ sign 52.853+/-0.012 χ^2/NDF: 3470753.1/22

All: 53.153+/-0.008 χ^2/NDF: 7564694.5/47

- sign 53.449+/-0.012 χ^2/NDF: 4092697.7/24


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: 0.019+/-0.025 χ²/NDF:25.6/6
Right Out: -0.007+/-0.022 χ²/NDF: 13.7/17
Left In: -0.004+/-0.026 χ²/NDF:5.1/6
+ sign 0.004+/-0.017 χ²/NDF: 34.6/22
All: -0.001+/-0.012 χ²/NDF: 53.5/47
- sign -0.006+/-0.017 χ²/NDF: 18.8/24



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 51.598+/-0.018 χ^2/NDF:1247403.8/6

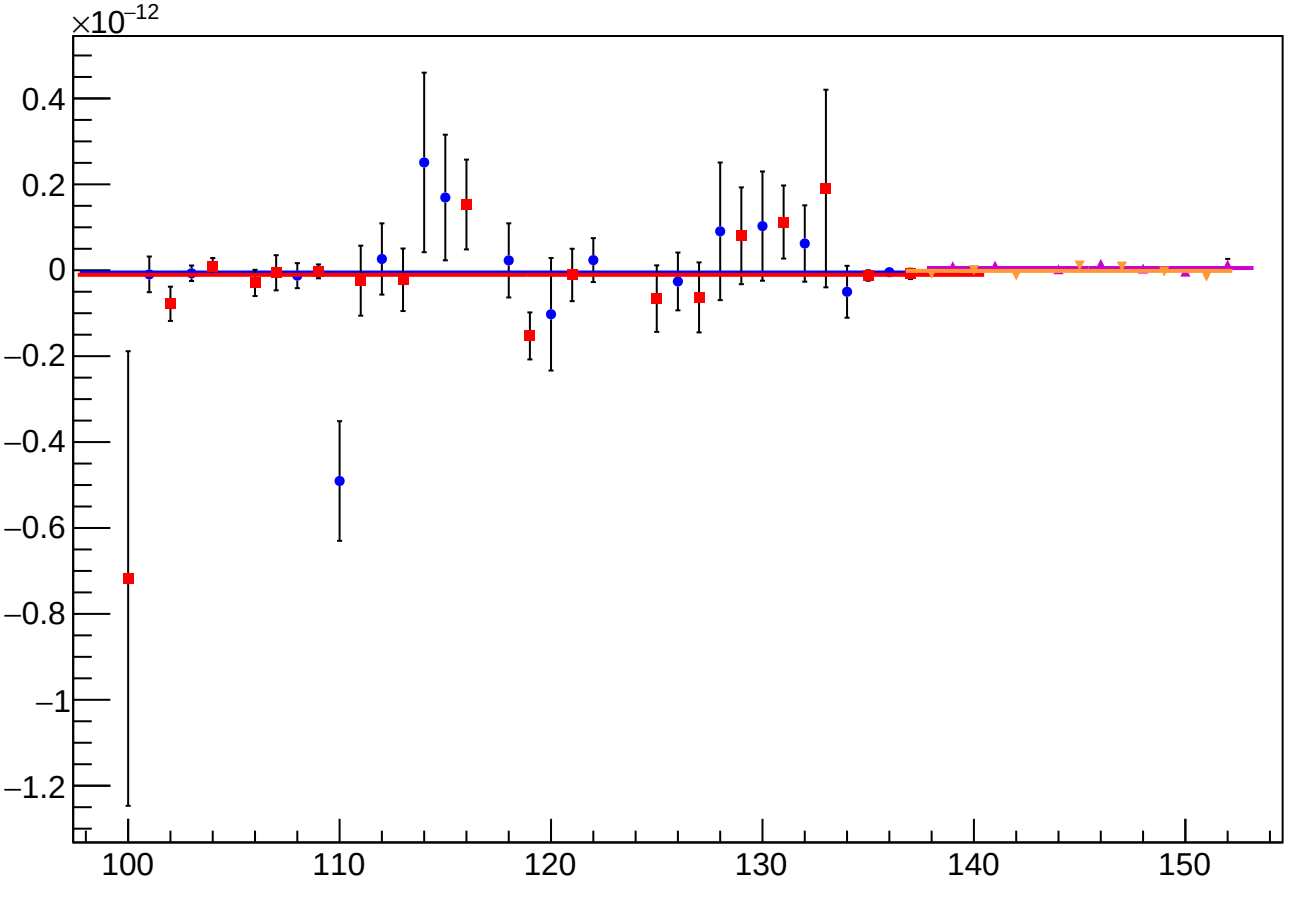
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 58.906+/-0.018 χ^2/NDF:920599.2/6

+ sign 52.853+/-0.012 χ^2/NDF: 3470753.1/22

All: 53.153+/-0.008 χ^2/NDF: 7564694.5/47

- sign 53.449+/-0.012 χ^2/NDF: 4092697.7/24



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.4/6

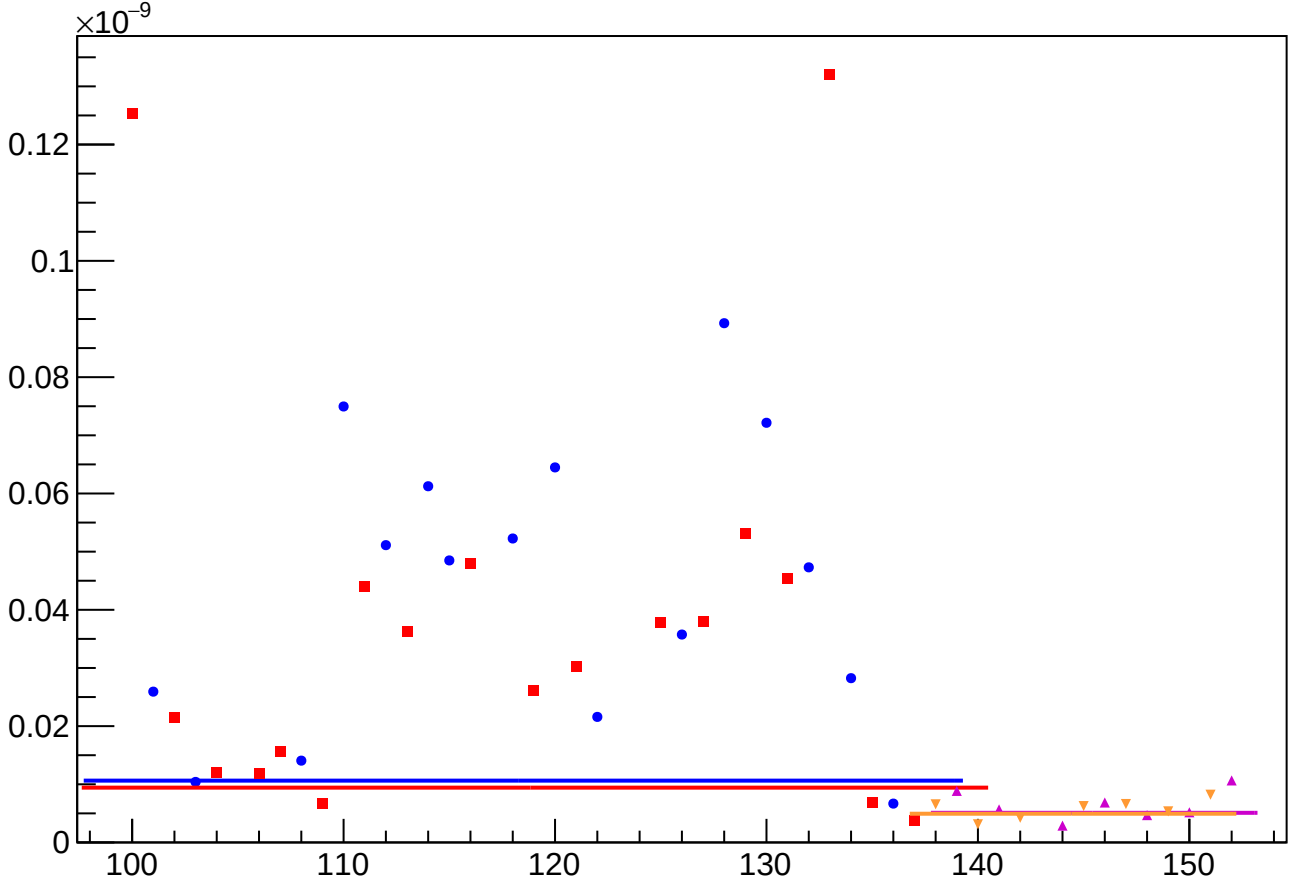
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:4.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 26.3/22

All: 0.000+/-0.000 χ^2/NDF: 57.3/47

- sign 0.000+/-0.000 χ^2/NDF: 29.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:701309.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

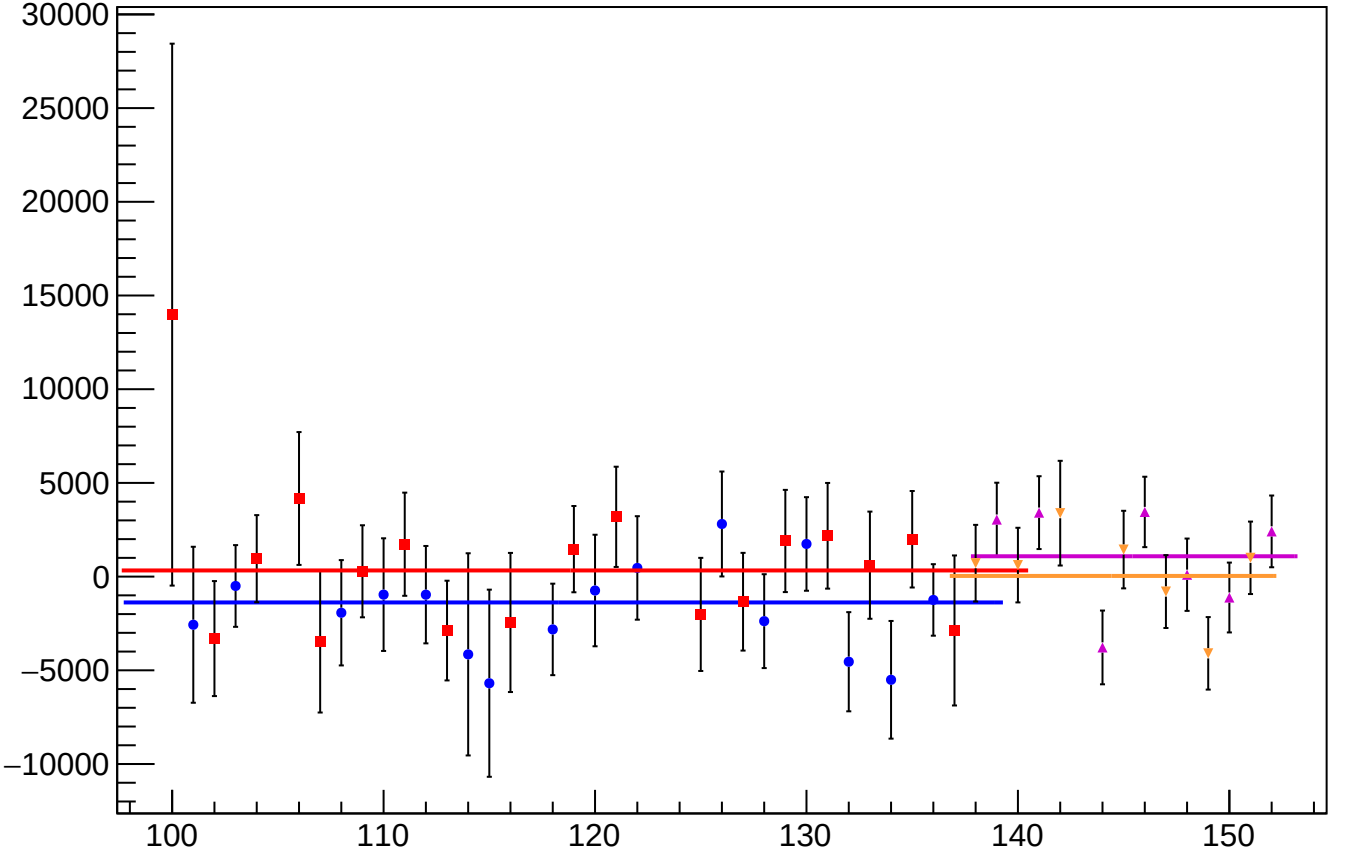
Left In: 0.000+/-0.000 χ^2/NDF:1087979.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 6447232.0/22

All: 0.000+/-0.000 χ^2/NDF: 12322725.5/47

- sign 0.000+/-0.000 χ^2/NDF: 5875391.4/24

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 36.139+/-778.020 χ^2/NDF:7.1/6

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

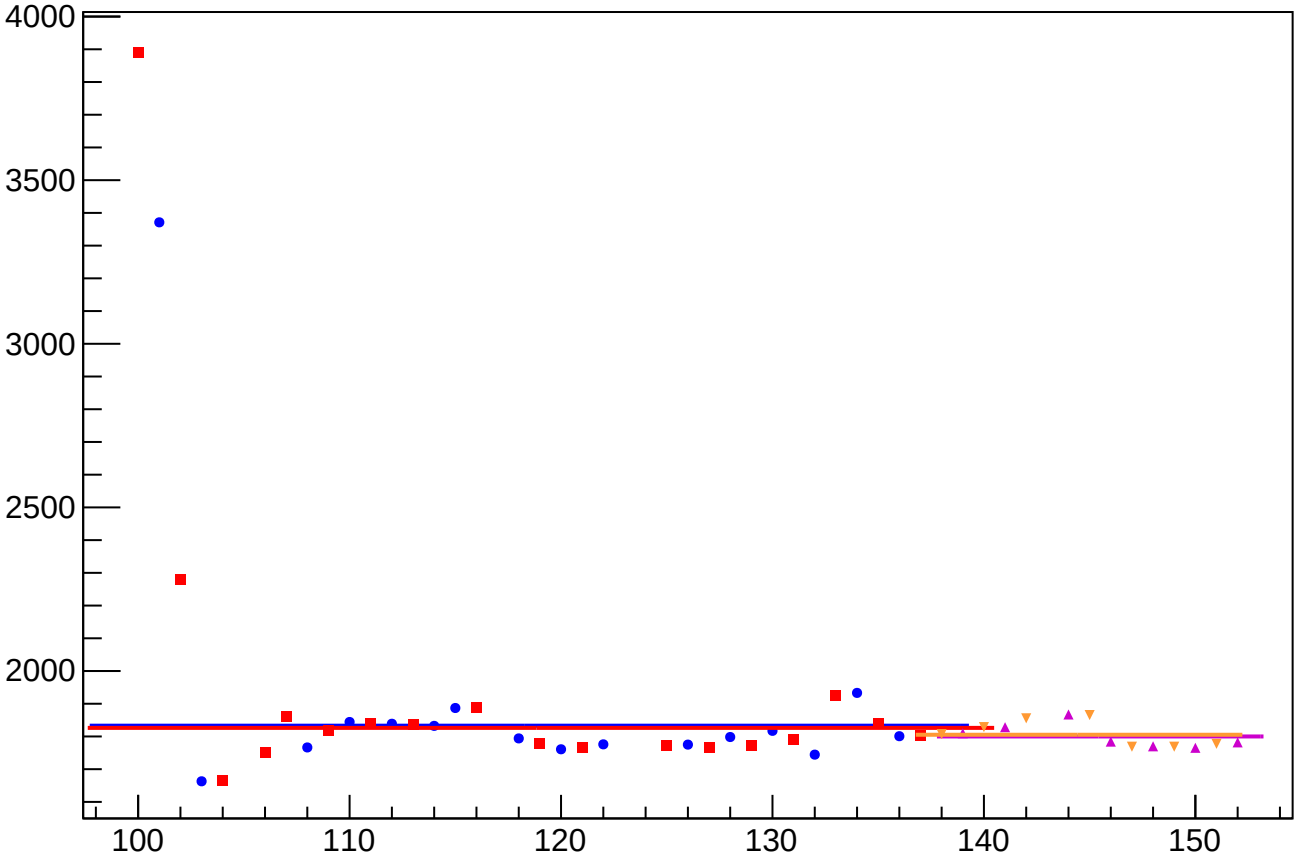
Left In: 1085.682+/-726.581 χ^2/NDF:12.3/6

+ sign -756.821+/-515.824 χ^2/NDF: 18.2/22

All: -10.901+/-358.271 χ^2/NDF: 46.2/47

- sign 684.336+/-497.991 χ^2/NDF: 23.9/24

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1805.210+/-0.550 χ^2/NDF:4447.4/6

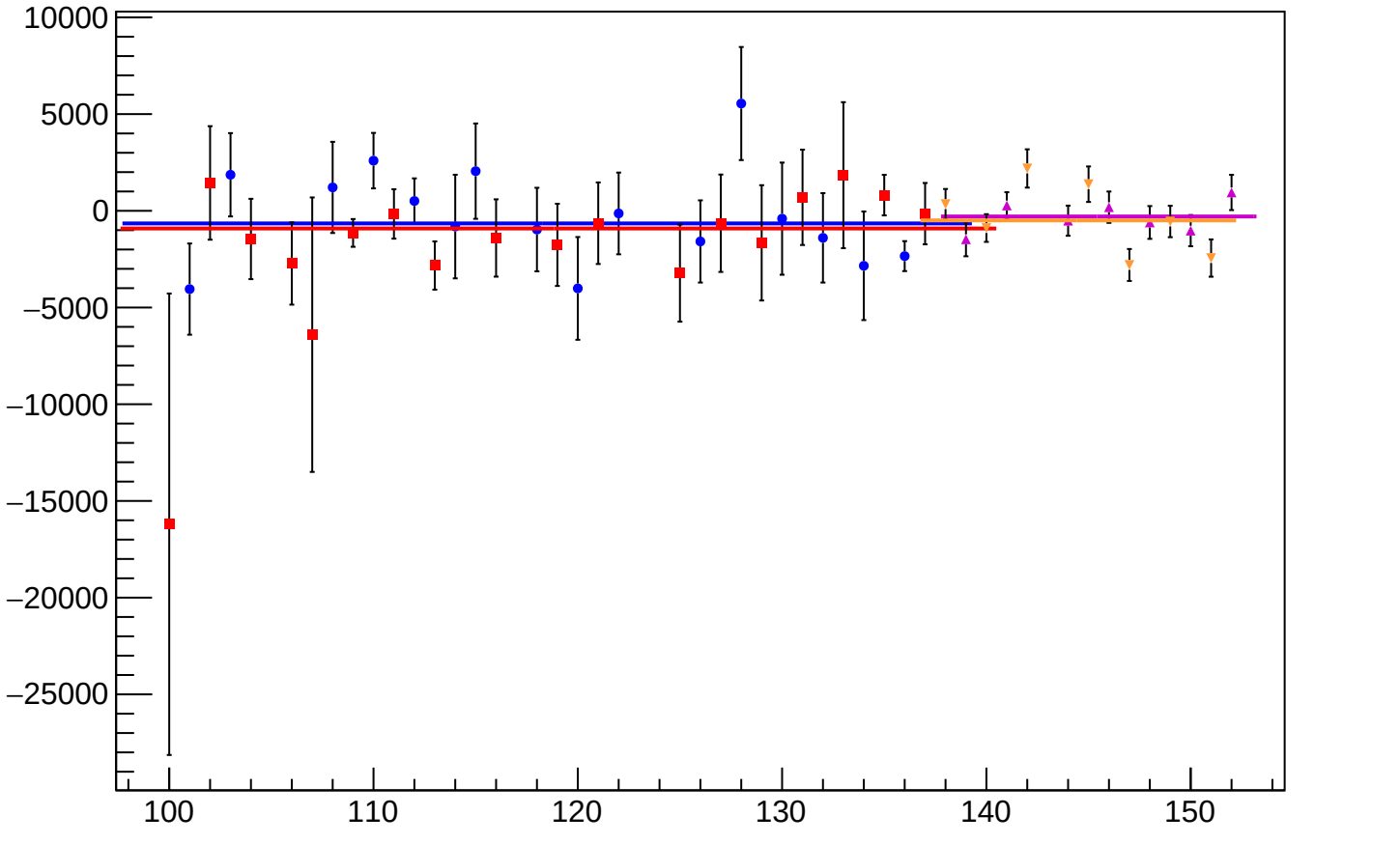
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1799.992+/-0.514 χ^2/NDF:4299.5/6

+ sign 1820.755+/-0.365 χ^2/NDF: 301311.3/22

All: 1817.203+/-0.253 χ^2/NDF: 410181.2/47

- sign 1813.893+/-0.352 χ^2/NDF: 108686.7/24



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -496.179+/-318.645 χ^2/NDF:24.8/6

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

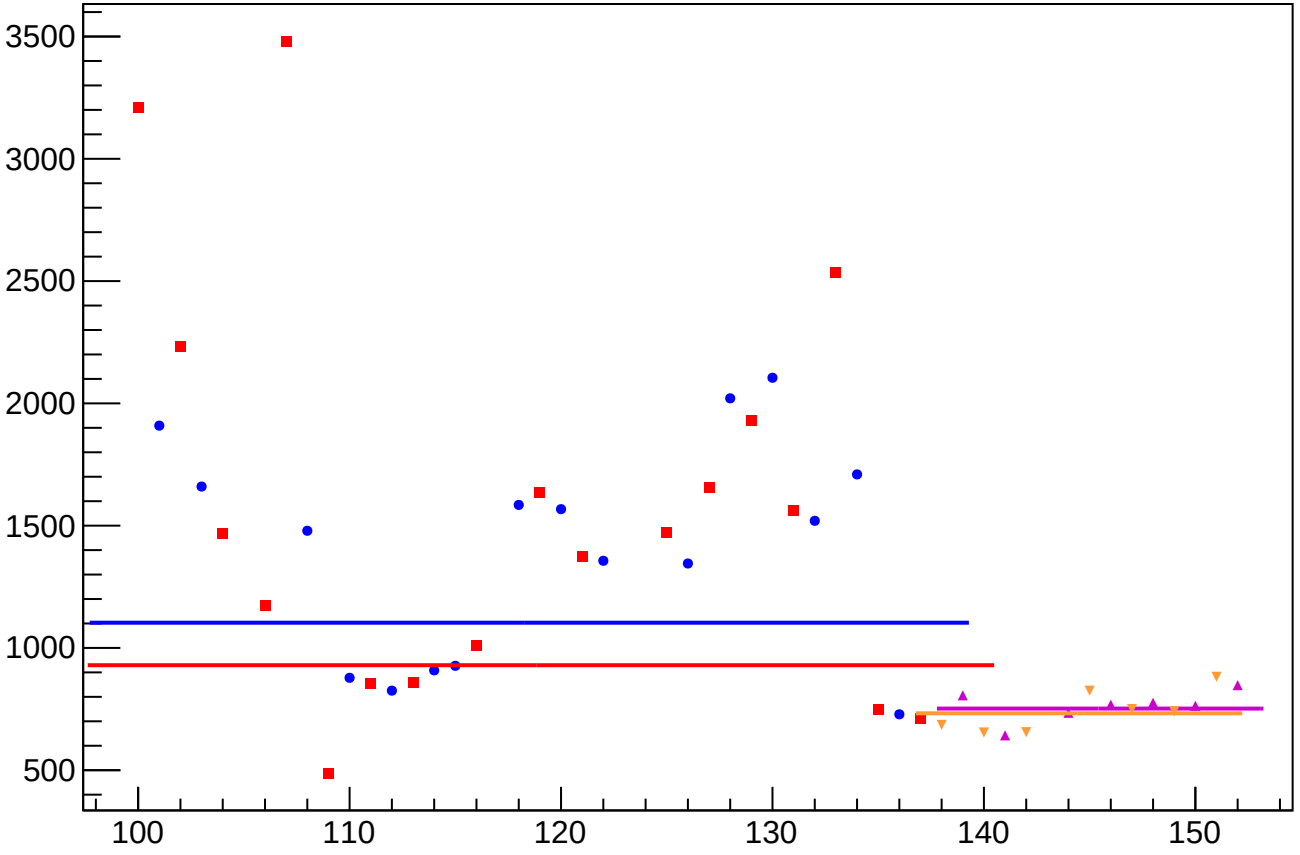
Left In: -293.434+/-305.464 χ^2/NDF:5.7/6

+ sign -549.427+/-258.506 χ^2/NDF: 48.1/22

All: -537.497+/-176.385 χ^2/NDF: 67.0/47

- sign -527.104+/-241.276 χ^2/NDF: 18.8/24

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: 732.656+/-0.225 χ^2/NDF:112750.6/6

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

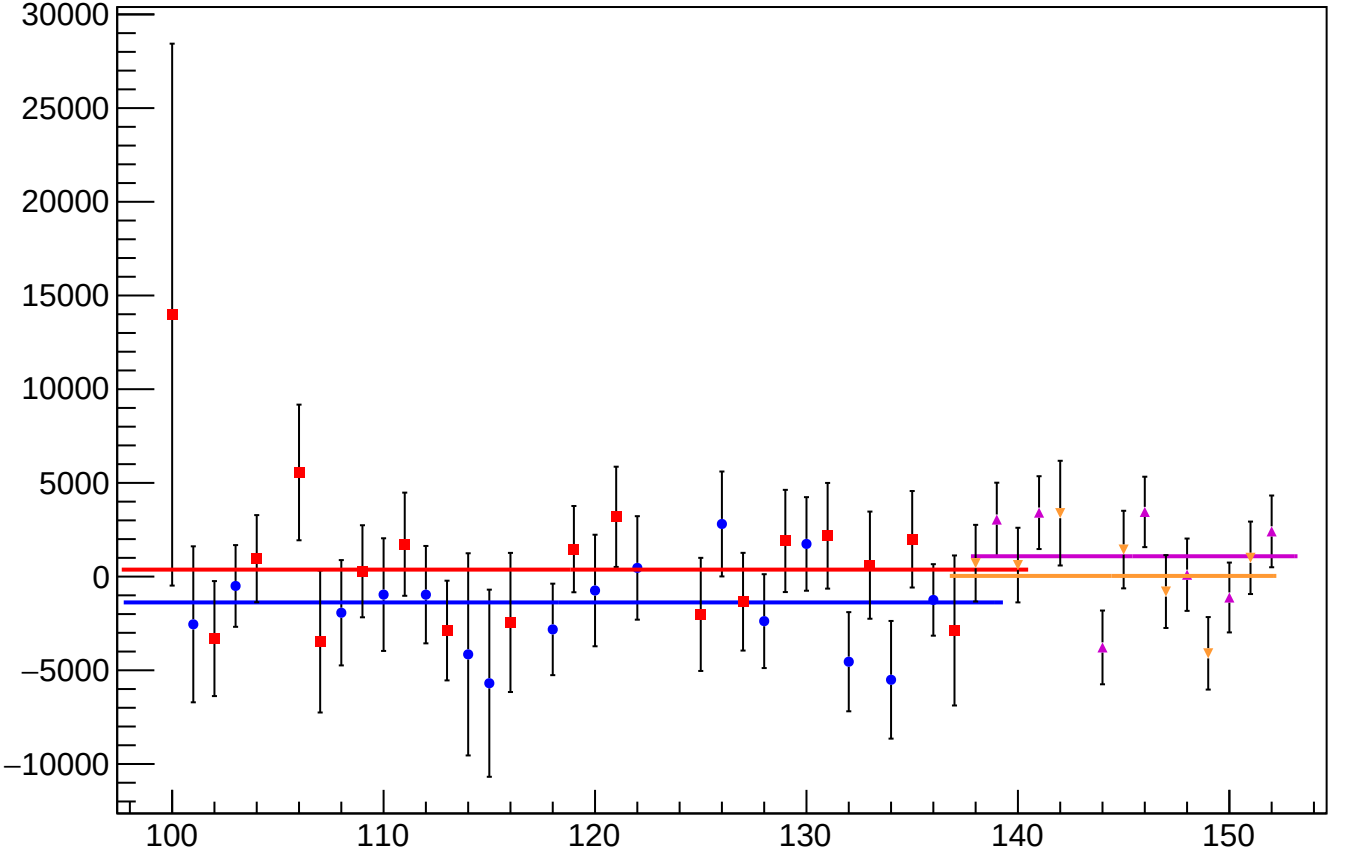
Left In: 752.019+/-0.216 χ^2/NDF:84304.6/6

+ sign 859.320+/-0.183 χ^2/NDF: 2915384.2/22

All: 837.620+/-0.125 χ^2/NDF: 6333678.6/47

- sign 818.717+/-0.171 χ^2/NDF: 3391925.0/24

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 36.149+/-778.020 χ^2/NDF:7.1/6

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

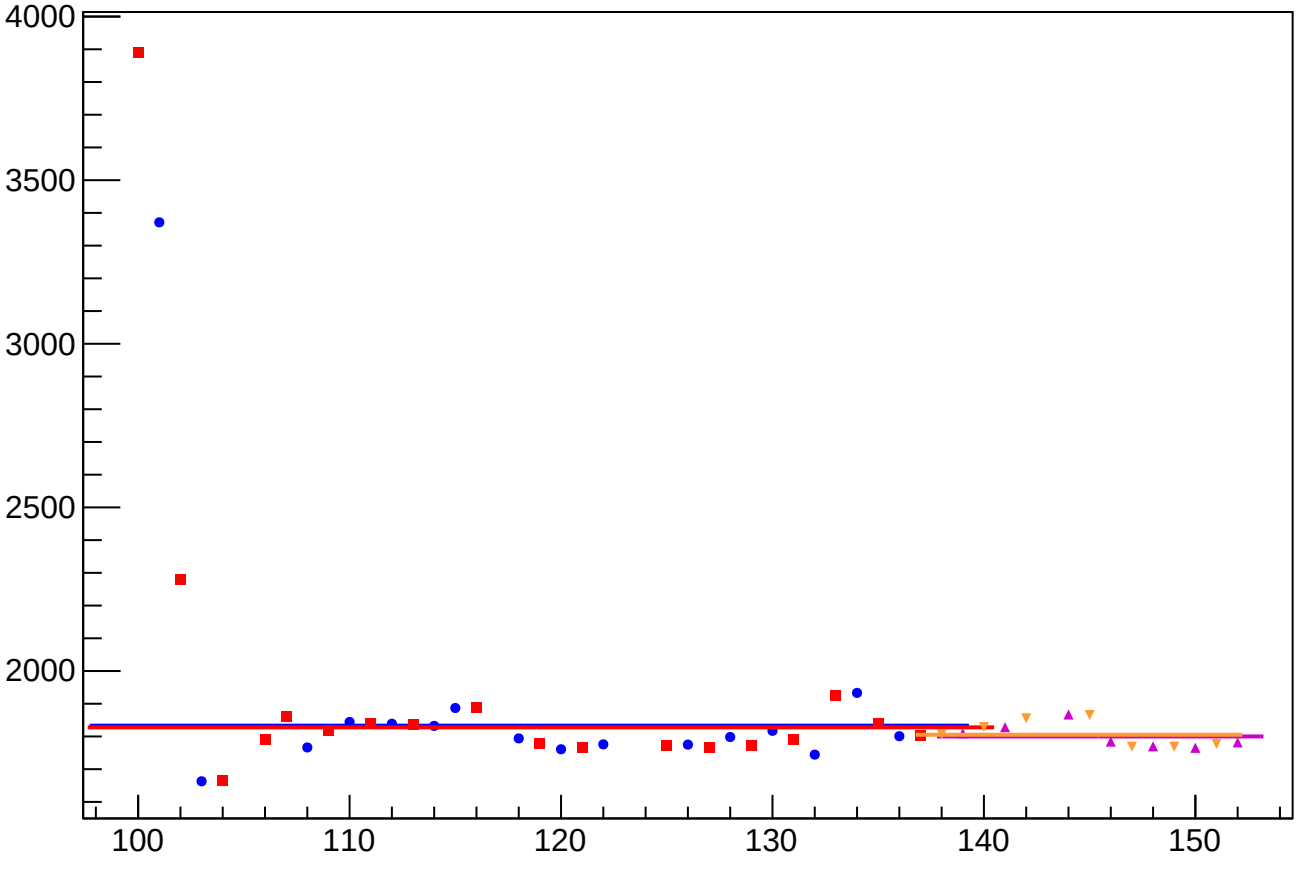
Left In: 1085.693+/-726.581 χ^2/NDF:12.3/6

+ sign -756.467+/-515.824 χ^2/NDF: 18.2/22

All: 1.129+/-358.346 χ^2/NDF: 47.1/47

- sign 707.817+/-498.192 χ^2/NDF: 24.7/24

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1805.210+/-0.550 χ^2/NDF:4447.4/6

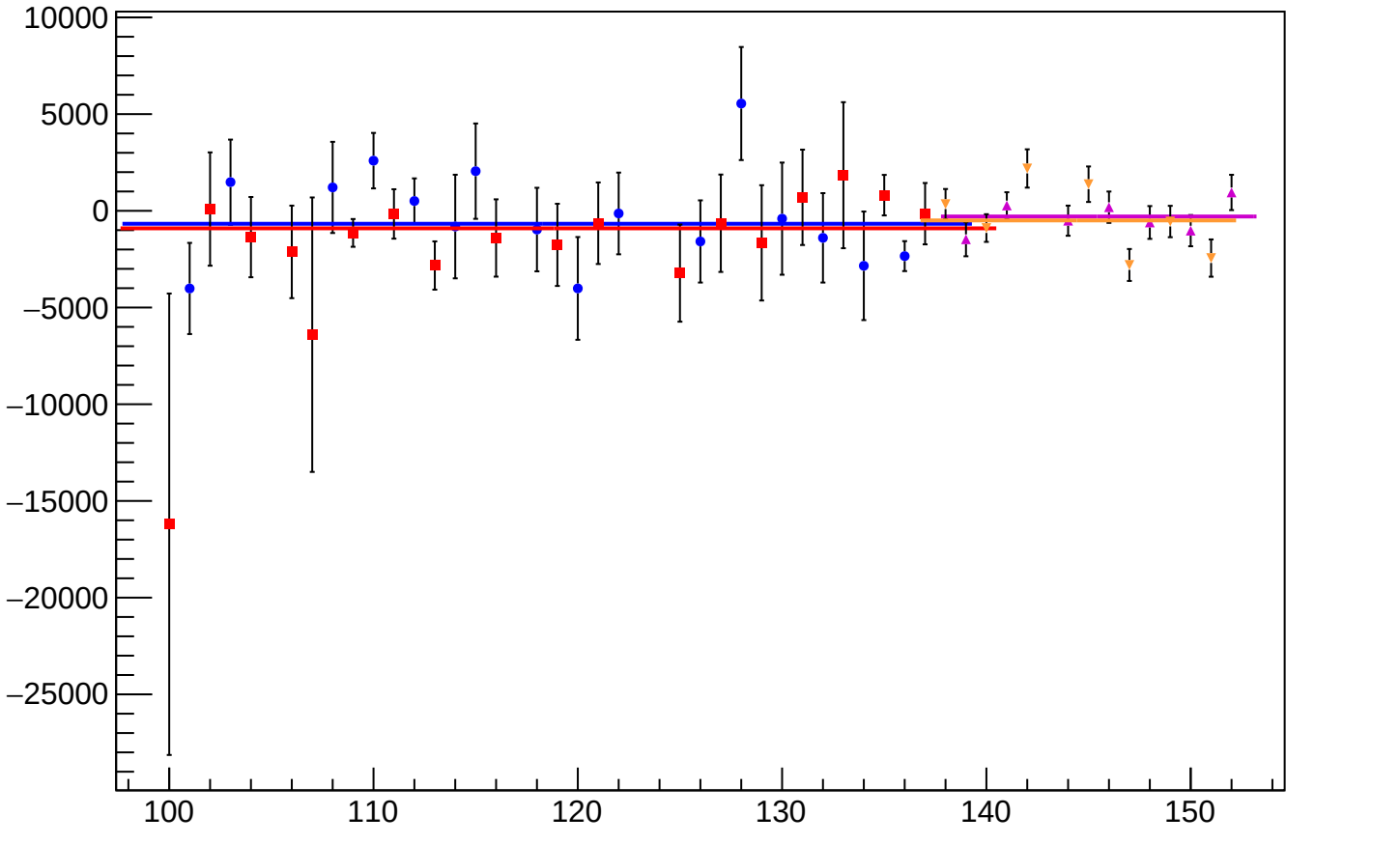
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1799.992+/-0.514 χ^2/NDF:4299.5/6

+ sign 1820.755+/-0.365 χ^2/NDF: 301313.2/22

All: 1817.632+/-0.253 χ^2/NDF: 409575.3/47

- sign 1814.718+/-0.352 χ^2/NDF: 108120.4/24



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -496.264+/-318.649 χ^2/NDF:24.8/6

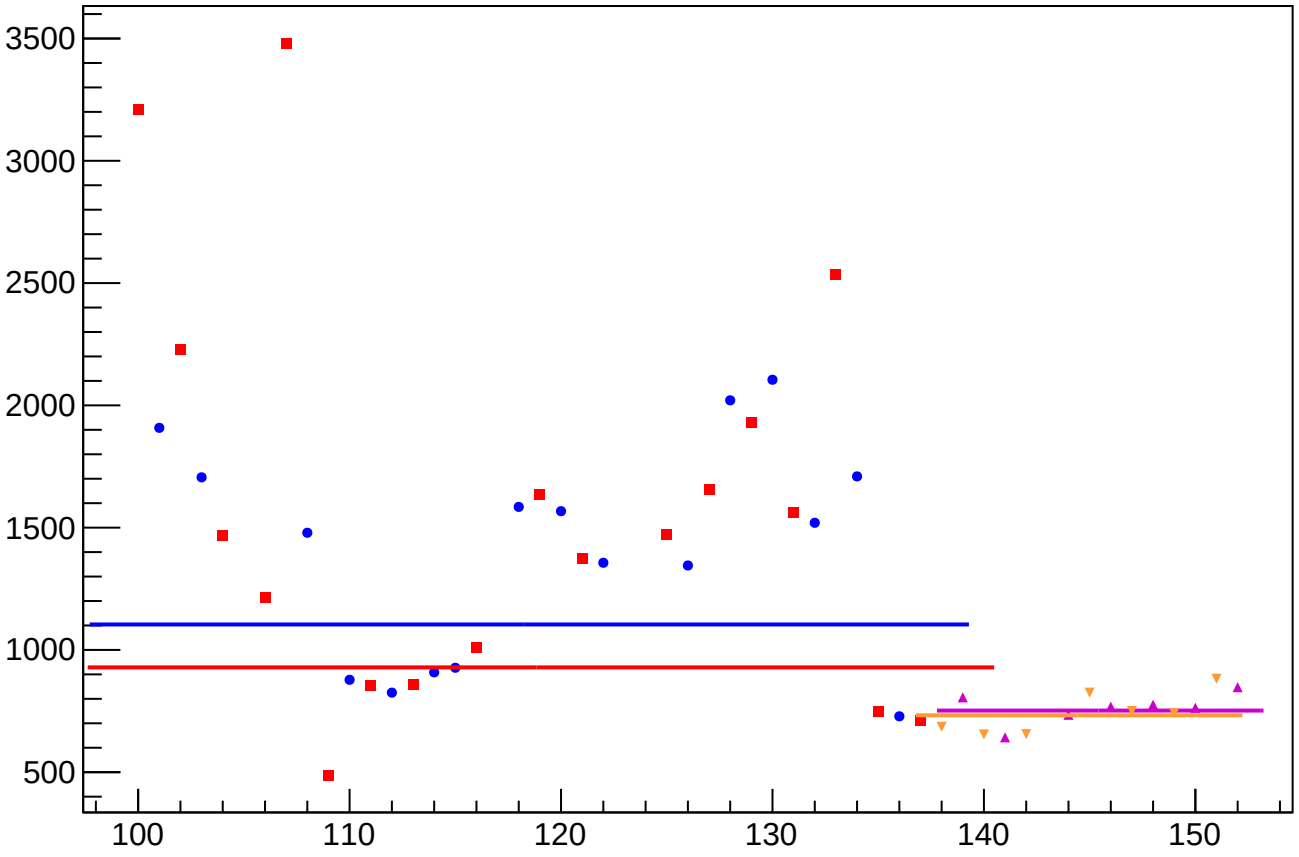
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -293.344+/-305.464 χ^2/NDF:5.7/6

+ sign -555.775+/-258.582 χ^2/NDF: 47.7/22

All: -538.119+/-176.534 χ^2/NDF: 65.4/47

- sign -522.707+/-241.597 χ^2/NDF: 17.7/24



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 732.665+/-0.225 χ^2/NDF:112740.9/6

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

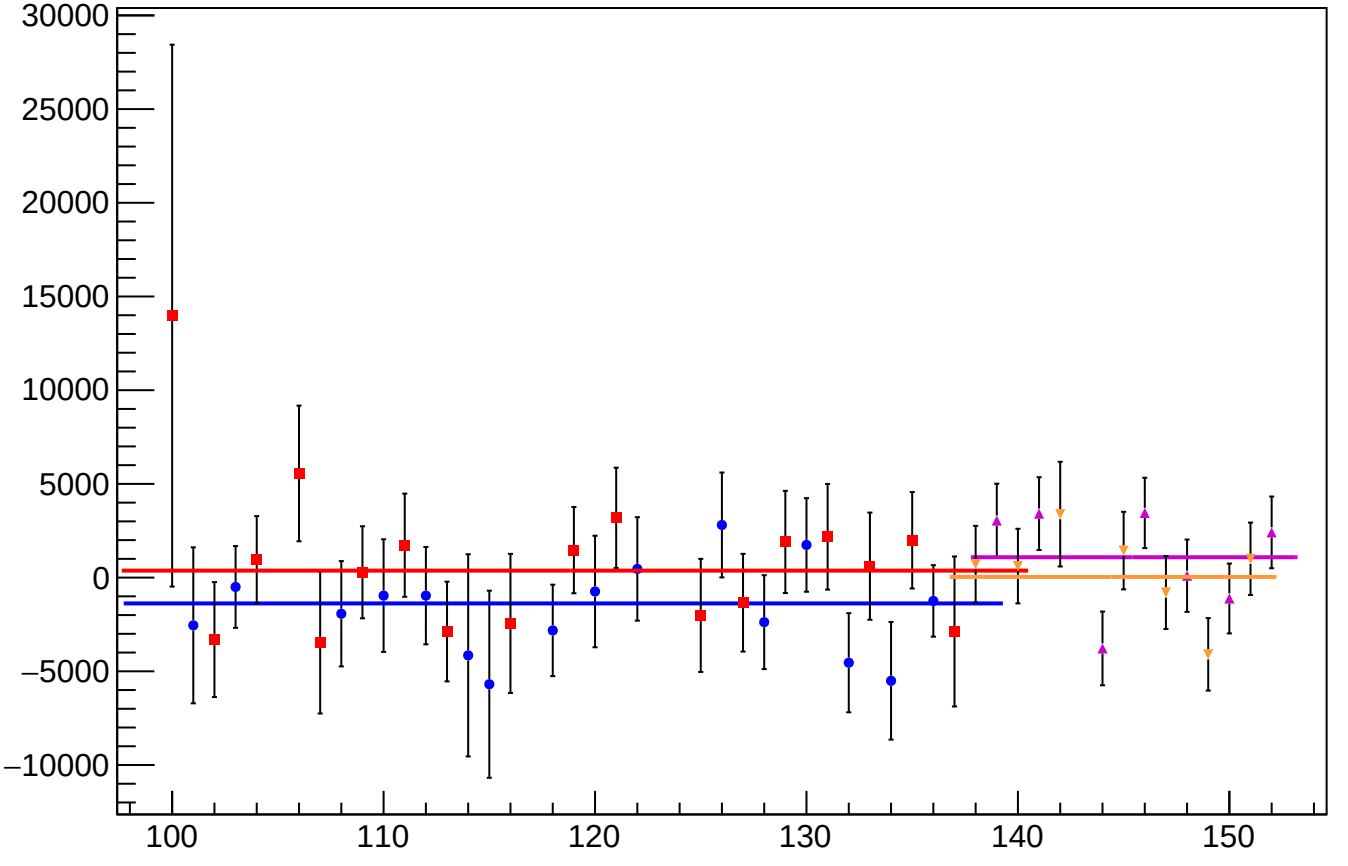
Left In: 752.019+/-0.216 χ^2/NDF:84328.8/6

+ sign 859.501+/-0.183 χ^2/NDF: 2935202.3/22

All: 837.423+/-0.125 χ^2/NDF: 6351563.3/47

- sign 818.151+/-0.171 χ^2/NDF: 3389053.8/24

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: 36.149+/-778.020 χ^2/NDF:7.1/6

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

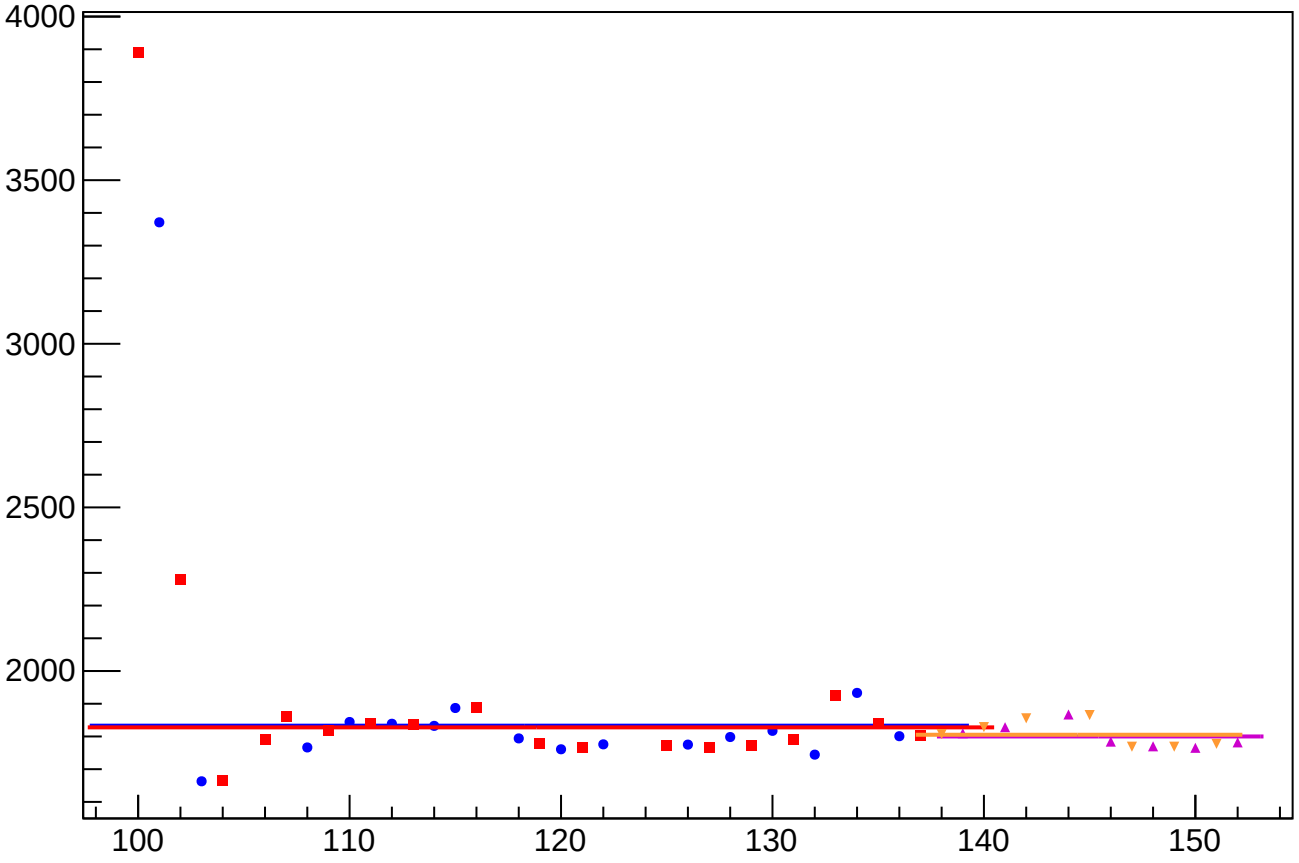
Left In: 1085.693+/-726.581 χ^2/NDF:12.3/6

+ sign -756.467+/-515.824 χ^2/NDF: 18.2/22

All: 1.129+/-358.346 χ^2/NDF: 47.1/47

- sign 707.817+/-498.192 χ^2/NDF: 24.7/24

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: 1805.210+/-0.550 χ^2/NDF:4447.4/6

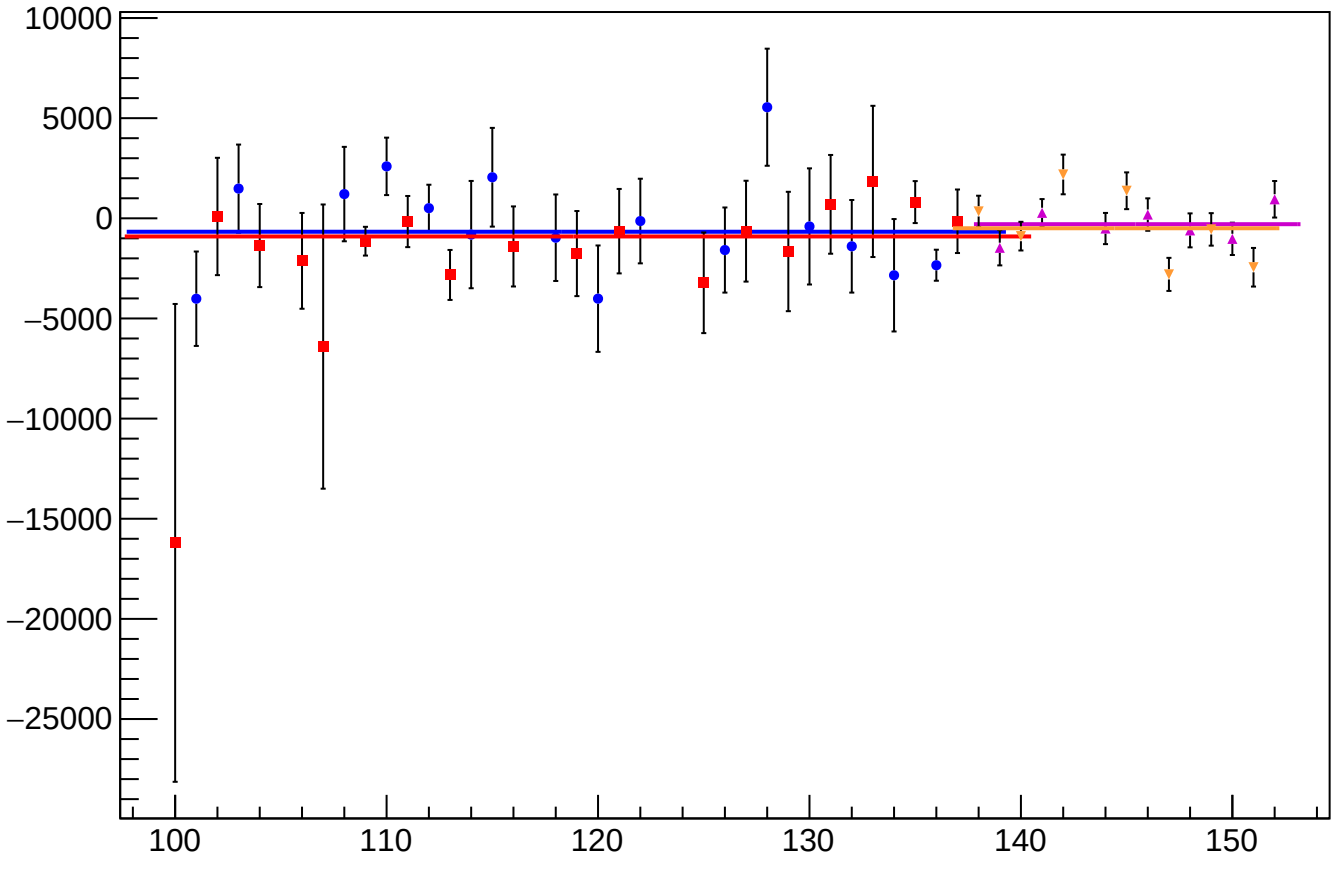
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1799.992+/-0.514 χ^2/NDF:4299.5/6

+ sign 1820.755+/-0.365 χ^2/NDF: 301313.2/22

All: 1817.632+/-0.253 χ^2/NDF: 409575.3/47

- sign 1814.718+/-0.352 χ^2/NDF: 108120.4/24



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -496.264+/-318.649 χ^2/NDF:24.8/6

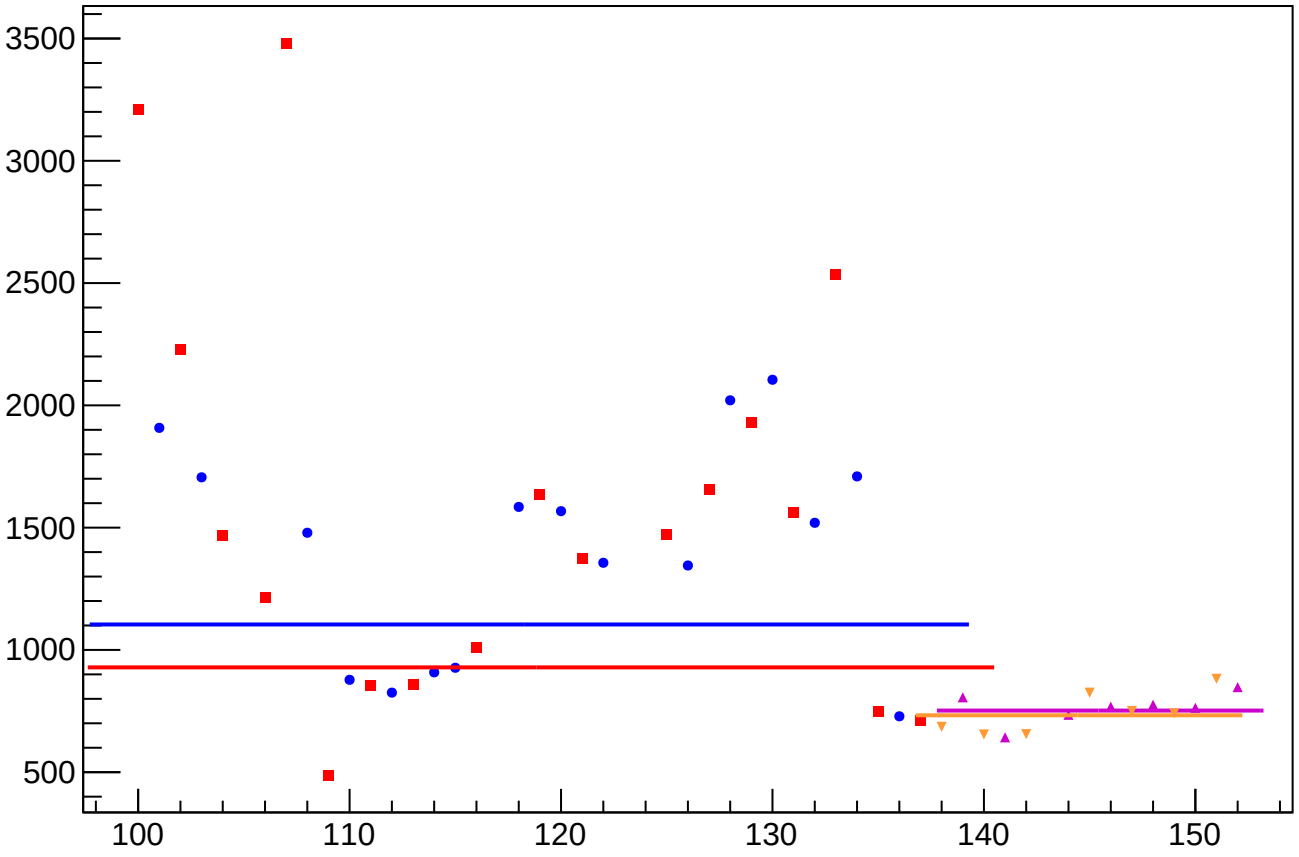
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -293.344+/-305.464 χ^2/NDF:5.7/6

+ sign -555.775+/-258.582 χ^2/NDF: 47.7/22

All: -538.119+/-176.534 χ^2/NDF: 65.4/47

- sign -522.707+/-241.597 χ^2/NDF: 17.7/24



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 732.665+/-0.225 χ^2/NDF:112740.9/6

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

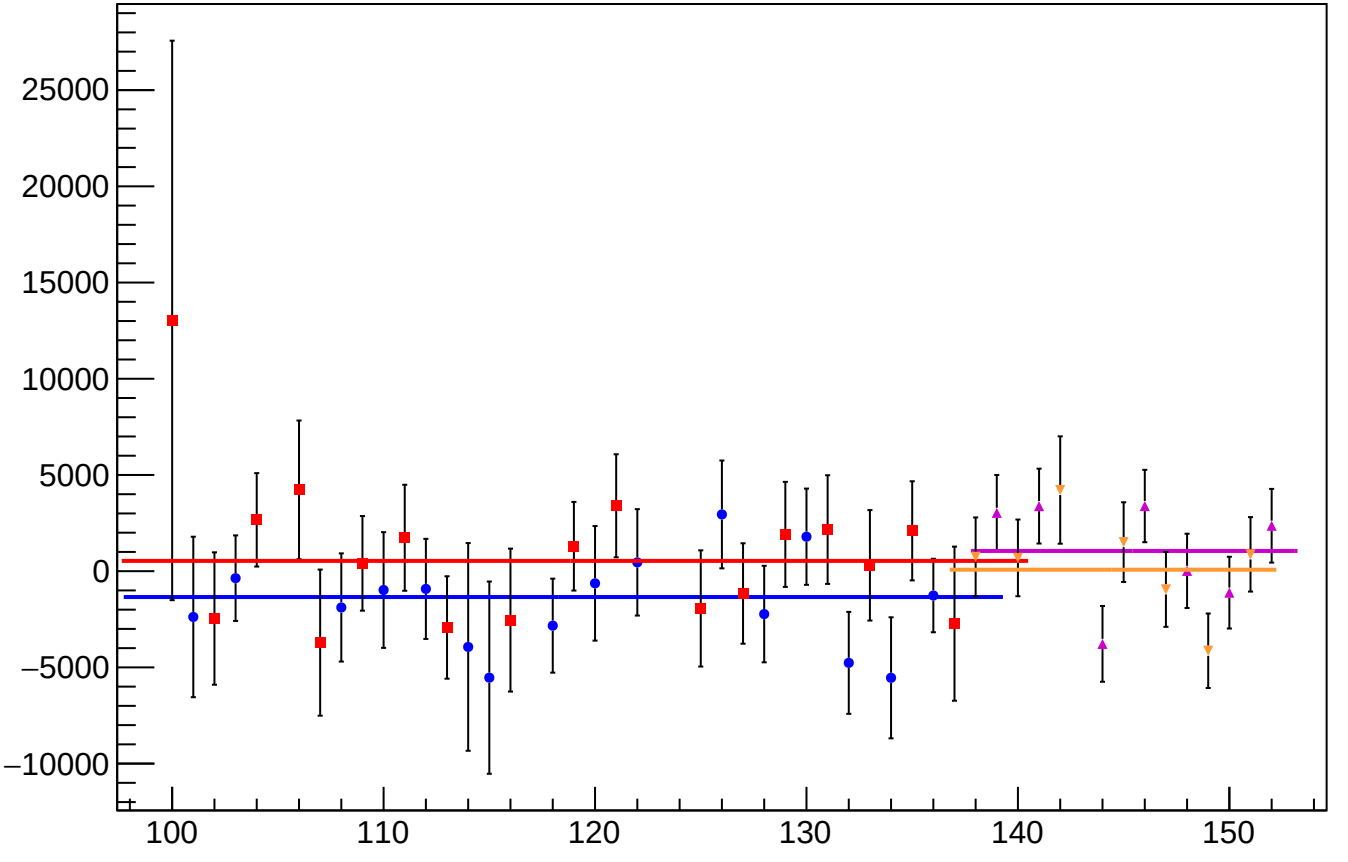
Left In: 752.019+/-0.216 χ^2/NDF:84328.8/6

+ sign 859.501+/-0.183 χ^2/NDF: 2935202.3/22

All: 837.423+/-0.125 χ^2/NDF: 6351563.3/47

- sign 818.151+/-0.171 χ^2/NDF: 3389053.8/24

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 75.583+/-778.408 χ^2/NDF:8.1/6

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

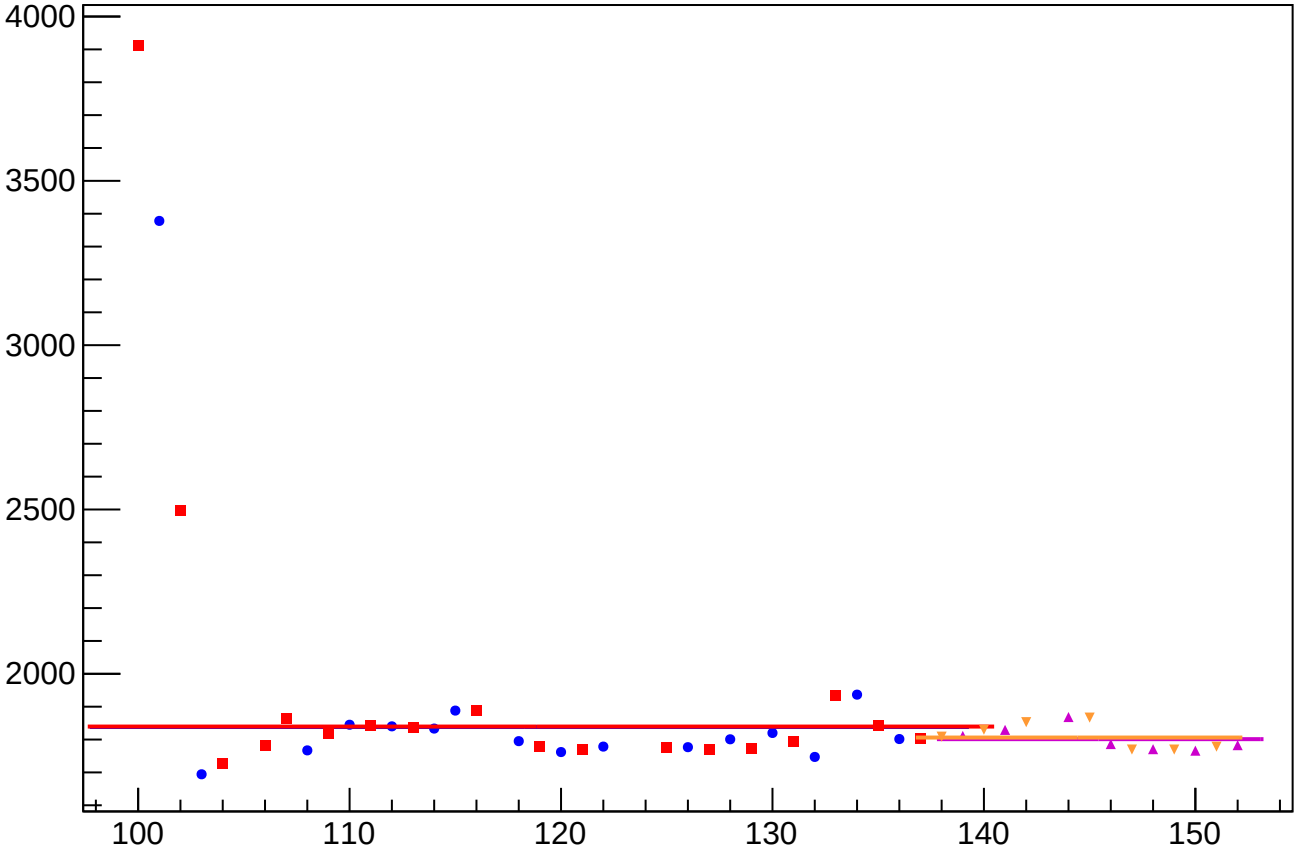
Left In: 1049.971+/-727.066 χ^2/NDF:12.1/6

+ sign -718.388+/-516.737 χ^2/NDF: 19.5/22

All: 53.637+/-359.645 χ^2/NDF: 47.4/47

- sign 778.962+/-500.865 χ^2/NDF: 23.5/24

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1806.087+/-0.550 χ^2/NDF:4395.1/6

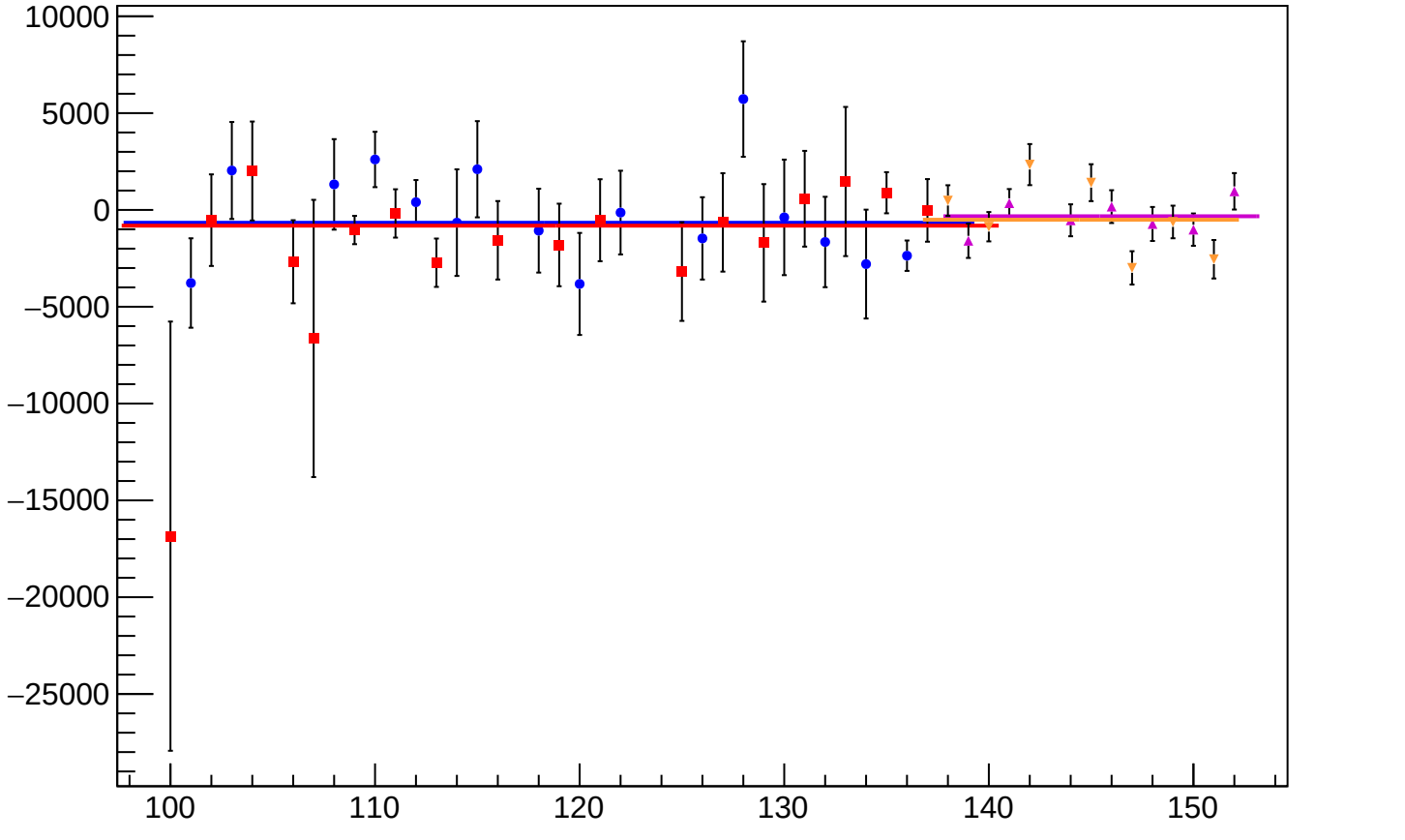
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1801.190+/-0.514 χ^2/NDF:4321.6/6

\+ sign 1824.026+/-0.365 χ^2/NDF: 298278.1/22

All: 1822.635+/-0.254 χ^2/NDF: 433801.6/47

\- sign 1821.329+/-0.354 χ^2/NDF: 135495.4/24



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -507.185+/-331.663 χ^2/NDF:25.6/6

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

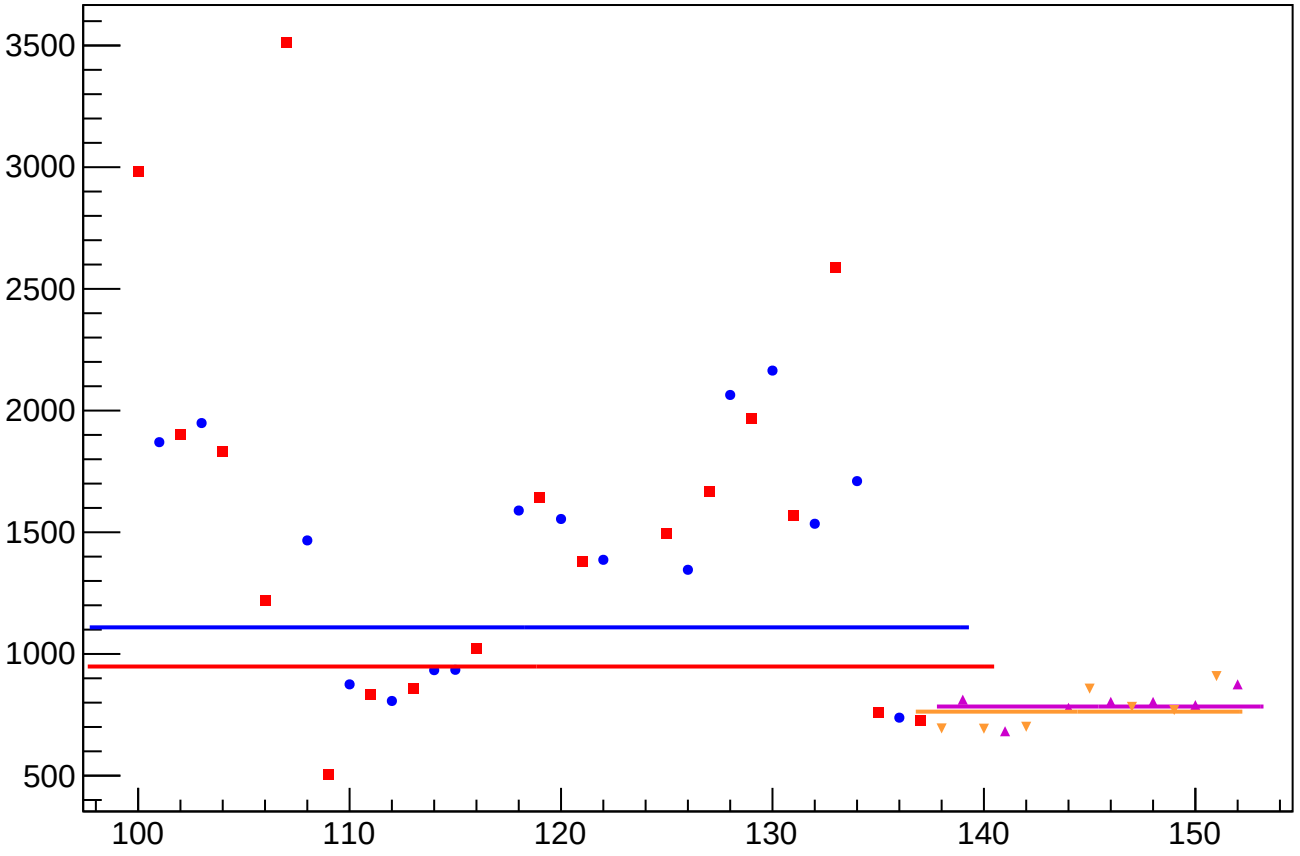
Left In: -326.872+/-318.092 χ^2/NDF:6.1/6

+ sign -562.858+/-266.120 χ^2/NDF: 48.4/22

All: -538.080+/-181.542 χ^2/NDF: 67.7/47

- sign -516.512+/-248.284 χ^2/NDF: 19.2/24

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: 763.047+/-0.235 χ^2/NDF:103059.6/6

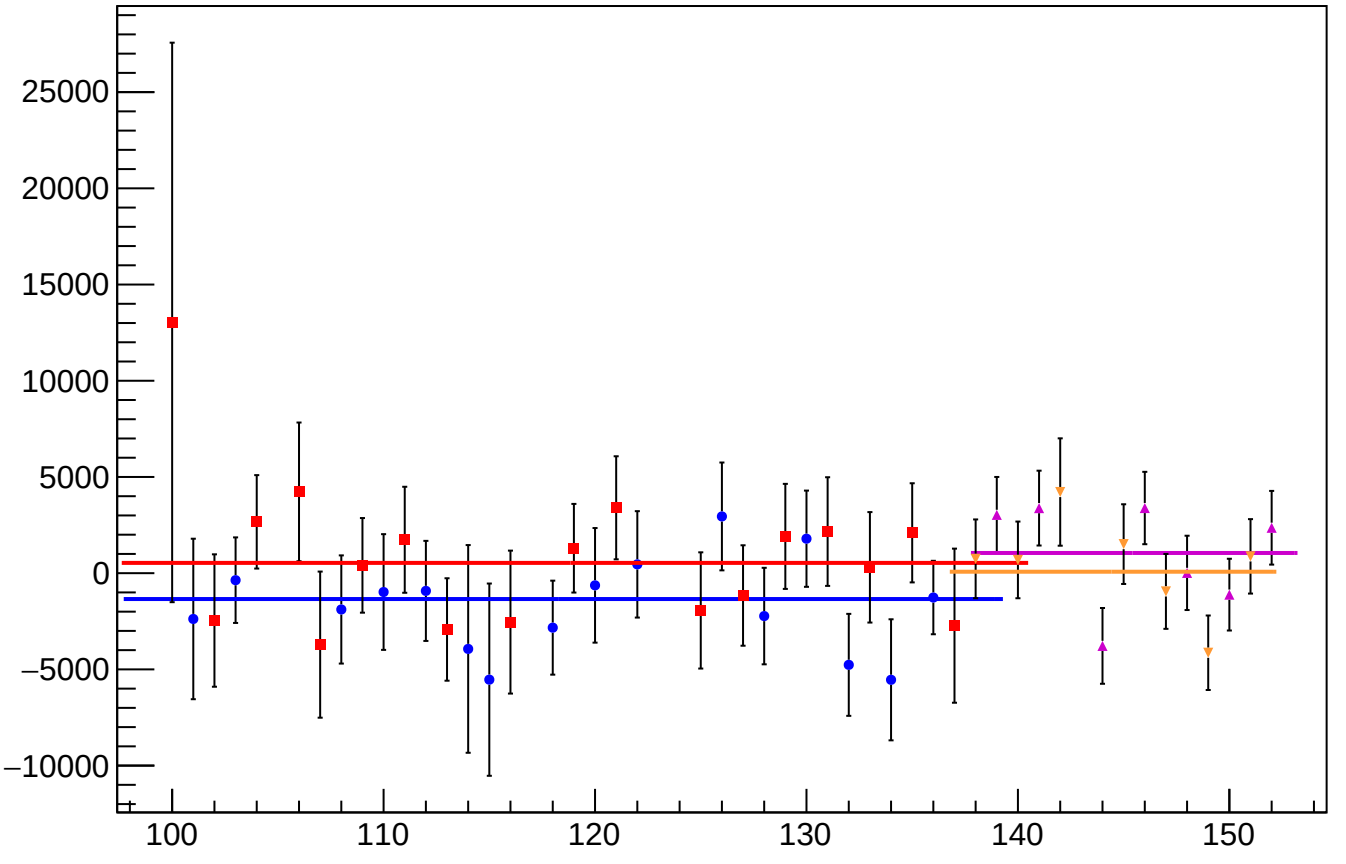
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 784.075+/-0.225 χ^2/NDF:61809.9/6

+ sign 886.399+/-0.188 χ^2/NDF: 2853122.3/22

All: 866.031+/-0.128 χ^2/NDF: 6199175.7/47

- sign 848.301+/-0.176 χ^2/NDF: 3324139.5/24



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: 75.584+/-778.408 χ^2/NDF:8.1/6

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

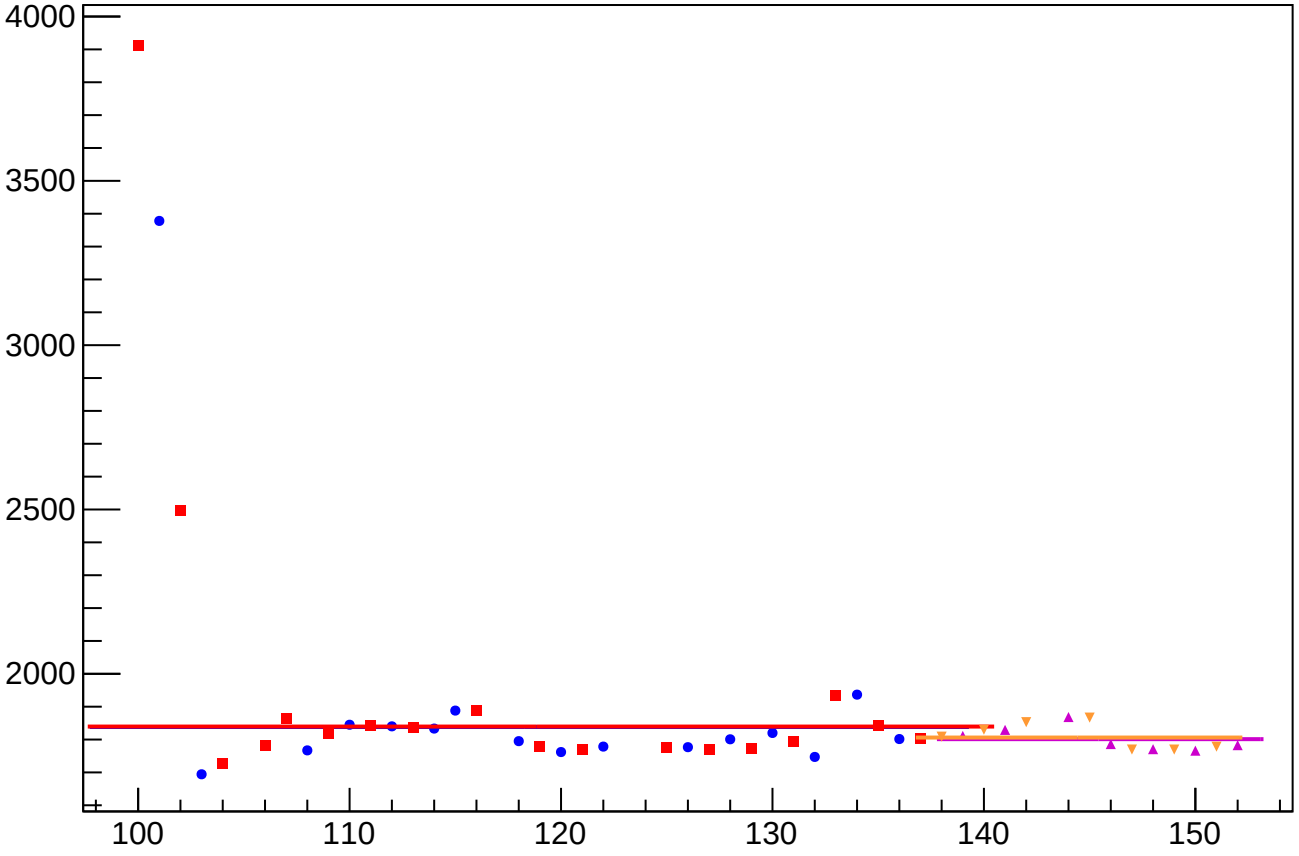
Left In: 1049.967+/-727.066 χ^2/NDF:12.1/6

+ sign -718.389+/-516.737 χ^2/NDF: 19.5/22

All: 53.637+/-359.645 χ^2/NDF: 47.4/47

- sign 778.963+/-500.865 χ^2/NDF: 23.5/24

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: 1806.087+/-0.550 χ^2/NDF:4395.1/6

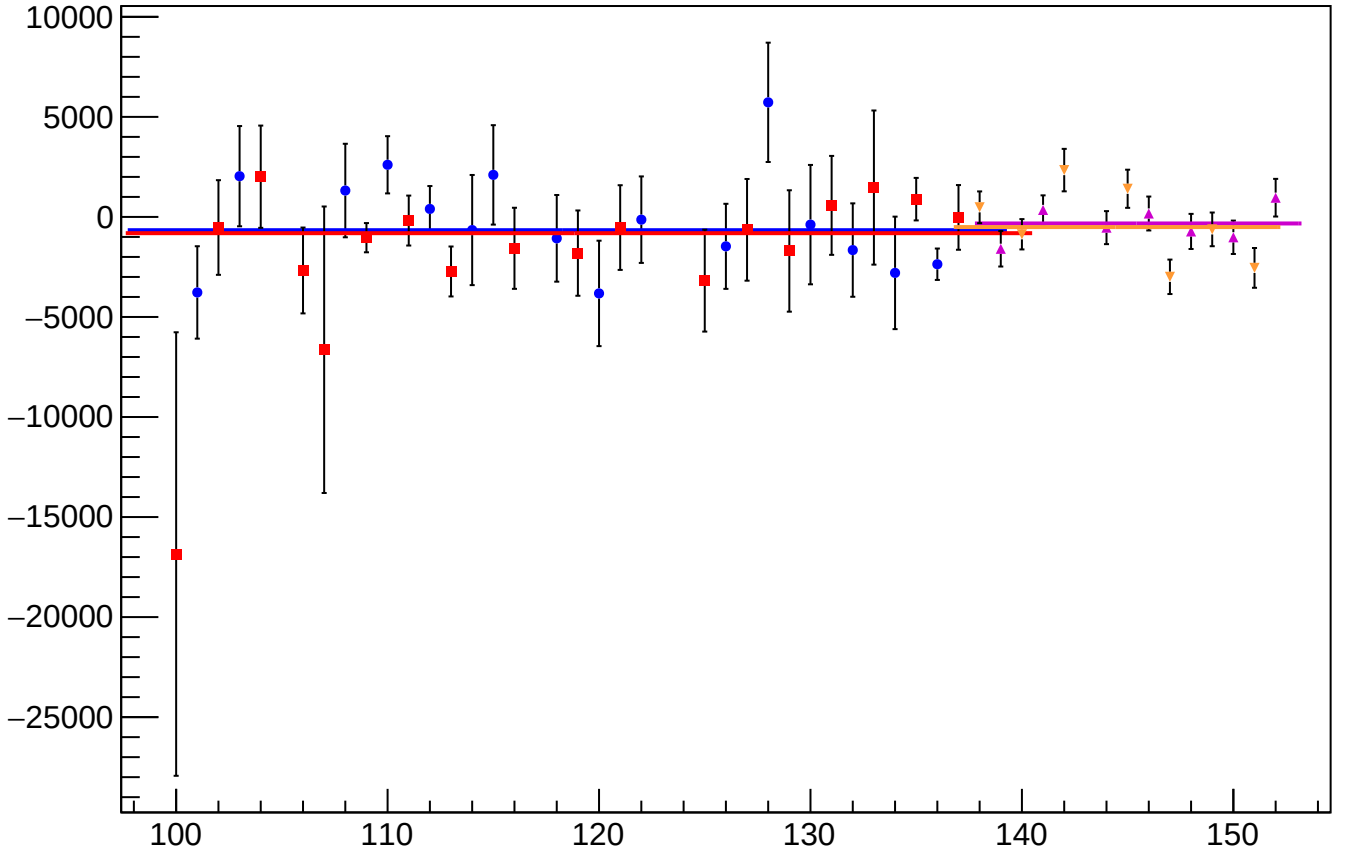
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1801.190+/-0.514 χ^2/NDF:4321.6/6

+ sign 1824.026+/-0.365 χ^2/NDF: 298278.1/22

All: 1822.635+/-0.254 χ^2/NDF: 433801.6/47

- sign 1821.329+/-0.354 χ^2/NDF: 135495.5/24



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -507.193+/-331.665 χ^2/NDF:25.6/6

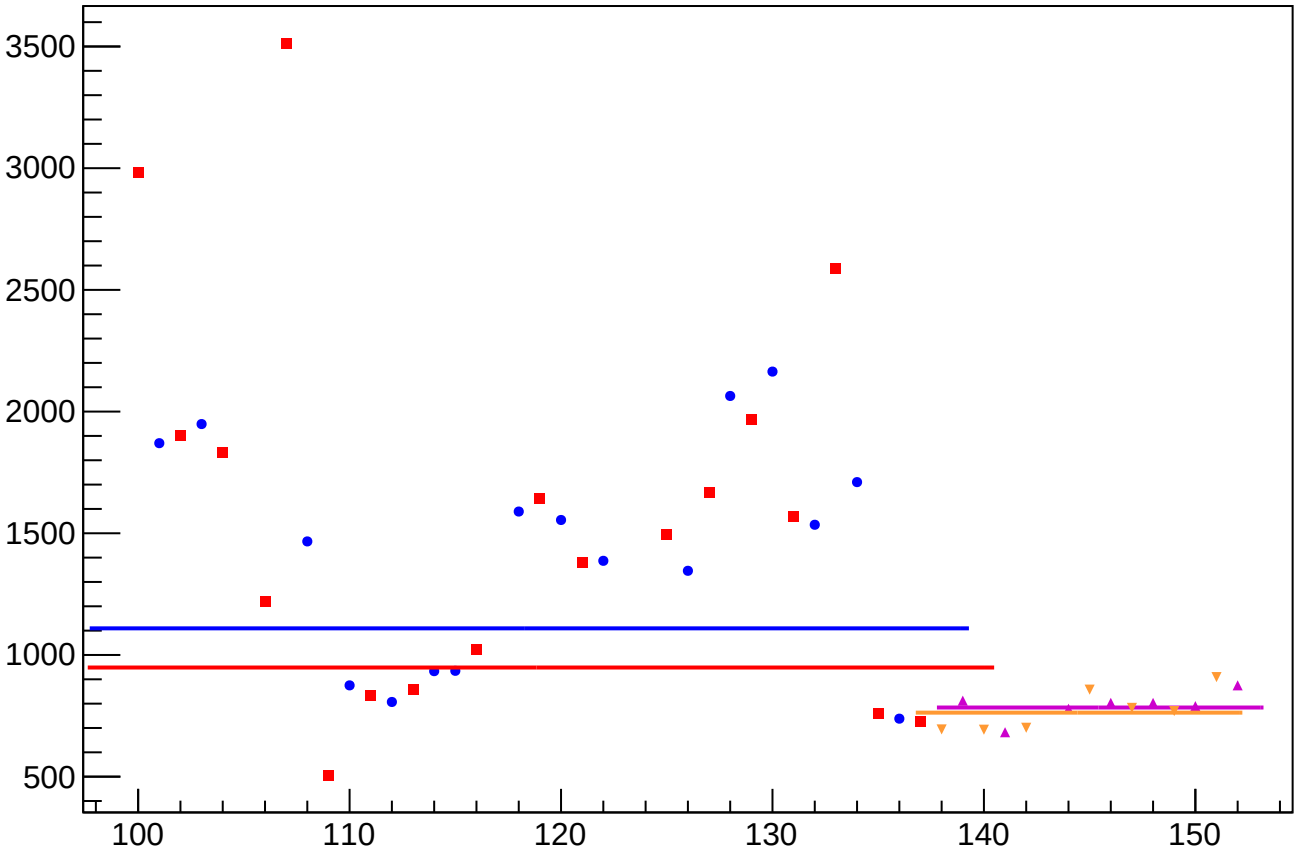
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -326.870+/-318.093 χ^2/NDF:6.1/6

+ sign -562.859+/-266.121 χ^2/NDF: 48.4/22

All: -538.081+/-181.542 χ^2/NDF: 67.7/47

- sign -516.514+/-248.284 χ^2/NDF: 19.2/24



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 763.051+/-0.235 χ^2/NDF:103050.3/6

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

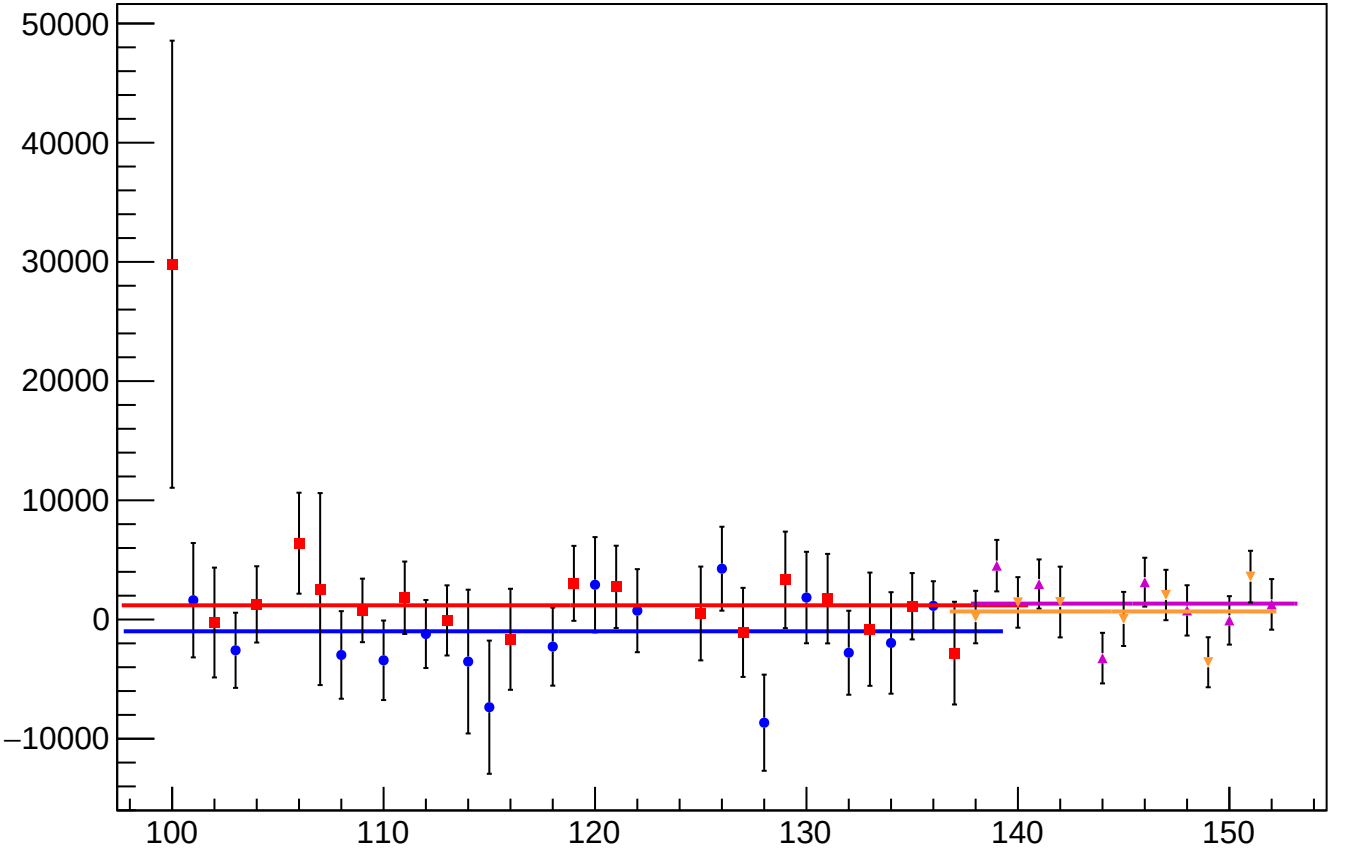
Left In: 784.077+/-0.225 χ^2/NDF:61809.9/6

+ sign 886.403+/-0.188 χ^2/NDF: 2853065.1/22

All: 866.033+/-0.128 χ^2/NDF: 6199097.7/47

- sign 848.303+/-0.176 χ^2/NDF: 3324116.0/24

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 678.248+/-845.030 χ^2/NDF:6.7/6

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

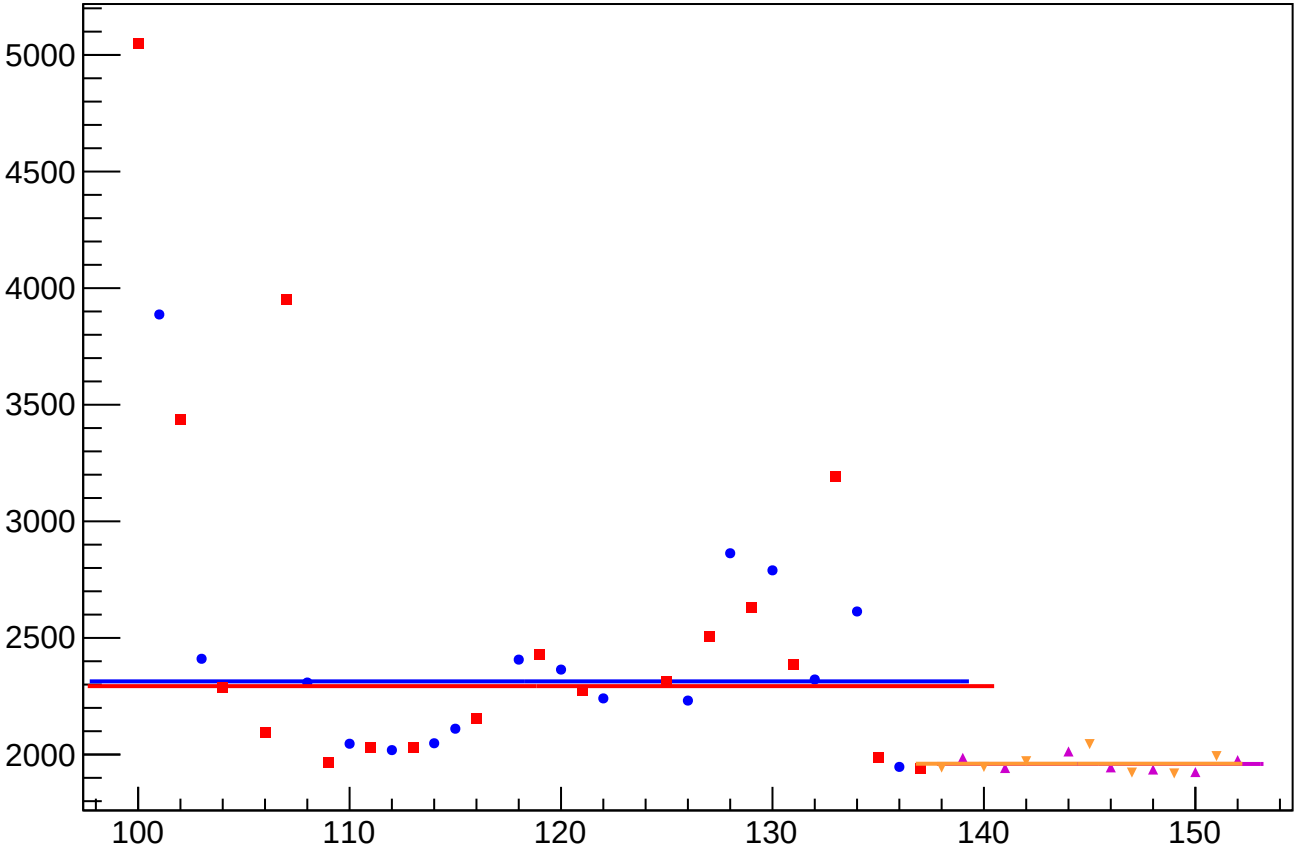
Left In: 1334.595+/-791.001 χ^2/NDF:8.8/6

+ sign -126.730+/-607.456 χ^2/NDF: 20.5/22

All: 597.551+/-421.520 χ^2/NDF: 39.0/47

- sign 1270.177+/-585.394 χ^2/NDF: 15.8/24

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1960.540+/-0.598 χ^2/NDF:4865.3/6

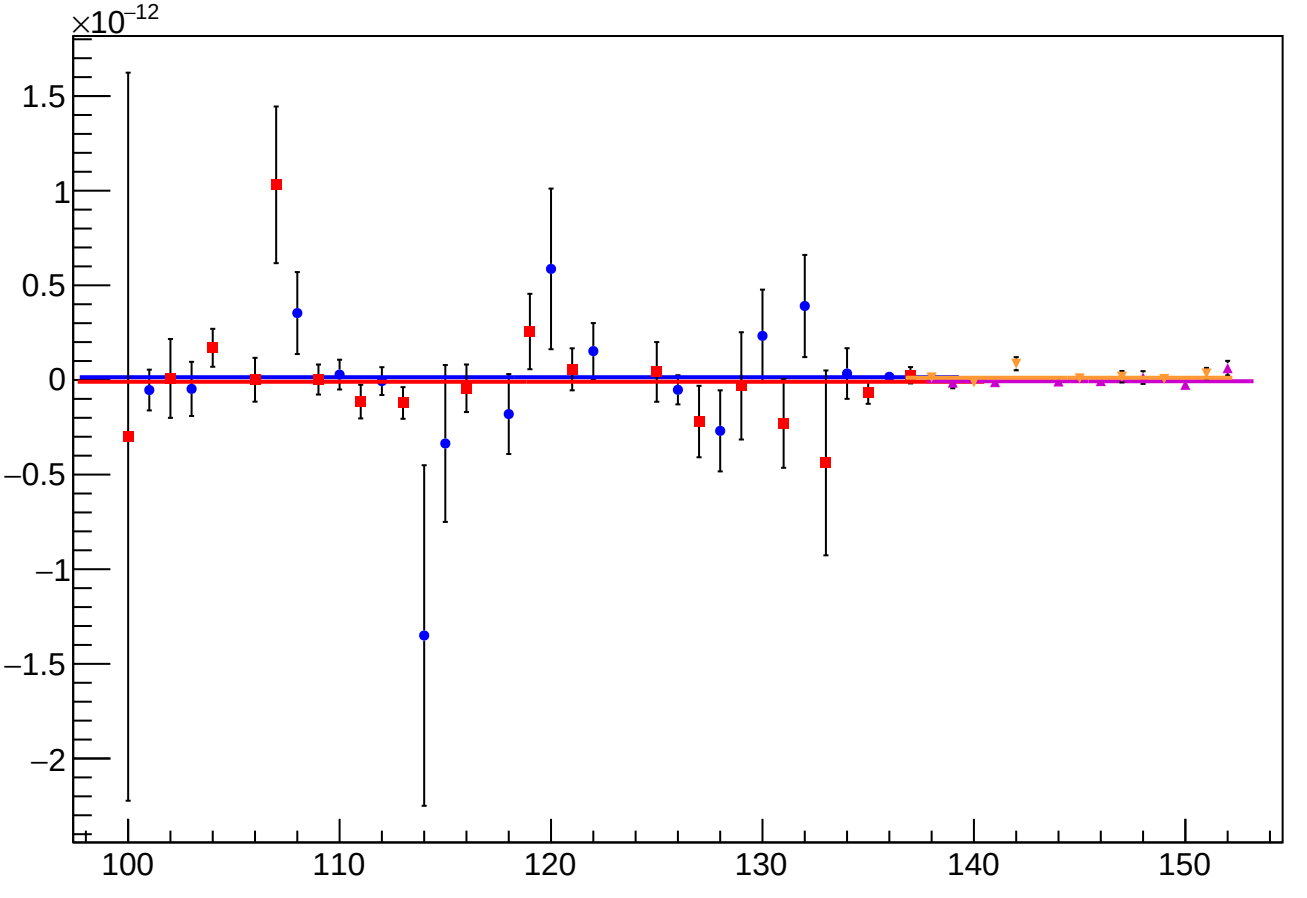
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1959.564+/-0.559 χ^2/NDF:2777.0/6

+ sign 2131.222+/-0.430 χ^2/NDF: 576469.9/22

All: 2120.479+/-0.298 χ^2/NDF: 1194662.8/47

- sign 2110.502+/-0.414 χ^2/NDF: 616986.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/6

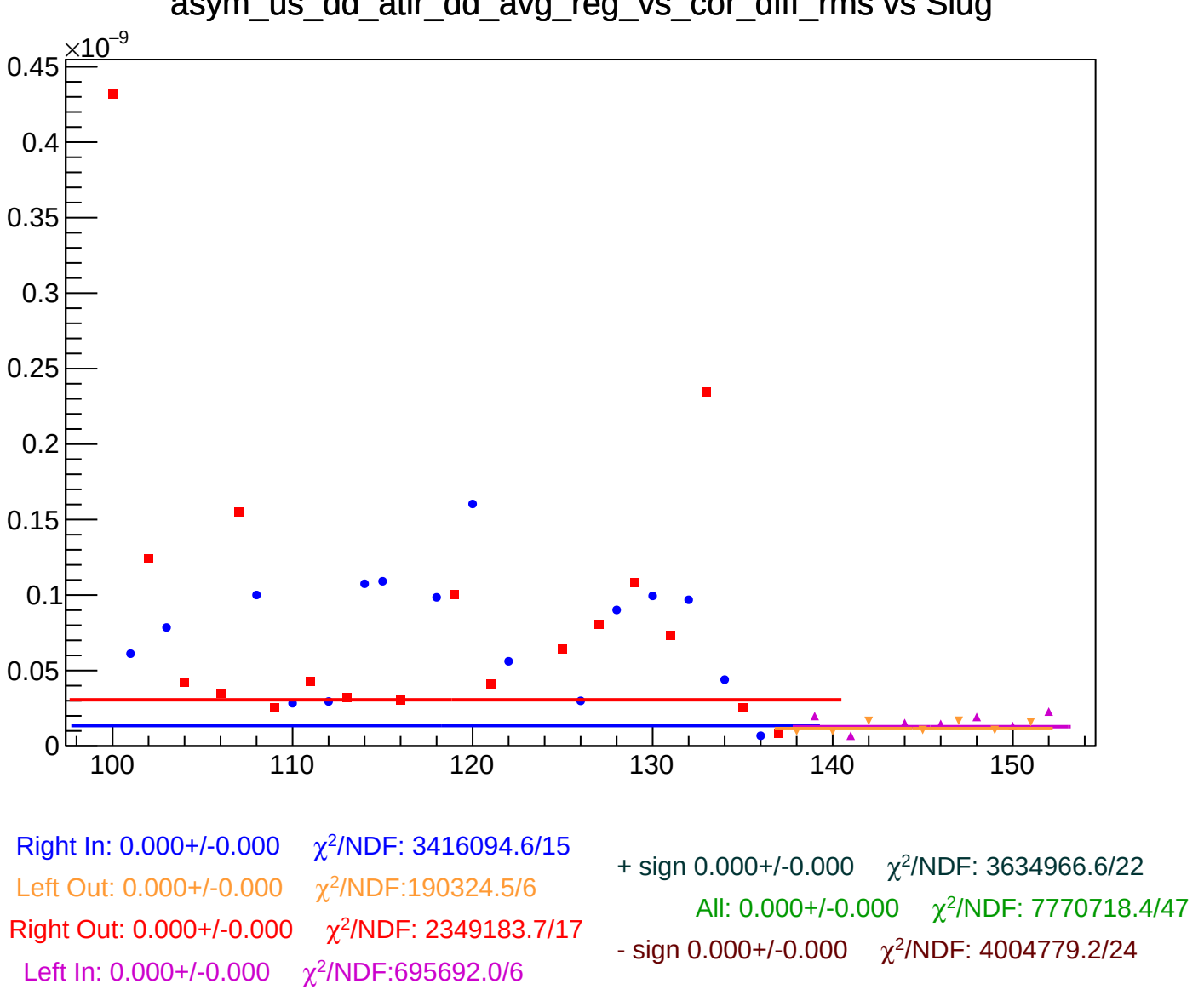
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:4.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 22.2/22

All: 0.000+/-0.000 χ^2/NDF: 49.1/47

- sign -0.000+/-0.000 χ^2/NDF: 23.8/24


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
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0.15
0.1
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100
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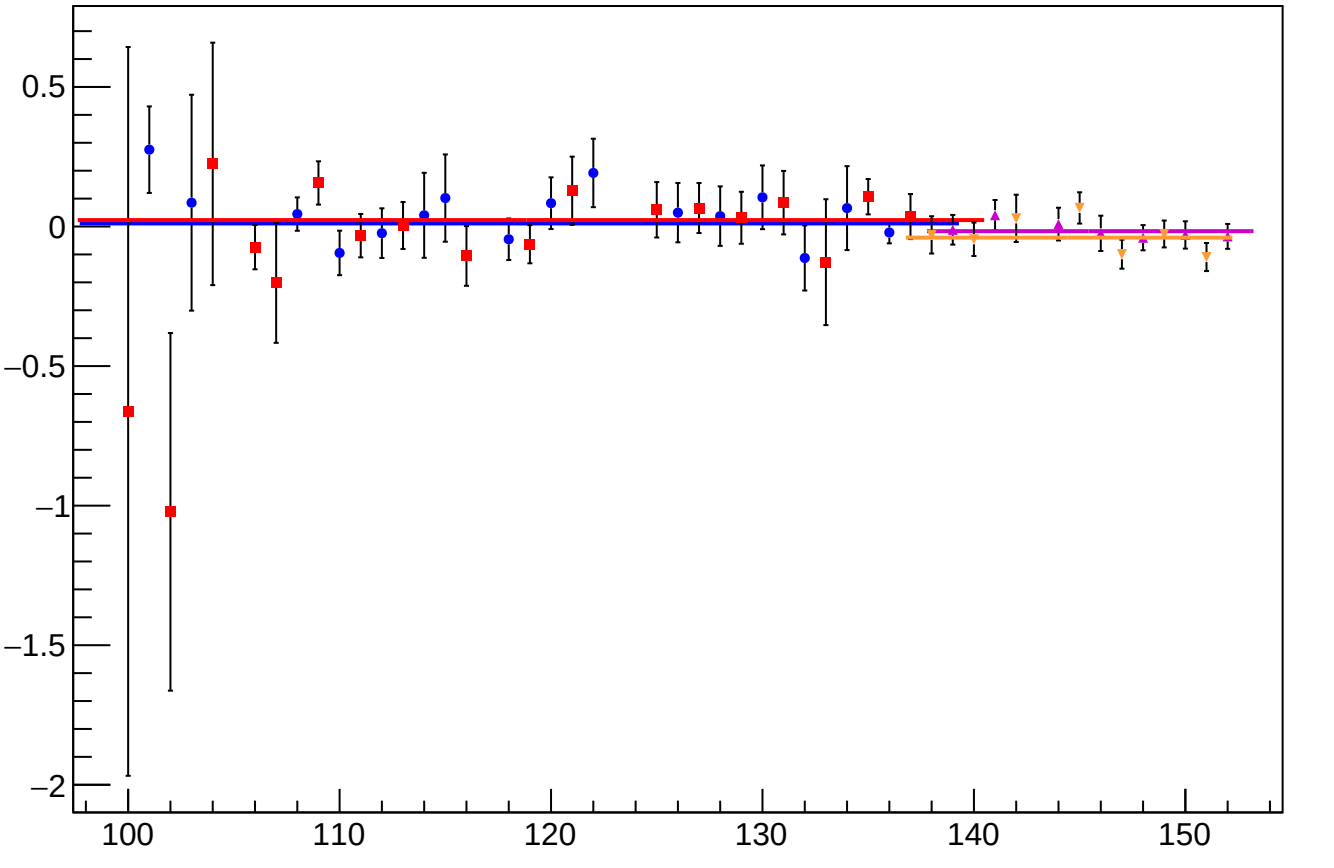
150
Right In: 0.000+/-0.000 χ²/NDF: 3416094.6/15
Left Out: 0.000+/-0.000 χ²/NDF:190324.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:695692.0/6
+ sign 0.000+/-0.000 χ²/NDF: 3634966.6/22
All: 0.000+/-0.000 χ²/NDF: 7770718.4/47
- sign 0.000+/-0.000 χ²/NDF: 4004779.2/24



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.040+/-0.022 χ^2/NDF:7.6/6

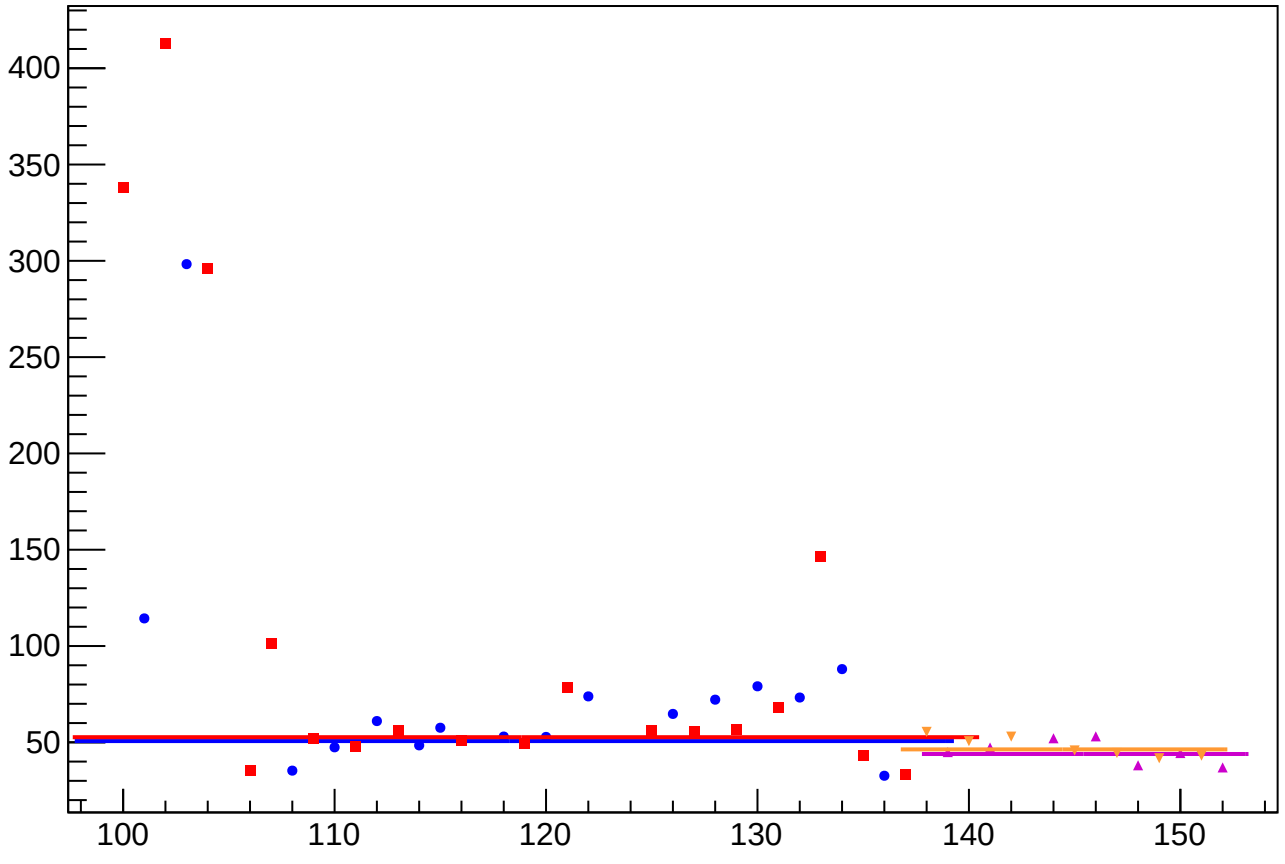
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.017+/-0.019 χ^2/NDF:1.8/6

+ sign -0.015+/-0.015 χ^2/NDF: 22.1/22

All: -0.007+/-0.011 χ^2/NDF: 42.1/47

- sign -0.000+/-0.015 χ^2/NDF: 19.5/24



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.333+/-0.015 χ^2/NDF:88942.1/6

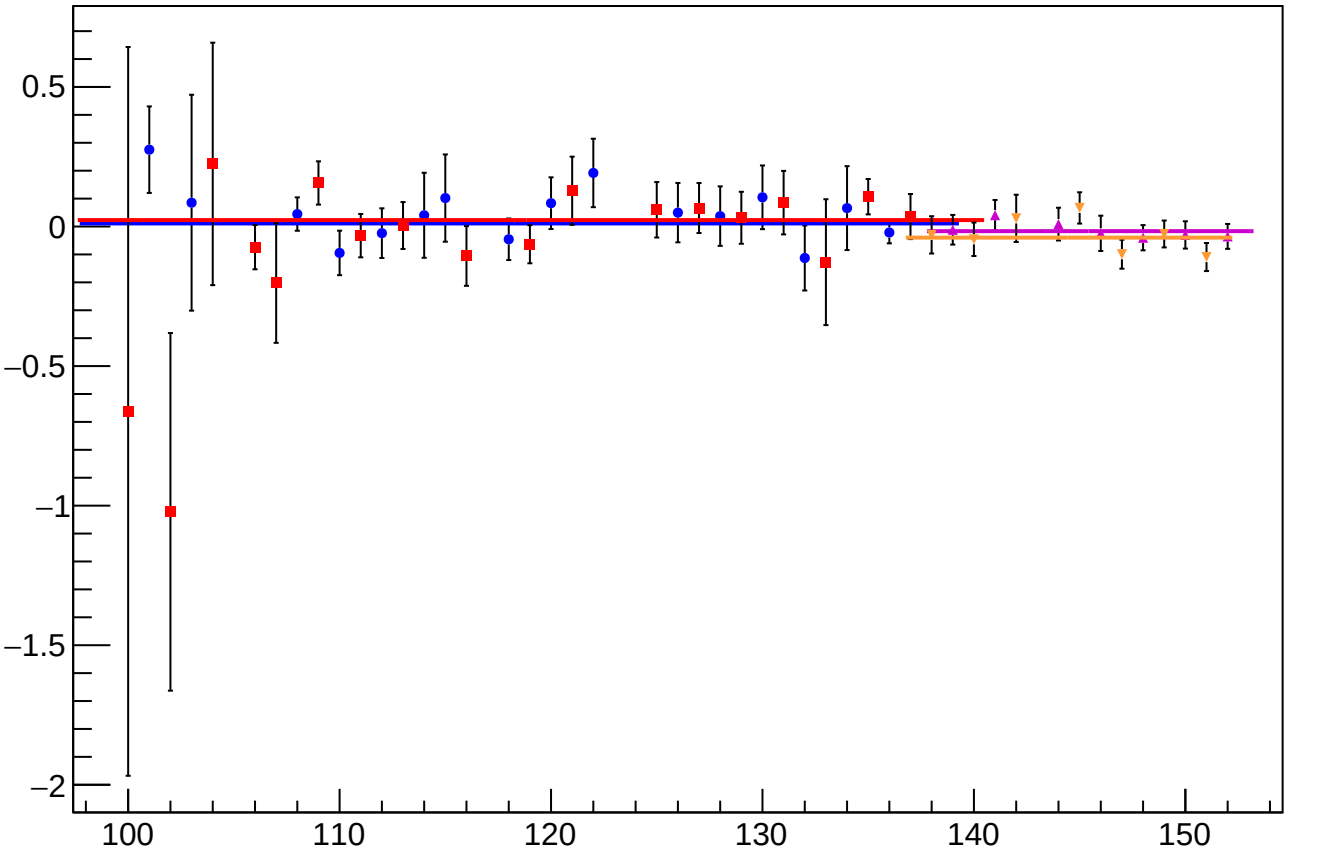
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 43.936+/-0.014 χ^2/NDF:171917.4/6

+ sign 48.454+/-0.011 χ^2/NDF: 2394897.6/22

All: 47.990+/-0.008 χ^2/NDF: 4949401.6/47

- sign 47.554+/-0.011 χ^2/NDF: 2550959.3/24



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.040+/-0.022 χ^2/NDF:7.6/6

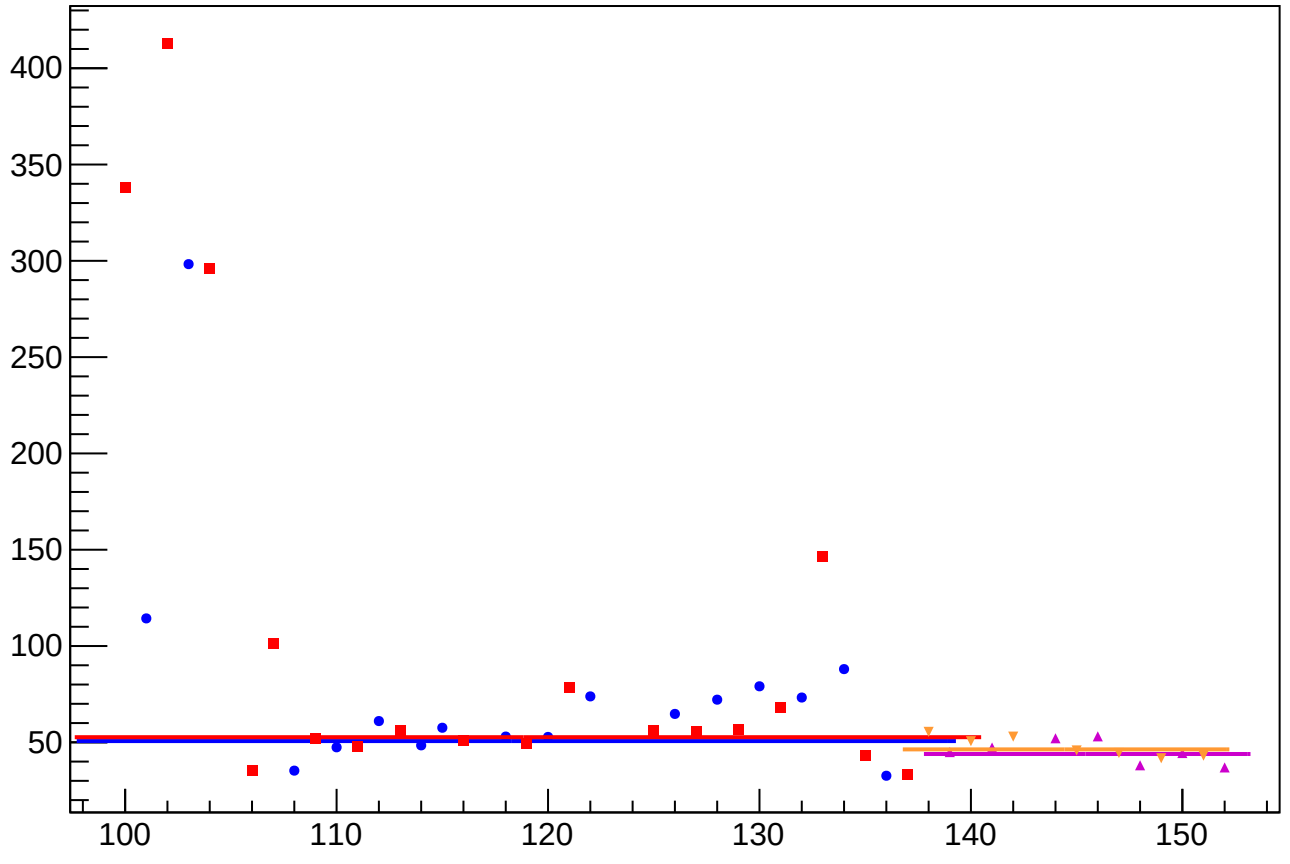
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.017+/-0.019 χ^2/NDF:1.8/6

+ sign -0.015+/-0.015 χ^2/NDF: 22.1/22

All: -0.007+/-0.011 χ^2/NDF: 42.1/47

- sign -0.000+/-0.015 χ^2/NDF: 19.5/24



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.333+/-0.015 χ^2/NDF:88942.1/6

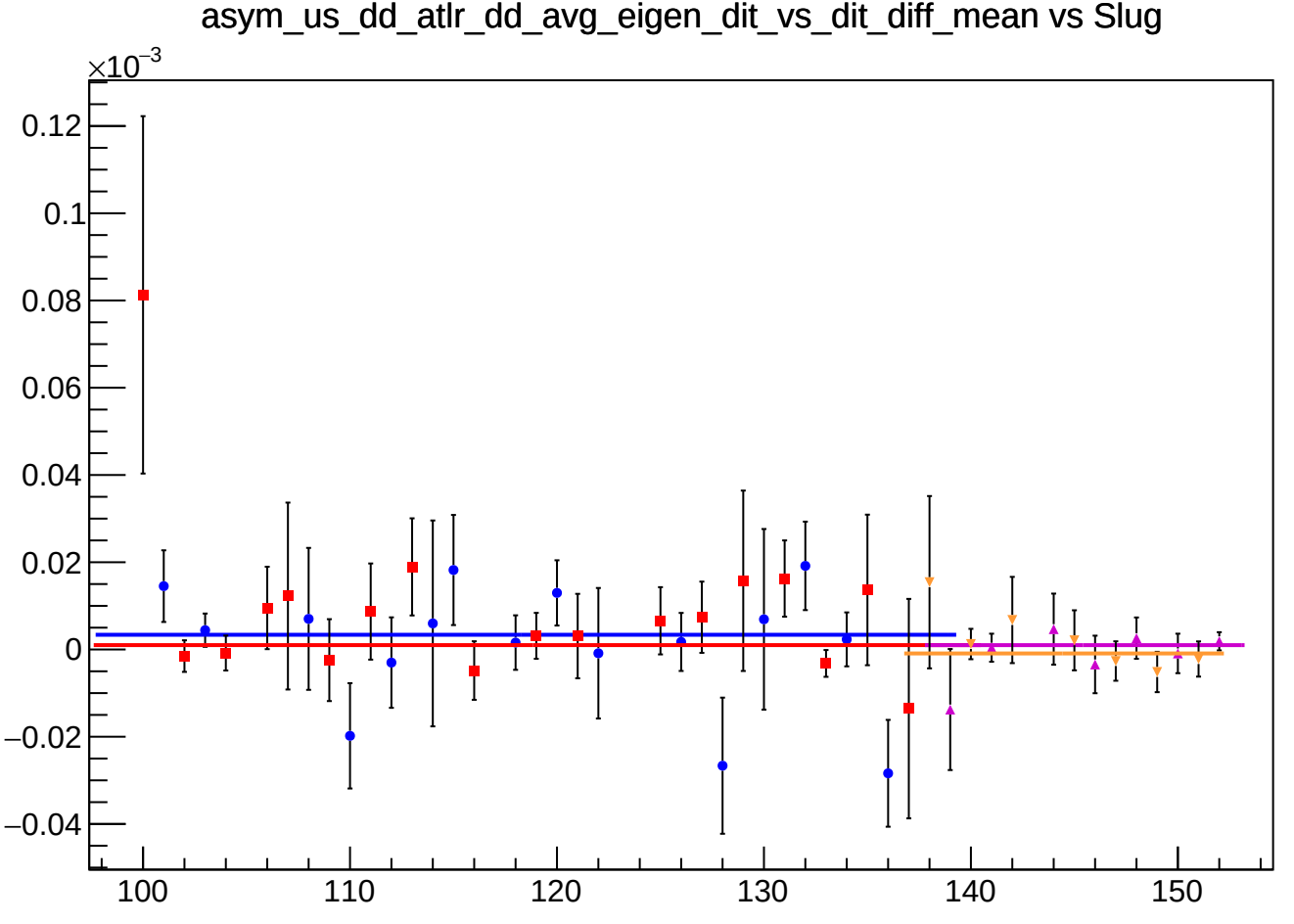
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 43.936+/-0.014 χ^2/NDF:171917.4/6

+ sign 48.454+/-0.011 χ^2/NDF: 2394897.6/22

All: 47.990+/-0.008 χ^2/NDF: 4949401.6/47

- sign 47.554+/-0.011 χ^2/NDF: 2550959.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/6

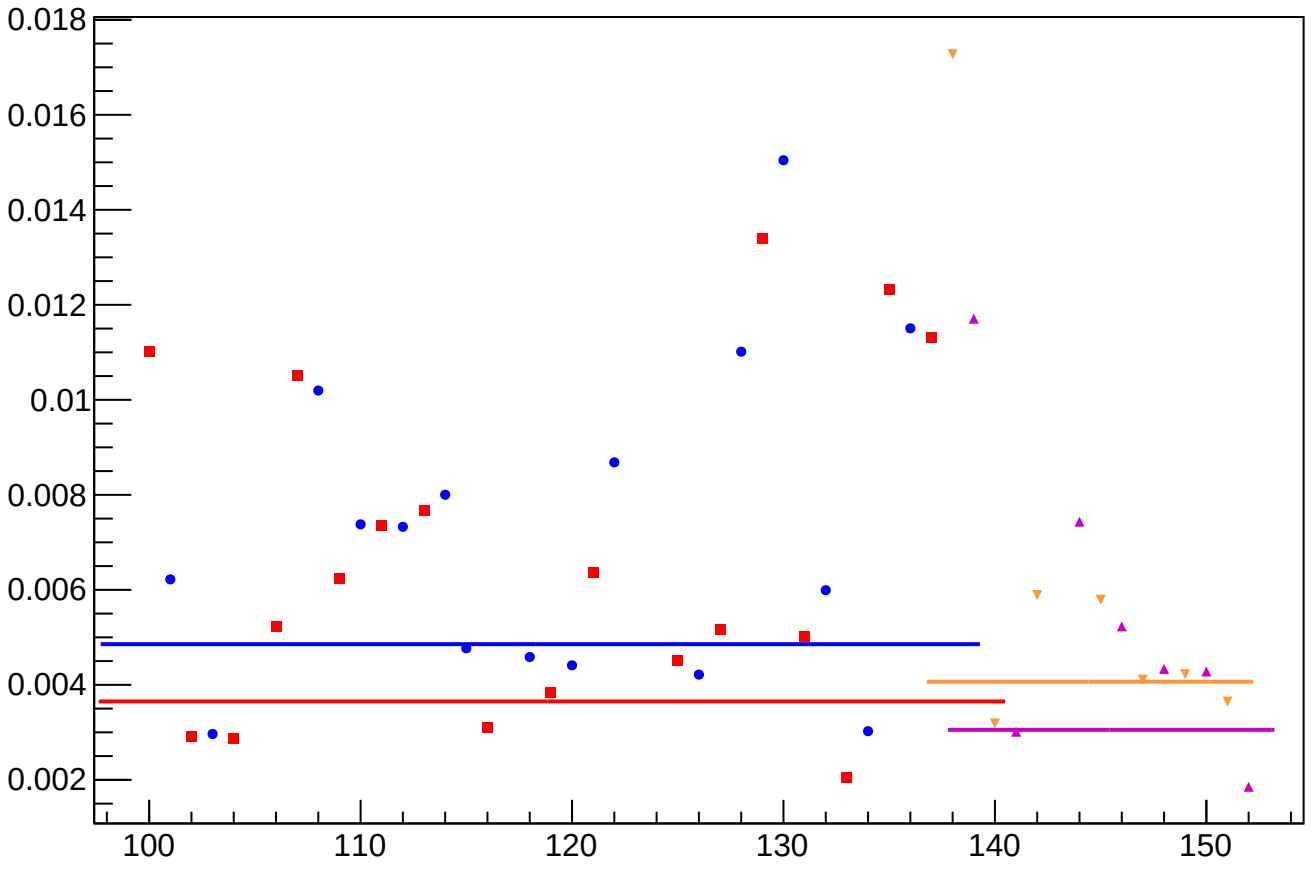
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 27.5/22

All: 0.000+/-0.000 χ^2/NDF: 47.0/47

- sign 0.000+/-0.000 χ^2/NDF: 19.5/24



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1239956.6/6

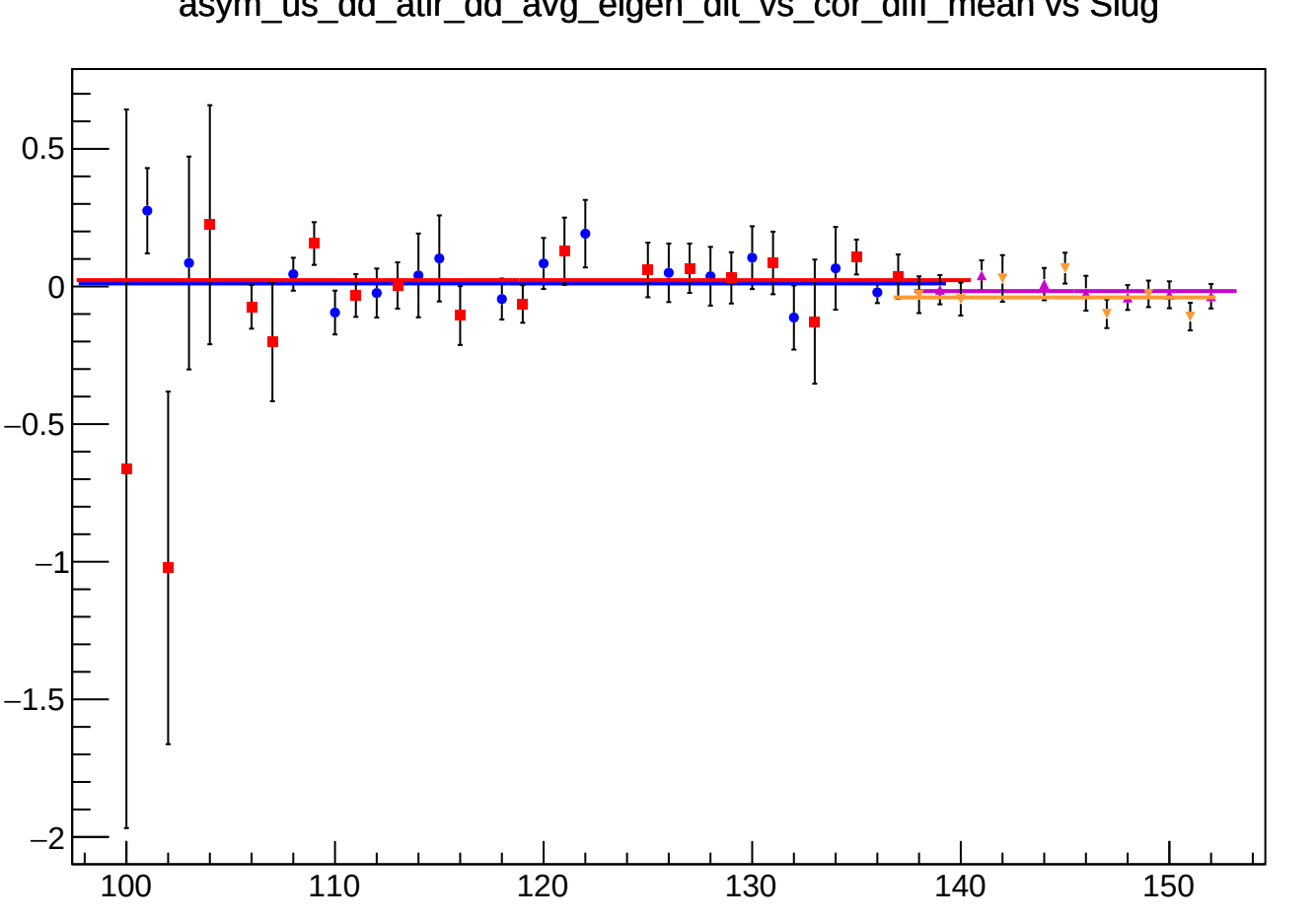
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.003+/-0.000 χ^2/NDF:2528033.6/6

+ sign 0.004+/-0.000 χ^2/NDF: 4141723.3/22

All: 0.004+/-0.000 χ^2/NDF: 10699723.6/47

- sign 0.003+/-0.000 χ^2/NDF: 5791693.6/24



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.040+/-0.022 χ^2/NDF:7.6/6

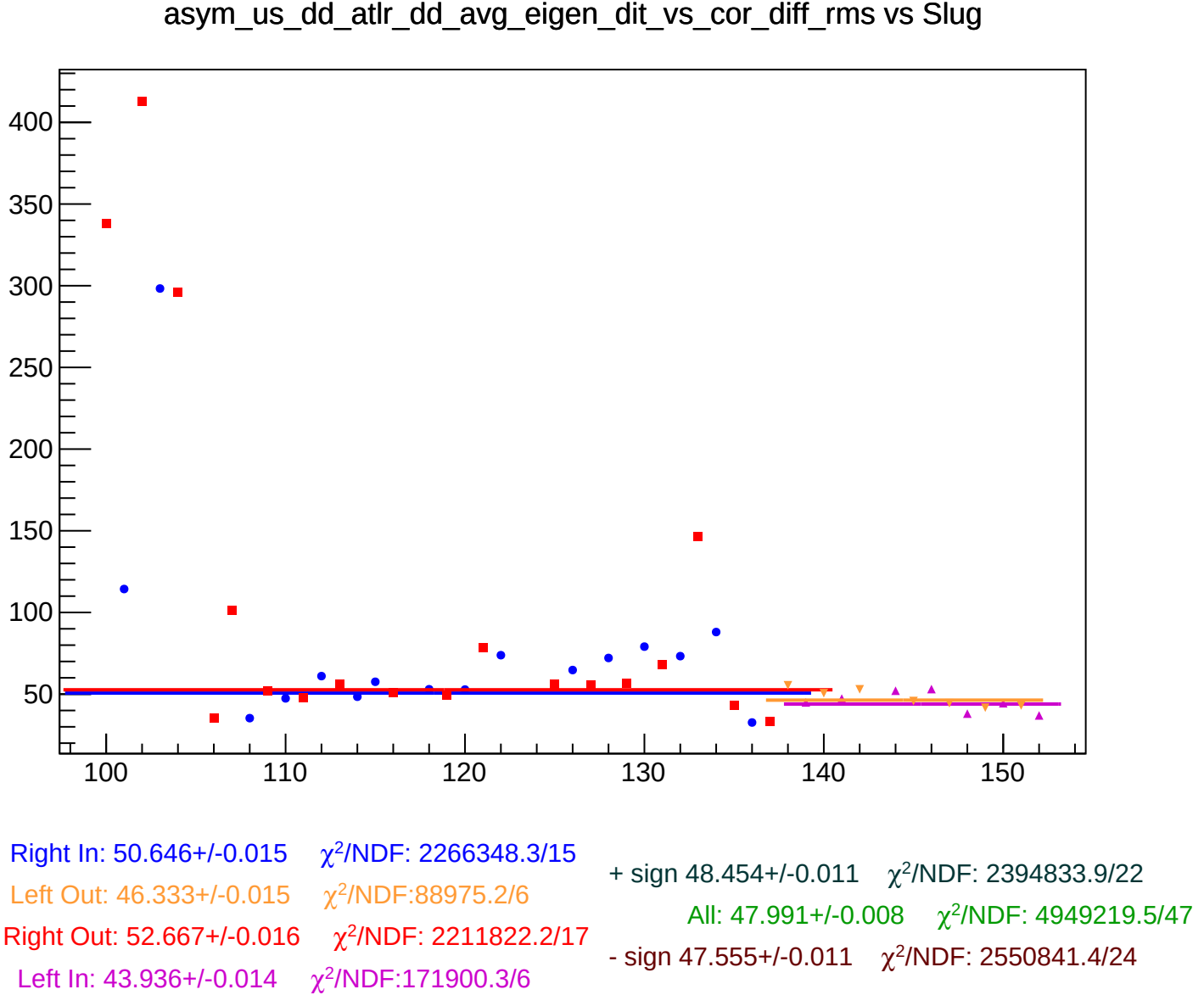
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.017+/-0.019 χ^2/NDF:1.8/6

+ sign -0.015+/-0.015 χ^2/NDF: 22.1/22

All: -0.007+/-0.011 χ^2/NDF: 42.1/47

- sign -0.000+/-0.015 χ^2/NDF: 19.5/24


asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
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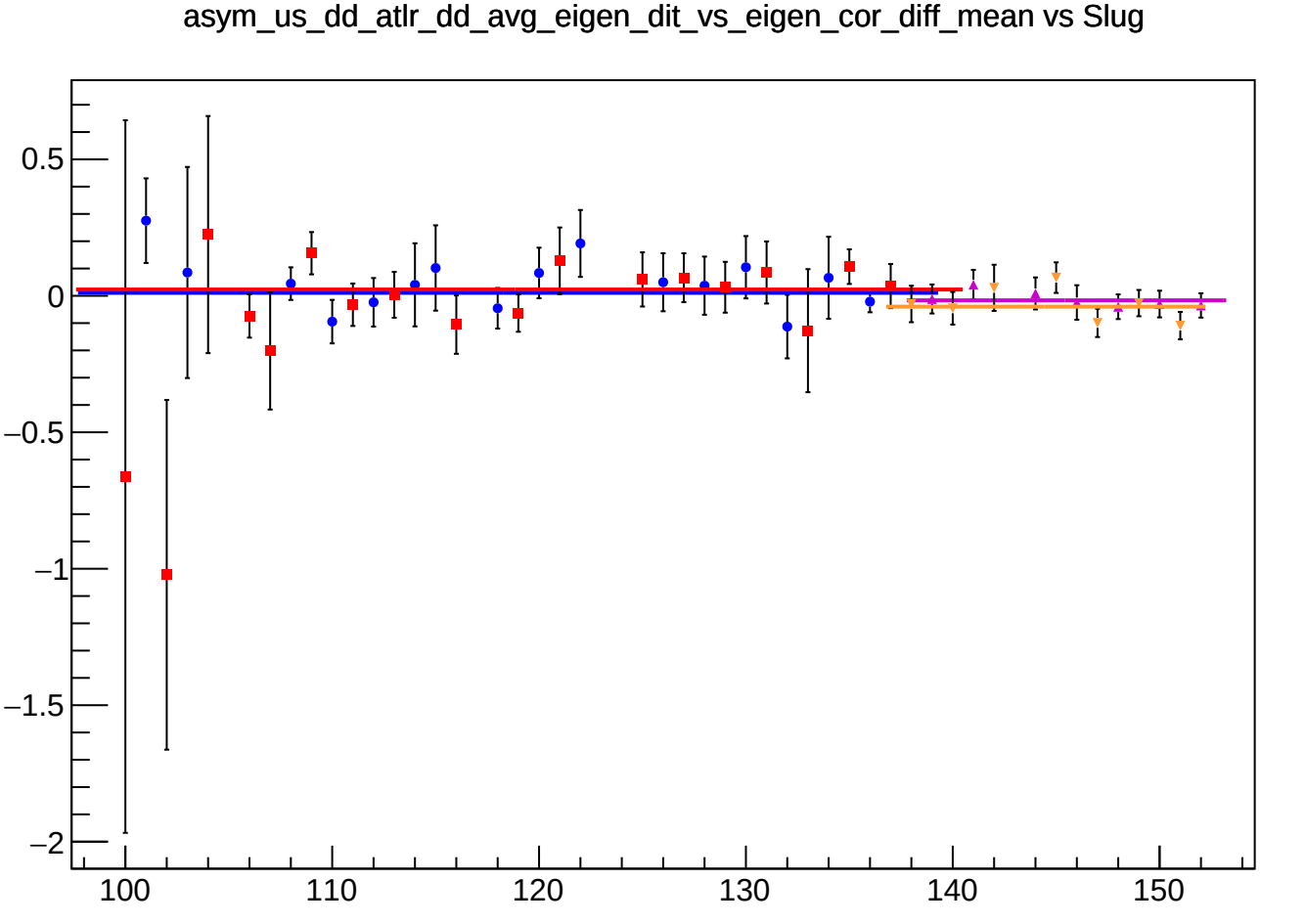
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 46.333+/-0.015 χ²/NDF:88975.2/6
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 43.936+/-0.014 χ²/NDF:171900.3/6
+ sign 48.454+/-0.011 χ²/NDF: 2394833.9/22
All: 47.991+/-0.008 χ²/NDF: 4949219.5/47
- sign 47.555+/-0.011 χ²/NDF: 2550841.4/24



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.040+/-0.022 χ^2/NDF:7.6/6

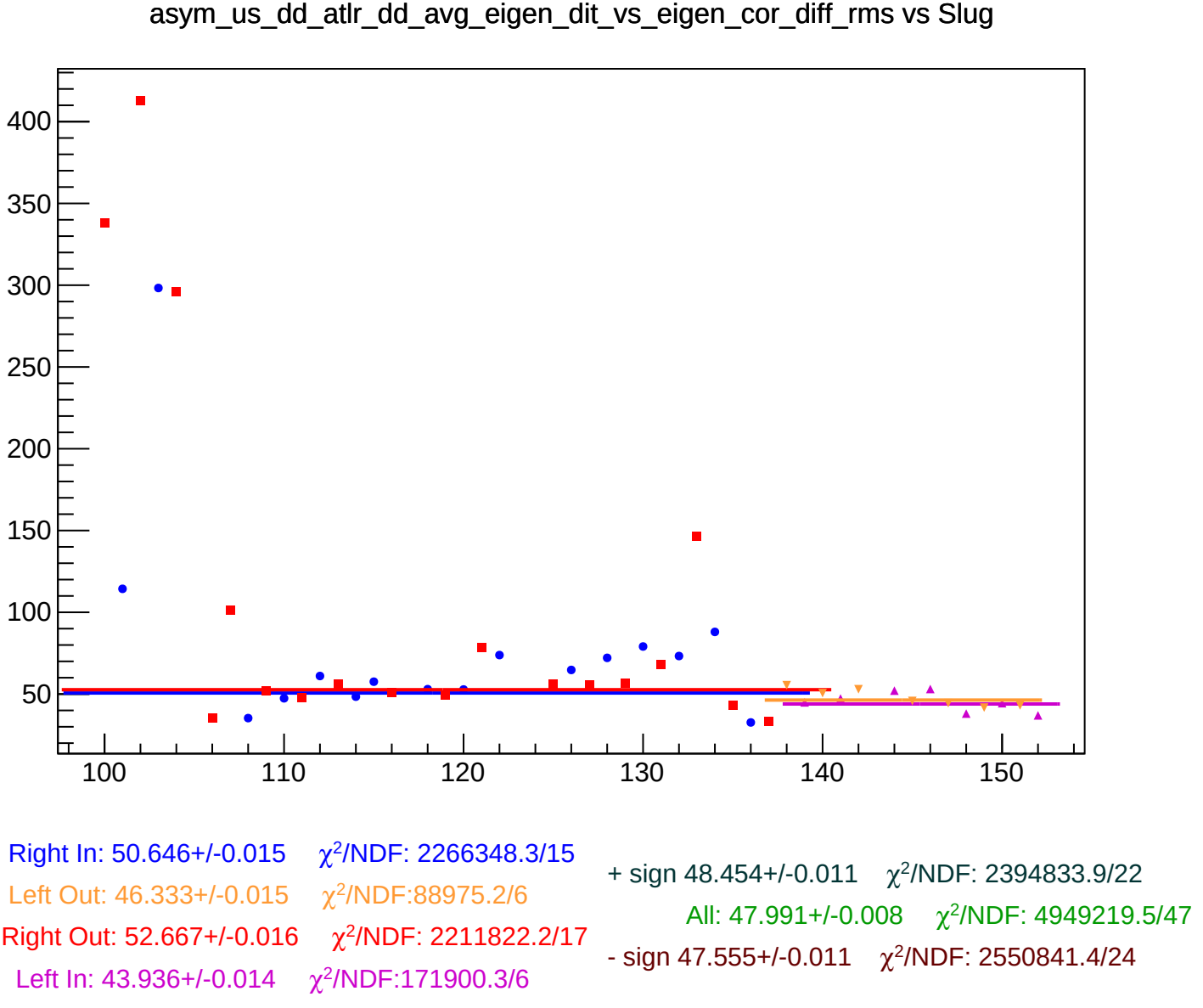
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.017+/-0.019 χ^2/NDF:1.8/6

+ sign -0.015+/-0.015 χ^2/NDF: 22.1/22

All: -0.007+/-0.011 χ^2/NDF: 42.1/47

- sign -0.000+/-0.015 χ^2/NDF: 19.5/24


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
400
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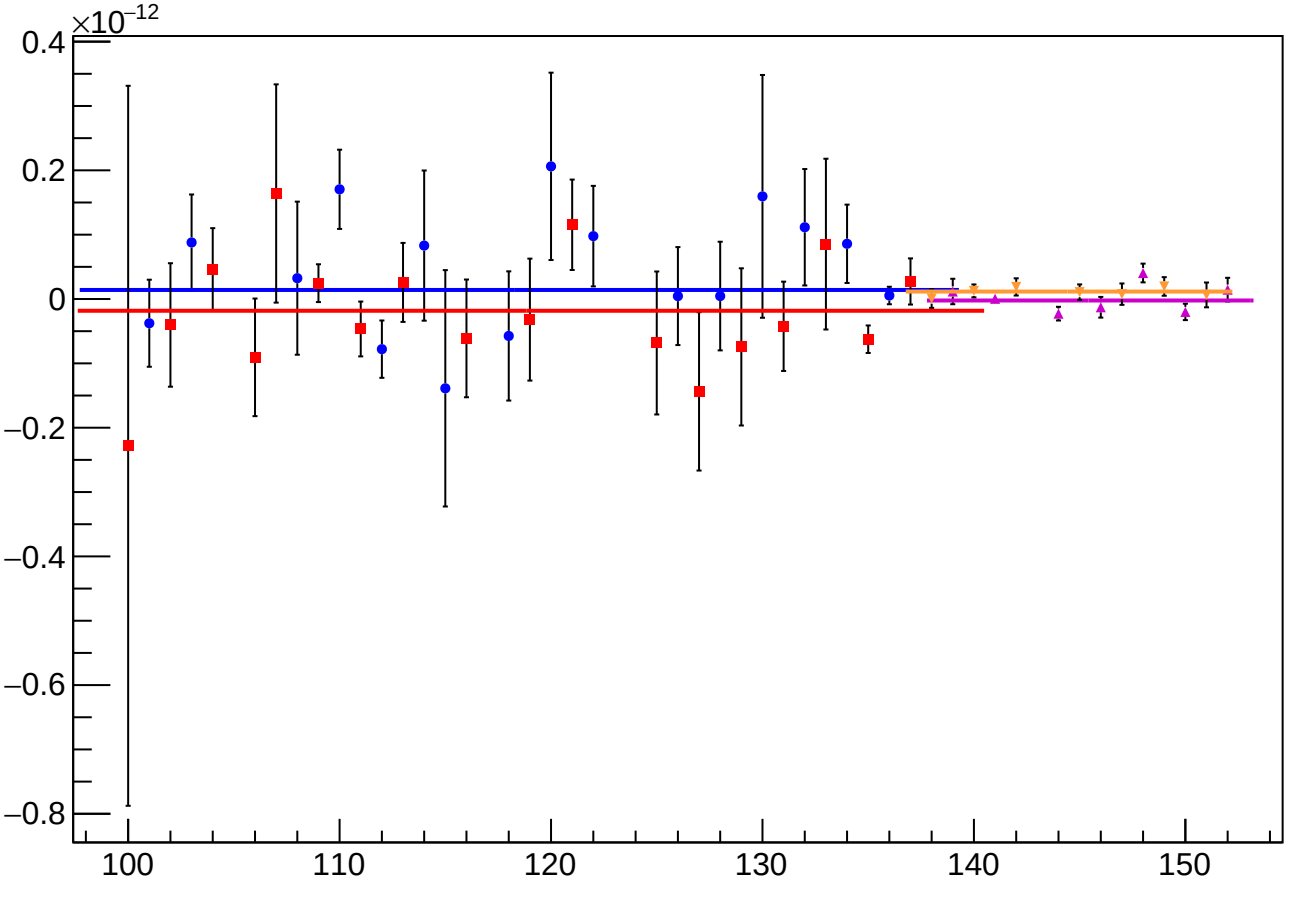
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 46.333+/-0.015 χ²/NDF:88975.2/6
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 43.936+/-0.014 χ²/NDF:171900.3/6
+ sign 48.454+/-0.011 χ²/NDF: 2394833.9/22
All: 47.991+/-0.008 χ²/NDF: 4949219.5/47
- sign 47.555+/-0.011 χ²/NDF: 2550841.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/6

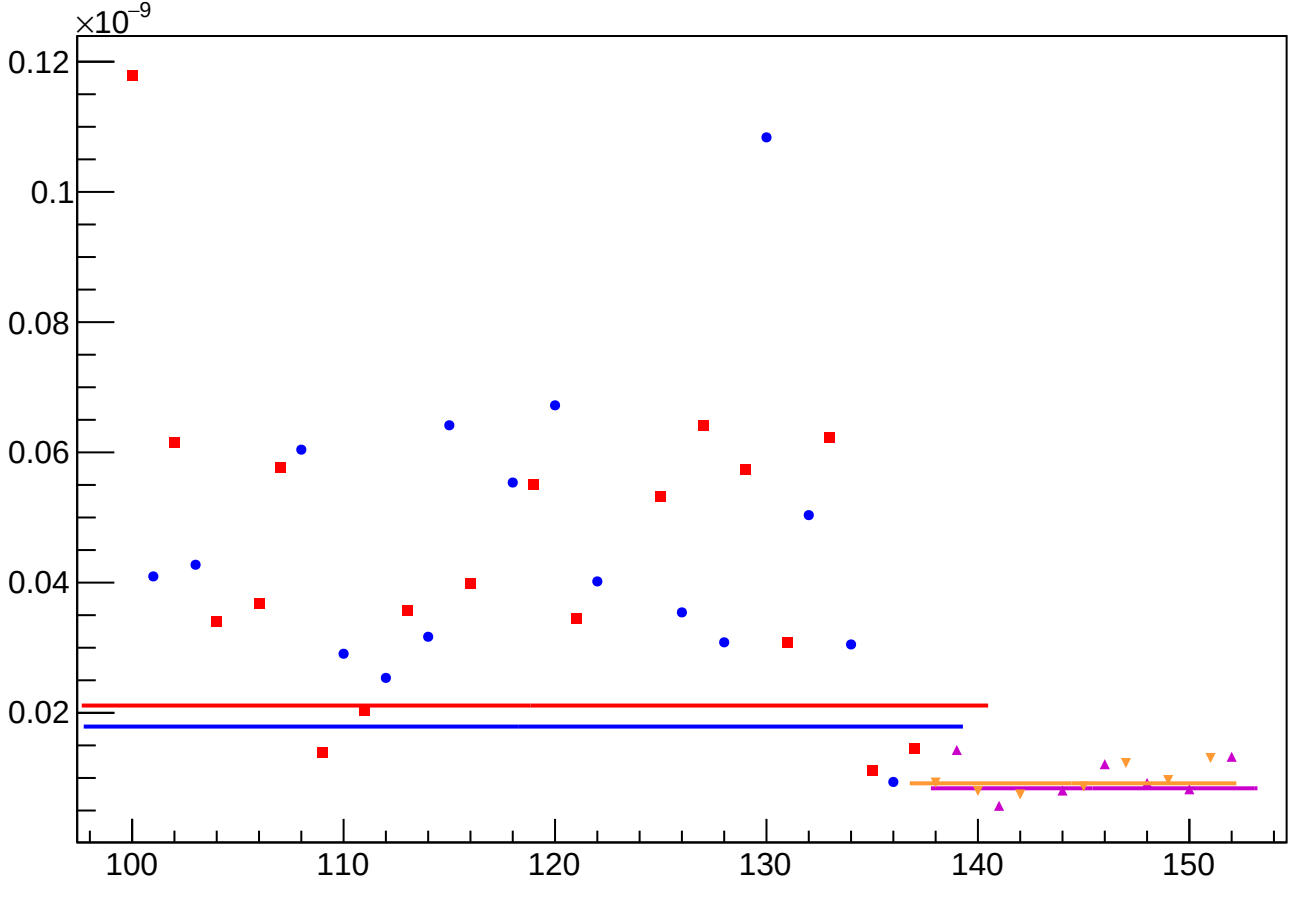
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:16.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/22

All: 0.000+/-0.000 χ^2/NDF: 63.7/47

- sign -0.000+/-0.000 χ^2/NDF: 35.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:217282.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

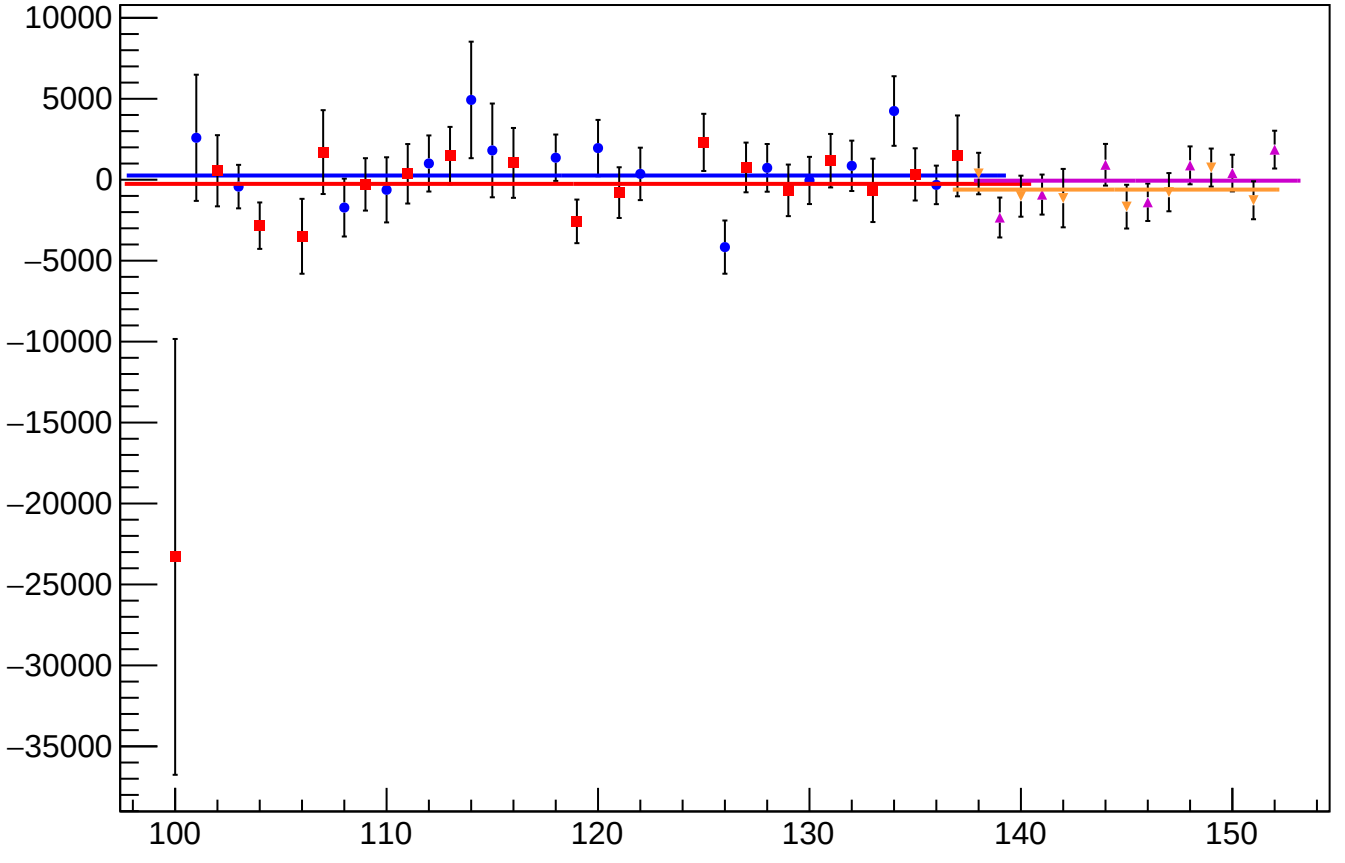
Left In: 0.000+/-0.000 χ^2/NDF:665054.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 4599830.8/22

All: 0.000+/-0.000 χ^2/NDF: 9711699.8/47

- sign 0.000+/-0.000 χ^2/NDF: 5089557.8/24

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -609.130+/-484.748 χ^2/NDF:3.1/6

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

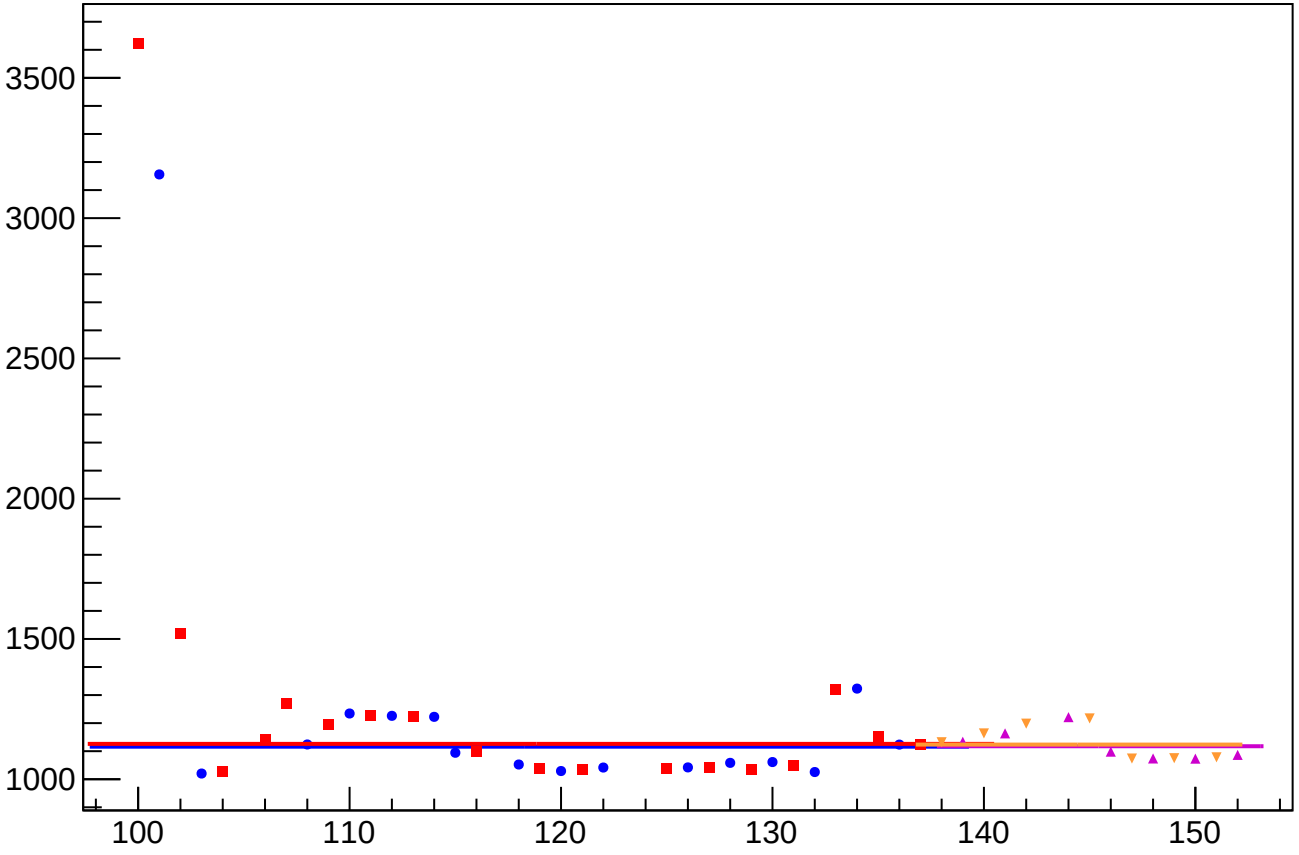
Left In: -58.143+/-451.541 χ^2/NDF:9.3/6

+ sign -116.933+/-319.423 χ^2/NDF: 21.8/22

All: -140.590+/-222.379 χ^2/NDF: 48.6/47

- sign -162.841+/-309.781 χ^2/NDF: 26.8/24

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1123.535+/-0.343 χ^2/NDF:24963.7/6

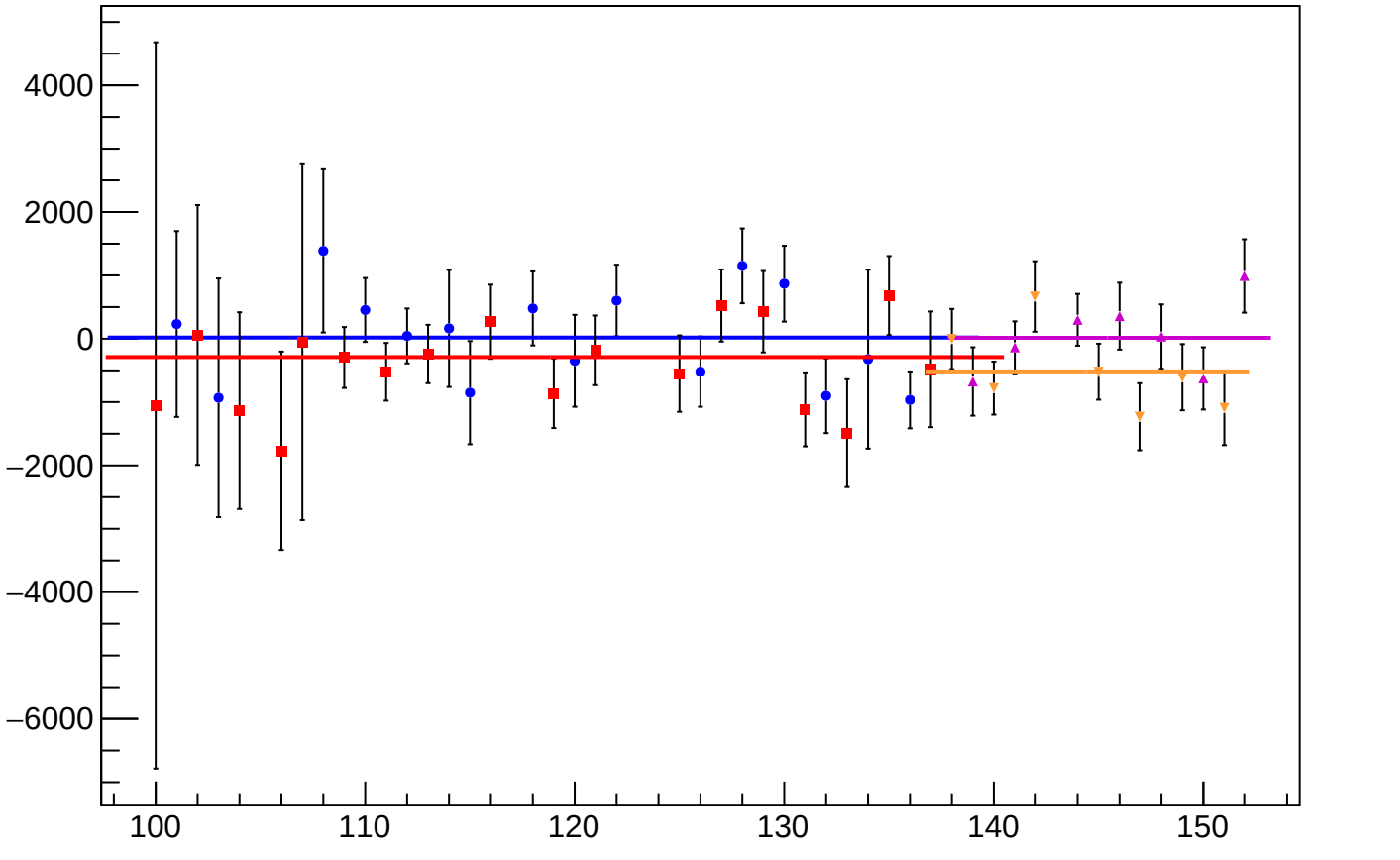
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1117.635+/-0.319 χ^2/NDF:23839.2/6

+ sign 1119.322+/-0.226 χ^2/NDF: 648621.5/22

All: 1120.739+/-0.157 χ^2/NDF: 895007.8/47

- sign 1122.071+/-0.219 χ^2/NDF: 246309.9/24



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -515.798+/-186.960 χ^2/NDF:8.9/6

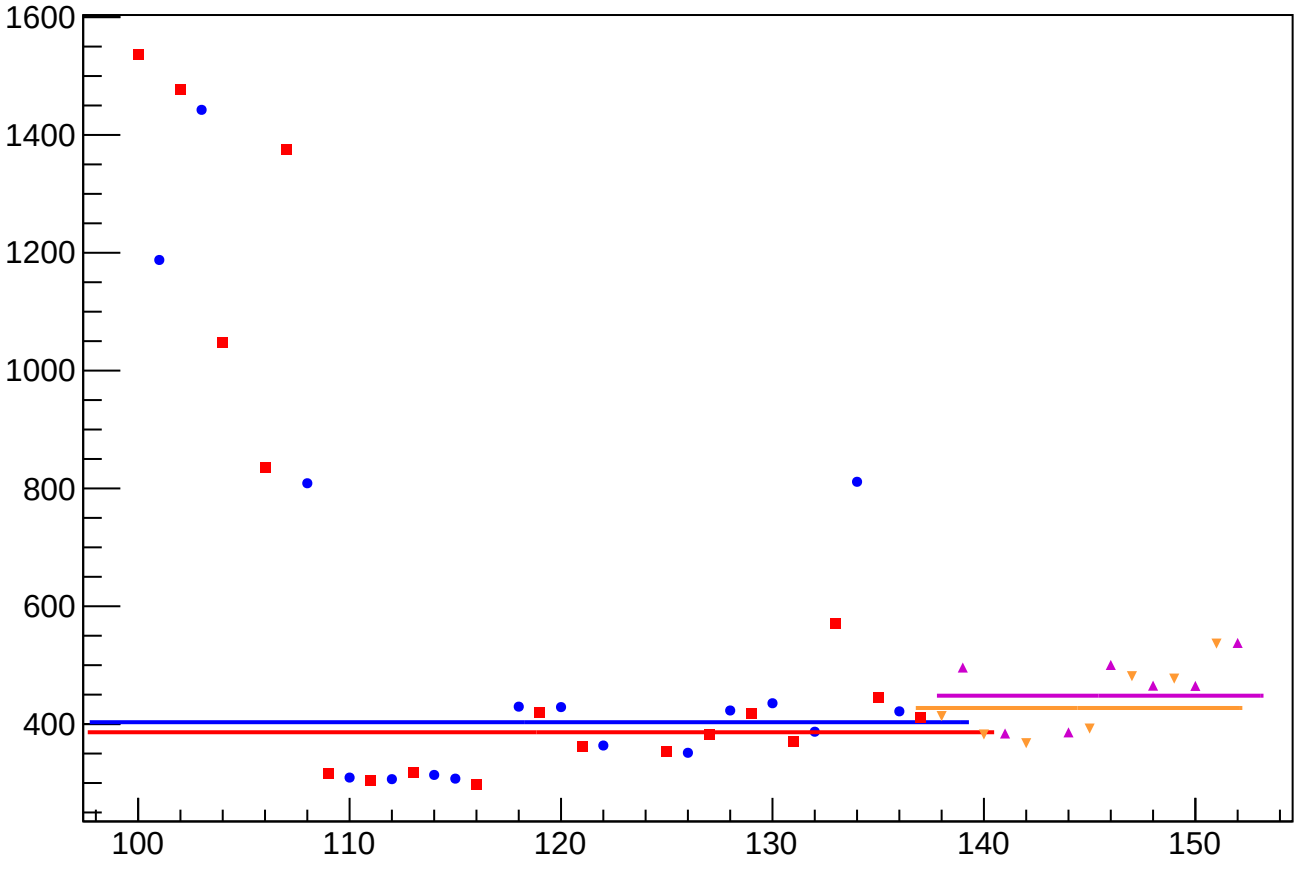
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 14.038+/-182.778 χ^2/NDF:7.2/6

\+ sign -209.410+/-122.102 χ^2/NDF: 32.8/22

All: -184.865+/-85.126 χ^2/NDF: 55.2/47

\- sign -161.653+/-118.741 χ^2/NDF: 22.3/24



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 427.337+/-0.132 χ^2/NDF:168337.1/6

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

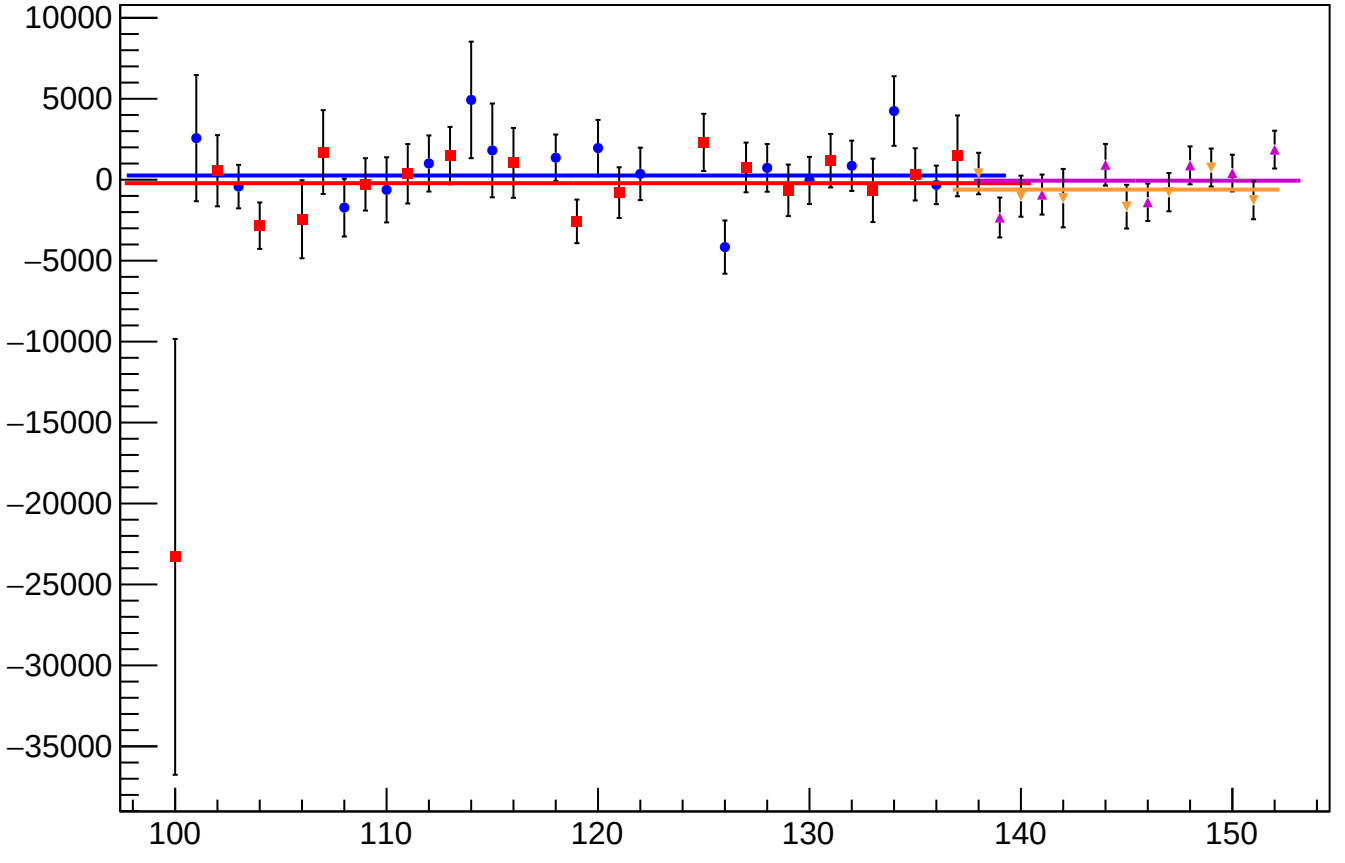
Left In: 448.199+/-0.129 χ^2/NDF:182826.6/6

+ sign 413.491+/-0.086 χ^2/NDF: 1995894.6/22

All: 412.897+/-0.060 χ^2/NDF: 4071157.3/47

- sign 412.335+/-0.084 χ^2/NDF: 2075170.4/24

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -609.098+/-484.748 χ^2/NDF:3.1/6

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

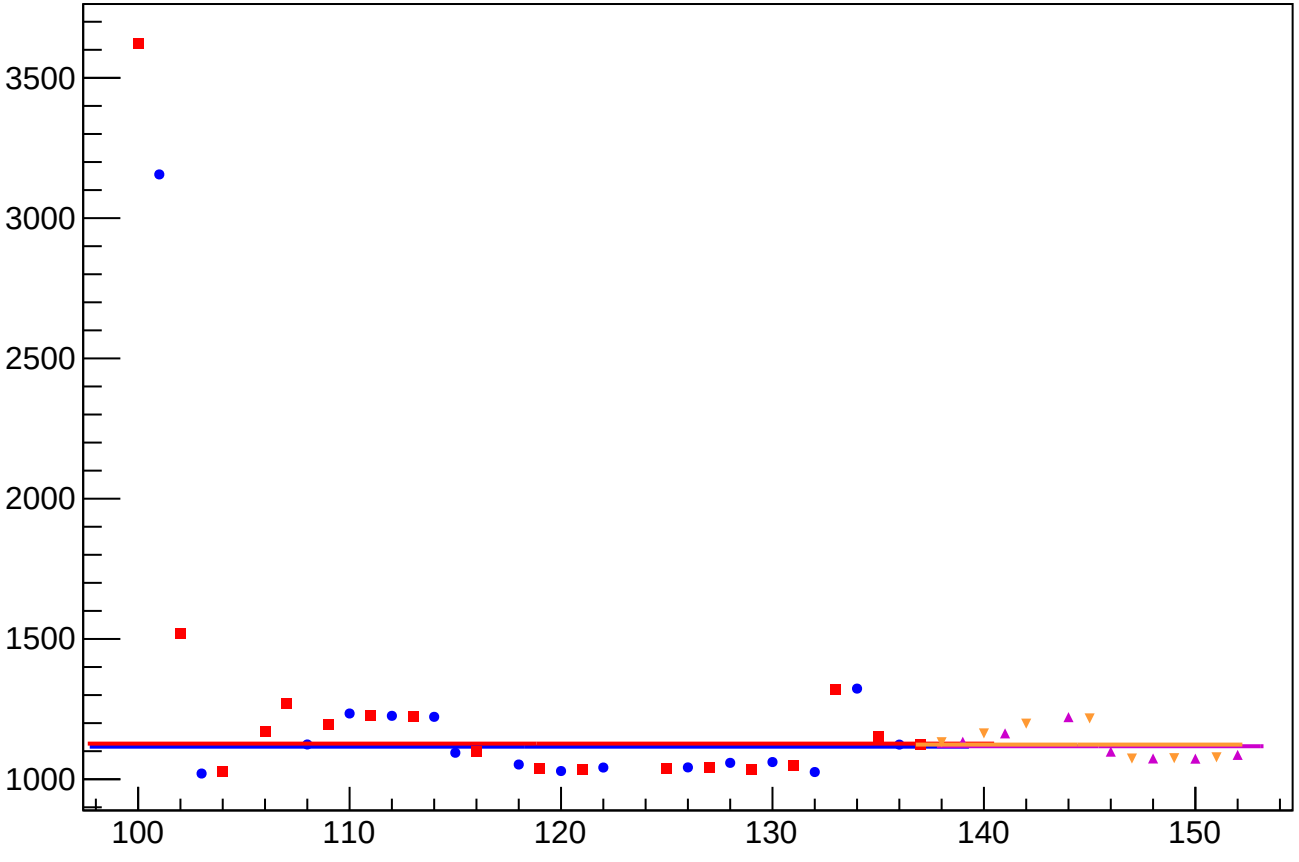
Left In: -58.115+/-451.541 χ^2/NDF:9.3/6

+ sign -117.136+/-319.423 χ^2/NDF: 21.8/22

All: -129.319+/-222.458 χ^2/NDF: 47.4/47

- sign -140.793+/-309.995 χ^2/NDF: 25.6/24

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1123.535+/-0.343 χ^2/NDF:24963.7/6

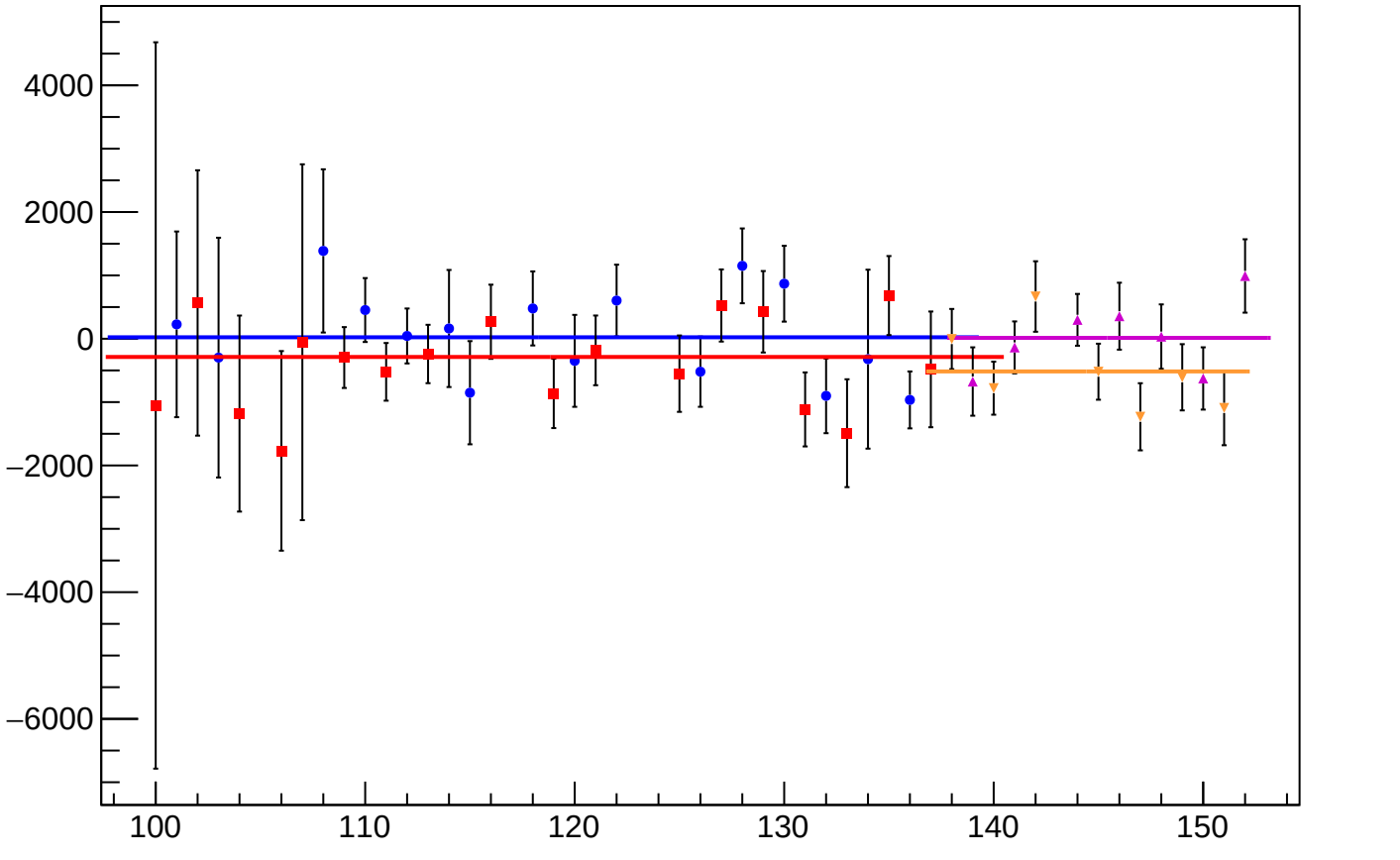
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1117.635+/-0.319 χ^2/NDF:23839.2/6

+ sign 1119.322+/-0.226 χ^2/NDF: 648622.6/22

All: 1120.992+/-0.157 χ^2/NDF: 895759.1/47

- sign 1122.565+/-0.219 χ^2/NDF: 247030.4/24



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -515.949+/-186.959 χ^2/NDF:8.9/6

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

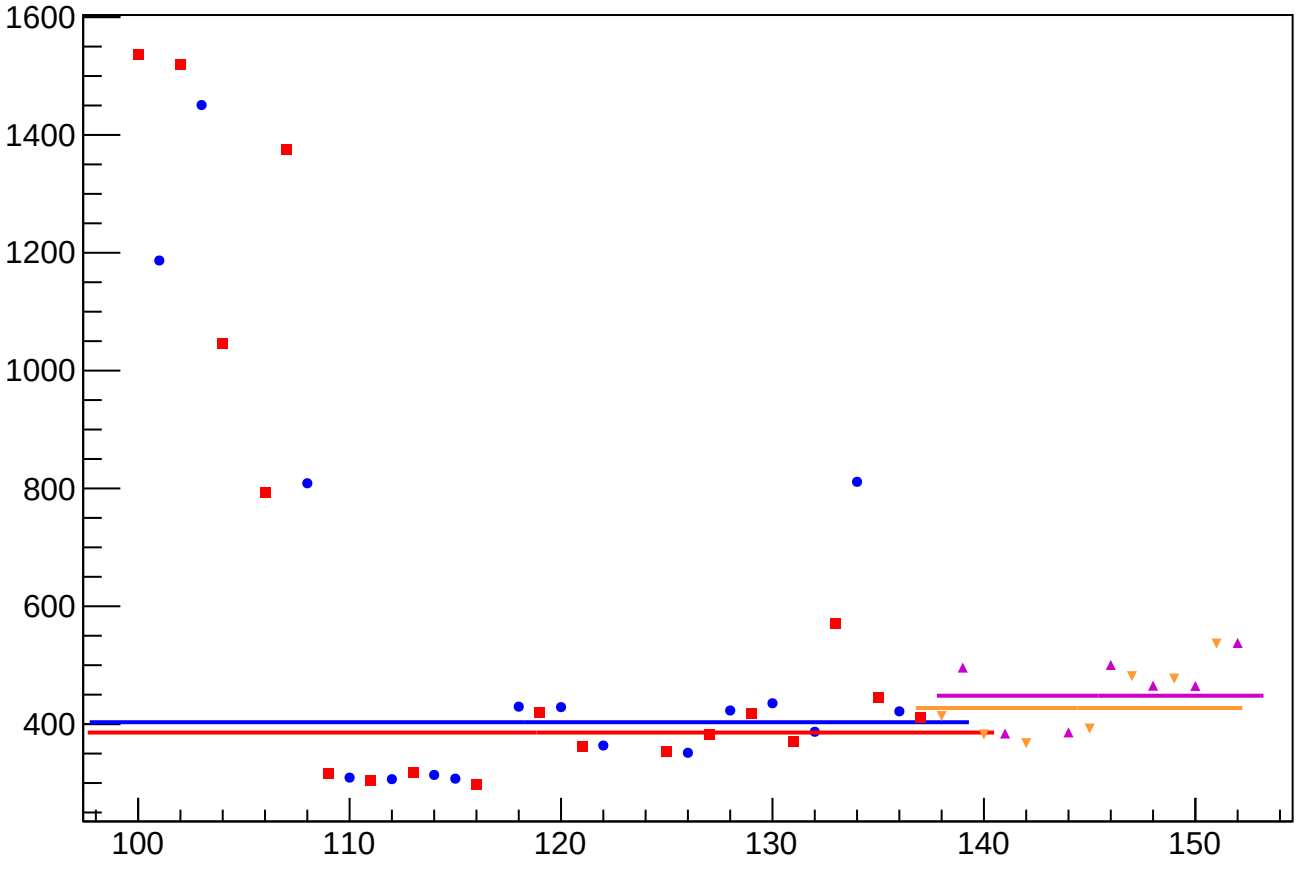
Left In: 13.975+/-182.776 χ^2/NDF:7.2/6

+ sign -206.923+/-122.102 χ^2/NDF: 32.6/22

All: -182.967+/-85.129 χ^2/NDF: 55.1/47

- sign -160.309+/-118.750 χ^2/NDF: 22.4/24

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: 427.334+/-0.132 χ^2/NDF:168328.5/6

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

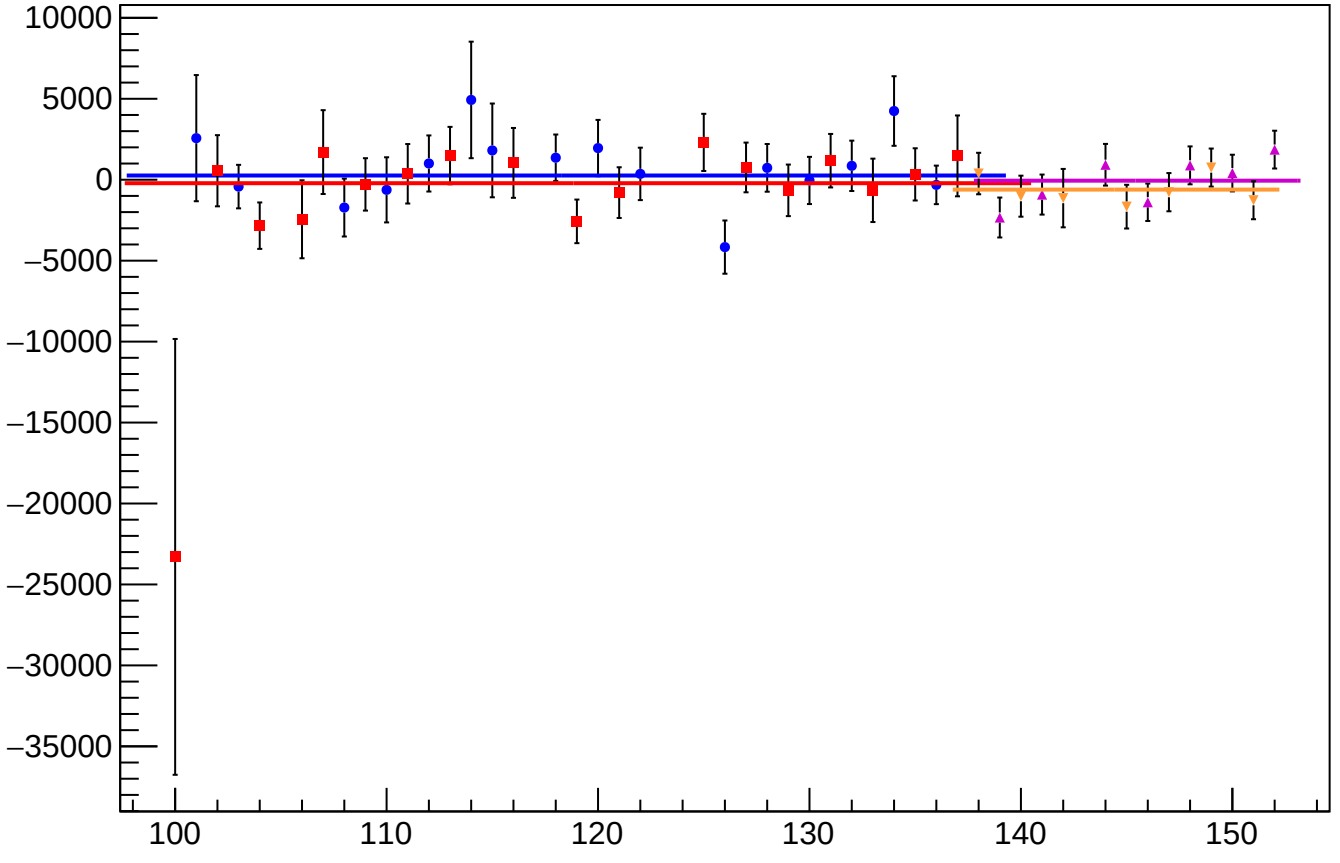
Left In: 448.195+/-0.129 χ^2/NDF:182800.3/6

+ sign 413.484+/-0.086 χ^2/NDF: 1999579.0/22

All: 412.757+/-0.060 χ^2/NDF: 4064871.2/47

- sign 412.070+/-0.084 χ^2/NDF: 2065154.3/24

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: -609.098+/-484.748 χ^2/NDF:3.1/6

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

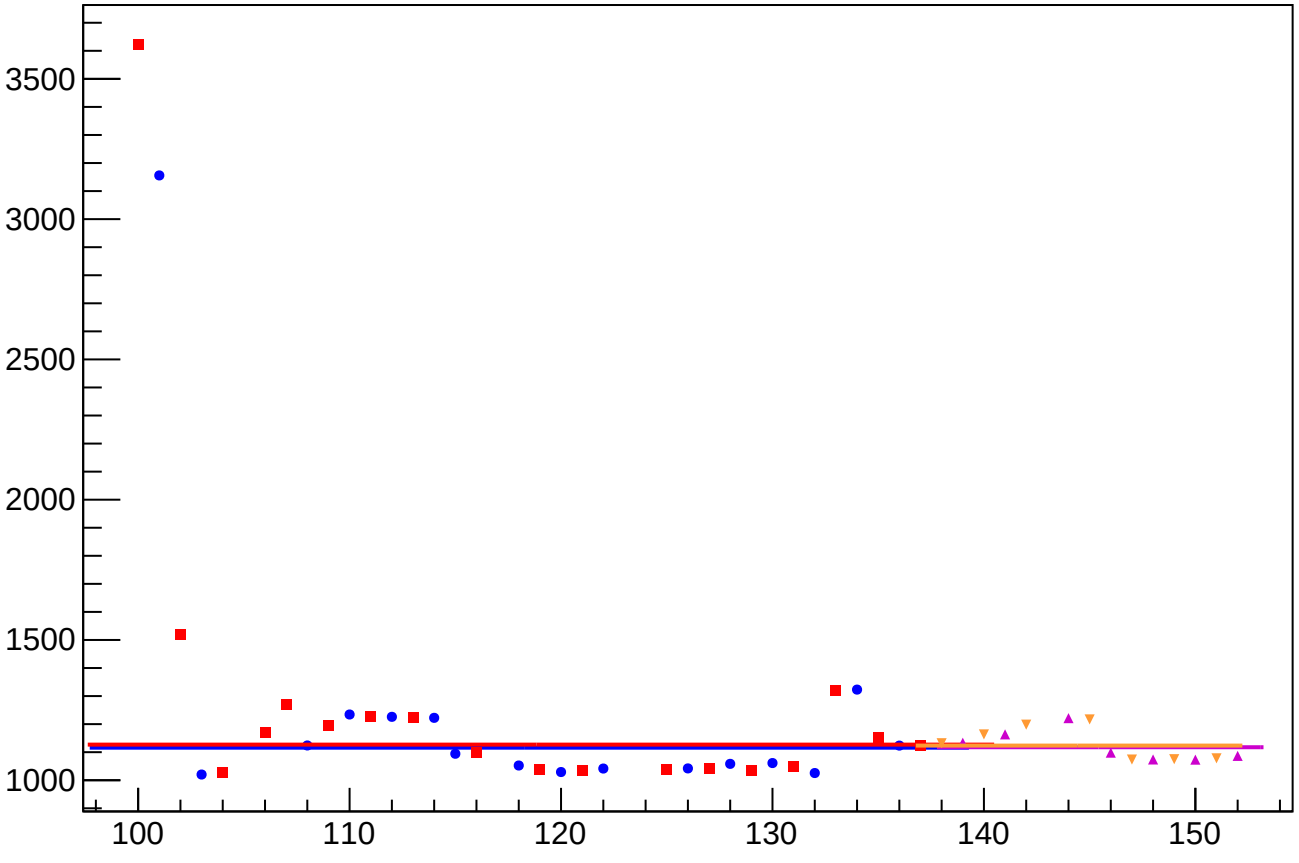
Left In: -58.115+/-451.541 χ^2/NDF:9.3/6

+ sign -117.136+/-319.423 χ^2/NDF: 21.8/22

All: -129.319+/-222.458 χ^2/NDF: 47.4/47

- sign -140.793+/-309.995 χ^2/NDF: 25.6/24

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: 1123.535+/-0.343 χ^2/NDF:24963.7/6

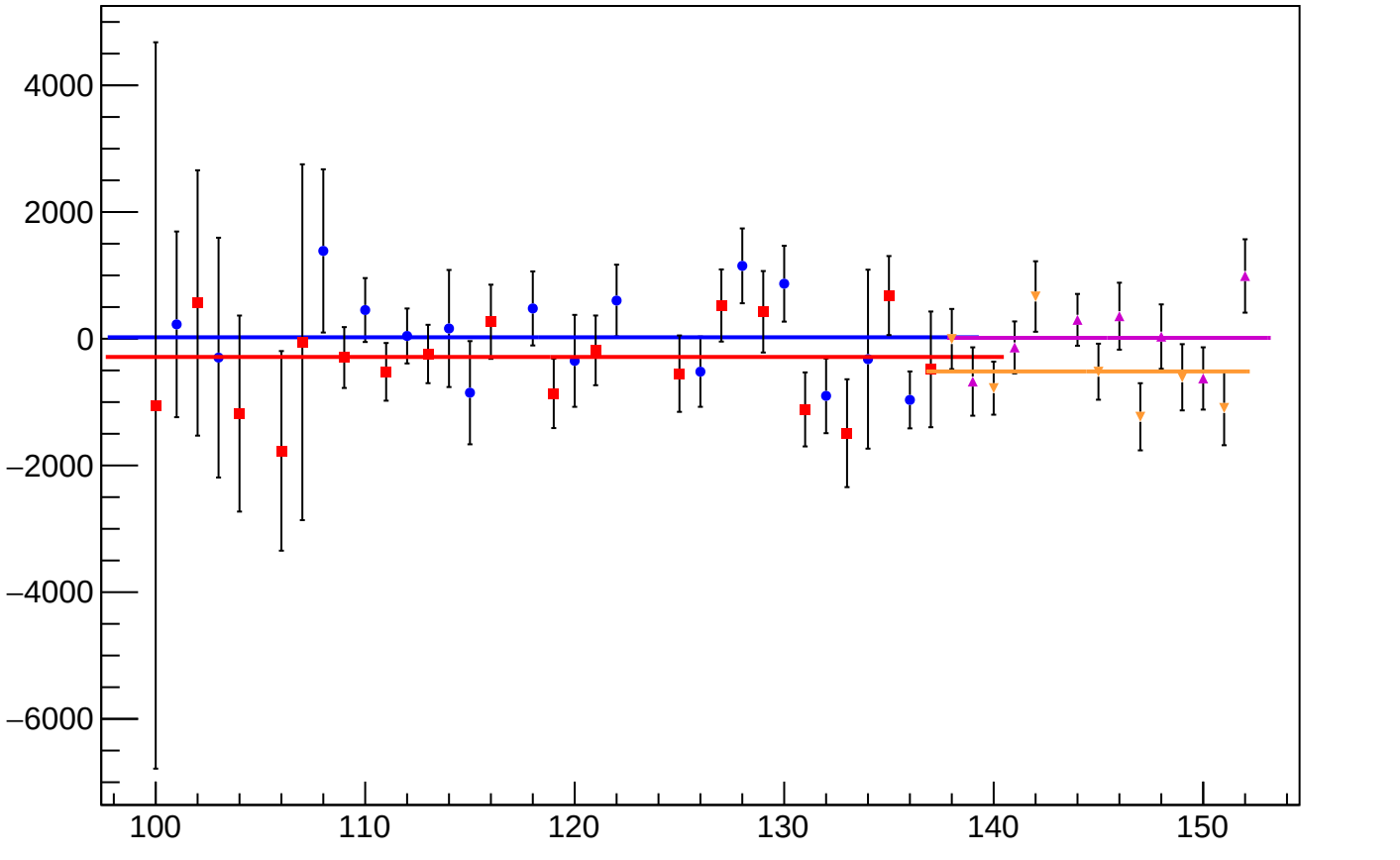
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1117.635+/-0.319 χ^2/NDF:23839.2/6

+ sign 1119.322+/-0.226 χ^2/NDF: 648622.6/22

All: 1120.992+/-0.157 χ^2/NDF: 895759.1/47

- sign 1122.565+/-0.219 χ^2/NDF: 247030.4/24



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -515.949+/-186.959 χ^2/NDF:8.9/6

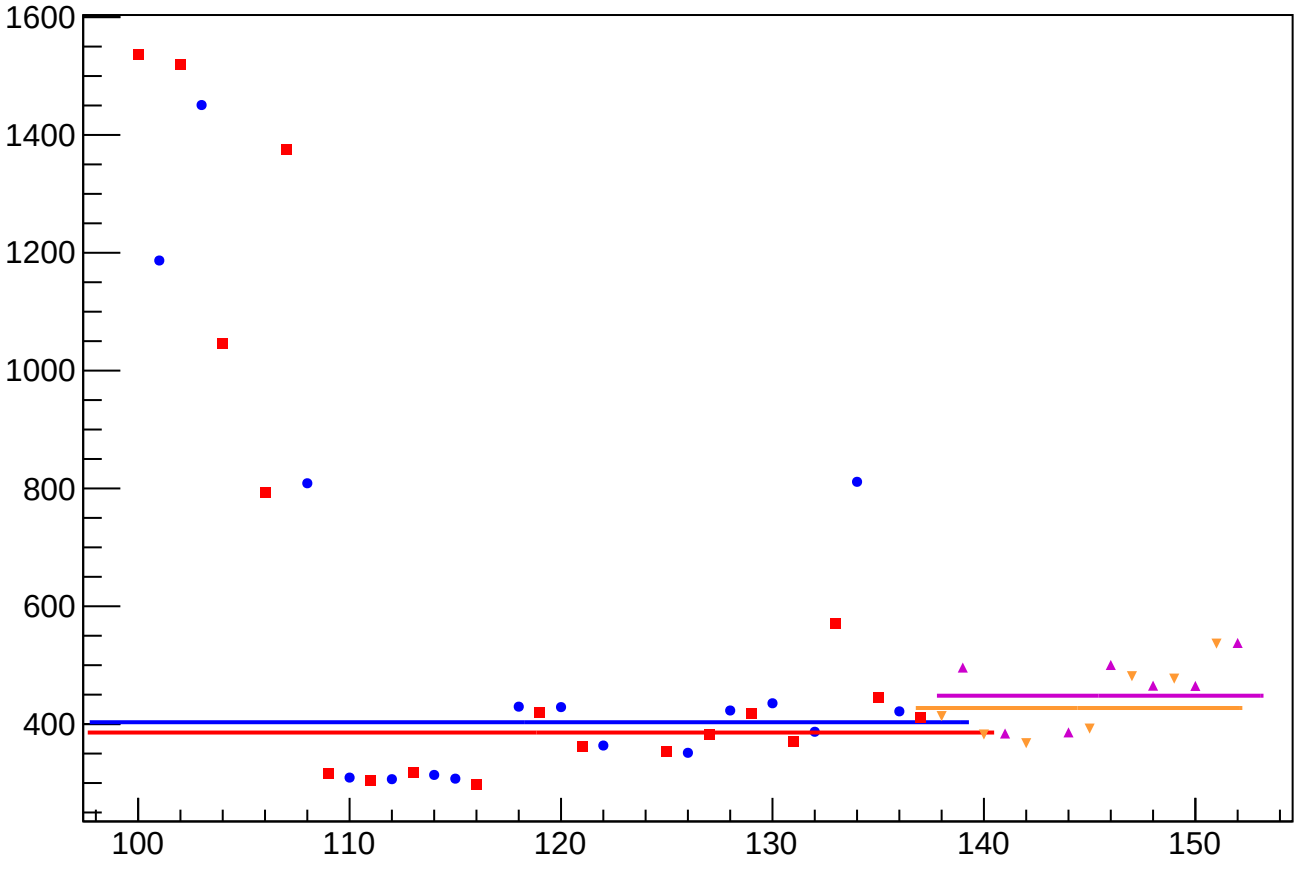
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 13.975+/-182.776 χ^2/NDF:7.2/6

+ sign -206.923+/-122.102 χ^2/NDF: 32.6/22

All: -182.967+/-85.129 χ^2/NDF: 55.1/47

- sign -160.309+/-118.750 χ^2/NDF: 22.4/24



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 427.334+/-0.132 χ^2/NDF:168328.5/6

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

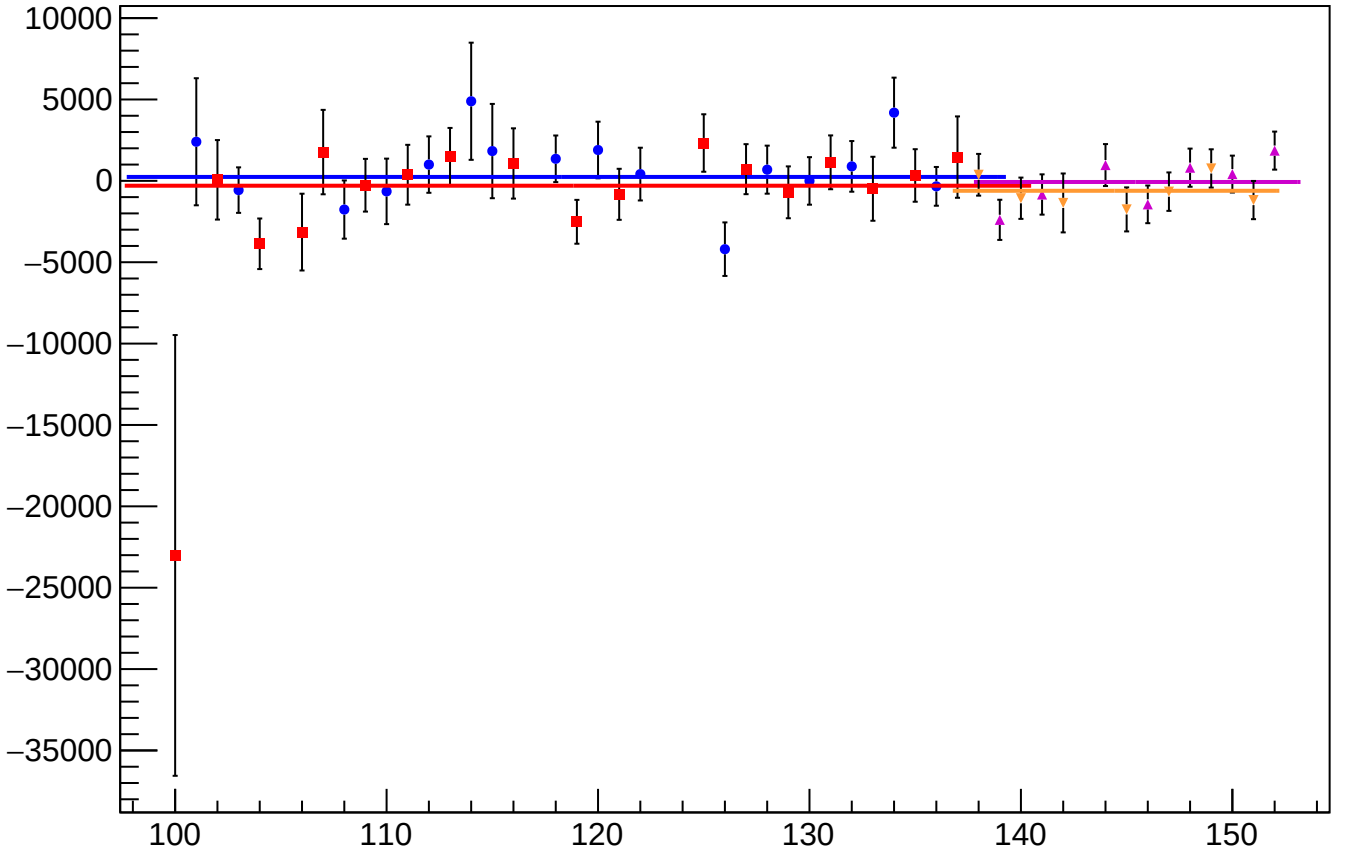
Left In: 448.195+/-0.129 χ^2/NDF:182800.3/6

+ sign 413.484+/-0.086 χ^2/NDF: 1999579.0/22

All: 412.757+/-0.060 χ^2/NDF: 4064871.2/47

- sign 412.070+/-0.084 χ^2/NDF: 2065154.3/24

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -610.206+/-485.300 χ^2/NDF:3.2/6

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

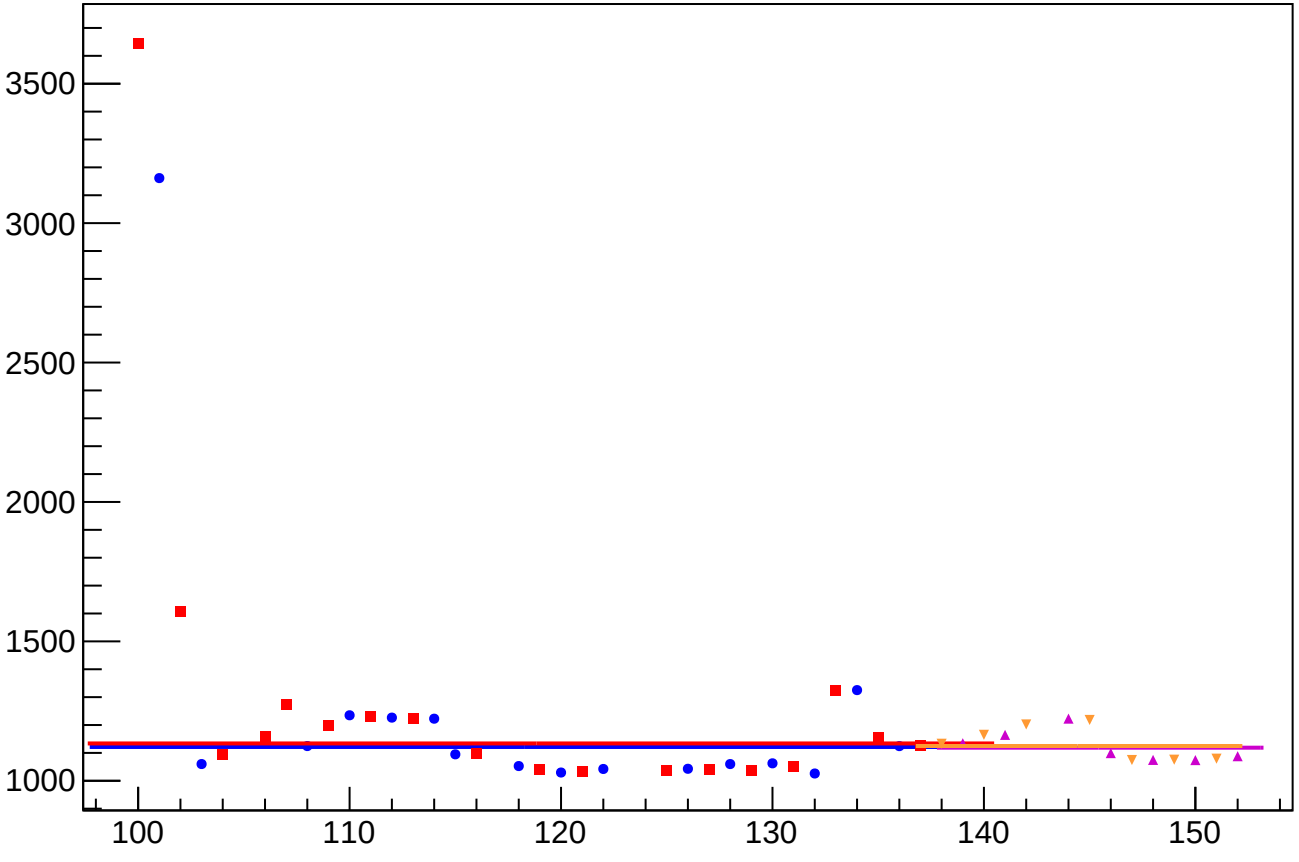
Left In: -69.646+/-451.986 χ^2/NDF:9.5/6

\+ sign -130.126+/-320.403 χ^2/NDF: 21.9/22

All: -160.768+/-223.466 χ^2/NDF: 50.2/47

\- sign -189.791+/-311.830 χ^2/NDF: 28.3/24

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1124.776+/-0.343 χ^2/NDF:25369.0/6

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

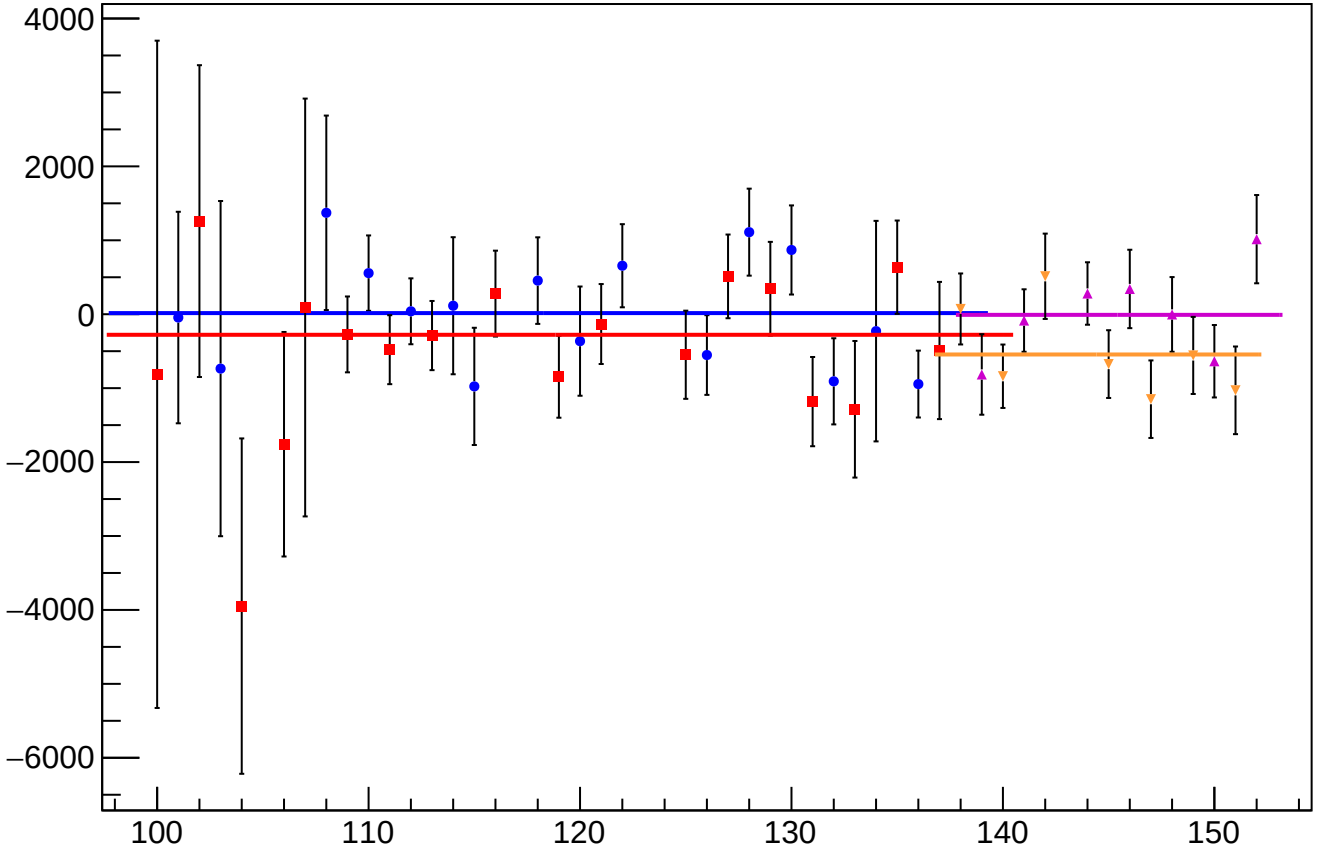
Left In: 1118.721+/-0.320 χ^2/NDF:23985.2/6

+ sign 1122.812+/-0.227 χ^2/NDF: 642455.5/22

All: 1124.804+/-0.158 χ^2/NDF: 895234.8/47

- sign 1126.690+/-0.220 χ^2/NDF: 252628.8/24

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -544.595+/-190.000 χ^2/NDF:7.6/6

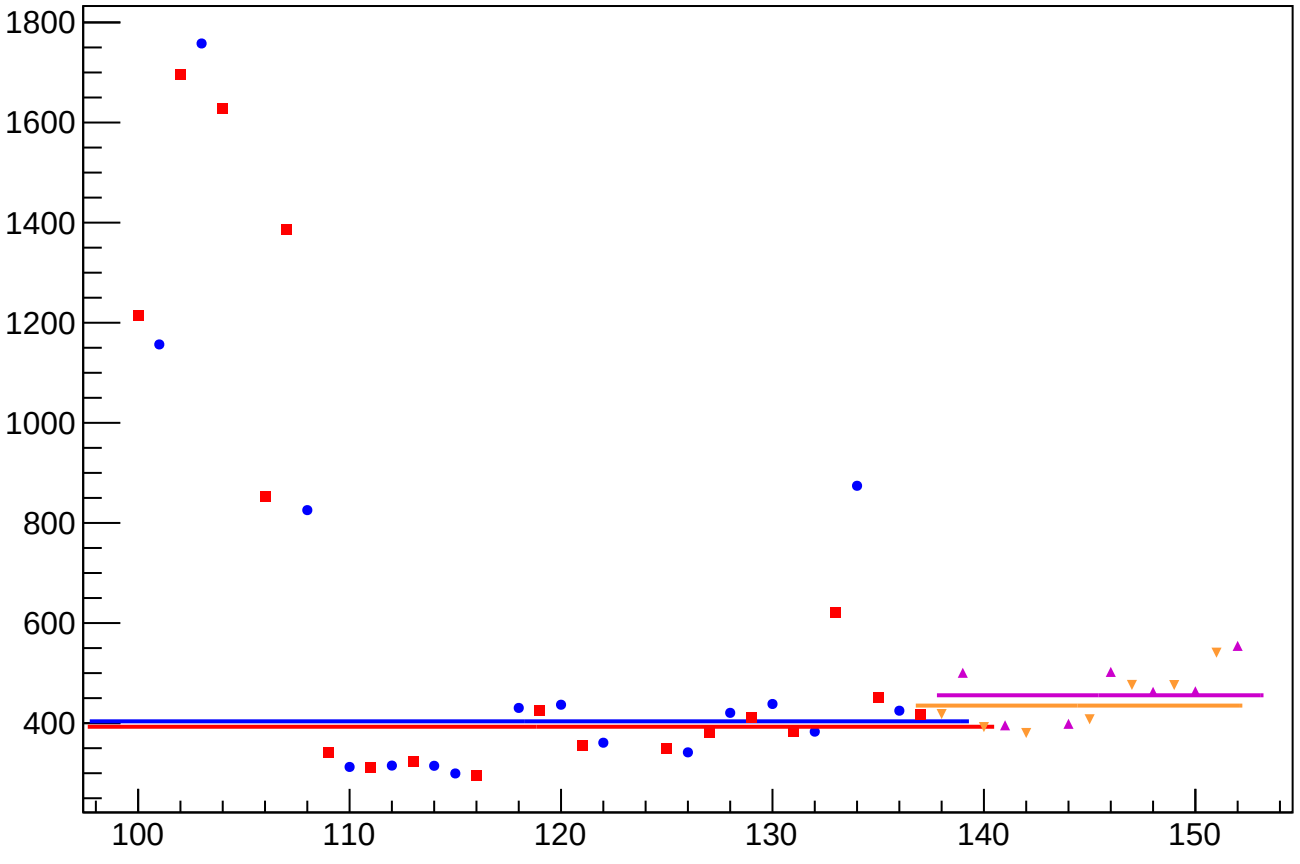
Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -8.623+/-185.622 χ^2/NDF:7.7/6

+ sign -220.134+/-123.206 χ^2/NDF: 32.2/22

All: -191.631+/-86.213 χ^2/NDF: 56.3/47

- sign -164.285+/-120.680 χ^2/NDF: 24.0/24



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 435.100+/-0.134 χ^2/NDF:136032.6/6

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

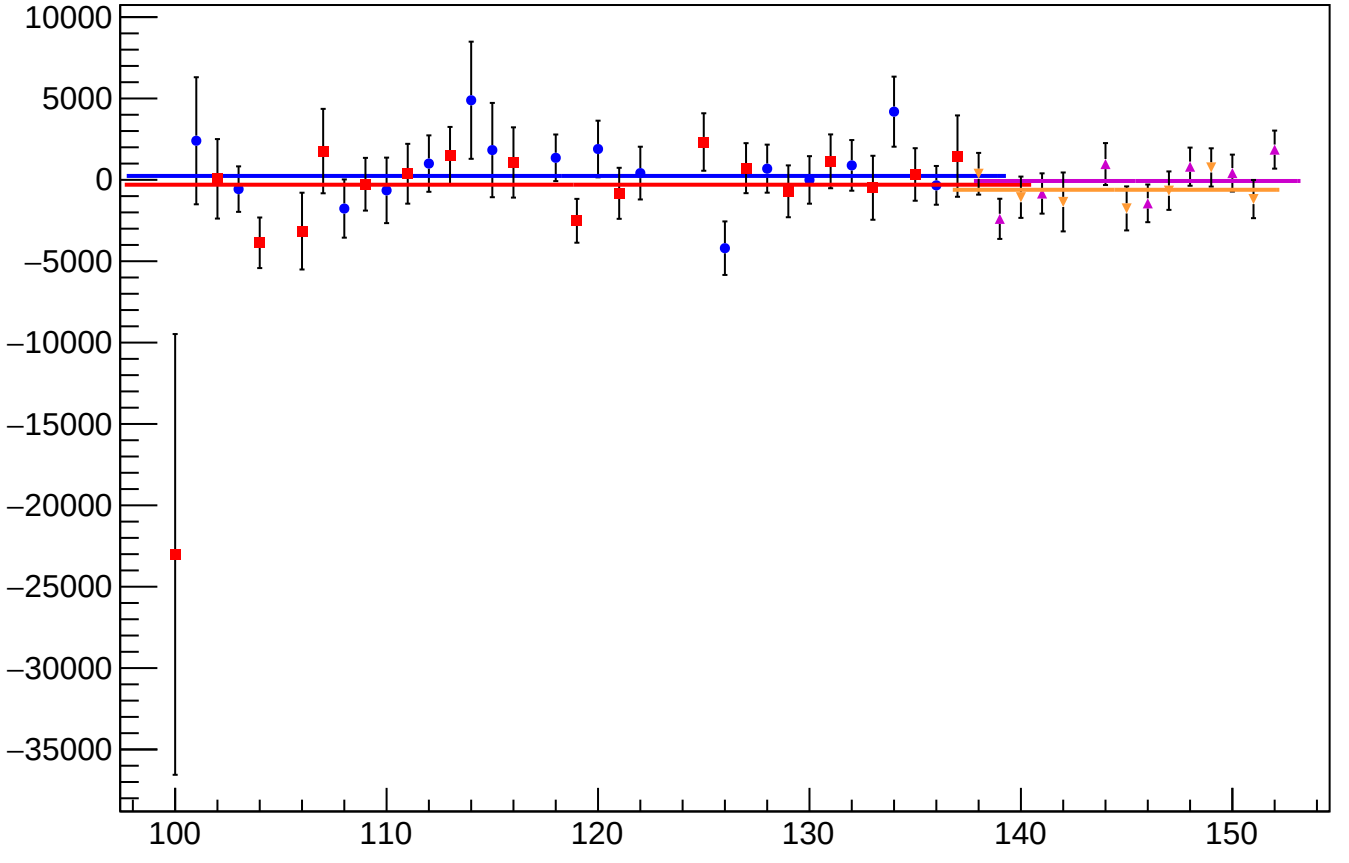
Left In: 455.705+/-0.131 χ^2/NDF:161444.0/6

+ sign 416.878+/-0.087 χ^2/NDF: 2097374.3/22

All: 418.165+/-0.061 χ^2/NDF: 4595221.7/47

- sign 419.401+/-0.085 χ^2/NDF: 2497419.5/24

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: -610.211+/-485.300 χ^2/NDF:3.2/6

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

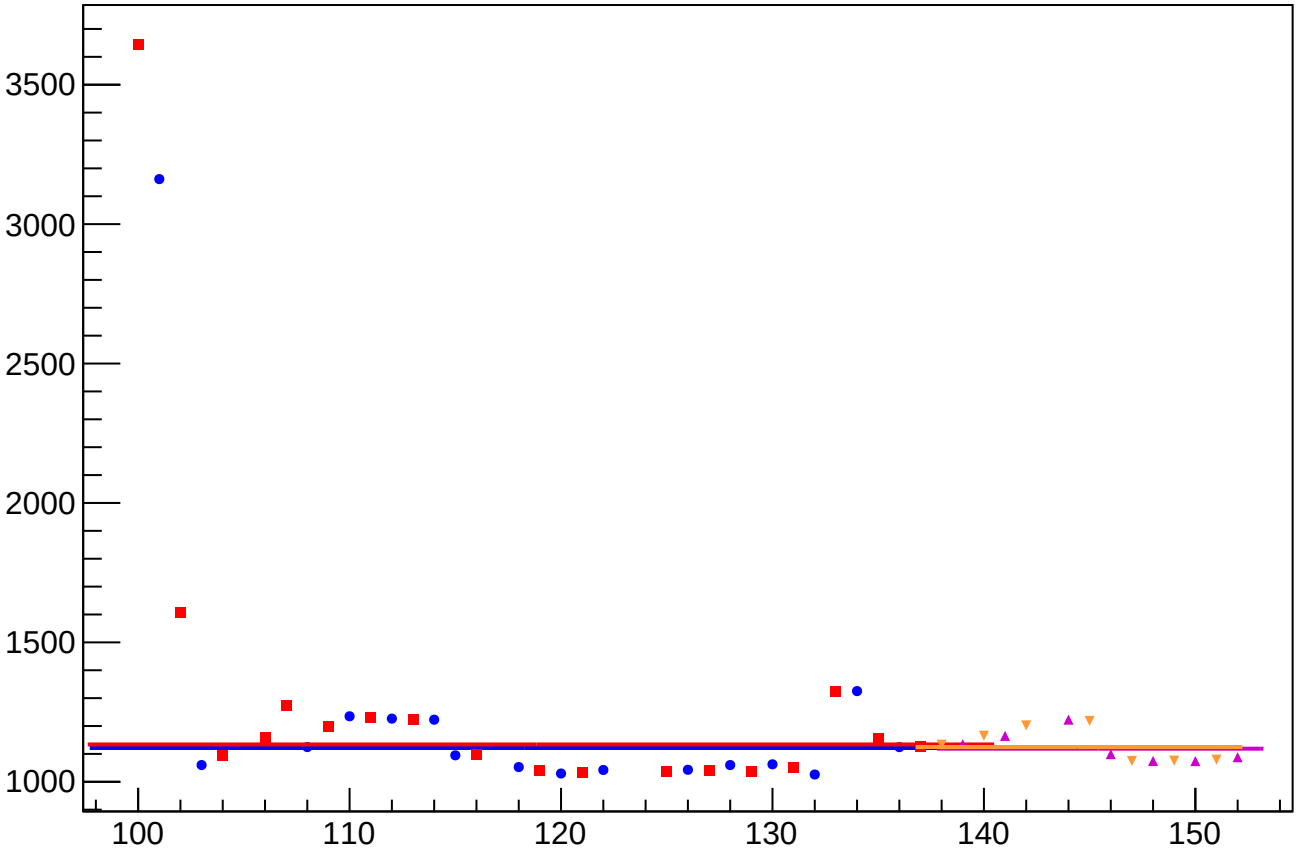
Left In: -69.643+/-451.986 χ^2/NDF:9.5/6

+ sign -130.127+/-320.403 χ^2/NDF: 21.9/22

All: -160.768+/-223.466 χ^2/NDF: 50.2/47

- sign -189.790+/-311.830 χ^2/NDF: 28.3/24

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: 1124.776+/-0.343 χ^2/NDF:25369.1/6

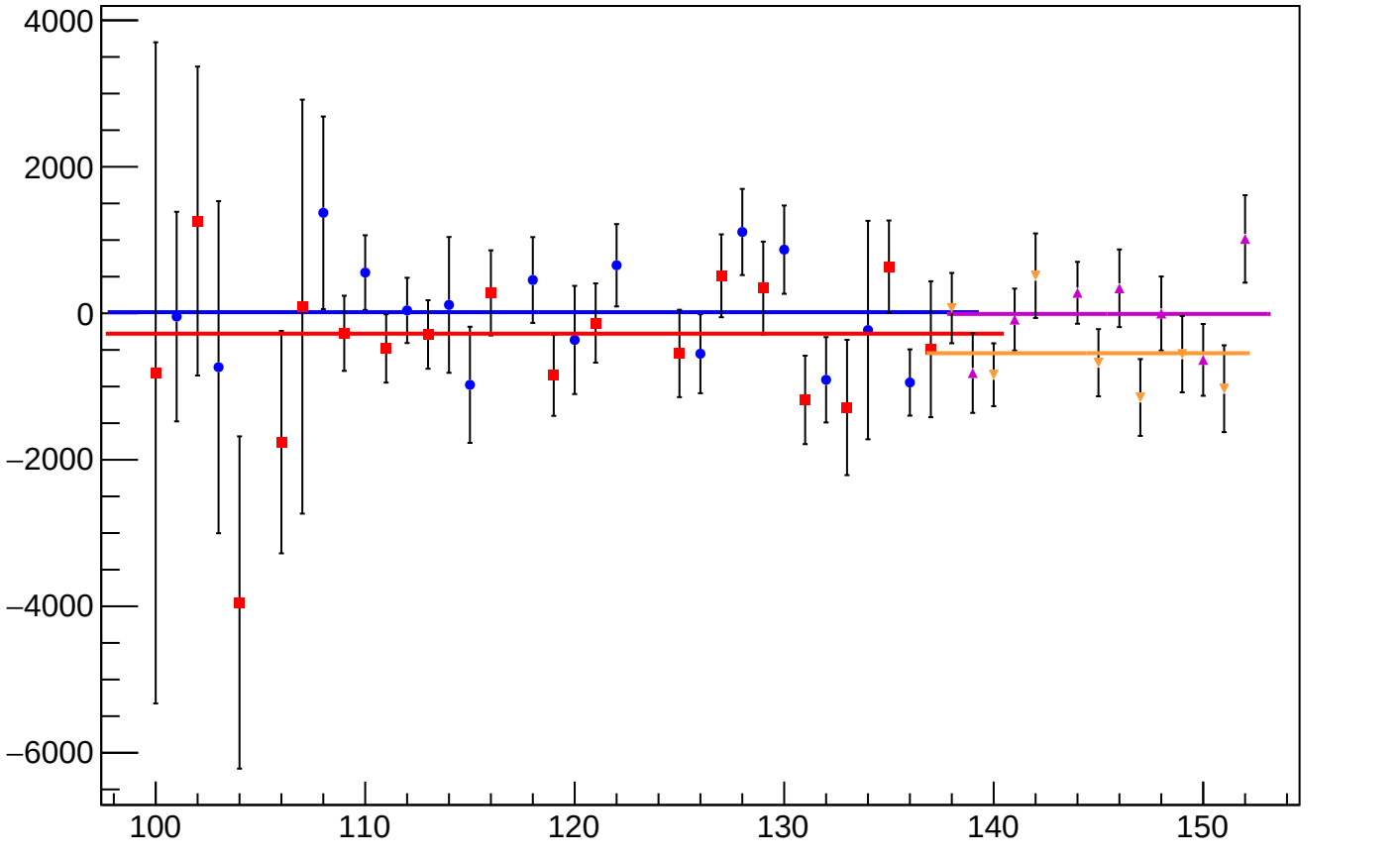
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1118.721+/-0.320 χ^2/NDF:23985.3/6

+ sign 1122.812+/-0.227 χ^2/NDF: 642455.5/22

All: 1124.804+/-0.158 χ^2/NDF: 895235.0/47

- sign 1126.690+/-0.220 χ^2/NDF: 252628.9/24



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -544.603+/-190.000 χ^2/NDF:7.6/6

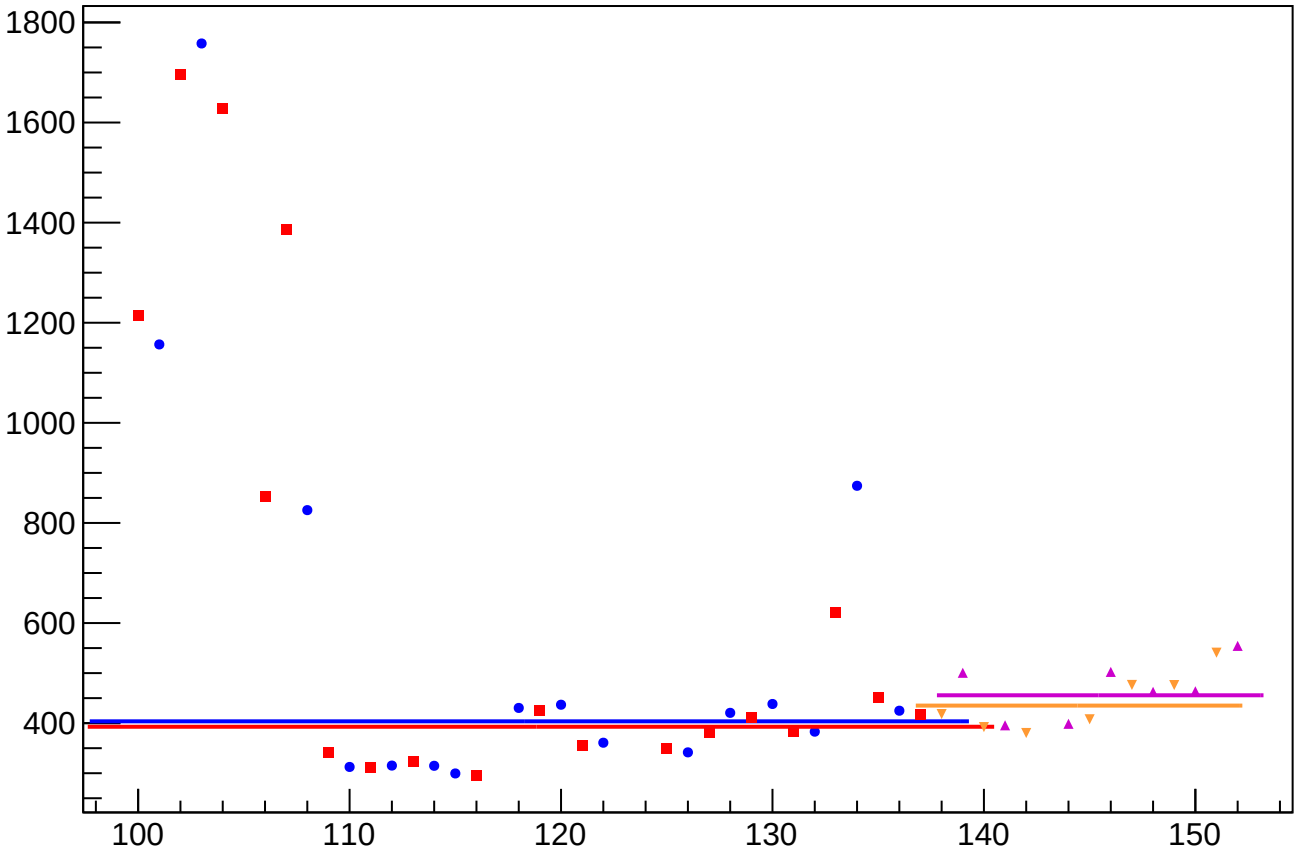
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -8.628+/-185.622 χ^2/NDF:7.7/6

+ sign -220.138+/-123.205 χ^2/NDF: 32.2/22

All: -191.634+/-86.212 χ^2/NDF: 56.3/47

- sign -164.287+/-120.679 χ^2/NDF: 24.0/24



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 435.100+/-0.134 χ^2/NDF:136032.4/6

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

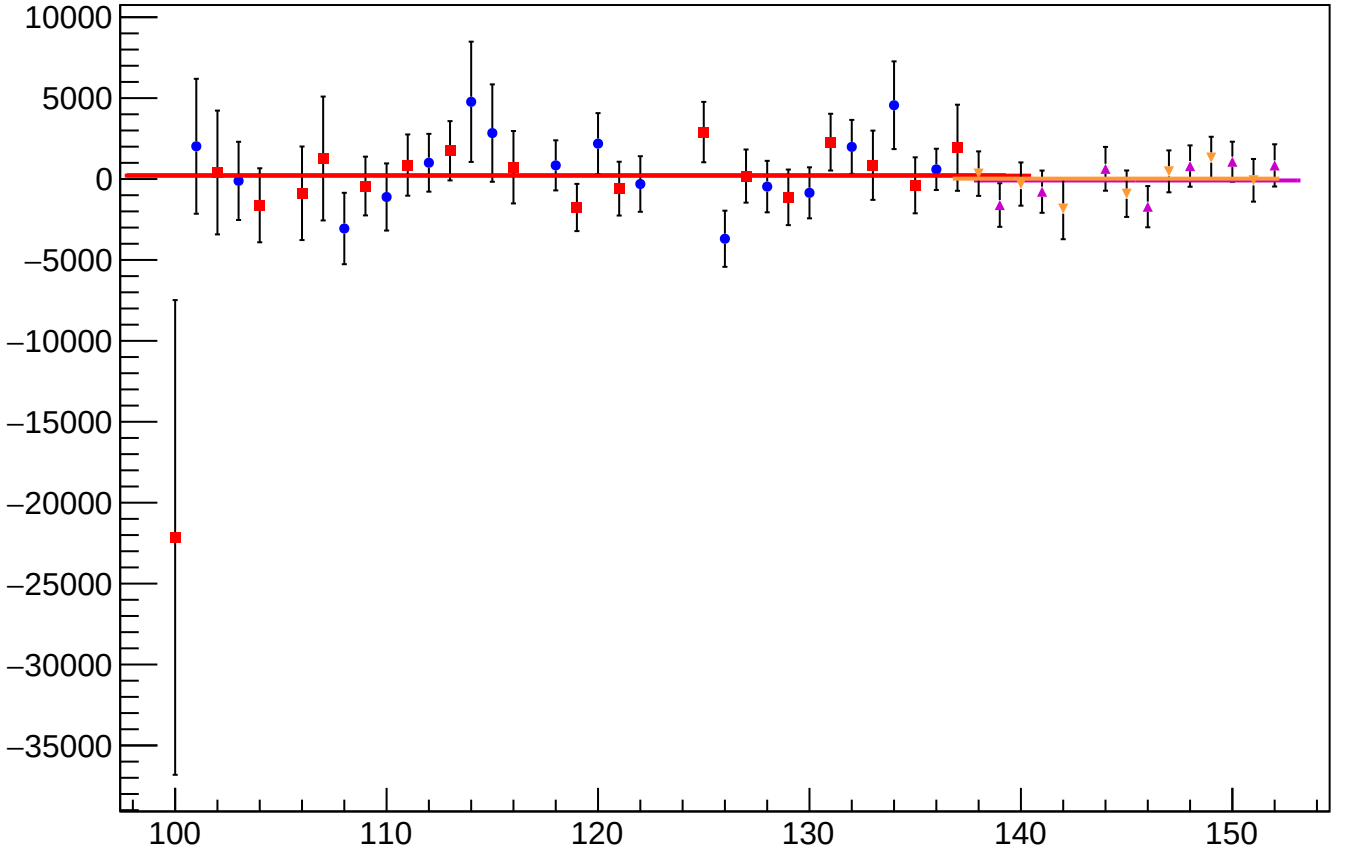
Left In: 455.707+/-0.131 χ^2/NDF:161444.8/6

+ sign 416.876+/-0.087 χ^2/NDF: 2097377.1/22

All: 418.164+/-0.061 χ^2/NDF: 4595253.7/47

- sign 419.399+/-0.085 χ^2/NDF: 2497448.5/24

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 24.144+/-524.969 χ^2/NDF:2.6/6

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

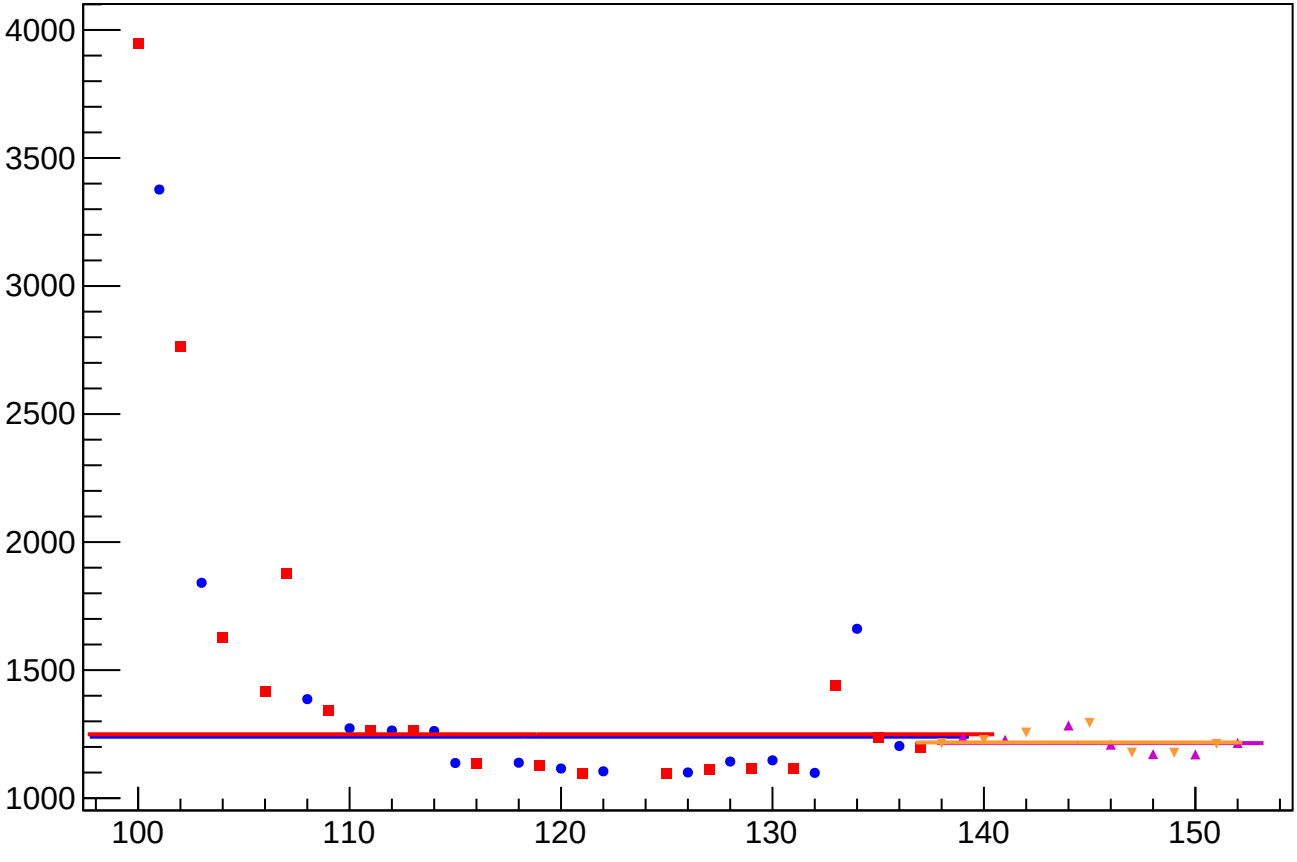
Left In: -88.996+/-490.634 χ^2/NDF:5.3/6

+ sign 134.576+/-352.040 χ^2/NDF: 18.8/22

All: 98.469+/-245.418 χ^2/NDF: 35.3/47

- sign 64.330+/-342.310 χ^2/NDF: 16.5/24

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1217.628+/-0.371 χ^2/NDF:10429.6/6

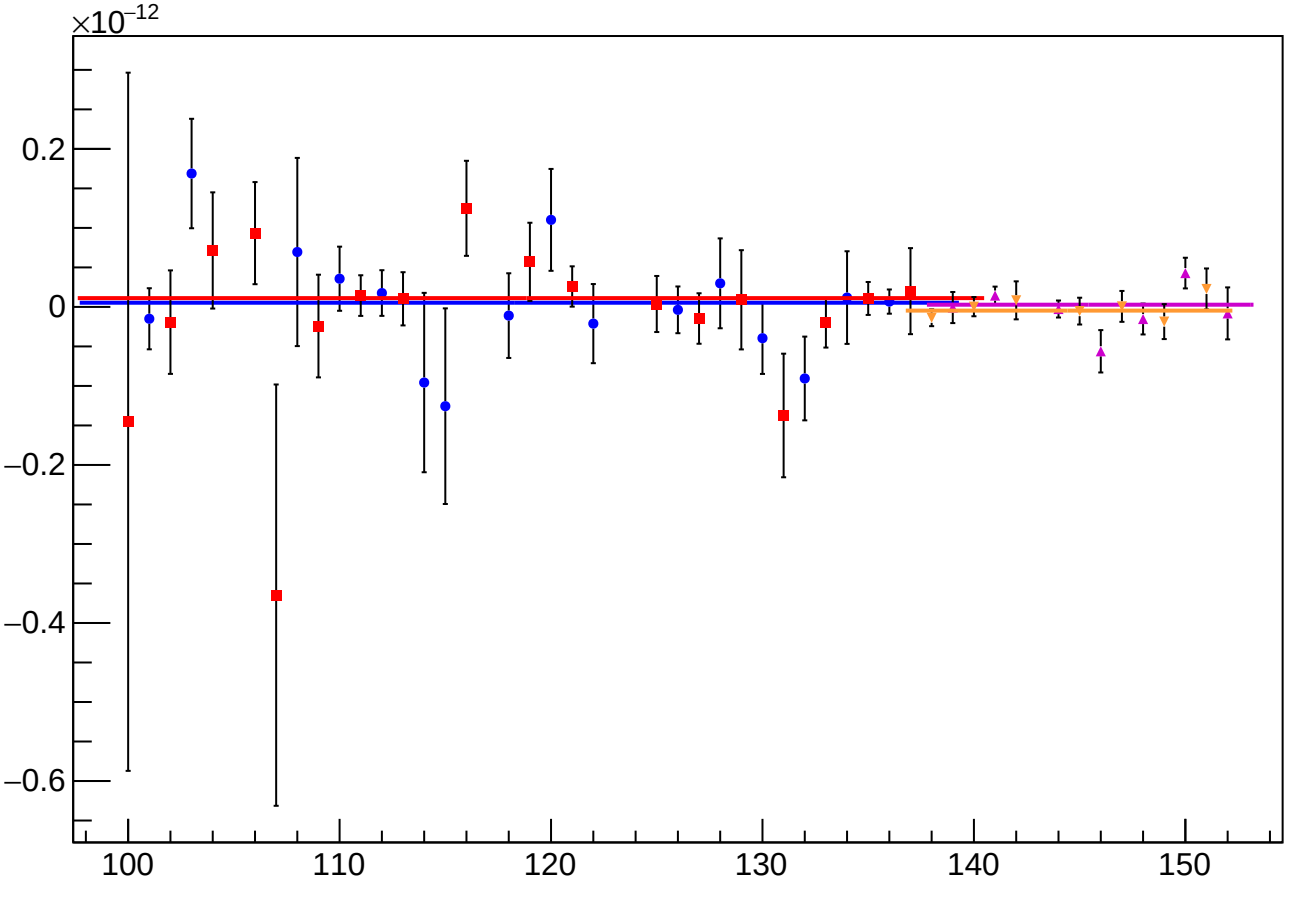
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1215.015+/-0.347 χ^2/NDF:10828.1/6

+ sign 1230.016+/-0.249 χ^2/NDF: 795133.3/22

All: 1231.379+/-0.174 χ^2/NDF: 1417163.6/47

- sign 1232.668+/-0.242 χ^2/NDF: 621972.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.8/6

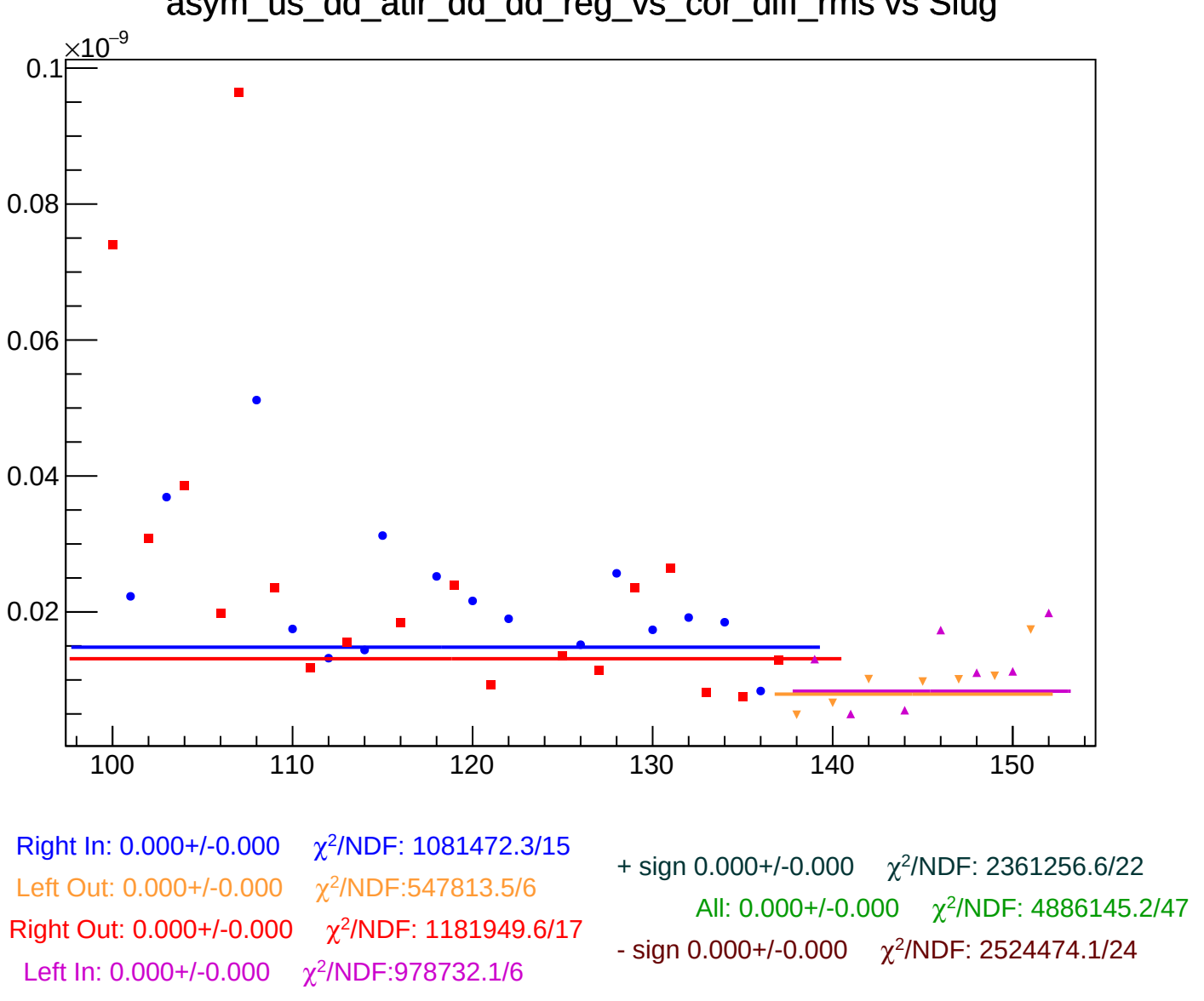
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

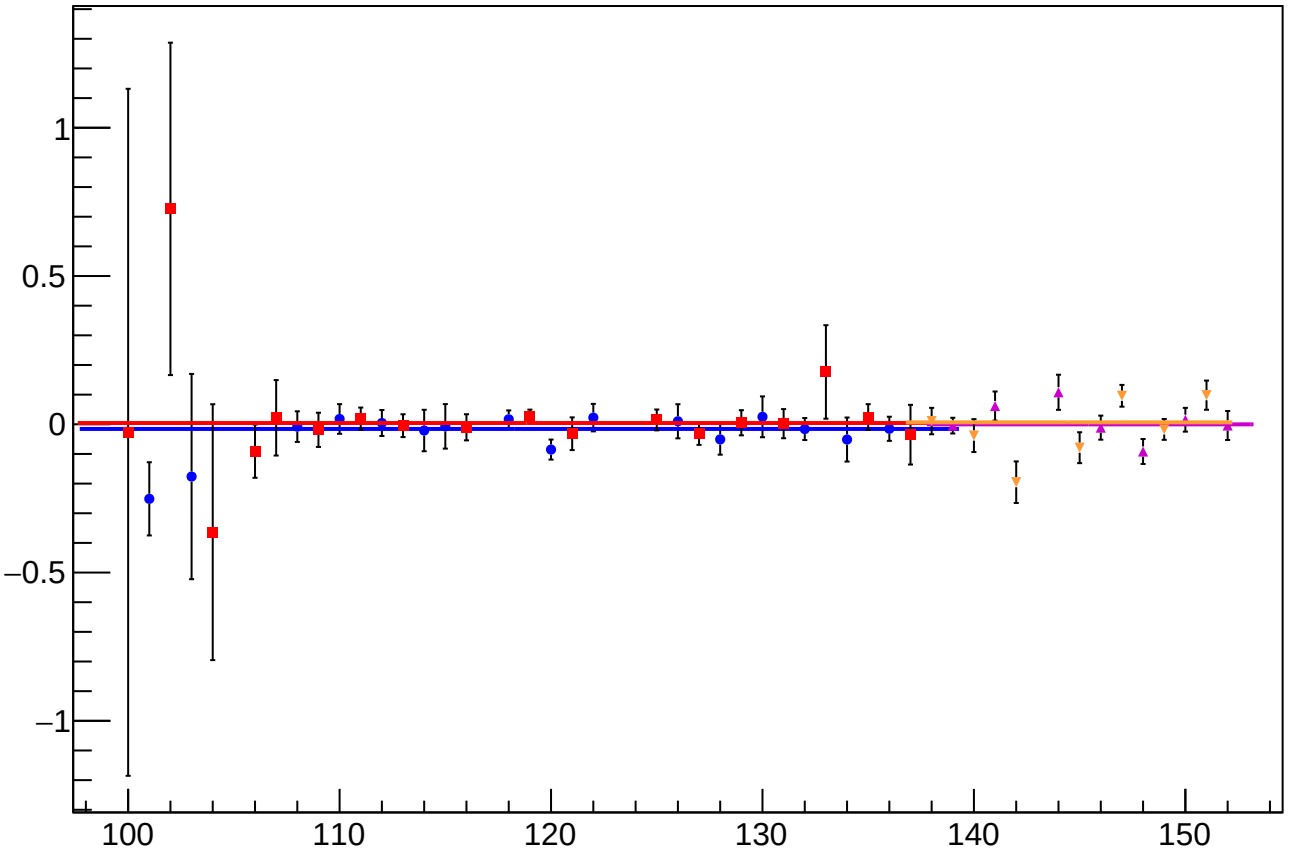
Left In: 0.000+/-0.000 χ^2/NDF:11.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 19.9/22

All: 0.000+/-0.000 χ^2/NDF: 47.8/47

- sign 0.000+/-0.000 χ^2/NDF: 27.0/24


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:547813.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 1181949.6/17
Left In: 0.000+/-0.000 χ²/NDF:978732.1/6
+ sign 0.000+/-0.000 χ²/NDF: 2361256.6/22
All: 0.000+/-0.000 χ²/NDF: 4886145.2/47
- sign 0.000+/-0.000 χ²/NDF: 2524474.1/24



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.007+/-0.017 χ^2/NDF:21.5/6

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

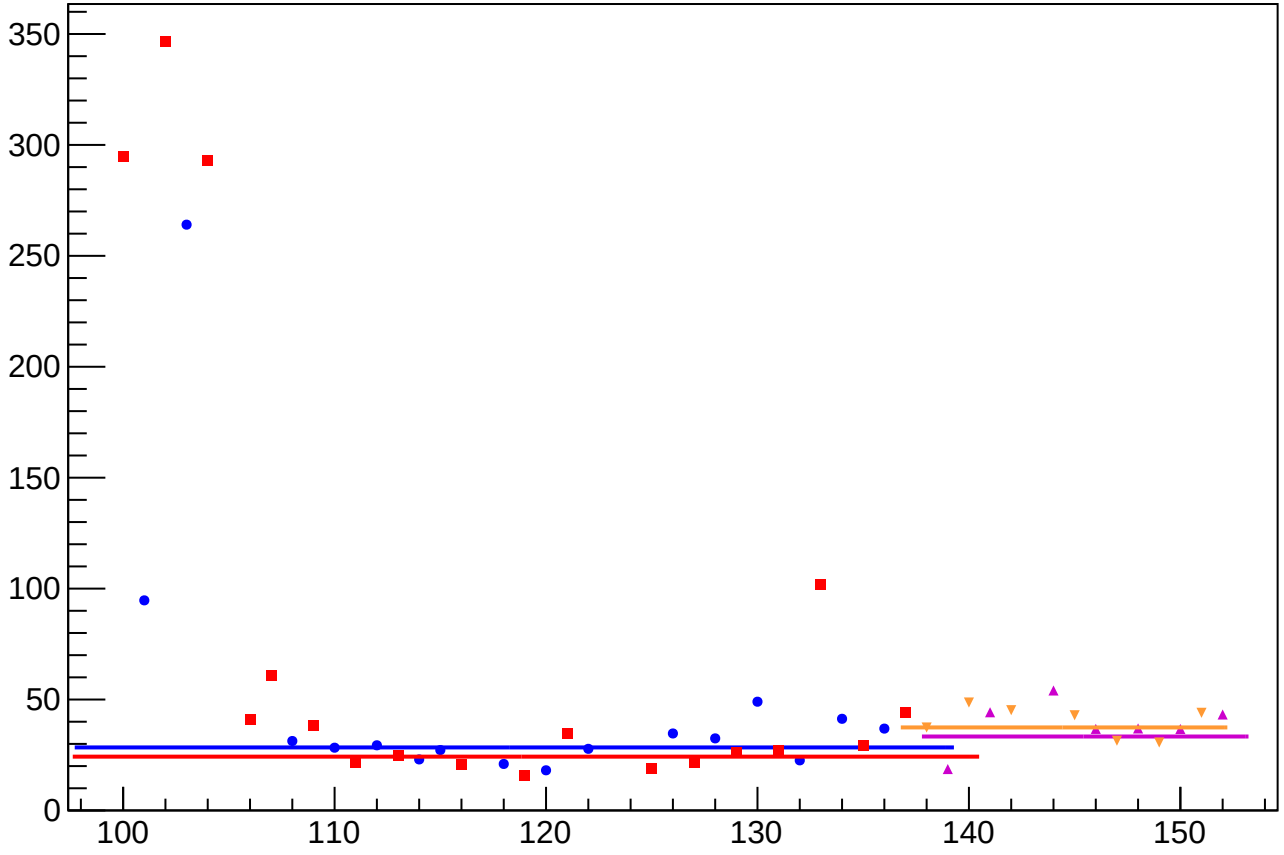
Left In: -0.000+/-0.015 χ^2/NDF:9.9/6

+ sign -0.008+/-0.010 χ^2/NDF: 34.5/22

All: -0.002+/-0.007 χ^2/NDF: 53.0/47

- sign 0.003+/-0.009 χ^2/NDF: 17.8/24

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: 37.425+/-0.012 χ^2/NDF:292549.0/6

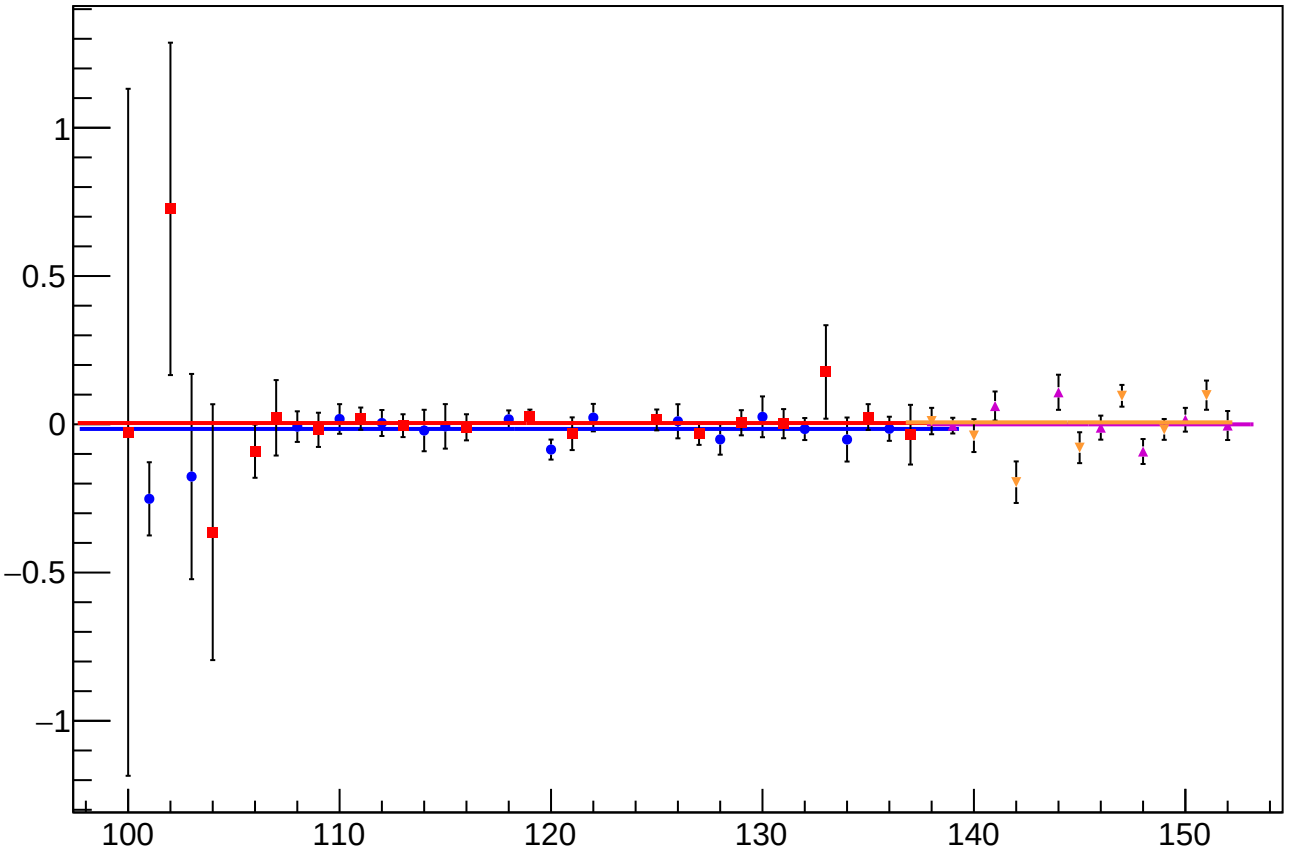
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 33.331+/-0.011 χ^2/NDF:1083130.4/6

+ sign 31.455+/-0.007 χ^2/NDF: 2900489.3/22

All: 29.319+/-0.005 χ^2/NDF: 7519715.2/47

- sign 27.542+/-0.006 χ^2/NDF: 4452566.3/24



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.007+/-0.017 χ^2/NDF:21.5/6

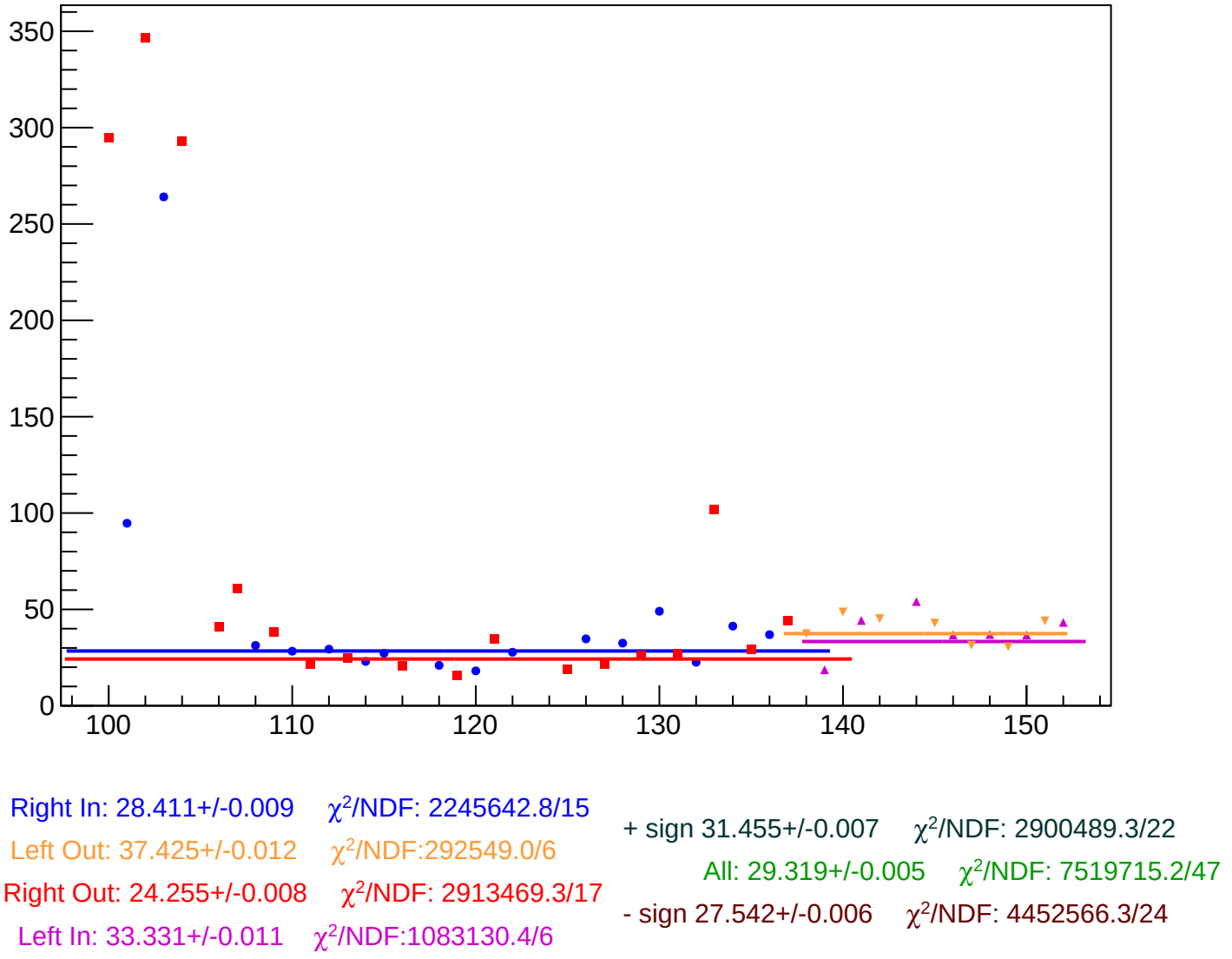
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

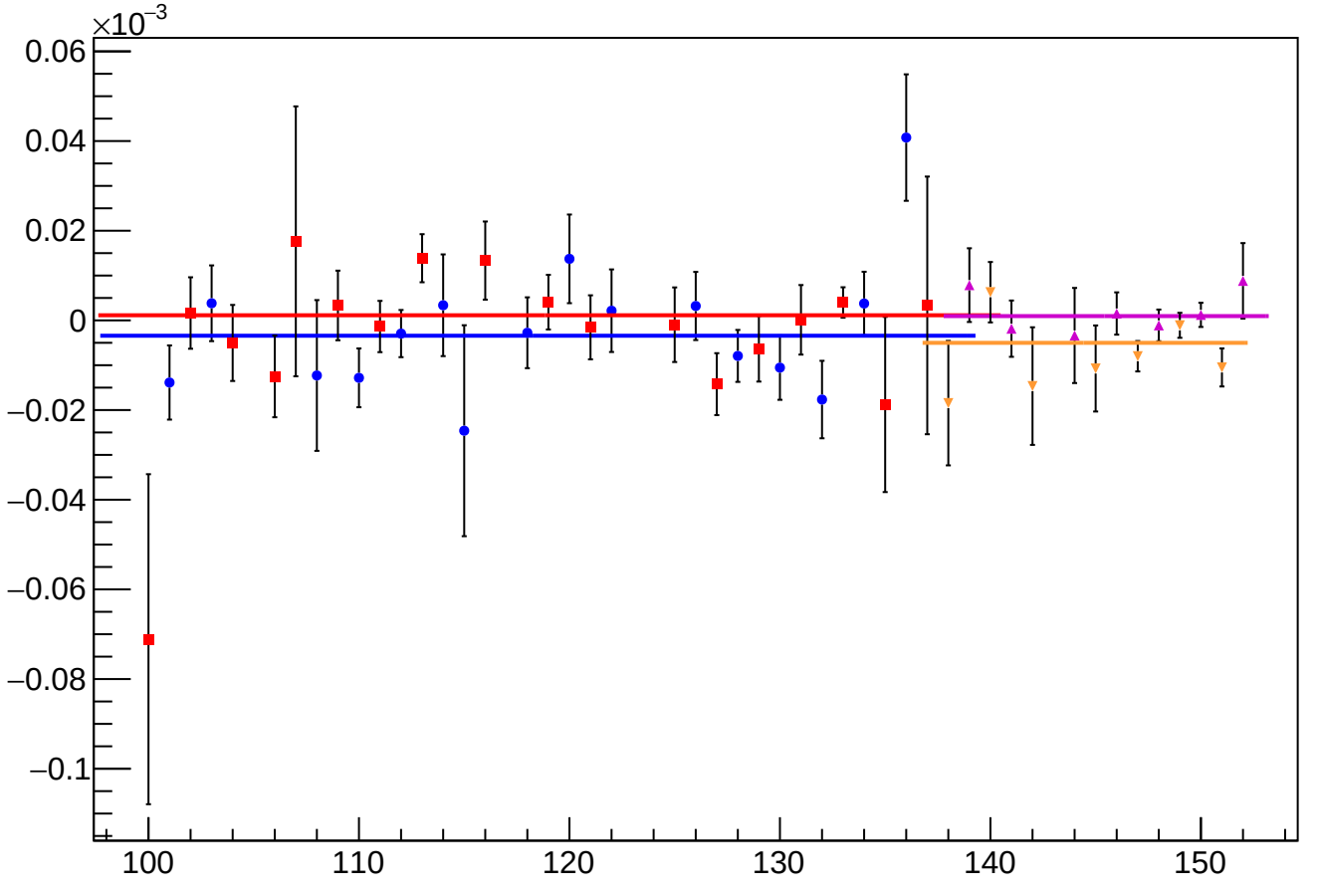
Left In: -0.000+/-0.015 χ^2/NDF:9.9/6

+ sign -0.008+/-0.010 χ^2/NDF: 34.5/22

All: -0.002+/-0.007 χ^2/NDF: 53.0/47

- sign 0.003+/-0.009 χ^2/NDF: 17.8/24


asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
150
Right In: 28.411+/-0.009 χ²/NDF: 2245642.8/15
Left Out: 37.425+/-0.012 χ²/NDF:292549.0/6
Right Out: 24.255+/-0.008 χ²/NDF: 2913469.3/17
Left In: 33.331+/-0.011 χ²/NDF:1083130.4/6
+ sign 31.455+/-0.007 χ²/NDF: 2900489.3/22
All: 29.319+/-0.005 χ²/NDF: 7519715.2/47
- sign 27.542+/-0.006 χ²/NDF: 4452566.3/24



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/6

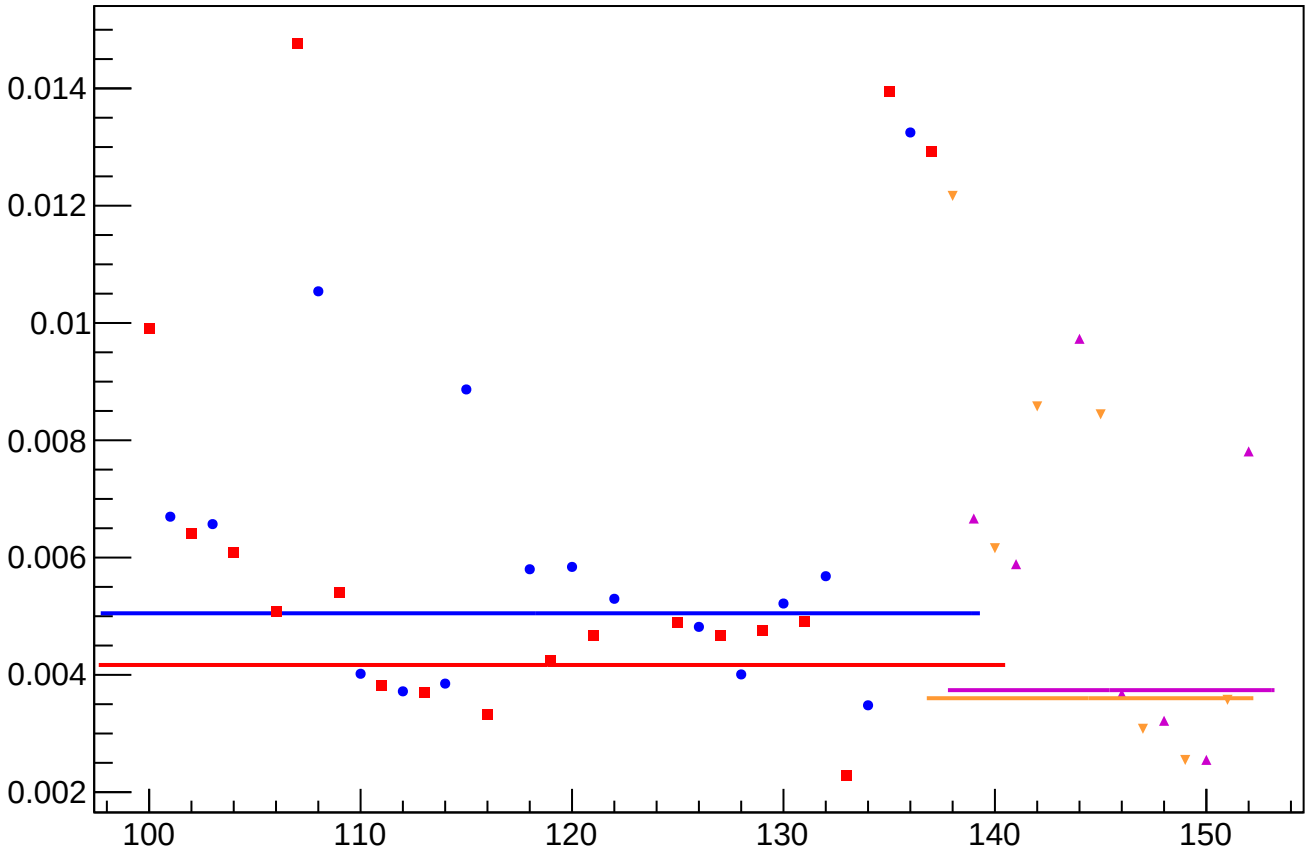
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:2.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/22

All: -0.000+/-0.000 χ^2/NDF: 68.6/47

- sign 0.000+/-0.000 χ^2/NDF: 25.3/24



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2178032.6/6

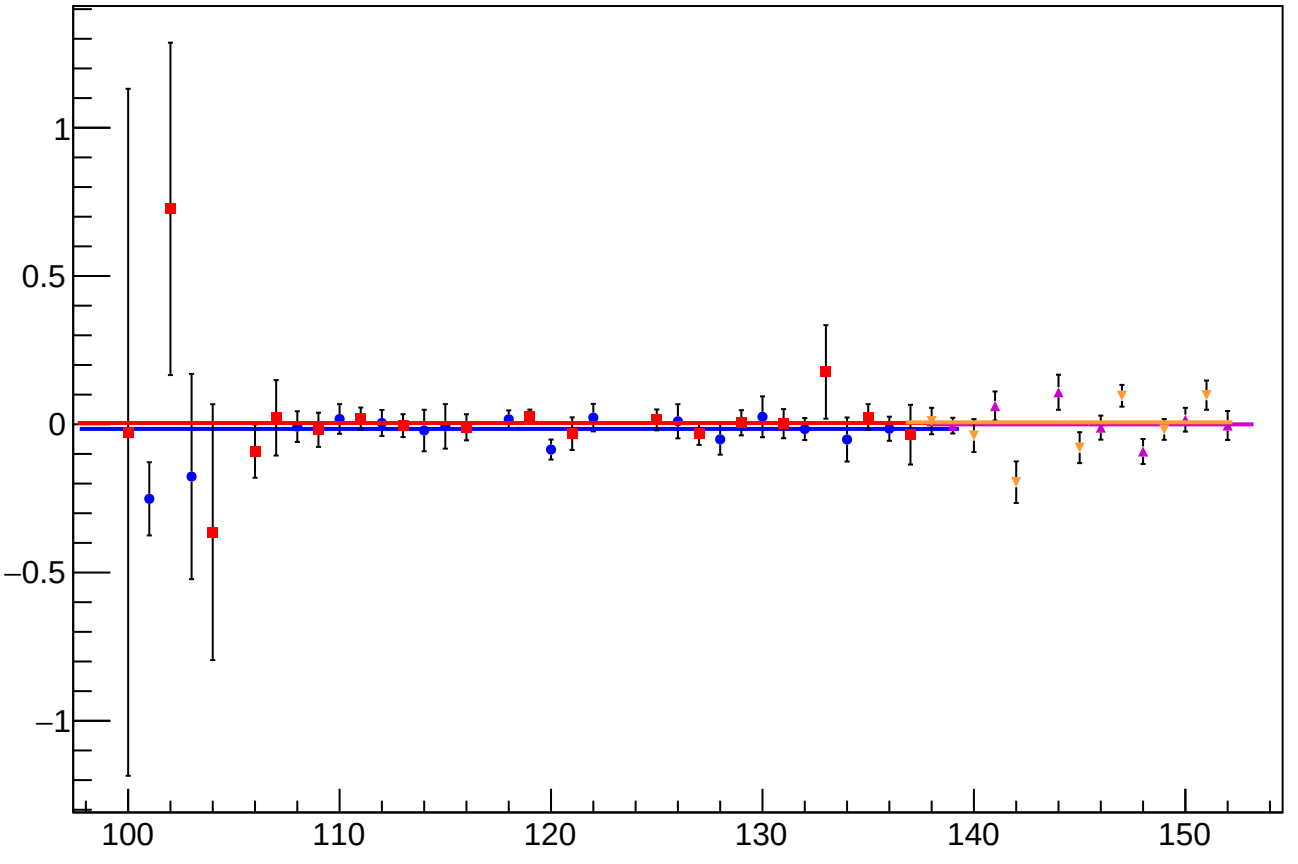
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:2026497.0/6

+ sign 0.004+/-0.000 χ^2/NDF: 4248716.6/22

All: 0.004+/-0.000 χ^2/NDF: 8424799.8/47

- sign 0.004+/-0.000 χ^2/NDF: 4130354.1/24



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.007+/-0.017 χ^2/NDF:21.5/6

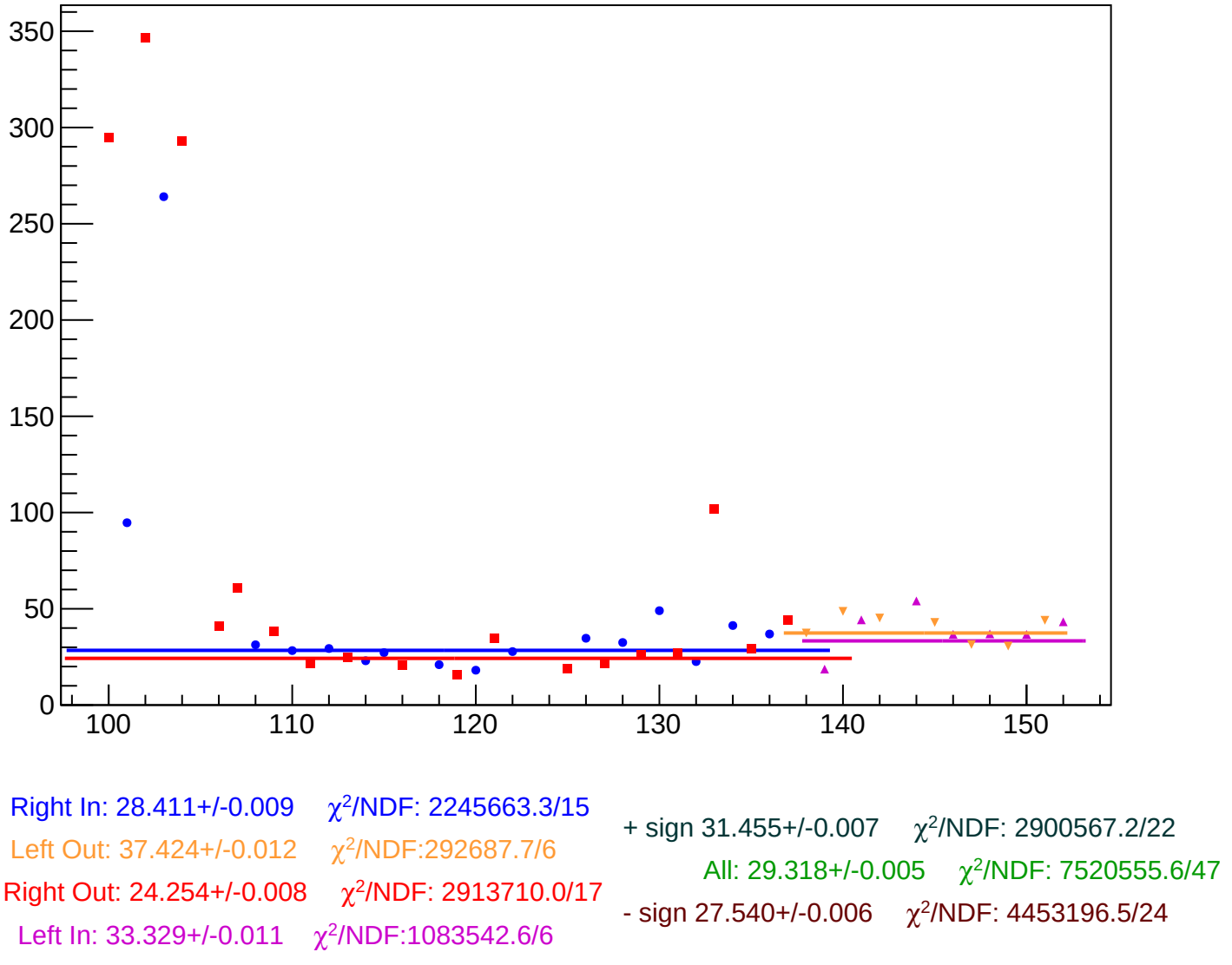
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

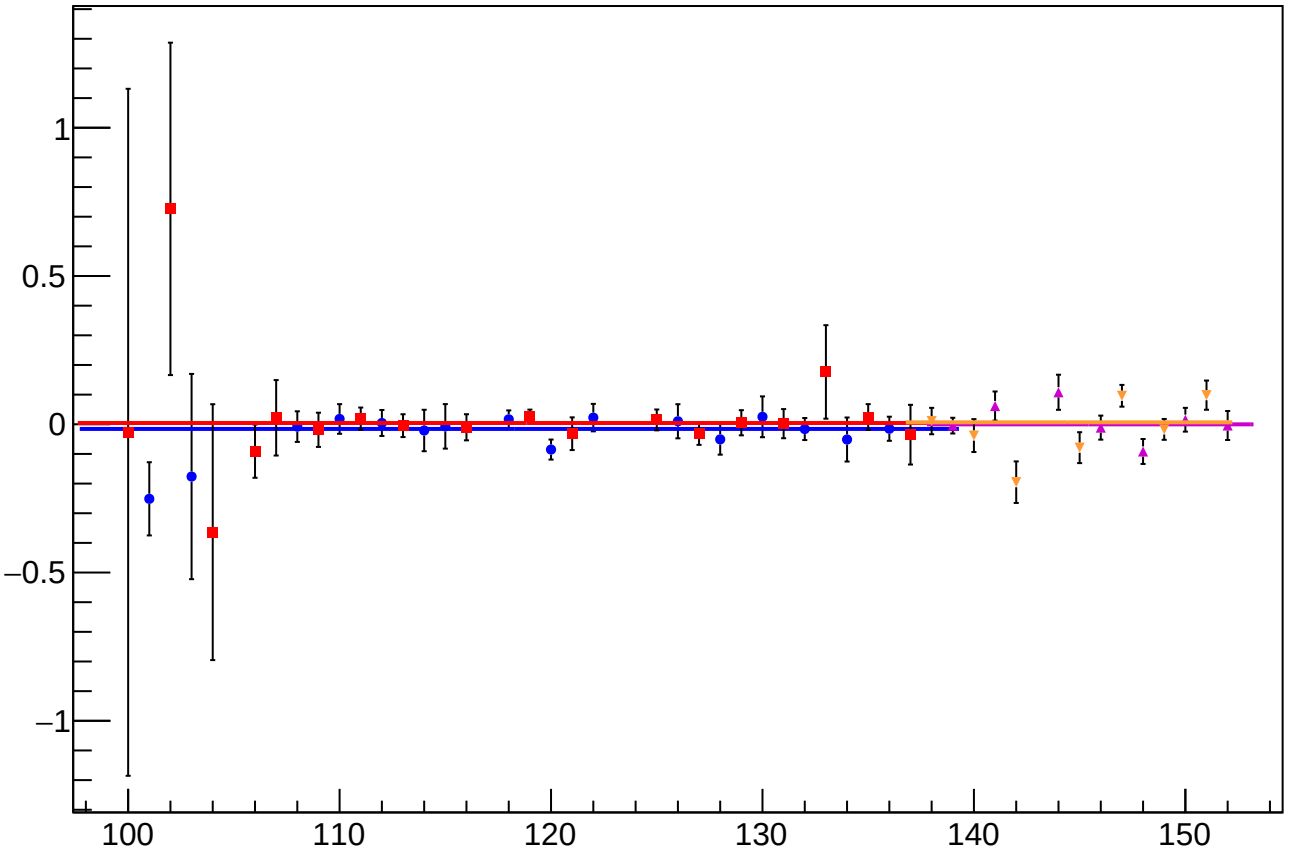
Left In: -0.000+/-0.015 χ^2/NDF:9.9/6

+ sign -0.008+/-0.010 χ^2/NDF: 34.5/22

All: -0.002+/-0.007 χ^2/NDF: 53.0/47

- sign 0.003+/-0.009 χ^2/NDF: 17.8/24


asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
150
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 37.424+/-0.012 χ²/NDF:292687.7/6
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 33.329+/-0.011 χ²/NDF:1083542.6/6
+ sign 31.455+/-0.007 χ²/NDF: 2900567.2/22
All: 29.318+/-0.005 χ²/NDF: 7520555.6/47
- sign 27.540+/-0.006 χ²/NDF: 4453196.5/24



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.007+/-0.017 χ^2/NDF:21.5/6

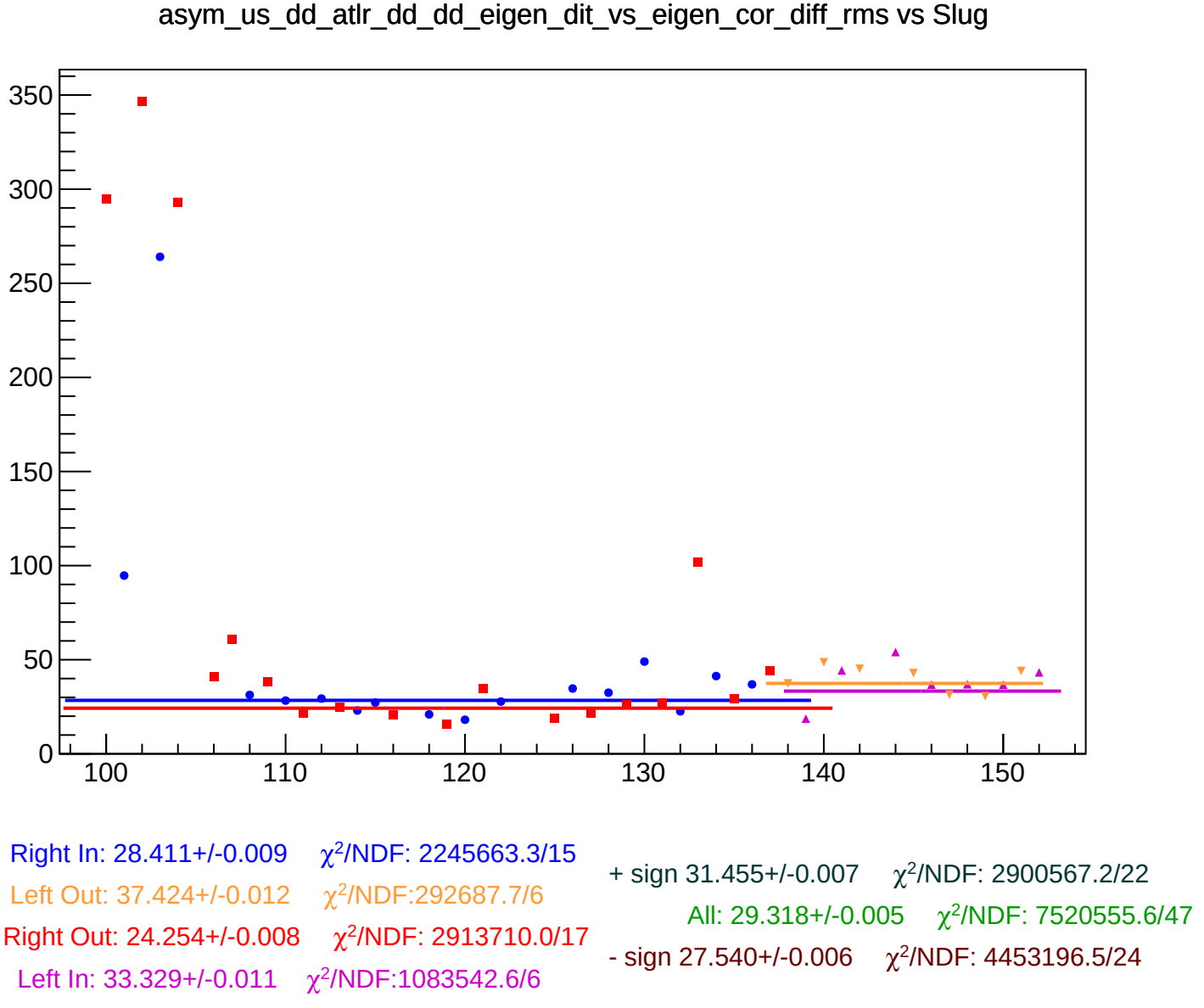
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

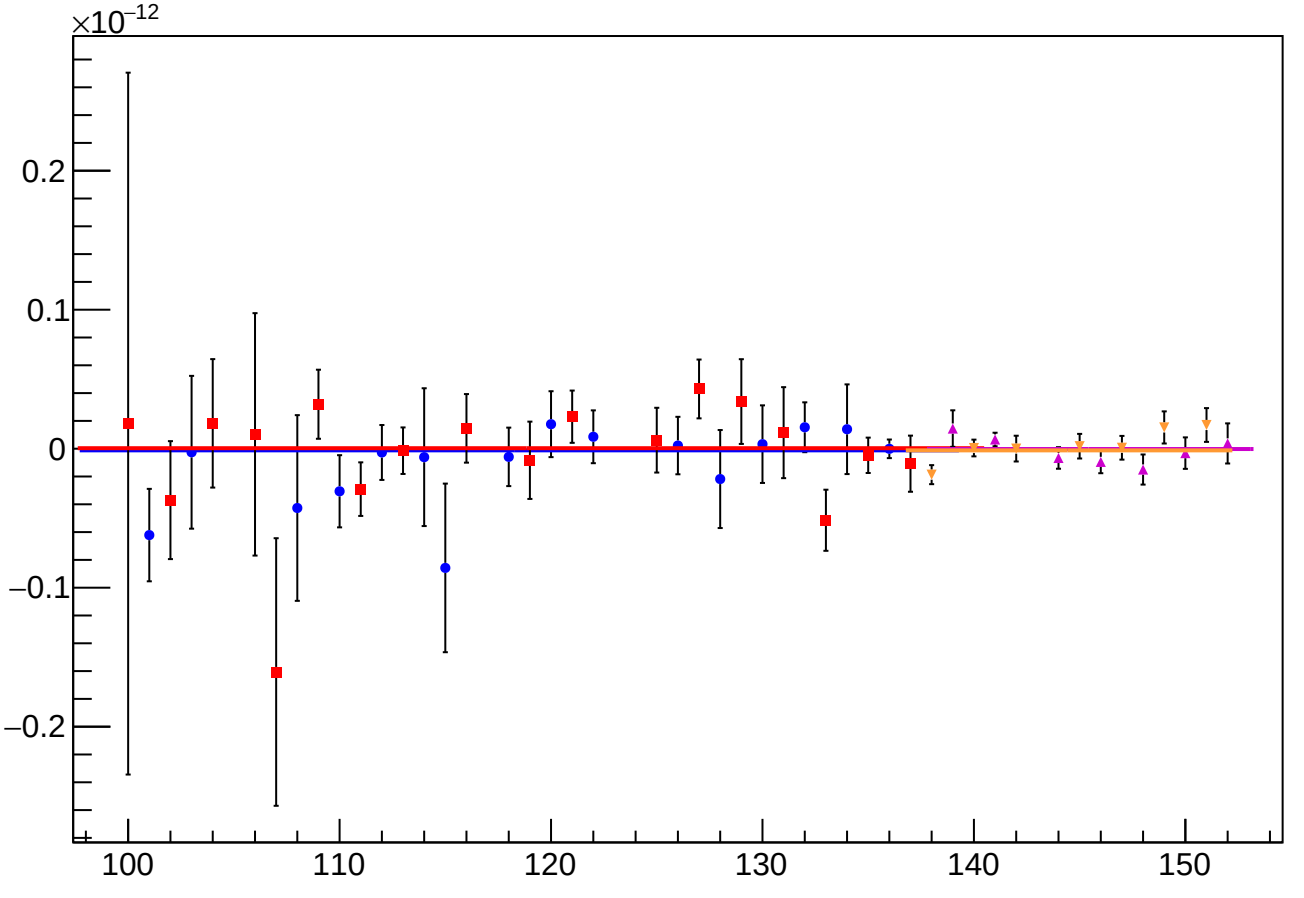
Left In: -0.000+/-0.015 χ^2/NDF:9.9/6

+ sign -0.008+/-0.010 χ^2/NDF: 34.5/22

All: -0.002+/-0.007 χ^2/NDF: 53.0/47

- sign 0.003+/-0.009 χ^2/NDF: 17.8/24


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
150
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 37.424+/-0.012 χ²/NDF:292687.7/6
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 33.329+/-0.011 χ²/NDF:1083542.6/6
+ sign 31.455+/-0.007 χ²/NDF: 2900567.2/22
All: 29.318+/-0.005 χ²/NDF: 7520555.6/47
- sign 27.540+/-0.006 χ²/NDF: 4453196.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/6

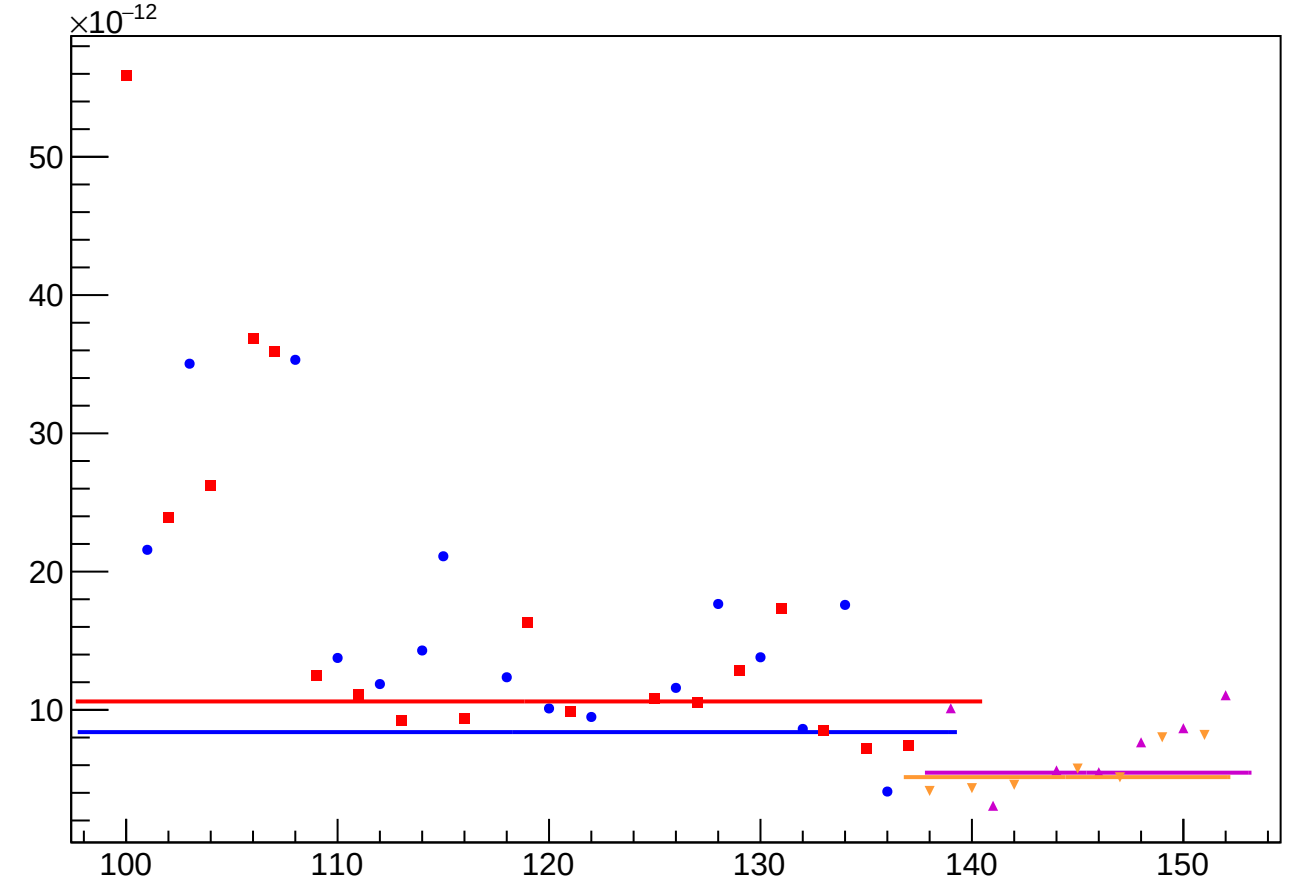
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:7.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 20.5/22

All: -0.000+/-0.000 χ^2/NDF: 48.9/47

- sign -0.000+/-0.000 χ^2/NDF: 28.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:345197.8/6

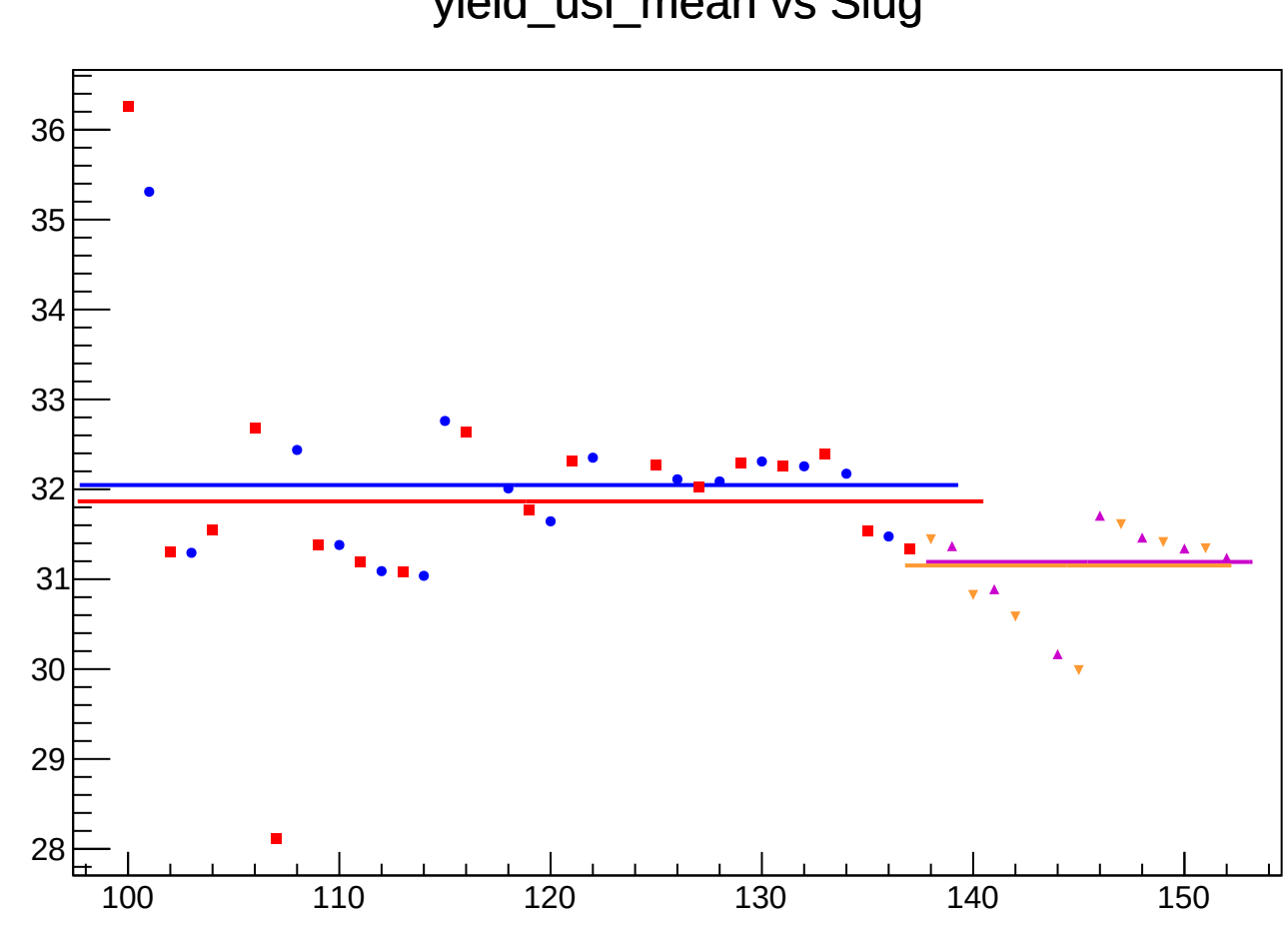
Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1281593.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 3703918.1/22

All: 0.000+/-0.000 χ^2/NDF: 7545293.0/47

- sign 0.000+/-0.000 χ^2/NDF: 3796068.0/24



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.152+/-0.000 χ^2/NDF:183630045.8/6

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

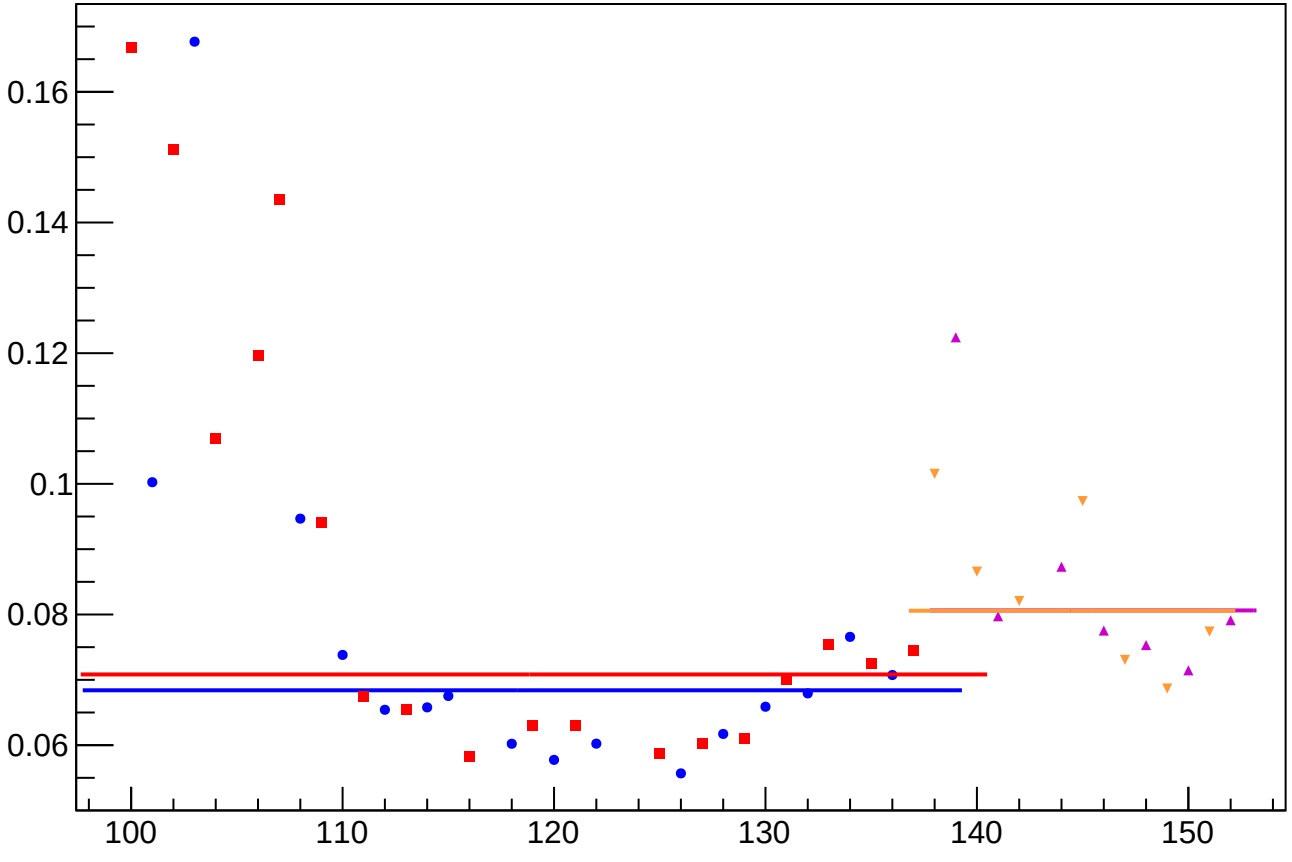
Left In: 31.192+/-0.000 χ^2/NDF:171589869.4/6

+ sign 31.731+/-0.000 χ^2/NDF: 1459981341.9/22

All: 31.664+/-0.000 χ^2/NDF: 2362280644.0/4

- sign 31.596+/-0.000 χ^2/NDF: 883333909.9/24

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:176721.0/6

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

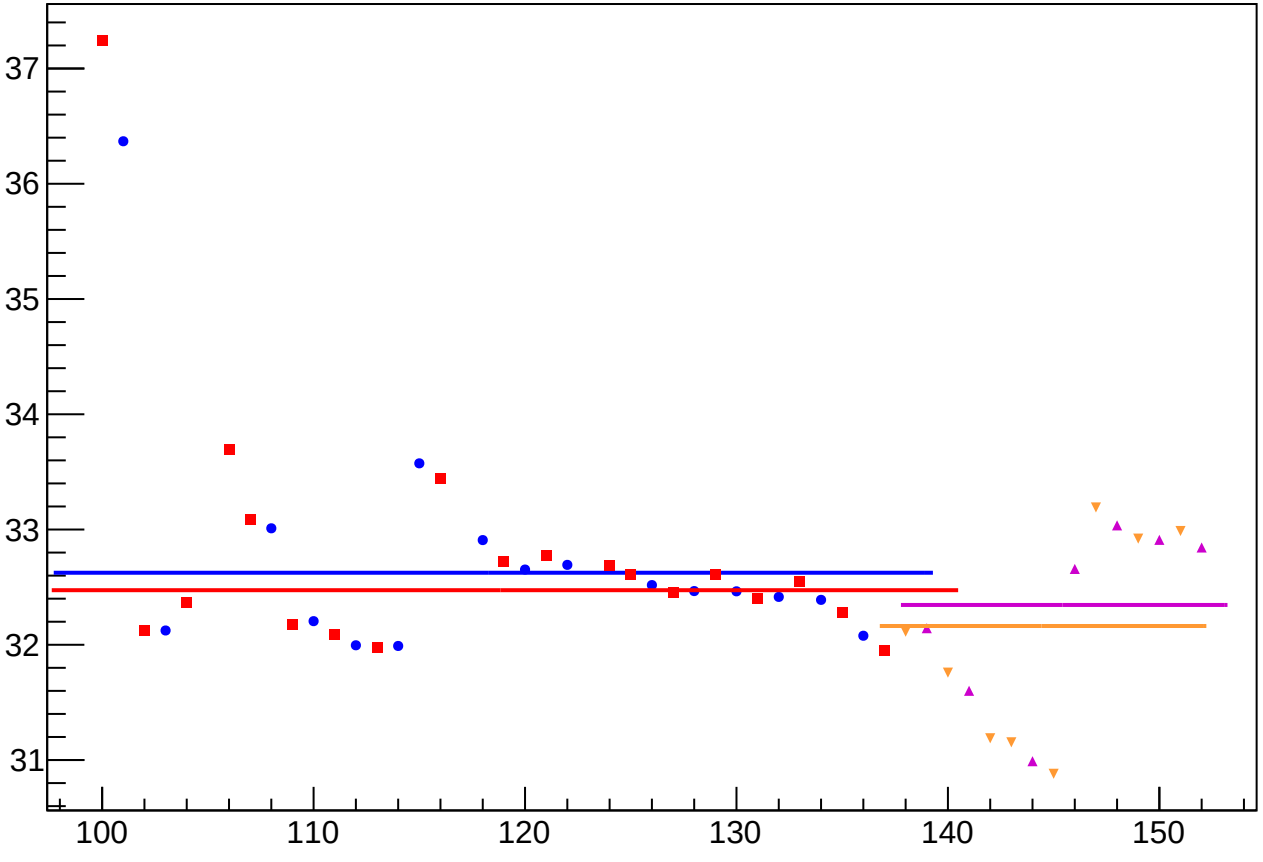
Left In: 0.081+/-0.000 χ^2/NDF:231013.9/6

+ sign 0.073+/-0.000 χ^2/NDF: 1020007.1/22

All: 0.074+/-0.000 χ^2/NDF: 2223468.0/47

- sign 0.075+/-0.000 χ^2/NDF: 1194738.2/24

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.163+/-0.000 χ^2/NDF:715198324.5/7

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

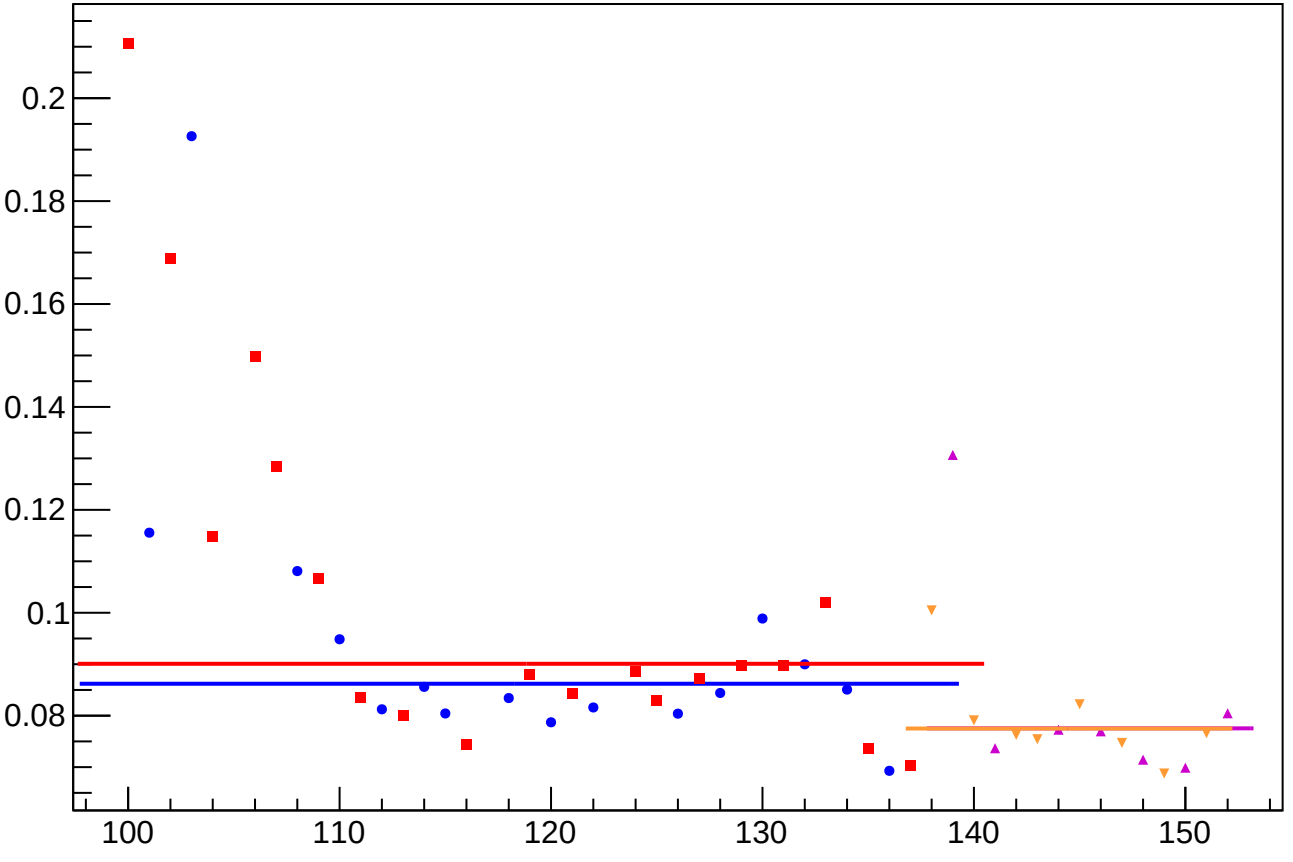
Left In: 32.345+/-0.000 χ^2/NDF:508191885.9/6

+ sign 32.384+/-0.000 χ^2/NDF: 1548241273.8/23

All: 32.395+/-0.000 χ^2/NDF: 2220578007.1/4

- sign 32.405+/-0.000 χ^2/NDF: 671971778.4/25

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:109105.6/7

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

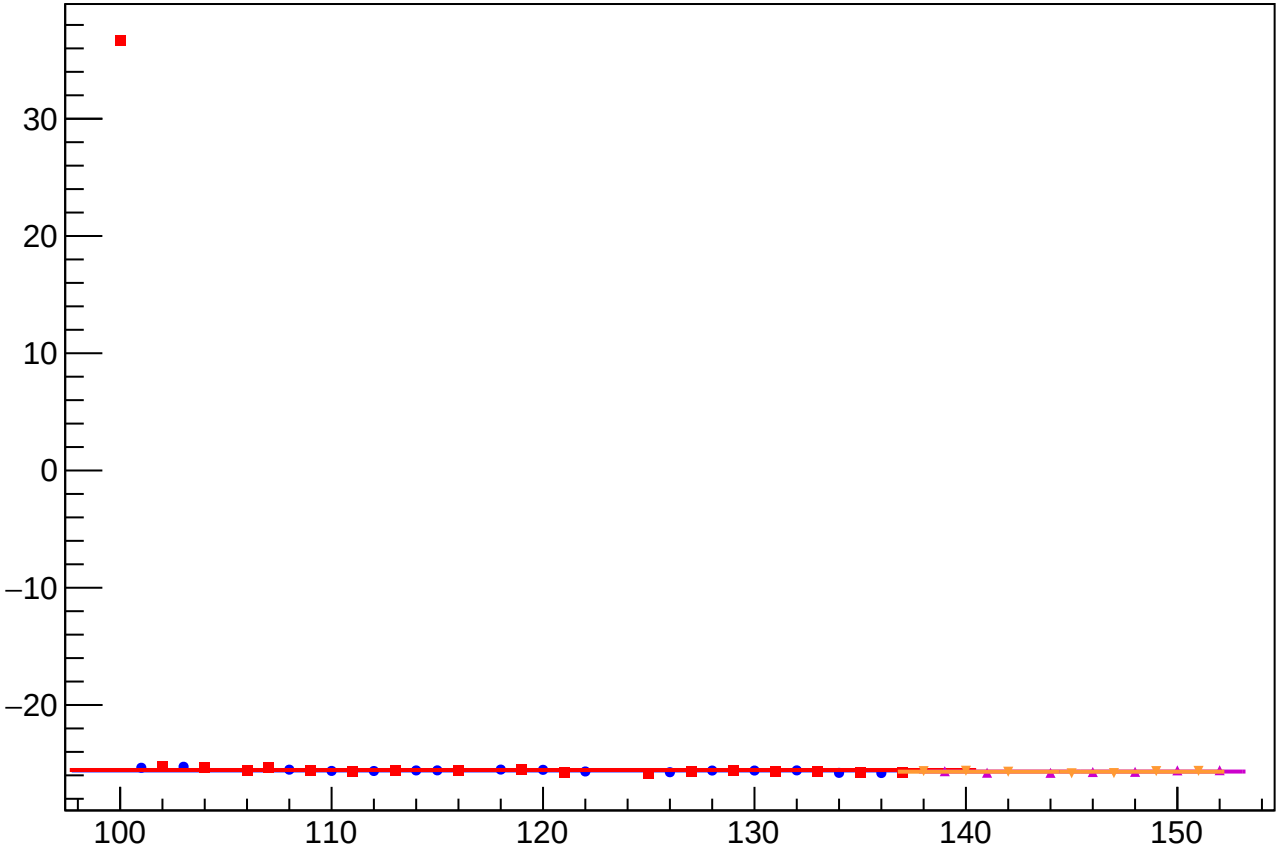
Left In: 0.078+/-0.000 χ^2/NDF:307926.3/6

+ sign 0.082+/-0.000 χ^2/NDF: 774385.5/23

All: 0.083+/-0.000 χ^2/NDF: 1843028.5/49

- sign 0.083+/-0.000 χ^2/NDF: 1063716.9/25

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.688+/-0.000 χ^2/NDF:20338339.5/6

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

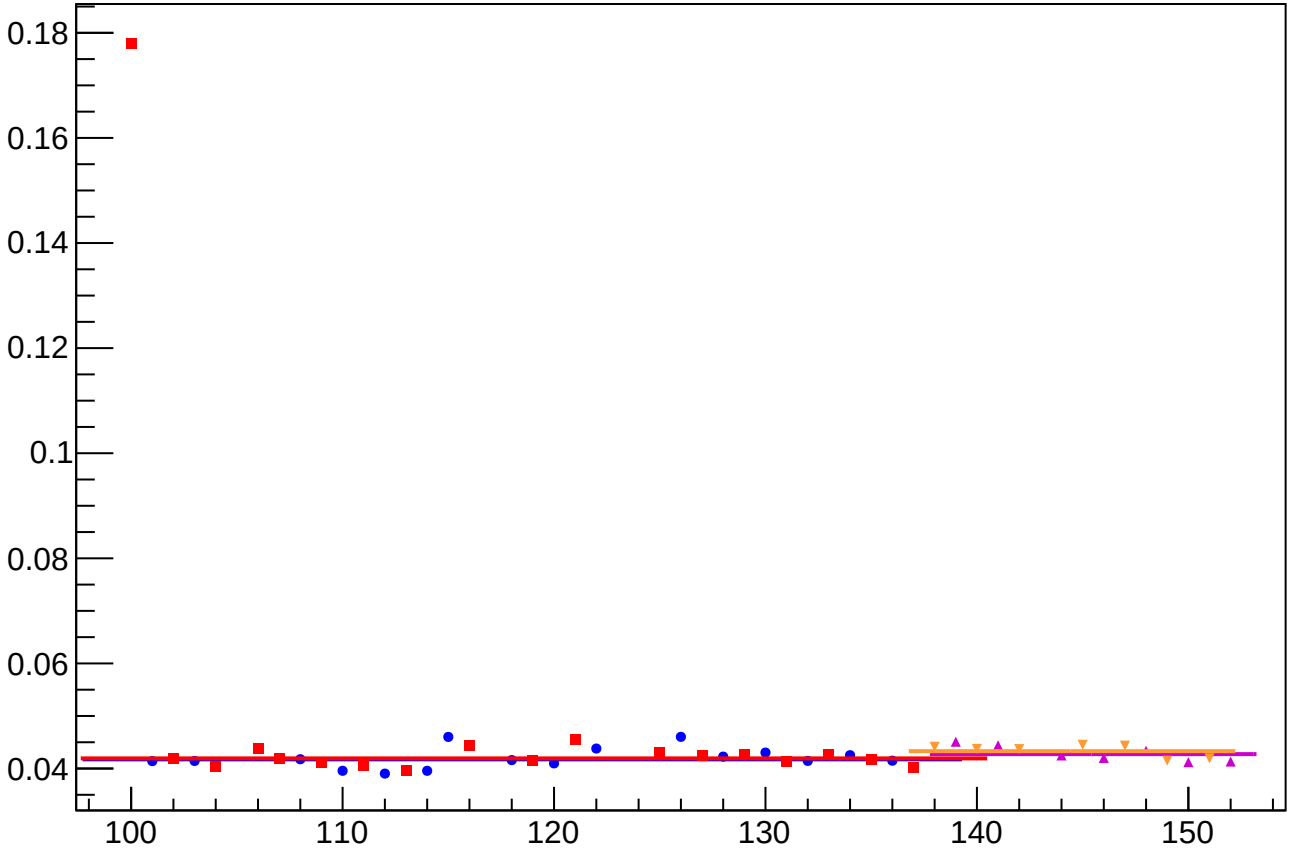
Left In: -25.677+/-0.000 χ^2/NDF:23781266.9/6

+ sign -25.624+/-0.000 χ^2/NDF: 138728133.8/22

All: -25.613+/-0.000 χ^2/NDF: 9104148449.8/

- sign -25.603+/-0.000 χ^2/NDF: 8963933385.4/24

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.043+/-0.000 χ^2/NDF:7789.8/6

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

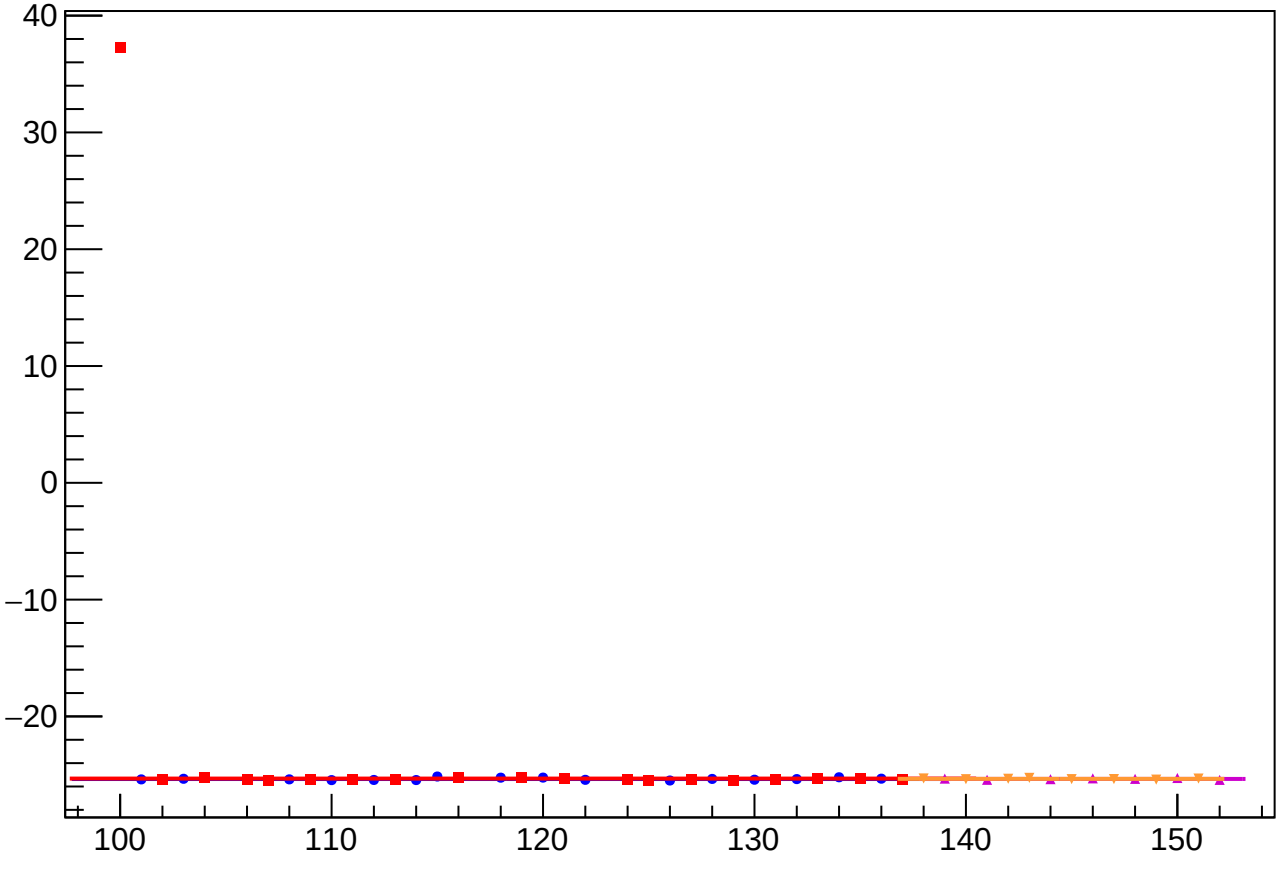
Left In: 0.043+/-0.000 χ^2/NDF:12427.2/6

+ sign 0.042+/-0.000 χ^2/NDF: 36651.0/22

All: 0.042+/-0.000 χ^2/NDF: 151708.6/47

- sign 0.042+/-0.000 χ^2/NDF: 114996.2/24

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.345+/-0.000 χ^2/NDF:3720828.7/7

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

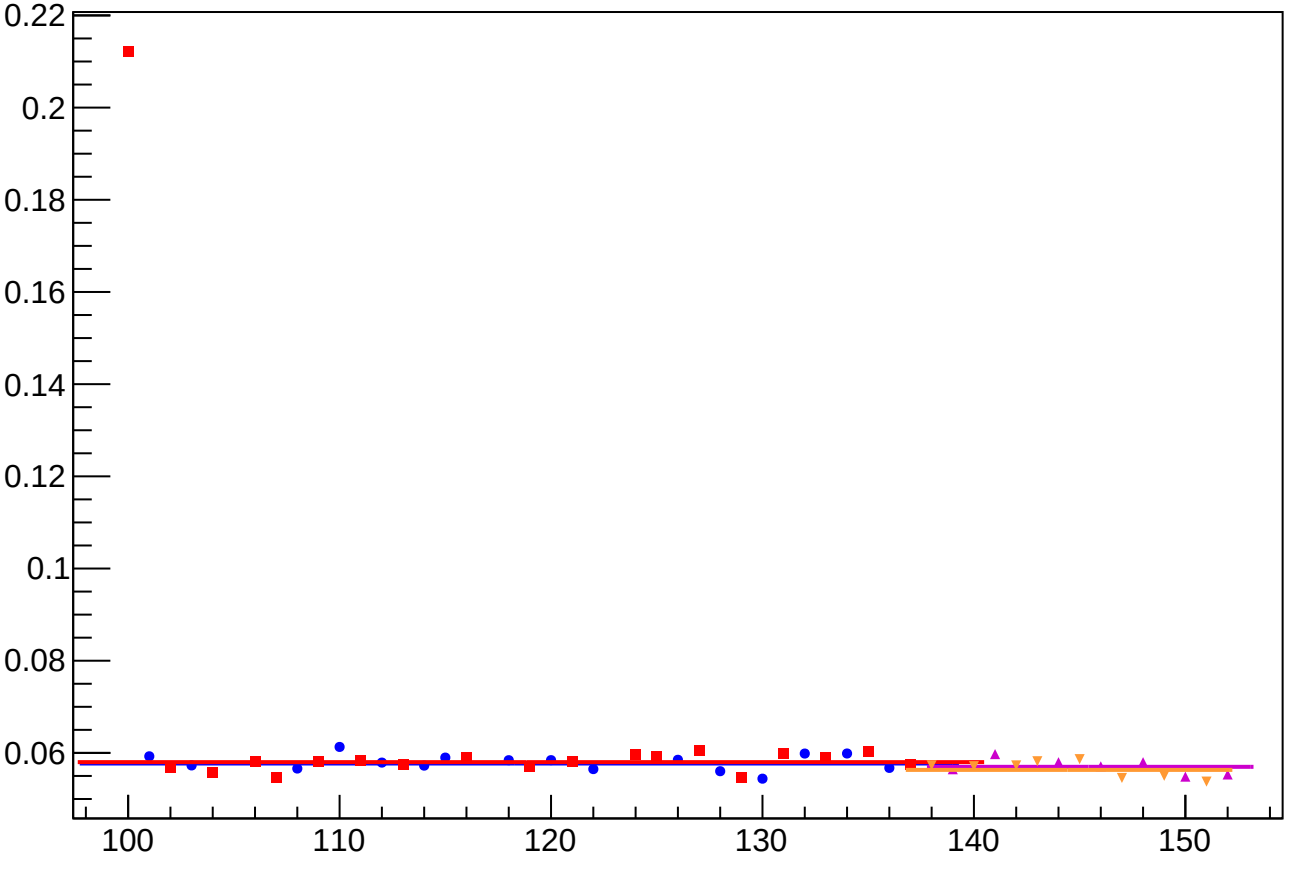
Left In: -25.352+/-0.000 χ^2/NDF:5869514.3/6

+ sign -25.353+/-0.000 χ^2/NDF: 17236823.4/23

All: -25.345+/-0.000 χ^2/NDF: 6339498011.8/

- sign -25.336+/-0.000 χ^2/NDF: 6321685675.0/25

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.056+/-0.000 χ^2/NDF:11261.6/7

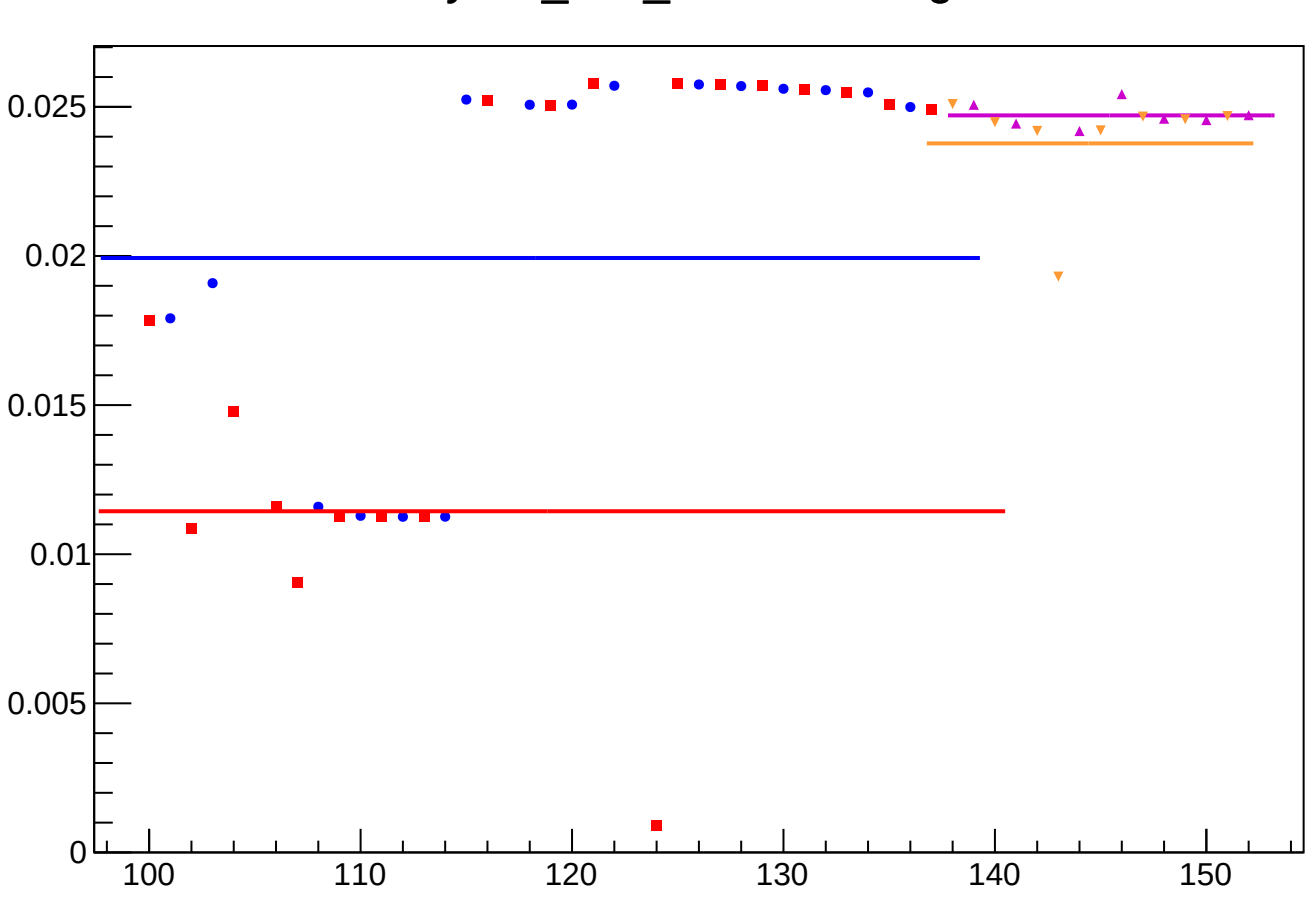
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.057+/-0.000 χ^2/NDF:8904.3/6

+ sign 0.057+/-0.000 χ^2/NDF: 26848.0/23

All: 0.057+/-0.000 χ^2/NDF: 127413.9/49

- sign 0.058+/-0.000 χ^2/NDF: 99628.2/25



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4300405945.4/7

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

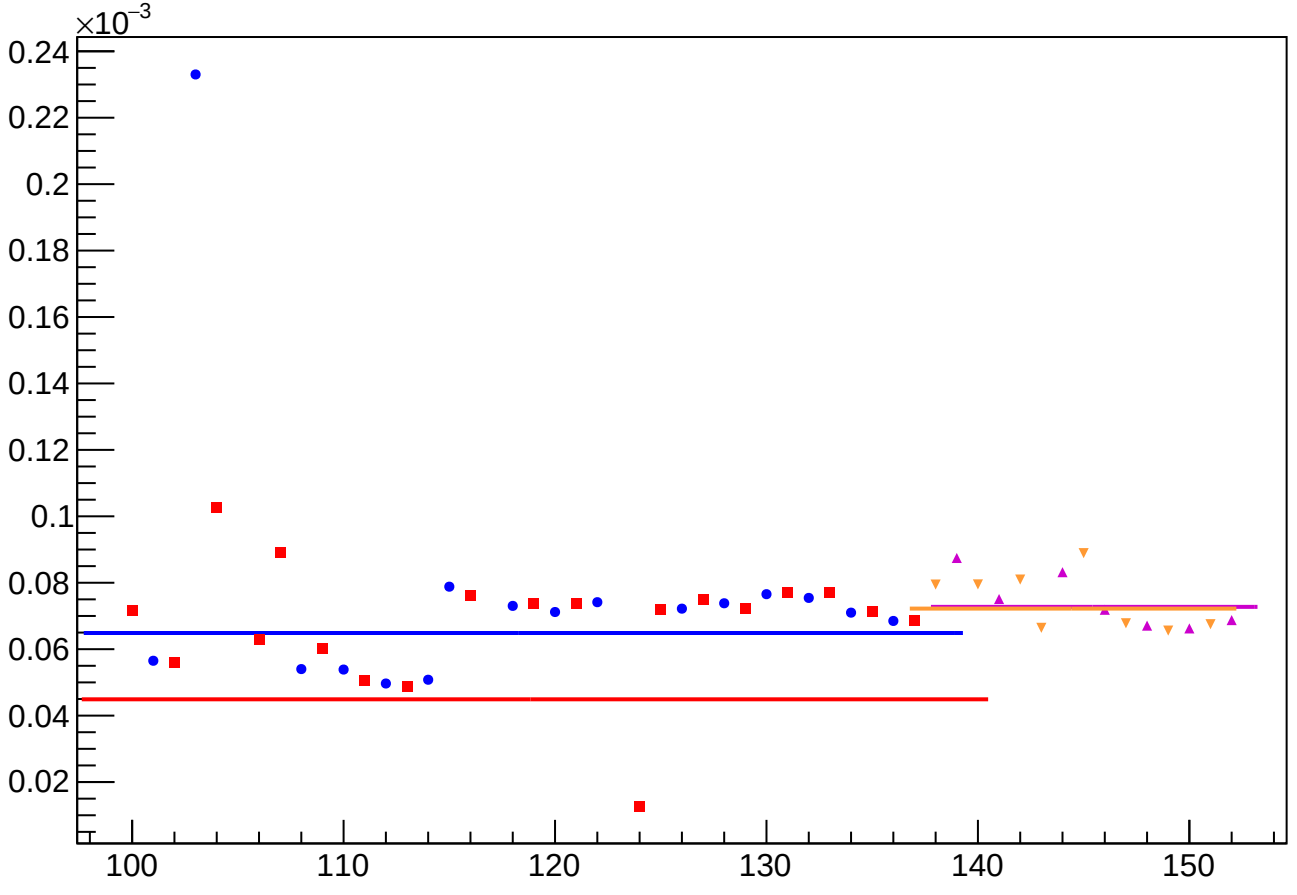
Left In: 0.025+/-0.000 χ^2/NDF:152267212.8/6

+ sign 0.022+/-0.000 χ^2/NDF: 76473961544.5/23

All: 0.018+/-0.000 χ^2/NDF: 523390702612.3

- sign 0.016+/-0.000 χ^2/NDF: 390428182212.7/25

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:134337.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

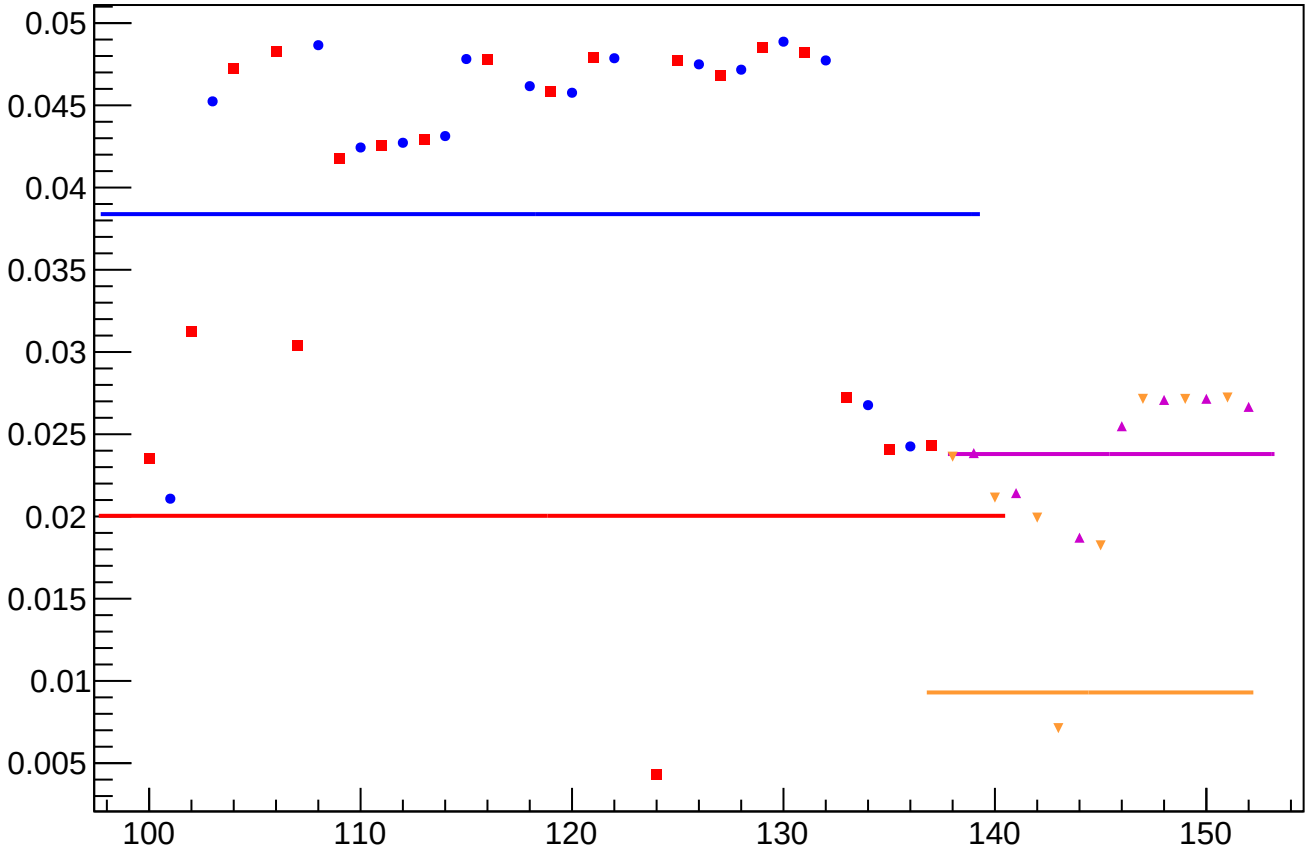
Left In: 0.000+/-0.000 χ^2/NDF:109448.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 1022247.9/23

All: 0.000+/-0.000 χ^2/NDF: 6754942.8/49

- sign 0.000+/-0.000 χ^2/NDF: 5079393.5/25

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:16315254940.6/7

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

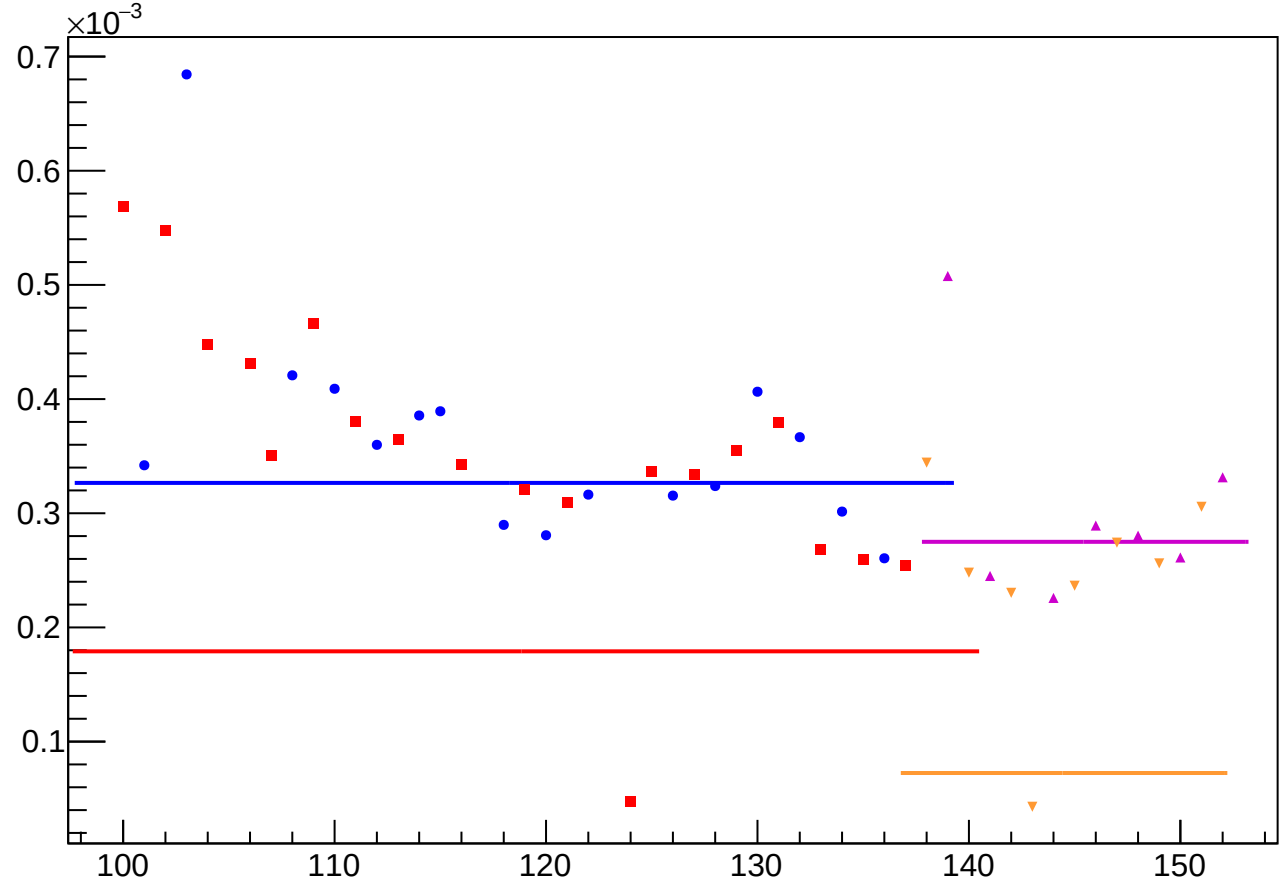
Left In: 0.024+/-0.000 χ^2/NDF:813953683.5/6

+ sign 0.012+/-0.000 χ^2/NDF: 68200882875.2/23

All: 0.015+/-0.000 χ^2/NDF: 123590330947.1

- sign 0.021+/-0.000 χ^2/NDF: 43630677383.0/25

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5868258.1/7

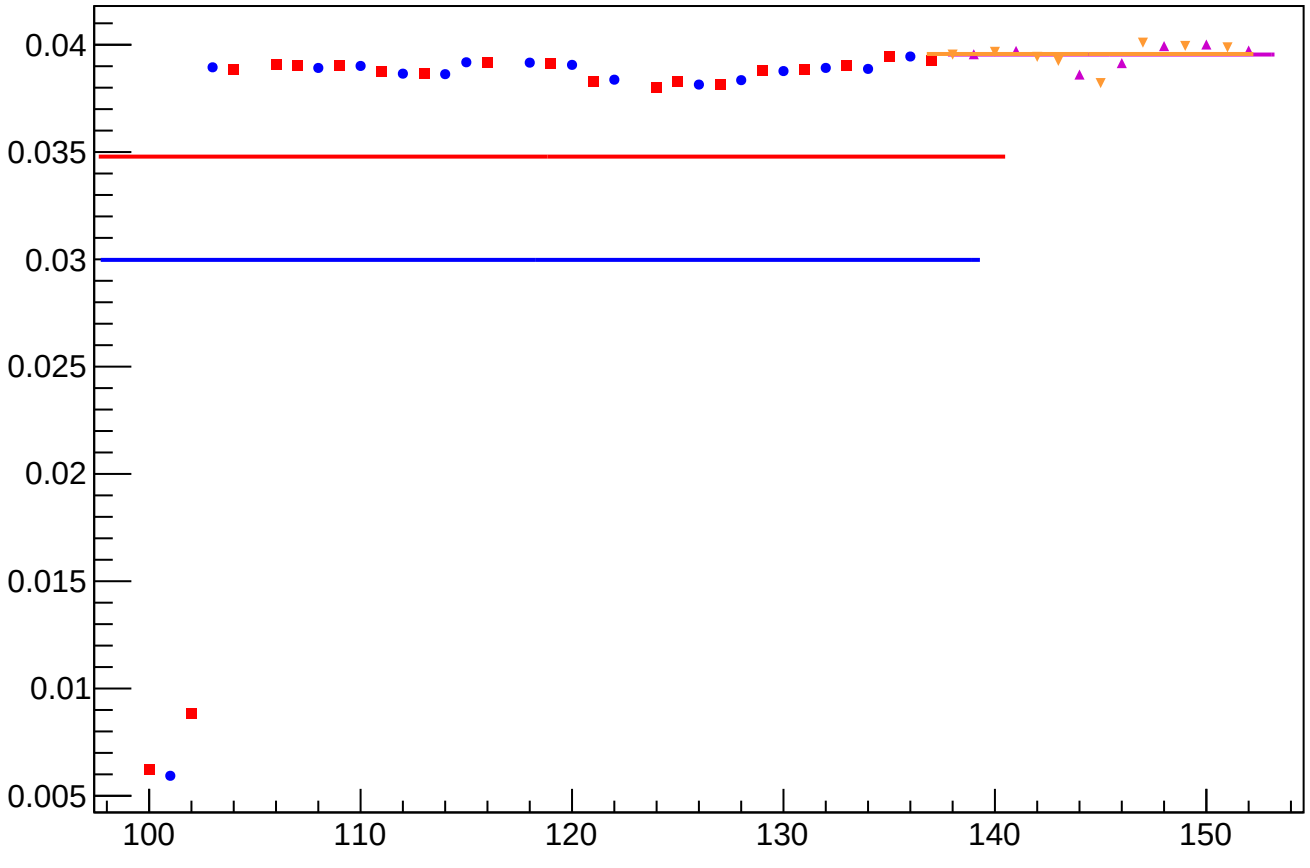
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:491863.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 13288683.2/23

All: 0.000+/-0.000 χ^2/NDF: 24058033.3/49

- sign 0.000+/-0.000 χ^2/NDF: 6976535.6/25



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:92071895.4/7

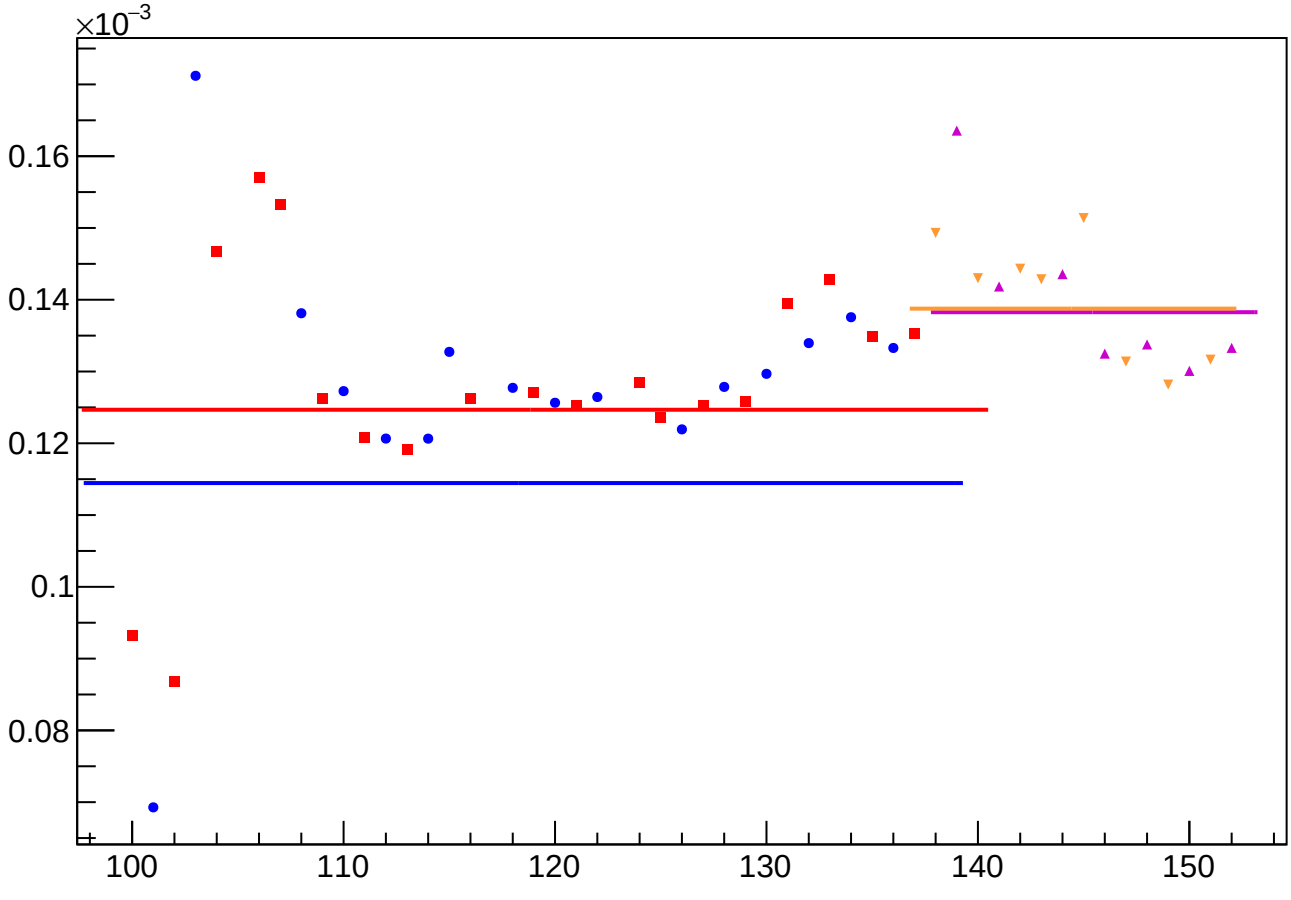
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:65678824.4/6

+ sign 0.034+/-0.000 χ^2/NDF: 126044330420.2/23

All: 0.035+/-0.000 χ^2/NDF: 181342486098.1

- sign 0.037+/-0.000 χ^2/NDF: 51459556833.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:43447.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

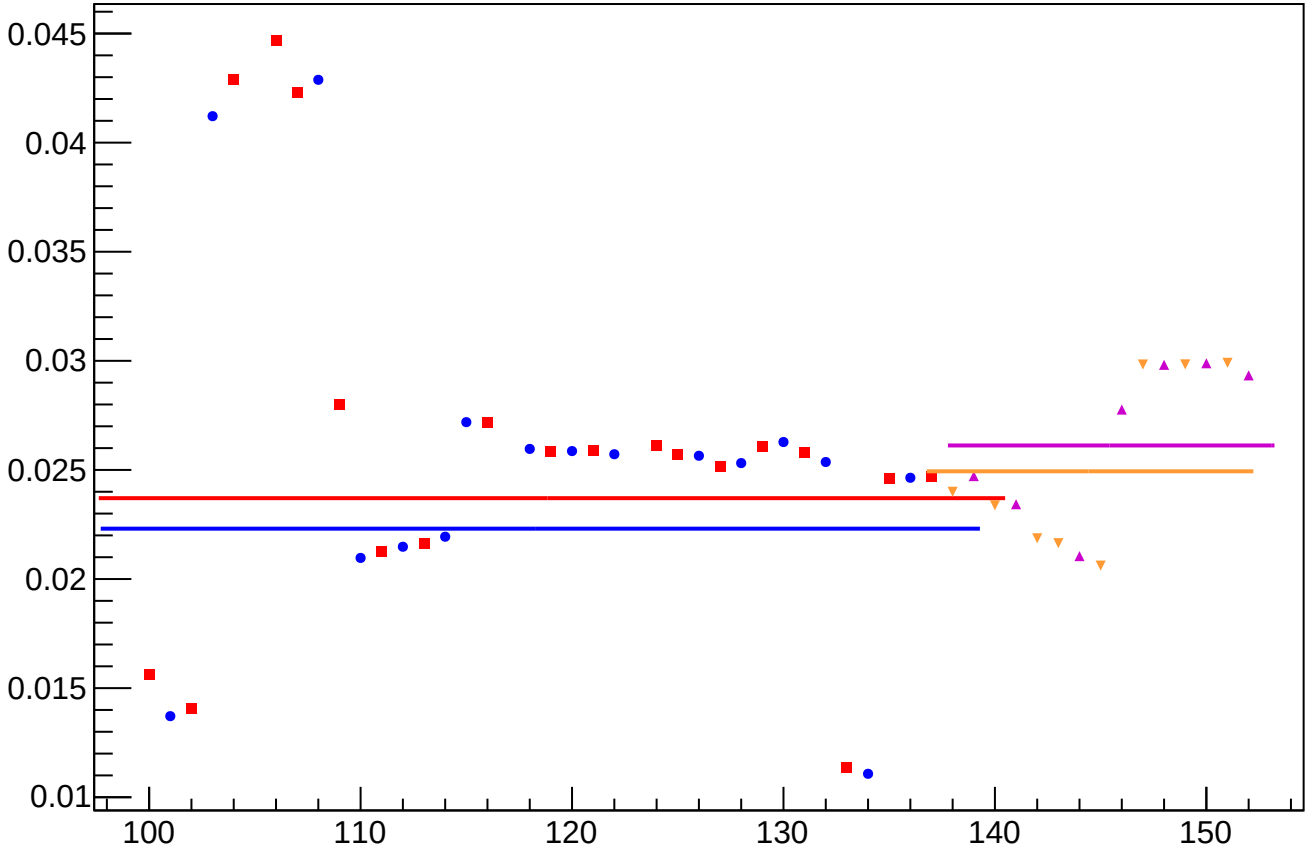
Left In: 0.000+/-0.000 χ^2/NDF:57374.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 1123370.7/23

All: 0.000+/-0.000 χ^2/NDF: 1542558.4/49

- sign 0.000+/-0.000 χ^2/NDF: 385222.7/25

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.025+/-0.000 χ^2/NDF:1280581923.5/7

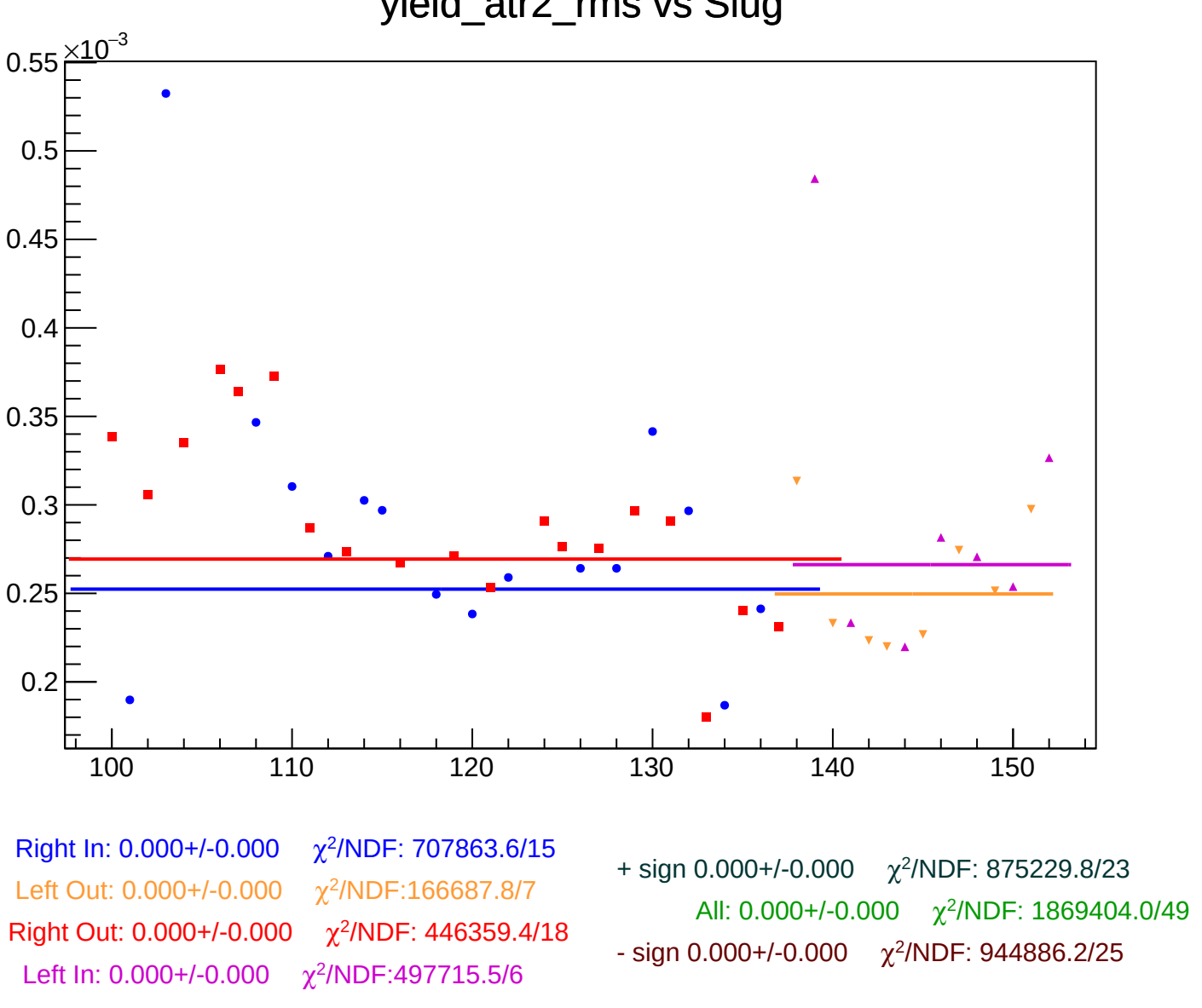
Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

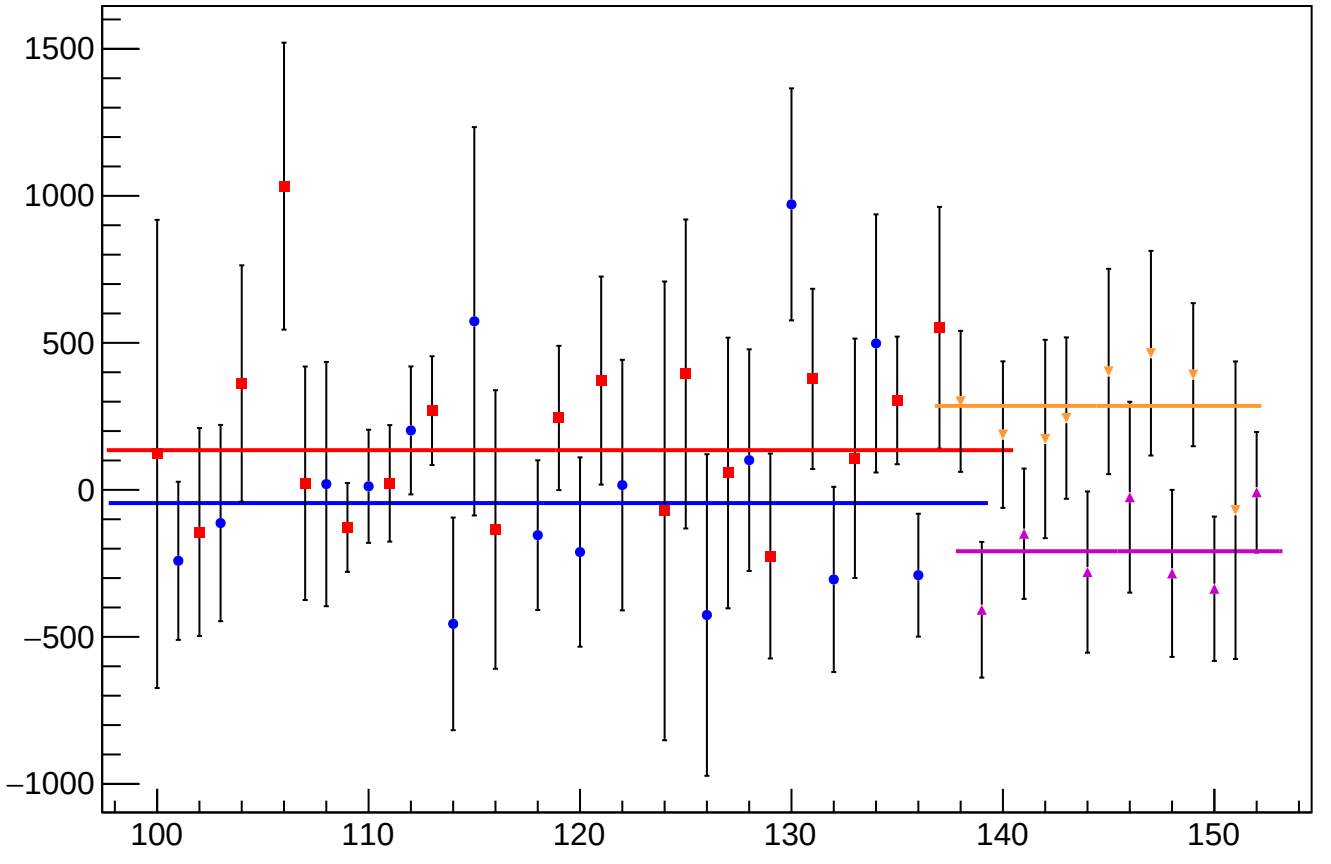
Left In: 0.026+/-0.000 χ^2/NDF:982101476.7/6

+ sign 0.024+/-0.000 χ^2/NDF: 6610540853.8/23

All: 0.024+/-0.000 χ^2/NDF: 13557353450.1/4

- sign 0.025+/-0.000 χ^2/NDF: 6803794851.5/25


yield_atr2_rms vs Slug
×10^−3
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 707863.6/15
Left Out: 0.000+/-0.000 χ²/NDF:166687.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 446359.4/18
Left In: 0.000+/-0.000 χ²/NDF:497715.5/6
+ sign 0.000+/-0.000 χ²/NDF: 875229.8/23
All: 0.000+/-0.000 χ²/NDF: 1869404.0/49
- sign 0.000+/-0.000 χ²/NDF: 944886.2/25



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 285.642+/-103.791 χ^2/NDF:1.4/7

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

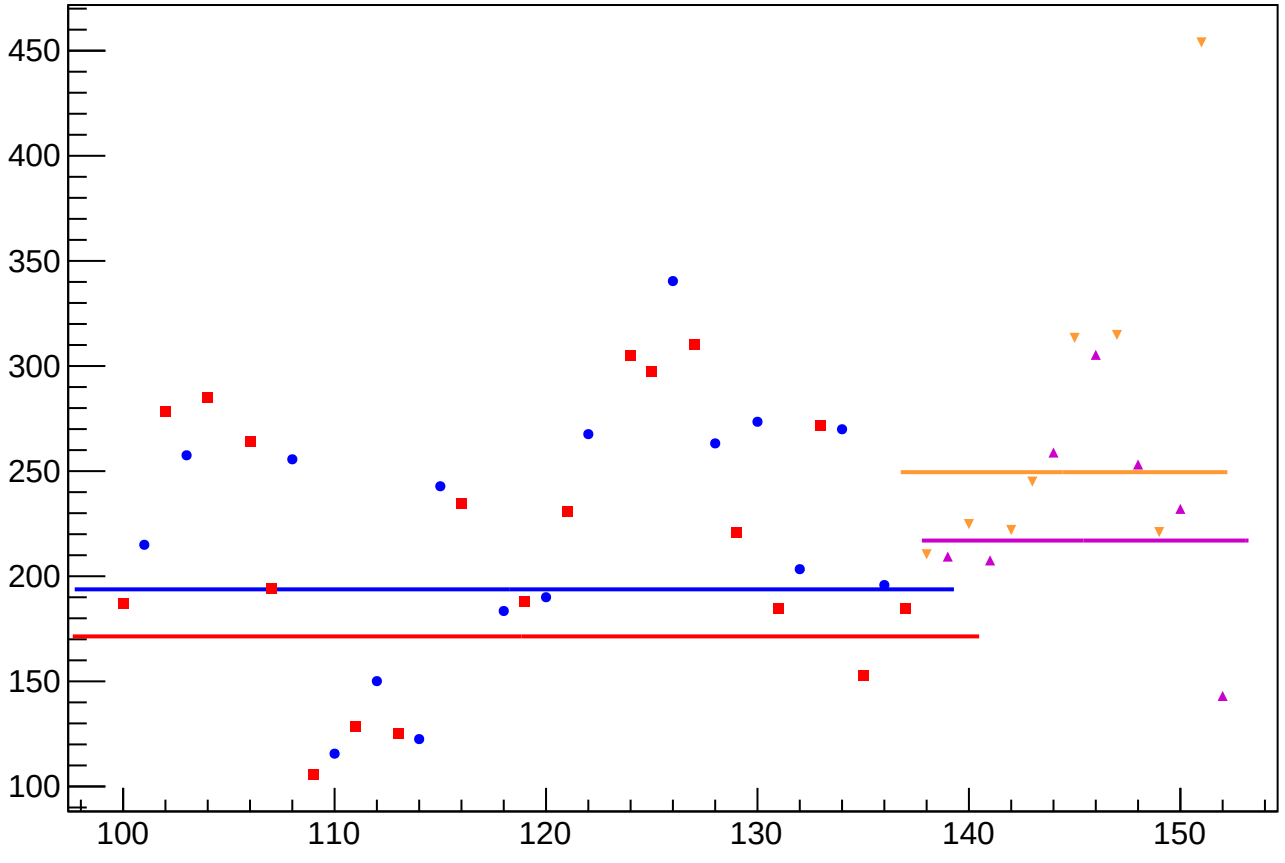
Left In: -208.694+/-93.368 χ^2/NDF:2.5/6

\+ sign 70.851+/-61.422 χ^2/NDF: 23.4/23

All: 40.263+/-40.974 χ^2/NDF: 48.1/49

\- sign 15.737+/-55.000 χ^2/NDF: 24.3/25

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: 249.514+/-0.073 χ^2/NDF:577628.3/7

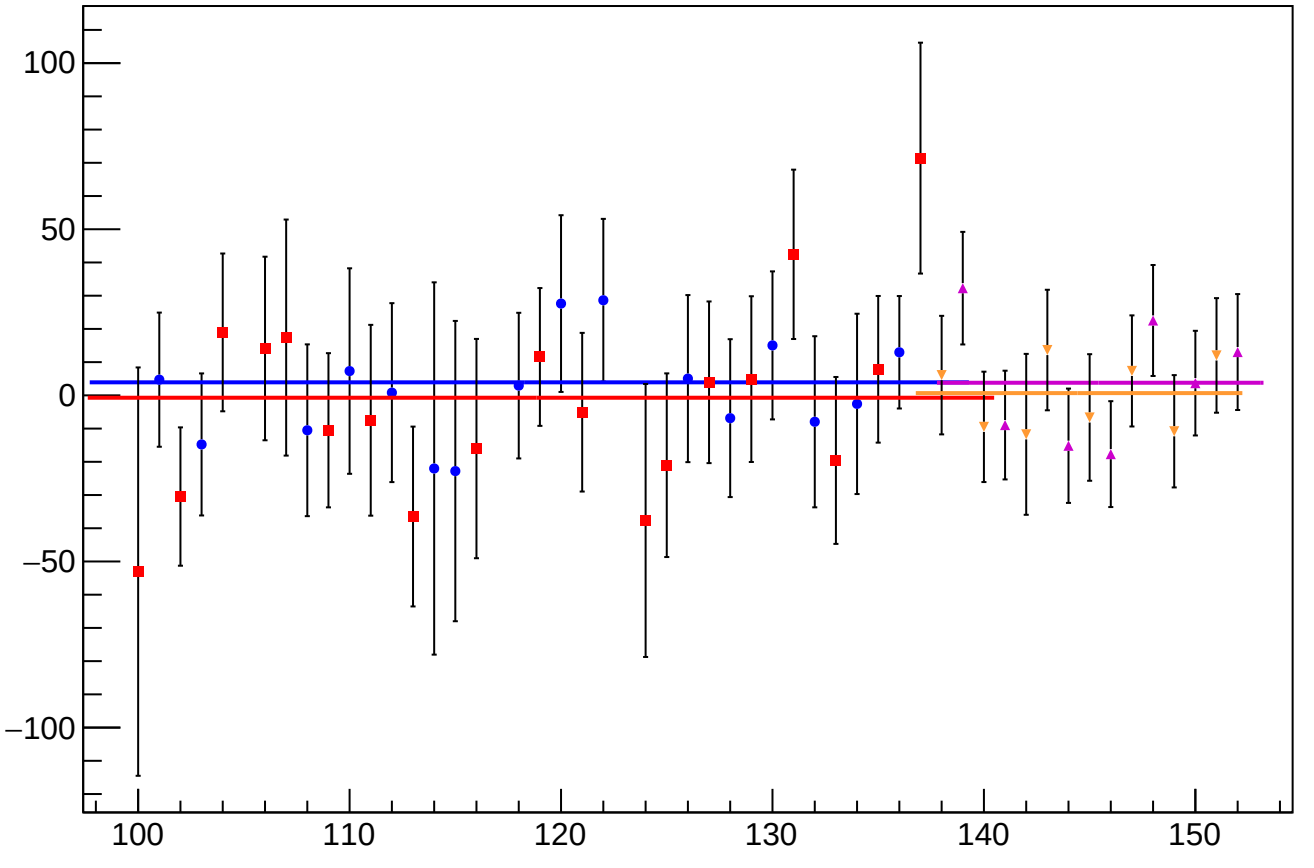
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 216.978+/-0.066 χ^2/NDF:500730.3/6

+ sign 213.291+/-0.043 χ^2/NDF: 2000618.8/23

All: 198.813+/-0.029 χ^2/NDF: 4671121.9/49

- sign 187.204+/-0.039 χ^2/NDF: 2470273.2/25



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: 0.680+/-6.362 χ^2/NDF:2.4/7

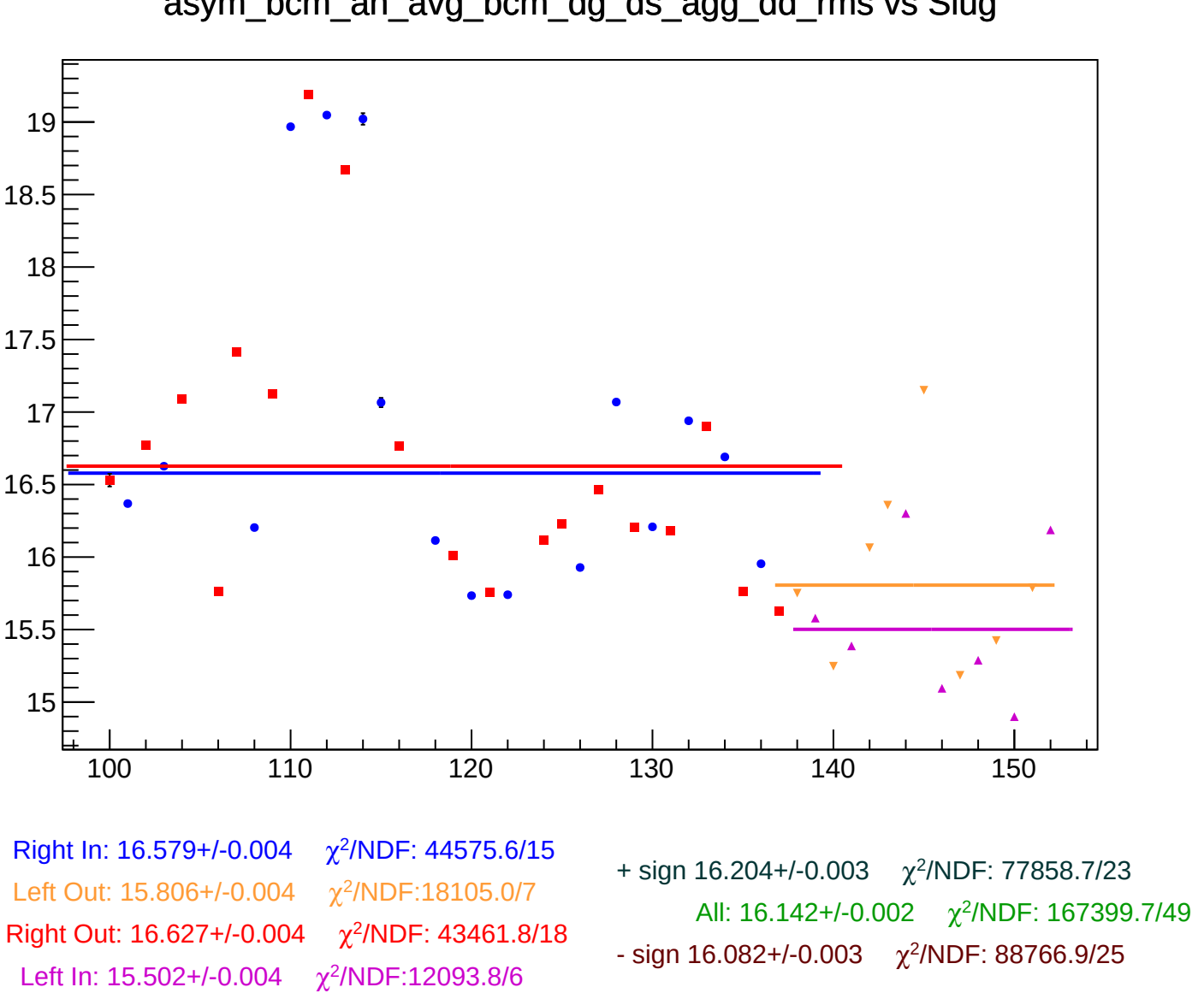
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

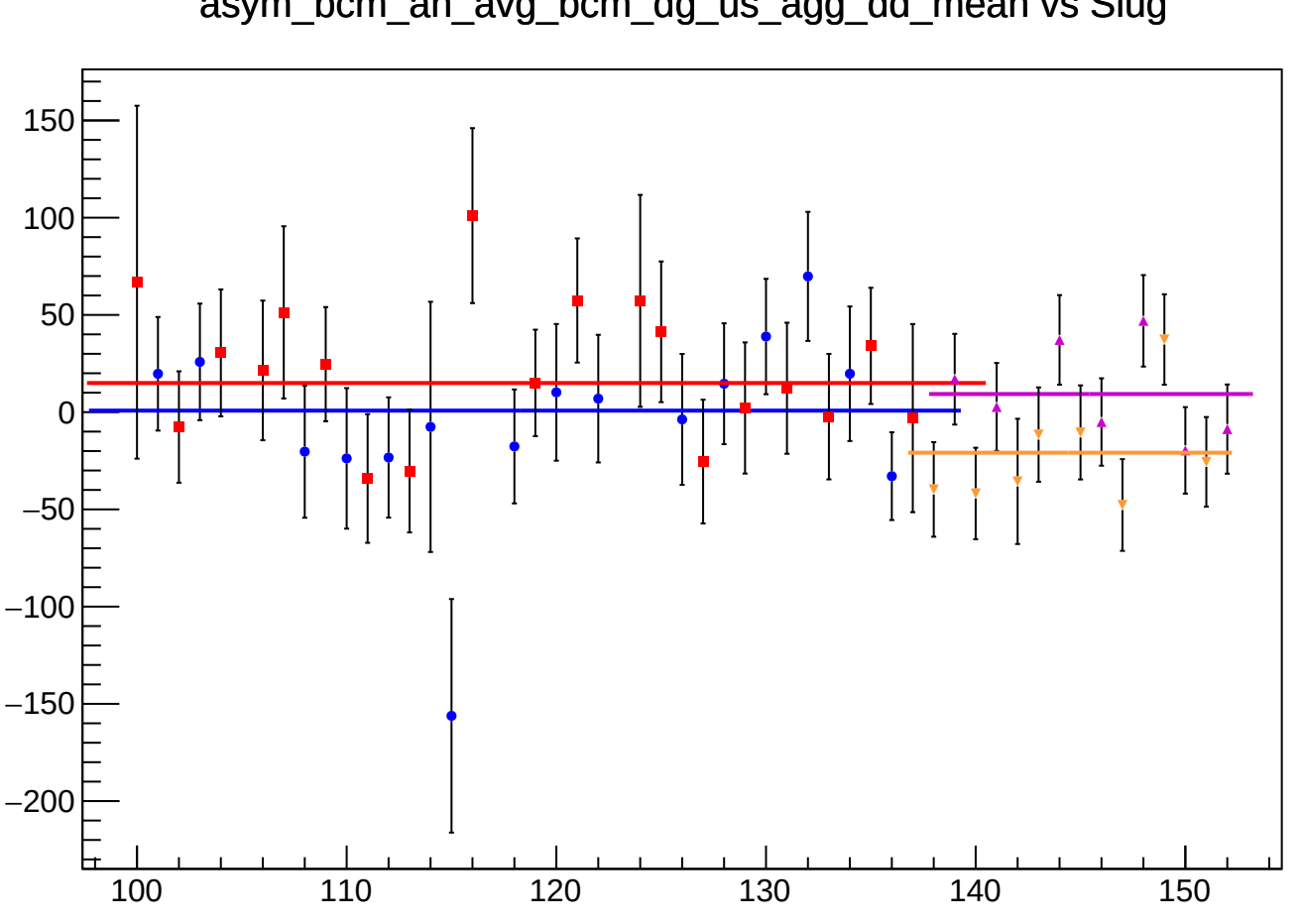
Left In: 3.796+/-6.270 χ^2/NDF:8.0/6

+ sign 2.351+/-4.430 χ^2/NDF: 7.1/23

All: 1.904+/-3.109 χ^2/NDF: 31.3/49

- sign 1.470+/-4.364 χ^2/NDF: 24.2/25


asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug
19
18.5
18
17.5
17
16.5
16
15.5
15
100
110
120
130
140
150
Right In: 16.579+/-0.004 χ²/NDF: 44575.6/15
Left Out: 15.806+/-0.004 χ²/NDF:18105.0/7
Right Out: 16.627+/-0.004 χ²/NDF: 43461.8/18
Left In: 15.502+/-0.004 χ²/NDF:12093.8/6
+ sign 16.204+/-0.003 χ²/NDF: 77858.7/23
All: 16.142+/-0.002 χ²/NDF: 167399.7/49
- sign 16.082+/-0.003 χ²/NDF: 88766.9/25



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -20.856+/-8.636 χ^2/NDF:9.5/7

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

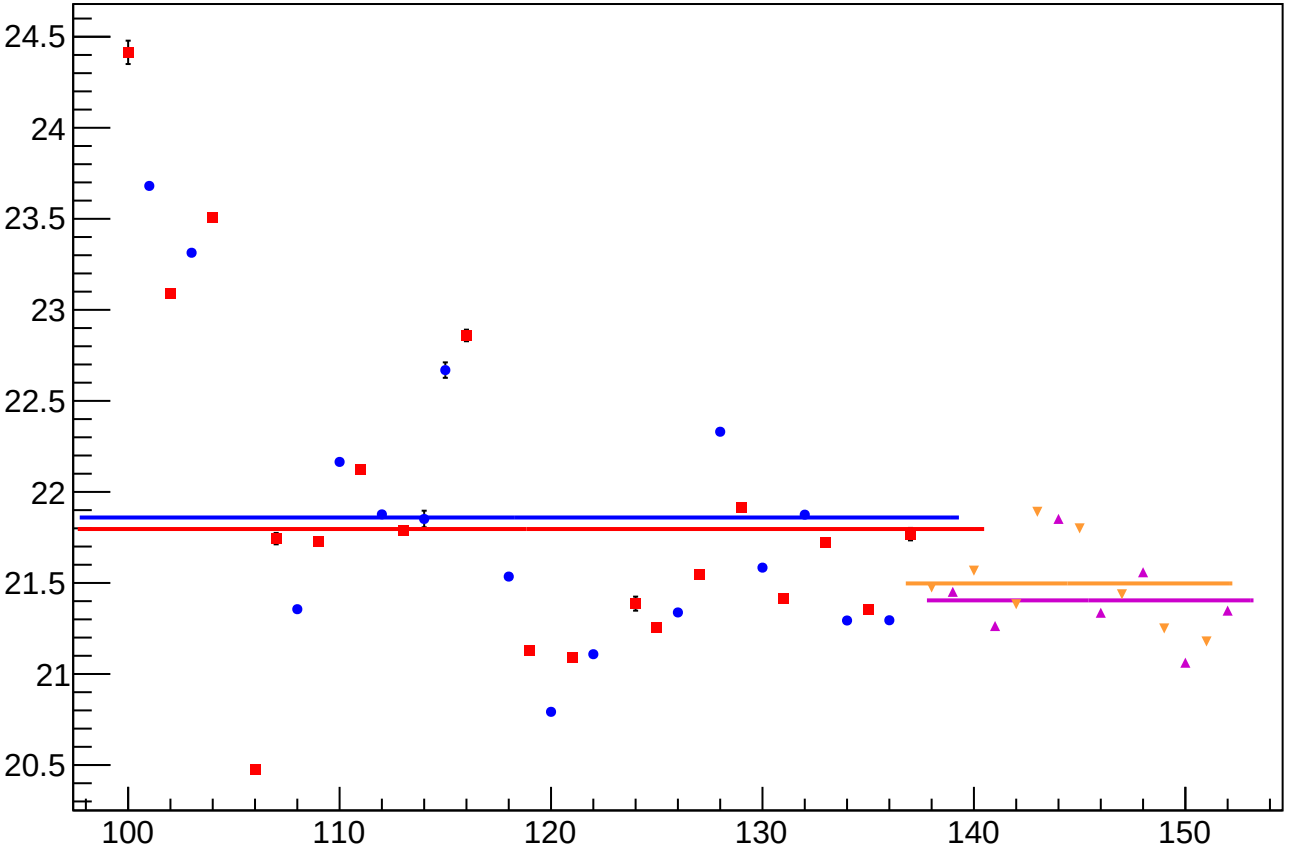
Left In: 9.328+/-8.641 χ^2/NDF:6.9/6

+ sign -9.373+/-5.918 χ^2/NDF: 31.5/23

All: 1.629+/-4.161 χ^2/NDF: 60.9/49

- sign 12.388+/-5.852 χ^2/NDF: 22.6/25

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: 21.497+/-0.006 χ^2/NDF:1504.9/7

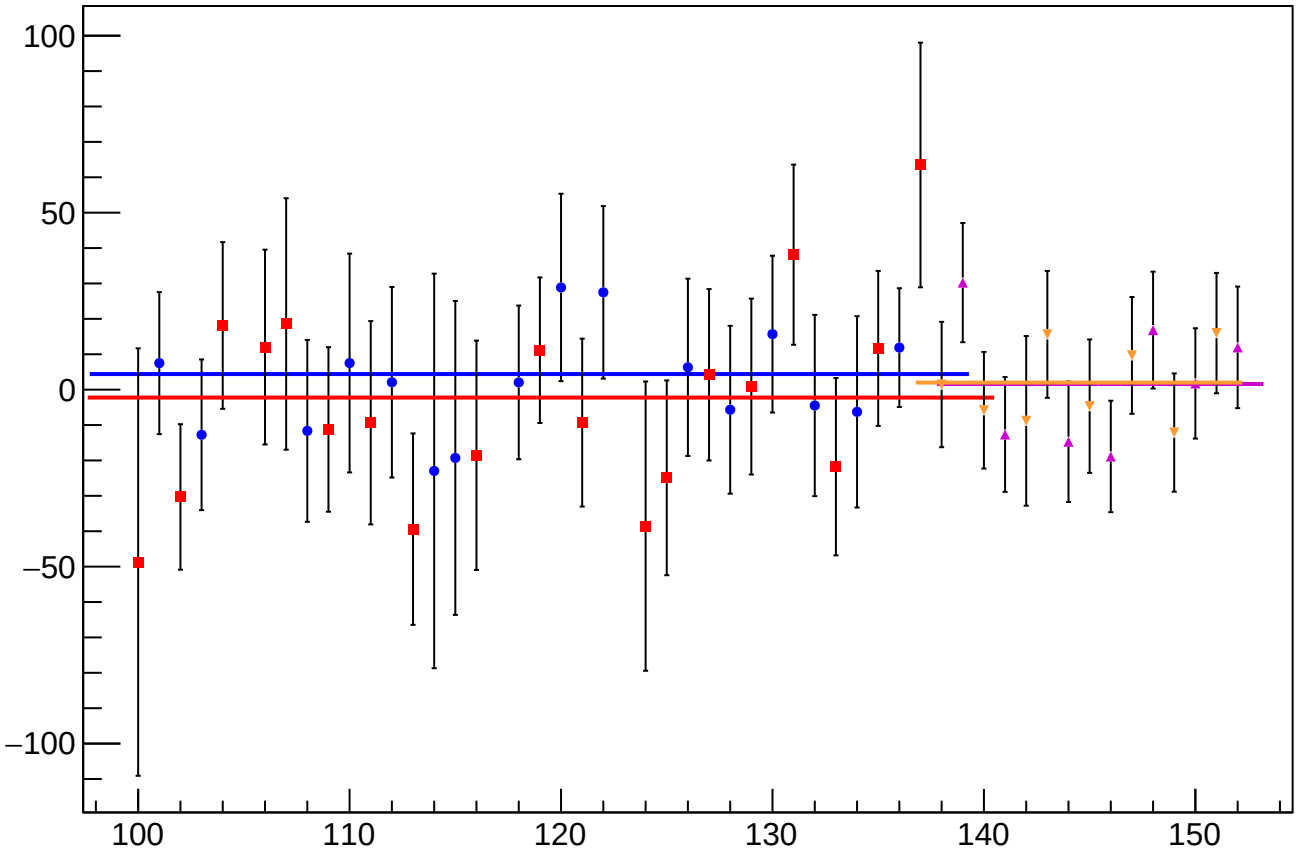
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.404+/-0.006 χ^2/NDF:1431.2/6

+ sign 21.689+/-0.004 χ^2/NDF: 22839.2/23

All: 21.653+/-0.003 χ^2/NDF: 45512.4/49

- sign 21.617+/-0.004 χ^2/NDF: 22519.4/25



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 2.007+/-6.292 χ^2/NDF:2.7/7

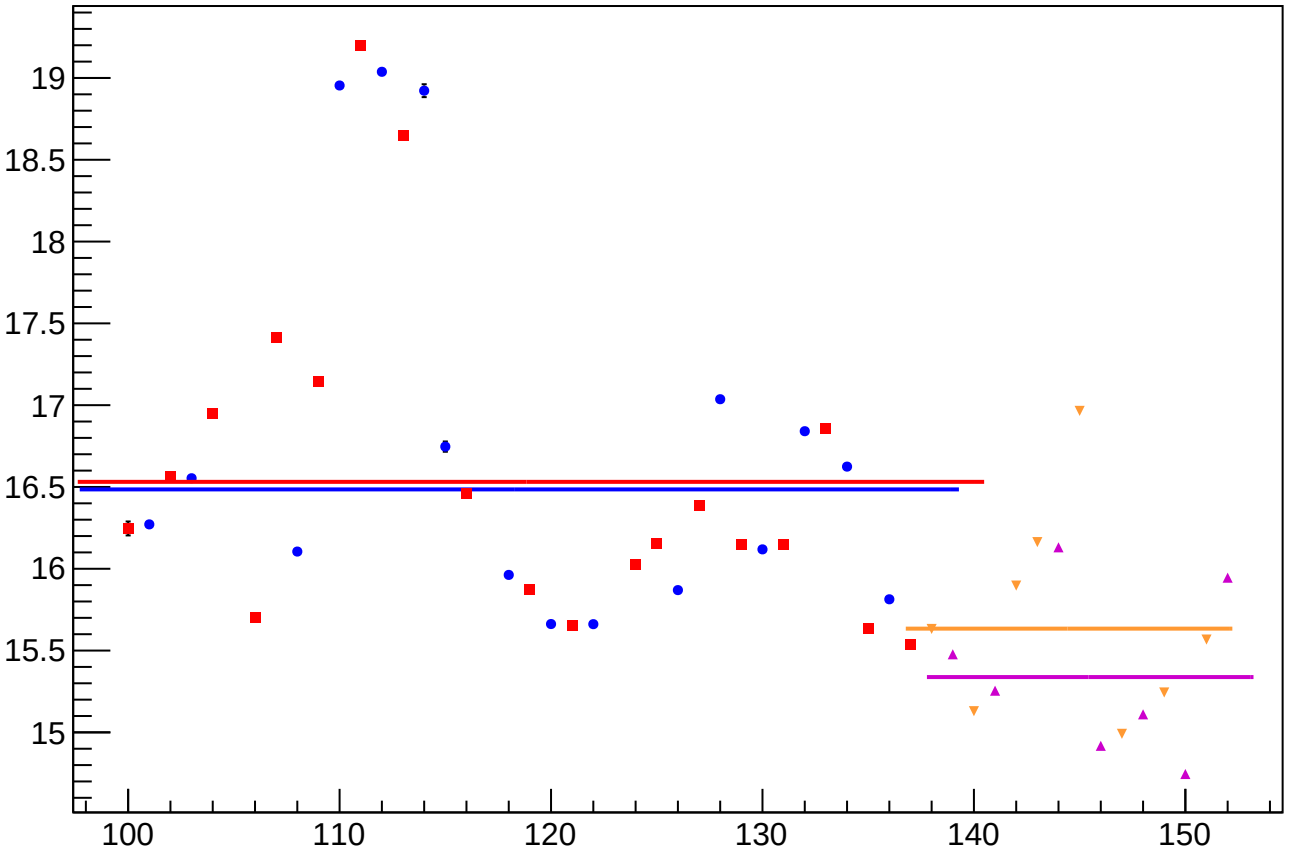
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 1.587+/-6.203 χ^2/NDF:7.5/6

+ sign 3.236+/-4.393 χ^2/NDF: 7.1/23

All: 1.401+/-3.083 χ^2/NDF: 30.5/49

- sign -0.379+/-4.328 χ^2/NDF: 23.1/25



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.634+/-0.004 χ^2/NDF:17993.1/7

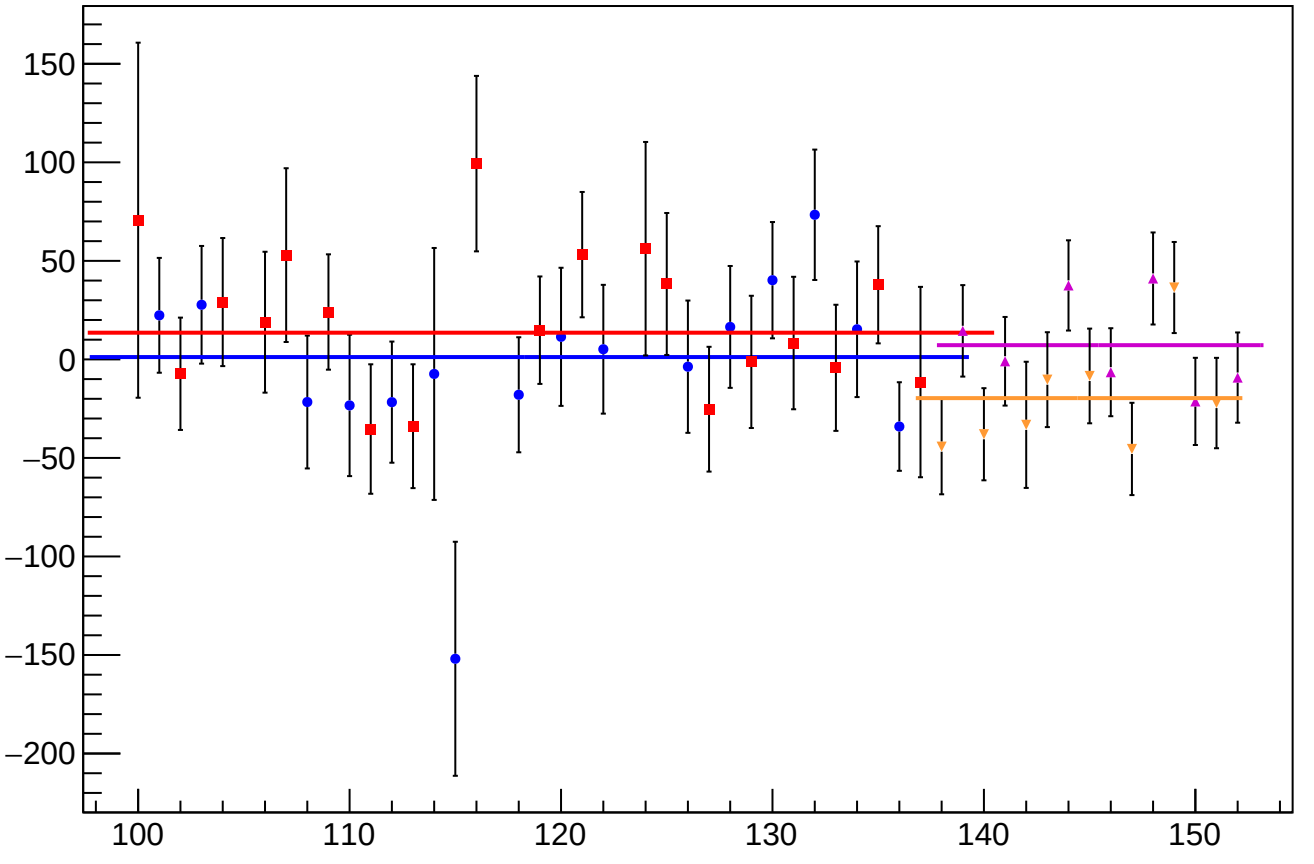
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.338+/-0.004 χ^2/NDF:11726.4/6

+ sign 16.070+/-0.003 χ^2/NDF: 83927.9/23

All: 16.009+/-0.002 χ^2/NDF: 180855.5/49

- sign 15.950+/-0.003 χ^2/NDF: 96172.4/25



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -19.653+/-8.584 χ^2/NDF:9.3/7

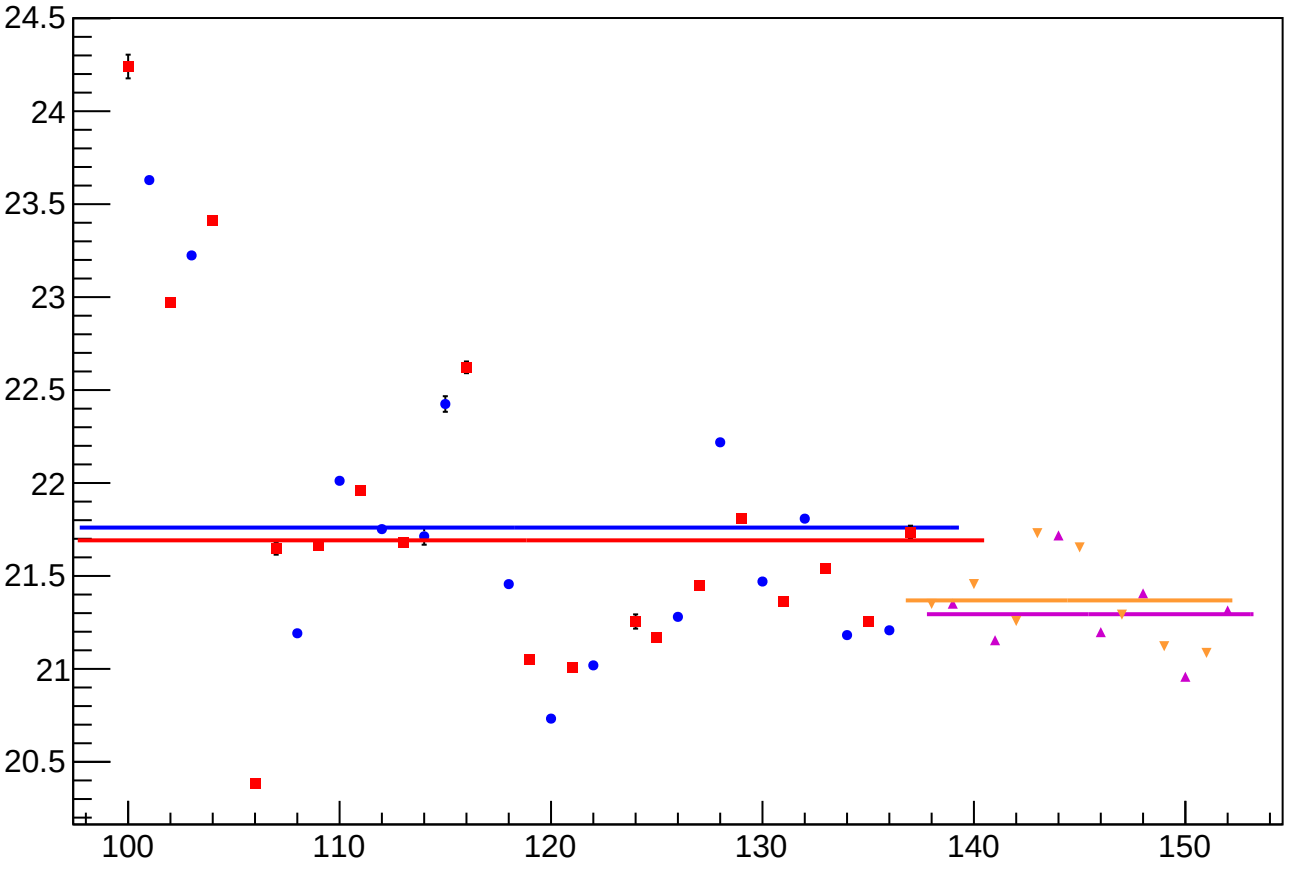
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 7.219+/-8.597 χ^2/NDF:6.6/6

+ sign -8.614+/-5.887 χ^2/NDF: 31.8/23

All: 1.120+/-4.140 χ^2/NDF: 60.1/49

- sign 10.645+/-5.823 χ^2/NDF: 22.9/25



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.368+/-0.006 χ^2/NDF:1338.3/7

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

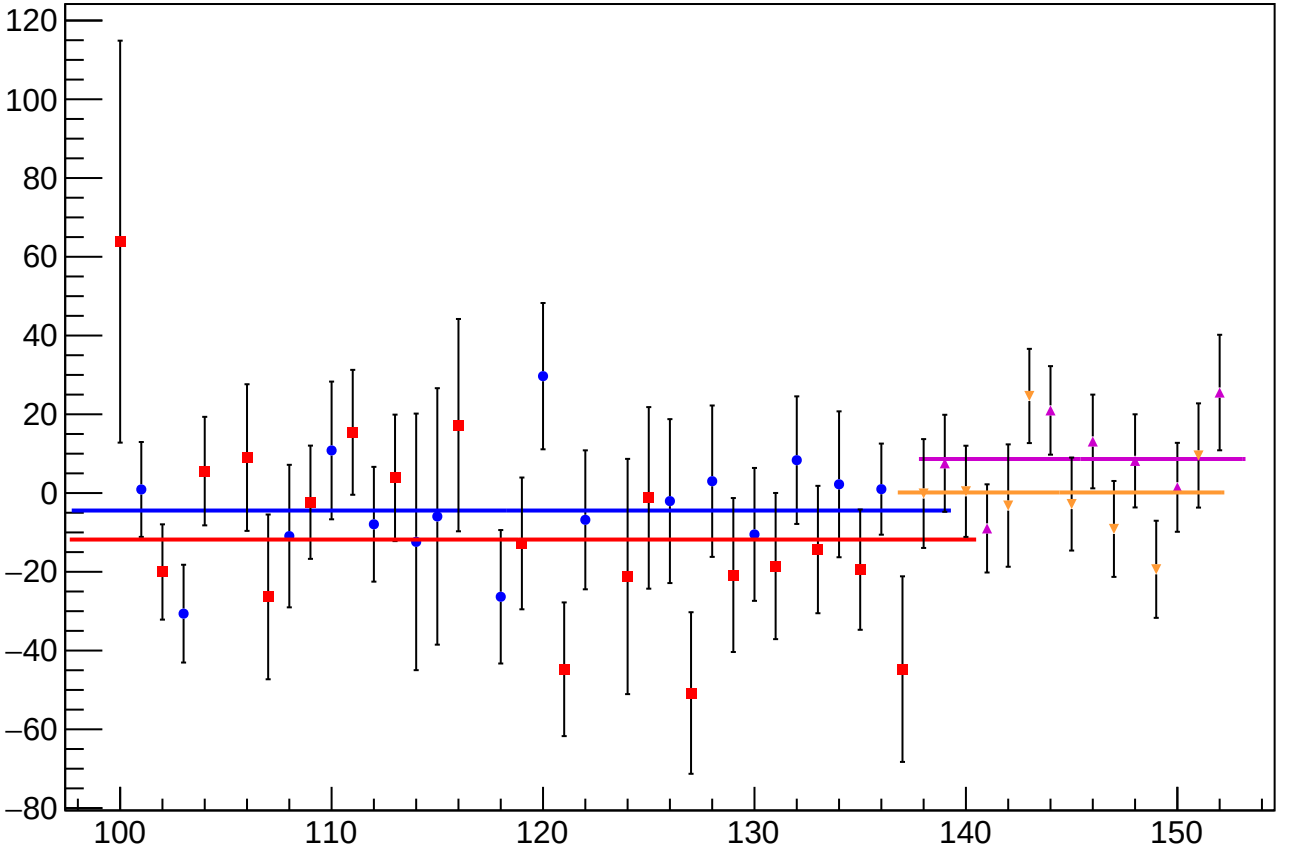
Left In: 21.294+/-0.006 χ^2/NDF:1321.5/6

+ sign 21.576+/-0.004 χ^2/NDF: 23291.6/23

All: 21.542+/-0.003 χ^2/NDF: 45385.9/49

- sign 21.509+/-0.004 χ^2/NDF: 21964.5/25

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.147+/-4.471 χ^2/NDF:7.9/7

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

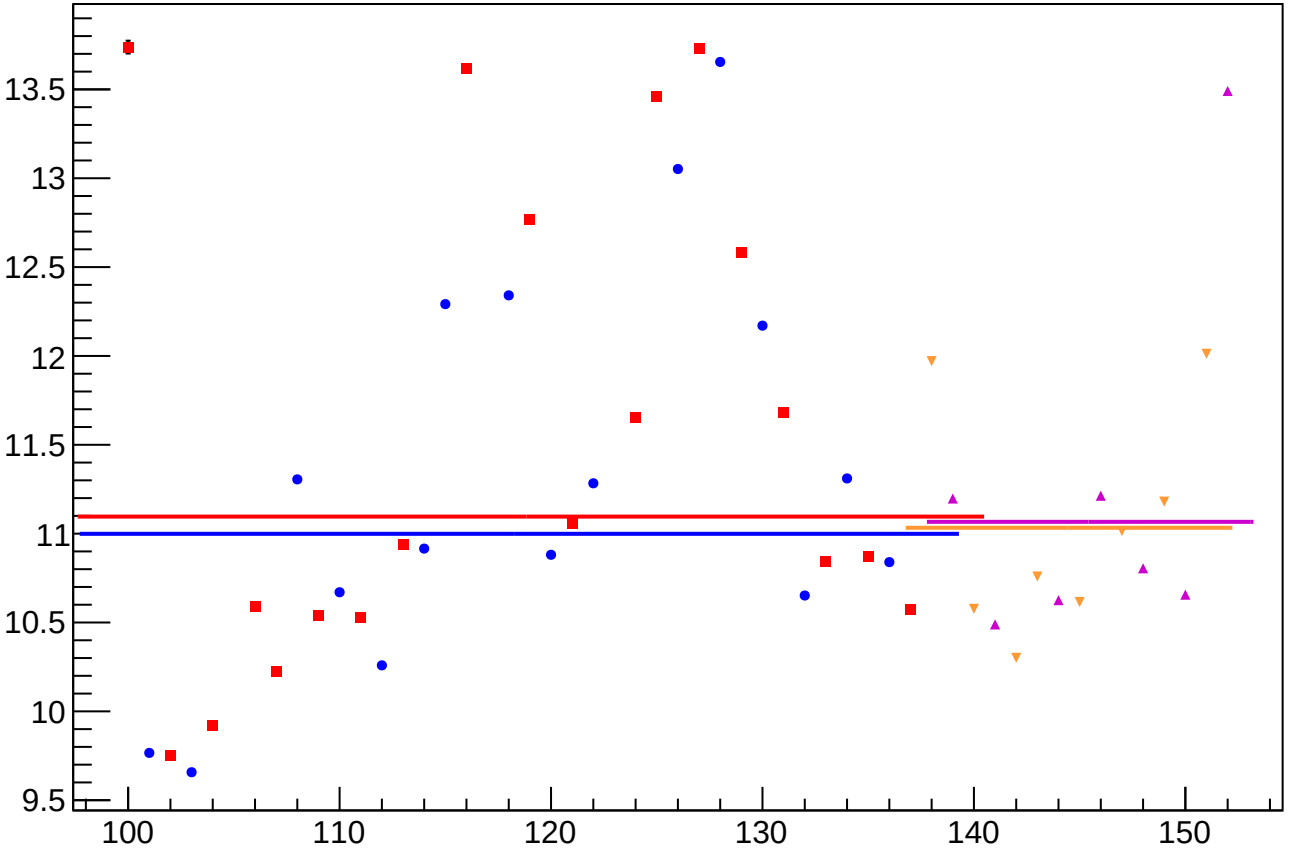
Left In: 8.647+/-4.510 χ^2/NDF:5.6/6

+ sign -2.328+/-3.034 χ^2/NDF: 20.4/23

All: -2.442+/-2.145 χ^2/NDF: 59.0/49

- sign -2.557+/-3.033 χ^2/NDF: 38.6/25

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.033+/-0.003 χ^2/NDF:31534.5/7

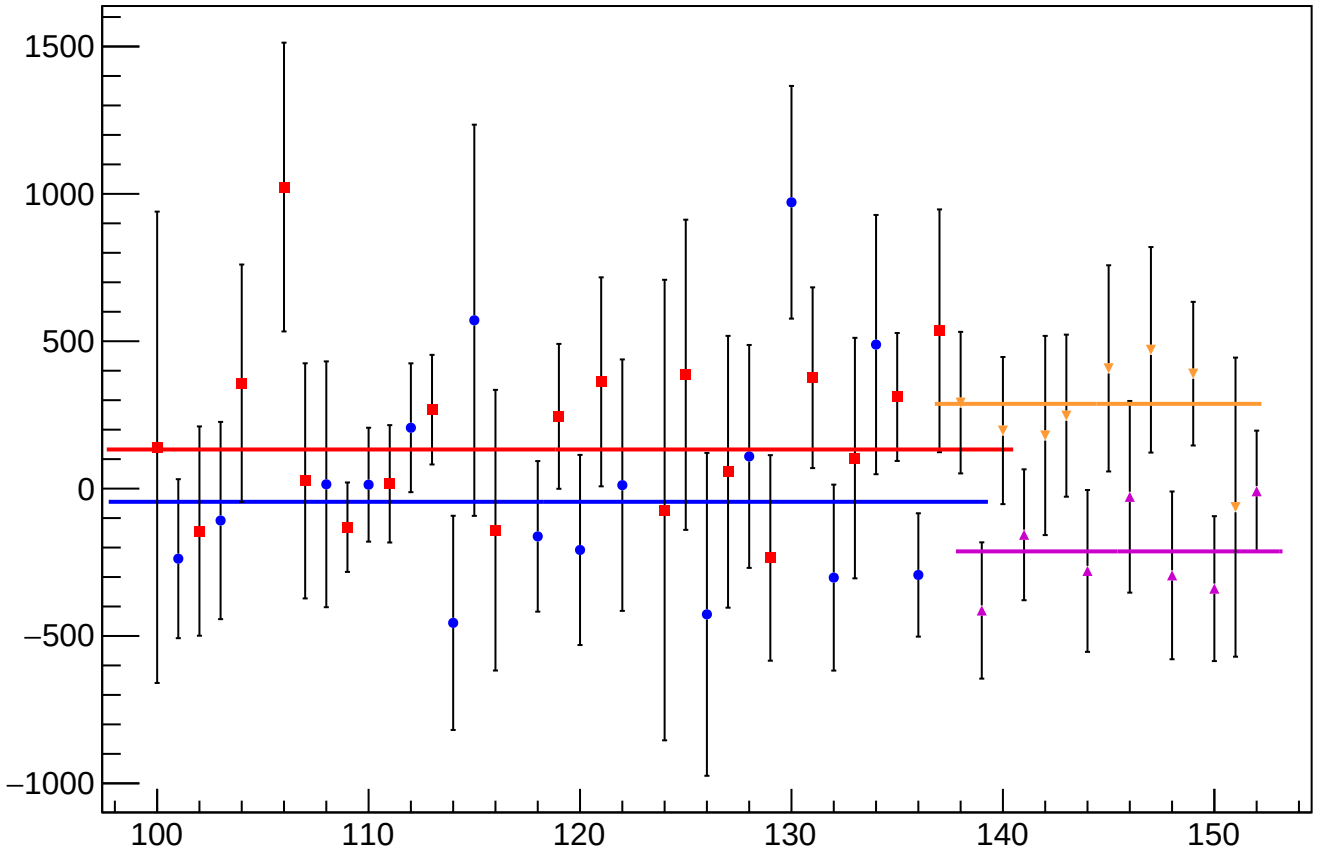
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.067+/-0.003 χ^2/NDF:67185.5/6

+ sign 11.015+/-0.002 χ^2/NDF: 167756.1/23

All: 11.049+/-0.002 χ^2/NDF: 398398.5/49

- sign 11.083+/-0.002 χ^2/NDF: 230141.0/25



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 287.573+/-103.971 χ^2/NDF:1.3/7

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

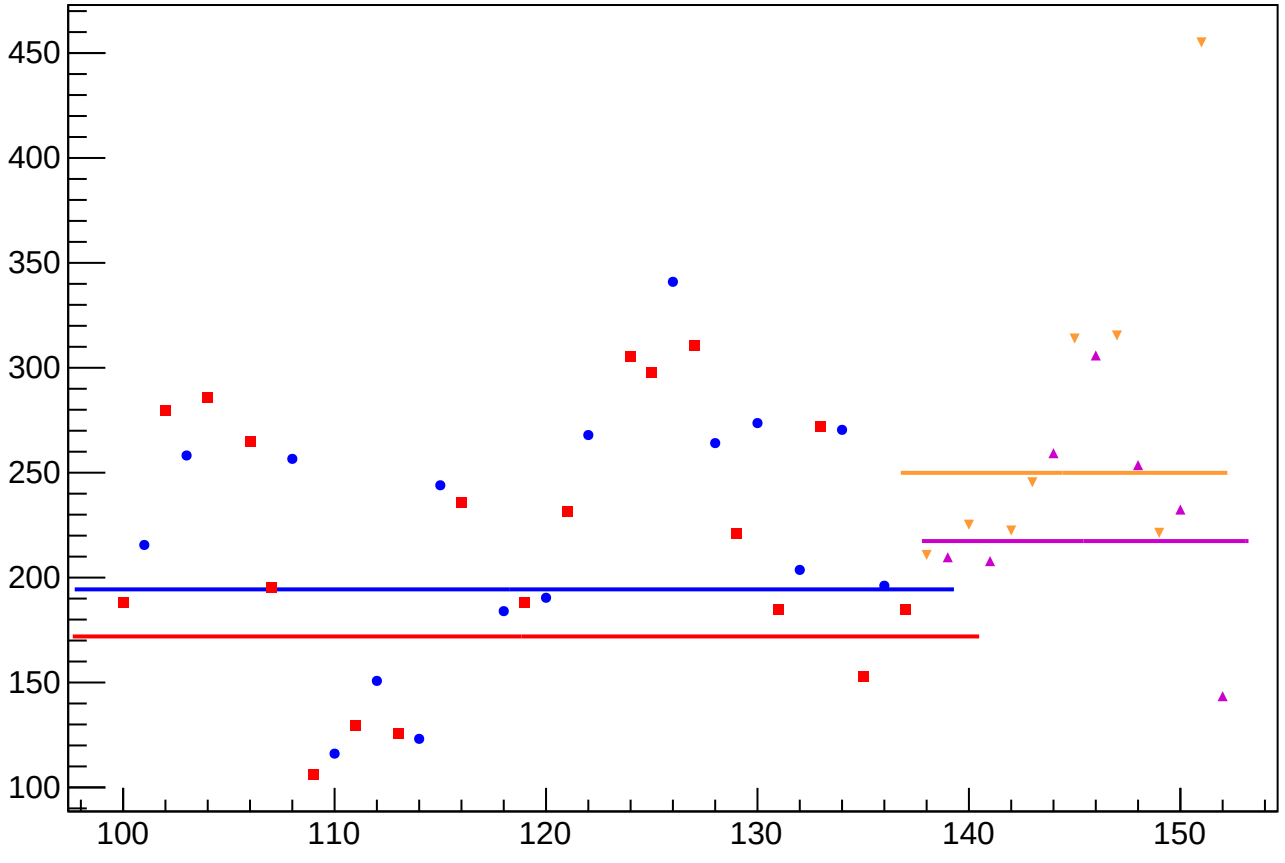
Left In: -213.014+/-93.549 χ^2/NDF:2.5/6

+ sign 71.789+/-61.578 χ^2/NDF: 23.4/23

All: 38.934+/-41.081 χ^2/NDF: 48.2/49

- sign 12.583+/-55.146 χ^2/NDF: 24.3/25

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 249.937+/-0.074 χ^2/NDF:578479.8/7

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

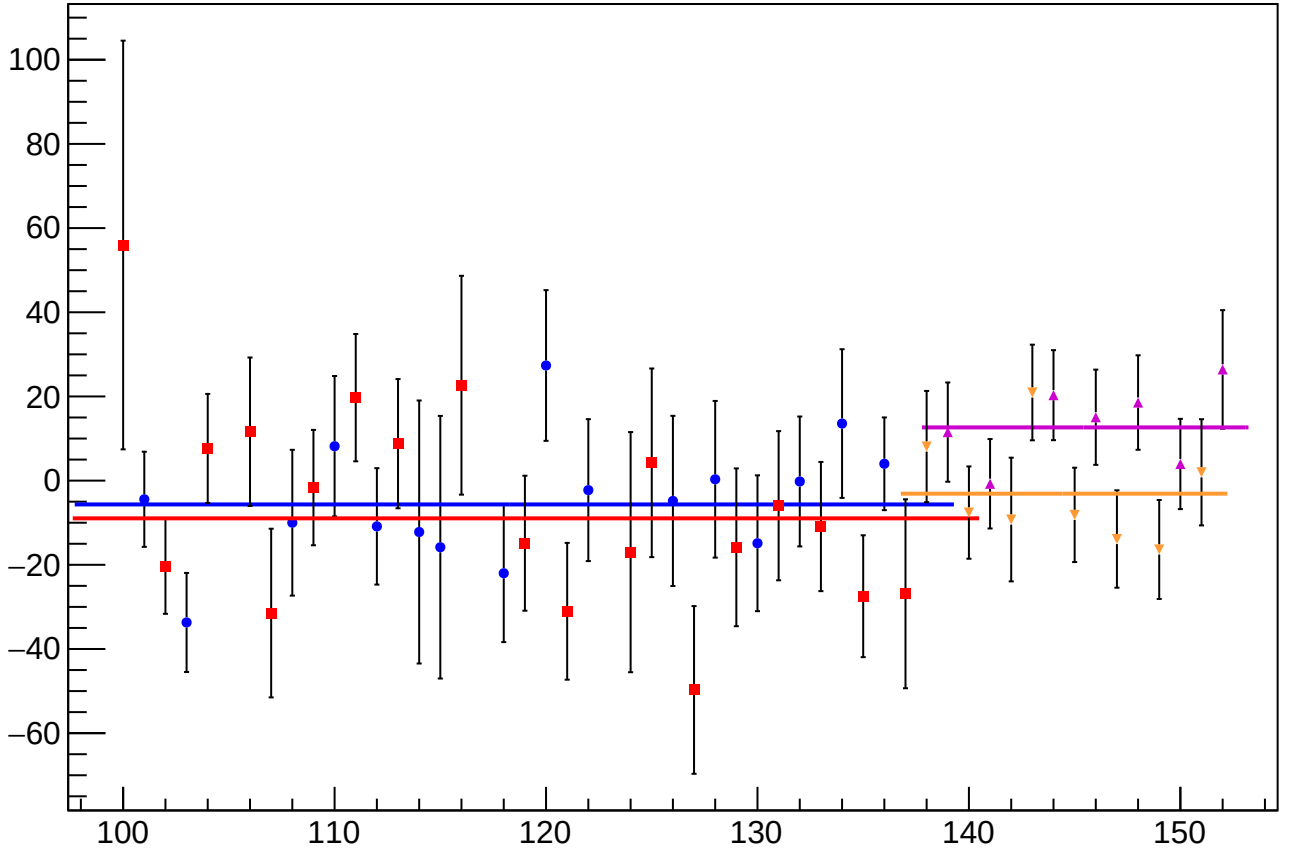
Left In: 217.413+/-0.066 χ^2/NDF:499111.3/6

+ sign 213.871+/-0.044 χ^2/NDF: 1991186.2/23

All: 199.374+/-0.029 χ^2/NDF: 4649617.1/49

- sign 187.748+/-0.039 χ^2/NDF: 2458683.7/25

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -3.100+/-4.250 χ^2/NDF:8.0/7

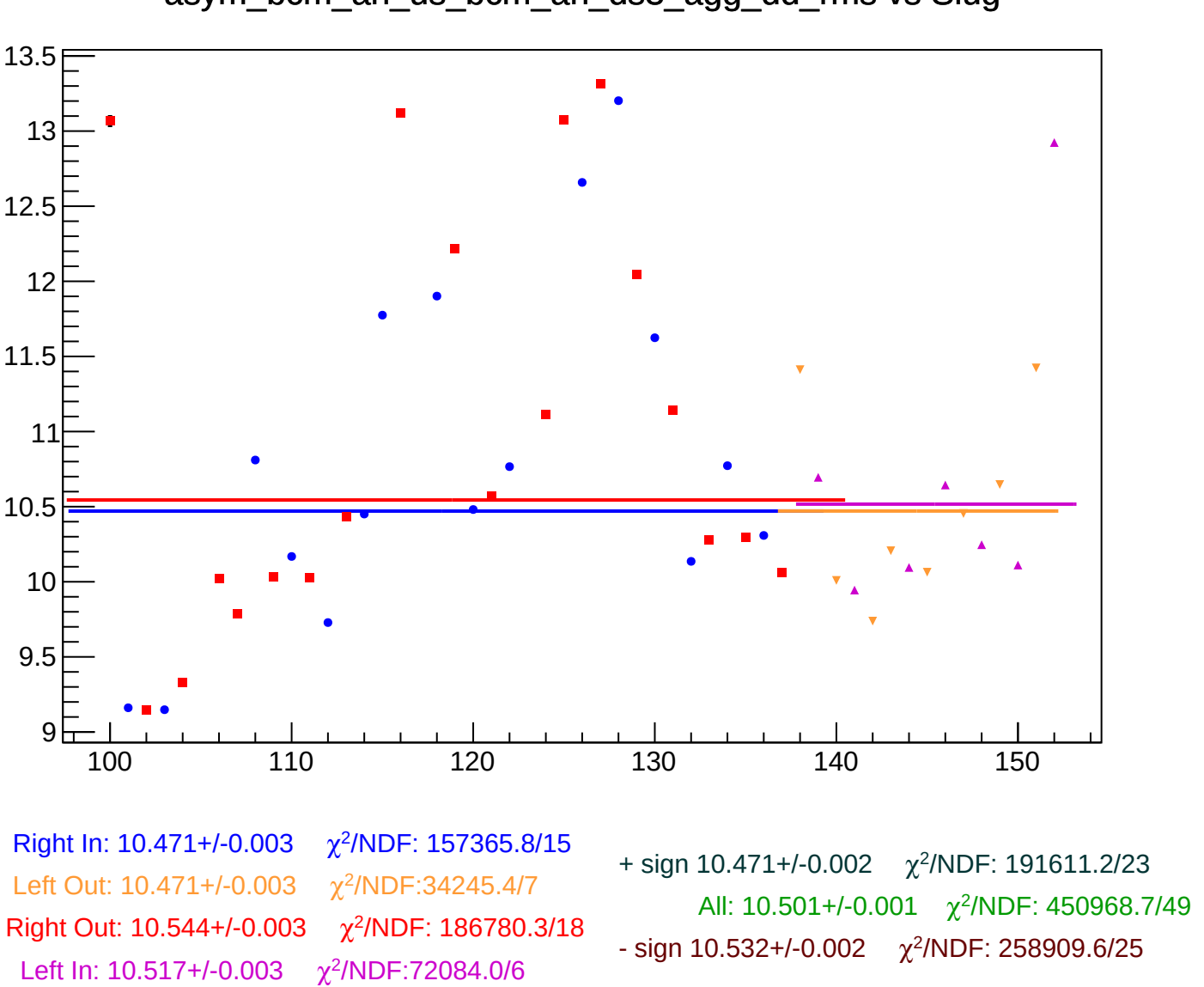
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

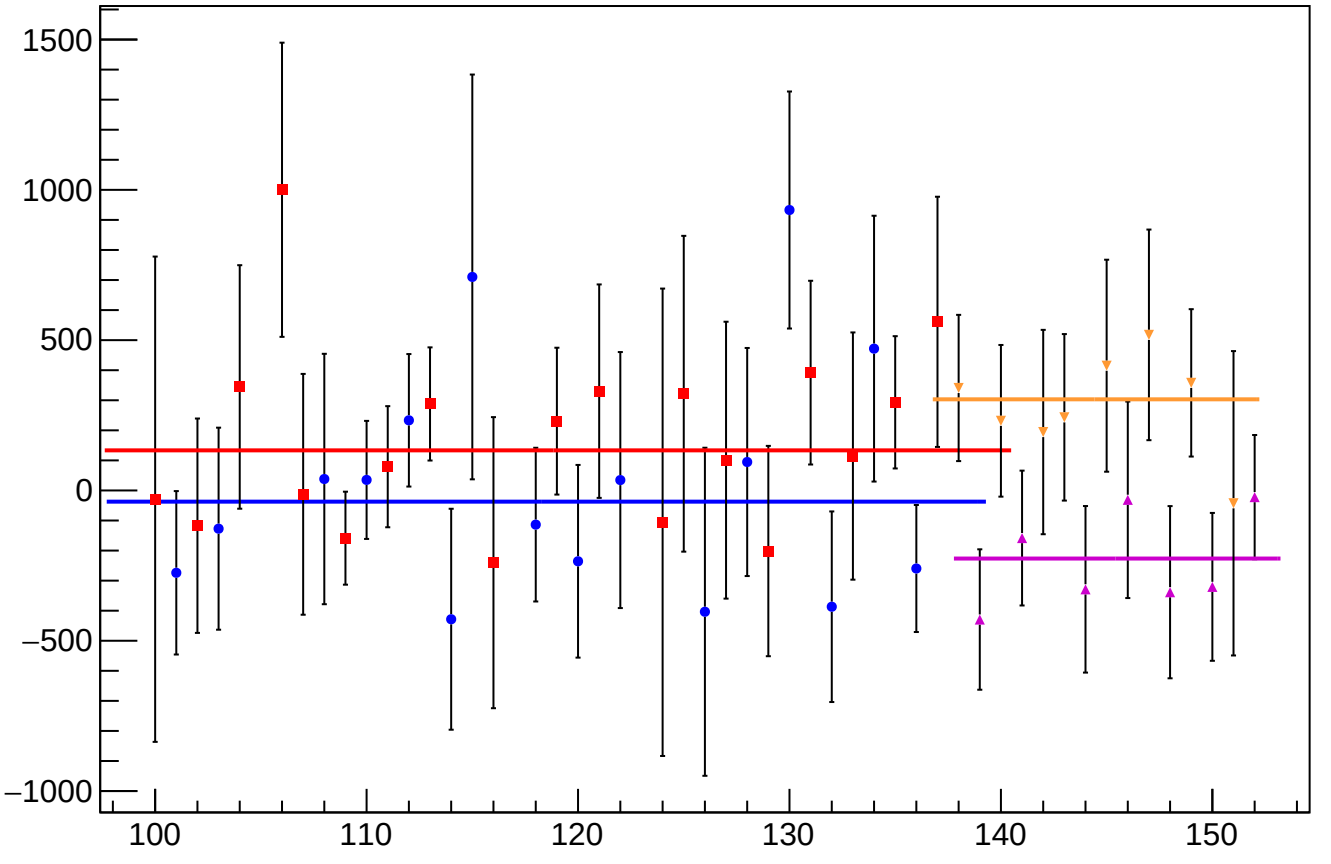
Left In: 12.647+/-4.292 χ^2/NDF:4.0/6

+ sign -4.476+/-2.889 χ^2/NDF: 21.9/23

All: -1.828+/-2.042 χ^2/NDF: 64.3/49

- sign 0.815+/-2.887 χ^2/NDF: 40.7/25


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
100
110
120
130
140
150
Right In: 10.471+/-0.003 χ²/NDF: 157365.8/15
Left Out: 10.471+/-0.003 χ²/NDF:34245.4/7
Right Out: 10.544+/-0.003 χ²/NDF: 186780.3/18
Left In: 10.517+/-0.003 χ²/NDF:72084.0/6
+ sign 10.471+/-0.002 χ²/NDF: 191611.2/23
All: 10.501+/-0.001 χ²/NDF: 450968.7/49
- sign 10.532+/-0.002 χ²/NDF: 258909.6/25



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 303.157+/-104.809 χ^2/NDF:1.2/7

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

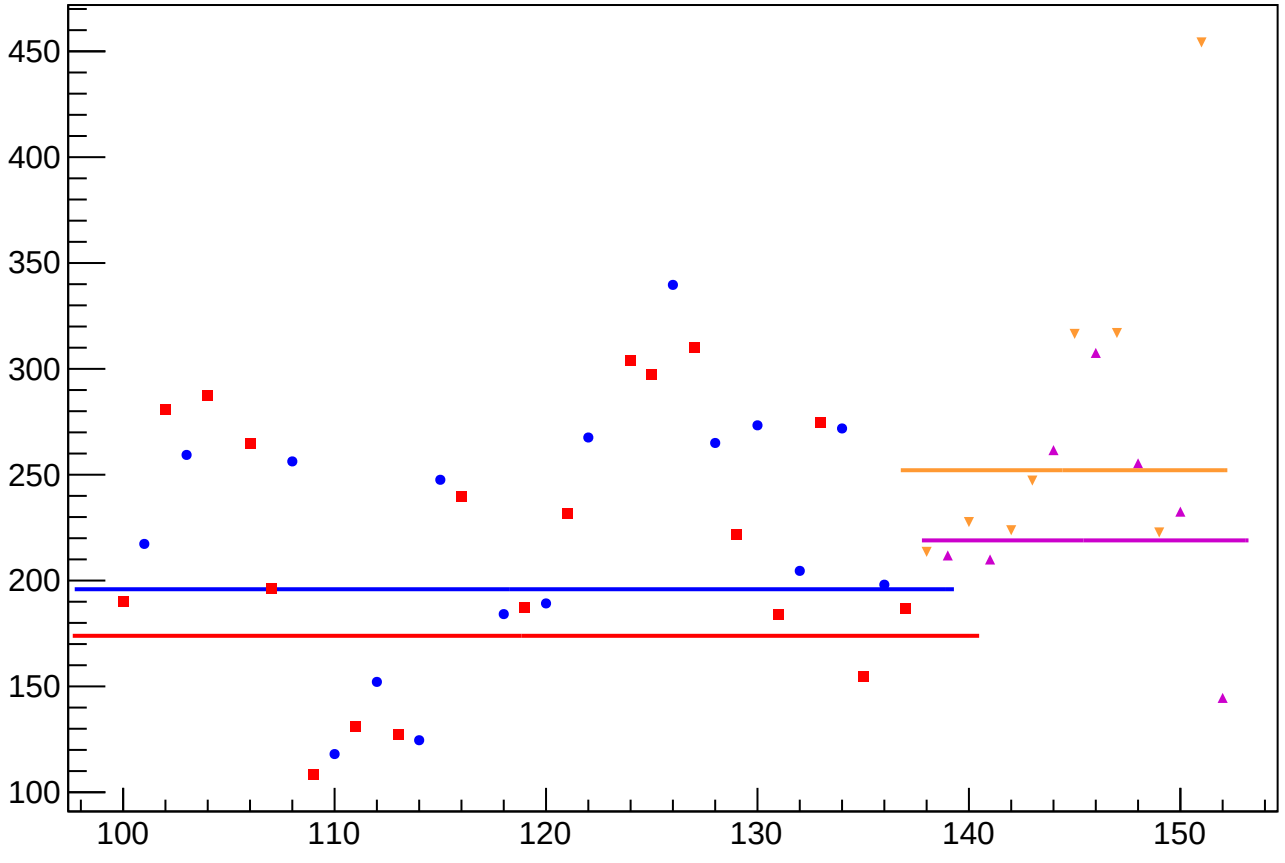
Left In: -226.522+/-94.175 χ^2/NDF:2.6/6

+ sign 81.911+/-62.009 χ^2/NDF: 23.7/23

All: 40.906+/-41.396 χ^2/NDF: 49.6/49

- sign 7.940+/-55.599 χ^2/NDF: 25.0/25

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: 252.115+/-0.074 χ^2/NDF:566204.4/7

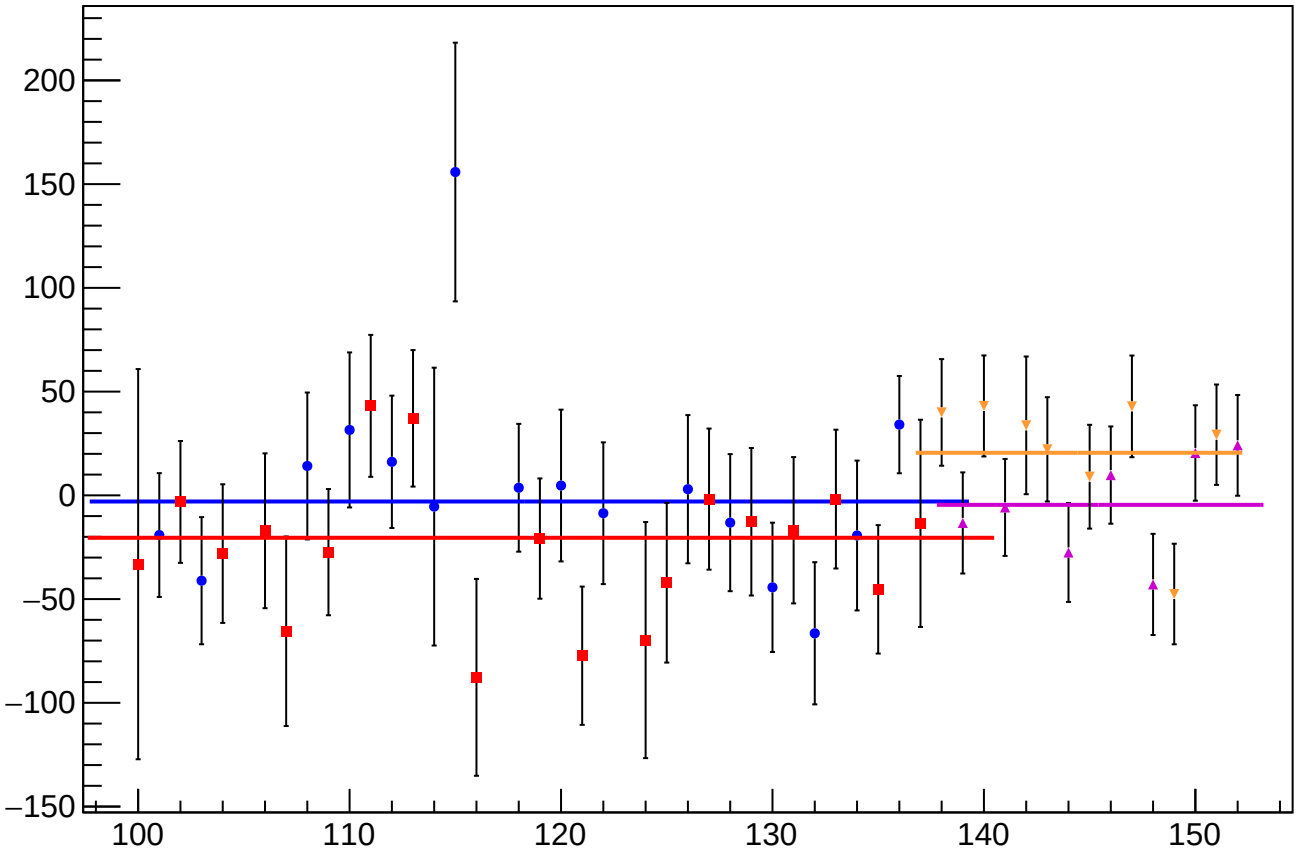
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 218.974+/-0.067 χ^2/NDF:497111.3/6

+ sign 215.577+/-0.044 χ^2/NDF: 1951185.0/23

All: 201.183+/-0.029 χ^2/NDF: 4540750.4/49

- sign 189.611+/-0.039 χ^2/NDF: 2395164.5/25



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 20.516+/-8.992 χ^2/NDF:10.7/7

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

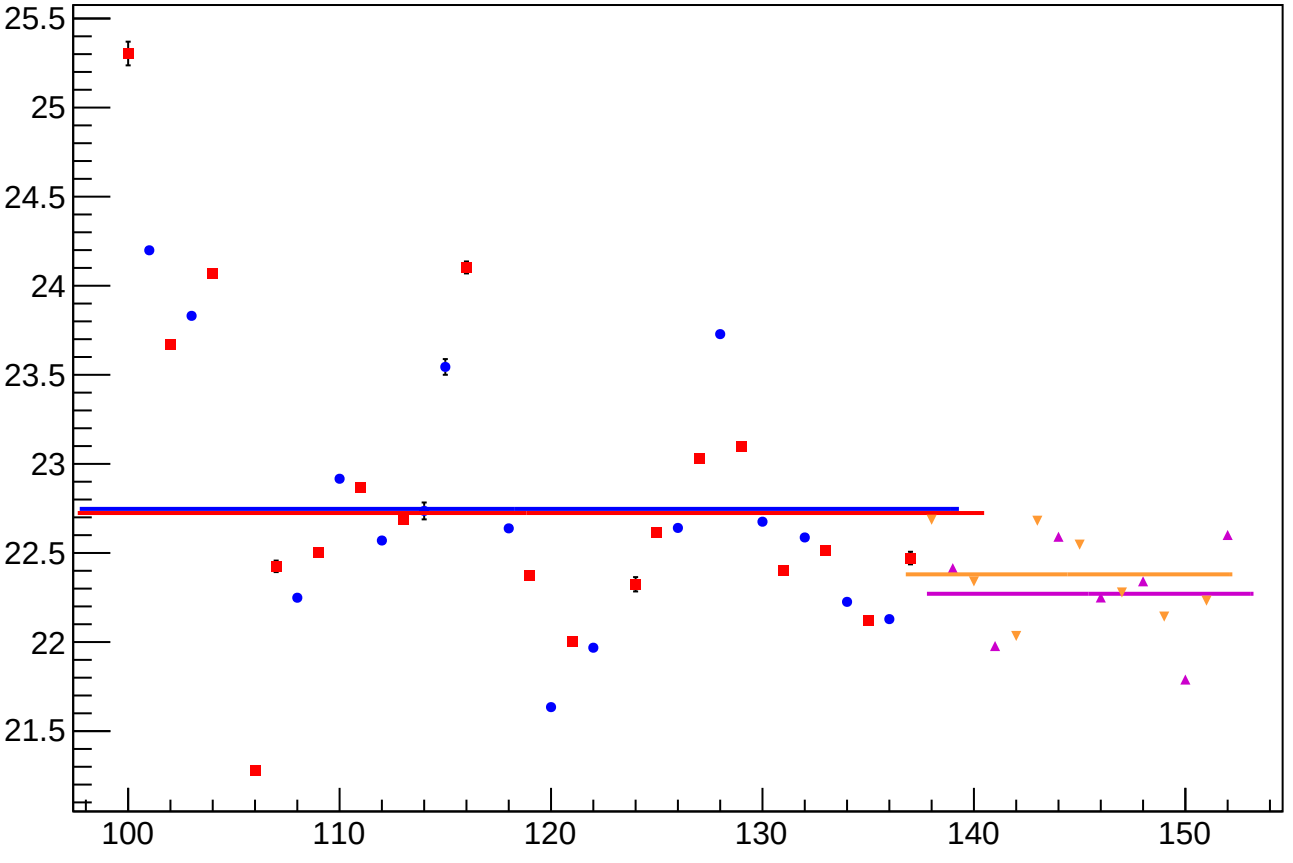
Left In: -4.582+/-8.992 χ^2/NDF:6.5/6

+ sign 8.051+/-6.159 χ^2/NDF: 32.2/23

All: -2.665+/-4.333 χ^2/NDF: 61.7/49

- sign -13.162+/-6.096 χ^2/NDF: 23.5/25

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: 22.380+/-0.006 χ^2/NDF:1183.1/7

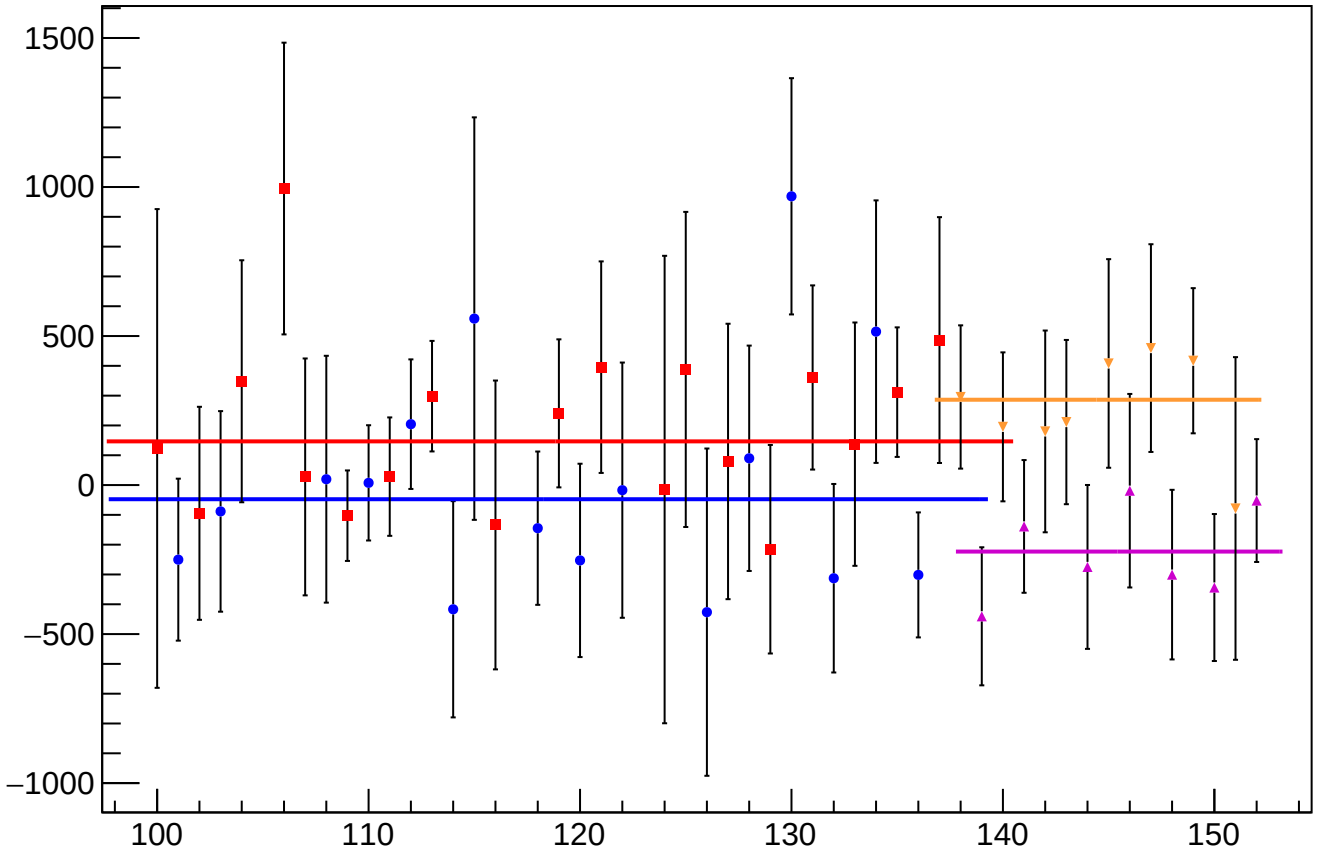
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.271+/-0.006 χ^2/NDF:2009.6/6

+ sign 22.575+/-0.004 χ^2/NDF: 17578.6/23

All: 22.545+/-0.003 χ^2/NDF: 36918.7/49

- sign 22.516+/-0.004 χ^2/NDF: 19246.9/25



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 286.278+/-104.055 χ^2/NDF:1.5/7

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

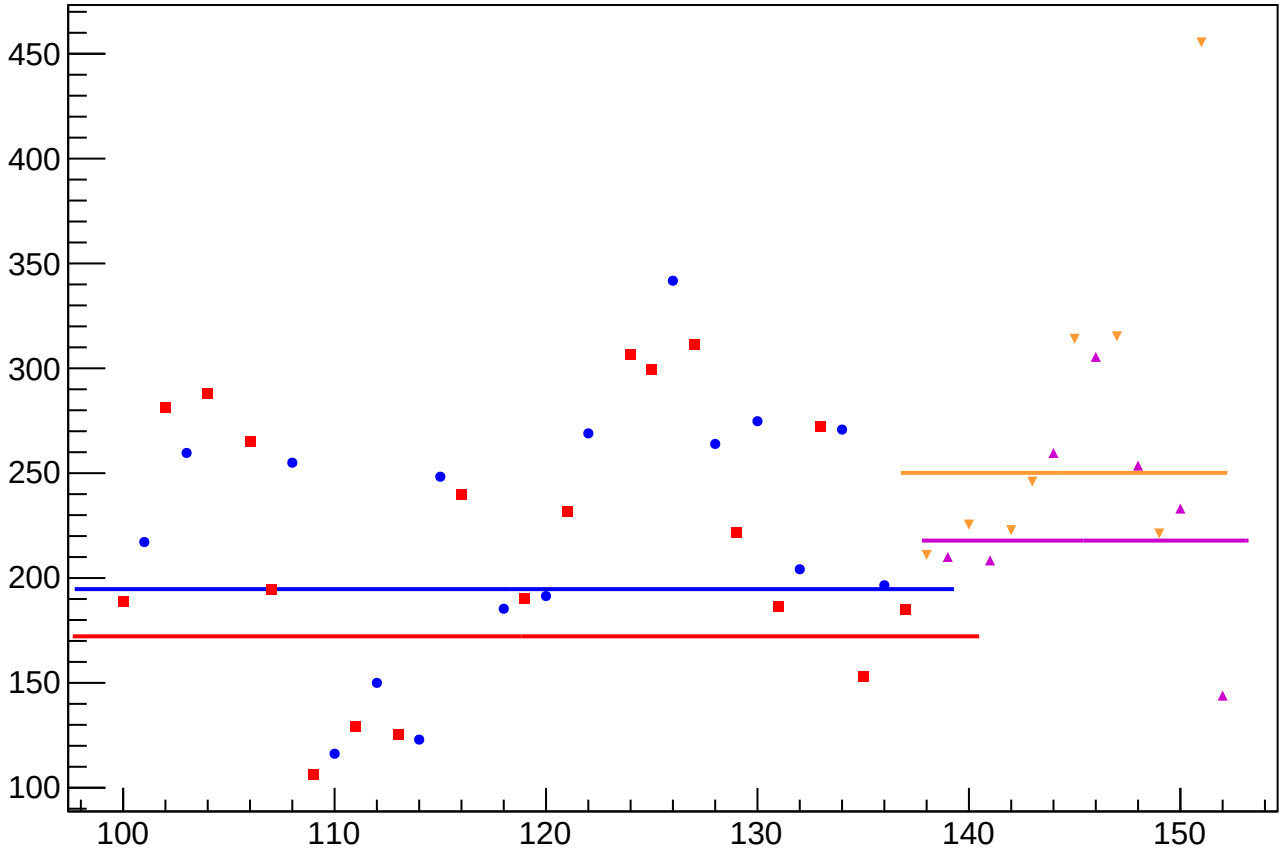
Left In: -223.164+/-93.713 χ^2/NDF:2.5/6

+ sign 69.736+/-61.673 χ^2/NDF: 23.5/23

All: 41.070+/-41.151 χ^2/NDF: 48.1/49

- sign 18.067+/-55.248 χ^2/NDF: 24.2/25

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: 250.153+/-0.074 χ^2/NDF:577620.0/7

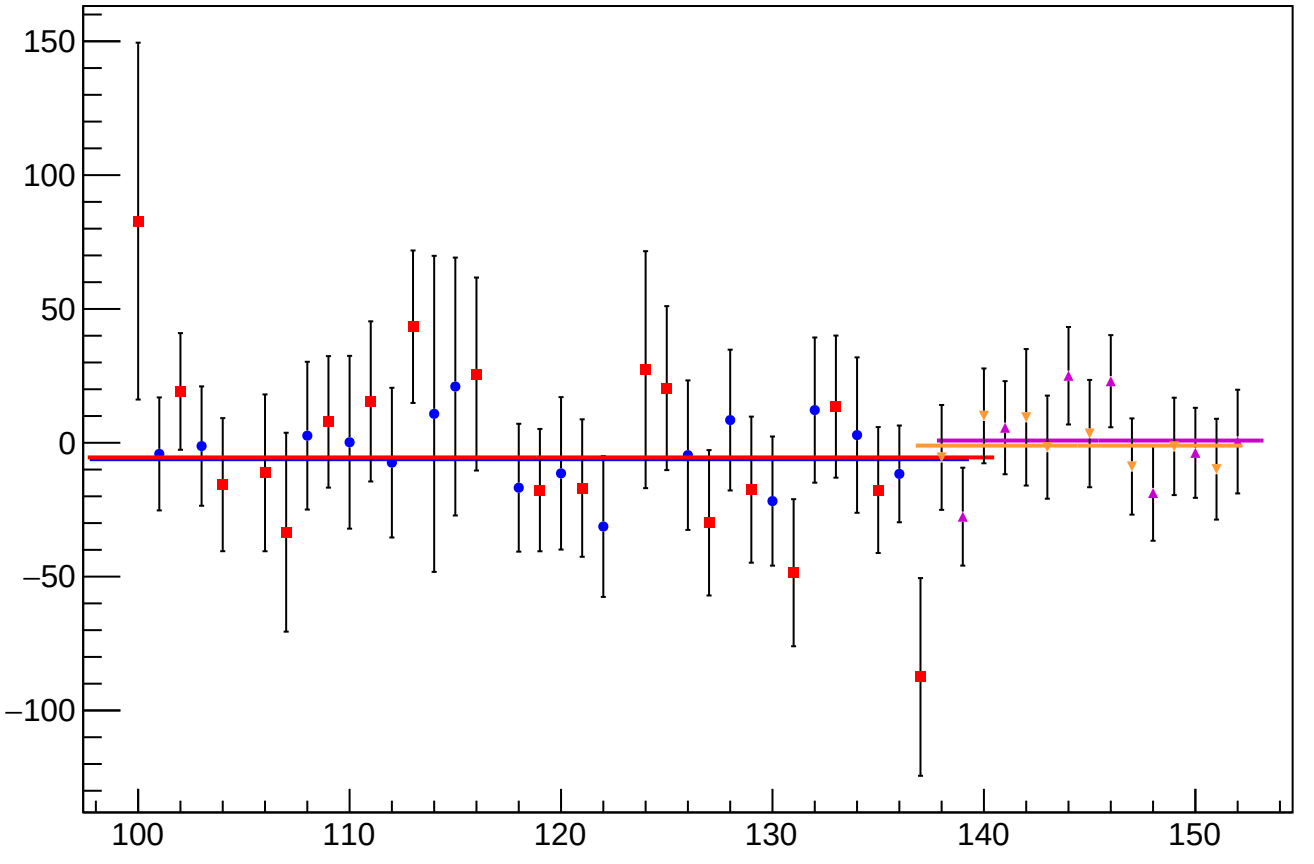
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 217.863+/-0.066 χ^2/NDF:494113.5/6

+ sign 214.185+/-0.044 χ^2/NDF: 1998271.7/23

All: 199.692+/-0.029 χ^2/NDF: 4672533.7/49

- sign 188.061+/-0.039 χ^2/NDF: 2475183.6/25



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: -1.058+/-6.828 χ^2/NDF:1.1/7

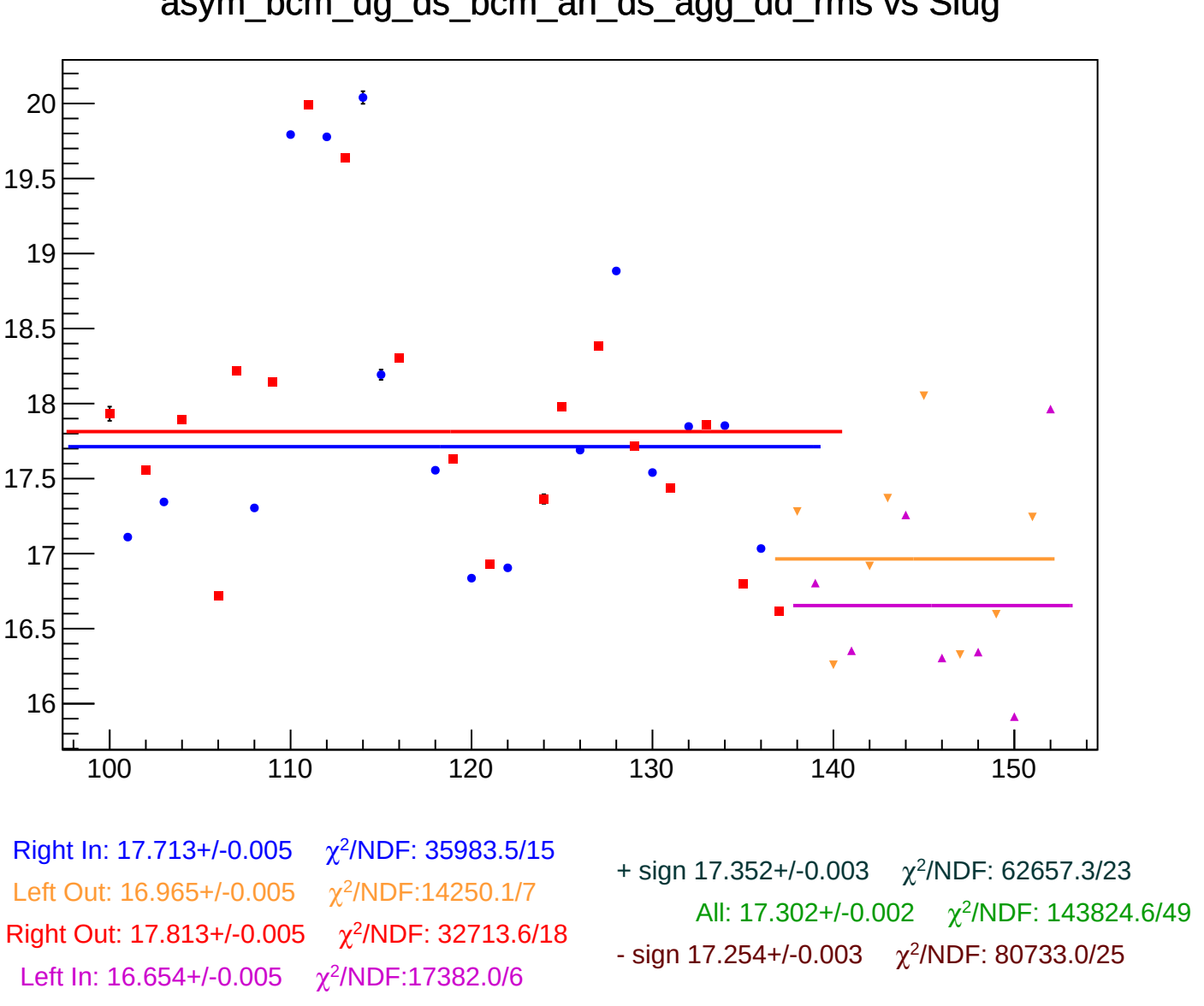
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

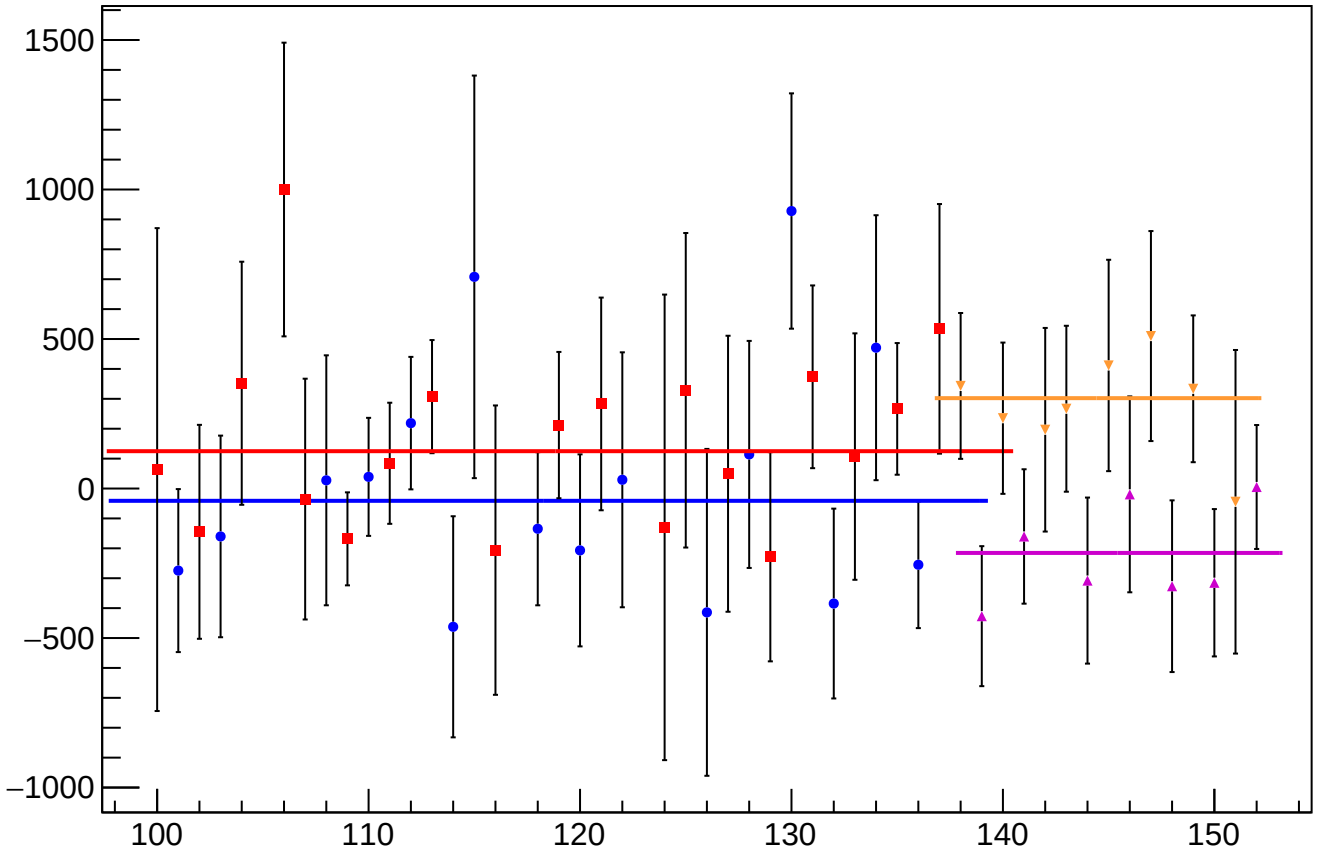
Left In: 0.839+/-6.738 χ^2/NDF:7.2/6

+ sign -3.677+/-4.743 χ^2/NDF: 4.5/23

All: -3.043+/-3.332 χ^2/NDF: 31.4/49

- sign -2.425+/-4.681 χ^2/NDF: 26.8/25


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug
20
19.5
19
18.5
18
17.5
17
16.5
16
100
110
120
130
140
150
Right In: 17.713+/-0.005 χ²/NDF: 35983.5/15
Left Out: 16.965+/-0.005 χ²/NDF:14250.1/7
Right Out: 17.813+/-0.005 χ²/NDF: 32713.6/18
Left In: 16.654+/-0.005 χ²/NDF:17382.0/6
+ sign 17.352+/-0.003 χ²/NDF: 62657.3/23
All: 17.302+/-0.002 χ²/NDF: 143824.6/49
- sign 17.254+/-0.003 χ²/NDF: 80733.0/25



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 302.234+/-105.034 χ^2/NDF:1.1/7

Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

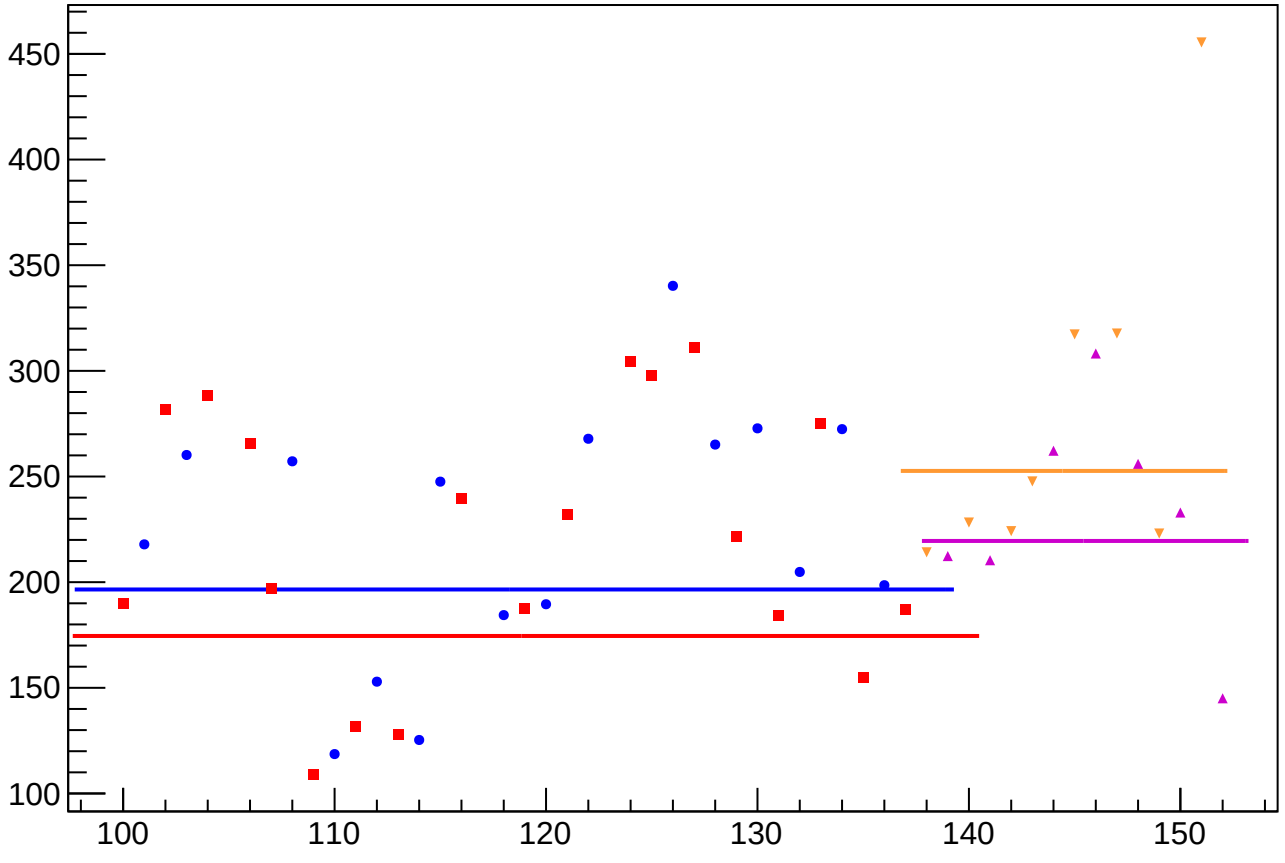
Left In: -215.395+/-94.396 χ^2/NDF:2.8/6

+ sign 79.189+/-62.173 χ^2/NDF: 23.7/23

All: 38.703+/-41.512 χ^2/NDF: 48.6/49

- sign 6.136+/-55.762 χ^2/NDF: 24.1/25

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: 252.651+/-0.074 χ^2/NDF:566855.4/7

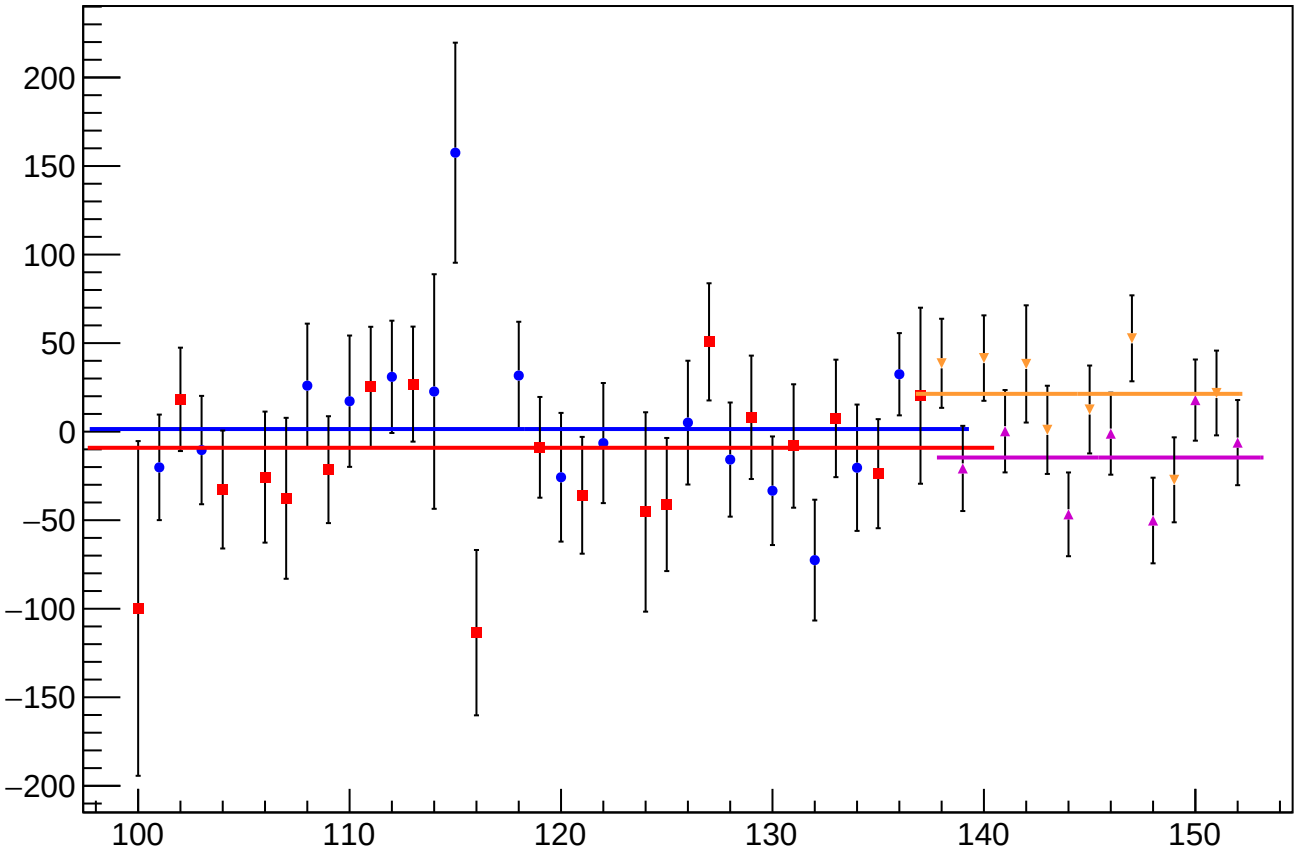
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 219.507+/-0.067 χ^2/NDF:495561.7/6

+ sign 216.202+/-0.044 χ^2/NDF: 1938376.3/23

All: 201.809+/-0.029 χ^2/NDF: 4511537.4/49

- sign 190.231+/-0.039 χ^2/NDF: 2379765.2/25



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 21.350+/-8.899 χ^2/NDF:8.0/7

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

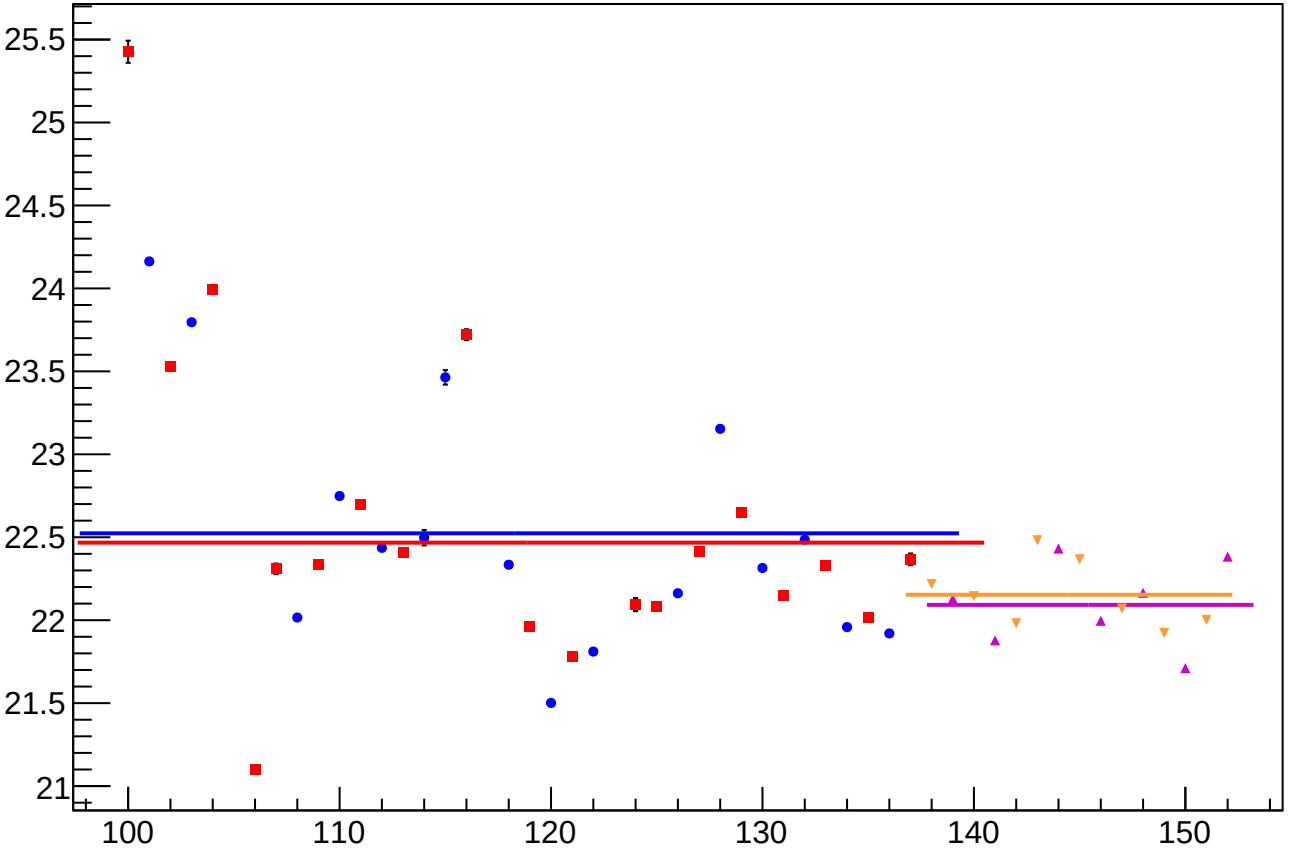
Left In: -14.607+/-8.919 χ^2/NDF:6.9/6

+ sign 10.805+/-6.097 χ^2/NDF: 29.3/23

All: -0.526+/-4.289 χ^2/NDF: 59.7/49

- sign -11.629+/-6.036 χ^2/NDF: 23.6/25

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: 22.153+/-0.006 χ^2/NDF:850.5/7

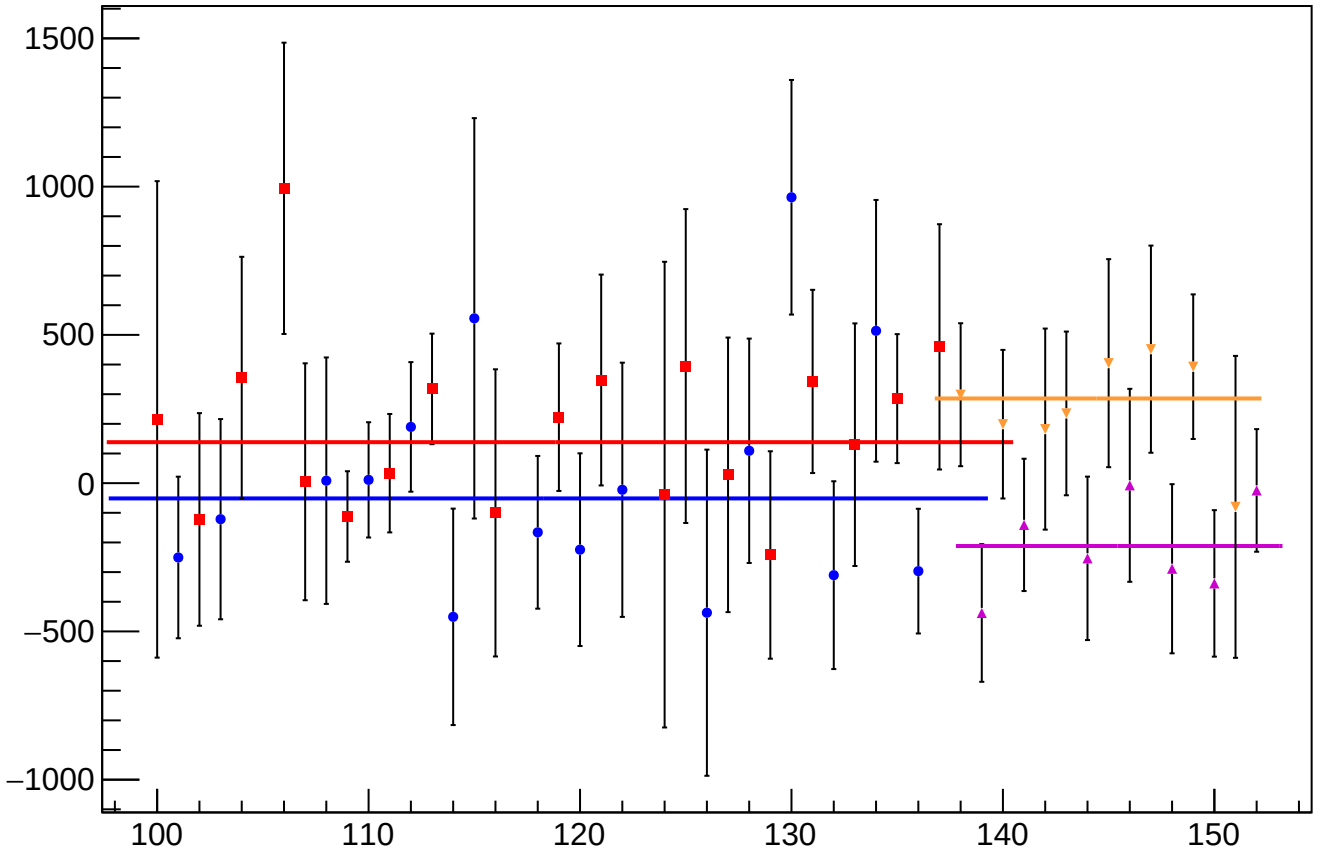
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.092+/-0.006 χ^2/NDF:1483.9/6

+ sign 22.350+/-0.004 χ^2/NDF: 18635.0/23

All: 22.322+/-0.003 χ^2/NDF: 37743.5/49

- sign 22.296+/-0.004 χ^2/NDF: 19029.2/25



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 285.556+/-104.281 χ^2/NDF:1.3/7

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

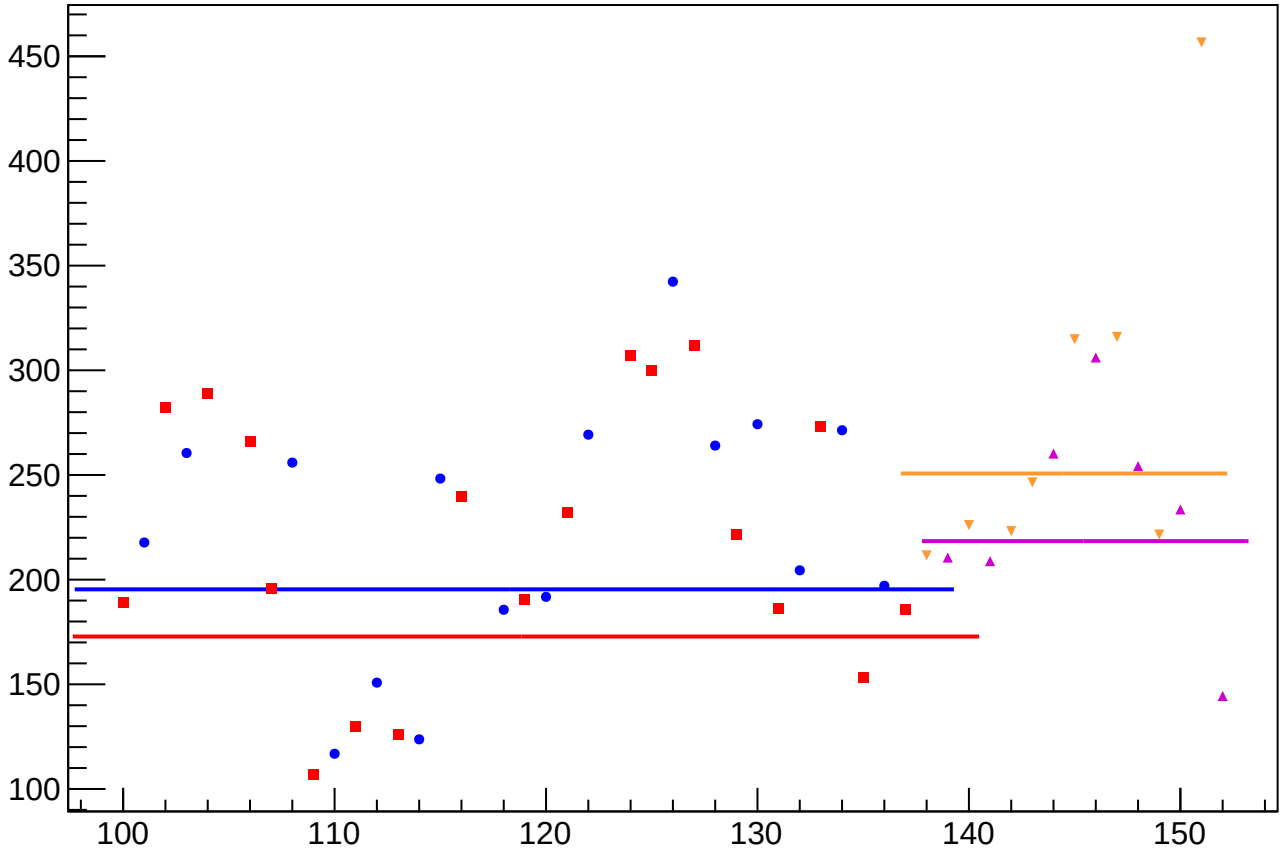
Left In: -211.977+/-93.936 χ^2/NDF:2.6/6

+ sign 67.029+/-61.838 χ^2/NDF: 23.4/23

All: 38.912+/-41.268 χ^2/NDF: 47.1/49

- sign 16.334+/-55.413 χ^2/NDF: 23.3/25

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 250.689+/-0.074 χ^2/NDF:578215.8/7

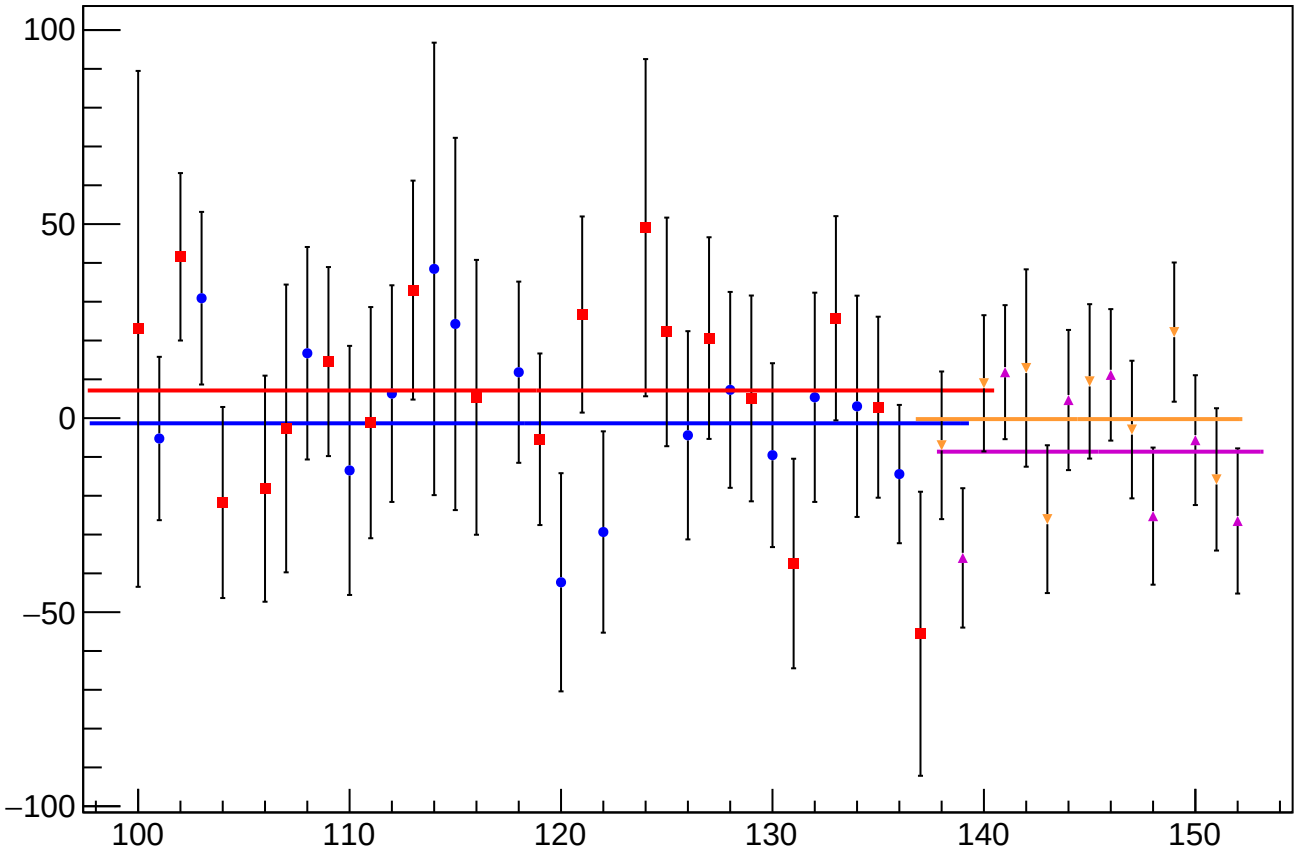
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 218.402+/-0.066 χ^2/NDF:492463.7/6

+ sign 214.817+/-0.044 χ^2/NDF: 1984677.9/23

All: 200.327+/-0.029 χ^2/NDF: 4641367.1/49

- sign 188.693+/-0.039 χ^2/NDF: 2458716.3/25



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.247+/-6.726 χ^2/NDF:5.0/7

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

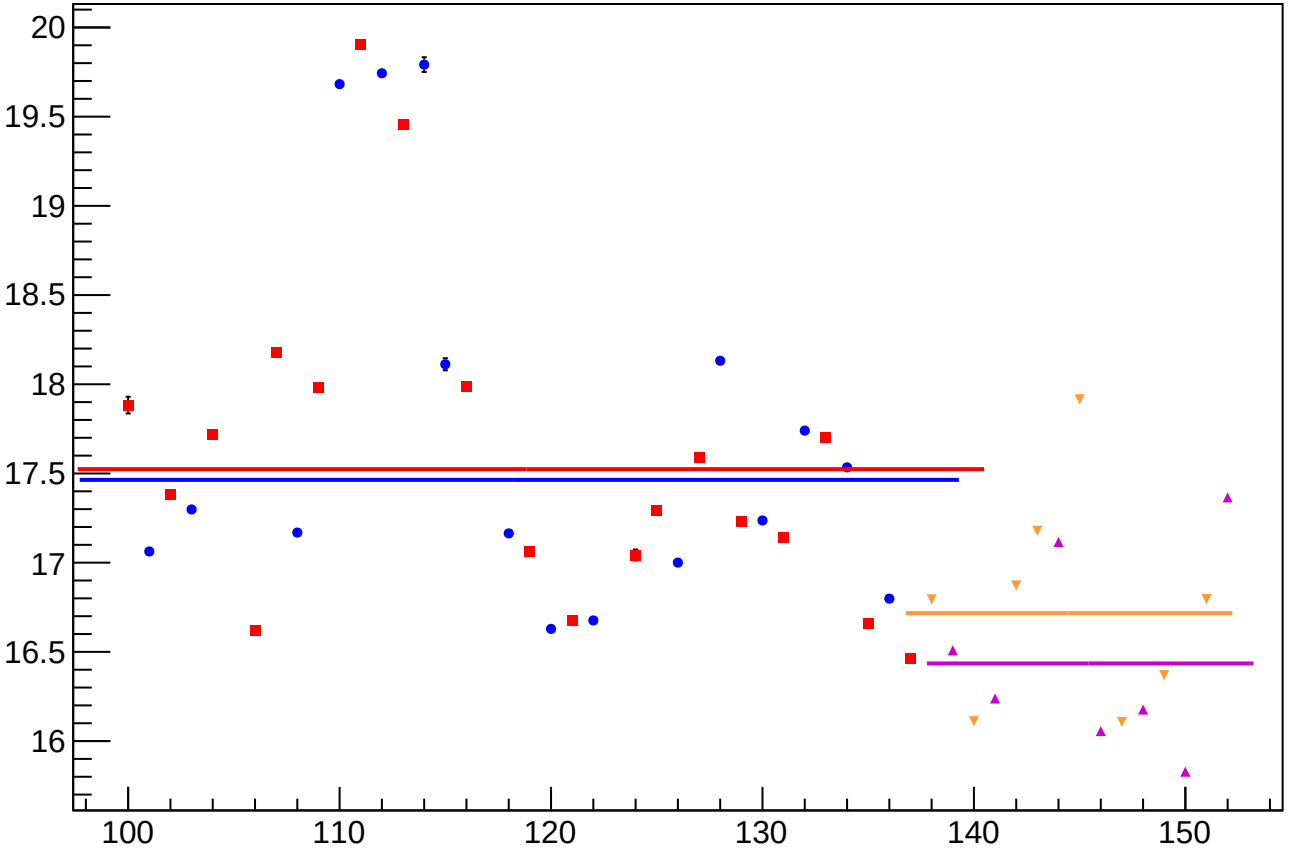
Left In: -8.643+/-6.646 χ^2/NDF:7.5/6

+ sign -0.808+/-4.674 χ^2/NDF: 13.1/23

All: -0.633+/-3.282 χ^2/NDF: 37.9/49

- sign -0.463+/-4.611 χ^2/NDF: 24.8/25

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: 16.717+/-0.005 χ^2/NDF:14075.4/7

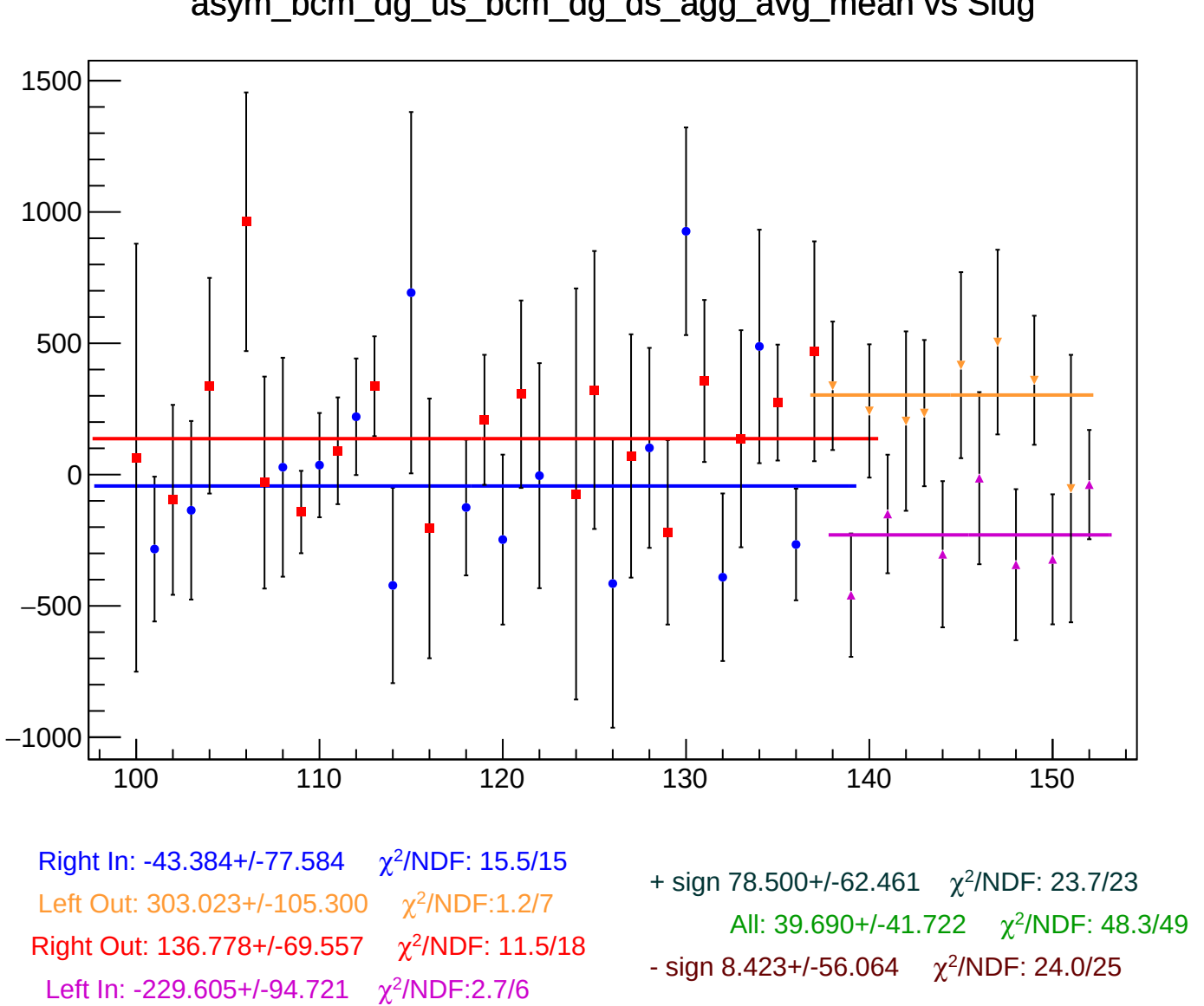
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.435+/-0.005 χ^2/NDF:12147.0/6

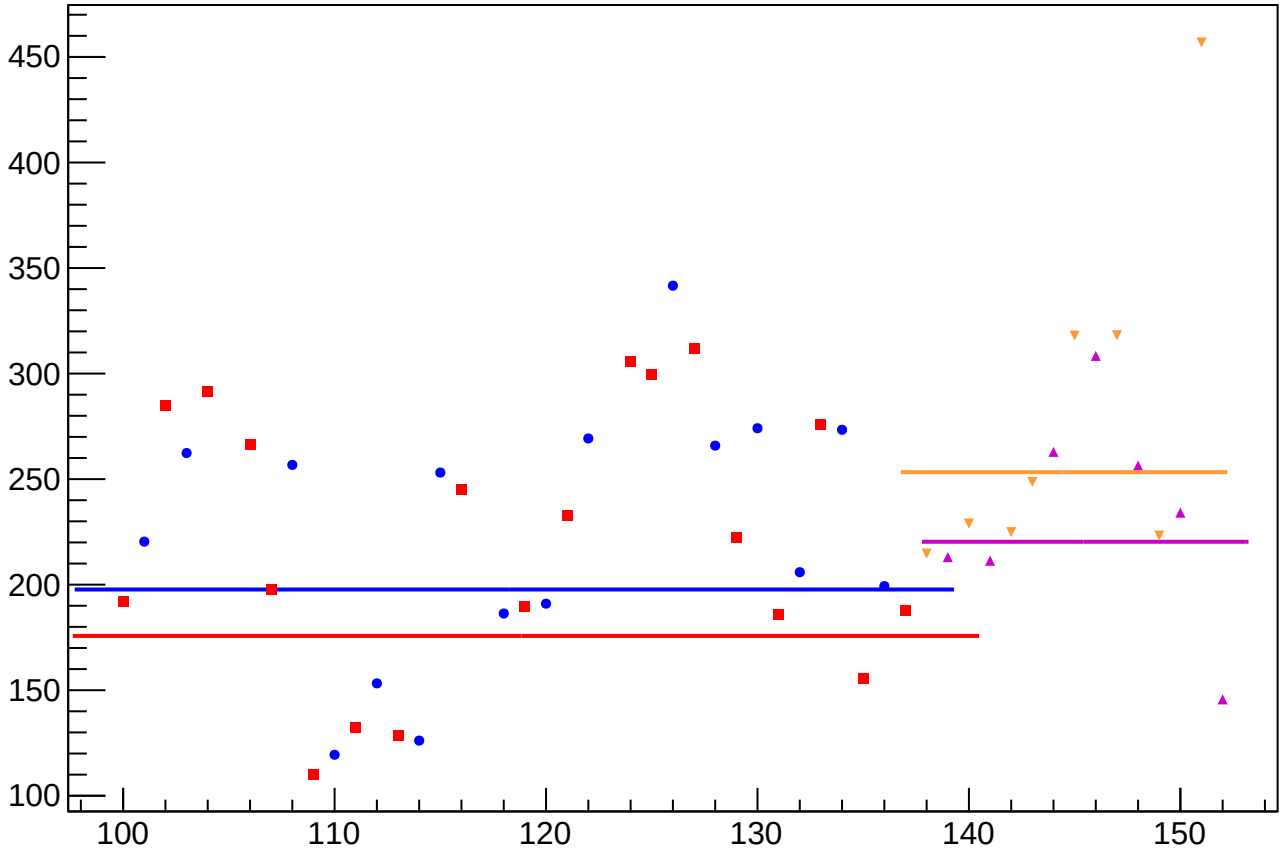
+ sign 17.104+/-0.003 χ^2/NDF: 63482.4/23

All: 17.051+/-0.002 χ^2/NDF: 138709.7/49

- sign 17.000+/-0.003 χ^2/NDF: 74731.2/25


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: -43.384+/-77.584 χ²/NDF: 15.5/15
Left Out: 303.023+/-105.300 χ²/NDF:1.2/7
Right Out: 136.778+/-69.557 χ²/NDF: 11.5/18
Left In: -229.605+/-94.721 χ²/NDF:2.7/6
+ sign 78.500+/-62.461 χ²/NDF: 23.7/23
All: 39.690+/-41.722 χ²/NDF: 48.3/49
- sign 8.423+/-56.064 χ²/NDF: 24.0/25

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 253.294+/-0.074 χ^2/NDF:566797.9/7

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

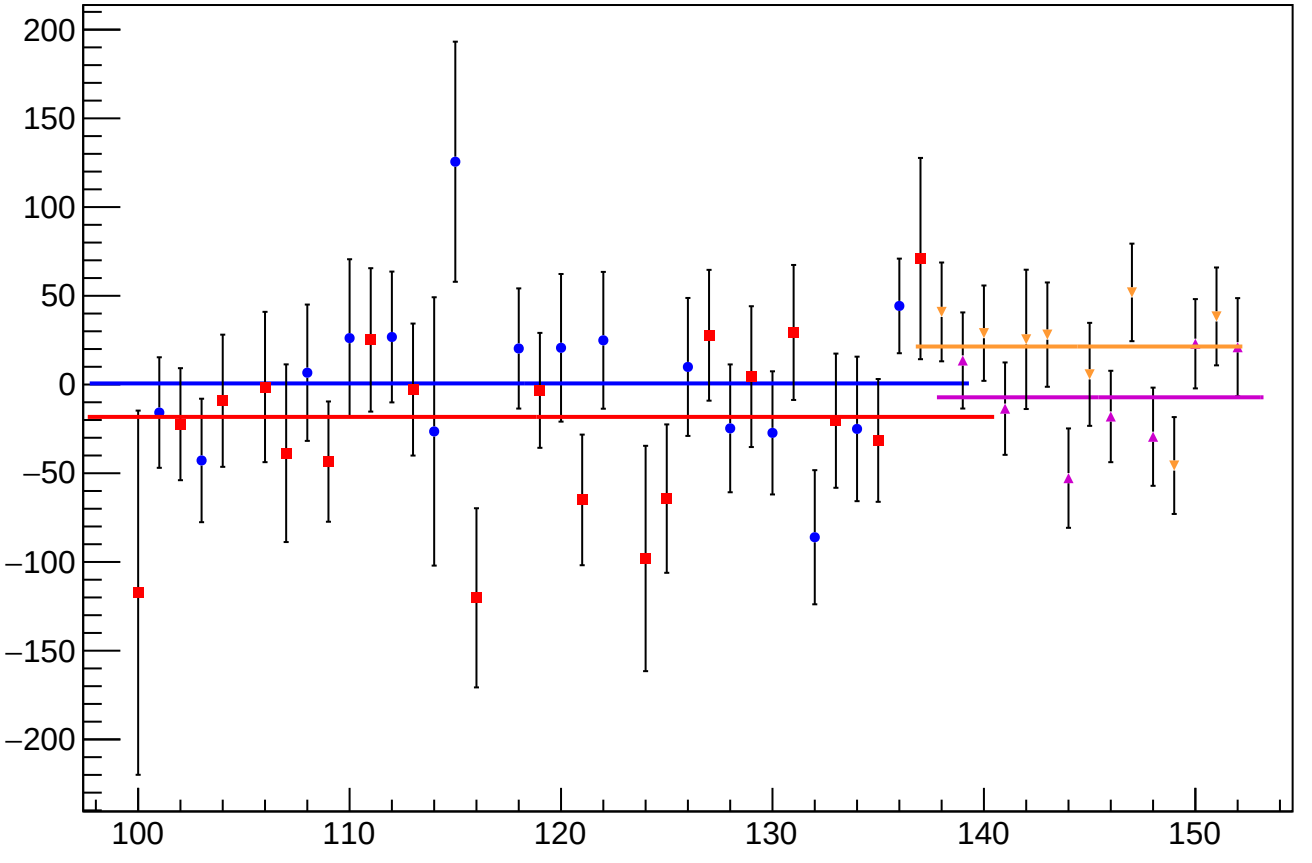
Left In: 220.316+/-0.067 χ^2/NDF:491501.9/6

+ sign 217.266+/-0.044 χ^2/NDF: 1928356.8/23

All: 202.908+/-0.030 χ^2/NDF: 4489310.1/49

- sign 191.340+/-0.040 χ^2/NDF: 2370136.1/25

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: 21.420+/-10.180 χ^2/NDF:8.6/7

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

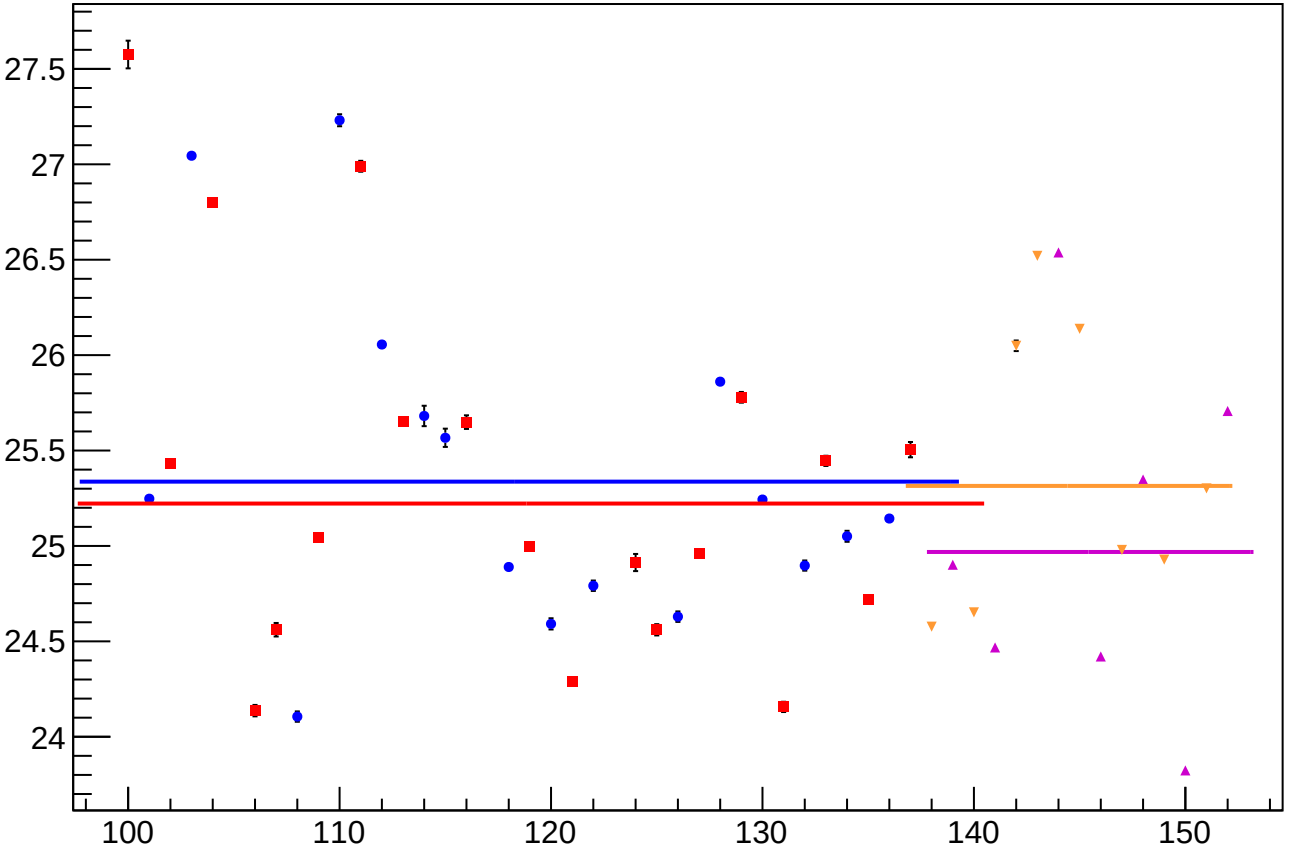
Left In: -7.199+/-10.094 χ^2/NDF:6.6/6

+ sign 10.215+/-6.915 χ^2/NDF: 27.6/23

All: -1.698+/-4.849 χ^2/NDF: 58.6/49

- sign -13.230+/-6.803 χ^2/NDF: 25.2/25

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: 25.315+/-0.007 χ^2/NDF:8992.9/7

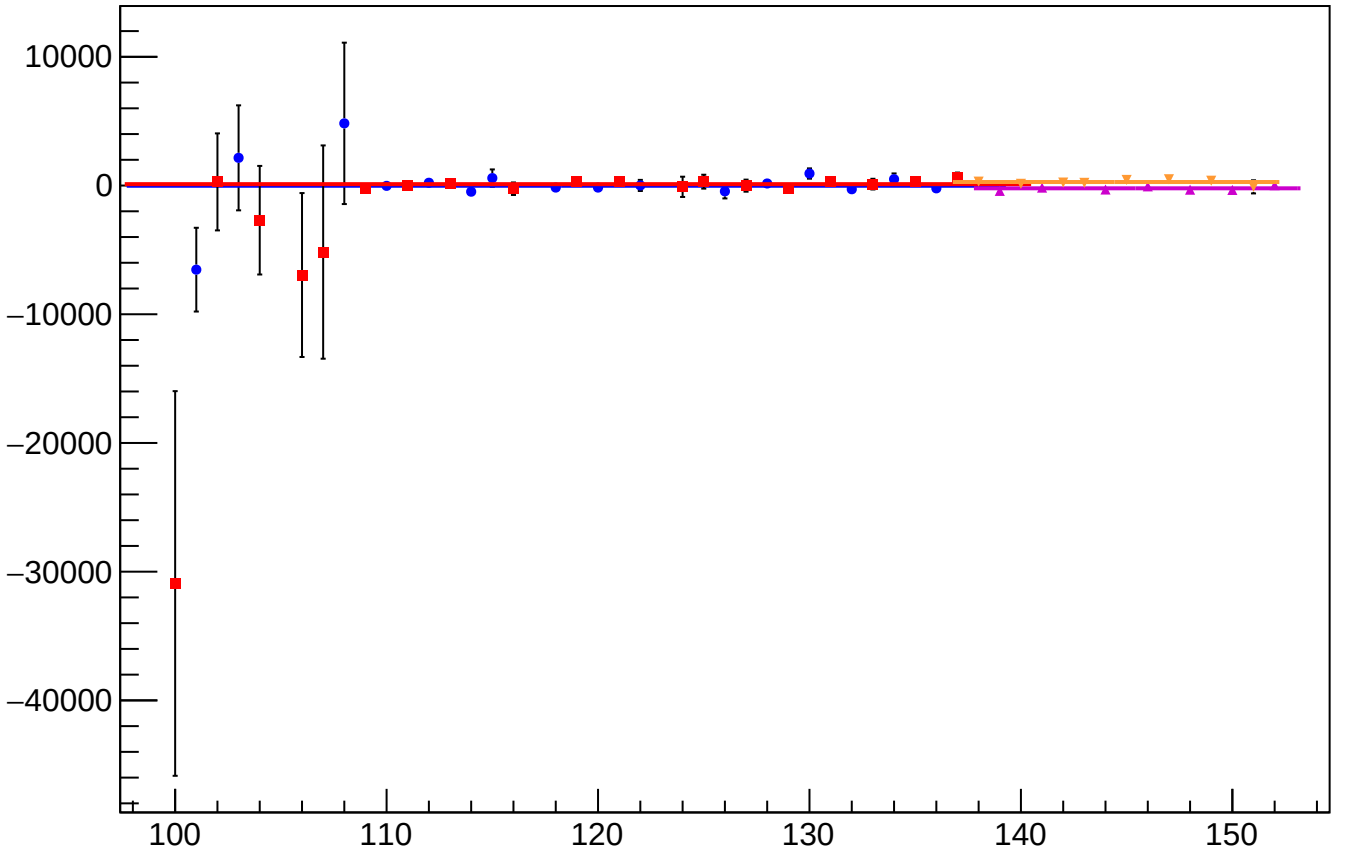
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.968+/-0.007 χ^2/NDF:13879.3/6

\+ sign 25.327+/-0.005 χ^2/NDF: 23313.1/23

All: 25.215+/-0.003 χ^2/NDF: 54133.2/49

\- sign 25.107+/-0.005 χ^2/NDF: 29793.4/25



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 274.745+/-106.670 χ^2/NDF:1.7/7

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

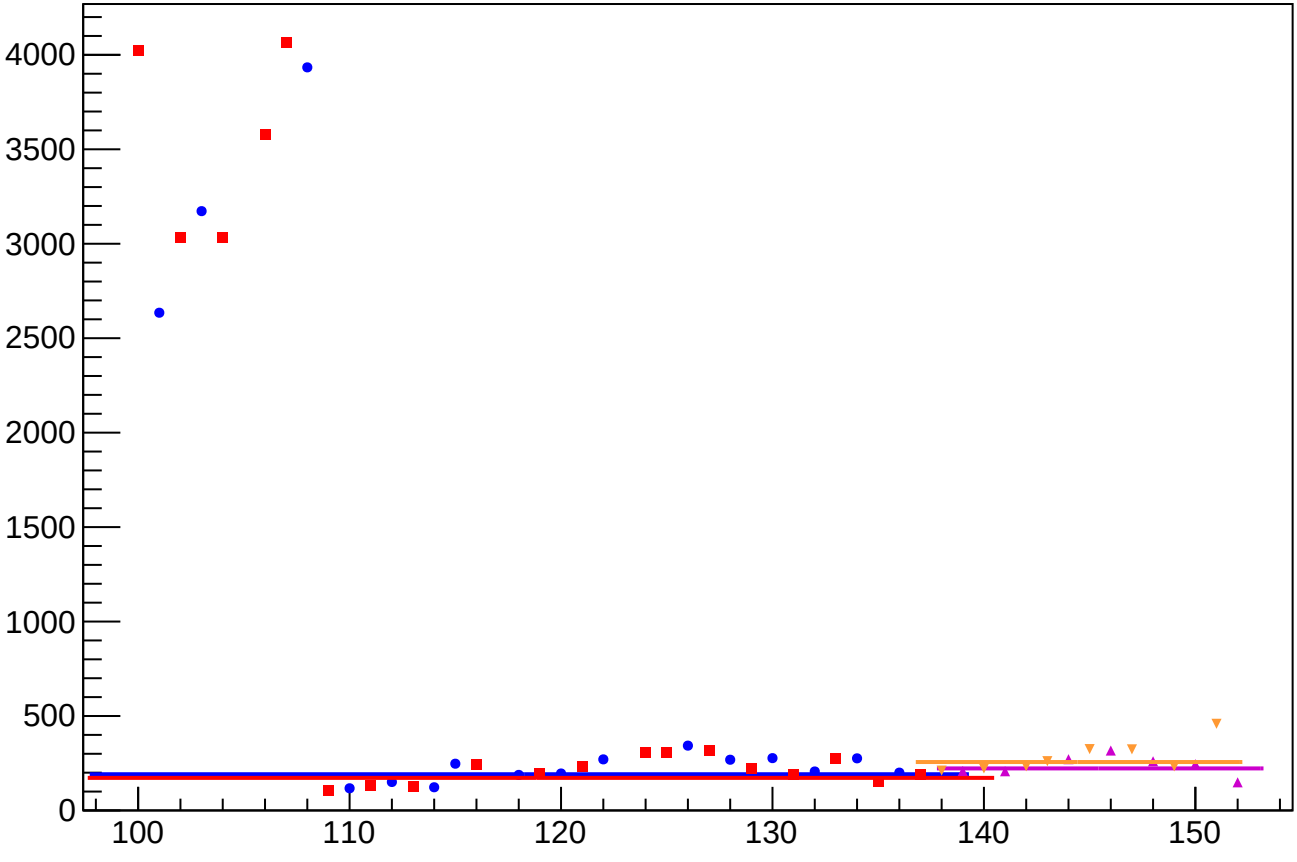
Left In: -215.048+/-95.753 χ^2/NDF:2.8/6

+ sign 96.767+/-66.332 χ^2/NDF: 24.5/23

All: 32.740+/-44.708 χ^2/NDF: 49.9/49

- sign -20.559+/-60.521 χ^2/NDF: 23.7/25

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: 256.380+/-0.075 χ^2/NDF:591202.1/7

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

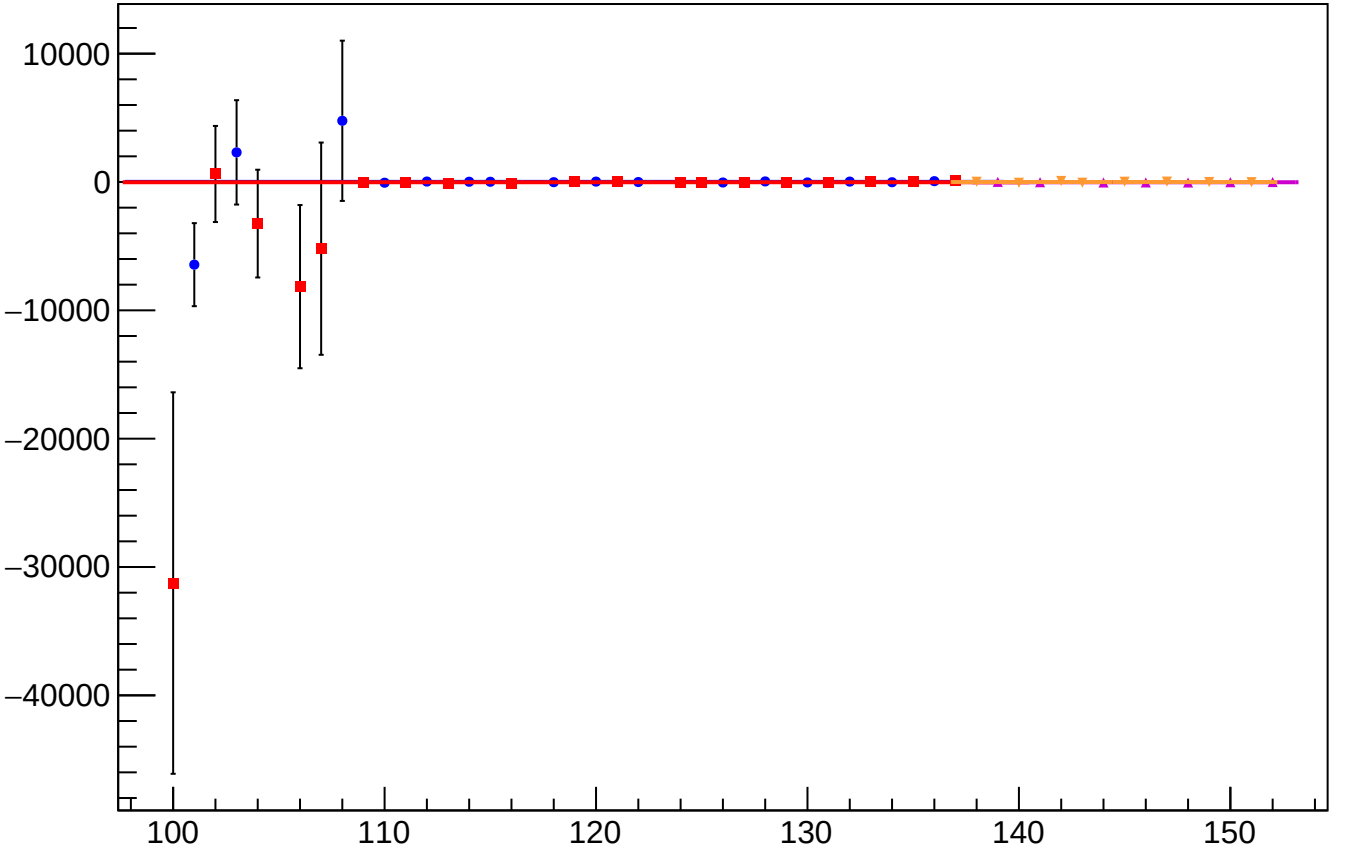
Left In: 222.507+/-0.068 χ^2/NDF:523251.7/6

+ sign 216.733+/-0.047 χ^2/NDF: 4863495.7/23

All: 203.484+/-0.032 χ^2/NDF: 10164163.5/49

- sign 192.455+/-0.043 χ^2/NDF: 5154454.6/25

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: -2.136+/-11.830 χ^2/NDF:11.2/7

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

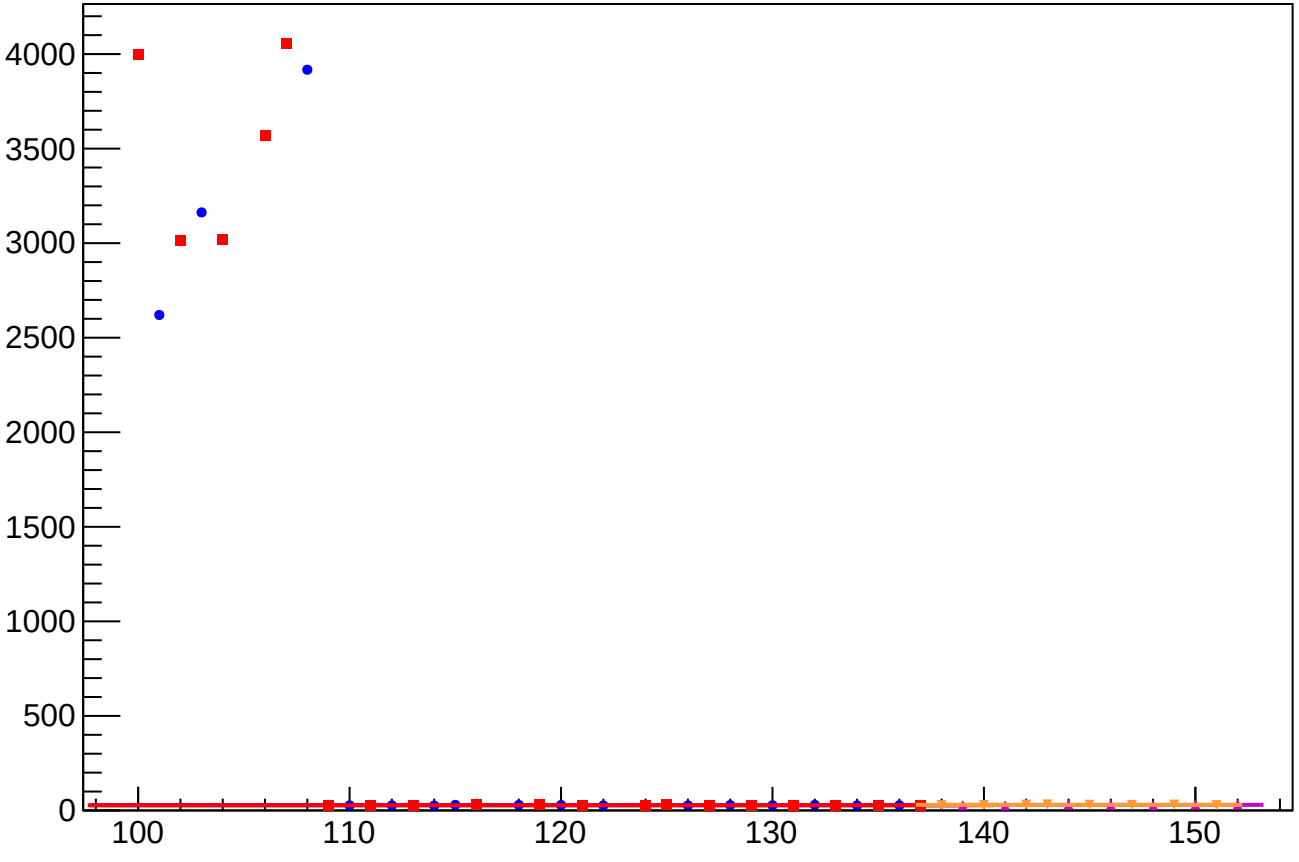
Left In: -19.278+/-11.975 χ^2/NDF:2.0/6

+ sign 3.792+/-8.313 χ^2/NDF: 27.7/23

All: -7.319+/-5.911 χ^2/NDF: 58.0/49

- sign -18.683+/-8.407 χ^2/NDF: 26.8/25

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: 29.330+/-0.008 χ^2/NDF:26163.4/7

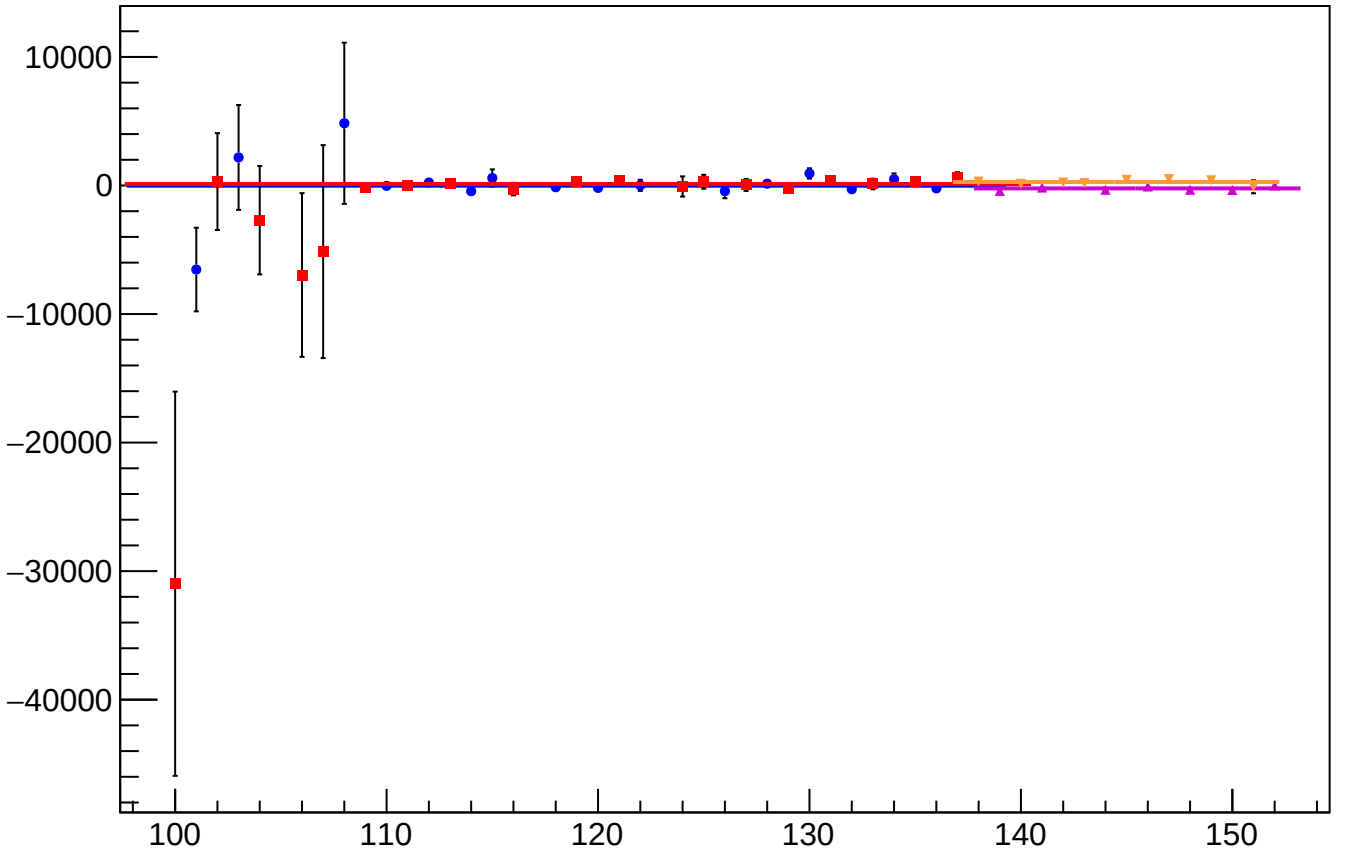
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.526+/-0.008 χ^2/NDF:39418.0/6

+ sign 28.475+/-0.006 χ^2/NDF: 3312275.4/23

All: 28.495+/-0.004 χ^2/NDF: 6934985.2/49

- sign 28.516+/-0.006 χ^2/NDF: 3622686.2/25



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 275.450+/-106.441 χ^2/NDF:1.8/7

Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

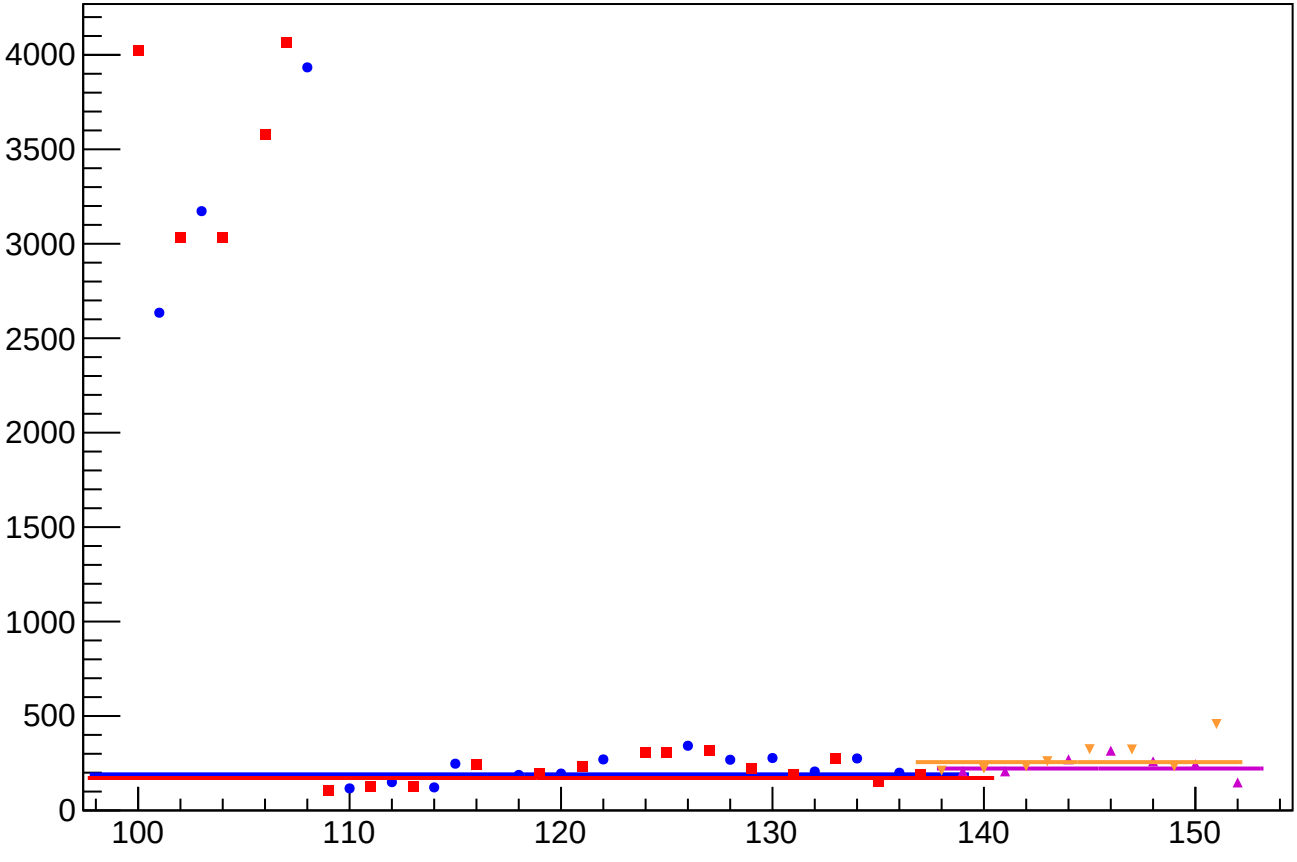
Left In: -226.123+/-95.530 χ^2/NDF:2.6/6

+ sign 98.338+/-66.159 χ^2/NDF: 24.7/23

All: 34.122+/-44.588 χ^2/NDF: 51.3/49

- sign -19.320+/-60.354 χ^2/NDF: 24.9/25

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 255.832+/-0.075 χ^2/NDF:590989.9/7

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

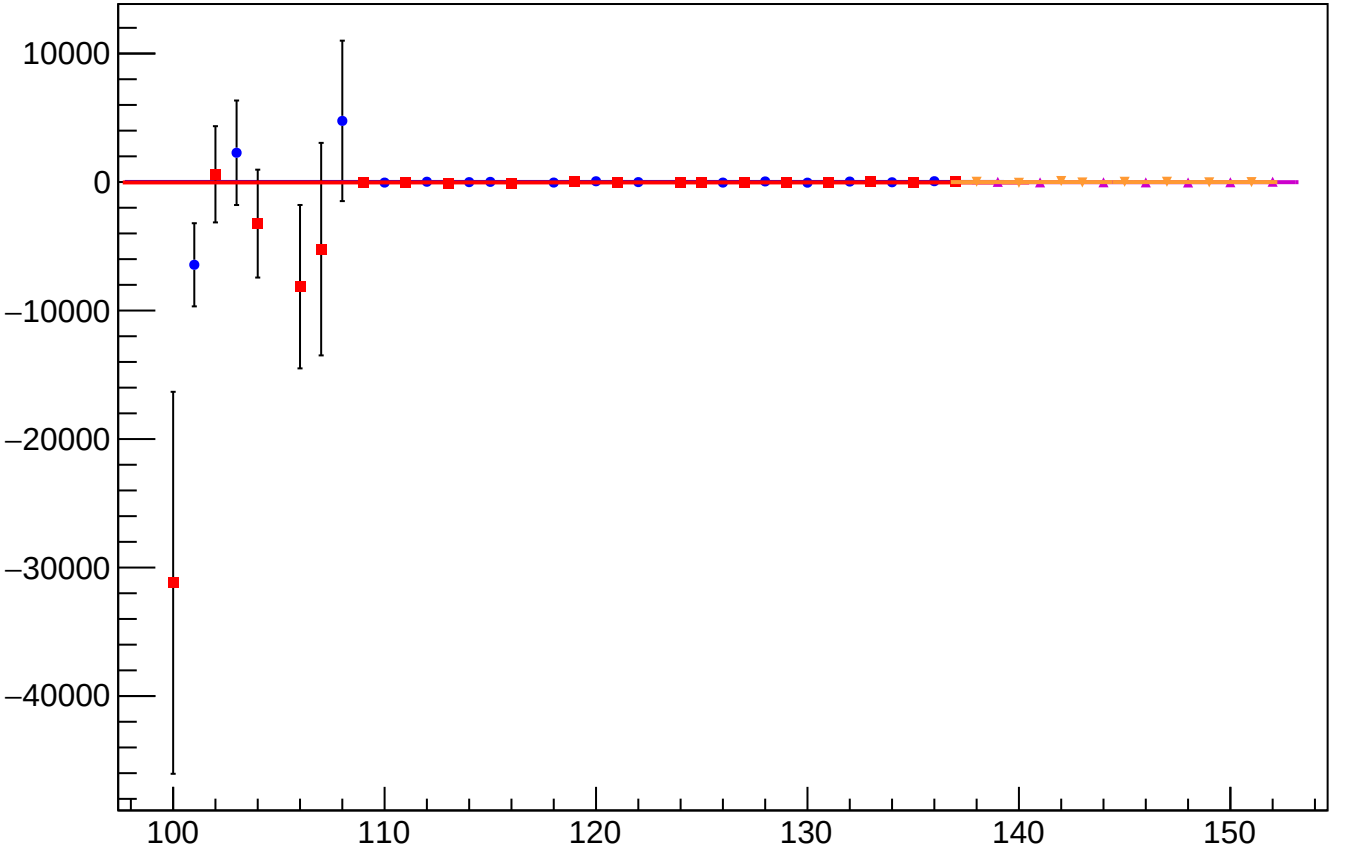
Left In: 221.971+/-0.068 χ^2/NDF:524890.2/6

+ sign 216.089+/-0.047 χ^2/NDF: 4879293.9/23

All: 202.858+/-0.032 χ^2/NDF: 10196455.3/49

- sign 191.847+/-0.043 χ^2/NDF: 5170596.7/25

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -3.336+/-11.904 χ^2/NDF:9.0/7

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

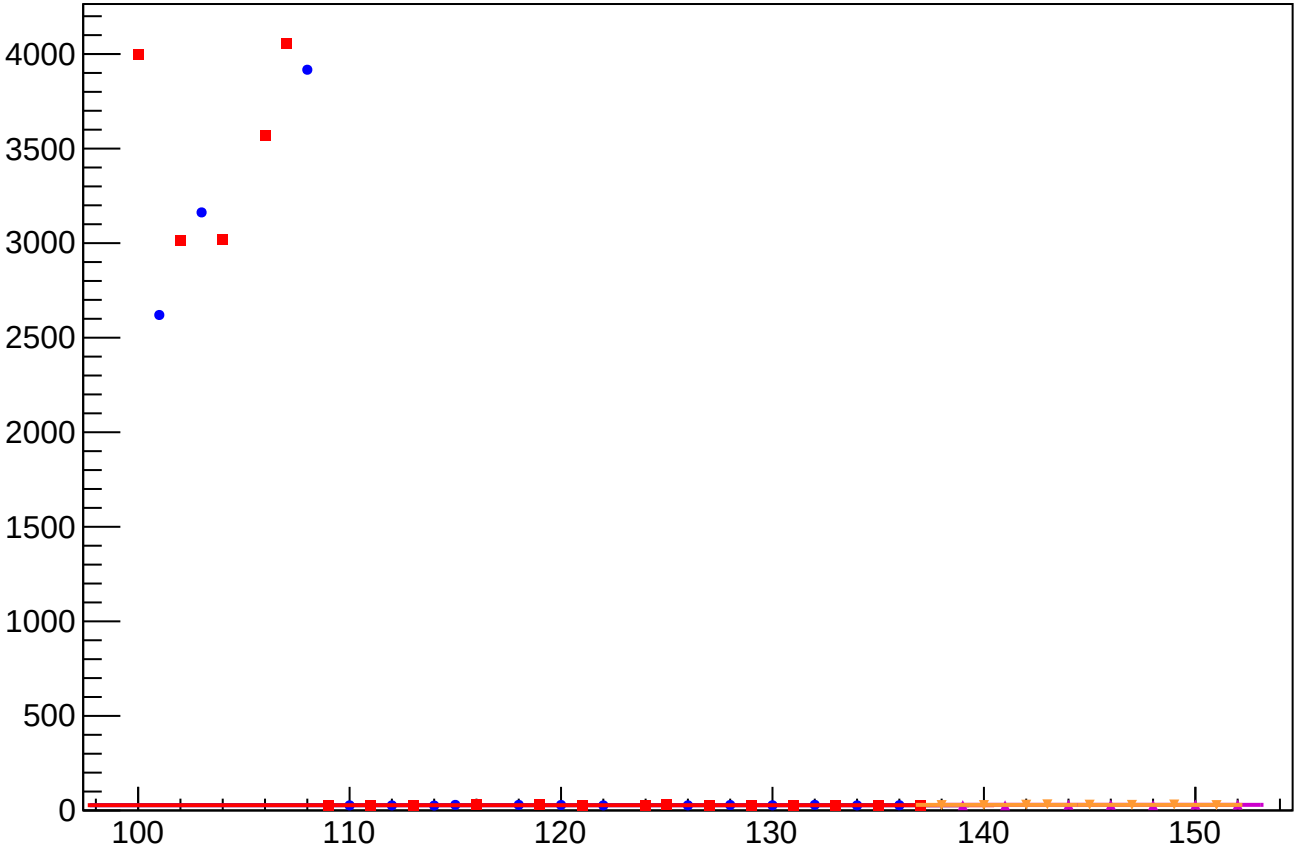
Left In: -10.524+/-12.034 χ^2/NDF:2.7/6

+ sign 1.635+/-8.368 χ^2/NDF: 27.7/23

All: -9.484+/-5.950 χ^2/NDF: 55.3/49

- sign -20.856+/-8.462 χ^2/NDF: 24.1/25

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: 29.512+/-0.008 χ^2/NDF:27579.1/7

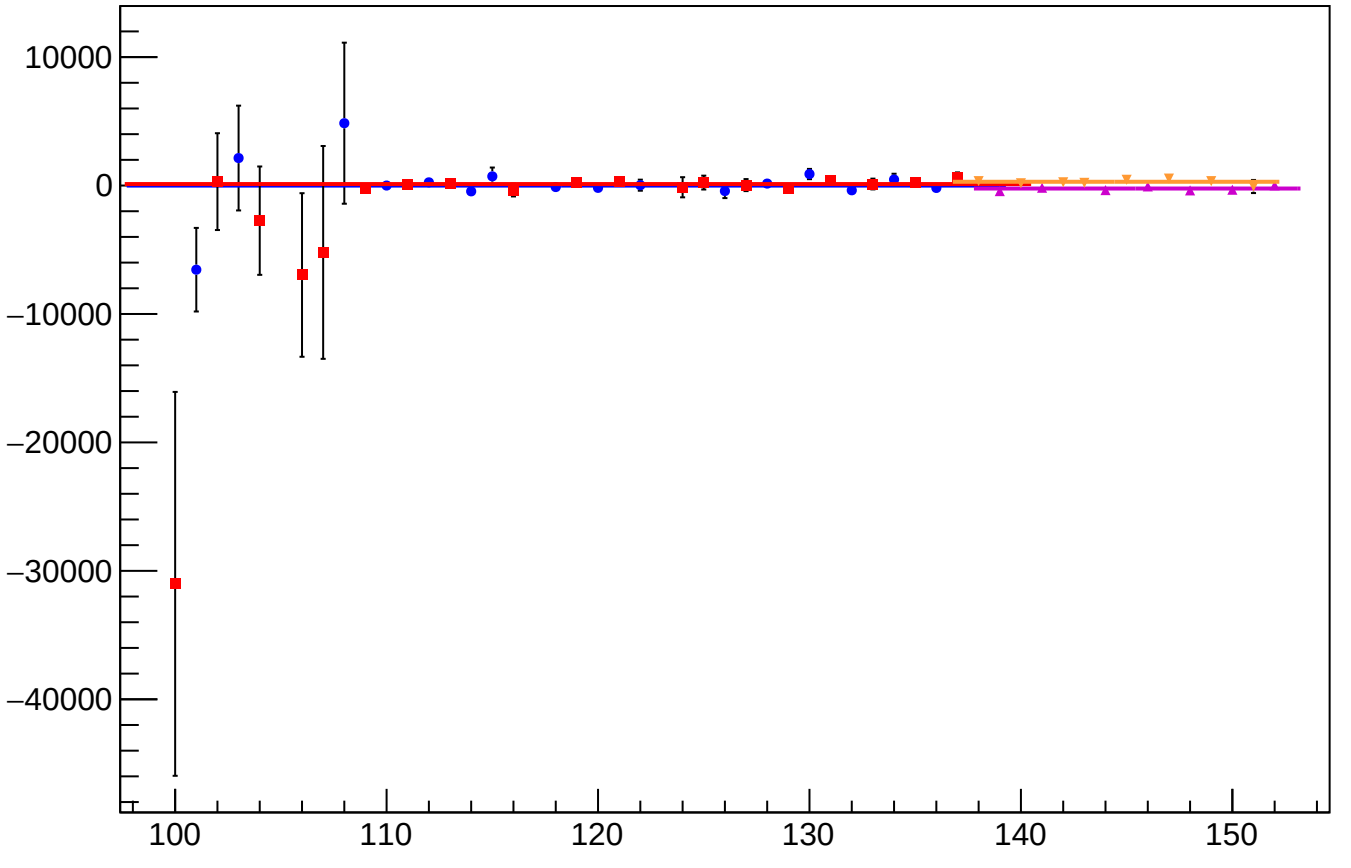
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.679+/-0.009 χ^2/NDF:40158.3/6

+ sign 28.658+/-0.006 χ^2/NDF: 3313801.6/23

All: 28.682+/-0.004 χ^2/NDF: 6938542.7/49

- sign 28.705+/-0.006 χ^2/NDF: 3624710.0/25



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 293.117+/-107.686 χ^2/NDF:1.6/7

Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

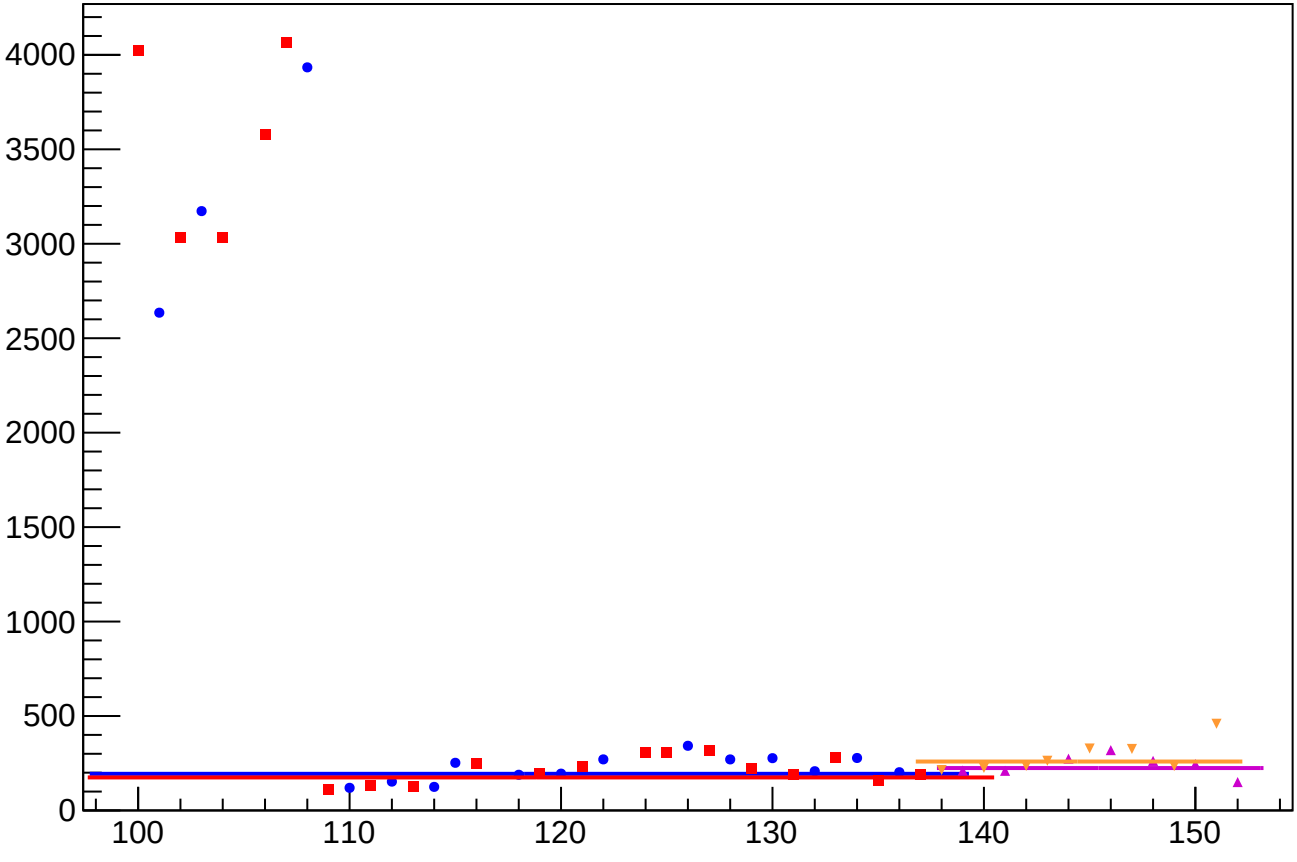
Left In: -232.644+/-96.541 χ^2/NDF:3.0/6

+ sign 111.633+/-66.964 χ^2/NDF: 24.4/23

All: 37.705+/-45.142 χ^2/NDF: 51.2/49

- sign -23.875+/-61.117 χ^2/NDF: 24.6/25

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 258.992+/-0.076 χ^2/NDF:578354.8/7

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

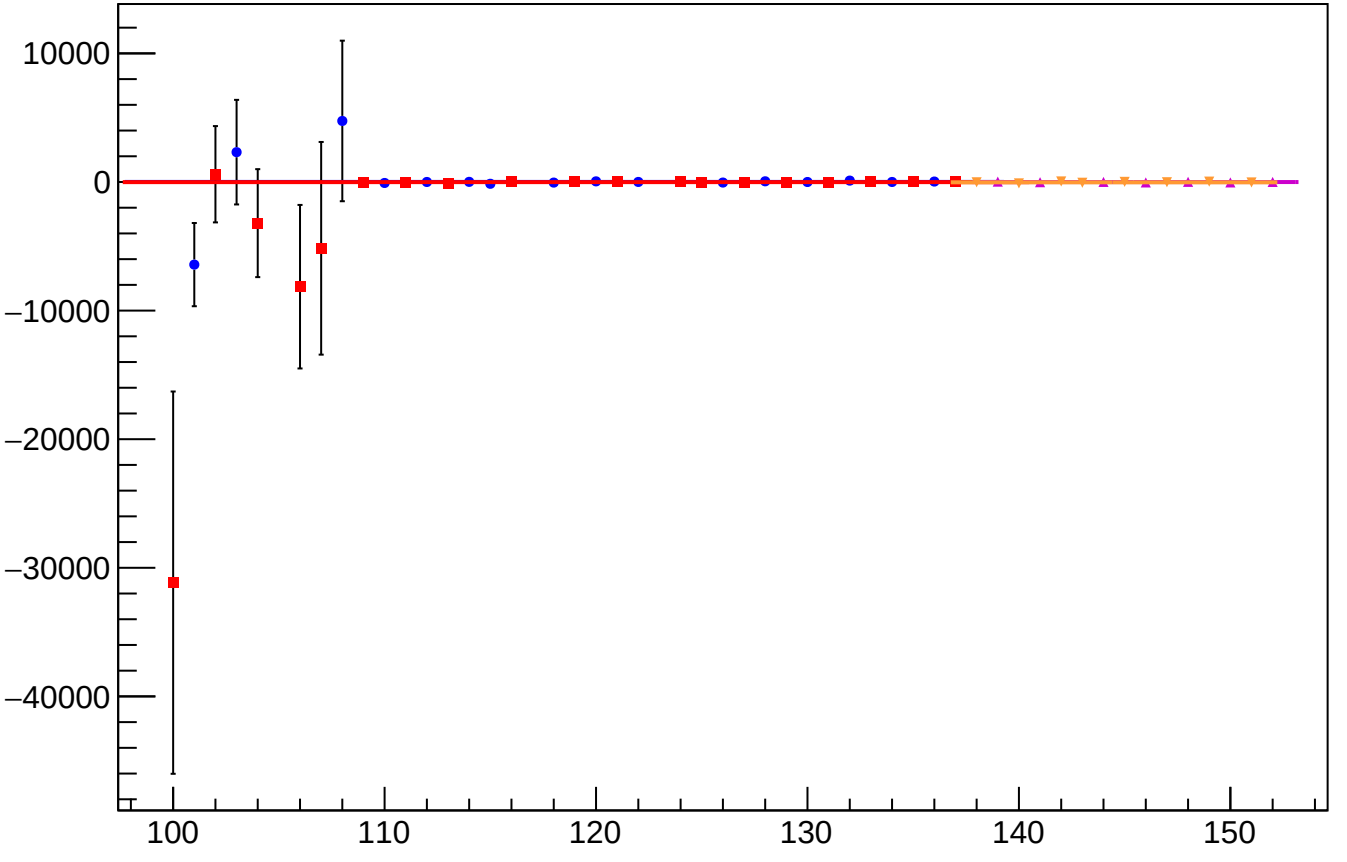
Left In: 224.455+/-0.068 χ^2/NDF:519957.2/6

+ sign 219.099+/-0.047 χ^2/NDF: 4810351.1/23

All: 205.781+/-0.032 χ^2/NDF: 10051937.5/49

- sign 194.688+/-0.043 χ^2/NDF: 5096588.8/25

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -25.254+/-14.040 χ^2/NDF:9.8/7

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

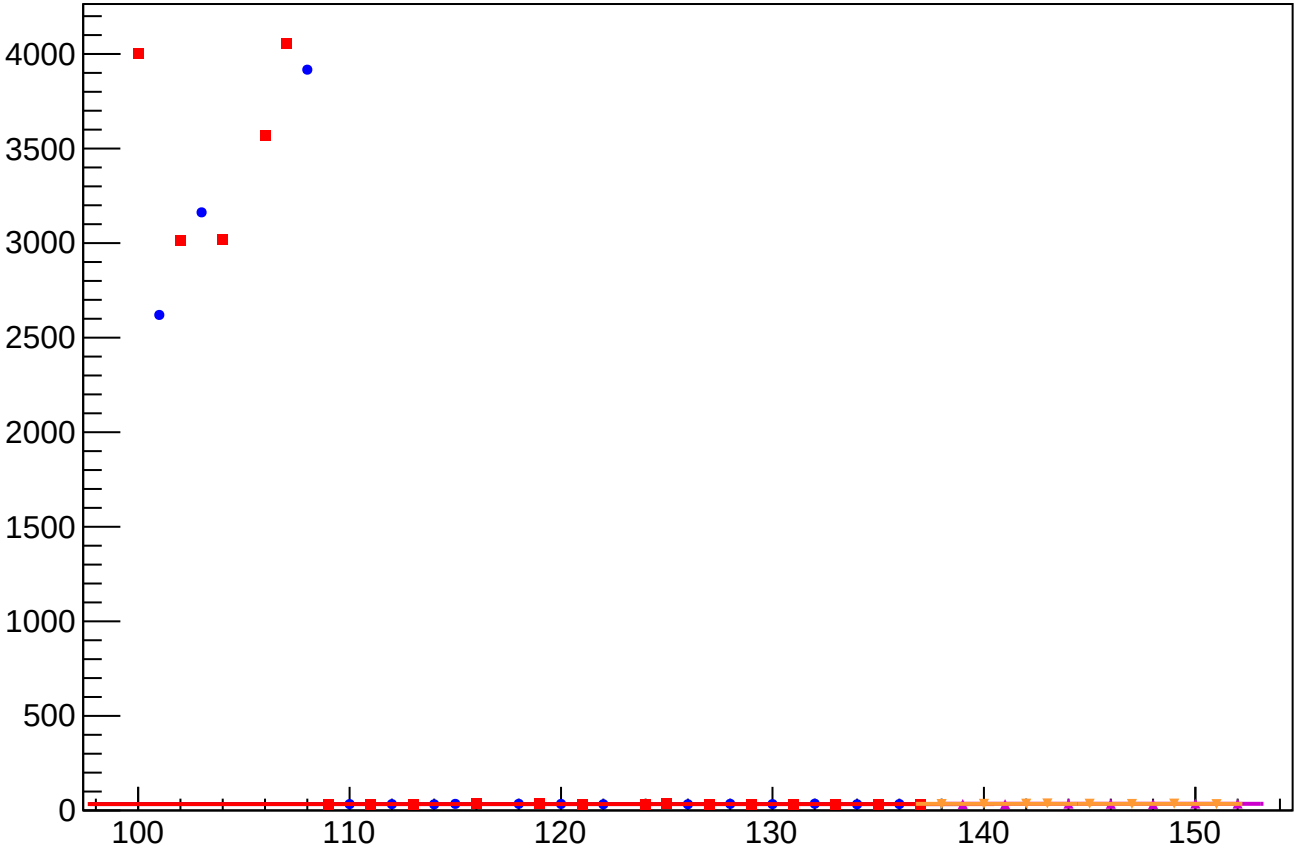
Left In: -3.772+/-14.200 χ^2/NDF:2.5/6

+ sign -10.087+/-10.020 χ^2/NDF: 29.6/23

All: -8.478+/-7.121 χ^2/NDF: 55.6/49

- sign -6.837+/-10.122 χ^2/NDF: 26.0/25

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.875+/-0.010 χ^2/NDF:13019.8/7

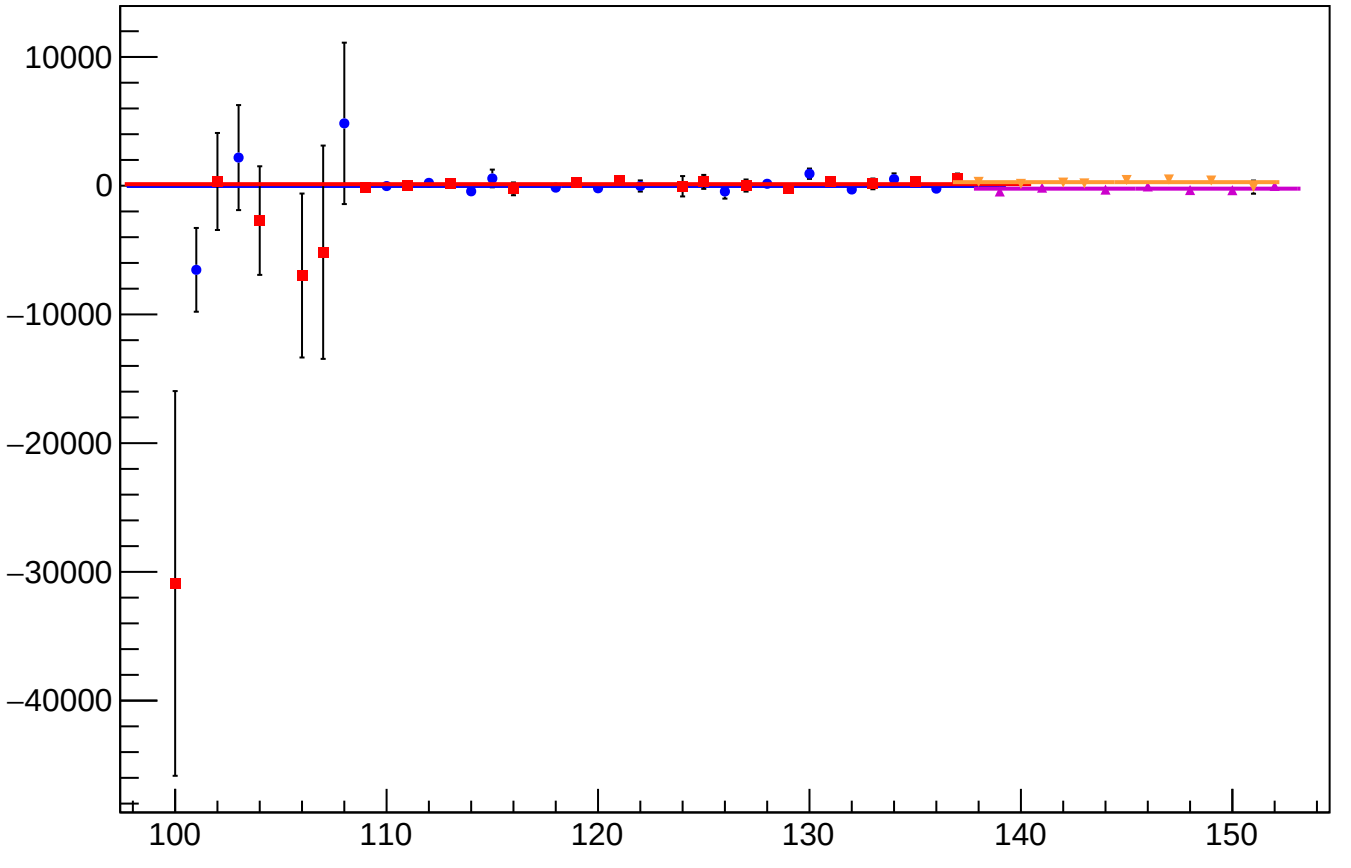
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 35.103+/-0.010 χ^2/NDF:14221.4/6

+ sign 34.396+/-0.007 χ^2/NDF: 3262137.7/23

All: 34.411+/-0.005 χ^2/NDF: 6812082.8/49

- sign 34.426+/-0.007 χ^2/NDF: 3549936.5/25



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 275.284+/-106.918 χ^2/NDF:1.8/7

Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

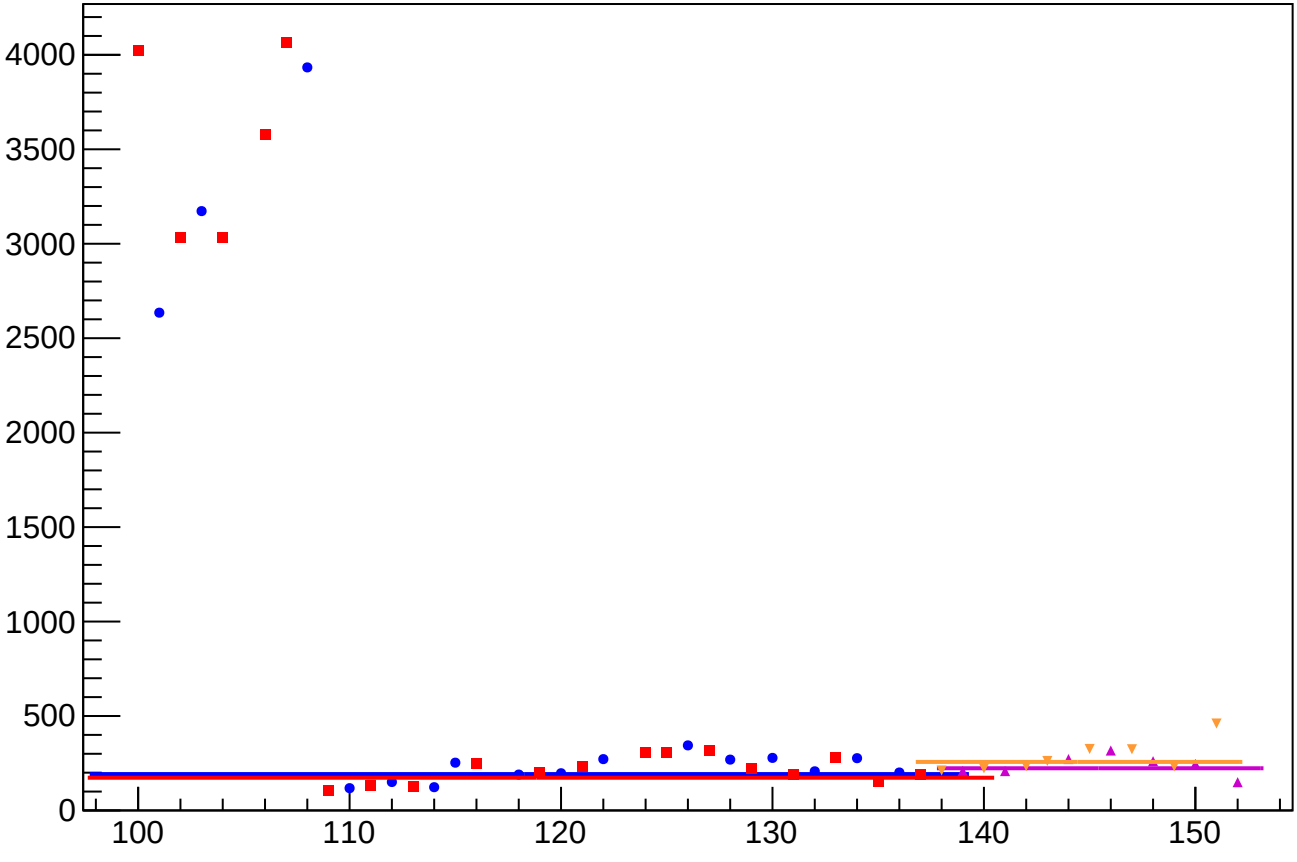
Left In: -229.828+/-96.071 χ^2/NDF:2.7/6

+ sign 94.750+/-66.566 χ^2/NDF: 24.6/23

All: 32.156+/-44.879 χ^2/NDF: 50.2/49

- sign -20.007+/-60.767 χ^2/NDF: 23.9/25

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 256.976+/-0.076 χ^2/NDF:591333.7/7

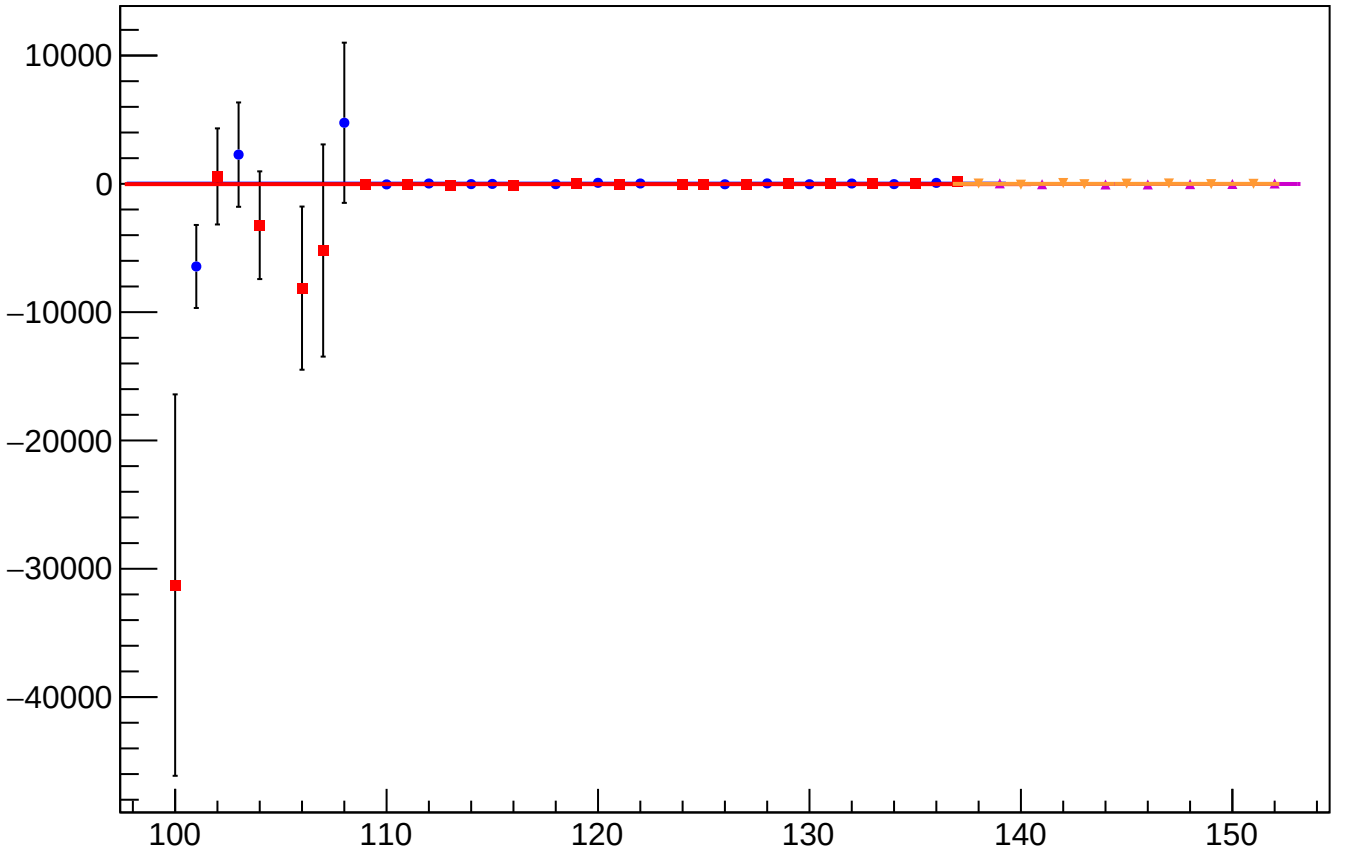
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 223.313+/-0.068 χ^2/NDF:518088.5/6

+ sign 217.529+/-0.047 χ^2/NDF: 4858689.2/23

All: 204.302+/-0.032 χ^2/NDF: 10154806.1/49

- sign 193.279+/-0.043 χ^2/NDF: 5151337.8/25



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -3.050+/-12.951 χ^2/NDF:7.8/7

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

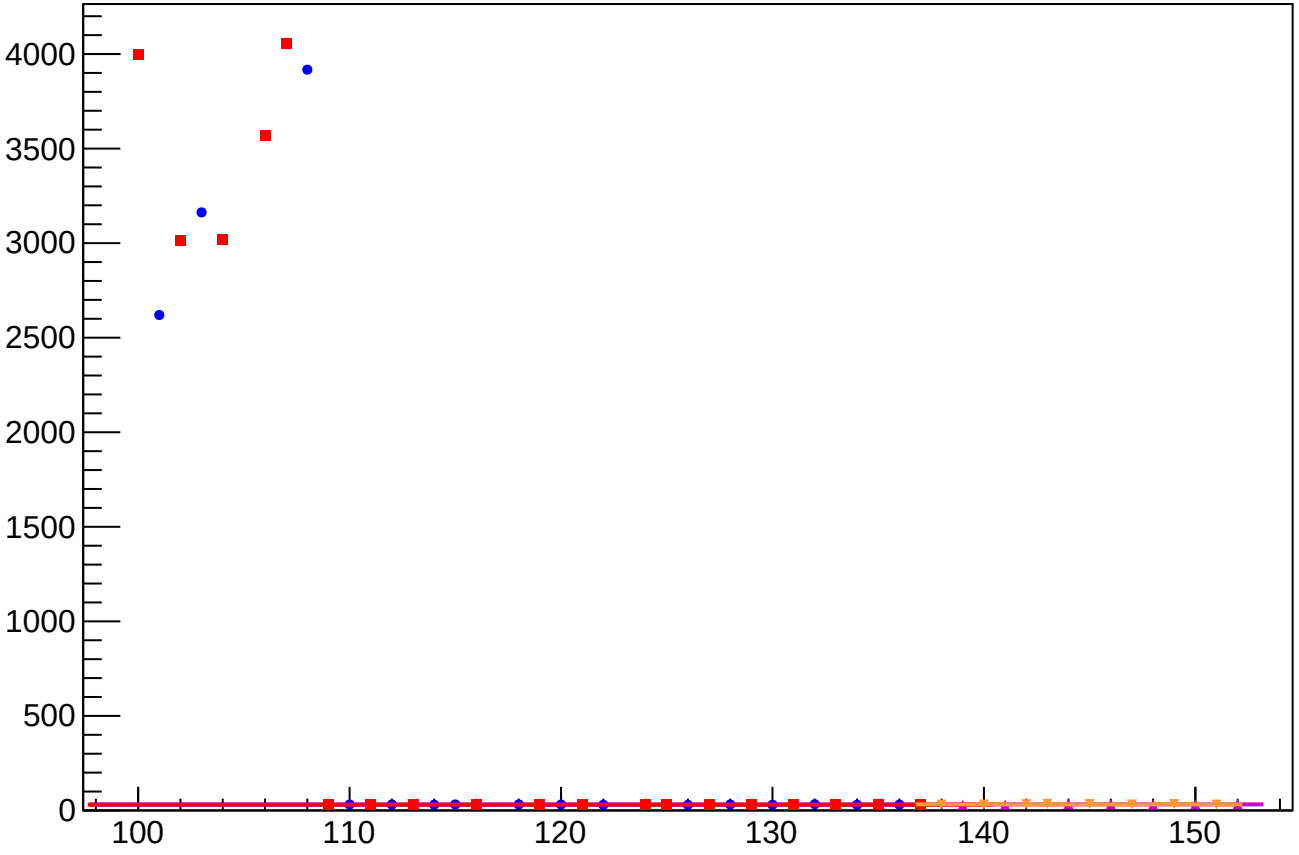
Left In: -11.151+/-13.035 χ^2/NDF:5.8/6

+ sign 5.260+/-9.197 χ^2/NDF: 24.1/23

All: -5.845+/-6.528 χ^2/NDF: 62.0/49

- sign -17.123+/-9.268 χ^2/NDF: 35.0/25

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: 32.127+/-0.009 χ^2/NDF:24971.7/7

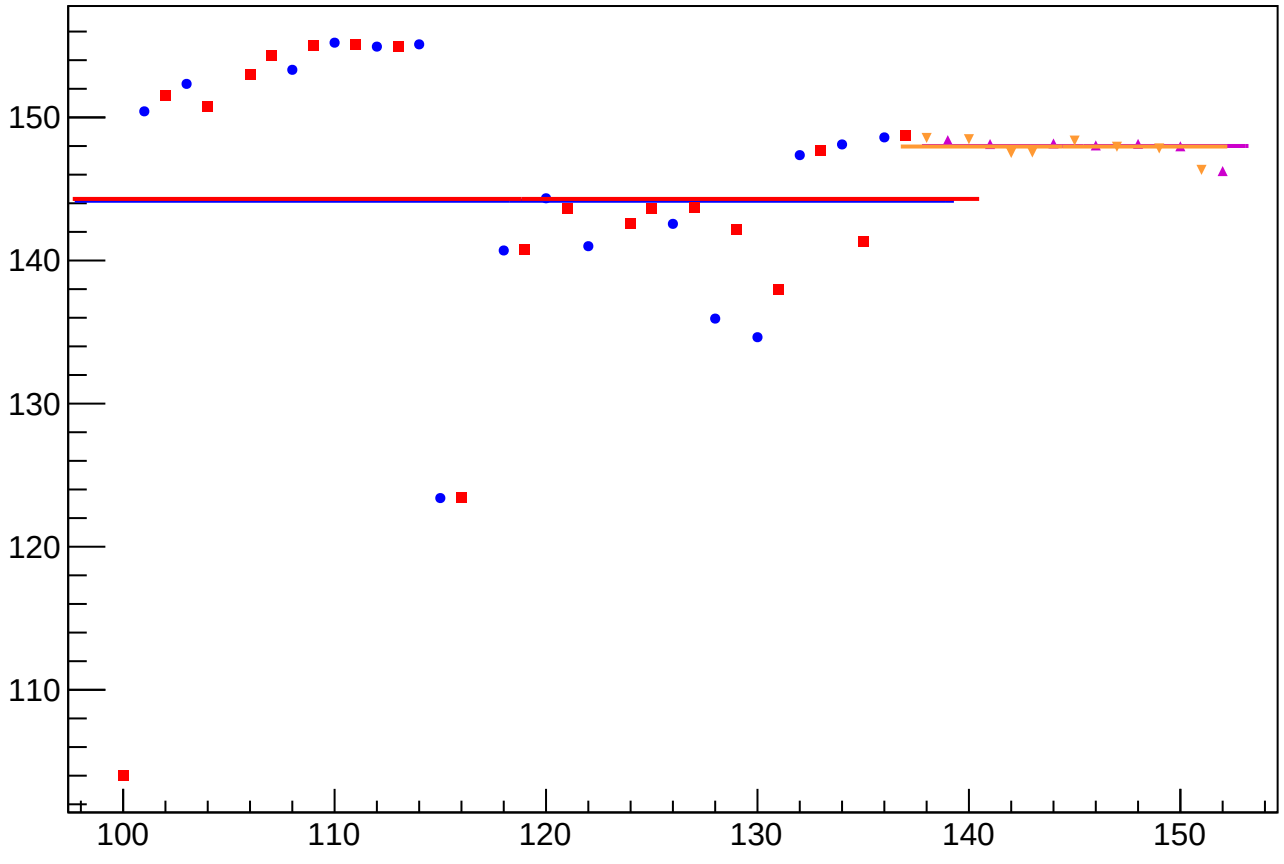
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 32.158+/-0.009 χ^2/NDF:28224.9/6

+ sign 31.533+/-0.007 χ^2/NDF: 3286075.2/23

All: 31.504+/-0.005 χ^2/NDF: 6861667.6/49

- sign 31.475+/-0.007 χ^2/NDF: 3575553.0/25



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.965+/-0.000 χ^2/NDF:18288178.3/7

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

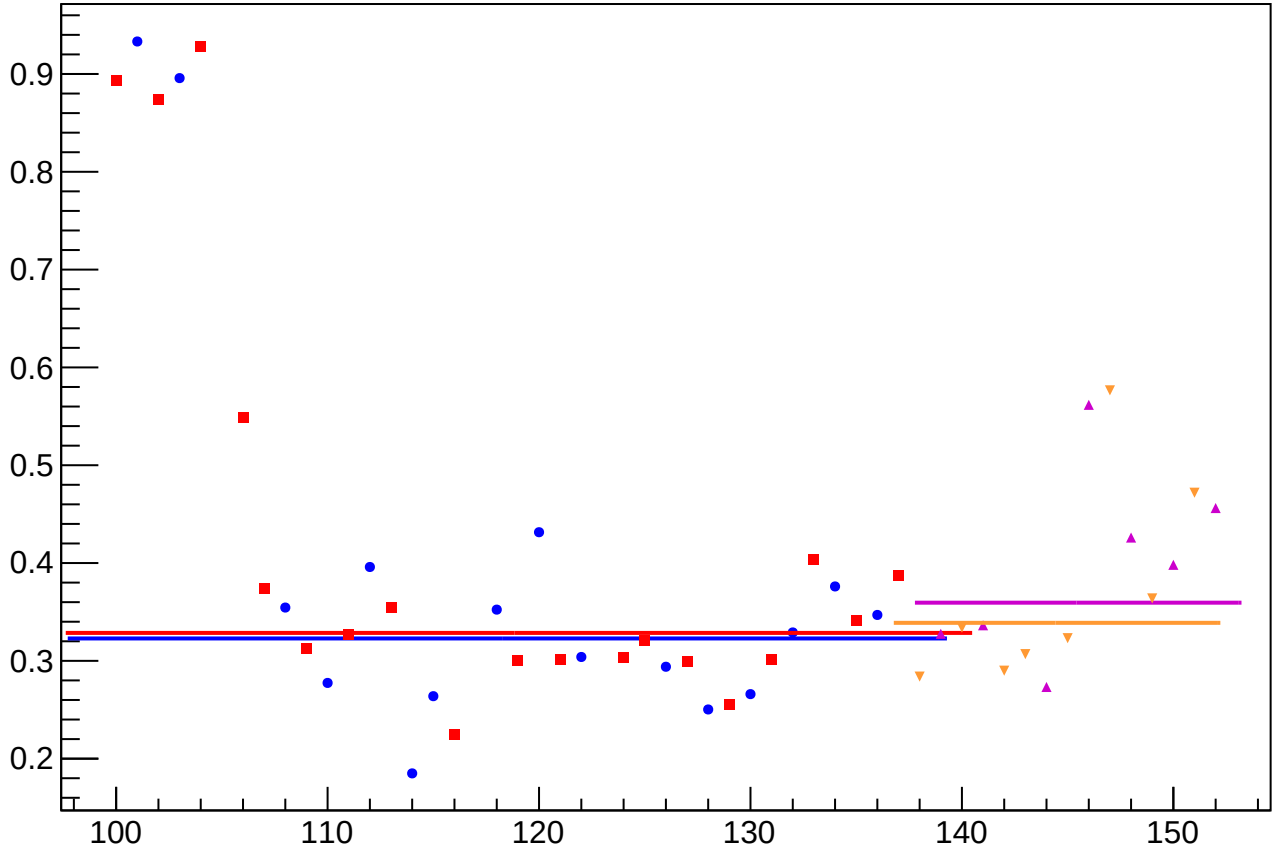
Left In: 148.004+/-0.000 χ^2/NDF:13738070.0/6

+ sign 145.927+/-0.000 χ^2/NDF: 4121722736.4/23

All: 145.917+/-0.000 χ^2/NDF: 8734286319.8

- sign 145.905+/-0.000 χ^2/NDF: 4612537918.2/25

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.339+/-0.000 χ^2/NDF:493448.5/7

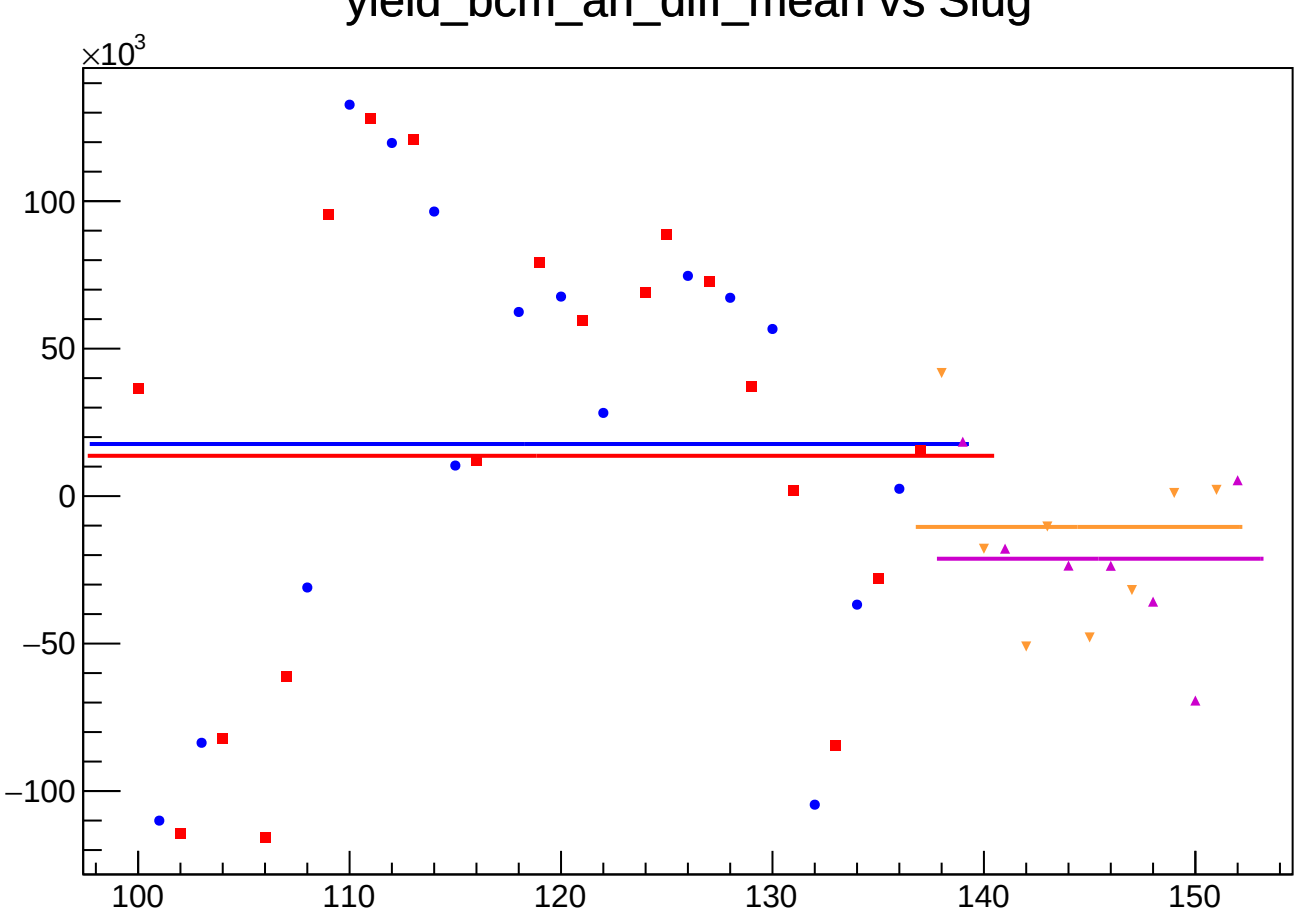
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.359+/-0.000 χ^2/NDF:540865.6/6

+ sign 0.330+/-0.000 χ^2/NDF: 1902947.0/23

All: 0.336+/-0.000 χ^2/NDF: 3808608.8/49

- sign 0.342+/-0.000 χ^2/NDF: 1891686.4/25



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -10447.498+/-2.047 χ^2/NDF:192009994.5/7

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

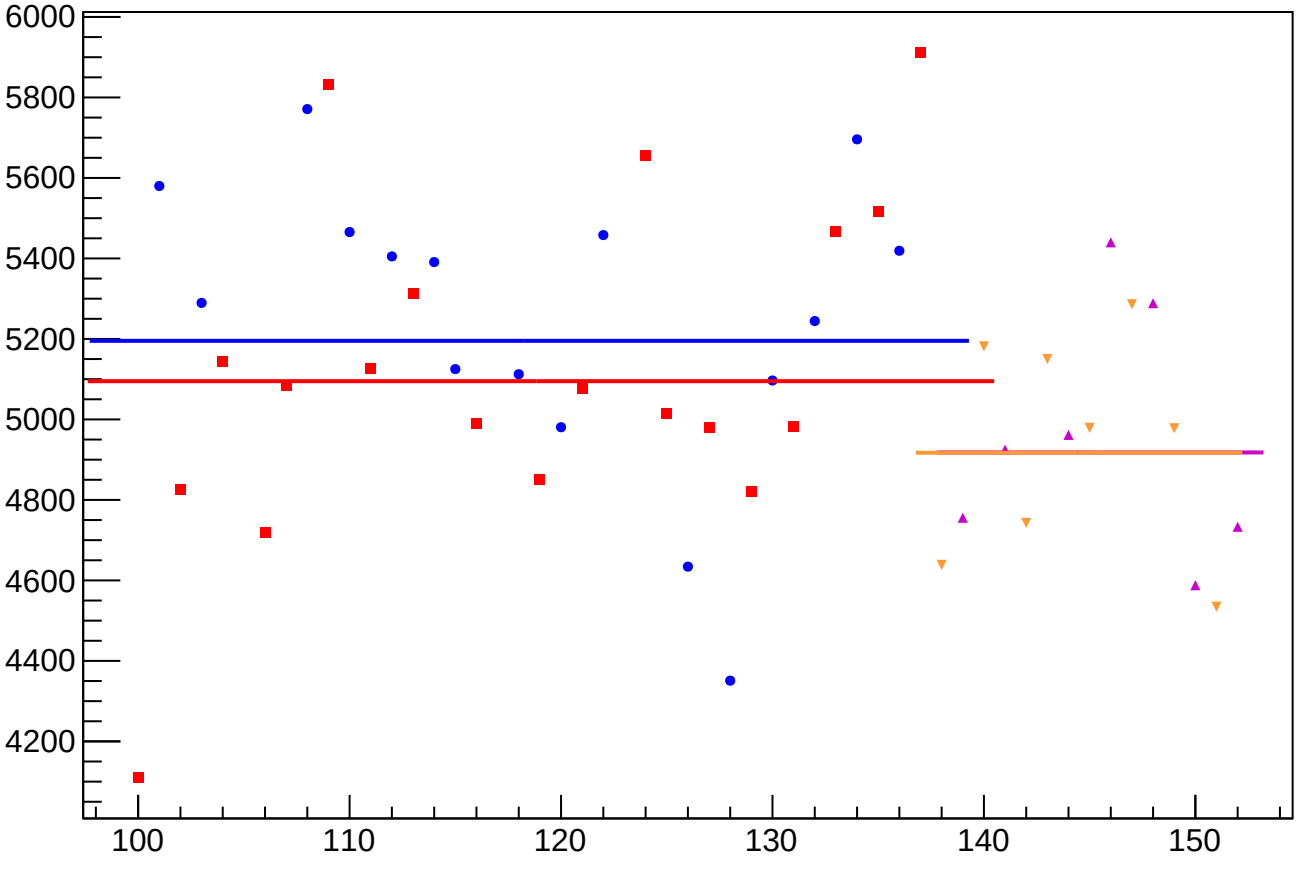
Left In: -21231.733+/-2.061 χ^2/NDF:183405452.7/6

+ sign 3896.209+/-1.433 χ^2/NDF: 1686972405.5/23

All: 594.654+/-1.004 χ^2/NDF: 3890878796.6

- sign -2589.552+/-1.407 χ^2/NDF: 2193472590.2/25

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4917.193+/-1.447 χ^2/NDF:33073.8/7

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

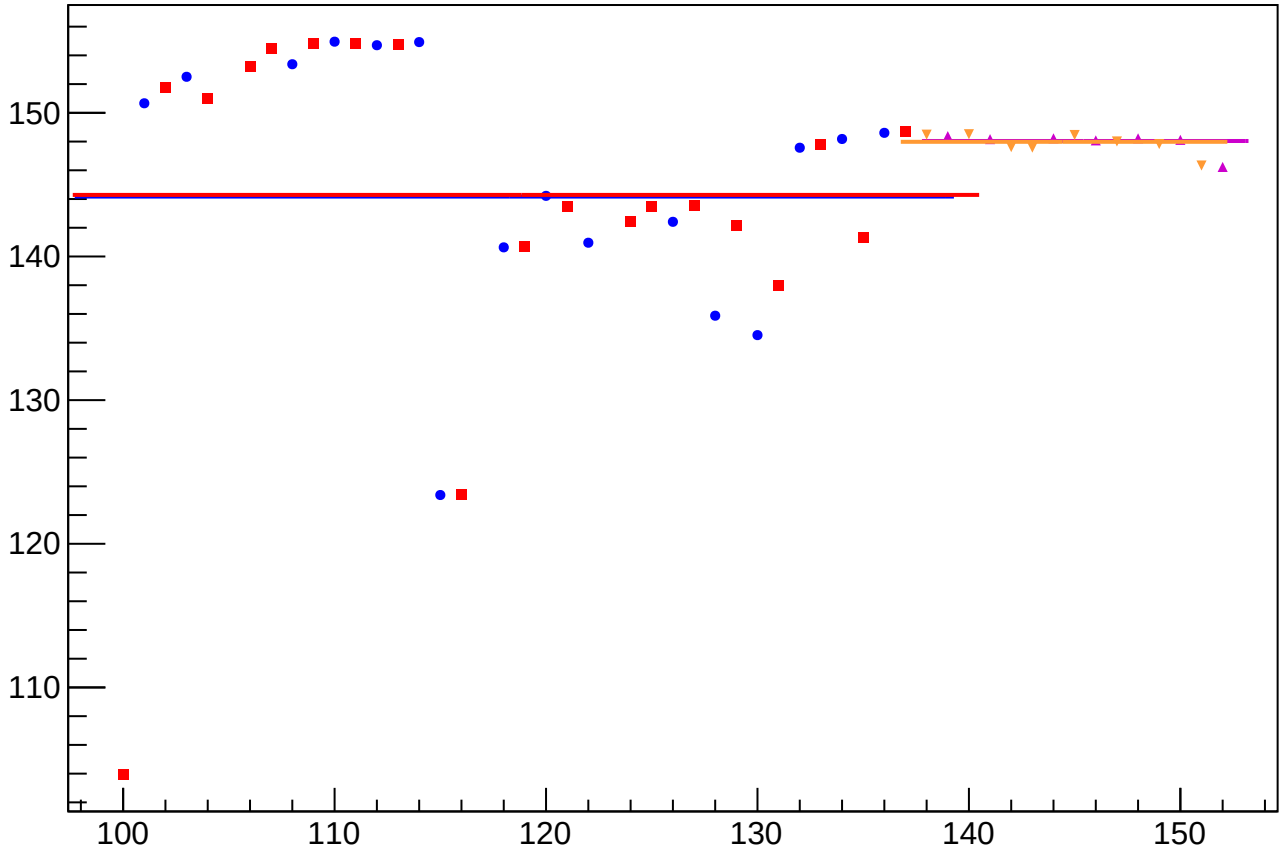
Left In: 4917.958+/-1.458 χ^2/NDF:35836.7/6

+ sign 5059.096+/-1.013 χ^2/NDF: 129074.9/23

All: 5035.406+/-0.710 χ^2/NDF: 232982.9/49

- sign 5012.558+/-0.995 χ^2/NDF: 102833.6/25

yield_bcm_an_ds_mean vs Slug



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.983+/-0.000 χ^2/NDF:17755765.7/7

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

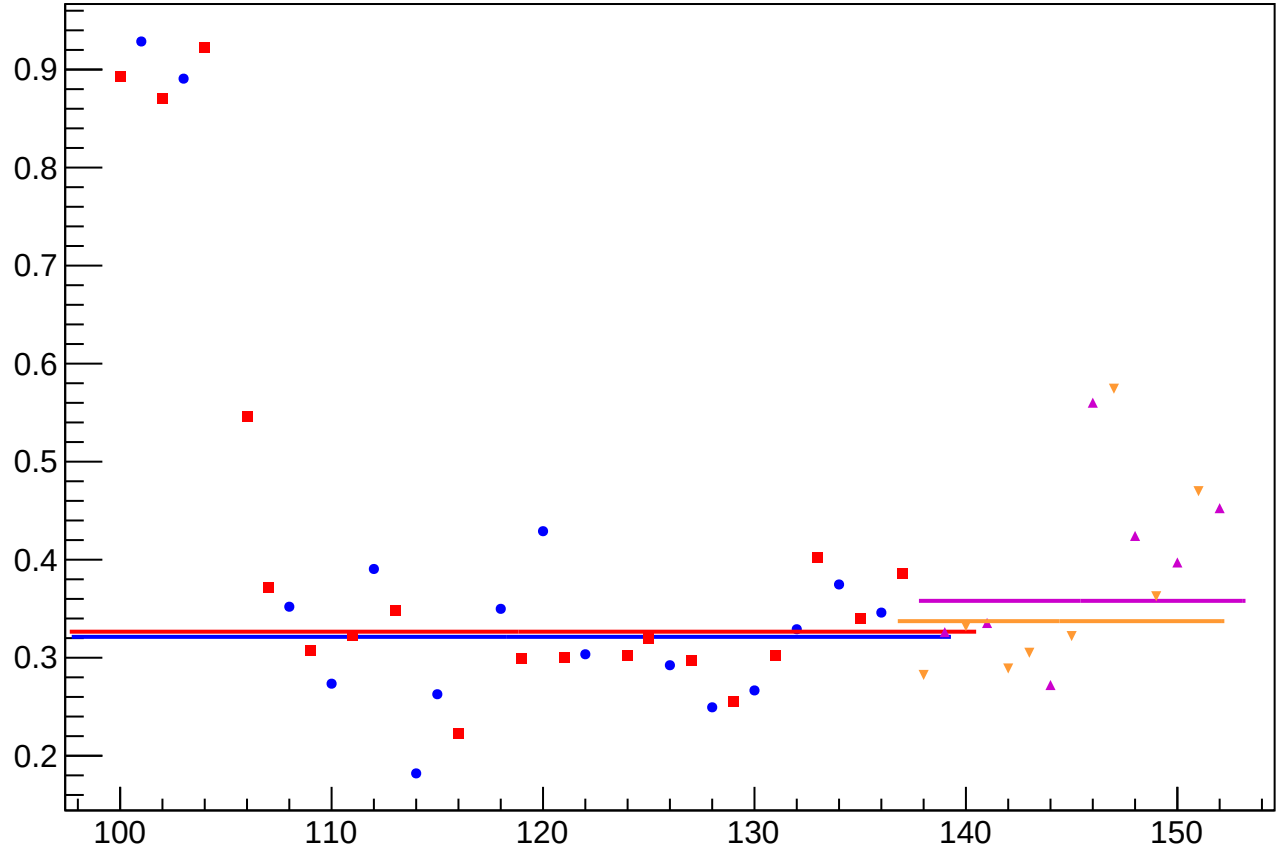
Left In: 148.040+/-0.000 χ^2/NDF:14417647.1/6

+ sign 145.932+/-0.000 χ^2/NDF: 4169362578.5/23

All: 145.920+/-0.000 χ^2/NDF: 8821528660.9

- sign 145.907+/-0.000 χ^2/NDF: 4652132106.2/25

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.337+/-0.000 χ^2/NDF:494922.5/7

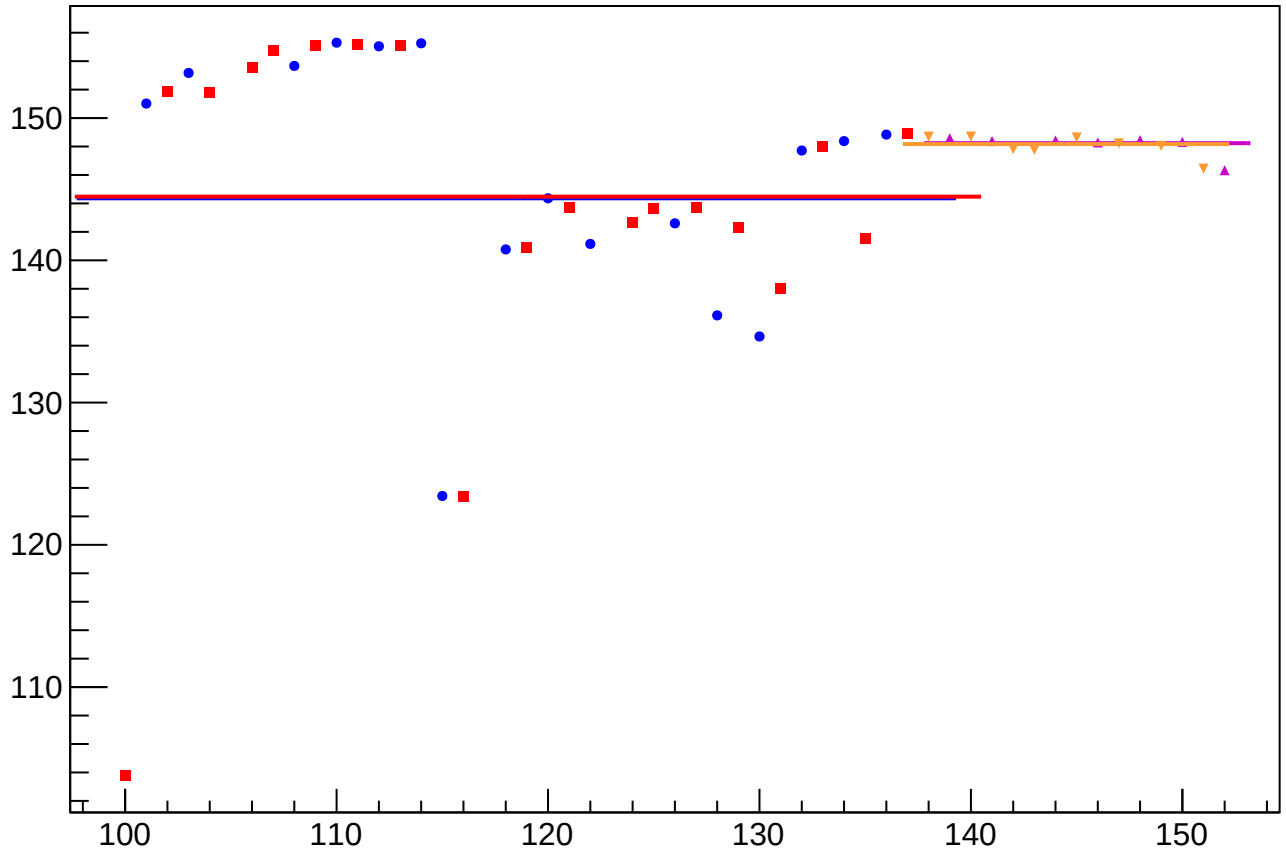
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.358+/-0.000 χ^2/NDF:539974.9/6

+ sign 0.329+/-0.000 χ^2/NDF: 1904827.5/23

All: 0.334+/-0.000 χ^2/NDF: 3809969.1/49

- sign 0.340+/-0.000 χ^2/NDF: 1891536.7/25



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.173+/-0.000 χ^2/NDF:18552086.8/7

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

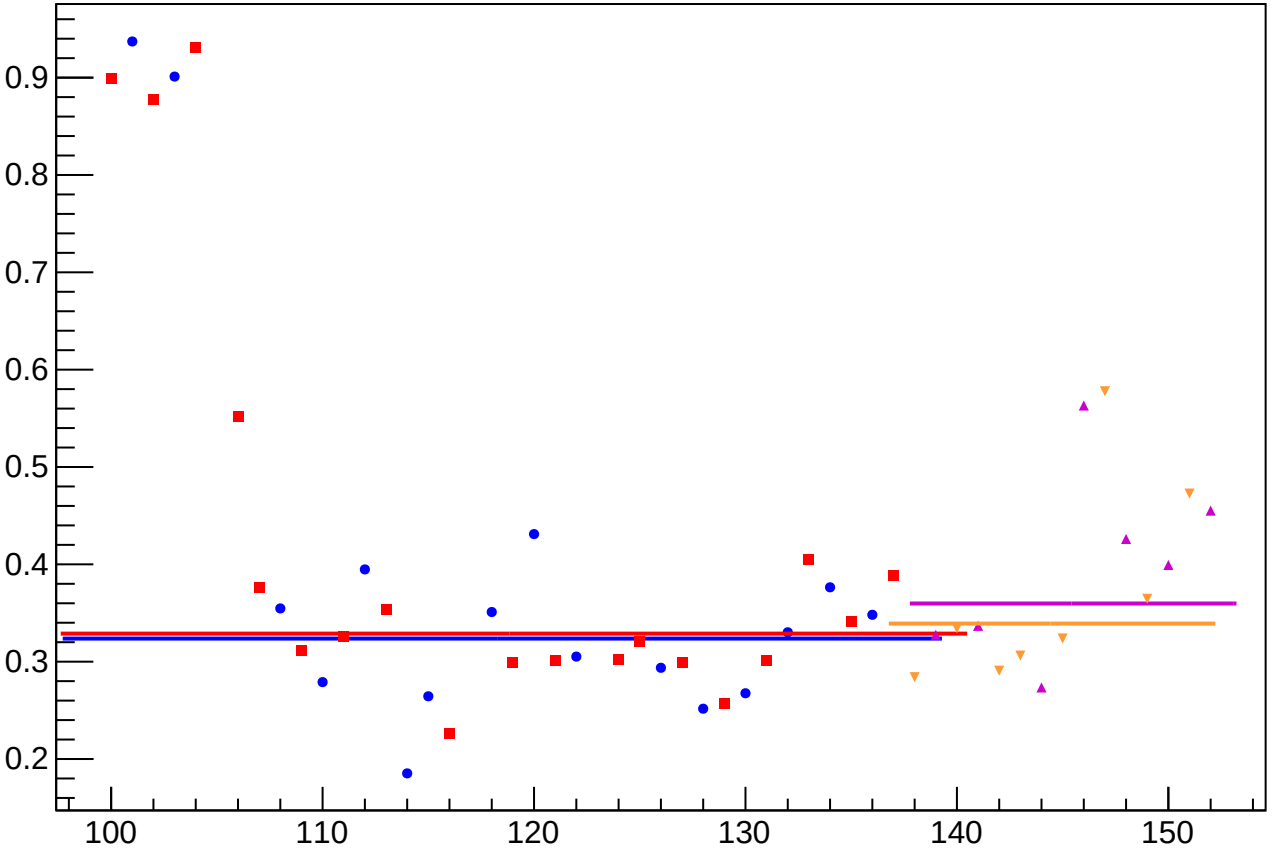
Left In: 148.236+/-0.000 χ^2/NDF:15738719.0/6

+ sign 146.125+/-0.000 χ^2/NDF: 4159354624.3/23

All: 146.114+/-0.000 χ^2/NDF: 8802010709.3

- sign 146.102+/-0.000 χ^2/NDF: 4642627212.0/25

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.339+/-0.000 χ^2/NDF:495584.2/7

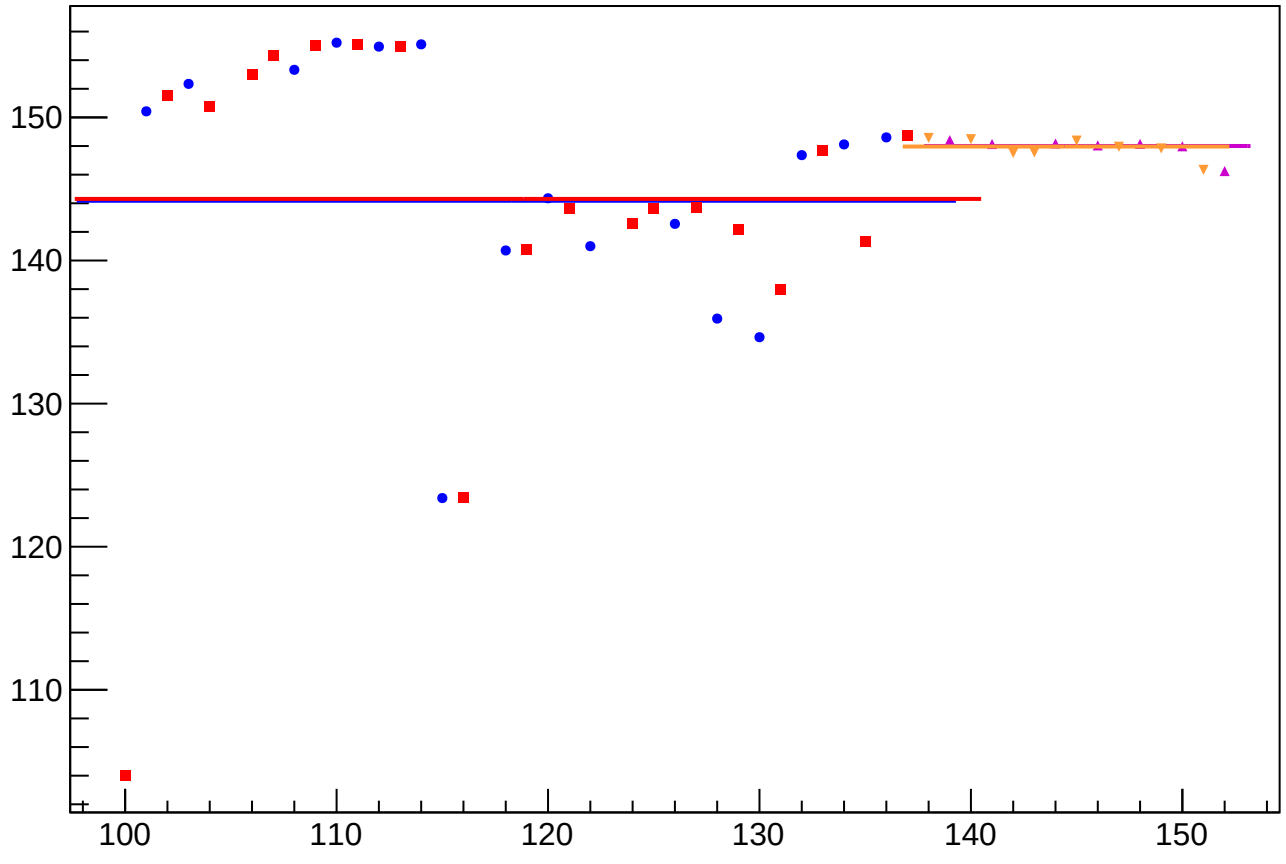
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.360+/-0.000 χ^2/NDF:540666.3/6

+ sign 0.331+/-0.000 χ^2/NDF: 1900460.0/23

All: 0.336+/-0.000 χ^2/NDF: 3804226.6/49

- sign 0.342+/-0.000 χ^2/NDF: 1890559.5/25



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.965+/-0.000 χ^2/NDF:18288178.3/7

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

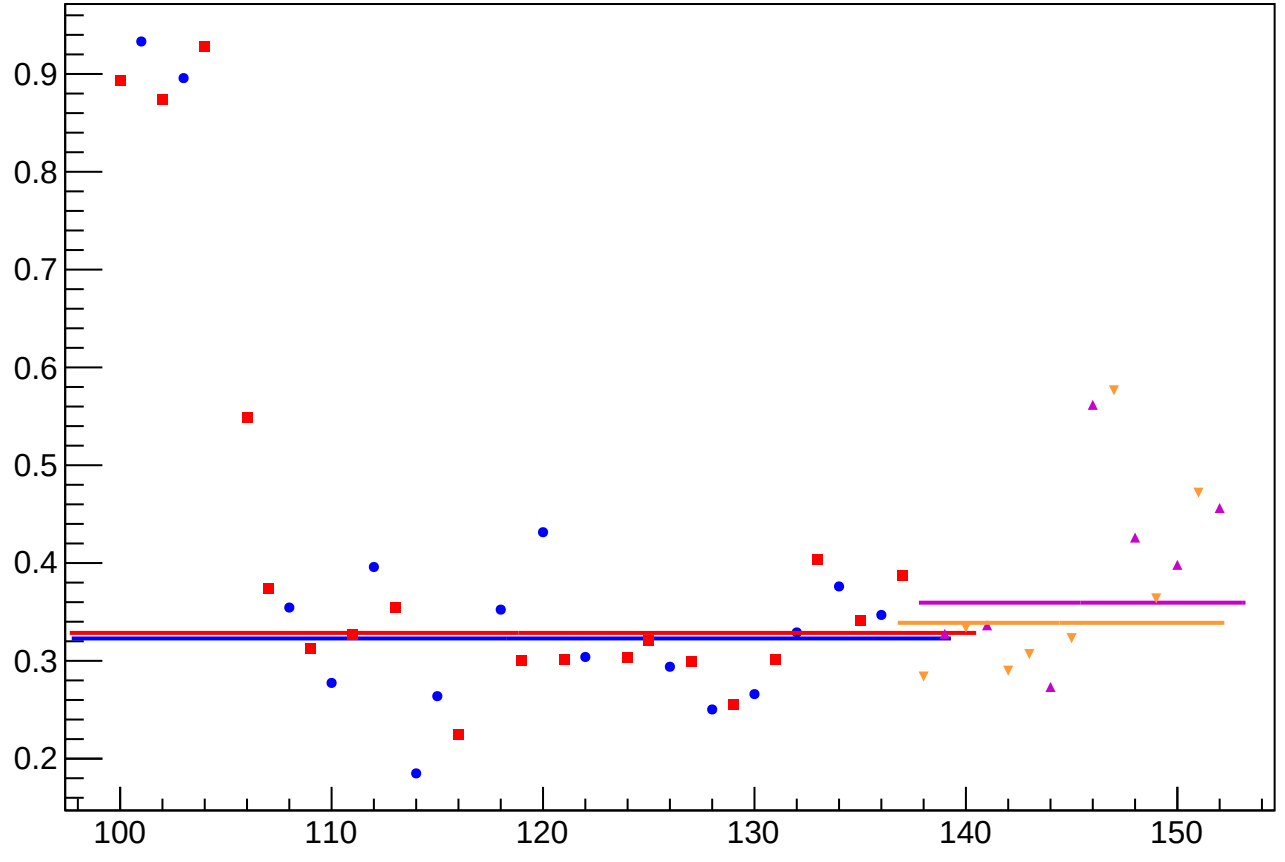
Left In: 148.004+/-0.000 χ^2/NDF:13738070.0/6

+ sign 145.927+/-0.000 χ^2/NDF: 4121722736.4/23

All: 145.917+/-0.000 χ^2/NDF: 8734286319.8

- sign 145.905+/-0.000 χ^2/NDF: 4612537918.2/25

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.339+/-0.000 χ^2/NDF:493448.5/7

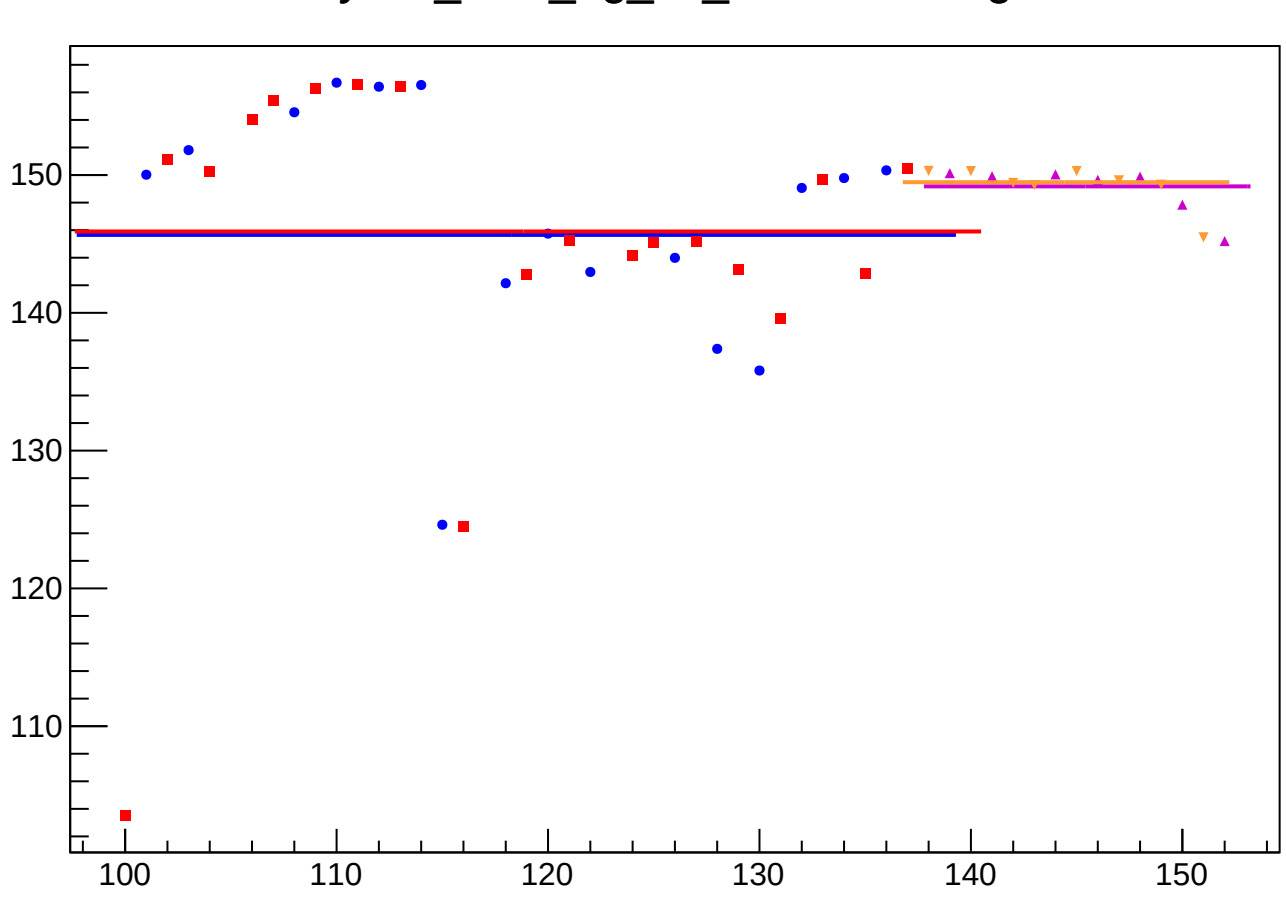
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.359+/-0.000 χ^2/NDF:540865.6/6

+ sign 0.330+/-0.000 χ^2/NDF: 1902947.0/23

All: 0.336+/-0.000 χ^2/NDF: 3808608.8/49

- sign 0.342+/-0.000 χ^2/NDF: 1891686.4/25



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.481+/-0.000 χ^2/NDF:70208291.2/7

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

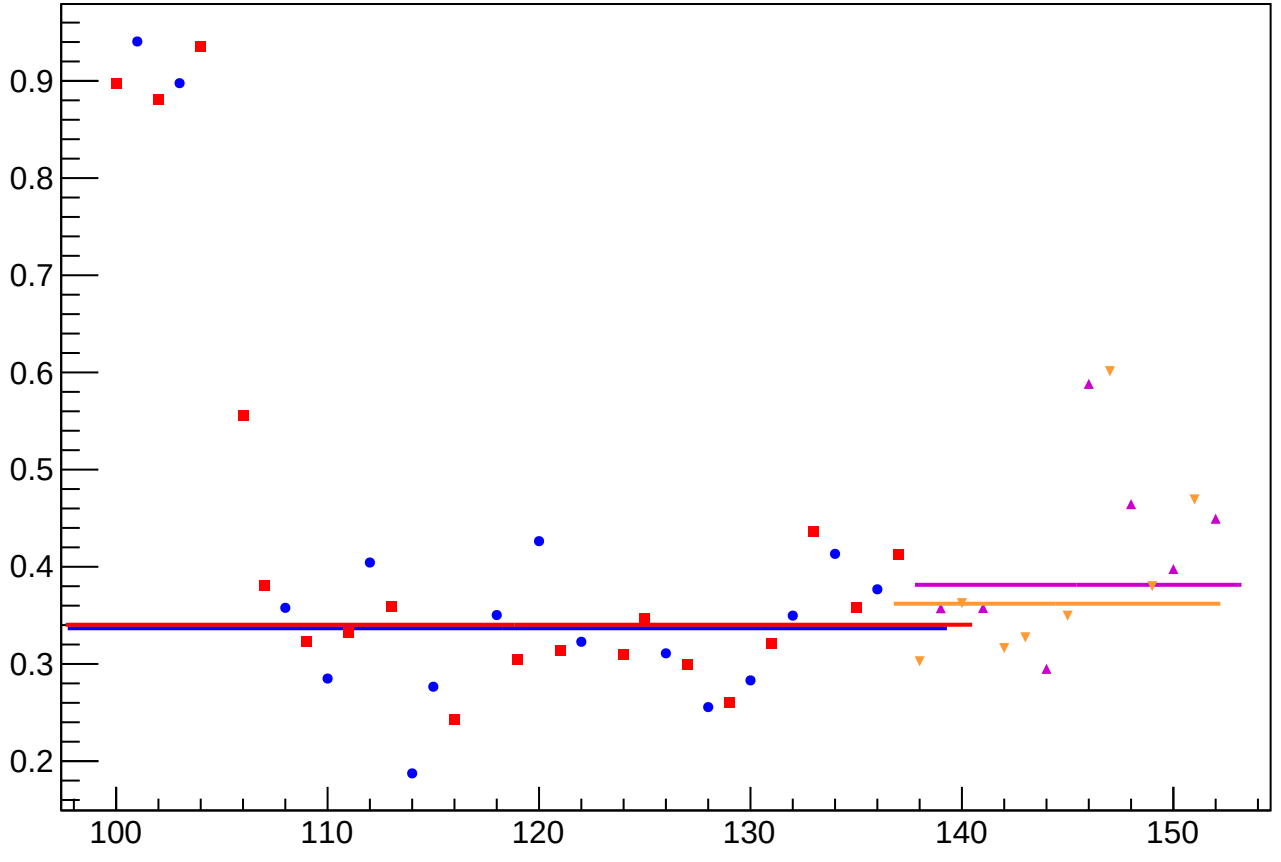
Left In: 149.178+/-0.000 χ^2/NDF:91928690.5/6

+ sign 147.378+/-0.000 χ^2/NDF: 3896903269.6/23

All: 147.334+/-0.000 χ^2/NDF: 8090274214.6

- sign 147.288+/-0.000 χ^2/NDF: 4192992346.4/25

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.362+/-0.000 χ^2/NDF:420783.1/7

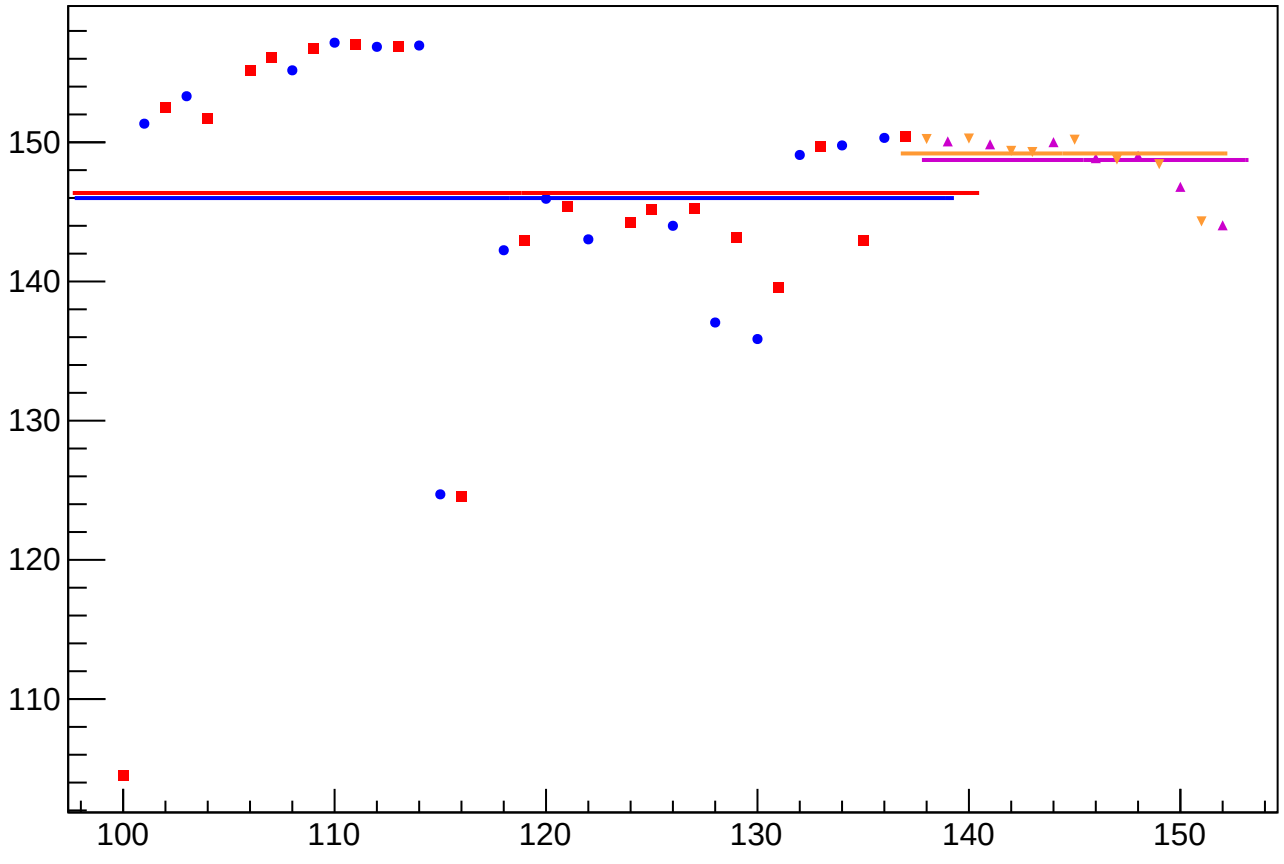
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.381+/-0.000 χ^2/NDF:459748.4/6

+ sign 0.348+/-0.000 χ^2/NDF: 1821411.2/23

All: 0.353+/-0.000 χ^2/NDF: 3639507.2/49

- sign 0.358+/-0.000 χ^2/NDF: 1809455.3/25



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 149.197+/-0.000 χ^2/NDF:109284525.2/7

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

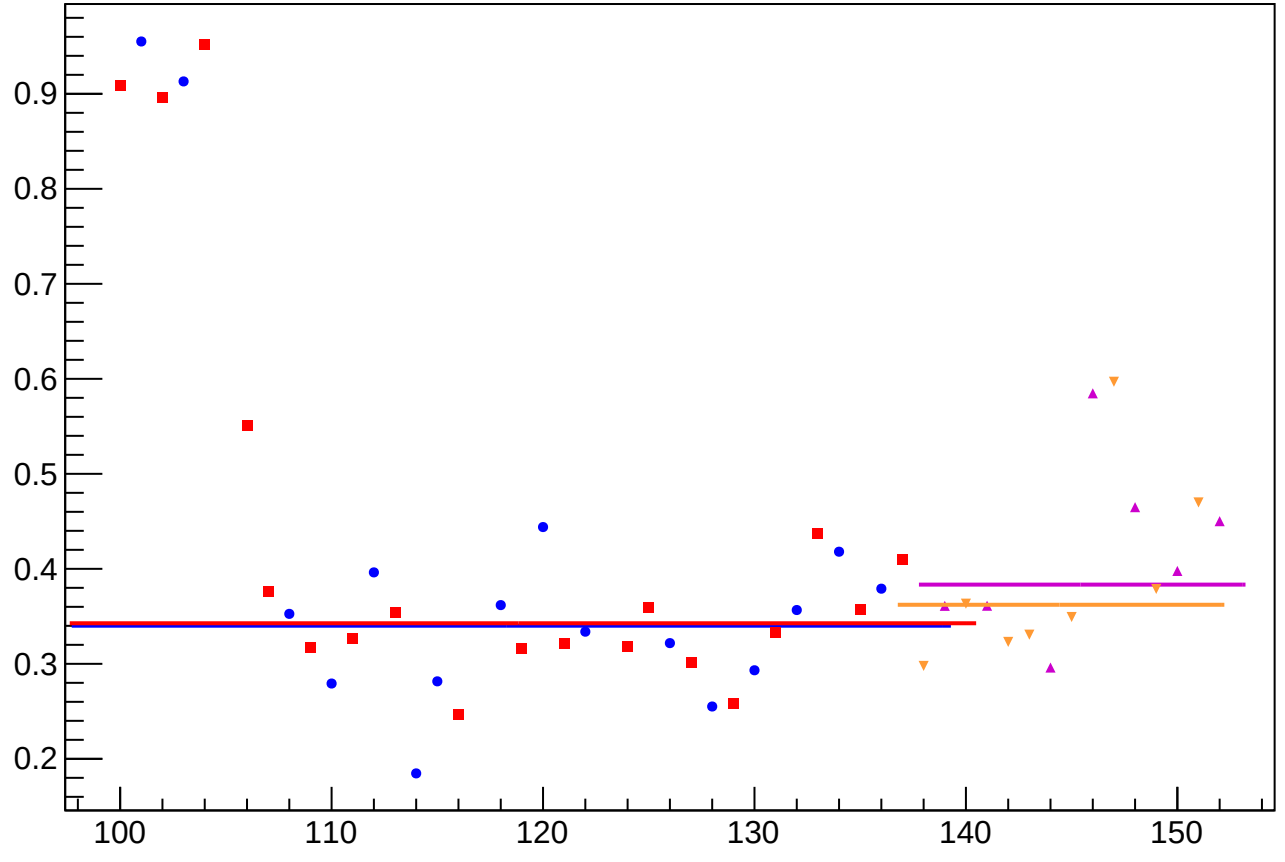
Left In: 148.729+/-0.000 χ^2/NDF:143916072.6/6

+ sign 147.450+/-0.000 χ^2/NDF: 3970176888.6/23

All: 147.407+/-0.000 χ^2/NDF: 8200719878.1

- sign 147.363+/-0.000 χ^2/NDF: 4230193341.5/25

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.362+/-0.000 χ^2/NDF:418165.7/7

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

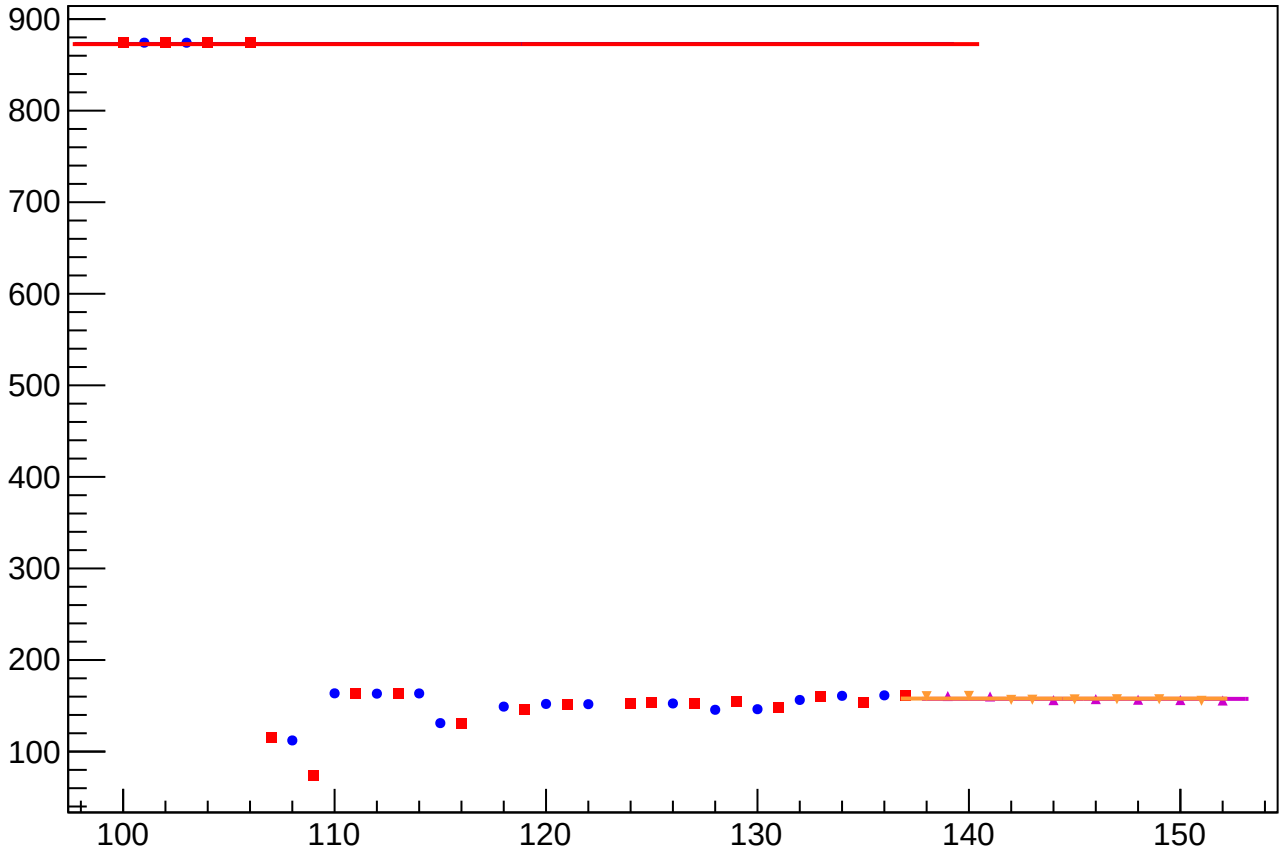
Left In: 0.383+/-0.000 χ^2/NDF:445410.7/6

+ sign 0.350+/-0.000 χ^2/NDF: 1833974.7/23

All: 0.355+/-0.000 χ^2/NDF: 3631447.8/49

- sign 0.360+/-0.000 χ^2/NDF: 1788686.6/25

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.896+/-0.000 χ^2/NDF:40402732.8/7

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

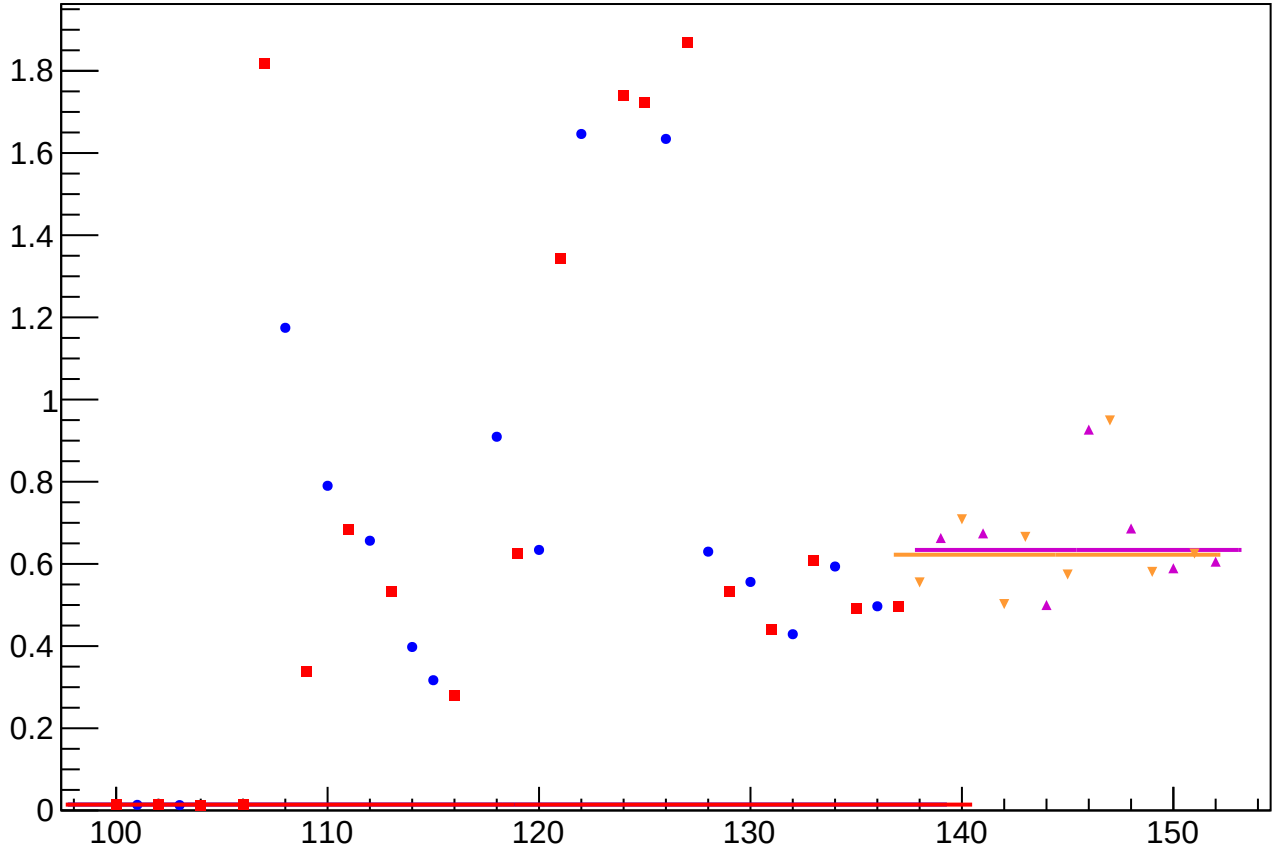
Left In: 157.559+/-0.000 χ^2/NDF:39079706.0/6

+ sign 871.785+/-0.000 χ^2/NDF: 12471528659006.

All: 871.791+/-0.000 χ^2/NDF: 26802677543

- sign 871.796+/-0.000 χ^2/NDF: 14331148437393.

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:211137.1/7

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

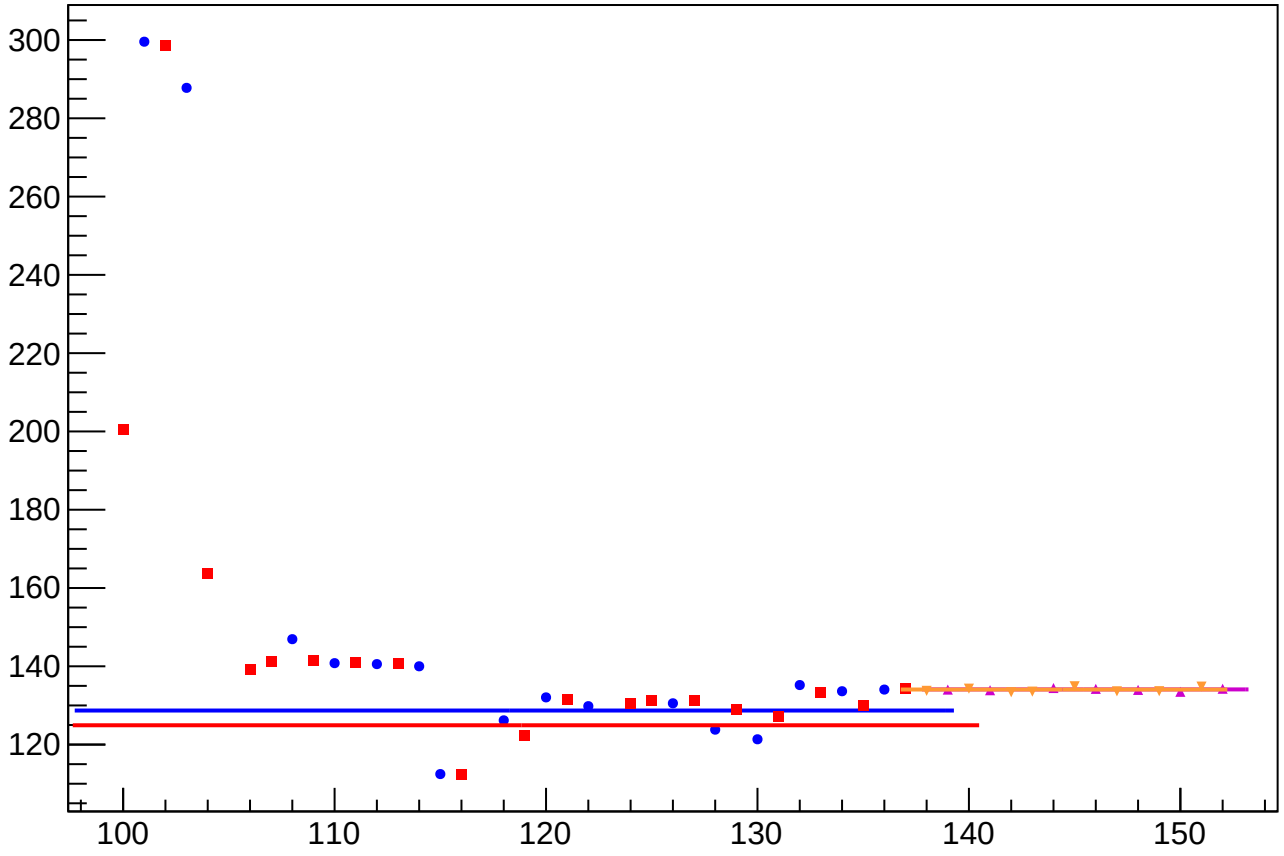
Left In: 0.634+/-0.000 χ^2/NDF:204203.2/6

+ sign 0.015+/-0.000 χ^2/NDF: 17471427.2/23

All: 0.015+/-0.000 χ^2/NDF: 34843809.9/49

- sign 0.015+/-0.000 χ^2/NDF: 17371865.6/25

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.068+/-0.000 χ^2/NDF:8801748.5/7

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

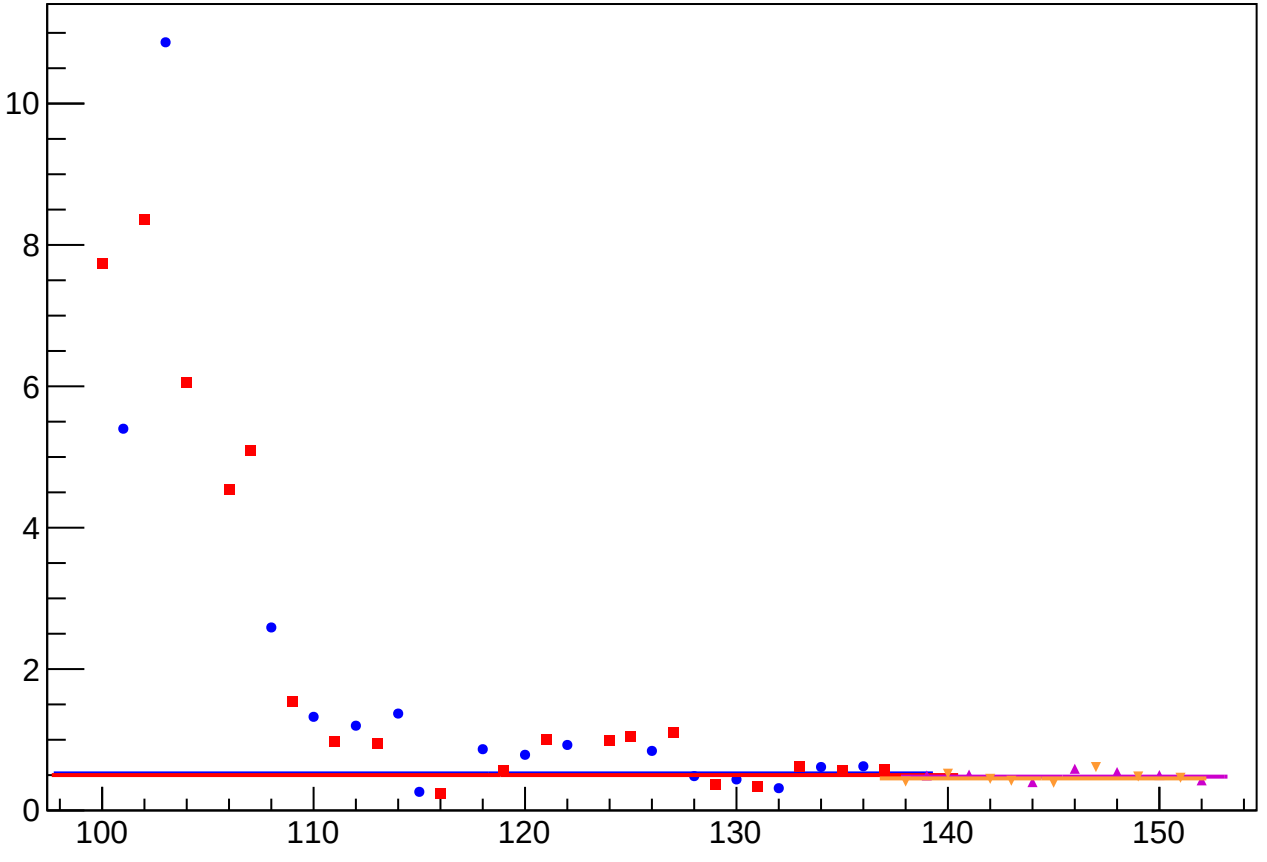
Left In: 134.094+/-0.000 χ^2/NDF:2191766.5/6

+ sign 132.156+/-0.000 χ^2/NDF: 1912871546.0/23

All: 131.354+/-0.000 χ^2/NDF: 4079433022.3

- sign 130.515+/-0.000 χ^2/NDF: 2117188253.3/25

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.453+/-0.000 χ^2/NDF:180849.2/7

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

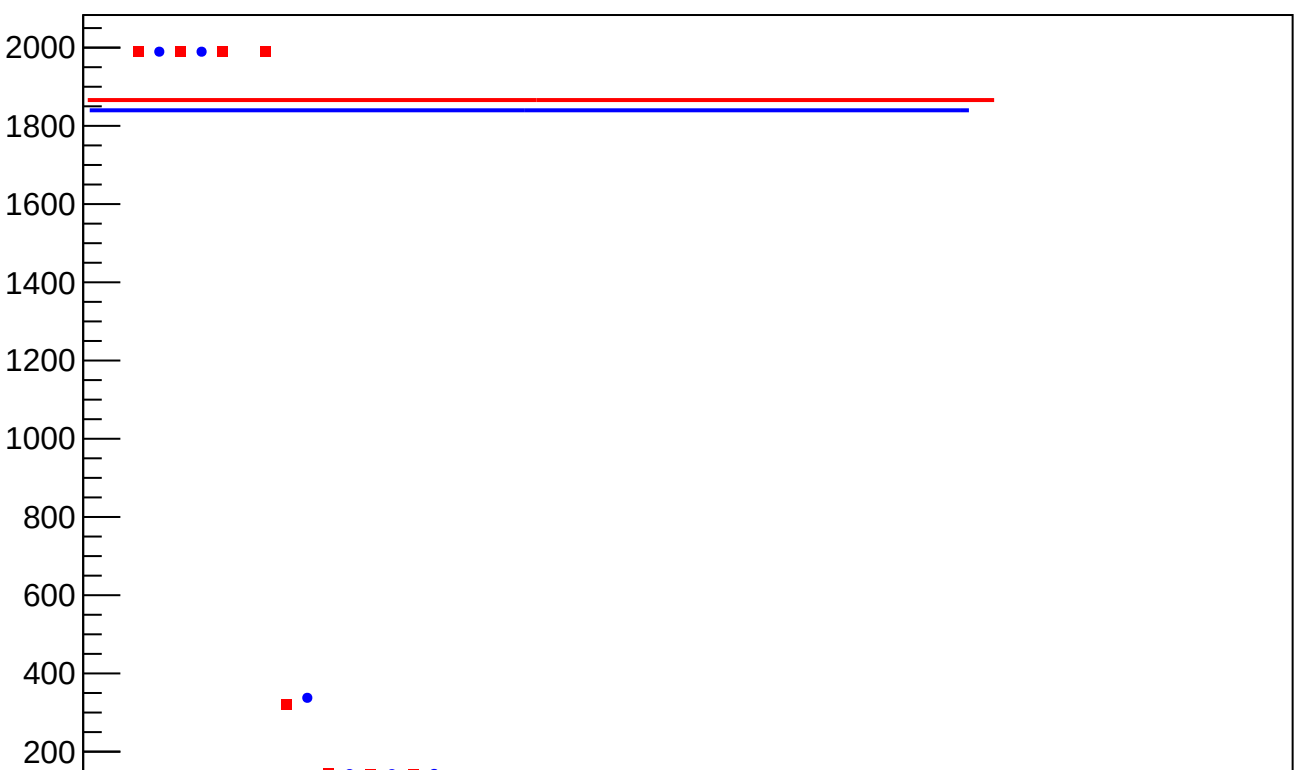
Left In: 0.478+/-0.000 χ^2/NDF:172763.5/6

+ sign 0.479+/-0.000 χ^2/NDF: 4405061.3/23

All: 0.483+/-0.000 χ^2/NDF: 9472960.9/49

- sign 0.487+/-0.000 χ^2/NDF: 5065280.6/25

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.223+/-0.000 χ^2/NDF:14936468.2/7

Right Out: 1865.968+/-0.000 χ^2/NDF: 1427691222760 45.8/18

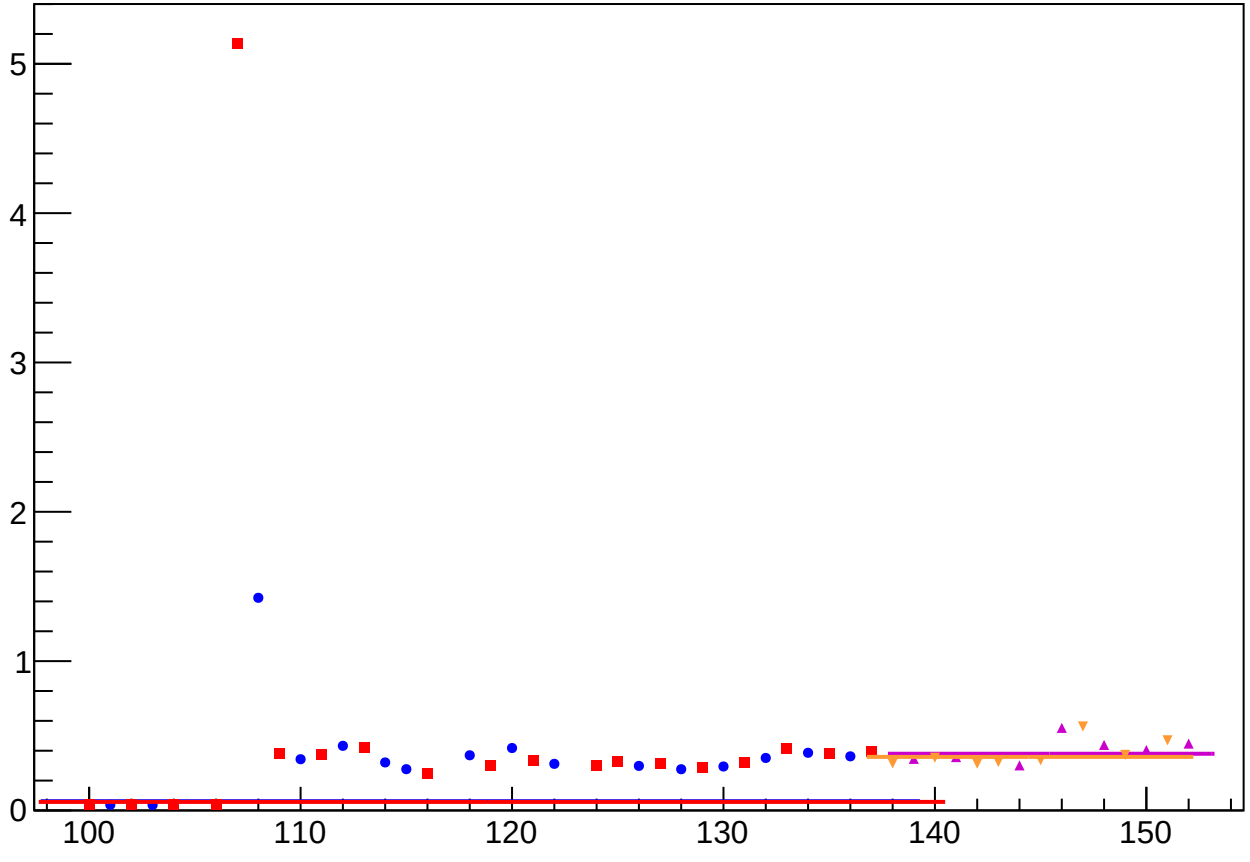
Left In: 137.282+/-0.000 χ^2/NDF:3874815.9/6

+ sign 1716.415+/-0.000 χ^2/NDF: 2657074136947

All: 1744.726+/-0.000 χ^2/NDF: 5205582286

- sign 1769.407+/-0.000 χ^2/NDF: 25392831494092

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.359+/-0.000 χ^2/NDF:363463.0/7

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

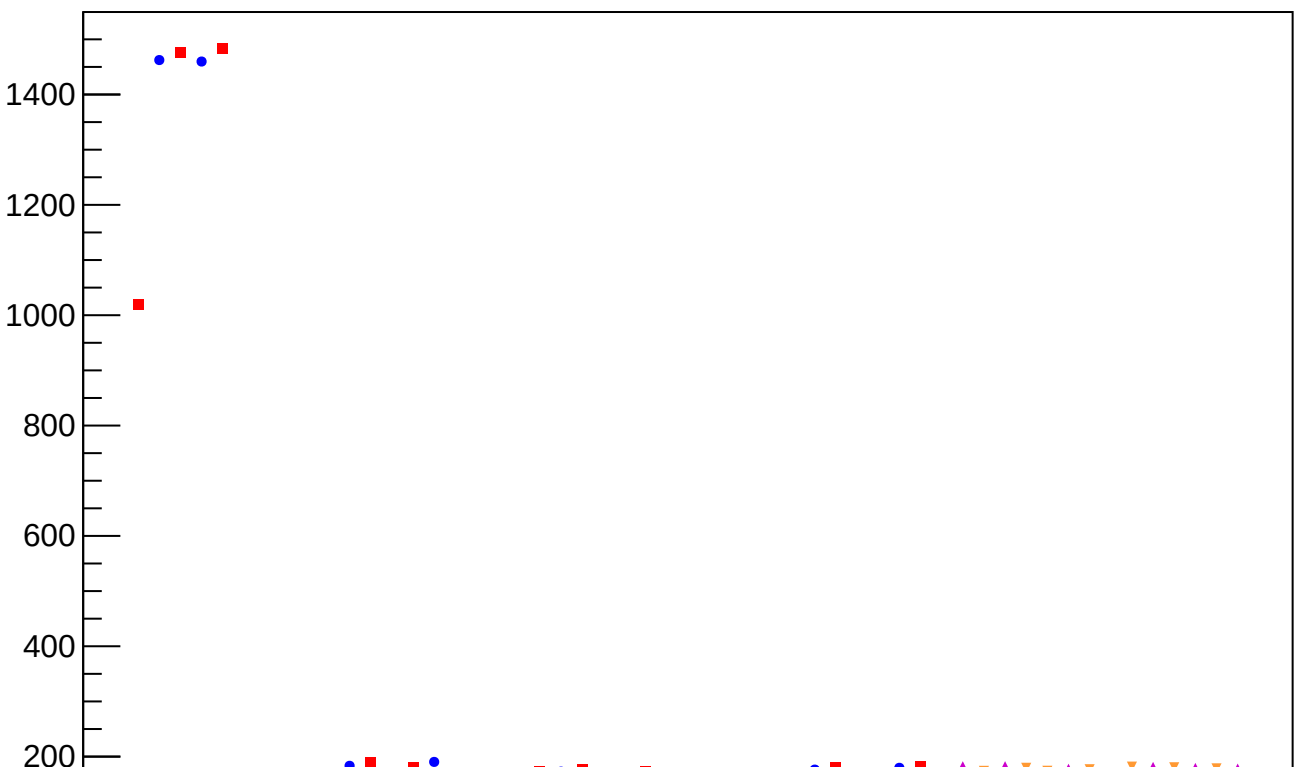
Left In: 0.380+/-0.000 χ^2/NDF:377562.6/6

+ sign 0.083+/-0.000 χ^2/NDF: 15822402.3/23

All: 0.079+/-0.000 χ^2/NDF: 31719938.8/49

- sign 0.075+/-0.000 χ^2/NDF: 15855642.1/25

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 176.015+/-0.000 χ^2/NDF:139149602.1/7

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

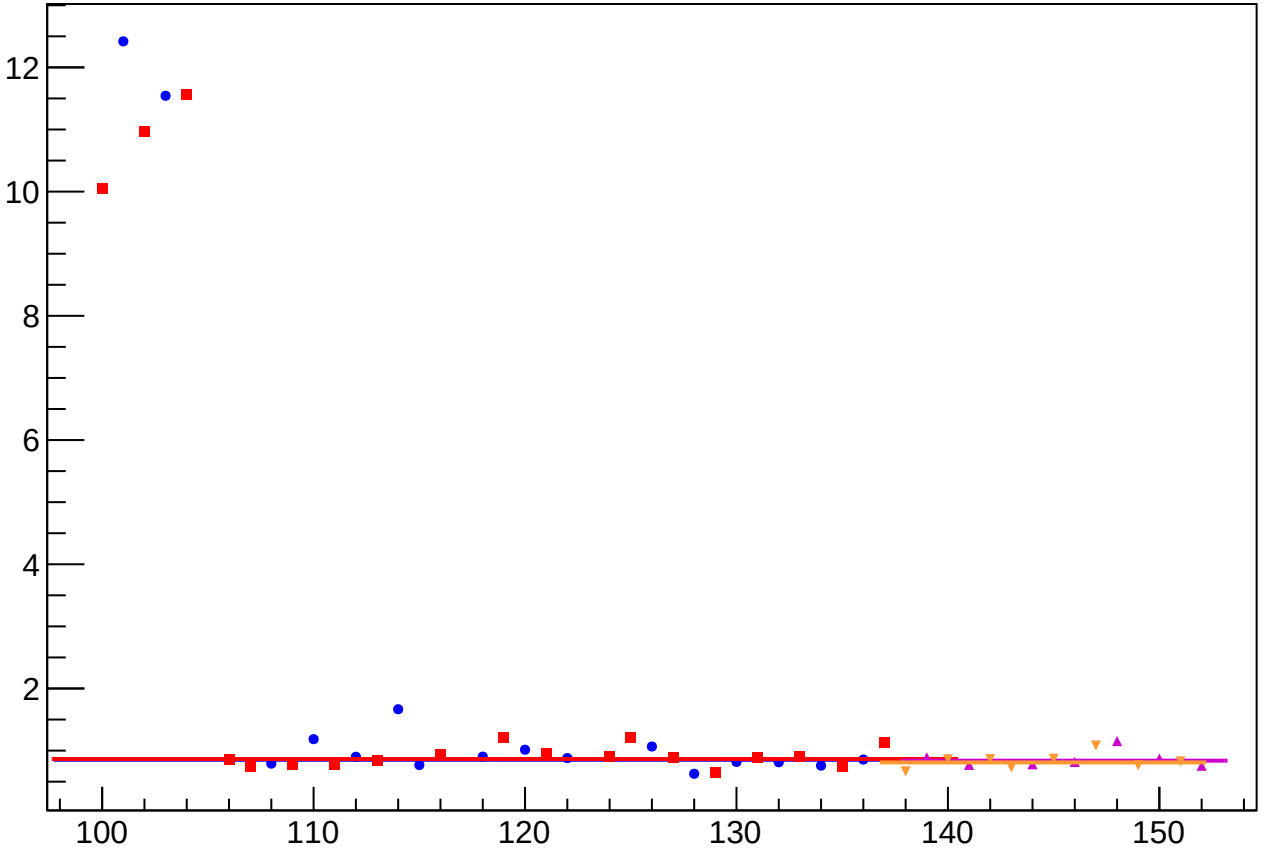
Left In: 176.217+/-0.000 χ^2/NDF:370264090.9/6

+ sign 171.538+/-0.000 χ^2/NDF: 14969548067.4/23

All: 172.122+/-0.000 χ^2/NDF: 31795075014.

- sign 172.698+/-0.000 χ^2/NDF: 16818310243.7/25

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.810+/-0.000 χ^2/NDF:134700.6/7

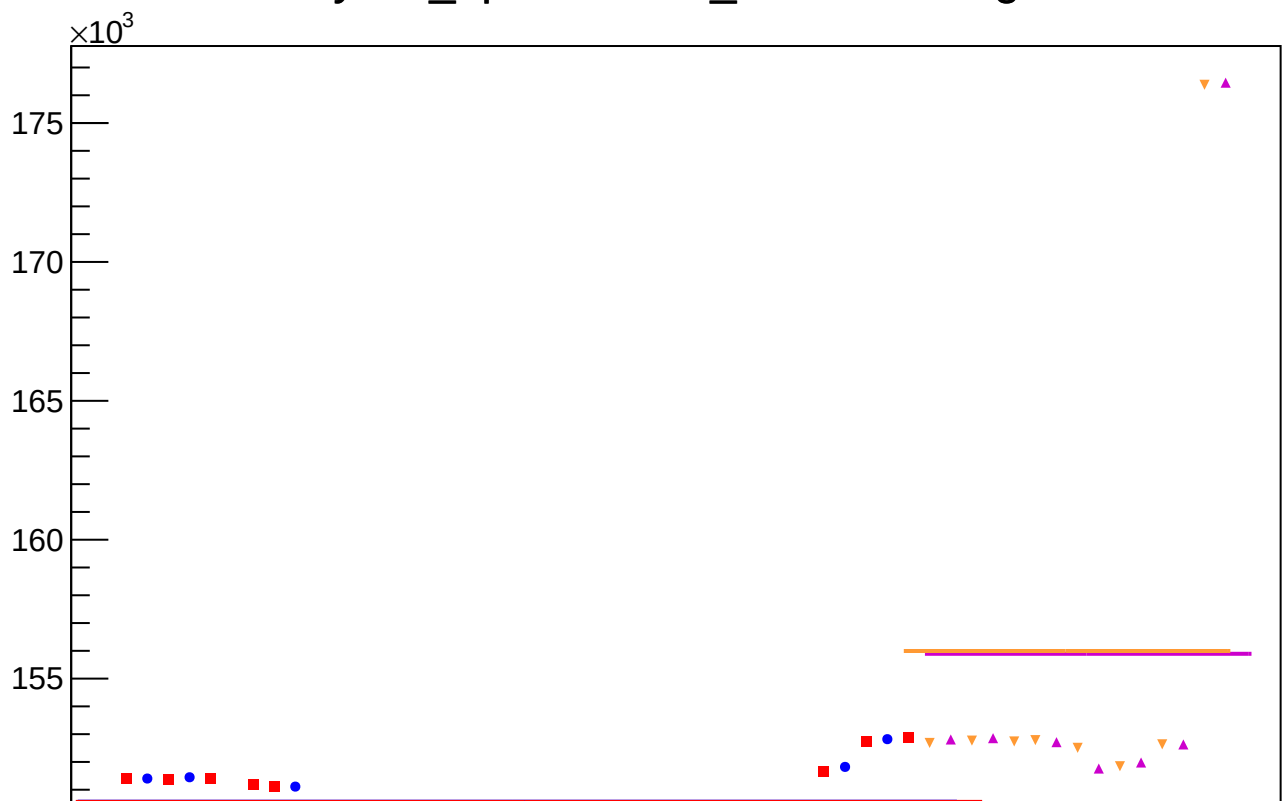
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.838+/-0.000 χ^2/NDF:122816.1/6

+ sign 0.831+/-0.000 χ^2/NDF: 2447008.5/23

All: 0.841+/-0.000 χ^2/NDF: 4787104.8/49

- sign 0.851+/-0.000 χ^2/NDF: 2335721.2/25



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 155993.916+/-0.071 χ^2/NDF:13933218406.8/7

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

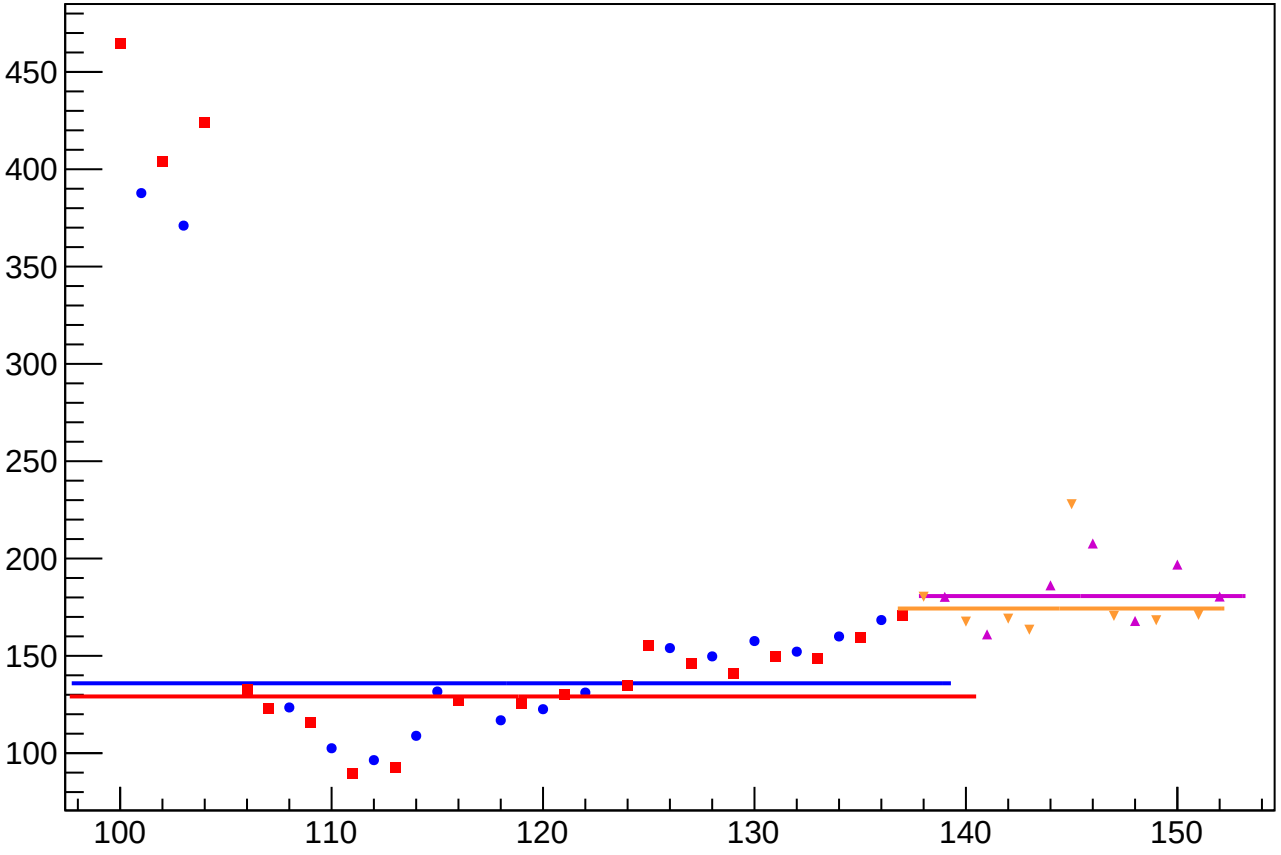
Left In: 155893.330+/-0.074 χ^2/NDF:12883391693.2/6

+ sign 152586.997+/-0.043 χ^2/NDF: 17842067946.

All: 152430.976+/-0.030 χ^2/NDF: 34482104

- sign 152284.409+/-0.042 χ^2/NDF: 16614828100.4

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 174.314+/-0.050 χ^2/NDF:104939.5/7

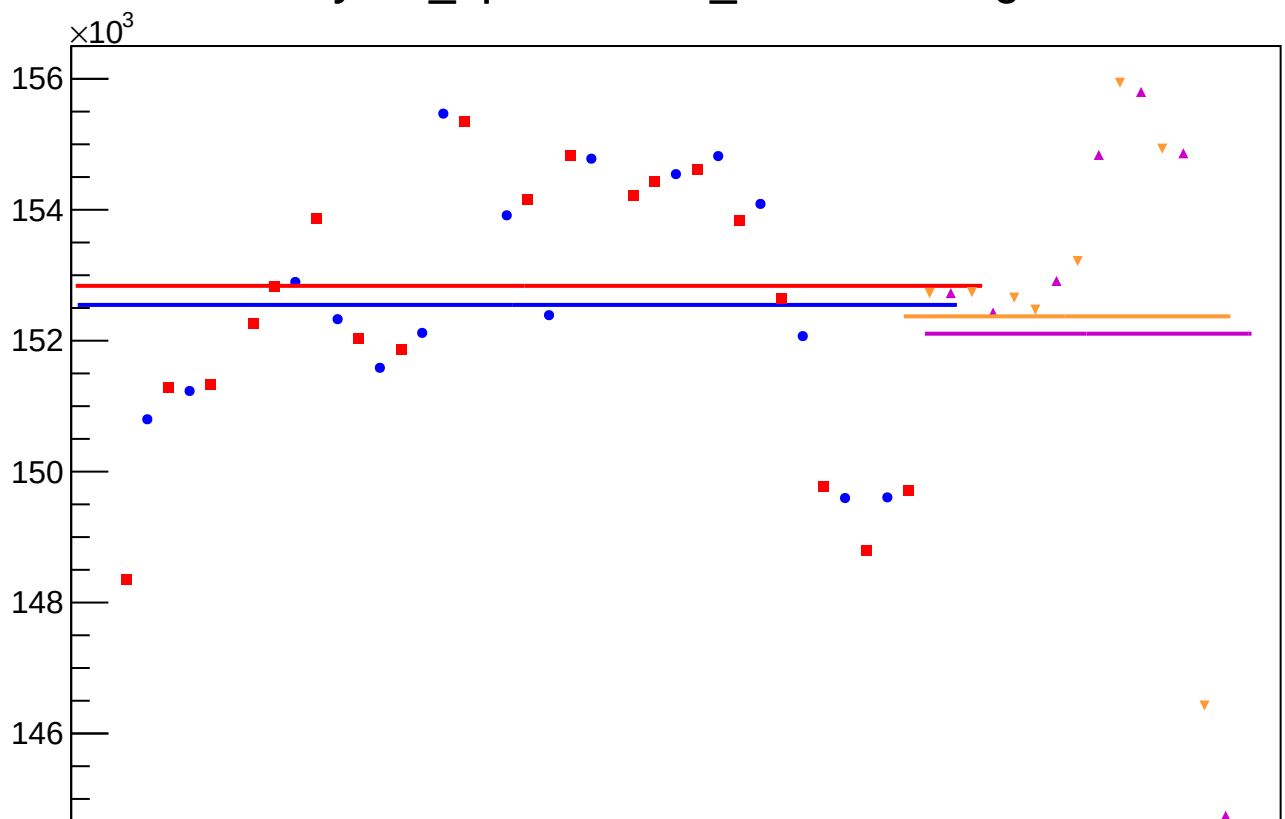
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.713+/-0.052 χ^2/NDF:78700.3/6

+ sign 150.189+/-0.031 χ^2/NDF: 1889503.1/23

All: 147.925+/-0.021 χ^2/NDF: 4254673.7/49

- sign 145.798+/-0.030 χ^2/NDF: 2354553.2/25



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152371.796+/-0.080 χ^2/NDF:1012462009.5/7

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

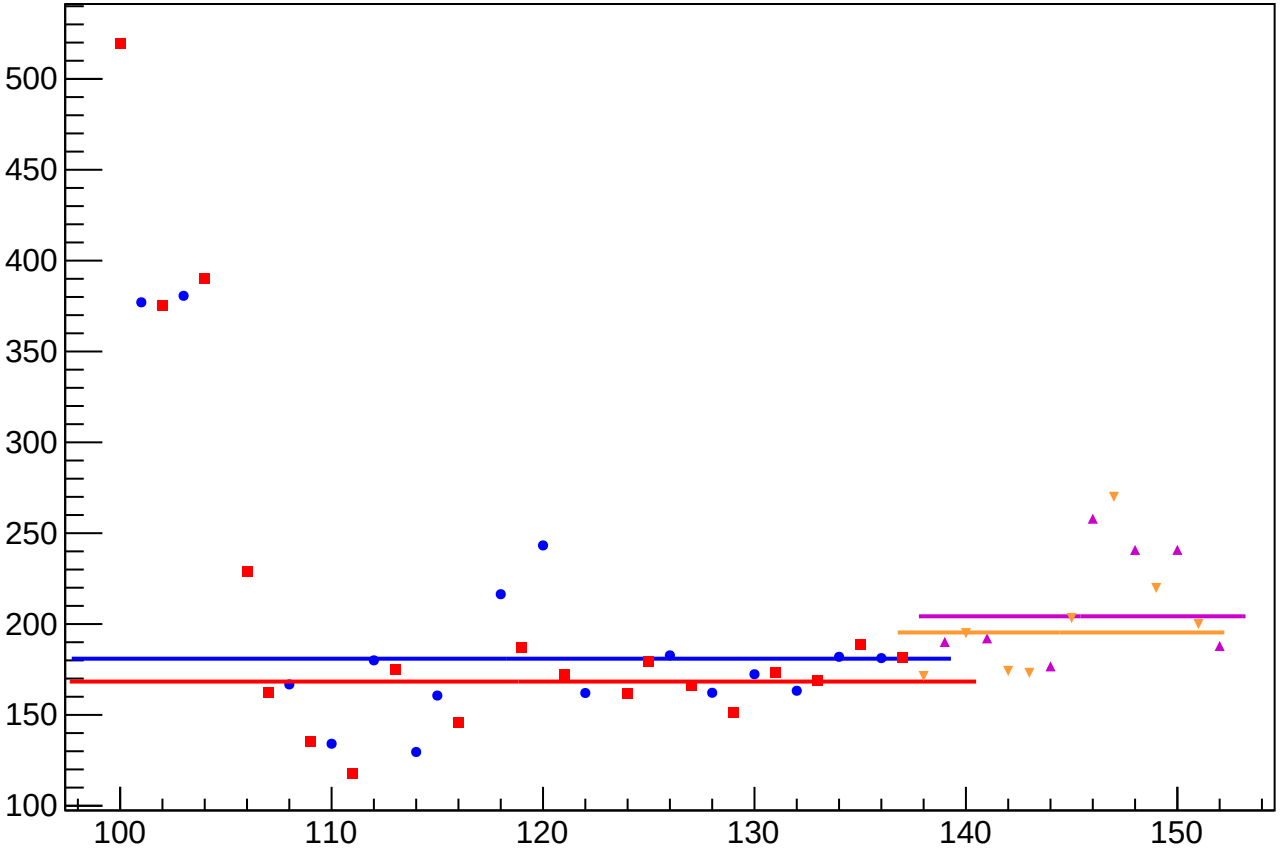
Left In: 152107.141+/-0.084 χ^2/NDF:1717968798.6/6

+ sign 152468.046+/-0.054 χ^2/NDF: 1669621124.5

All: 152513.505+/-0.038 χ^2/NDF: 41721815

- sign 152556.348+/-0.052 χ^2/NDF: 2501175515.7/

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.372+/-0.057 χ^2/NDF:217147.7/7

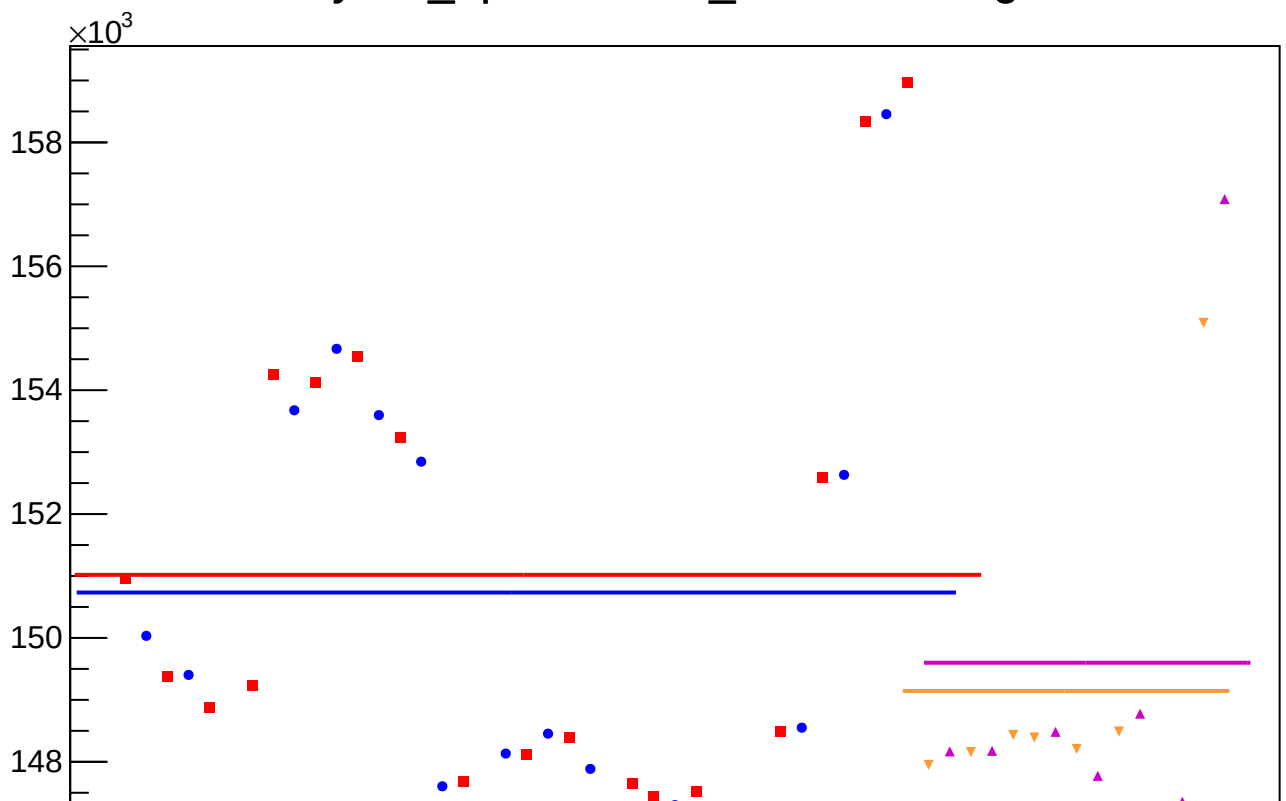
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 204.264+/-0.060 χ^2/NDF:225774.3/6

+ sign 187.438+/-0.038 χ^2/NDF: 1160489.7/23

All: 184.735+/-0.027 χ^2/NDF: 2708834.9/49

- sign 182.186+/-0.037 χ^2/NDF: 1538547.2/25



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 149143.964+/-0.078 χ^2/NDF:1013935408.6/7

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

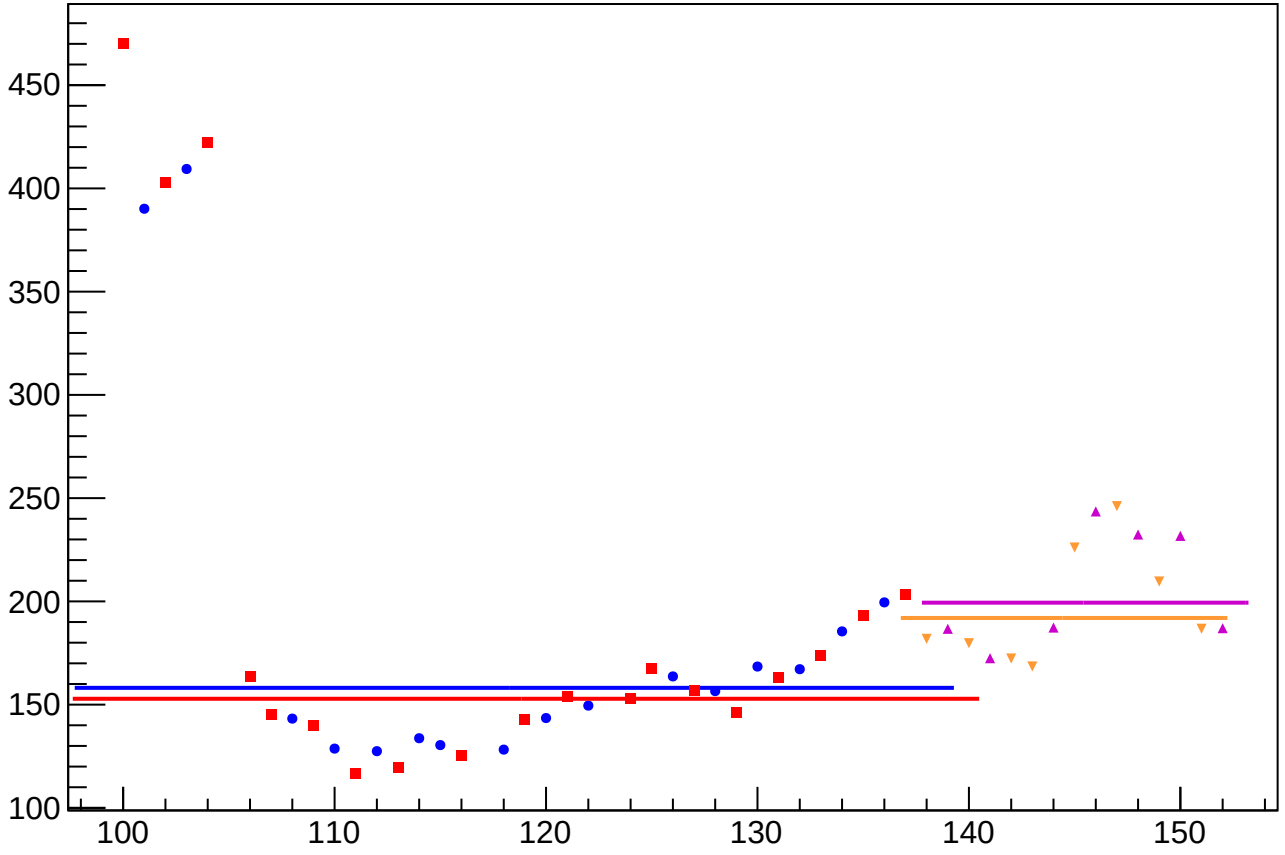
Left In: 149599.631+/-0.082 χ^2/NDF:1639865010.0/6

+ sign 150111.004+/-0.049 χ^2/NDF: 4547778777.2

All: 150318.936+/-0.034 χ^2/NDF: 97048114

- sign 150521.311+/-0.048 χ^2/NDF: 5121590750.0/

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 191.974+/-0.055 χ^2/NDF:183351.9/7

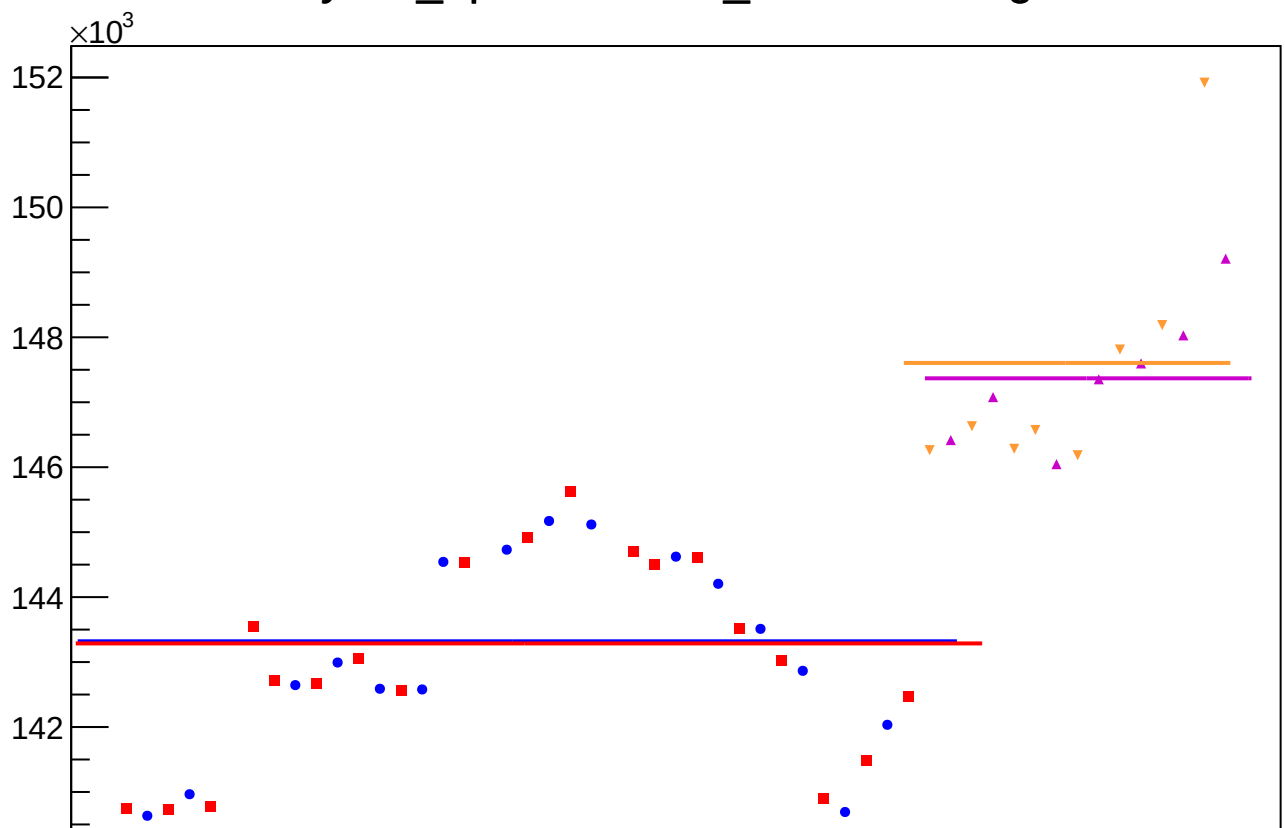
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 199.375+/-0.058 χ^2/NDF:190891.4/6

+ sign 171.386+/-0.035 χ^2/NDF: 1605668.0/23

All: 170.252+/-0.024 χ^2/NDF: 3483678.2/49

- sign 169.147+/-0.034 χ^2/NDF: 1875899.6/25



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147605.483+/-0.078 χ^2/NDF:655441269.7/7

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

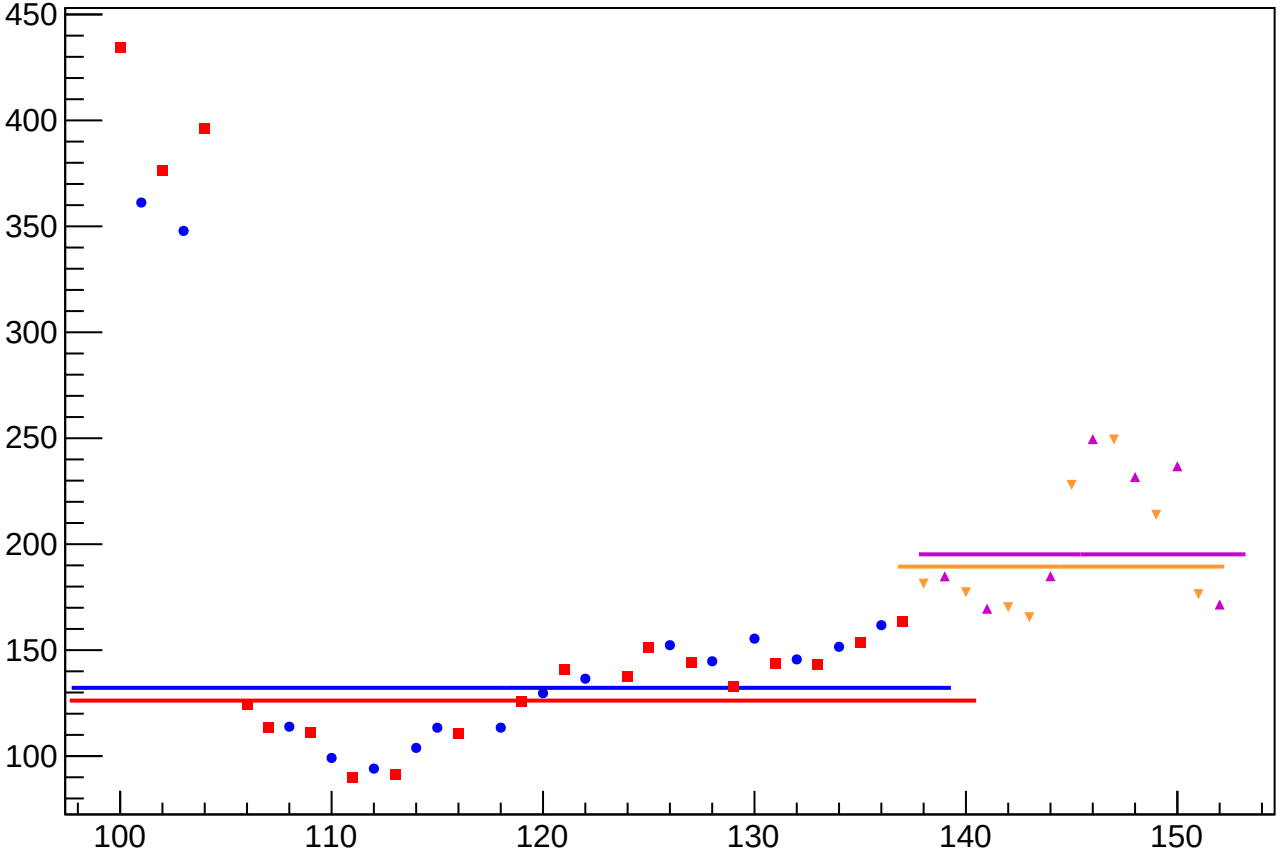
Left In: 147368.585+/-0.080 χ^2/NDF:174737291.9/6

+ sign 144686.995+/-0.044 χ^2/NDF: 3291217880.8

All: 144546.196+/-0.030 χ^2/NDF: 59702270

- sign 144415.215+/-0.042 χ^2/NDF: 2659097457.7/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 189.420+/-0.055 χ^2/NDF:225476.3/7

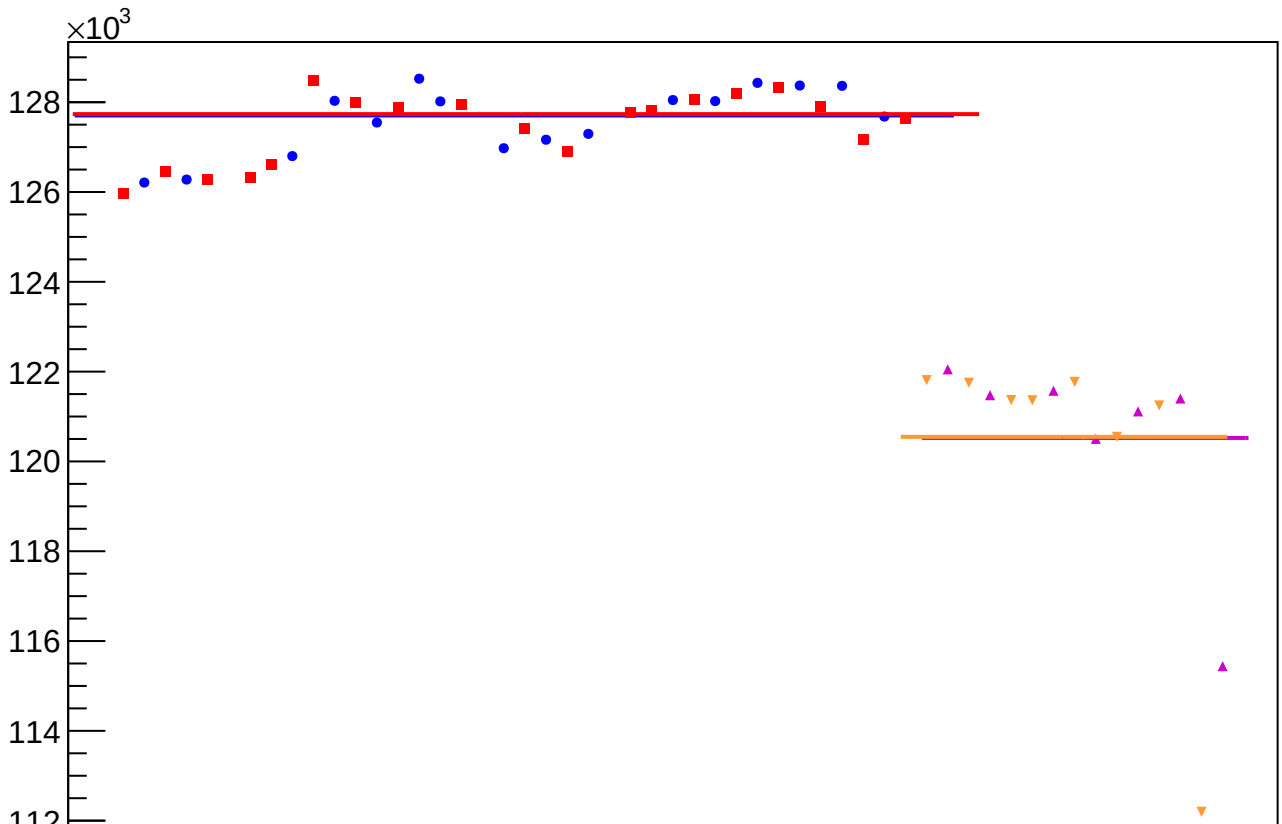
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 195.216+/-0.057 χ^2/NDF:261404.7/6

+ sign 150.458+/-0.031 χ^2/NDF: 2344785.2/23

All: 147.771+/-0.022 χ^2/NDF: 5231786.4/49

- sign 145.271+/-0.030 χ^2/NDF: 2872495.8/25



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120547.846+/-0.070 χ^2/NDF:1623908156.5/7

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

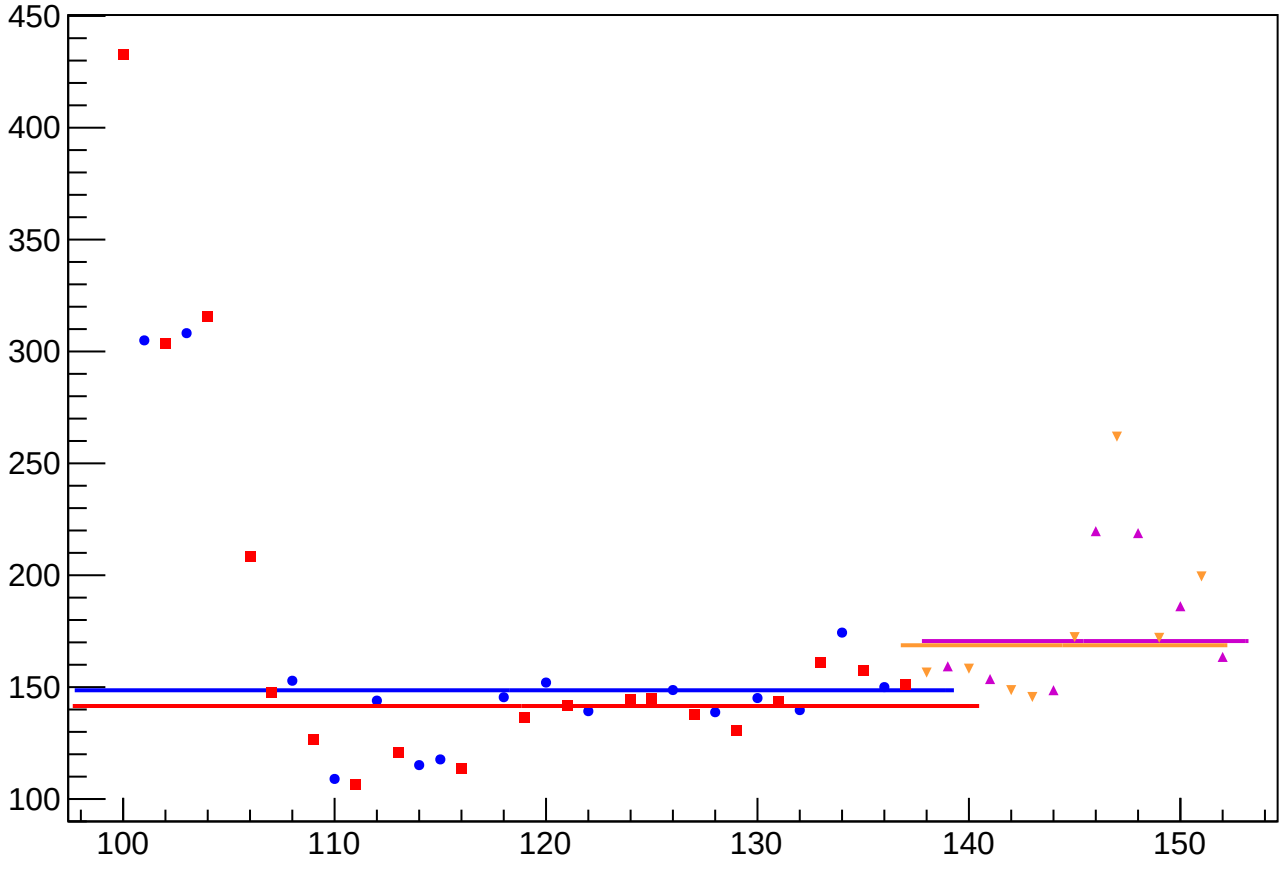
Left In: 120523.223+/-0.071 χ^2/NDF:980982027.7/6

+ sign 124773.779+/-0.045 χ^2/NDF: 7876868975.6

All: 124903.551+/-0.031 χ^2/NDF: 154637208

- sign 125024.791+/-0.043 χ^2/NDF: 7570684582.9/

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 168.712+/-0.050 χ^2/NDF:316640.5/7

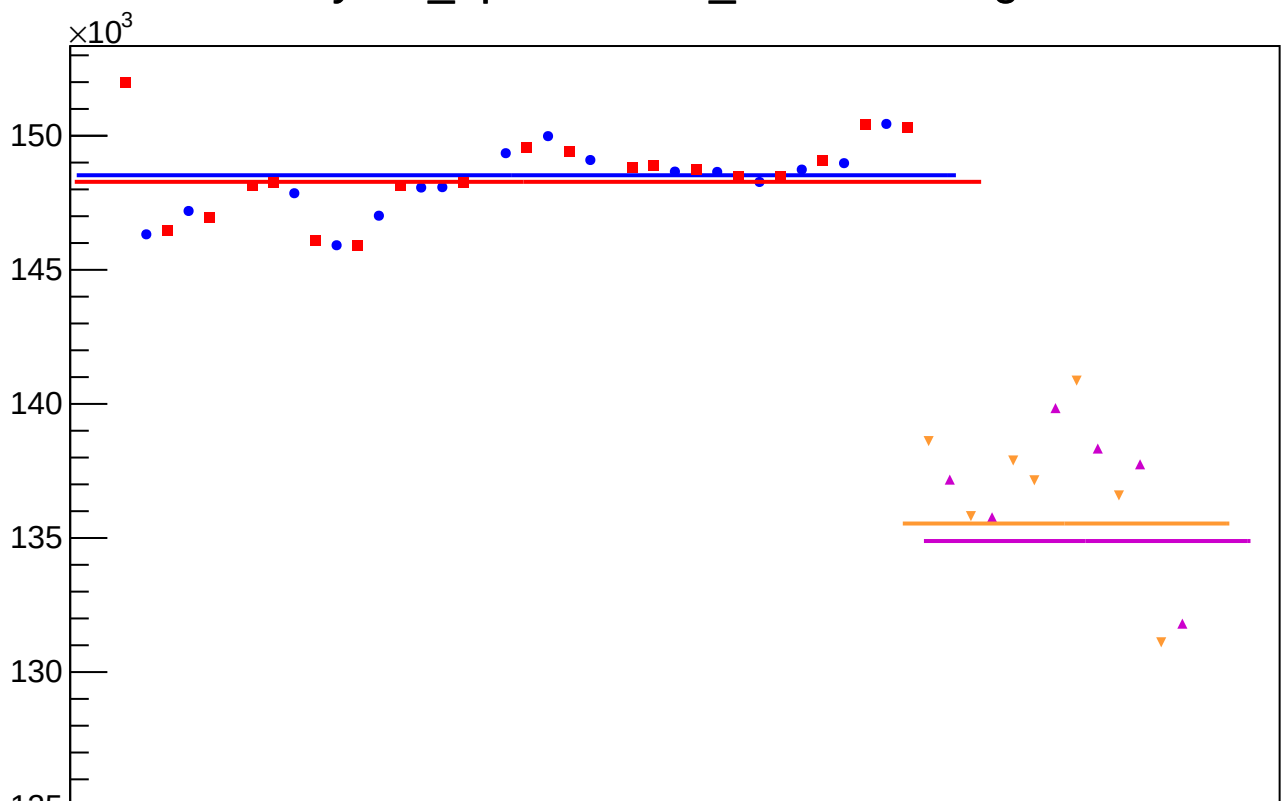
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 170.591+/-0.050 χ^2/NDF:246997.5/6

+ sign 156.833+/-0.032 χ^2/NDF: 1241501.8/23

All: 154.578+/-0.022 χ^2/NDF: 2709488.0/49

- sign 152.471+/-0.031 χ^2/NDF: 1458219.7/25



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 135539.824+/-0.104 χ^2/NDF:1724070993.6/7

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

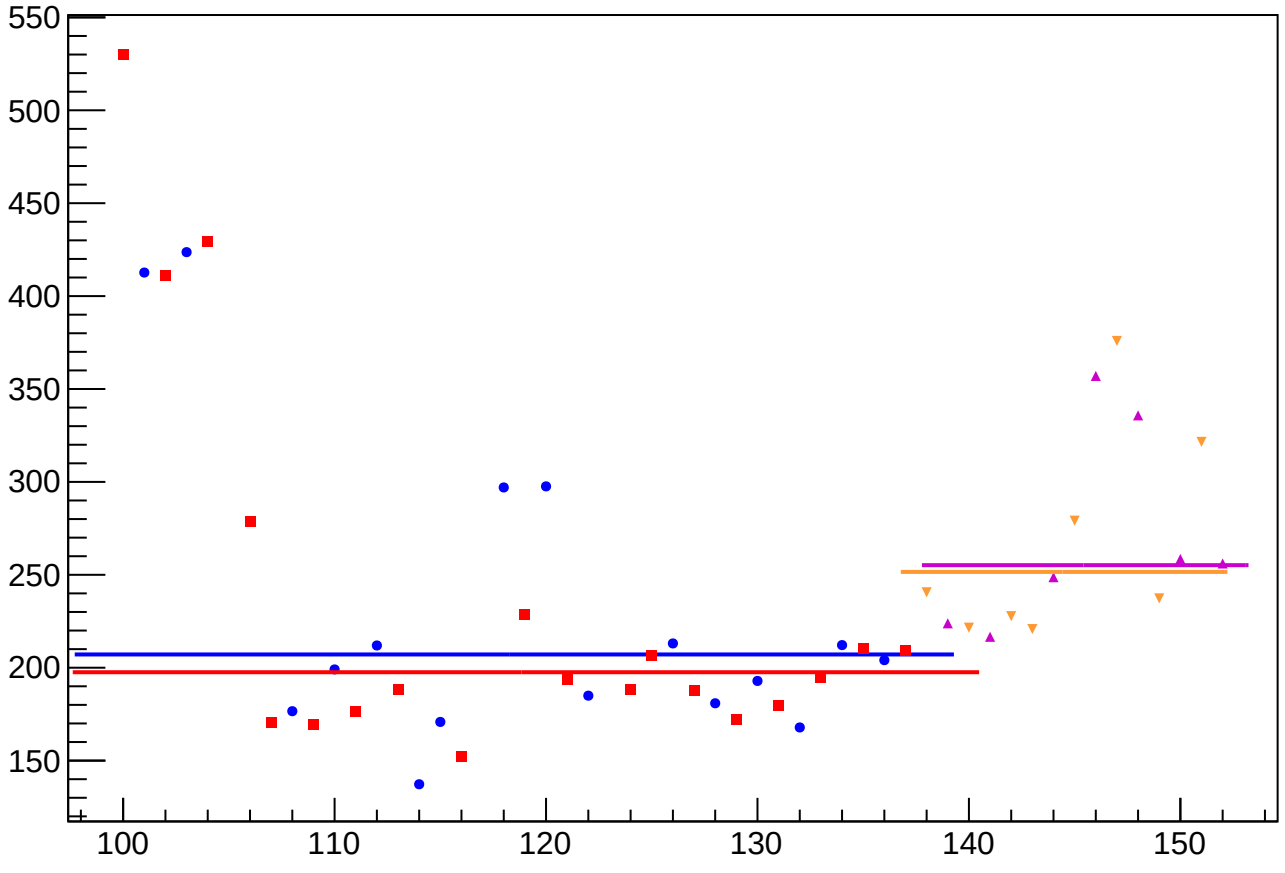
Left In: 134887.154+/-0.106 χ^2/NDF:2012941605.3/6

+ sign 143552.385+/-0.064 χ^2/NDF: 11557421241.

All: 143610.928+/-0.045 χ^2/NDF: 24404534

- sign 143665.281+/-0.062 χ^2/NDF: 12845517719.

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 251.565+/-0.074 χ^2/NDF:349569.1/7

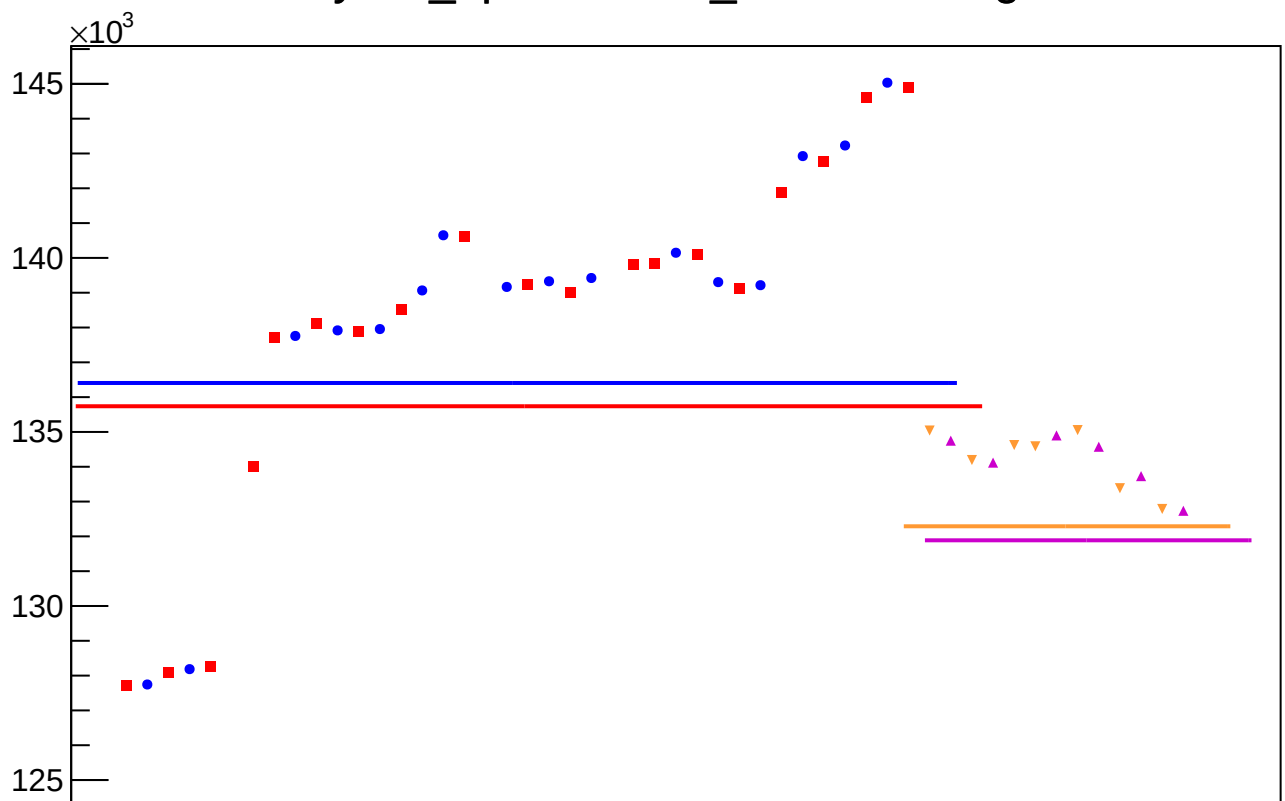
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 255.190+/-0.075 χ^2/NDF:324555.5/6

+ sign 224.155+/-0.046 χ^2/NDF: 1547041.4/23

All: 220.668+/-0.032 χ^2/NDF: 3176902.2/49

- sign 217.430+/-0.044 χ^2/NDF: 1618538.7/25



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 132289.695+/-0.217 χ^2/NDF:370561284.3/7

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

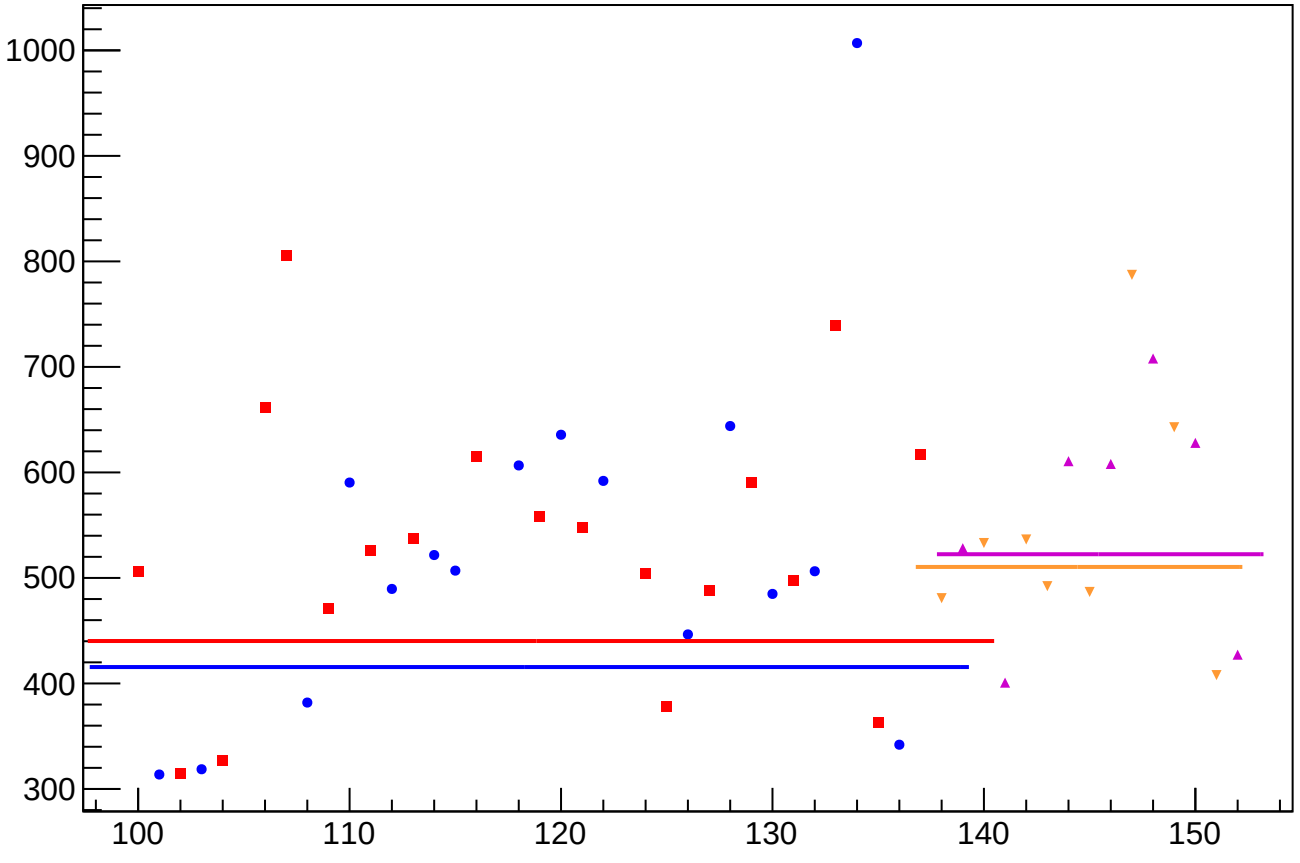
Left In: 131886.919+/-0.232 χ^2/NDF:345234362.5/6

+ sign 134860.681+/-0.133 χ^2/NDF: 2171654645.0

All: 134606.488+/-0.097 χ^2/NDF: 38732833

- sign 134323.620+/-0.141 χ^2/NDF: 1693935588.0/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 510.422+/-0.154 χ^2/NDF:357242.9/7

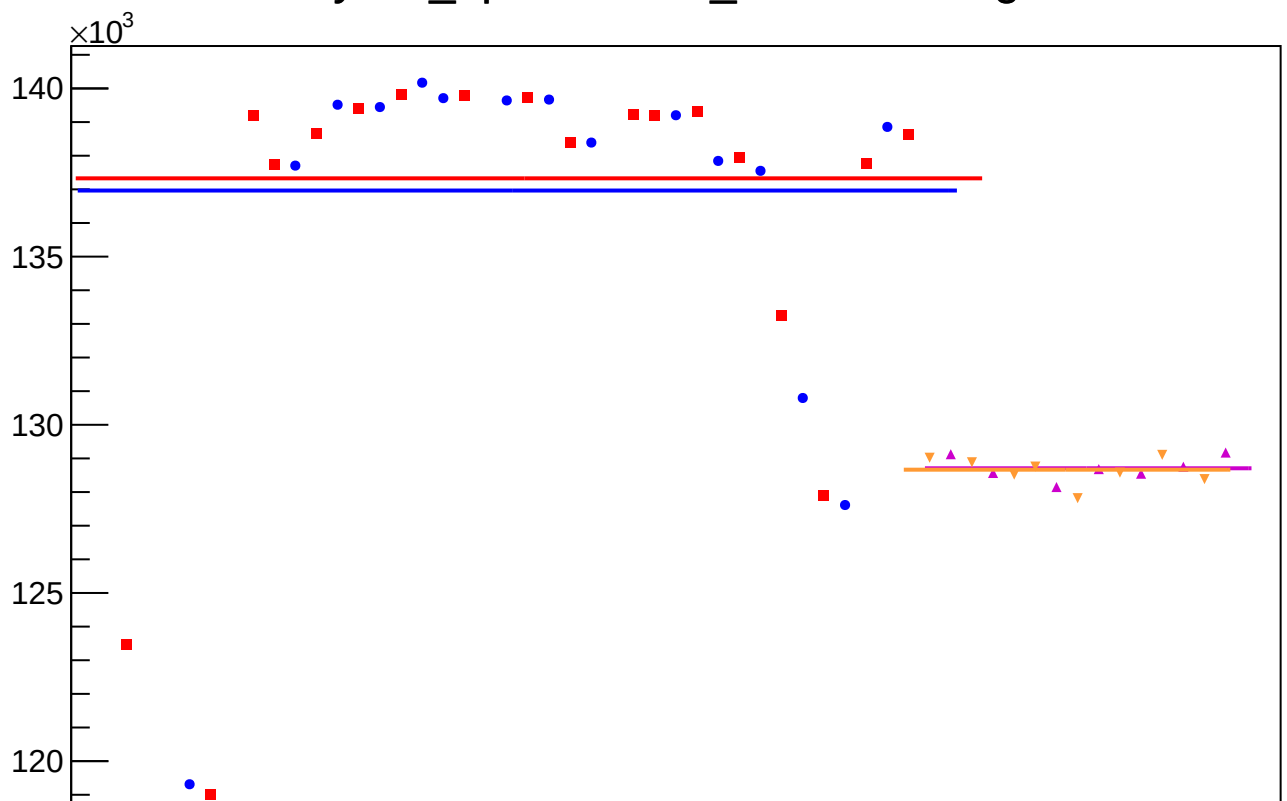
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 522.471+/-0.164 χ^2/NDF:411336.0/6

+ sign 451.178+/-0.094 χ^2/NDF: 1626753.7/23

All: 460.291+/-0.068 χ^2/NDF: 3127902.5/49

- sign 470.432+/-0.099 χ^2/NDF: 1481372.7/25



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128665.372+/-0.075 χ^2/NDF:27339331.3/7

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

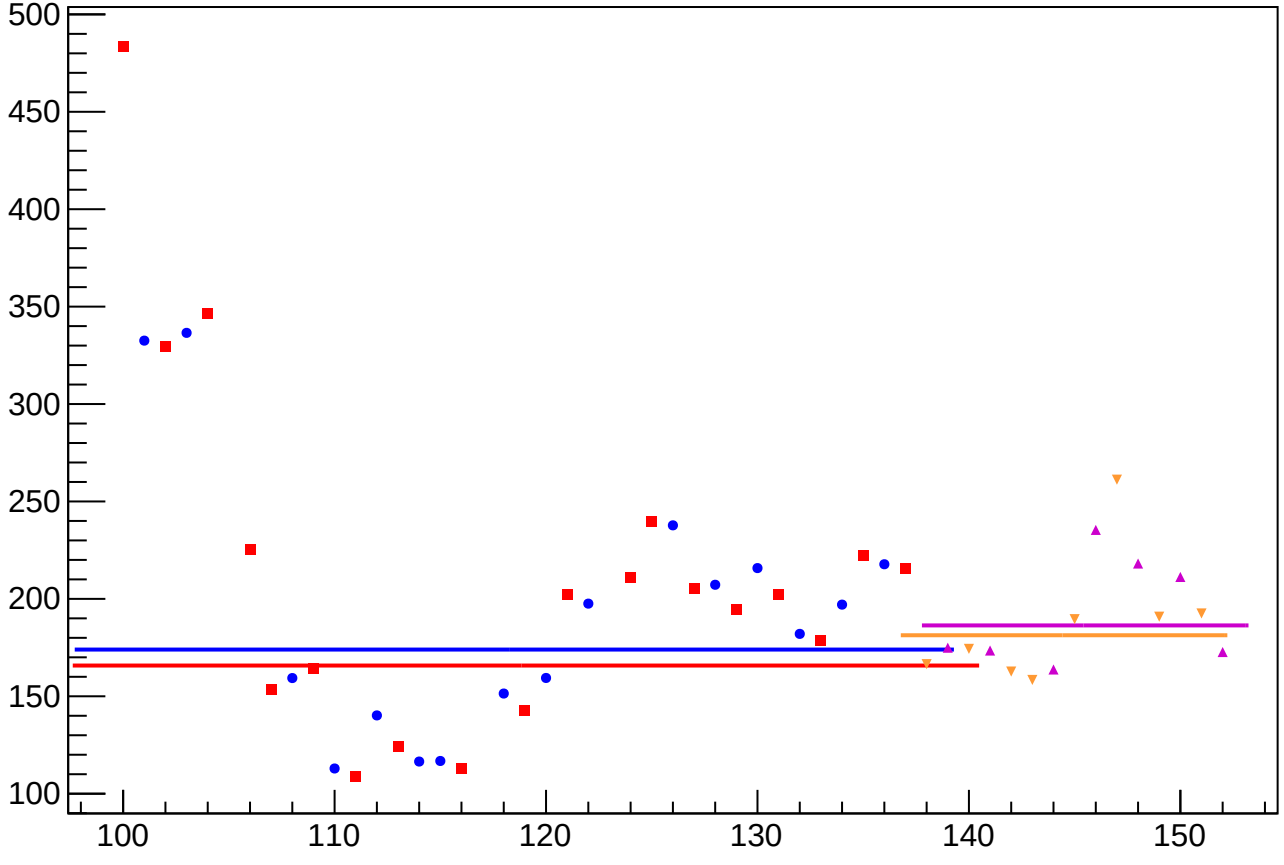
Left In: 128707.135+/-0.077 χ^2/NDF:22171590.0/6

+ sign 133090.107+/-0.051 χ^2/NDF: 12449736826.3

All: 133393.315+/-0.036 χ^2/NDF: 25570899

- sign 133684.210+/-0.050 χ^2/NDF: 13051665828.4

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 181.326+/-0.053 χ^2/NDF:224730.1/7

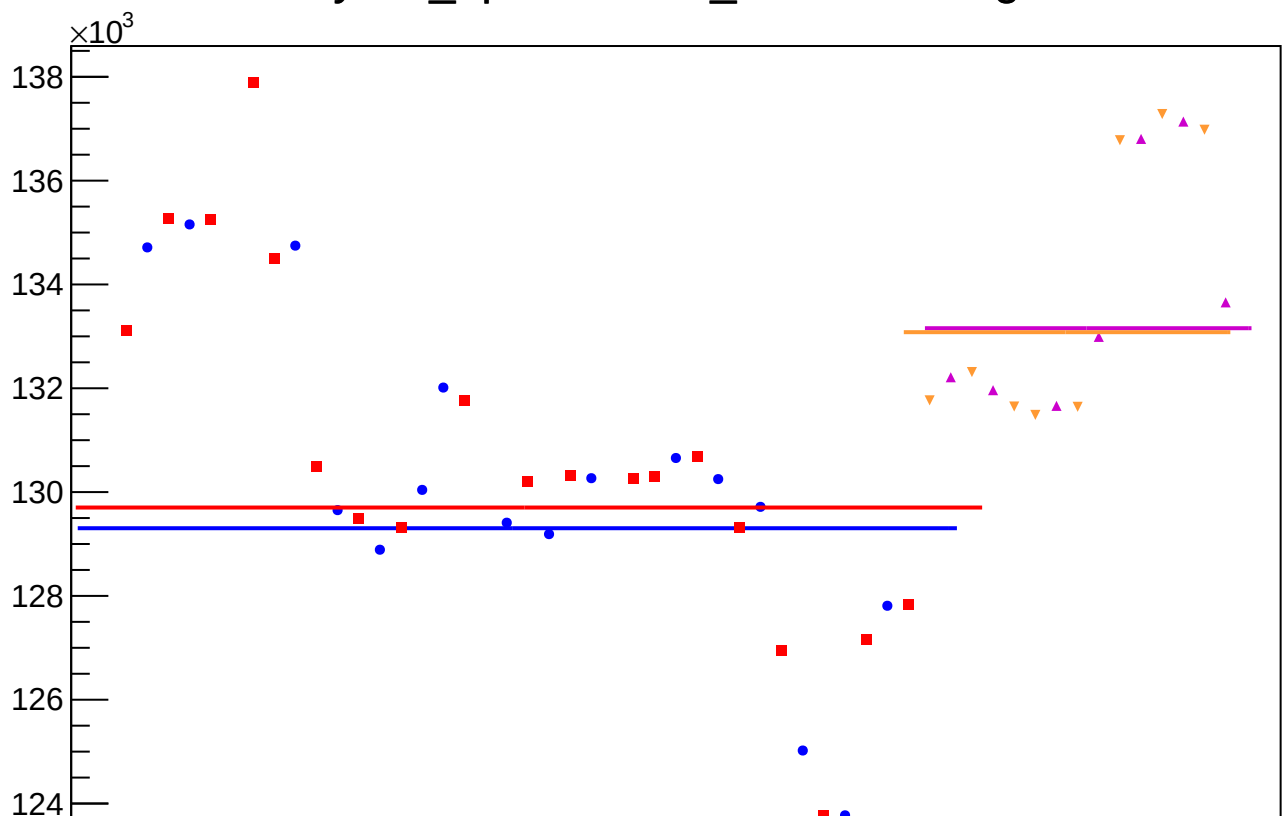
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 186.377+/-0.054 χ^2/NDF:196051.8/6

+ sign 177.411+/-0.036 χ^2/NDF: 1423582.9/23

All: 175.918+/-0.025 χ^2/NDF: 3139421.1/49

- sign 174.485+/-0.035 χ^2/NDF: 1712468.1/25



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 133080.737+/-0.077 χ^2/NDF:894905095.7/7

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

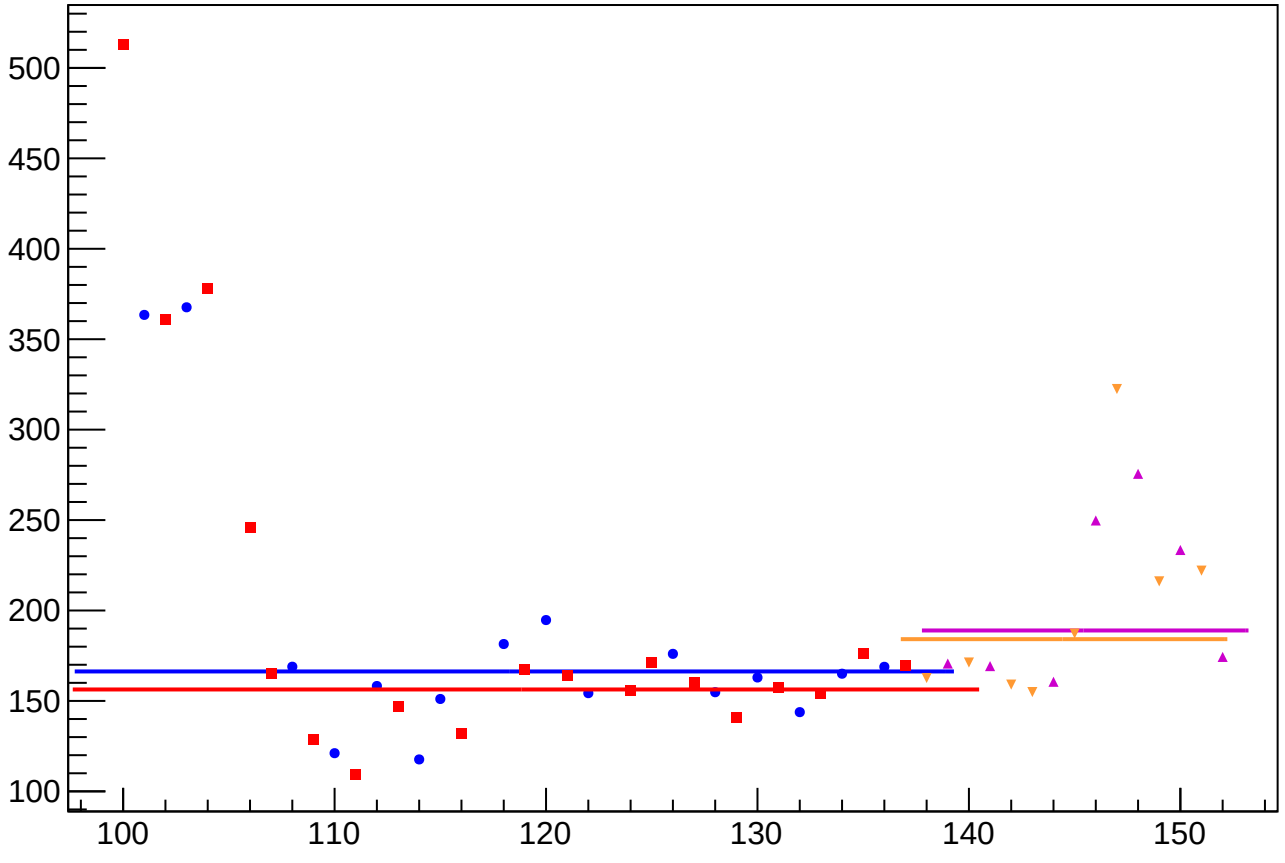
Left In: 133157.106+/-0.079 χ^2/NDF:550598729.1/6

+ sign 130912.328+/-0.050 χ^2/NDF: 3931267453.0

All: 130964.549+/-0.035 χ^2/NDF: 74572086

- sign 131013.330+/-0.048 χ^2/NDF: 3523857194.4/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 184.151+/-0.054 χ^2/NDF:496201.7/7

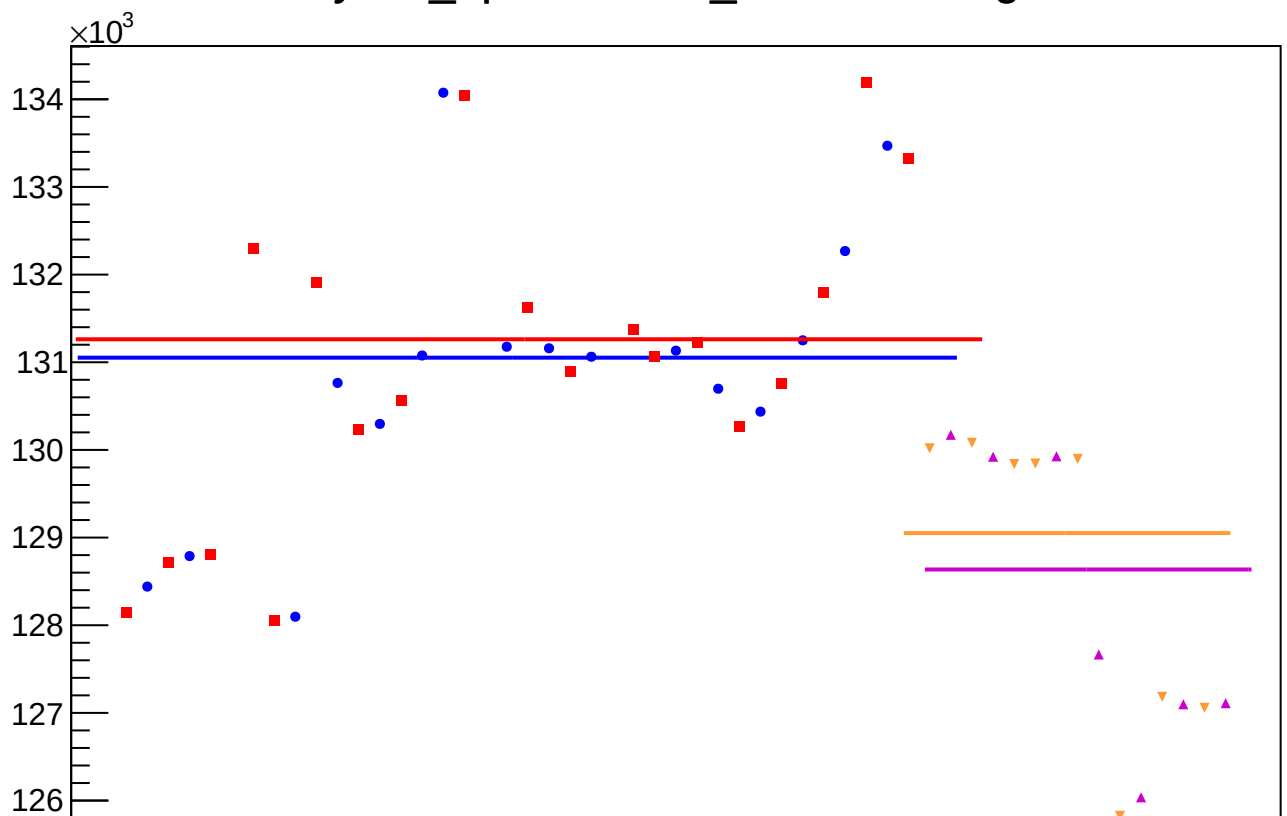
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 188.958+/-0.056 χ^2/NDF:436682.8/6

+ sign 173.903+/-0.035 χ^2/NDF: 1496061.3/23

All: 171.220+/-0.025 χ^2/NDF: 3329896.4/49

- sign 168.713+/-0.034 χ^2/NDF: 1822761.4/25



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129051.412+/-0.072 χ^2/NDF:397862561.4/7

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

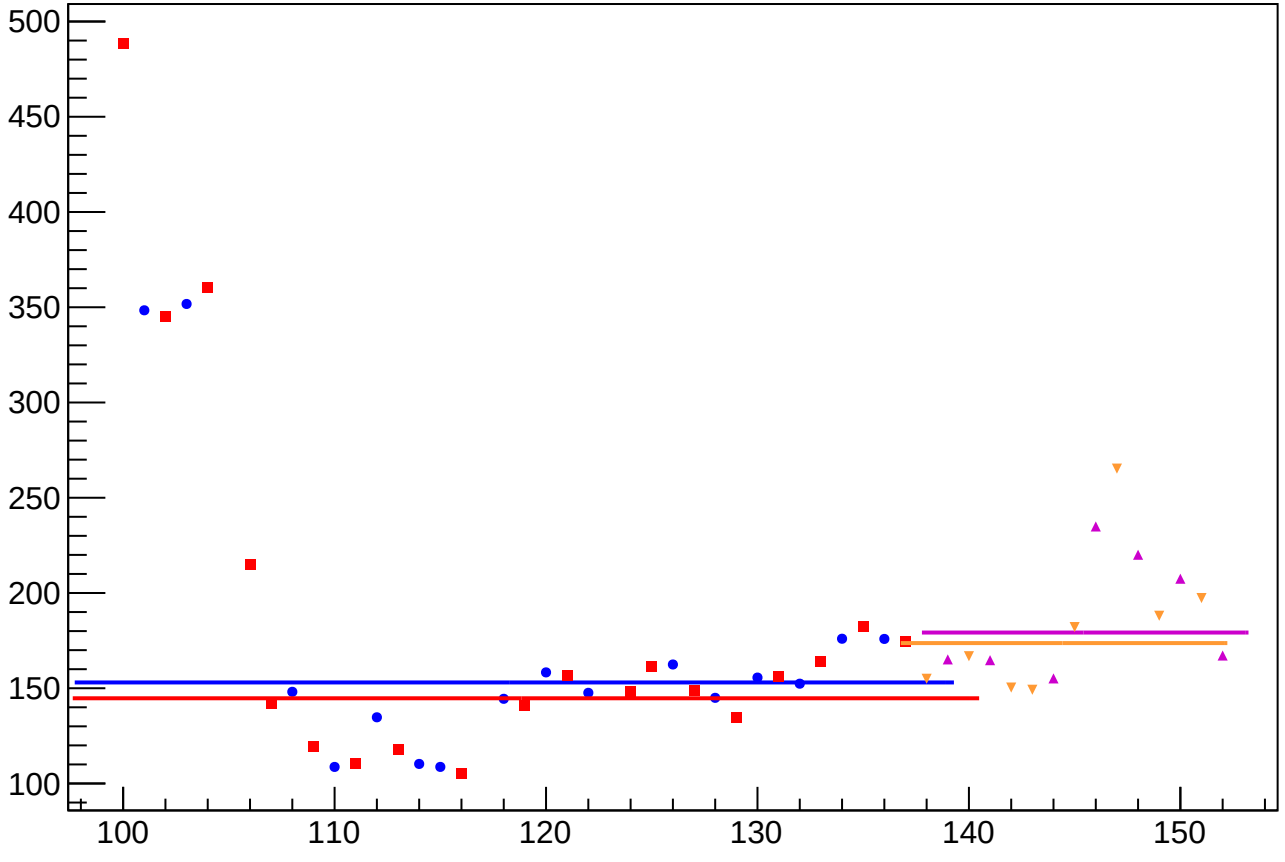
Left In: 128635.952+/-0.074 χ^2/NDF:432579536.8/6

+ sign 130217.467+/-0.046 χ^2/NDF: 1375923623.7

All: 130255.400+/-0.032 χ^2/NDF: 32083186

- sign 130291.224+/-0.045 χ^2/NDF: 1831089365.5/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 173.707+/-0.051 χ^2/NDF:319996.7/7

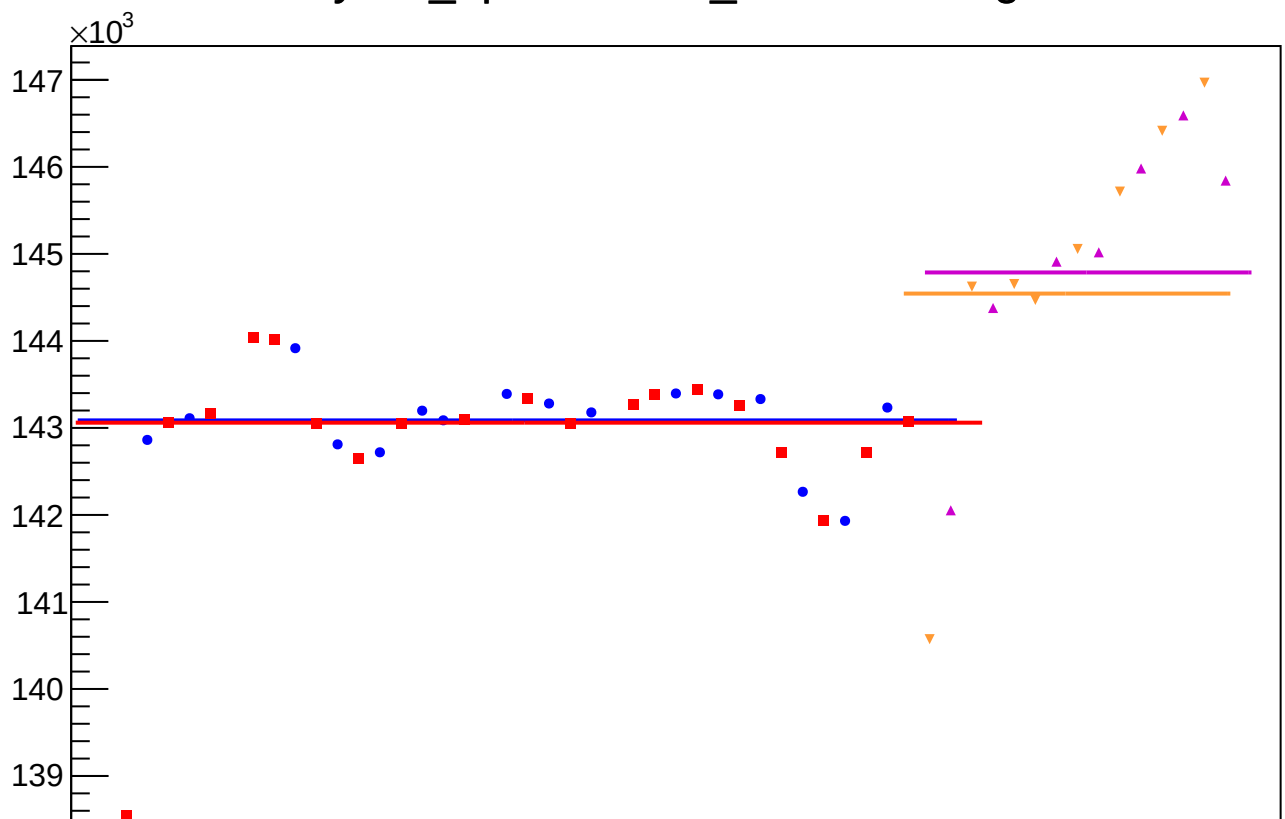
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 179.240+/-0.052 χ^2/NDF:263890.3/6

+ sign 161.665+/-0.033 χ^2/NDF: 1476378.8/23

All: 159.518+/-0.023 χ^2/NDF: 3286328.8/49

- sign 157.490+/-0.032 χ^2/NDF: 1801581.0/25



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144543.937+/-0.084 χ^2/NDF:538827921.8/7

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

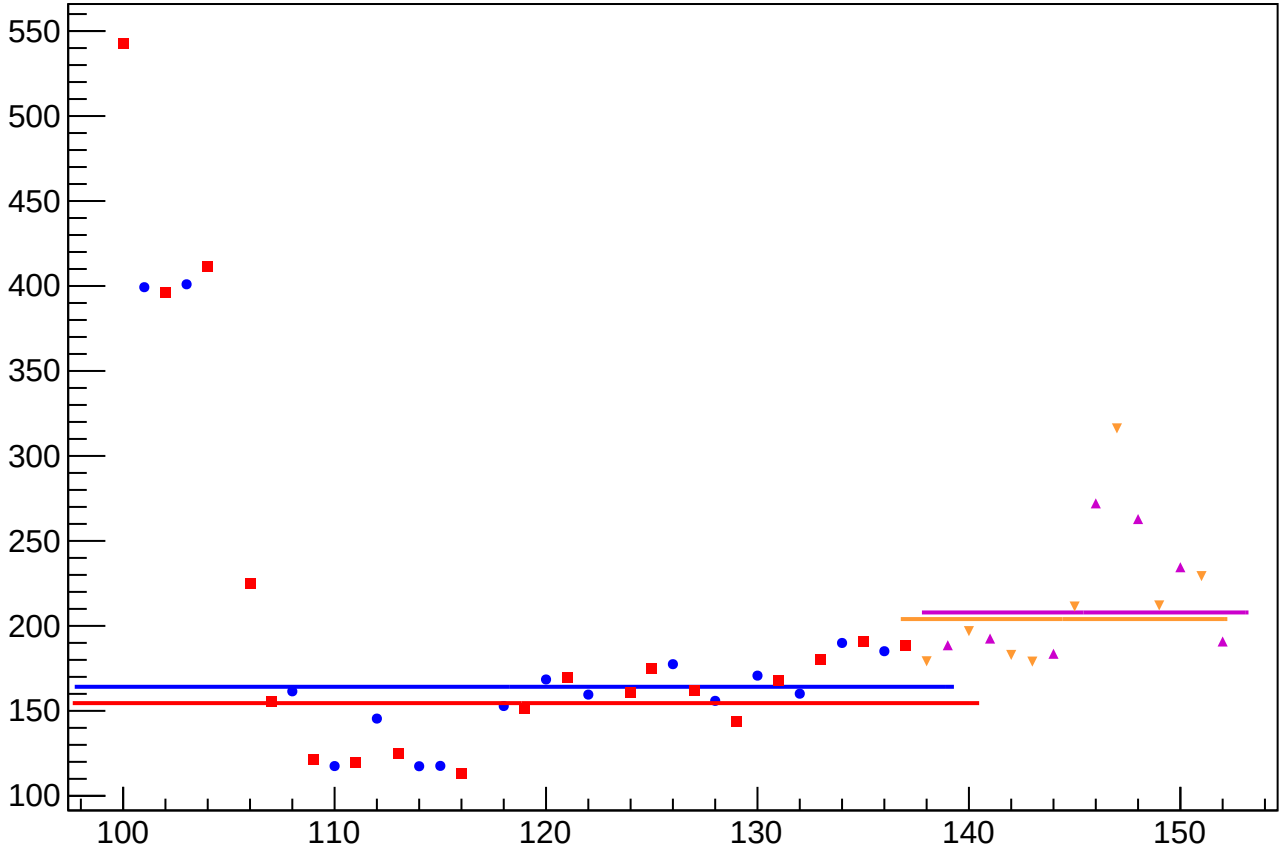
Left In: 144786.671+/-0.086 χ^2/NDF:274855316.6/6

+ sign 143629.476+/-0.052 χ^2/NDF: 772388335.7/2

All: 143631.802+/-0.036 χ^2/NDF: 13681641

- sign 143633.952+/-0.050 χ^2/NDF: 595771861.5/2

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 204.014+/-0.060 χ^2/NDF:303343.5/7

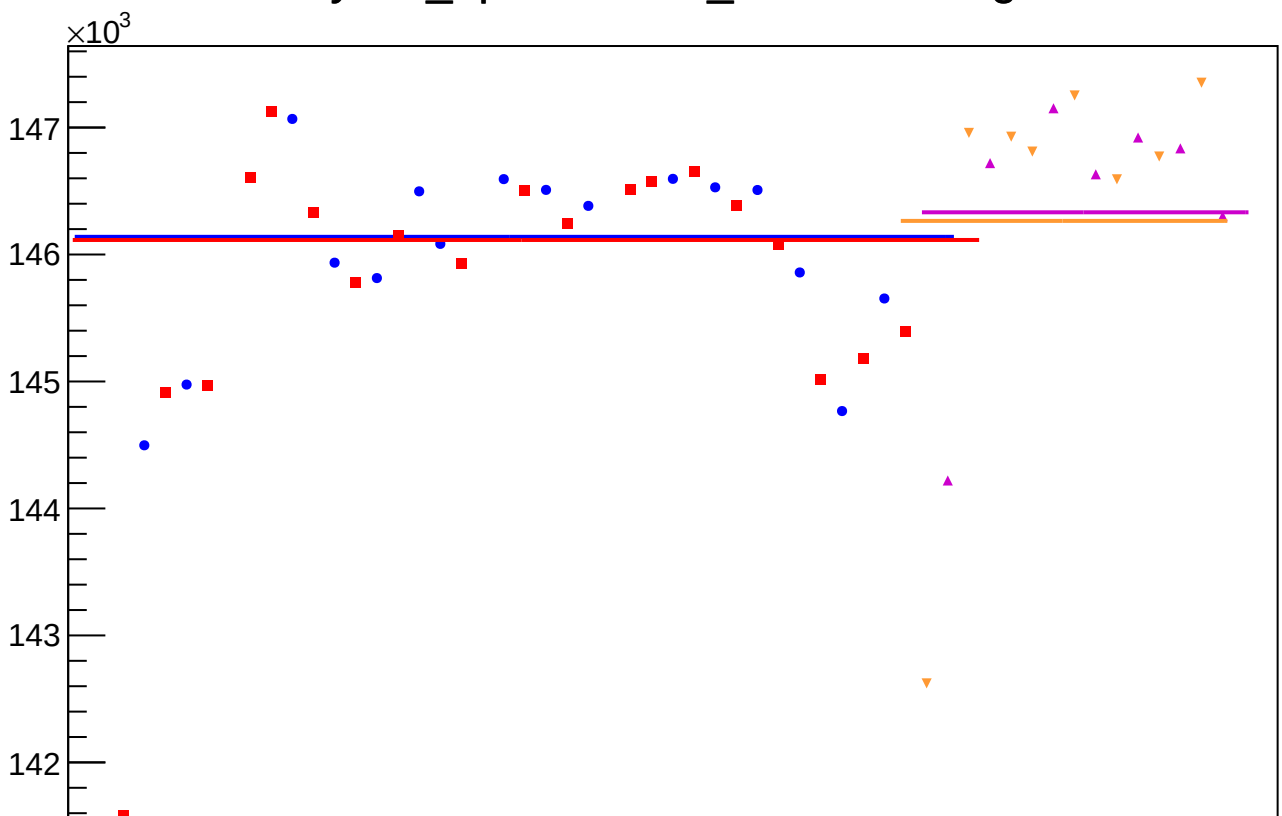
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 207.903+/-0.061 χ^2/NDF:263443.9/6

+ sign 179.012+/-0.036 χ^2/NDF: 1712418.8/23

All: 175.516+/-0.025 χ^2/NDF: 3874449.3/49

- sign 172.284+/-0.035 χ^2/NDF: 2144329.5/25



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 146264.713+/-0.083 χ^2/NDF:374596675.2/7

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

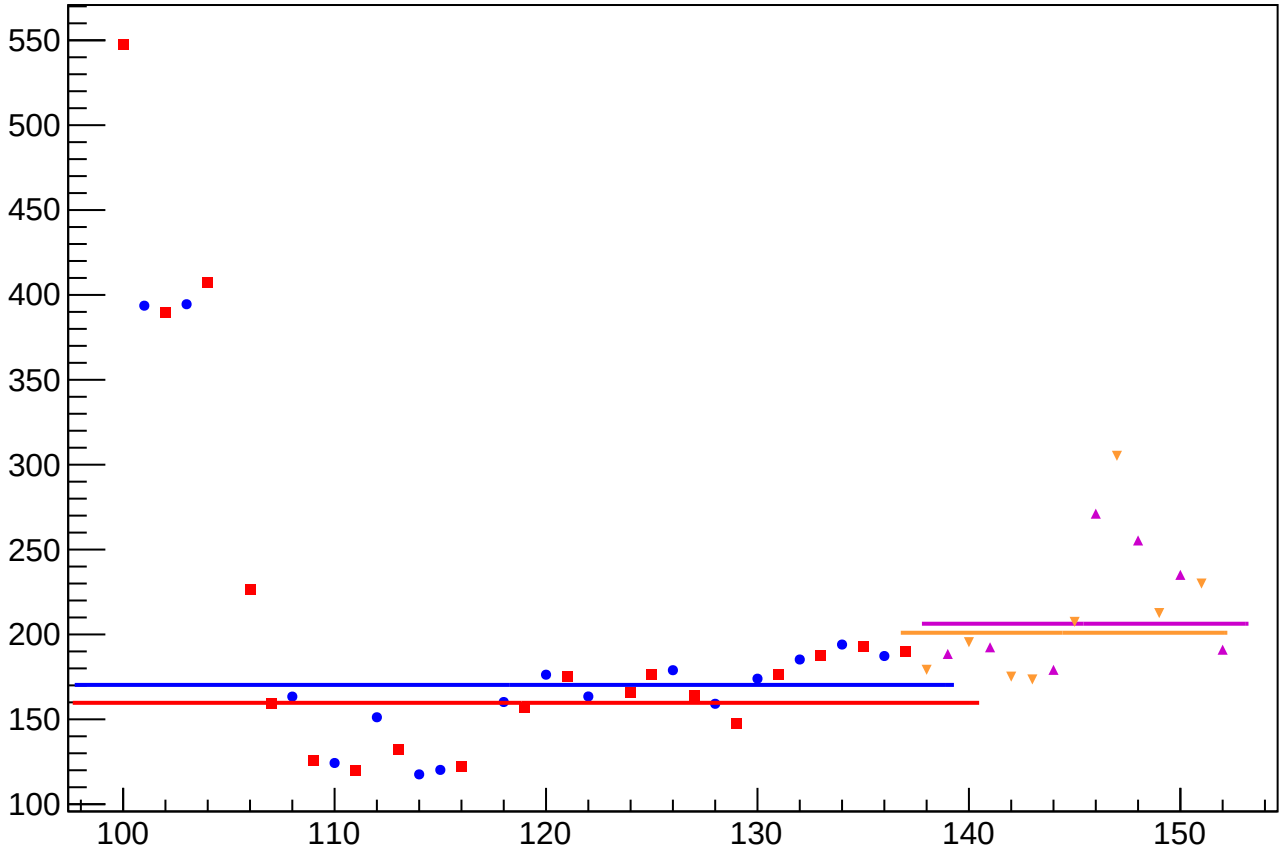
Left In: 146332.400+/-0.085 χ^2/NDF:136154042.9/6

+ sign 146189.010+/-0.052 χ^2/NDF: 447693631.0/2

All: 146189.780+/-0.036 χ^2/NDF: 66119515

- sign 146190.494+/-0.050 χ^2/NDF: 213501111.6/2

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 201.000+/-0.059 χ^2/NDF:305189.2/7

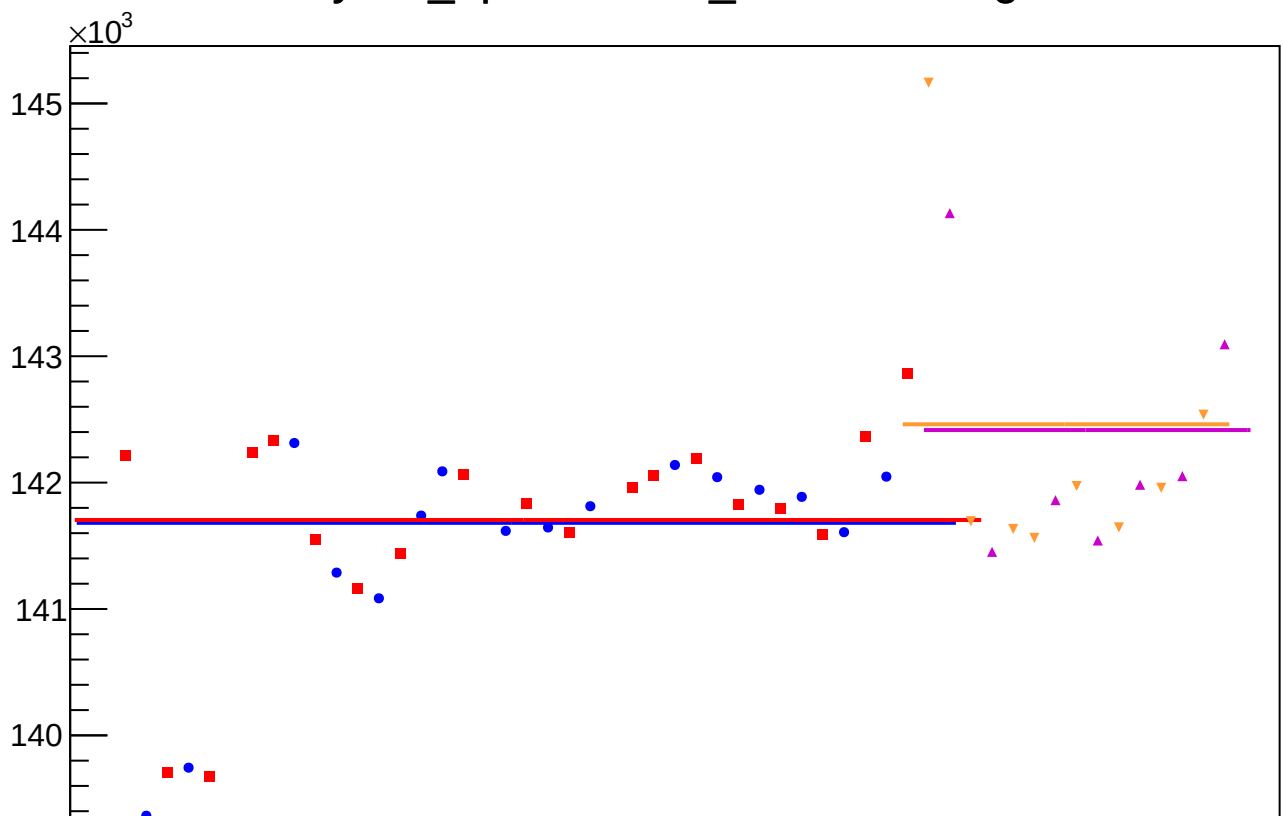
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 206.317+/-0.060 χ^2/NDF:260535.2/6

+ sign 182.465+/-0.037 χ^2/NDF: 1527686.3/23

All: 179.100+/-0.026 χ^2/NDF: 3483473.2/49

- sign 175.979+/-0.036 χ^2/NDF: 1939859.1/25



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 142461.380+/-0.089 χ^2/NDF:204965029.5/7

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

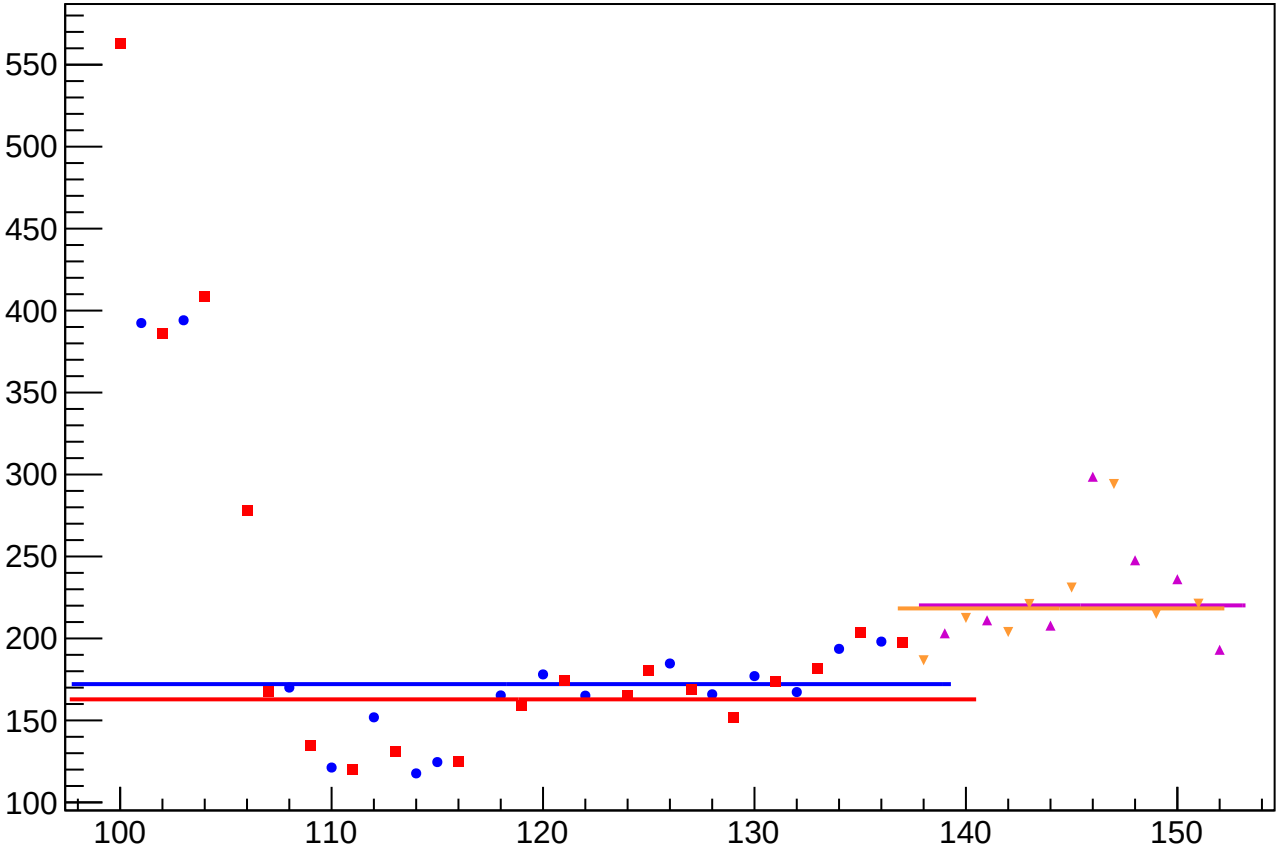
Left In: 142415.842+/-0.091 χ^2/NDF:106209713.7/6

+ sign 141968.858+/-0.054 χ^2/NDF: 317262106.5/2

All: 141953.455+/-0.038 χ^2/NDF: 53025068

- sign 141939.198+/-0.052 χ^2/NDF: 212833437.2/2

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 218.310+/-0.063 χ^2/NDF:164132.8/7

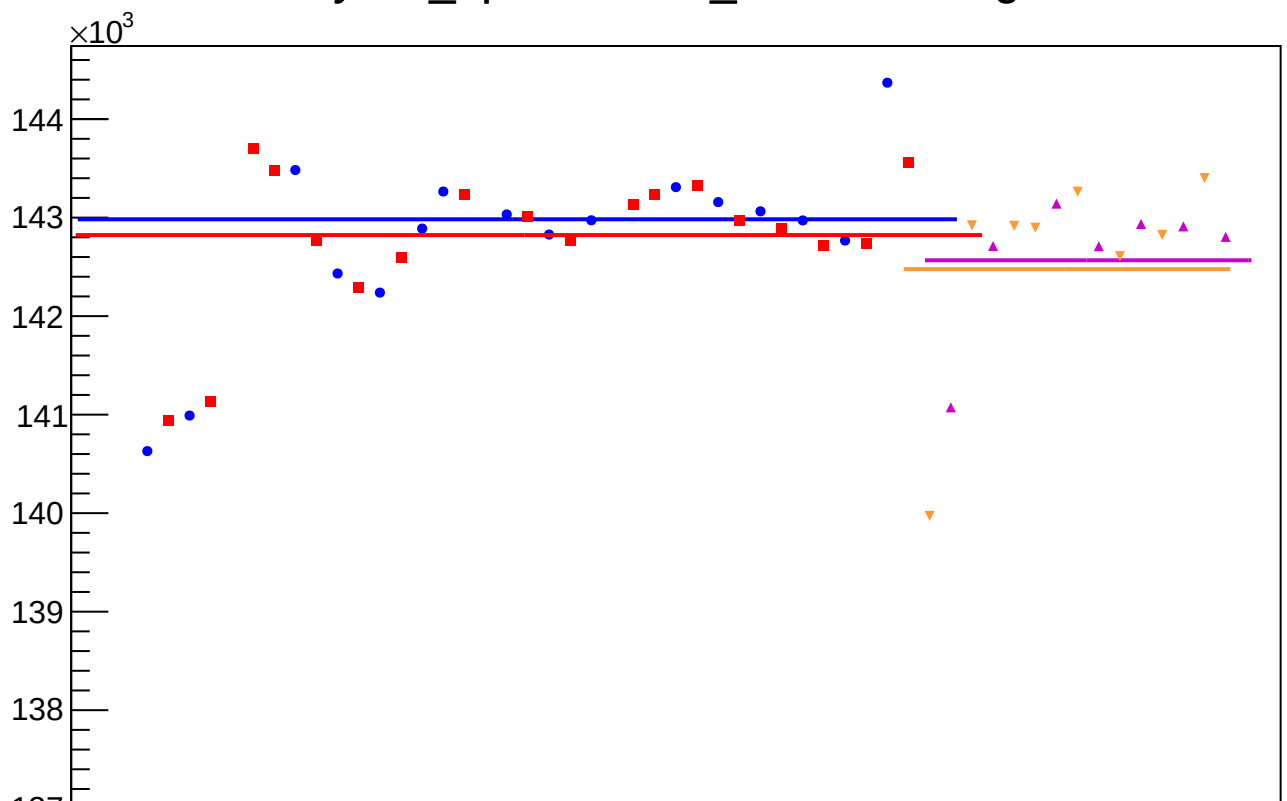
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 220.164+/-0.064 χ^2/NDF:201993.2/6

+ sign 189.138+/-0.038 χ^2/NDF: 1569525.0/23

All: 185.314+/-0.027 χ^2/NDF: 3629721.9/49

- sign 181.774+/-0.037 χ^2/NDF: 2041066.0/25



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142477.436+/-0.082 χ^2/NDF:199569776.4/7

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

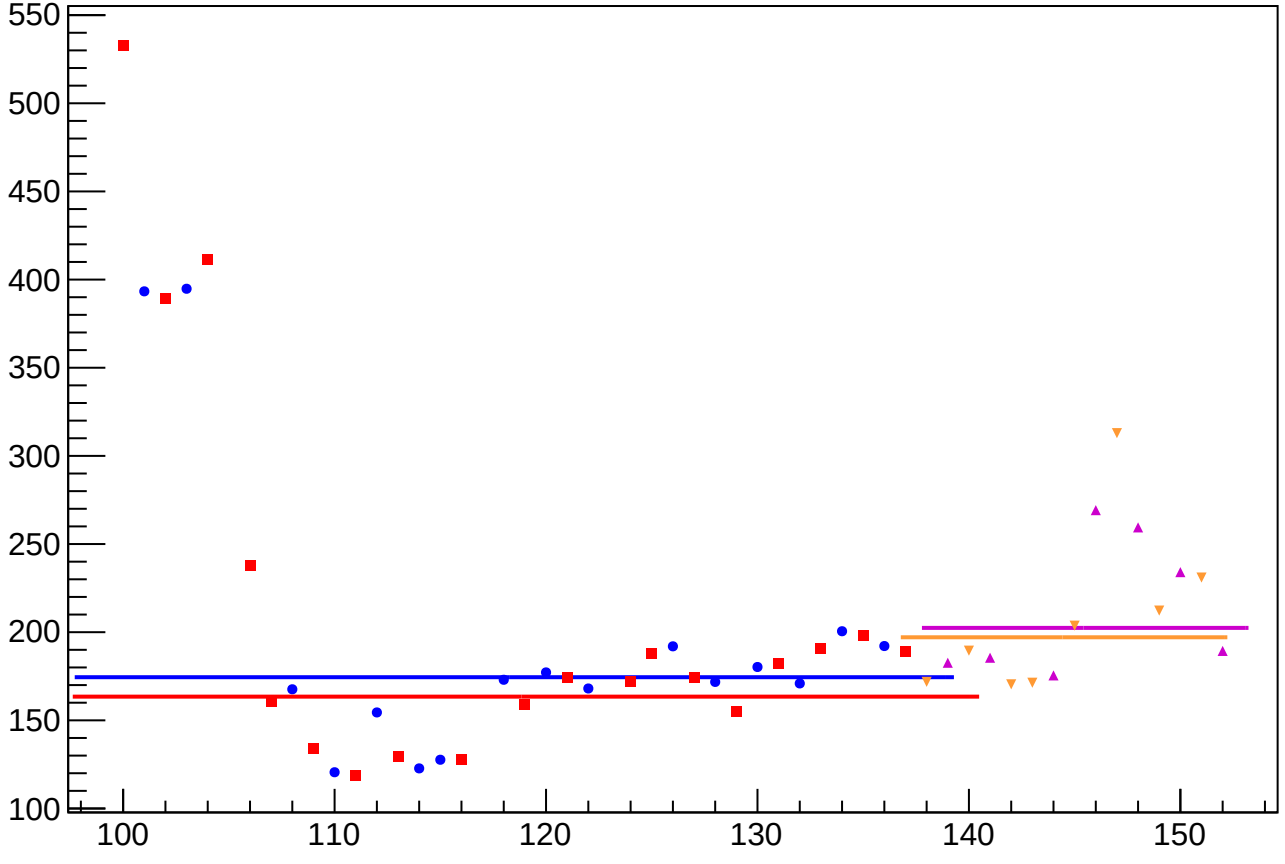
Left In: 142566.718+/-0.084 χ^2/NDF:70879138.6/6

+ sign 142771.761+/-0.053 χ^2/NDF: 329626447.7/2

All: 142749.274+/-0.037 χ^2/NDF: 47033144

- sign 142728.340+/-0.051 χ^2/NDF: 140353838.0/25

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 197.108+/-0.058 χ^2/NDF:361589.3/7

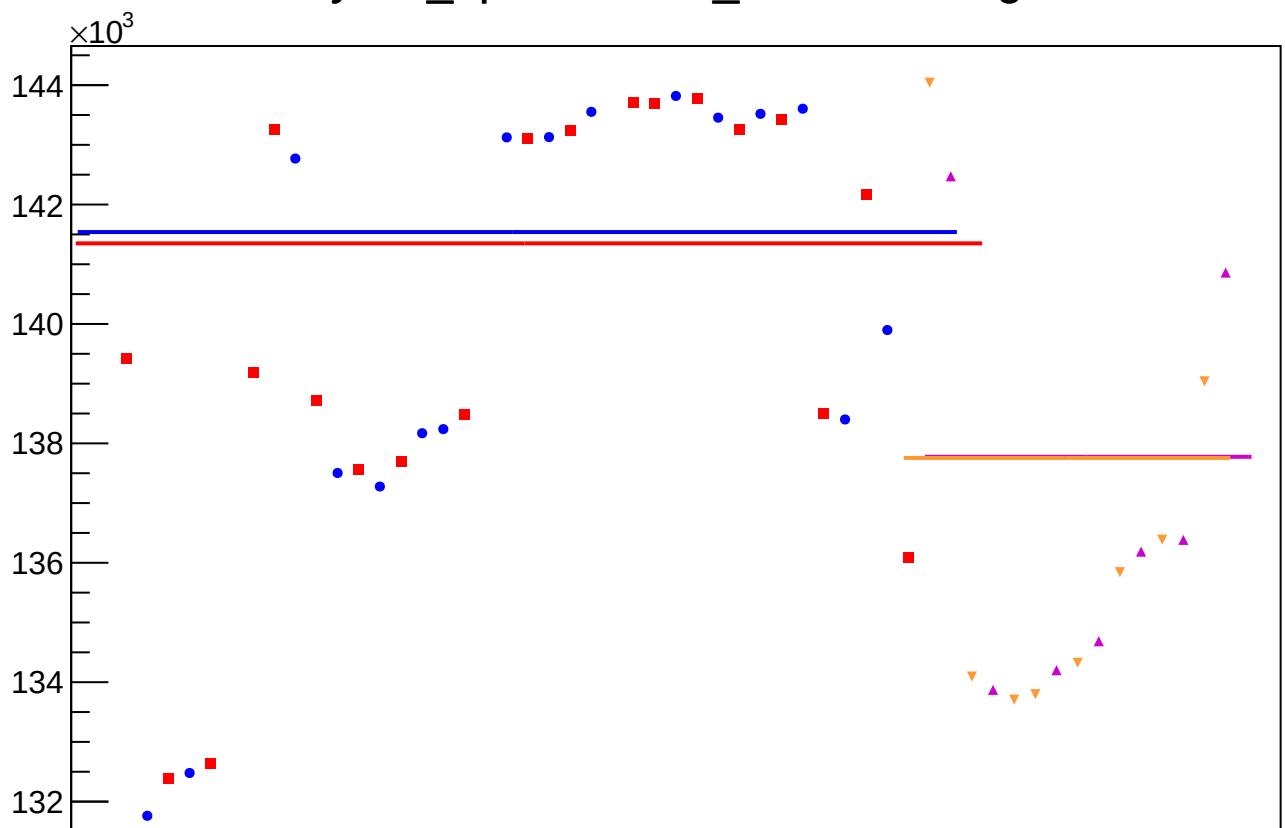
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 202.441+/-0.059 χ^2/NDF:301118.6/6

+ sign 183.927+/-0.037 χ^2/NDF: 1500401.7/23

All: 180.767+/-0.026 χ^2/NDF: 3371330.3/49

- sign 177.824+/-0.036 χ^2/NDF: 1857056.1/25



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 137755.961+/-0.128 χ^2/NDF:1076115743.4/7

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

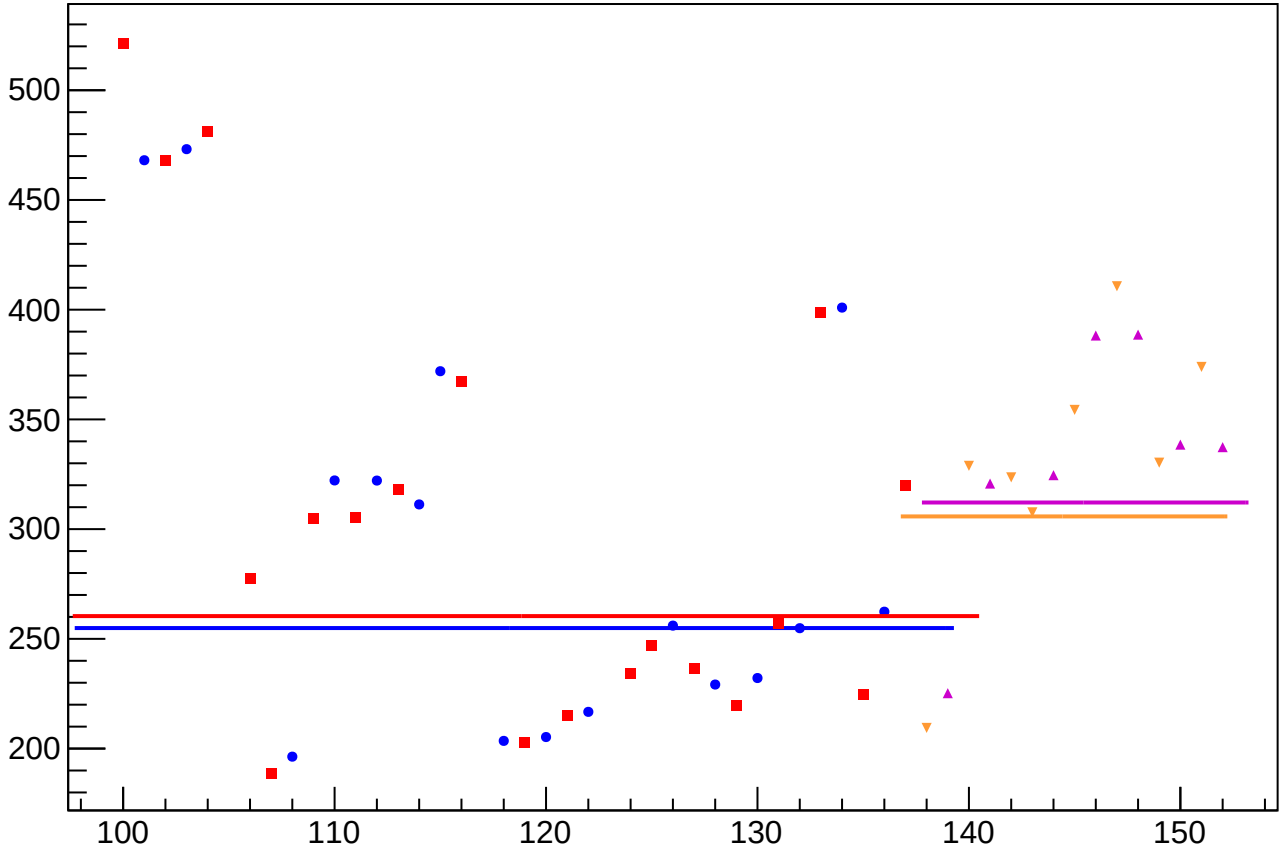
Left In: 137775.242+/-0.131 χ^2/NDF:731737247.8/6

+ sign 140095.306+/-0.079 χ^2/NDF: 2561507135.1

All: 140056.804+/-0.056 χ^2/NDF: 46865690

- sign 140017.549+/-0.080 χ^2/NDF: 2124585477.5/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 305.791+/-0.091 χ^2/NDF:526941.7/7

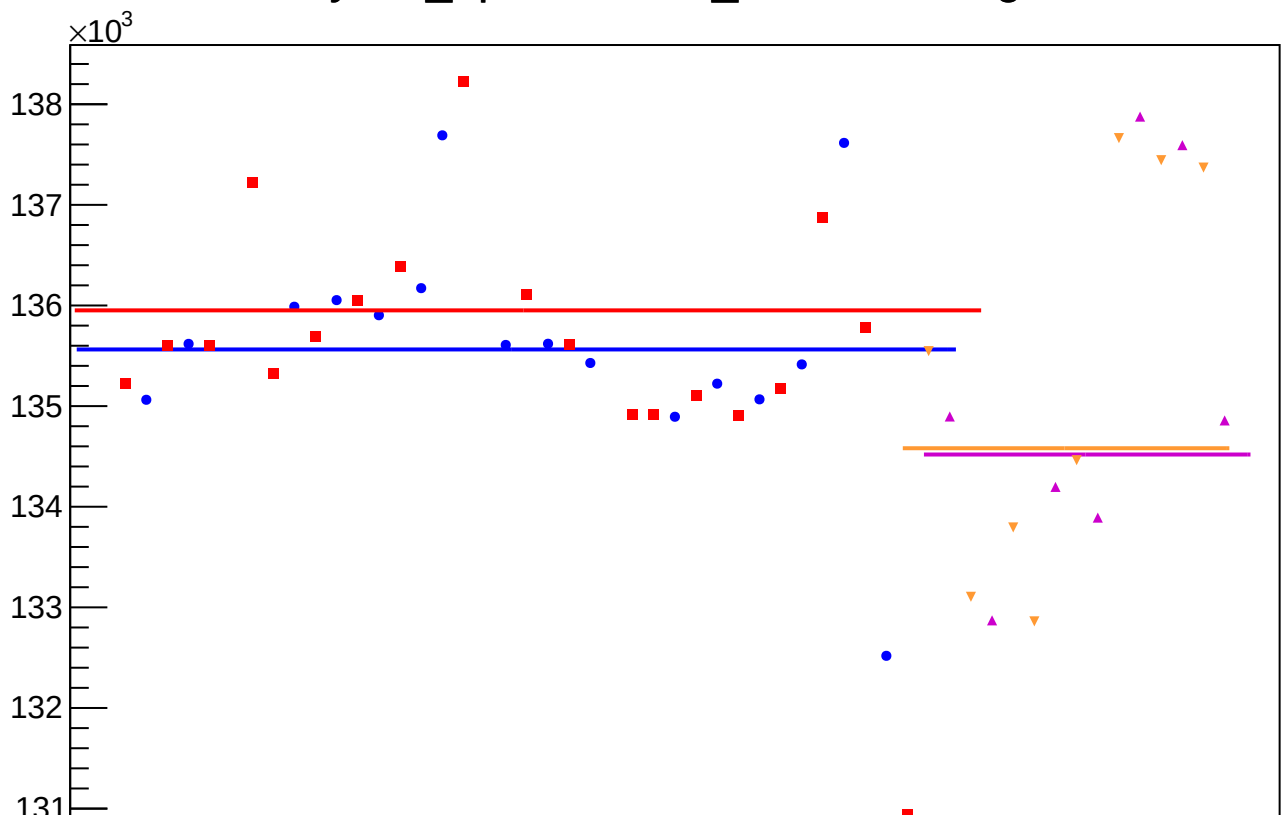
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 312.131+/-0.093 χ^2/NDF:390841.0/6

+ sign 274.337+/-0.056 χ^2/NDF: 1671289.5/23

All: 276.972+/-0.040 χ^2/NDF: 3255442.1/49

- sign 279.658+/-0.057 χ^2/NDF: 1579689.9/25



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134581.339+/-0.093 χ^2/NDF:306280363.3/7

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

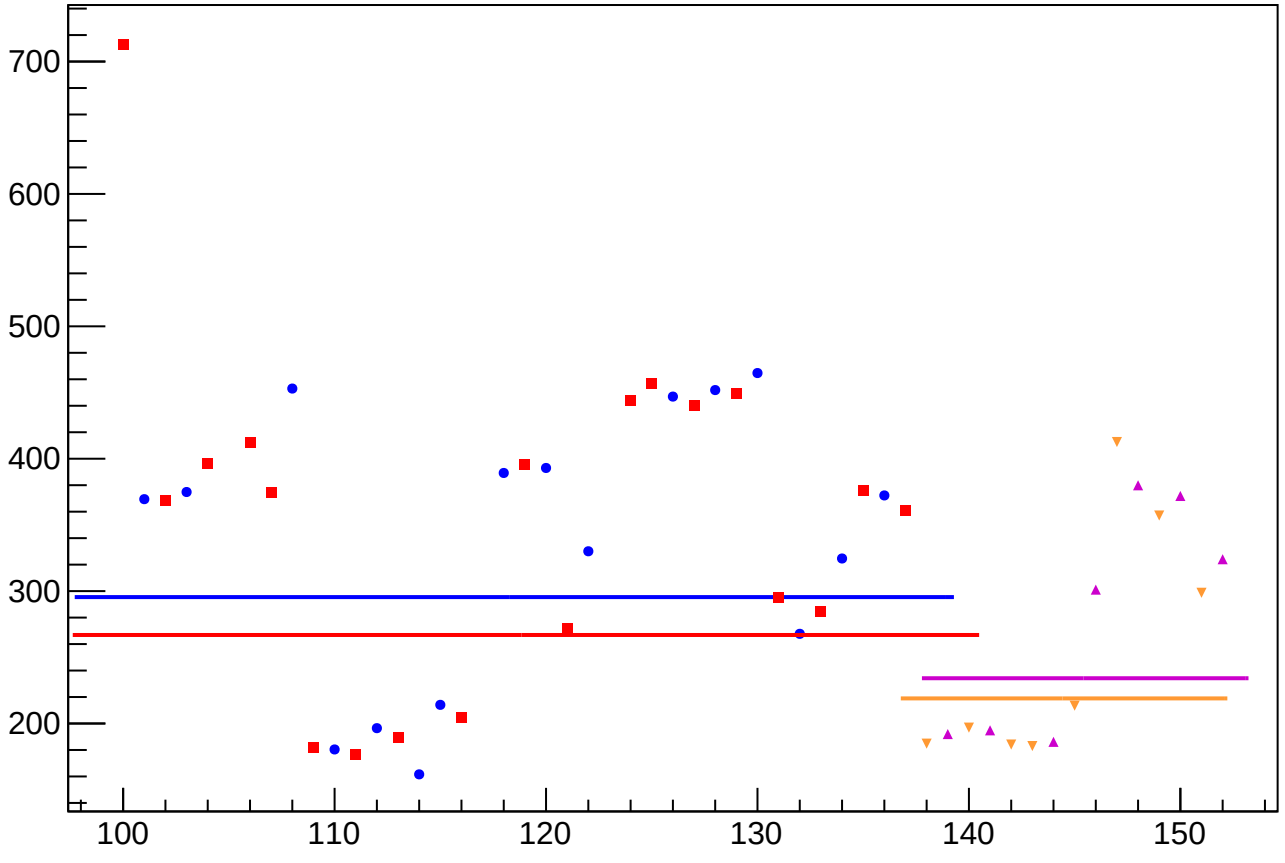
Left In: 134518.943+/-0.100 χ^2/NDF:196181703.0/6

+ sign 134958.476+/-0.073 χ^2/NDF: 442821957.5/2

All: 135076.587+/-0.052 χ^2/NDF: 831738547

- sign 135193.490+/-0.073 χ^2/NDF: 383758247.5/2

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 218.955+/-0.066 χ^2/NDF:885654.6/7

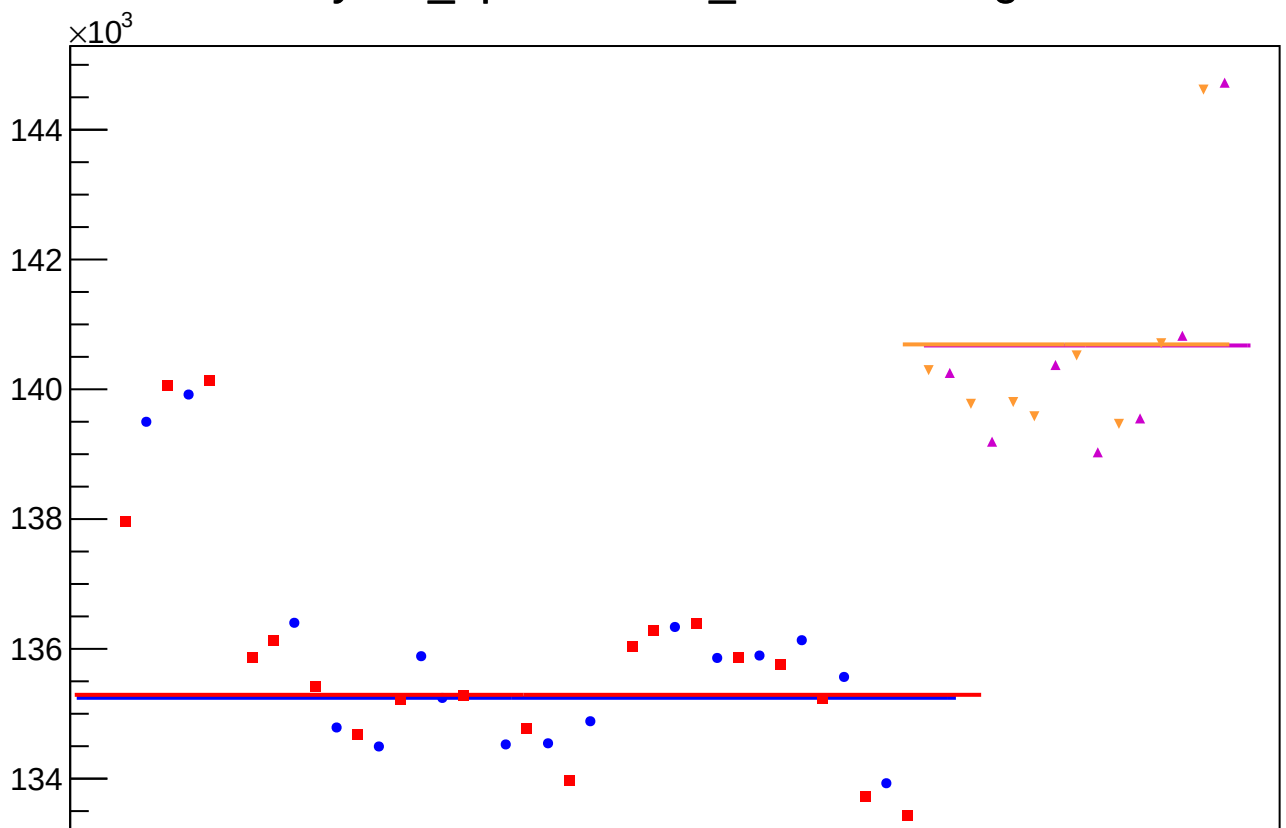
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 234.189+/-0.071 χ^2/NDF:963723.4/6

+ sign 248.353+/-0.052 χ^2/NDF: 2843120.3/23

All: 248.967+/-0.037 χ^2/NDF: 5585081.9/49

- sign 249.575+/-0.052 χ^2/NDF: 2741683.0/25



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 140691.817+/-0.079 χ^2/NDF:449723757.8/7

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

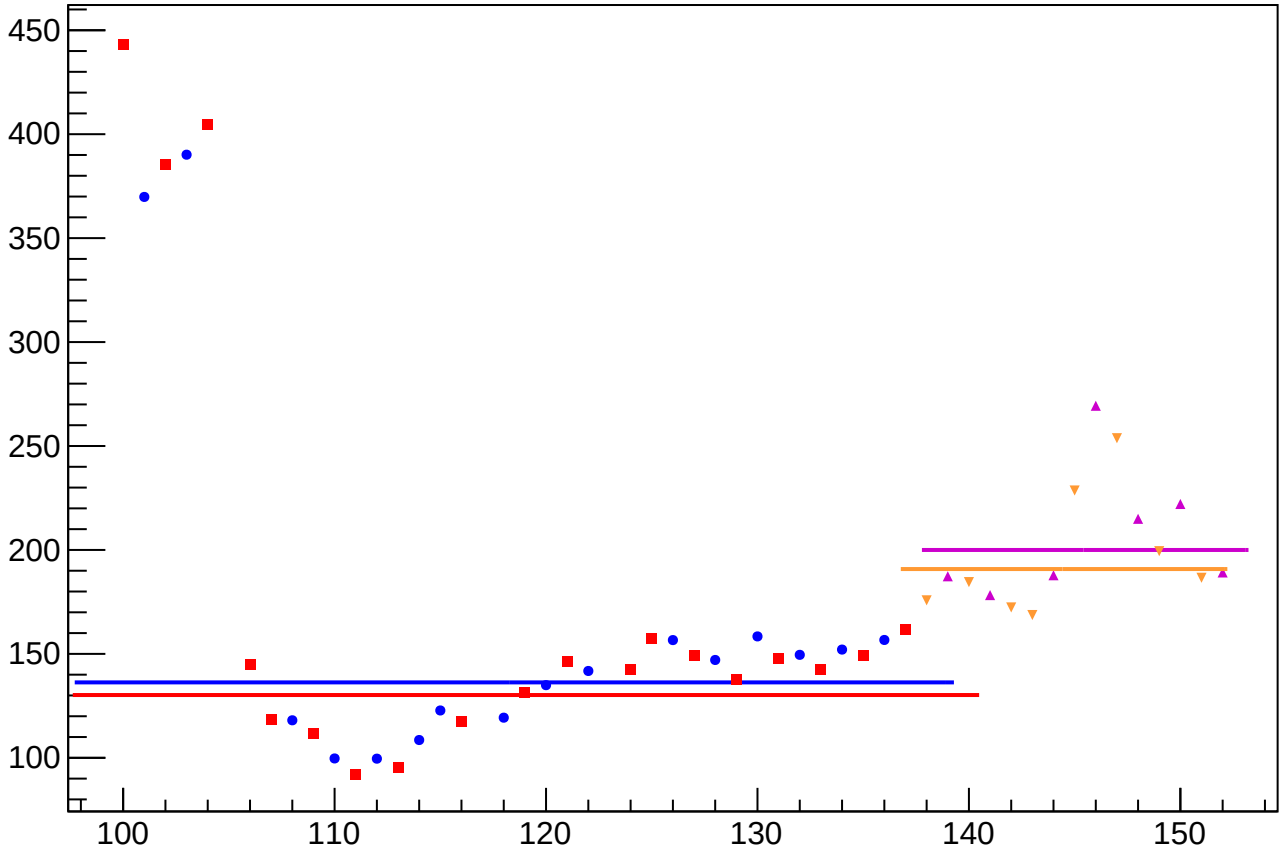
Left In: 140675.471+/-0.083 χ^2/NDF:502570083.4/6

+ sign 137020.258+/-0.045 χ^2/NDF: 4064163132.8

All: 136910.653+/-0.031 χ^2/NDF: 80043221

- sign 136806.163+/-0.044 χ^2/NDF: 3928536255.5/

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 190.811+/-0.056 χ^2/NDF:192456.8/7

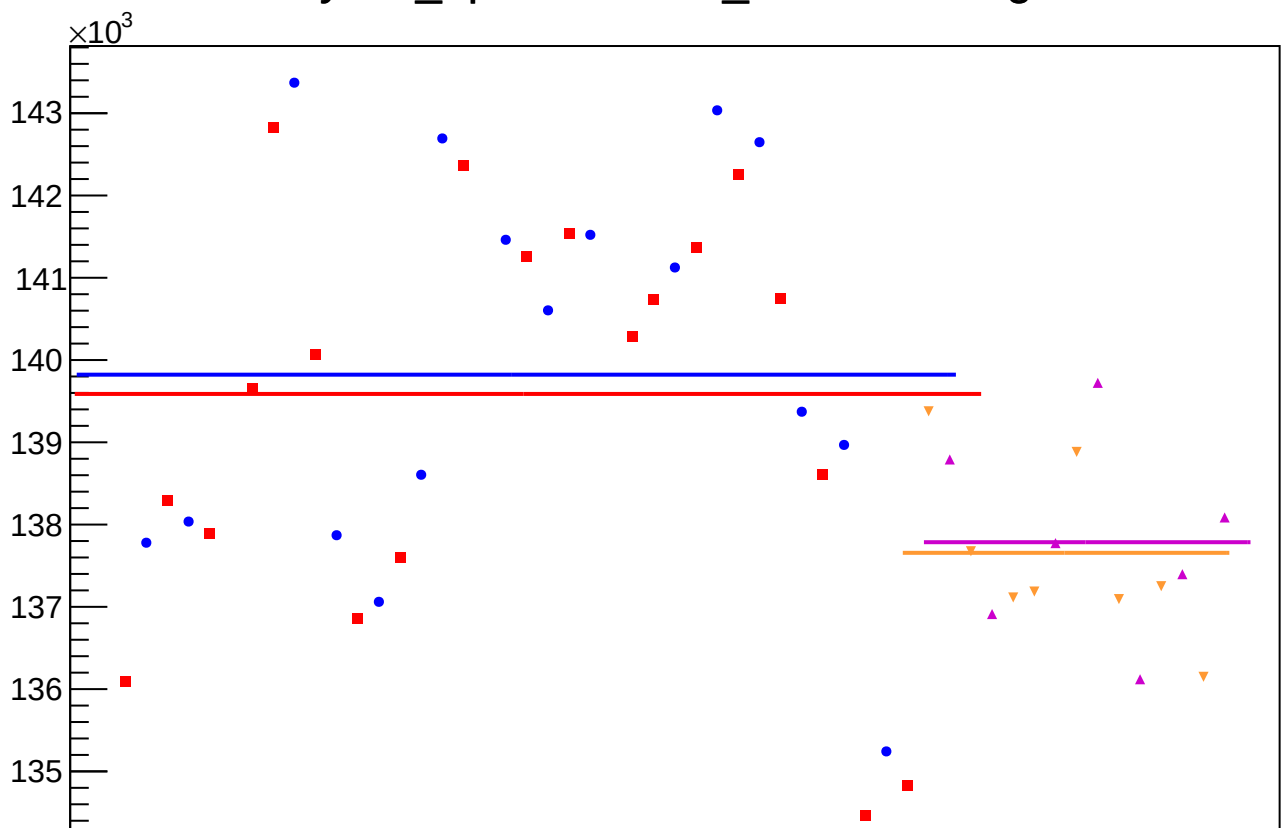
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 199.988+/-0.058 χ^2/NDF:182767.5/6

+ sign 154.048+/-0.032 χ^2/NDF: 2223391.4/23

All: 151.891+/-0.022 χ^2/NDF: 4958924.7/49

- sign 149.834+/-0.031 χ^2/NDF: 2726529.9/25



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137656.593+/-0.080 χ^2/NDF:164620006.1/7

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

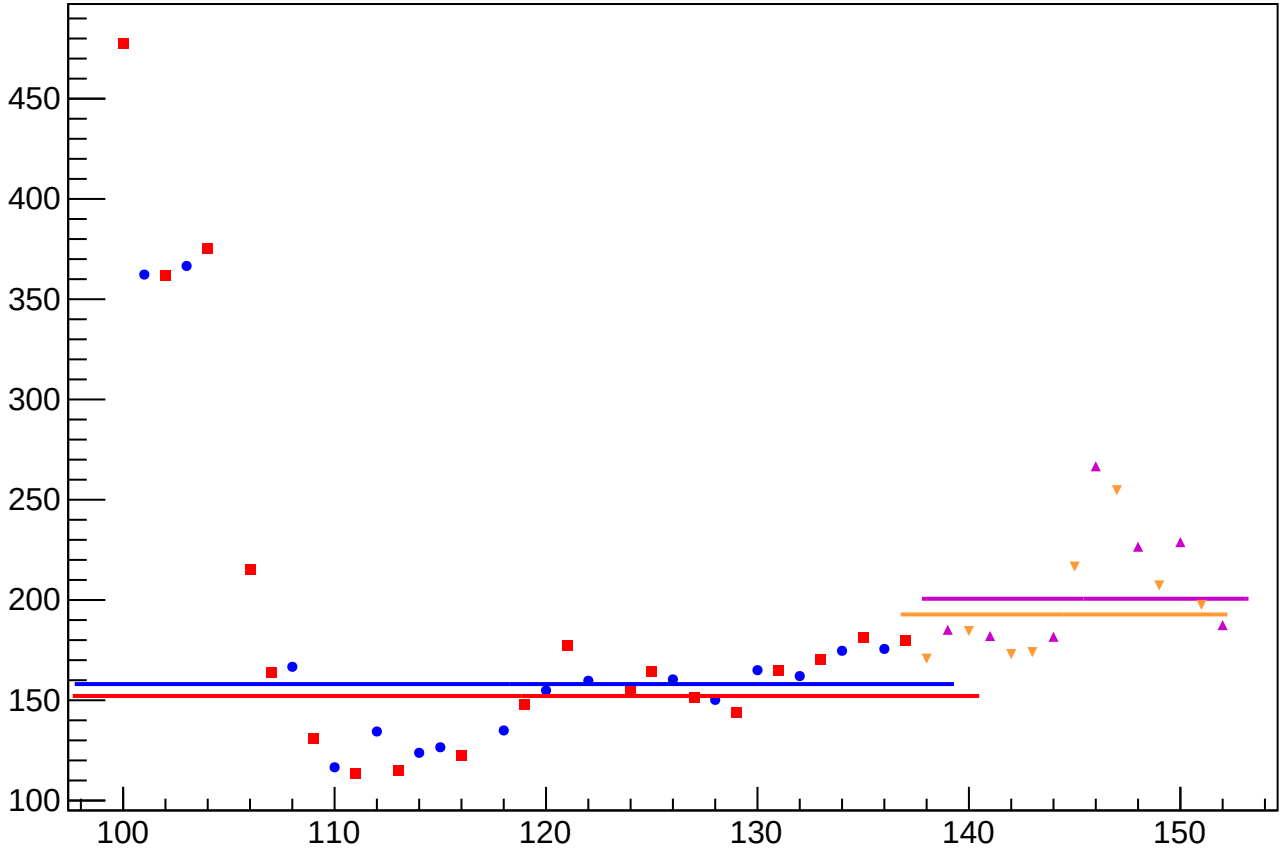
Left In: 137785.697+/-0.083 χ^2/NDF:137655907.8/6

+ sign 138995.087+/-0.049 χ^2/NDF: 2285146153.2

All: 138984.775+/-0.035 χ^2/NDF: 42155750

- sign 138974.752+/-0.049 χ^2/NDF: 1930342292.3/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 192.802+/-0.056 χ^2/NDF:180623.6/7

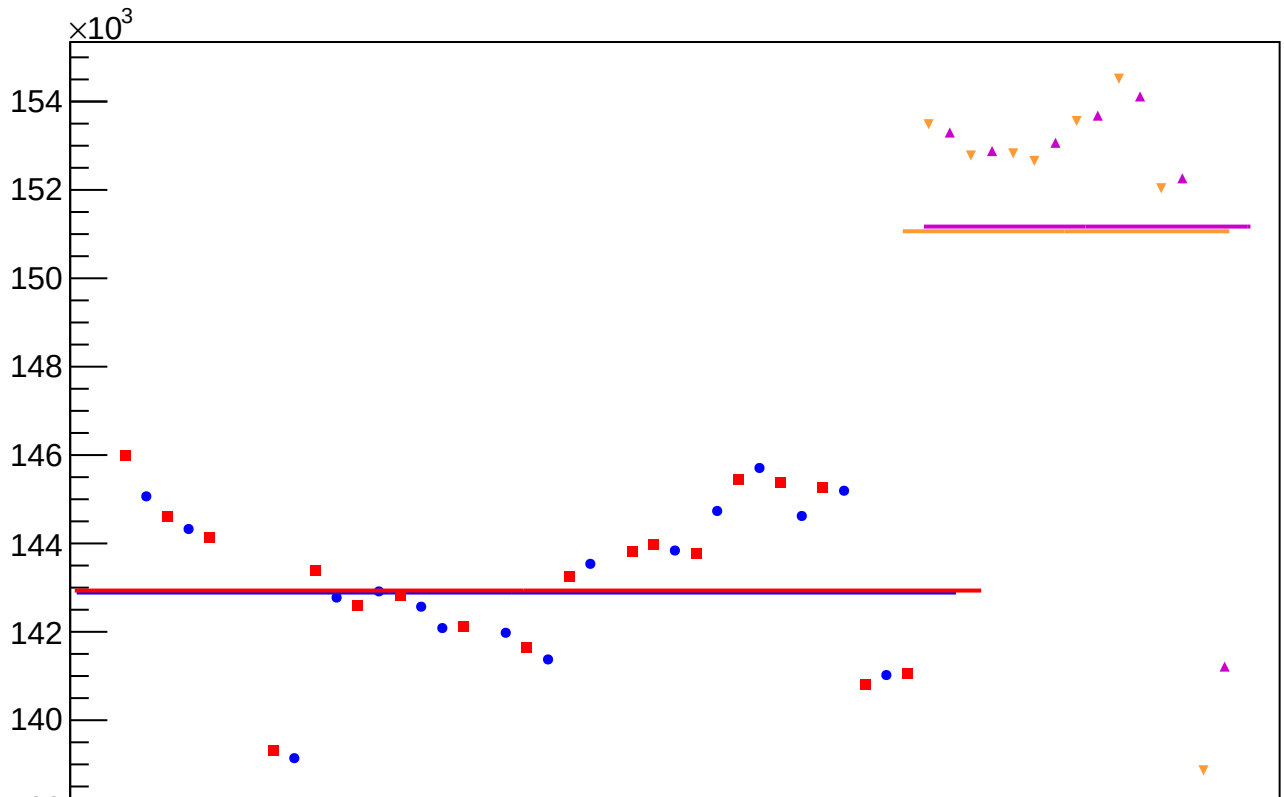
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 200.626+/-0.059 χ^2/NDF:210411.5/6

+ sign 171.340+/-0.035 χ^2/NDF: 1433621.6/23

All: 169.968+/-0.024 χ^2/NDF: 3324591.9/49

- sign 168.635+/-0.034 χ^2/NDF: 1887904.5/25



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 151064.077+/-0.080 χ^2/NDF:3807317702.6/7

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

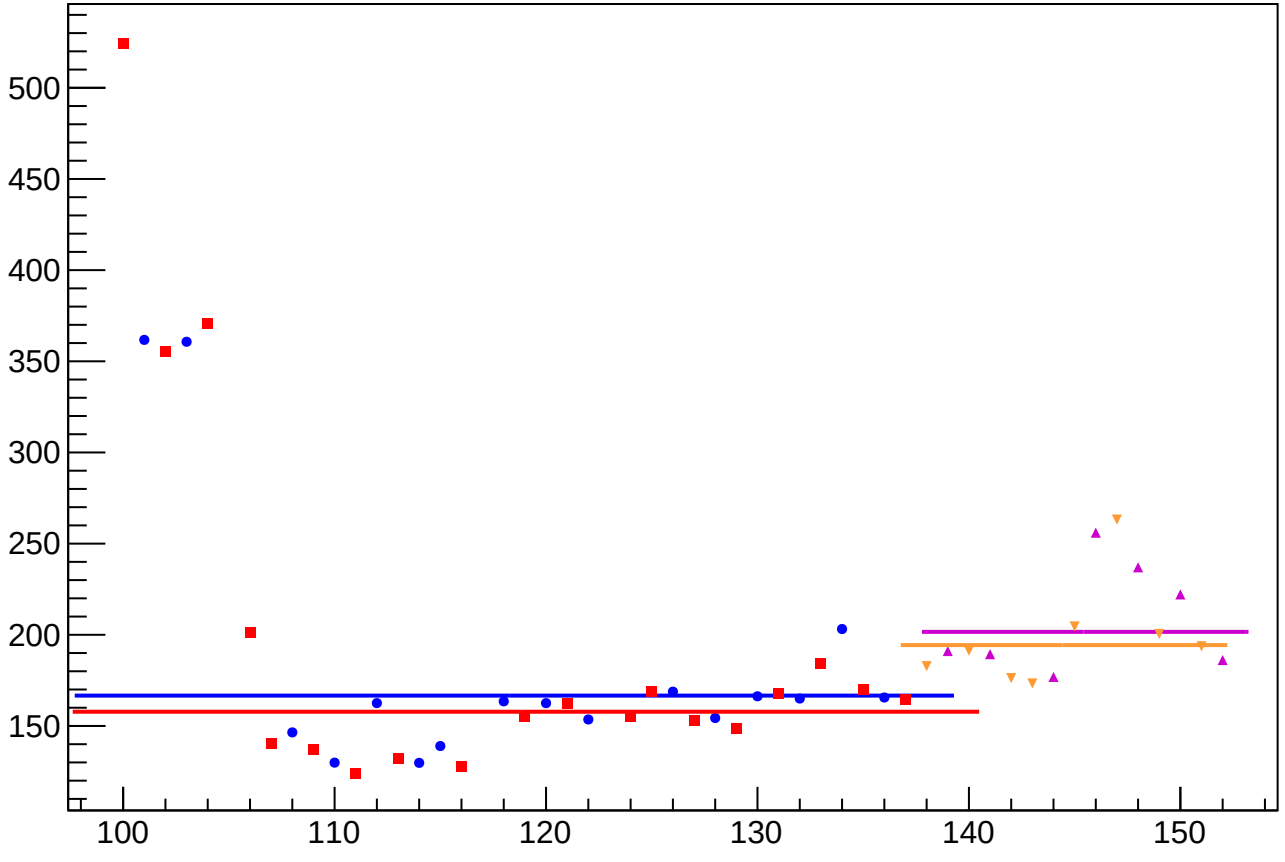
Left In: 151170.077+/-0.083 χ^2/NDF:2878942299.5/6

+ sign 146184.986+/-0.051 χ^2/NDF: 10814816406.2

All: 146012.500+/-0.035 χ^2/NDF: 20843178

- sign 145848.619+/-0.049 χ^2/NDF: 10005831431.1

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 194.351+/-0.057 χ^2/NDF:155649.0/7

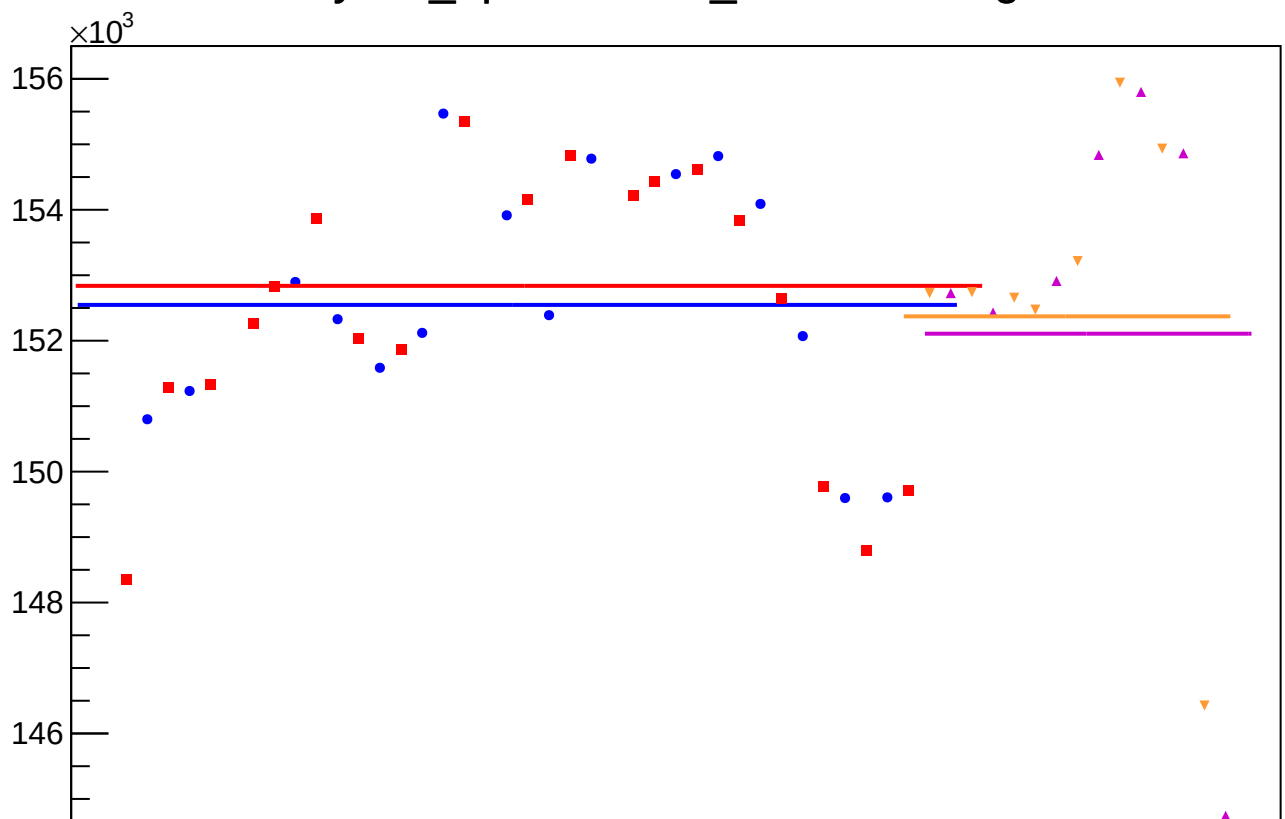
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 201.606+/-0.059 χ^2/NDF:187796.9/6

+ sign 177.822+/-0.036 χ^2/NDF: 1162563.3/23

All: 175.507+/-0.025 χ^2/NDF: 2739327.8/49

- sign 173.308+/-0.035 χ^2/NDF: 1568652.2/25



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152371.796+/-0.080 χ^2/NDF:1012462009.5/7

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

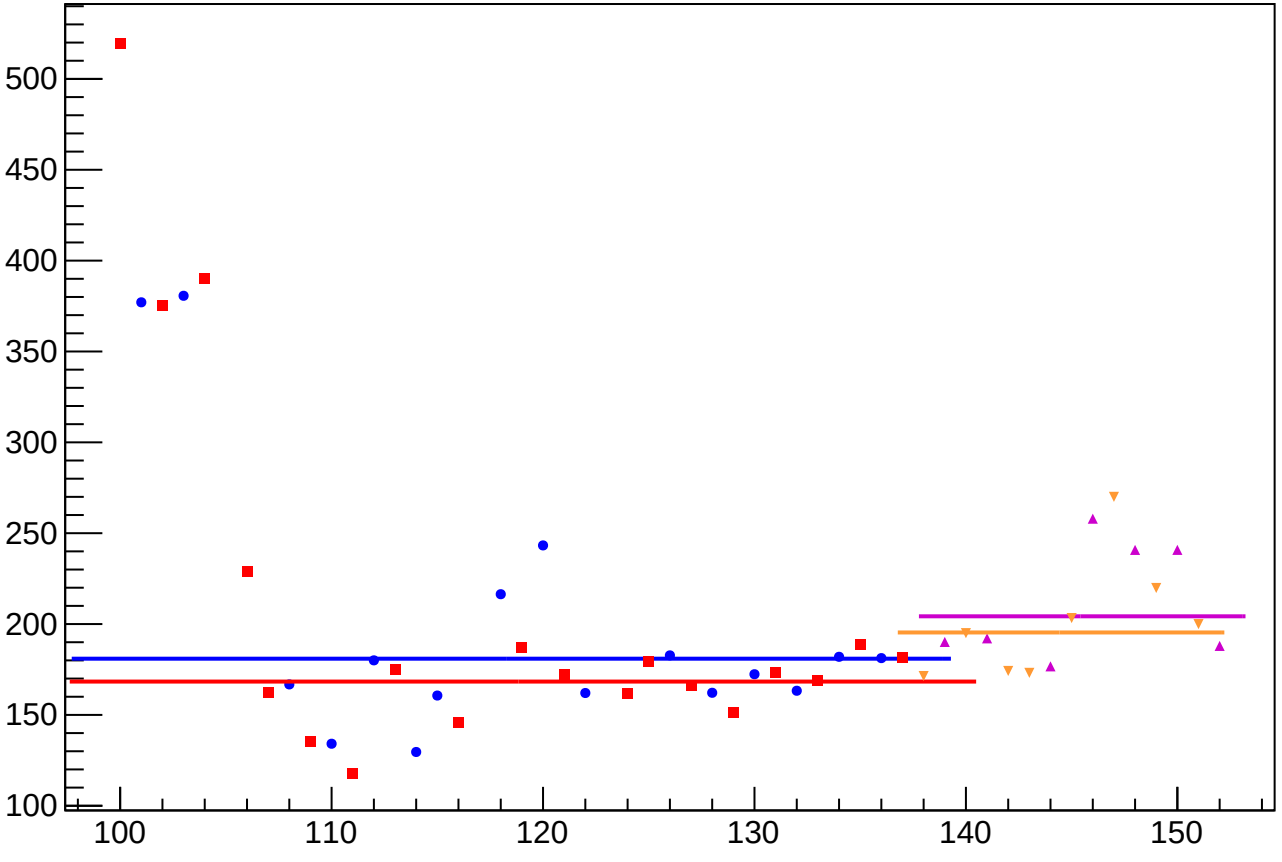
Left In: 152107.141+/-0.084 χ^2/NDF:1717968798.6/6

+ sign 152468.046+/-0.054 χ^2/NDF: 1669621124.5

All: 152513.505+/-0.038 χ^2/NDF: 41721815

- sign 152556.348+/-0.052 χ^2/NDF: 2501175515.7/

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.372+/-0.057 χ^2/NDF:217147.7/7

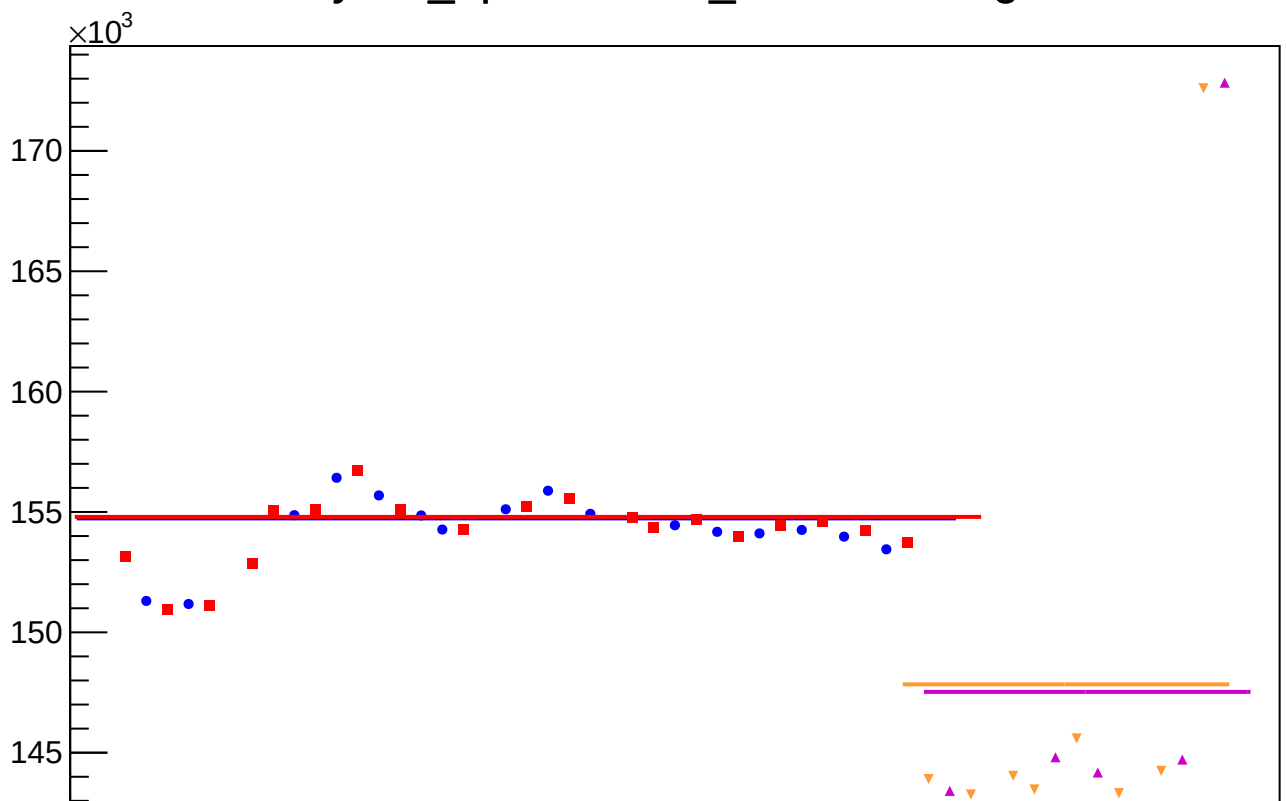
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 204.264+/-0.060 χ^2/NDF:225774.3/6

+ sign 187.438+/-0.038 χ^2/NDF: 1160489.7/23

All: 184.735+/-0.027 χ^2/NDF: 2708834.9/49

- sign 182.186+/-0.037 χ^2/NDF: 1538547.2/25



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 147839.744+/-0.073 χ^2/NDF:18765146321.077

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

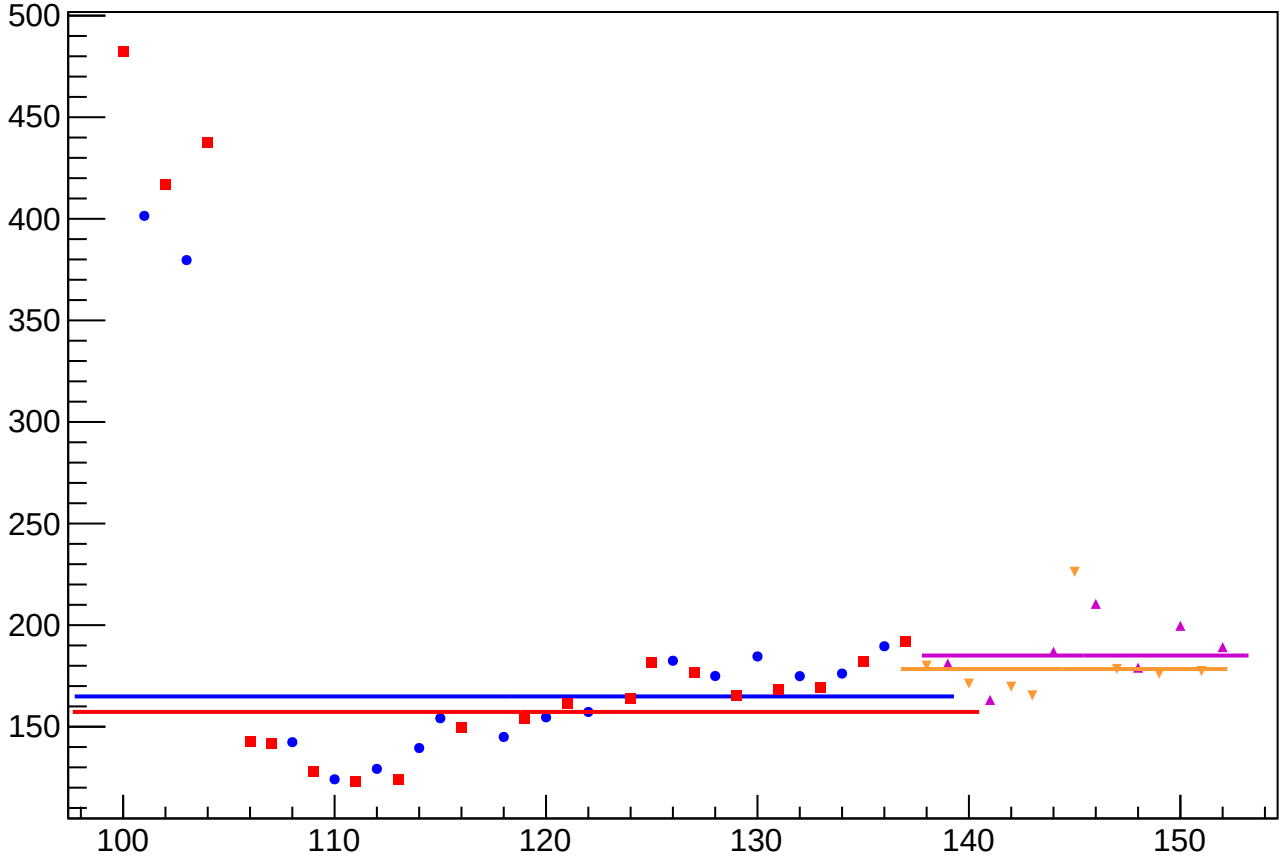
Left In: 147525.707+/-0.075 χ^2/NDF:17733481984.3/6

+ sign 151656.654+/-0.049 χ^2/NDF: 24029143763.

All: 151791.345+/-0.034 χ^2/NDF: 476882123

- sign 151920.346+/-0.047 χ^2/NDF: 23643977331.7

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 178.398+/-0.051 χ^2/NDF:87438.3/7

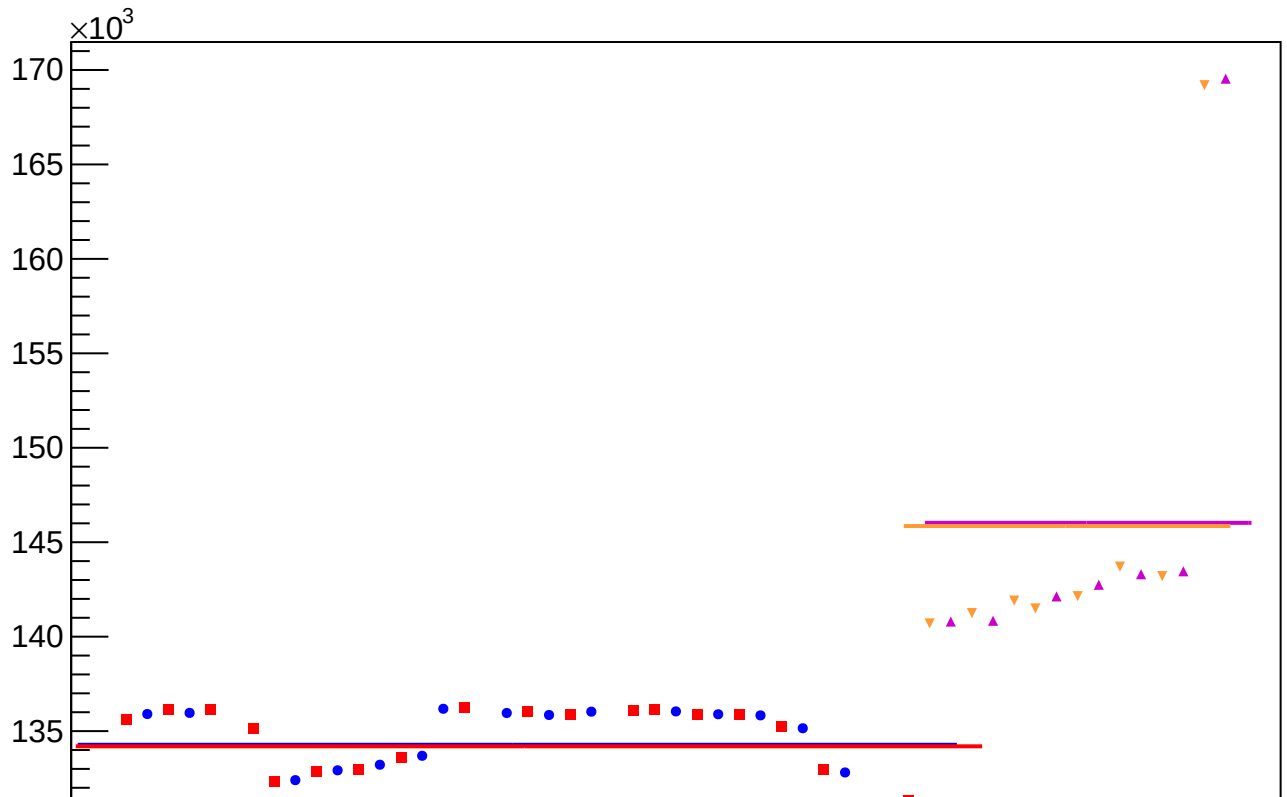
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 185.041+/-0.053 χ^2/NDF:70046.5/6

+ sign 170.927+/-0.034 χ^2/NDF: 1198391.3/23

All: 169.566+/-0.024 χ^2/NDF: 2689802.7/49

- sign 168.262+/-0.034 χ^2/NDF: 1488327.1/25



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 145856.475+/-0.071 χ^2/NDF:17643401566.0/7

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

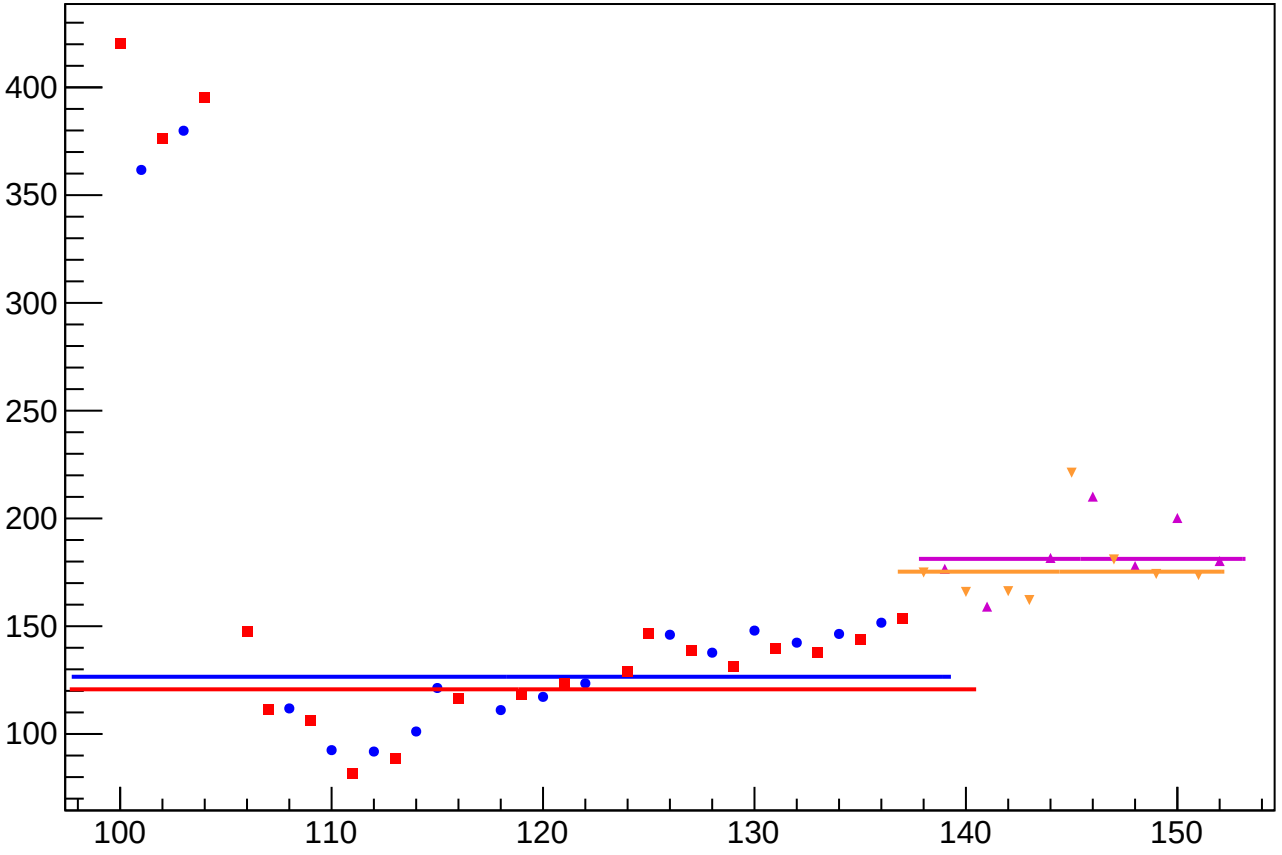
Left In: 146025.389+/-0.074 χ^2/NDF:17081370348.6/6

+ sign 138167.316+/-0.041 χ^2/NDF: 36230356681.2

All: 137921.462+/-0.029 χ^2/NDF: 72544047

- sign 137688.992+/-0.040 χ^2/NDF: 36245129000.5

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 175.309+/-0.051 χ^2/NDF:89377.1/7

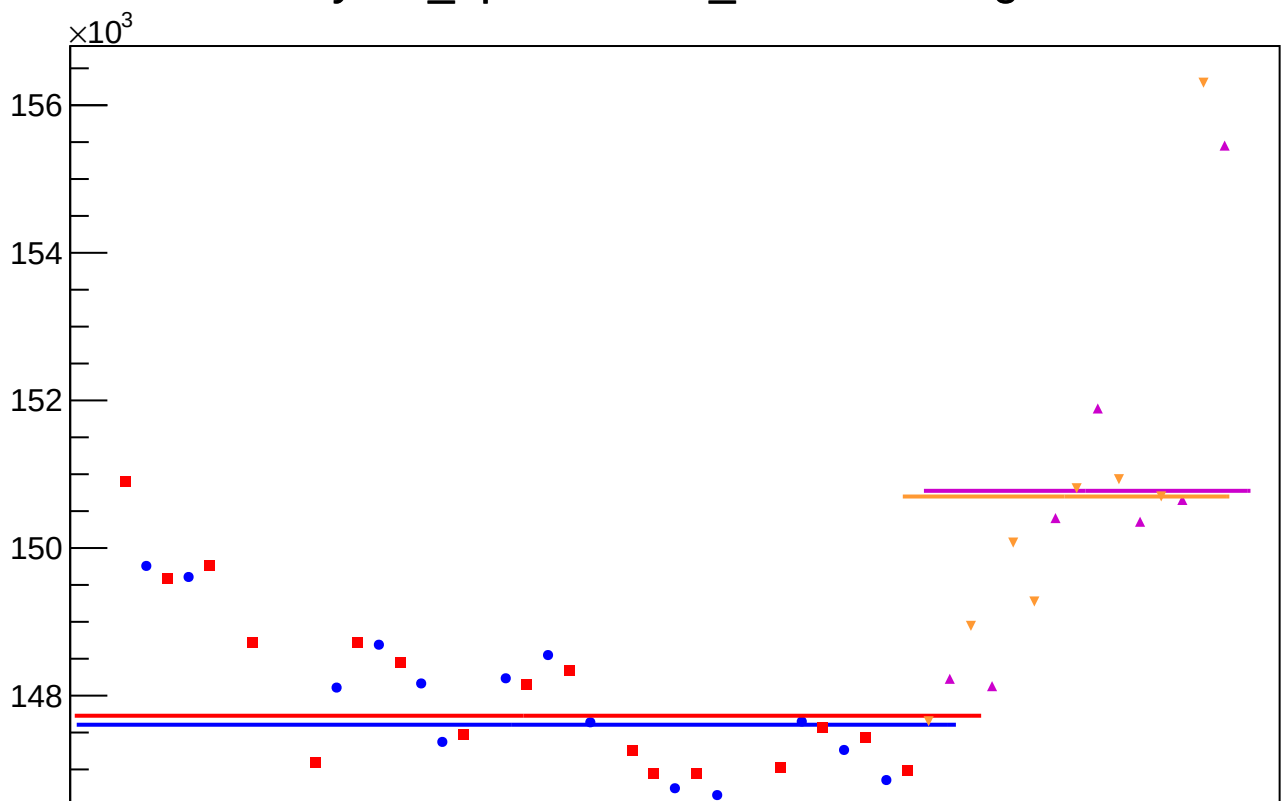
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 181.244+/-0.052 χ^2/NDF:84367.1/6

+ sign 142.935+/-0.029 χ^2/NDF: 2185298.3/23

All: 140.705+/-0.020 χ^2/NDF: 4853650.0/49

- sign 138.596+/-0.028 χ^2/NDF: 2657071.4/25



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 150697.940+/-0.086 χ^2/NDF:963681436.6/7

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

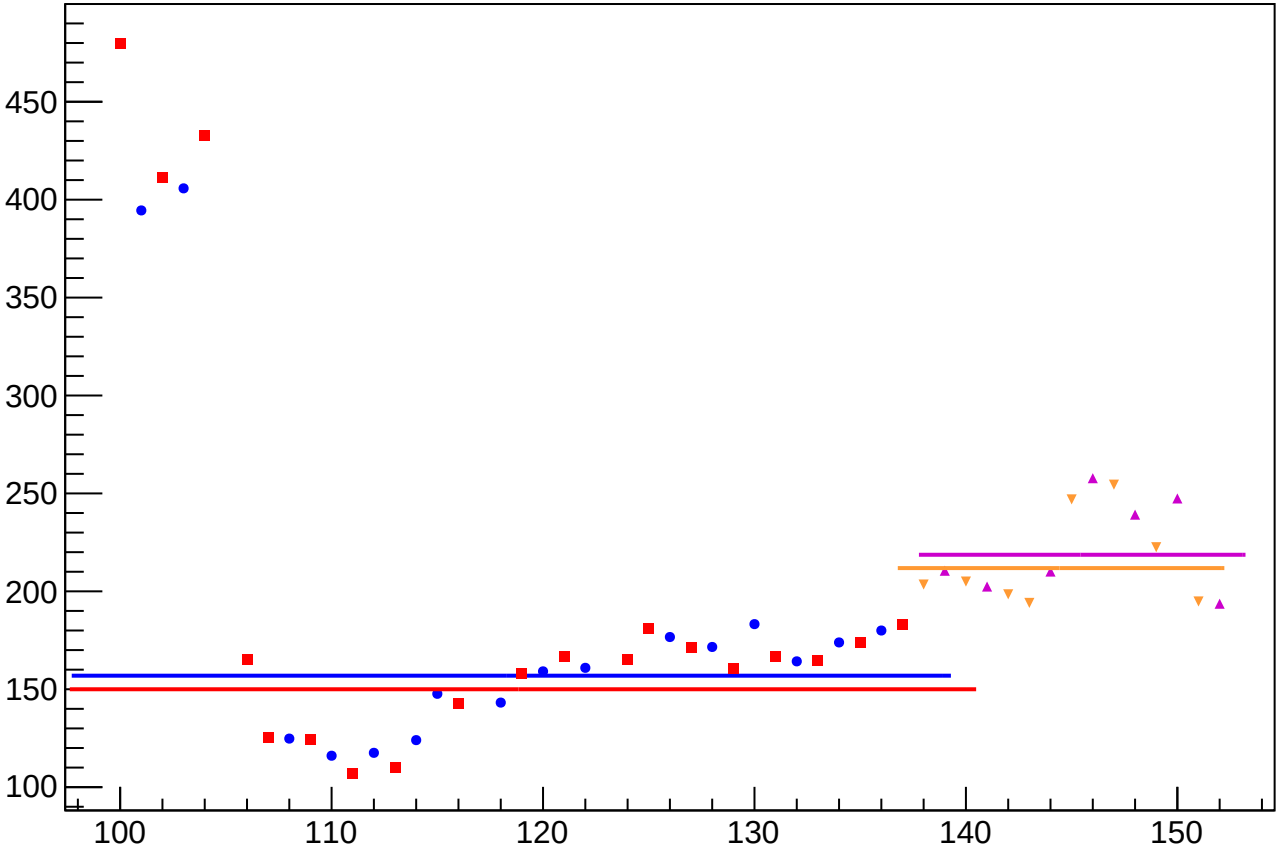
Left In: 150775.074+/-0.089 χ^2/NDF:785349167.7/6

+ sign 148668.073+/-0.051 χ^2/NDF: 2005983203.2/

All: 148658.917+/-0.035 χ^2/NDF: 37958080

- sign 148650.263+/-0.049 χ^2/NDF: 1789761180.0/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 211.869+/-0.061 χ^2/NDF:116544.3/7

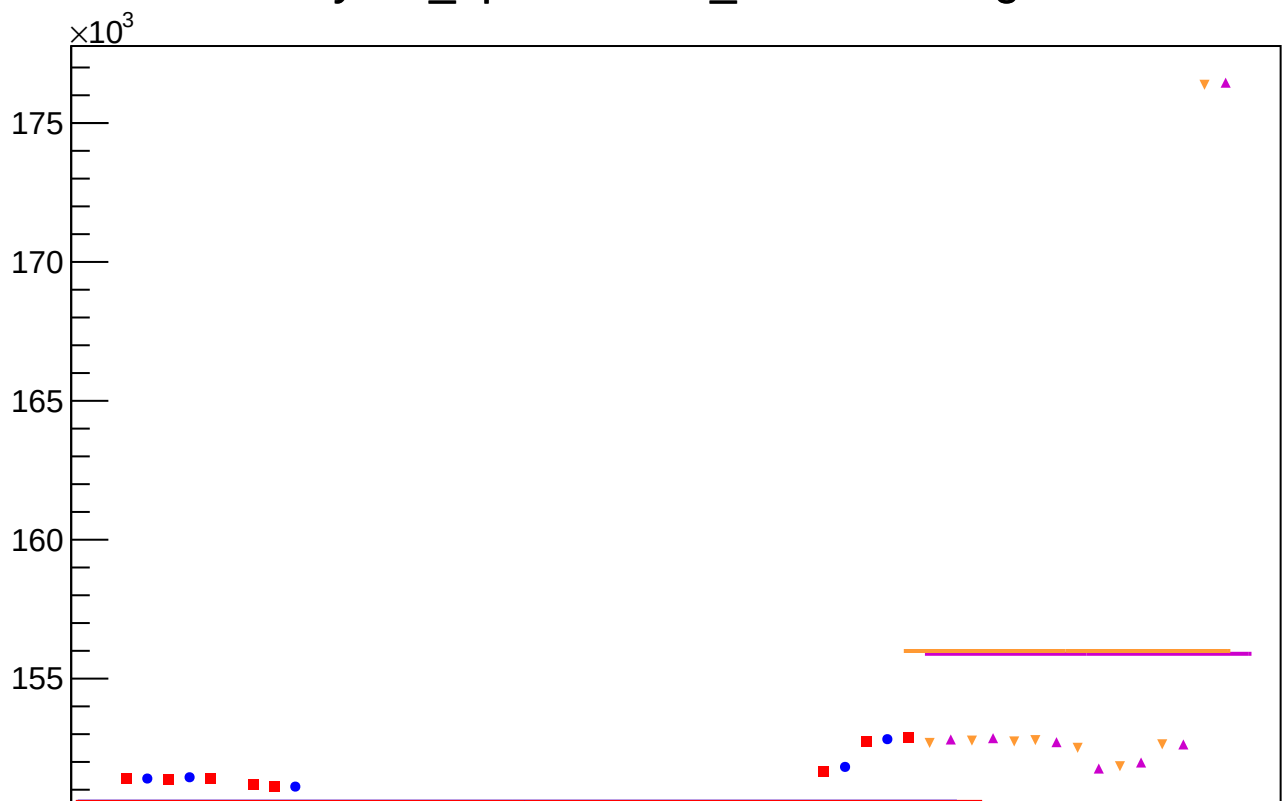
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 218.675+/-0.063 χ^2/NDF:121485.6/6

+ sign 175.804+/-0.036 χ^2/NDF: 1913777.9/23

All: 173.225+/-0.025 χ^2/NDF: 4321709.6/49

- sign 170.788+/-0.035 χ^2/NDF: 2397833.2/25



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 155993.916+/-0.071 χ^2/NDF:13933218406.8/7

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

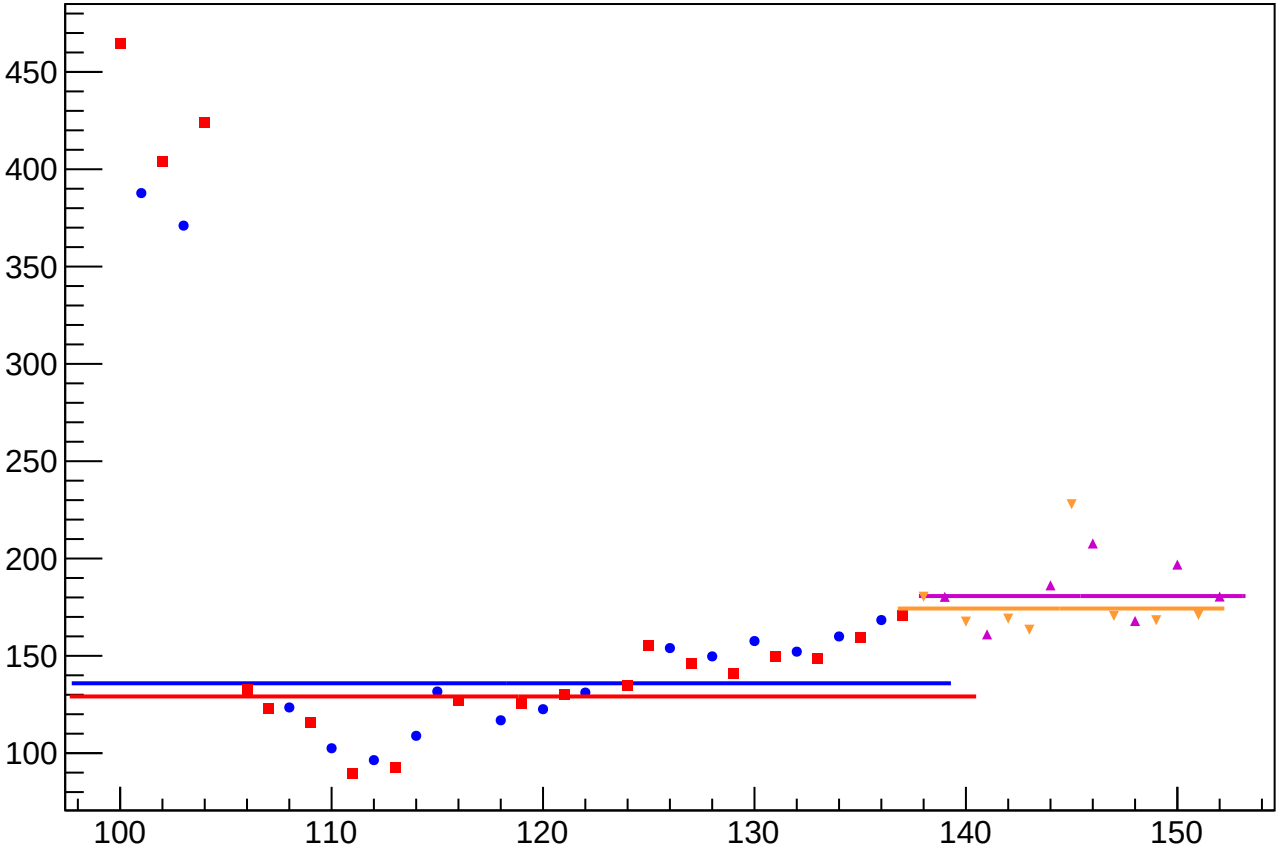
Left In: 155893.330+/-0.074 χ^2/NDF:12883391693.2/6

+ sign 152586.997+/-0.043 χ^2/NDF: 17842067946.

All: 152430.976+/-0.030 χ^2/NDF: 34482104

- sign 152284.409+/-0.042 χ^2/NDF: 16614828100.4

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 174.314+/-0.050 χ^2/NDF:104939.5/7

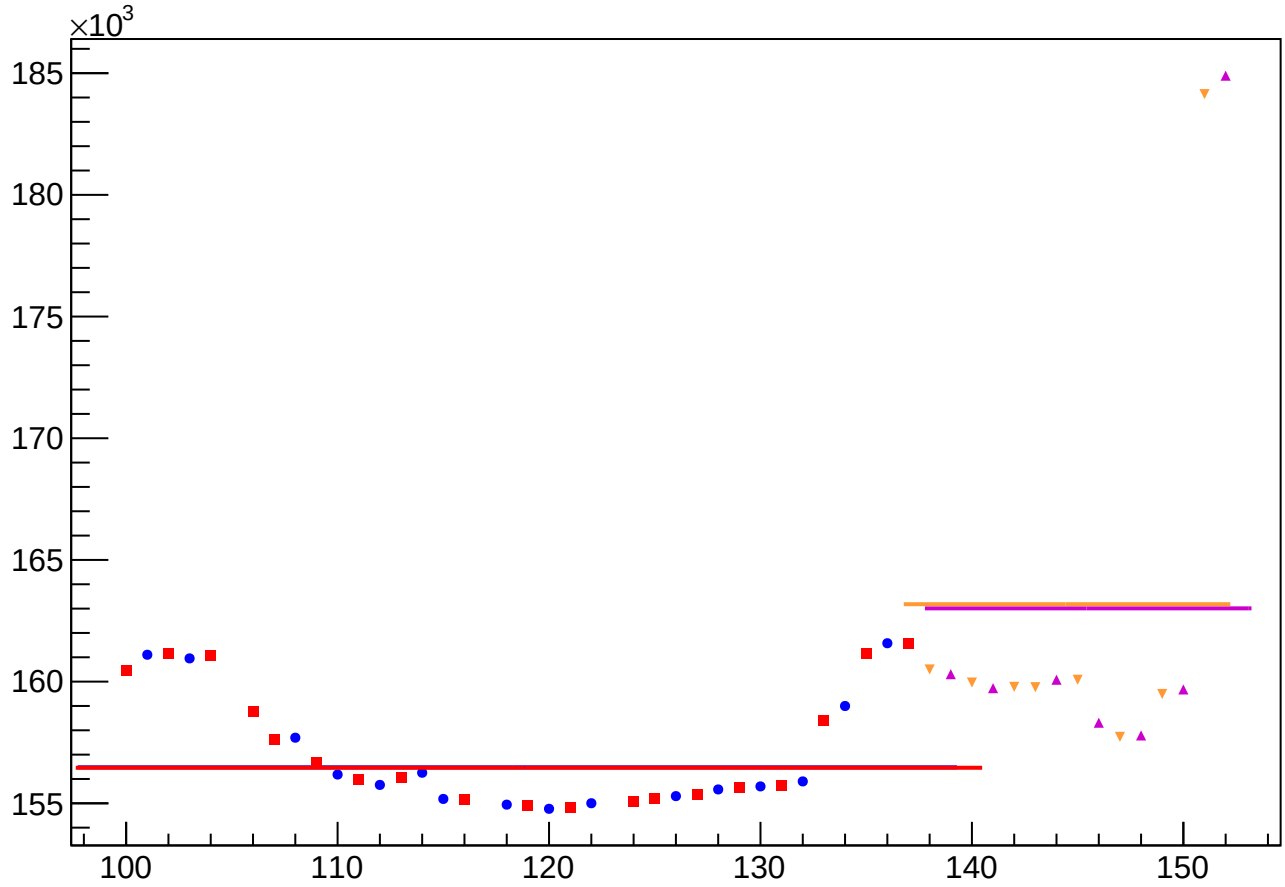
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.713+/-0.052 χ^2/NDF:78700.3/6

+ sign 150.189+/-0.031 χ^2/NDF: 1889503.1/23

All: 147.925+/-0.021 χ^2/NDF: 4254673.7/49

- sign 145.798+/-0.030 χ^2/NDF: 2354553.2/25



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 163180.986+/-0.074 χ^2/NDF:14107467724.077

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

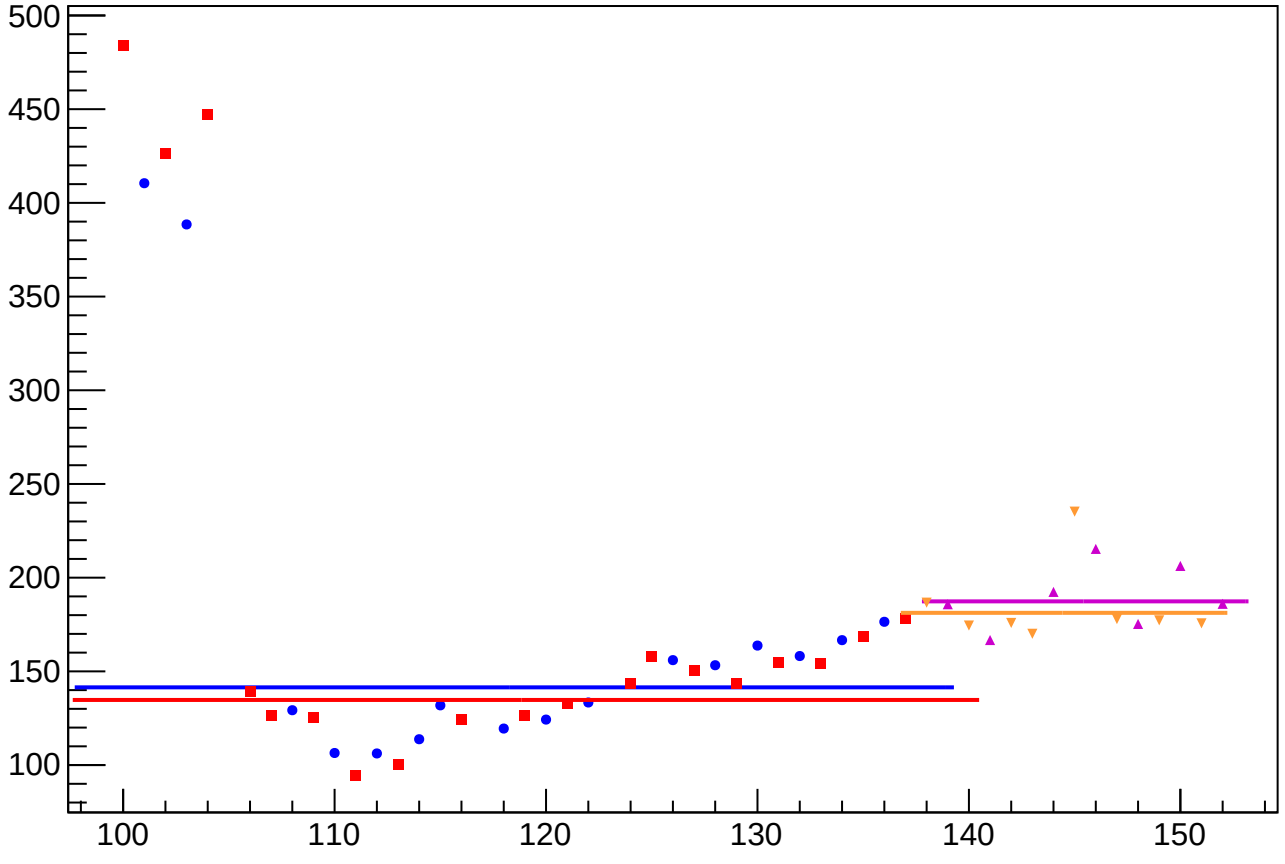
Left In: 163010.485+/-0.077 χ^2/NDF:13867052872.3/6

+ sign 158975.609+/-0.045 χ^2/NDF: 20582594702.

All: 158777.604+/-0.031 χ^2/NDF: 40532854

- sign 158591.428+/-0.044 χ^2/NDF: 19912697738.6

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 181.233+/-0.052 χ^2/NDF:99576.5/7

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

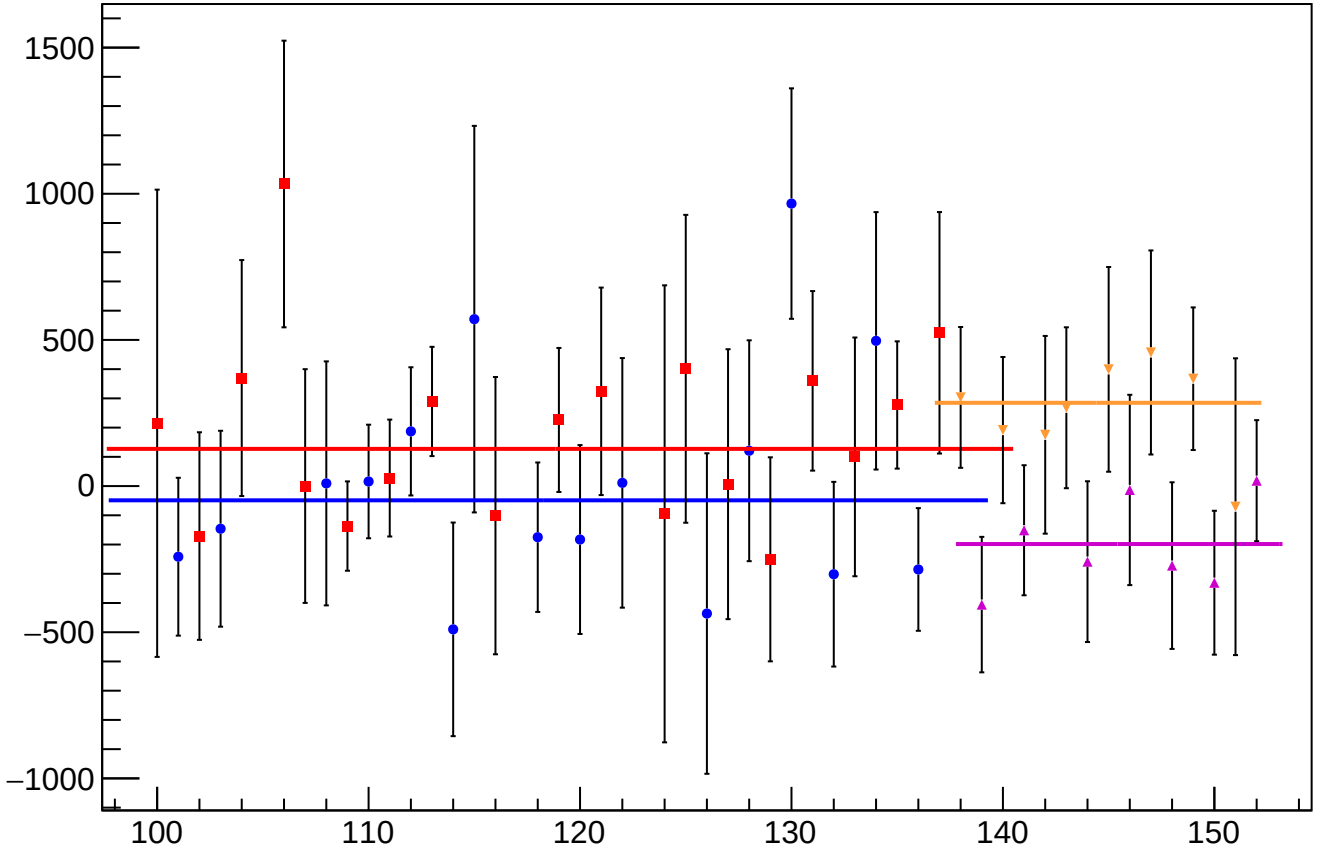
Left In: 187.351+/-0.054 χ^2/NDF:80398.9/6

+ sign 156.285+/-0.032 χ^2/NDF: 1856521.8/23

All: 154.004+/-0.022 χ^2/NDF: 4163881.7/49

- sign 151.860+/-0.031 χ^2/NDF: 2297391.4/25

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 284.826+/-104.138 χ^2/NDF:1.2/7

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

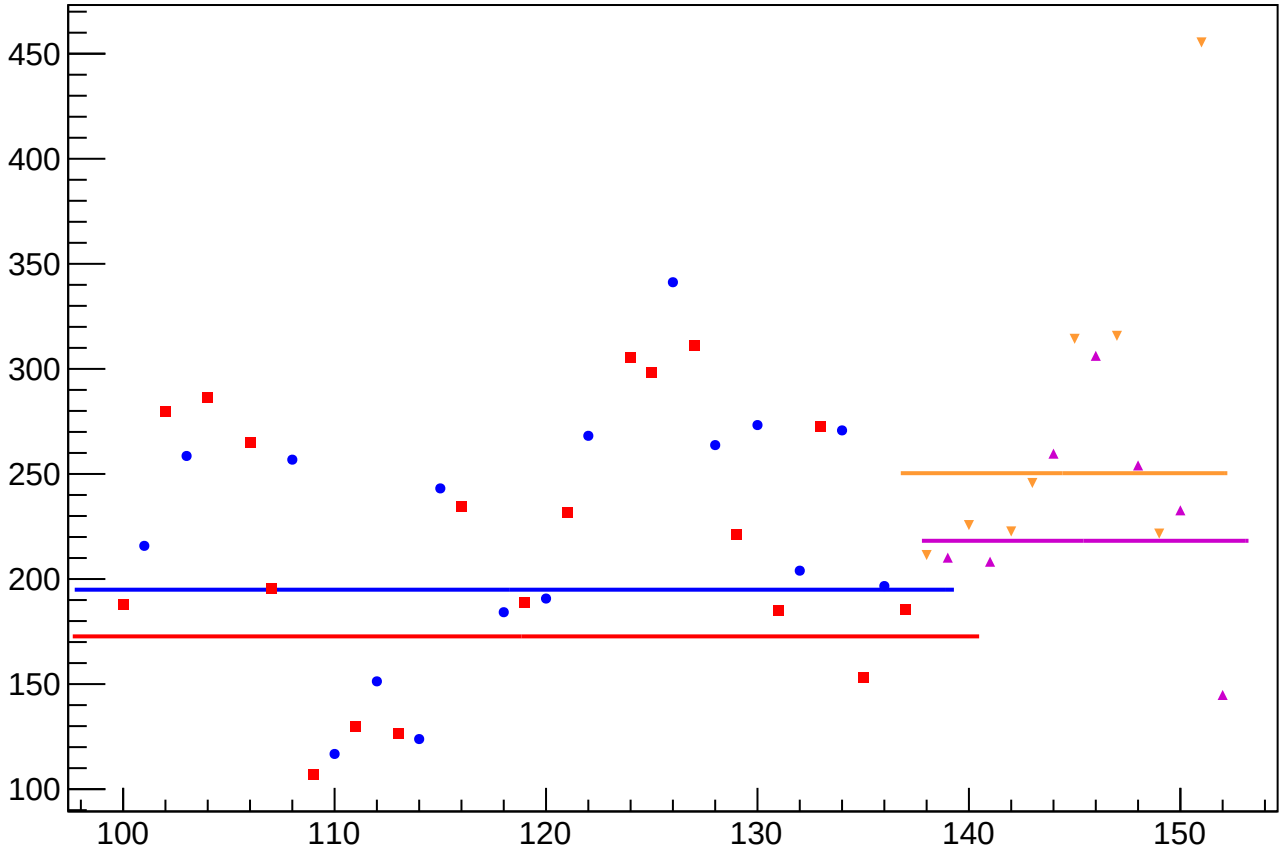
Left In: -198.279+/-93.818 χ^2/NDF:2.7/6

+ sign 68.351+/-61.701 χ^2/NDF: 23.3/23

All: 38.247+/-41.191 χ^2/NDF: 47.1/49

- sign 14.041+/-55.326 χ^2/NDF: 23.4/25

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 250.368+/-0.074 χ^2/NDF:576528.0/7

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

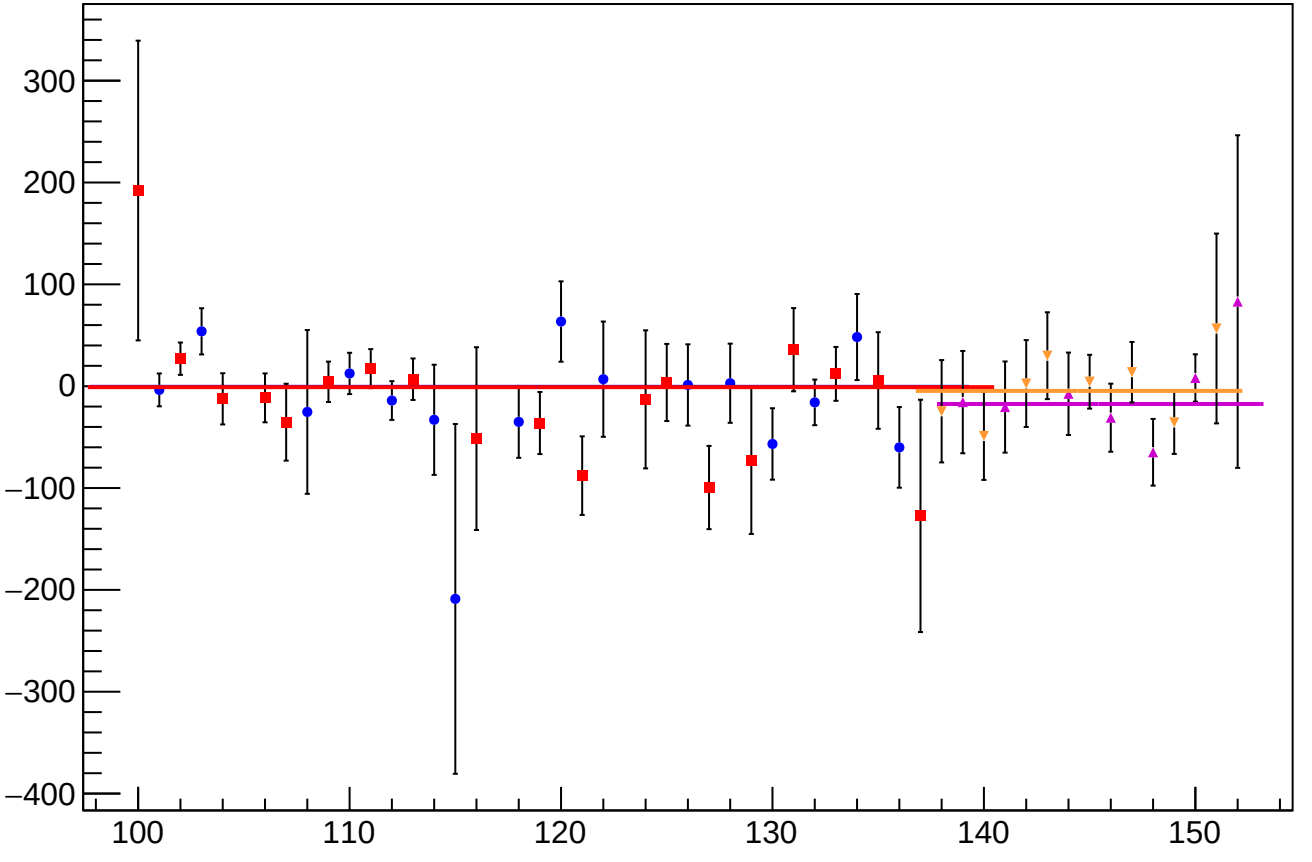
Left In: 218.198+/-0.066 χ^2/NDF:487622.9/6

+ sign 214.386+/-0.044 χ^2/NDF: 1973351.6/23

All: 200.051+/-0.029 χ^2/NDF: 4593822.7/49

- sign 188.525+/-0.039 χ^2/NDF: 2425709.3/25

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -4.622+/-13.174 χ^2/NDF:3.8/7

Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

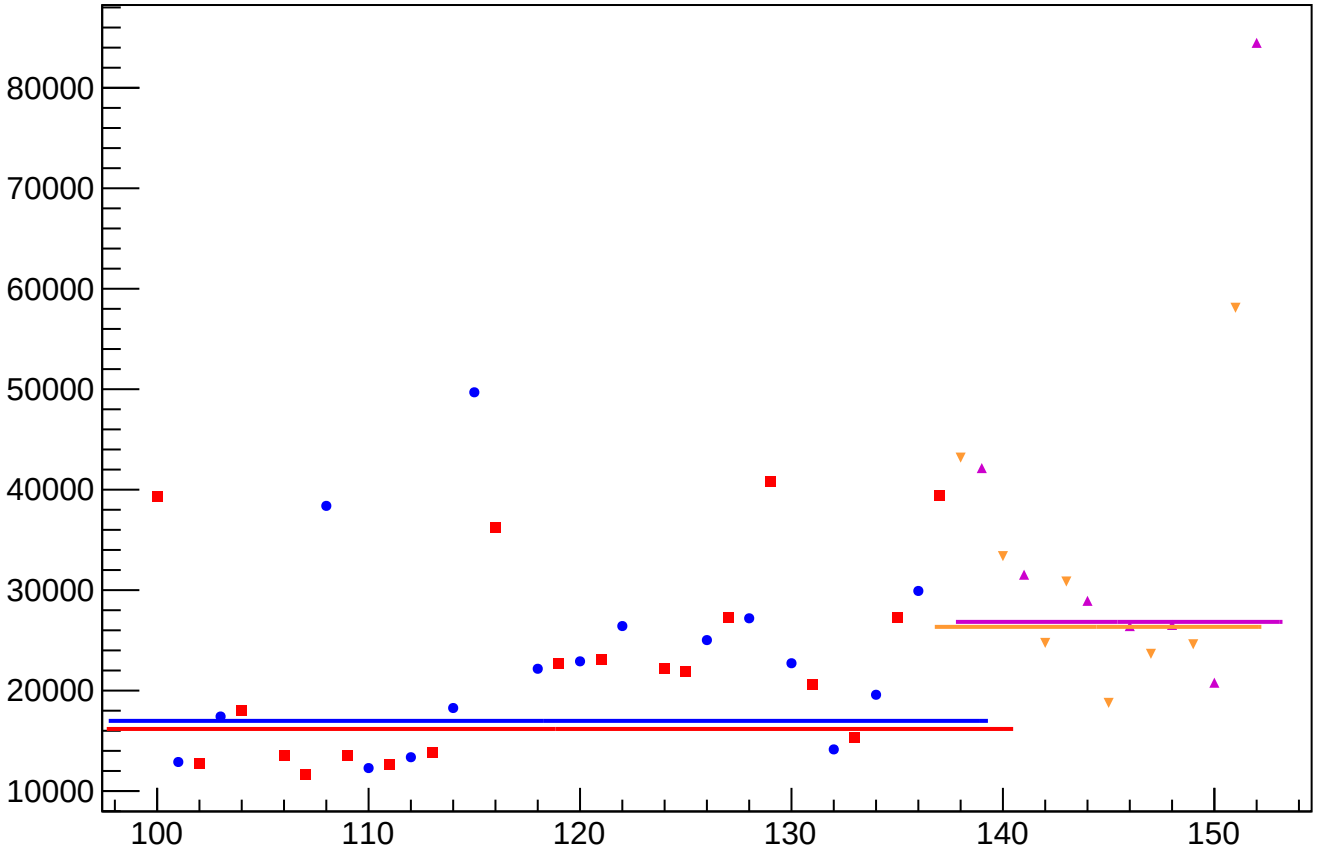
Left In: -17.459+/-13.837 χ^2/NDF:3.9/6

+ sign -1.571+/-6.412 χ^2/NDF: 22.8/23

All: -2.917+/-4.412 χ^2/NDF: 51.0/49

- sign -4.126+/-6.079 χ^2/NDF: 28.1/25

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 26343.216+/-9.316 χ^2/NDF:722314.7/7

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

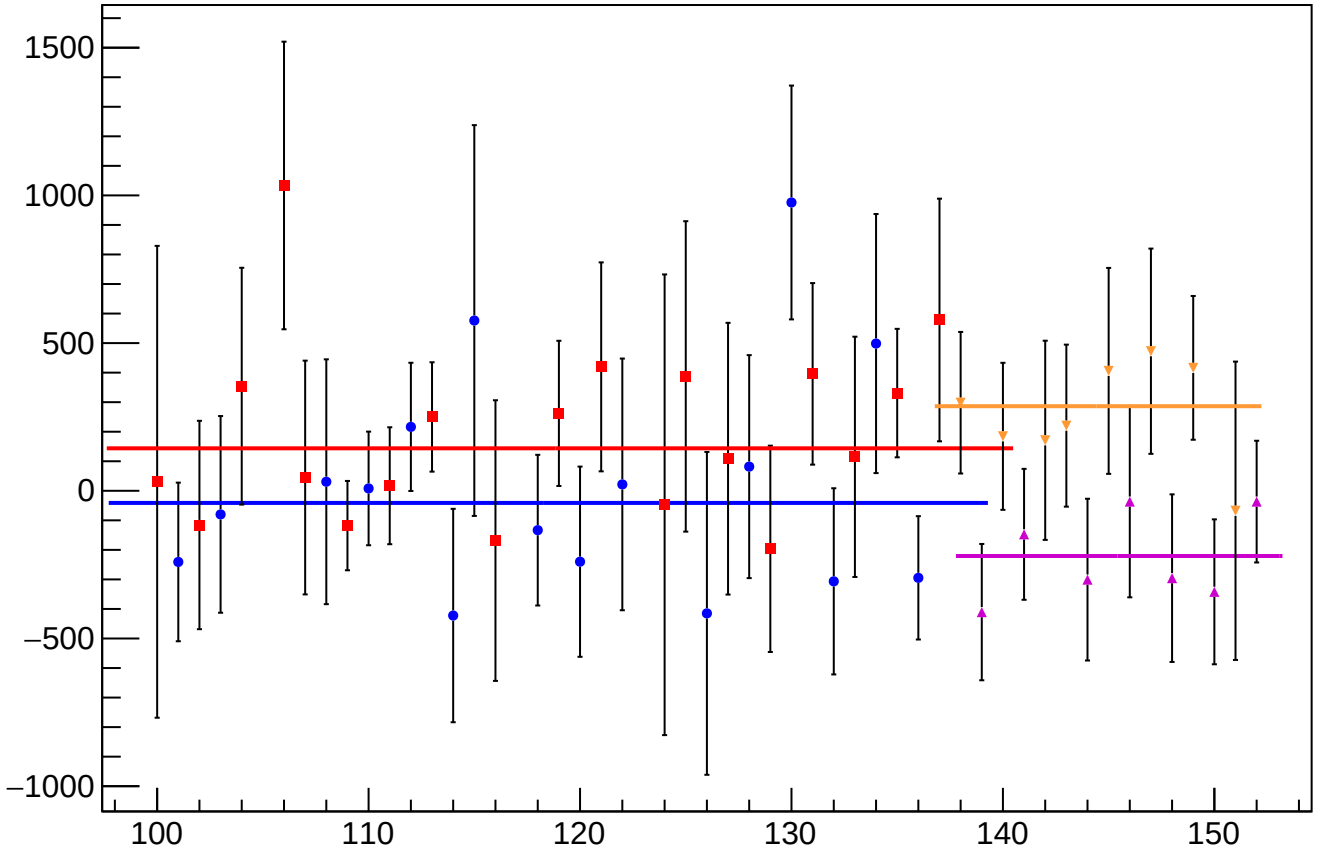
Left In: 26840.302+/-9.784 χ^2/NDF:598381.0/6

+ sign 19203.012+/-4.534 χ^2/NDF: 2686288.7/23

All: 18695.342+/-3.119 χ^2/NDF: 5517575.0/4

- sign 18239.053+/-4.299 χ^2/NDF: 2807481.5/25

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 286.354+/-103.703 χ^2/NDF:1.5/7

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

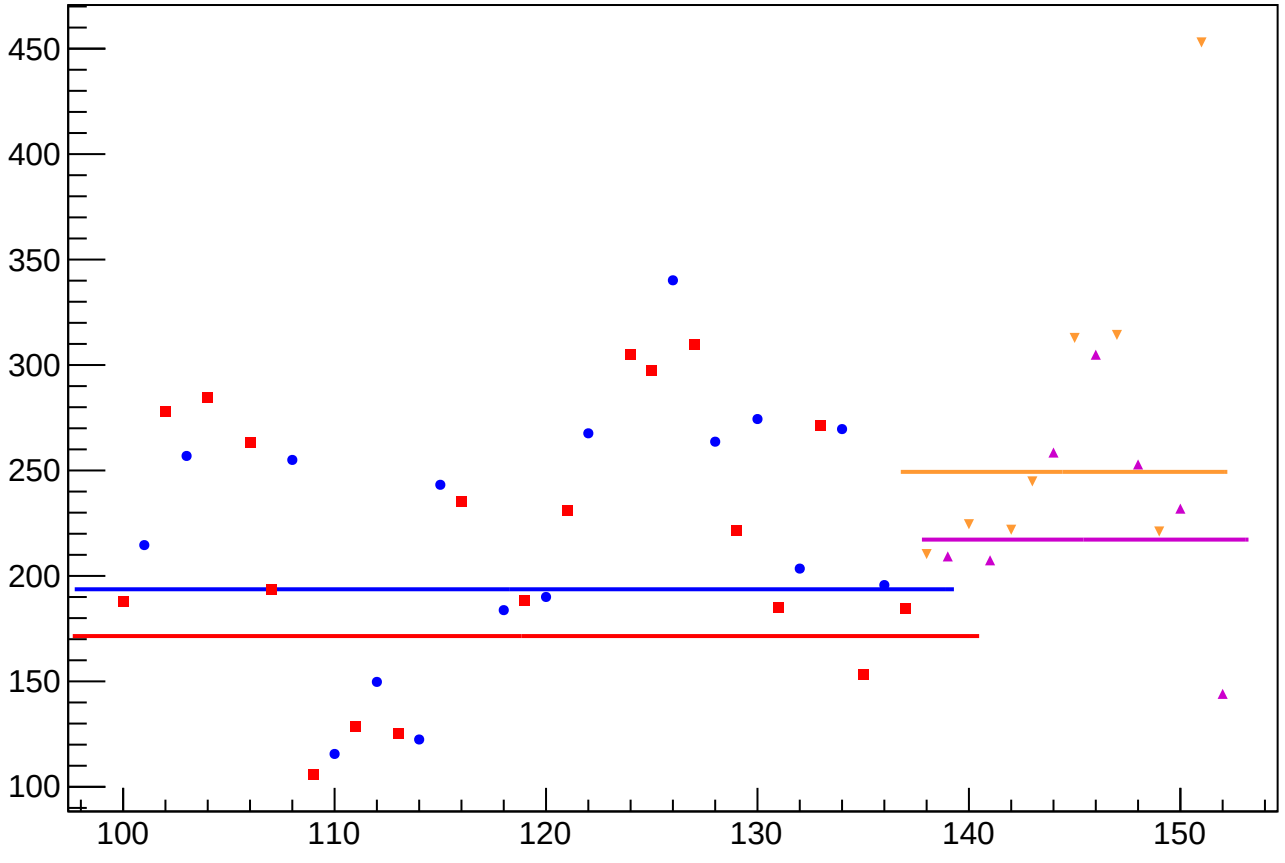
Left In: -220.702+/-93.403 χ^2/NDF:2.3/6

\+ sign 73.659+/-61.383 χ^2/NDF: 23.5/23

All: 42.434+/-40.969 χ^2/NDF: 49.2/49

\- sign 17.350+/-55.017 χ^2/NDF: 25.3/25

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 249.339+/-0.073 χ^2/NDF:575025.1/7

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

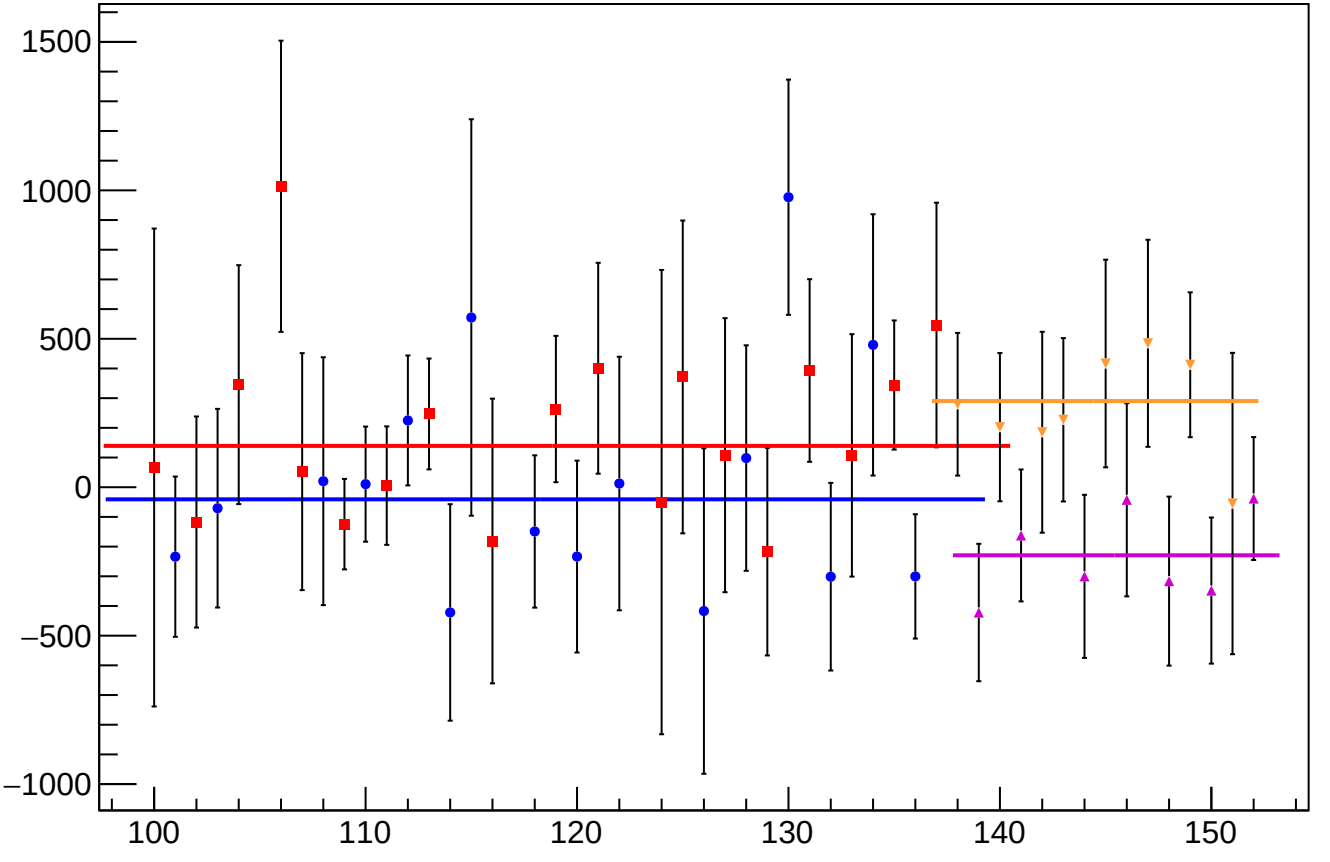
Left In: 217.220+/-0.066 χ^2/NDF:488873.9/6

+ sign 213.174+/-0.043 χ^2/NDF: 1999207.8/23

All: 198.855+/-0.029 χ^2/NDF: 4650503.5/49

- sign 187.352+/-0.039 χ^2/NDF: 2455025.0/25

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 290.244+/-104.044 χ^2/NDF:1.4/7

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

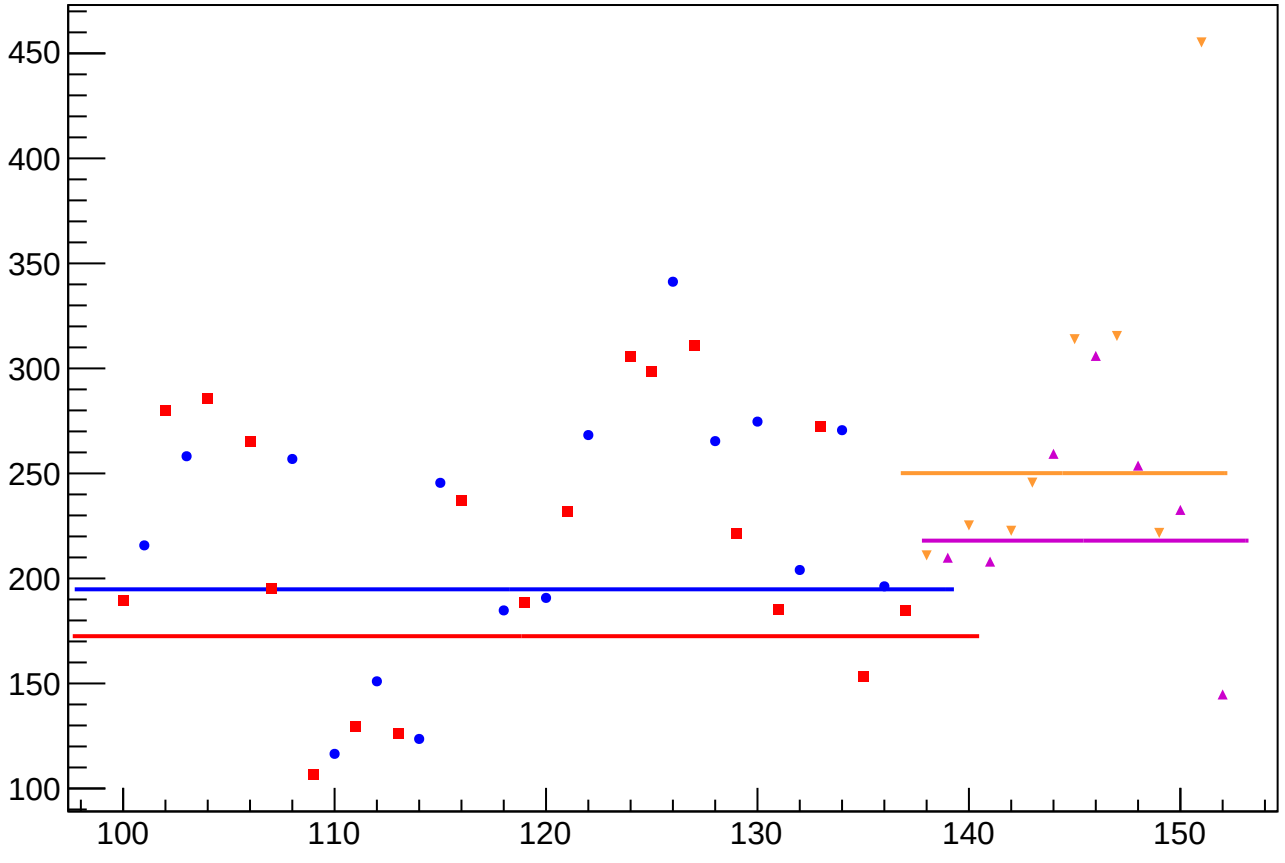
Left In: -229.250+/-93.733 χ^2/NDF:2.4/6

+ sign 75.524+/-61.674 χ^2/NDF: 23.4/23

All: 39.796+/-41.166 χ^2/NDF: 49.3/49

- sign 11.088+/-55.284 χ^2/NDF: 25.3/25

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 250.132+/-0.074 χ^2/NDF:577005.1/7

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

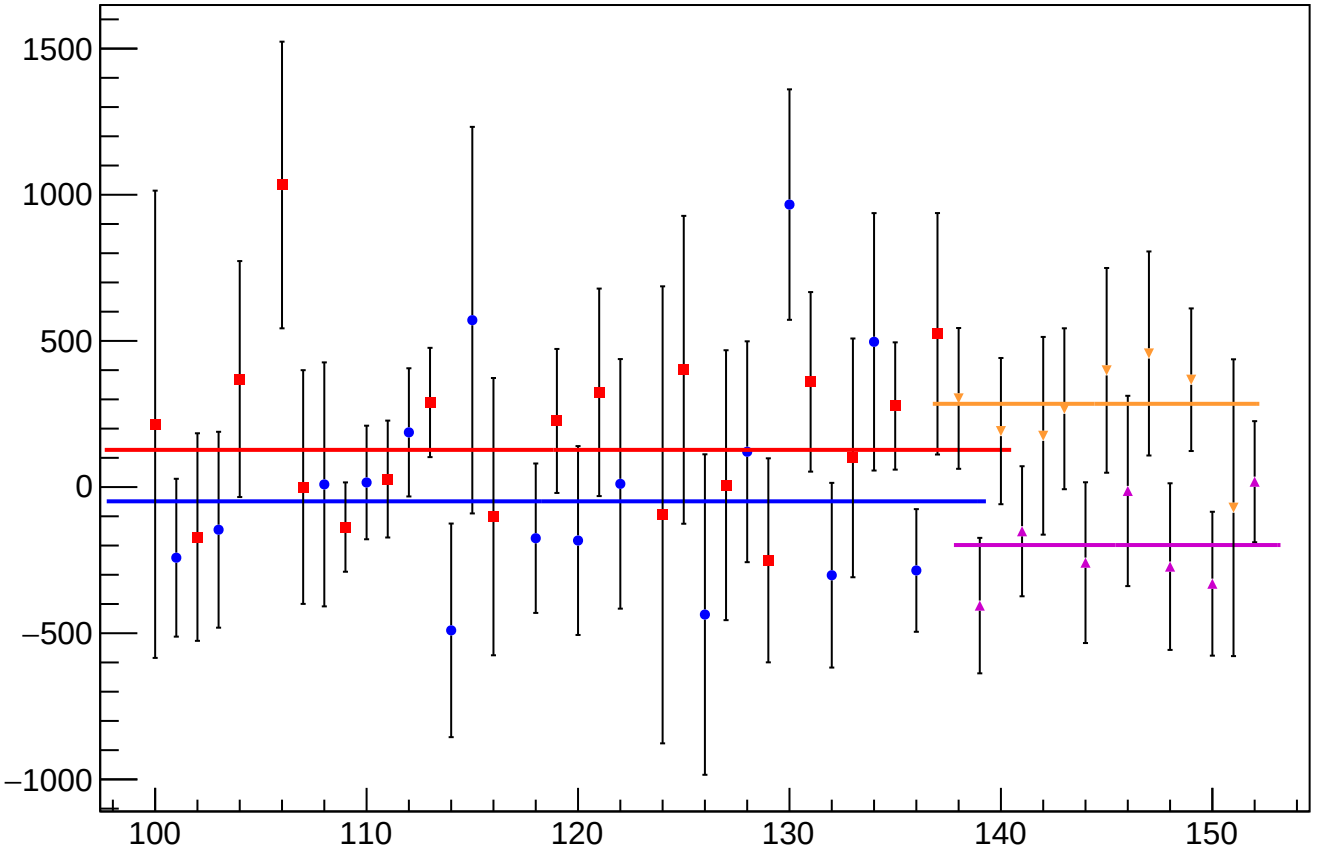
Left In: 218.000+/-0.066 χ^2/NDF:486892.0/6

+ sign 214.255+/-0.044 χ^2/NDF: 1982734.8/23

All: 199.882+/-0.029 χ^2/NDF: 4614838.4/49

- sign 188.333+/-0.039 χ^2/NDF: 2436192.9/25

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 284.826+/-104.138 χ^2/NDF:1.2/7

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

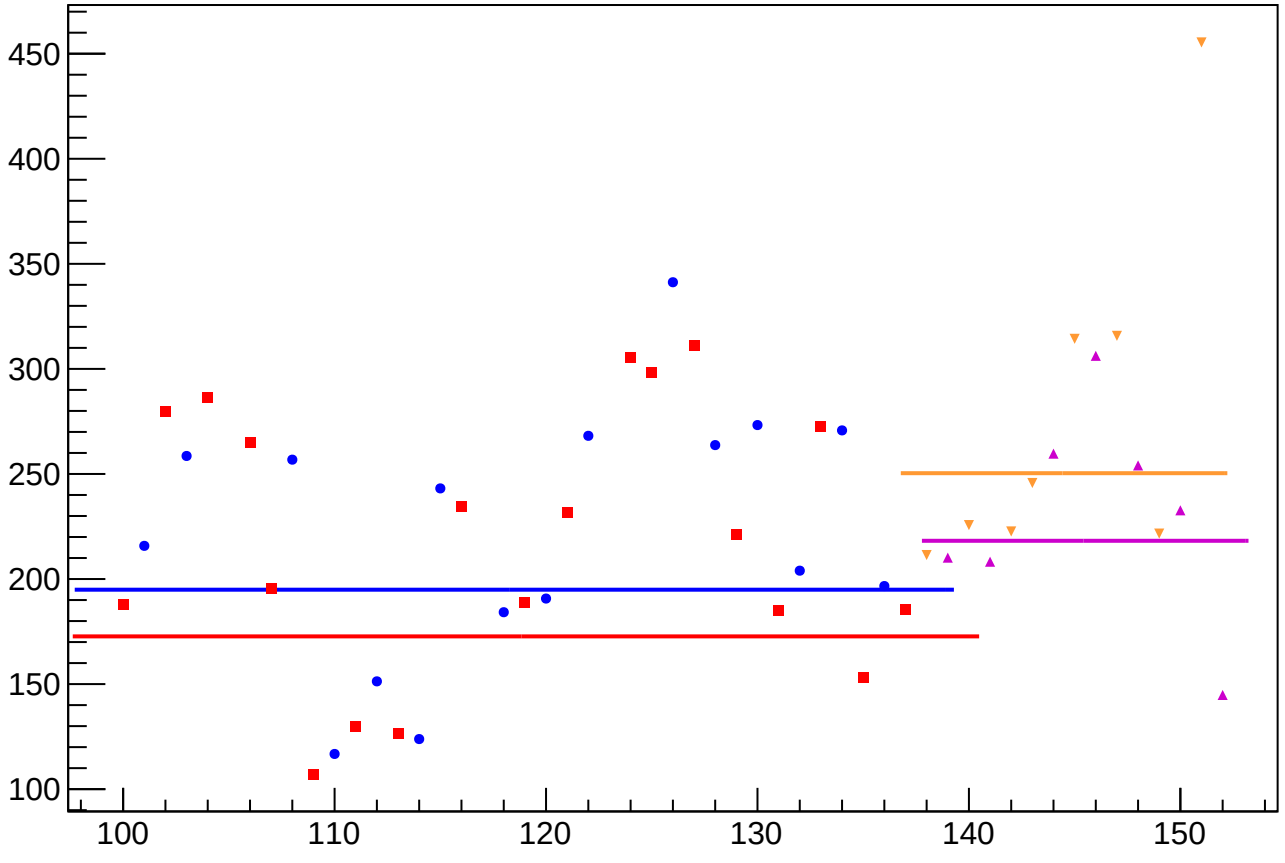
Left In: -198.279+/-93.818 χ^2/NDF:2.7/6

+ sign 68.351+/-61.701 χ^2/NDF: 23.3/23

All: 38.247+/-41.191 χ^2/NDF: 47.1/49

- sign 14.041+/-55.326 χ^2/NDF: 23.4/25

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 250.368+/-0.074 χ^2/NDF:576528.0/7

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

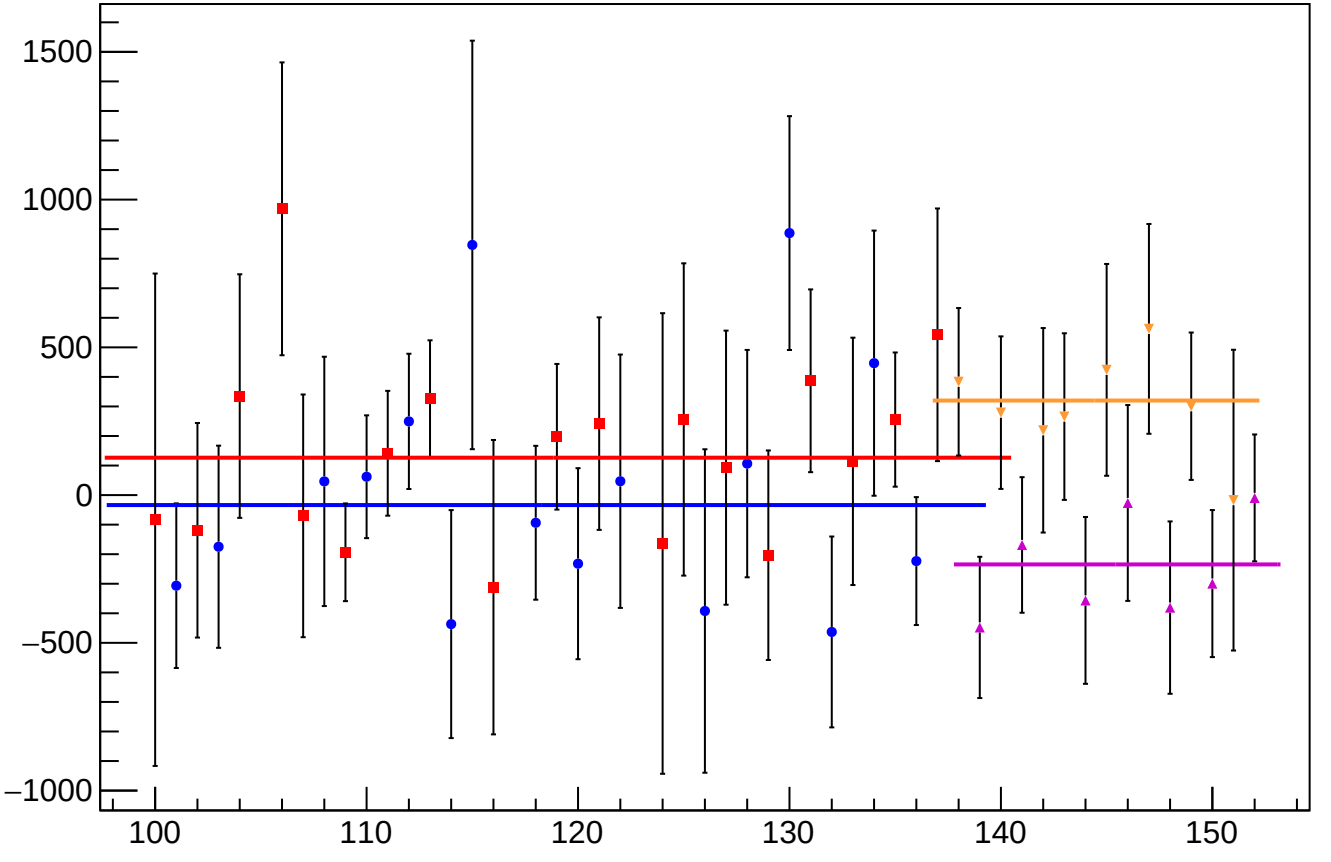
Left In: 218.198+/-0.066 χ^2/NDF:487622.9/6

+ sign 214.386+/-0.044 χ^2/NDF: 1973351.6/23

All: 200.051+/-0.029 χ^2/NDF: 4593822.7/49

- sign 188.525+/-0.039 χ^2/NDF: 2425709.3/25

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 320.031+/-106.815 χ^2/NDF:1.2/7

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

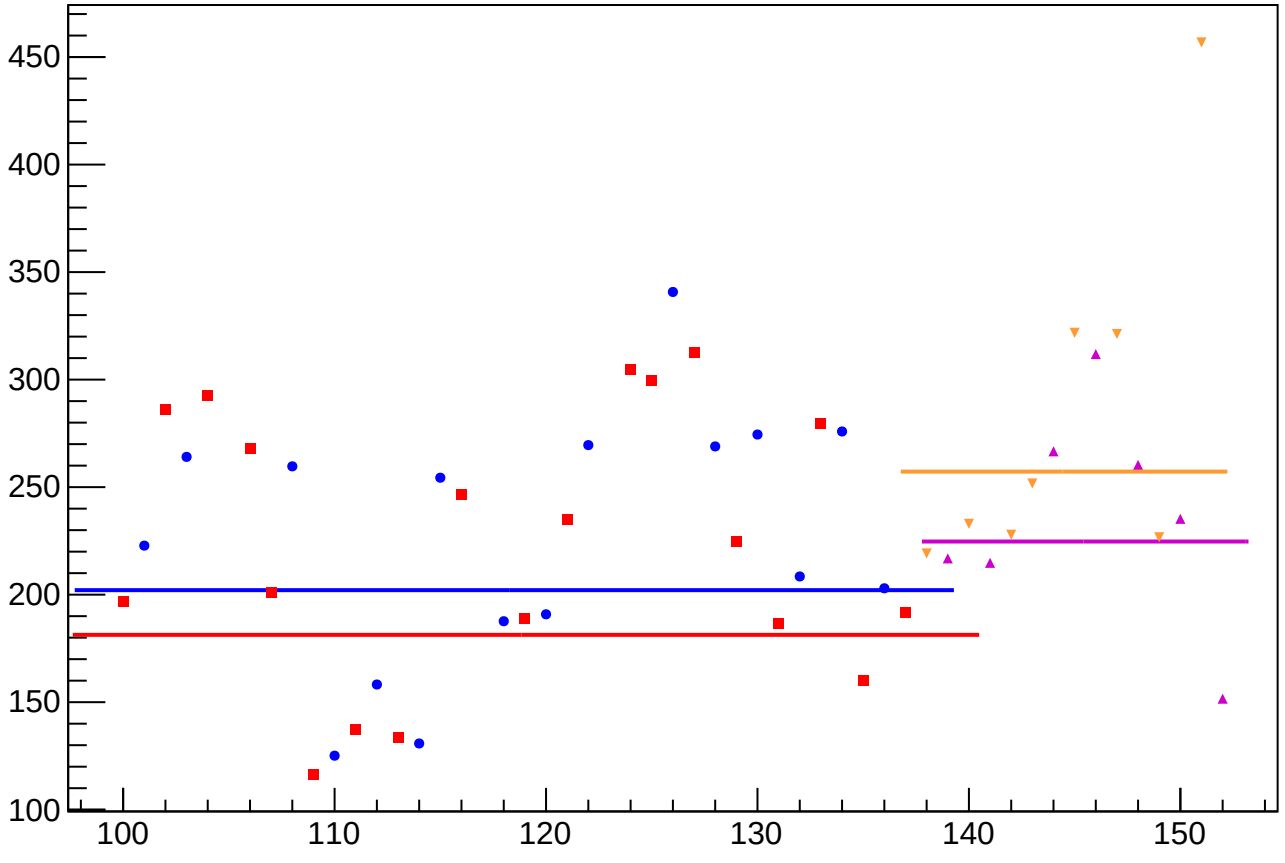
Left In: -234.624+/-96.337 χ^2/NDF:2.9/6

+ sign 91.346+/-63.514 χ^2/NDF: 24.0/23

All: 40.292+/-42.551 χ^2/NDF: 49.9/49

- sign -1.284+/-57.316 χ^2/NDF: 24.6/25

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 257.221+/-0.076 χ^2/NDF:546684.6/7

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

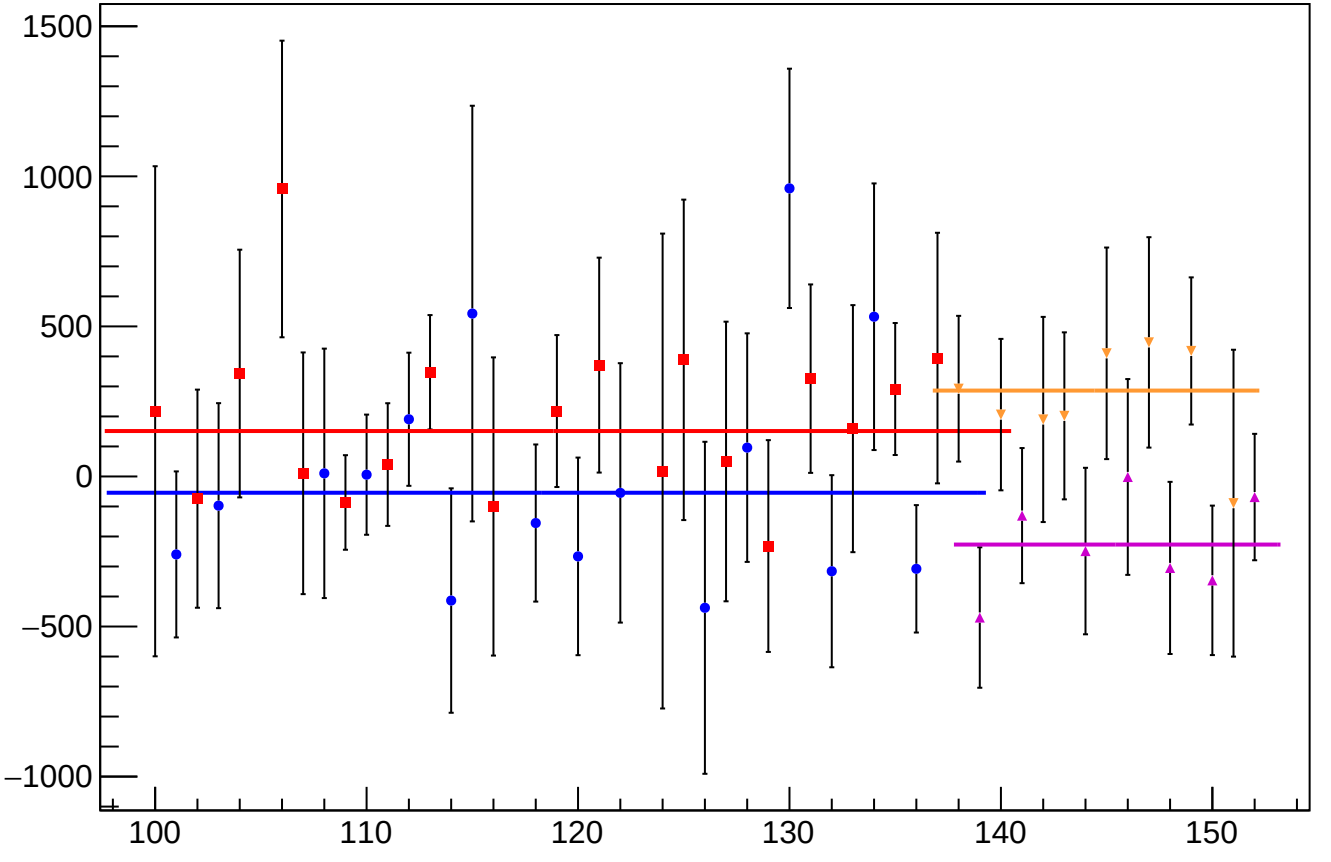
Left In: 224.712+/-0.068 χ^2/NDF:453430.9/6

+ sign 221.582+/-0.045 χ^2/NDF: 1801358.8/23

All: 207.854+/-0.030 χ^2/NDF: 4127540.2/49

- sign 196.674+/-0.041 χ^2/NDF: 2156644.6/25

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 286.185+/-104.946 χ^2/NDF:1.4/7

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

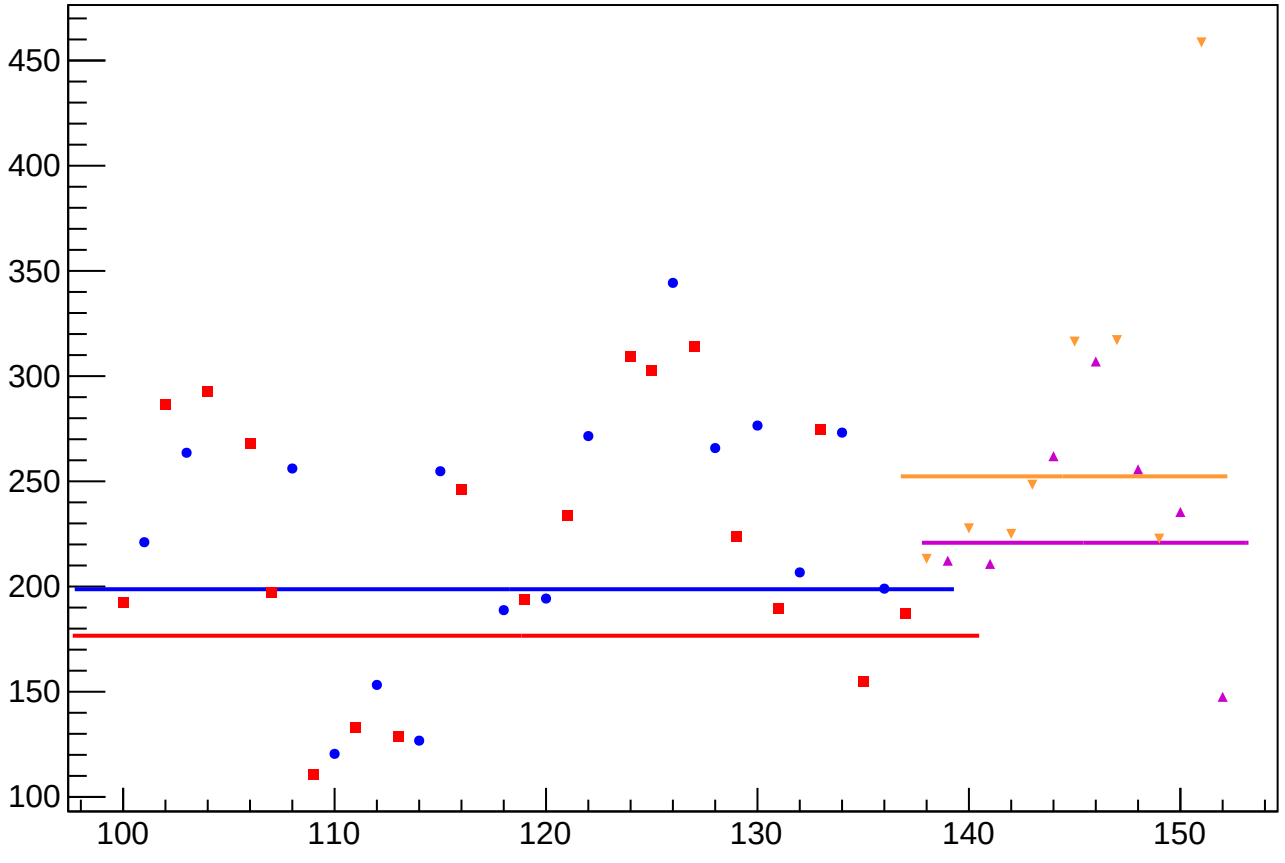
Left In: -226.906+/-94.825 χ^2/NDF:2.6/6

+ sign 66.779+/-62.575 χ^2/NDF: 23.3/23

All: 39.905+/-41.839 χ^2/NDF: 46.8/49

- sign 18.177+/-56.266 χ^2/NDF: 23.2/25

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 252.360+/-0.074 χ^2/NDF:573358.6/7

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

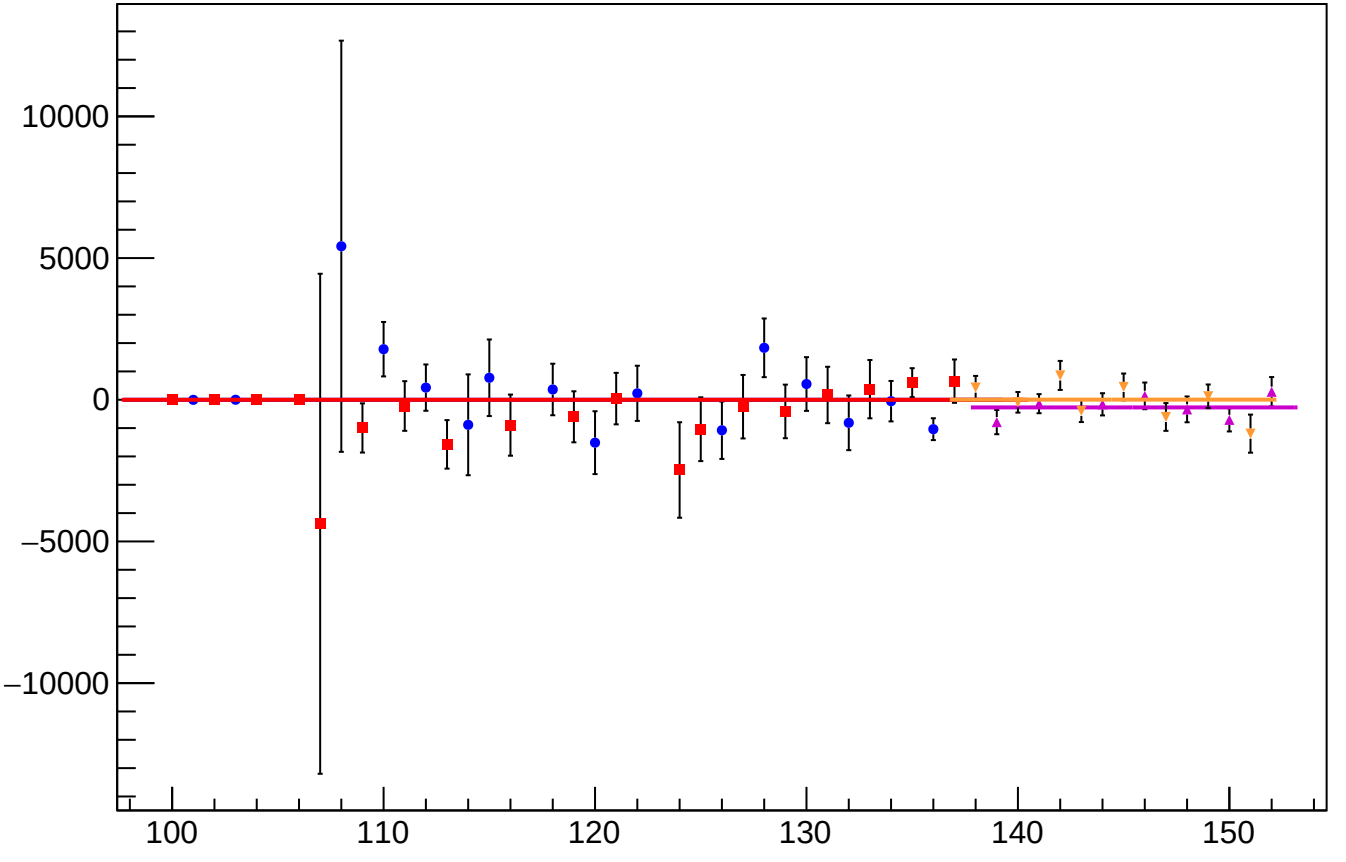
Left In: 220.809+/-0.067 χ^2/NDF:468300.1/6

+ sign 217.789+/-0.044 χ^2/NDF: 1904173.6/23

All: 203.629+/-0.030 χ^2/NDF: 4434805.0/49

- sign 192.179+/-0.040 χ^2/NDF: 2345401.5/25

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 4.576+/-157.656 χ^2/NDF:10.6/7

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

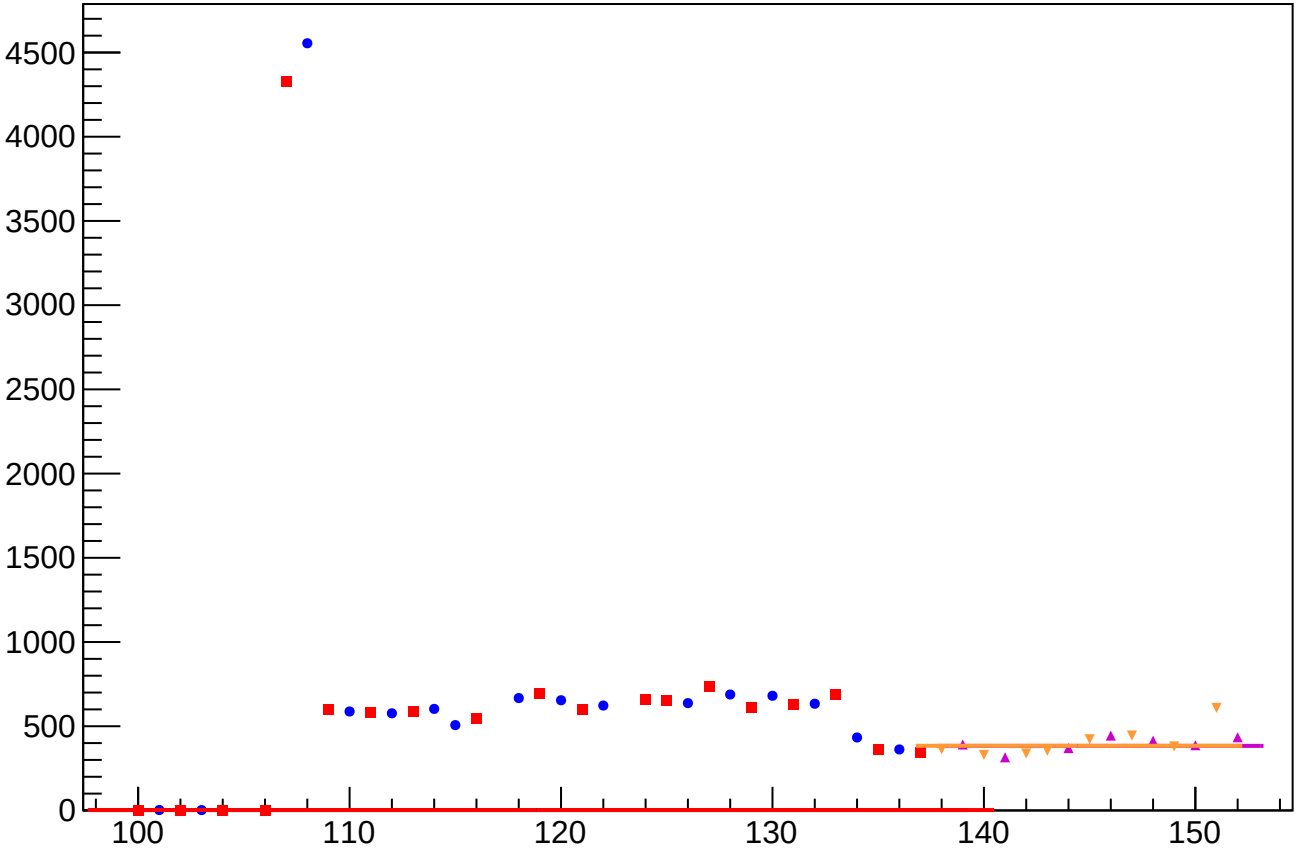
Left In: -270.092+/-158.459 χ^2/NDF:4.8/6

+ sign -1.238+/-2.171 χ^2/NDF: 30.5/23

All: -1.336+/-1.480 χ^2/NDF: 55.0/49

- sign -1.421+/-2.022 χ^2/NDF: 24.5/25

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 383.957+/-0.111 χ^2/NDF:344944.4/7

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

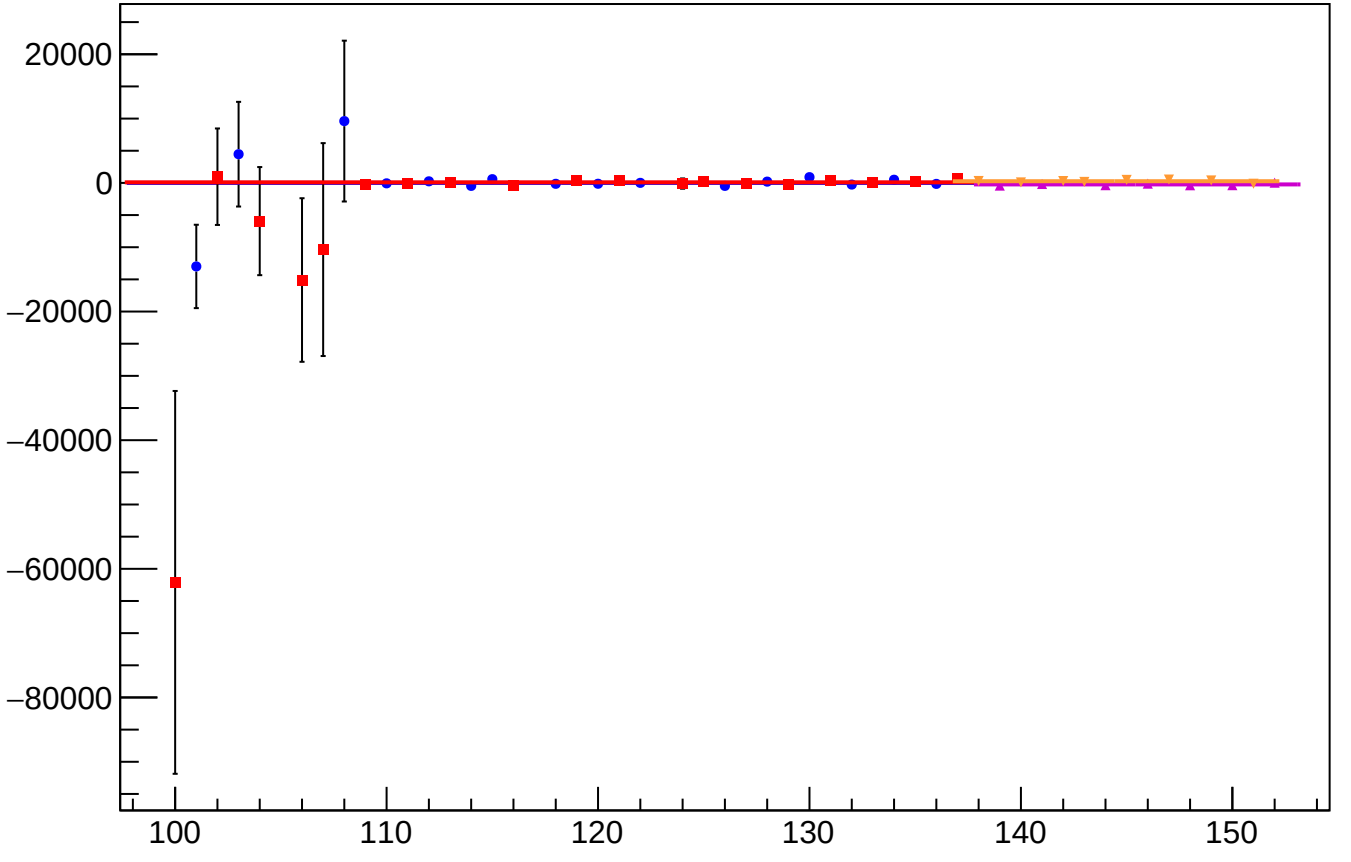
Left In: 383.373+/-0.112 χ^2/NDF:147248.8/6

+ sign 2.549+/-0.002 χ^2/NDF: 23678778.9/23

All: 2.536+/-0.001 χ^2/NDF: 46926606.7/49

- sign 2.524+/-0.001 χ^2/NDF: 23247687.9/25

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 261.387+/-110.158 χ^2/NDF:2.3/7

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

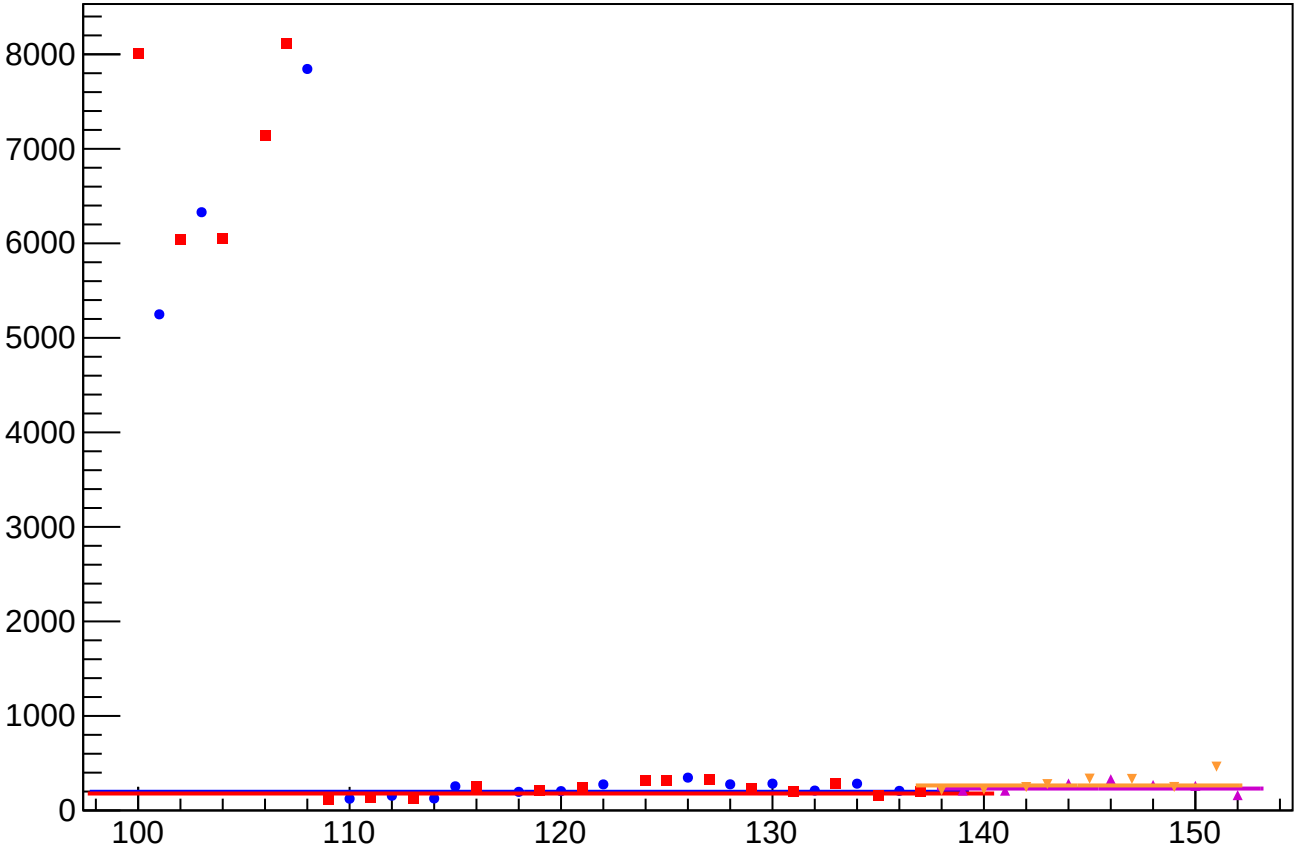
Left In: -234.552+/-99.435 χ^2/NDF:2.8/6

+ sign 101.927+/-68.670 χ^2/NDF: 22.6/23

All: 23.999+/-46.456 χ^2/NDF: 48.9/49

- sign -41.760+/-63.081 χ^2/NDF: 24.0/25

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 264.584+/-0.078 χ^2/NDF:608277.0/7

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

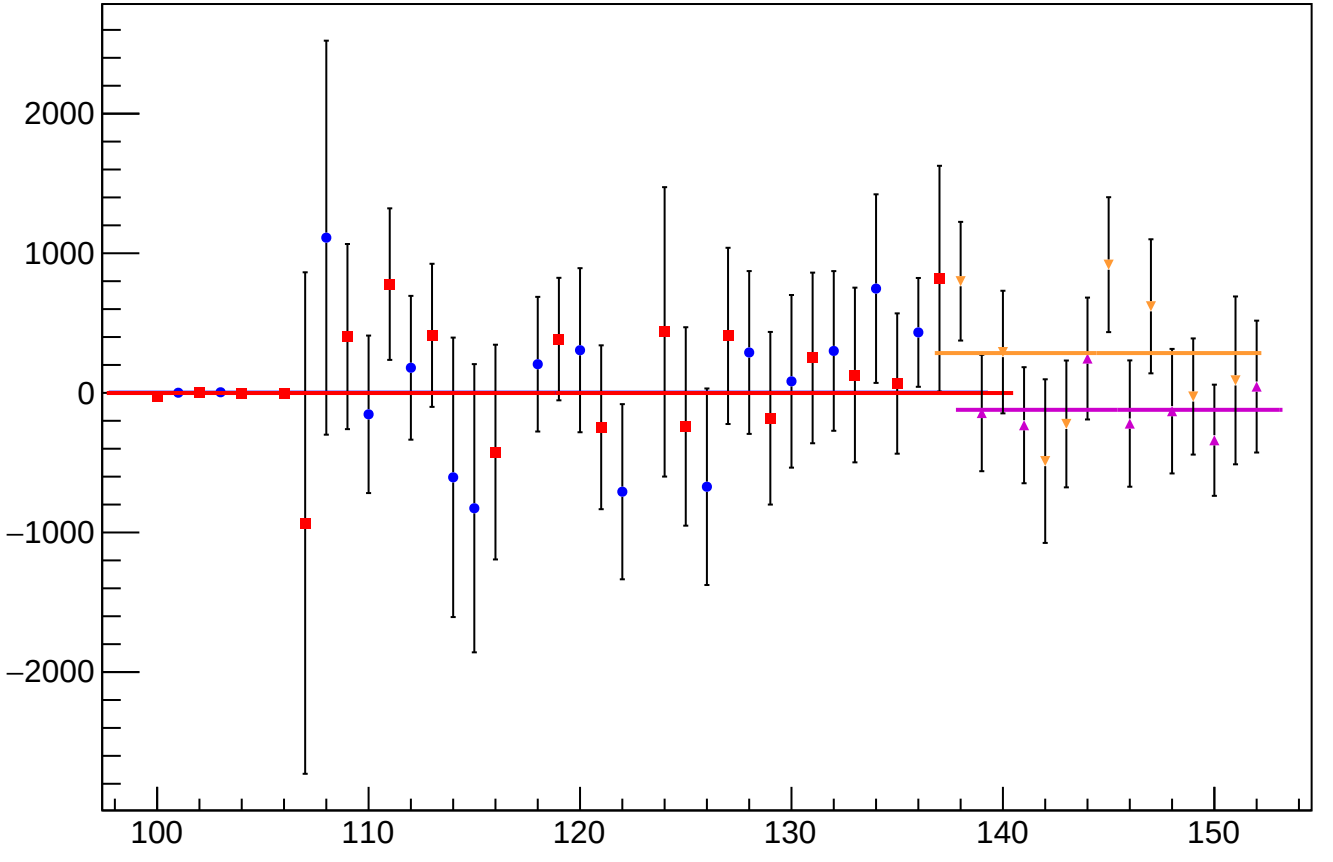
Left In: 231.702+/-0.070 χ^2/NDF:500196.1/6

+ sign 223.642+/-0.049 χ^2/NDF: 5017331.2/23

All: 211.015+/-0.033 χ^2/NDF: 10393180.5/49

- sign 200.360+/-0.045 χ^2/NDF: 5251161.8/25

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 285.086+/-167.505 χ^2/NDF:7.3/7

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

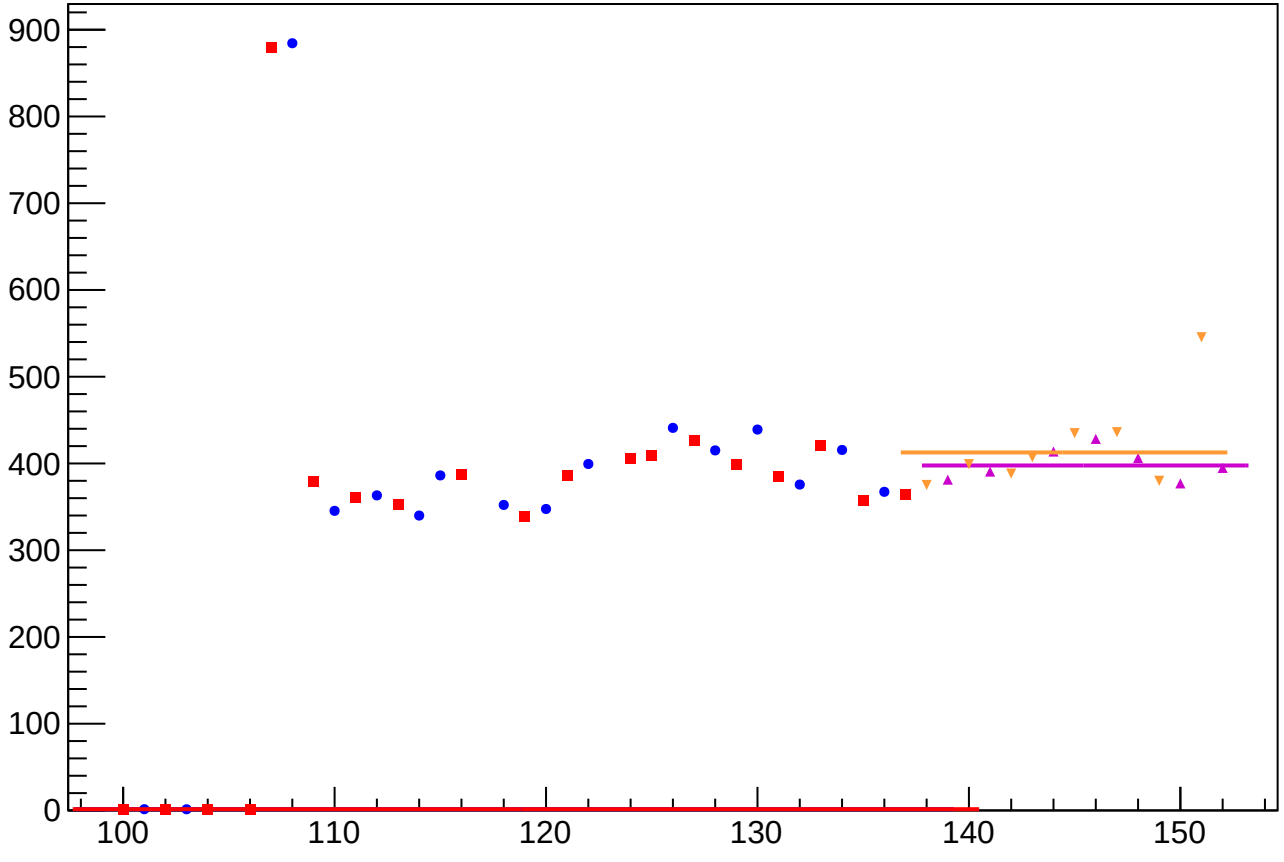
Left In: -121.395+/-163.318 χ^2/NDF:1.3/6

+ sign 1.483+/-1.660 χ^2/NDF: 18.1/23

All: 0.082+/-1.124 χ^2/NDF: 30.3/49

- sign -1.104+/-1.528 χ^2/NDF: 11.0/25

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 412.716+/-0.118 χ^2/NDF:140030.1/7

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

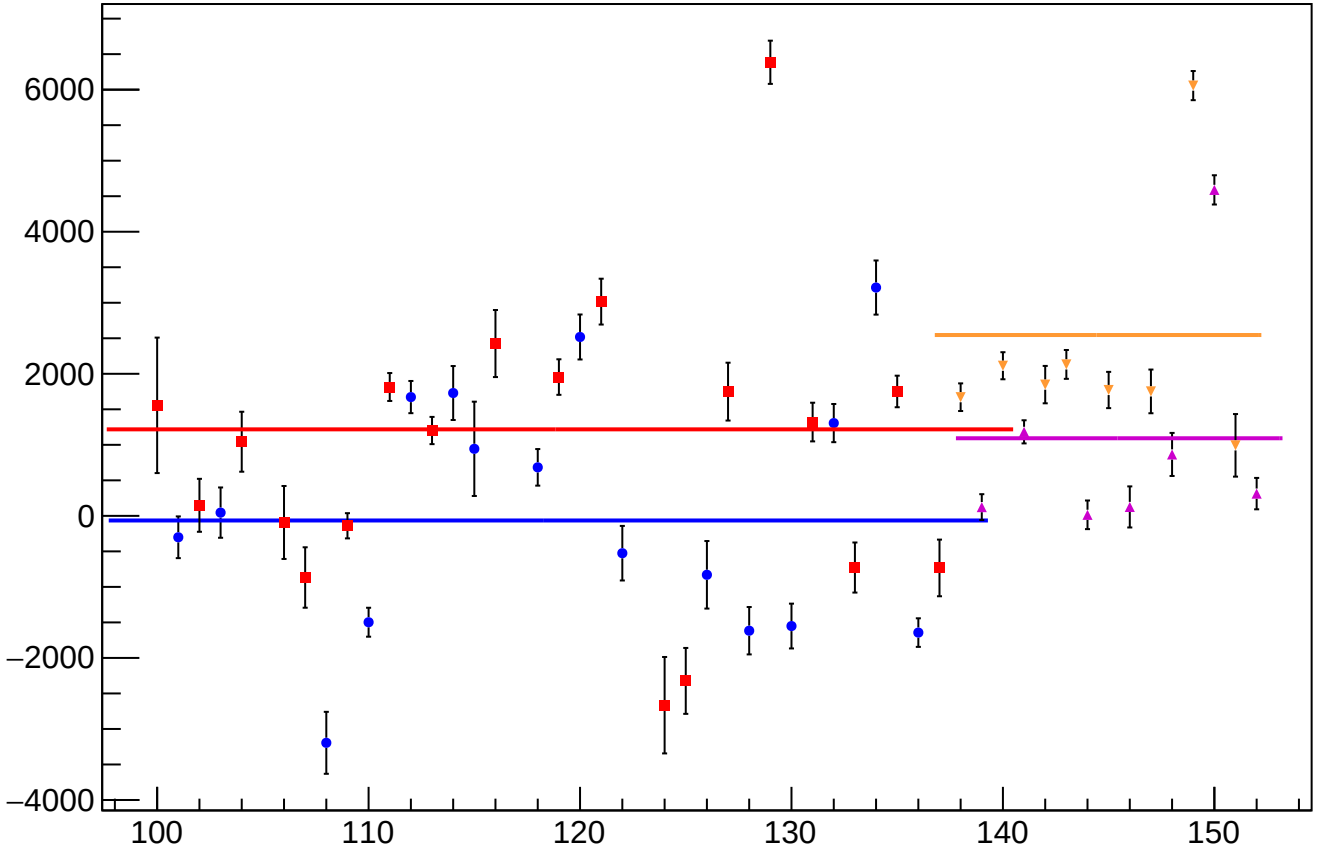
Left In: 397.678+/-0.115 χ^2/NDF:21726.7/6

+ sign 1.511+/-0.001 χ^2/NDF: 23929522.0/23

All: 1.506+/-0.001 χ^2/NDF: 46991683.2/49

- sign 1.502+/-0.001 χ^2/NDF: 23062131.1/25

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 2545.882+/-82.348 χ^2/NDF:357.8/7

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

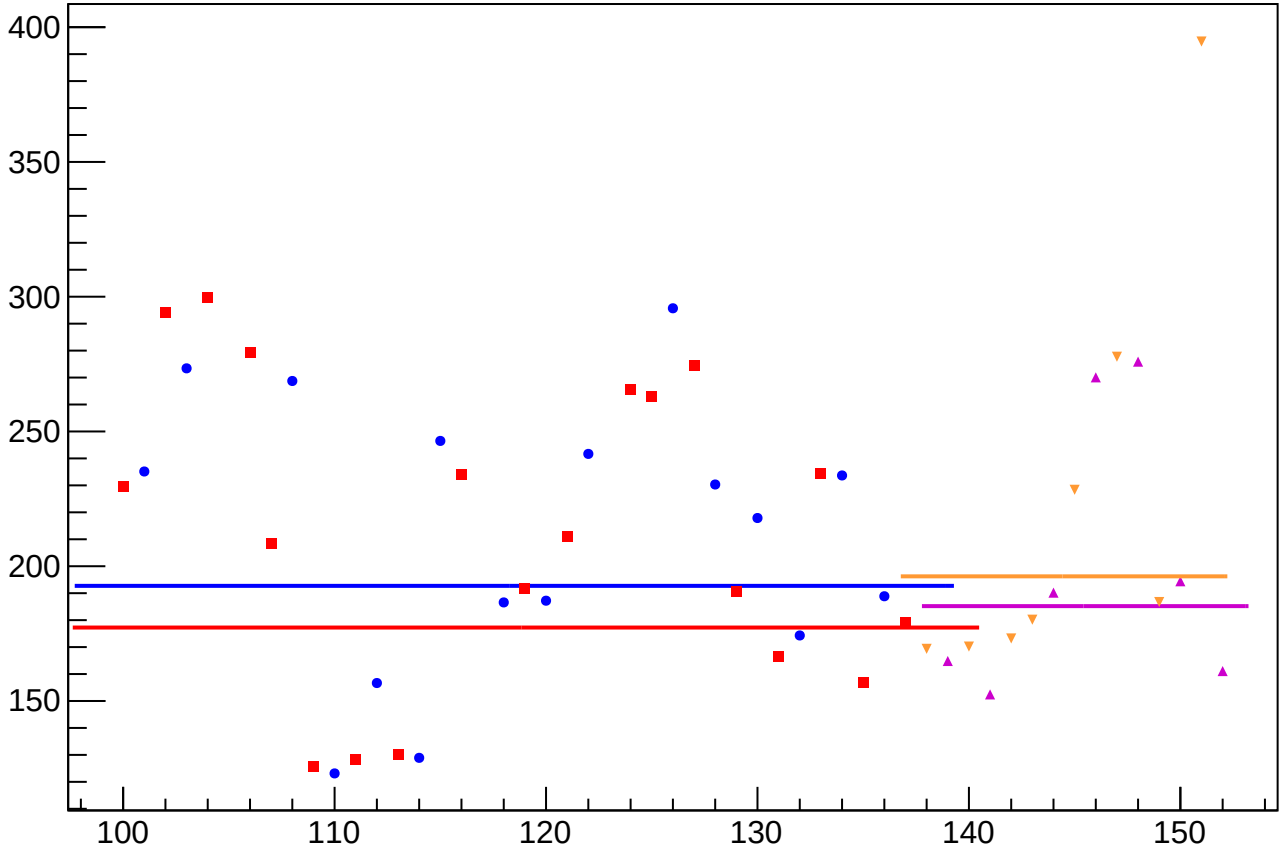
Left In: 1092.484+/-79.197 χ^2/NDF:369.6/6

\+ sign 1116.970+/-55.407 χ^2/NDF: 1377.4/23

All: 1141.816+/-37.930 χ^2/NDF: 2343.4/49

\- sign 1163.730+/-52.034 χ^2/NDF: 965.7/25

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 196.246+/-0.058 χ^2/NDF:685621.0/7

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

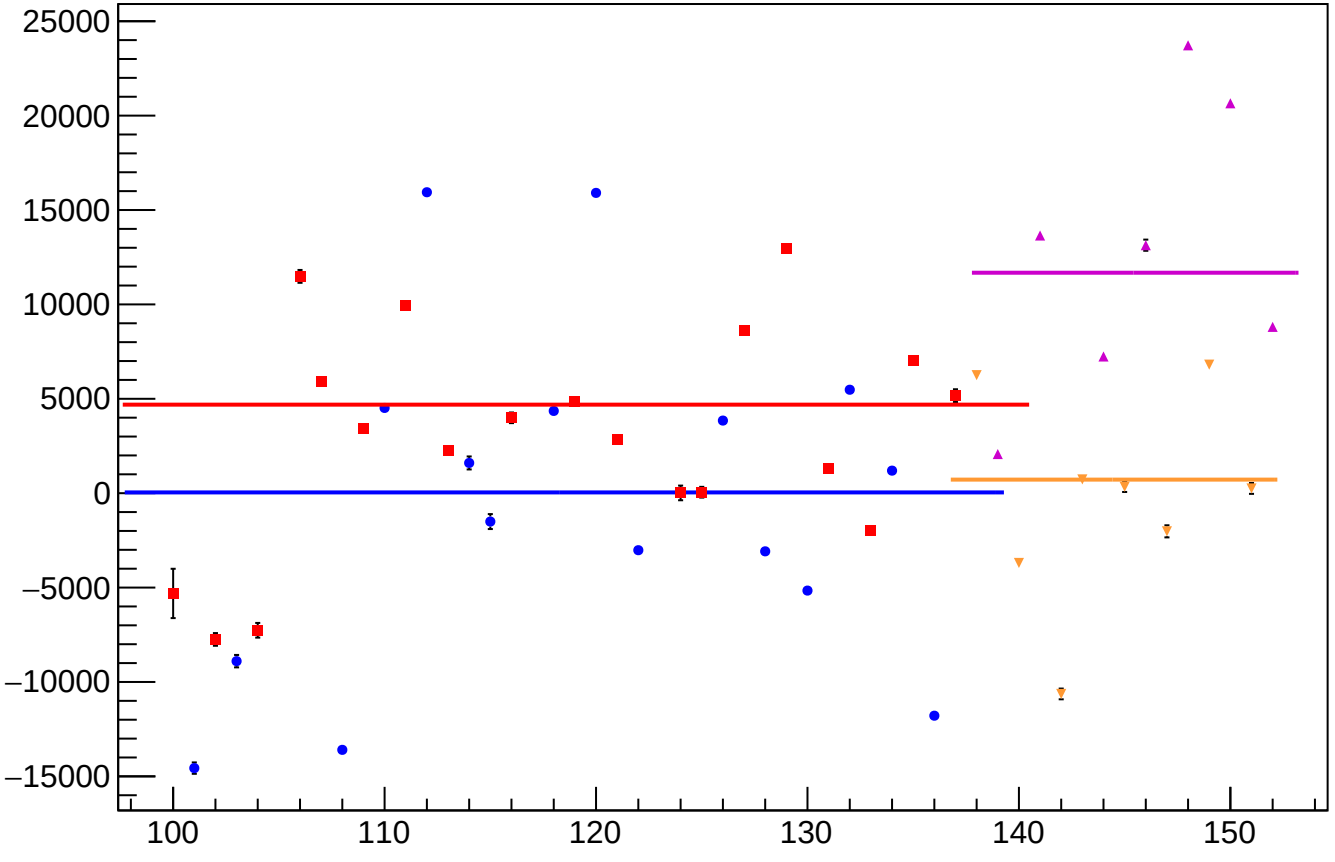
Left In: 185.196+/-0.056 χ^2/NDF:486373.3/6

+ sign 194.316+/-0.039 χ^2/NDF: 1446774.7/23

All: 187.071+/-0.027 χ^2/NDF: 3235122.2/49

- sign 180.681+/-0.037 χ^2/NDF: 1723993.1/25

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 718.868+/-85.754 χ^2/NDF:3648.3/7

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

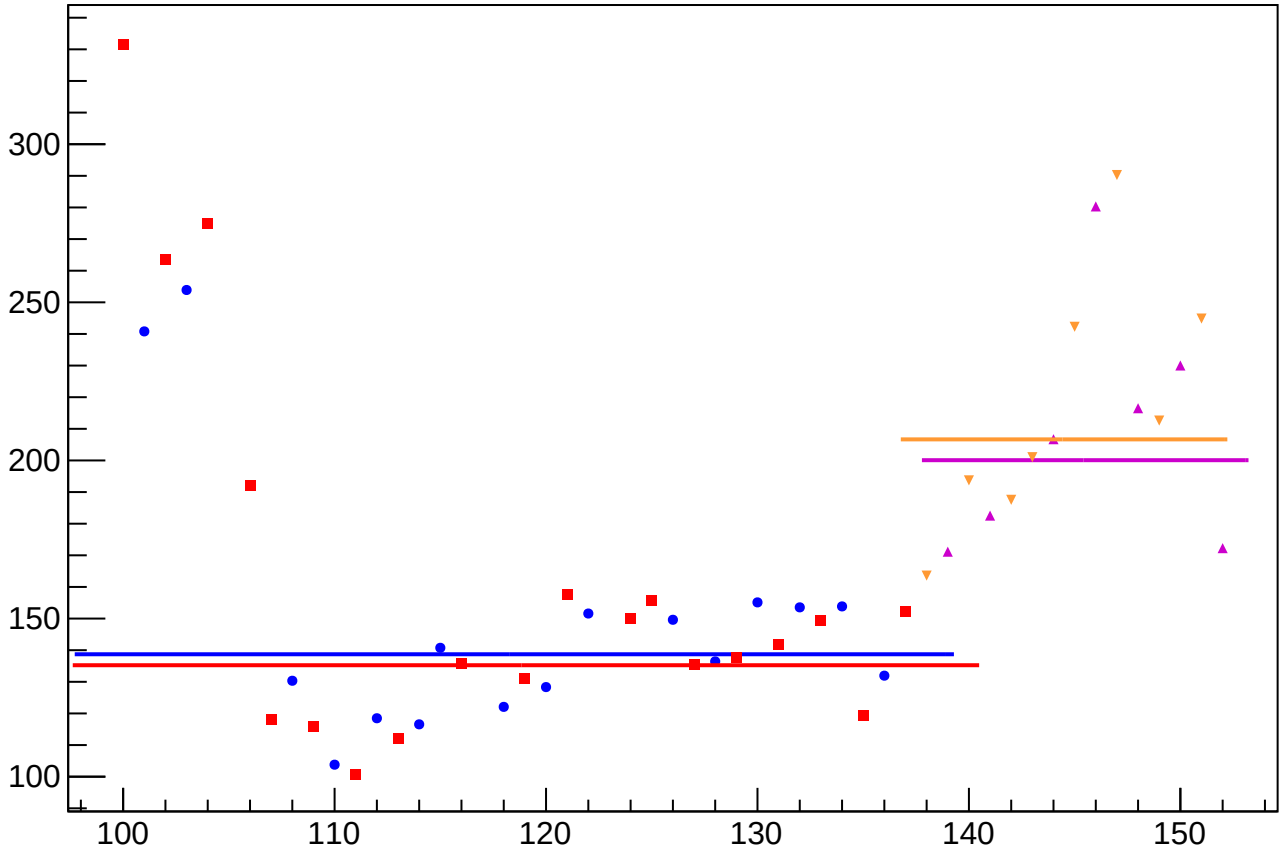
Left In: 11678.075+/-84.539 χ^2/NDF:7040.5/6

+ sign 234.429+/-45.815 χ^2/NDF: 34479.2/23

All: 3527.327+/-31.866 χ^2/NDF: 64274.7/49

- sign 6613.065+/-44.351 χ^2/NDF: 19788.8/25

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 206.661+/-0.061 χ^2/NDF:331759.4/7

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

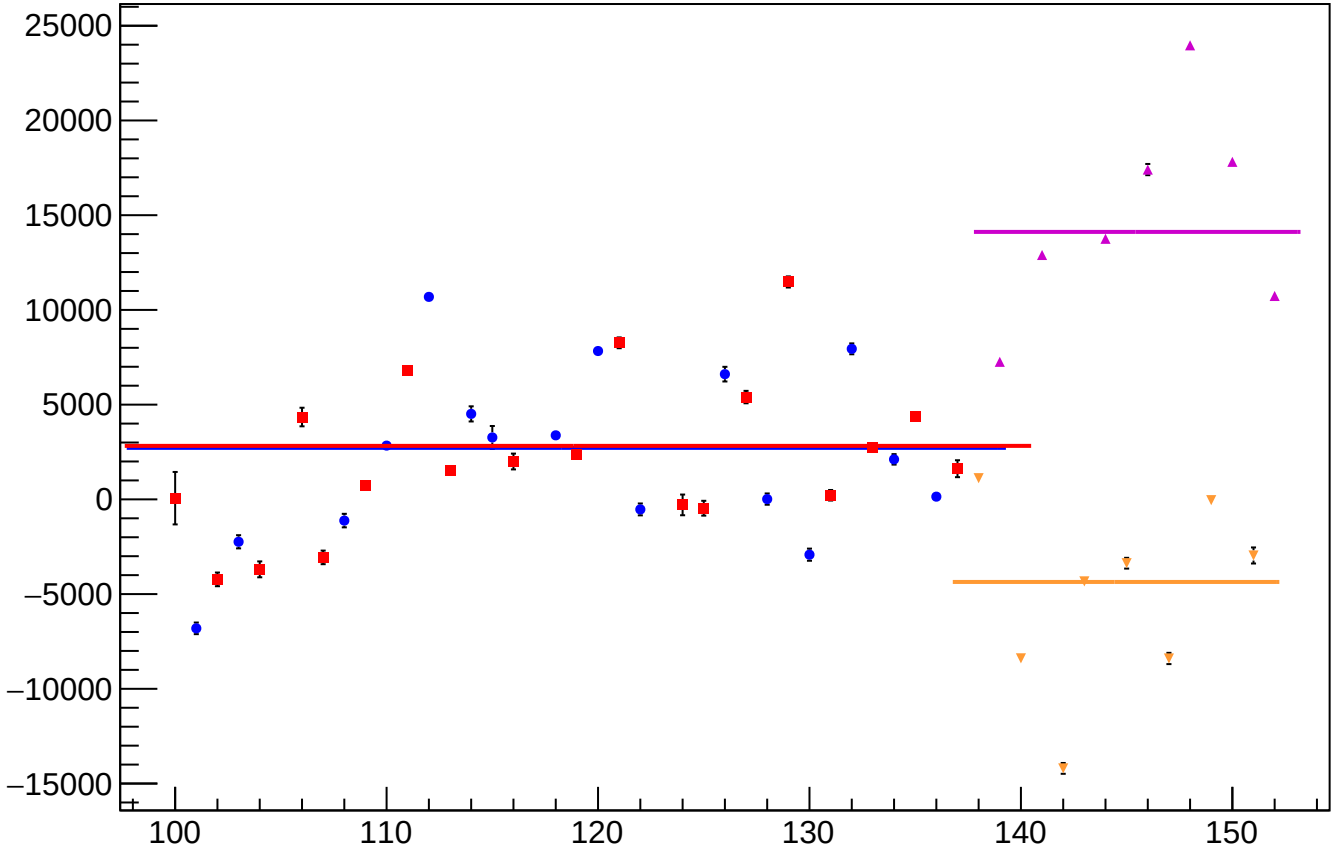
Left In: 200.081+/-0.060 χ^2/NDF:281794.4/6

\+ sign 158.107+/-0.032 χ^2/NDF: 1886847.6/23

All: 155.517+/-0.023 χ^2/NDF: 3923655.4/49

\- sign 153.089+/-0.031 χ^2/NDF: 2024422.1/25

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -4358.980+/-88.078 χ^2/NDF:2879.0/7

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

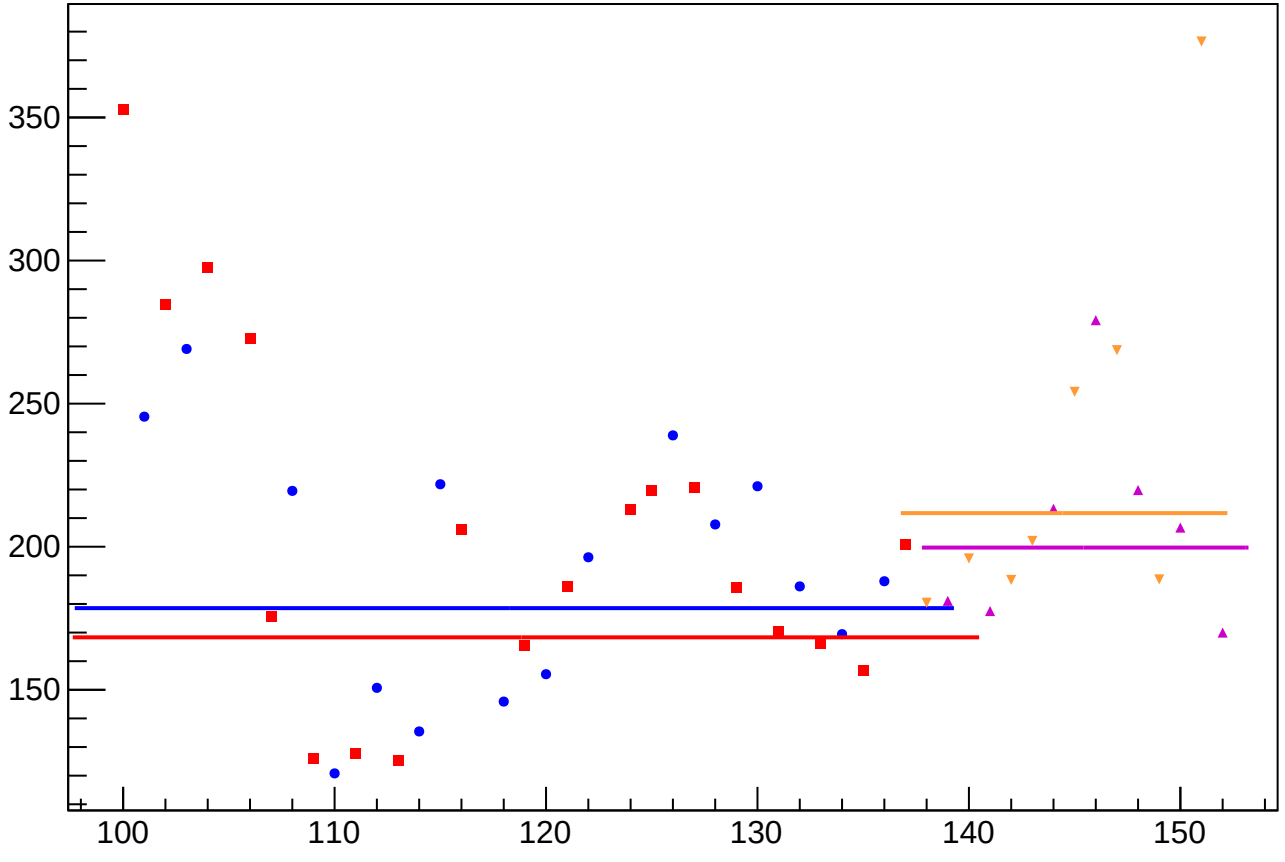
Left In: 14117.968+/-84.391 χ^2/NDF:3461.7/6

+ sign 15.791+/-54.437 χ^2/NDF: 11000.2/23

All: 3715.645+/-37.381 χ^2/NDF: 37526.9/49

- sign 7016.901+/-51.421 χ^2/NDF: 17785.7/25

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 211.743+/-0.062 χ^2/NDF:519493.7/7

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

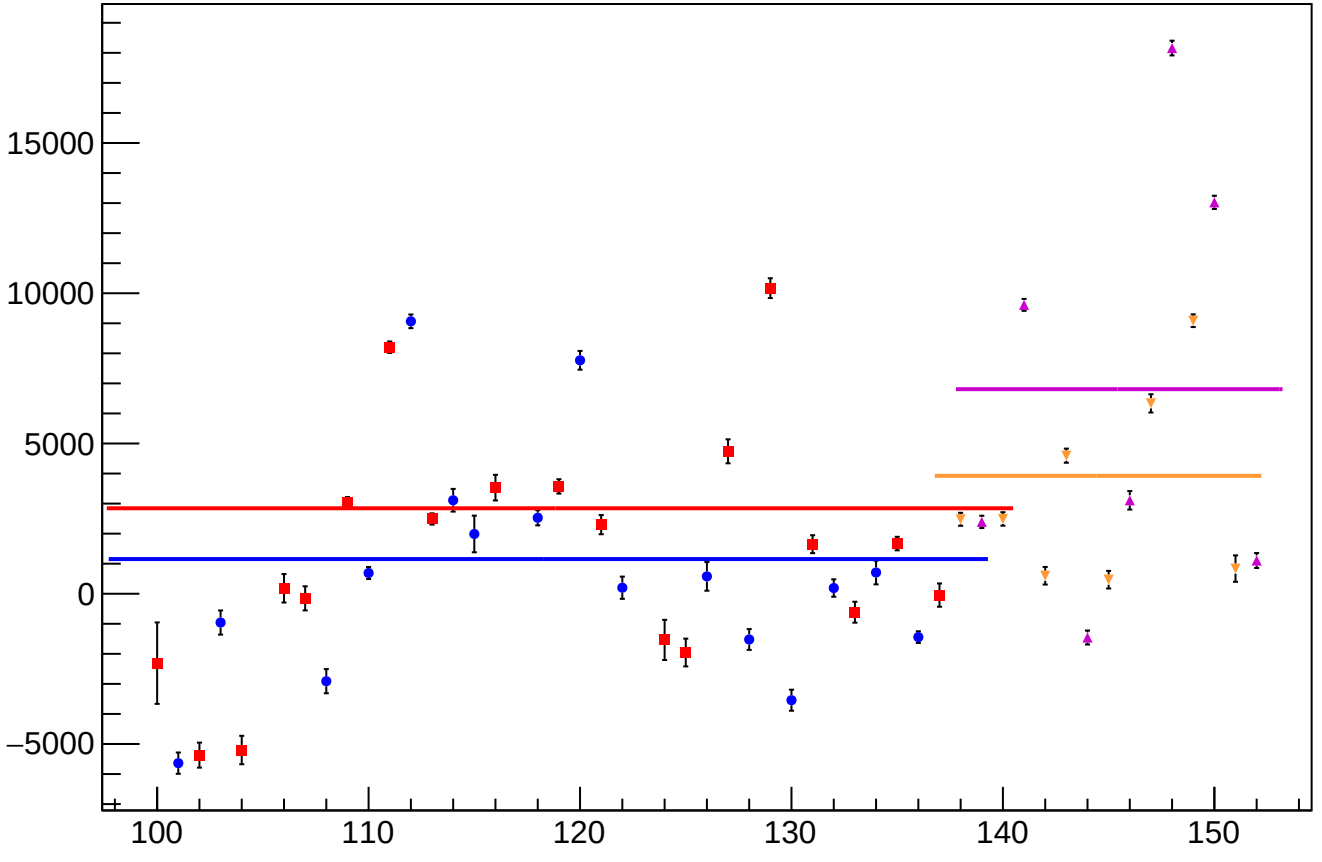
Left In: 199.700+/-0.060 χ^2/NDF:244889.7/6

+ sign 191.224+/-0.038 χ^2/NDF: 1369702.4/23

All: 185.282+/-0.026 χ^2/NDF: 2812875.2/49

- sign 179.980+/-0.036 χ^2/NDF: 1398076.7/25

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 3924.430+/-90.916 χ^2/NDF:1071.7/7

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

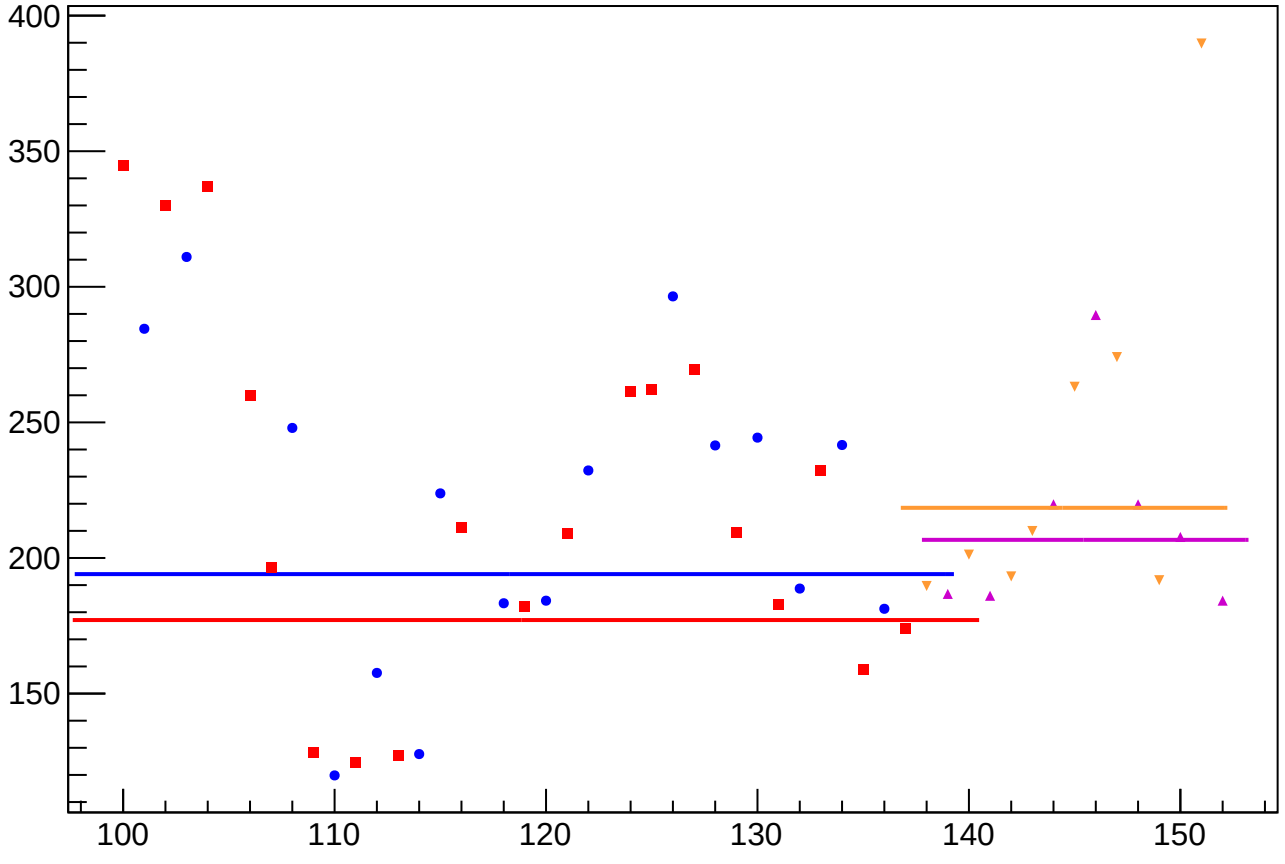
Left In: 6807.463+/-87.283 χ^2/NDF:5522.9/6

+ sign 2292.734+/-58.291 χ^2/NDF: 4274.0/23

All: 3407.974+/-39.691 χ^2/NDF: 14199.6/49

- sign 4372.037+/-54.196 χ^2/NDF: 9243.1/25

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 218.502+/-0.064 χ^2/NDF:513736.4/7

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

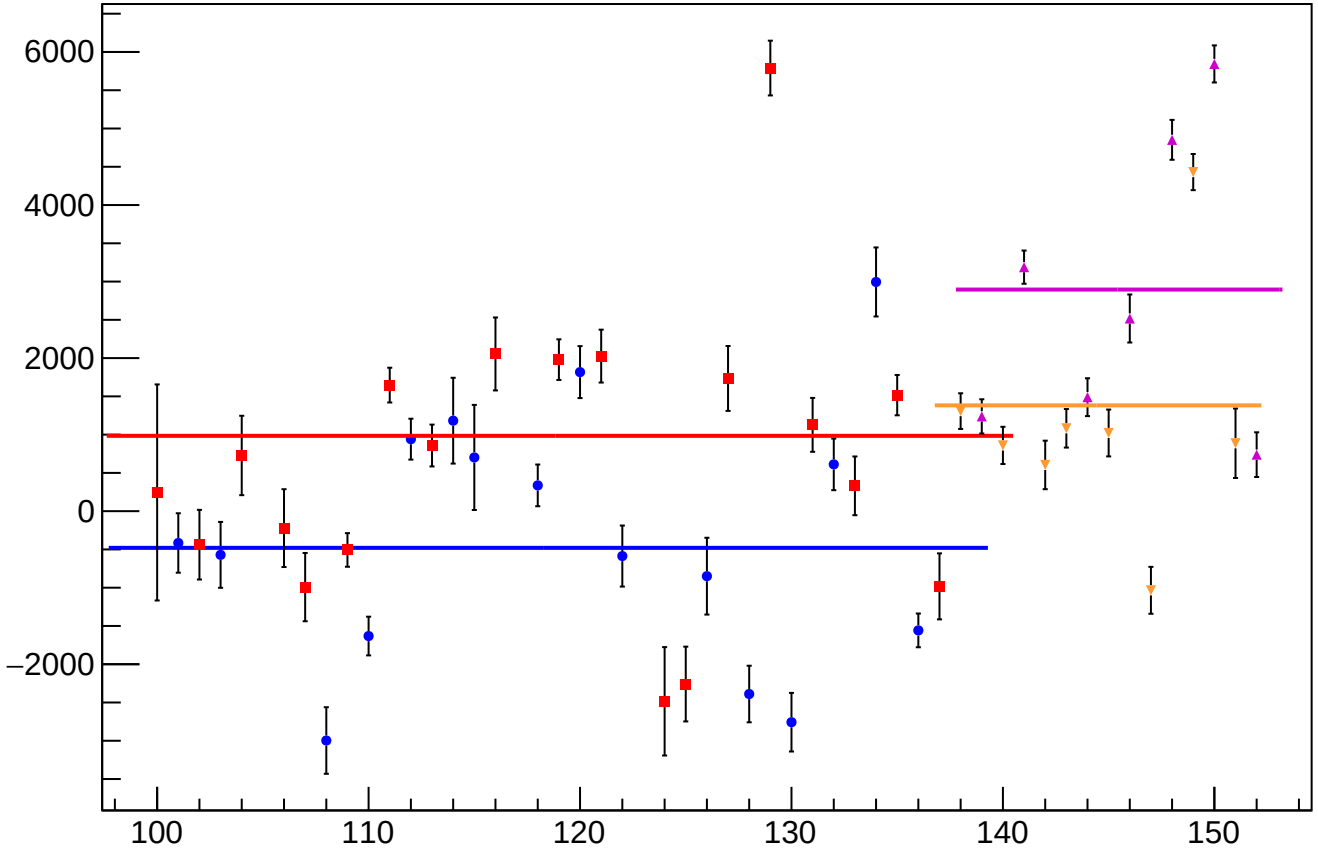
Left In: 206.690+/-0.062 χ^2/NDF:213463.8/6

+ sign 204.103+/-0.041 χ^2/NDF: 1564700.2/23

All: 195.744+/-0.028 χ^2/NDF: 3355293.7/49

- sign 188.518+/-0.038 χ^2/NDF: 1713907.6/25

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1382.392+/-97.528 χ^2/NDF:243.6/7

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

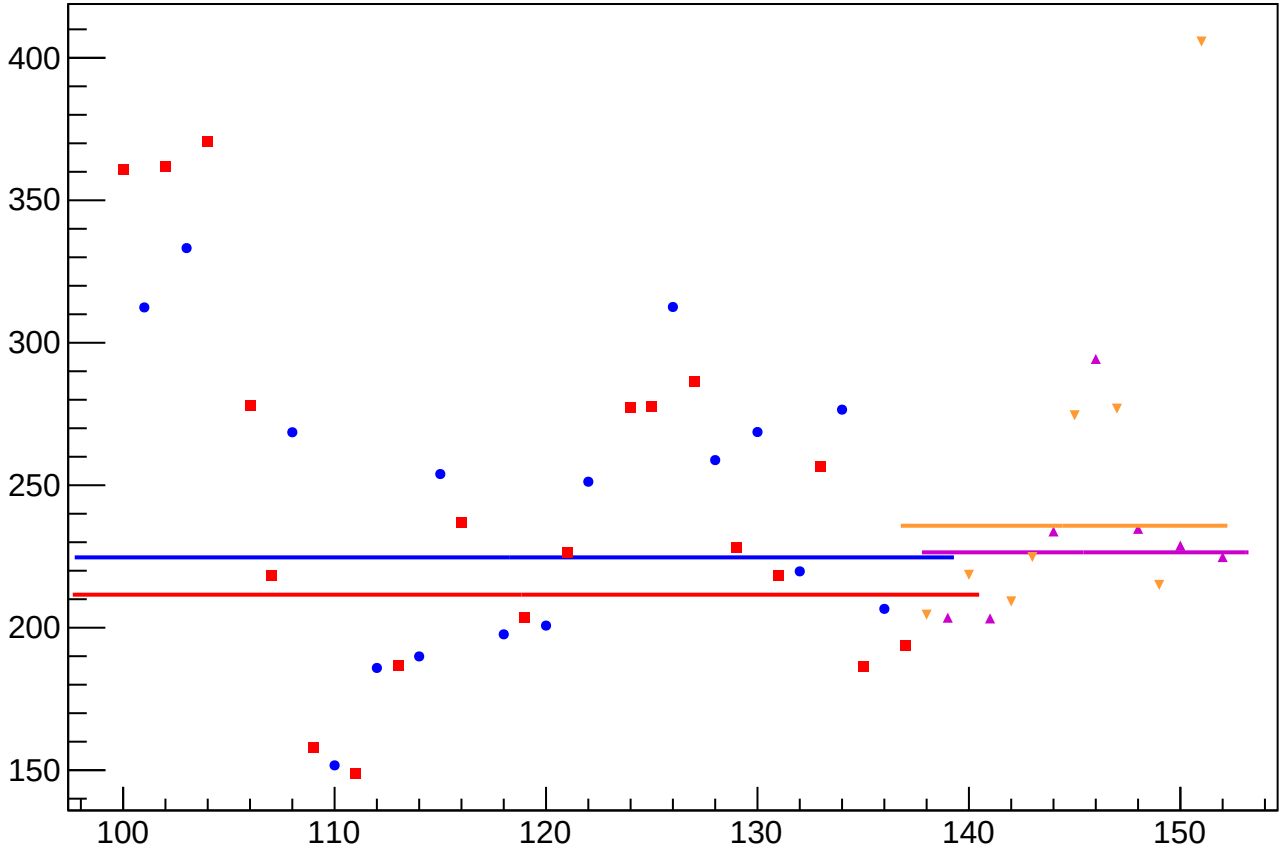
Left In: 2895.724+/-94.814 χ^2/NDF:349.5/6

+ sign 342.341+/-64.791 χ^2/NDF: 752.6/23

All: 1103.269+/-44.629 χ^2/NDF: 1997.7/49

- sign 1790.236+/-61.562 χ^2/NDF: 982.7/25

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.789+/-0.069 χ^2/NDF:427627.2/7

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

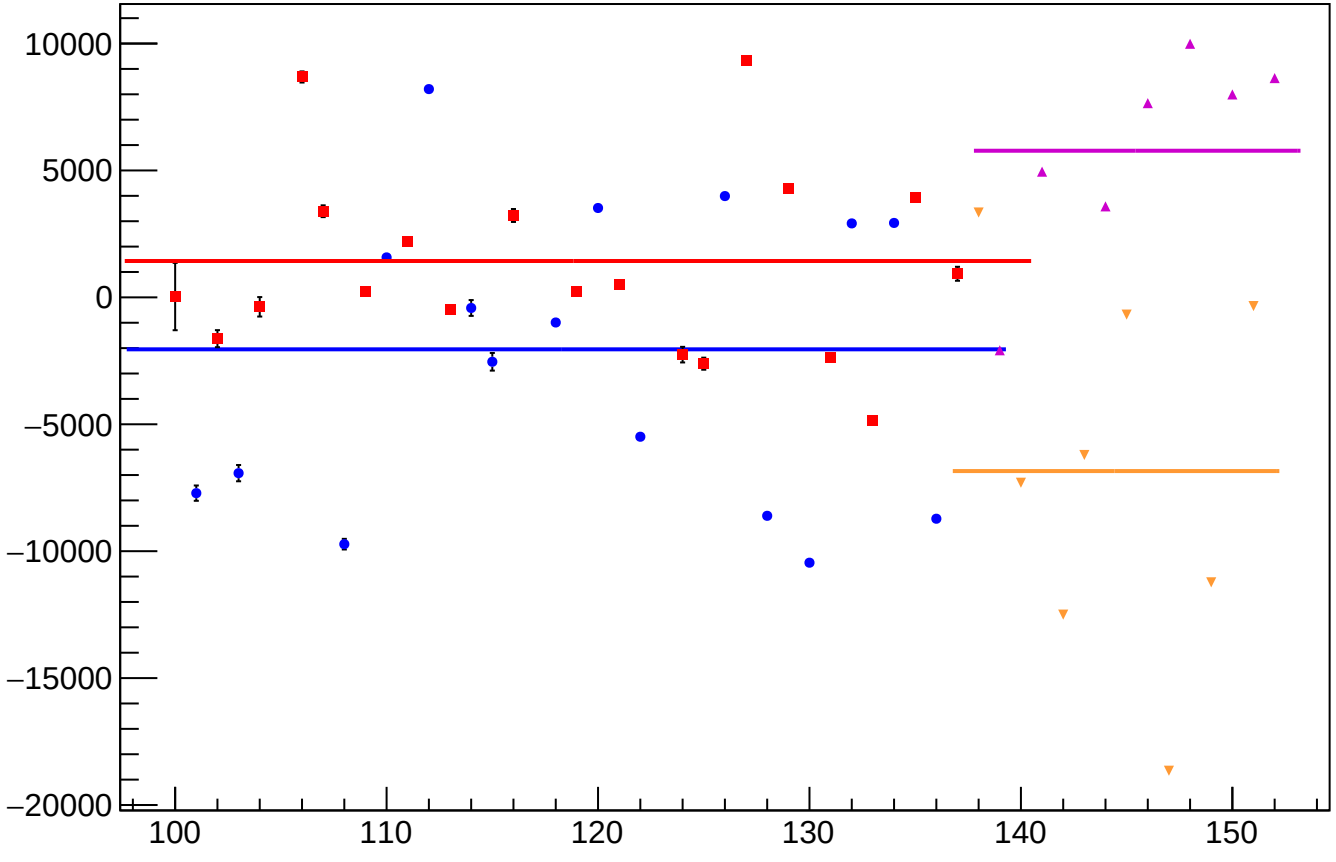
Left In: 226.452+/-0.067 χ^2/NDF:141511.9/6

+ sign 229.584+/-0.046 χ^2/NDF: 1095309.7/23

All: 223.422+/-0.032 χ^2/NDF: 2232556.0/49

- sign 217.859+/-0.044 χ^2/NDF: 1102821.0/25

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -6843.445+/-45.713 χ^2/NDF:22907.2/7

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

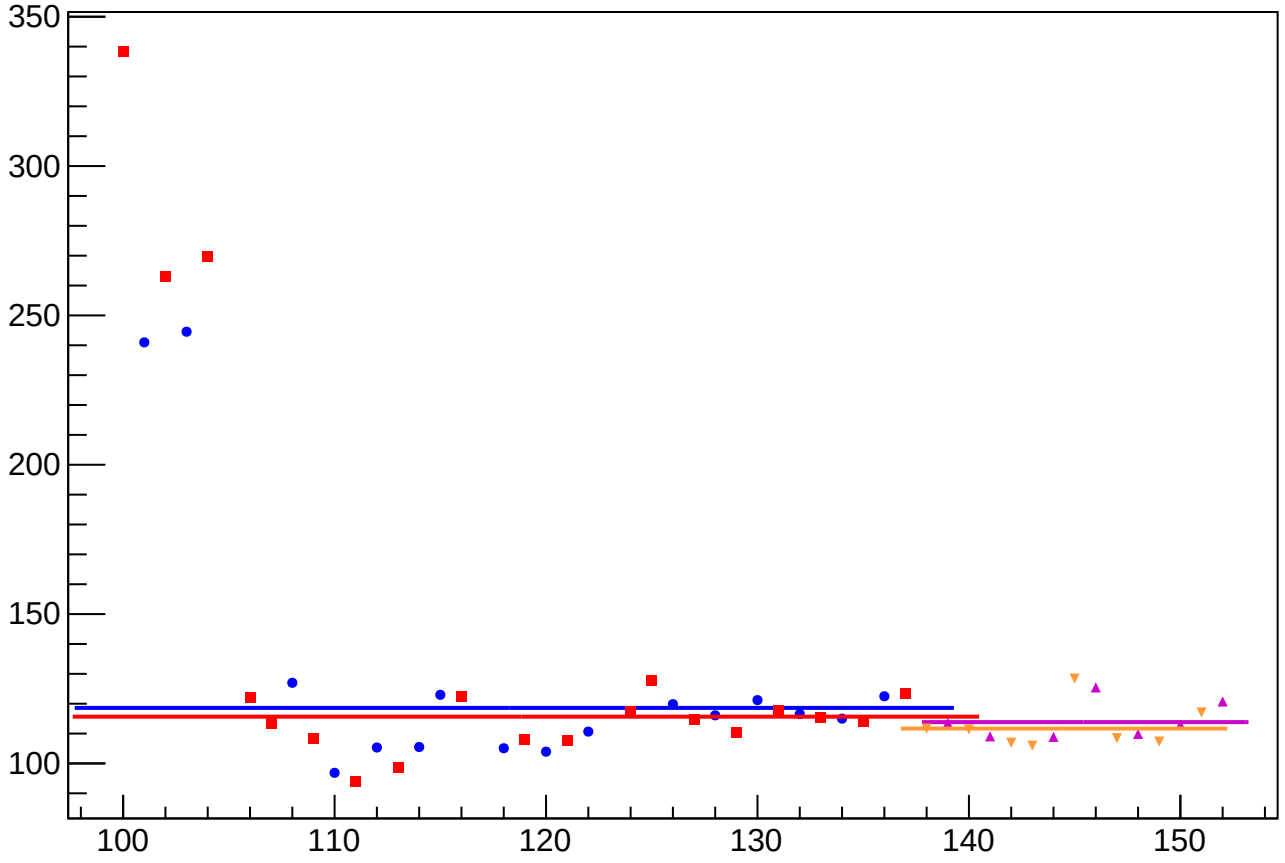
Left In: 5776.871+/-46.669 χ^2/NDF:6476.5/6

+ sign -4497.671+/-32.675 χ^2/NDF: 45000.2/23

All: -445.253+/-22.968 χ^2/NDF: 92784.9/49

- sign 3512.749+/-32.292 χ^2/NDF: 17380.1/25

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.677+/-0.032 χ^2/NDF:40557.6/7

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

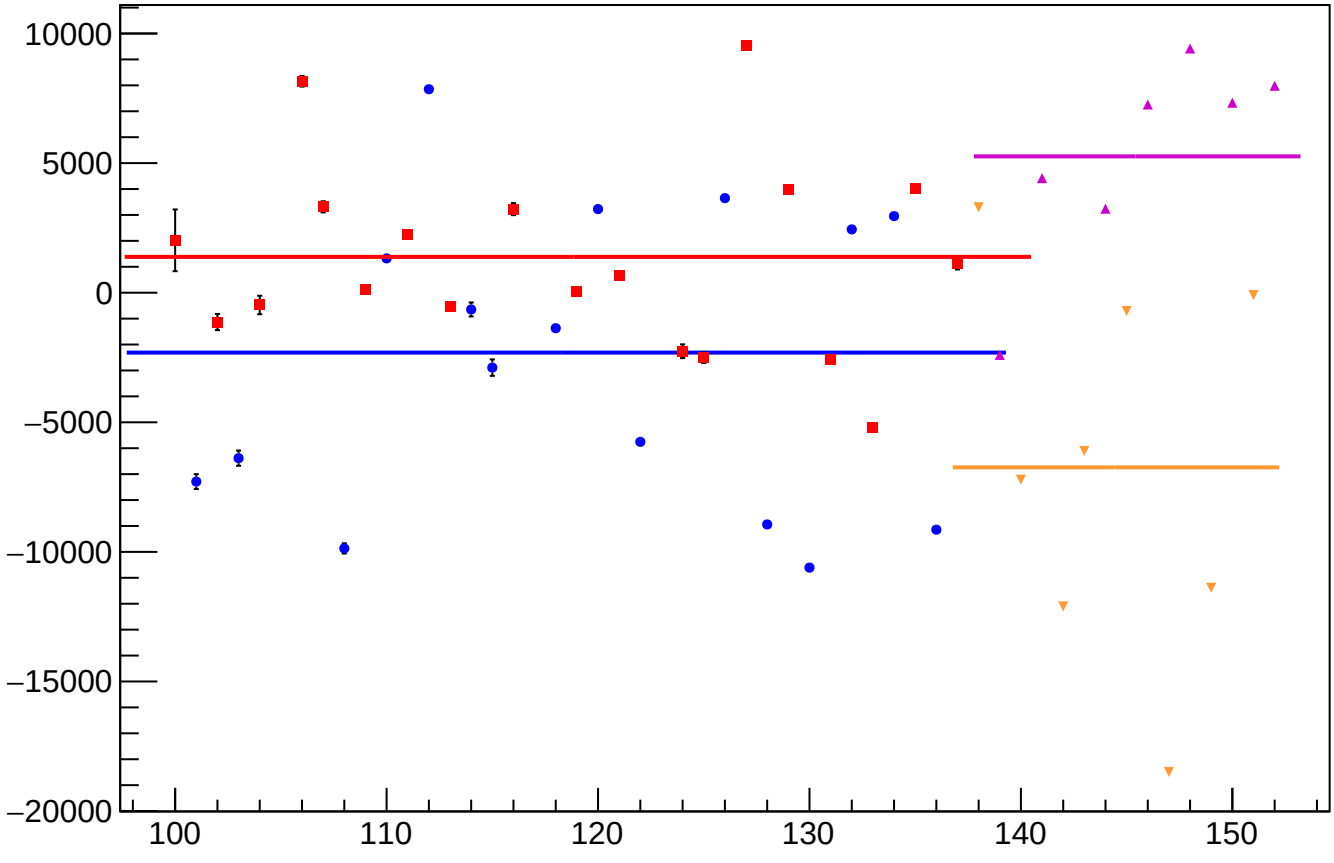
Left In: 113.836+/-0.033 χ^2/NDF:29788.9/6

+ sign 115.061+/-0.023 χ^2/NDF: 797125.9/23

All: 114.922+/-0.016 χ^2/NDF: 1692785.1/49

- sign 114.786+/-0.023 χ^2/NDF: 895587.7/25

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -6738.735+/-41.771 χ^2/NDF:27298.6/7

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

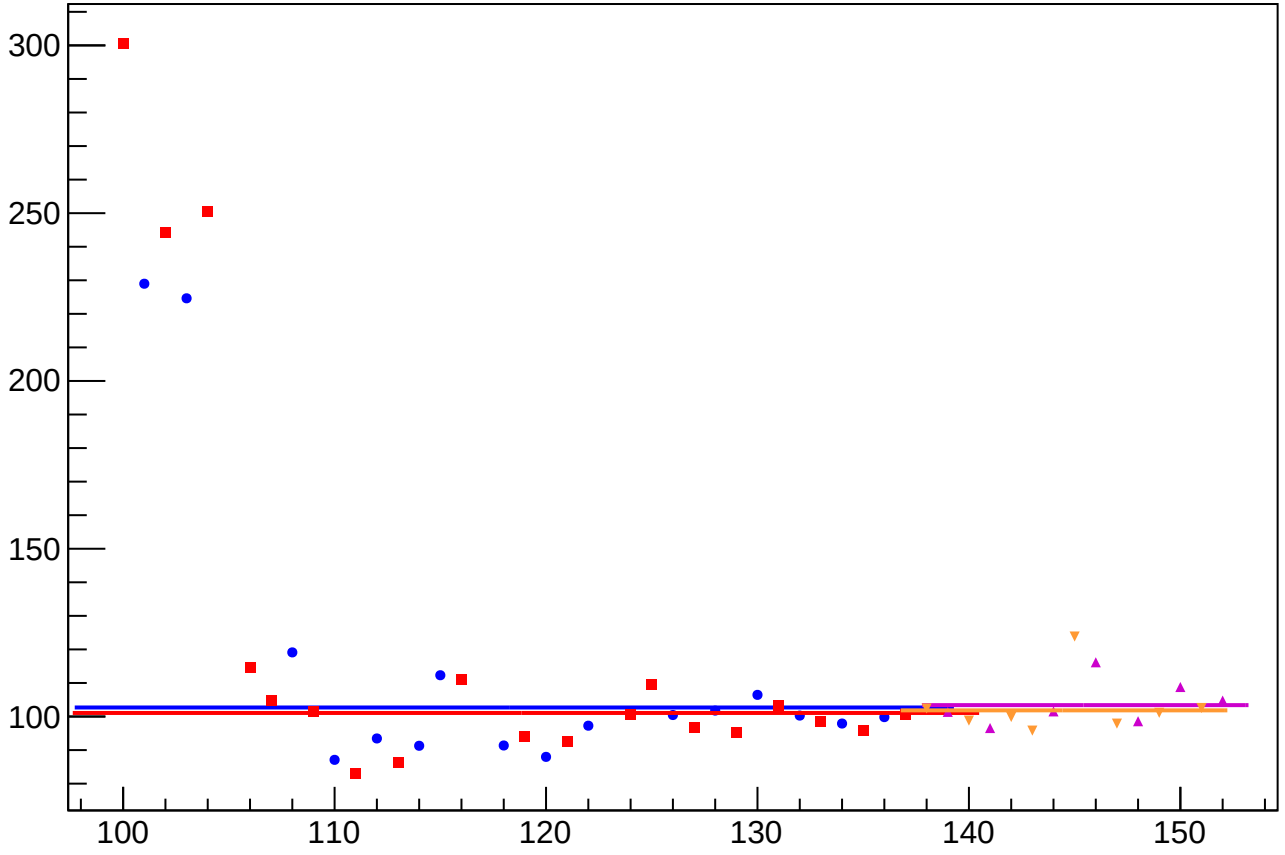
Left In: 5260.527+/-42.449 χ^2/NDF:7582.4/6

+ sign -4469.046+/-29.163 χ^2/NDF: 54738.4/23

All: -606.798+/-20.512 χ^2/NDF: 110100.1/49

- sign 3174.234+/-28.855 χ^2/NDF: 20651.7/25

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 101.838+/-0.030 χ^2/NDF:60358.5/7

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

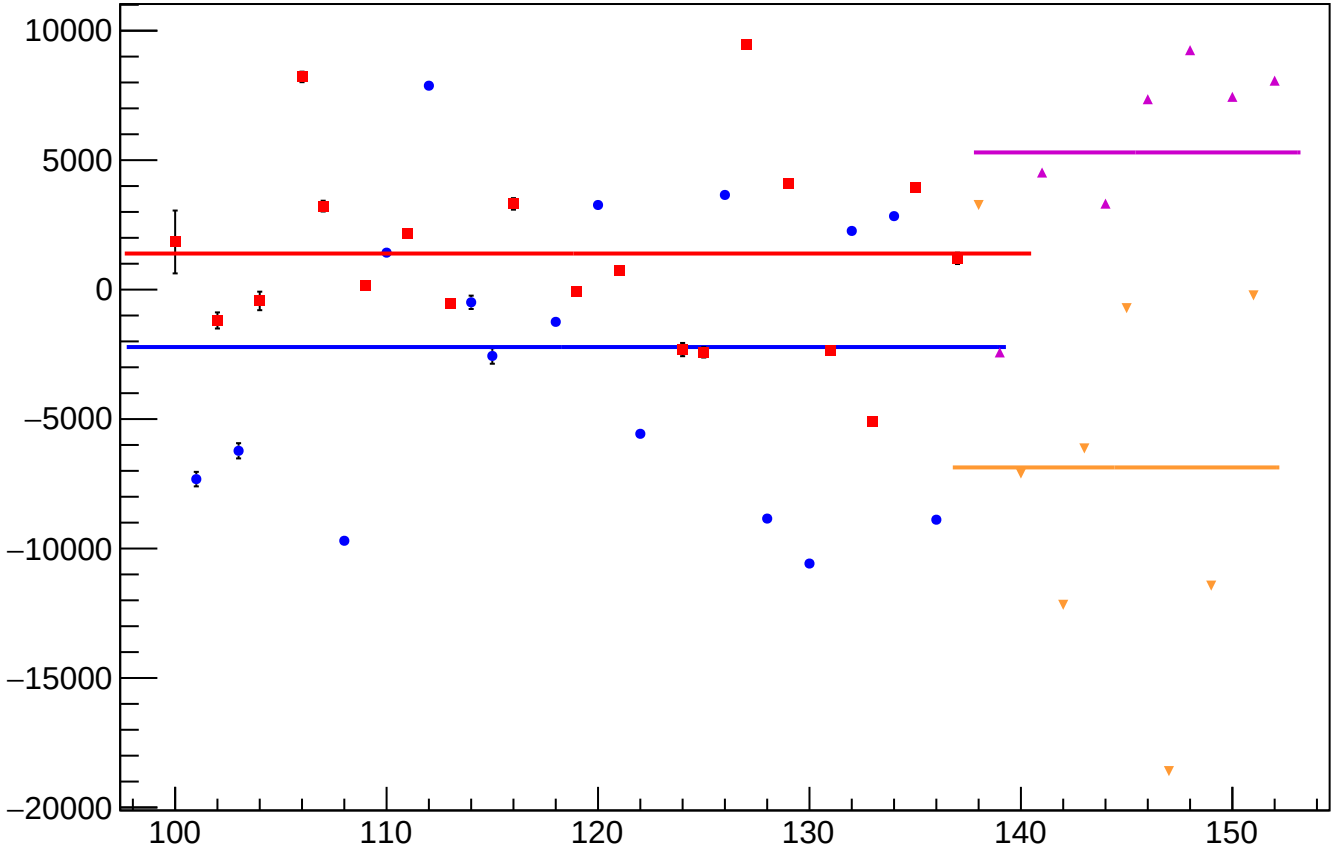
Left In: 103.397+/-0.030 χ^2/NDF:39439.3/6

+ sign 102.277+/-0.021 χ^2/NDF: 886590.3/23

All: 102.208+/-0.015 χ^2/NDF: 1859760.7/49

- sign 102.142+/-0.020 χ^2/NDF: 973148.8/25

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -6867.612+/-40.515 χ^2/NDF:29591.2/7

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

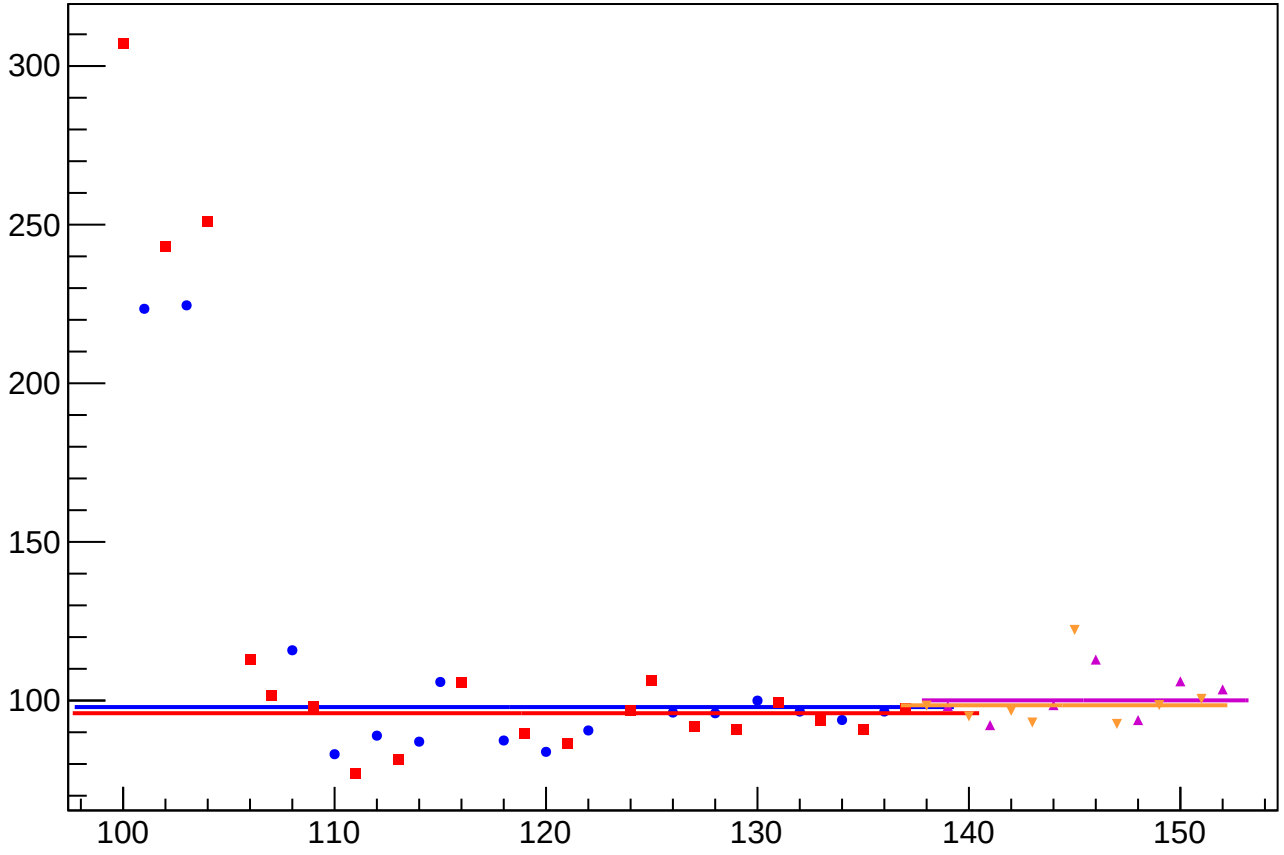
Left In: 5298.219+/-41.192 χ^2/NDF:8027.9/6

+ sign -4456.557+/-28.112 χ^2/NDF: 59461.2/23

All: -596.974+/-19.753 χ^2/NDF: 118777.5/49

- sign 3167.184+/-27.762 χ^2/NDF: 22083.8/25

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 98.501+/-0.029 χ^2/NDF:73766.7/7

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

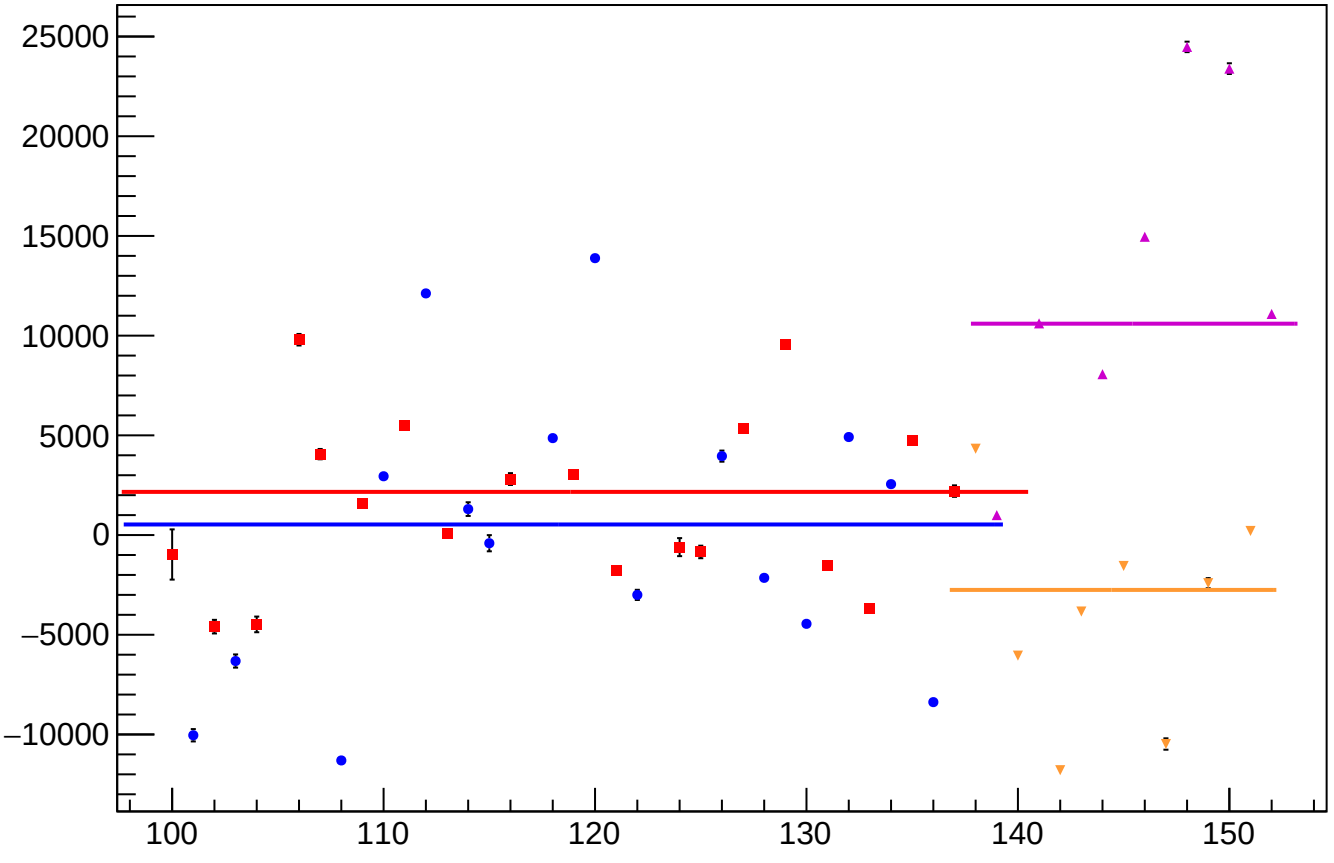
Left In: 100.059+/-0.029 χ^2/NDF:50311.7/6

+ sign 98.212+/-0.020 χ^2/NDF: 942111.4/23

All: 98.027+/-0.014 χ^2/NDF: 2015456.1/49

- sign 97.846+/-0.020 χ^2/NDF: 1073173.5/25

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2751.225+/-68.404 χ^2/NDF:5067.9/7

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

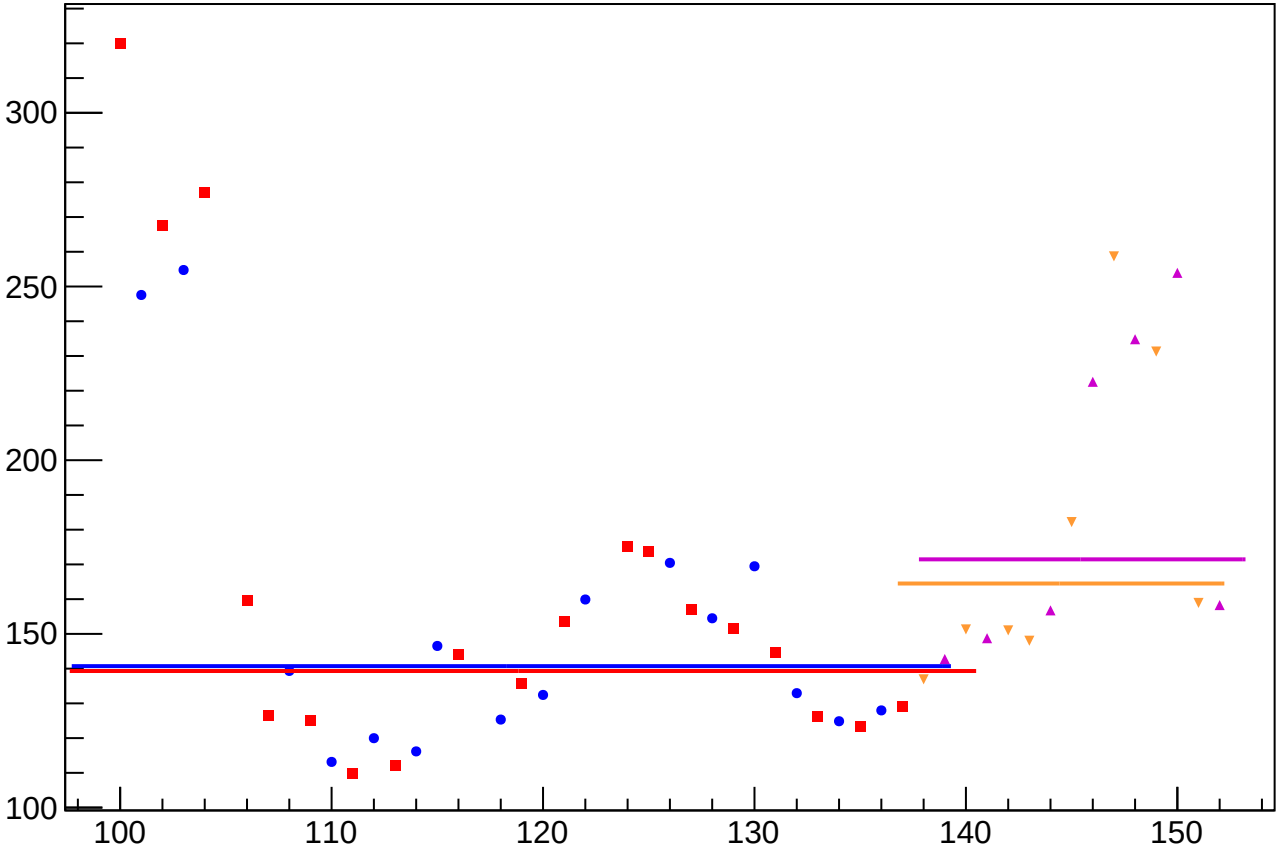
Left In: 10599.621+/-71.846 χ^2/NDF:9329.0/6

+ sign -753.885+/-42.794 χ^2/NDF: 25056.4/23

All: 2201.852+/-30.293 χ^2/NDF: 57785.6/49

- sign 5170.630+/-42.888 χ^2/NDF: 23167.2/25

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 164.502+/-0.048 χ^2/NDF:474069.8/7

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

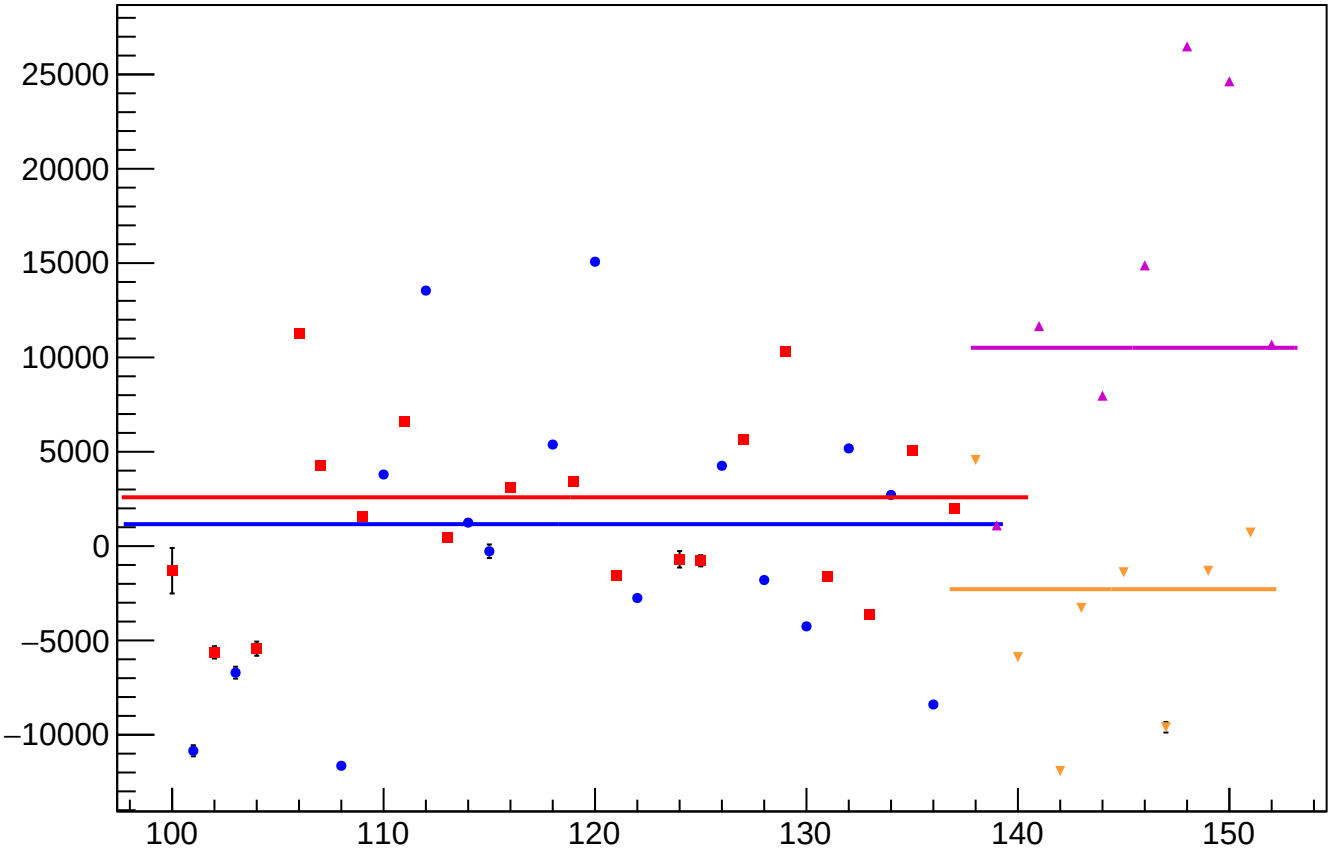
Left In: 171.459+/-0.051 χ^2/NDF:532540.9/6

+ sign 150.025+/-0.030 χ^2/NDF: 1296884.2/23

All: 150.397+/-0.021 χ^2/NDF: 2889680.6/49

- sign 150.770+/-0.030 χ^2/NDF: 1592493.8/25

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2282.983+/-61.500 χ^2/NDF:6537.2/7

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

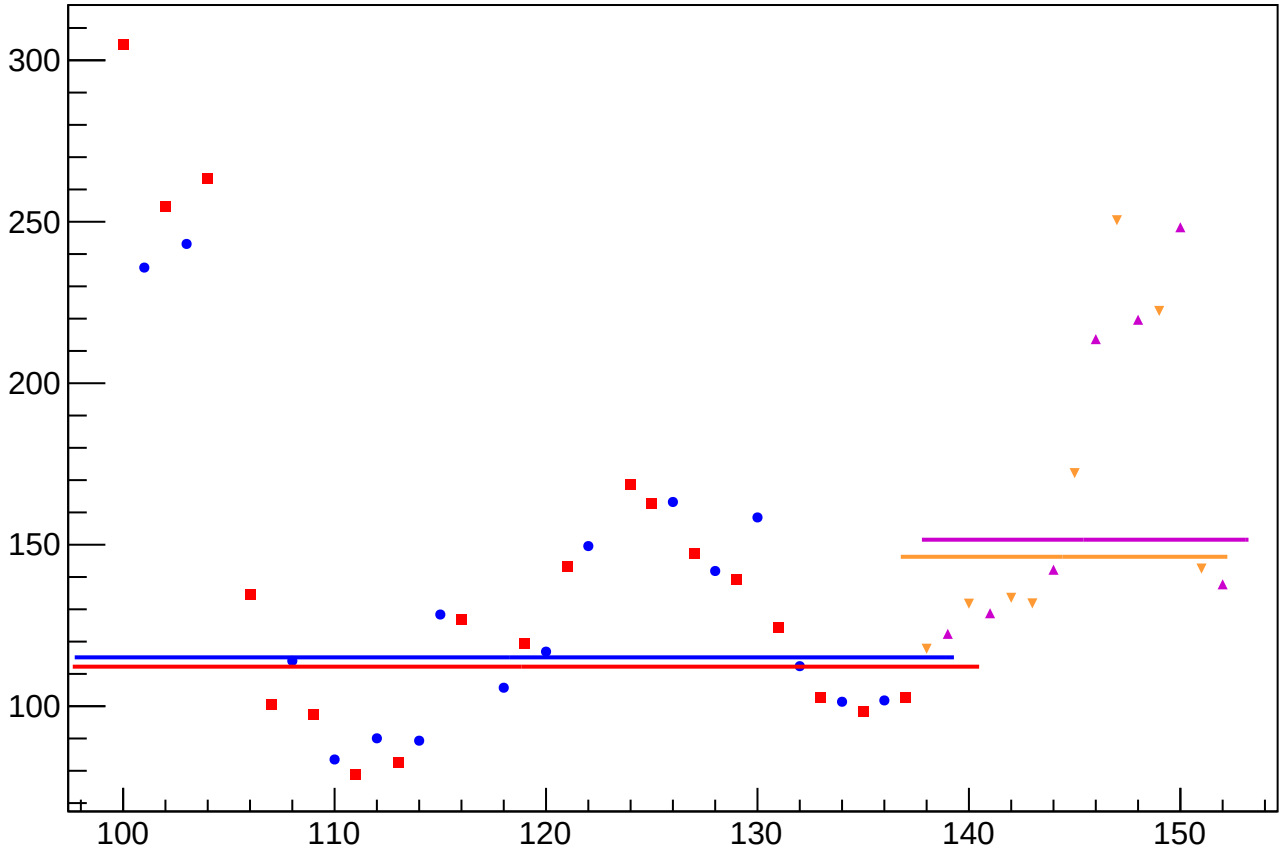
Left In: 10512.619+/-64.459 χ^2/NDF:12549.3/6

+ sign -70.855+/-36.800 χ^2/NDF: 39307.0/23

All: 2549.902+/-25.909 χ^2/NDF: 80288.2/49

- sign 5125.962+/-36.485 χ^2/NDF: 30924.2/25

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 146.263+/-0.043 χ^2/NDF:650260.0/7

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

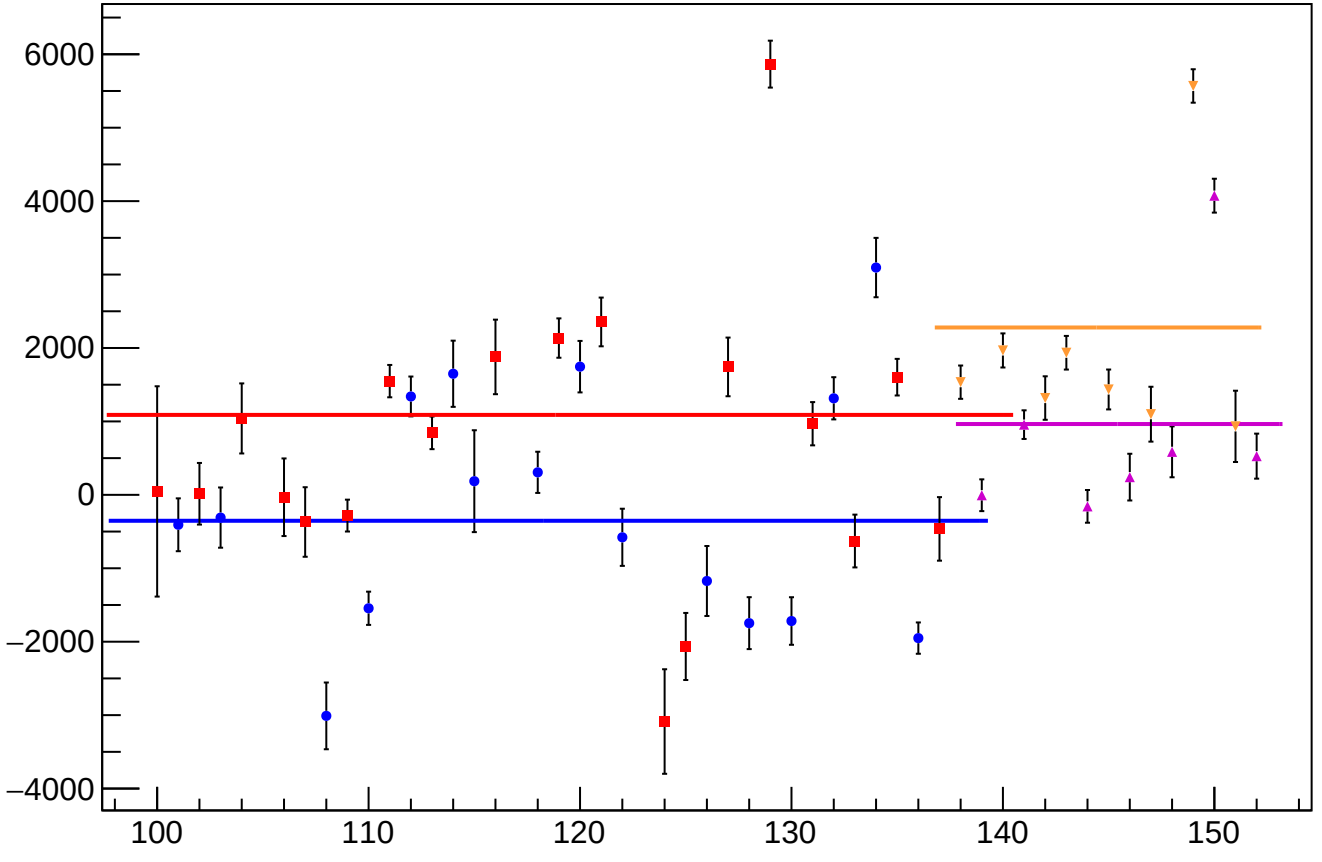
Left In: 151.552+/-0.046 χ^2/NDF:742139.9/6

+ sign 126.274+/-0.026 χ^2/NDF: 2092355.6/23

All: 125.548+/-0.018 χ^2/NDF: 4669732.2/49

- sign 124.835+/-0.026 χ^2/NDF: 2575834.4/25

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 2279.205+/-94.205 χ^2/NDF:261.3/7

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

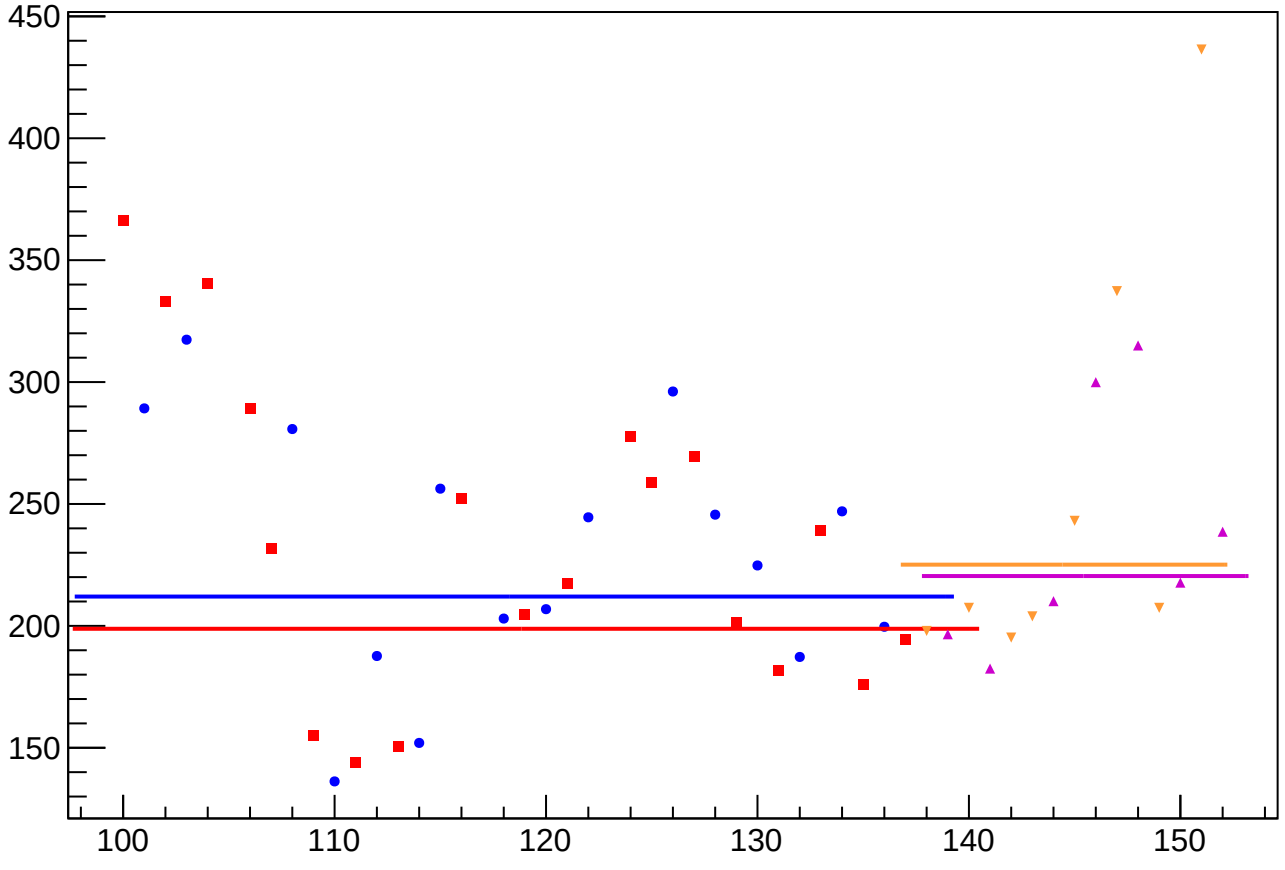
Left In: 964.450+/-93.069 χ^2/NDF:235.6/6

+ sign 783.719+/-61.909 χ^2/NDF: 1066.7/23

All: 917.173+/-42.738 χ^2/NDF: 1759.4/49

- sign 1038.676+/-59.072 χ^2/NDF: 683.9/25

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 225.114+/-0.067 χ^2/NDF:657934.5/7

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

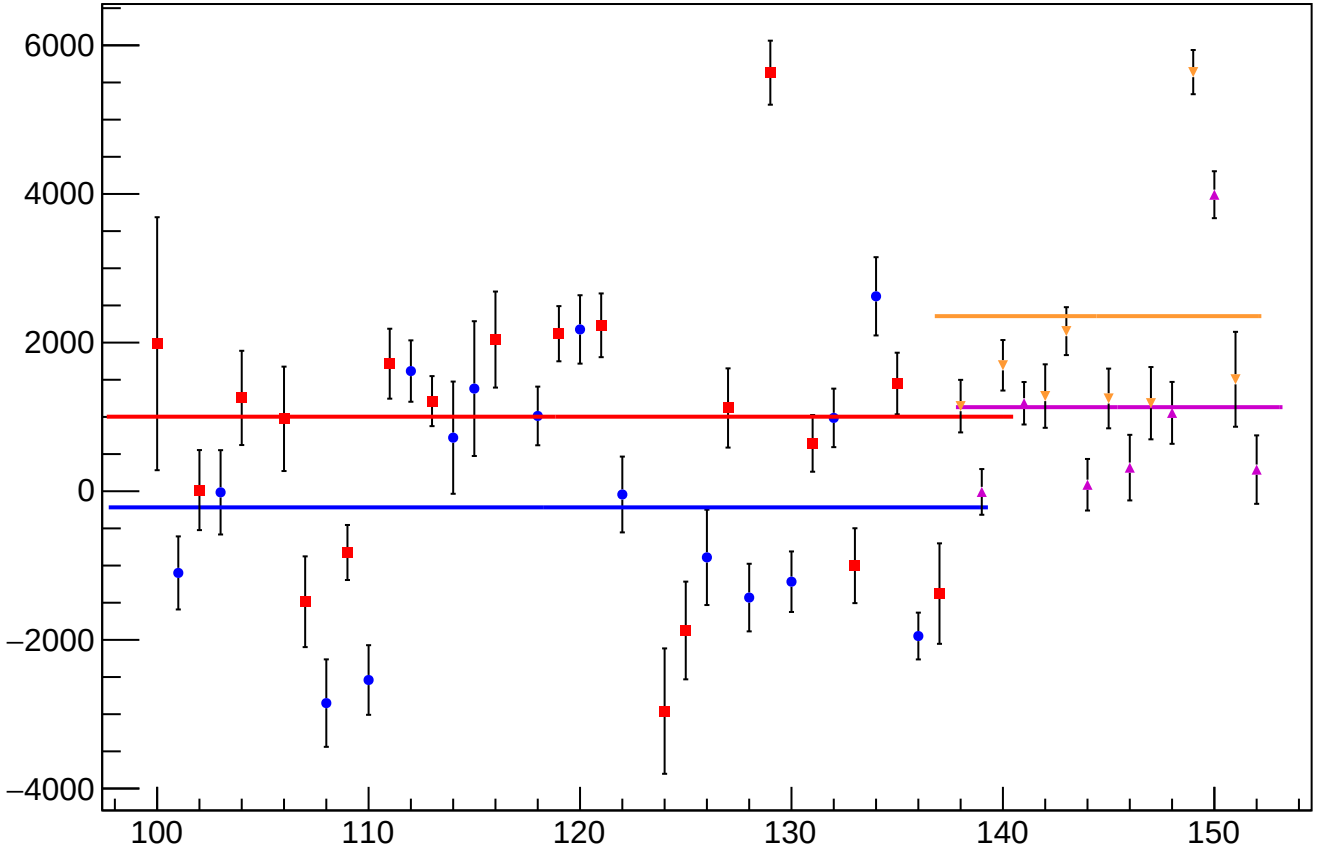
Left In: 220.442+/-0.066 χ^2/NDF:385543.5/6

+ sign 217.679+/-0.044 χ^2/NDF: 1370221.0/23

All: 212.364+/-0.030 χ^2/NDF: 2823383.8/49

- sign 207.524+/-0.042 χ^2/NDF: 1424993.6/25

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 2355.985+/-133.695 χ^2/NDF:159.4/7

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

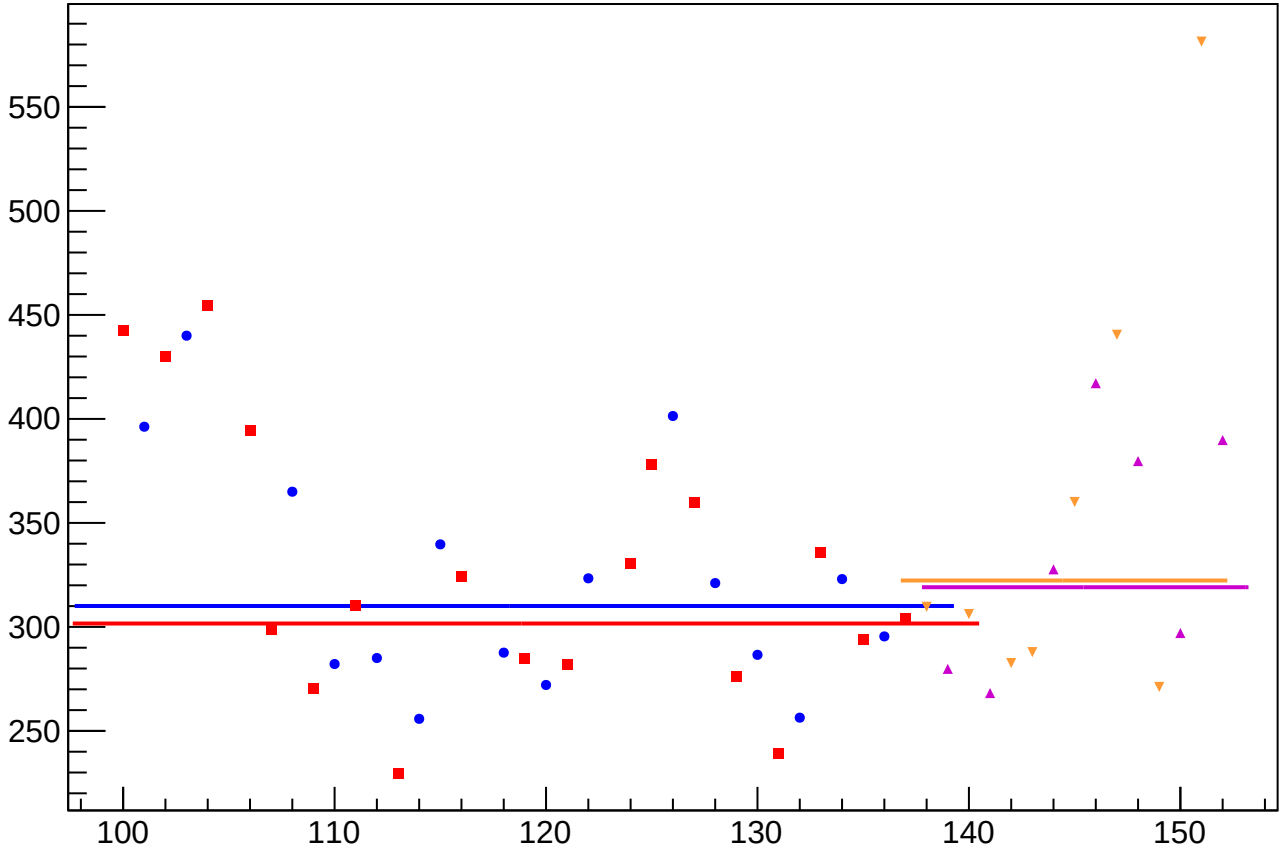
Left In: 1131.318+/-132.733 χ^2/NDF:111.5/6

+ sign 908.483+/-88.422 χ^2/NDF: 559.9/23

All: 984.730+/-61.683 χ^2/NDF: 927.8/49

- sign 1057.010+/-86.091 χ^2/NDF: 366.4/25

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 322.319+/-0.095 χ^2/NDF:571288.3/7

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

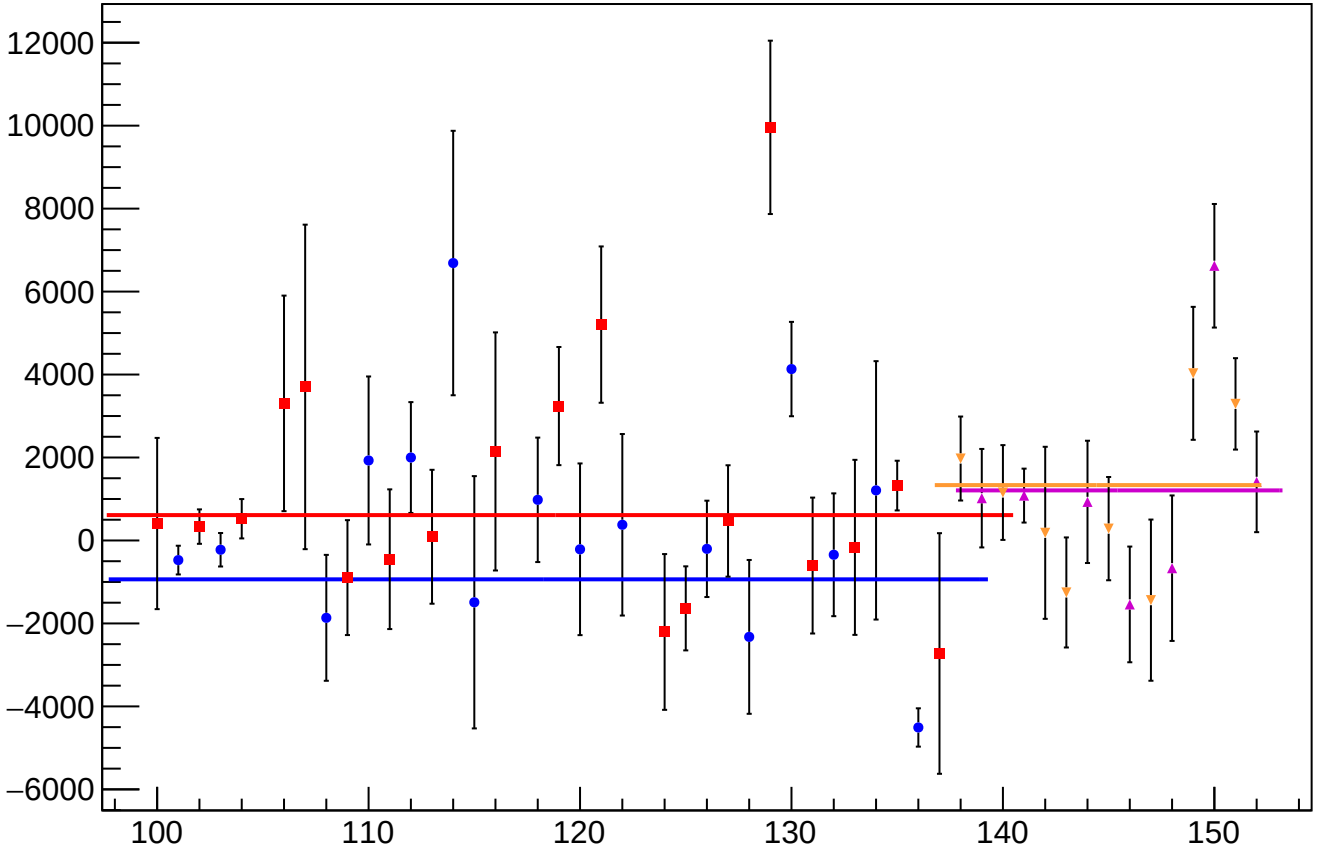
Left In: 319.079+/-0.094 χ^2/NDF:295334.1/6

+ sign 315.423+/-0.063 χ^2/NDF: 904028.8/23

All: 312.113+/-0.044 χ^2/NDF: 1744718.6/49

- sign 308.974+/-0.061 χ^2/NDF: 835228.7/25

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1334.766+/-462.940 χ^2/NDF:13.3/7

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

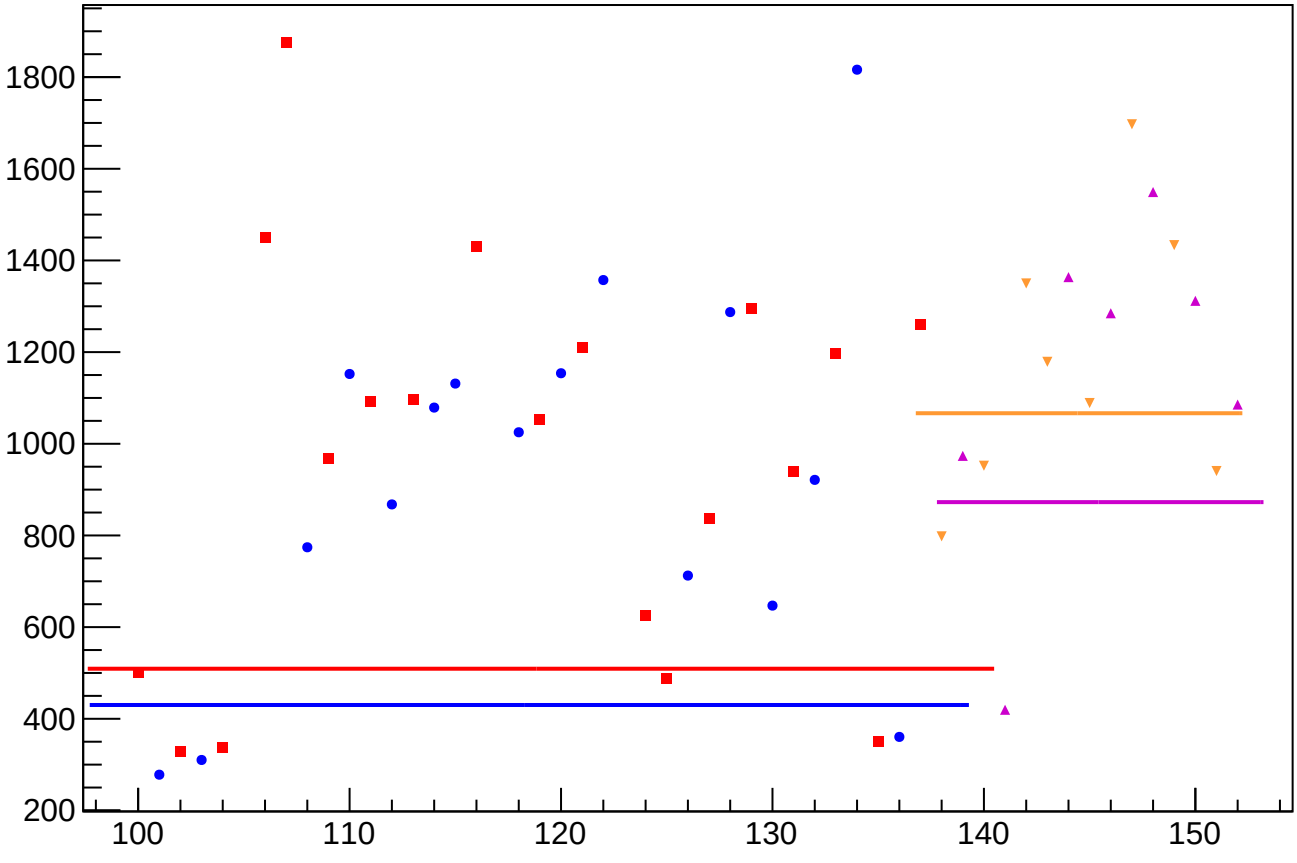
Left In: 1207.093+/-426.171 χ^2/NDF:18.4/6

+ sign -565.377+/-187.227 χ^2/NDF: 134.6/23

All: 33.767+/-138.105 χ^2/NDF: 221.1/49

- sign 748.821+/-204.538 χ^2/NDF: 64.0/25

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1066.653+/-0.327 χ^2/NDF:554694.7/7

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

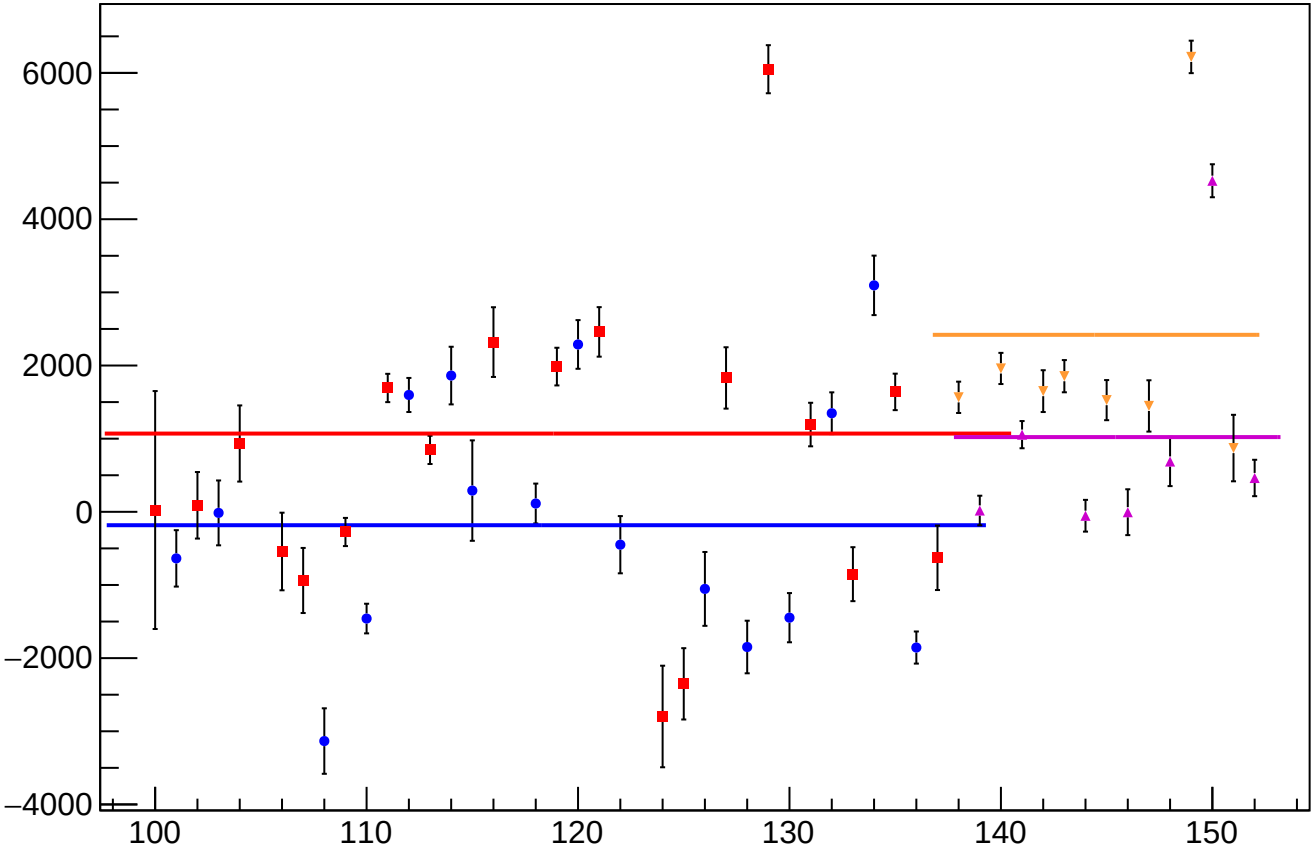
Left In: 872.701+/-0.301 χ^2/NDF:1915411.5/6

+ sign 534.226+/-0.132 χ^2/NDF: 7239327.0/23

All: 561.002+/-0.098 χ^2/NDF: 14037546.0/49

- sign 592.958+/-0.145 χ^2/NDF: 6708494.2/25

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 2419.606+/-90.058 χ^2/NDF:357.3/7

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

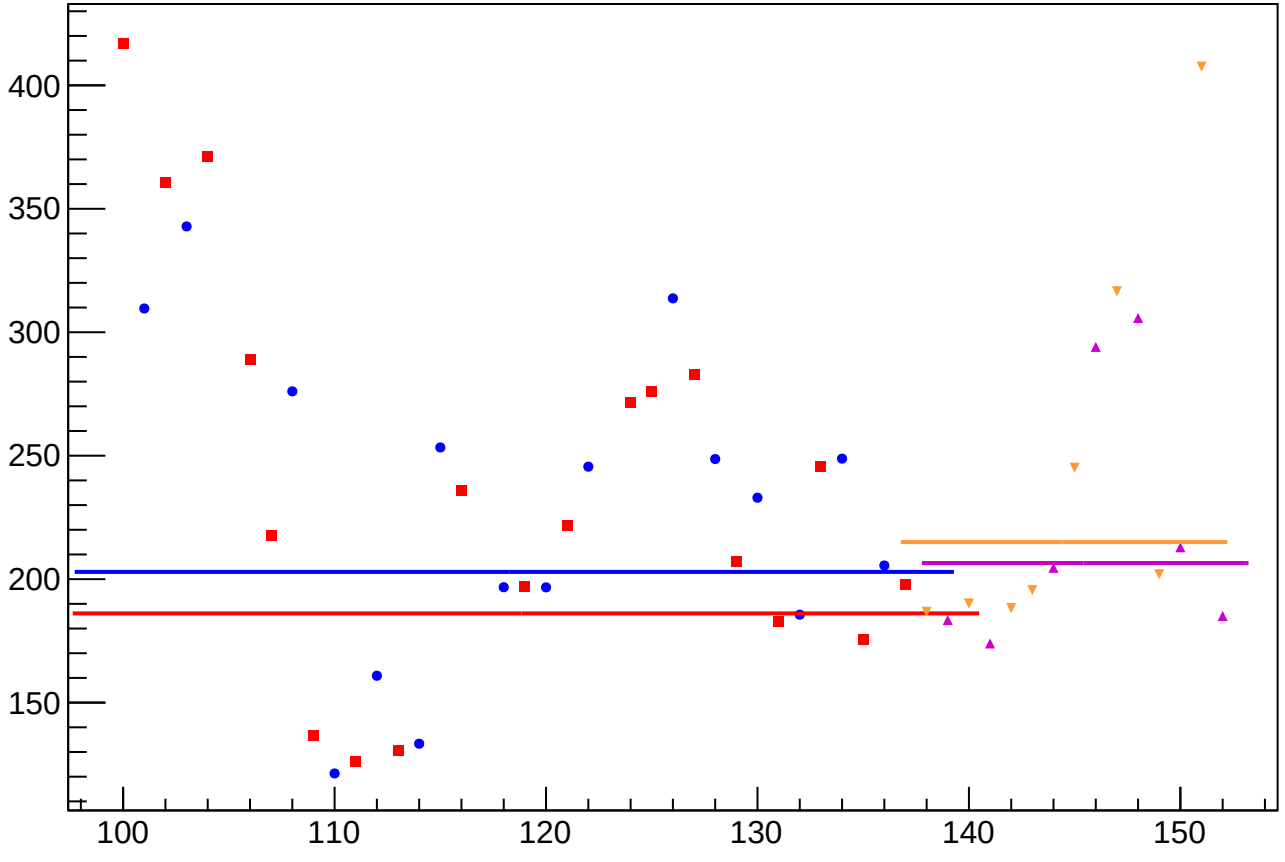
Left In: 1021.742+/-87.904 χ^2/NDF:307.2/6

+ sign 962.706+/-59.752 χ^2/NDF: 1242.5/23

All: 1009.100+/-40.933 χ^2/NDF: 2043.3/49

- sign 1050.123+/-56.187 χ^2/NDF: 799.6/25

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 215.022+/-0.064 χ^2/NDF:652938.2/7

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

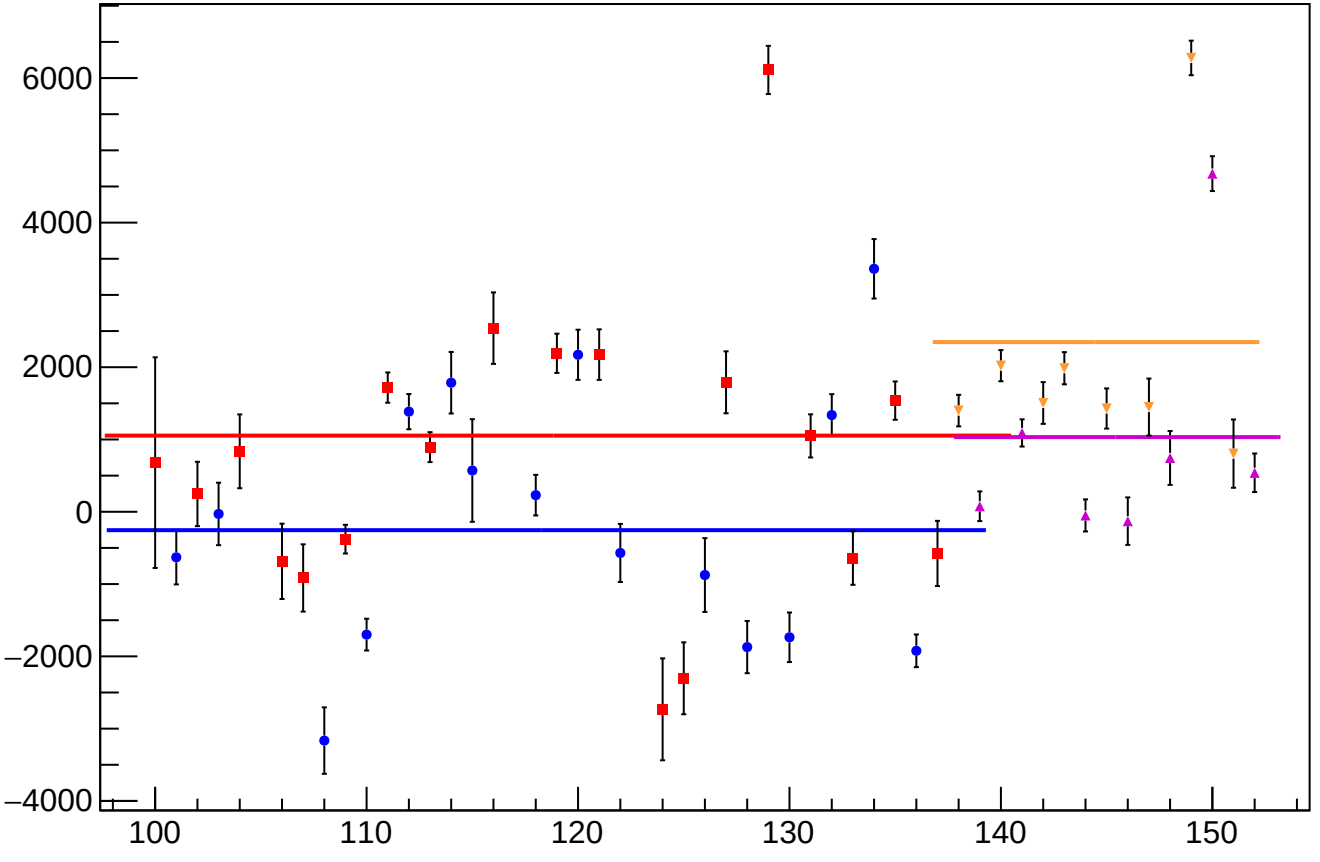
Left In: 206.541+/-0.062 χ^2/NDF:434165.3/6

+ sign 208.259+/-0.042 χ^2/NDF: 1744942.8/23

All: 200.940+/-0.029 χ^2/NDF: 3781095.7/49

- sign 194.469+/-0.040 χ^2/NDF: 1979611.2/25

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 2347.257+/-92.806 χ^2/NDF:330.0/7

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

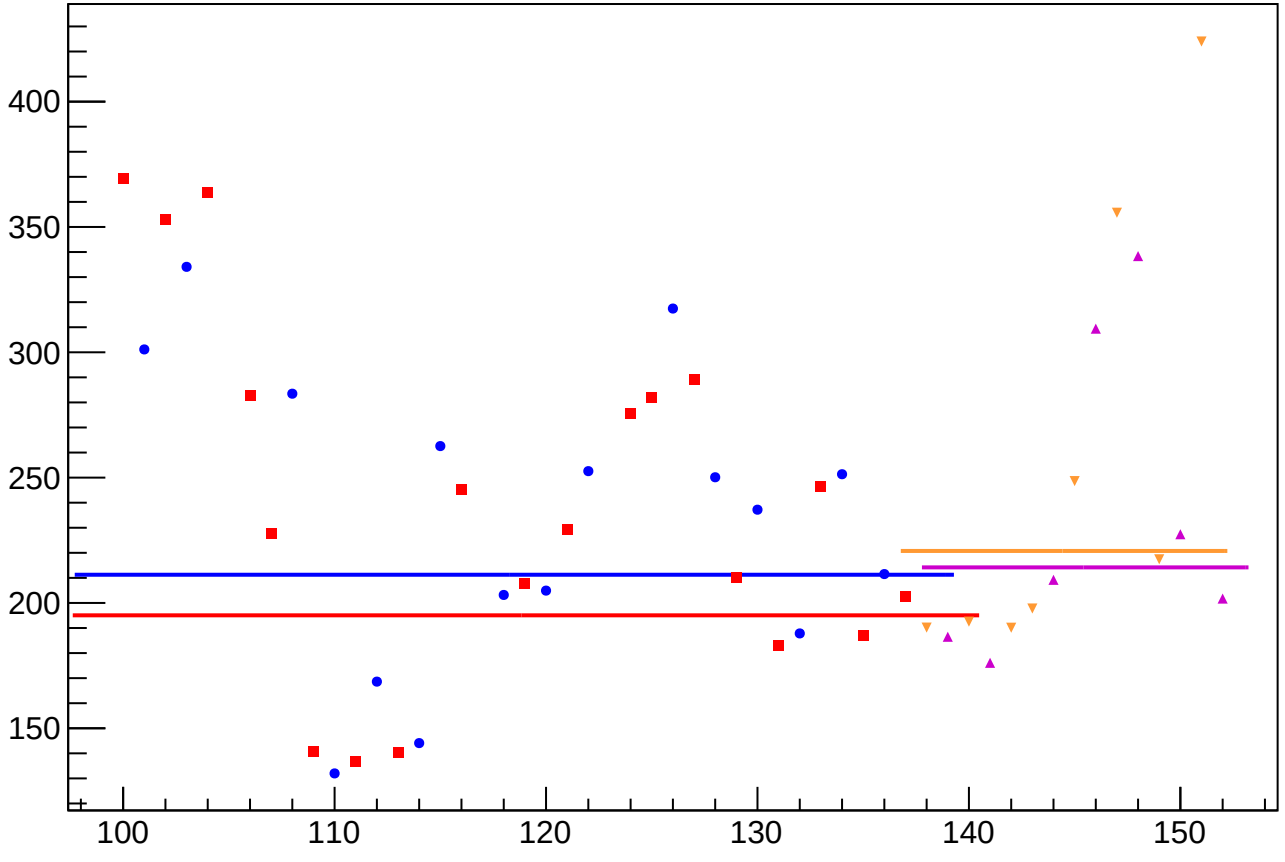
Left In: 1033.021+/-91.303 χ^2/NDF:291.0/6

+ sign 893.807+/-61.655 χ^2/NDF: 1178.4/23

All: 973.639+/-42.398 χ^2/NDF: 1950.2/49

- sign 1045.258+/-58.398 χ^2/NDF: 768.7/25

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 220.745+/-0.066 χ^2/NDF:742309.8/7

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

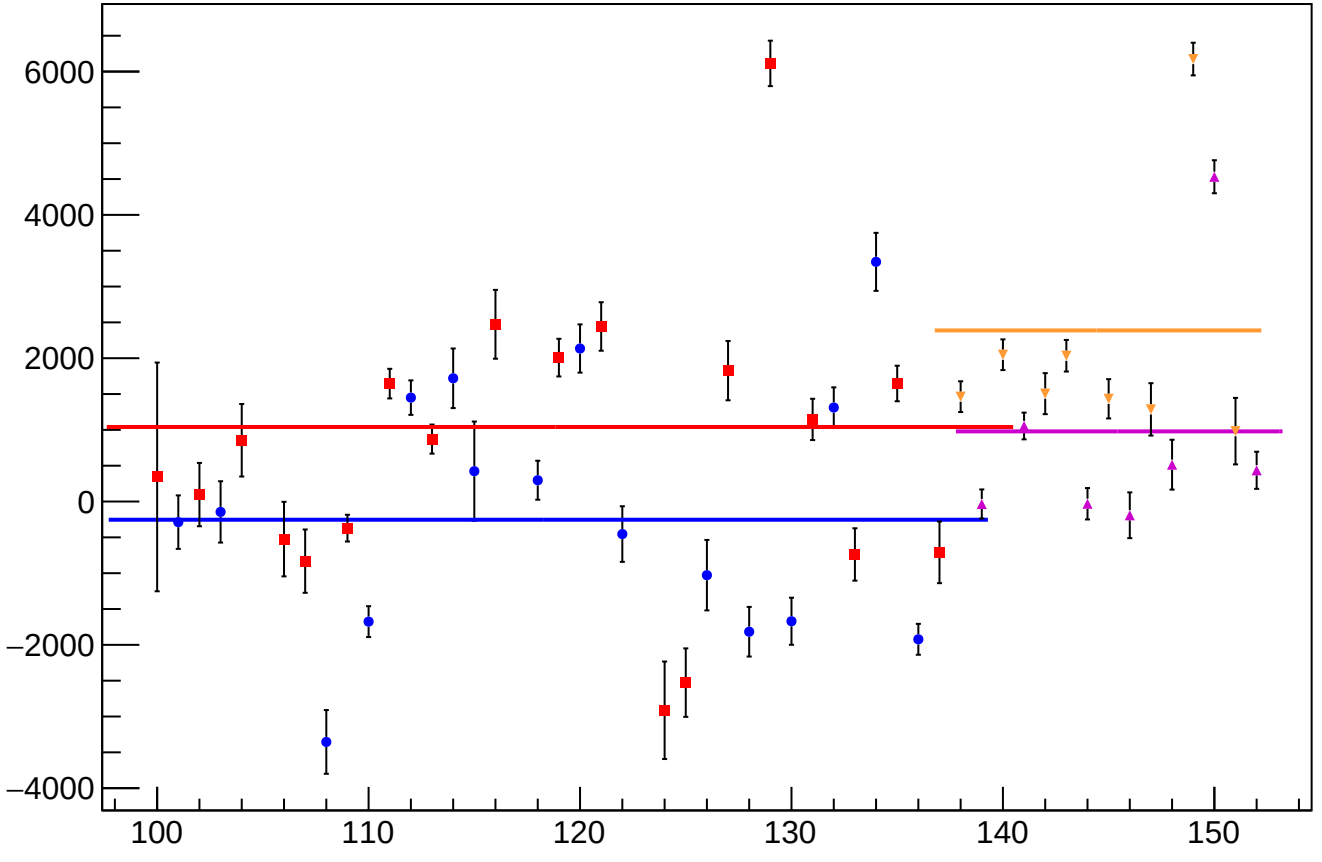
Left In: 214.187+/-0.065 χ^2/NDF:519762.5/6

+ sign 215.443+/-0.044 χ^2/NDF: 1638359.4/23

All: 208.824+/-0.030 χ^2/NDF: 3538590.2/49

- sign 202.885+/-0.041 χ^2/NDF: 1856501.9/25

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 2387.679+/-90.926 χ^2/NDF:339.7/7

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

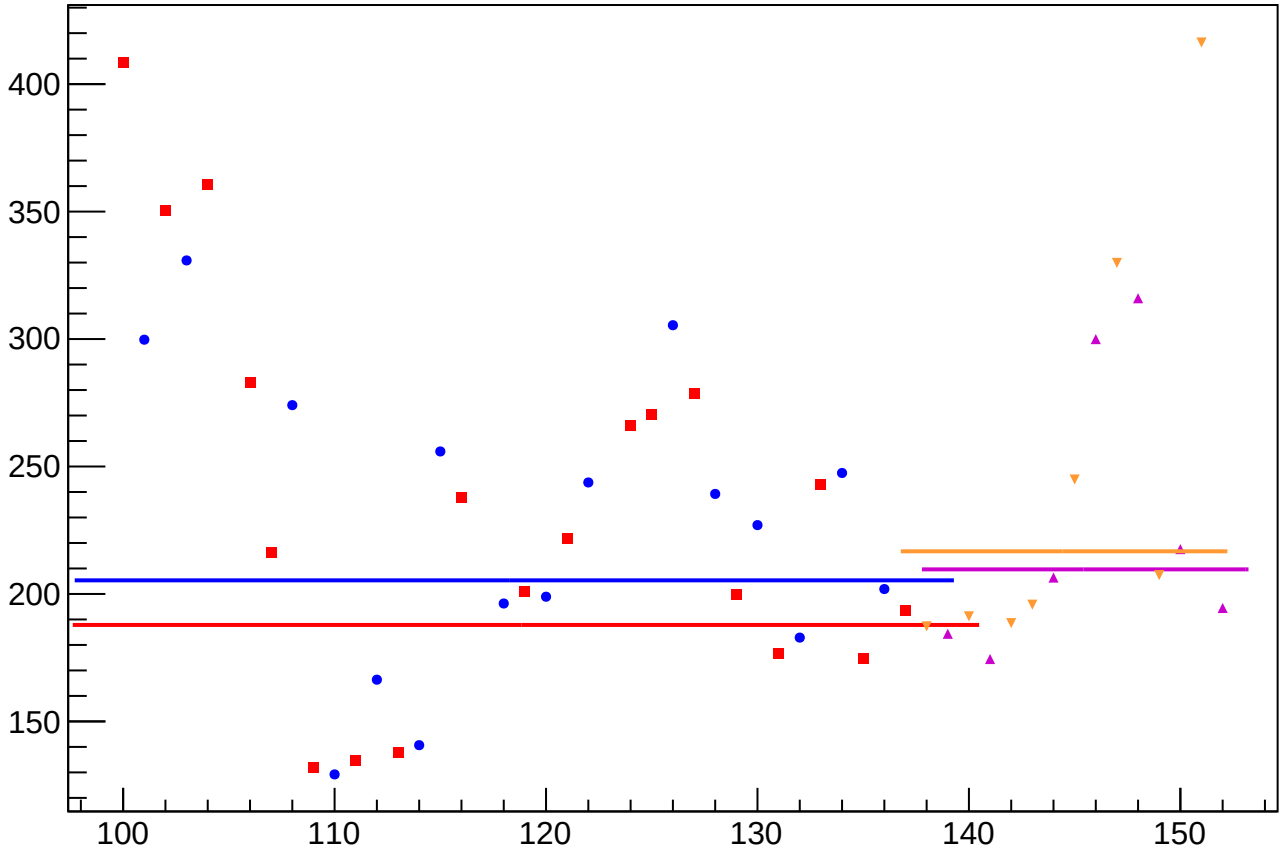
Left In: 978.878+/-89.225 χ^2/NDF:303.4/6

\+ sign 902.244+/-60.156 χ^2/NDF: 1246.4/23

All: 962.284+/-41.248 χ^2/NDF: 2085.3/49

\- sign 1015.561+/-56.667 χ^2/NDF: 837.1/25

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 216.732+/-0.064 χ^2/NDF:689424.5/7

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

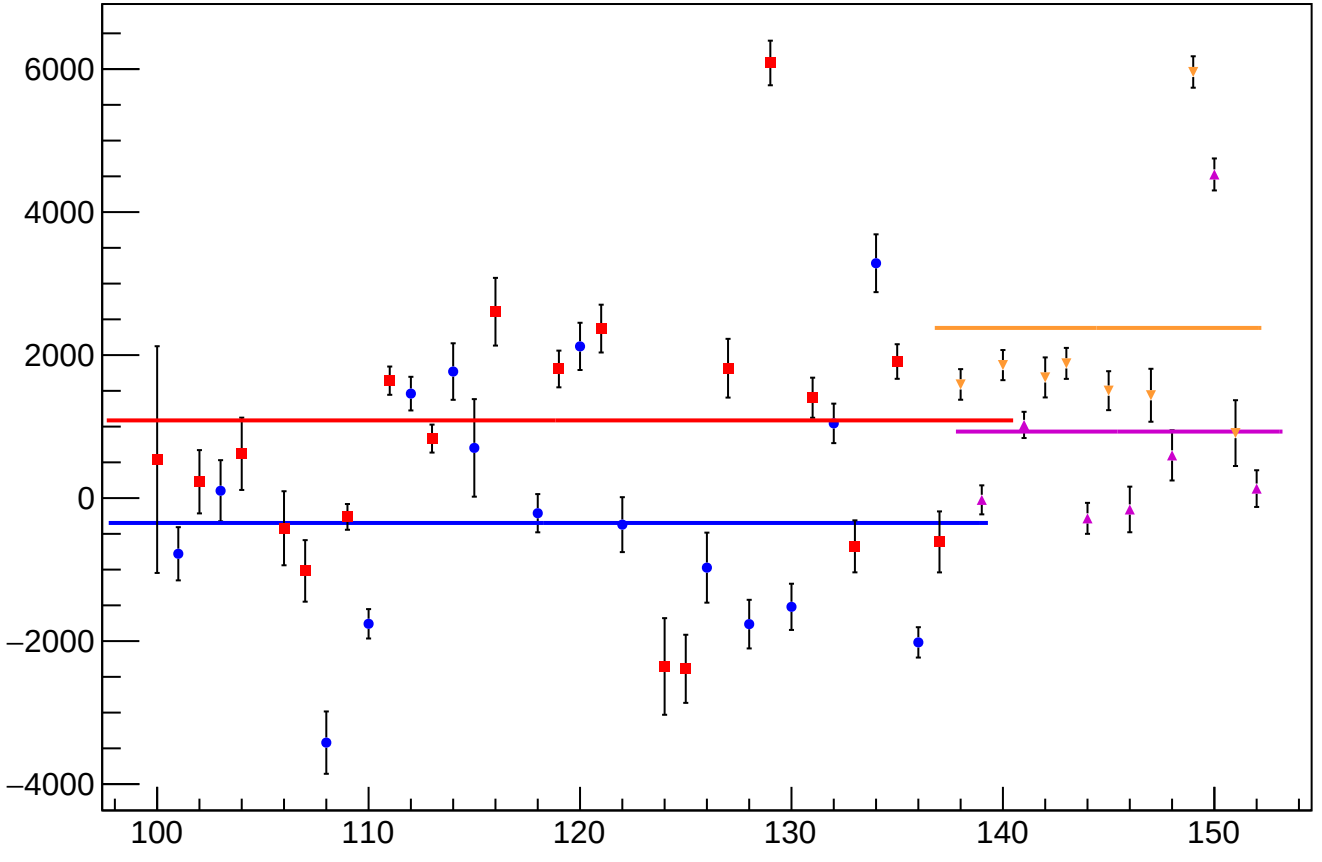
Left In: 209.648+/-0.063 χ^2/NDF:458864.4/6

+ sign 210.327+/-0.043 χ^2/NDF: 1584470.7/23

All: 203.076+/-0.029 χ^2/NDF: 3506458.2/49

- sign 196.641+/-0.040 χ^2/NDF: 1867142.1/25

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 2380.057+/-89.592 χ^2/NDF:323.0/7

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

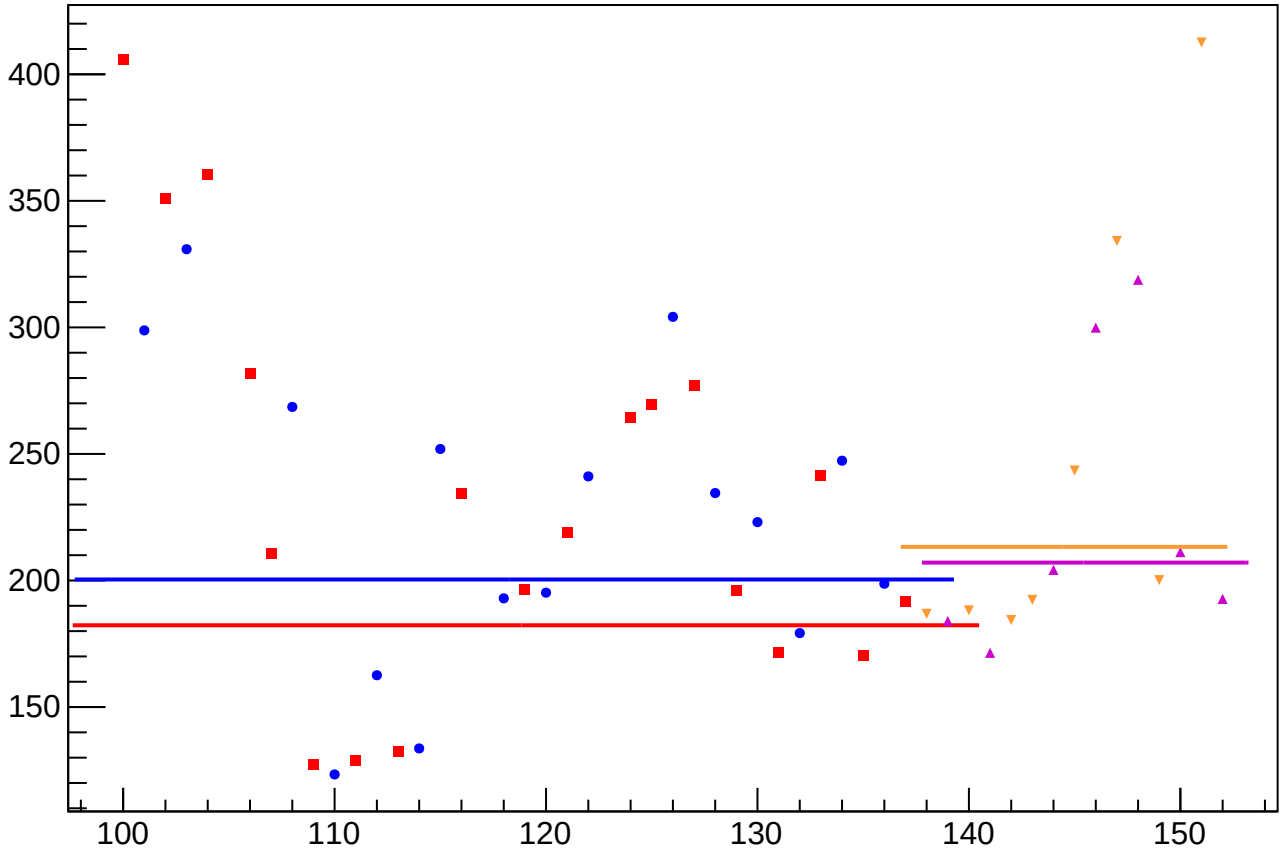
Left In: 930.348+/-88.221 χ^2/NDF:334.2/6

\+ sign 838.122+/-59.071 χ^2/NDF: 1292.8/23

All: 937.077+/-40.473 χ^2/NDF: 2161.4/49

\- sign 1024.637+/-55.566 χ^2/NDF: 863.3/25

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 213.285+/-0.063 χ^2/NDF:718670.3/7

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

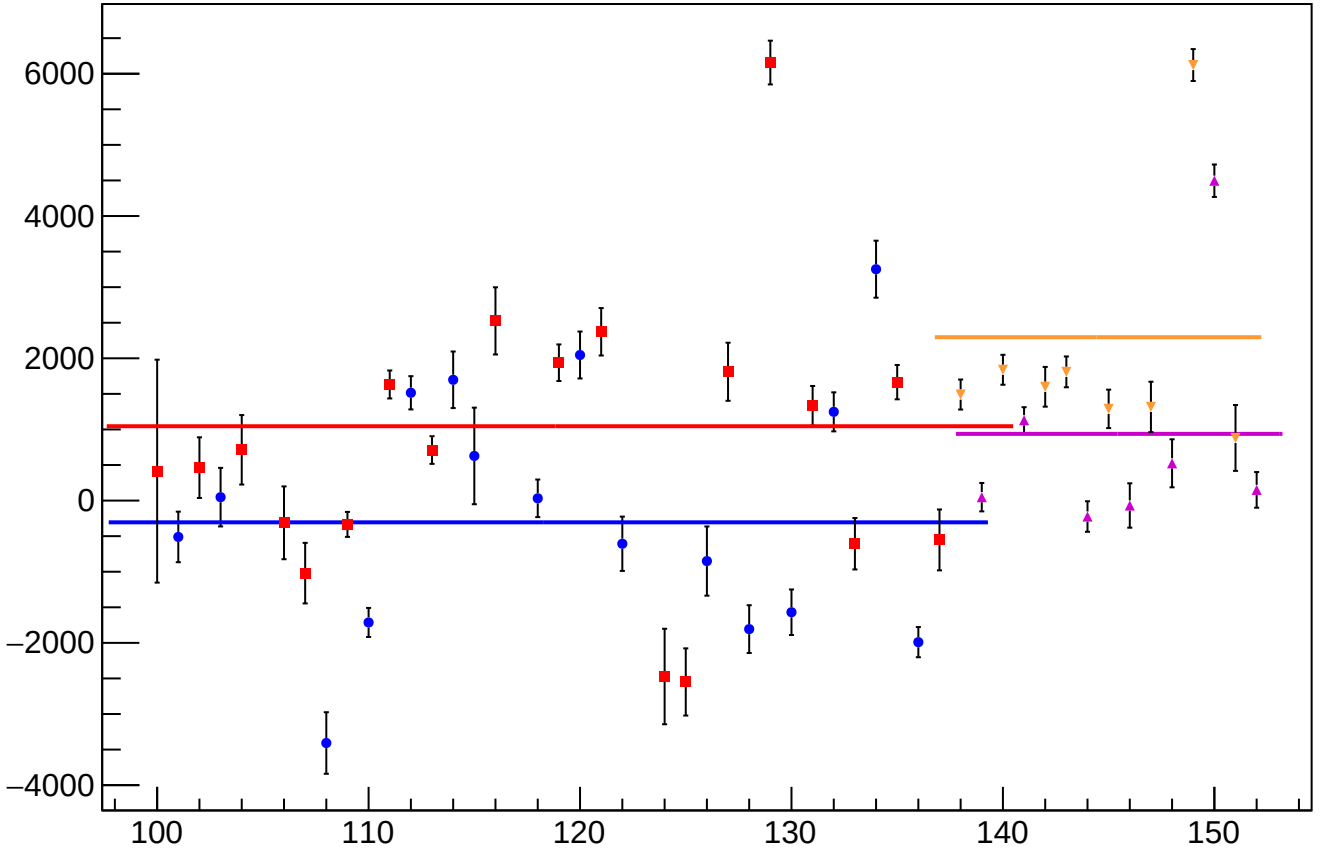
Left In: 207.072+/-0.062 χ^2/NDF:480969.7/6

+ sign 206.001+/-0.042 χ^2/NDF: 1701060.5/23

All: 198.641+/-0.029 χ^2/NDF: 3782869.9/49

- sign 192.128+/-0.039 χ^2/NDF: 2023286.1/25

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 2296.636+/-89.276 χ^2/NDF:352.5/7

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

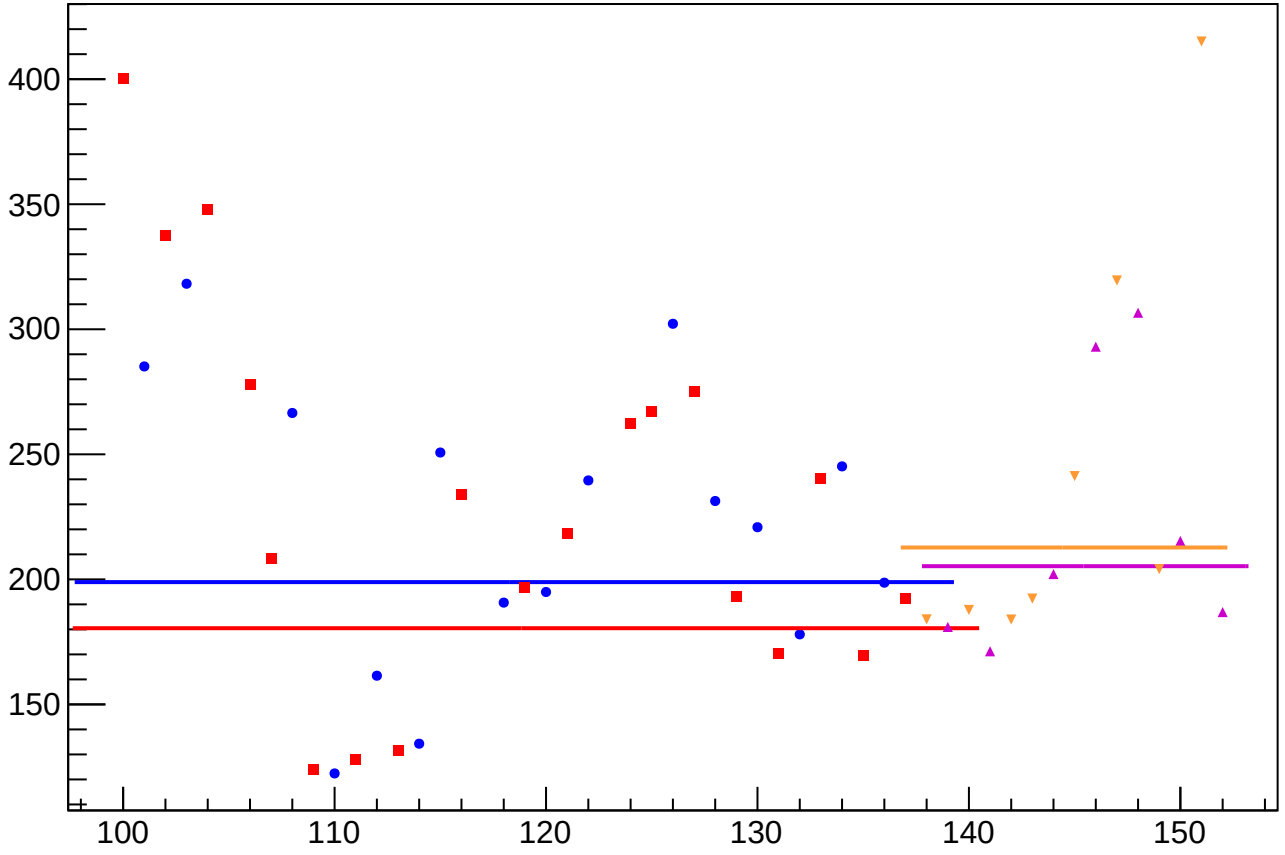
Left In: 937.737+/-87.430 χ^2/NDF:315.3/6

\+ sign 818.707+/-58.683 χ^2/NDF: 1286.9/23

All: 916.544+/-40.142 χ^2/NDF: 2160.5/49

\- sign 1002.588+/-55.033 χ^2/NDF: 868.4/25

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 212.739+/-0.063 χ^2/NDF:693561.3/7

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

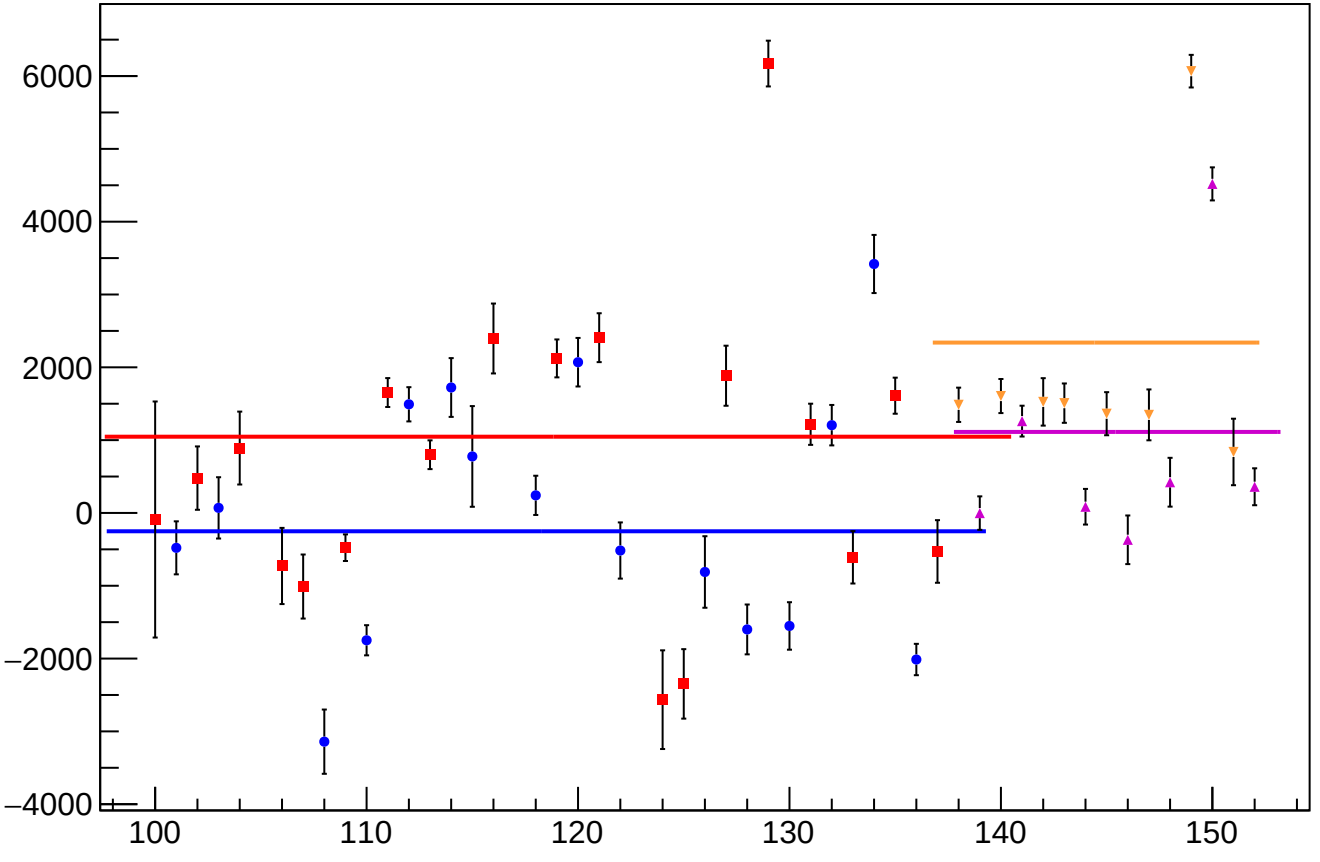
Left In: 205.270+/-0.062 χ^2/NDF:452286.2/6

+ sign 204.881+/-0.041 χ^2/NDF: 1633612.1/23

All: 197.122+/-0.028 χ^2/NDF: 3683195.5/49

- sign 190.298+/-0.039 χ^2/NDF: 1983864.3/25

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 2339.836+/-98.175 χ^2/NDF:345.7/7

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

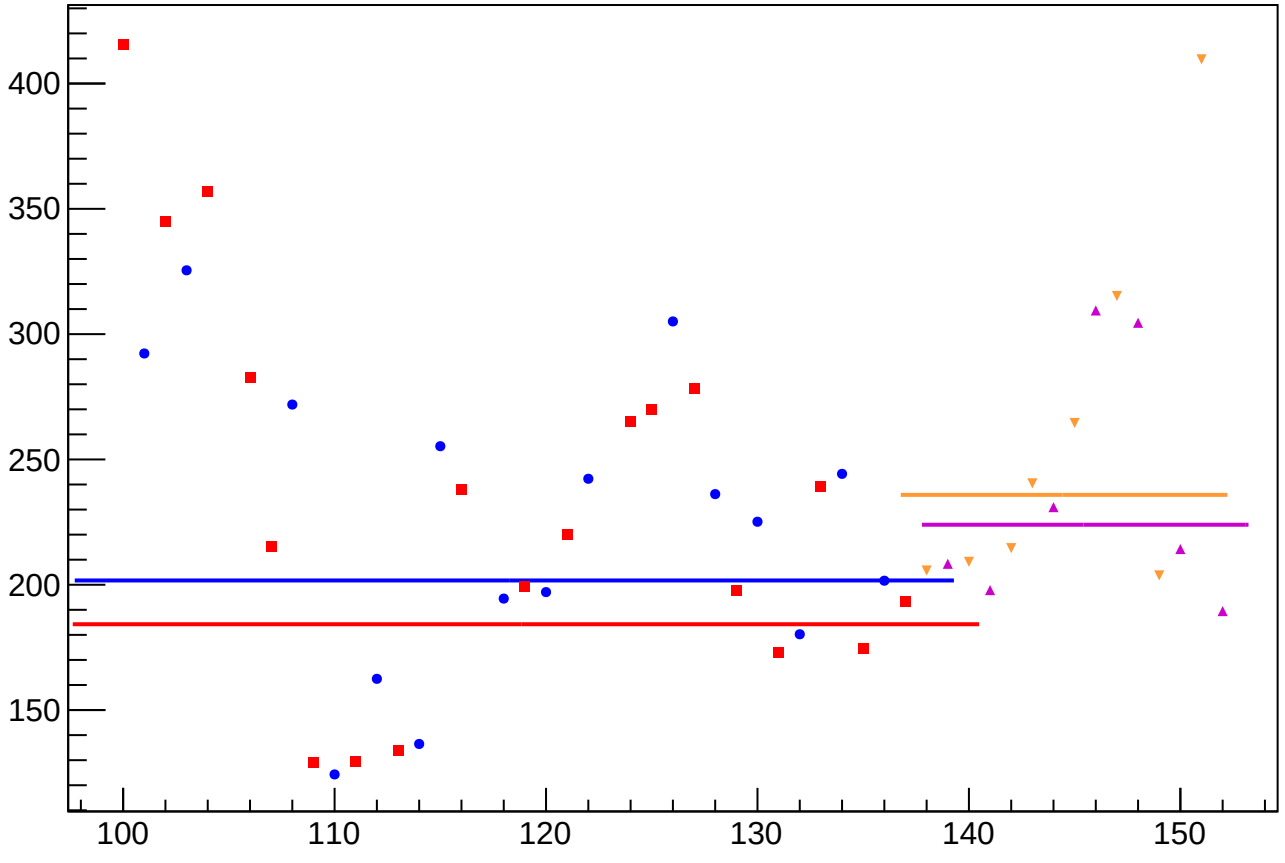
Left In: 1112.684+/-95.024 χ^2/NDF:299.4/6

+ sign 766.380+/-61.535 χ^2/NDF: 1210.0/23

All: 929.114+/-42.006 χ^2/NDF: 2069.6/49

- sign 1071.121+/-57.483 χ^2/NDF: 846.5/25

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 235.870+/-0.069 χ^2/NDF:520801.1/7

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

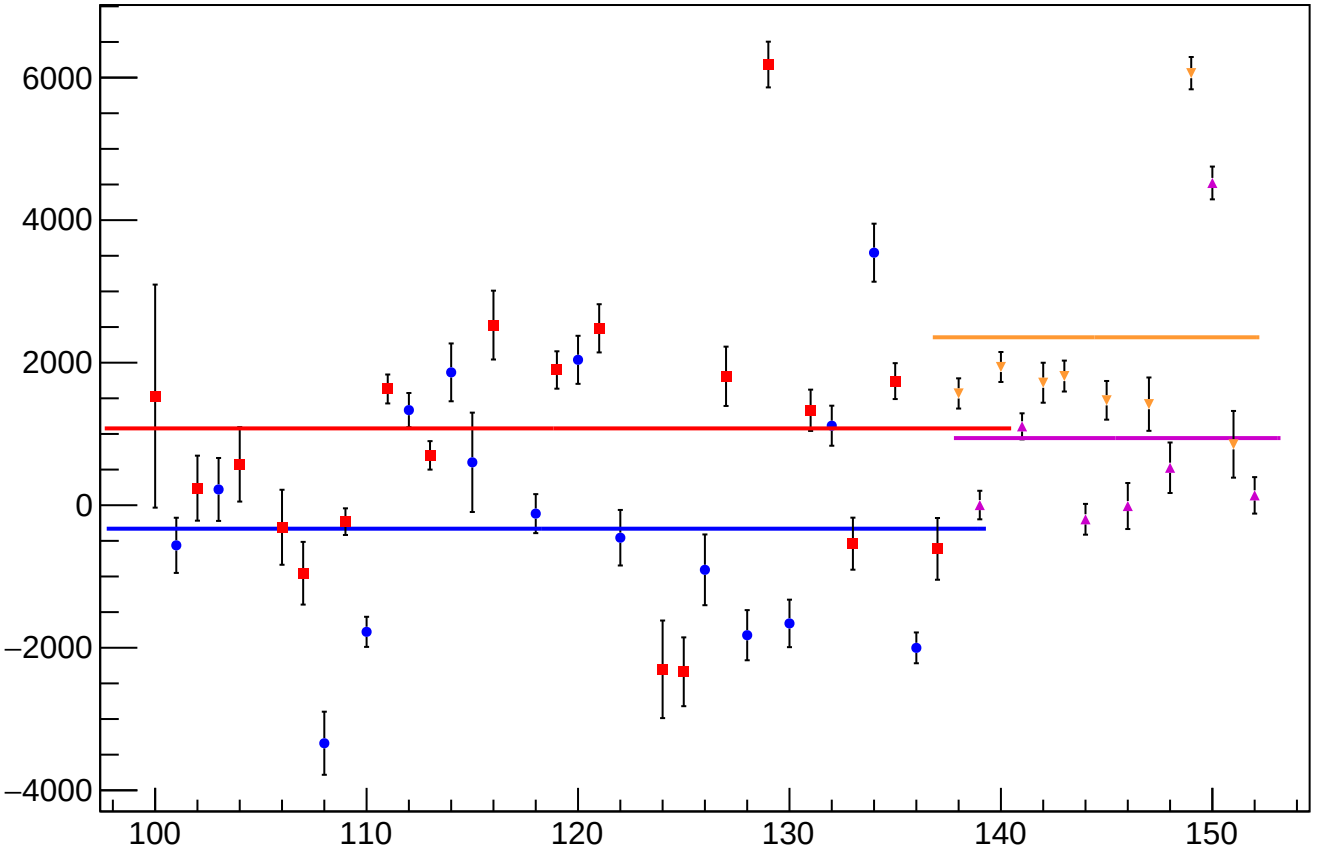
Left In: 223.947+/-0.067 χ^2/NDF:328503.6/6

+ sign 215.133+/-0.044 χ^2/NDF: 1591990.0/23

All: 206.396+/-0.030 χ^2/NDF: 3621126.2/49

- sign 198.773+/-0.041 χ^2/NDF: 1953650.3/25

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 2356.252+/-89.955 χ^2/NDF:323.9/7

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

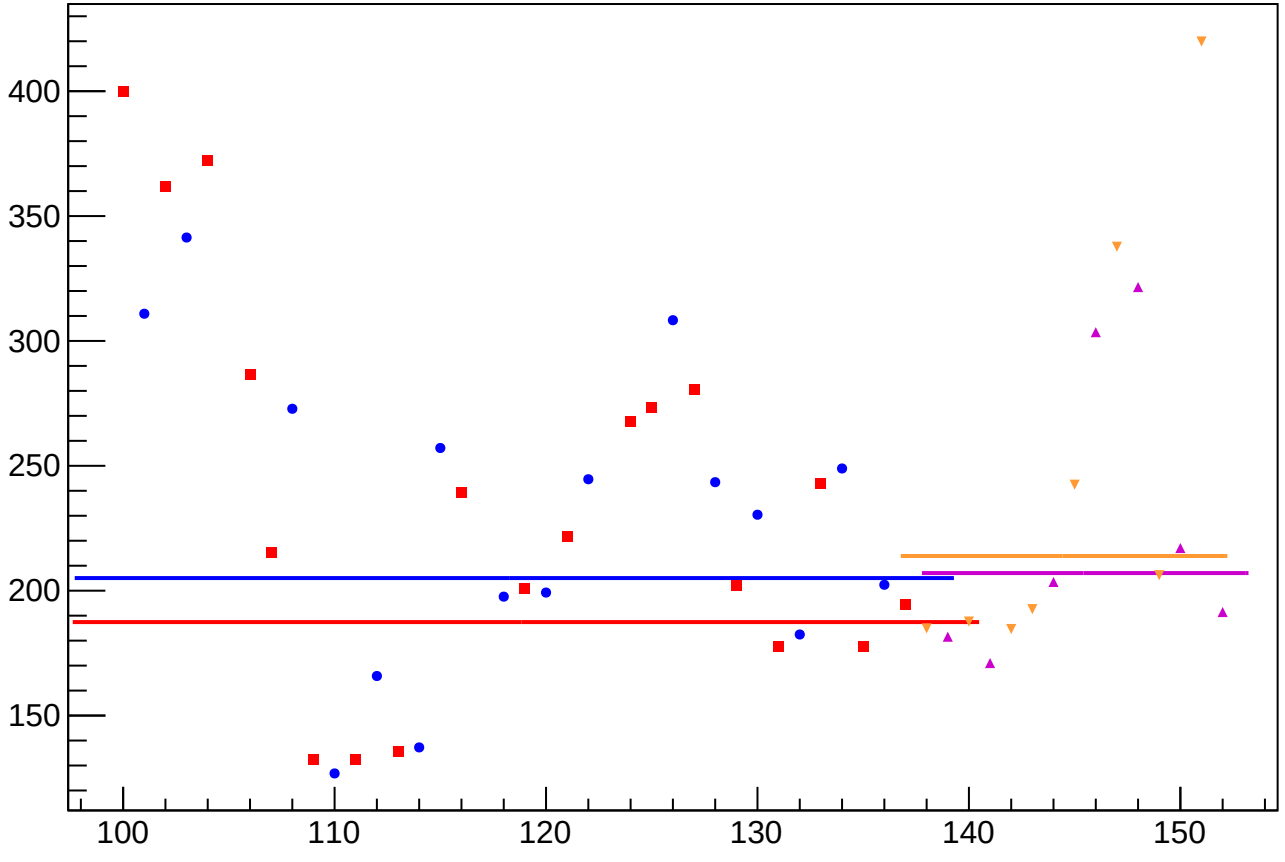
Left In: 941.897+/-88.382 χ^2/NDF:312.8/6

+ sign 862.732+/-59.932 χ^2/NDF: 1256.0/23

All: 947.296+/-41.099 χ^2/NDF: 2075.9/49

- sign 1022.368+/-56.468 χ^2/NDF: 816.2/25

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 213.890+/-0.064 χ^2/NDF:740281.5/7

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

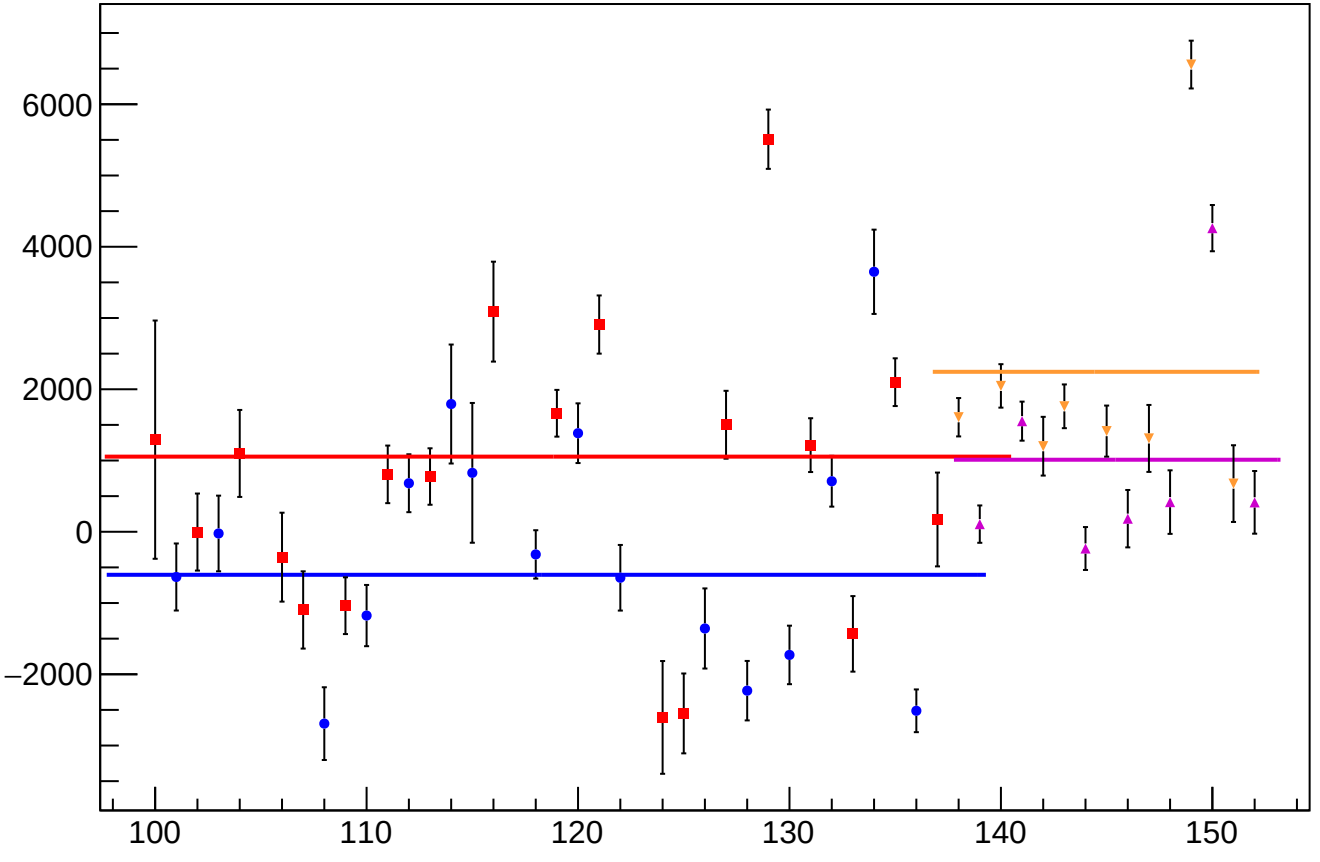
Left In: 207.057+/-0.062 χ^2/NDF:509254.3/6

+ sign 208.976+/-0.042 χ^2/NDF: 1714068.1/23

All: 201.807+/-0.029 χ^2/NDF: 3746506.0/49

- sign 195.443+/-0.040 χ^2/NDF: 1978419.7/25

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 2244.987+/-123.385 χ^2/NDF:198.0/7

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

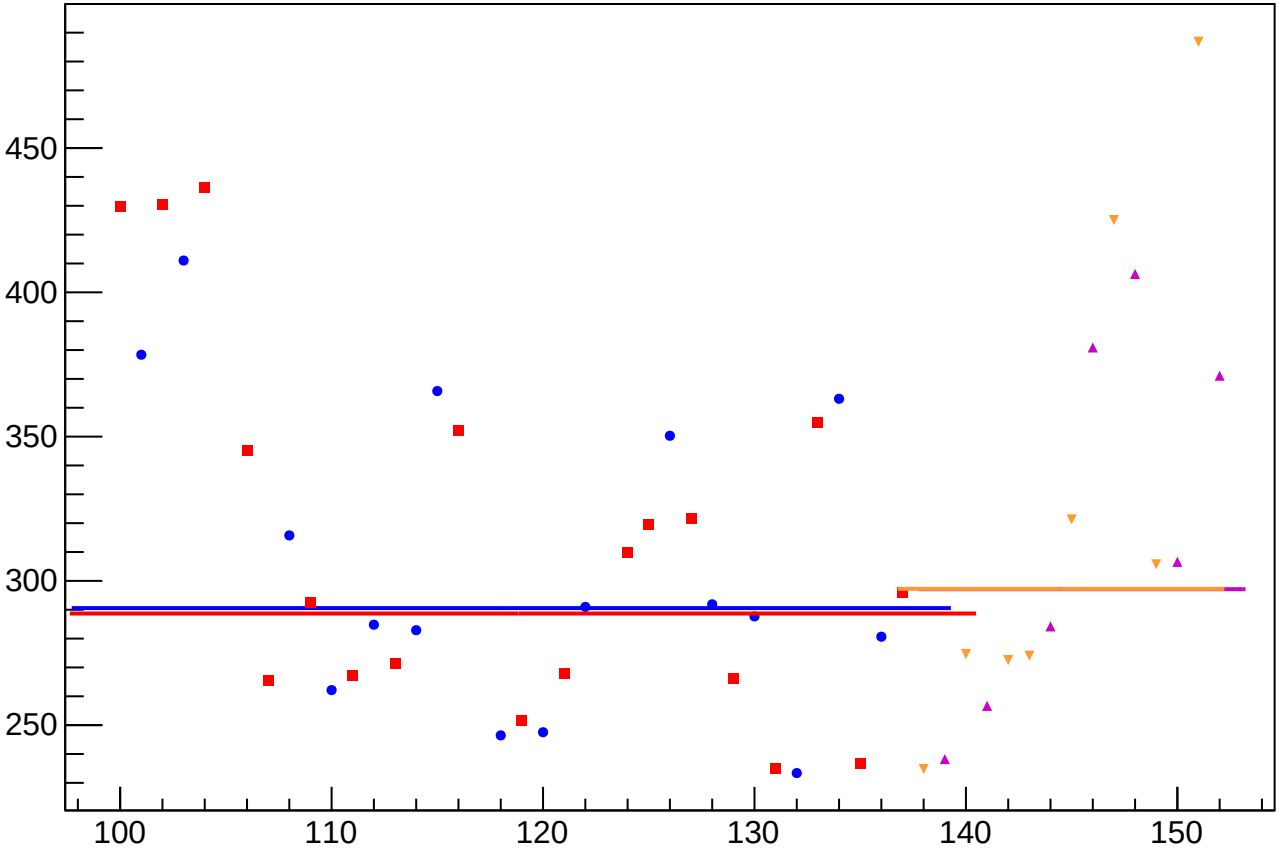
Left In: 1010.944+/-124.252 χ^2/NDF:141.1/6

+ sign 666.547+/-82.395 χ^2/NDF: 686.9/23

All: 852.873+/-57.988 χ^2/NDF: 1135.9/49

- sign 1035.735+/-81.625 χ^2/NDF: 438.8/25

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 297.251+/-0.087 χ^2/NDF:543389.3/7

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

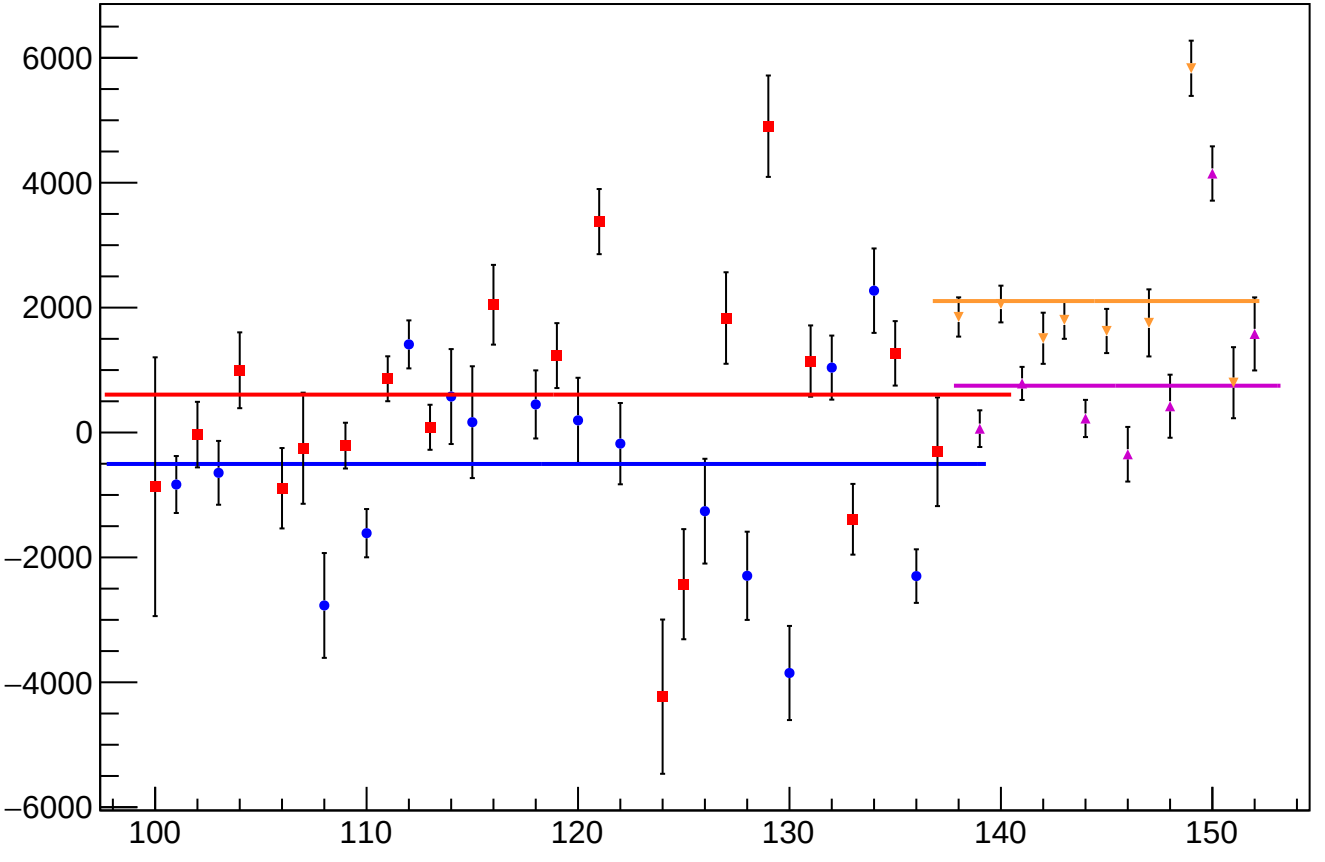
Left In: 297.125+/-0.088 χ^2/NDF:413062.4/6

+ sign 293.547+/-0.058 χ^2/NDF: 906448.6/23

All: 292.932+/-0.041 χ^2/NDF: 1814071.3/49

- sign 292.328+/-0.058 χ^2/NDF: 907401.8/25

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 2104.974+/-131.067 χ^2/NDF:82.4/7

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

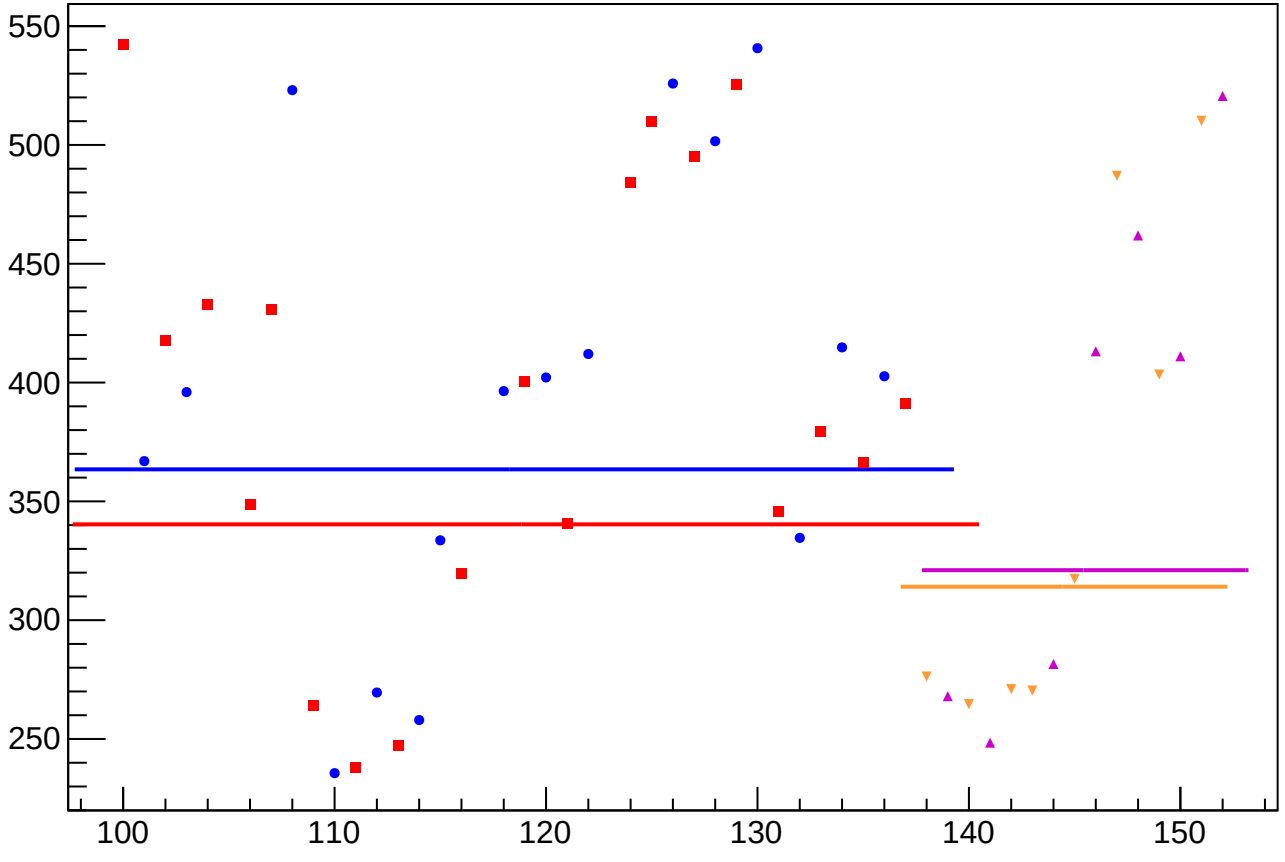
Left In: 749.470+/-135.522 χ^2/NDF:78.4/6

+ sign 887.062+/-95.699 χ^2/NDF: 385.5/23

All: 778.755+/-66.940 χ^2/NDF: 592.1/49

- sign 674.996+/-93.668 χ^2/NDF: 204.1/25

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 314.075+/-0.093 χ^2/NDF:675646.0/7

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

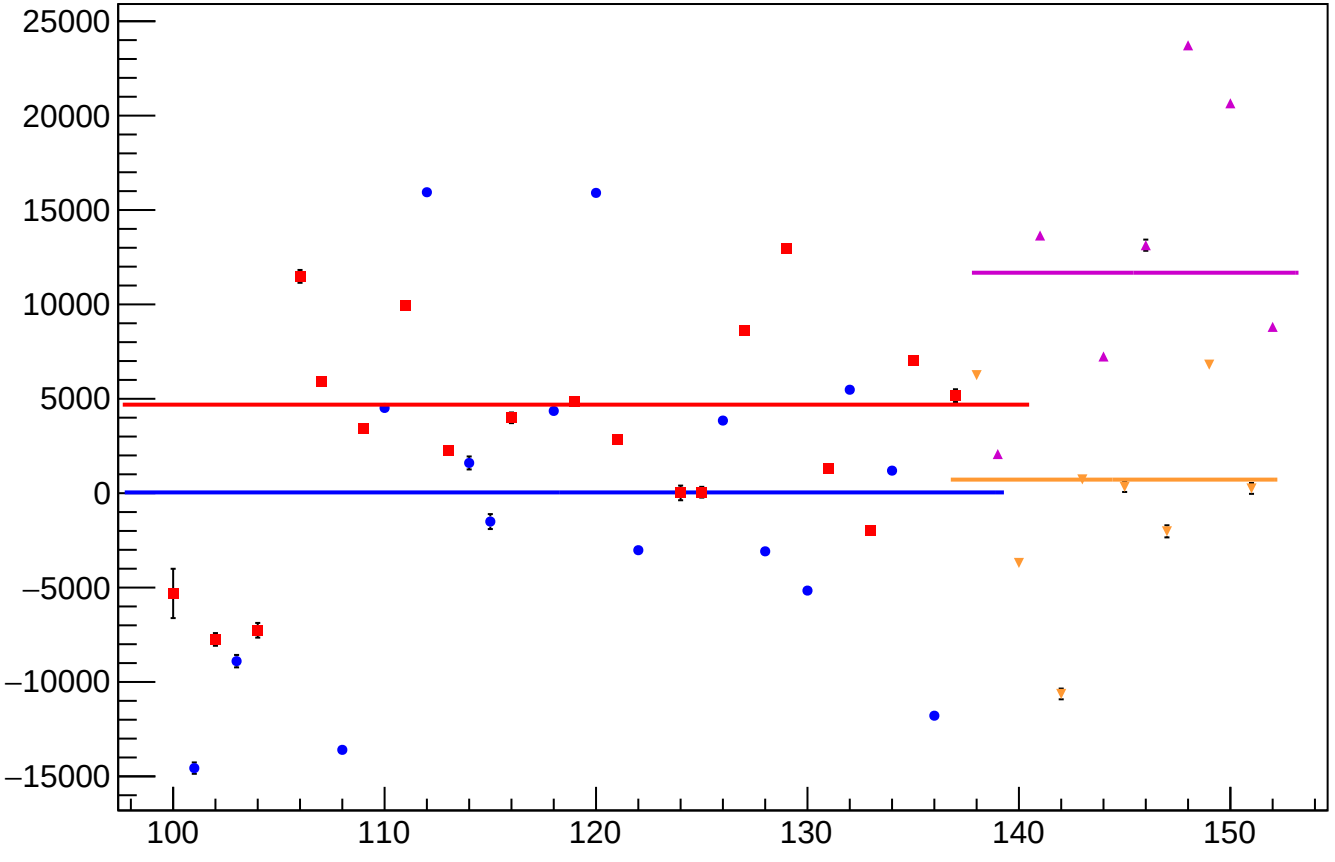
Left In: 321.038+/-0.096 χ^2/NDF:812926.4/6

+ sign 337.137+/-0.068 χ^2/NDF: 1589165.1/23

All: 334.061+/-0.047 χ^2/NDF: 3283538.1/49

- sign 331.115+/-0.066 χ^2/NDF: 1690329.0/25

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 718.868+/-85.754 χ^2/NDF:3648.3/7

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

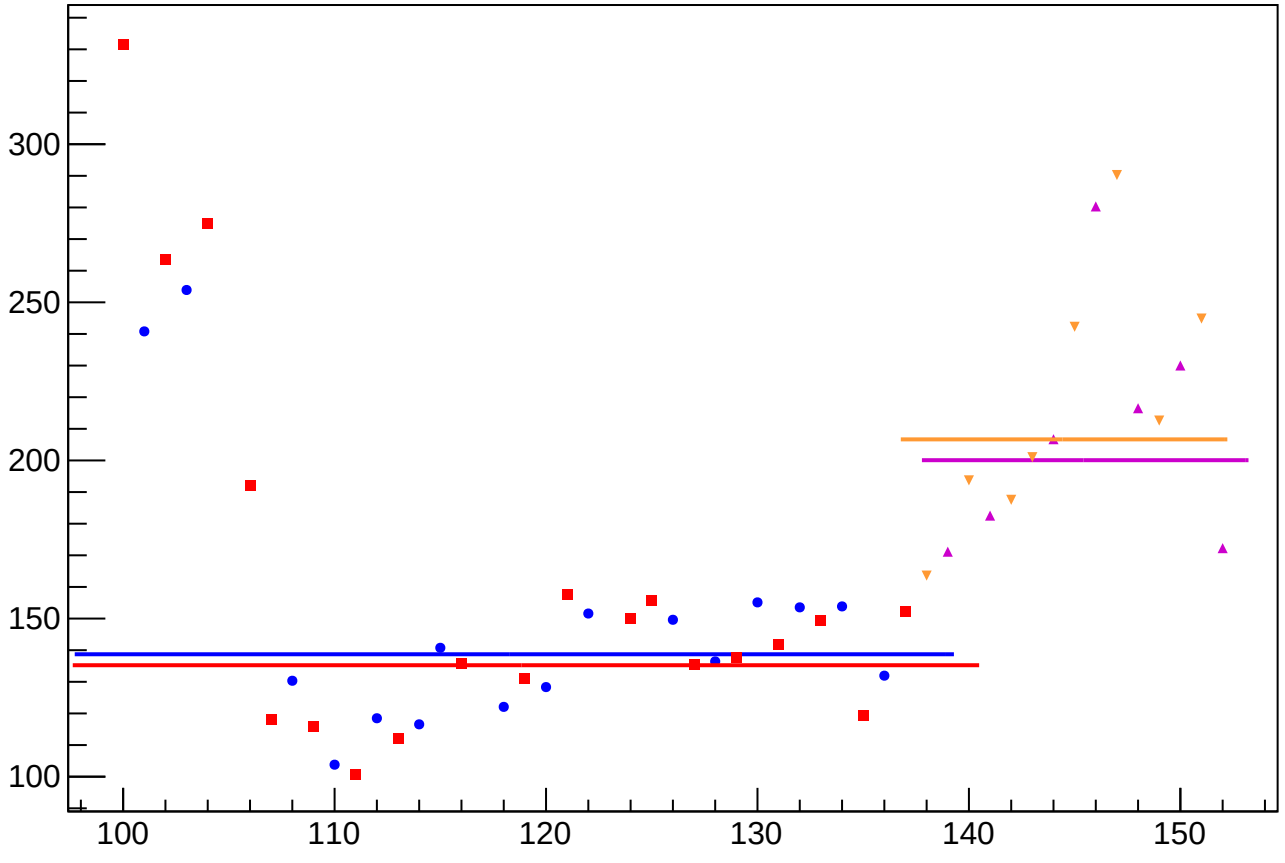
Left In: 11678.075+/-84.539 χ^2/NDF:7040.5/6

+ sign 234.429+/-45.815 χ^2/NDF: 34479.2/23

All: 3527.327+/-31.866 χ^2/NDF: 64274.7/49

- sign 6613.065+/-44.351 χ^2/NDF: 19788.8/25

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 206.661+/-0.061 χ^2/NDF:331759.4/7

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

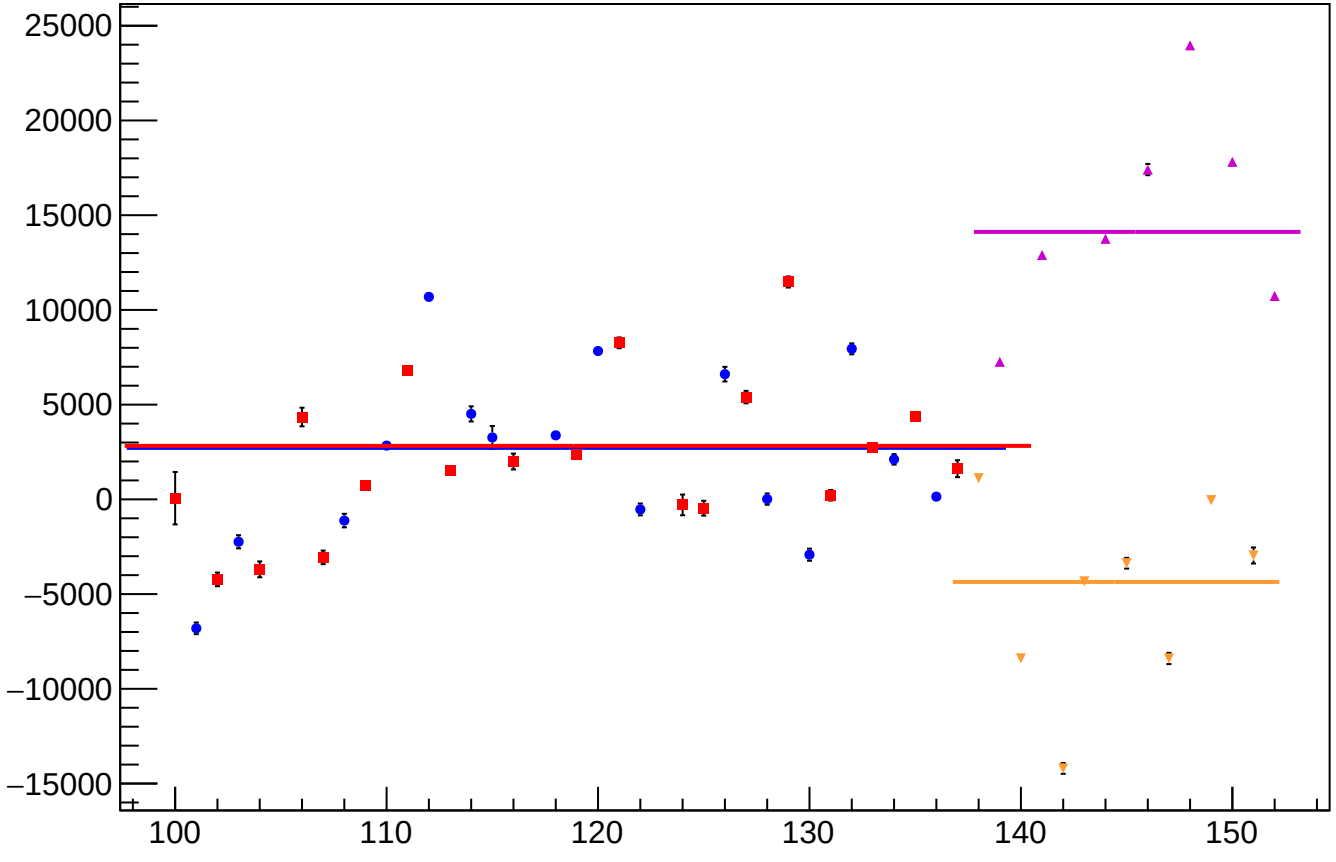
Left In: 200.081+/-0.060 χ^2/NDF:281794.4/6

\+ sign 158.107+/-0.032 χ^2/NDF: 1886847.6/23

All: 155.517+/-0.023 χ^2/NDF: 3923655.4/49

\- sign 153.089+/-0.031 χ^2/NDF: 2024422.1/25

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -4358.980+/-88.078 χ^2/NDF:2879.0/7

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

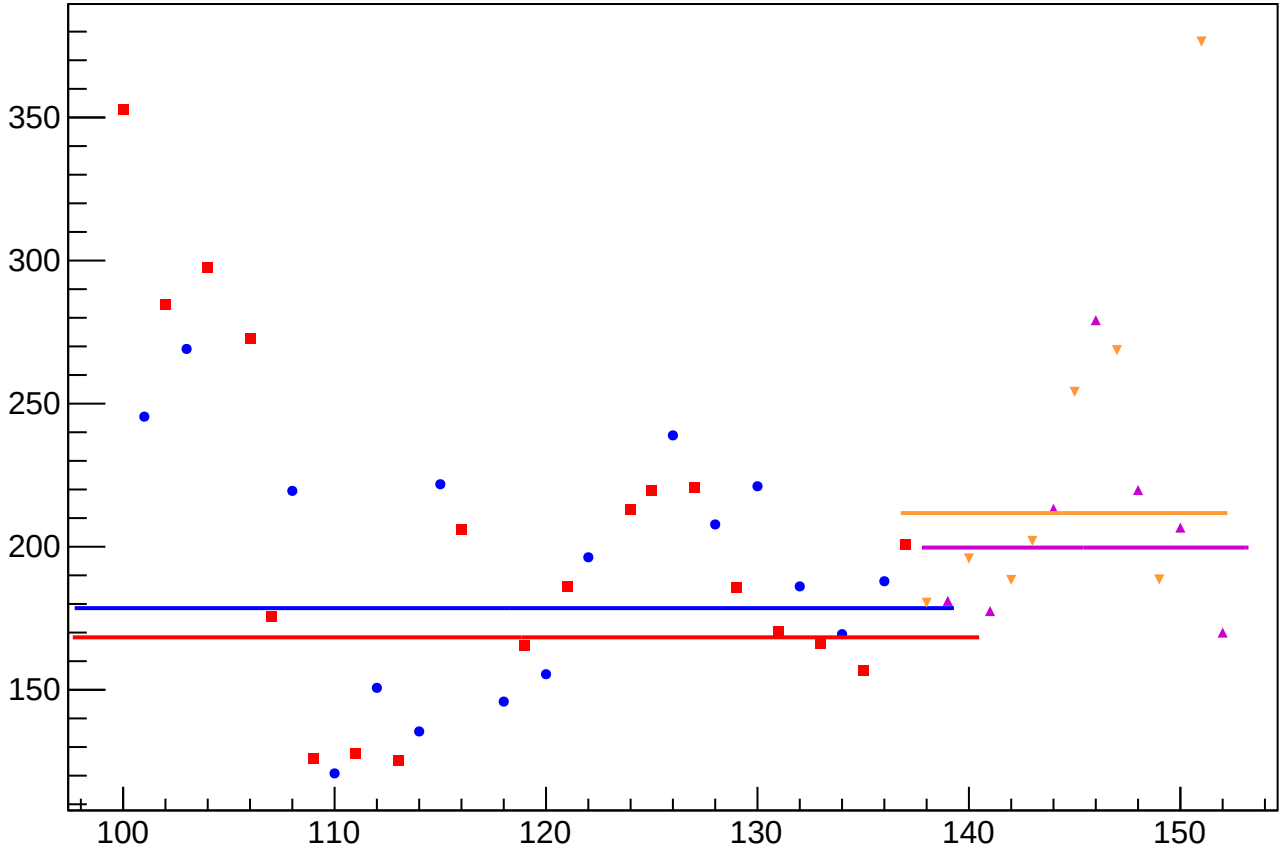
Left In: 14117.968+/-84.391 χ^2/NDF:3461.7/6

+ sign 15.791+/-54.437 χ^2/NDF: 11000.2/23

All: 3715.645+/-37.381 χ^2/NDF: 37526.9/49

- sign 7016.901+/-51.421 χ^2/NDF: 17785.7/25

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 211.743+/-0.062 χ^2/NDF:519493.7/7

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

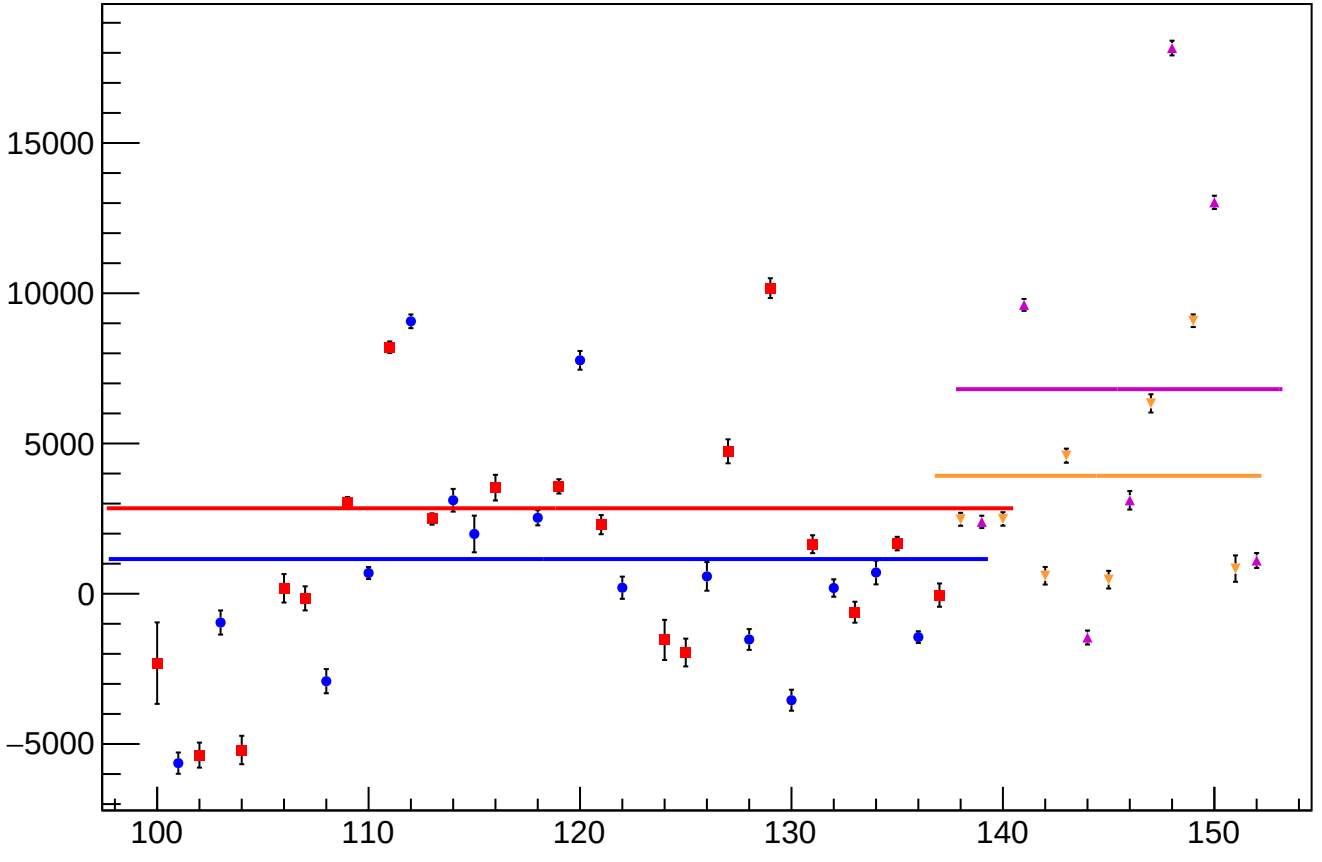
Left In: 199.700+/-0.060 χ^2/NDF:244889.7/6

+ sign 191.224+/-0.038 χ^2/NDF: 1369702.4/23

All: 185.282+/-0.026 χ^2/NDF: 2812875.2/49

- sign 179.980+/-0.036 χ^2/NDF: 1398076.7/25

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 3924.430+/-90.916 χ^2/NDF:1071.7/7

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

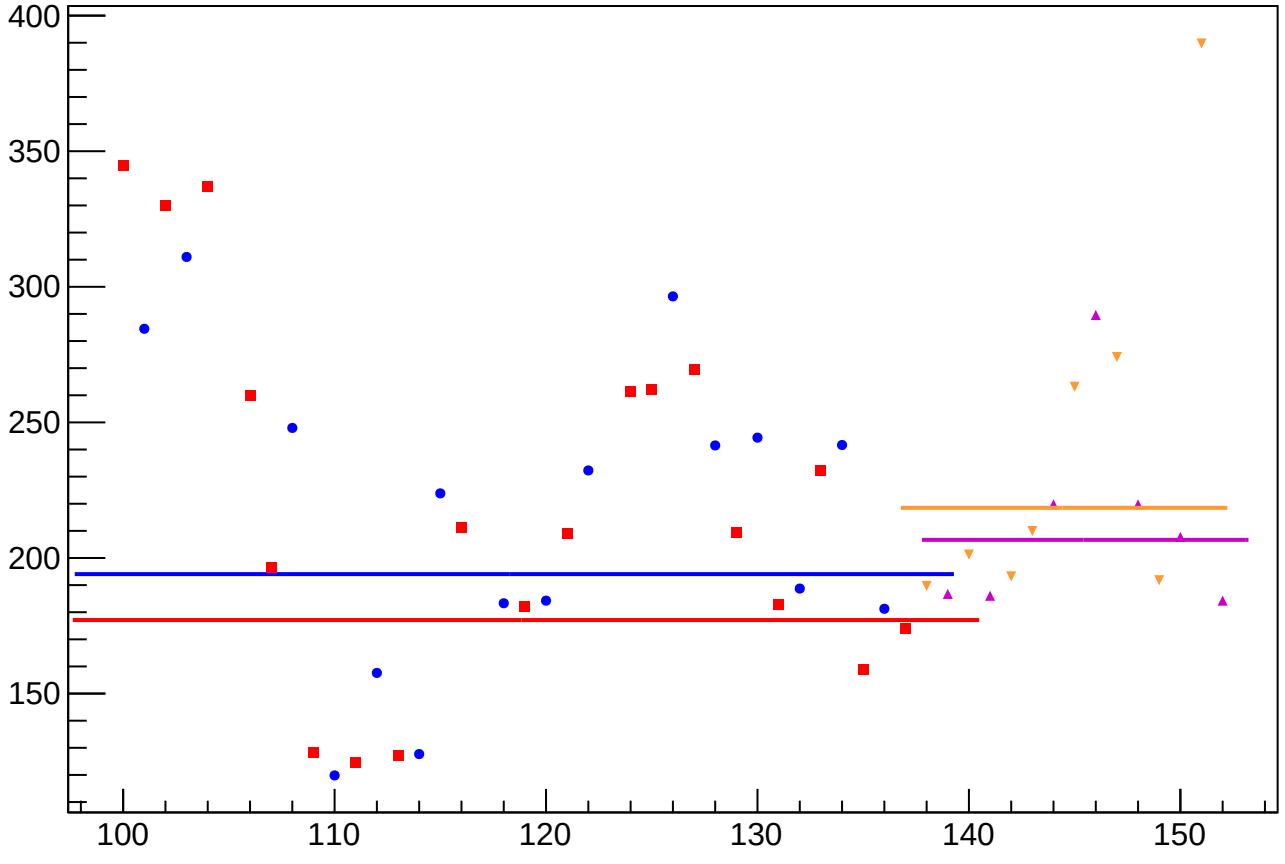
Left In: 6807.463+/-87.283 χ^2/NDF:5522.9/6

+ sign 2292.734+/-58.291 χ^2/NDF: 4274.0/23

All: 3407.974+/-39.691 χ^2/NDF: 14199.6/49

- sign 4372.037+/-54.196 χ^2/NDF: 9243.1/25

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 218.502+/-0.064 χ^2/NDF:513736.4/7

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

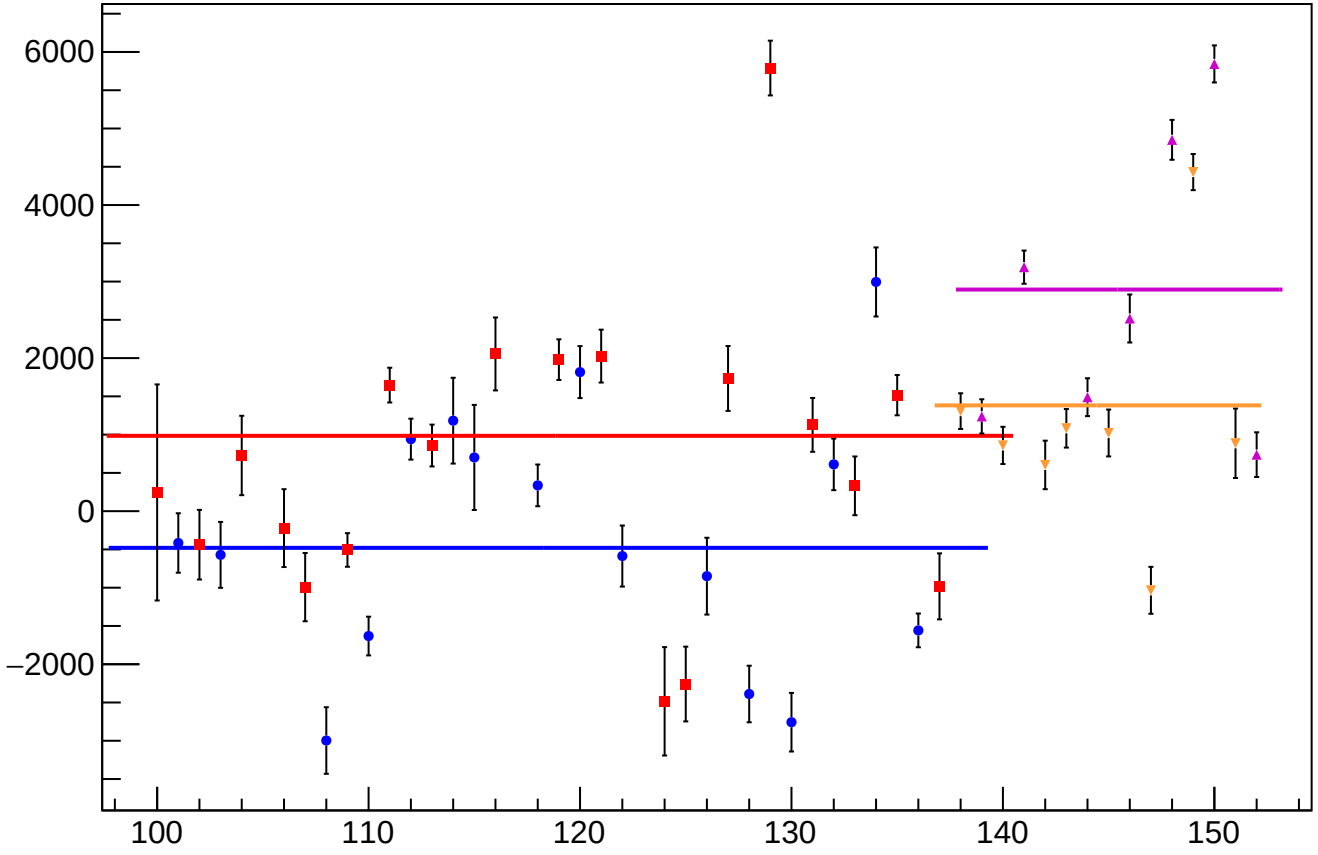
Left In: 206.690+/-0.062 χ^2/NDF:213463.8/6

+ sign 204.103+/-0.041 χ^2/NDF: 1564700.2/23

All: 195.744+/-0.028 χ^2/NDF: 3355293.7/49

- sign 188.518+/-0.038 χ^2/NDF: 1713907.6/25

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1382.392+/-97.528 χ^2/NDF:243.6/7

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

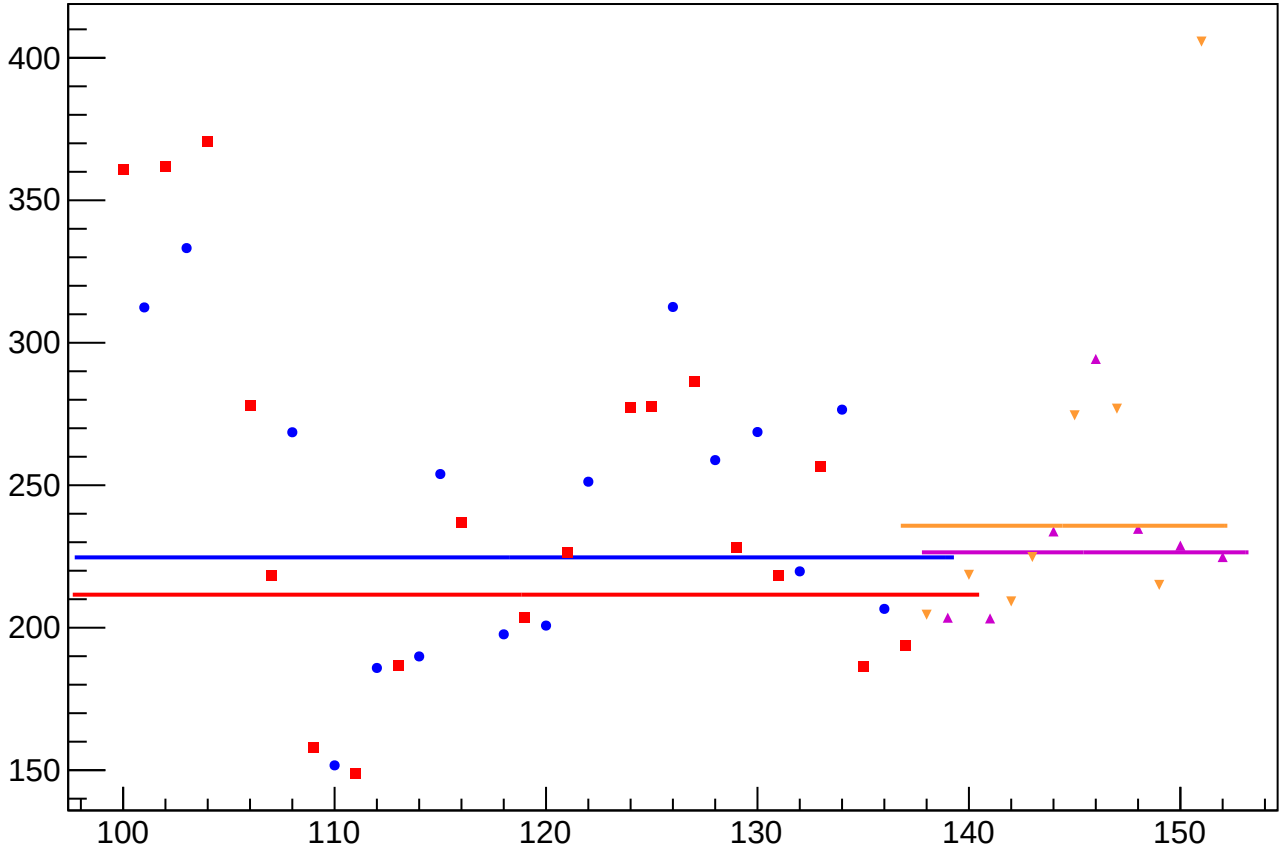
Left In: 2895.724+/-94.814 χ^2/NDF:349.5/6

+ sign 342.341+/-64.791 χ^2/NDF: 752.6/23

All: 1103.269+/-44.629 χ^2/NDF: 1997.7/49

- sign 1790.236+/-61.562 χ^2/NDF: 982.7/25

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.789+/-0.069 χ^2/NDF:427627.2/7

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

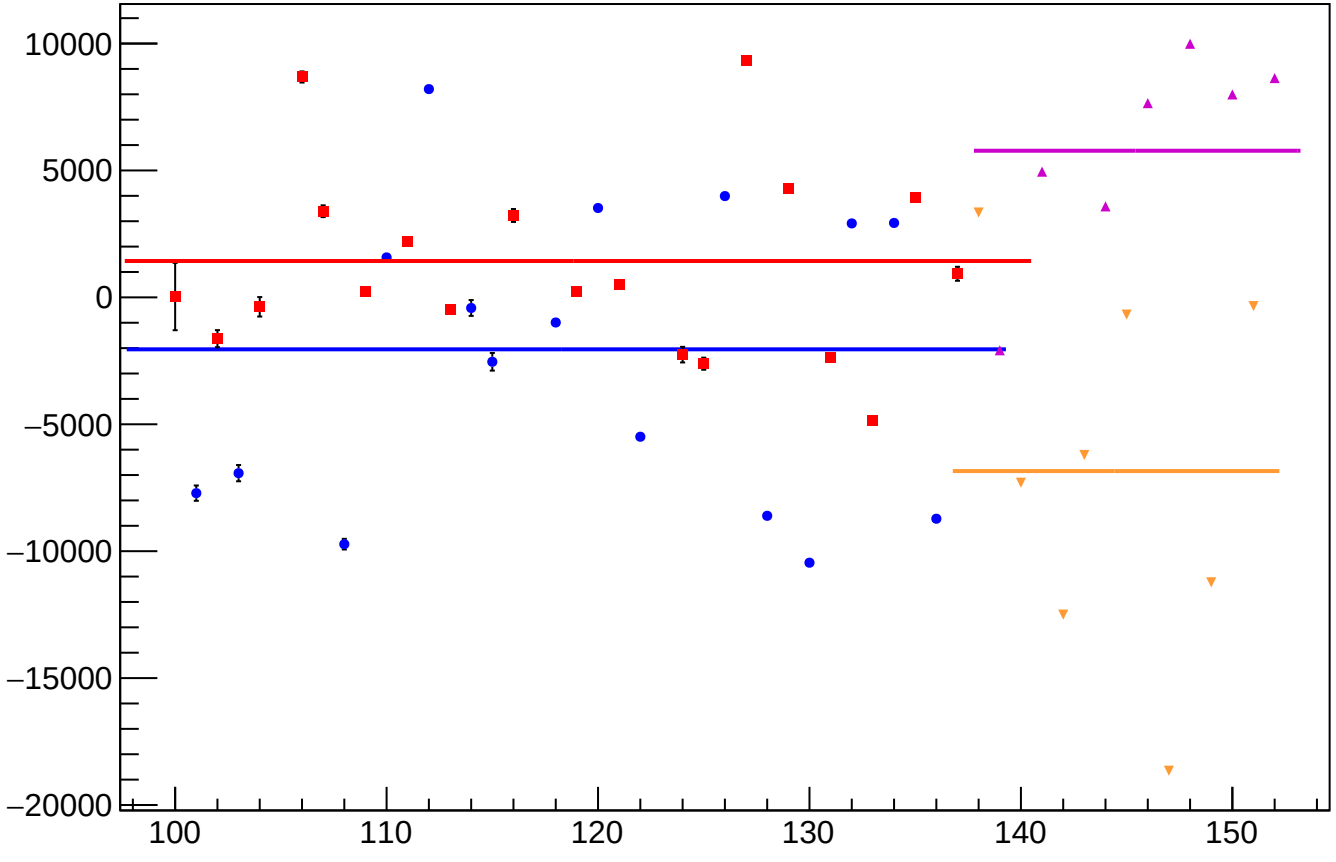
Left In: 226.452+/-0.067 χ^2/NDF:141511.9/6

+ sign 229.584+/-0.046 χ^2/NDF: 1095309.7/23

All: 223.422+/-0.032 χ^2/NDF: 2232556.0/49

- sign 217.859+/-0.044 χ^2/NDF: 1102821.0/25

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -6843.445+/-45.713 χ^2/NDF:22907.2/7

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

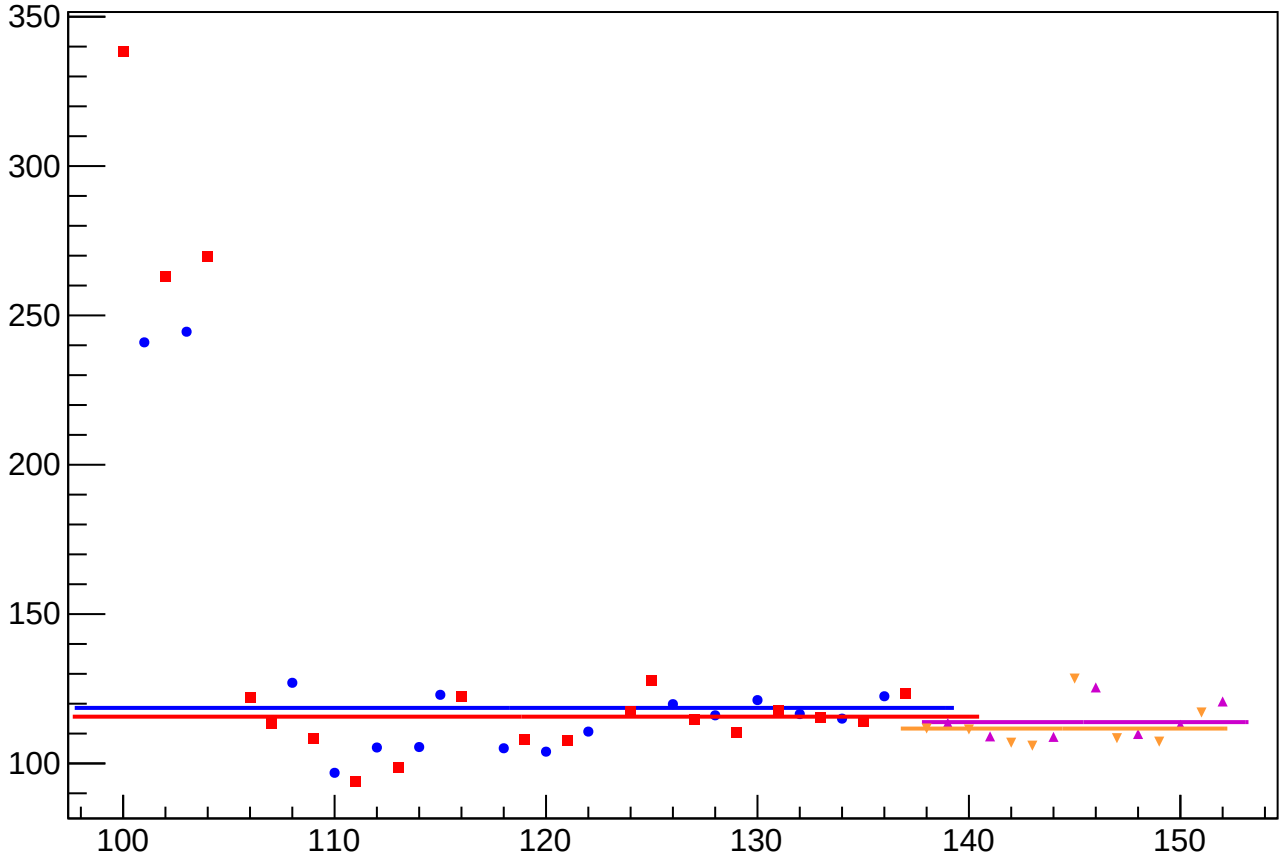
Left In: 5776.871+/-46.669 χ^2/NDF:6476.5/6

+ sign -4497.671+/-32.675 χ^2/NDF: 45000.2/23

All: -445.253+/-22.968 χ^2/NDF: 92784.9/49

- sign 3512.749+/-32.292 χ^2/NDF: 17380.1/25

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.677+/-0.032 χ^2/NDF:40557.6/7

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

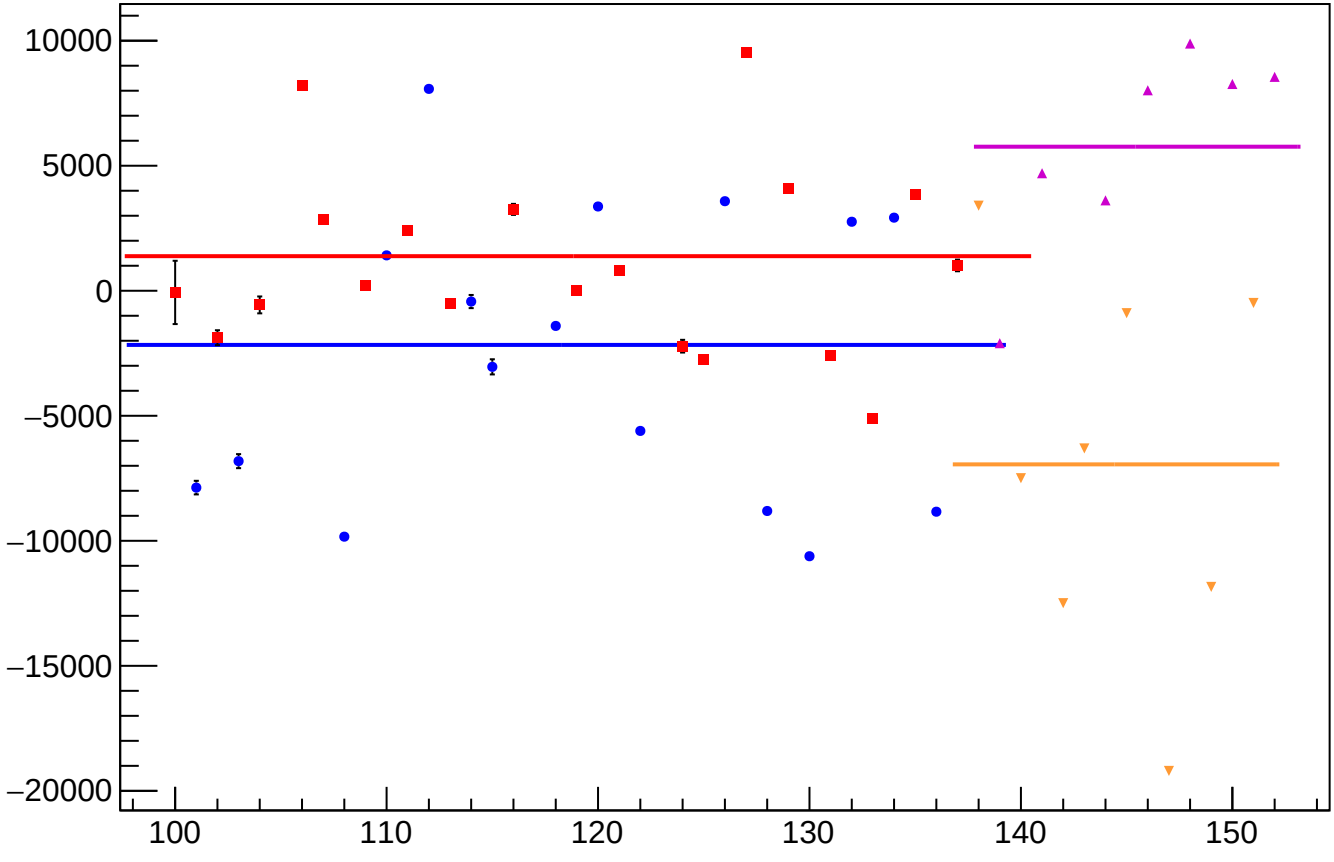
Left In: 113.836+/-0.033 χ^2/NDF:29788.9/6

+ sign 115.061+/-0.023 χ^2/NDF: 797125.9/23

All: 114.922+/-0.016 χ^2/NDF: 1692785.1/49

- sign 114.786+/-0.023 χ^2/NDF: 895587.7/25

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -6943.214+/-42.059 χ^2/NDF:27746.0/7

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

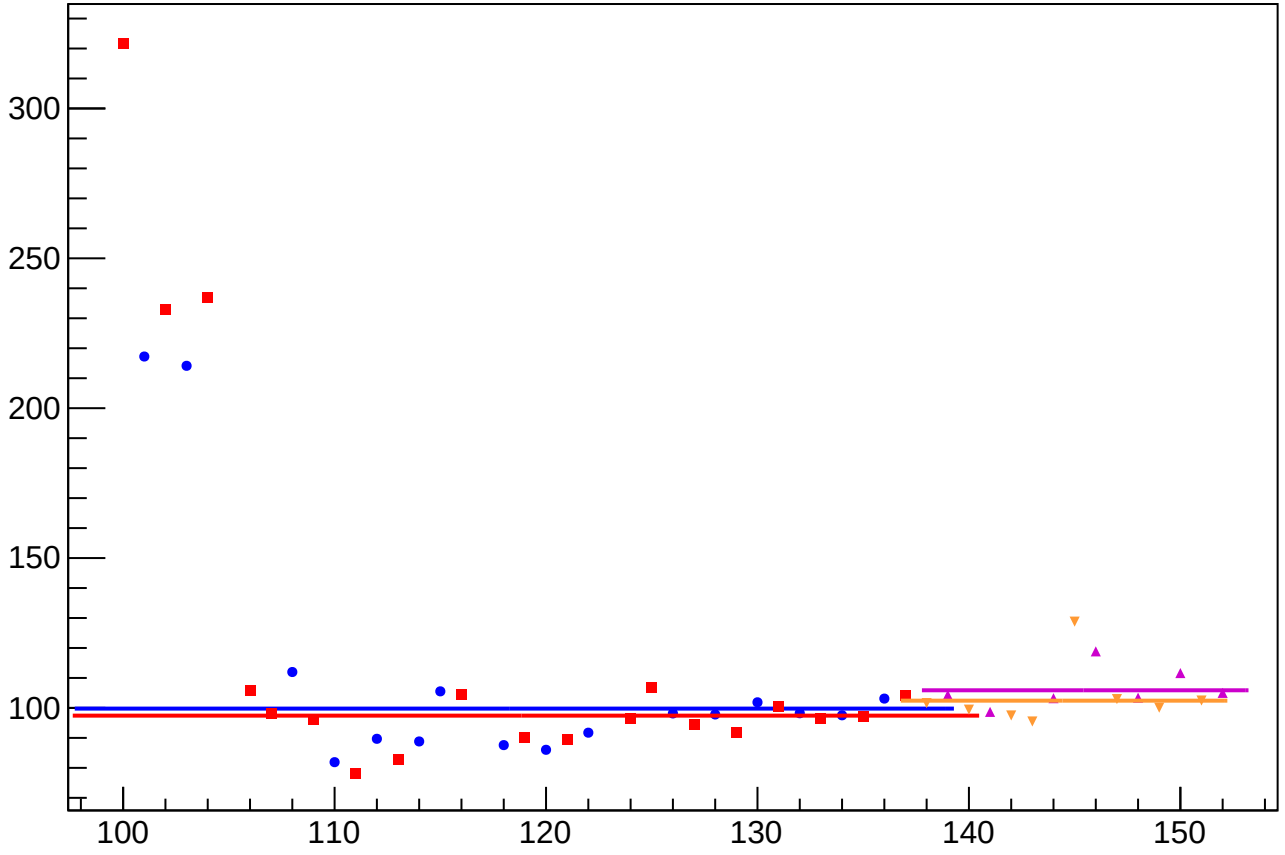
Left In: 5761.235+/-43.472 χ^2/NDF:7684.3/6

+ sign -4412.732+/-28.844 χ^2/NDF: 57454.7/23

All: -534.705+/-20.309 χ^2/NDF: 115889.0/49

- sign 3278.039+/-28.600 χ^2/NDF: 22585.6/25

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.423+/-0.030 χ^2/NDF:78670.5/7

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

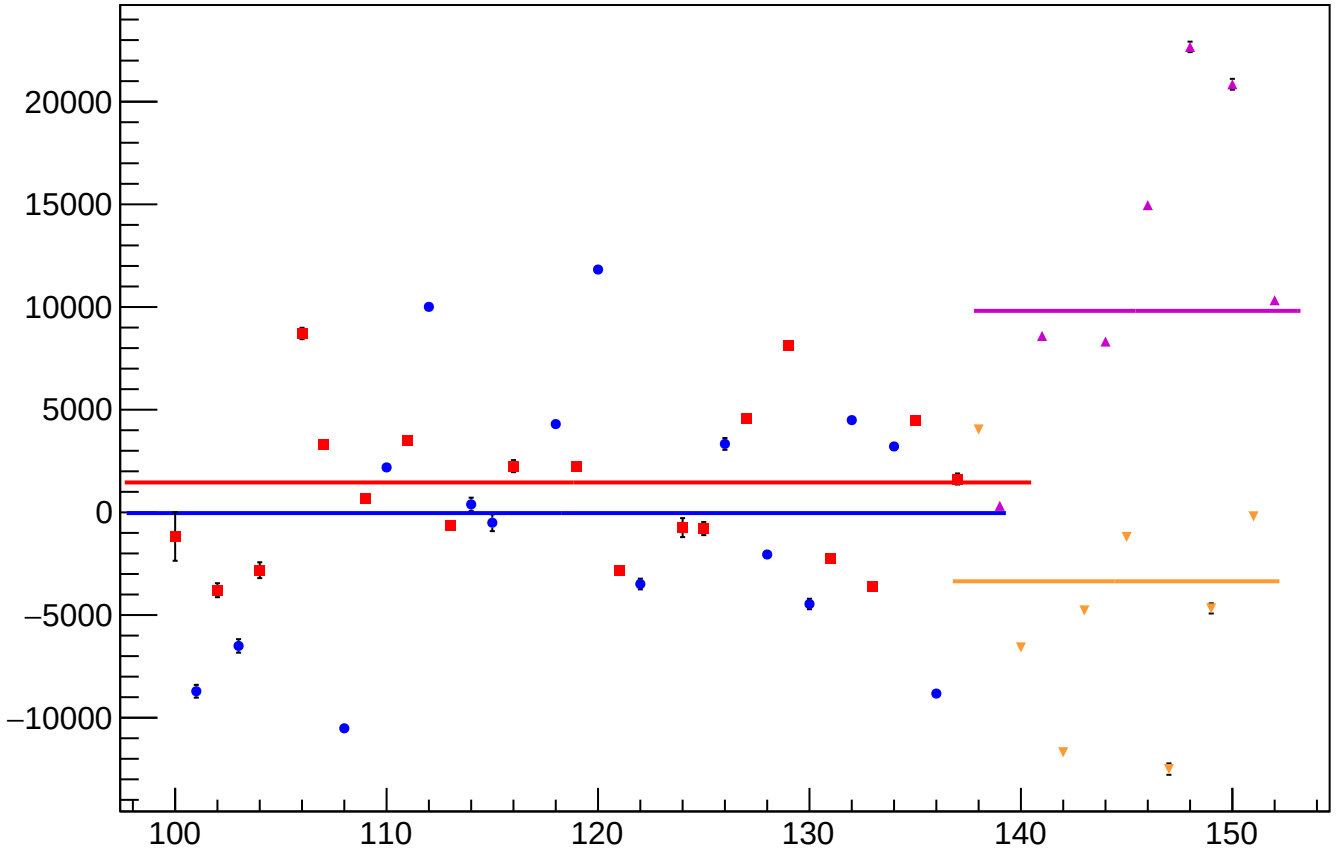
Left In: 105.885+/-0.031 χ^2/NDF:37308.4/6

+ sign 101.020+/-0.020 χ^2/NDF: 892025.3/23

All: 101.054+/-0.014 χ^2/NDF: 1898317.1/49

- sign 101.088+/-0.020 χ^2/NDF: 1006286.3/25

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3355.467+/-68.927 χ^2/NDF:5485.4/7

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

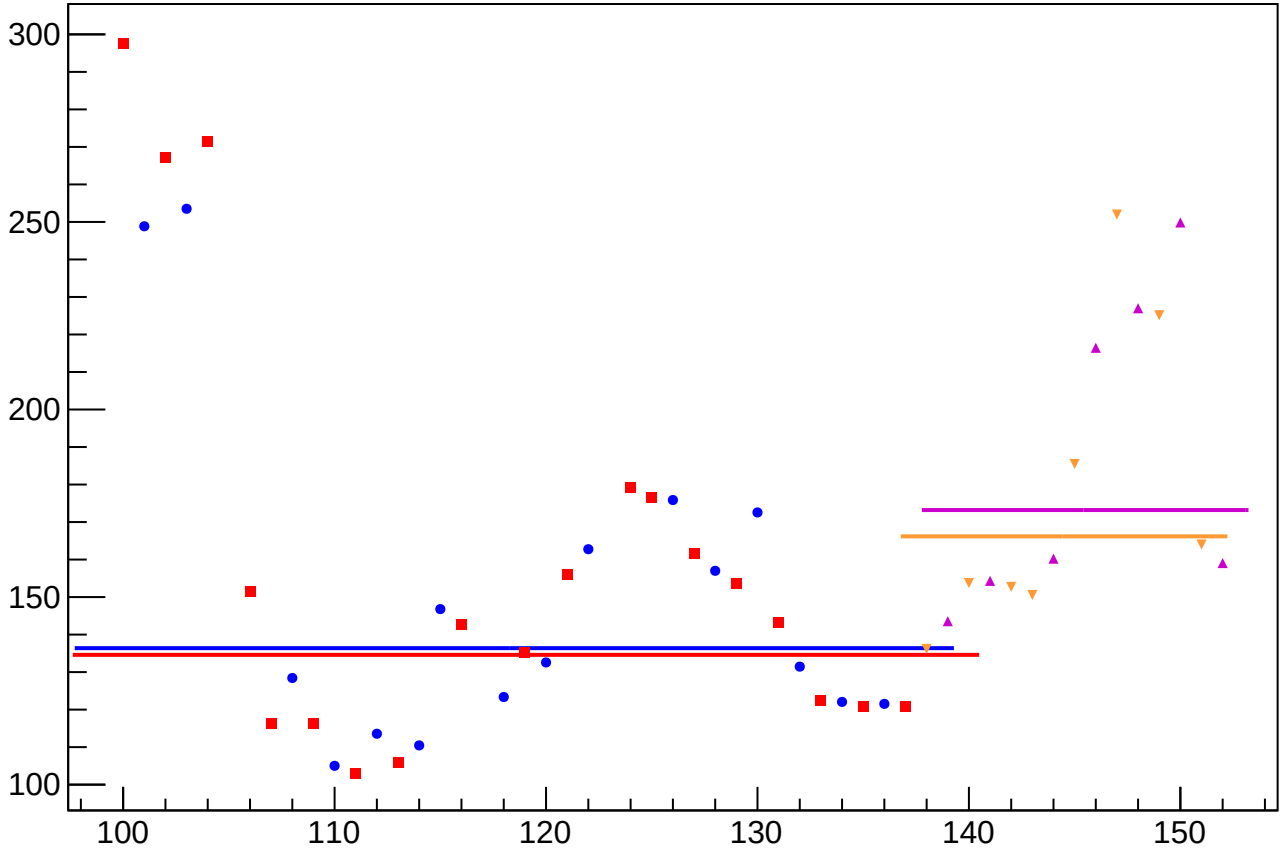
Left In: 9813.512+/-72.363 χ^2/NDF:8501.7/6

+ sign -1282.135+/-42.246 χ^2/NDF: 23737.4/23

All: 1511.345+/-29.856 χ^2/NDF: 53892.6/49

- sign 4298.581+/-42.199 χ^2/NDF: 21420.1/25

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 166.185+/-0.049 χ^2/NDF:430726.3/7

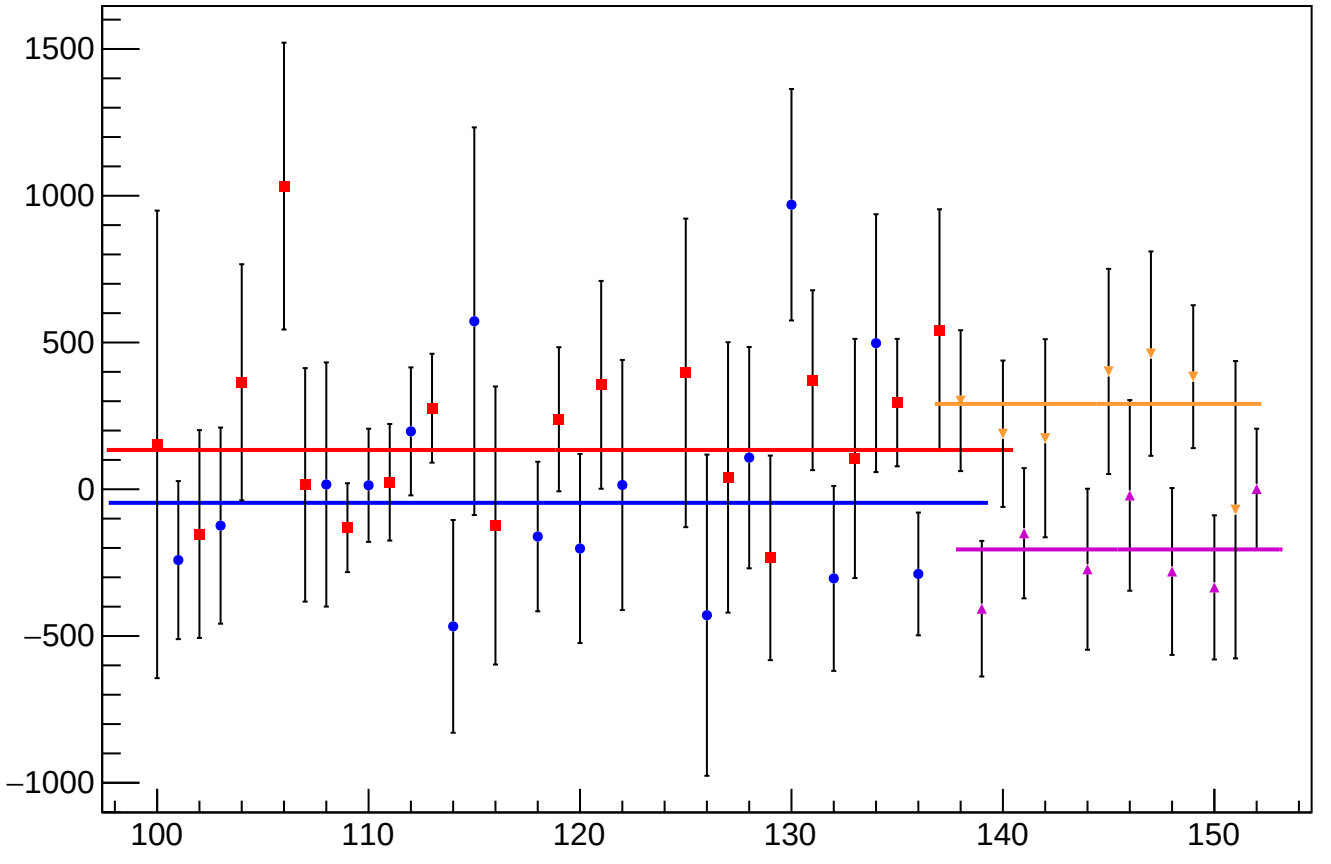
Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 173.197+/-0.051 χ^2/NDF:448778.0/6

+ sign 147.579+/-0.030 χ^2/NDF: 1461013.3/23

All: 147.652+/-0.021 χ^2/NDF: 3204942.2/49

- sign 147.725+/-0.030 χ^2/NDF: 1743916.9/25



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 290.916+/-112.201 χ^2/NDF:1.3/6

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

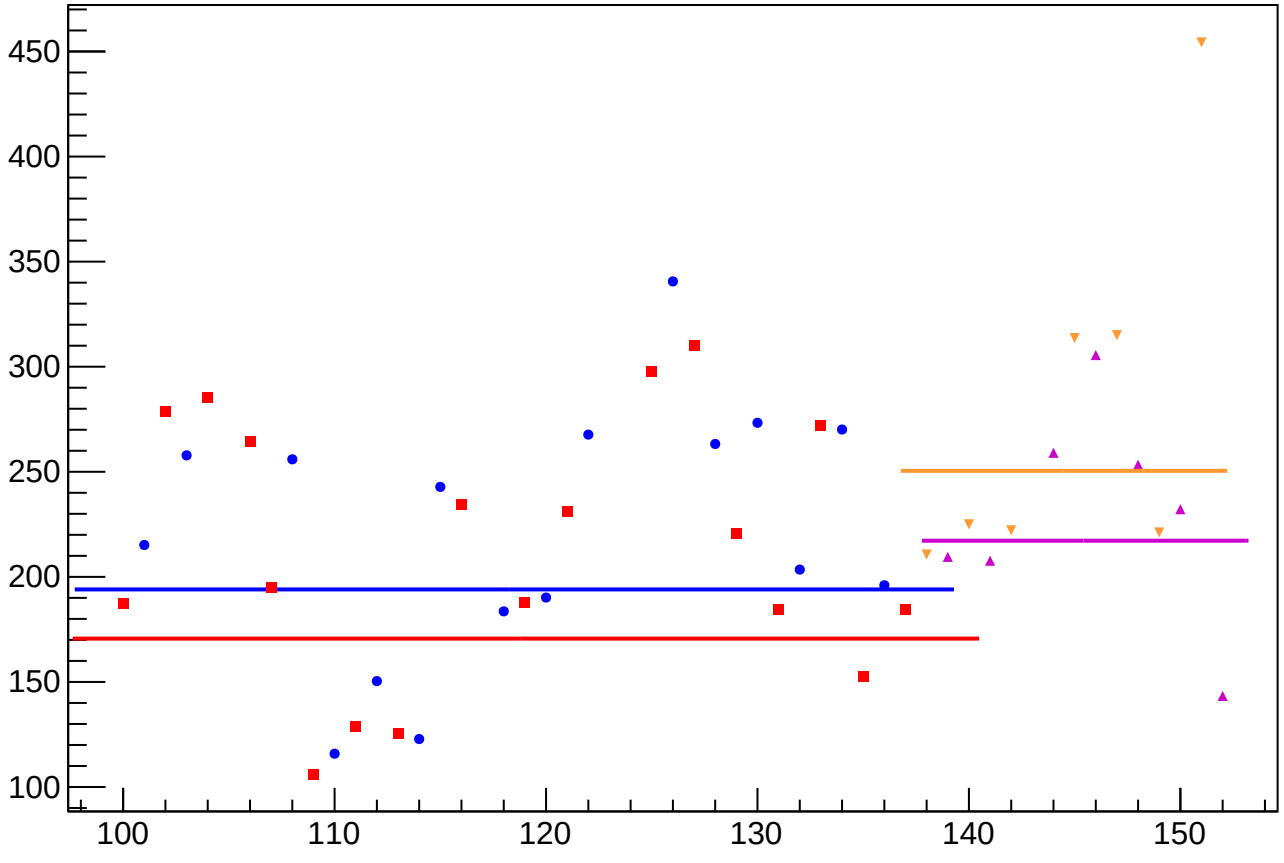
Left In: -205.015+/-93.456 χ^2/NDF:2.6/6

+ sign 60.368+/-63.084 χ^2/NDF: 22.9/22

All: 35.047+/-41.543 χ^2/NDF: 47.2/47

- sign 15.657+/-55.203 χ^2/NDF: 24.0/24

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 250.457+/-0.079 χ^2/NDF:577031.2/6

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

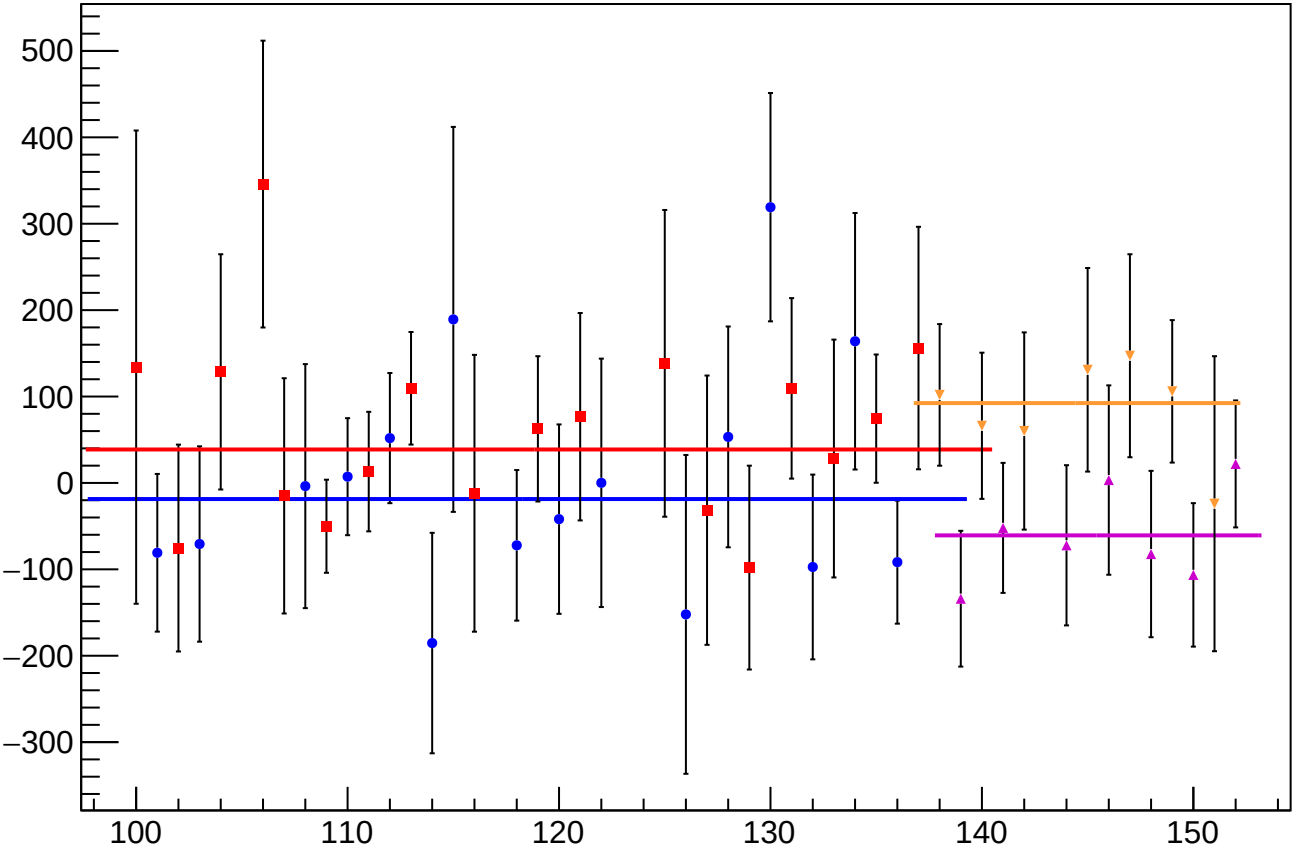
Left In: 217.202+/-0.066 χ^2/NDF:499089.7/6

+ sign 211.858+/-0.045 χ^2/NDF: 1966713.8/22

All: 197.710+/-0.029 χ^2/NDF: 4560651.2/47

- sign 186.875+/-0.039 χ^2/NDF: 2416290.8/24

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 92.428+/-38.034 χ^2/NDF:1.0/6

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

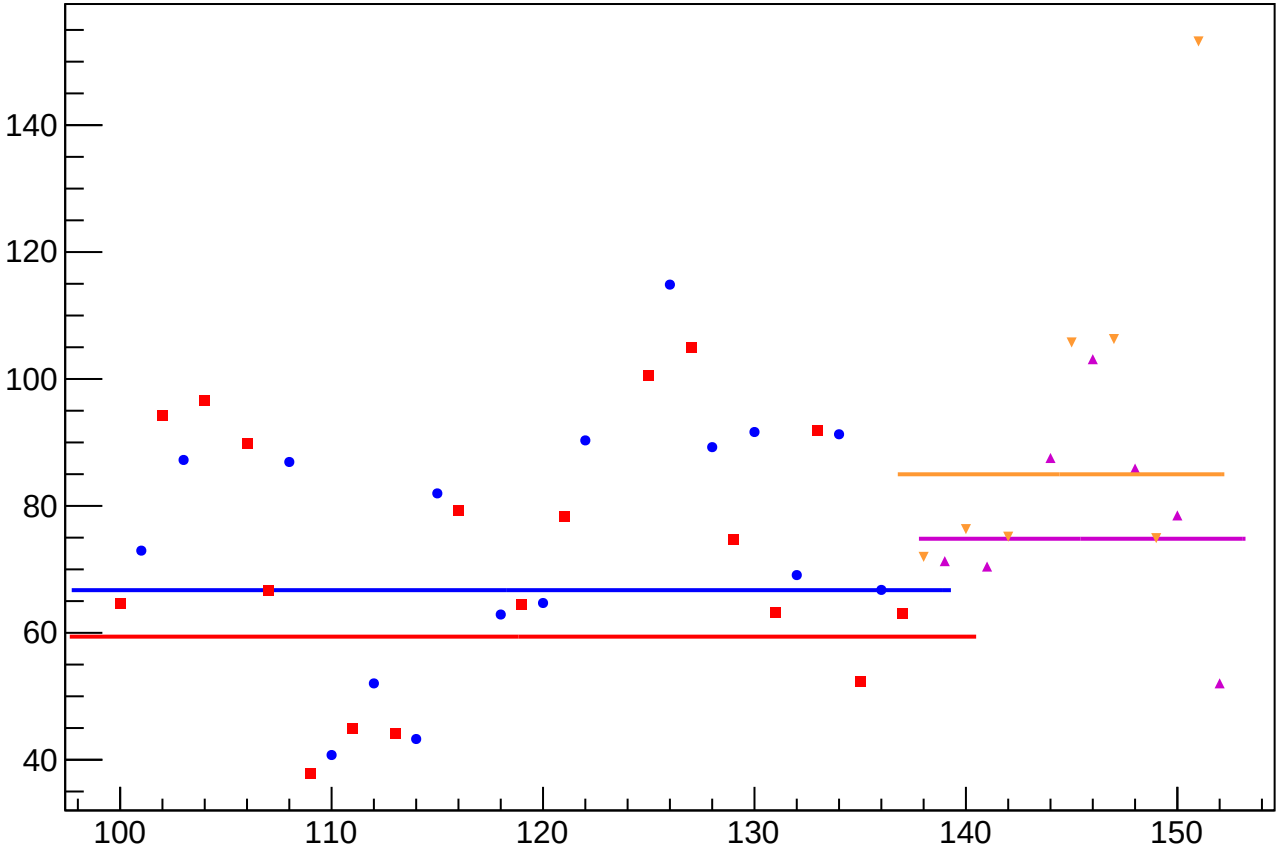
Left In: -60.691+/-32.005 χ^2/NDF:2.9/6

\+ sign 16.957+/-21.533 χ^2/NDF: 22.0/22

All: 9.456+/-14.256 χ^2/NDF: 43.9/47

\- sign 3.603+/-19.021 χ^2/NDF: 21.7/24

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 84.982+/-0.027 χ^2/NDF:563081.6/6

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

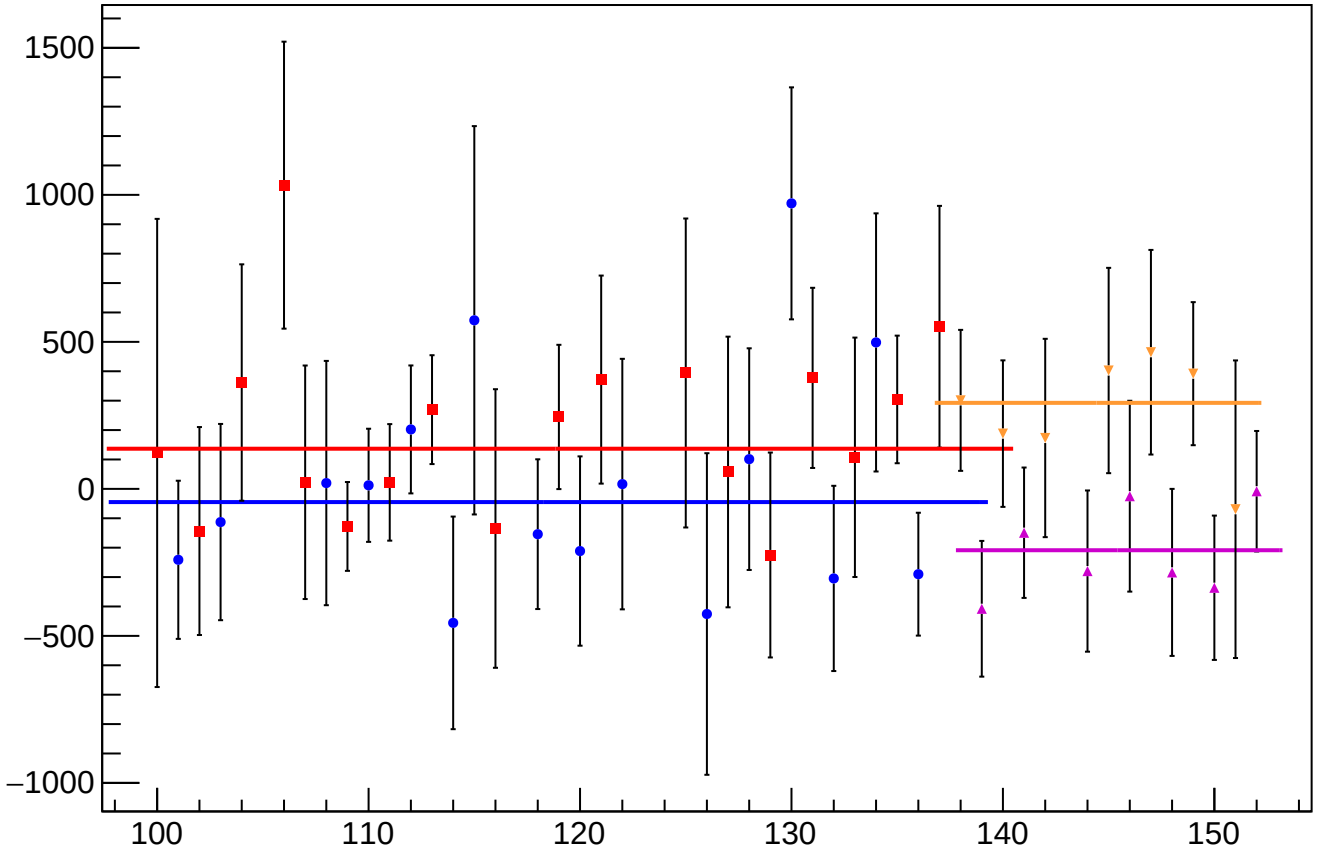
Left In: 74.826+/-0.023 χ^2/NDF:404308.7/6

+ sign 72.576+/-0.015 χ^2/NDF: 1823283.1/22

All: 68.236+/-0.010 χ^2/NDF: 4118114.6/47

- sign 64.849+/-0.013 χ^2/NDF: 2150158.4/24

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 292.566+/-112.116 χ^2/NDF:1.3/6

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

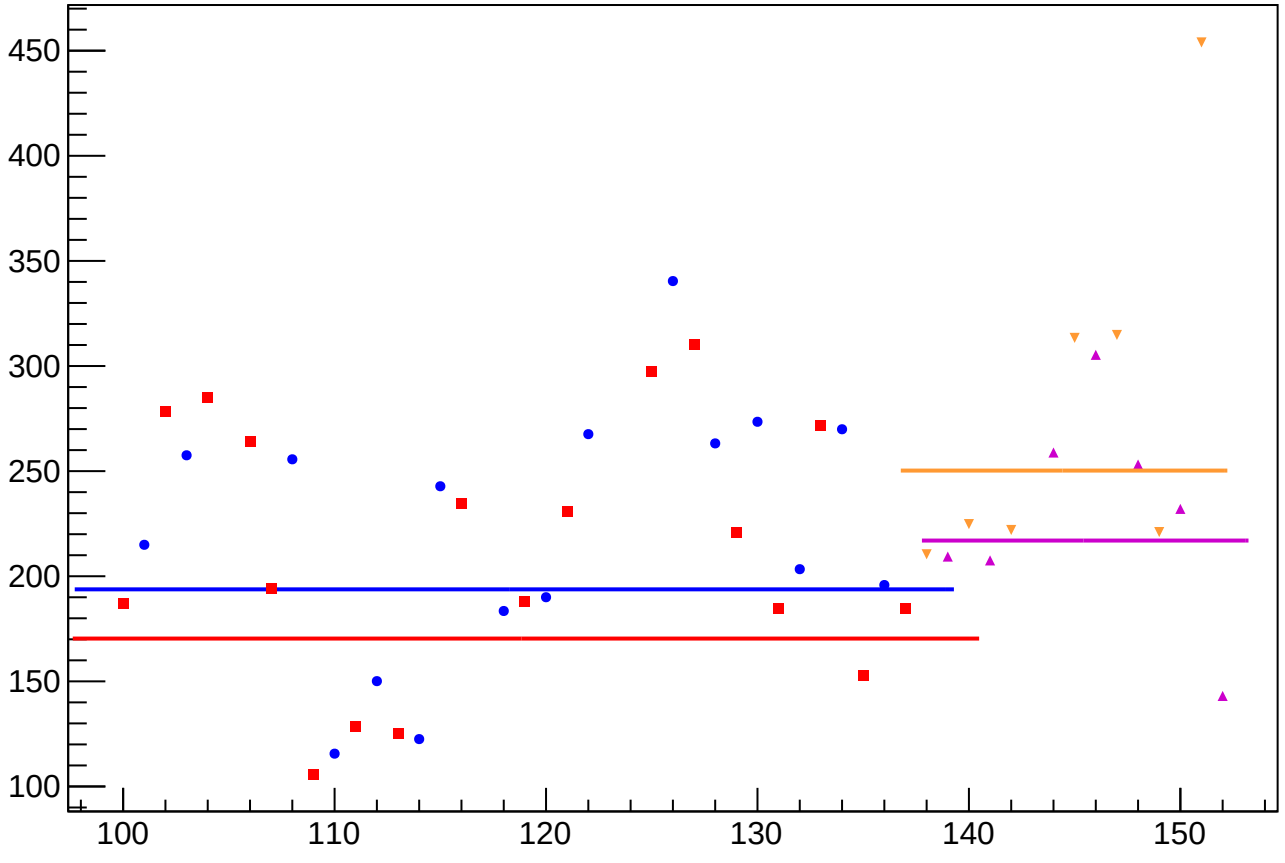
Left In: -208.694+/-93.368 χ^2/NDF:2.5/6

+ sign 61.715+/-63.021 χ^2/NDF: 23.0/22

All: 35.919+/-41.497 χ^2/NDF: 47.6/47

- sign 16.173+/-55.137 χ^2/NDF: 24.3/24

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 250.267+/-0.079 χ^2/NDF:576997.3/6

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

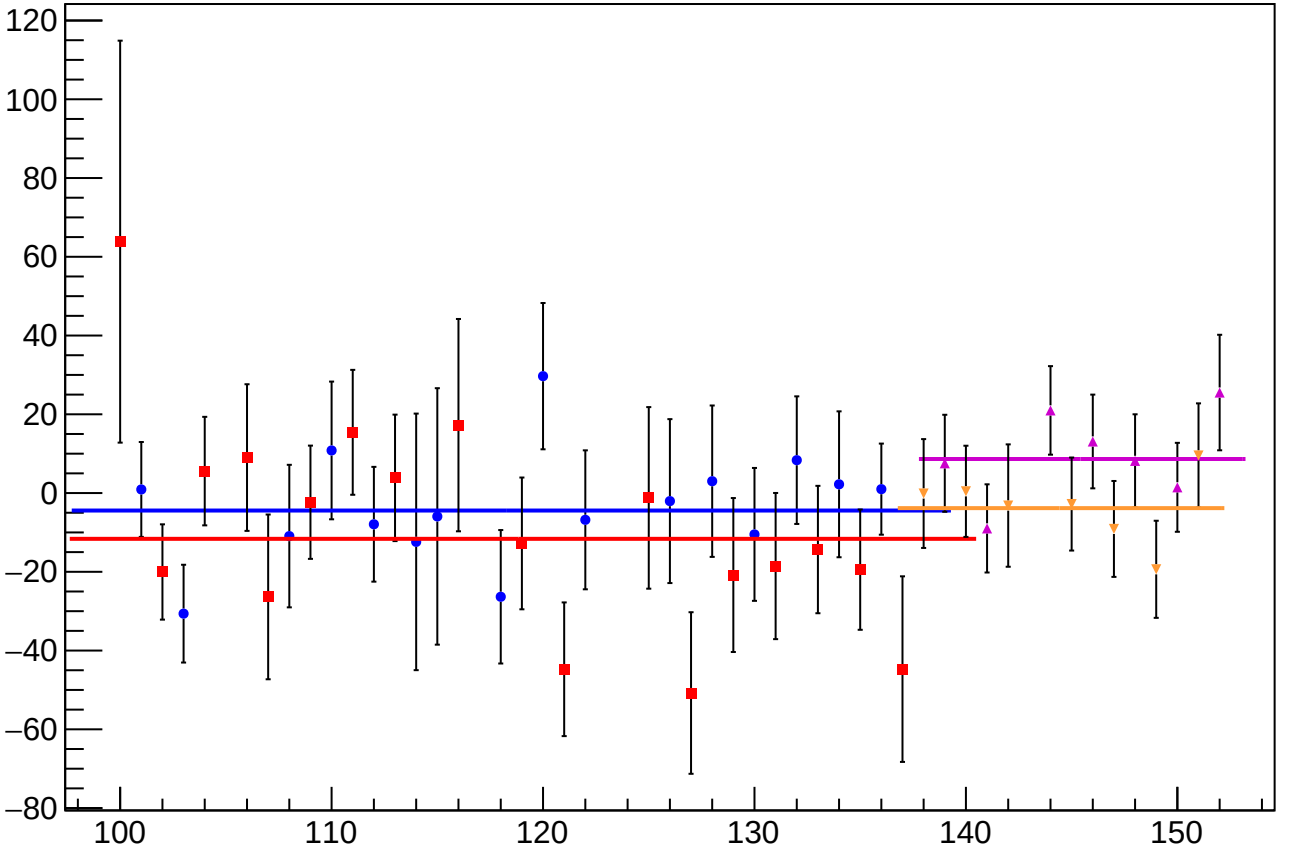
Left In: 216.978+/-0.066 χ^2/NDF:500730.3/6

+ sign 211.619+/-0.045 χ^2/NDF: 1972517.1/22

All: 197.457+/-0.029 χ^2/NDF: 4575348.1/47

- sign 186.616+/-0.039 χ^2/NDF: 2424505.2/24

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -3.831+/-4.821 χ^2/NDF:3.0/6

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

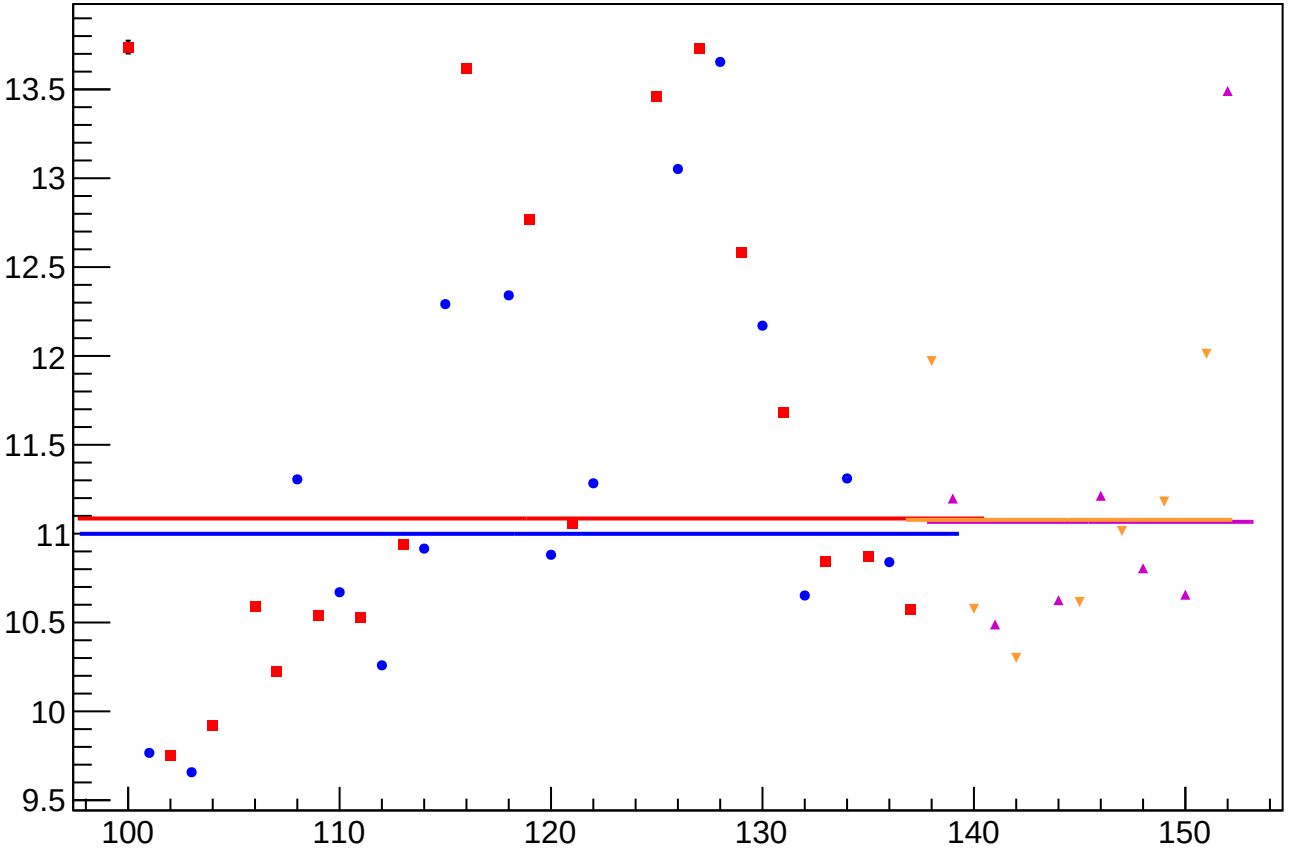
Left In: 8.647+/-4.510 χ^2/NDF:5.6/6

+ sign -4.182+/-3.137 χ^2/NDF: 15.0/22

All: -3.246+/-2.186 χ^2/NDF: 53.4/47

- sign -2.363+/-3.048 χ^2/NDF: 38.2/24

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.078+/-0.003 χ^2/NDF:30312.1/6

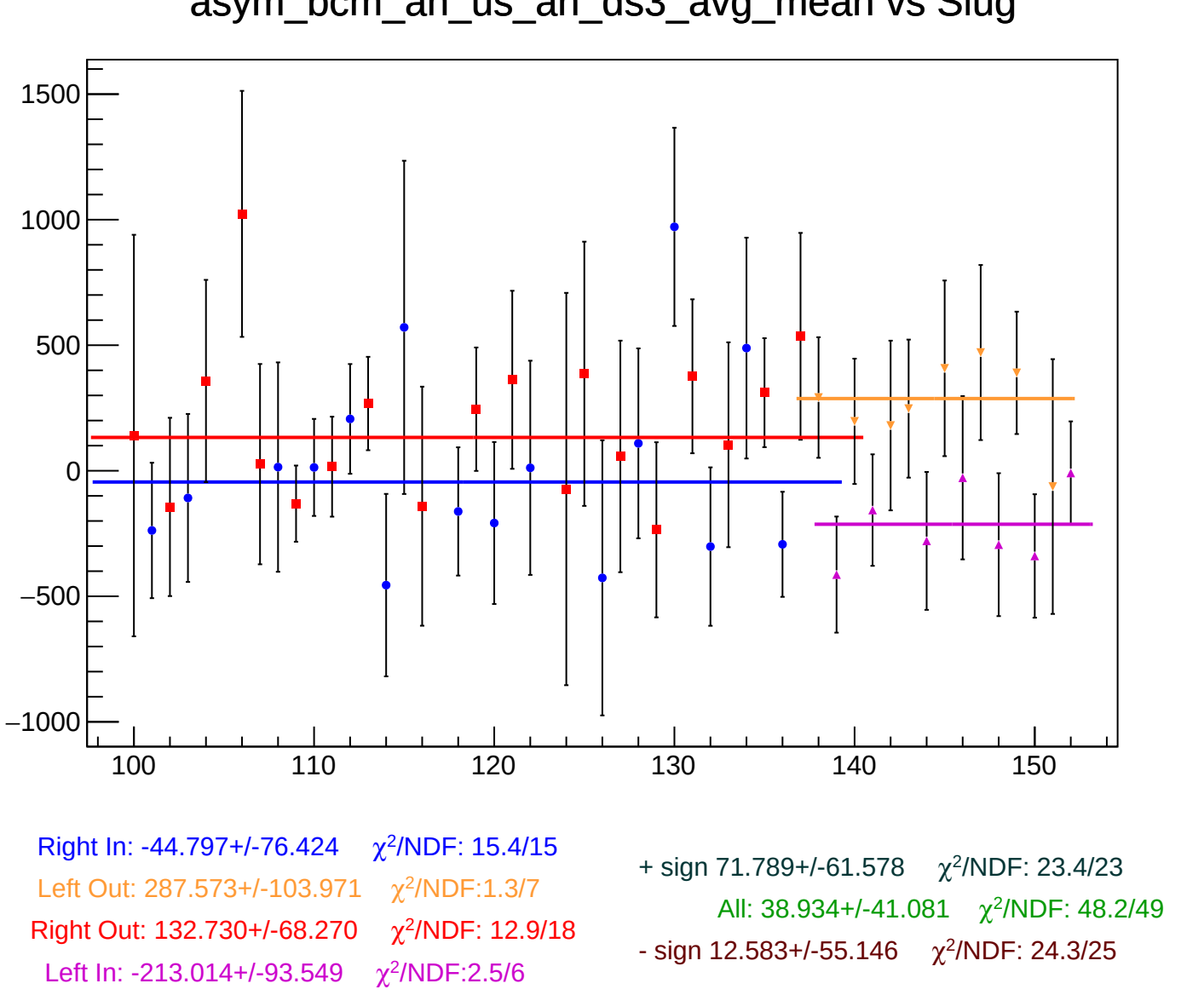
Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.067+/-0.003 χ^2/NDF:67185.5/6

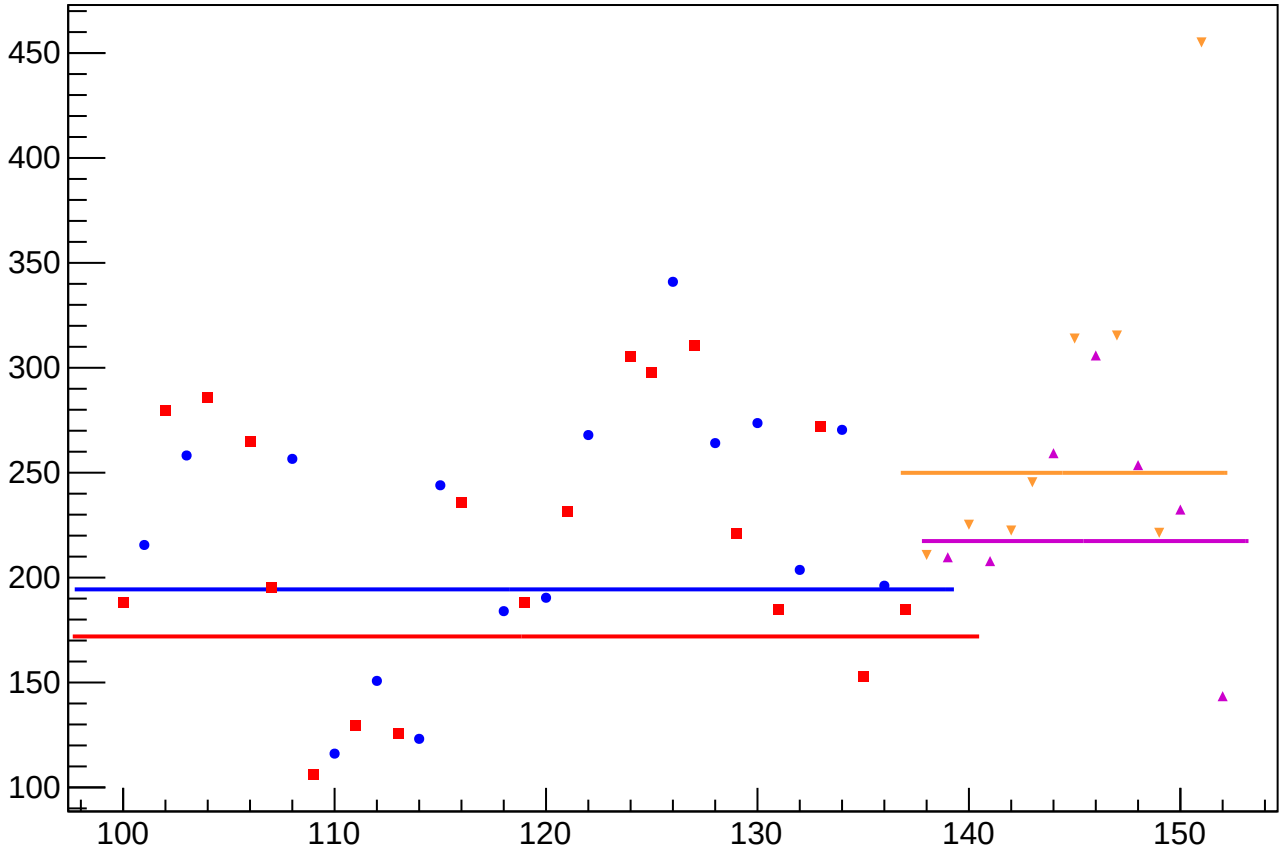
+ sign 11.032+/-0.002 χ^2/NDF: 166777.6/22

All: 11.055+/-0.002 χ^2/NDF: 396392.4/47

- sign 11.077+/-0.002 χ^2/NDF: 229408.7/24


asym_bcm_an_us_an_ds3_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: -44.797+/-76.424 χ²/NDF: 15.4/15
Left Out: 287.573+/-103.971 χ²/NDF:1.3/7
Right Out: 132.730+/-68.270 χ²/NDF: 12.9/18
Left In: -213.014+/-93.549 χ²/NDF:2.5/6
+ sign 71.789+/-61.578 χ²/NDF: 23.4/23
All: 38.934+/-41.081 χ²/NDF: 48.2/49
- sign 12.583+/-55.146 χ²/NDF: 24.3/25

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 249.937+/-0.074 χ^2/NDF:578479.8/7

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

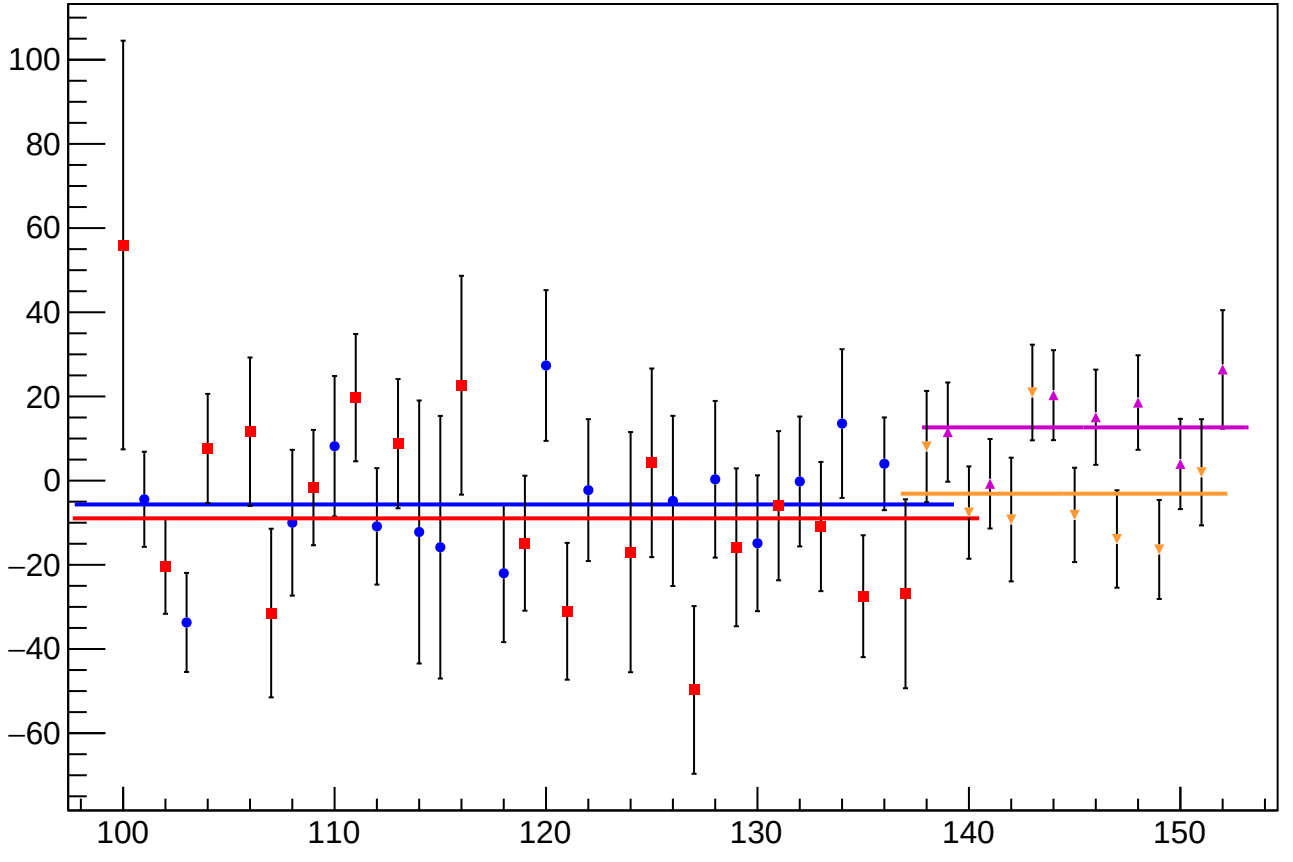
Left In: 217.413+/-0.066 χ^2/NDF:499111.3/6

+ sign 213.871+/-0.044 χ^2/NDF: 1991186.2/23

All: 199.374+/-0.029 χ^2/NDF: 4649617.1/49

- sign 187.748+/-0.039 χ^2/NDF: 2458683.7/25

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -3.100+/-4.250 χ^2/NDF:8.0/7

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

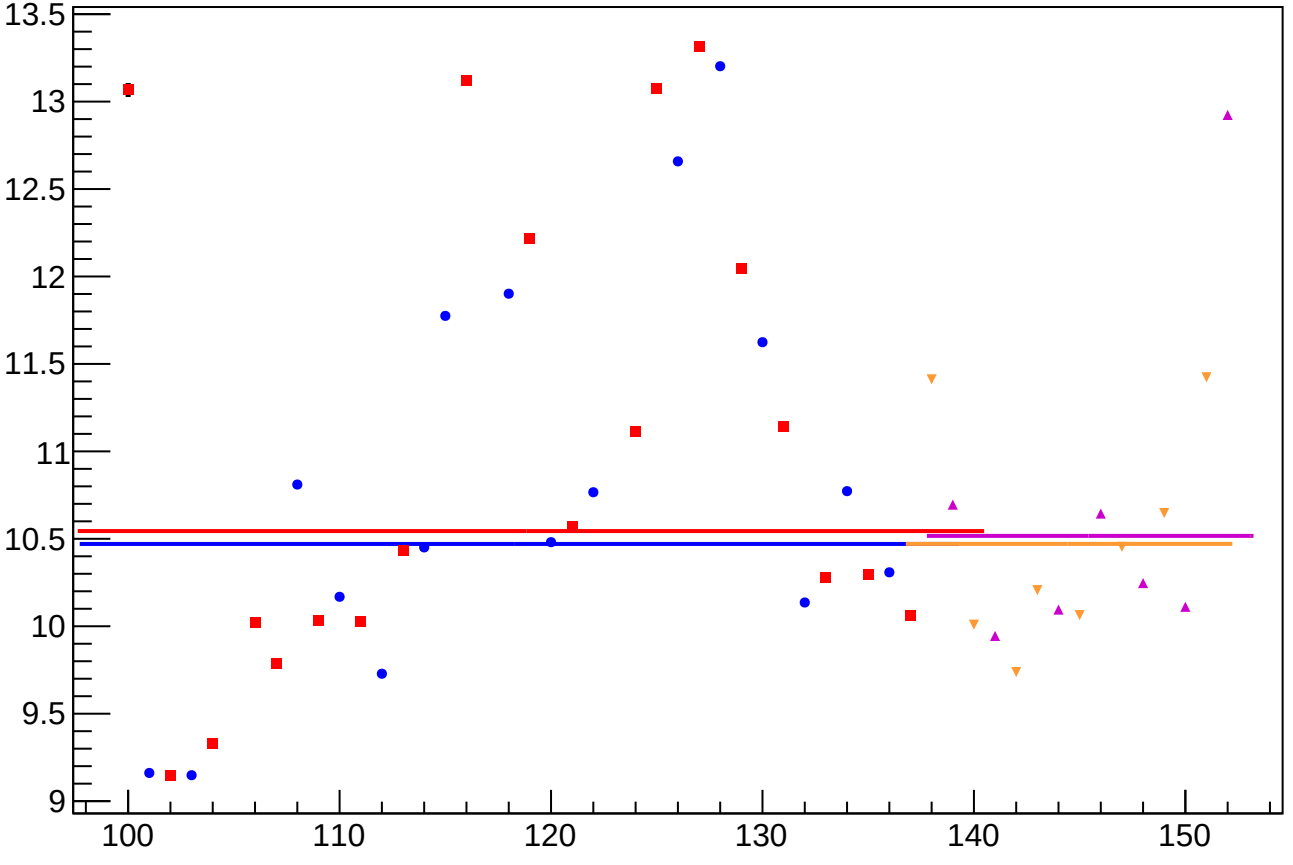
Left In: 12.647+/-4.292 χ^2/NDF:4.0/6

+ sign -4.476+/-2.889 χ^2/NDF: 21.9/23

All: -1.828+/-2.042 χ^2/NDF: 64.3/49

- sign 0.815+/-2.887 χ^2/NDF: 40.7/25

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.471+/-0.003 χ^2/NDF:34245.4/7

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

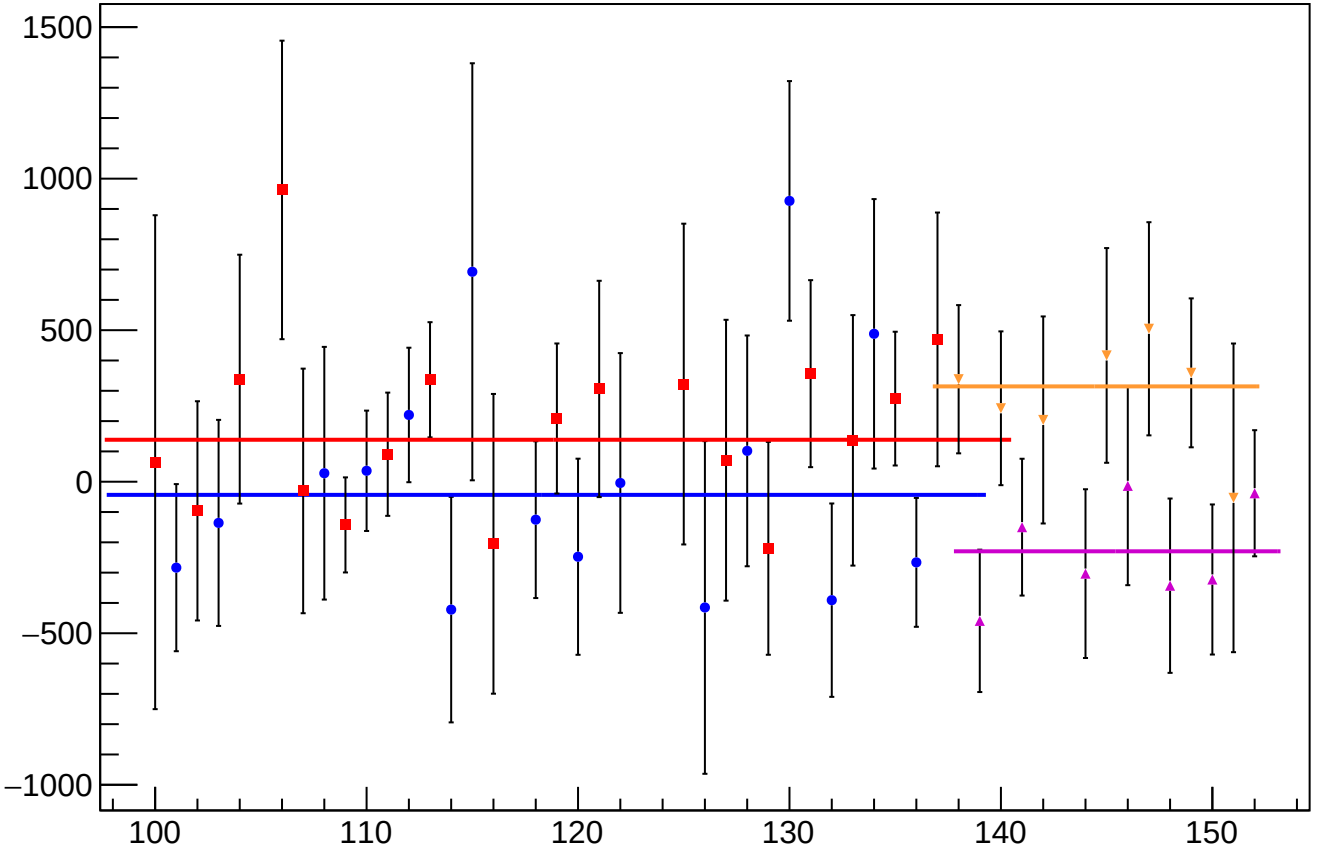
Left In: 10.517+/-0.003 χ^2/NDF:72084.0/6

+ sign 10.471+/-0.002 χ^2/NDF: 191611.2/23

All: 10.501+/-0.001 χ^2/NDF: 450968.7/49

- sign 10.532+/-0.002 χ^2/NDF: 258909.6/25

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 314.515+/-113.744 χ^2/NDF:1.1/6

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

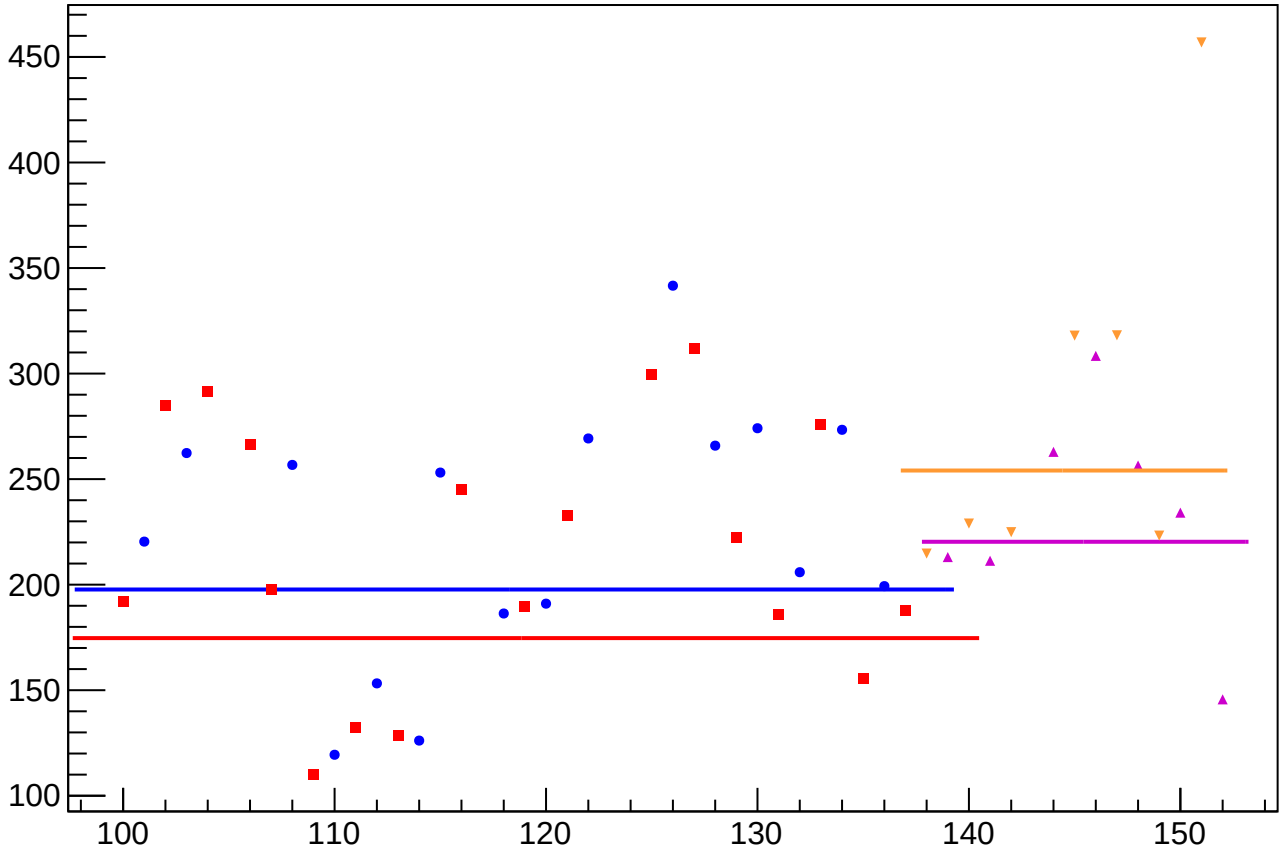
Left In: -229.605+/-94.721 χ^2/NDF:2.7/6

+ sign 70.258+/-64.094 χ^2/NDF: 23.3/22

All: 35.544+/-42.260 χ^2/NDF: 47.8/47

- sign 8.847+/-56.209 χ^2/NDF: 24.0/24

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 254.076+/-0.080 χ^2/NDF:566137.1/6

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

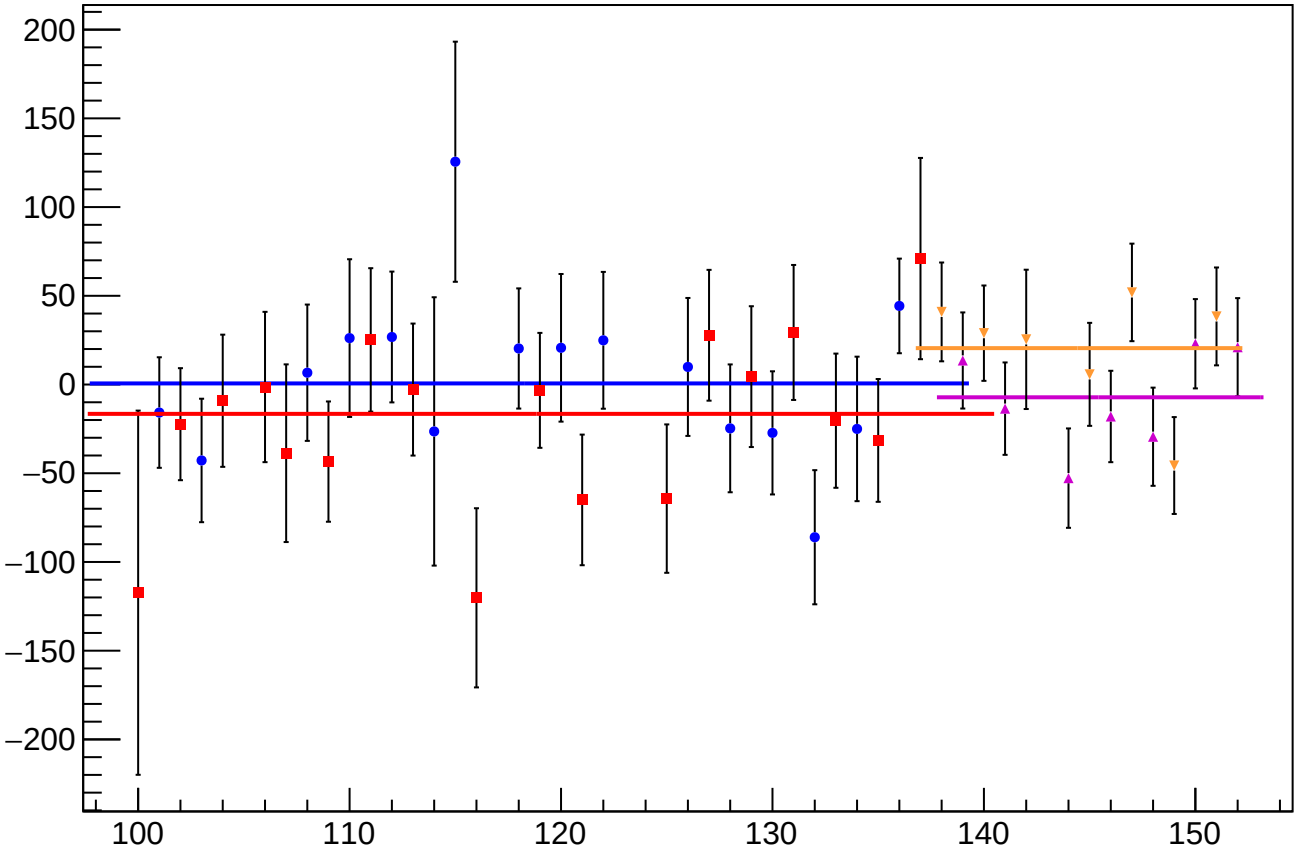
Left In: 220.316+/-0.067 χ^2/NDF:491501.9/6

+ sign 215.606+/-0.045 χ^2/NDF: 1901685.9/22

All: 201.555+/-0.030 χ^2/NDF: 4398749.6/47

- sign 190.749+/-0.040 χ^2/NDF: 2327035.9/24

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 20.506+/-10.852 χ^2/NDF:8.5/6

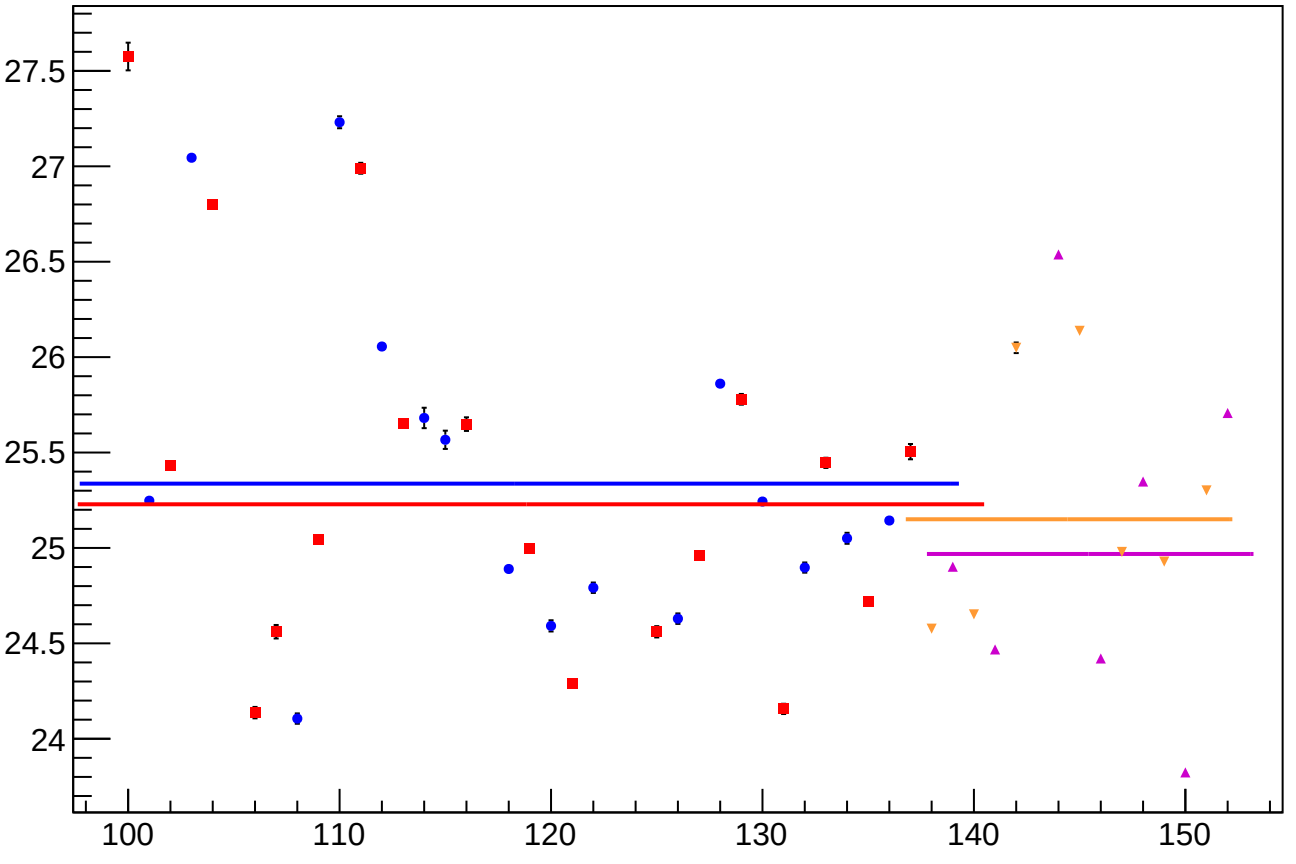
Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: -7.199+/-10.094 χ^2/NDF:6.6/6

+ sign 9.167+/-7.114 χ^2/NDF: 27.2/22

All: -1.956+/-4.932 χ^2/NDF: 55.3/47

- sign -12.245+/-6.842 χ^2/NDF: 23.4/24



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.150+/-0.008 χ^2/NDF:5170.0/6

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

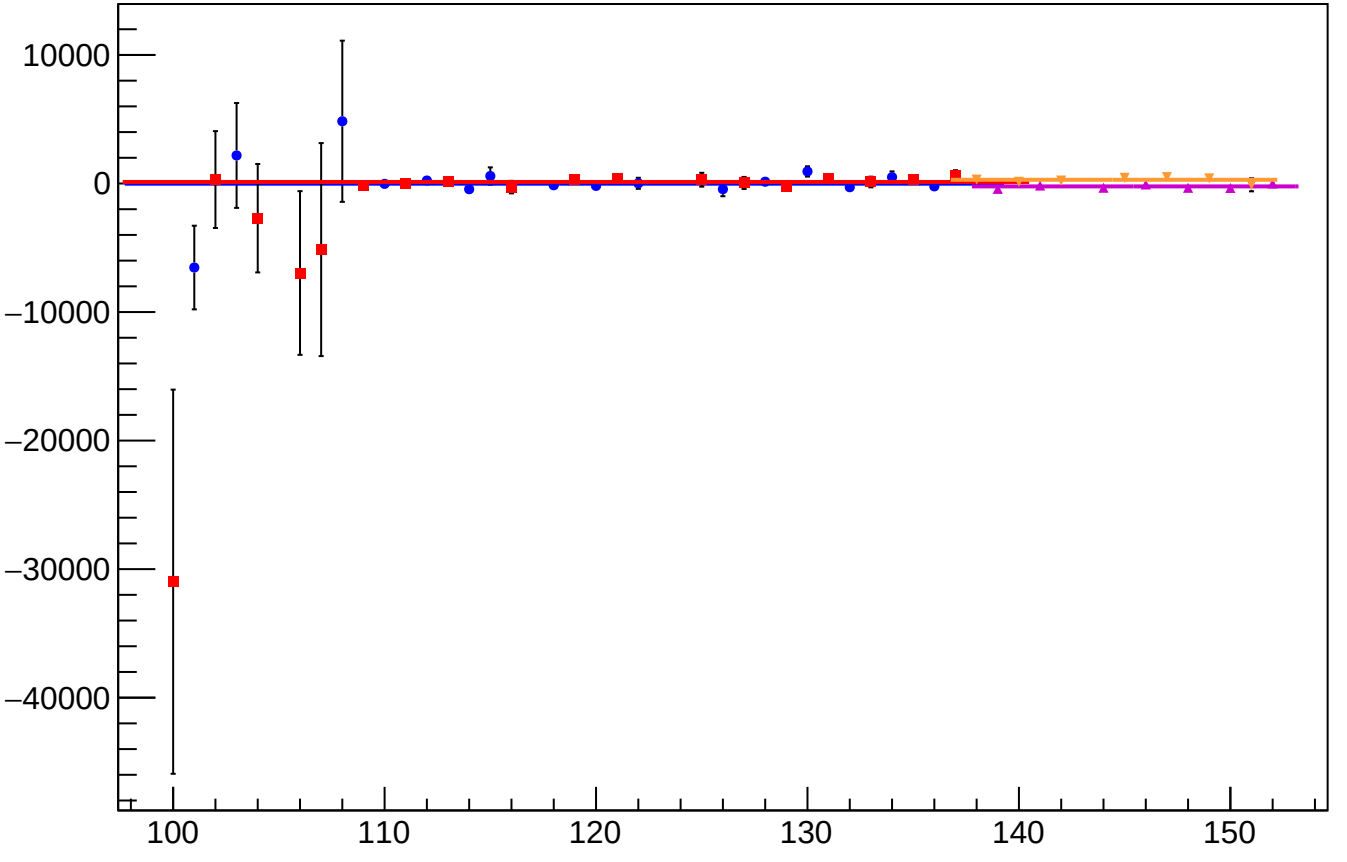
Left In: 24.968+/-0.007 χ^2/NDF:13879.3/6

+ sign 25.257+/-0.005 χ^2/NDF: 19822.5/22

All: 25.180+/-0.003 χ^2/NDF: 50044.4/47

- sign 25.109+/-0.005 χ^2/NDF: 29774.6/24

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 289.195+/-114.325 χ^2/NDF:1.7/6

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

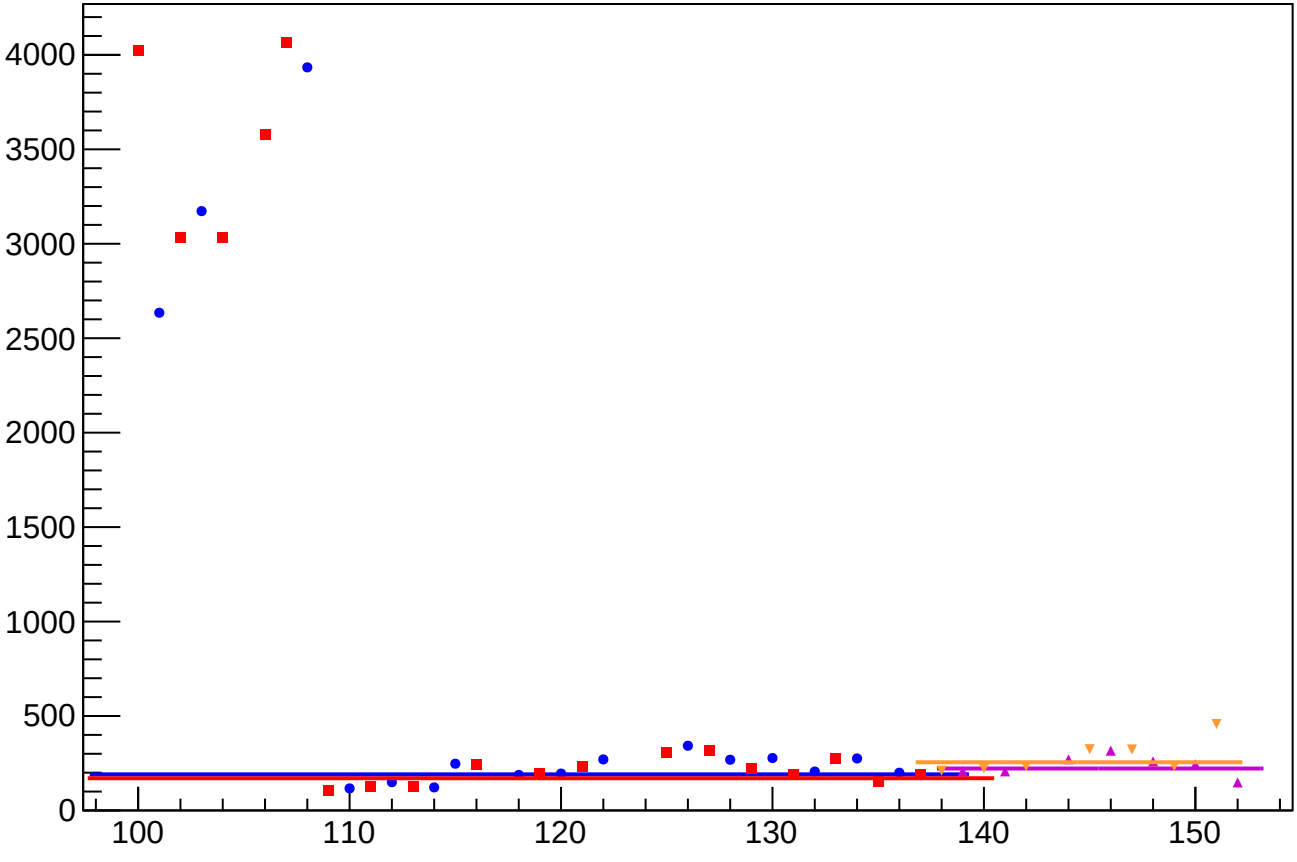
Left In: -226.123+/-95.530 χ^2/NDF:2.6/6

+ sign 93.586+/-67.929 χ^2/NDF: 24.6/22

All: 30.841+/-45.193 χ^2/NDF: 51.0/47

- sign -18.985+/-60.533 χ^2/NDF: 24.9/24

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 255.131+/-0.081 χ^2/NDF:590423.9/6

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

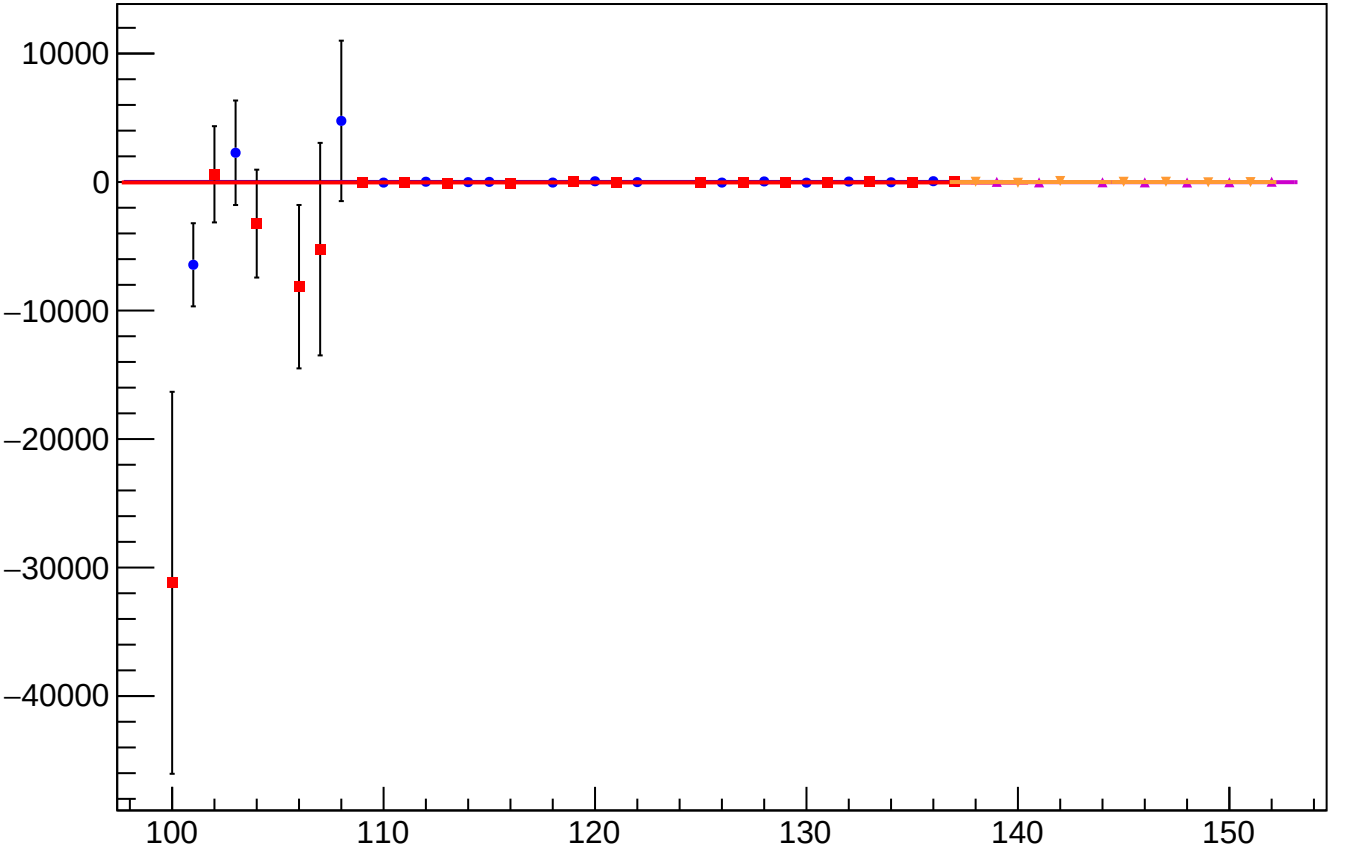
Left In: 221.971+/-0.068 χ^2/NDF:524890.2/6

+ sign 213.686+/-0.048 χ^2/NDF: 4830637.9/22

All: 201.132+/-0.032 χ^2/NDF: 10080466.8/47

- sign 191.163+/-0.043 χ^2/NDF: 5127269.7/24

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: 0.434+/-12.626 χ^2/NDF:8.2/6

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

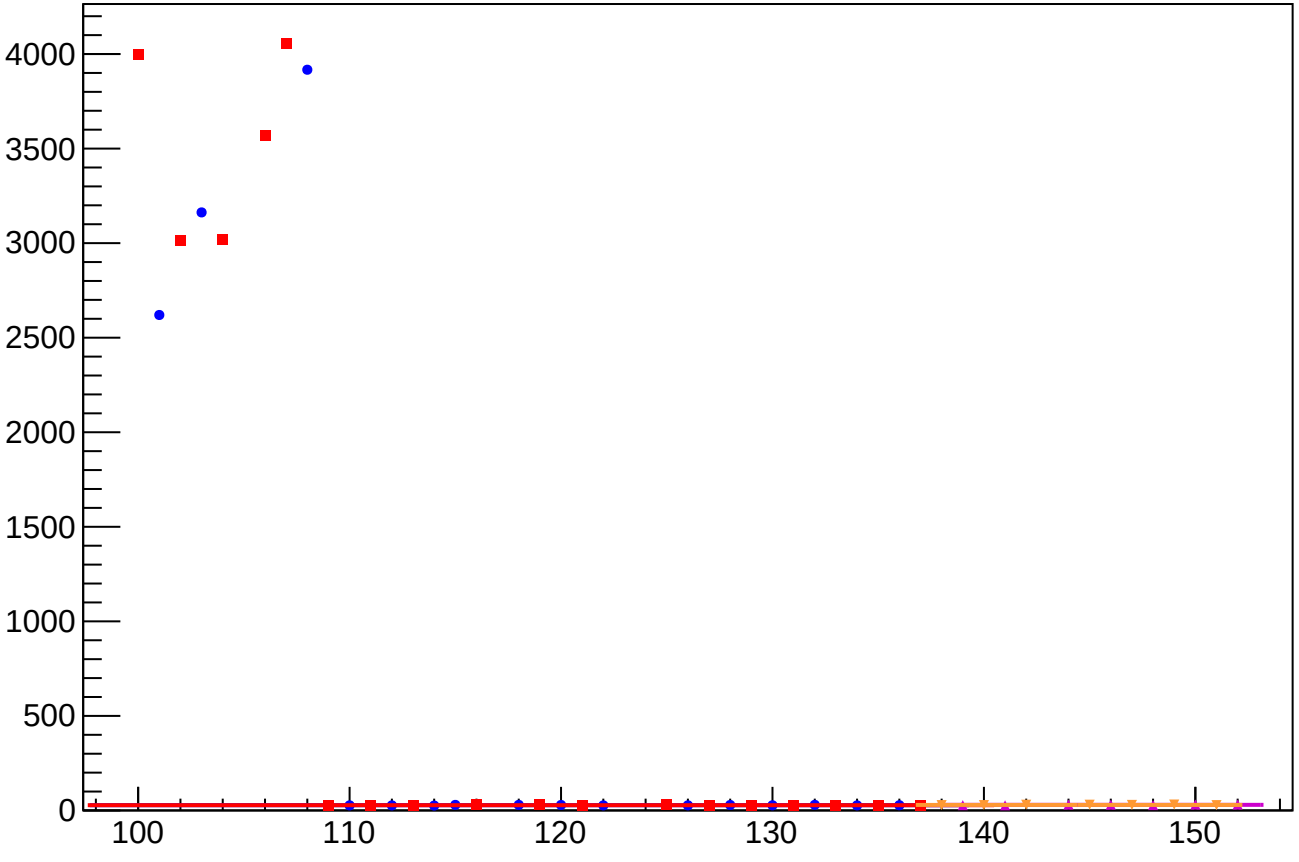
Left In: -10.524+/-12.034 χ^2/NDF:2.7/6

+ sign 3.676+/-8.607 χ^2/NDF: 26.7/22

All: -8.571+/-6.058 χ^2/NDF: 54.7/47

- sign -20.590+/-8.527 χ^2/NDF: 24.0/24

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.198+/-0.009 χ^2/NDF:16428.7/6

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

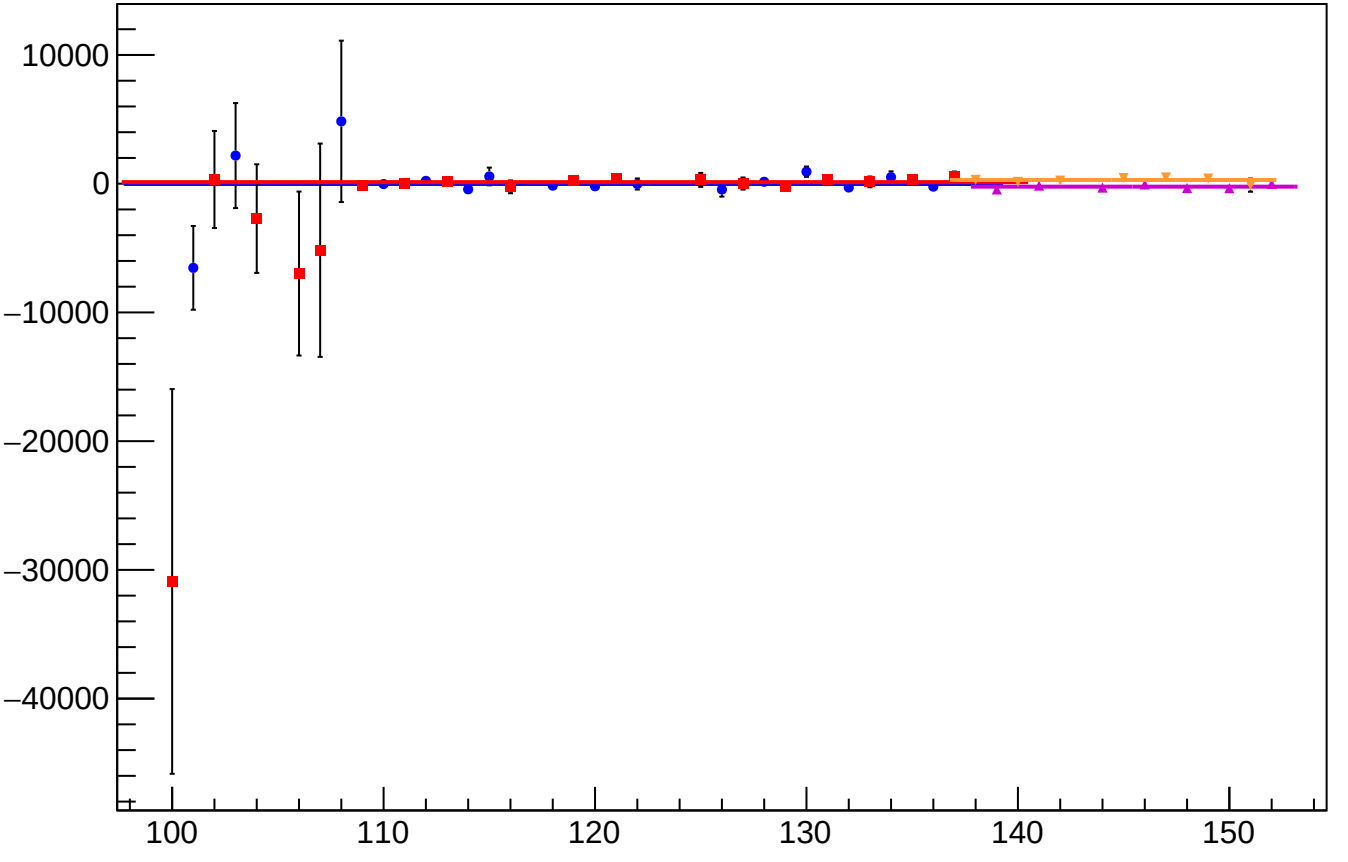
Left In: 29.679+/-0.009 χ^2/NDF:40158.3/6

+ sign 28.463+/-0.006 χ^2/NDF: 3294987.7/22

All: 28.599+/-0.004 χ^2/NDF: 6919369.5/47

- sign 28.732+/-0.006 χ^2/NDF: 3623393.1/24

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 290.335+/-114.820 χ^2/NDF:1.7/6

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

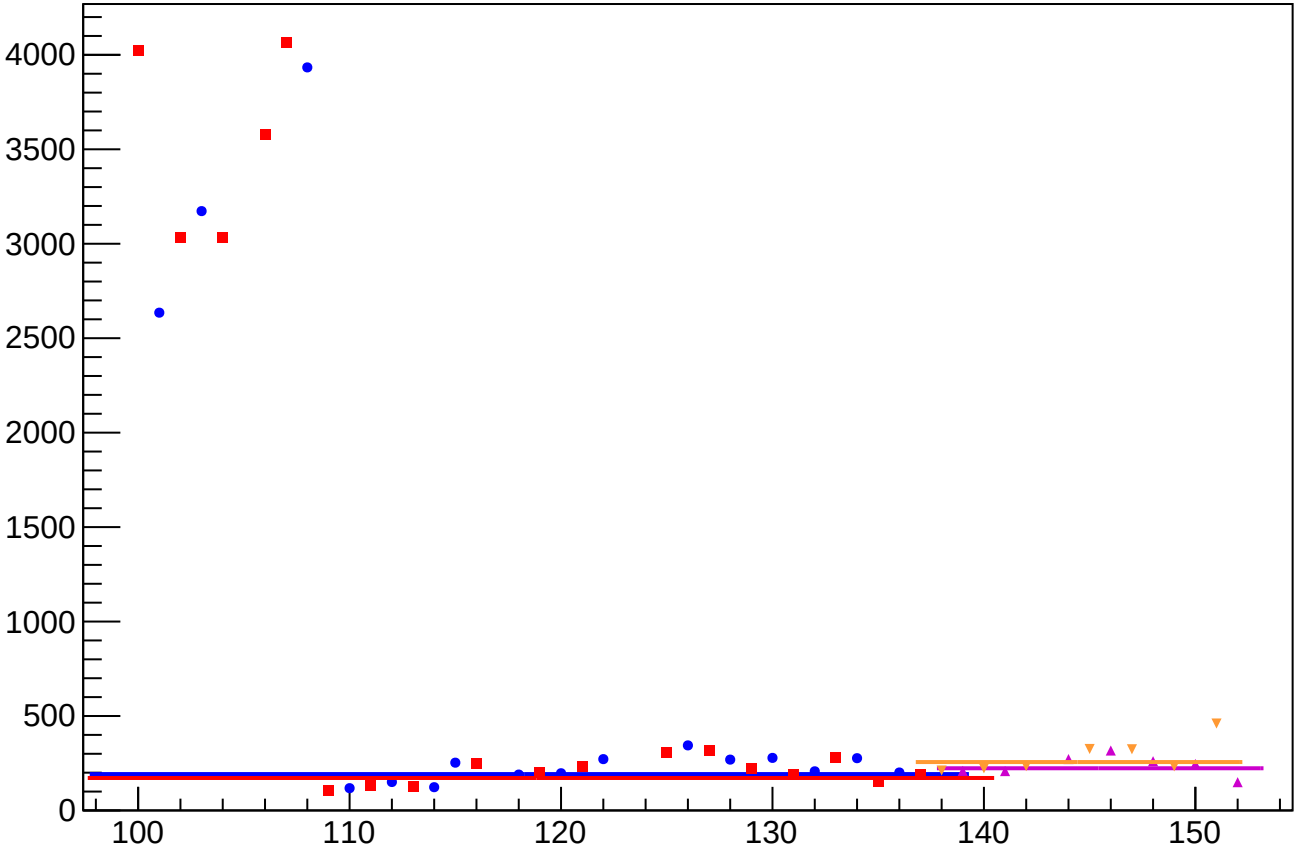
Left In: -229.828+/-96.071 χ^2/NDF:2.7/6

+ sign 90.278+/-68.350 χ^2/NDF: 24.5/22

All: 28.918+/-45.489 χ^2/NDF: 49.9/47

- sign -19.869+/-60.947 χ^2/NDF: 23.9/24

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 256.234+/-0.081 χ^2/NDF:590705.6/6

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

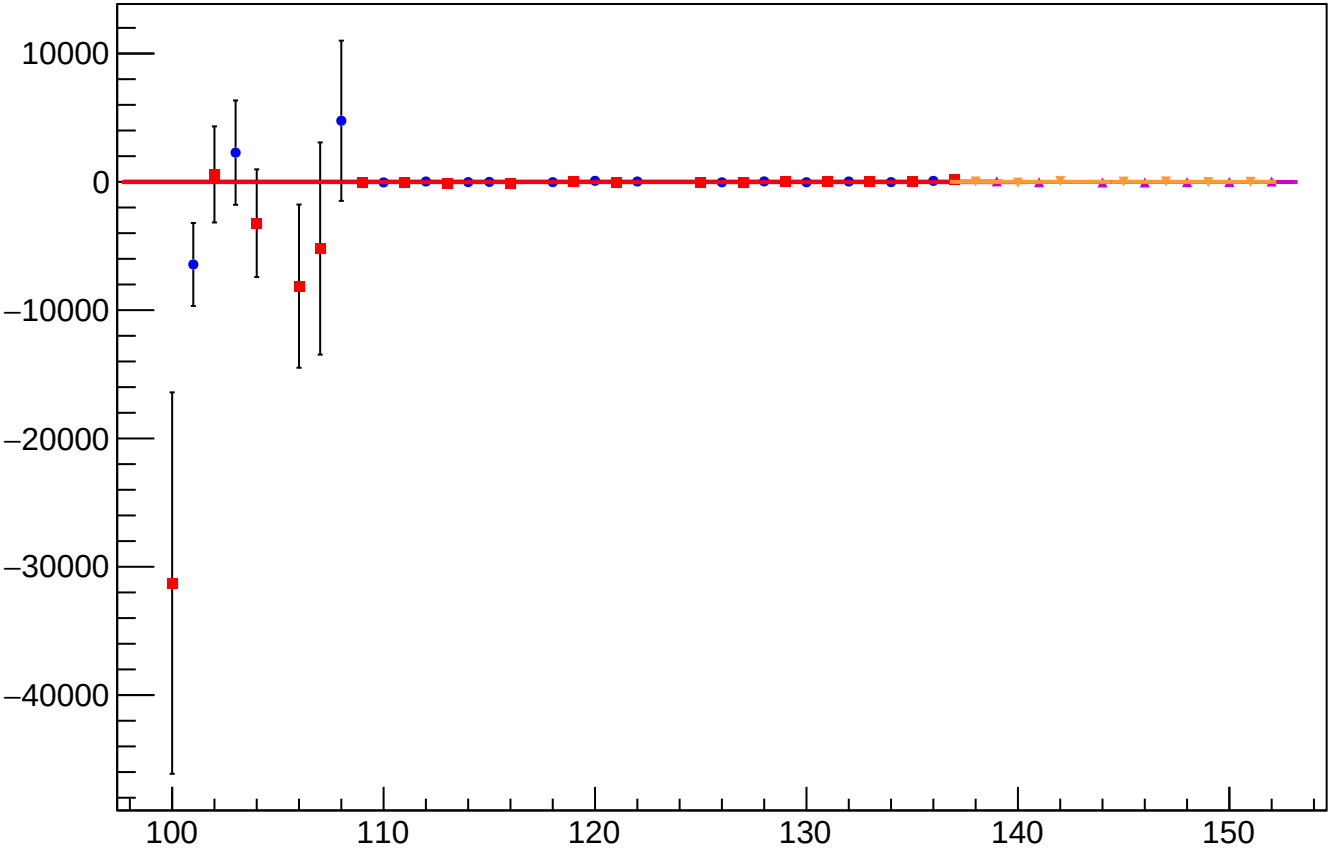
Left In: 223.313+/-0.068 χ^2/NDF:518088.5/6

+ sign 215.123+/-0.048 χ^2/NDF: 4810604.4/22

All: 202.571+/-0.032 χ^2/NDF: 10039855.5/47

- sign 192.591+/-0.043 χ^2/NDF: 5108169.4/24

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: 0.326+/-13.746 χ^2/NDF:7.3/6

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

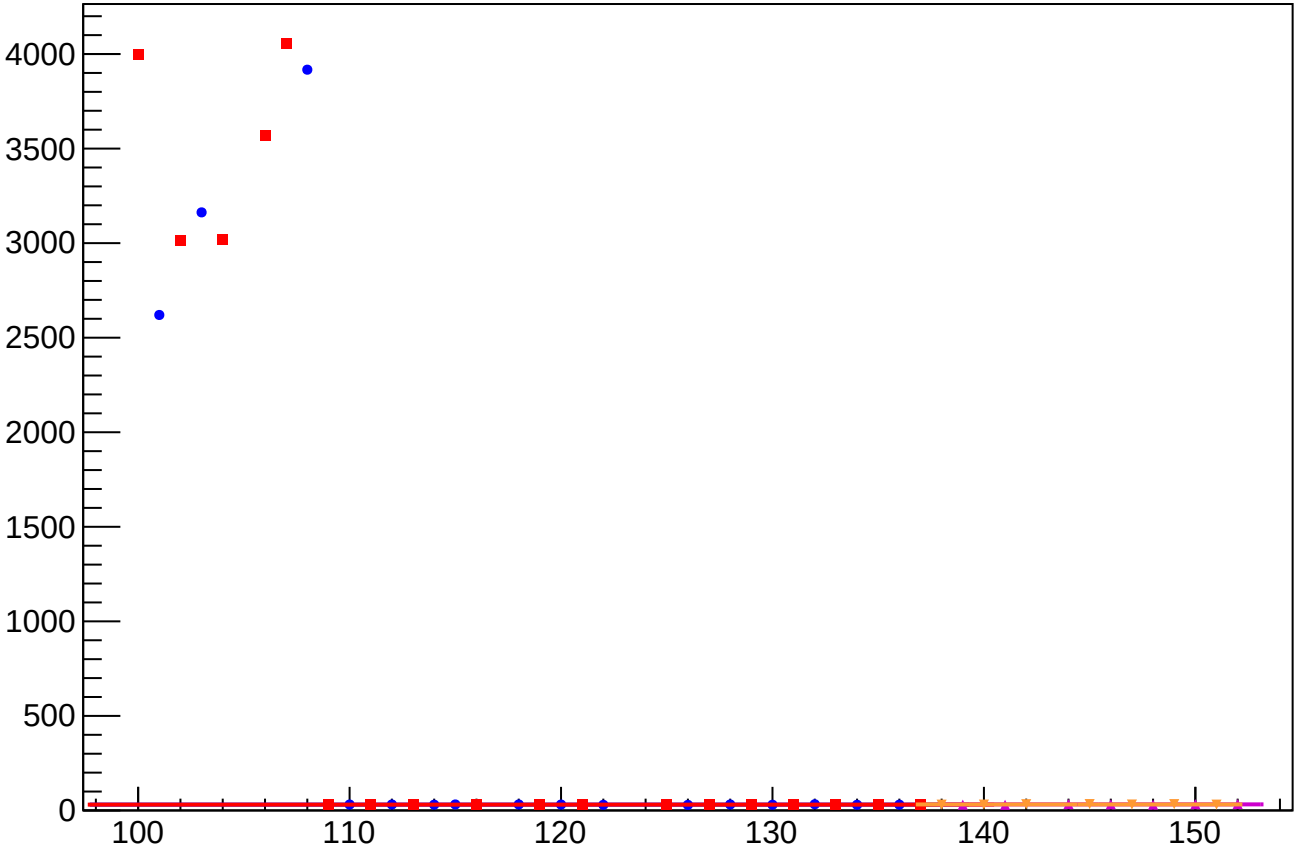
Left In: -11.151+/-13.035 χ^2/NDF:5.8/6

+ sign 7.361+/-9.469 χ^2/NDF: 23.2/22

All: -4.679+/-6.649 χ^2/NDF: 60.9/47

- sign -16.387+/-9.337 χ^2/NDF: 34.5/24

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.803+/-0.010 χ^2/NDF:15035.3/6

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

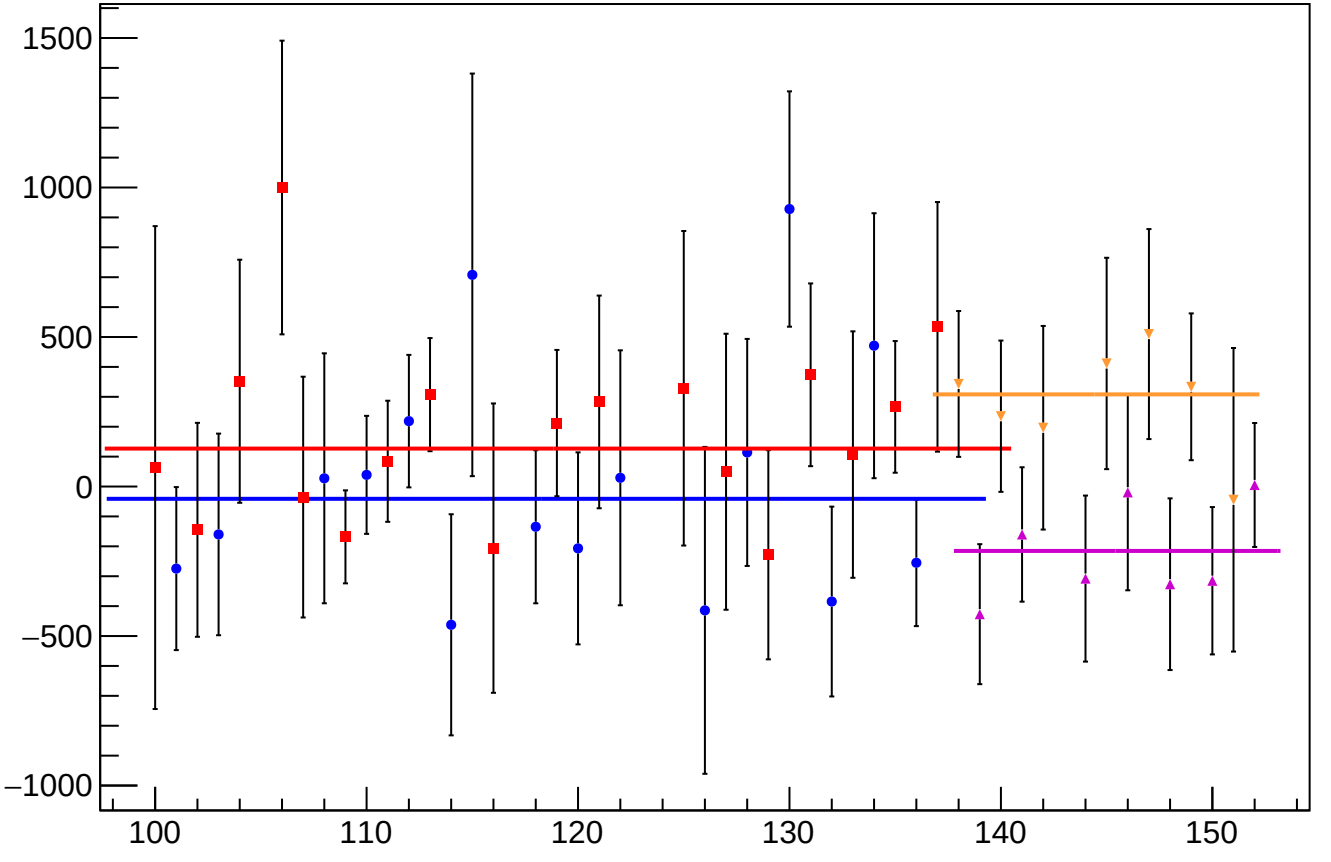
Left In: 32.158+/-0.009 χ^2/NDF:28224.9/6

+ sign 31.343+/-0.007 χ^2/NDF: 3271893.1/22

All: 31.422+/-0.005 χ^2/NDF: 6846849.4/47

- sign 31.499+/-0.007 χ^2/NDF: 3574682.9/24

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 308.158+/-113.479 χ^2/NDF:1.1/6

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

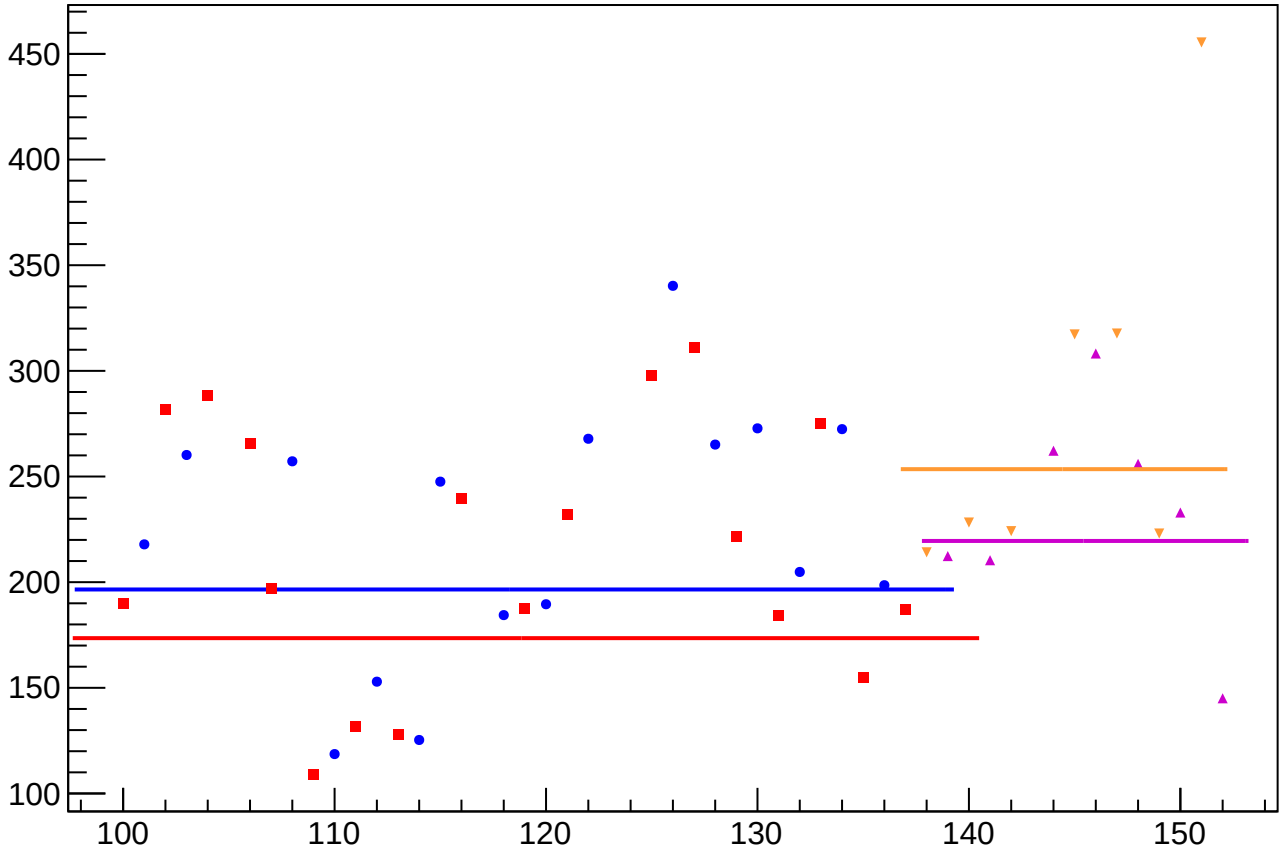
Left In: -215.395+/-94.396 χ^2/NDF:2.8/6

\+ sign 69.271+/-63.795 χ^2/NDF: 23.2/22

All: 33.957+/-42.046 χ^2/NDF: 47.9/47

\- sign 6.837+/-55.906 χ^2/NDF: 24.1/24

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 253.481+/-0.080 χ^2/NDF:566108.0/6

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

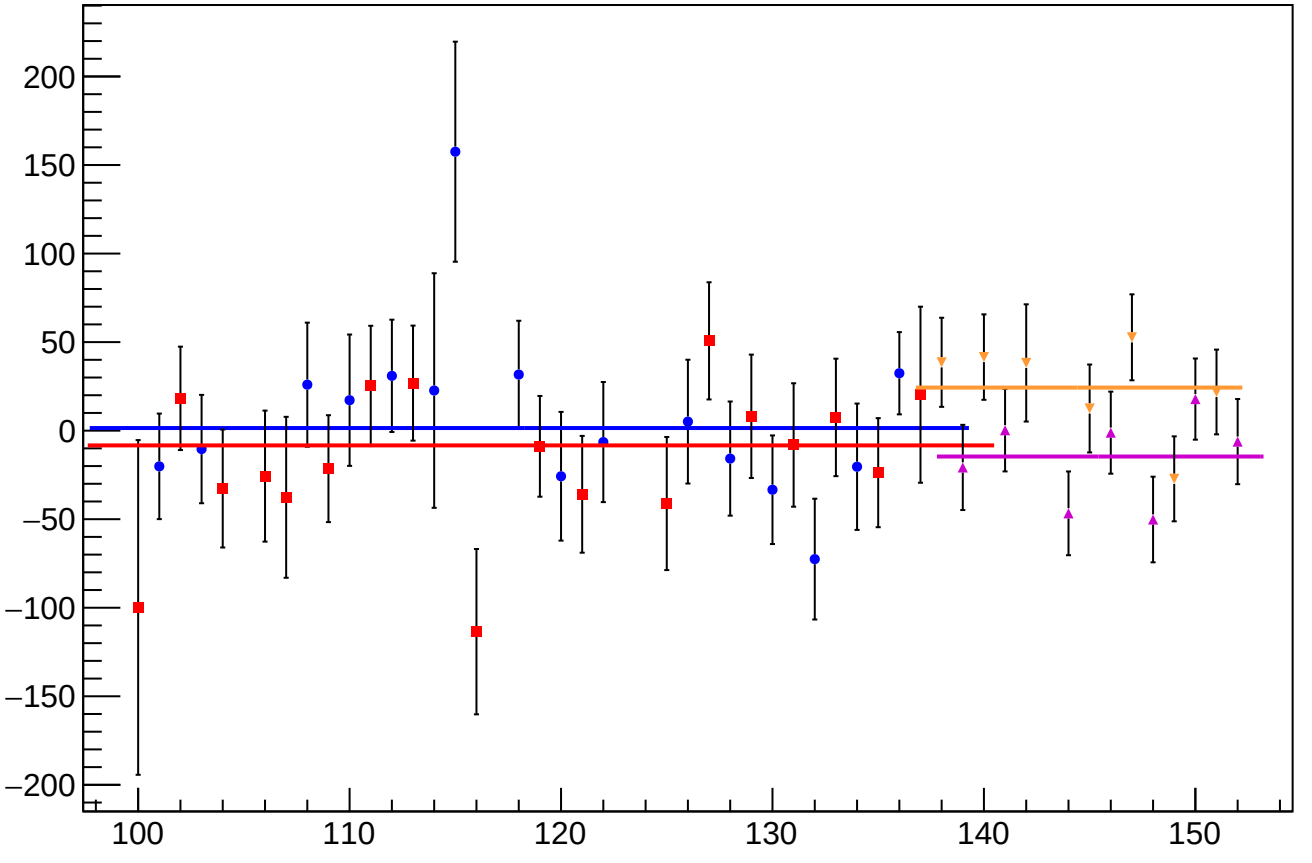
Left In: 219.507+/-0.067 χ^2/NDF:495561.7/6

+ sign 214.537+/-0.045 χ^2/NDF: 1911264.3/22

All: 200.456+/-0.030 χ^2/NDF: 4420129.0/47

- sign 189.643+/-0.040 χ^2/NDF: 2336606.4/24

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 24.324+/-9.528 χ^2/NDF:7.2/6

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

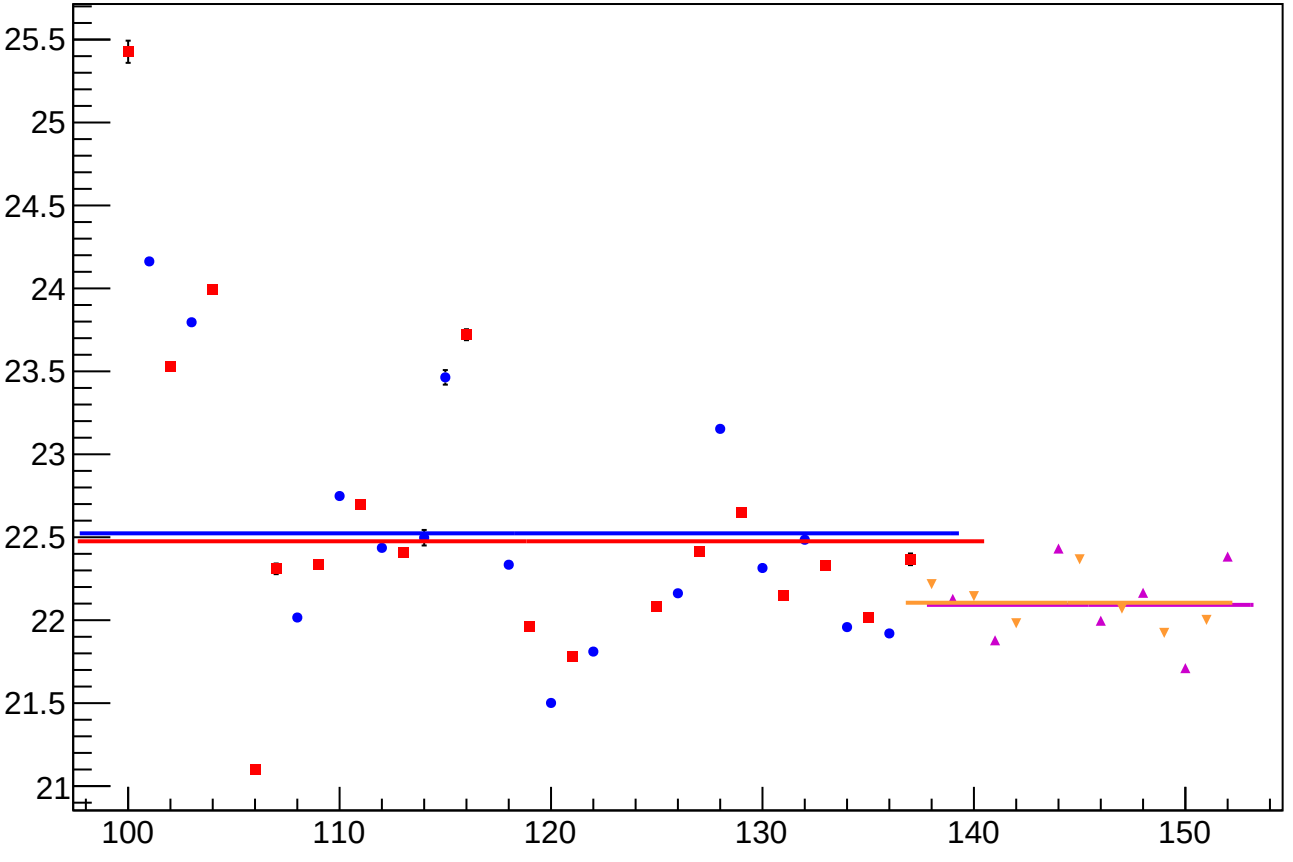
Left In: -14.607+/-8.919 χ^2/NDF:6.9/6

+ sign 11.428+/-6.288 χ^2/NDF: 29.1/22

All: -0.304+/-4.368 χ^2/NDF: 59.1/47

- sign -11.237+/-6.070 χ^2/NDF: 23.2/24

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.105+/-0.007 χ^2/NDF:452.0/6

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

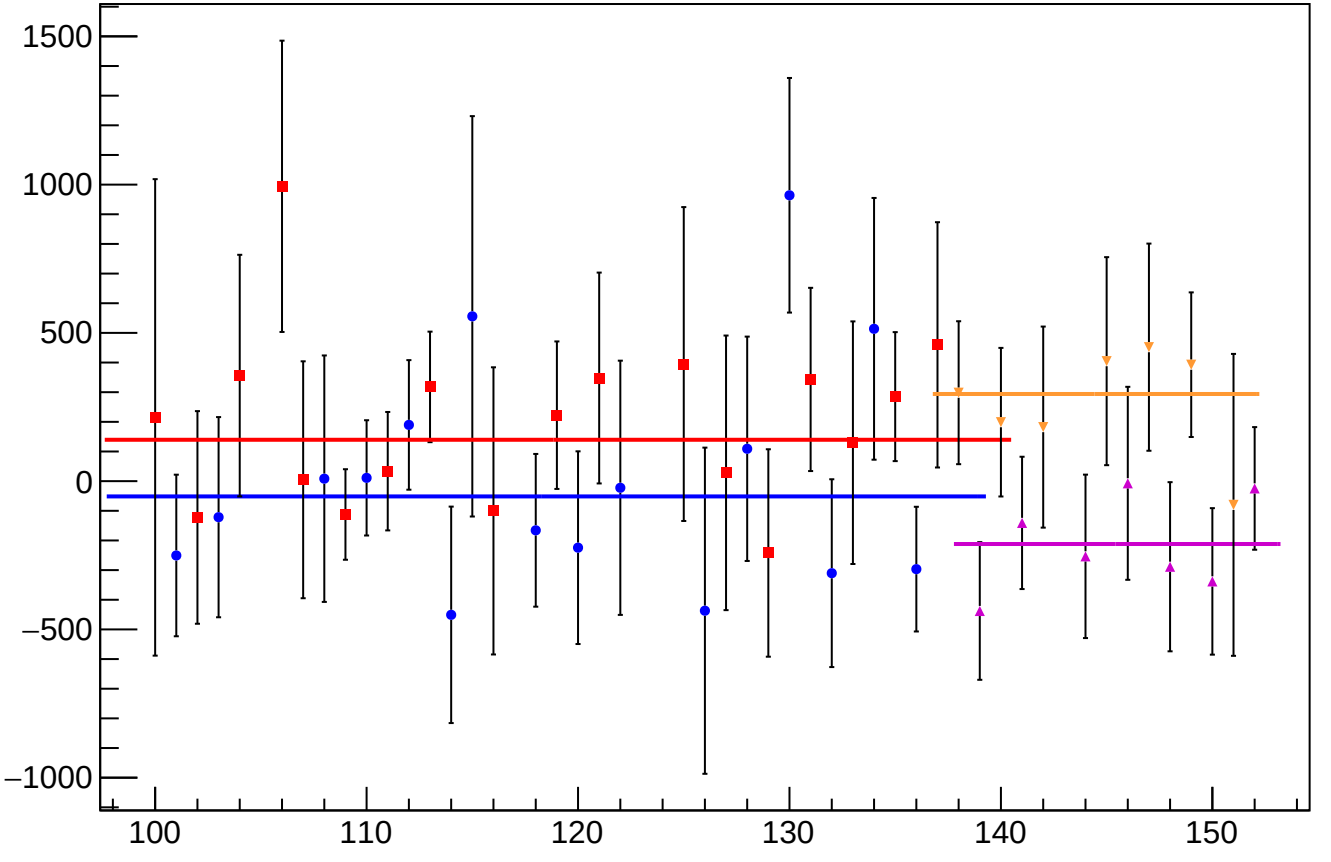
Left In: 22.092+/-0.006 χ^2/NDF:1483.9/6

\+ sign 22.341+/-0.004 χ^2/NDF: 18575.3/22

All: 22.319+/-0.003 χ^2/NDF: 37627.6/47

\- sign 22.298+/-0.004 χ^2/NDF: 19003.3/24

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 293.941+/-112.625 χ^2/NDF:1.3/6

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

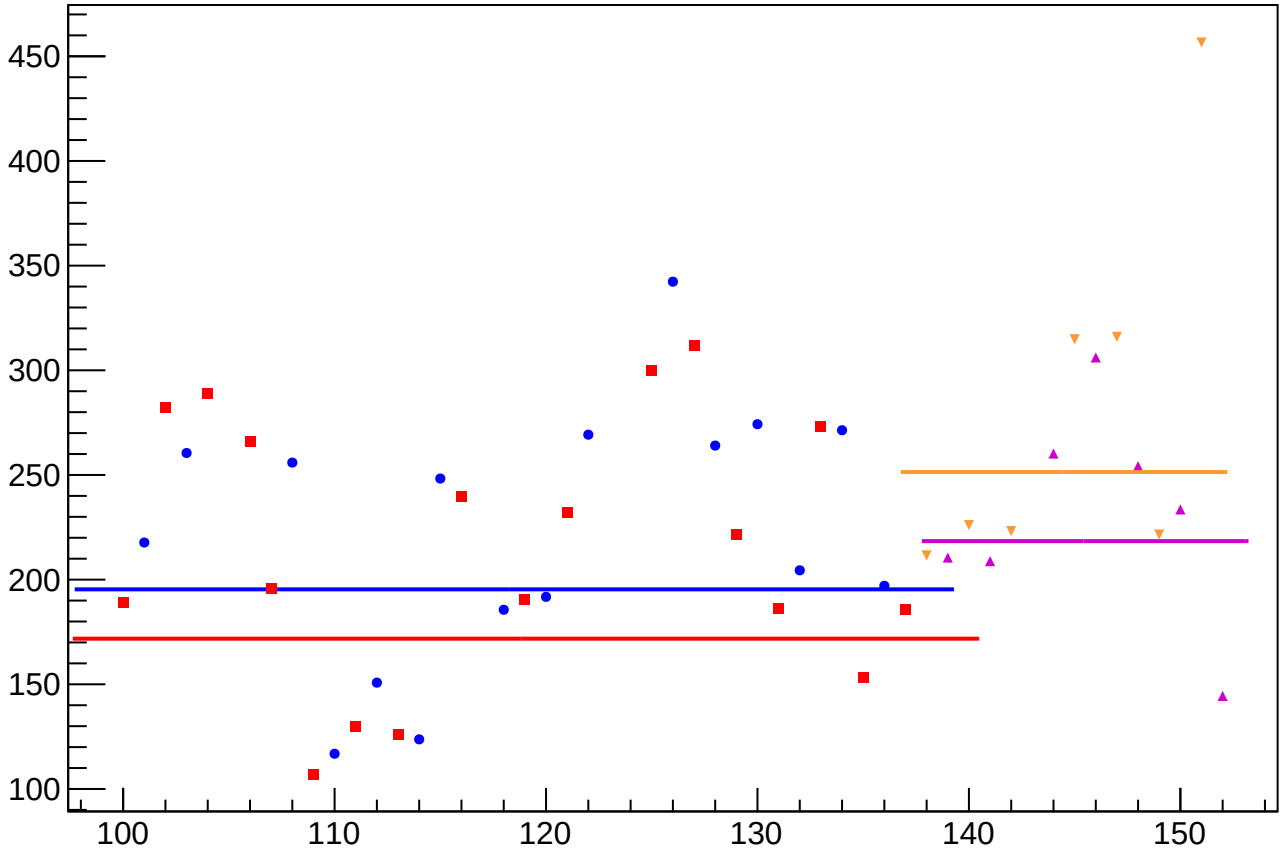
Left In: -211.977+/-93.936 χ^2/NDF:2.6/6

+ sign 58.146+/-63.450 χ^2/NDF: 23.0/22

All: 34.633+/-41.796 χ^2/NDF: 46.5/47

- sign 16.610+/-55.551 χ^2/NDF: 23.3/24

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 251.398+/-0.080 χ^2/NDF:577660.2/6

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

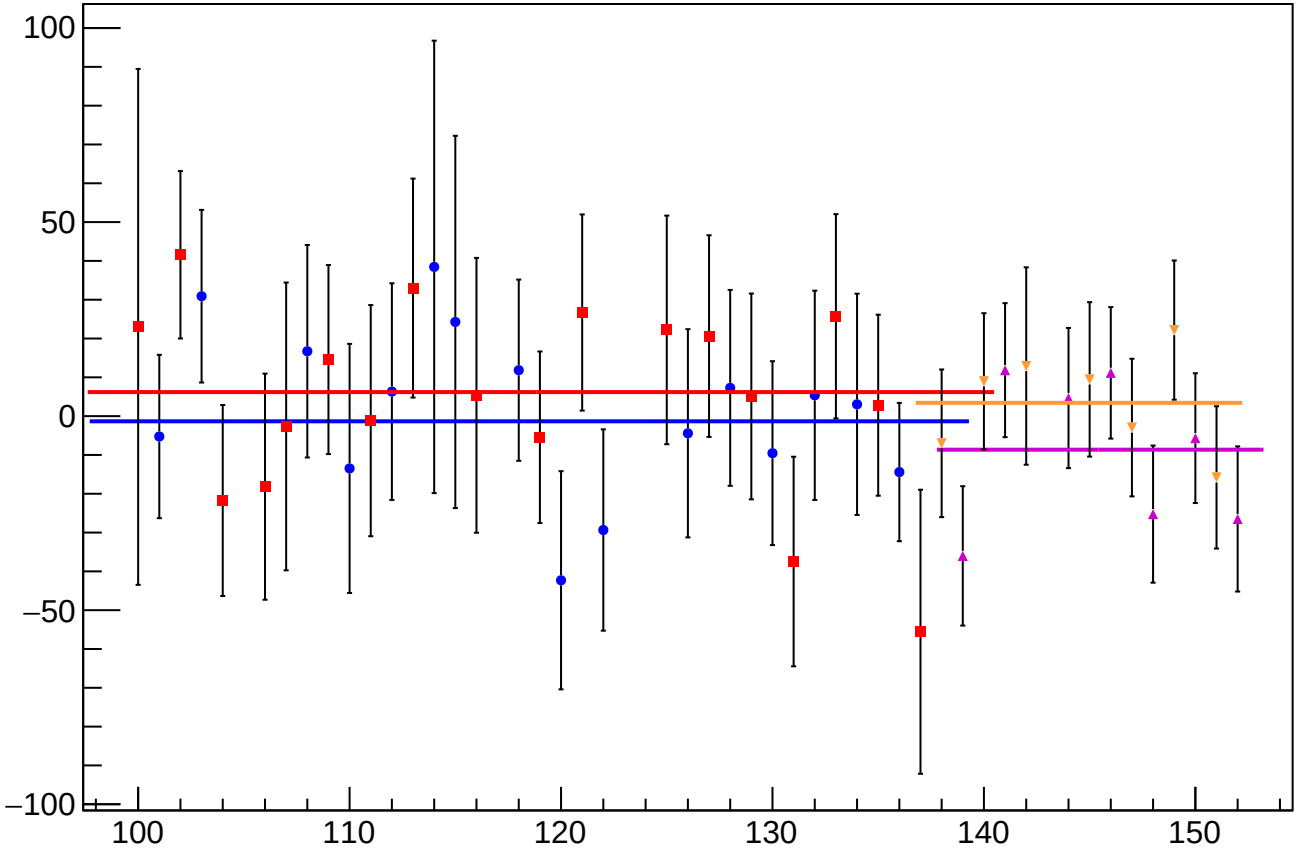
Left In: 218.402+/-0.066 χ^2/NDF:492463.7/6

+ sign 213.147+/-0.045 χ^2/NDF: 1957068.6/22

All: 198.969+/-0.030 χ^2/NDF: 4546624.7/47

- sign 188.101+/-0.039 χ^2/NDF: 2413148.4/24

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.427+/-7.189 χ^2/NDF:3.0/6

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

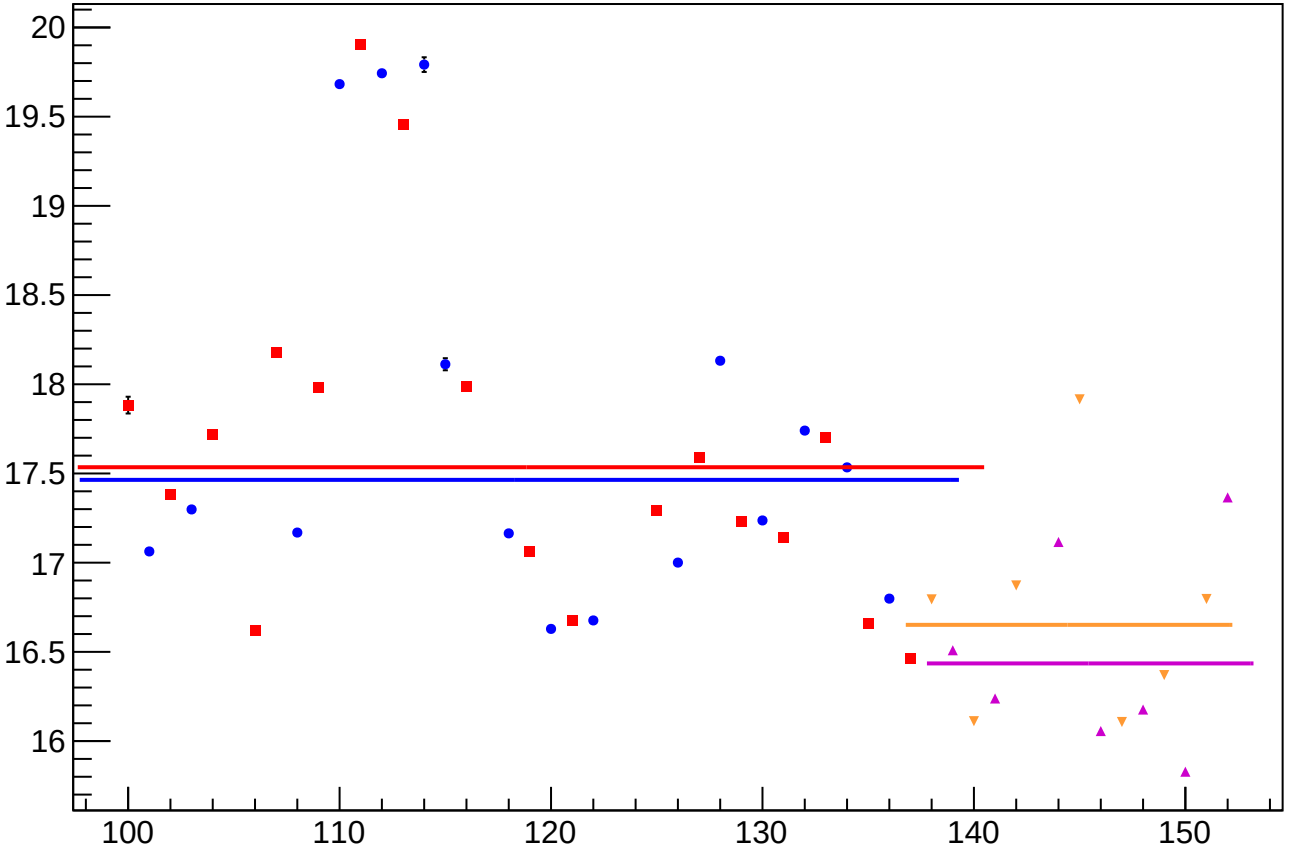
Left In: -8.643+/-6.646 χ^2/NDF:7.5/6

+ sign 0.808+/-4.821 χ^2/NDF: 11.2/22

All: -0.145+/-3.342 χ^2/NDF: 34.8/47

- sign -1.028+/-4.637 χ^2/NDF: 23.5/24

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.651+/-0.005 χ^2/NDF:12735.6/6

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

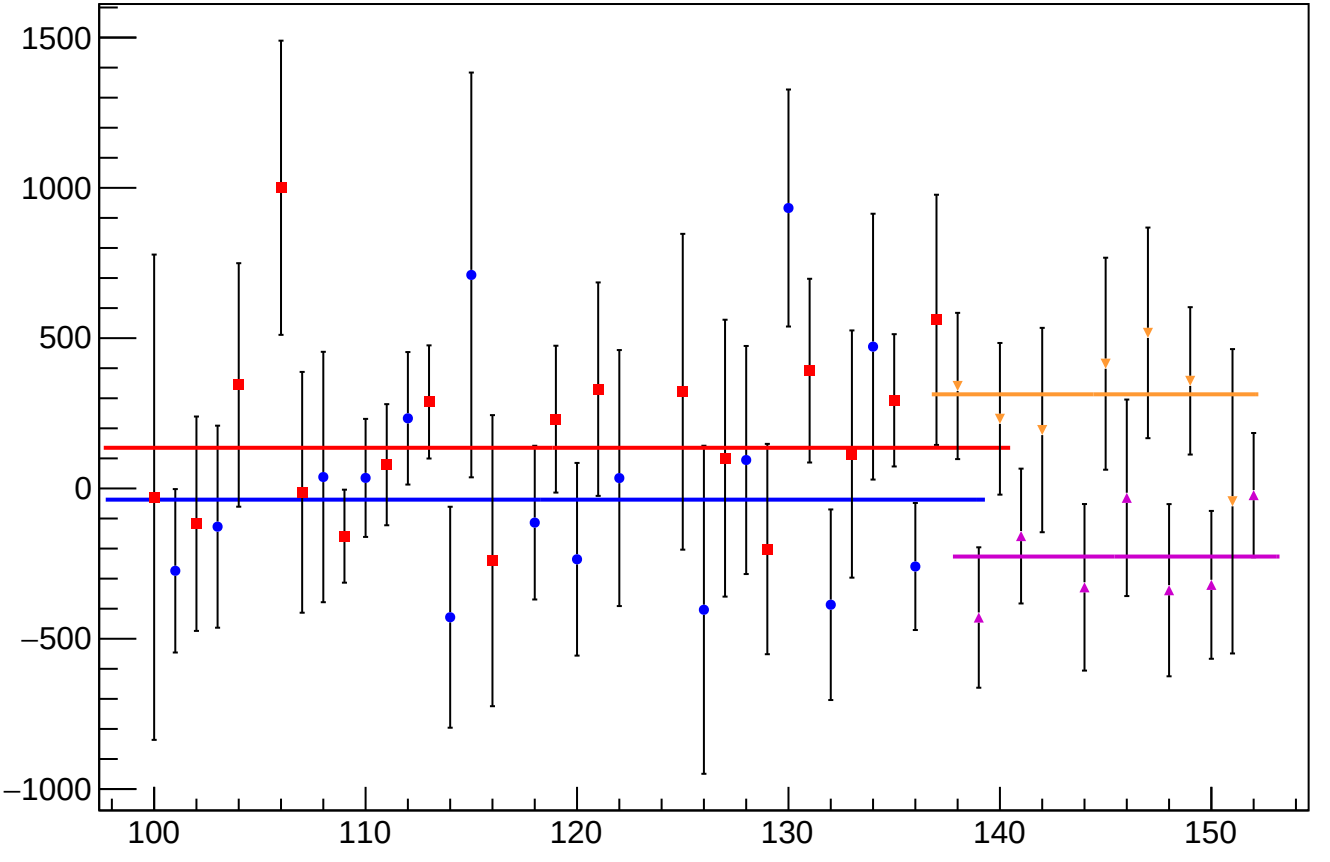
Left In: 16.435+/-0.005 χ^2/NDF:12147.0/6

\+ sign 17.099+/-0.003 χ^2/NDF: 63449.5/22

All: 17.047+/-0.002 χ^2/NDF: 138617.7/47

\- sign 17.000+/-0.003 χ^2/NDF: 74729.2/24

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 313.170+/-113.230 χ^2/NDF:1.2/6

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

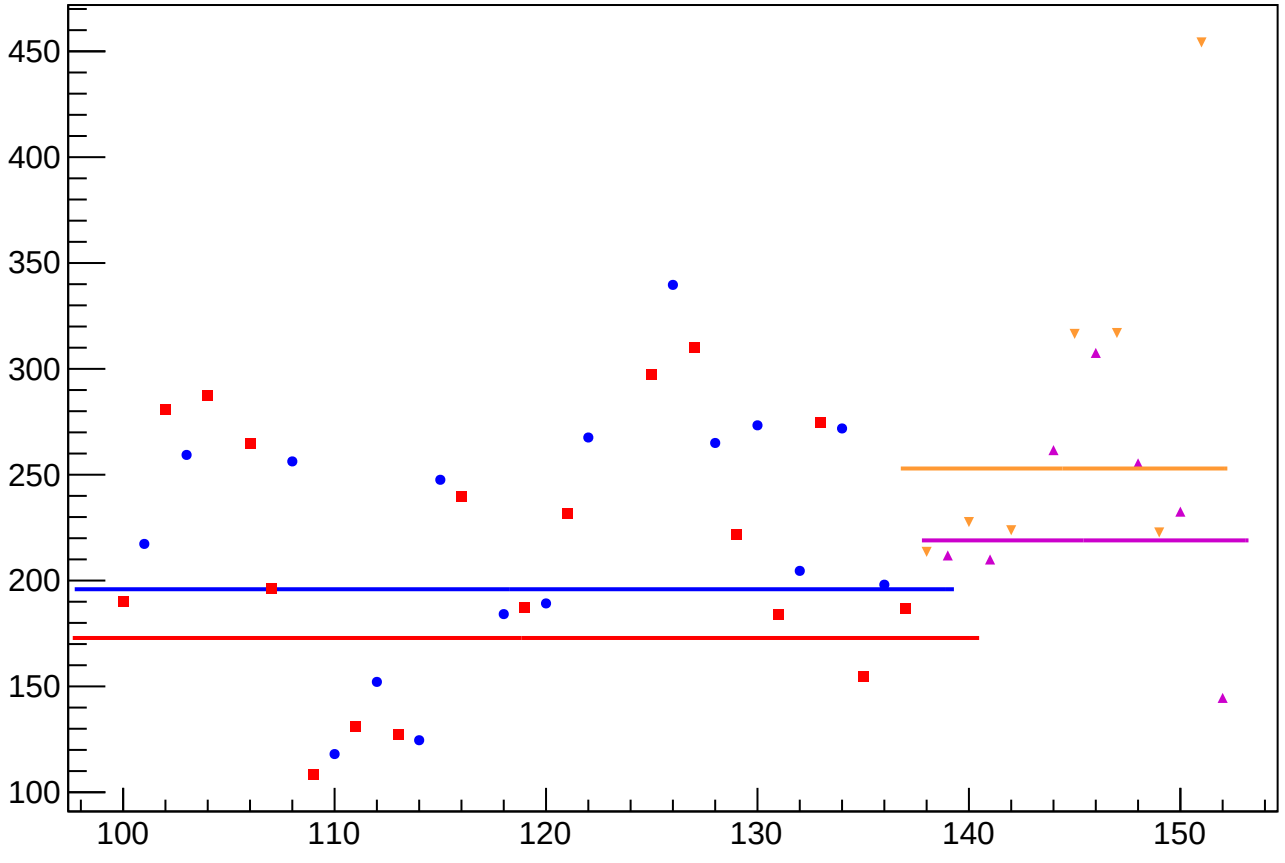
Left In: -226.522+/-94.175 χ^2/NDF:2.6/6

+ sign 73.397+/-63.624 χ^2/NDF: 23.4/22

All: 36.695+/-41.927 χ^2/NDF: 49.0/47

- sign 8.525+/-55.742 χ^2/NDF: 25.0/24

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 252.932+/-0.080 χ^2/NDF:565477.6/6

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

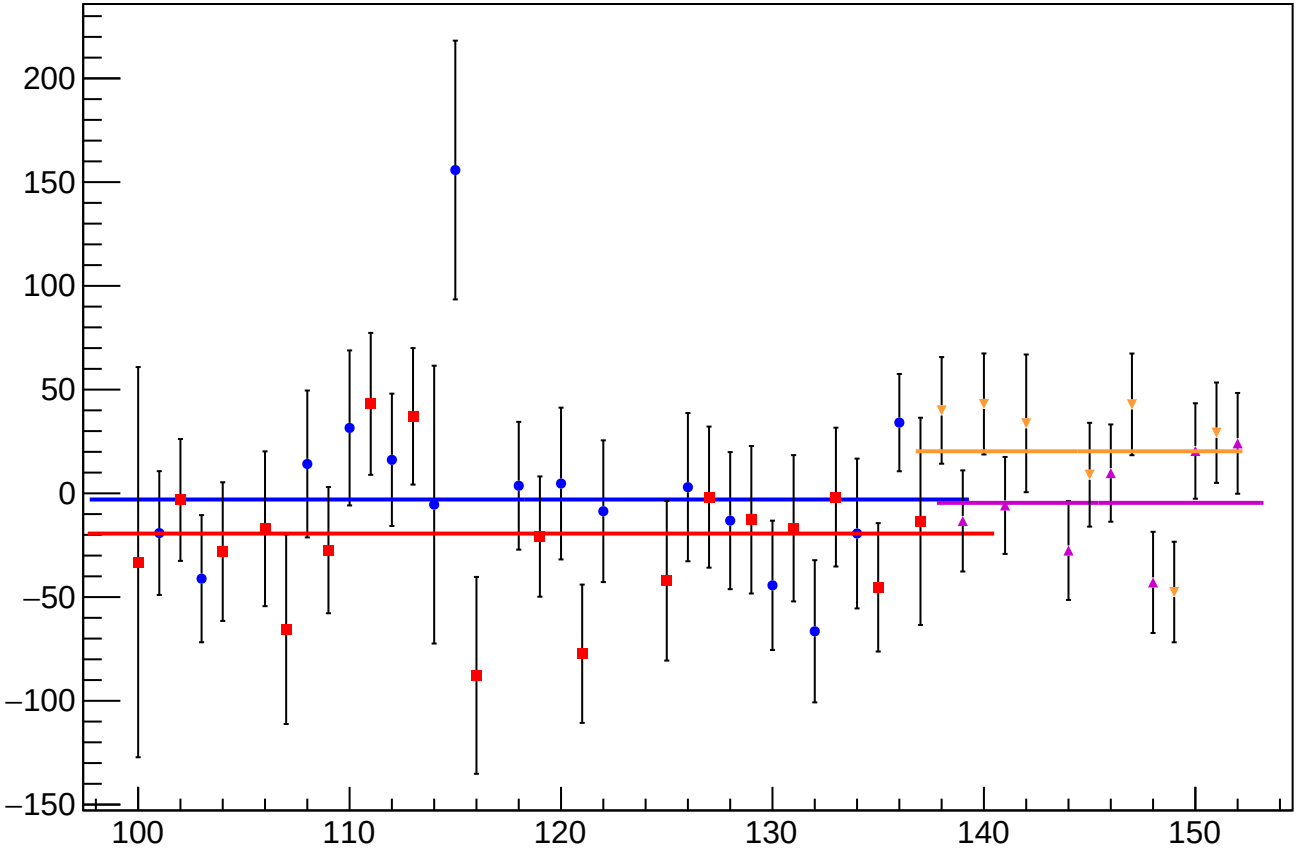
Left In: 218.974+/-0.067 χ^2/NDF:497111.3/6

+ sign 213.907+/-0.045 χ^2/NDF: 1923686.2/22

All: 199.829+/-0.030 χ^2/NDF: 4448482.9/47

- sign 189.024+/-0.039 χ^2/NDF: 2351732.2/24

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 20.273+/-9.629 χ^2/NDF:10.7/6

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

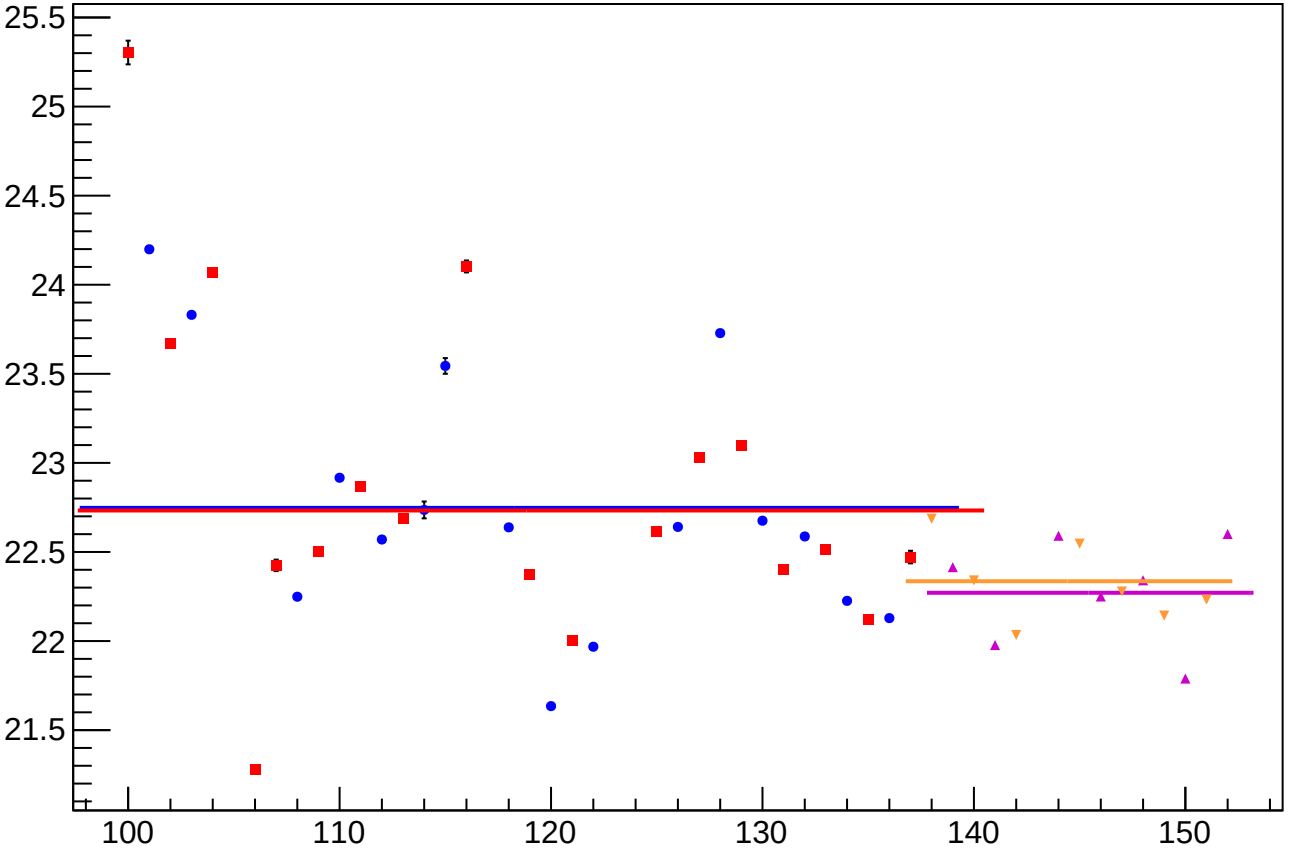
Left In: -4.582+/-8.992 χ^2/NDF:6.5/6

\+ sign 7.149+/-6.353 χ^2/NDF: 31.9/22

All: -3.027+/-4.412 χ^2/NDF: 59.3/47

\- sign -12.504+/-6.131 χ^2/NDF: 22.5/24

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.336+/-0.007 χ^2/NDF:854.3/6

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

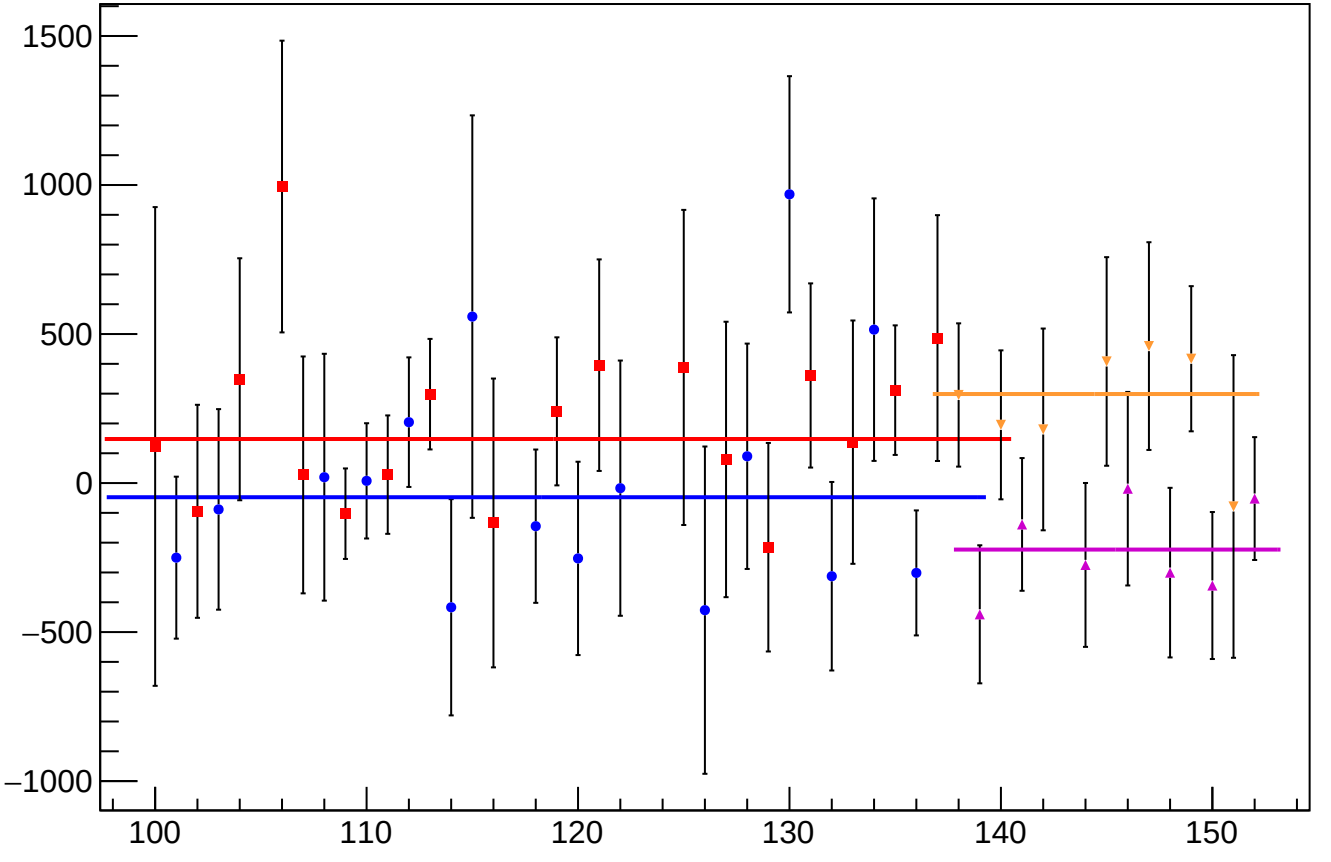
Left In: 22.271+/-0.006 χ^2/NDF:2009.6/6

+ sign 22.568+/-0.004 χ^2/NDF: 17540.9/22

All: 22.542+/-0.003 χ^2/NDF: 36829.3/47

- sign 22.518+/-0.004 χ^2/NDF: 19223.9/24

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 298.743+/-112.376 χ^2/NDF:1.4/6

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

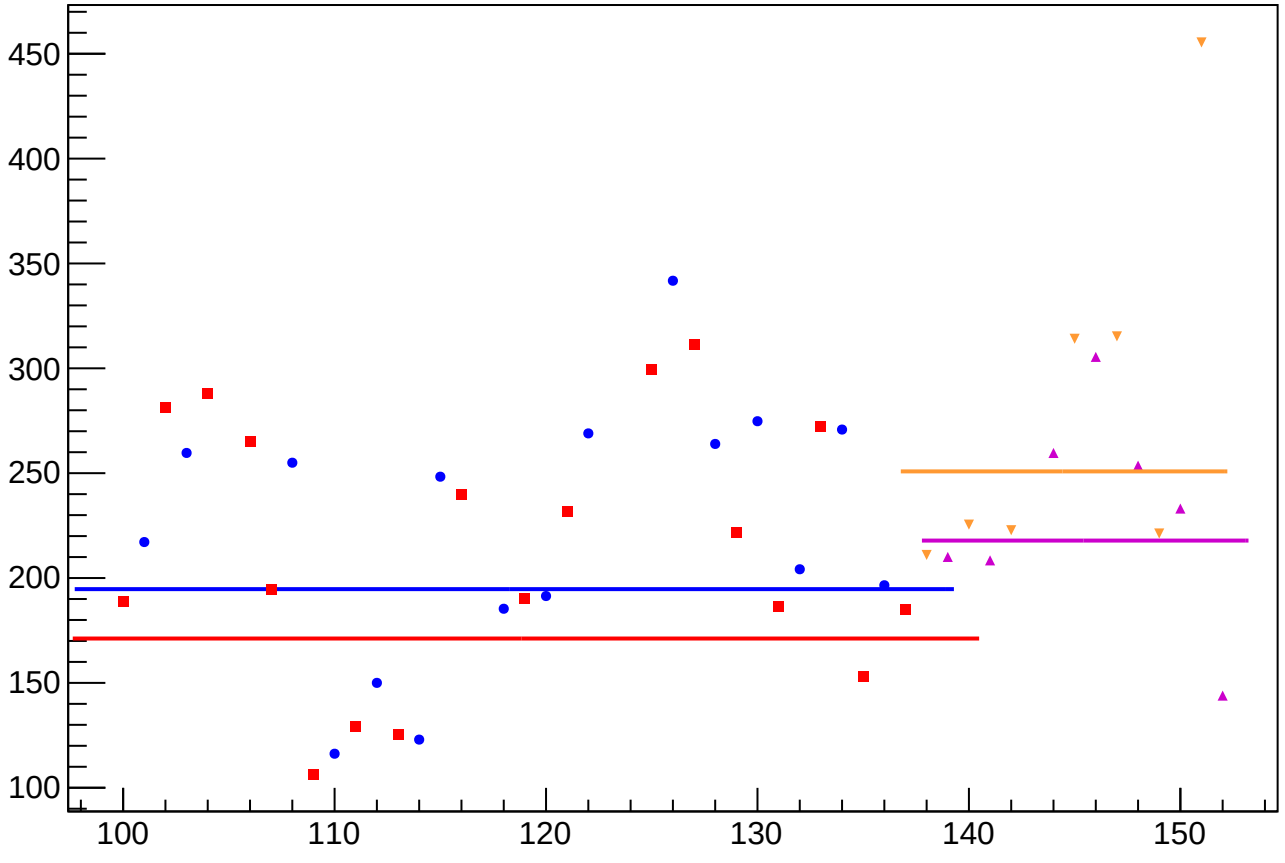
Left In: -223.164+/-93.713 χ^2/NDF:2.5/6

\+ sign 62.269+/-63.278 χ^2/NDF: 23.3/22

All: 37.334+/-41.676 χ^2/NDF: 47.7/47

\- sign 18.232+/-55.385 χ^2/NDF: 24.2/24

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 250.848+/-0.079 χ^2/NDF:577082.4/6

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

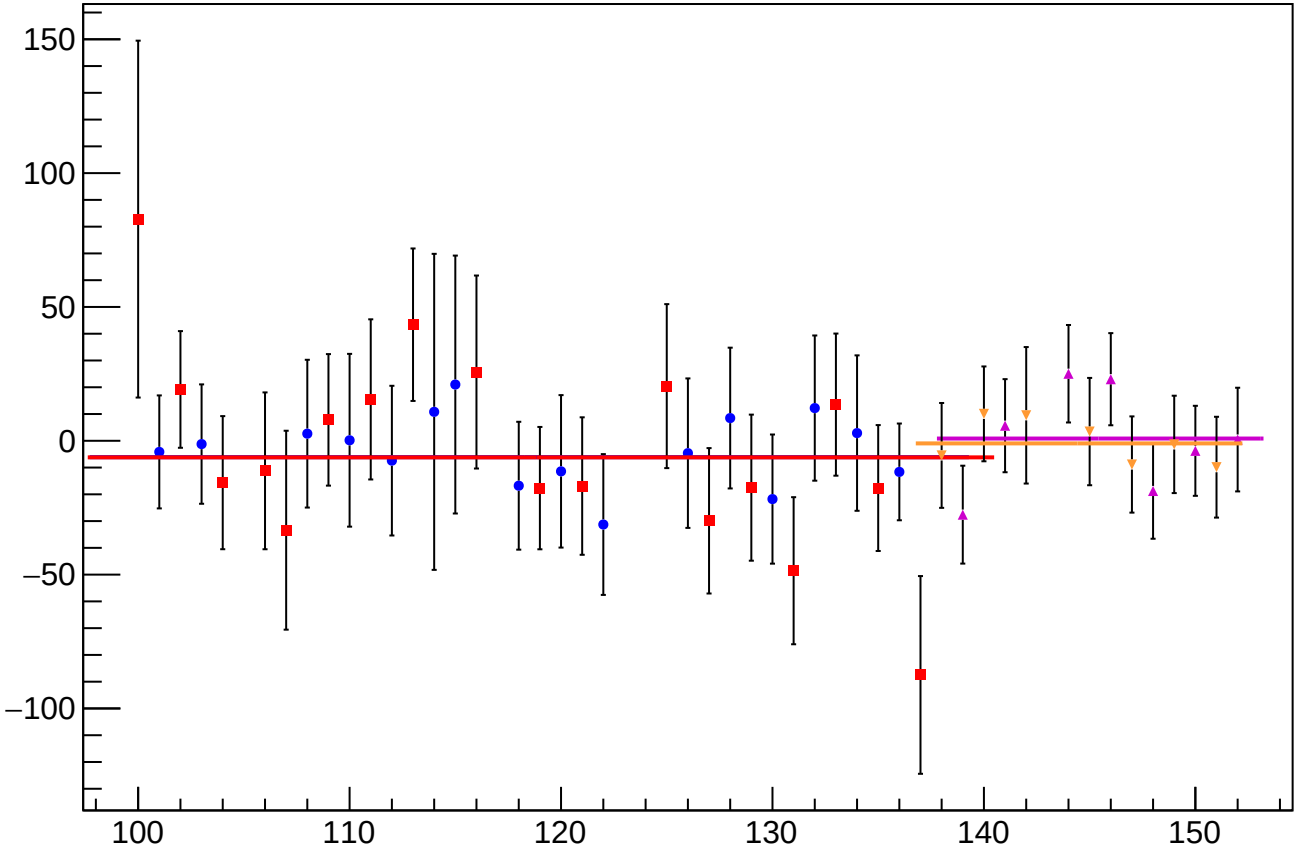
Left In: 217.863+/-0.066 χ^2/NDF:494113.5/6

+ sign 212.509+/-0.045 χ^2/NDF: 1970258.5/22

All: 198.332+/-0.029 χ^2/NDF: 4576883.2/47

- sign 187.471+/-0.039 χ^2/NDF: 2429324.3/24

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: -0.976+/-7.302 χ^2/NDF:1.1/6

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

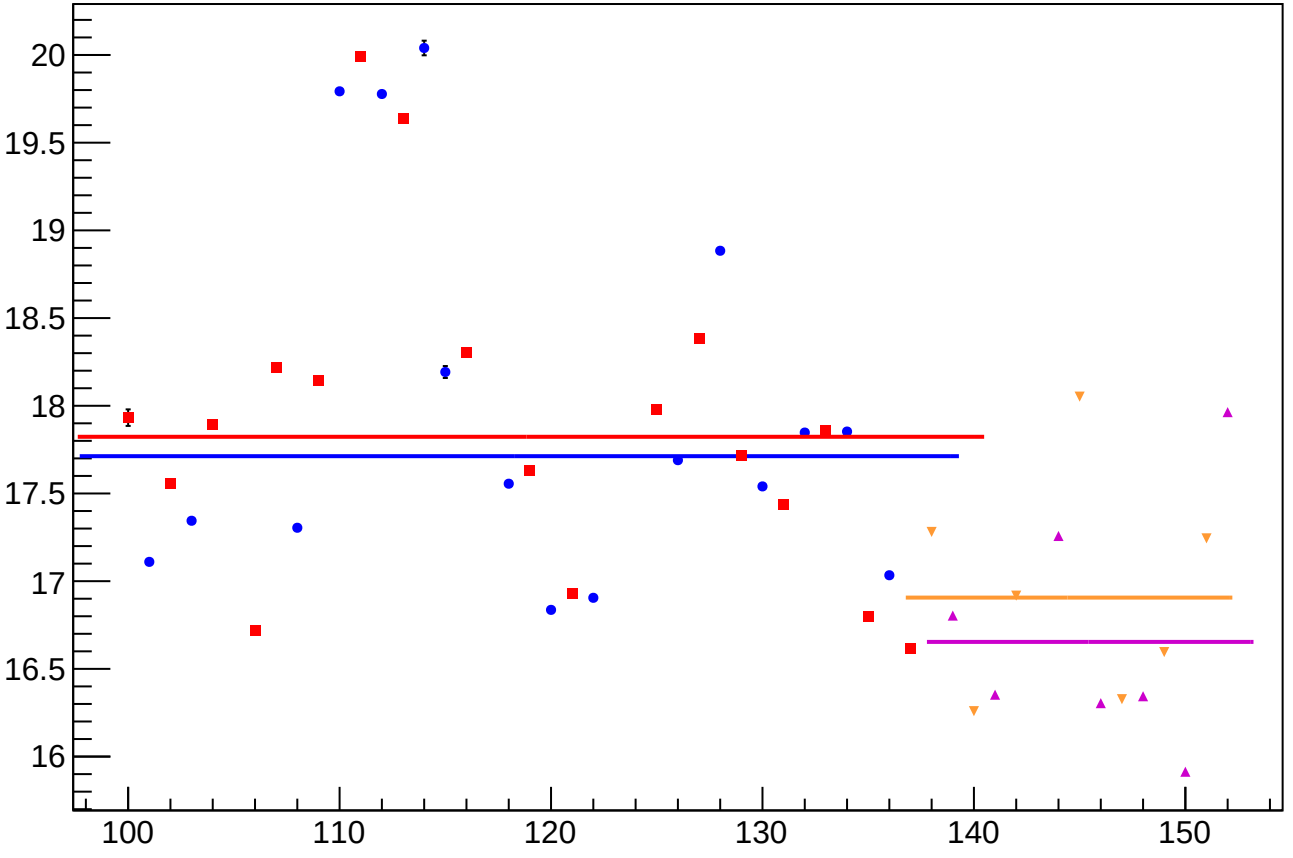
Left In: 0.839+/-6.738 χ^2/NDF:7.2/6

+ sign -3.810+/-4.893 χ^2/NDF: 4.5/22

All: -3.265+/-3.393 χ^2/NDF: 30.9/47

- sign -2.761+/-4.708 χ^2/NDF: 26.4/24

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.906+/-0.005 χ^2/NDF:13238.3/6

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

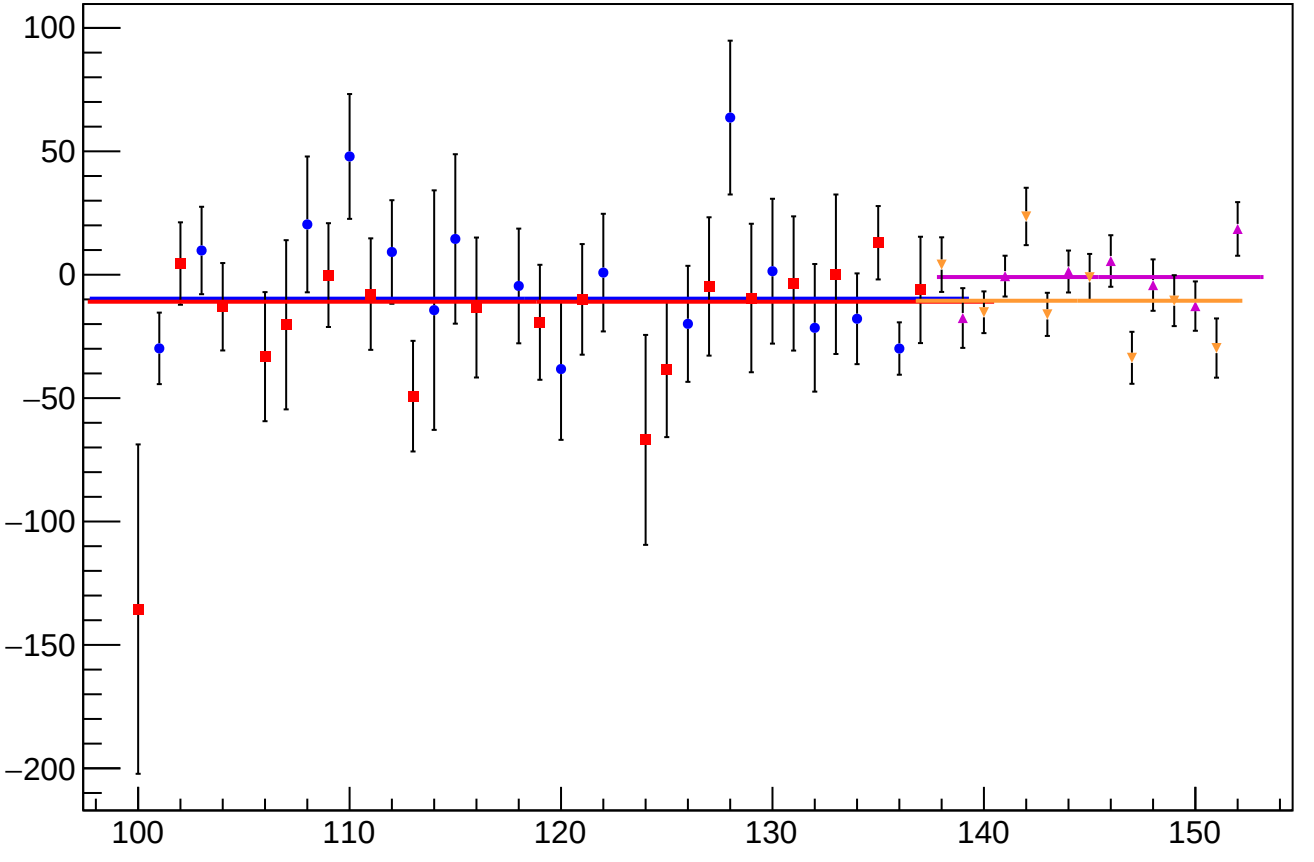
Left In: 16.654+/-0.005 χ^2/NDF:17382.0/6

+ sign 17.351+/-0.003 χ^2/NDF: 62655.5/22

All: 17.300+/-0.002 χ^2/NDF: 143794.9/47

- sign 17.252+/-0.003 χ^2/NDF: 80720.4/24

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -10.543+/-3.554 χ^2/NDF:19.5/7

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

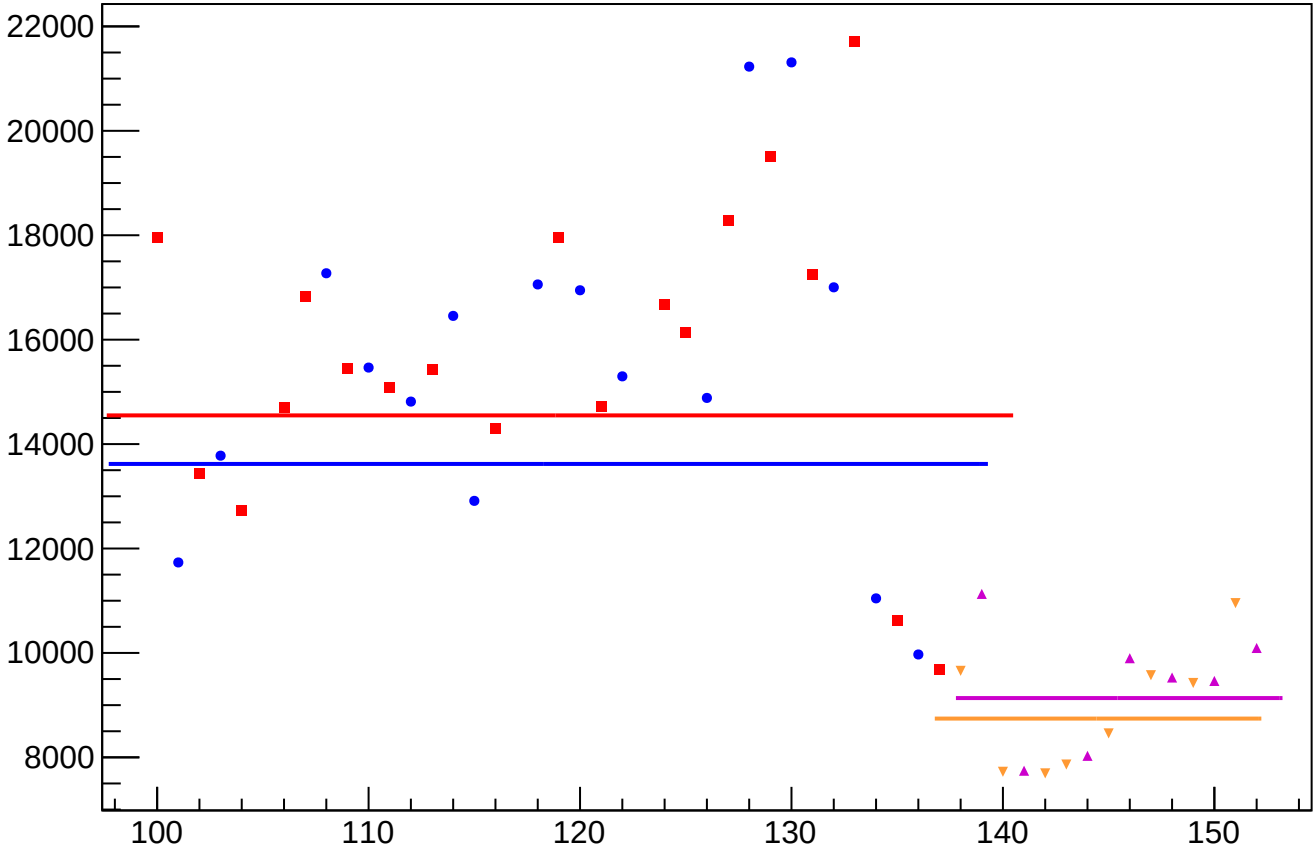
Left In: -0.940+/-3.723 χ^2/NDF:7.0/6

+ sign -10.277+/-2.940 χ^2/NDF: 41.5/23

All: -7.340+/-2.124 χ^2/NDF: 67.0/49

- sign -4.132+/-3.072 χ^2/NDF: 23.4/25

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8742.673+/-2.513 χ^2/NDF:170136.8/7

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

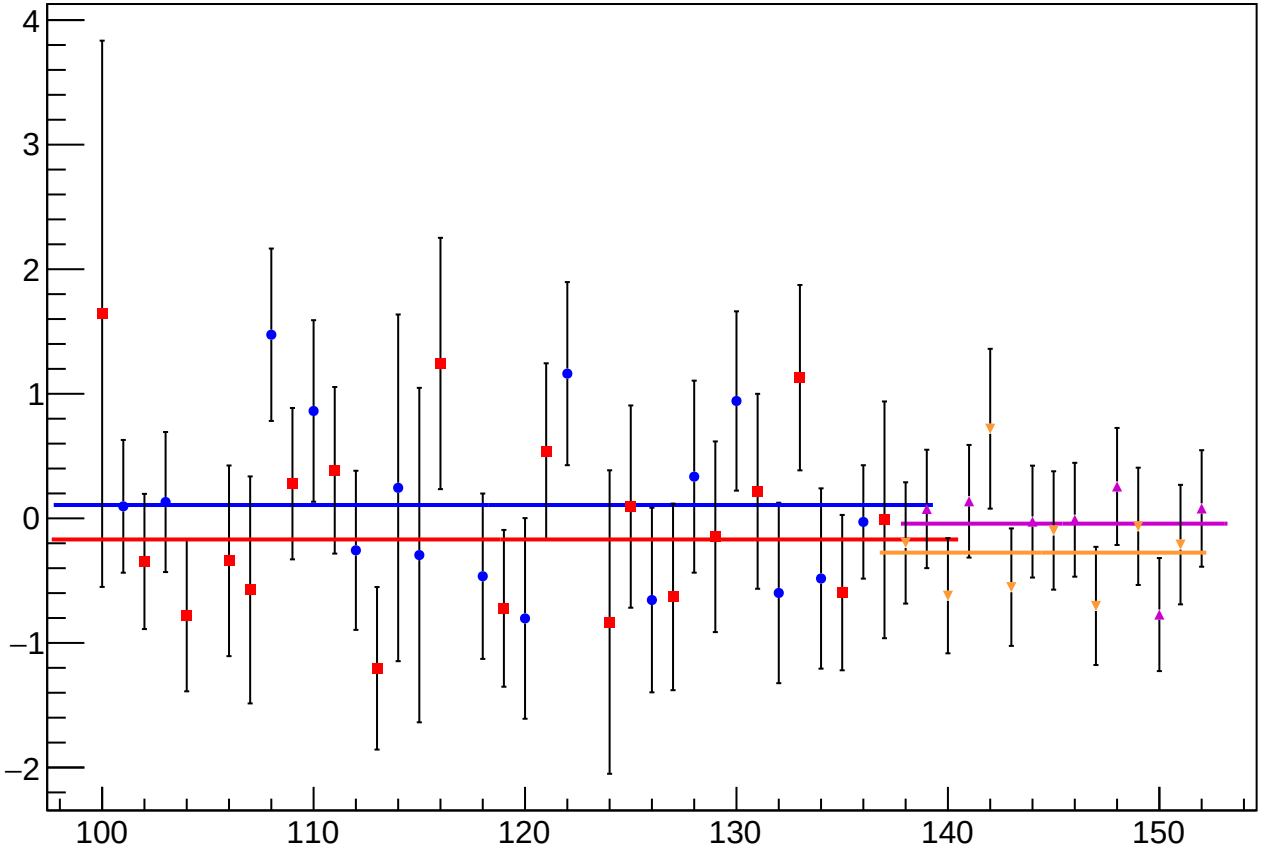
Left In: 9135.581+/-2.633 χ^2/NDF:176151.5/6

\+ sign 10282.733+/-2.079 χ^2/NDF: 2106538.2/23

All: 10560.671+/-1.502 χ^2/NDF: 4226396.4/4

\- sign 10864.123+/-2.172 χ^2/NDF: 2082460.8/25

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.275+/-0.173 χ^2/NDF:4.5/7

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

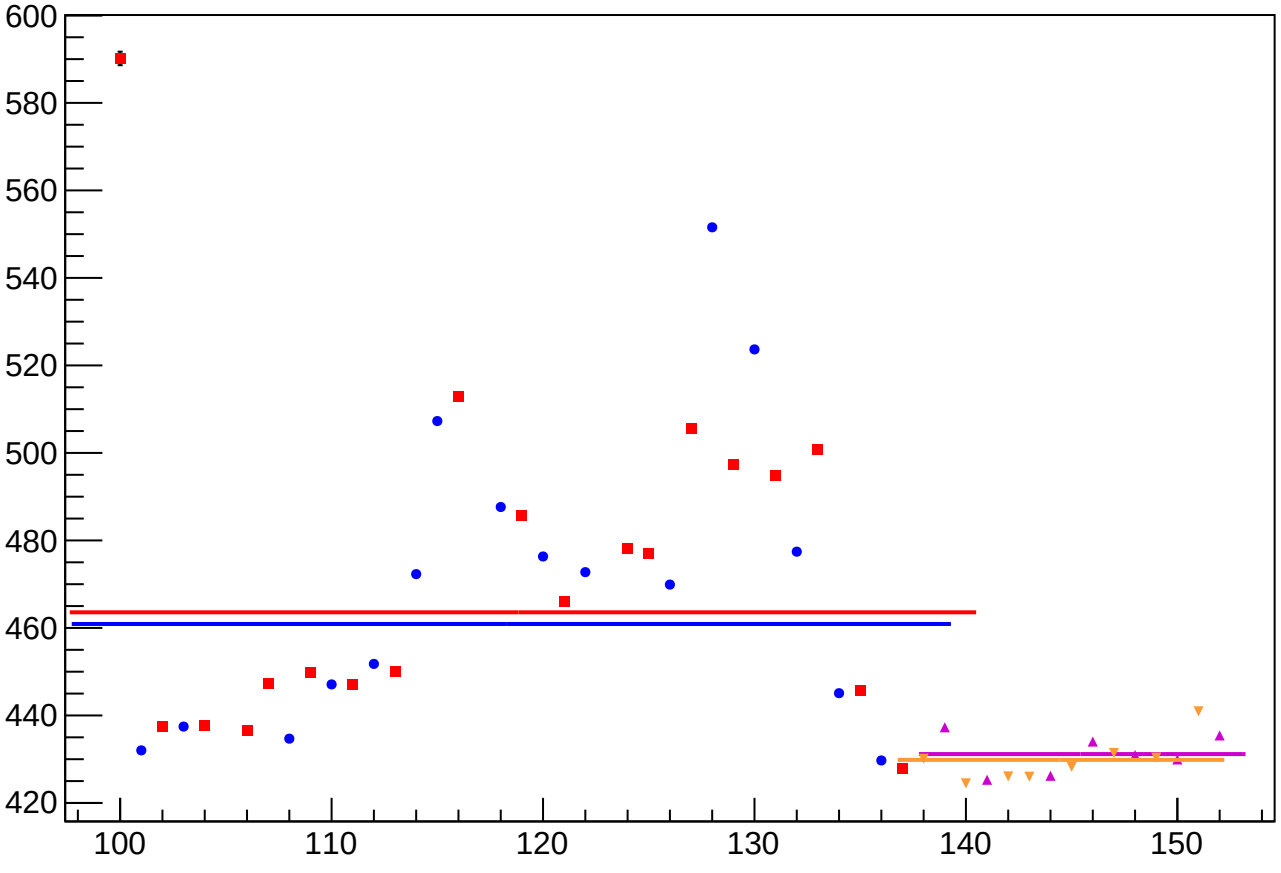
Left In: -0.042+/-0.174 χ^2/NDF:3.3/6

+ sign -0.083+/-0.122 χ^2/NDF: 20.7/23

All: -0.095+/-0.086 χ^2/NDF: 38.3/49

- sign -0.108+/-0.121 χ^2/NDF: 17.7/25

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.845+/-0.122 χ^2/NDF:1589.2/7

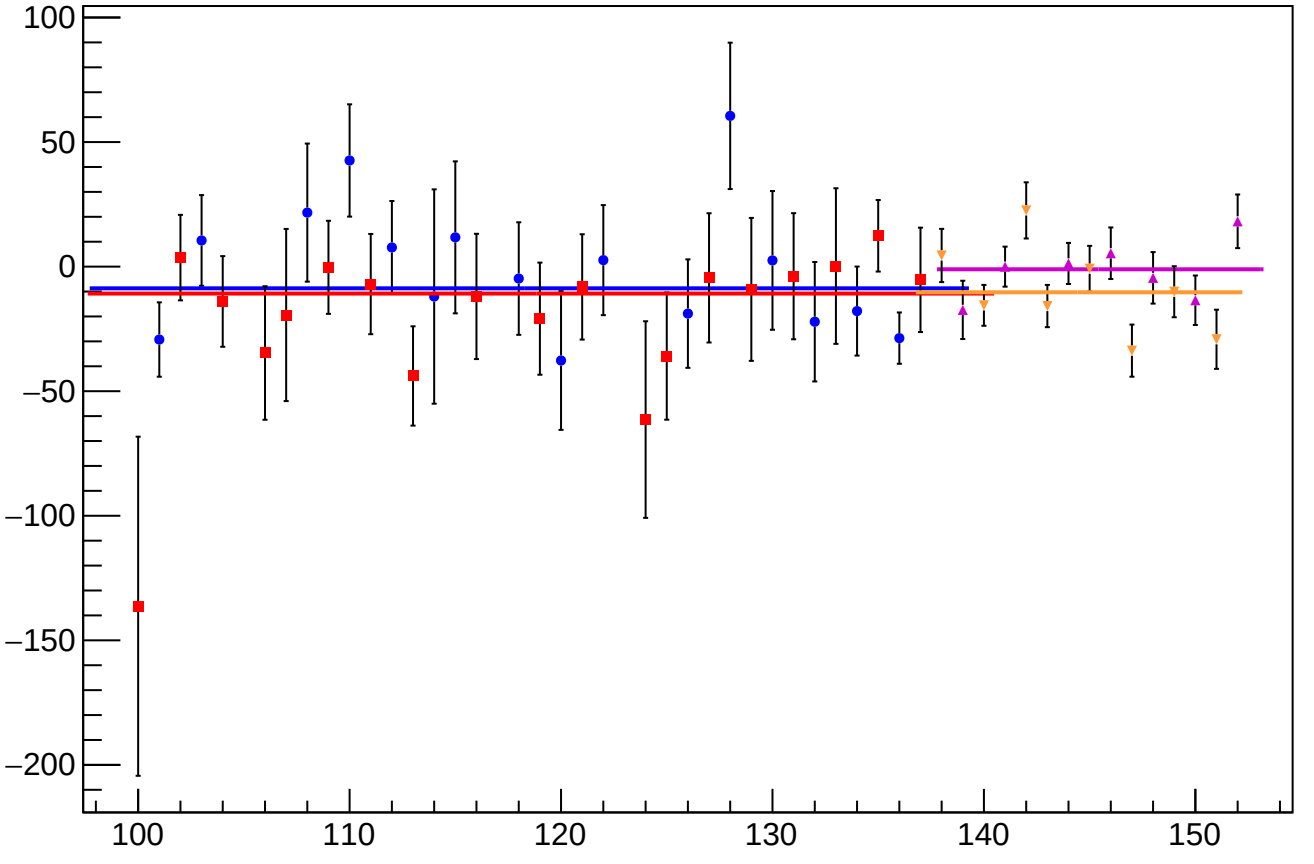
Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 431.175+/-0.123 χ^2/NDF:1172.0/6

+ sign 445.458+/-0.086 χ^2/NDF: 109068.7/23

All: 446.636+/-0.061 χ^2/NDF: 198375.3/49

- sign 447.807+/-0.086 χ^2/NDF: 88933.3/25



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.294+/-3.470 χ^2/NDF:19.8/7

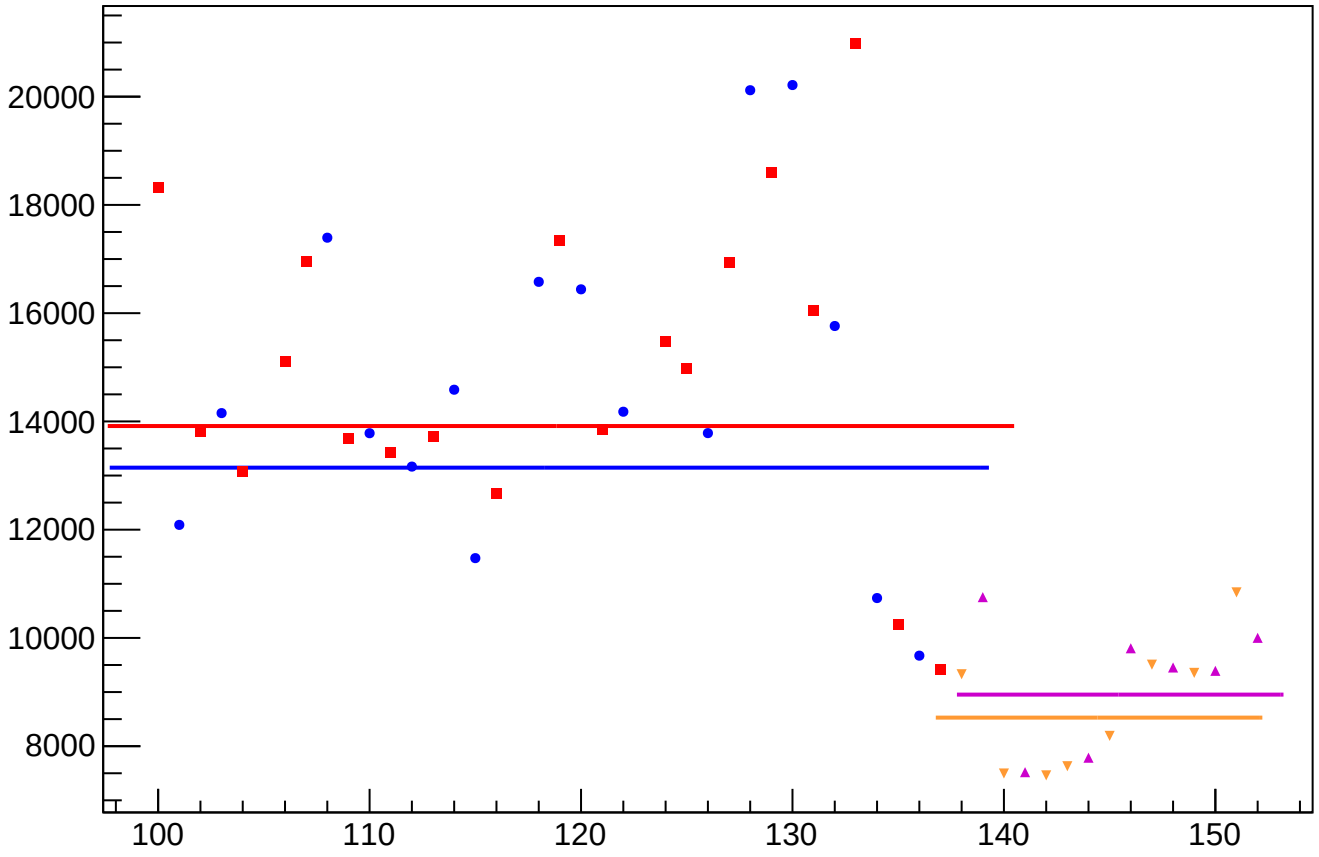
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -1.070+/-3.651 χ^2/NDF:7.3/6

+ sign -9.784+/-2.857 χ^2/NDF: 42.2/23

All: -7.159+/-2.065 χ^2/NDF: 67.5/49

- sign -4.292+/-2.986 χ^2/NDF: 23.5/25



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8527.877+/-2.454 χ^2/NDF:192360.3/7

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

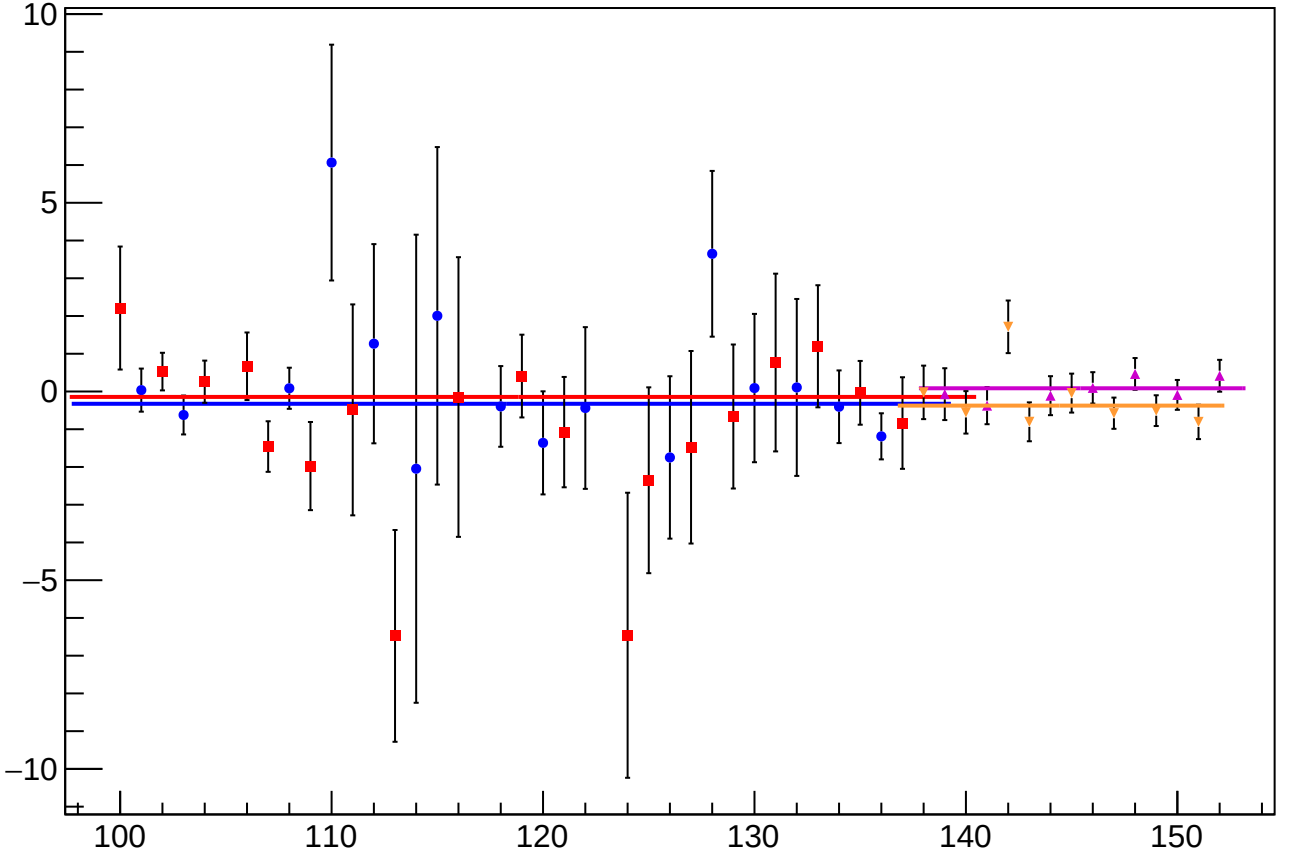
Left In: 8952.968+/-2.582 χ^2/NDF:192419.8/6

+ sign 10014.769+/-2.021 χ^2/NDF: 2015357.9/23

All: 10292.002+/-1.460 χ^2/NDF: 3980549.4/4

- sign 10594.818+/-2.112 χ^2/NDF: 1925801.7/25

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.374+/-0.178 χ^2/NDF:11.7/7

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

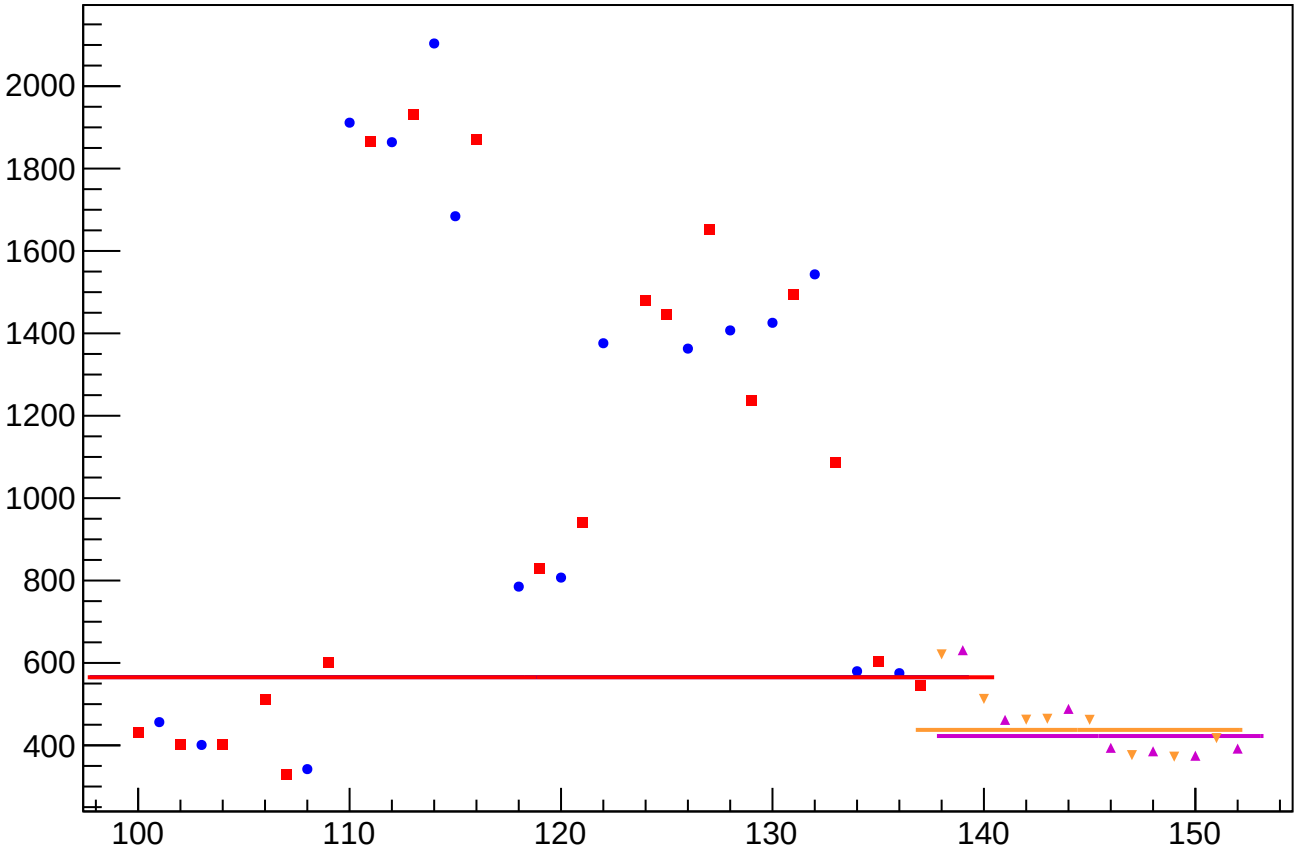
Left In: 0.085+/-0.173 χ^2/NDF:2.7/6

+ sign -0.357+/-0.144 χ^2/NDF: 24.3/23

All: -0.171+/-0.101 χ^2/NDF: 53.3/49

- sign 0.009+/-0.141 χ^2/NDF: 25.7/25

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 437.502+/-0.126 χ^2/NDF:280550.8/7

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

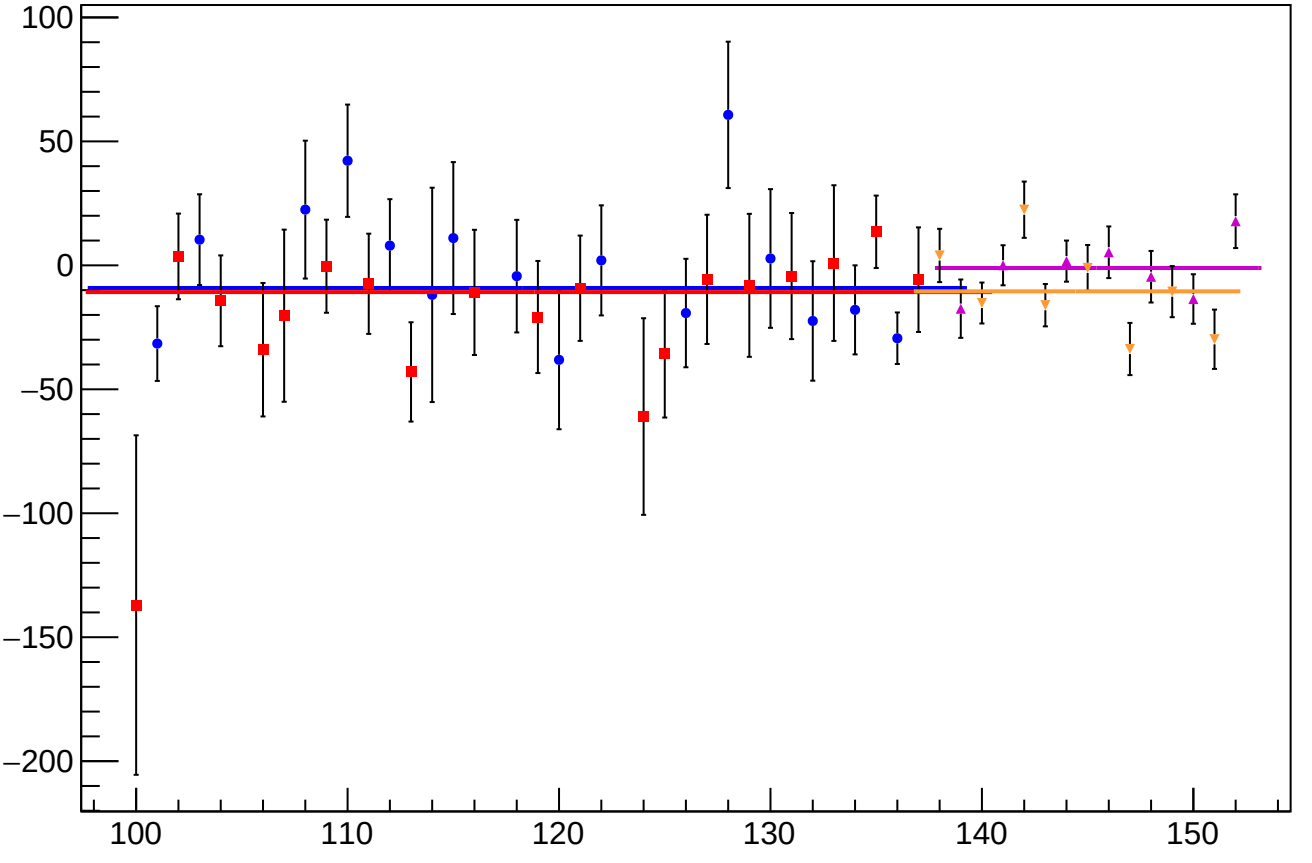
Left In: 422.576+/-0.122 χ^2/NDF:294030.6/6

+ sign 482.081+/-0.102 χ^2/NDF: 4089625.3/23

All: 476.007+/-0.071 χ^2/NDF: 8416344.8/49

- sign 470.175+/-0.100 χ^2/NDF: 4319749.4/25

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -10.483+/-3.492 χ^2/NDF:19.5/7

Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

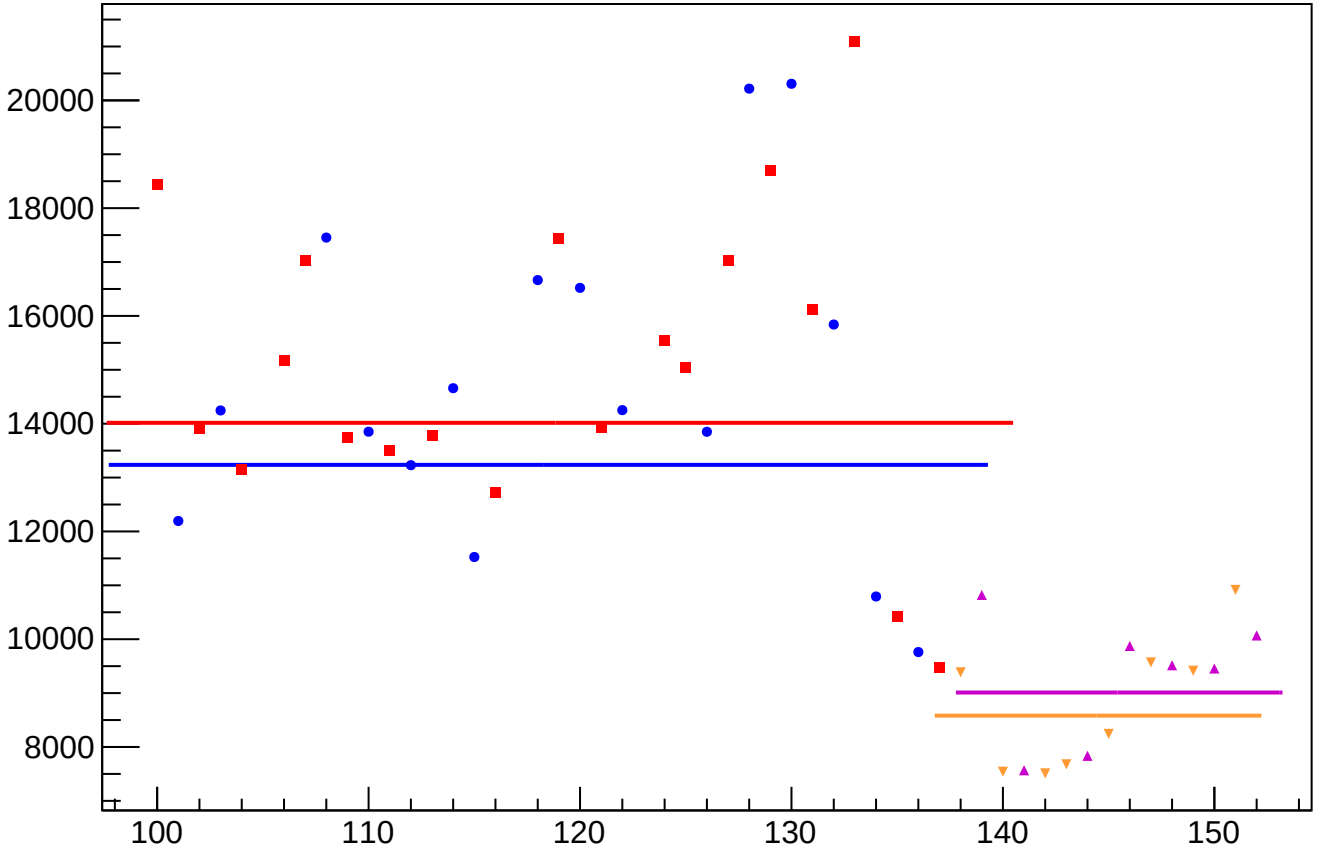
Left In: -1.069+/-3.675 χ^2/NDF:7.2/6

+ sign -10.048+/-2.876 χ^2/NDF: 42.3/23

All: -7.293+/-2.078 χ^2/NDF: 67.4/49

- sign -4.283+/-3.006 χ^2/NDF: 23.2/25

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8582.302+/-2.470 χ^2/NDF:192735.9/7

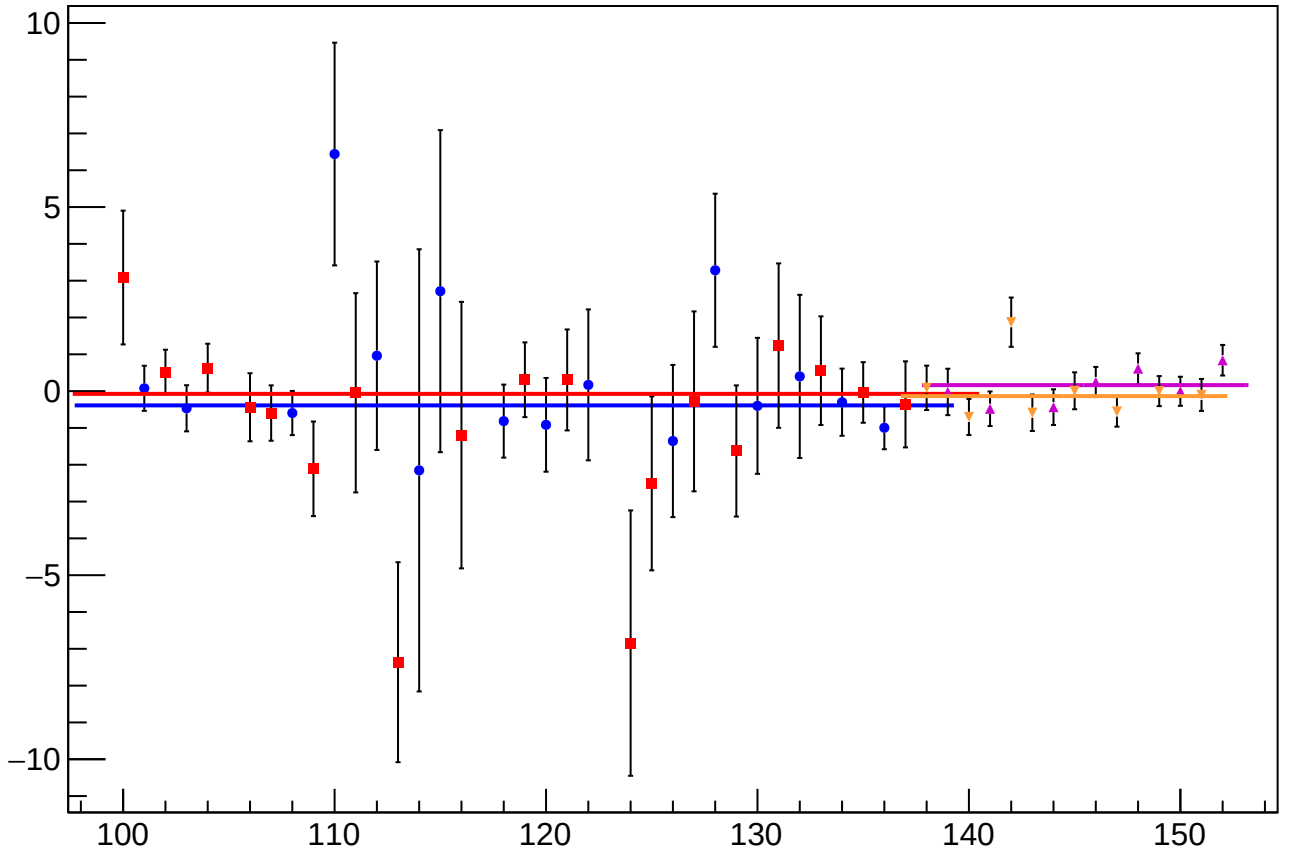
Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

Left In: 9010.914+/-2.598 χ^2/NDF:192836.6/6

+ sign 10080.129+/-2.034 χ^2/NDF: 2009552.3/23

All: 10360.186+/-1.469 χ^2/NDF: 3967815.9/4

- sign 10666.174+/-2.126 χ^2/NDF: 1918577.5/25



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.136+/-0.170 χ^2/NDF:12.5/7

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

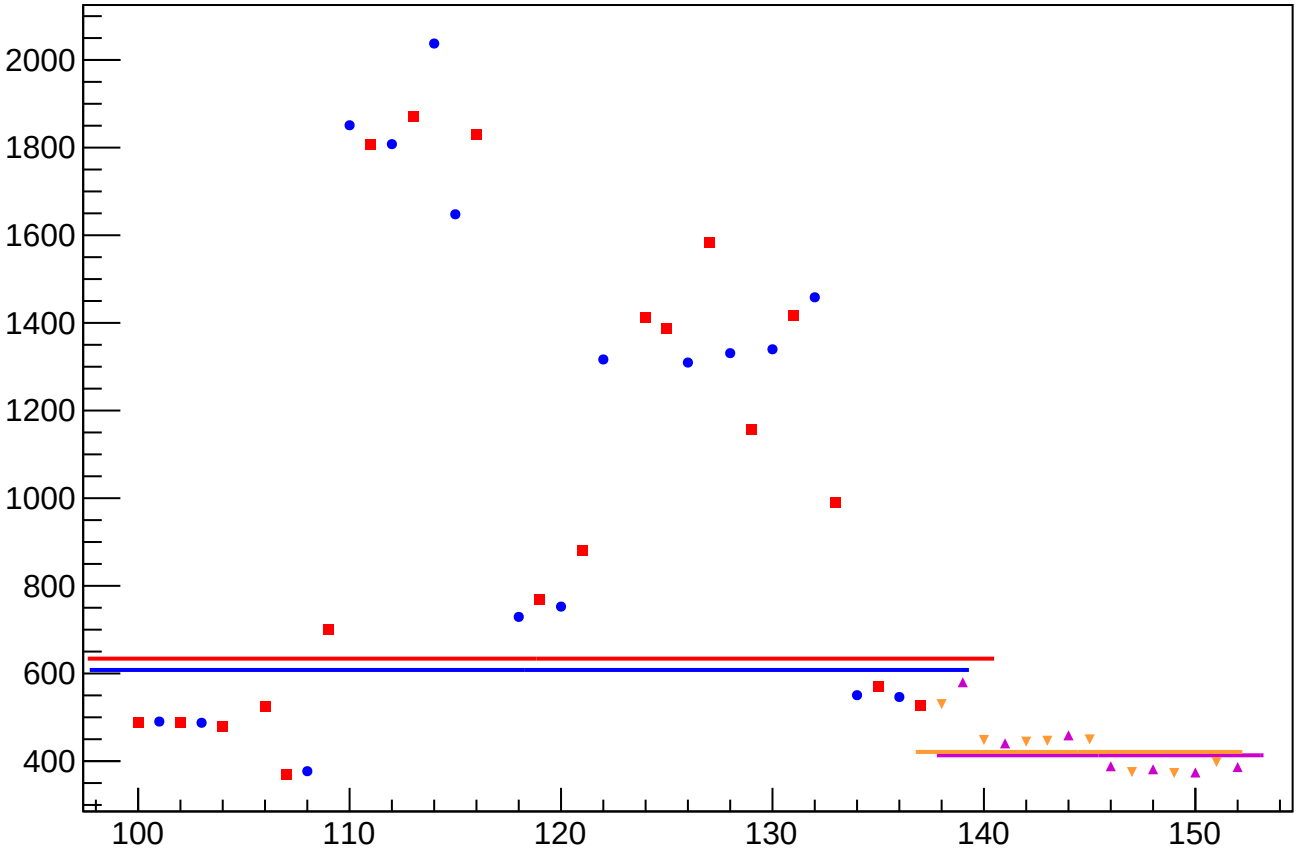
Left In: 0.163+/-0.168 χ^2/NDF:7.5/6

+ sign -0.213+/-0.142 χ^2/NDF: 24.8/23

All: -0.059+/-0.100 χ^2/NDF: 57.0/49

- sign 0.095+/-0.142 χ^2/NDF: 29.8/25

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 420.986+/-0.121 χ^2/NDF:144202.0/7

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

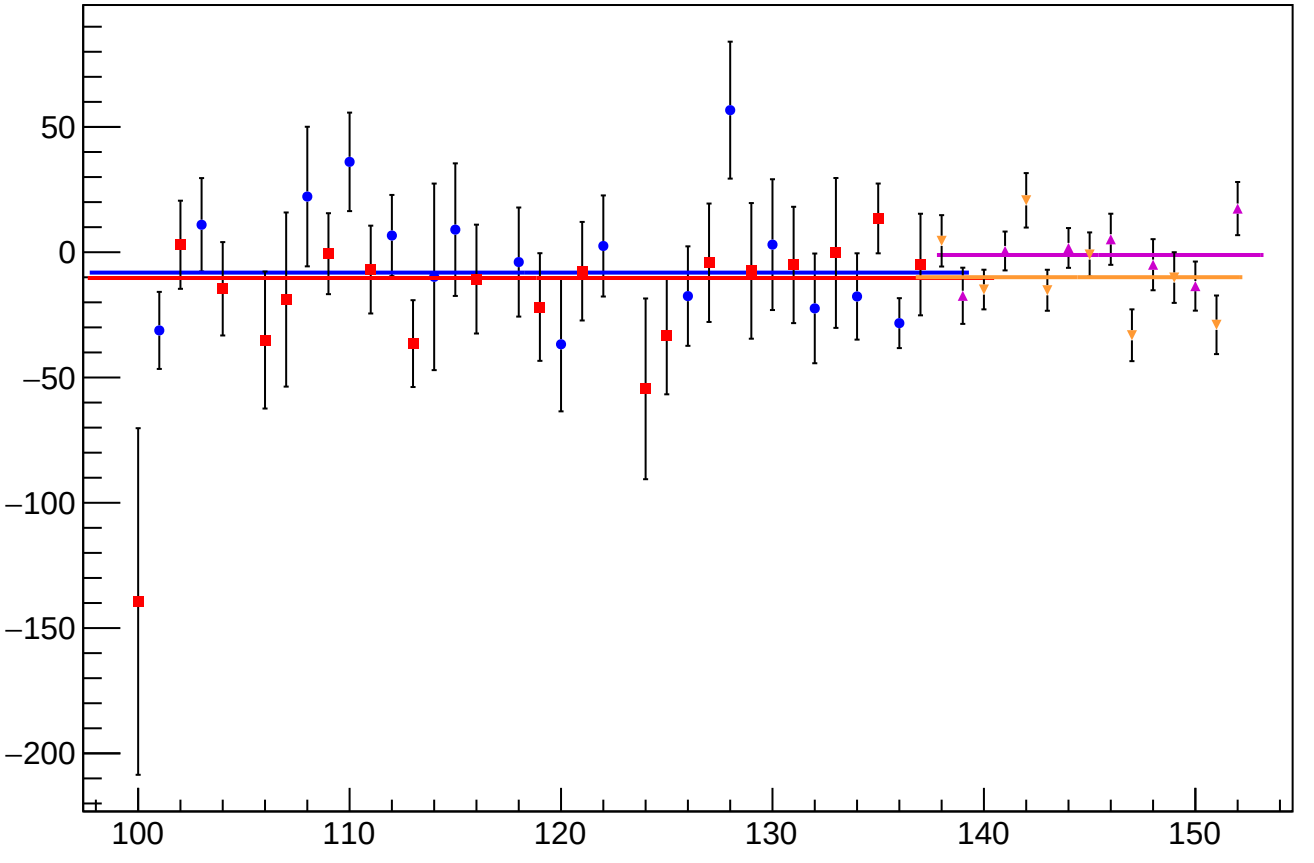
Left In: 413.299+/-0.119 χ^2/NDF:211371.7/6

+ sign 478.536+/-0.100 χ^2/NDF: 3738136.2/23

All: 477.725+/-0.071 χ^2/NDF: 7727788.6/49

- sign 476.912+/-0.100 χ^2/NDF: 3989521.5/25

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -9.967+/-3.367 χ^2/NDF:19.5/7

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

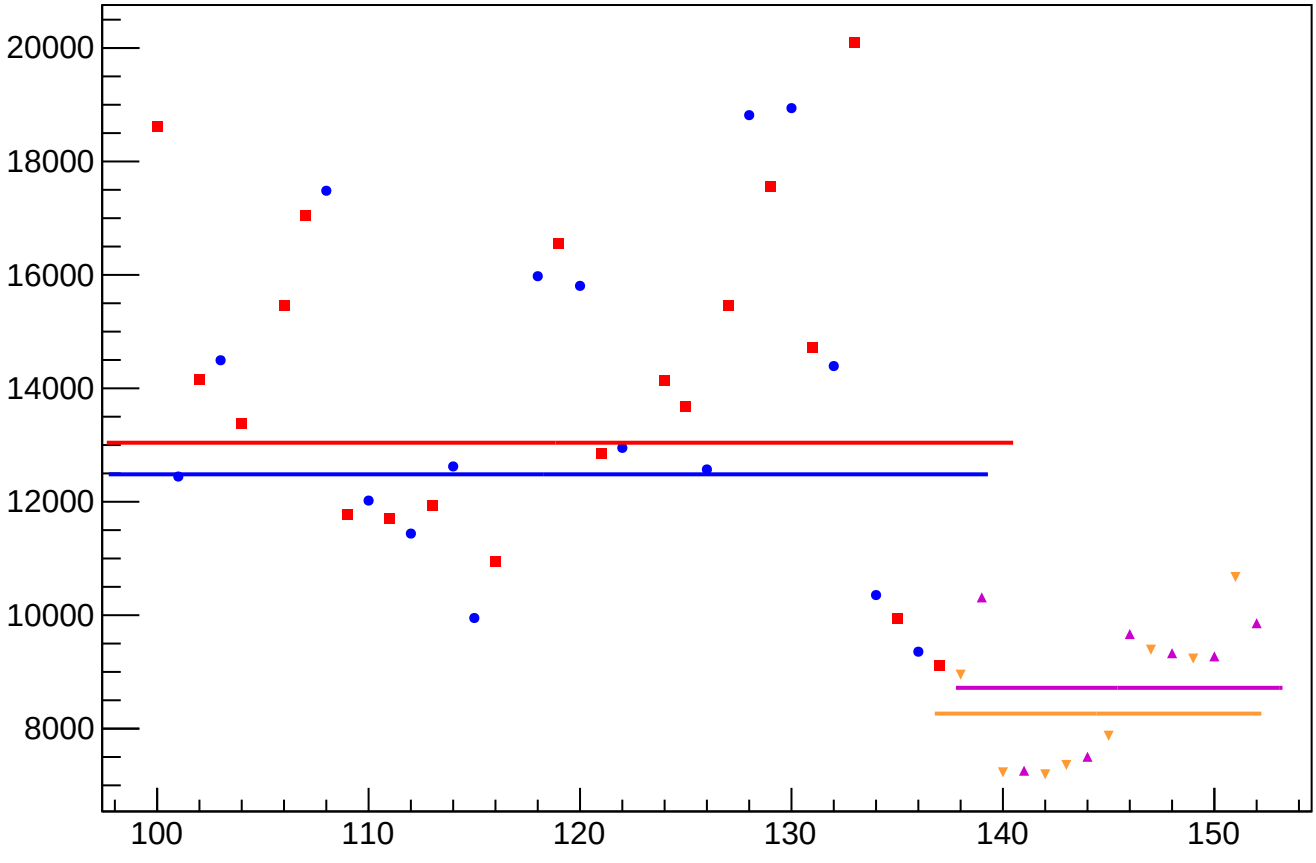
Left In: -1.104+/-3.559 χ^2/NDF:7.5/6

+ sign -9.358+/-2.753 χ^2/NDF: 42.7/23

All: -6.937+/-1.988 χ^2/NDF: 67.8/49

- sign -4.298+/-2.874 χ^2/NDF: 23.5/25

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8265.125+/-2.381 χ^2/NDF:218130.9/7

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

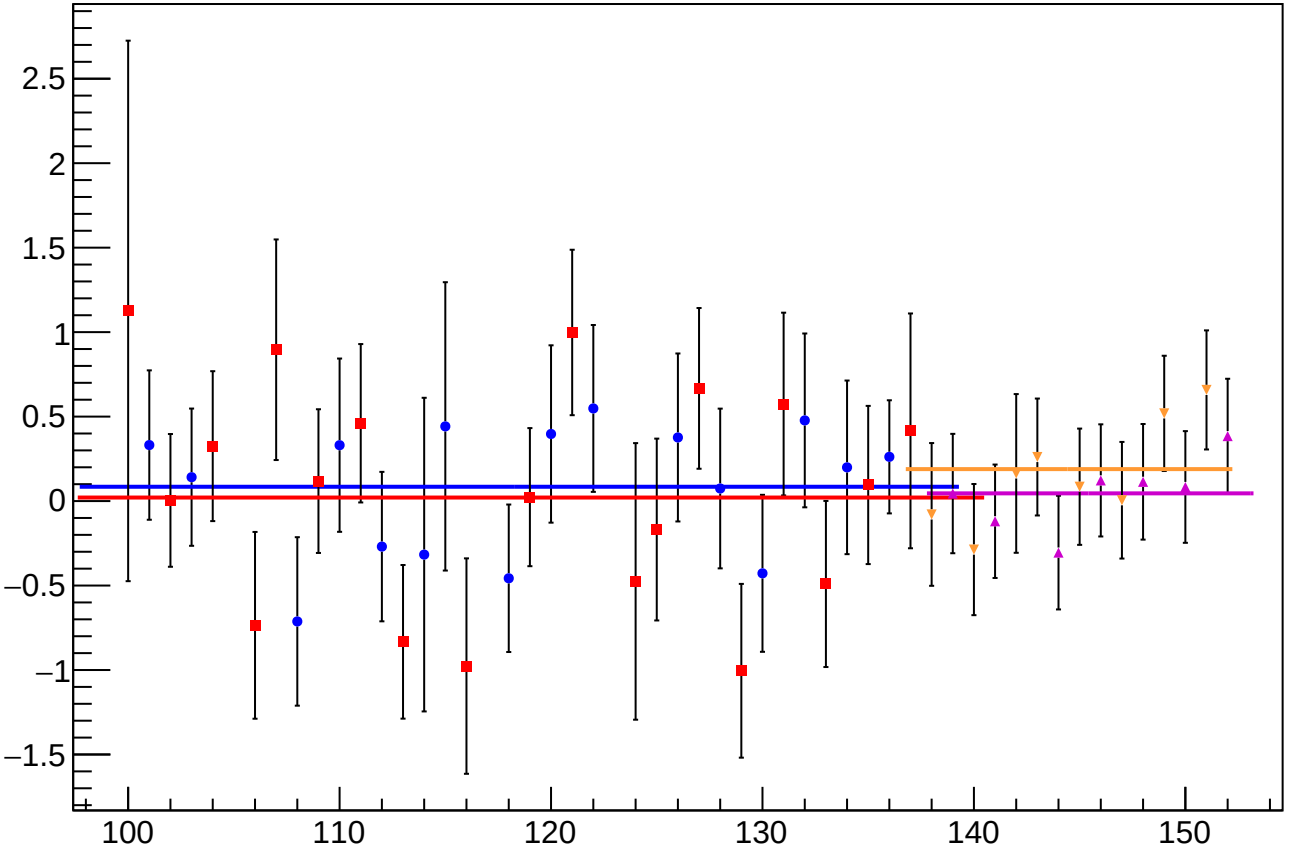
Left In: 8719.605+/-2.516 χ^2/NDF:212205.8/6

+ sign 9664.743+/-1.946 χ^2/NDF: 1931191.7/23

All: 9931.611+/-1.406 χ^2/NDF: 3752989.2/49

- sign 10222.505+/-2.032 χ^2/NDF: 1782508.9/25

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.189+/-0.131 χ^2/NDF:5.0/7

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

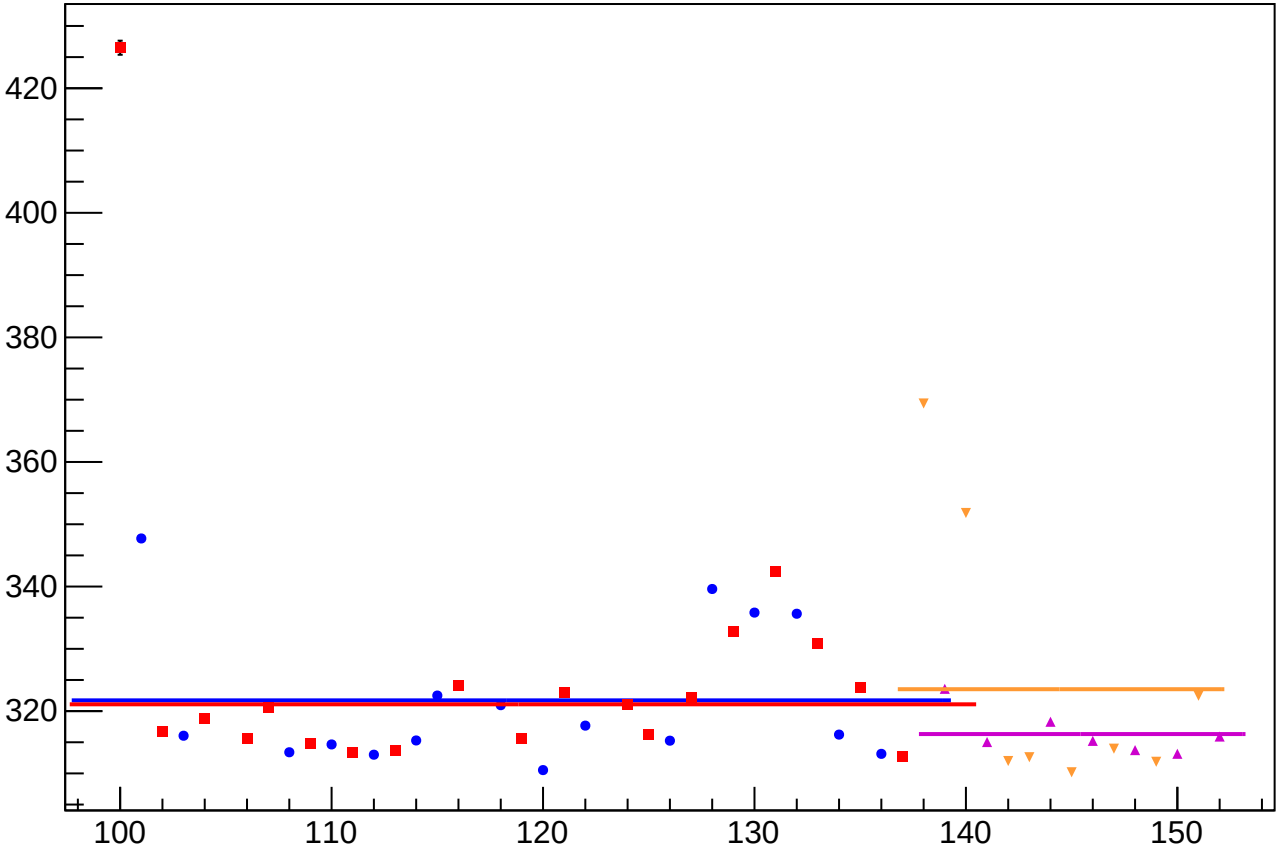
Left In: 0.046+/-0.128 χ^2/NDF:2.4/6

+ sign 0.133+/-0.088 χ^2/NDF: 14.8/23

All: 0.081+/-0.062 χ^2/NDF: 42.2/49

- sign 0.032+/-0.087 χ^2/NDF: 26.7/25

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 323.518+/-0.092 χ^2/NDF:44285.8/7

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

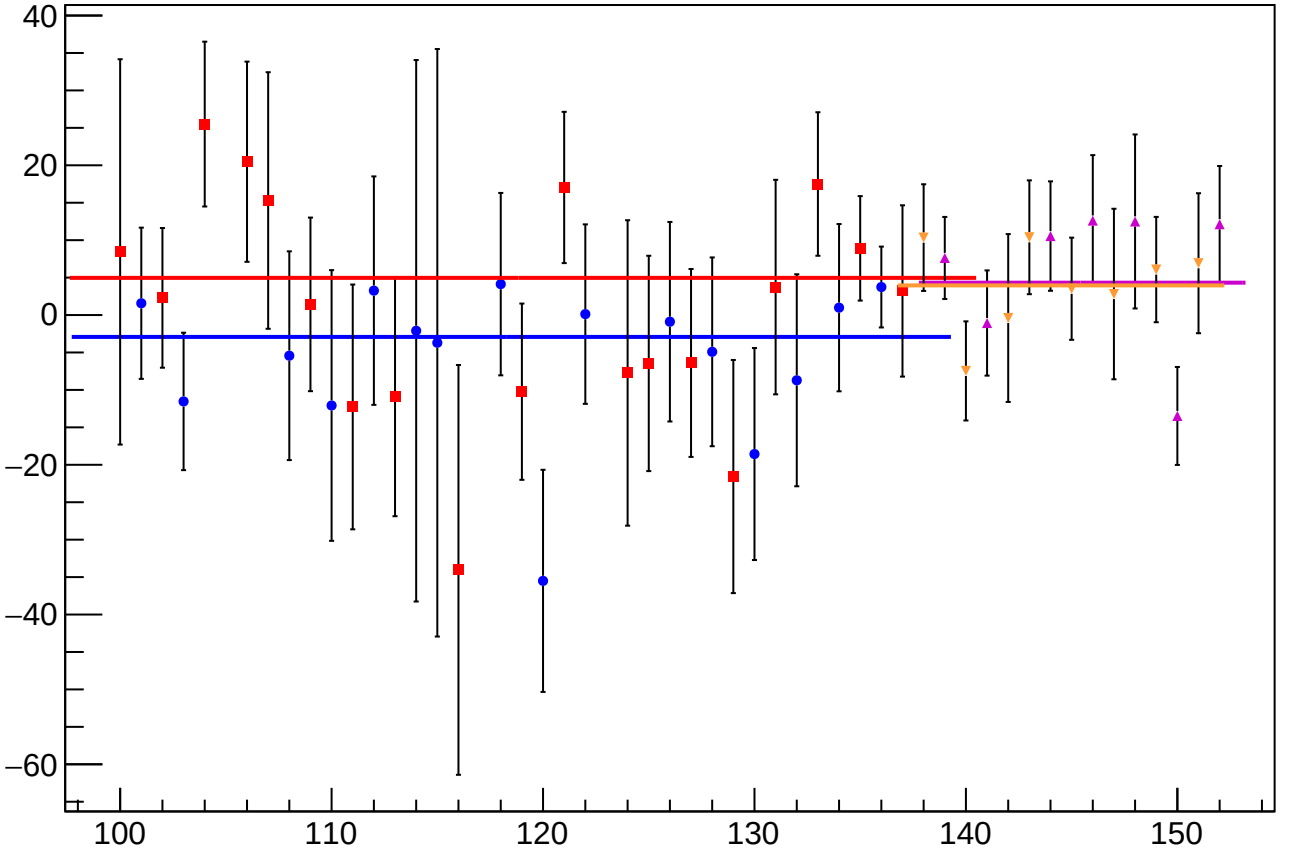
Left In: 316.317+/-0.090 χ^2/NDF:1264.8/6

+ sign 322.548+/-0.063 χ^2/NDF: 62703.9/23

All: 320.687+/-0.044 χ^2/NDF: 83793.5/49

- sign 318.906+/-0.061 χ^2/NDF: 19356.7/25

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.958+/-2.788 χ^2/NDF:4.9/7

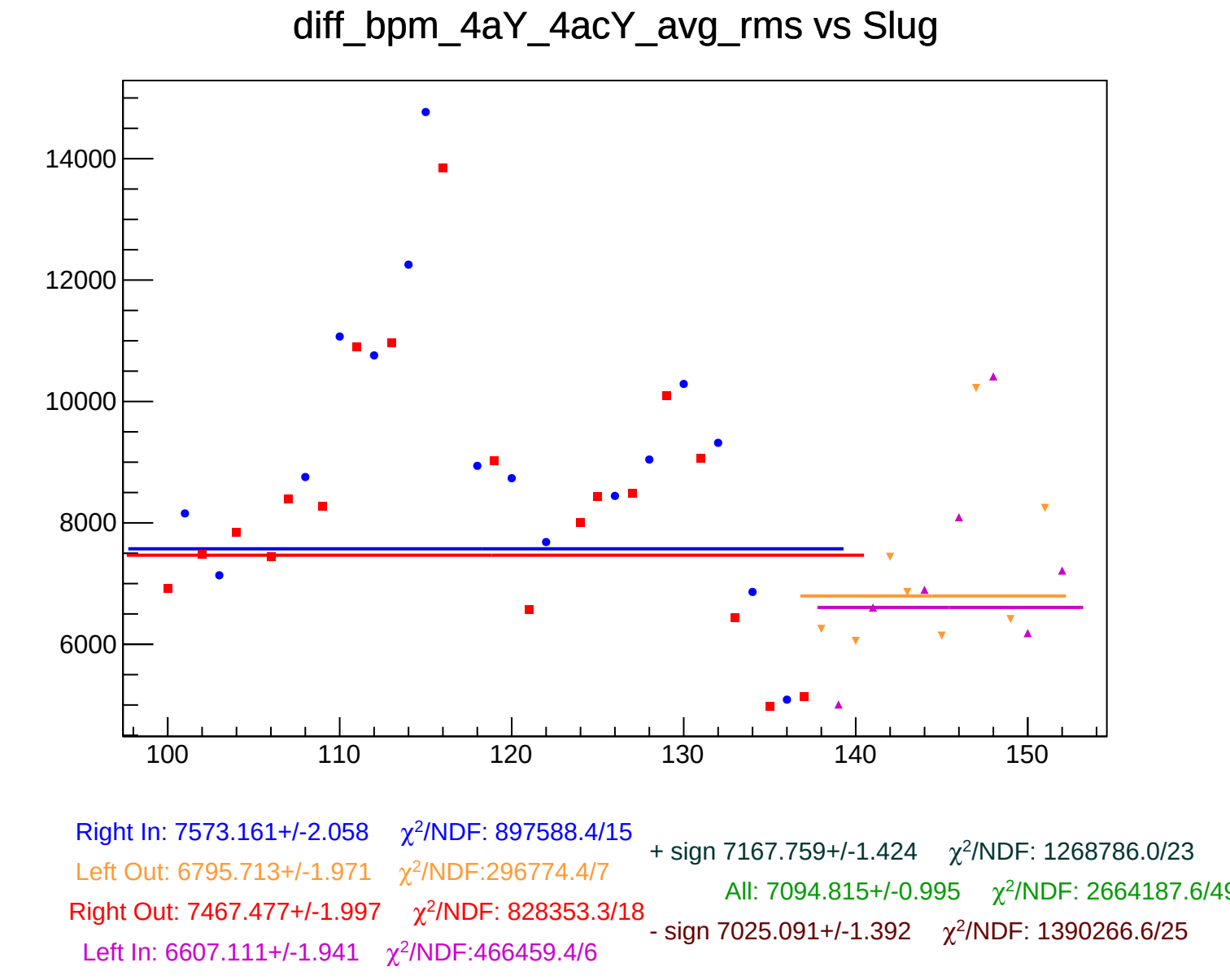
Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: 4.323+/-2.745 χ^2/NDF:11.5/6

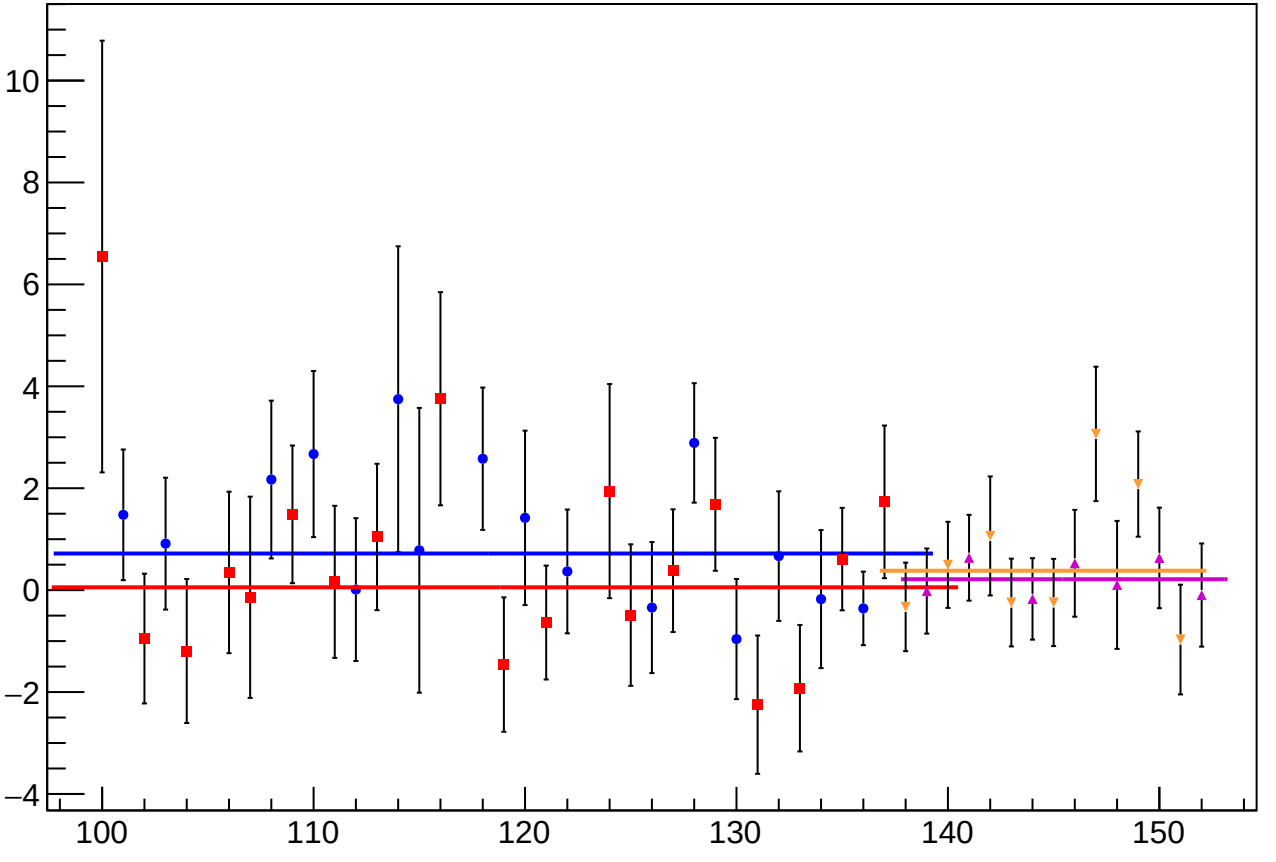
+ sign 0.666+/-2.013 χ^2/NDF: 17.6/23

All: 2.695+/-1.407 χ^2/NDF: 50.5/49

- sign 4.635+/-1.968 χ^2/NDF: 30.9/25


diff_bpm_4aY_4acY_avg_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6795.713+/-1.971 χ²/NDF:296774.4/7
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6607.111+/-1.941 χ²/NDF:466459.4/6
+ sign 7167.759+/-1.424 χ²/NDF: 1268786.0/23
All: 7094.815+/-0.995 χ²/NDF: 2664187.6/49
- sign 7025.091+/-1.392 χ²/NDF: 1390266.6/25

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.381+/-0.342 χ^2/NDF:10.5/7

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

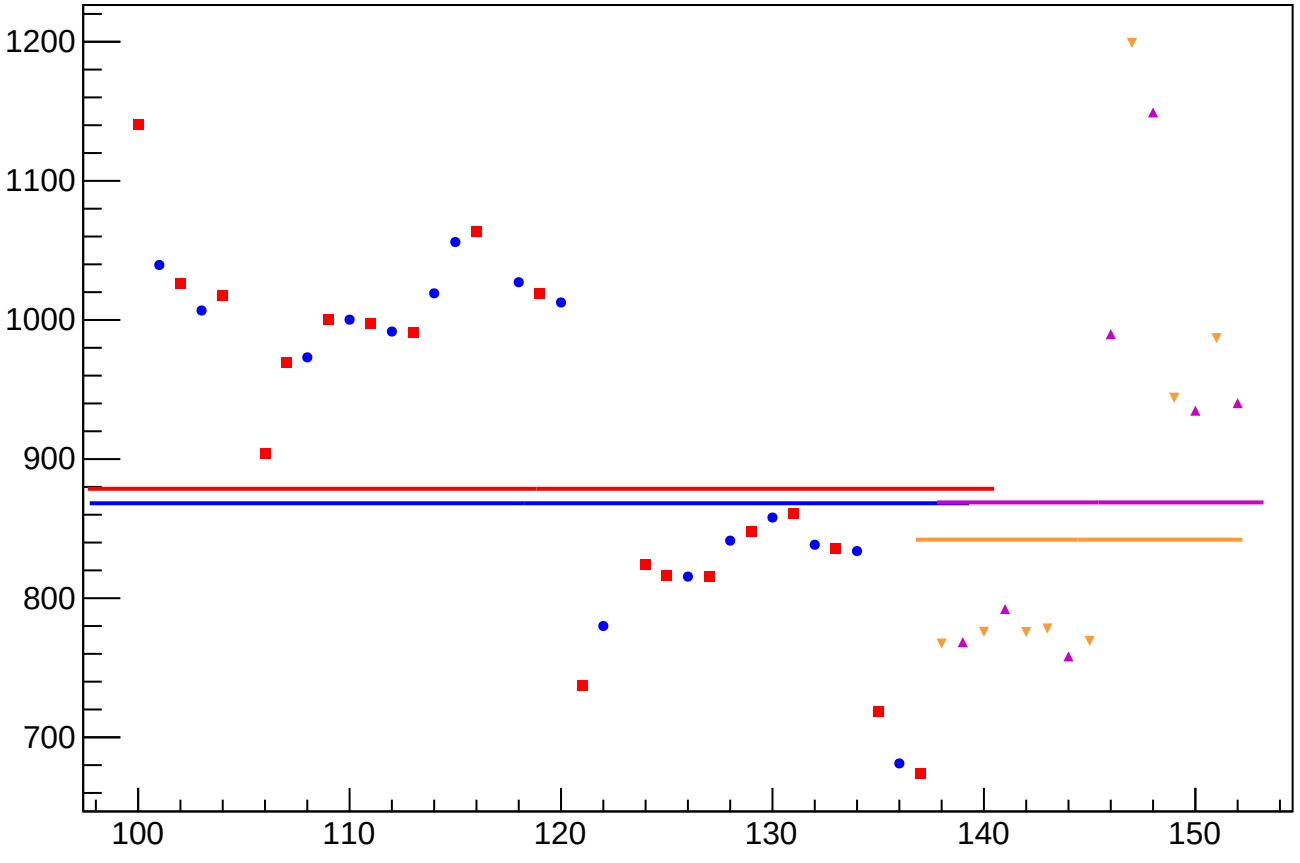
Left In: 0.214+/-0.355 χ^2/NDF:0.9/6

+ sign 0.558+/-0.236 χ^2/NDF: 25.8/23

All: 0.346+/-0.168 χ^2/NDF: 48.3/49

- sign 0.128+/-0.239 χ^2/NDF: 20.9/25

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 842.070+/-0.242 χ^2/NDF:261368.4/7

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

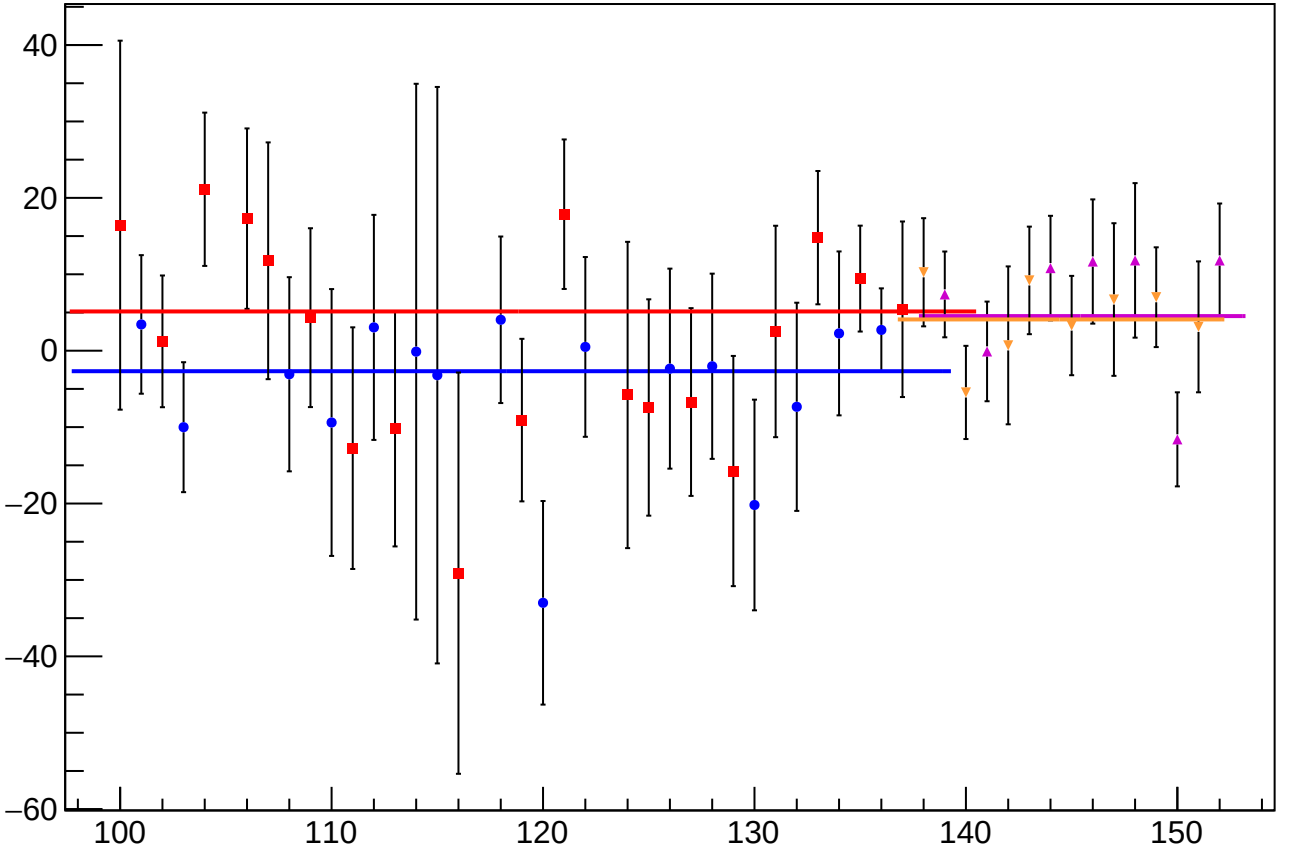
Left In: 868.860+/-0.251 χ^2/NDF:229075.8/6

+ sign 855.792+/-0.167 χ^2/NDF: 569920.5/23

All: 864.886+/-0.119 χ^2/NDF: 1078376.6/49

- sign 874.208+/-0.169 χ^2/NDF: 502440.4/25

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.091+/-2.607 χ^2/NDF:4.1/7

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

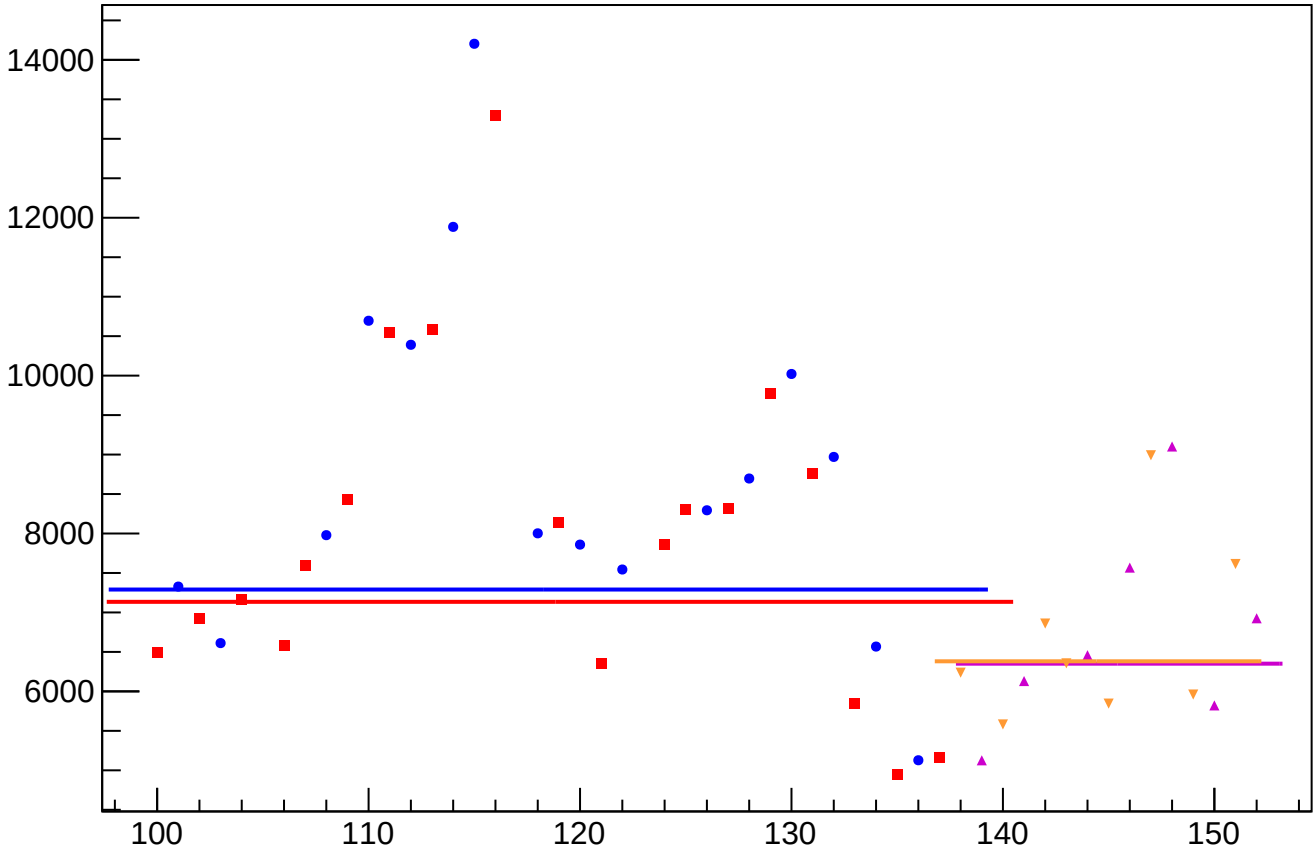
Left In: 4.530+/-2.618 χ^2/NDF:10.7/6

+ sign 0.932+/-1.904 χ^2/NDF: 17.4/23

All: 2.906+/-1.337 χ^2/NDF: 47.5/49

- sign 4.825+/-1.877 χ^2/NDF: 28.0/25

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6381.011+/-1.843 χ^2/NDF:239482.4/7

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

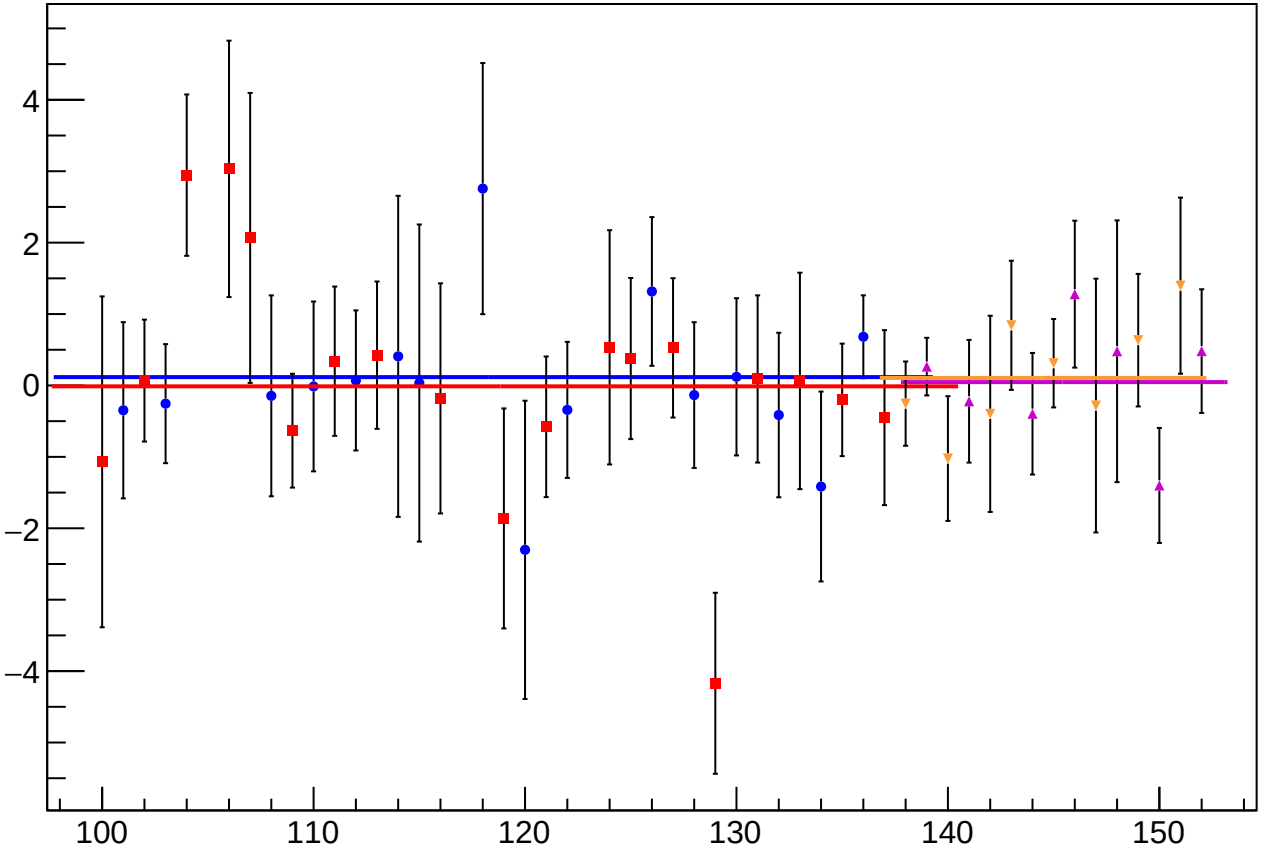
Left In: 6351.080+/-1.851 χ^2/NDF:317431.3/6

+ sign 6805.046+/-1.346 χ^2/NDF: 1123497.5/23

All: 6767.895+/-0.945 χ^2/NDF: 2322260.4/49

- sign 6731.805+/-1.327 χ^2/NDF: 1197261.9/25

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: 0.105+/-0.306 χ^2/NDF:4.4/7

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

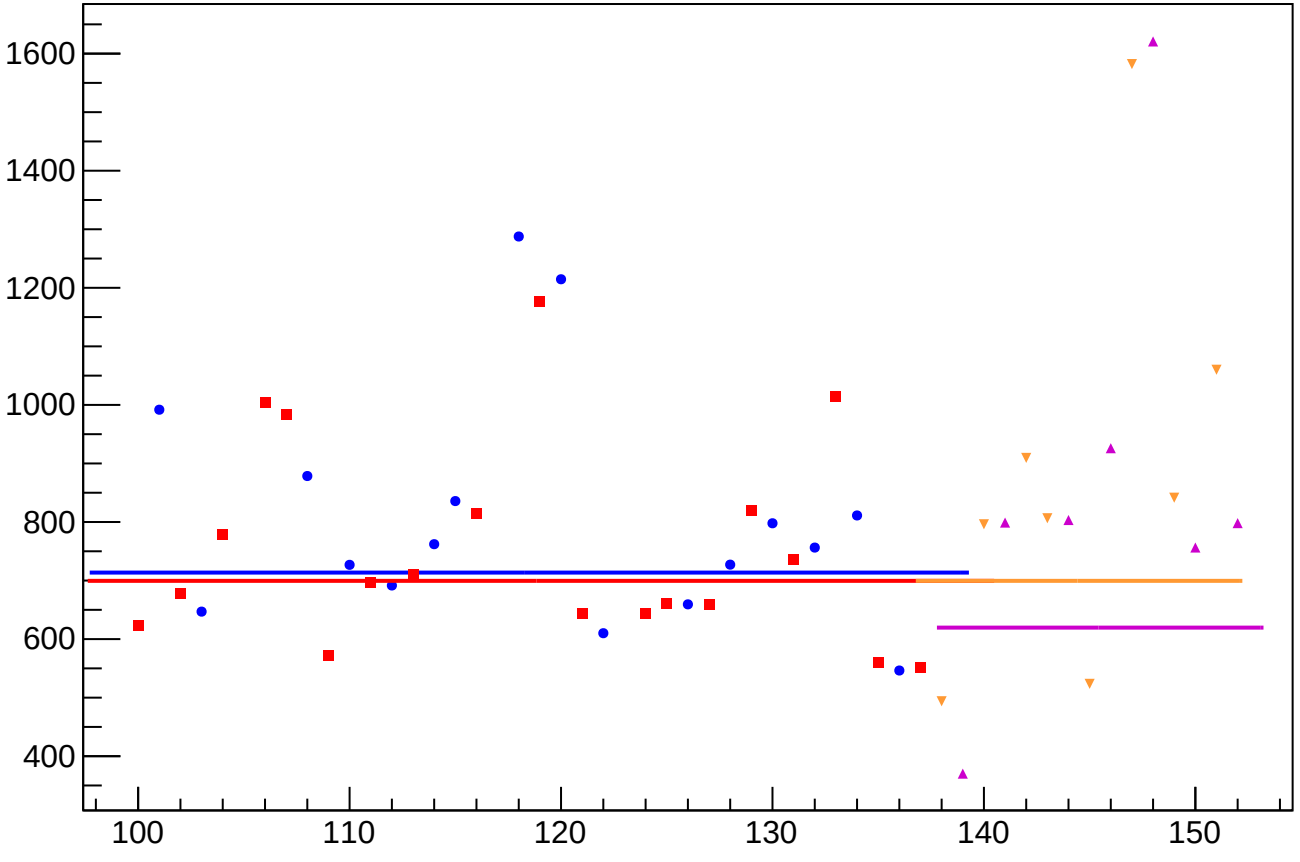
Left In: 0.047+/-0.277 χ^2/NDF:5.6/6

+ sign 0.112+/-0.204 χ^2/NDF: 12.5/23

All: 0.061+/-0.139 χ^2/NDF: 43.5/49

- sign 0.016+/-0.191 χ^2/NDF: 30.8/25

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 699.501+/-0.216 χ^2/NDF:1215043.8/7

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

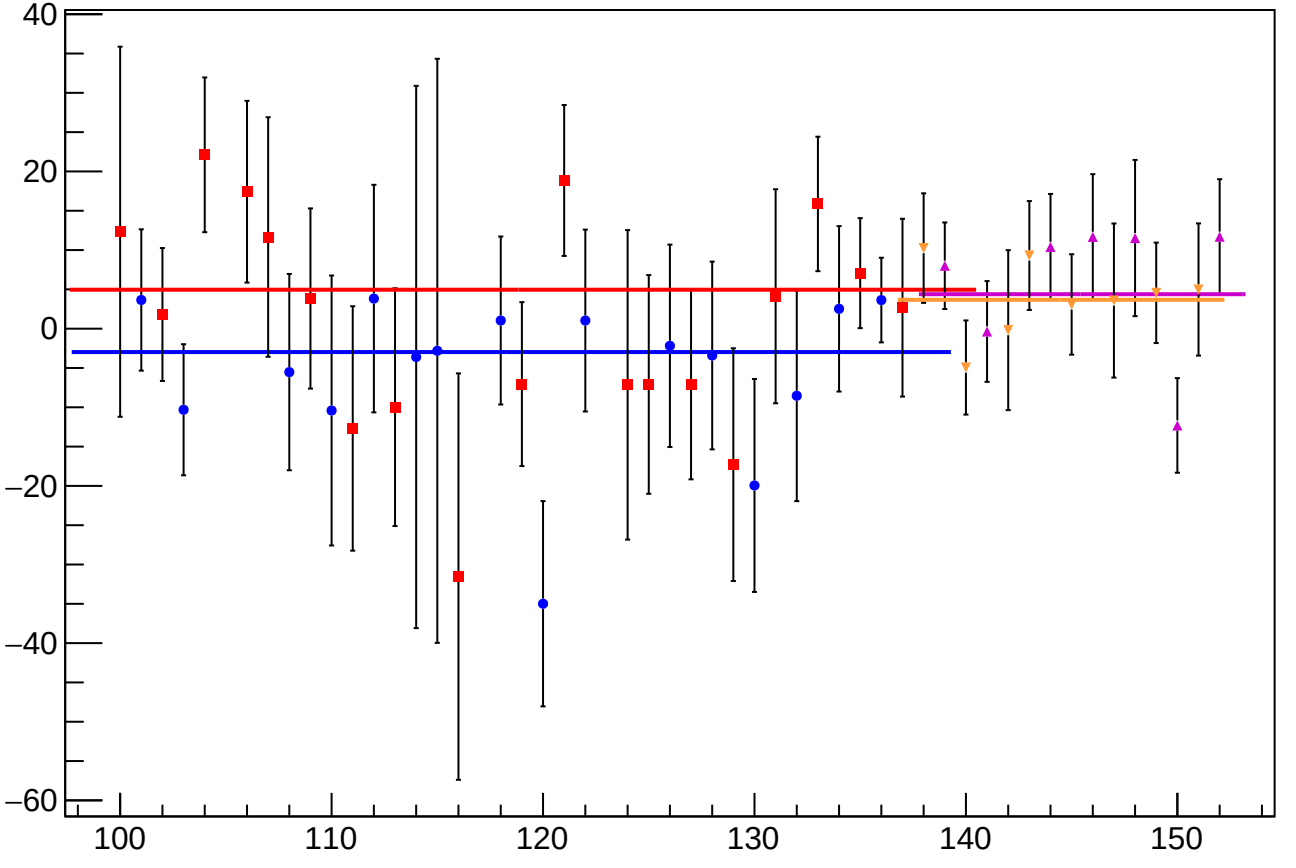
Left In: 619.615+/-0.196 χ^2/NDF:1862573.2/6

+ sign 707.361+/-0.144 χ^2/NDF: 1916720.2/23

All: 683.014+/-0.099 χ^2/NDF: 4495986.8/49

- sign 661.643+/-0.135 χ^2/NDF: 2525649.4/25

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.675+/-2.560 χ^2/NDF:3.8/7

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

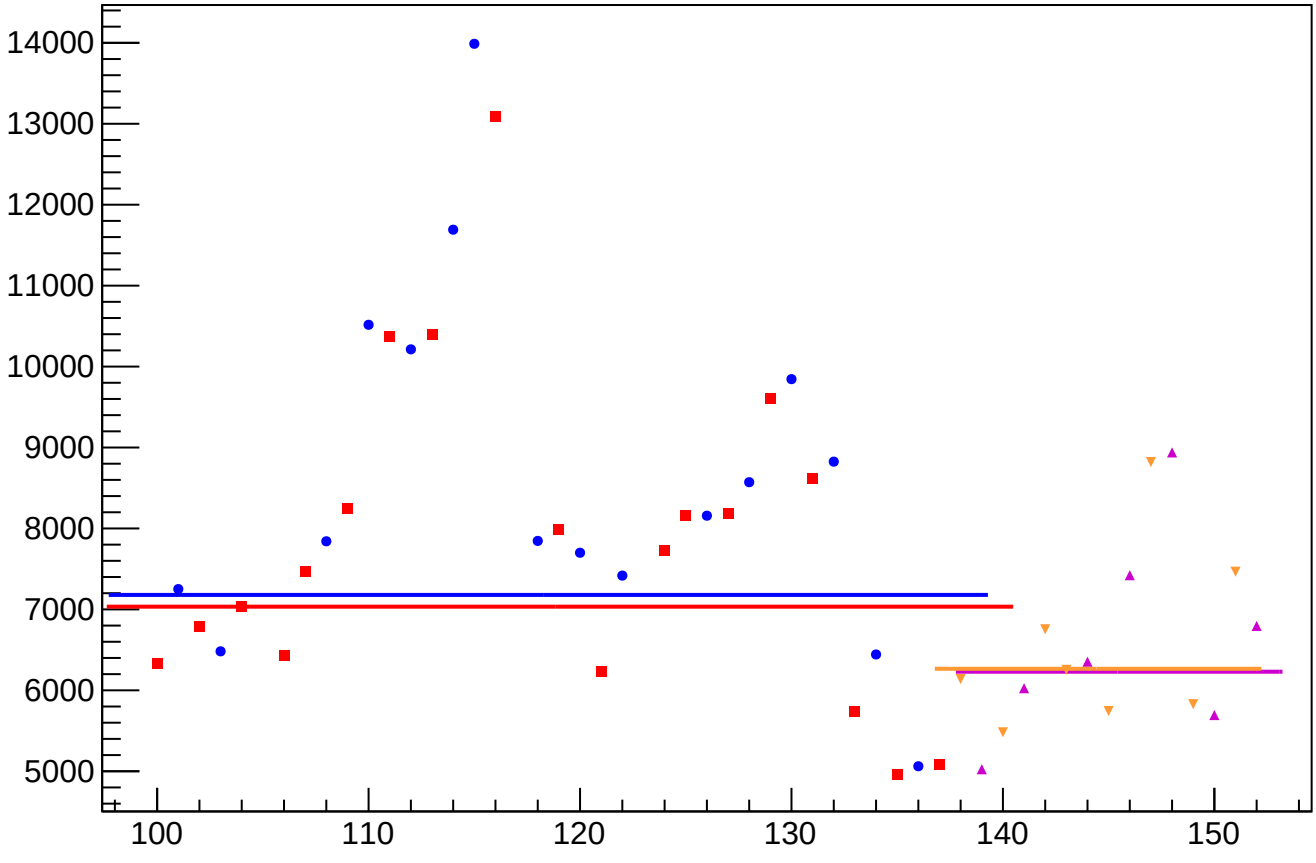
Left In: 4.386+/-2.569 χ^2/NDF:11.8/6

+ sign 0.584+/-1.873 χ^2/NDF: 18.5/23

All: 2.652+/-1.314 χ^2/NDF: 51.2/49

- sign 4.661+/-1.845 χ^2/NDF: 30.3/25

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6266.081+/-1.810 χ^2/NDF:238934.3/7

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

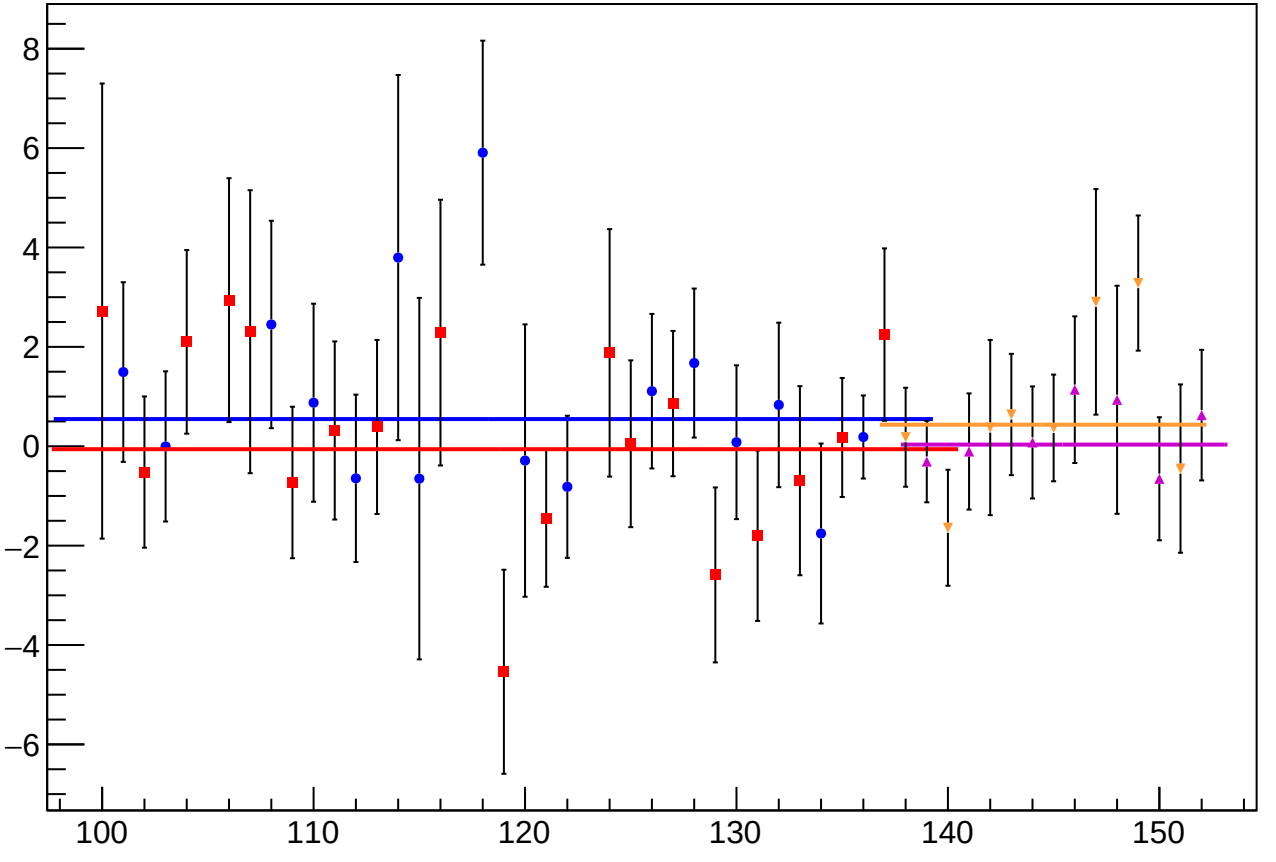
Left In: 6229.900+/-1.816 χ^2/NDF:319806.1/6

+ sign 6690.538+/-1.324 χ^2/NDF: 1119113.0/23

All: 6654.096+/-0.929 χ^2/NDF: 2301519.0/49

- sign 6618.700+/-1.305 χ^2/NDF: 1180912.8/25

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.434+/-0.462 χ^2/NDF:9.1/7

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

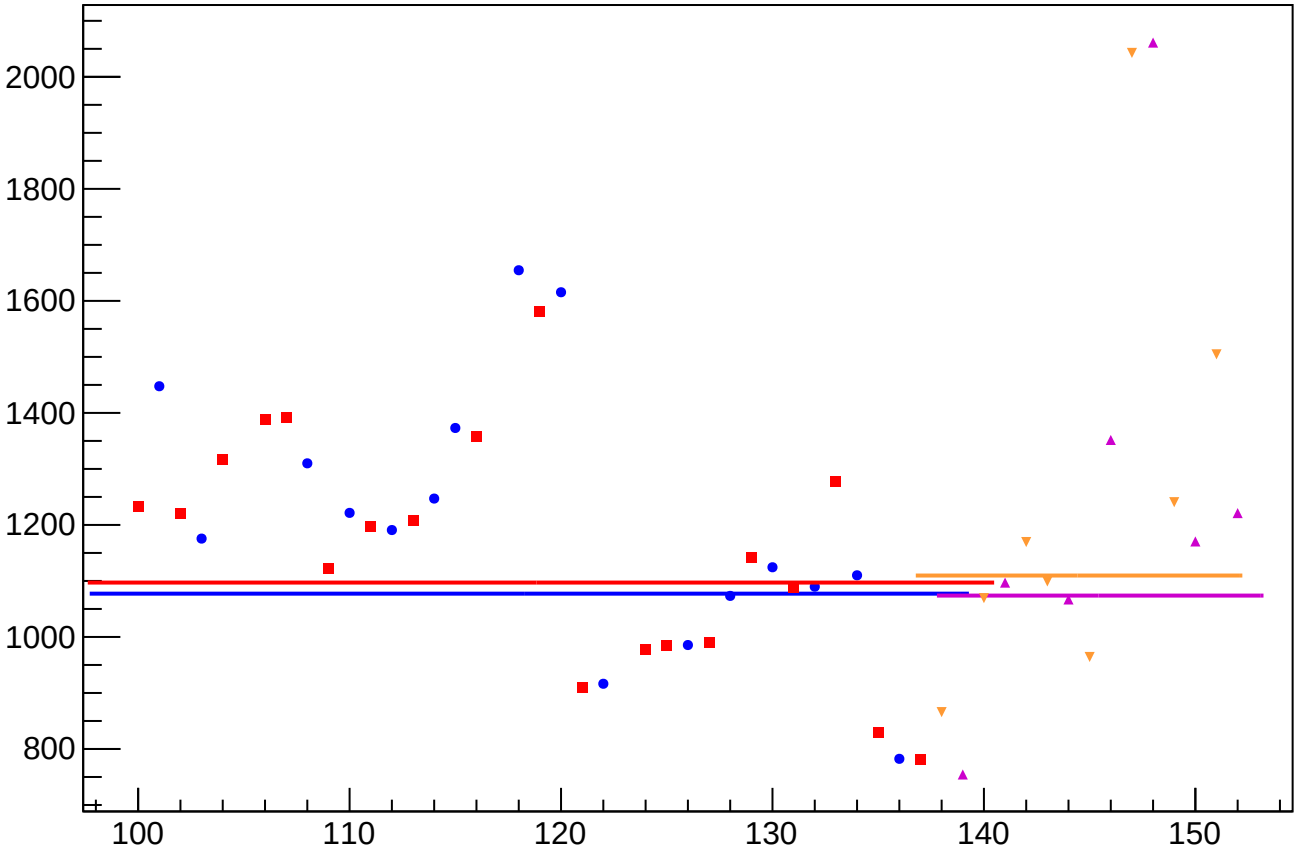
Left In: 0.033+/-0.452 χ^2/NDF:1.4/6

+ sign 0.497+/-0.307 χ^2/NDF: 21.1/23

All: 0.236+/-0.216 χ^2/NDF: 40.8/49

- sign -0.018+/-0.303 χ^2/NDF: 18.3/25

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1109.666+/-0.327 χ^2/NDF:626533.4/7

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

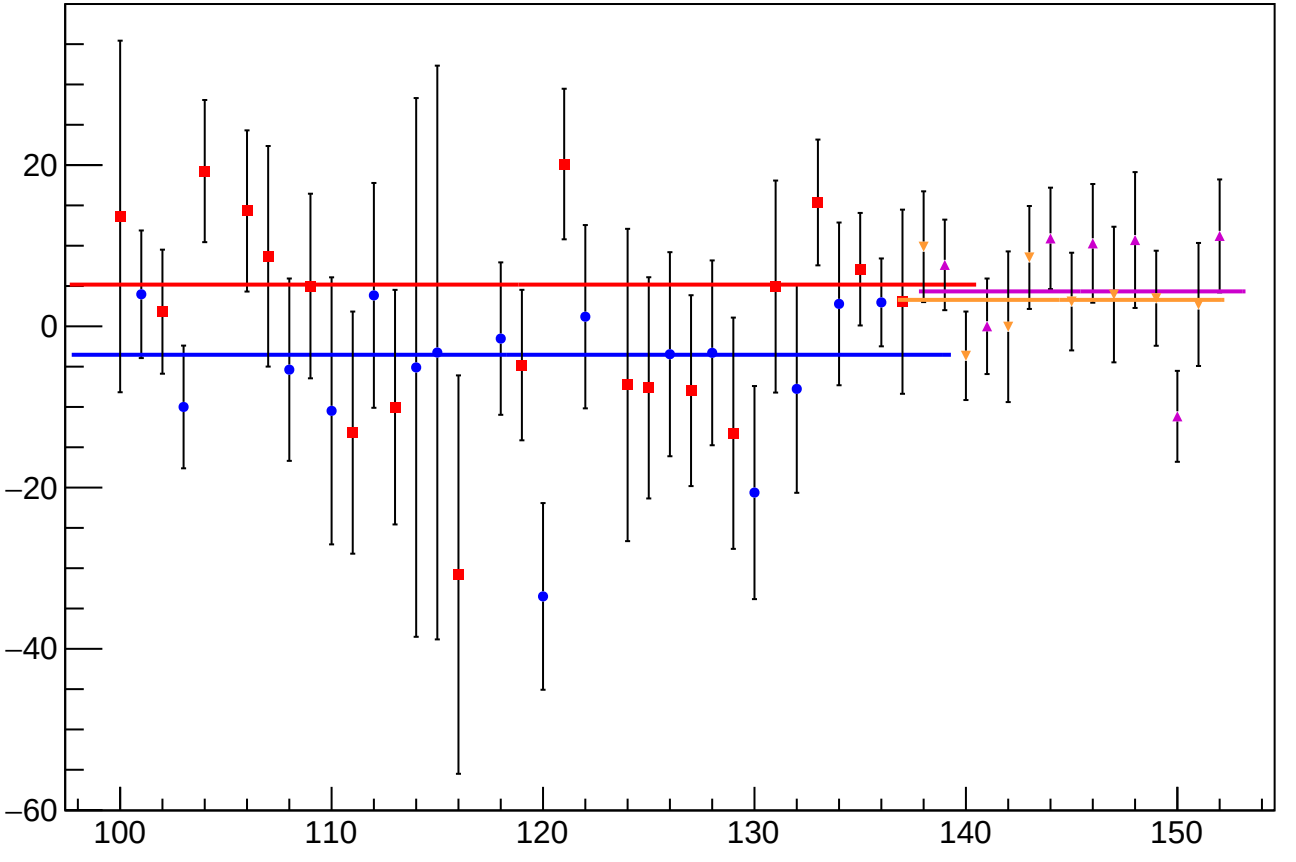
Left In: 1073.863+/-0.320 χ^2/NDF:782603.0/6

+ sign 1091.598+/-0.217 χ^2/NDF: 1278534.6/23

All: 1089.098+/-0.153 χ^2/NDF: 2548676.8/49

- sign 1086.658+/-0.214 χ^2/NDF: 1269880.1/25

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.282+/-2.372 χ^2/NDF:3.3/7

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

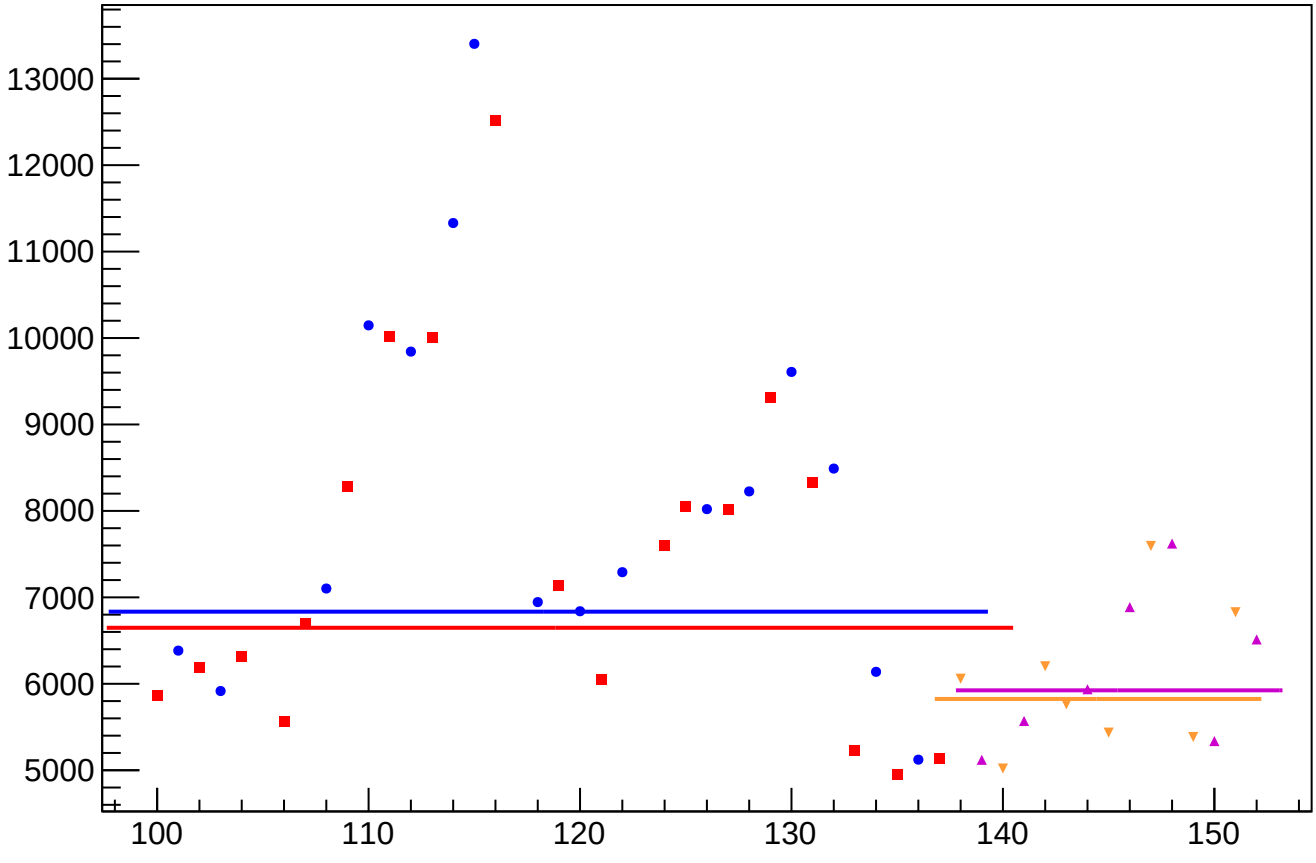
Left In: 4.334+/-2.427 χ^2/NDF:11.7/6

+ sign 0.200+/-1.755 χ^2/NDF: 19.7/23

All: 2.484+/-1.237 χ^2/NDF: 53.0/49

- sign 4.741+/-1.744 χ^2/NDF: 30.0/25

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5824.710+/-1.677 χ^2/NDF:191381.2/7

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

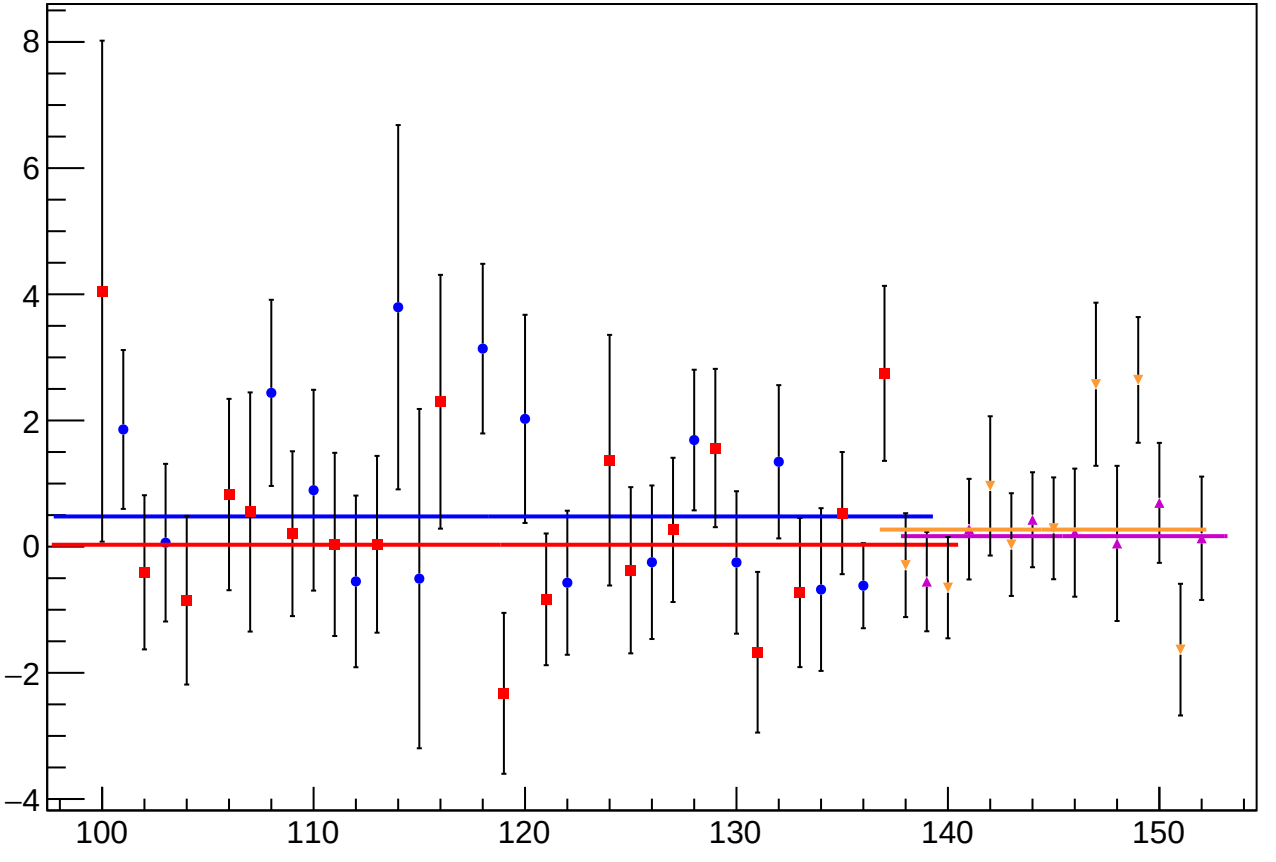
Left In: 5924.359+/-1.716 χ^2/NDF:199369.3/6

+ sign 6281.754+/-1.241 χ^2/NDF: 1048137.6/23

All: 6277.991+/-0.875 χ^2/NDF: 2118620.0/49

- sign 6274.274+/-1.233 χ^2/NDF: 1070464.1/25

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.271+/-0.326 χ^2/NDF:14.4/7

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

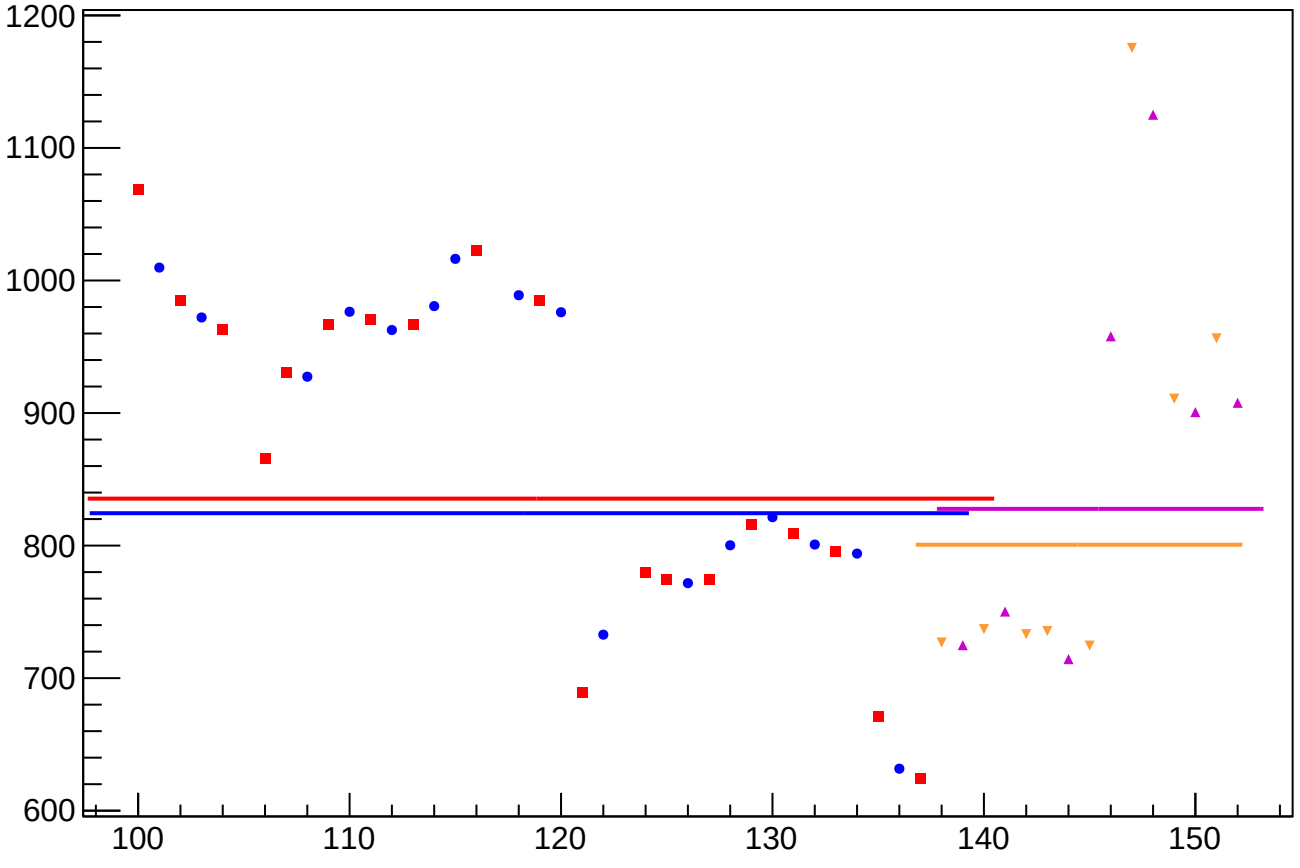
Left In: 0.166+/-0.338 χ^2/NDF:1.3/6

+ sign 0.380+/-0.225 χ^2/NDF: 31.4/23

All: 0.238+/-0.160 χ^2/NDF: 49.3/49

- sign 0.092+/-0.228 χ^2/NDF: 17.1/25

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 800.641+/-0.230 χ^2/NDF:303768.3/7

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

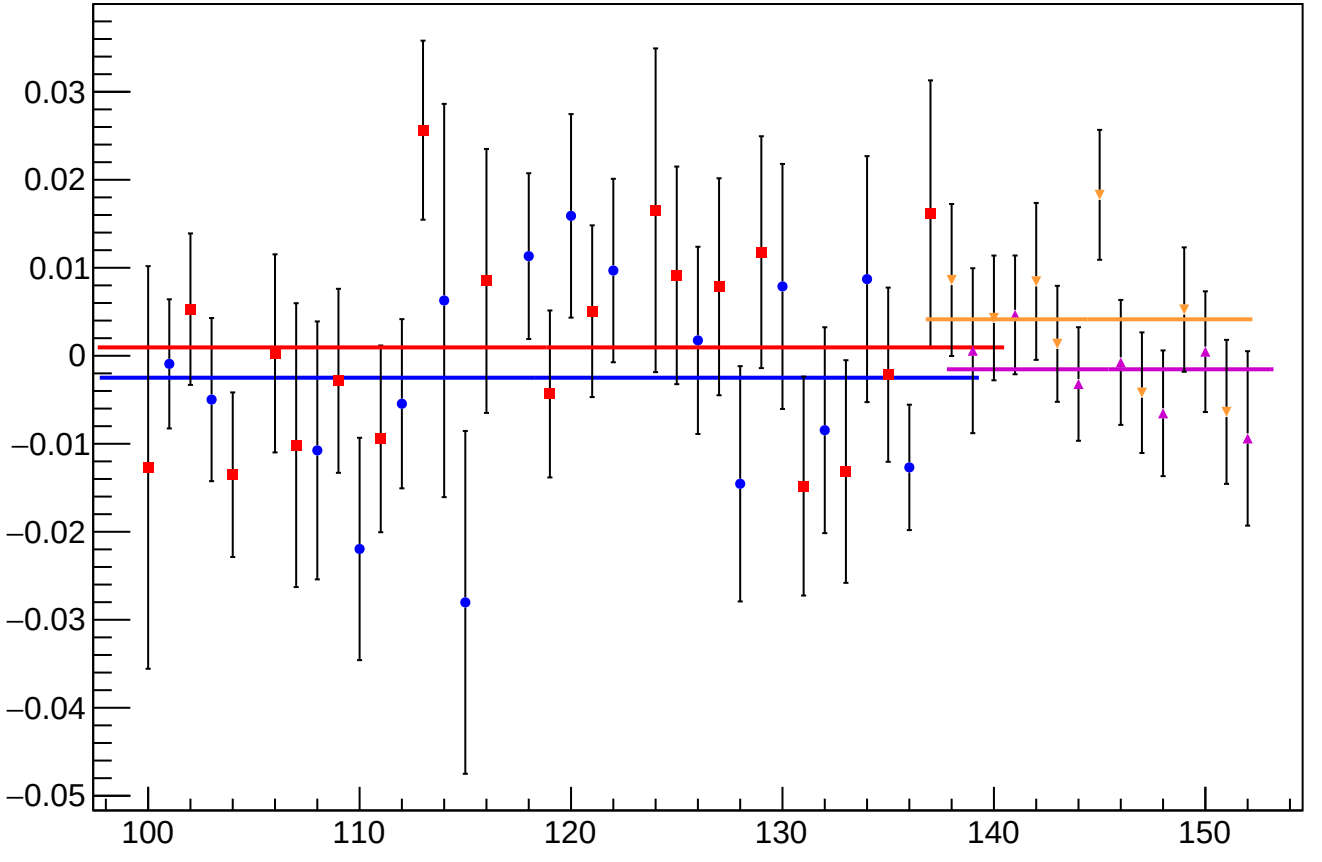
Left In: 827.713+/-0.239 χ^2/NDF:273332.1/6

+ sign 813.099+/-0.159 χ^2/NDF: 674811.9/23

All: 822.386+/-0.113 χ^2/NDF: 1274929.9/49

- sign 831.931+/-0.161 χ^2/NDF: 593203.0/25

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.004+/-0.003 χ^2/NDF:7.5/7

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

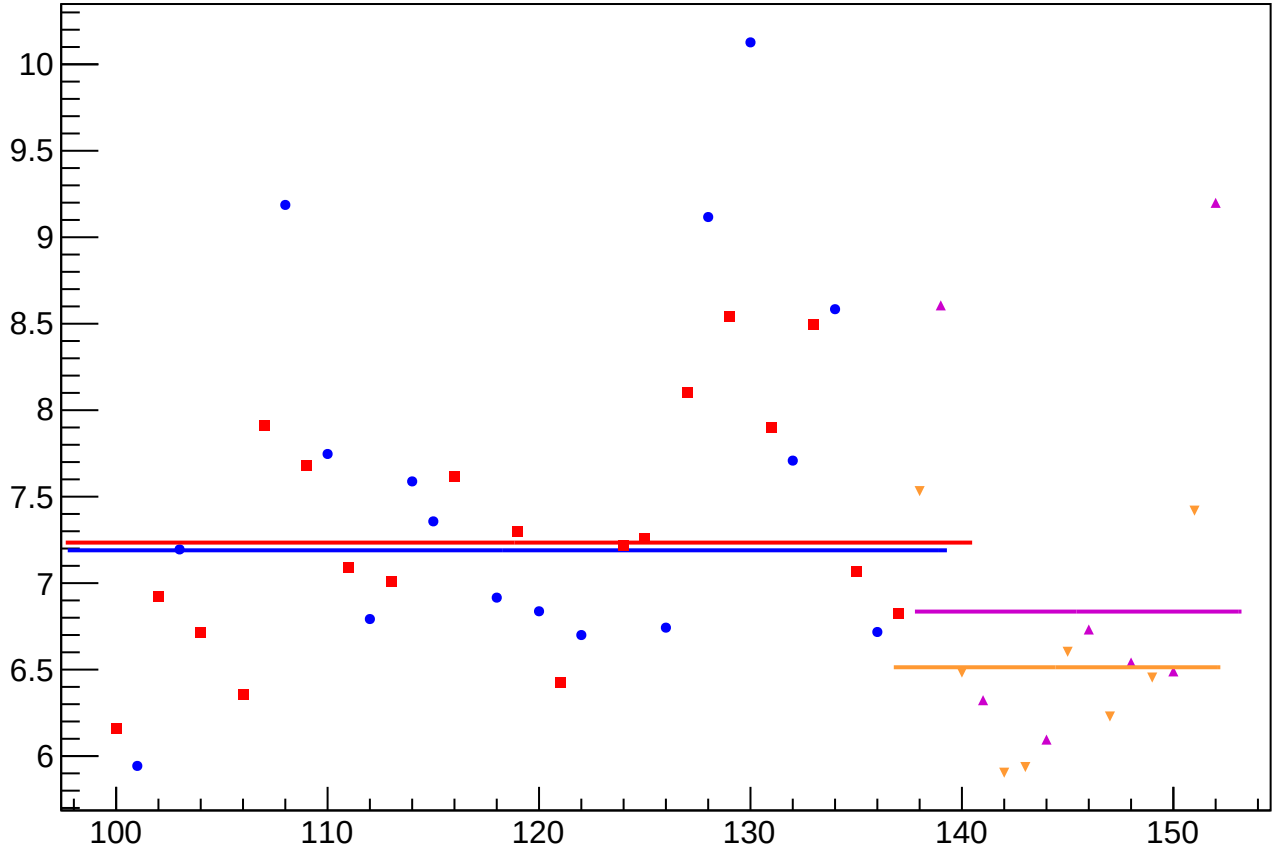
Left In: -0.002+/-0.003 χ^2/NDF:2.2/6

+ sign 0.001+/-0.002 χ^2/NDF: 25.9/23

All: 0.000+/-0.001 χ^2/NDF: 45.9/49

- sign -0.000+/-0.002 χ^2/NDF: 19.9/25

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.514+/-0.002 χ^2/NDF:80901.4/7

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

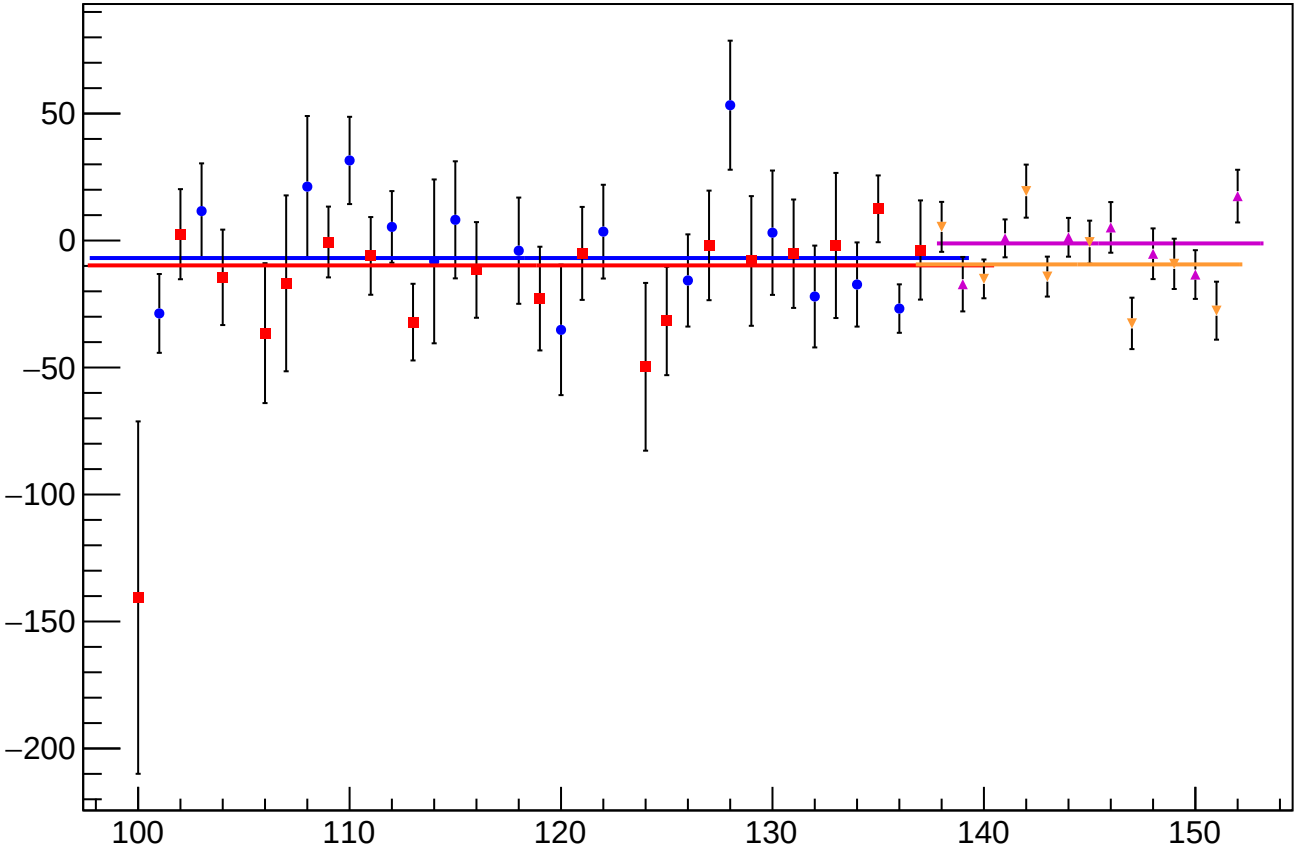
Left In: 6.836+/-0.002 χ^2/NDF:231846.7/6

+ sign 6.843+/-0.001 χ^2/NDF: 422461.9/23

All: 6.942+/-0.001 χ^2/NDF: 793163.3/49

- sign 7.045+/-0.001 χ^2/NDF: 359517.1/25

diff_targ_positionX_mean vs Slug



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -9.399+/-3.255 χ^2/NDF:19.7/7

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

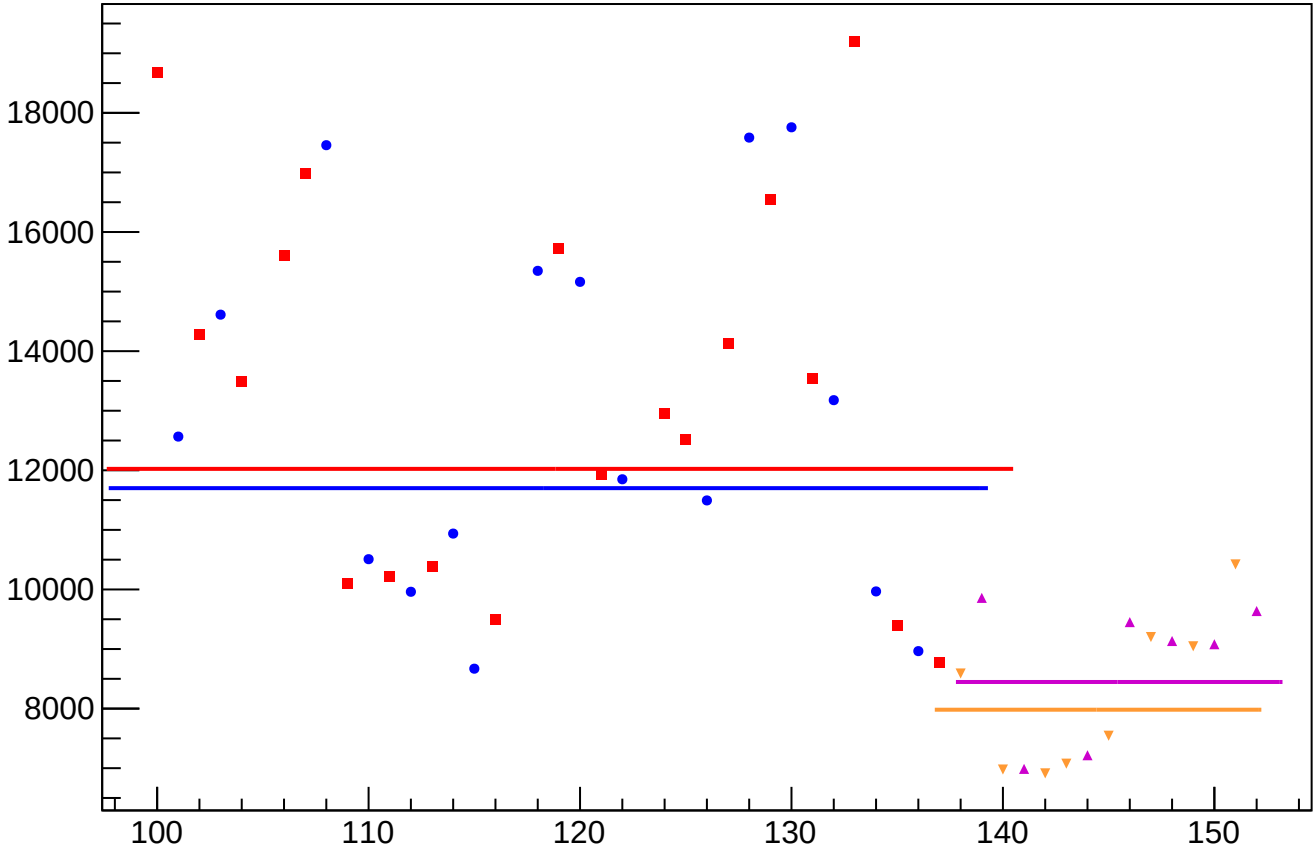
Left In: -1.135+/-3.449 χ^2/NDF:7.8/6

+ sign -8.535+/-2.635 χ^2/NDF: 42.9/23

All: -6.512+/-1.900 χ^2/NDF: 68.3/49

- sign -4.322+/-2.741 χ^2/NDF: 24.1/25

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 7981.432+/-2.301 χ^2/NDF:238411.6/7

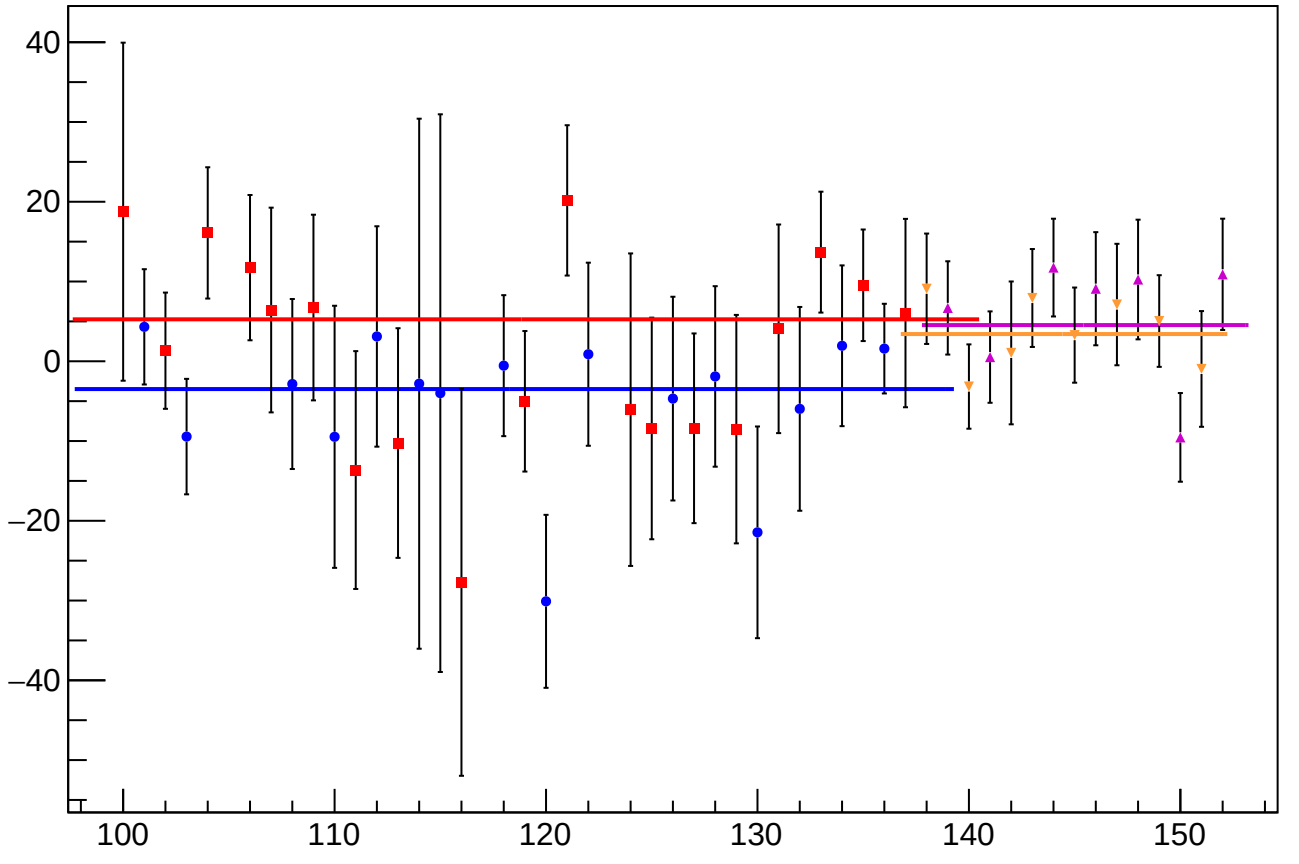
Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8446.860+/-2.439 χ^2/NDF:227838.2/6

+ sign 9263.132+/-1.863 χ^2/NDF: 1878610.4/23

All: 9503.834+/-1.343 χ^2/NDF: 3618329.7/49

- sign 9764.413+/-1.939 χ^2/NDF: 1704959.3/25



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.413+/-2.292 χ^2/NDF:3.5/7

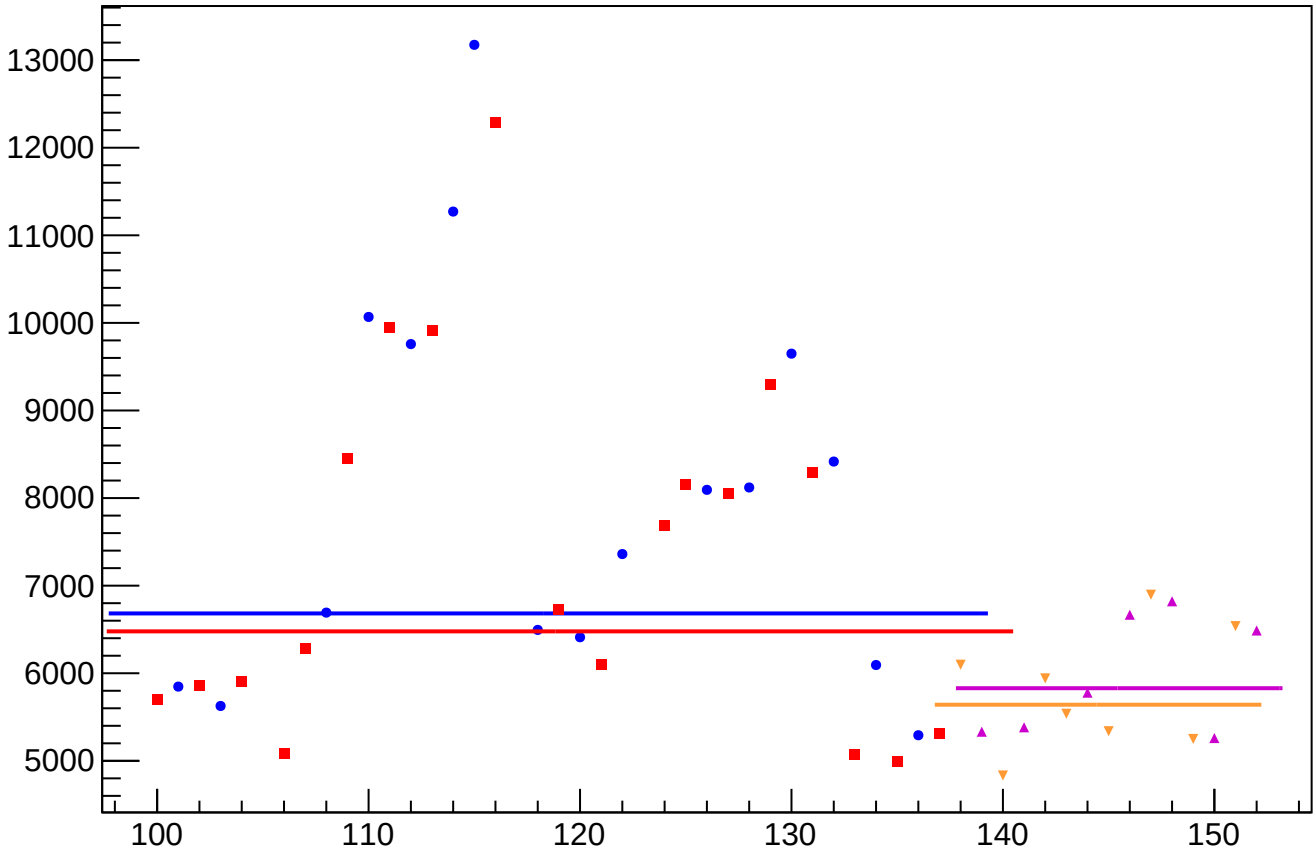
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 4.537+/-2.378 χ^2/NDF:10.2/6

+ sign 0.330+/-1.705 χ^2/NDF: 19.1/23

All: 2.608+/-1.206 χ^2/NDF: 49.5/49

- sign 4.888+/-1.705 χ^2/NDF: 26.9/25



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5640.848+/-1.621 χ^2/NDF:157637.3/7

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

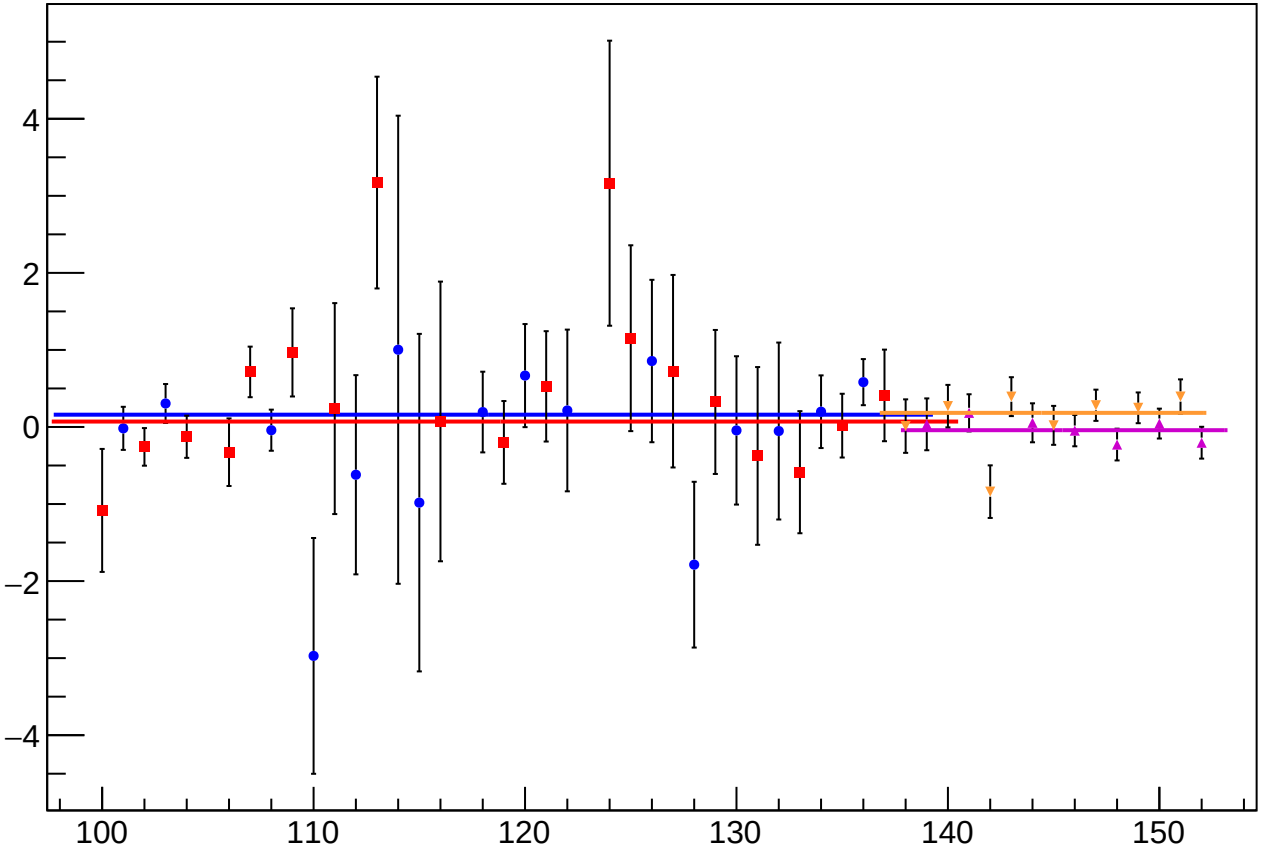
Left In: 5829.179+/-1.681 χ^2/NDF:128466.4/6

+ sign 6106.684+/-1.205 χ^2/NDF: 1034615.7/23

All: 6125.549+/-0.852 χ^2/NDF: 2075170.8/49

- sign 6144.423+/-1.206 χ^2/NDF: 1040065.1/25

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.183+/-0.087 χ^2/NDF:11.7/7

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

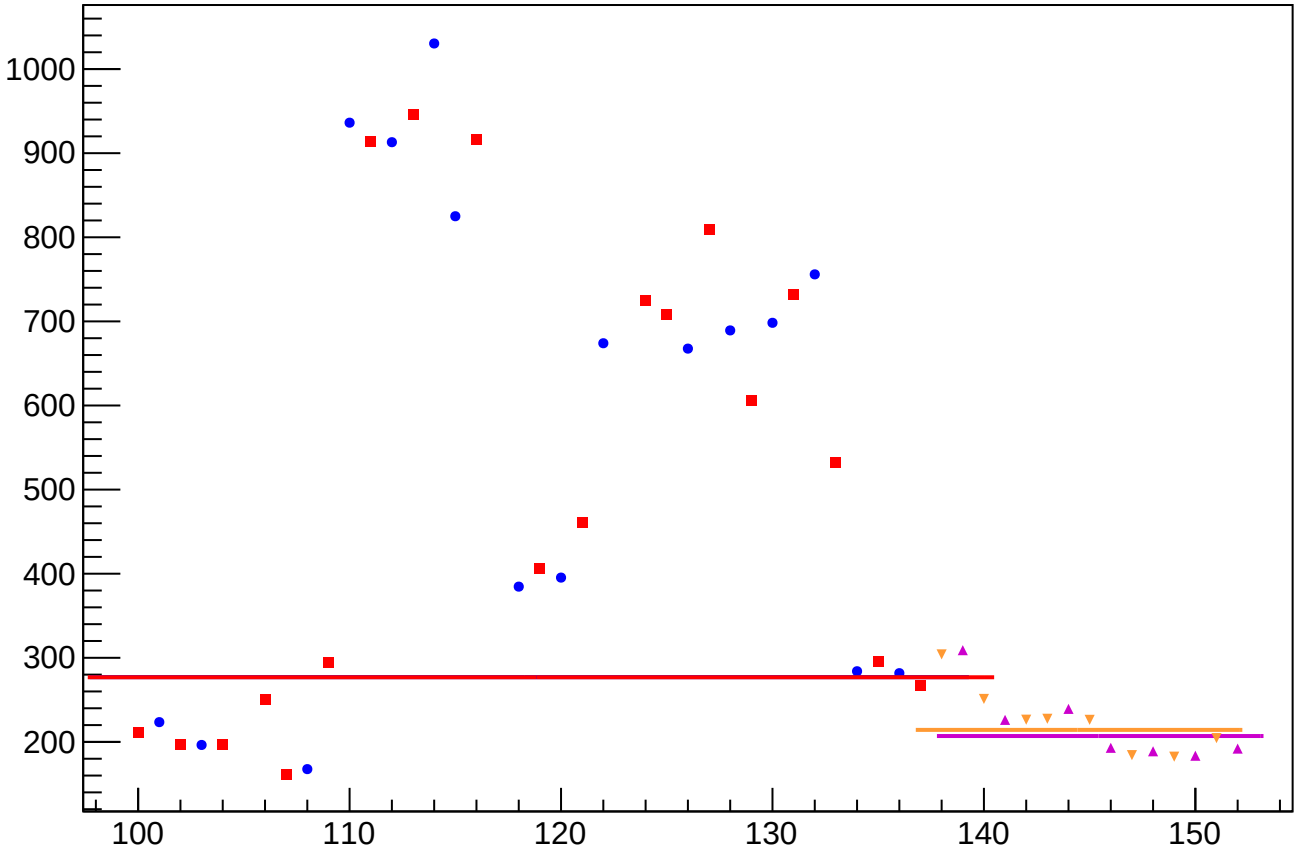
Left In: -0.042+/-0.085 χ^2/NDF:2.7/6

+ sign 0.175+/-0.071 χ^2/NDF: 24.3/23

All: 0.084+/-0.049 χ^2/NDF: 53.3/49

- sign -0.004+/-0.069 χ^2/NDF: 25.7/25

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 214.304+/-0.062 χ^2/NDF:280550.8/7

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

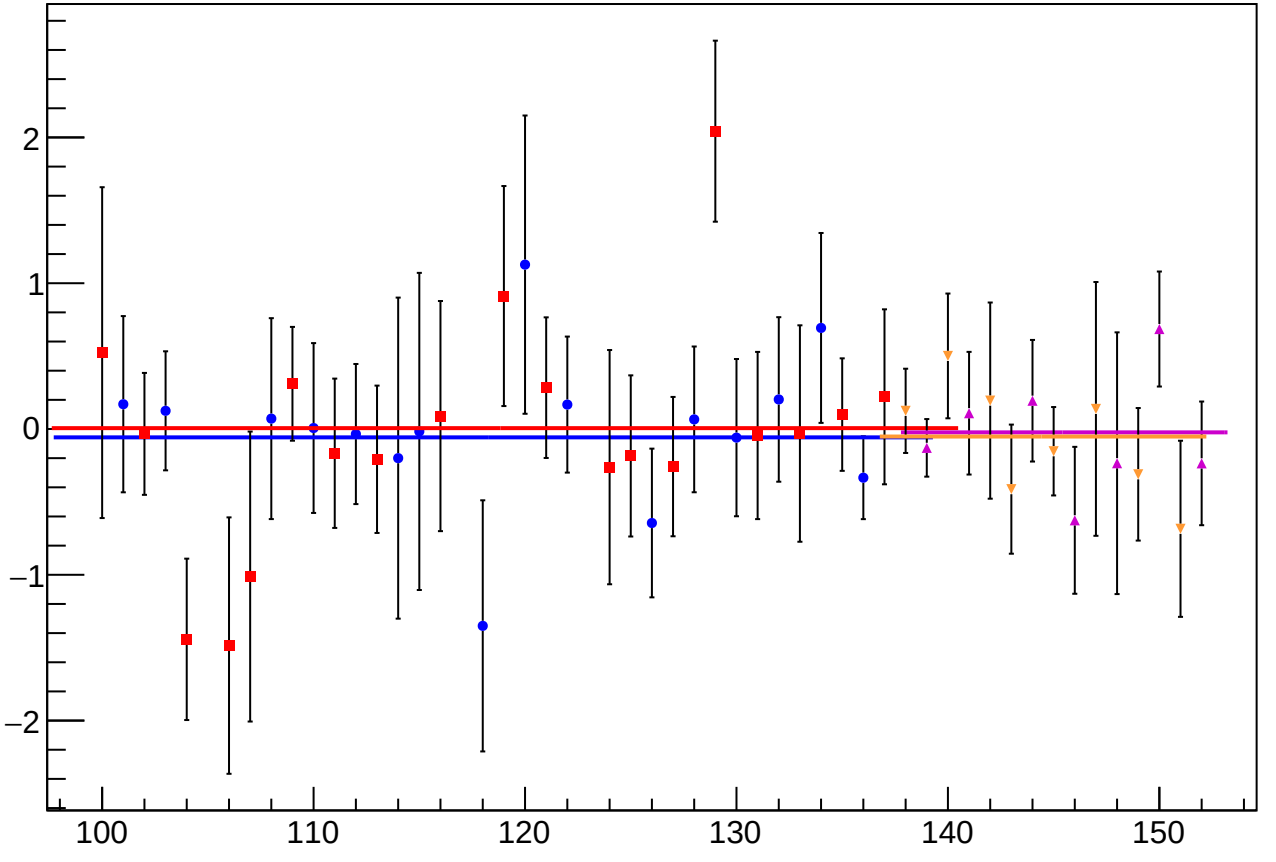
Left In: 206.993+/-0.060 χ^2/NDF:294030.6/6

+ sign 236.141+/-0.050 χ^2/NDF: 4089625.3/23

All: 233.165+/-0.035 χ^2/NDF: 8416344.8/49

- sign 230.308+/-0.049 χ^2/NDF: 4319749.4/25

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: -0.052+/-0.150 χ^2/NDF:4.4/7

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

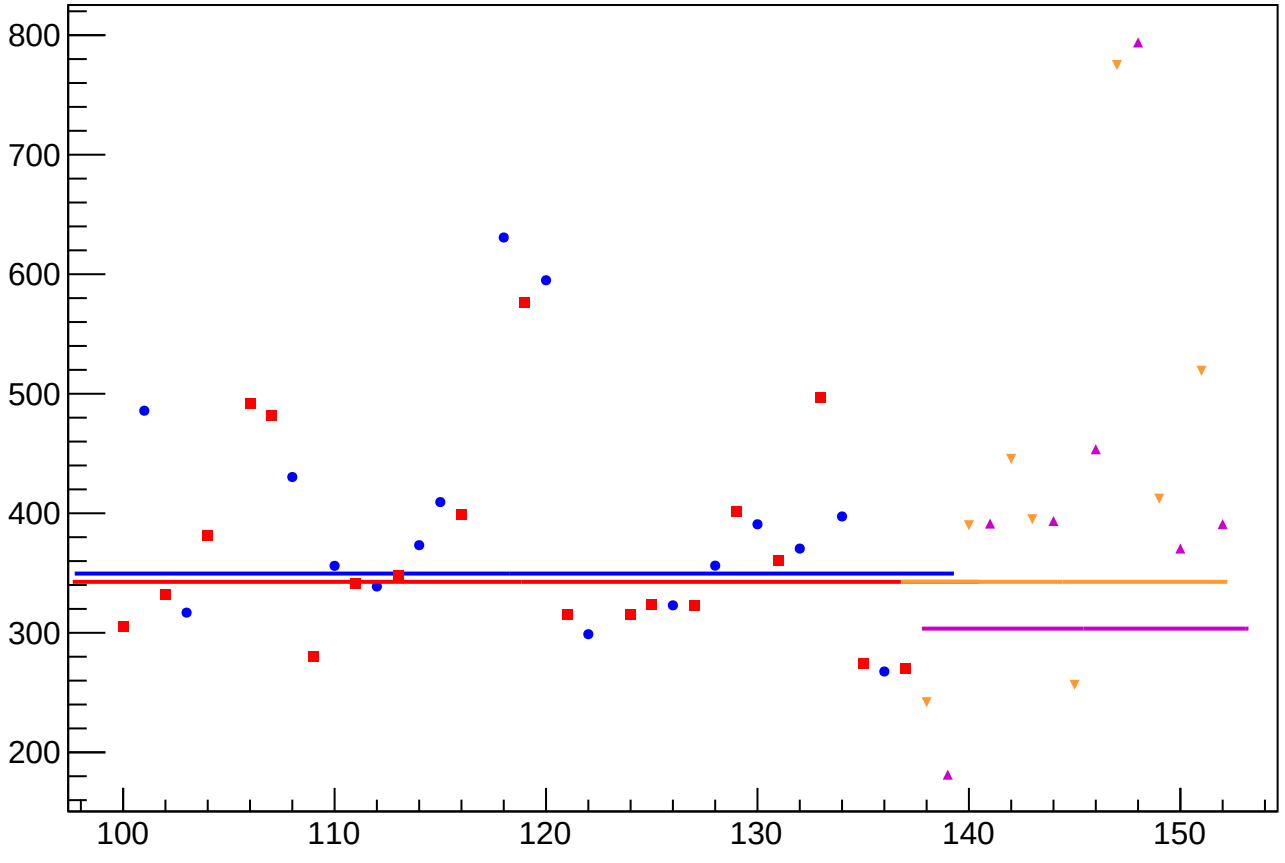
Left In: -0.023+/-0.136 χ^2/NDF:5.6/6

+ sign -0.055+/-0.100 χ^2/NDF: 12.5/23

All: -0.030+/-0.068 χ^2/NDF: 43.5/49

- sign -0.008+/-0.094 χ^2/NDF: 30.8/25

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 342.641+/-0.106 χ^2/NDF:1215043.8/7

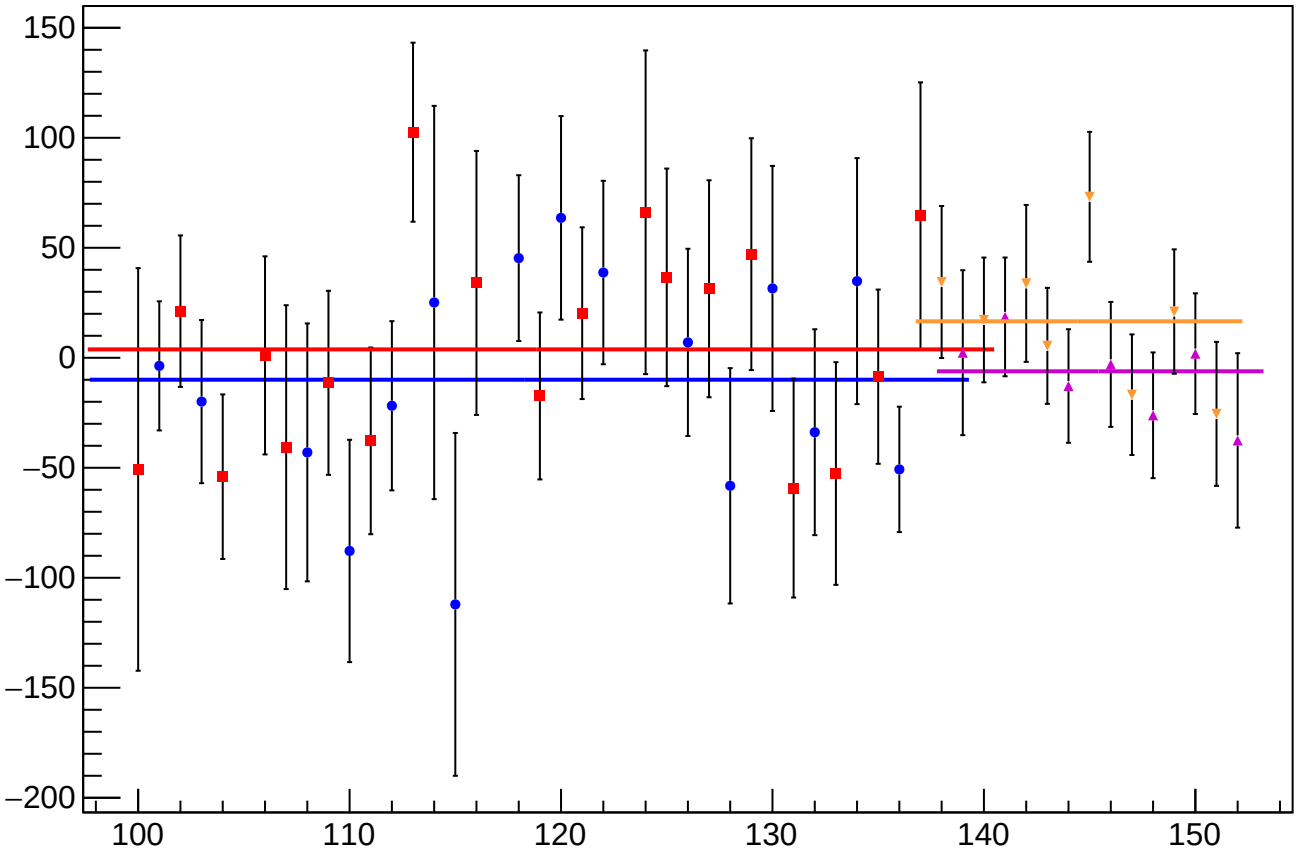
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 303.509+/-0.096 χ^2/NDF:1862573.2/6

+ sign 346.491+/-0.071 χ^2/NDF: 1916720.2/23

All: 334.565+/-0.048 χ^2/NDF: 4495986.8/49

- sign 324.096+/-0.066 χ^2/NDF: 2525649.4/25



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 16.585+/-10.559 χ^2/NDF:7.5/7

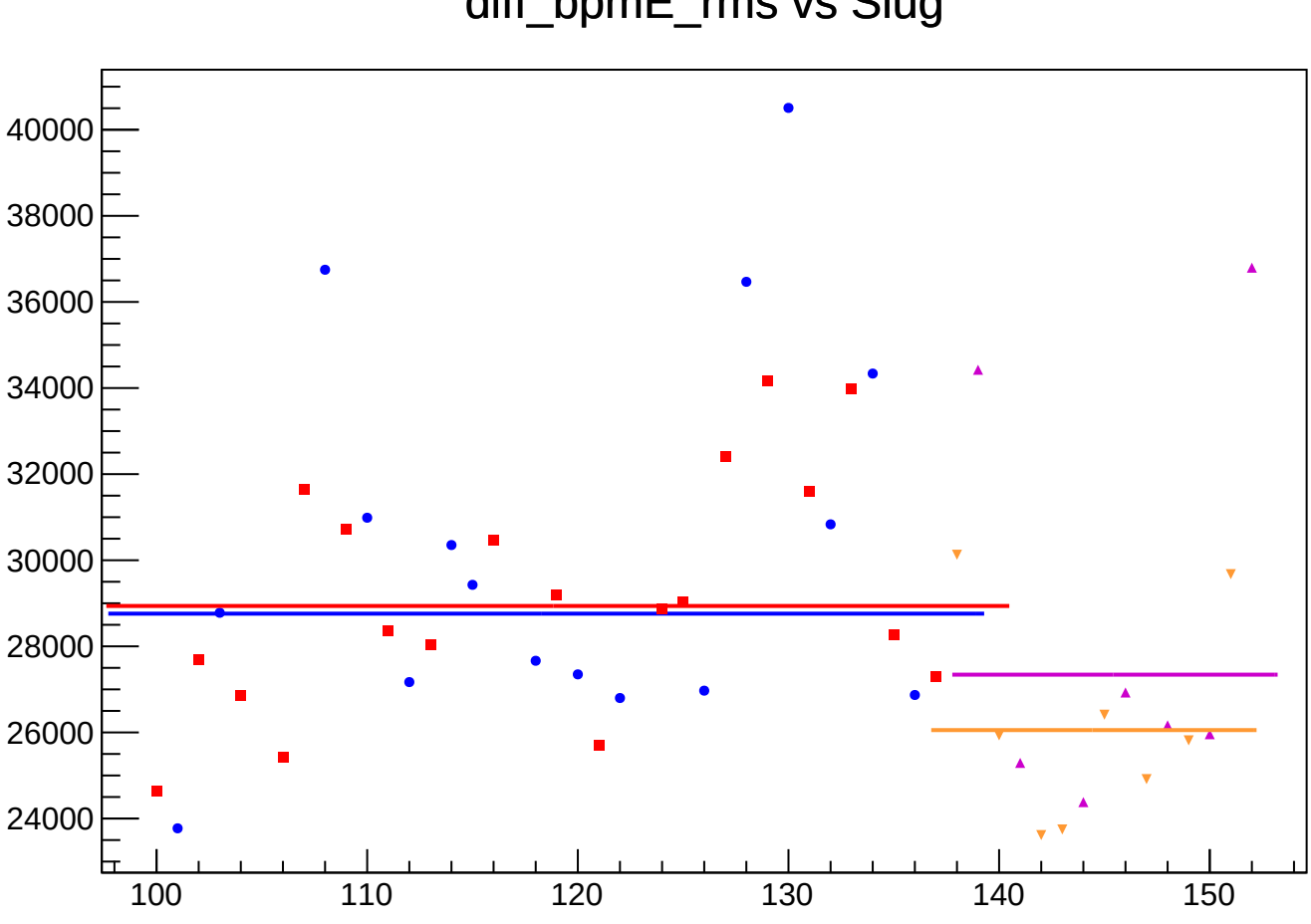
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -6.144+/-11.170 χ^2/NDF:2.2/6

+ sign 3.652+/-7.563 χ^2/NDF: 25.9/23

All: 1.407+/-5.396 χ^2/NDF: 45.9/49

- sign -0.922+/-7.703 χ^2/NDF: 19.9/25



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26054.212+/-7.466 χ^2/NDF:80901.4/7

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

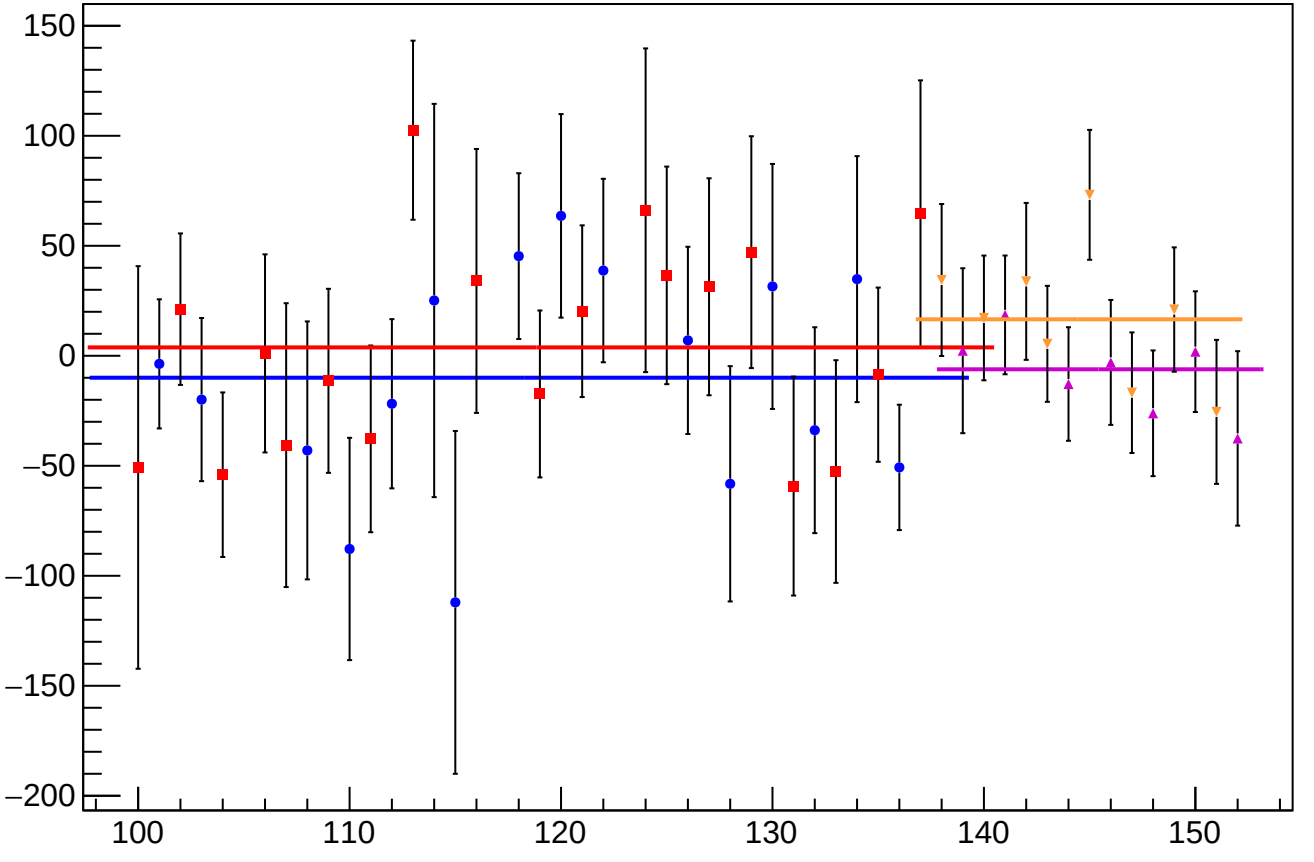
Left In: 27342.019+/-7.898 χ^2/NDF:231846.7/6

+ sign 27371.621+/-5.348 χ^2/NDF: 422461.9/23

All: 27767.823+/-3.816 χ^2/NDF: 793163.3/49

- sign 28178.846+/-5.447 χ^2/NDF: 359517.1/25

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 16.585+/-10.559 χ^2/NDF:7.5/7

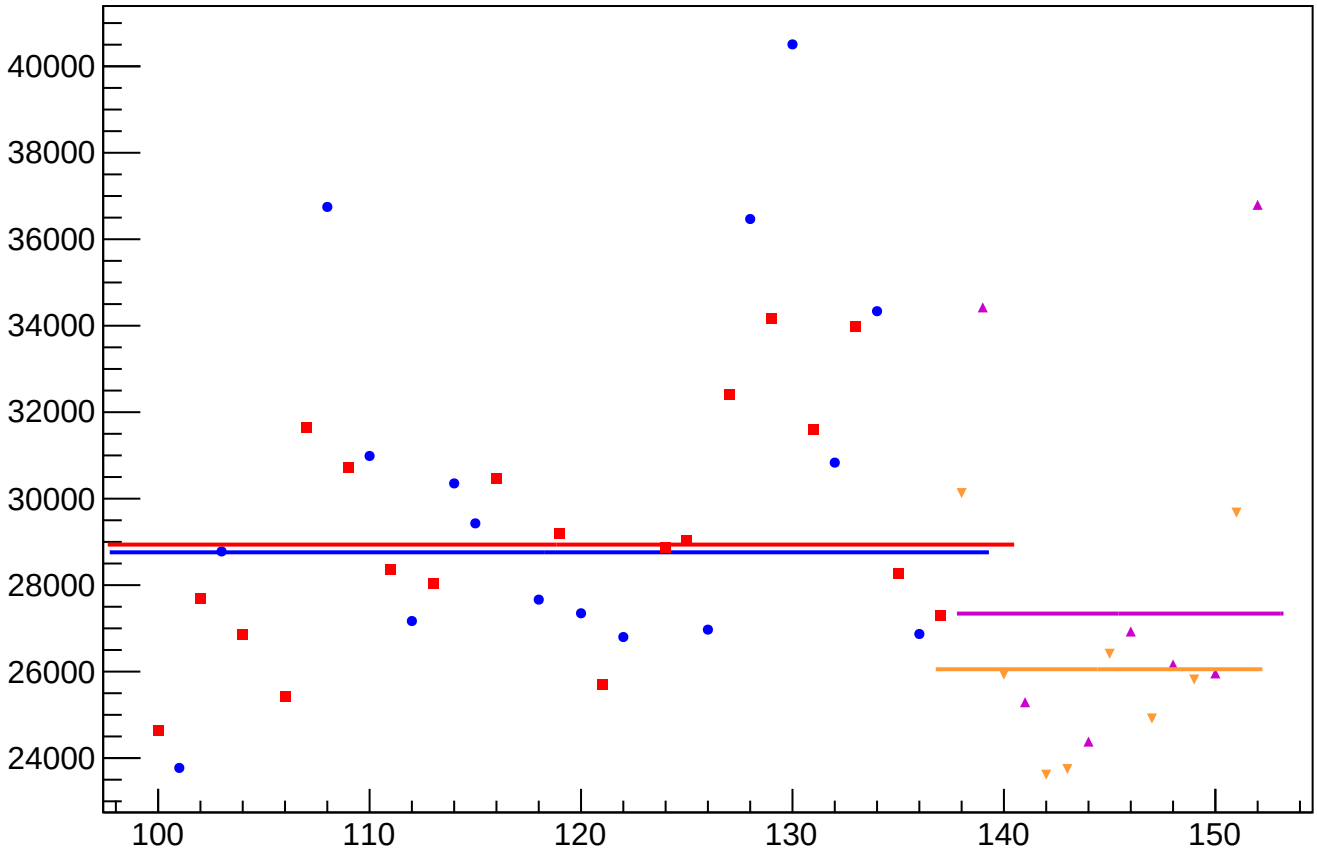
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -6.144+/-11.170 χ^2/NDF:2.2/6

\+ sign 3.652+/-7.563 χ^2/NDF: 25.9/23

All: 1.407+/-5.396 χ^2/NDF: 45.9/49

\- sign -0.922+/-7.703 χ^2/NDF: 19.9/25



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26054.212+/-7.466 χ^2/NDF:80901.4/7

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

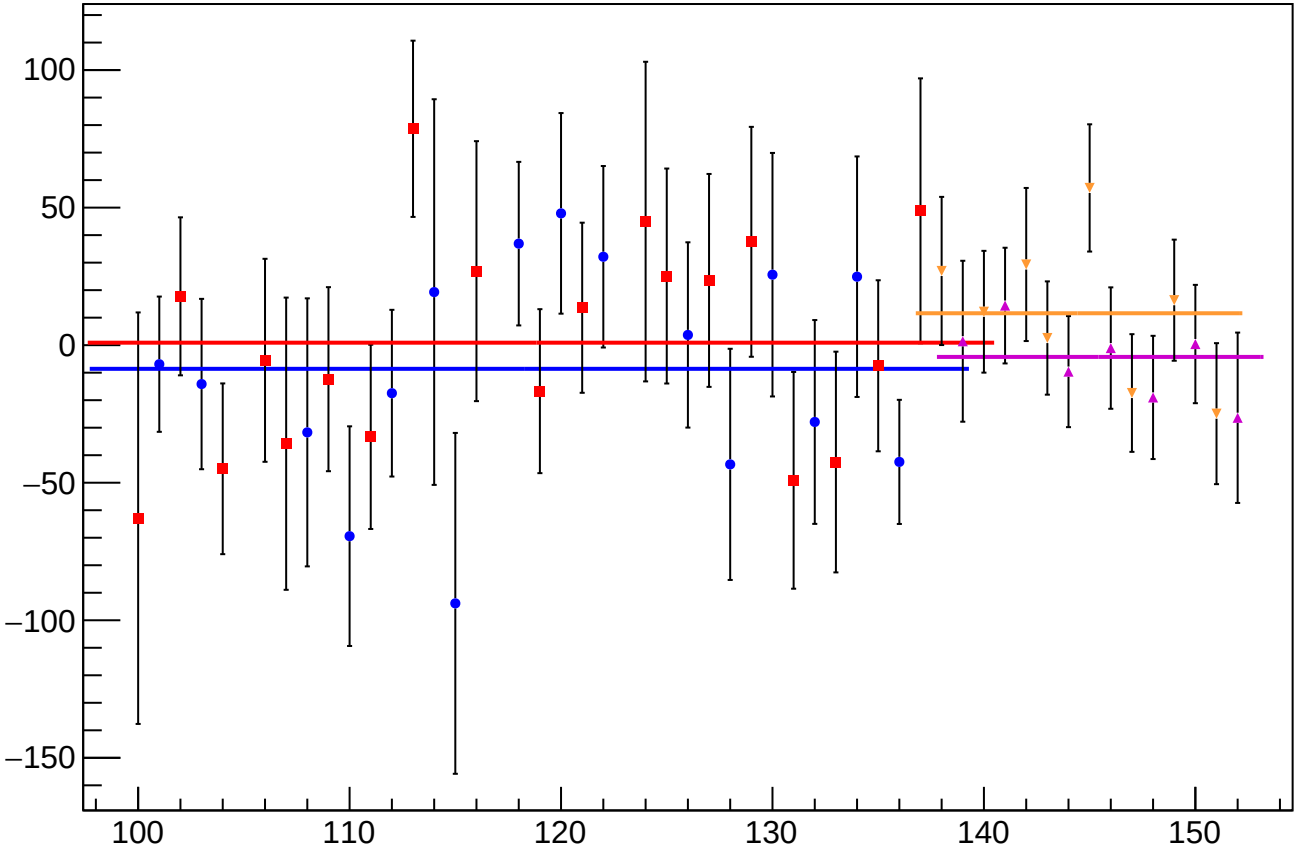
Left In: 27342.019+/-7.898 χ^2/NDF:231846.7/6

+ sign 27371.621+/-5.348 χ^2/NDF: 422461.9/23

All: 27767.823+/-3.816 χ^2/NDF: 793163.3/49

- sign 28178.846+/-5.447 χ^2/NDF: 359517.1/25

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 11.600+/-8.244 χ^2/NDF:8.7/7

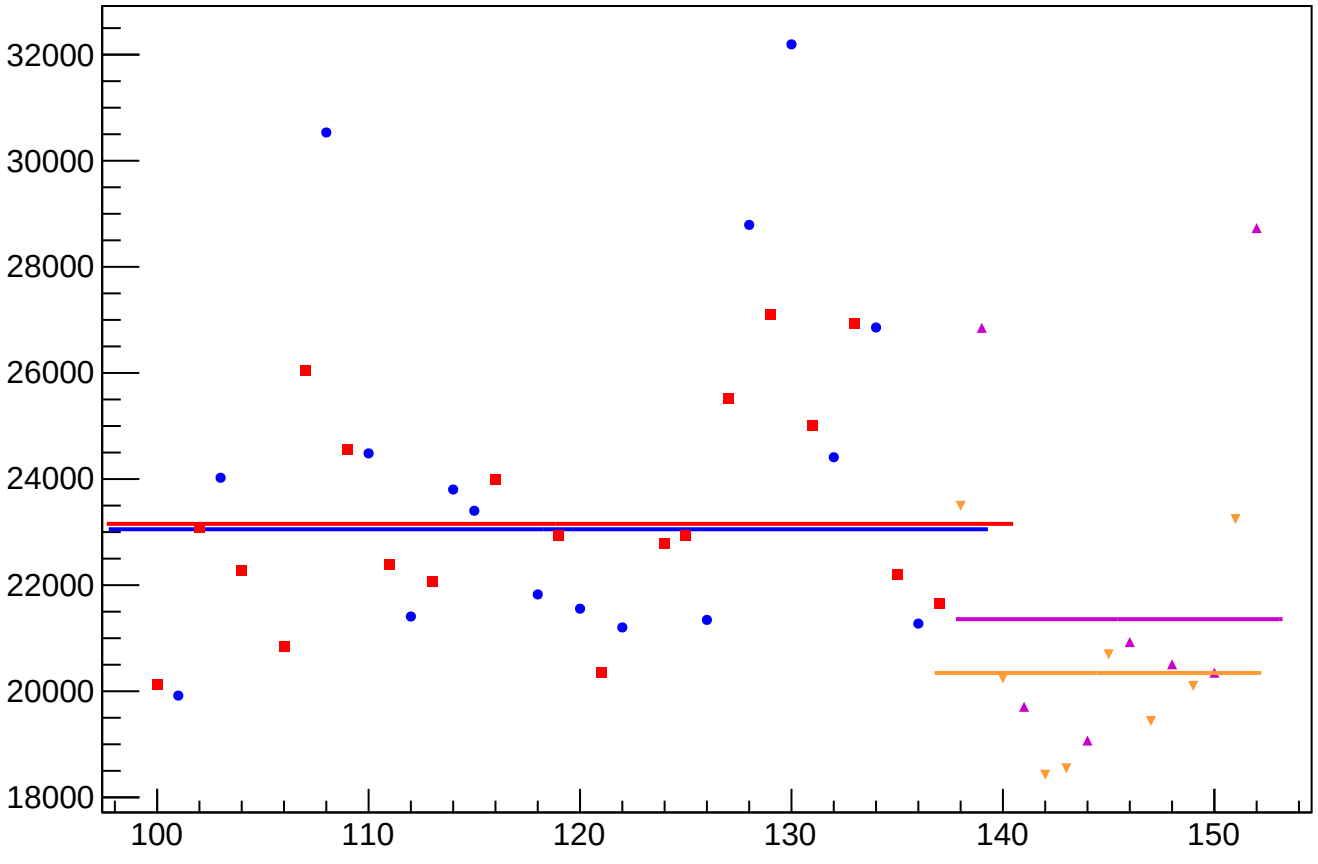
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -4.268+/-8.725 χ^2/NDF:1.9/6

+ sign 2.018+/-5.977 χ^2/NDF: 27.1/23

All: 0.235+/-4.266 χ^2/NDF: 46.9/49

- sign -1.616+/-6.091 χ^2/NDF: 19.7/25



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 20345.123+/-5.830 χ^2/NDF:82085.0/7

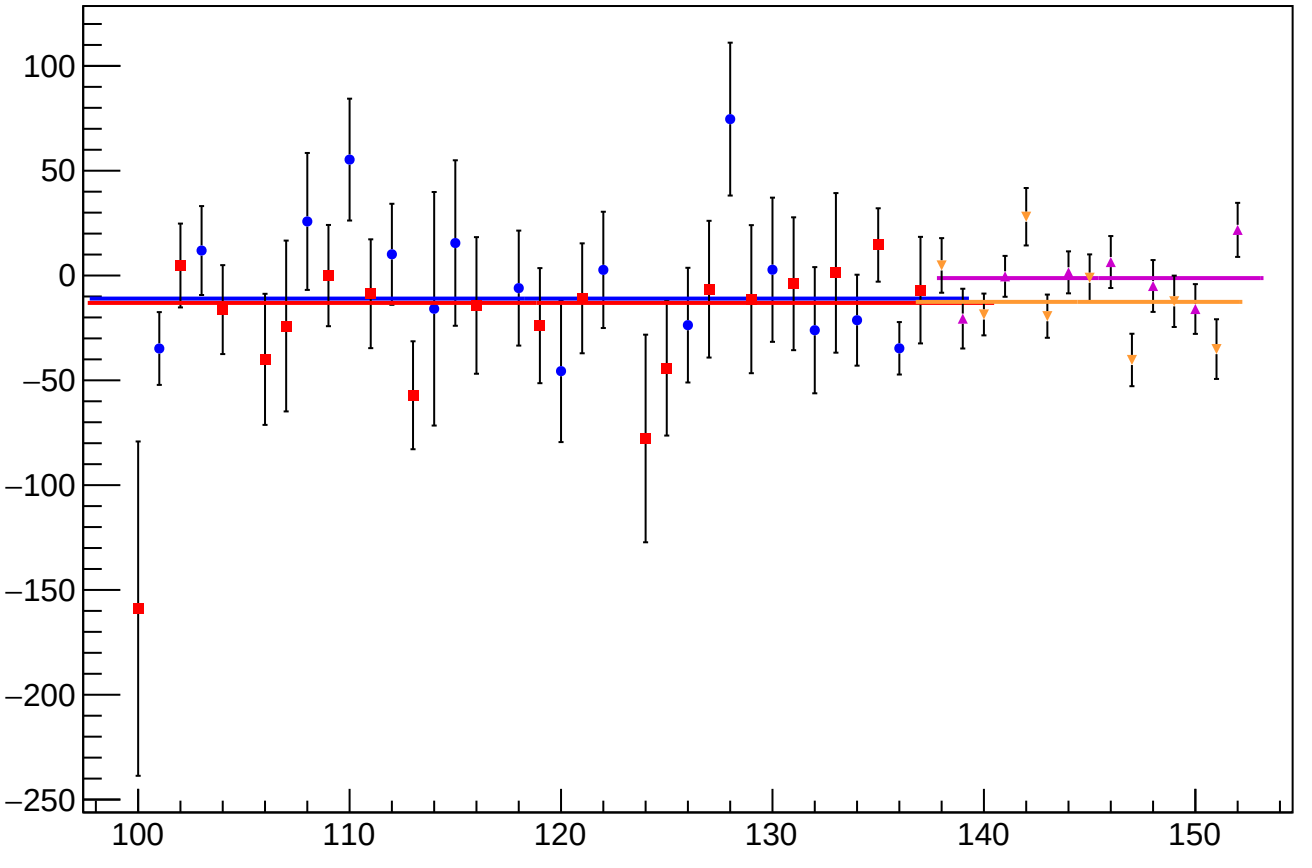
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 21359.142+/-6.170 χ^2/NDF:229938.3/6

+ sign 21630.089+/-4.227 χ^2/NDF: 445948.3/23

All: 21948.965+/-3.017 χ^2/NDF: 824837.2/49

- sign 22280.053+/-4.307 χ^2/NDF: 367286.7/25



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -12.571+/-4.199 χ^2/NDF:19.8/7

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

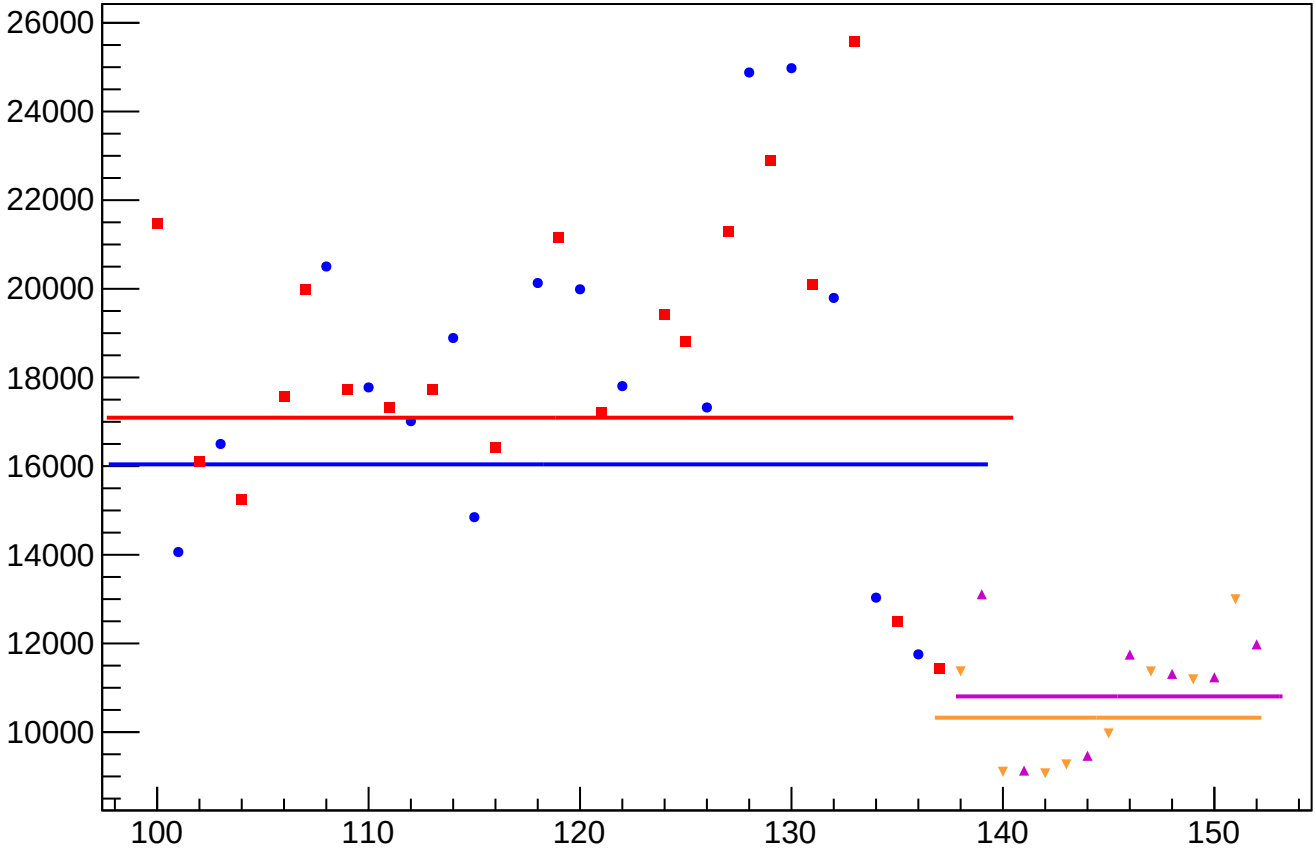
Left In: -1.229+/-4.404 χ^2/NDF:7.1/6

+ sign -12.073+/-3.468 χ^2/NDF: 41.9/23

All: -8.716+/-2.506 χ^2/NDF: 67.2/49

- sign -5.049+/-3.625 χ^2/NDF: 23.3/25

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10325.414+/-2.969 χ^2/NDF:176768.2/7

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

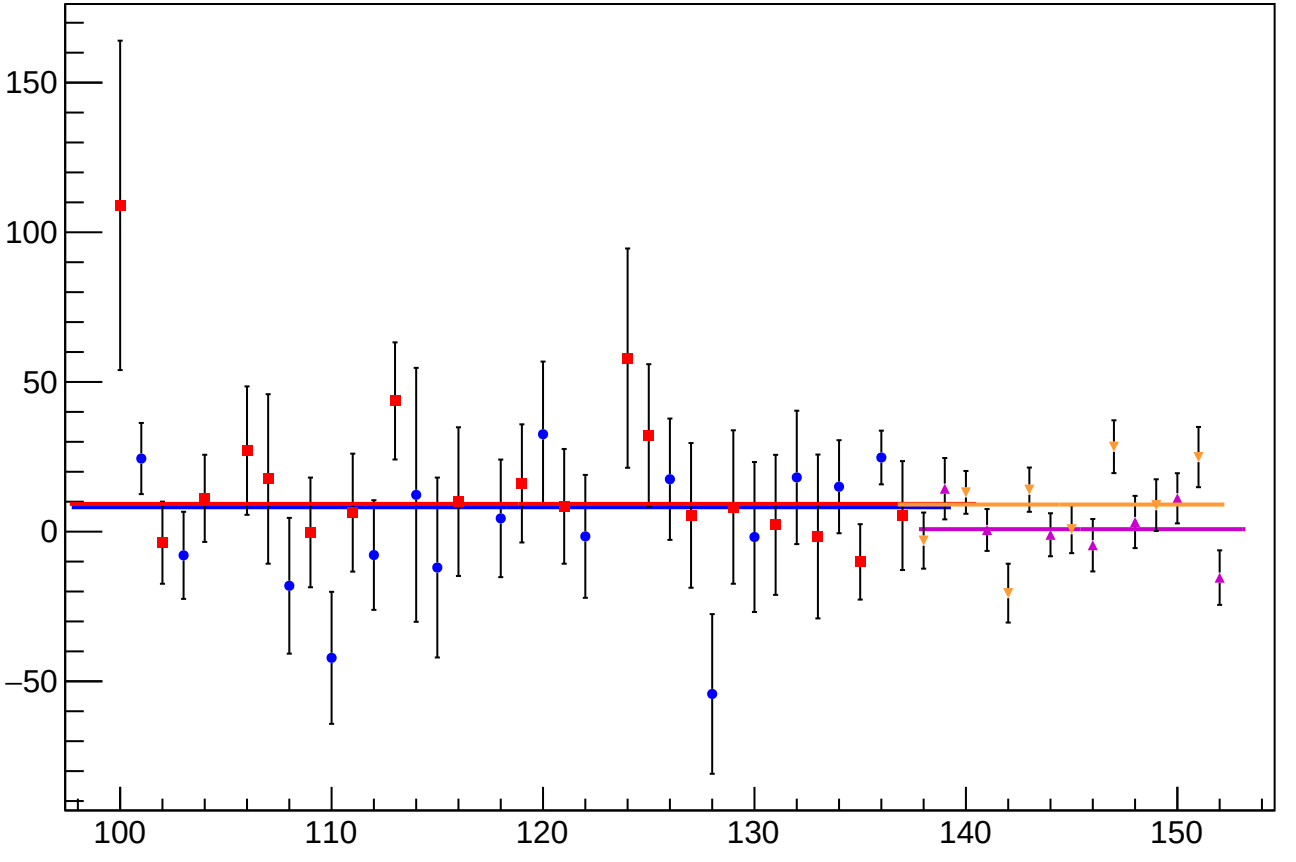
Left In: 10805.481+/-3.114 χ^2/NDF:181021.2/6

+ sign 12140.178+/-2.453 χ^2/NDF: 2076044.0/23

All: 12471.723+/-1.772 χ^2/NDF: 4145605.5/4

- sign 12833.849+/-2.563 χ^2/NDF: 2031327.3/25

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 9.055+/-2.997 χ^2/NDF:19.8/7

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

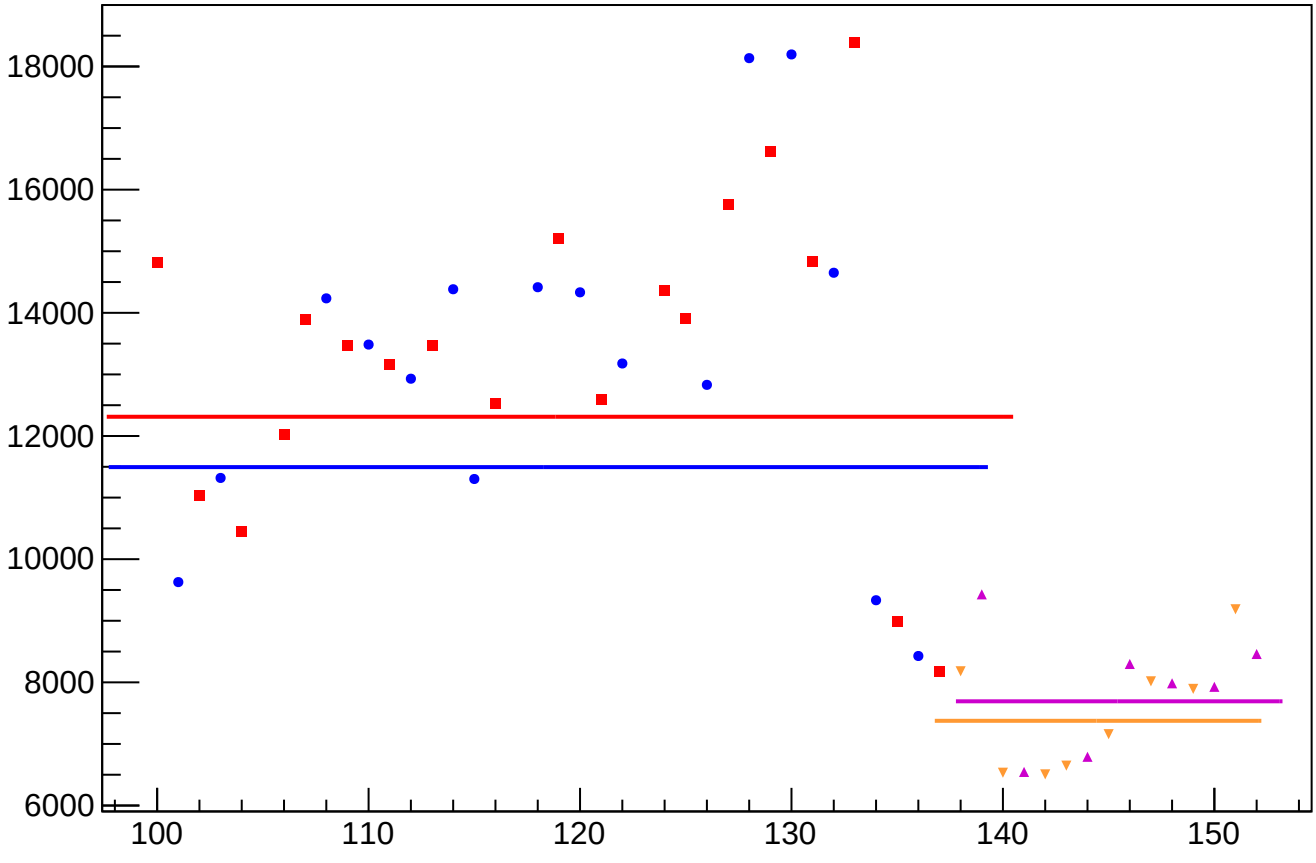
Left In: 0.827+/-3.134 χ^2/NDF:6.9/6

+ sign 8.770+/-2.481 χ^2/NDF: 41.6/23

All: 6.249+/-1.792 χ^2/NDF: 66.9/49

- sign 3.498+/-2.591 χ^2/NDF: 23.1/25

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7375.668+/-2.119 χ^2/NDF:161551.8/7

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

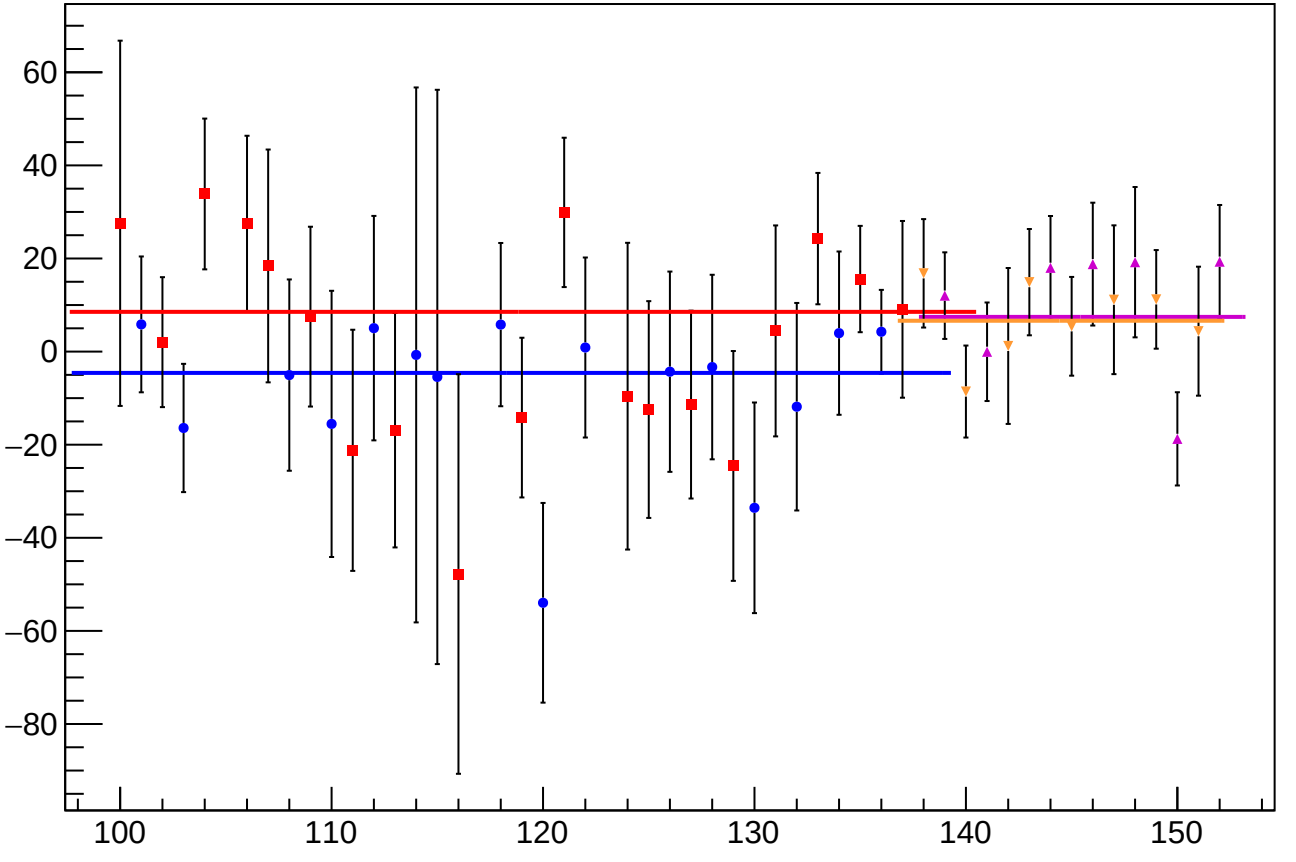
Left In: 7692.208+/-2.216 χ^2/NDF:170257.0/6

+ sign 8671.920+/-1.754 χ^2/NDF: 2140513.9/23

All: 8902.410+/-1.267 χ^2/NDF: 4320742.3/49

- sign 9153.844+/-1.832 χ^2/NDF: 2144137.5/25

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.625+/-4.234 χ^2/NDF:4.1/7

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

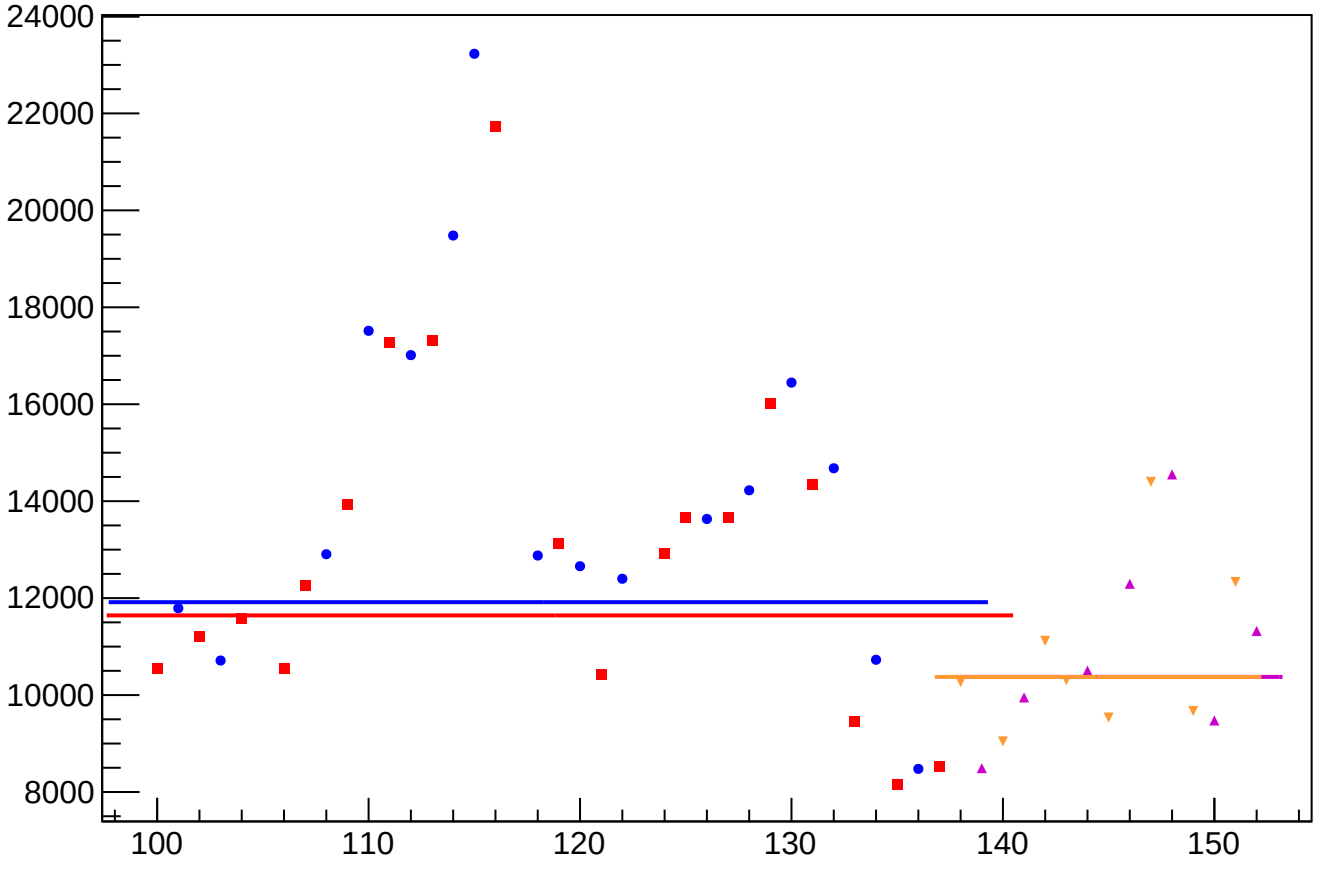
Left In: 7.455+/-4.270 χ^2/NDF:10.7/6

+ sign 1.430+/-3.101 χ^2/NDF: 17.6/23

All: 4.747+/-2.179 χ^2/NDF: 47.7/49

- sign 7.981+/-3.062 χ^2/NDF: 27.9/25

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10373.983+/-2.994 χ^2/NDF:228584.5/7

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

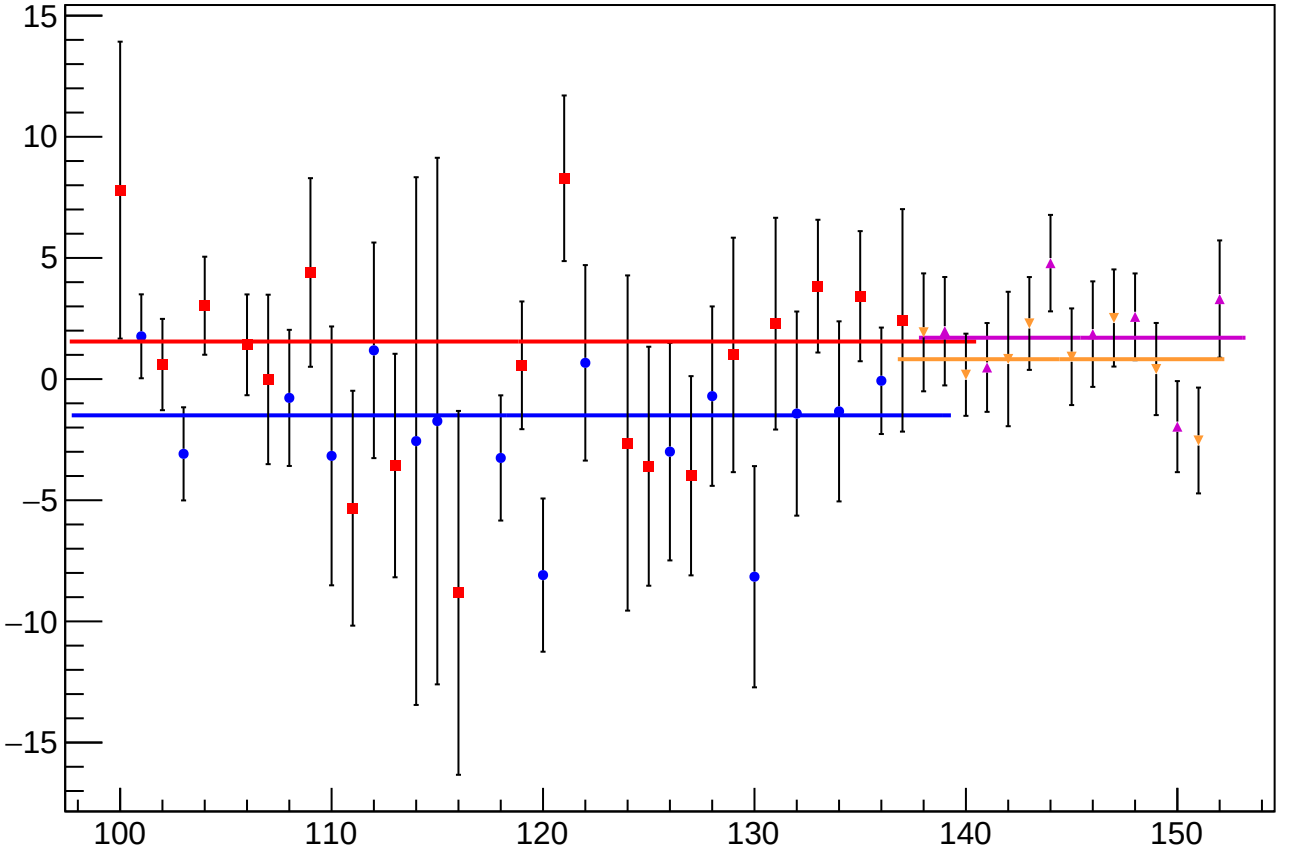
Left In: 10374.625+/-3.019 χ^2/NDF:289867.7/6

+ sign 11089.126+/-2.193 χ^2/NDF: 1101400.3/23

All: 11039.532+/-1.541 χ^2/NDF: 2268468.8/4

- sign 10991.189+/-2.165 χ^2/NDF: 1166058.2/25

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 0.821+/-0.724 χ^2/NDF:4.1/7

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

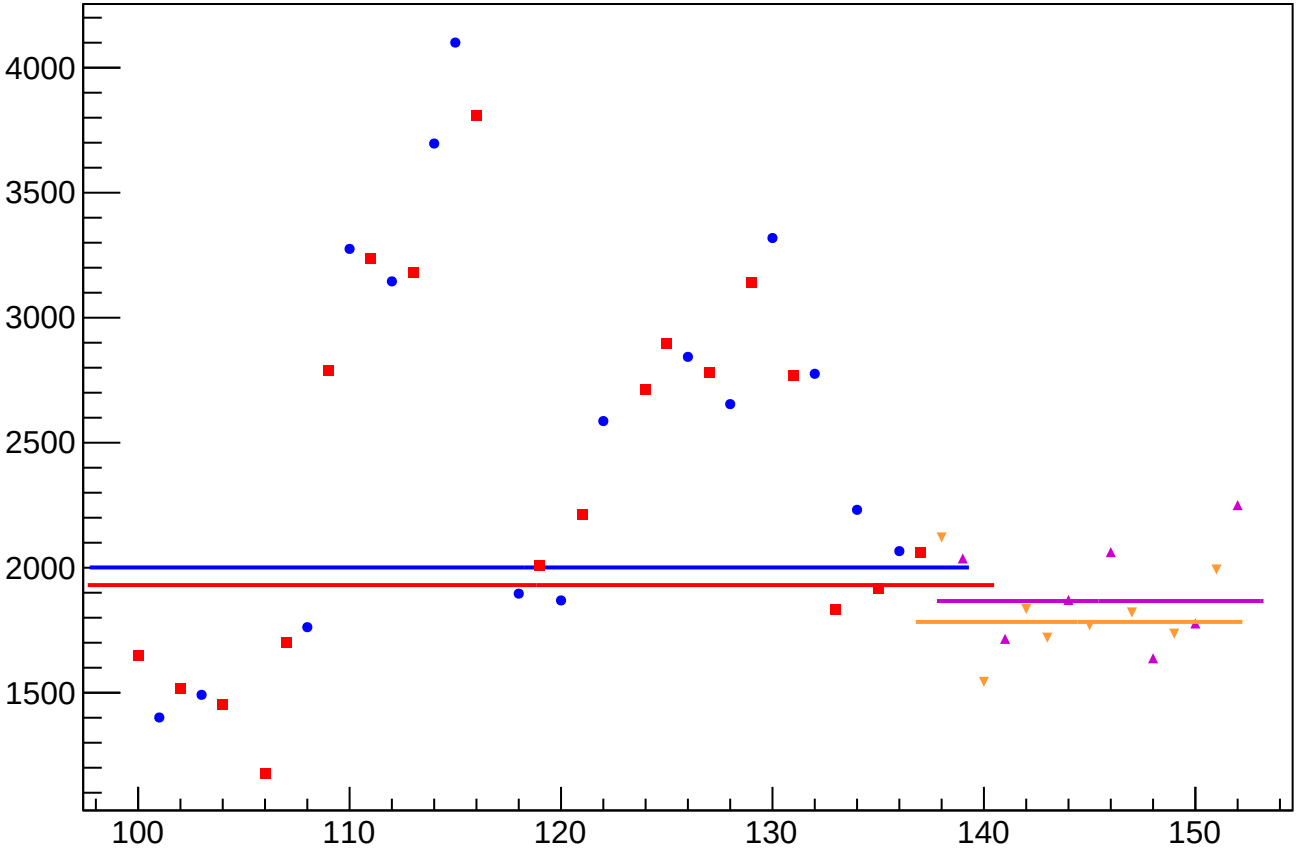
Left In: 1.707+/-0.761 χ^2/NDF:7.3/6

+ sign -0.255+/-0.530 χ^2/NDF: 21.4/23

All: 0.683+/-0.376 χ^2/NDF: 51.3/49

- sign 1.627+/-0.532 χ^2/NDF: 23.6/25

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1783.265+/-0.512 χ^2/NDF:101859.2/7

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

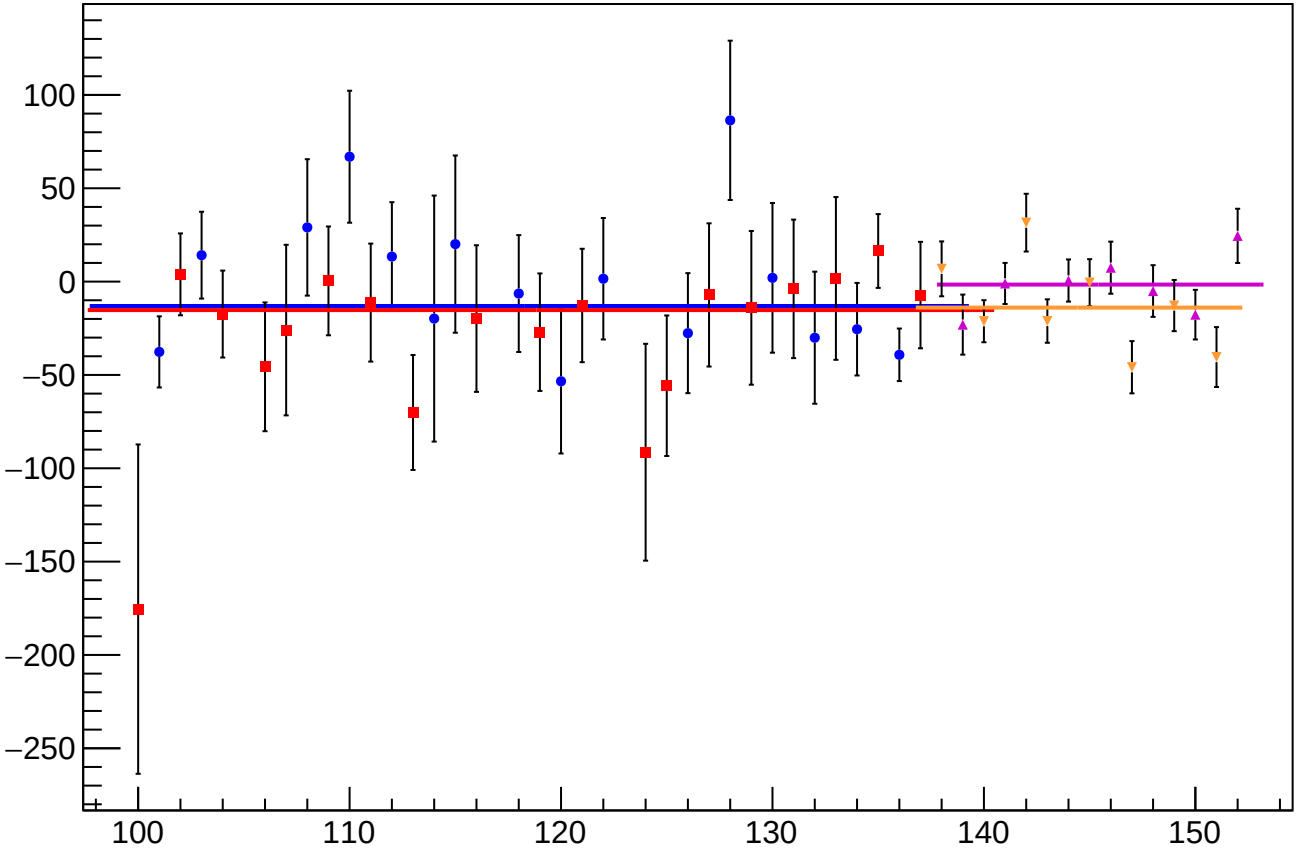
Left In: 1866.743+/-0.538 χ^2/NDF:128813.8/6

+ sign 1884.343+/-0.375 χ^2/NDF: 1375519.1/23

All: 1891.788+/-0.266 χ^2/NDF: 2915834.2/49

- sign 1899.289+/-0.376 χ^2/NDF: 1539523.6/25

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -13.922+/-4.729 χ^2/NDF:20.5/7

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

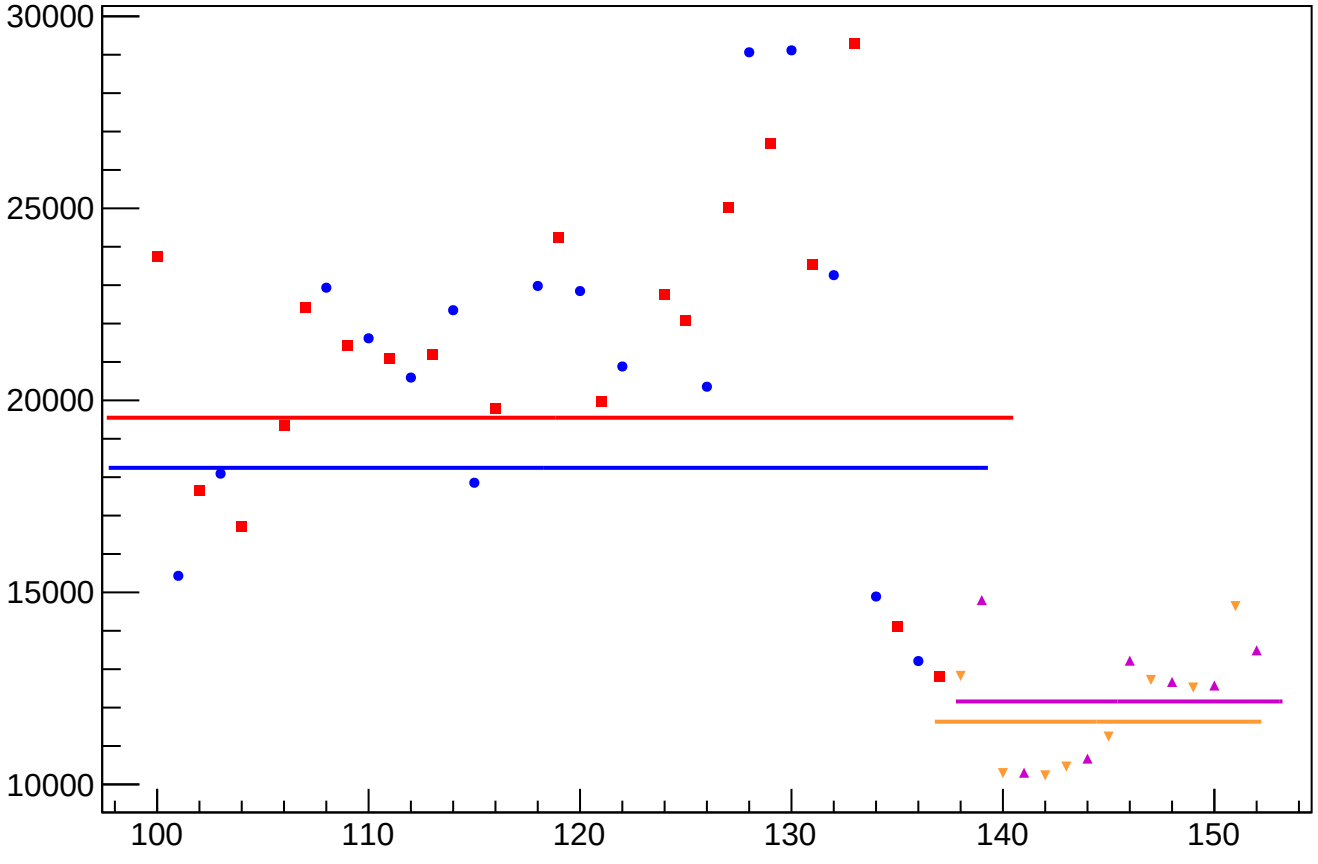
Left In: -1.590+/-4.956 χ^2/NDF:7.0/6

+ sign -13.655+/-3.923 χ^2/NDF: 42.4/23

All: -9.945+/-2.836 χ^2/NDF: 68.0/49

- sign -5.884+/-4.104 χ^2/NDF: 23.7/25

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11633.126+/-3.344 χ^2/NDF:170703.7/7

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

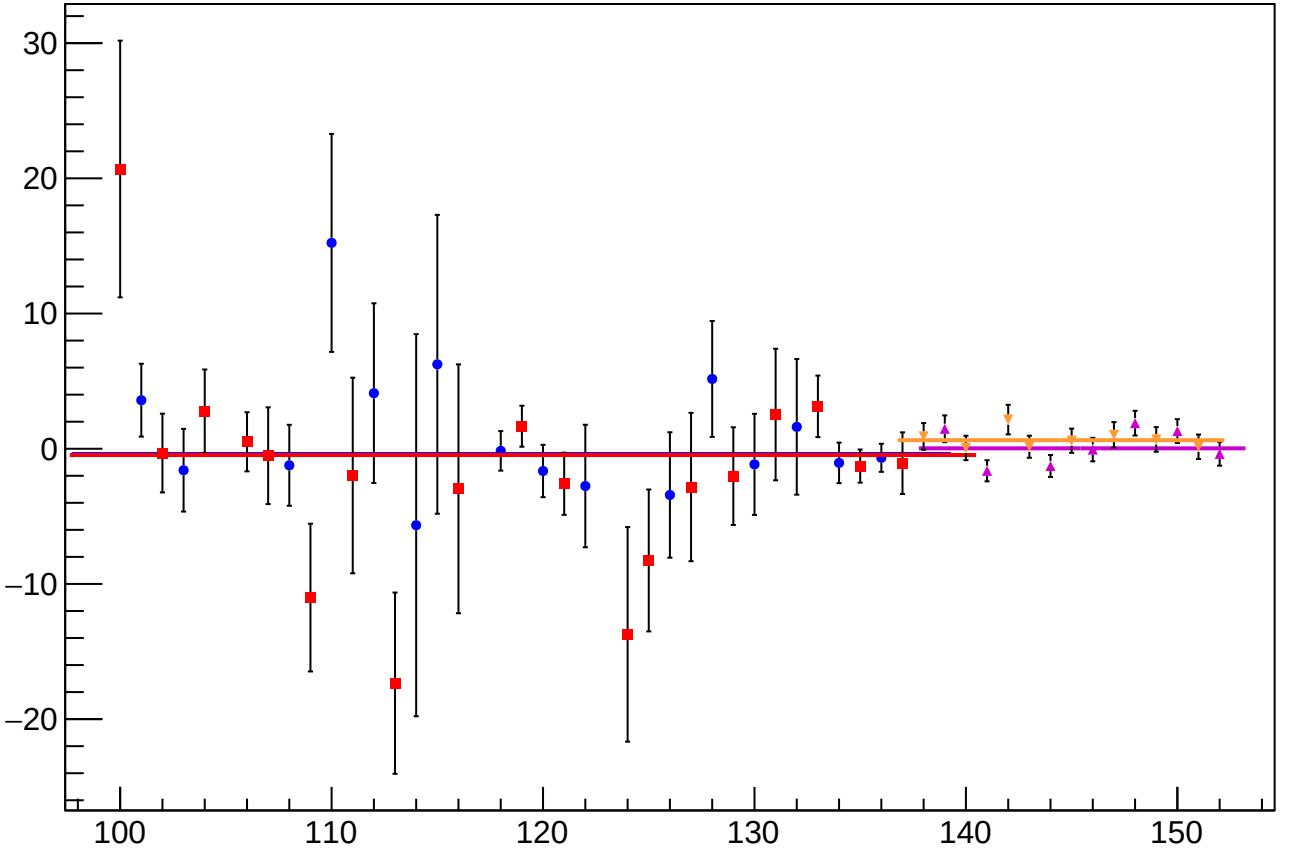
Left In: 12160.003+/-3.505 χ^2/NDF:178403.0/6

+ sign 13693.913+/-2.774 χ^2/NDF: 2208789.1/23

All: 14070.261+/-2.005 χ^2/NDF: 4444373.1/4

- sign 14482.114+/-2.902 χ^2/NDF: 2197038.3/25

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.633+/-0.326 χ^2/NDF:3.3/7

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

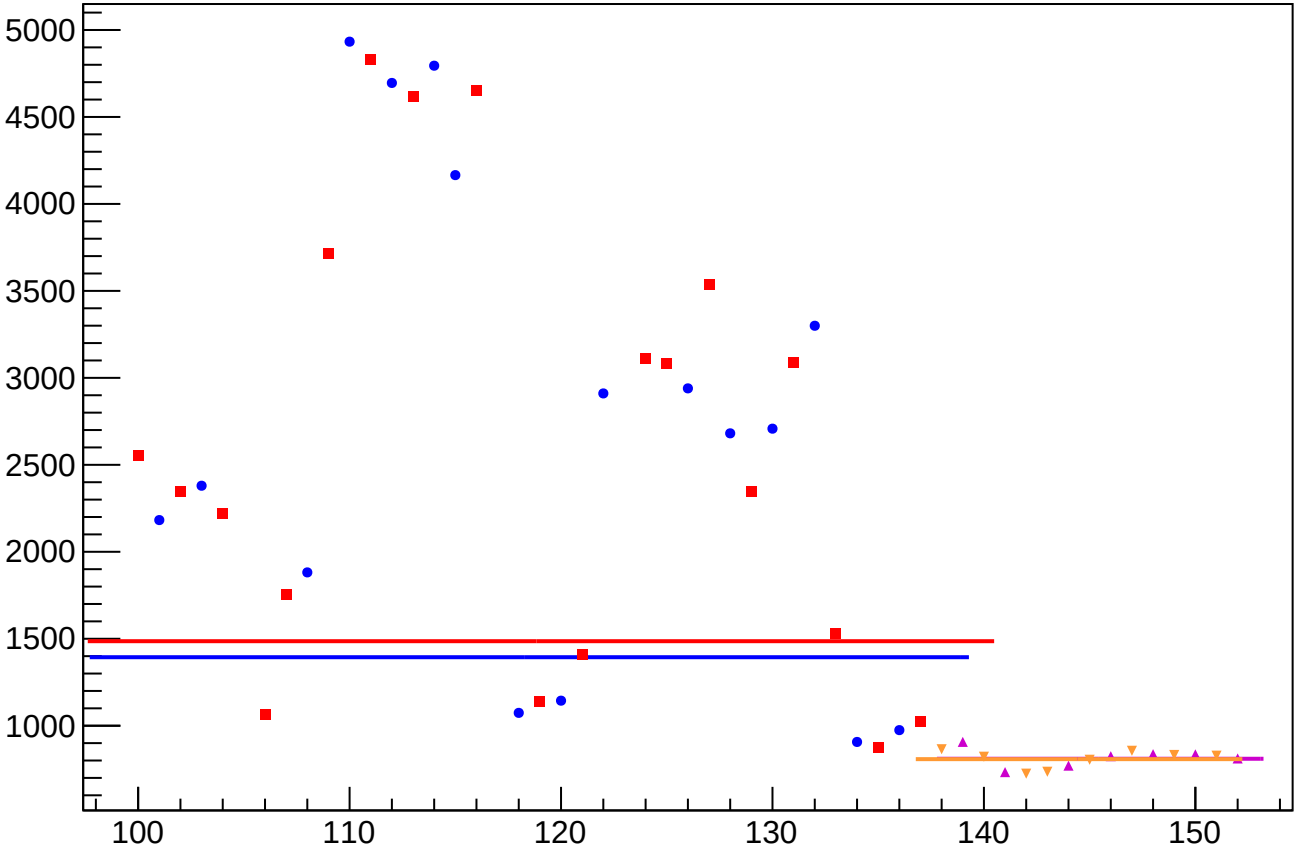
Left In: 0.029+/-0.328 χ^2/NDF:15.7/6

+ sign 0.399+/-0.286 χ^2/NDF: 15.9/23

All: 0.166+/-0.204 χ^2/NDF: 61.5/49

- sign -0.075+/-0.291 χ^2/NDF: 44.3/25

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 807.887+/-0.230 χ^2/NDF:42218.5/7

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

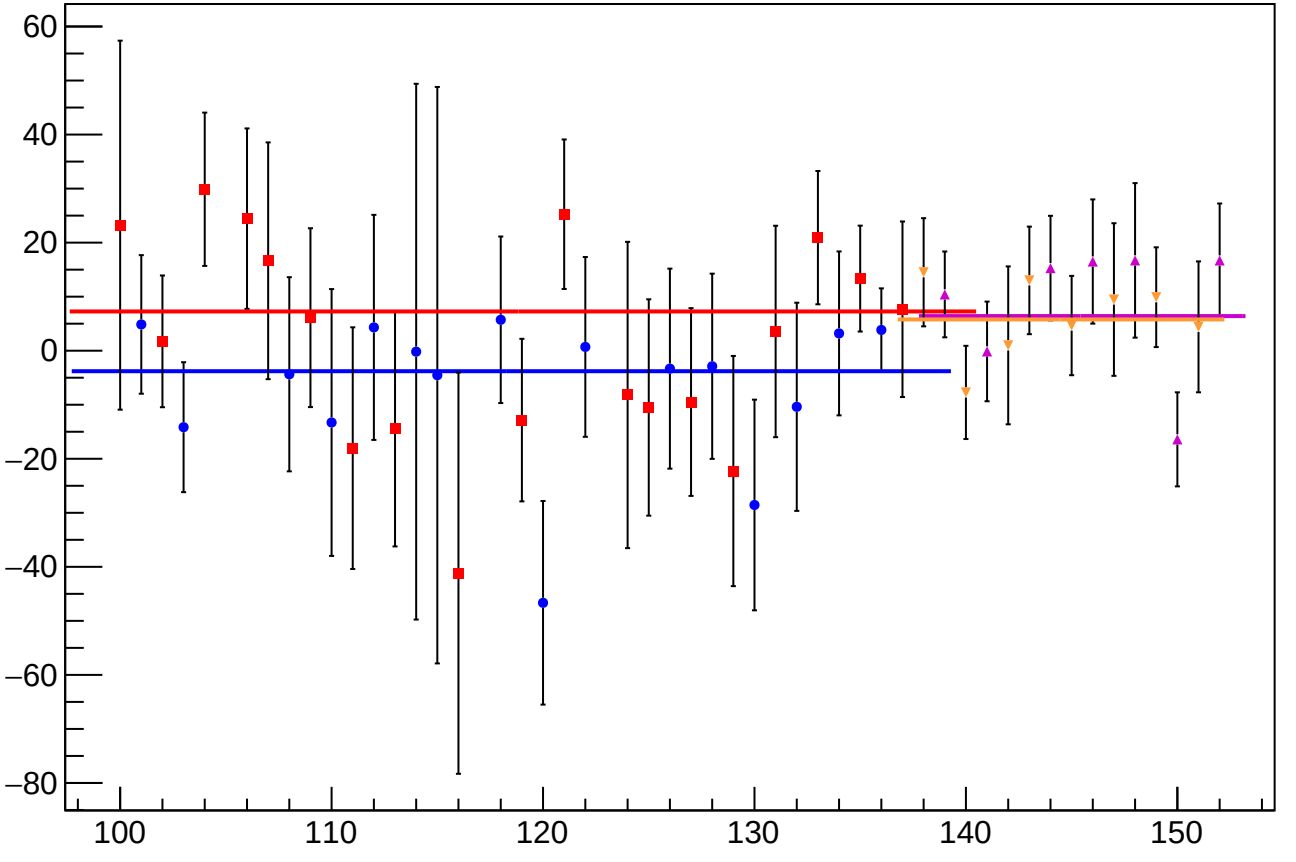
Left In: 810.074+/-0.232 χ^2/NDF:47201.3/6

+ sign 941.328+/-0.202 χ^2/NDF: 4896046.8/23

All: 947.010+/-0.144 χ^2/NDF: 10137143.2/49

- sign 952.892+/-0.206 χ^2/NDF: 5239494.1/25

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.786+/-3.686 χ^2/NDF:4.1/7

Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

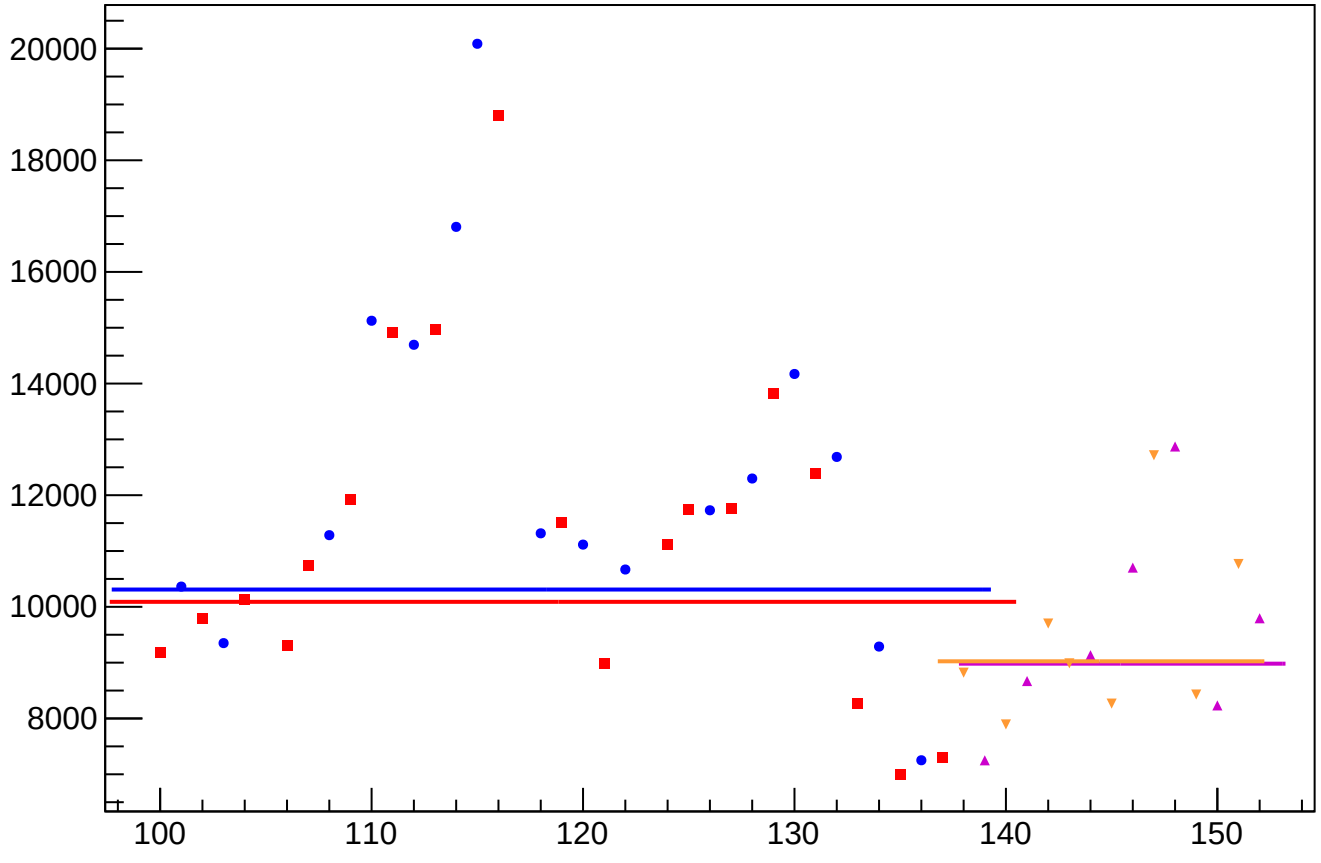
Left In: 6.406+/-3.702 χ^2/NDF:10.7/6

+ sign 1.318+/-2.693 χ^2/NDF: 17.4/23

All: 4.110+/-1.890 χ^2/NDF: 47.5/49

- sign 6.823+/-2.654 χ^2/NDF: 28.0/25

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9024.116+/-2.607 χ^2/NDF:239482.4/7

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

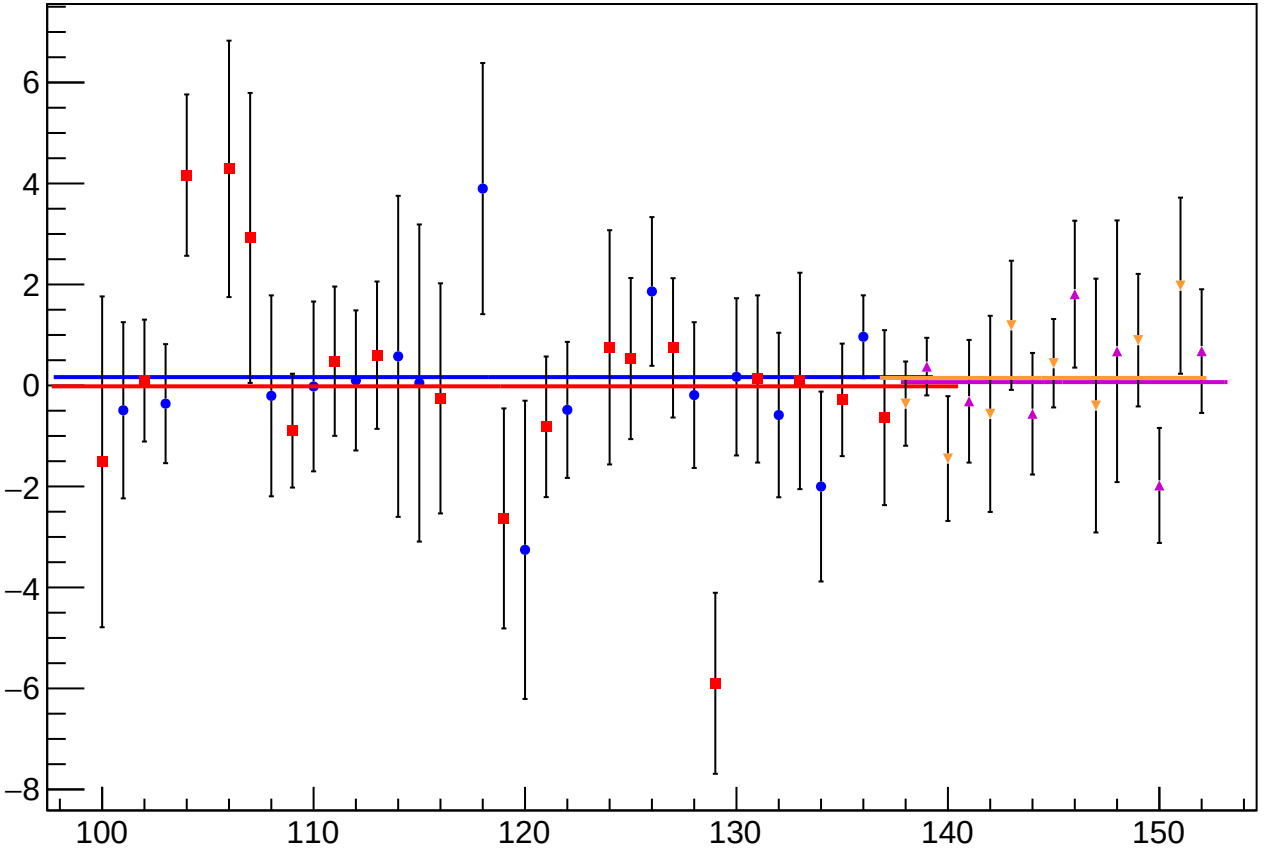
Left In: 8981.787+/-2.618 χ^2/NDF:317431.3/6

+ sign 9623.791+/-1.904 χ^2/NDF: 1123497.5/23

All: 9571.252+/-1.337 χ^2/NDF: 2322260.4/49

- sign 9520.214+/-1.877 χ^2/NDF: 1197261.9/25

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: 0.149+/-0.433 χ^2/NDF:4.4/7

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

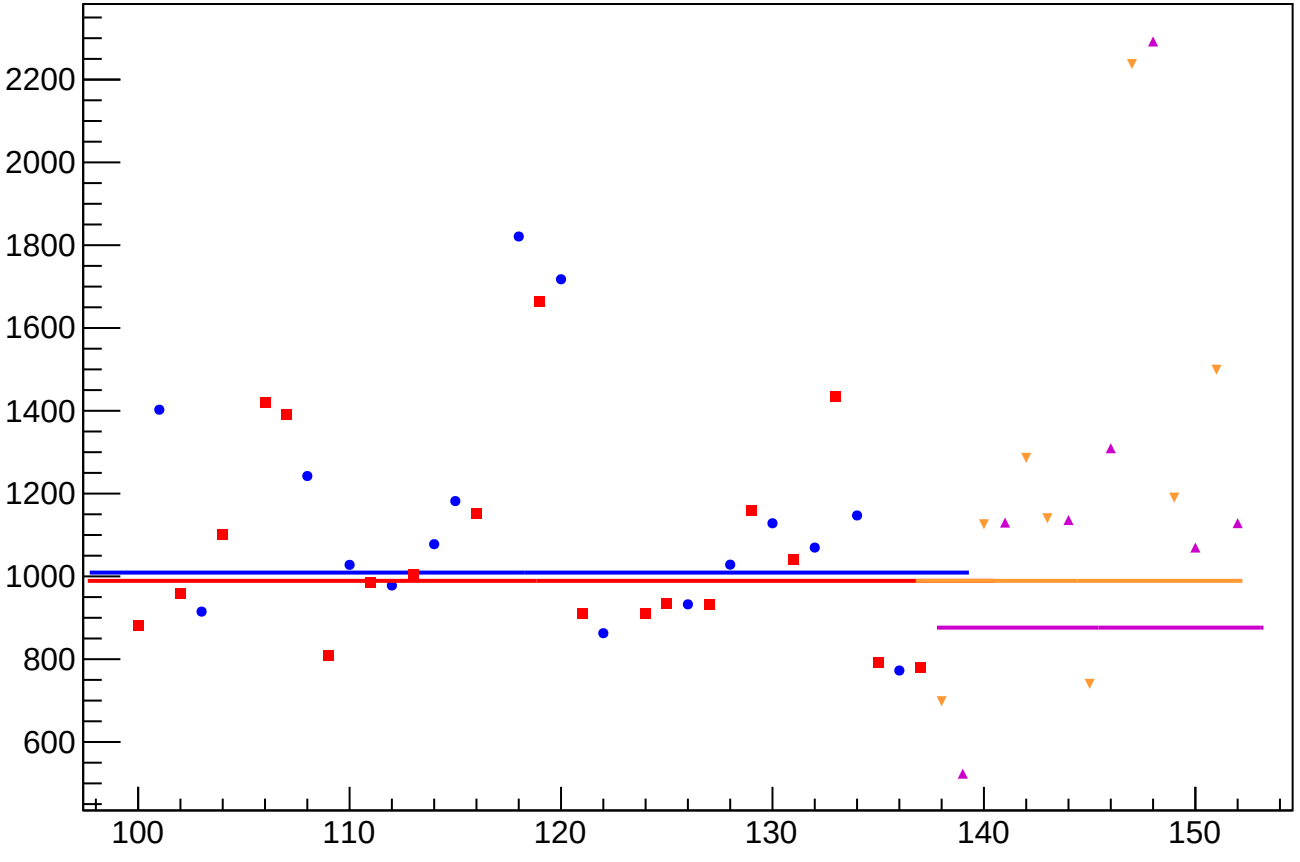
Left In: 0.066+/-0.392 χ^2/NDF:5.6/6

+ sign 0.158+/-0.288 χ^2/NDF: 12.5/23

All: 0.086+/-0.197 χ^2/NDF: 43.5/49

- sign 0.022+/-0.270 χ^2/NDF: 30.8/25

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 989.244+/-0.306 χ^2/NDF:1215043.8/7

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

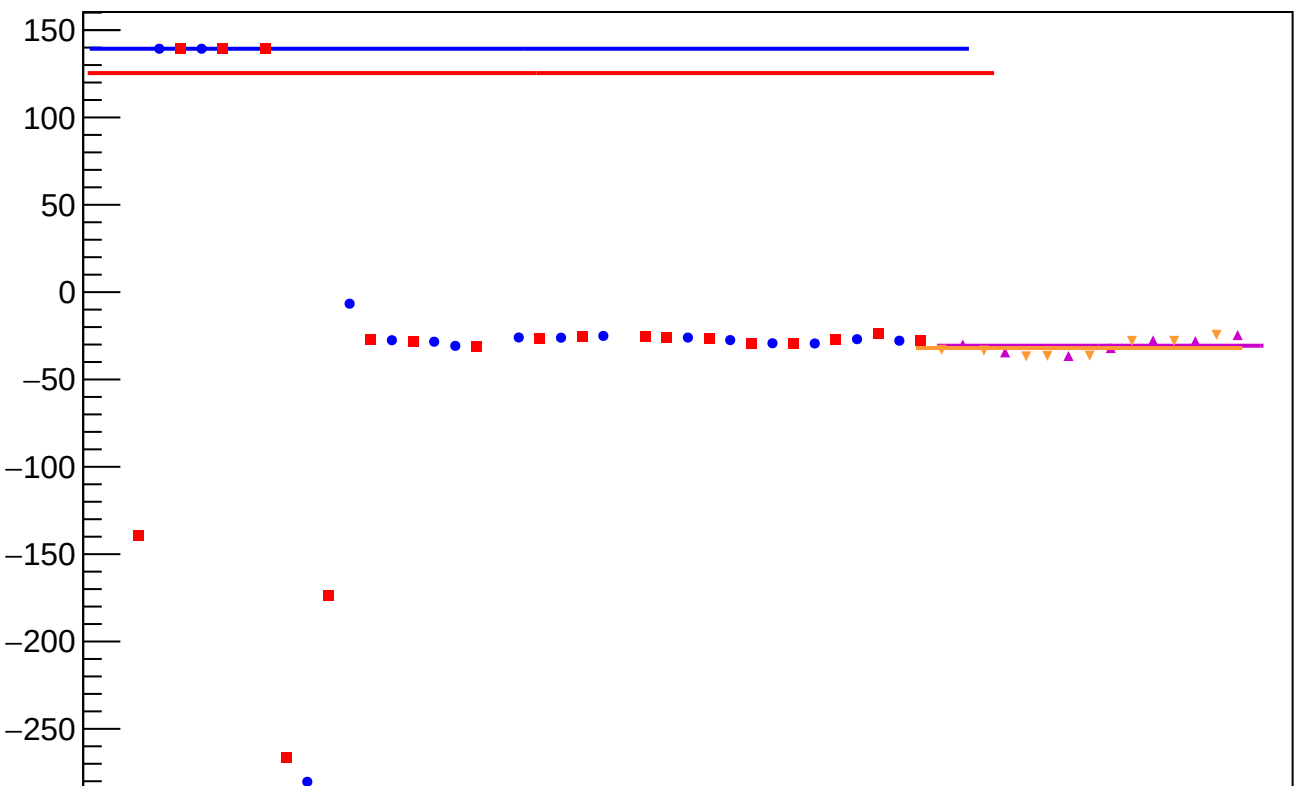
Left In: 876.268+/-0.277 χ^2/NDF:1862573.2/6

+ sign 1000.360+/-0.204 χ^2/NDF: 1916720.2/23

All: 965.929+/-0.139 χ^2/NDF: 4495986.8/49

- sign 935.705+/-0.191 χ^2/NDF: 2525649.4/25

yield_cav4bX_mean vs Slug



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -31.994+/-0.001 χ^2/NDF:68771226.0/7

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

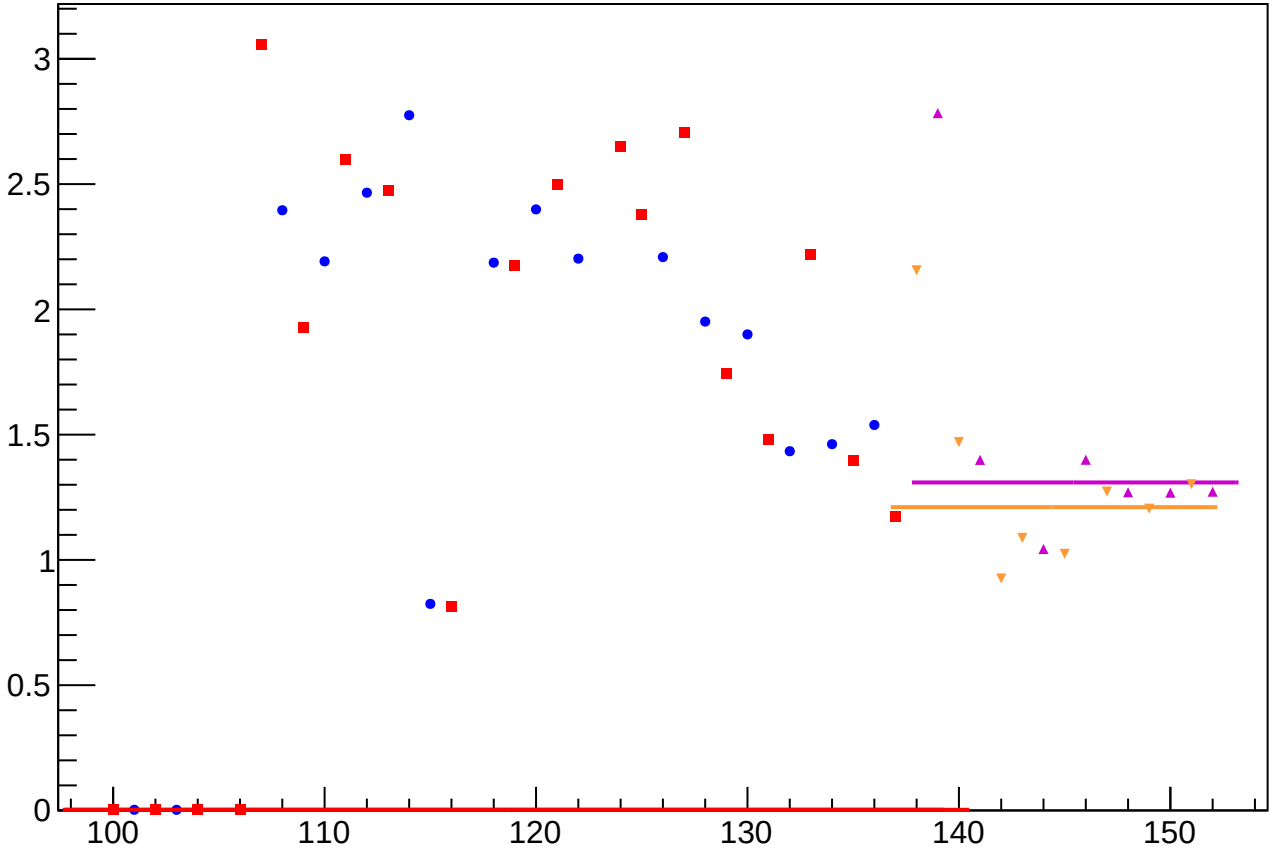
Left In: -30.672+/-0.001 χ^2/NDF:50005444.6/6

+ sign 139.334+/-0.000 χ^2/NDF: 139313400455.4/2

All: 131.816+/-0.000 χ^2/NDF: 79316128926

- sign 125.390+/-0.000 χ^2/NDF: 774239518297328

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.211+/-0.000 χ^2/NDF:407552.8/7

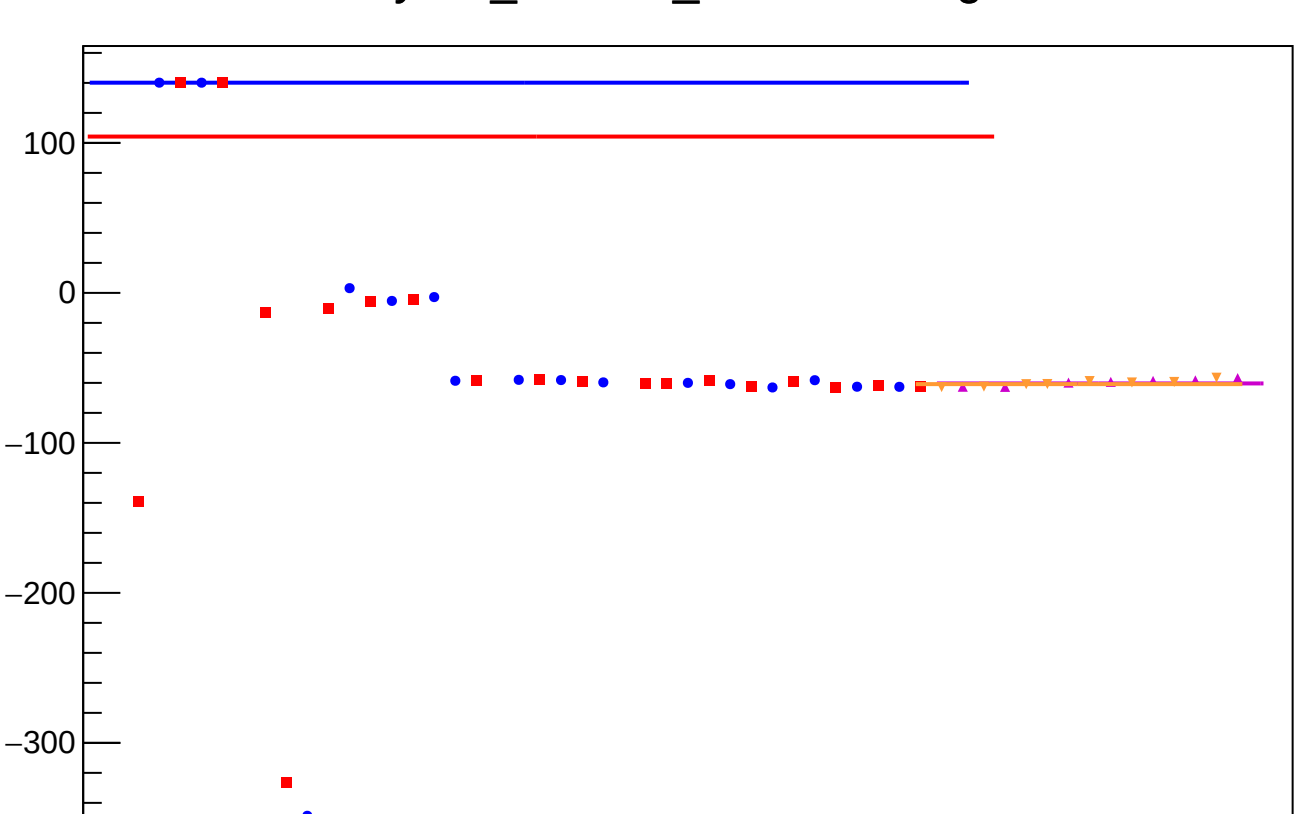
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.309+/-0.000 χ^2/NDF:562668.8/6

+ sign 0.003+/-0.000 χ^2/NDF: 19134505.2/23

All: 0.003+/-0.000 χ^2/NDF: 38731829.7/49

- sign 0.003+/-0.000 χ^2/NDF: 19597087.8/25



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -60.827+/-0.000 χ^2/NDF:32000889.5/7

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

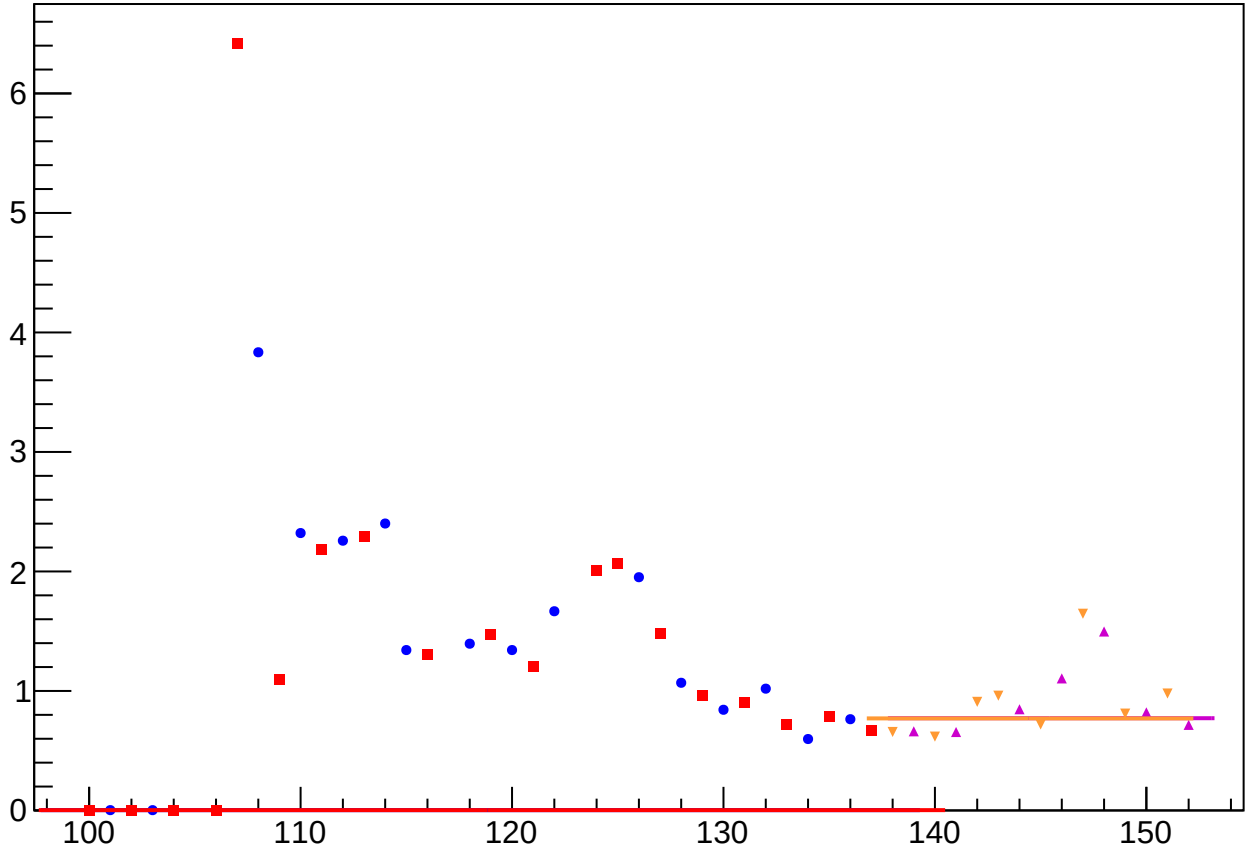
Left In: -60.366+/-0.000 χ^2/NDF:43129194.2/6

+ sign 140.135+/-0.000 χ^2/NDF: 500672833257.2/2

All: 120.824+/-0.000 χ^2/NDF: 13814098967

- sign 104.218+/-0.000 χ^2/NDF: 125761499255585

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.770+/-0.000 χ^2/NDF:675267.4/7

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

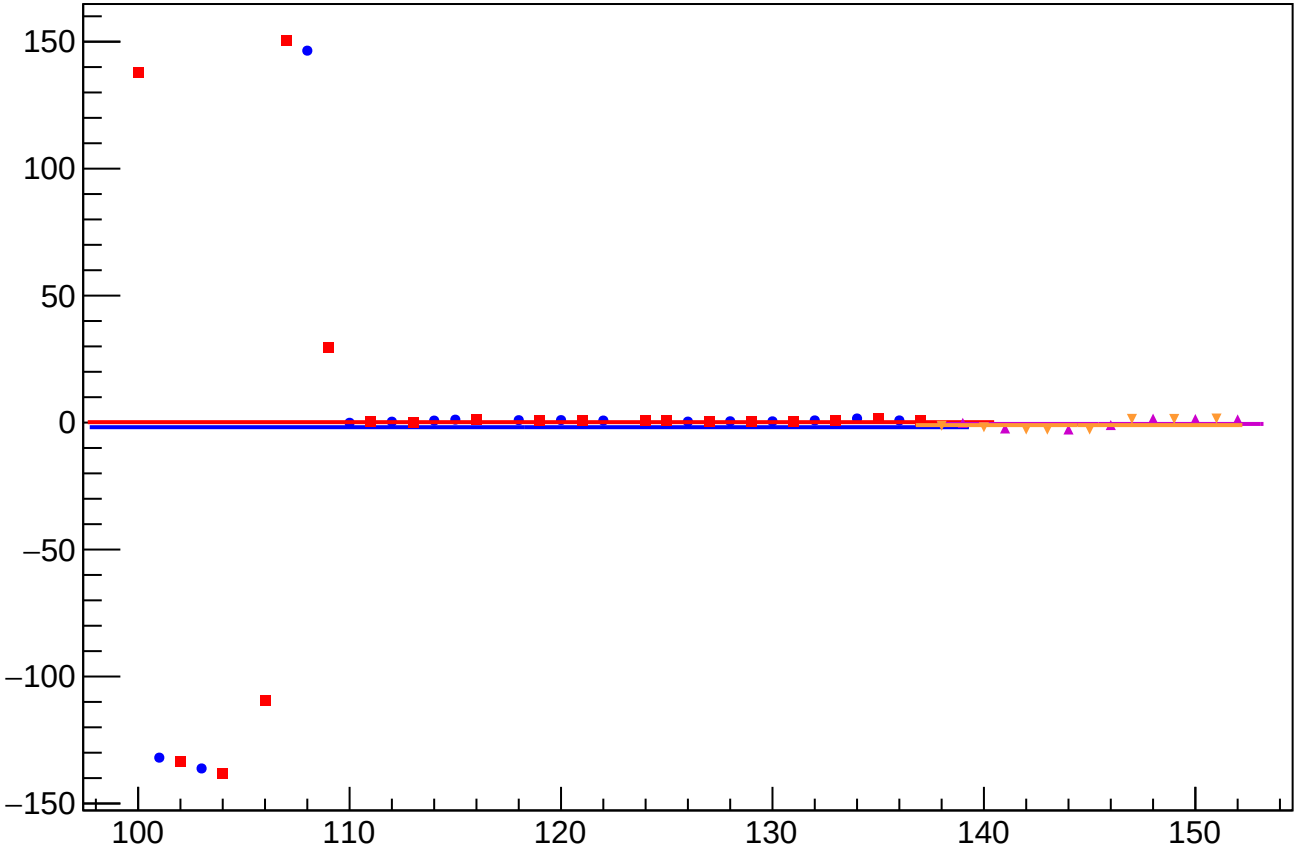
Left In: 0.772+/-0.000 χ^2/NDF:565222.4/6

+ sign 0.003+/-0.000 χ^2/NDF: 20391824.2/23

All: 0.003+/-0.000 χ^2/NDF: 40532867.2/49

- sign 0.003+/-0.000 χ^2/NDF: 20140779.9/25

yield_cav4cX_mean vs Slug



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.993+/-0.000 χ^2/NDF:64392342.9/7

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

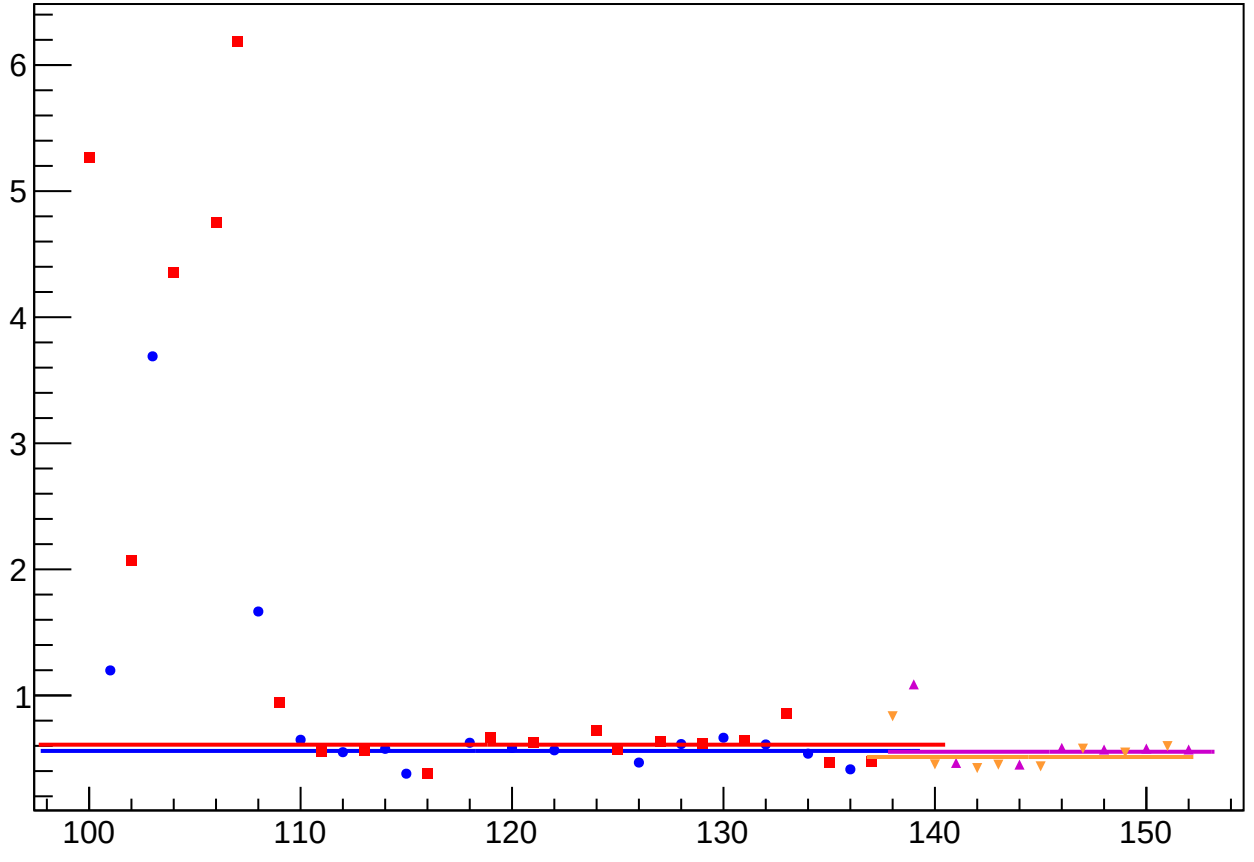
Left In: -0.535+/-0.000 χ^2/NDF:49156139.9/6

+ sign -1.388+/-0.000 χ^2/NDF: 9957292320.8/23

All: -0.845+/-0.000 χ^2/NDF: 13642740566.0/

- sign -0.209+/-0.000 χ^2/NDF: 3663901670.2/25

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.512+/-0.000 χ^2/NDF:351390.9/7

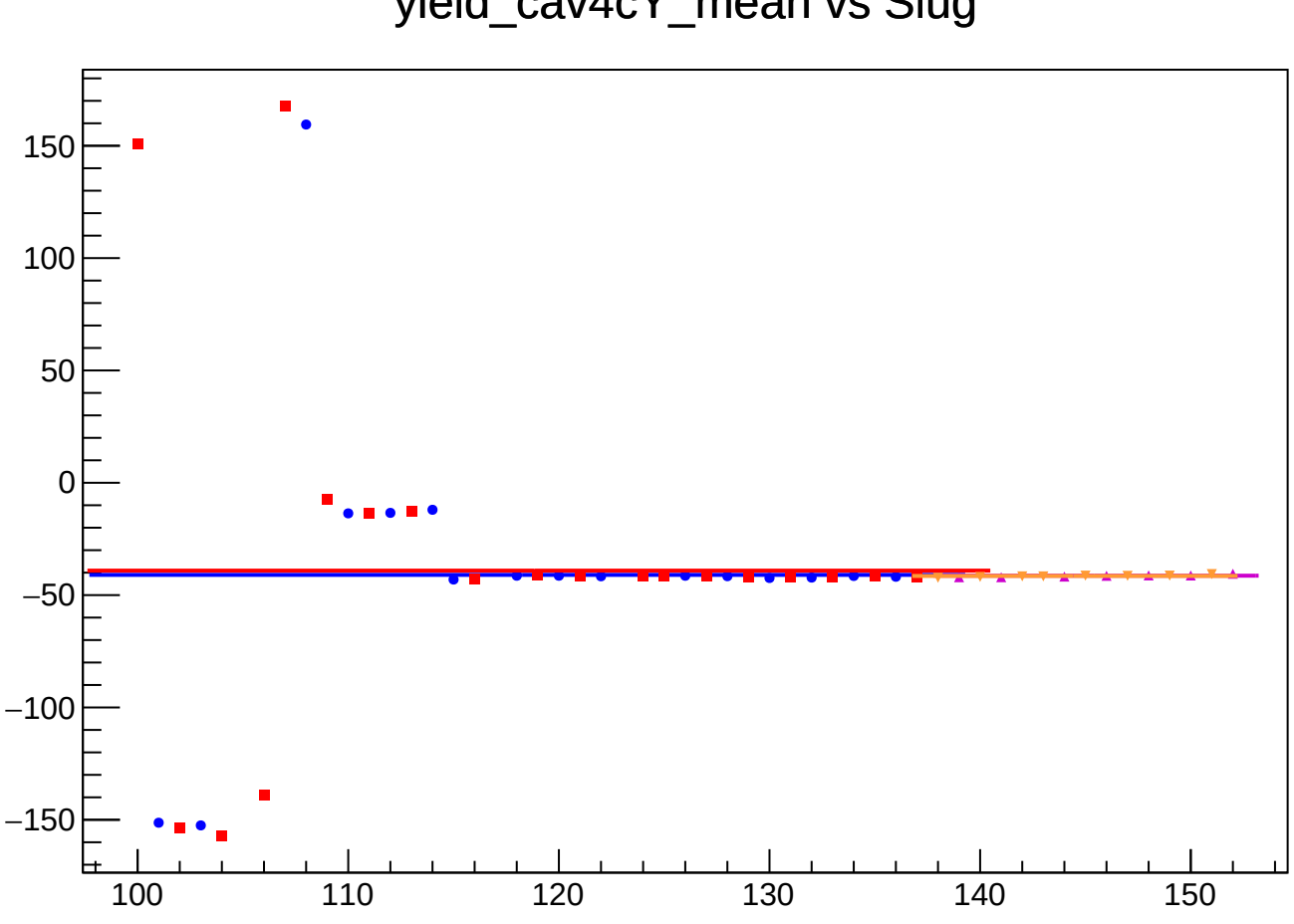
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.553+/-0.000 χ^2/NDF:526425.6/6

+ sign 0.535+/-0.000 χ^2/NDF: 1989021.7/23

All: 0.555+/-0.000 χ^2/NDF: 5098477.6/49

- sign 0.579+/-0.000 χ^2/NDF: 3047287.5/25



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.470+/-0.000 χ^2/NDF:6474893.4/7

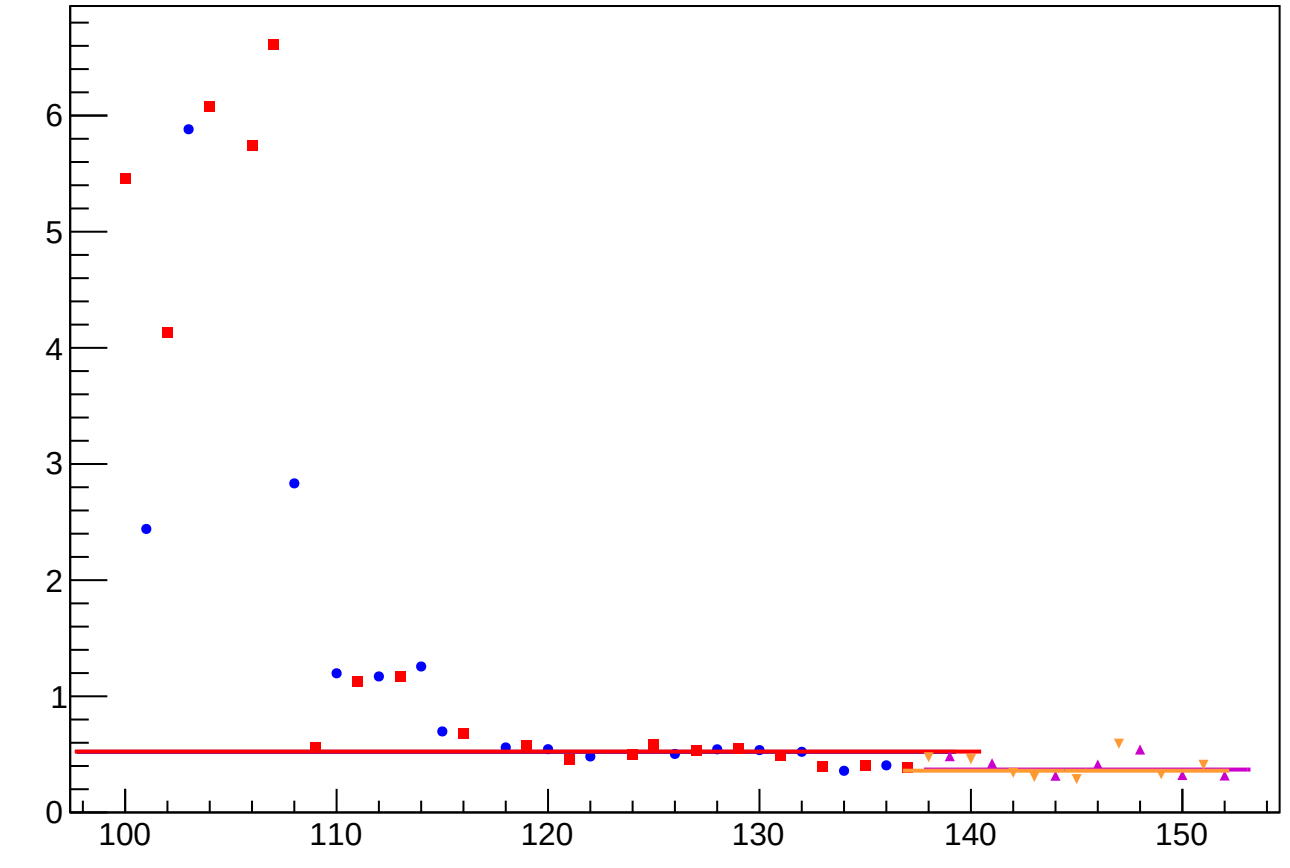
Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.351+/-0.000 χ^2/NDF:10984992.8/6

+ sign -41.323+/-0.000 χ^2/NDF: 3459094226.3/23

All: -40.999+/-0.000 χ^2/NDF: 6026113687.5/

- sign -40.658+/-0.000 χ^2/NDF: 2553864679.2/25



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.360+/-0.000 χ^2/NDF:584961.8/7

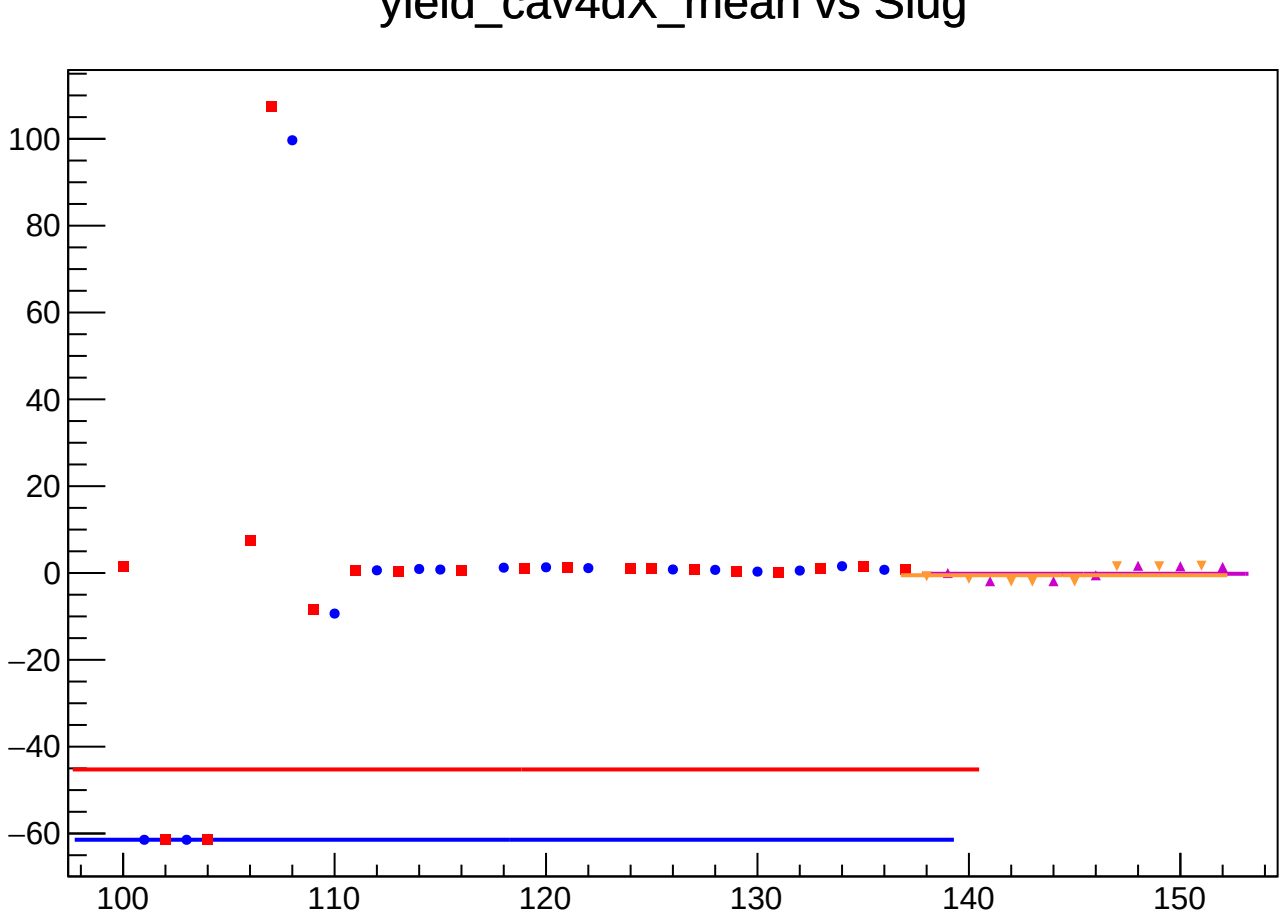
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.369+/-0.000 χ^2/NDF:416853.1/6

+ sign 0.409+/-0.000 χ^2/NDF: 4211802.1/23

All: 0.413+/-0.000 χ^2/NDF: 8490241.2/49

- sign 0.417+/-0.000 χ^2/NDF: 4274653.9/25



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -0.512+/-0.000 χ^2/NDF:64196486.3/7

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

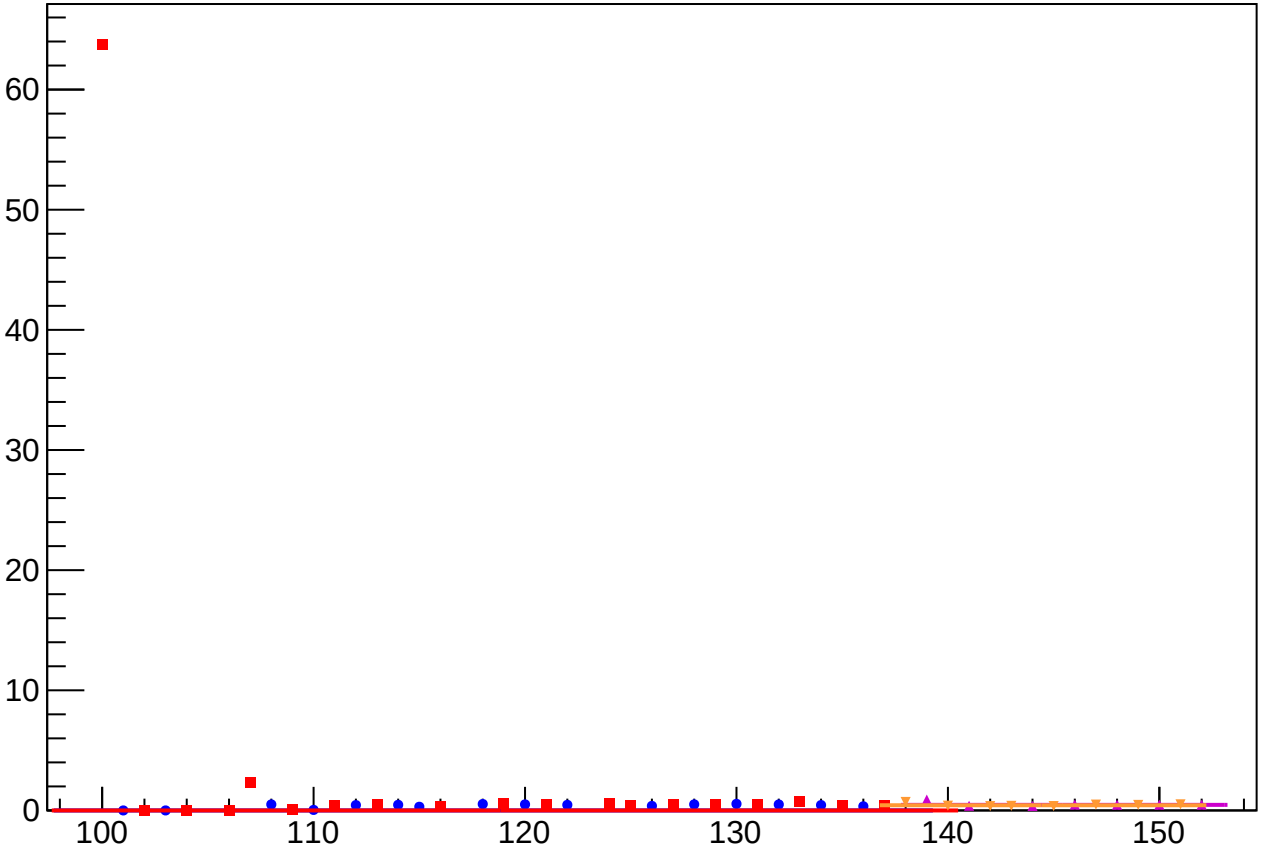
Left In: -0.176+/-0.000 χ^2/NDF:52358497.9/6

+ sign -61.432+/-0.000 χ^2/NDF: 364837538687.7/2

All: -52.746+/-0.000 χ^2/NDF: 409249176763

- sign -45.243+/-0.000 χ^2/NDF: 357914503414329.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.434+/-0.000 χ^2/NDF:352373.1/7

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

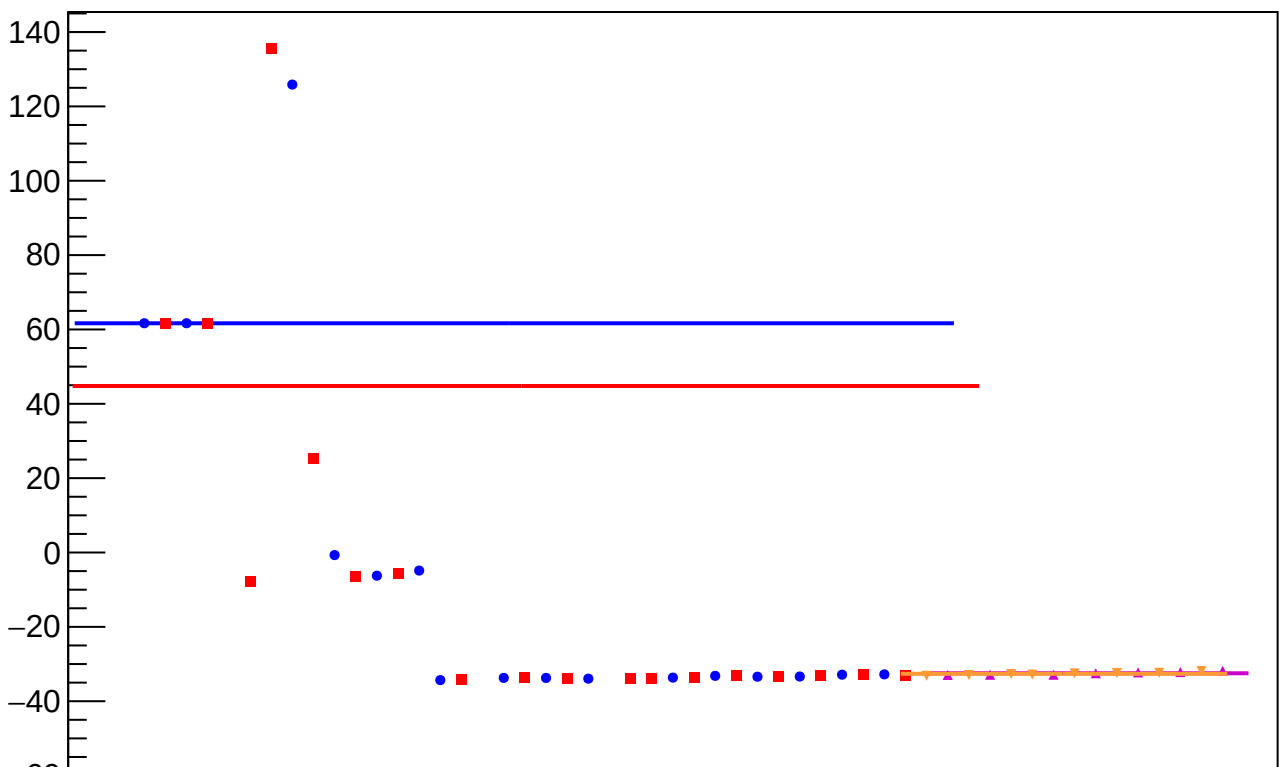
Left In: 0.465+/-0.000 χ^2/NDF:521578.1/6

+ sign 0.001+/-0.000 χ^2/NDF: 18694860.3/23

All: 0.001+/-0.000 χ^2/NDF: 37911918.8/49

- sign 0.001+/-0.000 χ^2/NDF: 19217035.5/25

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.624+/-0.000 χ^2/NDF:7750855.1/7

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

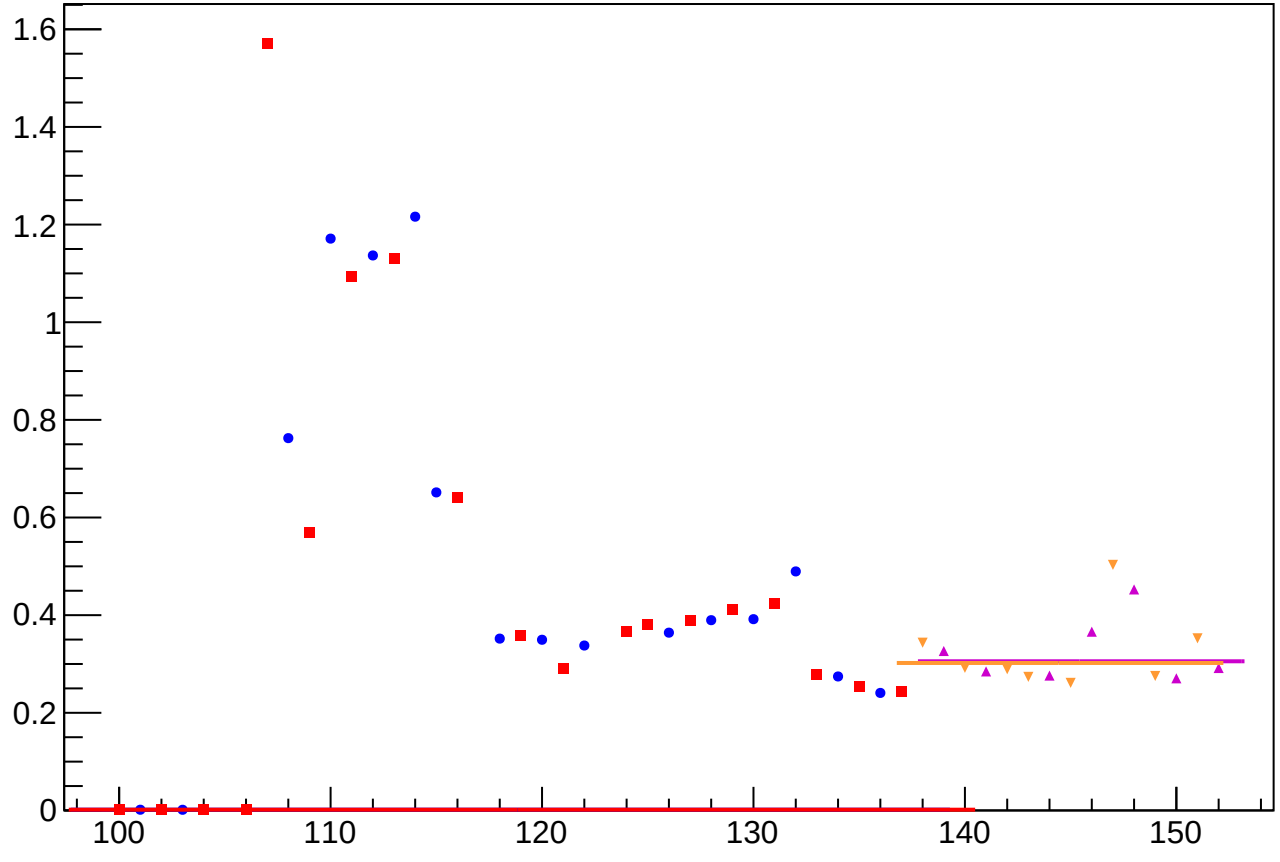
Left In: -32.482+/-0.000 χ^2/NDF:10885148.9/6

+ sign 61.644+/-0.000 χ^2/NDF: 926070667769.4/23

All: 52.674+/-0.000 χ^2/NDF: 418468062535

- sign 44.773+/-0.000 χ^2/NDF: 366460432732614.6

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.302+/-0.000 χ^2/NDF:382858.4/7

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

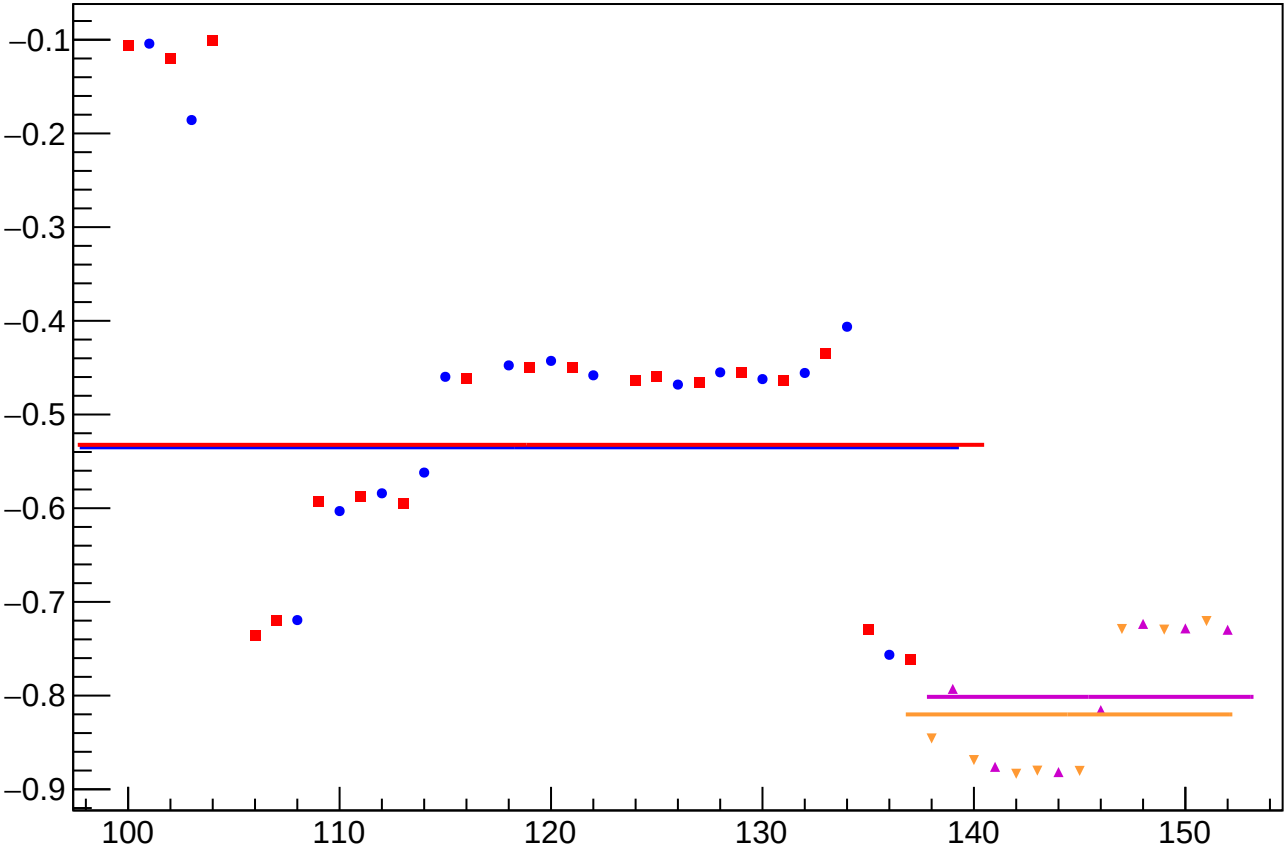
Left In: 0.306+/-0.000 χ^2/NDF:280022.7/6

+ sign 0.002+/-0.000 χ^2/NDF: 22720290.5/23

All: 0.002+/-0.000 χ^2/NDF: 44878361.4/49

- sign 0.002+/-0.000 χ^2/NDF: 22158021.6/25

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.820+/-0.000 χ^2/NDF:68521598.8/7

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

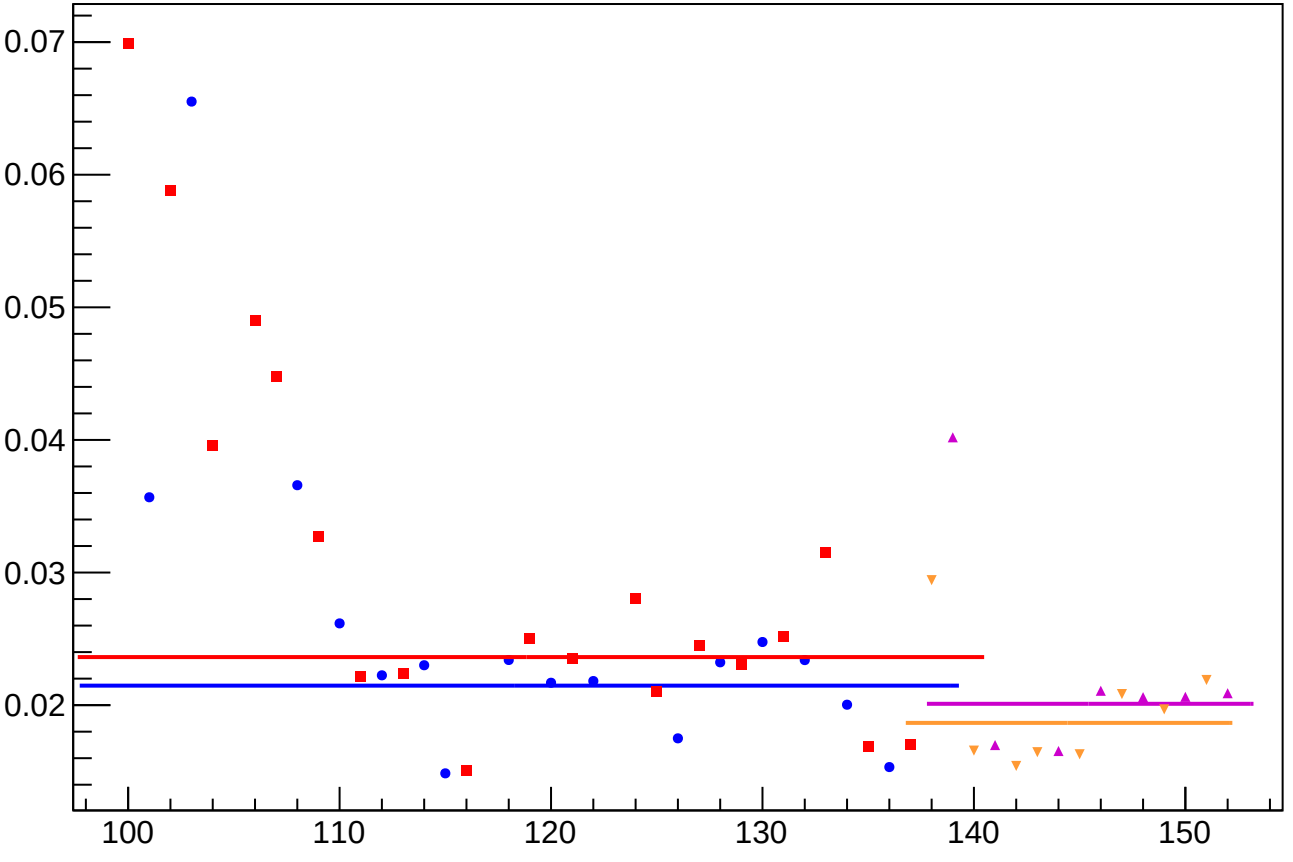
Left In: -0.801+/-0.000 χ^2/NDF:54844258.5/6

+ sign -0.687+/-0.000 χ^2/NDF: 871756175.1/23

All: -0.682+/-0.000 χ^2/NDF: 1530265450.7/4

- sign -0.677+/-0.000 χ^2/NDF: 657417391.0/25

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:312172.0/7

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

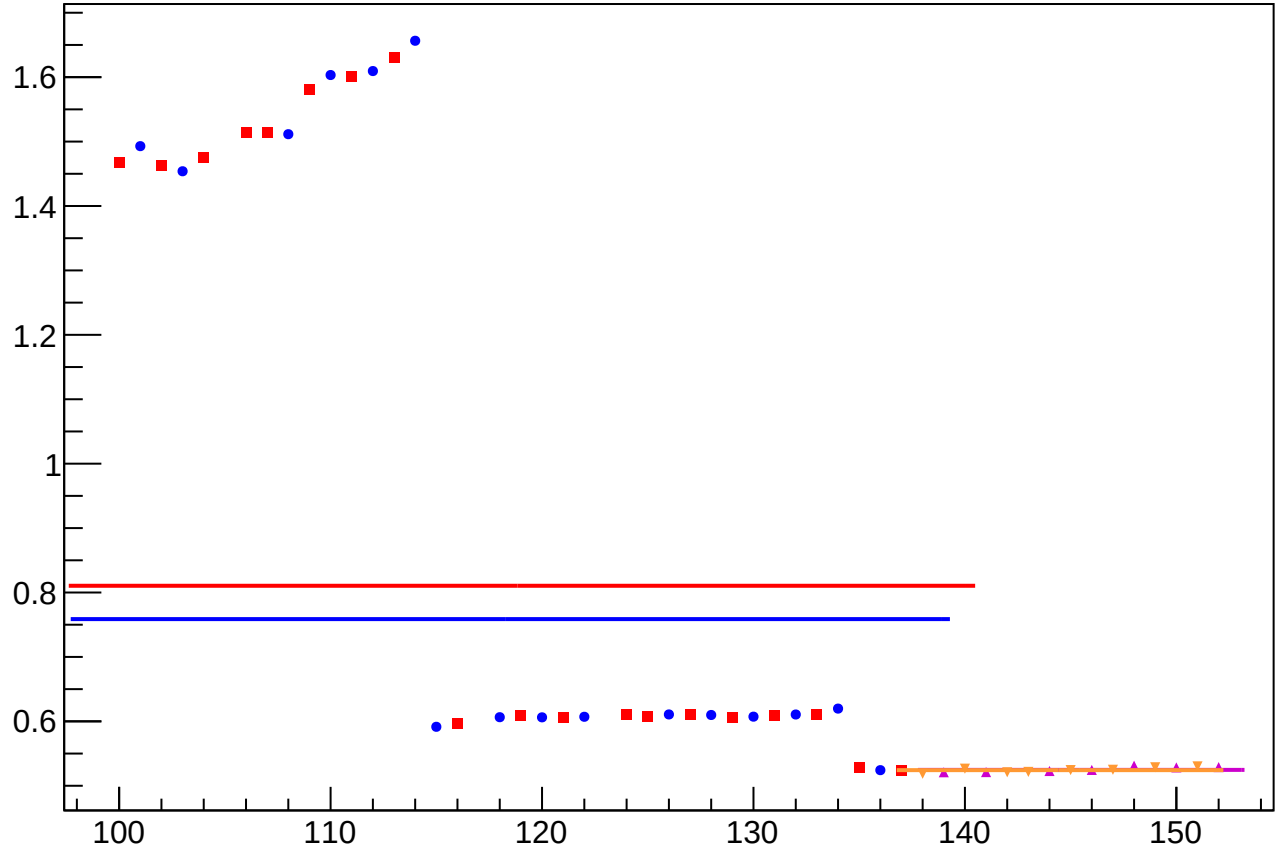
Left In: 0.020+/-0.000 χ^2/NDF:528899.6/6

+ sign 0.020+/-0.000 χ^2/NDF: 1563701.1/23

All: 0.021+/-0.000 χ^2/NDF: 3574251.6/49

- sign 0.022+/-0.000 χ^2/NDF: 1939472.9/25

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:494279.0/7

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

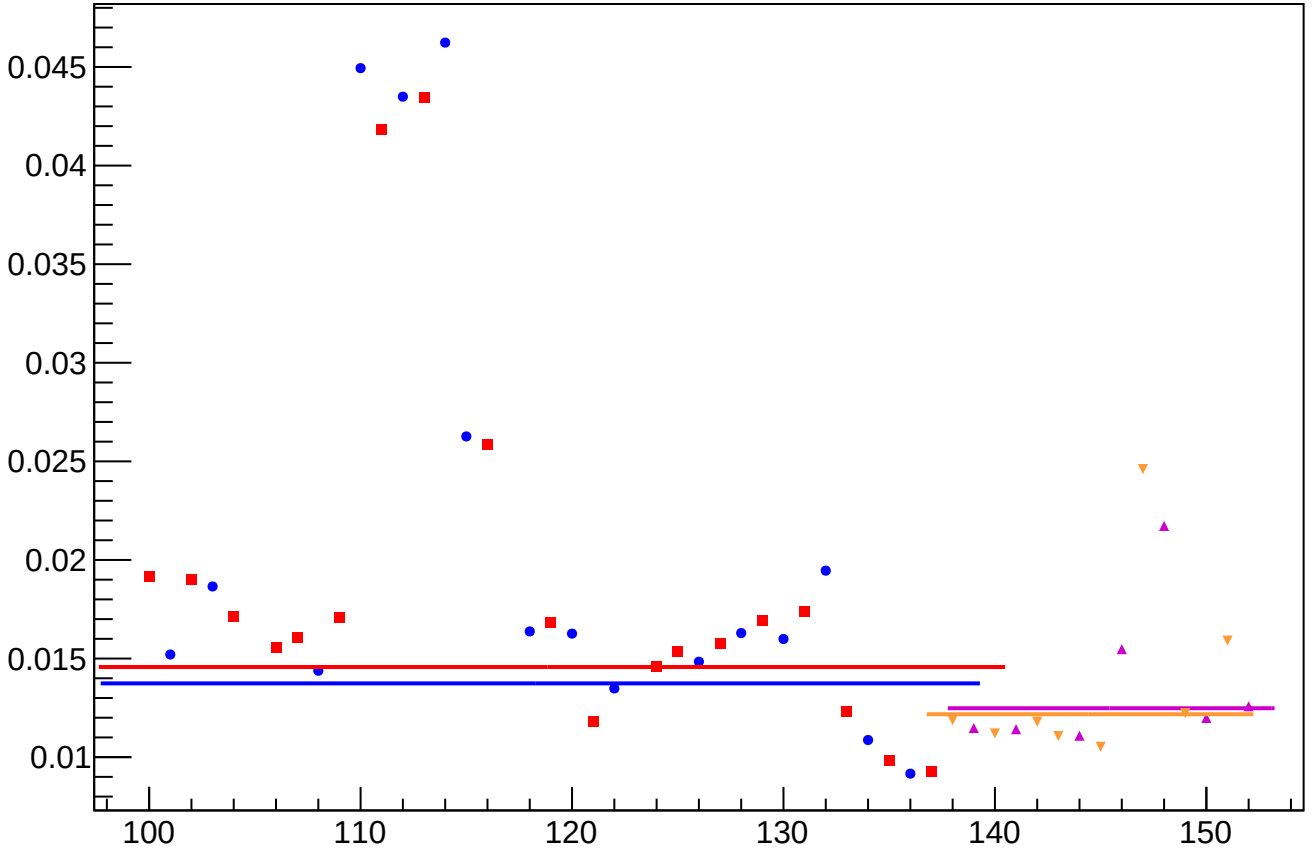
Left In: 0.525+/-0.000 χ^2/NDF:443842.4/6

+ sign 0.630+/-0.000 χ^2/NDF: 5252725812.1/23

All: 0.641+/-0.000 χ^2/NDF: 11365519617.6/4

- sign 0.652+/-0.000 χ^2/NDF: 6096440546.1/25

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:558950.4/7

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

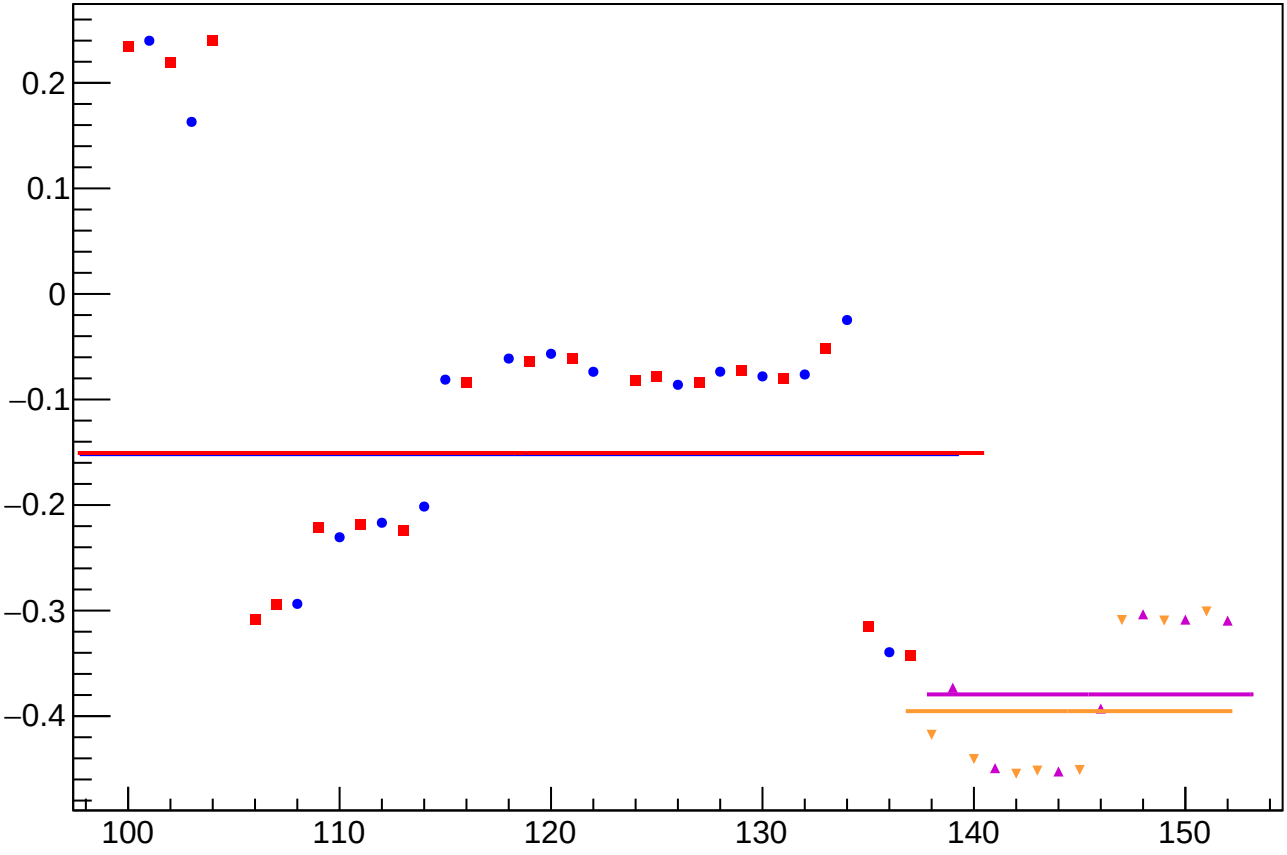
Left In: 0.012+/-0.000 χ^2/NDF:402365.7/6

+ sign 0.013+/-0.000 χ^2/NDF: 2293109.0/23

All: 0.013+/-0.000 χ^2/NDF: 4311586.5/49

- sign 0.013+/-0.000 χ^2/NDF: 1999470.0/25

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.395+/-0.000 χ^2/NDF:66991833.4/7

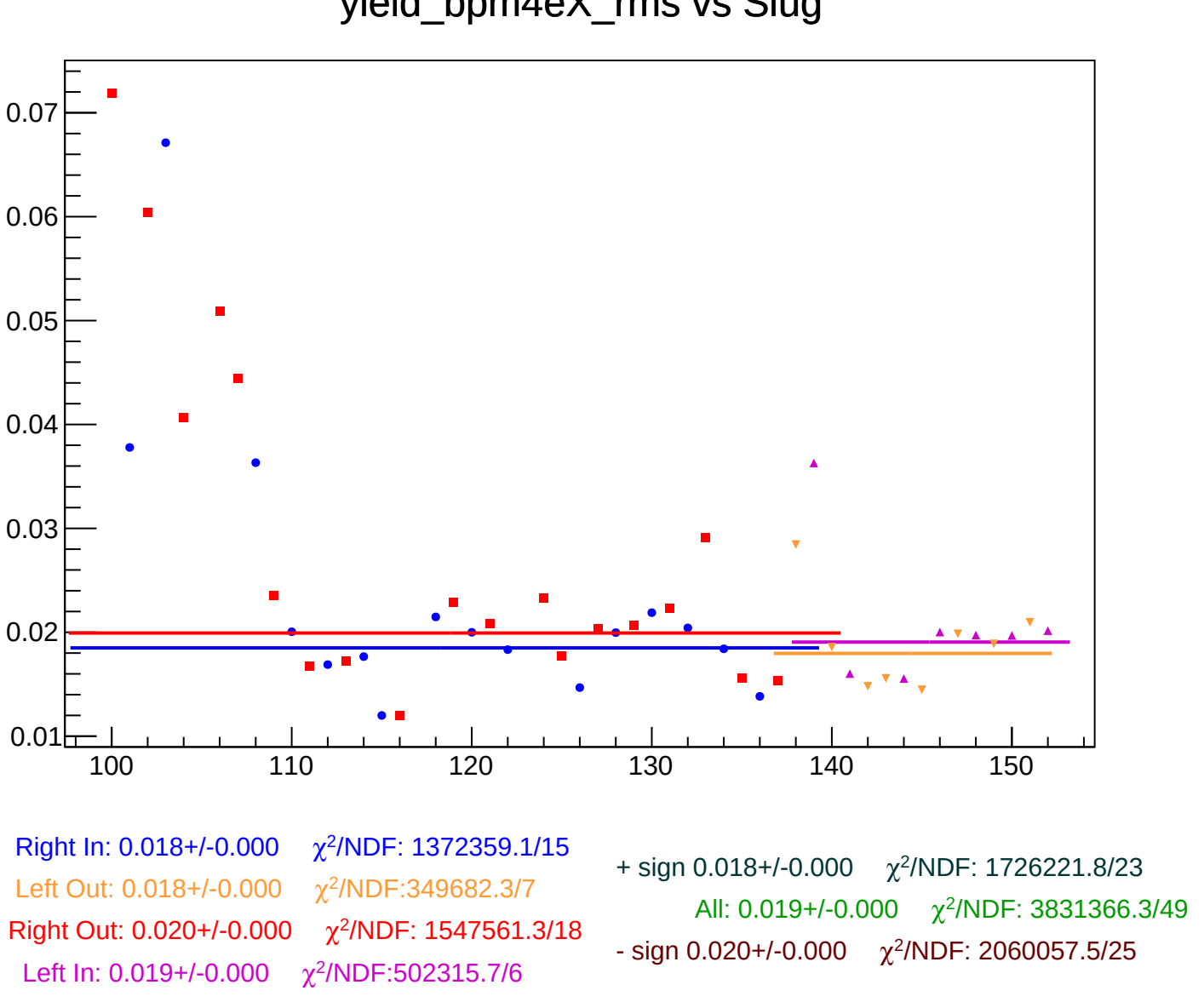
Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.379+/-0.000 χ^2/NDF:55133308.7/6

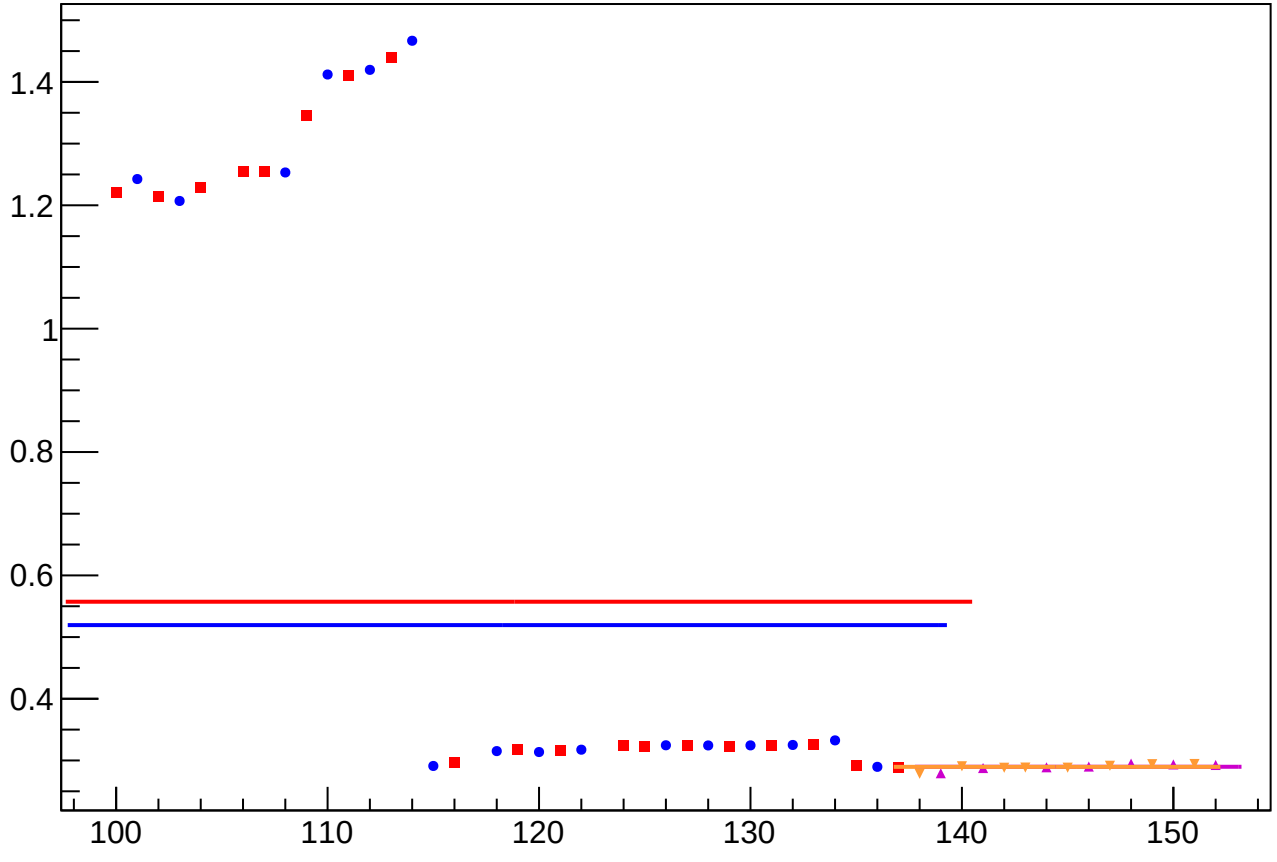
+ sign -0.270+/-0.000 χ^2/NDF: 786207068.2/23

All: -0.266+/-0.000 χ^2/NDF: 1391012886.4/4

- sign -0.262+/-0.000 χ^2/NDF: 604002688.5/25


yield_bpm4eX_rms vs Slug
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
Right In: 0.018+/-0.000 χ²/NDF: 1372359.1/15
Left Out: 0.018+/-0.000 χ²/NDF:349682.3/7
Right Out: 0.020+/-0.000 χ²/NDF: 1547561.3/18
Left In: 0.019+/-0.000 χ²/NDF:502315.7/6
+ sign 0.018+/-0.000 χ²/NDF: 1726221.8/23
All: 0.019+/-0.000 χ²/NDF: 3831366.3/49
- sign 0.020+/-0.000 χ²/NDF: 2060057.5/25

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.290+/-0.000 χ^2/NDF:830641.5/7

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

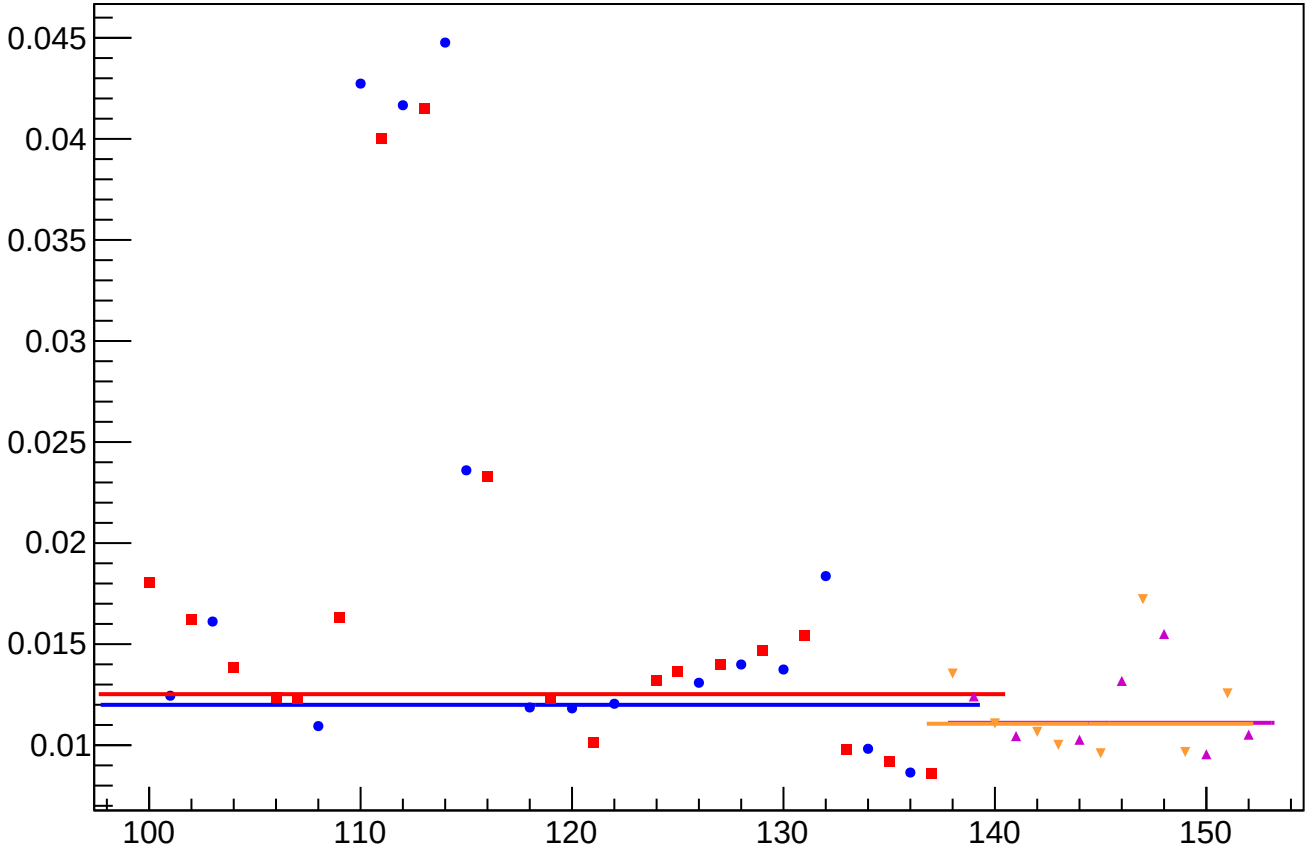
Left In: 0.290+/-0.000 χ^2/NDF:913290.7/6

+ sign 0.398+/-0.000 χ^2/NDF: 7479936507.7/23

All: 0.405+/-0.000 χ^2/NDF: 15754154341.1/4

- sign 0.412+/-0.000 χ^2/NDF: 8265185057.2/25

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:366311.5/7

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

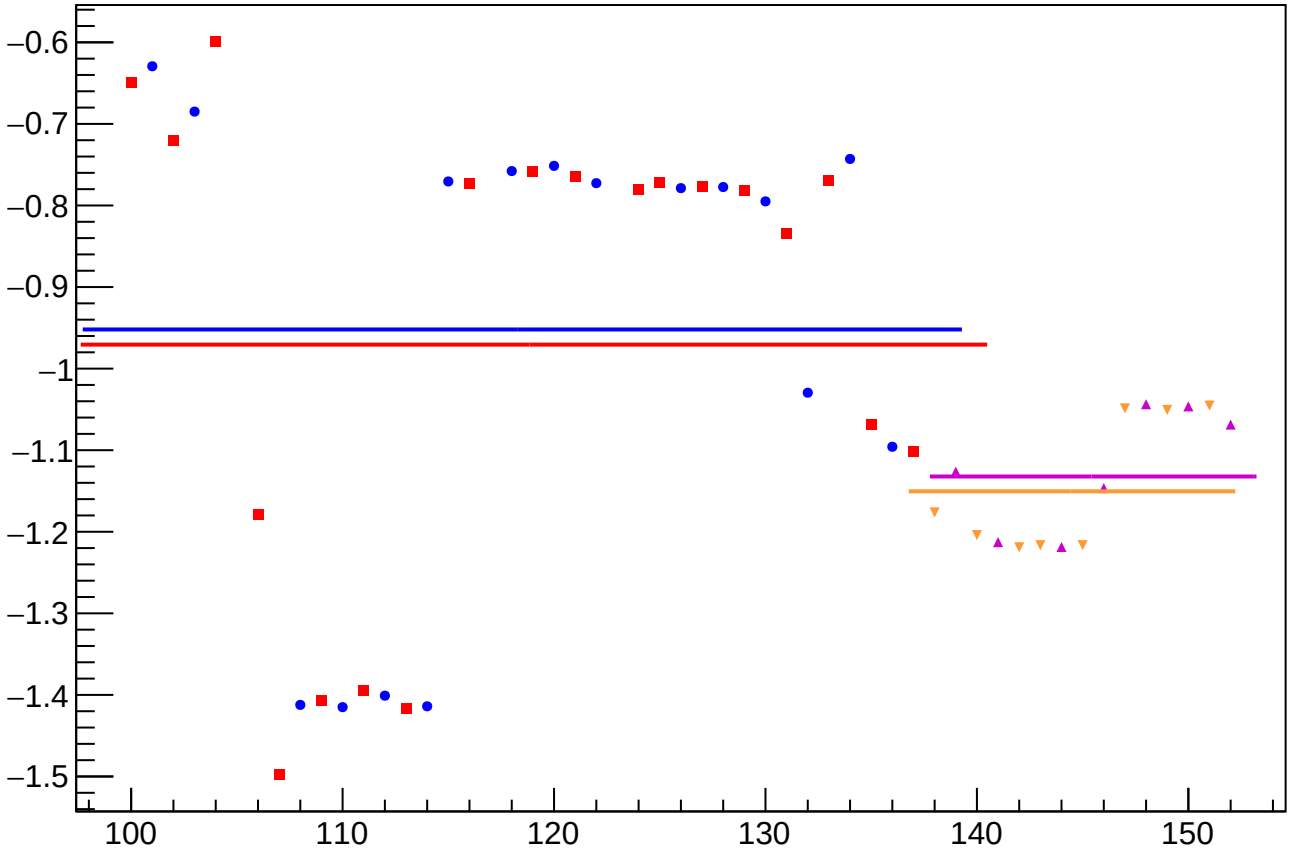
Left In: 0.011+/-0.000 χ^2/NDF:256599.2/6

+ sign 0.012+/-0.000 χ^2/NDF: 1896367.5/23

All: 0.012+/-0.000 χ^2/NDF: 3678045.7/49

- sign 0.012+/-0.000 χ^2/NDF: 1776079.4/25

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.150+/-0.000 χ^2/NDF:85582939.5/7

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

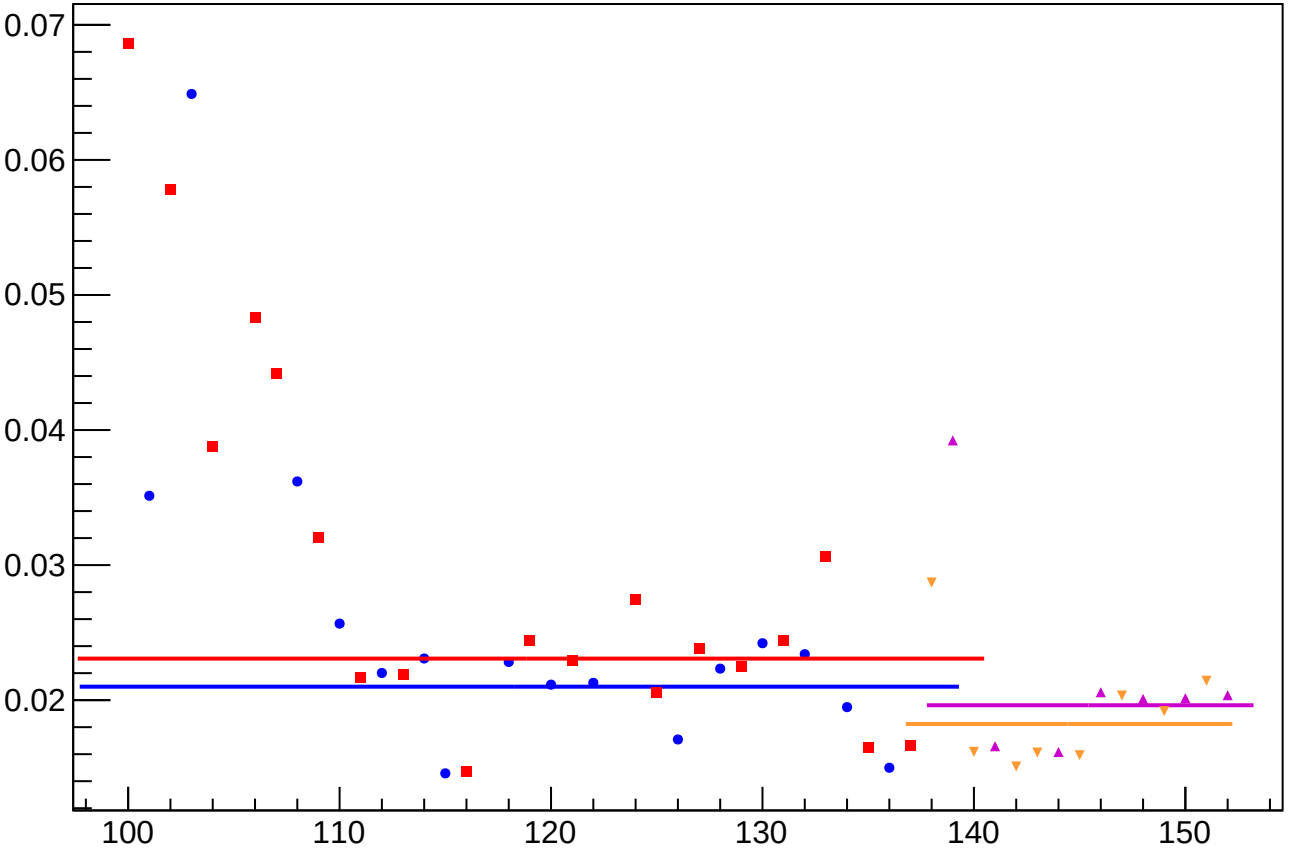
Left In: -1.132+/-0.000 χ^2/NDF:67076162.7/6

+ sign -1.058+/-0.000 χ^2/NDF: 1039516374.3/23

All: -1.058+/-0.000 χ^2/NDF: 1968000628.9/4

- sign -1.058+/-0.000 χ^2/NDF: 928484249.6/25

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:310483.1/7

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

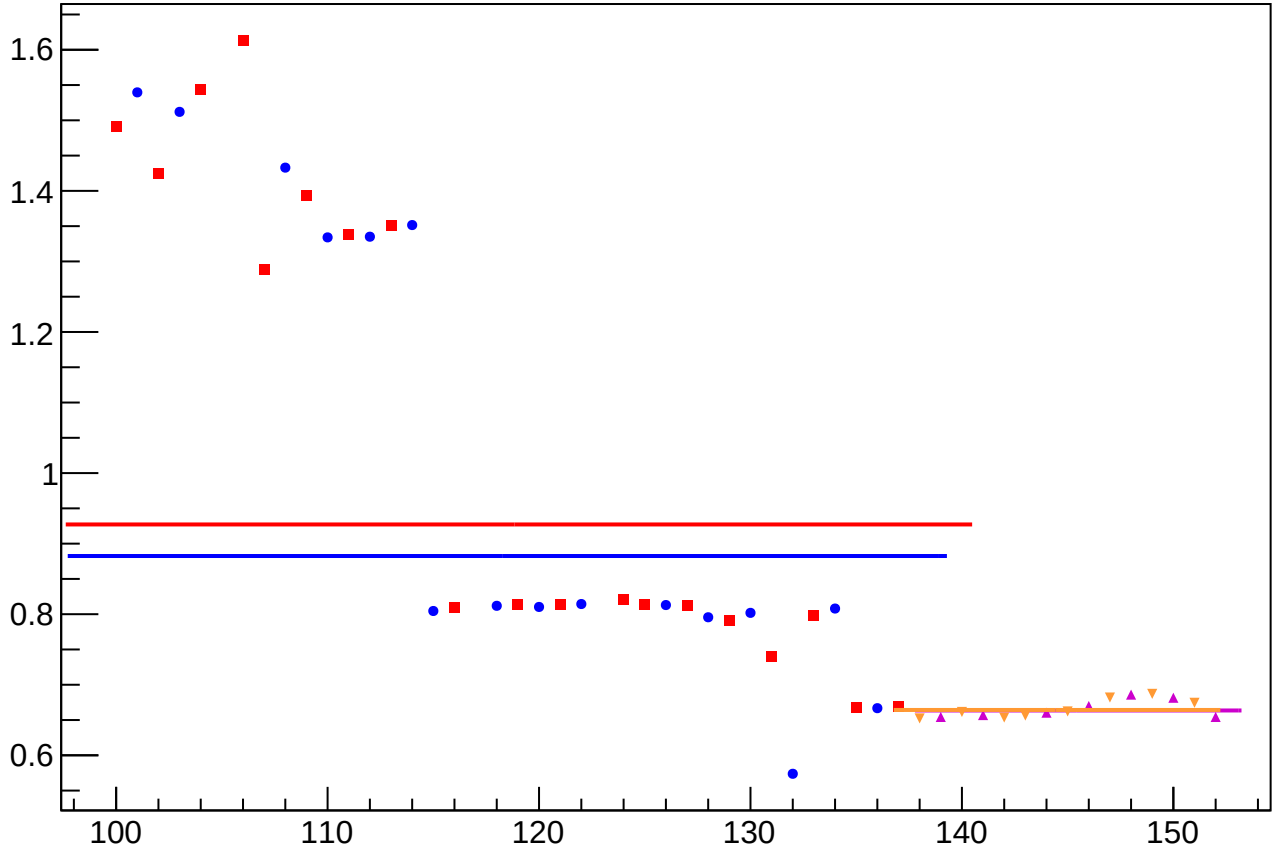
Left In: 0.020+/-0.000 χ^2/NDF:527838.9/6

+ sign 0.020+/-0.000 χ^2/NDF: 1575961.3/23

All: 0.020+/-0.000 χ^2/NDF: 3588300.3/49

- sign 0.021+/-0.000 χ^2/NDF: 1943345.9/25

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.664+/-0.000 χ^2/NDF:5161812.0/7

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

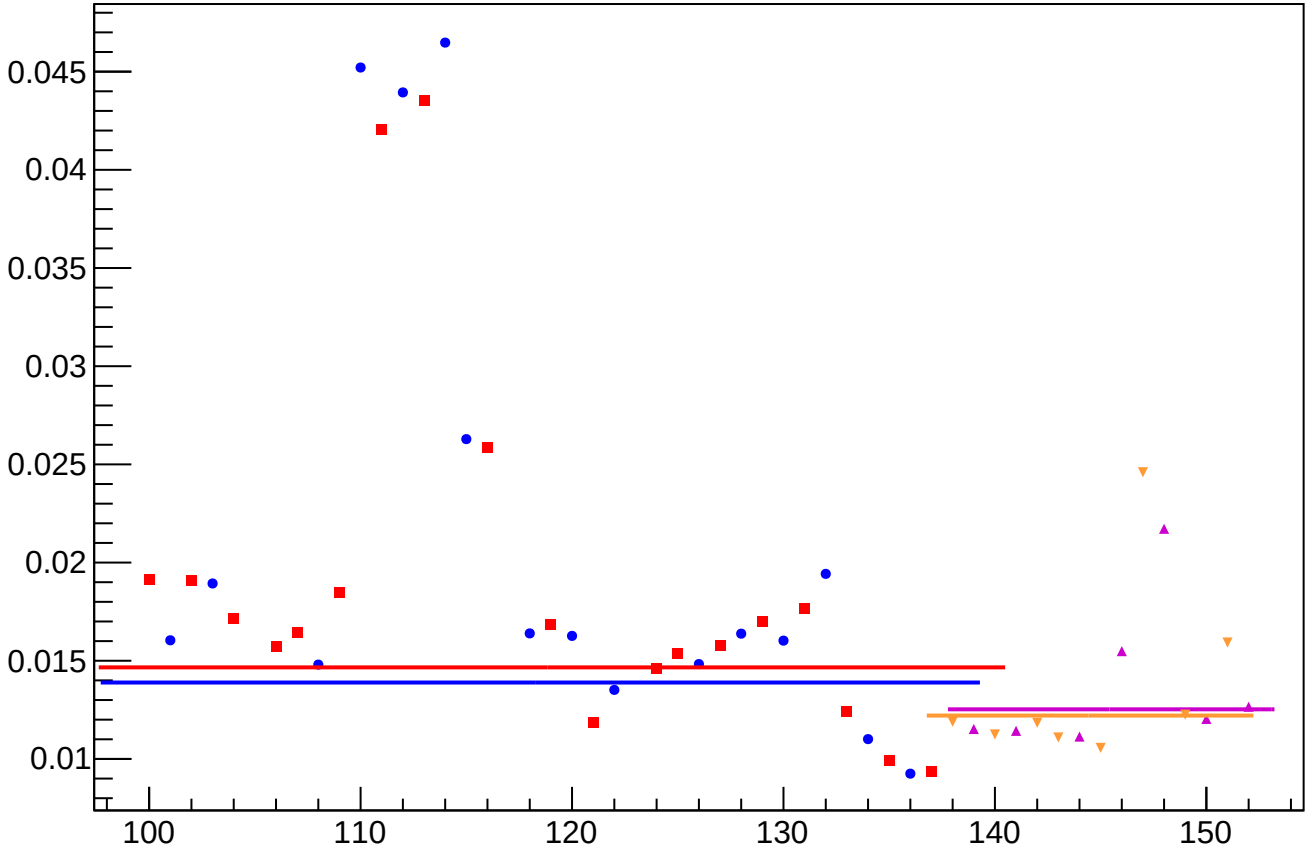
Left In: 0.664+/-0.000 χ^2/NDF:4267337.3/6

+ sign 0.762+/-0.000 χ^2/NDF: 3596855356.0/23

All: 0.771+/-0.000 χ^2/NDF: 7490066091.1/49

- sign 0.781+/-0.000 χ^2/NDF: 3881430289.0/25

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:554565.5/7

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

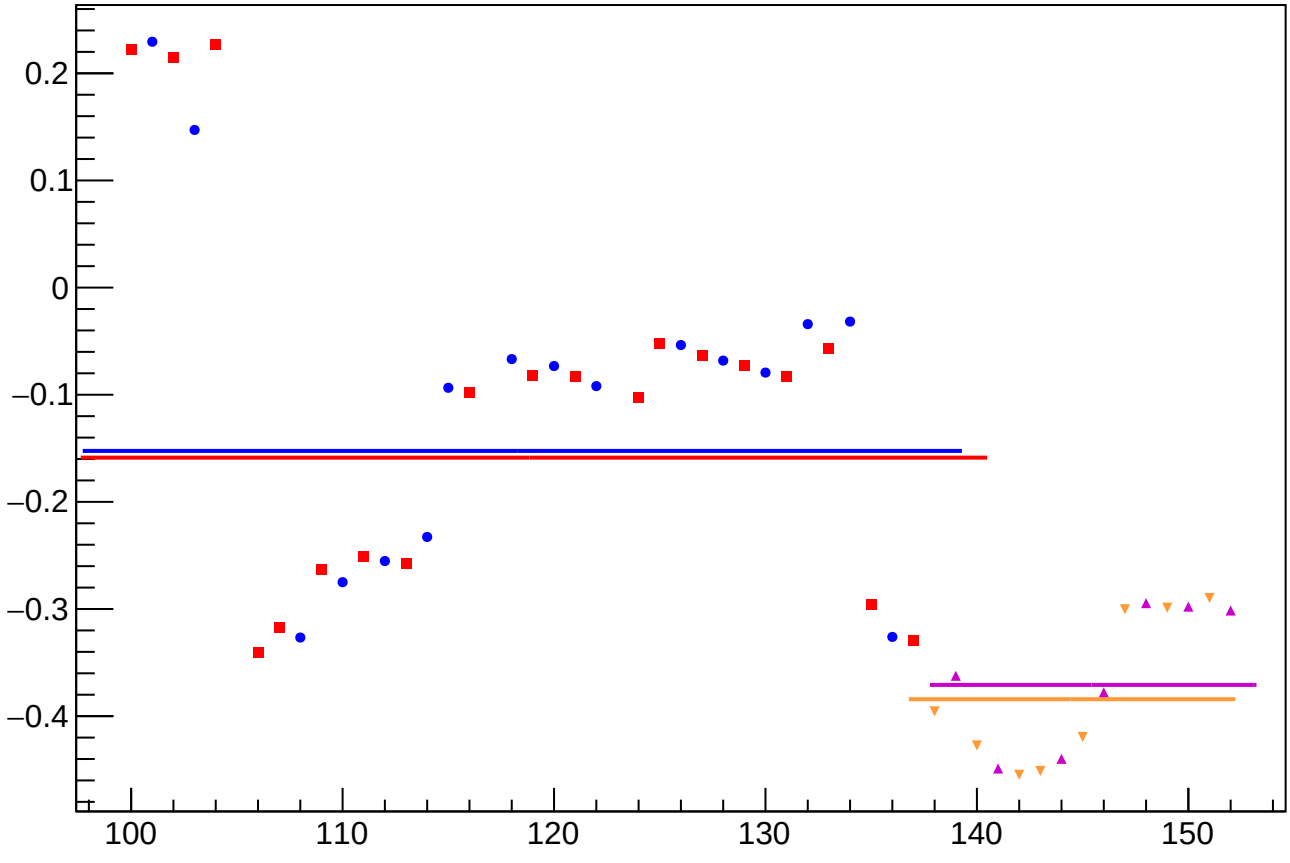
Left In: 0.013+/-0.000 χ^2/NDF:398066.3/6

+ sign 0.013+/-0.000 χ^2/NDF: 2297191.9/23

All: 0.013+/-0.000 χ^2/NDF: 4326120.8/49

- sign 0.013+/-0.000 χ^2/NDF: 2011341.4/25

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.384+/-0.000 χ^2/NDF:64816671.3/7

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

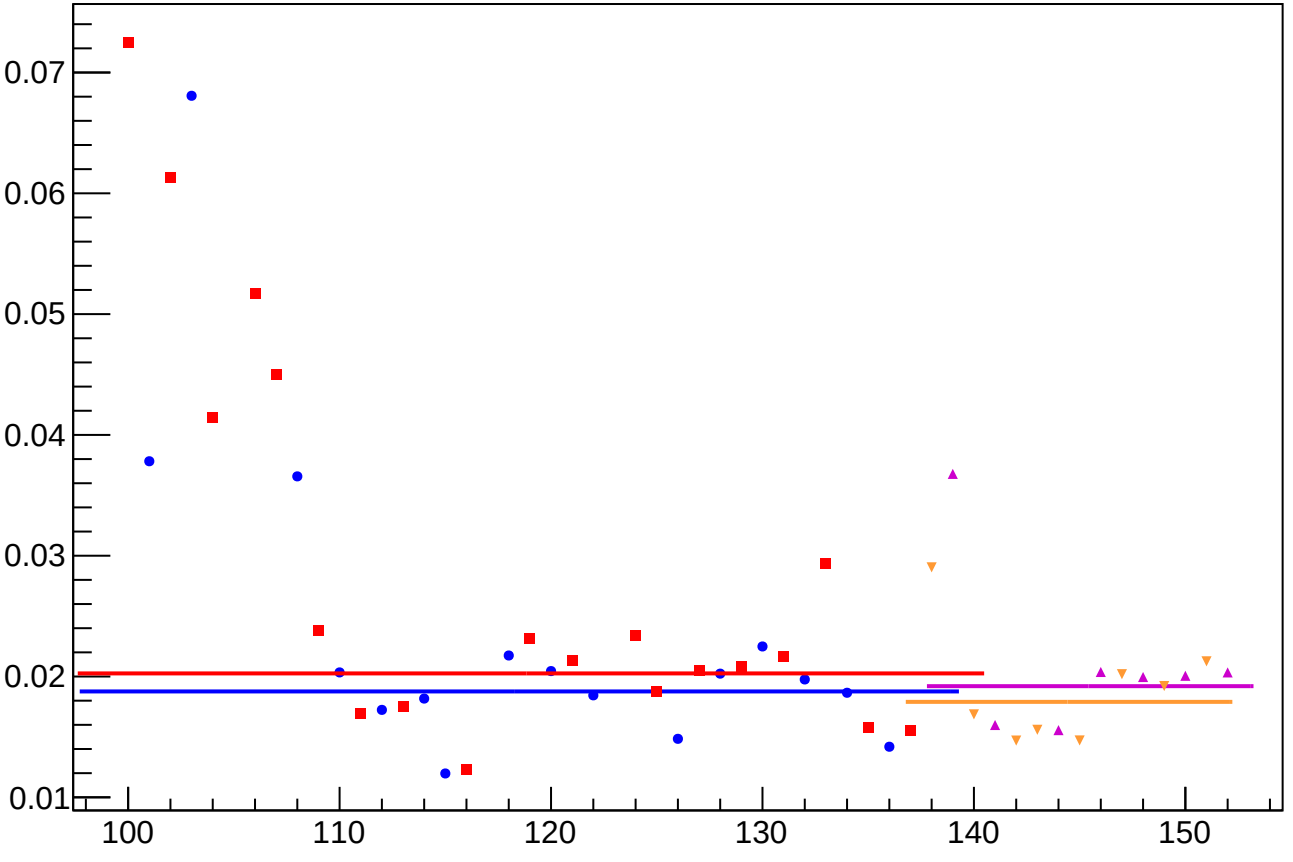
Left In: -0.371+/-0.000 χ^2/NDF:56070939.5/6

+ sign -0.266+/-0.000 χ^2/NDF: 734291229.4/23

All: -0.265+/-0.000 χ^2/NDF: 1279405307.1/4

- sign -0.263+/-0.000 χ^2/NDF: 544969180.4/25

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:371245.4/7

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

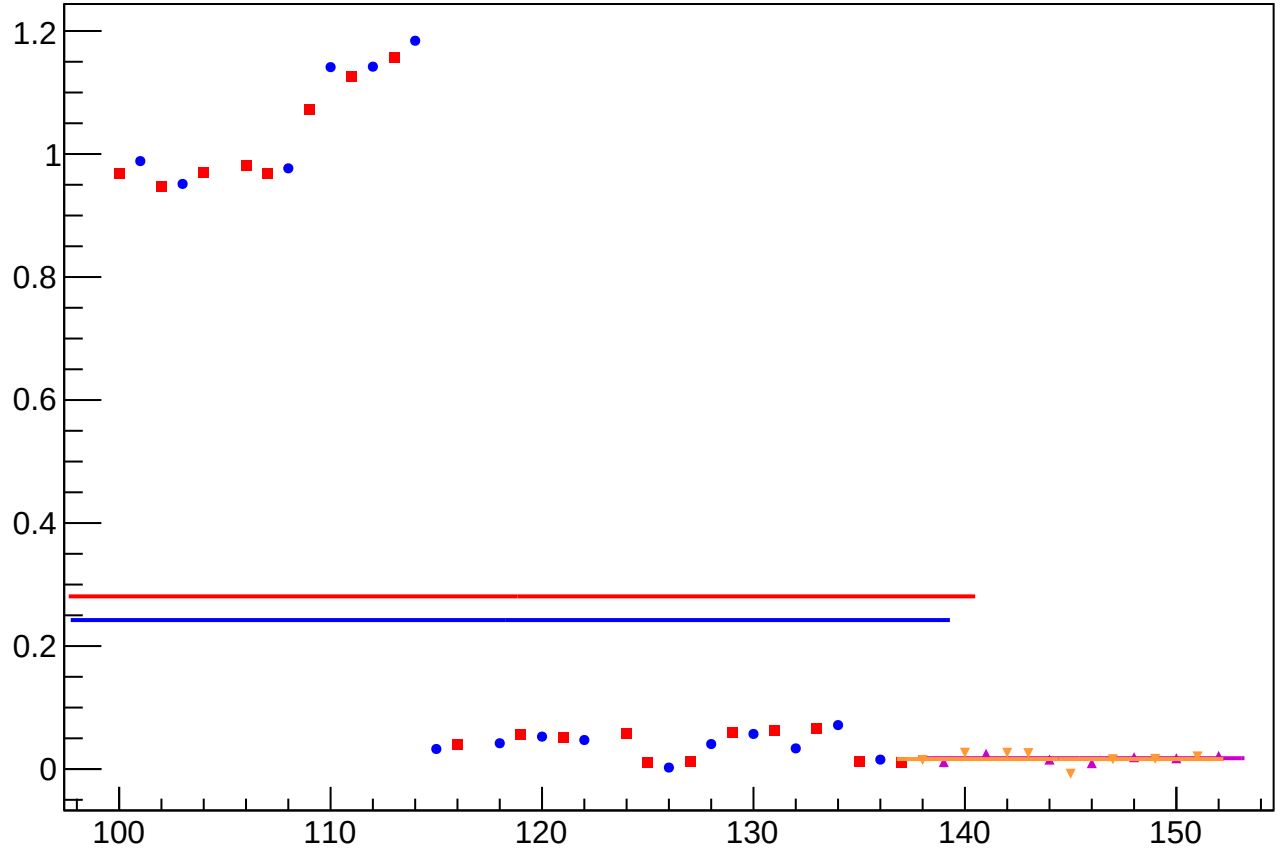
Left In: 0.019+/-0.000 χ^2/NDF:520029.5/6

+ sign 0.018+/-0.000 χ^2/NDF: 1731609.9/23

All: 0.019+/-0.000 χ^2/NDF: 3849764.6/49

- sign 0.020+/-0.000 χ^2/NDF: 2064183.1/25

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:6884984.2/7

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

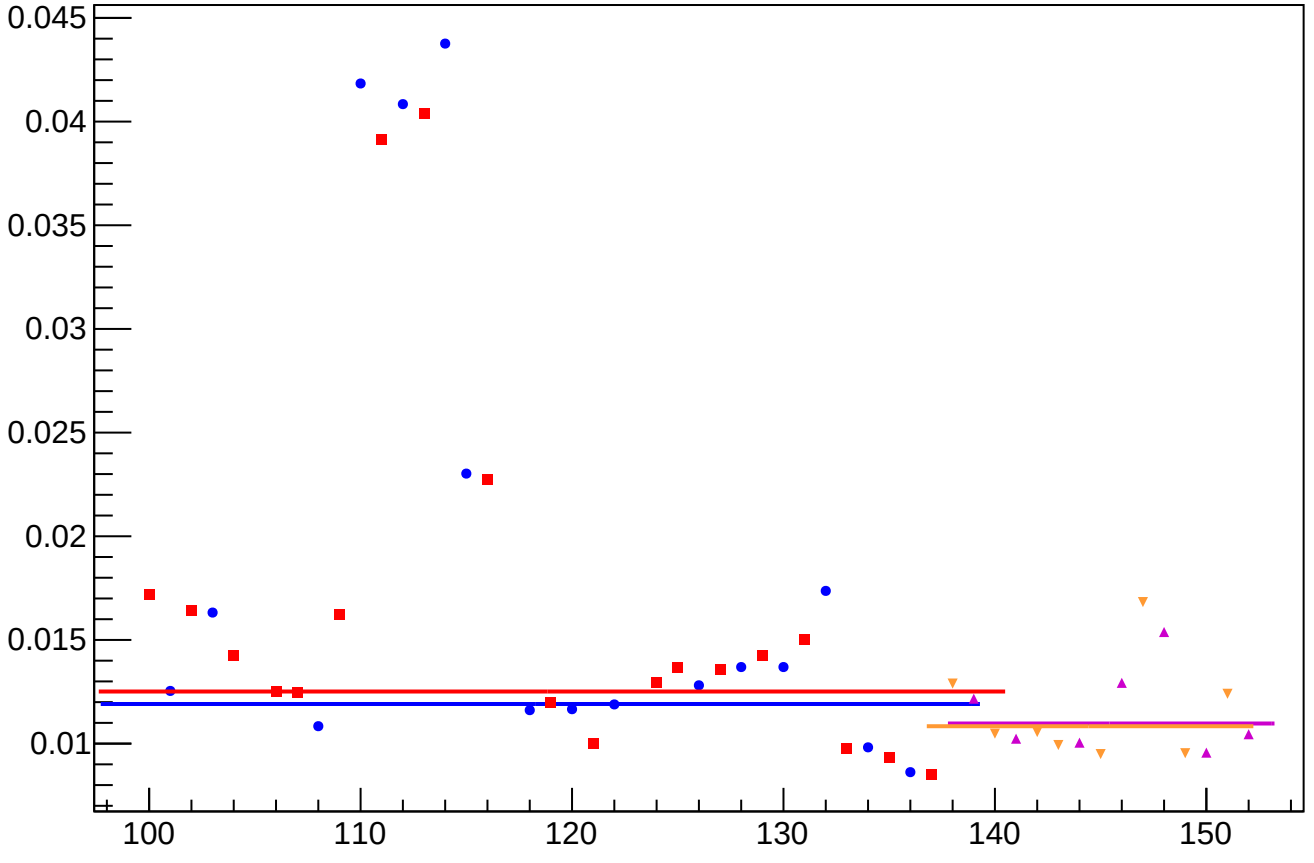
Left In: 0.018+/-0.000 χ^2/NDF:1119287.6/6

+ sign 0.121+/-0.000 χ^2/NDF: 7668791426.3/23

All: 0.128+/-0.000 χ^2/NDF: 15926163477.6/4

- sign 0.136+/-0.000 χ^2/NDF: 8246769345.9/25

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:342792.6/7

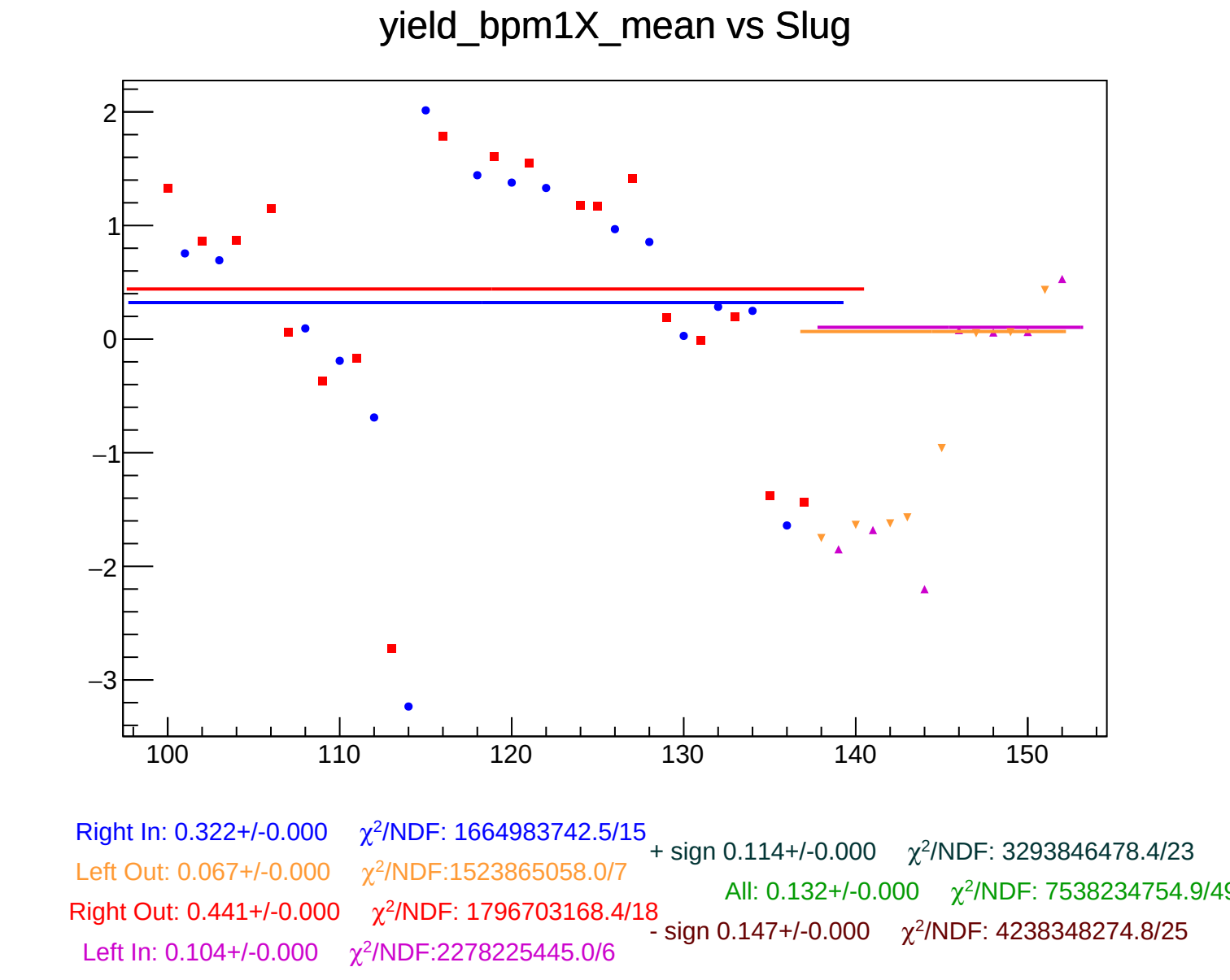
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:250190.8/6

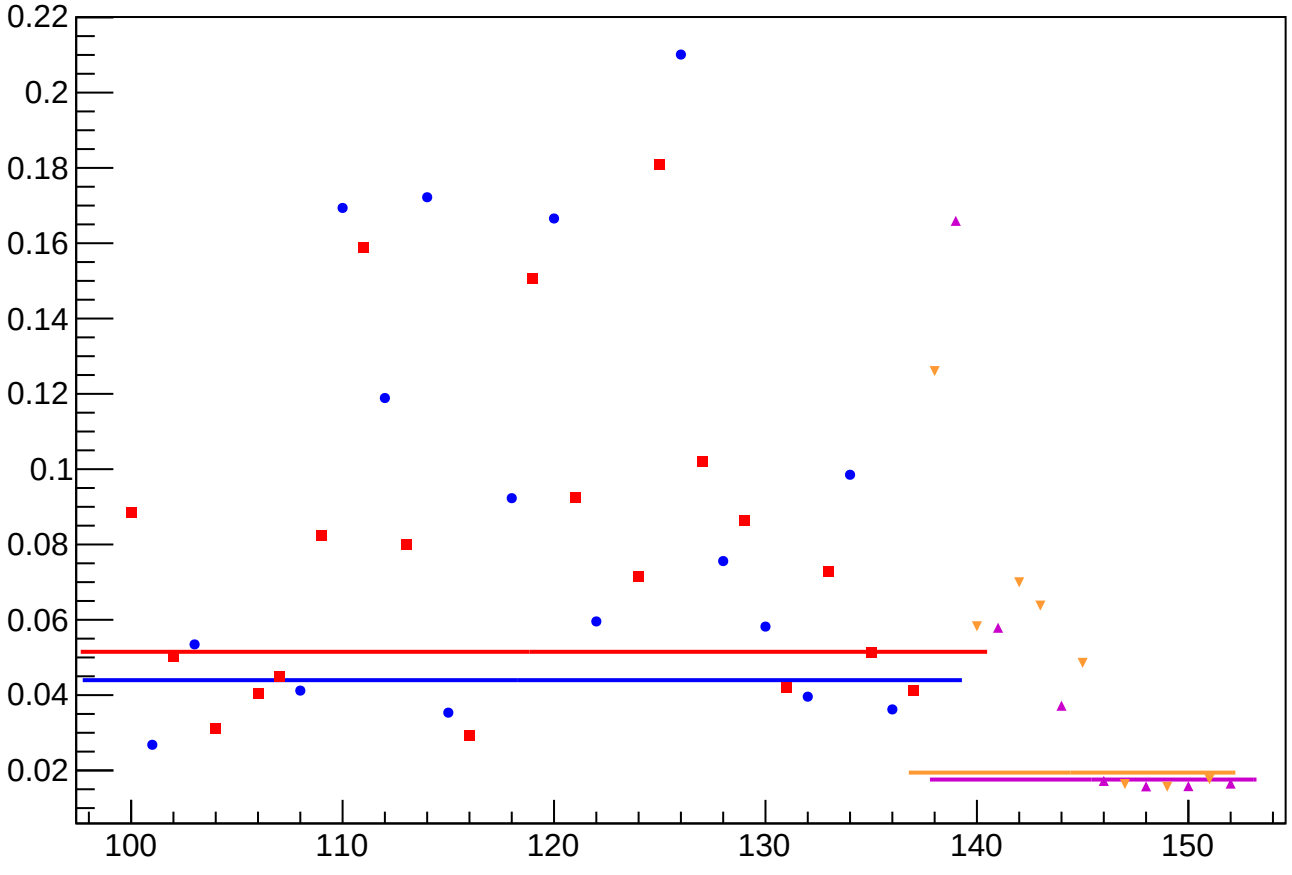
+ sign 0.011+/-0.000 χ^2/NDF: 1854128.0/23

All: 0.011+/-0.000 χ^2/NDF: 3608832.5/49

- sign 0.012+/-0.000 χ^2/NDF: 1744978.6/25


yield_bpm1X_mean vs Slug
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: 0.322+/-0.000 χ²/NDF: 1664983742.5/15
Left Out: 0.067+/-0.000 χ²/NDF:1523865058.0/7
Right Out: 0.441+/-0.000 χ²/NDF: 1796703168.4/18
Left In: 0.104+/-0.000 χ²/NDF:2278225445.0/6
+ sign 0.114+/-0.000 χ²/NDF: 3293846478.4/23
All: 0.132+/-0.000 χ²/NDF: 7538234754.9/49
- sign 0.147+/-0.000 χ²/NDF: 4238348274.8/25

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:2583808.7/7

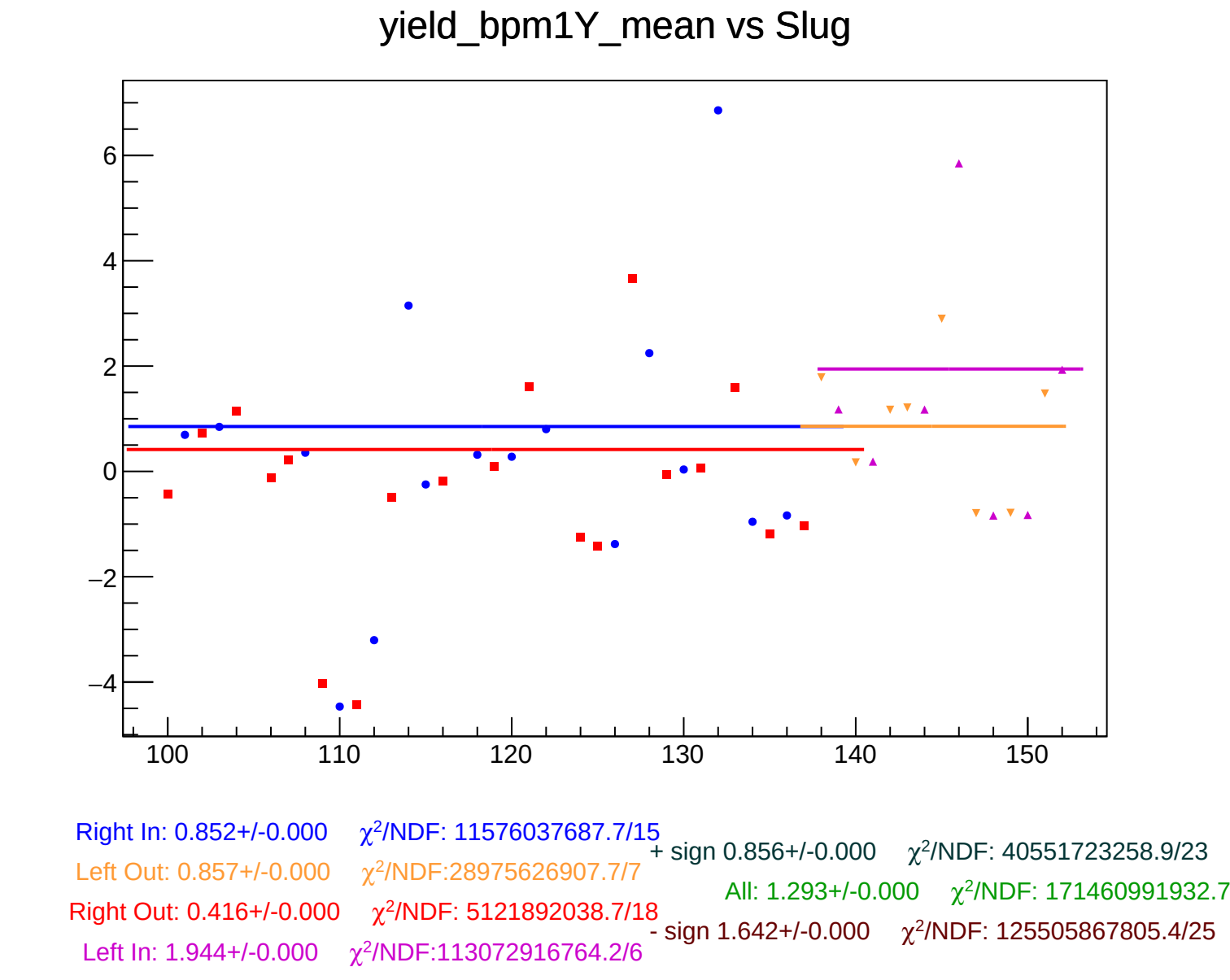
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.018+/-0.000 χ^2/NDF:1925412.7/6

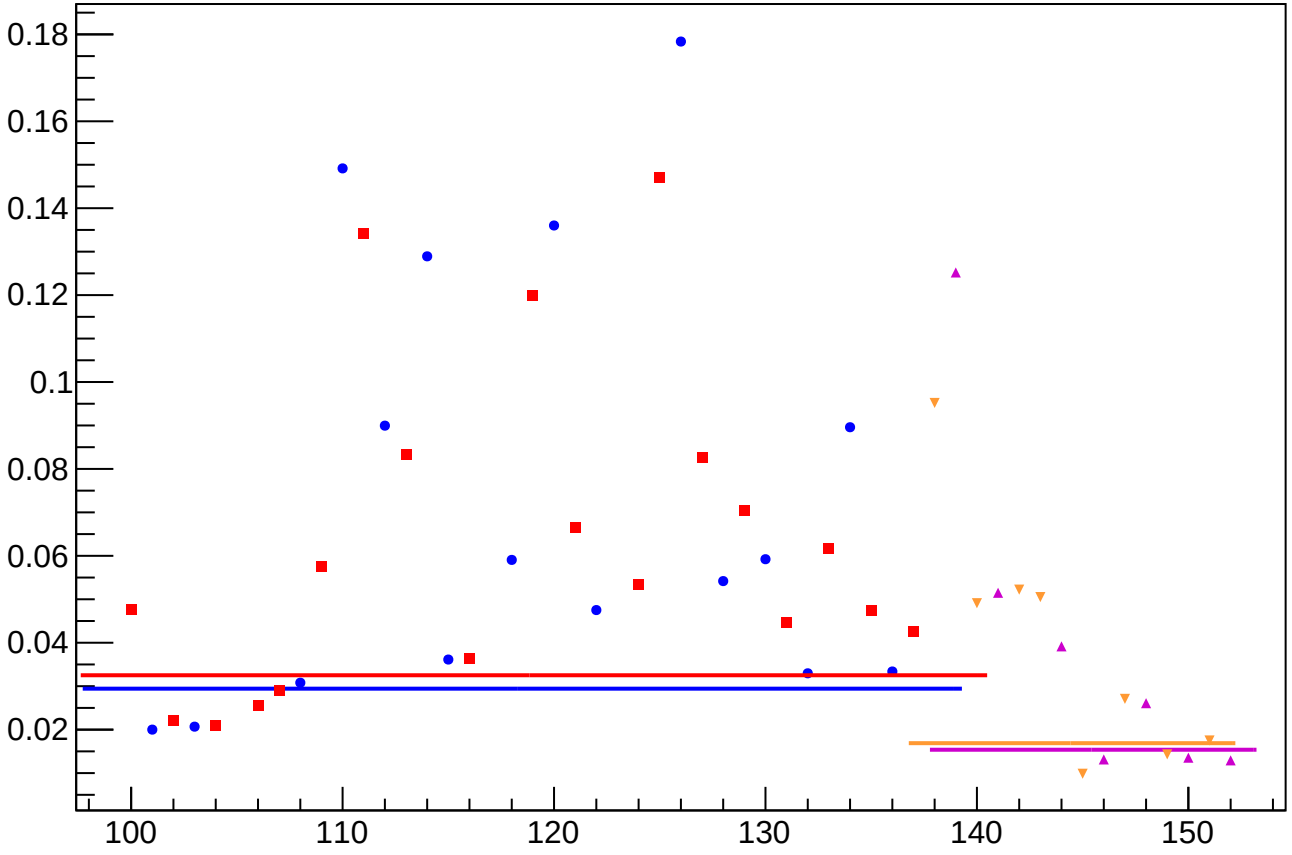
+ sign 0.024+/-0.000 χ^2/NDF: 7317726.1/23

All: 0.023+/-0.000 χ^2/NDF: 14976126.7/49

- sign 0.022+/-0.000 χ^2/NDF: 7604334.6/25


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
Right In: 0.852+/-0.000 χ²/NDF: 11576037687.7/15
Left Out: 0.857+/-0.000 χ²/NDF:28975626907.7/7
Right Out: 0.416+/-0.000 χ²/NDF: 5121892038.7/18
Left In: 1.944+/-0.000 χ²/NDF:113072916764.2/6
+ sign 0.856+/-0.000 χ²/NDF: 40551723258.9/23
All: 1.293+/-0.000 χ²/NDF: 171460991932.7
- sign 1.642+/-0.000 χ²/NDF: 125505867805.4/25

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:2541290.9/7

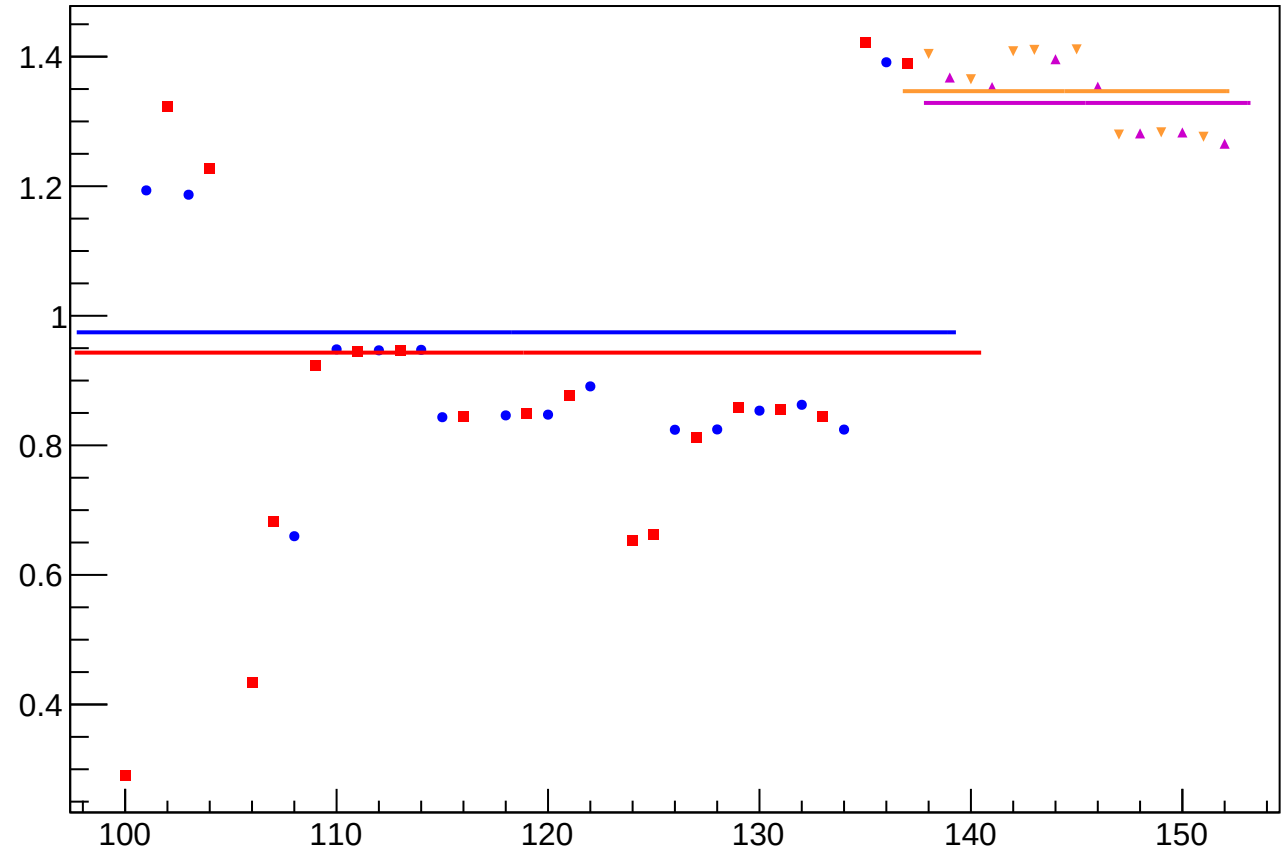
Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.015+/-0.000 χ^2/NDF:2374335.4/6

+ sign 0.020+/-0.000 χ^2/NDF: 6711013.7/23

All: 0.019+/-0.000 χ^2/NDF: 14279688.1/49

- sign 0.019+/-0.000 χ^2/NDF: 7528665.6/25



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.347+/-0.000 χ^2/NDF:125453711.0/7

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

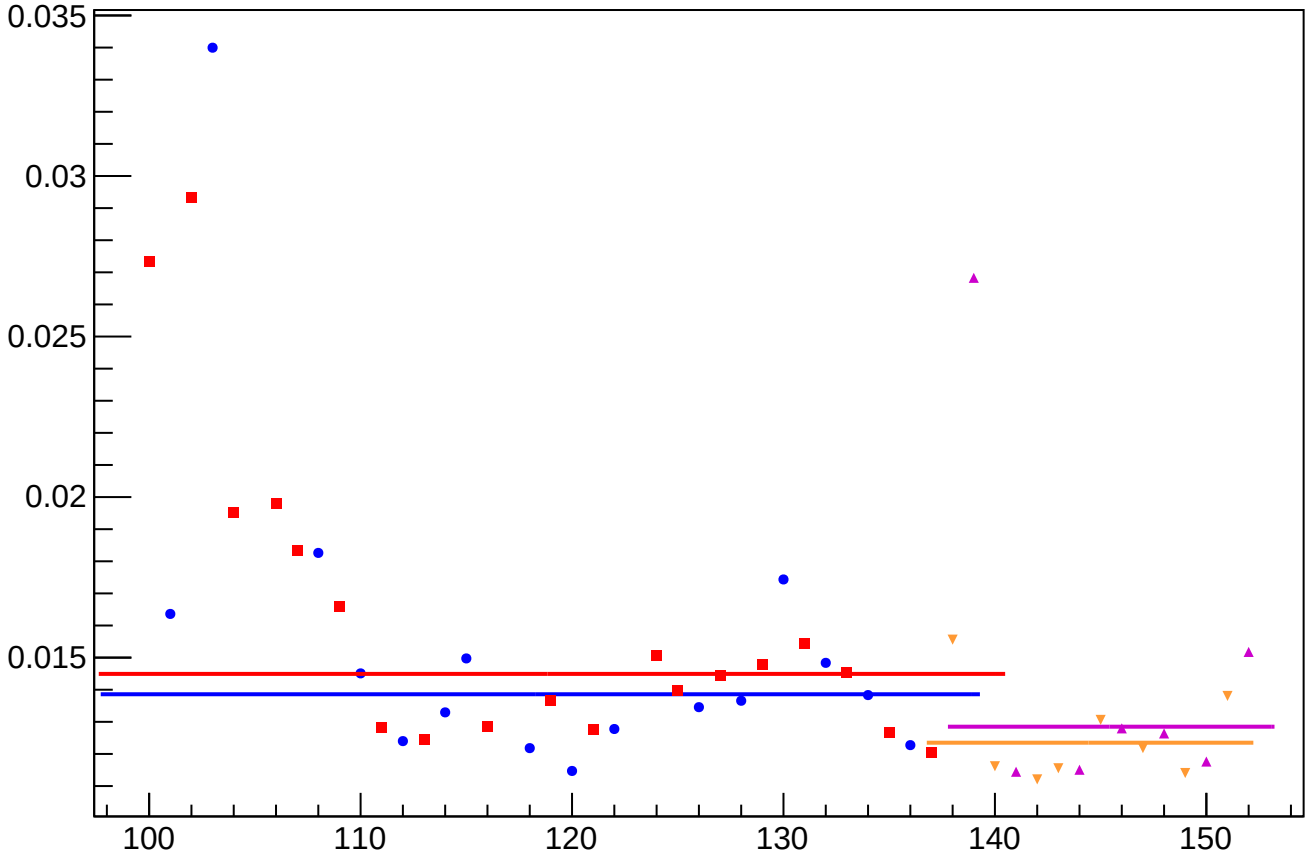
Left In: 1.329+/-0.000 χ^2/NDF:72207236.9/6

+ sign 1.166+/-0.000 χ^2/NDF: 3896456731.6/23

All: 1.154+/-0.000 χ^2/NDF: 7976299314.0/49

- sign 1.140+/-0.000 χ^2/NDF: 4057040098.6/25

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:105548.9/7

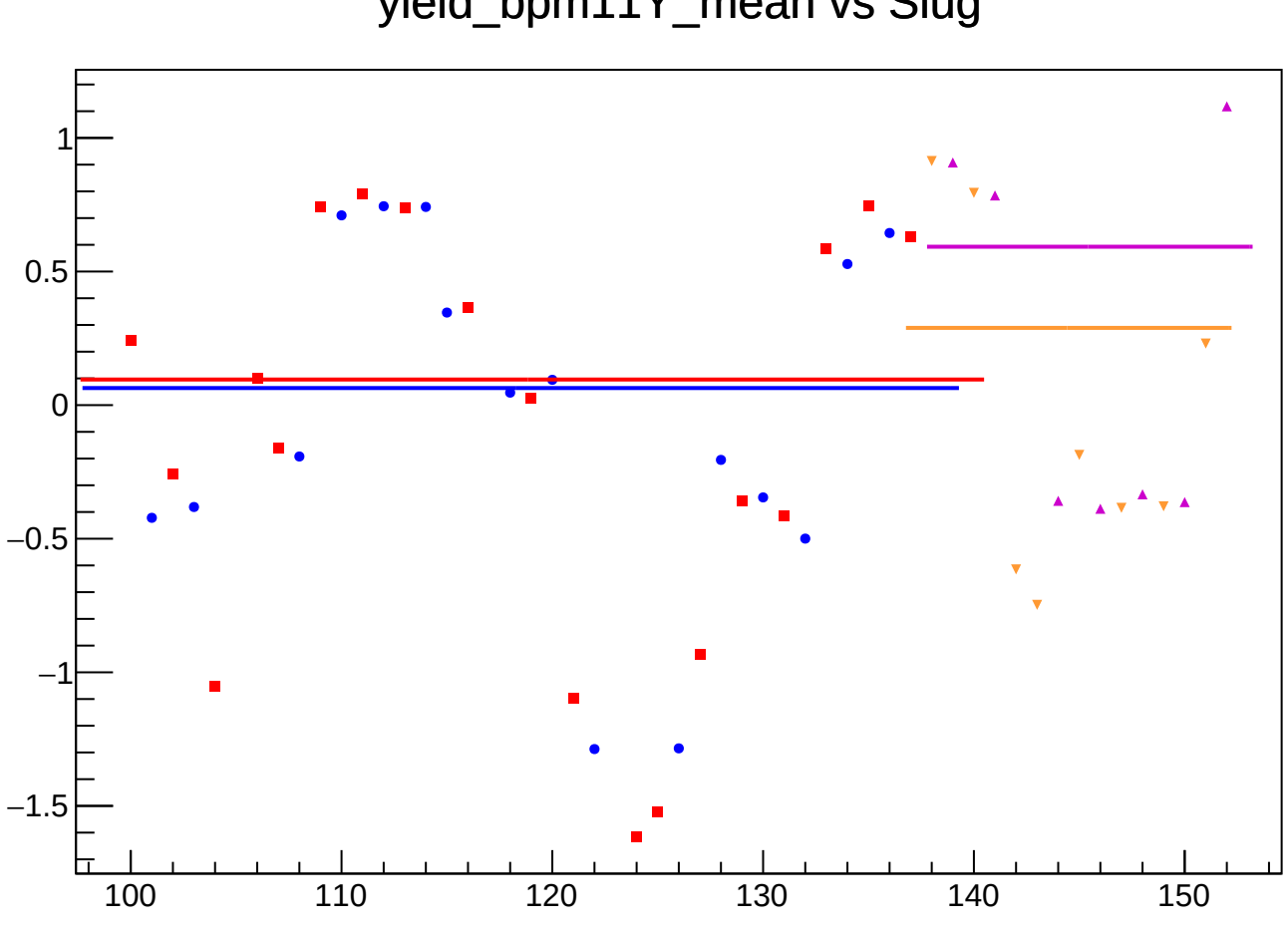
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:535527.6/6

+ sign 0.013+/-0.000 χ^2/NDF: 781530.5/23

All: 0.013+/-0.000 χ^2/NDF: 1966797.7/49

- sign 0.014+/-0.000 χ^2/NDF: 1164101.3/25



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.289+/-0.000 χ^2/NDF:19240146875.8/7

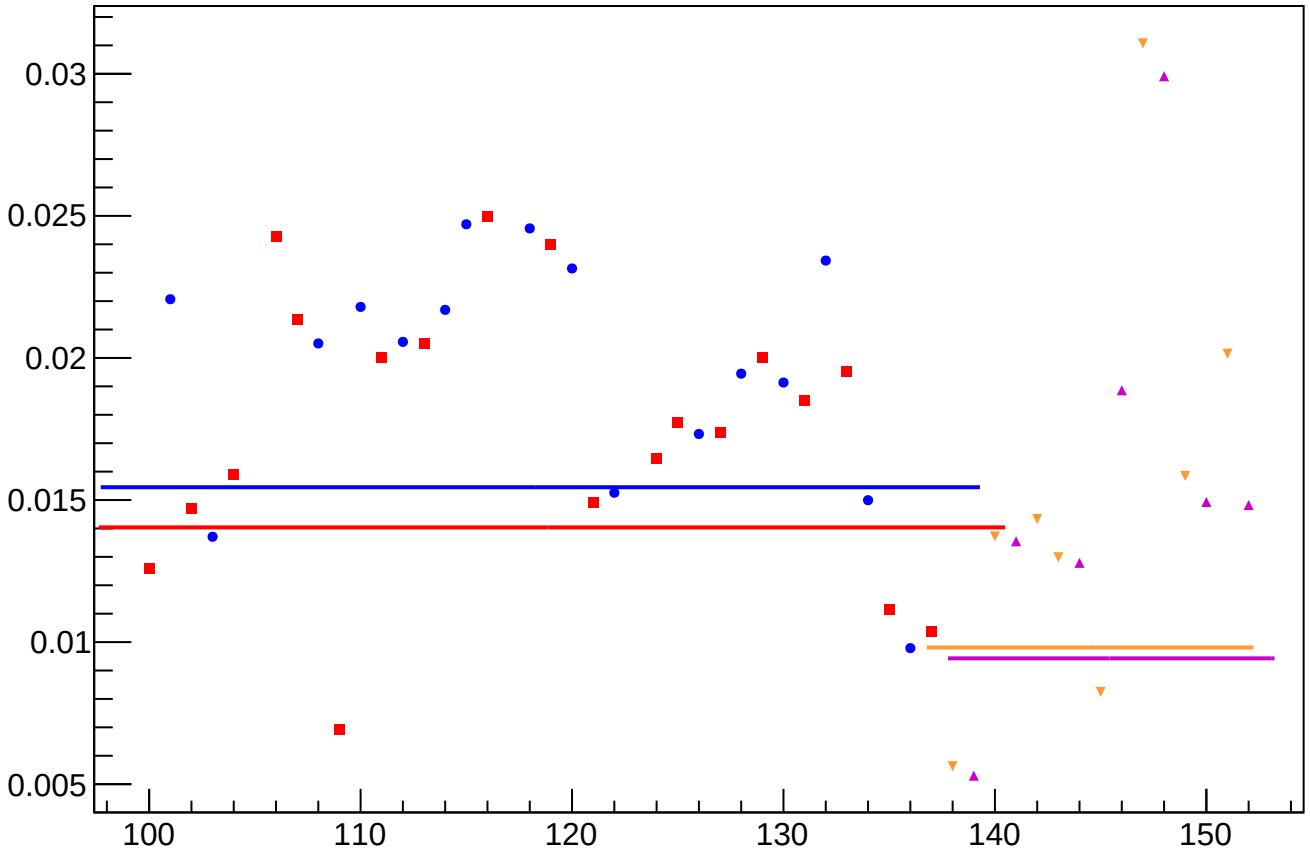
Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.593+/-0.000 χ^2/NDF:15295934225.9/6

+ sign 0.209+/-0.000 χ^2/NDF: 31100903006.2/23

All: 0.312+/-0.000 χ^2/NDF: 70182803111.6/4

- sign 0.405+/-0.000 χ^2/NDF: 37658530588.7/25



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:2403266.9/7

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

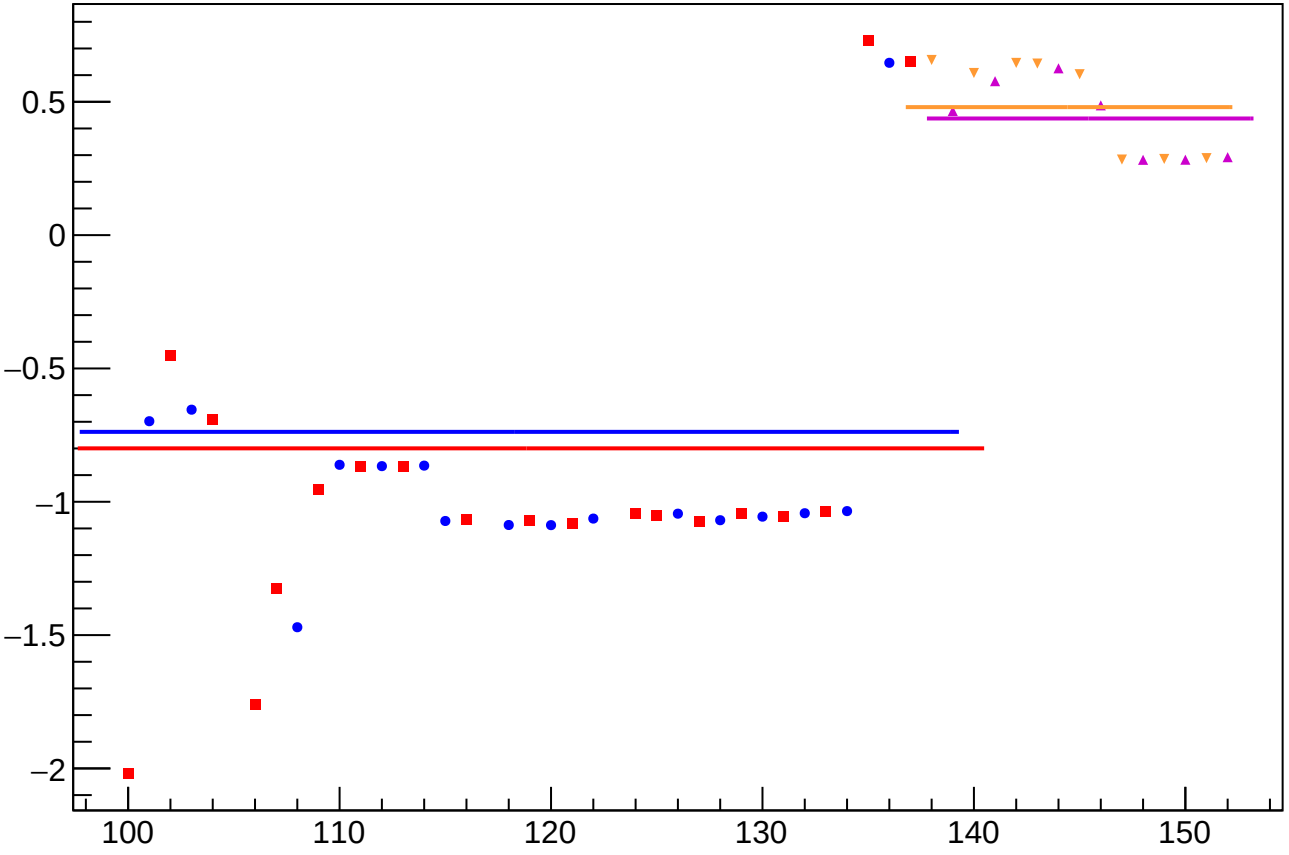
Left In: 0.009+/-0.000 χ^2/NDF:2825180.2/6

+ sign 0.012+/-0.000 χ^2/NDF: 4731461.4/23

All: 0.011+/-0.000 χ^2/NDF: 10060630.0/49

- sign 0.011+/-0.000 χ^2/NDF: 5299281.3/25

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.480+/-0.000 χ^2/NDF:153137574.0/7

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

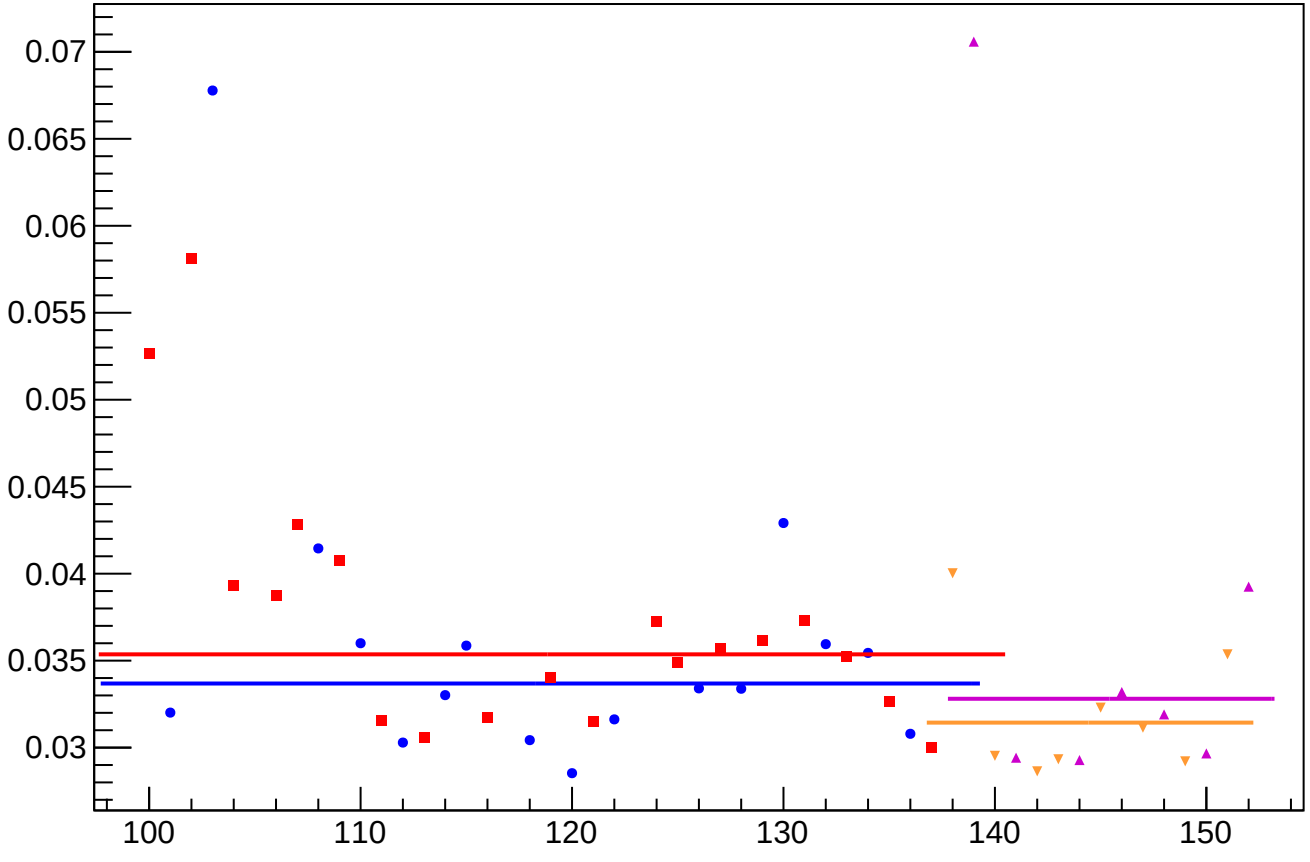
Left In: 0.437+/-0.000 χ^2/NDF:102334366.6/6

+ sign -0.144+/-0.000 χ^2/NDF: 6240202964.7/23

All: -0.172+/-0.000 χ^2/NDF: 12072626525.8/

- sign -0.201+/-0.000 χ^2/NDF: 5815696943.2/25

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.031+/-0.000 χ^2/NDF:107558.2/7

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

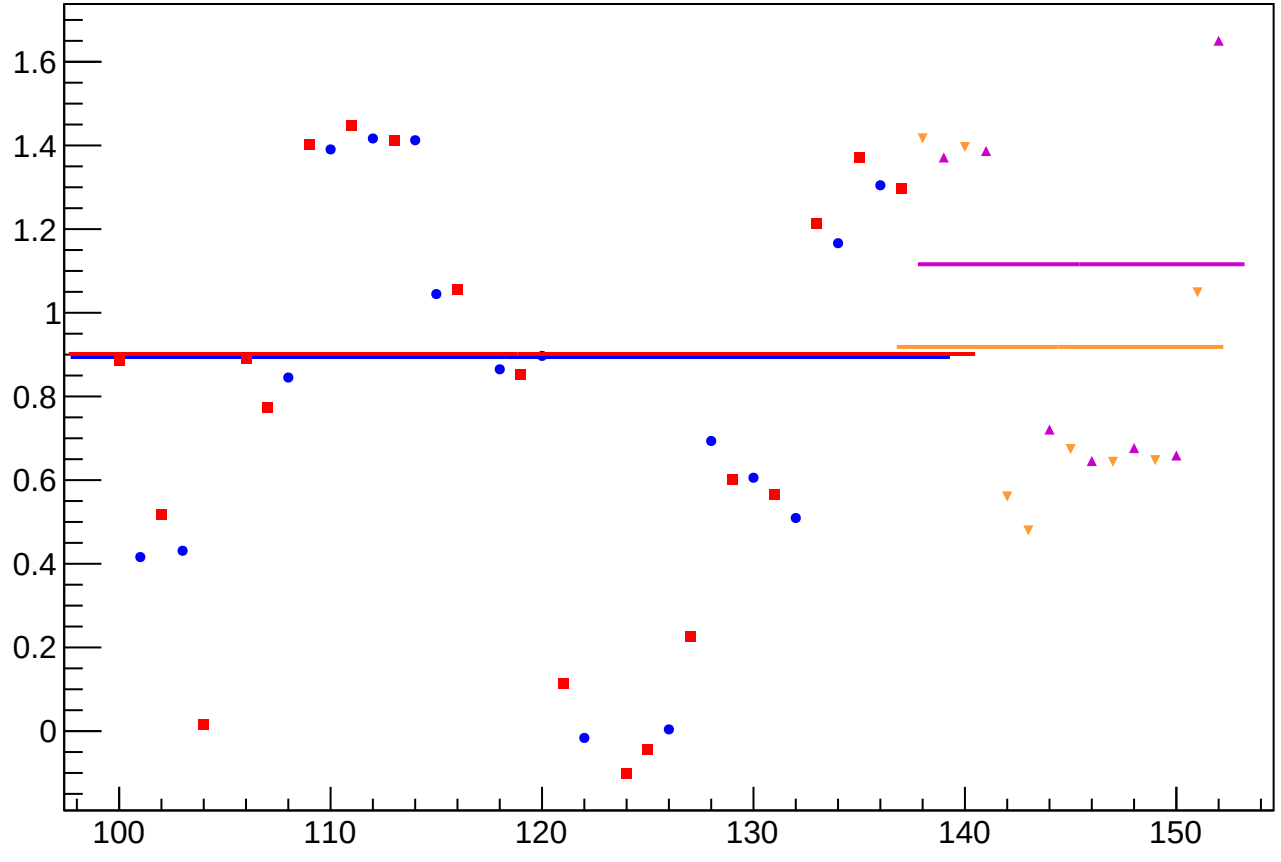
Left In: 0.033+/-0.000 χ^2/NDF:568072.6/6

+ sign 0.033+/-0.000 χ^2/NDF: 555143.3/23

All: 0.033+/-0.000 χ^2/NDF: 1476799.8/49

- sign 0.034+/-0.000 χ^2/NDF: 897082.6/25

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 0.918+/-0.000 χ^2/NDF:10067046679.3/7

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

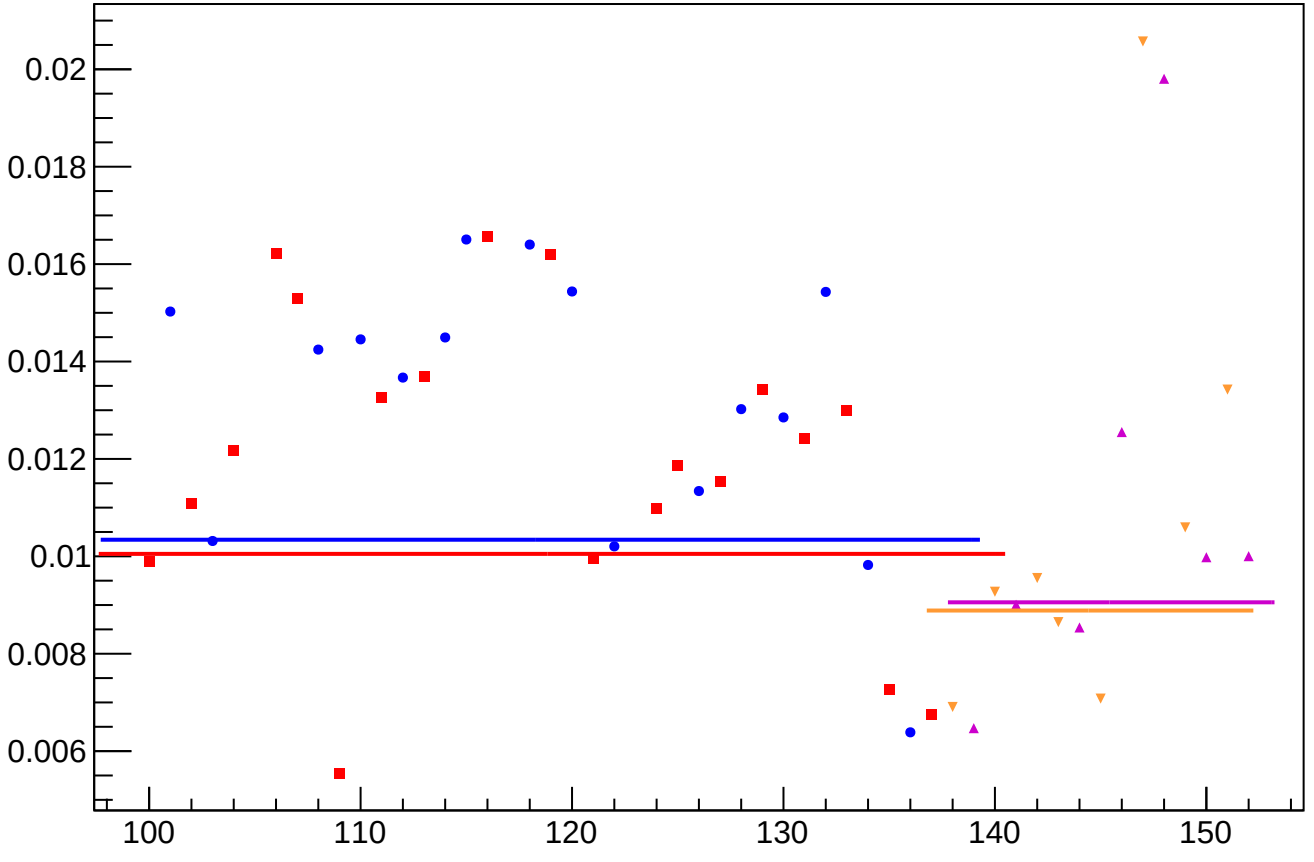
Left In: 1.116+/-0.000 χ^2/NDF:9543676619.4/6

+ sign 0.908+/-0.000 χ^2/NDF: 22834458934.1/23

All: 0.961+/-0.000 χ^2/NDF: 52399468383.6/4

- sign 1.013+/-0.000 χ^2/NDF: 28875130166.0/25

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:955500.7/7

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

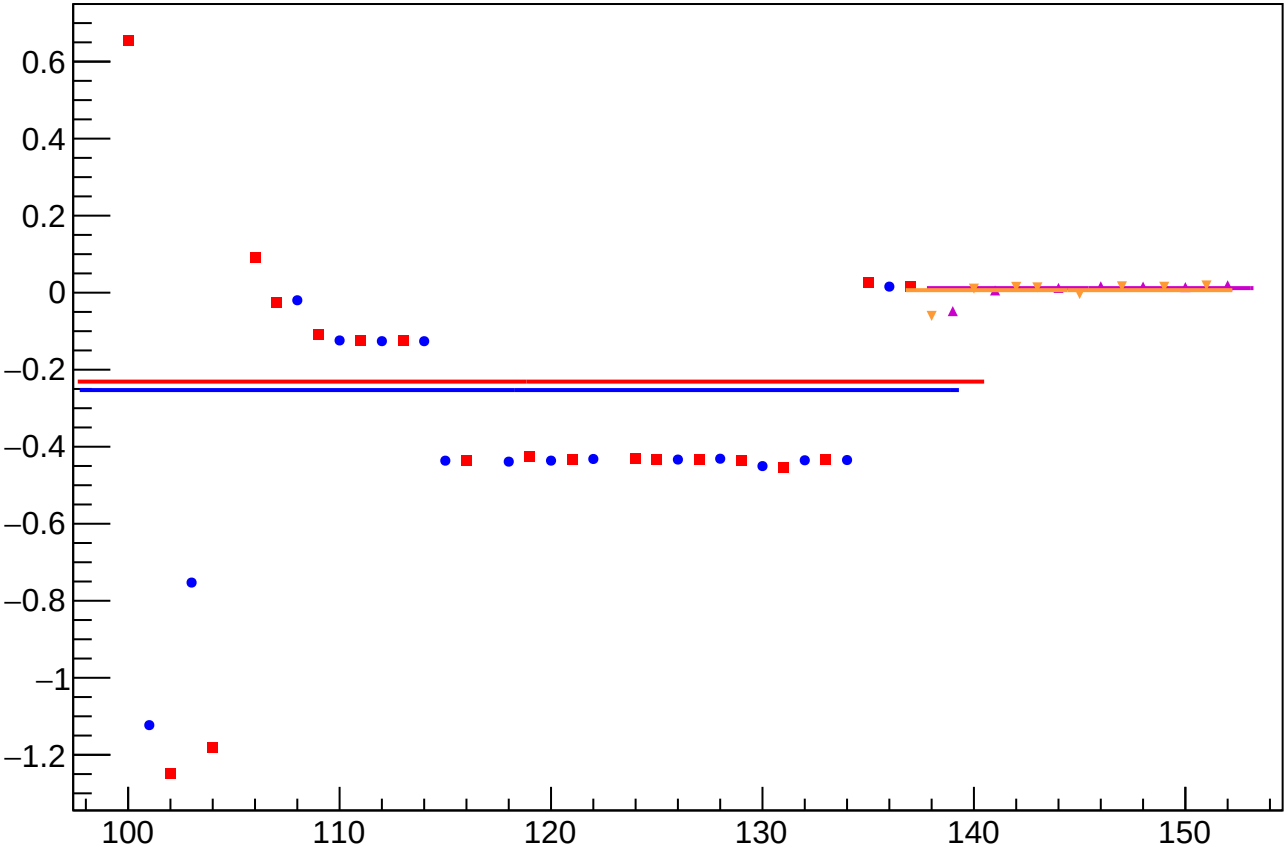
Left In: 0.009+/-0.000 χ^2/NDF:870410.2/6

+ sign 0.010+/-0.000 χ^2/NDF: 2435310.2/23

All: 0.010+/-0.000 χ^2/NDF: 4704433.1/49

- sign 0.010+/-0.000 χ^2/NDF: 2269113.2/25

yield_bpm16X_mean vs Slug



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:20018471.1/7

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

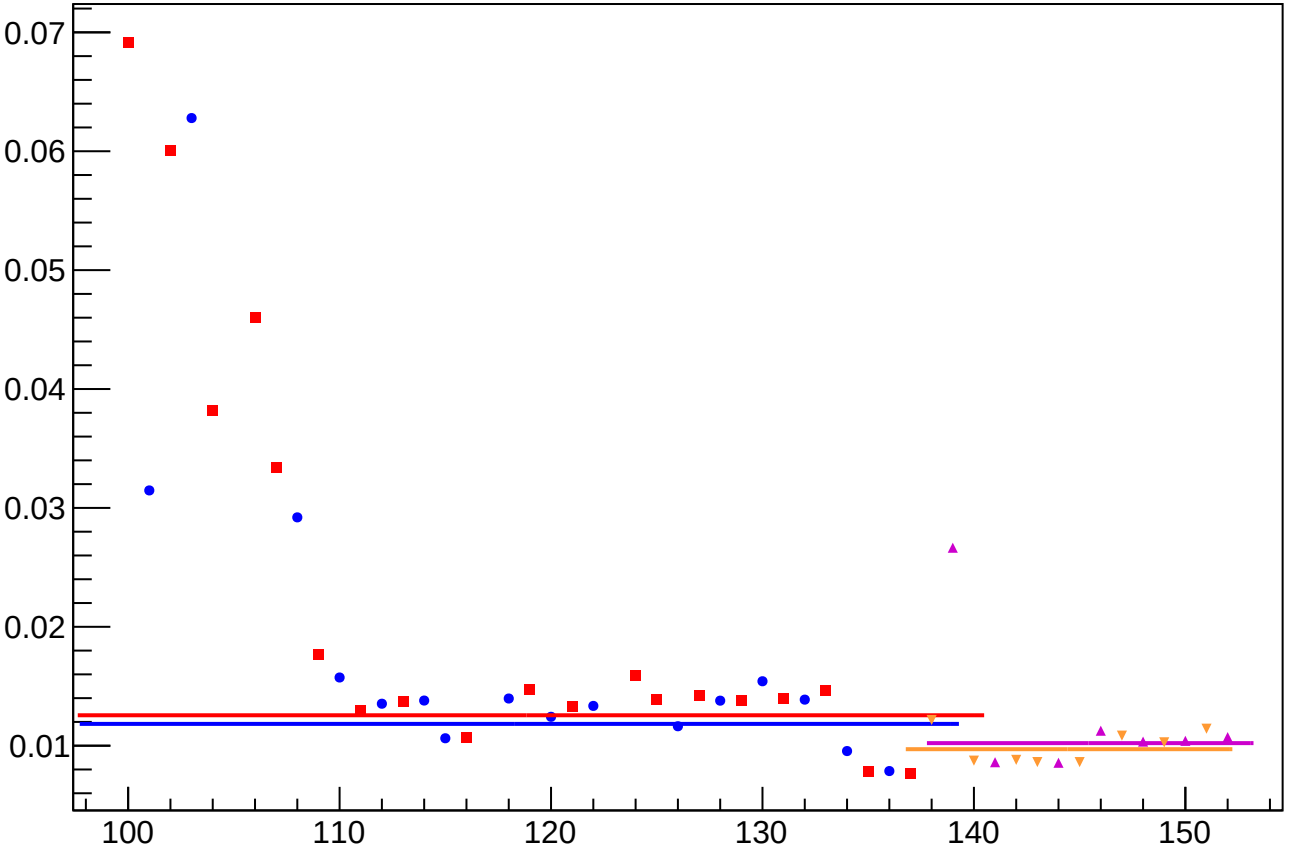
Left In: 0.012+/-0.000 χ^2/NDF:5136810.2/6

+ sign -0.099+/-0.000 χ^2/NDF: 3460411446.7/23

All: -0.094+/-0.000 χ^2/NDF: 6383372361.3/4

- sign -0.088+/-0.000 χ^2/NDF: 2917485658.6/25

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:159193.2/7

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

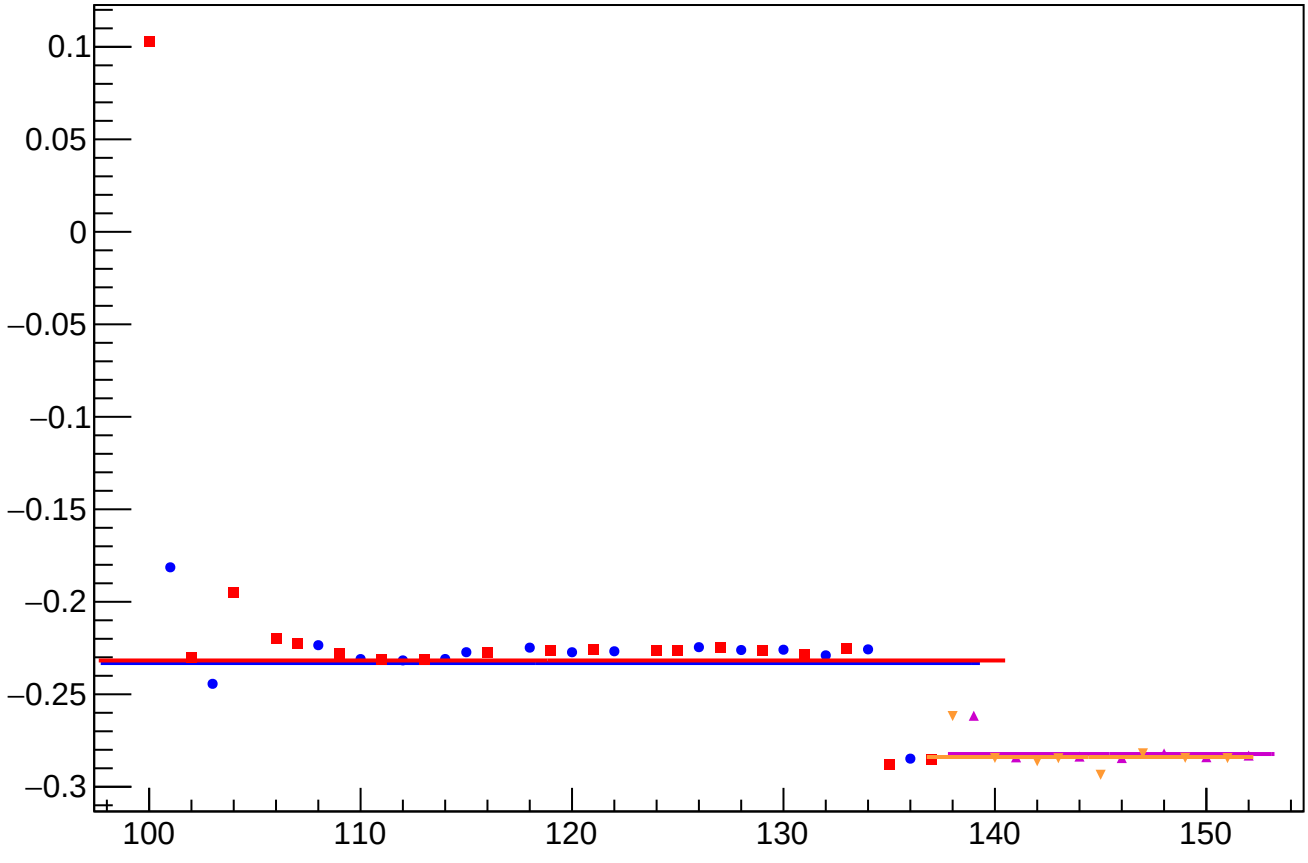
Left In: 0.010+/-0.000 χ^2/NDF:748720.7/6

+ sign 0.011+/-0.000 χ^2/NDF: 2292110.6/23

All: 0.011+/-0.000 χ^2/NDF: 5493724.6/49

- sign 0.011+/-0.000 χ^2/NDF: 3171759.0/25

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:14471835.9/7

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

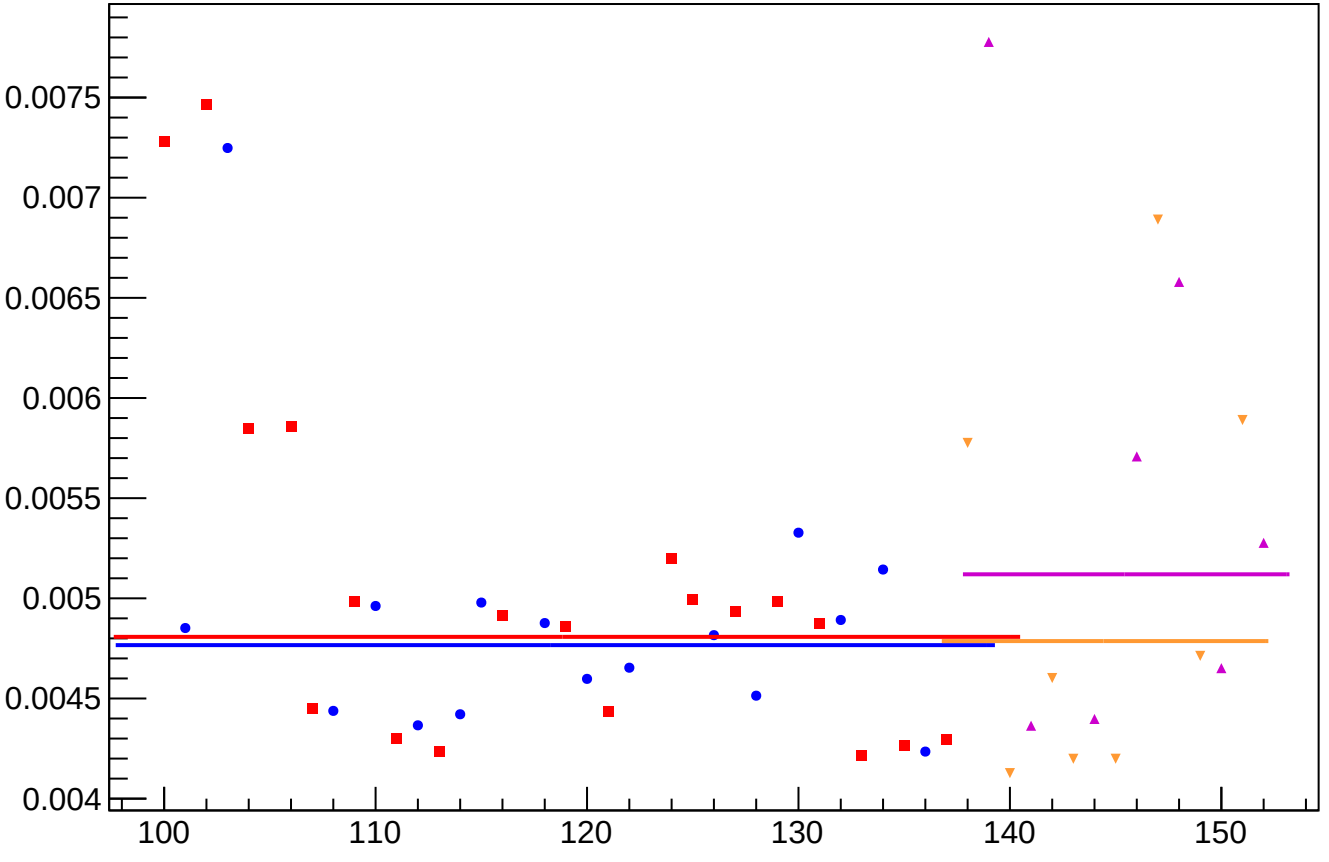
Left In: -0.282+/-0.000 χ^2/NDF:6136487.7/6

+ sign -0.257+/-0.000 χ^2/NDF: 551174331.4/23

All: -0.255+/-0.000 χ^2/NDF: 1160268087.6/4

- sign -0.253+/-0.000 χ^2/NDF: 605873697.0/25

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:346228.8/7

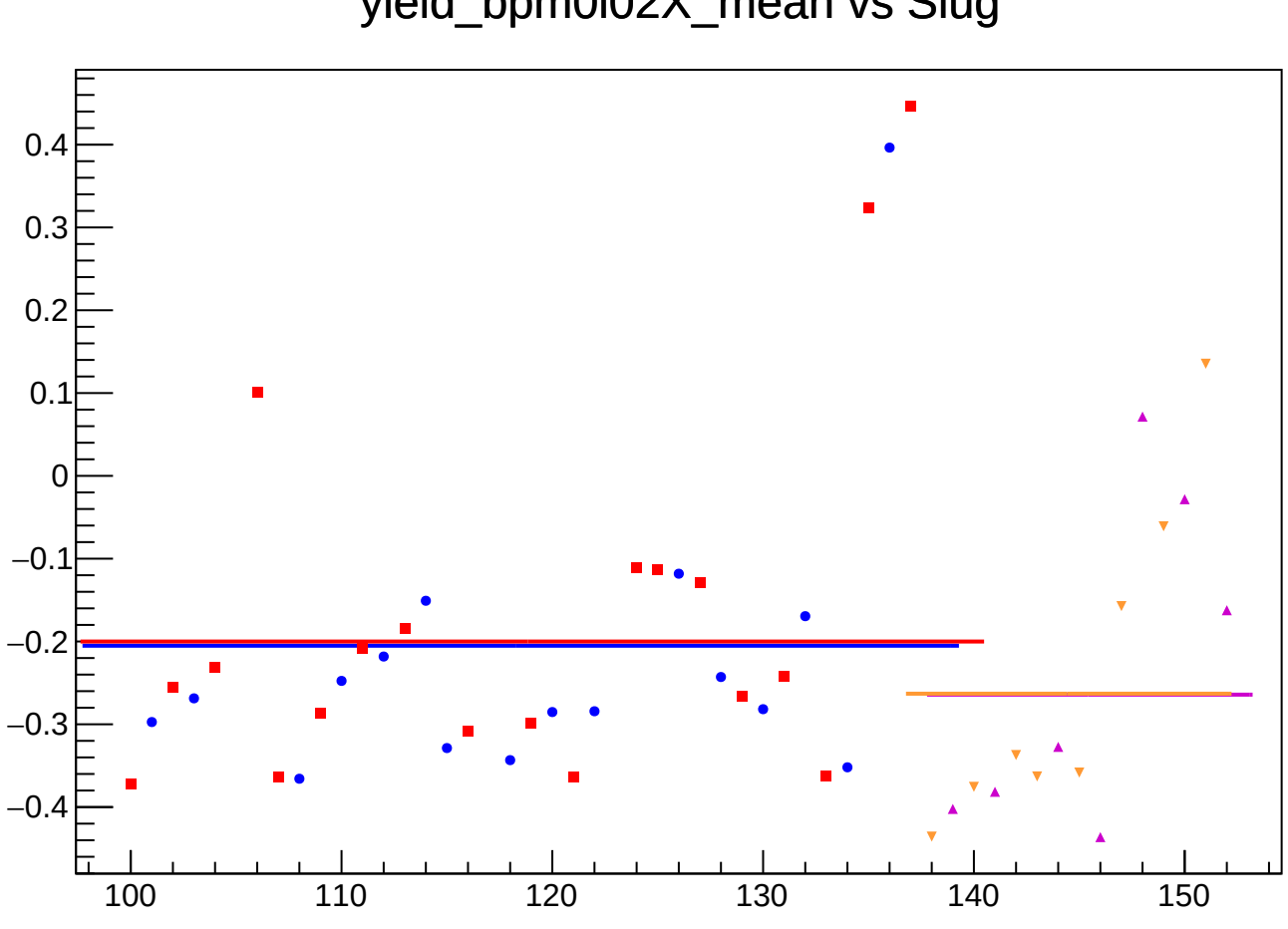
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:394382.0/6

+ sign 0.005+/-0.000 χ^2/NDF: 538095.1/23

All: 0.005+/-0.000 χ^2/NDF: 1263773.1/49

- sign 0.005+/-0.000 χ^2/NDF: 711952.7/25



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.263+/-0.000 χ^2/NDF:6565107567.8/7

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

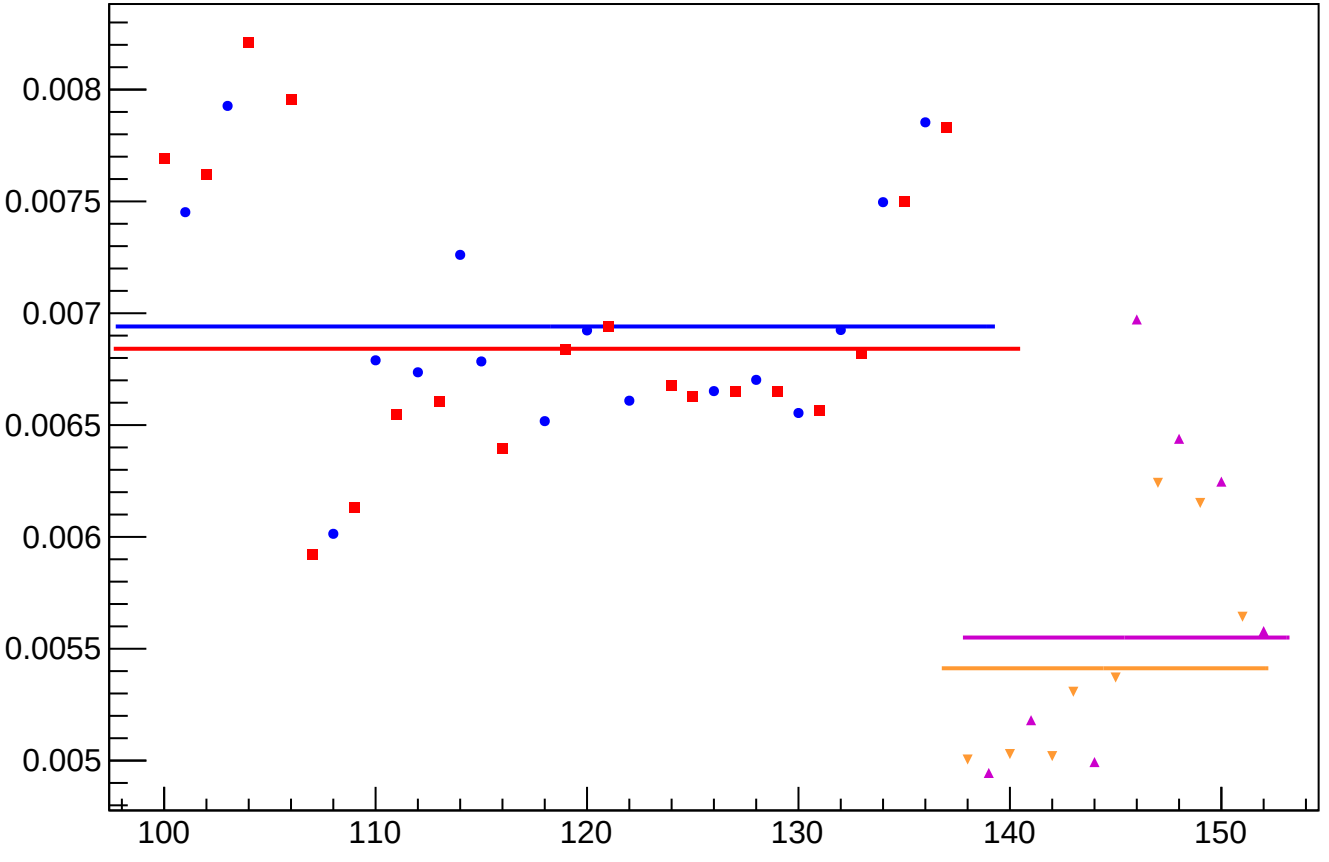
Left In: -0.264+/-0.000 χ^2/NDF:4951472705.1/6

+ sign -0.238+/-0.000 χ^2/NDF: 13032861914.5/23

All: -0.236+/-0.000 χ^2/NDF: 23575722774.1/

- sign -0.234+/-0.000 χ^2/NDF: 10540580637.7/25

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:74463.7/7

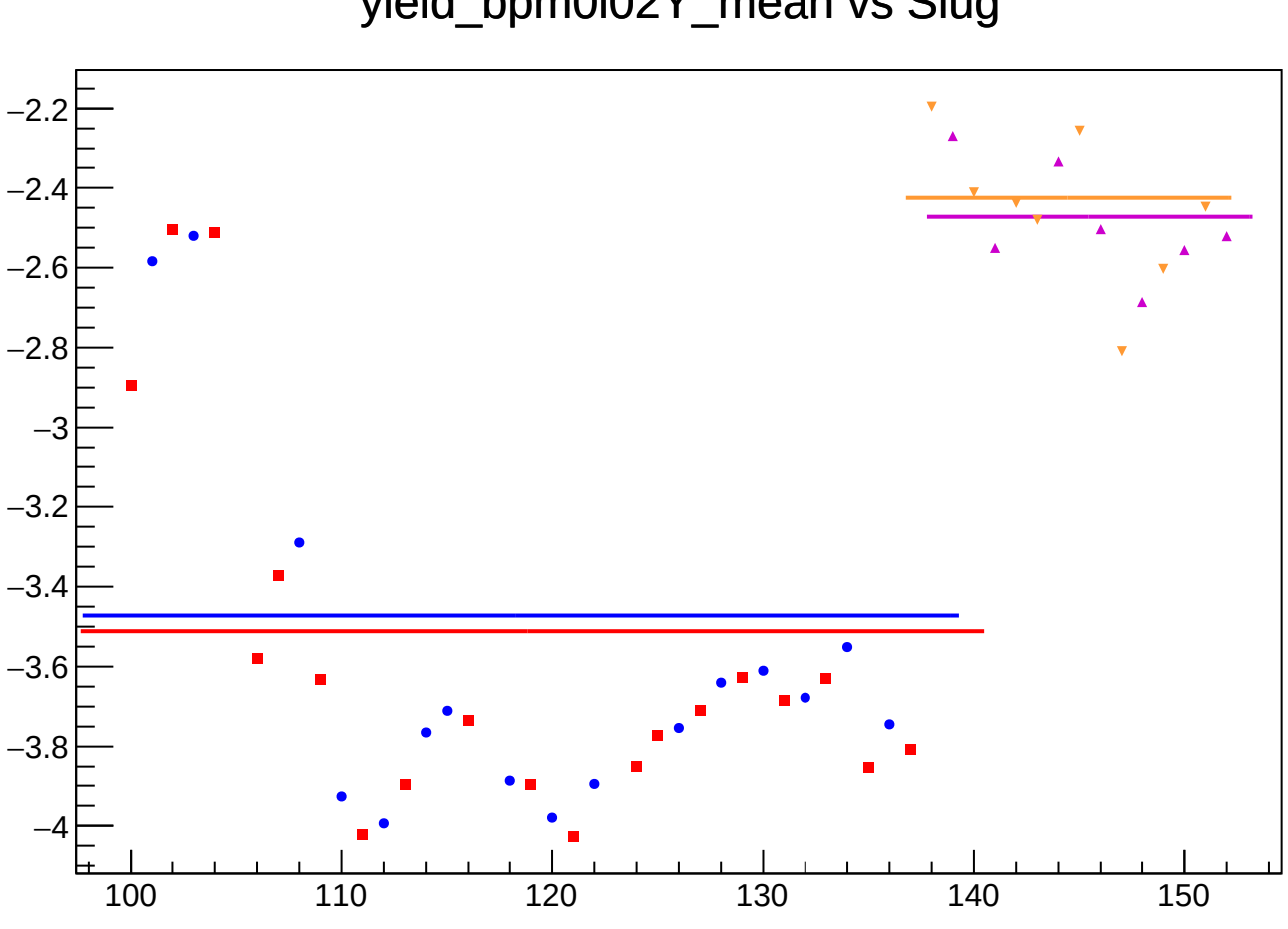
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:160953.5/6

+ sign 0.006+/-0.000 χ^2/NDF: 547168.5/23

All: 0.006+/-0.000 χ^2/NDF: 1084740.0/49

- sign 0.006+/-0.000 χ^2/NDF: 535509.5/25



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.425+/-0.000 χ^2/NDF:1364391617.3/7

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

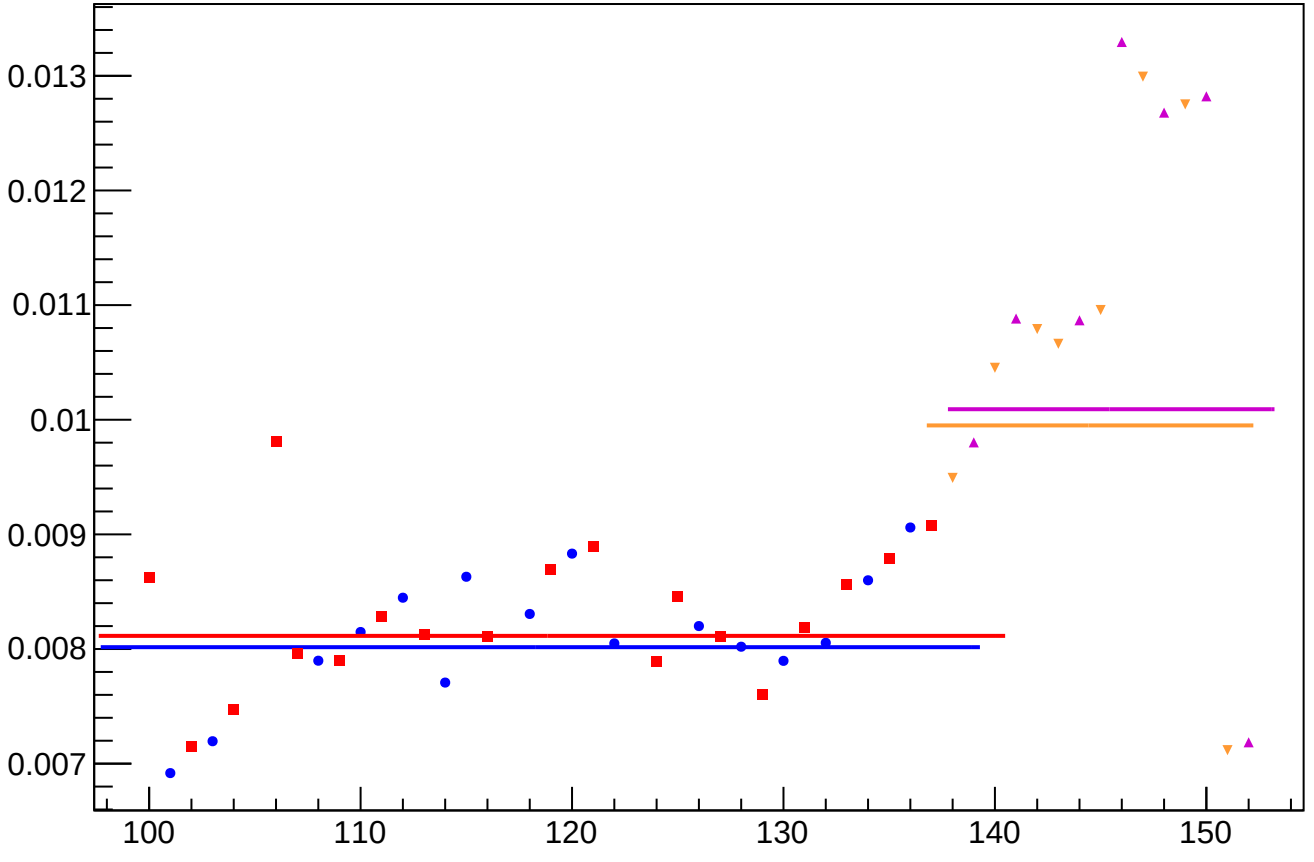
Left In: -2.473+/-0.000 χ^2/NDF:821096362.2/6

+ sign -3.123+/-0.000 χ^2/NDF: 70744031263.3/23

All: -3.148+/-0.000 χ^2/NDF: 139419213592.3

- sign -3.173+/-0.000 χ^2/NDF: 68467461320.4/25

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:389693.3/7

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

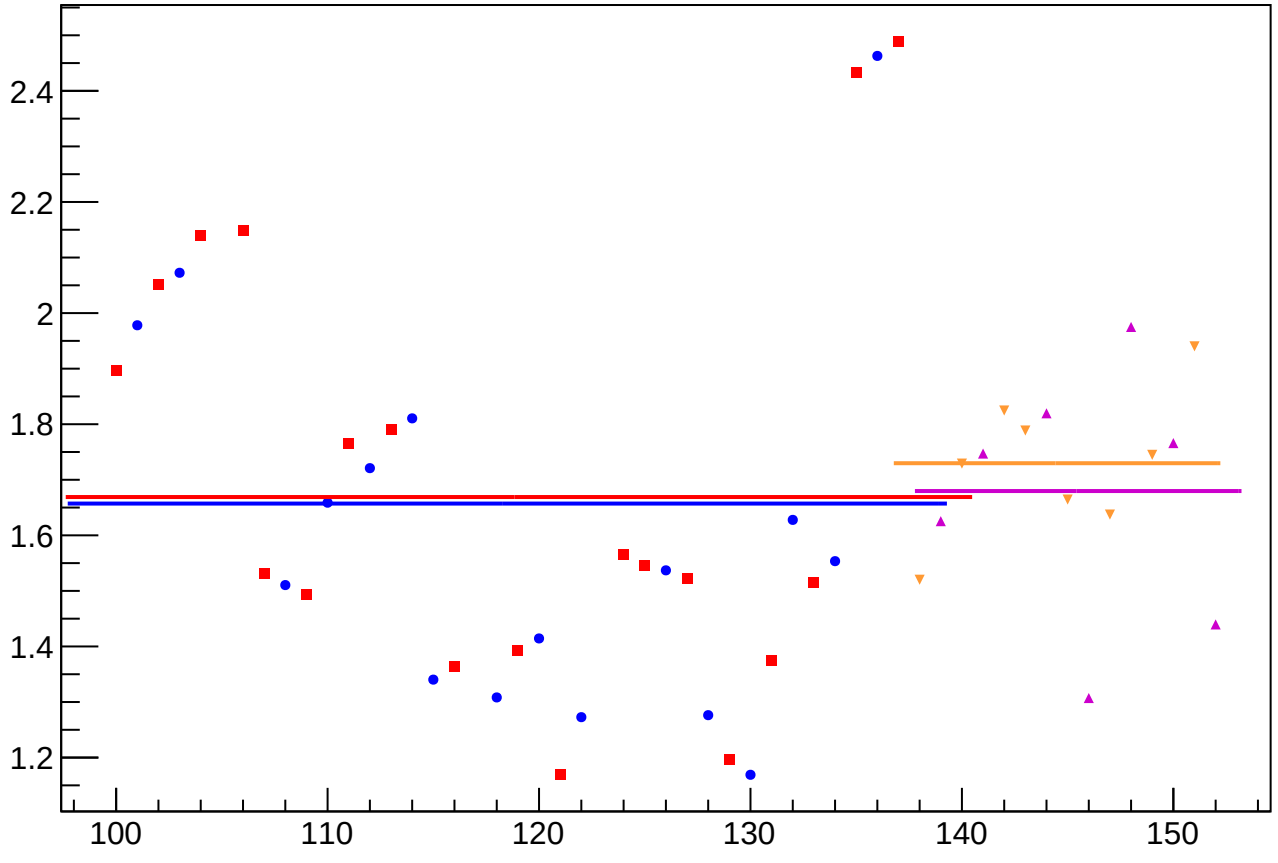
Left In: 0.010+/-0.000 χ^2/NDF:493078.4/6

+ sign 0.009+/-0.000 χ^2/NDF: 747512.7/23

All: 0.009+/-0.000 χ^2/NDF: 1587944.1/49

- sign 0.009+/-0.000 χ^2/NDF: 838936.1/25

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.730+/-0.000 χ^2/NDF:693422507.0/7

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

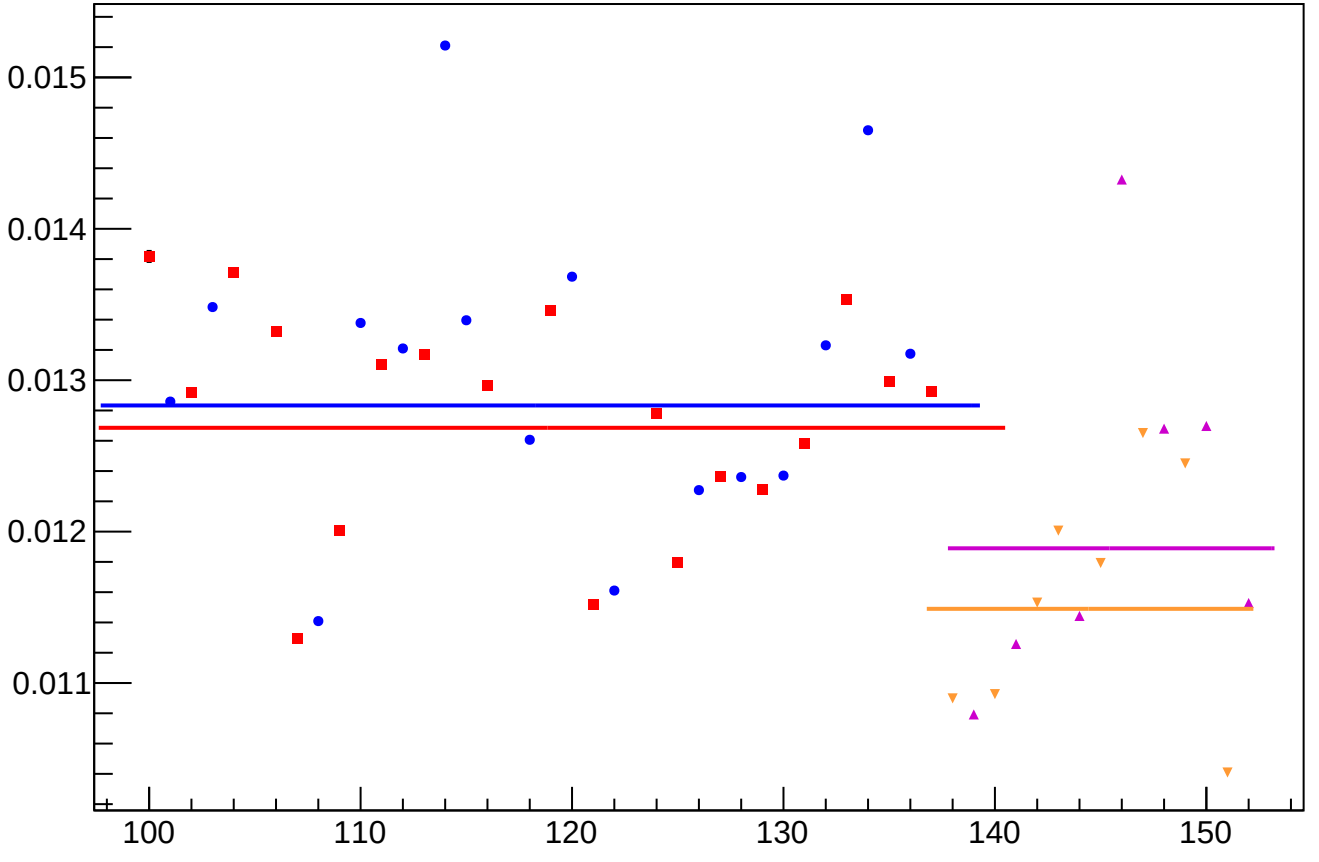
Left In: 1.680+/-0.000 χ^2/NDF:1481224113.4/6

+ sign 1.694+/-0.000 χ^2/NDF: 7473686166.4/23

All: 1.684+/-0.000 χ^2/NDF: 15332136685.0/4

- sign 1.674+/-0.000 χ^2/NDF: 7841270066.9/25

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:50826.3/7

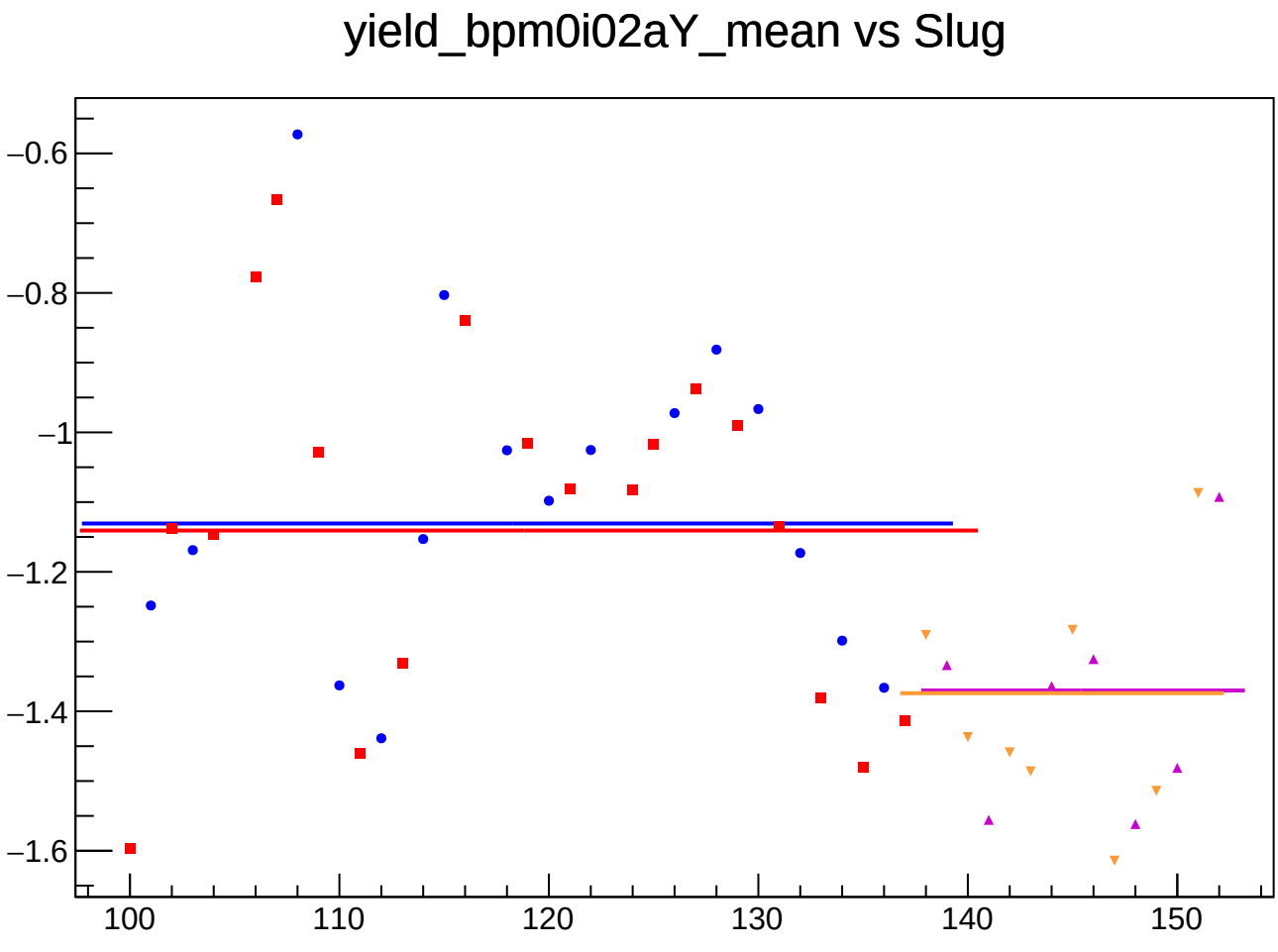
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:84447.0/6

+ sign 0.012+/-0.000 χ^2/NDF: 181405.5/23

All: 0.012+/-0.000 χ^2/NDF: 338048.0/49

- sign 0.012+/-0.000 χ^2/NDF: 154459.2/25



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.374+/-0.000 χ^2/NDF:1682864345.4/7

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

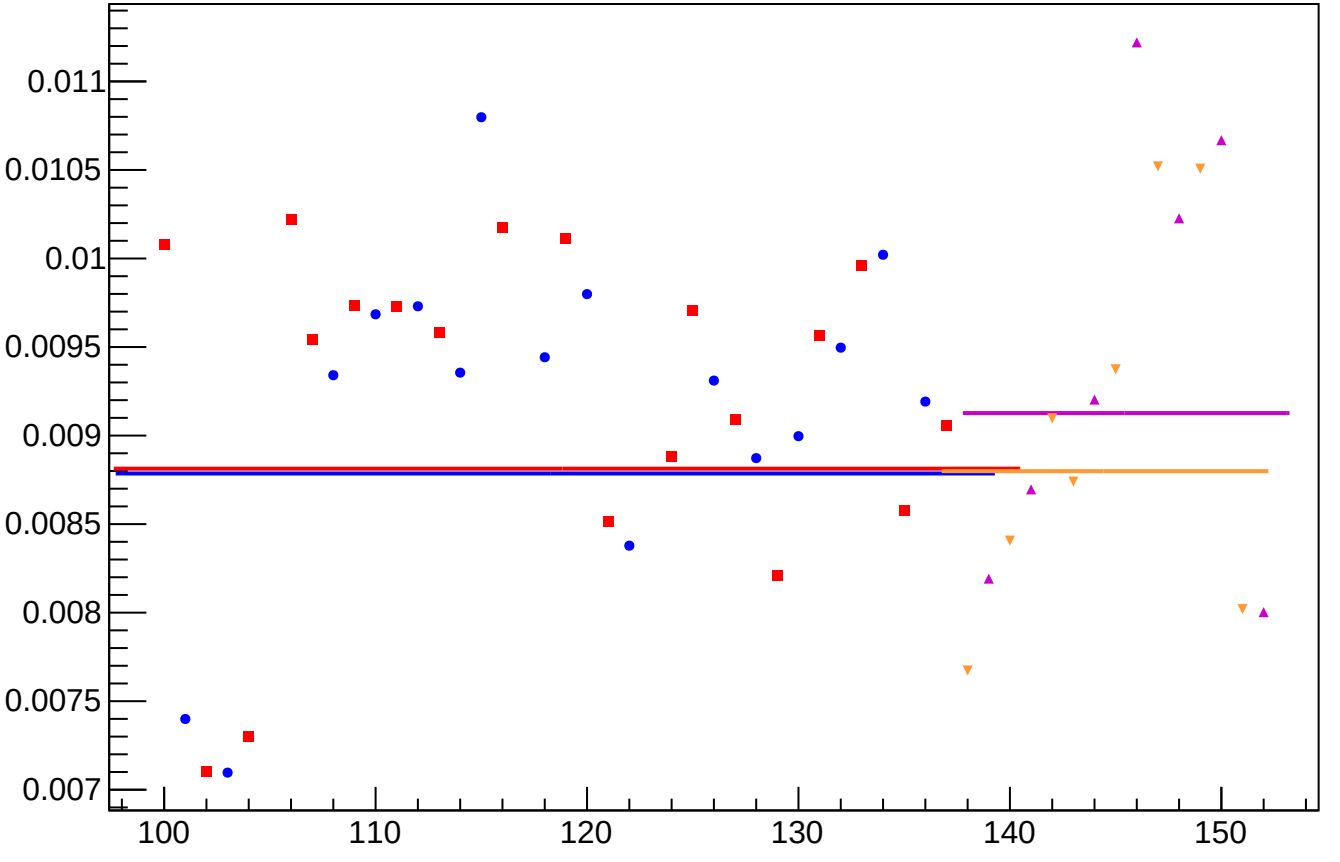
Left In: -1.370+/-0.000 χ^2/NDF:1691307567.1/6

+ sign -1.238+/-0.000 χ^2/NDF: 7798289281.4/23

All: -1.238+/-0.000 χ^2/NDF: 15014759382.1/

- sign -1.237+/-0.000 χ^2/NDF: 7216388831.5/25

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:127968.8/7

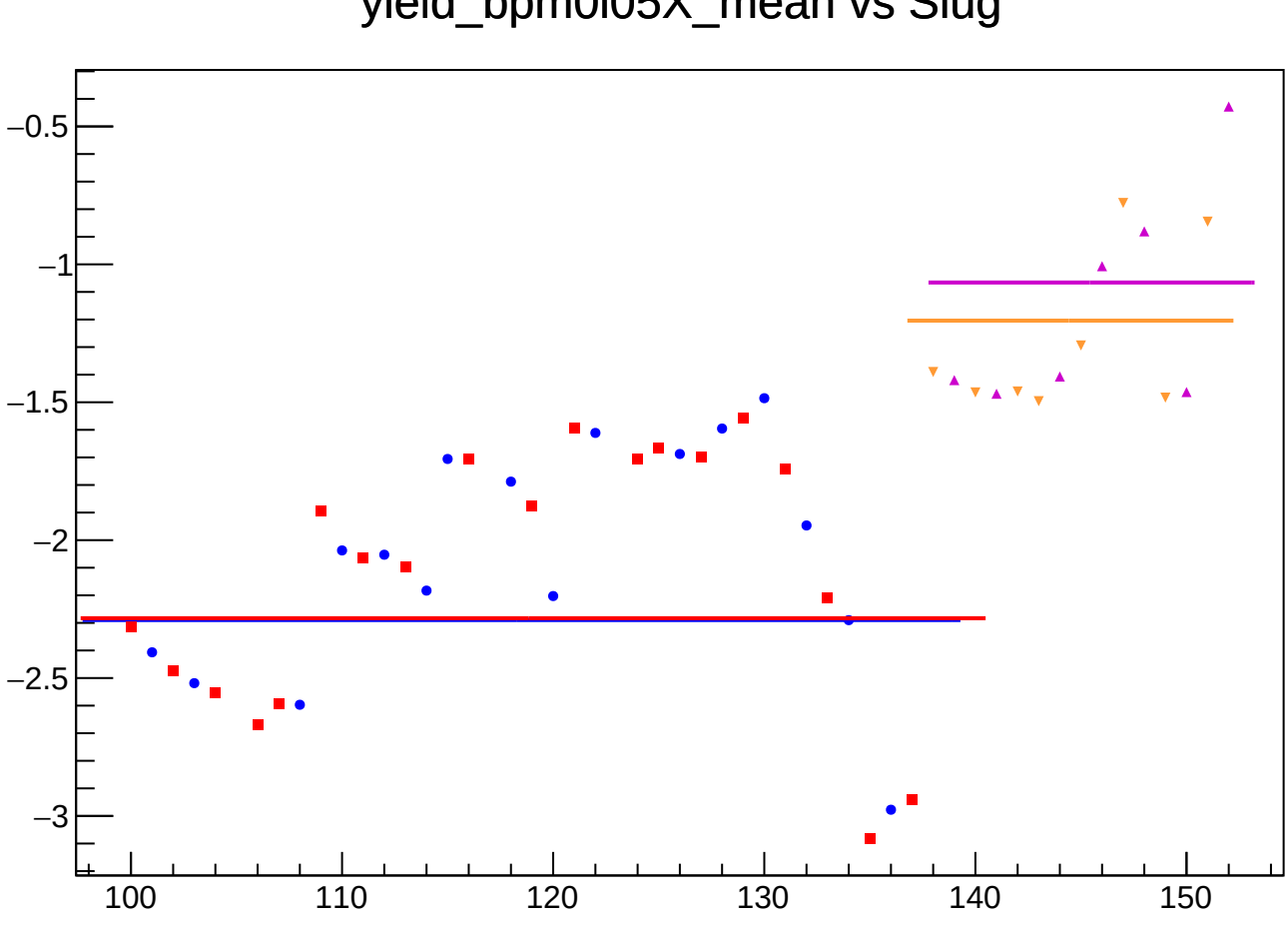
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:153568.7/6

+ sign 0.009+/-0.000 χ^2/NDF: 301460.1/23

All: 0.009+/-0.000 χ^2/NDF: 670594.8/49

- sign 0.009+/-0.000 χ^2/NDF: 365432.8/25



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.204+/-0.000 χ^2/NDF:7801520275.0/7

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

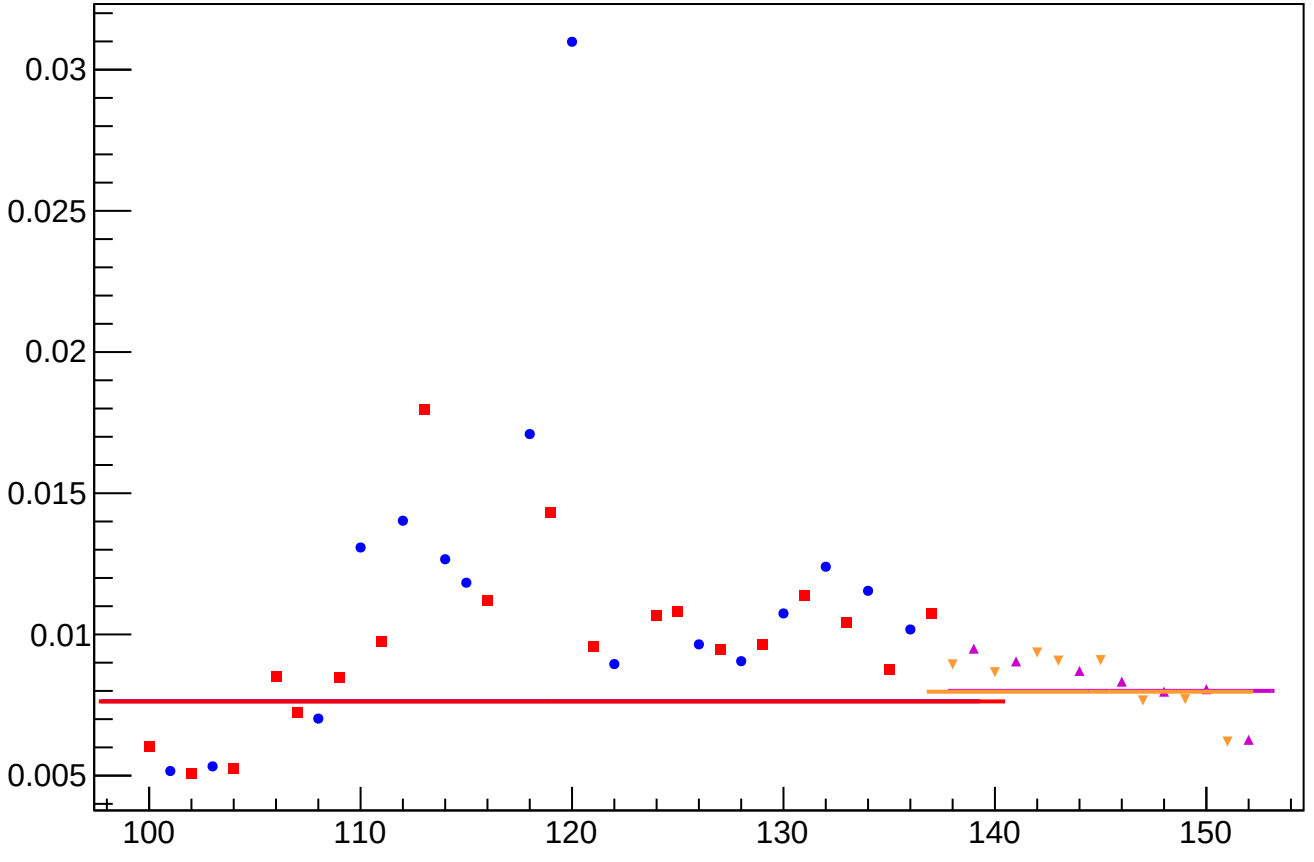
Left In: -1.066+/-0.000 χ^2/NDF:14447371483.1/6

+ sign -1.757+/-0.000 χ^2/NDF: 73526470615.2/23

All: -1.733+/-0.000 χ^2/NDF: 171663229514.9

- sign -1.710+/-0.000 χ^2/NDF: 97944864102.9/25

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:205693.1/7

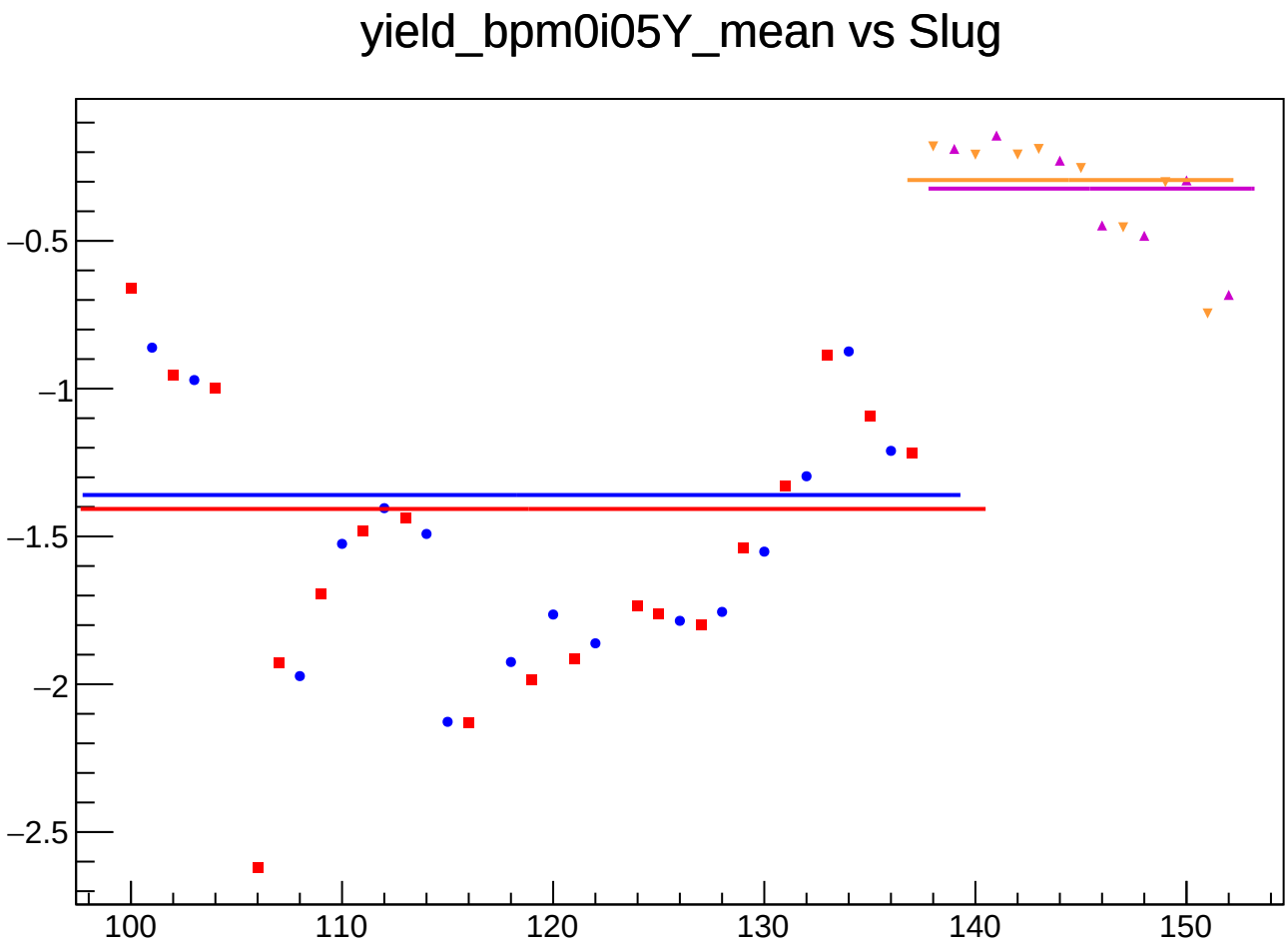
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:191521.3/6

+ sign 0.008+/-0.000 χ^2/NDF: 1926342.7/23

All: 0.008+/-0.000 χ^2/NDF: 3448190.8/49

- sign 0.008+/-0.000 χ^2/NDF: 1521844.4/25



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.294+/-0.000 χ^2/NDF:7212936922.3/7

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

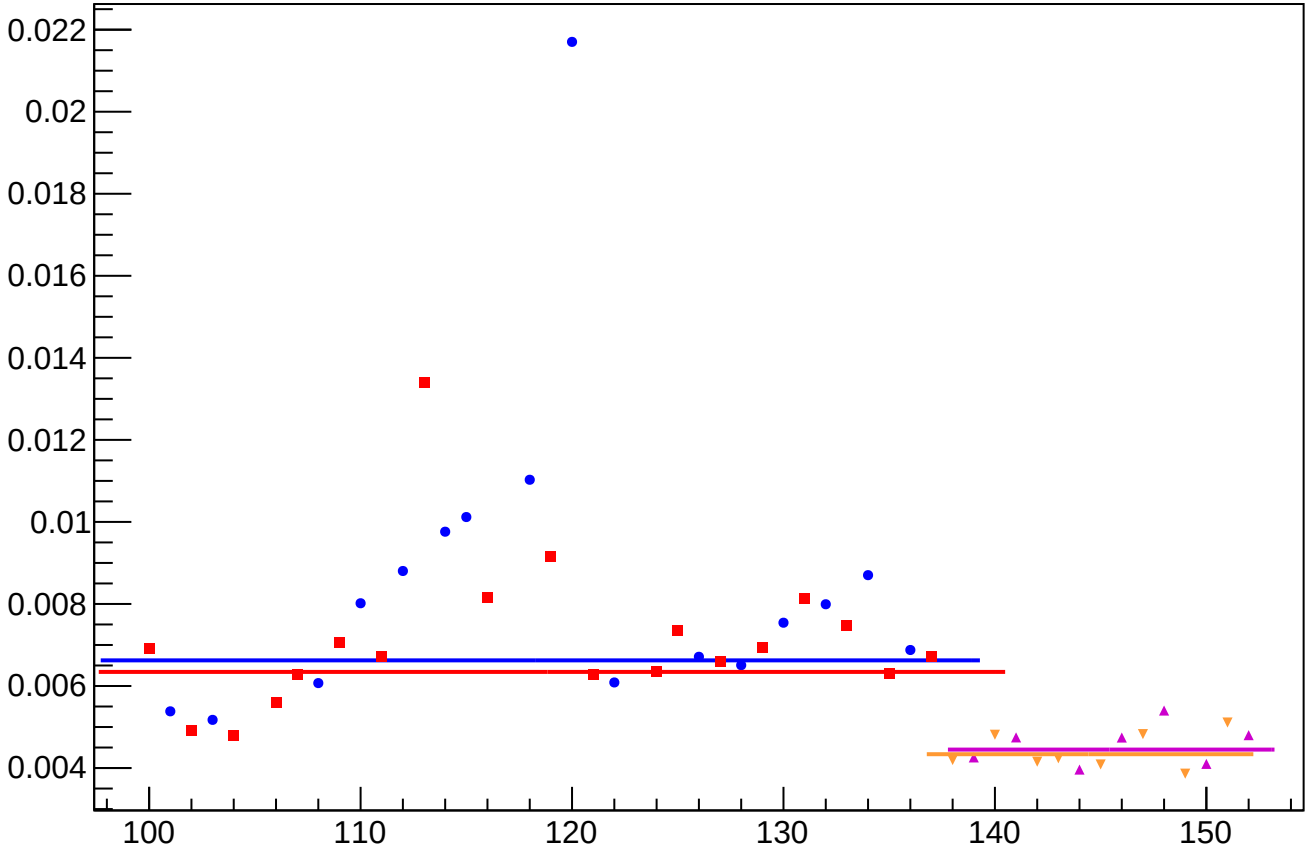
Left In: -0.323+/-0.000 χ^2/NDF:7621535821.4/6

+ sign -0.633+/-0.000 χ^2/NDF: 130827831271.9/23

All: -0.676+/-0.000 χ^2/NDF: 283271813292.5

- sign -0.718+/-0.000 χ^2/NDF: 150932602990.0/25

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:88390.9/7

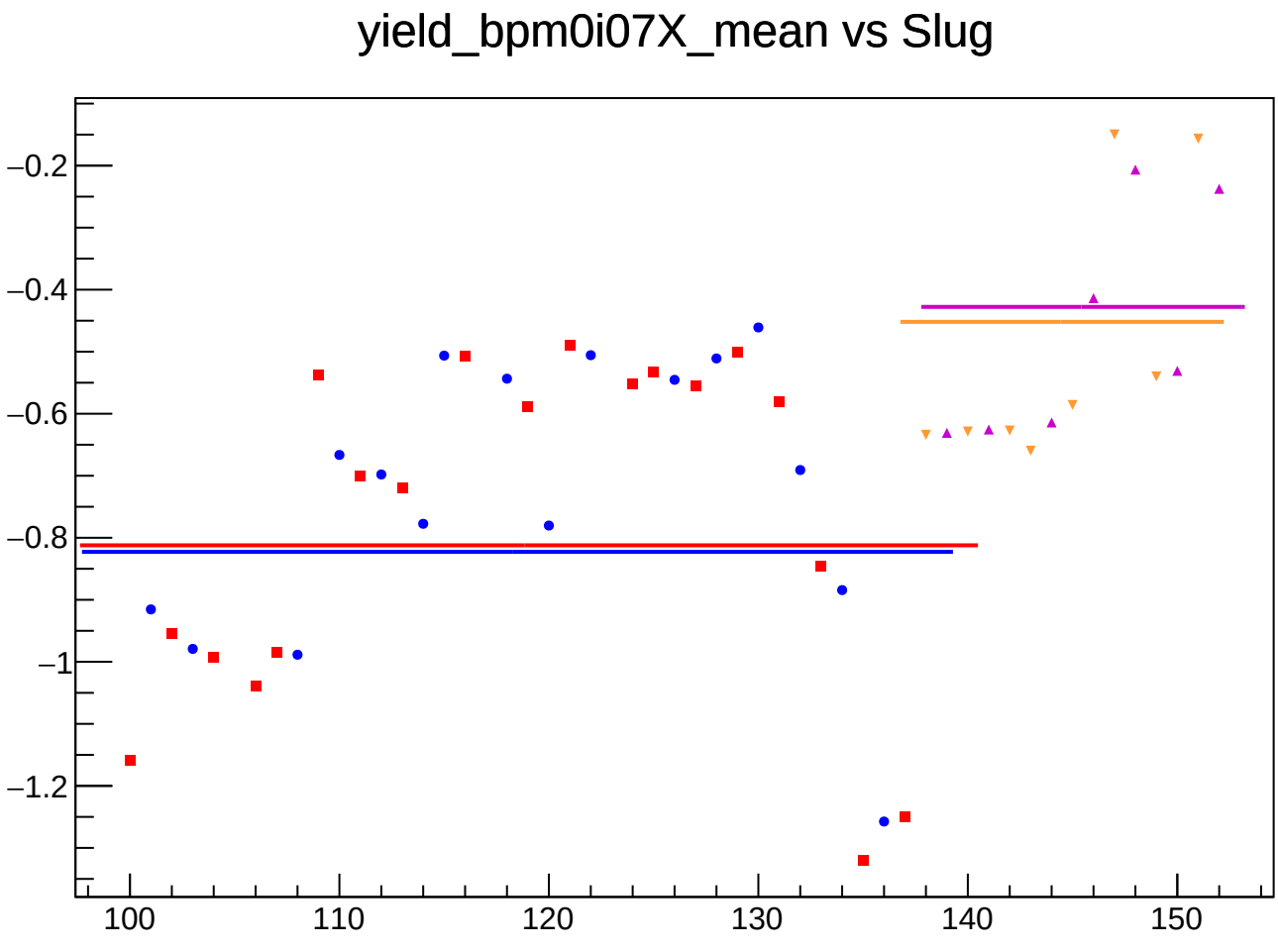
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:97308.1/6

+ sign 0.005+/-0.000 χ^2/NDF: 1723744.9/23

All: 0.005+/-0.000 χ^2/NDF: 3045614.6/49

- sign 0.005+/-0.000 χ^2/NDF: 1319497.3/25



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.452+/-0.000 χ^2/NDF:7966998898.6/7

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

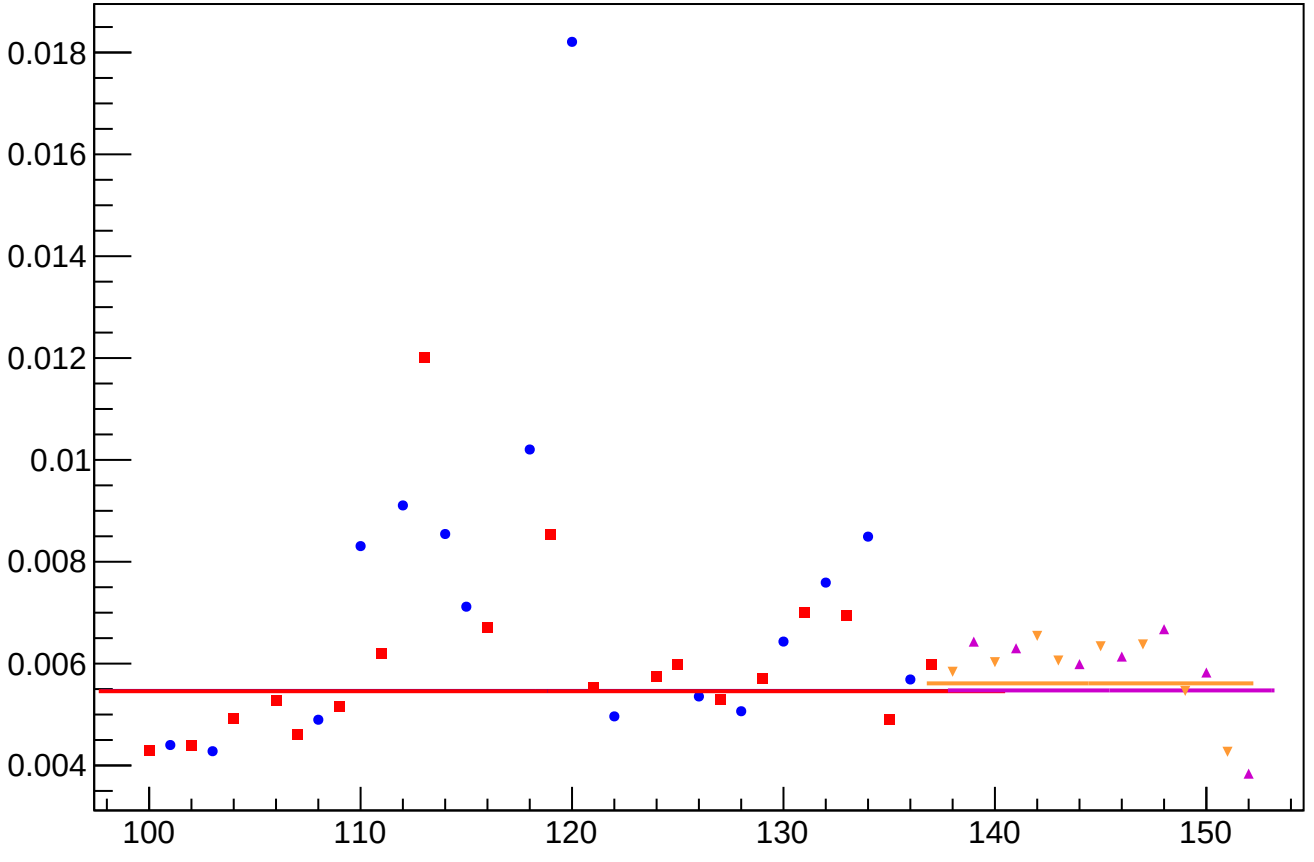
Left In: -0.428+/-0.000 χ^2/NDF:5349220690.8/6

+ sign -0.646+/-0.000 χ^2/NDF: 32275451219.7/23

All: -0.639+/-0.000 χ^2/NDF: 66368483229.1/

- sign -0.633+/-0.000 χ^2/NDF: 34061037053.6/25

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:215842.0/7

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

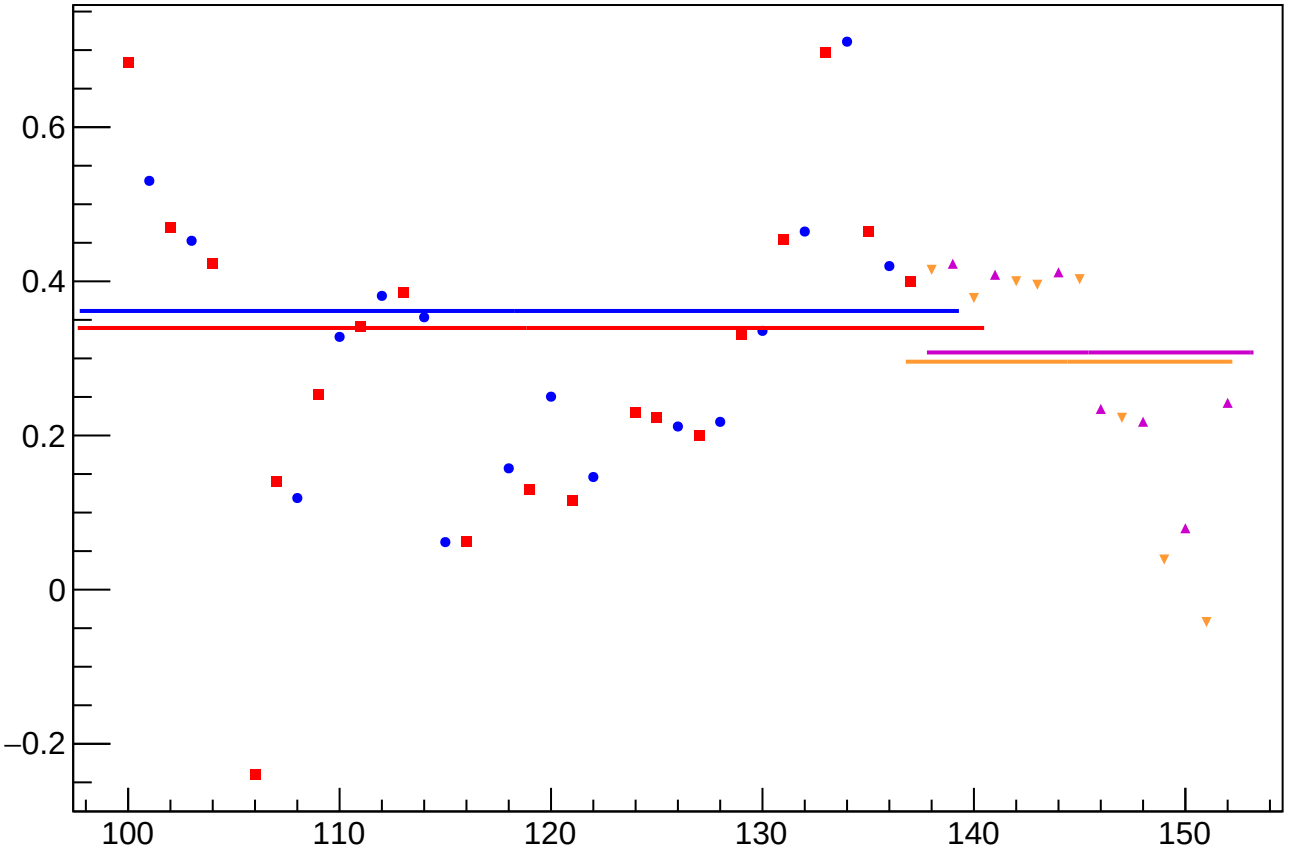
Left In: 0.005+/-0.000 χ^2/NDF:433122.5/6

+ sign 0.006+/-0.000 χ^2/NDF: 1181209.8/23

All: 0.005+/-0.000 χ^2/NDF: 2123883.3/49

- sign 0.005+/-0.000 χ^2/NDF: 940958.7/25

yield_bpm0i07Y_mean vs Slug



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.296+/-0.000 χ^2/NDF:7674415138.2/7

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

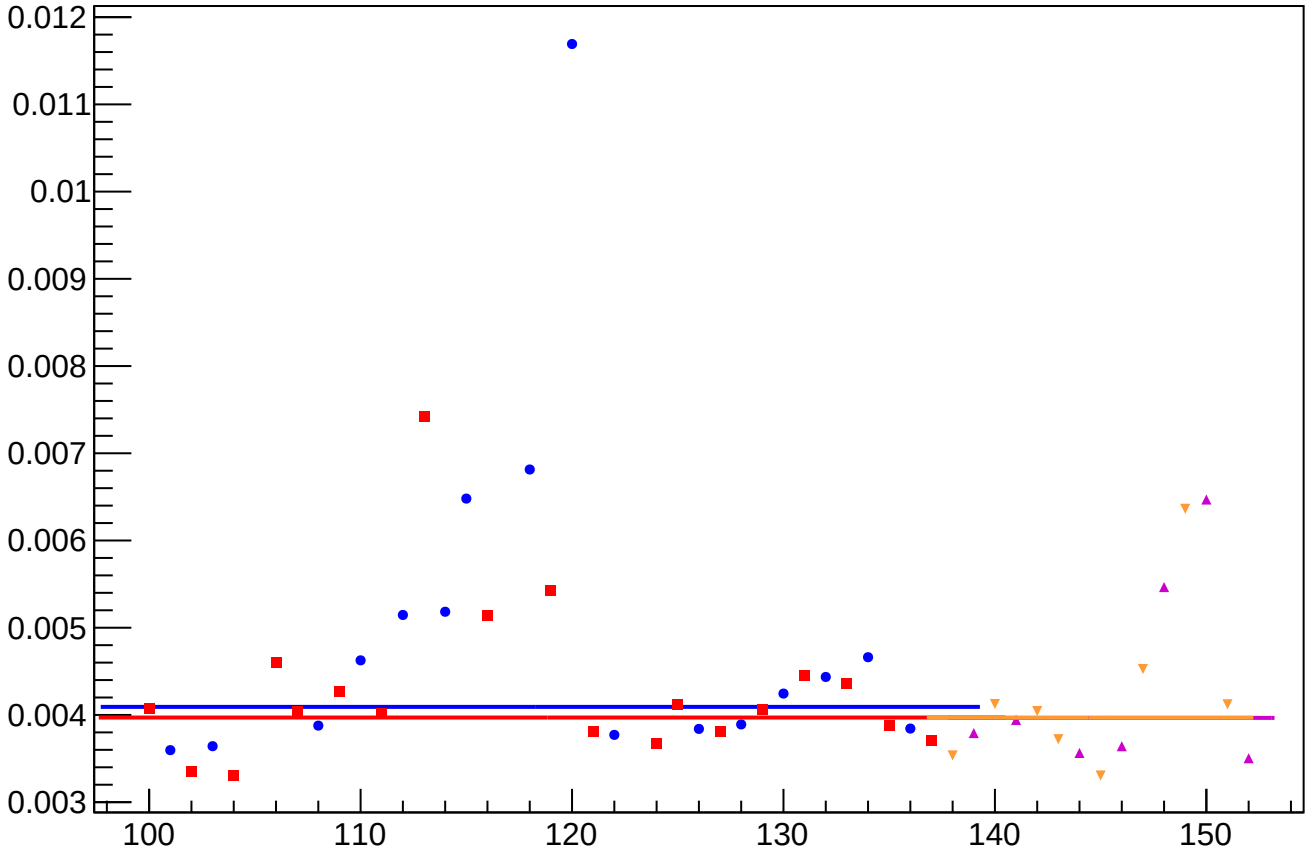
Left In: 0.308+/-0.000 χ^2/NDF:2993419916.6/6

+ sign 0.334+/-0.000 χ^2/NDF: 17120343034.9/23

All: 0.330+/-0.000 χ^2/NDF: 32365973505.1/4

- sign 0.327+/-0.000 χ^2/NDF: 15229658213.6/25

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:273626.9/7

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:357168.4/6

+ sign 0.004+/-0.000 χ^2/NDF: 770129.1/23

All: 0.004+/-0.000 χ^2/NDF: 1444340.2/49

- sign 0.004+/-0.000 χ^2/NDF: 670875.0/25

yield_bpm1i02X_mean vs Slug

Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.392+/-0.000 χ^2/NDF:1200565053.1/7

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

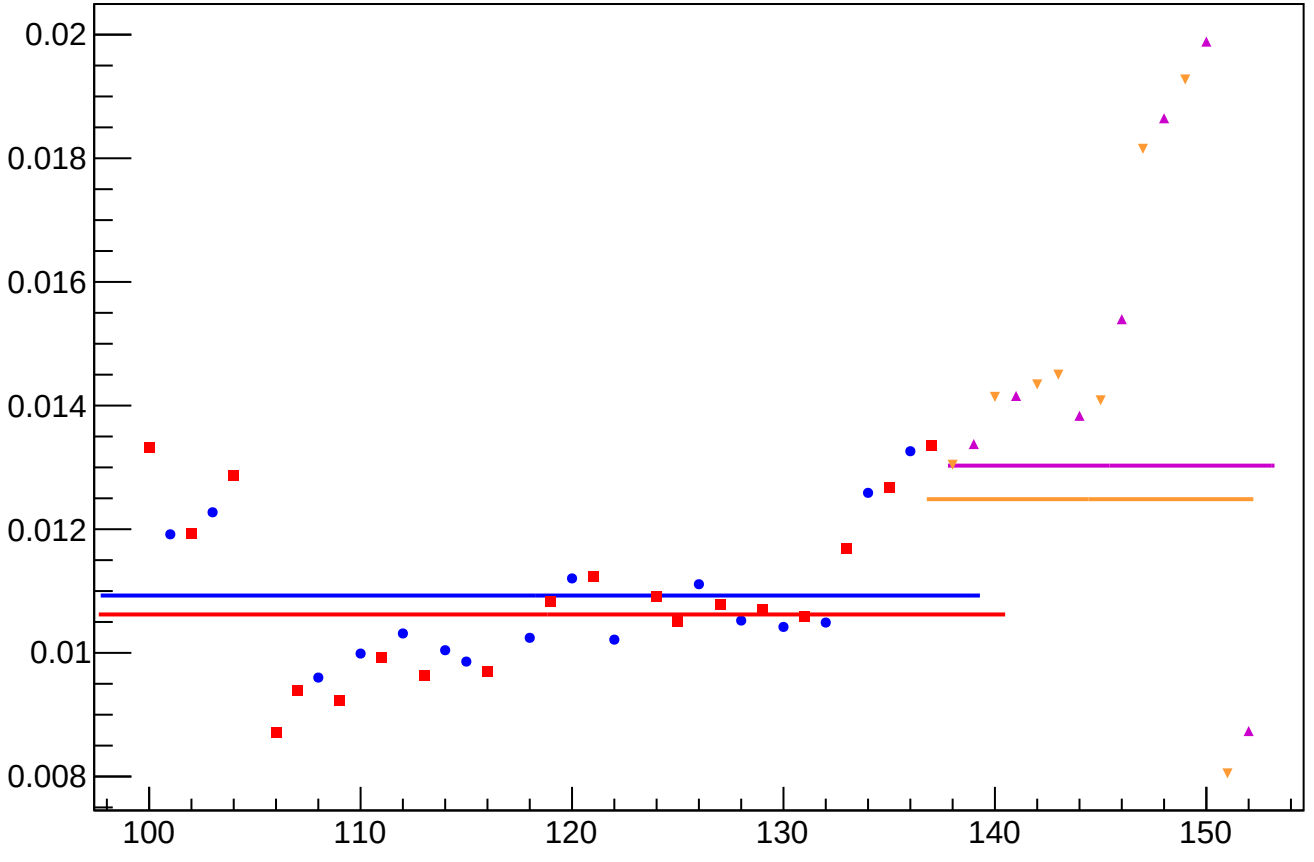
Left In: -2.383+/-0.000 χ^2/NDF:1170631336.8/6

+ sign -0.963+/-0.000 χ^2/NDF: 125693266787.8/23

All: -0.921+/-0.000 χ^2/NDF: 247356765940.0

- sign -0.881+/-0.000 χ^2/NDF: 121331169609.1/25

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:963303.7/7

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

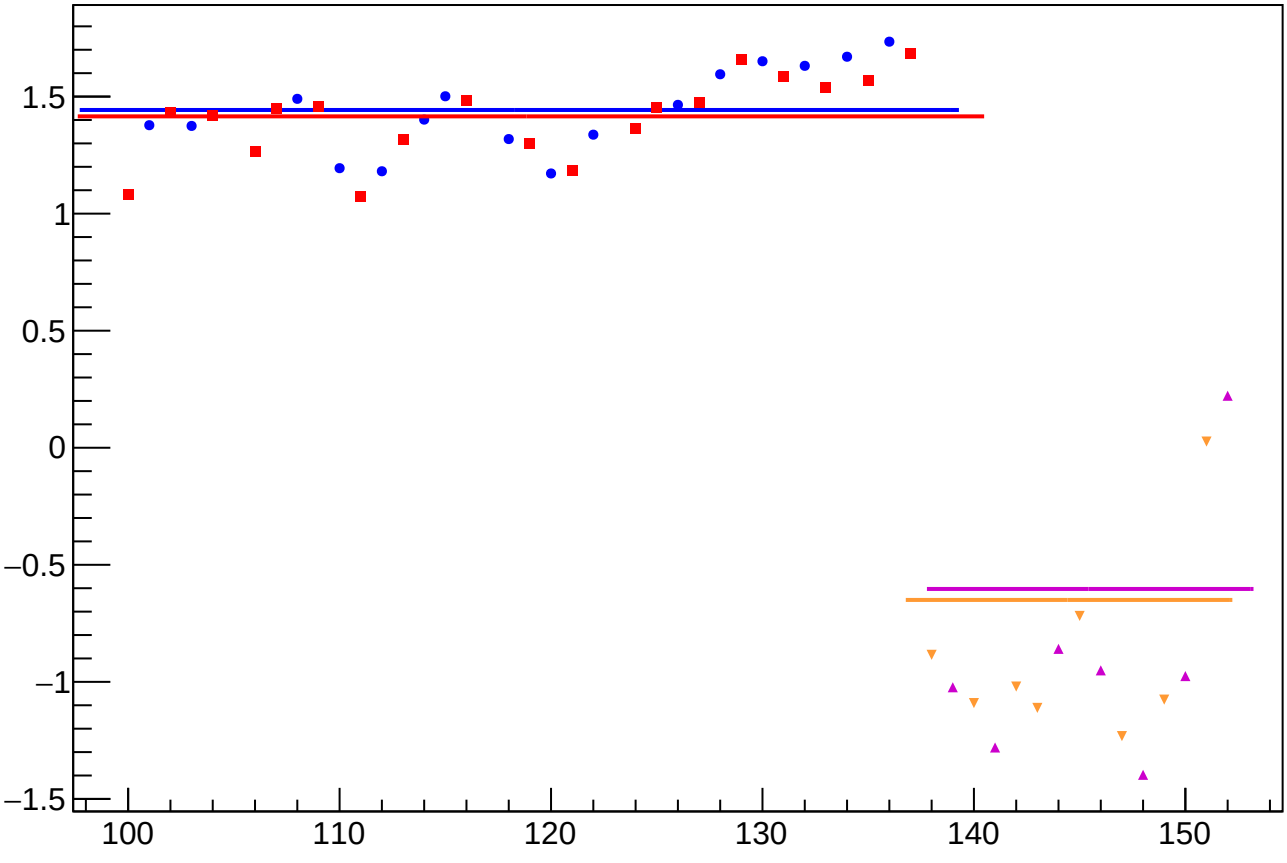
Left In: 0.013+/-0.000 χ^2/NDF:838855.4/6

+ sign 0.012+/-0.000 χ^2/NDF: 1209333.4/23

All: 0.011+/-0.000 χ^2/NDF: 2495634.4/49

- sign 0.011+/-0.000 χ^2/NDF: 1285666.9/25

yield_bpm1i02Y_mean vs Slug



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.650+/-0.000 χ^2/NDF:17667374659.9/7

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

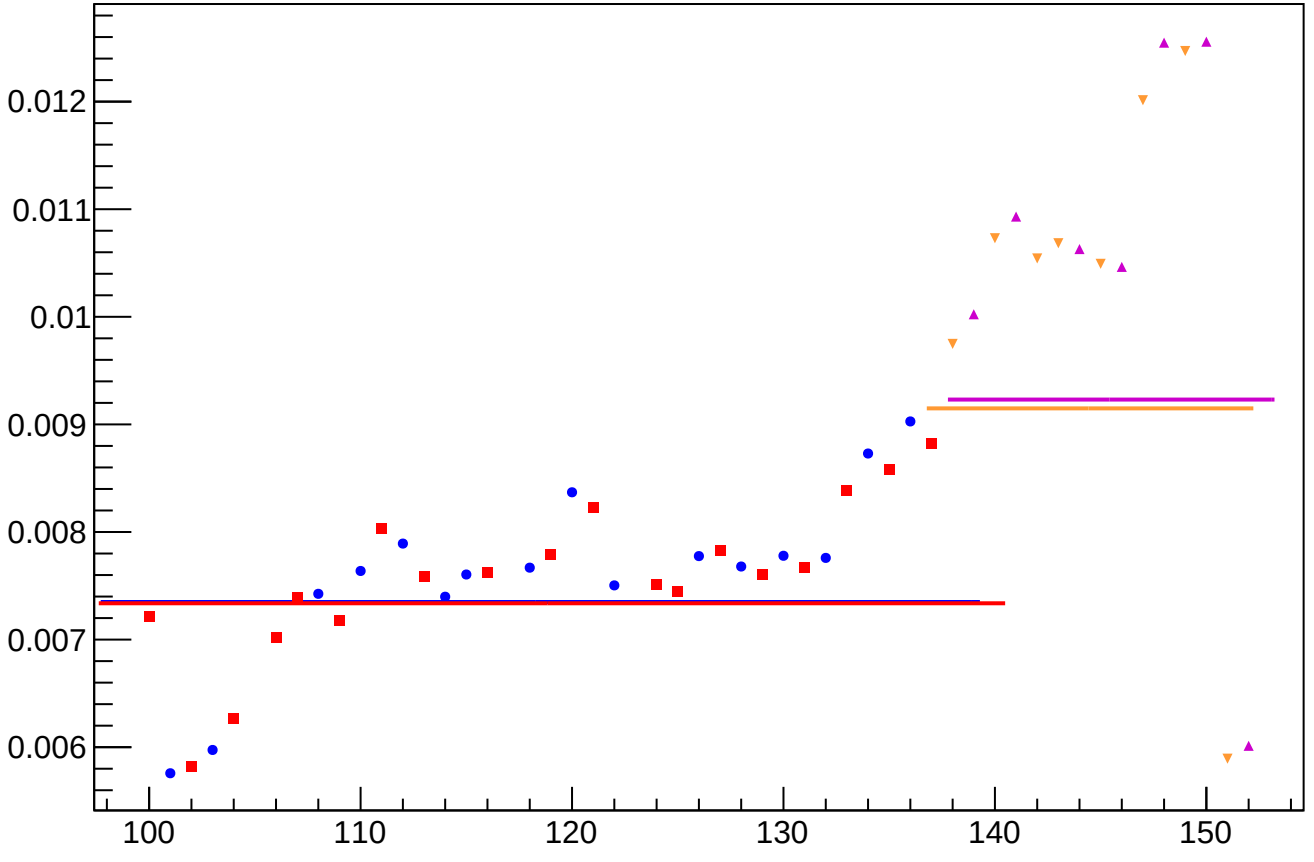
Left In: -0.603+/-0.000 χ^2/NDF:26743617401.7/6

+ sign 0.723+/-0.000 χ^2/NDF: 218449783503.3/23

All: 0.739+/-0.000 χ^2/NDF: 430882831305.3

- sign 0.754+/-0.000 χ^2/NDF: 212335574072.6/25

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:830572.3/7

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

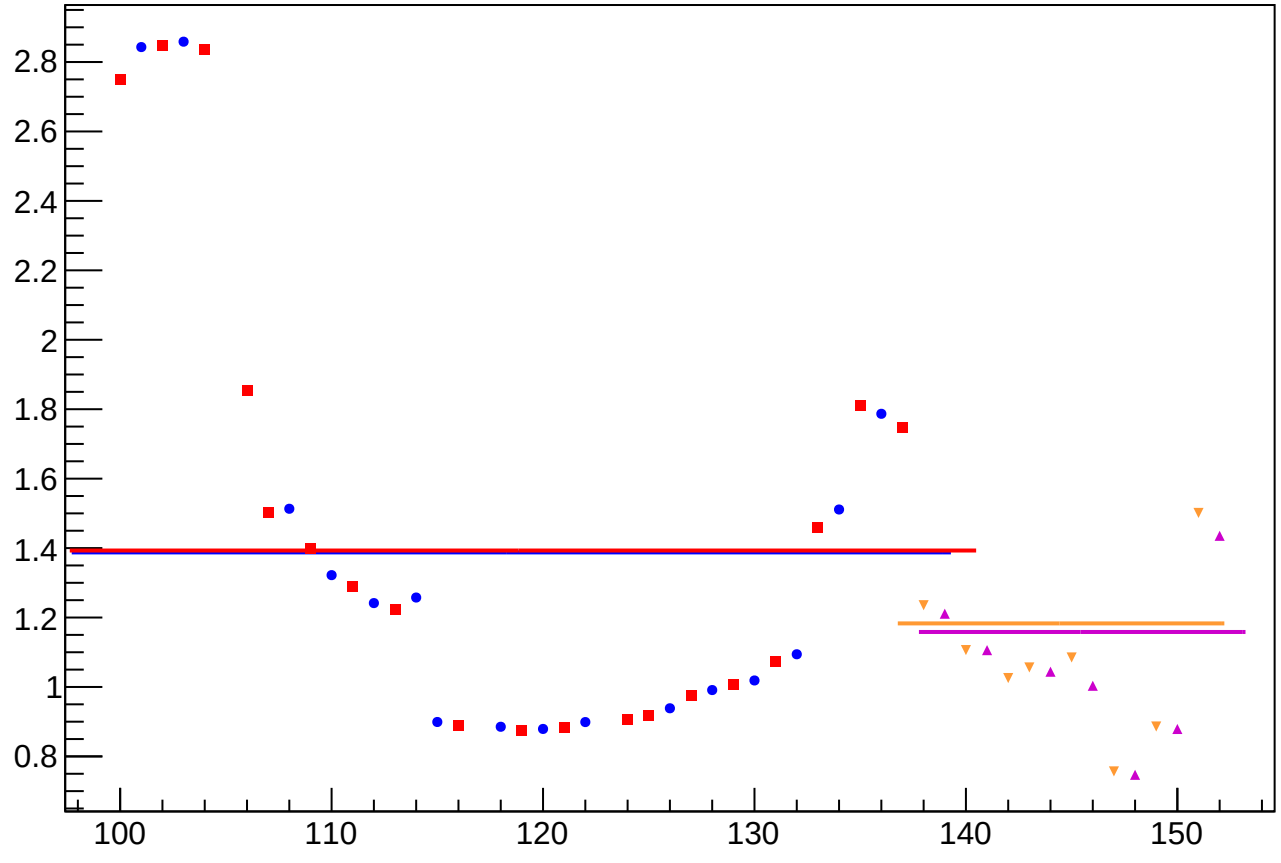
Left In: 0.009+/-0.000 χ^2/NDF:845446.6/6

+ sign 0.008+/-0.000 χ^2/NDF: 1392837.7/23

All: 0.008+/-0.000 χ^2/NDF: 2755284.7/49

- sign 0.008+/-0.000 χ^2/NDF: 1362425.0/25

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.183+/-0.000 χ^2/NDF:4262287217.0/7

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

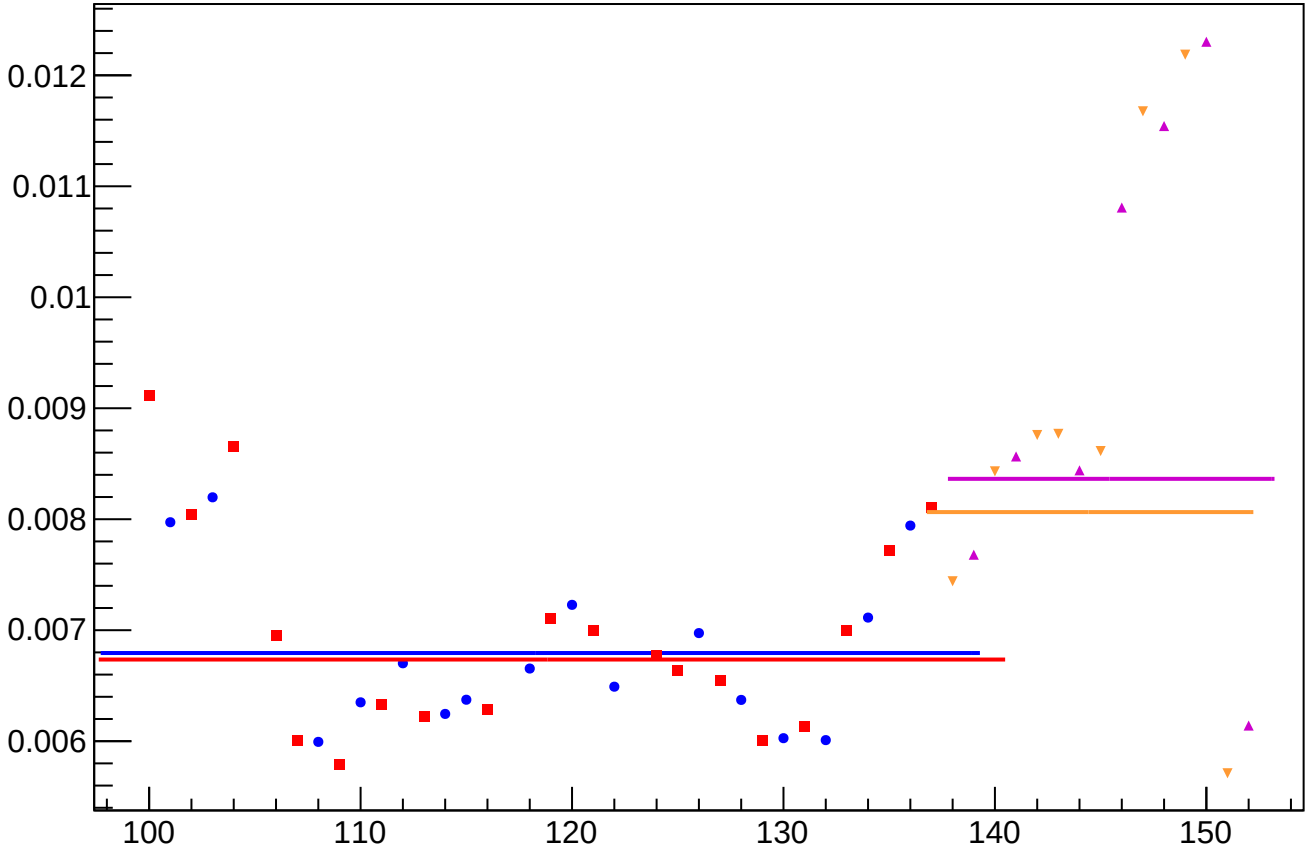
Left In: 1.158+/-0.000 χ^2/NDF:3569032821.7/6

+ sign 1.315+/-0.000 χ^2/NDF: 65166073508.9/23

All: 1.315+/-0.000 χ^2/NDF: 127032385128.2

- sign 1.316+/-0.000 χ^2/NDF: 61866138573.3/25

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:605841.0/7

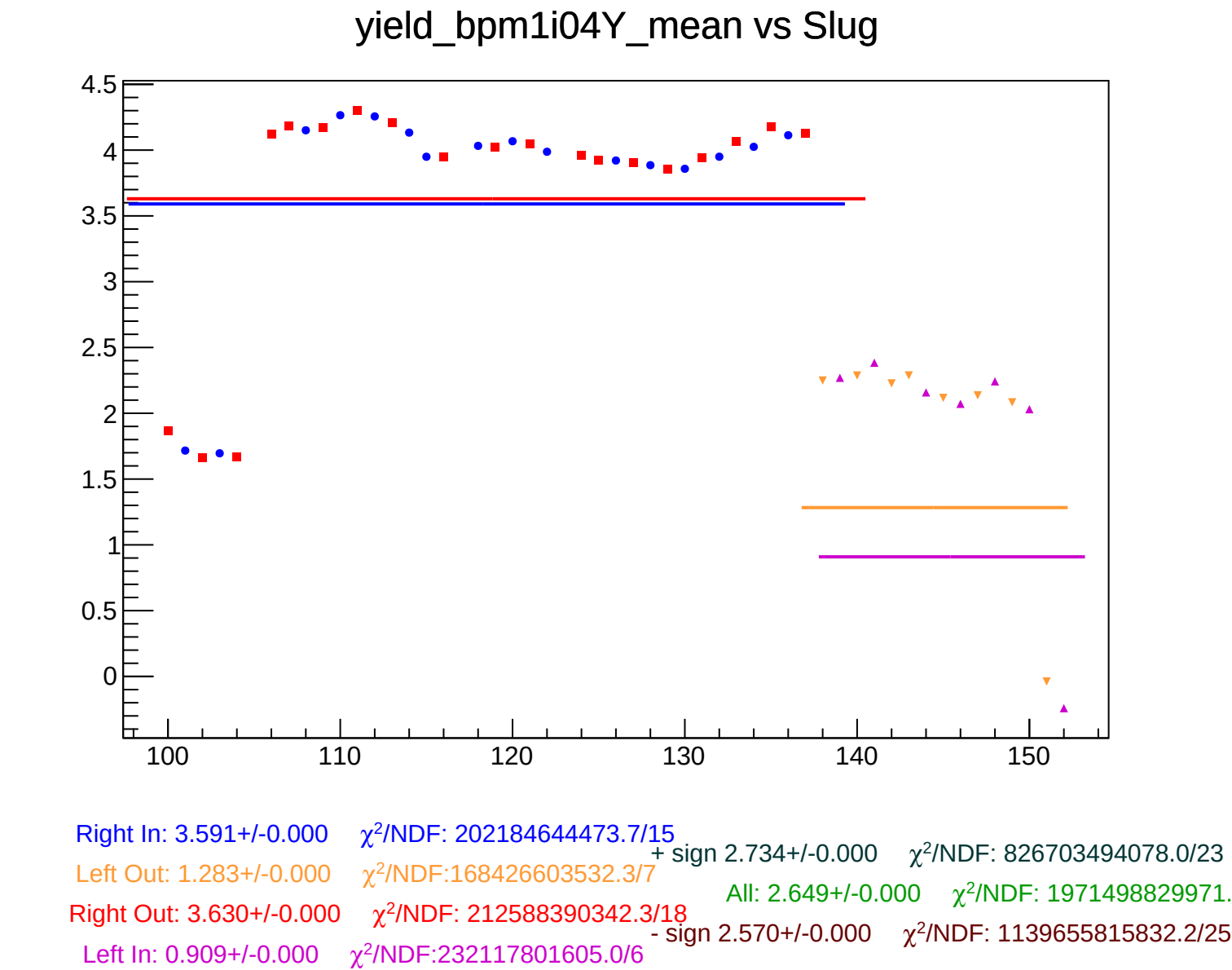
Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:609414.0/6

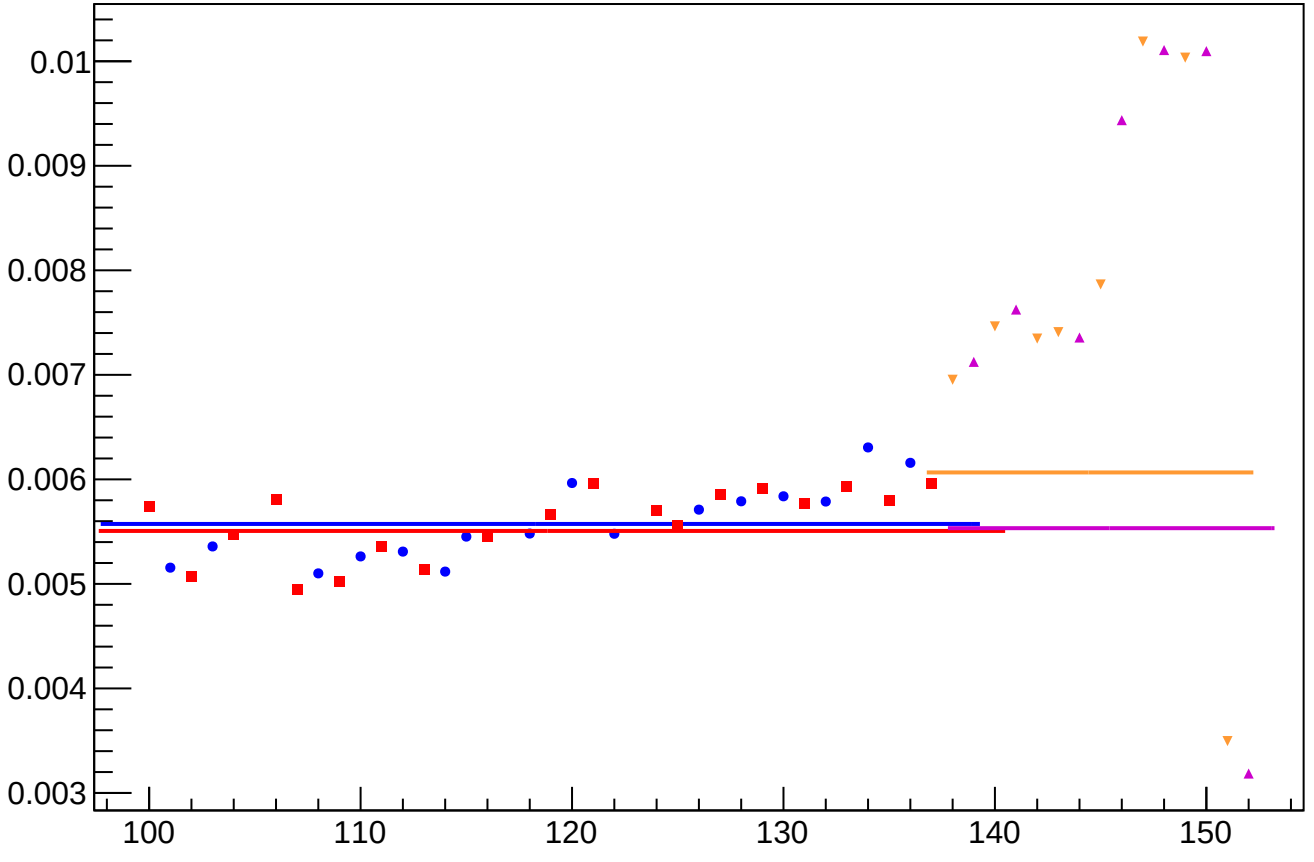
+ sign 0.007+/-0.000 χ^2/NDF: 946979.2/23

All: 0.007+/-0.000 χ^2/NDF: 2037328.7/49

- sign 0.007+/-0.000 χ^2/NDF: 1090213.2/25


yield_bpm1i04Y_mean vs Slug
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
100
110
120
130
140
150
Right In: 3.591+/-0.000 χ²/NDF: 202184644473.7/15
Left Out: 1.283+/-0.000 χ²/NDF:168426603532.3/7
Right Out: 3.630+/-0.000 χ²/NDF: 212588390342.3/18
Left In: 0.909+/-0.000 χ²/NDF:232117801605.0/6
+ sign 2.734+/-0.000 χ²/NDF: 826703494078.0/23
All: 2.649+/-0.000 χ²/NDF: 1971498829971.
- sign 2.570+/-0.000 χ²/NDF: 1139655815832.2/25

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:1458243.4/7

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

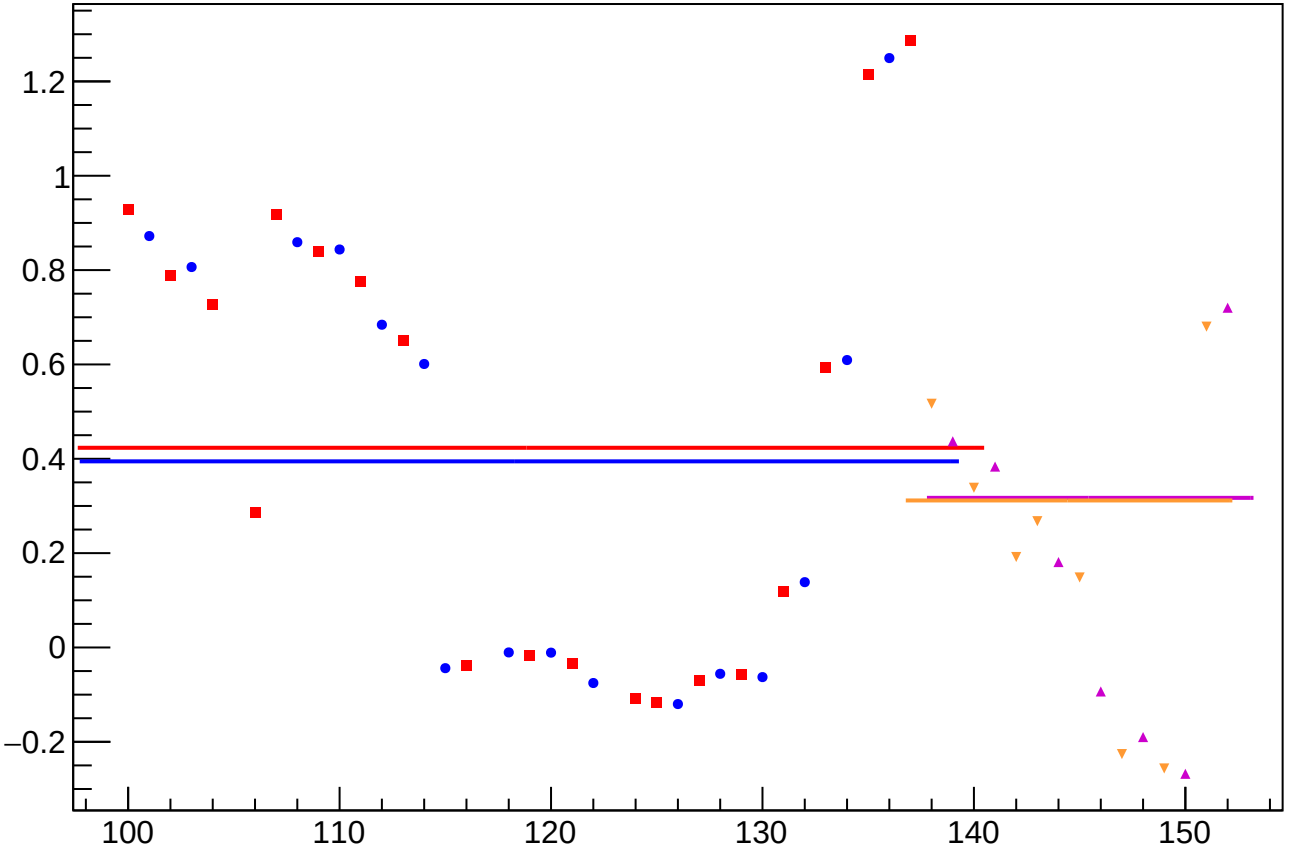
Left In: 0.006+/-0.000 χ^2/NDF:2135024.8/6

+ sign 0.006+/-0.000 χ^2/NDF: 1558972.7/23

All: 0.006+/-0.000 χ^2/NDF: 3773377.0/49

- sign 0.006+/-0.000 χ^2/NDF: 2192583.7/25

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.312+/-0.000 χ^2/NDF:3077159028.0/7

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

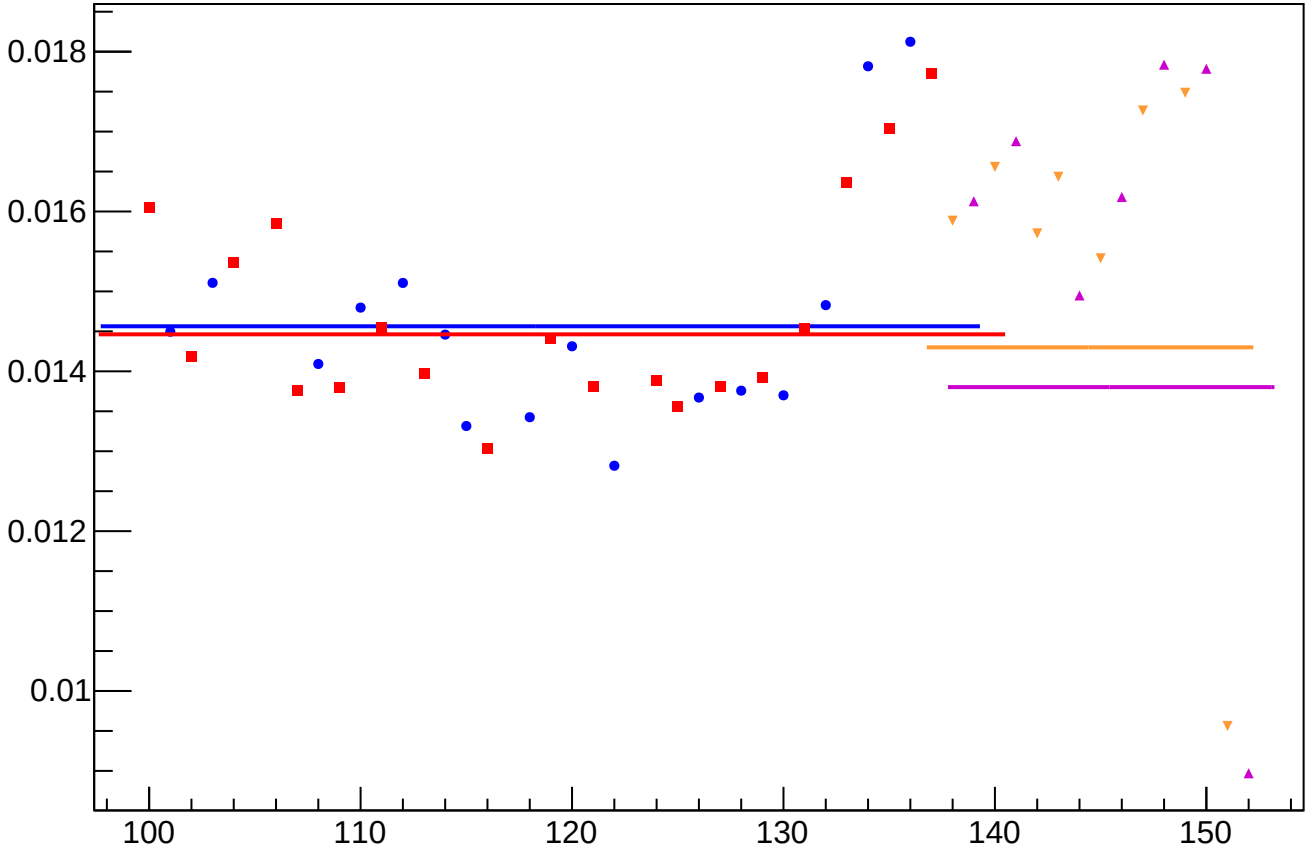
Left In: 0.317+/-0.000 χ^2/NDF:4032434081.0/6

+ sign 0.357+/-0.000 χ^2/NDF: 10594873217.5/23

All: 0.366+/-0.000 χ^2/NDF: 21721635609.9/4

- sign 0.375+/-0.000 χ^2/NDF: 11116610814.9/25

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.014+/-0.000 χ^2/NDF:578941.8/7

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

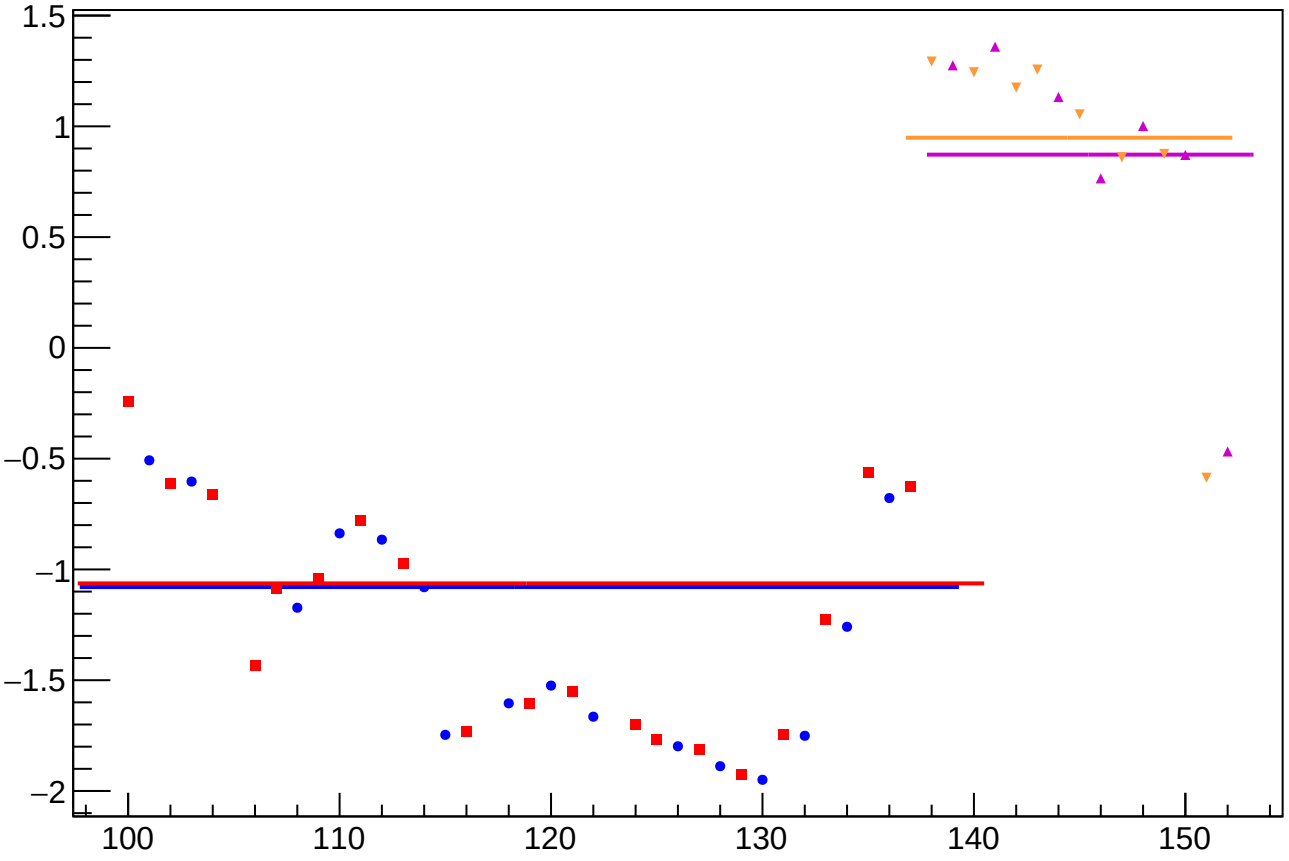
Left In: 0.014+/-0.000 χ^2/NDF:808206.0/6

+ sign 0.014+/-0.000 χ^2/NDF: 714202.5/23

All: 0.014+/-0.000 χ^2/NDF: 1618824.7/49

- sign 0.014+/-0.000 χ^2/NDF: 899558.0/25

yield_bpm1i06Y_mean vs Slug



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.949+/-0.000 χ^2/NDF:95981333132.3/7

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

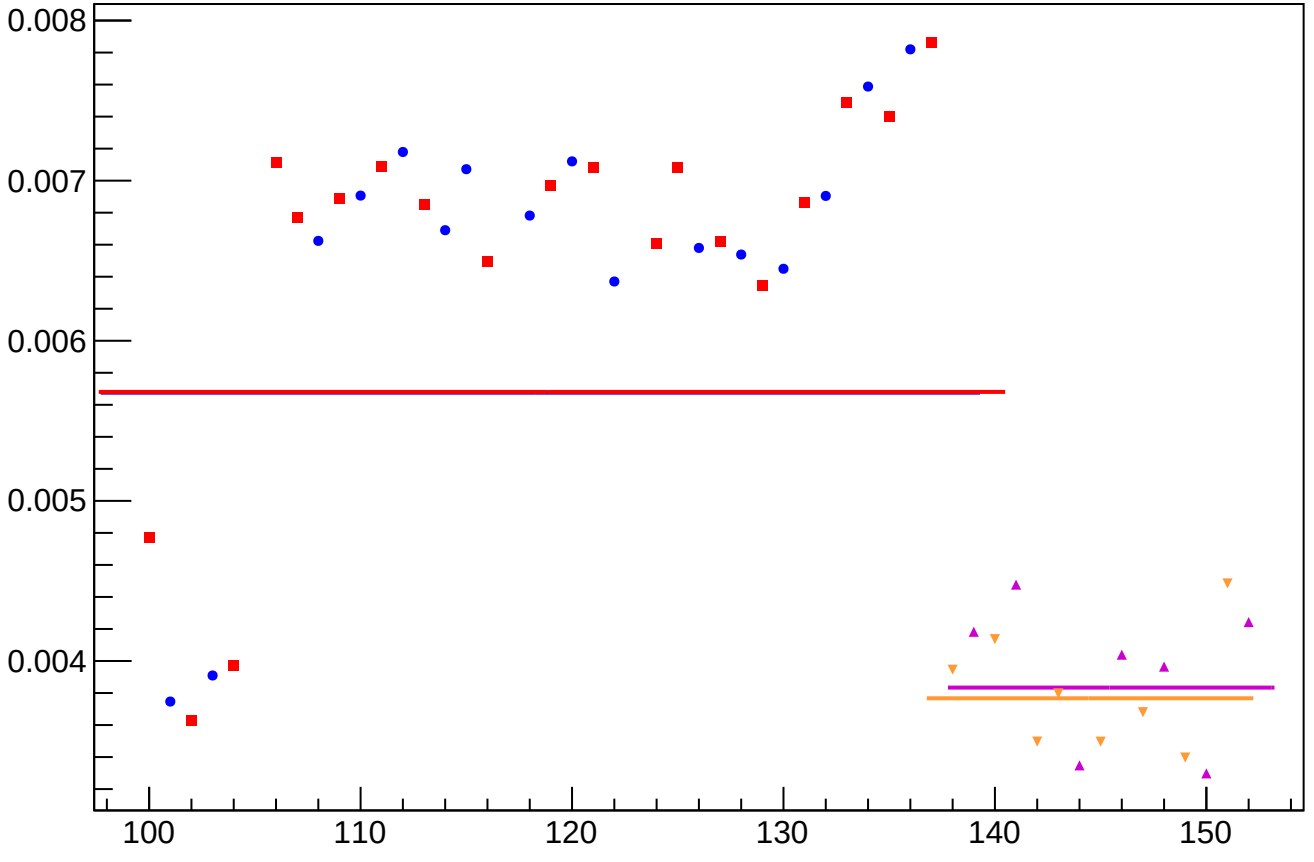
Left In: 0.872+/-0.000 χ^2/NDF:103407152515.6/6

+ sign 0.255+/-0.000 χ^2/NDF: 690700380458.7/23

All: 0.219+/-0.000 χ^2/NDF: 1326907519085.

- sign 0.182+/-0.000 χ^2/NDF: 634658004493.9/25

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:80913.3/7

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

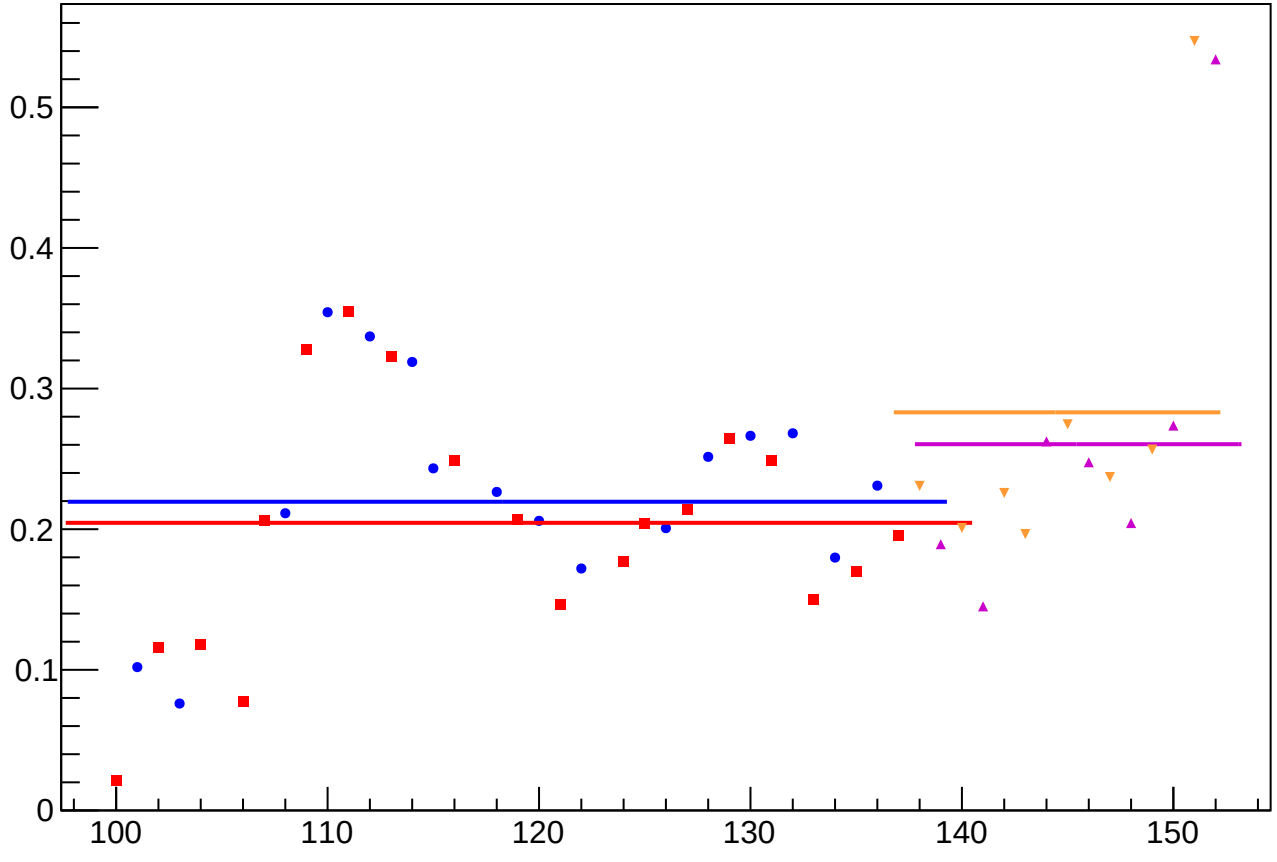
Left In: 0.004+/-0.000 χ^2/NDF:141360.3/6

+ sign 0.004+/-0.000 χ^2/NDF: 1973695.6/23

All: 0.004+/-0.000 χ^2/NDF: 3975268.4/49

- sign 0.004+/-0.000 χ^2/NDF: 1998520.0/25

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.283+/-0.000 χ^2/NDF:45318005122.5/7

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

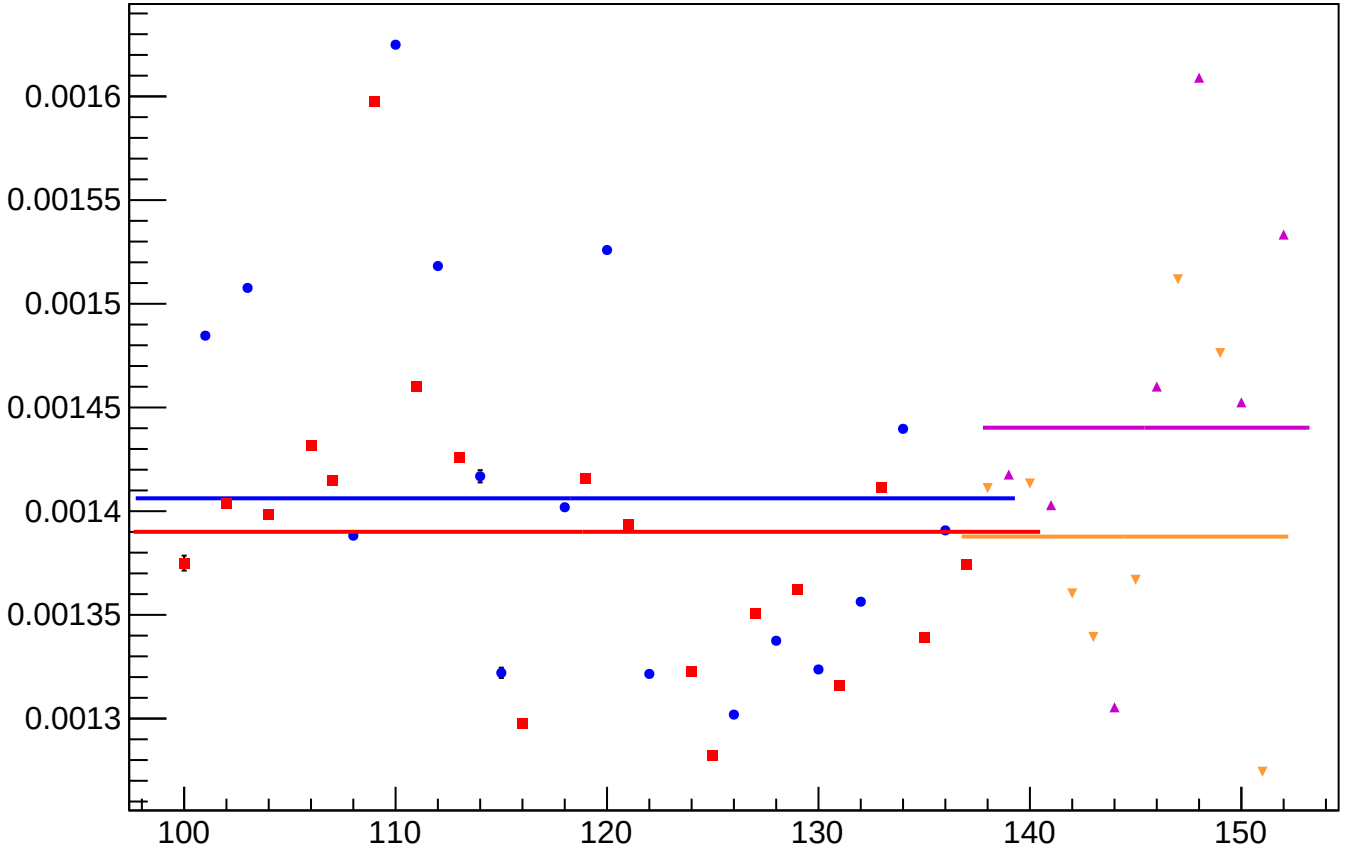
Left In: 0.260+/-0.000 χ^2/NDF:35683707981.6/6

+ sign 0.250+/-0.000 χ^2/NDF: 68784351493.1/23

All: 0.239+/-0.000 χ^2/NDF: 133375551840.9

- sign 0.229+/-0.000 χ^2/NDF: 63109853726.4/25

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:33785.7/7

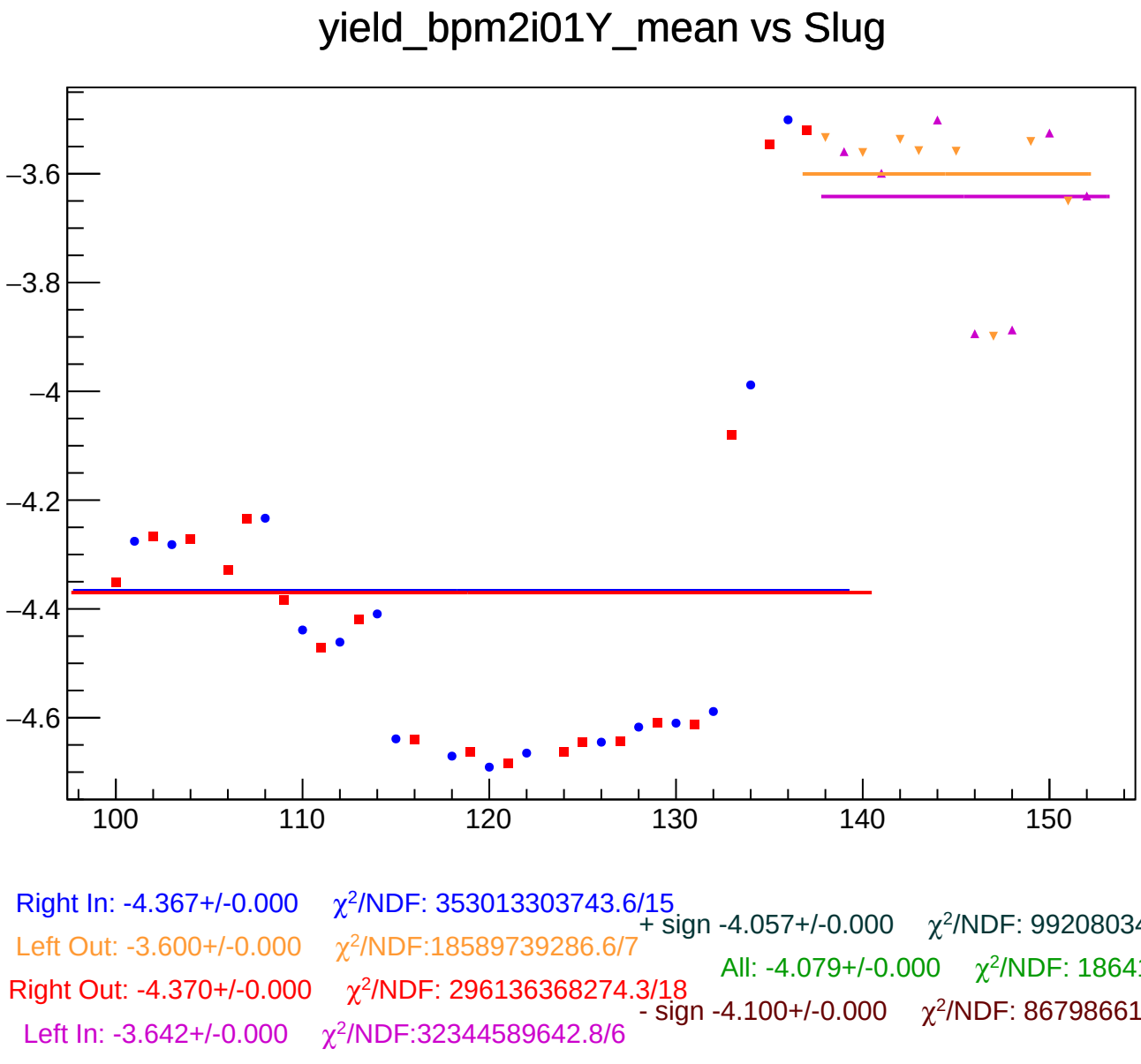
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:44608.2/6

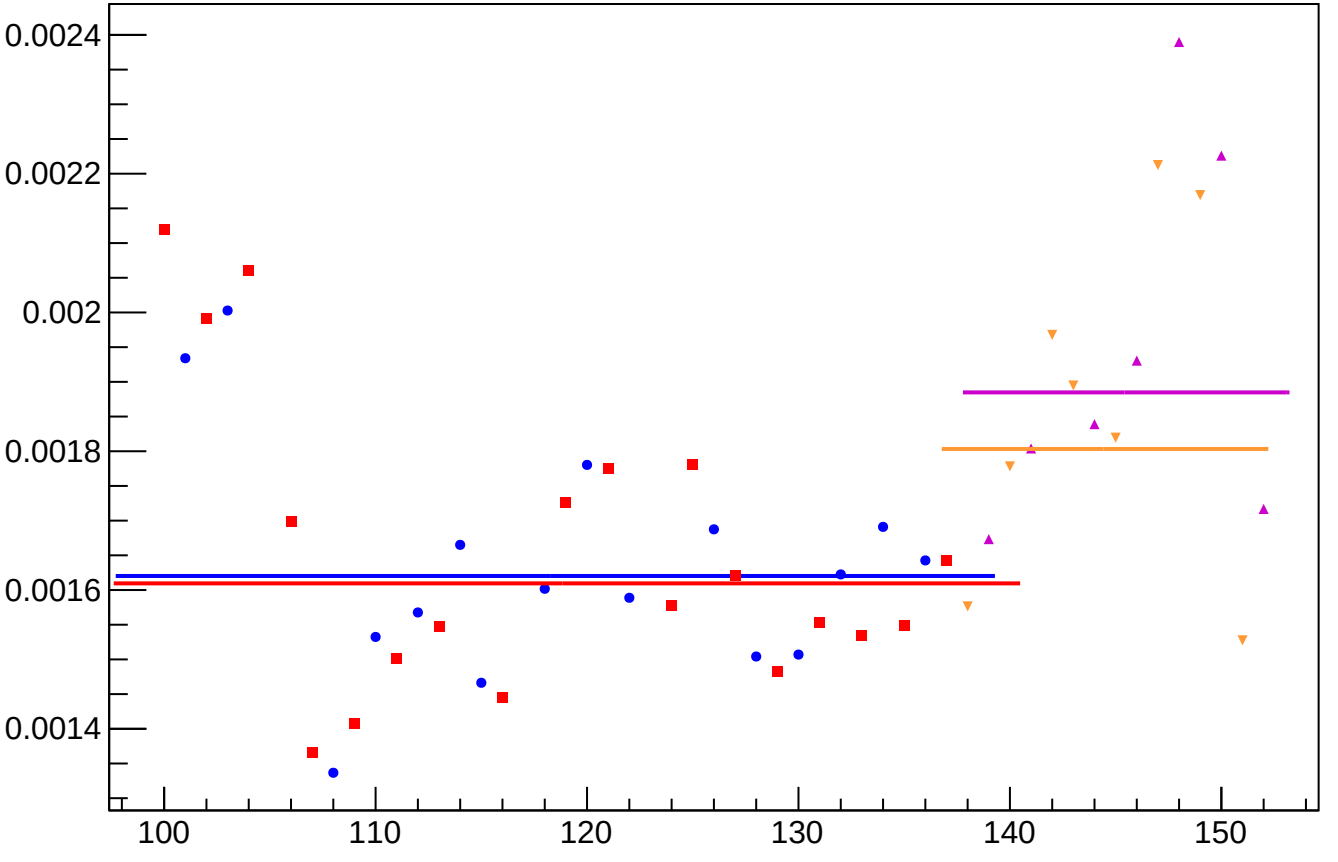
+ sign 0.001+/-0.000 χ^2/NDF: 83121.5/23

All: 0.001+/-0.000 χ^2/NDF: 172119.7/49

- sign 0.001+/-0.000 χ^2/NDF: 87641.6/25


yield_bpm2i01Y_mean vs Slug
−3.6
−3.8
−4
−4.2
−4.4
−4.6
100
110
120
130
140
150
Right In: -4.367+/-0.000 χ²/NDF: 353013303743.6/15
Left Out: -3.600+/-0.000 χ²/NDF:18589739286.6/7
Right Out: -4.370+/-0.000 χ²/NDF: 296136368274.3/18
Left In: -3.642+/-0.000 χ²/NDF:32344589642.8/6
+ sign -4.057+/-0.000 χ²/NDF: 992080343666.7/23
All: -4.079+/-0.000 χ²/NDF: 1864122308203
- sign -4.100+/-0.000 χ²/NDF: 867986611506.3/25

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:192719.9/7

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

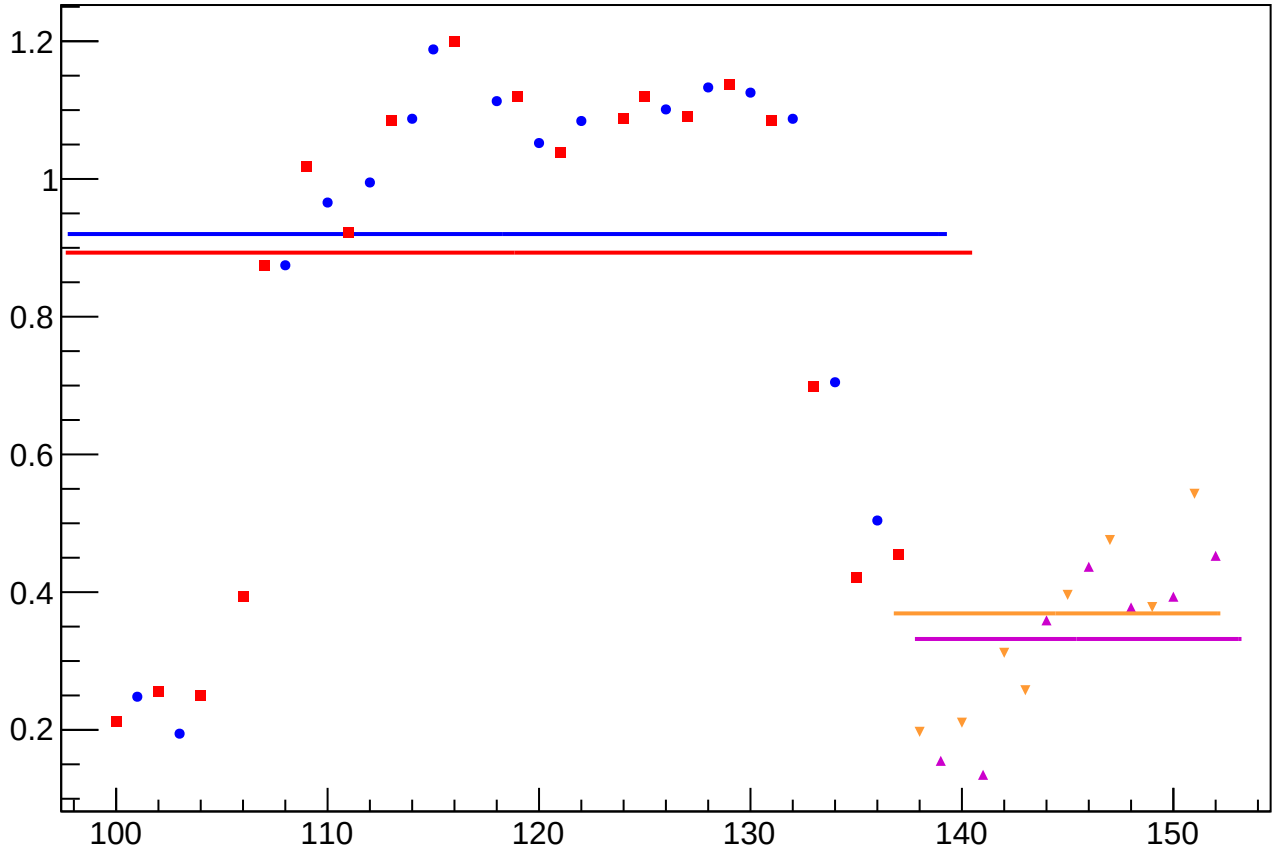
Left In: 0.002+/-0.000 χ^2/NDF:159301.1/6

+ sign 0.002+/-0.000 χ^2/NDF: 403774.1/23

All: 0.002+/-0.000 χ^2/NDF: 903543.7/49

- sign 0.002+/-0.000 χ^2/NDF: 498447.1/25

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.369+/-0.000 χ^2/NDF:1576802509.8/7

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

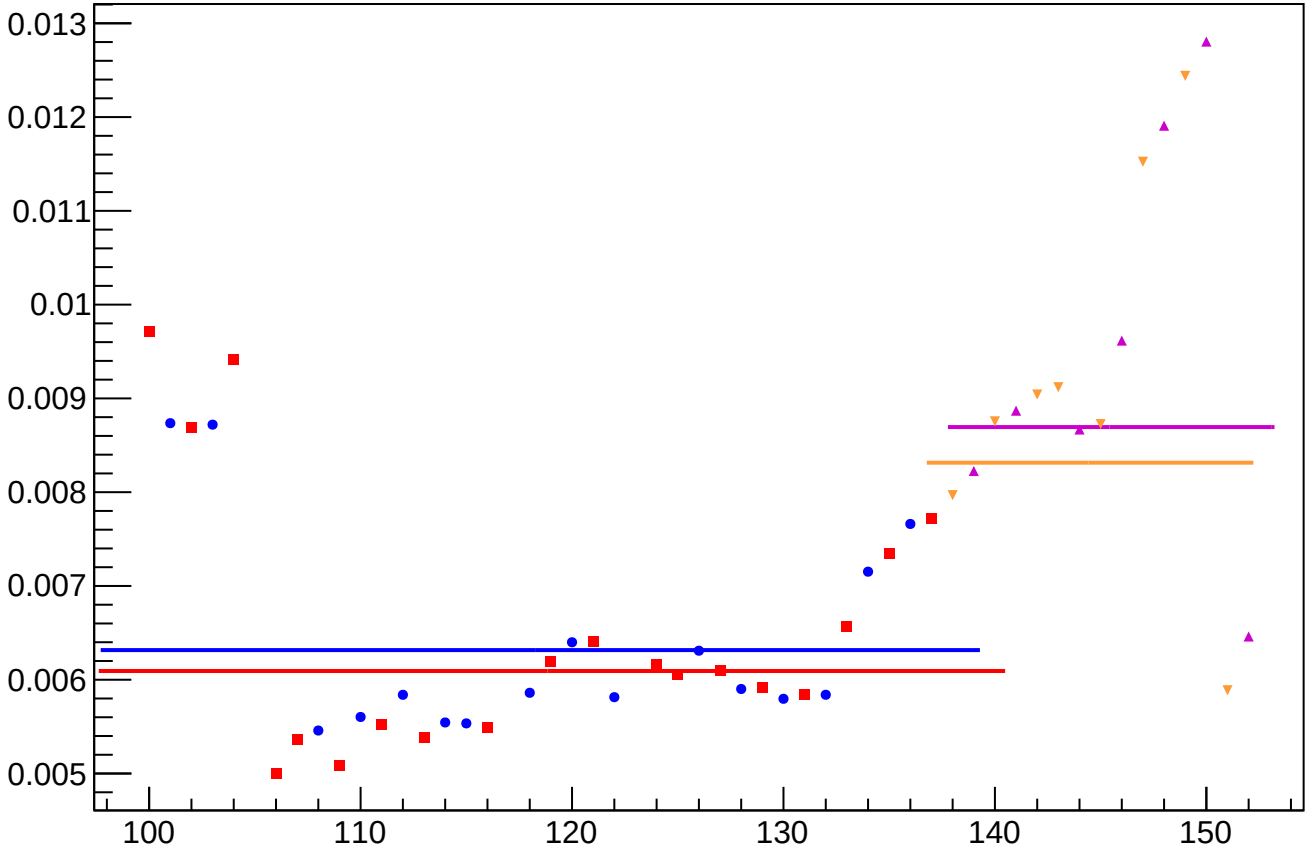
Left In: 0.332+/-0.000 χ^2/NDF:1272409124.5/6

+ sign 0.741+/-0.000 χ^2/NDF: 33430708682.4/23

All: 0.738+/-0.000 χ^2/NDF: 69730528281.5/4

- sign 0.734+/-0.000 χ^2/NDF: 36293285012.7/25

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:623844.9/7

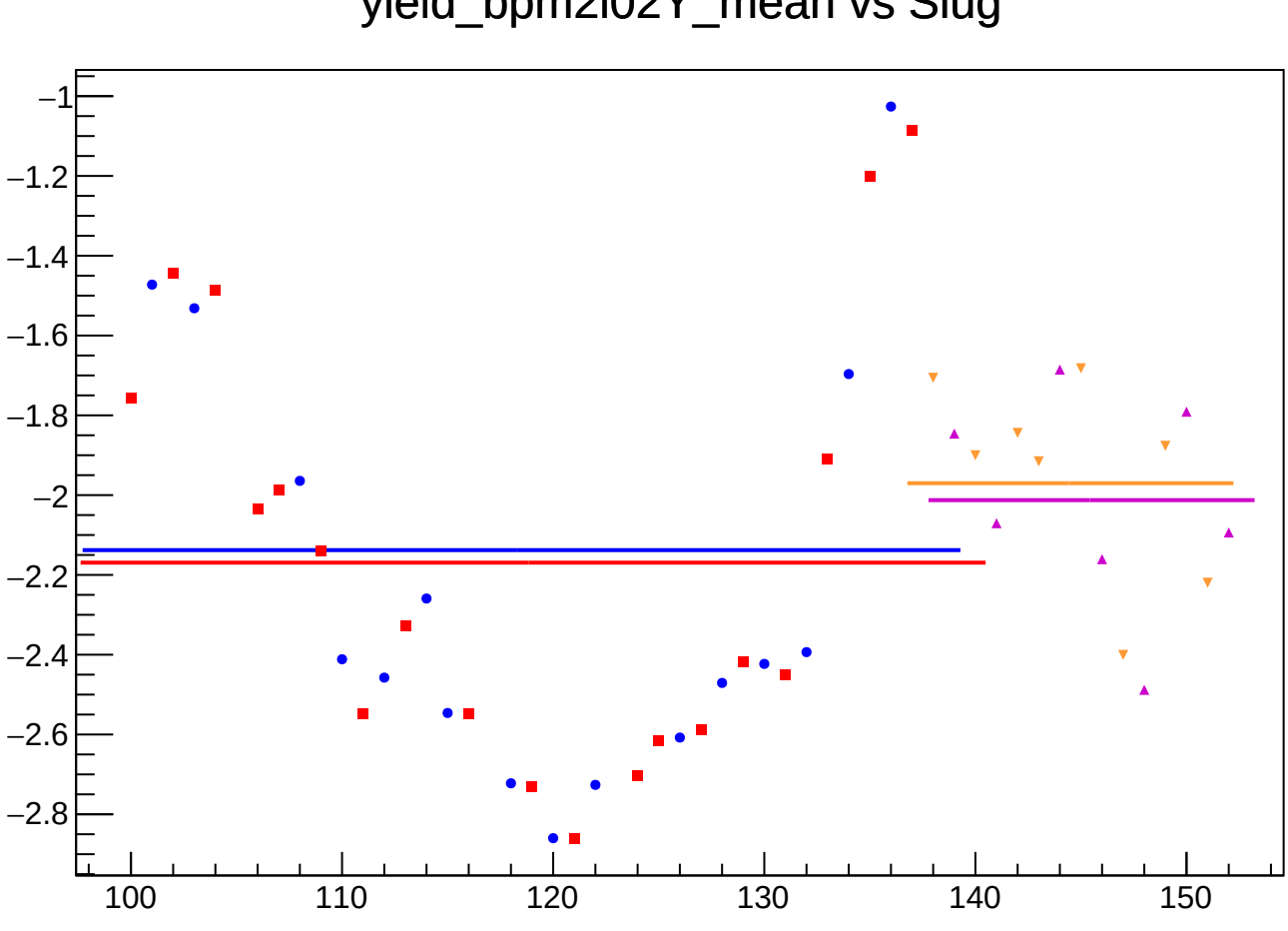
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:532475.0/6

+ sign 0.007+/-0.000 χ^2/NDF: 1414620.8/23

All: 0.007+/-0.000 χ^2/NDF: 3135230.5/49

- sign 0.007+/-0.000 χ^2/NDF: 1715729.1/25



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -1.970+/-0.000 χ^2/NDF:6345744615.2/7

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

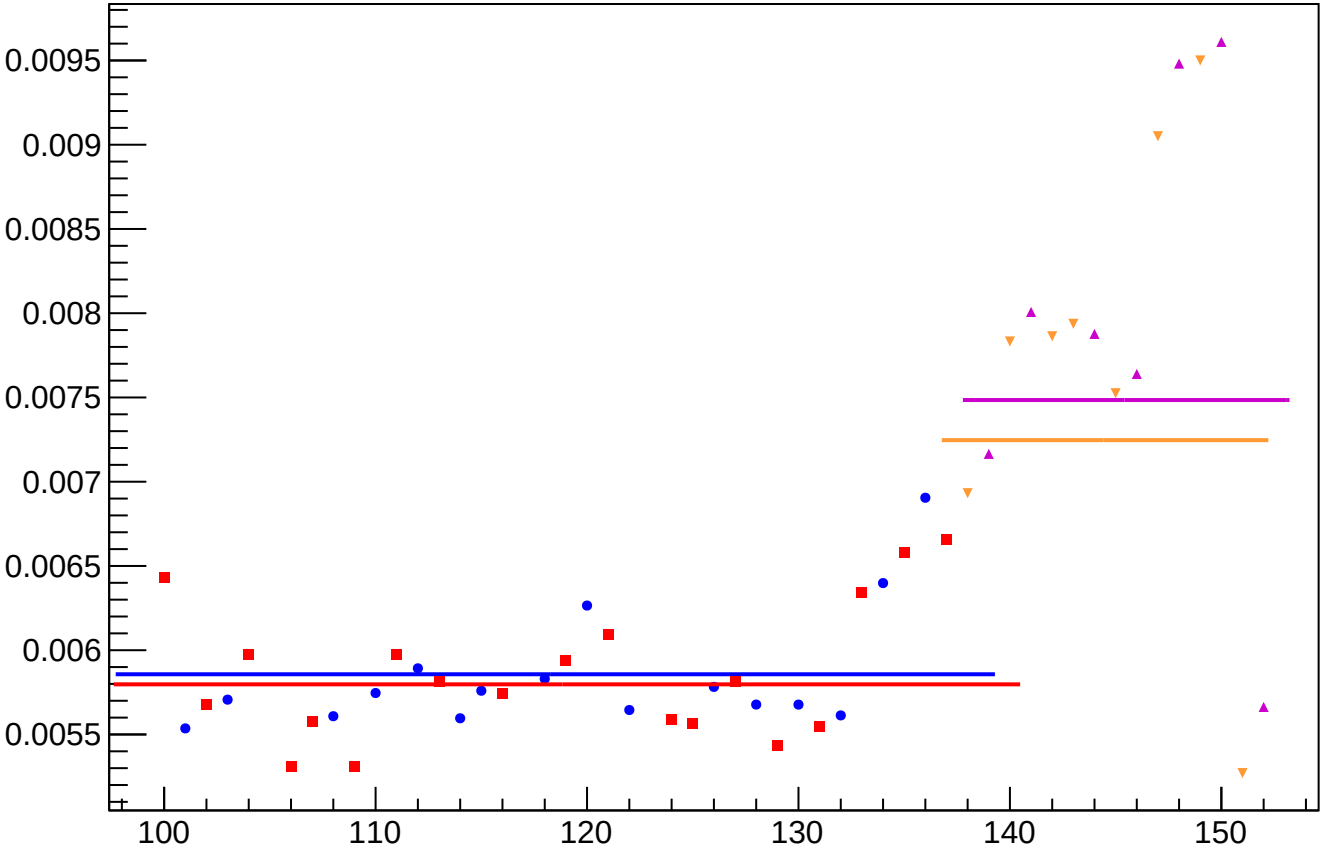
Left In: -2.013+/-0.000 χ^2/NDF:5130859894.4/6

+ sign -2.079+/-0.000 χ^2/NDF: 74083353945.2/23

All: -2.099+/-0.000 χ^2/NDF: 138638897215.9

- sign -2.119+/-0.000 χ^2/NDF: 64299553985.7/25

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:425972.8/7

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

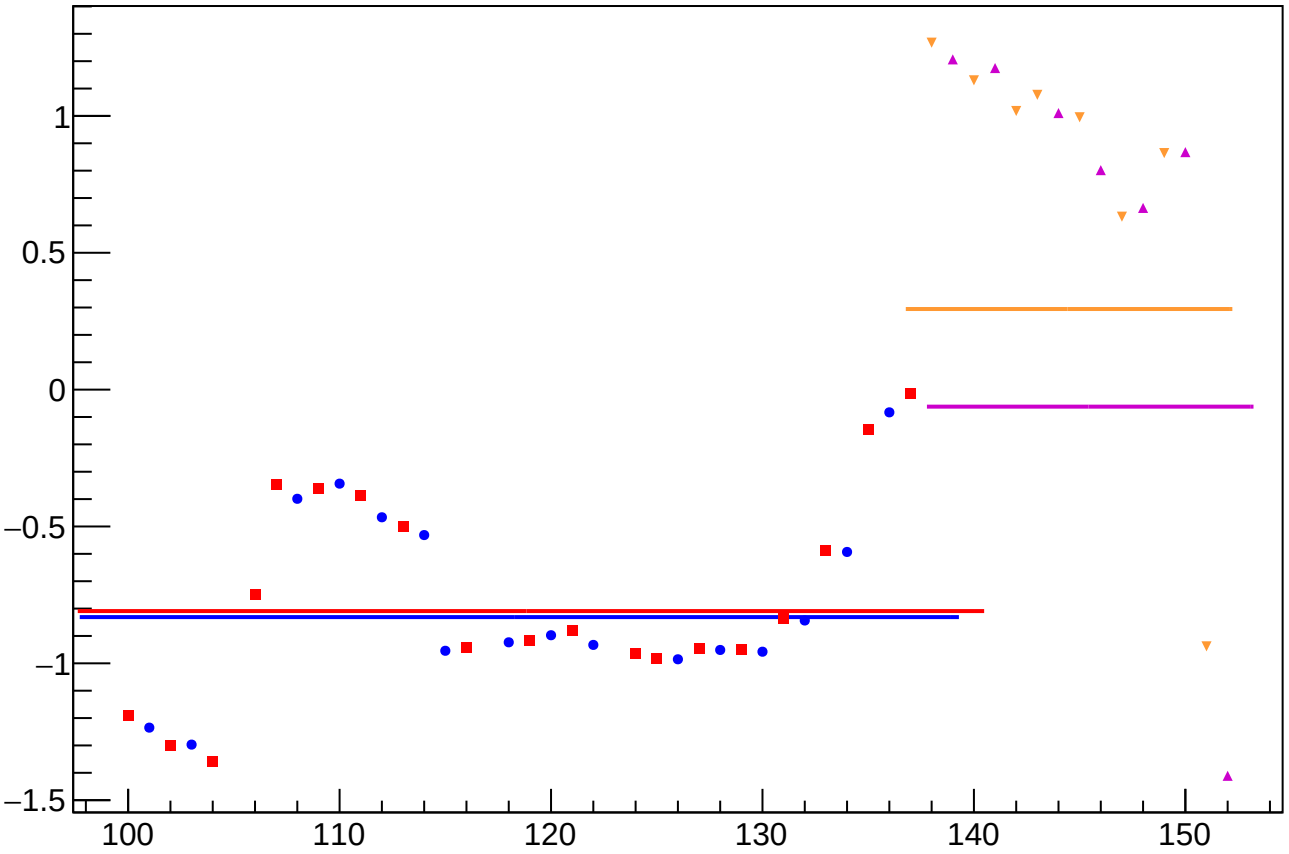
Left In: 0.007+/-0.000 χ^2/NDF:356102.4/6

+ sign 0.006+/-0.000 χ^2/NDF: 772096.2/23

All: 0.006+/-0.000 χ^2/NDF: 1592772.1/49

- sign 0.006+/-0.000 χ^2/NDF: 820673.8/25

yield_bpm0i01X_mean vs Slug



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 0.294+/-0.000 χ^2/NDF:45596873960.7/7

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

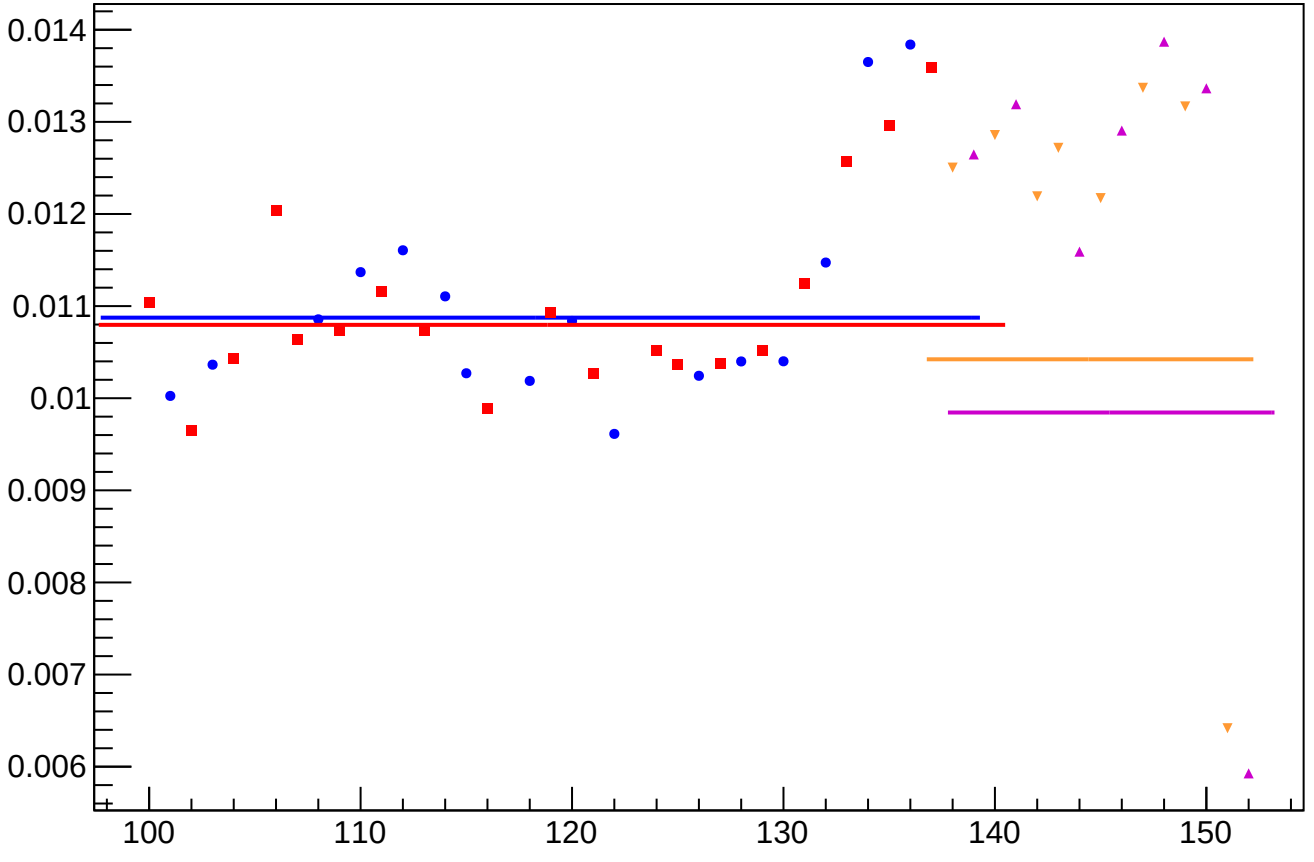
Left In: -0.062+/-0.000 χ^2/NDF:77235806698.3/6

+ sign -0.312+/-0.000 χ^2/NDF: 87458142458.9/23

All: -0.387+/-0.000 χ^2/NDF: 190293538477.3

- sign -0.458+/-0.000 χ^2/NDF: 101621320820.8/25

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:949689.3/7

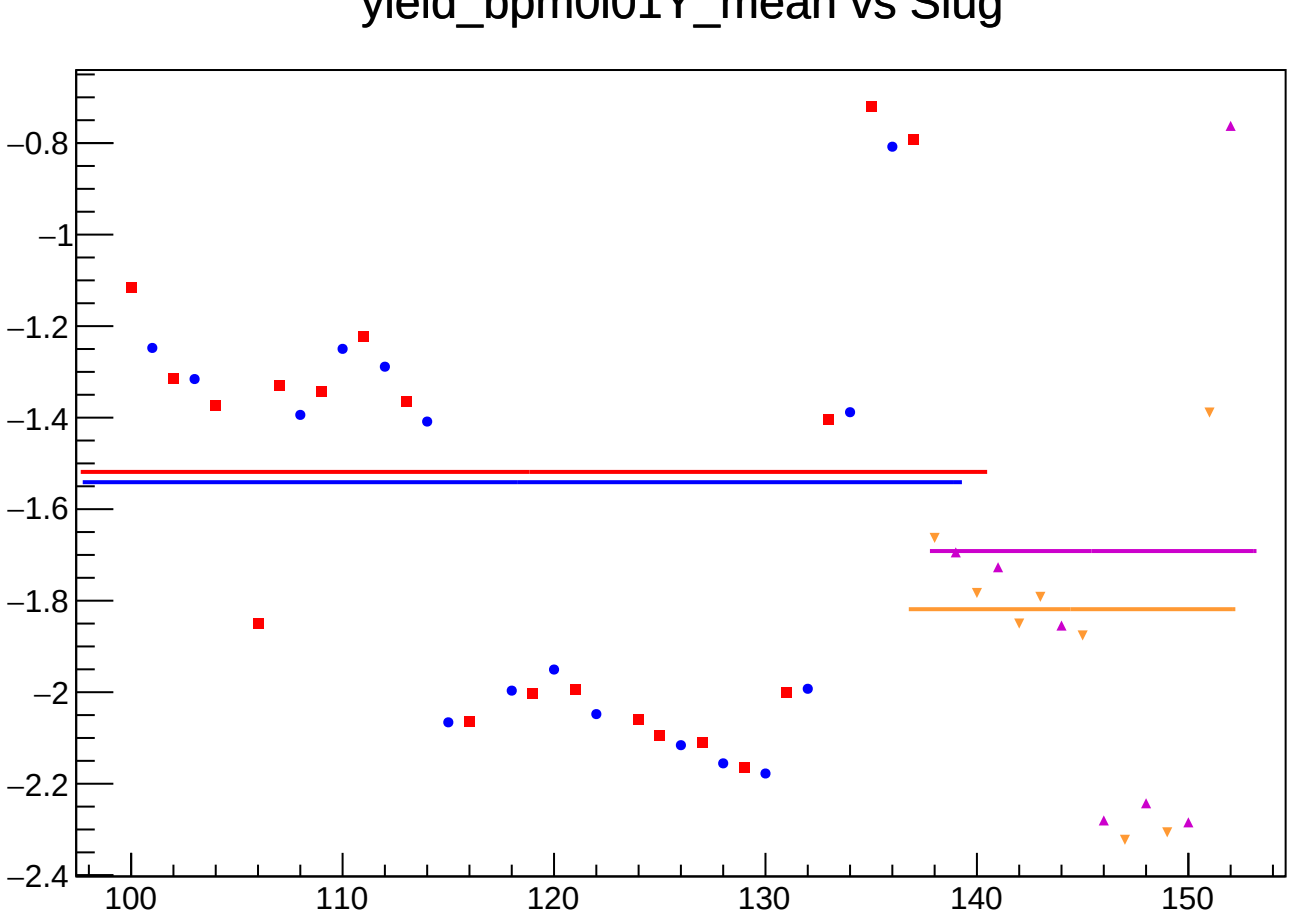
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1318446.4/6

+ sign 0.011+/-0.000 χ^2/NDF: 1118516.3/23

All: 0.011+/-0.000 χ^2/NDF: 2600177.2/49

- sign 0.010+/-0.000 χ^2/NDF: 1470282.7/25



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.819+/-0.000 χ^2/NDF:30479726346.5/7

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

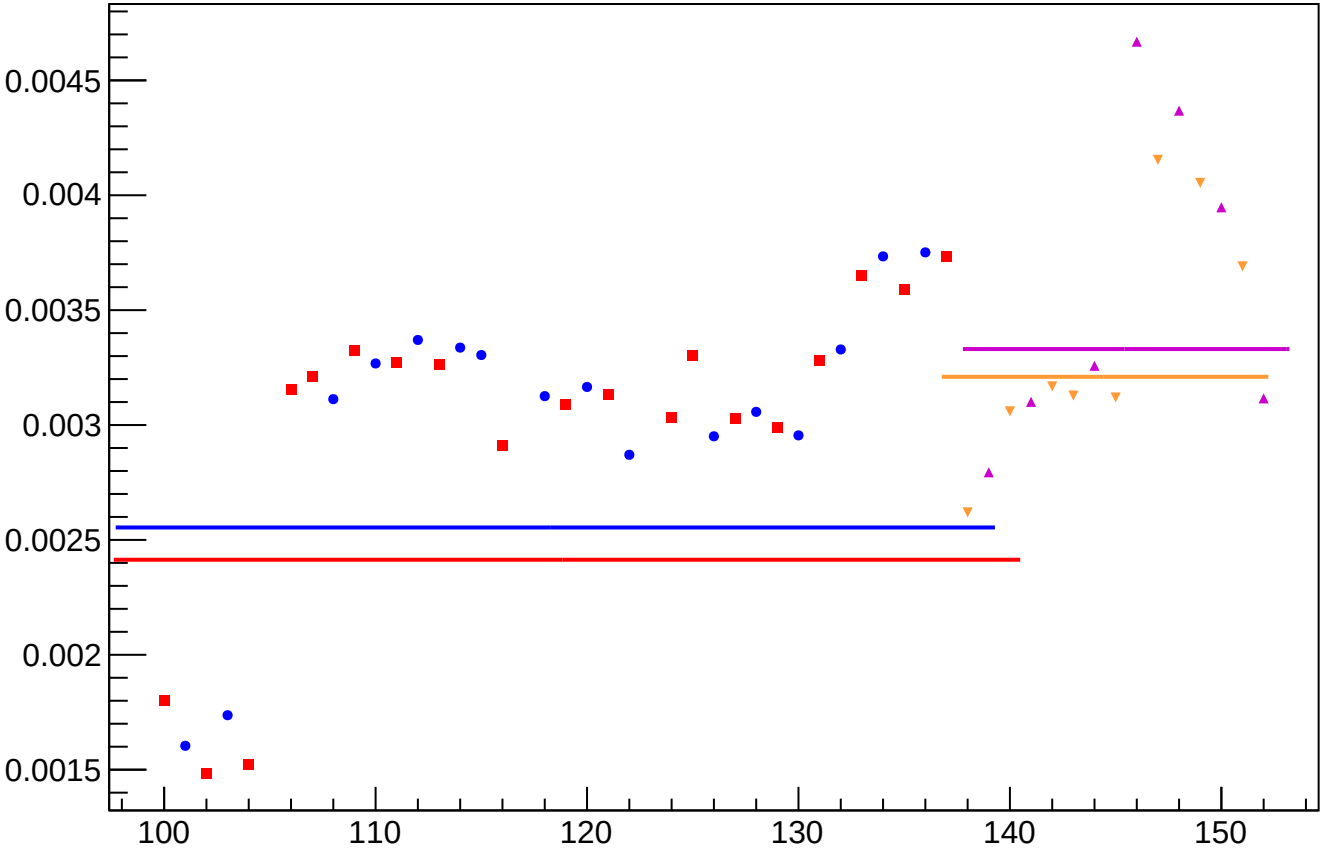
Left In: -1.692+/-0.000 χ^2/NDF:110053982716.0/6

+ sign -1.638+/-0.000 χ^2/NDF: 217928198863.8/23

All: -1.605+/-0.000 χ^2/NDF: 485655946308.4

- sign -1.572+/-0.000 χ^2/NDF: 264567717815.8/25

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:224359.2/7

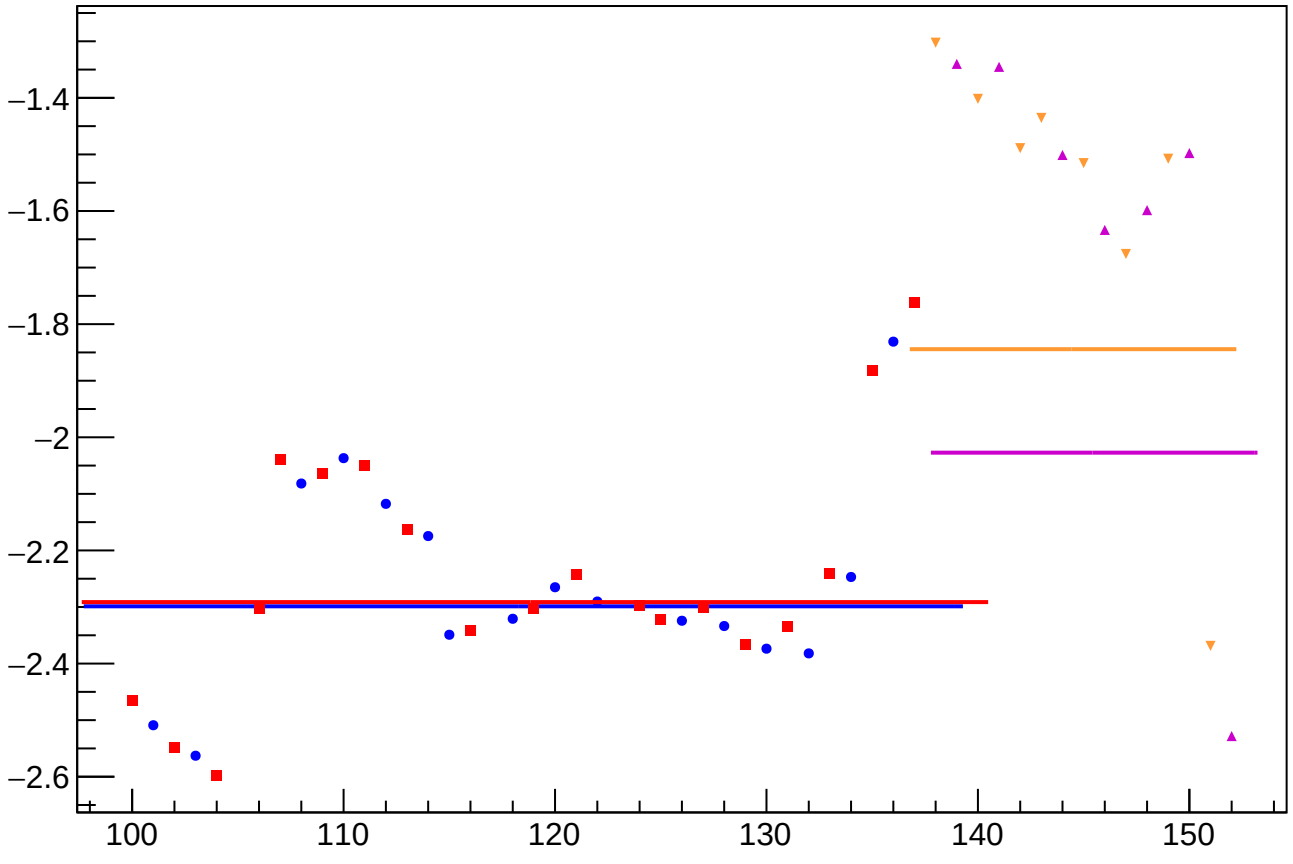
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:278712.2/6

+ sign 0.003+/-0.000 χ^2/NDF: 1676299.9/23

All: 0.003+/-0.000 χ^2/NDF: 4042992.2/49

- sign 0.003+/-0.000 χ^2/NDF: 2356062.5/25



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.844+/-0.000 χ^2/NDF:23254075671.1/7

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

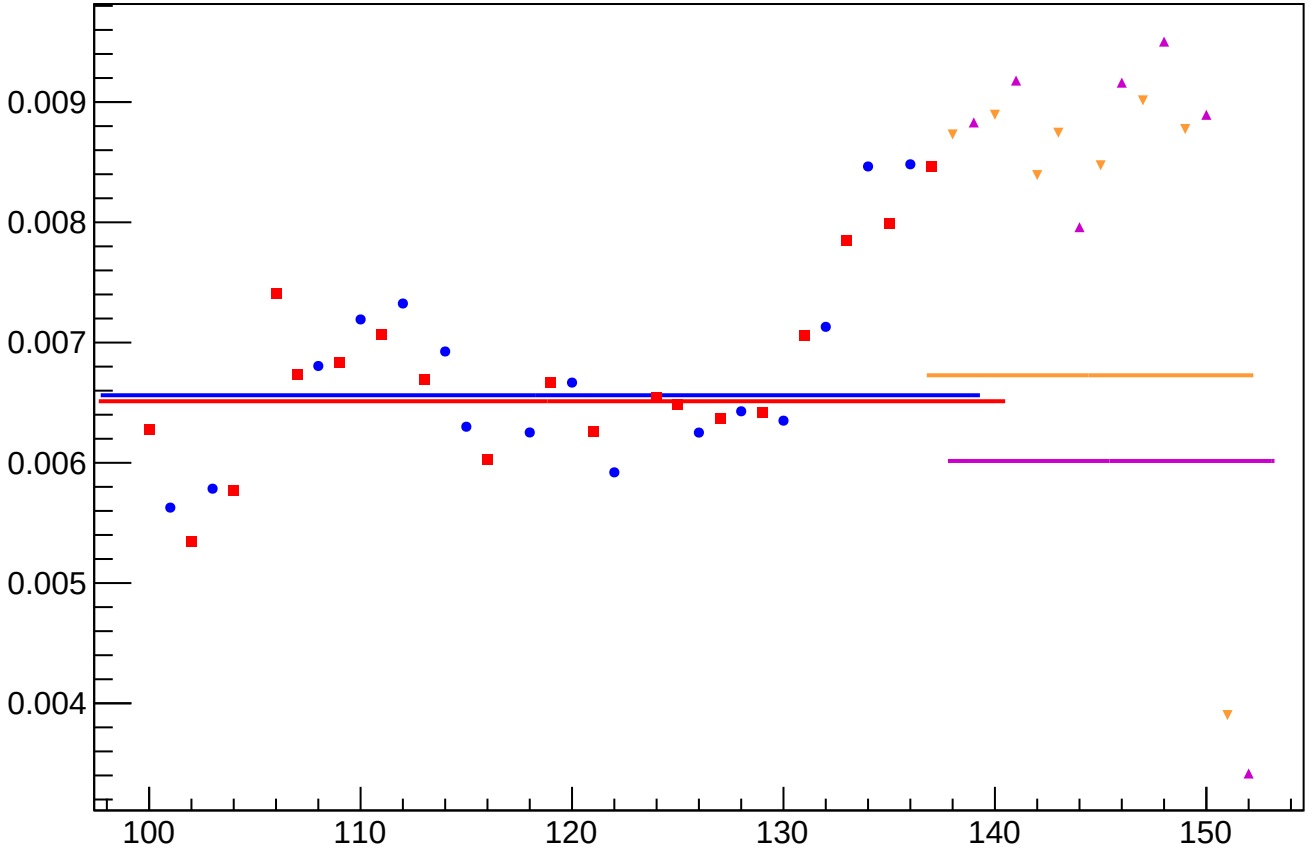
Left In: -2.027+/-0.000 χ^2/NDF:37287775235.2/6

+ sign -2.109+/-0.000 χ^2/NDF: 43244273216.2/23

All: -2.143+/-0.000 χ^2/NDF: 93154859769.0/

- sign -2.174+/-0.000 χ^2/NDF: 49301085472.4/25

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:1310367.7/7

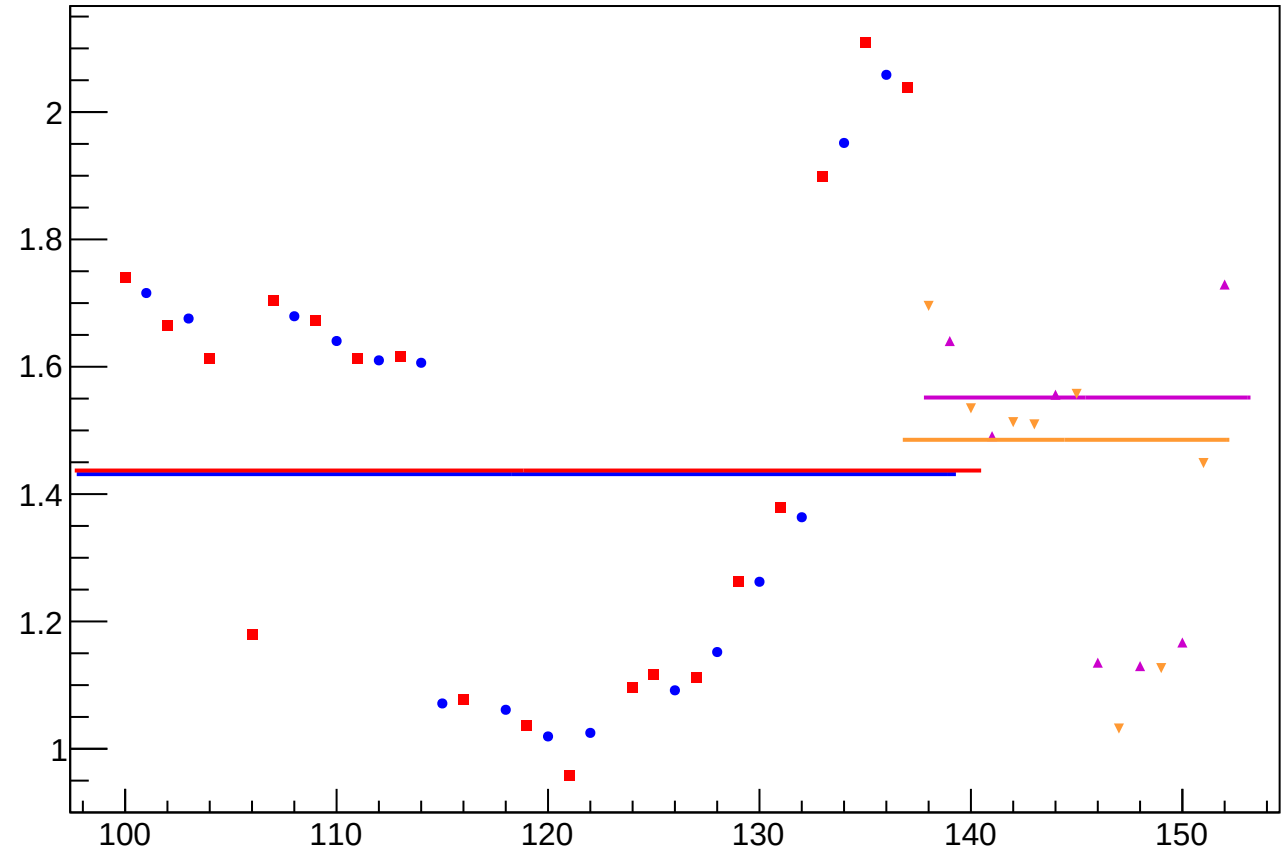
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.006+/-0.000 χ^2/NDF:1999632.9/6

+ sign 0.007+/-0.000 χ^2/NDF: 1535956.7/23

All: 0.006+/-0.000 χ^2/NDF: 3790388.6/49

- sign 0.006+/-0.000 χ^2/NDF: 2221262.3/25



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.485+/-0.000 χ^2/NDF:6556991041.4/7

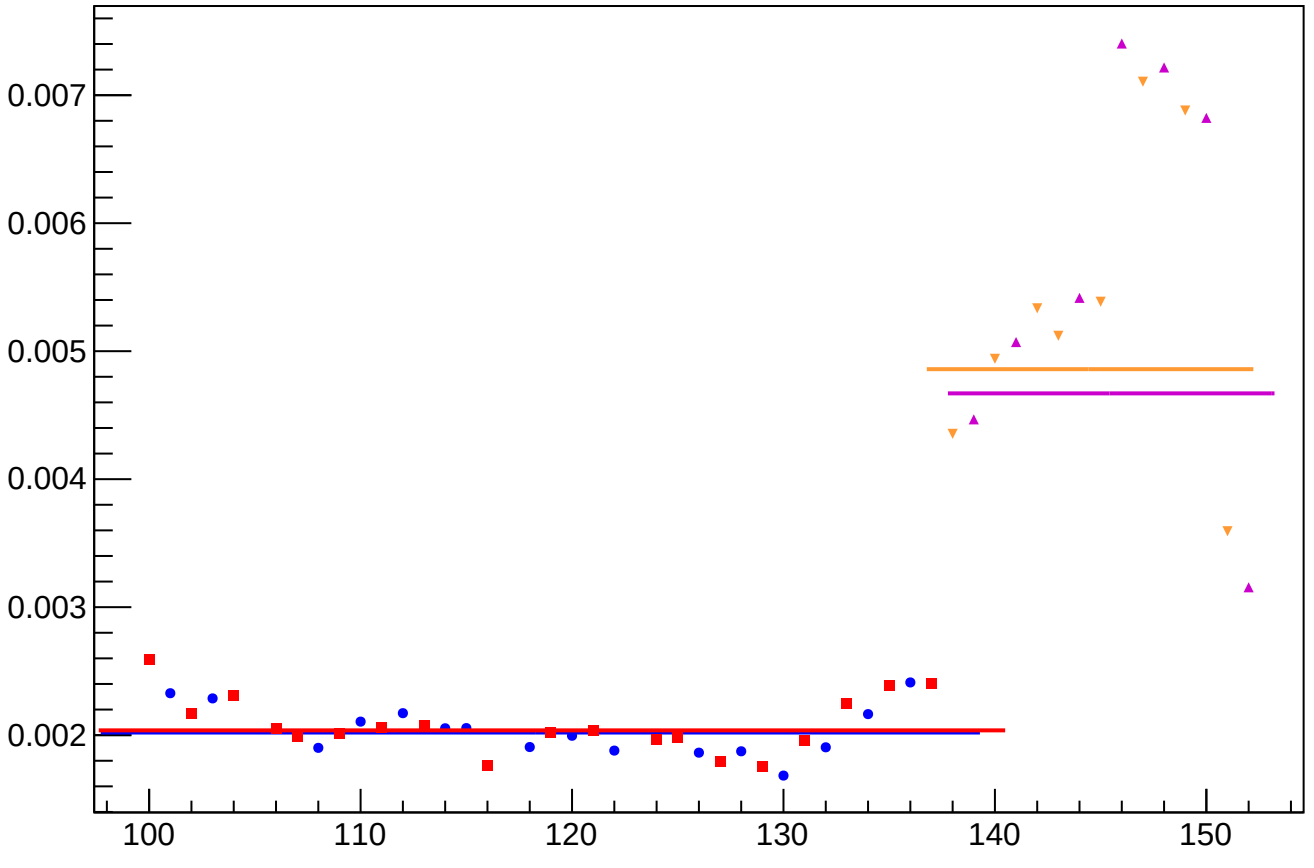
Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 1.552+/-0.000 χ^2/NDF:9833522764.1/6

+ sign 1.438+/-0.000 χ^2/NDF: 196307783510.6/23

All: 1.445+/-0.000 χ^2/NDF: 390961236688.9

- sign 1.451+/-0.000 χ^2/NDF: 194490070601.6/25



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:461668.4/7

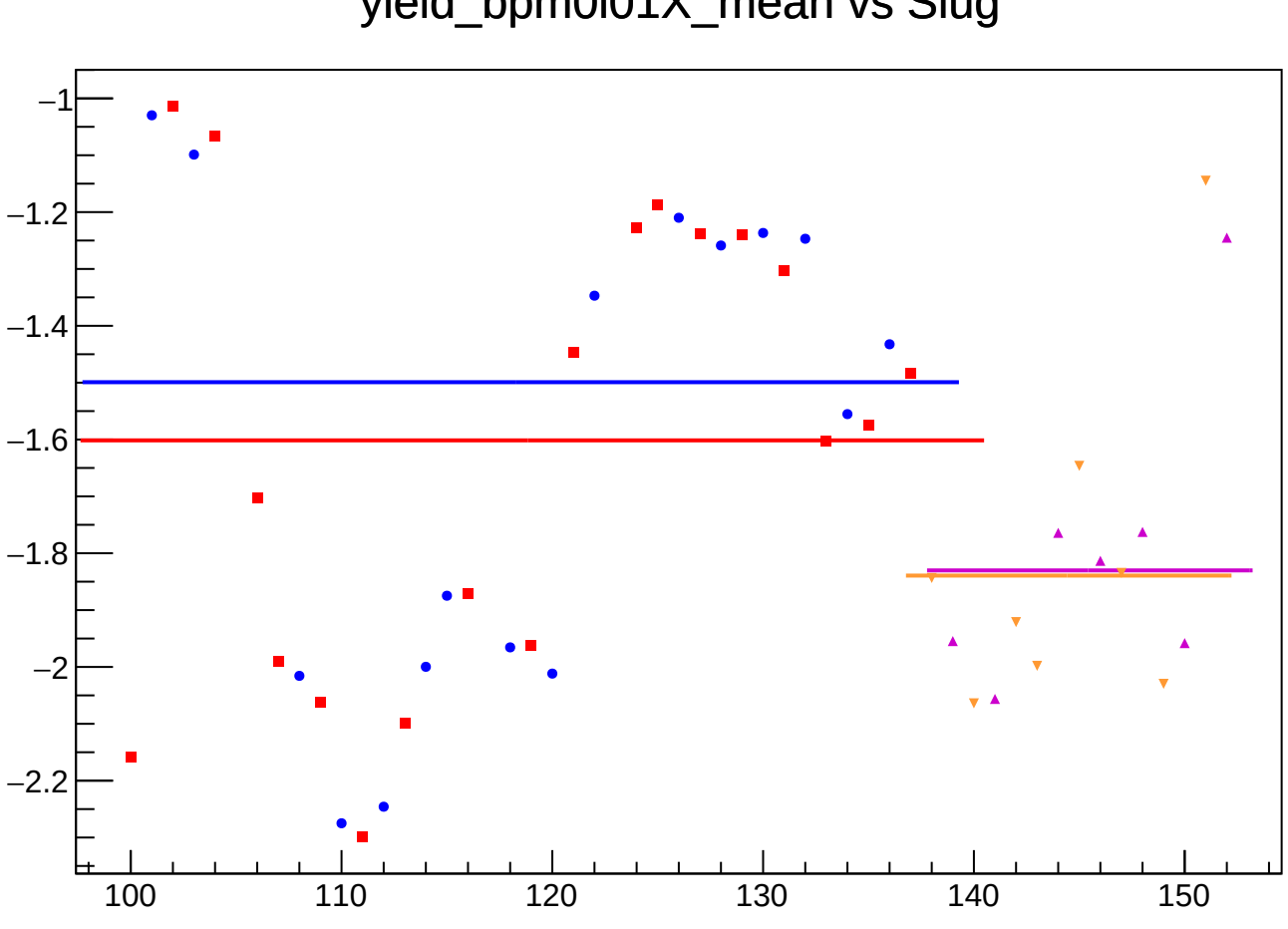
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:923947.9/6

+ sign 0.002+/-0.000 χ^2/NDF: 3774824.1/23

All: 0.002+/-0.000 χ^2/NDF: 7594225.6/49

- sign 0.002+/-0.000 χ^2/NDF: 3819397.6/25



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.839+/-0.000 χ^2/NDF:11255762271.3/7

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

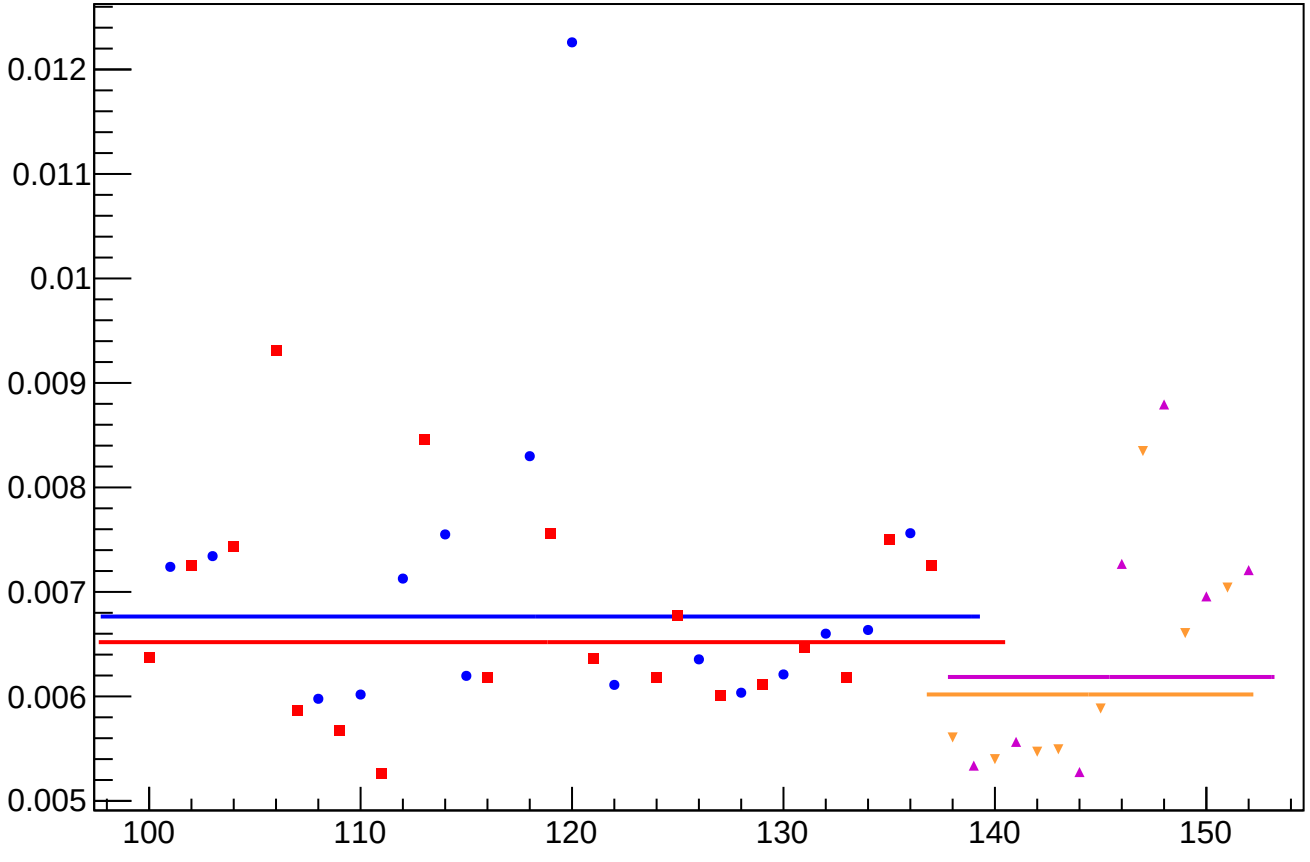
Left In: -1.830+/-0.000 χ^2/NDF:7659255610.8/6

+ sign -1.679+/-0.000 χ^2/NDF: 42859963429.9/23

All: -1.694+/-0.000 χ^2/NDF: 82986942646.6/

- sign -1.709+/-0.000 χ^2/NDF: 39987577501.9/25

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:215578.9/7

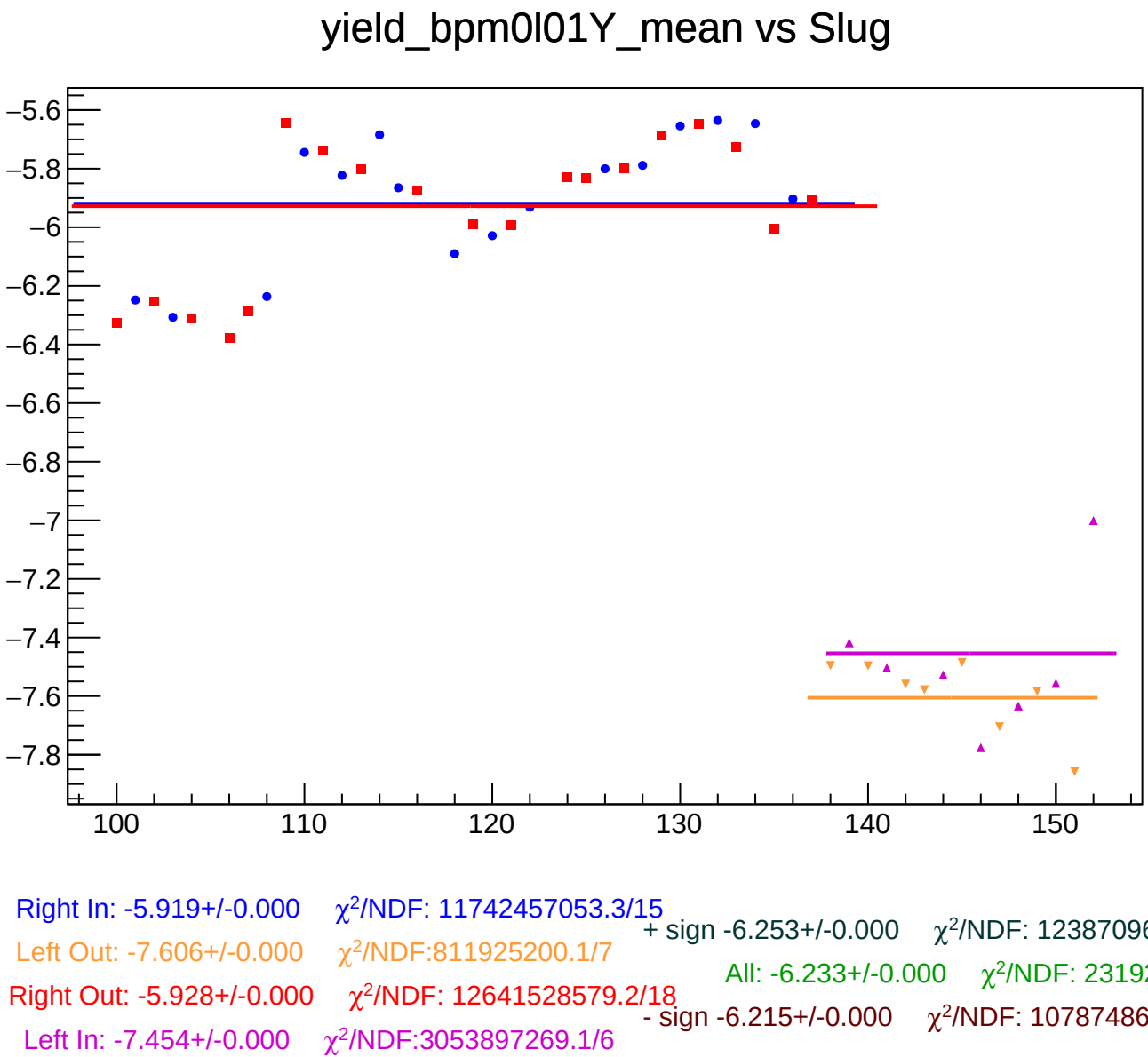
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:332158.3/6

+ sign 0.006+/-0.000 χ^2/NDF: 537574.7/23

All: 0.006+/-0.000 χ^2/NDF: 1132180.6/49

- sign 0.006+/-0.000 χ^2/NDF: 594586.9/25



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.606+/-0.000 χ^2/NDF:811925200.1/7

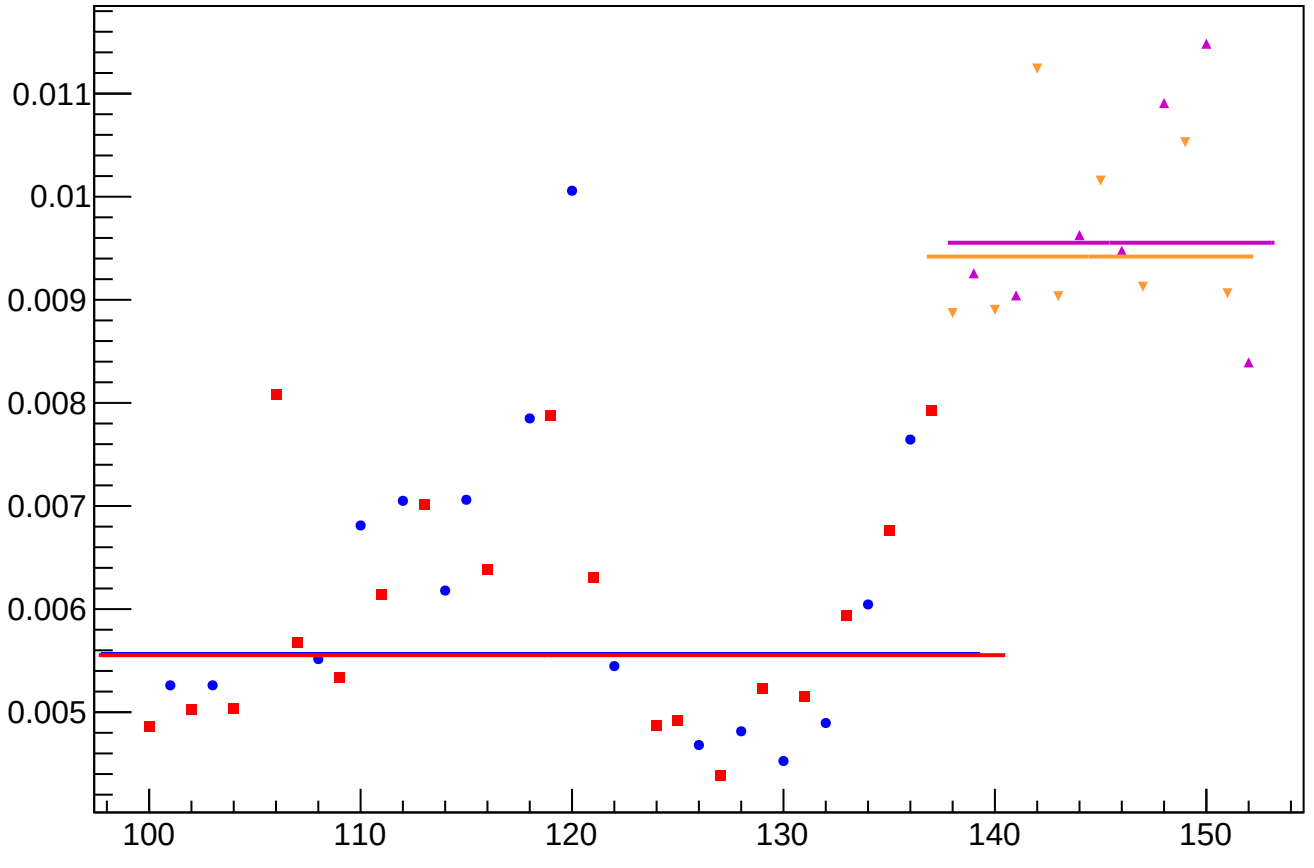
Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -7.454+/-0.000 χ^2/NDF:3053897269.1/6

+ sign -6.253+/-0.000 χ^2/NDF: 123870964175.2/23

All: -6.233+/-0.000 χ^2/NDF: 231925044119.5

- sign -6.215+/-0.000 χ^2/NDF: 107874867995.9/25



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:49021.7/7

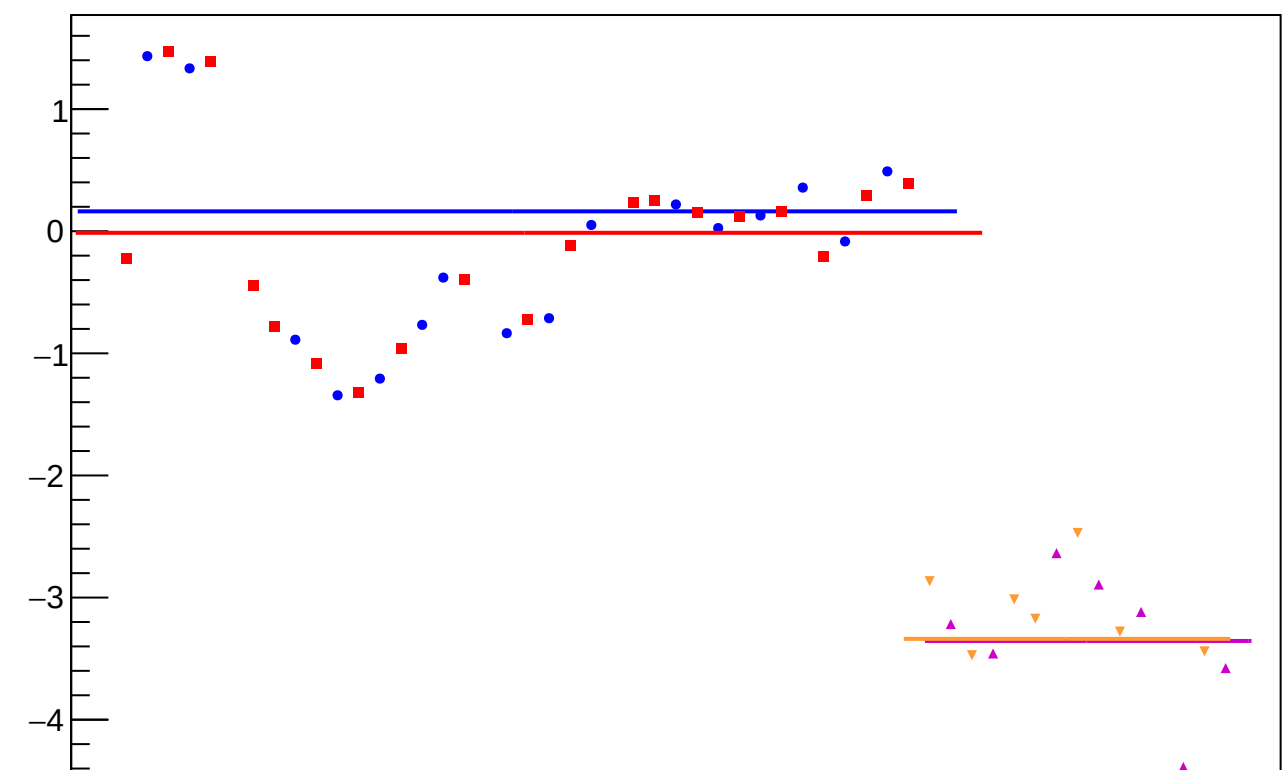
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:89503.9/6

+ sign 0.006+/-0.000 χ^2/NDF: 1708156.3/23

All: 0.006+/-0.000 χ^2/NDF: 3429620.2/49

- sign 0.006+/-0.000 χ^2/NDF: 1721354.0/25



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.338+/-0.000 χ^2/NDF:6196932535.6/7

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

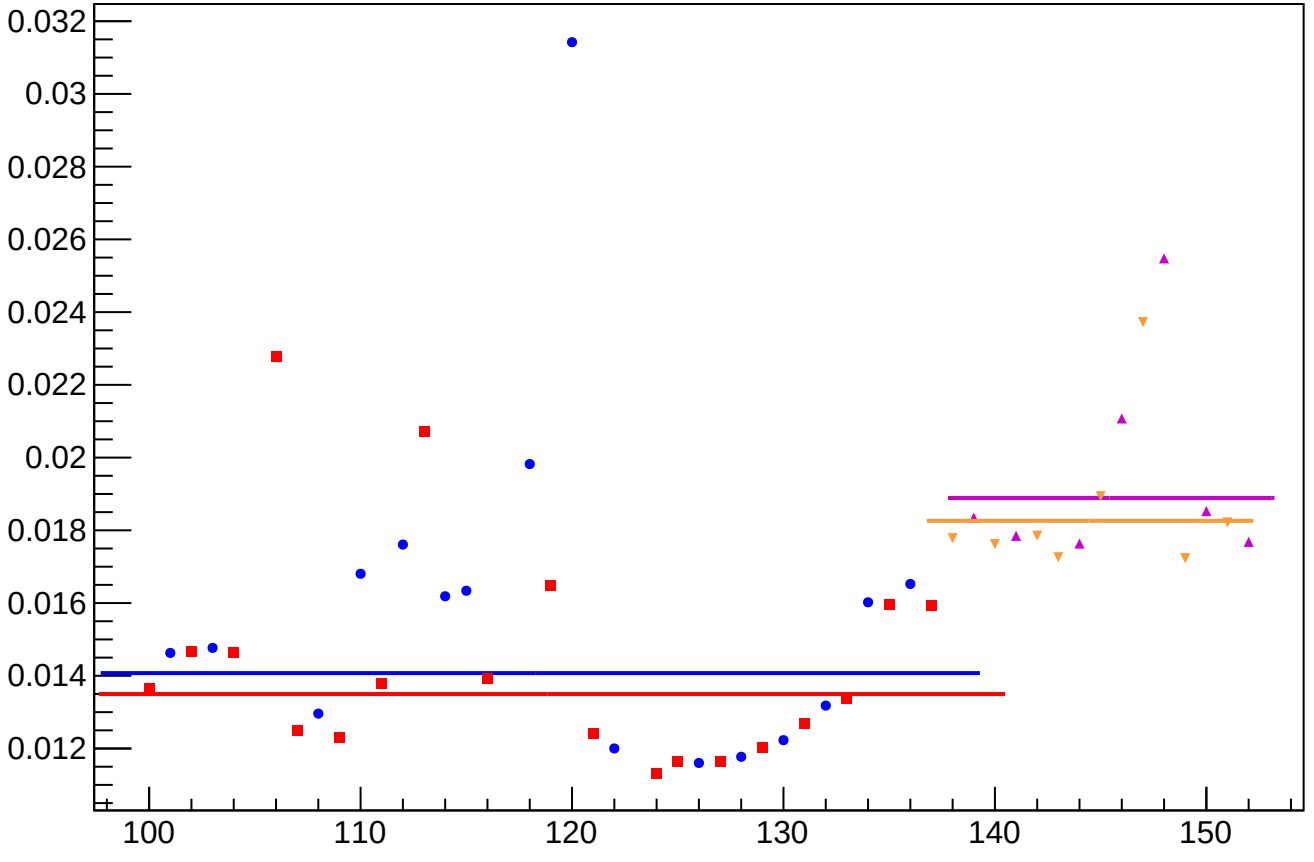
Left In: -3.355+/-0.000 χ^2/NDF:4673989020.9/6

+ sign -1.064+/-0.000 χ^2/NDF: 160789451198.4/23

All: -1.035+/-0.000 χ^2/NDF: 311742085940.2

- sign -1.009+/-0.000 χ^2/NDF: 150875779976.9/25

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:95681.4/7

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

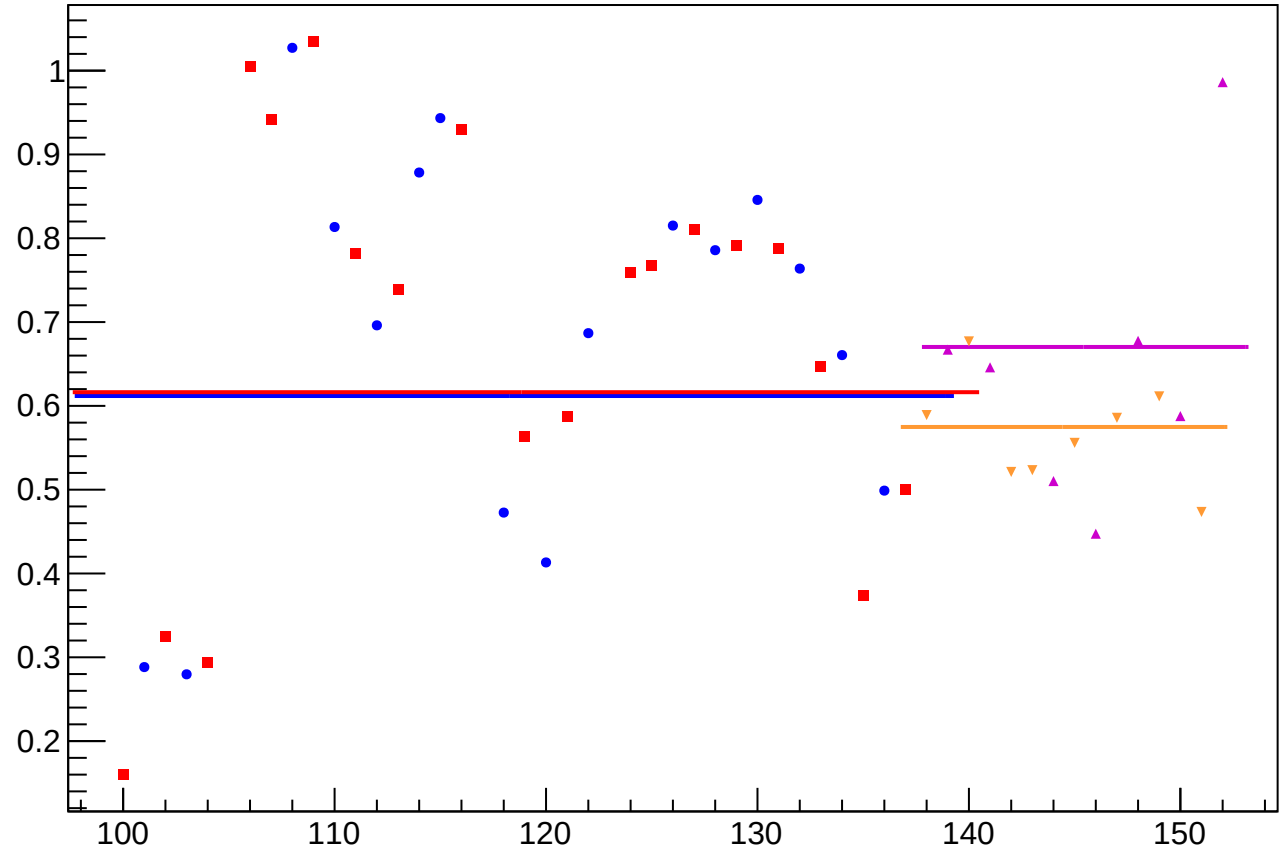
Left In: 0.019+/-0.000 χ^2/NDF:141467.1/6

+ sign 0.016+/-0.000 χ^2/NDF: 951971.1/23

All: 0.015+/-0.000 χ^2/NDF: 2061676.3/49

- sign 0.015+/-0.000 χ^2/NDF: 1100013.5/25

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.575+/-0.000 χ^2/NDF:276687290.4/7

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

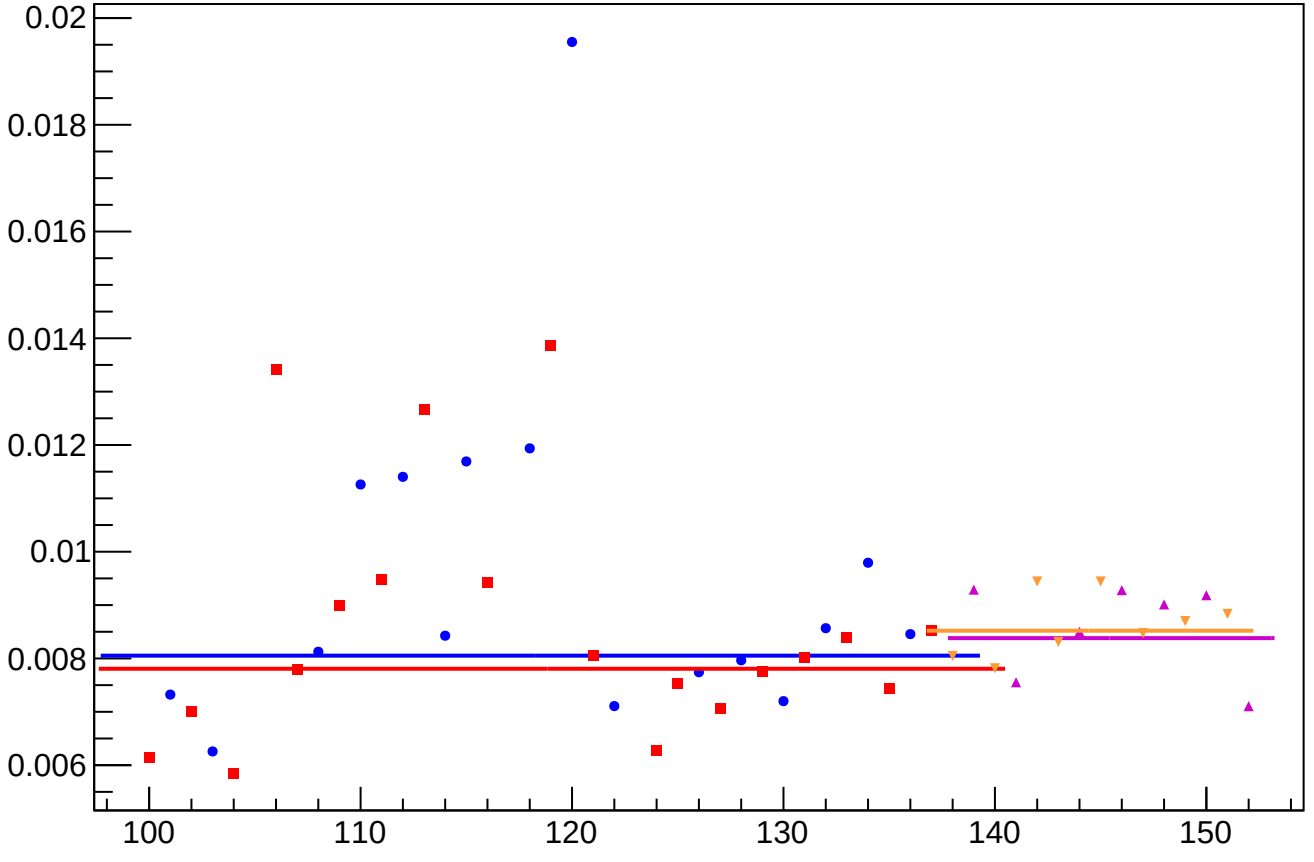
Left In: 0.670+/-0.000 χ^2/NDF:2261558204.6/6

+ sign 0.596+/-0.000 χ^2/NDF: 5971593209.4/23

All: 0.618+/-0.000 χ^2/NDF: 14940872420.4/4

- sign 0.639+/-0.000 χ^2/NDF: 8808685898.6/25

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:39564.8/7

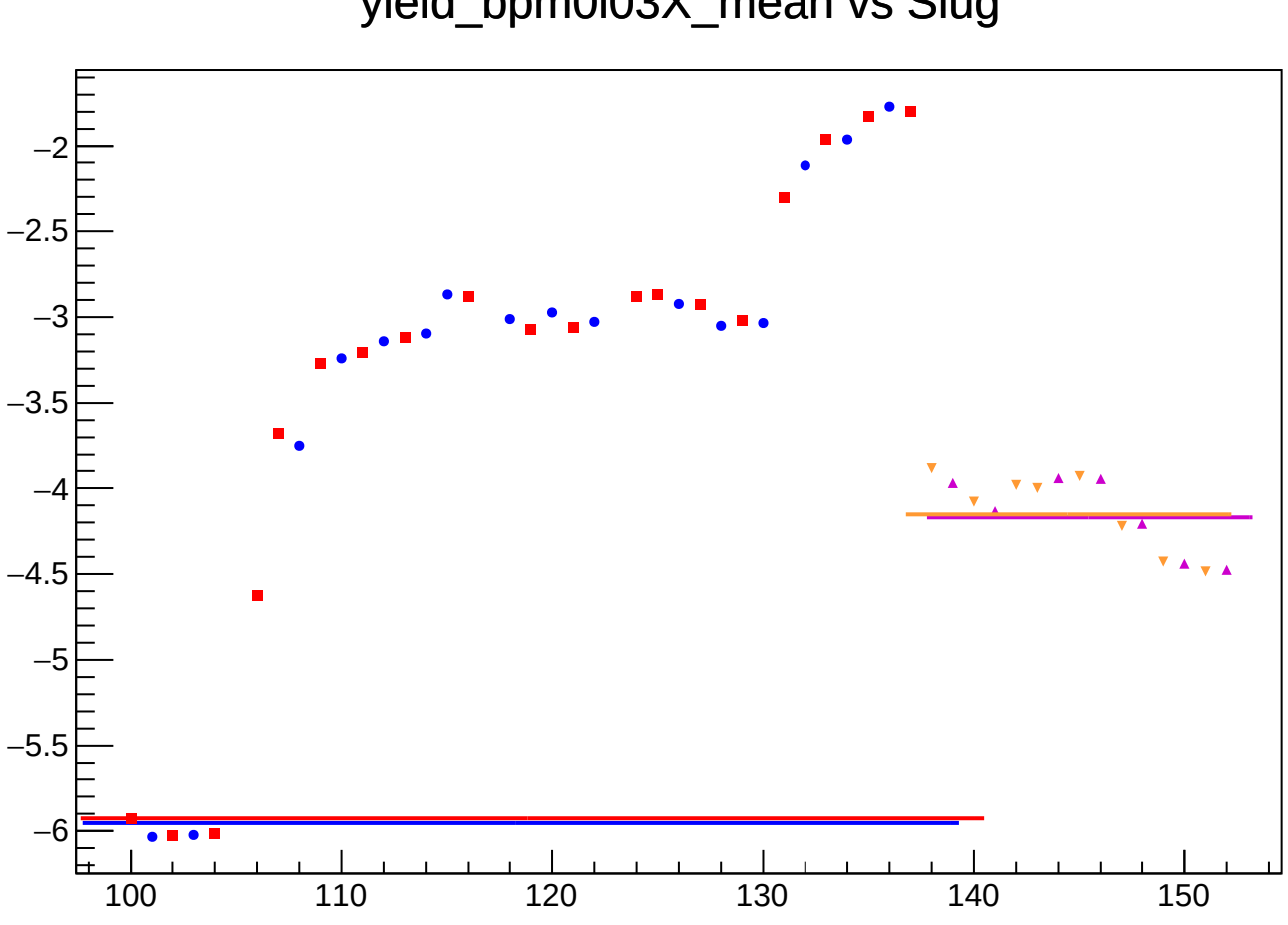
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:115003.4/6

+ sign 0.008+/-0.000 χ^2/NDF: 655749.2/23

All: 0.008+/-0.000 χ^2/NDF: 1394343.4/49

- sign 0.008+/-0.000 χ^2/NDF: 731020.1/25



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.153+/-0.000 χ^2/NDF:49331014.1/7

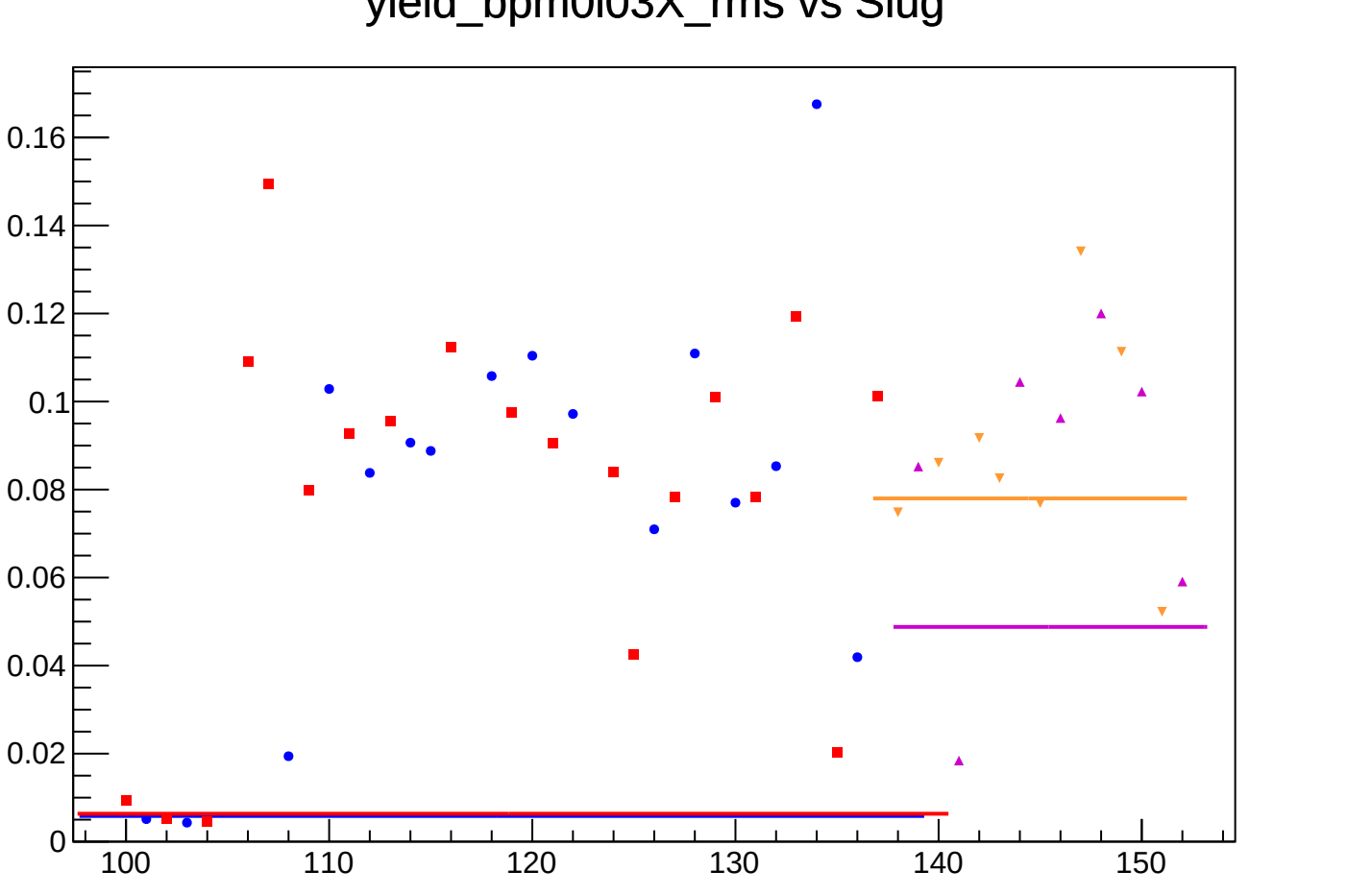
Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

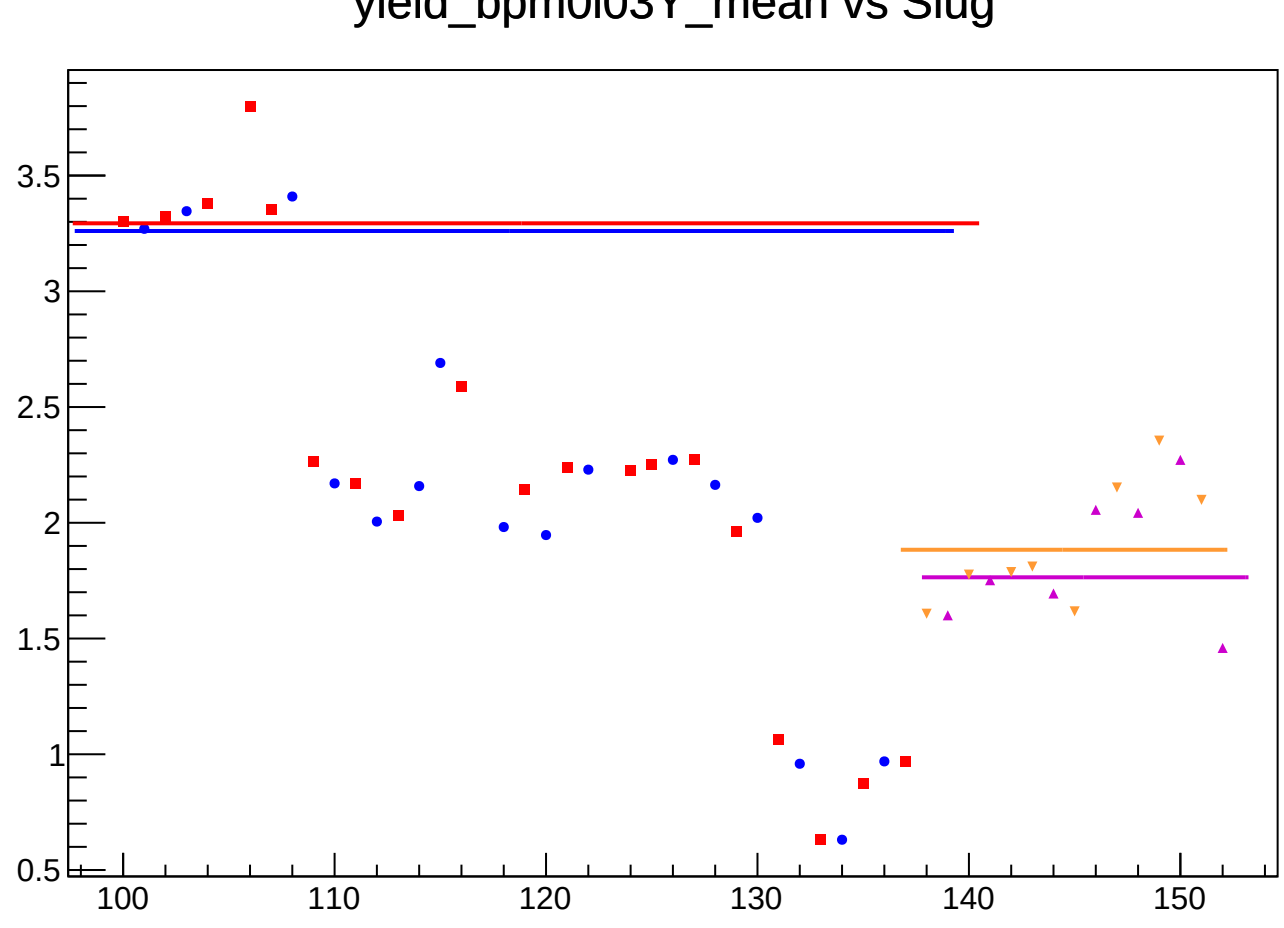
Left In: -4.170+/-0.000 χ^2/NDF:35361879.8/6

+ sign -5.925+/-0.000 χ^2/NDF: 15810862464.8/23

All: -5.903+/-0.000 χ^2/NDF: 33537562505.3/

- sign -5.877+/-0.000 χ^2/NDF: 17670889198.5/25


yield_bpm0l03X_rms vs Slug
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: 0.006+/-0.000 χ²/NDF: 8700553.3/15
Left Out: 0.078+/-0.000 χ²/NDF:721337.0/7
Right Out: 0.006+/-0.000 χ²/NDF: 8751831.3/18
Left In: 0.049+/-0.000 χ²/NDF:3287260.4/6
+ sign 0.007+/-0.000 χ²/NDF: 17963574.1/23
All: 0.007+/-0.000 χ²/NDF: 34353622.2/49
- sign 0.008+/-0.000 χ²/NDF: 16375162.4/25



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.883+/-0.000 χ^2/NDF:40836950.9/7

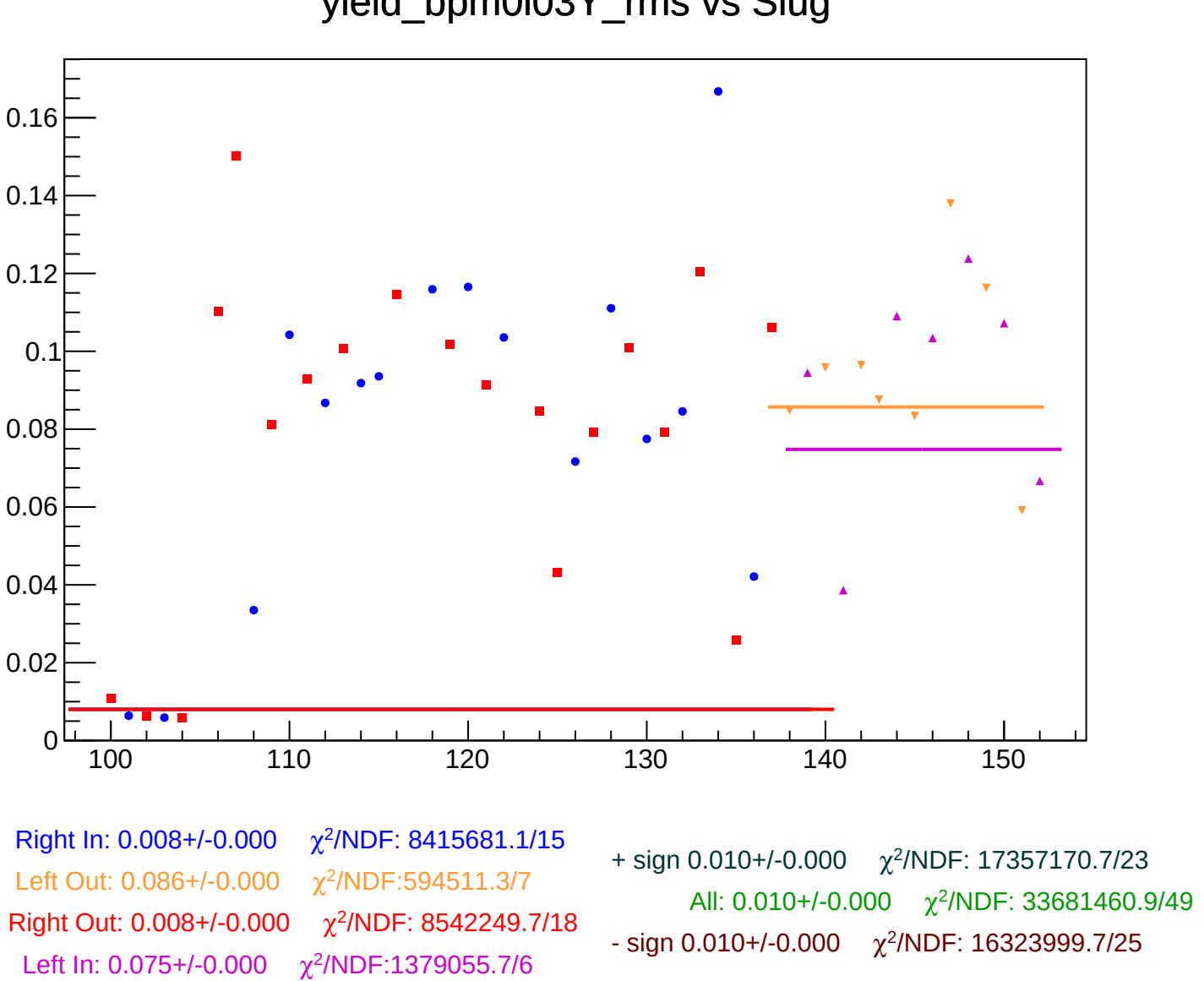
Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

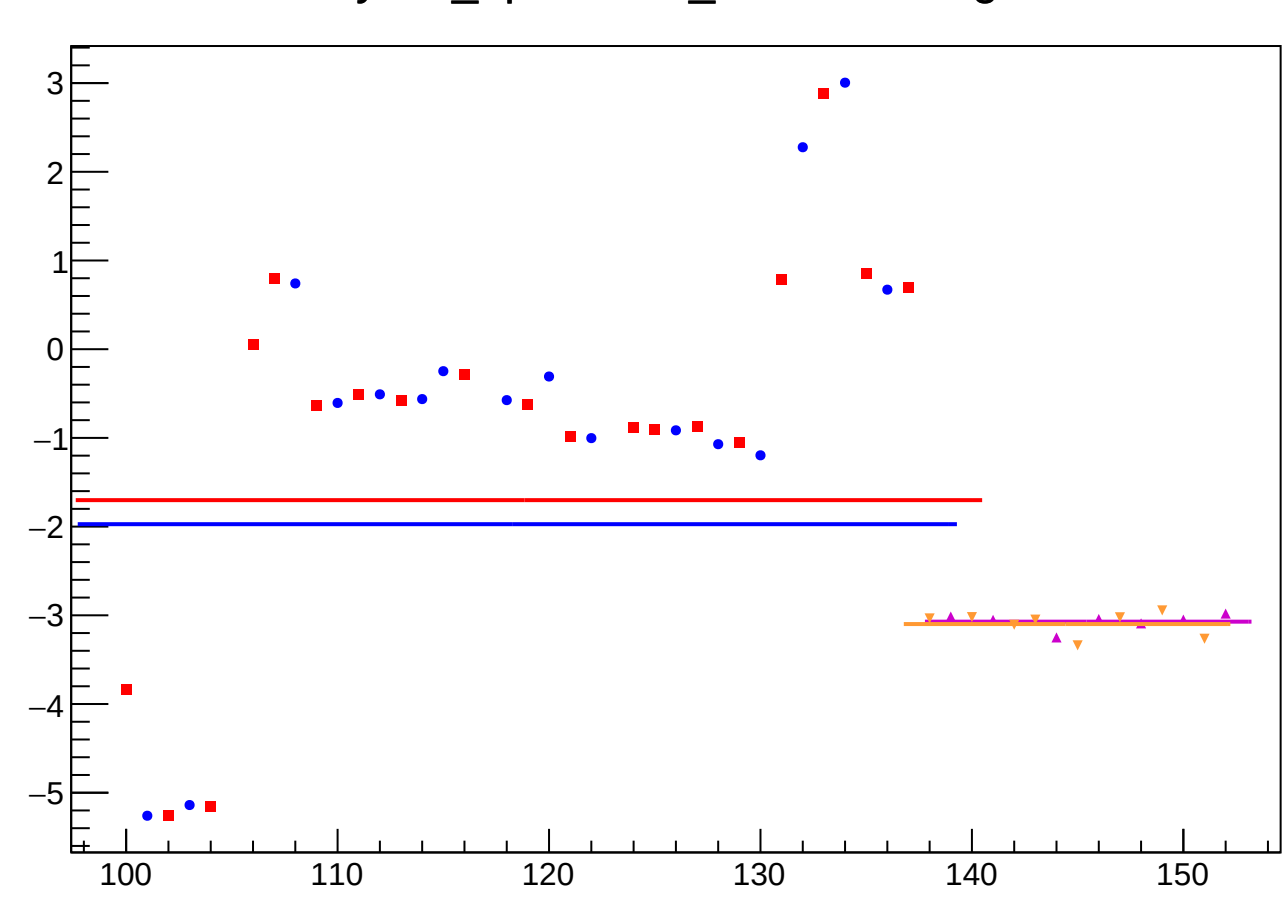
Left In: 1.764+/-0.000 χ^2/NDF:43395060.9/6

+ sign 3.230+/-0.000 χ^2/NDF: 4362283721.8/23

All: 3.243+/-0.000 χ^2/NDF: 9338589574.6/49

- sign 3.256+/-0.000 χ^2/NDF: 4965598315.4/25


yield_bpm0l03Y_rms vs Slug
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: 0.008+/-0.000 χ²/NDF: 8415681.1/15
Left Out: 0.086+/-0.000 χ²/NDF:594511.3/7
Right Out: 0.008+/-0.000 χ²/NDF: 8542249.7/18
Left In: 0.075+/-0.000 χ²/NDF:1379055.7/6
+ sign 0.010+/-0.000 χ²/NDF: 17357170.7/23
All: 0.010+/-0.000 χ²/NDF: 33681460.9/49
- sign 0.010+/-0.000 χ²/NDF: 16323999.7/25



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.099+/-0.000 χ^2/NDF:1531798291.0/7

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

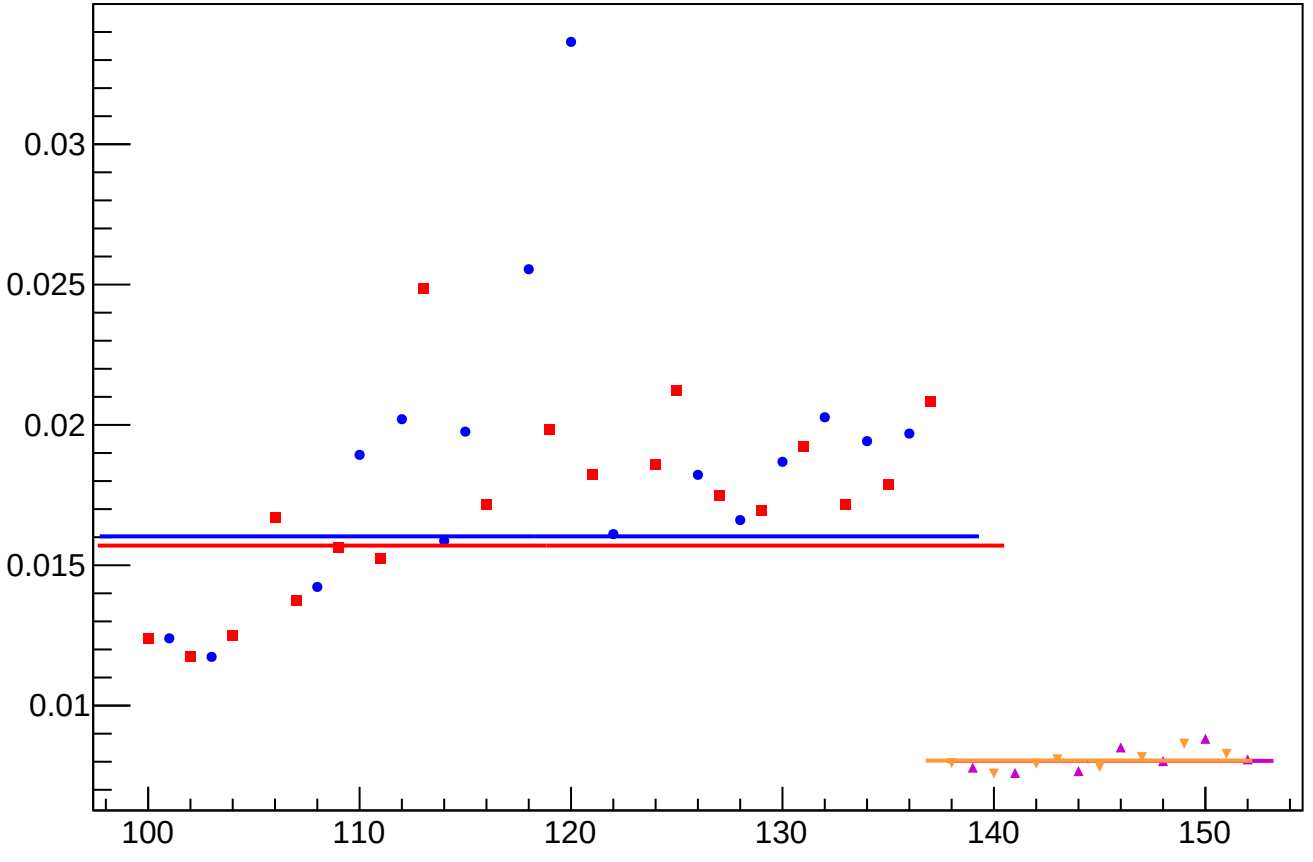
Left In: -3.072+/-0.000 χ^2/NDF:643434726.4/6

+ sign -2.875+/-0.000 χ^2/NDF: 186524346099.0/23

All: -2.821+/-0.000 χ^2/NDF: 393731963173.9

- sign -2.768+/-0.000 χ^2/NDF: 206549295606.0/25

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:17291.8/7

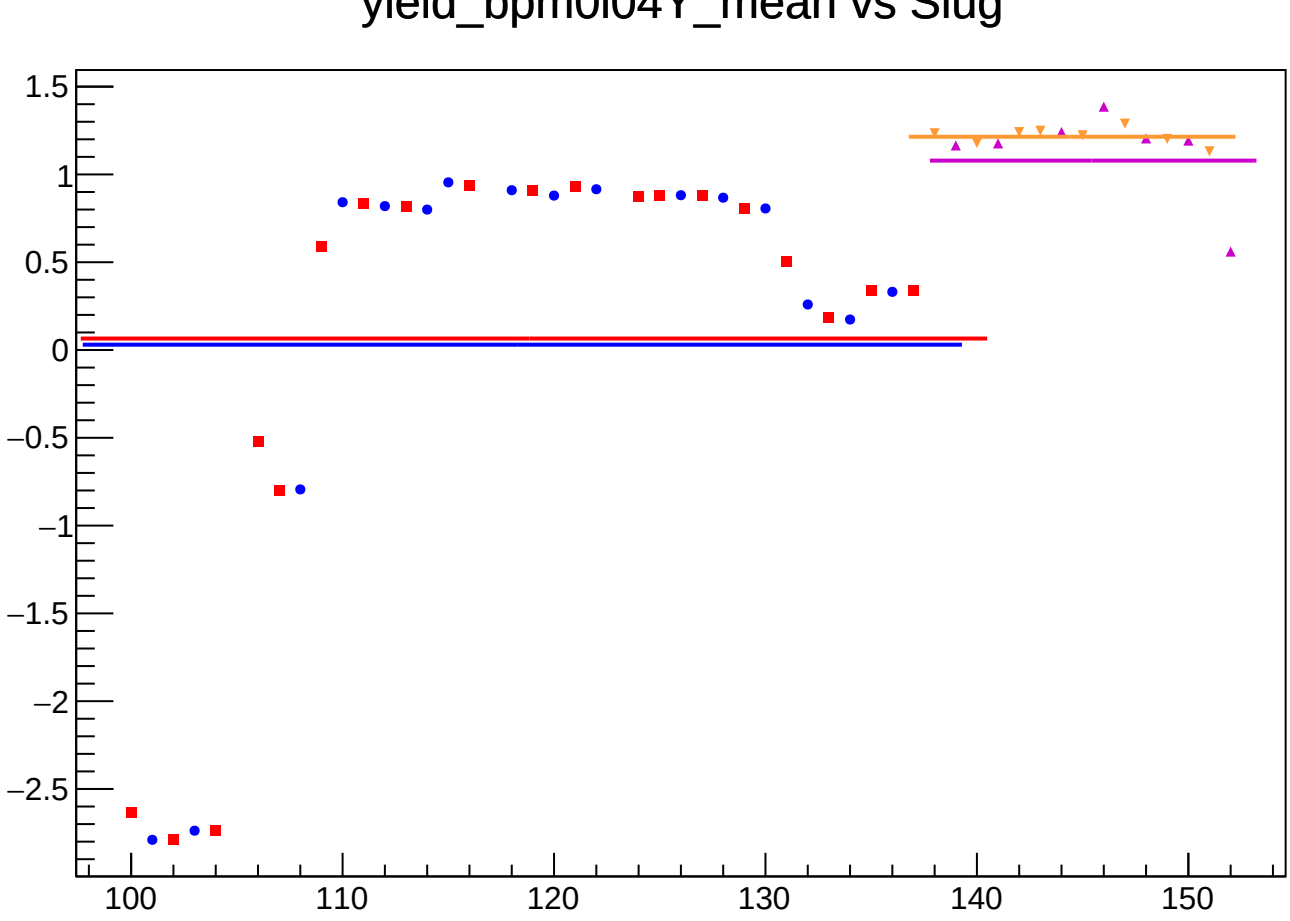
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:30212.2/6

+ sign 0.010+/-0.000 χ^2/NDF: 3071994.0/23

All: 0.010+/-0.000 χ^2/NDF: 5975284.4/49

- sign 0.010+/-0.000 χ^2/NDF: 2902063.5/25



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.215+/-0.000 χ^2/NDF:188299195.8/7

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

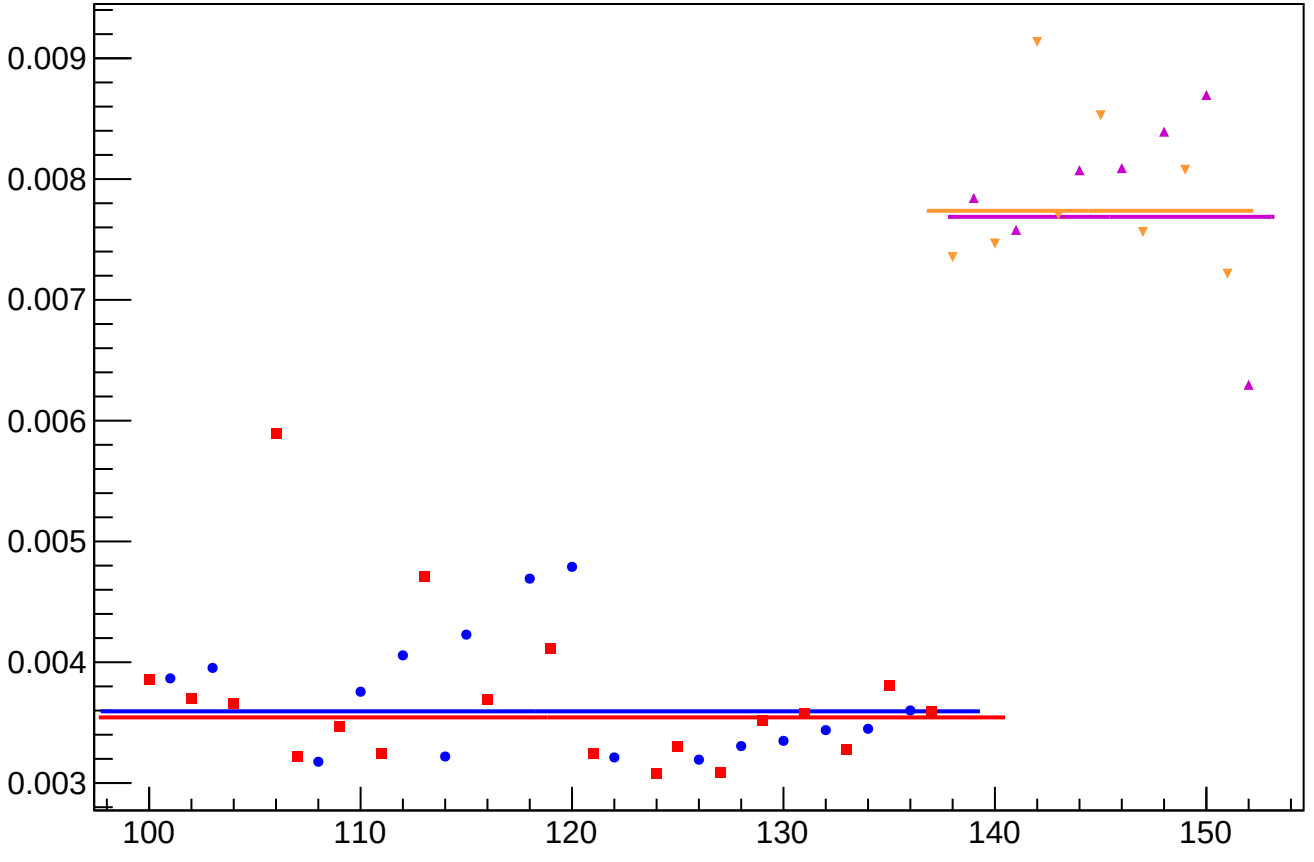
Left In: 1.079+/-0.000 χ^2/NDF:6727340053.7/6

+ sign 0.189+/-0.000 χ^2/NDF: 949641806113.6/23

All: 0.192+/-0.000 χ^2/NDF: 1965925826087.

- sign 0.196+/-0.000 χ^2/NDF: 1016267869865.1/25

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:42847.7/7

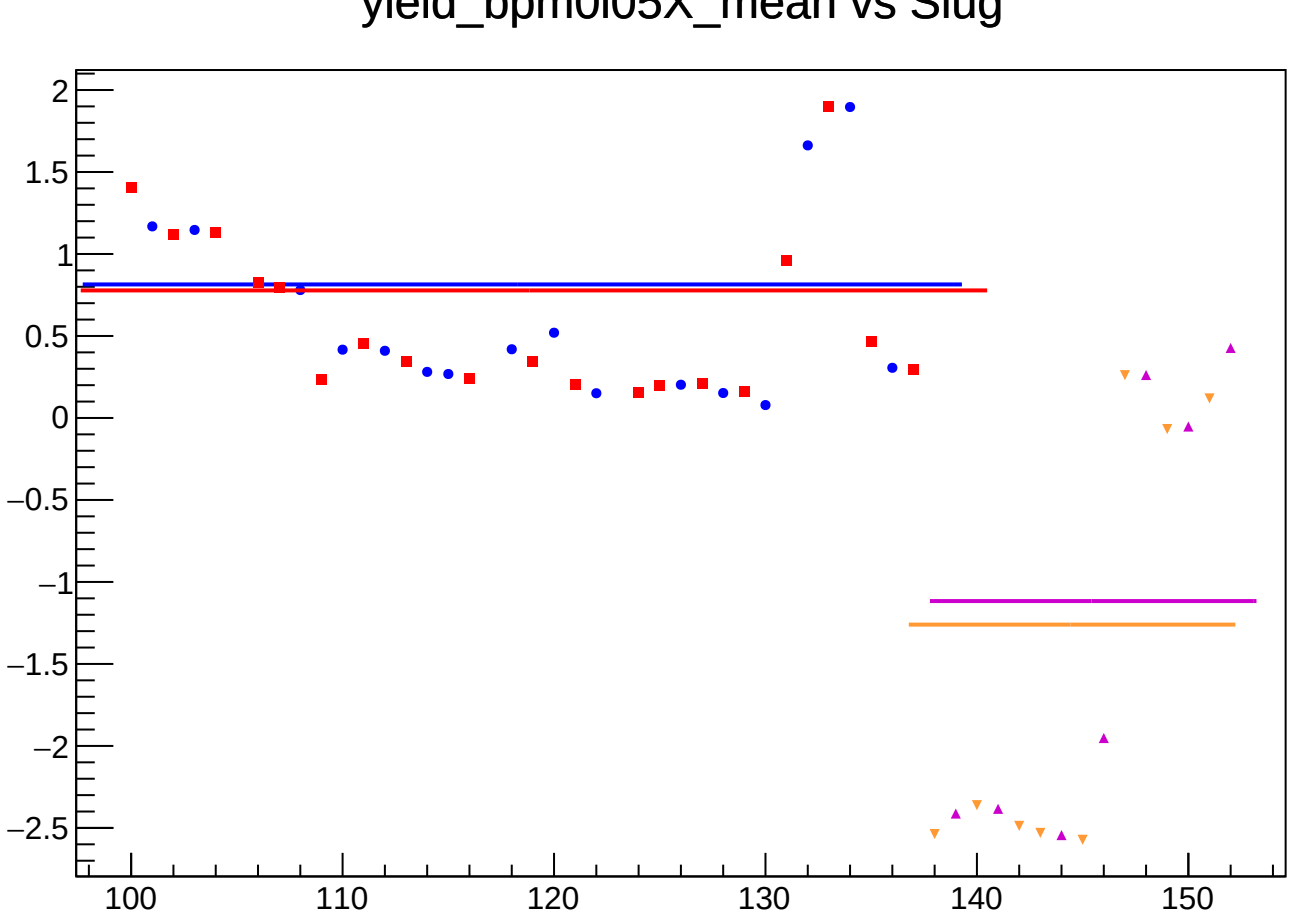
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:108293.6/6

+ sign 0.004+/-0.000 χ^2/NDF: 2616918.6/23

All: 0.004+/-0.000 χ^2/NDF: 5429795.4/49

- sign 0.004+/-0.000 χ^2/NDF: 2809772.0/25



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -1.260+/-0.000 χ^2/NDF:186163090718.9/7

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

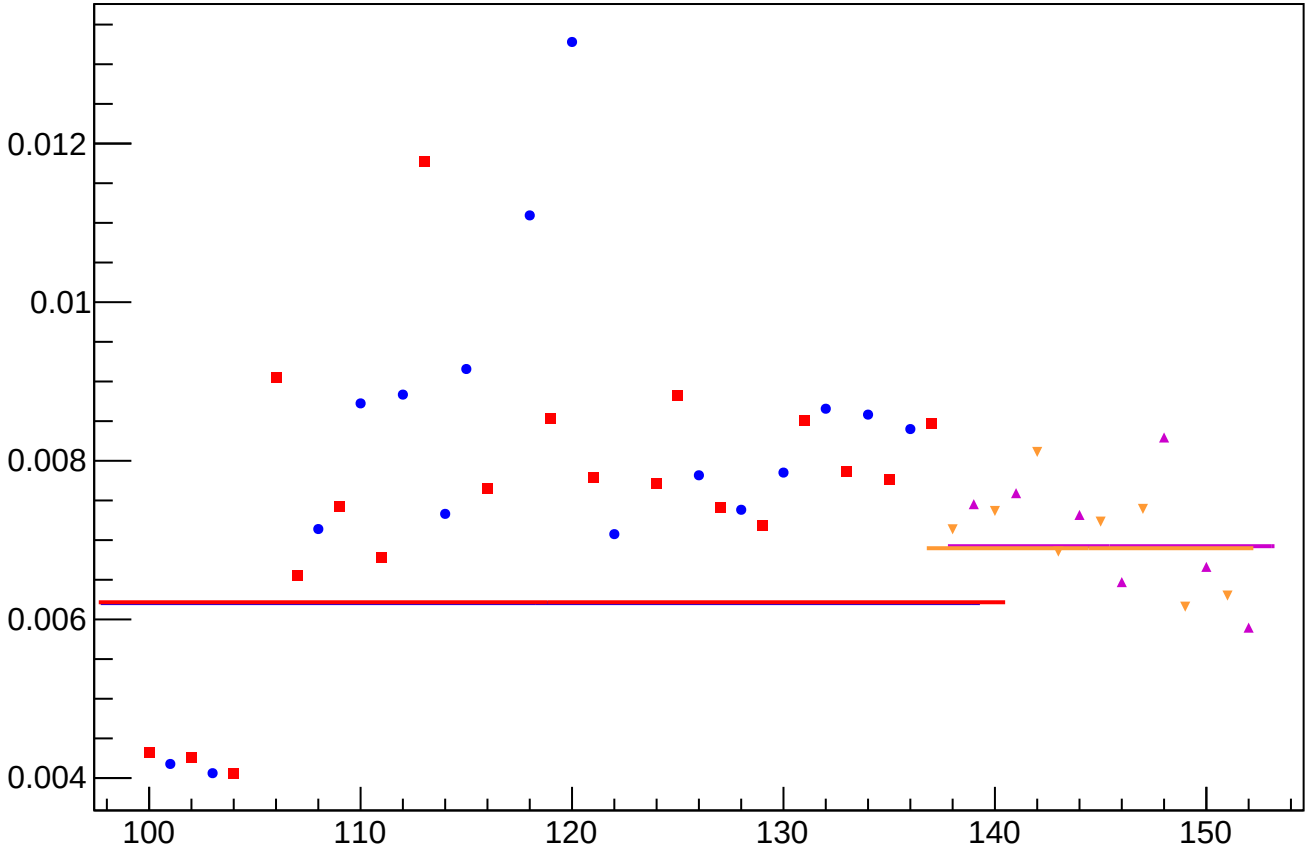
Left In: -1.117+/-0.000 χ^2/NDF:179926725270.2/6

+ sign -0.086+/-0.000 χ^2/NDF: 491227476454.8/23

All: -0.047+/-0.000 χ^2/NDF: 938485474488.5

- sign -0.010+/-0.000 χ^2/NDF: 446493754635.1/25

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:68611.3/7

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

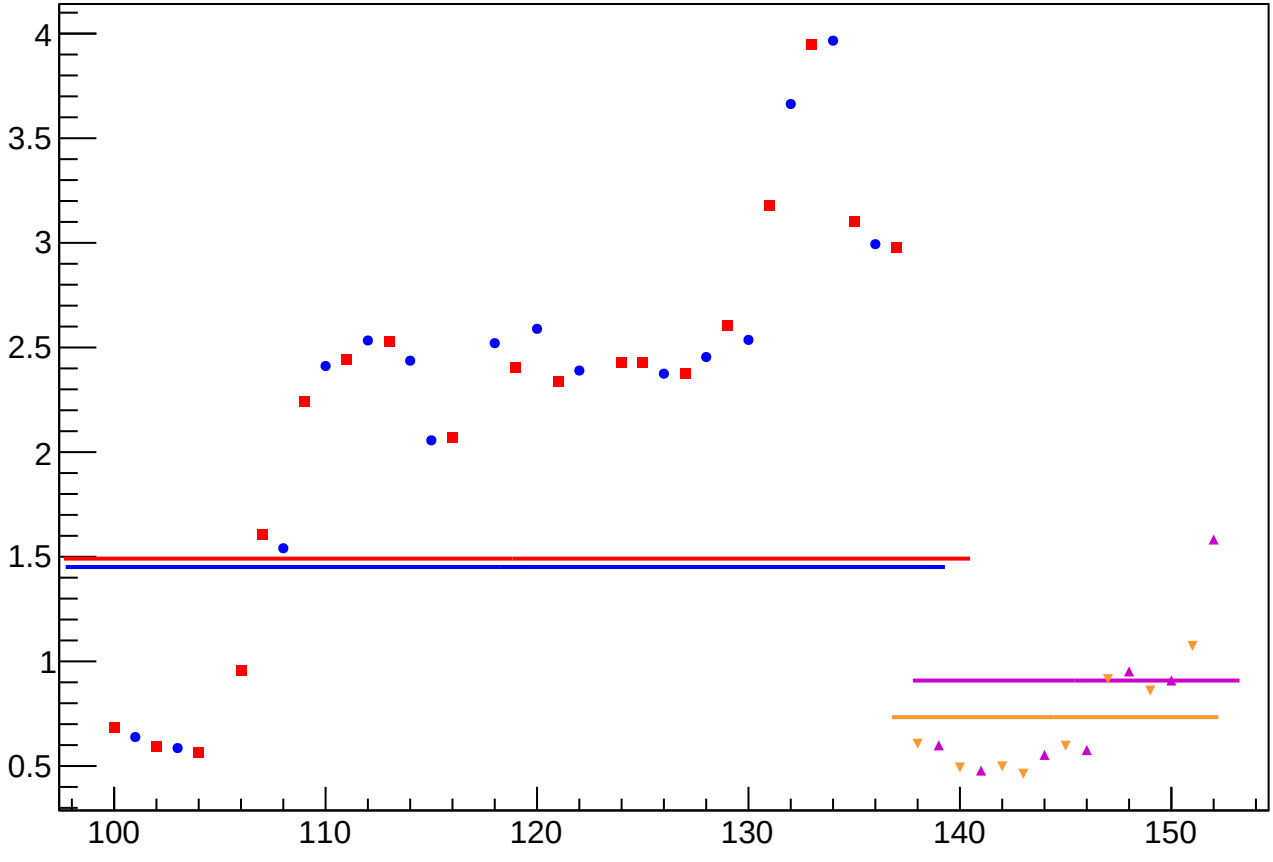
Left In: 0.007+/-0.000 χ^2/NDF:122730.8/6

+ sign 0.007+/-0.000 χ^2/NDF: 1552457.4/23

All: 0.007+/-0.000 χ^2/NDF: 2900943.1/49

- sign 0.007+/-0.000 χ^2/NDF: 1348481.6/25

yield_bpm0l05Y_mean vs Slug



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.734+/-0.000 χ^2/NDF:5708413397.4/7

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

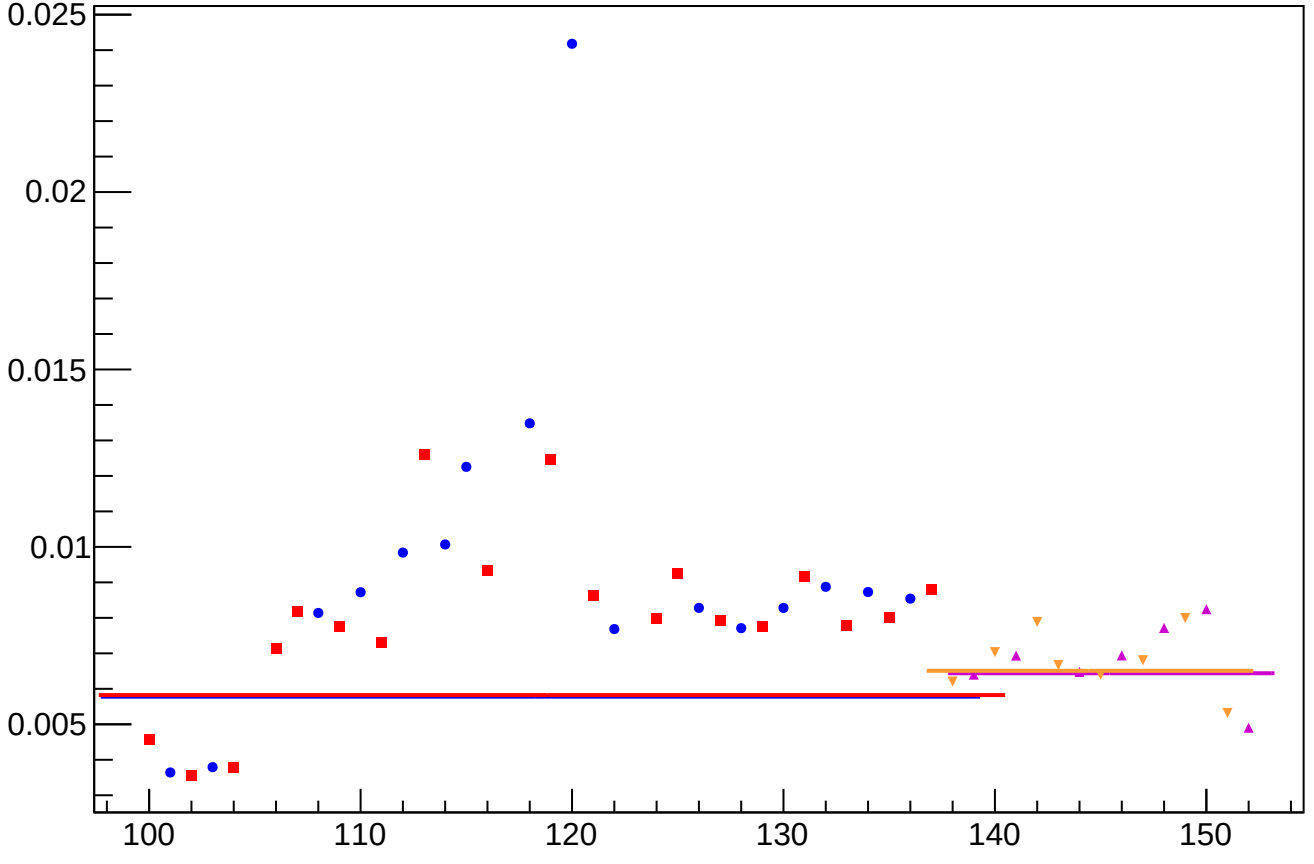
Left In: 0.908+/-0.000 χ^2/NDF:21018876072.7/6

+ sign 1.154+/-0.000 χ^2/NDF: 207235070925.2/23

All: 1.207+/-0.000 χ^2/NDF: 438666841941.7

- sign 1.256+/-0.000 χ^2/NDF: 230063280853.9/25

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:140526.9/7

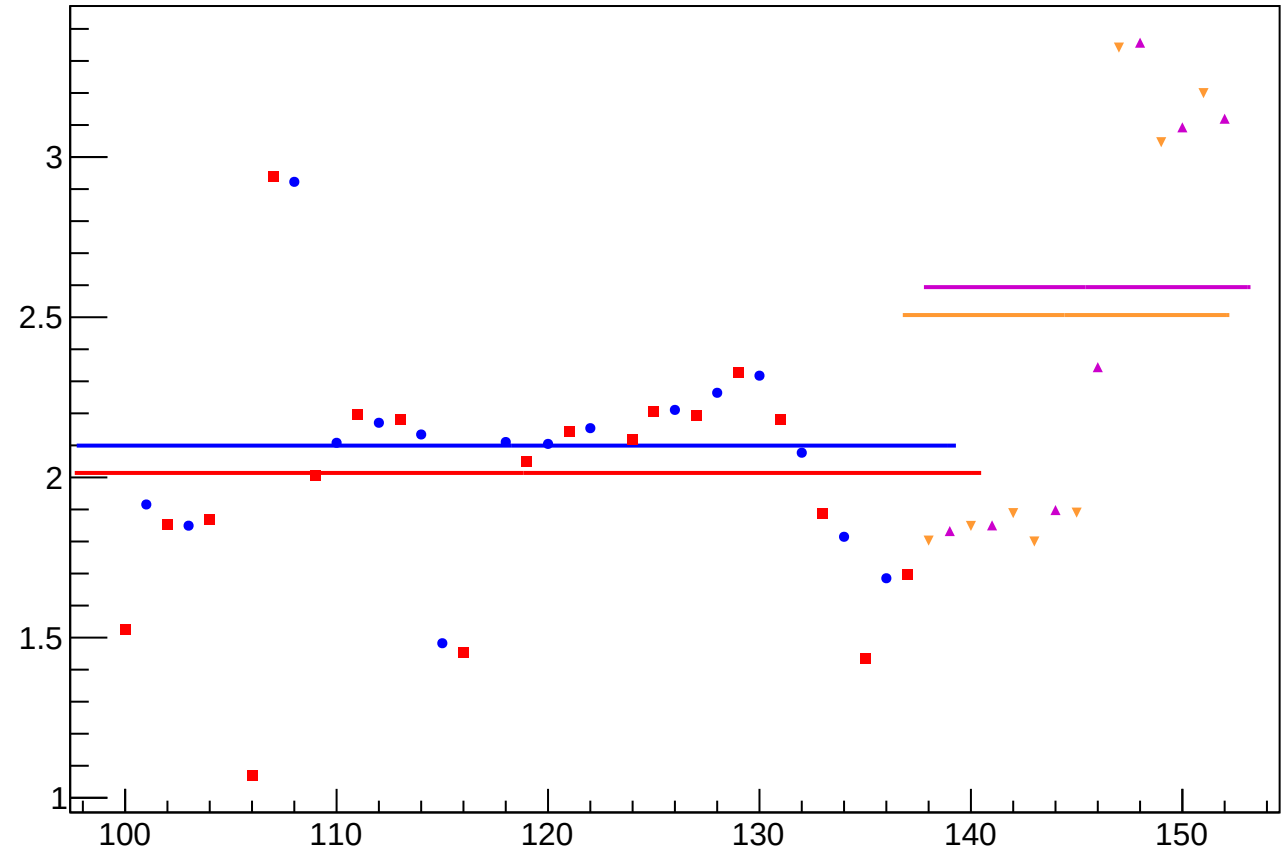
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:255436.5/6

+ sign 0.006+/-0.000 χ^2/NDF: 2419948.2/23

All: 0.006+/-0.000 χ^2/NDF: 4680376.1/49

- sign 0.006+/-0.000 χ^2/NDF: 2260404.1/25



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.507+/-0.000 χ^2/NDF:38225478327.7/7

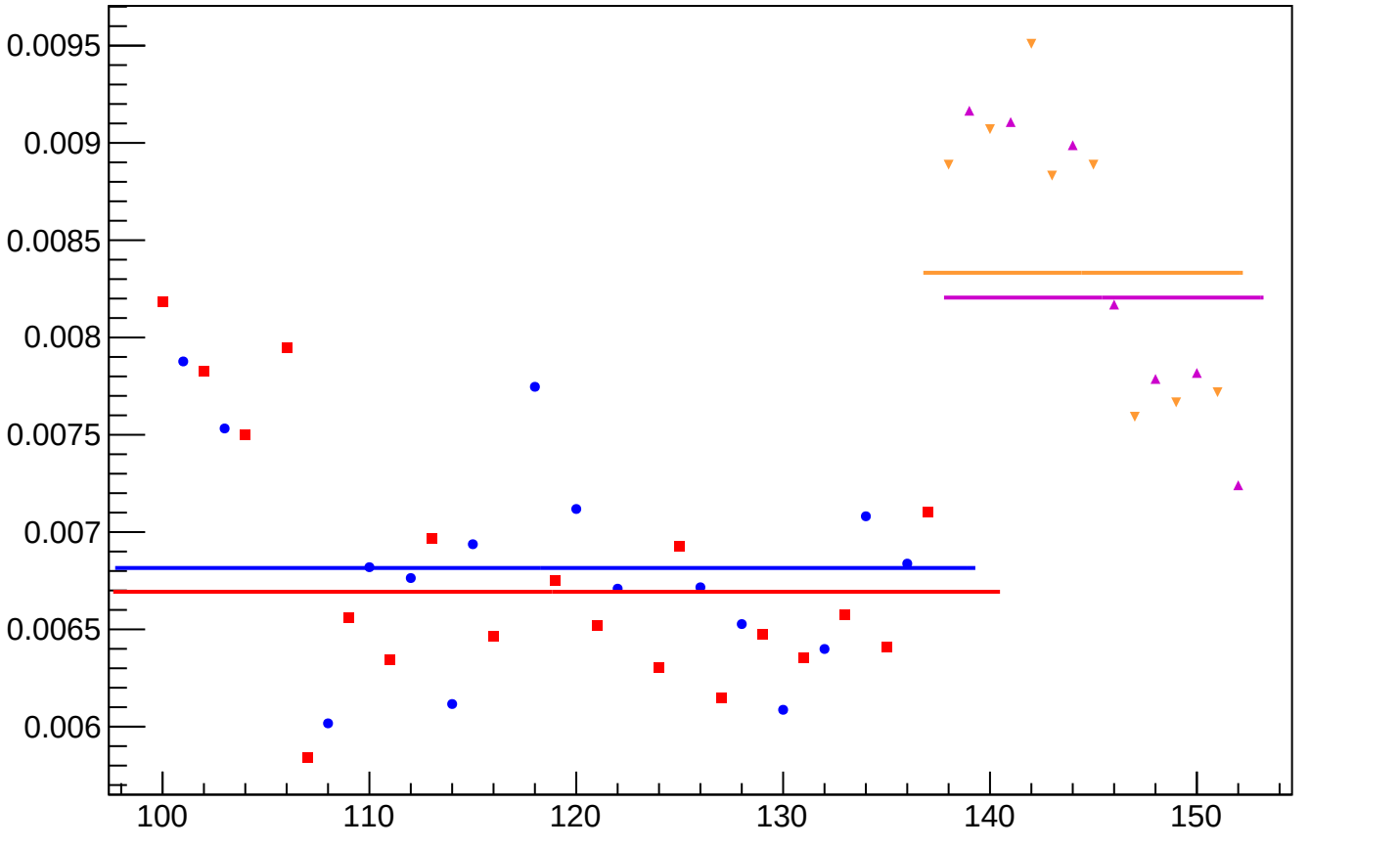
Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.594+/-0.000 χ^2/NDF:32251731077.8/6

+ sign 2.245+/-0.000 χ^2/NDF: 60890046310.9/23

All: 2.230+/-0.000 χ^2/NDF: 131514290893.9

- sign 2.216+/-0.000 χ^2/NDF: 70521833922.6/25



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:75279.6/7

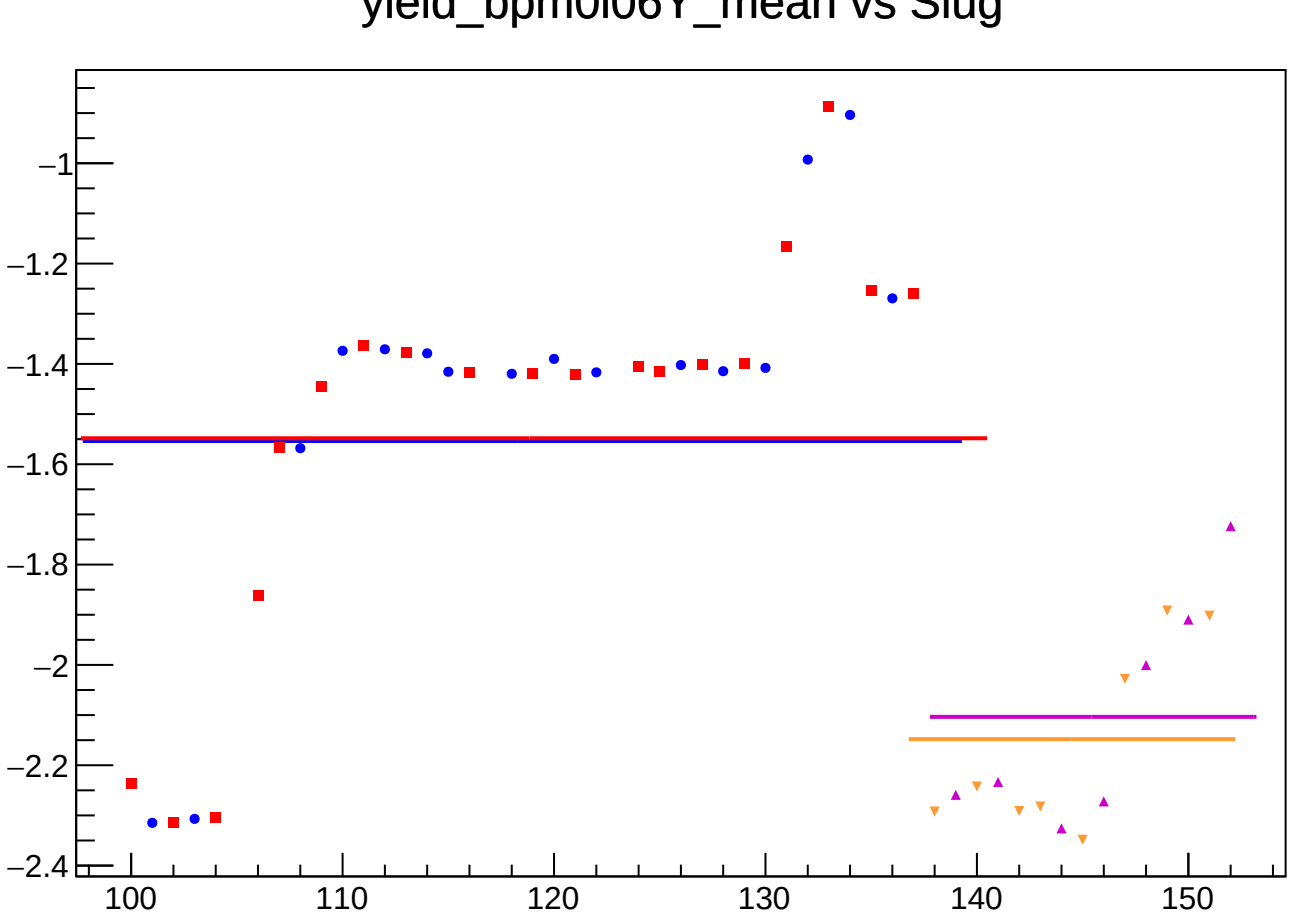
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:84277.7/6

+ sign 0.007+/-0.000 χ^2/NDF: 404203.7/23

All: 0.007+/-0.000 χ^2/NDF: 834429.8/49

- sign 0.007+/-0.000 χ^2/NDF: 425629.4/25



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.148+/-0.000 χ^2/NDF:16721699371.7/7

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

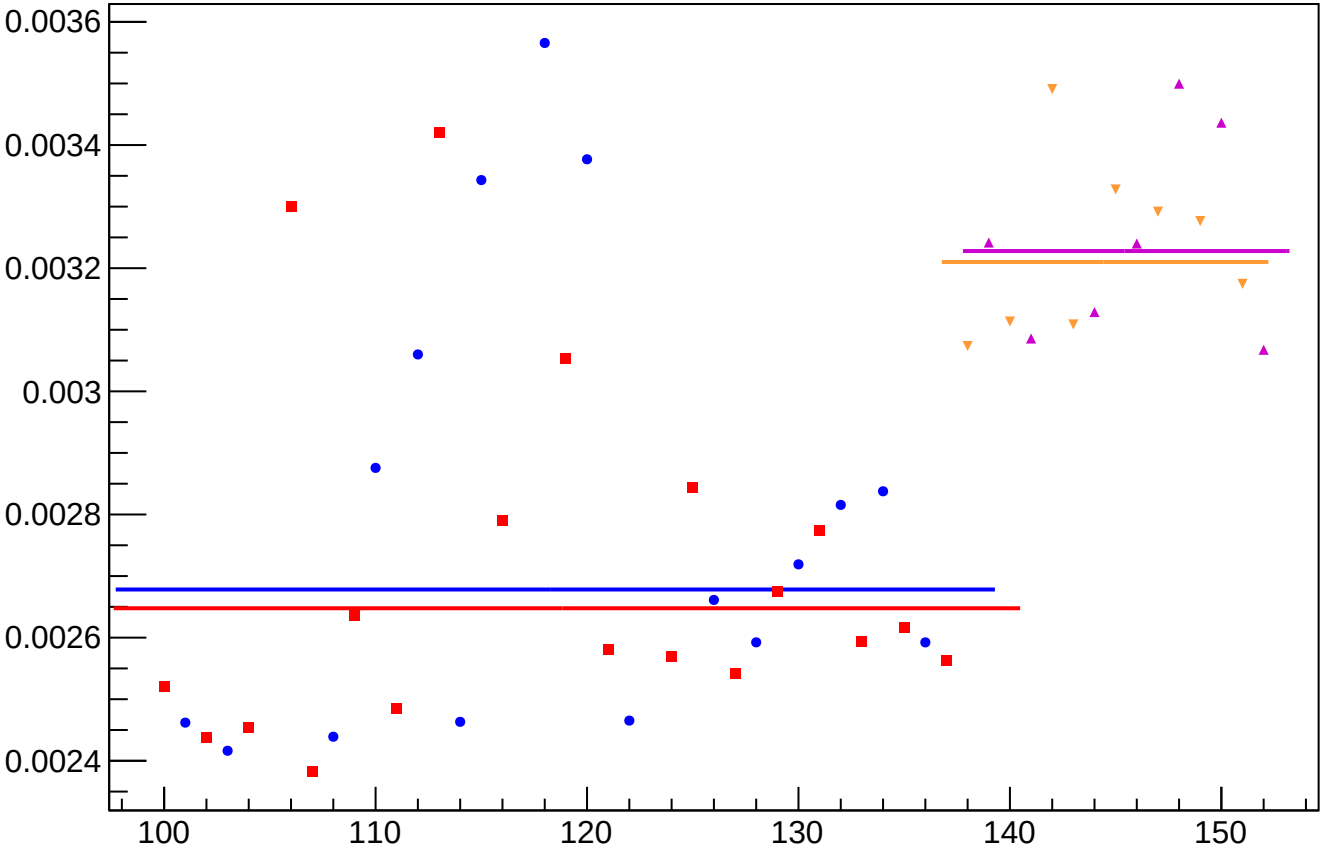
Left In: -2.104+/-0.000 χ^2/NDF:24675305072.8/6

+ sign -1.767+/-0.000 χ^2/NDF: 310680770961.0/23

All: -1.753+/-0.000 χ^2/NDF: 616685588477.

- sign -1.739+/-0.000 χ^2/NDF: 305410144264.5/25

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:14073.9/7

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

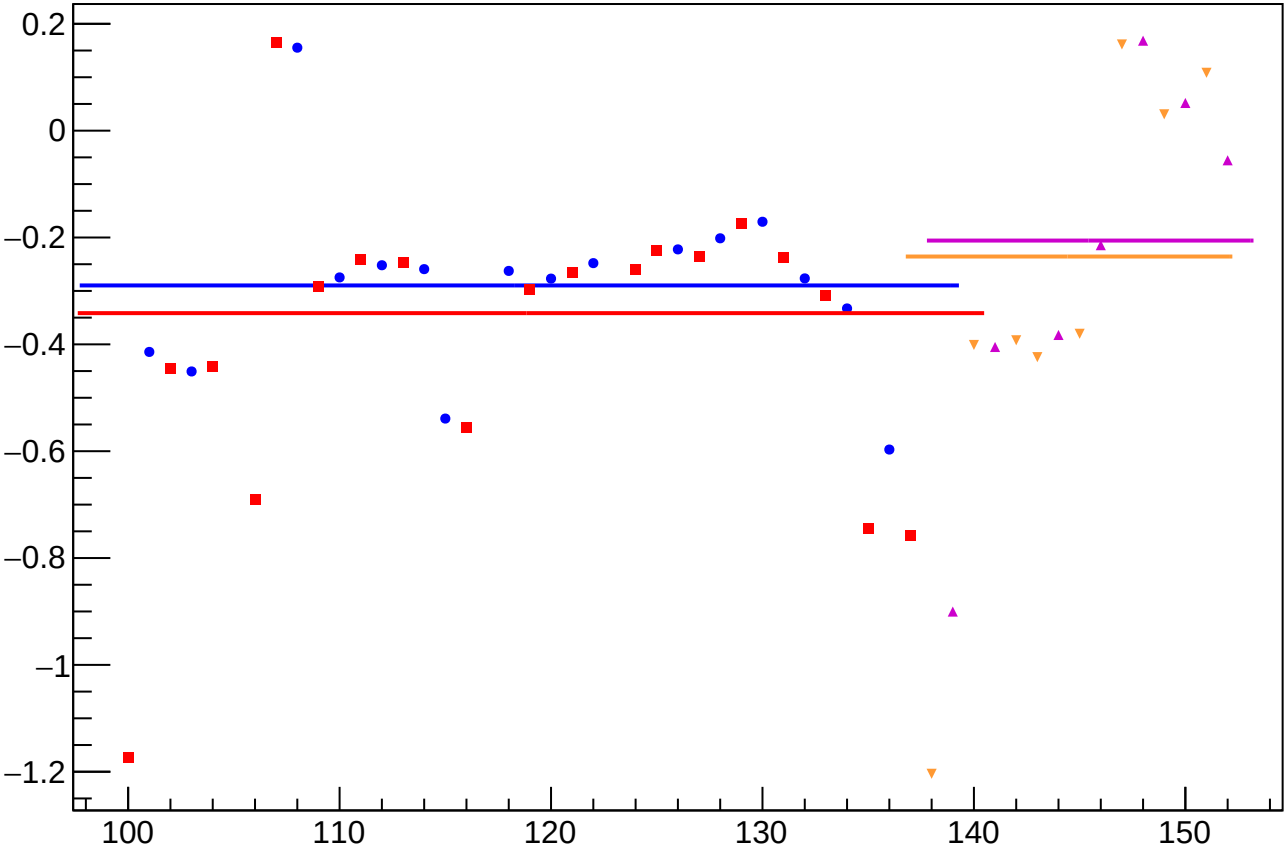
Left In: 0.003+/-0.000 χ^2/NDF:24611.9/6

+ sign 0.003+/-0.000 χ^2/NDF: 362220.8/23

All: 0.003+/-0.000 χ^2/NDF: 735079.0/49

- sign 0.003+/-0.000 χ^2/NDF: 372113.9/25

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.236+/-0.000 χ^2/NDF:5031722916.7/7

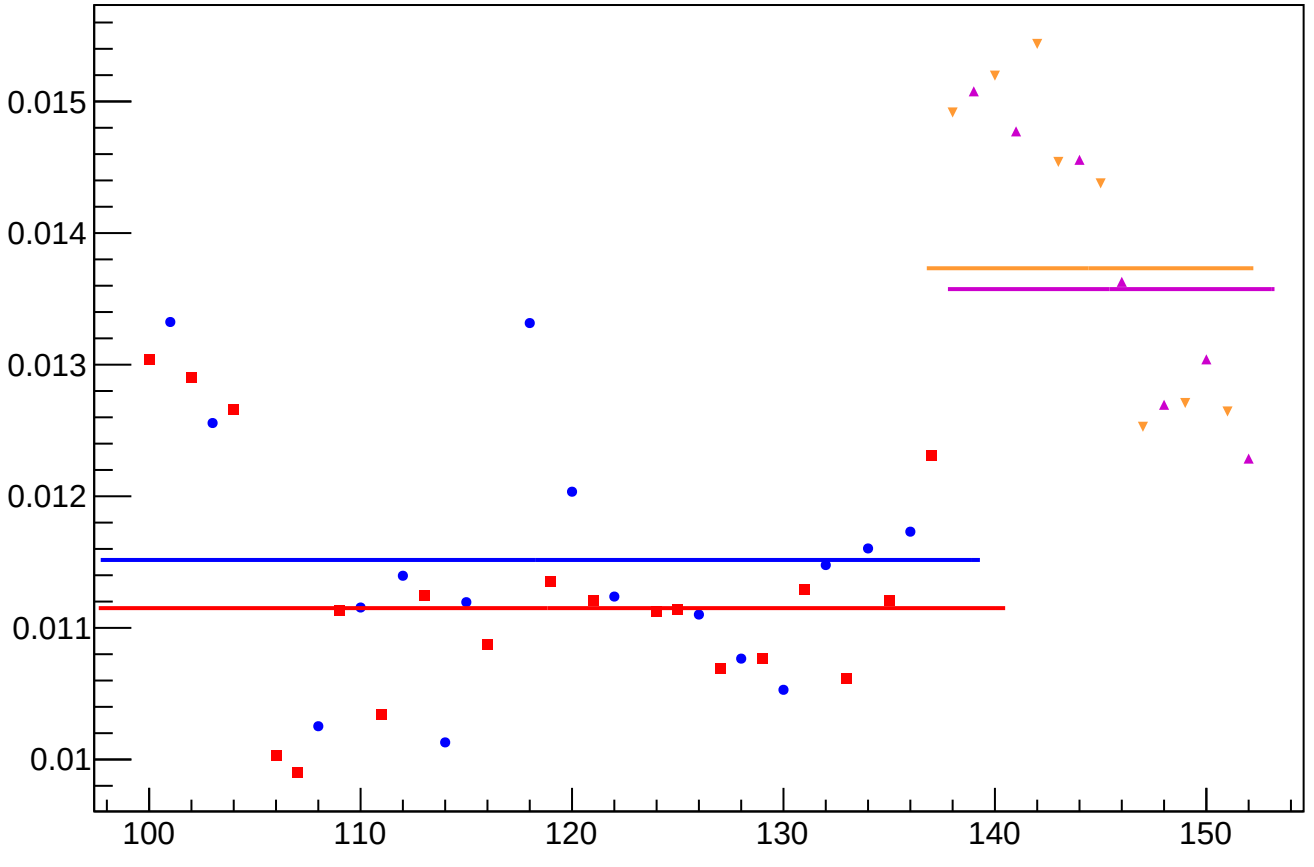
Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.206+/-0.000 χ^2/NDF:3099989735.0/6

+ sign -0.270+/-0.000 χ^2/NDF: 6733020023.2/23

All: -0.283+/-0.000 χ^2/NDF: 12841064677.0/

- sign -0.295+/-0.000 χ^2/NDF: 6081842589.9/25



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.014+/-0.000 χ^2/NDF:77310.9/7

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

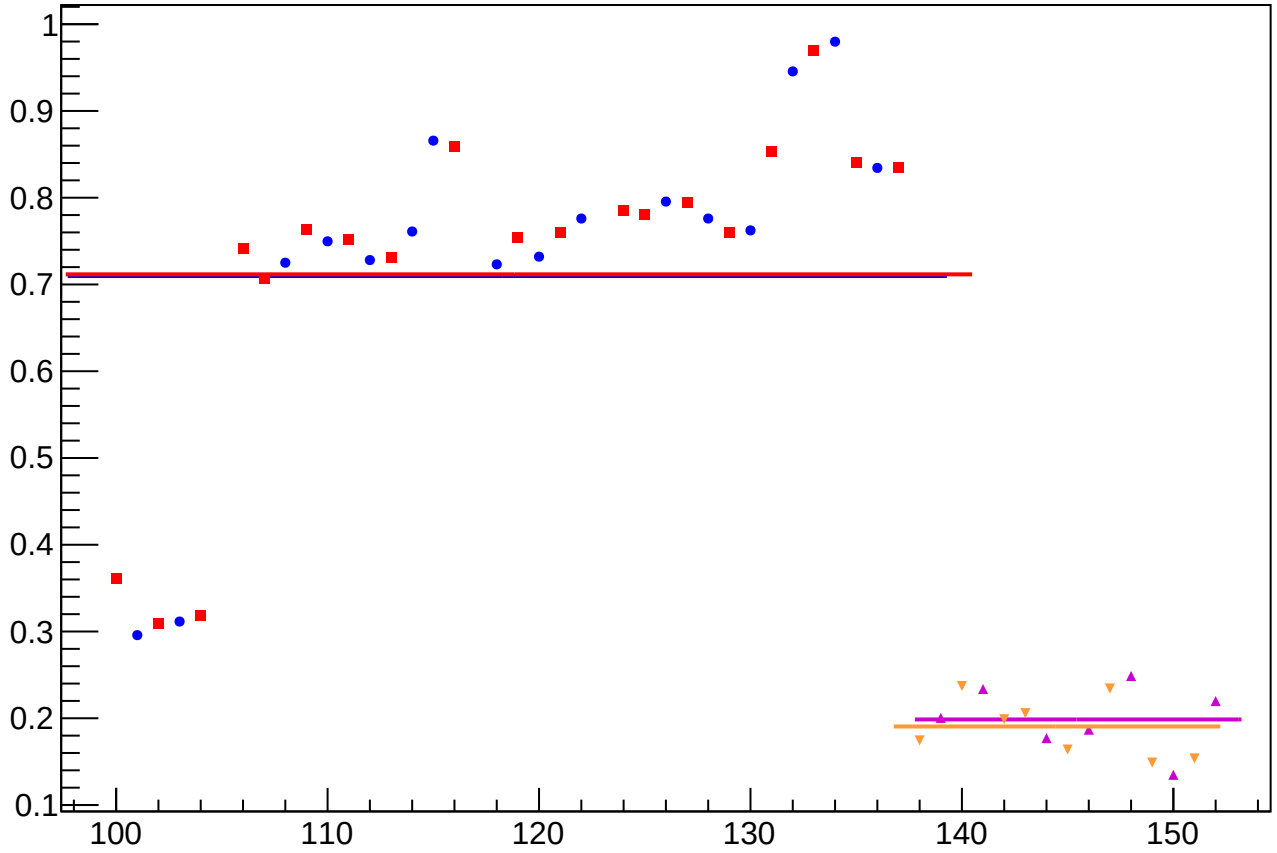
Left In: 0.014+/-0.000 χ^2/NDF:62582.6/6

+ sign 0.012+/-0.000 χ^2/NDF: 349884.2/23

All: 0.012+/-0.000 χ^2/NDF: 730349.2/49

- sign 0.012+/-0.000 χ^2/NDF: 370442.9/25

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.191+/-0.000 χ^2/NDF:1512795148.0/7

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

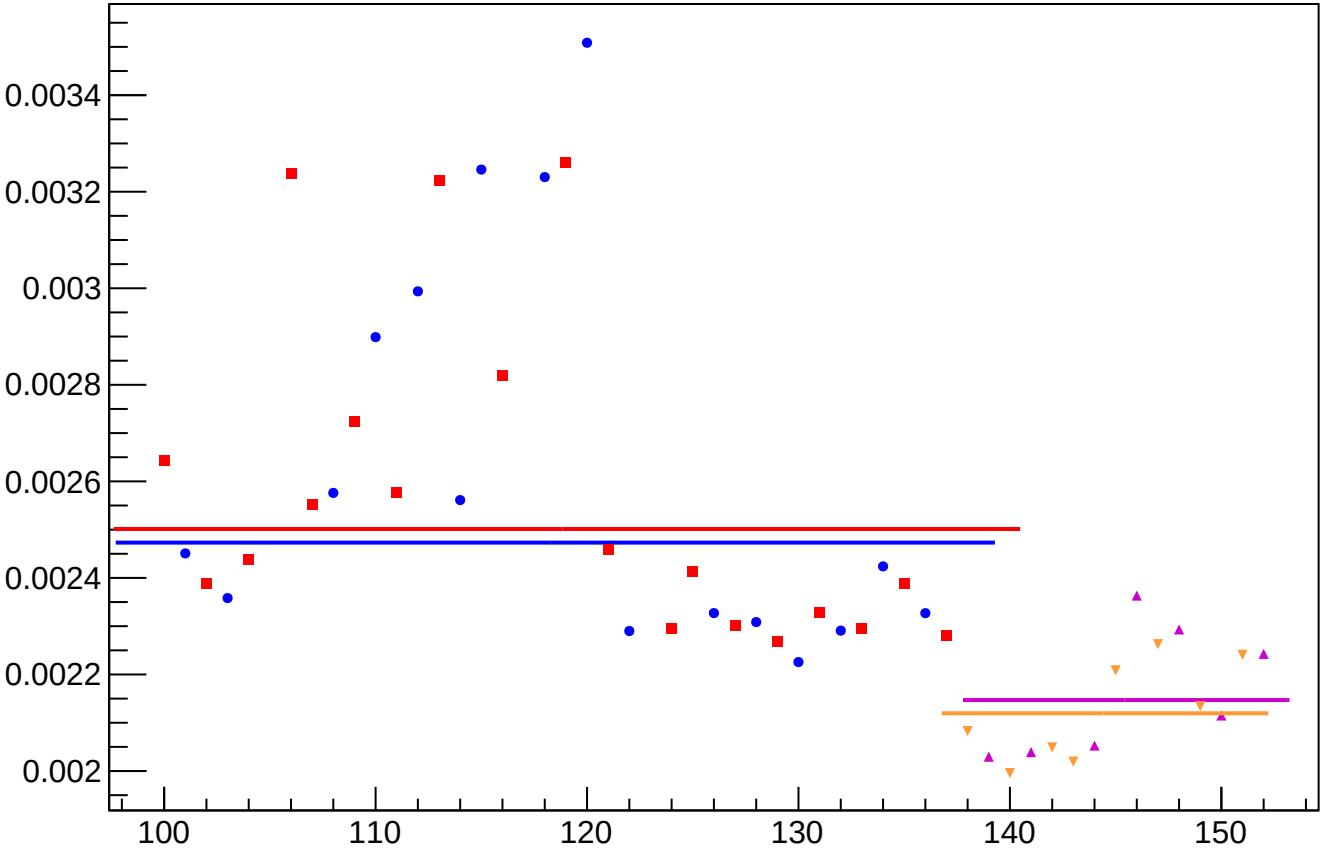
Left In: 0.199+/-0.000 χ^2/NDF:1657936458.8/6

+ sign 0.425+/-0.000 χ^2/NDF: 215429848066.2/23

All: 0.430+/-0.000 χ^2/NDF: 420523336383.5

- sign 0.436+/-0.000 χ^2/NDF: 204940554310.7/25

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:25915.1/7

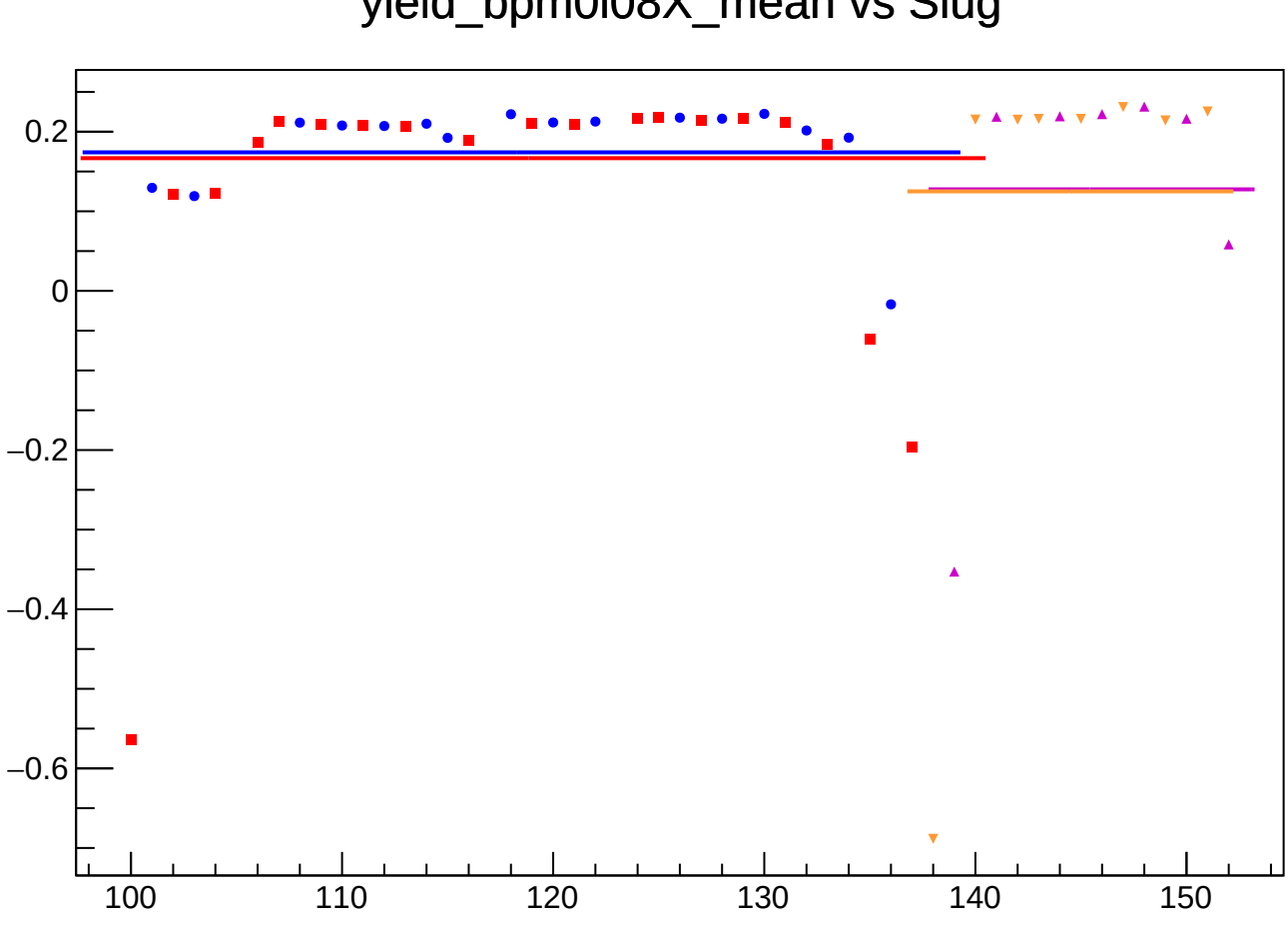
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:39248.6/6

+ sign 0.002+/-0.000 χ^2/NDF: 387006.9/23

All: 0.002+/-0.000 χ^2/NDF: 757952.7/49

- sign 0.002+/-0.000 χ^2/NDF: 368459.8/25



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.125+/-0.000 χ^2/NDF:2878619373.6/7

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

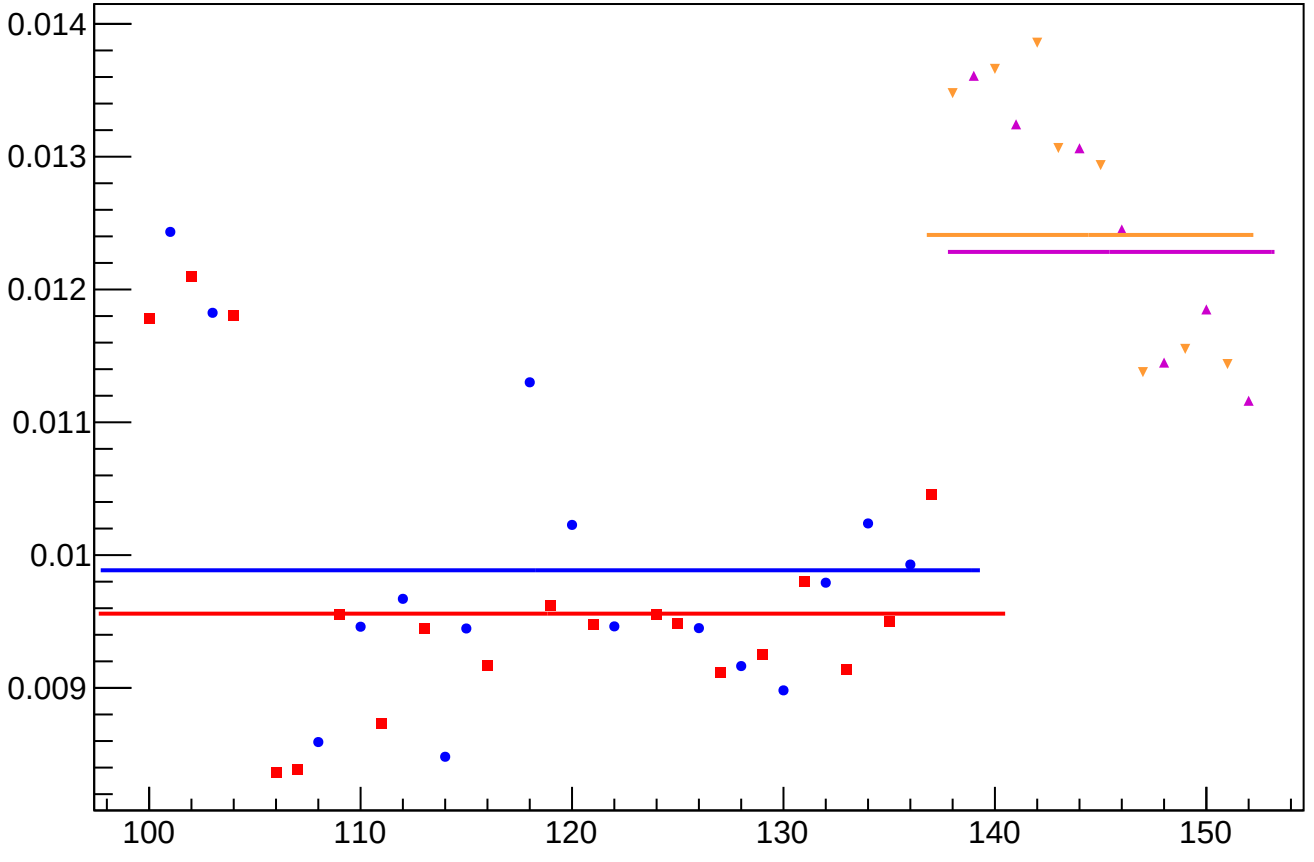
Left In: 0.128+/-0.000 χ^2/NDF:1271111638.3/6

+ sign 0.157+/-0.000 χ^2/NDF: 3338985211.2/23

All: 0.155+/-0.000 χ^2/NDF: 5543906408.4/49

- sign 0.154+/-0.000 χ^2/NDF: 2204409814.8/25

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:70247.3/7

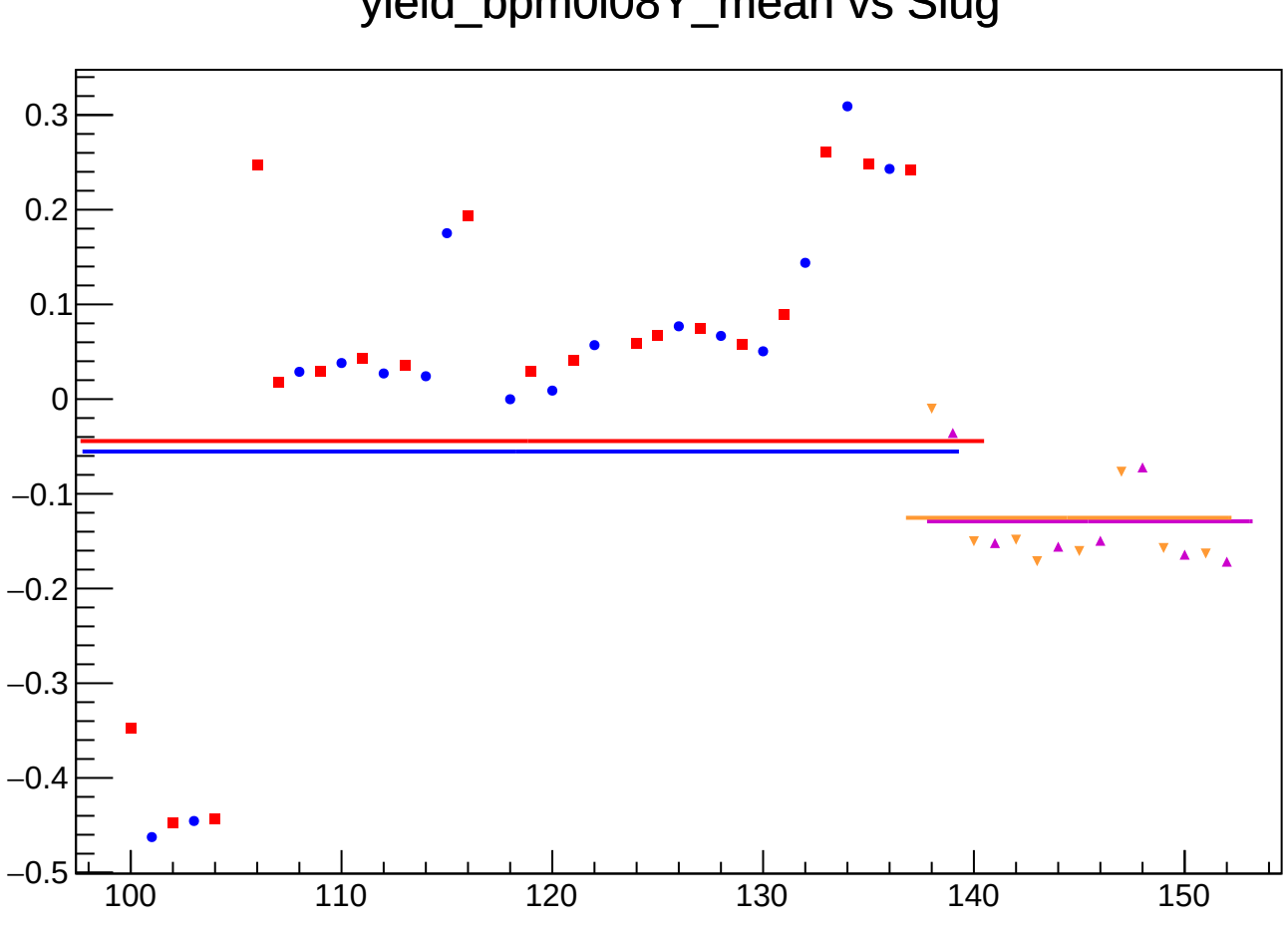
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

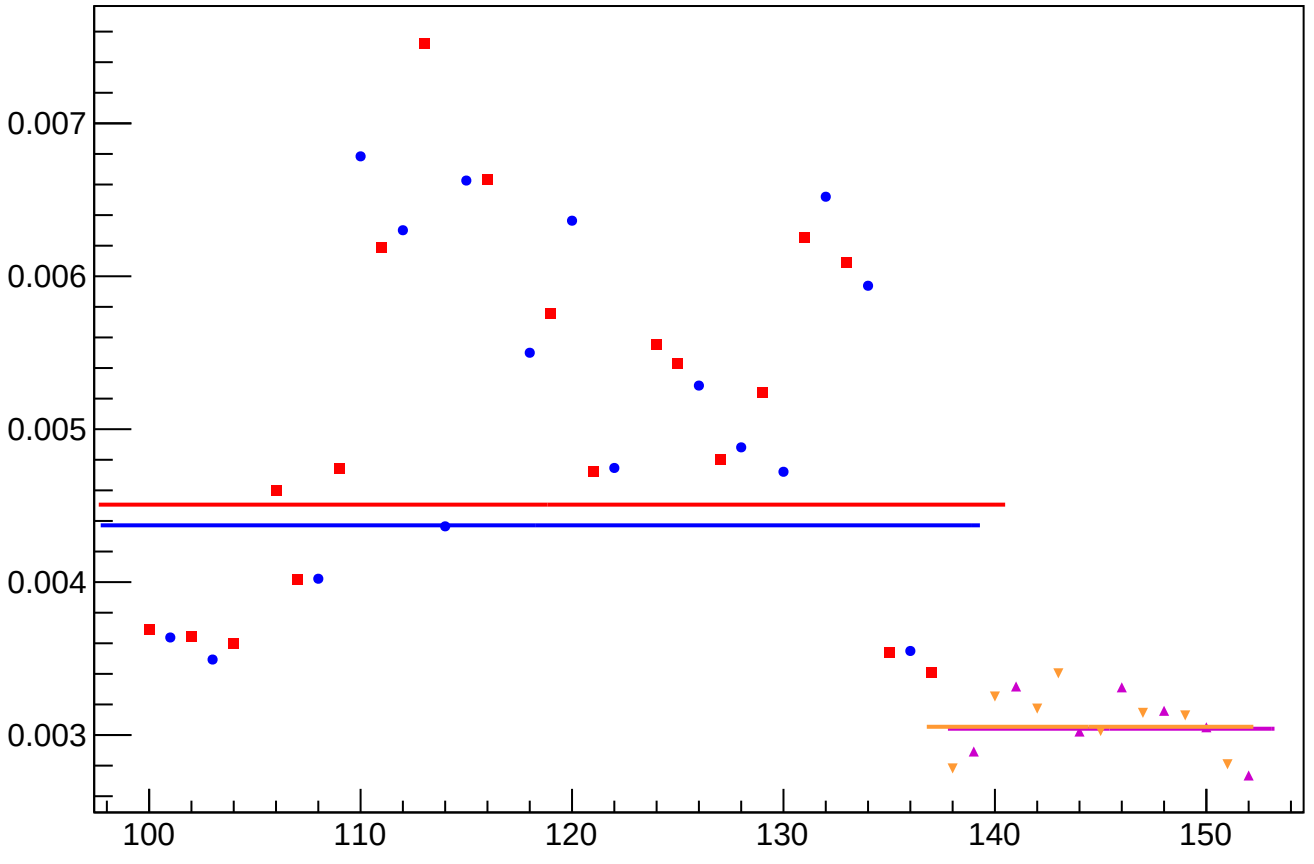
Left In: 0.012+/-0.000 χ^2/NDF:57223.0/6

+ sign 0.011+/-0.000 χ^2/NDF: 529016.4/23

All: 0.011+/-0.000 χ^2/NDF: 1112733.6/49

- sign 0.010+/-0.000 χ^2/NDF: 572326.9/25


yield_bpm0l08Y_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: -0.055+/-0.000 χ²/NDF: 24081939190.6/15
Left Out: -0.125+/-0.000 χ²/NDF:1977465066.9/7
Right Out: -0.044+/-0.000 χ²/NDF: 22136167141.7/18
Left In: -0.129+/-0.000 χ²/NDF:1544950867.5/6
+ sign -0.101+/-0.000 χ²/NDF: 27087404459.5/23
All: -0.101+/-0.000 χ²/NDF: 52263758273.5/
- sign -0.100+/-0.000 χ²/NDF: 25175864335.4/25



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:50535.9/7

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

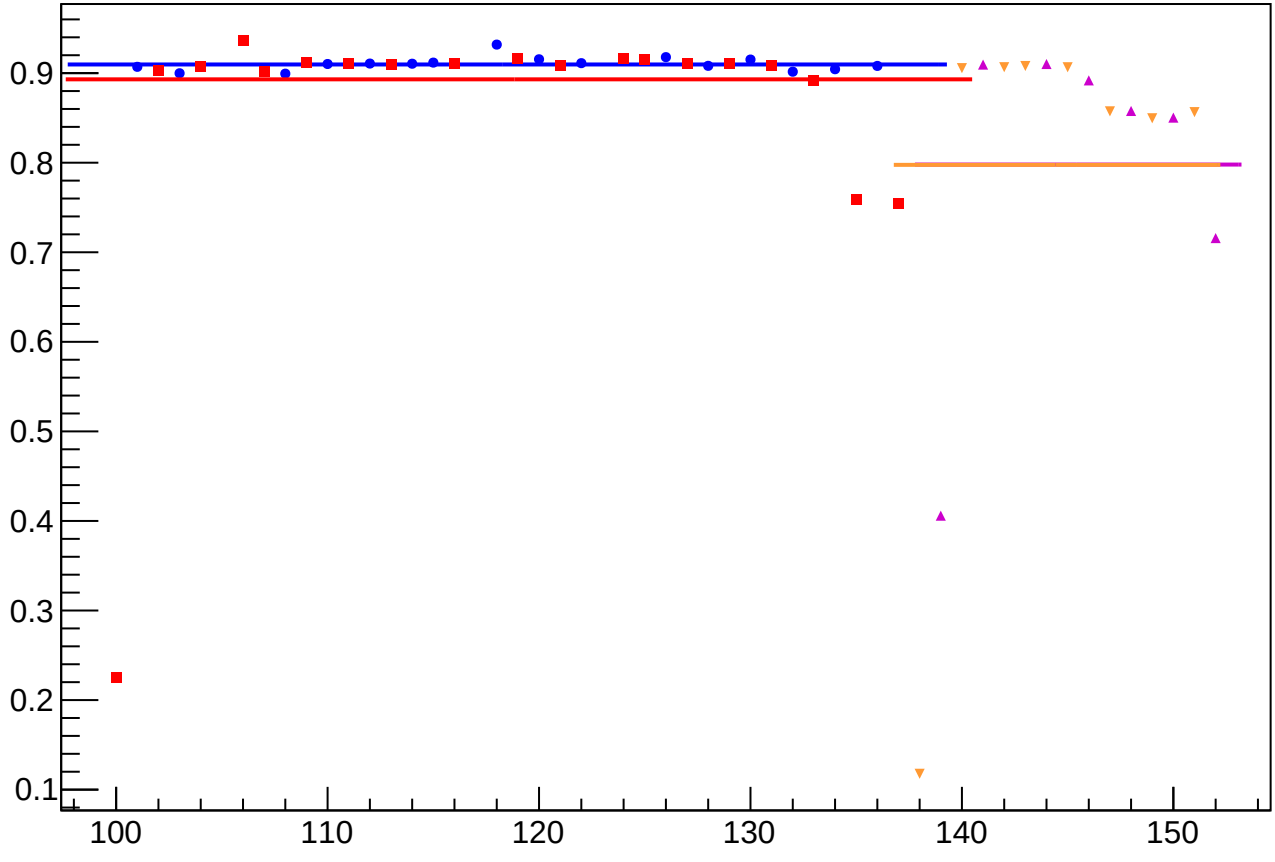
Left In: 0.003+/-0.000 χ^2/NDF:48499.9/6

+ sign 0.004+/-0.000 χ^2/NDF: 1439536.2/23

All: 0.004+/-0.000 χ^2/NDF: 3086595.6/49

- sign 0.004+/-0.000 χ^2/NDF: 1646043.7/25

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.798+/-0.000 χ^2/NDF:2212920834.5/7

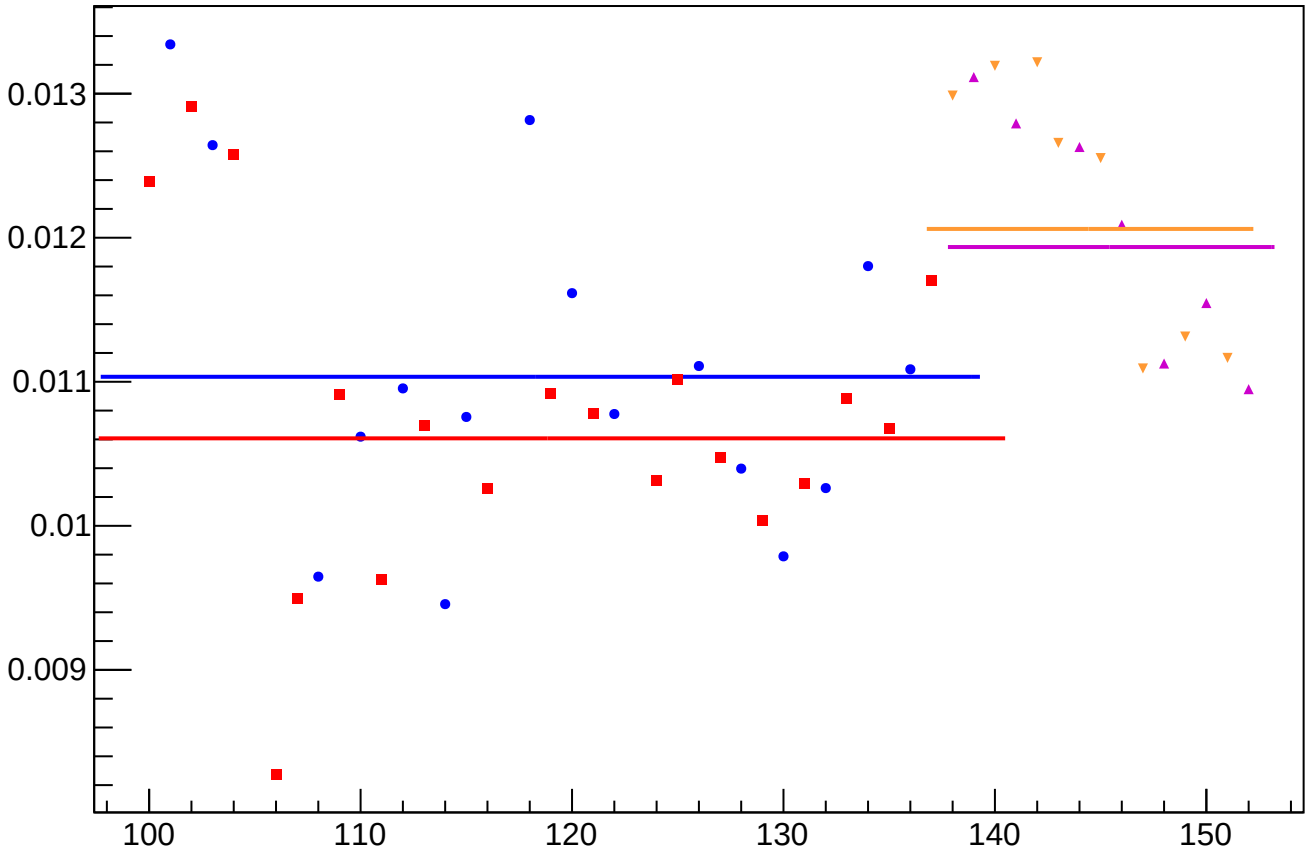
Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.798+/-0.000 χ^2/NDF:990103467.8/6

+ sign 0.863+/-0.000 χ^2/NDF: 2509246313.6/23

All: 0.860+/-0.000 χ^2/NDF: 4054154176.8/49

- sign 0.856+/-0.000 χ^2/NDF: 1542430238.3/25



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:60166.3/7

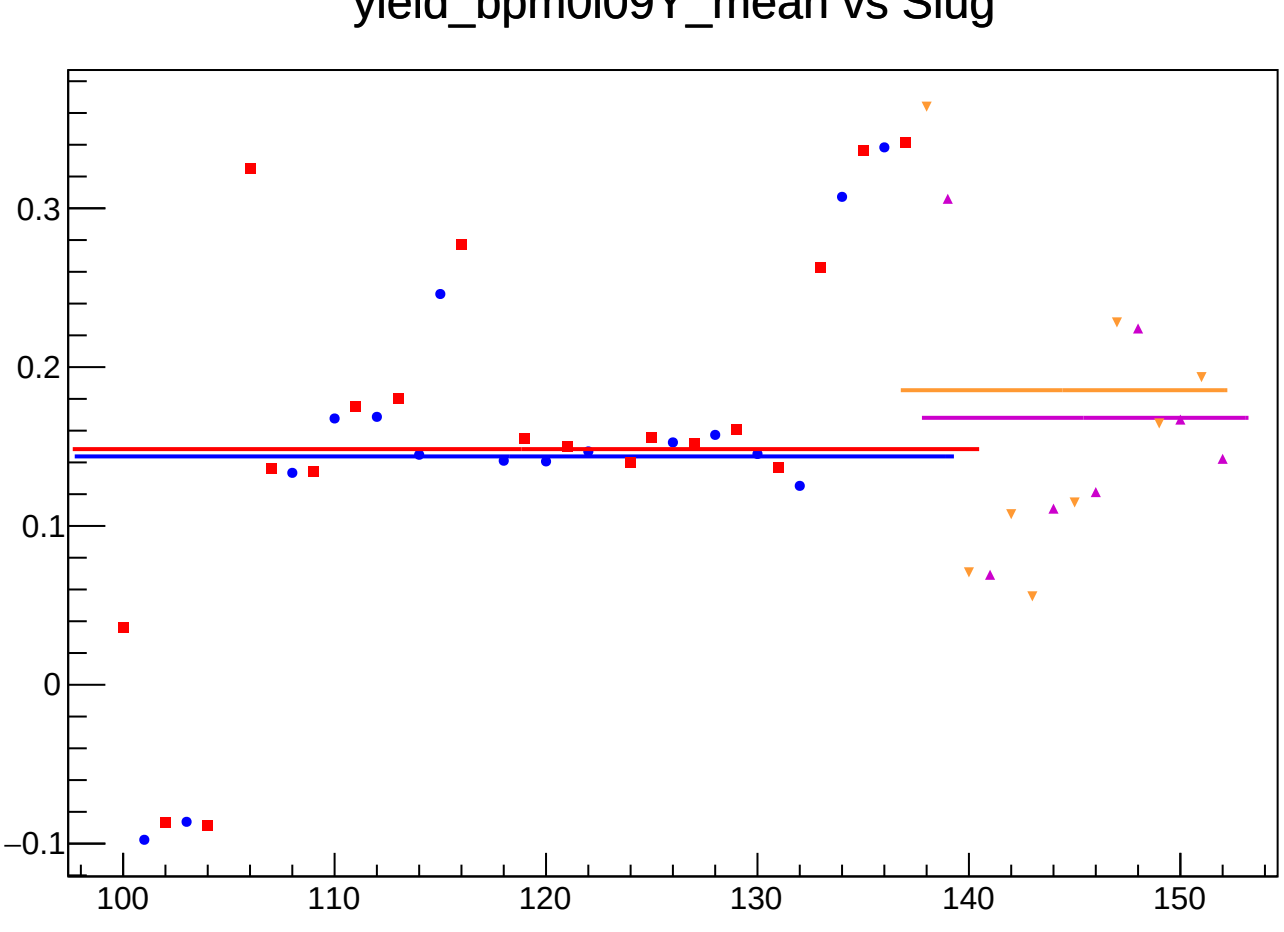
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:49663.5/6

+ sign 0.011+/-0.000 χ^2/NDF: 239696.5/23

All: 0.011+/-0.000 χ^2/NDF: 532167.8/49

- sign 0.011+/-0.000 χ^2/NDF: 281010.6/25



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.185+/-0.000 χ^2/NDF:4098353668.5/7

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

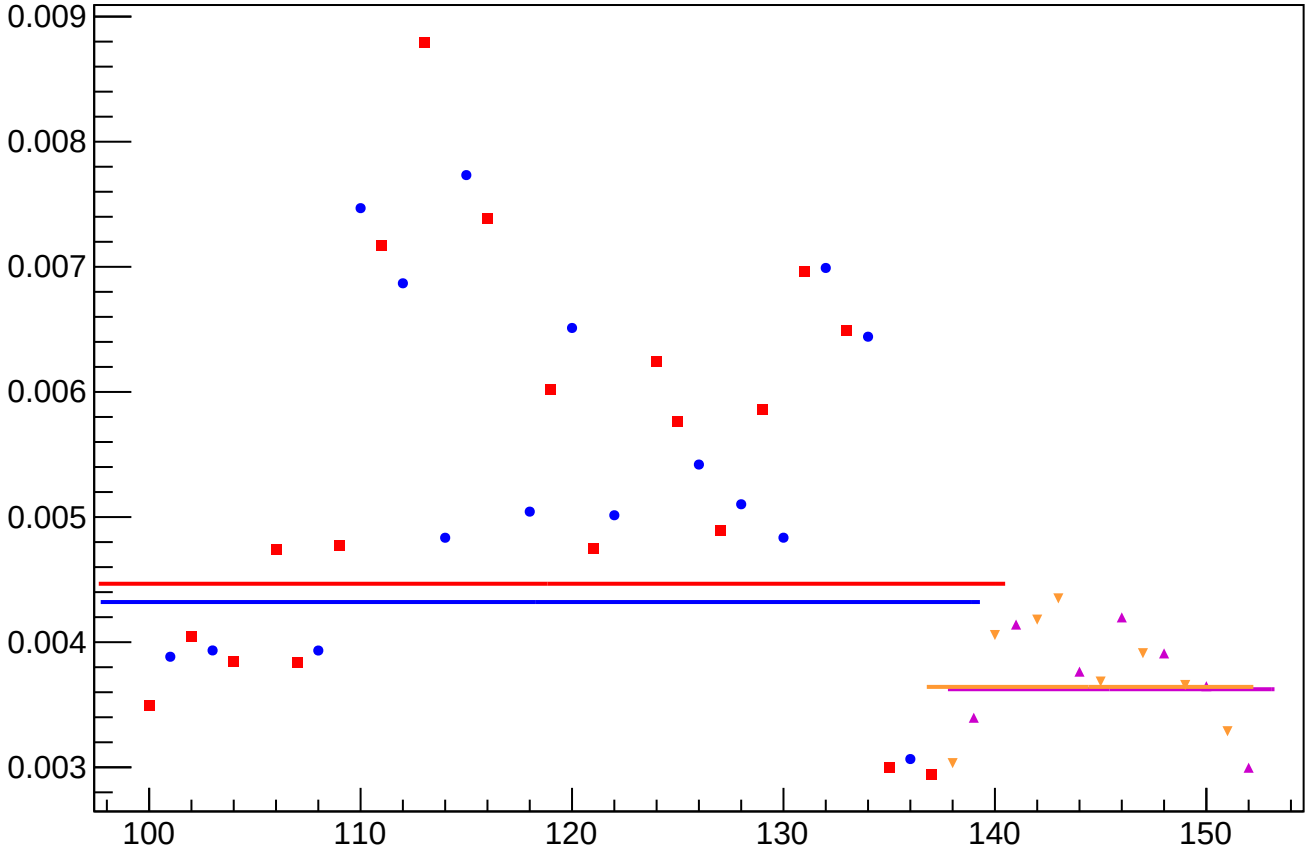
Left In: 0.168+/-0.000 χ^2/NDF:2196816284.0/6

+ sign 0.168+/-0.000 χ^2/NDF: 12270496659.4/23

All: 0.164+/-0.000 χ^2/NDF: 21684662328.5/4

- sign 0.160+/-0.000 χ^2/NDF: 9392407300.1/25

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:145972.3/7

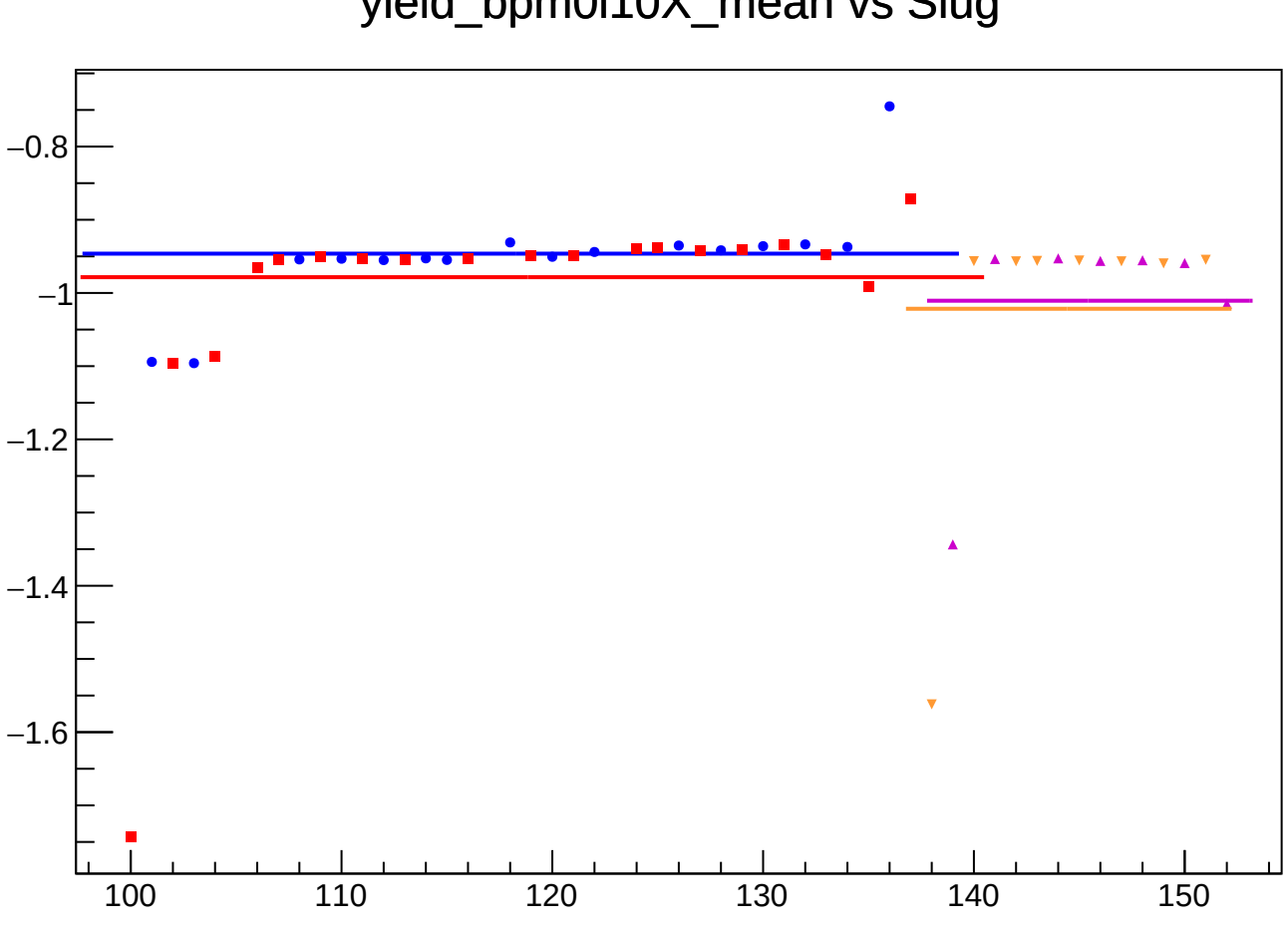
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:138967.3/6

+ sign 0.004+/-0.000 χ^2/NDF: 1185735.2/23

All: 0.004+/-0.000 χ^2/NDF: 2657332.5/49

- sign 0.004+/-0.000 χ^2/NDF: 1470166.2/25



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.022+/-0.000 χ^2/NDF:1785167885.0/7

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

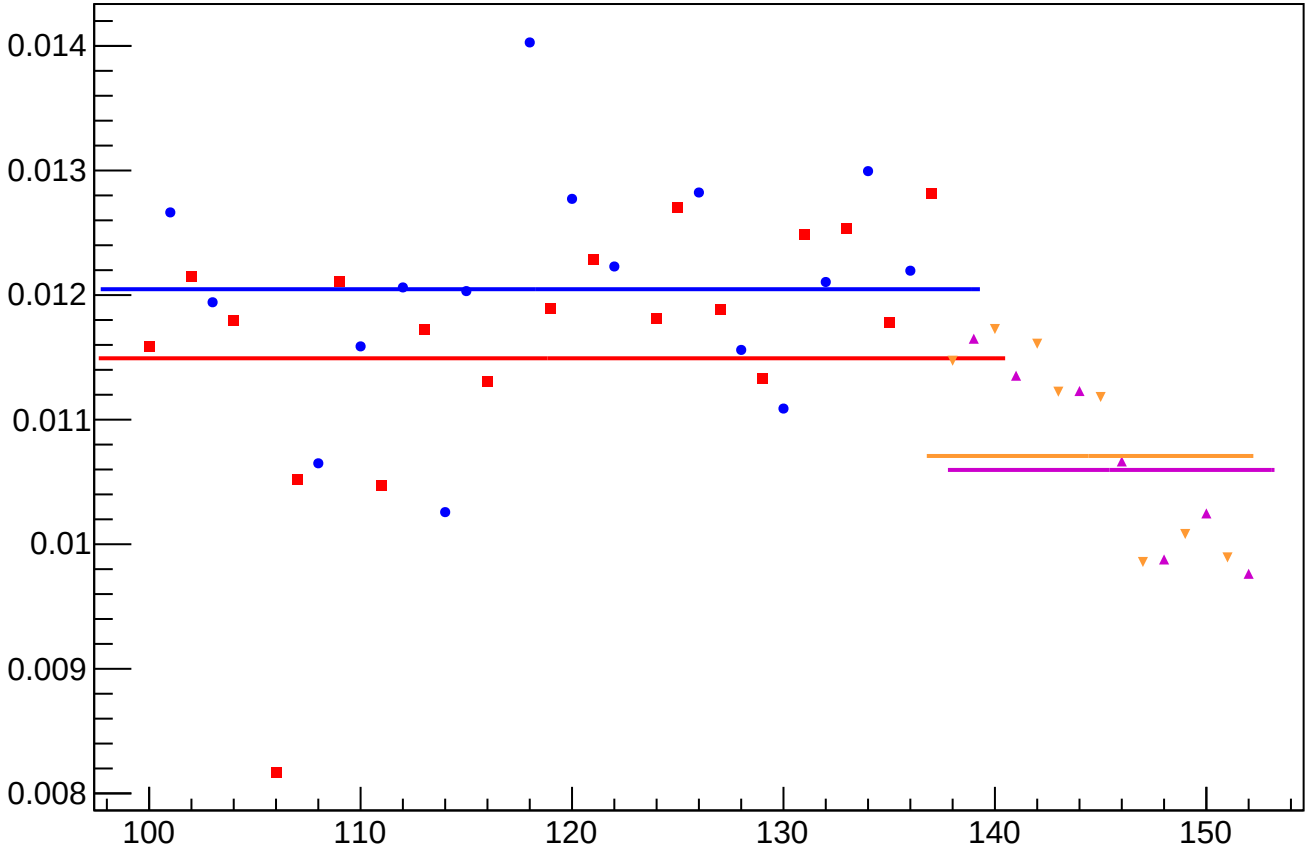
Left In: -1.011+/-0.000 χ^2/NDF:777465978.5/6

+ sign -0.985+/-0.000 χ^2/NDF: 2328621339.8/23

All: -0.990+/-0.000 χ^2/NDF: 3598503125.5/4

- sign -0.994+/-0.000 χ^2/NDF: 1265897268.0/25

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:58252.0/7

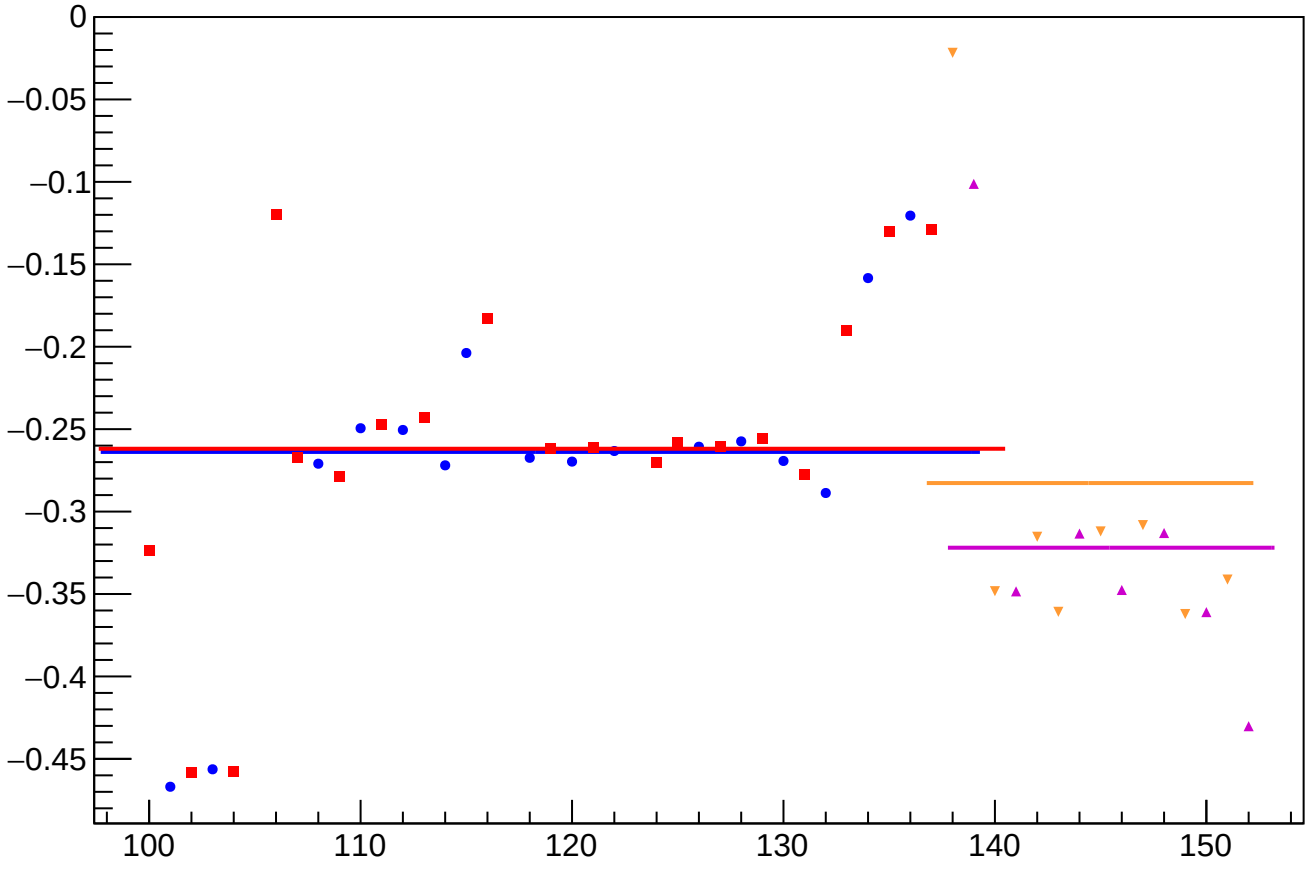
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:48862.9/6

+ sign 0.011+/-0.000 χ^2/NDF: 208602.1/23

All: 0.011+/-0.000 χ^2/NDF: 460369.1/49

- sign 0.011+/-0.000 χ^2/NDF: 242676.7/25



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:4595188526.3/7

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

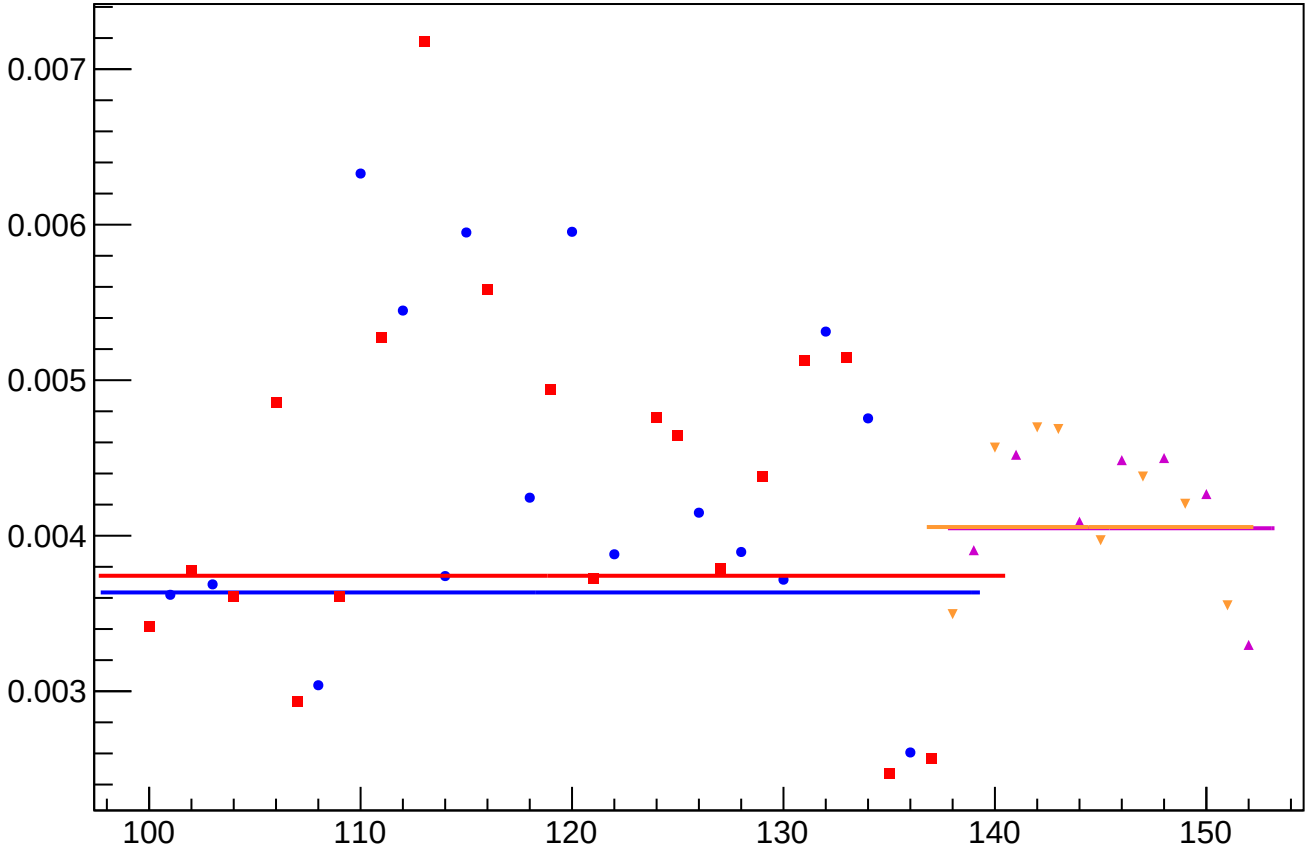
Left In: -0.322+/-0.000 χ^2/NDF:3332704925.5/6

+ sign -0.272+/-0.000 χ^2/NDF: 10767553246.0/23

All: -0.280+/-0.000 χ^2/NDF: 20106512144.0/

- sign -0.288+/-0.000 χ^2/NDF: 9245434911.7/25

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:131782.3/7

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

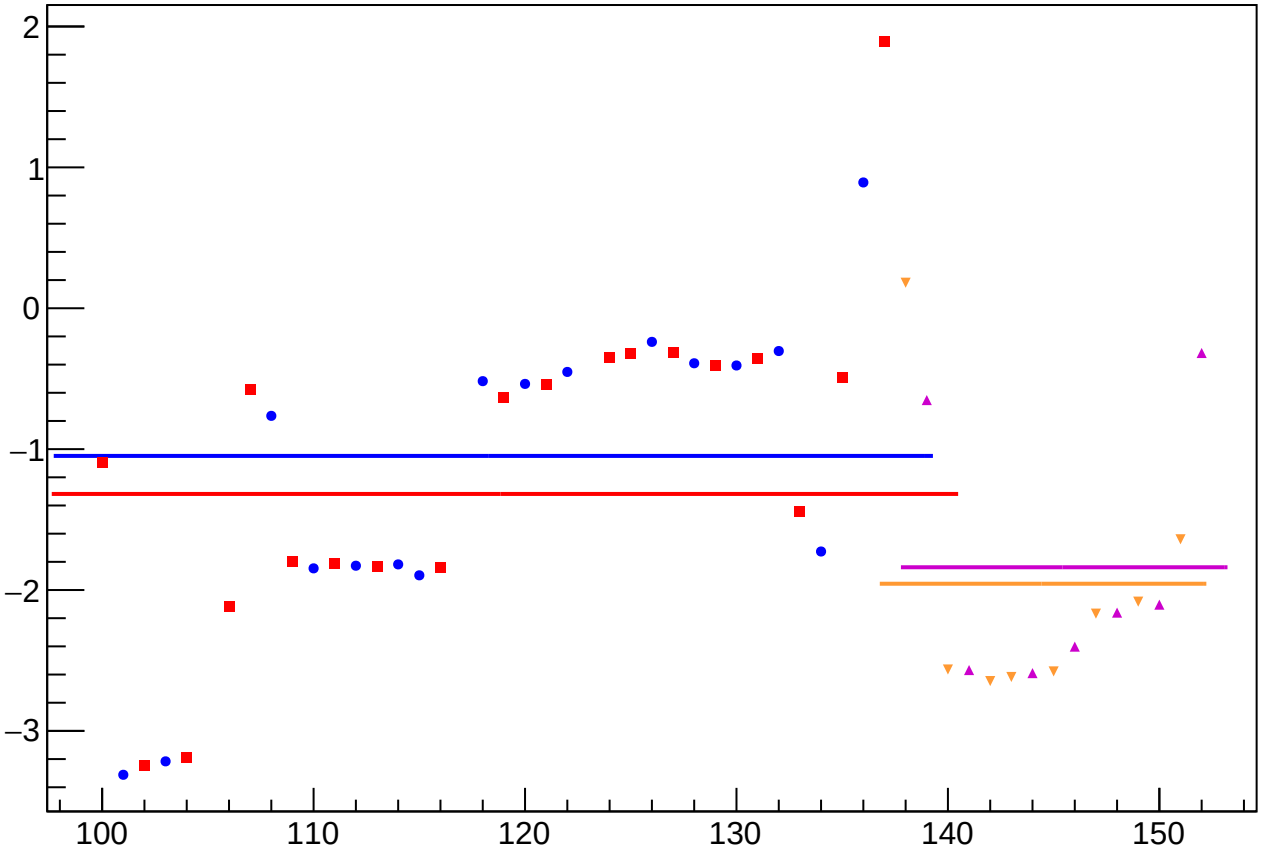
Left In: 0.004+/-0.000 χ^2/NDF:132738.0/6

+ sign 0.004+/-0.000 χ^2/NDF: 926040.4/23

All: 0.004+/-0.000 χ^2/NDF: 1989942.3/49

- sign 0.004+/-0.000 χ^2/NDF: 1061257.3/25

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.955+/-0.000 χ^2/NDF:910982290.4/7

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

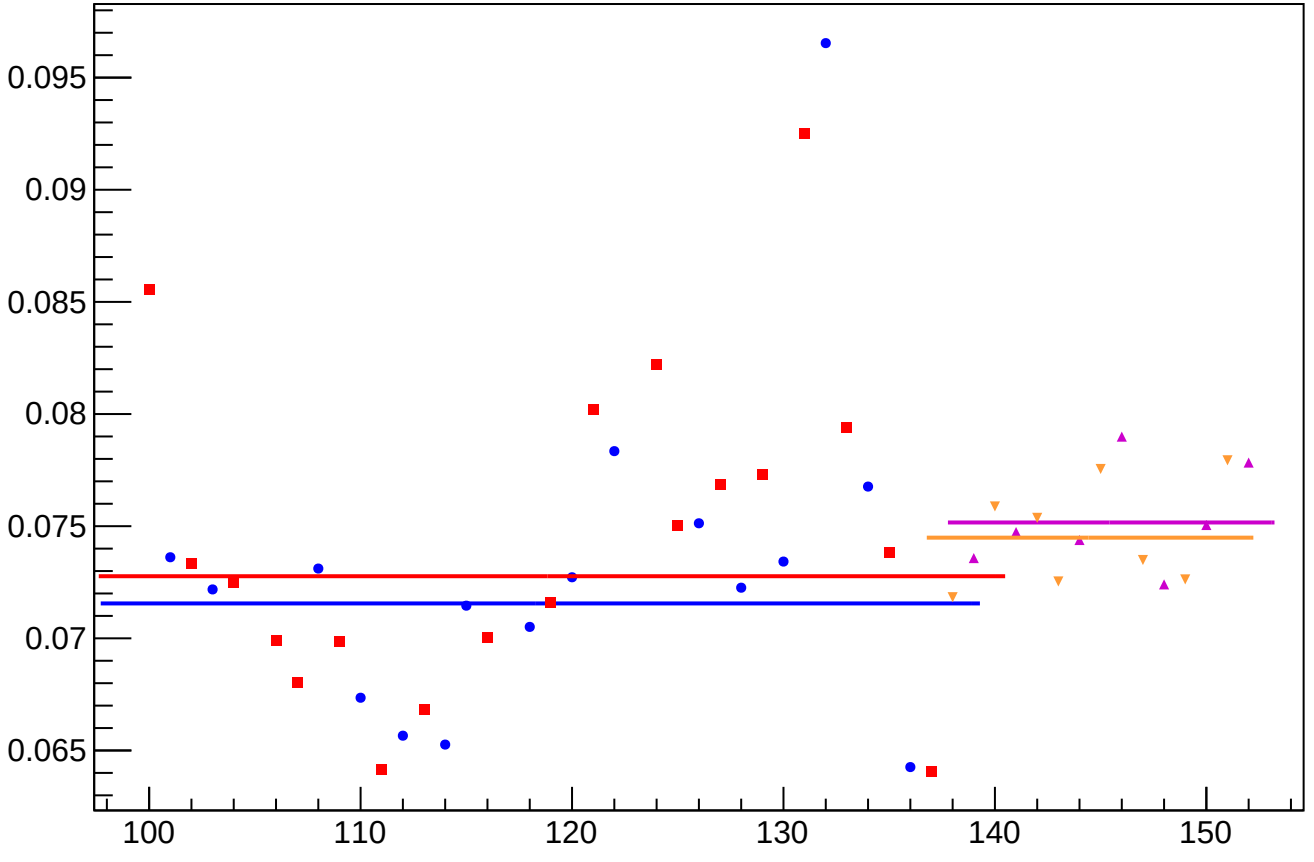
Left In: -1.838+/-0.000 χ^2/NDF:779828899.6/6

+ sign -1.449+/-0.000 χ^2/NDF: 3756074610.7/23

All: -1.496+/-0.000 χ^2/NDF: 6555794745.9/4

- sign -1.544+/-0.000 χ^2/NDF: 2788819634.7/25

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:10984.5/7

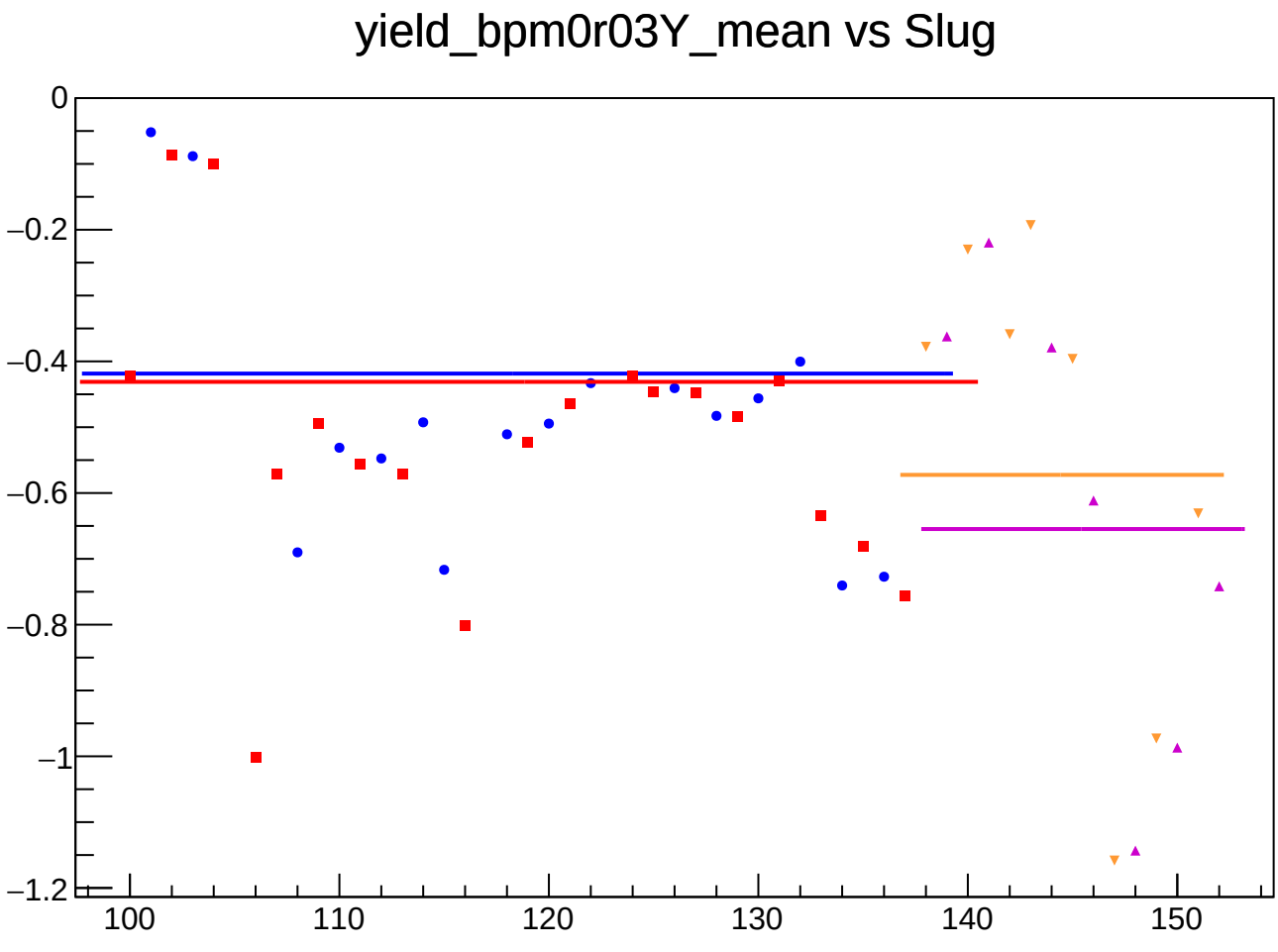
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:9278.3/6

+ sign 0.073+/-0.000 χ^2/NDF: 122628.8/23

All: 0.073+/-0.000 χ^2/NDF: 237832.6/49

- sign 0.074+/-0.000 χ^2/NDF: 112977.6/25



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.572+/-0.000 χ^2/NDF:8162243103.4/7

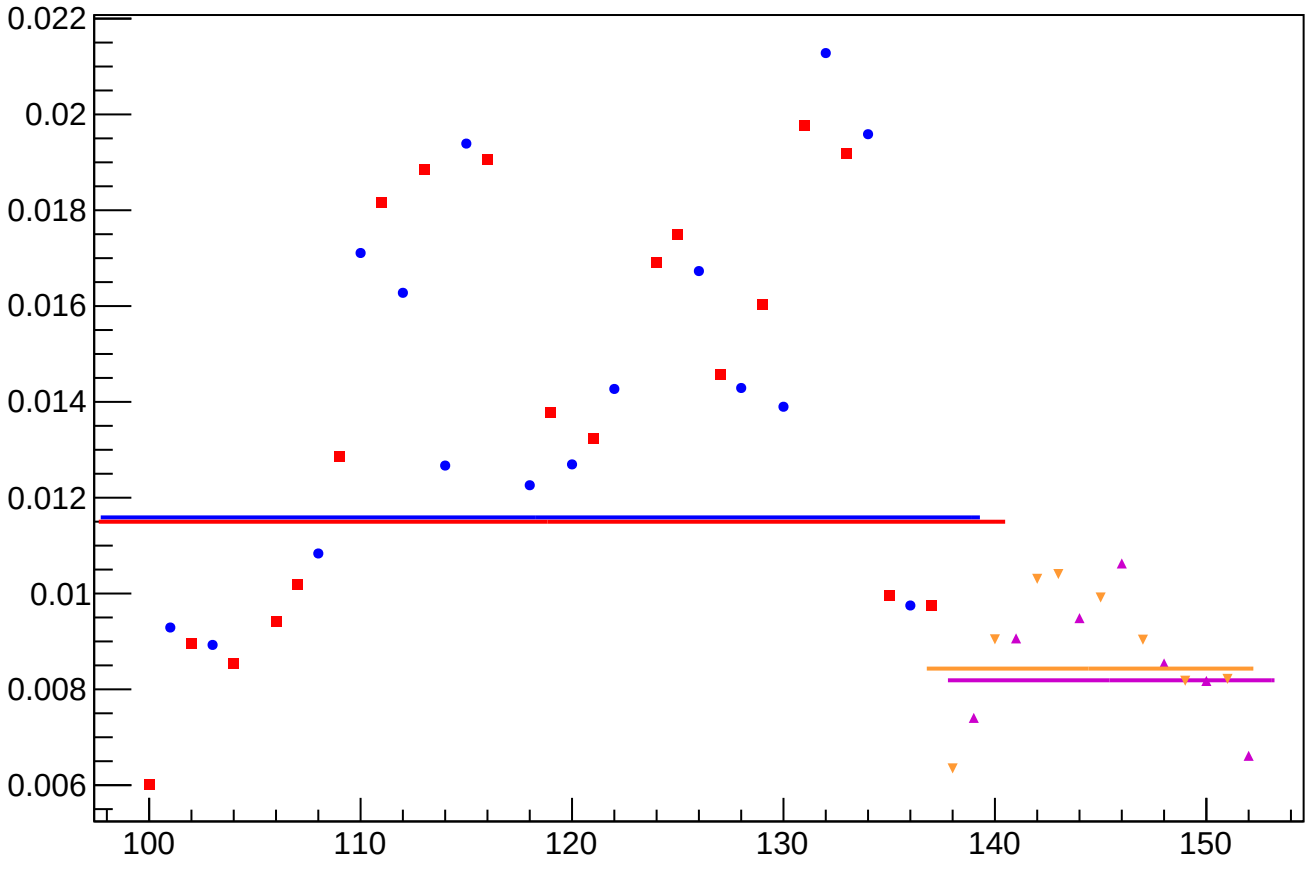
Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.655+/-0.000 χ^2/NDF:7784531450.7/6

+ sign -0.516+/-0.000 χ^2/NDF: 11898913410.0/23

All: -0.546+/-0.000 χ^2/NDF: 24542902370.0/

- sign -0.574+/-0.000 χ^2/NDF: 12434402135.3/25



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:276566.1/7

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

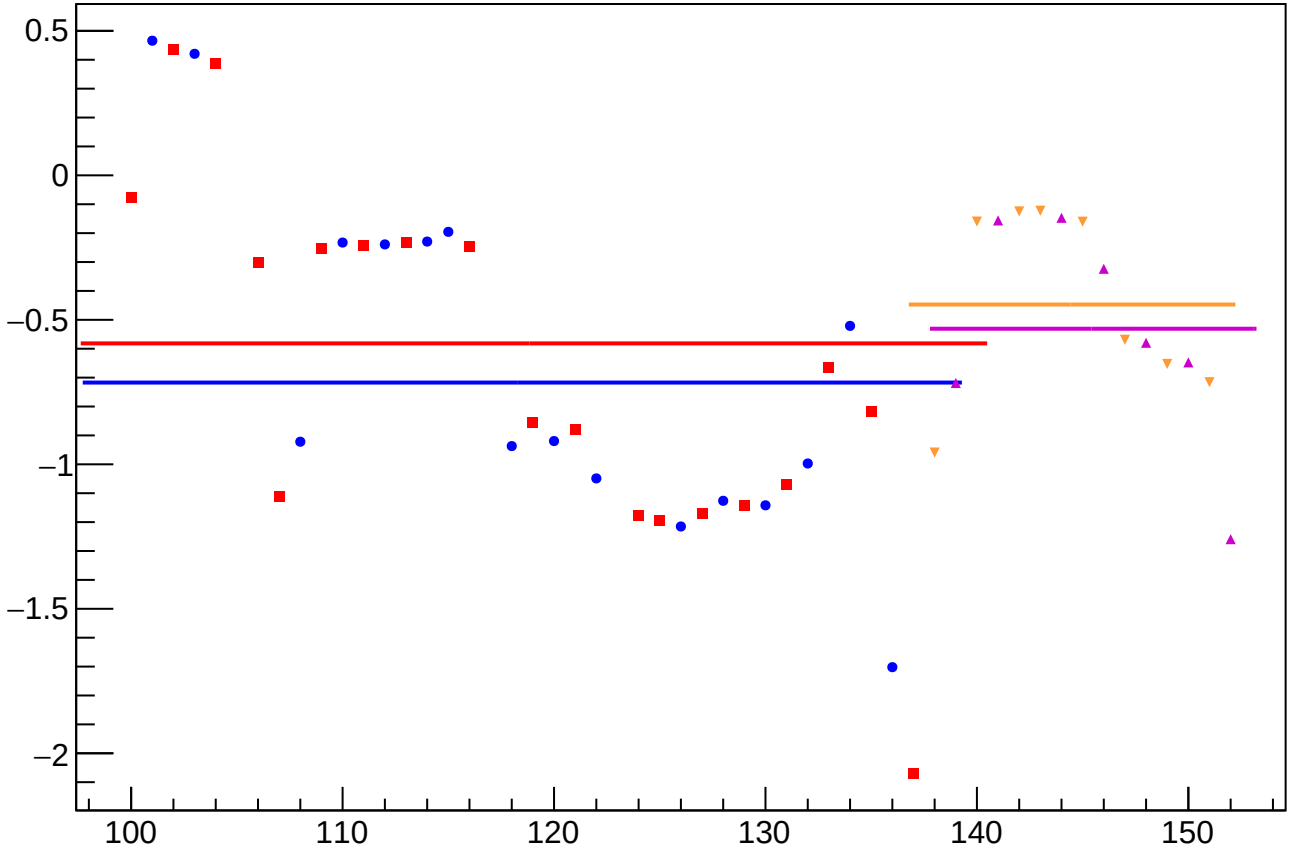
Left In: 0.008+/-0.000 χ^2/NDF:232141.7/6

+ sign 0.010+/-0.000 χ^2/NDF: 1621691.5/23

All: 0.009+/-0.000 χ^2/NDF: 3660858.3/49

- sign 0.009+/-0.000 χ^2/NDF: 2033603.1/25

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.447+/-0.000 χ^2/NDF:82733456.0/7

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

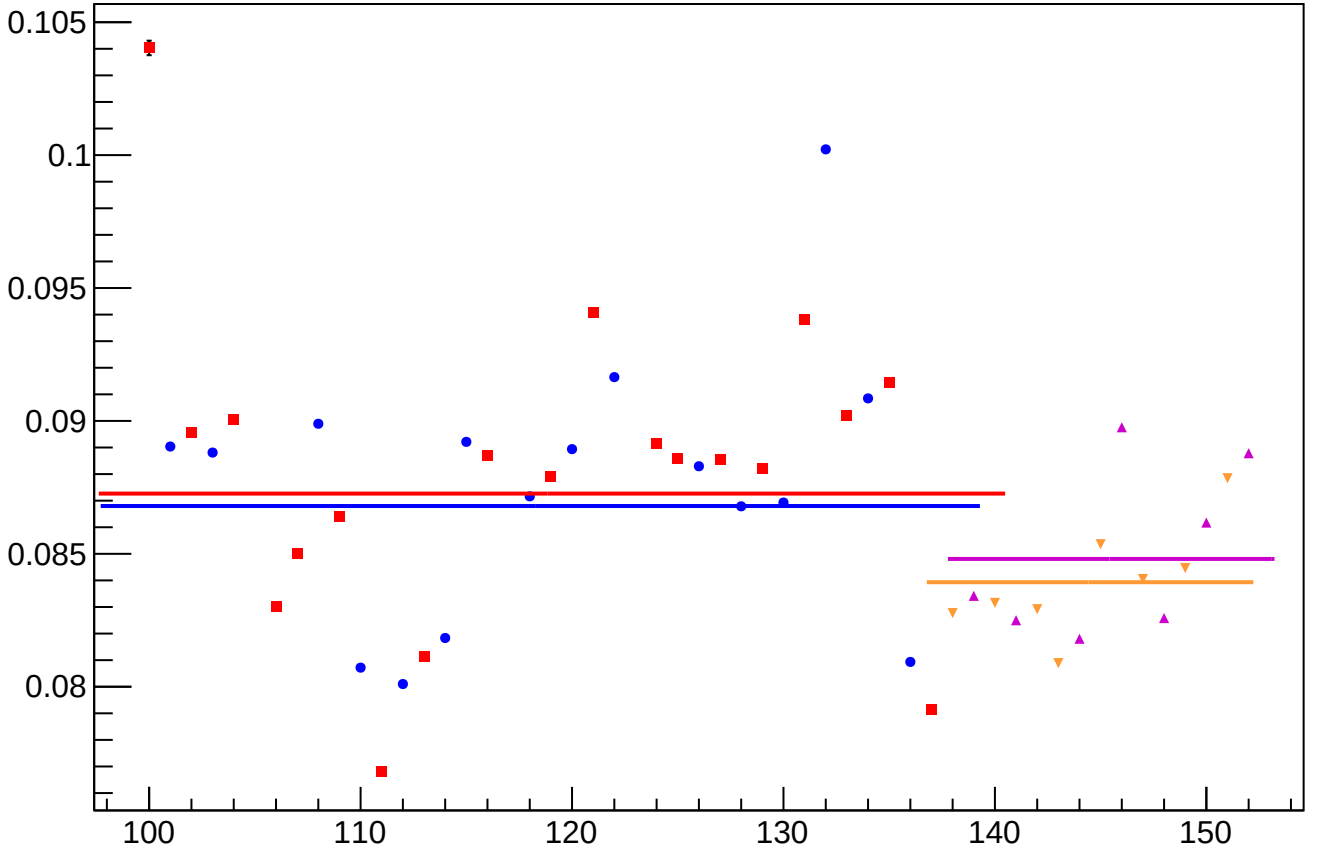
Left In: -0.531+/-0.000 χ^2/NDF:106079213.7/6

+ sign -0.588+/-0.000 χ^2/NDF: 553331208.5/23

All: -0.573+/-0.000 χ^2/NDF: 1003453417.4/4

- sign -0.558+/-0.000 χ^2/NDF: 449304493.1/25

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.084+/-0.000 χ^2/NDF:6714.1/7

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

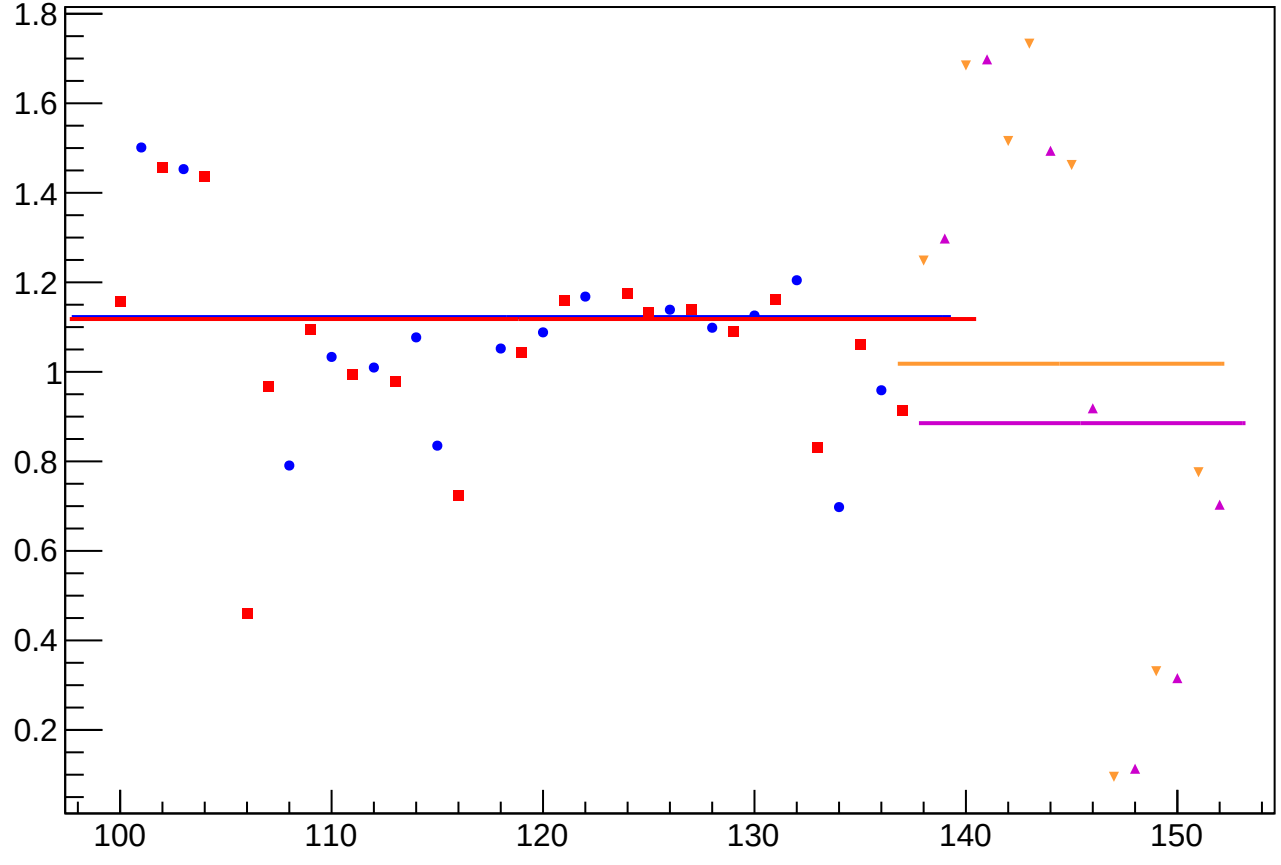
Left In: 0.085+/-0.000 χ^2/NDF:14669.9/6

+ sign 0.085+/-0.000 χ^2/NDF: 57767.0/23

All: 0.086+/-0.000 χ^2/NDF: 124961.1/49

- sign 0.086+/-0.000 χ^2/NDF: 66301.9/25

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.018+/-0.000 χ^2/NDF:17550577407.2/7

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

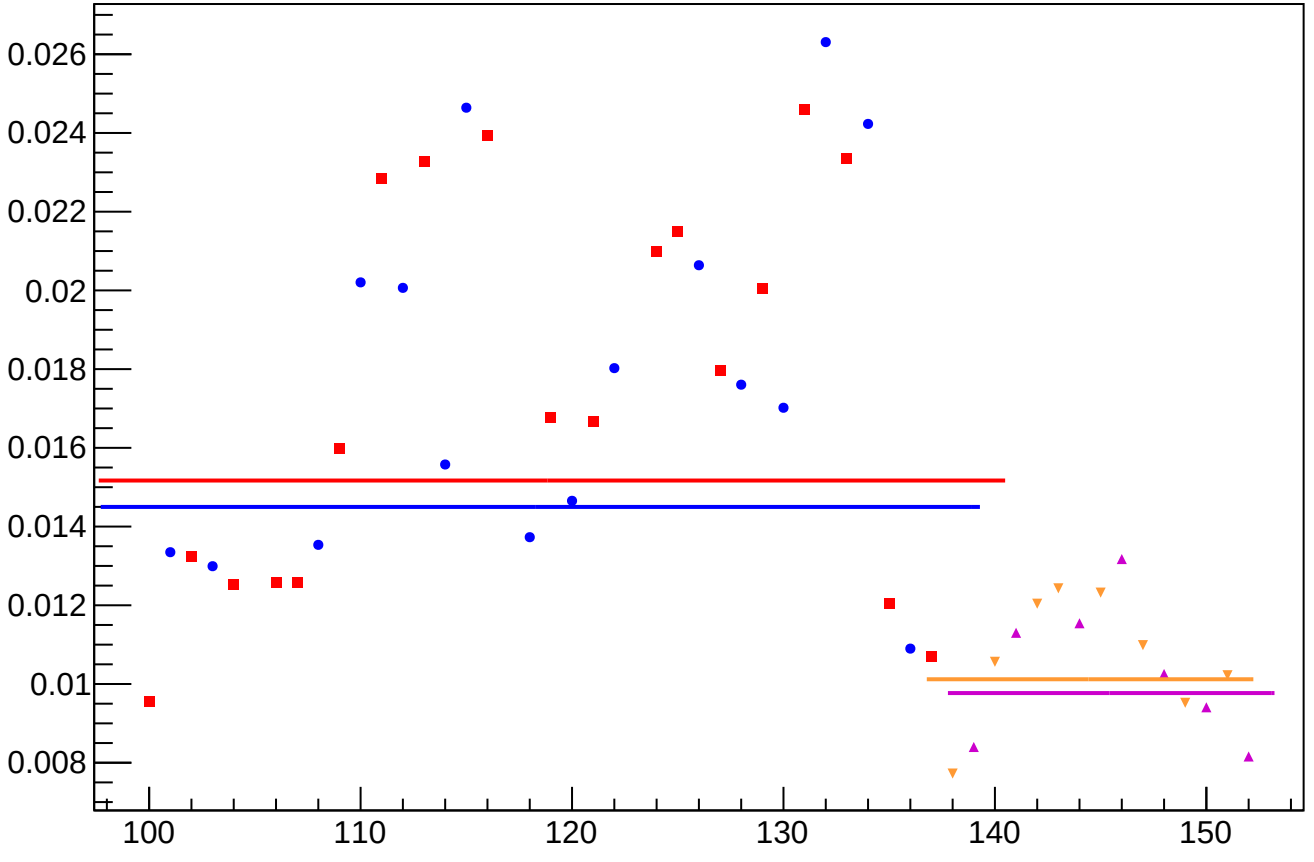
Left In: 0.885+/-0.000 χ^2/NDF:16211244319.9/6

+ sign 1.054+/-0.000 χ^2/NDF: 19206853623.6/23

All: 1.006+/-0.000 χ^2/NDF: 38343436192.7/4

- sign 0.959+/-0.000 χ^2/NDF: 18764853472.0/25

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:278430.7/7

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

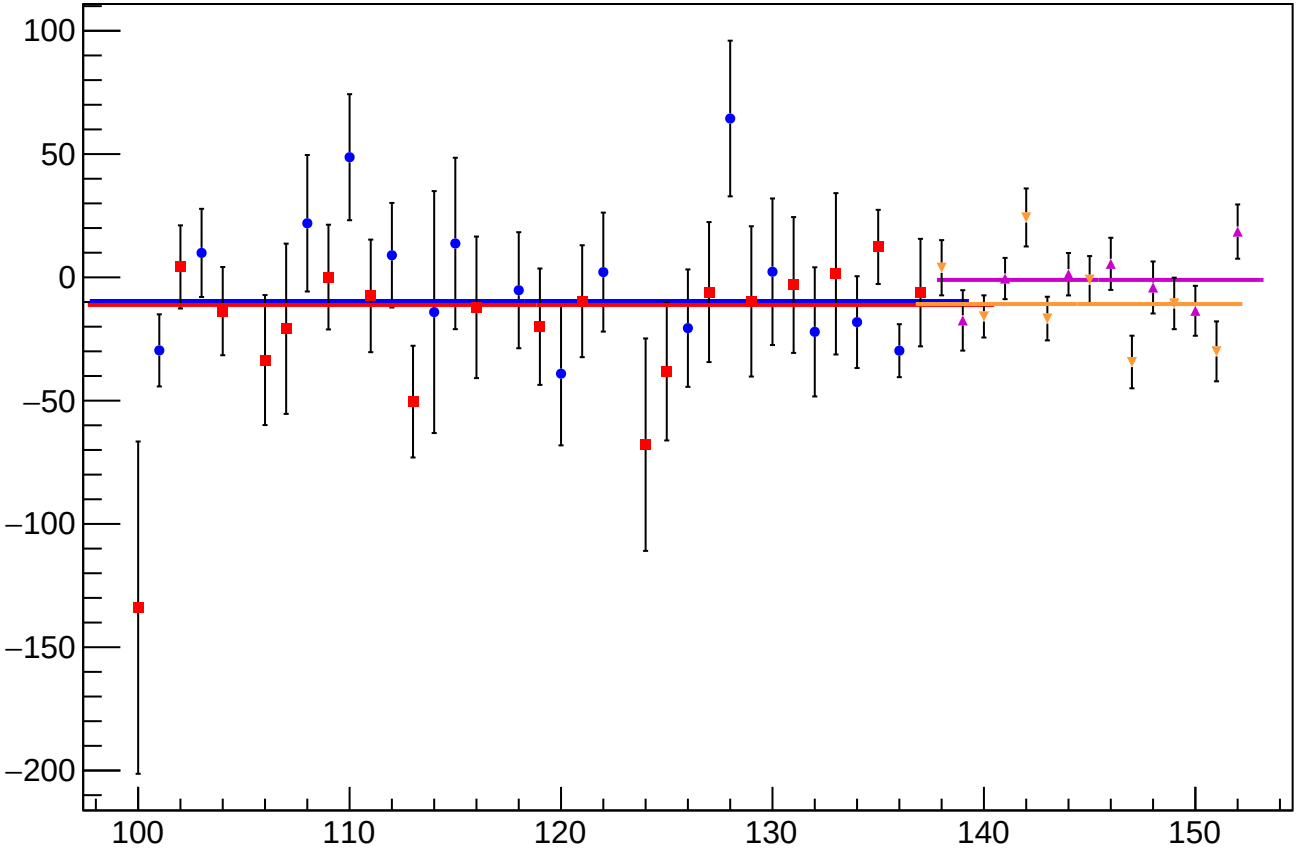
Left In: 0.010+/-0.000 χ^2/NDF:276838.9/6

+ sign 0.012+/-0.000 χ^2/NDF: 1701867.7/23

All: 0.012+/-0.000 χ^2/NDF: 3904475.8/49

- sign 0.011+/-0.000 χ^2/NDF: 2200927.0/25

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -10.812+/-3.597 χ^2/NDF:19.8/7

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

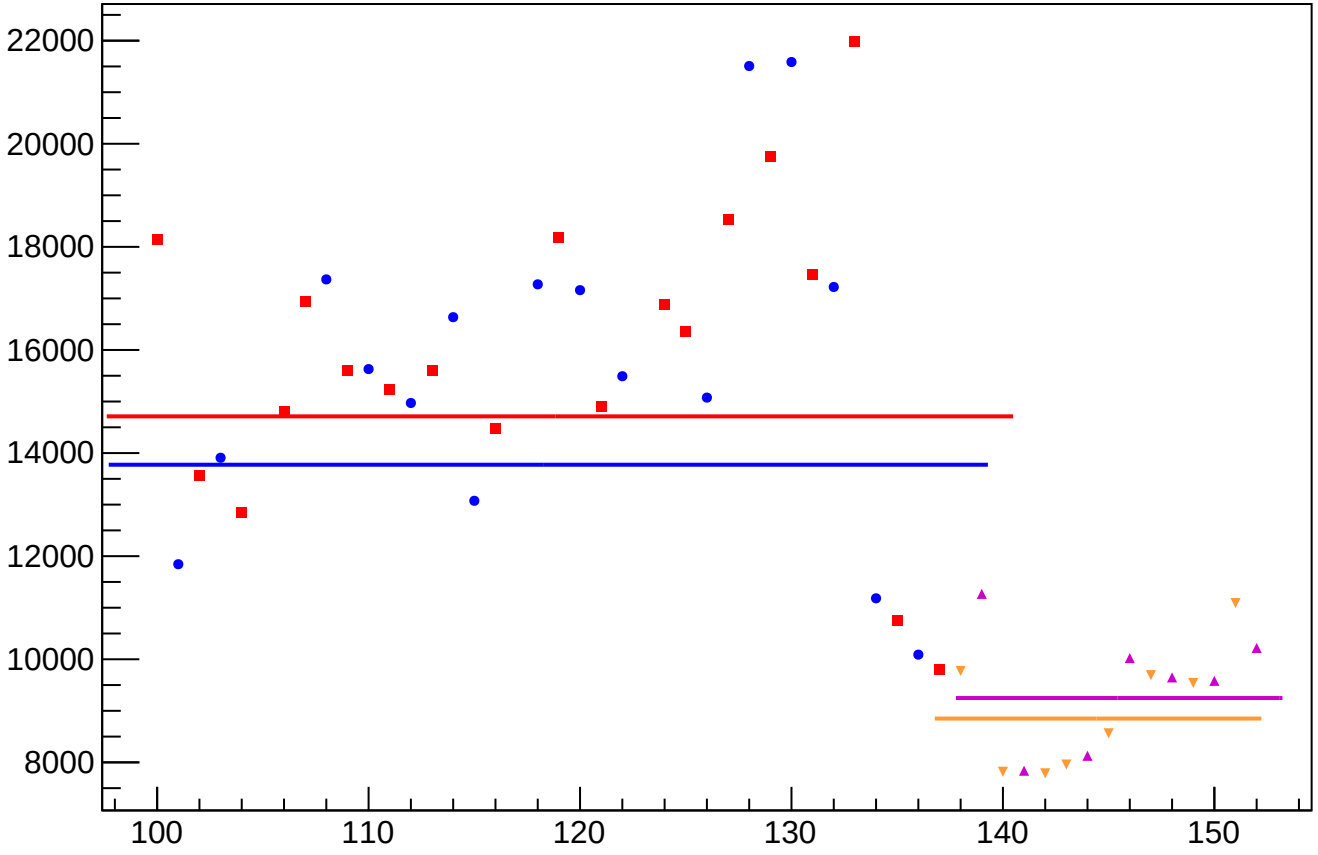
Left In: -1.029+/-3.769 χ^2/NDF:7.0/6

+ sign -10.423+/-2.975 χ^2/NDF: 41.8/23

All: -7.483+/-2.149 χ^2/NDF: 67.1/49

- sign -4.274+/-3.108 χ^2/NDF: 23.2/25

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8849.817+/-2.544 χ^2/NDF:170341.0/7

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

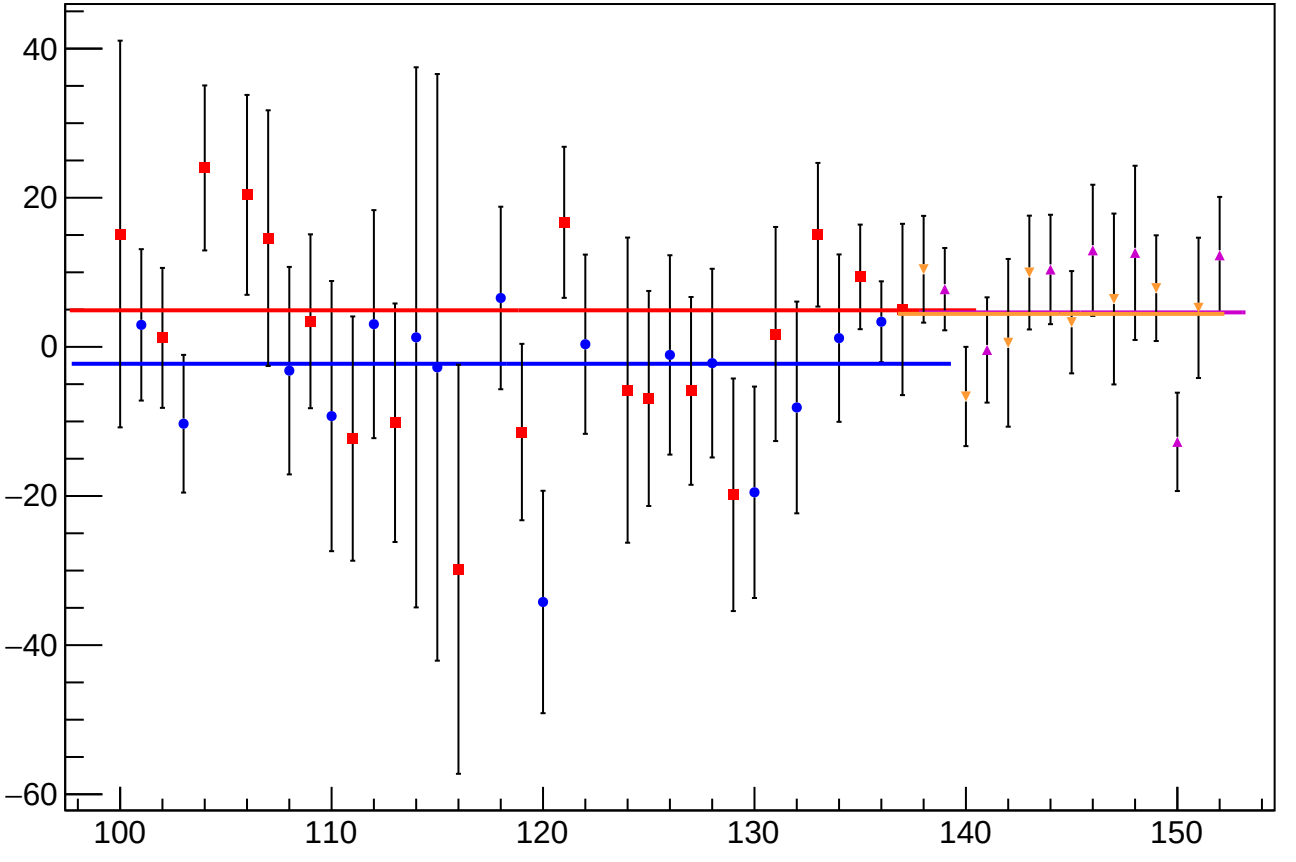
Left In: 9248.263+/-2.665 χ^2/NDF:176427.8/6

+ sign 10406.672+/-2.104 χ^2/NDF: 2102606.9/23

All: 10688.112+/-1.520 χ^2/NDF: 4217873.2/4

- sign 10995.393+/-2.198 χ^2/NDF: 2077822.6/25

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.427+/-2.804 χ^2/NDF:4.4/7

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

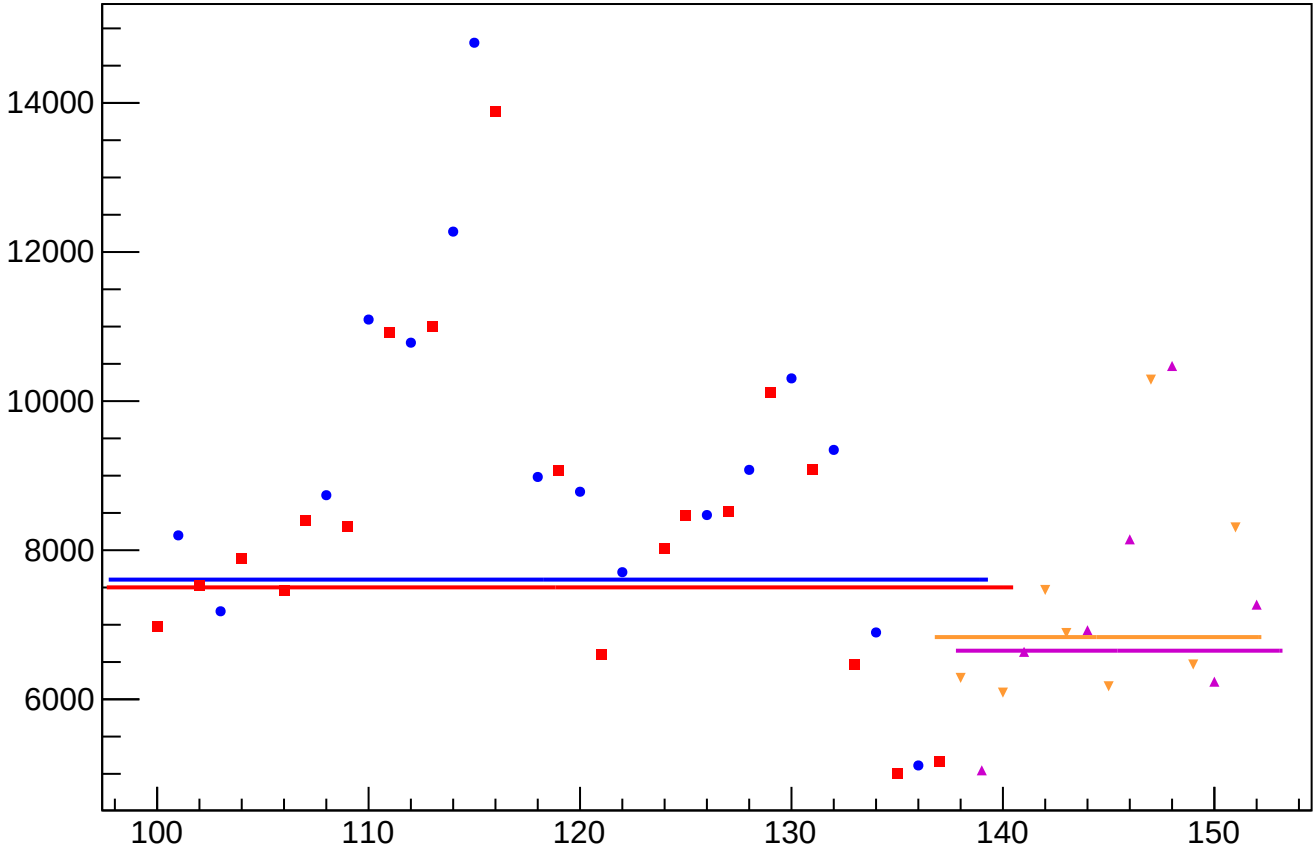
Left In: 4.626+/-2.763 χ^2/NDF:10.7/6

+ sign 1.218+/-2.023 χ^2/NDF: 16.4/23

All: 3.029+/-1.415 χ^2/NDF: 46.3/49

- sign 4.761+/-1.979 χ^2/NDF: 28.3/25

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6834.607+/-1.982 χ^2/NDF:297676.1/7

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

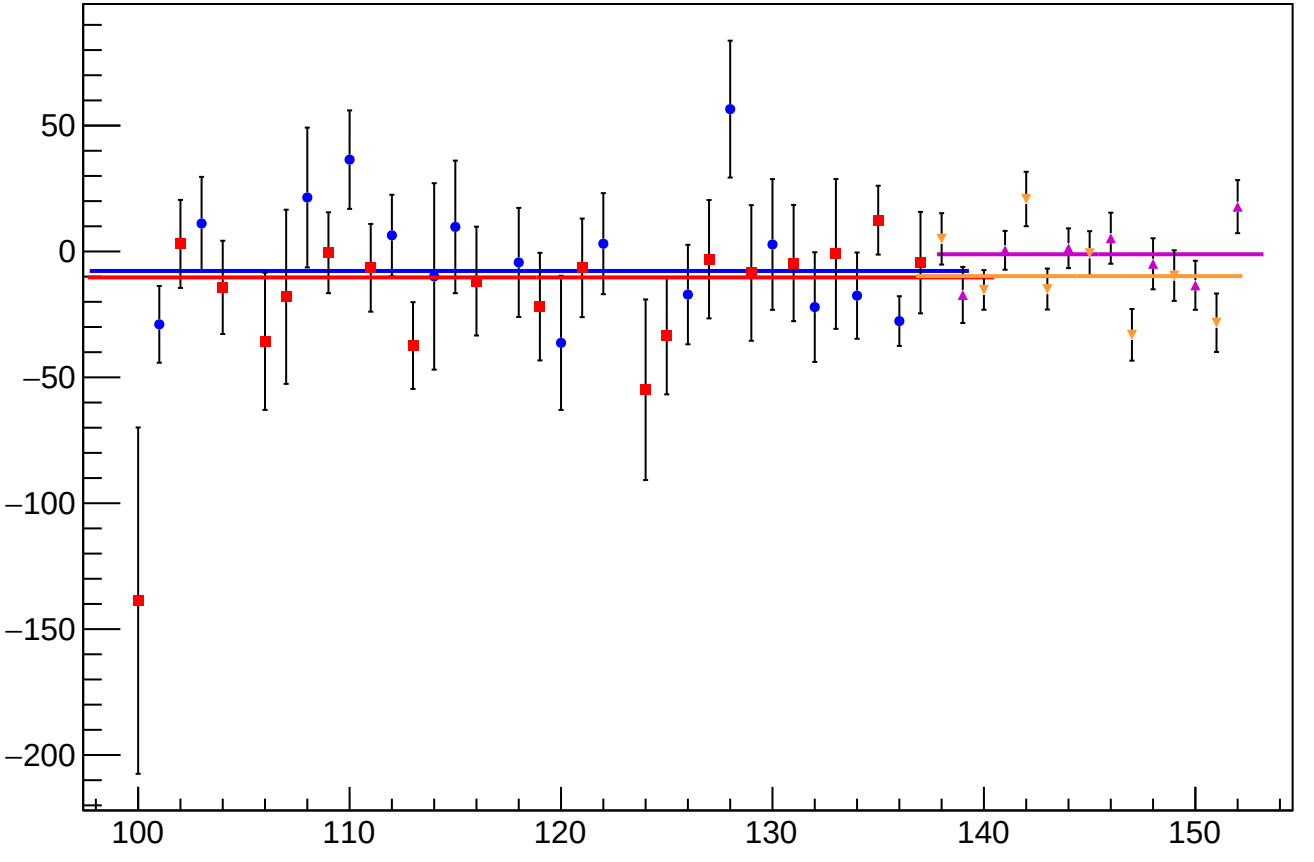
Left In: 6652.013+/-1.954 χ^2/NDF:463623.9/6

+ sign 7204.216+/-1.431 χ^2/NDF: 1261686.2/23

All: 7133.427+/-1.000 χ^2/NDF: 2645731.8/49

- sign 7065.687+/-1.399 χ^2/NDF: 1379253.5/25

diff_bpm4eX_mean vs Slug



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -9.790+/-3.348 χ^2/NDF:19.8/7

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

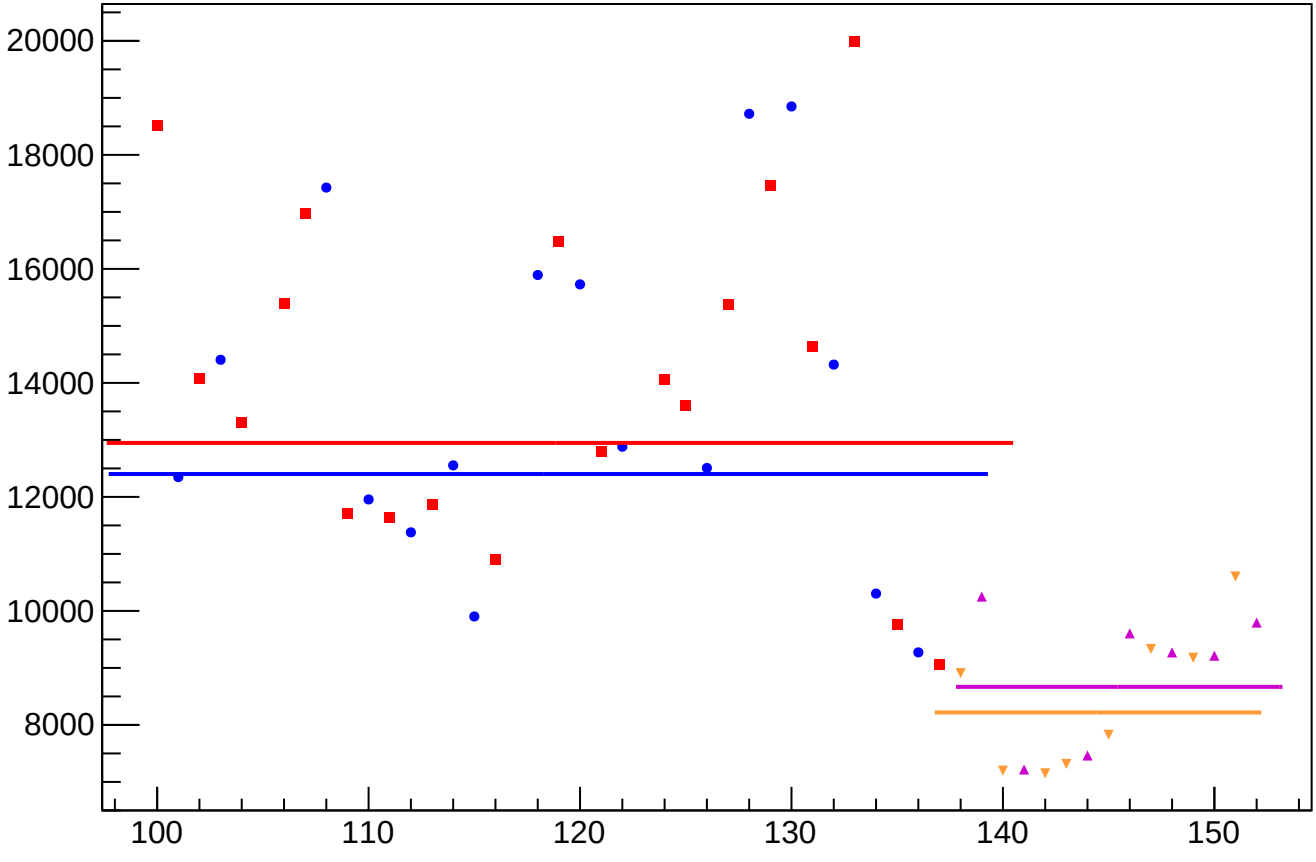
Left In: -1.107+/-3.537 χ^2/NDF:7.6/6

+ sign -9.109+/-2.736 χ^2/NDF: 42.6/23

All: -6.812+/-1.976 χ^2/NDF: 67.9/49

- sign -4.311+/-2.856 χ^2/NDF: 23.9/25

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8218.926+/-2.368 χ^2/NDF:216976.1/7

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

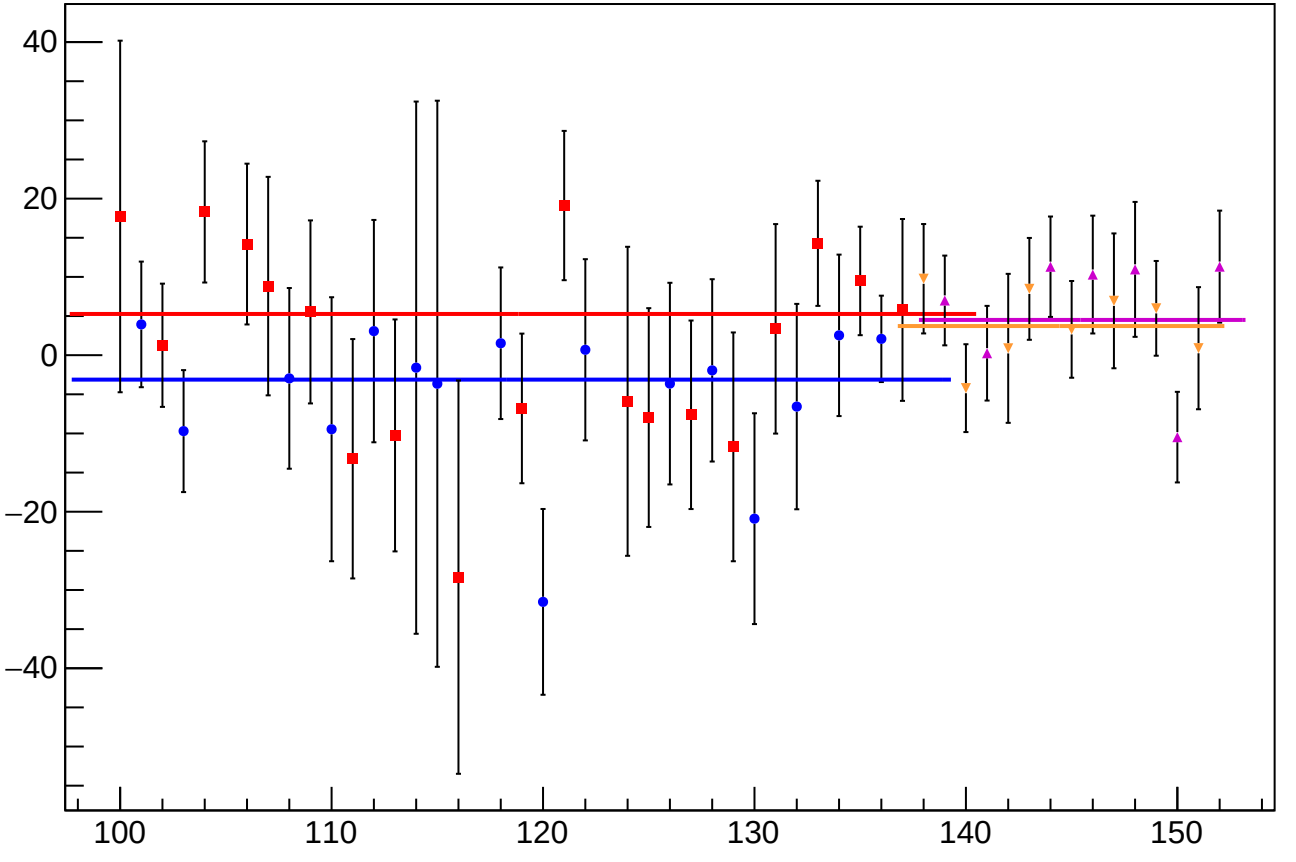
Left In: 8667.795+/-2.501 χ^2/NDF:211058.1/6

+ sign 9608.123+/-1.935 χ^2/NDF: 1931912.1/23

All: 9871.238+/-1.397 χ^2/NDF: 3756088.0/49

- sign 10157.817+/-2.019 χ^2/NDF: 1785543.4/25

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.722+/-2.423 χ^2/NDF:3.8/7

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

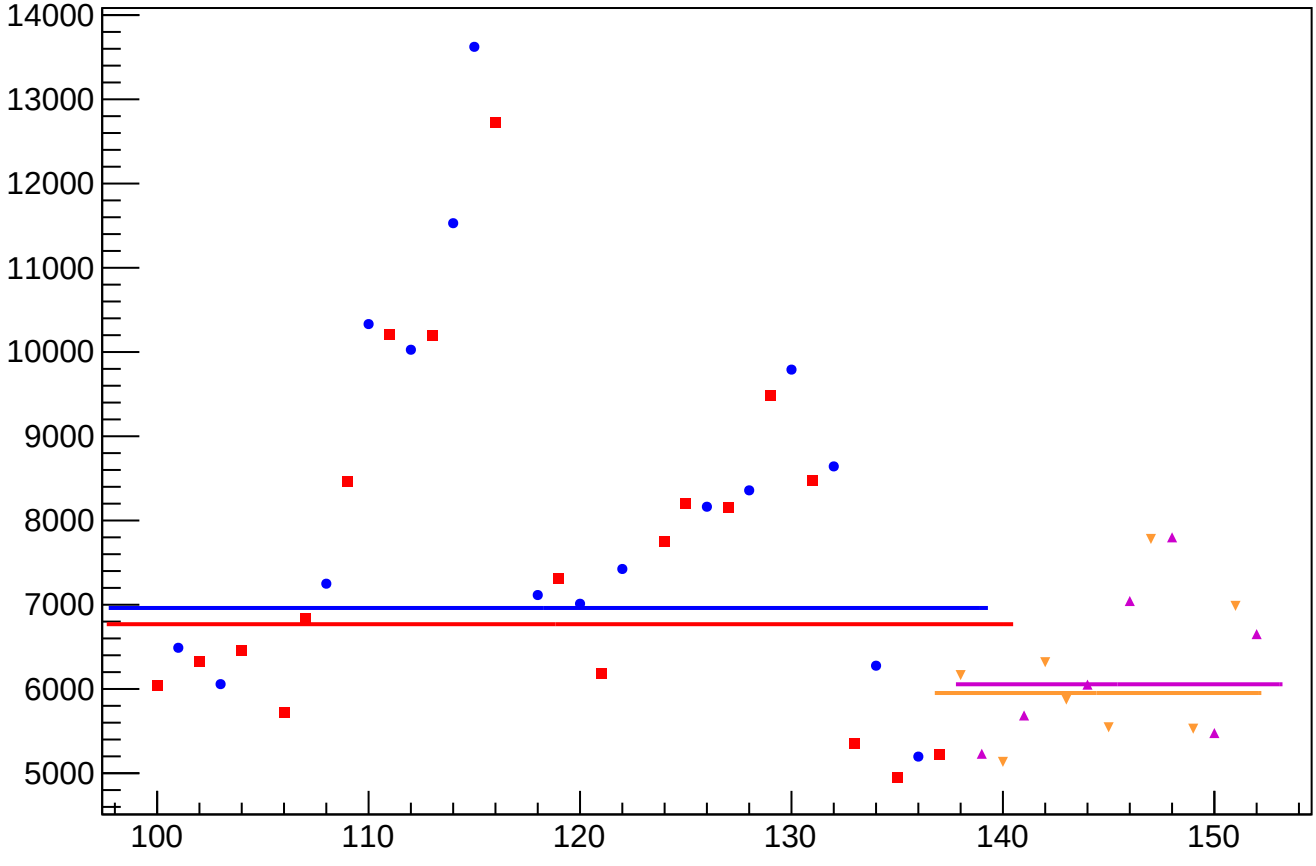
Left In: 4.503+/-2.480 χ^2/NDF:10.6/6

+ sign 0.612+/-1.790 χ^2/NDF: 18.3/23

All: 2.756+/-1.262 χ^2/NDF: 48.7/49

- sign 4.873+/-1.779 χ^2/NDF: 27.5/25

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 5952.134+/-1.714 χ^2/NDF:191331.8/7

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

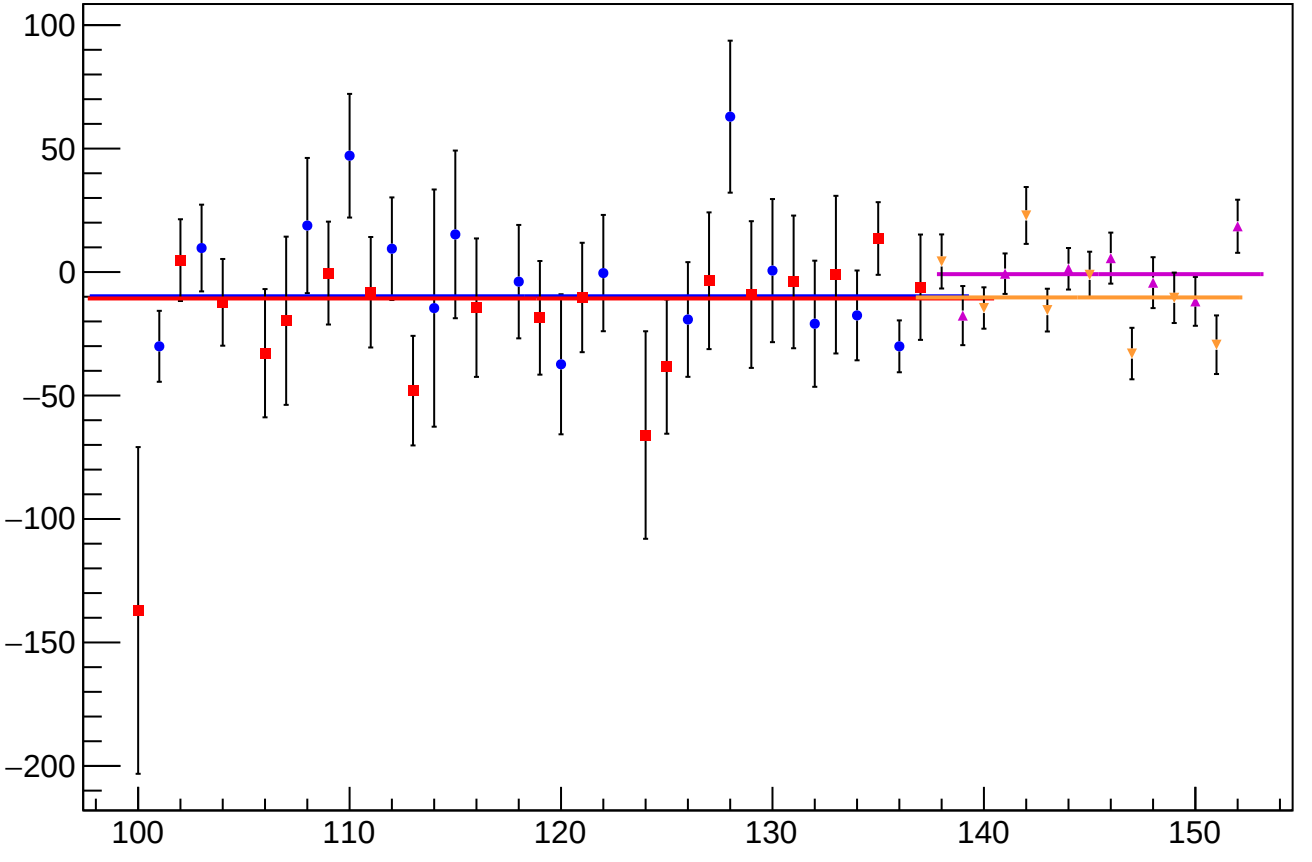
Left In: 6055.808+/-1.754 χ^2/NDF:199174.3/6

+ sign 6410.802+/-1.266 χ^2/NDF: 1045421.0/23

All: 6406.405+/-0.892 χ^2/NDF: 2123020.9/49

- sign 6402.063+/-1.258 χ^2/NDF: 1077575.9/25

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.278+/-3.519 χ^2/NDF:19.0/7

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

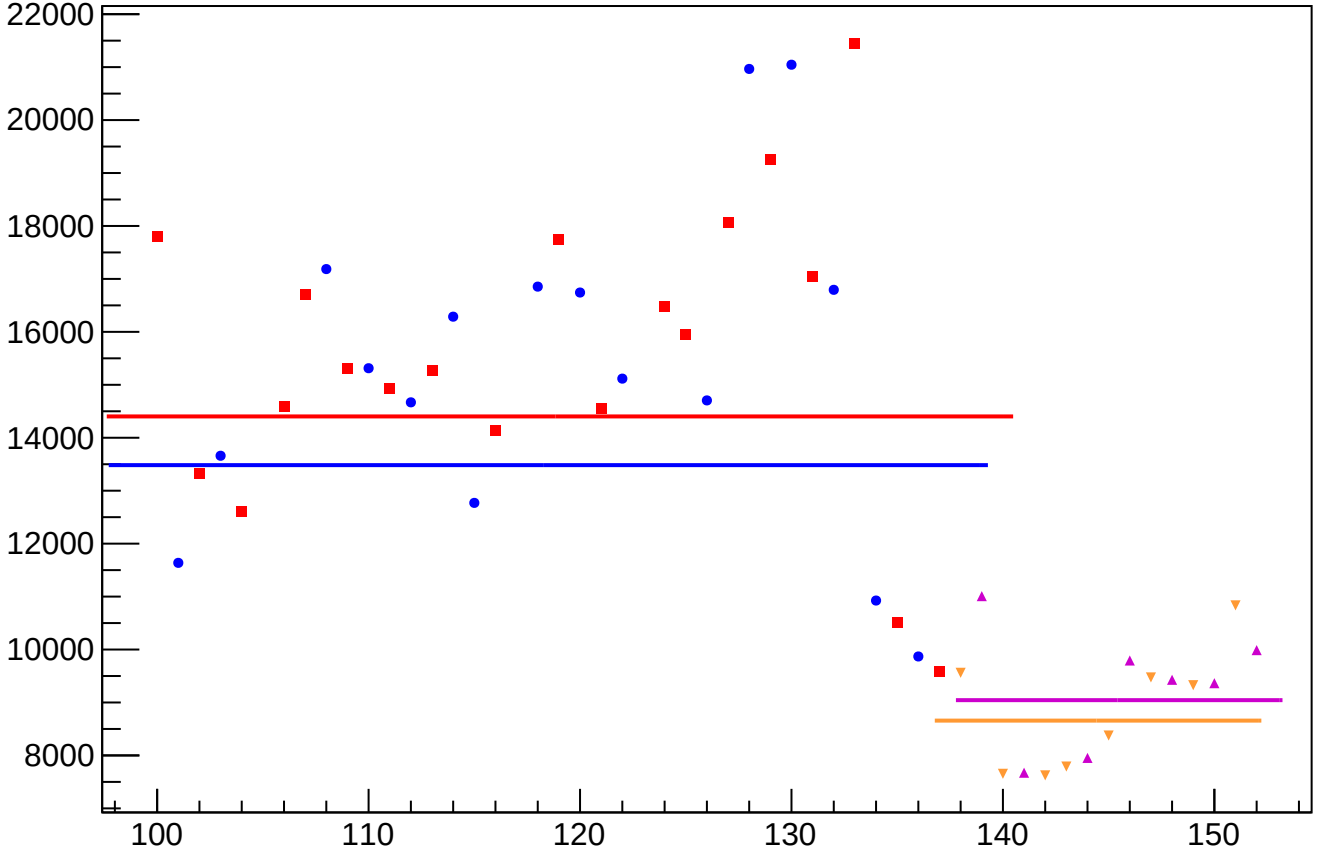
Left In: -0.852+/-3.685 χ^2/NDF:7.0/6

+ sign -10.130+/-2.910 χ^2/NDF: 41.1/23

All: -7.198+/-2.102 χ^2/NDF: 66.8/49

- sign -3.997+/-3.040 χ^2/NDF: 23.6/25

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8657.723+/-2.488 χ^2/NDF:168442.7/7

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

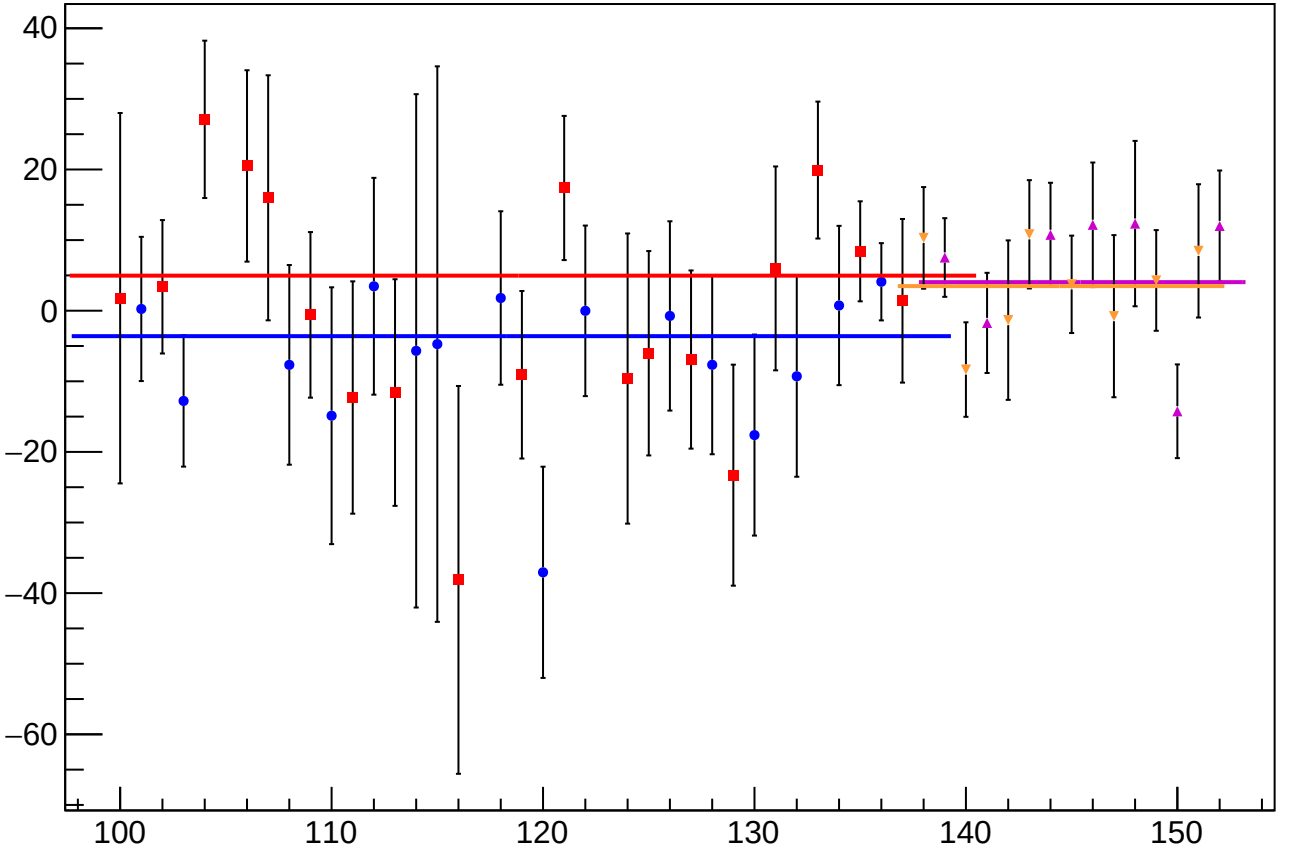
Left In: 9043.956+/-2.606 χ^2/NDF:174231.9/6

+ sign 10182.092+/-2.058 χ^2/NDF: 2100169.6/23

All: 10456.055+/-1.487 χ^2/NDF: 4214231.1/4

- sign 10755.040+/-2.150 χ^2/NDF: 2077000.0/25

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.482+/-2.817 χ^2/NDF:5.5/7

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

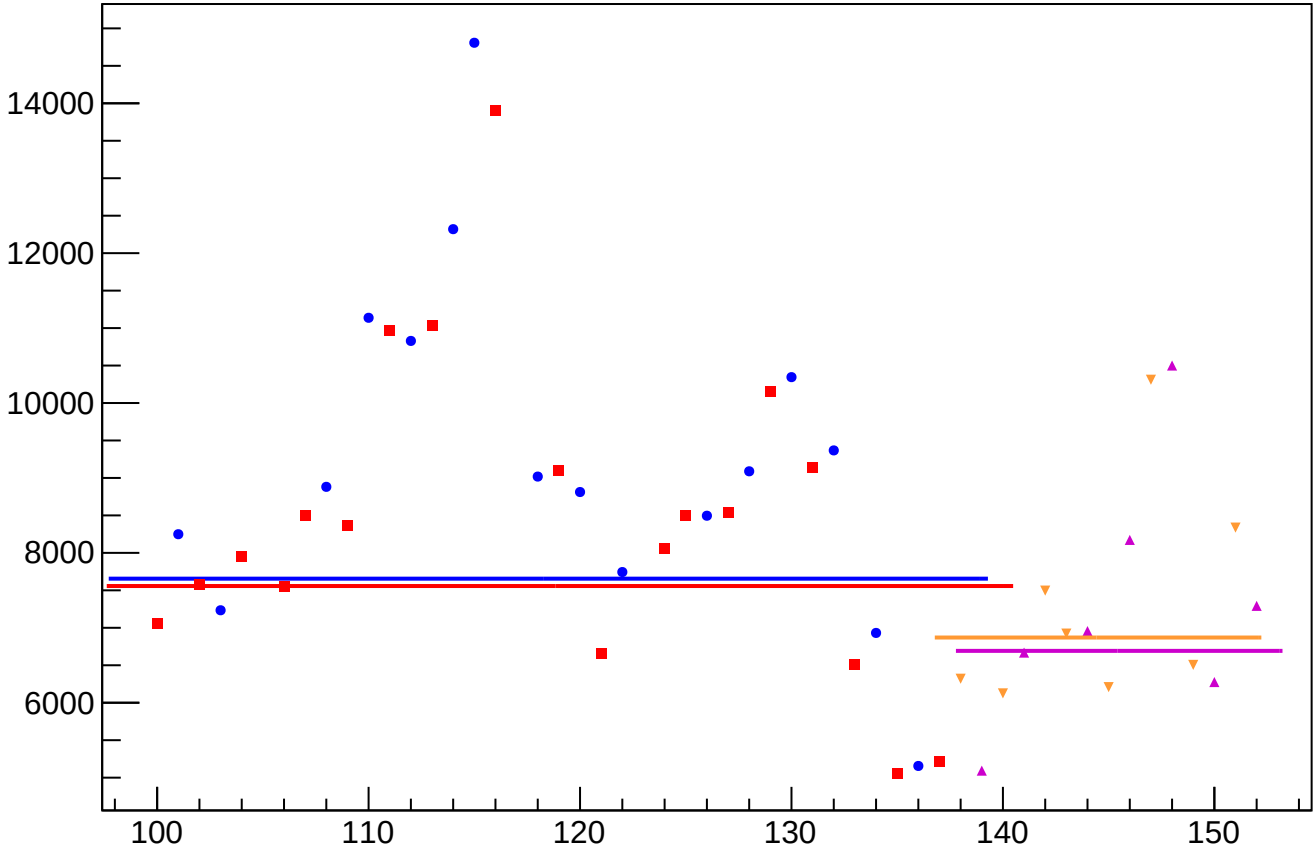
Left In: 4.045+/-2.778 χ^2/NDF:11.9/6

+ sign 0.089+/-2.034 χ^2/NDF: 19.1/23

All: 2.338+/-1.423 χ^2/NDF: 54.7/49

- sign 4.493+/-1.991 χ^2/NDF: 33.3/25

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6870.194+/-1.992 χ^2/NDF:294301.9/7

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

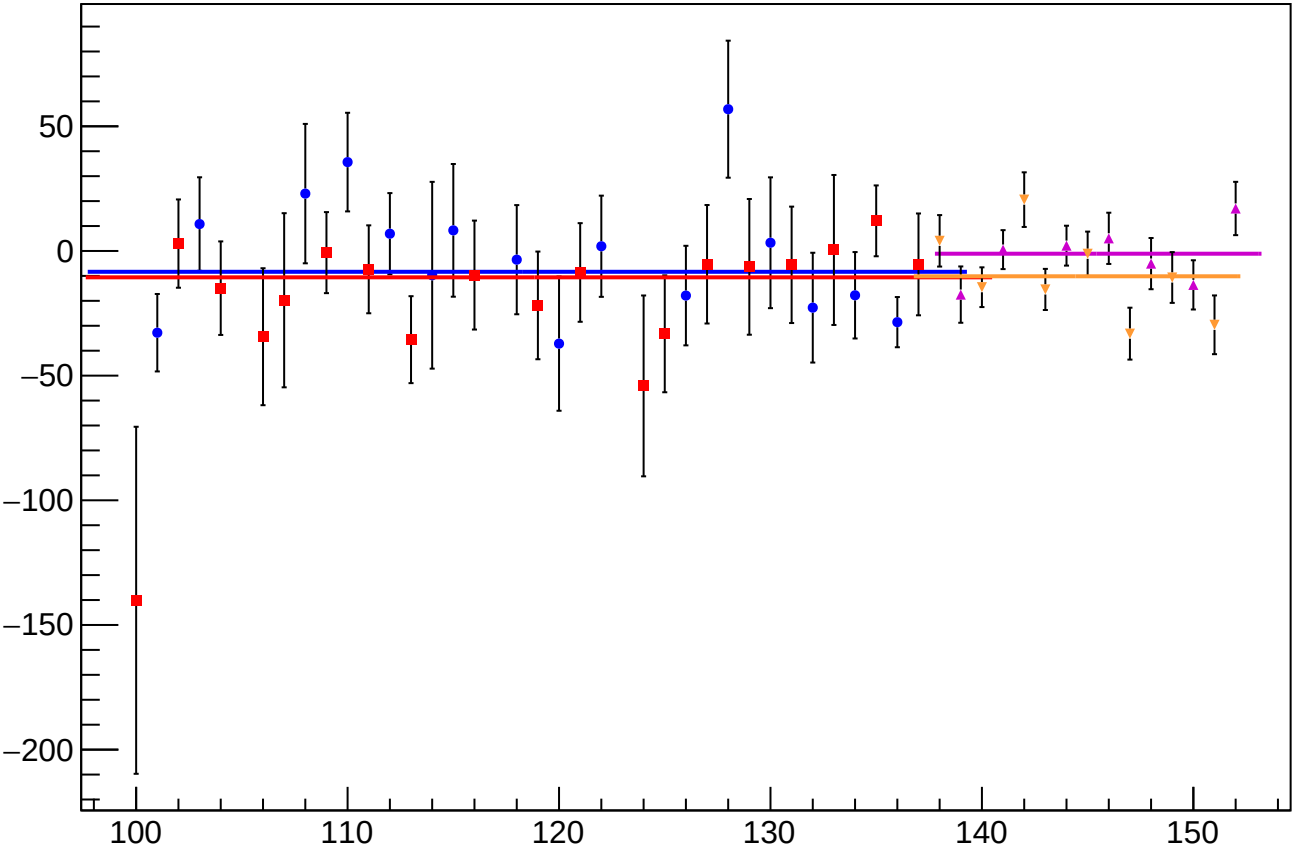
Left In: 6692.051+/-1.964 χ^2/NDF:454709.0/6

+ sign 7246.313+/-1.438 χ^2/NDF: 1248524.0/23

All: 7178.180+/-1.006 χ^2/NDF: 2611871.0/49

- sign 7112.896+/-1.408 χ^2/NDF: 1358953.4/25

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.154+/-3.392 χ^2/NDF:19.1/7

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

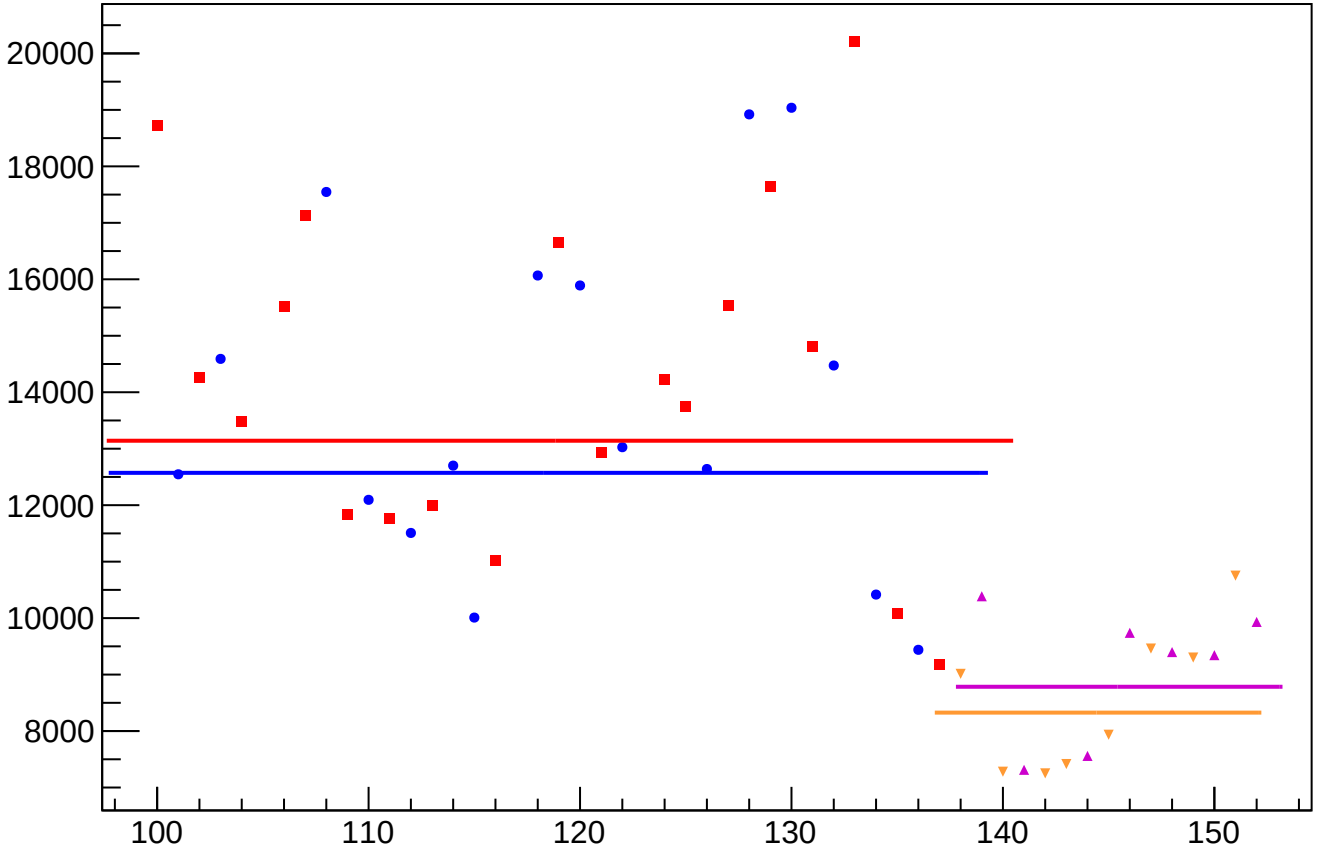
Left In: -1.099+/-3.585 χ^2/NDF:7.3/6

+ sign -9.556+/-2.773 χ^2/NDF: 42.5/23

All: -7.086+/-2.003 χ^2/NDF: 66.8/49

- sign -4.393+/-2.895 χ^2/NDF: 22.6/25

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8326.574+/-2.399 χ^2/NDF:217797.8/7

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

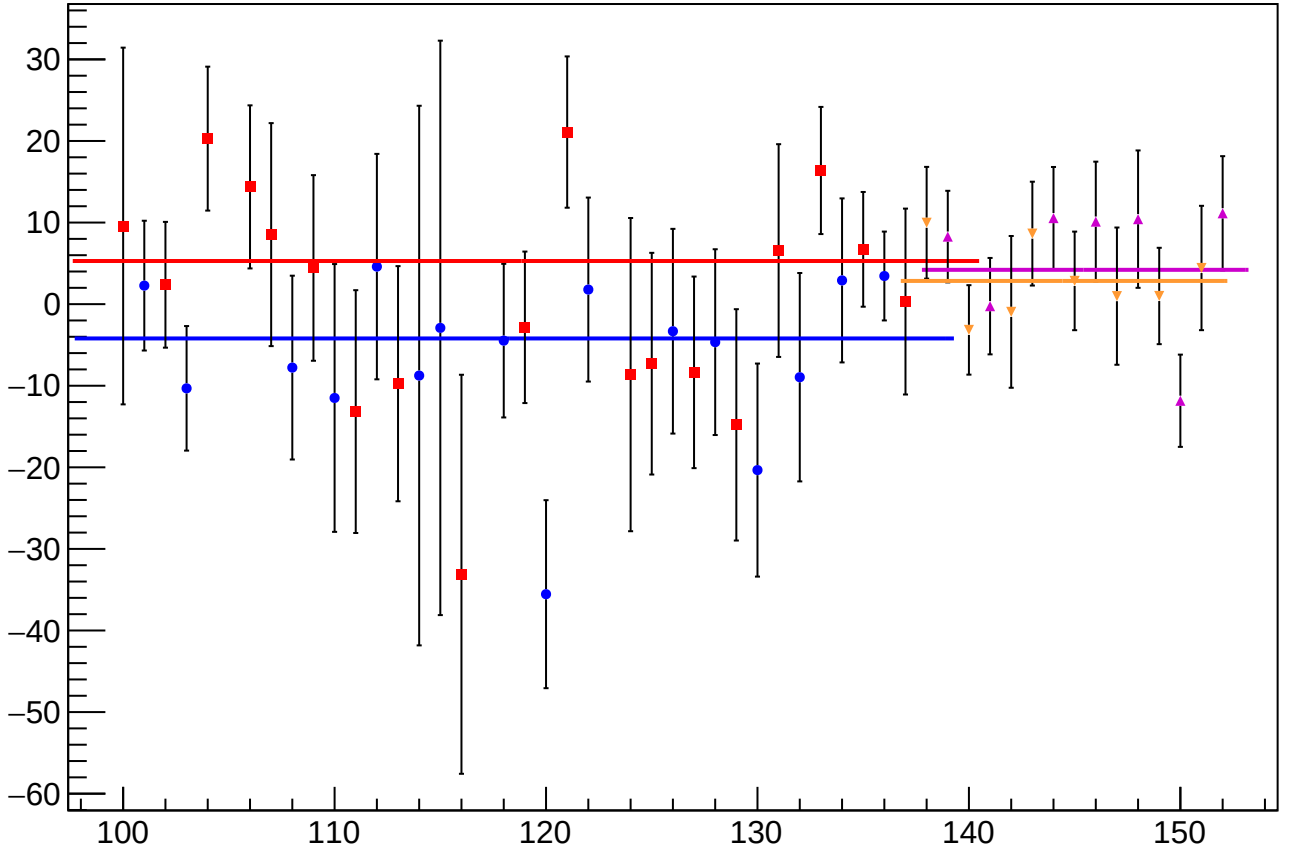
Left In: 8784.304+/-2.535 χ^2/NDF:211951.8/6

+ sign 9735.504+/-1.961 χ^2/NDF: 1922545.6/23

All: 10005.027+/-1.416 χ^2/NDF: 3735700.7/4

- sign 10298.899+/-2.047 χ^2/NDF: 1773658.1/25

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 2.845+/-2.368 χ^2/NDF:3.5/7

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

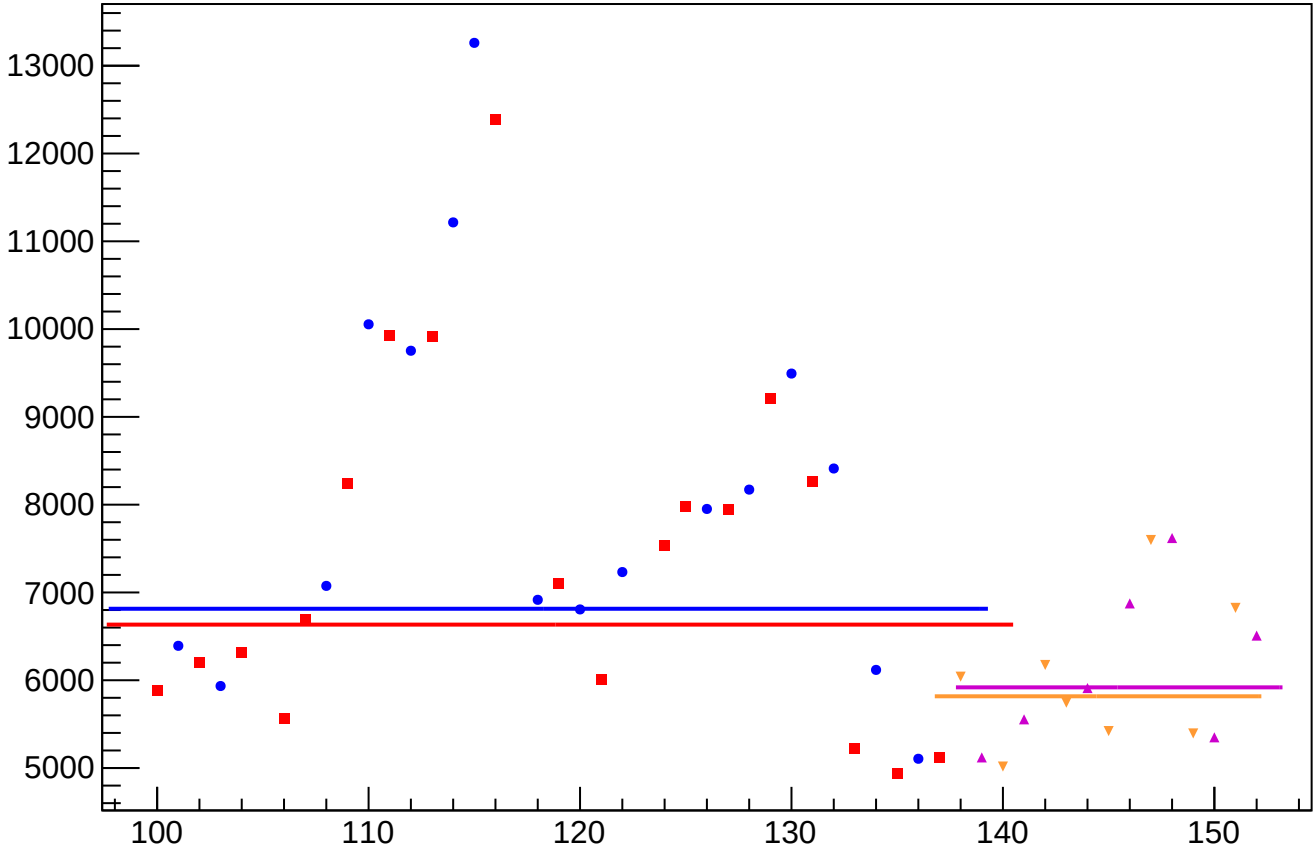
Left In: 4.207+/-2.424 χ^2/NDF:12.3/6

+ sign -0.351+/-1.751 χ^2/NDF: 21.3/23

All: 2.204+/-1.235 χ^2/NDF: 57.8/49

- sign 4.730+/-1.741 χ^2/NDF: 32.2/25

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5817.177+/-1.675 χ^2/NDF:191351.3/7

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

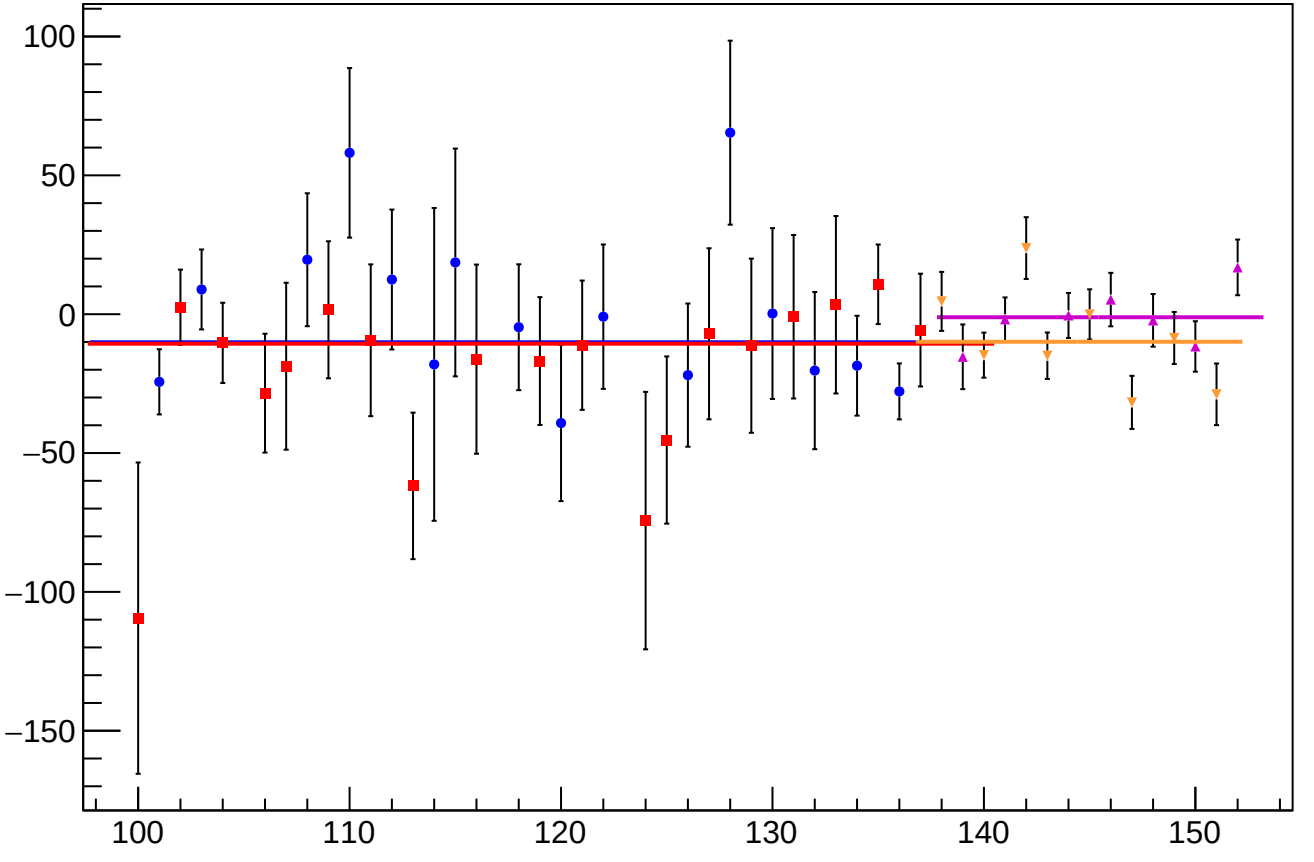
Left In: 5919.028+/-1.714 χ^2/NDF:197983.9/6

+ sign 6269.297+/-1.238 χ^2/NDF: 1026172.8/23

All: 6267.159+/-0.873 χ^2/NDF: 2071682.6/49

- sign 6265.045+/-1.231 χ^2/NDF: 1045503.9/25

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -9.925+/-3.349 χ^2/NDF:21.1/7

Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

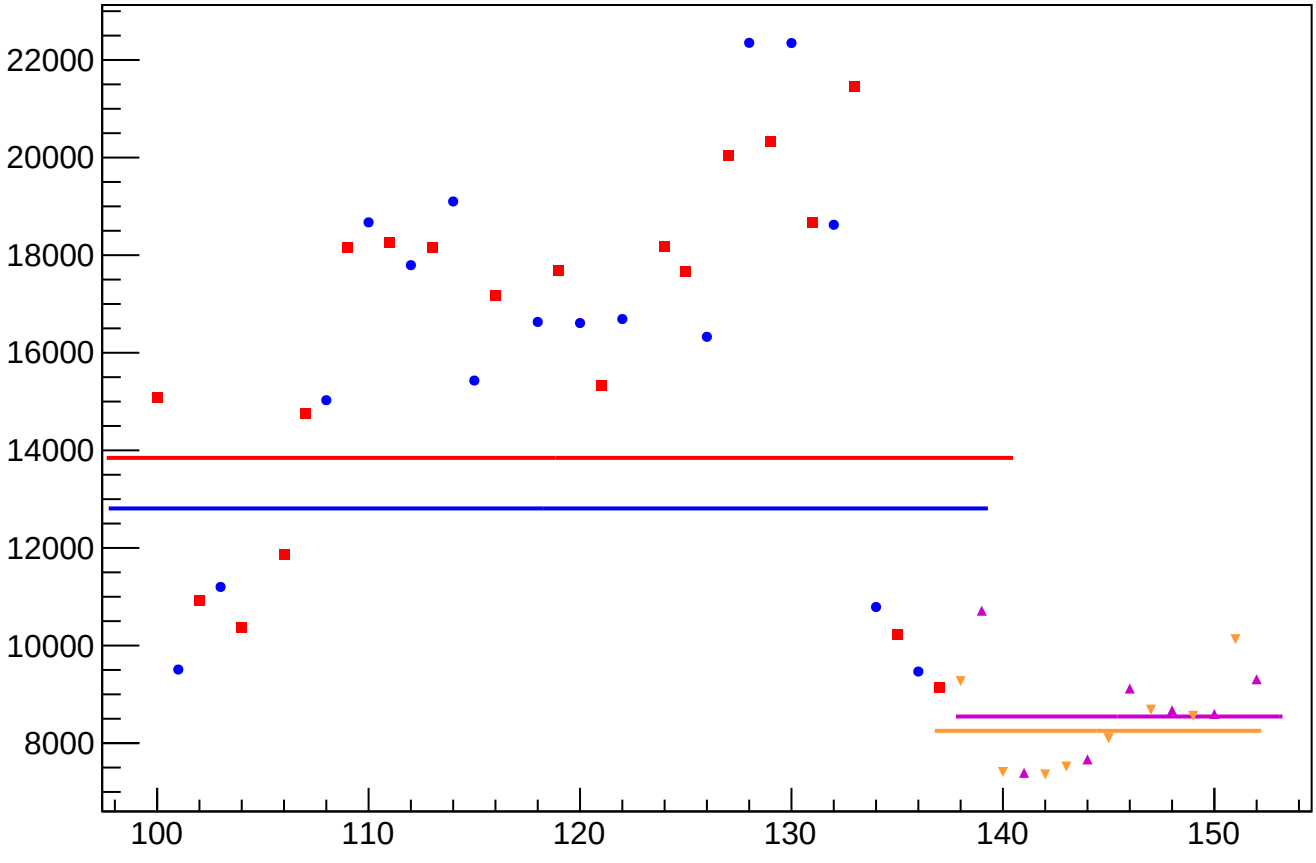
Left In: -1.096+/-3.480 χ^2/NDF:6.5/6

+ sign -9.983+/-2.785 χ^2/NDF: 42.4/23

All: -7.110+/-2.011 χ^2/NDF: 68.1/49

- sign -3.984+/-2.905 χ^2/NDF: 23.5/25

diff_bpm1X_rms vs Slug



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8252.757+/-2.368 χ^2/NDF:132466.7/7

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

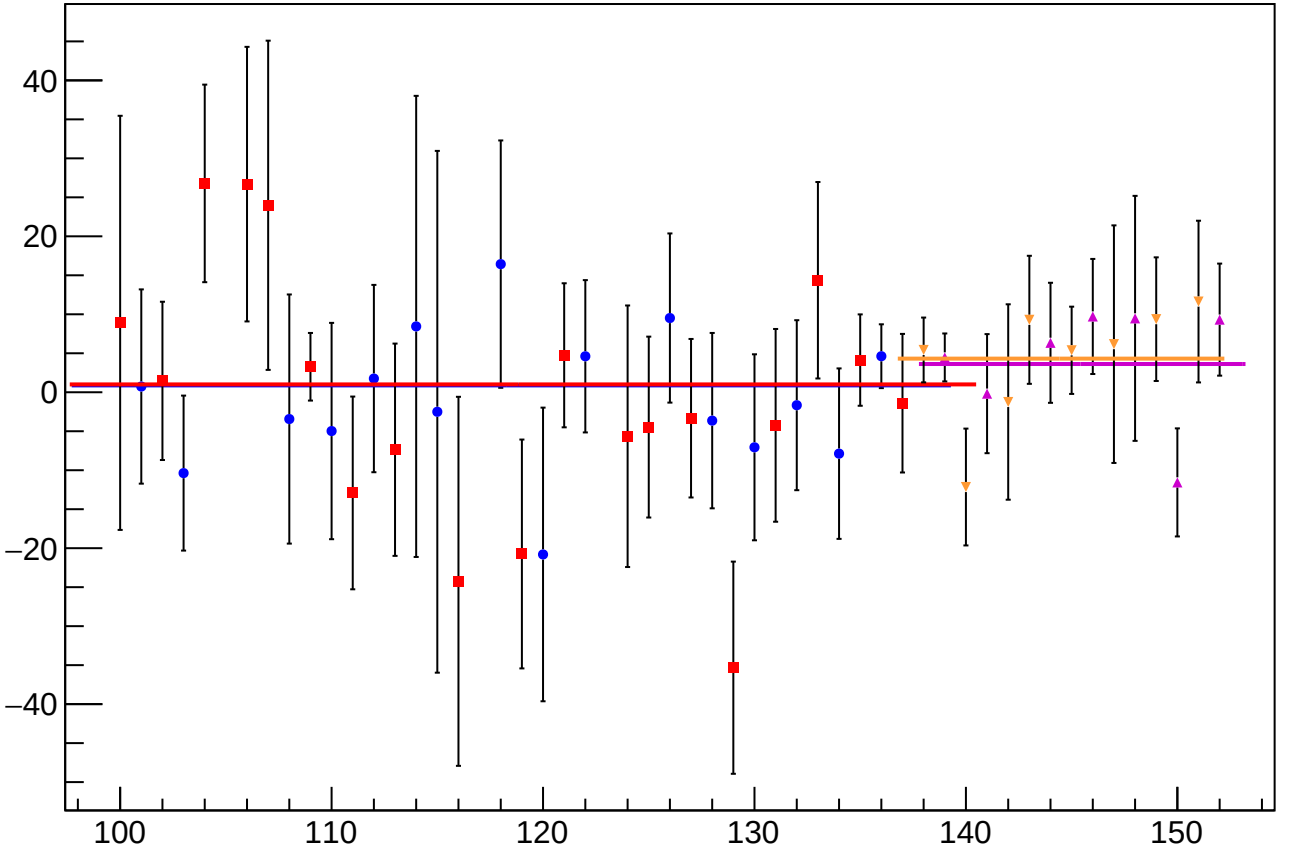
Left In: 8545.649+/-2.461 χ^2/NDF:154590.1/6

+ sign 9657.266+/-1.970 χ^2/NDF: 2522238.9/23

All: 9894.307+/-1.422 χ^2/NDF: 5209720.8/49

- sign 10152.180+/-2.054 χ^2/NDF: 2657238.5/25

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 4.313+/-2.513 χ^2/NDF:6.4/7

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

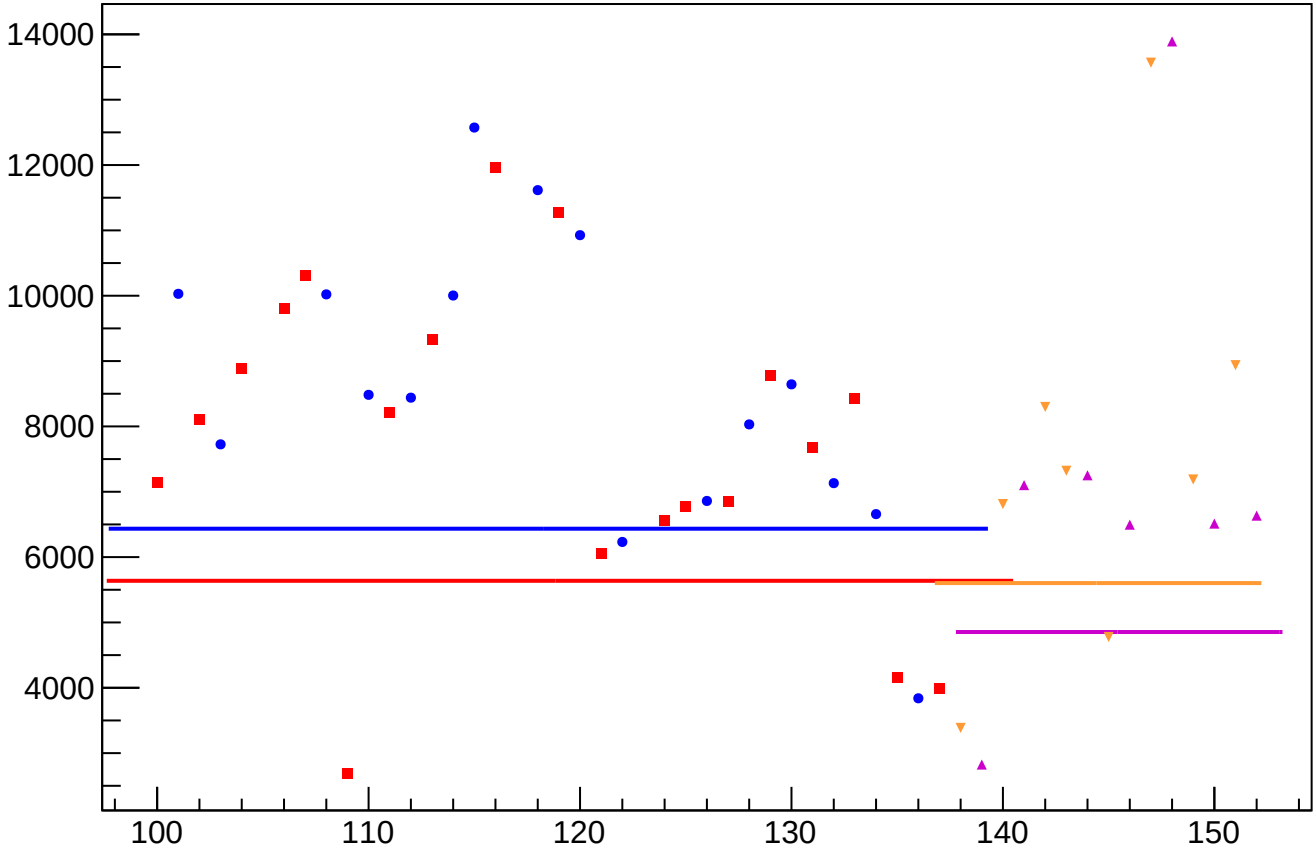
Left In: 3.622+/-2.222 χ^2/NDF:6.7/6

+ sign 2.634+/-1.795 χ^2/NDF: 14.2/23

All: 2.485+/-1.196 χ^2/NDF: 43.8/49

- sign 2.367+/-1.603 χ^2/NDF: 29.7/25

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5602.519+/-1.777 χ^2/NDF:1678119.2/7

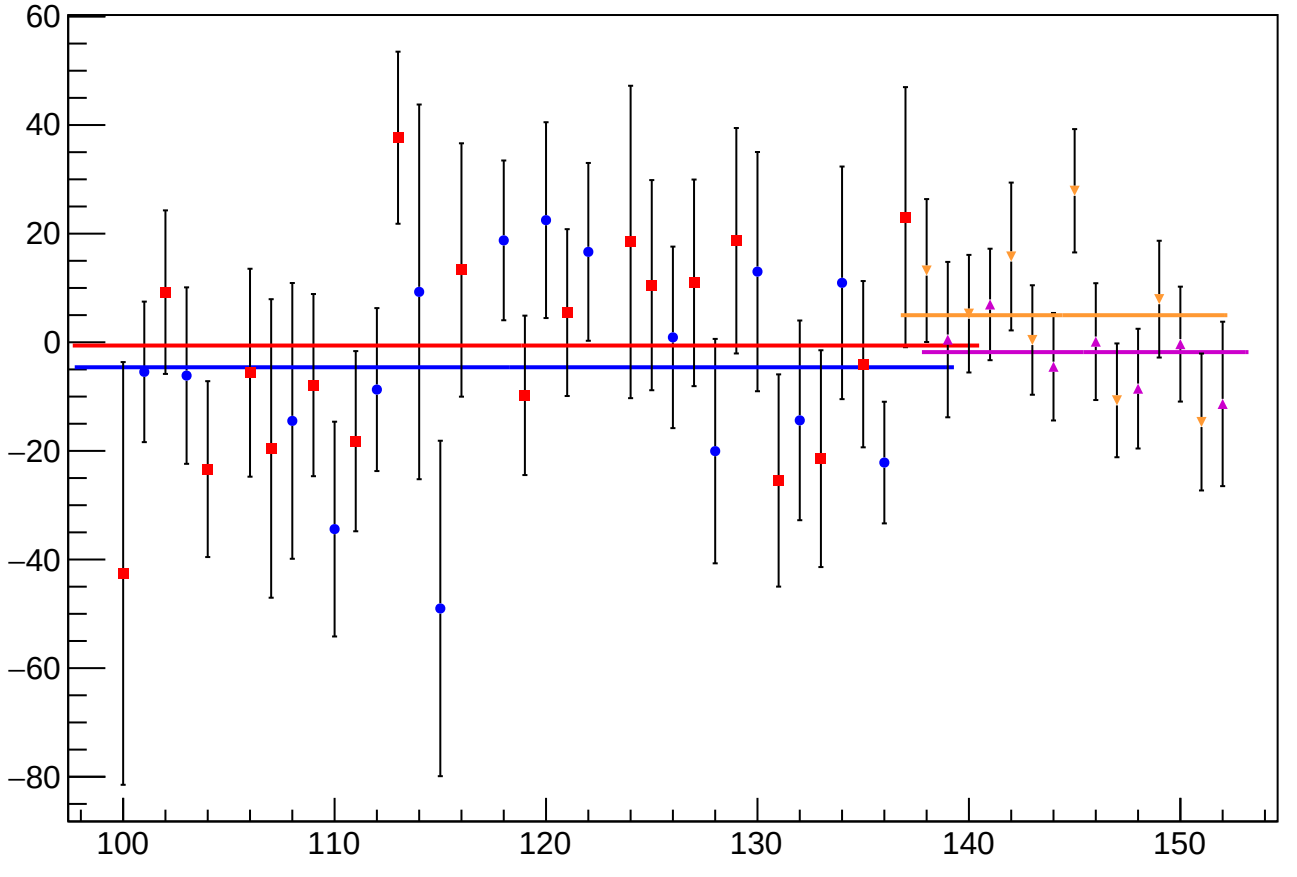
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 4853.456+/-1.571 χ^2/NDF:2237462.6/6

+ sign 6009.793+/-1.269 χ^2/NDF: 3536074.5/23

All: 5575.572+/-0.845 χ^2/NDF: 8683201.5/49

- sign 5229.528+/-1.133 χ^2/NDF: 4936892.7/25



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 4.984+/-4.037 χ^2/NDF:10.0/7

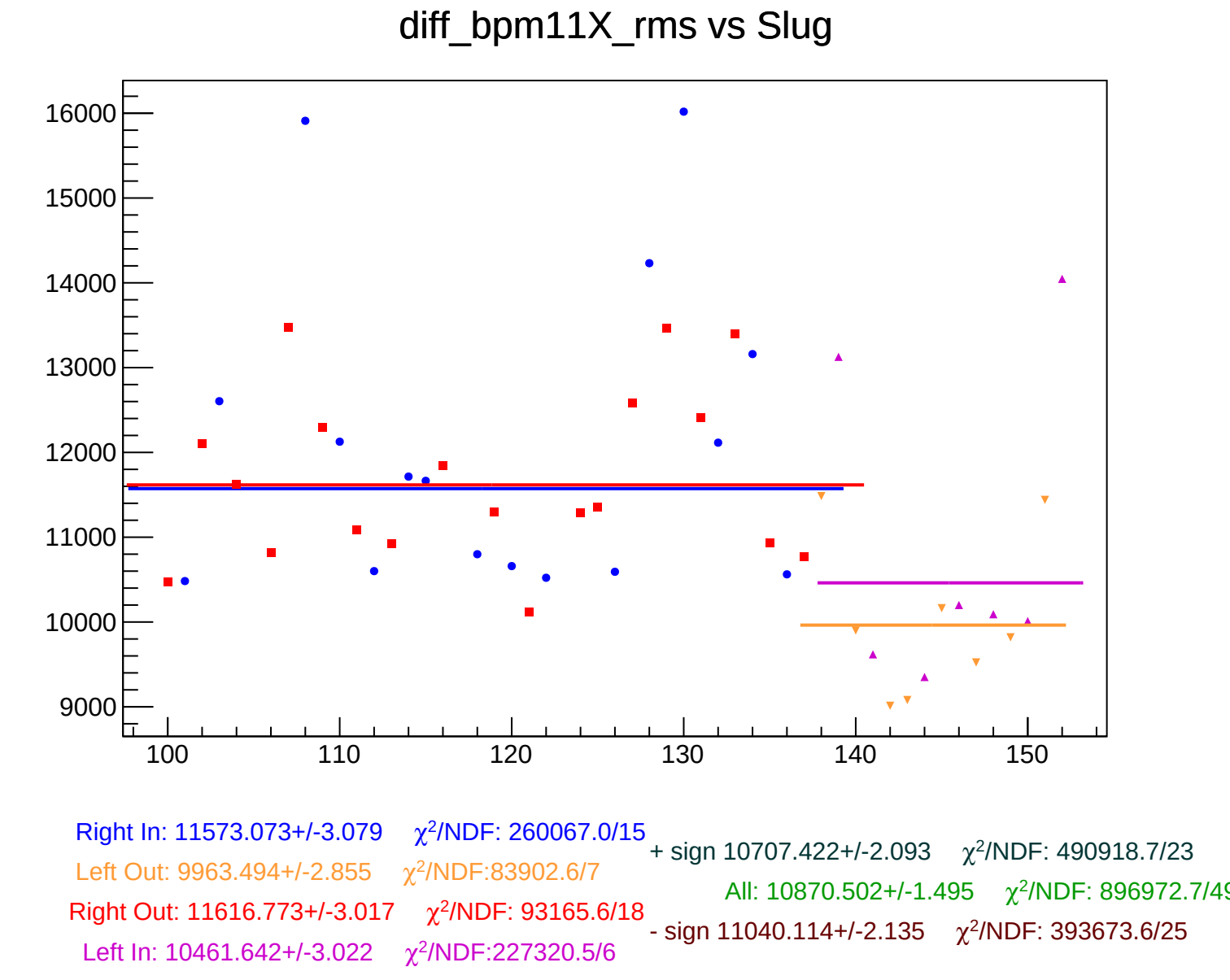
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -1.812+/-4.273 χ^2/NDF:1.7/6

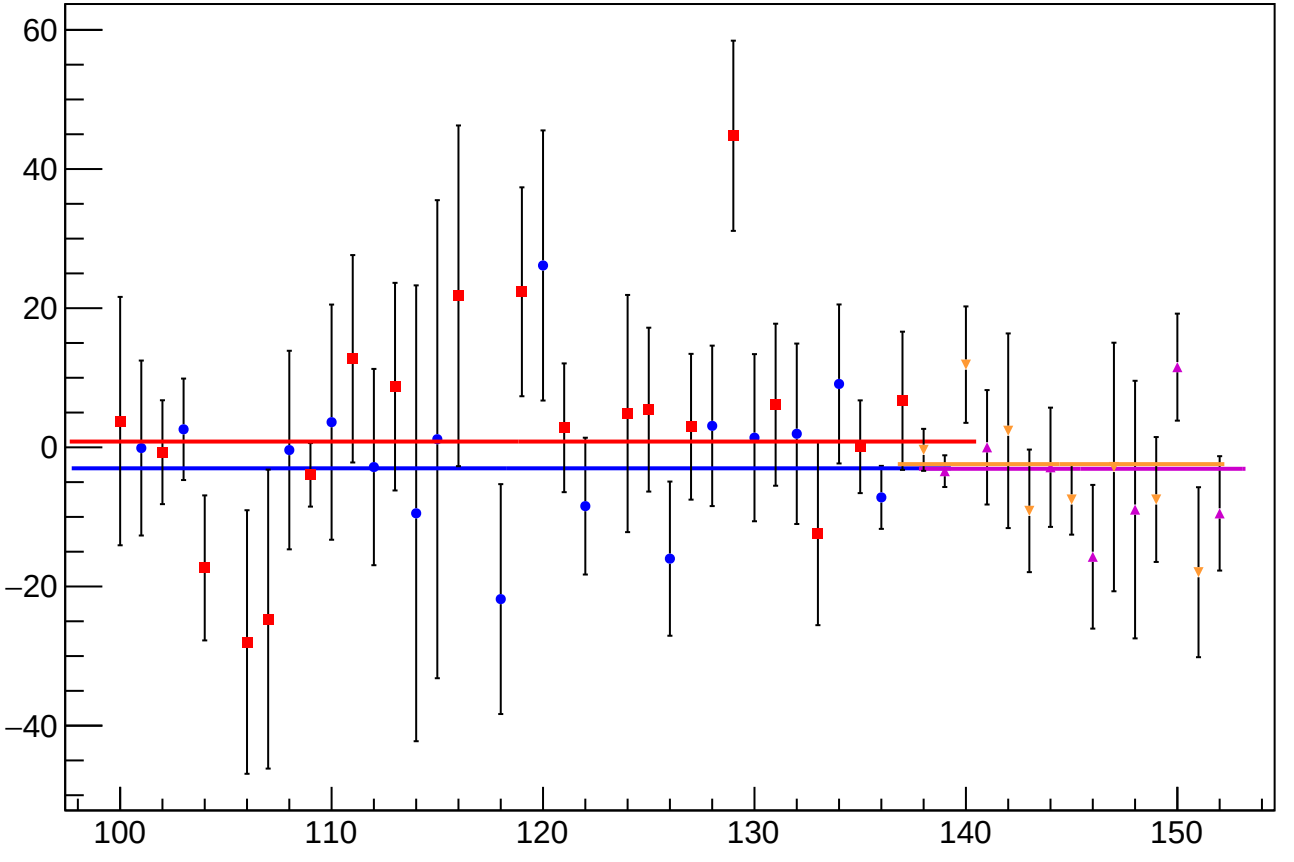
+ sign 0.554+/-2.961 χ^2/NDF: 28.4/23

All: -0.308+/-2.114 χ^2/NDF: 48.2/49

- sign -1.205+/-3.019 χ^2/NDF: 19.6/25


diff_bpm11X_rms vs Slug
16000
15000
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 9963.494+/-2.855 χ²/NDF:83902.6/7
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 10461.642+/-3.022 χ²/NDF:227320.5/6
+ sign 10707.422+/-2.093 χ²/NDF: 490918.7/23
All: 10870.502+/-1.495 χ²/NDF: 896972.7/49
- sign 11040.114+/-2.135 χ²/NDF: 393673.6/25

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -2.413+/-2.217 χ^2/NDF:7.0/7

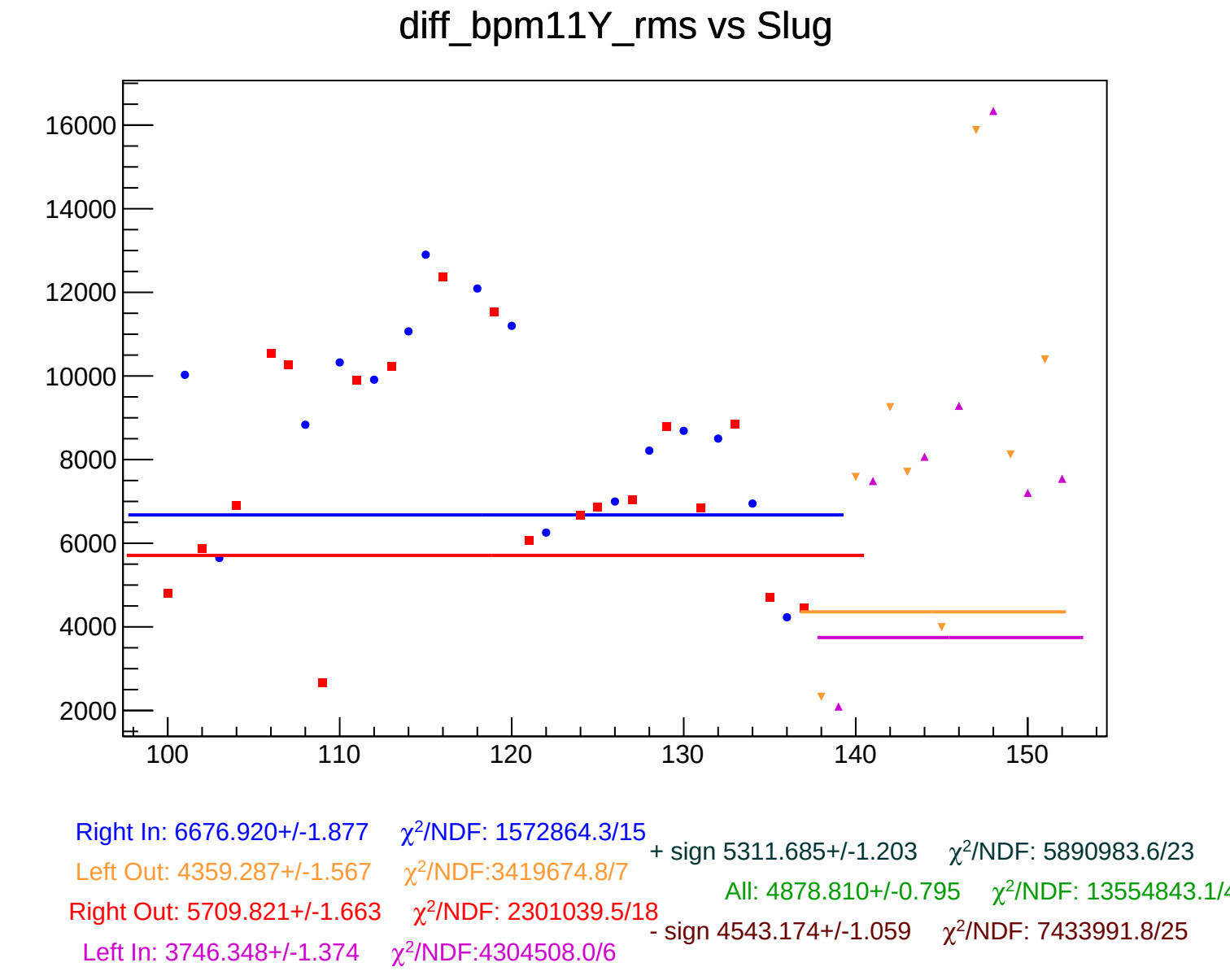
Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: -3.083+/-1.943 χ^2/NDF:6.0/6

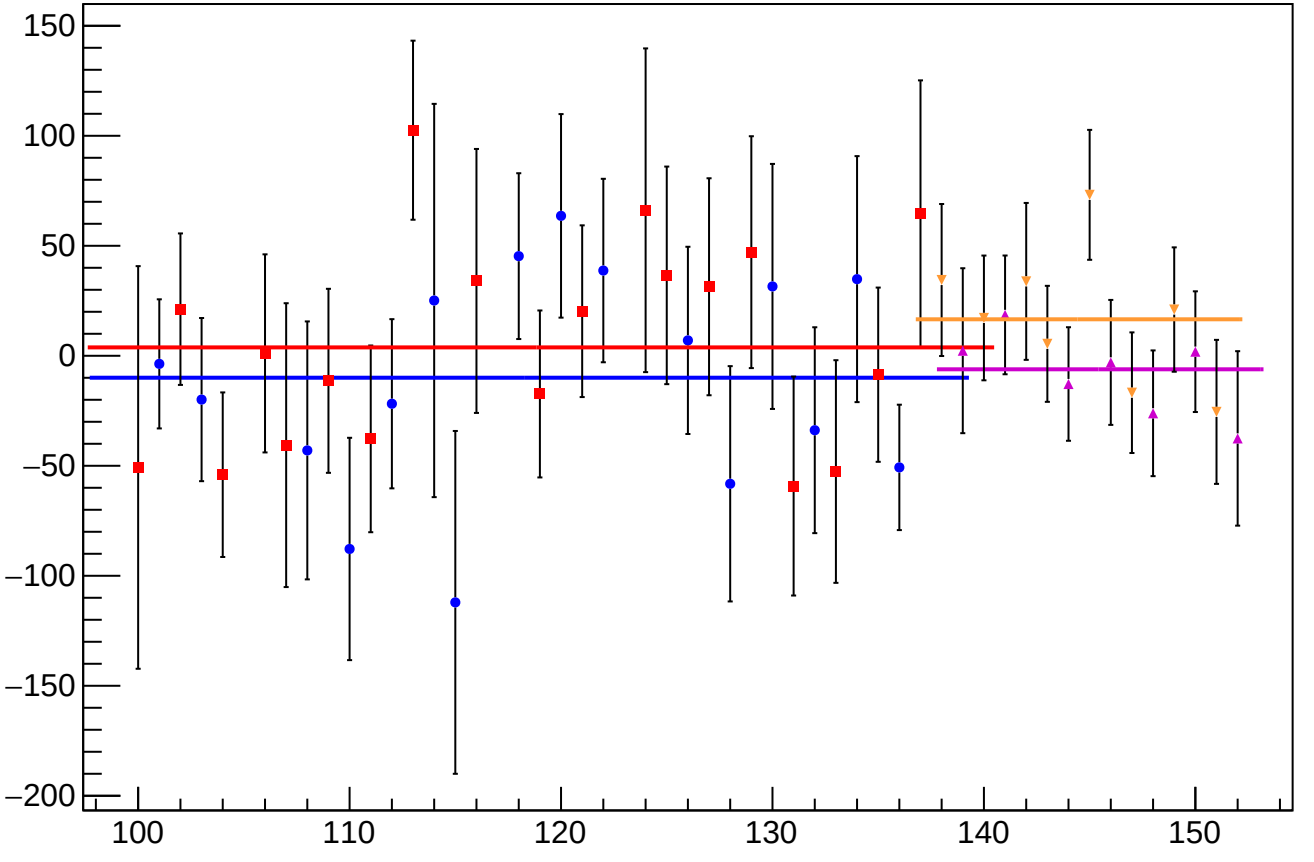
+ sign -2.660+/-1.701 χ^2/NDF: 15.7/23

All: -2.004+/-1.124 χ^2/NDF: 47.4/49

- sign -1.495+/-1.498 χ^2/NDF: 31.5/25


diff_bpm11Y_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
Right In: 6676.920+/-1.877 χ²/NDF: 1572864.3/15
Left Out: 4359.287+/-1.567 χ²/NDF:3419674.8/7
Right Out: 5709.821+/-1.663 χ²/NDF: 2301039.5/18
Left In: 3746.348+/-1.374 χ²/NDF:4304508.0/6
+ sign 5311.685+/-1.203 χ²/NDF: 5890983.6/23
All: 4878.810+/-0.795 χ²/NDF: 13554843.1/4
- sign 4543.174+/-1.059 χ²/NDF: 7433991.8/25

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 16.585+/-10.559 χ^2/NDF:7.5/7

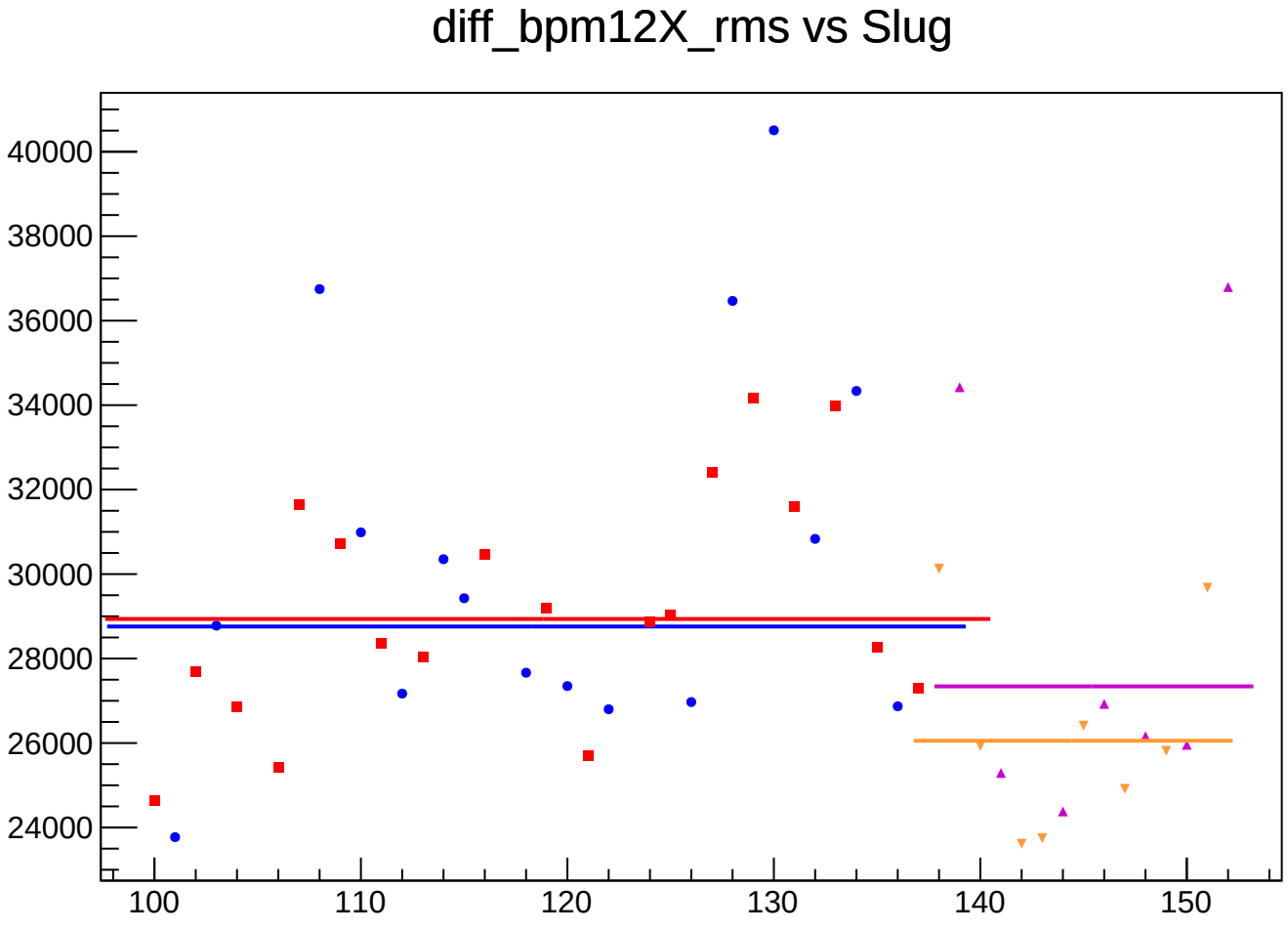
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -6.144+/-11.170 χ^2/NDF:2.2/6

\+ sign 3.652+/-7.563 χ^2/NDF: 25.9/23

All: 1.407+/-5.396 χ^2/NDF: 45.9/49

\- sign -0.922+/-7.703 χ^2/NDF: 19.9/25



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26054.212+/-7.466 χ^2/NDF:80901.4/7

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

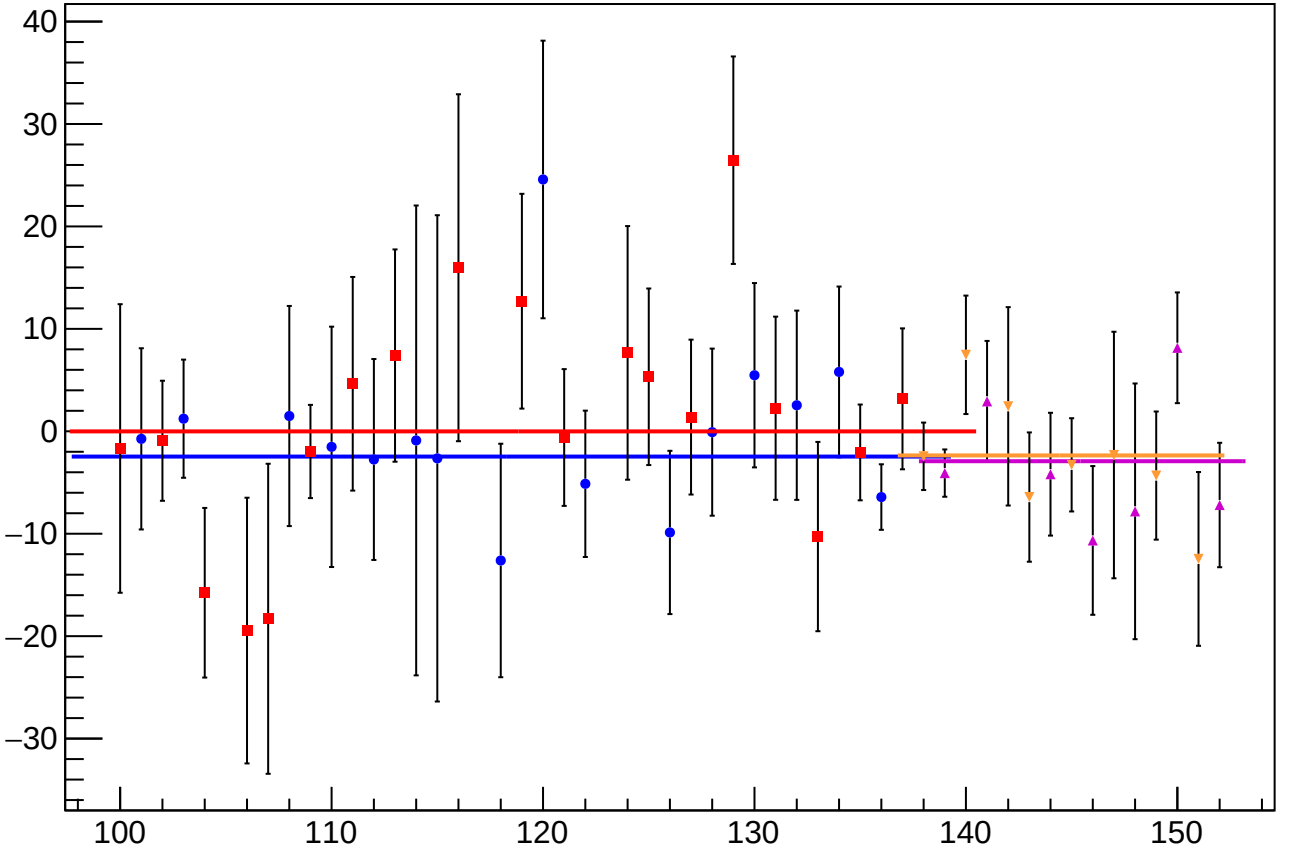
Left In: 27342.019+/-7.898 χ^2/NDF:231846.7/6

+ sign 27371.621+/-5.348 χ^2/NDF: 422461.9/23

All: 27767.823+/-3.816 χ^2/NDF: 793163.3/49

- sign 28178.846+/-5.447 χ^2/NDF: 359517.1/25

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -2.356+/-1.990 χ^2/NDF:5.1/7

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

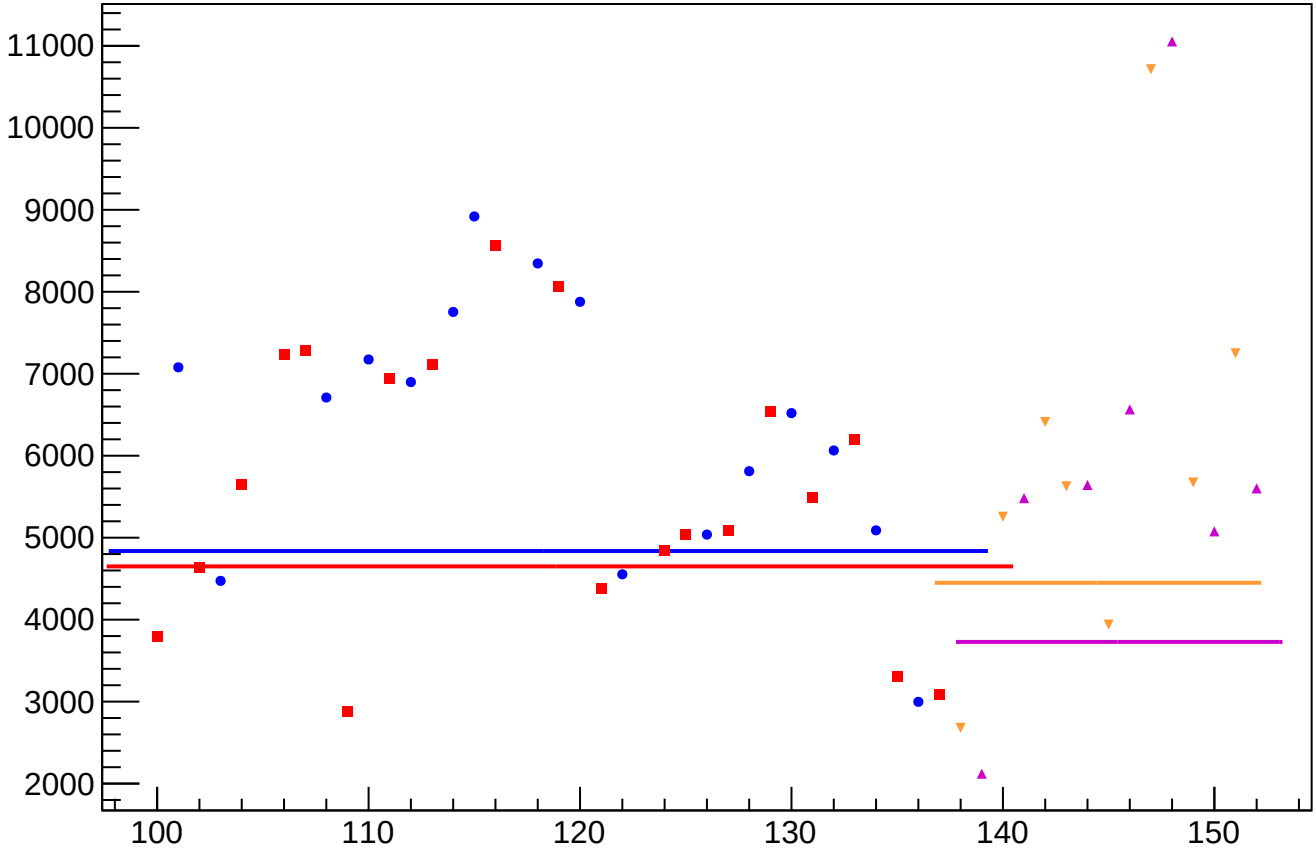
Left In: -2.921+/-1.738 χ^2/NDF:7.3/6

+ sign -2.414+/-1.380 χ^2/NDF: 15.2/23

All: -1.936+/-0.930 χ^2/NDF: 43.9/49

- sign -1.538+/-1.260 χ^2/NDF: 28.6/25

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4450.218+/-1.407 χ^2/NDF:1629897.9/7

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

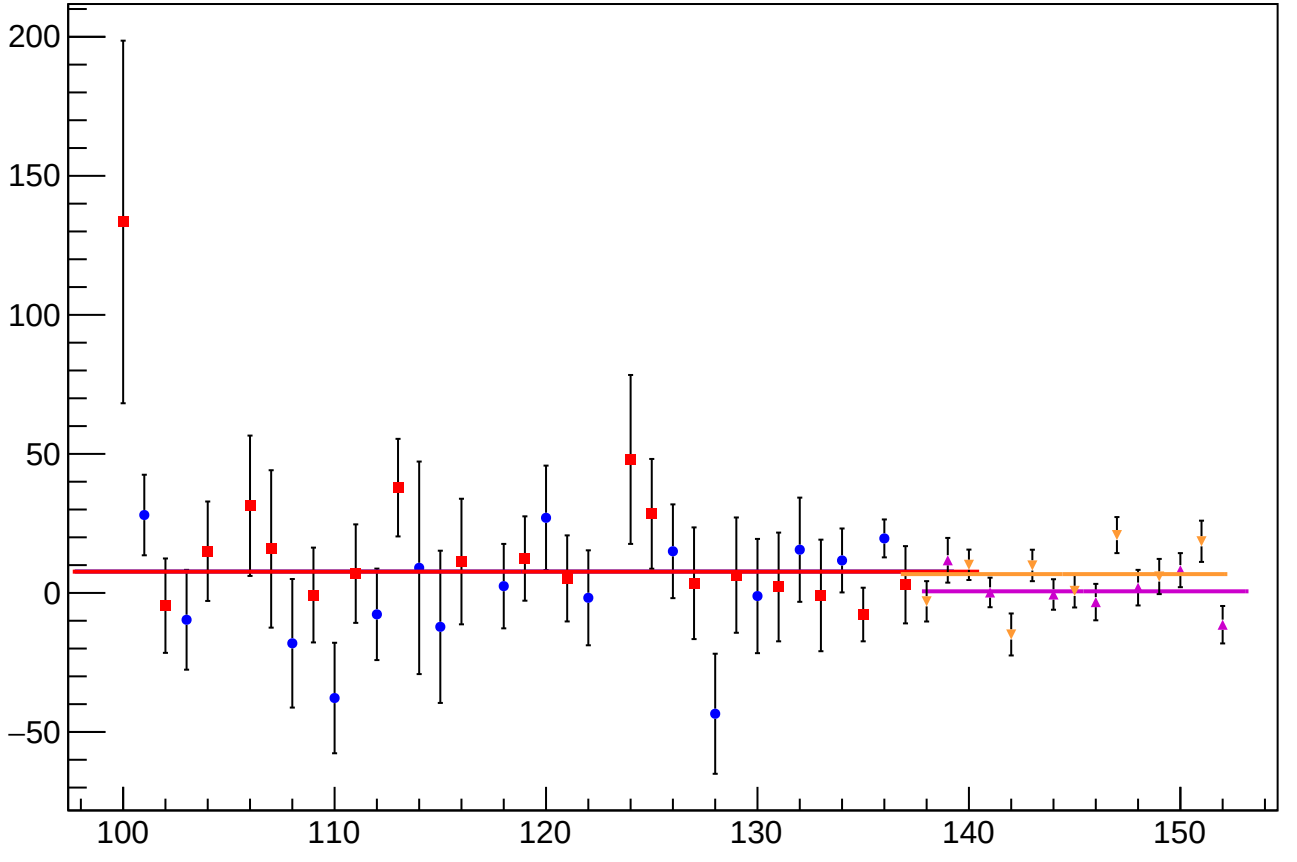
Left In: 3728.397+/-1.229 χ^2/NDF:2659448.7/6

+ sign 4651.044+/-0.976 χ^2/NDF: 3216919.2/23

All: 4386.385+/-0.658 χ^2/NDF: 7712460.3/49

- sign 4165.845+/-0.891 χ^2/NDF: 4360690.2/25

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.768+/-2.257 χ^2/NDF:19.0/7

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

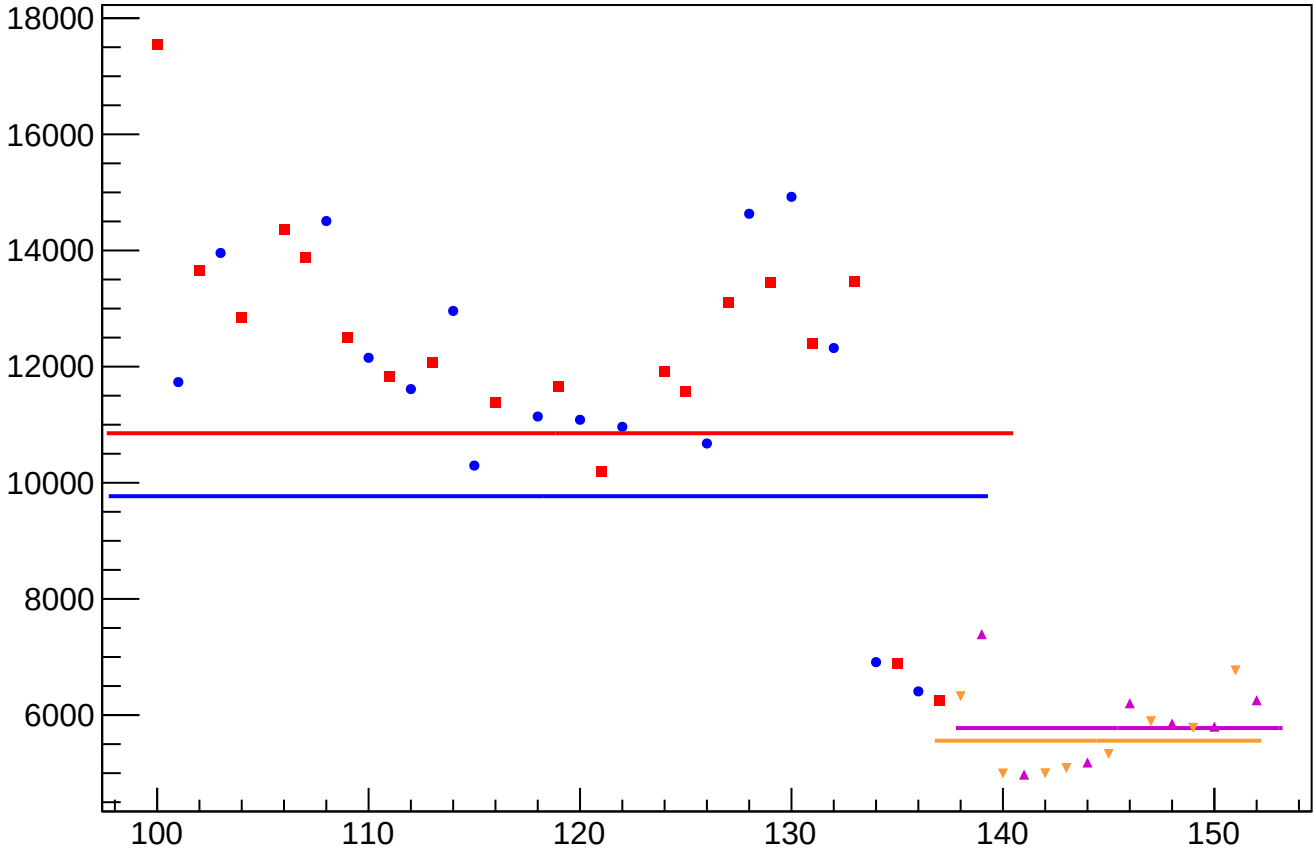
Left In: 0.581+/-2.354 χ^2/NDF:7.1/6

+ sign 7.009+/-1.943 χ^2/NDF: 40.7/23

All: 4.786+/-1.407 χ^2/NDF: 67.3/49

- sign 2.334+/-2.041 χ^2/NDF: 23.9/25

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5558.805+/-1.596 χ^2/NDF:132606.5/7

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

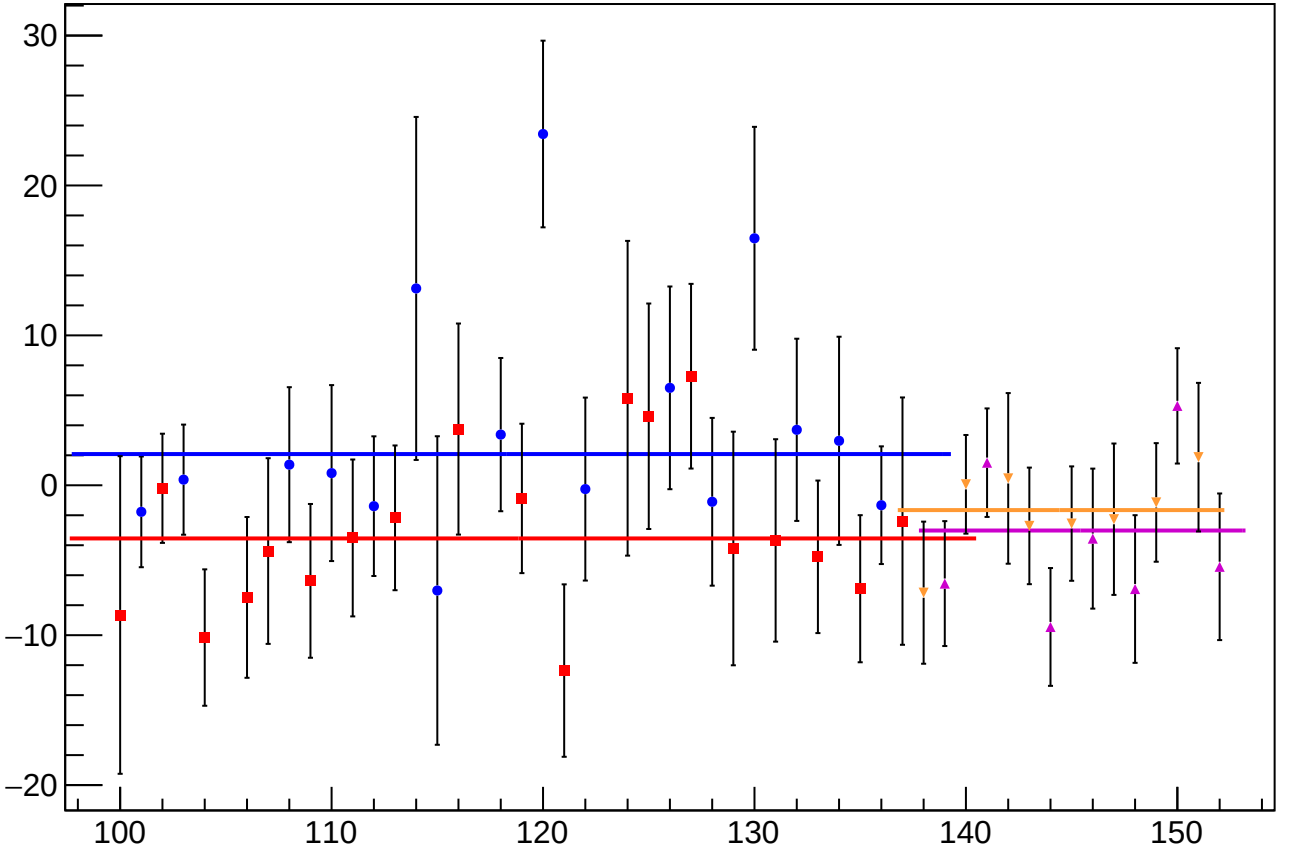
Left In: 5776.698+/-1.664 χ^2/NDF:168642.2/6

+ sign 6648.027+/-1.374 χ^2/NDF: 3147212.9/23

All: 6832.125+/-0.995 χ^2/NDF: 6534736.4/49

- sign 7035.305+/-1.443 χ^2/NDF: 3349749.9/25

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -1.656+/-1.497 χ^2/NDF:2.4/7

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

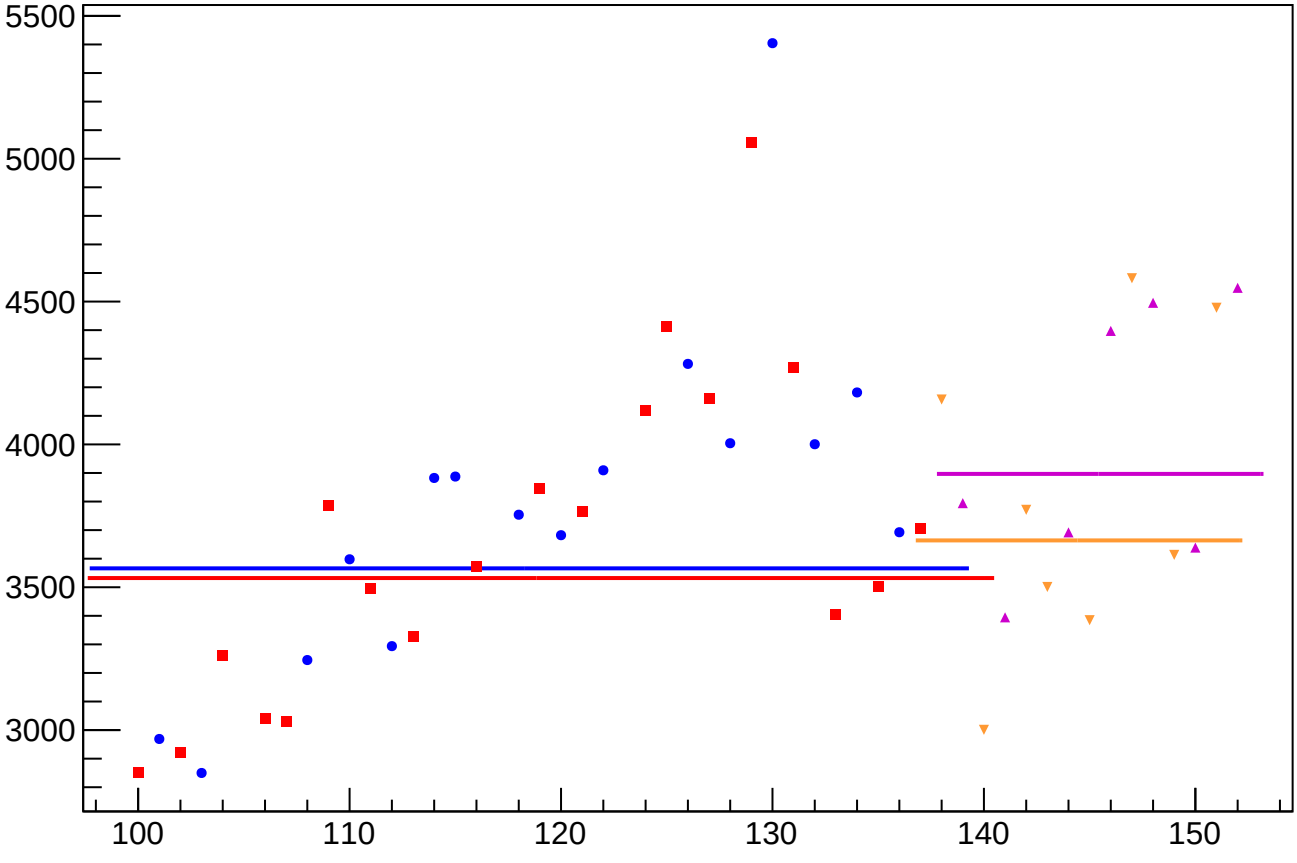
Left In: -3.018+/-1.591 χ^2/NDF:10.5/6

+ sign 0.412+/-1.001 χ^2/NDF: 26.8/23

All: -1.446+/-0.710 χ^2/NDF: 57.8/49

- sign -3.334+/-1.009 χ^2/NDF: 24.0/25

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3663.953+/-1.058 χ^2/NDF:238199.9/7

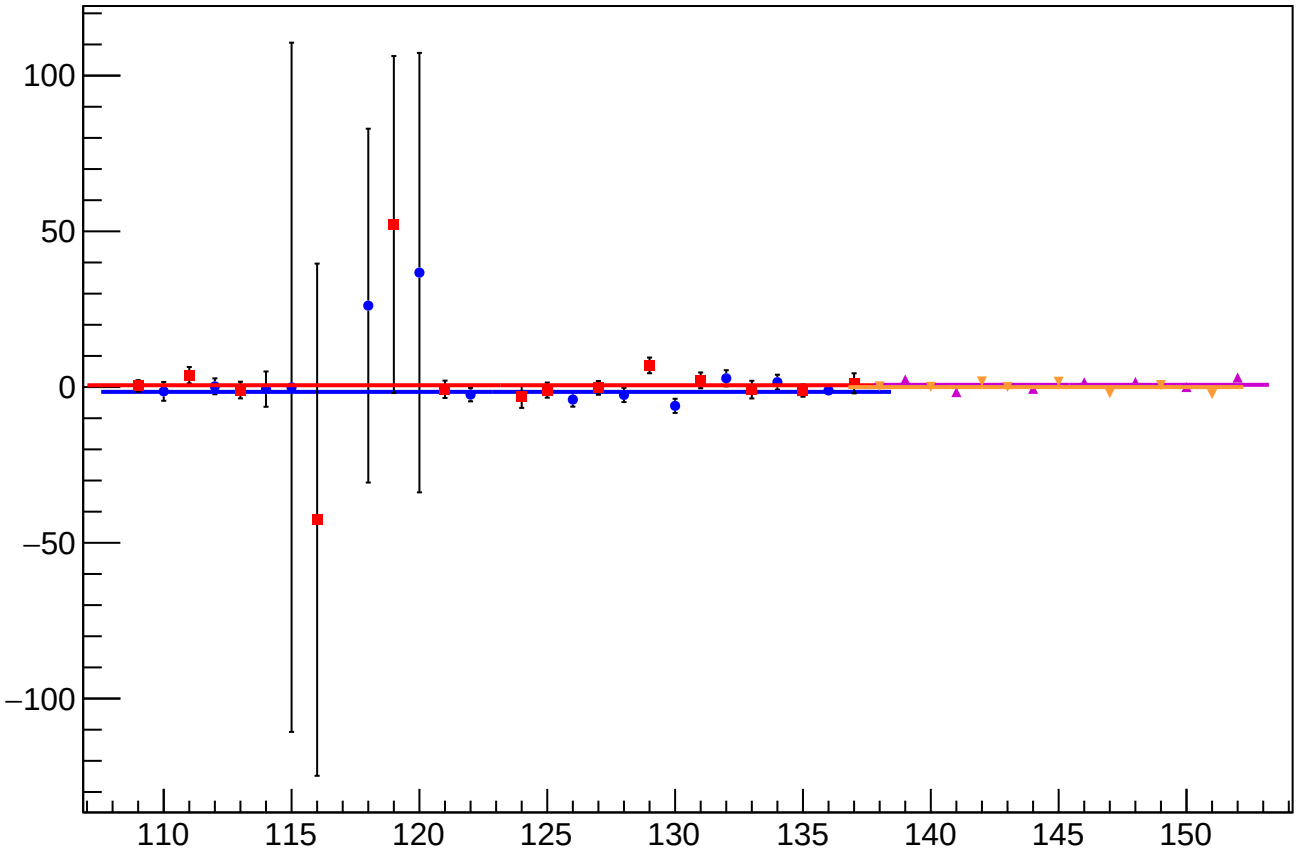
Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 3896.753+/-1.125 χ^2/NDF:142145.3/6

+ sign 3609.856+/-0.707 χ^2/NDF: 584029.1/23

All: 3644.017+/-0.502 χ^2/NDF: 1072385.6/49

- sign 3678.728+/-0.713 χ^2/NDF: 483656.2/25



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.010+/-0.410 χ^2/NDF:11.1/7

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

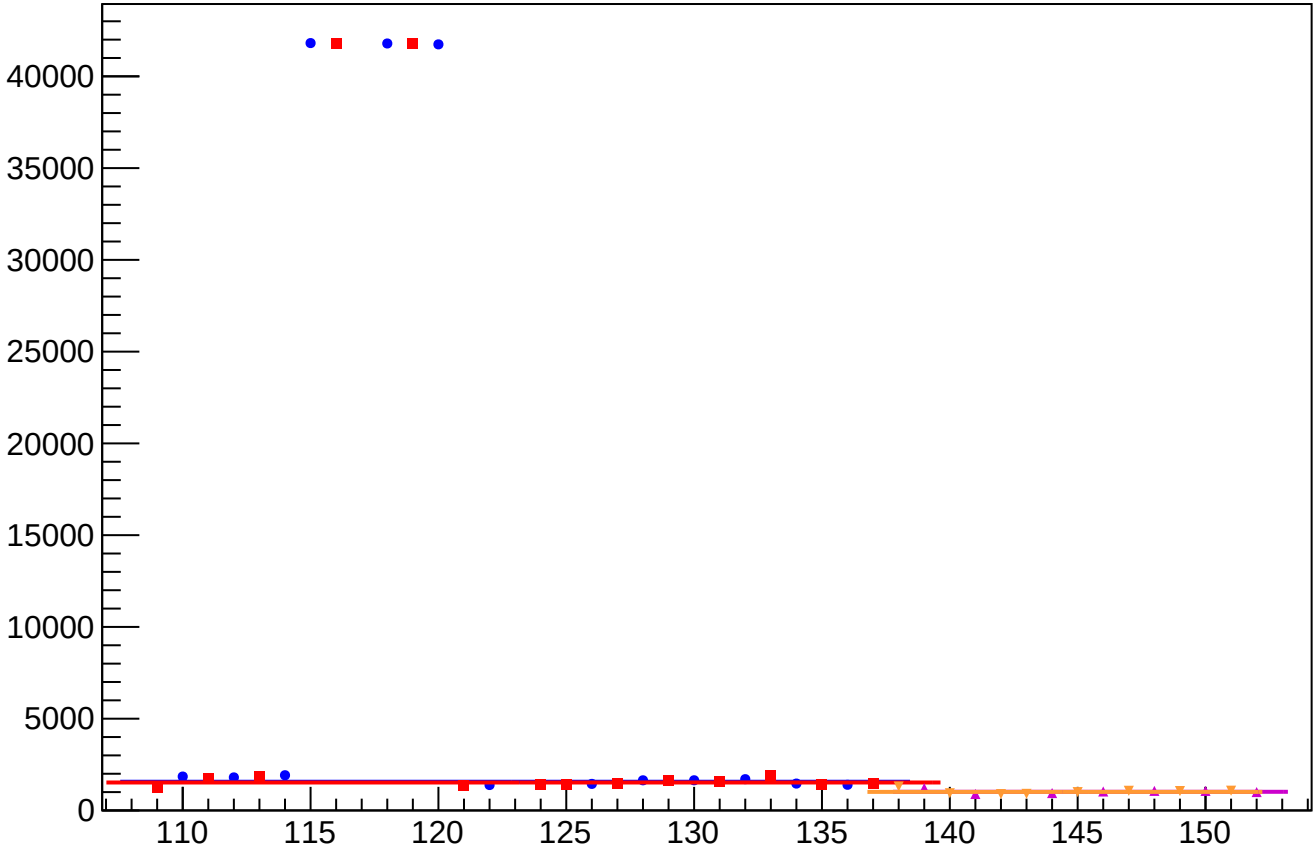
Left In: 0.727+/-0.413 χ^2/NDF:15.5/6

+ sign -0.374+/-0.358 χ^2/NDF: 25.5/20

All: 0.159+/-0.253 χ^2/NDF: 58.1/41

- sign 0.692+/-0.358 χ^2/NDF: 28.2/20

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1011.168+/-0.290 χ^2/NDF:140774.4/7

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

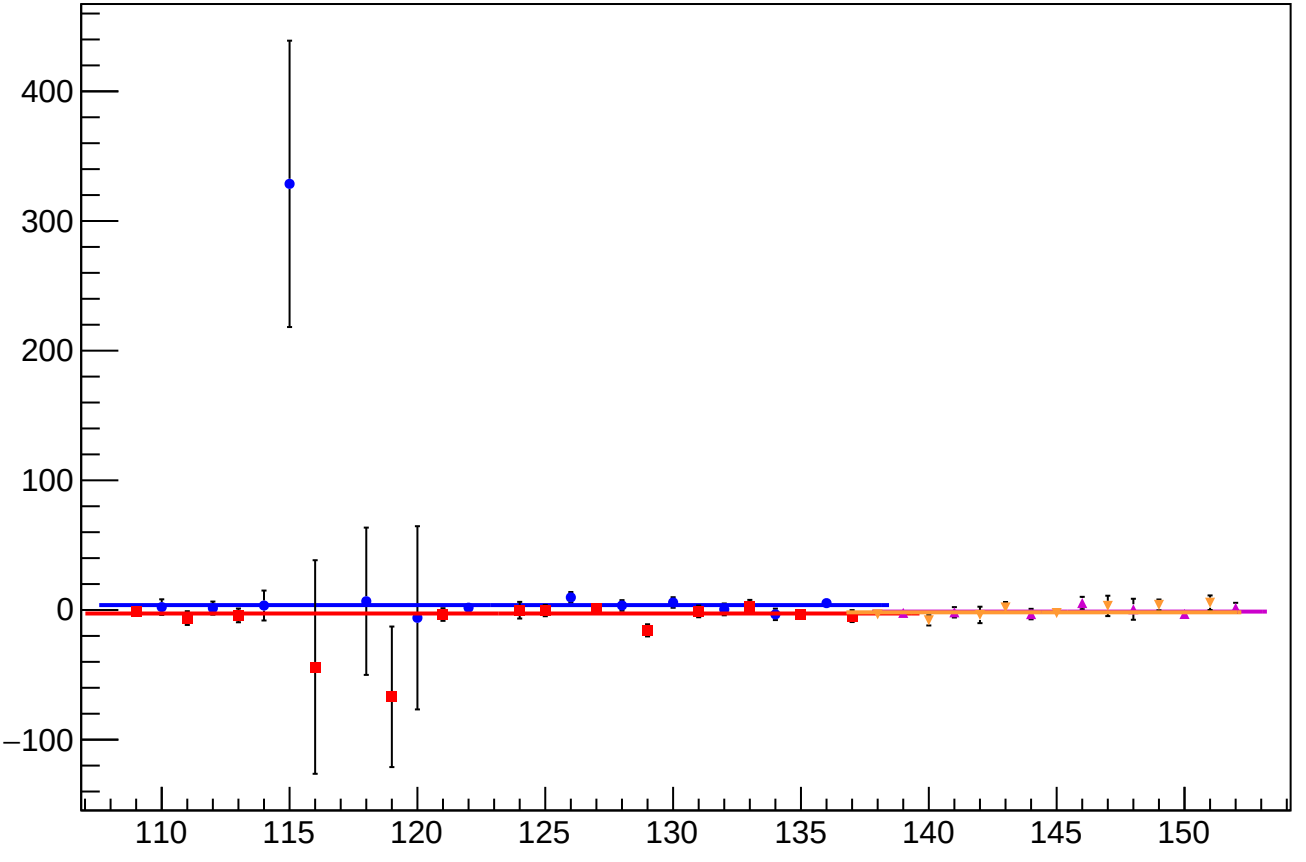
Left In: 1016.338+/-0.292 χ^2/NDF:93491.0/6

+ sign 1142.996+/-0.253 χ^2/NDF: 3025922.3/20

All: 1142.909+/-0.179 χ^2/NDF: 5610582.4/41

- sign 1142.821+/-0.253 χ^2/NDF: 2584659.9/20

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.801+/-1.334 χ^2/NDF:7.9/7

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

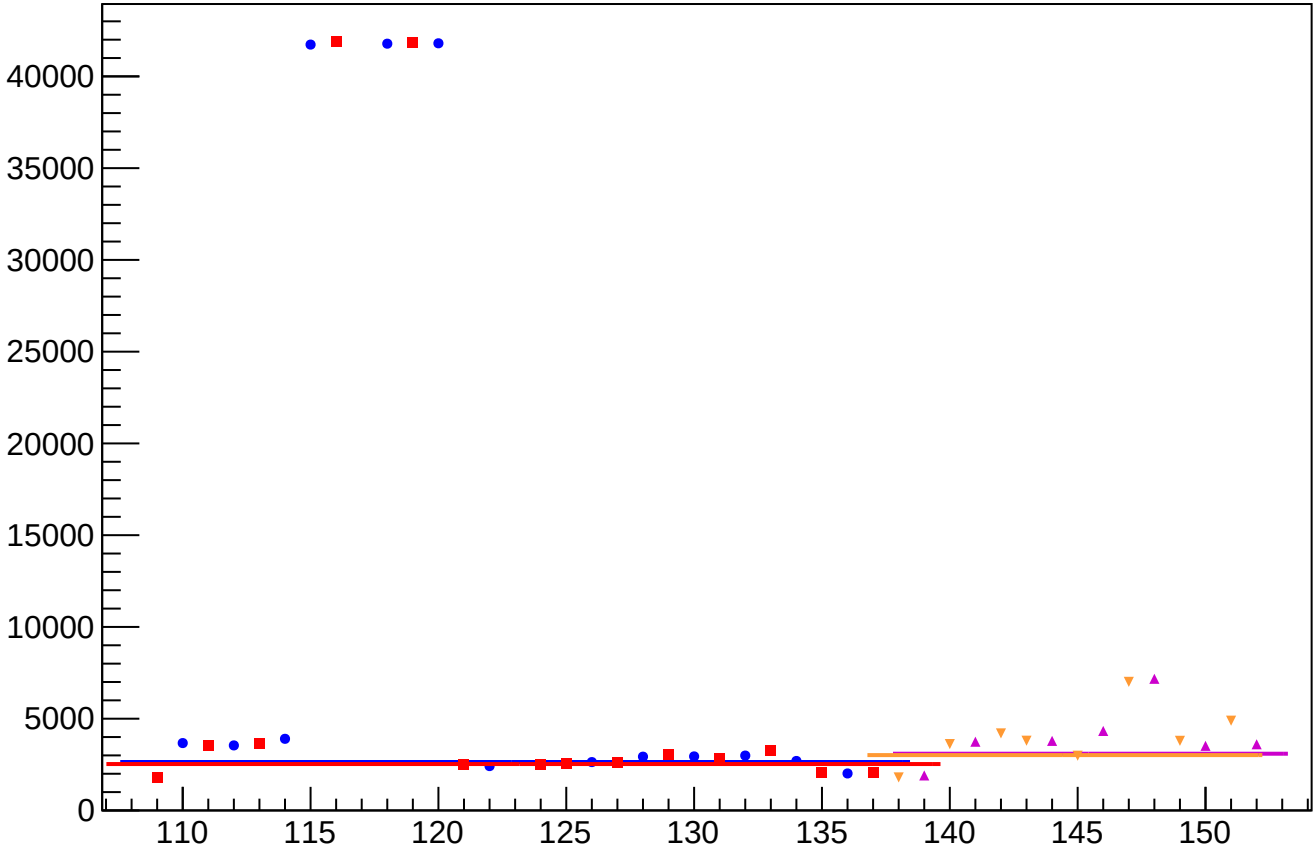
Left In: -1.238+/-1.356 χ^2/NDF:3.2/6

+ sign 1.172+/-0.911 χ^2/NDF: 32.4/20

All: -0.457+/-0.642 χ^2/NDF: 56.2/41

- sign -2.057+/-0.903 χ^2/NDF: 17.5/20

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3016.419+/-0.943 χ^2/NDF:1663829.1/7

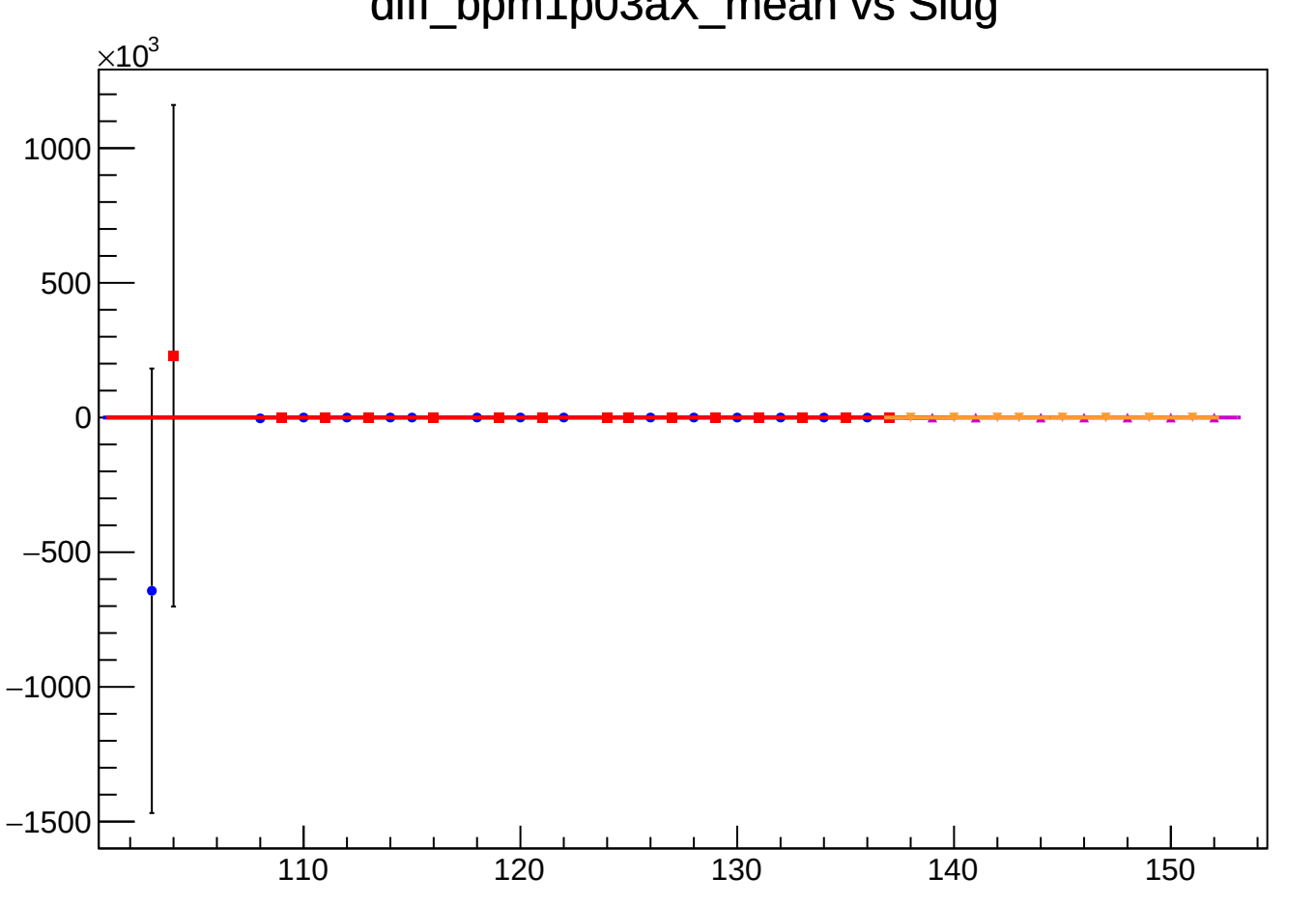
Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3091.595+/-0.959 χ^2/NDF:1445021.5/6

+ sign 2815.744+/-0.644 χ^2/NDF: 3922167.4/20

All: 2796.966+/-0.454 χ^2/NDF: 7510246.4/41

- sign 2778.518+/-0.639 χ^2/NDF: 3586395.9/20



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.487+/-0.626 χ^2/NDF:18.2/7

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

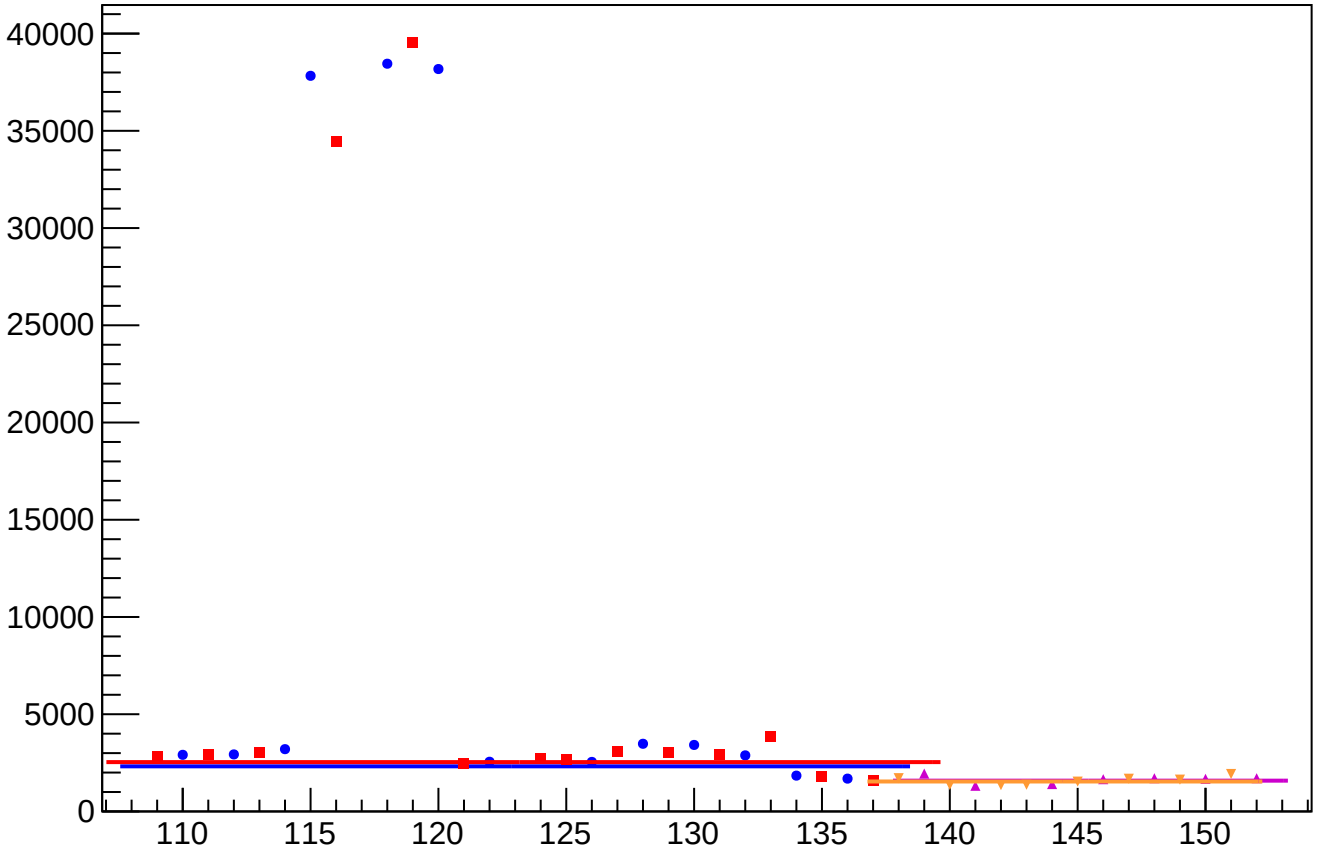
Left In: -0.091+/-0.646 χ^2/NDF:10.6/6

+ sign -1.423+/-0.547 χ^2/NDF: 37.1/22

All: -1.059+/-0.395 χ^2/NDF: 66.6/44

- sign -0.663+/-0.570 χ^2/NDF: 28.6/21

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1541.094+/-0.442 χ^2/NDF:170065.9/7

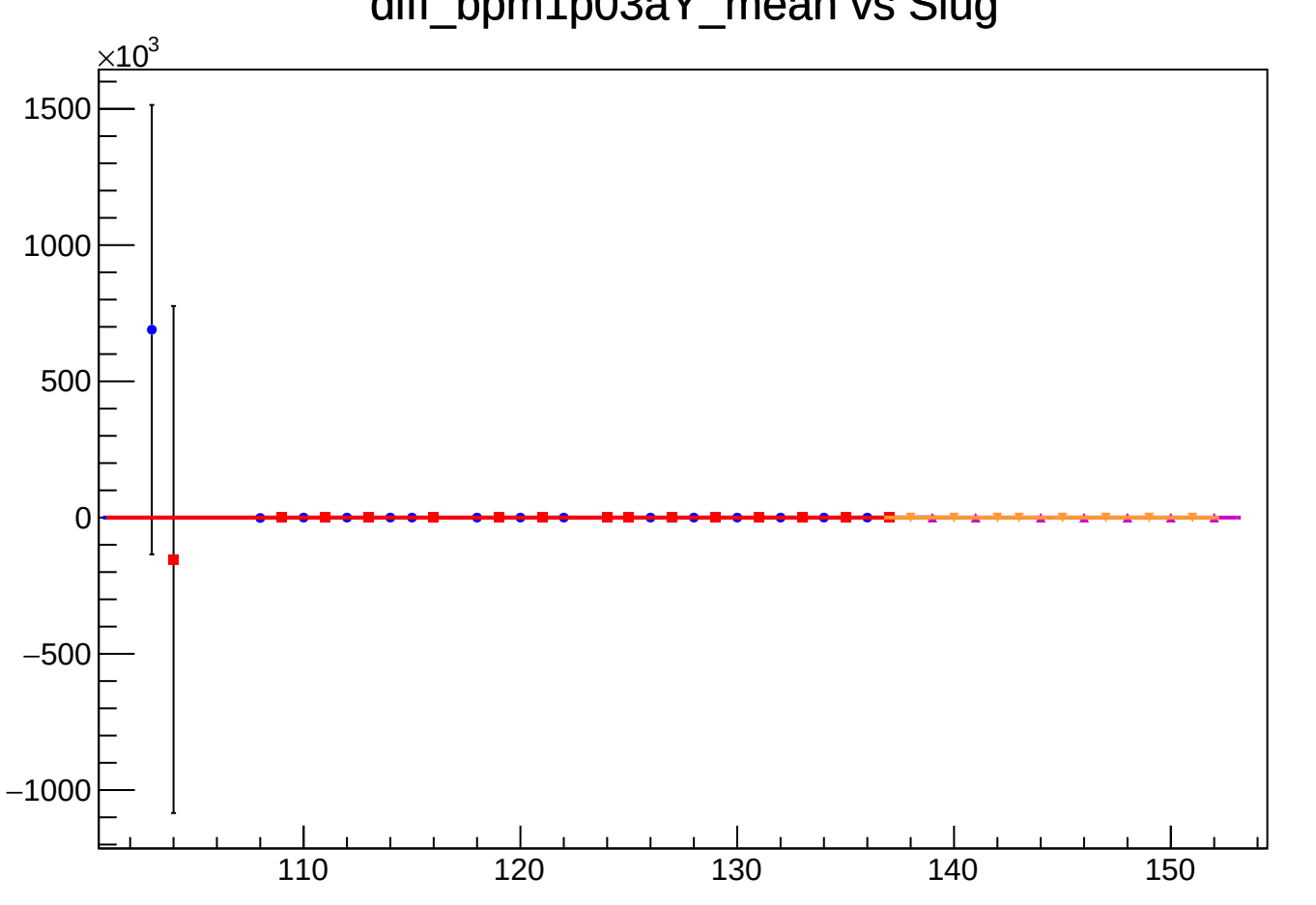
Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1583.771+/-0.457 χ^2/NDF:183139.2/6

+ sign 1725.145+/-0.387 χ^2/NDF: 3364308.7/20

All: 1758.692+/-0.279 χ^2/NDF: 6566905.0/41

- sign 1795.161+/-0.403 χ^2/NDF: 3186886.9/20



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.623+/-0.899 χ^2/NDF:10.4/7

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

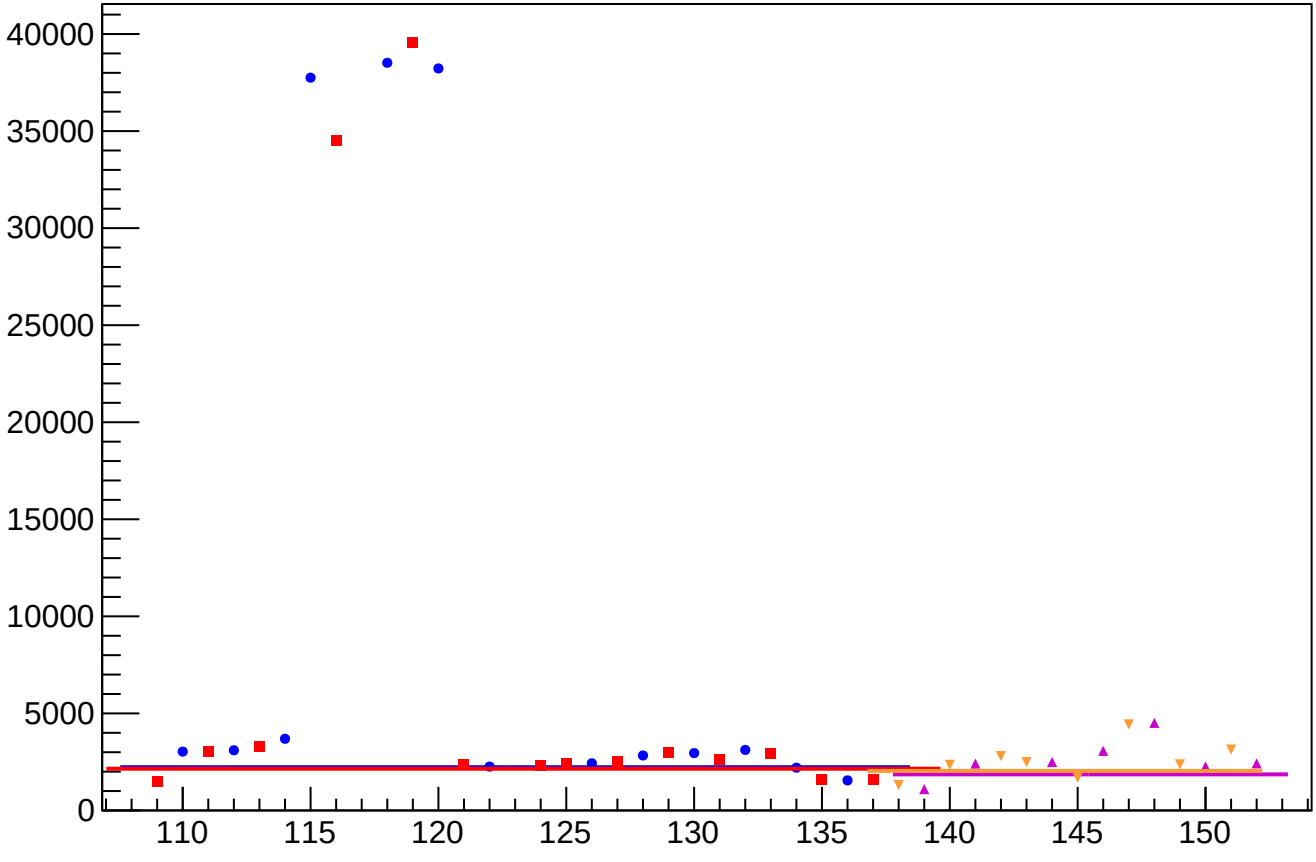
Left In: 0.410+/-0.836 χ^2/NDF:3.0/6

+ sign 0.334+/-0.690 χ^2/NDF: 18.2/22

All: -0.096+/-0.475 χ^2/NDF: 40.2/44

- sign -0.482+/-0.655 χ^2/NDF: 21.3/21

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2036.412+/-0.635 χ^2/NDF:1308009.4/7

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

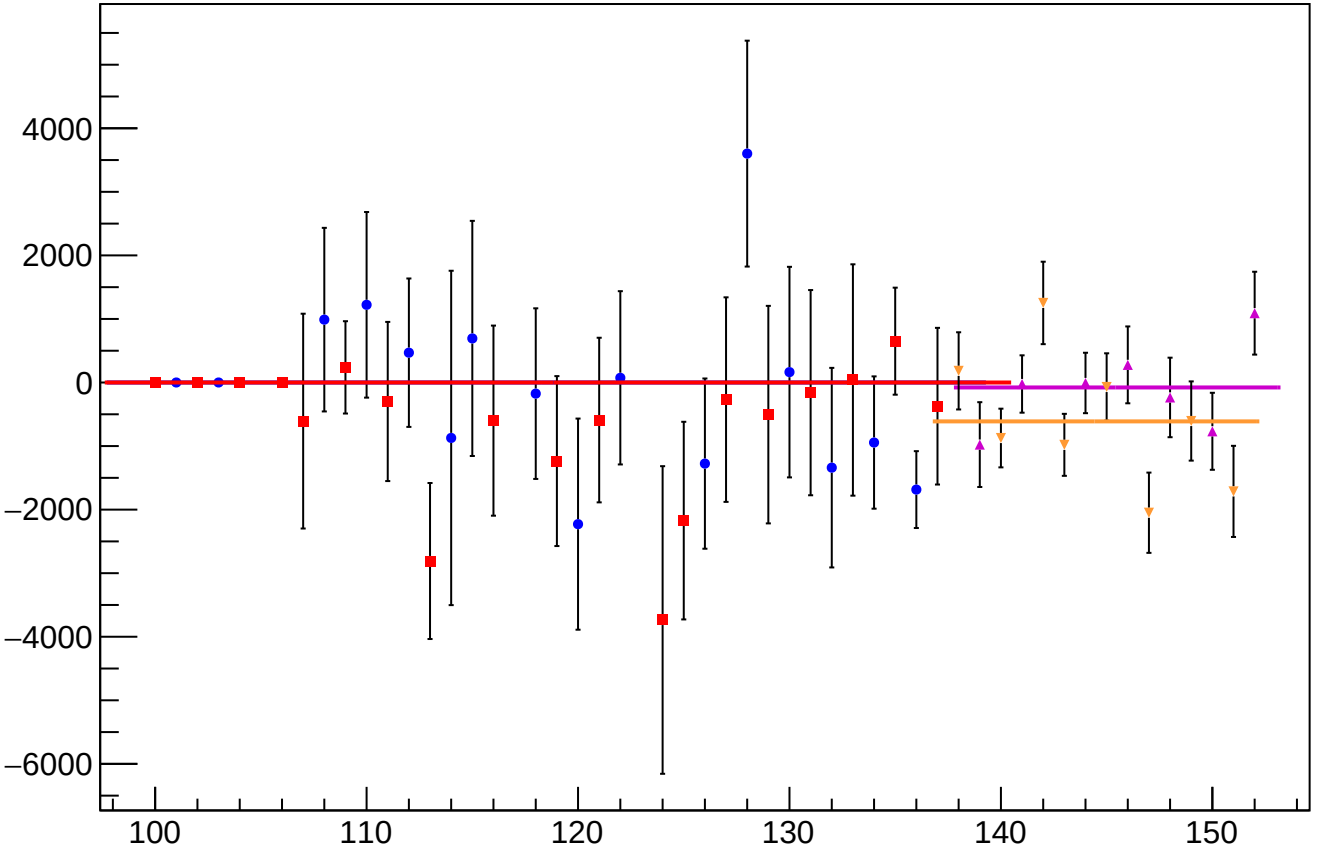
Left In: 1858.410+/-0.591 χ^2/NDF:1966790.9/6

+ sign 2114.674+/-0.488 χ^2/NDF: 3867221.5/20

All: 2039.415+/-0.336 χ^2/NDF: 8205301.8/41

- sign 1971.667+/-0.463 χ^2/NDF: 4292849.8/20

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -611.749+/-201.748 χ^2/NDF:19.4/7

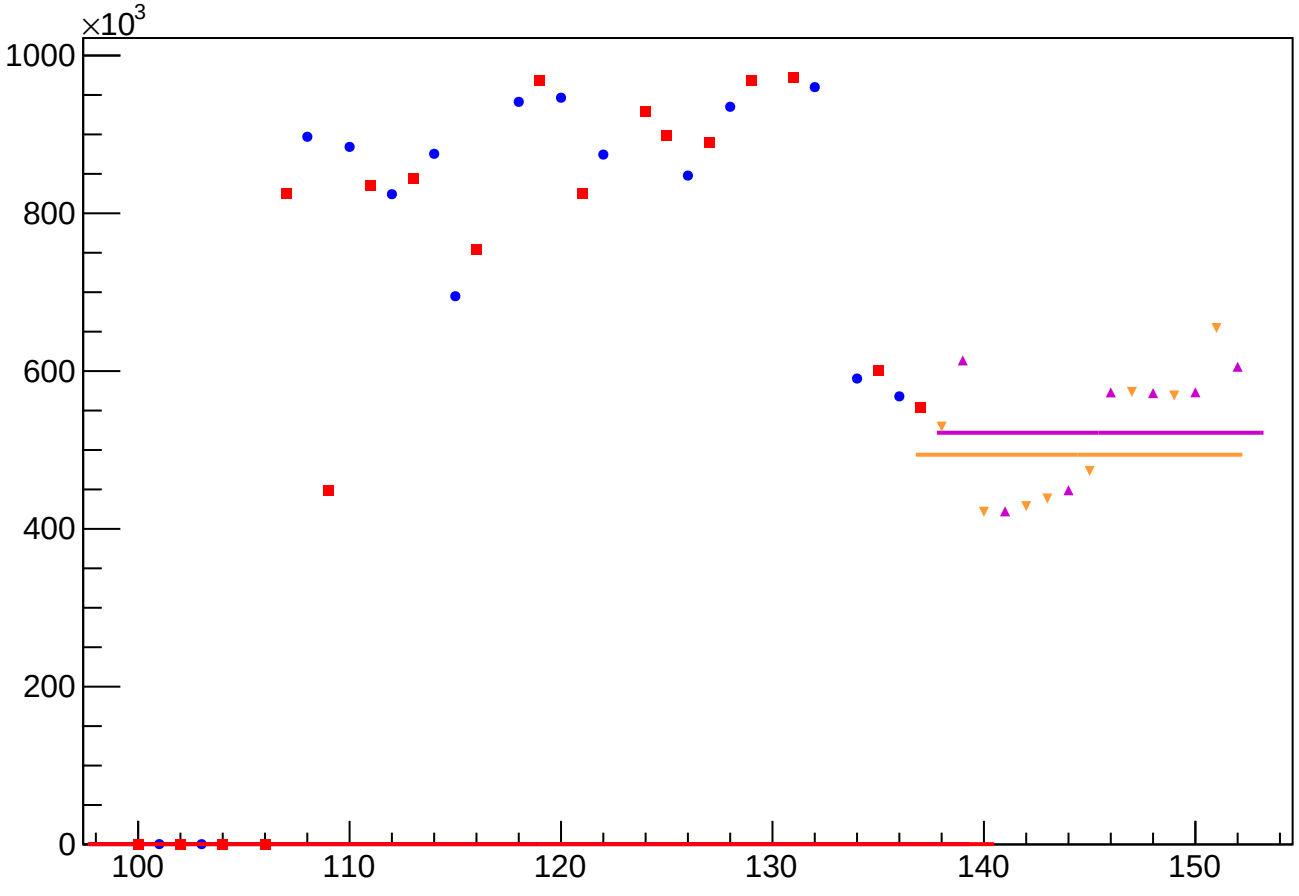
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -77.796+/-213.443 χ^2/NDF:6.8/6

+ sign 0.253+/-0.356 χ^2/NDF: 46.4/23

All: 0.168+/-0.241 χ^2/NDF: 68.8/49

- sign 0.096+/-0.328 χ^2/NDF: 22.3/25



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 494040.559+/-142.658 χ^2/NDF:266263.4/7

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

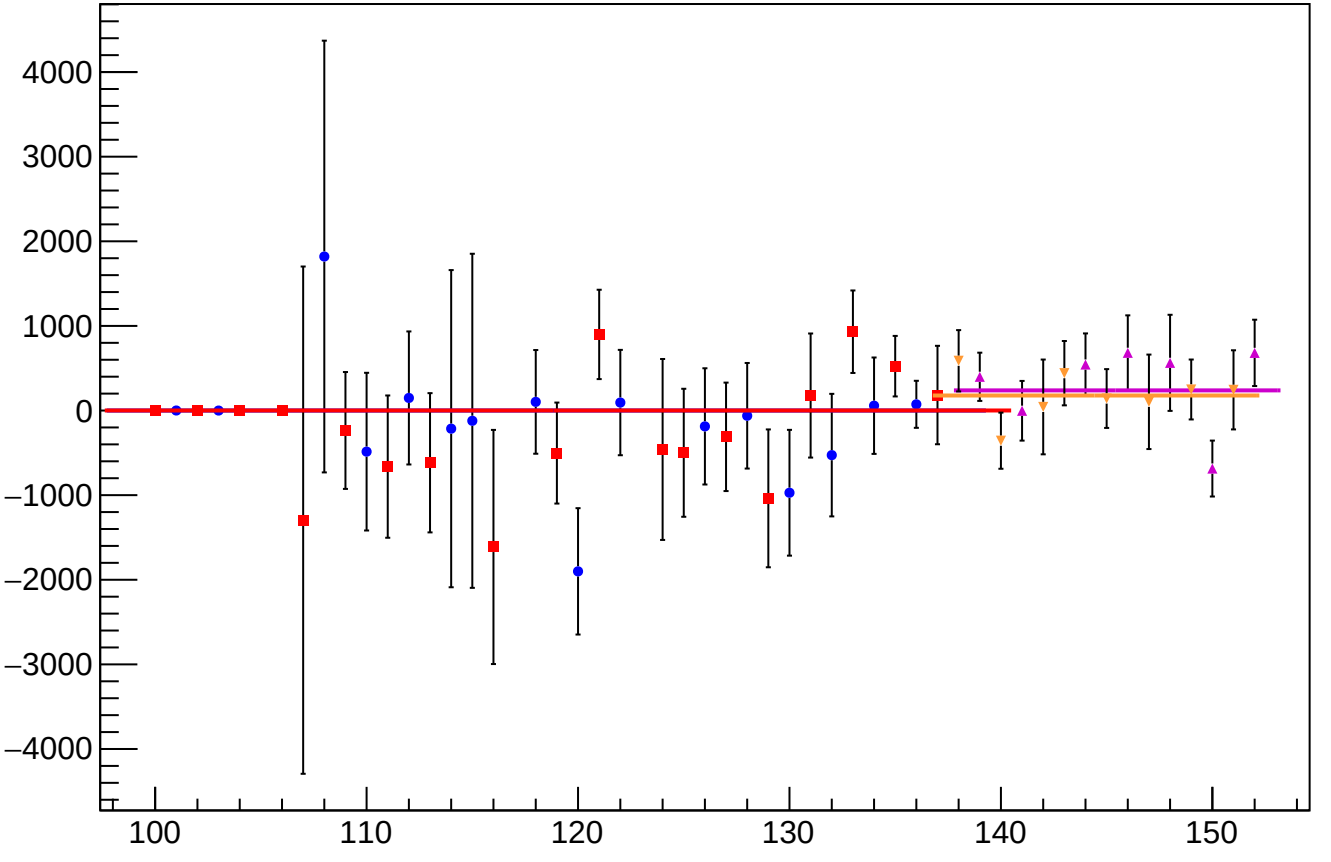
Left In: 521853.385+/-150.927 χ^2/NDF:256737.2/6

+ sign 400.415+/-0.251 χ^2/NDF: 20731905.2/22

All: 397.200+/-0.170 χ^2/NDF: 40574814.5/47

- sign 394.470+/-0.232 χ^2/NDF: 19842607.1/24

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 177.630+/-140.233 χ^2/NDF:4.5/7

Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

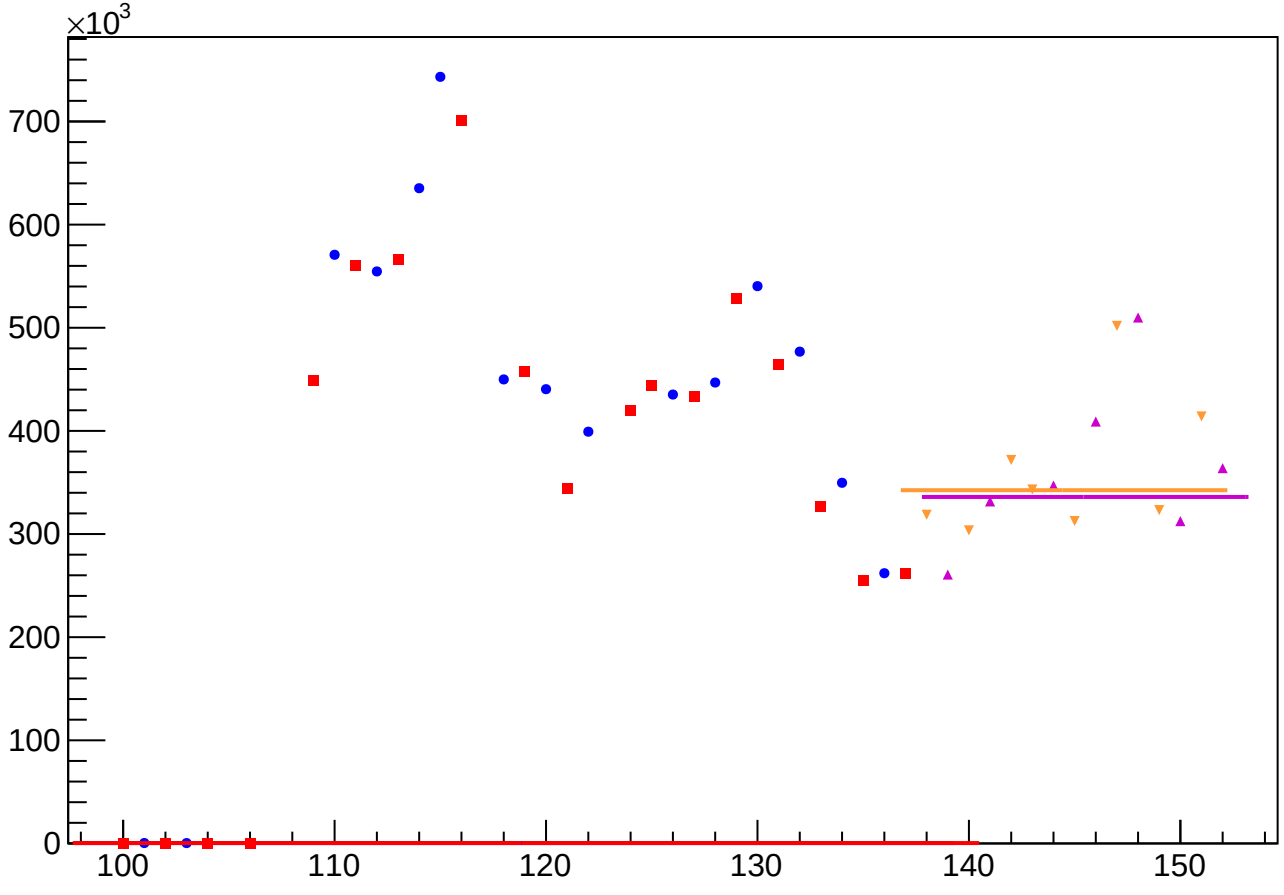
Left In: 238.137+/-139.184 χ^2/NDF:11.9/6

+ sign -0.019+/-0.347 χ^2/NDF: 16.6/23

All: 0.312+/-0.237 χ^2/NDF: 48.1/49

- sign 0.600+/-0.324 χ^2/NDF: 29.8/25

diff_cav4bY_rms vs Slug



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 342486.905+/-99.160 χ^2/NDF:272170.4/7

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

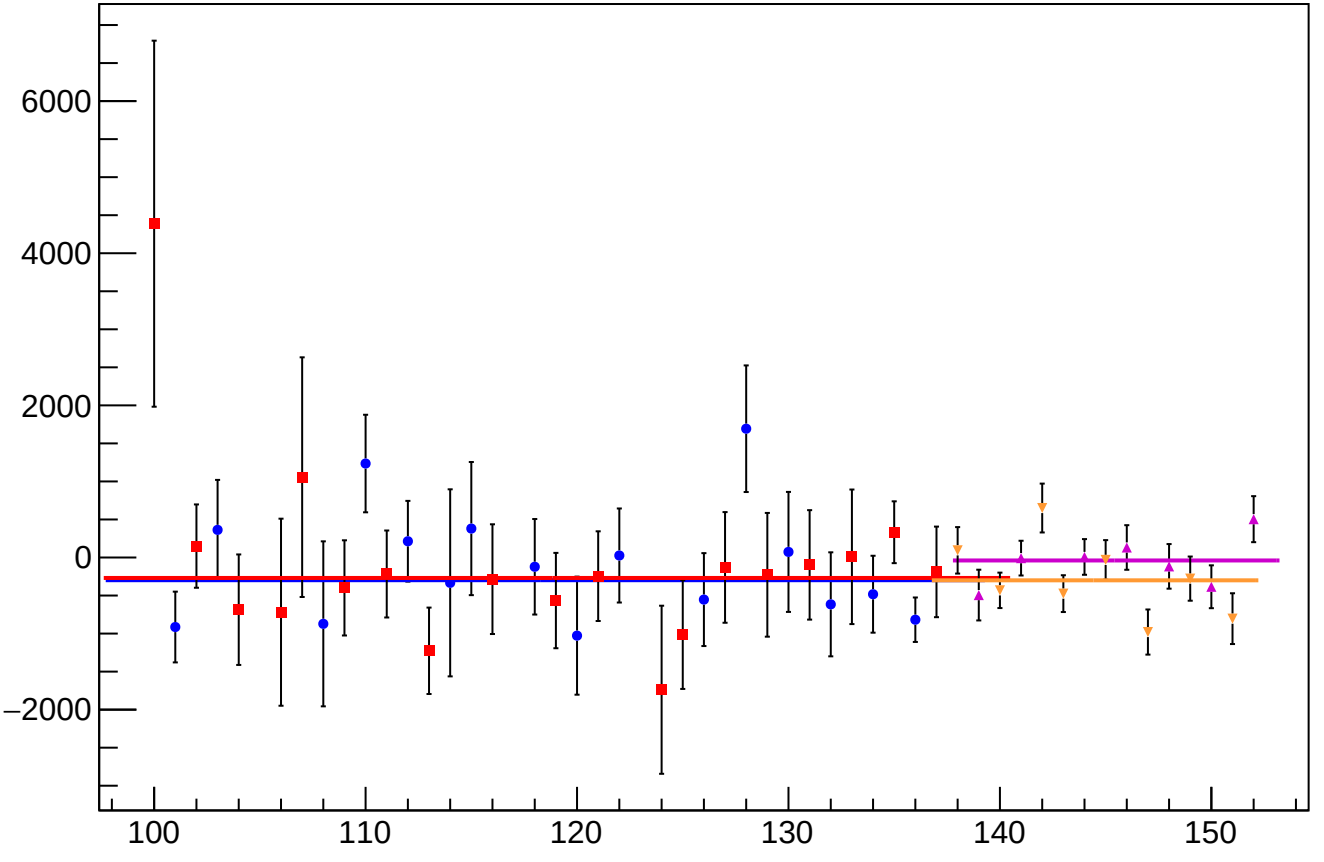
Left In: 335952.559+/-98.433 χ^2/NDF:403921.0/6

+ sign 392.372+/-0.245 χ^2/NDF: 23306478.4/22

All: 390.997+/-0.167 χ^2/NDF: 46406527.4/47

- sign 389.800+/-0.229 χ^2/NDF: 23099990.3/24

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -299.996+/-98.576 χ^2/NDF:19.9/7

Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

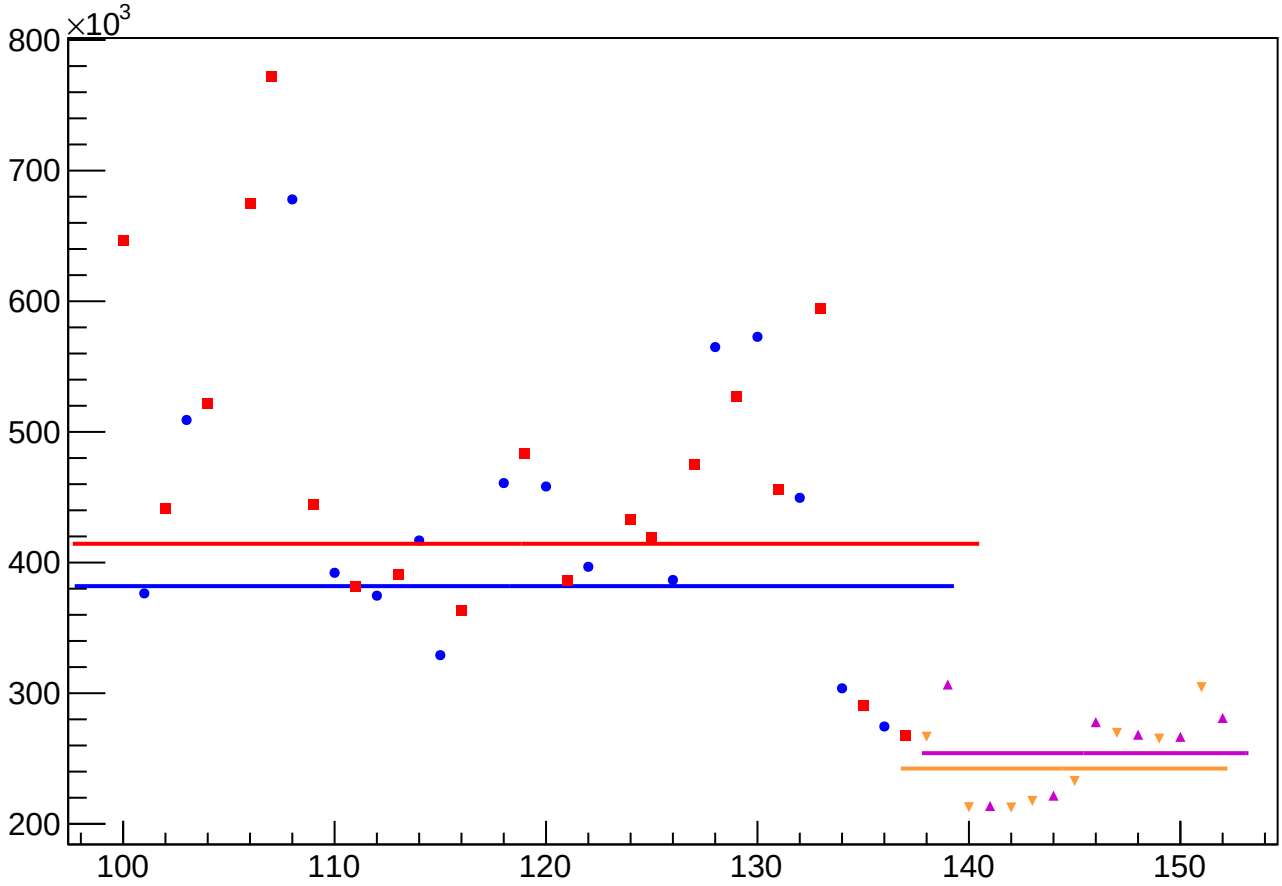
Left In: -38.857+/-103.604 χ^2/NDF:7.1/6

+ sign -299.460+/-81.935 χ^2/NDF: 41.0/23

All: -209.234+/-59.454 χ^2/NDF: 66.0/49

- sign -108.900+/-86.403 χ^2/NDF: 22.4/25

diff_cav4cX_rms vs Slug



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 242346.408+/-69.704 χ^2/NDF:184882.6/7

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

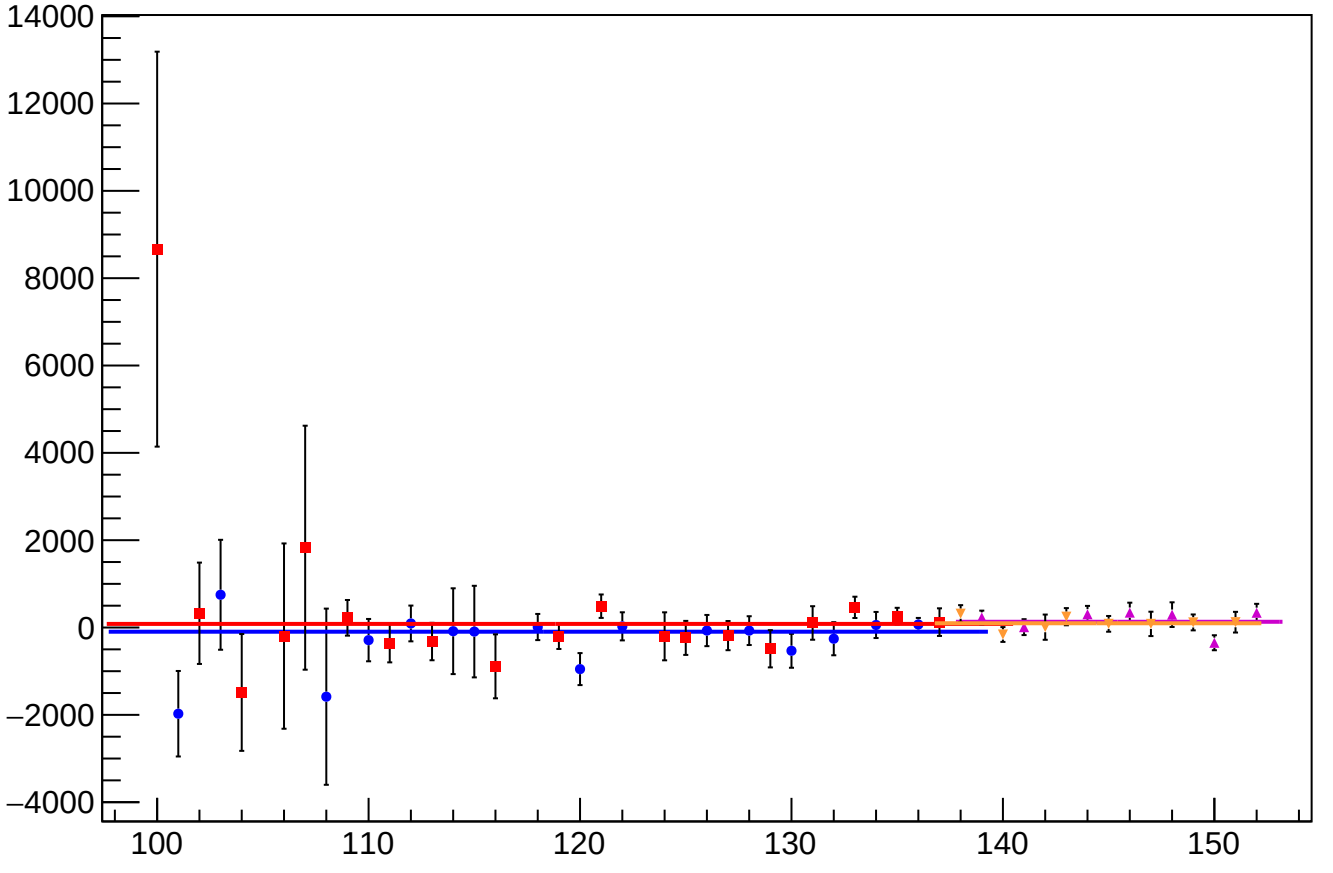
Left In: 254119.511+/-73.259 χ^2/NDF:188323.0/6

+ sign 285494.230+/-57.940 χ^2/NDF: 2261194.9/23

All: 293735.038+/-42.043 χ^2/NDF: 4708918.

- sign 302899.498+/-61.101 χ^2/NDF: 2404998.0/25

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 97.574+/-72.516 χ^2/NDF:4.3/7

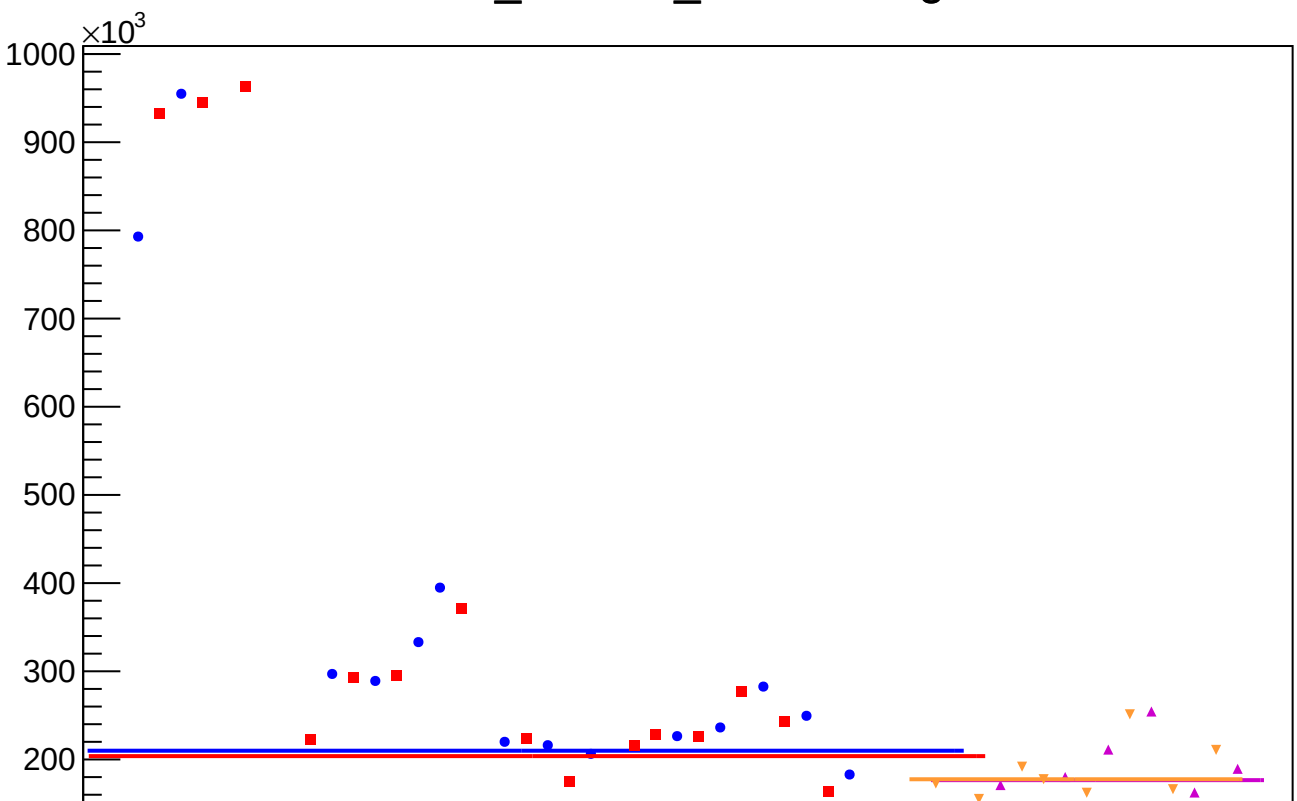
Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: 131.655+/-72.772 χ^2/NDF:11.7/6

+ sign 19.629+/-56.032 χ^2/NDF: 20.8/23

All: 65.726+/-39.575 χ^2/NDF: 53.2/49

- sign 111.609+/-55.902 χ^2/NDF: 31.0/25



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 177548.577+/-51.277 χ^2/NDF:241609.8/7

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

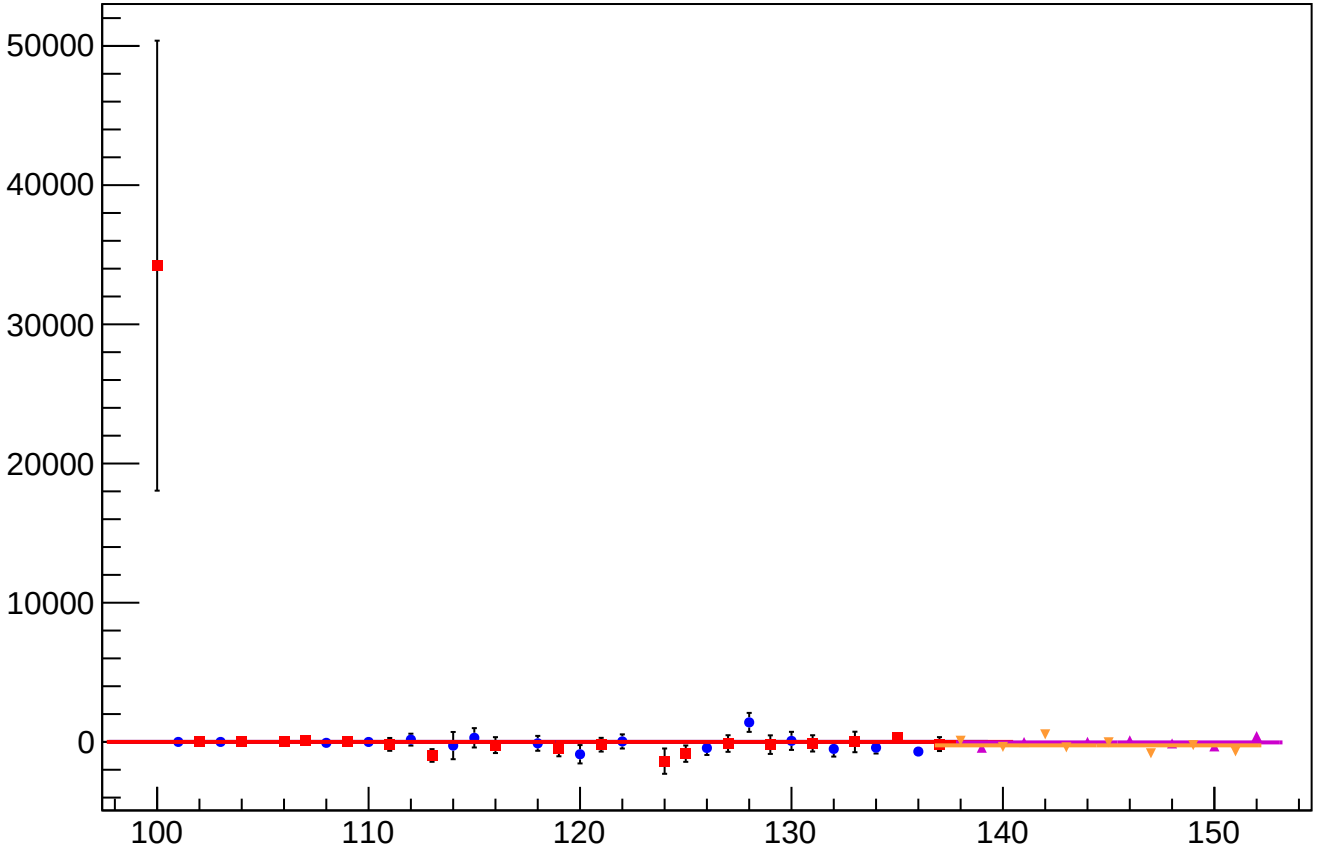
Left In: 176554.522+/-51.458 χ^2/NDF:319051.6/6

+ sign 190569.924+/-39.648 χ^2/NDF: 2361867.8/22

All: 189125.559+/-28.007 χ^2/NDF: 4868566.

- sign 187686.966+/-39.569 χ^2/NDF: 2504049.8/23

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -247.520+/-82.341 χ^2/NDF:20.0/7

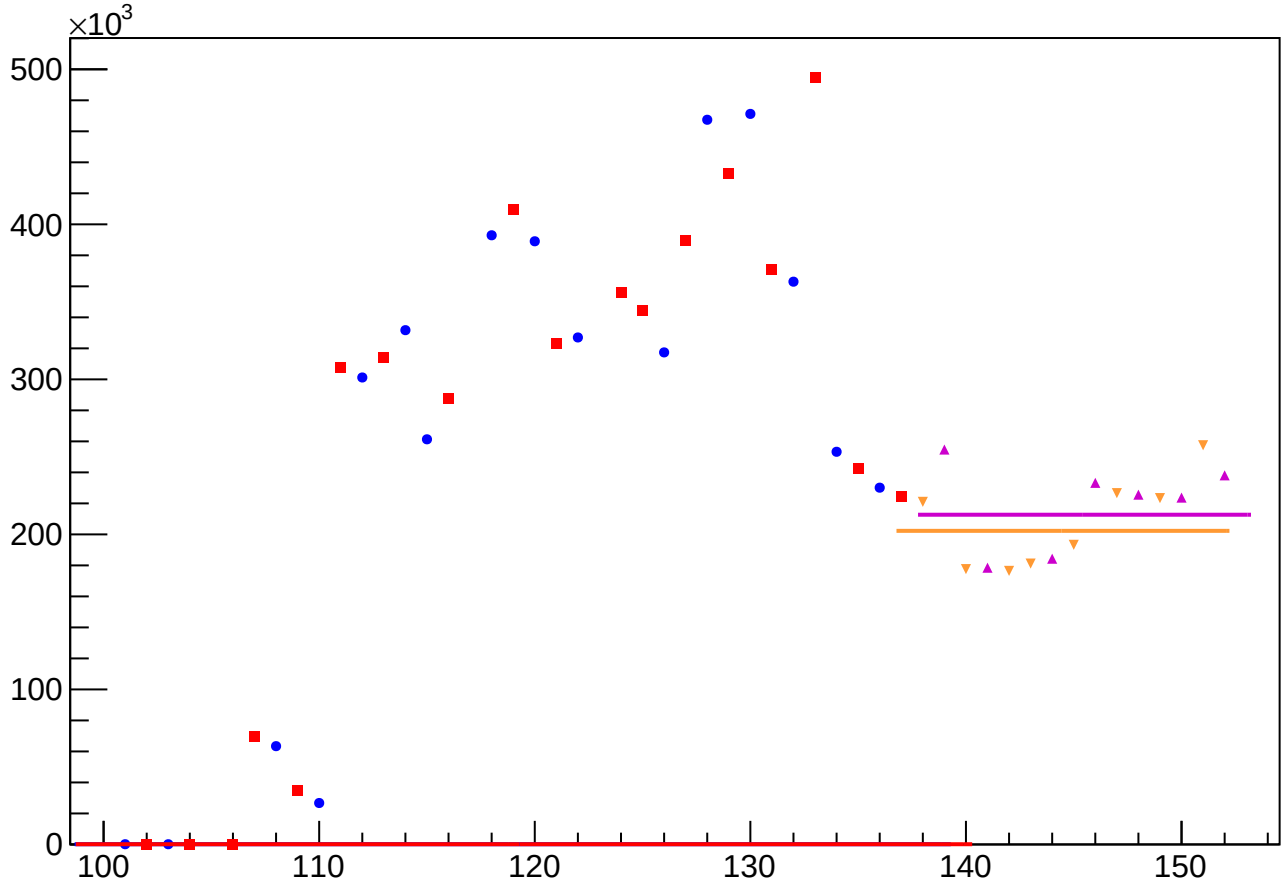
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -35.426+/-86.743 χ^2/NDF:7.1/6

\+ sign -0.036+/-0.172 χ^2/NDF: 47.1/23

All: -0.207+/-0.117 χ^2/NDF: 72.7/49

\- sign -0.355+/-0.160 χ^2/NDF: 23.7/25



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 202289.830+/-58.224 χ^2/NDF:197876.6/7

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

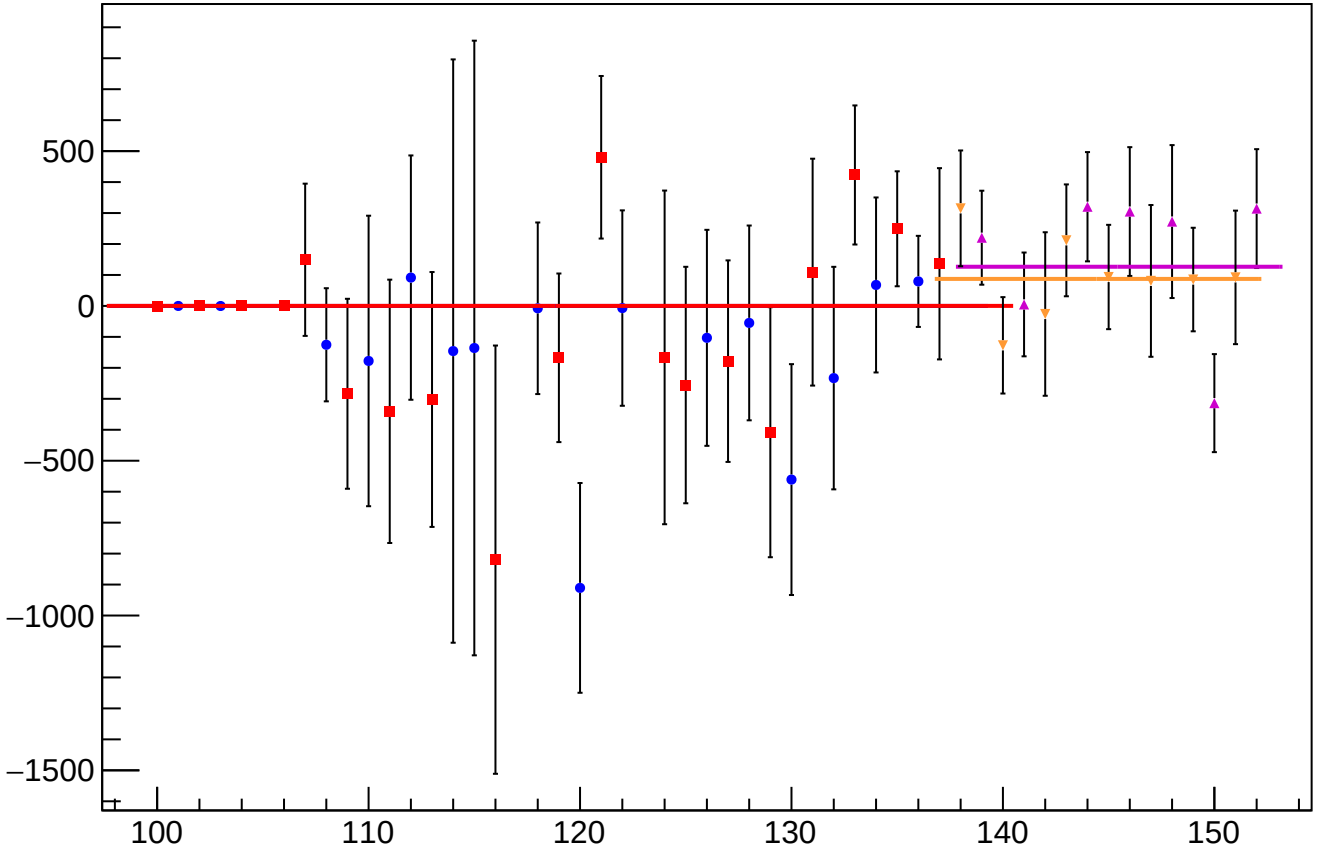
Left In: 212686.975+/-61.337 χ^2/NDF:196137.8/6

+ sign 149.977+/-0.122 χ^2/NDF: 23553169.9/23

All: 150.045+/-0.083 χ^2/NDF: 47044824.0/48

- sign 150.103+/-0.113 χ^2/NDF: 23491653.5/24

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 87.264+/-66.820 χ^2/NDF:4.0/7

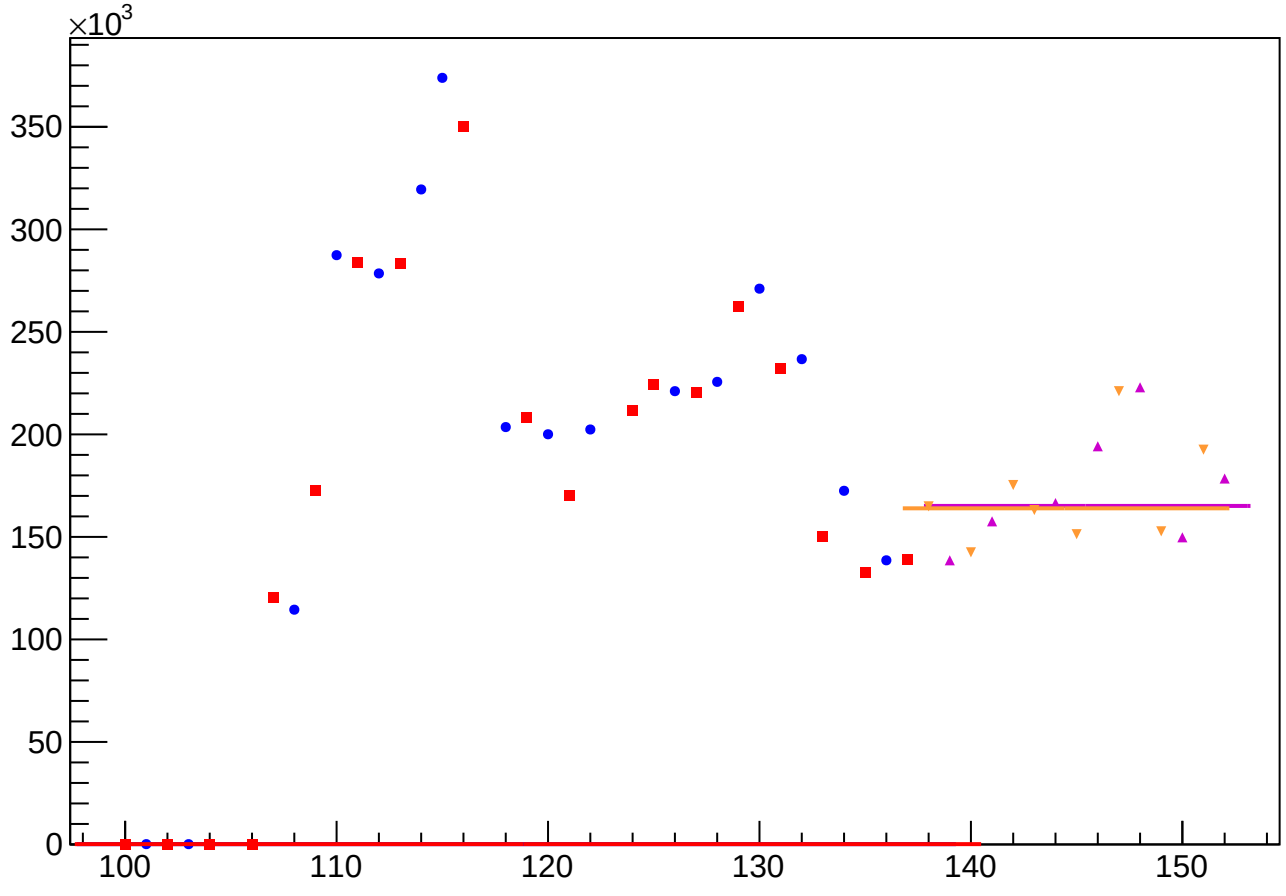
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 126.550+/-67.784 χ^2/NDF:11.9/6

+ sign -0.067+/-0.177 χ^2/NDF: 17.0/23

All: 0.036+/-0.121 χ^2/NDF: 48.2/49

- sign 0.127+/-0.166 χ^2/NDF: 30.6/25



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 163939.881+/-47.249 χ^2/NDF:205873.0/7

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

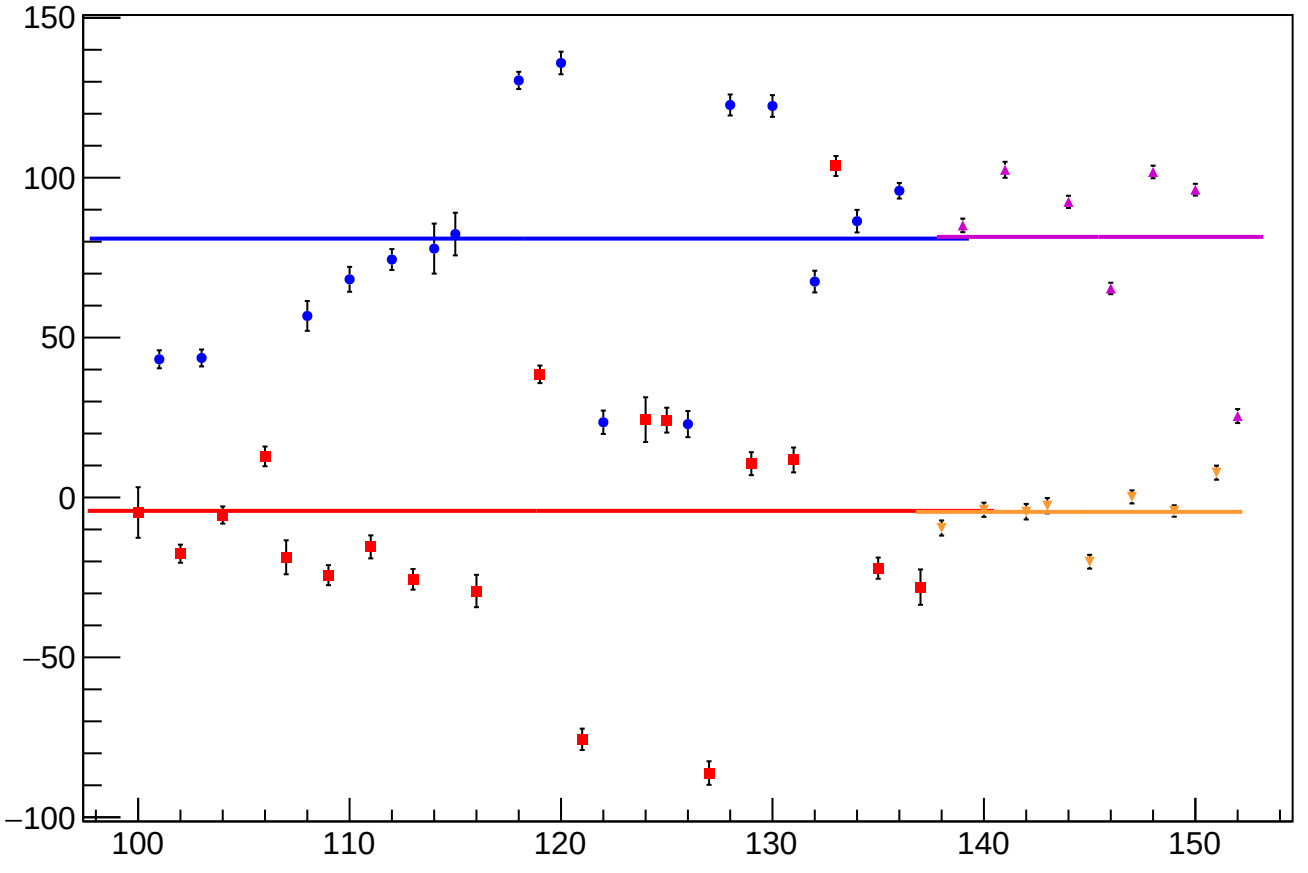
Left In: 165108.705+/-47.930 χ^2/NDF:242478.6/6

+ sign 154.612+/-0.125 χ^2/NDF: 24127062.4/23

All: 155.962+/-0.086 χ^2/NDF: 47544571.3/49

- sign 157.153+/-0.118 χ^2/NDF: 23417290.5/25

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -4.501+/-0.768 χ^2/NDF:93.2/7

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

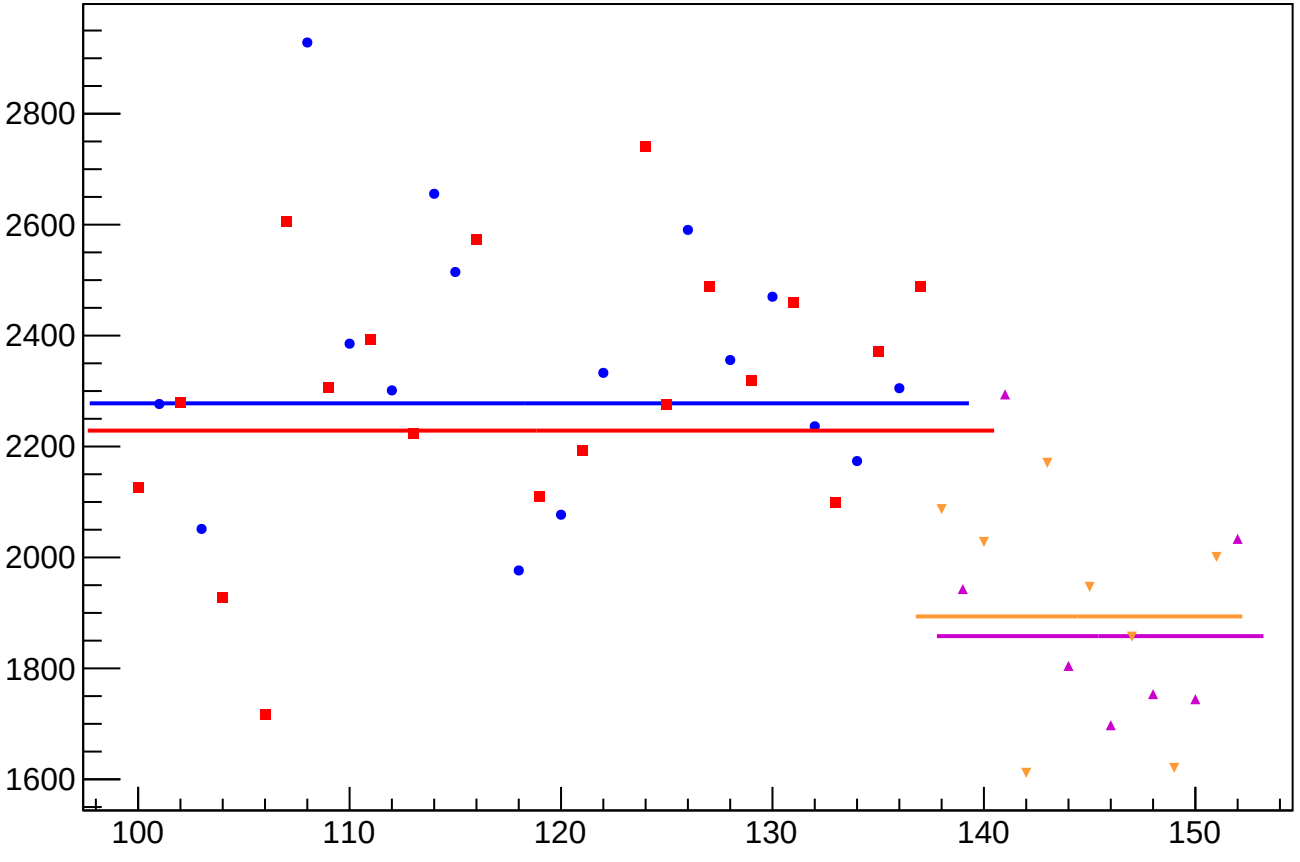
Left In: 81.492+/-0.762 χ^2/NDF:1009.1/6

\+ sign 33.847+/-0.570 χ^2/NDF: 7459.9/23

All: 37.914+/-0.399 χ^2/NDF: 17146.6/49

\- sign 41.808+/-0.558 χ^2/NDF: 9587.3/25

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1893.651+/-0.543 χ^2/NDF:127759.7/7

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

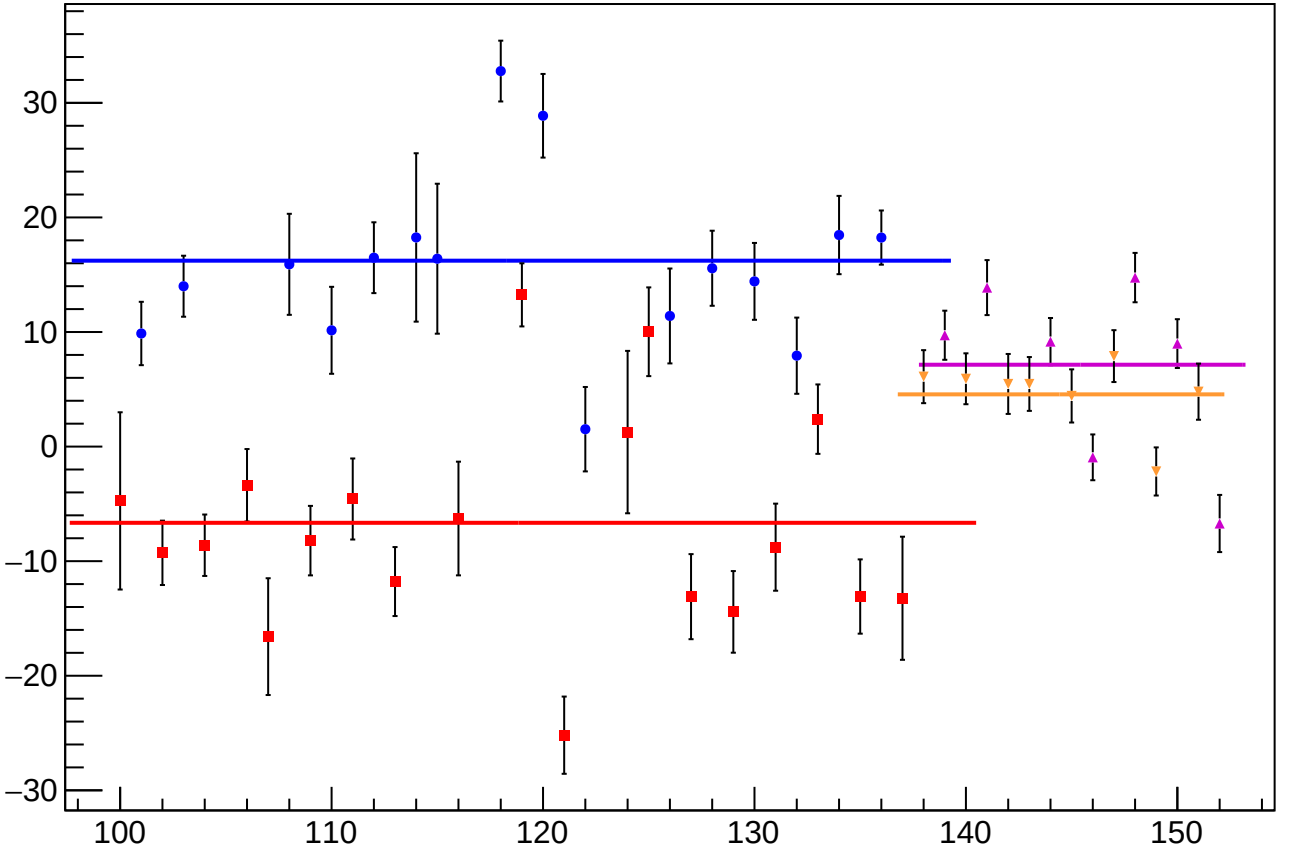
Left In: 1858.154+/-0.539 χ^2/NDF:107557.7/6

\+ sign 2066.067+/-0.403 χ^2/NDF: 468027.8/23

All: 2047.533+/-0.282 χ^2/NDF: 950018.0/49

\- sign 2029.784+/-0.395 χ^2/NDF: 477856.0/25

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.559+/-0.819 χ^2/NDF:13.5/7

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

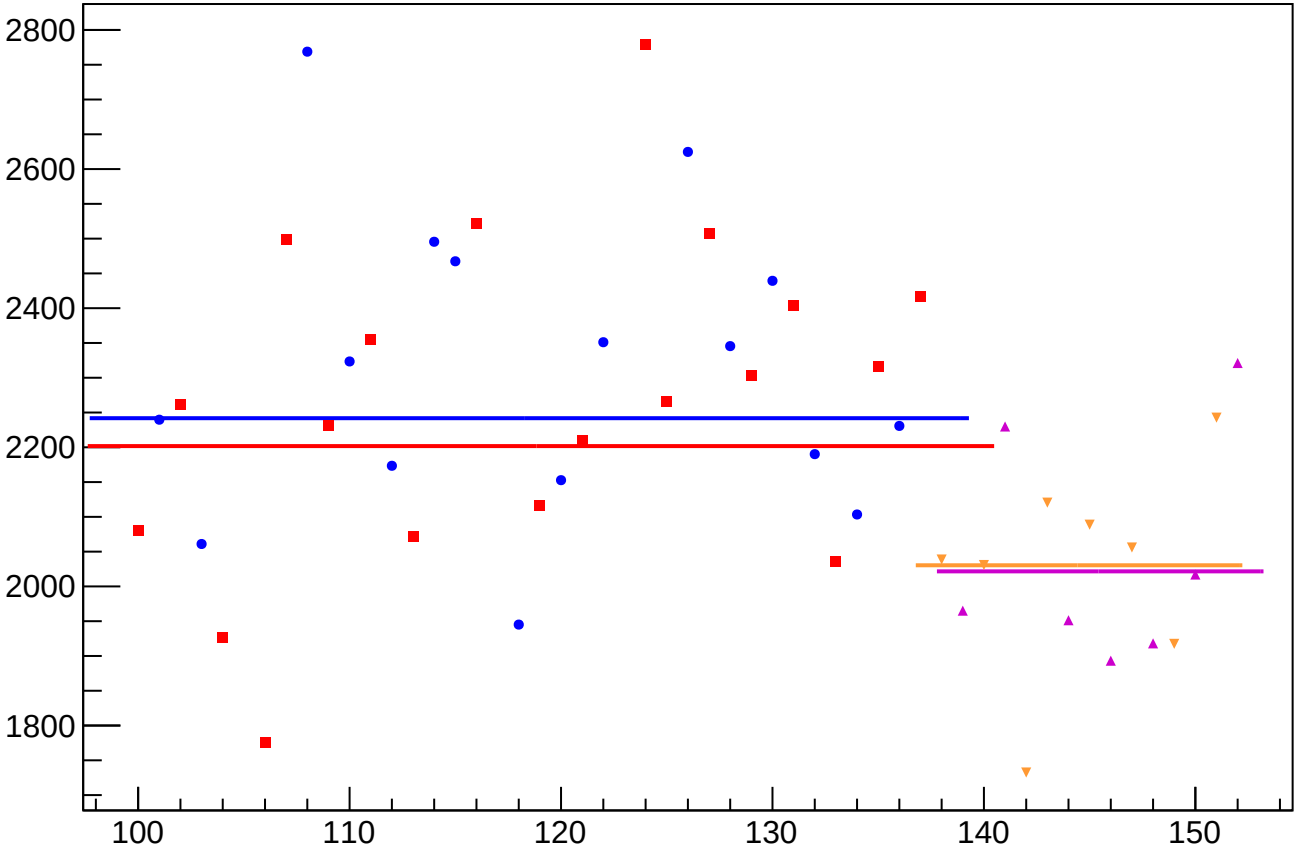
Left In: 7.145+/-0.824 χ^2/NDF:70.7/6

+ sign 10.261+/-0.586 χ^2/NDF: 197.3/23

All: 5.121+/-0.411 χ^2/NDF: 697.2/49

- sign 0.124+/-0.577 χ^2/NDF: 348.0/25

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2030.391+/-0.579 χ^2/NDF:51210.6/7

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

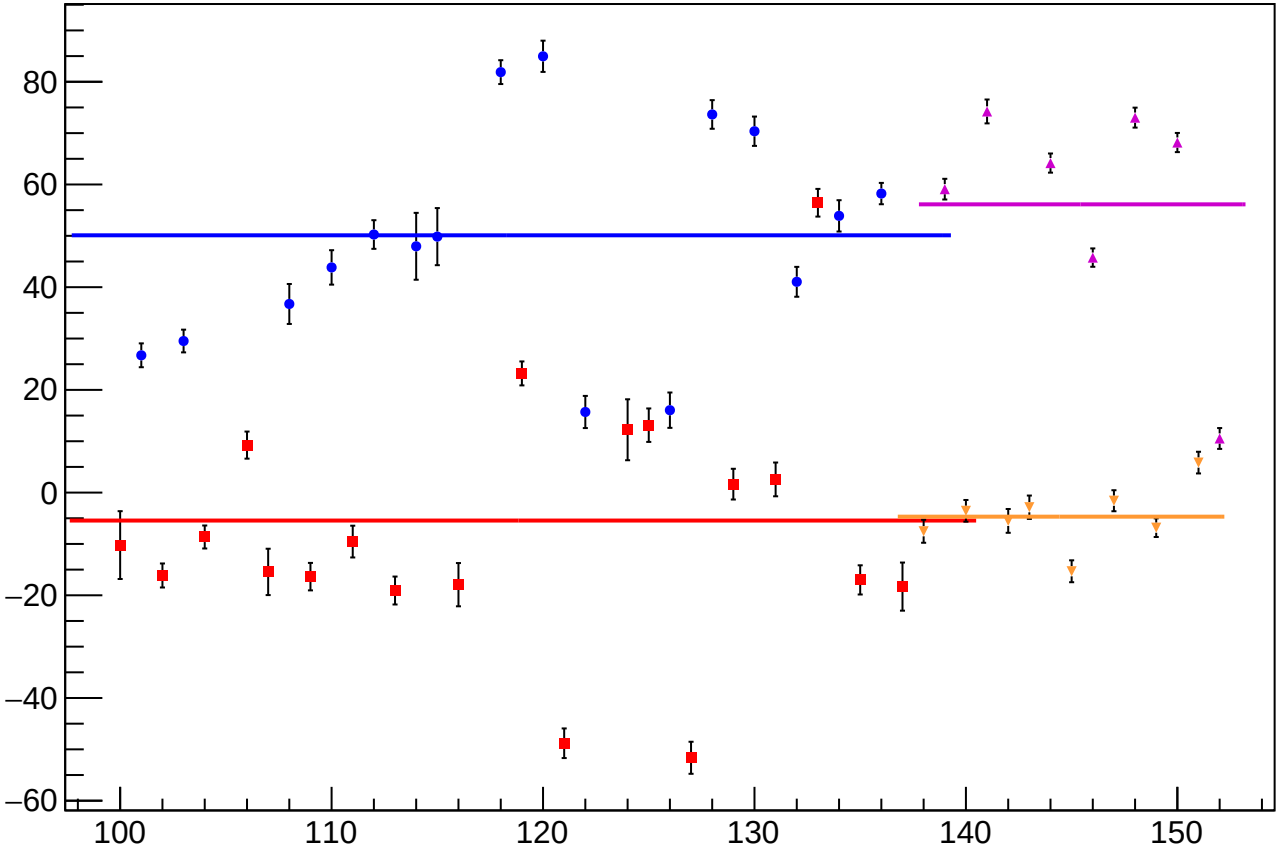
Left In: 2021.640+/-0.582 χ^2/NDF:60490.8/6

+ sign 2133.738+/-0.414 χ^2/NDF: 218645.3/23

All: 2123.364+/-0.291 χ^2/NDF: 458903.2/49

- sign 2113.282+/-0.408 χ^2/NDF: 239020.2/25

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -4.688+/-0.747 χ^2/NDF:56.1/7

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

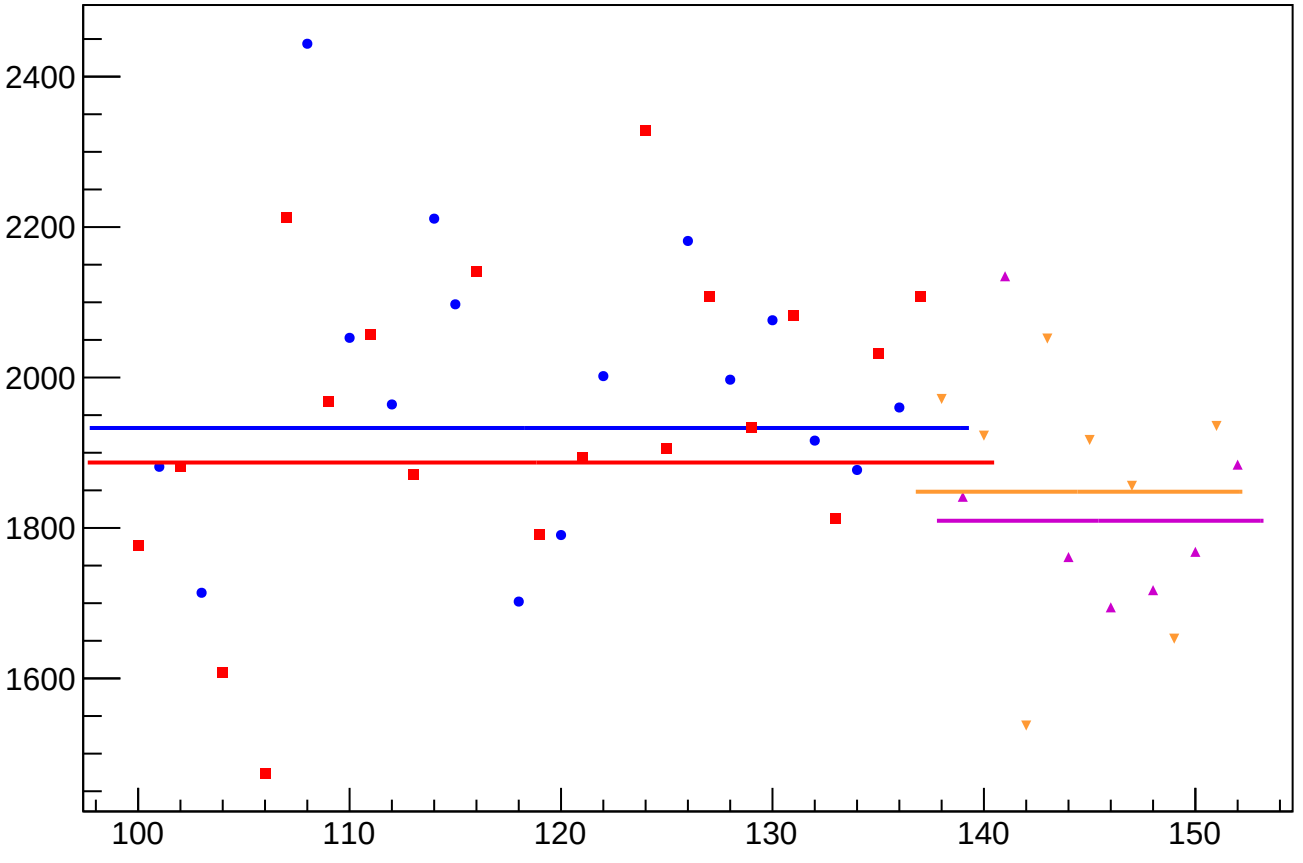
Left In: 56.132+/-0.740 χ^2/NDF:736.4/6

+ sign 23.650+/-0.519 χ^2/NDF: 3723.9/23

All: 23.511+/-0.363 χ^2/NDF: 9453.9/49

- sign 23.378+/-0.506 χ^2/NDF: 5729.9/25

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1848.194+/-0.529 χ^2/NDF:89281.1/7

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

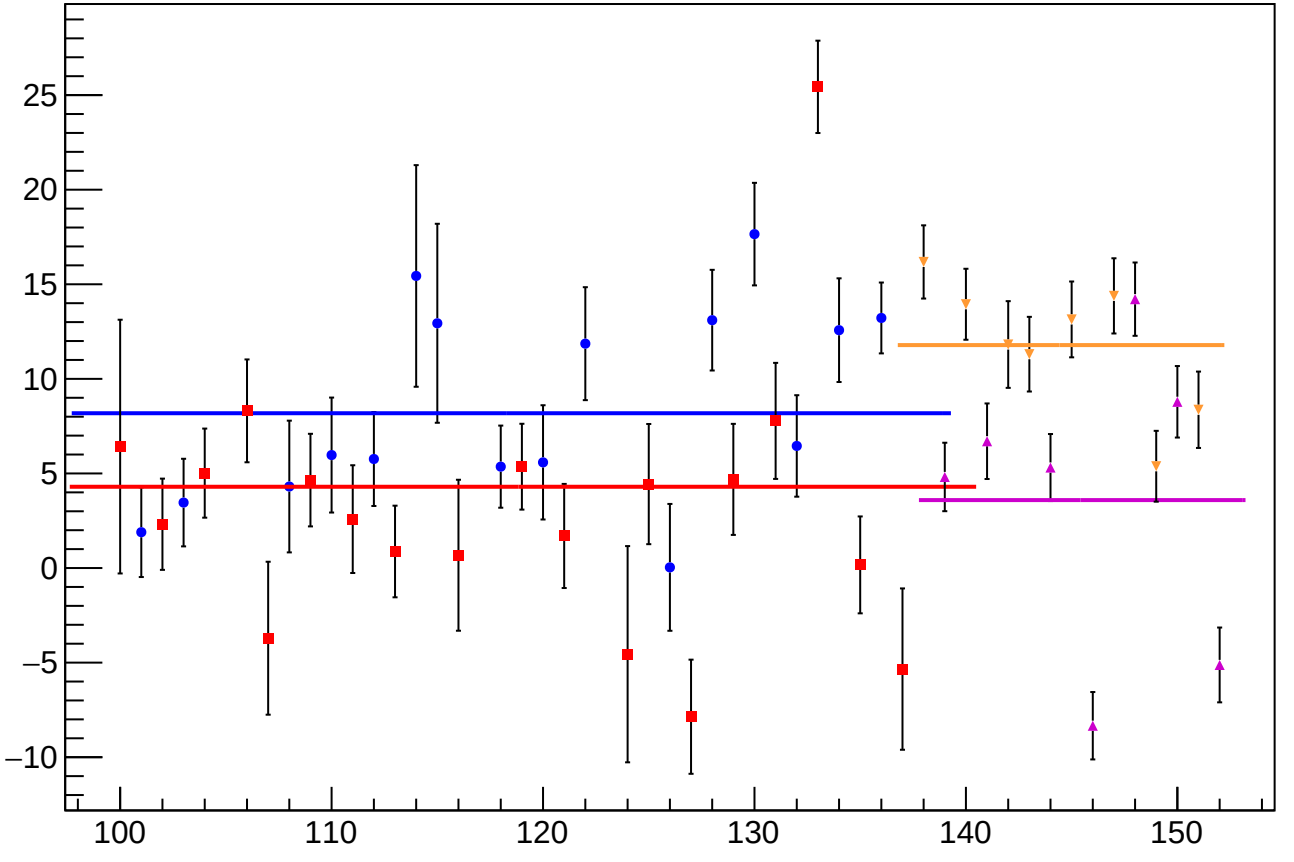
Left In: 1809.582+/-0.523 χ^2/NDF:57398.3/6

+ sign 1892.007+/-0.367 χ^2/NDF: 208535.6/23

All: 1870.865+/-0.256 χ^2/NDF: 433788.2/49

- sign 1850.766+/-0.358 χ^2/NDF: 218786.9/25

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.785+/-0.702 χ^2/NDF:23.3/7

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

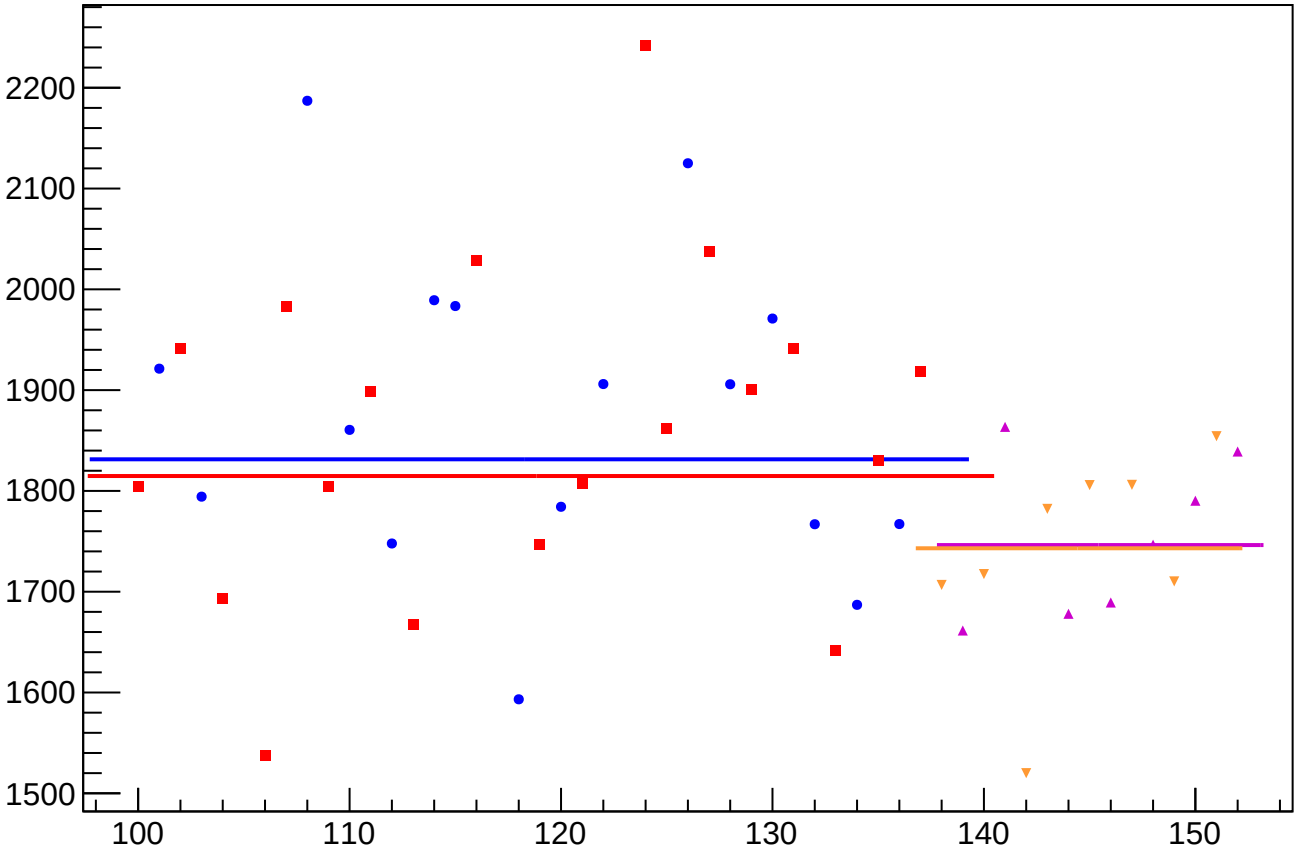
Left In: 3.592+/-0.709 χ^2/NDF:105.7/6

+ sign 9.937+/-0.490 χ^2/NDF: 88.8/23

All: 6.924+/-0.345 χ^2/NDF: 384.0/49

- sign 3.966+/-0.485 χ^2/NDF: 220.2/25

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1743.094+/-0.496 χ^2/NDF:31464.6/7

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

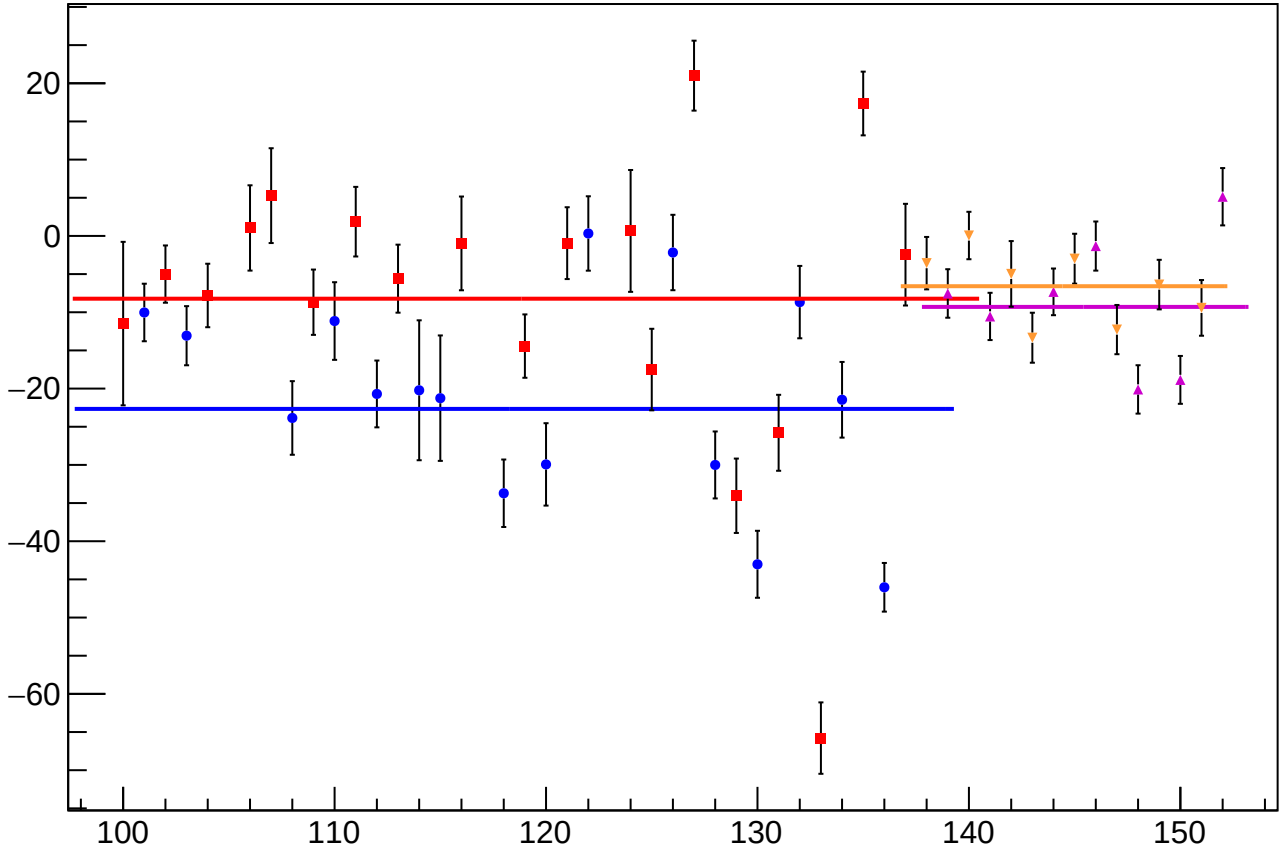
Left In: 1746.279+/-0.501 χ^2/NDF:21784.6/6

+ sign 1788.381+/-0.346 χ^2/NDF: 134620.9/23

All: 1785.500+/-0.244 χ^2/NDF: 257212.2/49

- sign 1782.671+/-0.343 χ^2/NDF: 122454.1/25

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -6.588+/-1.199 χ^2/NDF:14.7/7

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

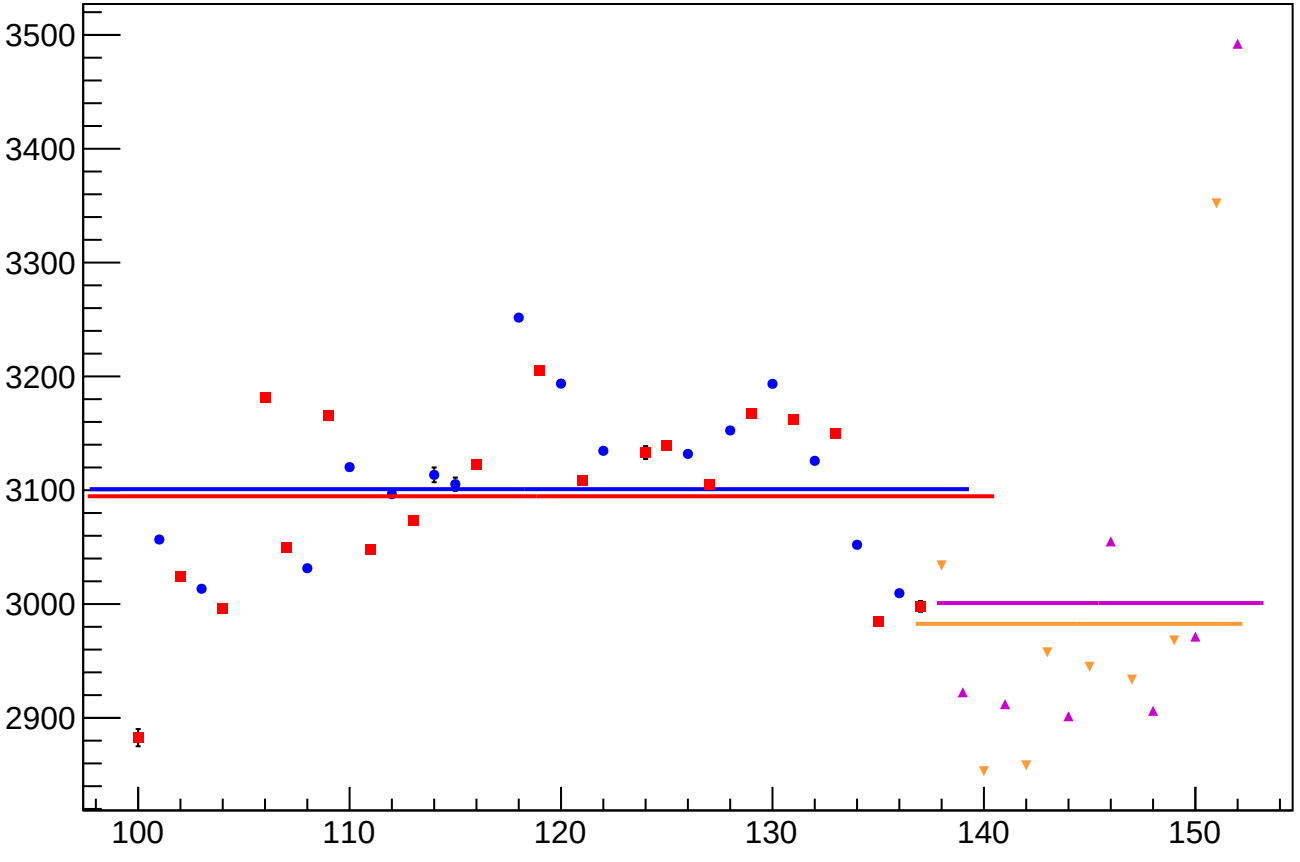
Left In: -9.298+/-1.214 χ^2/NDF:42.7/6

+ sign -14.949+/-0.831 χ^2/NDF: 265.3/23

All: -11.820+/-0.586 χ^2/NDF: 631.5/49

- sign -8.722+/-0.827 χ^2/NDF: 338.0/25

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2982.637+/-0.848 χ^2/NDF:26984.4/7

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

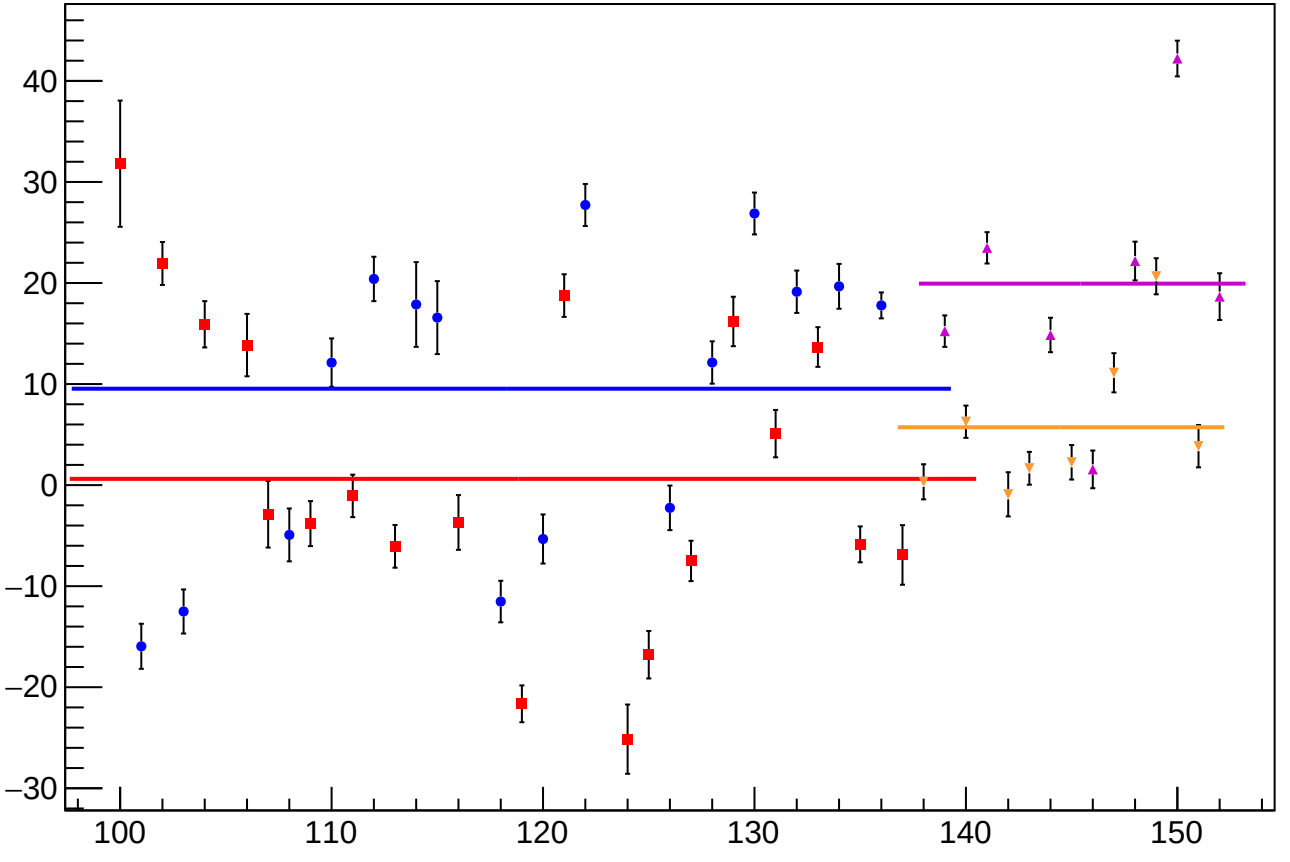
Left In: 3000.906+/-0.858 χ^2/NDF:41750.9/6

+ sign 3044.166+/-0.587 χ^2/NDF: 45001.5/23

All: 3047.693+/-0.414 χ^2/NDF: 101812.4/49

- sign 3051.185+/-0.584 χ^2/NDF: 56739.1/25

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.726+/-0.637 χ^2/NDF:107.9/7

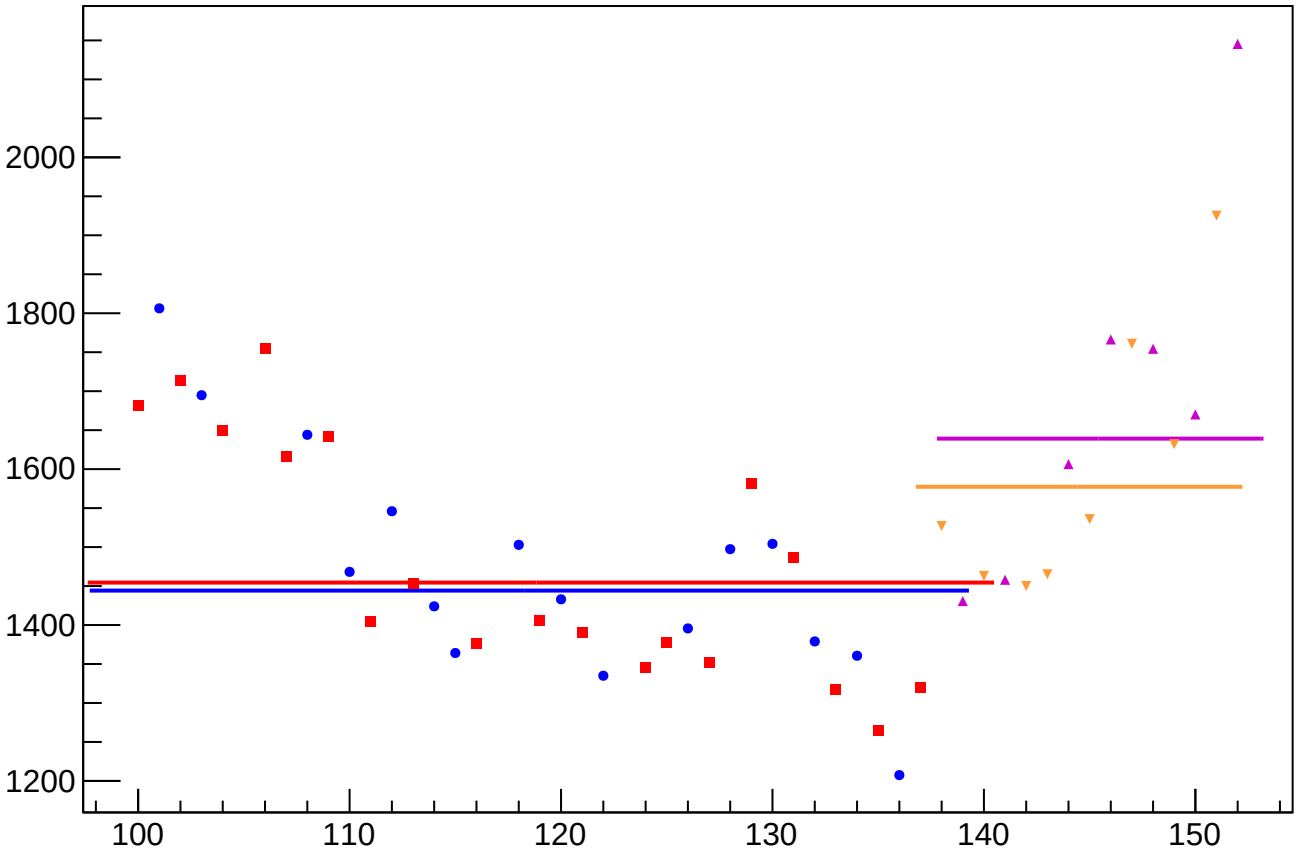
Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: 19.939+/-0.668 χ^2/NDF:280.8/6

+ sign 7.942+/-0.413 χ^2/NDF: 827.4/23

All: 8.045+/-0.293 χ^2/NDF: 2284.2/49

- sign 8.150+/-0.417 χ^2/NDF: 1456.6/25



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1577.387+/-0.451 χ^2/NDF:104301.7/7

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

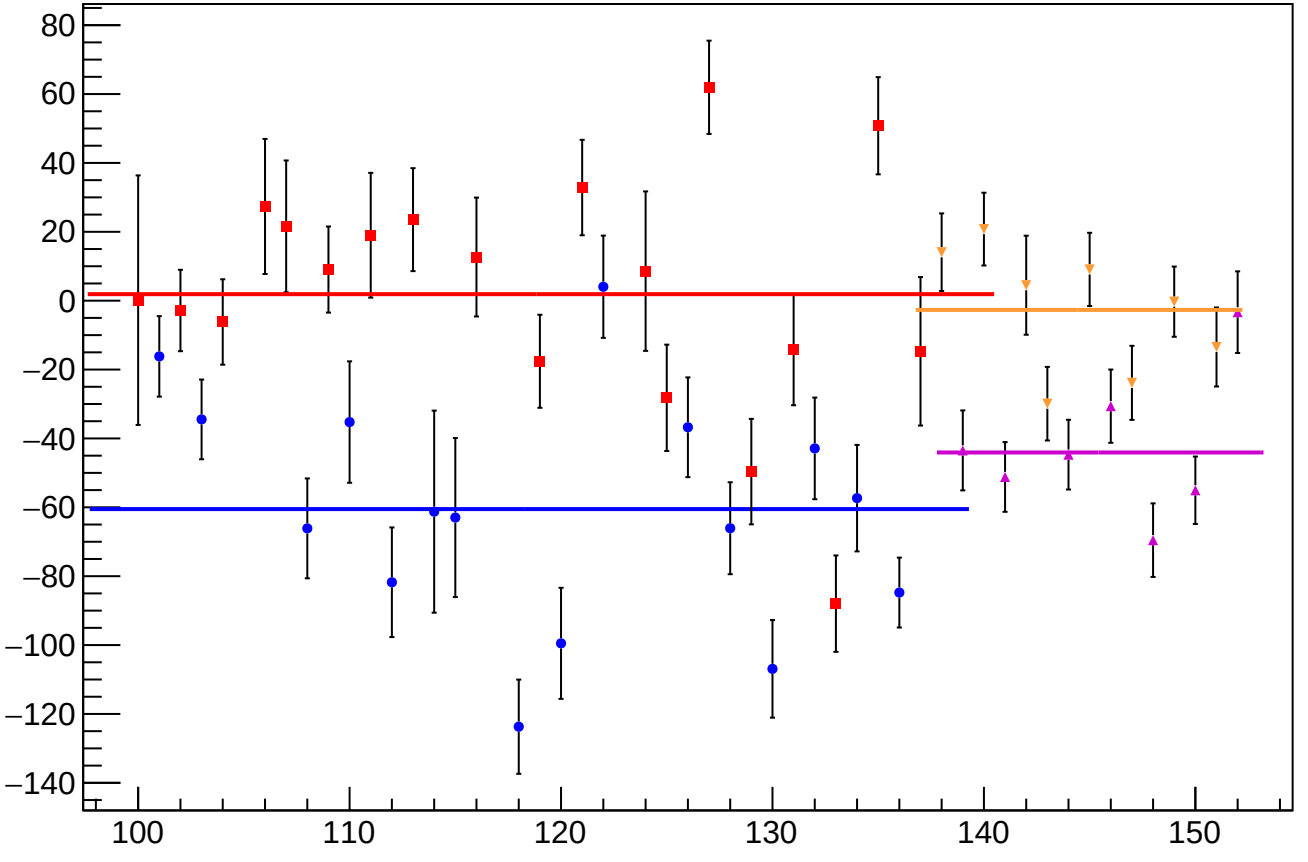
Left In: 1639.157+/-0.473 χ^2/NDF:176791.8/6

+ sign 1500.014+/-0.292 χ^2/NDF: 335206.2/23

All: 1513.088+/-0.207 χ^2/NDF: 752045.7/49

- sign 1526.459+/-0.295 χ^2/NDF: 412776.8/25

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -2.677+/-3.919 χ^2/NDF:19.9/7

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

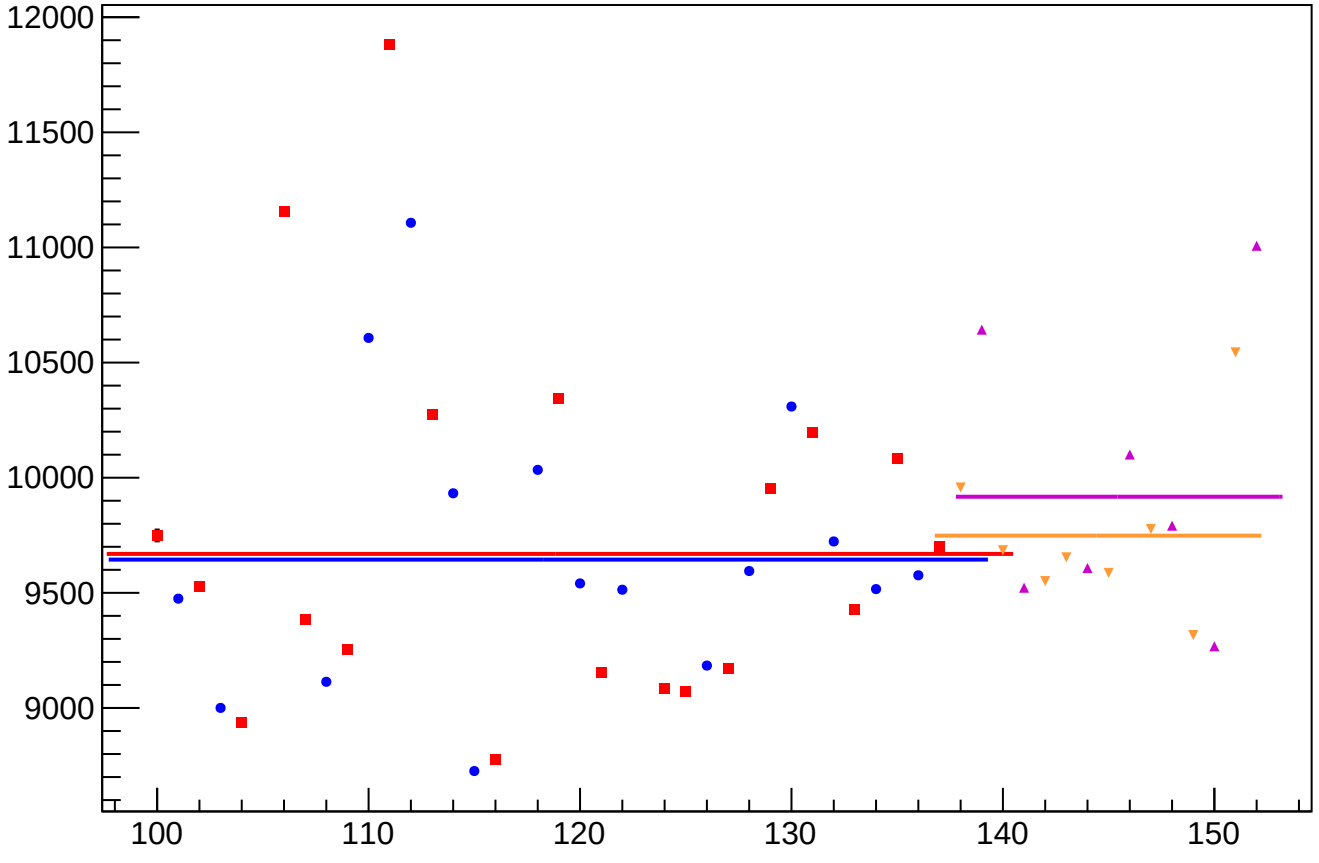
Left In: -44.078+/-4.013 χ^2/NDF:20.8/6

+ sign -34.073+/-2.650 χ^2/NDF: 228.5/23

All: -26.177+/-1.876 χ^2/NDF: 444.8/49

- sign -18.245+/-2.656 χ^2/NDF: 198.4/25

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9748.444+/-2.771 χ^2/NDF:14979.7/7

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

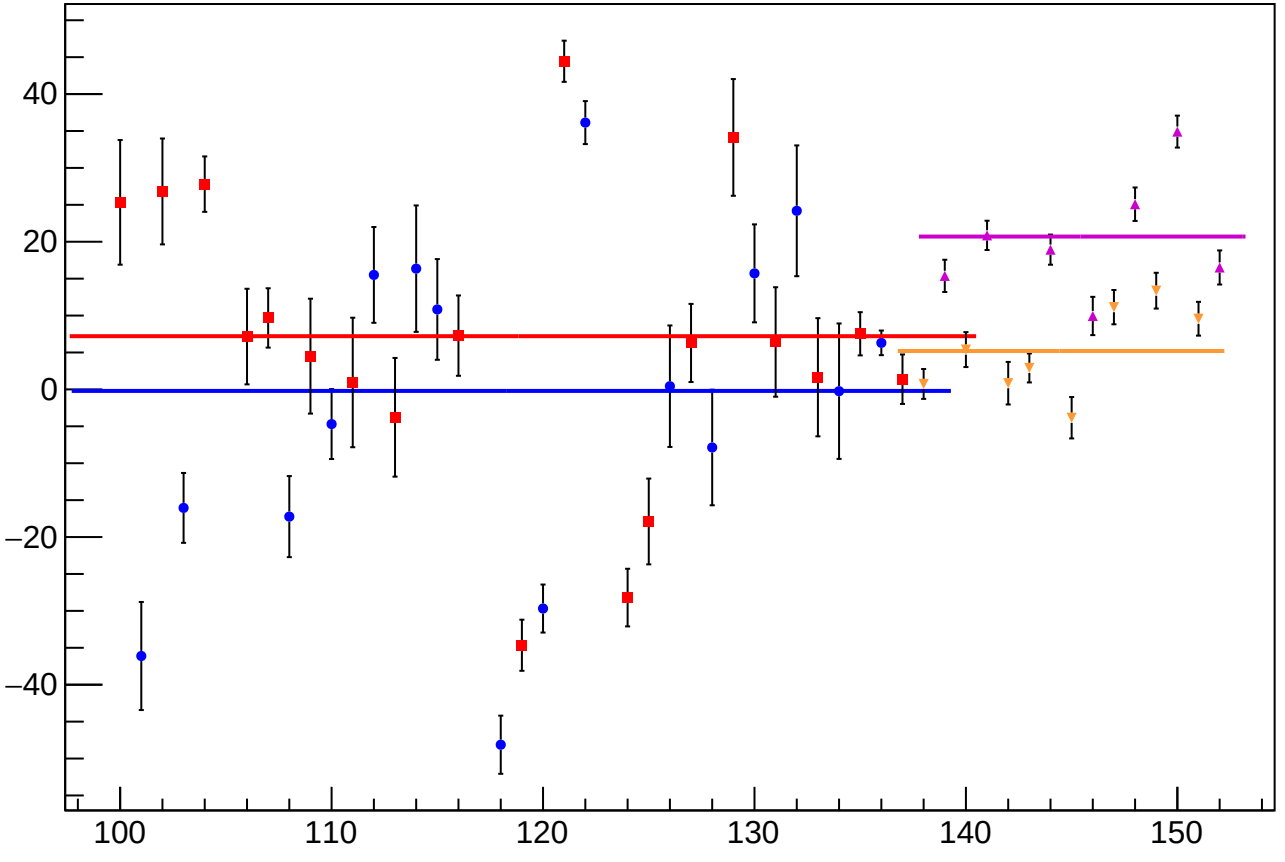
Left In: 9917.448+/-2.837 χ^2/NDF:39324.0/6

+ sign 9691.966+/-1.874 χ^2/NDF: 59846.7/23

All: 9734.837+/-1.326 χ^2/NDF: 184402.3/49

- sign 9777.911+/-1.878 χ^2/NDF: 123505.9/25

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 5.200+/-0.823 χ^2/NDF:40.5/7

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

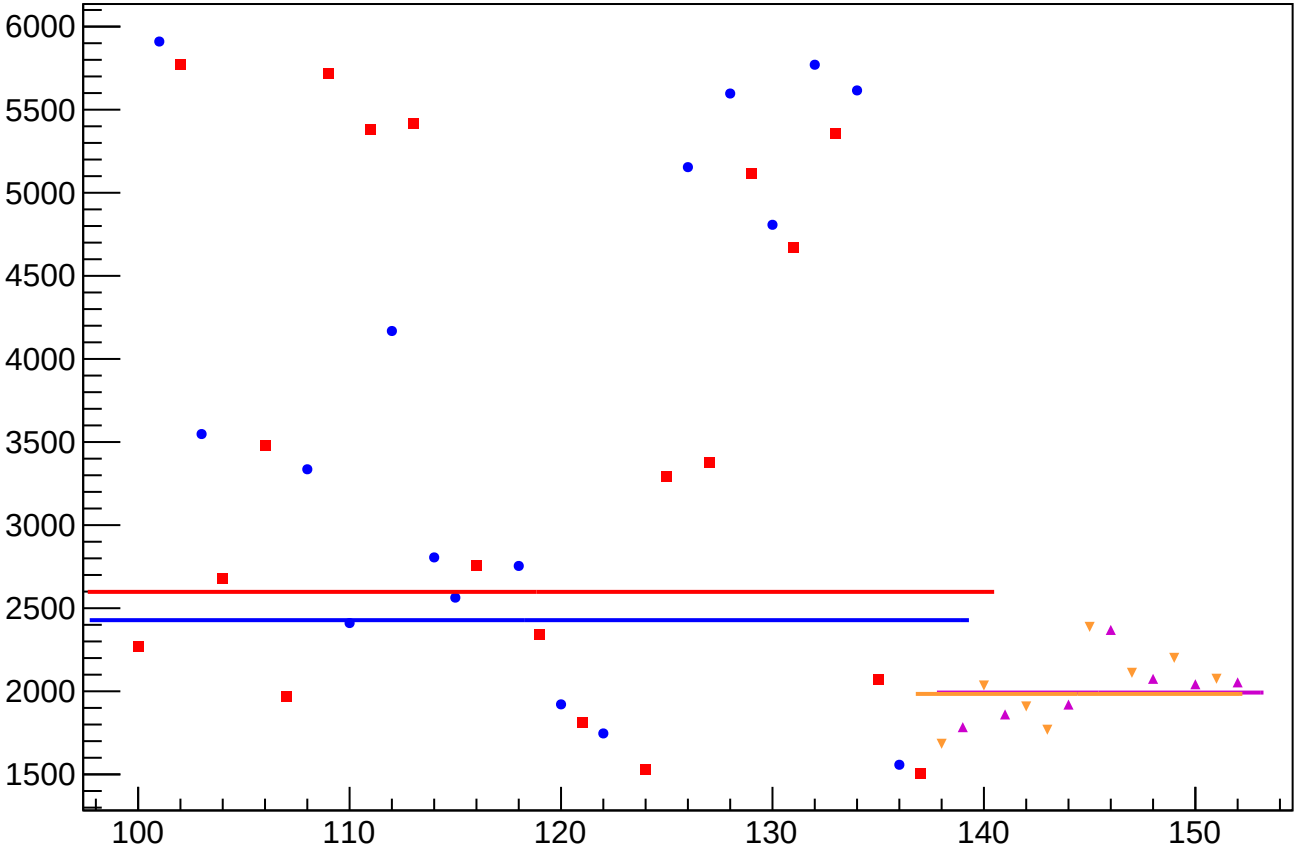
Left In: 20.702+/-0.831 χ^2/NDF:74.1/6

+ sign 3.131+/-0.647 χ^2/NDF: 530.7/23

All: 9.291+/-0.461 χ^2/NDF: 1373.6/49

- sign 15.648+/-0.657 χ^2/NDF: 658.6/25

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1984.266+/-0.582 χ^2/NDF:136975.3/7

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

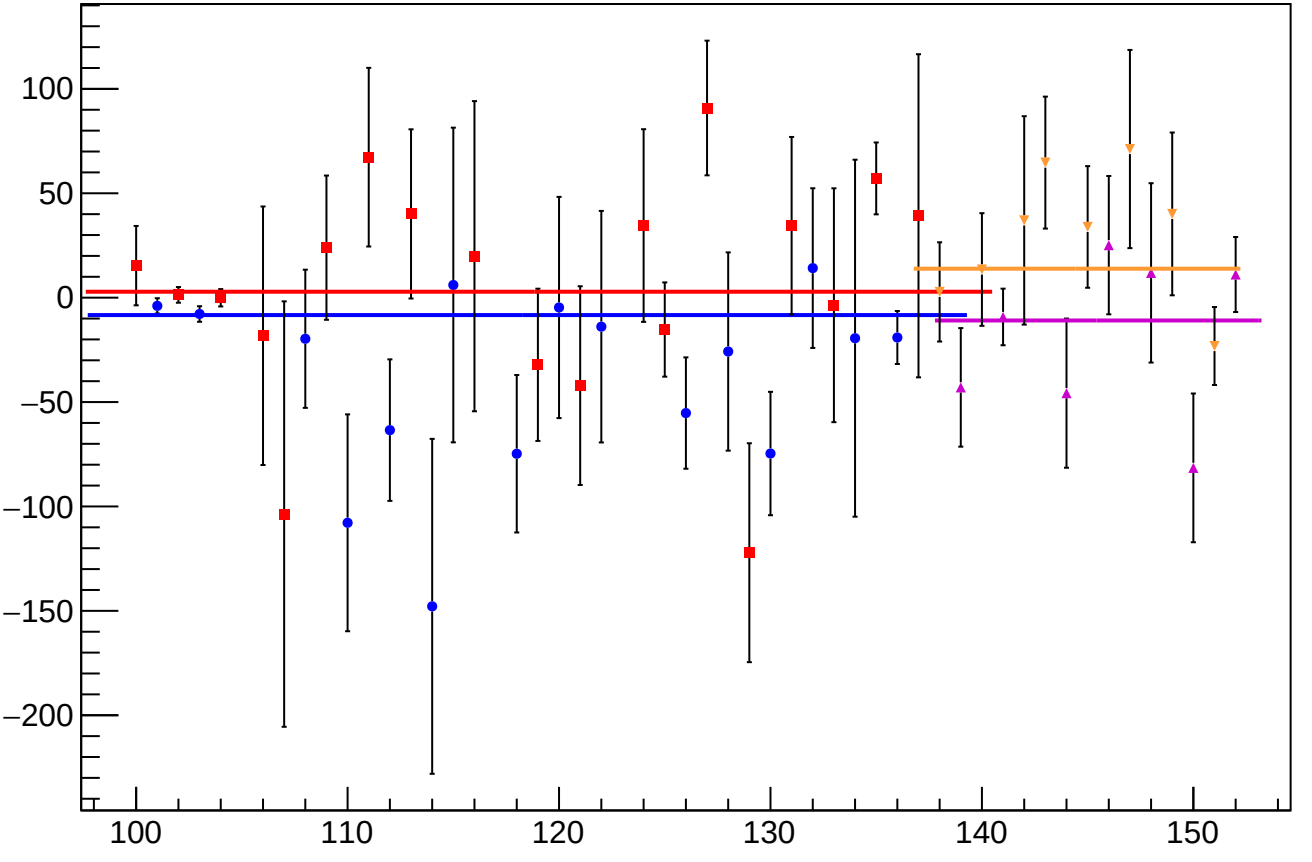
Left In: 1992.379+/-0.587 χ^2/NDF:76928.3/6

+ sign 2154.093+/-0.457 χ^2/NDF: 3174864.3/23

All: 2186.168+/-0.326 χ^2/NDF: 6175240.8/49

- sign 2219.278+/-0.465 χ^2/NDF: 2990376.1/25

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 13.879+/-10.156 χ^2/NDF:9.3/7

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

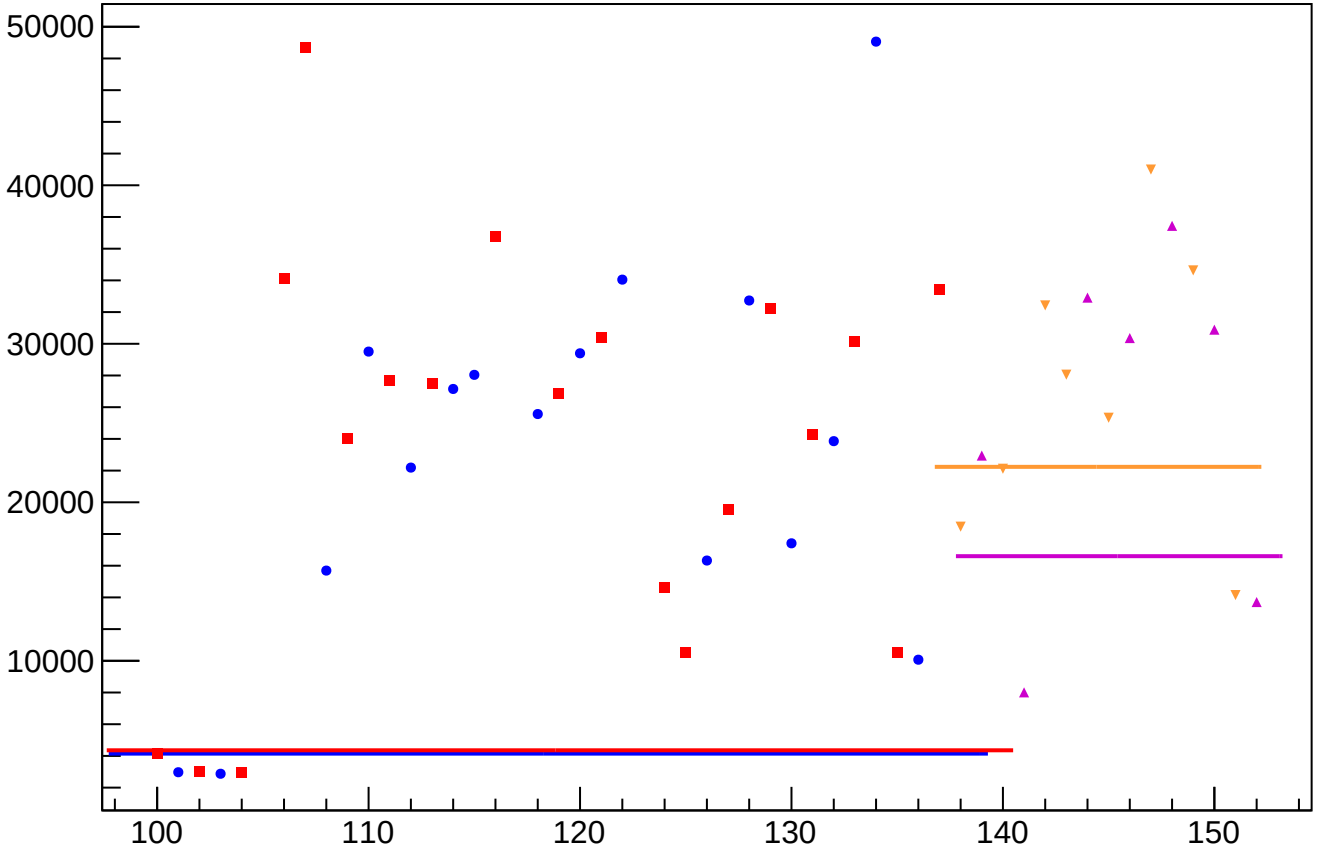
Left In: -10.926+/-8.836 χ^2/NDF:9.1/6

+ sign -7.064+/-2.427 χ^2/NDF: 37.3/23

All: -2.853+/-1.751 χ^2/NDF: 87.5/49

- sign 1.720+/-2.529 χ^2/NDF: 44.0/25

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 22236.587+/-7.181 χ^2/NDF:1113884.6/7

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

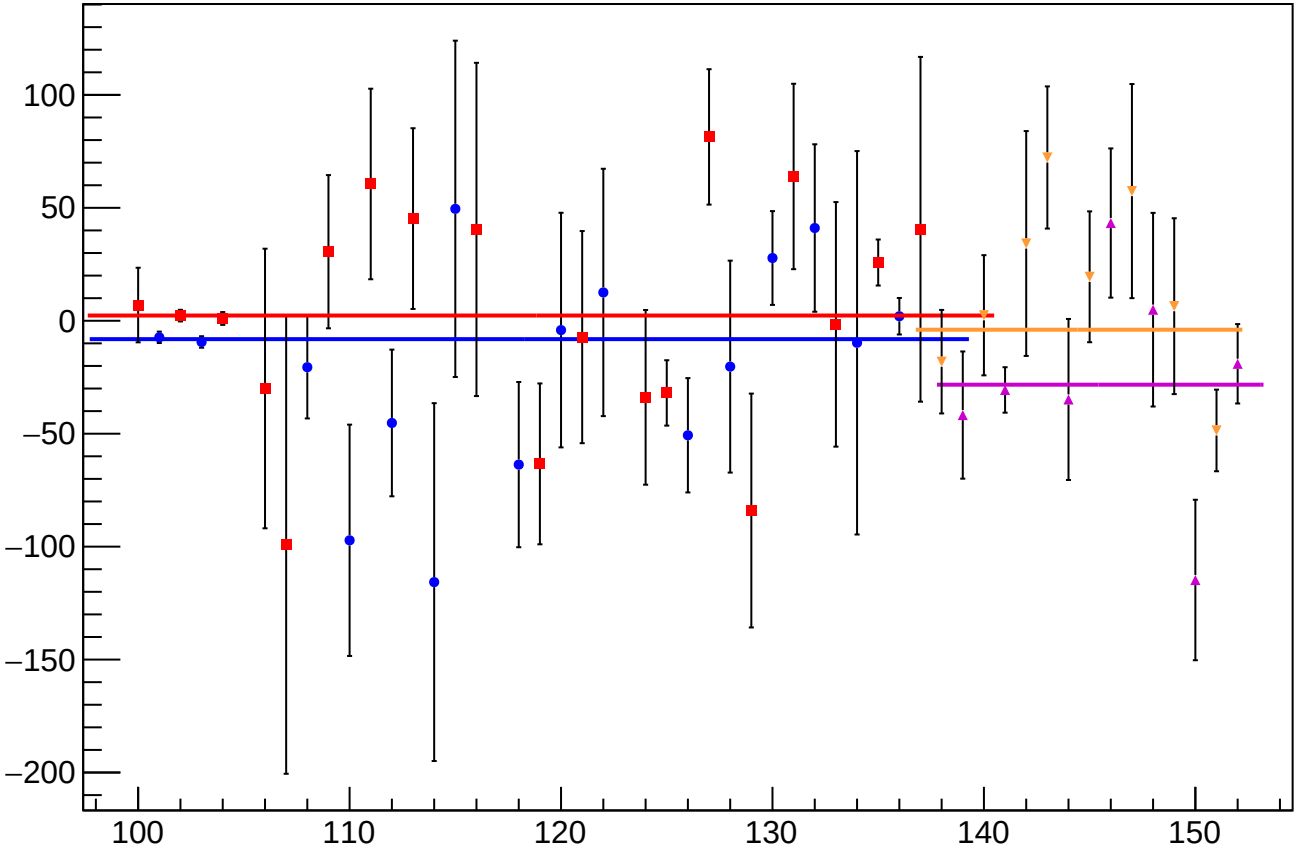
Left In: 16600.966+/-6.248 χ^2/NDF:2510408.3/6

+ sign 5178.941+/-1.716 χ^2/NDF: 13934771.8/23

All: 5264.672+/-1.238 χ^2/NDF: 27602310.1/4

- sign 5357.774+/-1.788 χ^2/NDF: 13662332.4/25

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -3.958+/-9.955 χ^2/NDF:15.4/7

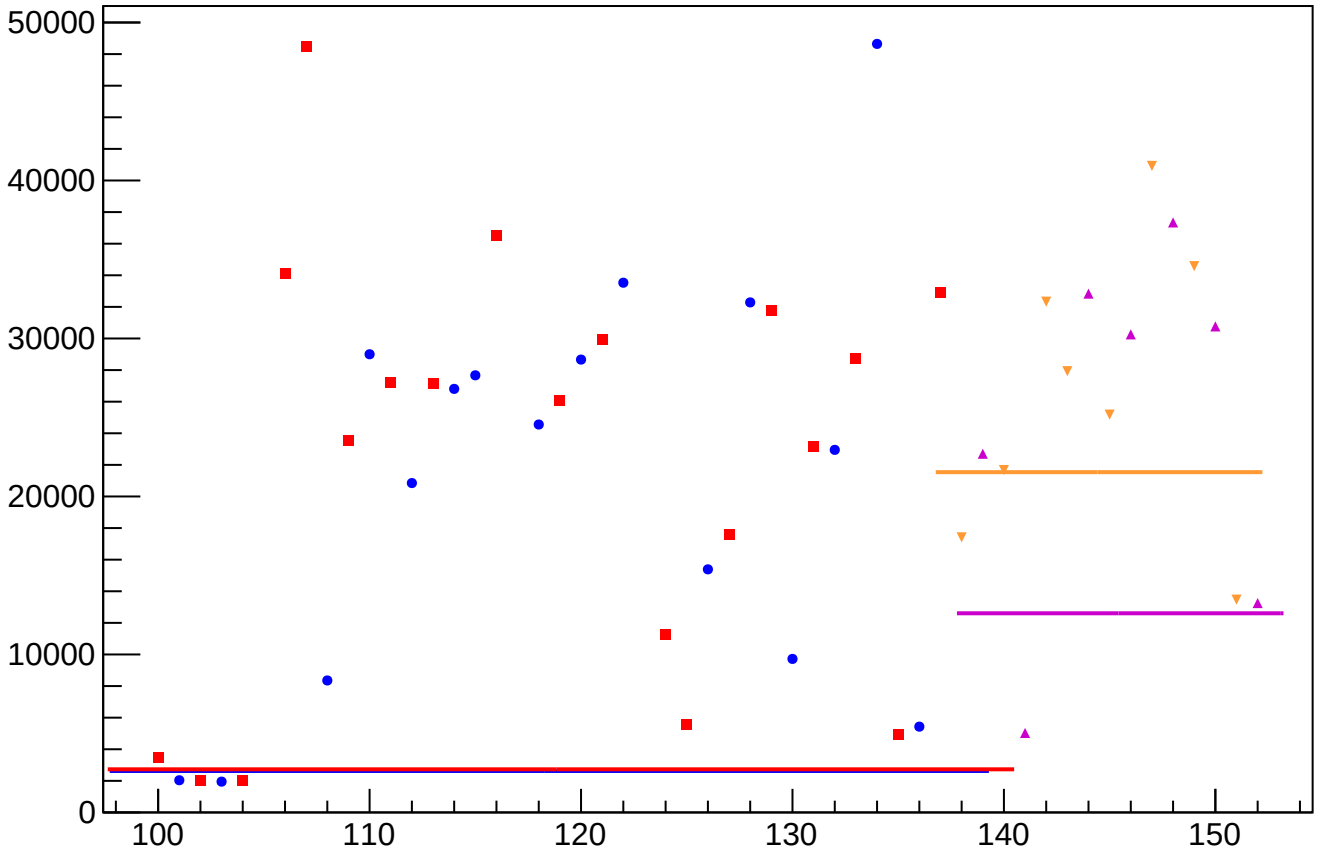
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -28.295+/-7.578 χ^2/NDF:11.8/6

+ sign -8.011+/-1.695 χ^2/NDF: 34.7/23

All: -3.869+/-1.225 χ^2/NDF: 107.5/49

- sign 0.652+/-1.771 χ^2/NDF: 60.3/25



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 21538.947+/-7.039 χ^2/NDF:1230684.5/7

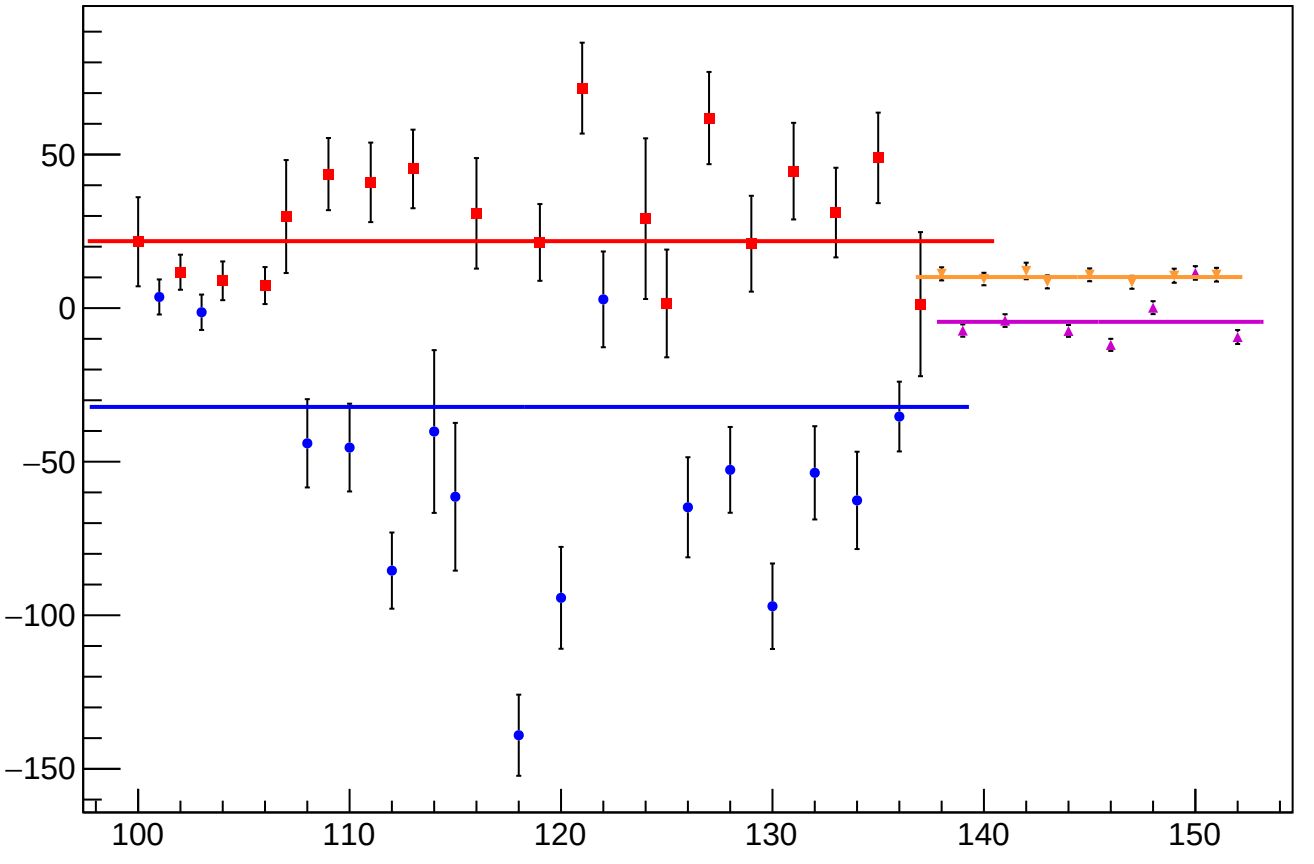
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 12606.397+/-5.359 χ^2/NDF:3797420.9/6

+ sign 3174.860+/-1.199 χ^2/NDF: 15020416.1/23

All: 3220.217+/-0.866 χ^2/NDF: 30018038.1/4

- sign 3269.729+/-1.252 χ^2/NDF: 14994627.5/25



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.114+/-0.777 χ^2/NDF:2.4/7

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

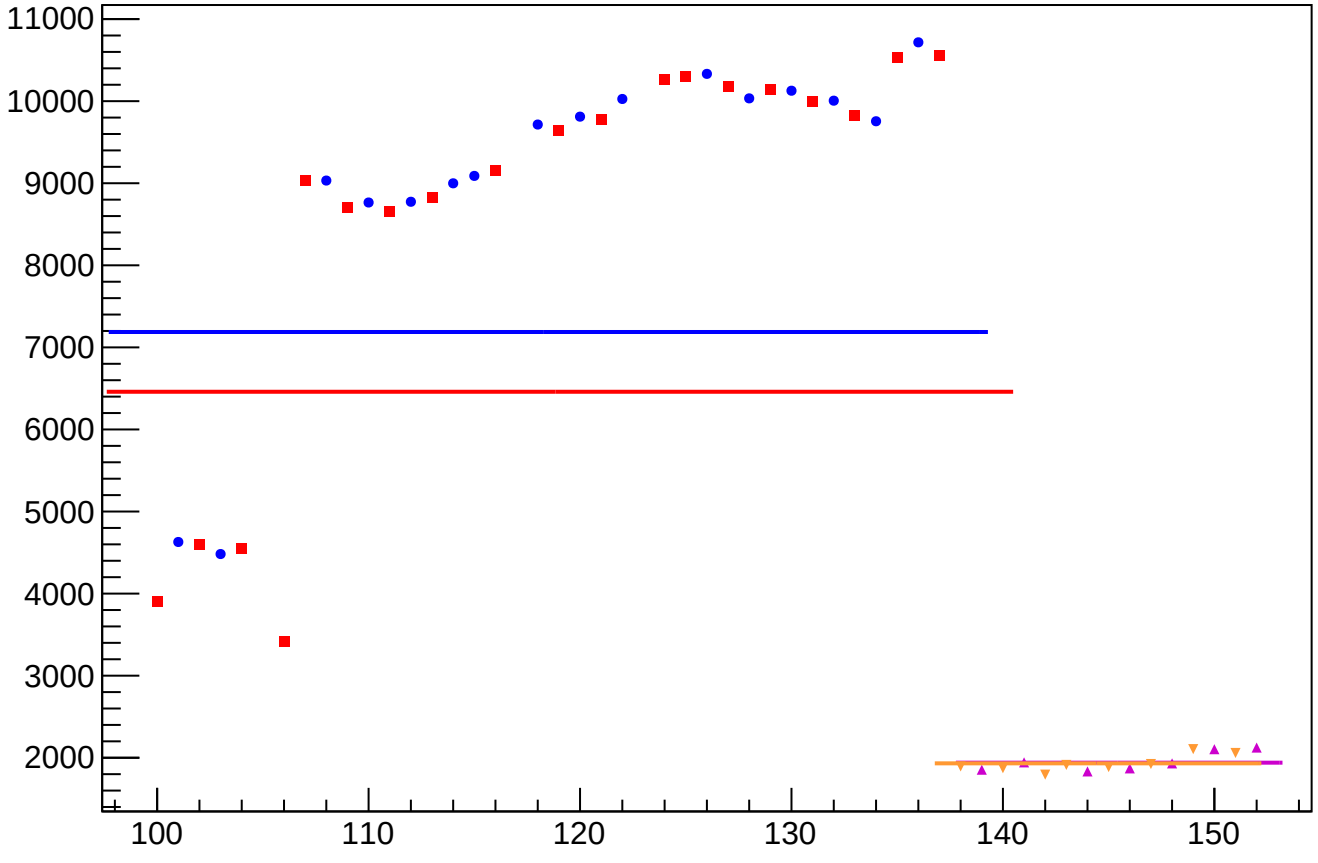
Left In: -4.470+/-0.785 χ^2/NDF:79.6/6

+ sign 7.172+/-0.750 χ^2/NDF: 416.1/23

All: 2.487+/-0.530 χ^2/NDF: 719.5/49

- sign -2.208+/-0.750 χ^2/NDF: 225.2/25

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1931.803+/-0.549 χ^2/NDF:26296.6/7

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

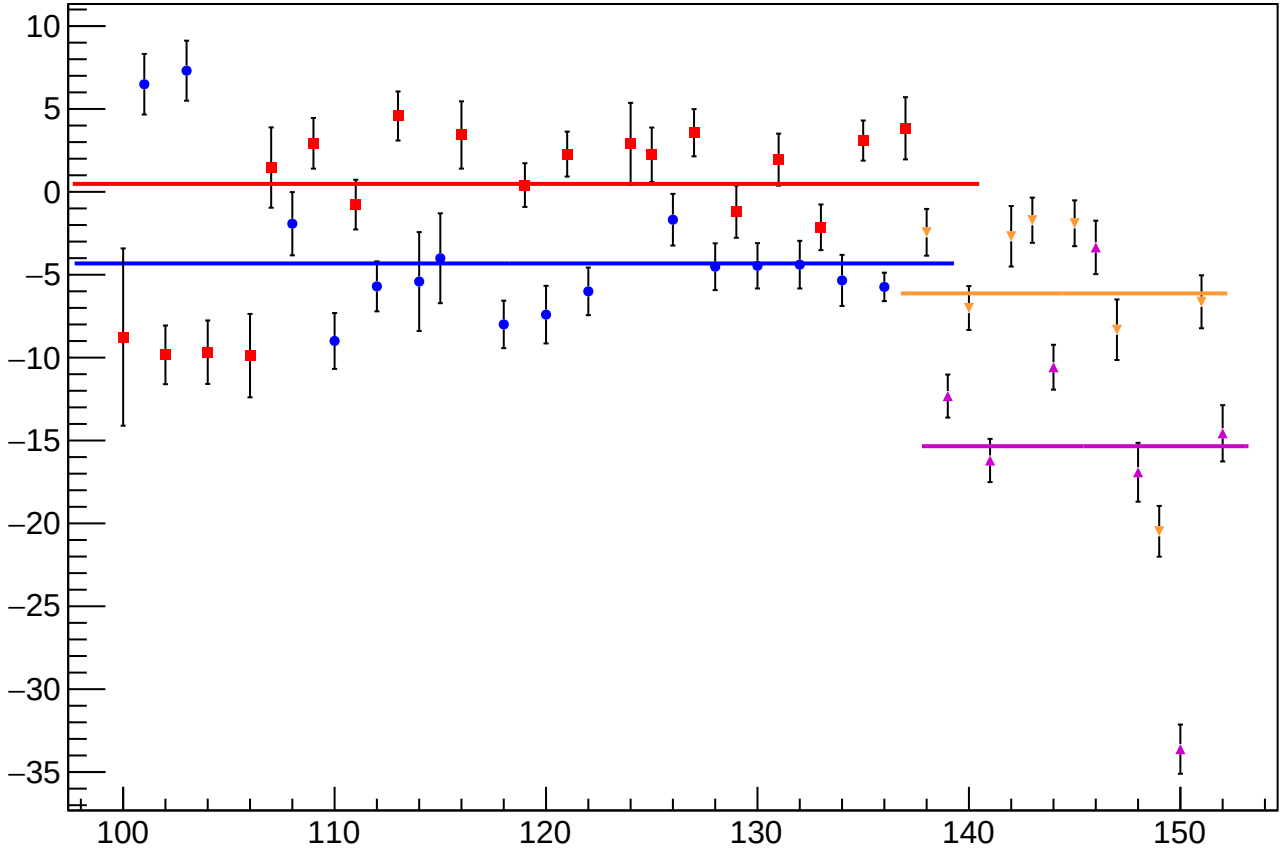
Left In: 1939.984+/-0.555 χ^2/NDF:36076.8/6

+ sign 2297.441+/-0.530 χ^2/NDF: 8097045.1/23

All: 2313.211+/-0.375 χ^2/NDF: 16119638.1/4

- sign 2329.013+/-0.531 χ^2/NDF: 8020820.7/25

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -6.125+/-0.530 χ^2/NDF:120.1/7

Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

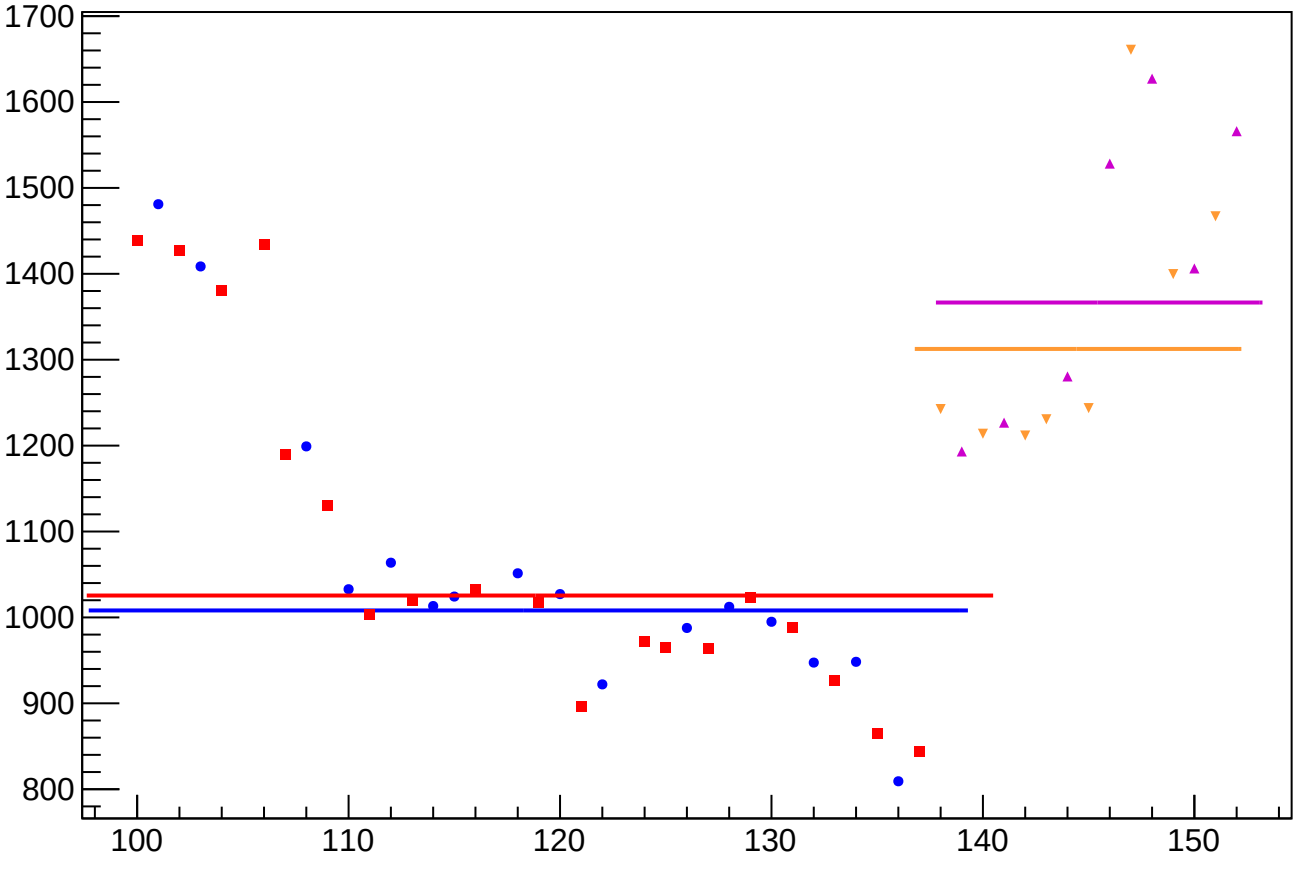
Left In: -15.344+/-0.556 χ^2/NDF:226.0/6

\+ sign -4.931+/-0.309 χ^2/NDF: 231.4/23

All: -4.733+/-0.220 χ^2/NDF: 1128.4/49

\- sign -4.528+/-0.313 χ^2/NDF: 896.1/25

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1312.551+/-0.375 χ^2/NDF:132209.6/7

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

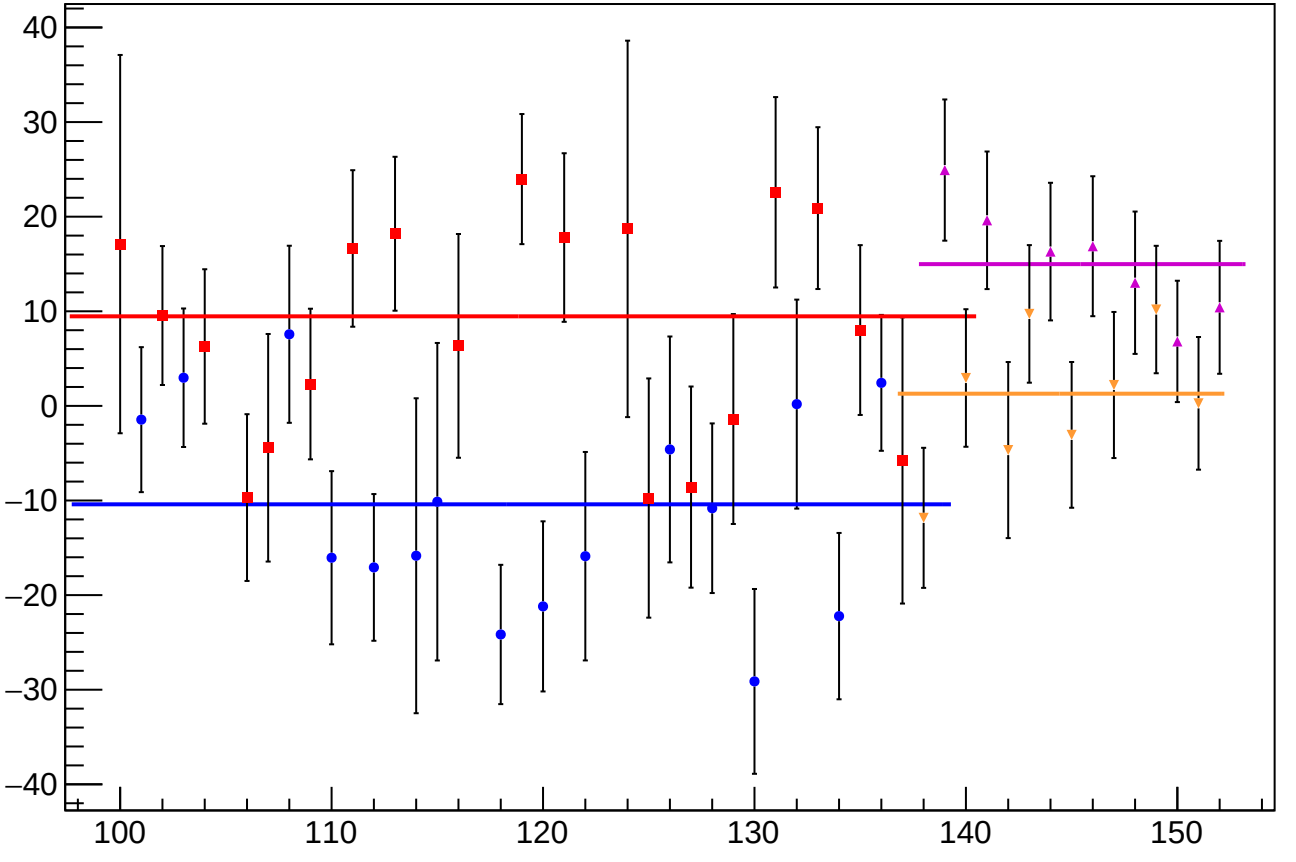
Left In: 1366.582+/-0.393 χ^2/NDF:159043.3/6

+ sign 1111.291+/-0.218 χ^2/NDF: 946680.3/23

All: 1122.224+/-0.155 χ^2/NDF: 1970534.2/49

- sign 1133.461+/-0.221 χ^2/NDF: 1018769.1/25

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: 1.290+/-2.638 χ^2/NDF:7.0/7

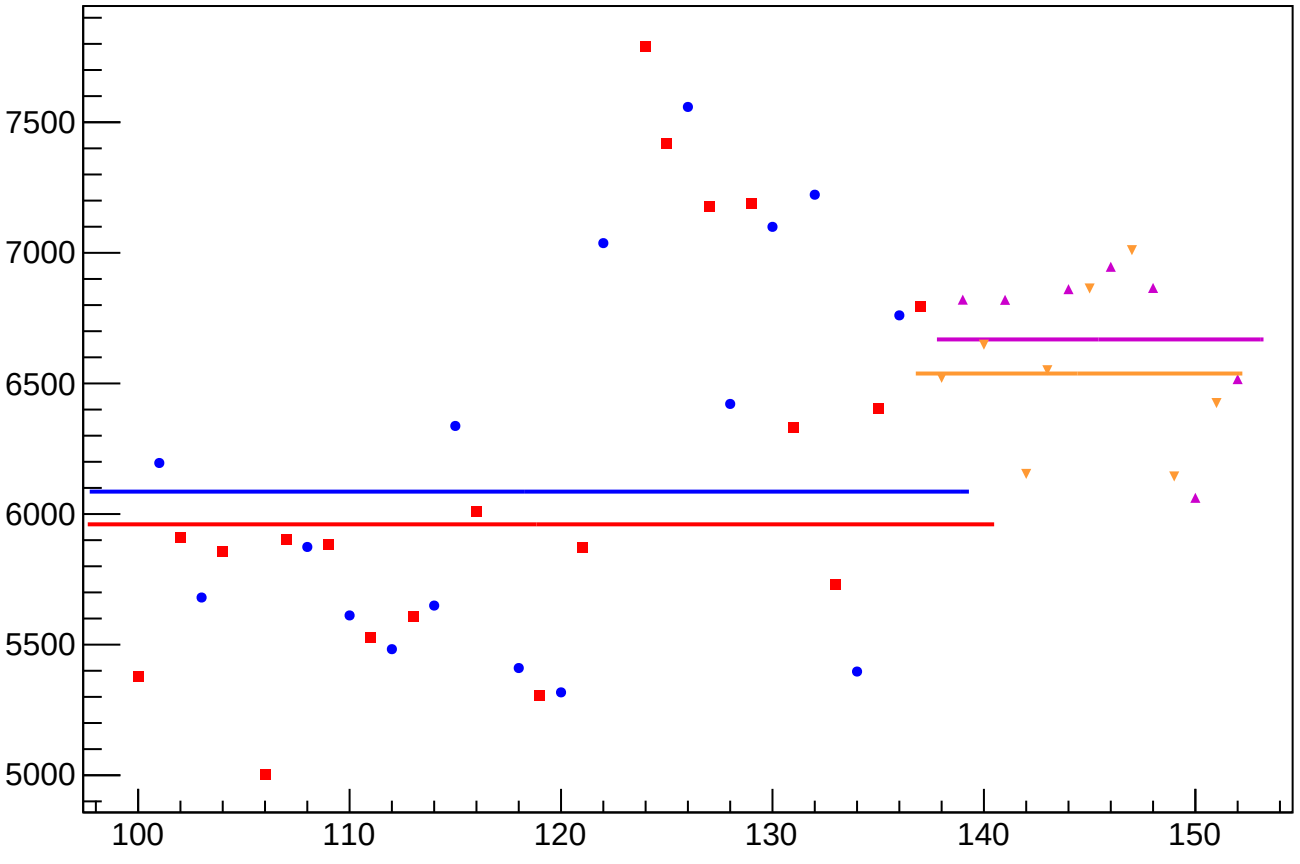
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 14.984+/-2.709 χ^2/NDF:4.4/6

\+ sign -5.405+/-1.725 χ^2/NDF: 42.9/23

All: 3.230+/-1.212 χ^2/NDF: 124.7/49

\- sign 11.649+/-1.703 χ^2/NDF: 32.3/25



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6537.973+/-1.866 χ^2/NDF:22310.3/7

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

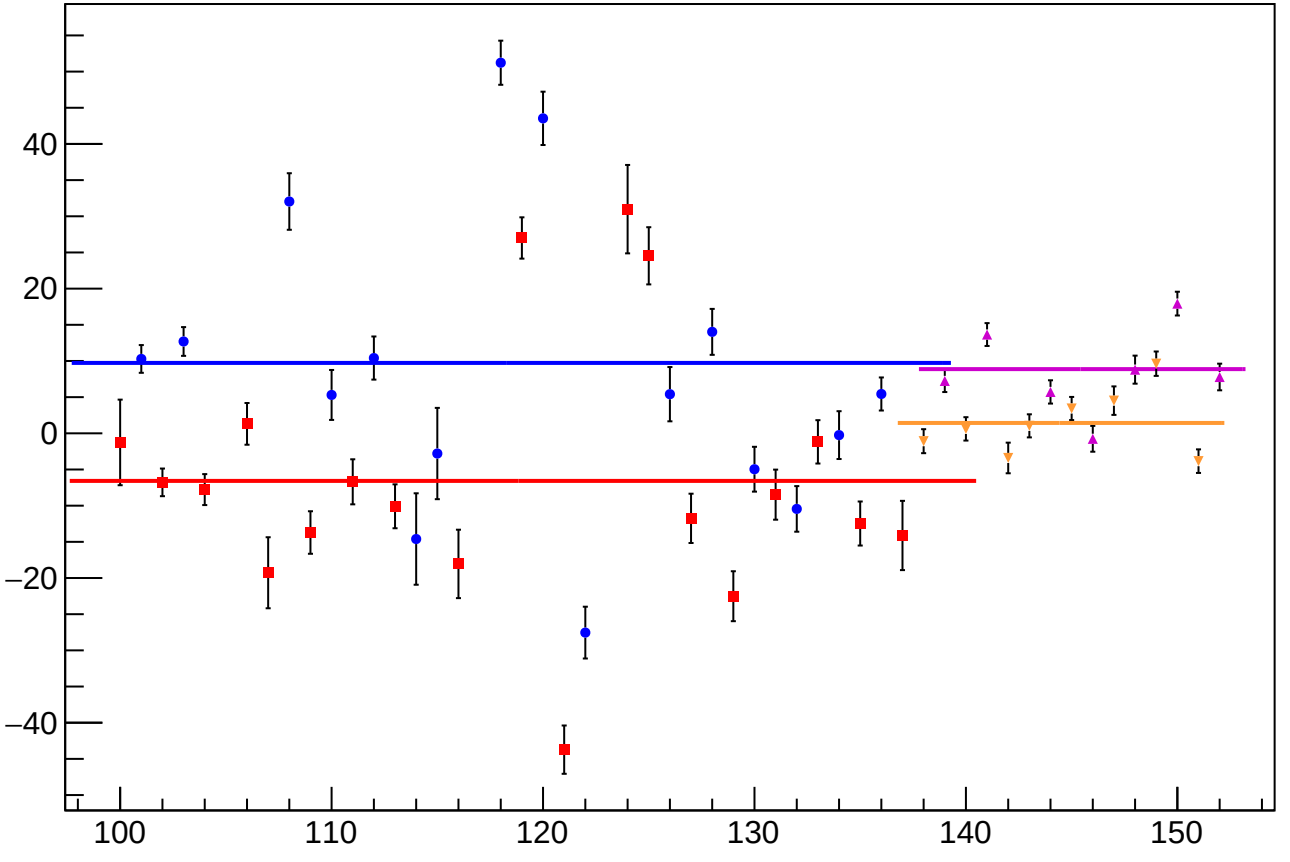
Left In: 6668.492+/-1.915 χ^2/NDF:26113.0/6

+ sign 6279.148+/-1.220 χ^2/NDF: 235046.5/23

All: 6259.609+/-0.857 χ^2/NDF: 507007.9/49

- sign 6240.559+/-1.205 χ^2/NDF: 271454.8/25

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 1.435+/-0.604 χ^2/NDF:46.0/7

Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

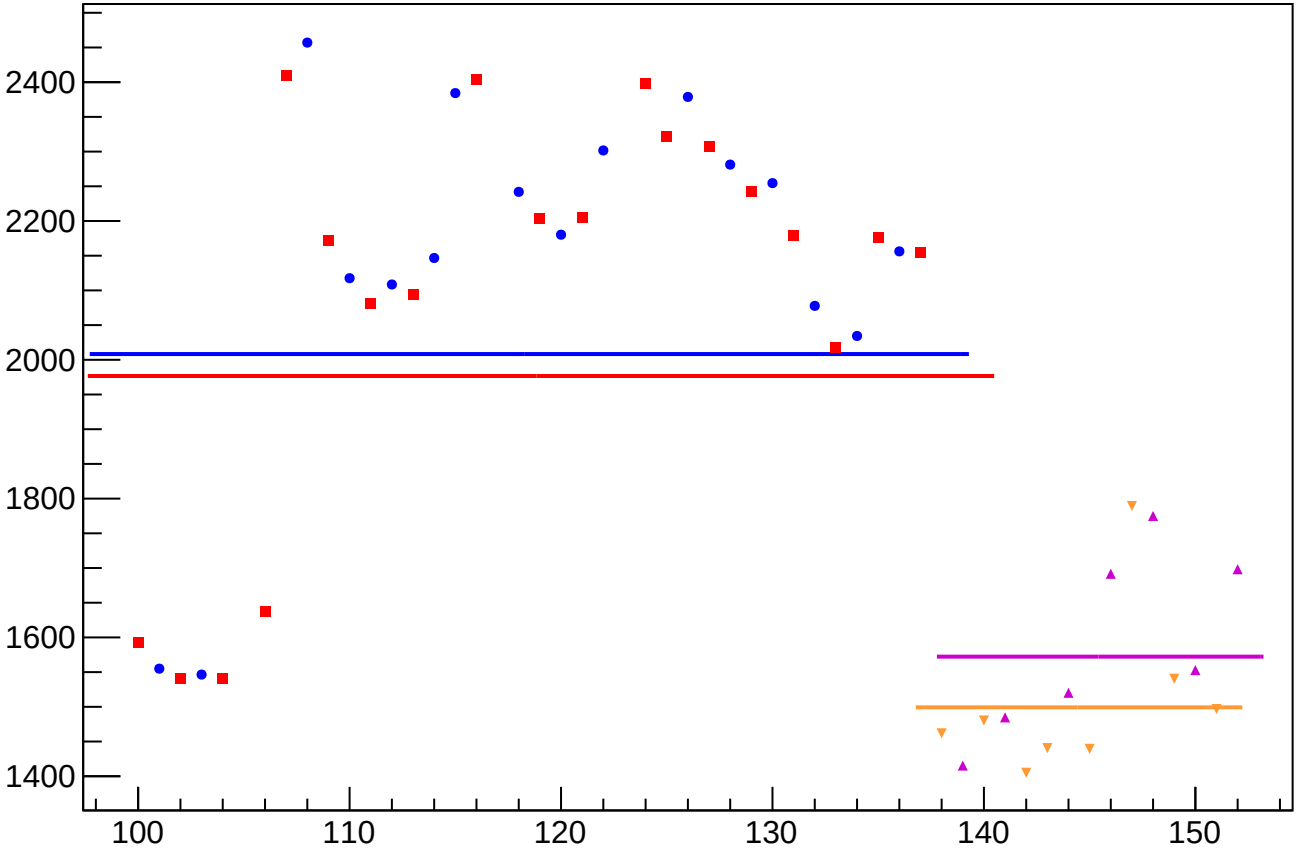
Left In: 8.875+/-0.638 χ^2/NDF:74.0/6

+ sign 4.674+/-0.472 χ^2/NDF: 632.0/23

All: 3.453+/-0.337 χ^2/NDF: 1397.2/49

- sign 2.185+/-0.481 χ^2/NDF: 751.5/25

diff_bpm0l05Y_rms vs Slug



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1499.240+/-0.427 χ^2/NDF:55369.2/7

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

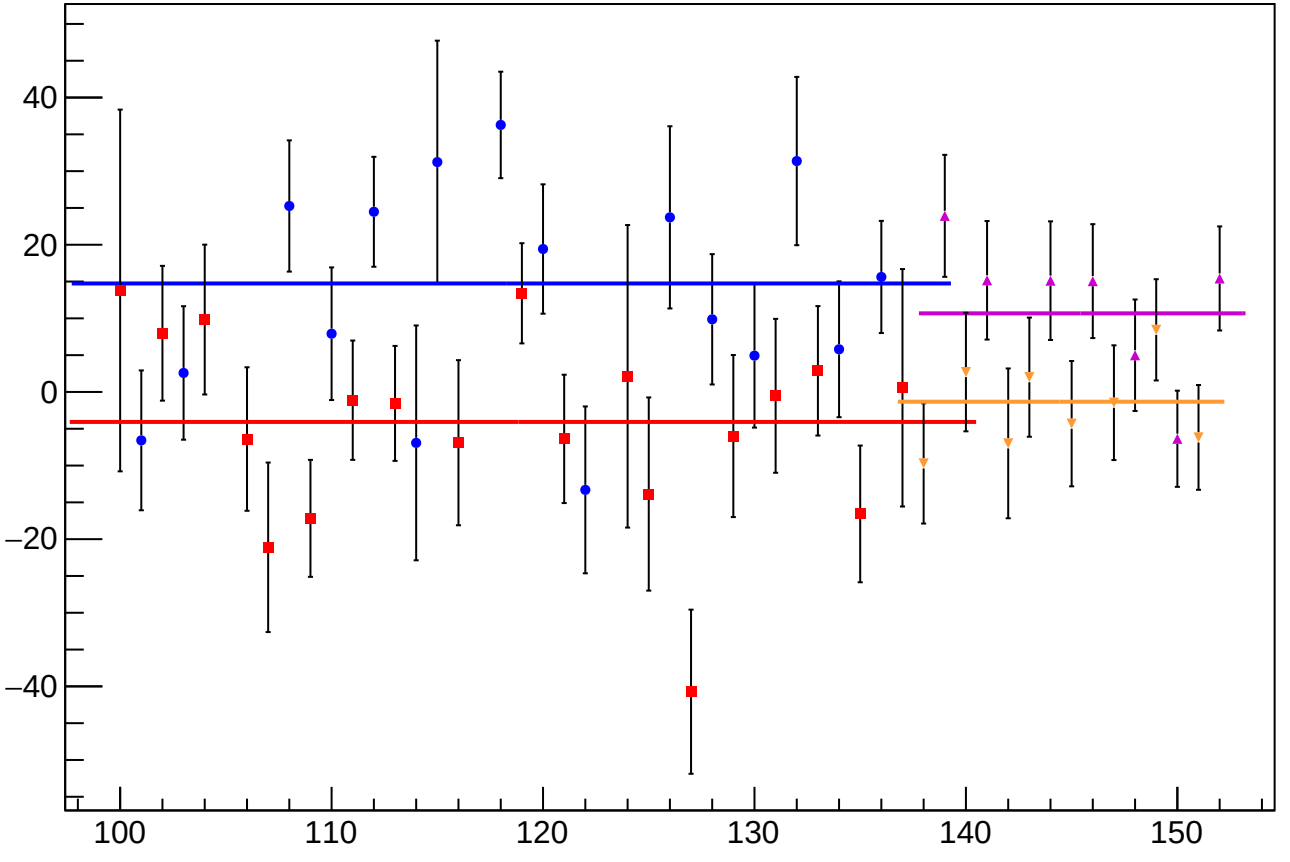
Left In: 1572.311+/-0.451 χ^2/NDF:69498.6/6

+ sign 1697.927+/-0.333 χ^2/NDF: 954211.6/23

All: 1722.201+/-0.238 χ^2/NDF: 1747515.3/49

- sign 1747.405+/-0.340 χ^2/NDF: 782505.0/25

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -1.324+/-2.812 χ^2/NDF:4.4/7

Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

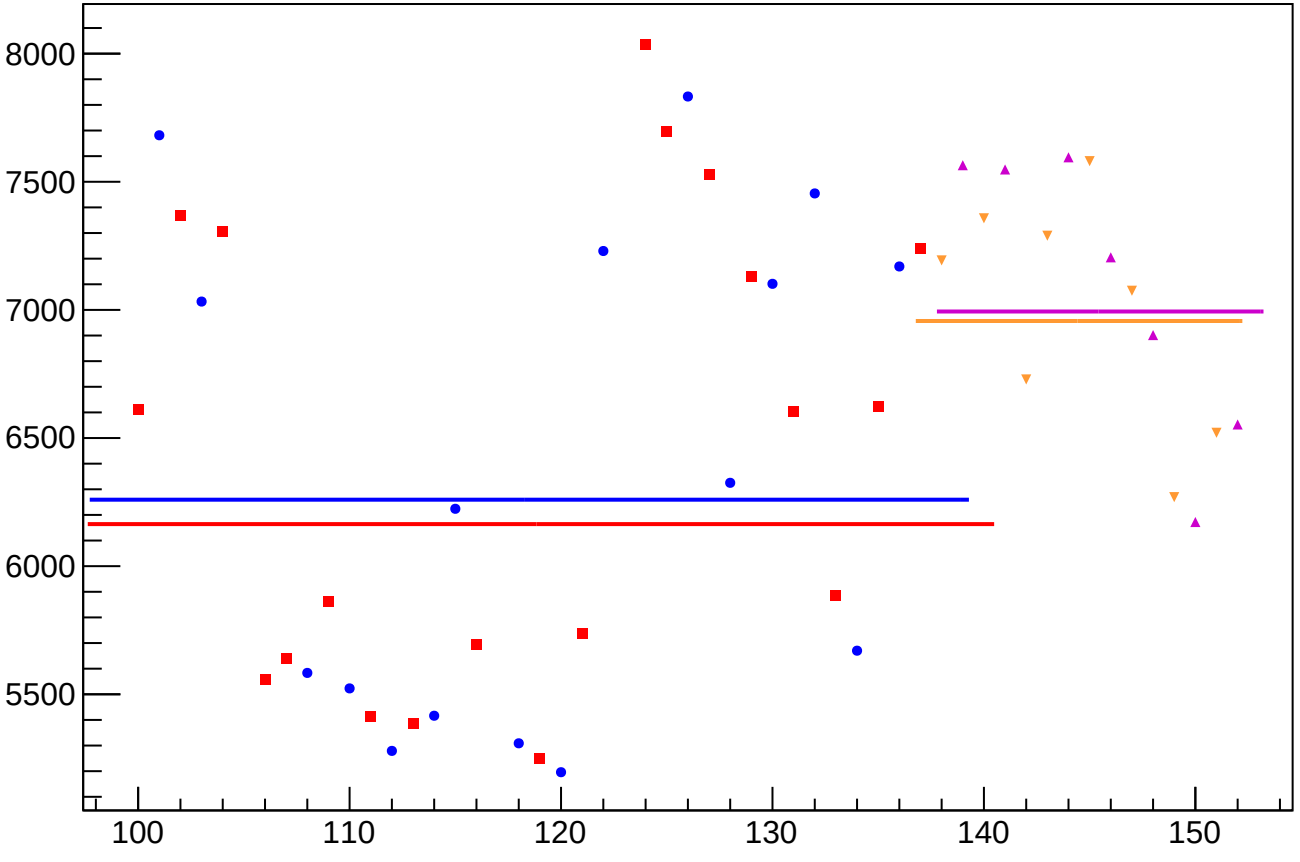
Left In: 10.681+/-2.852 χ^2/NDF:11.3/6

+ sign 8.109+/-1.807 χ^2/NDF: 57.1/23

All: 4.833+/-1.267 χ^2/NDF: 121.4/49

- sign 1.662+/-1.778 χ^2/NDF: 57.8/25

diff_bpm0l06X_rms vs Slug



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6956.730+/-1.988 χ^2/NDF:49701.6/7

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

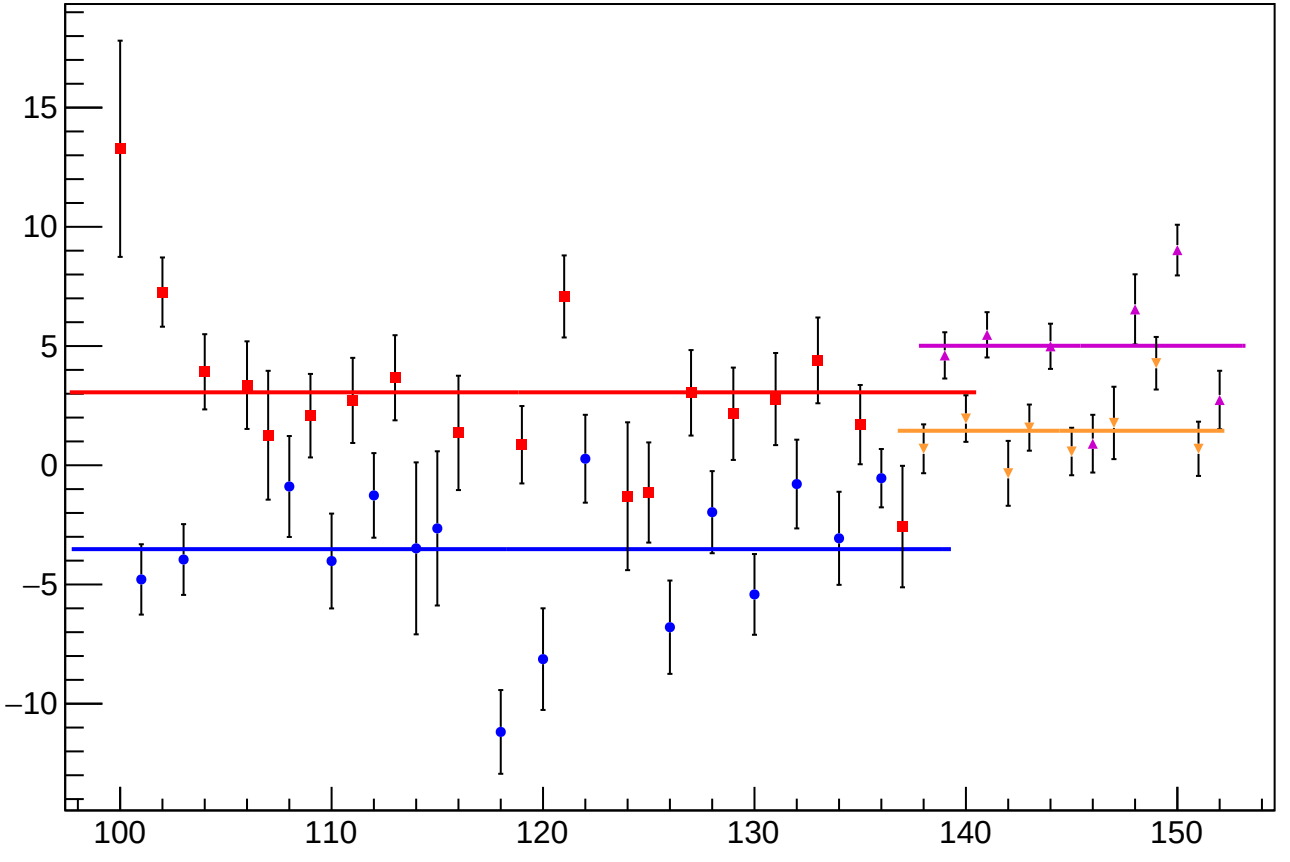
Left In: 6993.770+/-2.017 χ^2/NDF:71292.1/6

+ sign 6547.250+/-1.278 χ^2/NDF: 430527.2/23

All: 6516.418+/-0.896 χ^2/NDF: 871503.5/49

- sign 6486.561+/-1.257 χ^2/NDF: 439829.7/25

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.447+/-0.388 χ^2/NDF:10.4/7

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

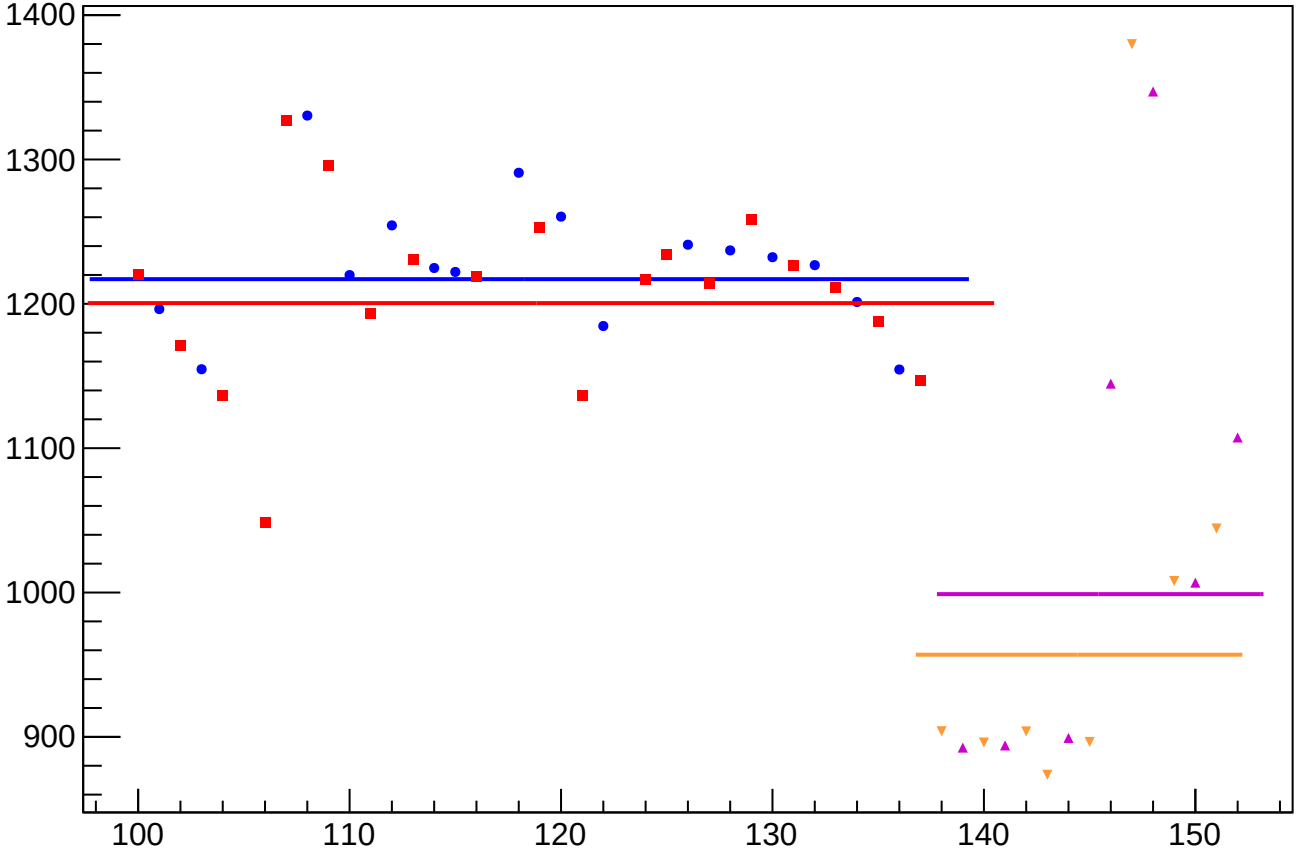
Left In: 5.011+/-0.409 χ^2/NDF:30.7/6

+ sign -0.656+/-0.294 χ^2/NDF: 124.9/23

All: 1.687+/-0.210 χ^2/NDF: 329.6/49

- sign 4.103+/-0.299 χ^2/NDF: 76.1/25

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 956.929+/-0.274 χ^2/NDF:209723.5/7

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

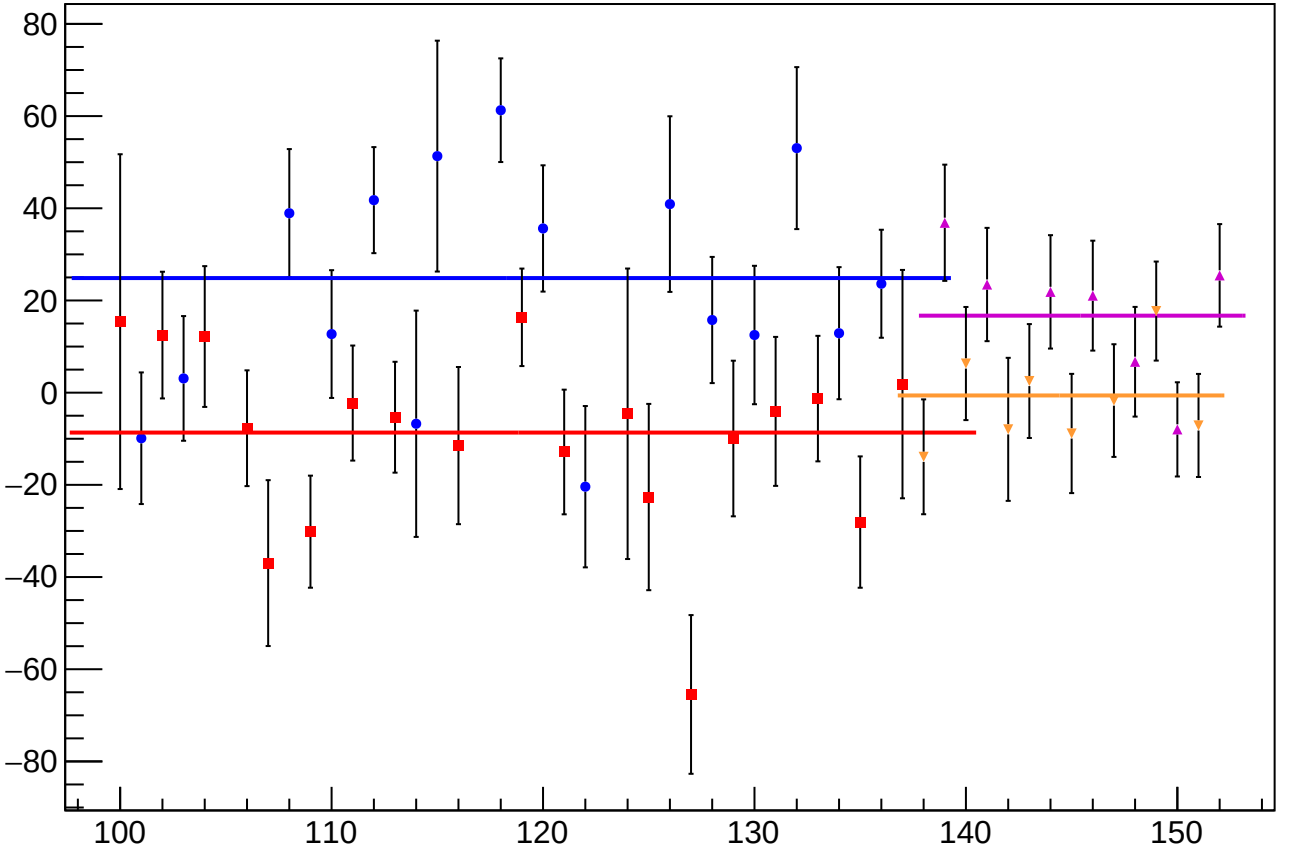
Left In: 998.898+/-0.289 χ^2/NDF:227367.4/6

+ sign 1067.124+/-0.208 χ^2/NDF: 612667.4/23

All: 1079.727+/-0.148 χ^2/NDF: 1111278.4/49

- sign 1092.727+/-0.211 χ^2/NDF: 491167.4/25

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -0.606+/-4.339 χ^2/NDF:5.4/7

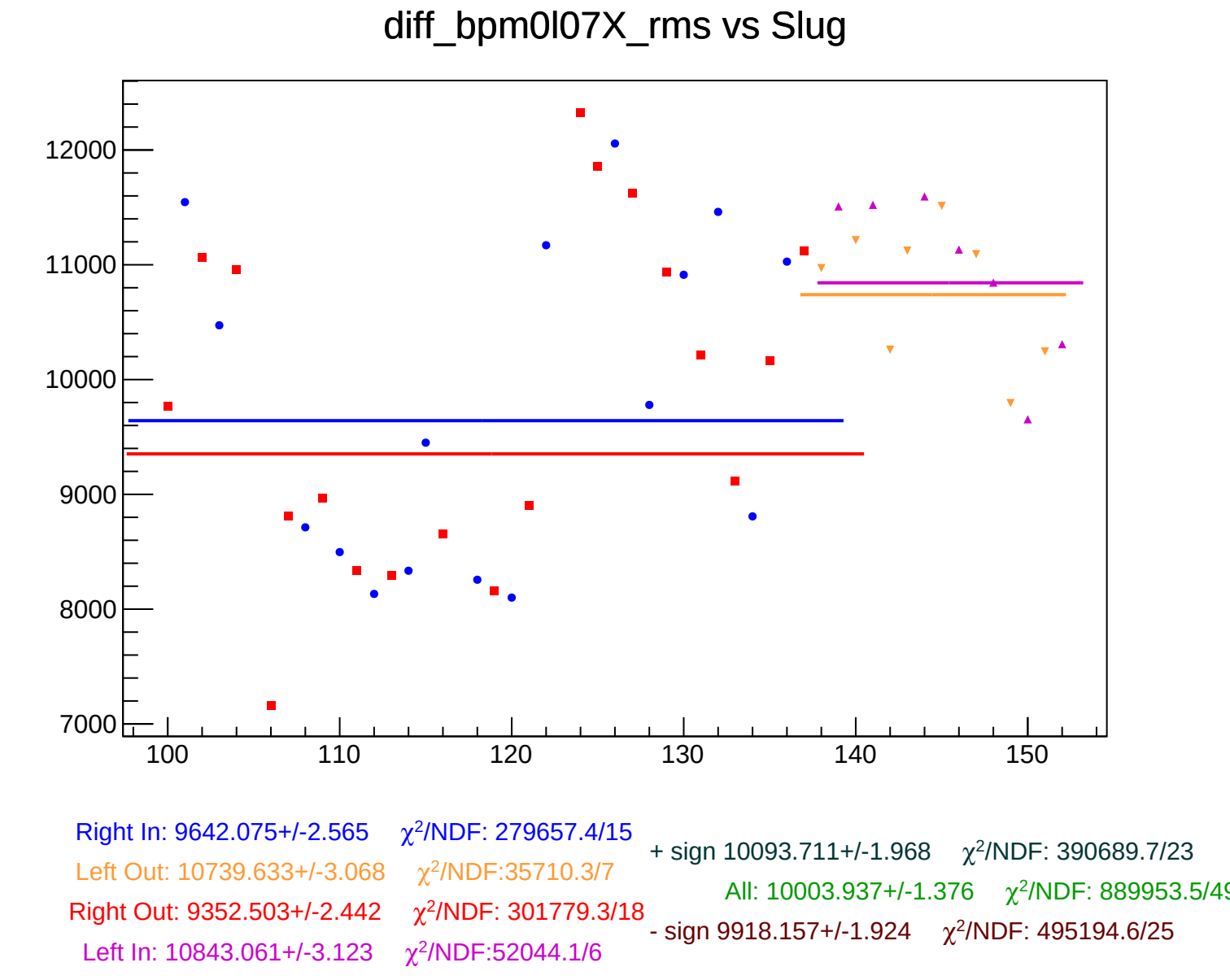
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 16.704+/-4.416 χ^2/NDF:10.3/6

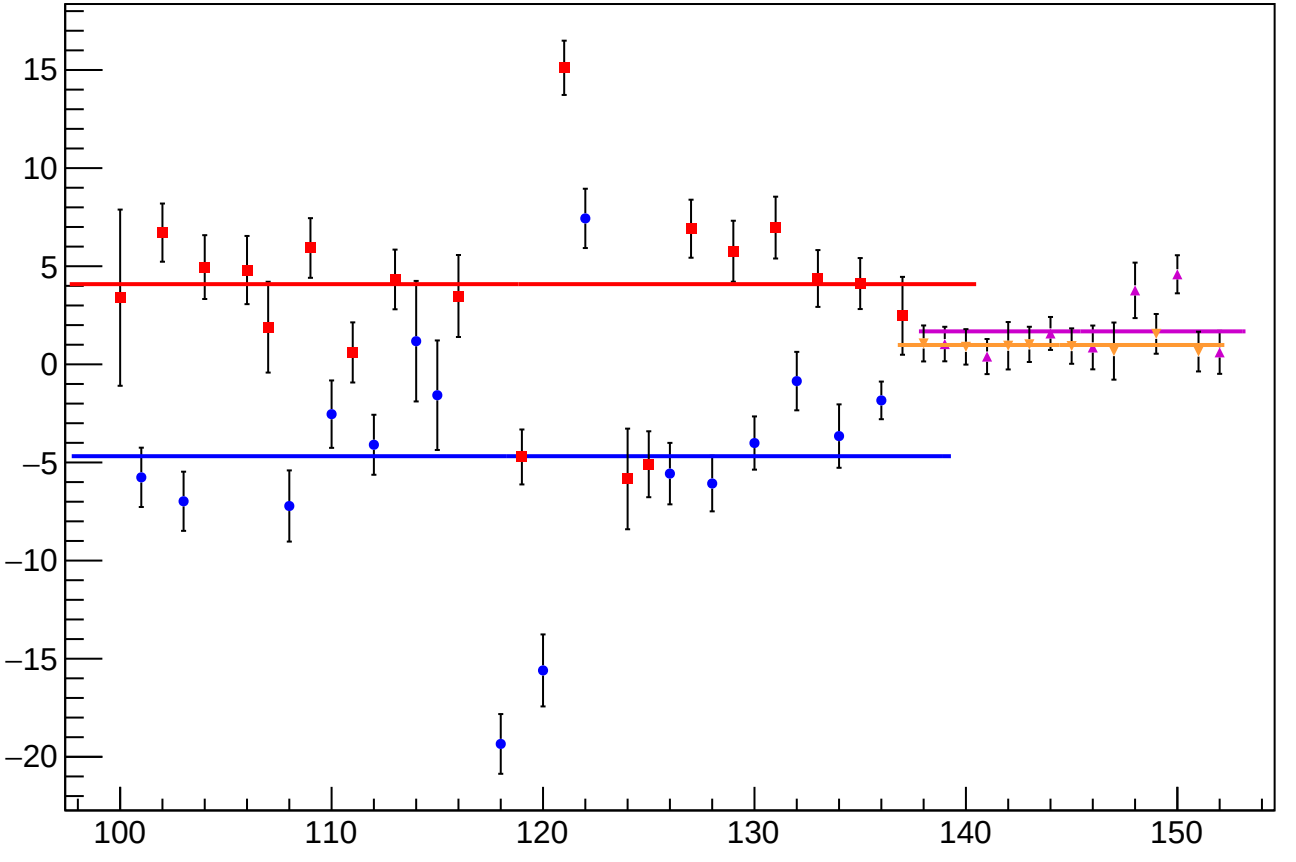
+ sign 14.381+/-2.783 χ^2/NDF: 63.8/23

All: 7.521+/-1.945 χ^2/NDF: 136.6/49

- sign 0.966+/-2.721 χ^2/NDF: 60.9/25


diff_bpm0l07X_rms vs Slug
12000
11000
10000
9000
8000
7000
100
110
120
130
140
150
Right In: 9642.075+/-2.565 χ²/NDF: 279657.4/15
Left Out: 10739.633+/-3.068 χ²/NDF:35710.3/7
Right Out: 9352.503+/-2.442 χ²/NDF: 301779.3/18
Left In: 10843.061+/-3.123 χ²/NDF:52044.1/6
+ sign 10093.711+/-1.968 χ²/NDF: 390689.7/23
All: 10003.937+/-1.376 χ²/NDF: 889953.5/49
- sign 9918.157+/-1.924 χ²/NDF: 495194.6/25

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.986+/-0.354 χ^2/NDF:0.5/7

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

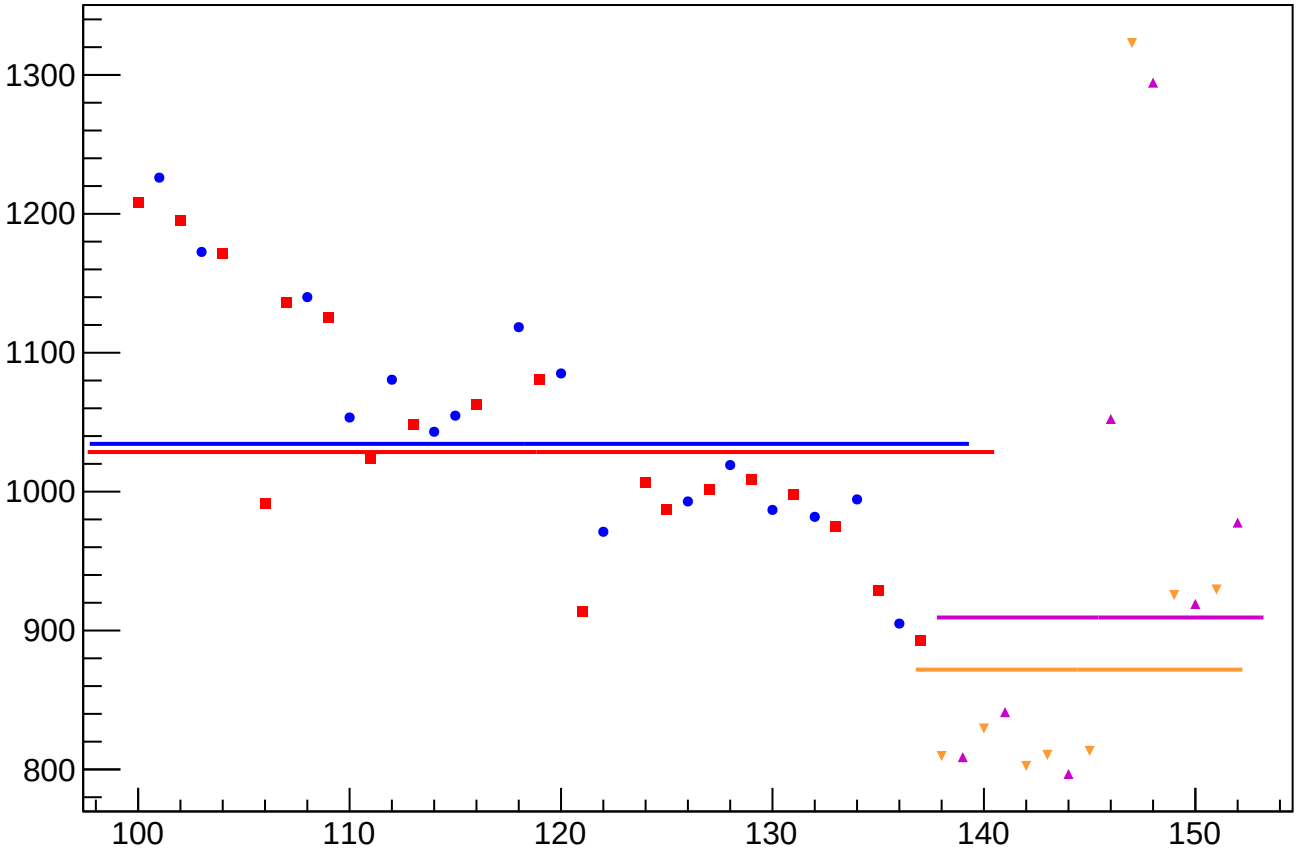
Left In: 1.680+/-0.374 χ^2/NDF:15.3/6

\+ sign -1.602+/-0.261 χ^2/NDF: 338.9/23

All: 0.598+/-0.186 χ^2/NDF: 687.7/49

\- sign 2.875+/-0.265 χ^2/NDF: 203.9/25

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 871.855+/-0.250 χ^2/NDF:242234.7/7

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

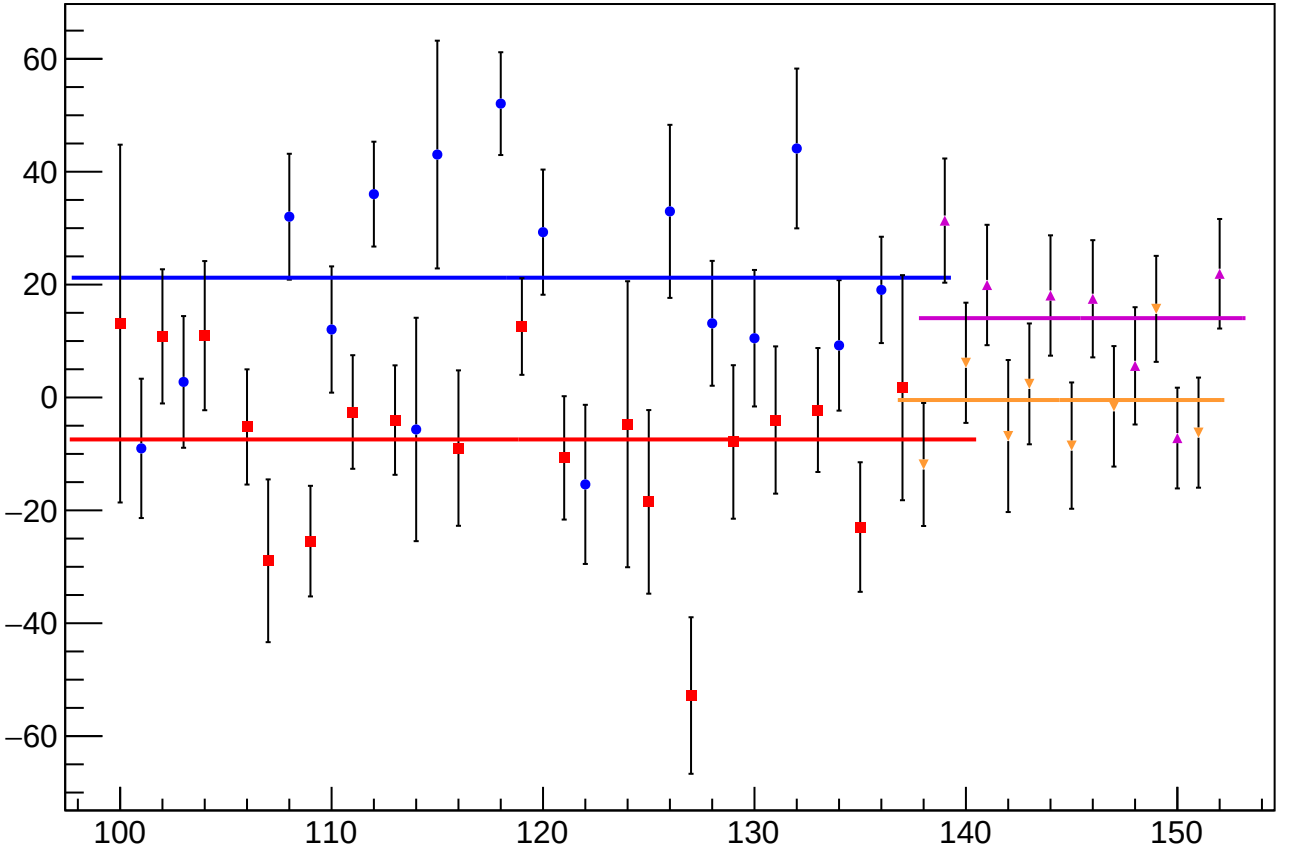
Left In: 909.381+/-0.264 χ^2/NDF:263022.0/6

+ sign 946.098+/-0.184 χ^2/NDF: 548402.4/23

All: 957.117+/-0.131 χ^2/NDF: 1021189.5/49

- sign 968.518+/-0.188 χ^2/NDF: 465518.5/25

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -0.451+/-3.778 χ^2/NDF:5.6/7

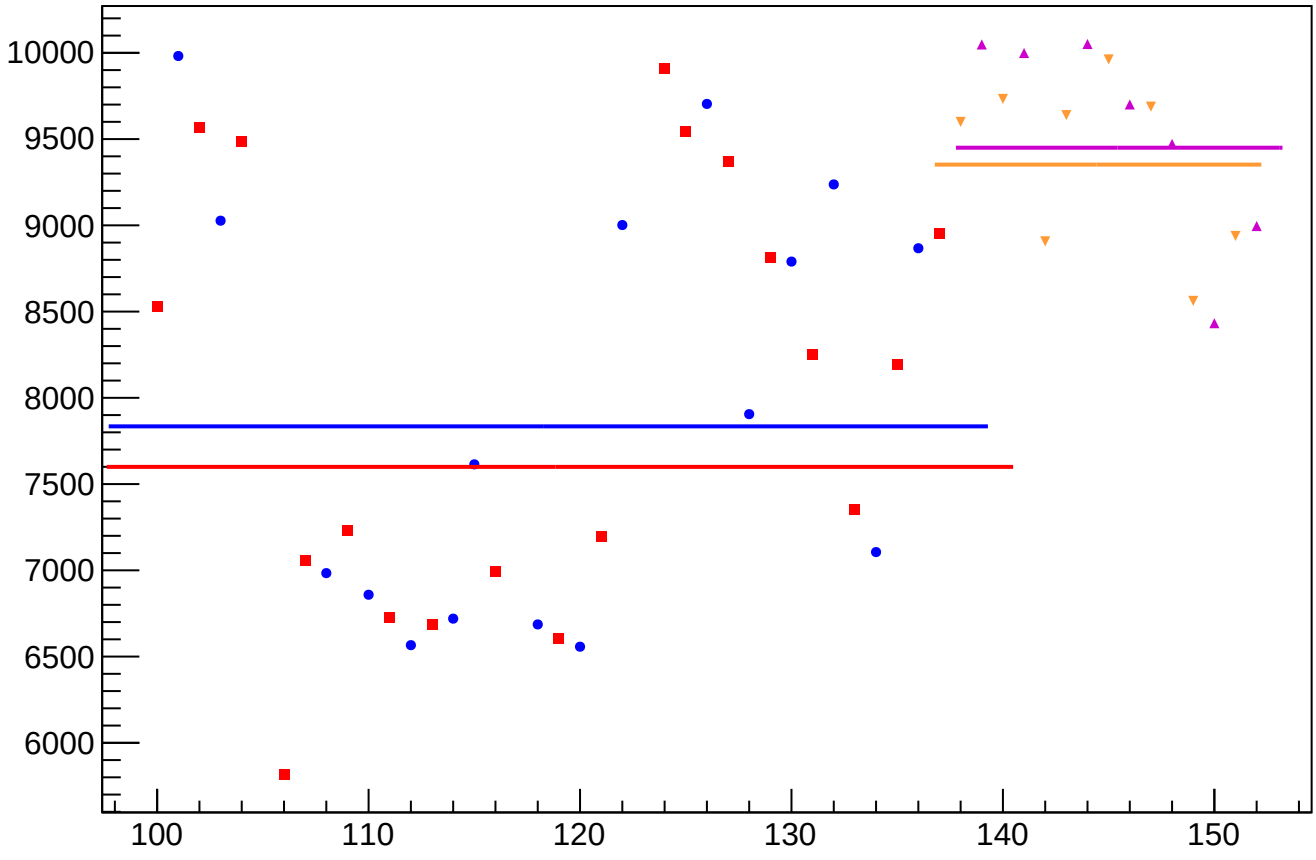
Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: 14.057+/-3.848 χ^2/NDF:10.0/6

+ sign 13.006+/-2.326 χ^2/NDF: 66.1/23

All: 6.364+/-1.624 χ^2/NDF: 142.2/49

- sign 0.041+/-2.269 χ^2/NDF: 60.2/25



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9352.083+/-2.671 χ^2/NDF:32874.7/7

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

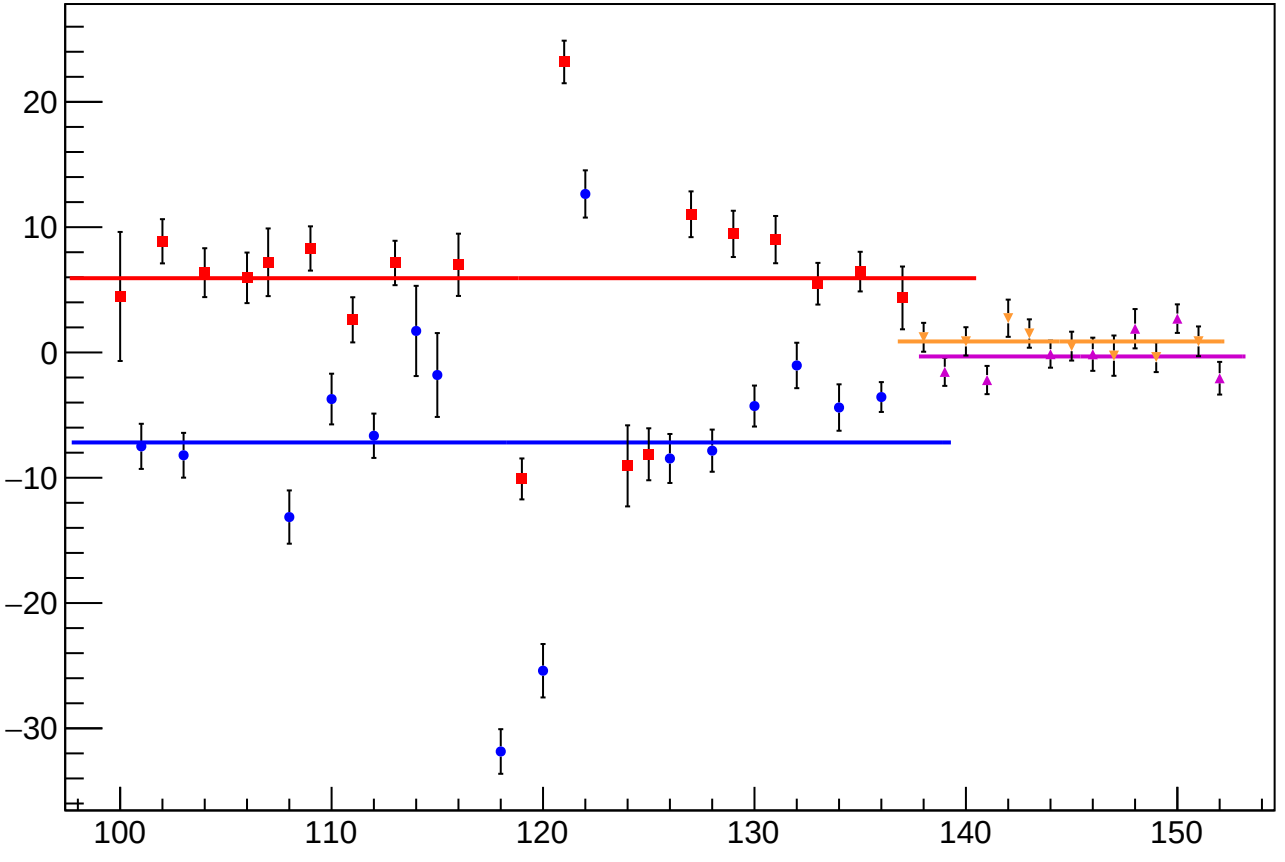
Left In: 9450.040+/-2.721 χ^2/NDF:49114.7/6

+ sign 8409.909+/-1.645 χ^2/NDF: 551348.3/23

All: 8324.617+/-1.149 χ^2/NDF: 1251605.2/49

- sign 8243.415+/-1.605 χ^2/NDF: 695006.9/25

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.878+/-0.434 χ^2/NDF:3.7/7

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

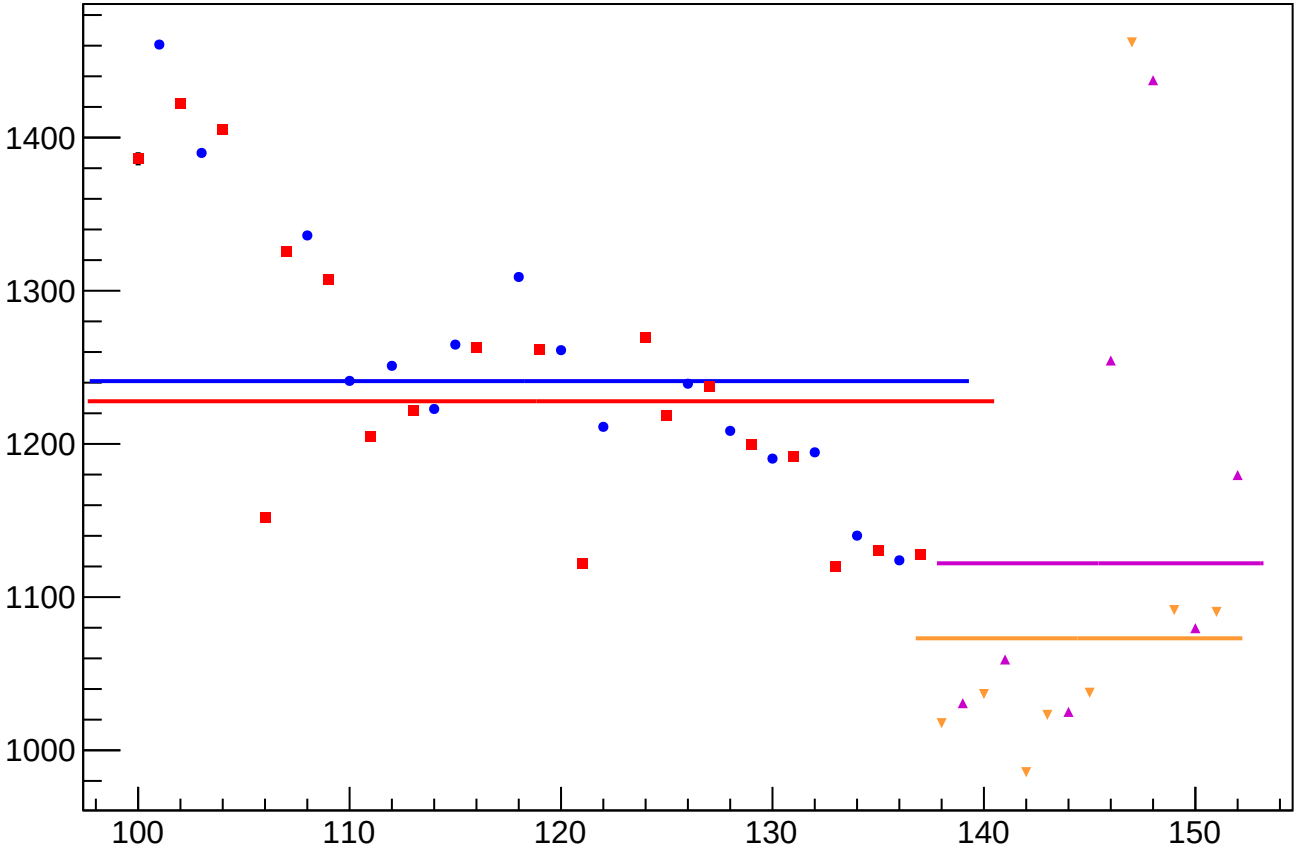
Left In: -0.319+/-0.458 χ^2/NDF:14.8/6

+ sign -2.894+/-0.316 χ^2/NDF: 587.6/23

All: -0.054+/-0.225 χ^2/NDF: 1151.1/49

- sign 2.864+/-0.321 χ^2/NDF: 400.0/25

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1073.104+/-0.307 χ^2/NDF:137365.6/7

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

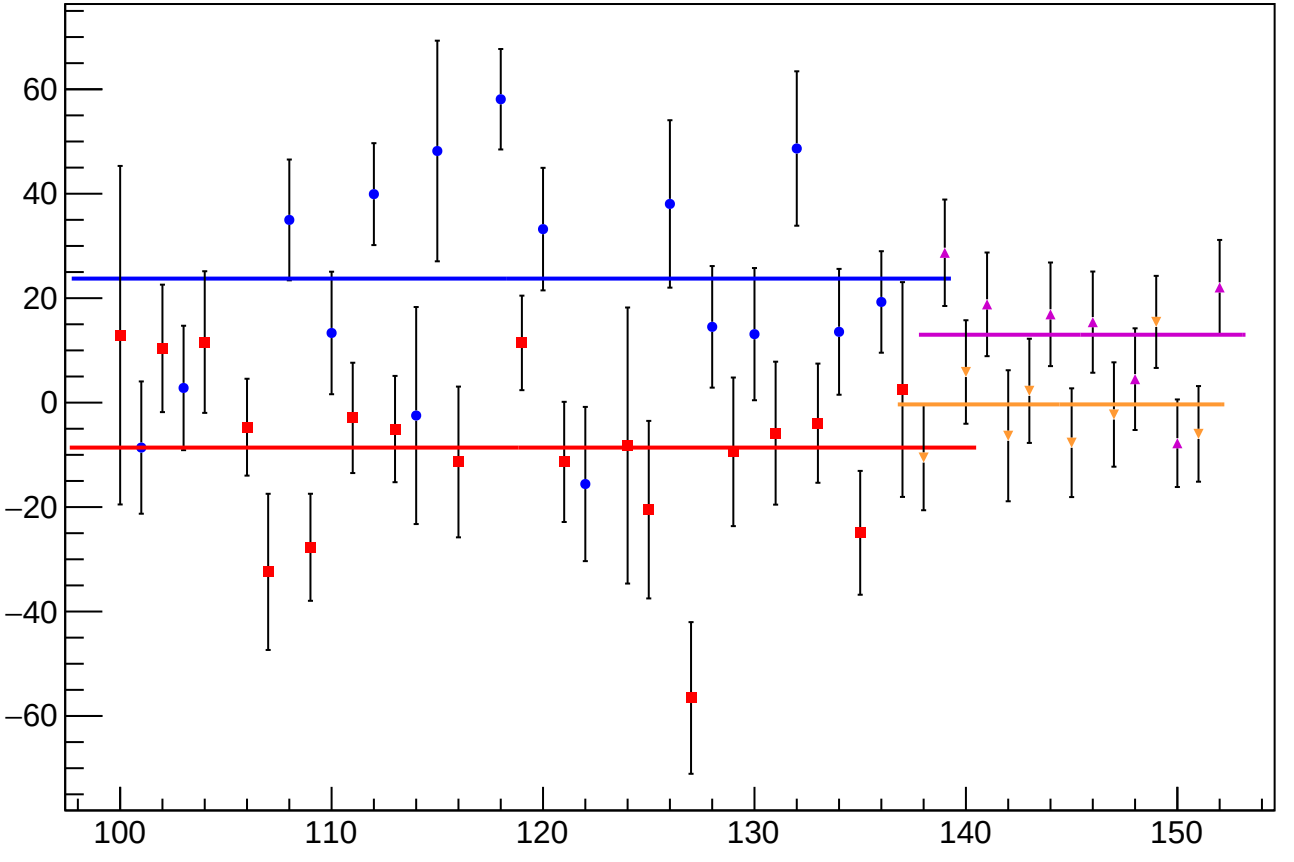
Left In: 1122.072+/-0.324 χ^2/NDF:143059.2/6

+ sign 1151.670+/-0.224 χ^2/NDF: 358369.1/23

All: 1163.656+/-0.159 χ^2/NDF: 644013.9/49

- sign 1175.973+/-0.227 χ^2/NDF: 279820.3/25

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -0.340+/-3.526 χ^2/NDF:5.8/7

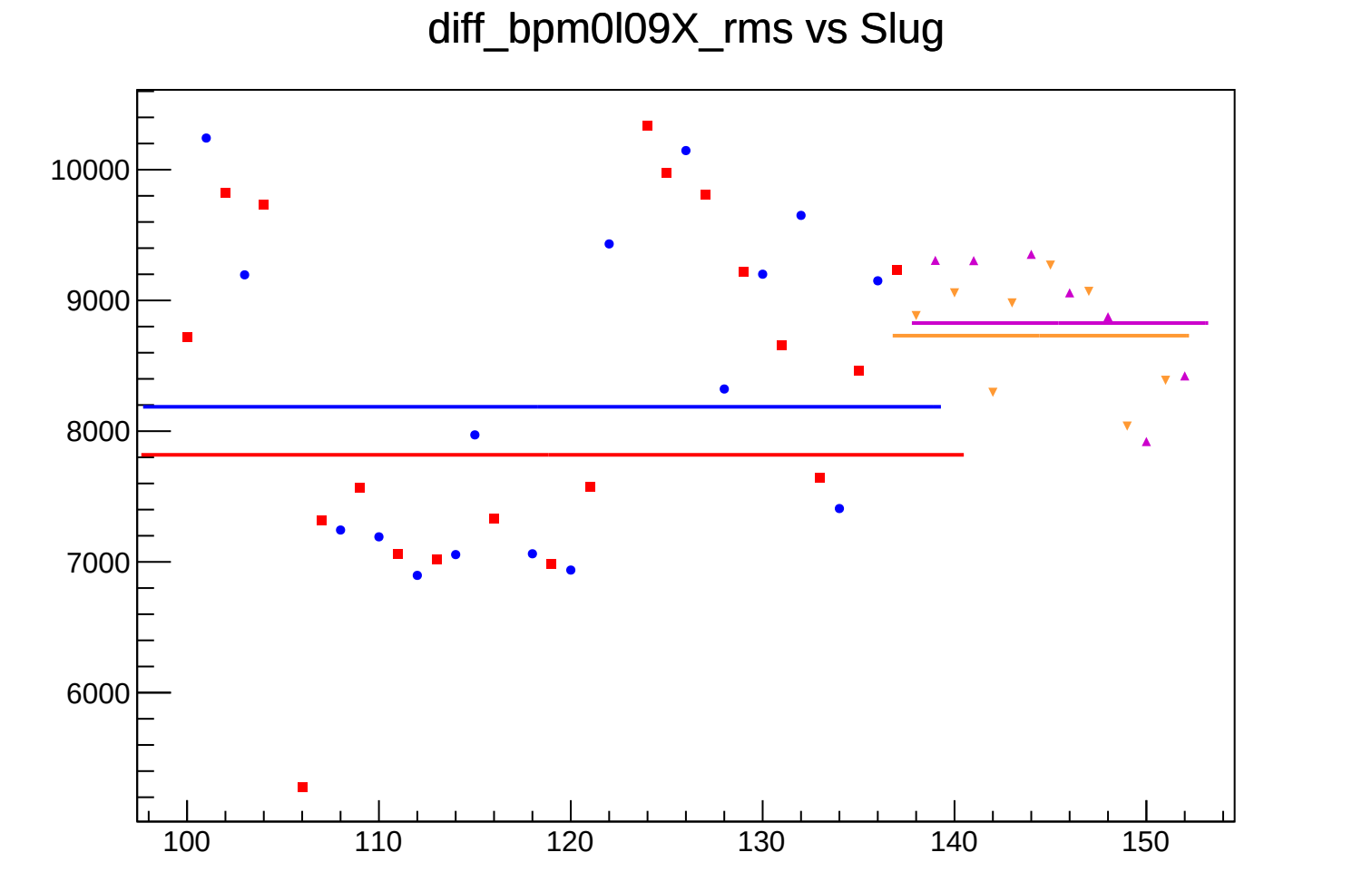
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 12.999+/-3.593 χ^2/NDF:10.8/6

+ sign 13.317+/-2.320 χ^2/NDF: 75.7/23

All: 6.427+/-1.617 χ^2/NDF: 156.1/49

- sign -0.088+/-2.256 χ^2/NDF: 63.2/25



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8730.480+/-2.493 χ^2/NDF:29057.3/7

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

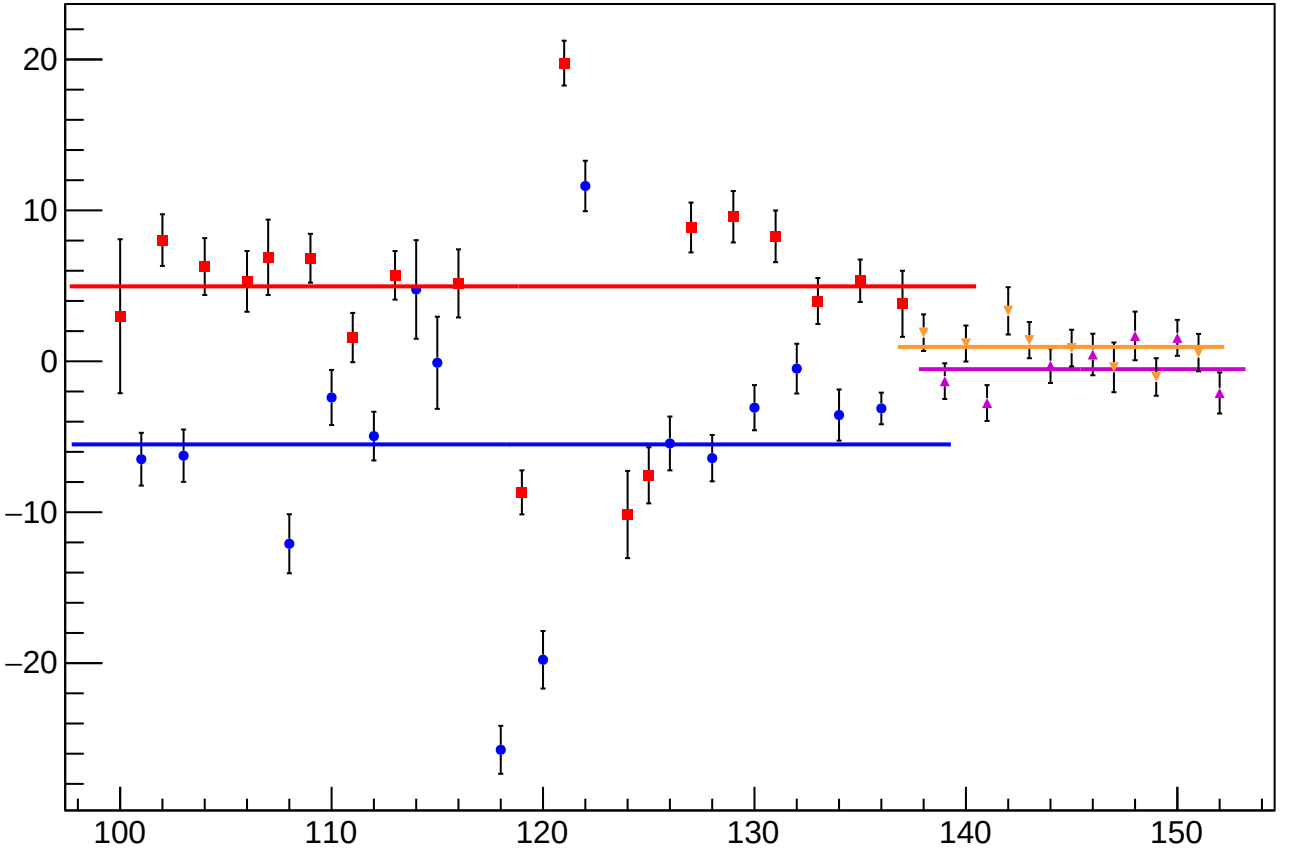
Left In: 8826.953+/-2.540 χ^2/NDF:43193.3/6

+ sign 8422.004+/-1.641 χ^2/NDF: 346693.5/23

All: 8316.359+/-1.144 χ^2/NDF: 916303.0/49

- sign 8216.463+/-1.595 χ^2/NDF: 561541.7/25

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.953+/-0.455 χ^2/NDF:6.4/7

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

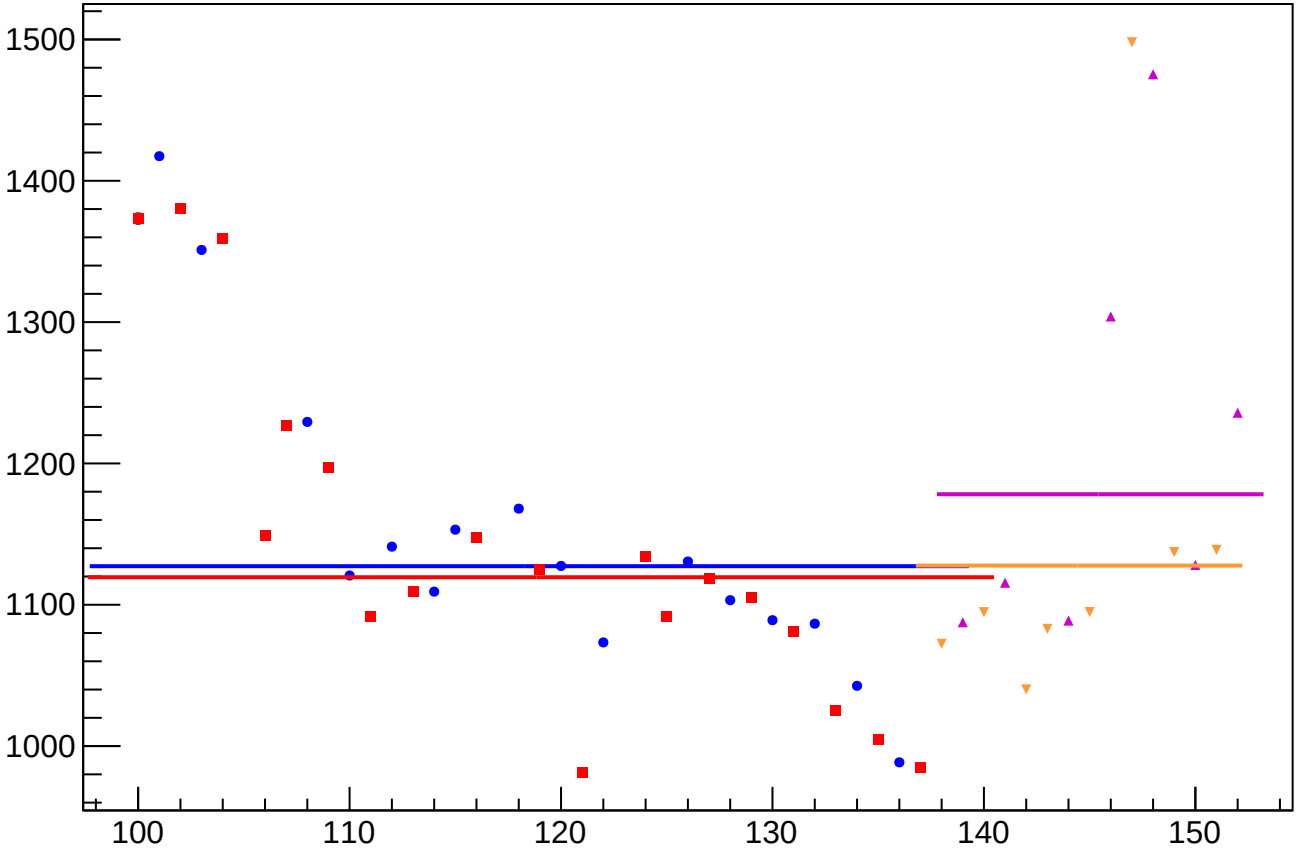
Left In: -0.522+/-0.480 χ^2/NDF:10.8/6

+ sign -2.530+/-0.309 χ^2/NDF: 484.8/23

All: 0.036+/-0.220 χ^2/NDF: 997.6/49

- sign 2.649+/-0.312 χ^2/NDF: 373.7/25

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1127.728+/-0.322 χ^2/NDF:117497.4/7

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

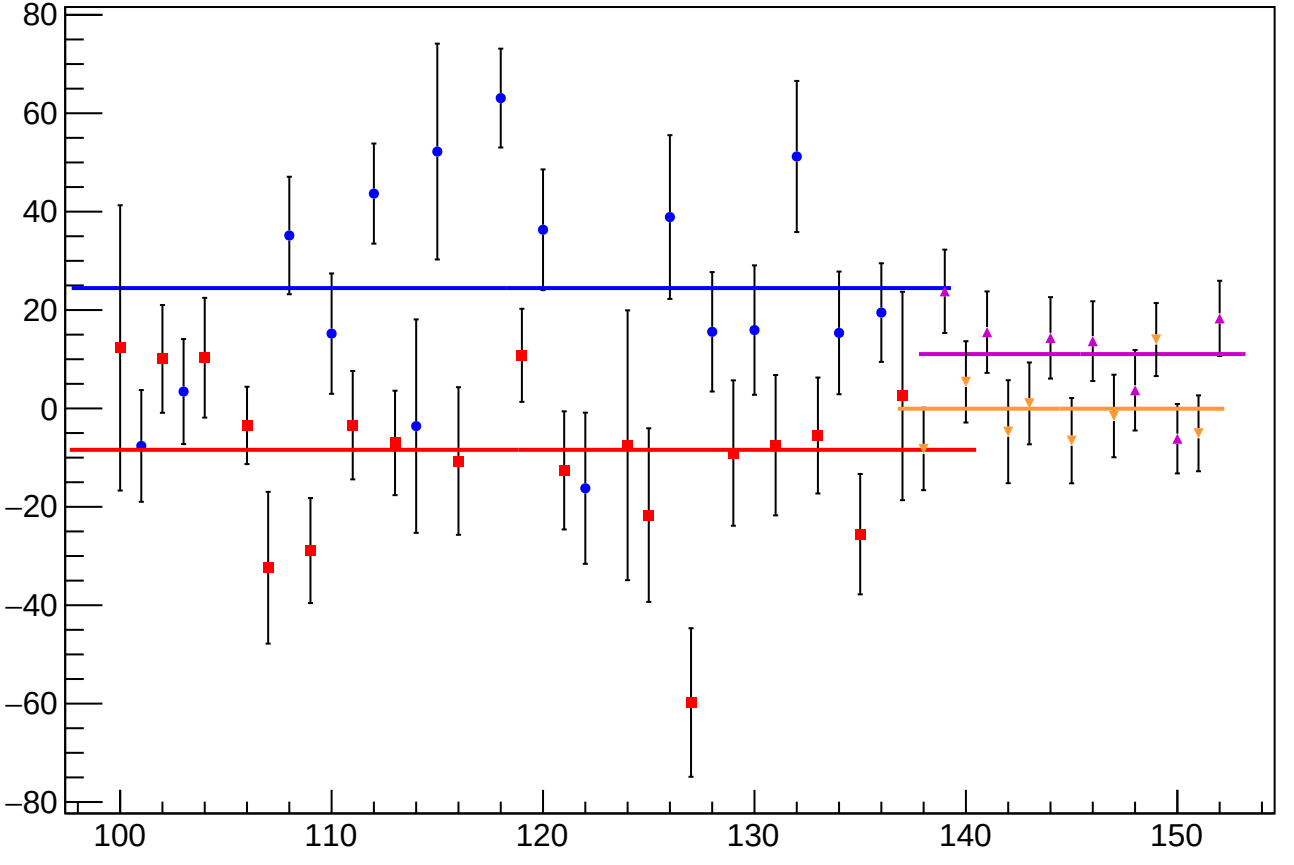
Left In: 1178.214+/-0.339 χ^2/NDF:121404.0/6

+ sign 1127.492+/-0.219 χ^2/NDF: 258114.1/23

All: 1135.807+/-0.155 χ^2/NDF: 540482.8/49

- sign 1144.276+/-0.221 χ^2/NDF: 279445.9/25

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -0.054+/-2.949 χ^2/NDF:6.2/7

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

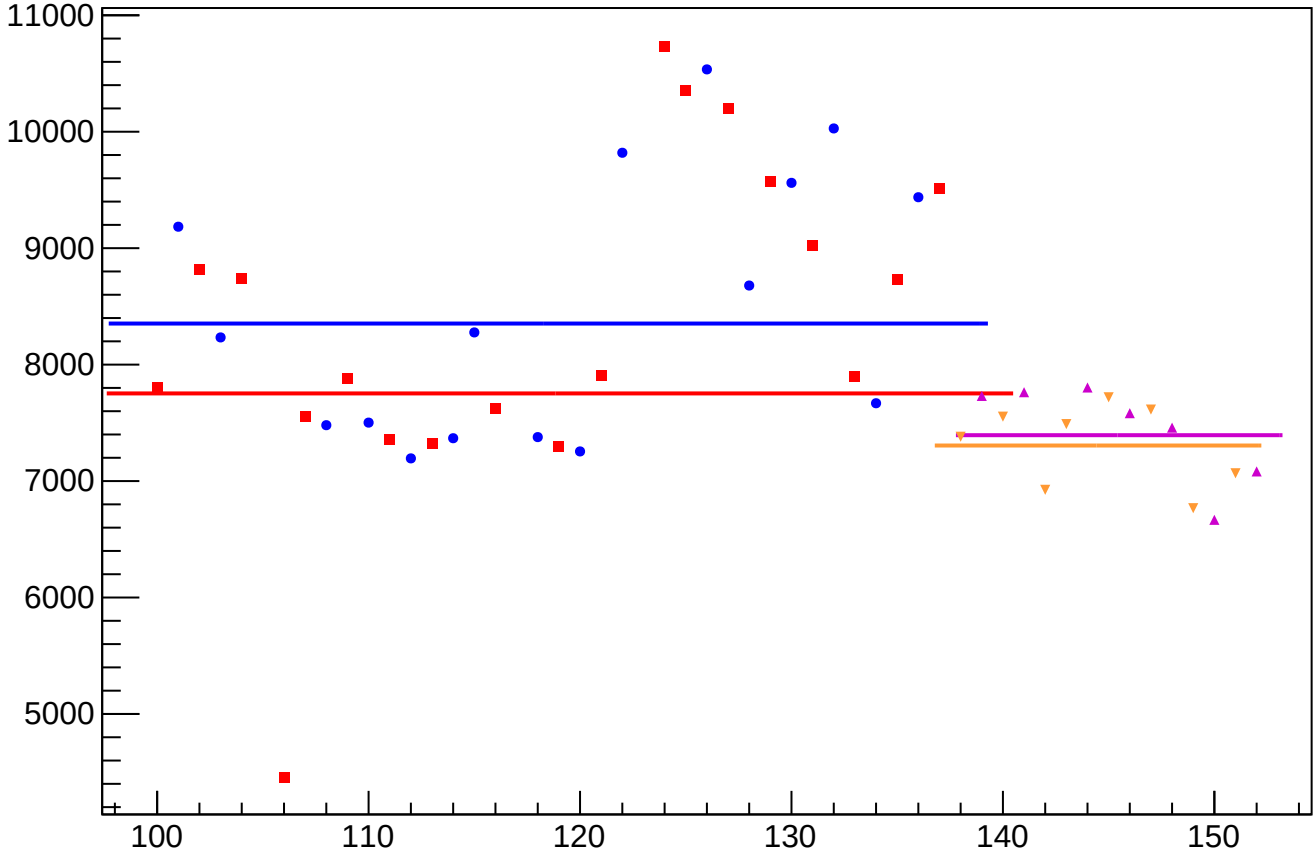
Left In: 11.050+/-3.008 χ^2/NDF:10.5/6

+ sign 11.453+/-2.149 χ^2/NDF: 87.0/23

All: 6.033+/-1.496 χ^2/NDF: 162.7/49

- sign 0.932+/-2.084 χ^2/NDF: 63.4/25

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7305.341+/-2.086 χ^2/NDF:25284.2/7

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

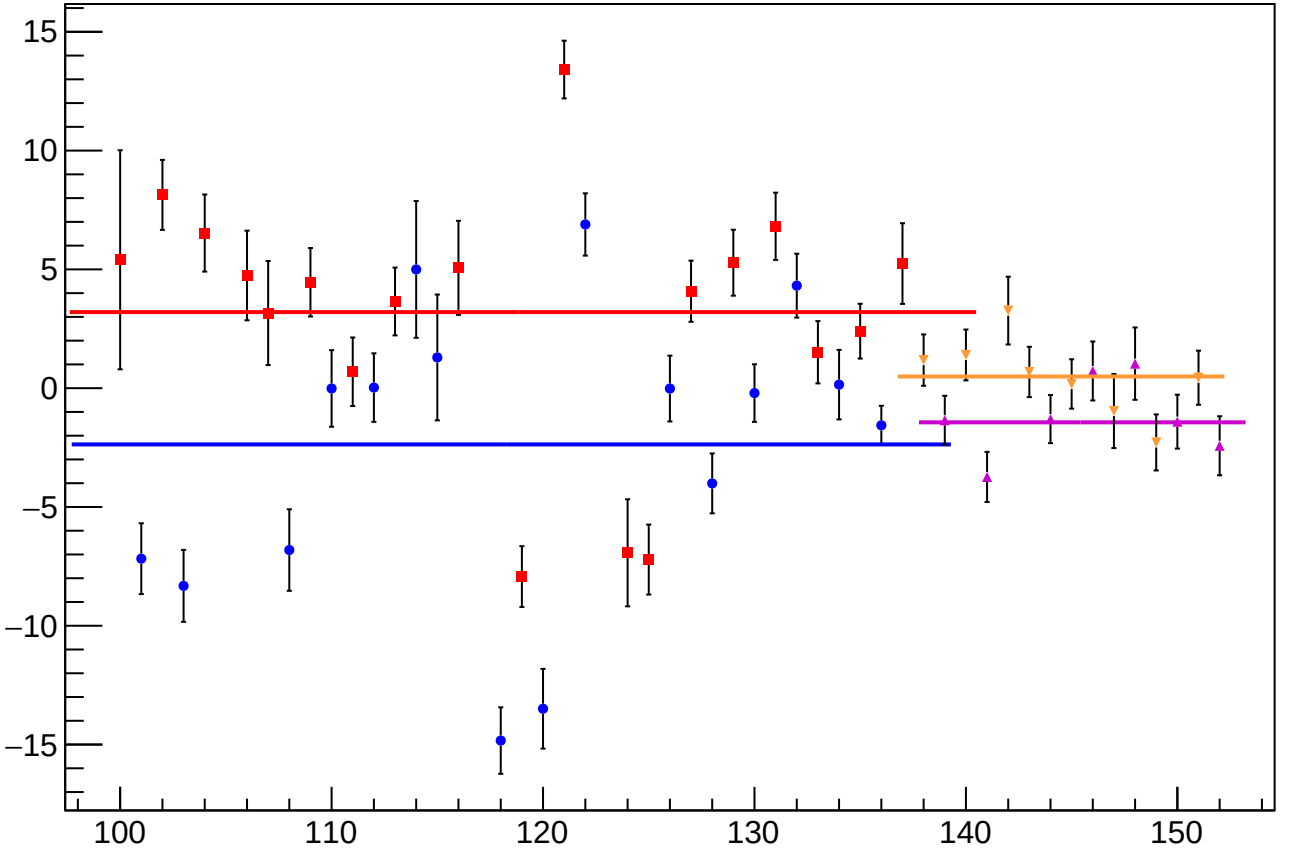
Left In: 7394.015+/-2.127 χ^2/NDF:37783.2/6

+ sign 7796.938+/-1.519 χ^2/NDF: 364080.4/23

All: 7685.436+/-1.058 χ^2/NDF: 1015171.6/49

- sign 7580.481+/-1.474 χ^2/NDF: 640634.3/25

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.491+/-0.410 χ^2/NDF:11.4/7

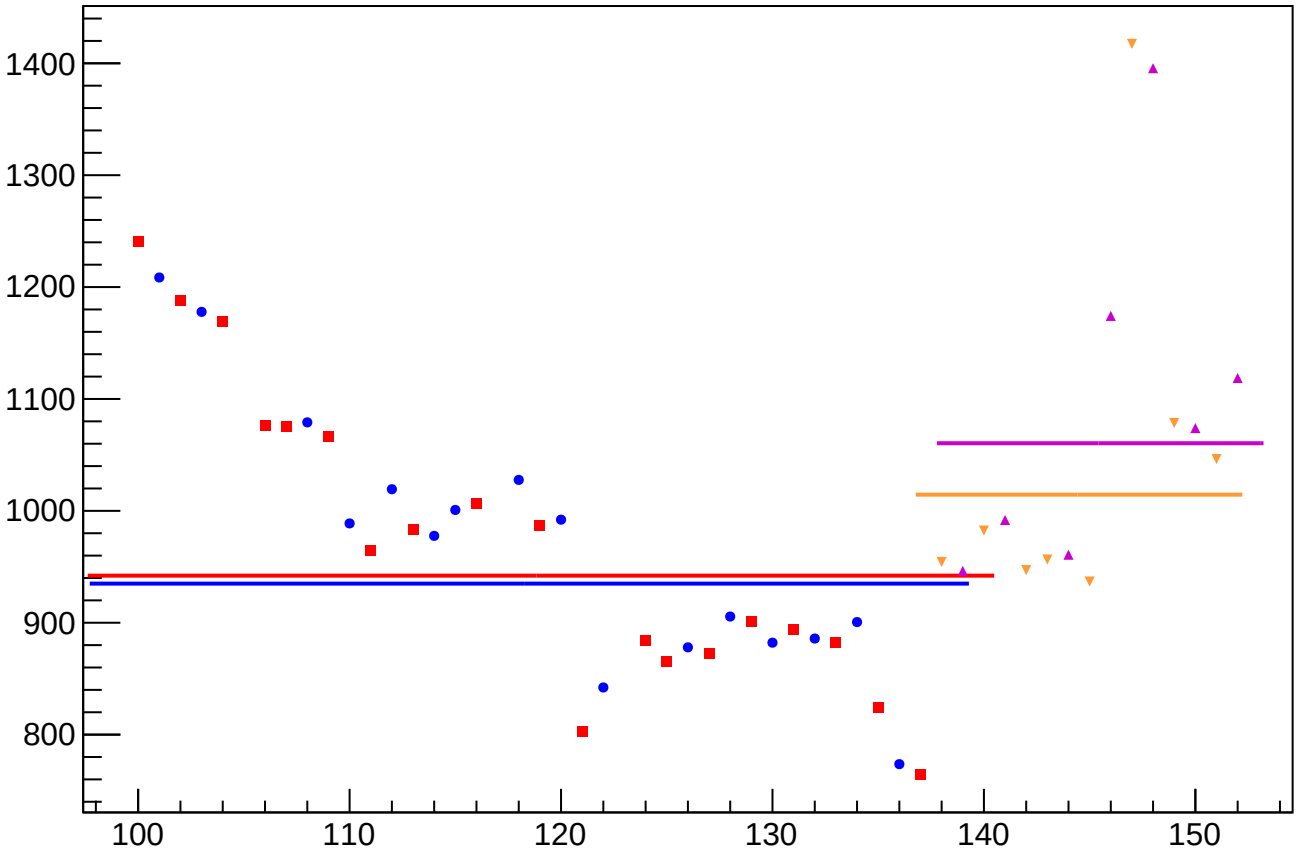
Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: -1.438+/-0.433 χ^2/NDF:11.1/6

+ sign -1.162+/-0.266 χ^2/NDF: 295.1/23

All: 0.097+/-0.190 χ^2/NDF: 671.9/49

- sign 1.394+/-0.271 χ^2/NDF: 331.5/25



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1014.478+/-0.290 χ^2/NDF:170604.7/7

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

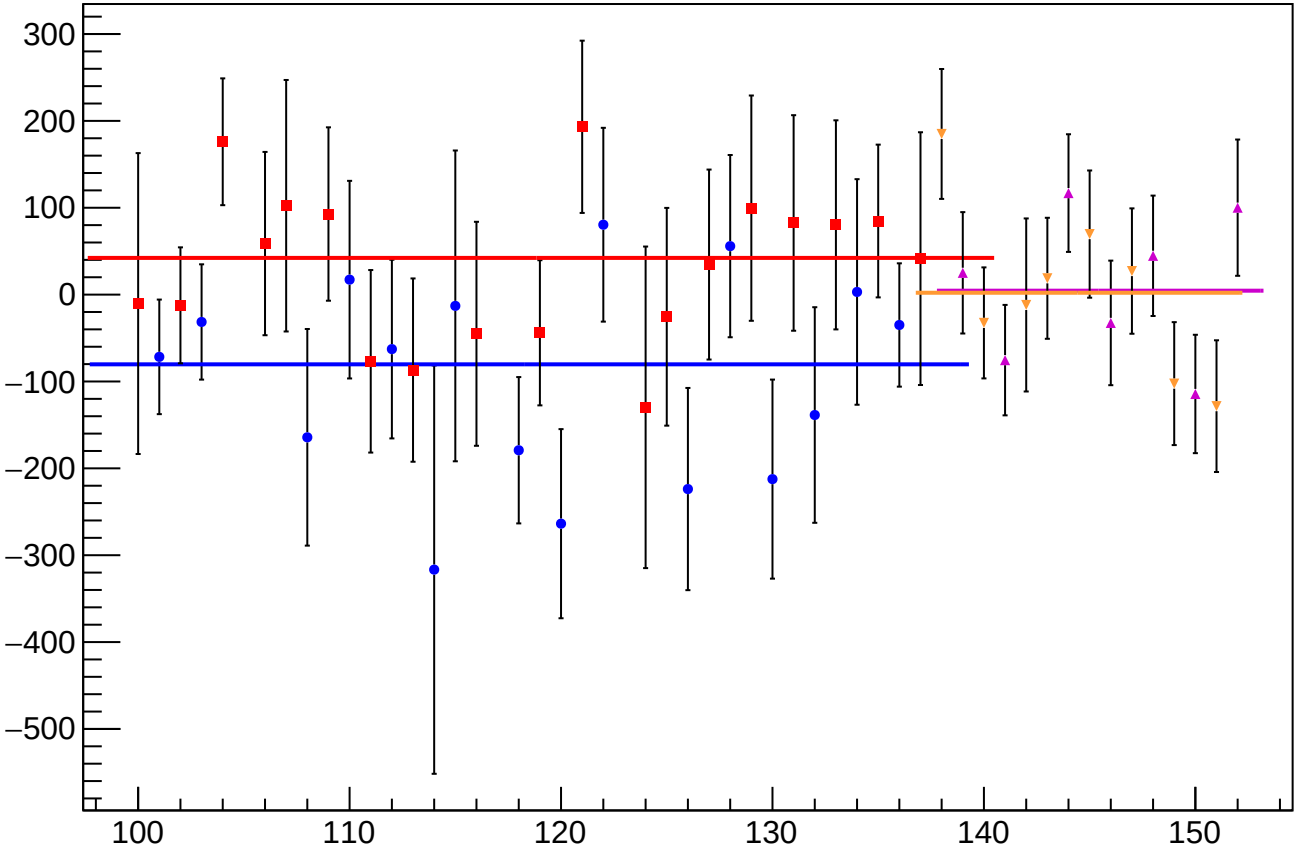
Left In: 1060.443+/-0.306 χ^2/NDF:170725.4/6

+ sign 968.505+/-0.188 χ^2/NDF: 468378.8/23

All: 978.212+/-0.134 χ^2/NDF: 967945.5/49

- sign 988.219+/-0.191 χ^2/NDF: 494177.5/25

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 2.150+/-25.970 χ^2/NDF:12.5/7

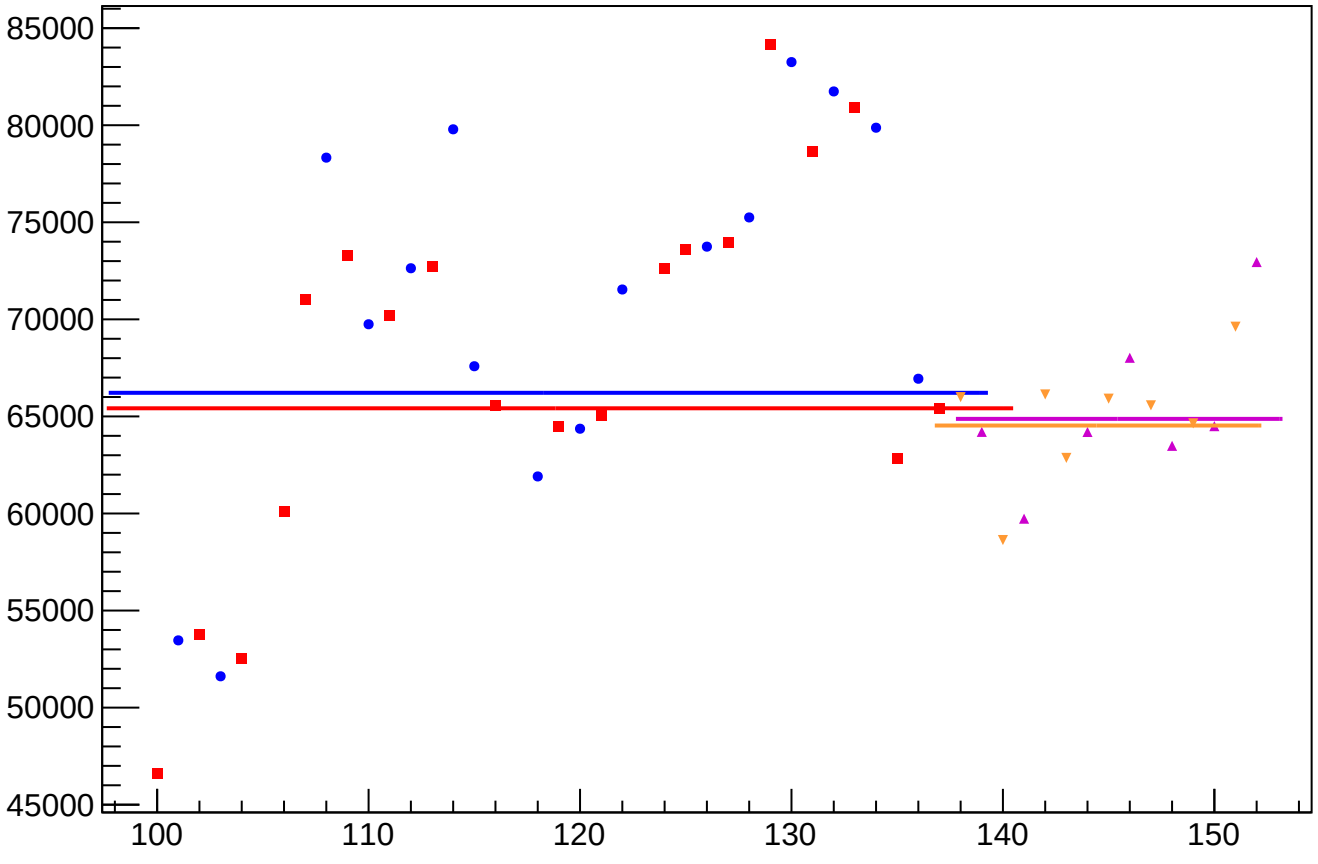
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 4.531+/-26.252 χ^2/NDF:9.6/6

+ sign -40.768+/-17.977 χ^2/NDF: 32.5/23

All: -7.520+/-12.638 χ^2/NDF: 62.9/49

- sign 24.973+/-17.771 χ^2/NDF: 23.7/25



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 64531.106+/-18.364 χ^2/NDF:29620.3/7

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

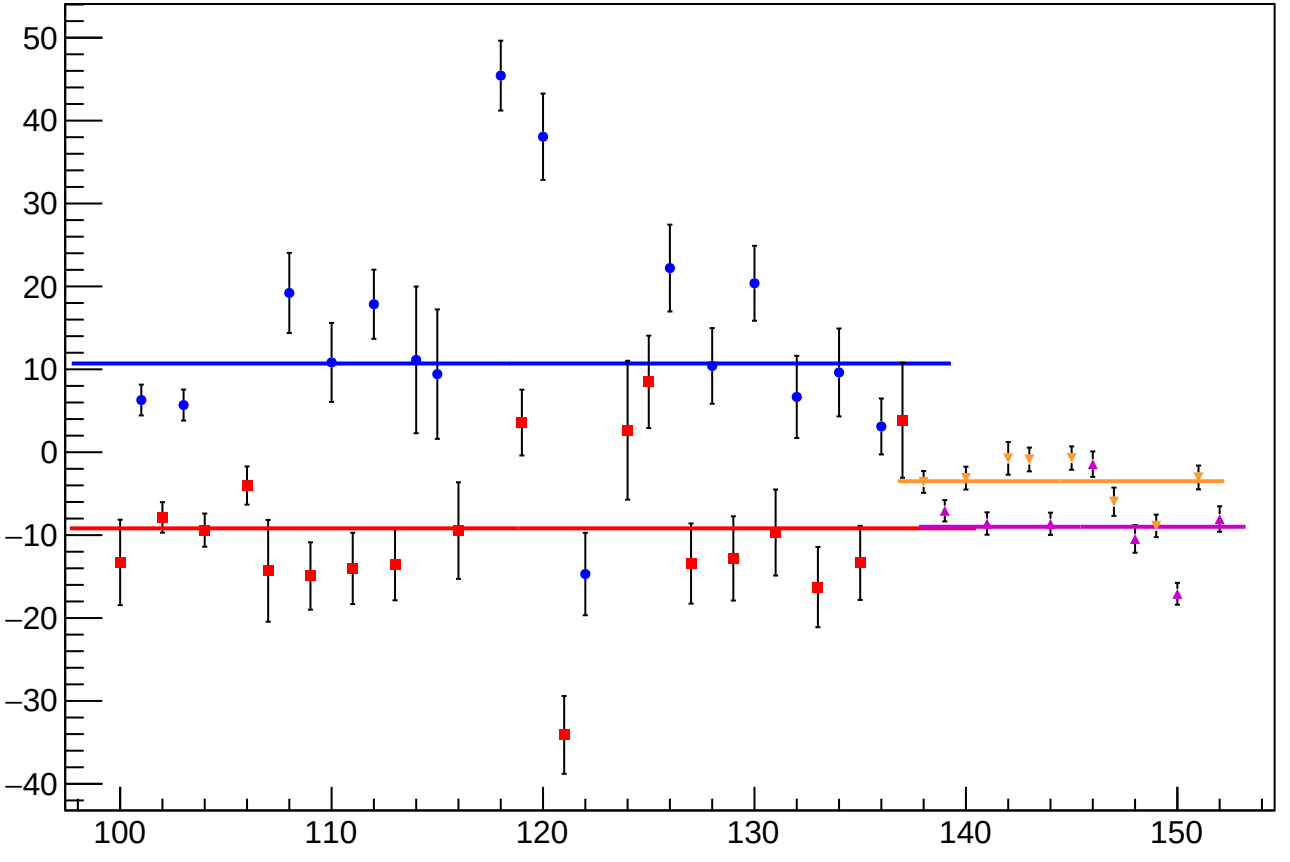
Left In: 64873.556+/-18.563 χ^2/NDF:39394.7/6

+ sign 65408.738+/-12.711 χ^2/NDF: 372383.2/23

All: 65287.388+/-8.937 χ^2/NDF: 716980.9/49

- sign 65168.797+/-12.566 χ^2/NDF: 344417.5/25

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.498+/-0.519 χ^2/NDF:27.2/7

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

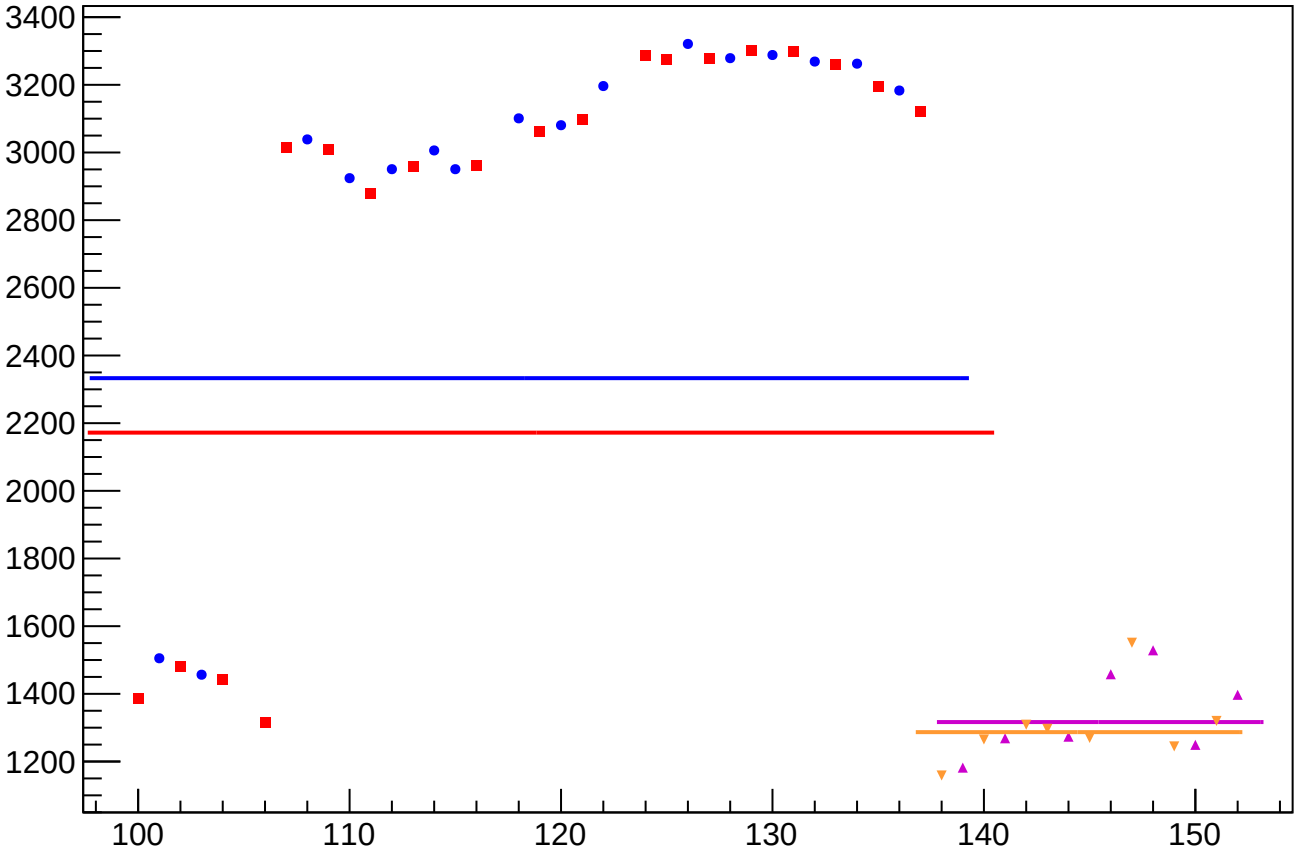
Left In: -8.991+/-0.535 χ^2/NDF:65.2/6

+ sign -0.077+/-0.452 χ^2/NDF: 363.4/23

All: -4.549+/-0.320 χ^2/NDF: 694.7/49

- sign -9.045+/-0.453 χ^2/NDF: 134.8/25

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1286.832+/-0.367 χ^2/NDF:71151.1/7

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

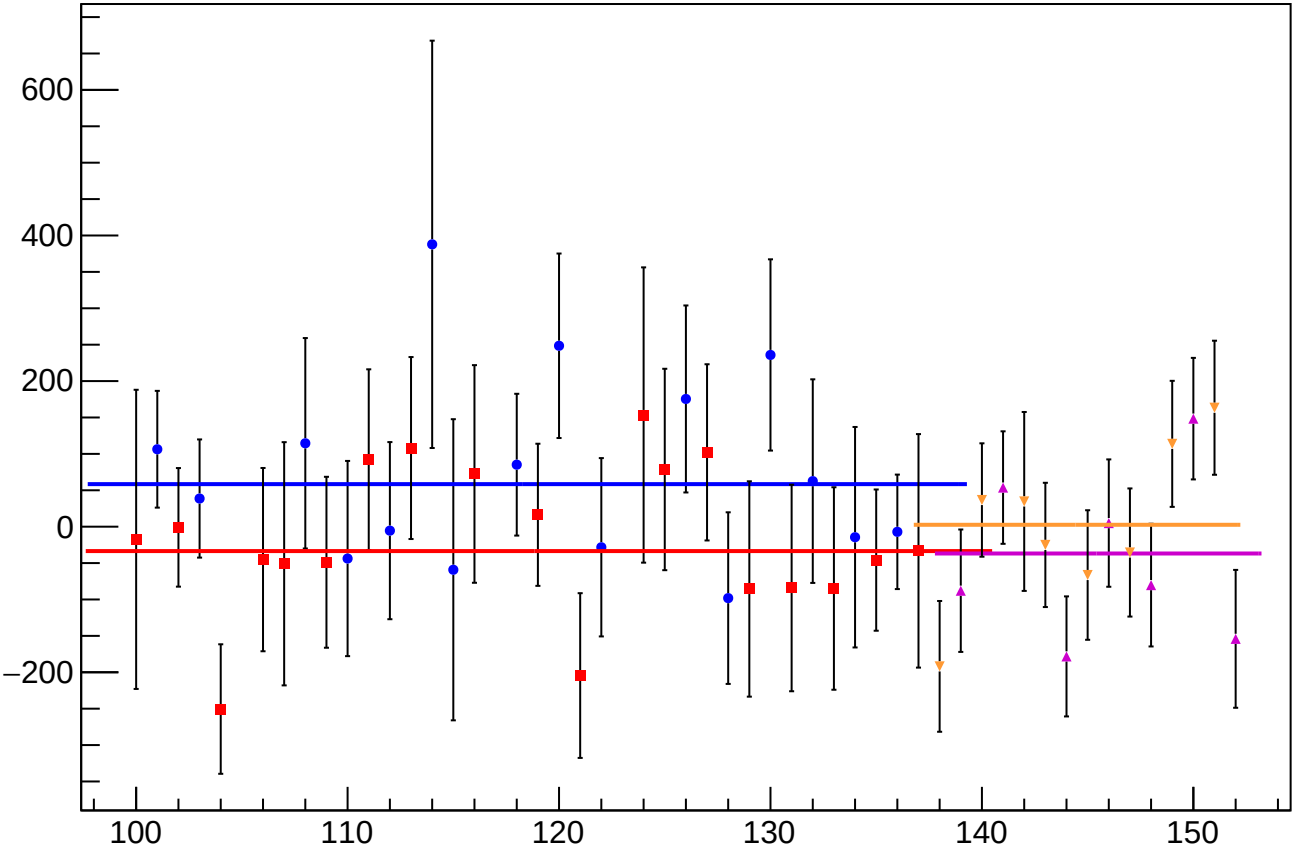
Left In: 1316.597+/-0.379 χ^2/NDF:86444.5/6

+ sign 1538.821+/-0.319 χ^2/NDF: 3683547.7/23

All: 1549.150+/-0.226 χ^2/NDF: 7206246.2/49

- sign 1559.536+/-0.320 χ^2/NDF: 3520602.0/25

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: 2.598+/-31.637 χ^2/NDF:10.5/7

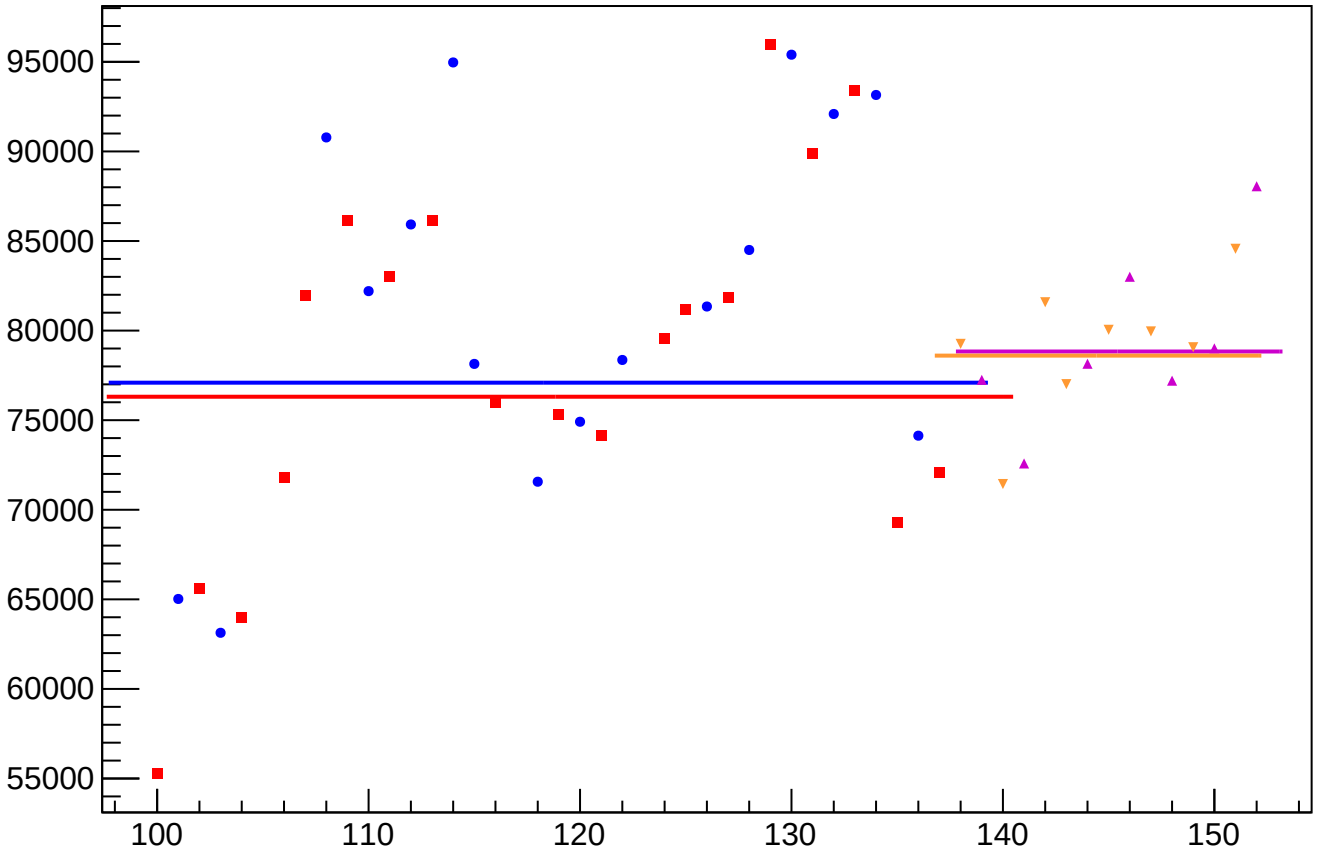
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -36.839+/-31.904 χ^2/NDF:11.6/6

+ sign 33.025+/-21.345 χ^2/NDF: 23.5/23

All: -1.382+/-15.002 χ^2/NDF: 55.0/49

- sign -34.970+/-21.090 χ^2/NDF: 26.3/25



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 78603.659+/-22.371 χ^2/NDF:28356.8/7

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

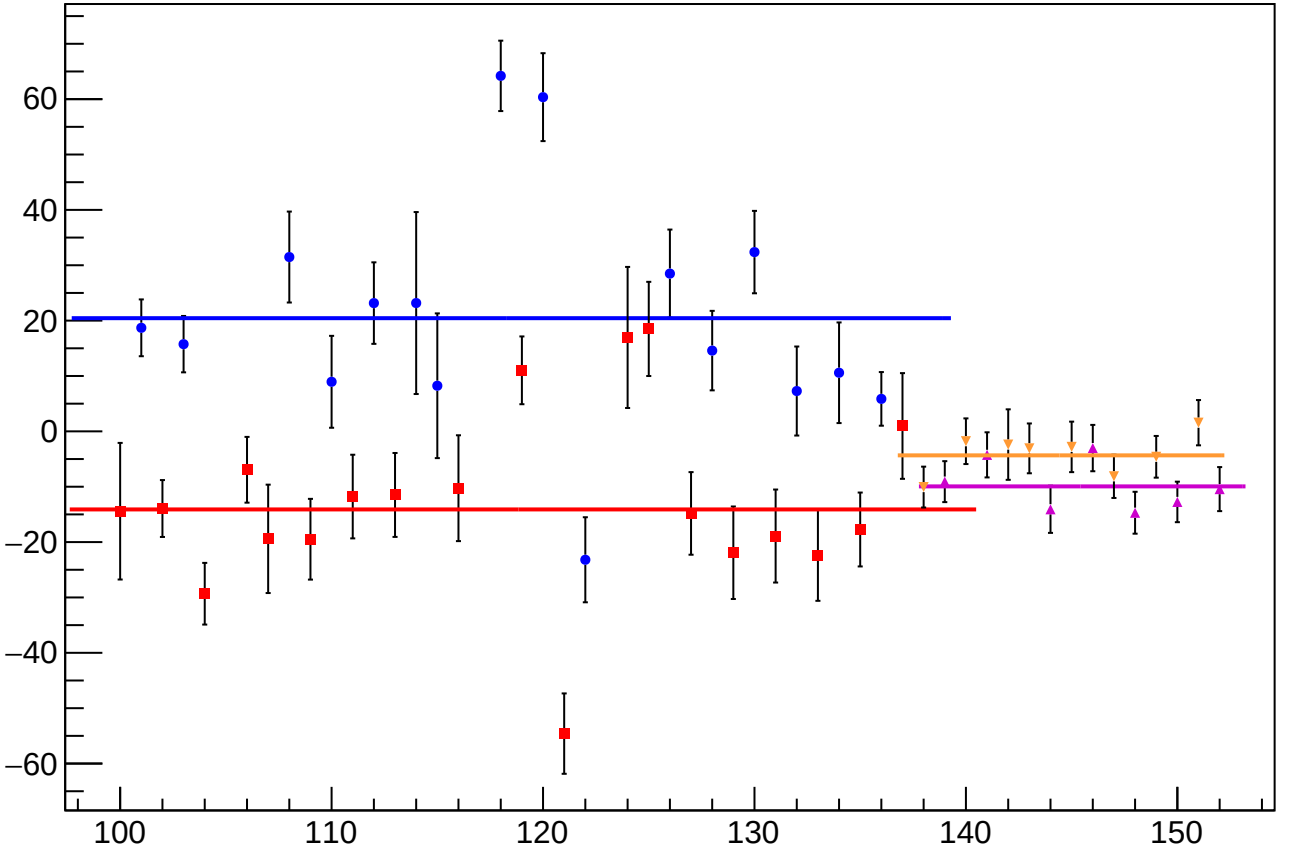
Left In: 78832.882+/-22.560 χ^2/NDF:38200.8/6

+ sign 77780.687+/-15.093 χ^2/NDF: 279383.5/23

All: 77593.945+/-10.608 χ^2/NDF: 559368.8/4

- sign 77411.642+/-14.913 χ^2/NDF: 279682.8/25

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -4.335+/-1.490 χ^2/NDF:6.1/7

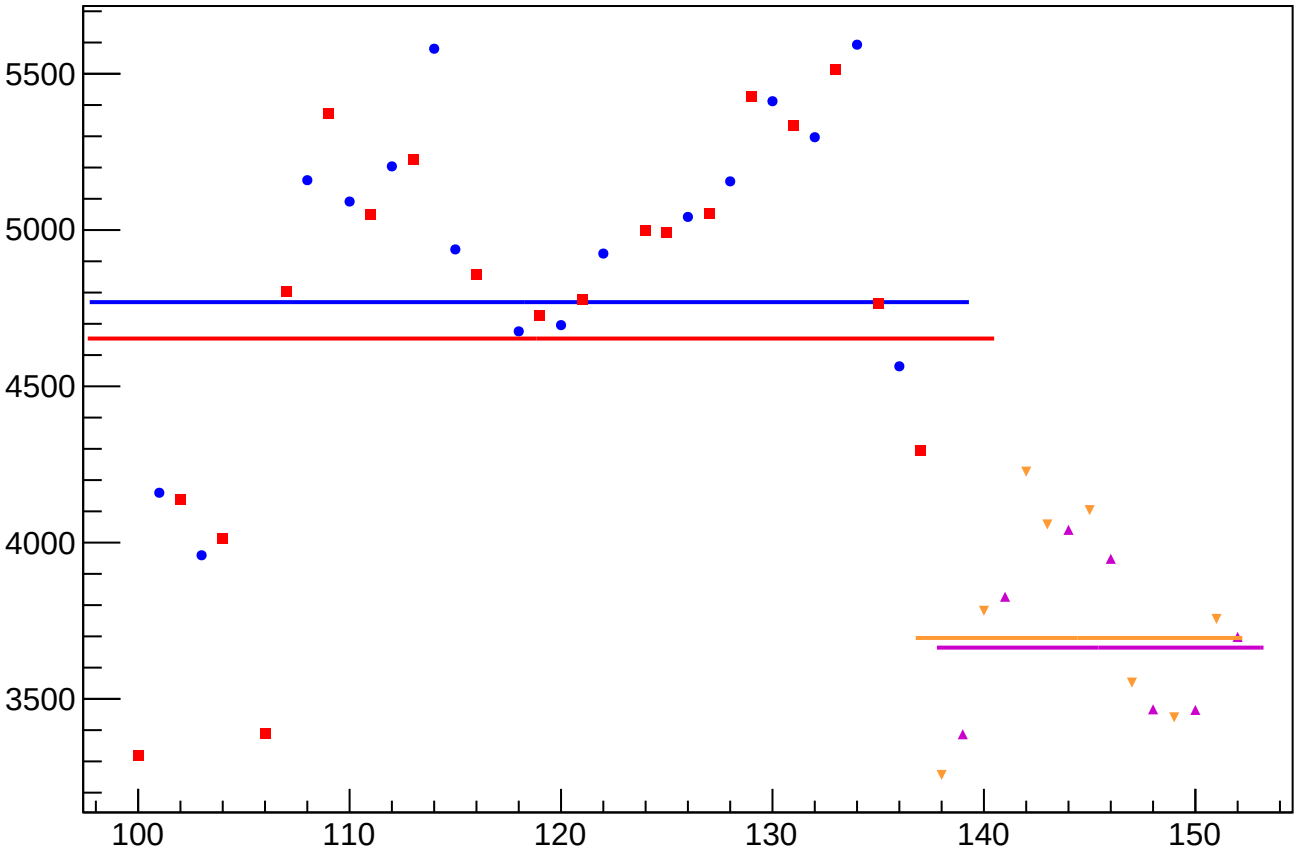
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -9.940+/-1.485 χ^2/NDF:7.9/6

+ sign 5.863+/-1.143 χ^2/NDF: 247.7/23

All: -3.093+/-0.801 χ^2/NDF: 463.2/49

- sign -11.726+/-1.122 χ^2/NDF: 95.0/25



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3694.950+/-1.054 χ^2/NDF:84414.6/7

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

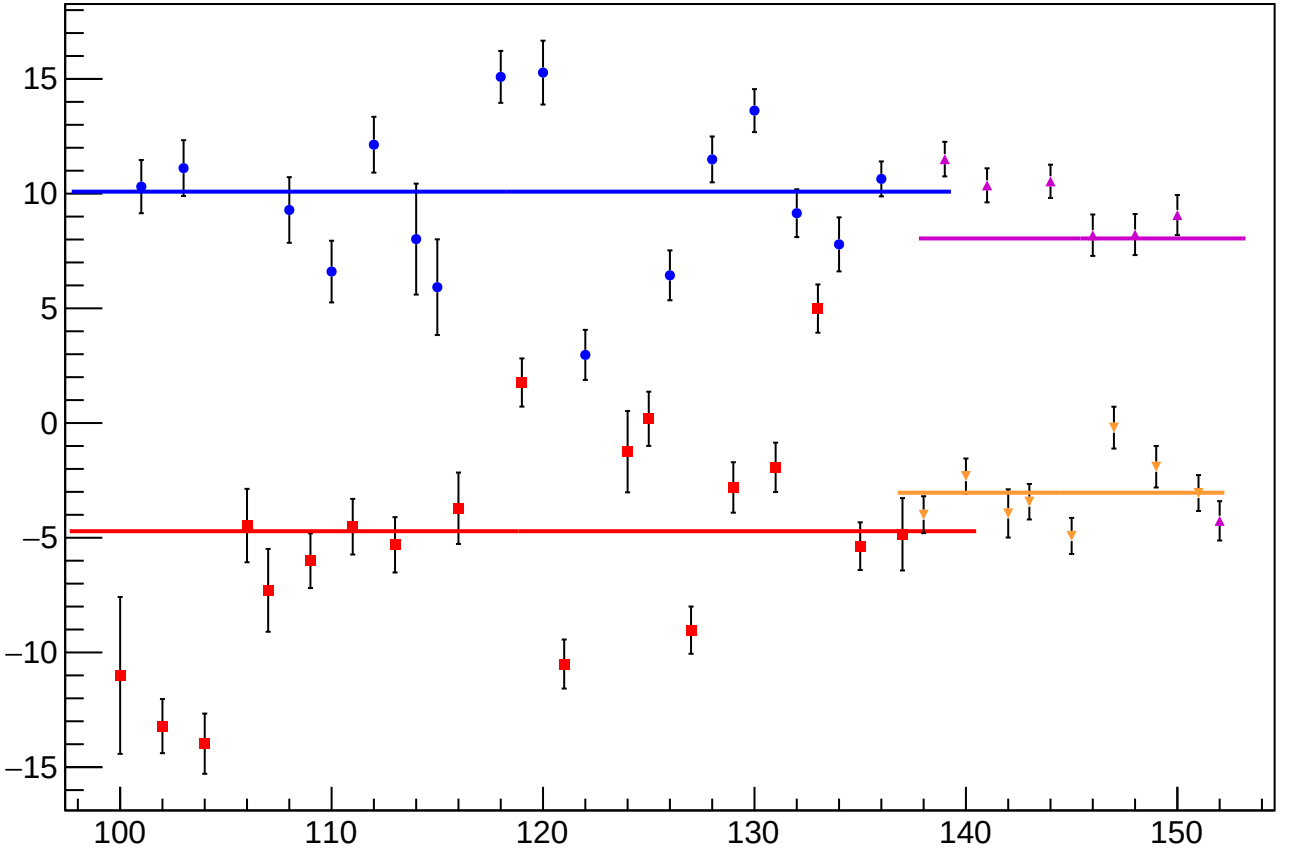
Left In: 3664.026+/-1.050 χ^2/NDF:50795.0/6

+ sign 4137.189+/-0.808 χ^2/NDF: 663906.3/23

All: 4112.301+/-0.566 χ^2/NDF: 1361977.8/49

- sign 4088.311+/-0.794 χ^2/NDF: 696210.0/25

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.037+/-0.295 χ^2/NDF:20.3/7

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

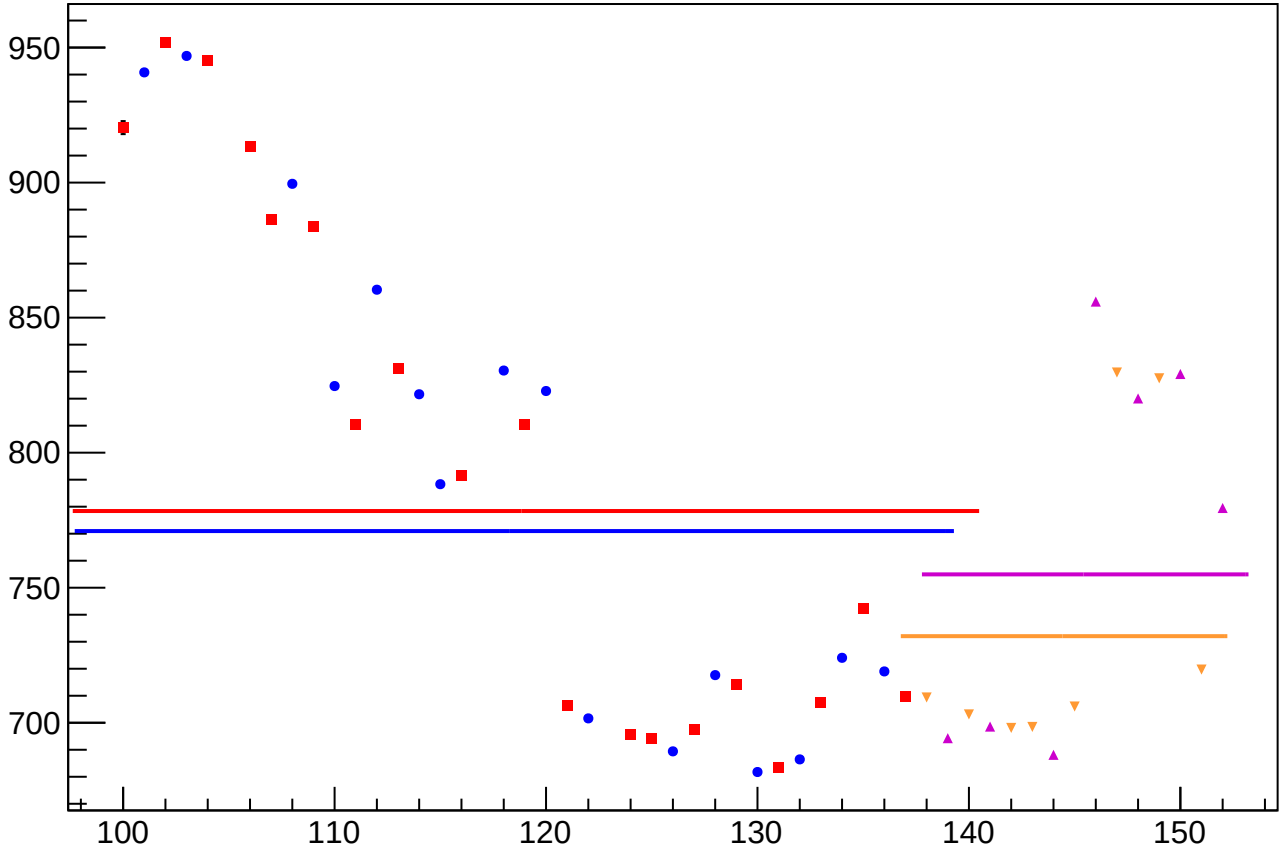
Left In: 8.047+/-0.307 χ^2/NDF:249.8/6

+ sign 3.670+/-0.206 χ^2/NDF: 1156.8/23

All: 2.458+/-0.147 χ^2/NDF: 2713.0/49

- sign 1.210+/-0.209 χ^2/NDF: 1486.1/25

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 732.057+/-0.208 χ^2/NDF:58177.7/7

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

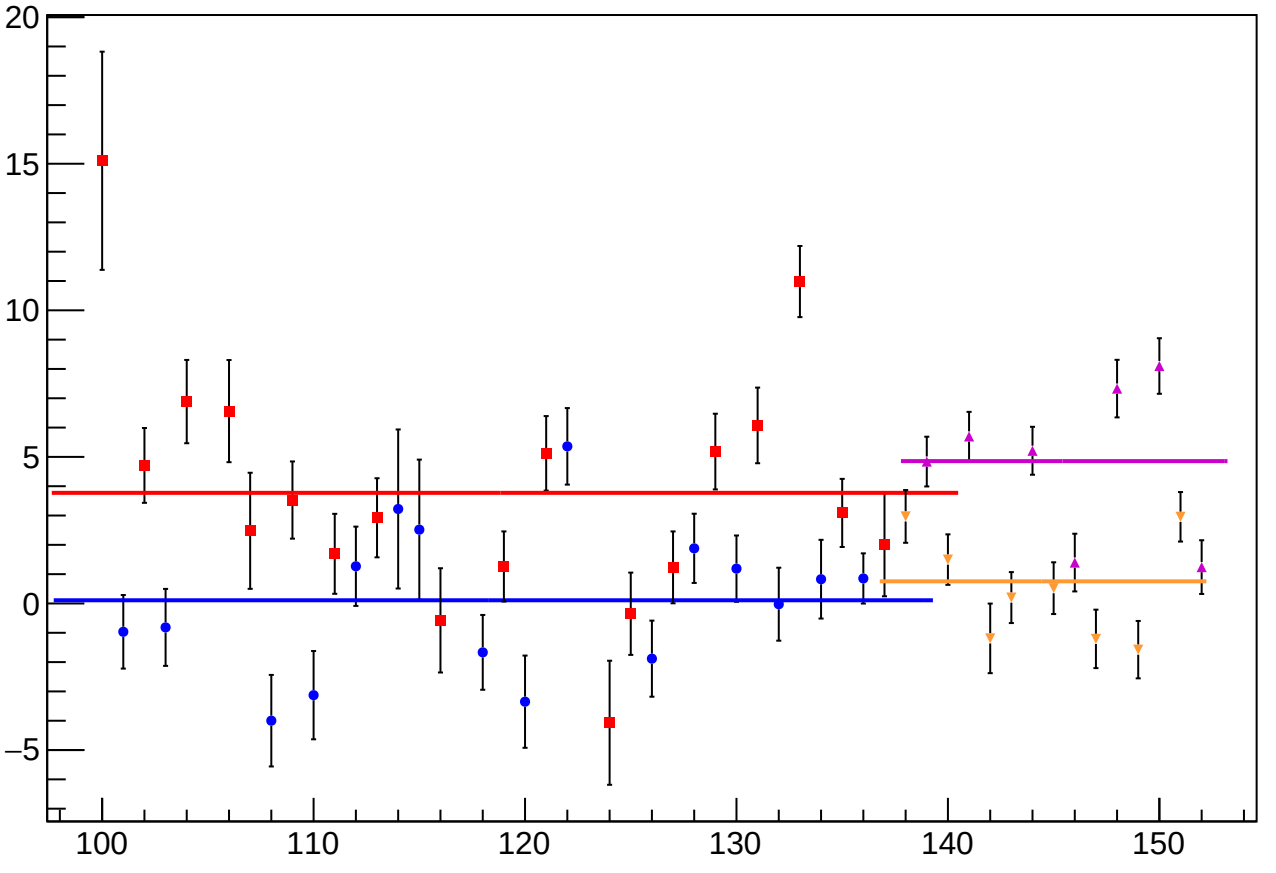
Left In: 754.937+/-0.217 χ^2/NDF:93097.6/6

+ sign 751.947+/-0.146 χ^2/NDF: 268896.8/23

All: 759.613+/-0.104 χ^2/NDF: 570406.7/49

- sign 767.503+/-0.148 χ^2/NDF: 295898.7/25

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 0.755+/-0.327 χ^2/NDF:26.3/7

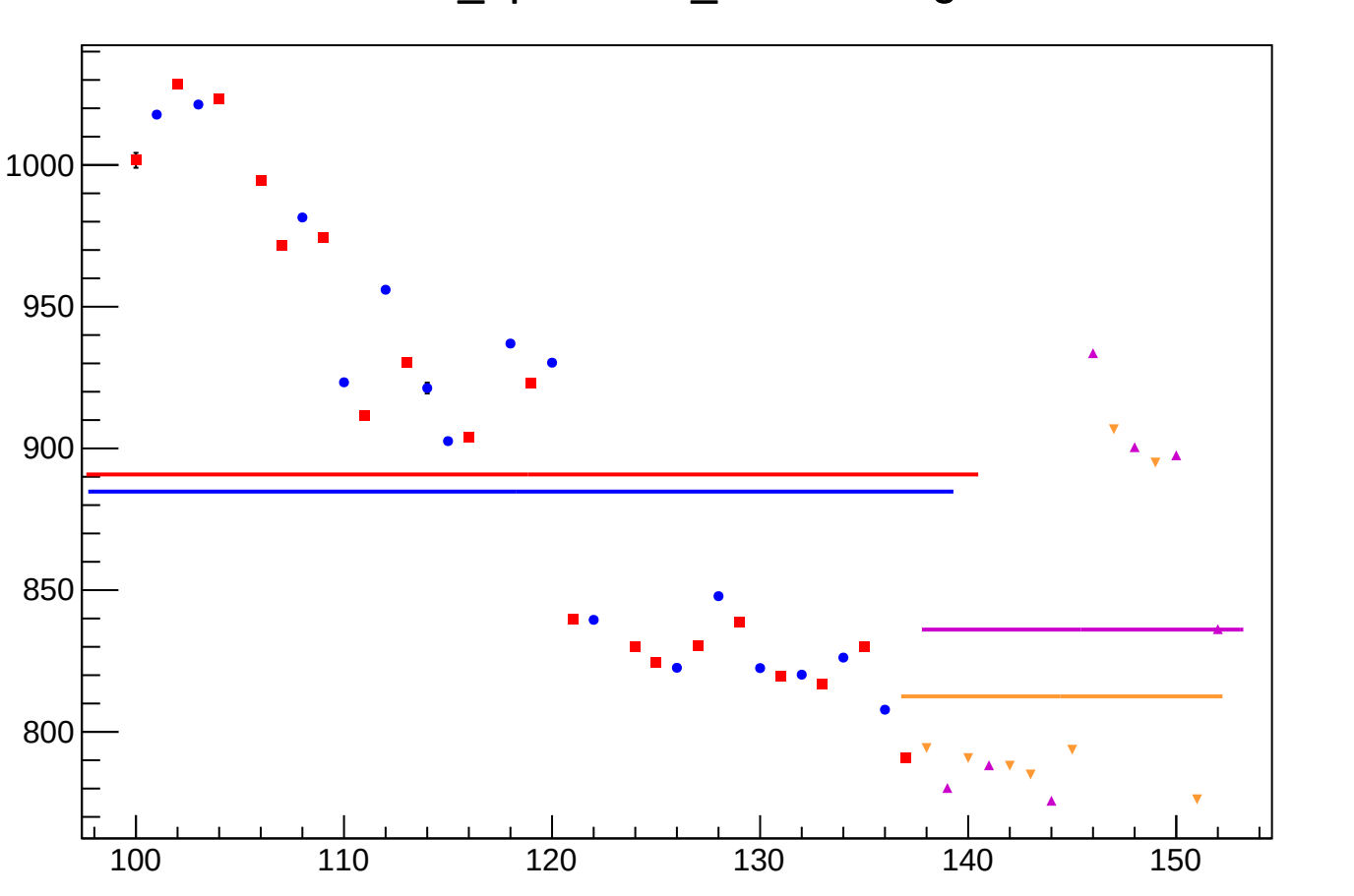
Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: 4.856+/-0.339 χ^2/NDF:47.2/6

+ sign 0.435+/-0.232 χ^2/NDF: 73.6/23

All: 2.341+/-0.165 χ^2/NDF: 362.0/49

- sign 4.293+/-0.235 χ^2/NDF: 152.1/25



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 812.512+/-0.231 χ^2/NDF:41646.4/7

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

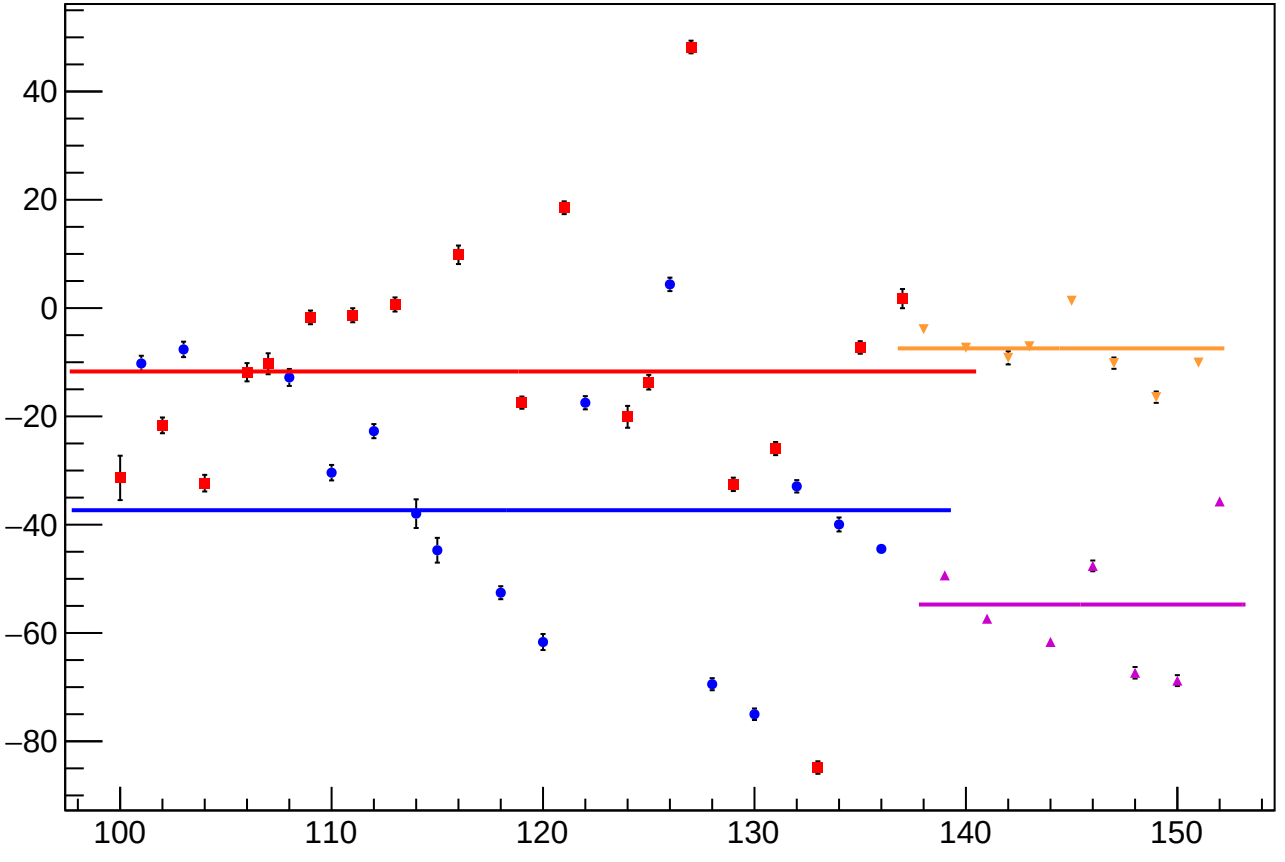
Left In: 836.084+/-0.240 χ^2/NDF:62777.2/6

+ sign 848.322+/-0.164 χ^2/NDF: 194544.1/23

All: 856.331+/-0.117 χ^2/NDF: 396955.5/49

- sign 864.539+/-0.166 χ^2/NDF: 197595.0/25

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -7.440+/-0.334 χ^2/NDF:202.1/7

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

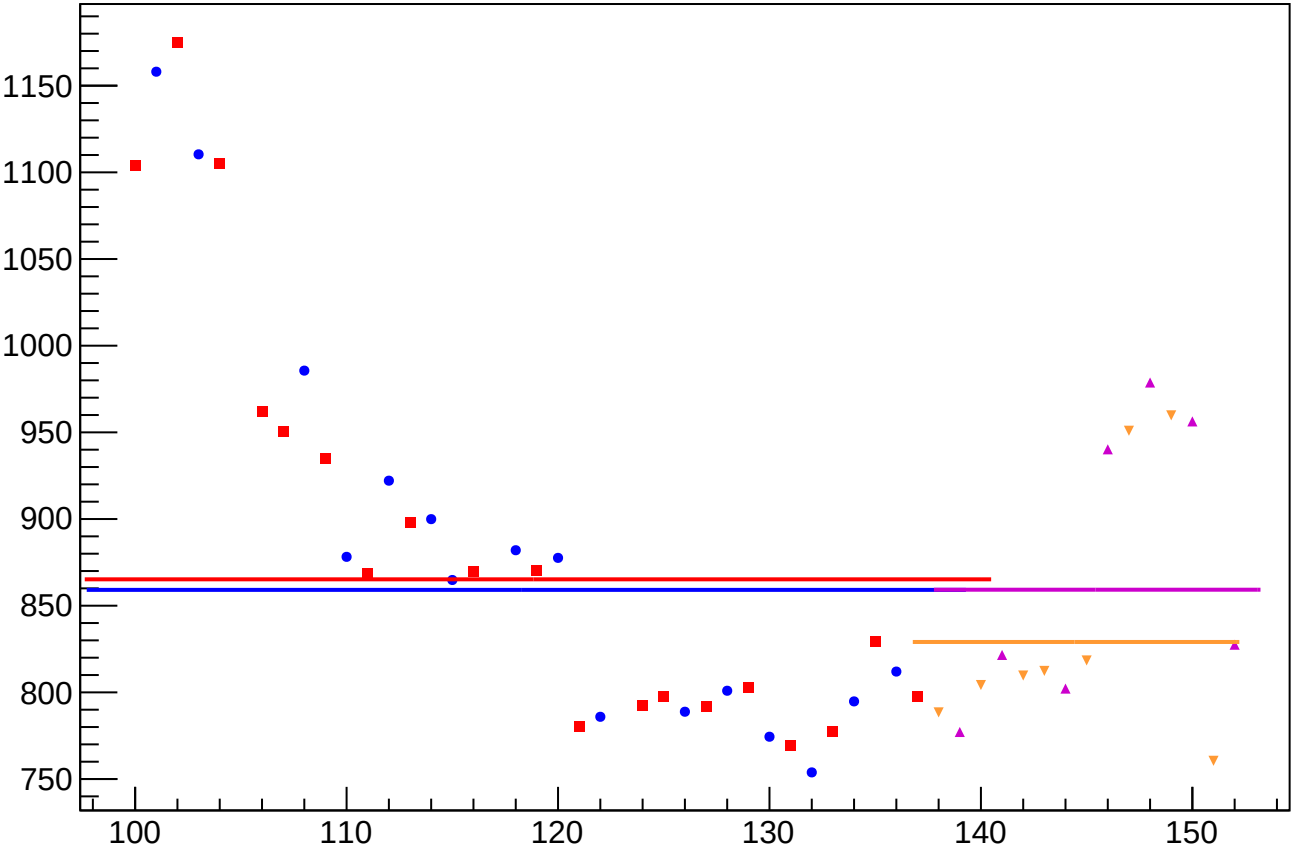
Left In: -54.744+/-0.349 χ^2/NDF:941.9/6

\+ sign -22.947+/-0.232 χ^2/NDF: 9539.9/23

All: -27.023+/-0.165 χ^2/NDF: 27880.4/49

\- sign -31.216+/-0.235 χ^2/NDF: 17713.0/25

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 829.074+/-0.236 χ^2/NDF:79127.4/7

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

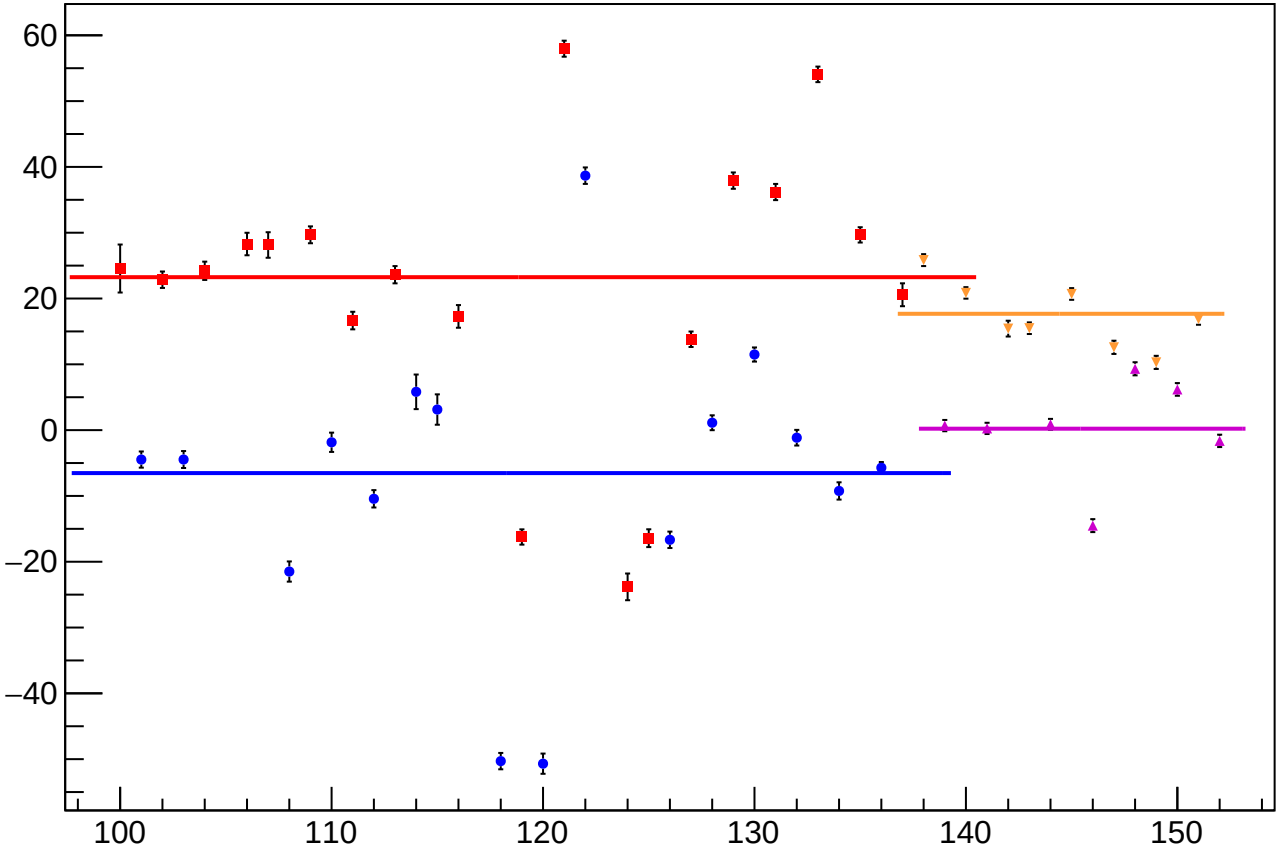
Left In: 859.223+/-0.247 χ^2/NDF:91085.6/6

+ sign 844.665+/-0.164 χ^2/NDF: 316233.9/23

All: 853.455+/-0.117 χ^2/NDF: 637147.6/49

- sign 862.498+/-0.166 χ^2/NDF: 315076.6/25

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 17.679+/-0.332 χ^2/NDF:196.3/7

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

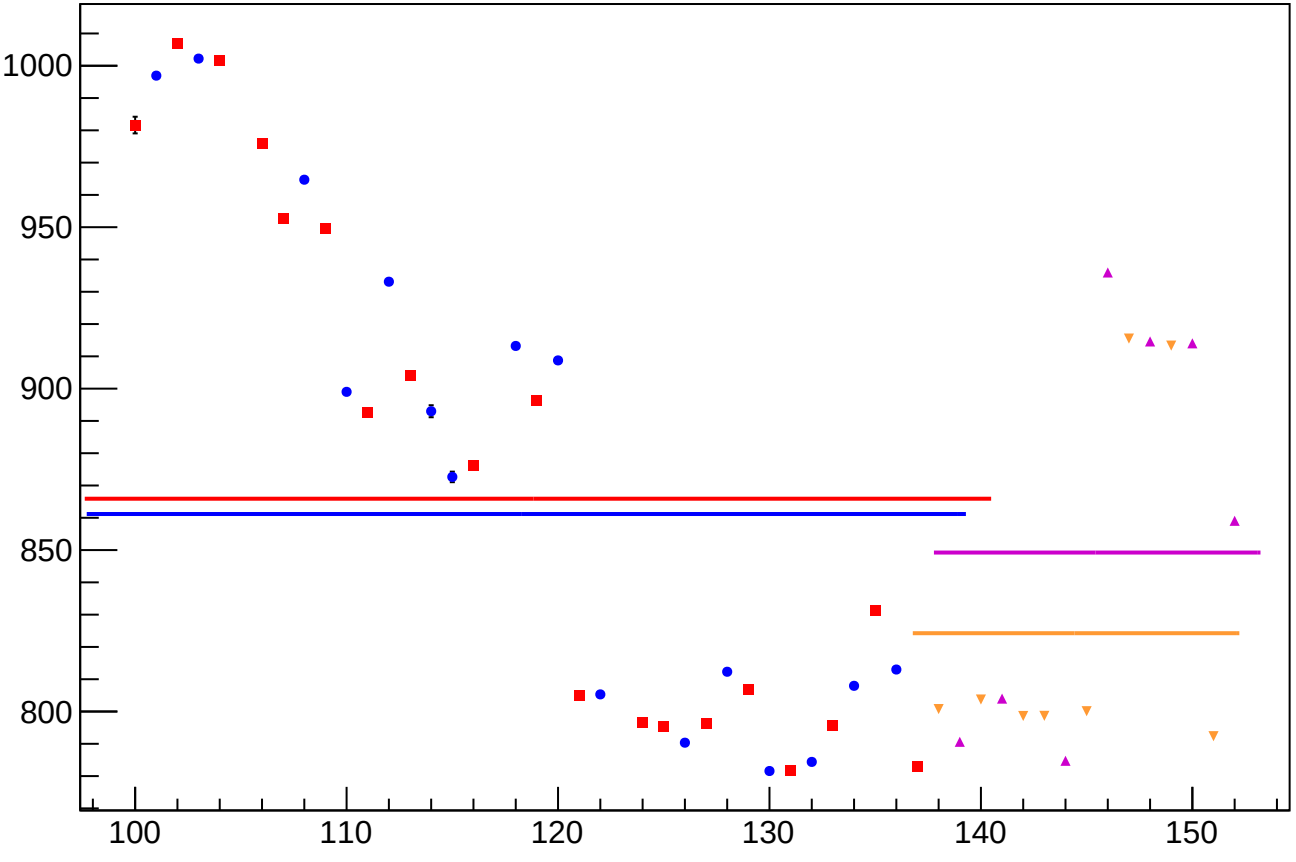
Left In: 0.218+/-0.345 χ^2/NDF:349.4/6

+ sign 5.186+/-0.231 χ^2/NDF: 6891.3/23

All: 8.896+/-0.164 χ^2/NDF: 14651.6/49

- sign 12.688+/-0.233 χ^2/NDF: 7237.5/25

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 824.253+/-0.235 χ^2/NDF:41580.7/7

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

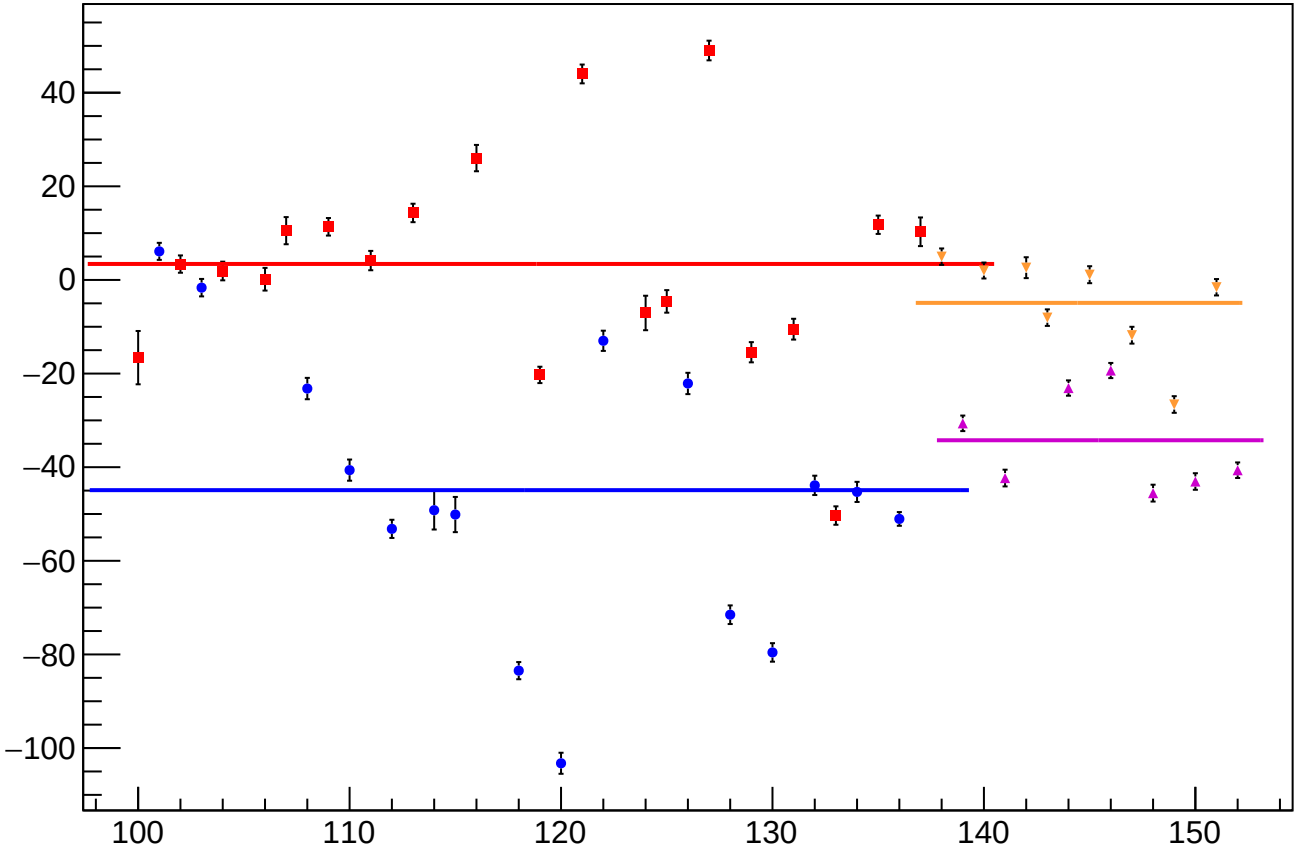
Left In: 849.234+/-0.244 χ^2/NDF:60369.0/6

+ sign 843.304+/-0.163 χ^2/NDF: 167896.2/23

All: 850.701+/-0.116 χ^2/NDF: 353376.2/49

- sign 858.264+/-0.165 χ^2/NDF: 181323.0/25

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -4.898+/-0.639 χ^2/NDF:241.2/7

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

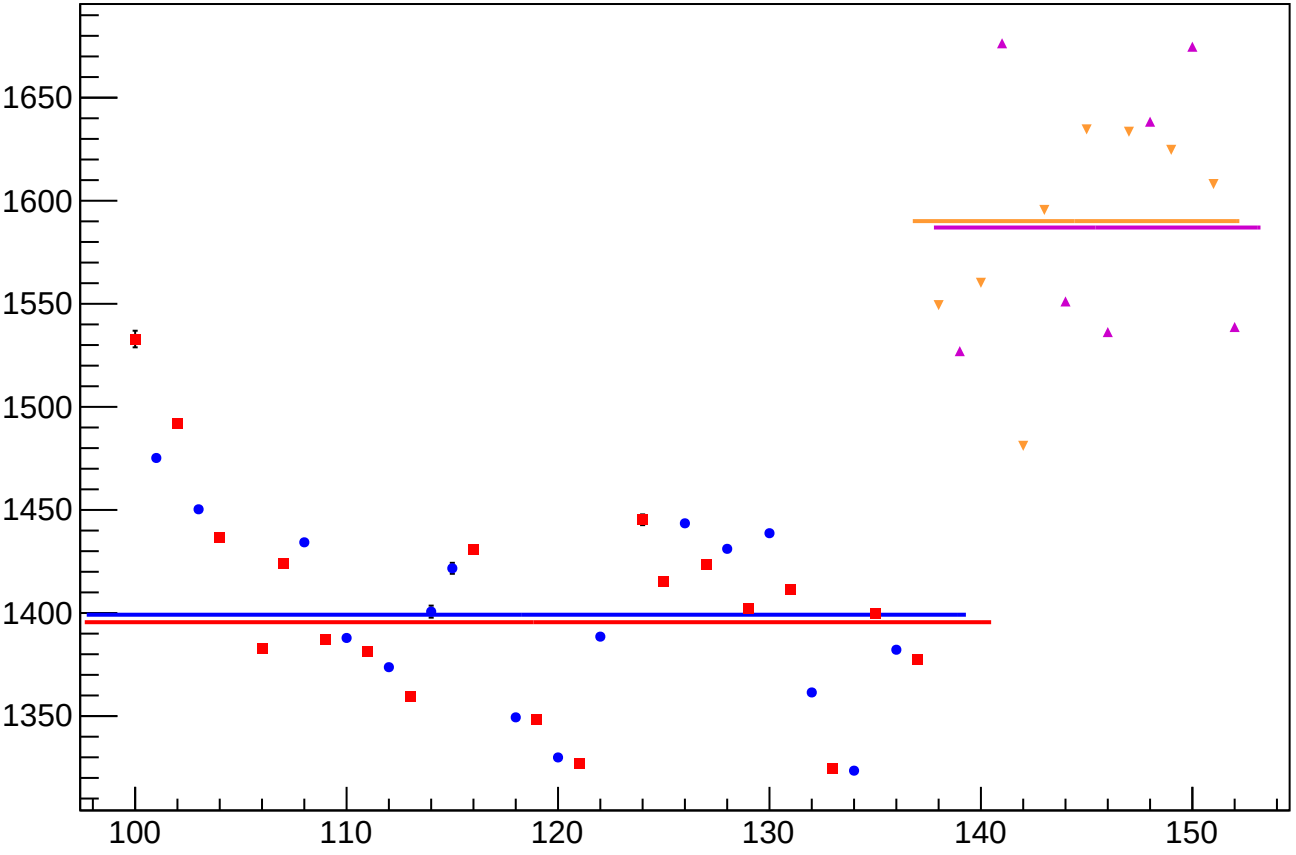
Left In: -34.247+/-0.643 χ^2/NDF:235.1/6

+ sign -28.977+/-0.403 χ^2/NDF: 5976.4/23

All: -19.947+/-0.284 χ^2/NDF: 11415.4/49

- sign -11.105+/-0.399 χ^2/NDF: 4447.0/25

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1590.119+/-0.452 χ^2/NDF:9826.8/7

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

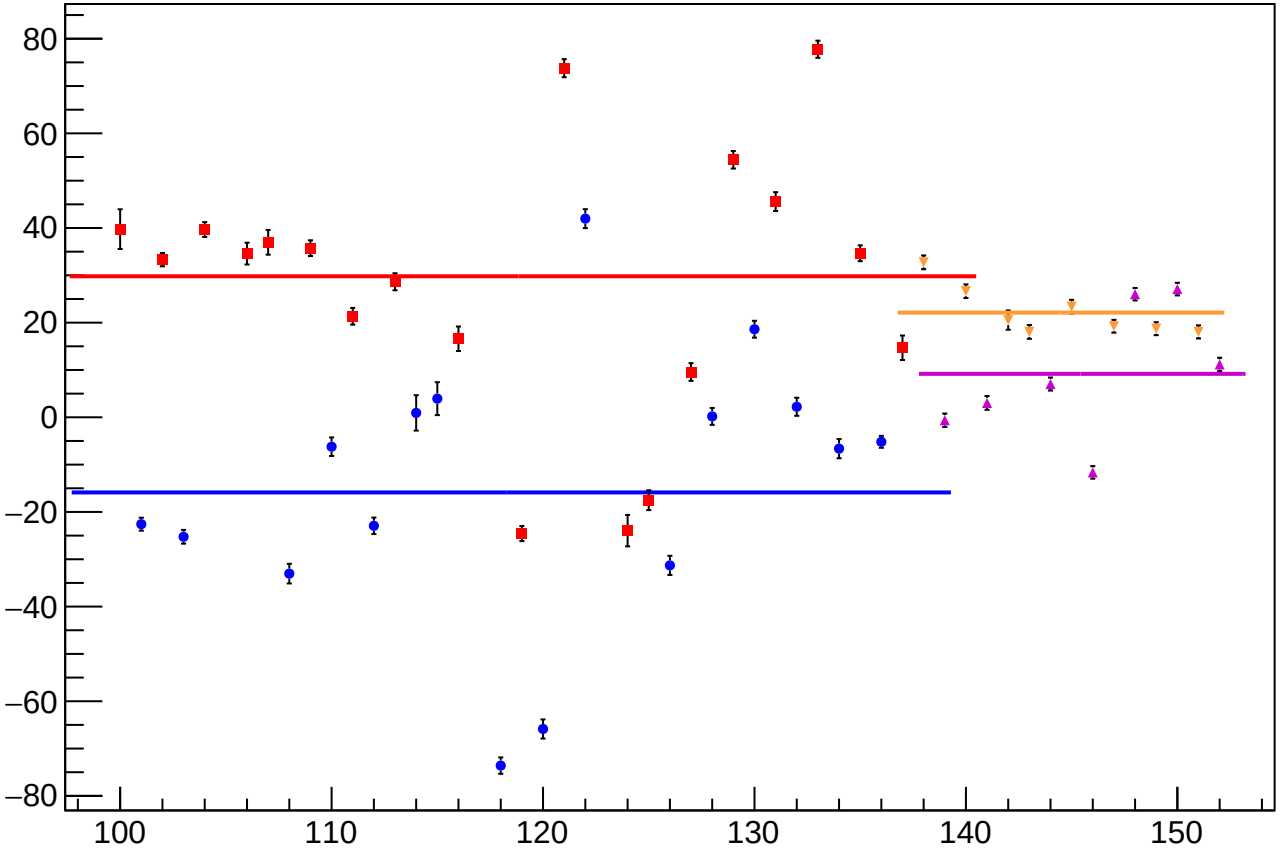
Left In: 1587.006+/-0.454 χ^2/NDF:18767.2/6

+ sign 1475.196+/-0.285 χ^2/NDF: 132083.9/23

All: 1472.250+/-0.201 χ^2/NDF: 276342.6/49

- sign 1469.366+/-0.282 χ^2/NDF: 144047.6/25

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 22.124+/-0.518 χ^2/NDF:91.6/7

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

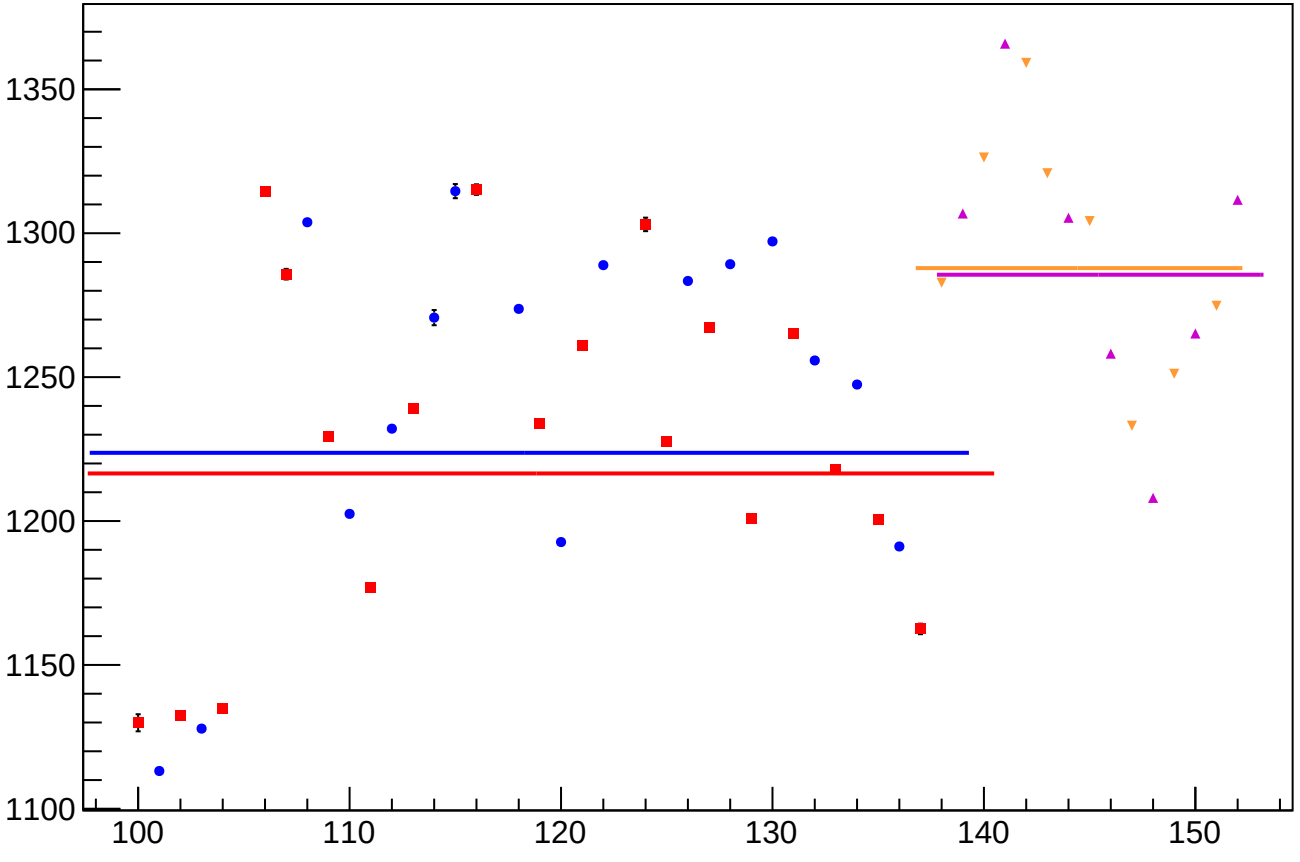
Left In: 9.180+/-0.520 χ^2/NDF:659.7/6

+ sign 0.695+/-0.342 χ^2/NDF: 6608.4/23

All: 11.017+/-0.240 χ^2/NDF: 13660.3/49

- sign 21.096+/-0.338 χ^2/NDF: 5249.9/25

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1287.881+/-0.366 χ^2/NDF:10011.3/7

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

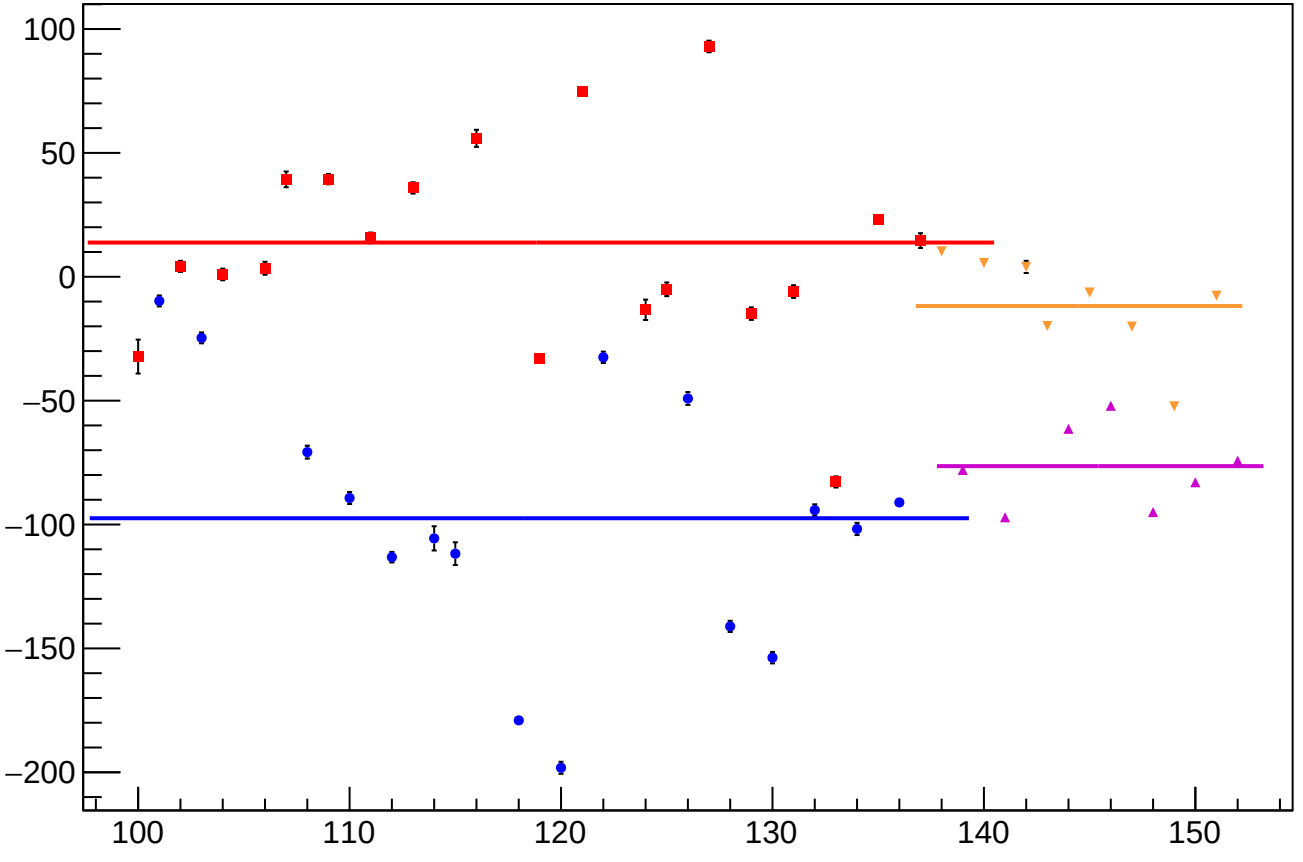
Left In: 1285.582+/-0.368 χ^2/NDF:15853.9/6

+ sign 1251.691+/-0.242 χ^2/NDF: 68230.3/23

All: 1248.649+/-0.170 χ^2/NDF: 134162.8/49

- sign 1245.679+/-0.239 χ^2/NDF: 65619.5/25

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -11.811+/-0.654 χ^2/NDF:852.5/7

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

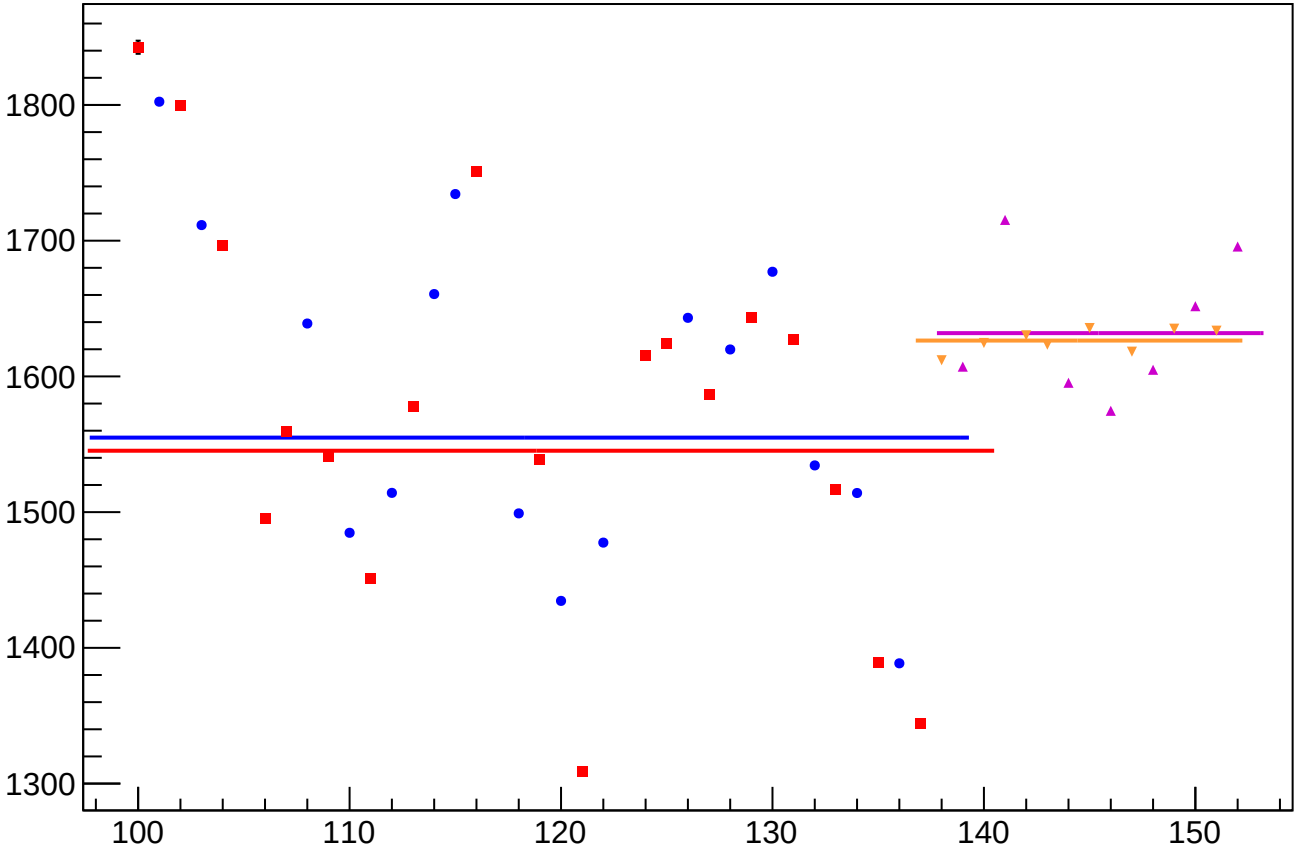
Left In: -76.426+/-0.660 χ^2/NDF:550.8/6

+ sign -59.780+/-0.434 χ^2/NDF: 18763.6/23

All: -41.918+/-0.305 χ^2/NDF: 38803.9/49

- sign -24.393+/-0.430 χ^2/NDF: 16678.9/25

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1626.417+/-0.462 χ^2/NDF:314.2/7

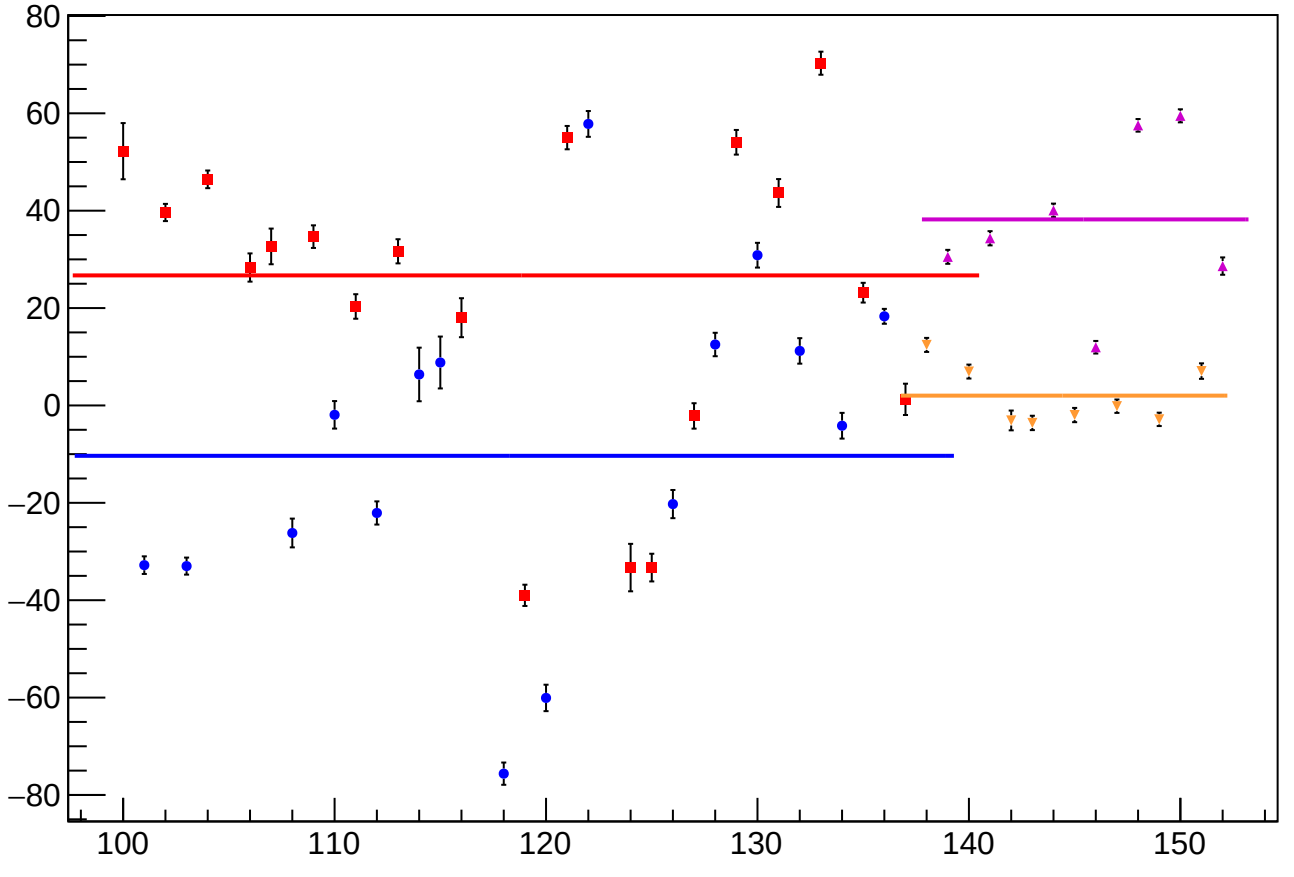
Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1631.890+/-0.467 χ^2/NDF:11046.1/6

+ sign 1586.365+/-0.307 χ^2/NDF: 101634.5/23

All: 1584.125+/-0.216 χ^2/NDF: 241446.5/49

- sign 1581.928+/-0.304 χ^2/NDF: 139706.2/25



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 2.017+/-0.528 χ^2/NDF:117.2/7

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

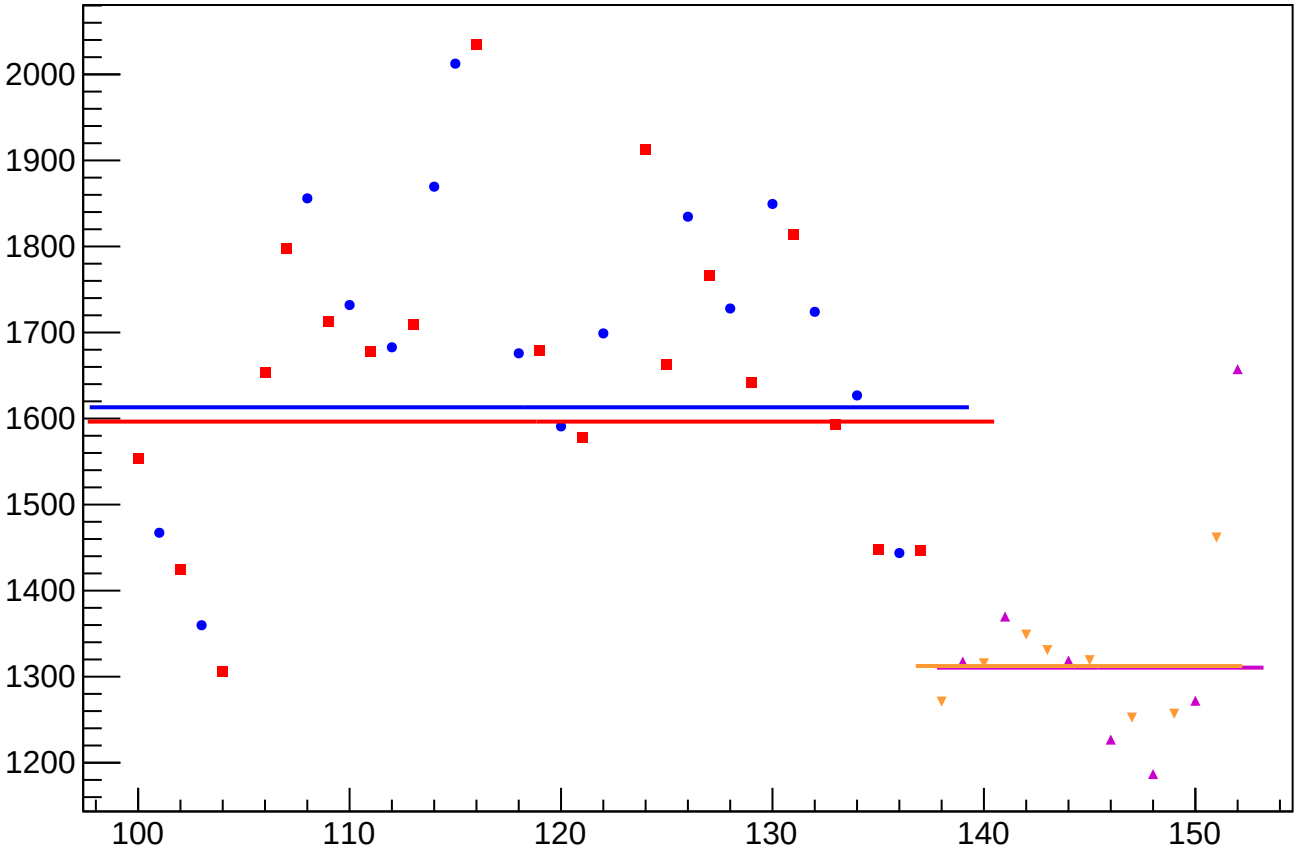
Left In: 38.208+/-0.532 χ^2/NDF:951.0/6

\+ sign -3.348+/-0.397 χ^2/NDF: 3361.9/23

All: 14.986+/-0.280 χ^2/NDF: 11287.3/49

\- sign 33.015+/-0.394 χ^2/NDF: 3702.7/25

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1312.375+/-0.373 χ^2/NDF:27269.1/7

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

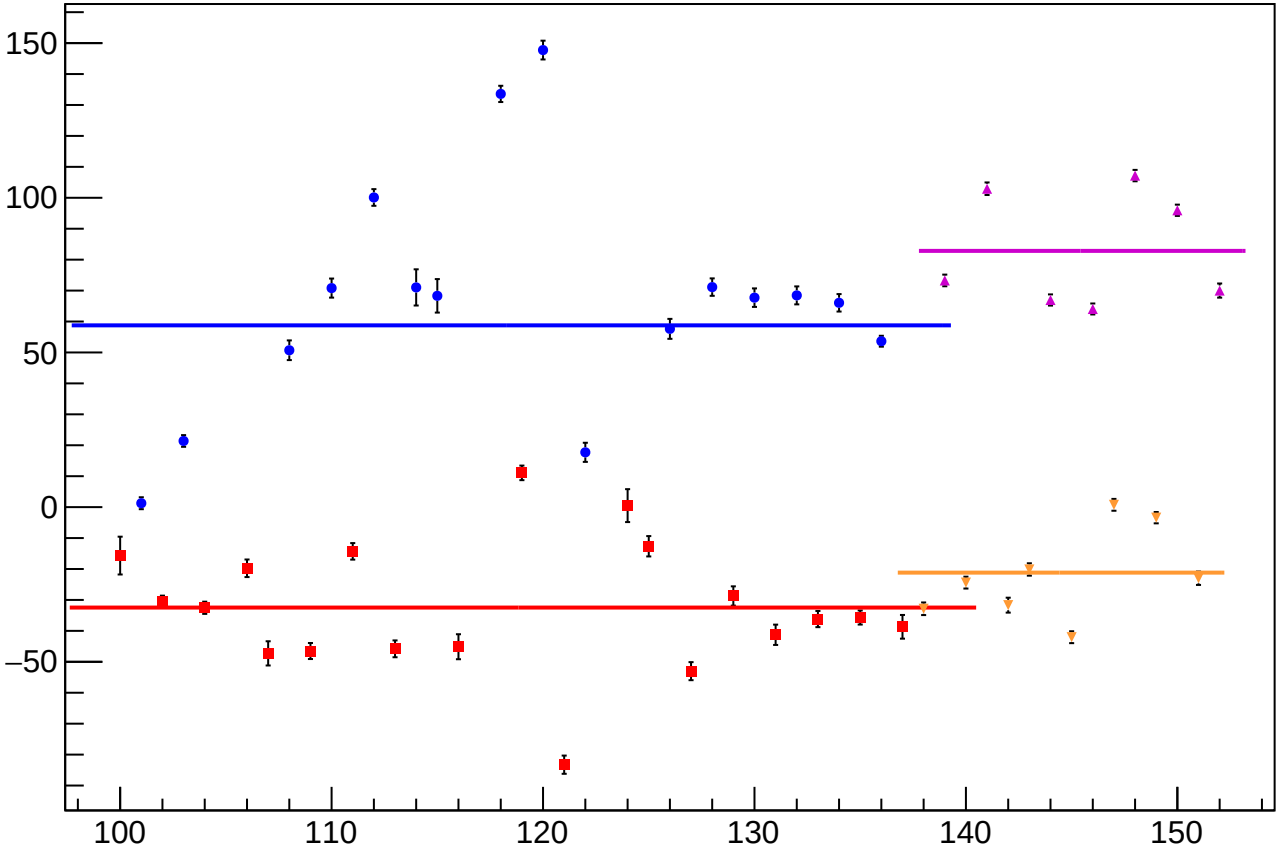
Left In: 1310.501+/-0.376 χ^2/NDF:107353.8/6

\+ sign 1442.890+/-0.281 χ^2/NDF: 463383.8/23

All: 1441.244+/-0.198 χ^2/NDF: 992361.4/49

\- sign 1439.625+/-0.279 χ^2/NDF: 528909.5/25

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -21.171+/-0.709 χ^2/NDF:398.9/7

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

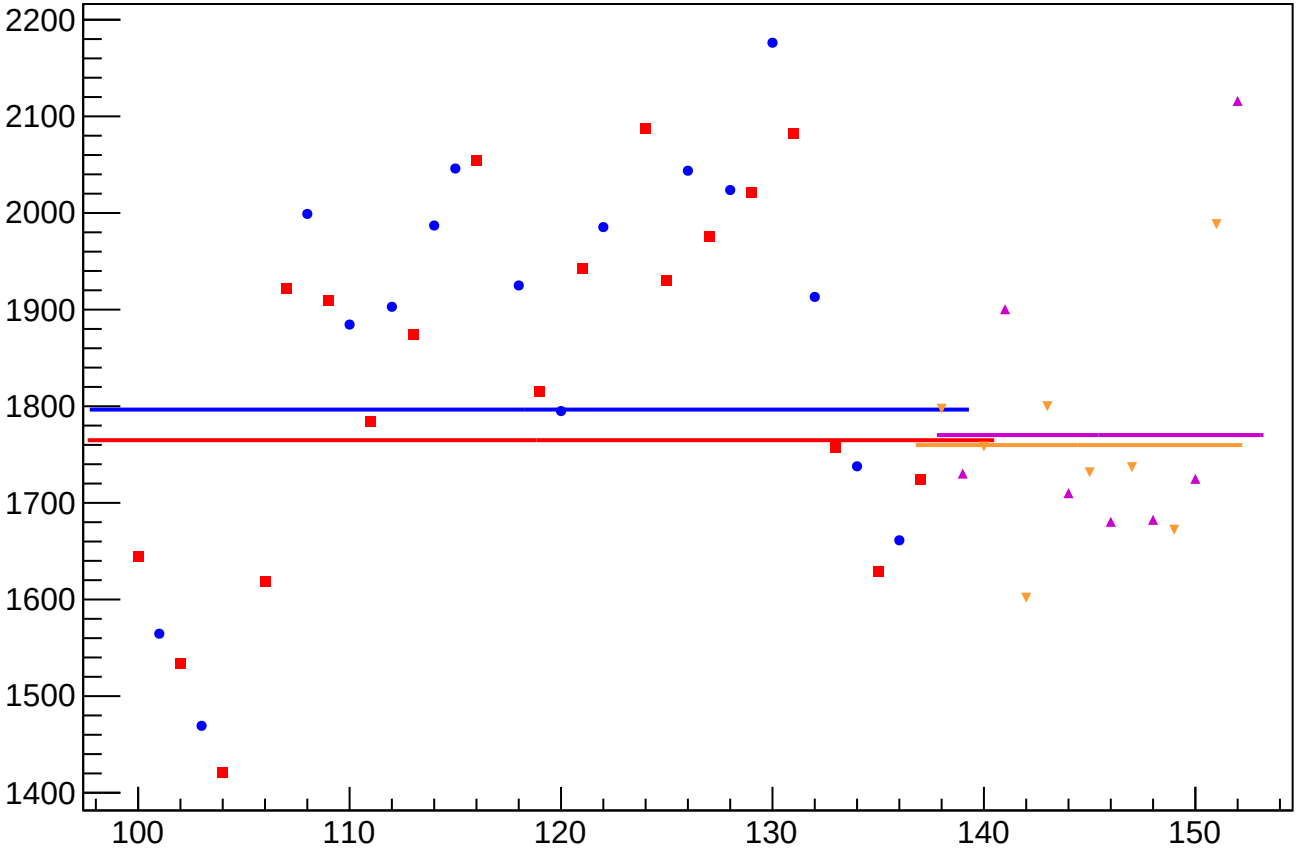
Left In: 82.835+/-0.718 χ^2/NDF:571.4/6

+ sign 20.916+/-0.488 χ^2/NDF: 10531.9/23

All: 20.094+/-0.343 χ^2/NDF: 26233.4/49

- sign 19.294+/-0.481 χ^2/NDF: 15695.8/25

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1759.828+/-0.501 χ^2/NDF:37551.0/7

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

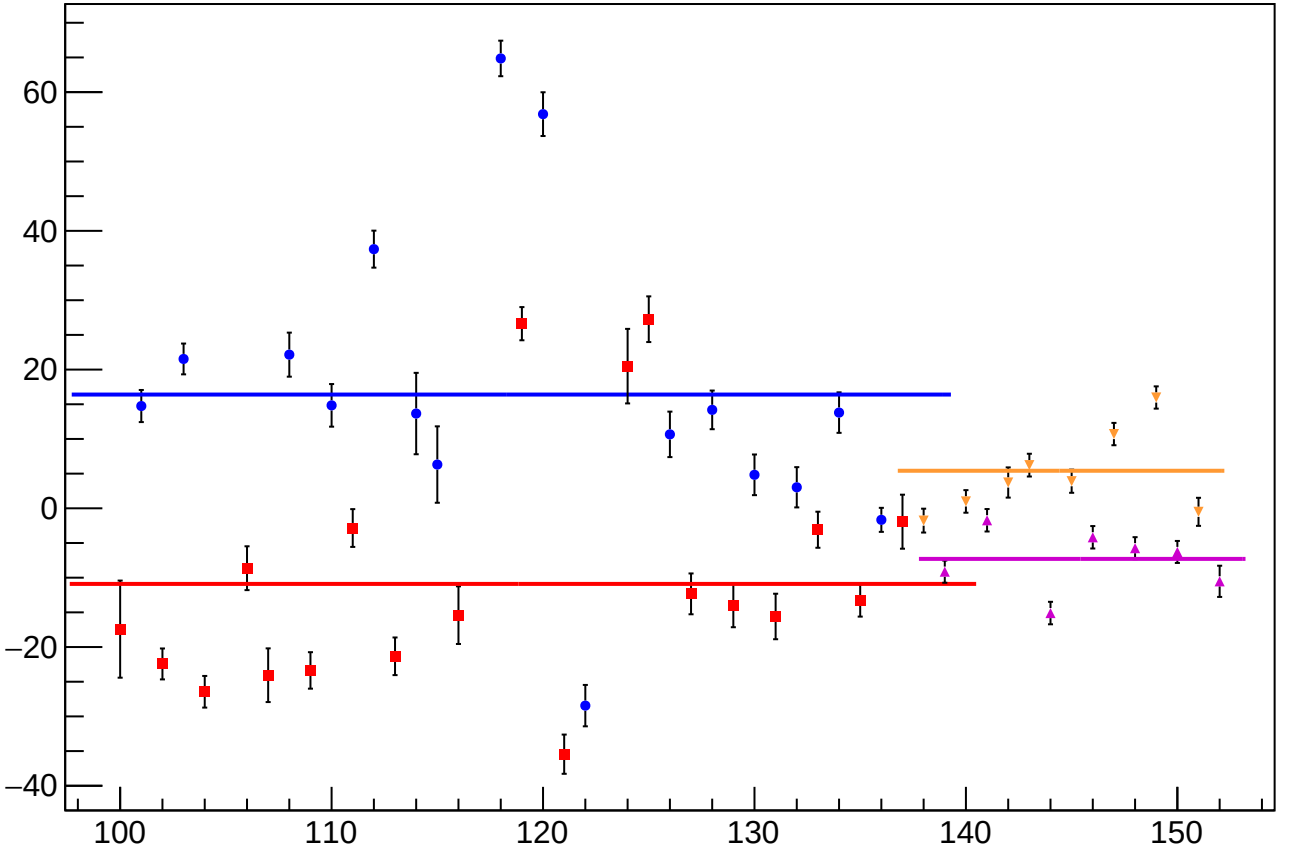
Left In: 1770.191+/-0.508 χ^2/NDF:67996.5/6

+ sign 1779.166+/-0.345 χ^2/NDF: 233547.4/23

All: 1773.129+/-0.242 χ^2/NDF: 492196.7/49

- sign 1767.253+/-0.340 χ^2/NDF: 258045.1/25

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 5.414+/-0.612 χ^2/NDF:89.2/7

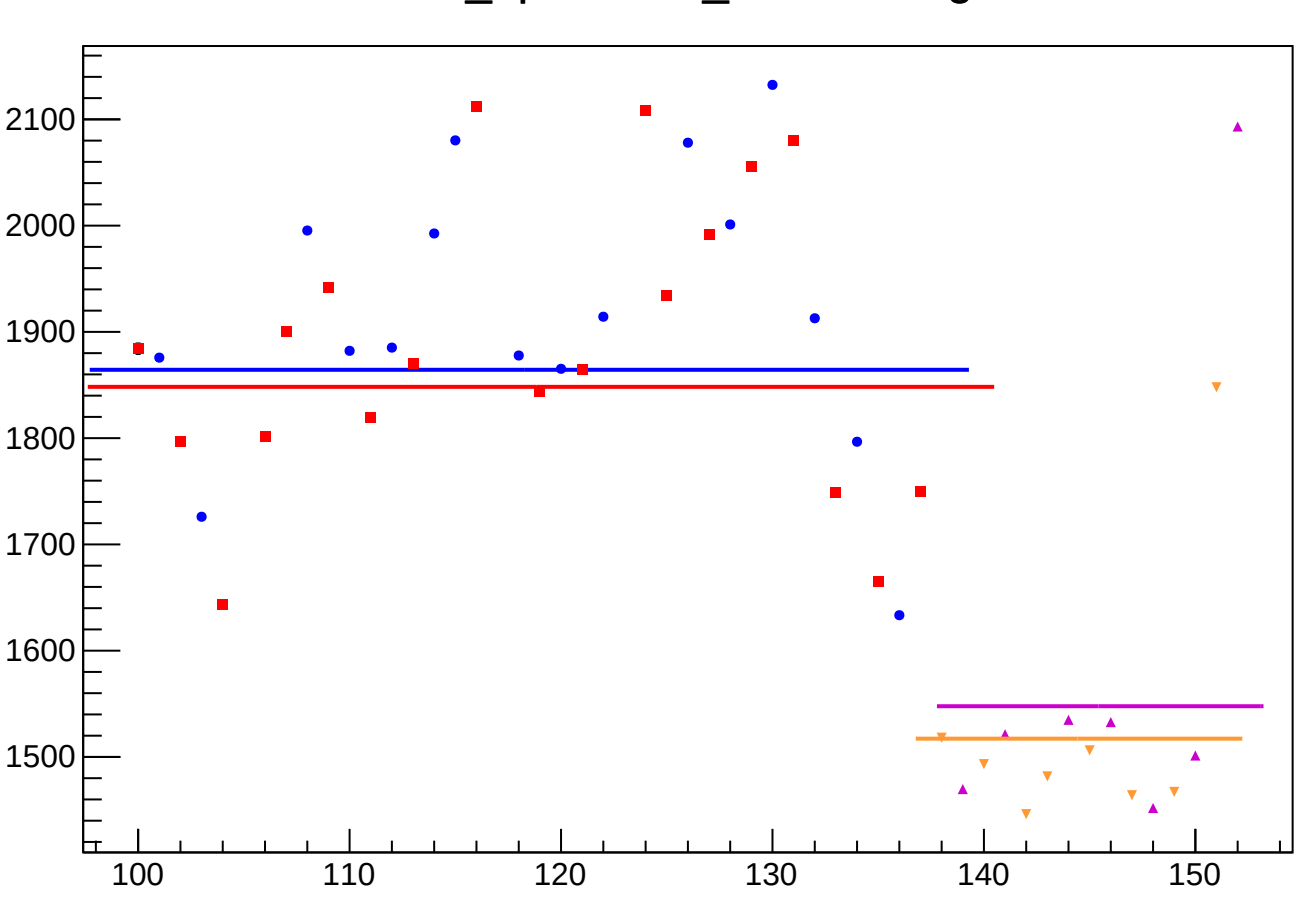
Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: -7.293+/-0.629 χ^2/NDF:43.5/6

+ sign 10.208+/-0.459 χ^2/NDF: 1203.0/23

All: 0.650+/-0.325 χ^2/NDF: 2772.9/49

- sign -8.965+/-0.460 χ^2/NDF: 700.5/25



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1517.209+/-0.432 χ^2/NDF:61181.8/7

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

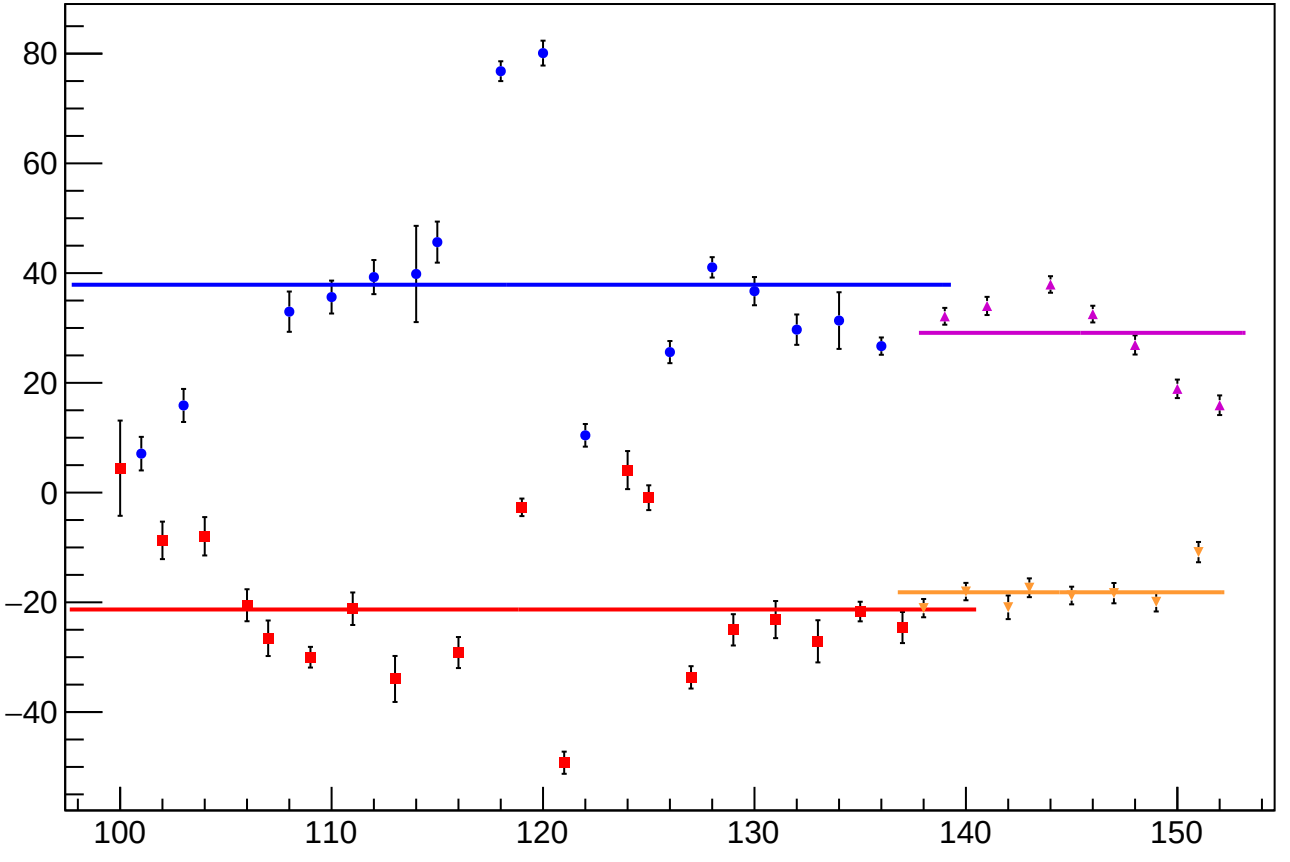
Left In: 1547.728+/-0.445 χ^2/NDF:132189.8/6

+ sign 1668.692+/-0.325 χ^2/NDF: 425713.7/23

All: 1677.859+/-0.230 χ^2/NDF: 846347.1/49

- sign 1687.081+/-0.326 χ^2/NDF: 419033.7/25

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.169+/-0.619 χ^2/NDF:21.7/7

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

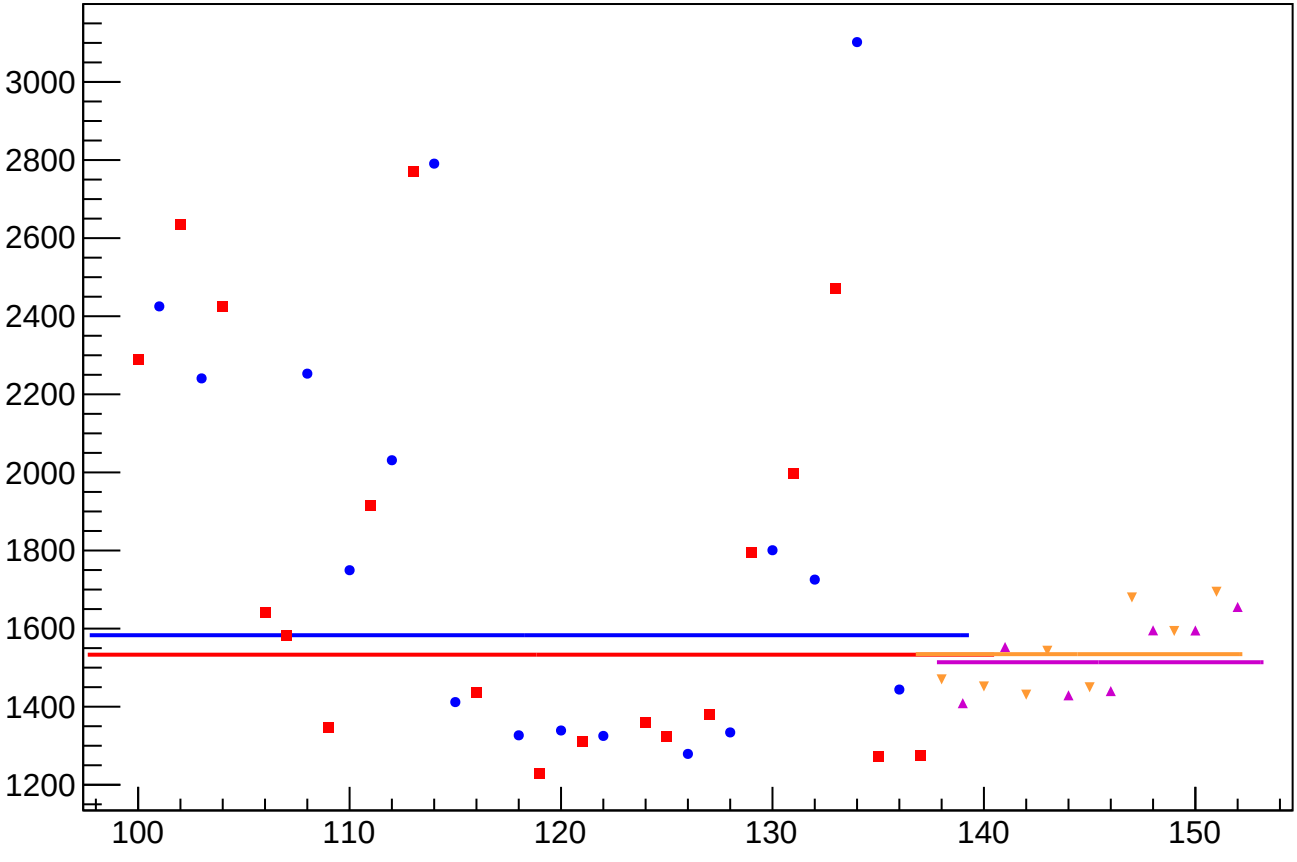
Left In: 29.113+/-0.614 χ^2/NDF:144.3/6

+ sign 9.696+/-0.439 χ^2/NDF: 5349.9/23

All: 6.264+/-0.306 χ^2/NDF: 9684.7/49

- sign 3.022+/-0.427 χ^2/NDF: 4215.9/25

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1534.546+/-0.438 χ^2/NDF:48247.6/7

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

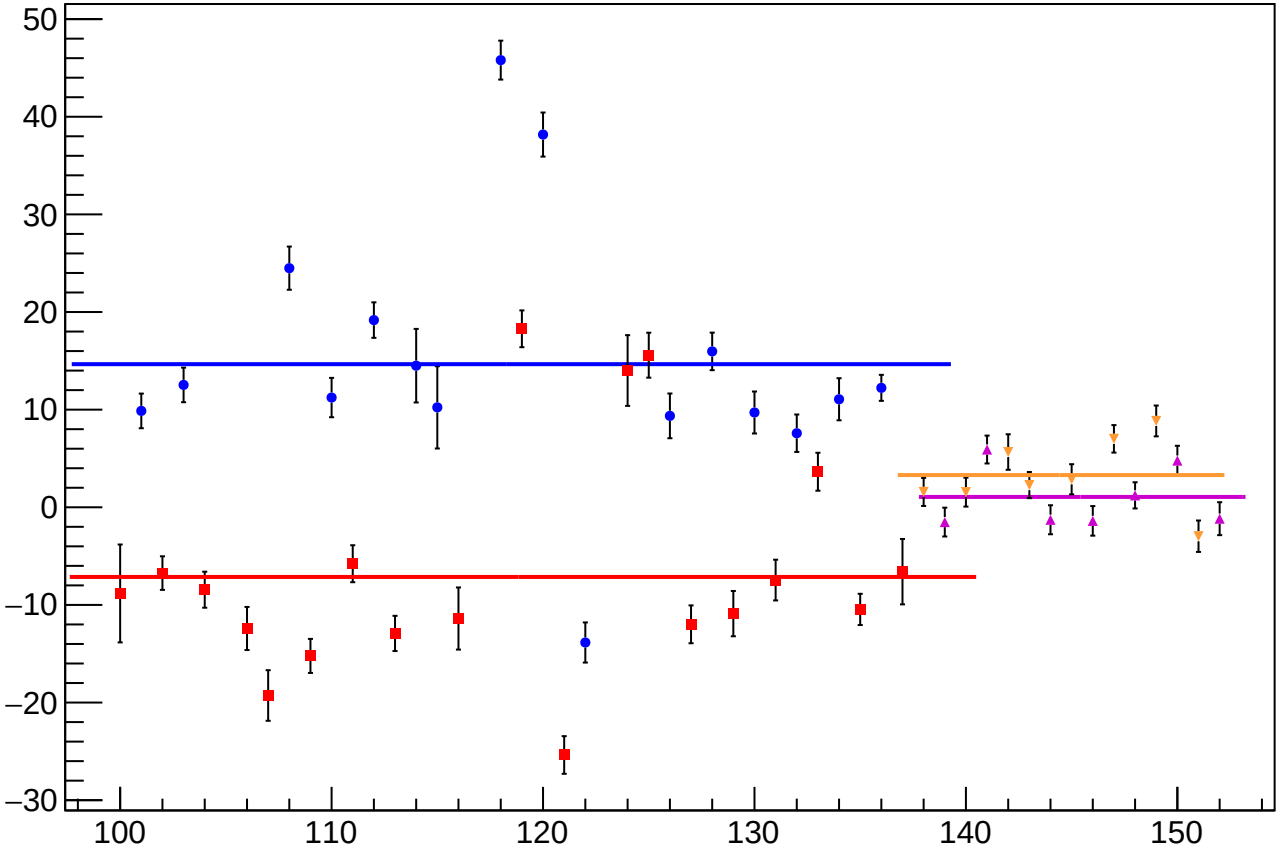
Left In: 1513.860+/-0.434 χ^2/NDF:43018.0/6

+ sign 1558.659+/-0.310 χ^2/NDF: 842028.4/23

All: 1540.767+/-0.216 χ^2/NDF: 1843315.9/49

- sign 1523.863+/-0.302 χ^2/NDF: 994821.0/25

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 3.301+/-0.534 χ^2/NDF:39.6/7

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

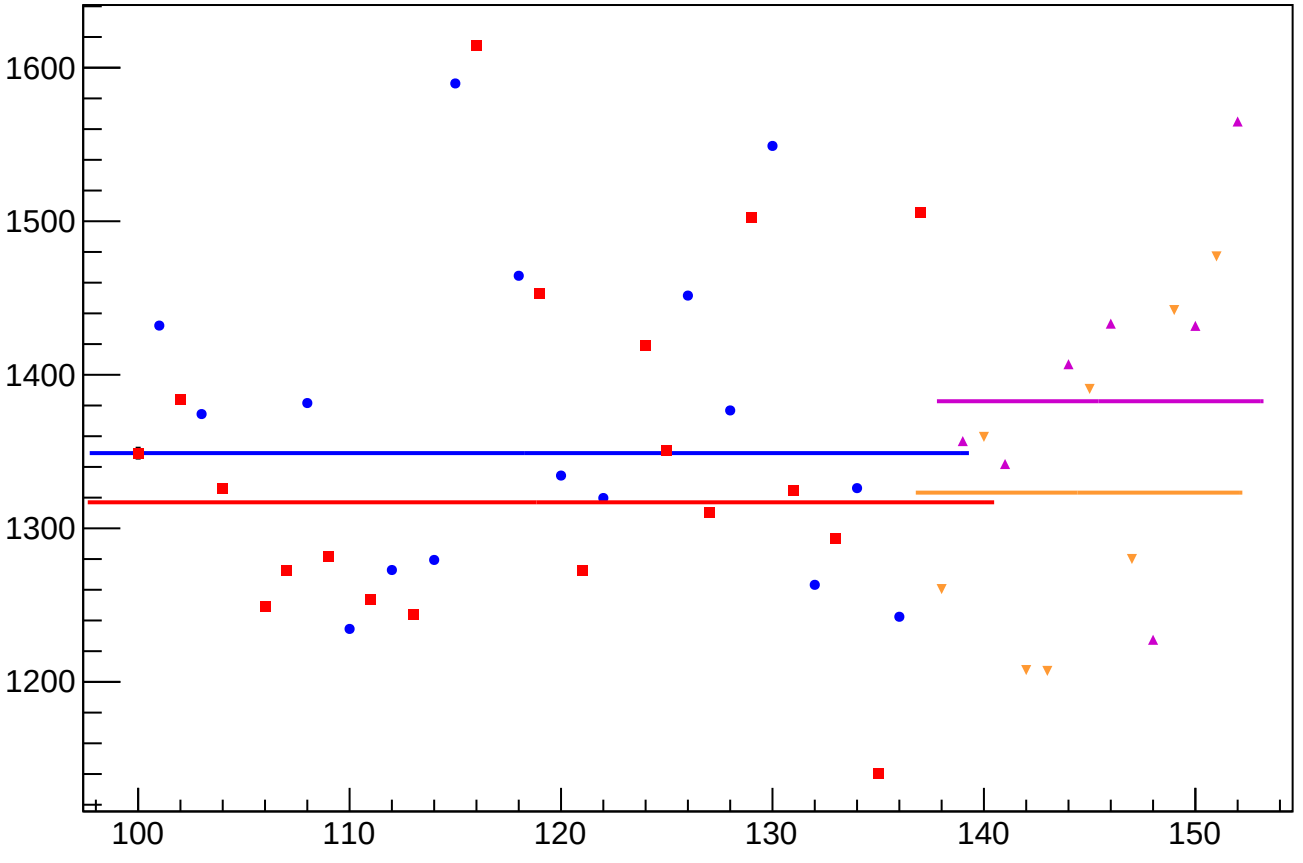
Left In: 1.061+/-0.561 χ^2/NDF:27.5/6

+ sign 9.300+/-0.367 χ^2/NDF: 893.5/23

All: 2.818+/-0.259 χ^2/NDF: 2177.0/49

- sign -3.641+/-0.366 χ^2/NDF: 659.6/25

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1323.264+/-0.377 χ^2/NDF:63493.8/7

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

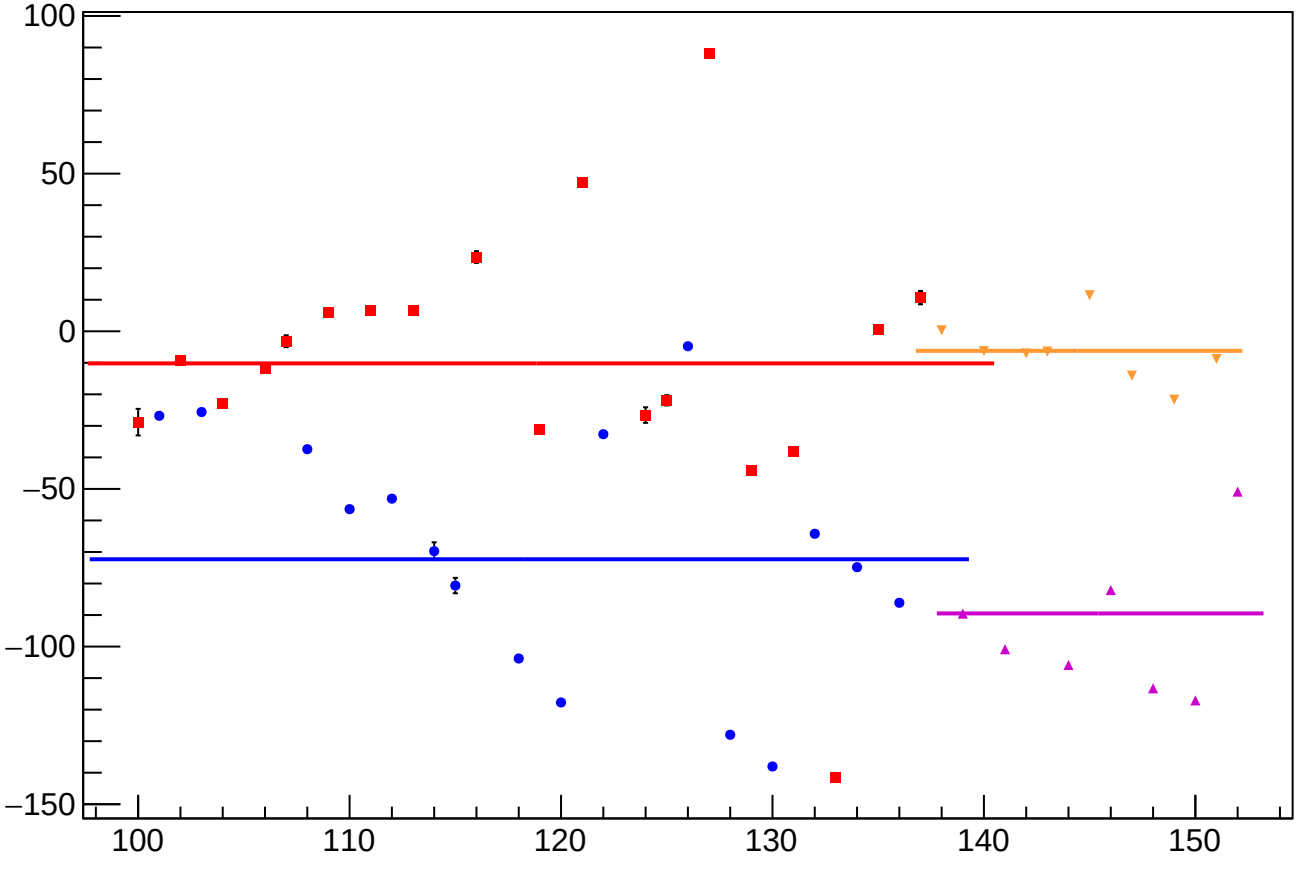
Left In: 1382.782+/-0.396 χ^2/NDF:57291.4/6

+ sign 1336.858+/-0.259 χ^2/NDF: 134333.3/23

All: 1340.944+/-0.183 χ^2/NDF: 294814.6/49

- sign 1345.017+/-0.259 χ^2/NDF: 159985.2/25

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -6.203+/-0.366 χ^2/NDF:569.1/7

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

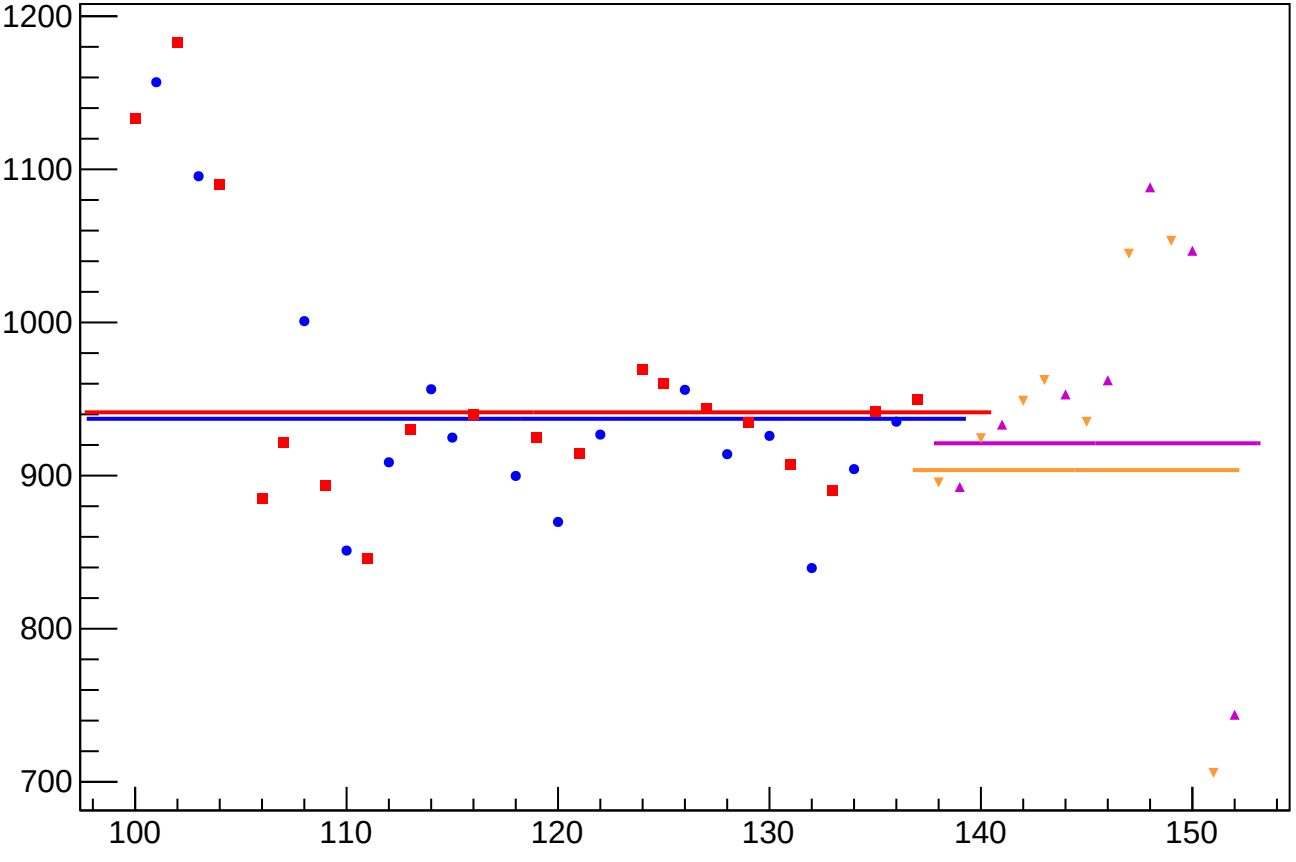
Left In: -89.490+/-0.375 χ^2/NDF:3790.6/6

+ sign -40.783+/-0.253 χ^2/NDF: 29784.8/23

All: -43.641+/-0.179 χ^2/NDF: 77147.7/49

- sign -46.518+/-0.254 χ^2/NDF: 47106.3/25

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 903.609+/-0.259 χ^2/NDF:207632.3/7

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

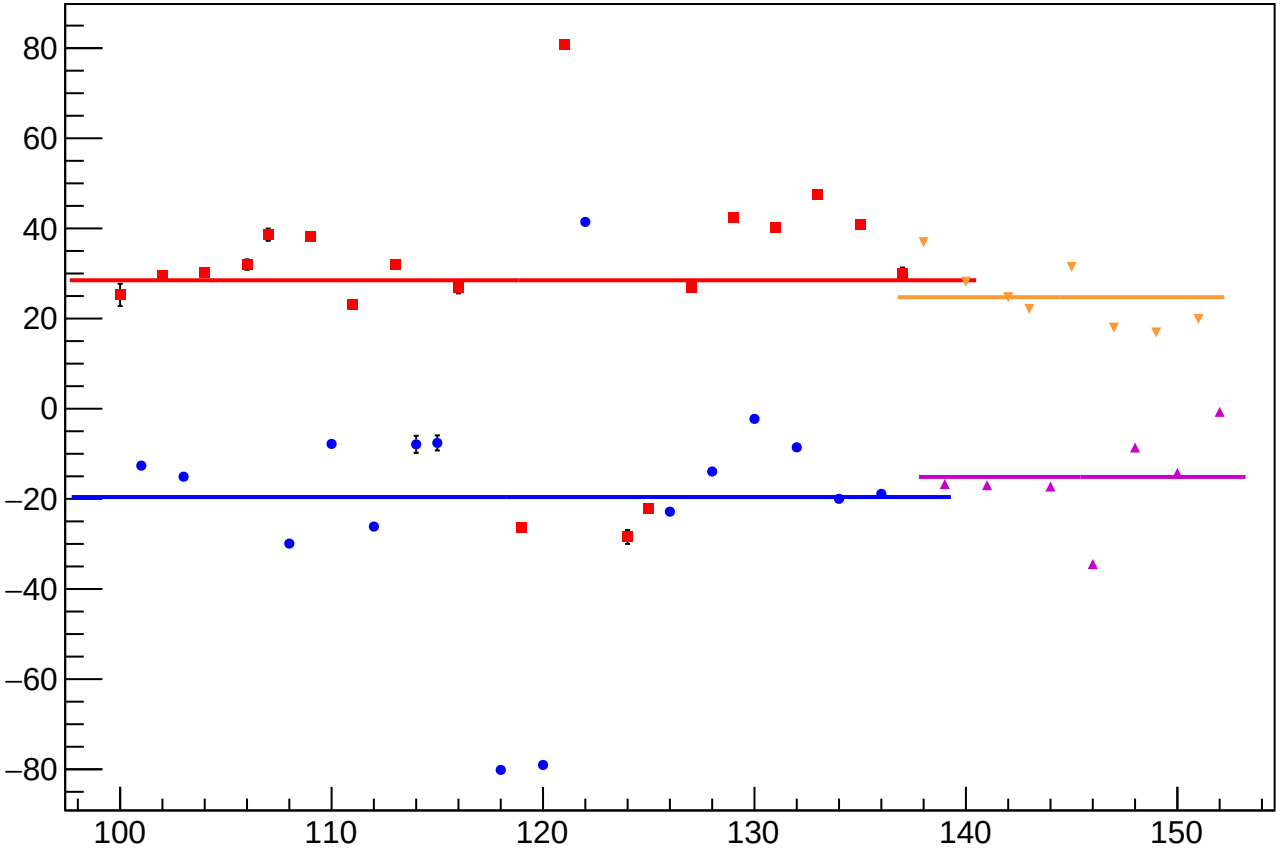
Left In: 921.102+/-0.265 χ^2/NDF:170454.5/6

+ sign 921.128+/-0.179 χ^2/NDF: 321051.2/23

All: 926.575+/-0.127 χ^2/NDF: 597557.1/49

- sign 932.059+/-0.179 χ^2/NDF: 274641.8/25

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.742+/-0.257 χ^2/NDF:661.1/7

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

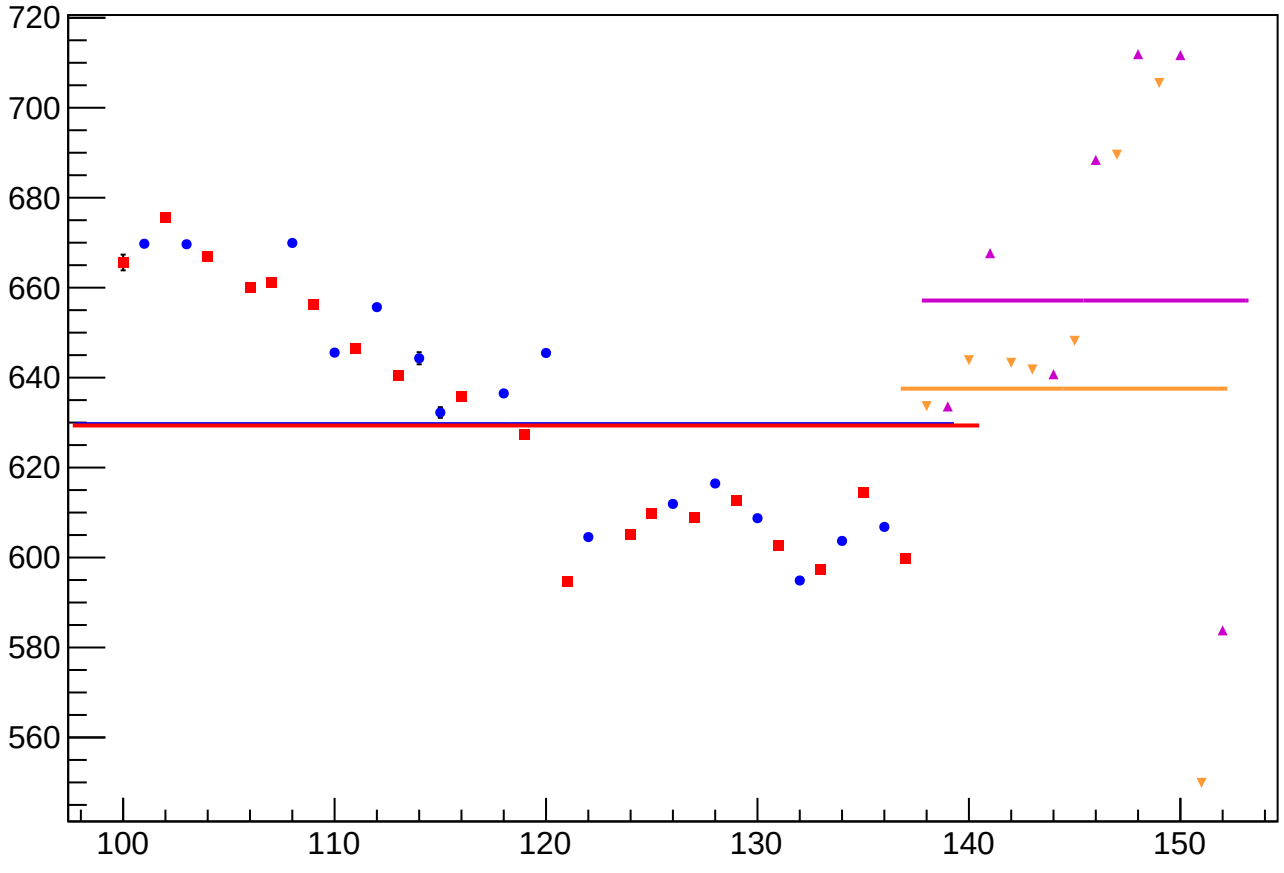
Left In: -15.138+/-0.266 χ^2/NDF:1323.5/6

+ sign 0.527+/-0.173 χ^2/NDF: 30118.8/23

All: 5.178+/-0.123 χ^2/NDF: 61266.6/49

- sign 9.879+/-0.174 χ^2/NDF: 29694.0/25

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 637.551+/-0.182 χ^2/NDF:68658.0/7

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

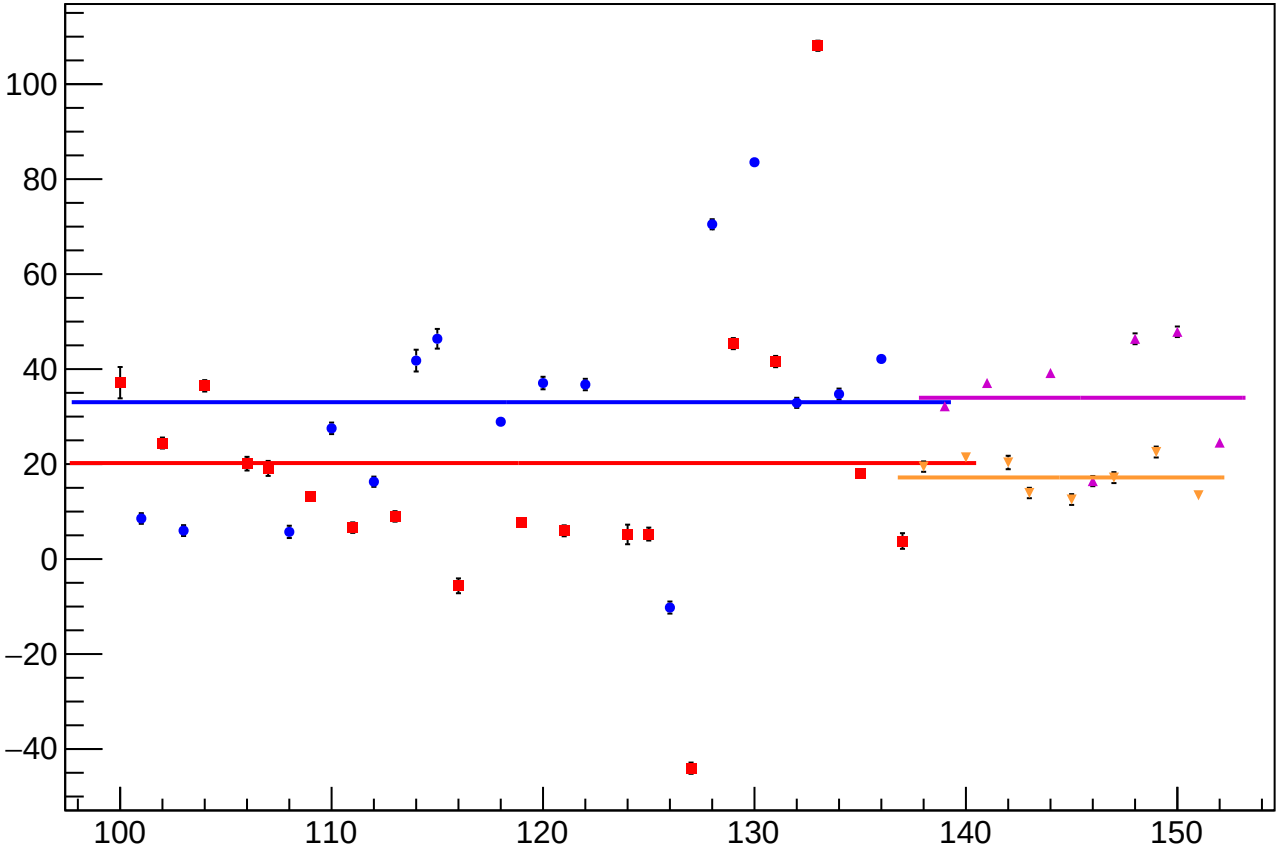
Left In: 657.140+/-0.188 χ^2/NDF:54930.8/6

+ sign 633.241+/-0.122 χ^2/NDF: 95005.2/23

All: 637.206+/-0.087 χ^2/NDF: 191323.1/49

- sign 641.214+/-0.123 χ^2/NDF: 94205.1/25

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.185+/-0.387 χ^2/NDF:91.2/7

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

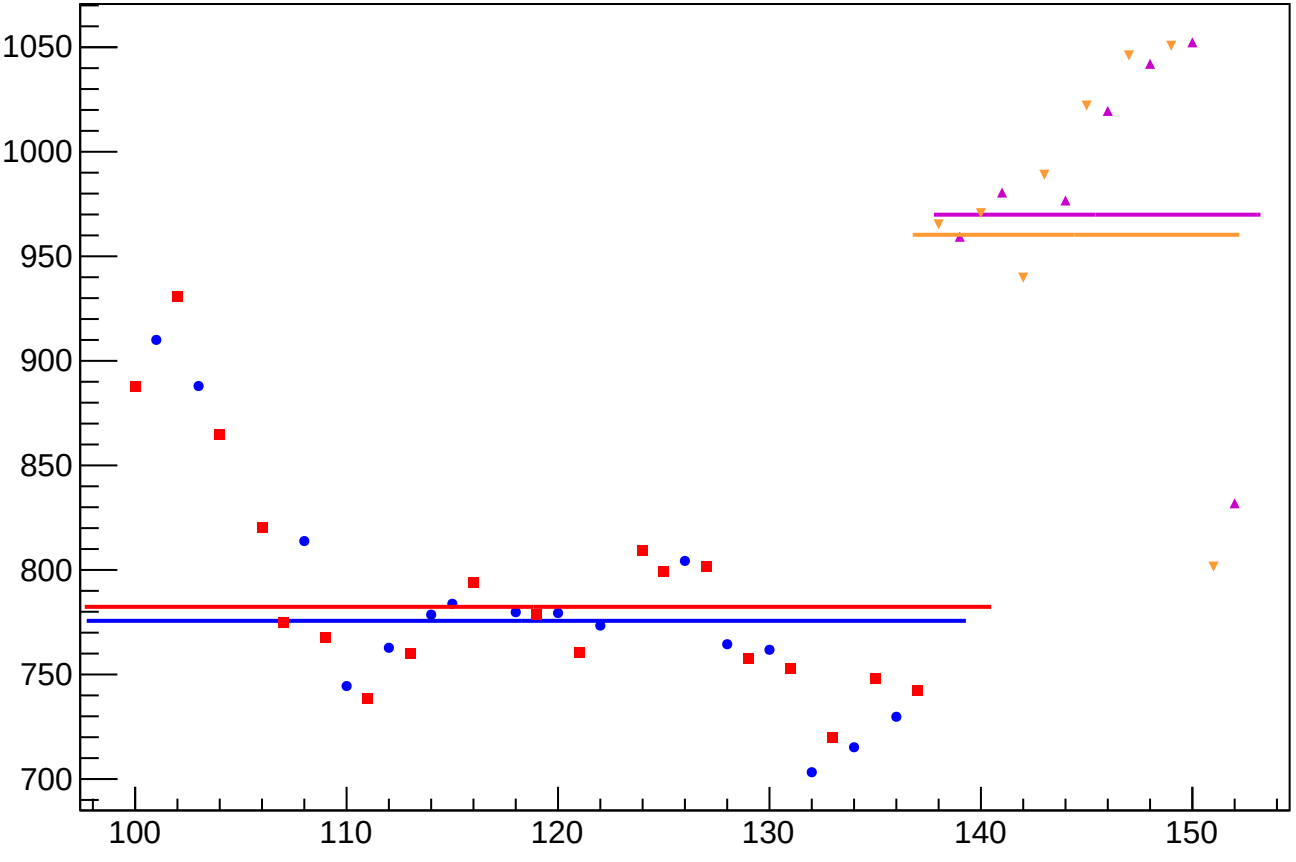
Left In: 33.964+/-0.393 χ^2/NDF:690.1/6

\+ sign 27.367+/-0.232 χ^2/NDF: 7867.1/23

All: 26.169+/-0.164 χ^2/NDF: 21280.5/49

\- sign 24.974+/-0.231 χ^2/NDF: 13359.8/25

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 960.300+/-0.274 χ^2/NDF:97592.6/7

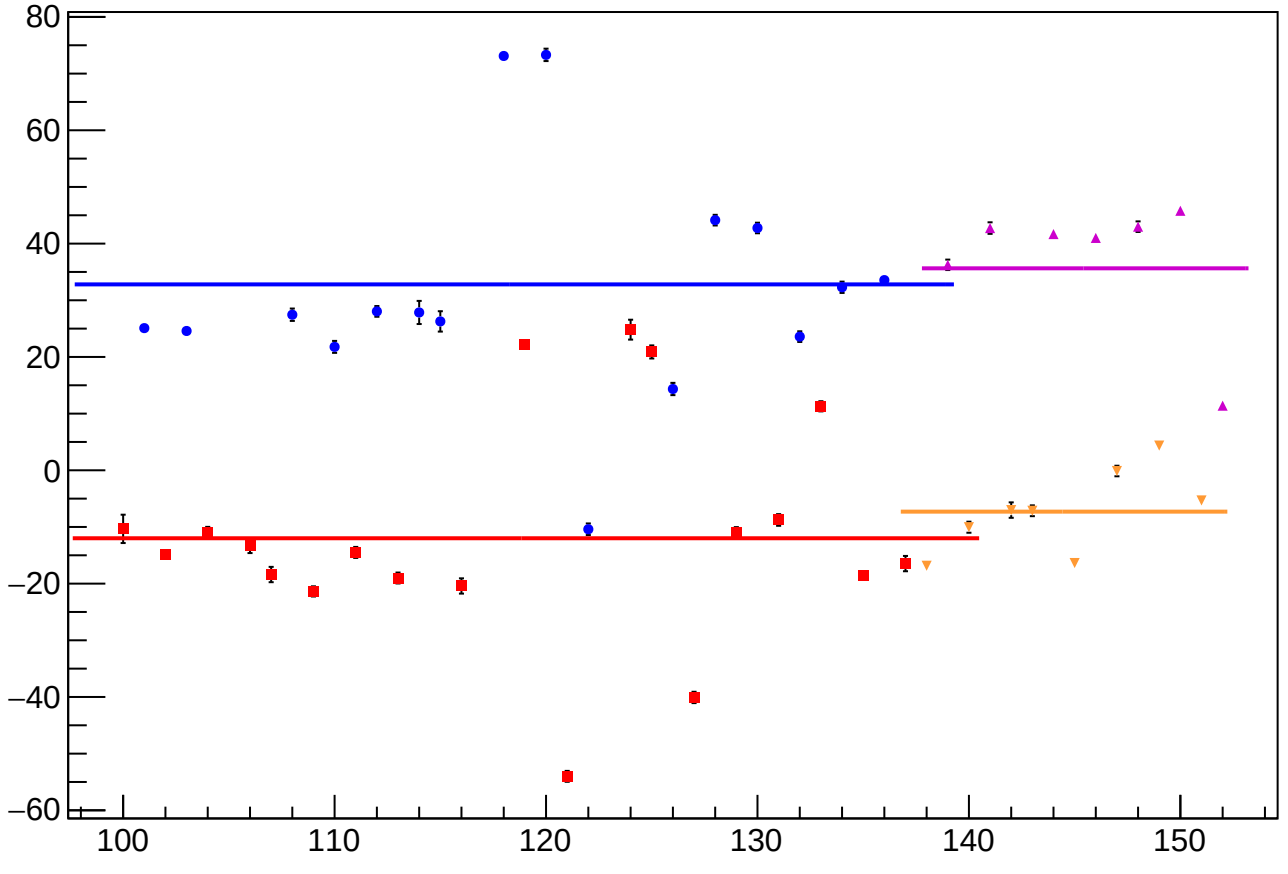
Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 969.912+/-0.278 χ^2/NDF:71219.1/6

+ sign 841.672+/-0.164 χ^2/NDF: 464282.8/23

All: 844.475+/-0.116 χ^2/NDF: 898416.1/49

- sign 847.269+/-0.164 χ^2/NDF: 433548.3/25



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.296+/-0.320 χ^2/NDF:473.2/7

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

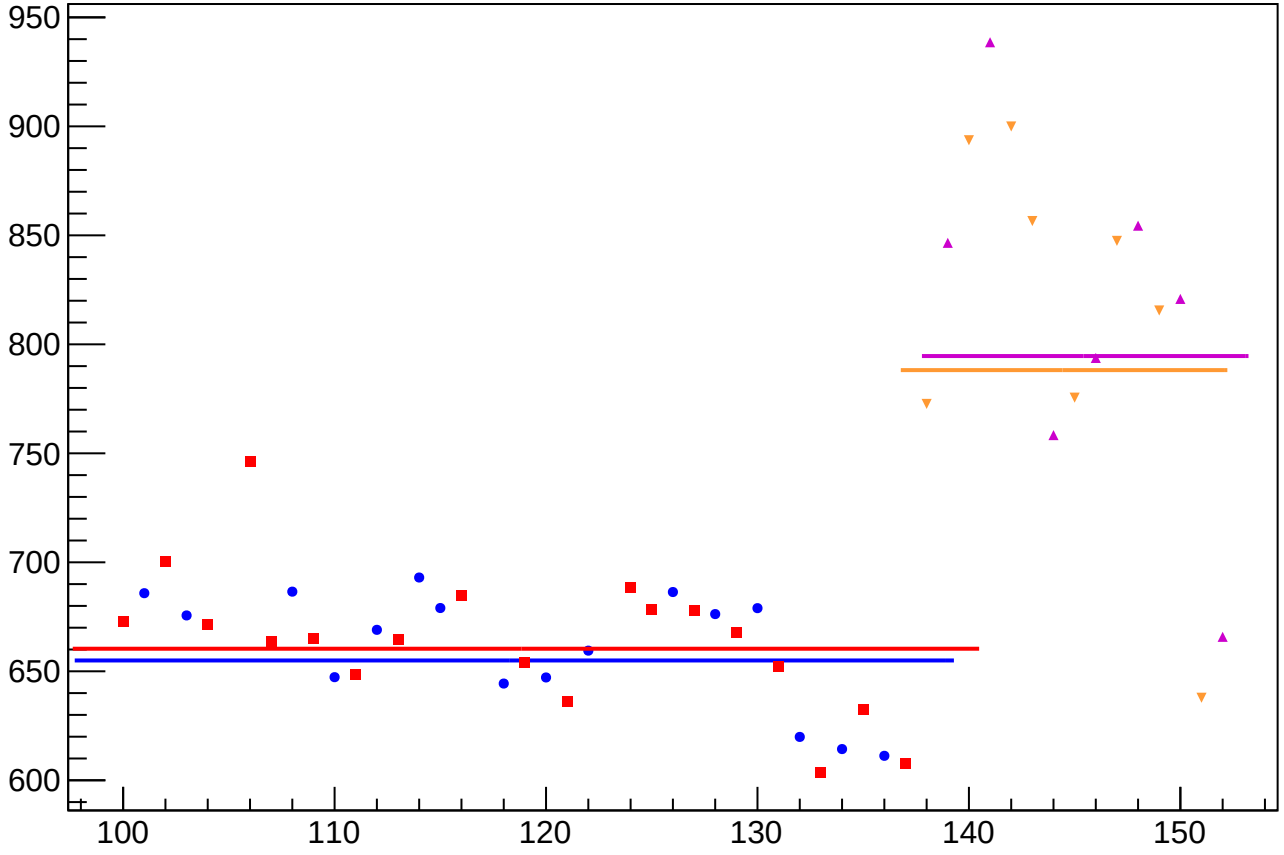
Left In: 35.639+/-0.324 χ^2/NDF:1471.6/6

\+ sign 18.070+/-0.194 χ^2/NDF: 16695.7/23

All: 11.506+/-0.137 χ^2/NDF: 40904.7/49

\- sign 4.951+/-0.194 χ^2/NDF: 21913.5/25

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 788.170+/-0.226 χ^2/NDF:151929.6/7

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

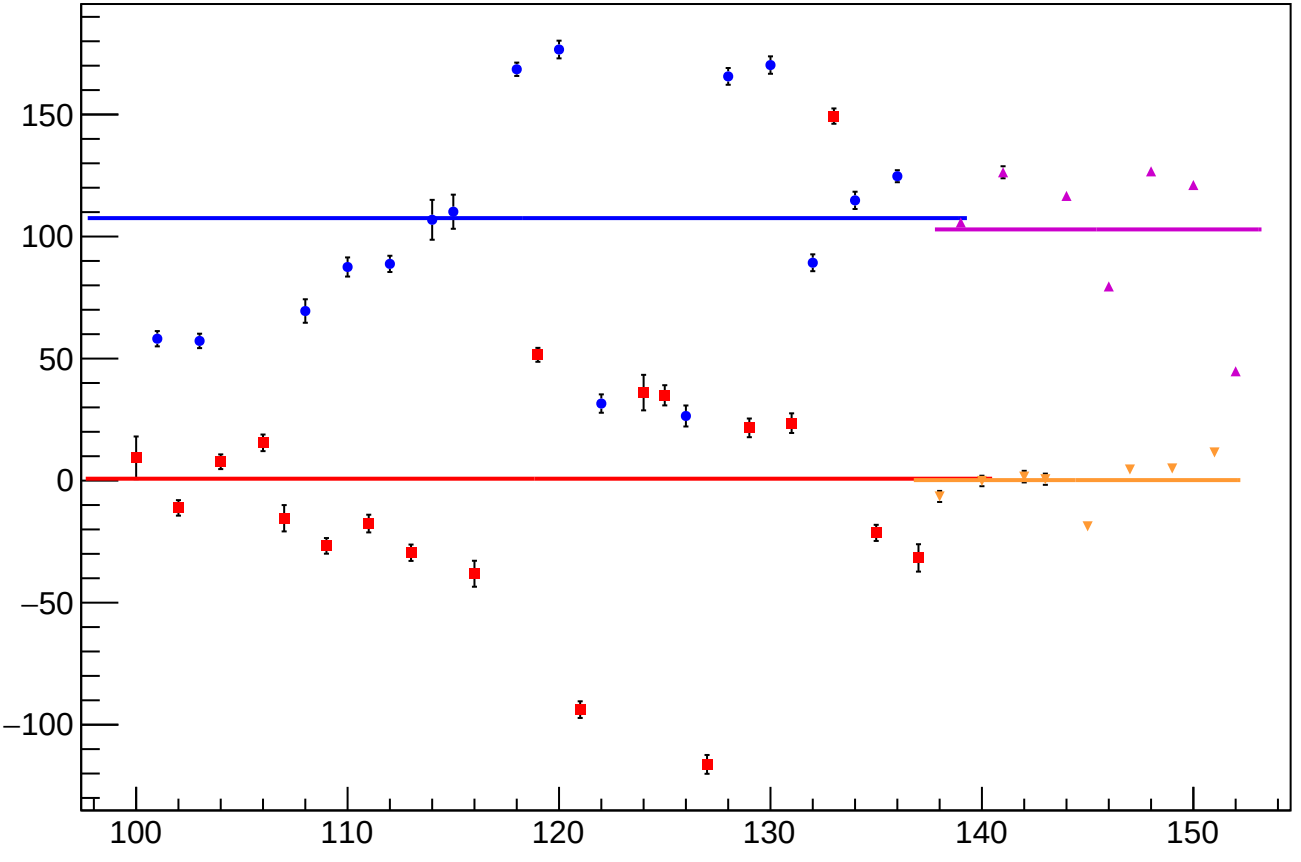
Left In: 794.625+/-0.229 χ^2/NDF:123996.6/6

+ sign 703.912+/-0.137 χ^2/NDF: 398538.5/23

All: 706.018+/-0.097 χ^2/NDF: 774042.7/49

- sign 708.121+/-0.137 χ^2/NDF: 375031.5/25

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 0.213+/-0.712 χ^2/NDF:149.0/7

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

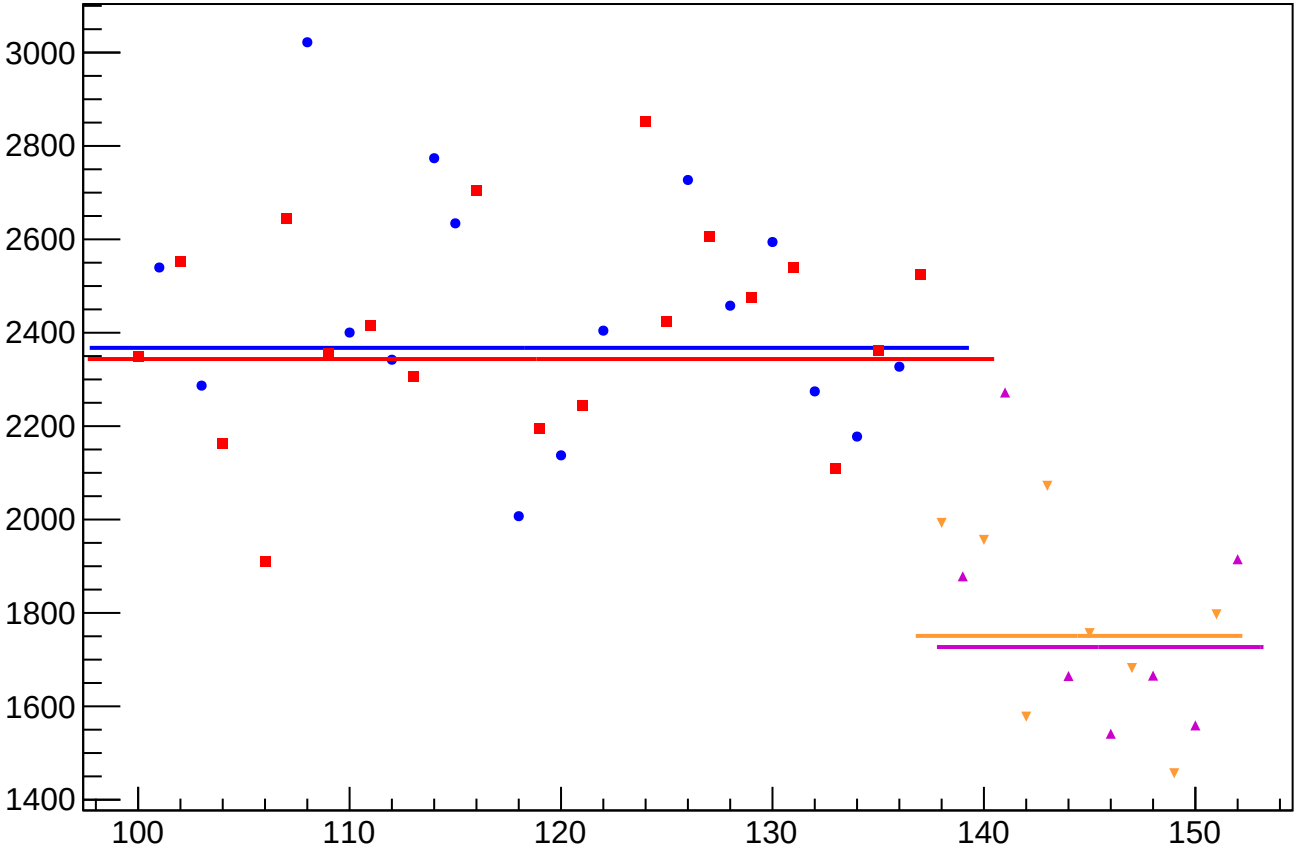
Left In: 102.915+/-0.709 χ^2/NDF:1437.4/6

+ sign 42.403+/-0.555 χ^2/NDF: 12025.6/23

All: 52.163+/-0.390 χ^2/NDF: 27224.5/49

- sign 61.648+/-0.547 χ^2/NDF: 14589.2/25

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1750.866+/-0.504 χ^2/NDF:162318.4/7

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

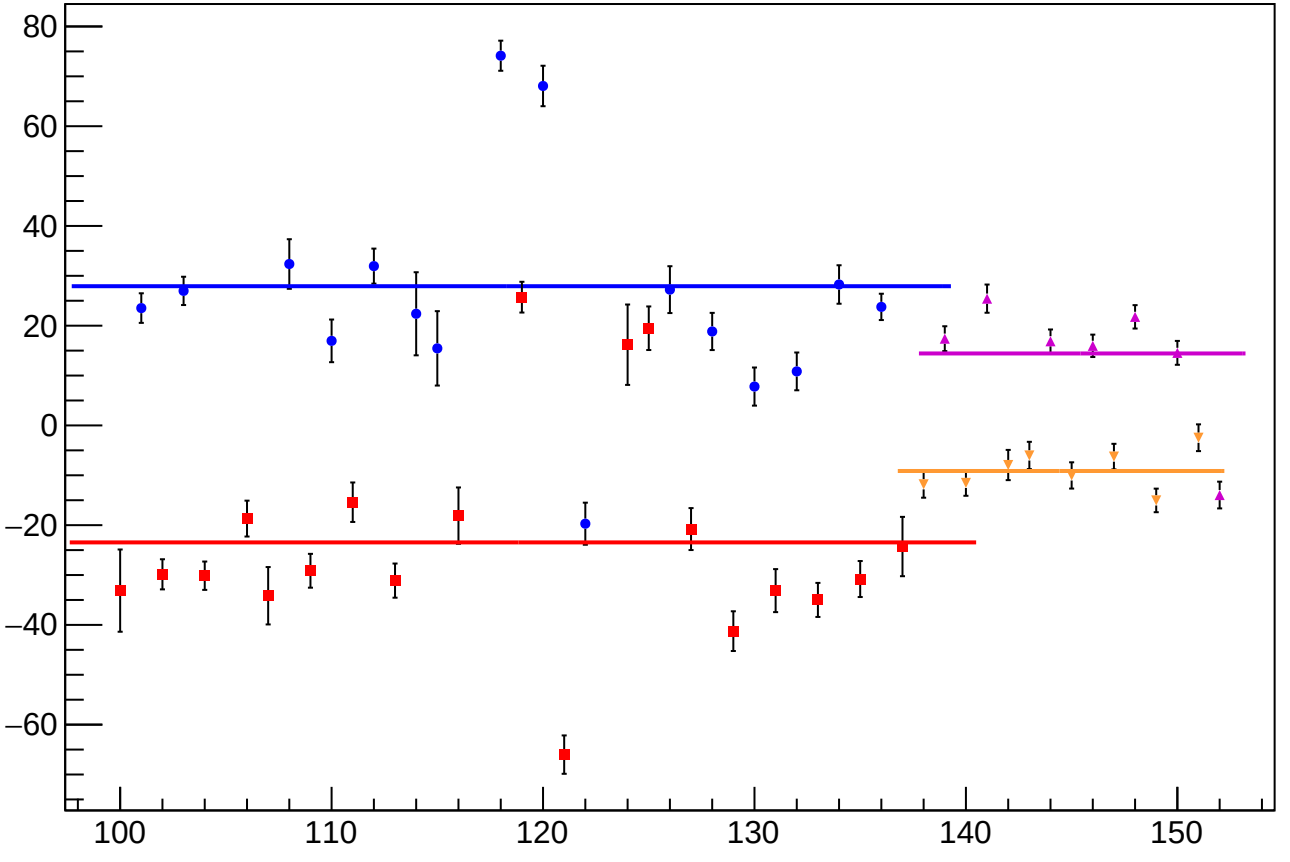
Left In: 1726.962+/-0.501 χ^2/NDF:176530.2/6

+ sign 1993.297+/-0.392 χ^2/NDF: 878190.7/23

All: 1984.611+/-0.276 χ^2/NDF: 1779755.7/49

- sign 1976.170+/-0.387 χ^2/NDF: 900599.4/25

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.137+/-0.934 χ^2/NDF:17.1/7

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

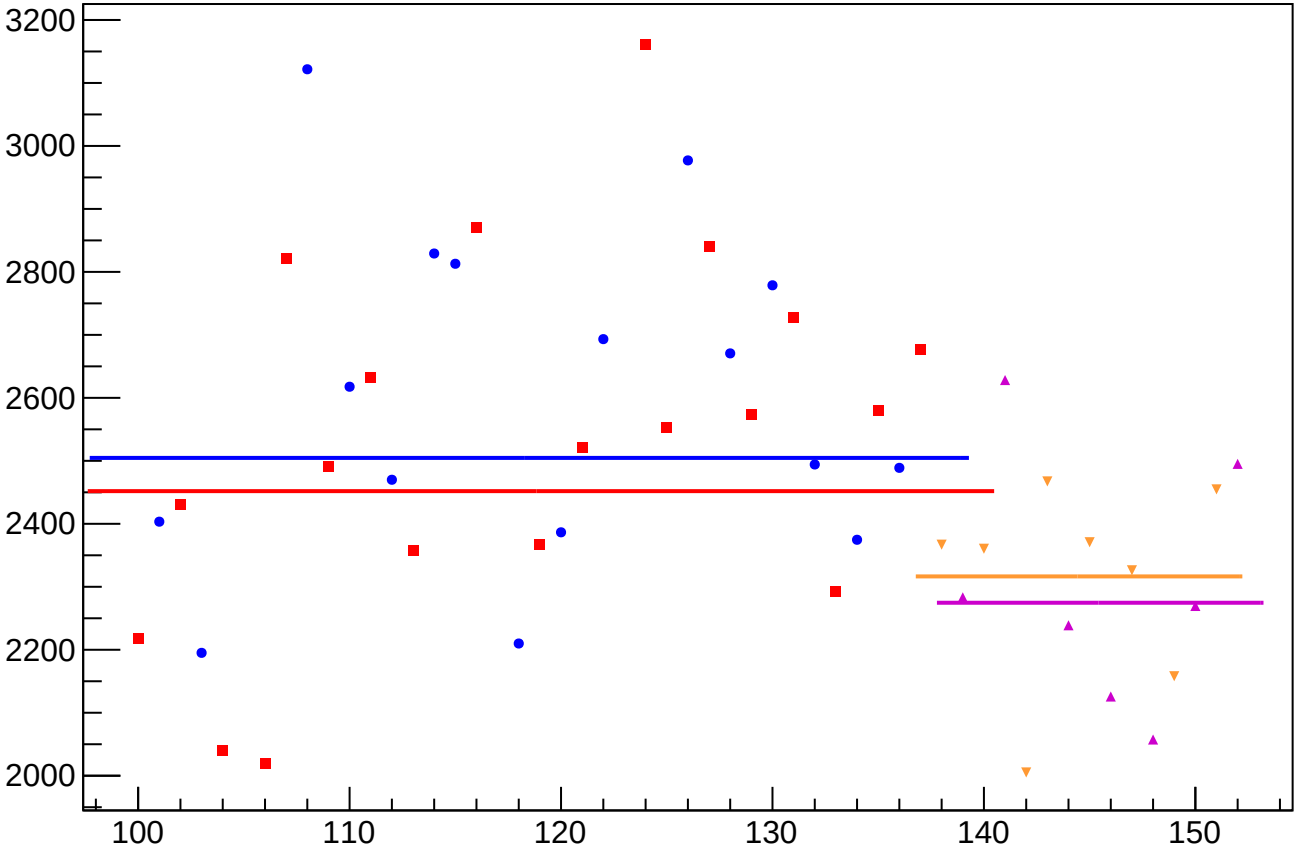
Left In: 14.431+/-0.929 χ^2/NDF:139.9/6

+ sign 9.341+/-0.662 χ^2/NDF: 1332.1/23

All: 1.983+/-0.463 χ^2/NDF: 3137.4/49

- sign -5.065+/-0.647 χ^2/NDF: 1563.0/25

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2316.476+/-0.661 χ^2/NDF:43640.1/7

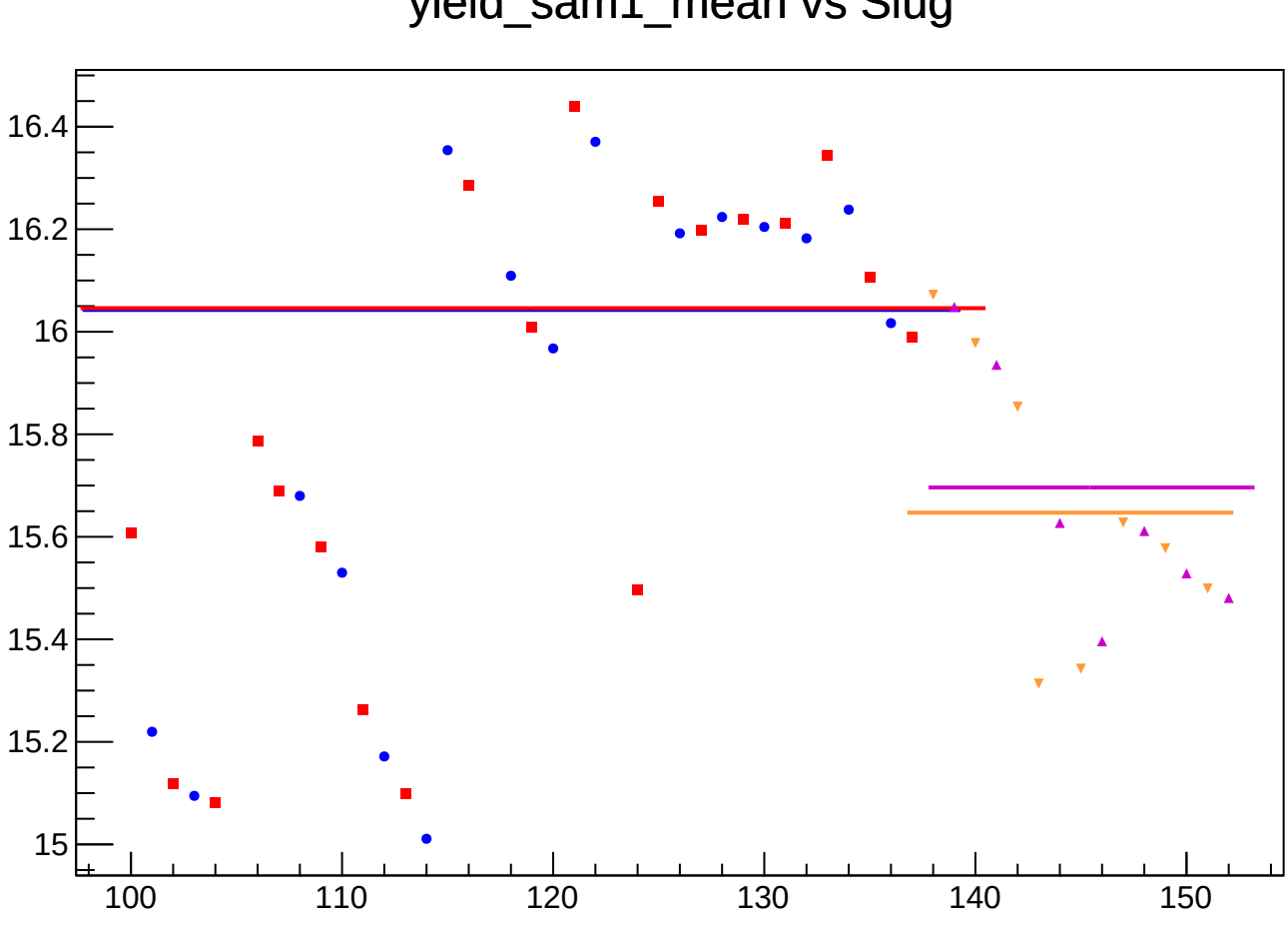
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2274.657+/-0.657 χ^2/NDF:71181.4/6

+ sign 2410.319+/-0.468 χ^2/NDF: 210698.0/23

All: 2387.608+/-0.327 χ^2/NDF: 477159.4/49

- sign 2365.850+/-0.458 χ^2/NDF: 261845.7/25



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.647+/-0.000 χ^2/NDF:4381803847.2/7

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

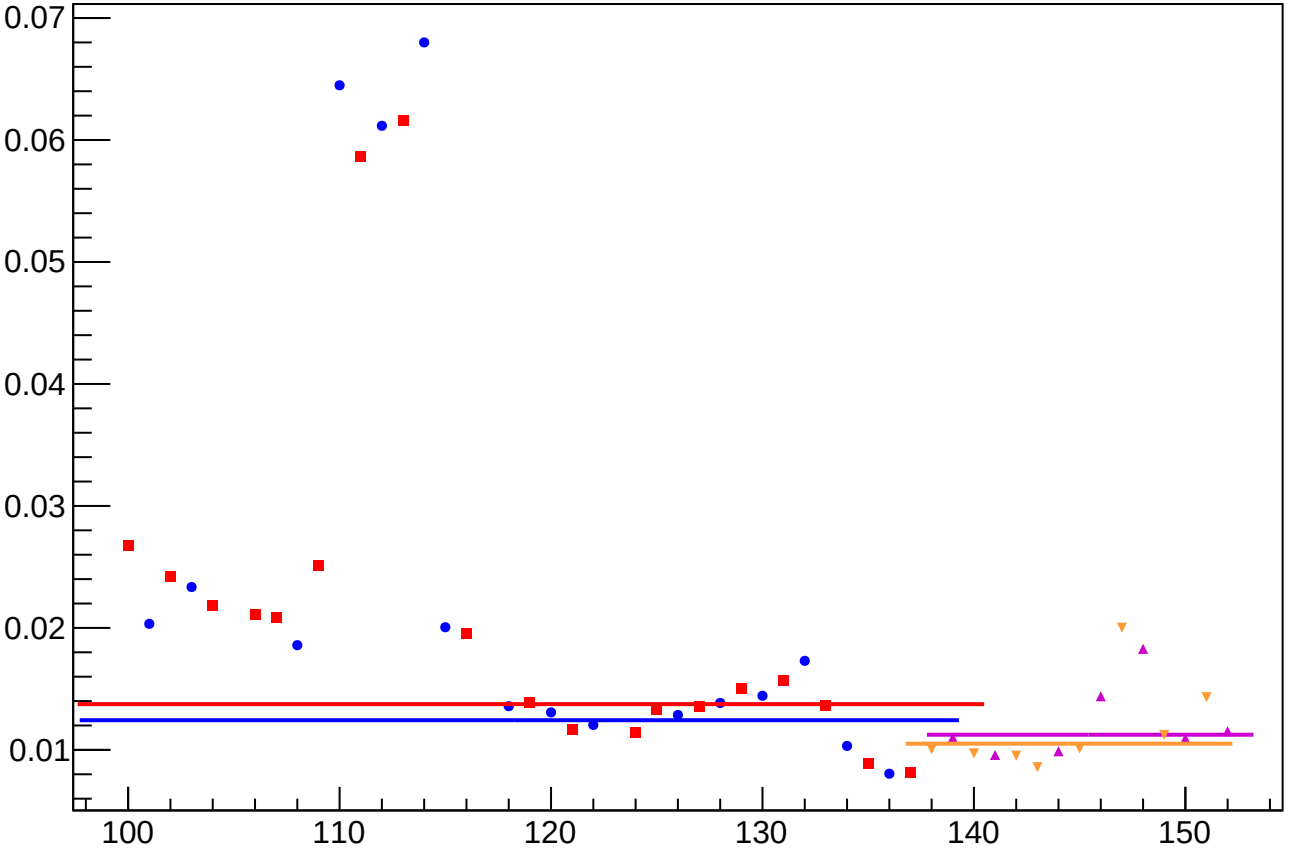
Left In: 15.696+/-0.000 χ^2/NDF:2244539241.3/6

+ sign 15.811+/-0.000 χ^2/NDF: 10484476985.0/23

All: 15.823+/-0.000 χ^2/NDF: 18498737496.1

- sign 15.838+/-0.000 χ^2/NDF: 7985119777.3/25

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:579026.6/7

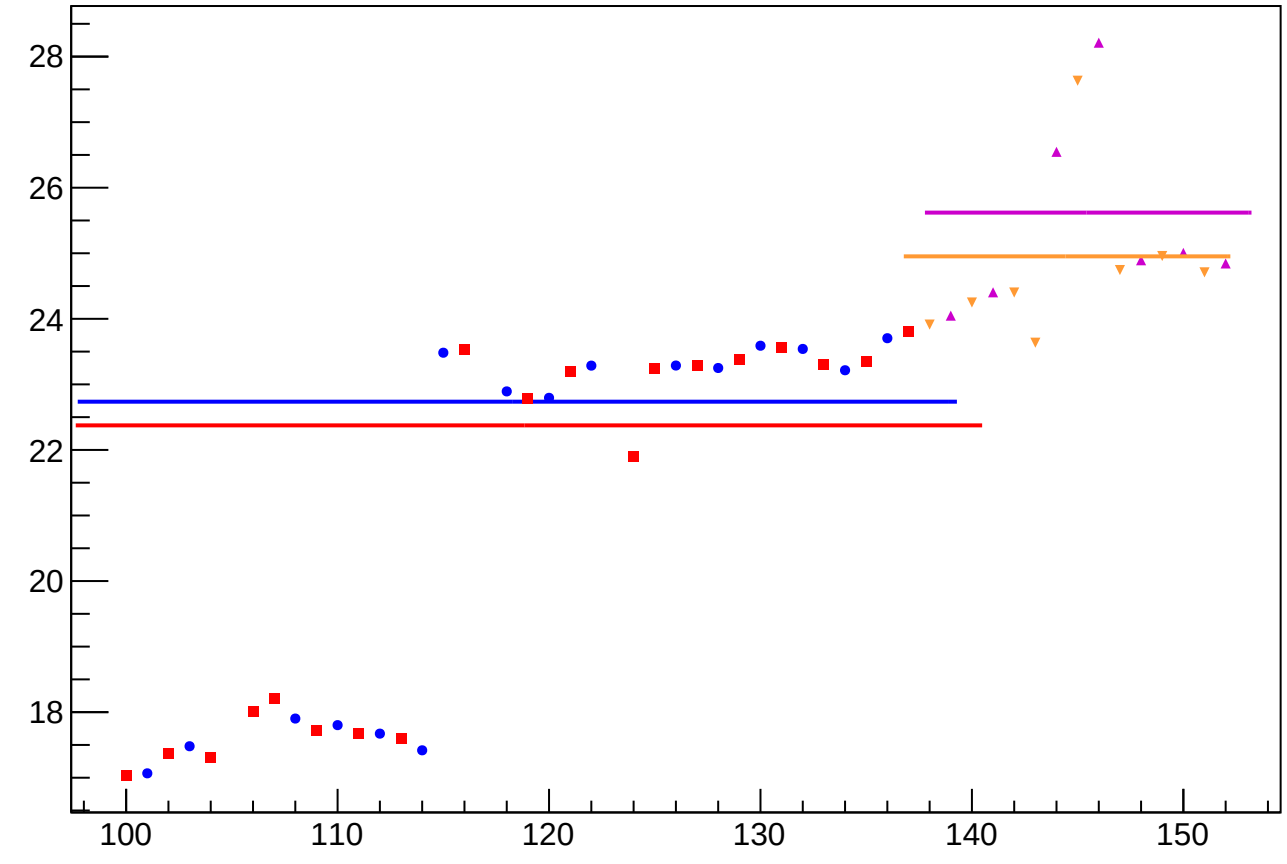
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:396487.1/6

+ sign 0.011+/-0.000 χ^2/NDF: 3050143.8/23

All: 0.012+/-0.000 χ^2/NDF: 5974495.2/49

- sign 0.012+/-0.000 χ^2/NDF: 2851874.9/25



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.953+/-0.000 χ^2/NDF:762642326.4/7

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

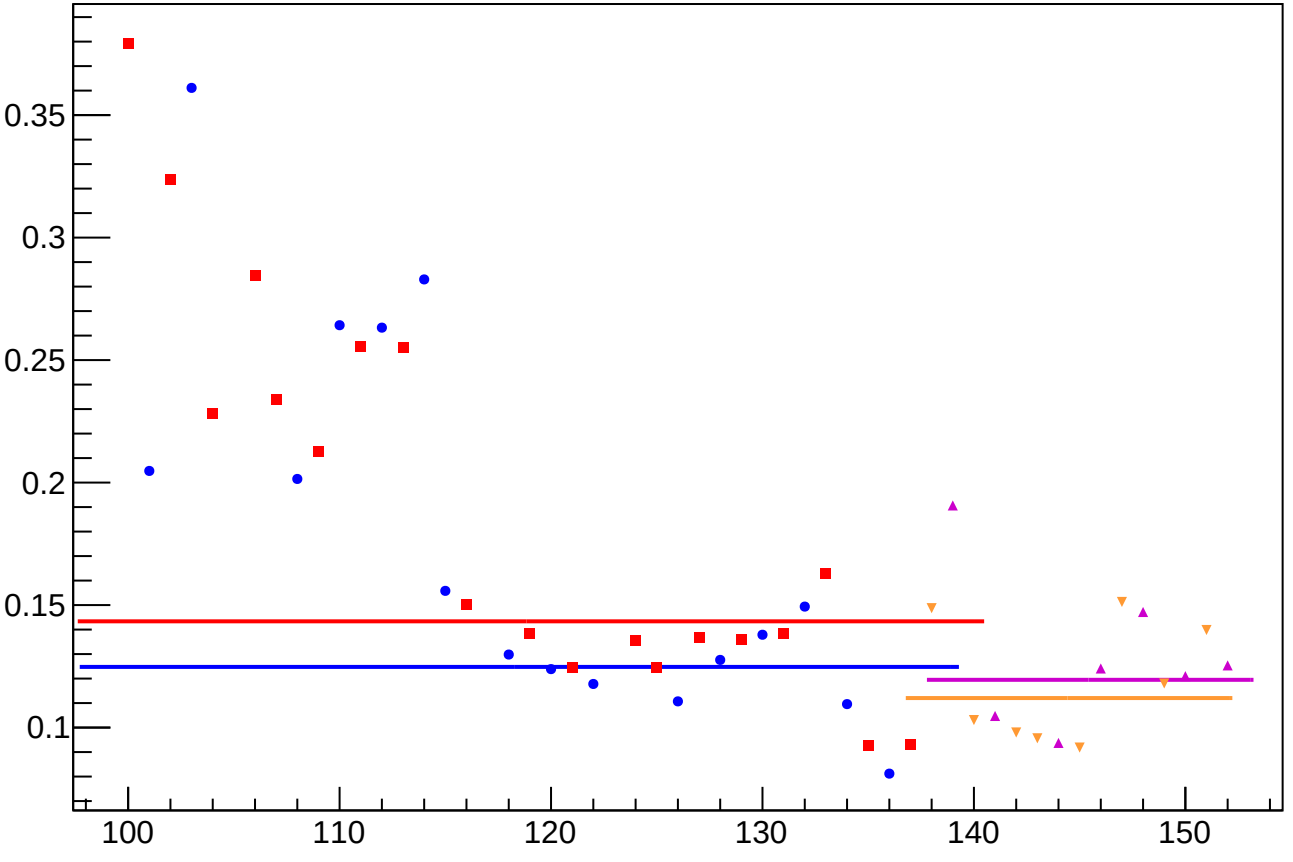
Left In: 25.620+/-0.000 χ^2/NDF:633041631.3/6

+ sign 23.935+/-0.000 χ^2/NDF: 2896612093.3/23

All: 24.058+/-0.000 χ^2/NDF: 6427626888.3/4

- sign 24.202+/-0.000 χ^2/NDF: 3506451987.7/25

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.112+/-0.000 χ^2/NDF:376773.8/7

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

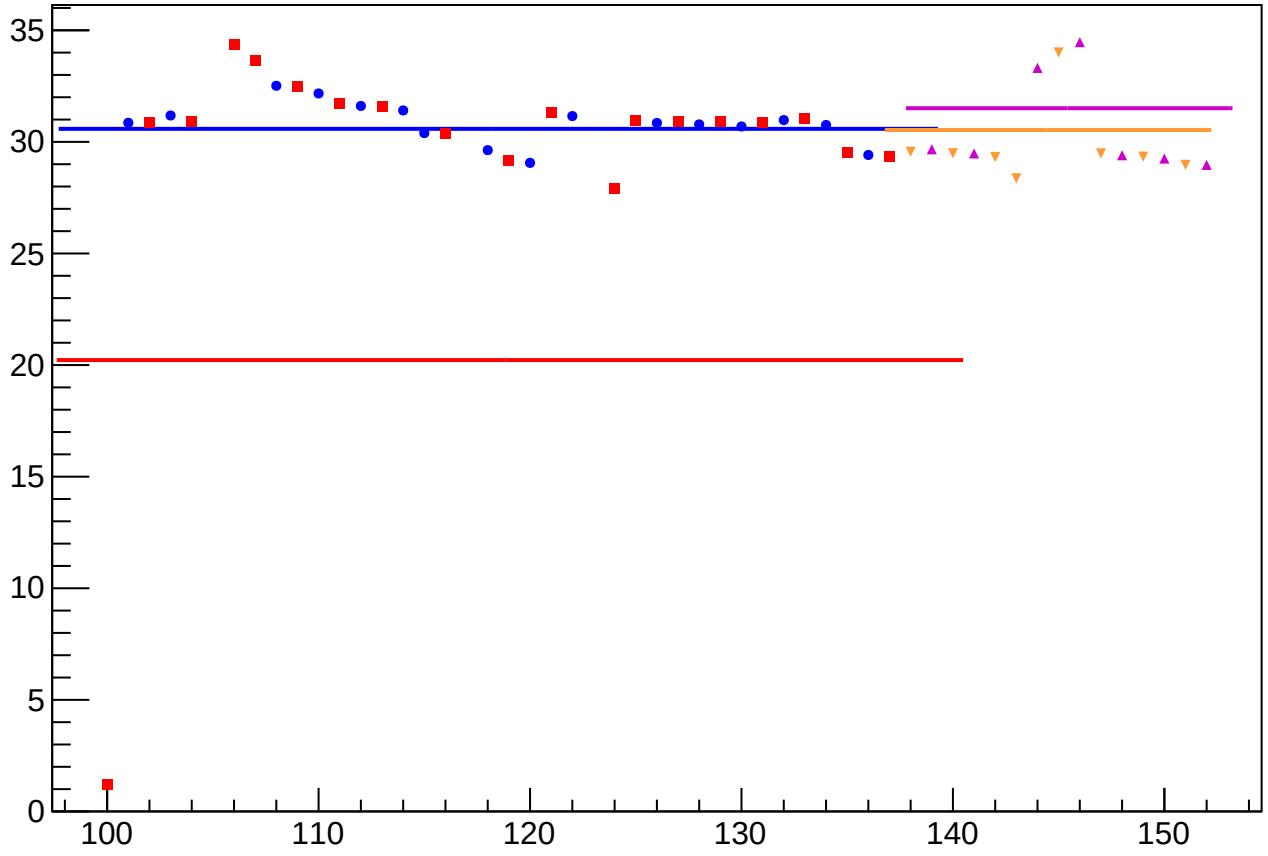
Left In: 0.119+/-0.000 χ^2/NDF:434466.4/6

+ sign 0.118+/-0.000 χ^2/NDF: 2186698.9/23

All: 0.123+/-0.000 χ^2/NDF: 4470738.1/49

- sign 0.130+/-0.000 χ^2/NDF: 2184026.4/25

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.533+/-0.000 χ^2/NDF:4830039441.8/7

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

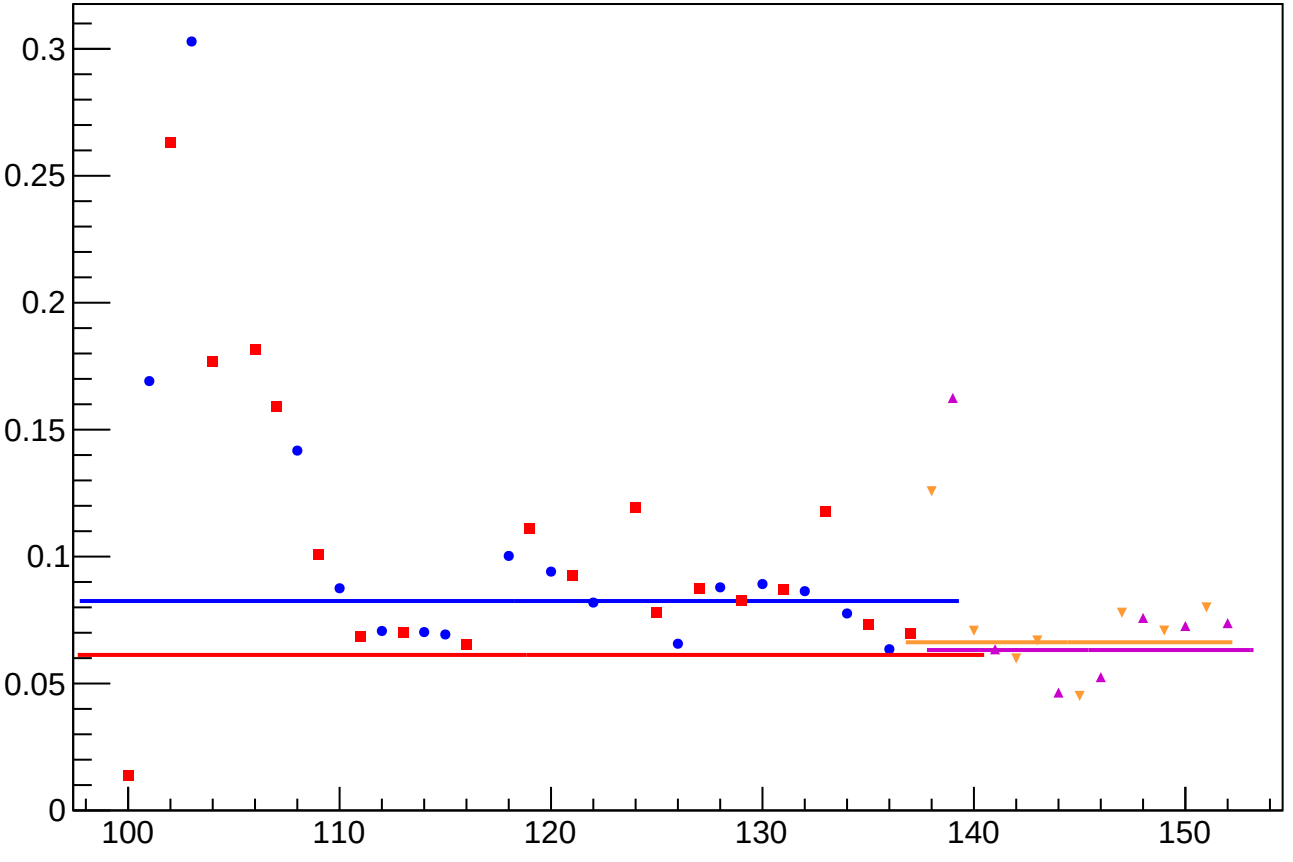
Left In: 31.507+/-0.000 χ^2/NDF:5748692137.0/6

+ sign 30.555+/-0.000 χ^2/NDF: 5483469852.0/23

All: 27.957+/-0.000 χ^2/NDF: 323064354609.

- sign 25.832+/-0.000 χ^2/NDF: 295866566975.5/25

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.066+/-0.000 χ^2/NDF:629617.0/7

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

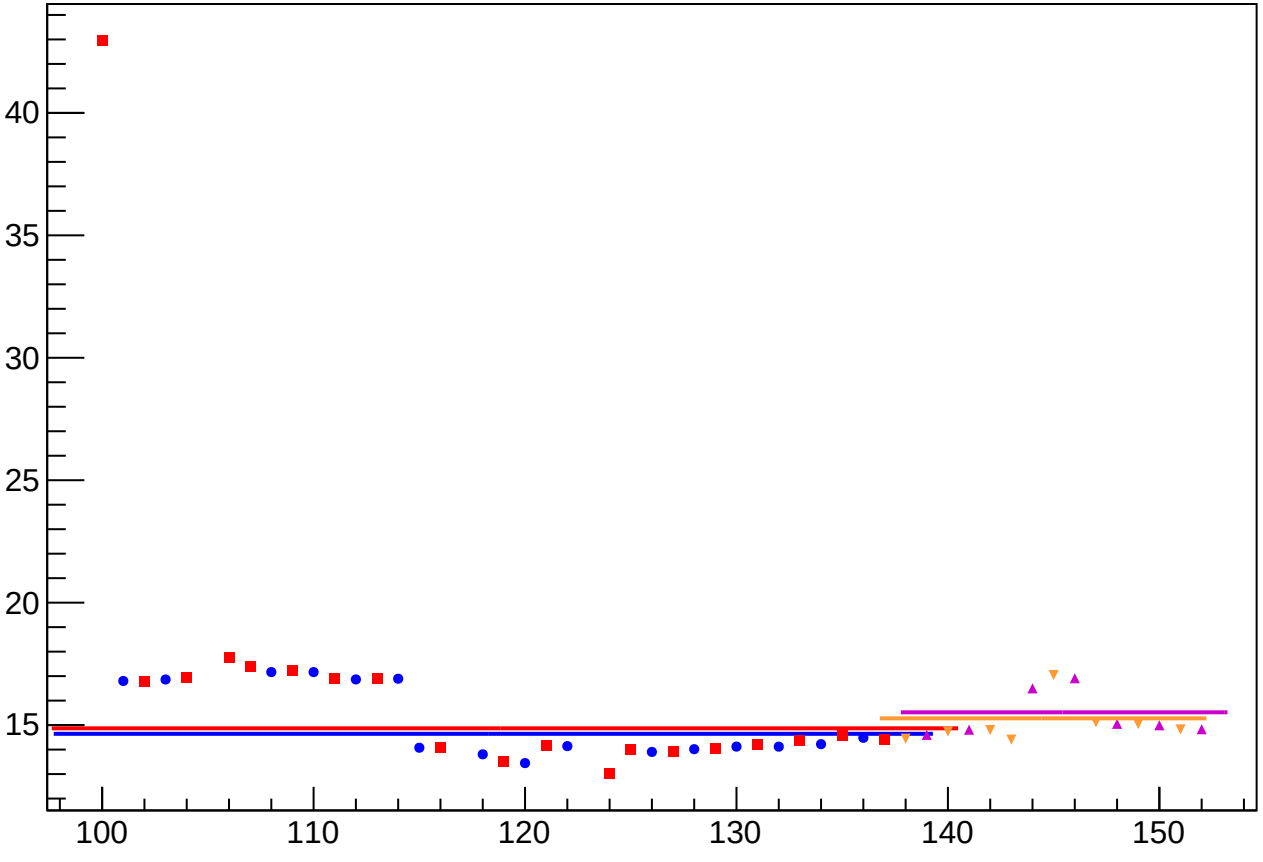
Left In: 0.063+/-0.000 χ^2/NDF:921522.9/6

+ sign 0.073+/-0.000 χ^2/NDF: 2120949.9/23

All: 0.067+/-0.000 χ^2/NDF: 7302148.1/49

- sign 0.062+/-0.000 χ^2/NDF: 4939857.2/25

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.276+/-0.000 χ^2/NDF:943776557.2/7

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

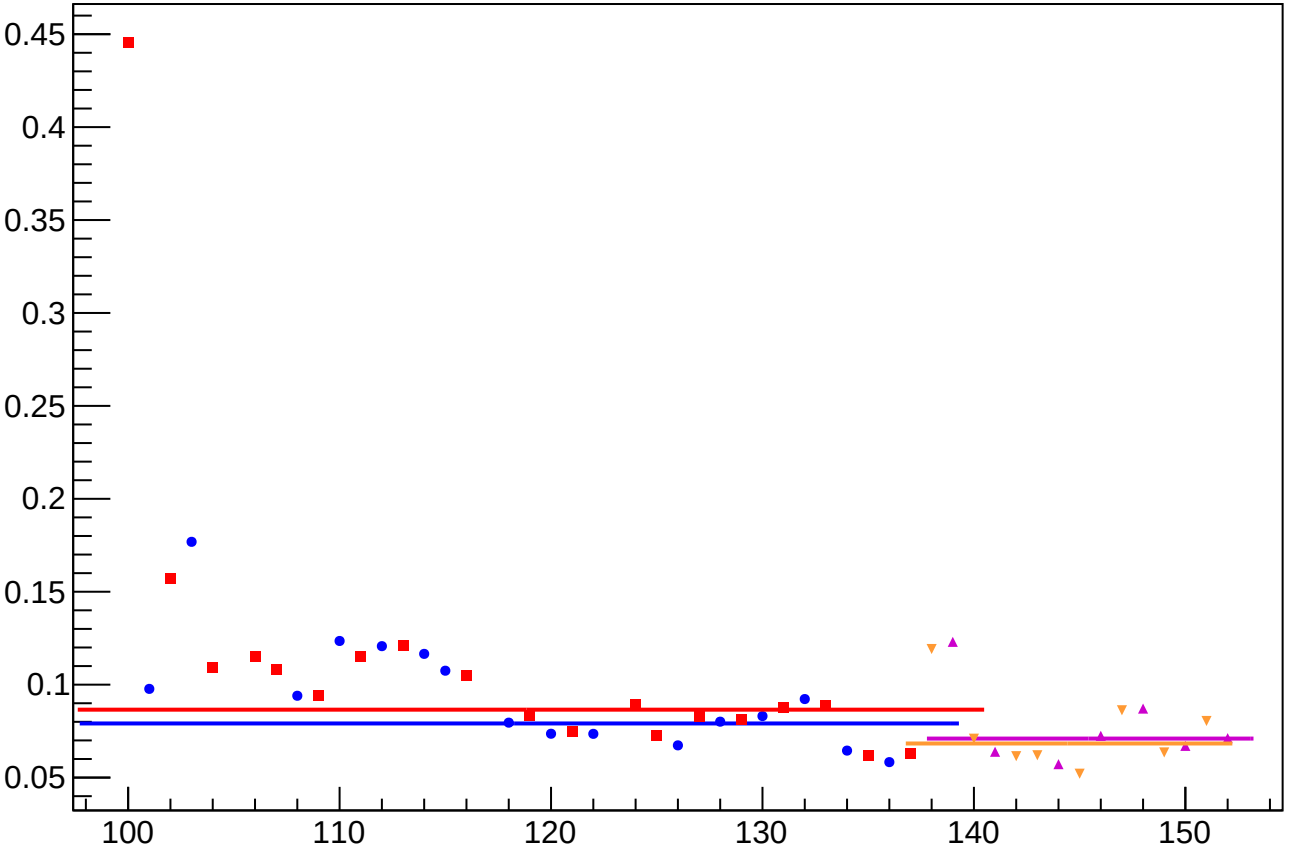
Left In: 15.522+/-0.000 χ^2/NDF:747752695.6/6

+ sign 14.976+/-0.000 χ^2/NDF: 2334174399.3/23

All: 15.096+/-0.000 χ^2/NDF: 5062924096.9/4

- sign 15.226+/-0.000 χ^2/NDF: 2669715032.5/25

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:508538.9/7

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

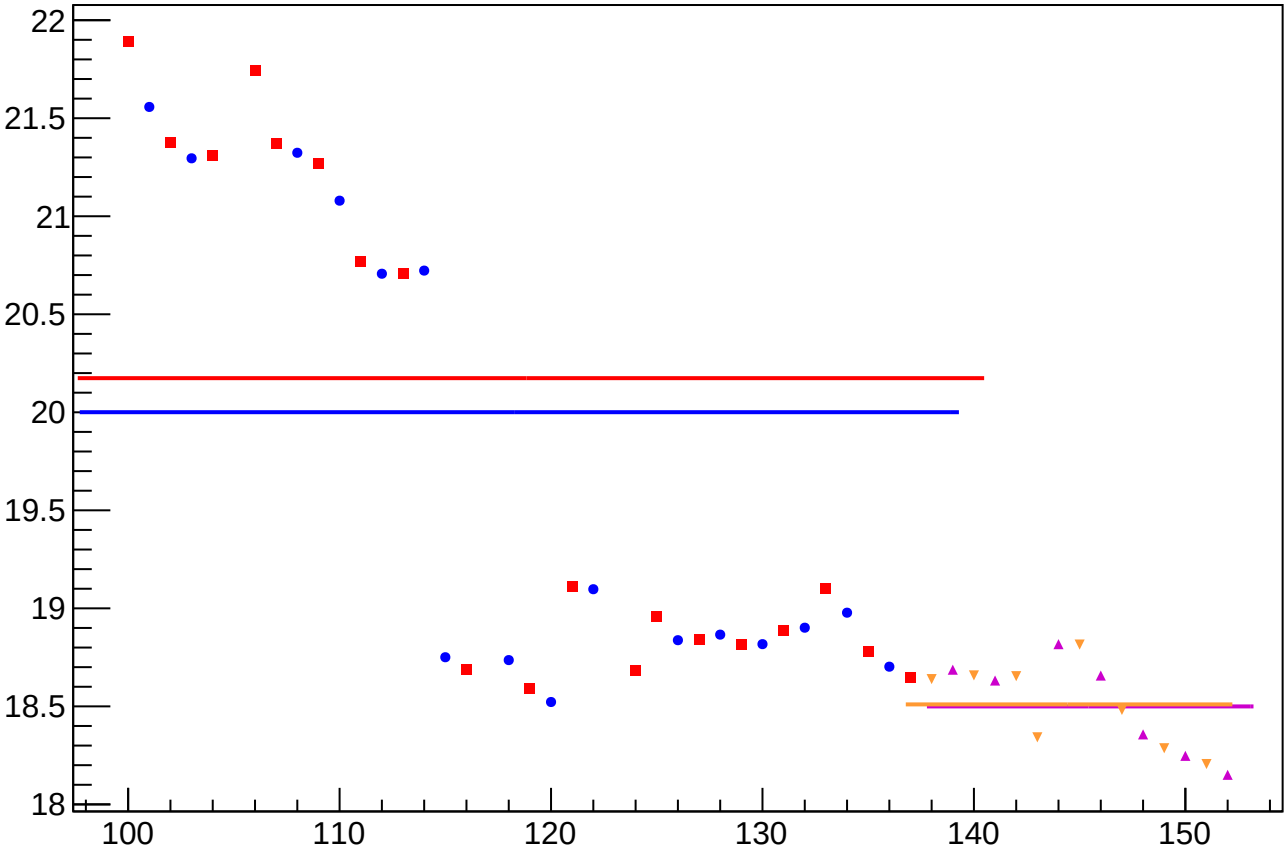
Left In: 0.071+/-0.000 χ^2/NDF:446493.6/6

+ sign 0.073+/-0.000 χ^2/NDF: 1541402.2/23

All: 0.076+/-0.000 χ^2/NDF: 3038083.6/49

- sign 0.078+/-0.000 χ^2/NDF: 1457112.4/25

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.510+/-0.000 χ^2/NDF:242221796.5/7

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

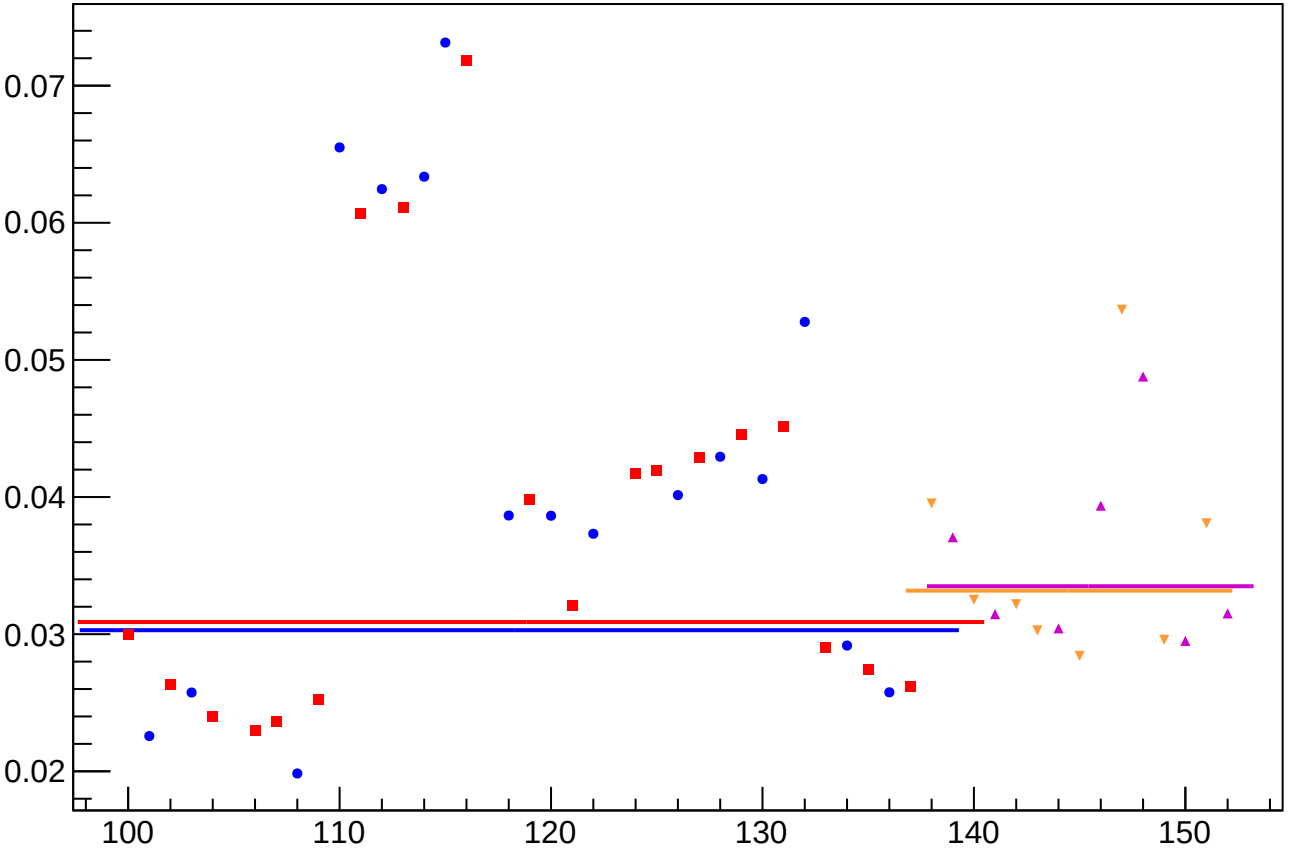
Left In: 18.500+/-0.000 χ^2/NDF:315311333.9/6

+ sign 19.340+/-0.000 χ^2/NDF: 17523844255.4/23

All: 19.390+/-0.000 χ^2/NDF: 36325690833.6

- sign 19.441+/-0.000 χ^2/NDF: 18741590373.2/25

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.033+/-0.000 χ^2/NDF:381020.9/7

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

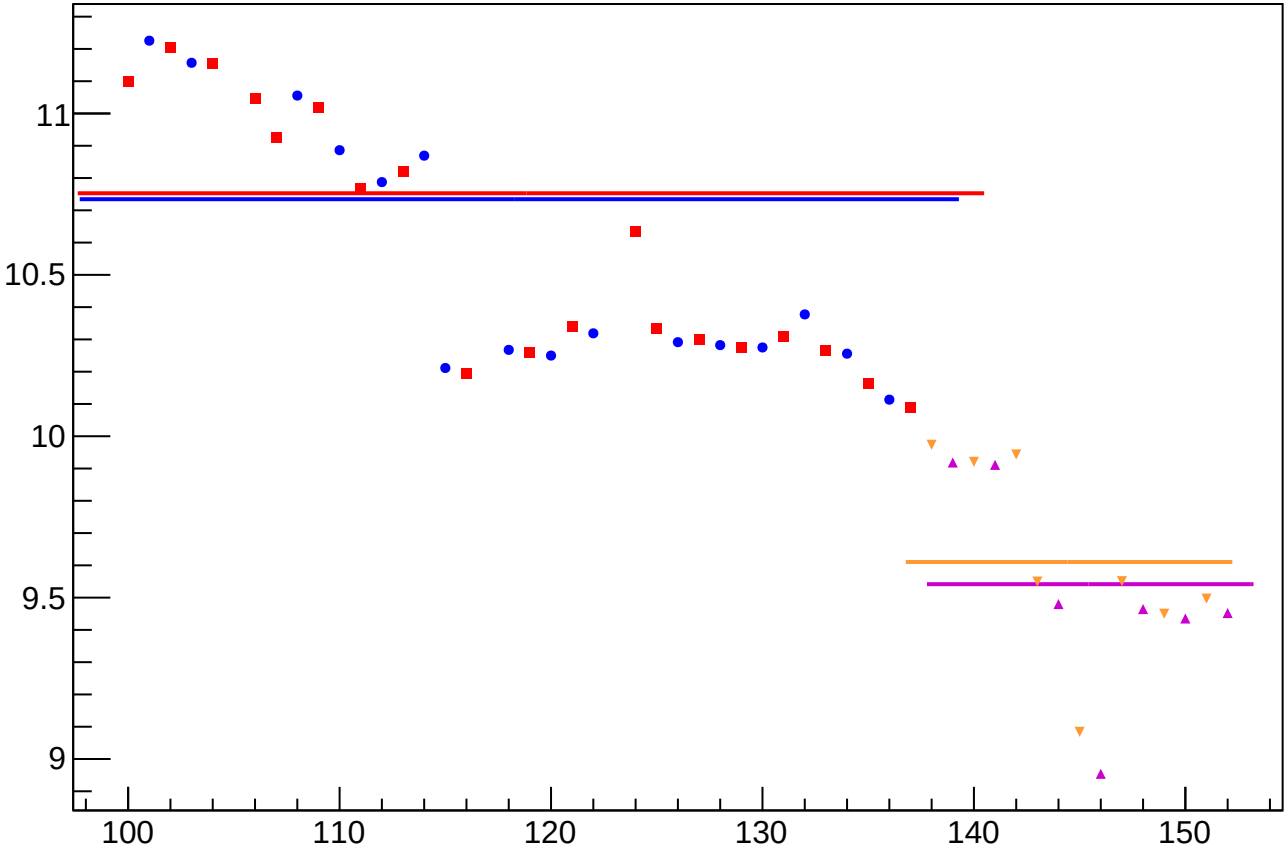
Left In: 0.033+/-0.000 χ^2/NDF:269551.2/6

+ sign 0.032+/-0.000 χ^2/NDF: 1876404.0/23

All: 0.032+/-0.000 χ^2/NDF: 3392014.1/49

- sign 0.032+/-0.000 χ^2/NDF: 1513159.0/25

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.610+/-0.000 χ^2/NDF:1157118018.8/7

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

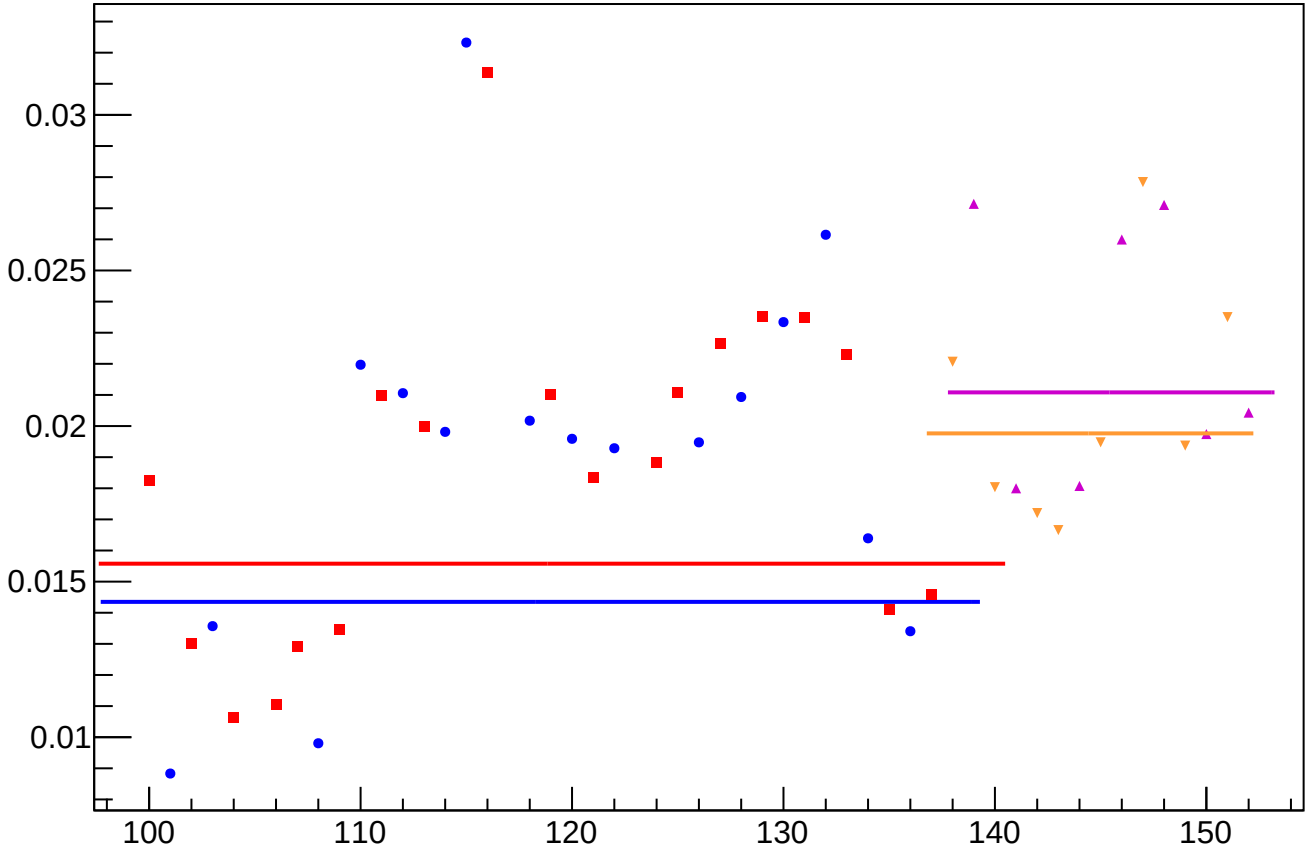
Left In: 9.542+/-0.000 χ^2/NDF:966277770.3/6

+ sign 10.355+/-0.000 χ^2/NDF: 18809841997.7/23

All: 10.356+/-0.000 χ^2/NDF: 36328905522.4

- sign 10.358+/-0.000 χ^2/NDF: 17518928725.4/25

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:271571.1/7

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

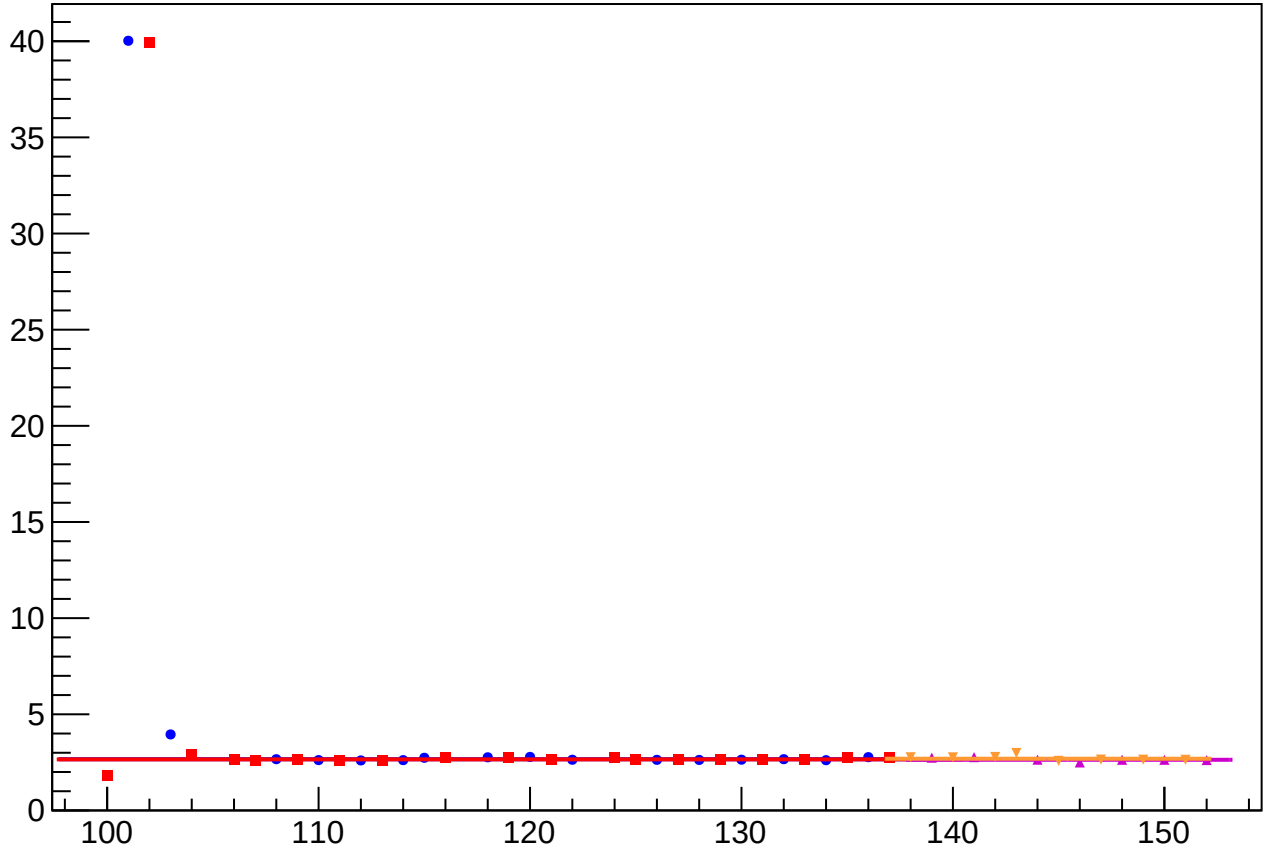
Left In: 0.021+/-0.000 χ^2/NDF:319159.6/6

+ sign 0.016+/-0.000 χ^2/NDF: 2299815.4/23

All: 0.017+/-0.000 χ^2/NDF: 4252189.8/49

- sign 0.017+/-0.000 χ^2/NDF: 1895612.9/25

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.690+/-0.000 χ^2/NDF:15023544235.5/7

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

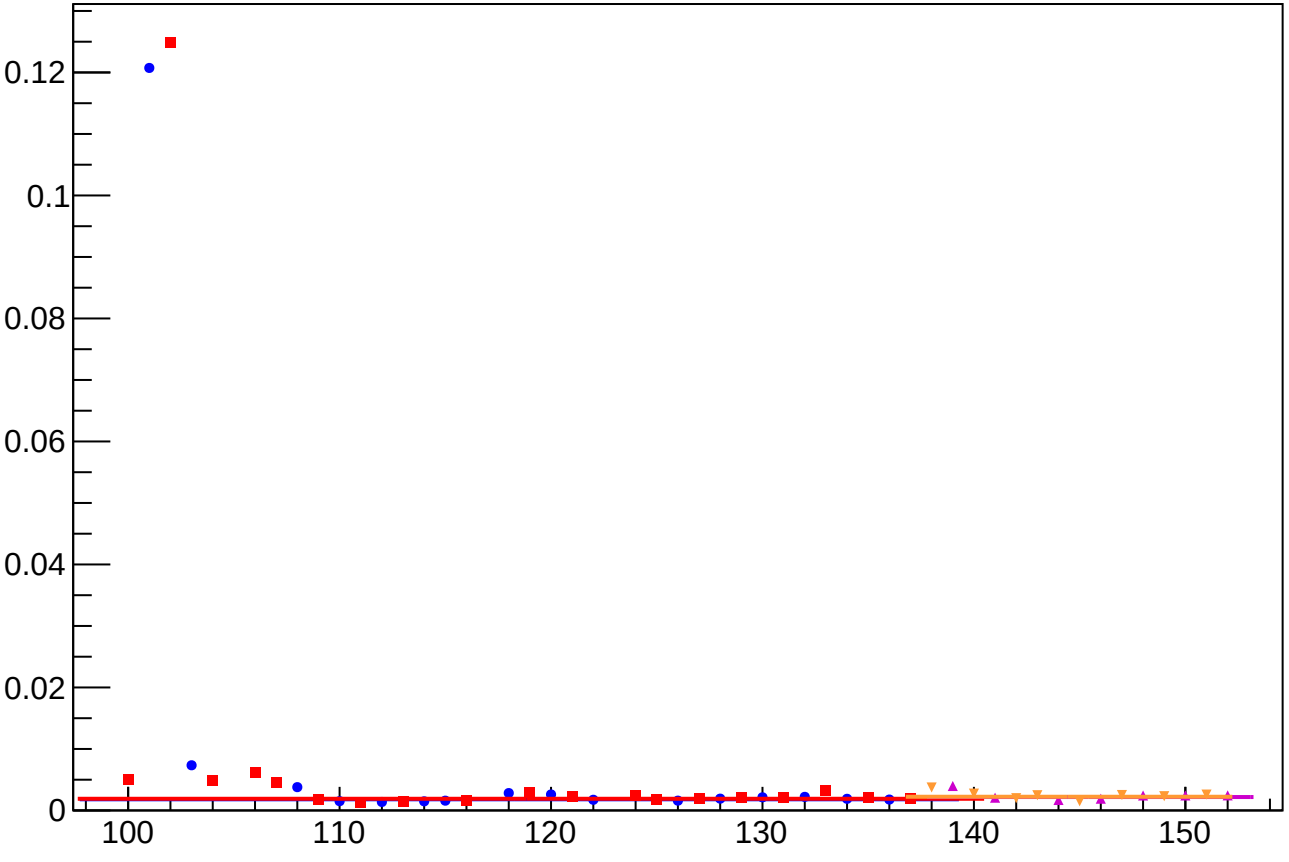
Left In: 2.635+/-0.000 χ^2/NDF:7349275156.1/6

+ sign 2.674+/-0.000 χ^2/NDF: 83269432857.0/23

All: 2.661+/-0.000 χ^2/NDF: 156808565008.9

- sign 2.648+/-0.000 χ^2/NDF: 72674994657.2/25

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:647486.4/7

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

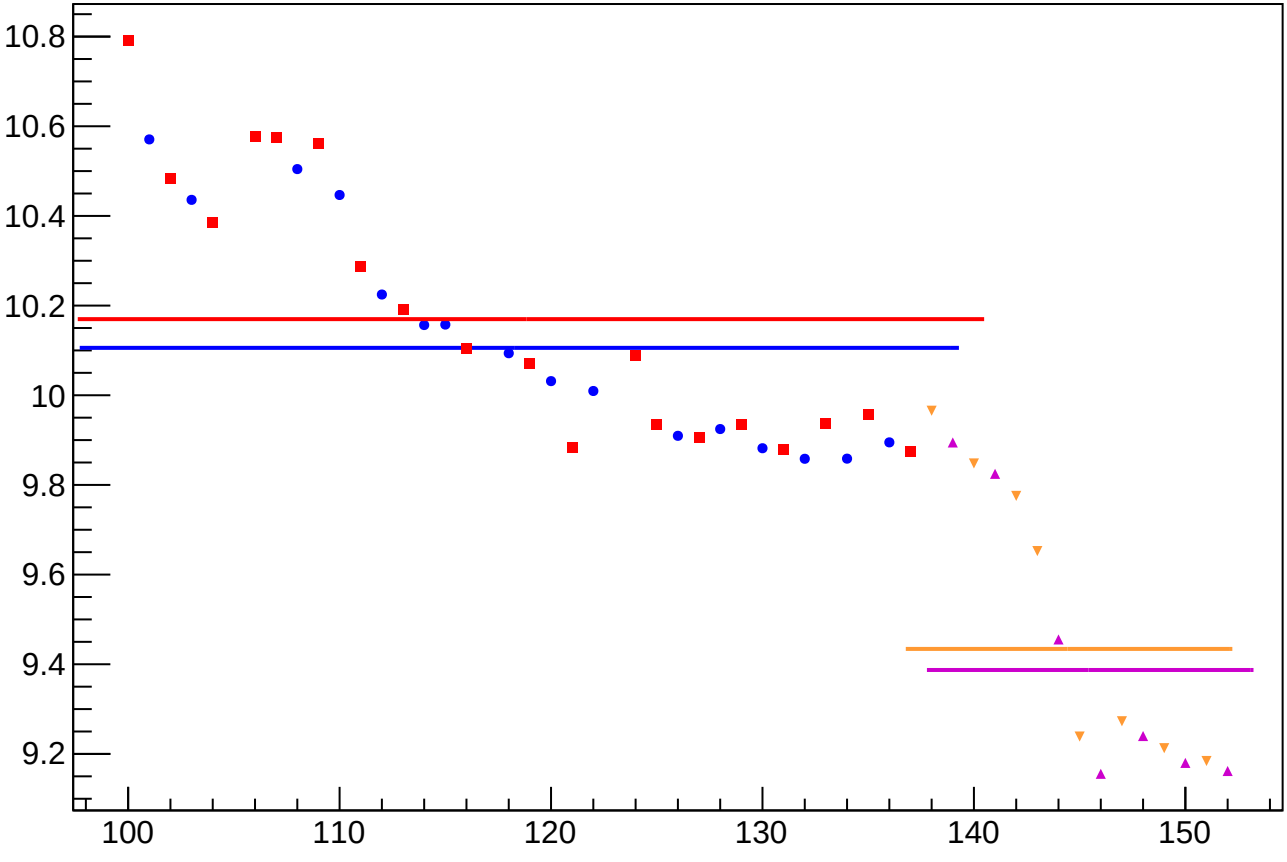
Left In: 0.002+/-0.000 χ^2/NDF:517823.0/6

+ sign 0.002+/-0.000 χ^2/NDF: 2667663.3/23

All: 0.002+/-0.000 χ^2/NDF: 5808891.3/49

- sign 0.002+/-0.000 χ^2/NDF: 3137684.3/25

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.434+/-0.000 χ^2/NDF:8348054839.3/7

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

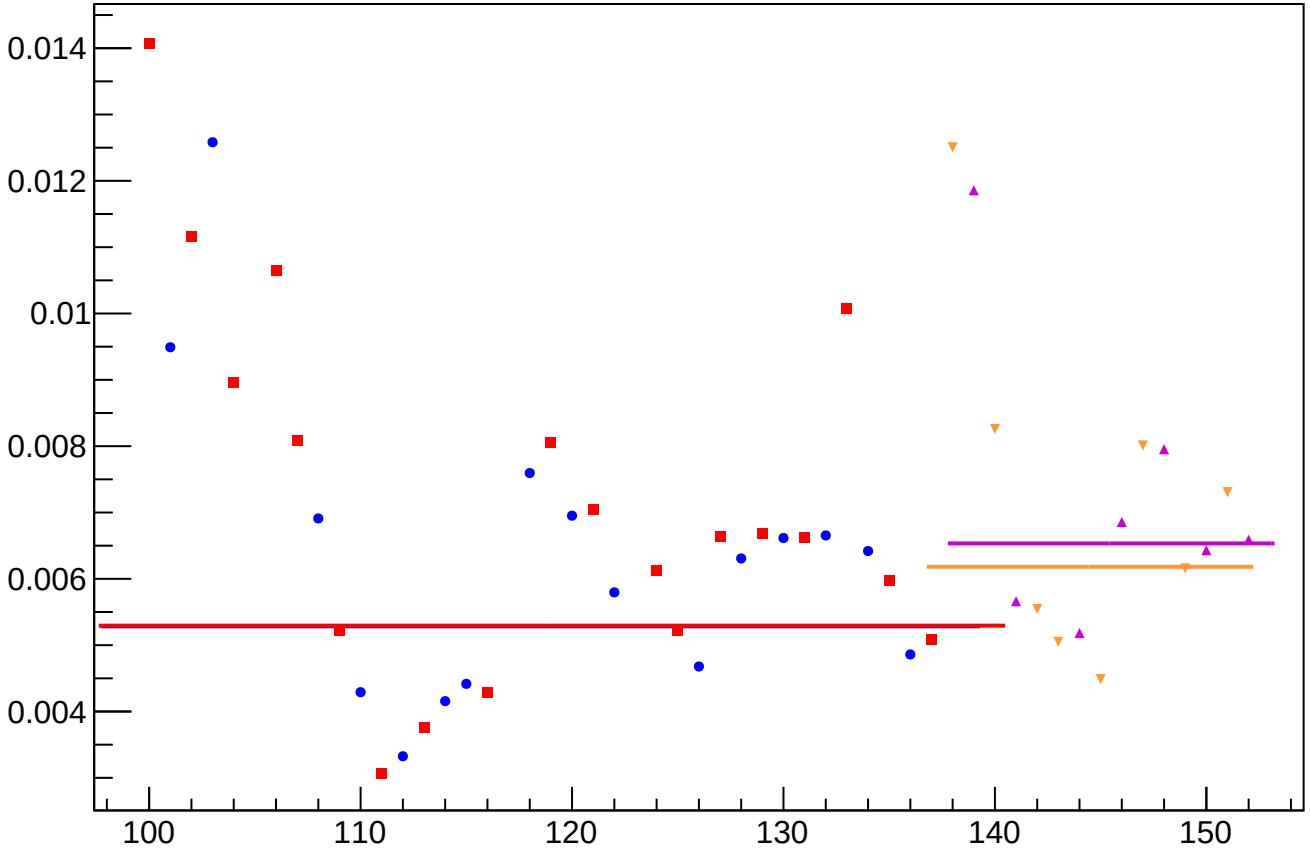
Left In: 9.387+/-0.000 χ^2/NDF:7992151814.0/6

+ sign 9.848+/-0.000 χ^2/NDF: 50996607078.8/23

All: 9.867+/-0.000 χ^2/NDF: 112109067174.4

- sign 9.886+/-0.000 χ^2/NDF: 60886495110.2/25

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:779988.6/7

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

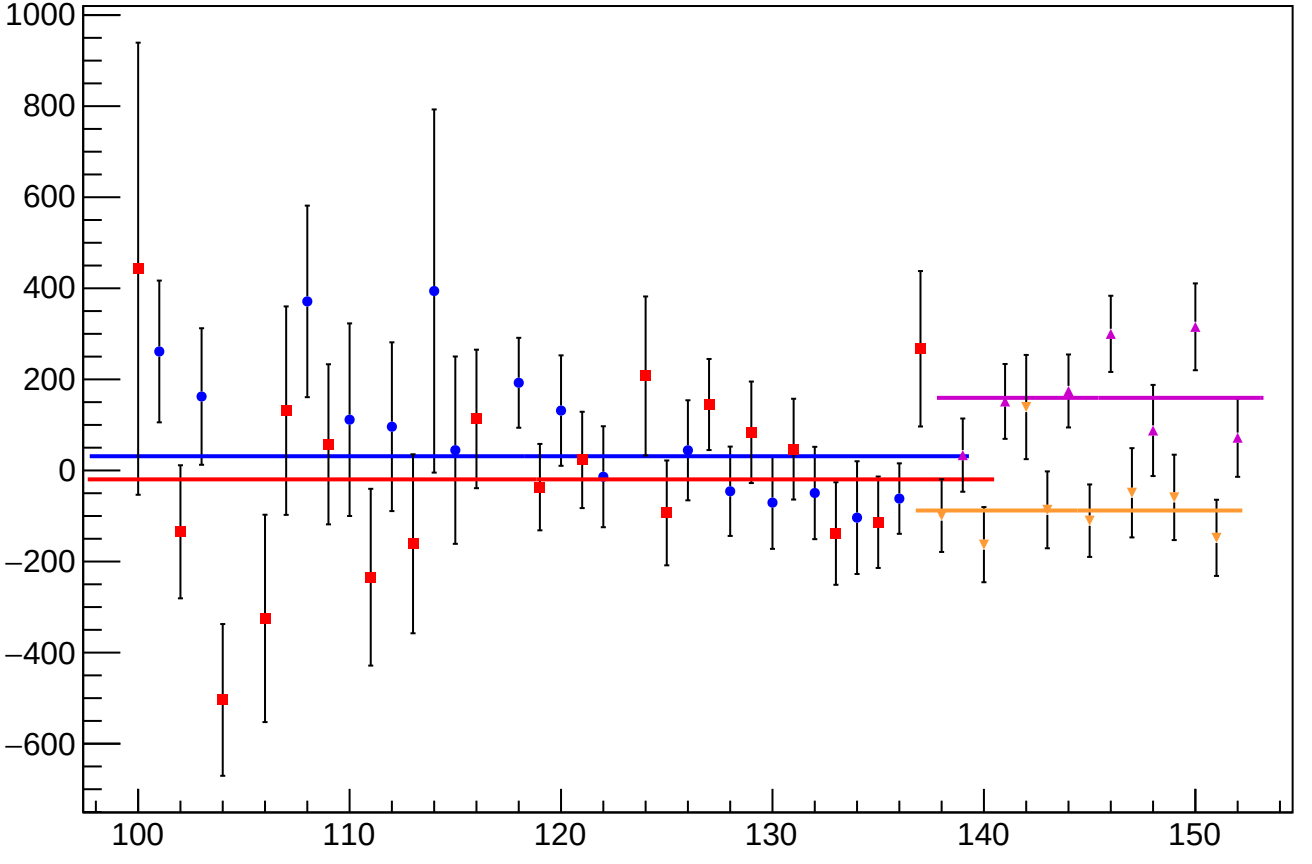
Left In: 0.007+/-0.000 χ^2/NDF:486010.0/6

+ sign 0.006+/-0.000 χ^2/NDF: 2173737.7/23

All: 0.006+/-0.000 χ^2/NDF: 4675694.5/49

- sign 0.006+/-0.000 χ^2/NDF: 2497856.6/25

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -87.921+/-31.026 χ^2/NDF:5.6/7

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

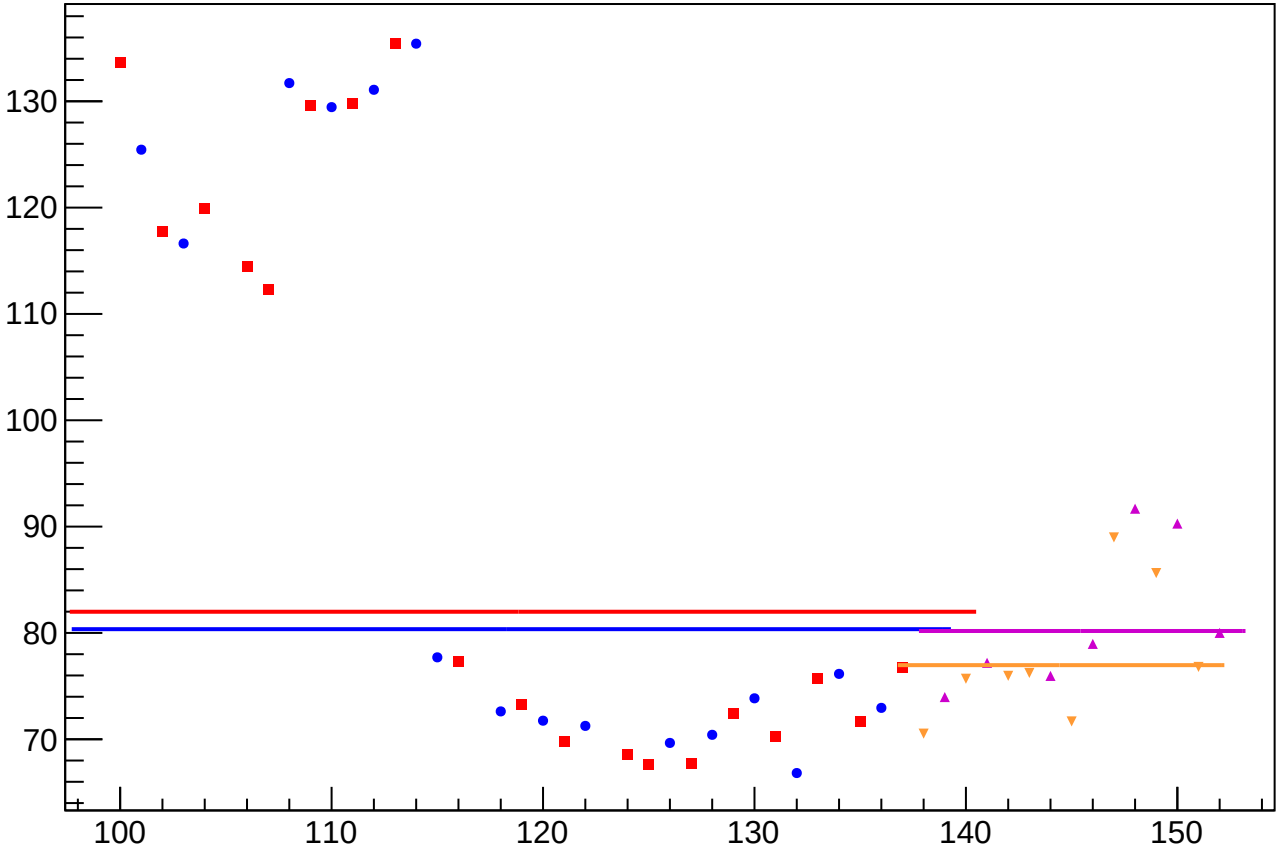
Left In: 159.449+/-32.505 χ^2/NDF:9.5/6

\+ sign -27.874+/-21.853 χ^2/NDF: 28.1/23

All: 17.721+/-15.661 χ^2/NDF: 88.4/49

\- sign 65.866+/-22.456 χ^2/NDF: 51.3/25

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 76.970+/-0.022 χ^2/NDF:69766.6/7

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

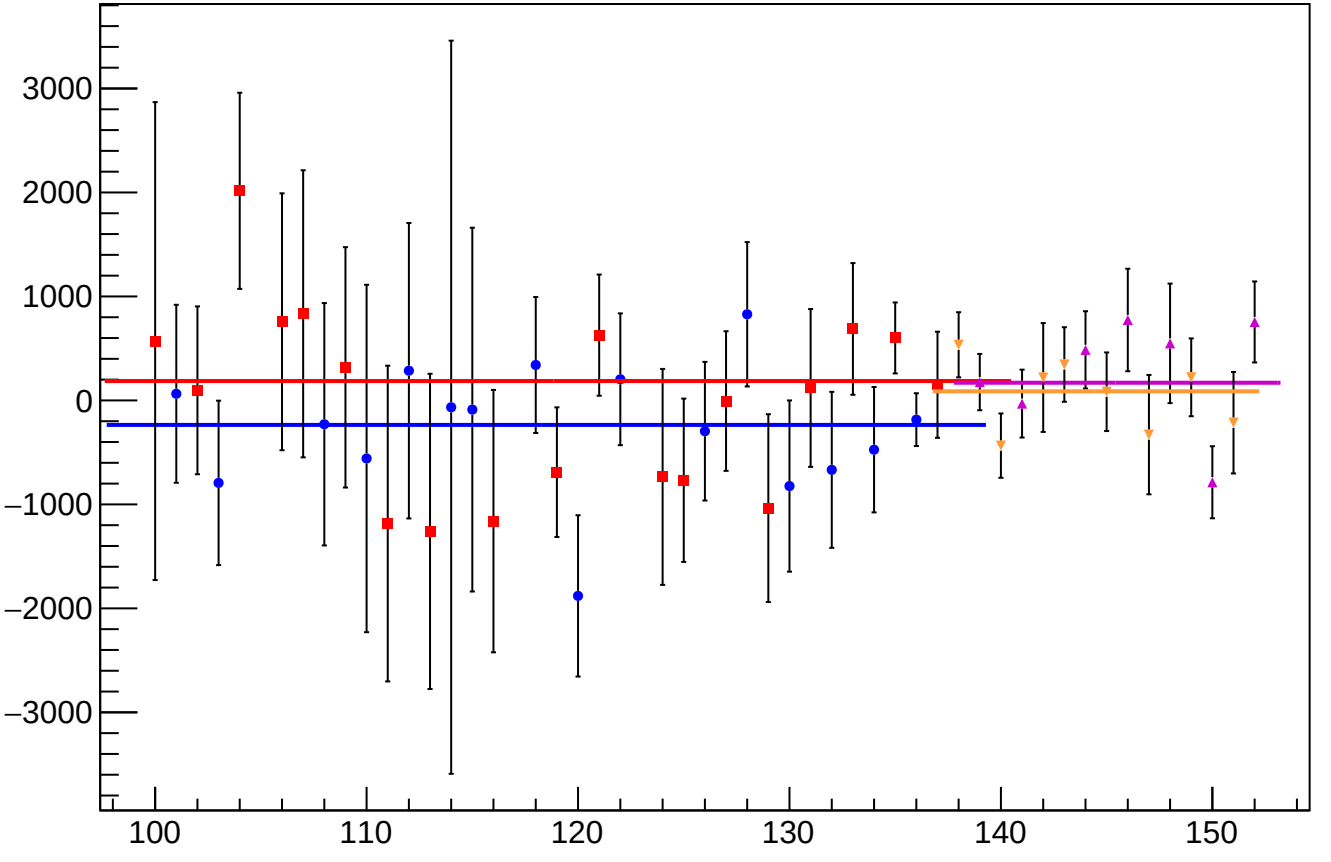
Left In: 80.183+/-0.023 χ^2/NDF:69435.9/6

+ sign 78.675+/-0.015 χ^2/NDF: 921793.2/23

All: 79.869+/-0.011 χ^2/NDF: 1939074.9/49

- sign 81.129+/-0.016 χ^2/NDF: 1005015.3/25

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.527+/-136.797 χ^2/NDF:6.5/7

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

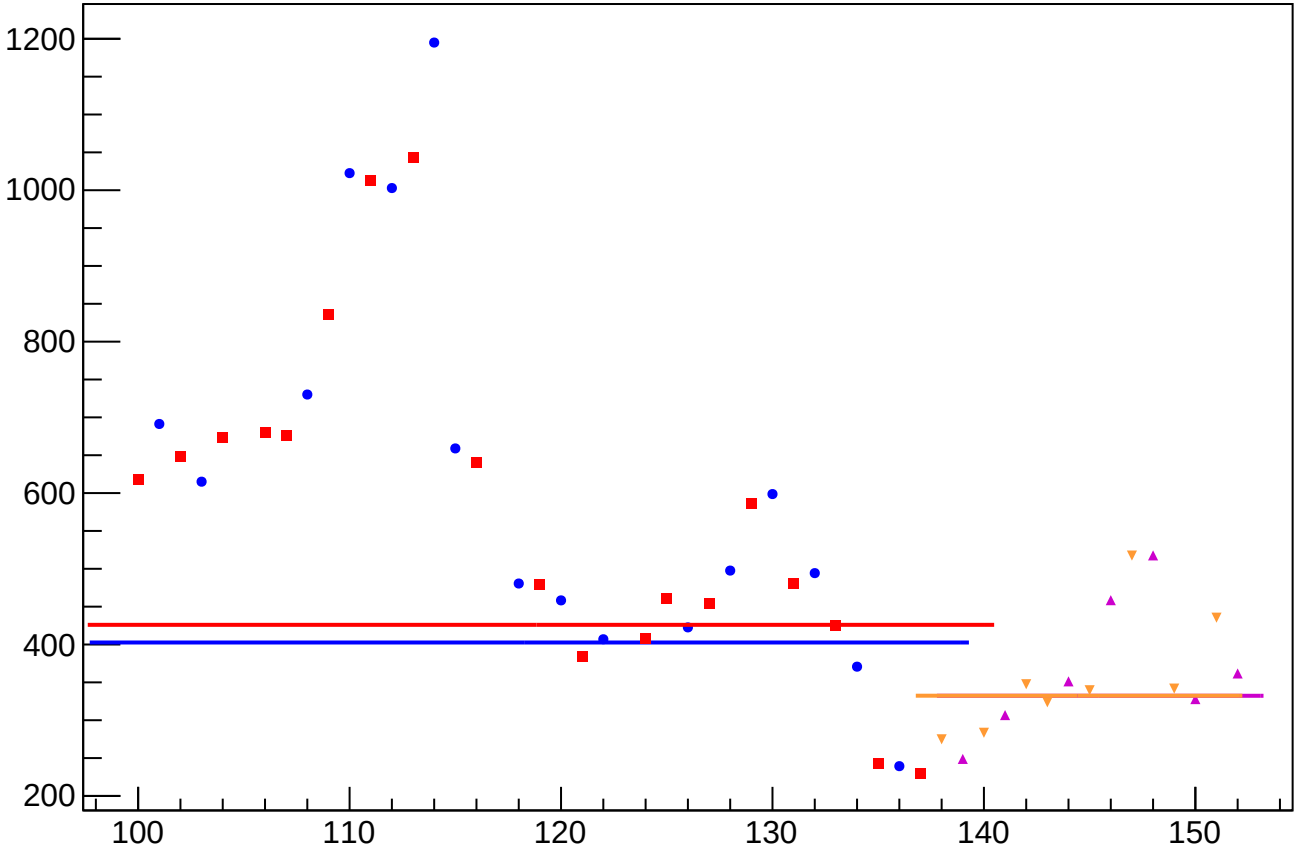
Left In: 170.090+/-138.238 χ^2/NDF:12.9/6

+ sign -45.243+/-104.987 χ^2/NDF: 18.8/23

All: 63.233+/-75.059 χ^2/NDF: 49.8/49

- sign 176.651+/-107.352 χ^2/NDF: 28.9/25

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 332.384+/-0.097 χ^2/NDF:419523.3/7

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

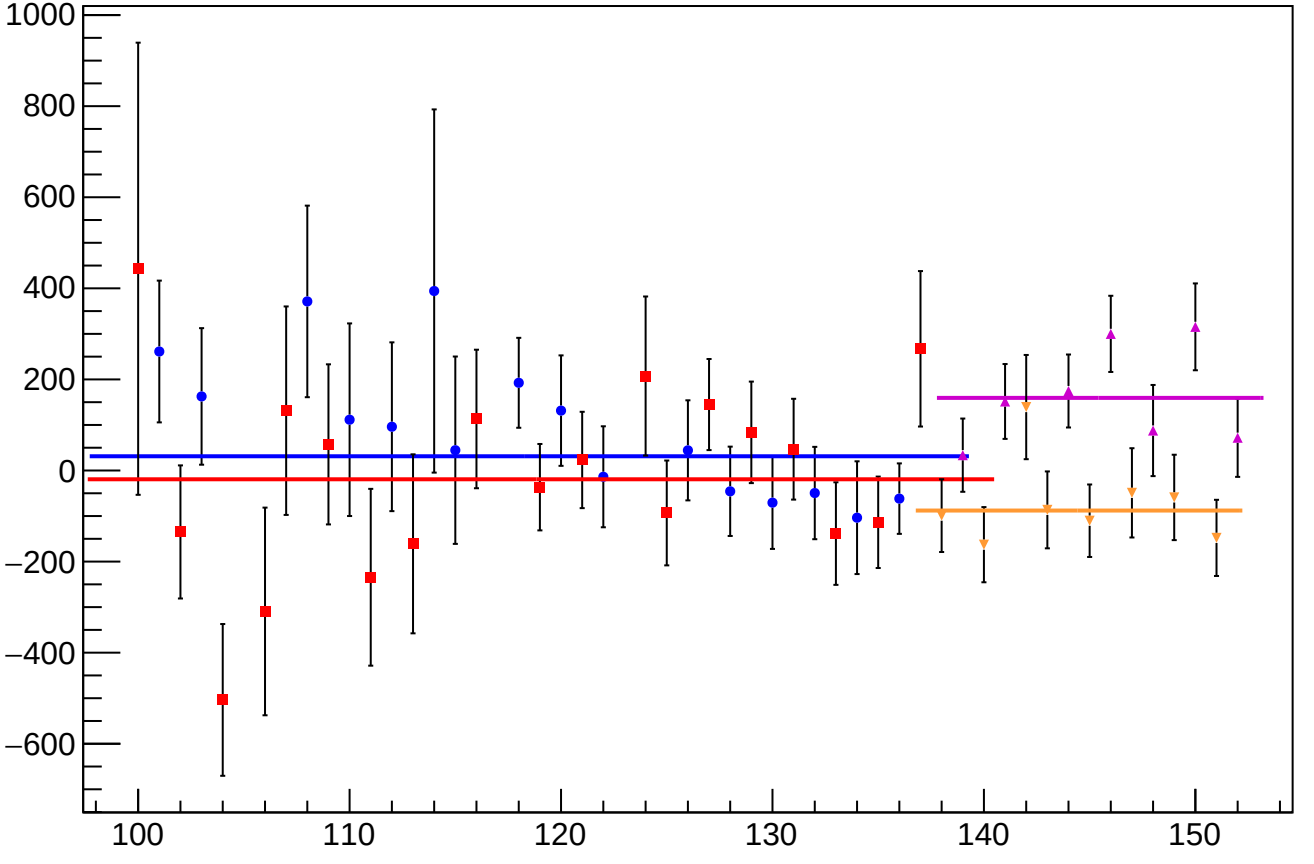
Left In: 332.285+/-0.098 χ^2/NDF:558197.5/6

+ sign 361.266+/-0.074 χ^2/NDF: 2996536.3/23

All: 365.279+/-0.053 χ^2/NDF: 6294193.8/49

- sign 369.475+/-0.076 χ^2/NDF: 3291679.3/25

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -87.922+/-31.026 χ^2/NDF:5.6/7

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

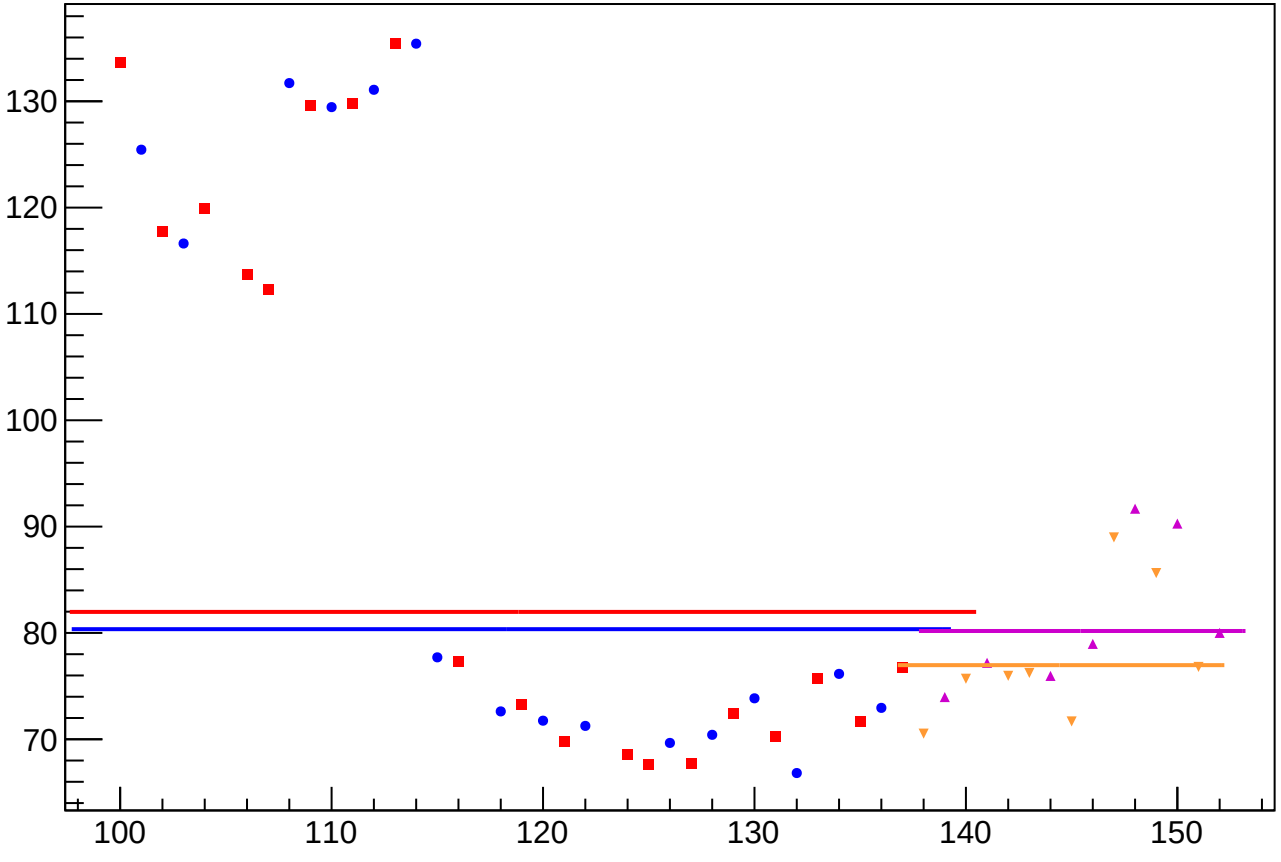
Left In: 159.450+/-32.505 χ^2/NDF:9.5/6

+ sign -27.869+/-21.853 χ^2/NDF: 28.2/23

All: 17.799+/-15.661 χ^2/NDF: 88.2/49

- sign 66.021+/-22.456 χ^2/NDF: 51.1/25

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 76.970+/-0.022 χ^2/NDF:69766.6/7

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

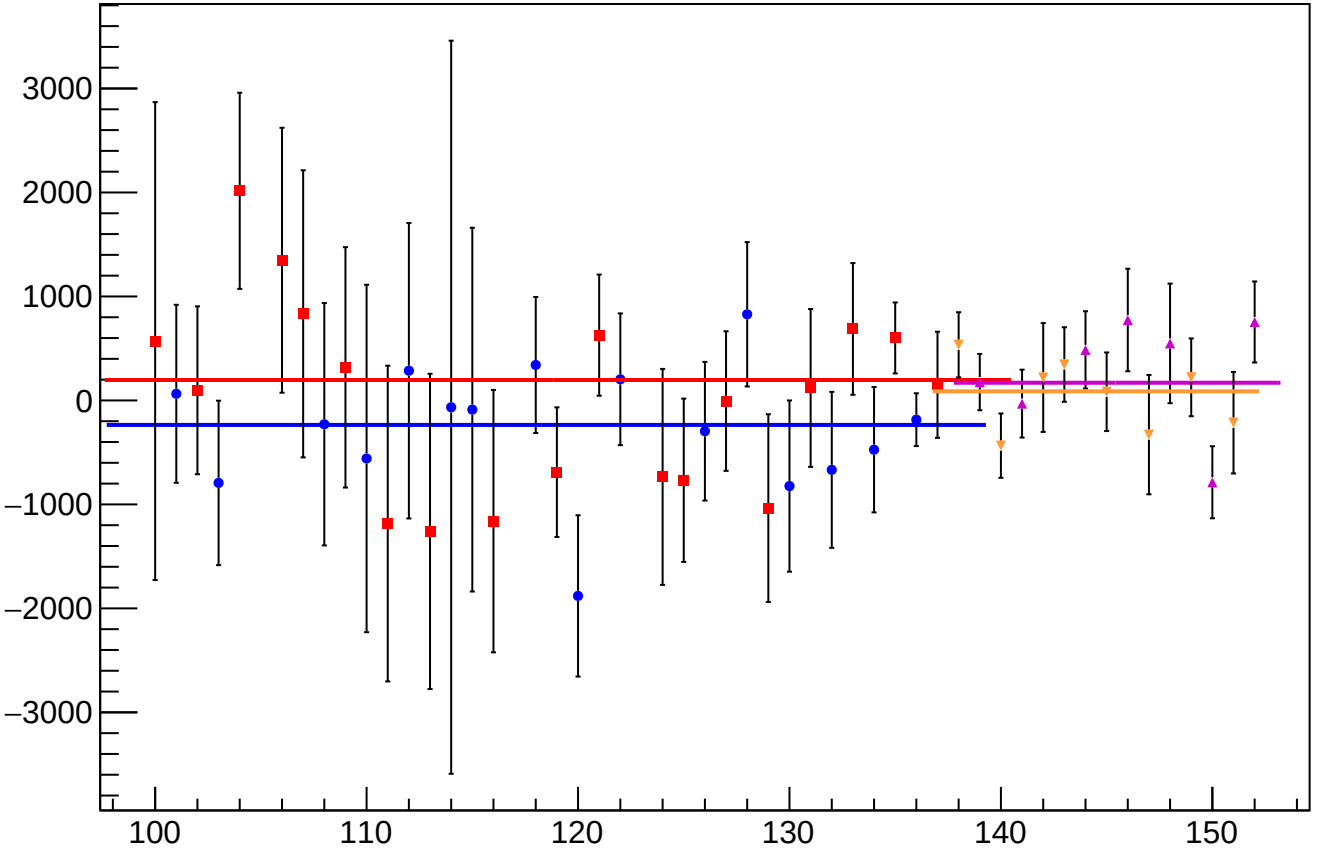
Left In: 80.183+/-0.023 χ^2/NDF:69435.9/6

+ sign 78.675+/-0.015 χ^2/NDF: 921793.4/23

All: 79.865+/-0.011 χ^2/NDF: 1937071.2/49

- sign 81.121+/-0.016 χ^2/NDF: 1003090.4/25

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.525+/-136.797 χ^2/NDF:6.5/7

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

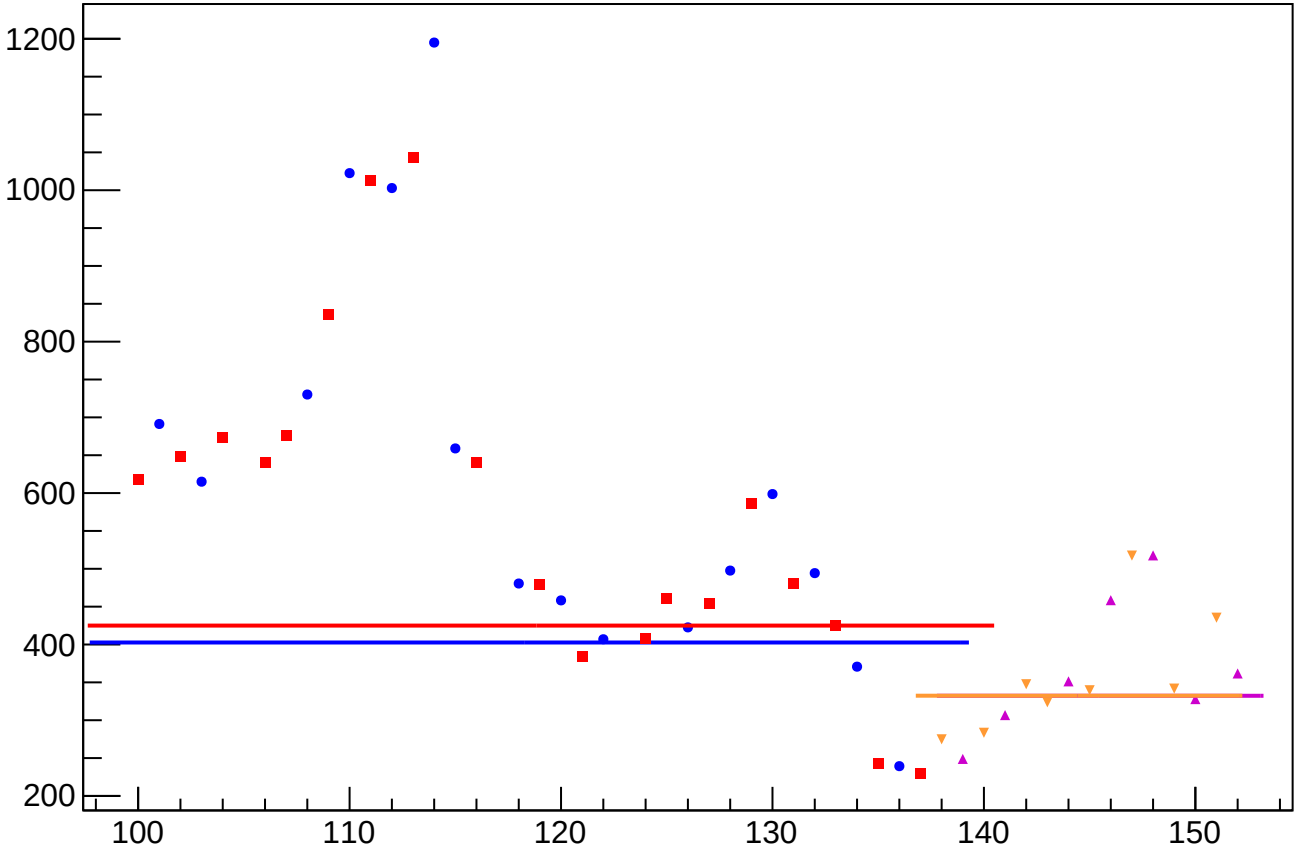
Left In: 170.090+/-138.238 χ^2/NDF:12.9/6

\+ sign -45.243+/-104.987 χ^2/NDF: 18.8/23

All: 65.136+/-75.068 χ^2/NDF: 50.5/49

\- sign 180.597+/-107.377 χ^2/NDF: 29.5/25

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.383+/-0.097 χ^2/NDF:419528.5/7

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

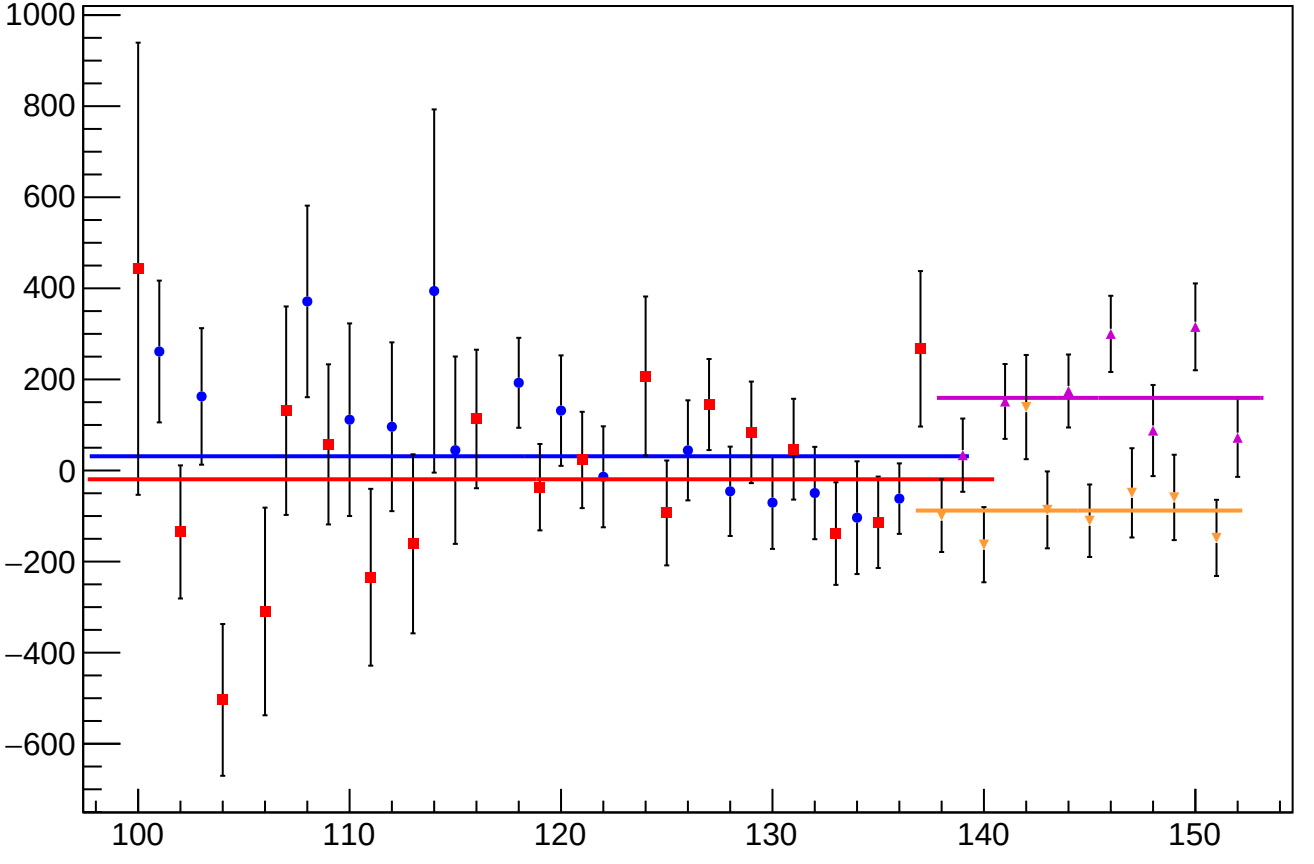
Left In: 332.285+/-0.098 χ^2/NDF:558198.8/6

+ sign 361.266+/-0.074 χ^2/NDF: 2996539.2/23

All: 365.073+/-0.053 χ^2/NDF: 6257906.2/49

- sign 369.056+/-0.076 χ^2/NDF: 3255984.8/25

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -87.922+/-31.026 χ^2/NDF:5.6/7

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

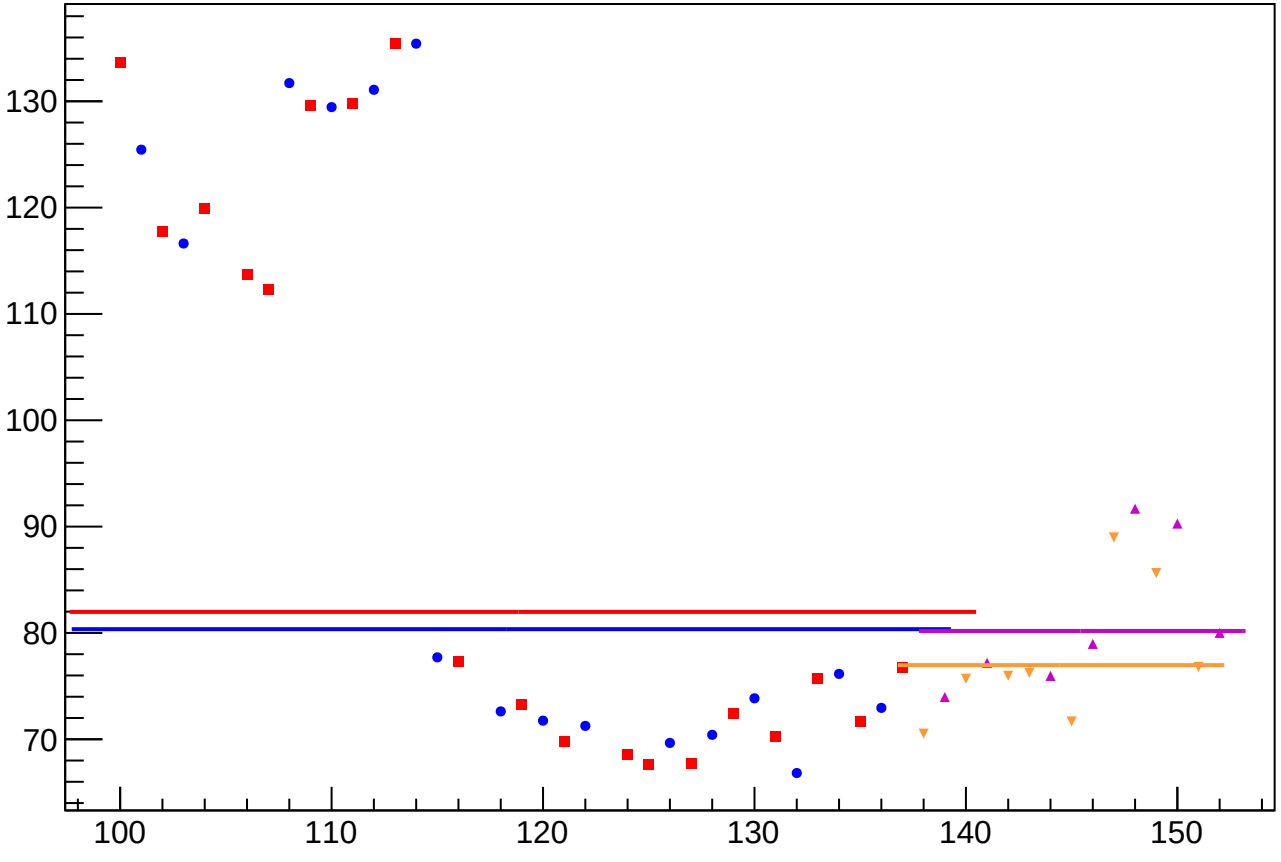
Left In: 159.450+/-32.505 χ^2/NDF:9.5/6

+ sign -27.869+/-21.853 χ^2/NDF: 28.2/23

All: 17.799+/-15.661 χ^2/NDF: 88.2/49

- sign 66.021+/-22.456 χ^2/NDF: 51.1/25

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 76.970+/-0.022 χ^2/NDF:69766.6/7

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

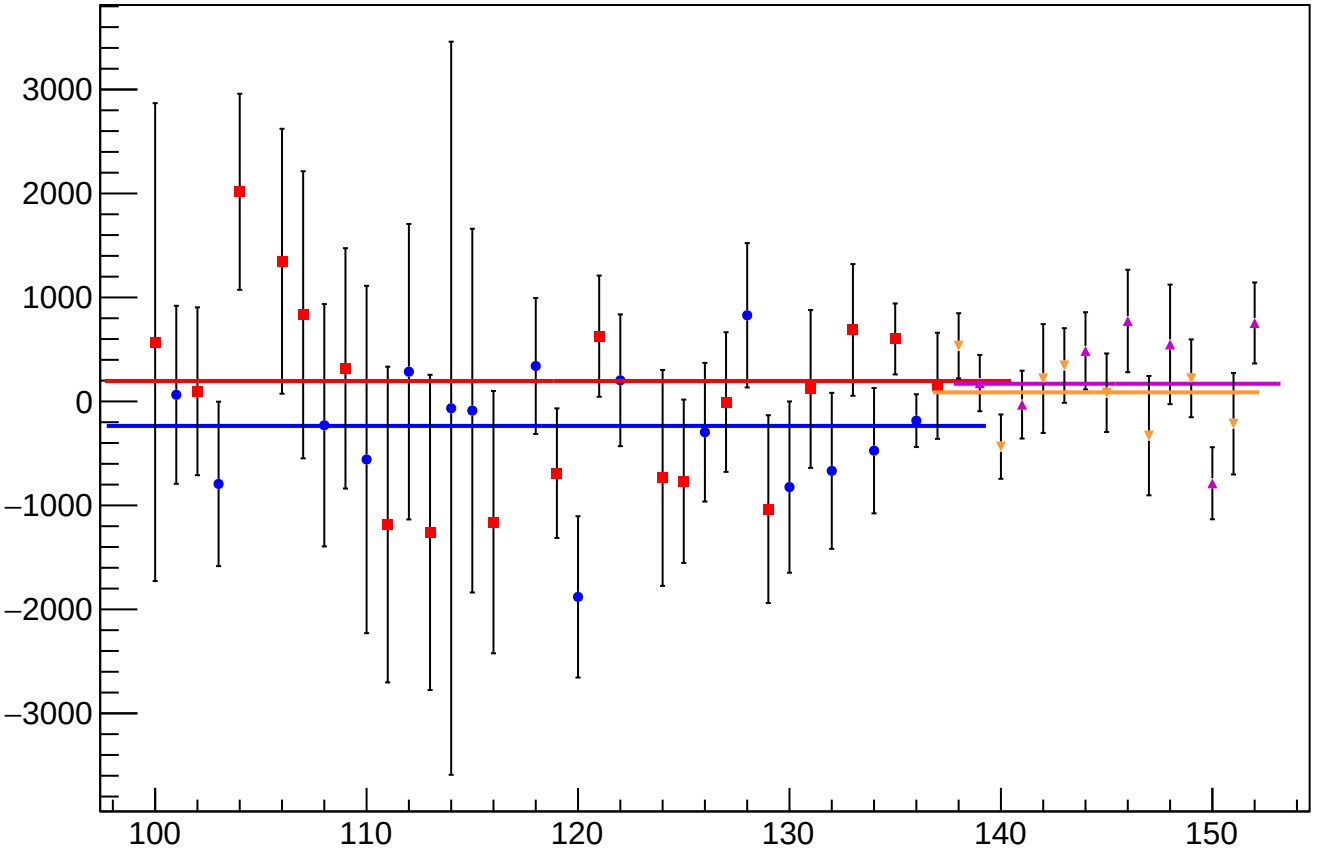
Left In: 80.183+/-0.023 χ^2/NDF:69435.9/6

+ sign 78.675+/-0.015 χ^2/NDF: 921793.4/23

All: 79.865+/-0.011 χ^2/NDF: 1937071.2/49

- sign 81.121+/-0.016 χ^2/NDF: 1003090.4/25

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.525+/-136.797 χ^2/NDF:6.5/7

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

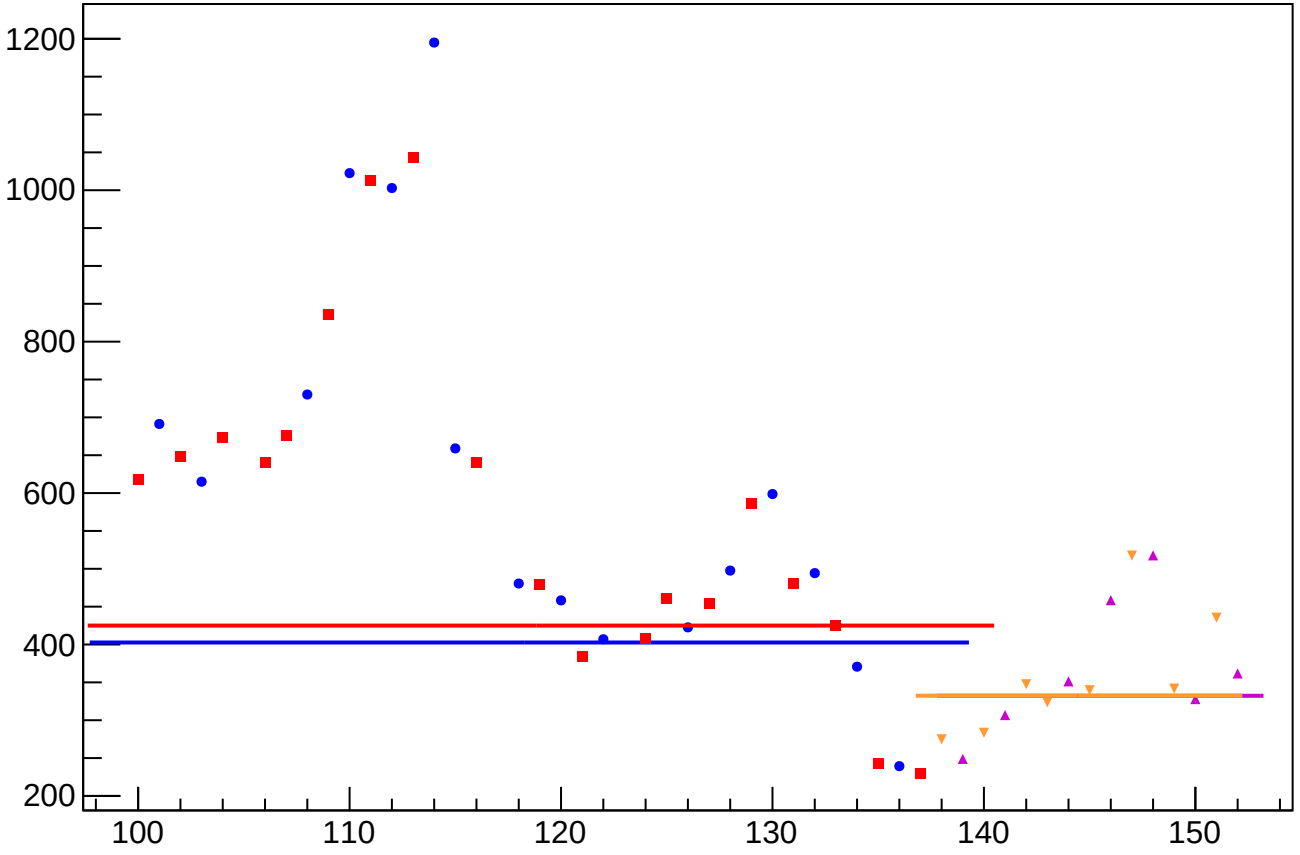
Left In: 170.090+/-138.238 χ^2/NDF:12.9/6

+ sign -45.243+/-104.987 χ^2/NDF: 18.8/23

All: 65.136+/-75.068 χ^2/NDF: 50.5/49

- sign 180.597+/-107.377 χ^2/NDF: 29.5/25

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.383+/-0.097 χ^2/NDF:419528.5/7

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

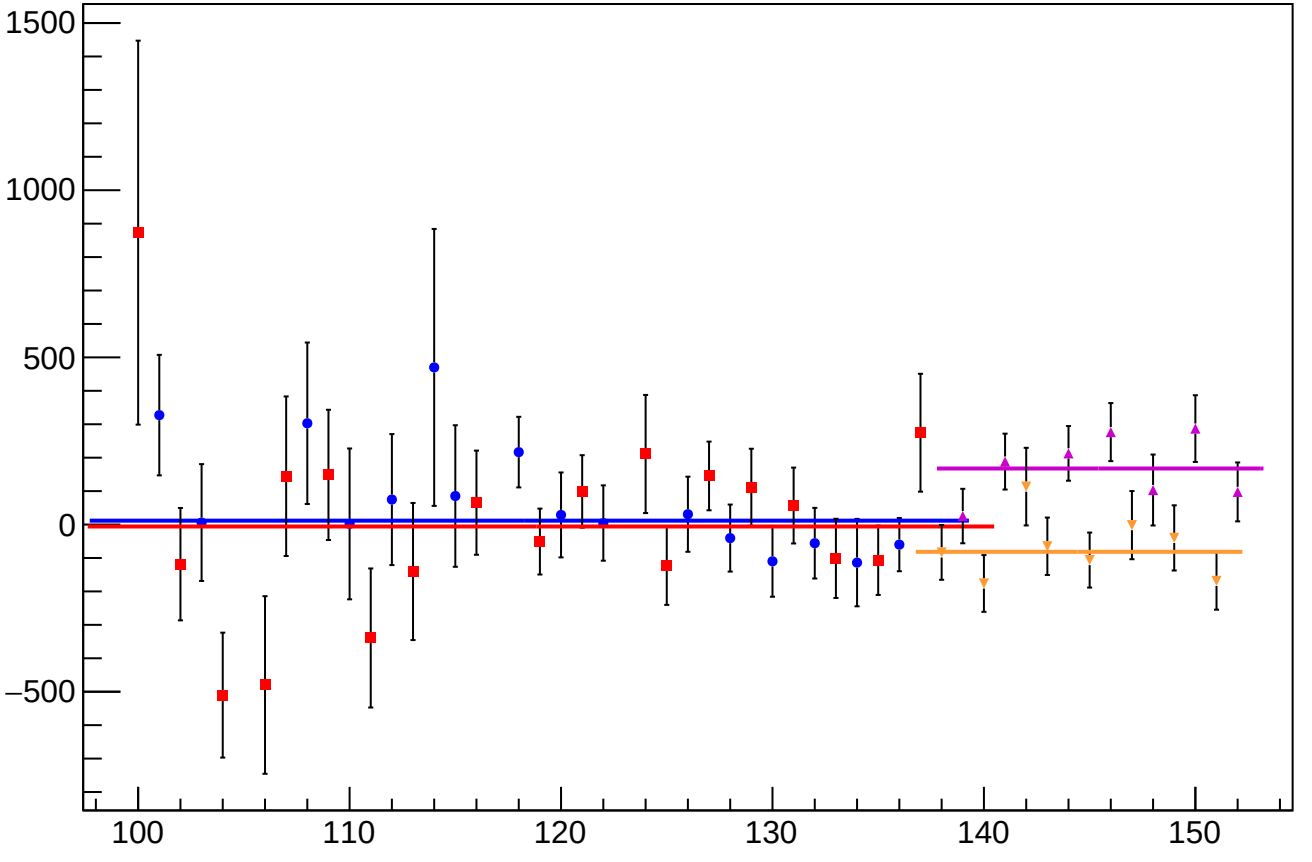
Left In: 332.285+/-0.098 χ^2/NDF:558198.8/6

+ sign 361.266+/-0.074 χ^2/NDF: 2996539.2/23

All: 365.073+/-0.053 χ^2/NDF: 6257906.2/49

- sign 369.056+/-0.076 χ^2/NDF: 3255984.8/25

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -81.571+/-31.913 χ^2/NDF:6.0/7

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

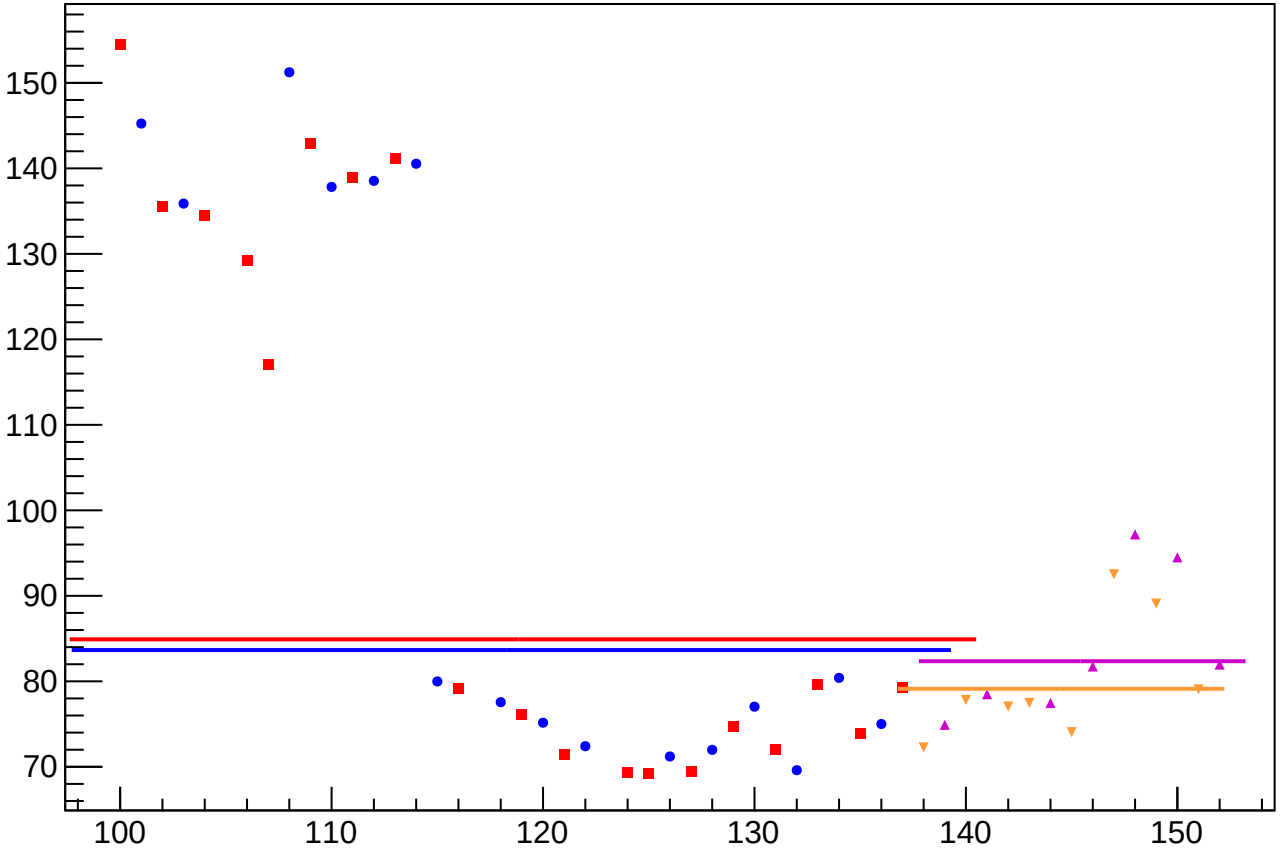
Left In: 167.616+/-33.439 χ^2/NDF:7.4/6

+ sign -35.517+/-22.701 χ^2/NDF: 23.7/23

All: 19.935+/-16.254 χ^2/NDF: 86.0/49

- sign 78.280+/-23.285 χ^2/NDF: 50.1/25

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.124+/-0.023 χ^2/NDF:78911.6/7

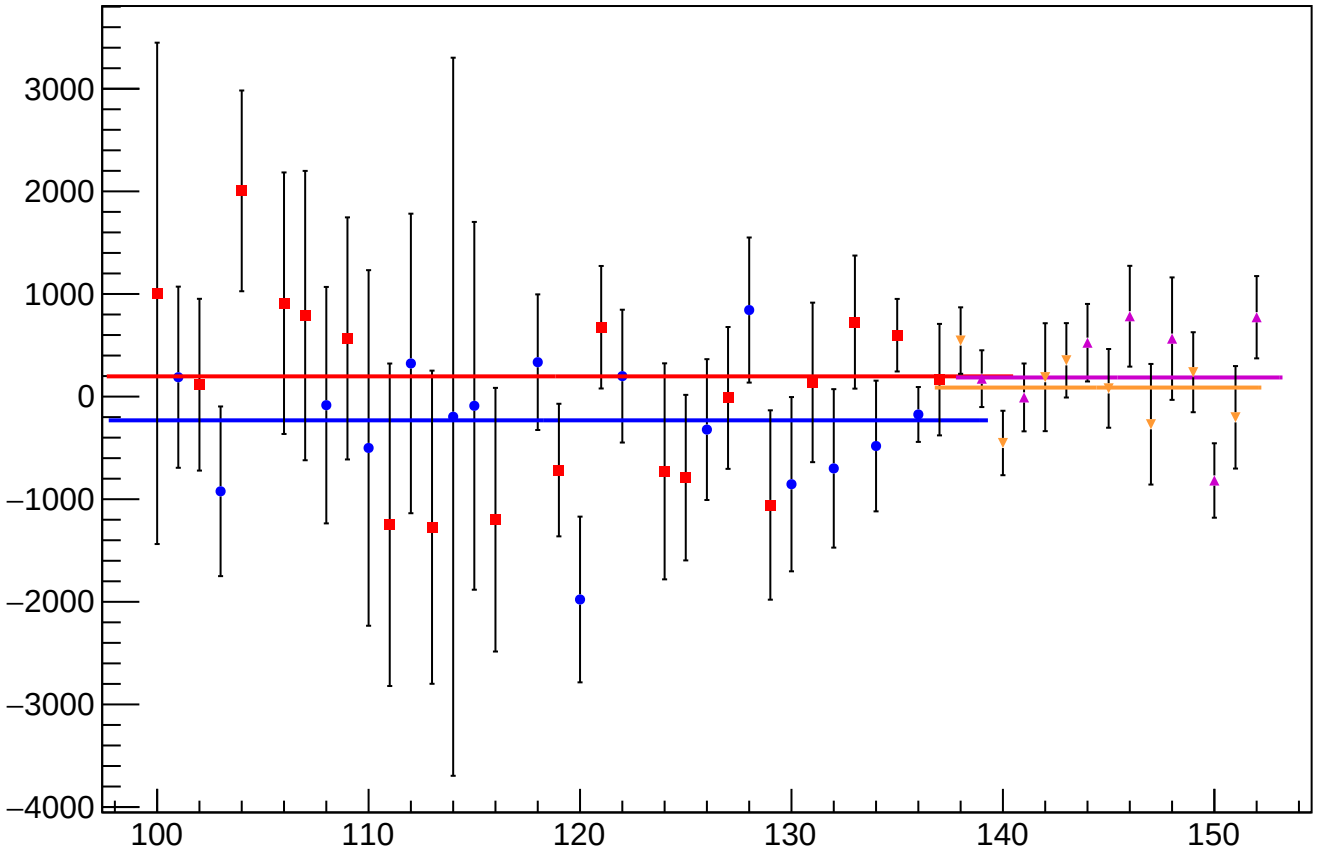
Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 82.351+/-0.024 χ^2/NDF:96957.6/6

+ sign 81.364+/-0.016 χ^2/NDF: 1133636.9/23

All: 82.488+/-0.011 χ^2/NDF: 2368377.0/49

- sign 83.671+/-0.016 χ^2/NDF: 1224672.2/25



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 88.064+/-139.789 χ^2/NDF:6.4/7

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

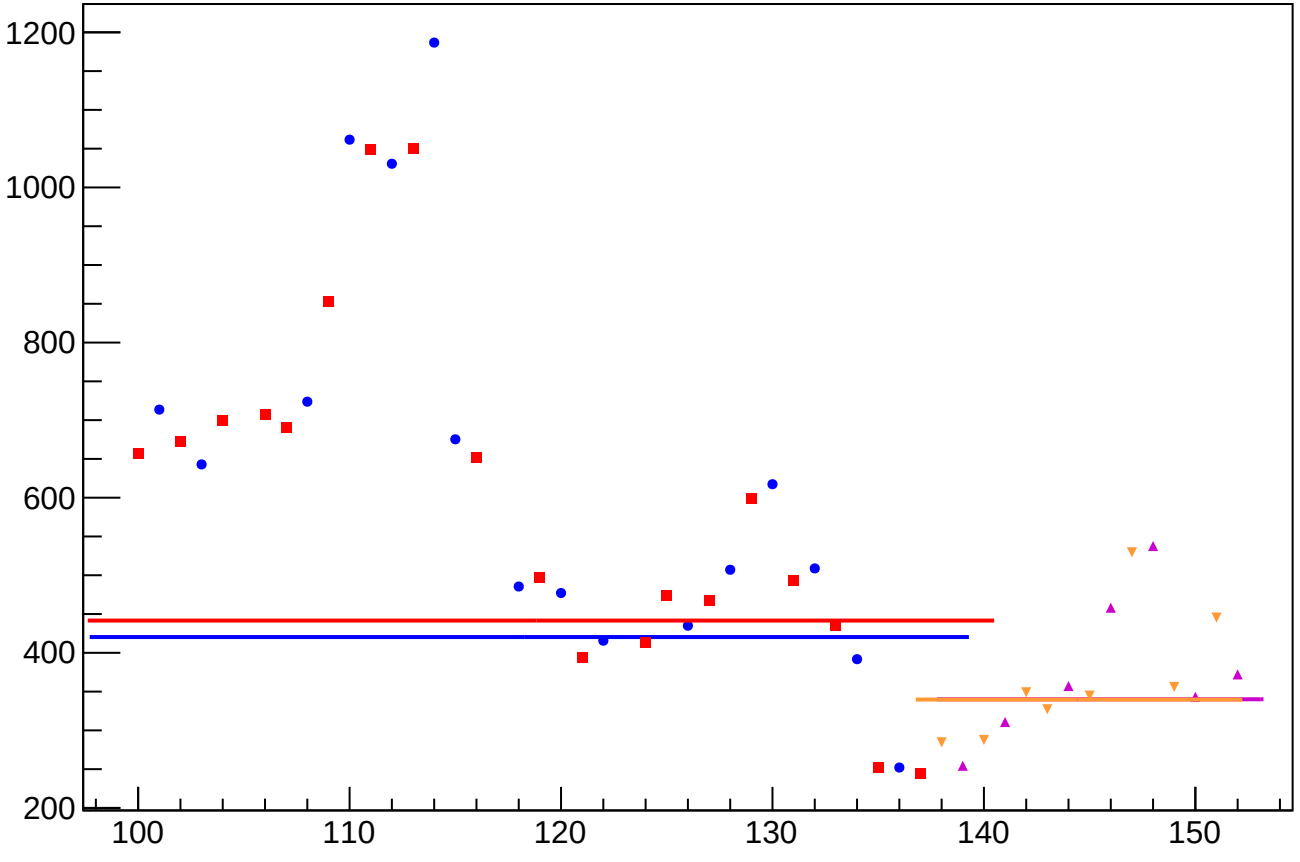
Left In: 186.370+/-141.431 χ^2/NDF:12.8/6

\+ sign -40.689+/-108.007 χ^2/NDF: 18.9/23

All: 72.568+/-77.160 χ^2/NDF: 49.9/49

\- sign 190.619+/-110.269 χ^2/NDF: 28.7/25

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 339.730+/-0.099 χ^2/NDF:418027.3/7

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

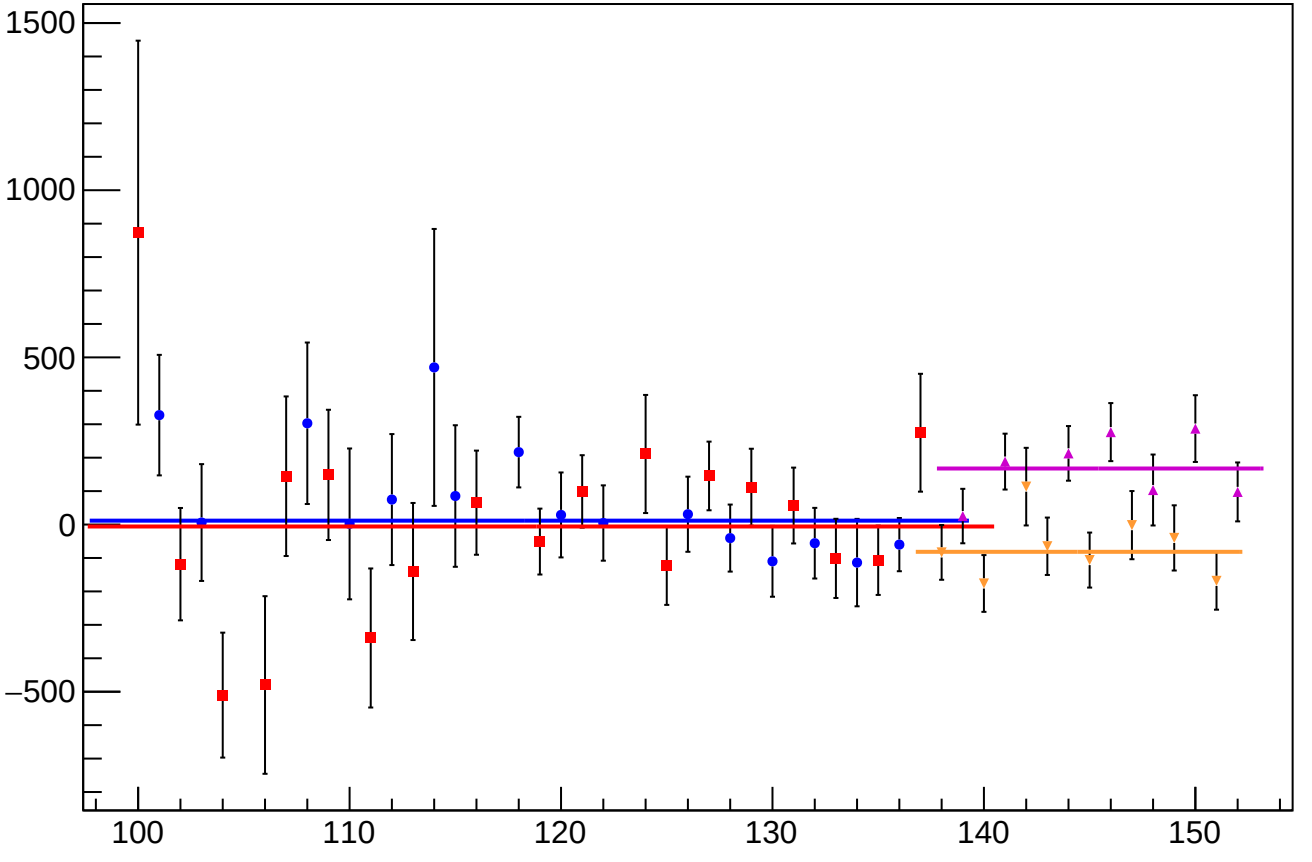
Left In: 340.105+/-0.100 χ^2/NDF:559545.6/6

\+ sign 372.213+/-0.076 χ^2/NDF: 2940601.6/23

All: 375.979+/-0.055 χ^2/NDF: 6216562.0/49

\- sign 379.903+/-0.078 χ^2/NDF: 3270995.8/25

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -81.572+/-31.913 χ^2/NDF:6.0/7

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

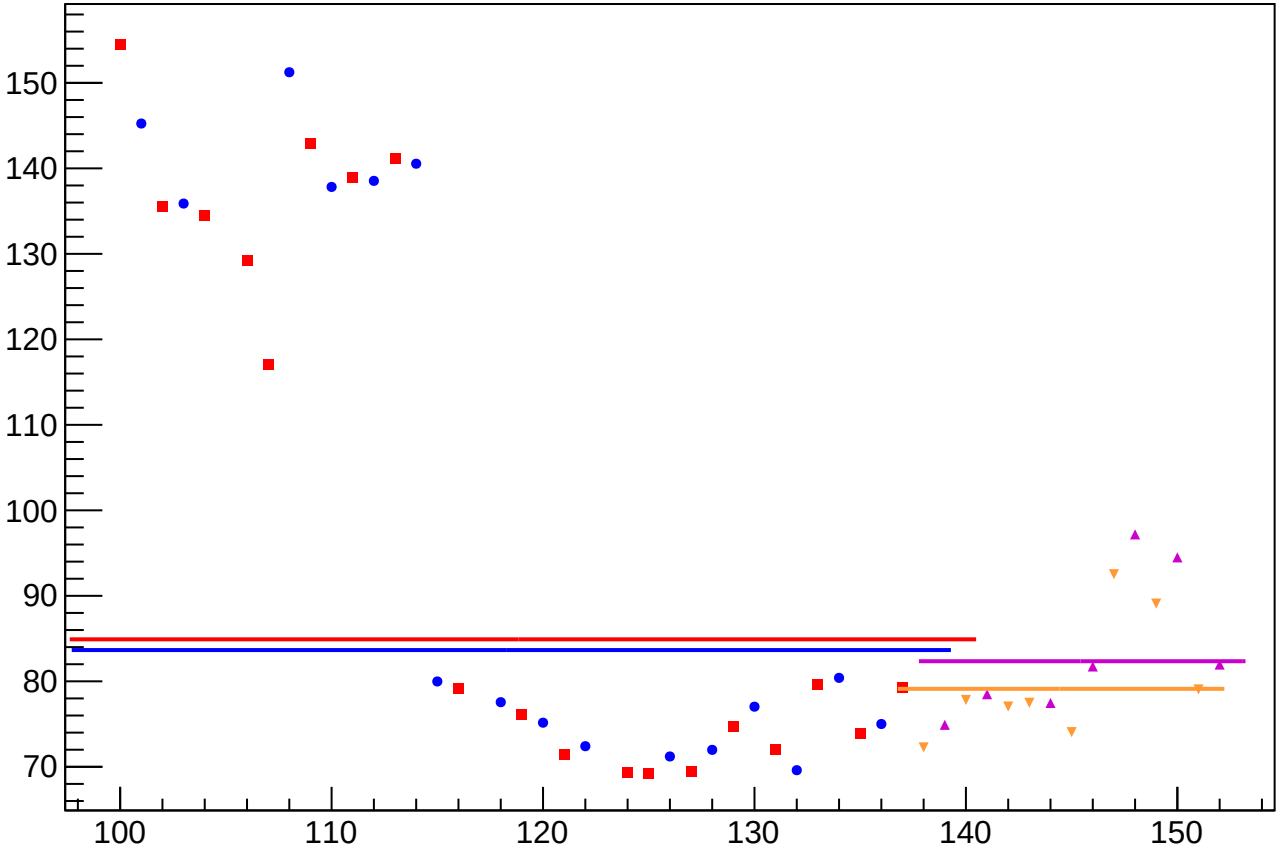
Left In: 167.616+/-33.439 χ^2/NDF:7.4/6

+ sign -35.517+/-22.701 χ^2/NDF: 23.7/23

All: 19.935+/-16.254 χ^2/NDF: 86.0/49

- sign 78.280+/-23.285 χ^2/NDF: 50.1/25

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.124+/-0.023 χ^2/NDF:78911.1/7

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

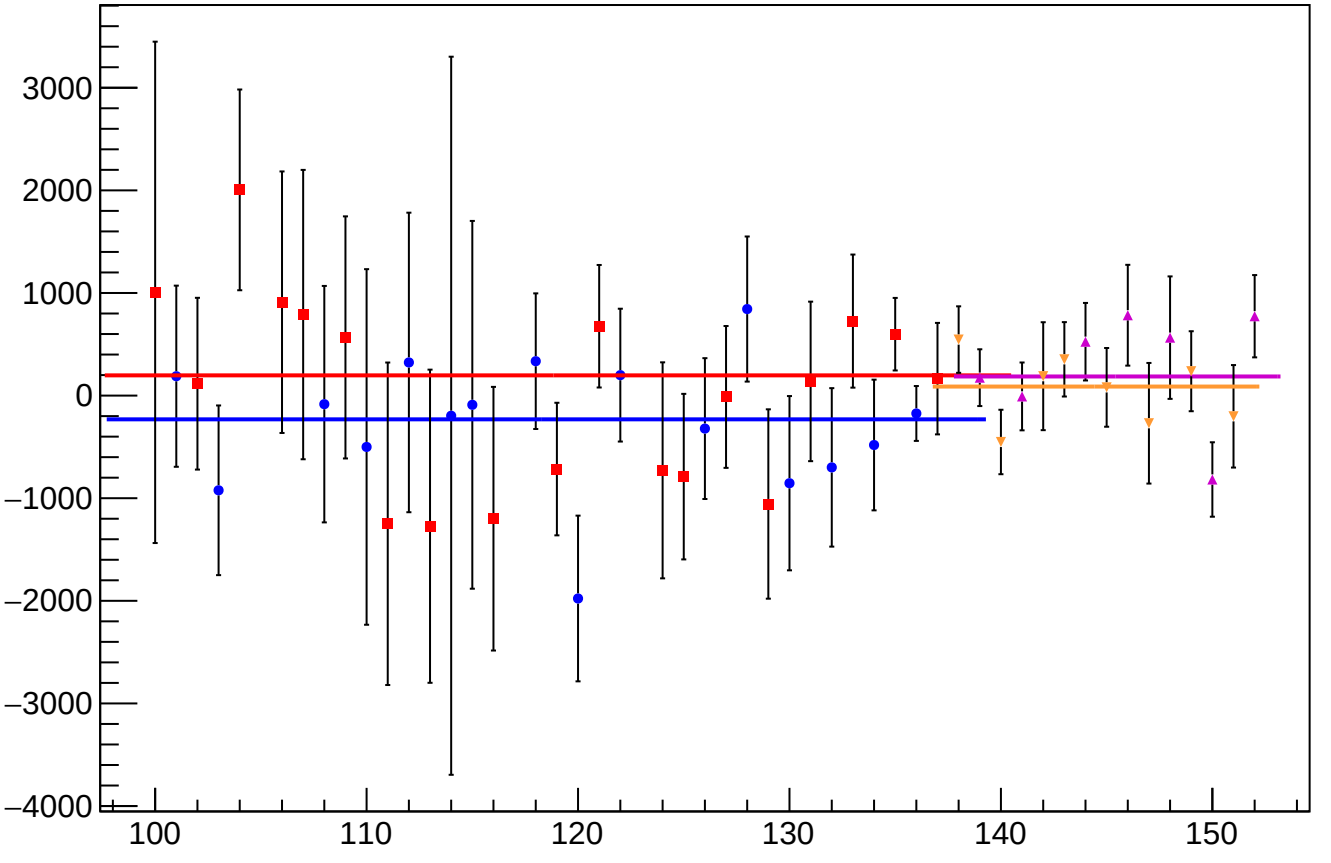
Left In: 82.351+/-0.024 χ^2/NDF:96956.8/6

+ sign 81.364+/-0.016 χ^2/NDF: 1133635.5/23

All: 82.488+/-0.011 χ^2/NDF: 2368373.5/49

- sign 83.671+/-0.016 χ^2/NDF: 1224670.1/25

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 88.063+/-139.788 χ^2/NDF:6.4/7

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

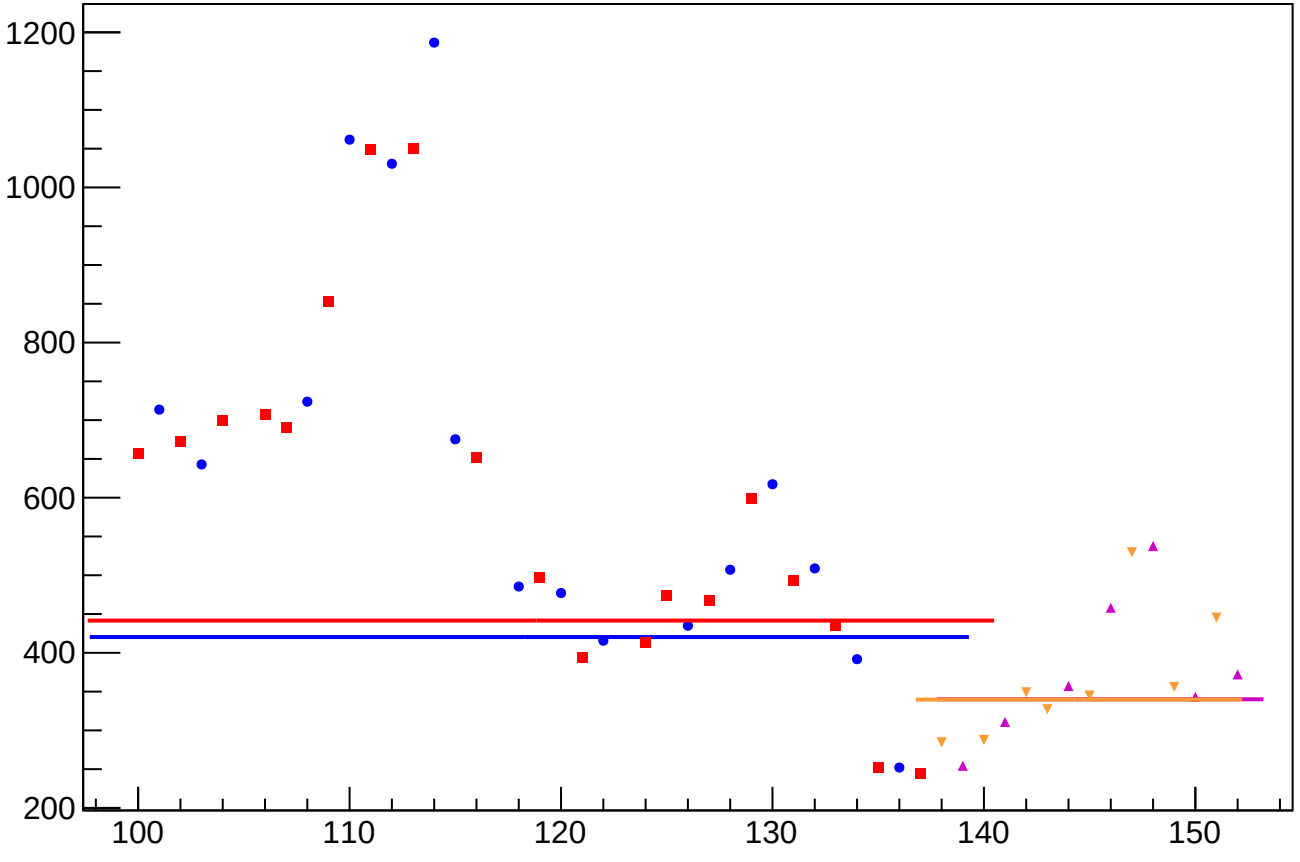
Left In: 186.369+/-141.431 χ^2/NDF:12.8/6

\+ sign -40.689+/-108.007 χ^2/NDF: 18.9/23

All: 72.568+/-77.159 χ^2/NDF: 49.9/49

\- sign 190.619+/-110.268 χ^2/NDF: 28.7/25

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 339.730+/-0.099 χ^2/NDF:418027.0/7

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

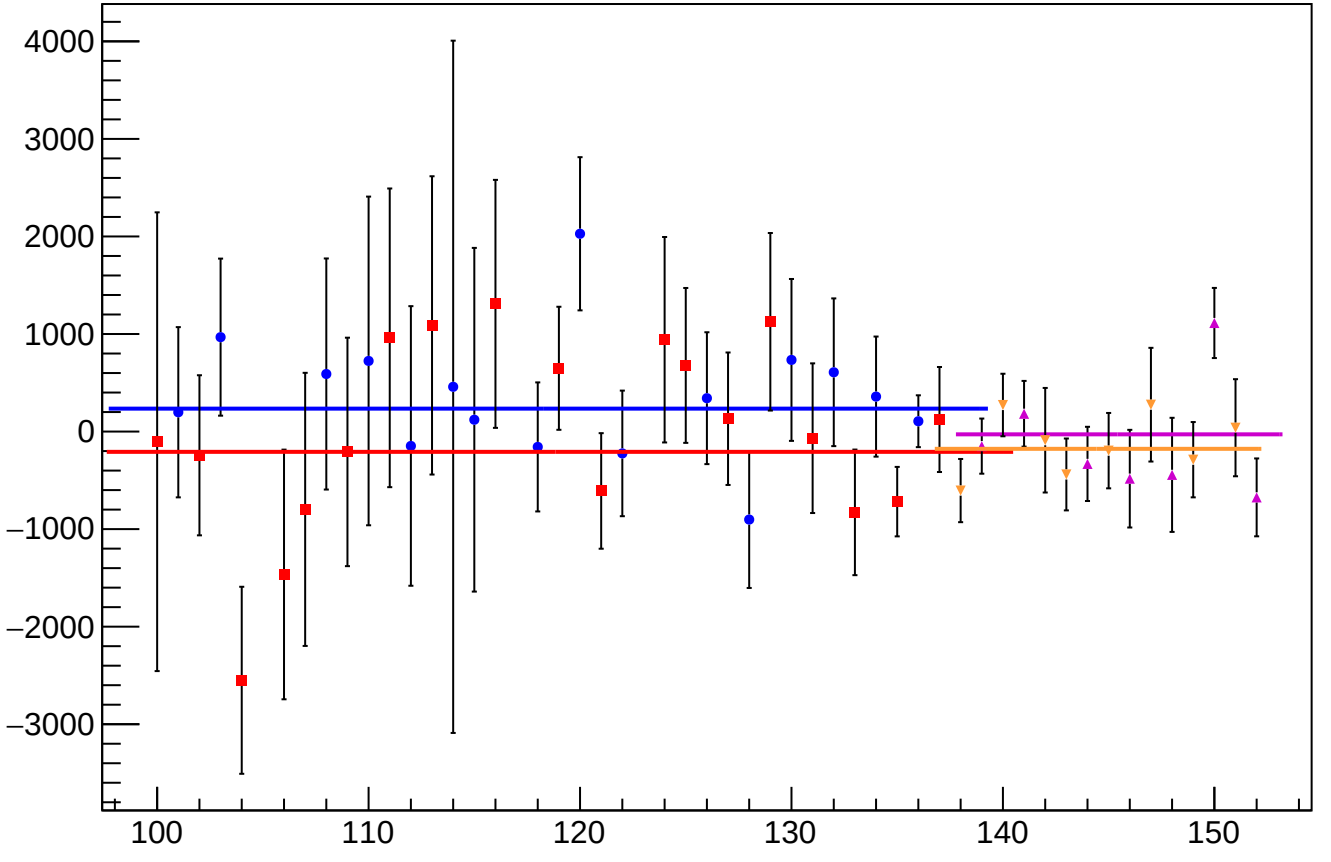
Left In: 340.105+/-0.100 χ^2/NDF:559546.5/6

+ sign 372.213+/-0.076 χ^2/NDF: 2940604.5/23

All: 375.978+/-0.055 χ^2/NDF: 6216569.0/49

- sign 379.903+/-0.078 χ^2/NDF: 3270999.8/25

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -177.015+/-140.716 χ^2/NDF:5.1/7

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

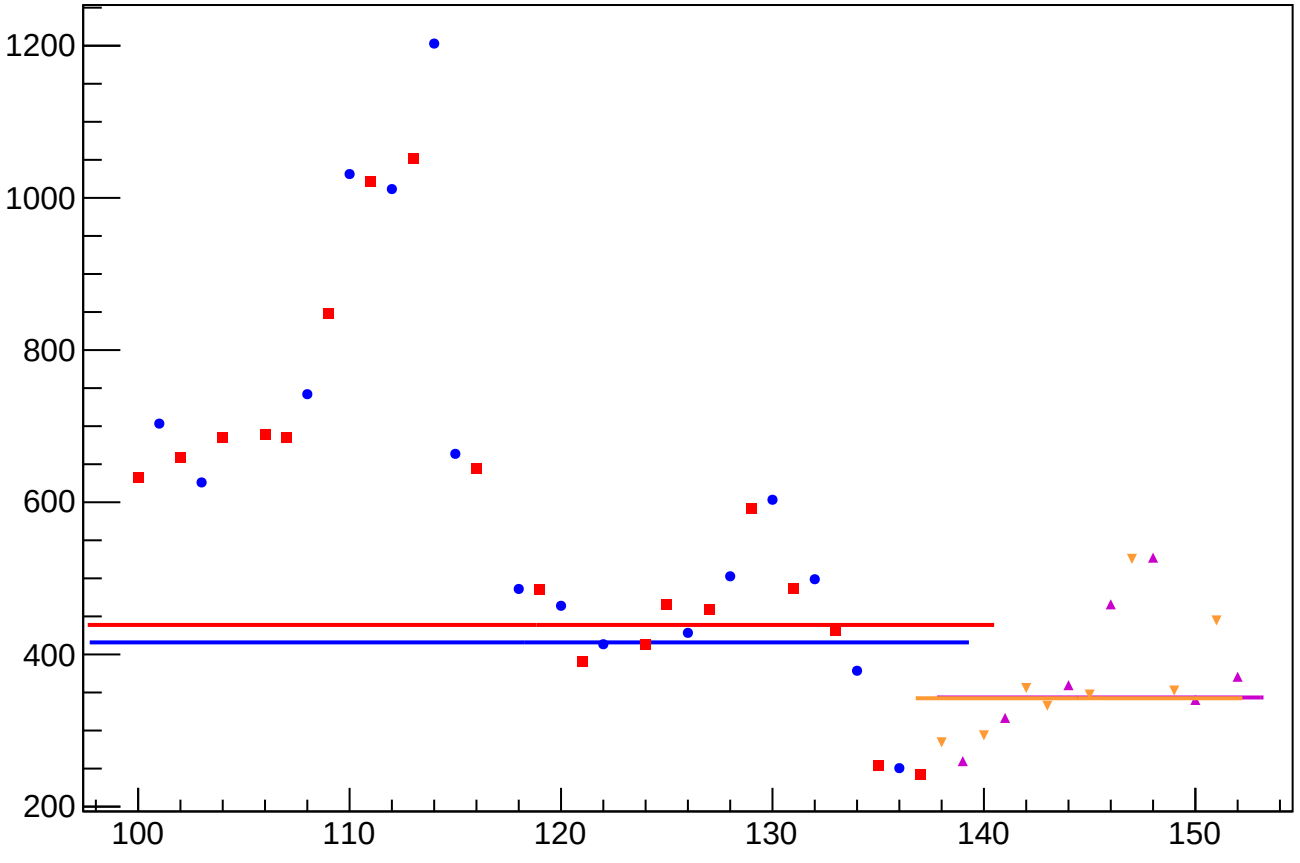
Left In: -28.454+/-142.590 χ^2/NDF:15.2/6

\+ sign -7.354+/-107.927 χ^2/NDF: 19.3/23

All: -52.700+/-77.199 χ^2/NDF: 56.0/49

\- sign -100.207+/-110.470 χ^2/NDF: 36.2/25

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 342.427+/-0.100 χ^2/NDF:396583.3/7

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

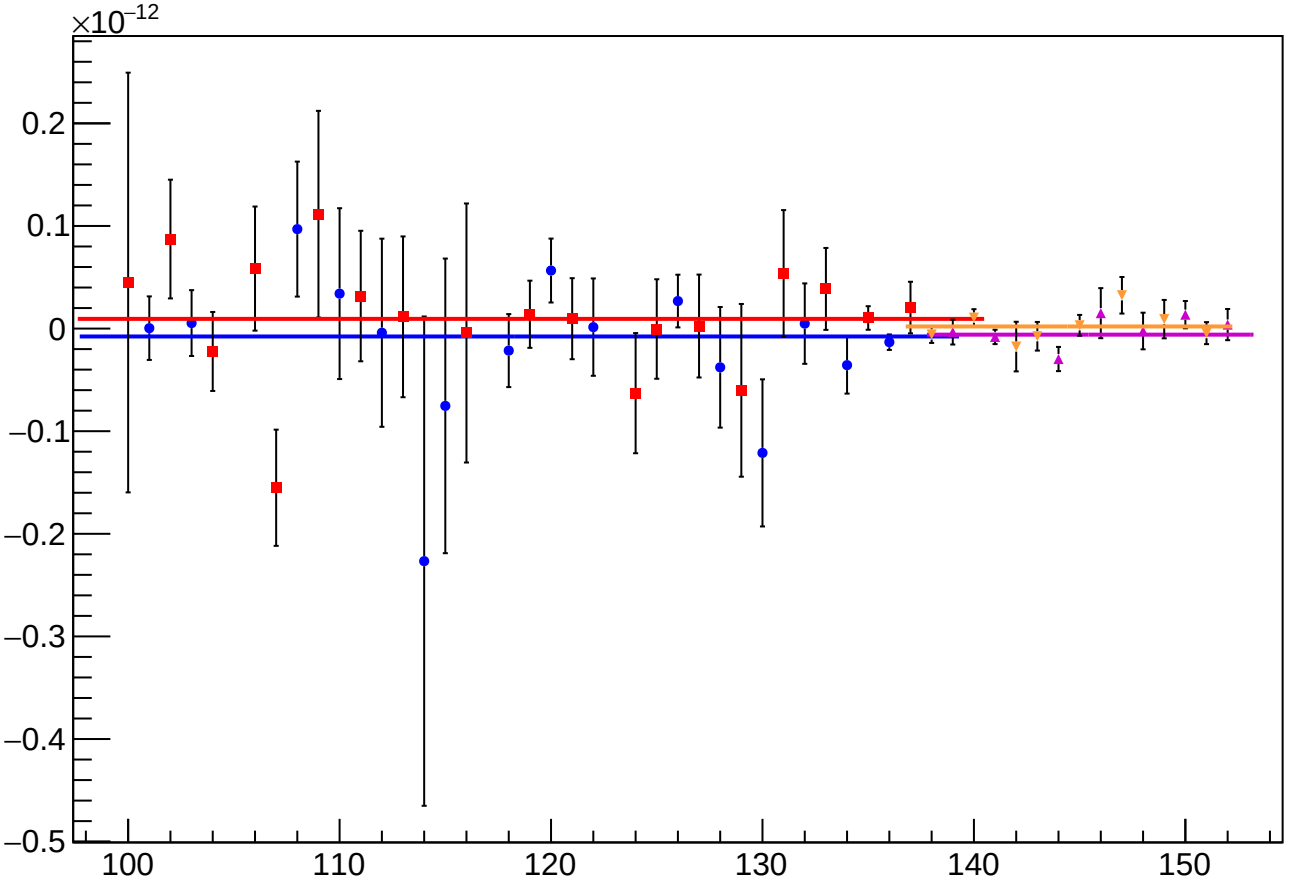
Left In: 343.458+/-0.101 χ^2/NDF:518197.7/6

+ sign 372.653+/-0.076 χ^2/NDF: 2844662.1/23

All: 377.005+/-0.055 χ^2/NDF: 5961563.4/49

- sign 381.563+/-0.078 χ^2/NDF: 3110244.7/25

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/7

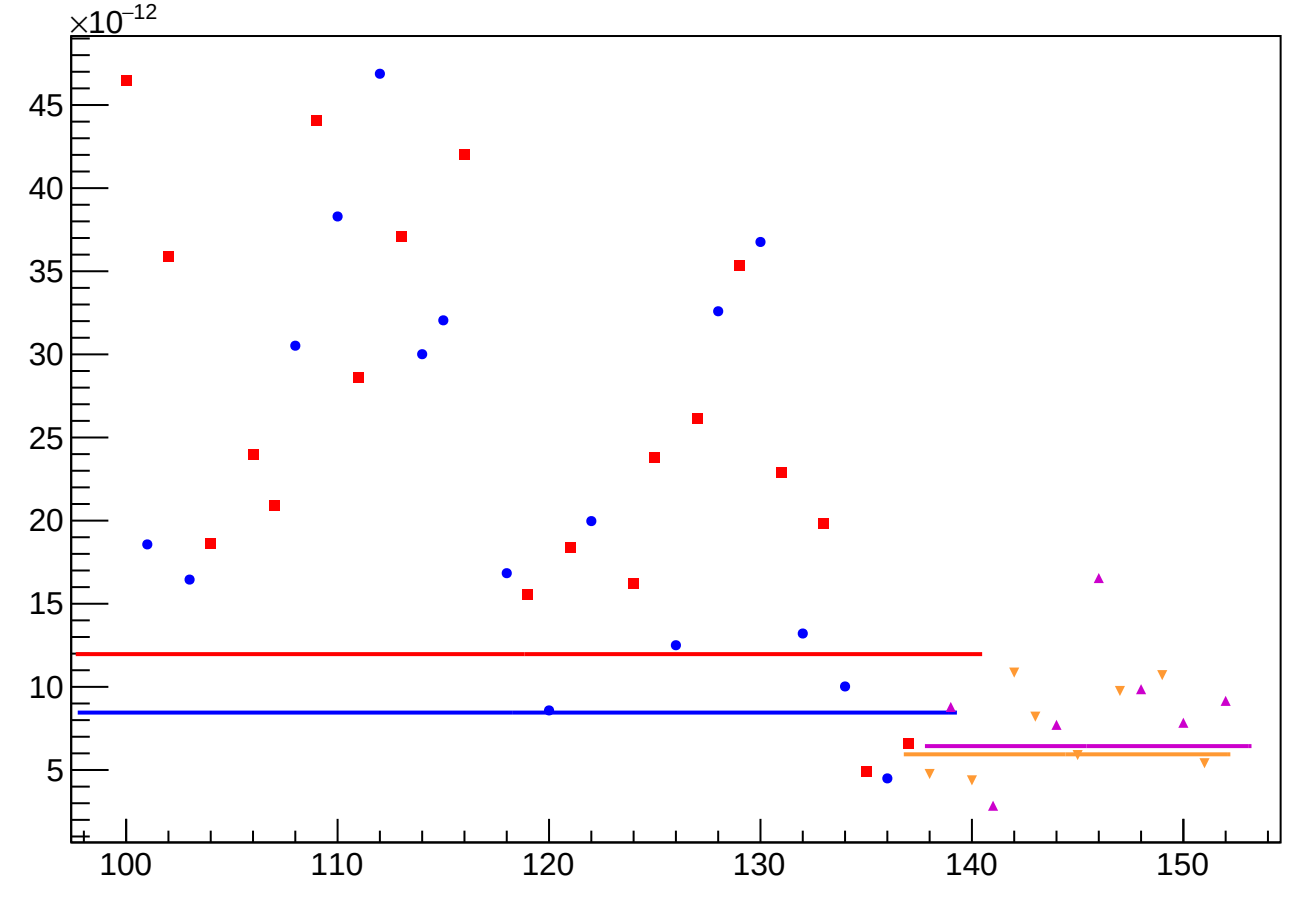
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/23

All: -0.000+/-0.000 χ^2/NDF: 49.7/49

- sign -0.000+/-0.000 χ^2/NDF: 26.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:474929.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

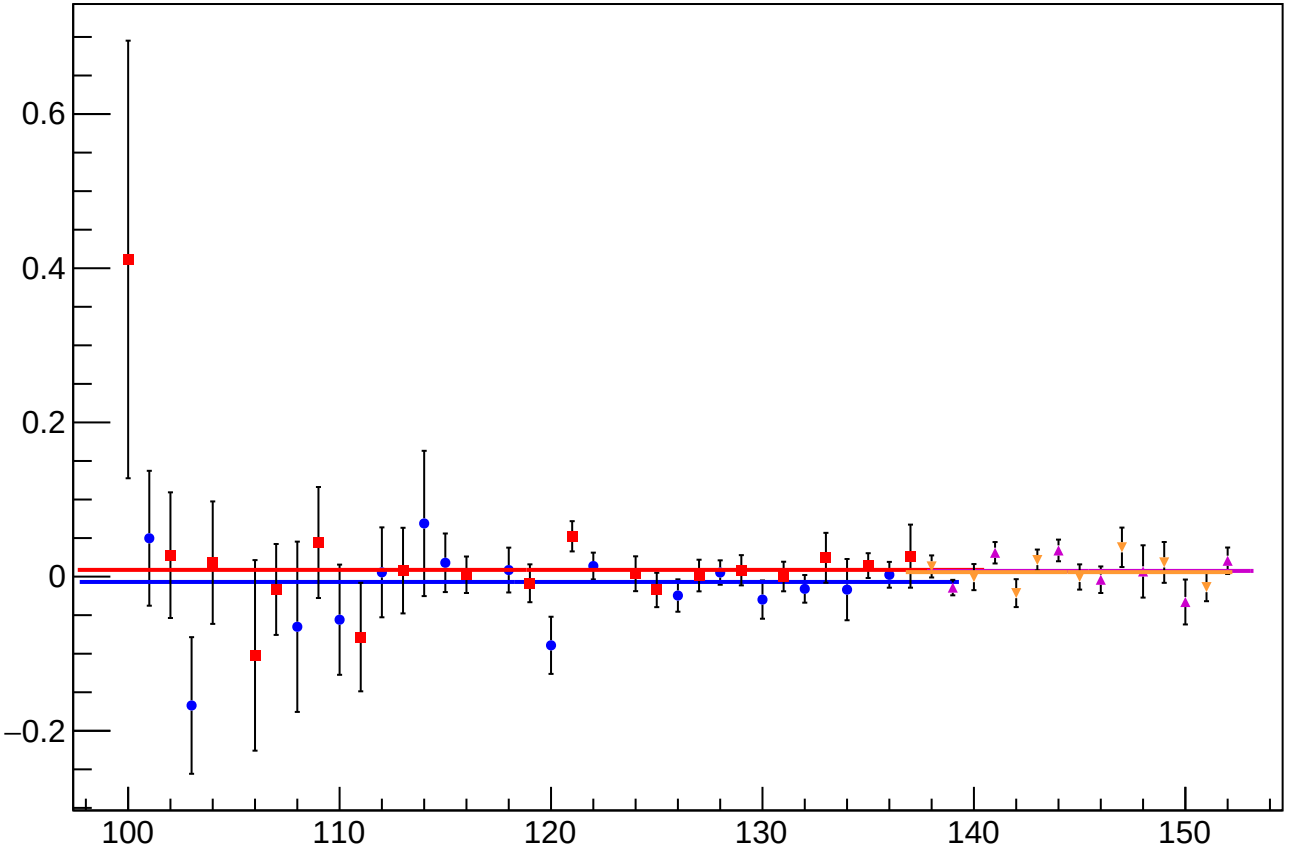
Left In: 0.000+/-0.000 χ^2/NDF:1123988.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 3462676.2/23

All: 0.000+/-0.000 χ^2/NDF: 8130711.4/49

- sign 0.000+/-0.000 χ^2/NDF: 4589209.3/25

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.006 χ^2/NDF:7.1/7

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

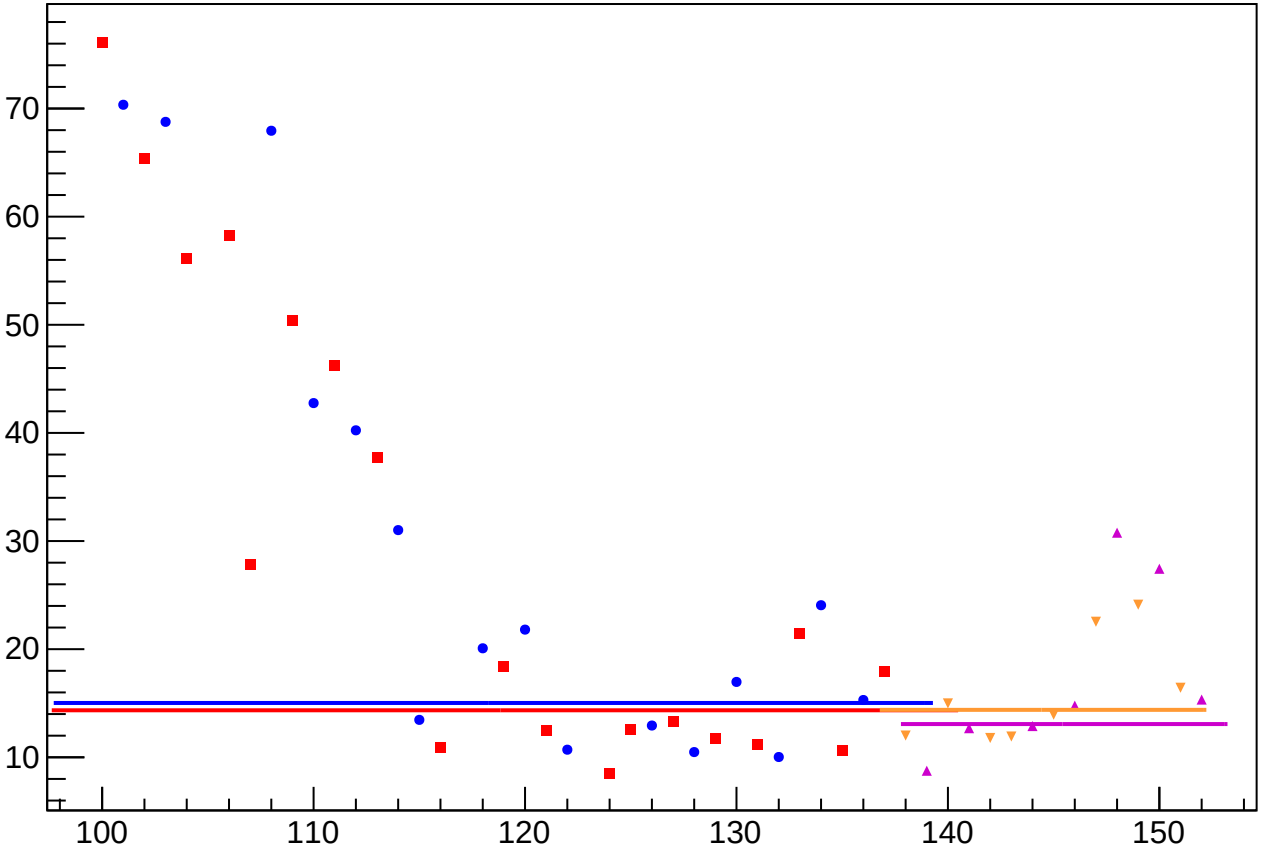
Left In: 0.007+/-0.006 χ^2/NDF:14.0/6

+ sign 0.000+/-0.005 χ^2/NDF: 24.0/23

All: 0.004+/-0.003 χ^2/NDF: 52.3/49

- sign 0.008+/-0.004 χ^2/NDF: 26.7/25

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.388+/-0.004 χ^2/NDF:663686.5/7

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

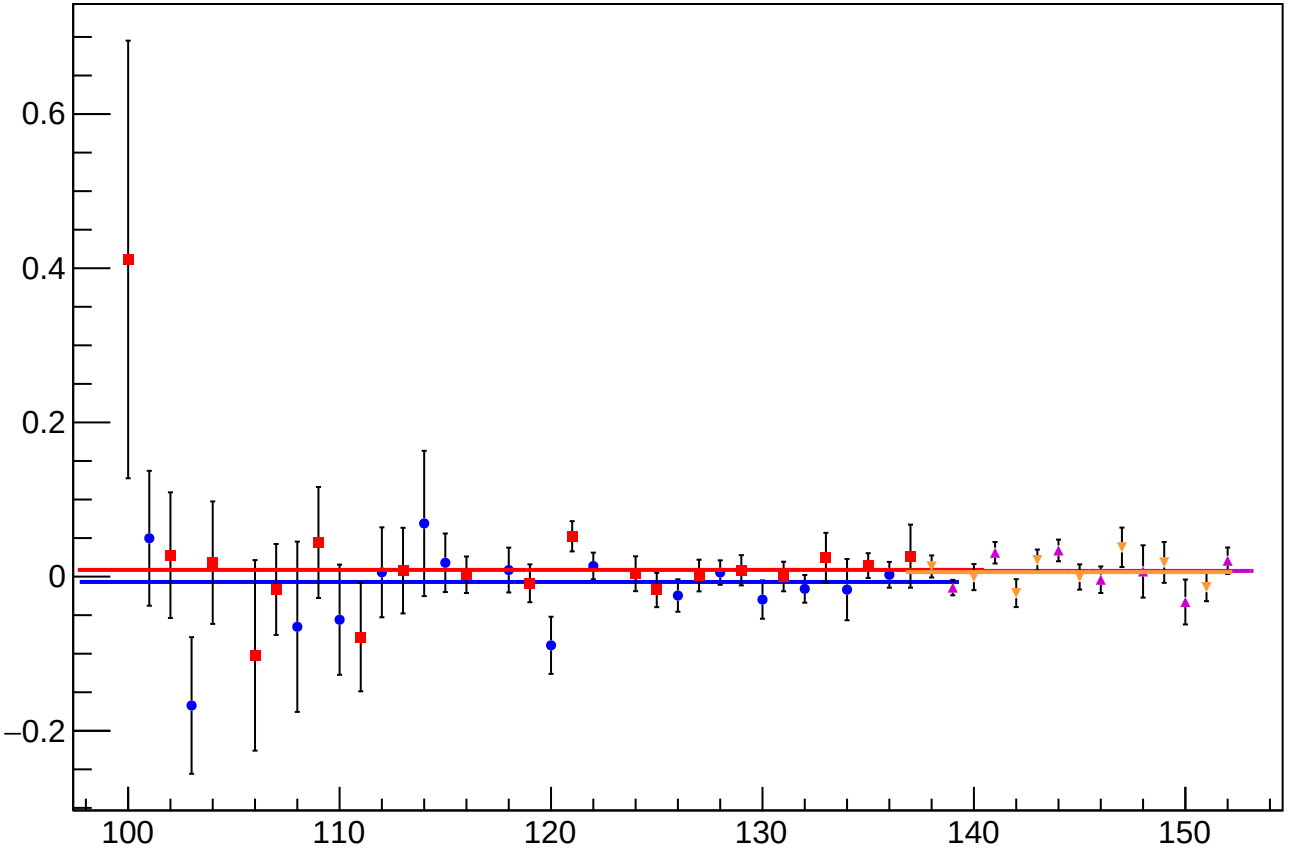
Left In: 13.075+/-0.004 χ^2/NDF:1456410.8/6

+ sign 14.678+/-0.003 χ^2/NDF: 4111728.7/23

All: 14.143+/-0.002 χ^2/NDF: 9293142.3/49

- sign 13.658+/-0.003 χ^2/NDF: 5128513.7/25

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.006 χ^2/NDF:7.1/7

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

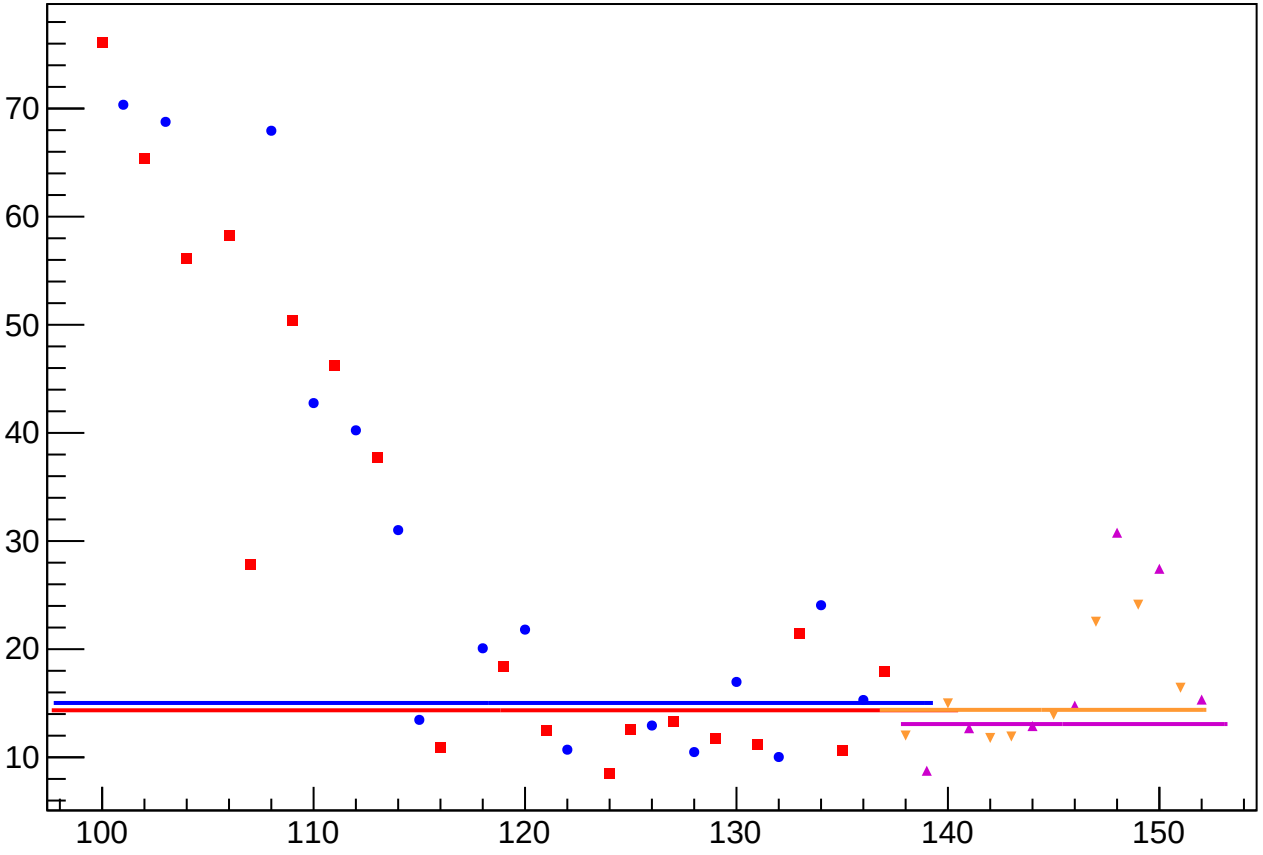
Left In: 0.007+/-0.006 χ^2/NDF:14.0/6

+ sign 0.000+/-0.005 χ^2/NDF: 24.0/23

All: 0.004+/-0.003 χ^2/NDF: 52.3/49

- sign 0.008+/-0.004 χ^2/NDF: 26.7/25

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.388+/-0.004 χ^2/NDF:663686.5/7

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

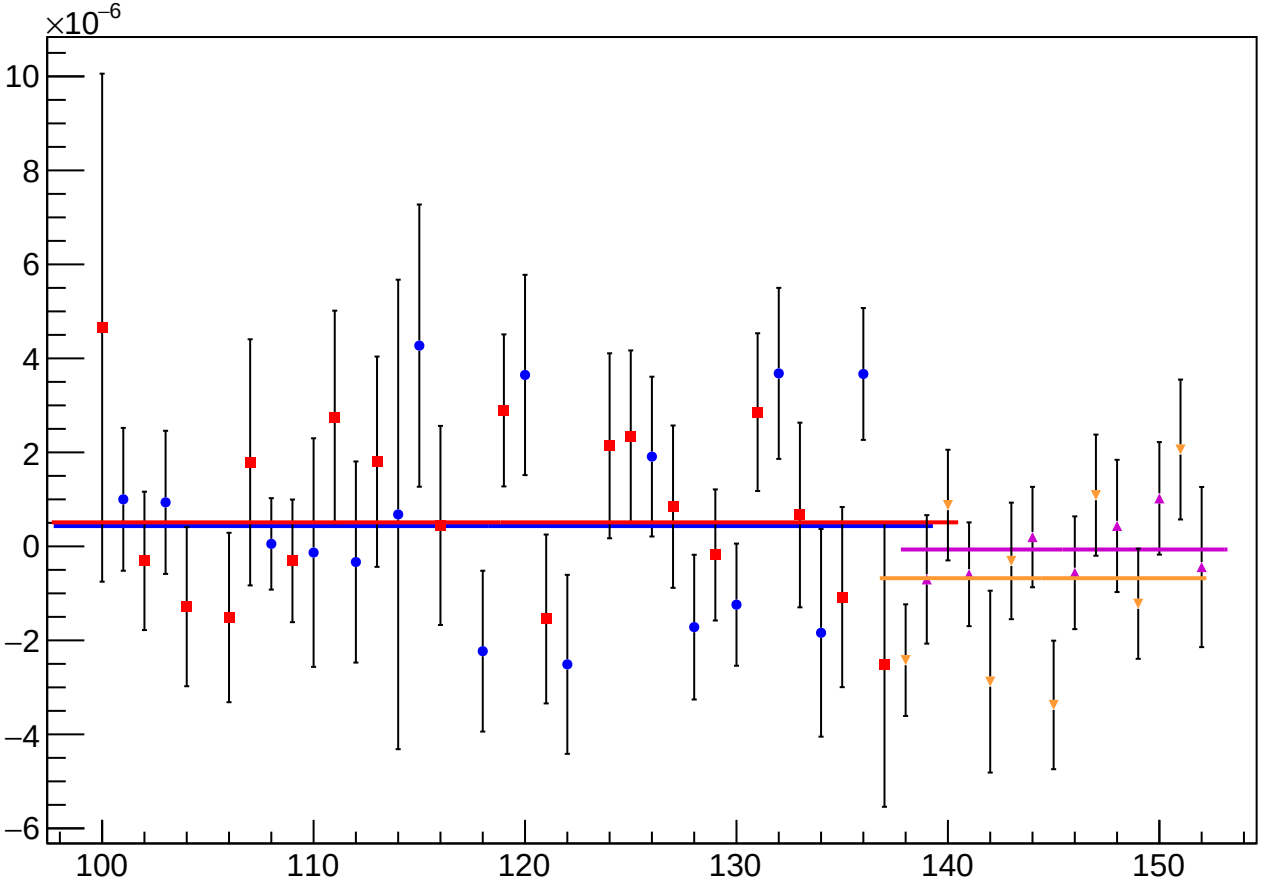
Left In: 13.075+/-0.004 χ^2/NDF:1456410.8/6

+ sign 14.678+/-0.003 χ^2/NDF: 4111728.7/23

All: 14.143+/-0.002 χ^2/NDF: 9293142.3/49

- sign 13.658+/-0.003 χ^2/NDF: 5128513.7/25

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:14.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

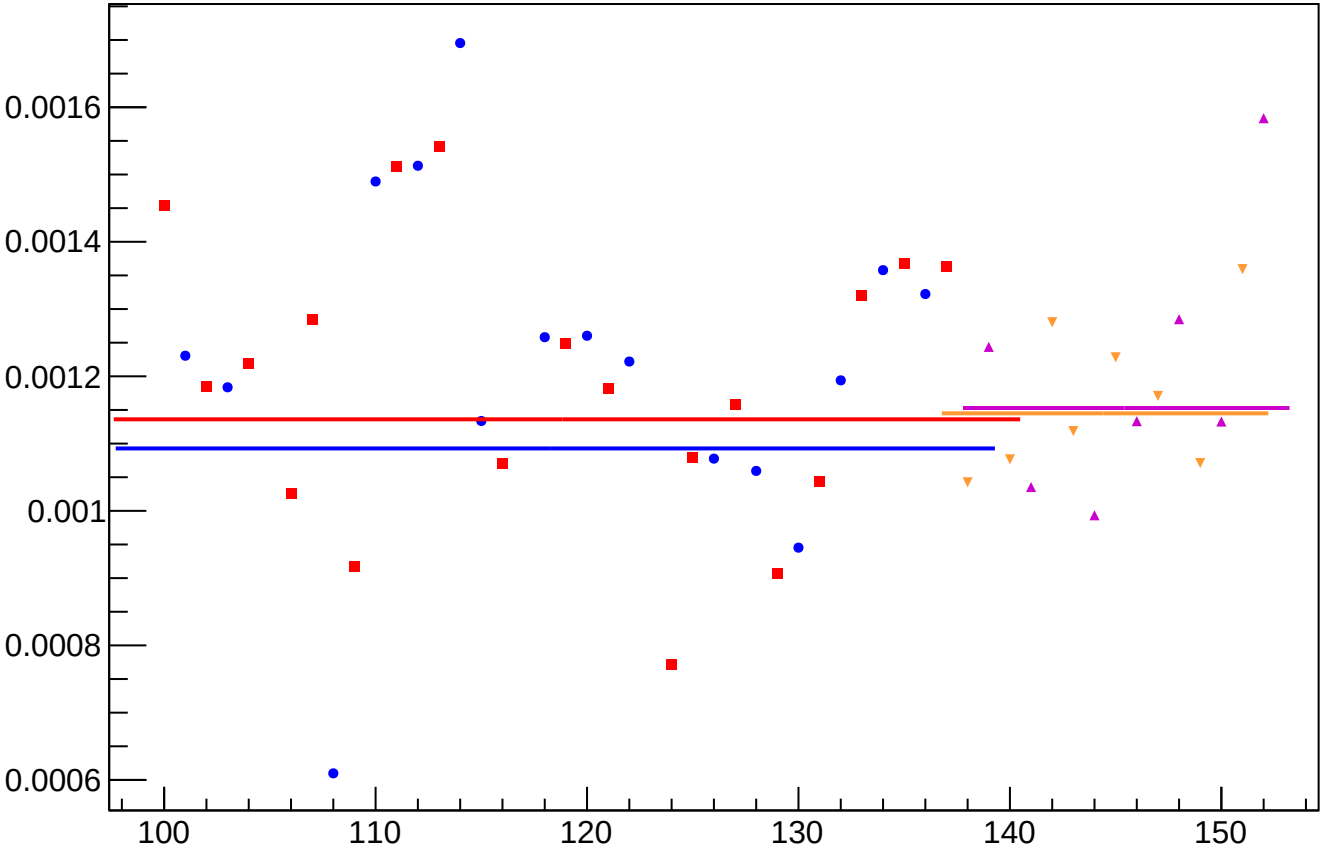
Left In: -0.000+/-0.000 χ^2/NDF:1.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 41.0/23

All: 0.000+/-0.000 χ^2/NDF: 58.4/49

- sign 0.000+/-0.000 χ^2/NDF: 16.8/25

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 831840.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:89988.8/7

Right Out: 0.001+/-0.000 χ^2/NDF: 407257.8/18

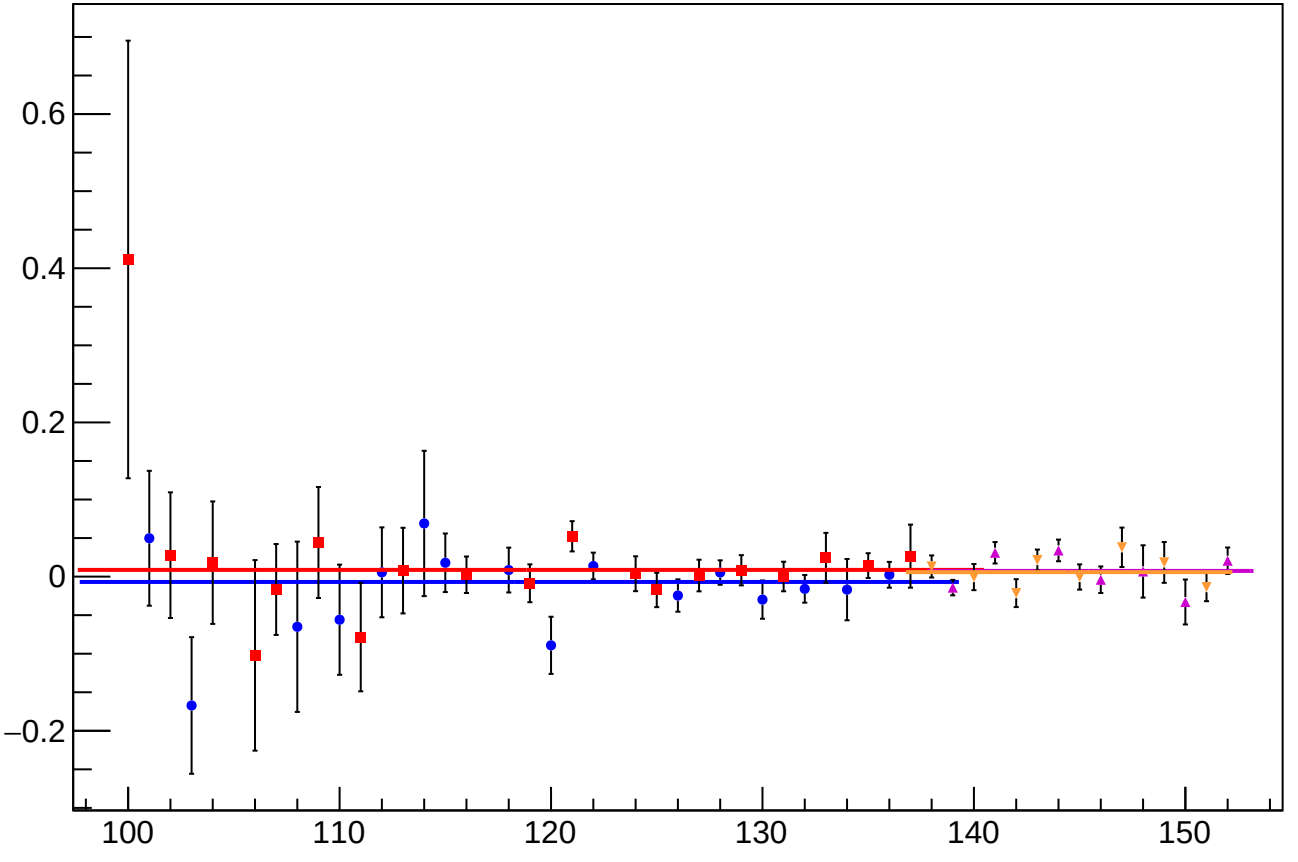
Left In: 0.001+/-0.000 χ^2/NDF:222632.9/6

+ sign 0.001+/-0.000 χ^2/NDF: 935756.1/23

All: 0.001+/-0.000 χ^2/NDF: 1574610.6/49

- sign 0.001+/-0.000 χ^2/NDF: 631297.0/25

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.006 χ^2/NDF:7.1/7

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

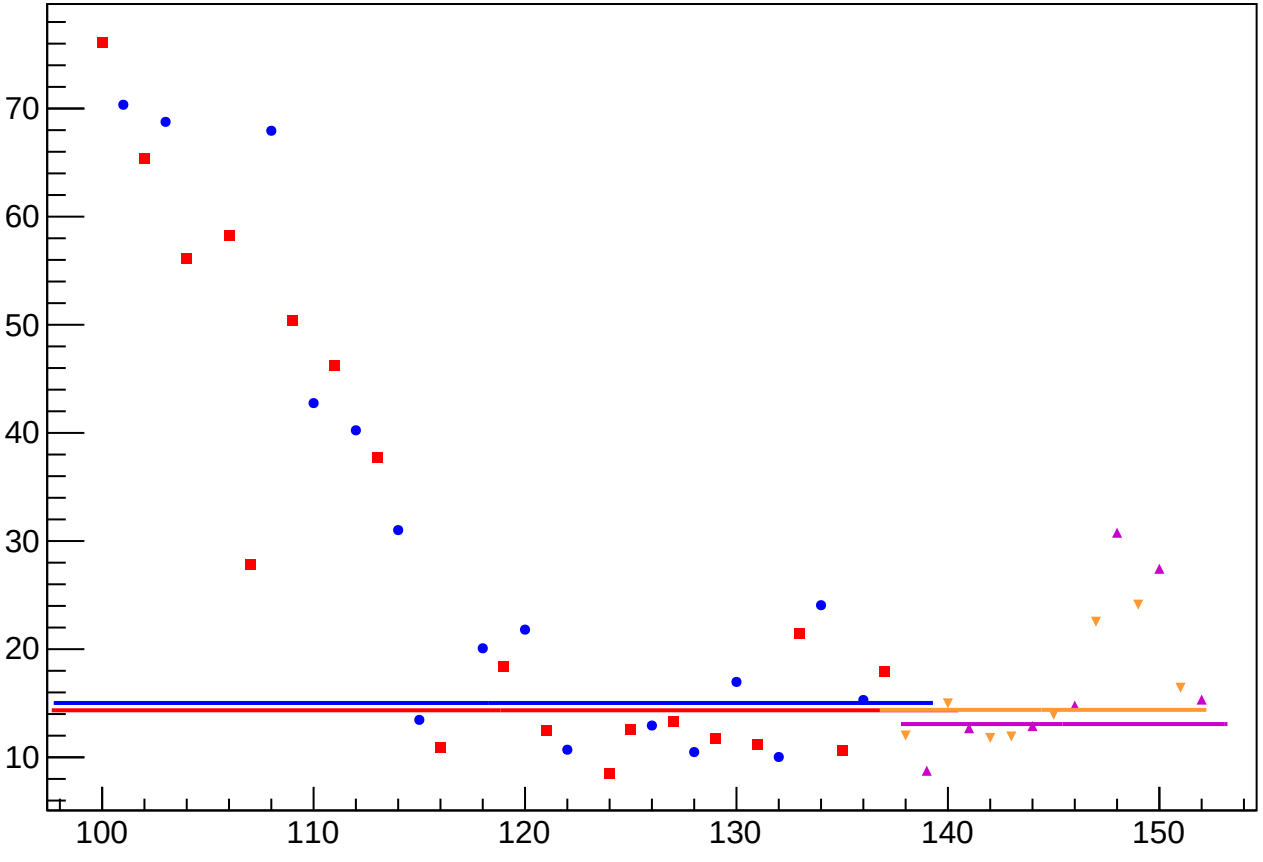
Left In: 0.007+/-0.006 χ^2/NDF:14.0/6

+ sign 0.000+/-0.005 χ^2/NDF: 24.0/23

All: 0.004+/-0.003 χ^2/NDF: 52.3/49

- sign 0.008+/-0.004 χ^2/NDF: 26.7/25

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.388+/-0.004 χ^2/NDF:663674.3/7

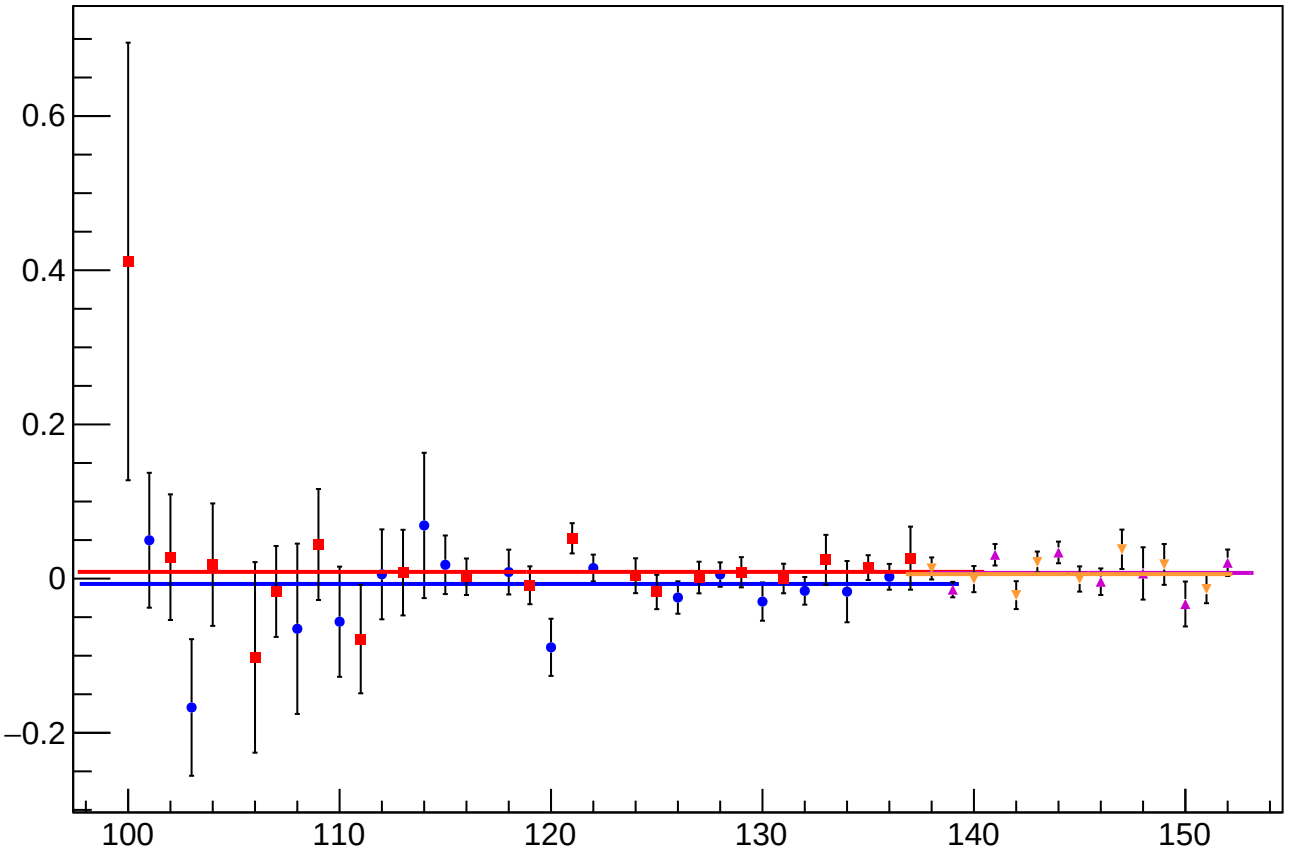
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.075+/-0.004 χ^2/NDF:1456428.4/6

+ sign 14.678+/-0.003 χ^2/NDF: 4111728.2/23

All: 14.143+/-0.002 χ^2/NDF: 9293142.8/49

- sign 13.658+/-0.003 χ^2/NDF: 5128516.0/25



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.006 χ^2/NDF:7.1/7

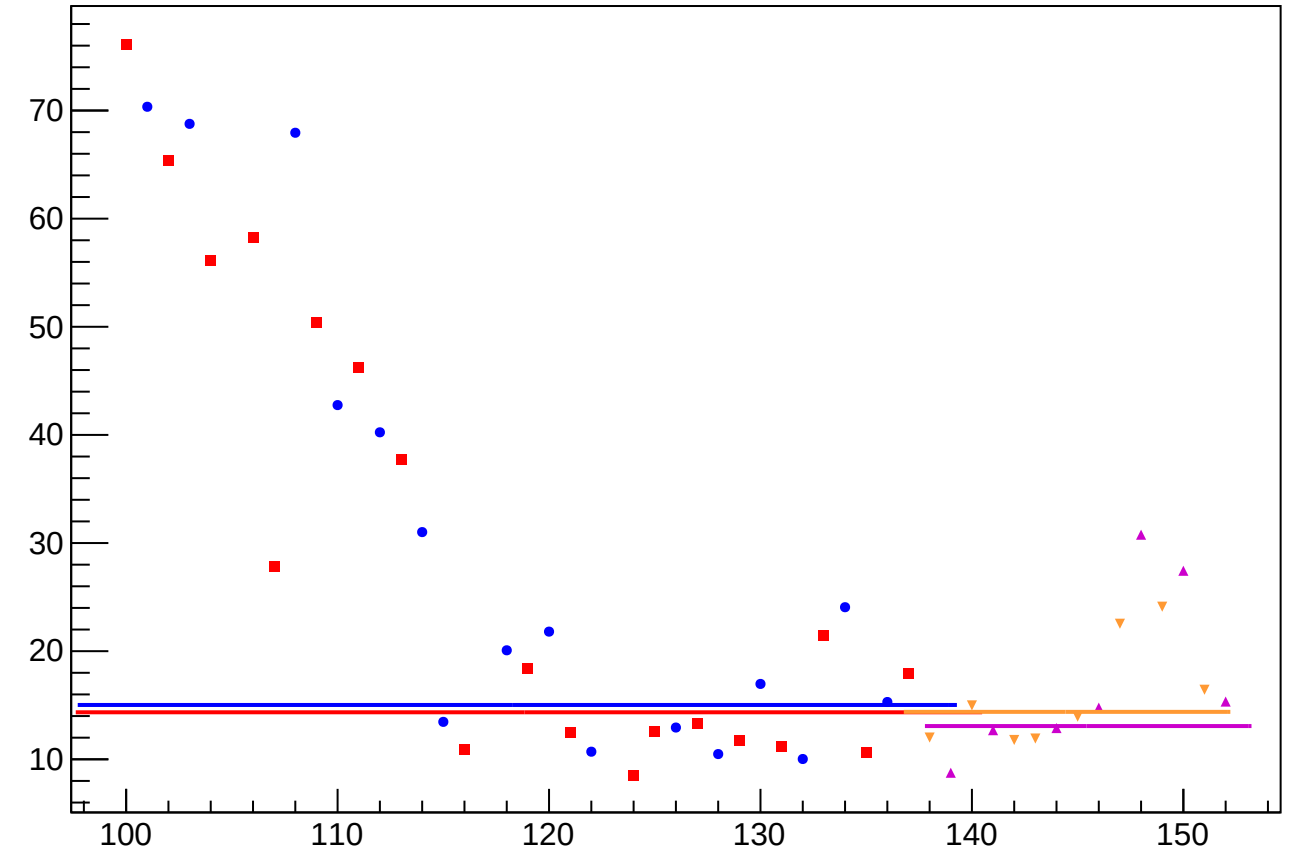
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.007+/-0.006 χ^2/NDF:14.0/6

+ sign 0.000+/-0.005 χ^2/NDF: 24.0/23

All: 0.004+/-0.003 χ^2/NDF: 52.3/49

- sign 0.008+/-0.004 χ^2/NDF: 26.7/25



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.388+/-0.004 χ^2/NDF:663674.3/7

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

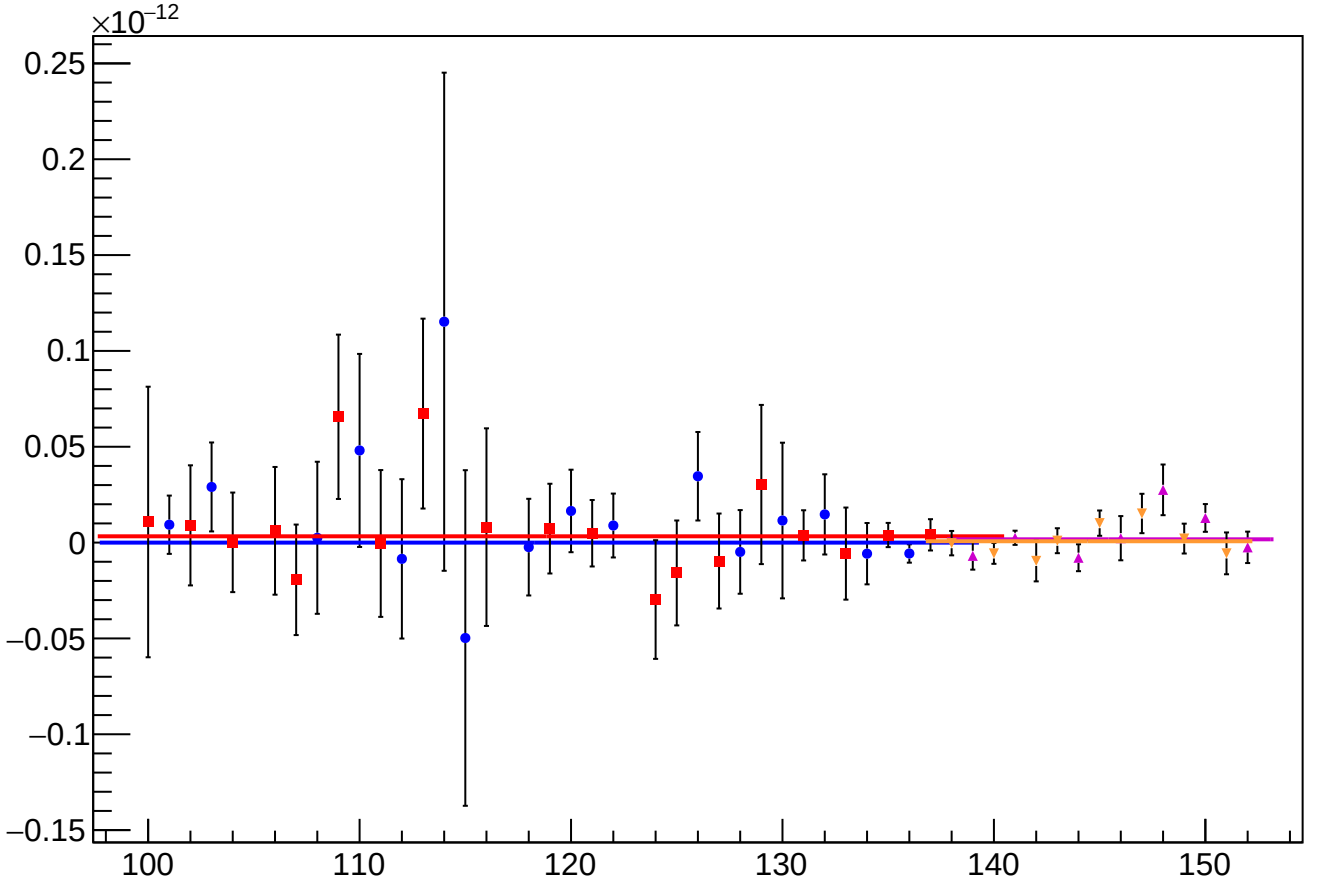
Left In: 13.075+/-0.004 χ^2/NDF:1456428.4/6

+ sign 14.678+/-0.003 χ^2/NDF: 4111728.2/23

All: 14.143+/-0.002 χ^2/NDF: 9293142.8/49

- sign 13.658+/-0.003 χ^2/NDF: 5128516.0/25

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

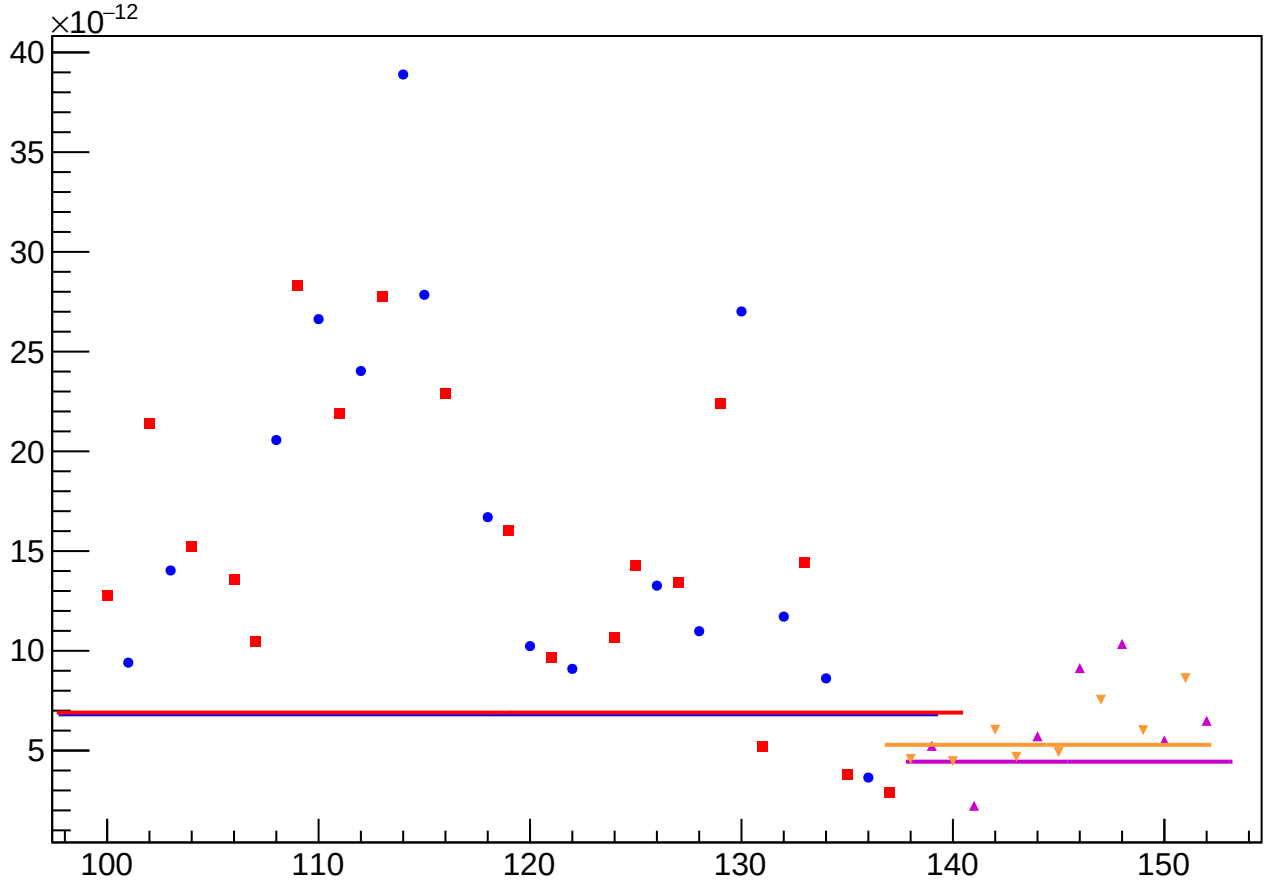
Left In: 0.000+/-0.000 χ^2/NDF:9.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 16.1/23

All: 0.000+/-0.000 χ^2/NDF: 33.3/49

- sign 0.000+/-0.000 χ^2/NDF: 16.9/25

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:405622.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

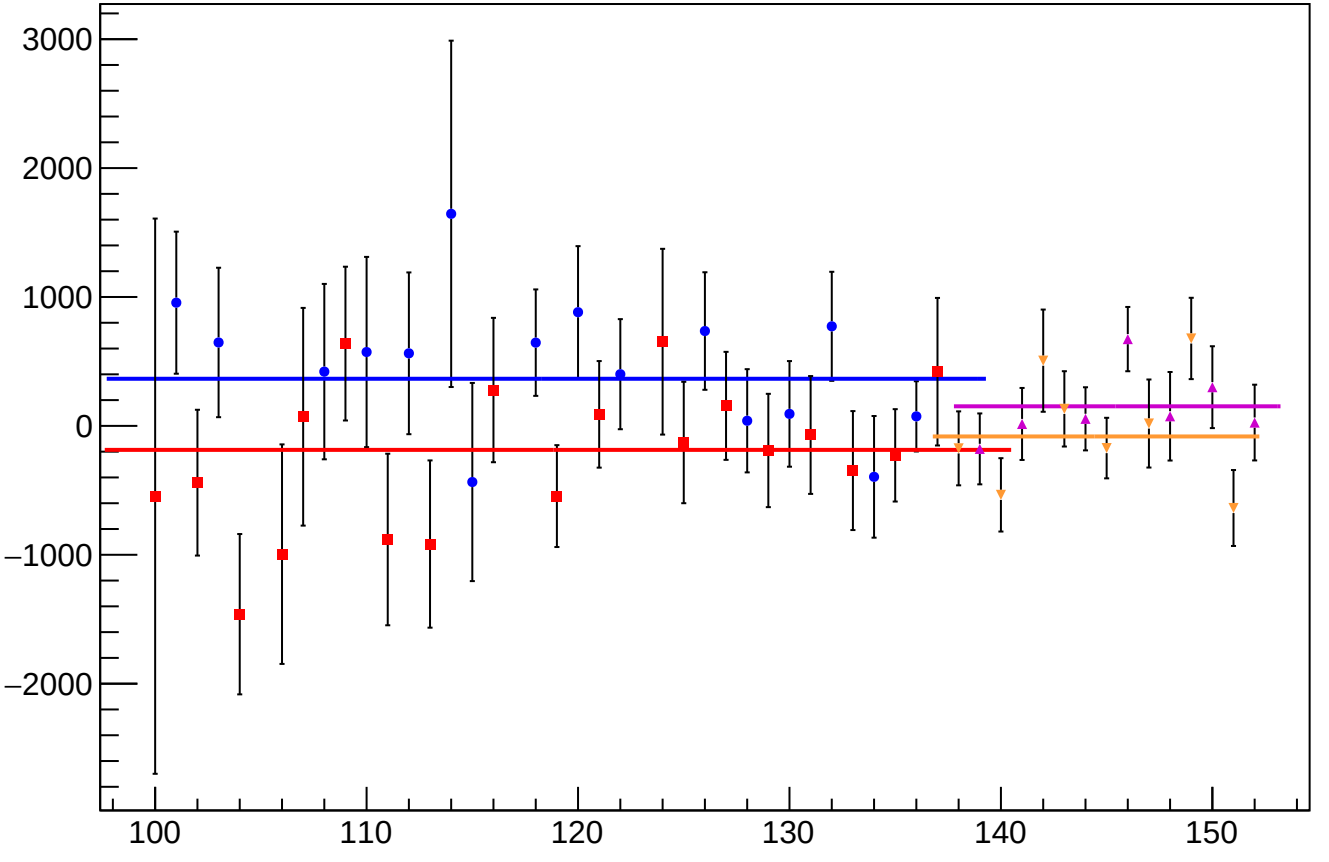
Left In: 0.000+/-0.000 χ^2/NDF:1700452.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 4138990.3/23

All: 0.000+/-0.000 χ^2/NDF: 10721766.2/49

- sign 0.000+/-0.000 χ^2/NDF: 6495765.0/25

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -82.019+/-104.918 χ^2/NDF:15.0/7

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

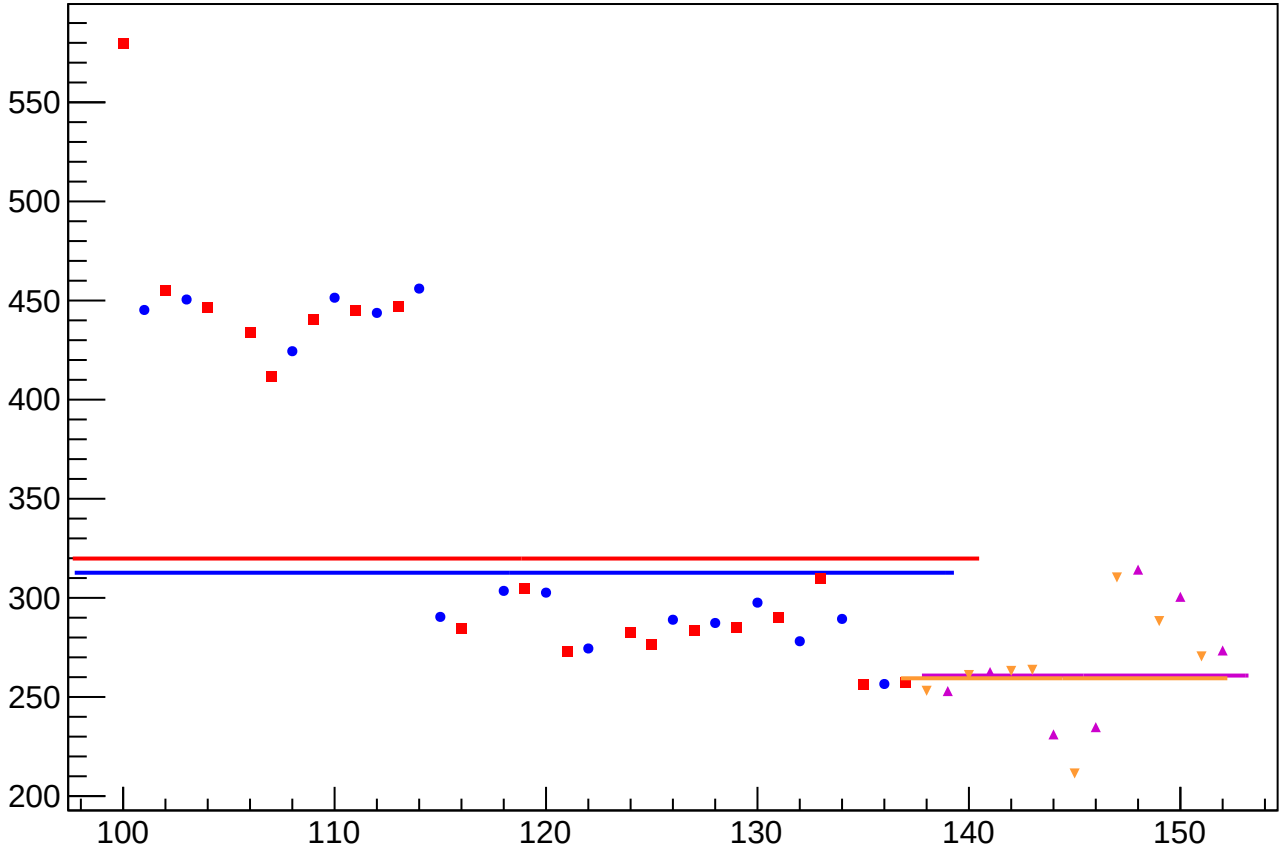
Left In: 151.870+/-106.134 χ^2/NDF:6.7/6

+ sign 113.961+/-78.662 χ^2/NDF: 34.4/23

All: 59.489+/-55.935 χ^2/NDF: 61.5/49

- sign 3.773+/-79.555 χ^2/NDF: 26.1/25

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 259.433+/-0.074 χ^2/NDF:149131.5/7

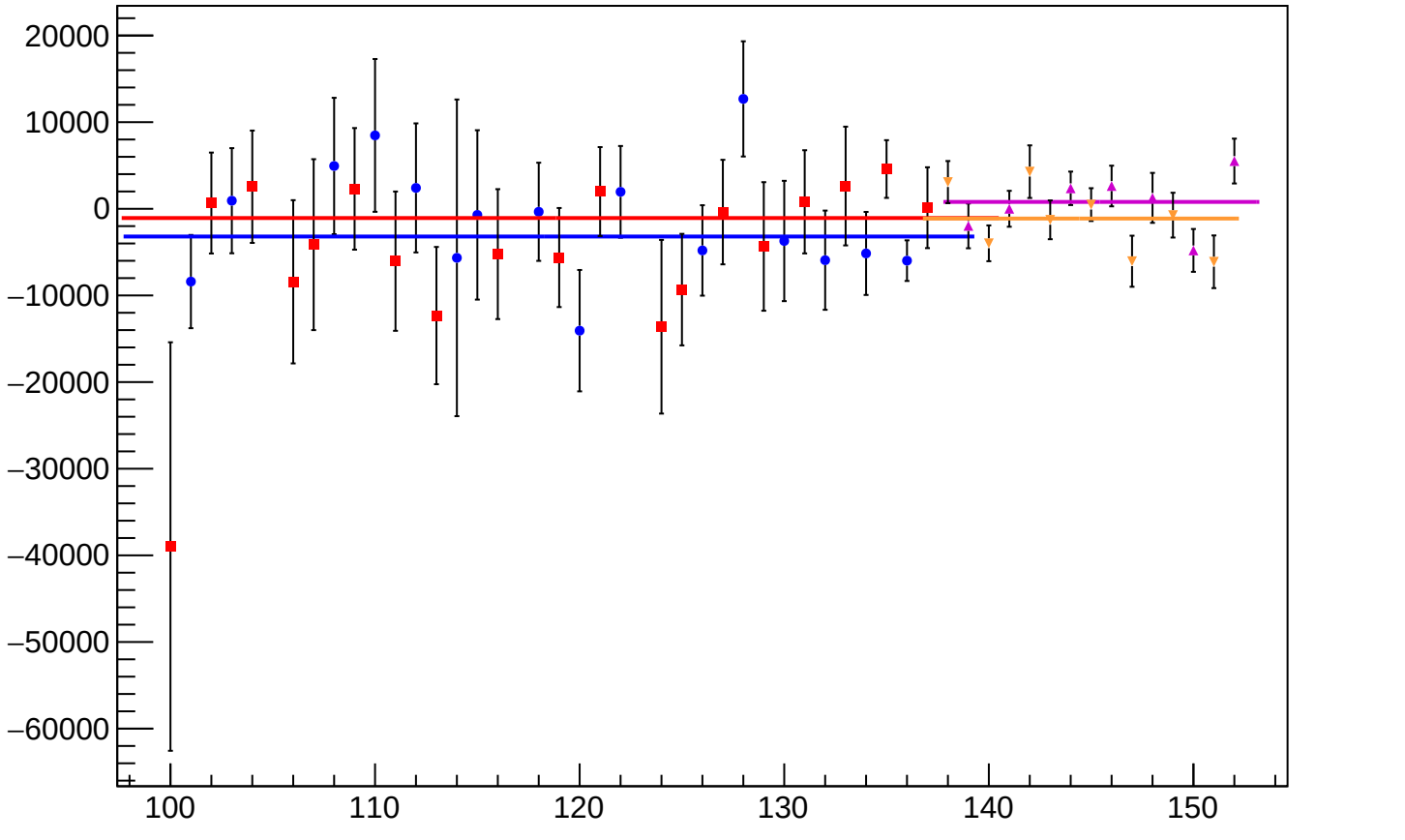
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 260.808+/-0.075 χ^2/NDF:136299.3/6

+ sign 282.750+/-0.056 χ^2/NDF: 976929.7/23

All: 284.689+/-0.040 χ^2/NDF: 2084660.1/49

- sign 286.673+/-0.056 χ^2/NDF: 1105272.1/25



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1124.091+/-856.435 χ^2/NDF:14.3/7

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

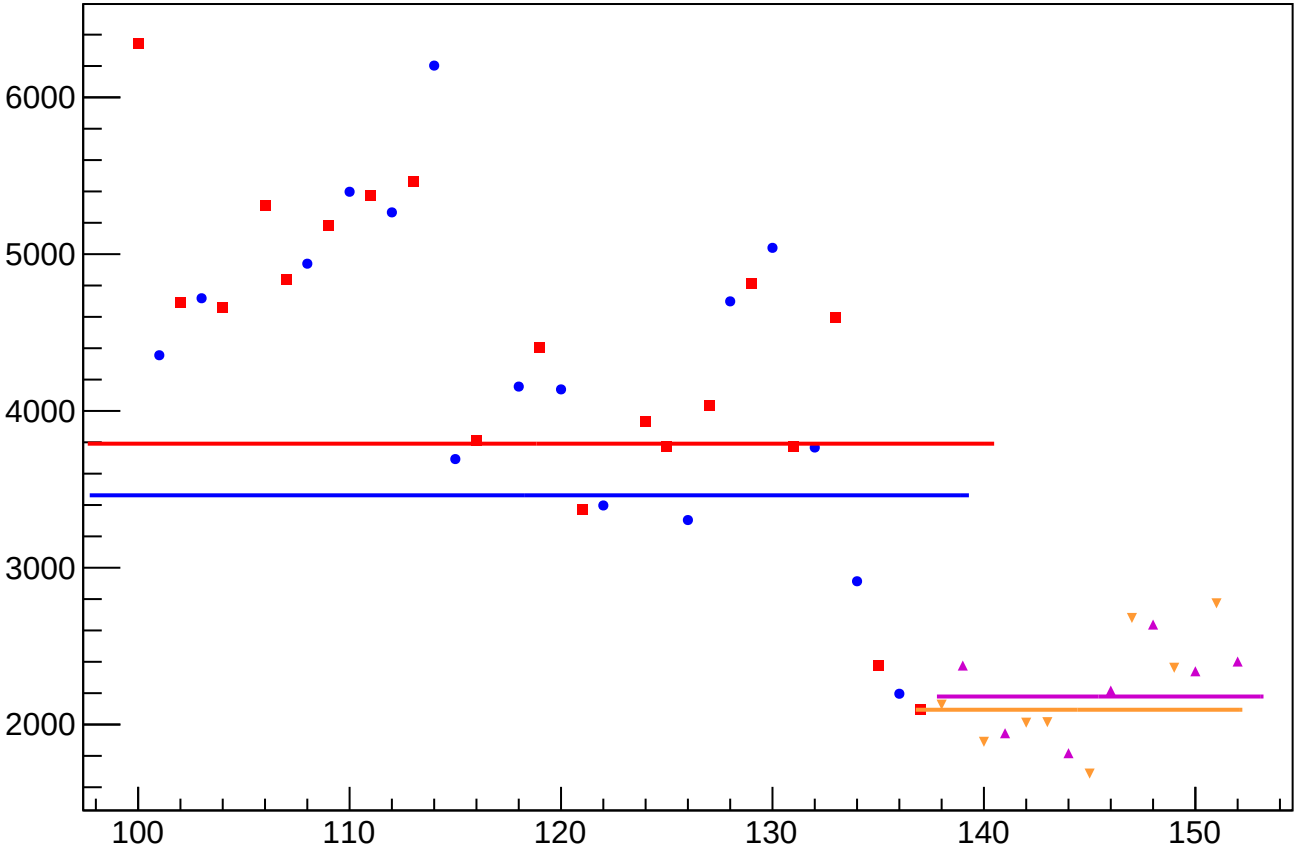
Left In: 795.065+/-888.999 χ^2/NDF:11.0/6

+ sign -1717.055+/-723.769 χ^2/NDF: 32.1/23

All: -761.699+/-523.115 χ^2/NDF: 62.4/49

- sign 283.221+/-756.936 χ^2/NDF: 26.6/25

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2094.255+/-0.606 χ^2/NDF:316314.6/7

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

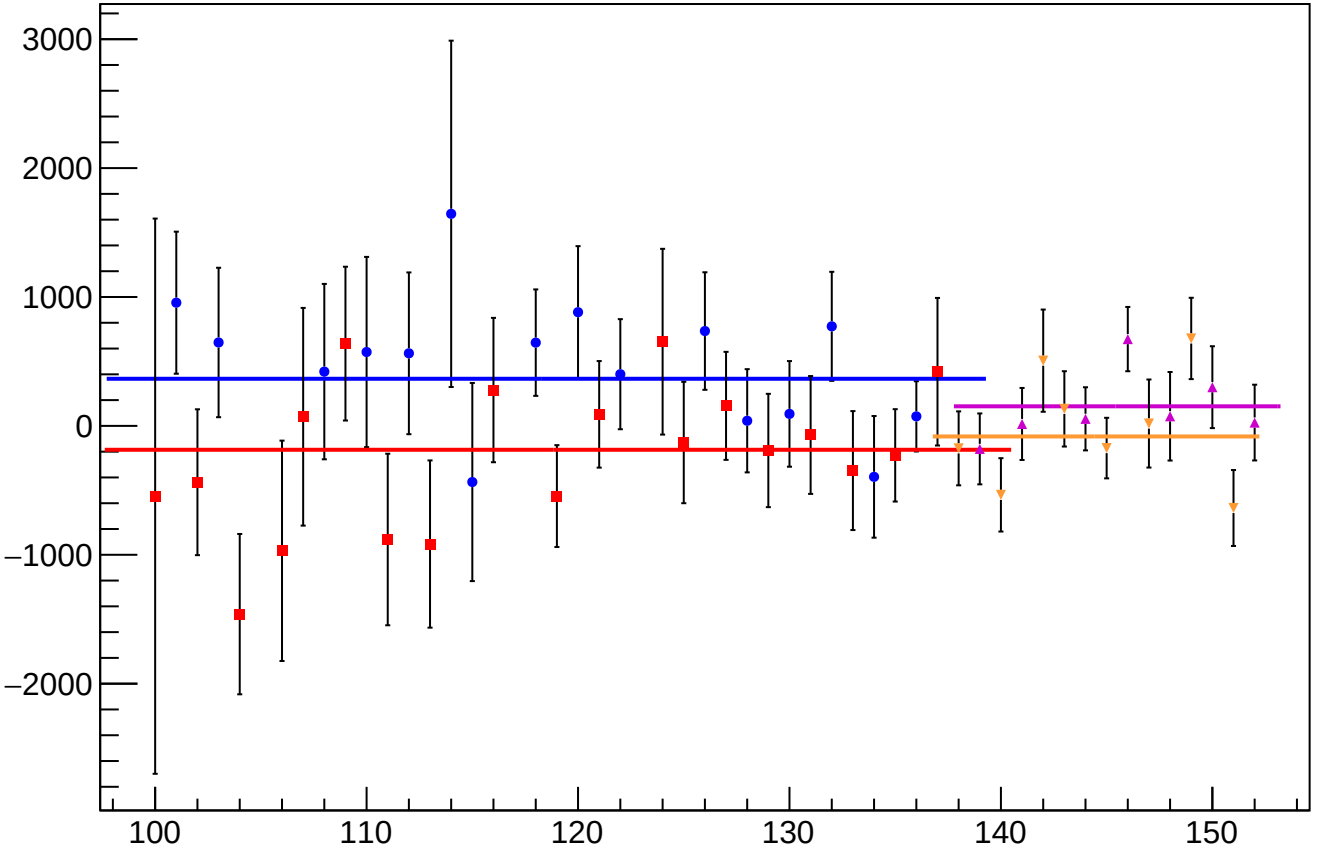
Left In: 2178.642+/-0.629 χ^2/NDF:181866.7/6

+ sign 2485.154+/-0.512 χ^2/NDF: 3083661.2/23

All: 2550.588+/-0.370 χ^2/NDF: 6265398.6/49

- sign 2622.156+/-0.535 χ^2/NDF: 3147511.3/25

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -82.016+/-104.918 χ^2/NDF:15.0/7

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

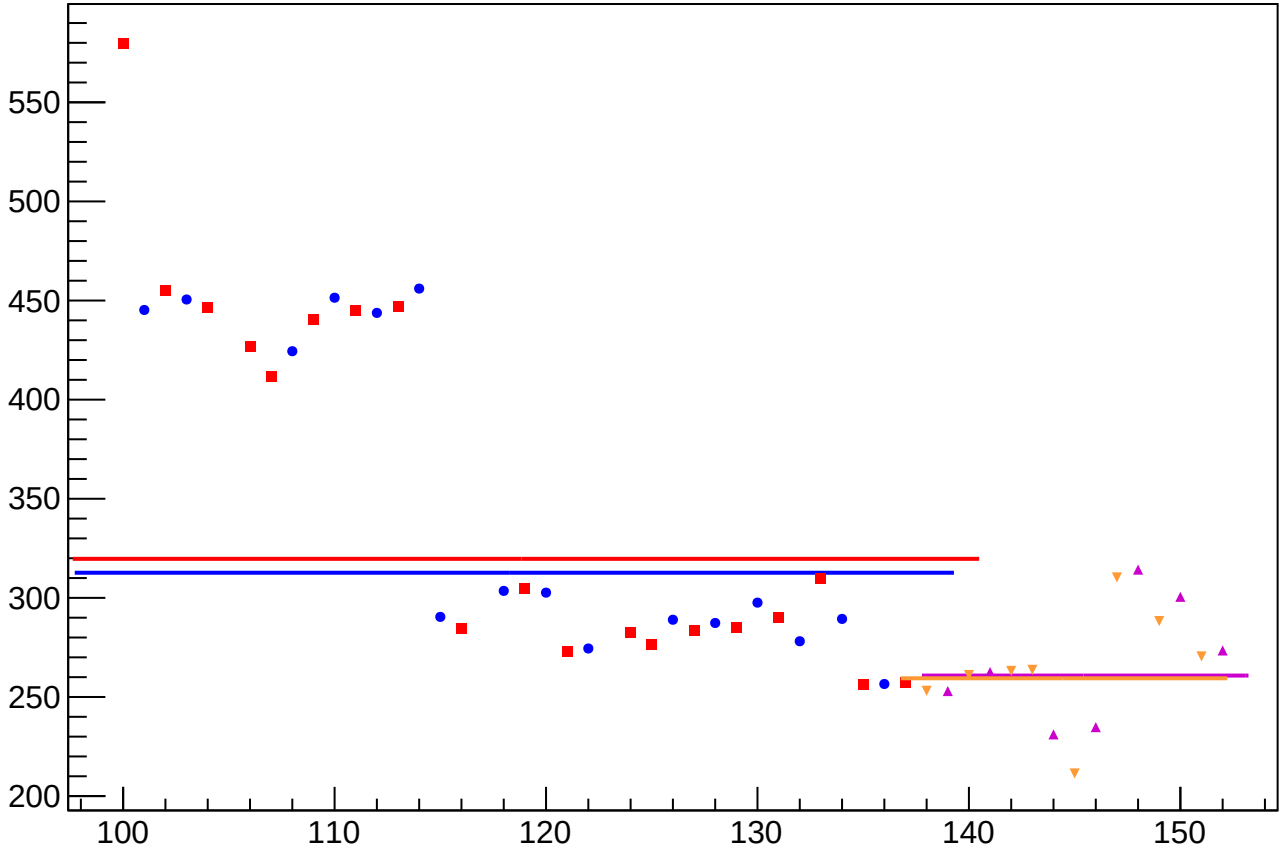
Left In: 151.864+/-106.134 χ^2/NDF:6.7/6

+ sign 113.955+/-78.662 χ^2/NDF: 34.4/23

All: 59.670+/-55.937 χ^2/NDF: 61.4/49

- sign 4.140+/-79.558 χ^2/NDF: 26.0/25

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.433+/-0.074 χ^2/NDF:149131.5/7

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

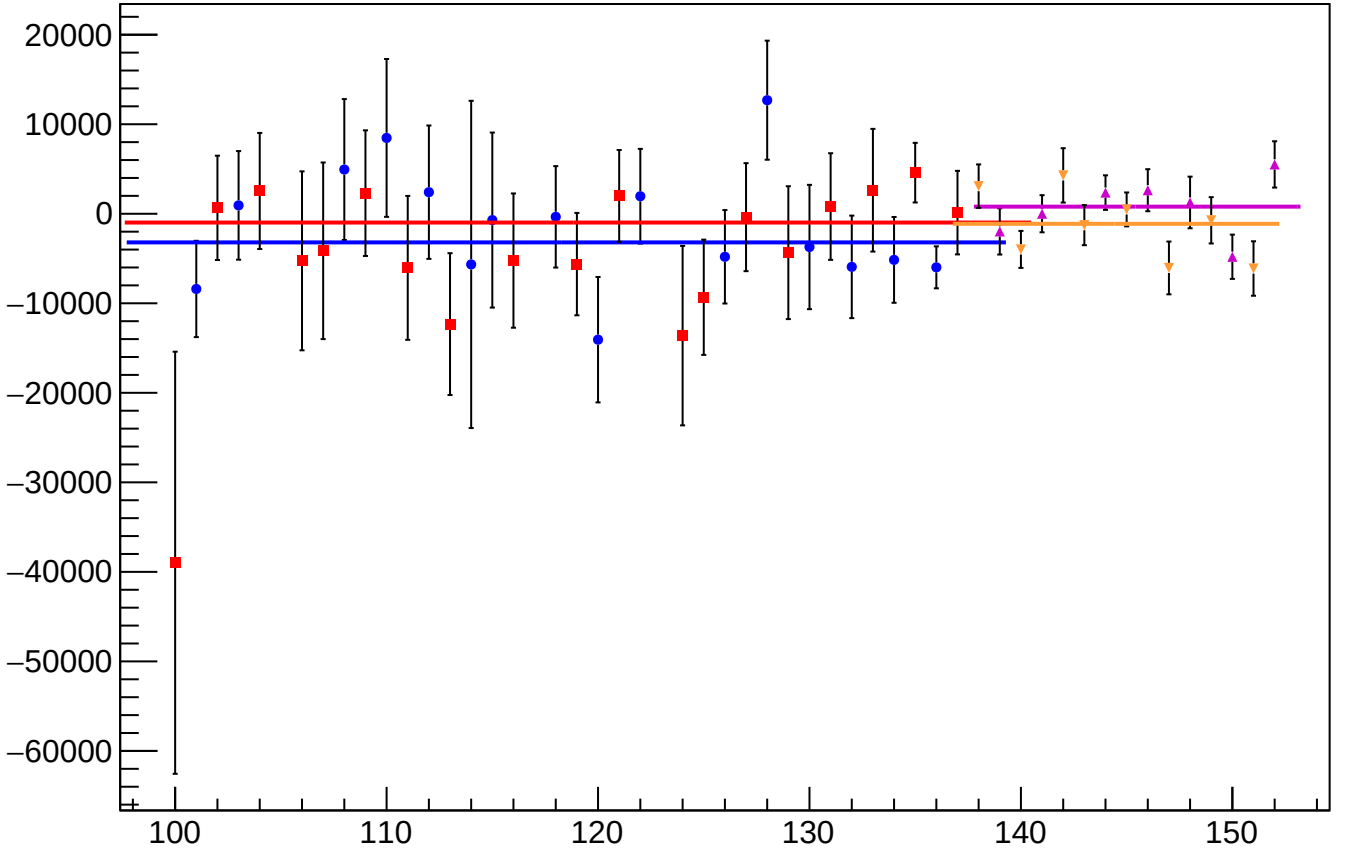
Left In: 260.808+/-0.075 χ^2/NDF:136299.3/6

+ sign 282.750+/-0.056 χ^2/NDF: 976931.3/23

All: 284.656+/-0.040 χ^2/NDF: 2079026.7/49

- sign 286.605+/-0.056 χ^2/NDF: 1099721.3/25

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1124.084+/-856.435 χ^2/NDF:14.3/7

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

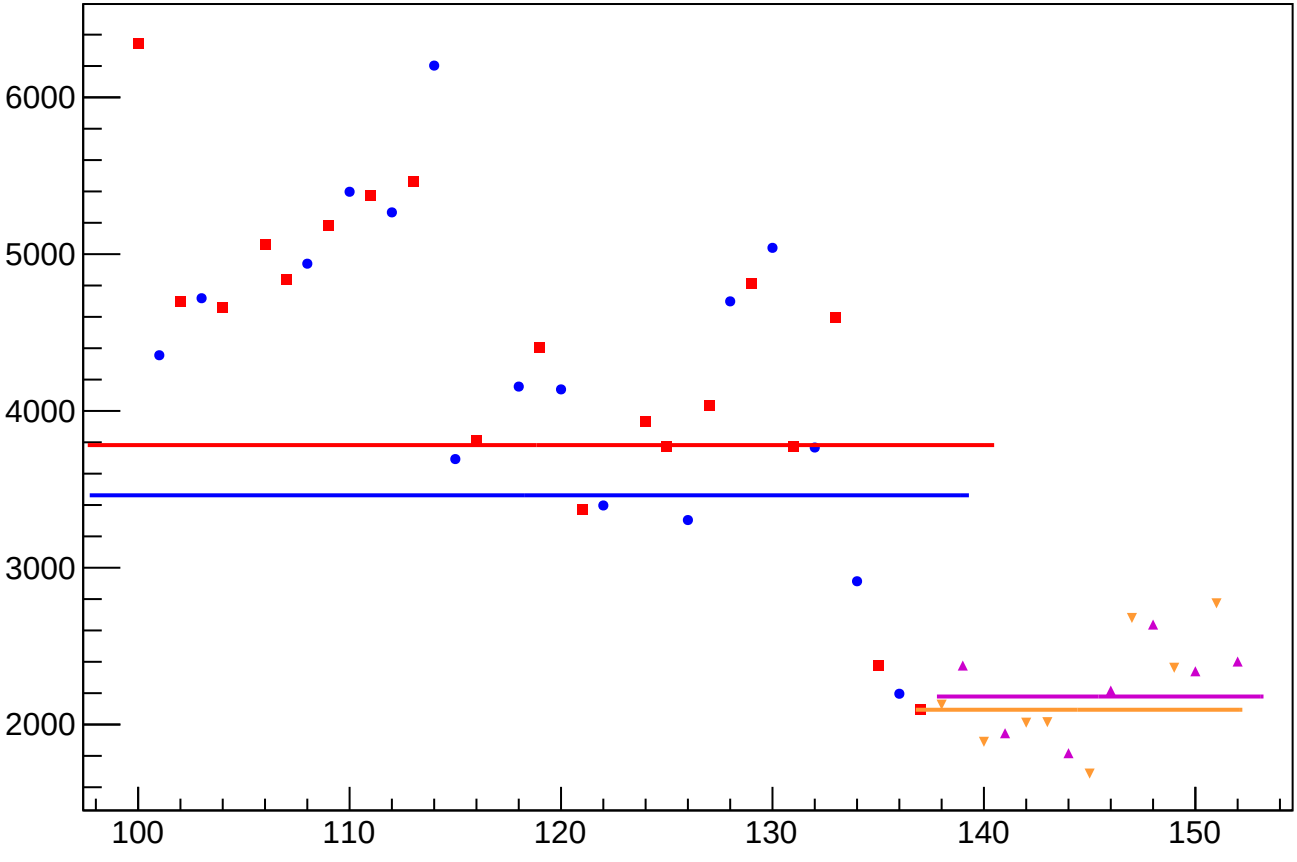
Left In: 795.049+/-888.999 χ^2/NDF:11.0/6

+ sign -1717.028+/-723.770 χ^2/NDF: 32.1/23

All: -750.443+/-523.207 χ^2/NDF: 61.9/49

- sign 307.538+/-757.216 χ^2/NDF: 26.1/25

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2094.254+/-0.606 χ^2/NDF:316315.3/7

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

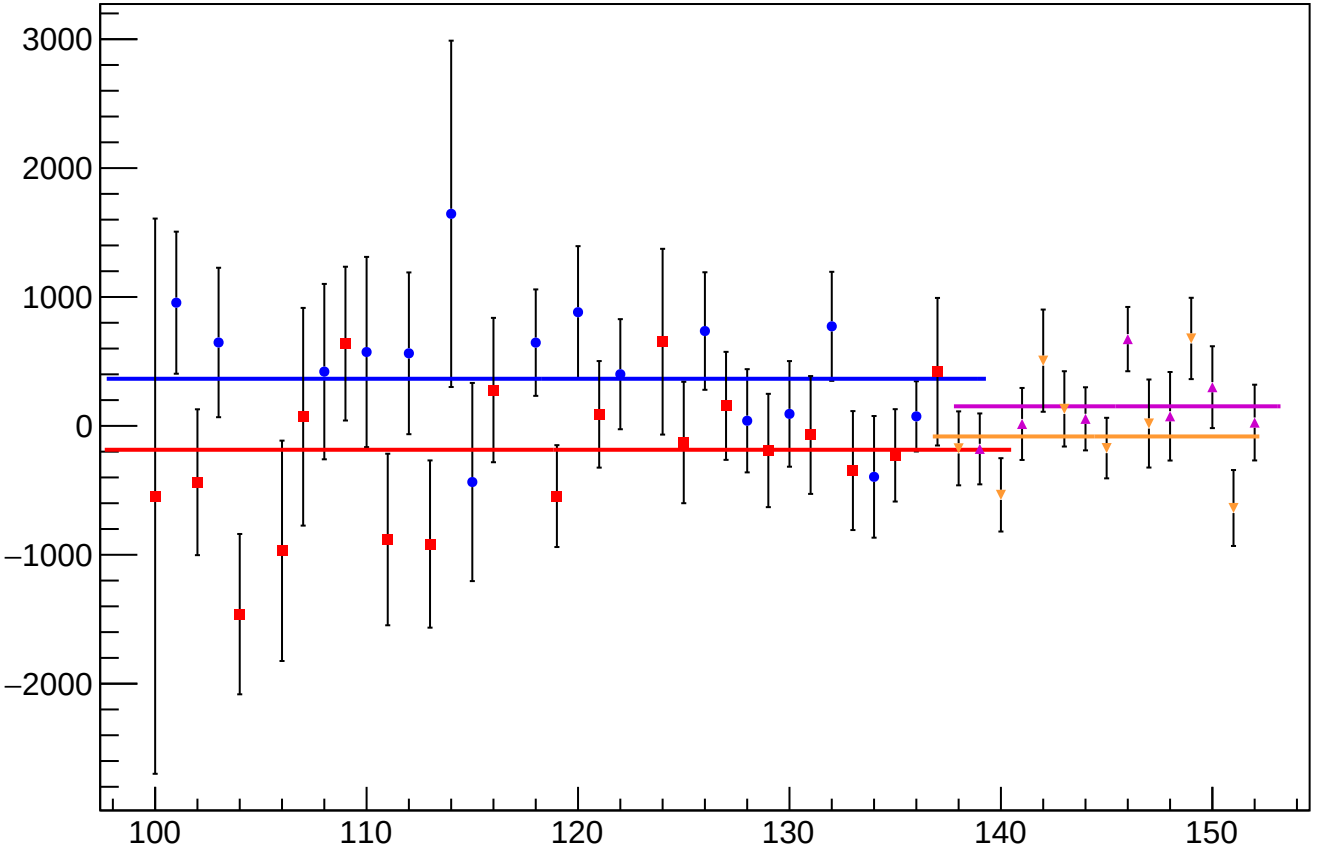
Left In: 2178.643+/-0.629 χ^2/NDF:181867.4/6

+ sign 2485.154+/-0.512 χ^2/NDF: 3083684.7/23

All: 2548.967+/-0.370 χ^2/NDF: 6220649.8/49

- sign 2618.815+/-0.535 χ^2/NDF: 3104400.2/25

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -82.016+/-104.918 χ^2/NDF:15.0/7

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

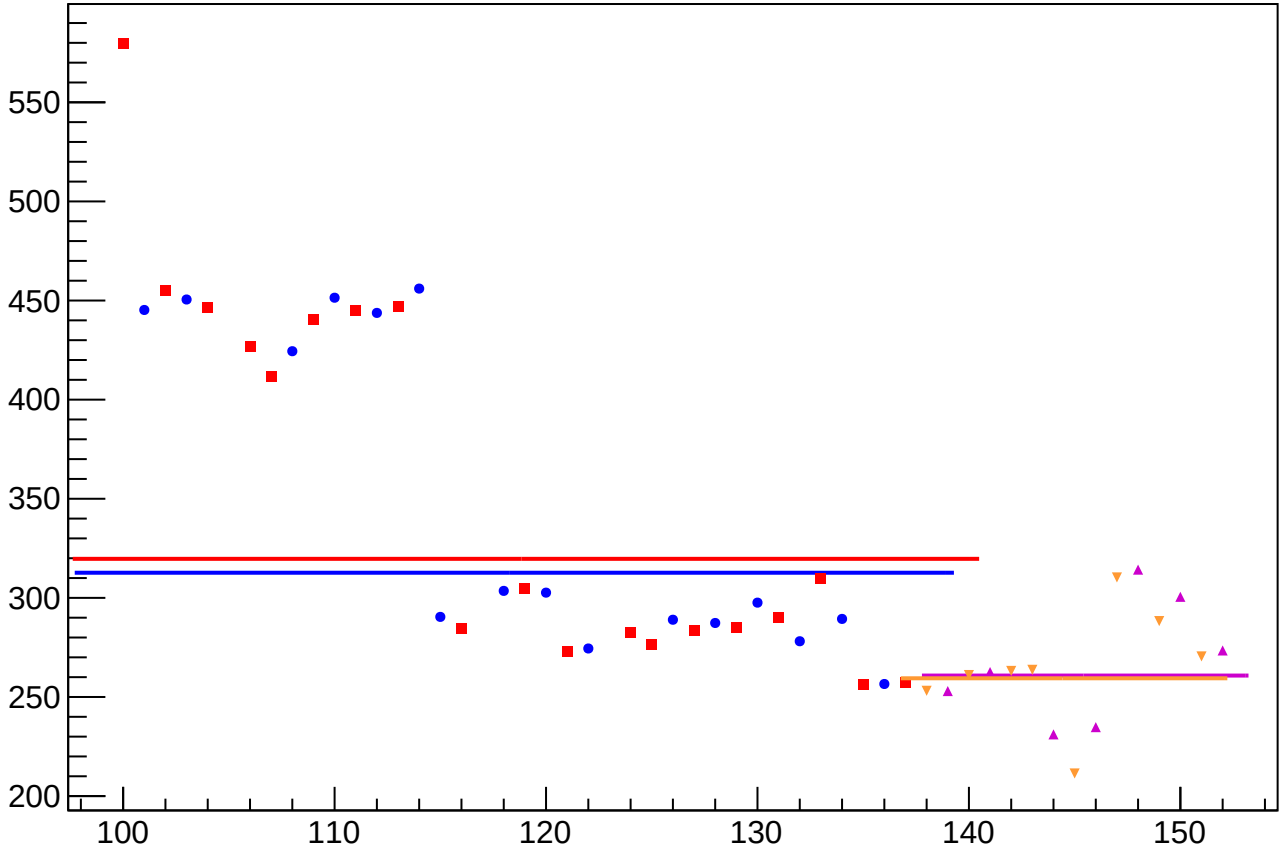
Left In: 151.864+/-106.134 χ^2/NDF:6.7/6

+ sign 113.955+/-78.662 χ^2/NDF: 34.4/23

All: 59.670+/-55.937 χ^2/NDF: 61.4/49

- sign 4.140+/-79.558 χ^2/NDF: 26.0/25

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.433+/-0.074 χ^2/NDF:149131.5/7

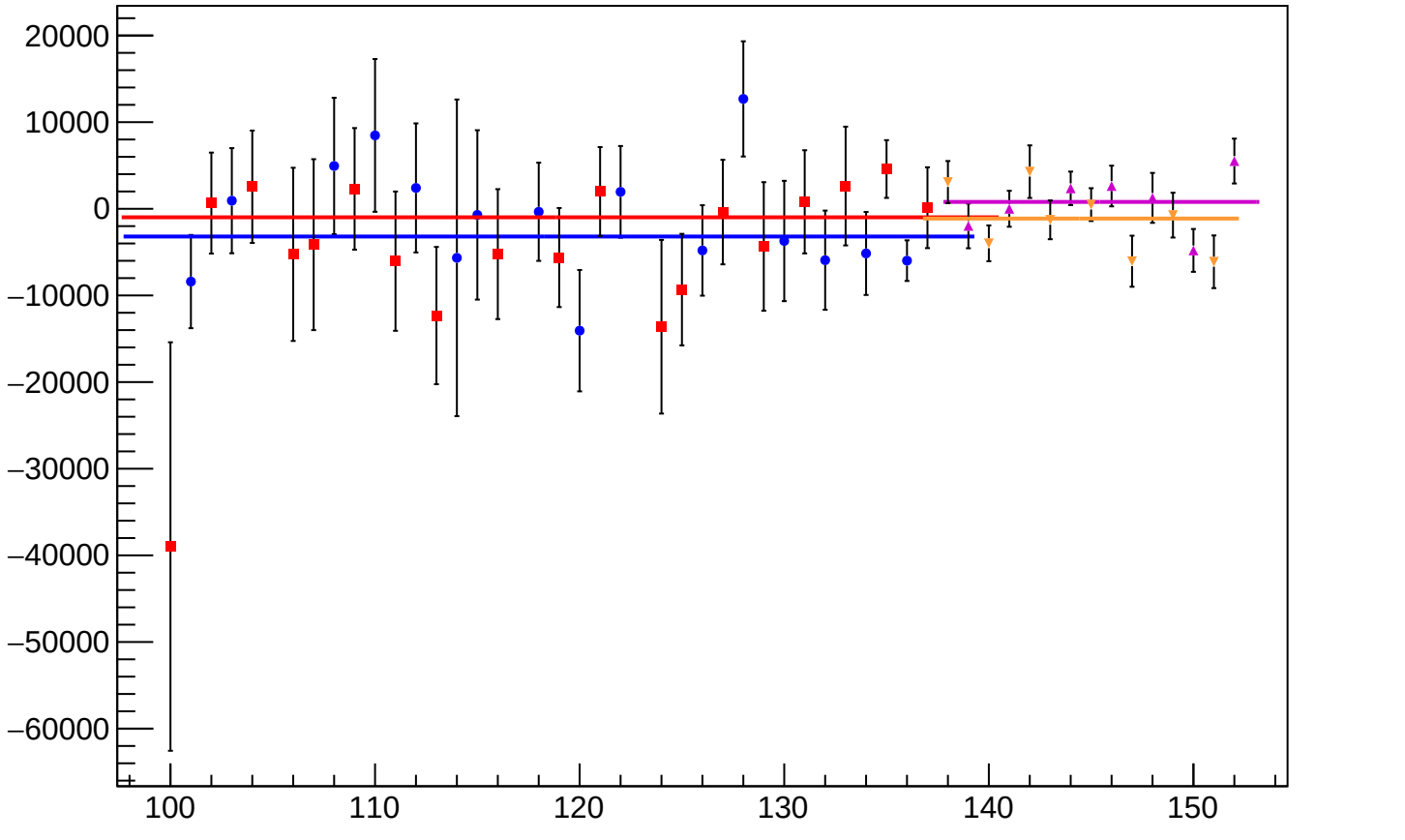
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 260.808+/-0.075 χ^2/NDF:136299.3/6

+ sign 282.750+/-0.056 χ^2/NDF: 976931.3/23

All: 284.656+/-0.040 χ^2/NDF: 2079026.7/49

- sign 286.605+/-0.056 χ^2/NDF: 1099721.3/25



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1124.084+/-856.435 χ^2/NDF:14.3/7

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

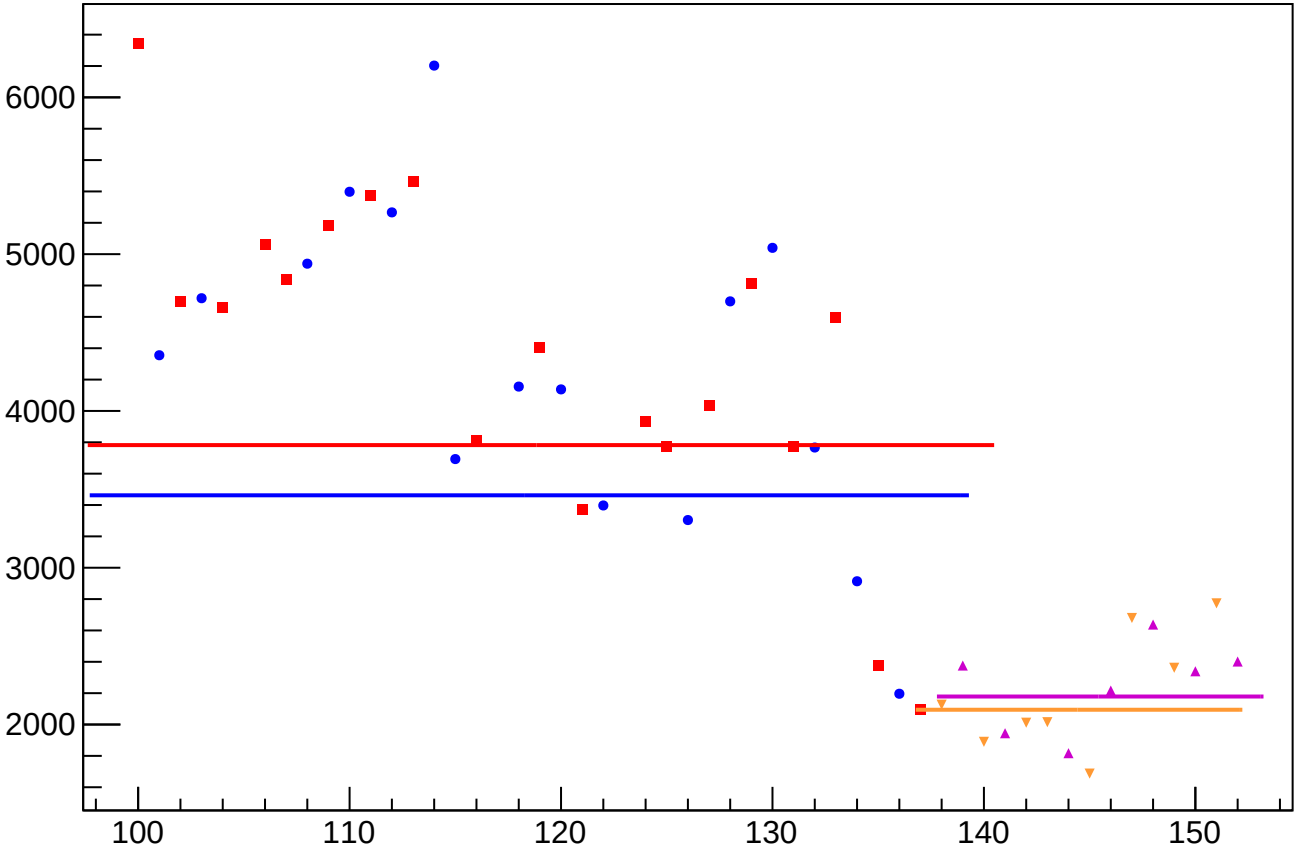
Left In: 795.049+/-888.999 χ^2/NDF:11.0/6

+ sign -1717.028+/-723.770 χ^2/NDF: 32.1/23

All: -750.443+/-523.207 χ^2/NDF: 61.9/49

- sign 307.538+/-757.216 χ^2/NDF: 26.1/25

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2094.254+/-0.606 χ^2/NDF:316315.3/7

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

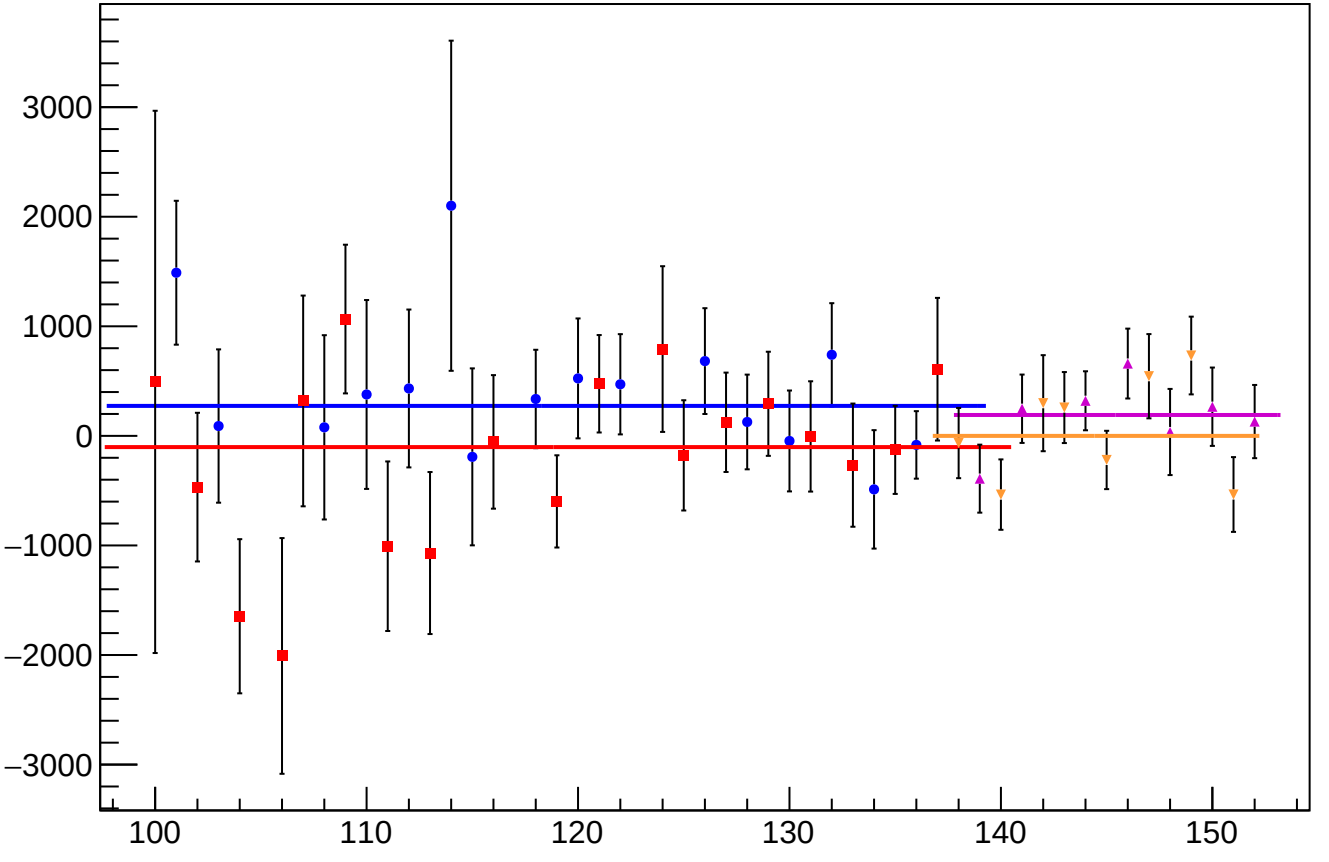
Left In: 2178.643+/-0.629 χ^2/NDF:181867.4/6

+ sign 2485.154+/-0.512 χ^2/NDF: 3083684.7/23

All: 2548.967+/-0.370 χ^2/NDF: 6220649.8/49

- sign 2618.815+/-0.535 χ^2/NDF: 3104400.2/25

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -0.116+/-118.202 χ^2/NDF:13.3/7

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

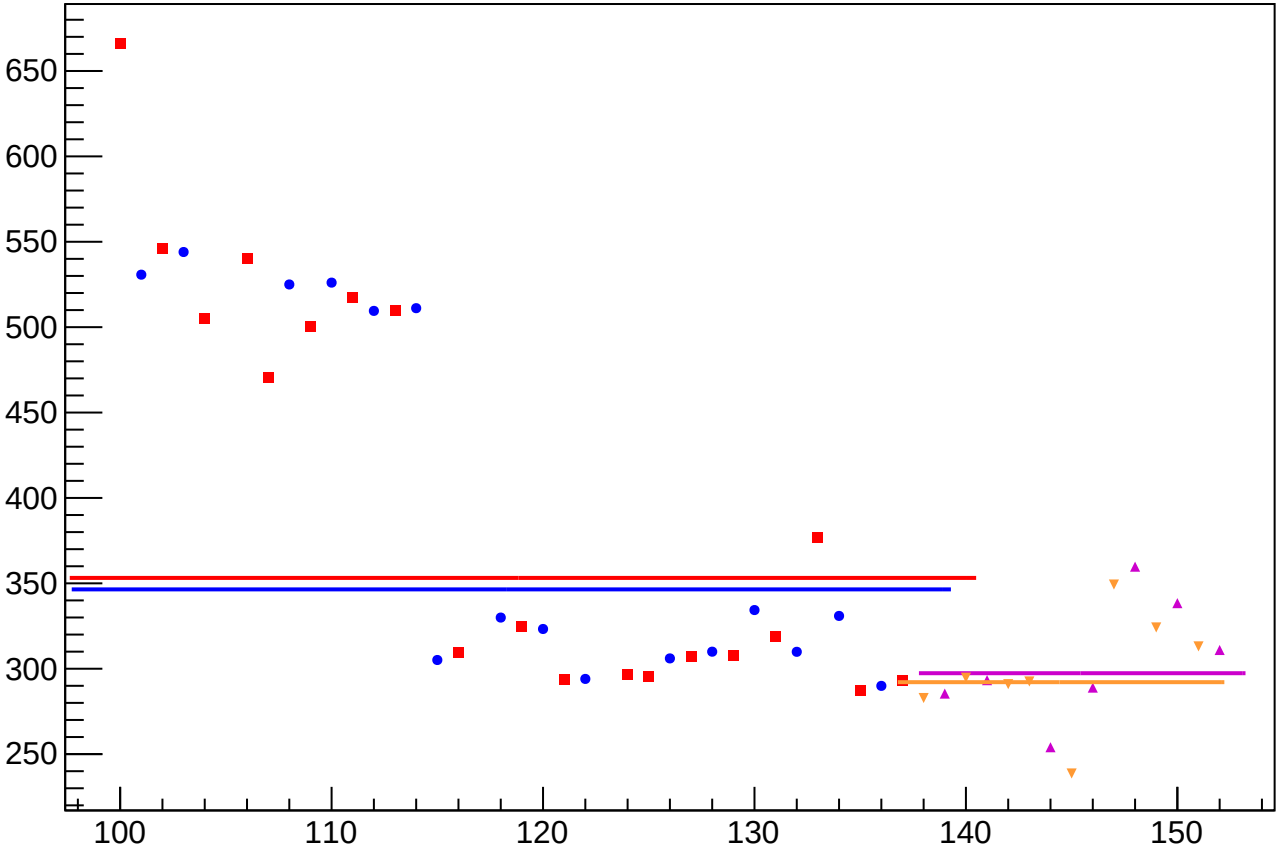
Left In: 190.656+/-121.681 χ^2/NDF:6.2/6

+ sign 121.134+/-88.216 χ^2/NDF: 27.2/23

All: 90.089+/-62.987 χ^2/NDF: 57.5/49

- sign 57.801+/-89.963 χ^2/NDF: 30.1/25

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 292.123+/-0.084 χ^2/NDF:150608.1/7

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

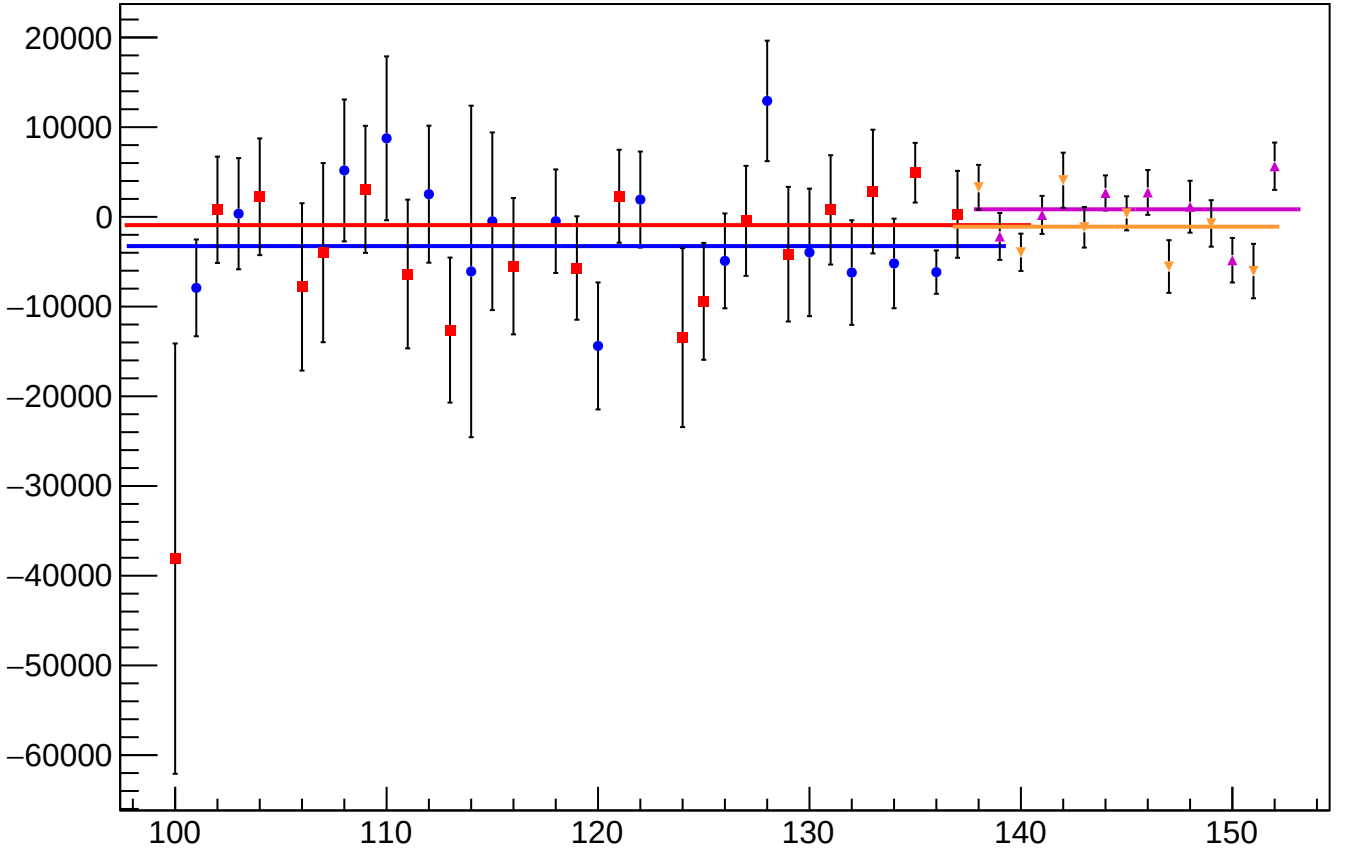
Left In: 297.374+/-0.086 χ^2/NDF:136519.6/6

+ sign 316.193+/-0.062 χ^2/NDF: 1106569.8/23

All: 319.370+/-0.045 χ^2/NDF: 2305460.1/49

- sign 322.675+/-0.064 χ^2/NDF: 1193597.2/25

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1095.771+/-862.528 χ^2/NDF:13.4/7

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

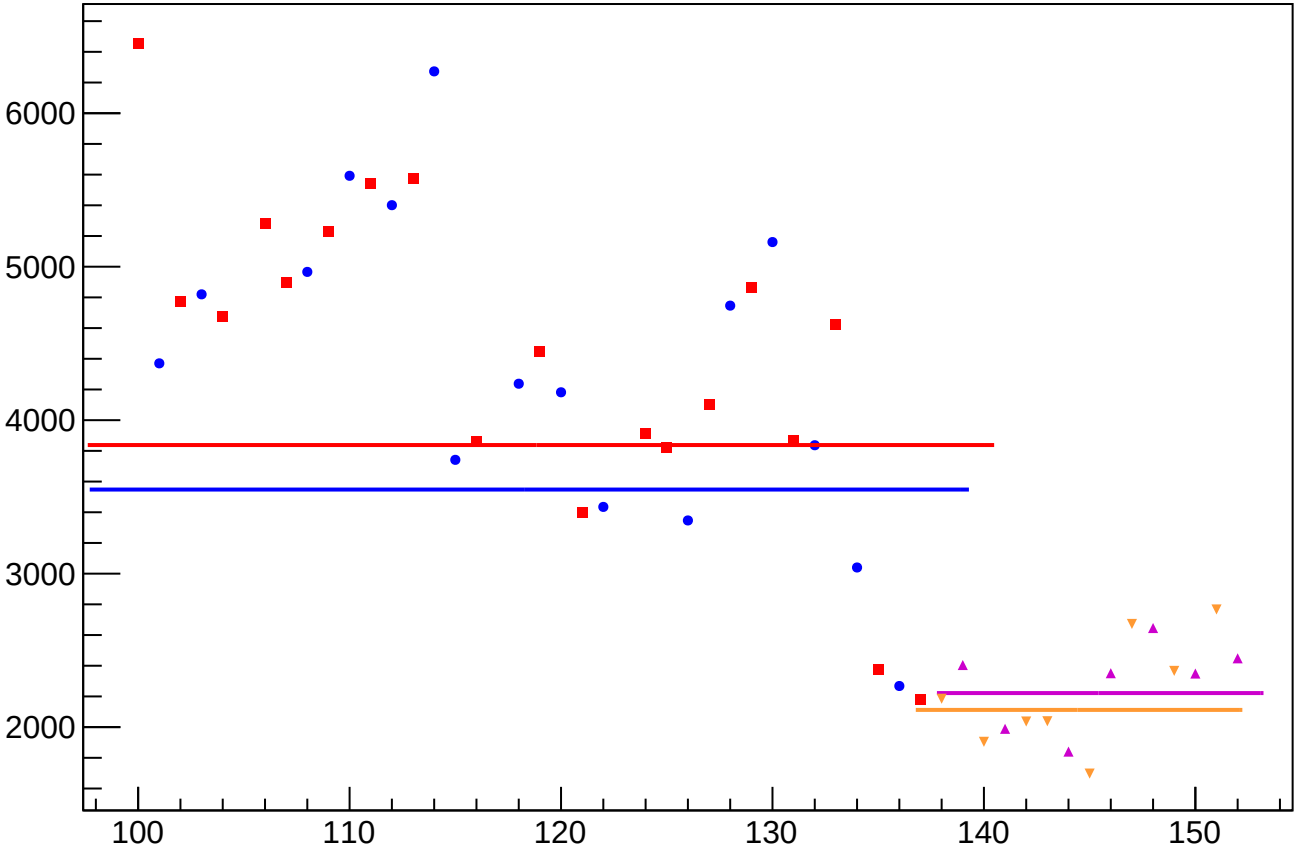
Left In: 843.649+/-906.723 χ^2/NDF:11.4/6

+ sign -1700.788+/-732.030 χ^2/NDF: 31.2/23

All: -726.382+/-530.661 χ^2/NDF: 62.0/49

- sign 352.774+/-770.373 χ^2/NDF: 27.1/25

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2112.204+/-0.610 χ^2/NDF:305500.0/7

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

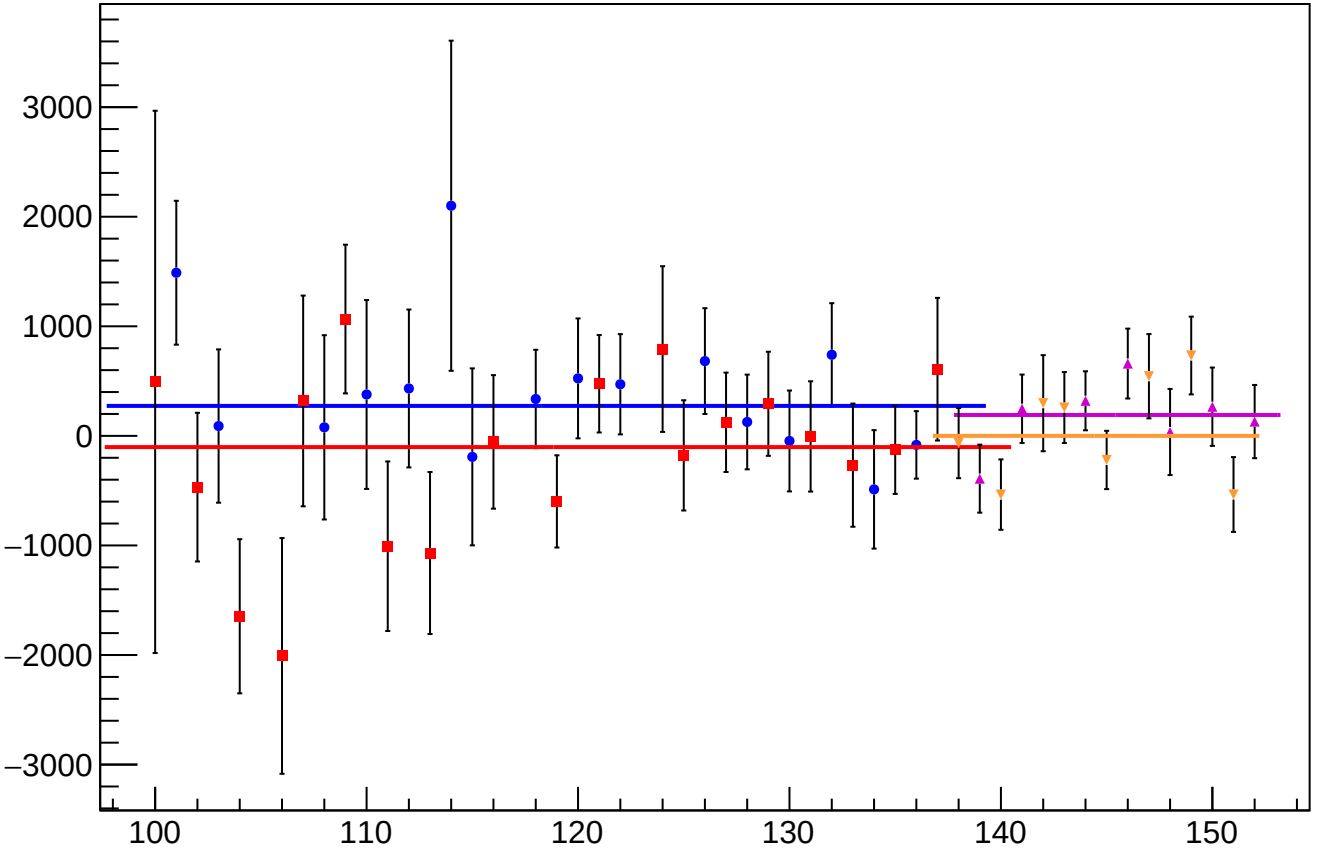
Left In: 2221.876+/-0.641 χ^2/NDF:178348.3/6

+ sign 2513.792+/-0.518 χ^2/NDF: 3114047.5/23

All: 2588.565+/-0.375 χ^2/NDF: 6259372.1/49

- sign 2671.377+/-0.545 χ^2/NDF: 3101347.0/25

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -0.120+/-118.202 χ^2/NDF:13.3/7

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

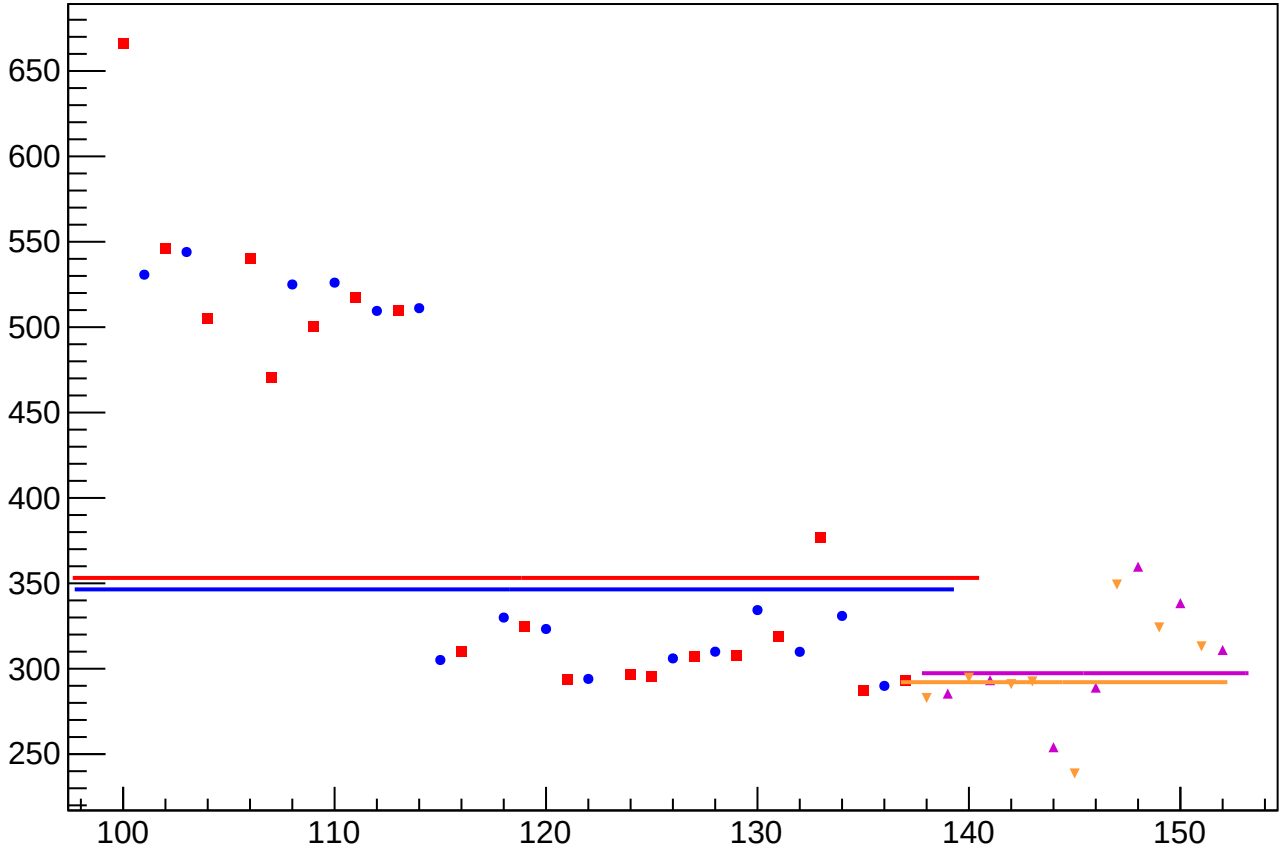
Left In: 190.659+/-121.682 χ^2/NDF:6.2/6

\+ sign 121.135+/-88.216 χ^2/NDF: 27.2/23

All: 90.090+/-62.986 χ^2/NDF: 57.5/49

\- sign 57.803+/-89.963 χ^2/NDF: 30.1/25

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 292.124+/-0.084 χ^2/NDF:150611.1/7

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

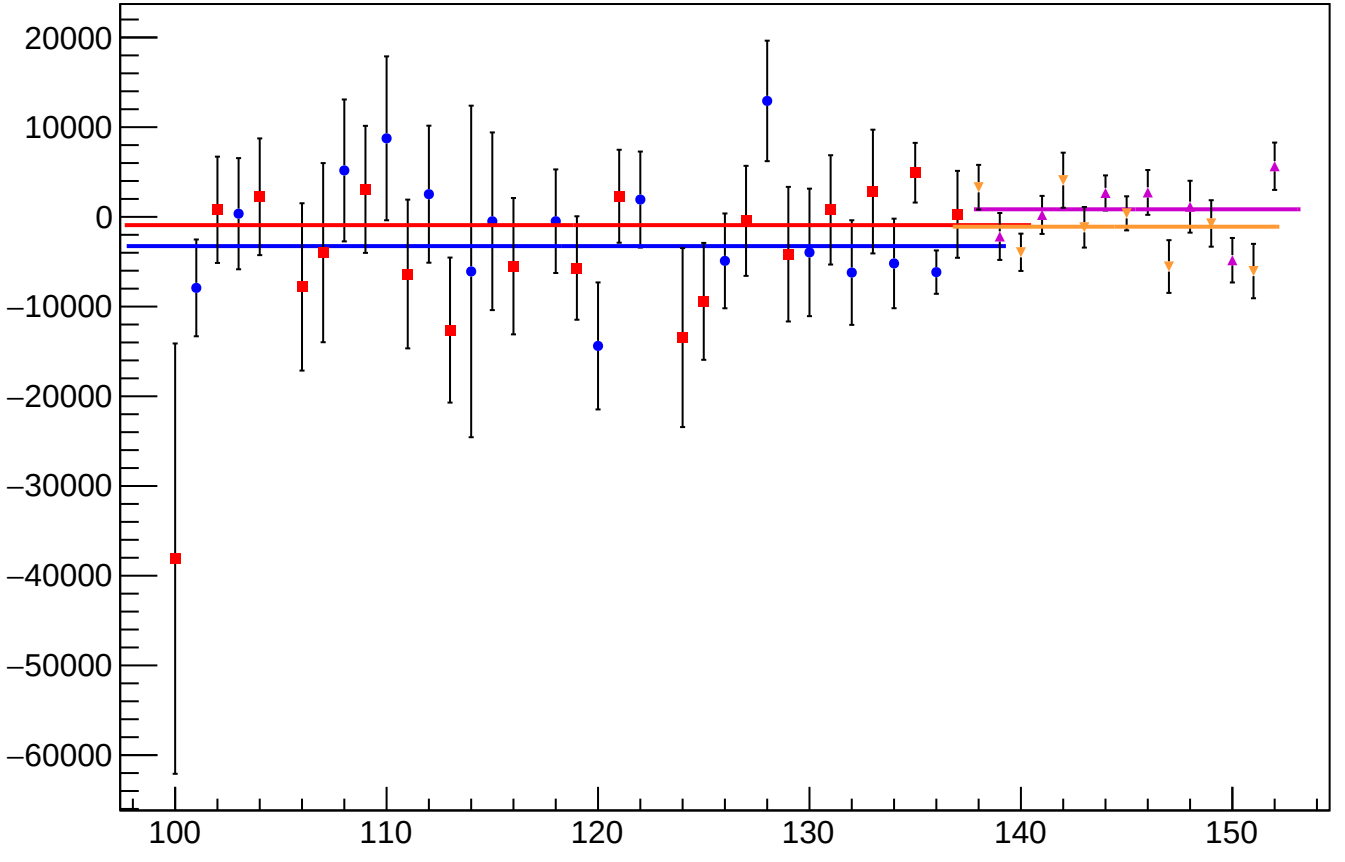
Left In: 297.374+/-0.086 χ^2/NDF:136521.3/6

+ sign 316.192+/-0.062 χ^2/NDF: 1106550.7/23

All: 319.370+/-0.045 χ^2/NDF: 2305424.1/49

- sign 322.674+/-0.064 χ^2/NDF: 1193579.9/25

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1095.771+/-862.527 χ^2/NDF:13.4/7

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

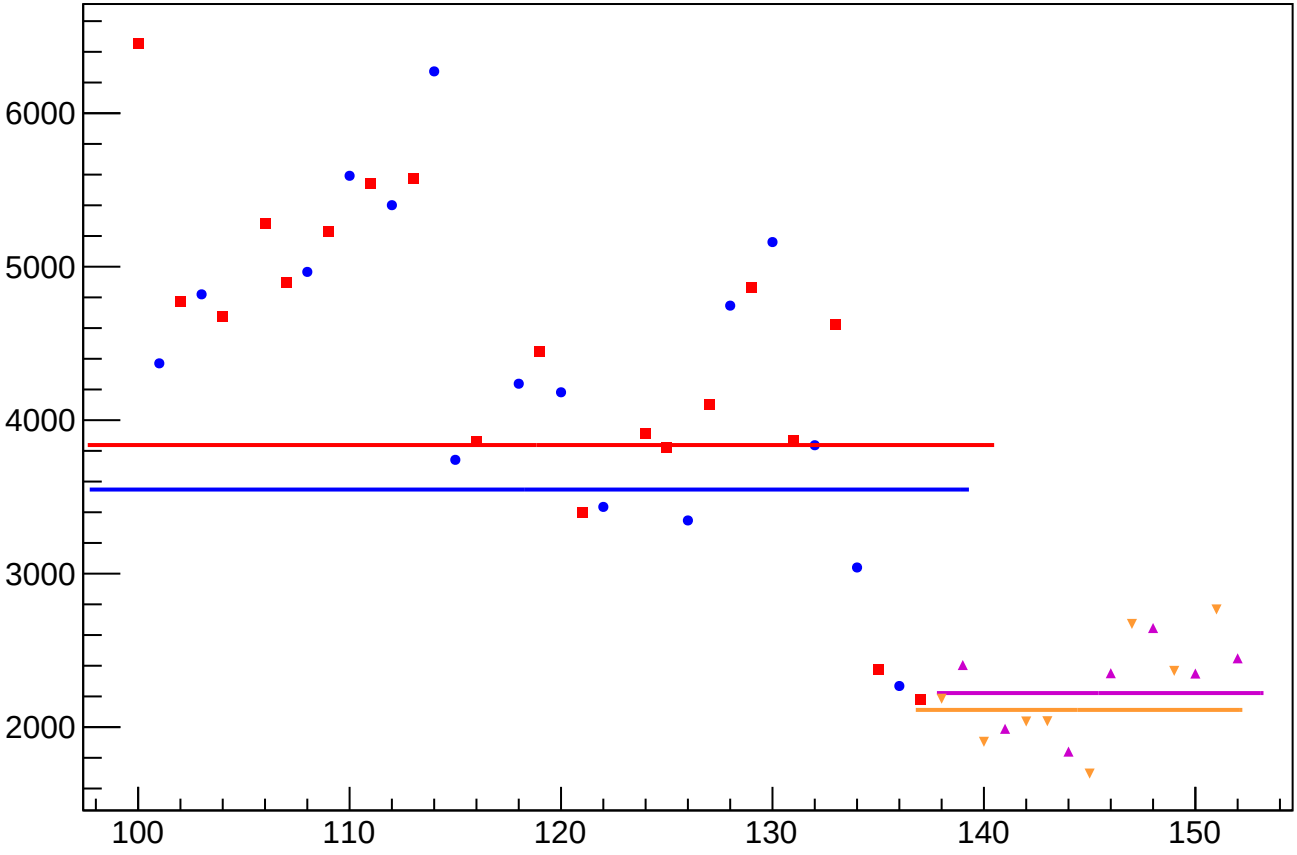
Left In: 843.646+/-906.722 χ^2/NDF:11.4/6

+ sign -1700.786+/-732.029 χ^2/NDF: 31.2/23

All: -726.383+/-530.660 χ^2/NDF: 62.0/49

- sign 352.771+/-770.372 χ^2/NDF: 27.1/25

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2112.201+/-0.610 χ^2/NDF:305503.7/7

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

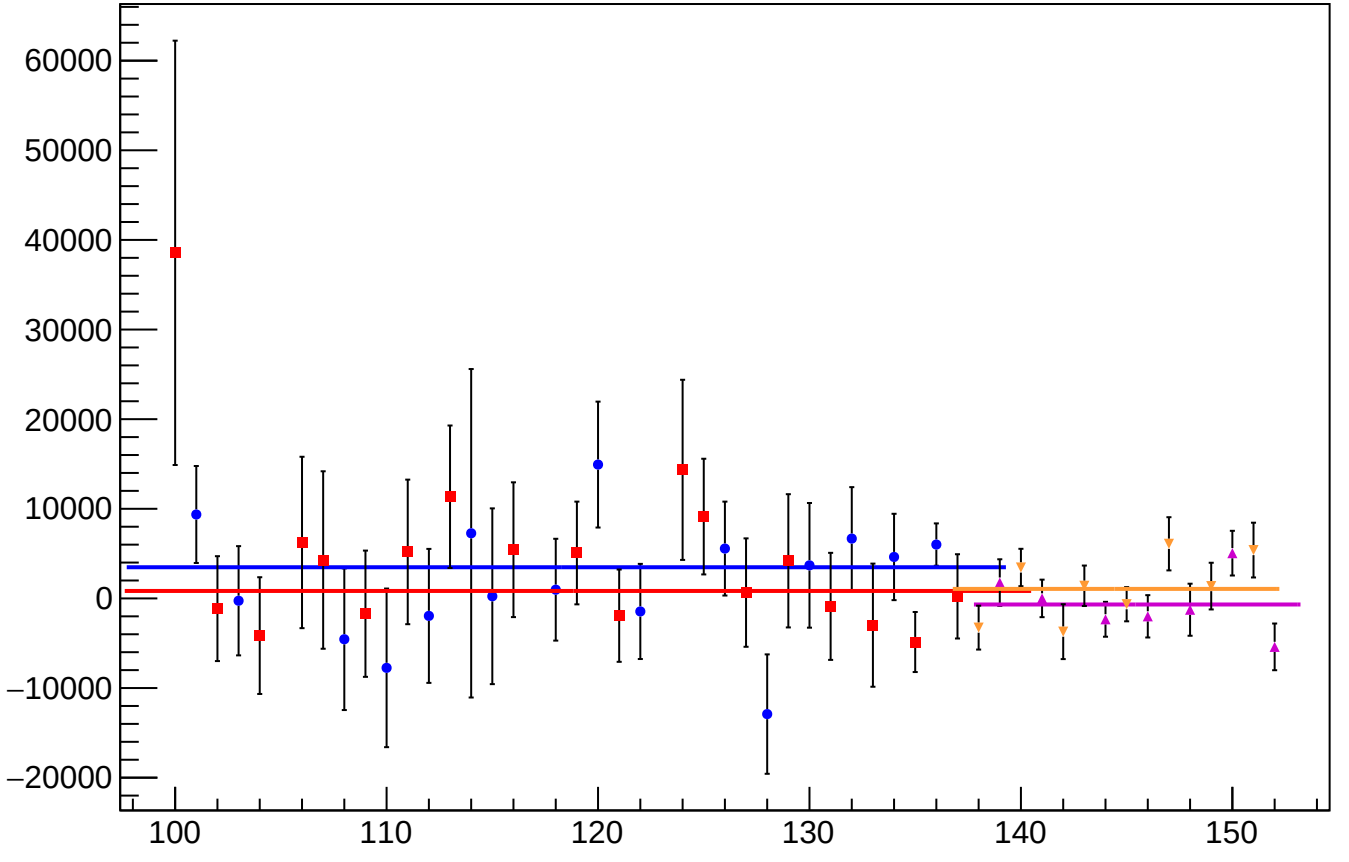
Left In: 2221.875+/-0.641 χ^2/NDF:178348.0/6

+ sign 2513.790+/-0.518 χ^2/NDF: 3114039.8/23

All: 2588.563+/-0.375 χ^2/NDF: 6259351.7/49

- sign 2671.375+/-0.545 χ^2/NDF: 3101333.8/25

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1062.015+/-863.218 χ^2/NDF:12.6/7

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

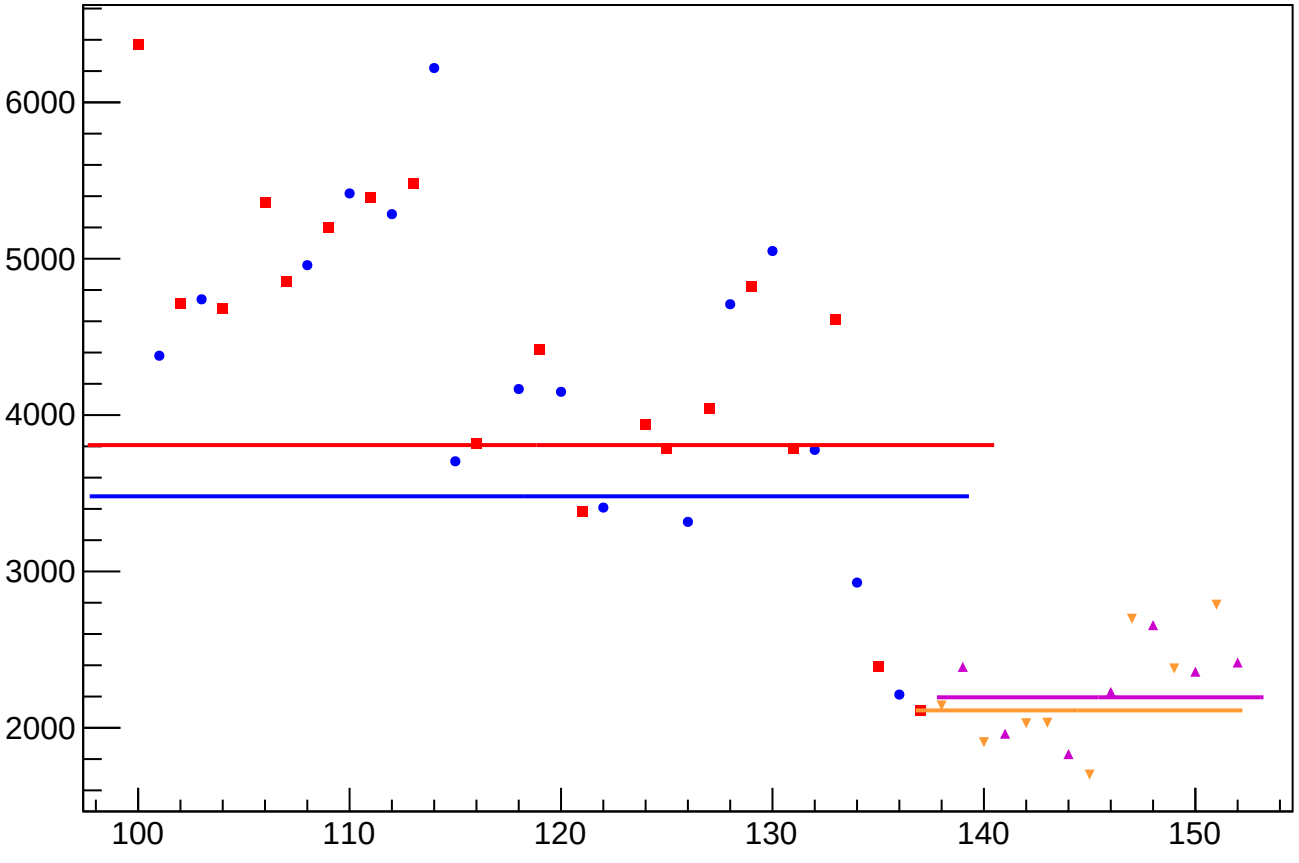
Left In: -677.224+/-895.638 χ^2/NDF:10.6/6

+ sign 1755.673+/-728.861 χ^2/NDF: 31.1/23

All: 792.487+/-526.690 χ^2/NDF: 60.2/49

- sign -260.122+/-761.944 χ^2/NDF: 25.4/25

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2111.378+/-0.610 χ^2/NDF:312785.0/7

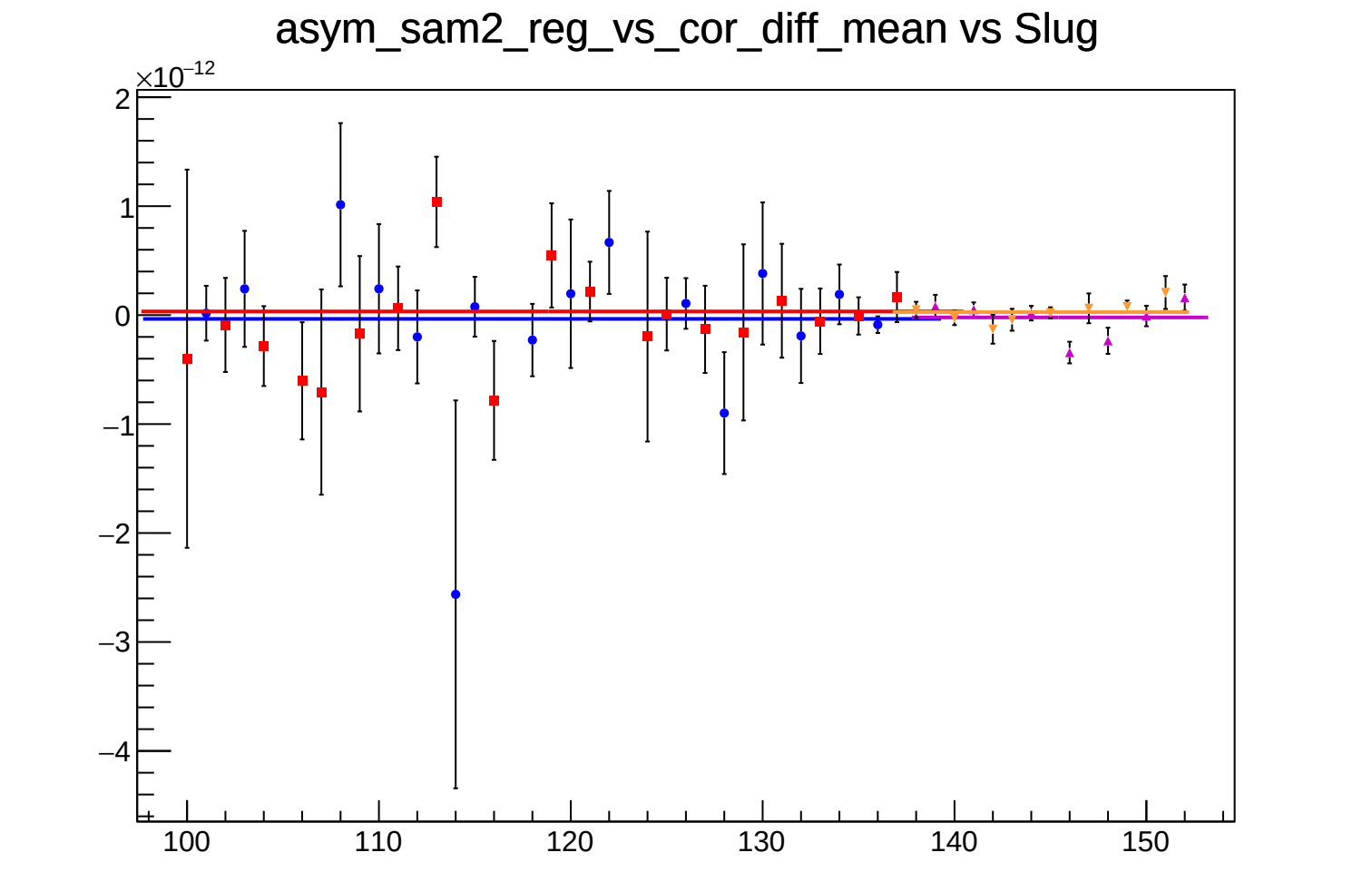
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

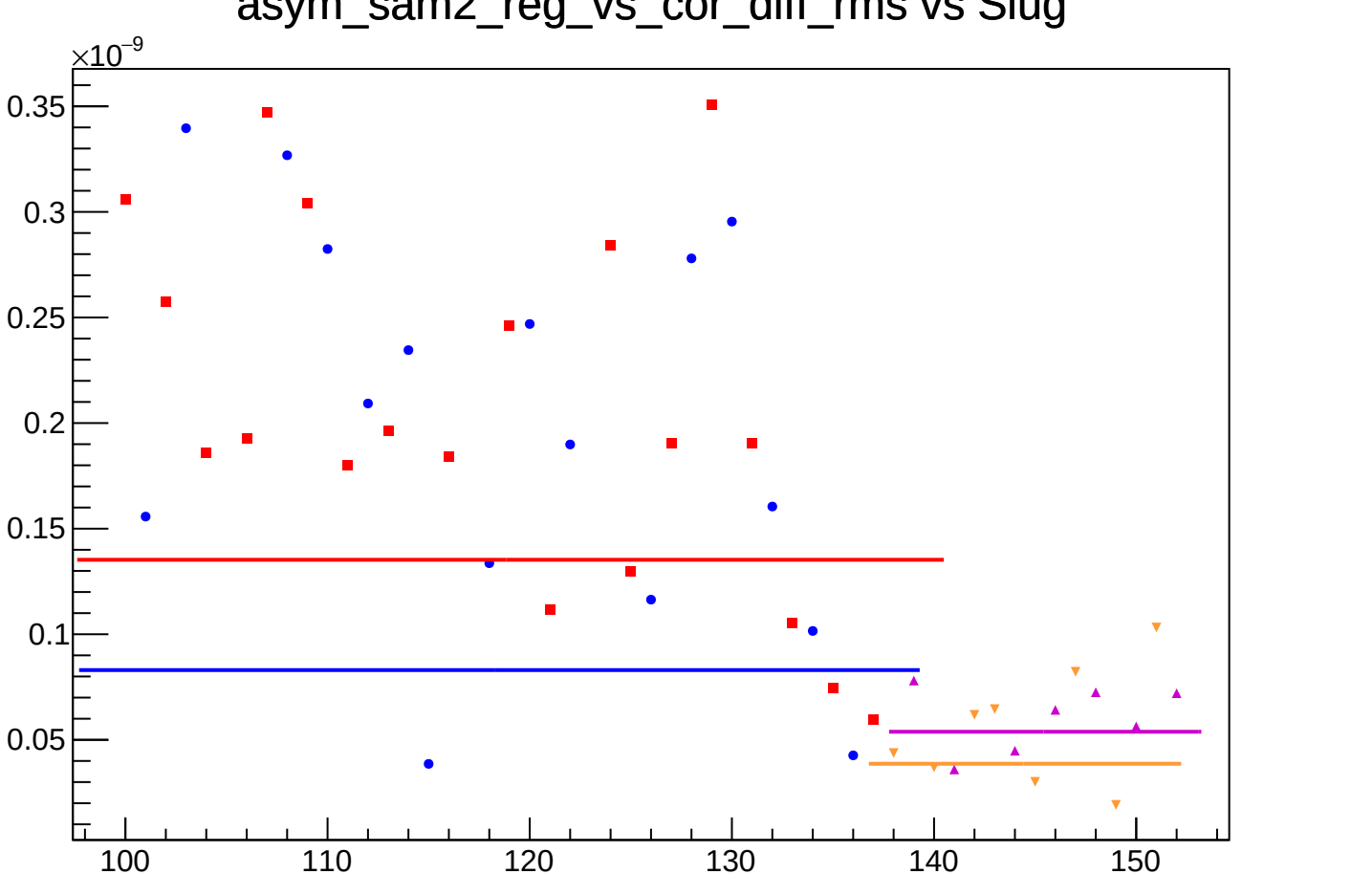
Left In: 2195.210+/-0.633 χ^2/NDF:179767.3/6

+ sign 2504.426+/-0.515 χ^2/NDF: 3053852.4/23

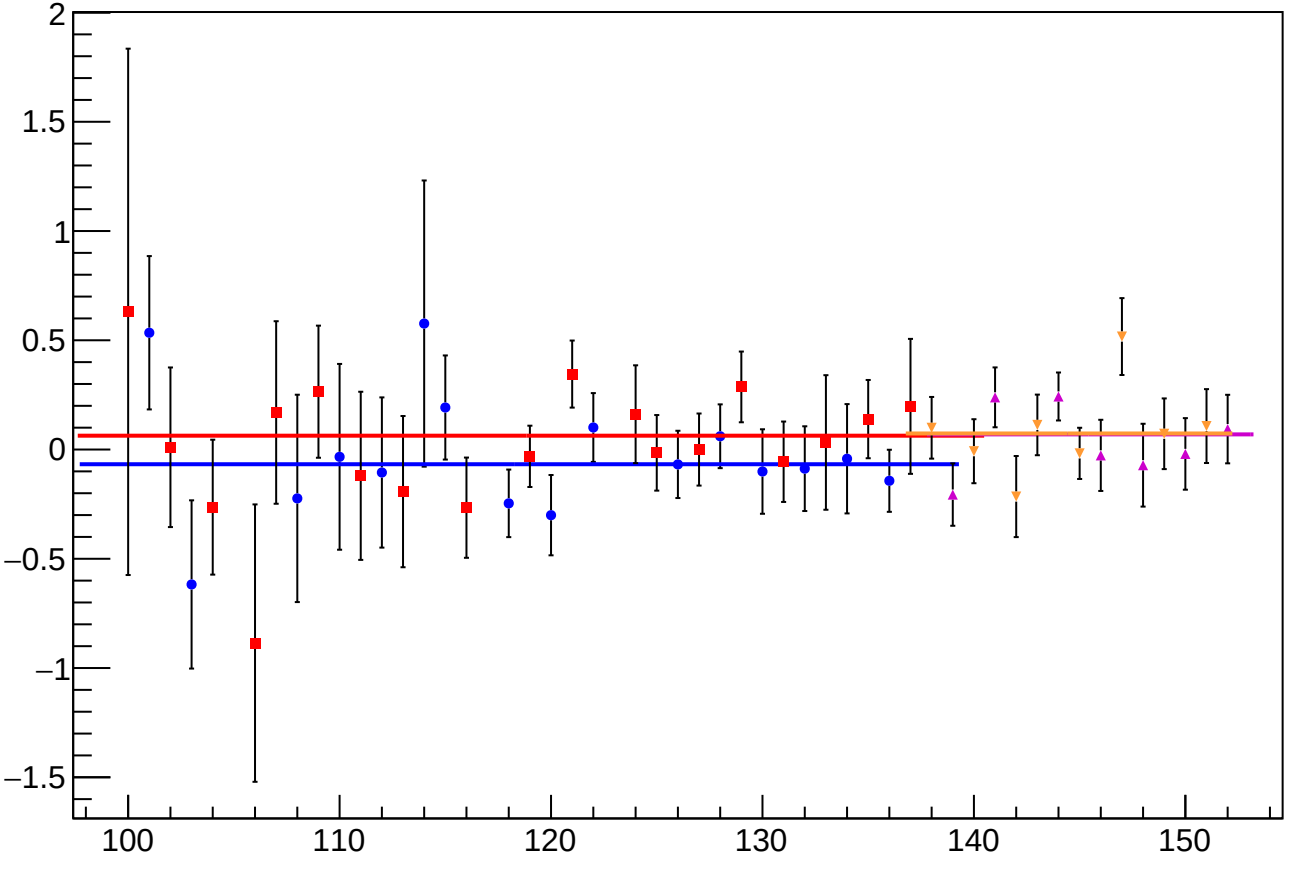
All: 2569.590+/-0.372 χ^2/NDF: 6206579.9/49

- sign 2640.804+/-0.539 χ^2/NDF: 3119269.7/25


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:4.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:18.4/6
+ sign 0.000+/-0.000 χ²/NDF: 17.7/23
All: 0.000+/-0.000 χ²/NDF: 50.6/49
- sign -0.000+/-0.000 χ²/NDF: 32.3/25


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:1070790.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 1401659.7/18
Left In: 0.000+/-0.000 χ²/NDF:400012.5/6
+ sign 0.000+/-0.000 χ²/NDF: 4667045.6/23
All: 0.000+/-0.000 χ²/NDF: 8509453.3/49
- sign 0.000+/-0.000 χ²/NDF: 3394725.1/25

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.073+/-0.053 χ^2/NDF:9.8/7

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

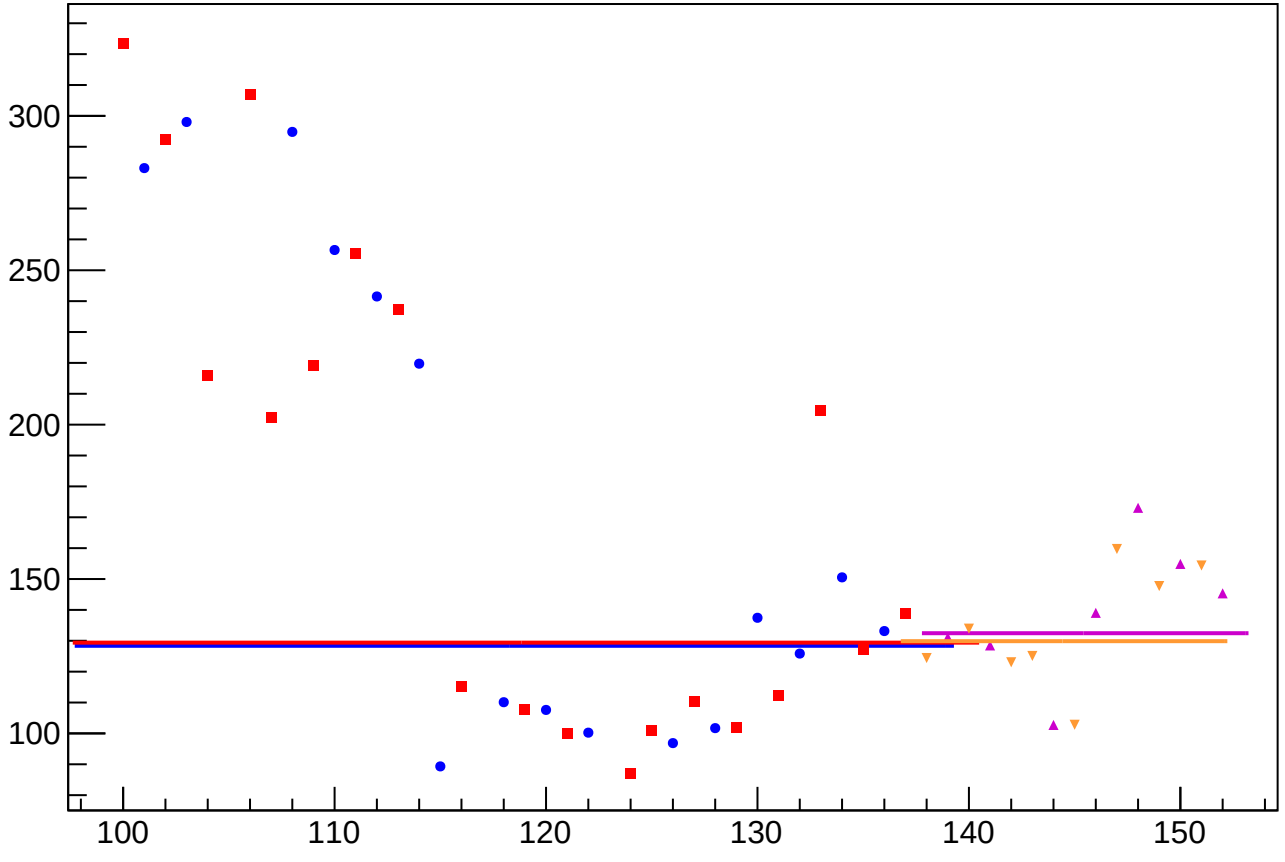
Left In: 0.069+/-0.055 χ^2/NDF:9.0/6

+ sign 0.001+/-0.037 χ^2/NDF: 25.9/23

All: 0.033+/-0.026 χ^2/NDF: 50.4/49

- sign 0.066+/-0.038 χ^2/NDF: 23.0/25

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.871+/-0.037 χ^2/NDF:240432.9/7

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

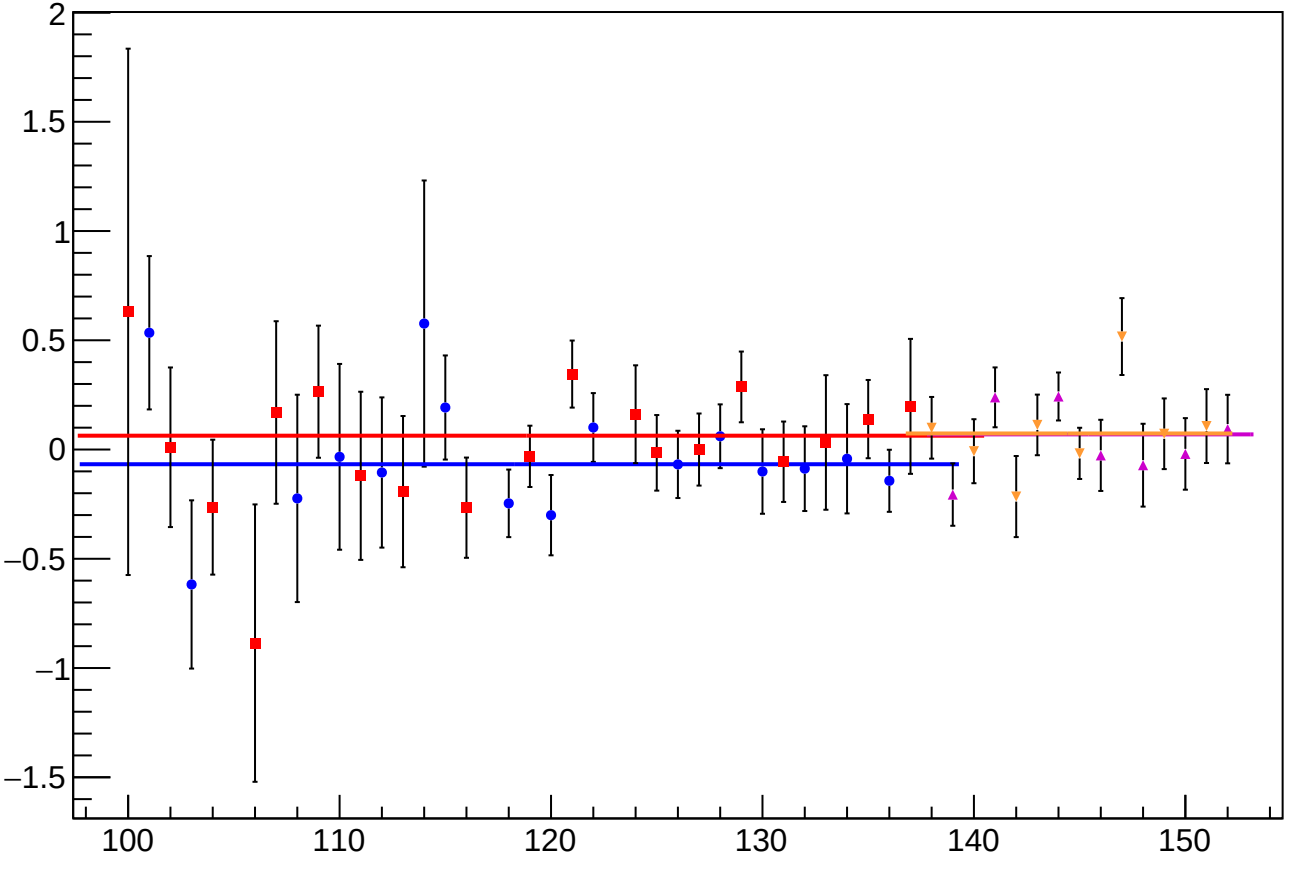
Left In: 132.453+/-0.039 χ^2/NDF:294489.3/6

+ sign 129.108+/-0.026 χ^2/NDF: 2046322.2/23

All: 129.952+/-0.019 χ^2/NDF: 4234465.0/49

- sign 130.825+/-0.027 χ^2/NDF: 2186030.4/25

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.073+/-0.053 χ^2/NDF:9.8/7

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

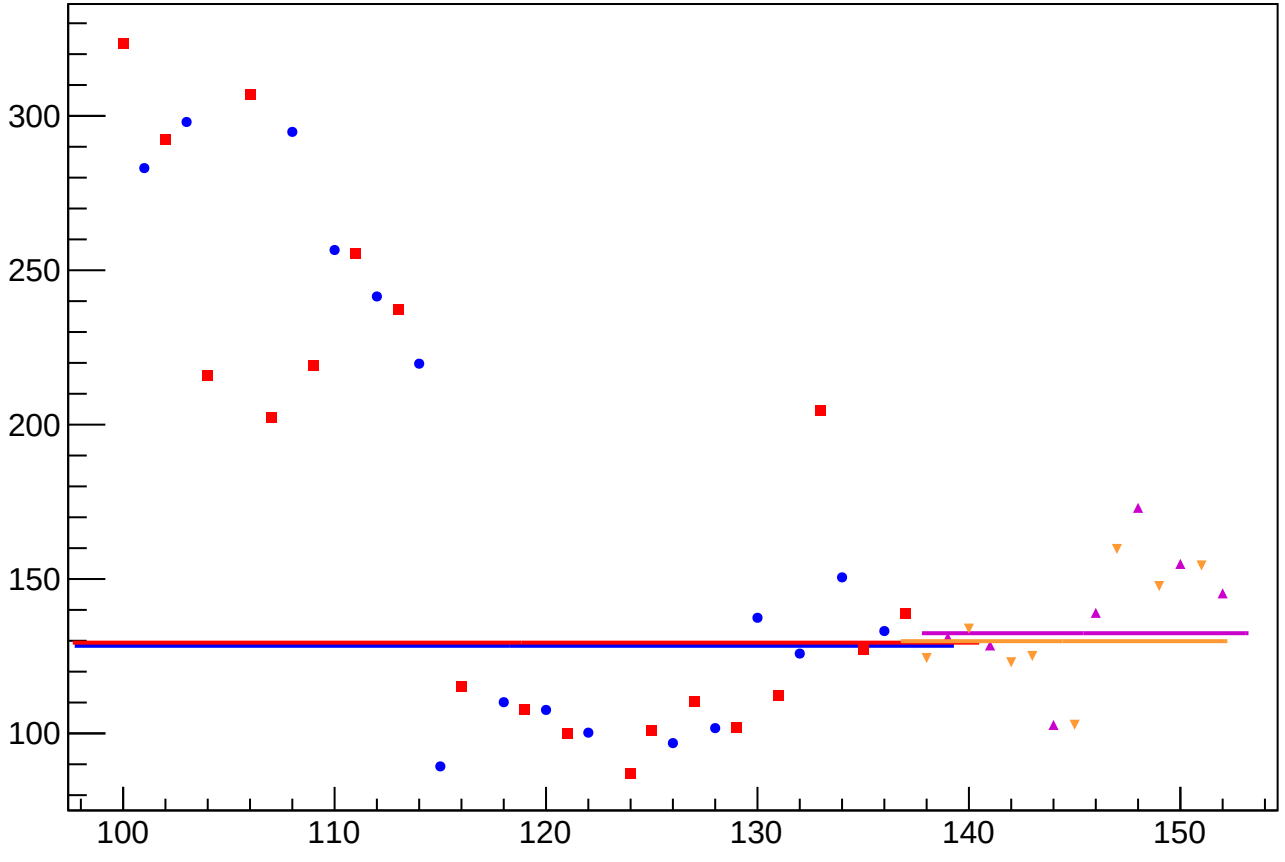
Left In: 0.069+/-0.055 χ^2/NDF:9.0/6

+ sign 0.001+/-0.037 χ^2/NDF: 25.9/23

All: 0.033+/-0.026 χ^2/NDF: 50.4/49

- sign 0.066+/-0.038 χ^2/NDF: 23.0/25

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.871+/-0.037 χ^2/NDF:240432.9/7

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

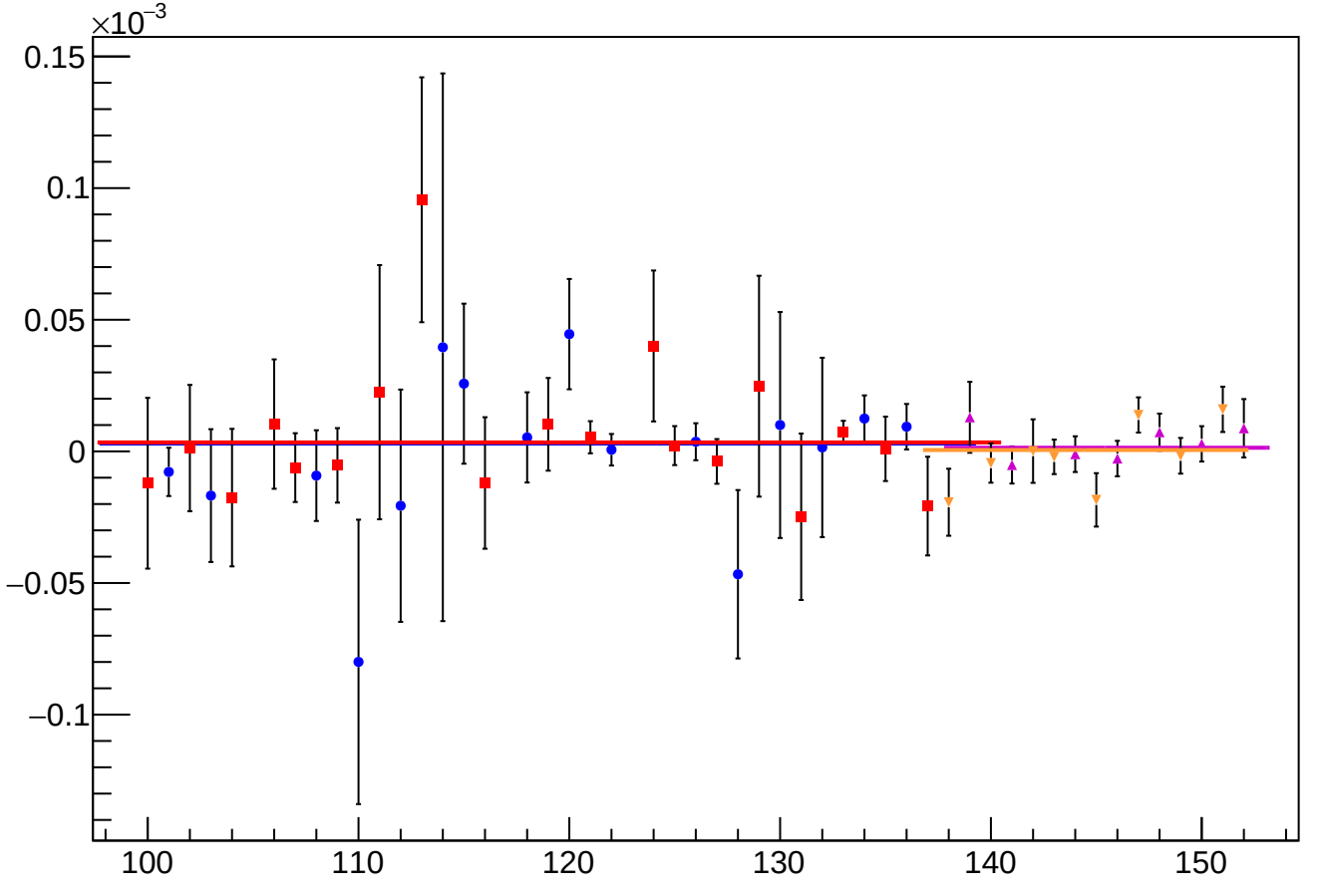
Left In: 132.453+/-0.039 χ^2/NDF:294489.3/6

+ sign 129.108+/-0.026 χ^2/NDF: 2046322.2/23

All: 129.952+/-0.019 χ^2/NDF: 4234465.0/49

- sign 130.825+/-0.027 χ^2/NDF: 2186030.4/25

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:13.8/7

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

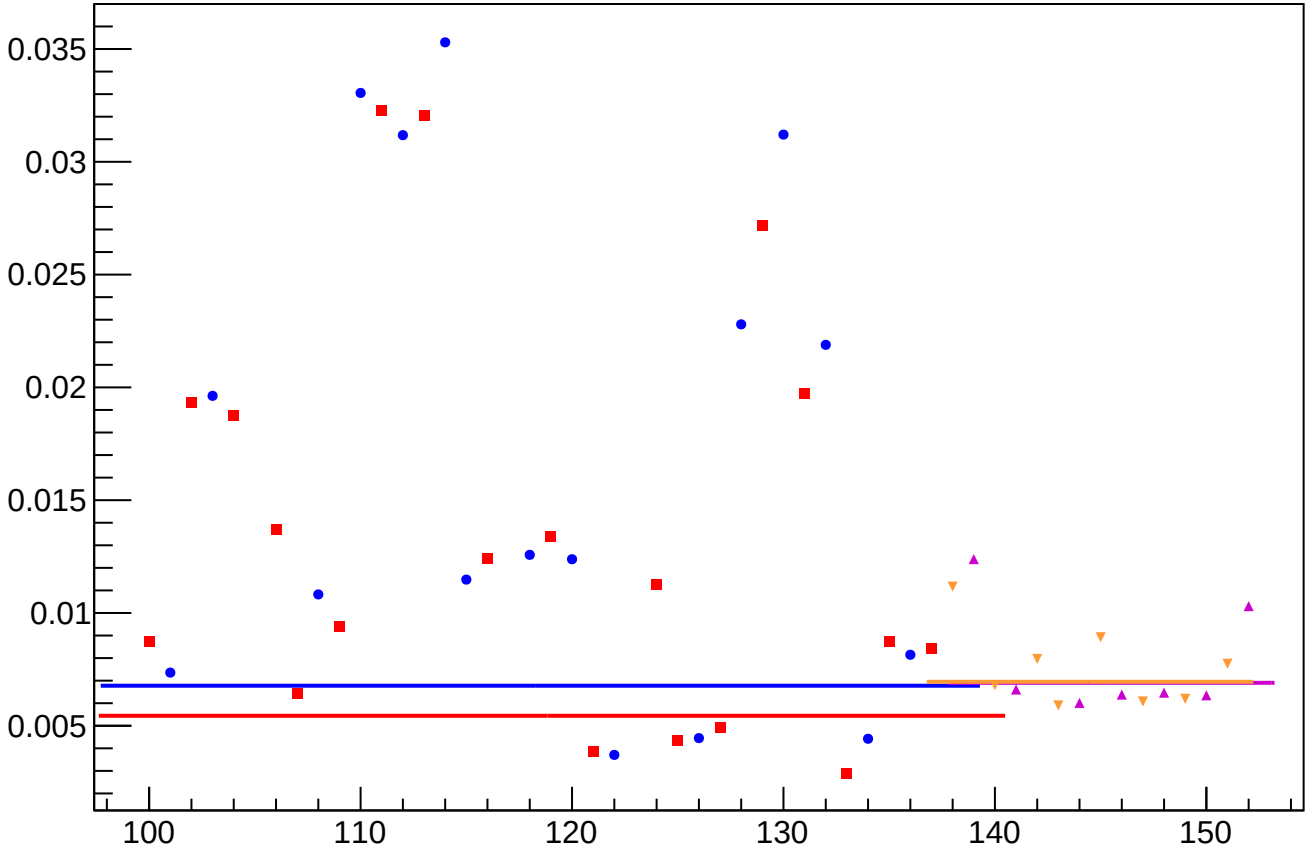
Left In: 0.000+/-0.000 χ^2/NDF:3.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/23

All: 0.000+/-0.000 χ^2/NDF: 44.5/49

- sign 0.000+/-0.000 χ^2/NDF: 16.2/25

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:437113.5/7

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

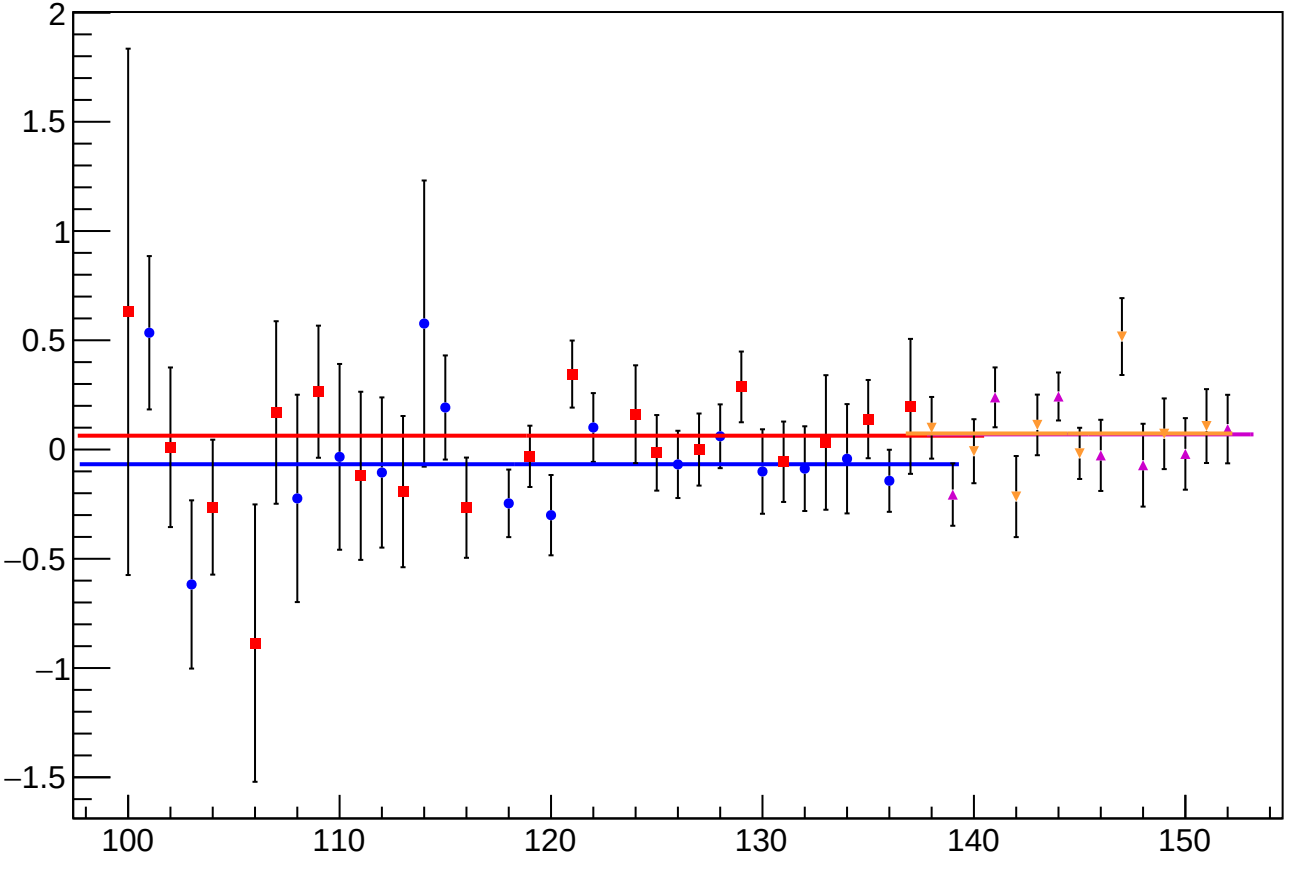
Left In: 0.007+/-0.000 χ^2/NDF:590232.9/6

+ sign 0.007+/-0.000 χ^2/NDF: 5212715.3/23

All: 0.006+/-0.000 χ^2/NDF: 11804737.1/49

- sign 0.006+/-0.000 χ^2/NDF: 6445785.4/25

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.073+/-0.053 χ^2/NDF:9.8/7

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

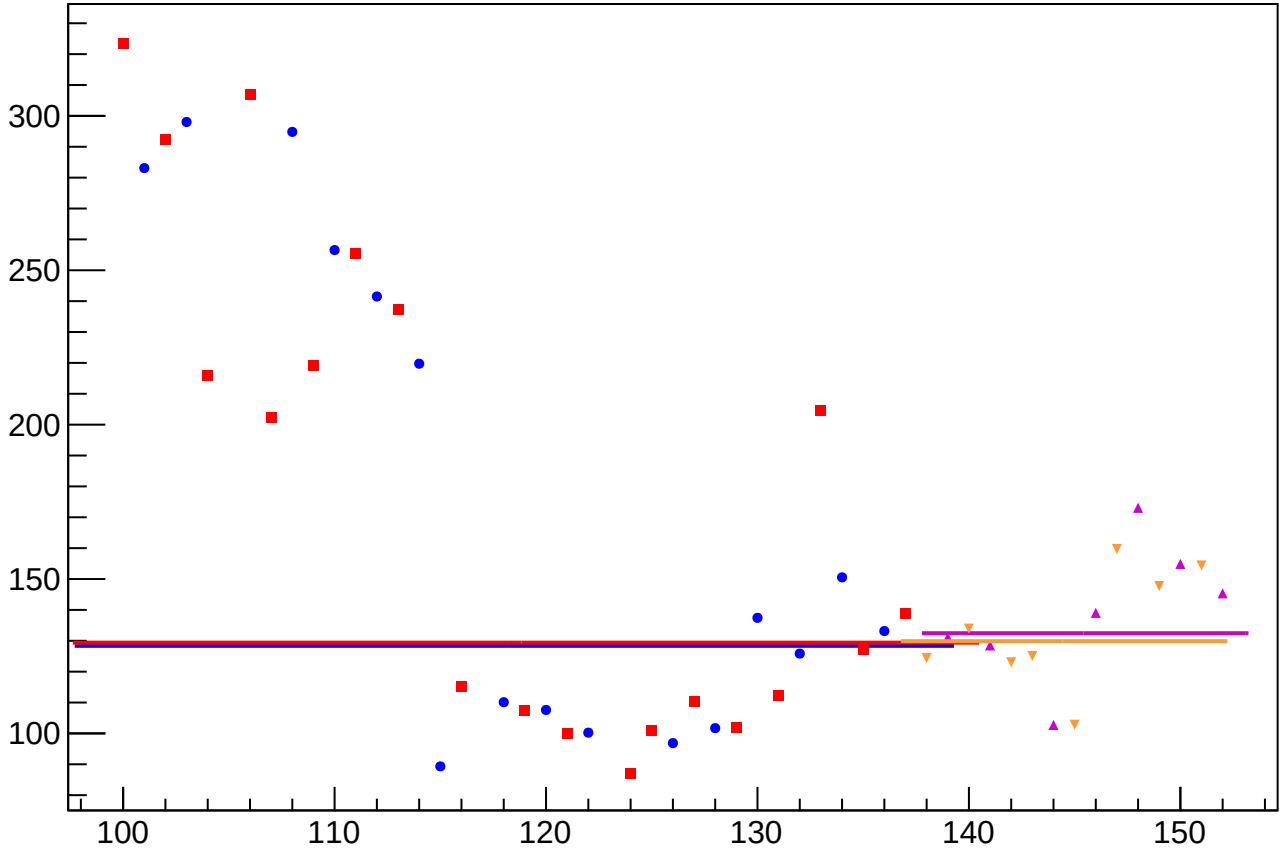
Left In: 0.069+/-0.055 χ^2/NDF:9.0/6

+ sign 0.001+/-0.037 χ^2/NDF: 25.9/23

All: 0.033+/-0.026 χ^2/NDF: 50.4/49

- sign 0.066+/-0.038 χ^2/NDF: 23.0/25

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 129.871+/-0.037 χ^2/NDF:240451.7/7

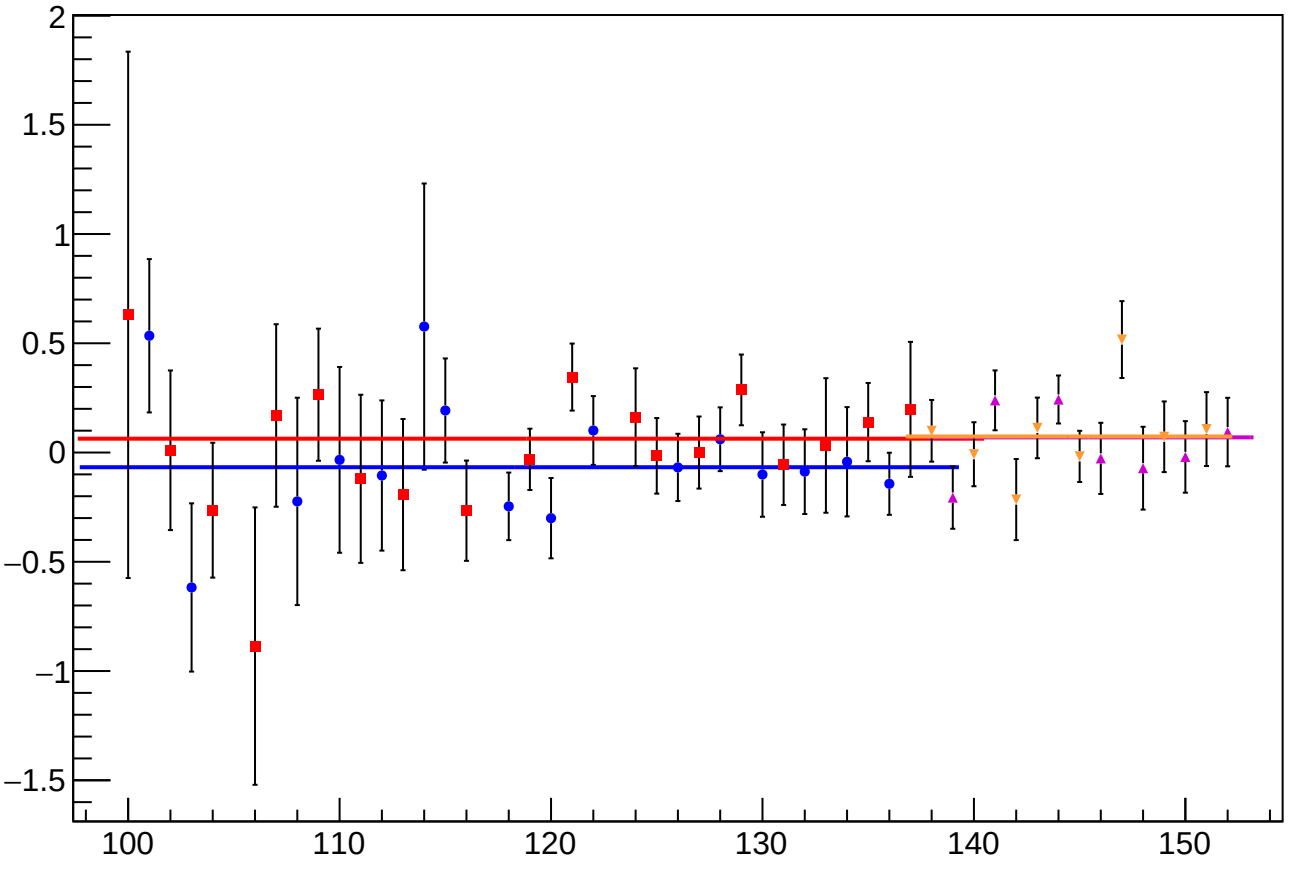
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 132.453+/-0.039 χ^2/NDF:294491.8/6

+ sign 129.107+/-0.026 χ^2/NDF: 2046292.5/23

All: 129.950+/-0.019 χ^2/NDF: 4234445.9/49

- sign 130.824+/-0.027 χ^2/NDF: 2186041.3/25



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.073+/-0.053 χ^2/NDF:9.8/7

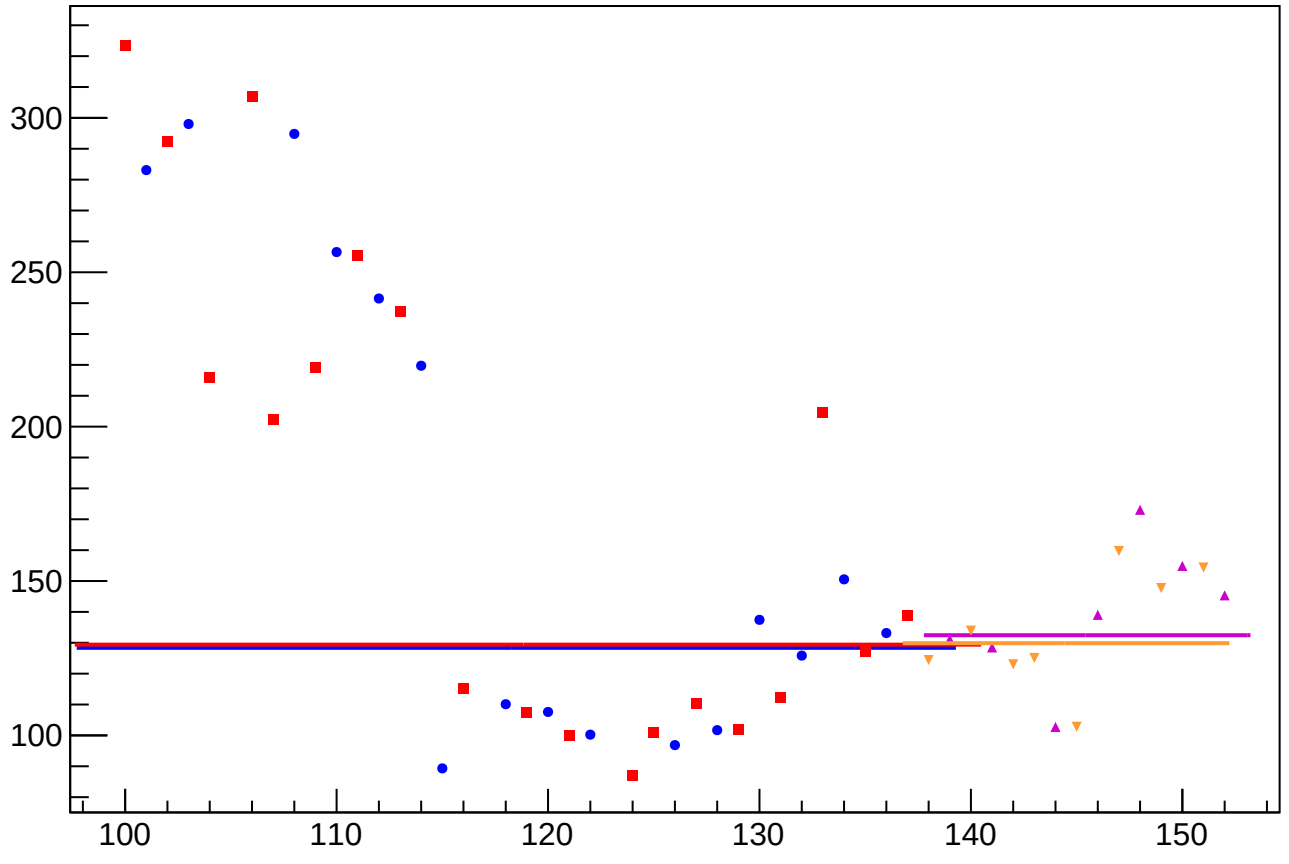
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.069+/-0.055 χ^2/NDF:9.0/6

+ sign 0.001+/-0.037 χ^2/NDF: 25.9/23

All: 0.033+/-0.026 χ^2/NDF: 50.4/49

- sign 0.066+/-0.038 χ^2/NDF: 23.0/25



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 129.871+/-0.037 χ^2/NDF:240451.7/7

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

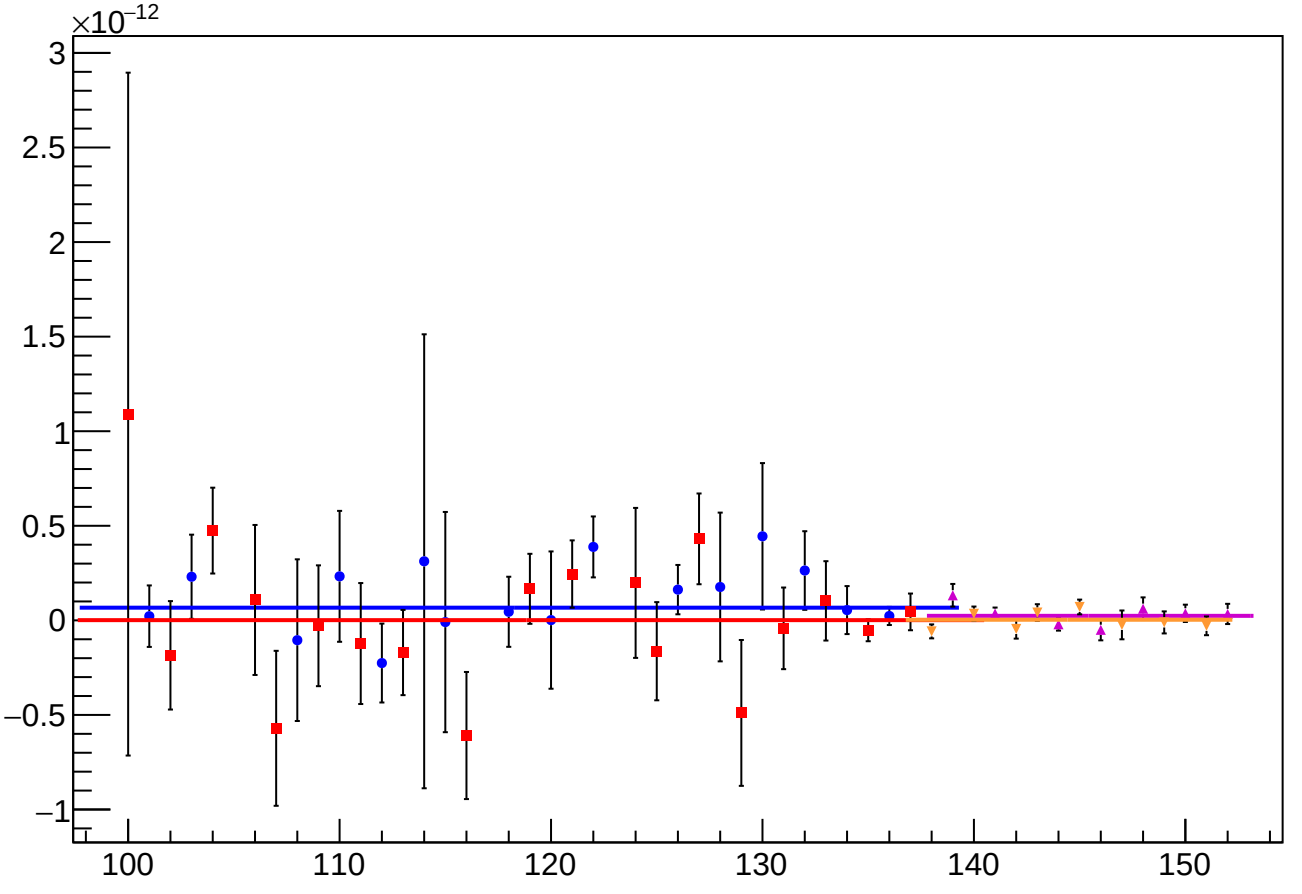
Left In: 132.453+/-0.039 χ^2/NDF:294491.8/6

+ sign 129.107+/-0.026 χ^2/NDF: 2046292.5/23

All: 129.950+/-0.019 χ^2/NDF: 4234445.9/49

- sign 130.824+/-0.027 χ^2/NDF: 2186041.3/25

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:8.7/7

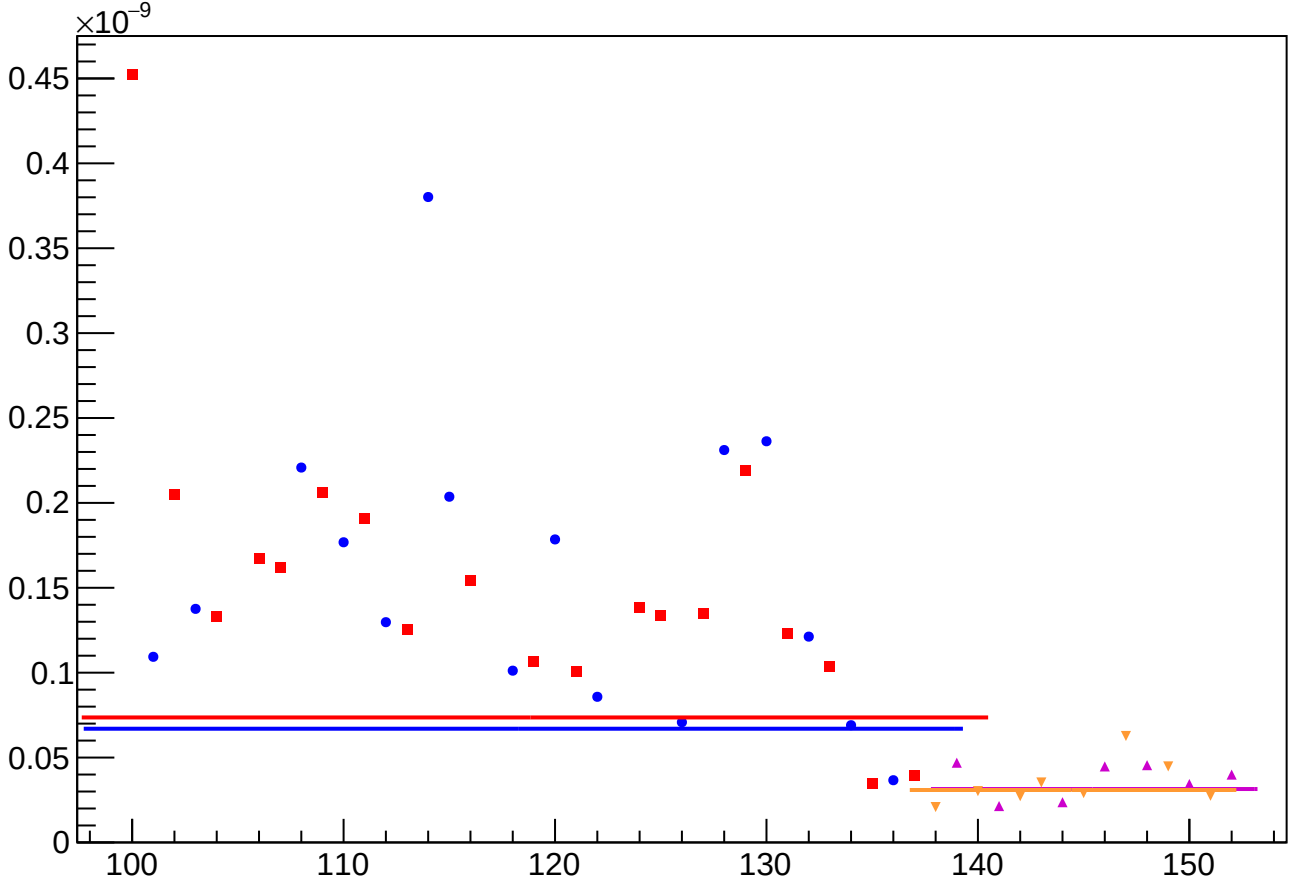
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/23

All: 0.000+/-0.000 χ^2/NDF: 50.2/49

- sign 0.000+/-0.000 χ^2/NDF: 28.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:656015.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

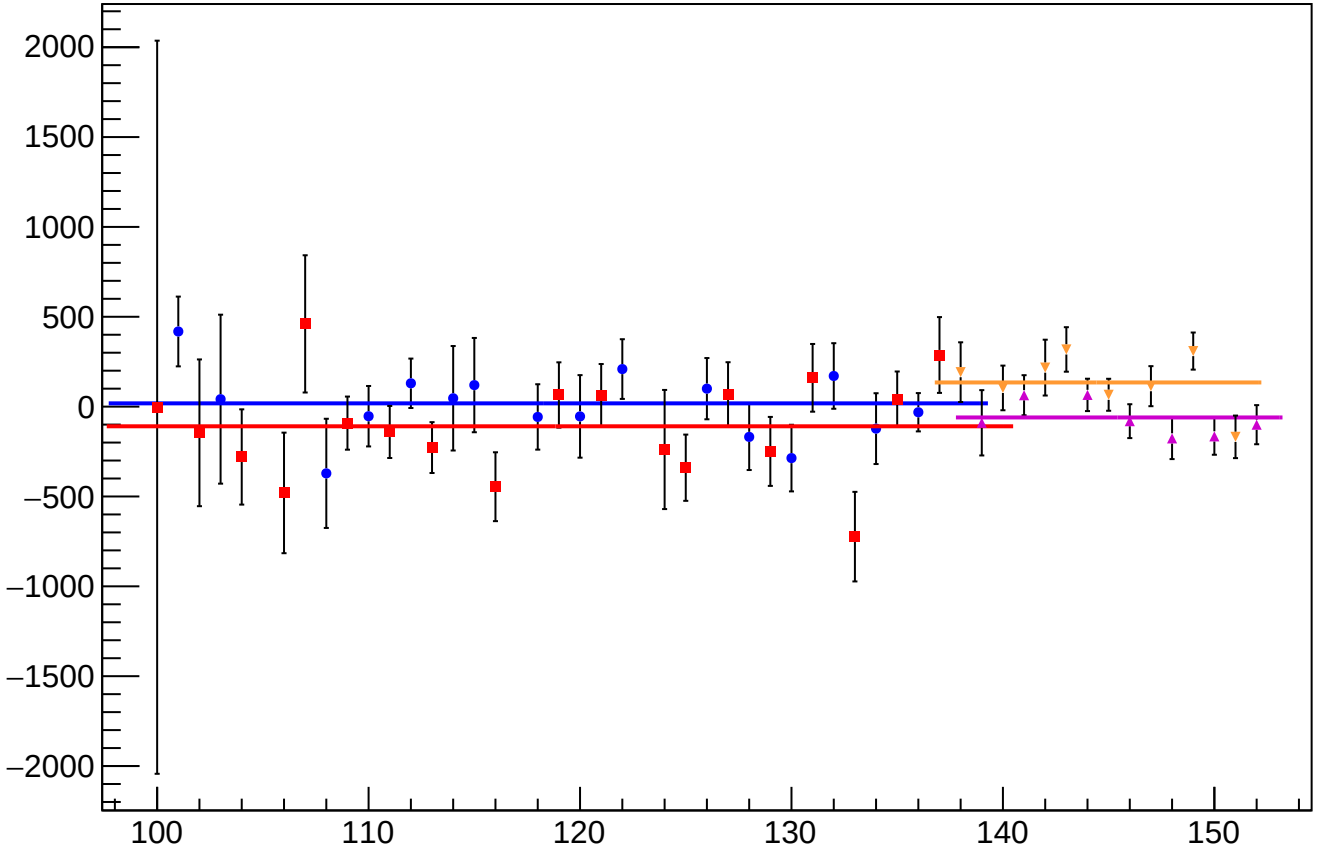
Left In: 0.000+/-0.000 χ^2/NDF:724489.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 5502271.1/23

All: 0.000+/-0.000 χ^2/NDF: 11827113.9/49

- sign 0.000+/-0.000 χ^2/NDF: 6320452.1/25

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 134.482+/-41.533 χ^2/NDF:12.7/7

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

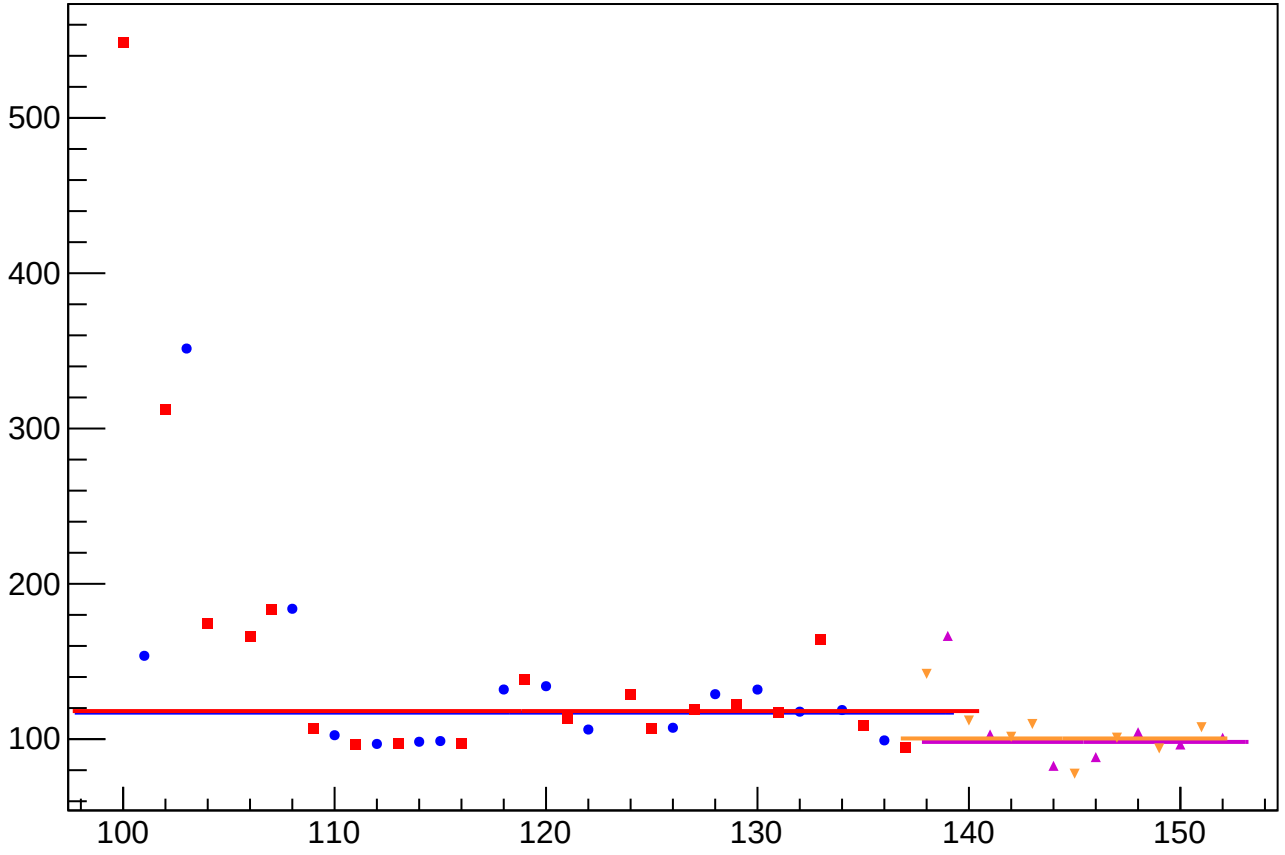
Left In: -60.284+/-40.764 χ^2/NDF:5.5/6

+ sign 81.891+/-30.737 χ^2/NDF: 30.1/23

All: -0.803+/-21.635 χ^2/NDF: 76.0/49

- sign -81.996+/-30.457 χ^2/NDF: 31.6/25

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.430+/-0.029 χ^2/NDF:299405.1/7

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

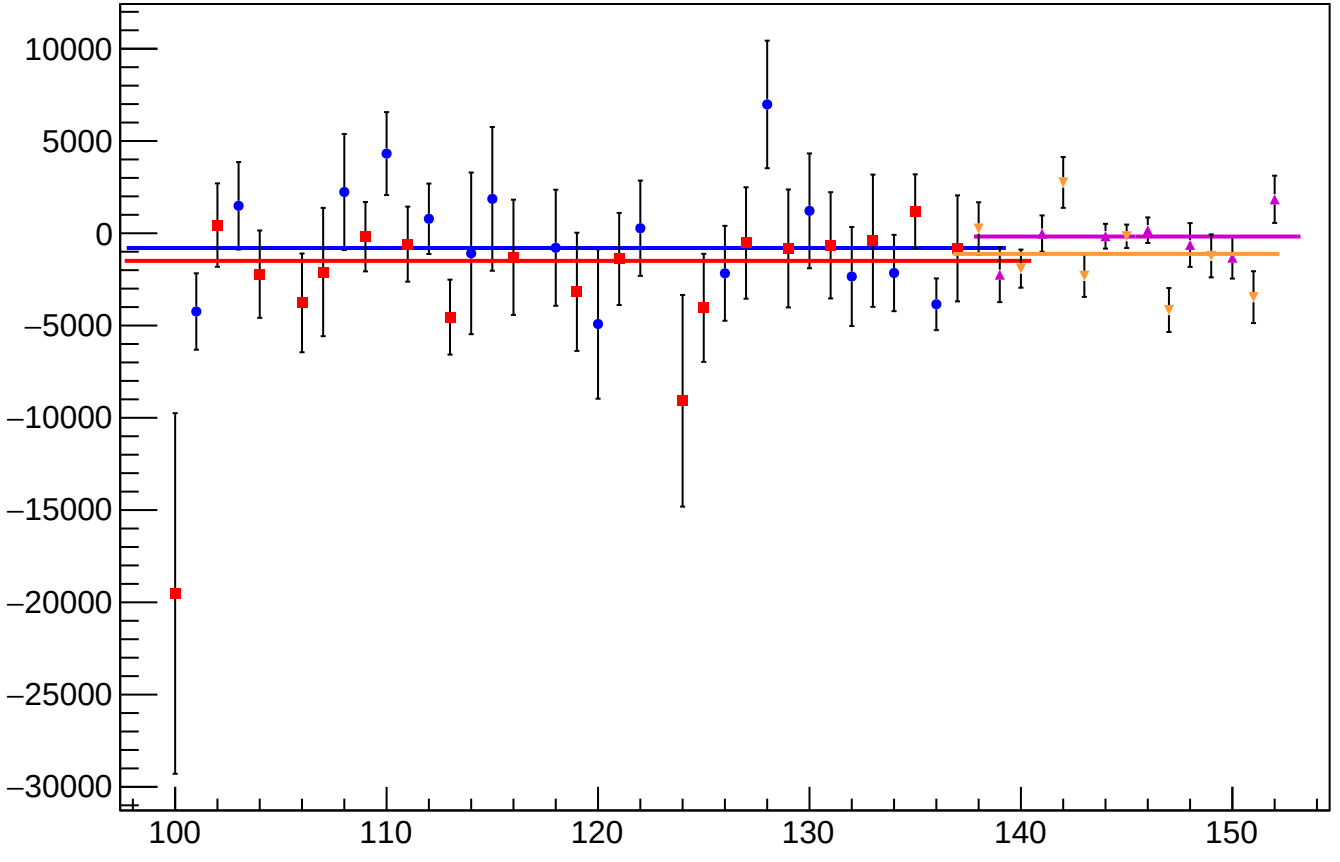
Left In: 98.202+/-0.029 χ^2/NDF:373292.9/6

+ sign 107.953+/-0.022 χ^2/NDF: 1302878.5/23

All: 107.459+/-0.015 χ^2/NDF: 2877551.4/49

- sign 106.973+/-0.022 χ^2/NDF: 1573648.3/25

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1117.973+/-373.825 χ^2/NDF:22.1/7

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

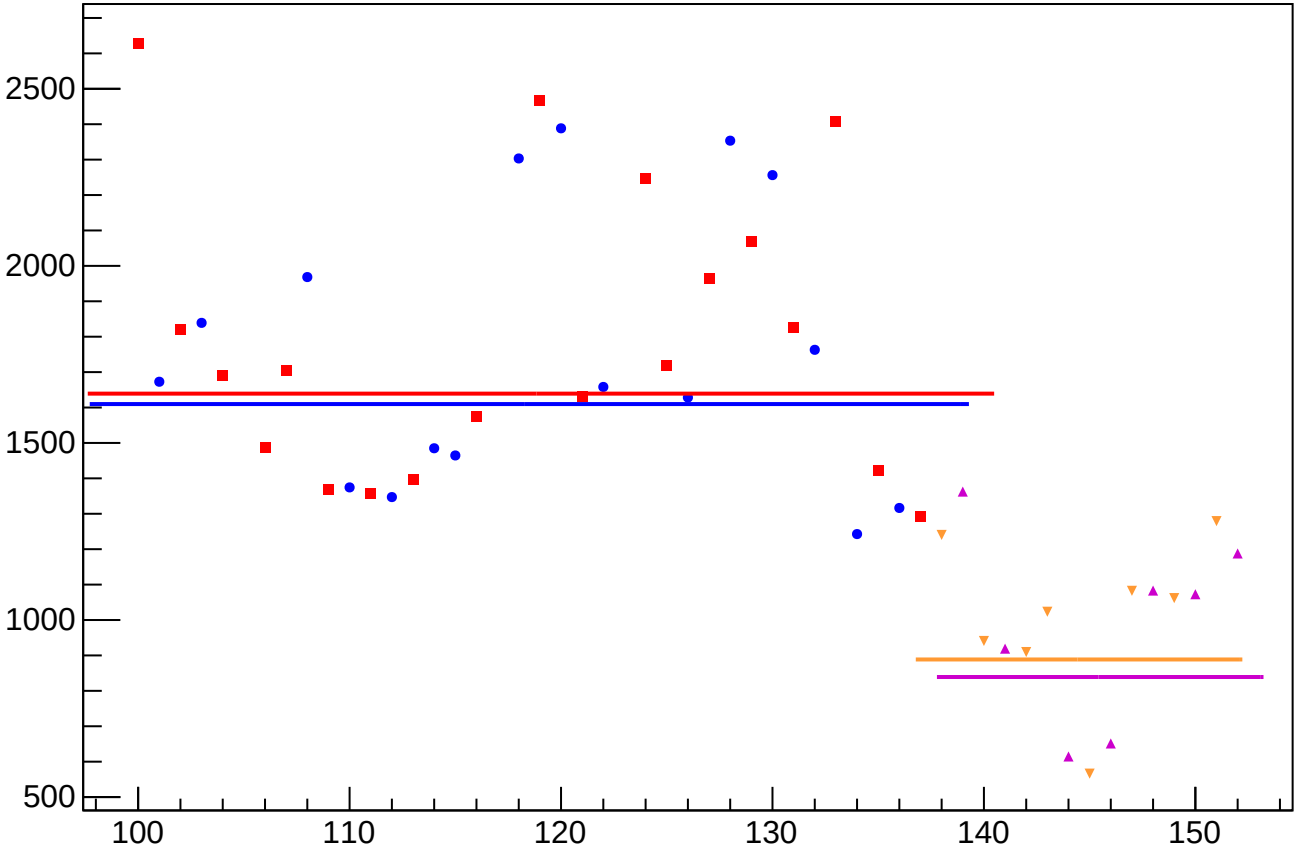
Left In: -177.085+/-356.136 χ^2/NDF:5.9/6

\+ sign -1032.157+/-319.582 χ^2/NDF: 45.7/23

All: -761.044+/-221.752 χ^2/NDF: 69.3/49

\- sign -509.307+/-307.951 χ^2/NDF: 22.2/25

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 888.567+/-0.264 χ^2/NDF:922112.2/7

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

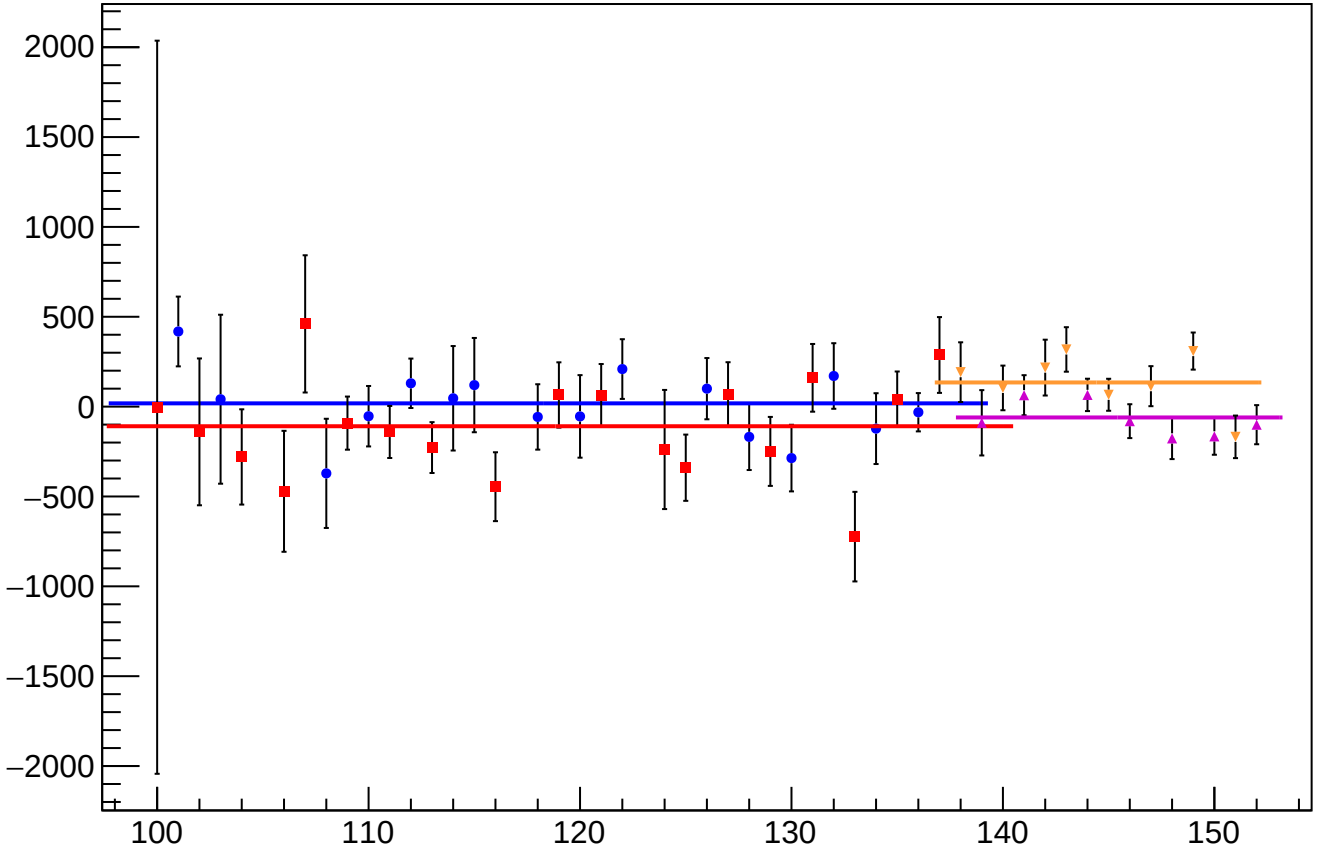
Left In: 839.061+/-0.252 χ^2/NDF:949603.1/6

+ sign 1082.680+/-0.226 χ^2/NDF: 3544857.8/23

All: 1061.037+/-0.157 χ^2/NDF: 7579625.9/49

- sign 1040.941+/-0.218 χ^2/NDF: 4017077.8/25

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 134.489+/-41.533 χ^2/NDF:12.7/7

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

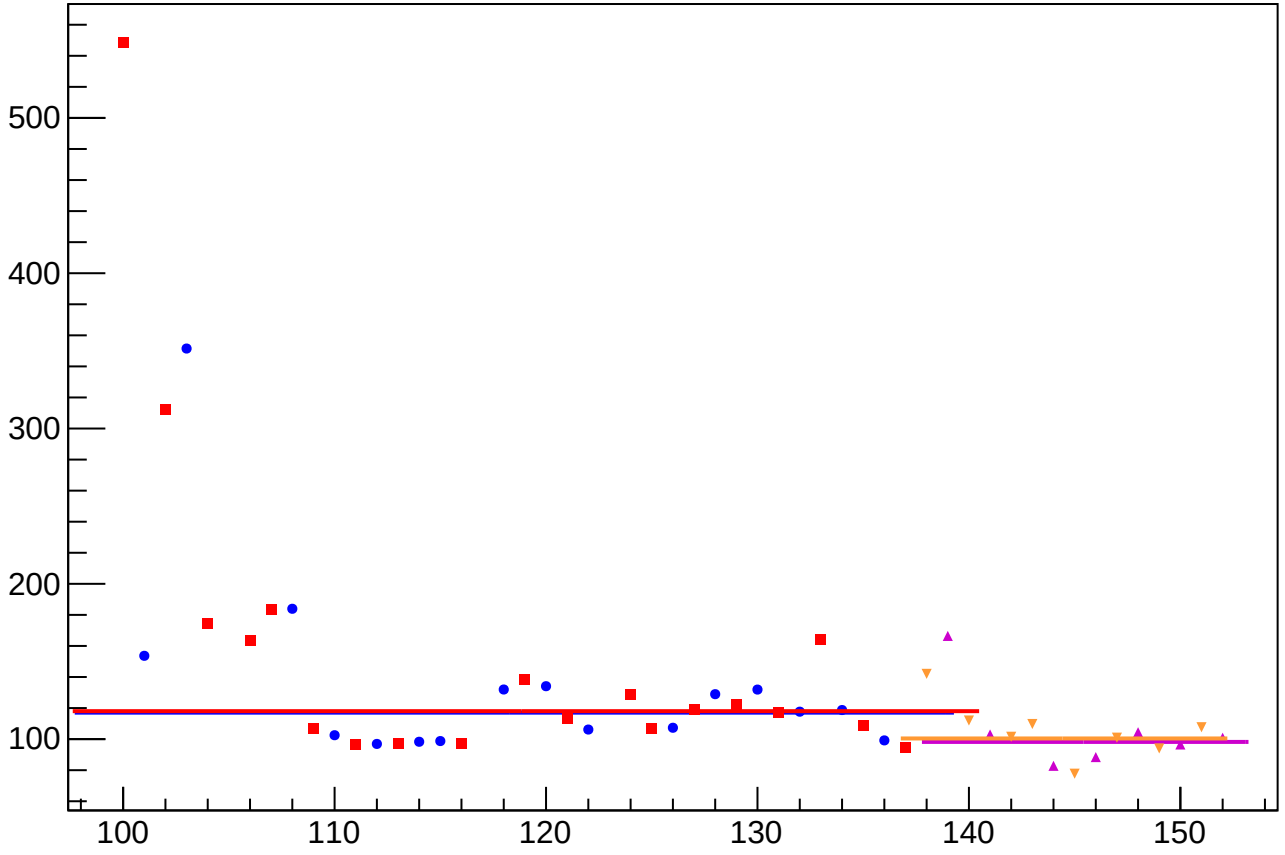
Left In: -60.289+/-40.764 χ^2/NDF:5.5/6

+ sign 81.889+/-30.737 χ^2/NDF: 30.1/23

All: -0.739+/-21.635 χ^2/NDF: 75.9/49

- sign -81.872+/-30.458 χ^2/NDF: 31.5/25

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.430+/-0.029 χ^2/NDF:299405.1/7

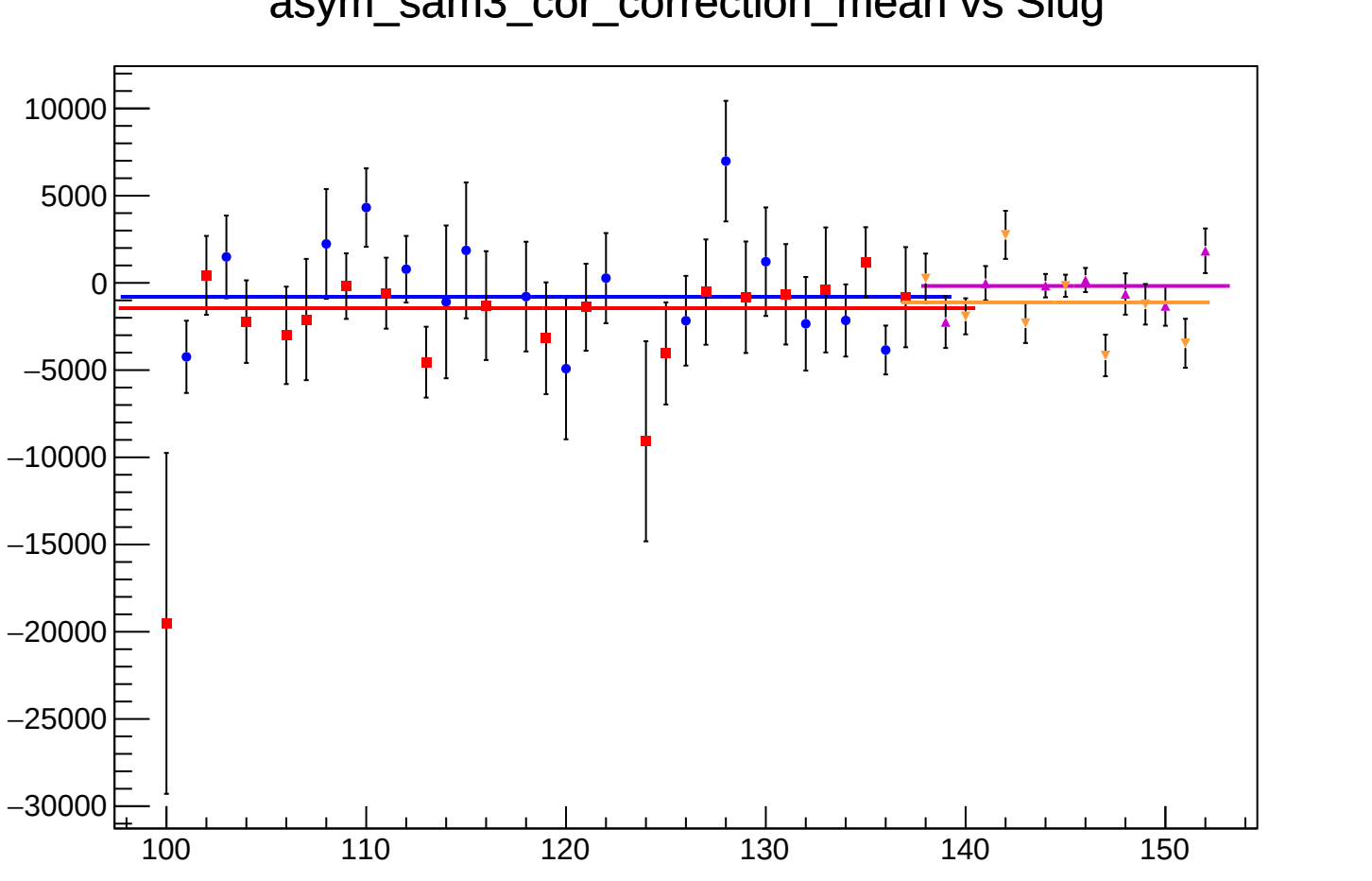
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.202+/-0.029 χ^2/NDF:373292.9/6

+ sign 107.953+/-0.022 χ^2/NDF: 1302880.4/23

All: 107.447+/-0.015 χ^2/NDF: 2872301.6/49

- sign 106.950+/-0.022 χ^2/NDF: 1568346.9/25



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1117.965+/-373.825 χ^2/NDF:22.1/7

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

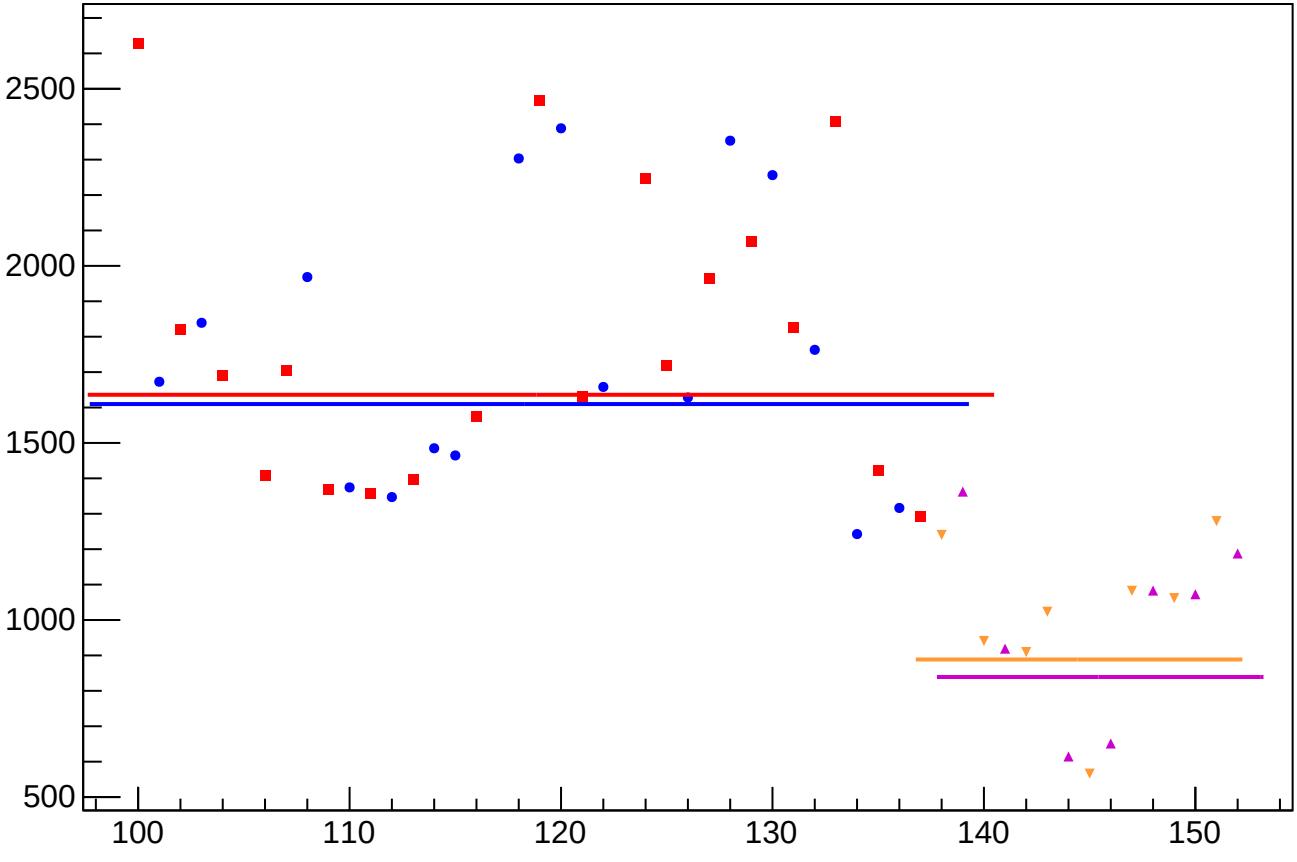
Left In: -177.094+/-356.136 χ^2/NDF:5.9/6

+ sign -1032.148+/-319.583 χ^2/NDF: 45.7/23

All: -754.698+/-221.816 χ^2/NDF: 68.7/49

- sign -496.793+/-308.121 χ^2/NDF: 21.5/25

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 888.566+/-0.264 χ^2/NDF:922113.2/7

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

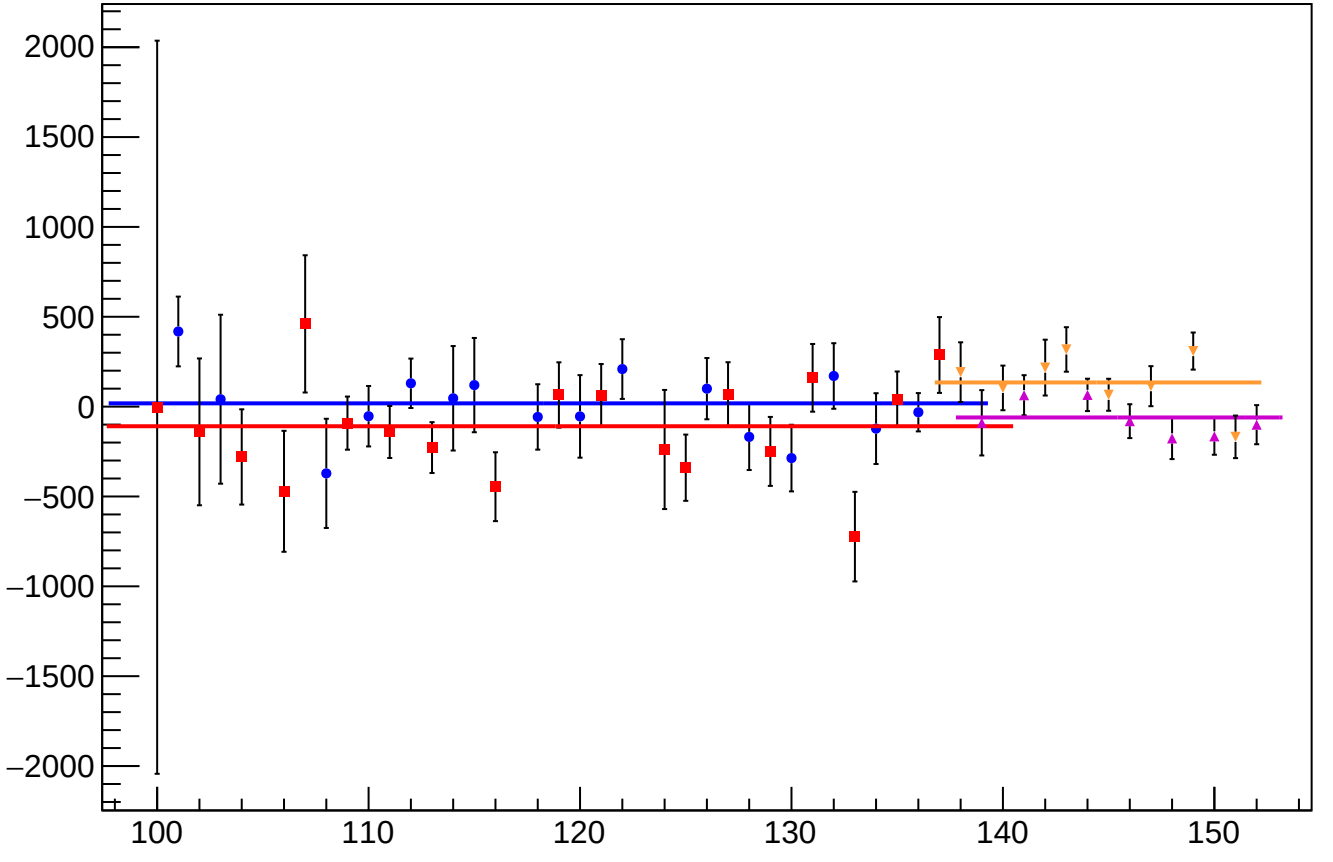
Left In: 839.060+/-0.252 χ^2/NDF:949606.1/6

+ sign 1082.680+/-0.226 χ^2/NDF: 3544920.5/23

All: 1060.289+/-0.157 χ^2/NDF: 7559994.4/49

- sign 1039.475+/-0.218 χ^2/NDF: 3996129.9/25

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 134.489+/-41.533 χ^2/NDF:12.7/7

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

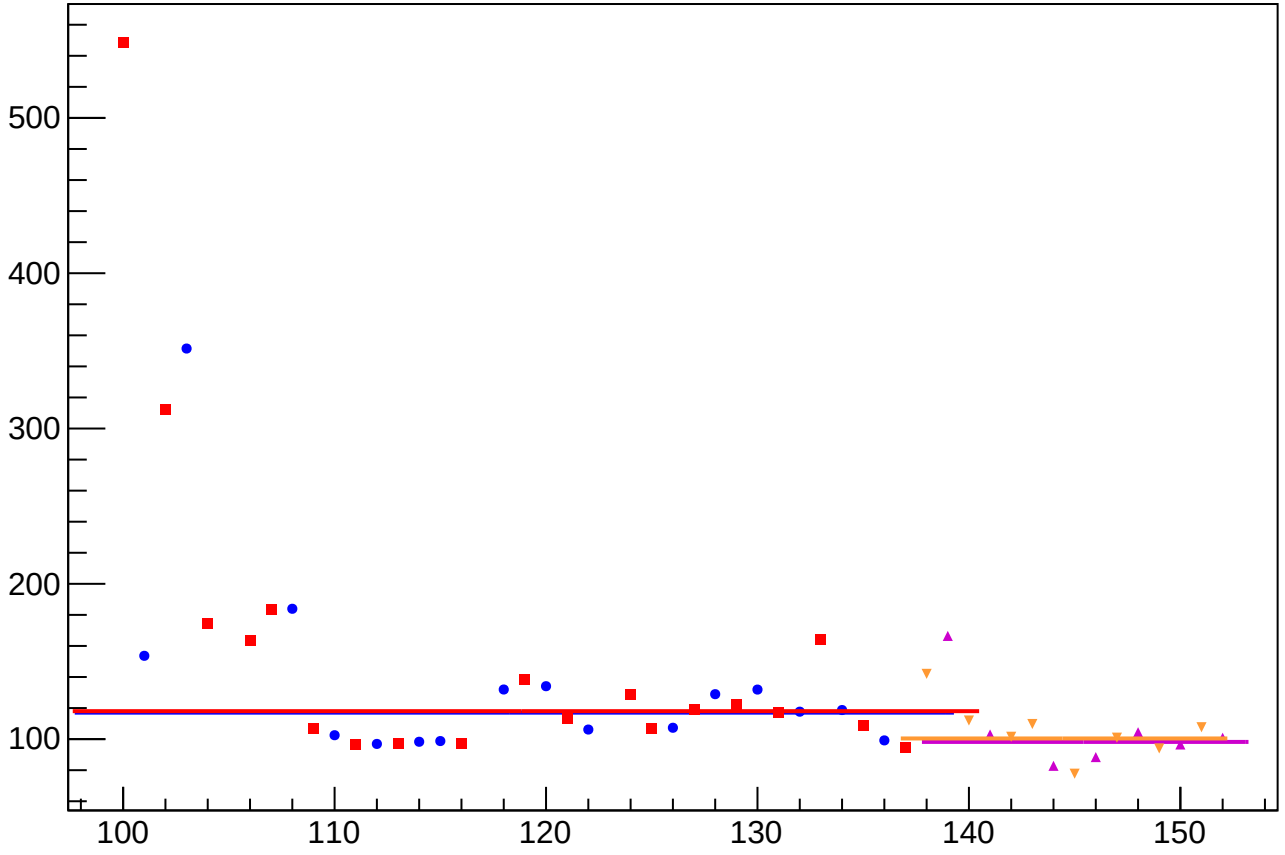
Left In: -60.289+/-40.764 χ^2/NDF:5.5/6

+ sign 81.889+/-30.737 χ^2/NDF: 30.1/23

All: -0.739+/-21.635 χ^2/NDF: 75.9/49

- sign -81.872+/-30.458 χ^2/NDF: 31.5/25

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.430+/-0.029 χ^2/NDF:299405.1/7

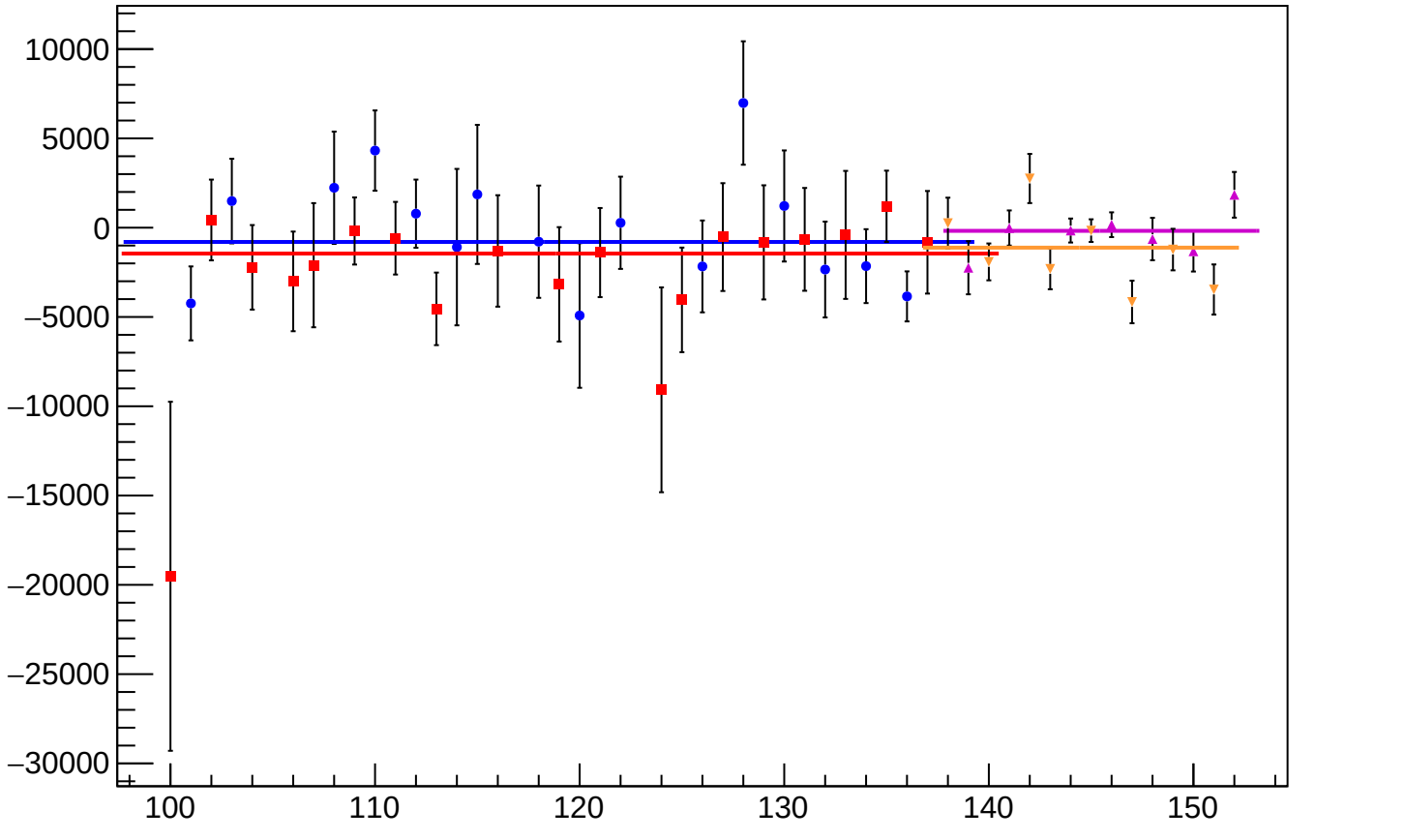
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.202+/-0.029 χ^2/NDF:373292.9/6

+ sign 107.953+/-0.022 χ^2/NDF: 1302880.4/23

All: 107.447+/-0.015 χ^2/NDF: 2872301.6/49

- sign 106.950+/-0.022 χ^2/NDF: 1568346.9/25



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1117.965+/-373.825 χ^2/NDF:22.1/7

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

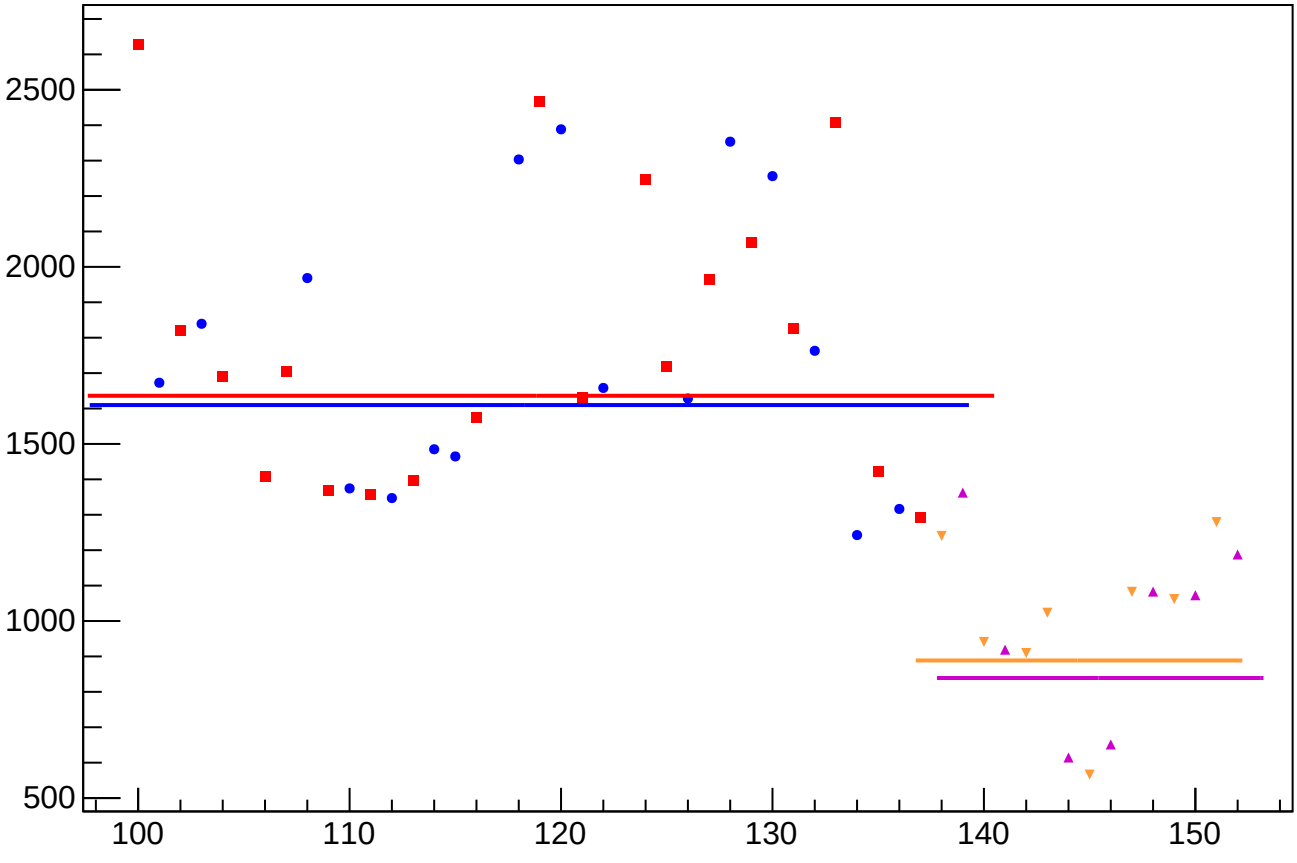
Left In: -177.094+/-356.136 χ^2/NDF:5.9/6

+ sign -1032.148+/-319.583 χ^2/NDF: 45.7/23

All: -754.698+/-221.816 χ^2/NDF: 68.7/49

- sign -496.793+/-308.121 χ^2/NDF: 21.5/25

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 888.566+/-0.264 χ^2/NDF:922113.2/7

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

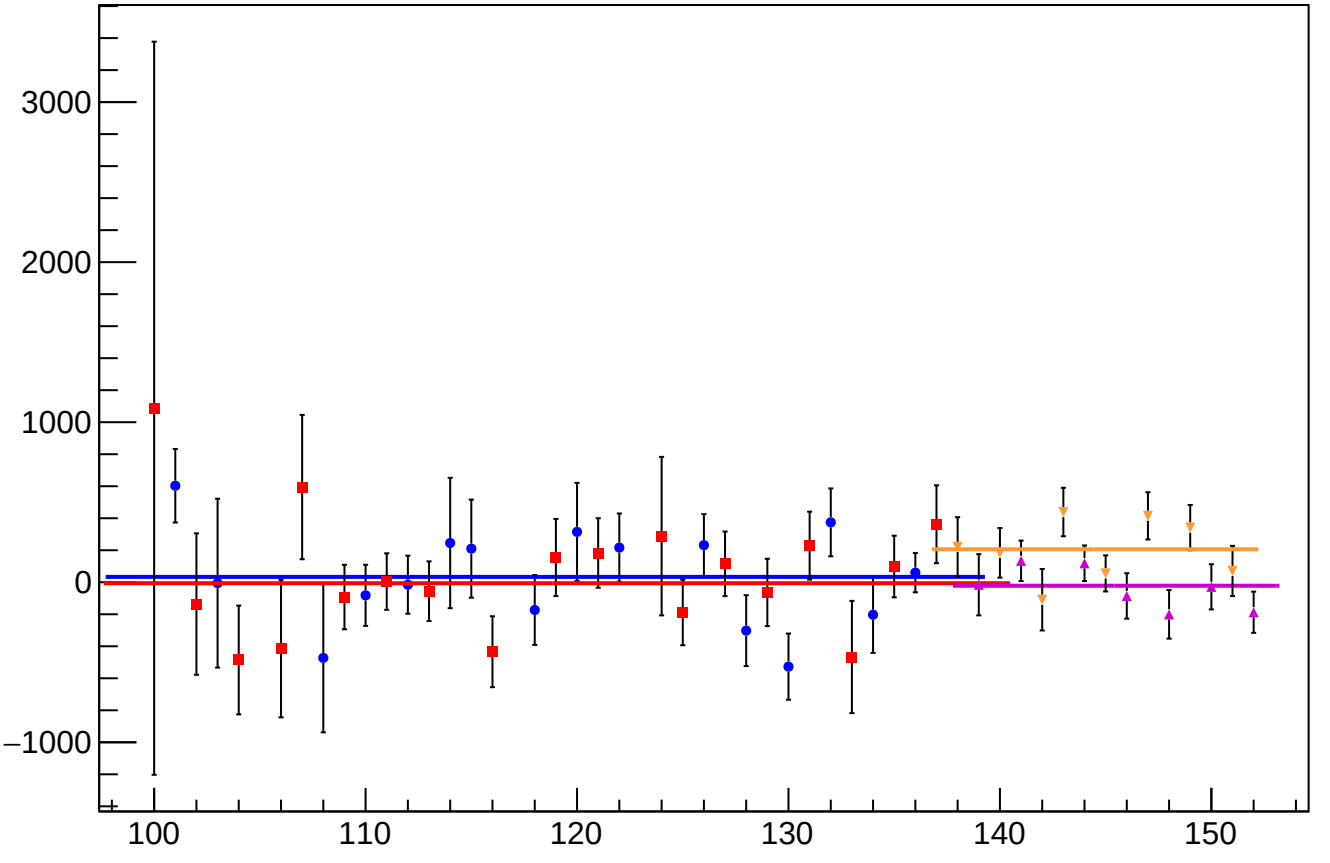
Left In: 839.060+/-0.252 χ^2/NDF:949606.1/6

+ sign 1082.680+/-0.226 χ^2/NDF: 3544920.5/23

All: 1060.289+/-0.157 χ^2/NDF: 7559994.4/49

- sign 1039.475+/-0.218 χ^2/NDF: 3996129.9/25

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 206.108+/-52.979 χ^2/NDF:10.5/7

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

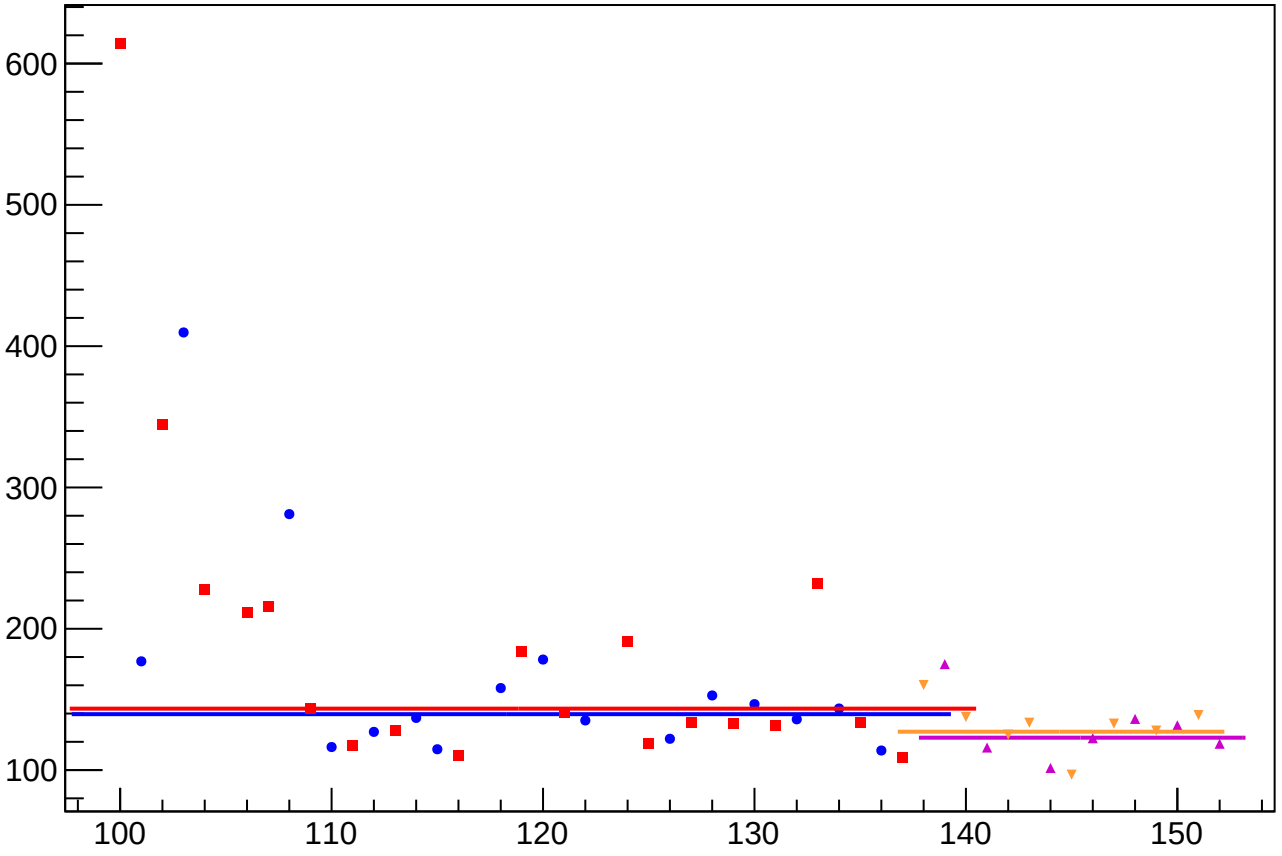
Left In: -21.766+/-51.693 χ^2/NDF:6.4/6

+ sign 122.874+/-38.126 χ^2/NDF: 40.8/23

All: 53.945+/-26.919 χ^2/NDF: 71.0/49

- sign -14.574+/-38.012 χ^2/NDF: 23.7/25

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 127.155+/-0.037 χ^2/NDF:235819.9/7

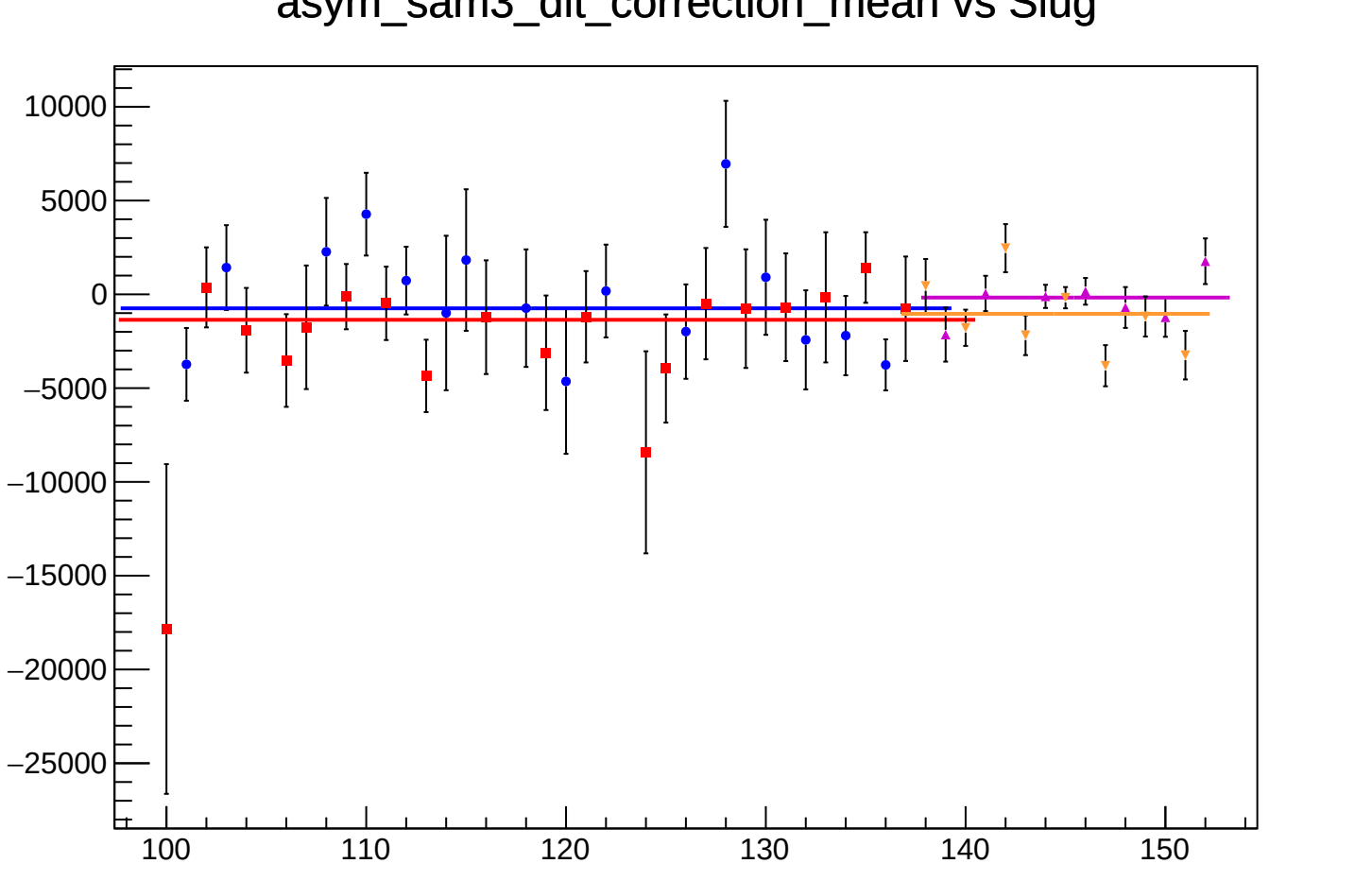
Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 122.923+/-0.037 χ^2/NDF:253872.0/6

+ sign 133.139+/-0.027 χ^2/NDF: 1265478.3/23

All: 132.750+/-0.019 χ^2/NDF: 2781687.9/49

- sign 132.364+/-0.027 χ^2/NDF: 1515795.3/25



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1040.427+/-343.401 χ^2/NDF:21.9/7

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

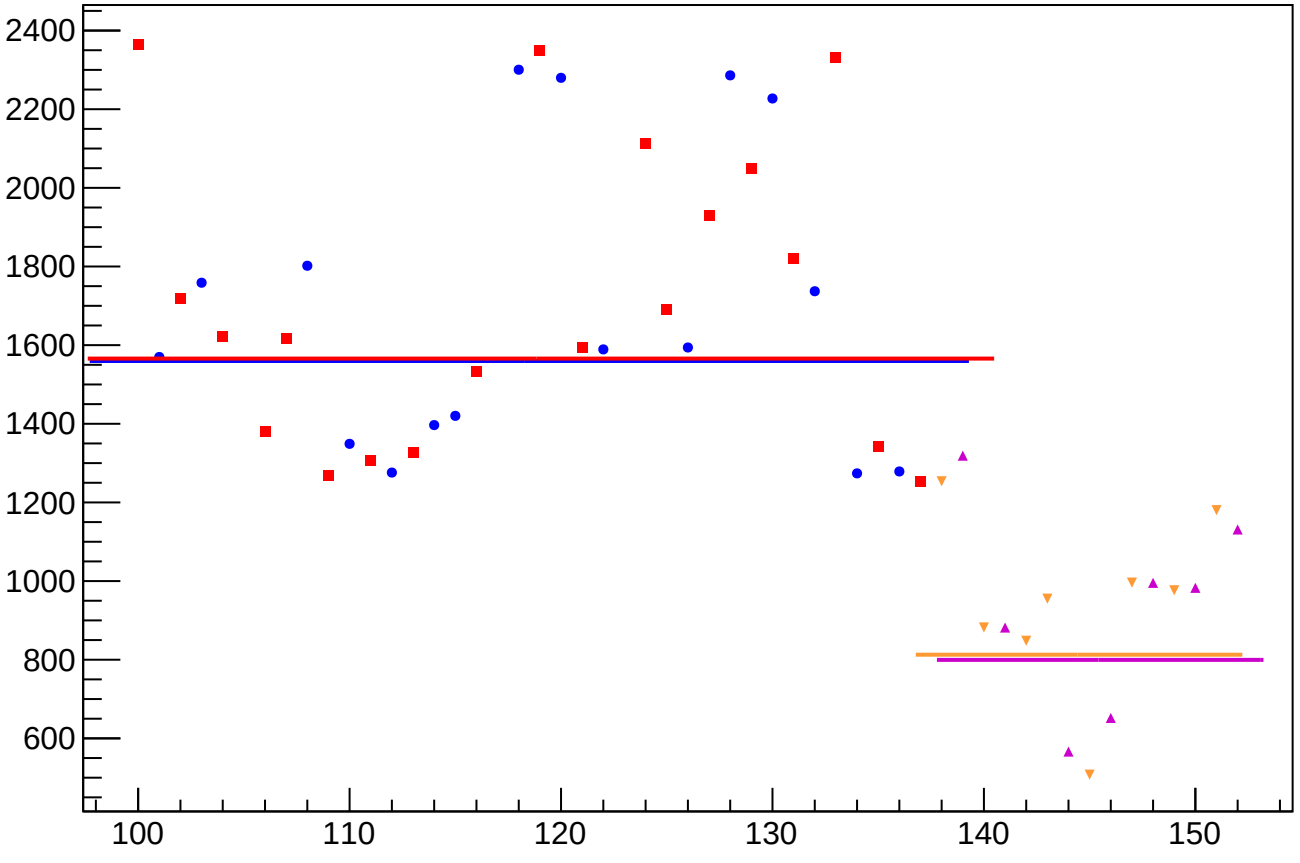
Left In: -171.604+/-340.099 χ^2/NDF:6.0/6

+ sign -966.681+/-297.522 χ^2/NDF: 45.5/23

All: -715.816+/-209.168 χ^2/NDF: 69.5/49

- sign -470.648+/-294.124 χ^2/NDF: 22.6/25

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 812.781+/-0.243 χ^2/NDF:1081808.5/7

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

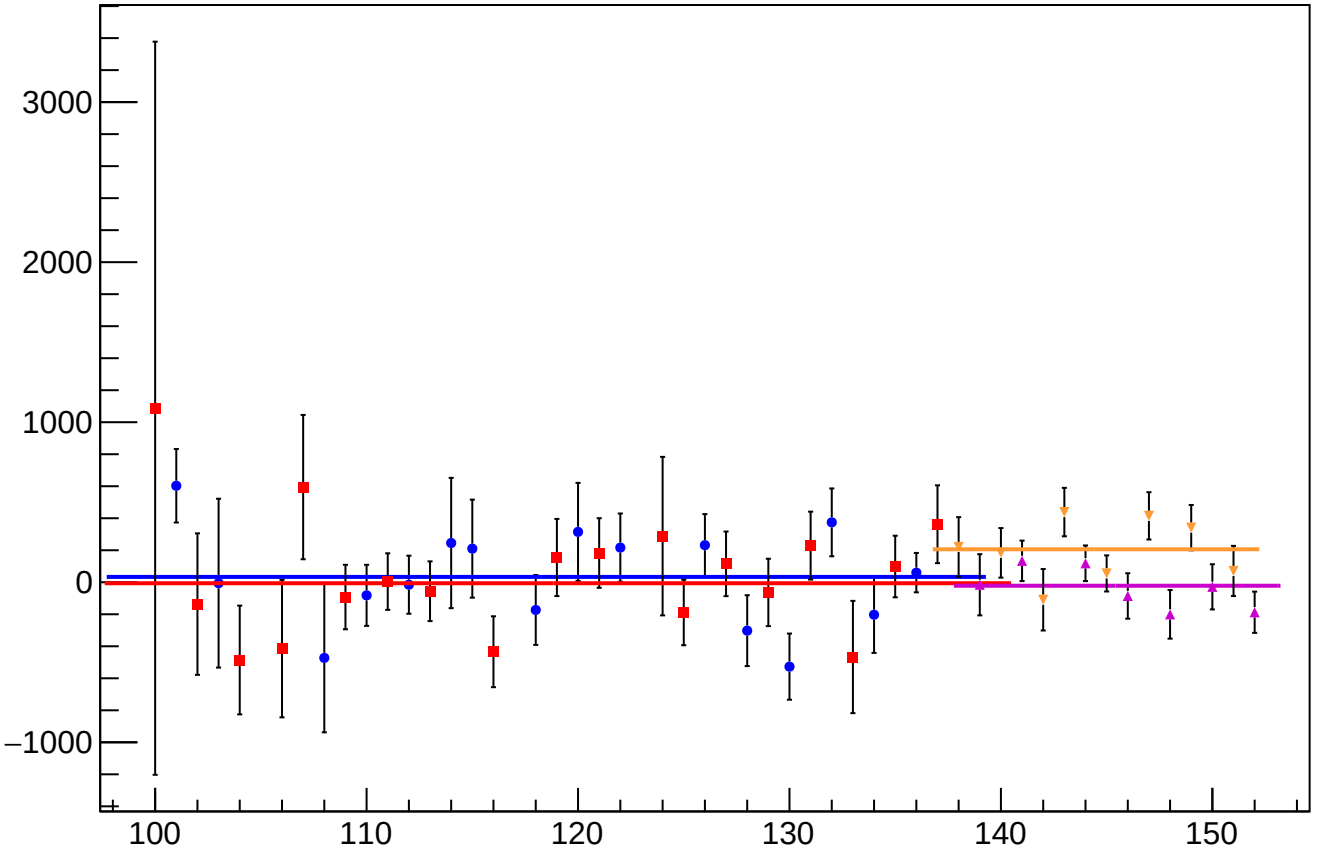
Left In: 799.623+/-0.240 χ^2/NDF:920933.2/6

+ sign 999.040+/-0.210 χ^2/NDF: 4045602.7/23

All: 995.868+/-0.148 χ^2/NDF: 8089641.7/49

- sign 992.768+/-0.208 χ^2/NDF: 4043589.5/25

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 206.109+/-52.980 χ^2/NDF:10.5/7

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

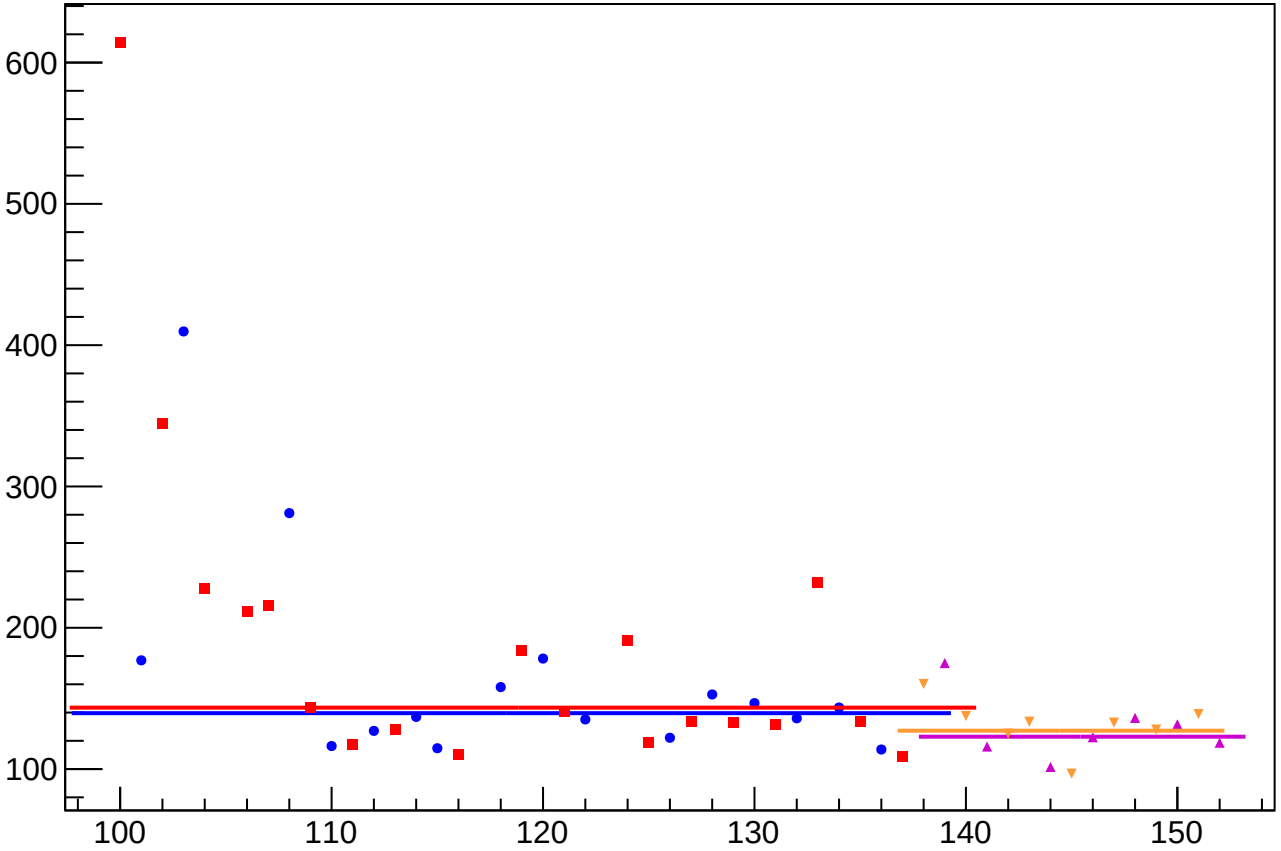
Left In: -21.766+/-51.693 χ^2/NDF:6.4/6

+ sign 122.873+/-38.126 χ^2/NDF: 40.8/23

All: 53.945+/-26.919 χ^2/NDF: 71.0/49

- sign -14.572+/-38.012 χ^2/NDF: 23.7/25

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 127.155+/-0.037 χ^2/NDF:235826.4/7

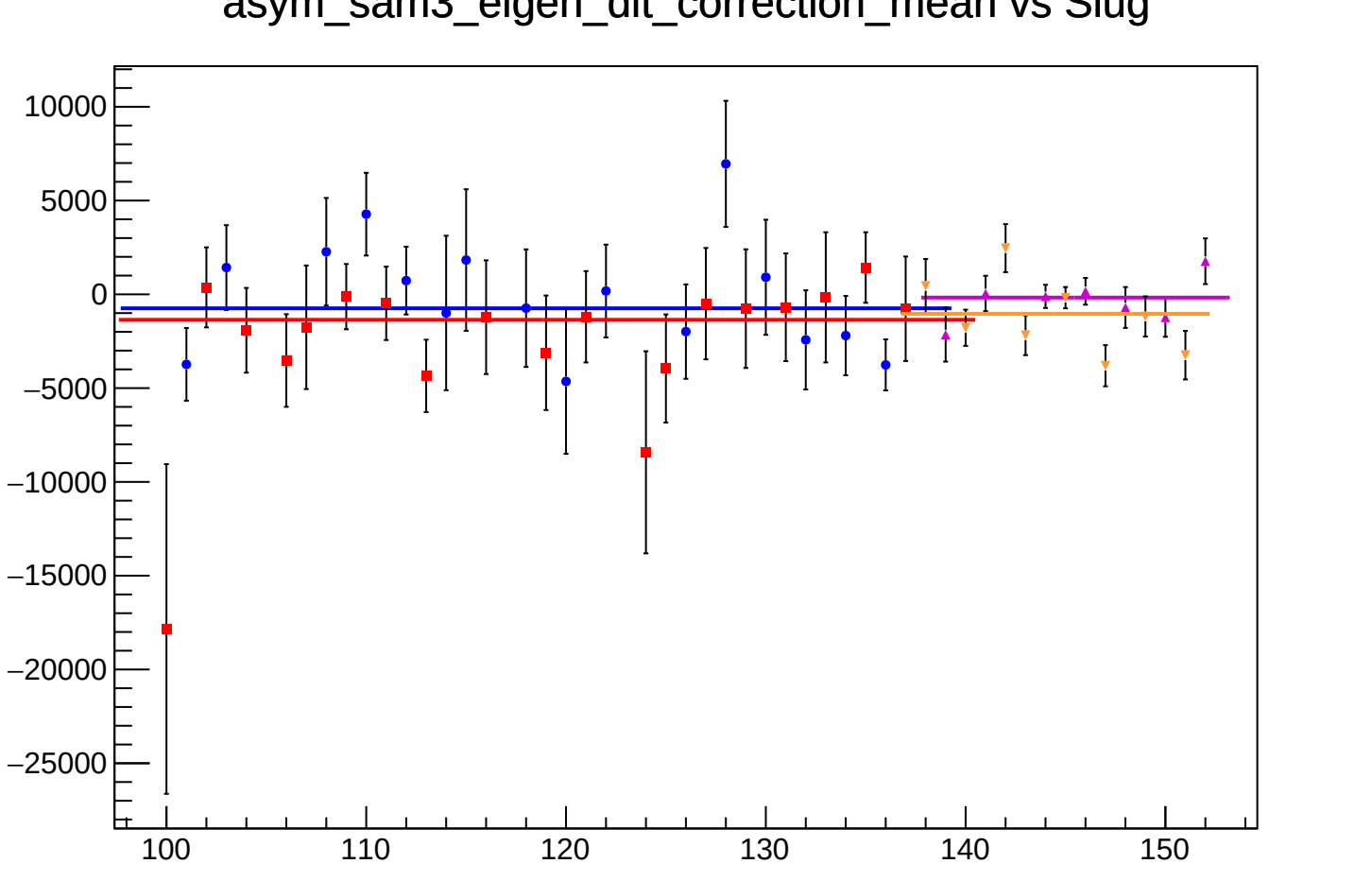
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 122.924+/-0.037 χ^2/NDF:253869.7/6

+ sign 133.139+/-0.027 χ^2/NDF: 1265483.6/23

All: 132.751+/-0.019 χ^2/NDF: 2781694.2/49

- sign 132.365+/-0.027 χ^2/NDF: 1515796.4/25



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1040.430+/-343.401 χ^2/NDF:21.9/7

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

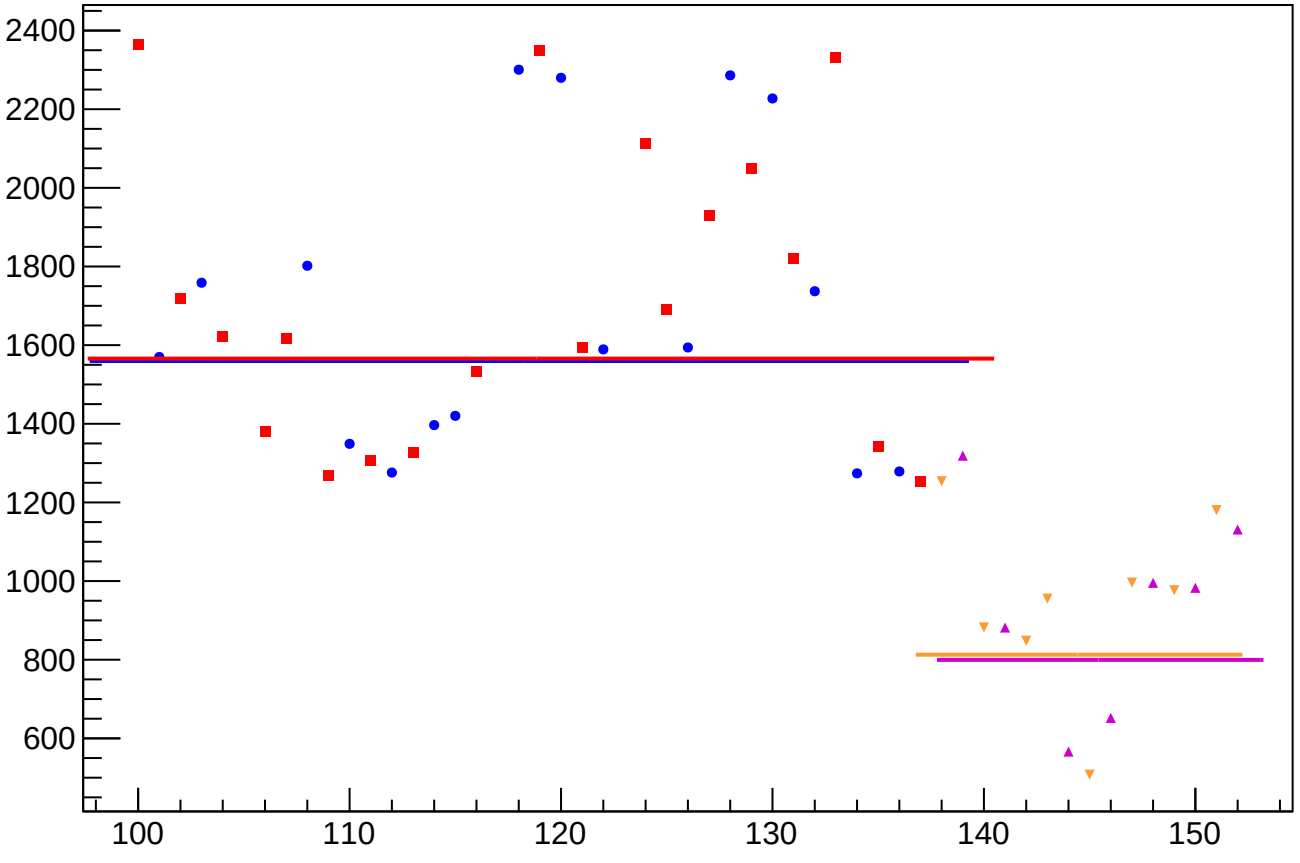
Left In: -171.603+/-340.099 χ^2/NDF:6.0/6

+ sign -966.682+/-297.521 χ^2/NDF: 45.5/23

All: -715.816+/-209.168 χ^2/NDF: 69.5/49

- sign -470.647+/-294.124 χ^2/NDF: 22.6/25

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 812.781+/-0.243 χ^2/NDF:1081808.0/7

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

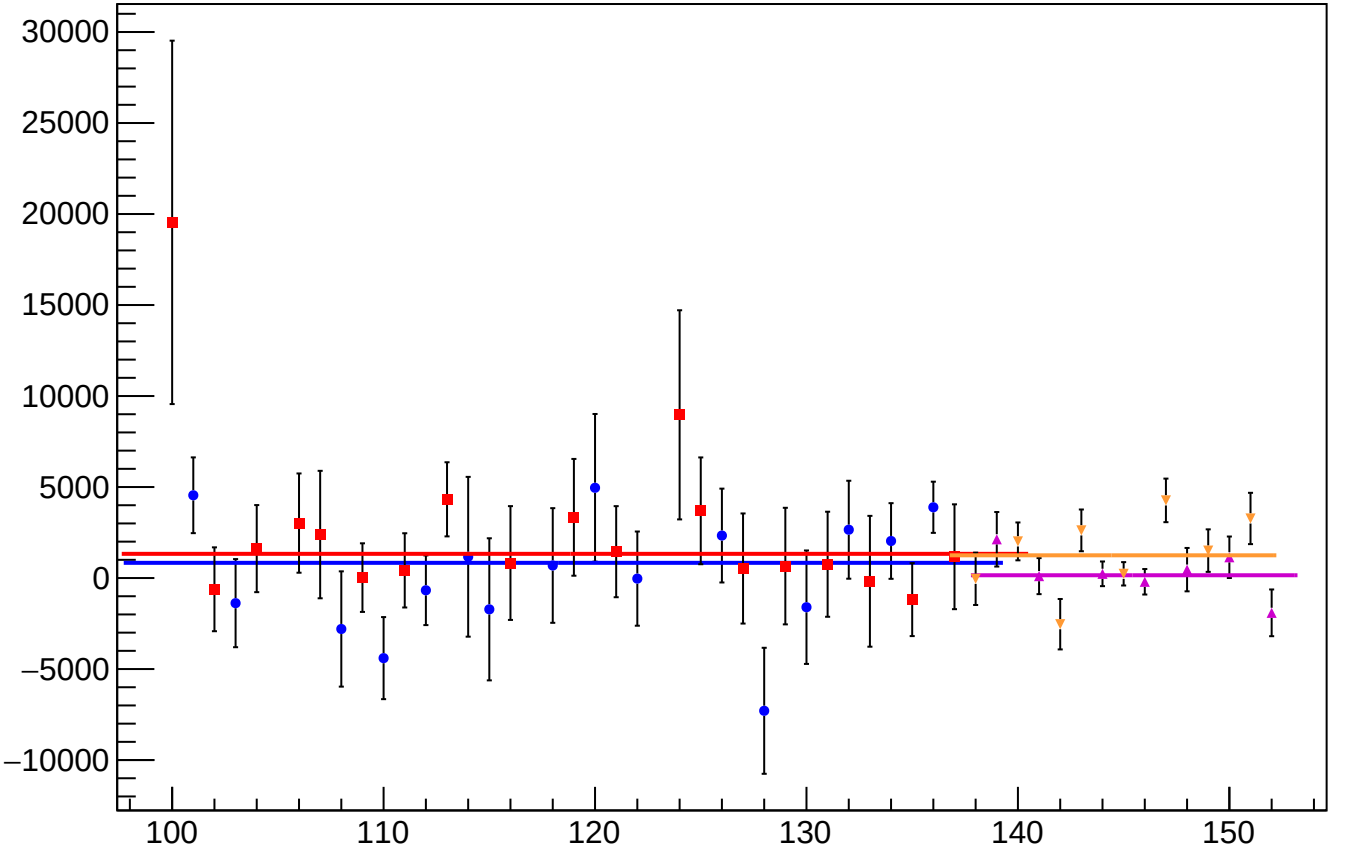
Left In: 799.622+/-0.240 χ^2/NDF:920932.3/6

+ sign 999.039+/-0.210 χ^2/NDF: 4045602.5/23

All: 995.867+/-0.148 χ^2/NDF: 8089636.3/49

- sign 992.767+/-0.208 χ^2/NDF: 4043584.4/25

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1248.946+/-376.574 χ^2/NDF:21.2/7

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

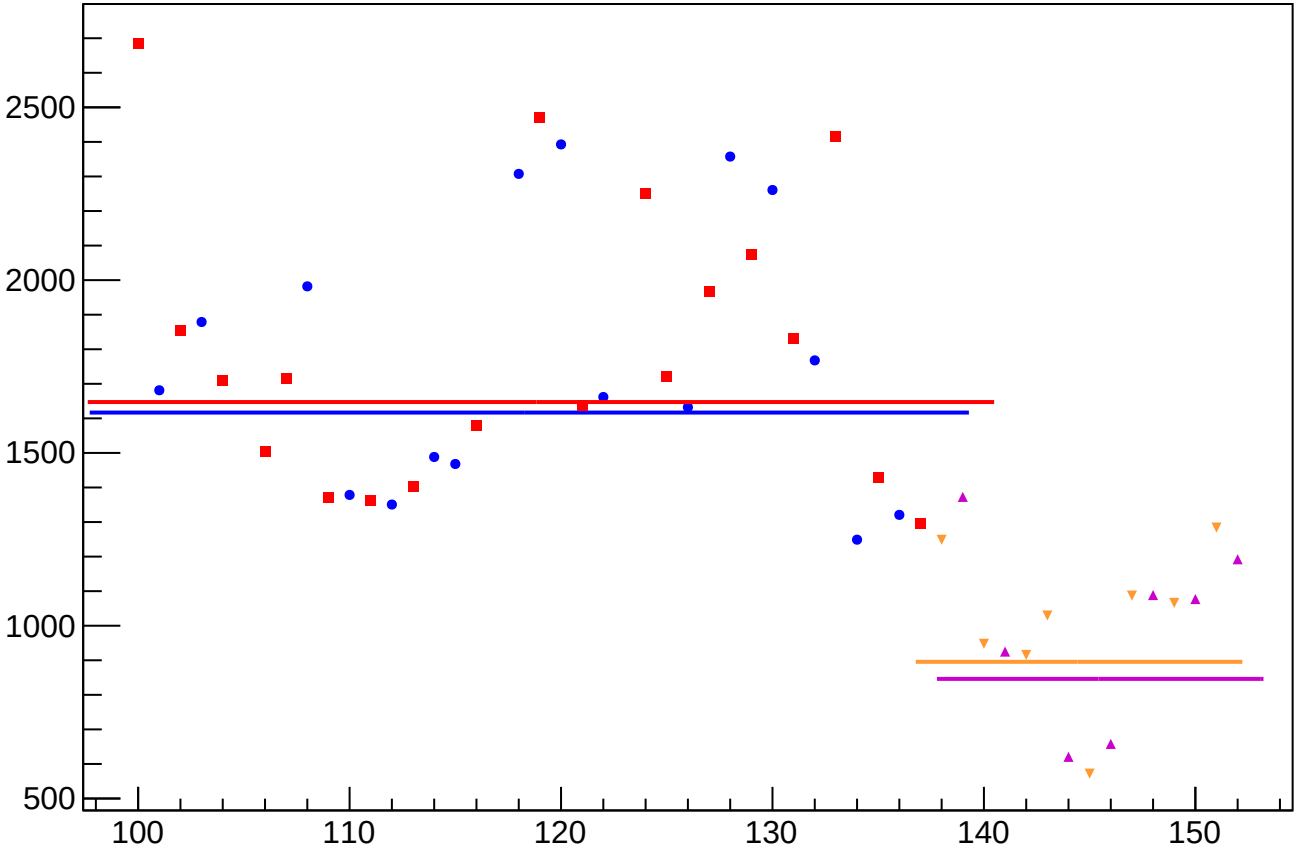
Left In: 153.170+/-358.920 χ^2/NDF:5.4/6

+ sign 1137.205+/-321.686 χ^2/NDF: 46.4/23

All: 781.608+/-223.284 χ^2/NDF: 69.1/49

- sign 451.011+/-310.172 χ^2/NDF: 20.3/25

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 895.585+/-0.266 χ^2/NDF:907489.0/7

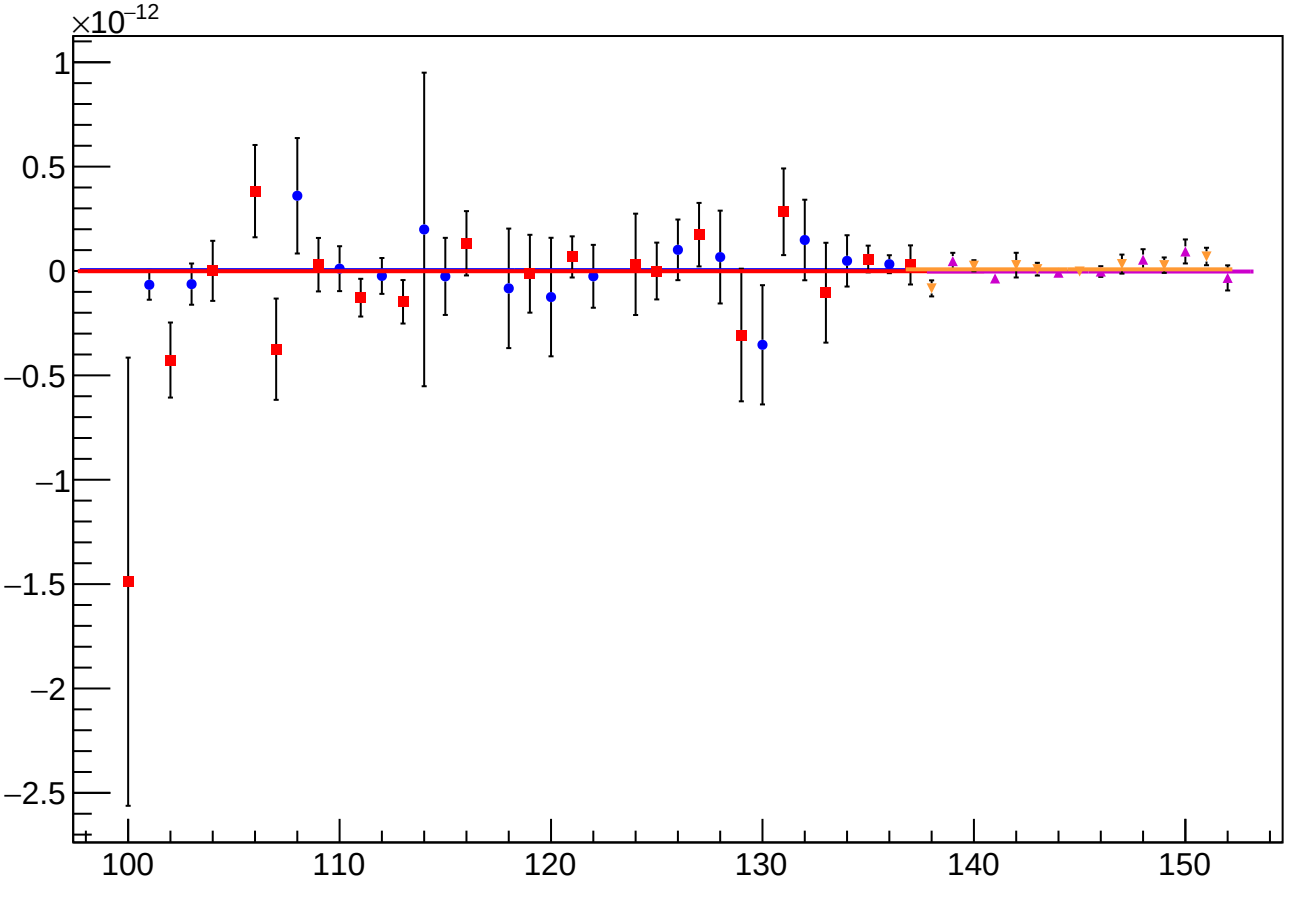
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 846.146+/-0.254 χ^2/NDF:936118.6/6

+ sign 1090.506+/-0.227 χ^2/NDF: 3512454.6/23

All: 1068.981+/-0.158 χ^2/NDF: 7512207.6/49

- sign 1048.970+/-0.219 χ^2/NDF: 3982473.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/7

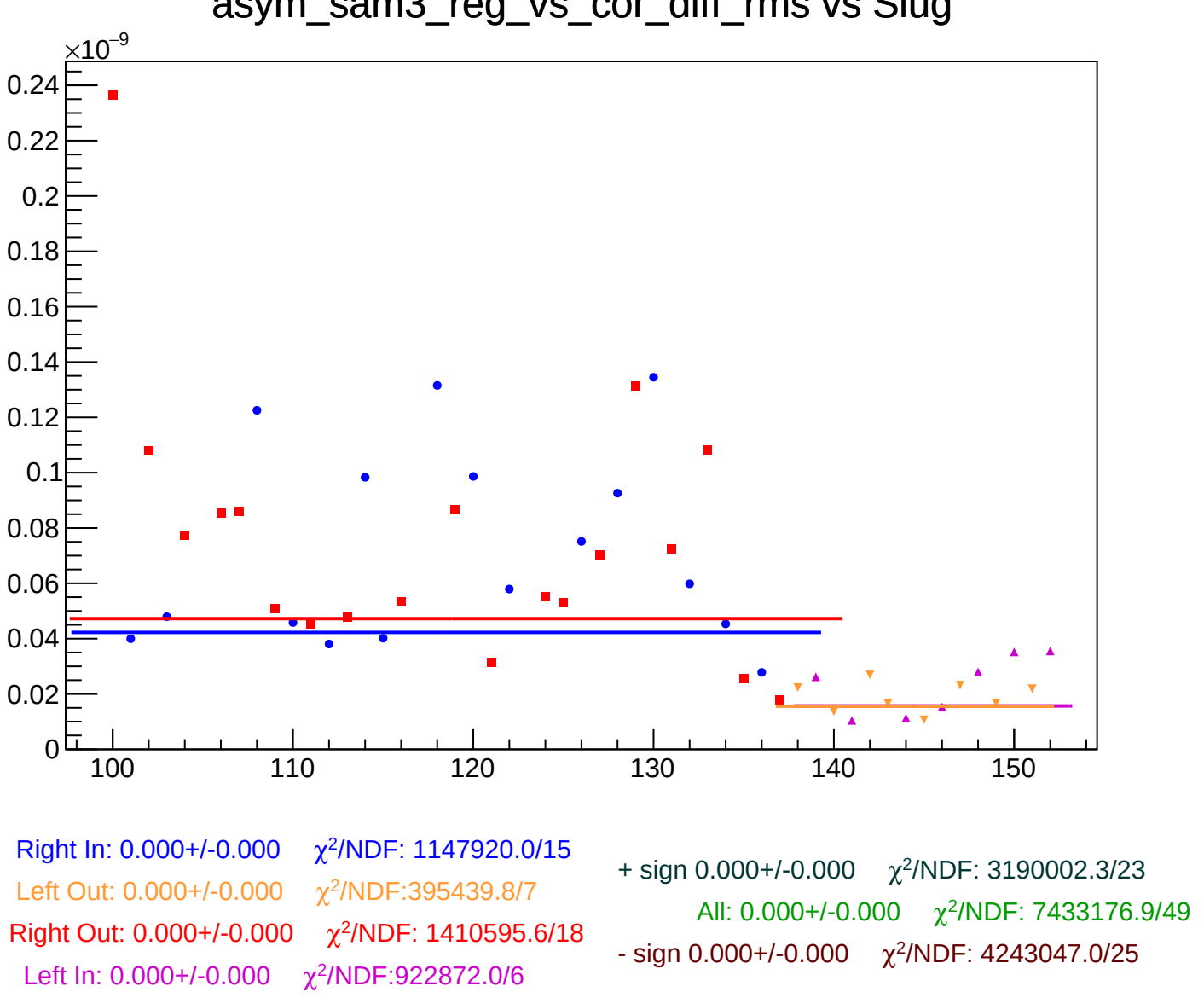
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/6

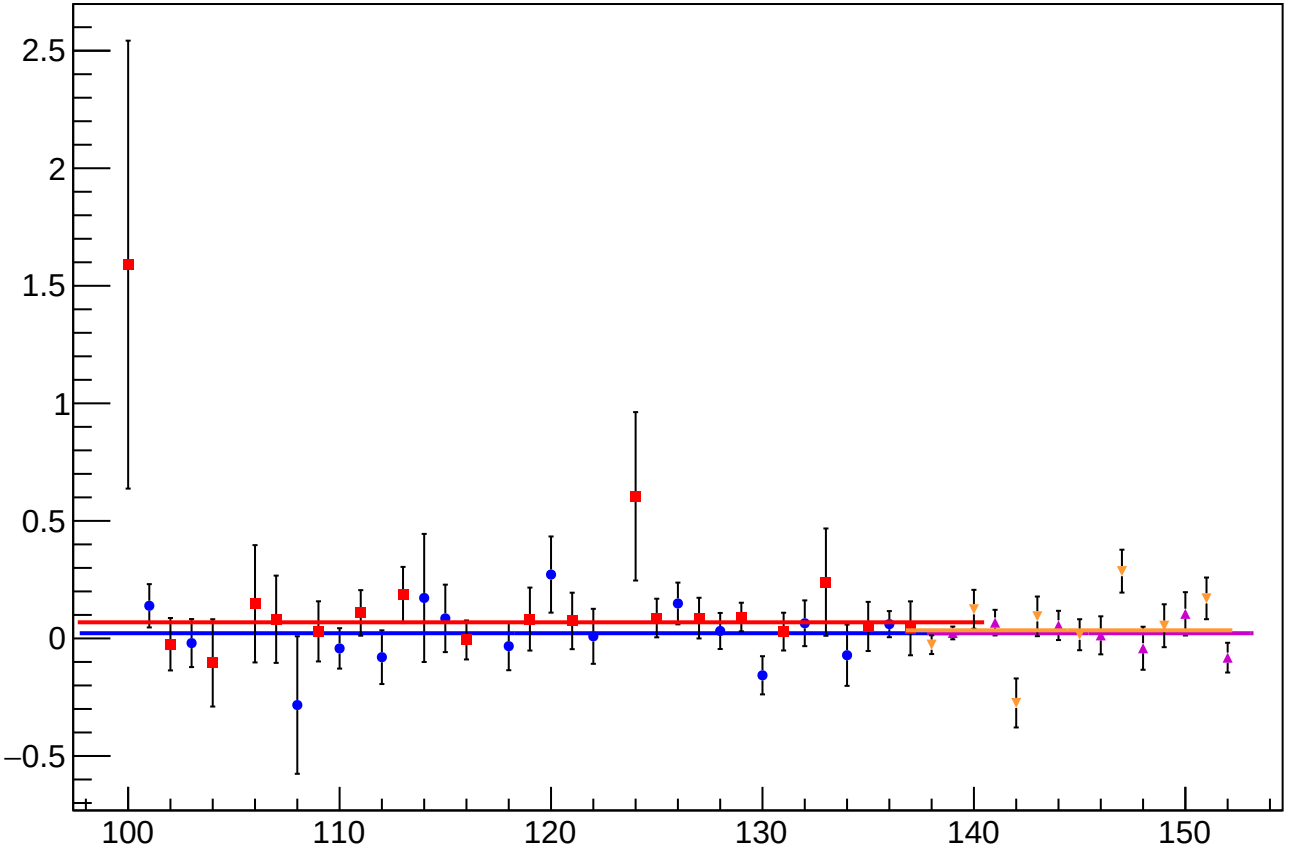
+ sign 0.000+/-0.000 χ^2/NDF: 16.1/23

All: 0.000+/-0.000 χ^2/NDF: 48.0/49

- sign -0.000+/-0.000 χ^2/NDF: 31.4/25


asym_sam3_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1147920.0/15
Left Out: 0.000+/-0.000 χ²/NDF:395439.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 1410595.6/18
Left In: 0.000+/-0.000 χ²/NDF:922872.0/6
+ sign 0.000+/-0.000 χ²/NDF: 3190002.3/23
All: 0.000+/-0.000 χ²/NDF: 7433176.9/49
- sign 0.000+/-0.000 χ²/NDF: 4243047.0/25

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.035+/-0.025 χ^2/NDF:22.9/7

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

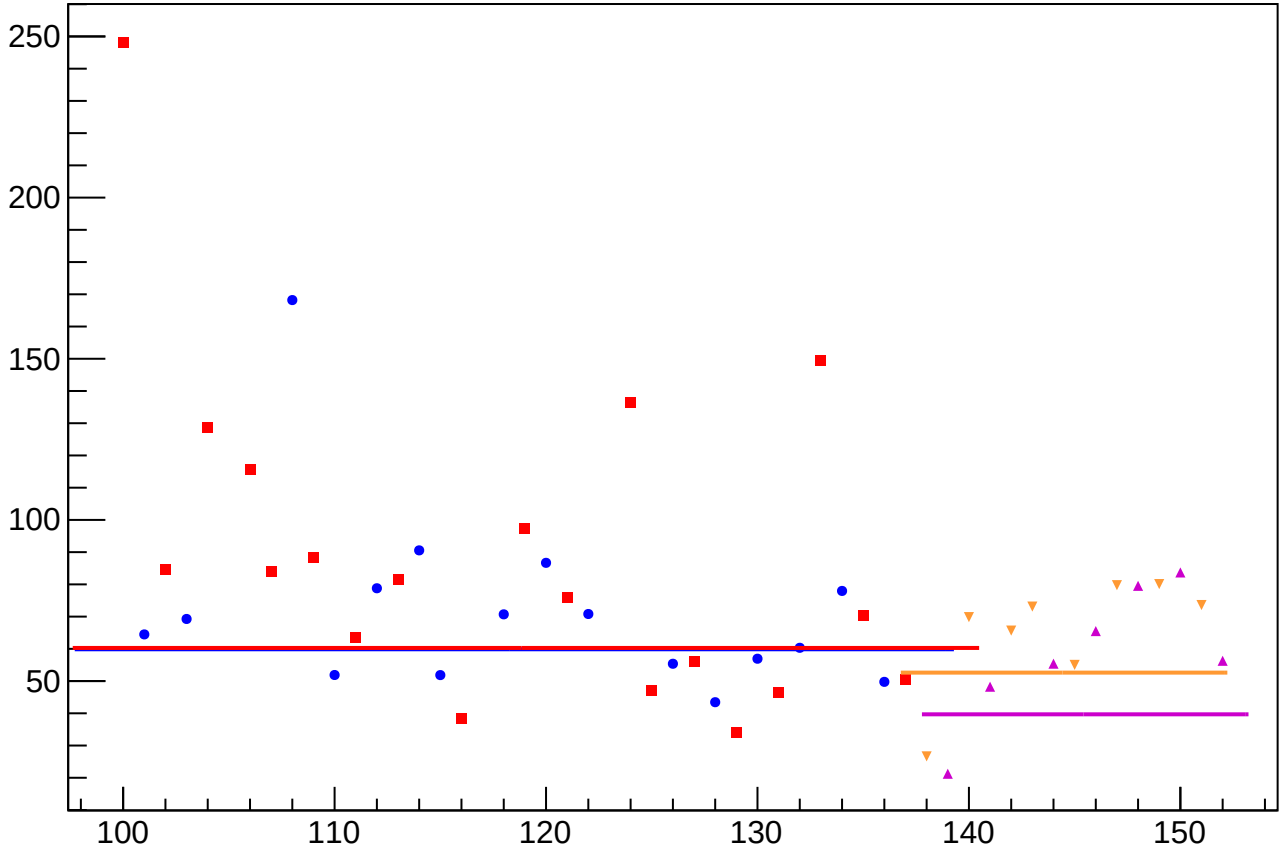
Left In: 0.022+/-0.020 χ^2/NDF:5.0/6

+ sign 0.028+/-0.018 χ^2/NDF: 38.5/23

All: 0.035+/-0.012 χ^2/NDF: 55.4/49

- sign 0.040+/-0.016 χ^2/NDF: 16.7/25

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 52.624+/-0.018 χ^2/NDF:1560227.5/7

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

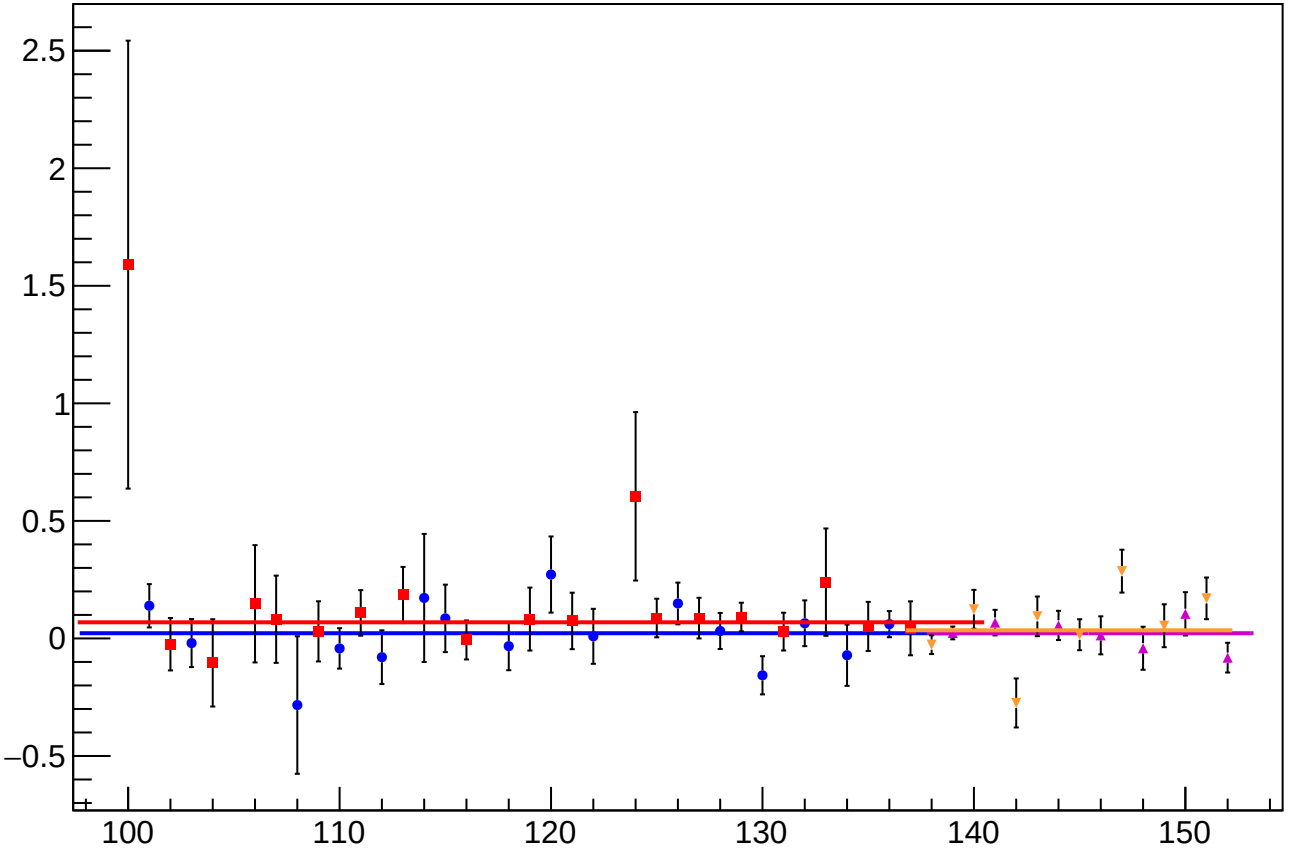
Left In: 39.686+/-0.014 χ^2/NDF:2278039.6/6

+ sign 56.285+/-0.012 χ^2/NDF: 2344426.7/23

All: 51.317+/-0.008 χ^2/NDF: 7713177.9/49

- sign 47.435+/-0.011 χ^2/NDF: 5083032.2/25

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.035+/-0.025 χ^2/NDF:22.9/7

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

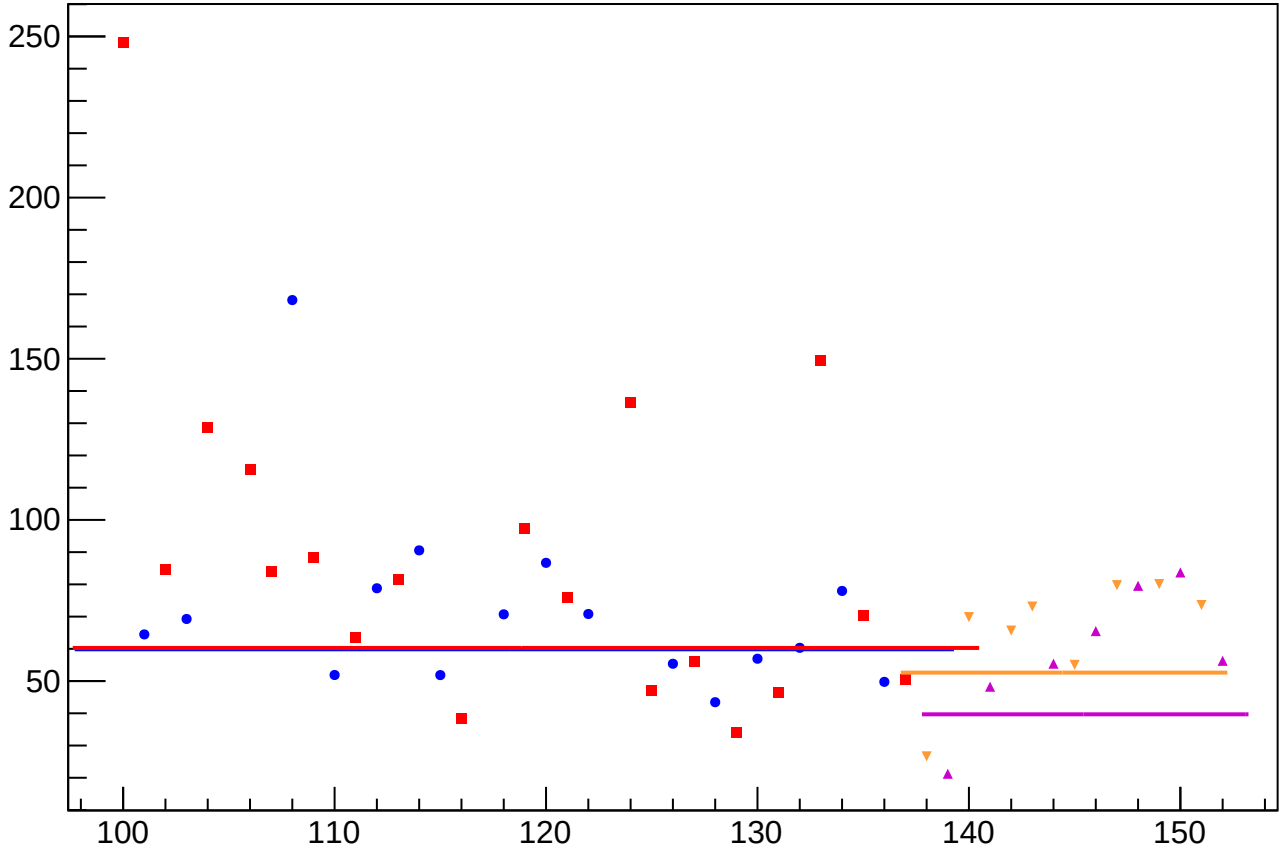
Left In: 0.022+/-0.020 χ^2/NDF:5.0/6

+ sign 0.028+/-0.018 χ^2/NDF: 38.5/23

All: 0.035+/-0.012 χ^2/NDF: 55.4/49

- sign 0.040+/-0.016 χ^2/NDF: 16.7/25

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 52.624+/-0.018 χ^2/NDF:1560227.5/7

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

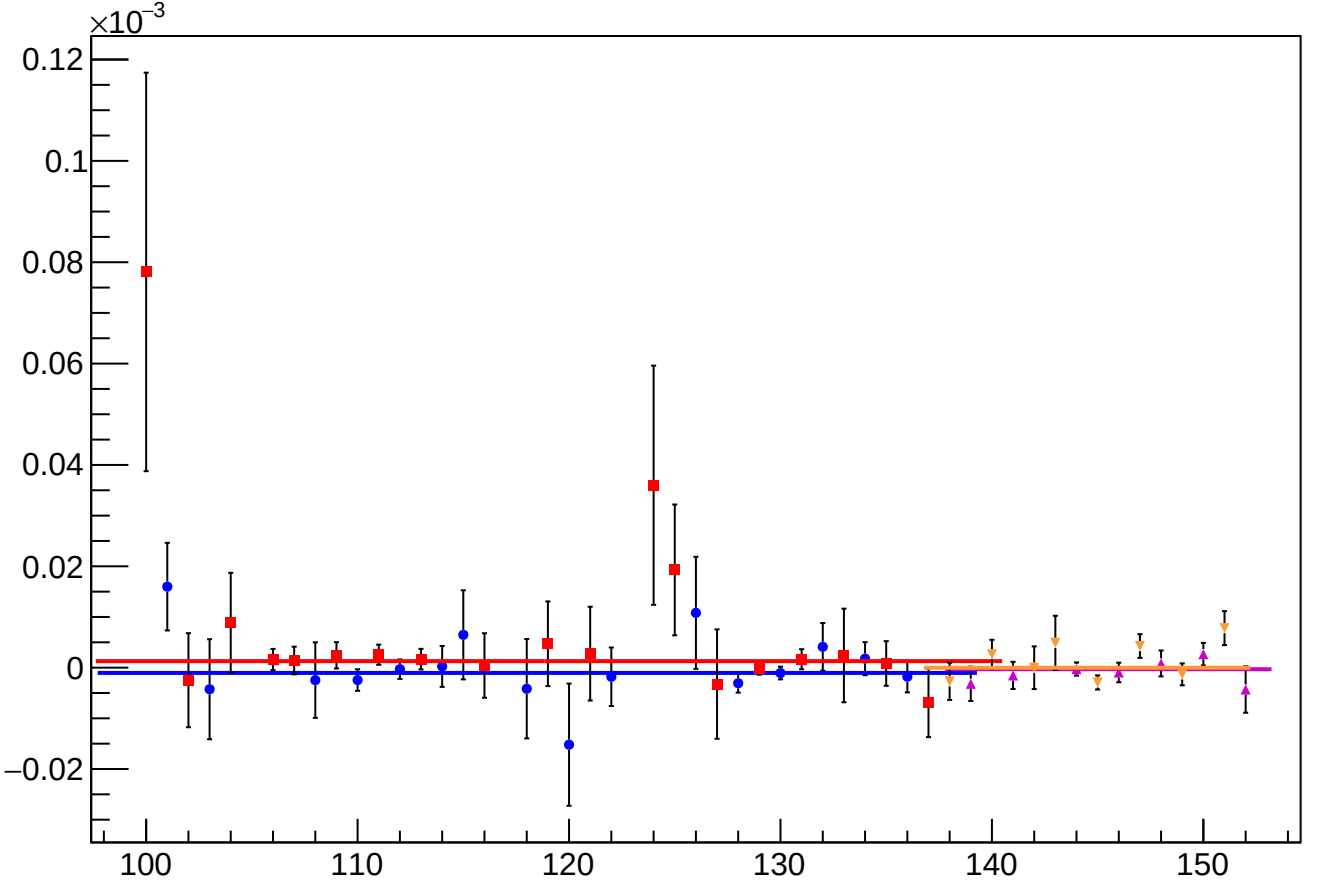
Left In: 39.686+/-0.014 χ^2/NDF:2278039.6/6

+ sign 56.285+/-0.012 χ^2/NDF: 2344426.7/23

All: 51.317+/-0.008 χ^2/NDF: 7713177.9/49

- sign 47.435+/-0.011 χ^2/NDF: 5083032.2/25

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:15.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

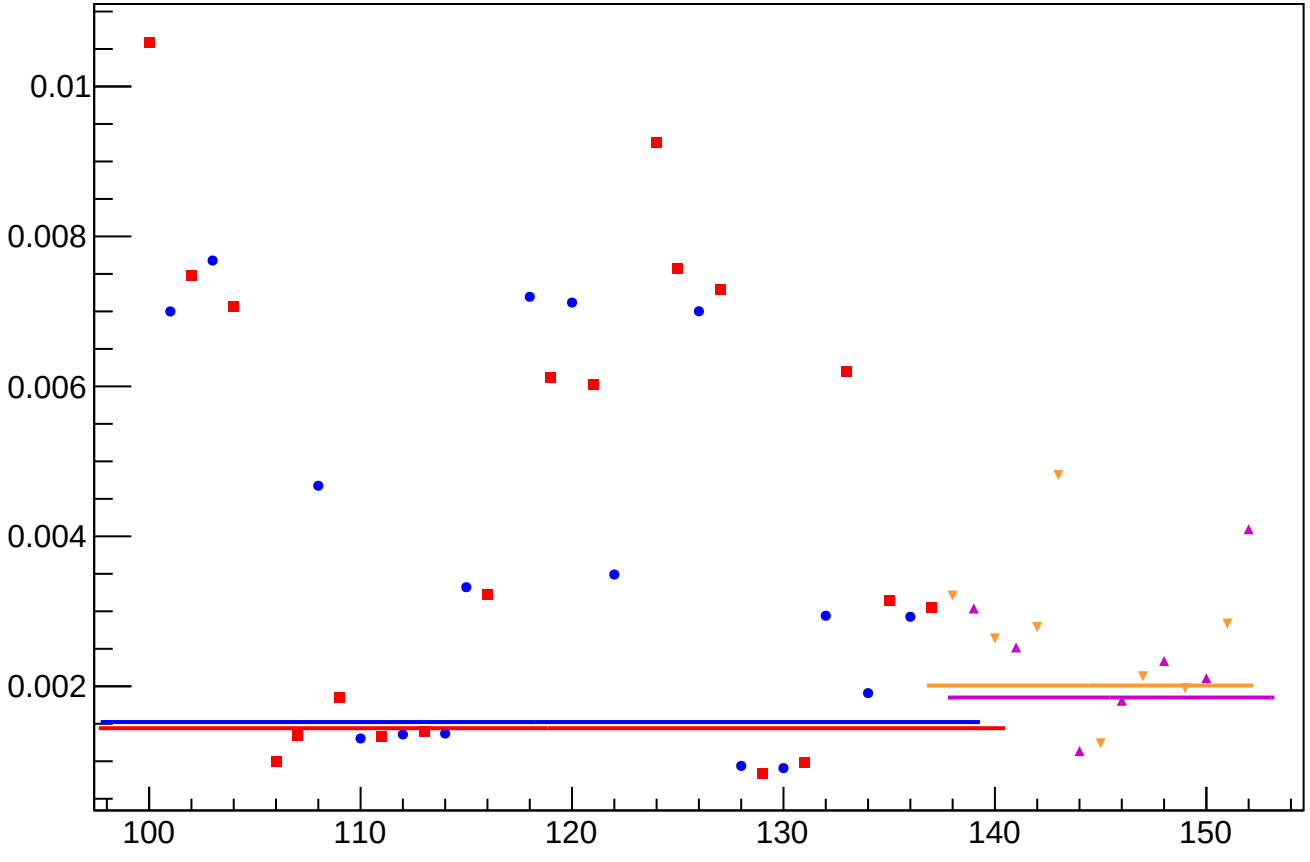
Left In: -0.000+/-0.000 χ^2/NDF:3.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 27.7/23

All: 0.000+/-0.000 χ^2/NDF: 48.6/49

- sign 0.000+/-0.000 χ^2/NDF: 18.4/25

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1661783.0/7

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

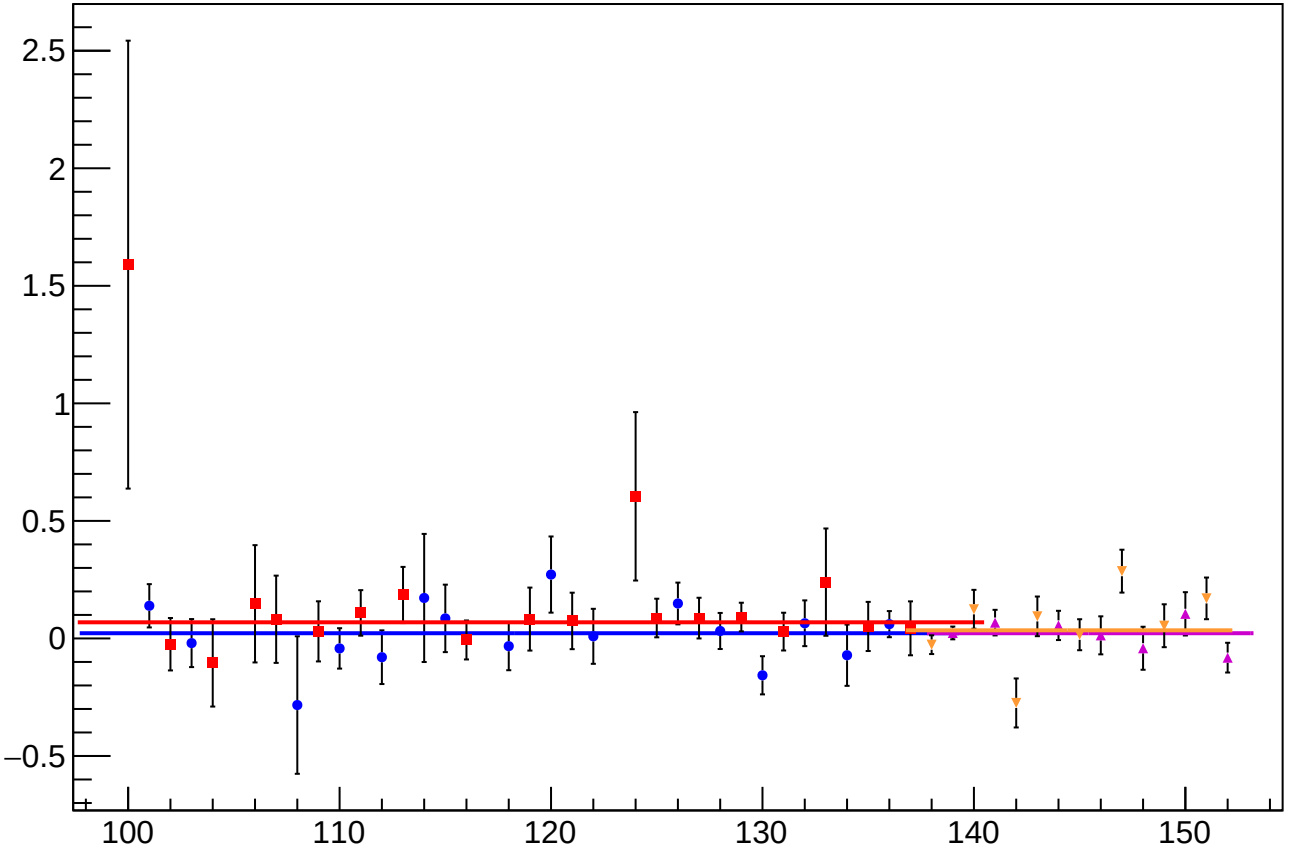
Left In: 0.002+/-0.000 χ^2/NDF:1548513.2/6

+ sign 0.002+/-0.000 χ^2/NDF: 7203299.6/23

All: 0.002+/-0.000 χ^2/NDF: 14869851.2/49

- sign 0.002+/-0.000 χ^2/NDF: 7625701.9/25

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.035+/-0.025 χ^2/NDF:22.9/7

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

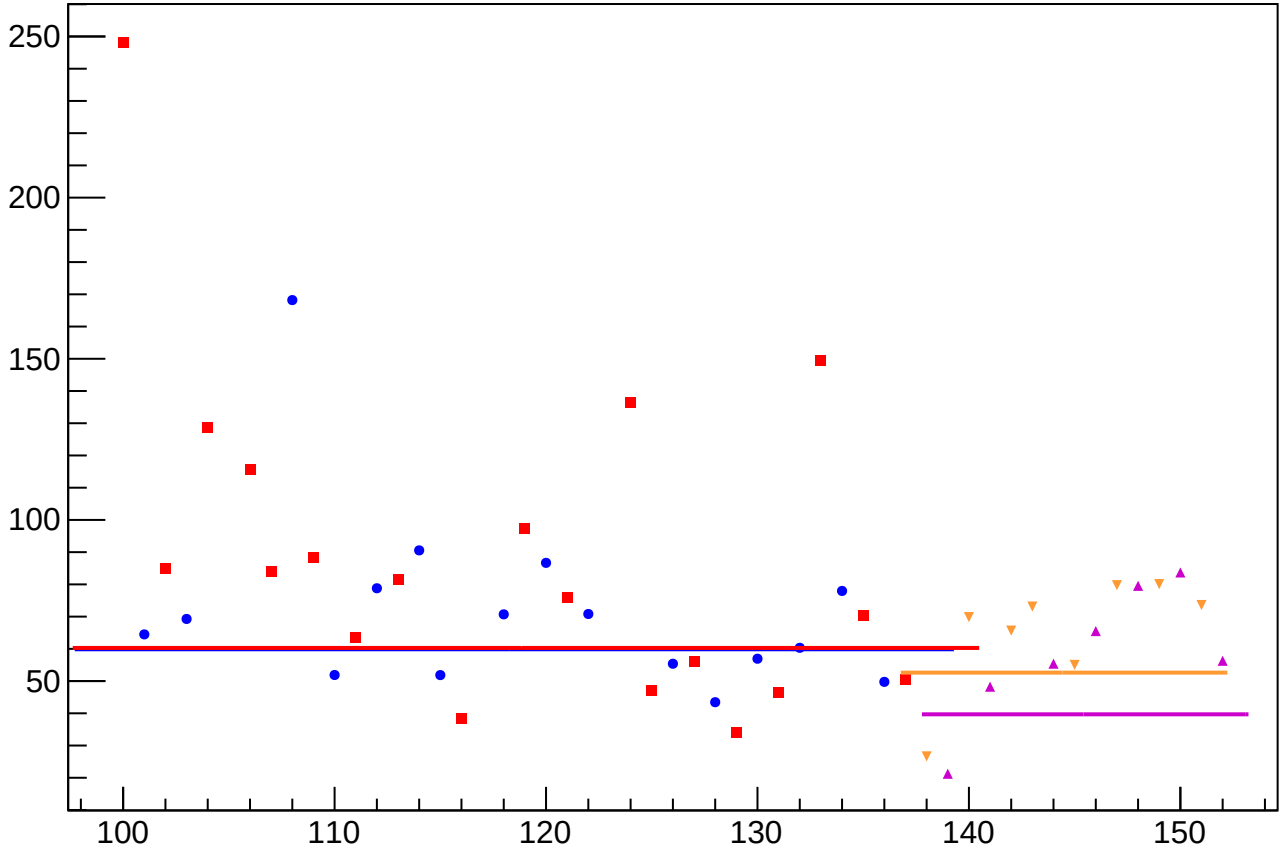
Left In: 0.022+/-0.020 χ^2/NDF:5.0/6

+ sign 0.028+/-0.018 χ^2/NDF: 38.5/23

All: 0.035+/-0.012 χ^2/NDF: 55.4/49

- sign 0.040+/-0.016 χ^2/NDF: 16.7/25

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 52.622+/-0.018 χ^2/NDF:1560554.7/7

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

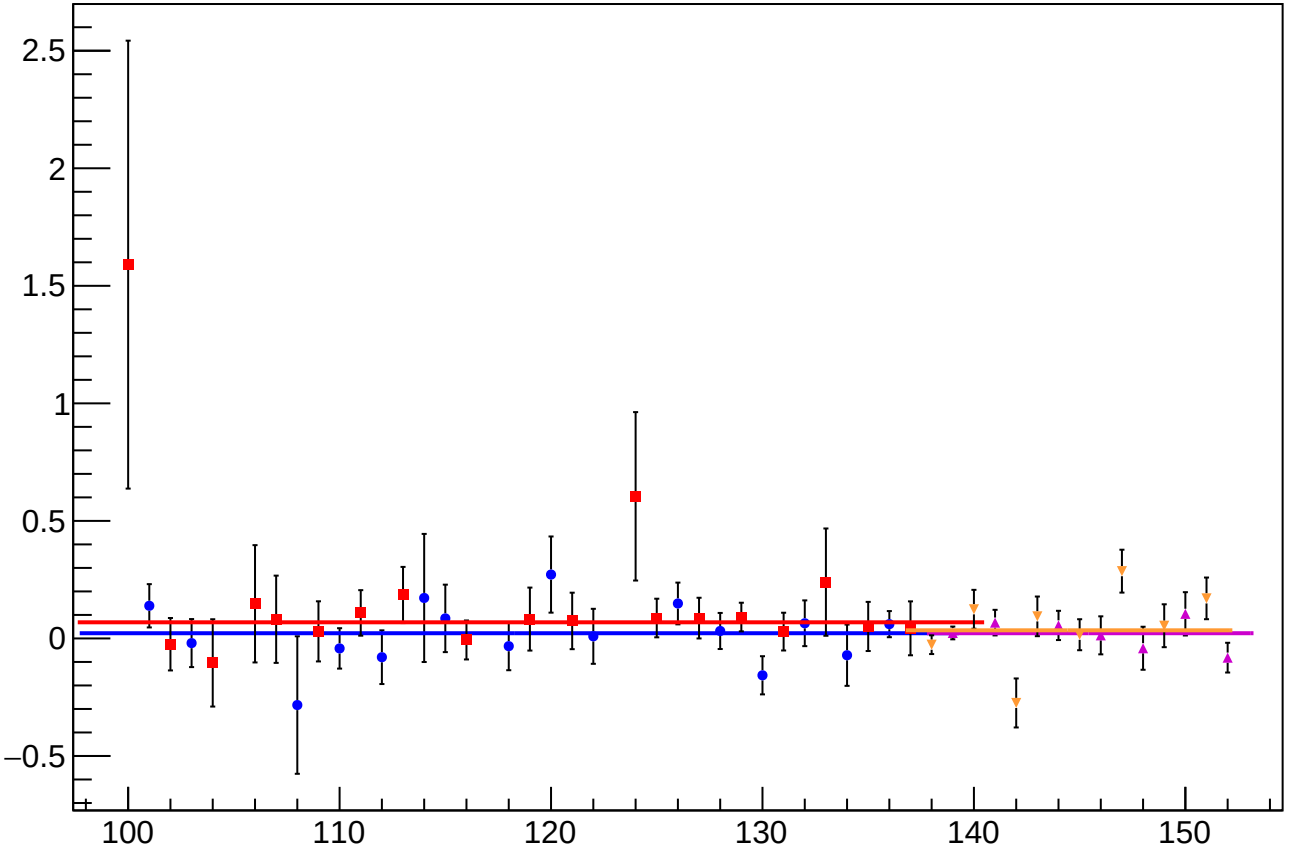
Left In: 39.684+/-0.014 χ^2/NDF:2278341.4/6

+ sign 56.285+/-0.012 χ^2/NDF: 2344857.4/23

All: 51.317+/-0.008 χ^2/NDF: 7714151.2/49

- sign 47.435+/-0.011 χ^2/NDF: 5083544.3/25

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: 0.035+/-0.025 χ^2/NDF:22.9/7

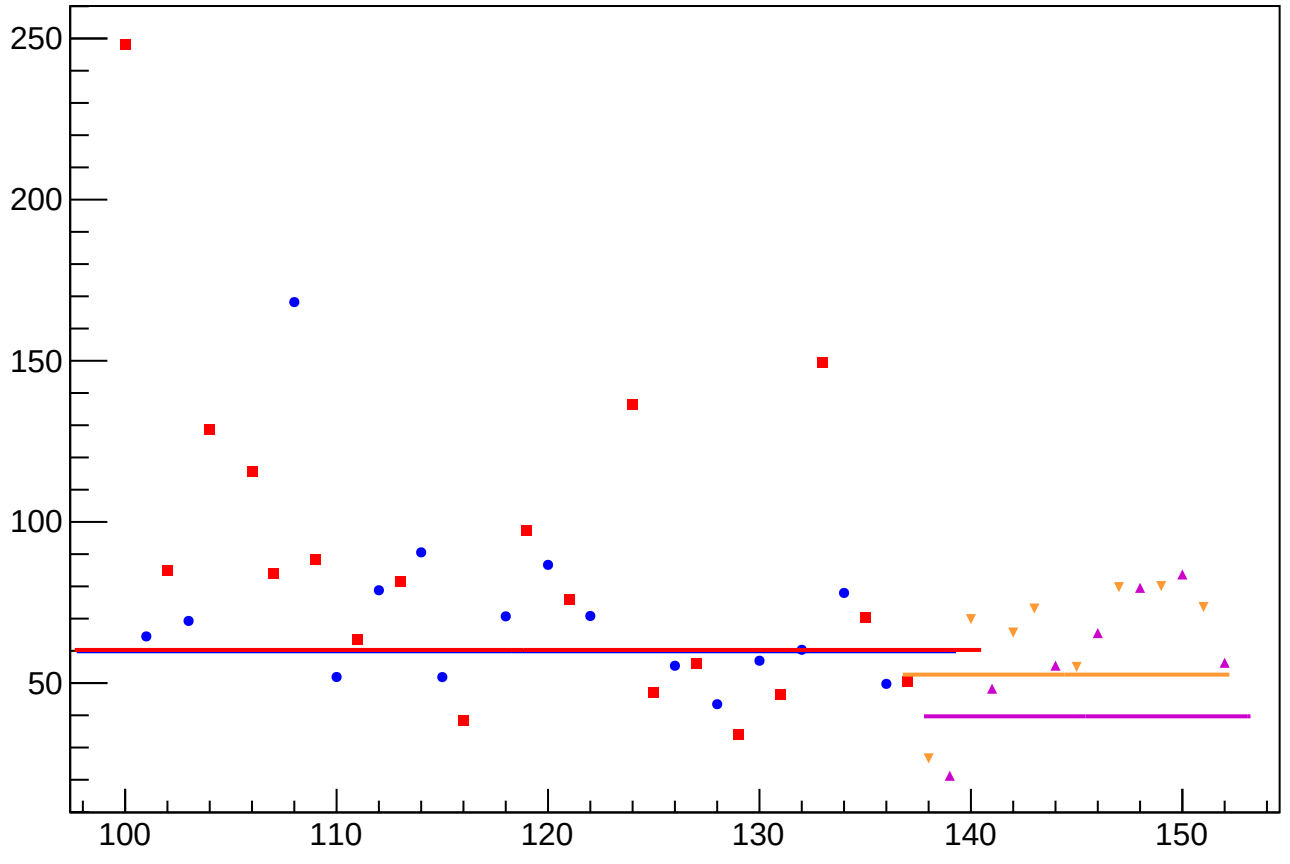
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.022+/-0.020 χ^2/NDF:5.0/6

+ sign 0.028+/-0.018 χ^2/NDF: 38.5/23

All: 0.035+/-0.012 χ^2/NDF: 55.4/49

- sign 0.040+/-0.016 χ^2/NDF: 16.7/25



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 52.622+/-0.018 χ^2/NDF:1560554.7/7

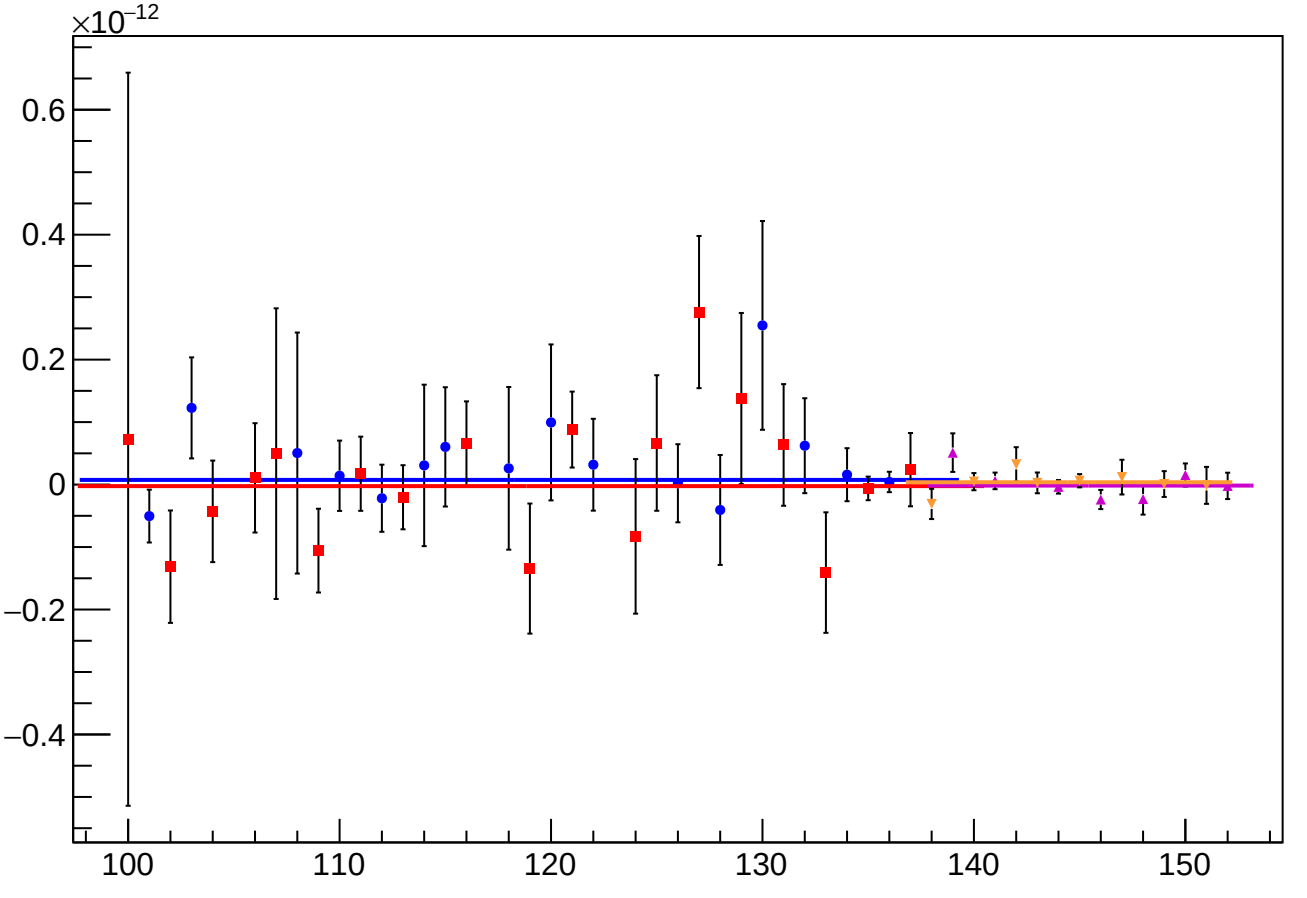
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 39.684+/-0.014 χ^2/NDF:2278341.4/6

+ sign 56.285+/-0.012 χ^2/NDF: 2344857.4/23

All: 51.317+/-0.008 χ^2/NDF: 7714151.2/49

- sign 47.435+/-0.011 χ^2/NDF: 5083544.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/7

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

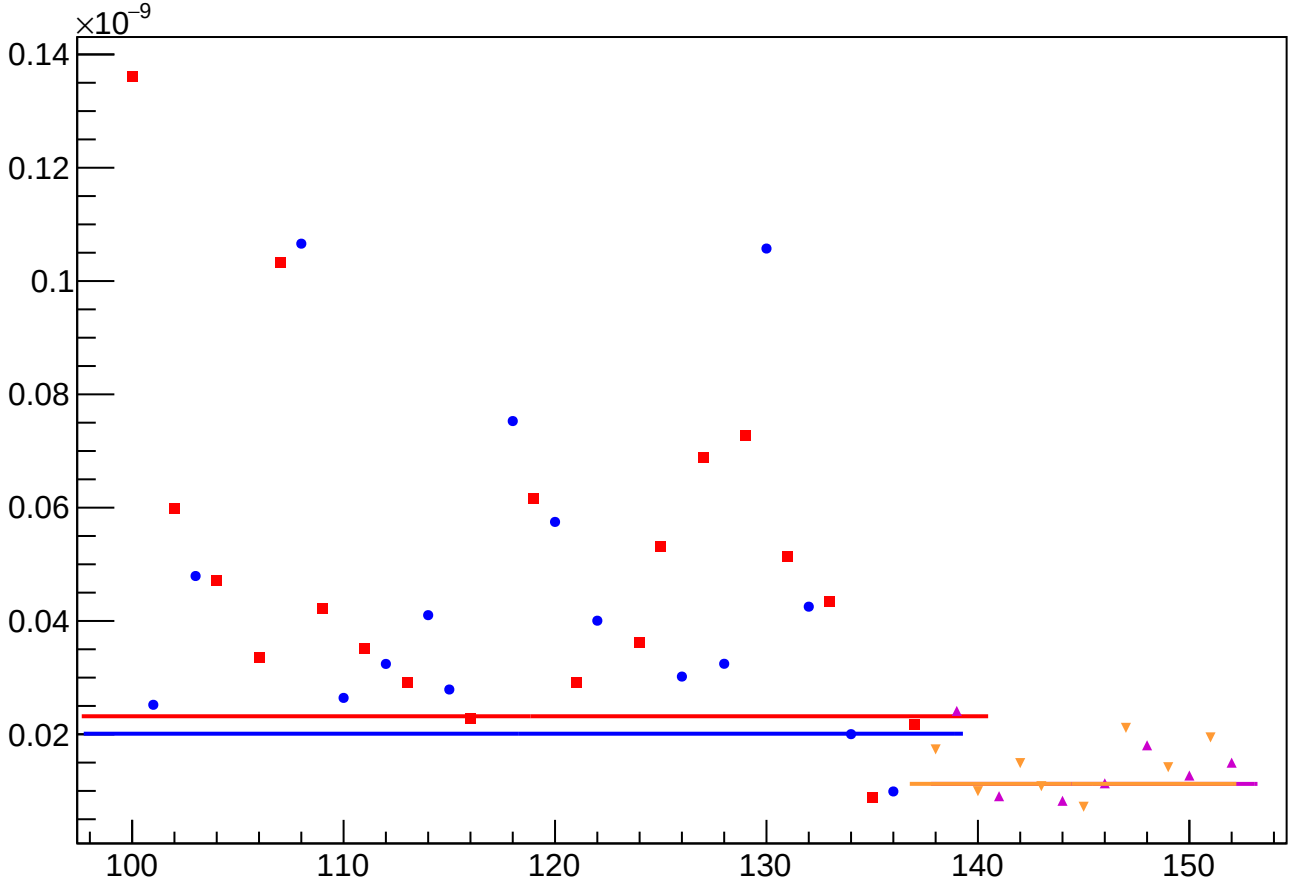
Left In: -0.000+/-0.000 χ^2/NDF:7.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 11.8/23

All: 0.000+/-0.000 χ^2/NDF: 39.1/49

- sign -0.000+/-0.000 χ^2/NDF: 26.6/25

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:917584.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

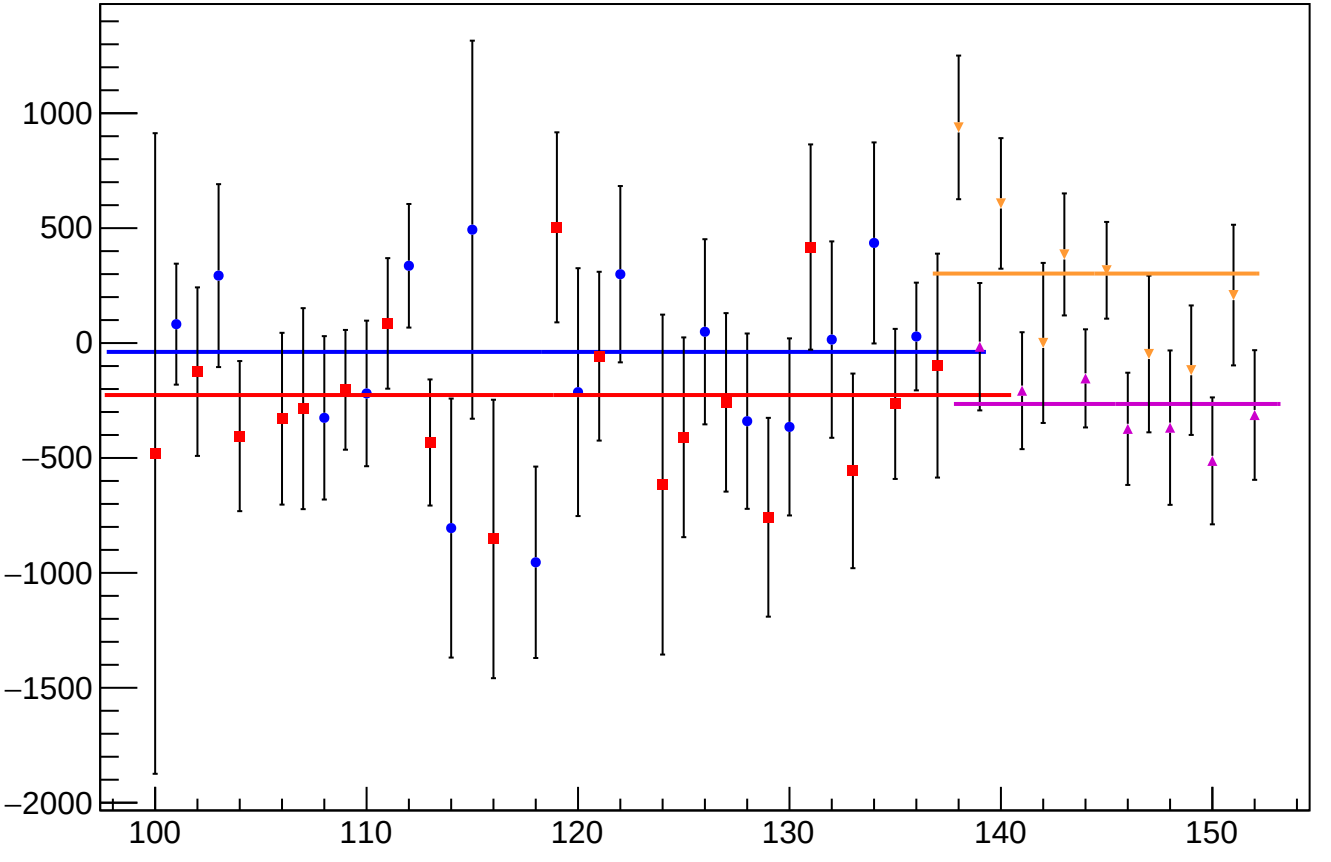
Left In: 0.000+/-0.000 χ^2/NDF:777458.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 4878765.1/23

All: 0.000+/-0.000 χ^2/NDF: 10477866.9/49

- sign 0.000+/-0.000 χ^2/NDF: 5597836.5/25

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 302.377+/-100.240 χ^2/NDF:9.5/7

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

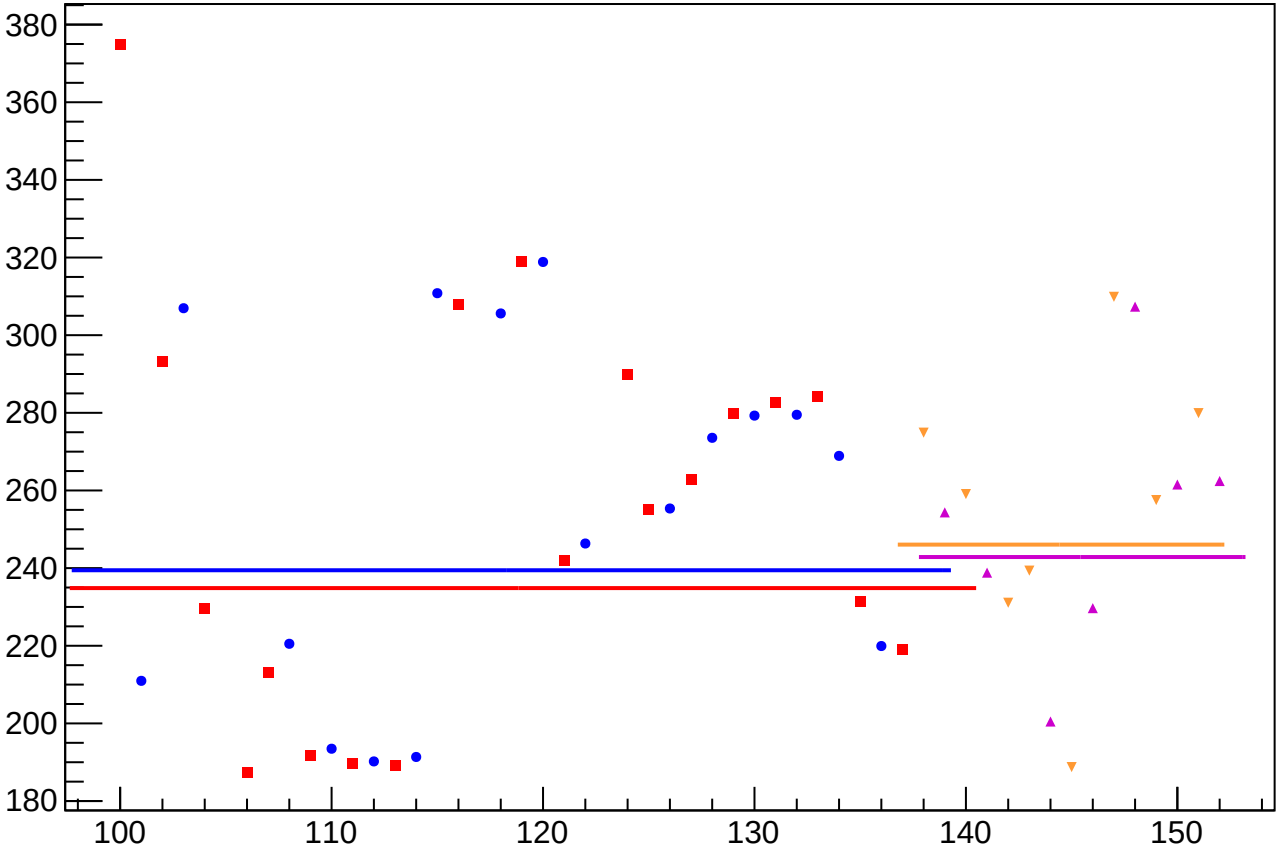
Left In: -265.003+/-99.145 χ^2/NDF:2.3/6

+ sign 114.799+/-67.222 χ^2/NDF: 30.4/23

All: -68.123+/-47.013 χ^2/NDF: 58.6/49

- sign -243.261+/-65.776 χ^2/NDF: 13.8/25

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 246.054+/-0.071 χ^2/NDF:272391.7/7

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

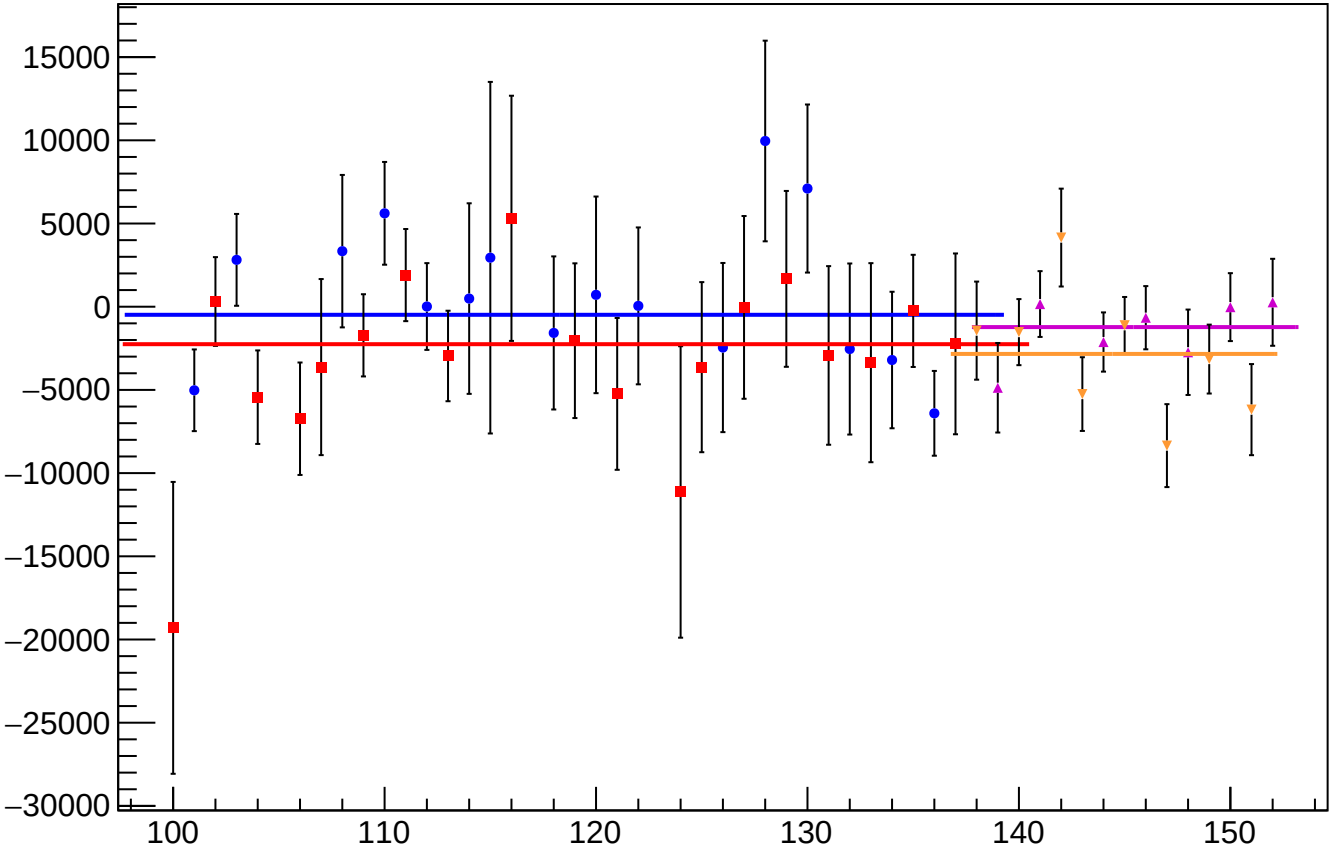
Left In: 242.856+/-0.070 χ^2/NDF:181035.6/6

+ sign 242.420+/-0.048 χ^2/NDF: 678126.2/23

All: 240.354+/-0.033 χ^2/NDF: 1351866.3/49

- sign 238.376+/-0.047 χ^2/NDF: 670043.5/25

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2837.256+/-800.115 χ^2/NDF:14.9/7

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

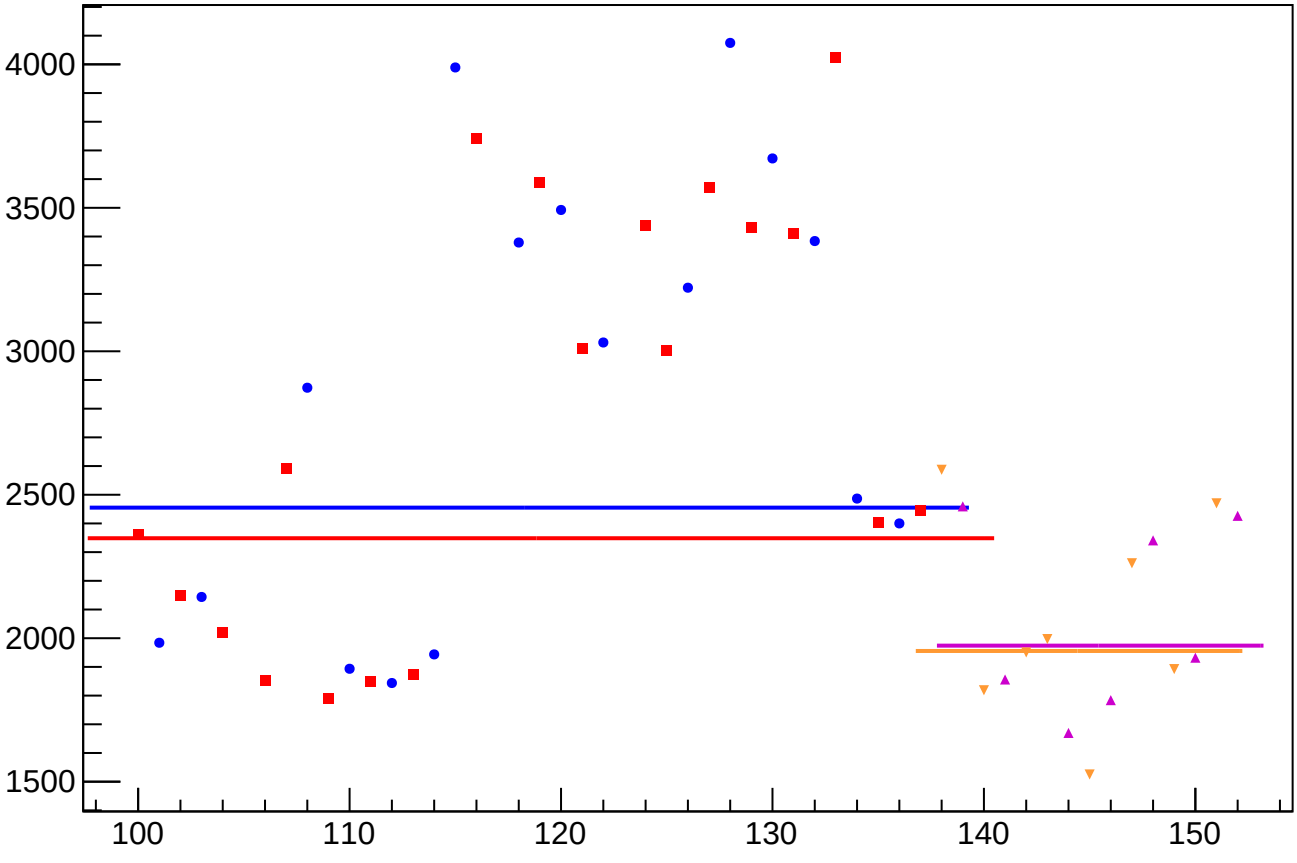
Left In: -1224.319+/-809.697 χ^2/NDF:3.7/6

+ sign -1858.443+/-611.300 χ^2/NDF: 39.7/23

All: -1771.296+/-428.272 χ^2/NDF: 58.0/49

- sign -1687.288+/-600.190 χ^2/NDF: 18.3/25

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1955.533+/-0.566 χ^2/NDF:332848.5/7

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

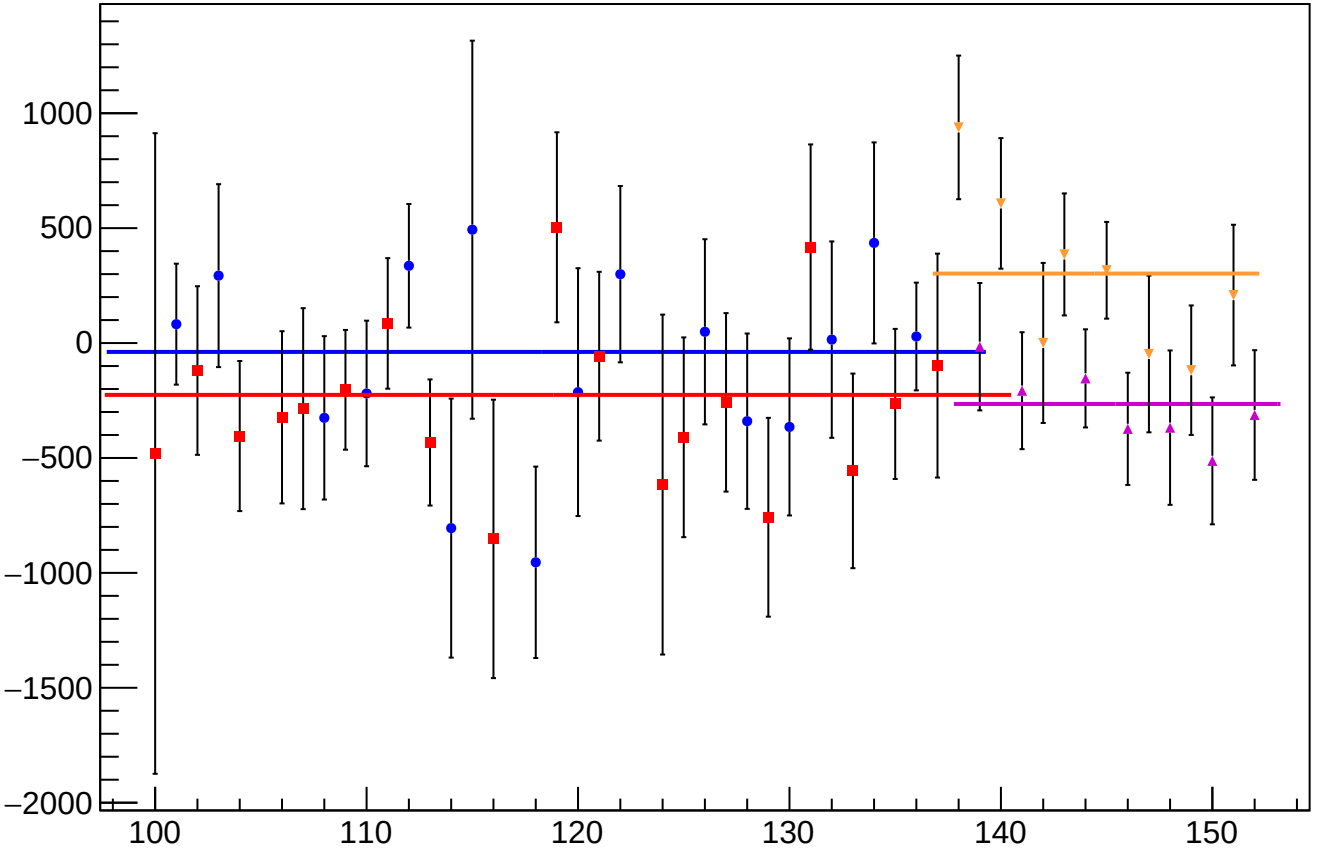
Left In: 1974.135+/-0.573 χ^2/NDF:252331.0/6

+ sign 2163.495+/-0.432 χ^2/NDF: 1551805.6/23

All: 2152.947+/-0.303 χ^2/NDF: 3050297.0/49

- sign 2142.779+/-0.424 χ^2/NDF: 1497321.9/25

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 302.400+/-100.240 χ^2/NDF:9.5/7

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

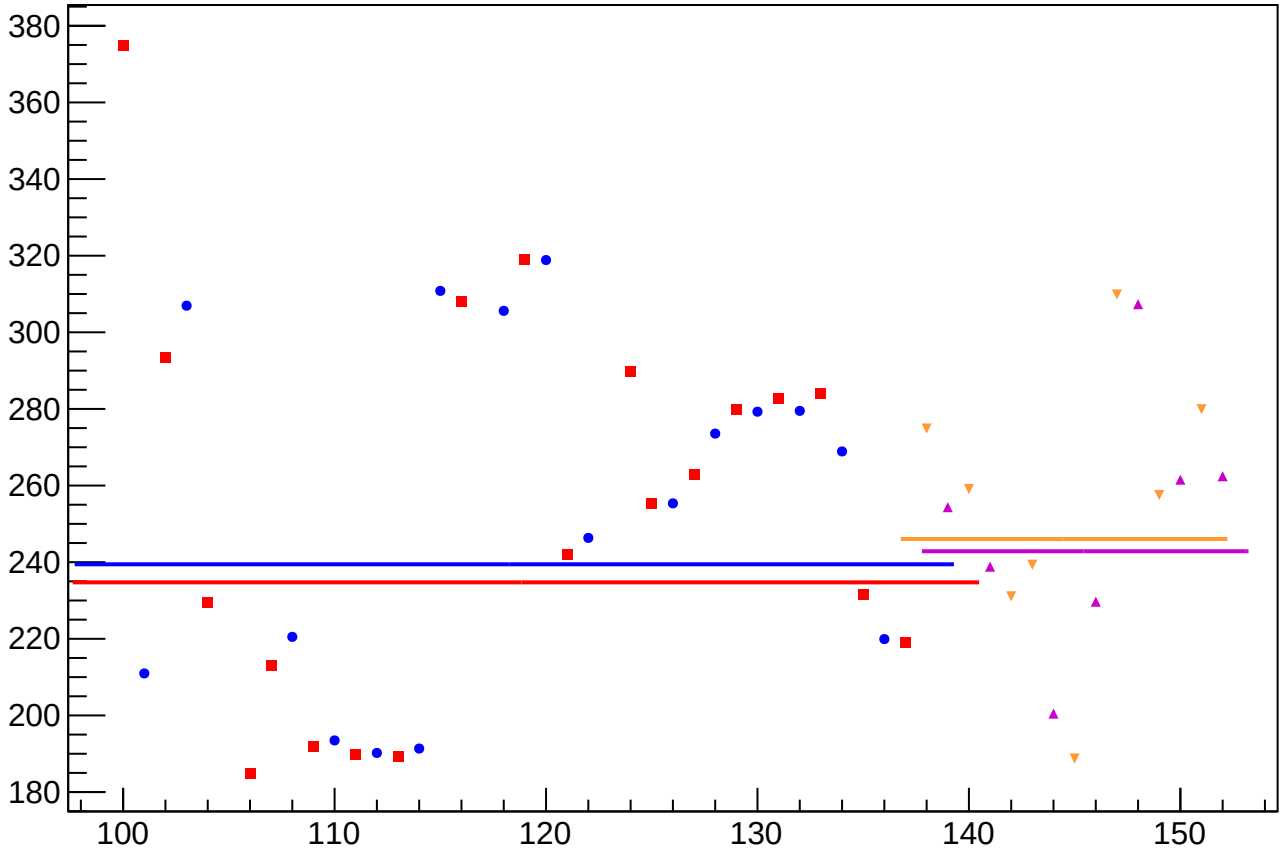
Left In: -265.013+/-99.145 χ^2/NDF:2.3/6

+ sign 114.798+/-67.222 χ^2/NDF: 30.4/23

All: -67.925+/-47.016 χ^2/NDF: 58.6/49

- sign -242.903+/-65.782 χ^2/NDF: 13.8/25

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 246.054+/-0.071 χ^2/NDF:272391.7/7

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

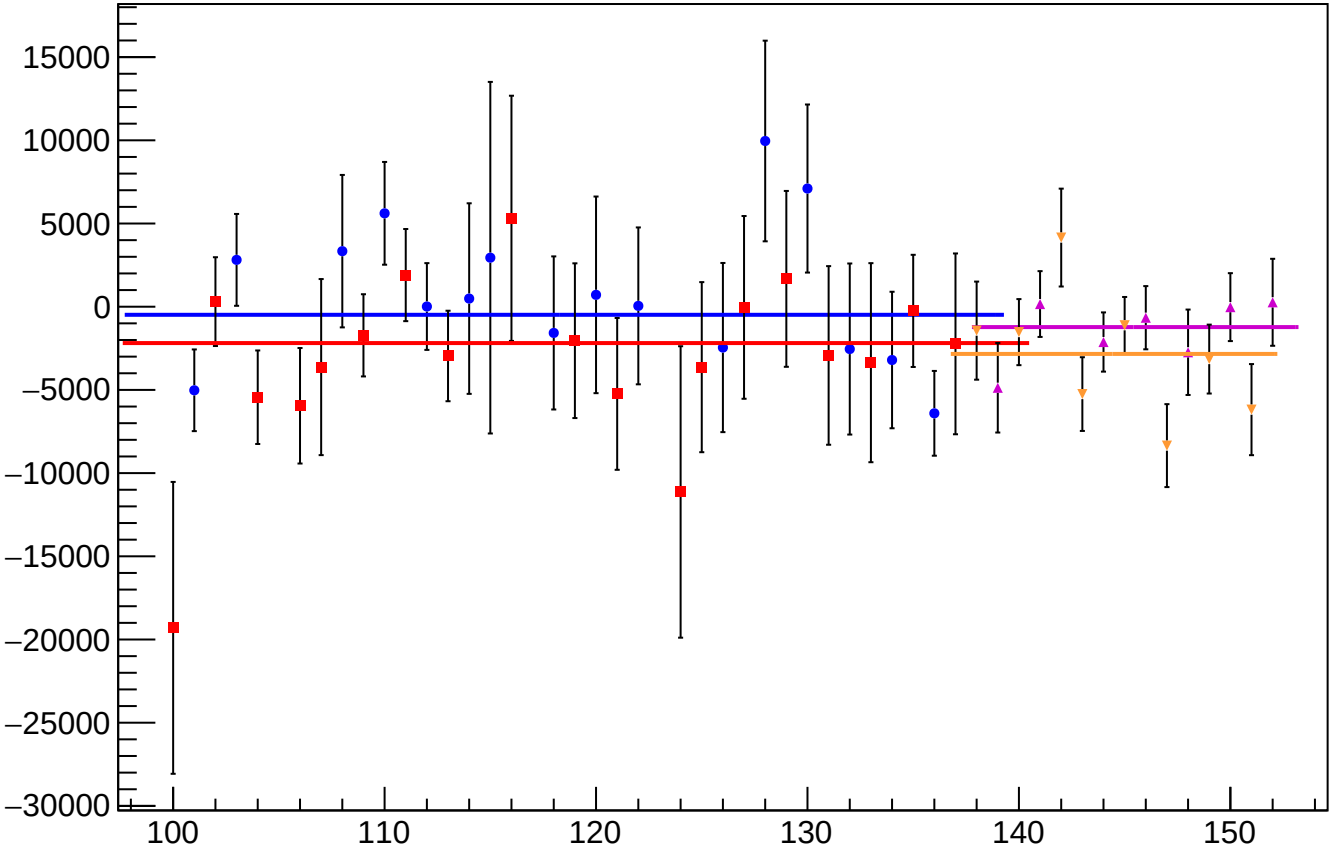
Left In: 242.856+/-0.070 χ^2/NDF:181035.7/6

+ sign 242.420+/-0.048 χ^2/NDF: 678128.5/23

All: 240.320+/-0.033 χ^2/NDF: 1355738.4/49

- sign 238.309+/-0.047 χ^2/NDF: 673789.1/25

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2837.234+/-800.115 χ^2/NDF:14.9/7

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

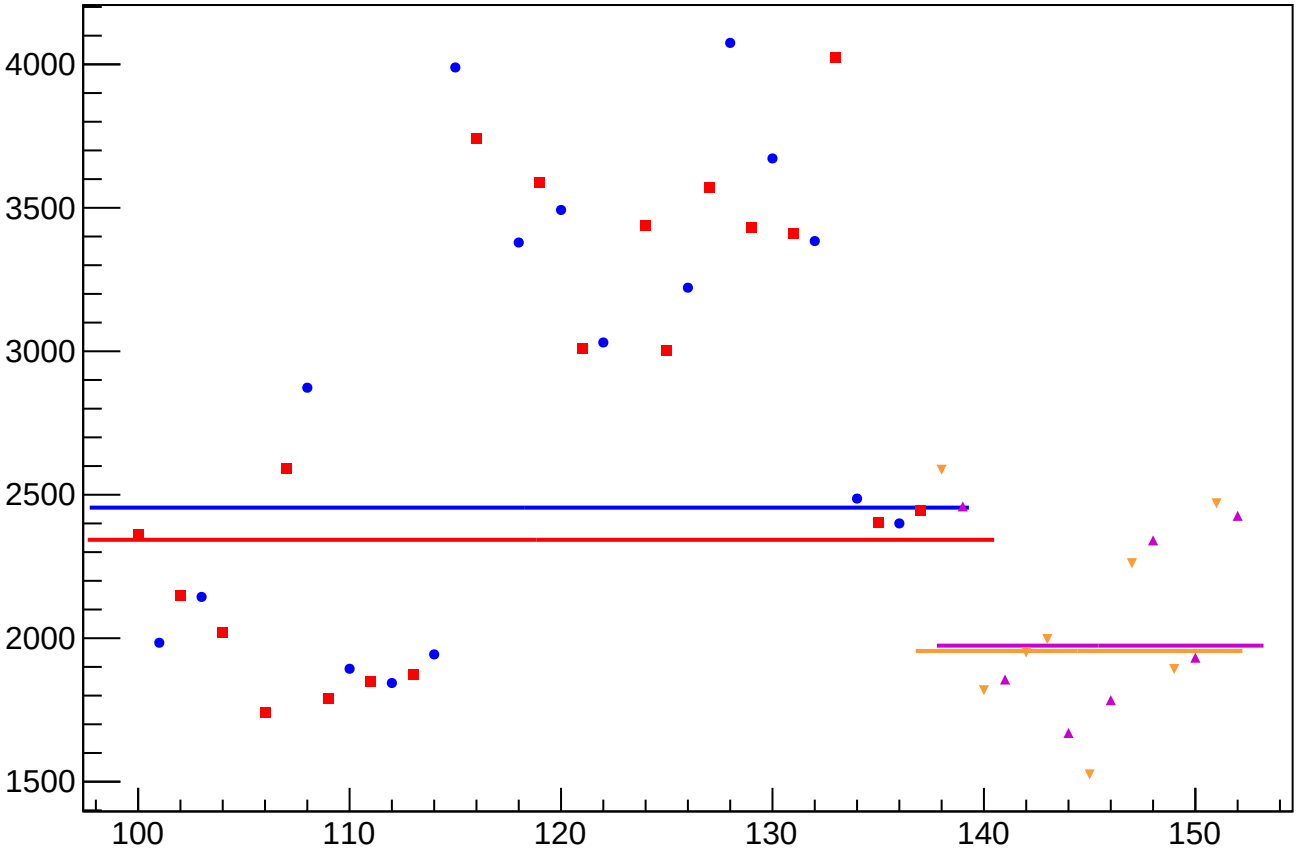
Left In: -1224.339+/-809.697 χ^2/NDF:3.7/6

+ sign -1858.511+/-611.302 χ^2/NDF: 39.7/23

All: -1755.579+/-428.459 χ^2/NDF: 57.3/49

- sign -1656.185+/-600.701 χ^2/NDF: 17.6/25

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1955.533+/-0.566 χ^2/NDF:332851.1/7

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

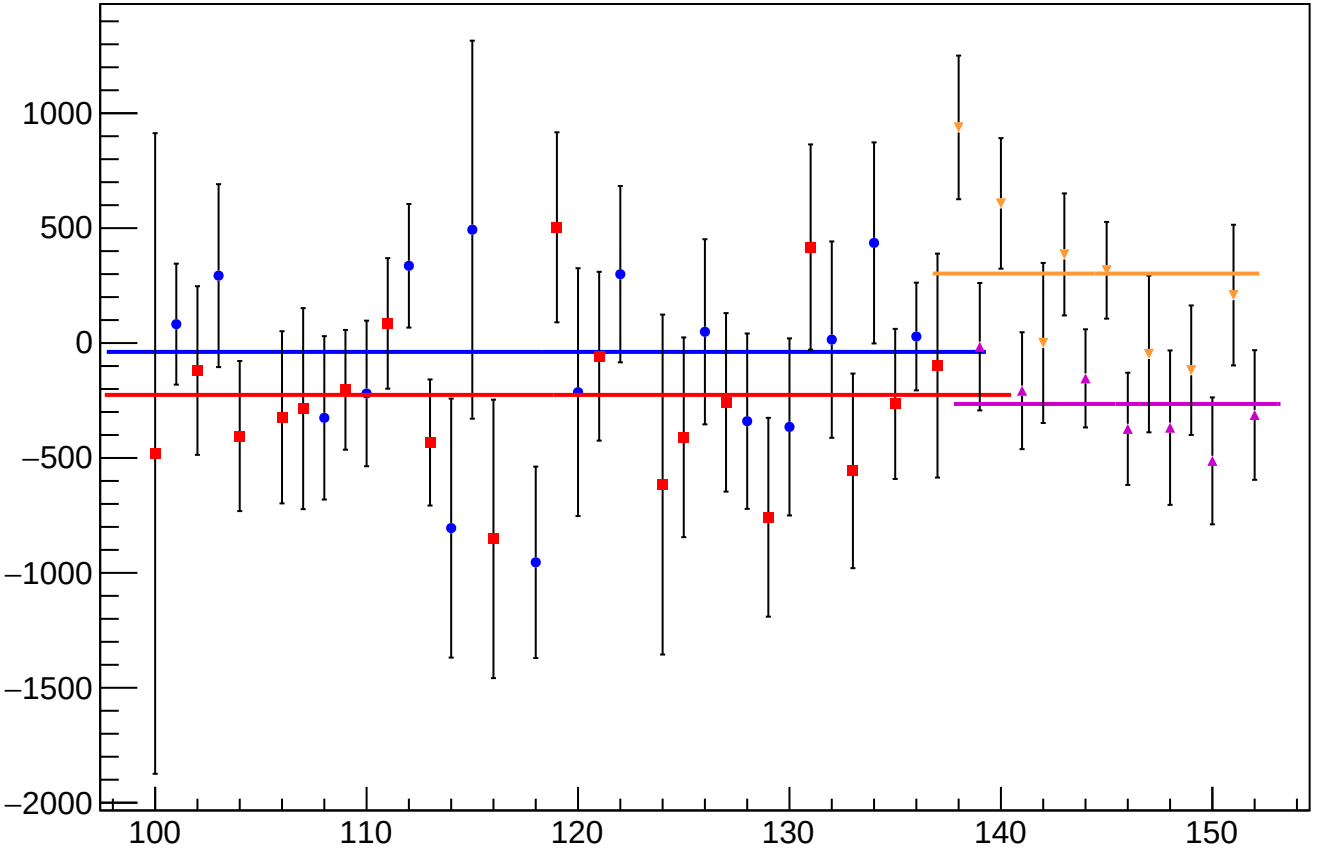
Left In: 1974.136+/-0.573 χ^2/NDF:252329.4/6

+ sign 2163.503+/-0.432 χ^2/NDF: 1551806.0/23

All: 2151.526+/-0.303 χ^2/NDF: 3062603.9/49

- sign 2139.960+/-0.425 χ^2/NDF: 1509288.8/25

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 302.400+/-100.240 χ^2/NDF:9.5/7

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

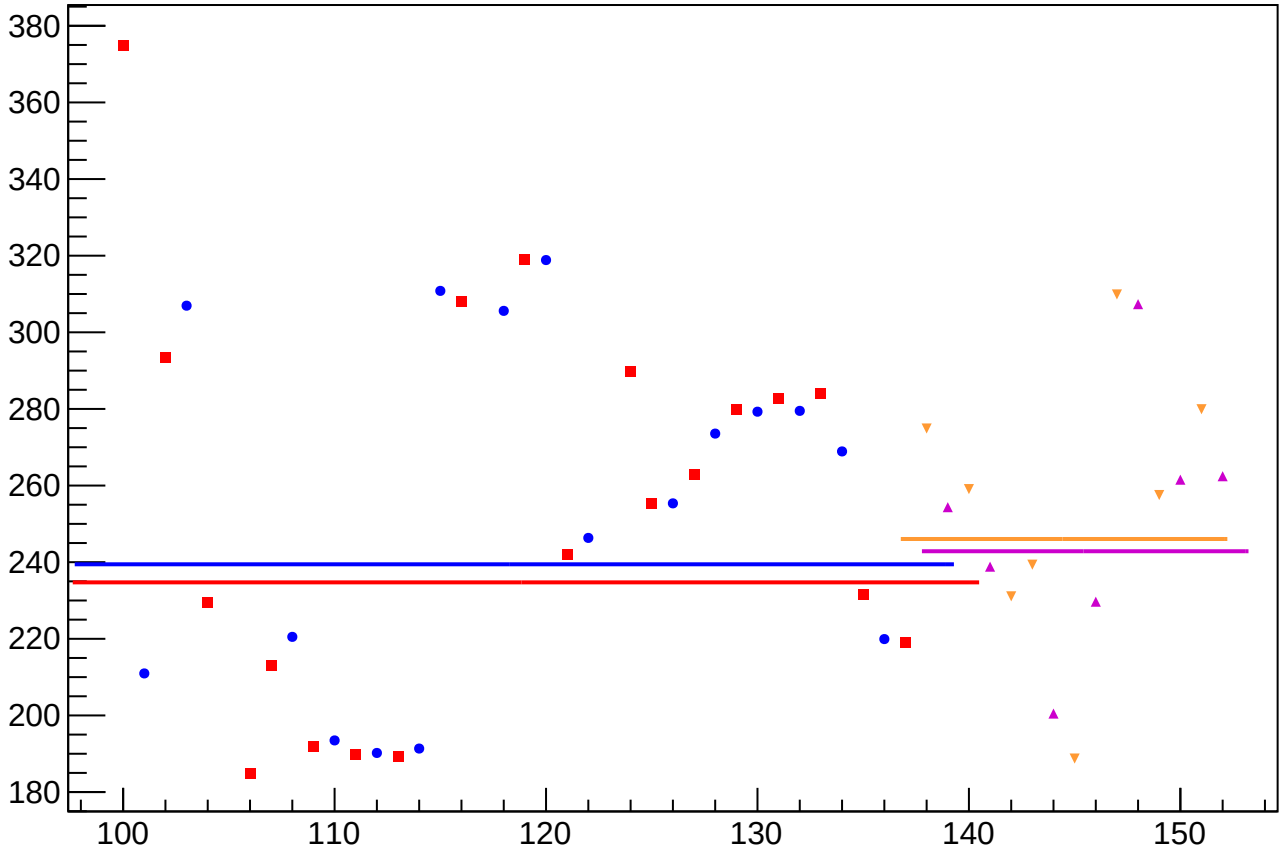
Left In: -265.013+/-99.145 χ^2/NDF:2.3/6

+ sign 114.798+/-67.222 χ^2/NDF: 30.4/23

All: -67.925+/-47.016 χ^2/NDF: 58.6/49

- sign -242.903+/-65.782 χ^2/NDF: 13.8/25

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 246.054+/-0.071 χ^2/NDF:272391.7/7

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

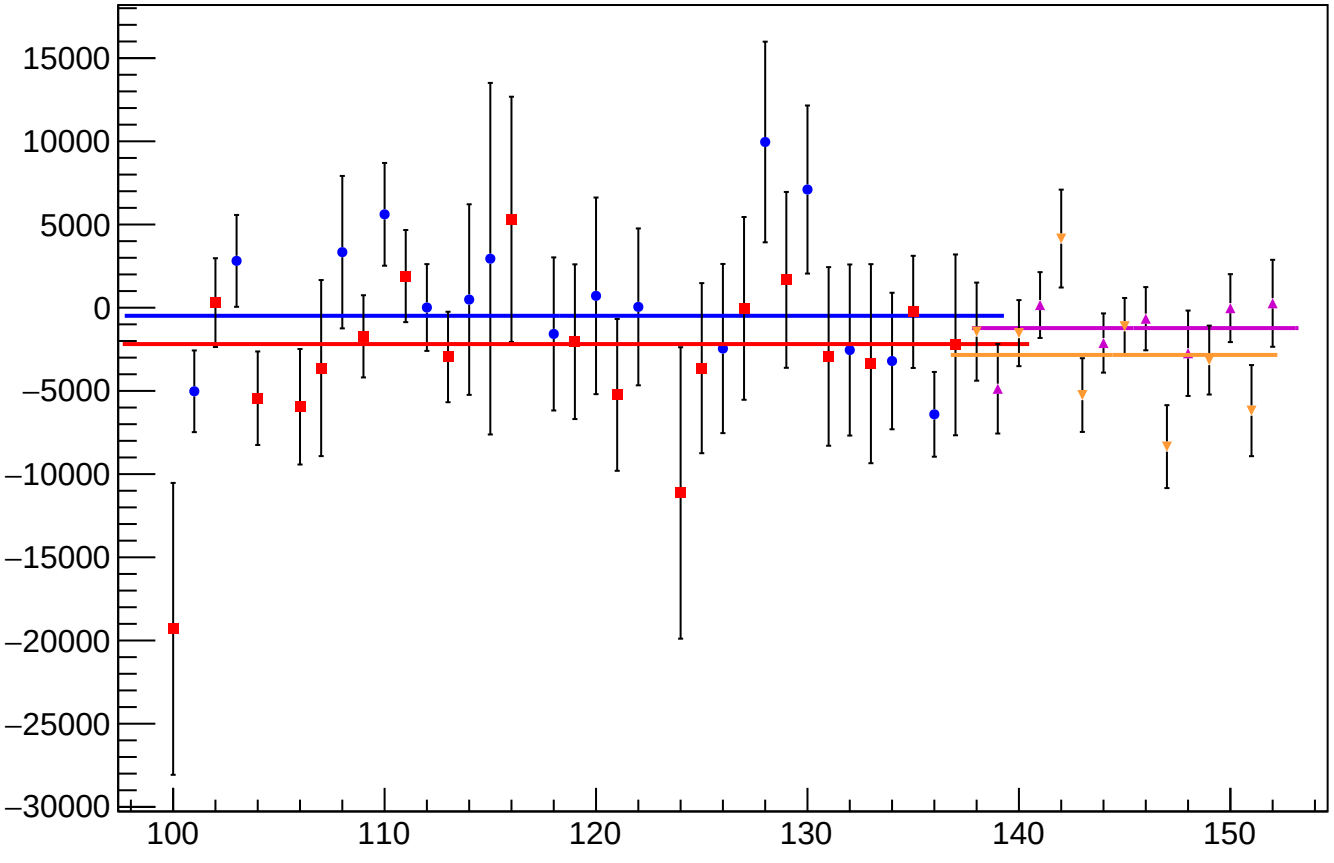
Left In: 242.856+/-0.070 χ^2/NDF:181035.7/6

+ sign 242.420+/-0.048 χ^2/NDF: 678128.5/23

All: 240.320+/-0.033 χ^2/NDF: 1355738.4/49

- sign 238.309+/-0.047 χ^2/NDF: 673789.1/25

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2837.234+/-800.115 χ^2/NDF:14.9/7

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

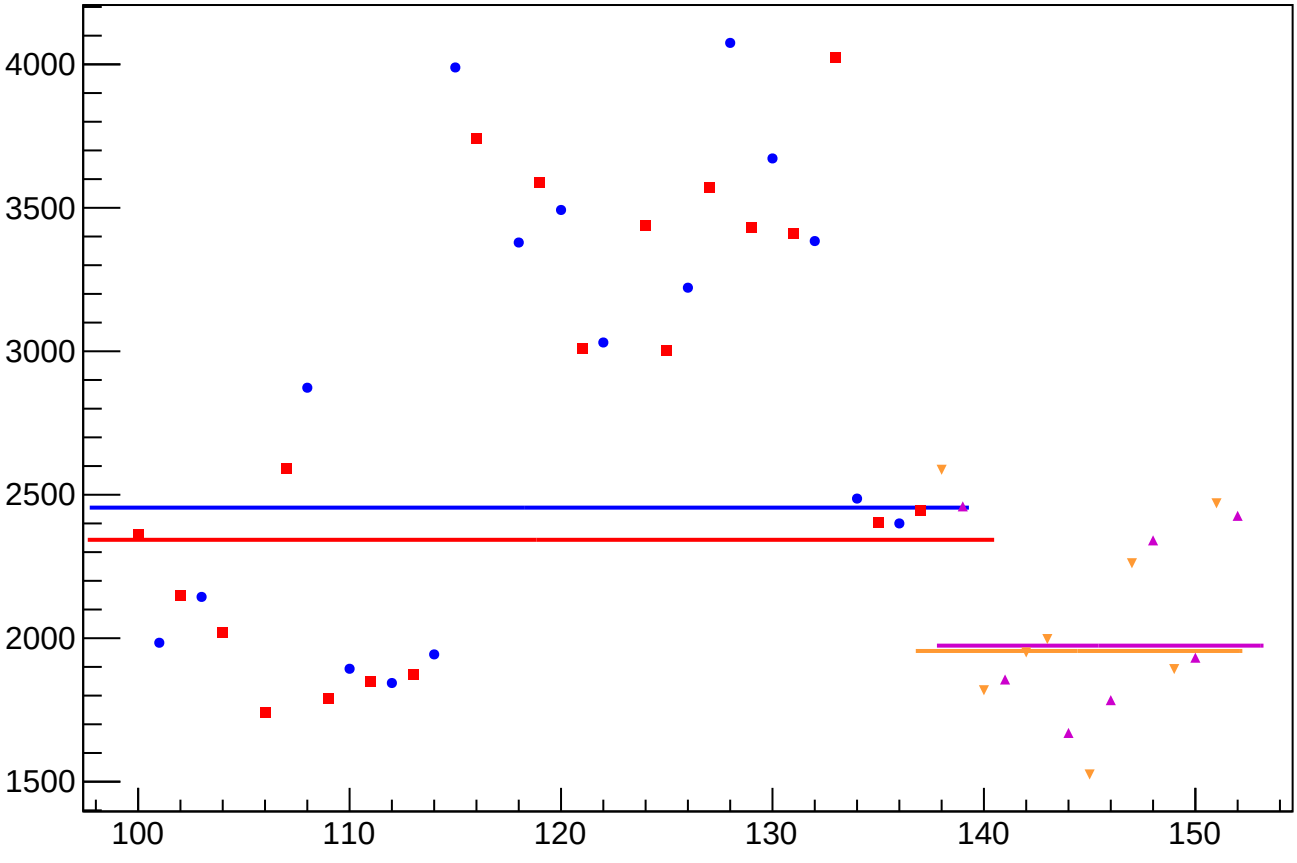
Left In: -1224.339+/-809.697 χ^2/NDF:3.7/6

+ sign -1858.511+/-611.302 χ^2/NDF: 39.7/23

All: -1755.579+/-428.459 χ^2/NDF: 57.3/49

- sign -1656.185+/-600.701 χ^2/NDF: 17.6/25

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1955.533+/-0.566 χ^2/NDF:332851.1/7

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

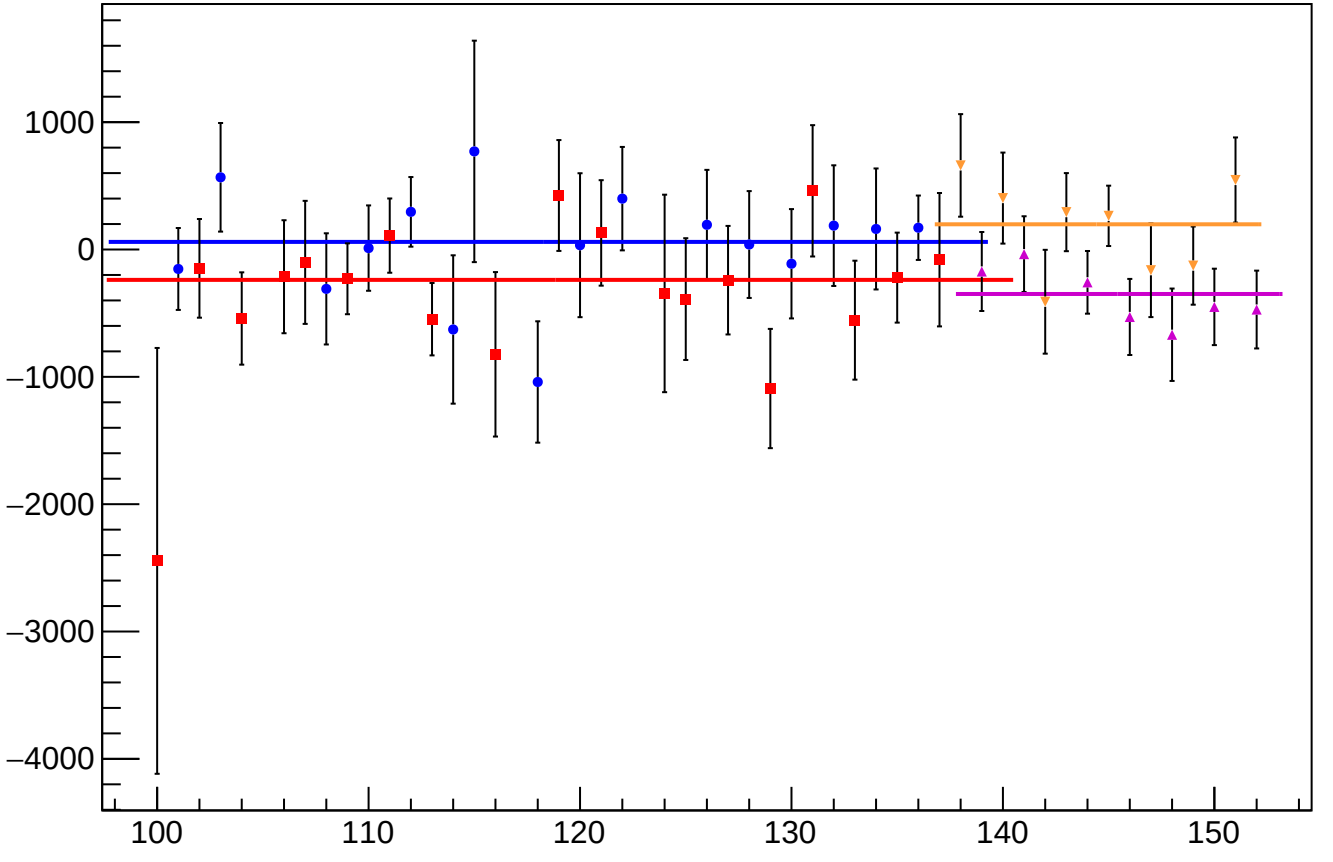
Left In: 1974.136+/-0.573 χ^2/NDF:252329.4/6

+ sign 2163.503+/-0.432 χ^2/NDF: 1551806.0/23

All: 2151.526+/-0.303 χ^2/NDF: 3062603.9/49

- sign 2139.960+/-0.425 χ^2/NDF: 1509288.8/25

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 197.990+/-115.170 χ^2/NDF:7.2/7

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

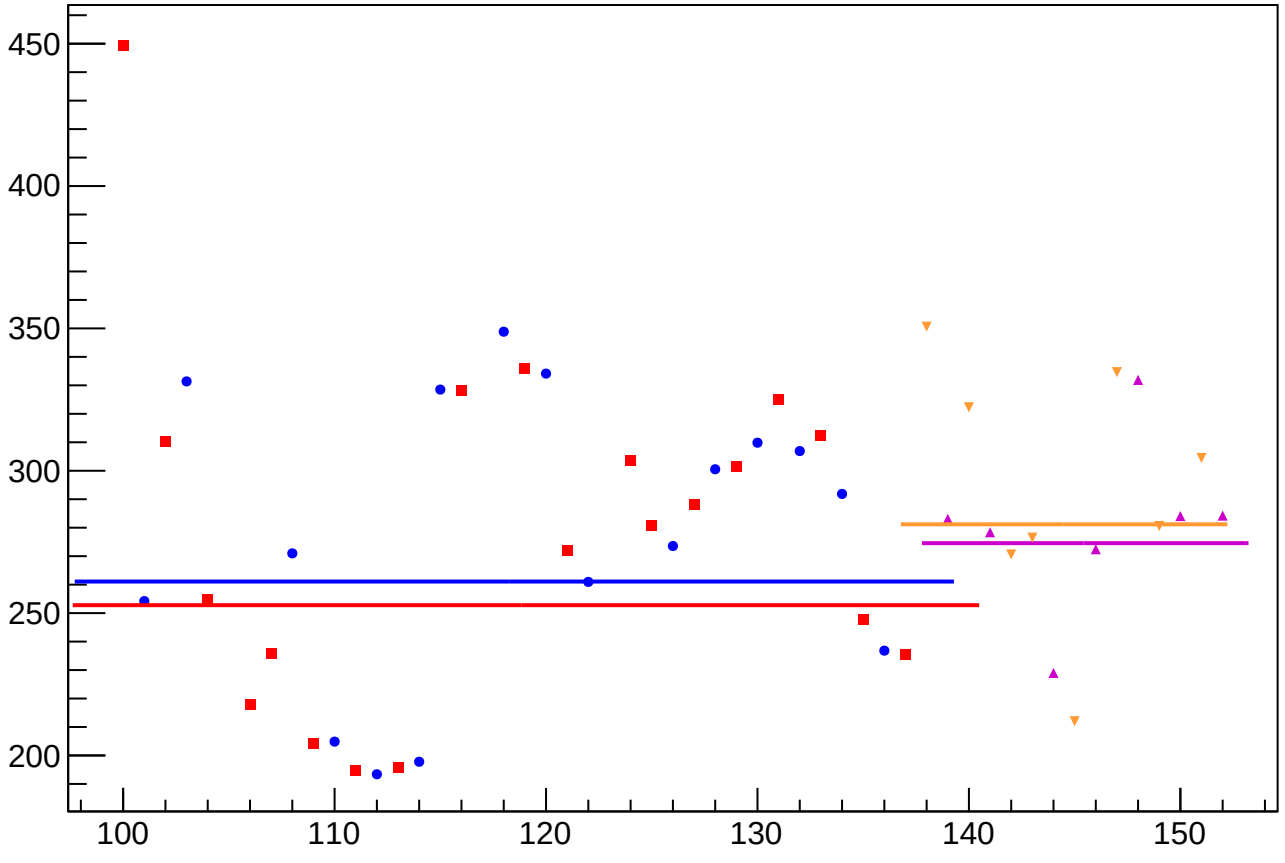
Left In: -349.298+/-112.624 χ^2/NDF:3.0/6

+ sign 118.636+/-75.175 χ^2/NDF: 20.0/23

All: -89.888+/-52.239 χ^2/NDF: 53.4/49

- sign -284.606+/-72.644 χ^2/NDF: 18.5/25

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 281.190+/-0.081 χ^2/NDF:309999.6/7

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

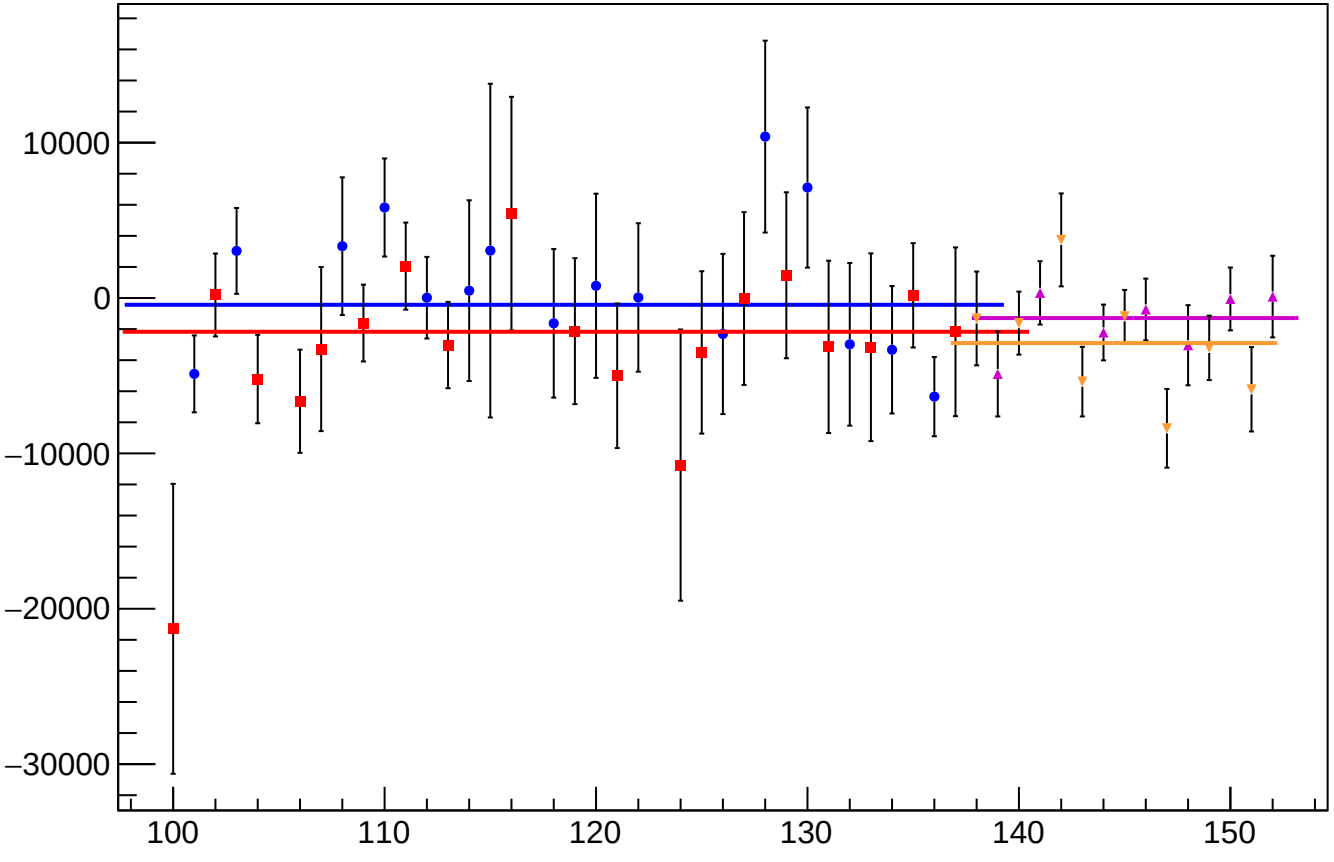
Left In: 274.578+/-0.080 χ^2/NDF:124527.3/6

+ sign 269.653+/-0.053 χ^2/NDF: 807628.2/23

All: 265.620+/-0.037 χ^2/NDF: 1524302.8/49

- sign 261.853+/-0.051 χ^2/NDF: 705540.1/25

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2898.386+/-806.702 χ^2/NDF:13.8/7

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

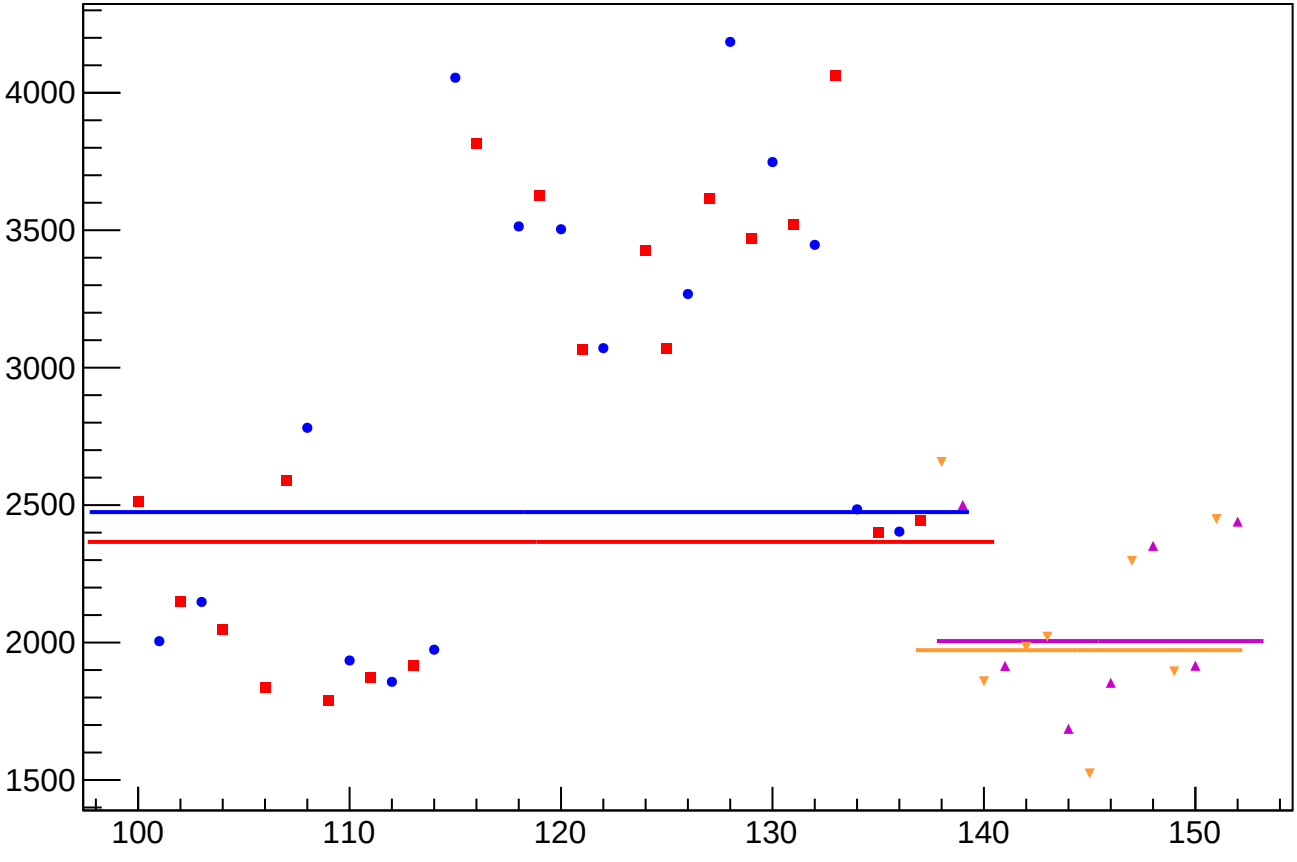
Left In: -1290.318+/-822.737 χ^2/NDF:3.8/6

+ sign -1873.487+/-616.298 χ^2/NDF: 38.9/23

All: -1781.047+/-432.674 χ^2/NDF: 57.2/49

- sign -1691.202+/-607.582 χ^2/NDF: 18.3/25

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 1972.260+/-0.570 χ^2/NDF:347487.3/7

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

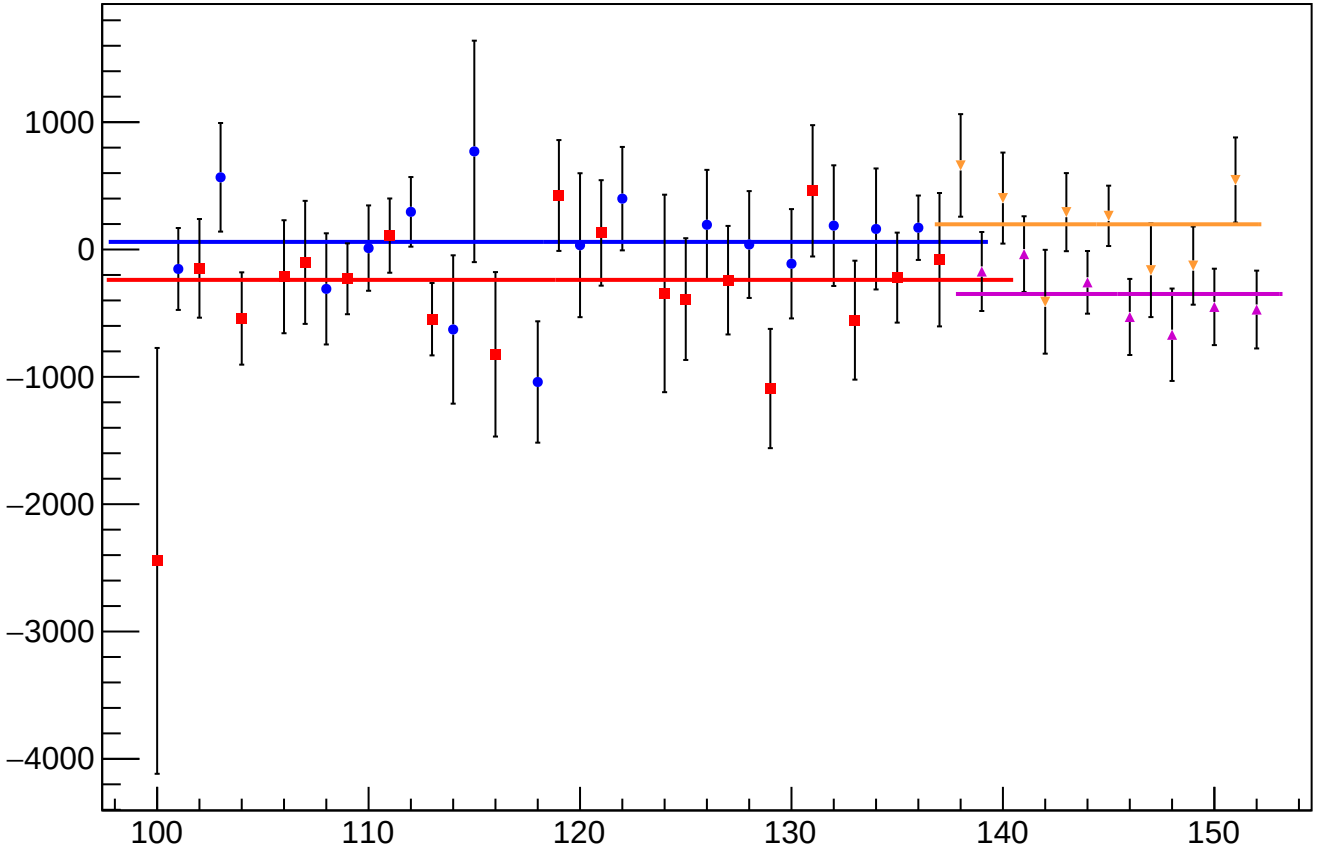
Left In: 2005.472+/-0.582 χ^2/NDF:239073.5/6

+ sign 2181.416+/-0.436 χ^2/NDF: 1586654.4/23

All: 2175.364+/-0.306 χ^2/NDF: 3078099.4/49

- sign 2169.481+/-0.430 χ^2/NDF: 1491064.6/25

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 197.990+/-115.170 χ^2/NDF:7.2/7

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

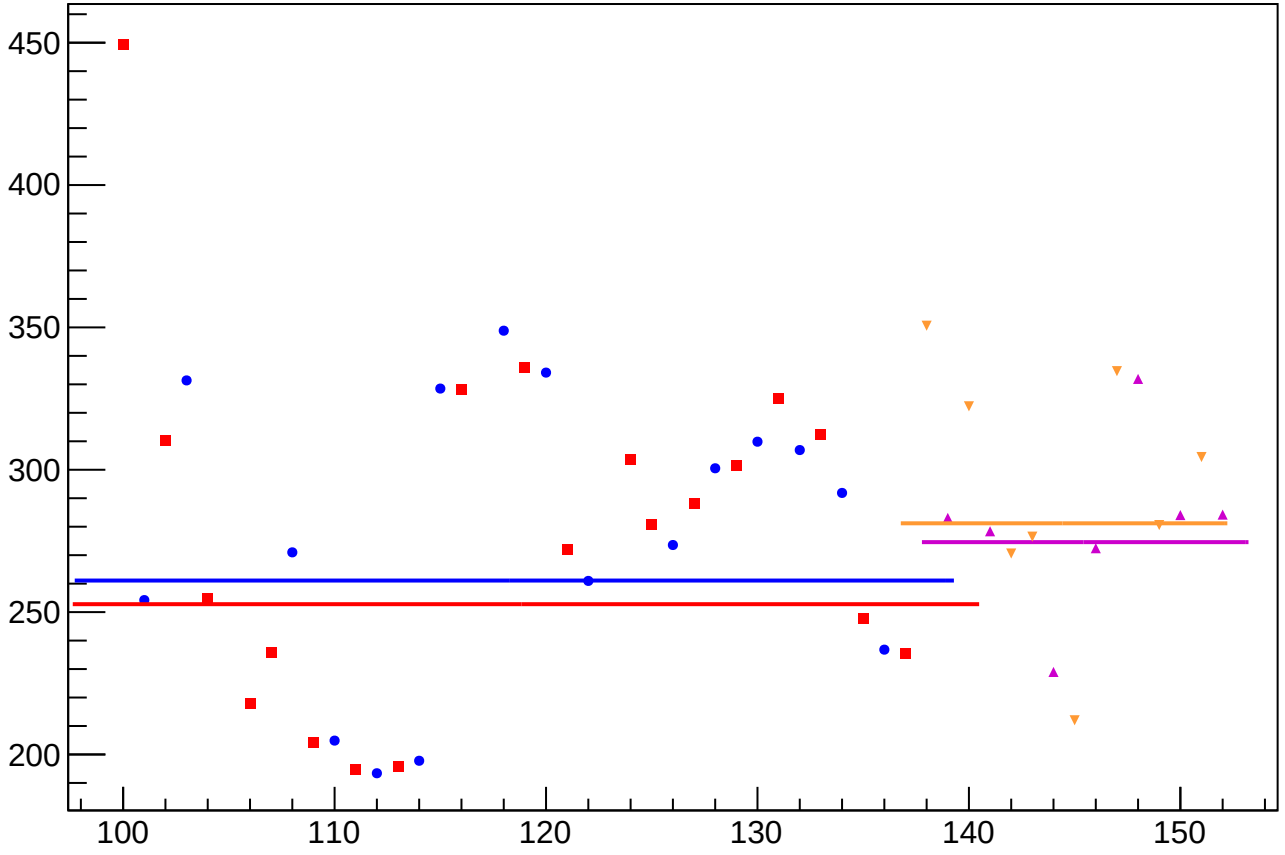
Left In: -349.301+/-112.624 χ^2/NDF:3.0/6

+ sign 118.639+/-75.175 χ^2/NDF: 20.0/23

All: -89.887+/-52.239 χ^2/NDF: 53.4/49

- sign -284.607+/-72.644 χ^2/NDF: 18.5/25

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 281.190+/-0.081 χ^2/NDF:309994.7/7

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

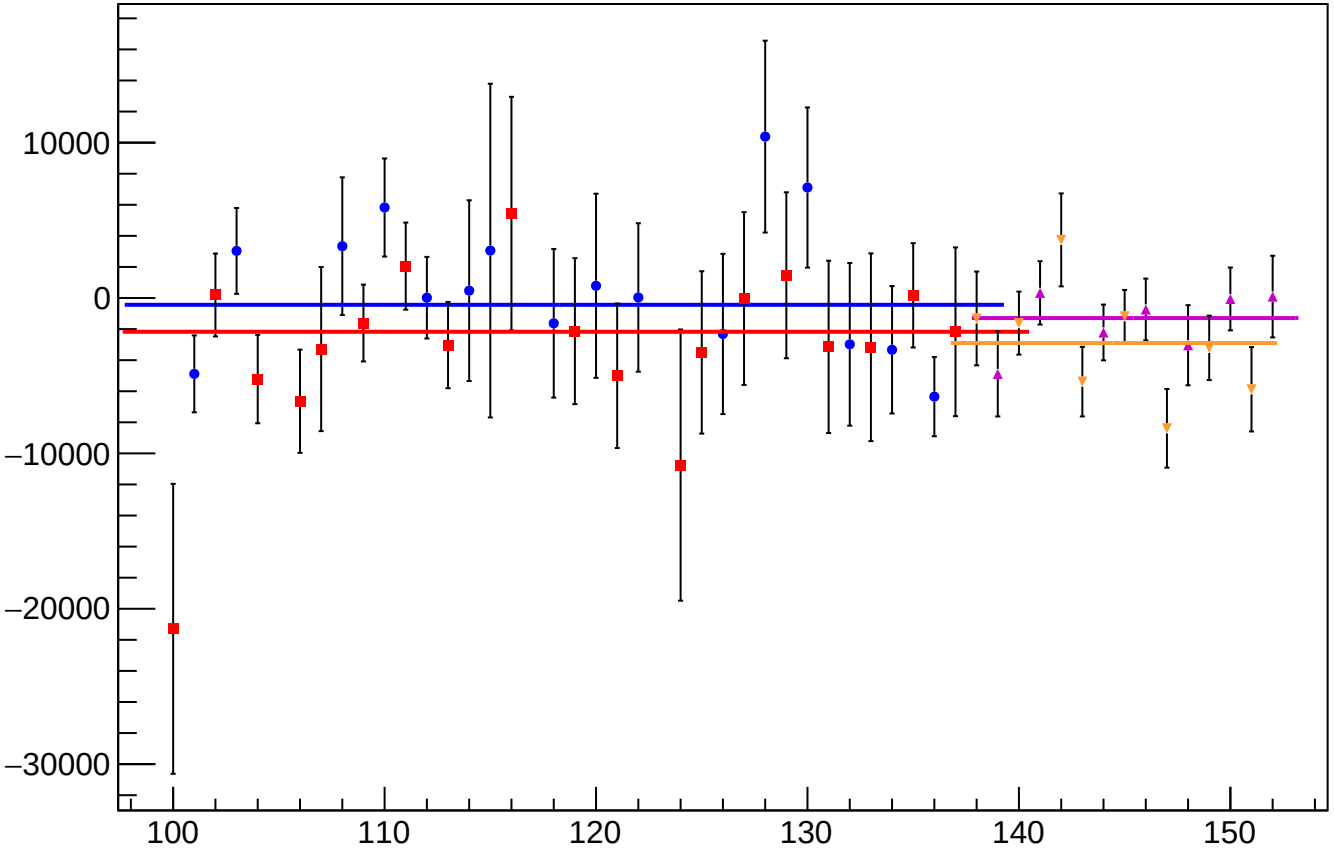
Left In: 274.578+/-0.080 χ^2/NDF:124525.3/6

+ sign 269.653+/-0.053 χ^2/NDF: 807627.7/23

All: 265.620+/-0.037 χ^2/NDF: 1524305.4/49

- sign 261.853+/-0.051 χ^2/NDF: 705543.2/25

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2898.382+/-806.701 χ^2/NDF:13.8/7

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

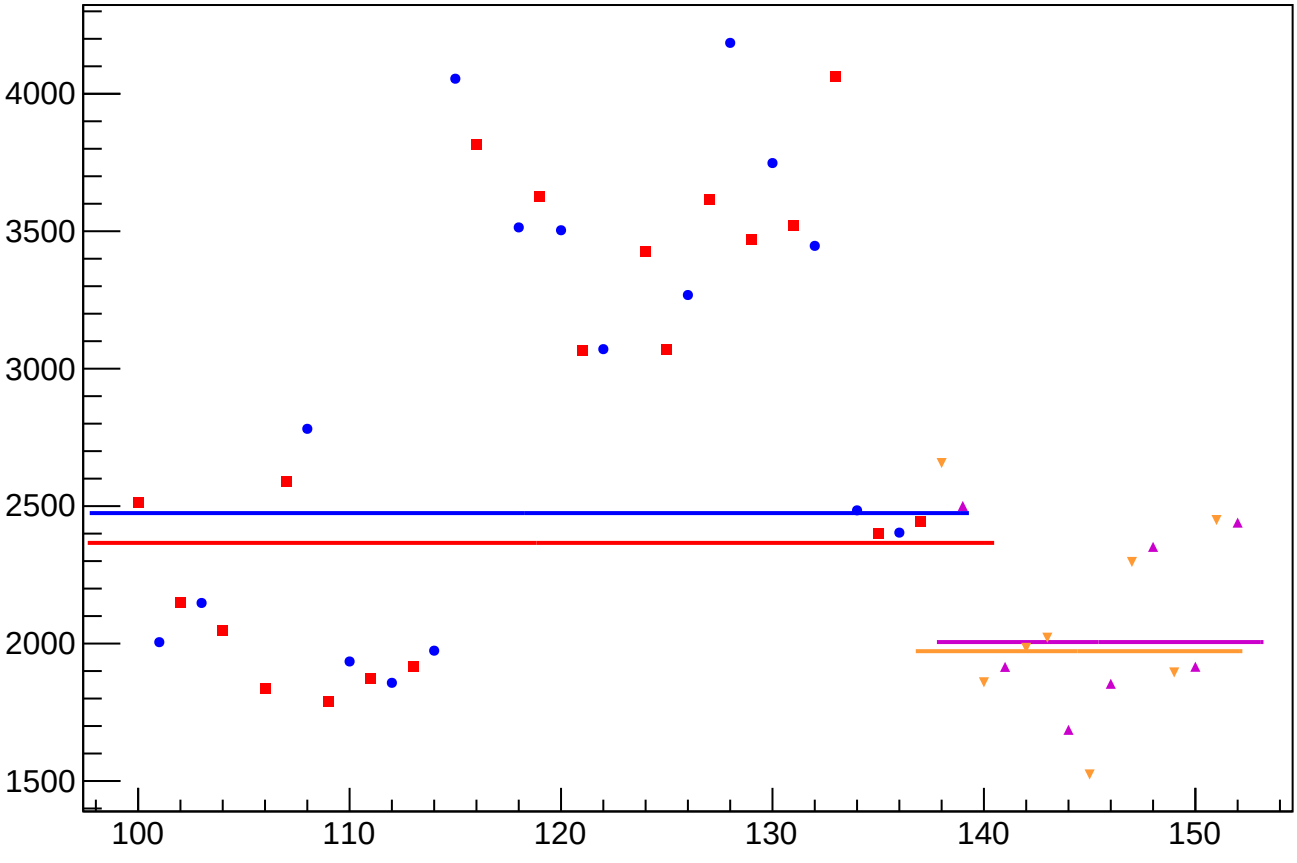
Left In: -1290.318+/-822.737 χ^2/NDF:3.8/6

+ sign -1873.485+/-616.298 χ^2/NDF: 38.9/23

All: -1781.045+/-432.674 χ^2/NDF: 57.2/49

- sign -1691.202+/-607.582 χ^2/NDF: 18.3/25

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 1972.258+/-0.570 χ^2/NDF:347490.3/7

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

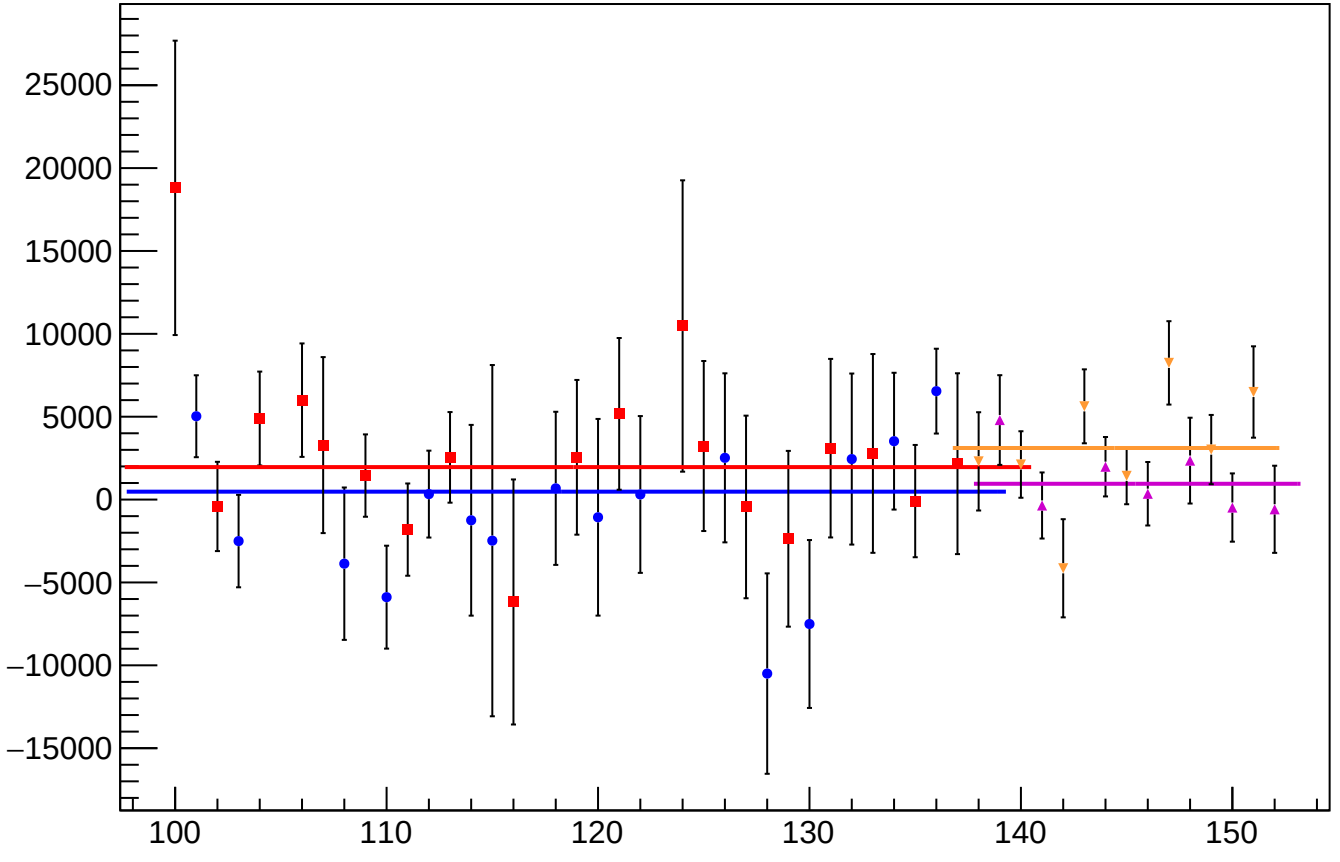
Left In: 2005.471+/-0.582 χ^2/NDF:239072.6/6

+ sign 2181.414+/-0.436 χ^2/NDF: 1586661.9/23

All: 2175.362+/-0.306 χ^2/NDF: 3078107.5/49

- sign 2169.480+/-0.430 χ^2/NDF: 1491065.3/25

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3112.095+/-806.706 χ^2/NDF:14.2/7

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

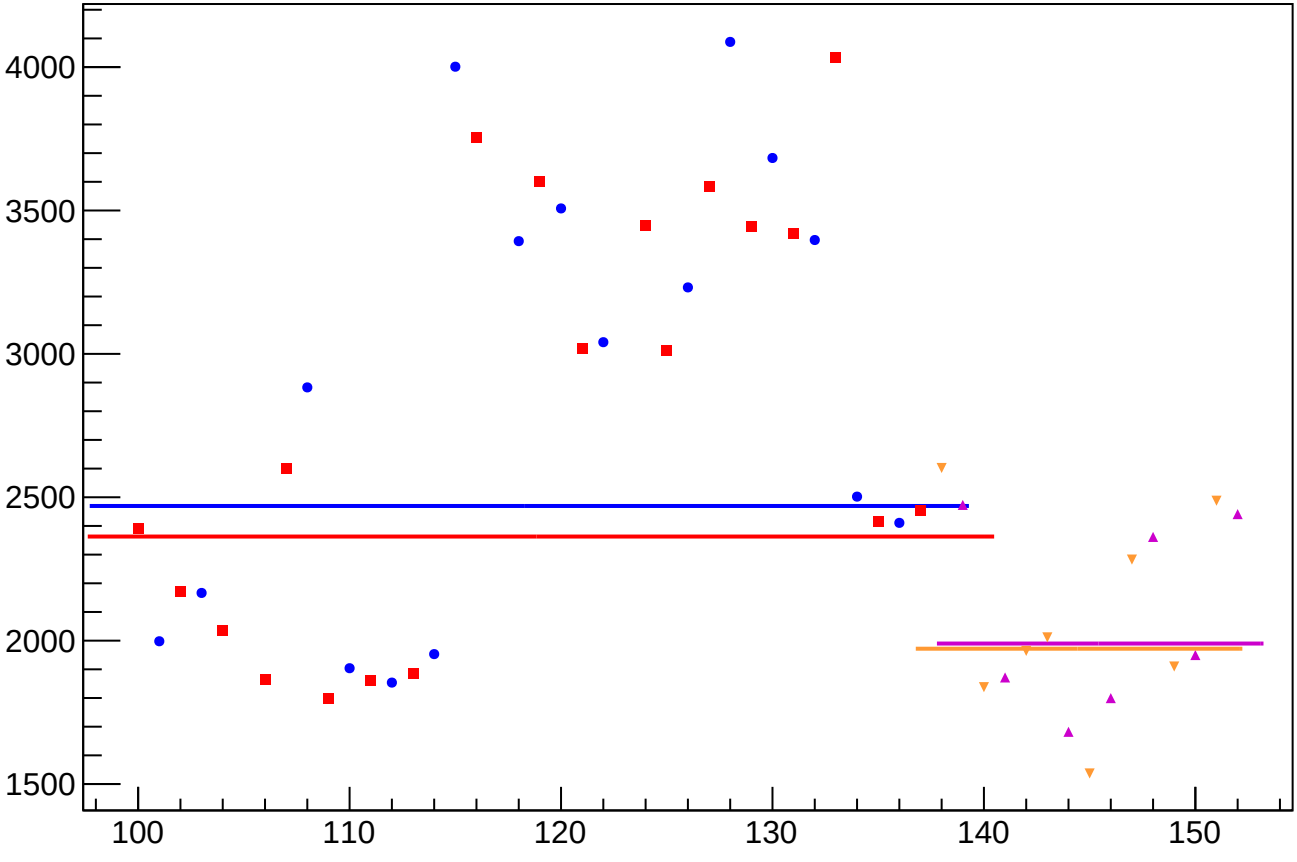
Left In: 953.201+/-816.056 χ^2/NDF:4.0/6

+ sign 2011.899+/-615.659 χ^2/NDF: 40.8/23

All: 1704.100+/-431.320 χ^2/NDF: 58.8/49

- sign 1407.404+/-604.452 χ^2/NDF: 17.5/25

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 1971.903+/-0.570 χ^2/NDF:331352.9/7

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

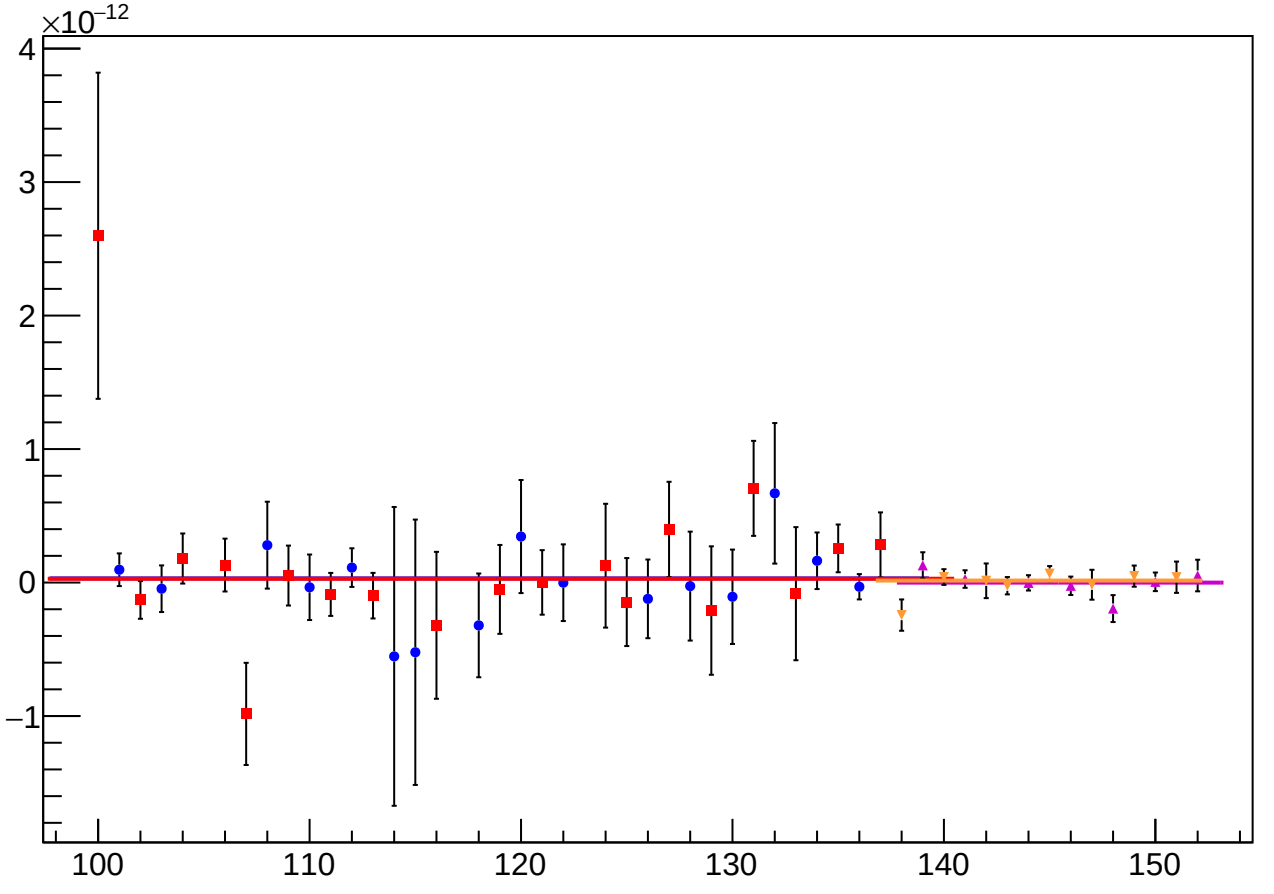
Left In: 1989.913+/-0.577 χ^2/NDF:250548.9/6

+ sign 2179.739+/-0.435 χ^2/NDF: 1535451.7/23

All: 2168.840+/-0.305 χ^2/NDF: 3019313.8/49

- sign 2158.335+/-0.427 χ^2/NDF: 1482631.2/25

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:6.5/7

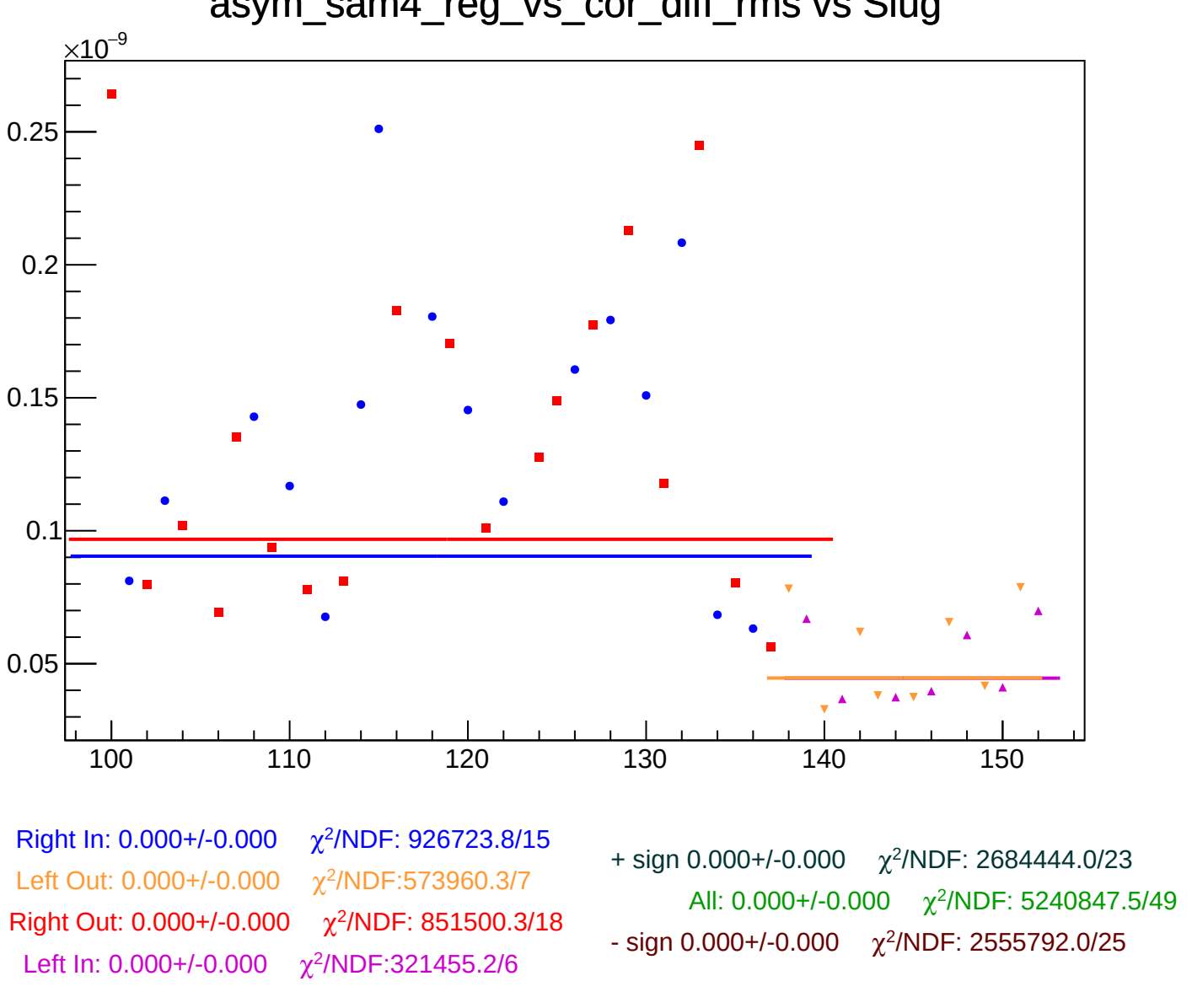
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/6

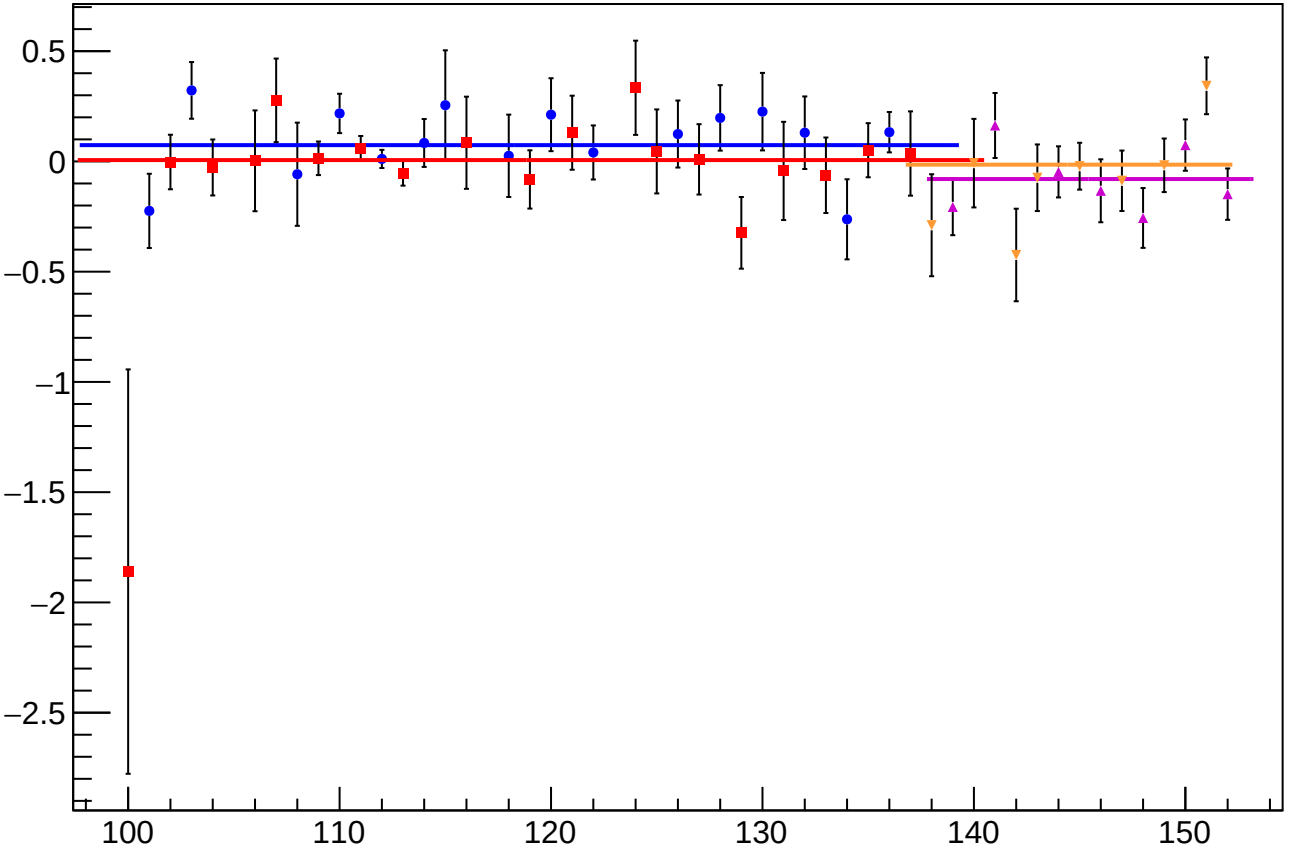
+ sign 0.000+/-0.000 χ^2/NDF: 12.7/23

All: 0.000+/-0.000 χ^2/NDF: 42.2/49

- sign 0.000+/-0.000 χ^2/NDF: 29.3/25


asym_sam4_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 926723.8/15
Left Out: 0.000+/-0.000 χ²/NDF:573960.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 851500.3/18
Left In: 0.000+/-0.000 χ²/NDF:321455.2/6
+ sign 0.000+/-0.000 χ²/NDF: 2684444.0/23
All: 0.000+/-0.000 χ²/NDF: 5240847.5/49
- sign 0.000+/-0.000 χ²/NDF: 2555792.0/25

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.051 χ^2/NDF:13.4/7

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

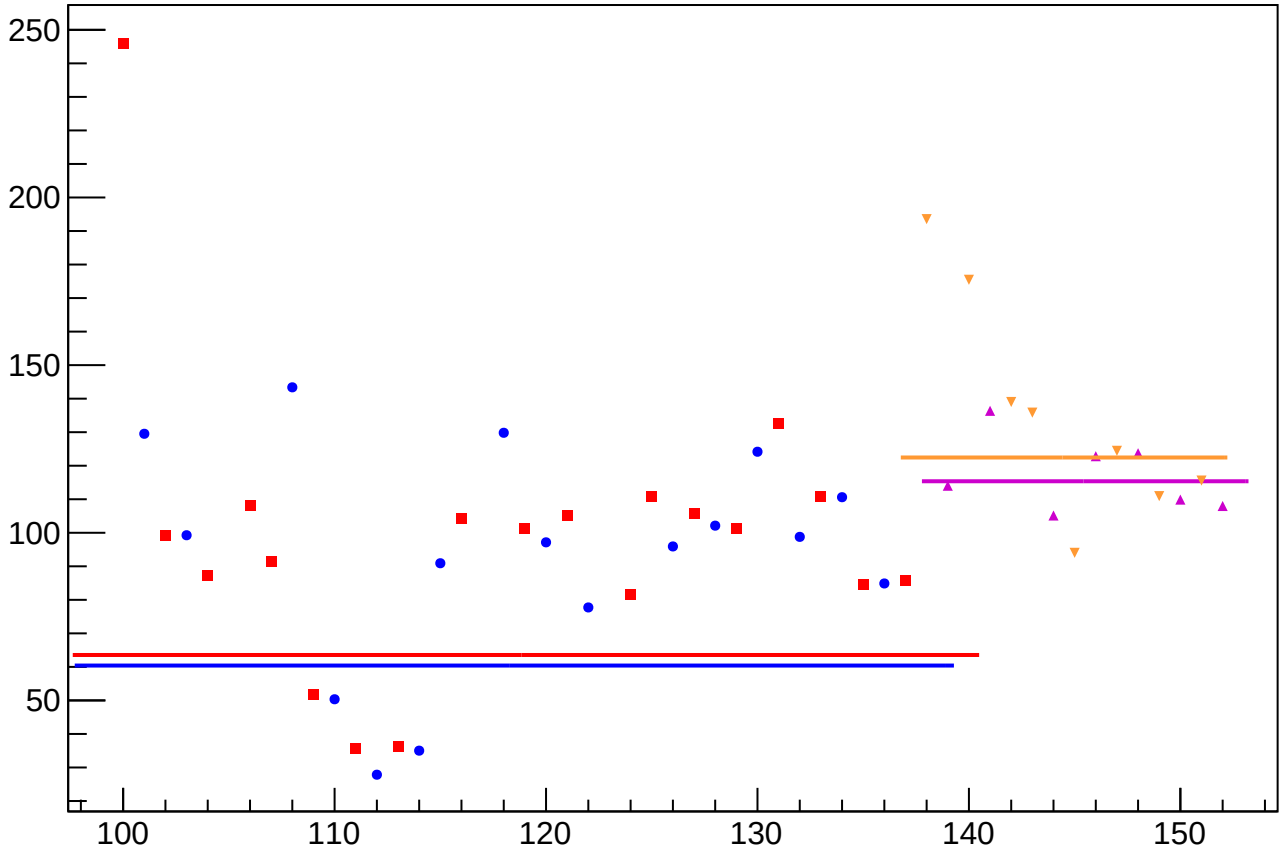
Left In: -0.080+/-0.048 χ^2/NDF:7.7/6

+ sign 0.055+/-0.024 χ^2/NDF: 34.7/23

All: 0.019+/-0.017 χ^2/NDF: 65.5/49

- sign -0.014+/-0.023 χ^2/NDF: 26.5/25

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 122.453+/-0.036 χ^2/NDF:523771.1/7

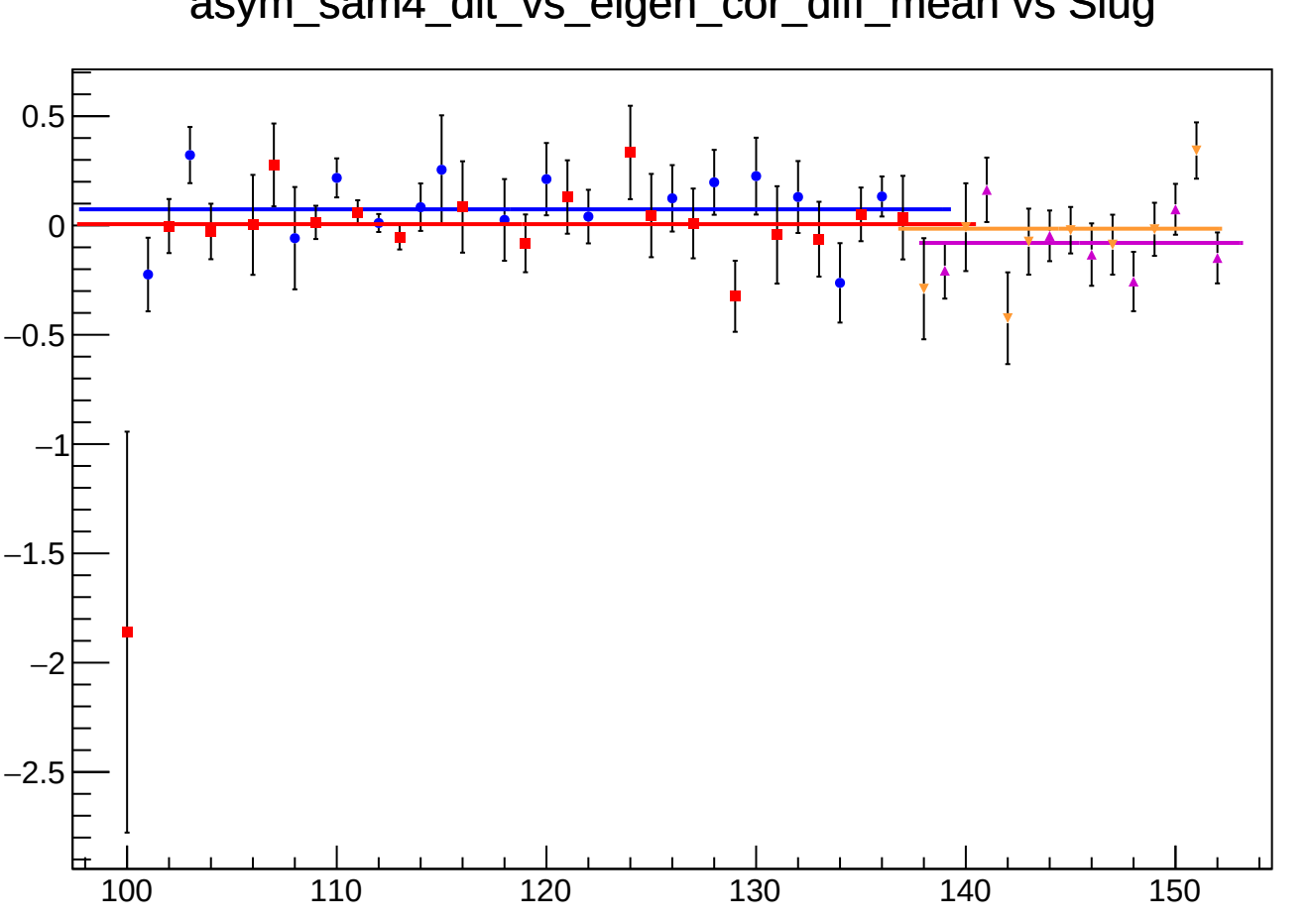
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 115.366+/-0.034 χ^2/NDF:81873.4/6

+ sign 73.866+/-0.017 χ^2/NDF: 6352089.4/23

All: 74.878+/-0.012 χ^2/NDF: 10865728.5/49

- sign 75.850+/-0.017 χ^2/NDF: 4506609.9/25



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.051 χ^2/NDF:13.4/7

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

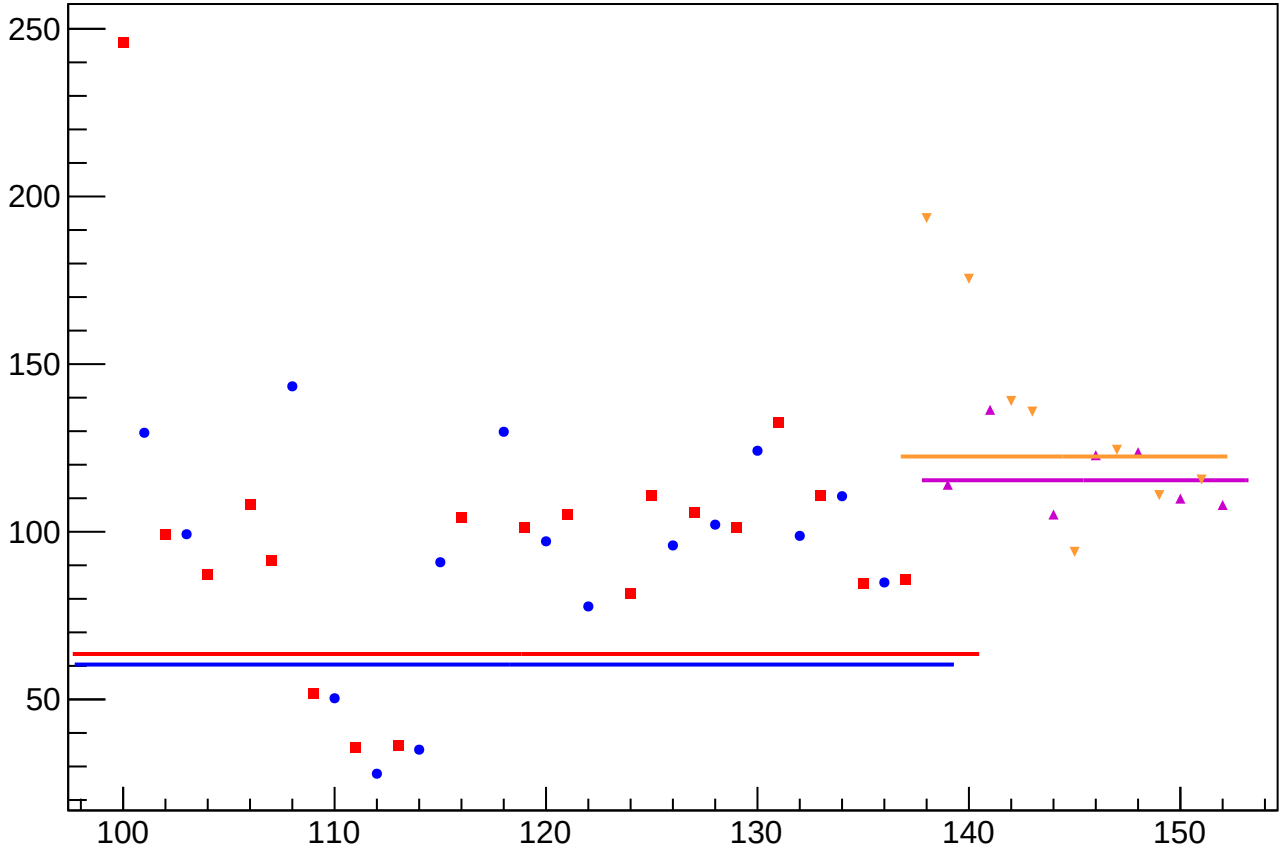
Left In: -0.080+/-0.048 χ^2/NDF:7.7/6

+ sign 0.055+/-0.024 χ^2/NDF: 34.7/23

All: 0.019+/-0.017 χ^2/NDF: 65.5/49

- sign -0.014+/-0.023 χ^2/NDF: 26.5/25

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 122.453+/-0.036 χ^2/NDF:523771.1/7

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

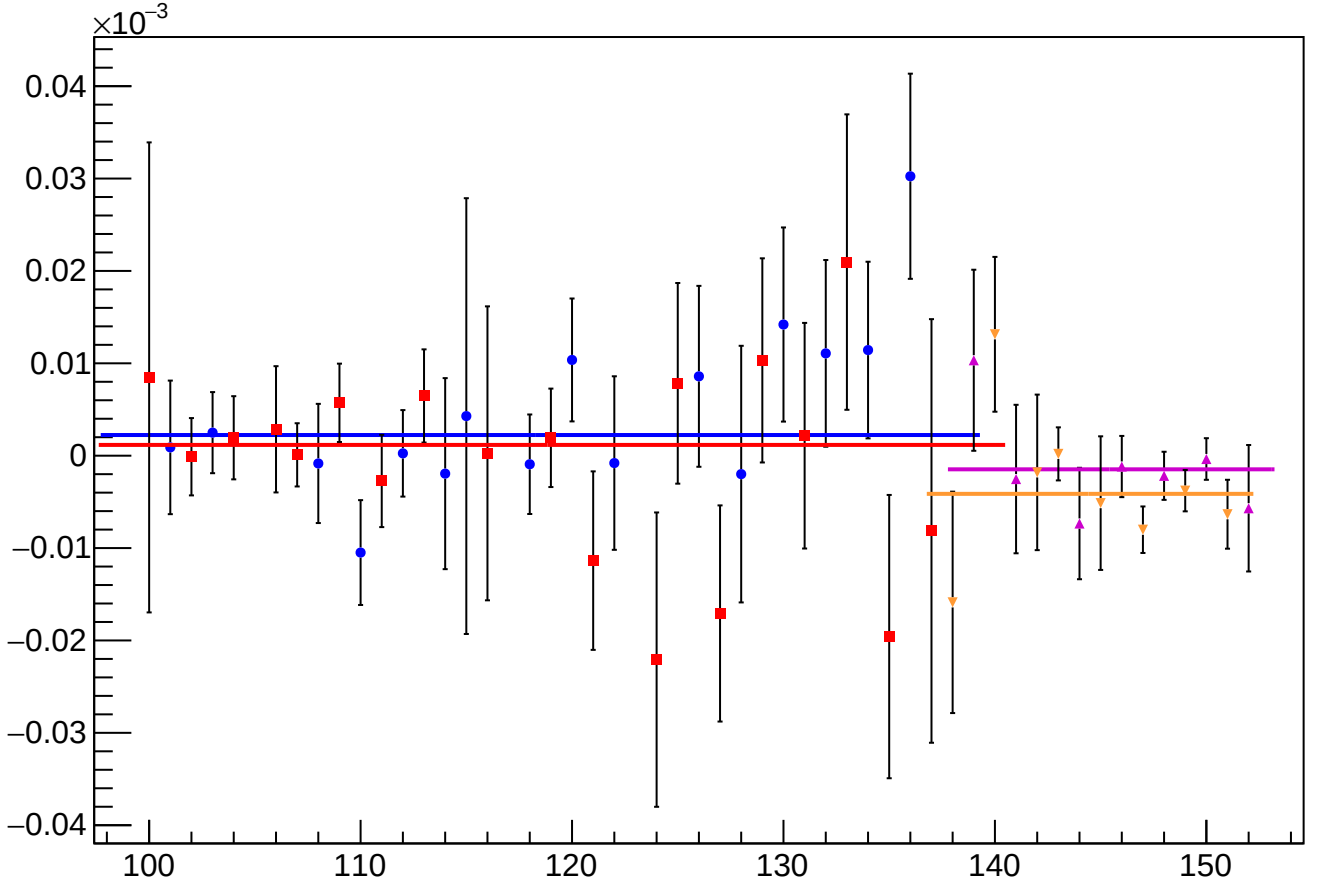
Left In: 115.366+/-0.034 χ^2/NDF:81873.4/6

+ sign 73.866+/-0.017 χ^2/NDF: 6352089.4/23

All: 74.878+/-0.012 χ^2/NDF: 10865728.5/49

- sign 75.850+/-0.017 χ^2/NDF: 4506609.9/25

asym_sam4_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

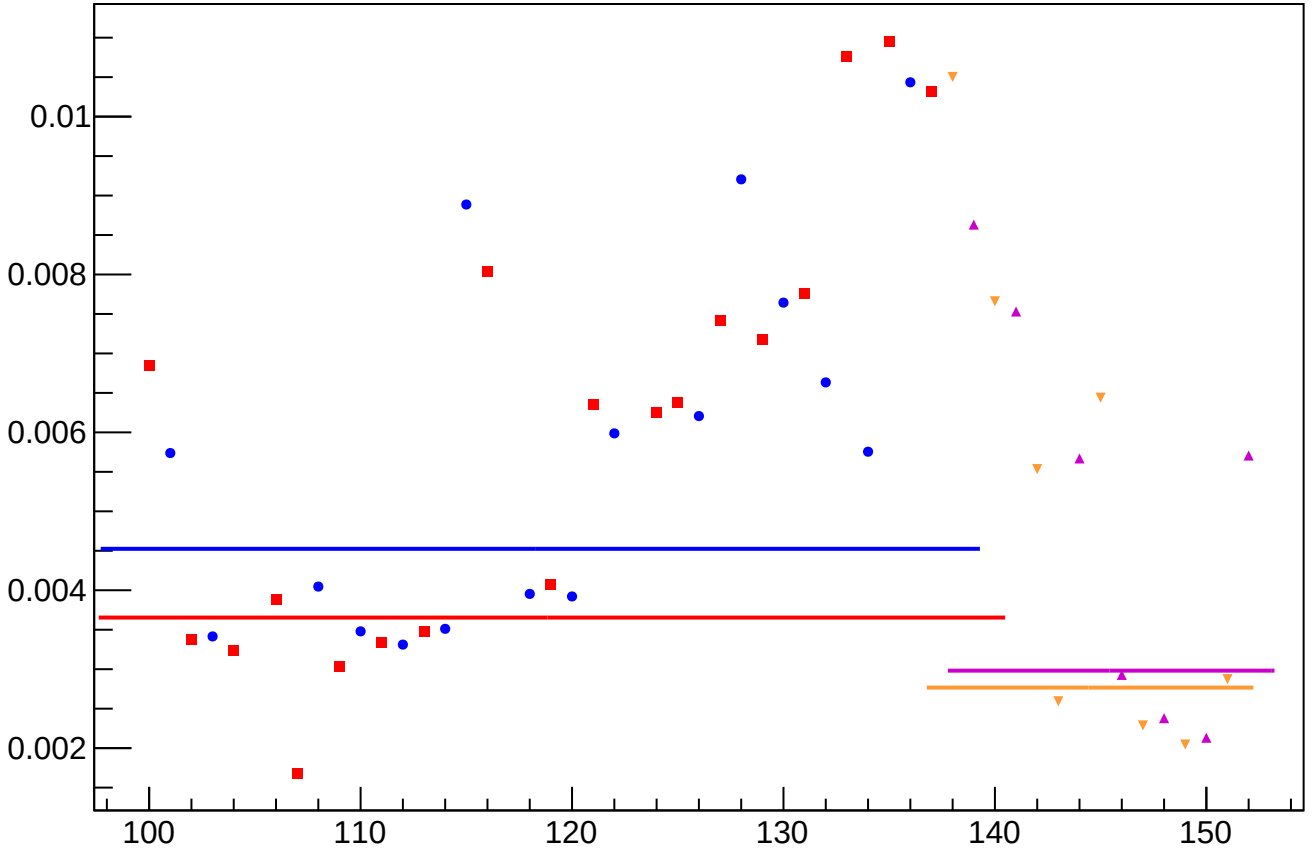
Left In: -0.000+/-0.000 χ^2/NDF:3.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 36.0/23

All: -0.000+/-0.000 χ^2/NDF: 56.3/49

- sign -0.000+/-0.000 χ^2/NDF: 18.9/25

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:2535980.2/7

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

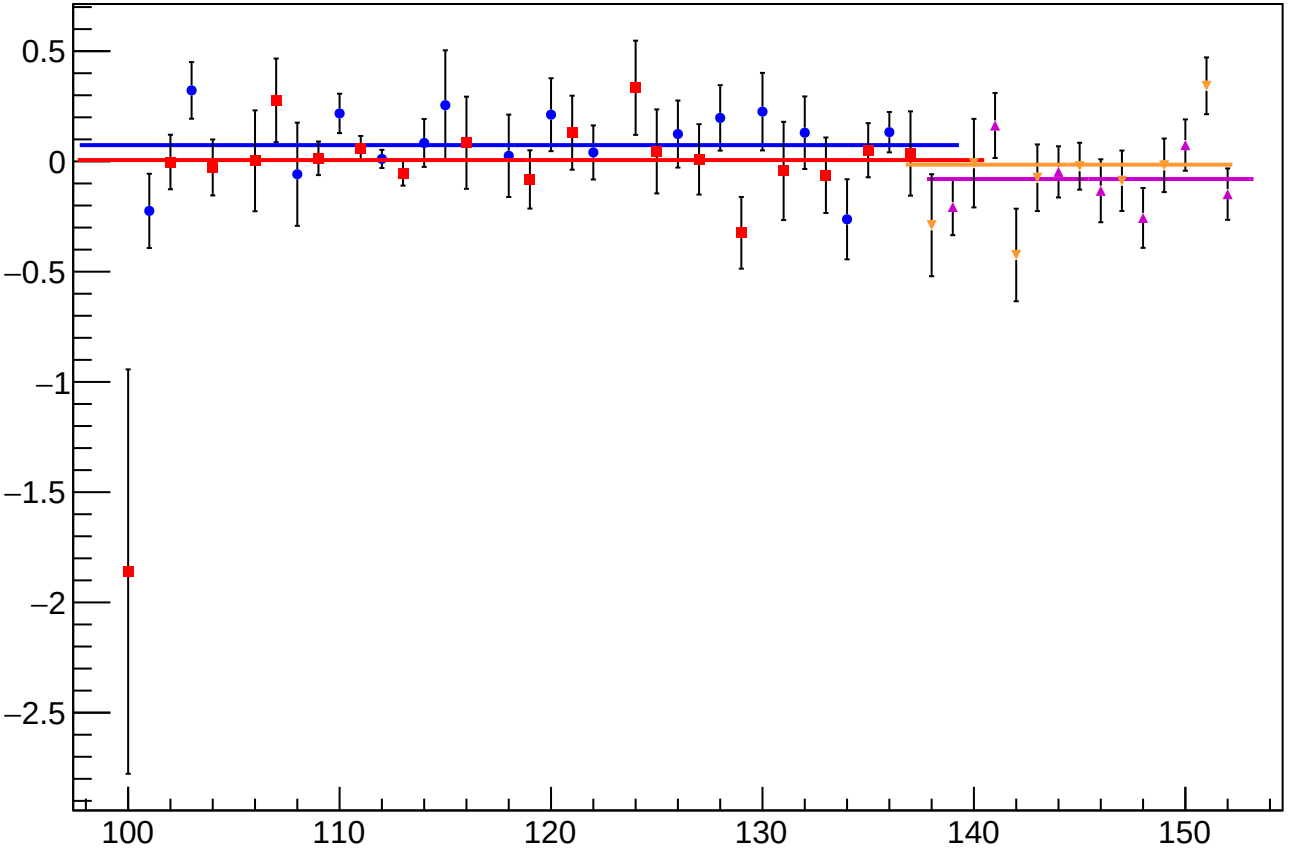
Left In: 0.003+/-0.000 χ^2/NDF:2412427.0/6

+ sign 0.003+/-0.000 χ^2/NDF: 5509938.4/23

All: 0.003+/-0.000 χ^2/NDF: 11073936.0/49

- sign 0.003+/-0.000 χ^2/NDF: 5560477.1/25

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.051 χ^2/NDF:13.4/7

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

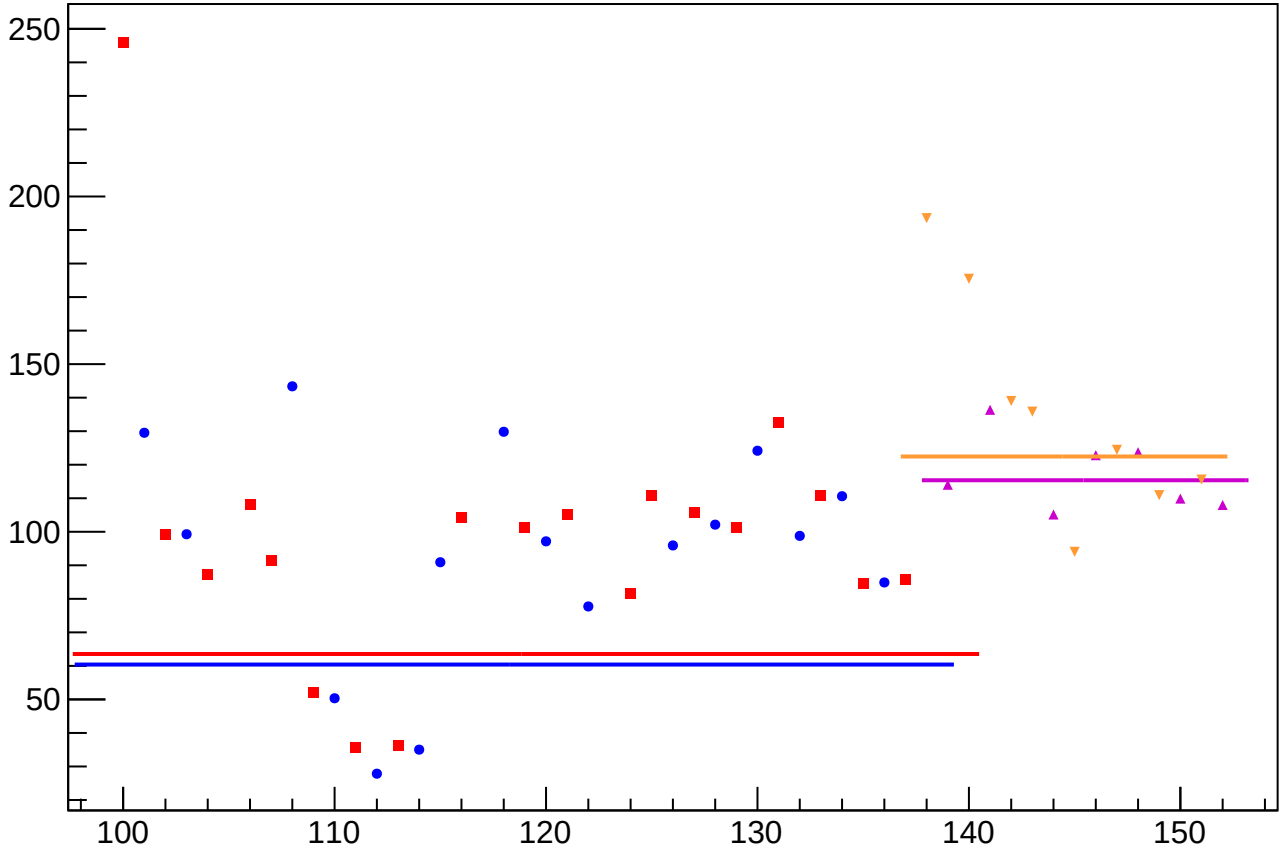
Left In: -0.080+/-0.048 χ^2/NDF:7.7/6

+ sign 0.055+/-0.024 χ^2/NDF: 34.7/23

All: 0.019+/-0.017 χ^2/NDF: 65.5/49

- sign -0.014+/-0.023 χ^2/NDF: 26.5/25

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 122.454+/-0.036 χ^2/NDF:523745.5/7

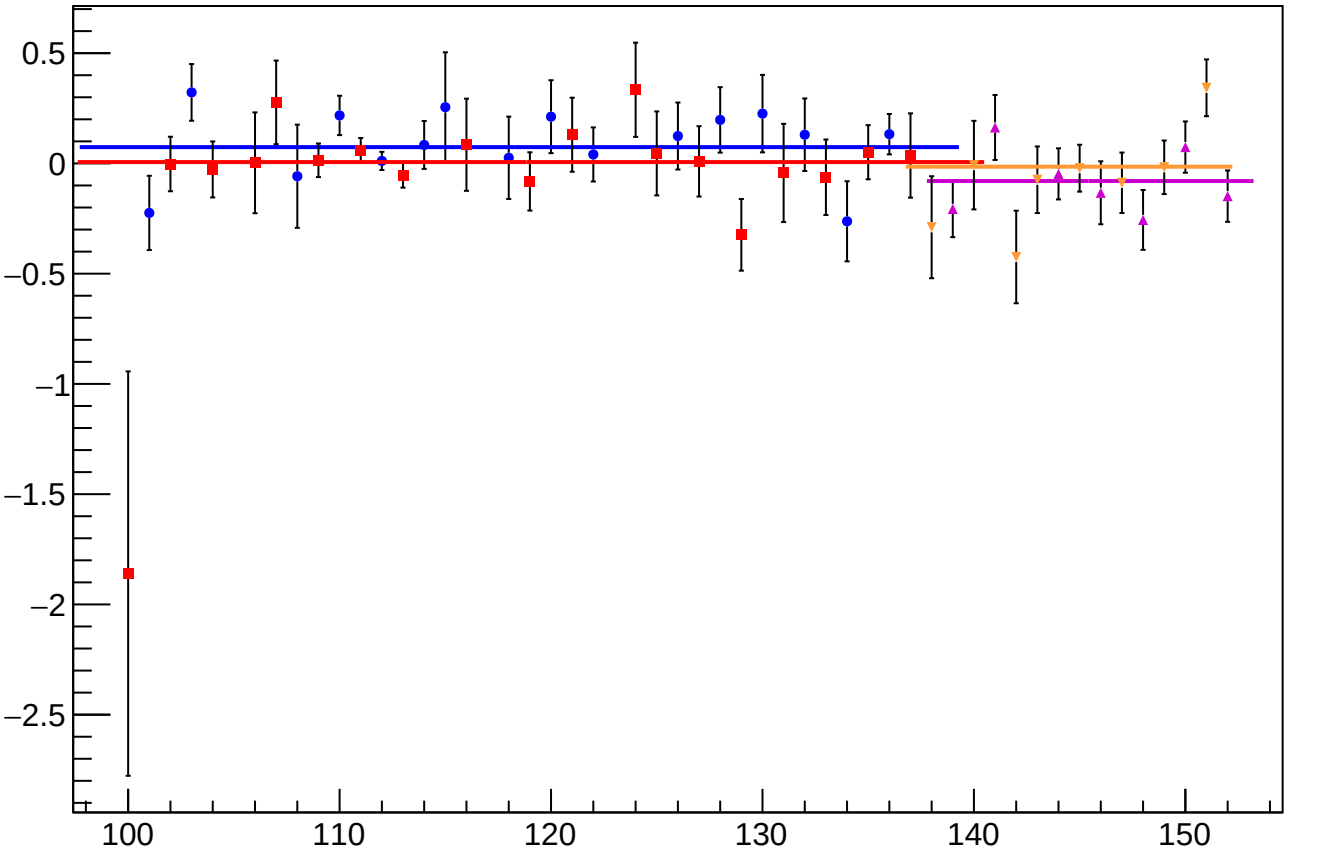
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 115.367+/-0.034 χ^2/NDF:81872.4/6

+ sign 73.864+/-0.017 χ^2/NDF: 6352556.0/23

All: 74.876+/-0.012 χ^2/NDF: 10866653.7/49

- sign 75.849+/-0.017 χ^2/NDF: 4507065.4/25



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.051 χ^2/NDF:13.4/7

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

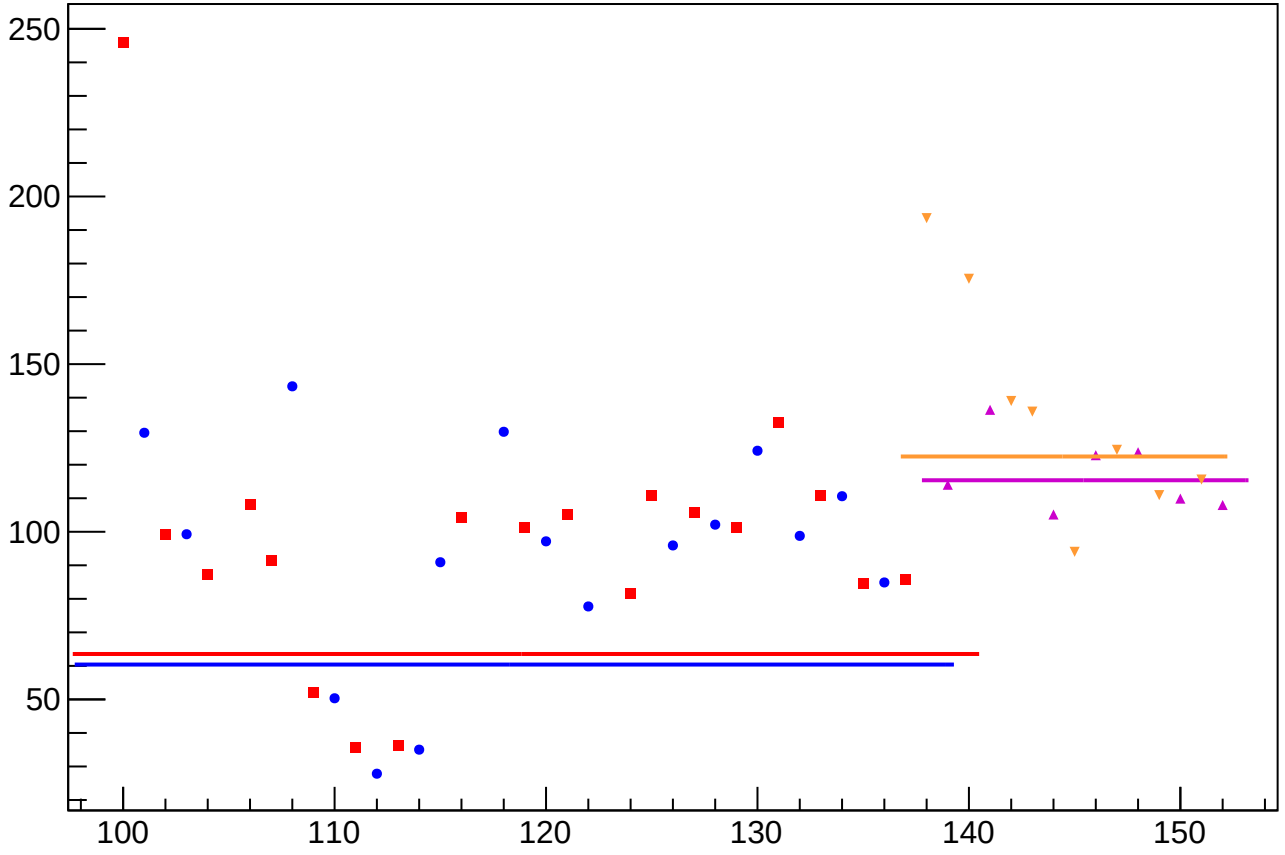
Left In: -0.080+/-0.048 χ^2/NDF:7.7/6

+ sign 0.055+/-0.024 χ^2/NDF: 34.7/23

All: 0.019+/-0.017 χ^2/NDF: 65.5/49

- sign -0.014+/-0.023 χ^2/NDF: 26.5/25

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: 122.454+/-0.036 χ^2/NDF:523745.5/7

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

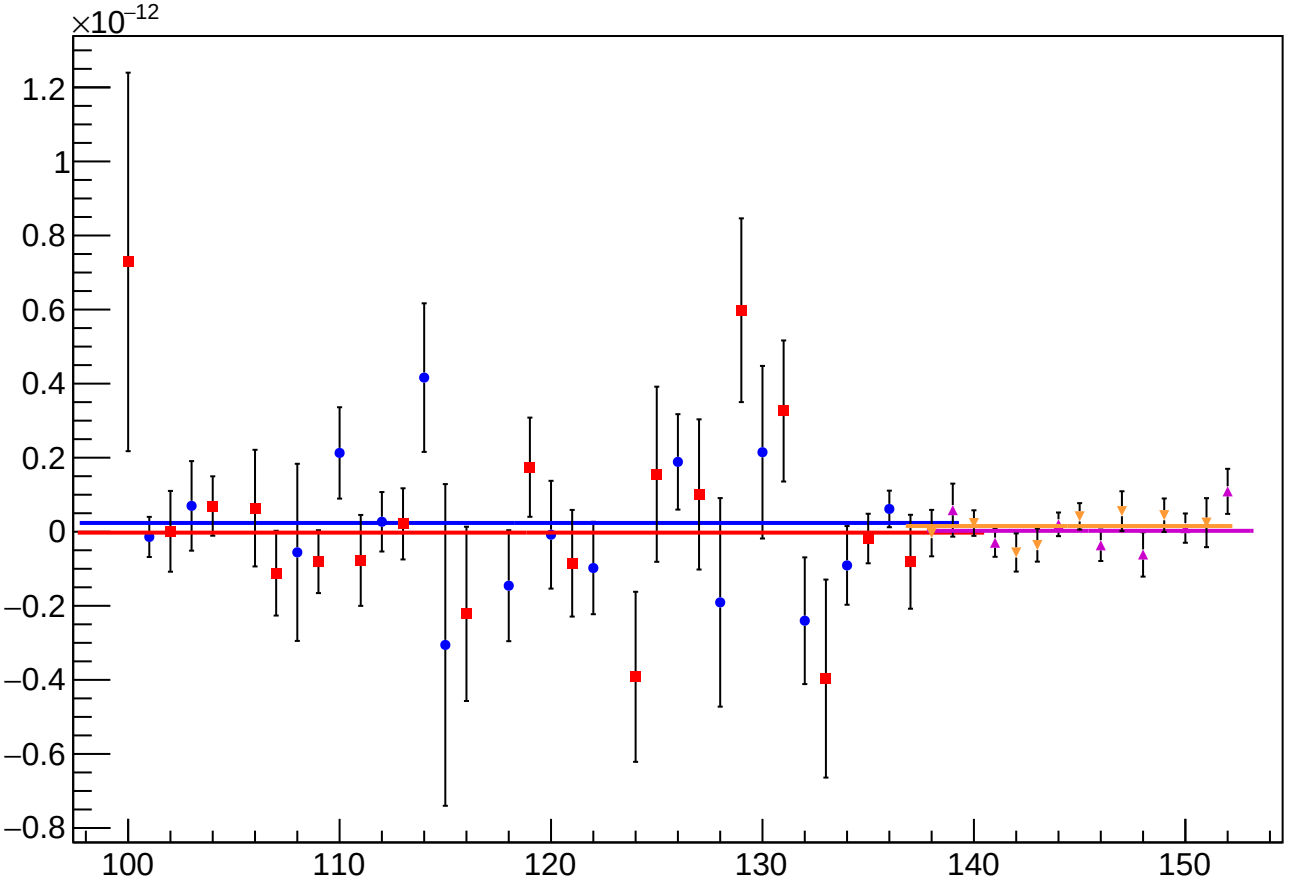
Left In: 115.367+/-0.034 χ^2/NDF:81872.4/6

+ sign 73.864+/-0.017 χ^2/NDF: 6352556.0/23

All: 74.876+/-0.012 χ^2/NDF: 10866653.7/49

- sign 75.849+/-0.017 χ^2/NDF: 4507065.4/25

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.9/7

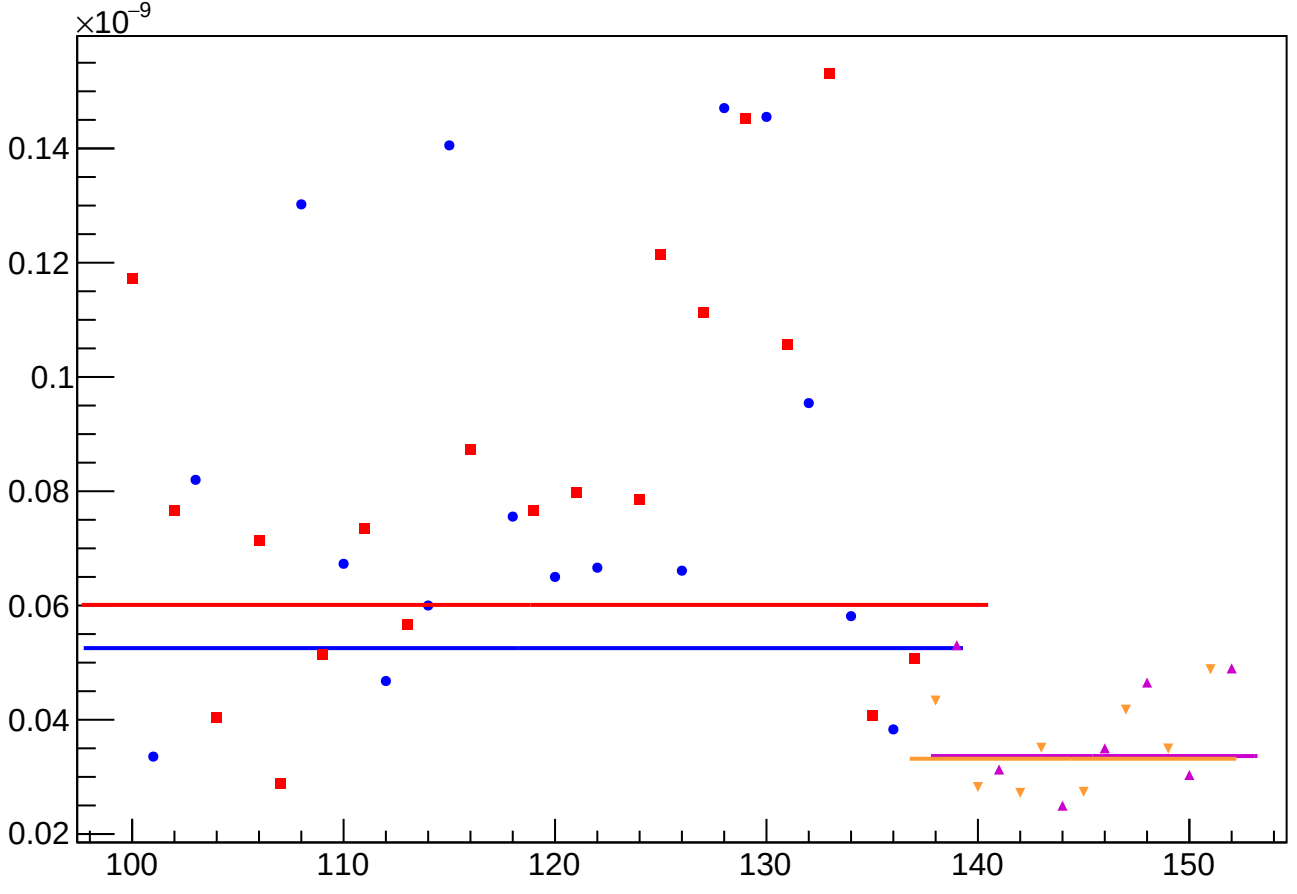
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 21.8/23

All: 0.000+/-0.000 χ^2/NDF: 52.4/49

- sign 0.000+/-0.000 χ^2/NDF: 29.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:343311.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

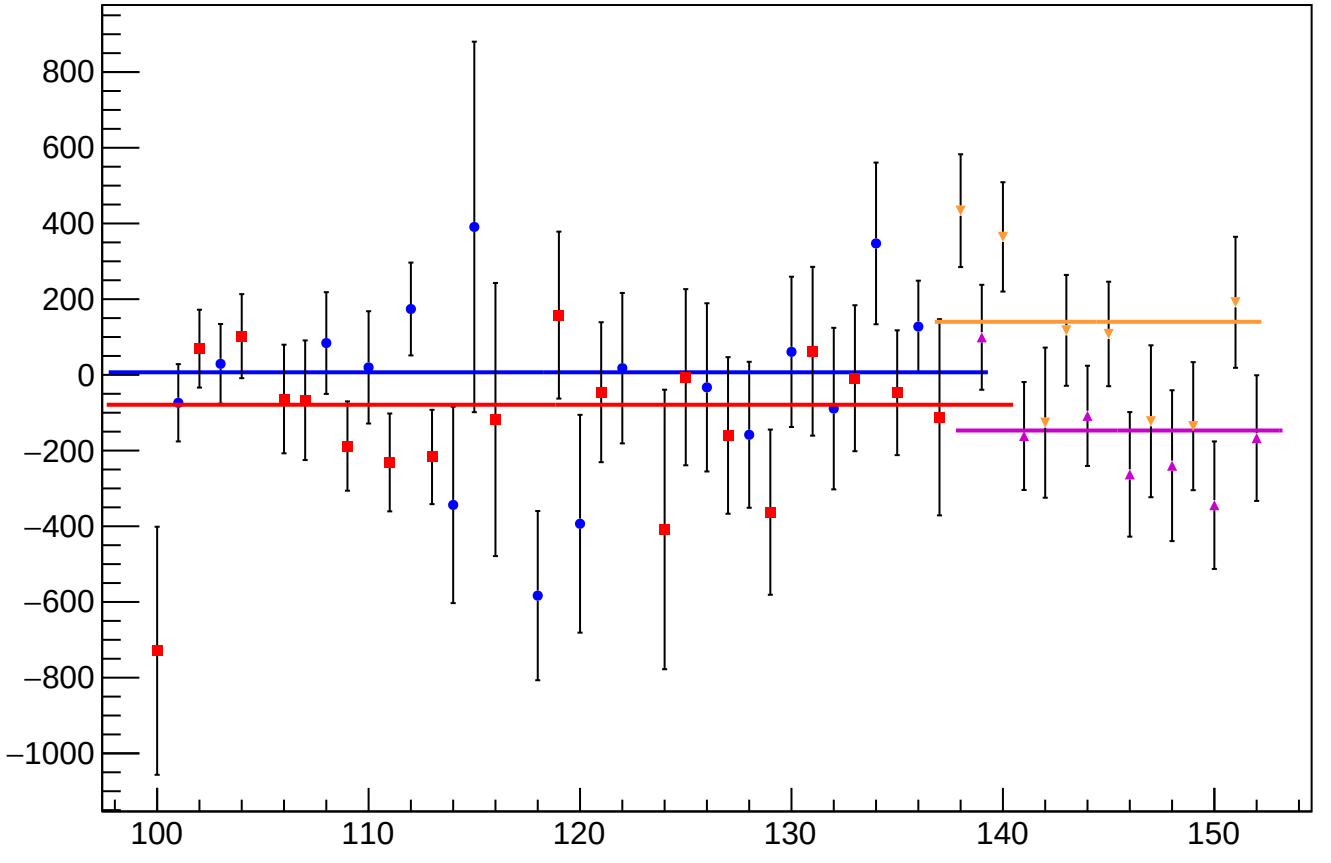
Left In: 0.000+/-0.000 χ^2/NDF:538096.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 2783234.8/23

All: 0.000+/-0.000 χ^2/NDF: 6135695.8/49

- sign 0.000+/-0.000 χ^2/NDF: 3337483.3/25

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 140.270+/-56.740 χ^2/NDF:12.6/7

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

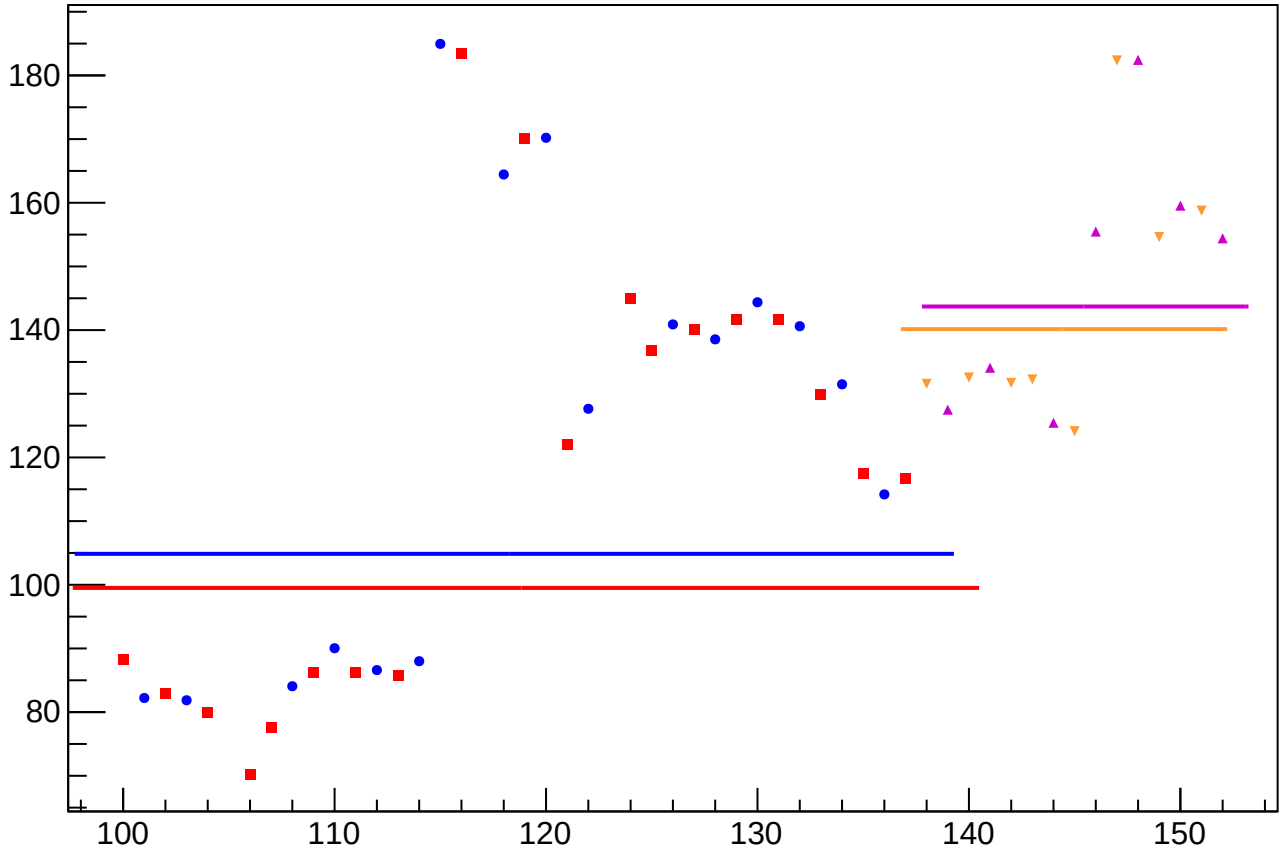
Left In: -146.956+/-58.528 χ^2/NDF:5.4/6

+ sign 51.639+/-32.885 χ^2/NDF: 35.1/23

All: -26.168+/-22.866 χ^2/NDF: 68.9/49

- sign -98.999+/-31.816 χ^2/NDF: 23.0/25

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 140.152+/-0.040 χ^2/NDF:174737.7/7

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

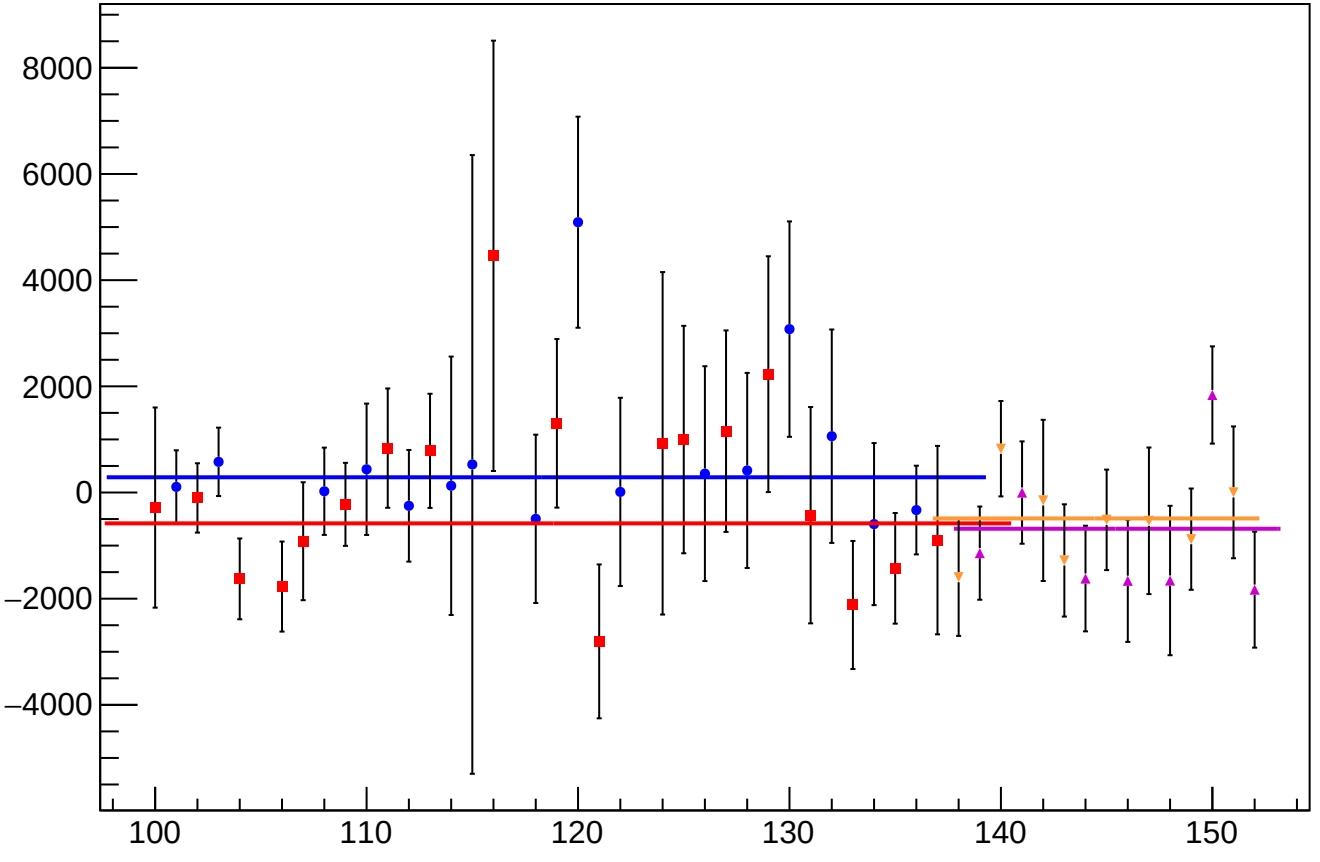
Left In: 143.707+/-0.041 χ^2/NDF:186314.2/6

+ sign 116.714+/-0.023 χ^2/NDF: 1619832.3/23

All: 114.573+/-0.016 χ^2/NDF: 3665154.3/49

- sign 112.569+/-0.022 χ^2/NDF: 2028905.8/25

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -488.389+/-384.282 χ^2/NDF:4.1/7

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

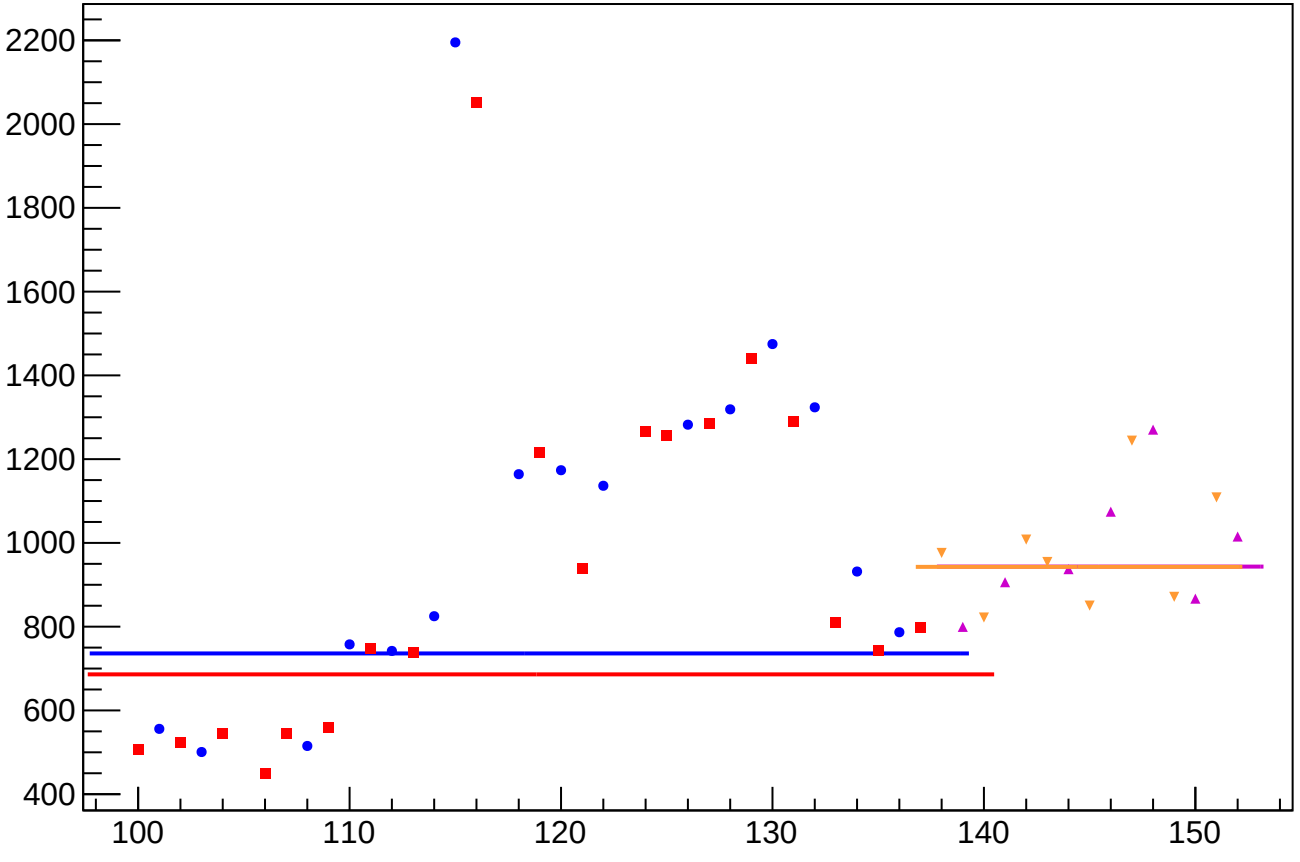
Left In: -682.827+/-387.096 χ^2/NDF:11.5/6

+ sign 1.309+/-233.237 χ^2/NDF: 16.3/23

All: -322.683+/-160.548 χ^2/NDF: 50.3/49

- sign -614.435+/-221.328 χ^2/NDF: 30.3/25

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 942.777+/-0.272 χ^2/NDF:203281.3/7

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

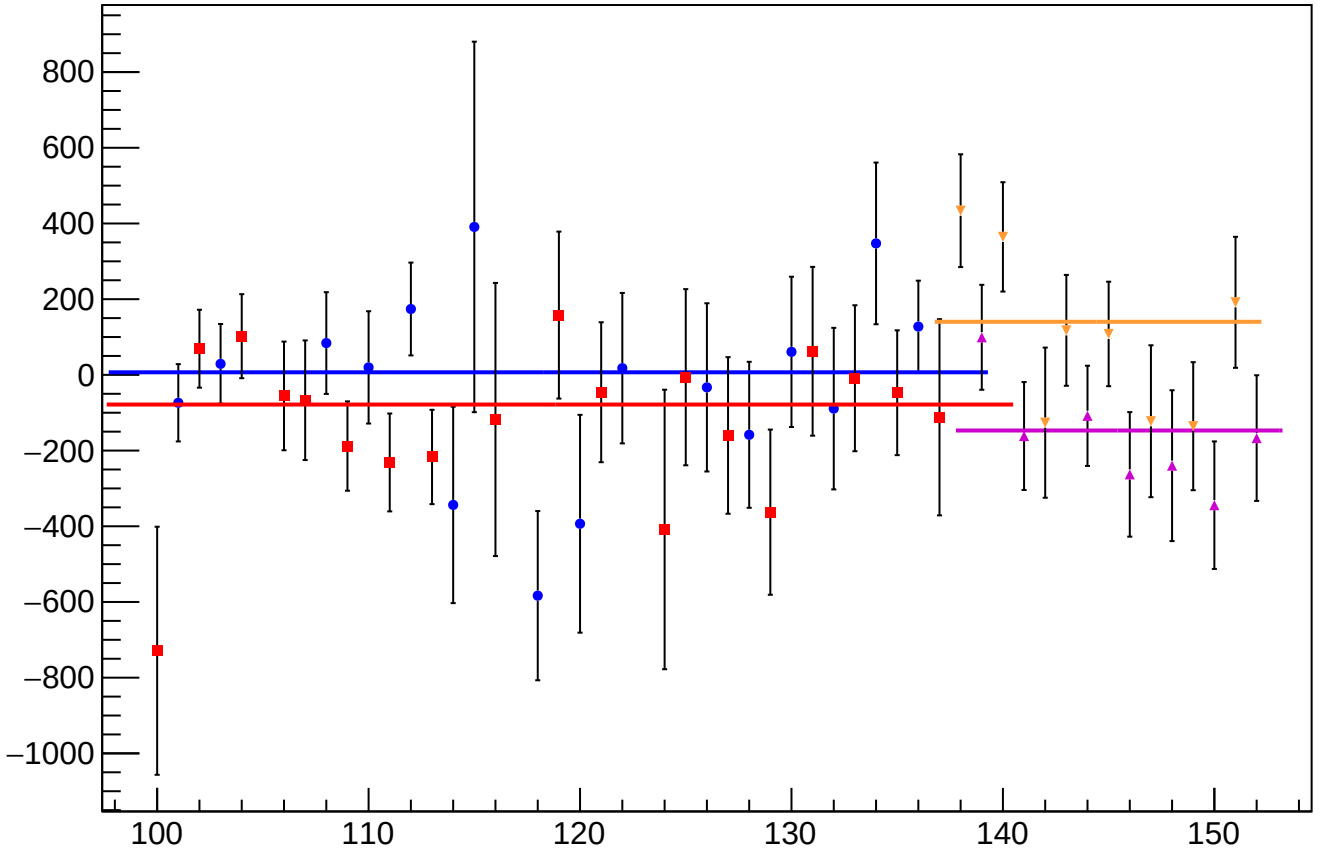
Left In: 943.431+/-0.274 χ^2/NDF:213395.9/6

+ sign 812.225+/-0.165 χ^2/NDF: 2413236.1/23

All: 790.129+/-0.114 χ^2/NDF: 5074786.7/49

- sign 770.231+/-0.157 χ^2/NDF: 2627434.8/25

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 140.275+/-56.740 χ^2/NDF:12.6/7

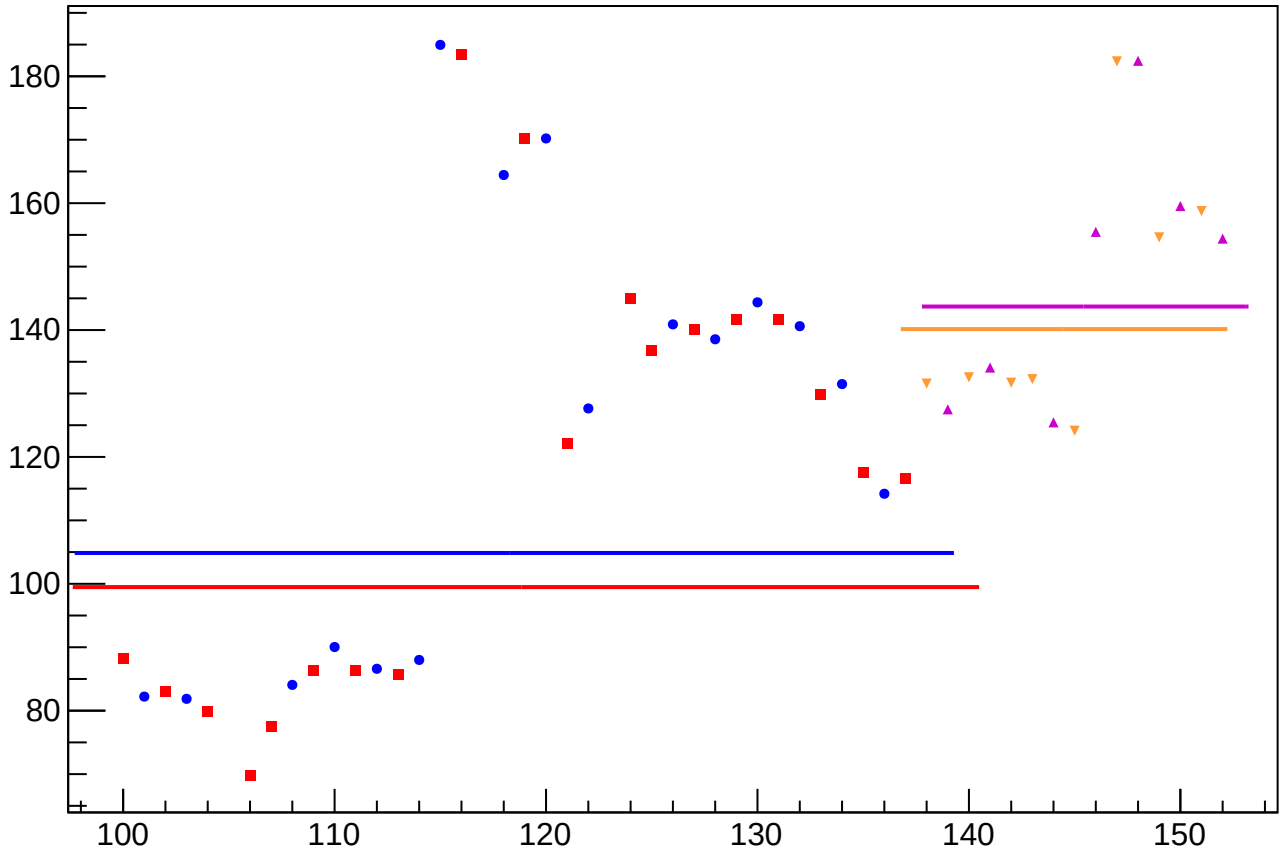
Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: -146.955+/-58.528 χ^2/NDF:5.4/6

+ sign 51.633+/-32.885 χ^2/NDF: 35.1/23

All: -25.973+/-22.866 χ^2/NDF: 68.9/49

- sign -98.623+/-31.818 χ^2/NDF: 23.0/25



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 140.152+/-0.040 χ^2/NDF:174737.7/7

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

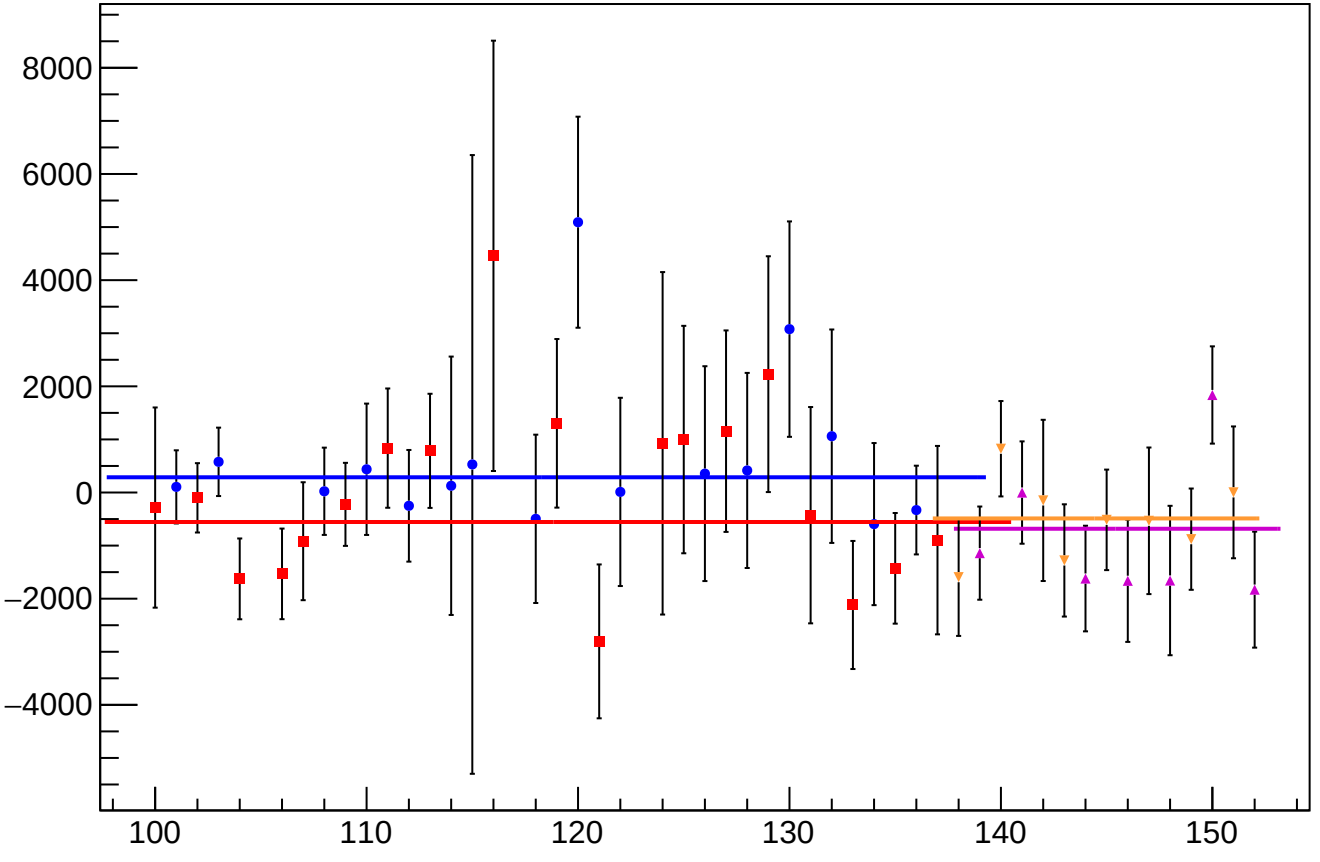
Left In: 143.707+/-0.041 χ^2/NDF:186314.2/6

+ sign 116.714+/-0.023 χ^2/NDF: 1619831.1/23

All: 114.565+/-0.016 χ^2/NDF: 3668297.6/49

- sign 112.553+/-0.022 χ^2/NDF: 2031927.8/25

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -488.385+/-384.282 χ^2/NDF:4.1/7

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

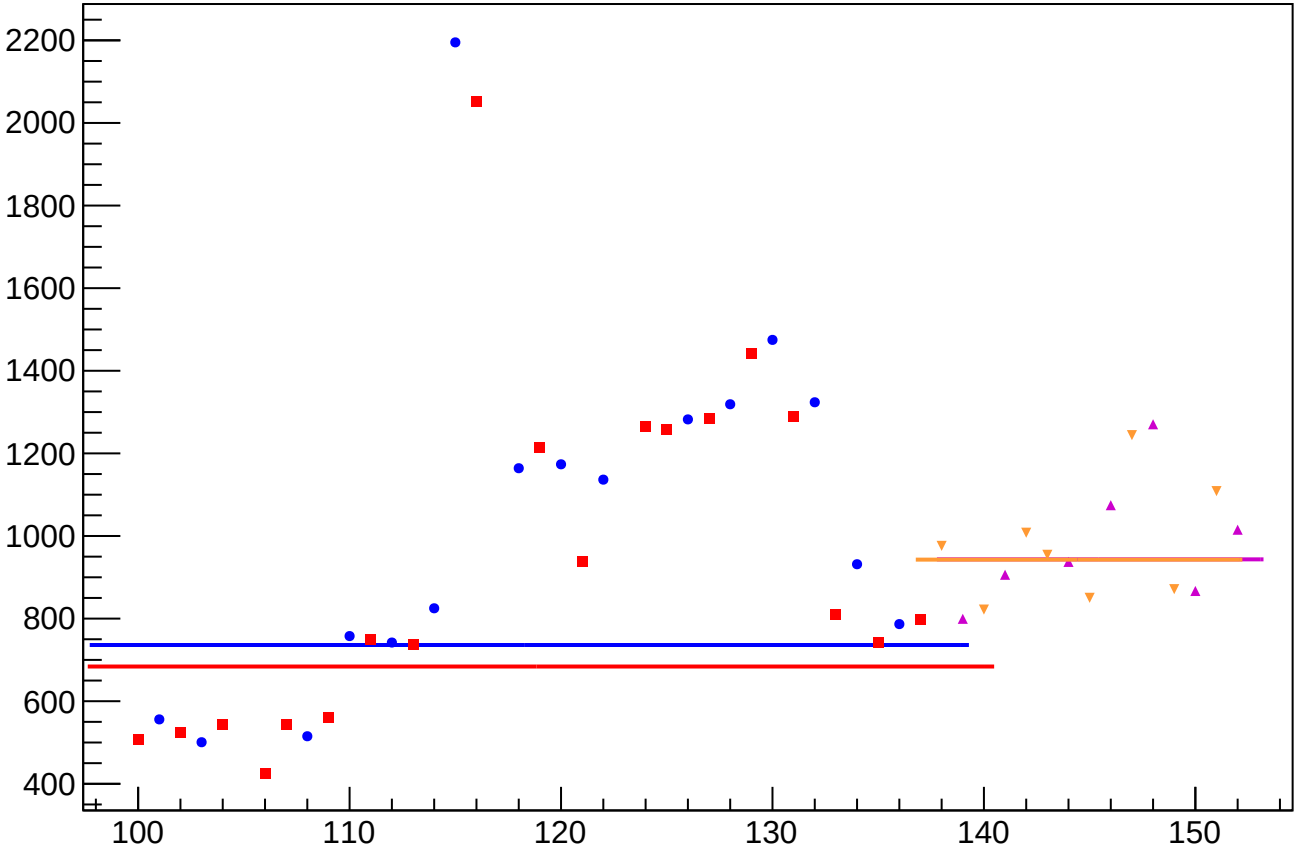
Left In: -682.820+/-387.096 χ^2/NDF:11.5/6

+ sign 1.313+/-233.237 χ^2/NDF: 16.3/23

All: -313.436+/-160.585 χ^2/NDF: 49.4/49

- sign -597.117+/-221.427 χ^2/NDF: 29.6/25

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 942.777+/-0.272 χ^2/NDF:203280.9/7

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

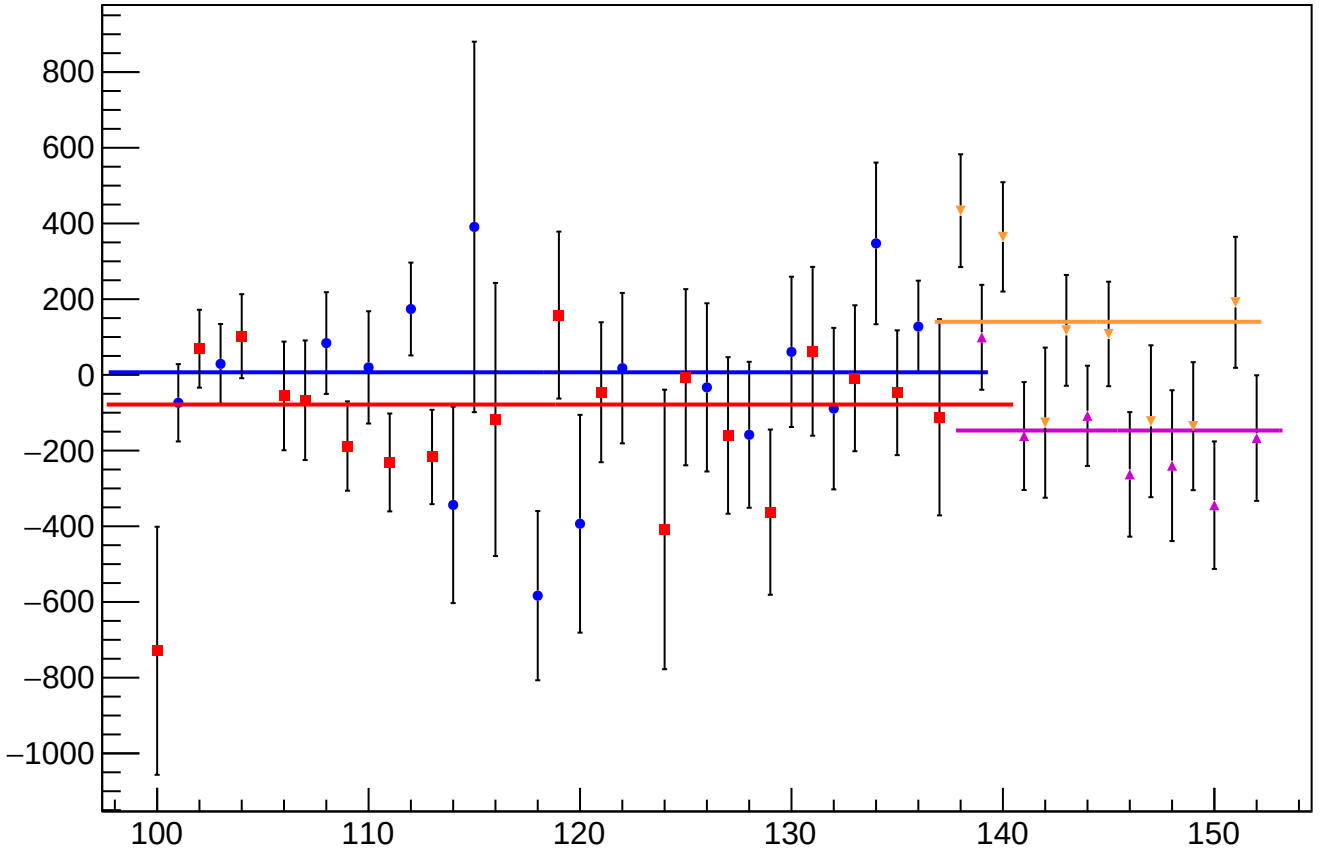
Left In: 943.431+/-0.274 χ^2/NDF:213396.1/6

+ sign 812.225+/-0.165 χ^2/NDF: 2413240.5/23

All: 789.424+/-0.114 χ^2/NDF: 5117858.1/49

- sign 768.874+/-0.157 χ^2/NDF: 2668278.1/25

eigen_cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 140.275+/-56.740 χ^2/NDF:12.6/7

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

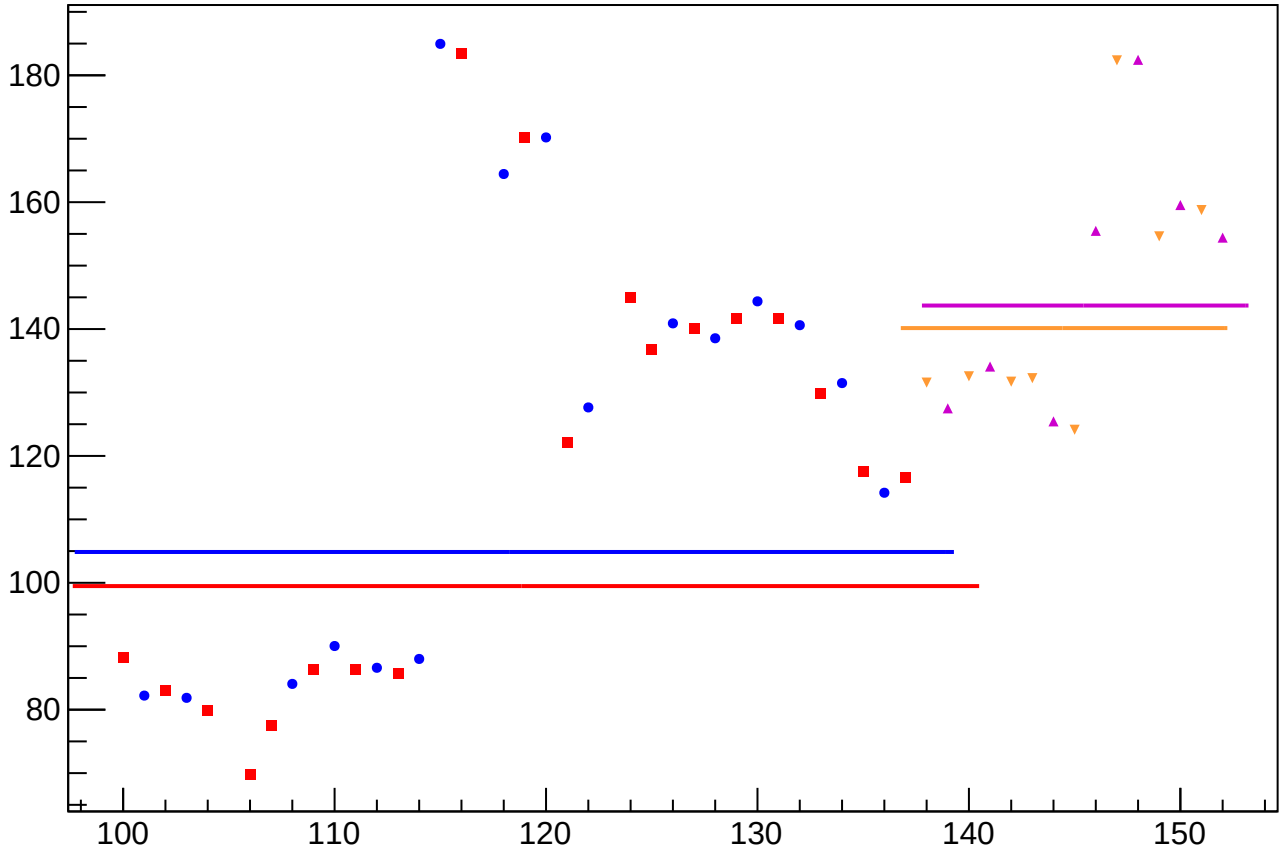
Left In: -146.955+/-58.528 χ^2/NDF:5.4/6

+ sign 51.633+/-32.885 χ^2/NDF: 35.1/23

All: -25.973+/-22.866 χ^2/NDF: 68.9/49

- sign -98.623+/-31.818 χ^2/NDF: 23.0/25

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 140.152+/-0.040 χ^2/NDF:174737.7/7

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

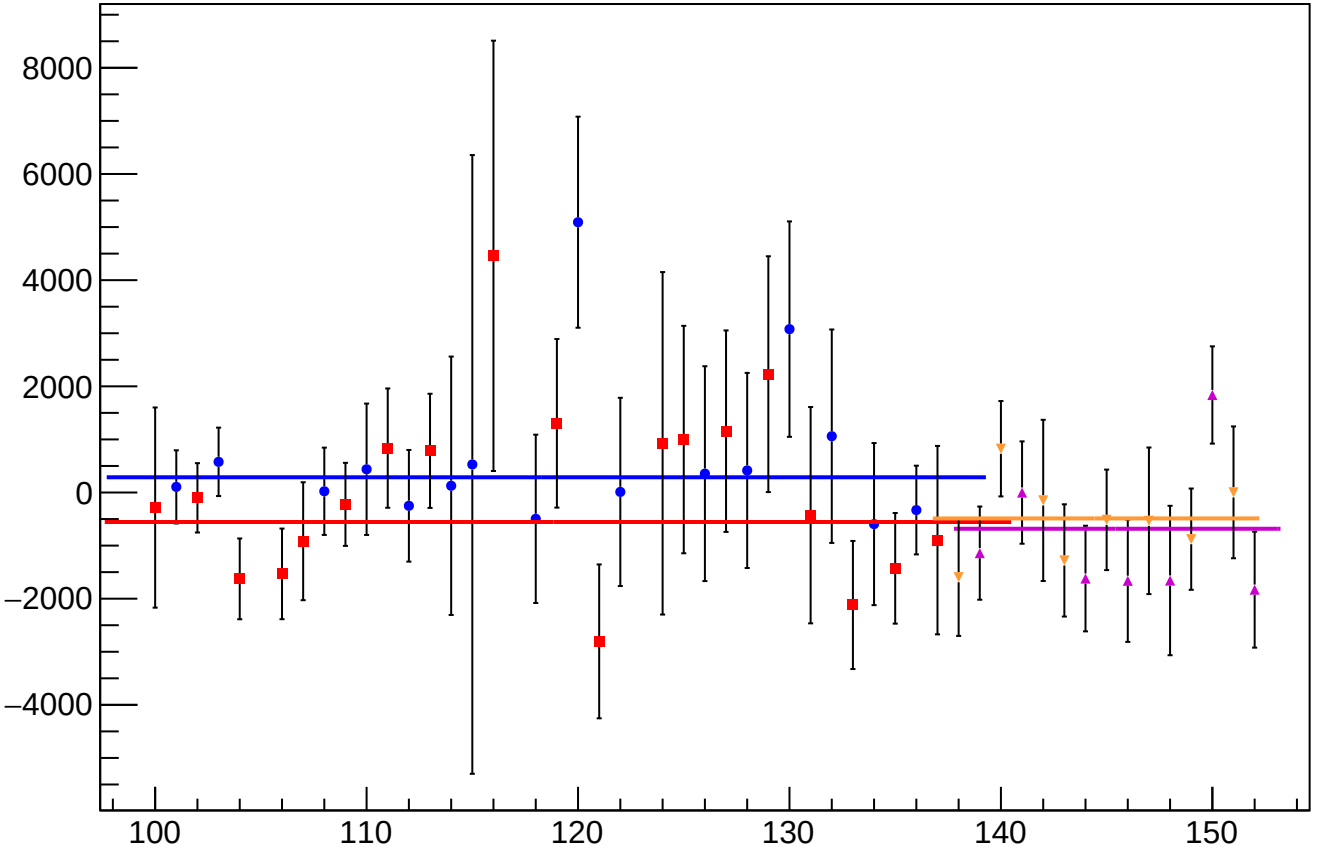
Left In: 143.707+/-0.041 χ^2/NDF:186314.2/6

+ sign 116.714+/-0.023 χ^2/NDF: 1619831.1/23

All: 114.565+/-0.016 χ^2/NDF: 3668297.6/49

- sign 112.553+/-0.022 χ^2/NDF: 2031927.8/25

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -488.385+/-384.282 χ^2/NDF:4.1/7

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

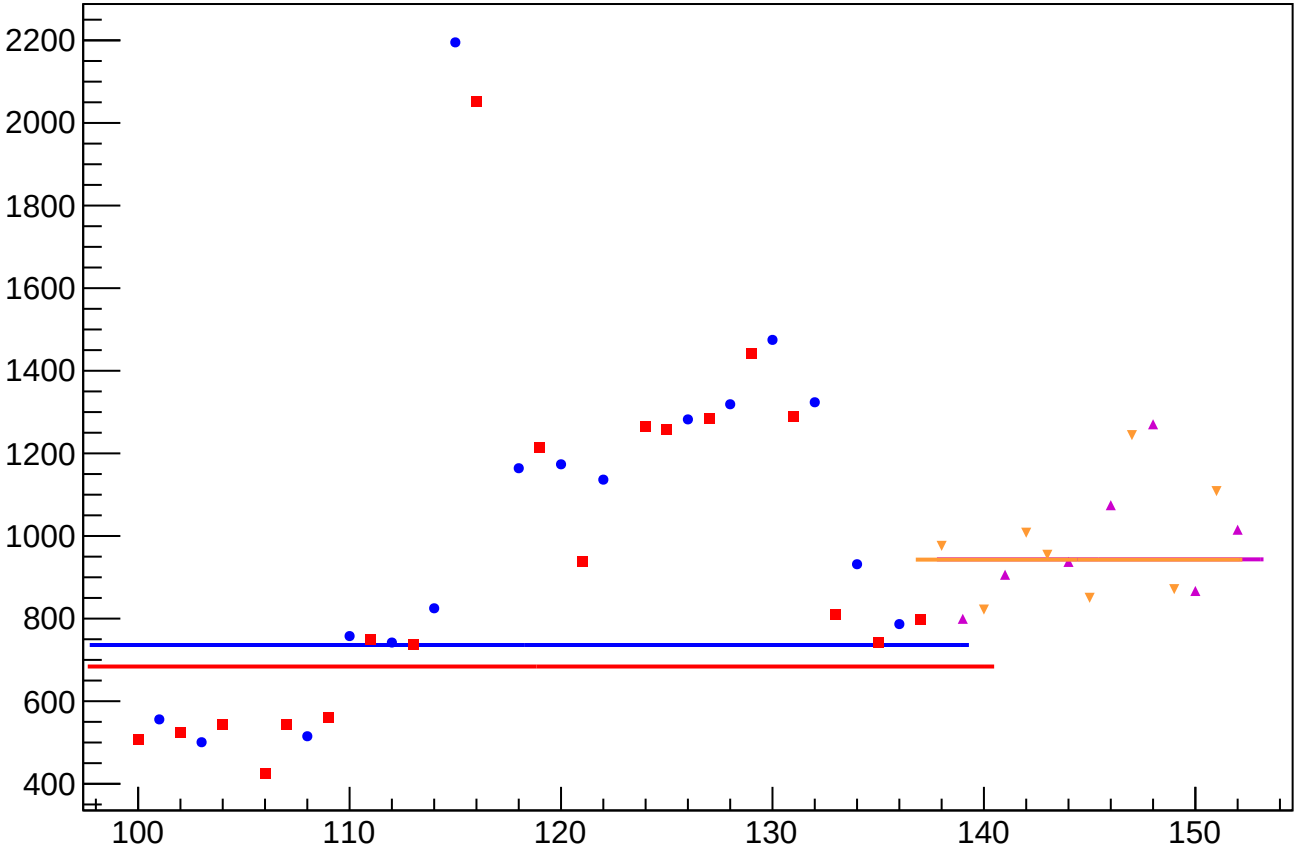
Left In: -682.820+/-387.096 χ^2/NDF:11.5/6

+ sign 1.313+/-233.237 χ^2/NDF: 16.3/23

All: -313.436+/-160.585 χ^2/NDF: 49.4/49

- sign -597.117+/-221.427 χ^2/NDF: 29.6/25

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 942.777+/-0.272 χ^2/NDF:203280.9/7

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

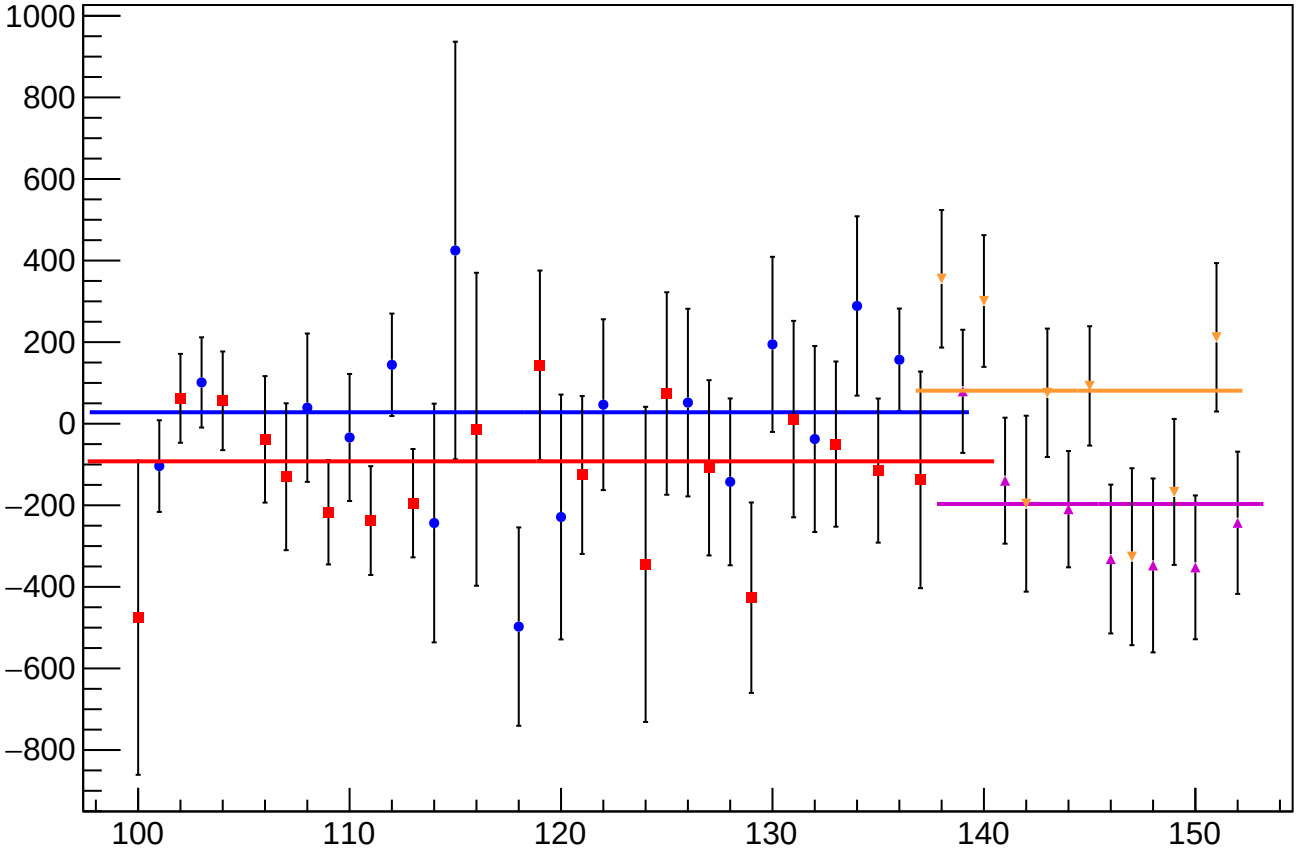
Left In: 943.431+/-0.274 χ^2/NDF:213396.1/6

+ sign 812.225+/-0.165 χ^2/NDF: 2413240.5/23

All: 789.424+/-0.114 χ^2/NDF: 5117858.1/49

- sign 768.874+/-0.157 χ^2/NDF: 2668278.1/25

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 81.037+/-61.457 χ^2/NDF:12.1/7

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

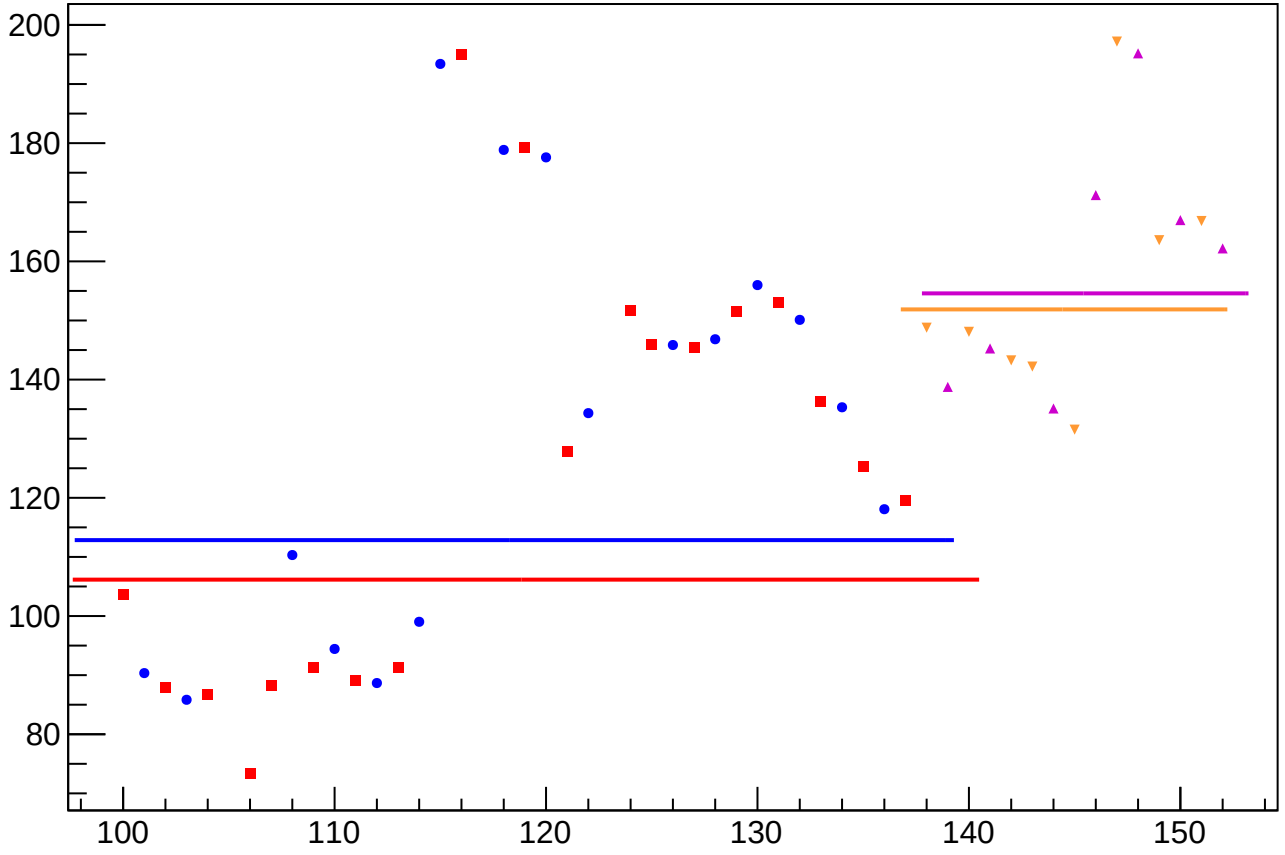
Left In: -196.752+/-62.989 χ^2/NDF:5.4/6

+ sign 45.732+/-35.473 χ^2/NDF: 26.2/23

All: -41.913+/-24.579 χ^2/NDF: 56.9/49

- sign -122.855+/-34.089 χ^2/NDF: 19.0/25

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 151.874+/-0.043 χ^2/NDF:160521.7/7

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

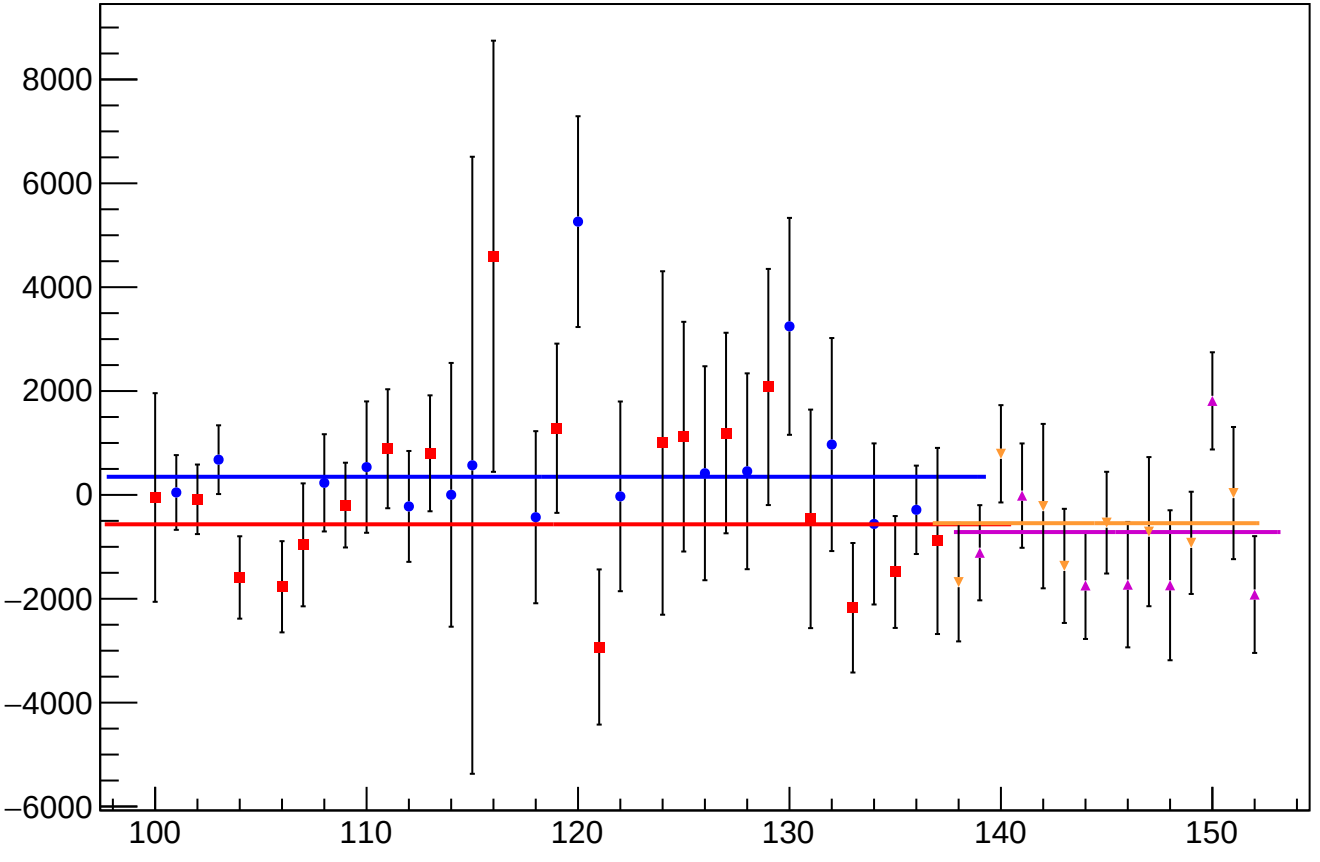
Left In: 154.586+/-0.045 χ^2/NDF:169394.8/6

+ sign 125.846+/-0.025 χ^2/NDF: 1570707.5/23

All: 122.985+/-0.017 χ^2/NDF: 3603205.0/49

- sign 120.342+/-0.024 χ^2/NDF: 2007467.4/25

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -544.653+/-398.048 χ^2/NDF:4.0/7

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

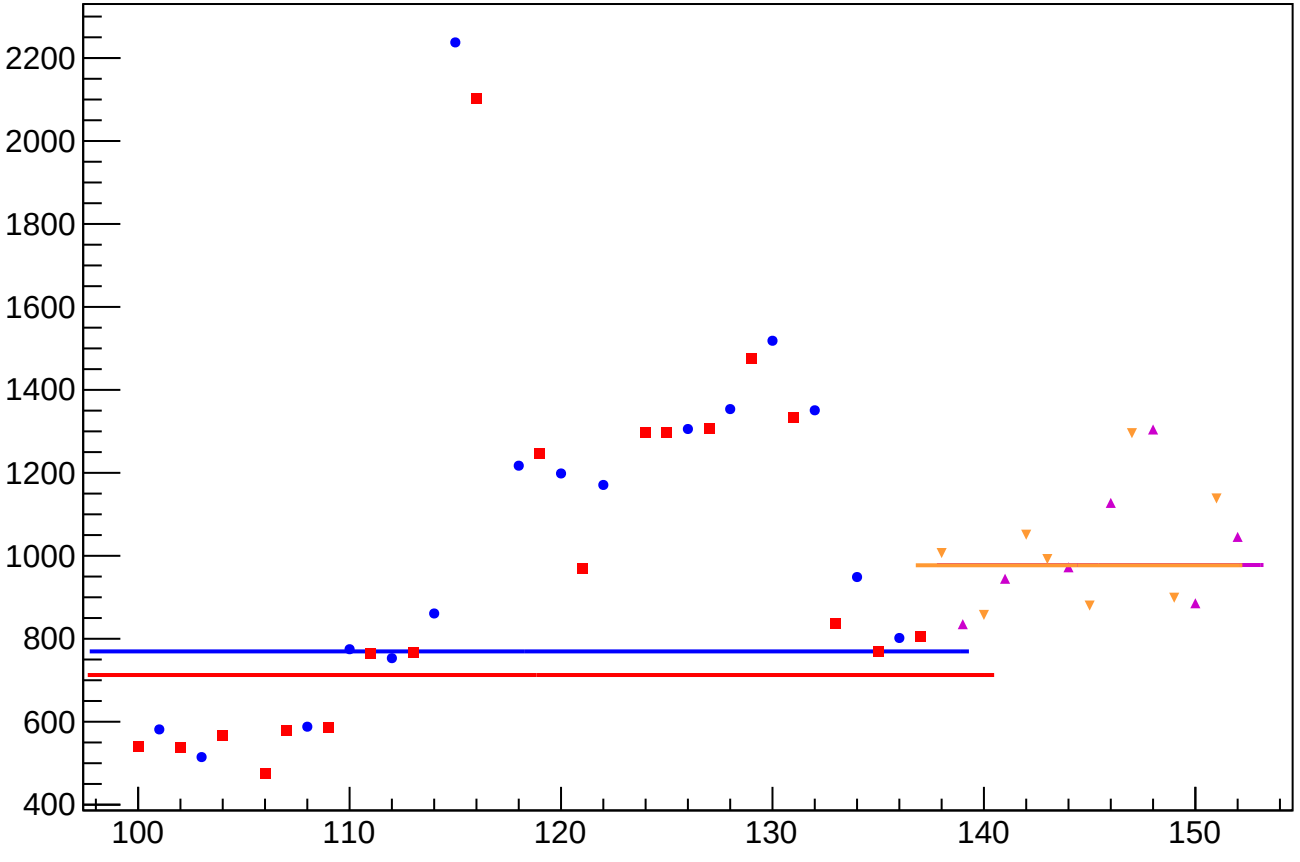
Left In: -715.451+/-400.953 χ^2/NDF:11.3/6

+ sign 18.034+/-242.264 χ^2/NDF: 17.0/23

All: -316.010+/-166.470 χ^2/NDF: 50.3/49

- sign -614.825+/-229.133 χ^2/NDF: 29.7/25

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 977.170+/-0.281 χ^2/NDF:201422.0/7

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

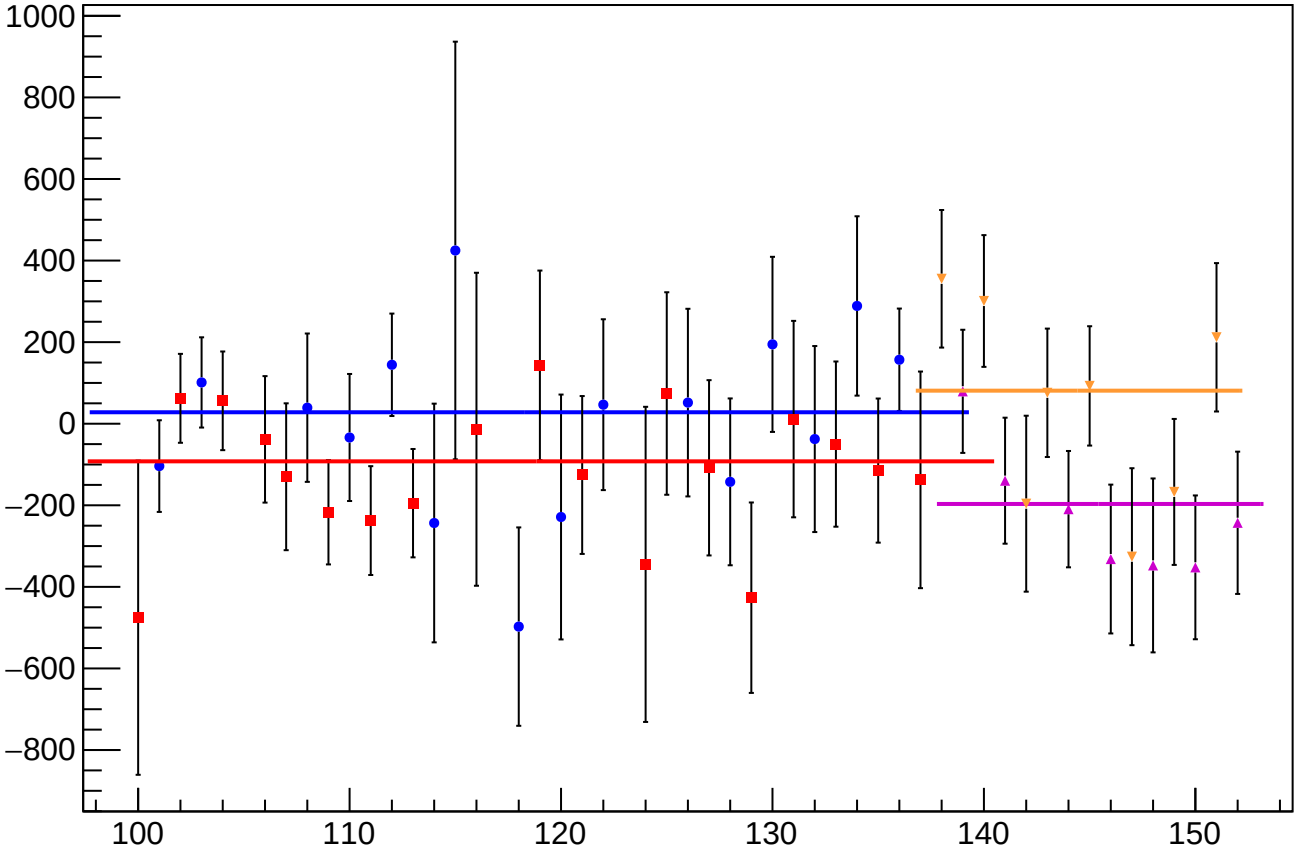
Left In: 977.823+/-0.284 χ^2/NDF:210522.8/6

+ sign 846.464+/-0.171 χ^2/NDF: 2283900.5/23

All: 821.535+/-0.118 χ^2/NDF: 4890963.4/49

- sign 799.235+/-0.162 χ^2/NDF: 2566943.6/25

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 81.038+/-61.457 χ^2/NDF:12.1/7

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

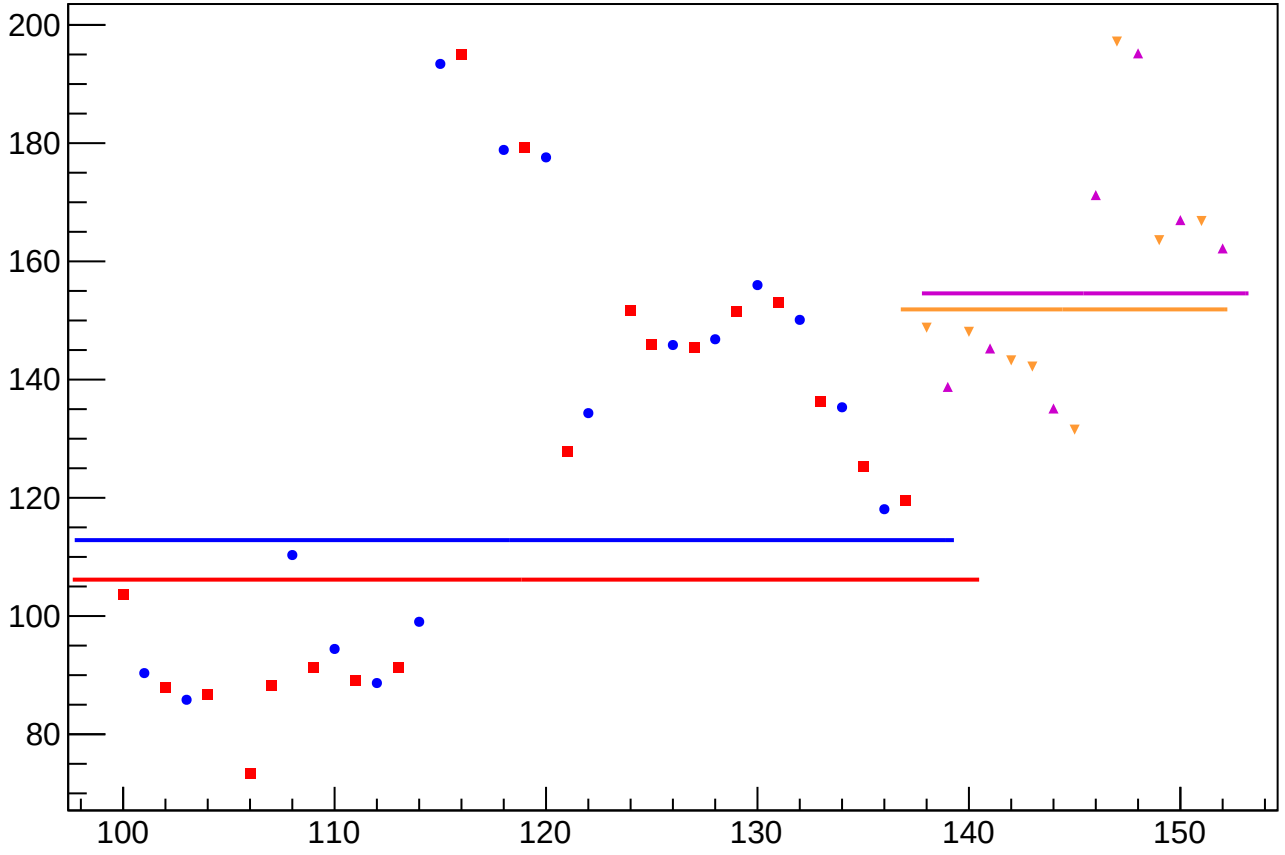
Left In: -196.753+/-62.989 χ^2/NDF:5.4/6

+ sign 45.731+/-35.472 χ^2/NDF: 26.2/23

All: -41.913+/-24.579 χ^2/NDF: 56.9/49

- sign -122.855+/-34.089 χ^2/NDF: 19.0/25

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 151.875+/-0.043 χ^2/NDF:160524.1/7

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

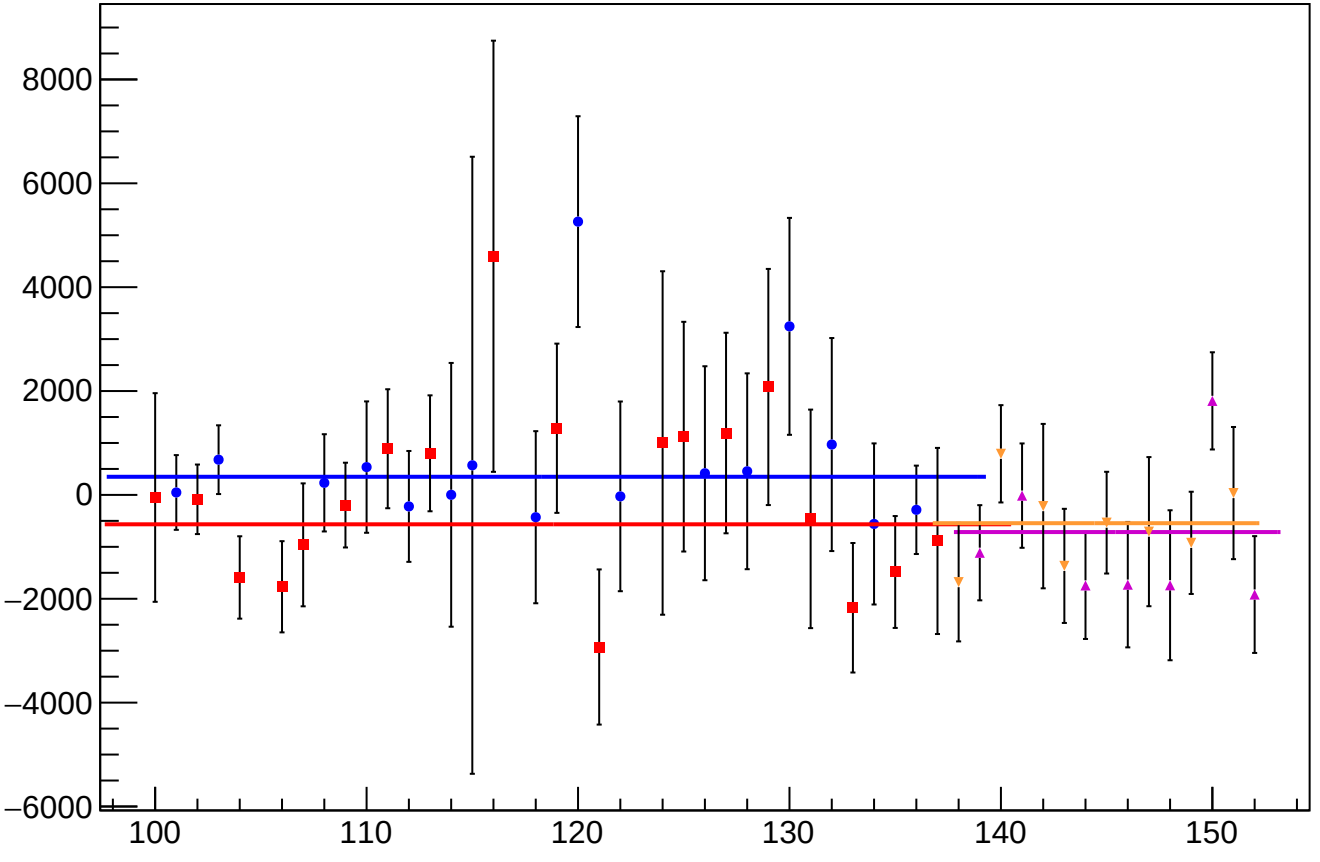
Left In: 154.586+/-0.045 χ^2/NDF:169394.1/6

+ sign 125.846+/-0.025 χ^2/NDF: 1570719.7/23

All: 122.985+/-0.017 χ^2/NDF: 3603225.8/49

- sign 120.342+/-0.024 χ^2/NDF: 2007476.5/25

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -544.653+/-398.048 χ^2/NDF:4.0/7

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

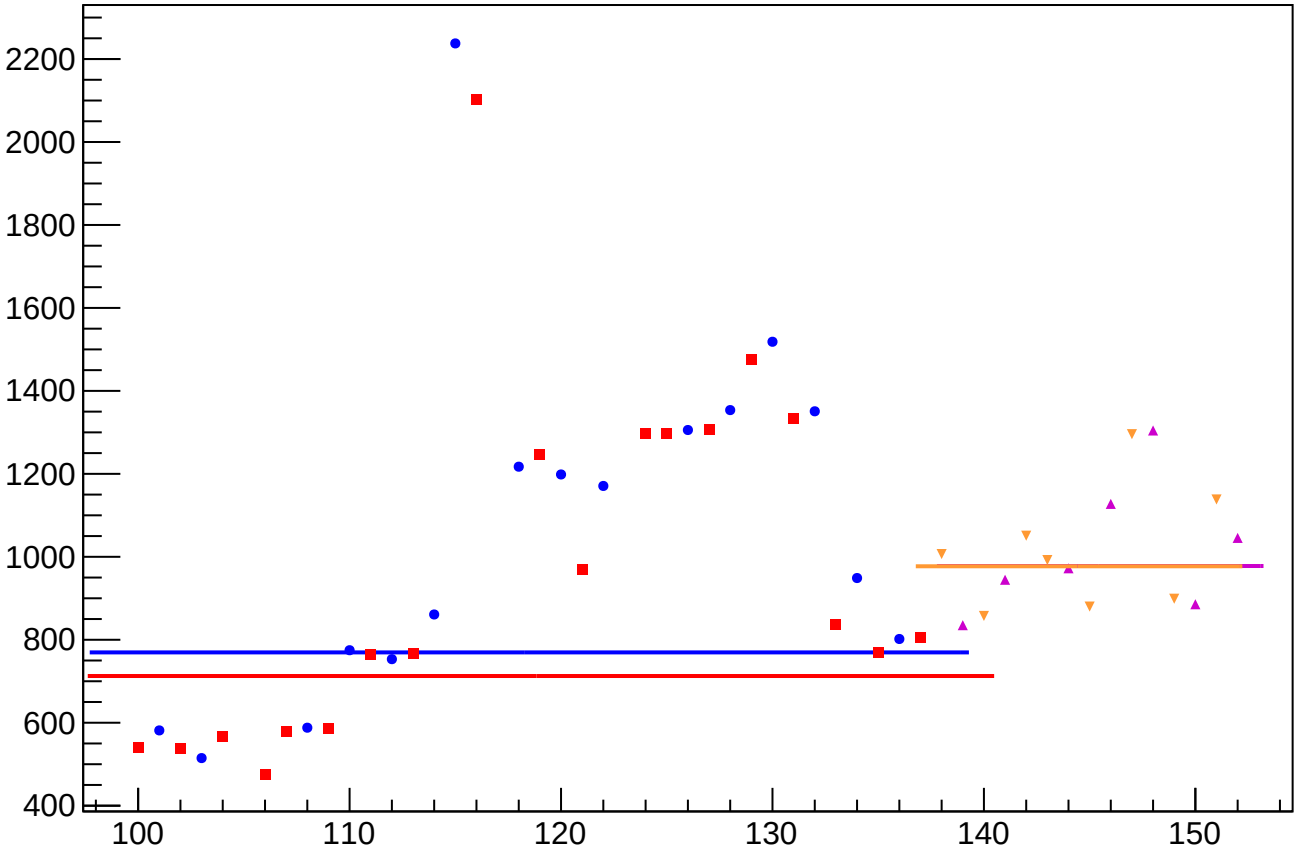
Left In: -715.453+/-400.954 χ^2/NDF:11.3/6

+ sign 18.035+/-242.264 χ^2/NDF: 17.0/23

All: -316.010+/-166.470 χ^2/NDF: 50.3/49

- sign -614.826+/-229.133 χ^2/NDF: 29.7/25

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 977.172+/-0.281 χ^2/NDF:201421.7/7

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

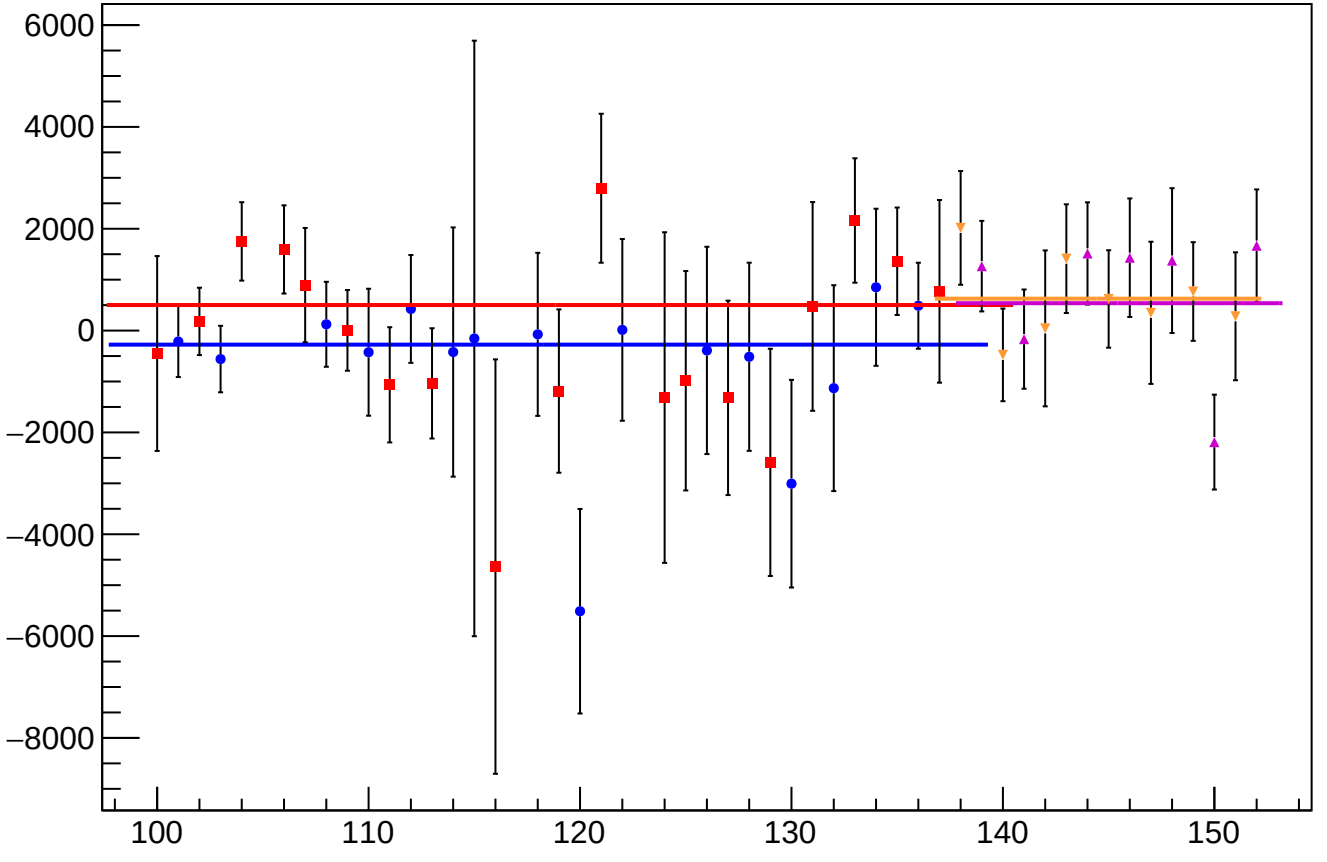
Left In: 977.825+/-0.284 χ^2/NDF:210522.5/6

\+ sign 846.463+/-0.171 χ^2/NDF: 2283906.5/23

All: 821.535+/-0.118 χ^2/NDF: 4890975.3/49

\- sign 799.235+/-0.162 χ^2/NDF: 2566949.5/25

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 627.405+/-388.731 χ^2/NDF:3.8/7

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

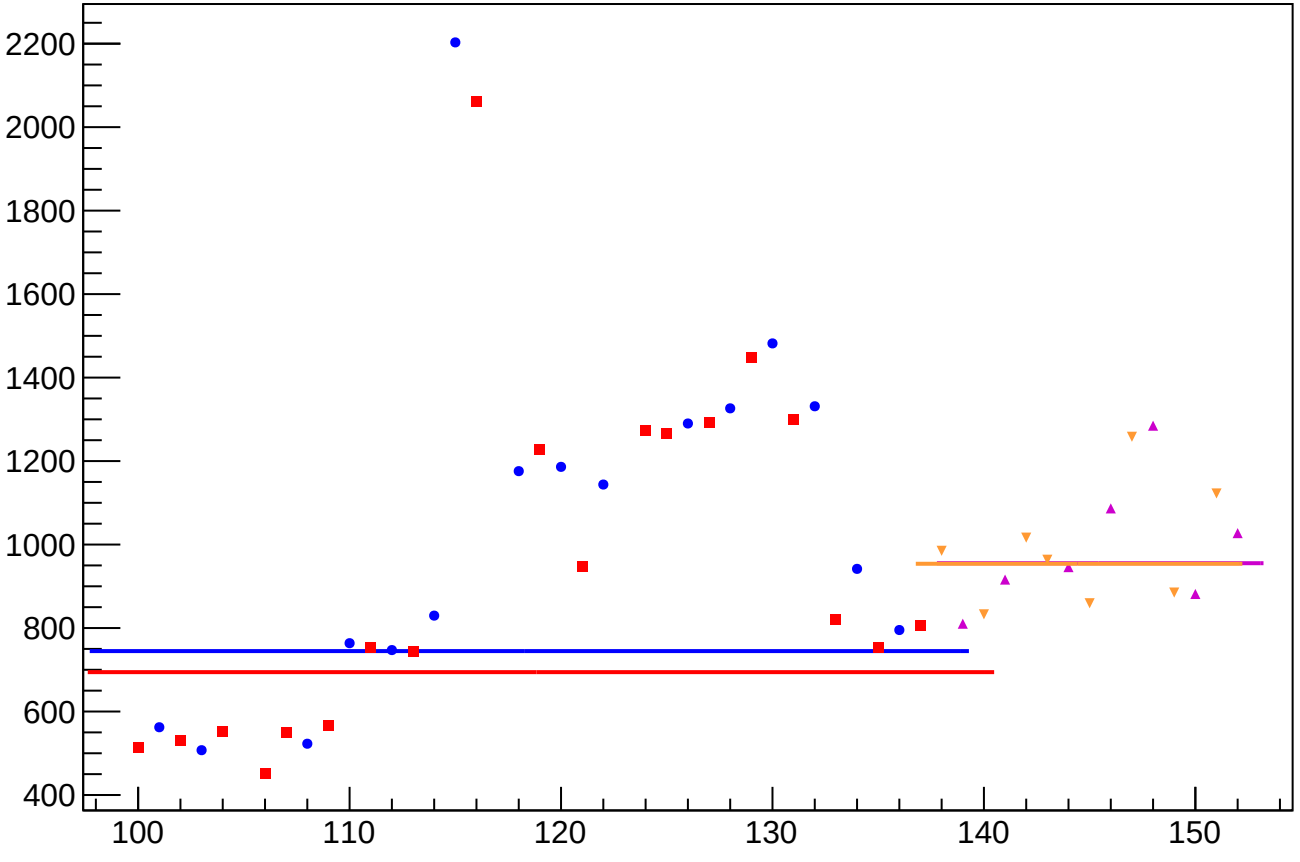
Left In: 538.090+/-391.836 χ^2/NDF:12.7/6

+ sign 56.439+/-235.855 χ^2/NDF: 18.3/23

All: 296.904+/-162.417 χ^2/NDF: 53.5/49

- sign 513.783+/-223.990 χ^2/NDF: 33.2/25

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 953.985+/-0.275 χ^2/NDF:201181.3/7

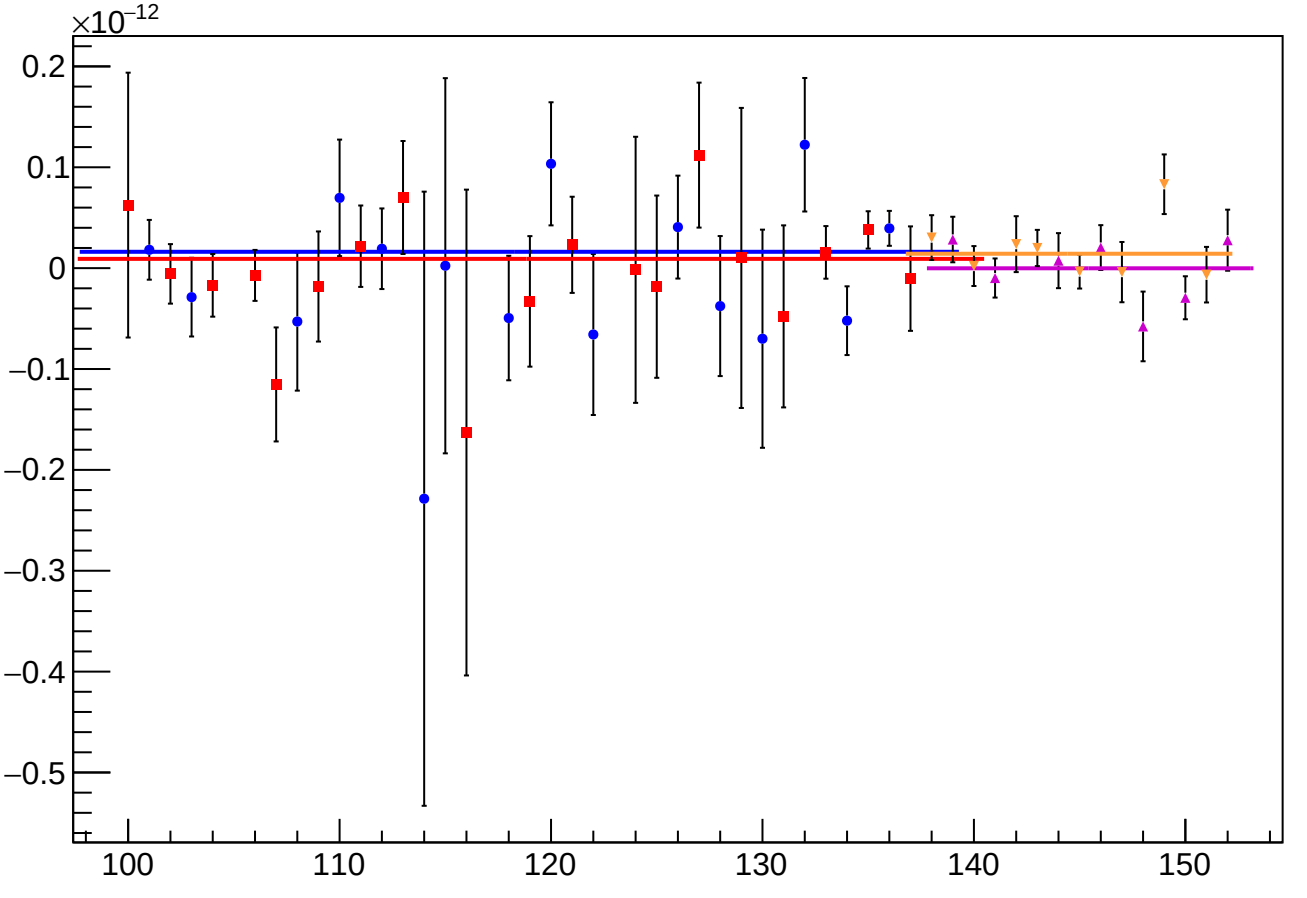
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 955.327+/-0.277 χ^2/NDF:210336.2/6

+ sign 821.795+/-0.167 χ^2/NDF: 2389749.8/23

All: 799.625+/-0.115 χ^2/NDF: 5034738.7/49

- sign 779.629+/-0.158 χ^2/NDF: 2611378.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/7

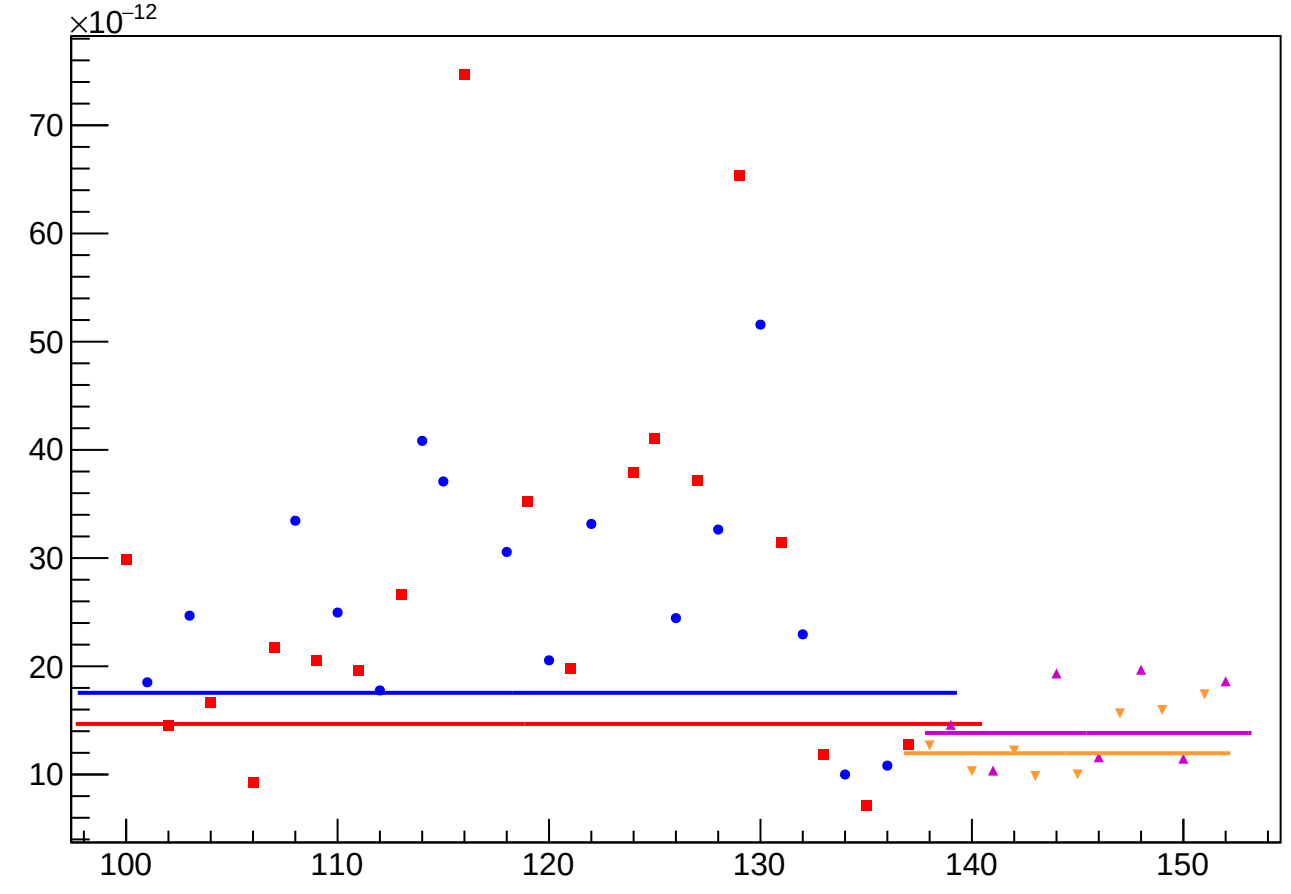
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 26.6/23

All: 0.000+/-0.000 χ^2/NDF: 50.8/49

- sign 0.000+/-0.000 χ^2/NDF: 22.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:215921.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

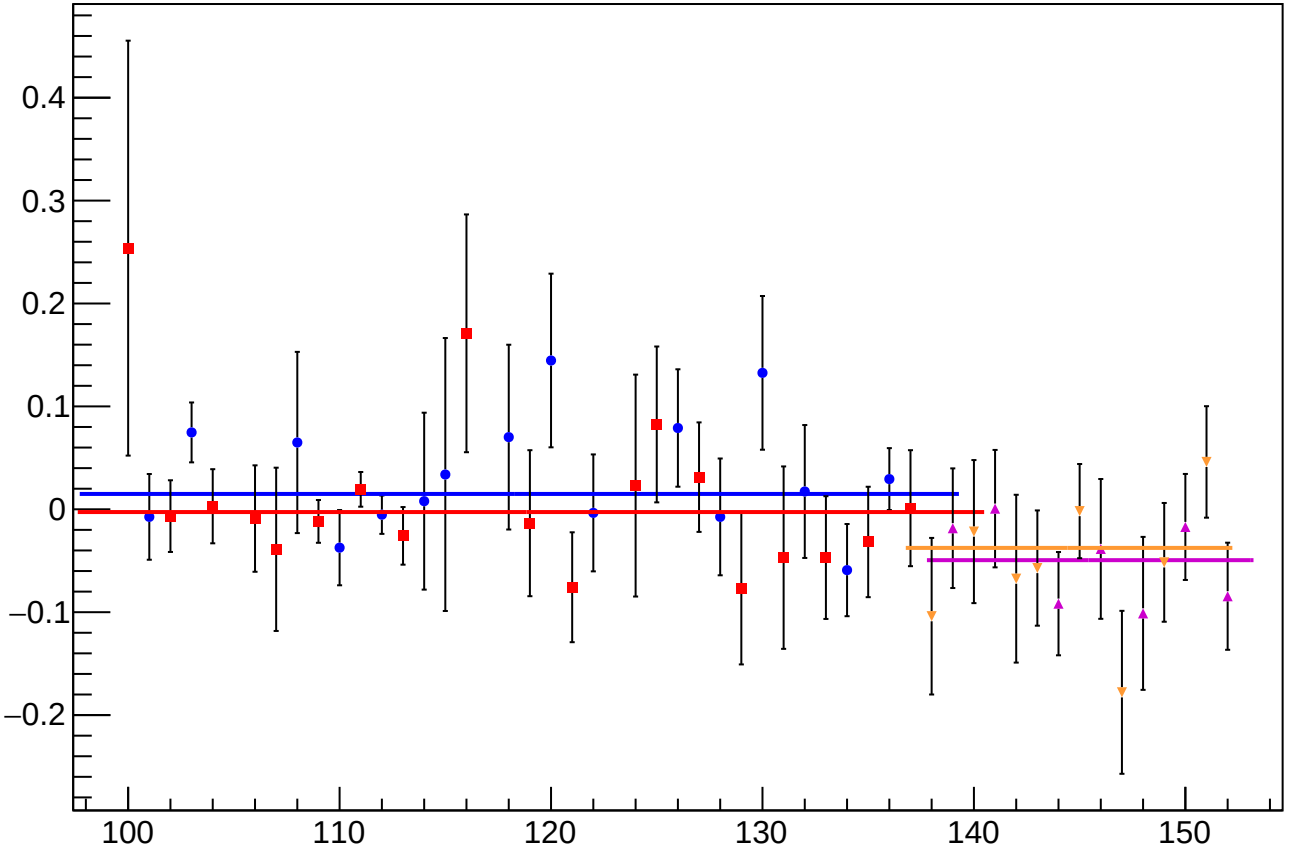
Left In: 0.000+/-0.000 χ^2/NDF:300030.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 1726789.9/23

All: 0.000+/-0.000 χ^2/NDF: 3778917.2/49

- sign 0.000+/-0.000 χ^2/NDF: 2049785.7/25

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.022 χ^2/NDF:7.3/7

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

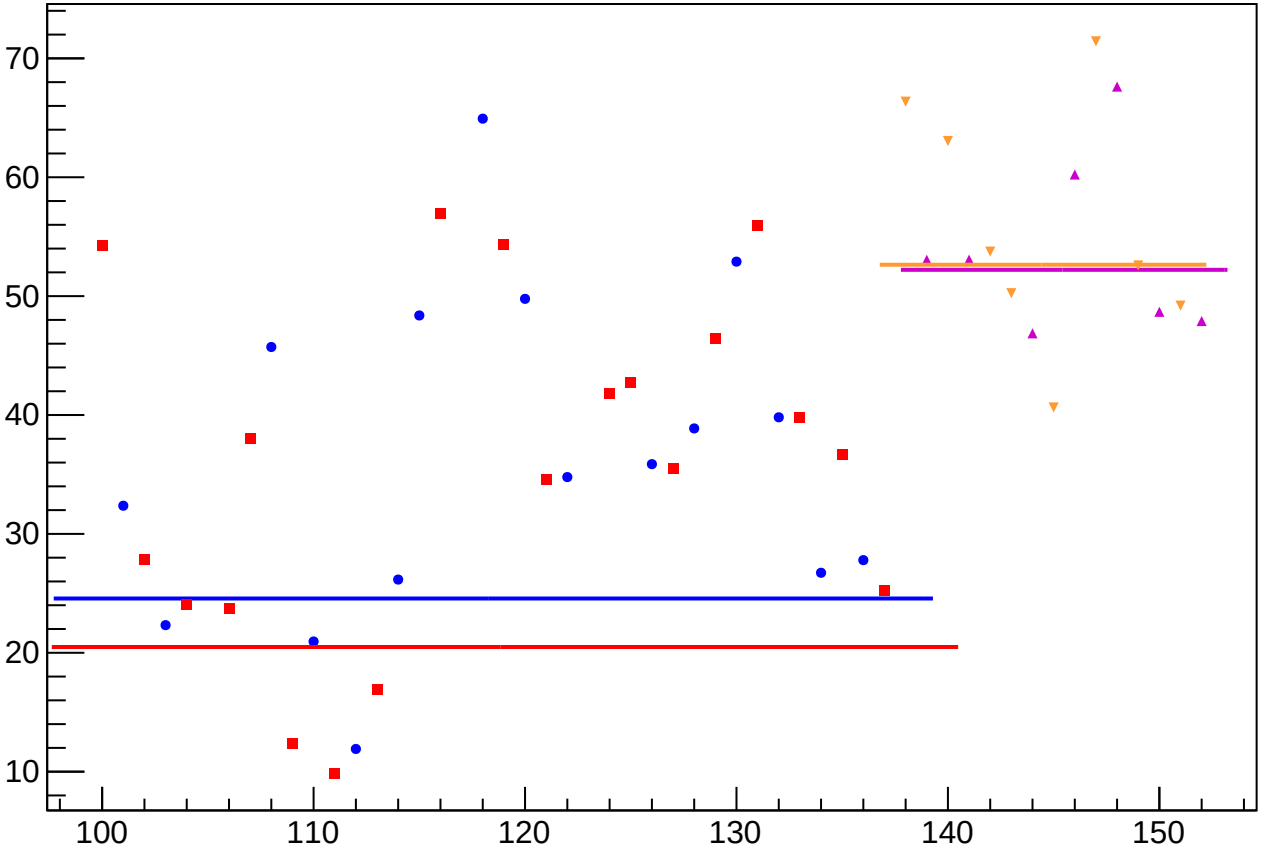
Left In: -0.049+/-0.022 χ^2/NDF:3.1/6

+ sign 0.005+/-0.010 χ^2/NDF: 29.8/23

All: -0.003+/-0.006 χ^2/NDF: 50.6/49

- sign -0.010+/-0.008 χ^2/NDF: 19.5/25

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.643+/-0.015 χ^2/NDF:372106.9/7

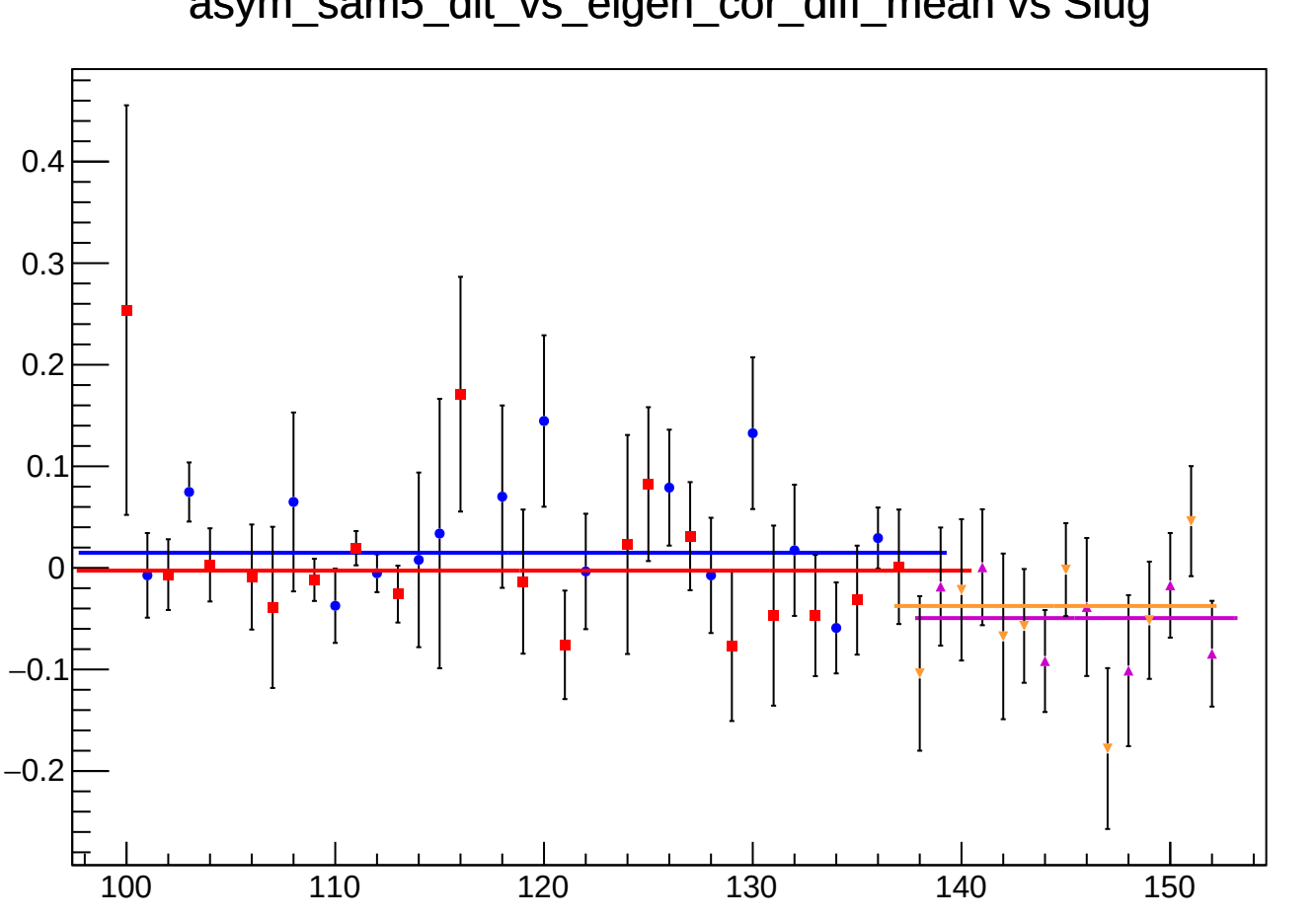
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.214+/-0.015 χ^2/NDF:160489.4/6

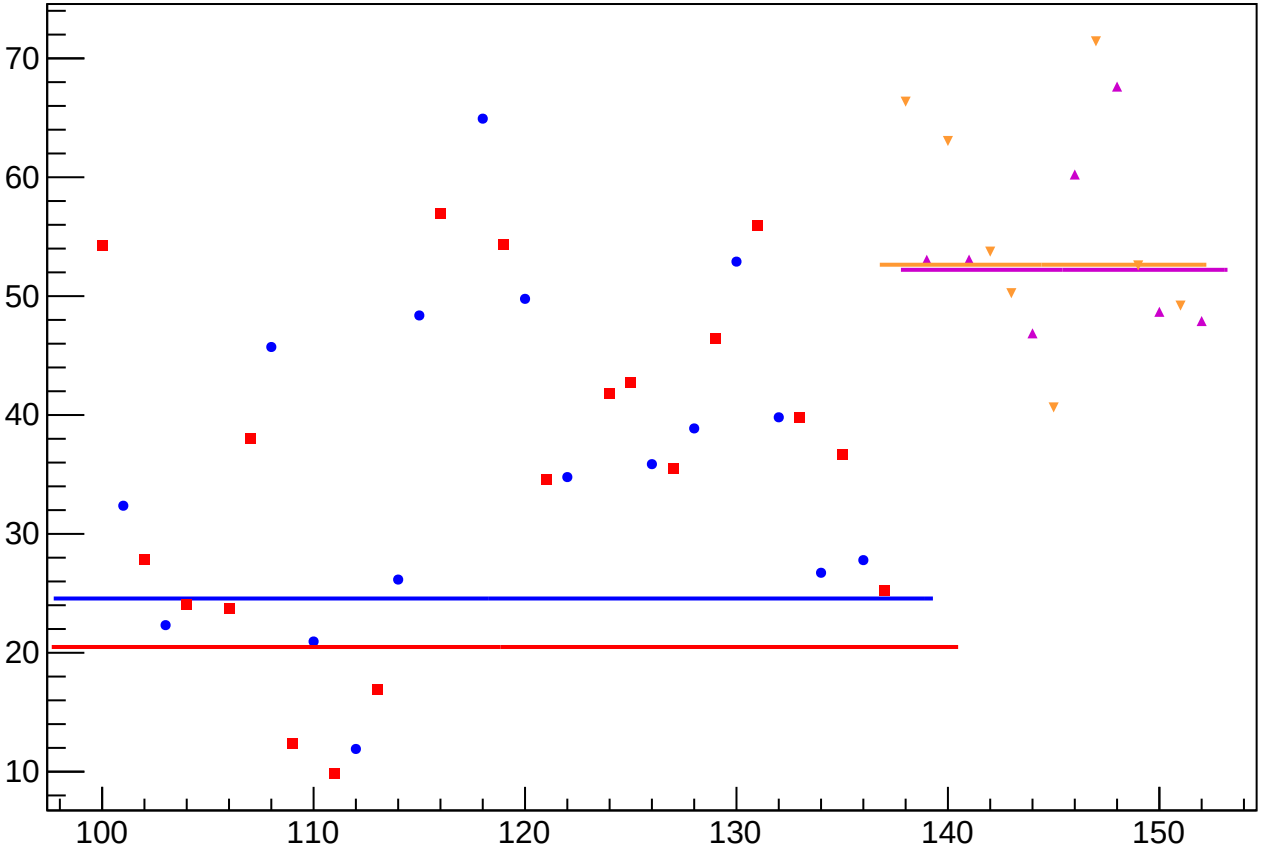
+ sign 29.970+/-0.007 χ^2/NDF: 5564081.0/23

All: 27.416+/-0.004 χ^2/NDF: 13216962.9/49

- sign 25.384+/-0.006 χ^2/NDF: 7393927.9/25


asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.038+/-0.022 χ²/NDF:7.3/7
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.049+/-0.022 χ²/NDF:3.1/6
+ sign 0.005+/-0.010 χ²/NDF: 29.8/23
All: -0.003+/-0.006 χ²/NDF: 50.6/49
- sign -0.010+/-0.008 χ²/NDF: 19.5/25

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.643+/-0.015 χ^2/NDF:372106.9/7

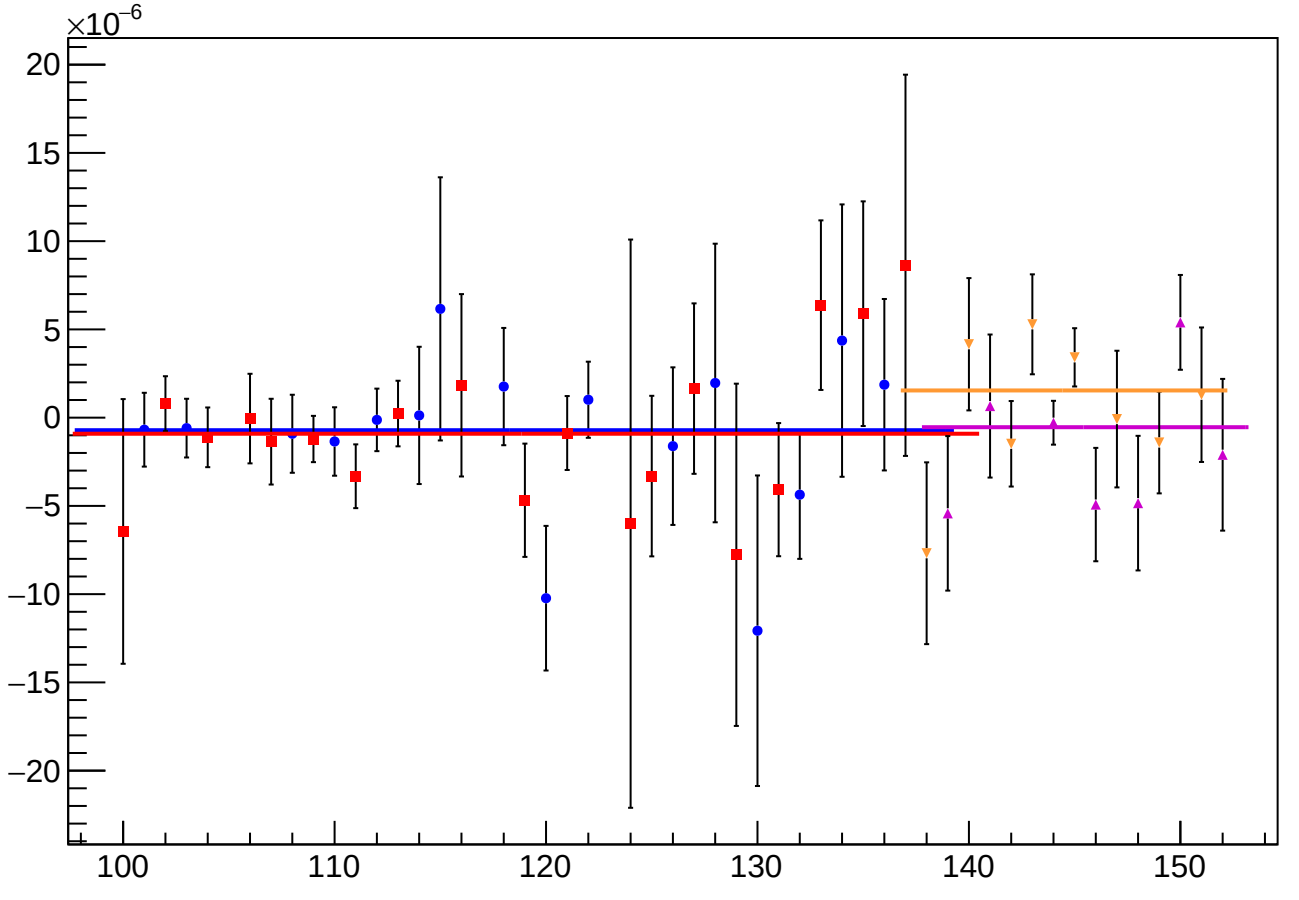
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.214+/-0.015 χ^2/NDF:160489.4/6

+ sign 29.970+/-0.007 χ^2/NDF: 5564081.0/23

All: 27.416+/-0.004 χ^2/NDF: 13216962.9/49

- sign 25.384+/-0.006 χ^2/NDF: 7393927.9/25



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/7

Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

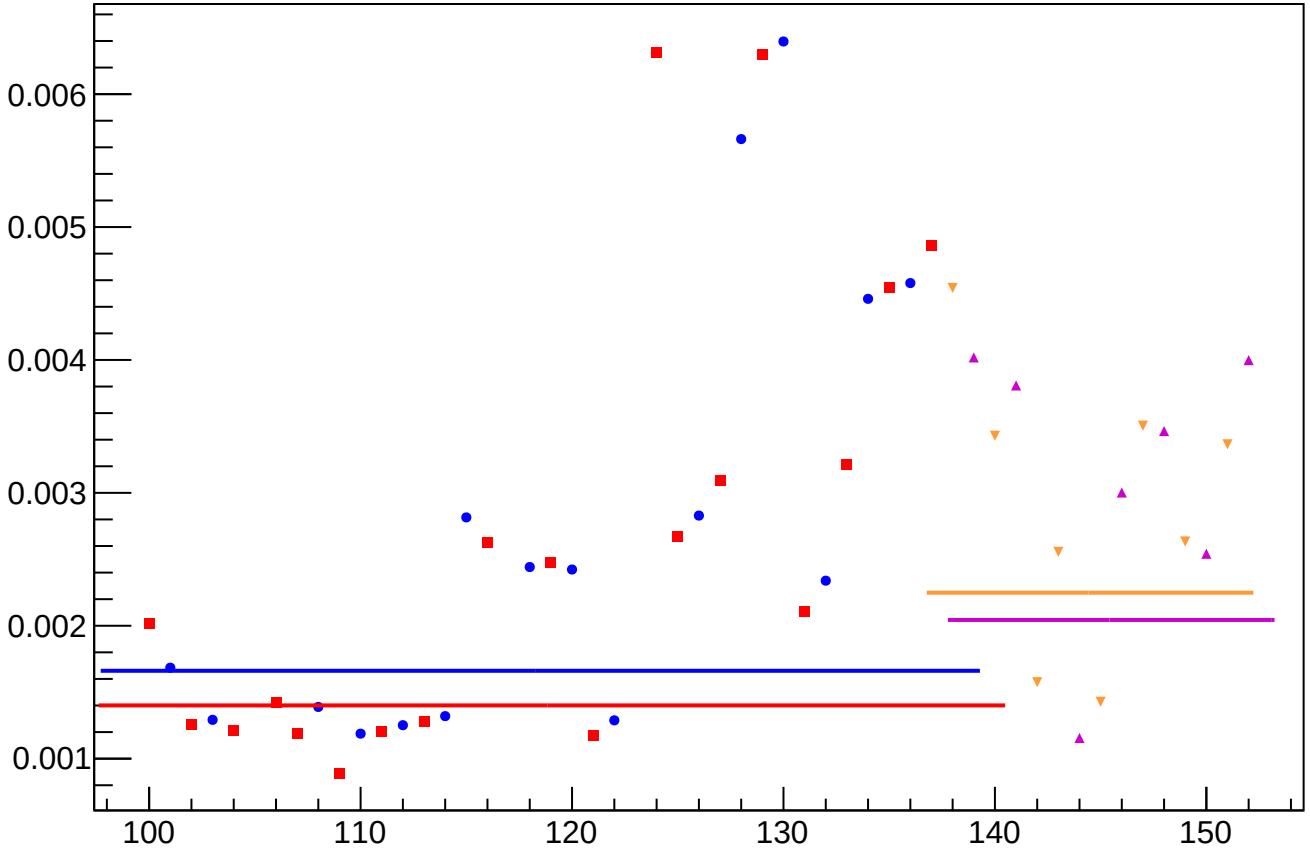
Left In: -0.000+/-0.000 χ^2/NDF:9.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 24.3/23

All: -0.000+/-0.000 χ^2/NDF: 47.0/49

- sign -0.000+/-0.000 χ^2/NDF: 21.5/25

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:1685727.6/7

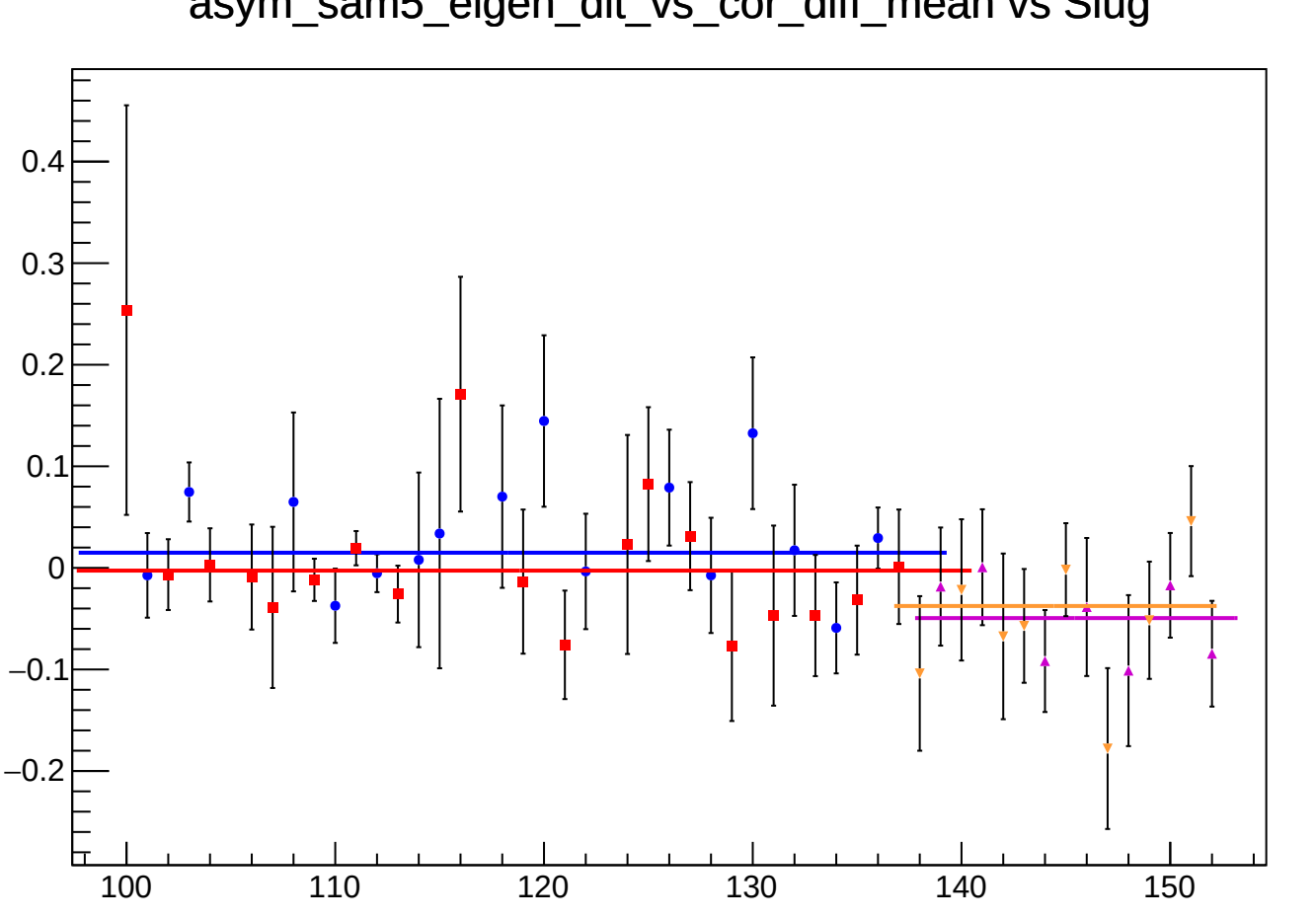
Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:2748269.3/6

+ sign 0.002+/-0.000 χ^2/NDF: 5099680.3/23

All: 0.002+/-0.000 χ^2/NDF: 11700335.0/49

- sign 0.002+/-0.000 χ^2/NDF: 6331976.1/25



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.022 χ^2/NDF:7.3/7

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

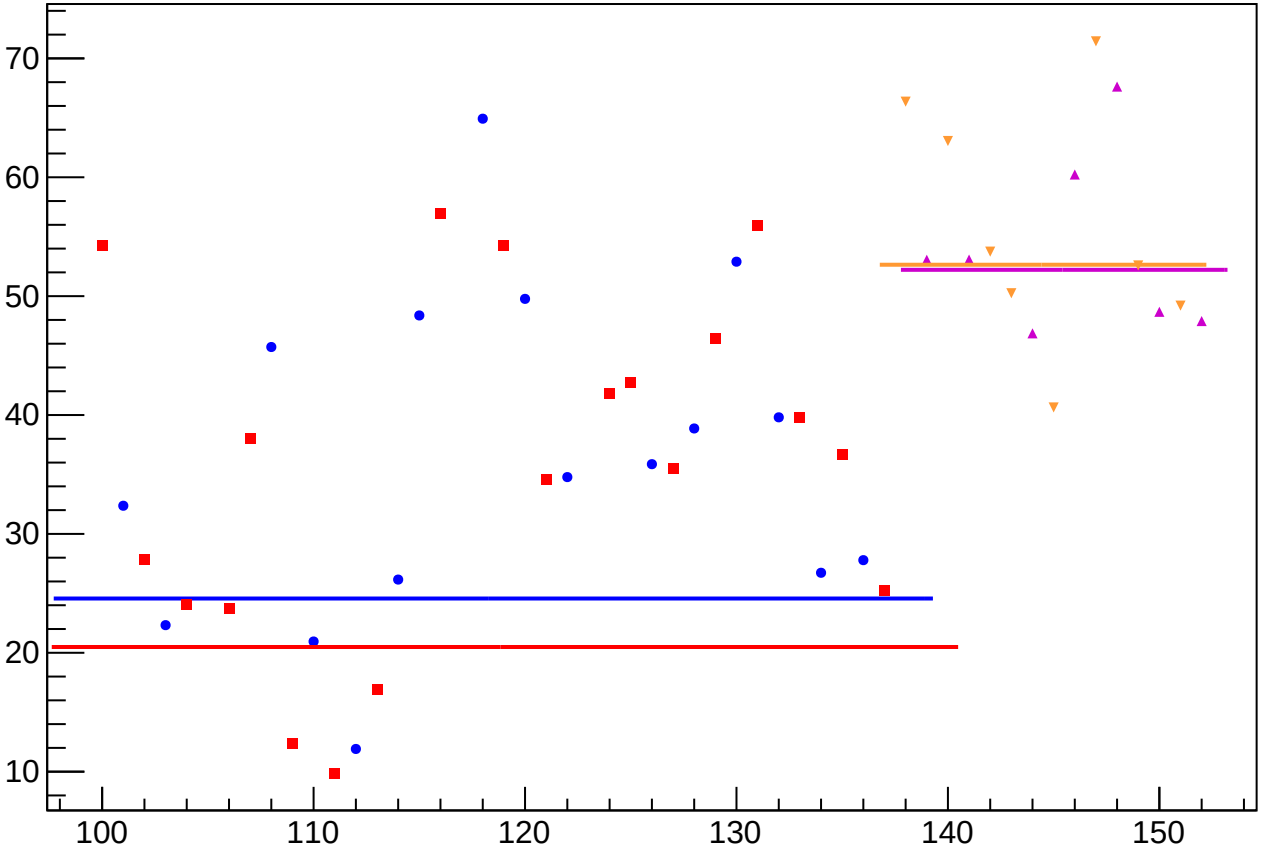
Left In: -0.049+/-0.022 χ^2/NDF:3.1/6

+ sign 0.005+/-0.010 χ^2/NDF: 29.8/23

All: -0.003+/-0.006 χ^2/NDF: 50.6/49

- sign -0.010+/-0.008 χ^2/NDF: 19.5/25

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.643+/-0.015 χ^2/NDF:372164.4/7

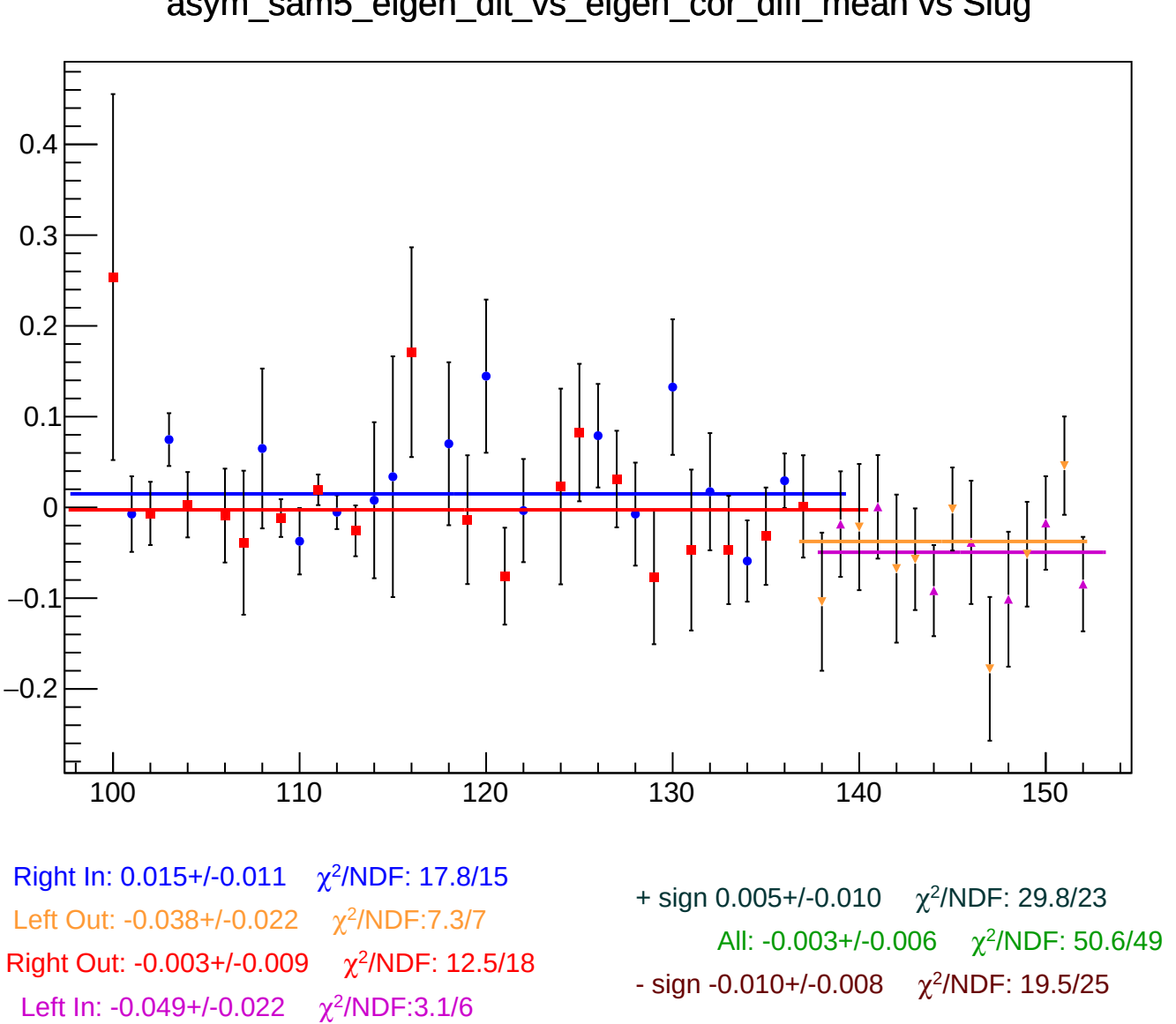
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

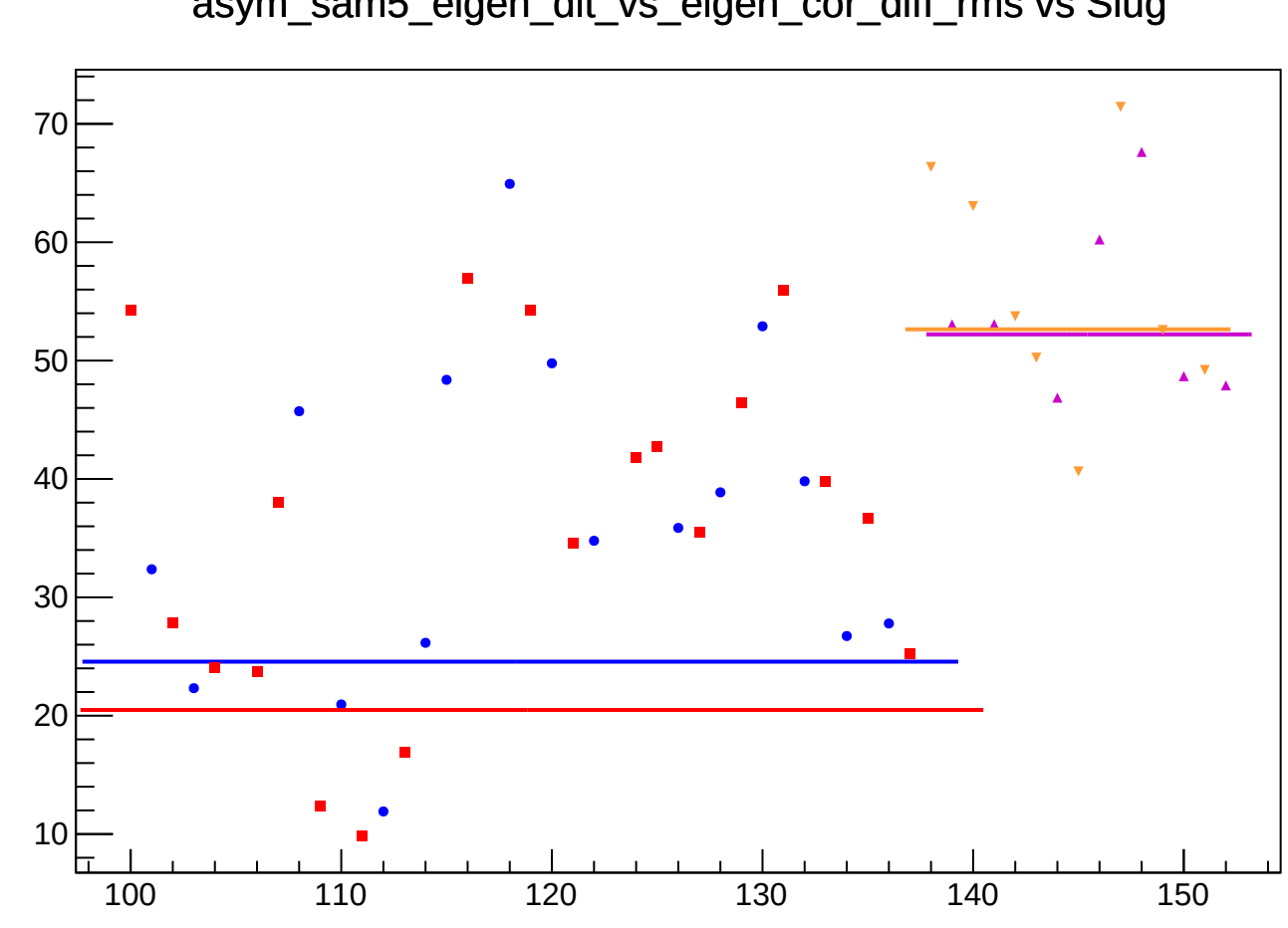
Left In: 52.215+/-0.015 χ^2/NDF:160520.5/6

+ sign 29.970+/-0.007 χ^2/NDF: 5564195.6/23

All: 27.415+/-0.004 χ^2/NDF: 13217310.3/49

- sign 25.383+/-0.006 χ^2/NDF: 7394146.9/25


asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.038+/-0.022 χ²/NDF:7.3/7
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.049+/-0.022 χ²/NDF:3.1/6
+ sign 0.005+/-0.010 χ²/NDF: 29.8/23
All: -0.003+/-0.006 χ²/NDF: 50.6/49
- sign -0.010+/-0.008 χ²/NDF: 19.5/25



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.643+/-0.015 χ^2/NDF:372164.4/7

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

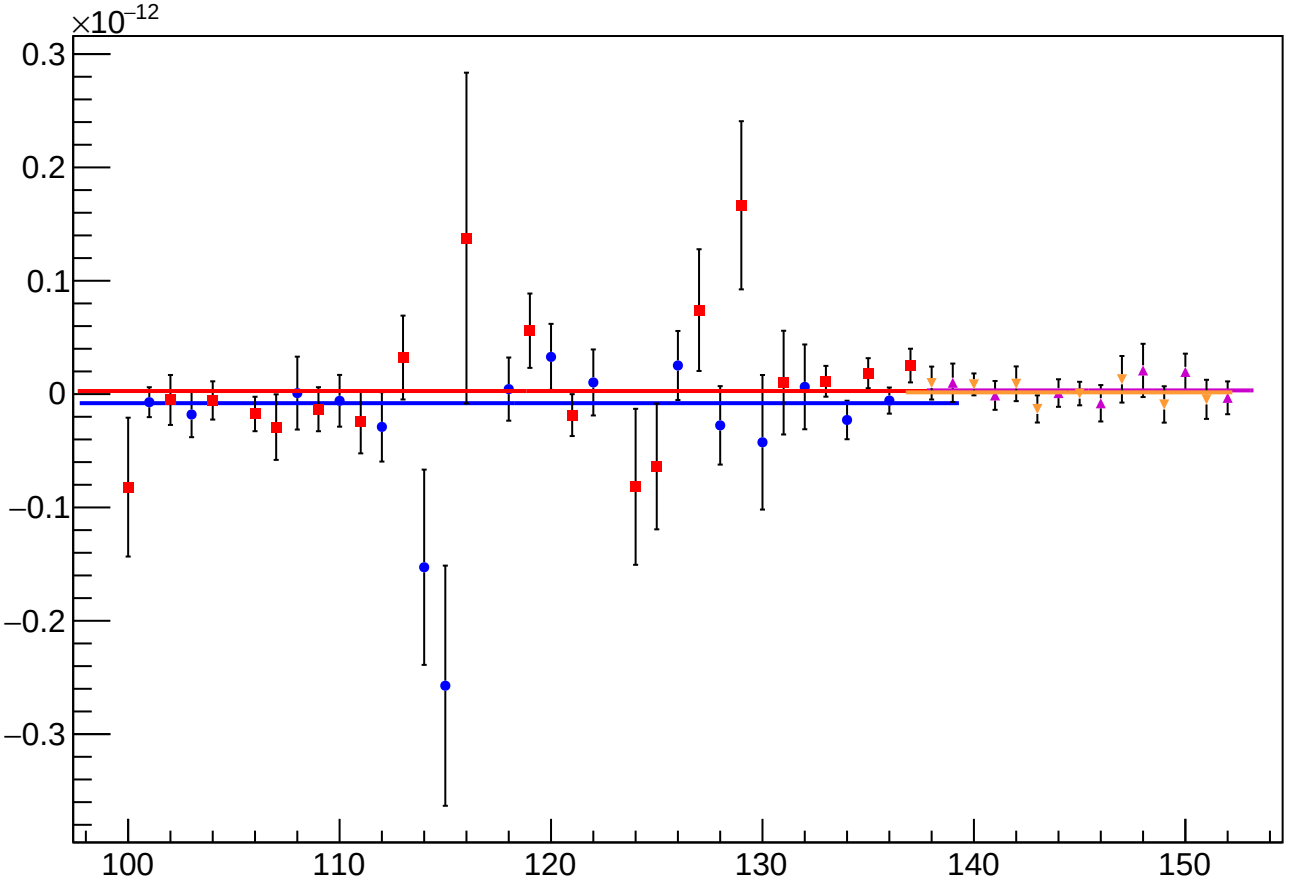
Left In: 52.215+/-0.015 χ^2/NDF:160520.5/6

+ sign 29.970+/-0.007 χ^2/NDF: 5564195.6/23

All: 27.415+/-0.004 χ^2/NDF: 13217310.3/49

- sign 25.383+/-0.006 χ^2/NDF: 7394146.9/25

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:3.5/7

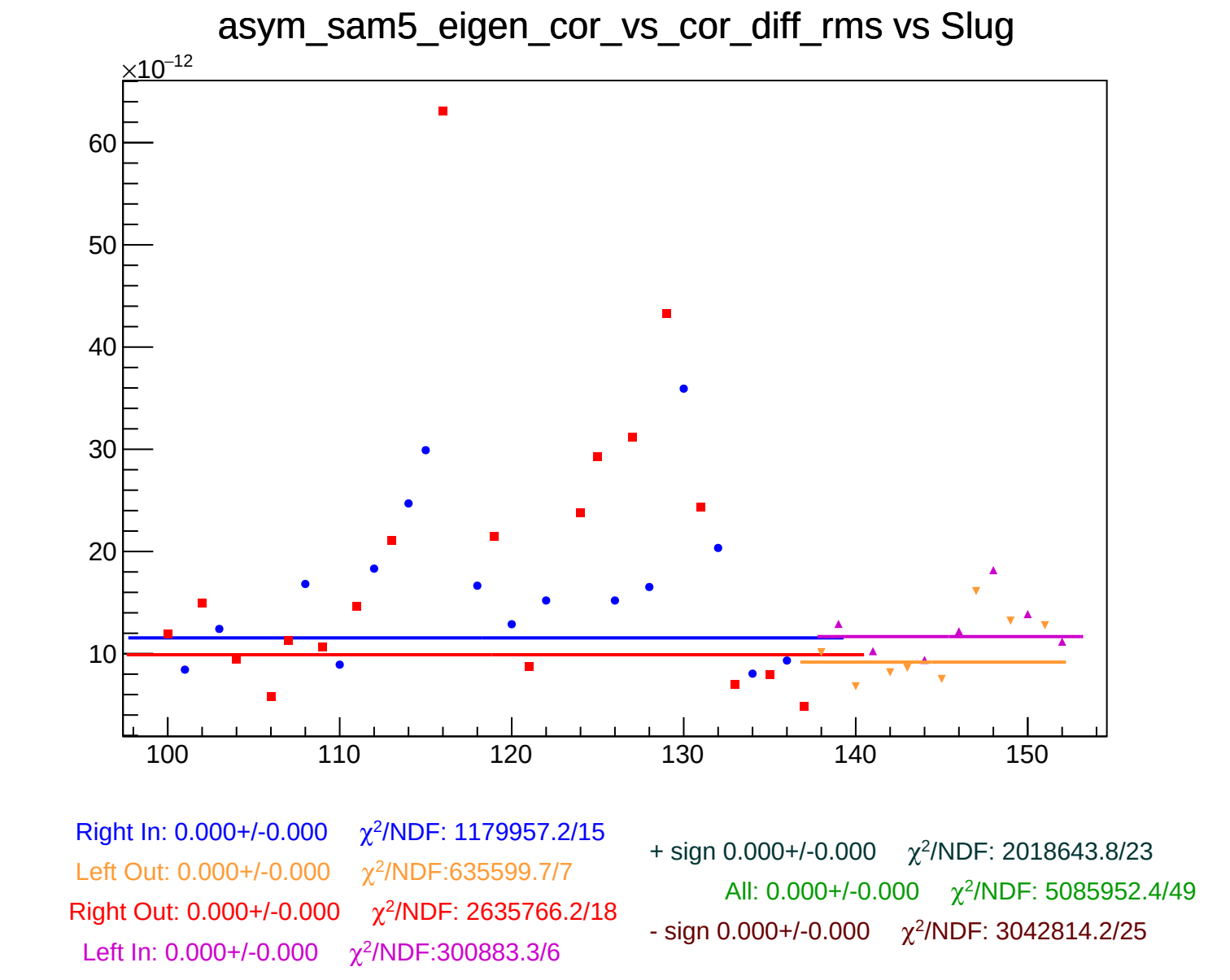
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/6

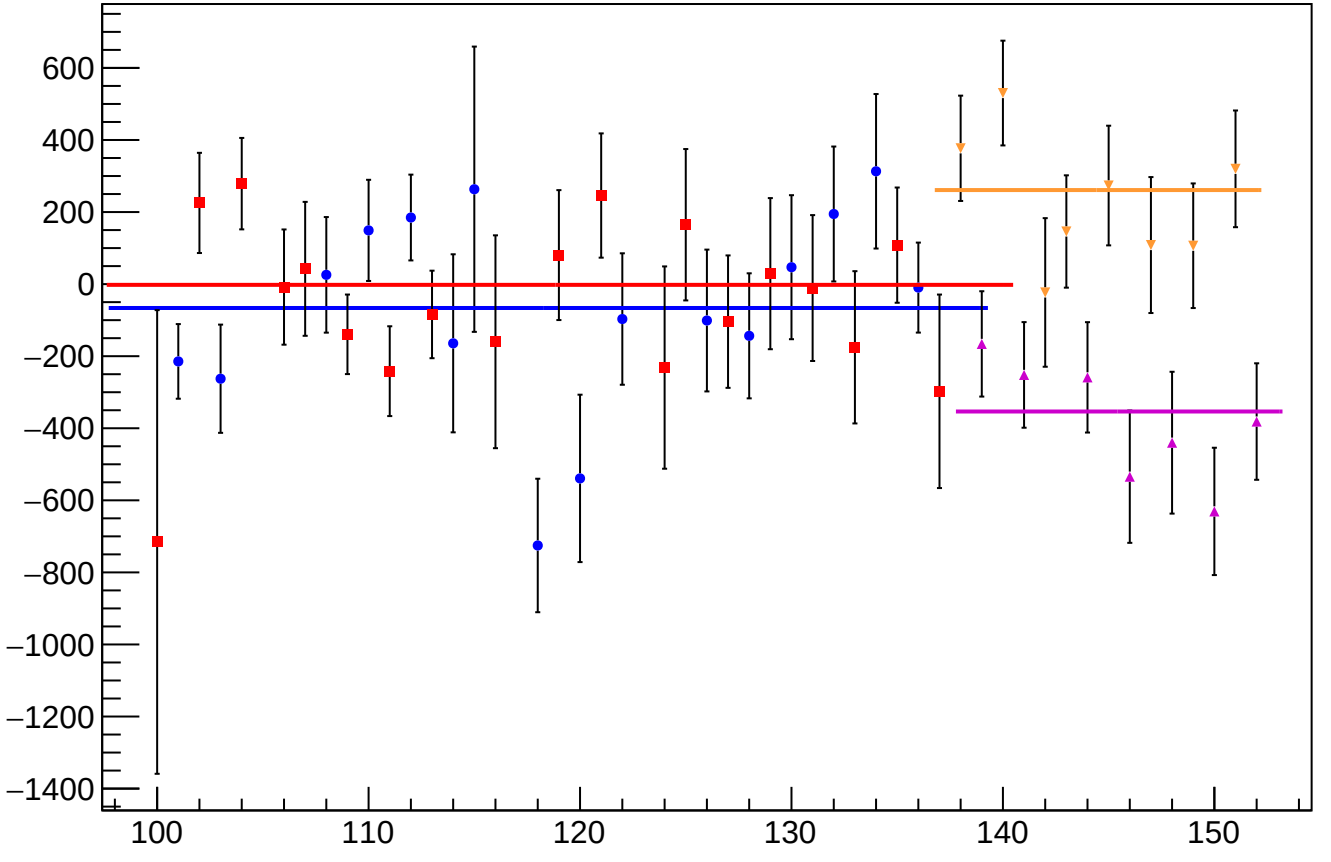
+ sign -0.000+/-0.000 χ^2/NDF: 19.6/23

All: 0.000+/-0.000 χ^2/NDF: 49.3/49

- sign 0.000+/-0.000 χ^2/NDF: 28.7/25


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:635599.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:300883.3/6
+ sign 0.000+/-0.000 χ²/NDF: 2018643.8/23
All: 0.000+/-0.000 χ²/NDF: 5085952.4/49
- sign 0.000+/-0.000 χ²/NDF: 3042814.2/25

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 261.041+/-58.245 χ^2/NDF:8.1/7

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

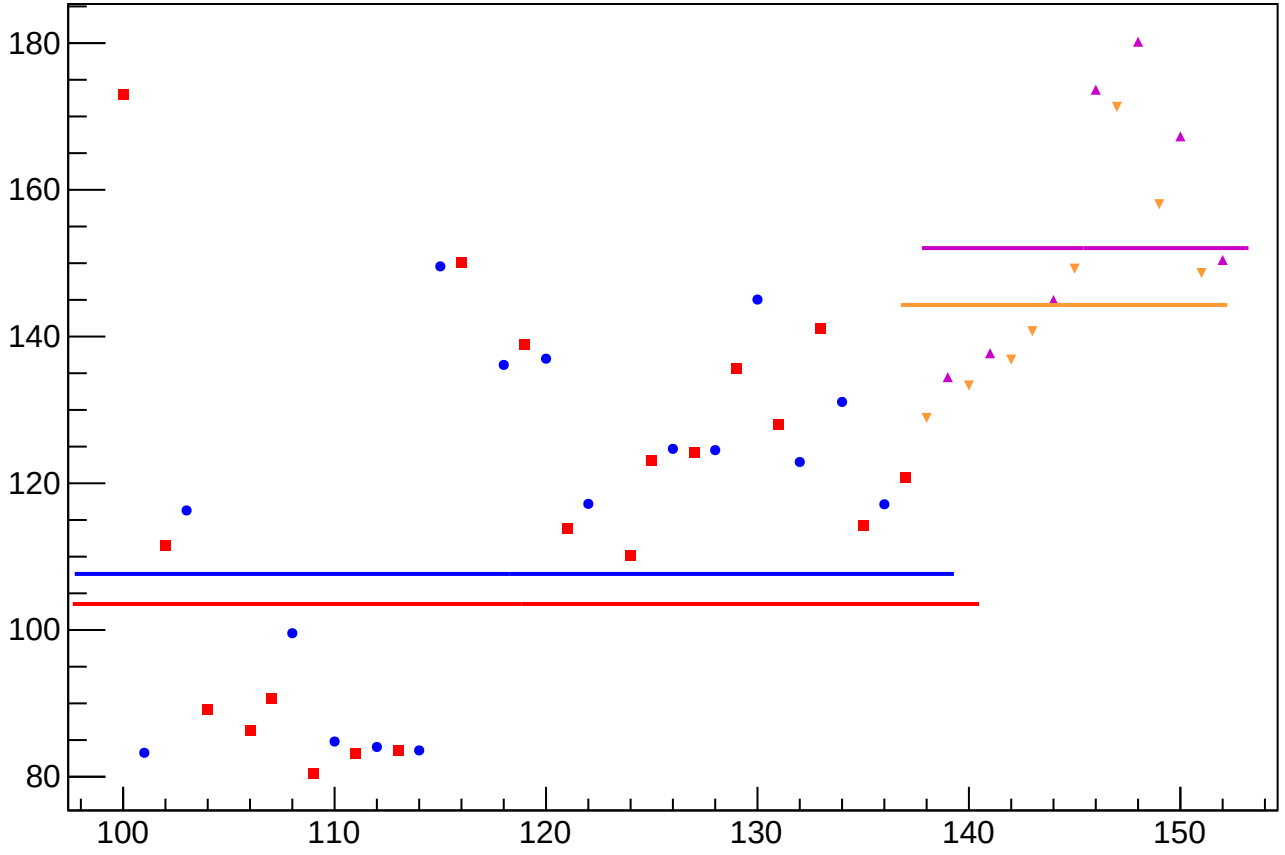
Left In: -353.489+/-61.806 χ^2/NDF:6.2/6

\+ sign 41.981+/-33.492 χ^2/NDF: 63.6/23

All: -31.095+/-23.471 χ^2/NDF: 123.4/49

\- sign -101.618+/-32.902 χ^2/NDF: 50.5/25

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 144.307+/-0.041 χ^2/NDF:94060.0/7

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

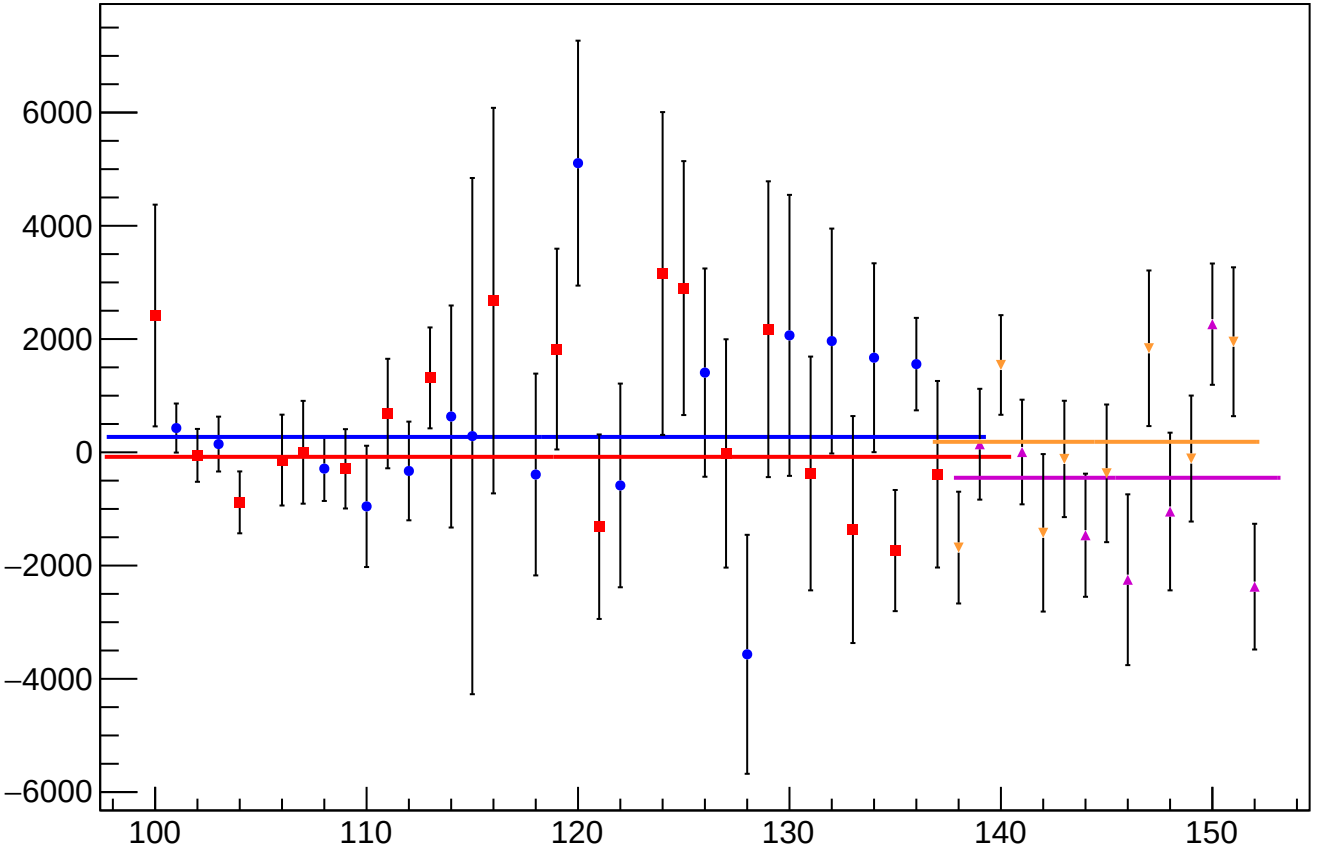
Left In: 152.060+/-0.044 χ^2/NDF:135931.6/6

+ sign 119.767+/-0.024 χ^2/NDF: 1157301.6/23

All: 118.510+/-0.017 χ^2/NDF: 2799034.2/49

- sign 117.297+/-0.023 χ^2/NDF: 1636197.0/25

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 185.367+/-396.002 χ^2/NDF:10.9/7

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

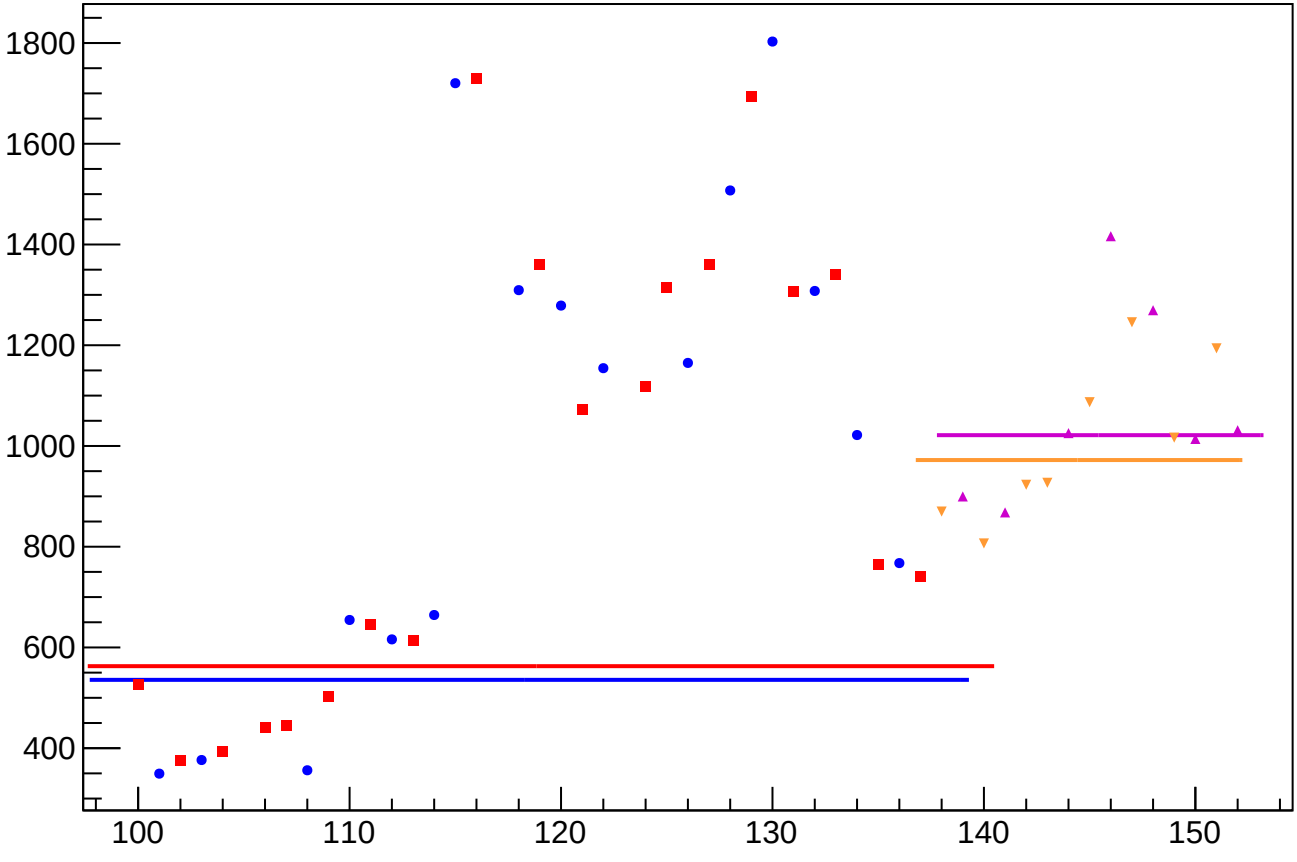
Left In: -449.753+/-418.832 χ^2/NDF:12.5/6

+ sign 249.683+/-199.316 χ^2/NDF: 27.4/23

All: 45.220+/-142.239 χ^2/NDF: 58.7/49

- sign -166.974+/-203.048 χ^2/NDF: 29.1/25

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 972.058+/-0.280 χ^2/NDF:255931.7/7

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

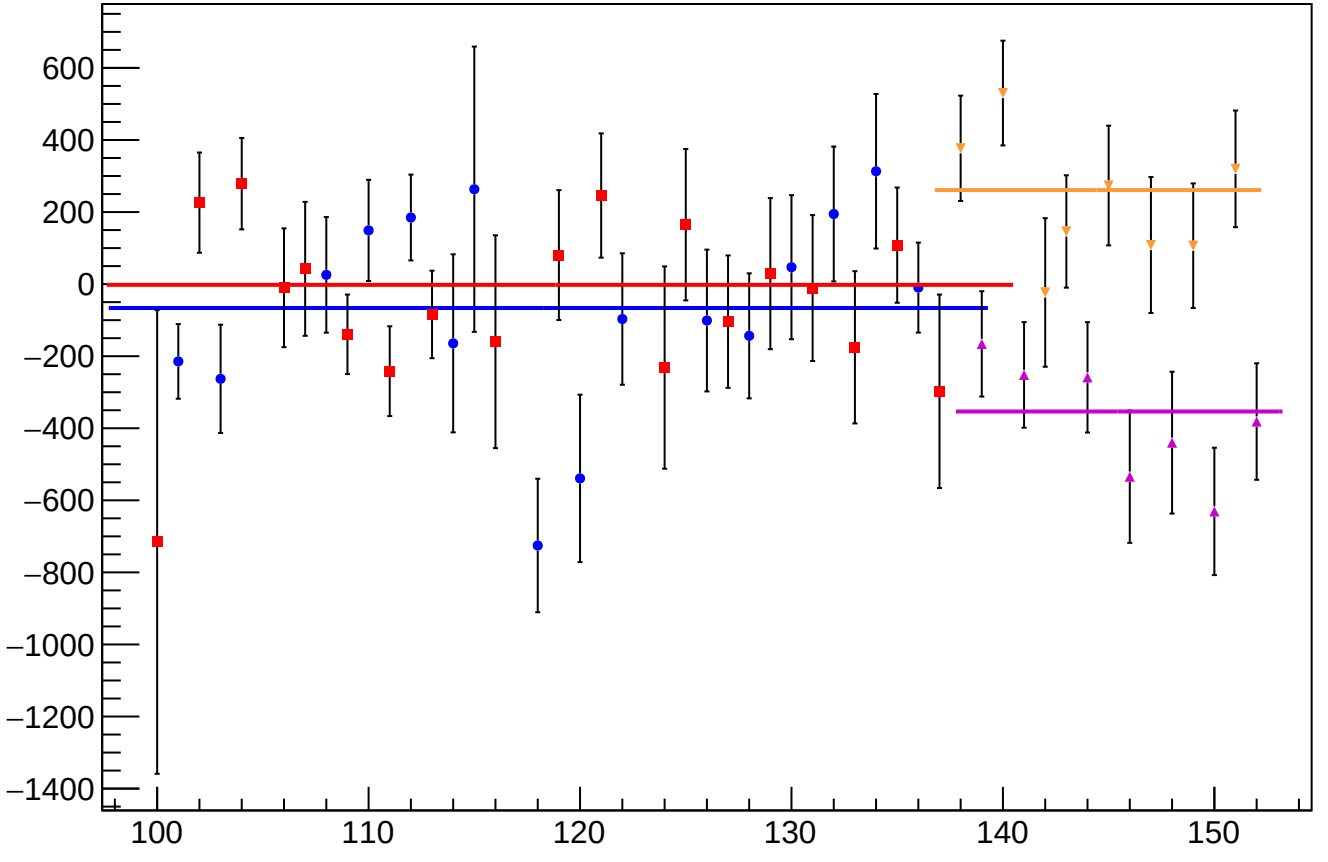
Left In: 1021.451+/-0.296 χ^2/NDF:286988.2/6

+ sign 646.230+/-0.141 χ^2/NDF: 5701678.7/23

All: 658.204+/-0.101 χ^2/NDF: 10948728.1/49

- sign 670.630+/-0.144 χ^2/NDF: 5232341.4/25

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 261.047+/-58.245 χ^2/NDF:8.1/7

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

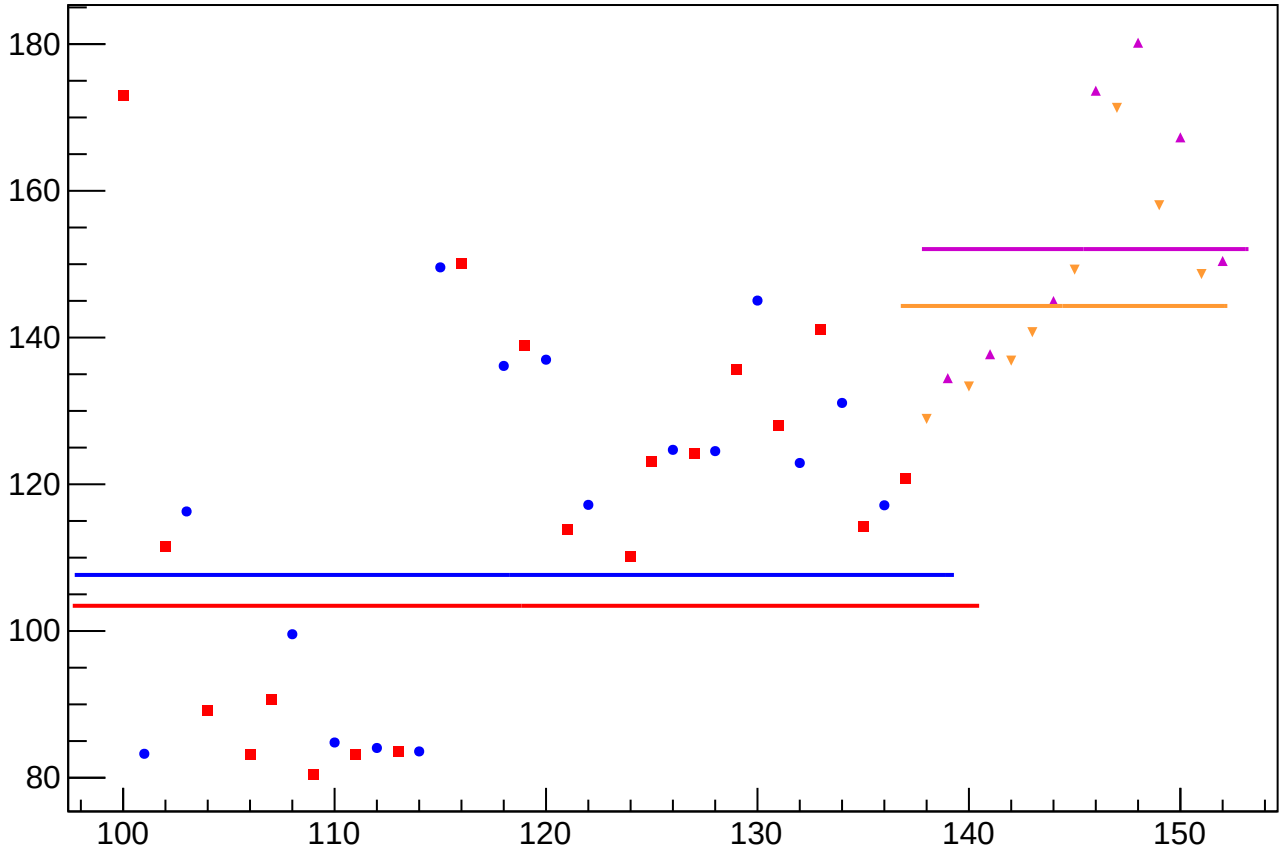
Left In: -353.487+/-61.806 χ^2/NDF:6.2/6

+ sign 41.966+/-33.492 χ^2/NDF: 63.6/23

All: -31.157+/-23.486 χ^2/NDF: 123.5/49

- sign -101.907+/-32.944 χ^2/NDF: 50.4/25

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 144.307+/-0.041 χ^2/NDF:94060.0/7

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

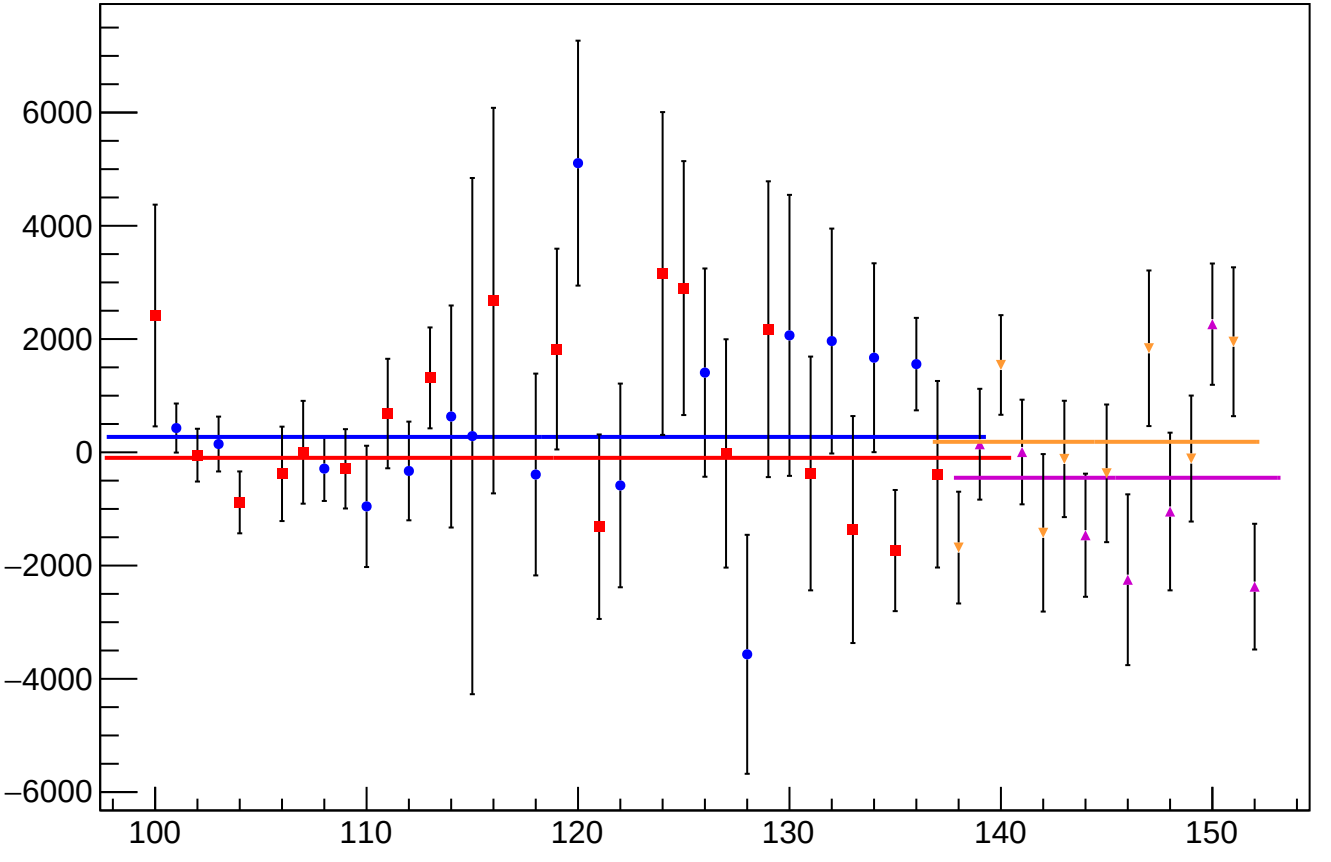
Left In: 152.060+/-0.044 χ^2/NDF:135931.6/6

+ sign 119.767+/-0.024 χ^2/NDF: 1157301.2/23

All: 118.489+/-0.017 χ^2/NDF: 2809810.1/49

- sign 117.252+/-0.023 χ^2/NDF: 1646778.5/25

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 185.377+/-396.002 χ^2/NDF:10.9/7

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

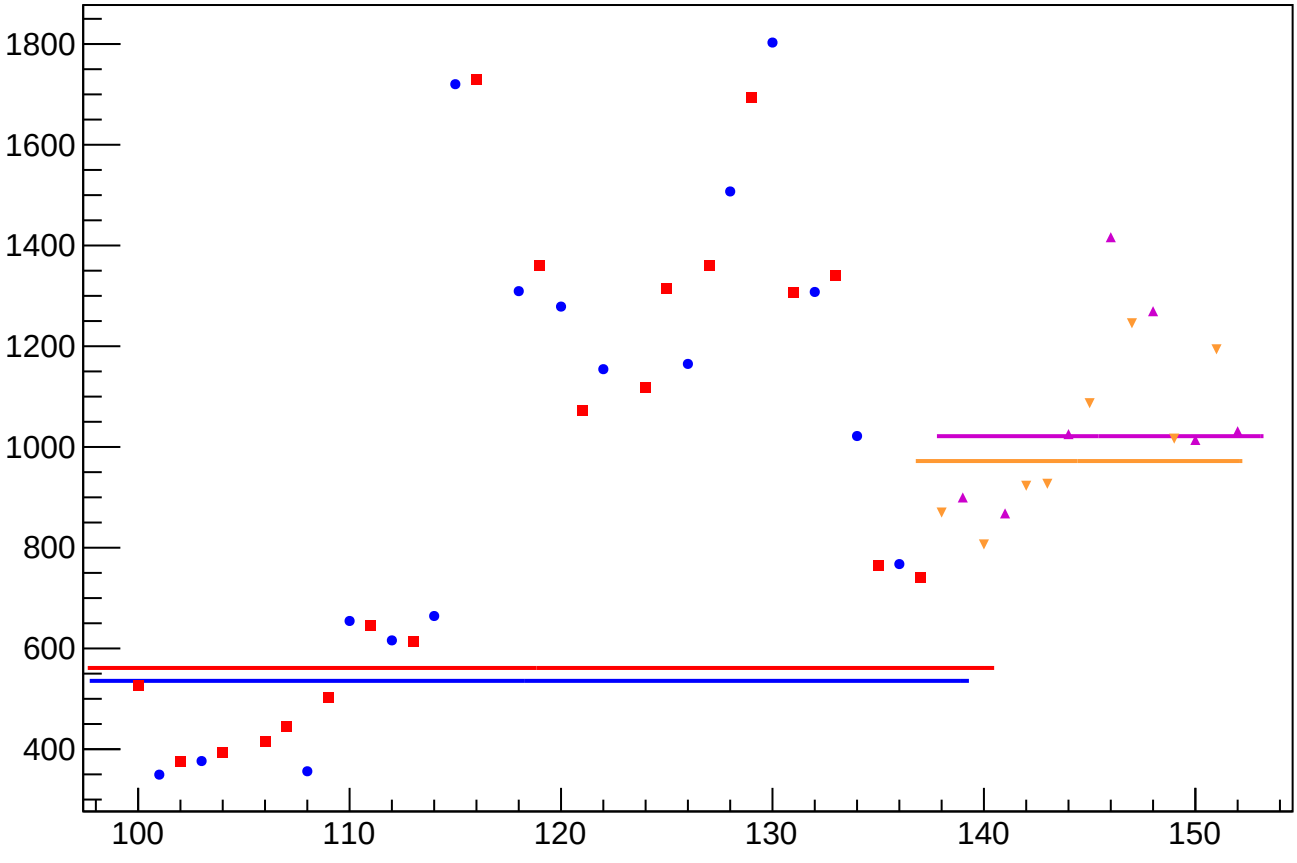
Left In: -449.738+/-418.832 χ^2/NDF:12.5/6

+ sign 249.792+/-199.311 χ^2/NDF: 27.4/23

All: 38.893+/-142.381 χ^2/NDF: 58.9/49

- sign -180.893+/-203.467 χ^2/NDF: 29.2/25

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 972.058+/-0.280 χ^2/NDF:255931.6/7

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

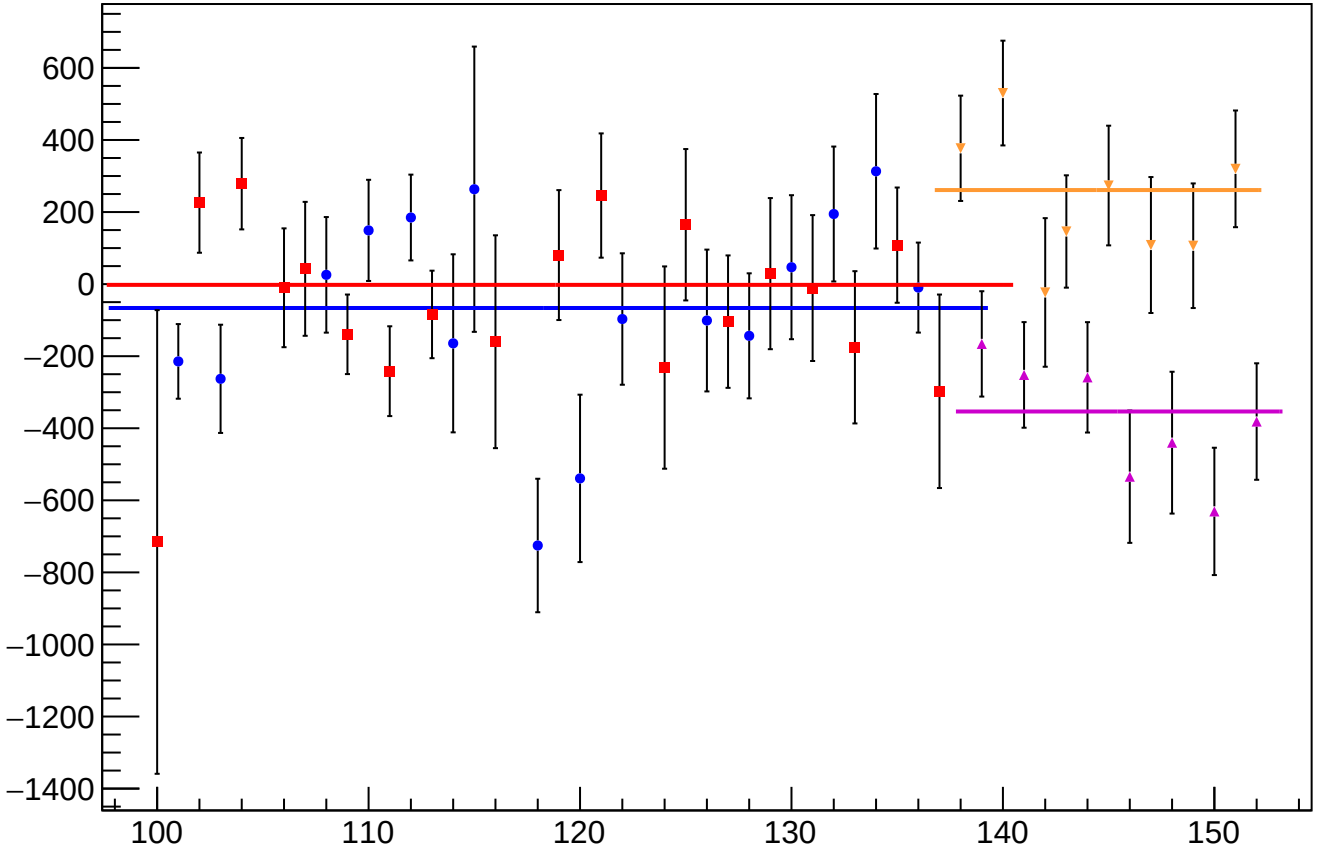
Left In: 1021.451+/-0.296 χ^2/NDF:286988.5/6

+ sign 646.209+/-0.141 χ^2/NDF: 5702087.2/23

All: 657.796+/-0.101 χ^2/NDF: 10978243.1/49

- sign 669.872+/-0.144 χ^2/NDF: 5262351.7/25

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 261.047+/-58.245 χ^2/NDF:8.1/7

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

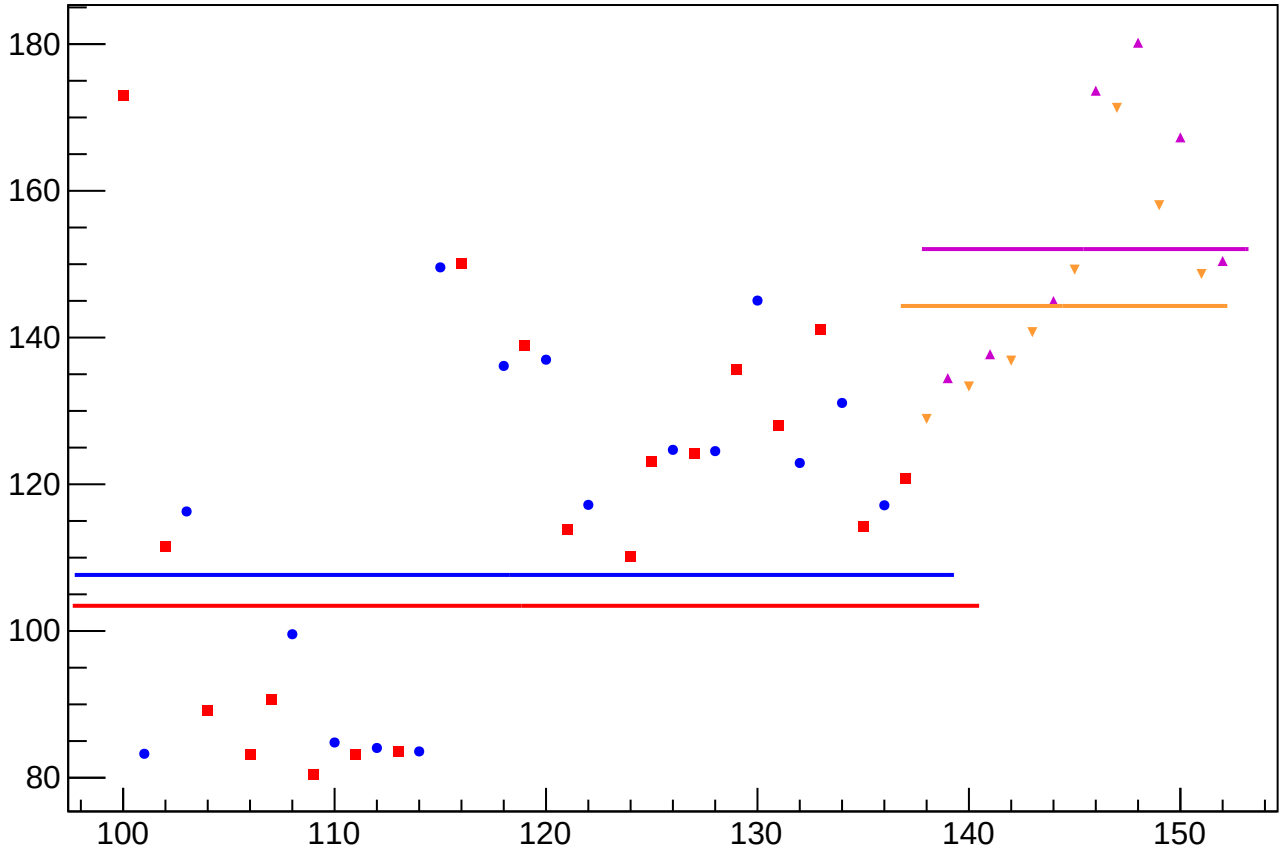
Left In: -353.487+/-61.806 χ^2/NDF:6.2/6

+ sign 41.966+/-33.492 χ^2/NDF: 63.6/23

All: -31.157+/-23.486 χ^2/NDF: 123.5/49

- sign -101.907+/-32.944 χ^2/NDF: 50.4/25

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 144.307+/-0.041 χ^2/NDF:94060.0/7

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

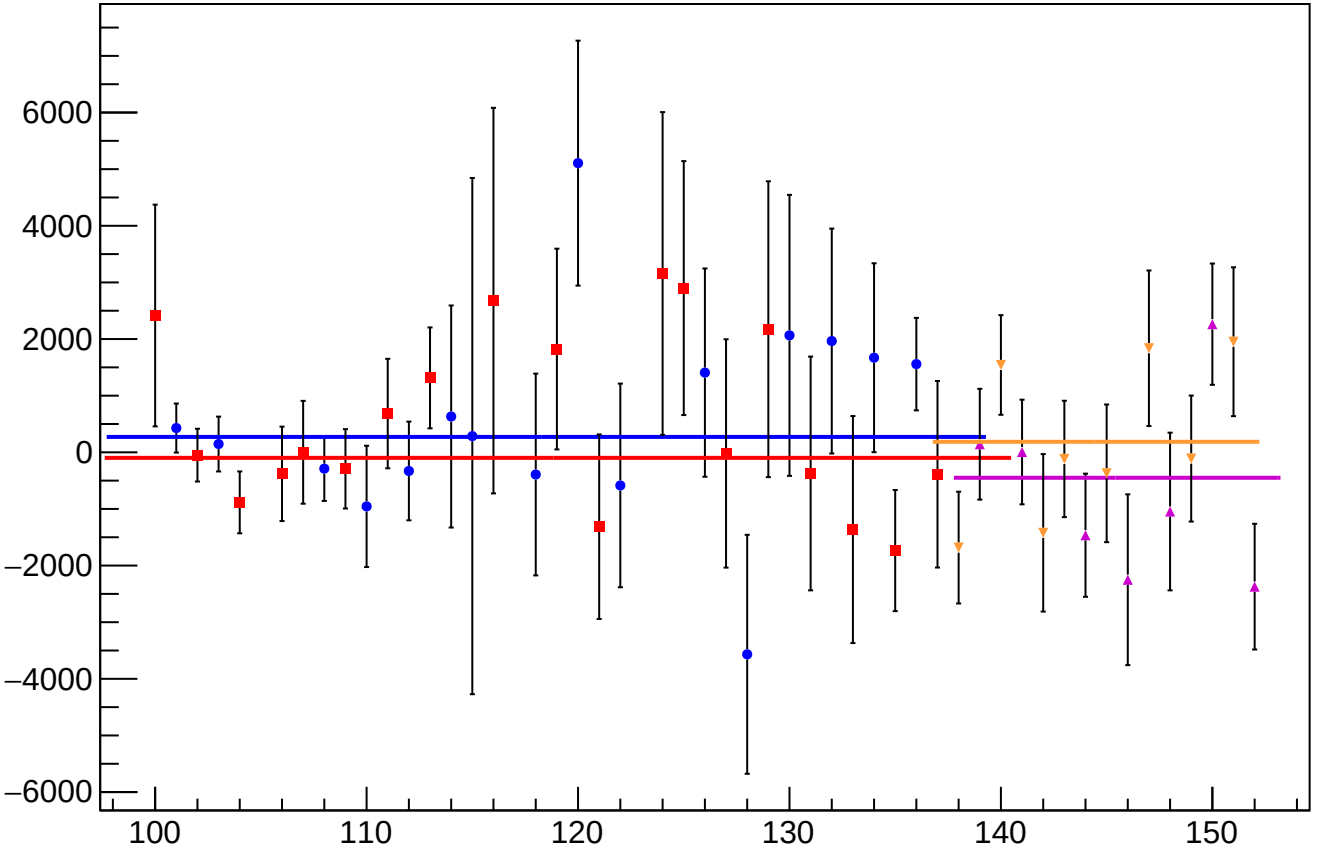
Left In: 152.060+/-0.044 χ^2/NDF:135931.6/6

+ sign 119.767+/-0.024 χ^2/NDF: 1157301.2/23

All: 118.489+/-0.017 χ^2/NDF: 2809810.1/49

- sign 117.252+/-0.023 χ^2/NDF: 1646778.5/25

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 185.377+/-396.002 χ^2/NDF:10.9/7

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

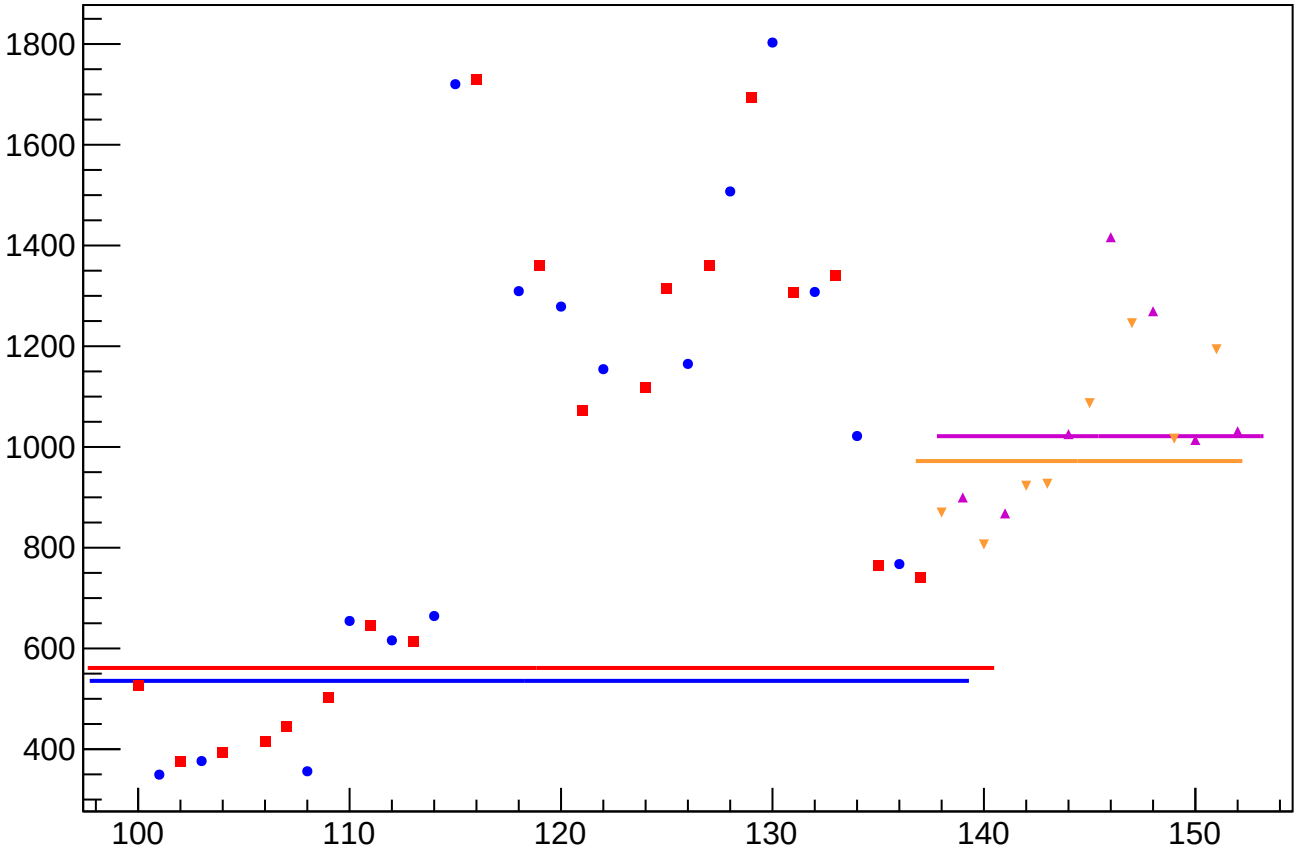
Left In: -449.738+/-418.832 χ^2/NDF:12.5/6

+ sign 249.792+/-199.311 χ^2/NDF: 27.4/23

All: 38.893+/-142.381 χ^2/NDF: 58.9/49

- sign -180.893+/-203.467 χ^2/NDF: 29.2/25

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 972.058+/-0.280 χ^2/NDF:255931.6/7

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

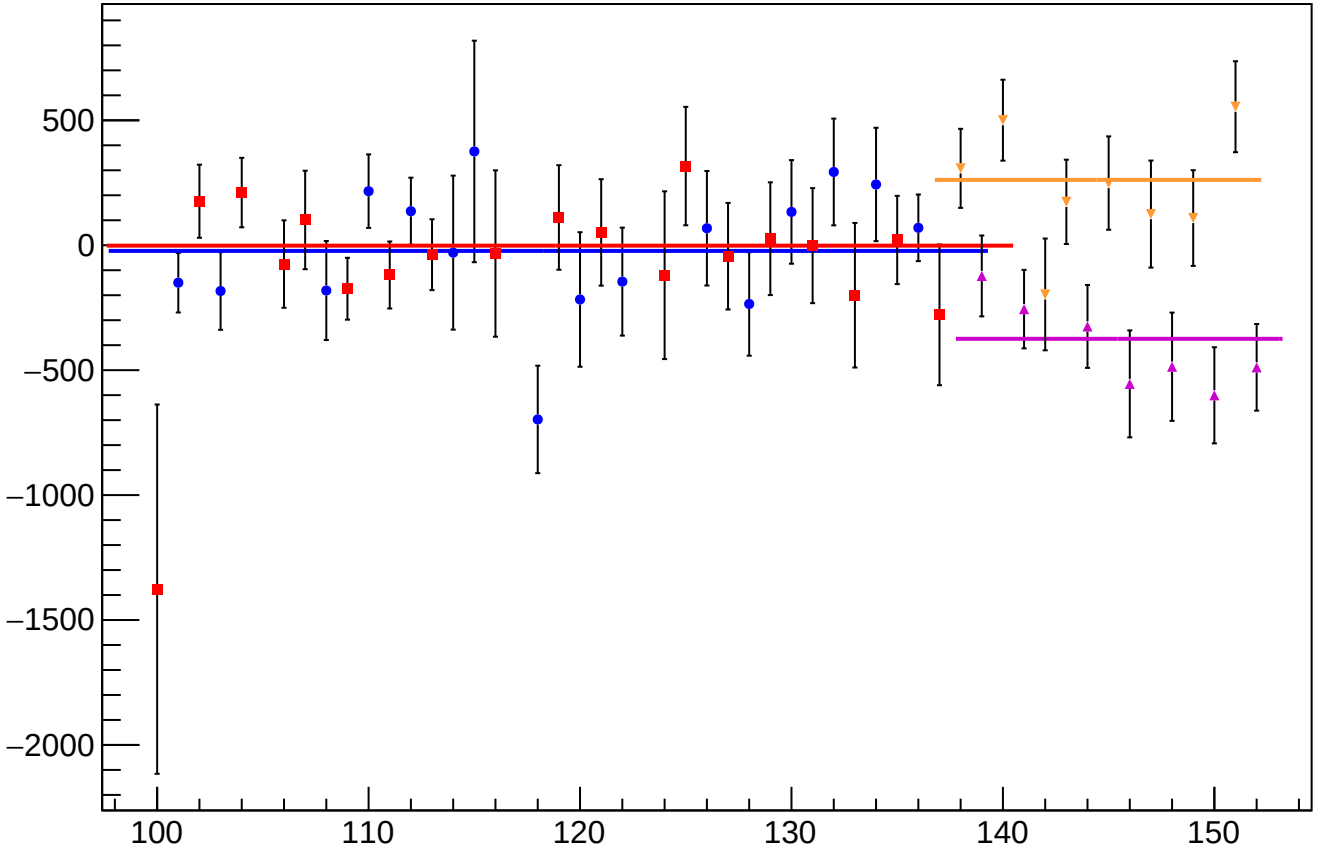
Left In: 1021.451+/-0.296 χ^2/NDF:286988.5/6

+ sign 646.209+/-0.141 χ^2/NDF: 5702087.2/23

All: 657.796+/-0.101 χ^2/NDF: 10978243.1/49

- sign 669.872+/-0.144 χ^2/NDF: 5262351.7/25

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 261.682+/-64.409 χ^2/NDF:10.4/7

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

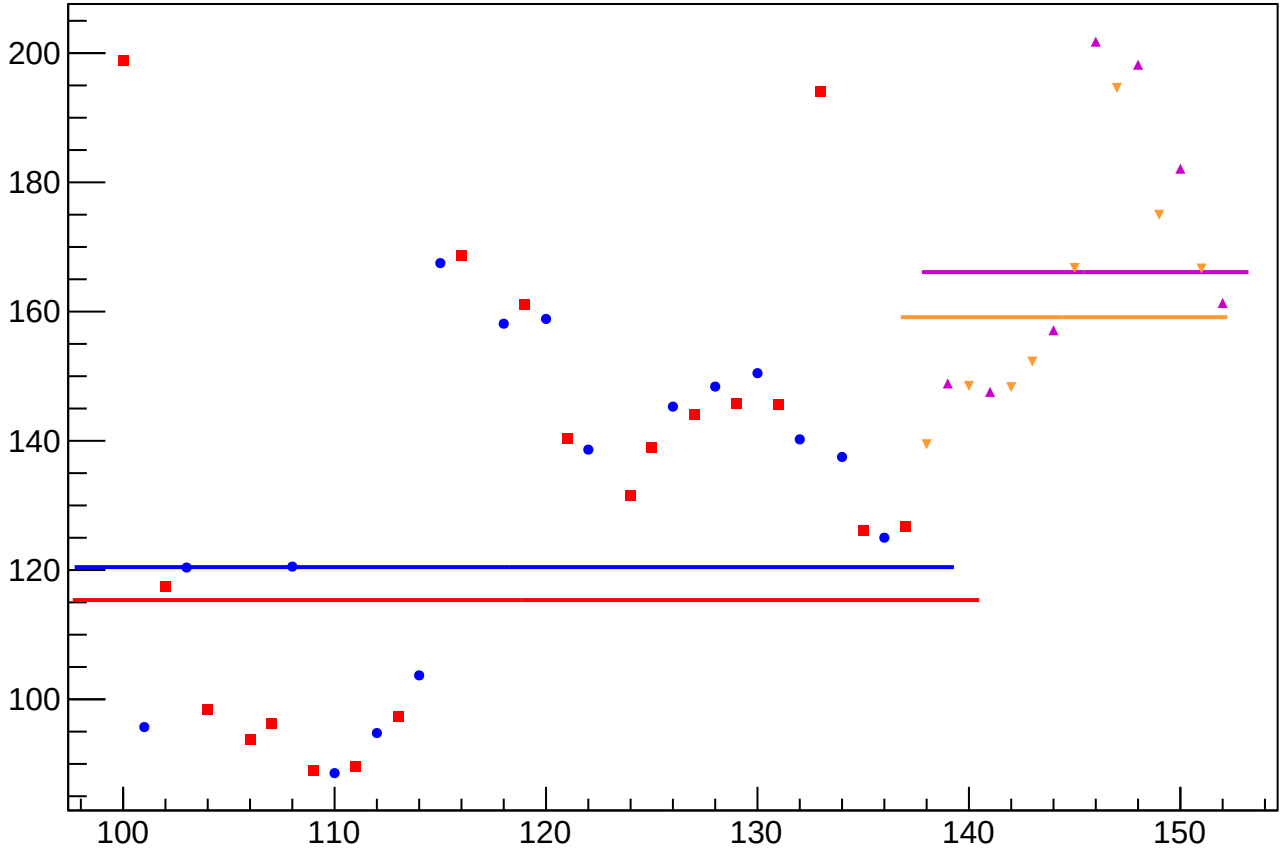
Left In: -374.523+/-67.661 χ^2/NDF:5.9/6

+ sign 73.118+/-37.384 χ^2/NDF: 47.5/23

All: -20.764+/-26.163 χ^2/NDF: 101.5/49

- sign -110.887+/-36.628 χ^2/NDF: 41.6/25

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 159.132+/-0.046 χ^2/NDF:122837.5/7

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

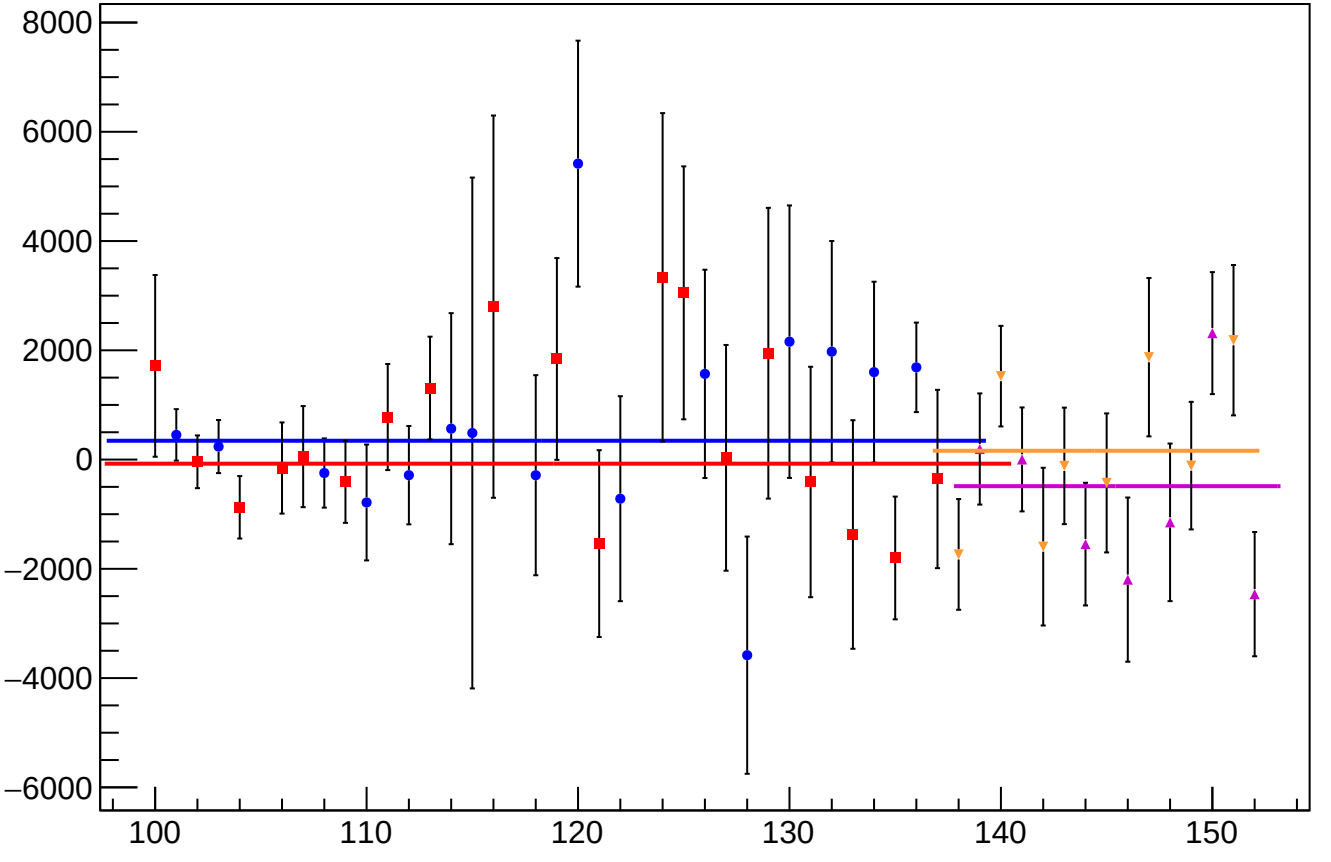
Left In: 166.113+/-0.048 χ^2/NDF:171127.9/6

+ sign 133.487+/-0.026 χ^2/NDF: 1131319.0/23

All: 131.826+/-0.019 χ^2/NDF: 2873059.2/49

- sign 130.231+/-0.026 χ^2/NDF: 1734000.9/25

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 160.984+/-412.818 χ^2/NDF:11.1/7

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

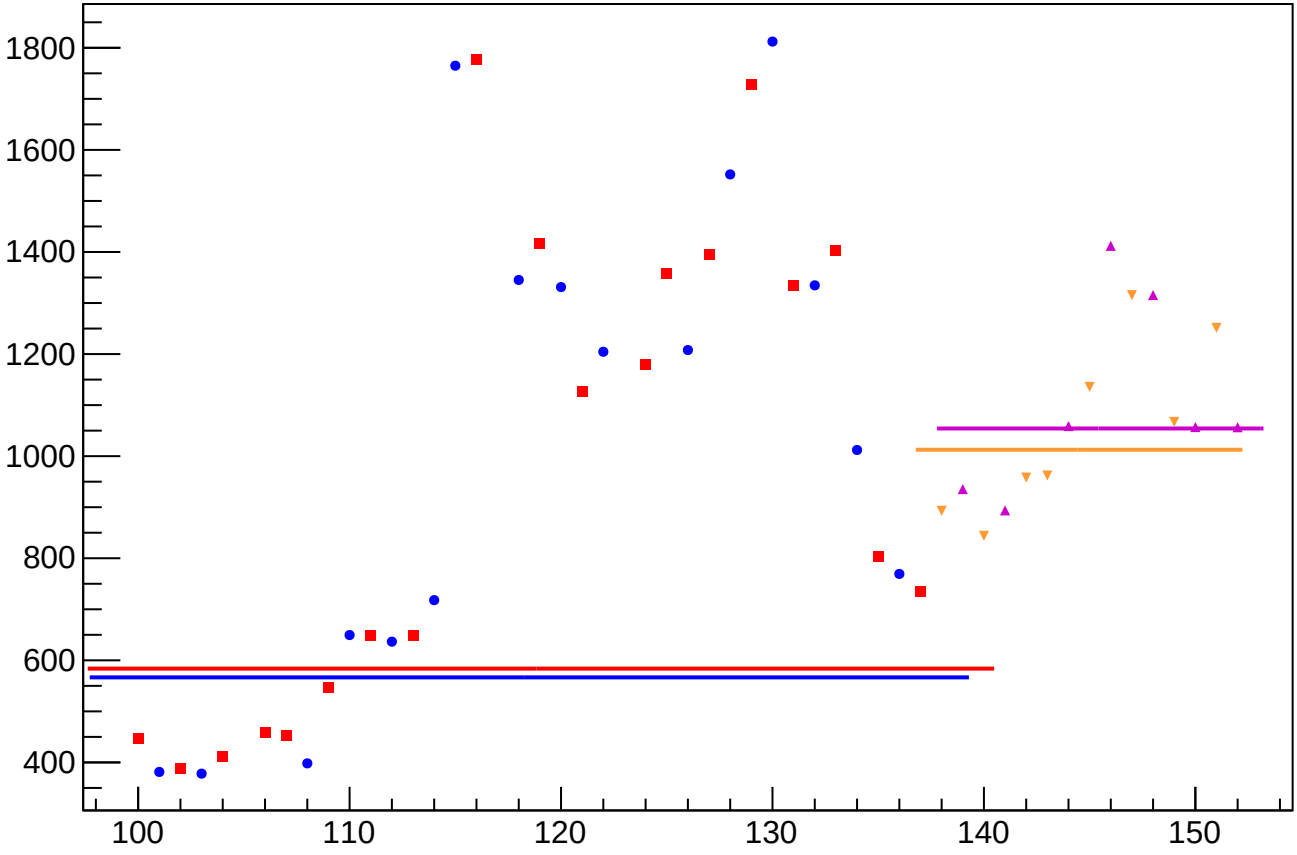
Left In: -487.063+/-431.800 χ^2/NDF:12.4/6

\+ sign 297.653+/-208.471 χ^2/NDF: 27.5/23

All: 64.210+/-147.982 χ^2/NDF: 58.4/49

\- sign -172.881+/-210.095 χ^2/NDF: 28.4/25

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1012.582+/-0.292 χ^2/NDF:272971.5/7

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

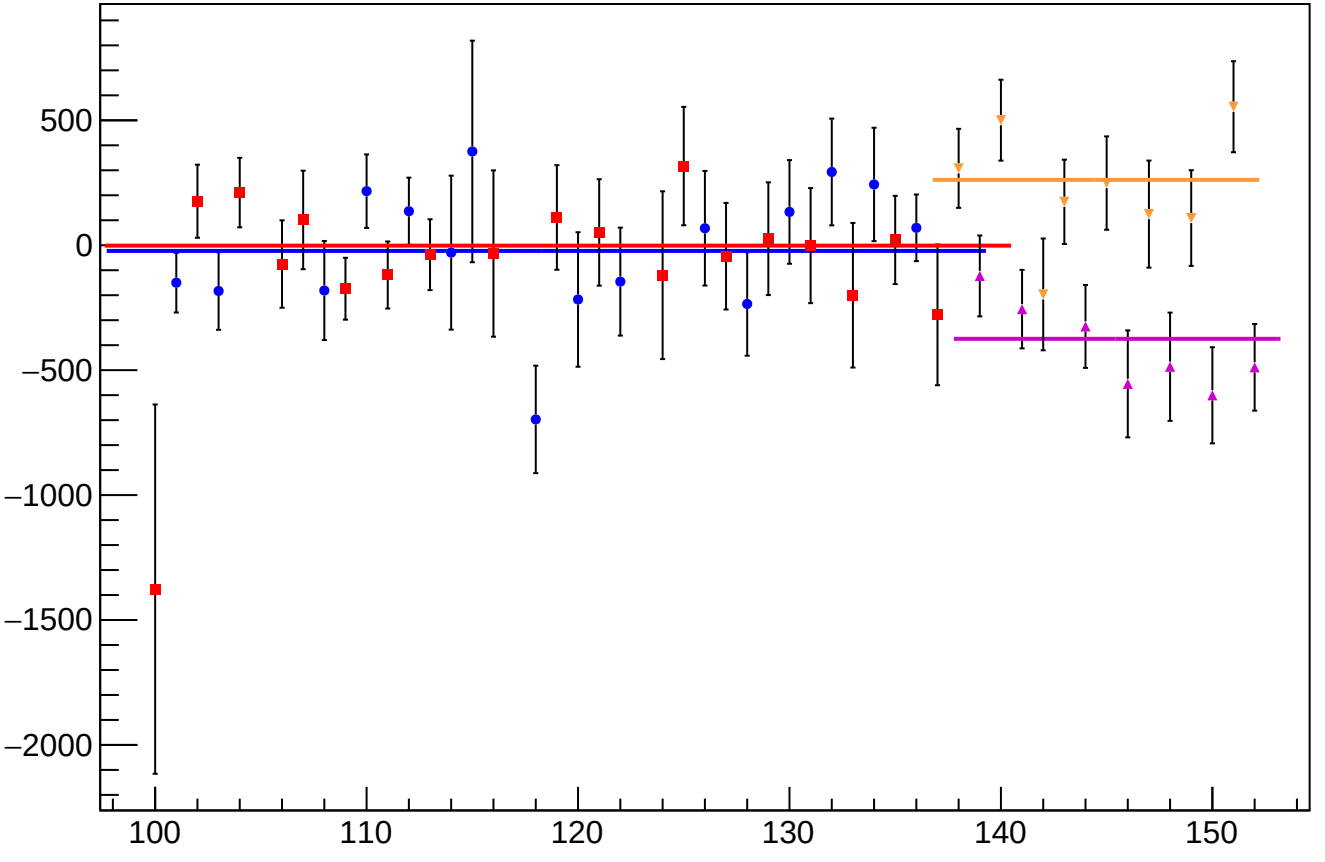
Left In: 1054.240+/-0.305 χ^2/NDF:263269.6/6

+ sign 680.337+/-0.147 χ^2/NDF: 5444356.2/23

All: 687.694+/-0.105 χ^2/NDF: 10632162.2/49

- sign 695.166+/-0.149 χ^2/NDF: 5182785.9/25

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 261.684+/-64.409 χ^2/NDF:10.4/7

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

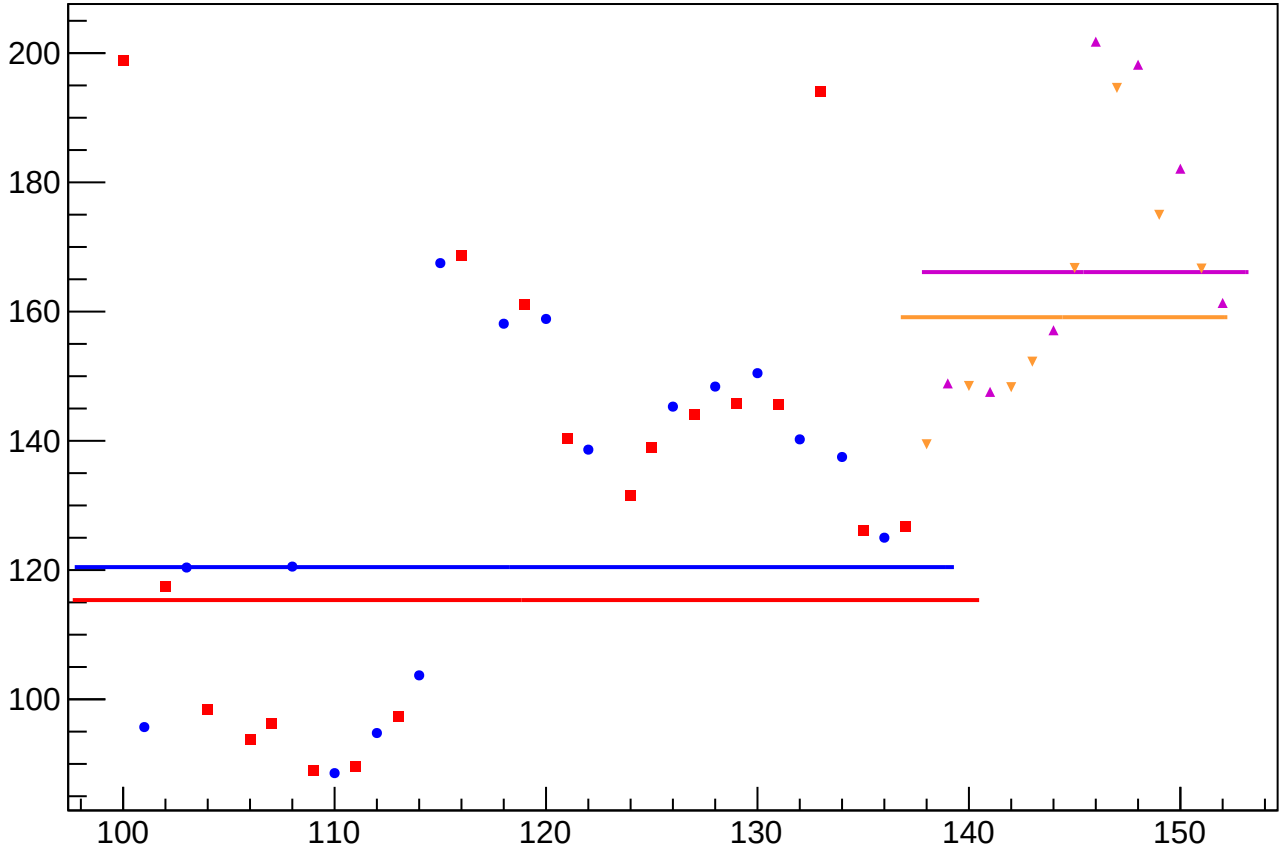
Left In: -374.523+/-67.660 χ^2/NDF:5.9/6

+ sign 73.118+/-37.384 χ^2/NDF: 47.5/23

All: -20.765+/-26.163 χ^2/NDF: 101.5/49

- sign -110.888+/-36.628 χ^2/NDF: 41.6/25

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 159.132+/-0.046 χ^2/NDF:122836.3/7

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

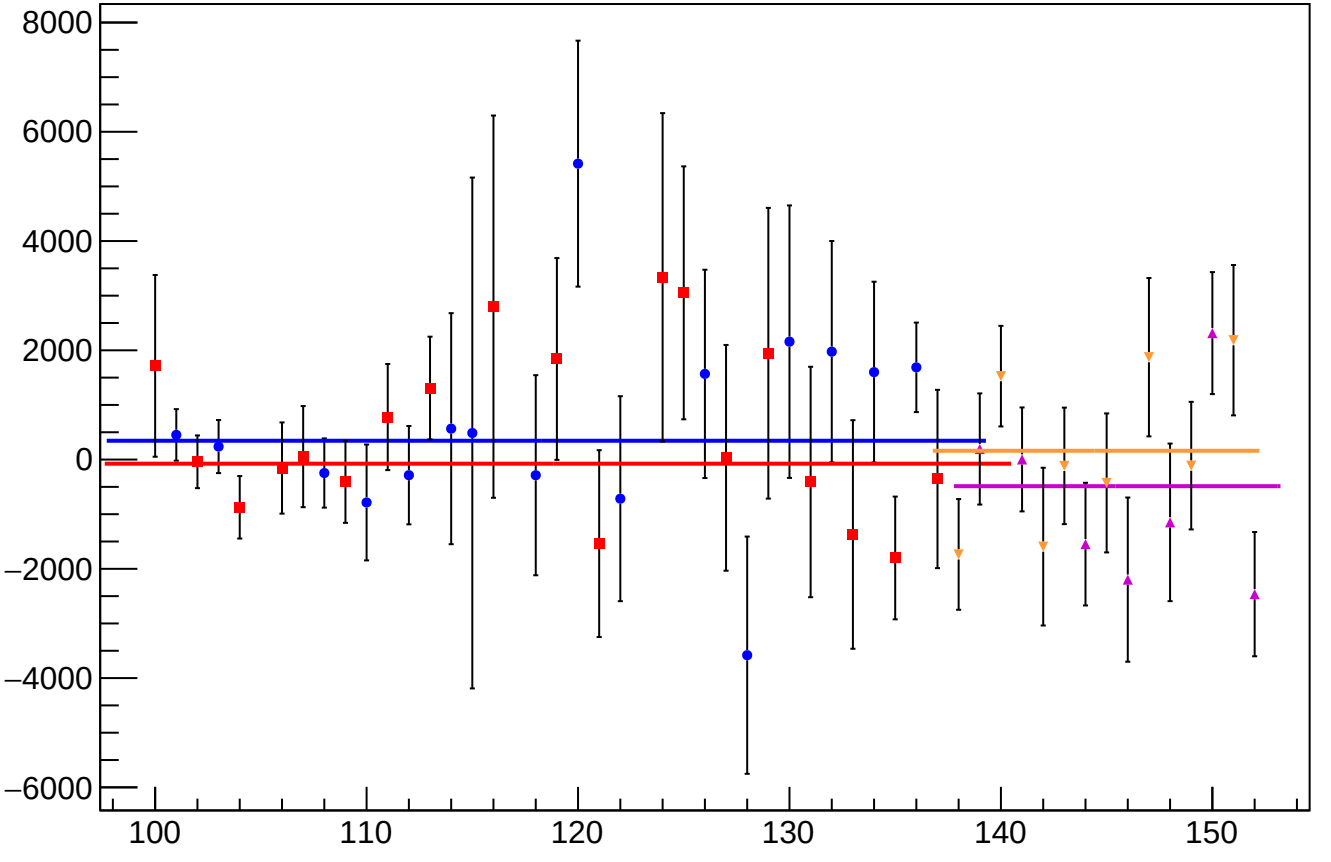
Left In: 166.112+/-0.048 χ^2/NDF:171128.0/6

+ sign 133.487+/-0.026 χ^2/NDF: 1131322.9/23

All: 131.826+/-0.019 χ^2/NDF: 2873064.0/49

- sign 130.231+/-0.026 χ^2/NDF: 1734002.1/25

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 160.988+/-412.817 χ^2/NDF:11.1/7

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

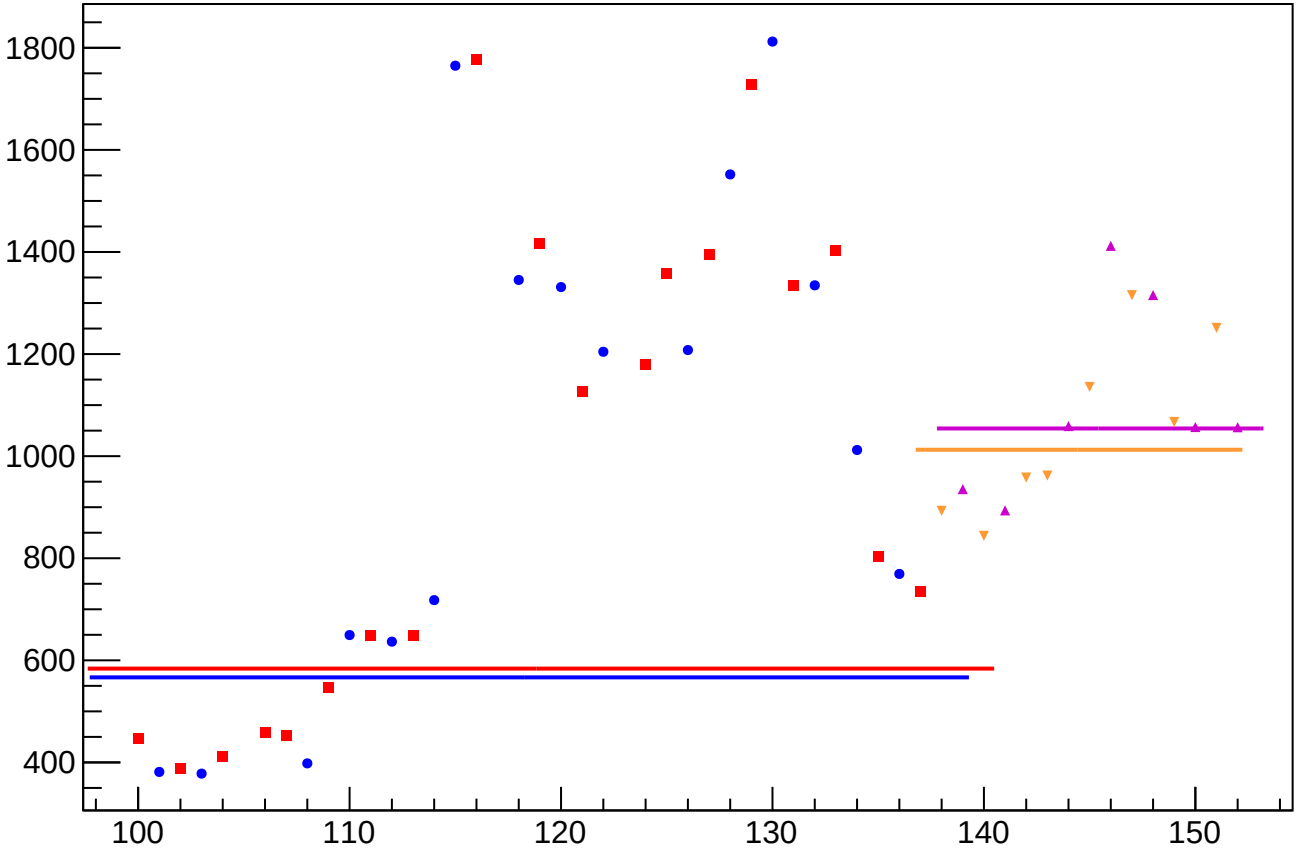
Left In: -487.061+/-431.800 χ^2/NDF:12.4/6

+ sign 297.653+/-208.471 χ^2/NDF: 27.5/23

All: 64.210+/-147.982 χ^2/NDF: 58.4/49

- sign -172.882+/-210.094 χ^2/NDF: 28.4/25

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1012.581+/-0.292 χ^2/NDF:272971.9/7

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

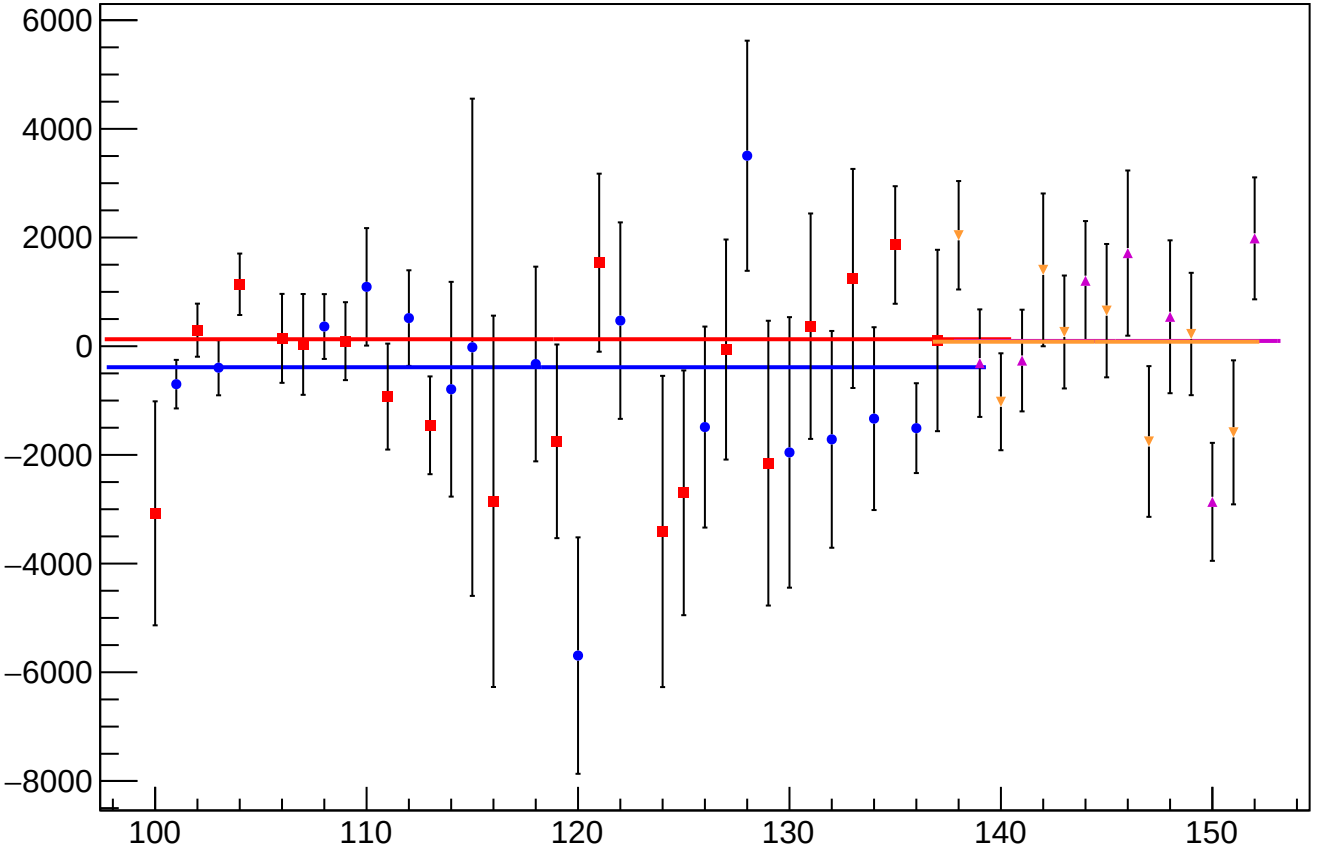
Left In: 1054.239+/-0.305 χ^2/NDF:263270.2/6

+ sign 680.336+/-0.147 χ^2/NDF: 5444362.1/23

All: 687.693+/-0.105 χ^2/NDF: 10632170.5/49

- sign 695.165+/-0.149 χ^2/NDF: 5182788.1/25

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 82.947+/-400.450 χ^2/NDF:9.9/7

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

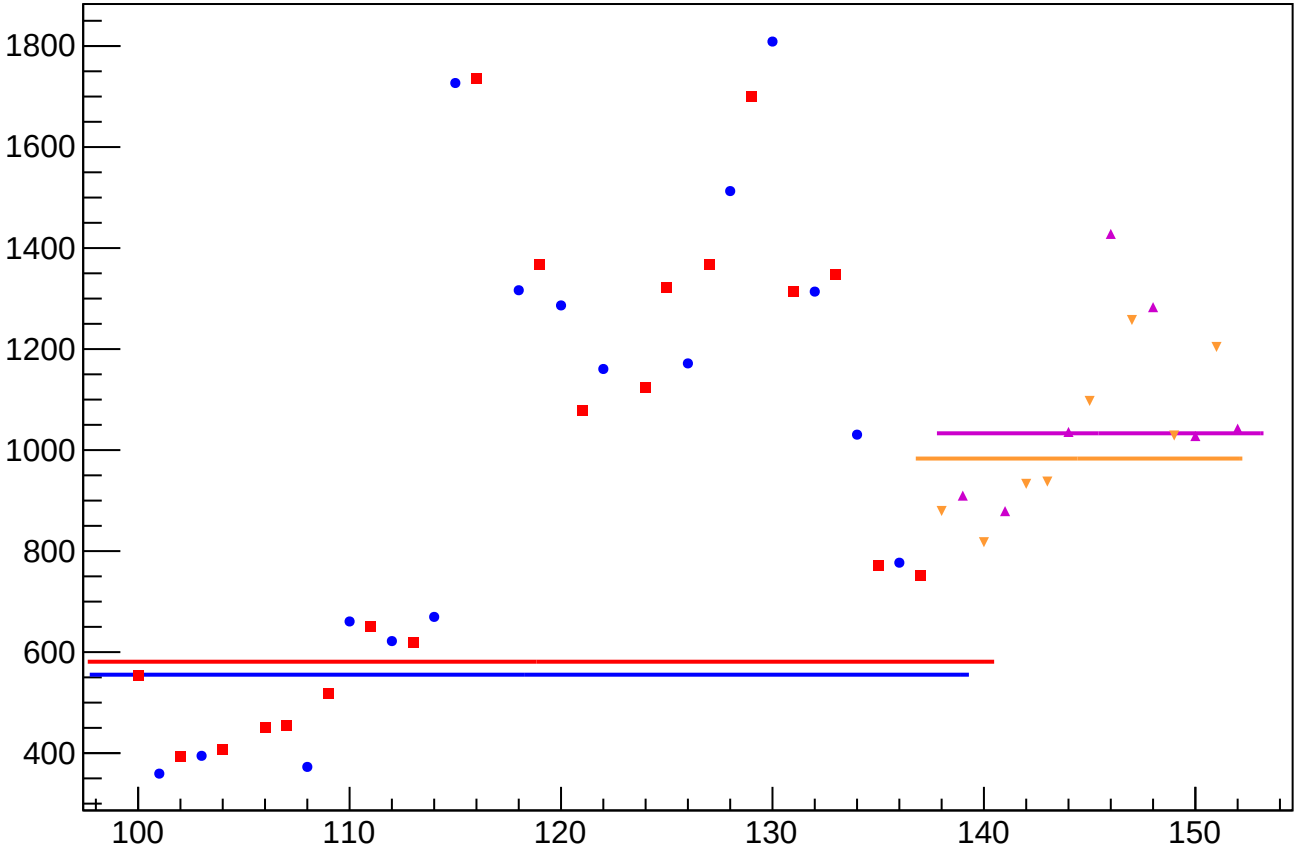
Left In: 97.116+/-423.564 χ^2/NDF:12.8/6

+ sign -264.340+/-204.291 χ^2/NDF: 28.8/23

All: -74.800+/-145.628 χ^2/NDF: 62.8/49

- sign 121.020+/-207.648 χ^2/NDF: 32.2/25

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 983.255+/-0.283 χ^2/NDF:251447.4/7

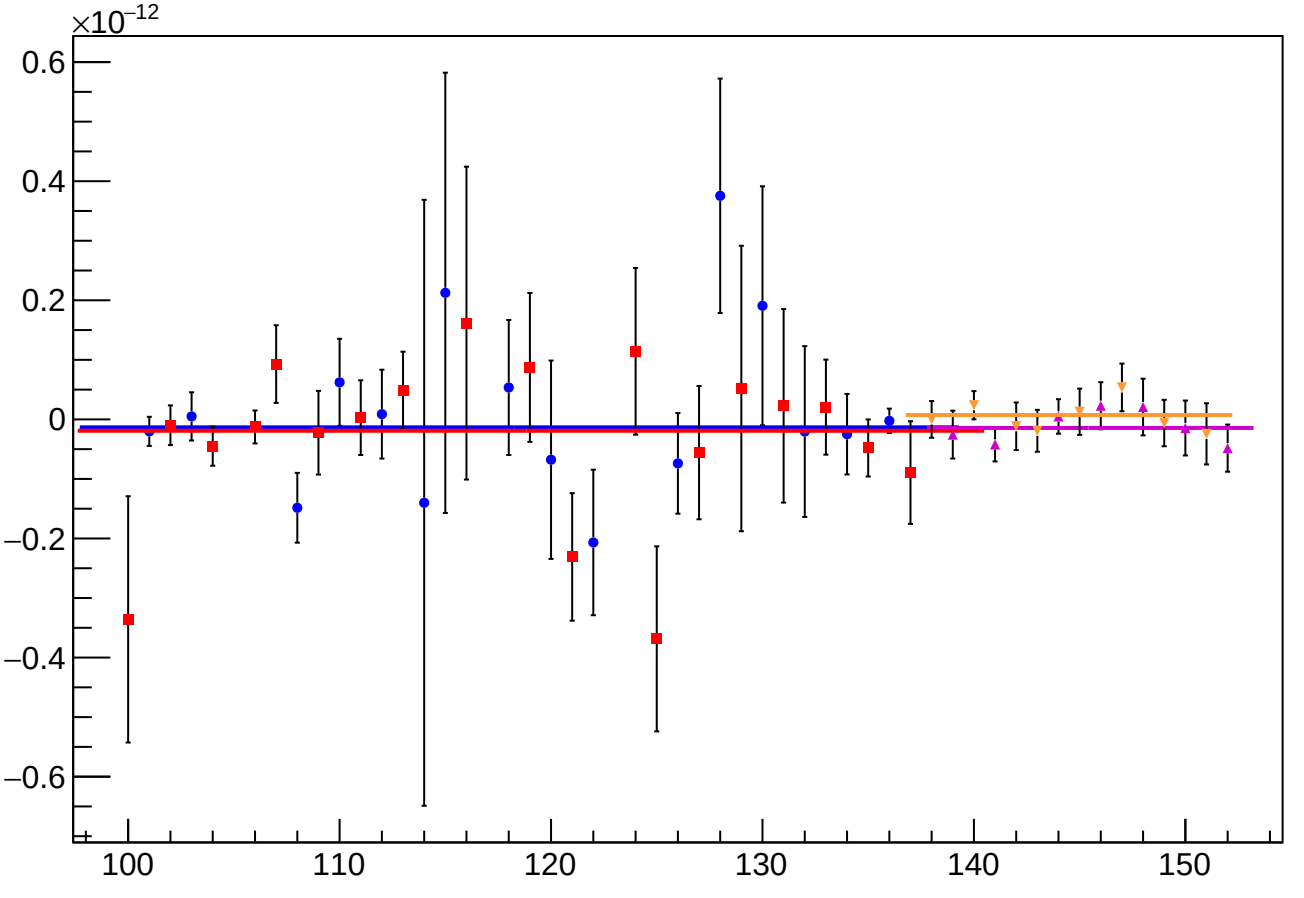
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1033.249+/-0.300 χ^2/NDF:283522.1/6

+ sign 666.672+/-0.144 χ^2/NDF: 5423744.3/23

All: 677.993+/-0.103 χ^2/NDF: 10435433.2/49

- sign 689.688+/-0.147 χ^2/NDF: 4999203.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/7

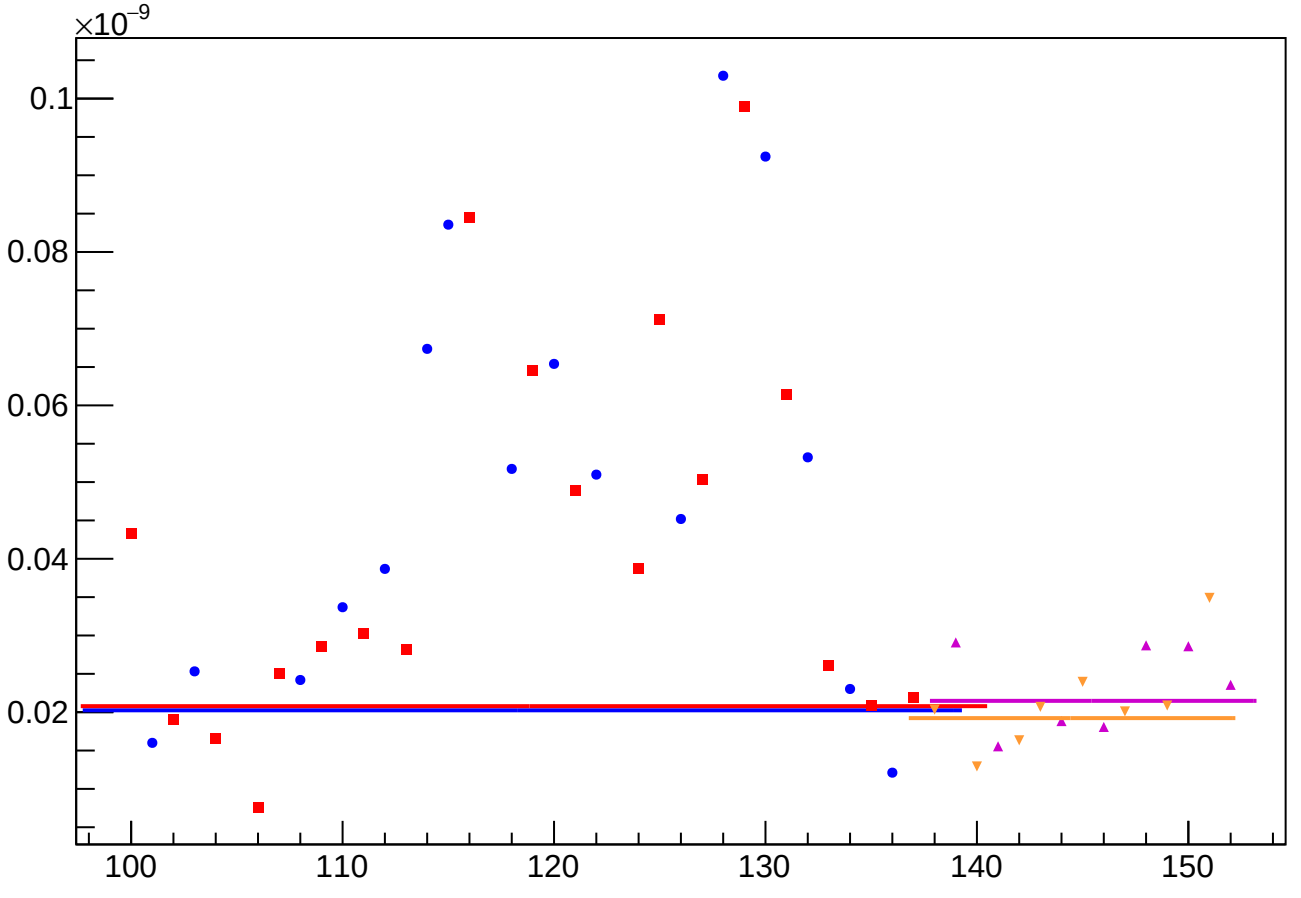
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 20.4/23

All: -0.000+/-0.000 χ^2/NDF: 45.2/49

- sign -0.000+/-0.000 χ^2/NDF: 23.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:378459.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

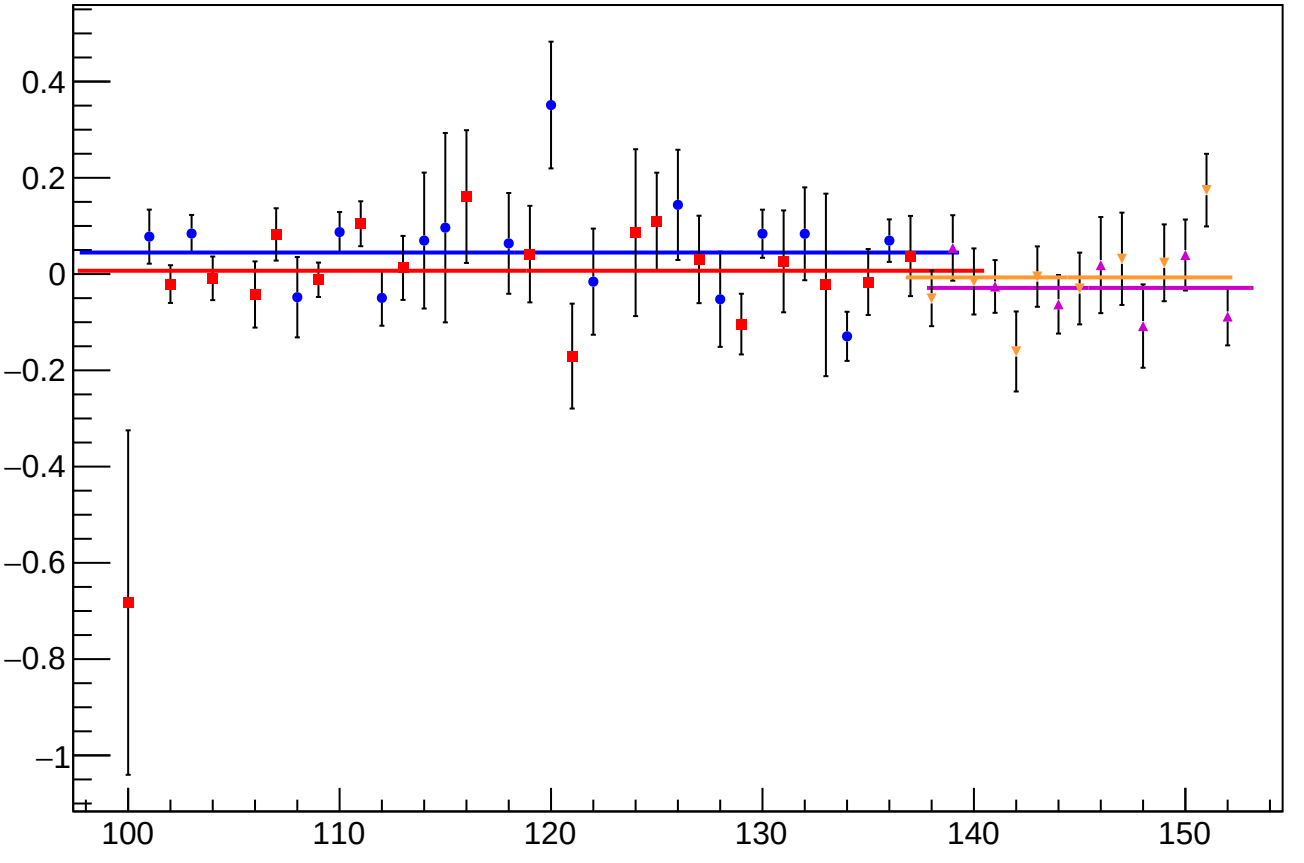
Left In: 0.000+/-0.000 χ^2/NDF:288824.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 2389639.1/23

All: 0.000+/-0.000 χ^2/NDF: 4559897.2/49

- sign 0.000+/-0.000 χ^2/NDF: 2147212.8/25

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.007+/-0.026 χ^2/NDF:10.2/7

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

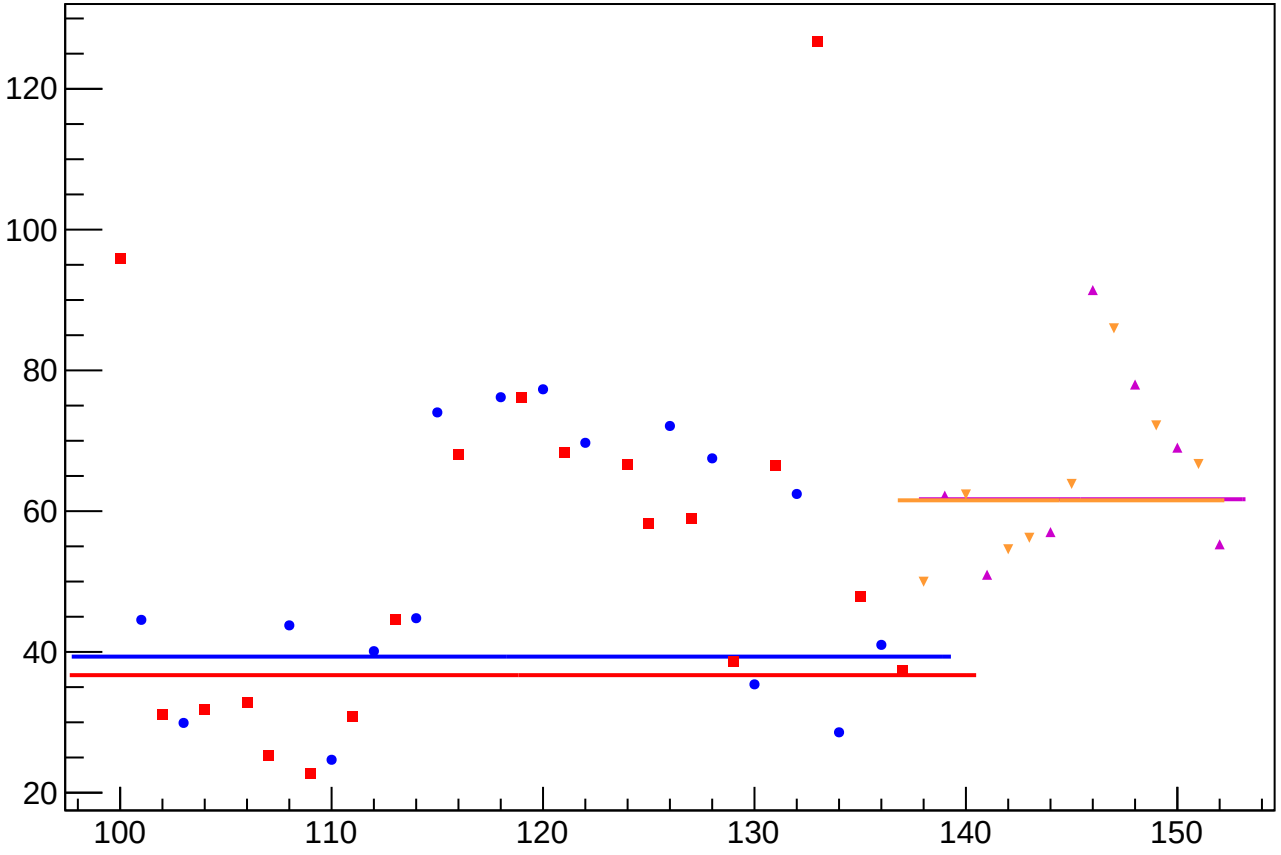
Left In: -0.029+/-0.026 χ^2/NDF:4.7/6

+ sign 0.030+/-0.014 χ^2/NDF: 39.8/23

All: 0.013+/-0.009 χ^2/NDF: 69.0/49

- sign -0.002+/-0.013 χ^2/NDF: 26.3/25

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 61.541+/-0.018 χ^2/NDF:285803.3/7

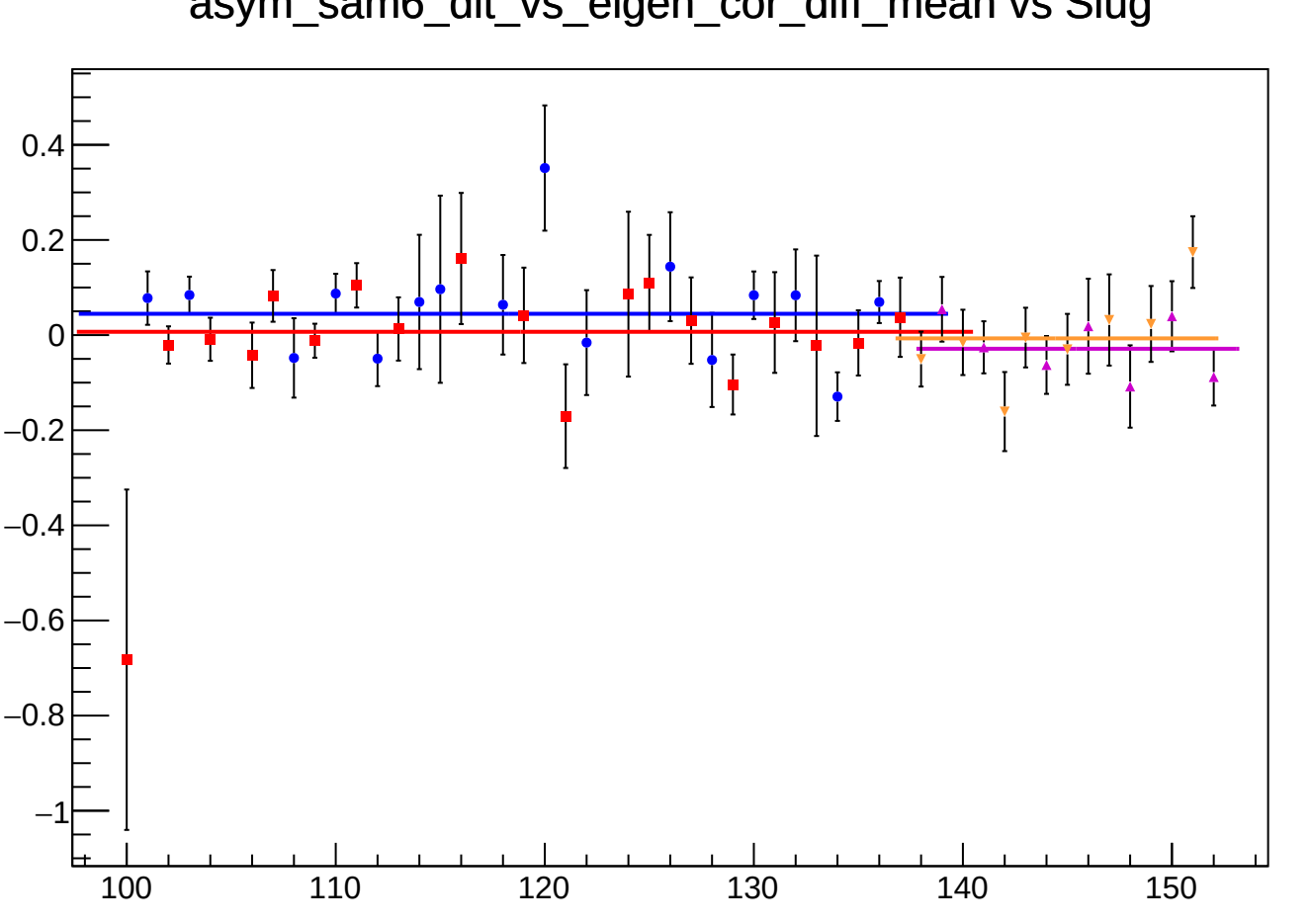
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 61.693+/-0.018 χ^2/NDF:379293.7/6

+ sign 45.604+/-0.010 χ^2/NDF: 2937103.7/23

All: 44.314+/-0.007 χ^2/NDF: 6854653.1/49

- sign 43.126+/-0.009 χ^2/NDF: 3882825.1/25



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.007+/-0.026 χ^2/NDF:10.2/7

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

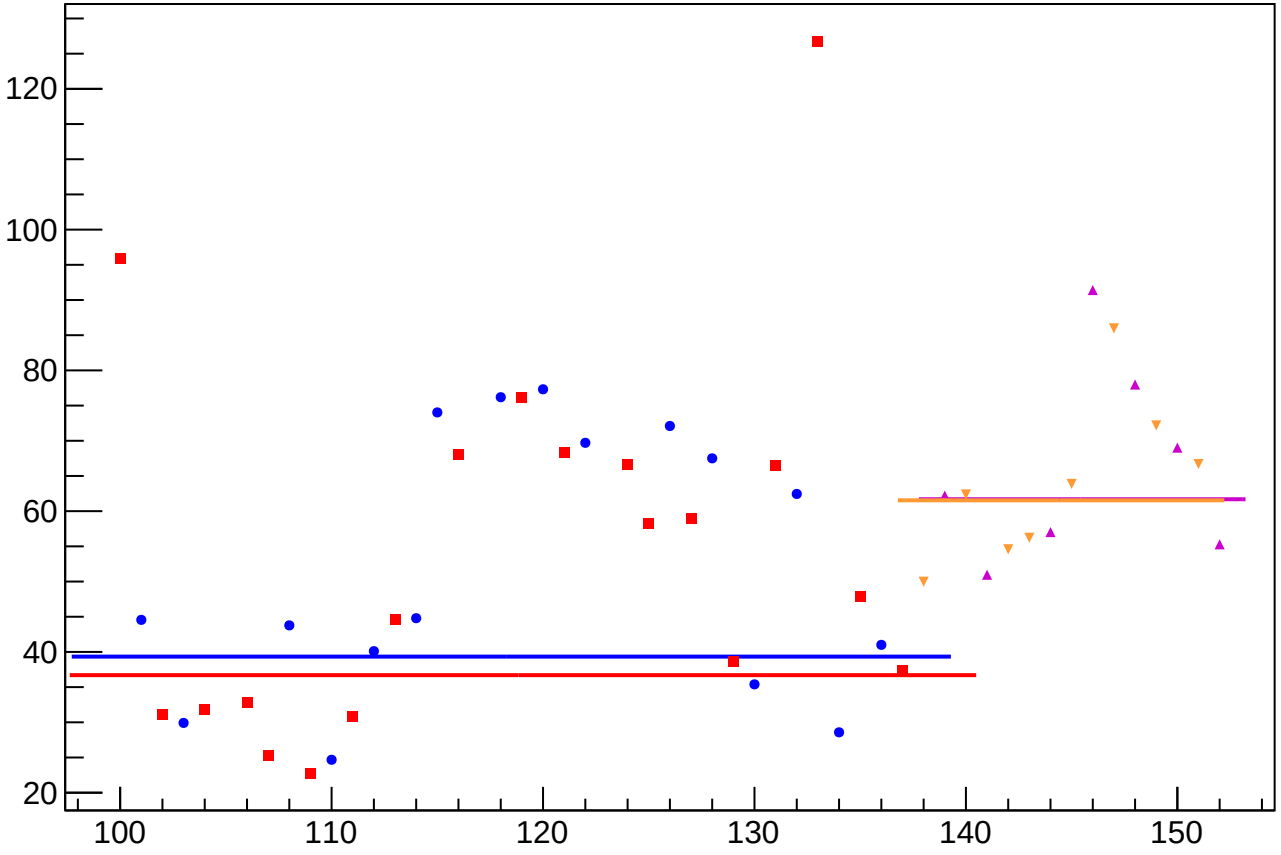
Left In: -0.029+/-0.026 χ^2/NDF:4.7/6

+ sign 0.030+/-0.014 χ^2/NDF: 39.8/23

All: 0.013+/-0.009 χ^2/NDF: 69.0/49

- sign -0.002+/-0.013 χ^2/NDF: 26.3/25

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 61.541+/-0.018 χ^2/NDF:285803.3/7

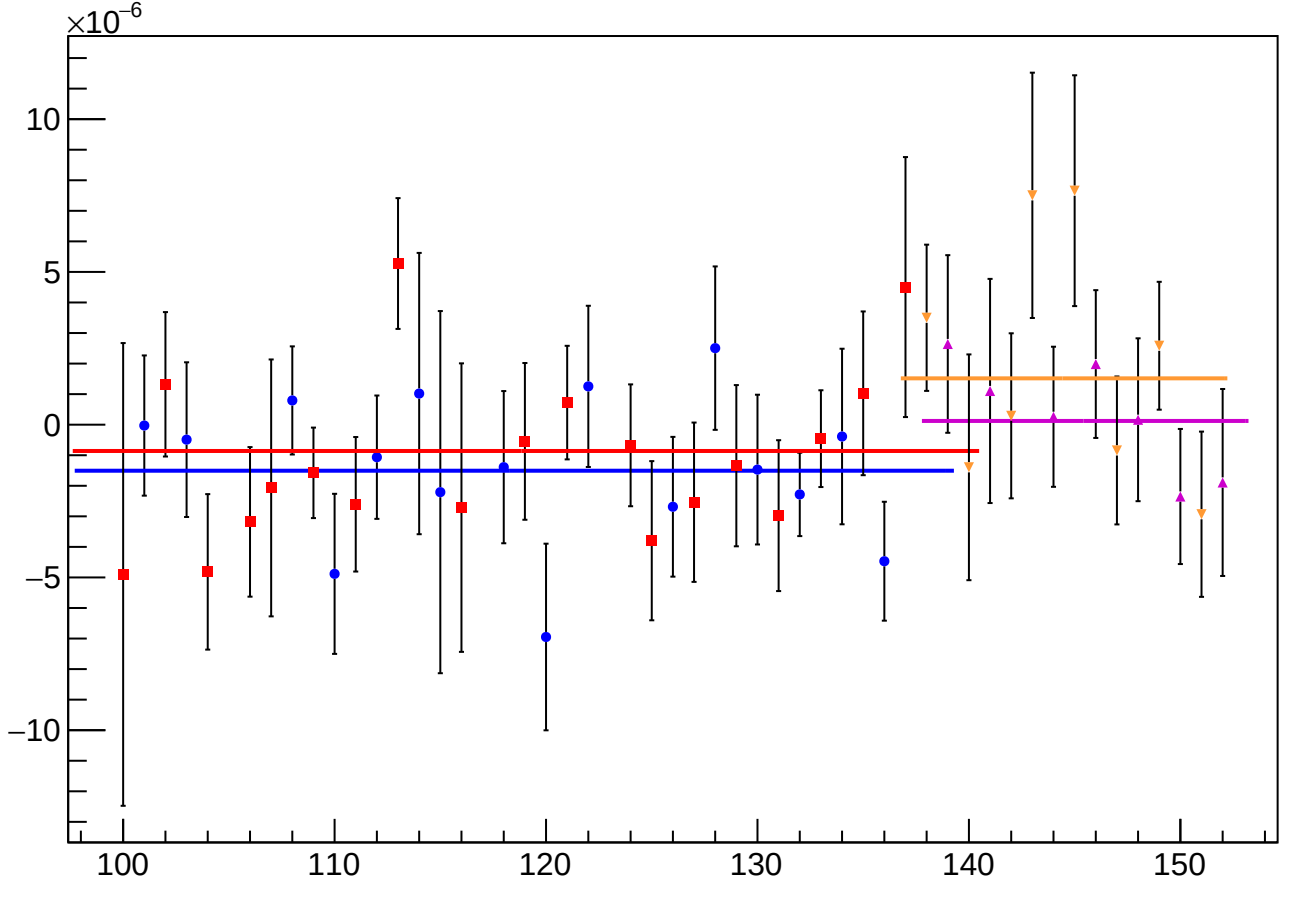
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 61.693+/-0.018 χ^2/NDF:379293.7/6

+ sign 45.604+/-0.010 χ^2/NDF: 2937103.7/23

All: 44.314+/-0.007 χ^2/NDF: 6854653.1/49

- sign 43.126+/-0.009 χ^2/NDF: 3882825.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/7

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

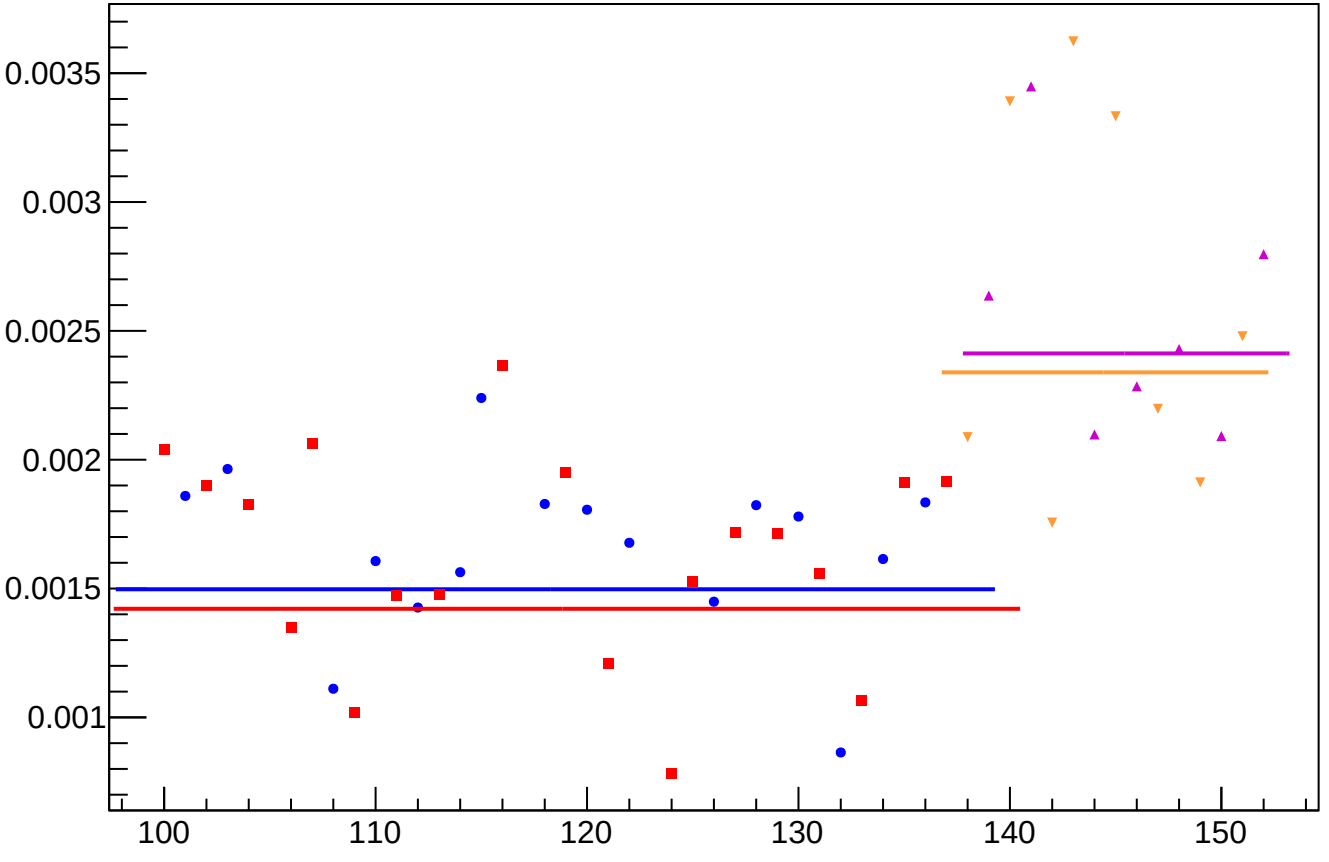
Left In: 0.000+/-0.000 χ^2/NDF:3.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/23

All: -0.000+/-0.000 χ^2/NDF: 54.3/49

- sign -0.000+/-0.000 χ^2/NDF: 23.0/25

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:715879.1/7

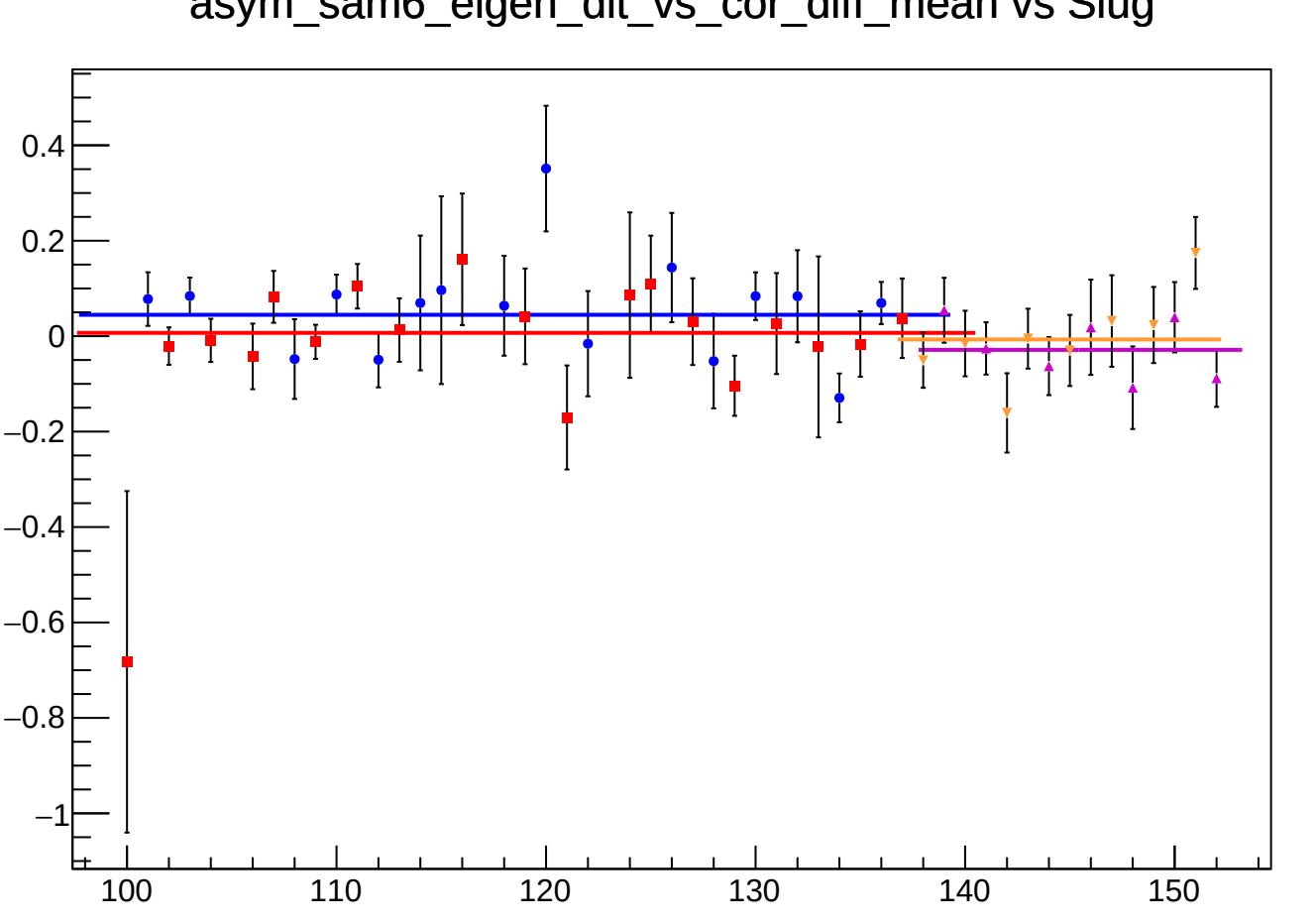
Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.002+/-0.000 χ^2/NDF:288467.7/6

+ sign 0.002+/-0.000 χ^2/NDF: 2683999.2/23

All: 0.002+/-0.000 χ^2/NDF: 5513997.1/49

- sign 0.002+/-0.000 χ^2/NDF: 2809739.8/25



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.007+/-0.026 χ^2/NDF:10.2/7

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

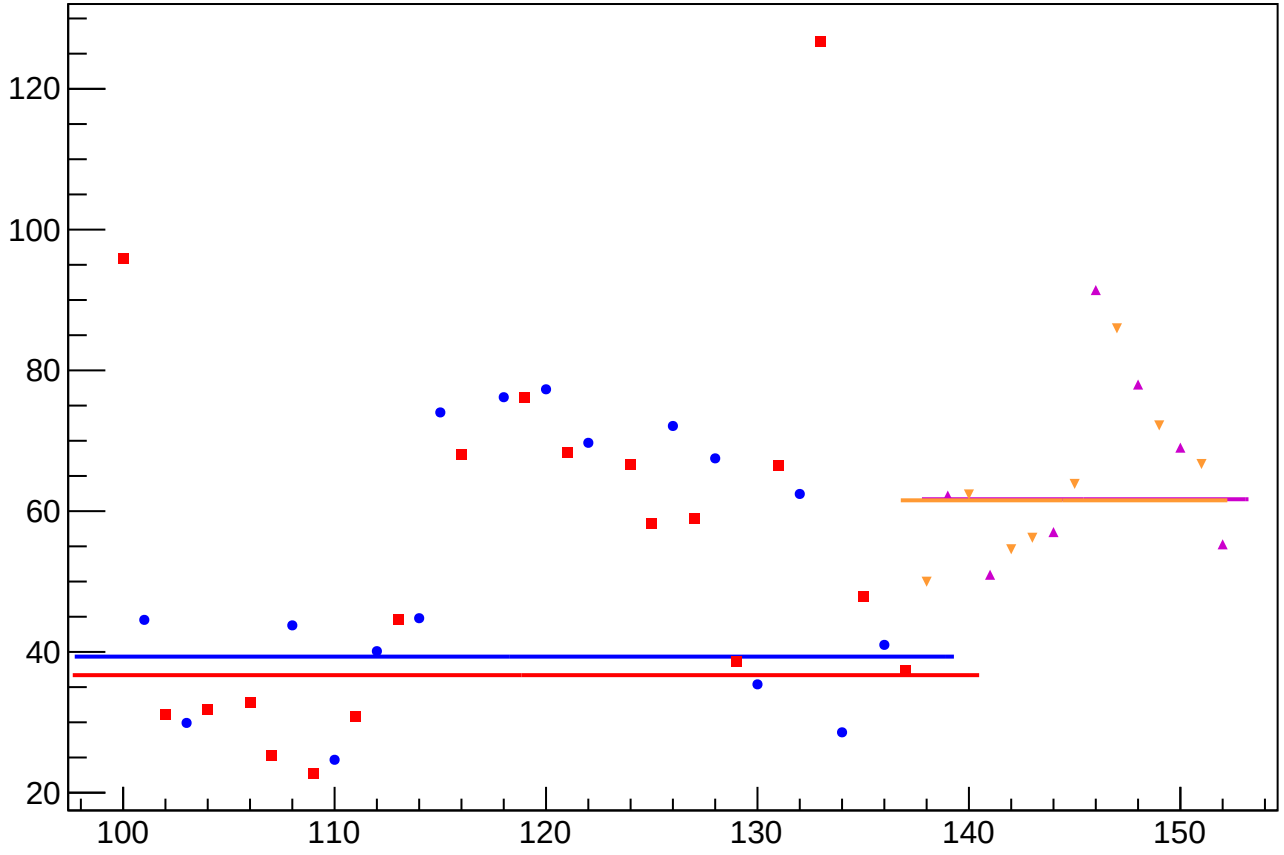
Left In: -0.029+/-0.026 χ^2/NDF:4.7/6

+ sign 0.030+/-0.014 χ^2/NDF: 39.8/23

All: 0.013+/-0.009 χ^2/NDF: 69.0/49

- sign -0.002+/-0.013 χ^2/NDF: 26.3/25

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 61.540+/-0.018 χ^2/NDF:285793.3/7

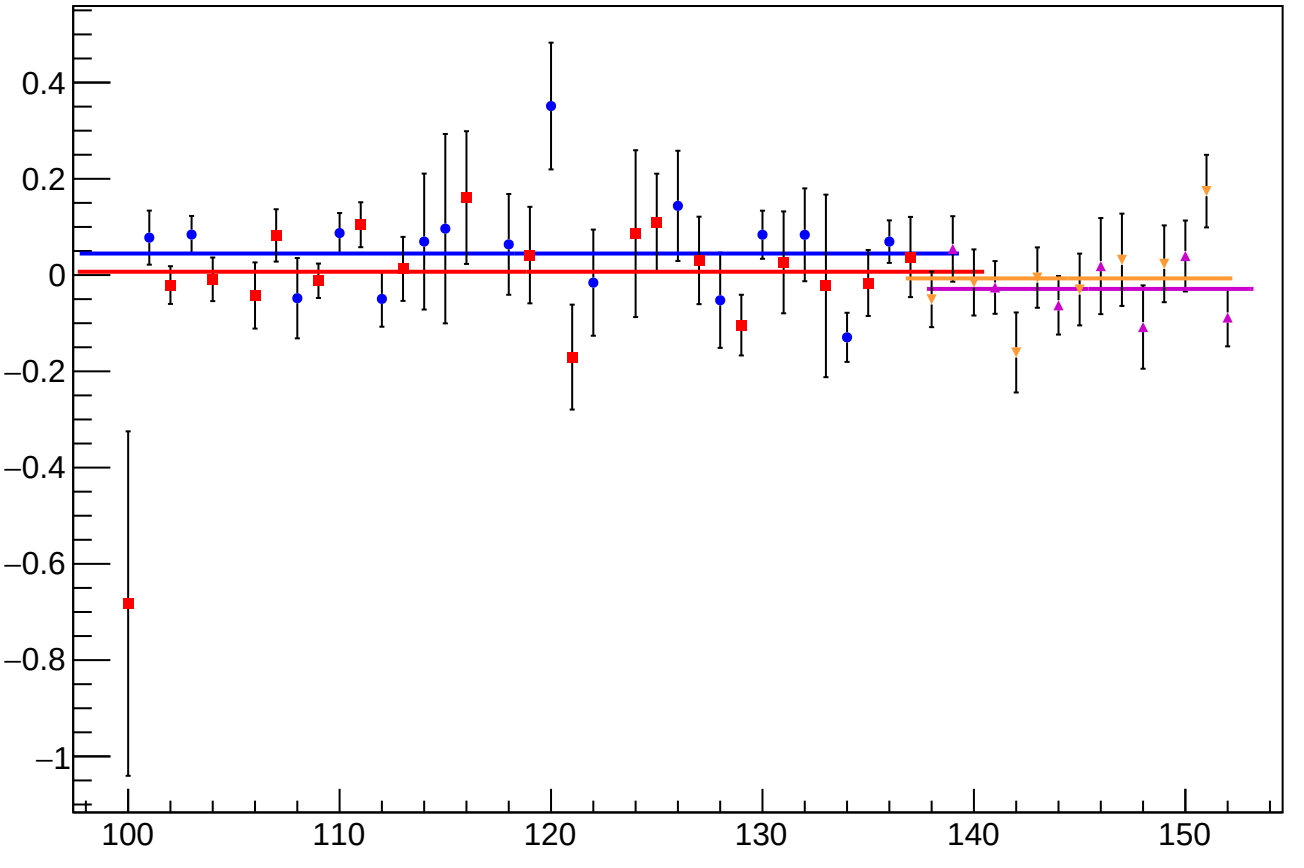
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 61.692+/-0.018 χ^2/NDF:379302.7/6

+ sign 45.604+/-0.010 χ^2/NDF: 2937125.7/23

All: 44.314+/-0.007 χ^2/NDF: 6854652.4/49

- sign 43.125+/-0.009 χ^2/NDF: 3882808.6/25



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.007+/-0.026 χ^2/NDF:10.2/7

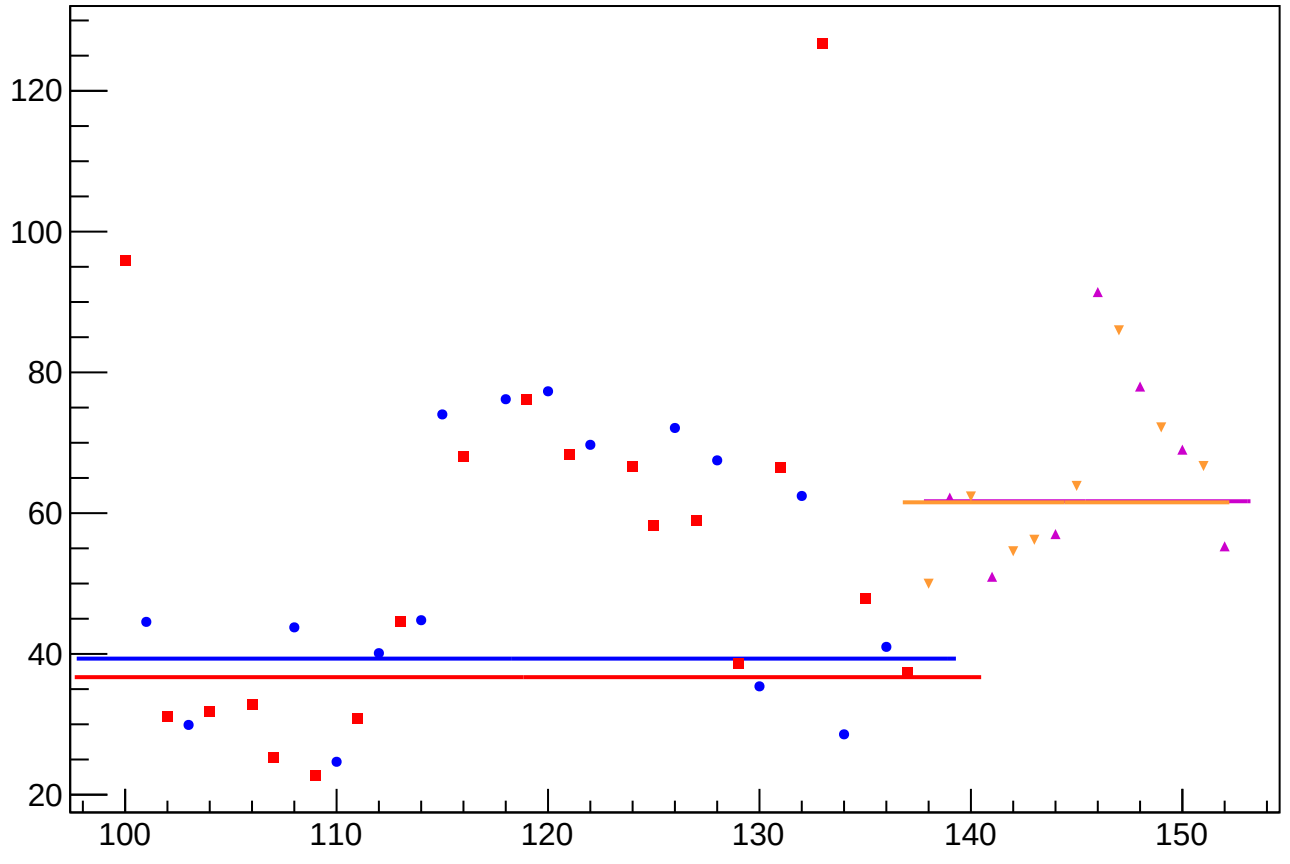
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.029+/-0.026 χ^2/NDF:4.7/6

+ sign 0.030+/-0.014 χ^2/NDF: 39.8/23

All: 0.013+/-0.009 χ^2/NDF: 69.0/49

- sign -0.002+/-0.013 χ^2/NDF: 26.3/25



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 61.540+/-0.018 χ^2/NDF:285793.3/7

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

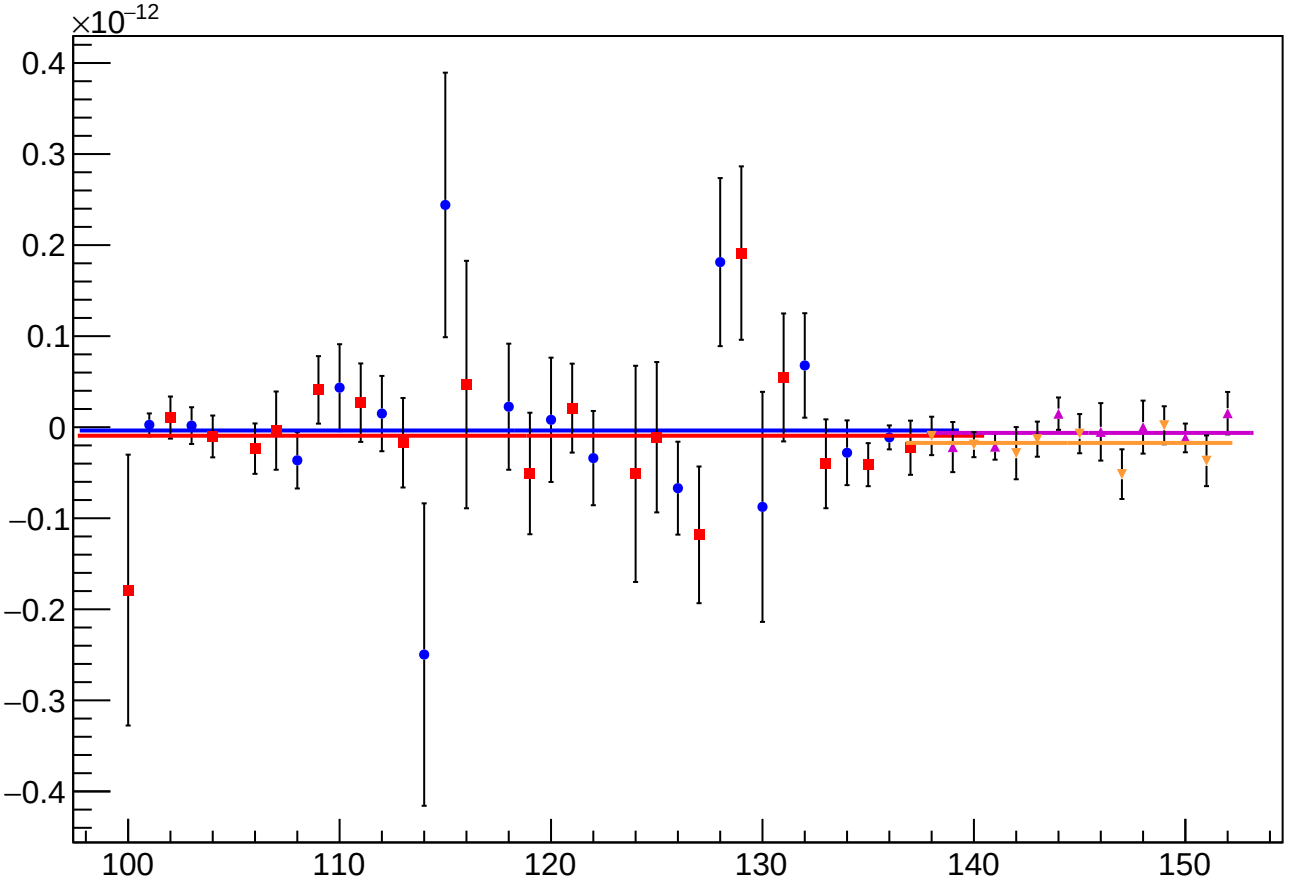
Left In: 61.692+/-0.018 χ^2/NDF:379302.7/6

+ sign 45.604+/-0.010 χ^2/NDF: 2937125.7/23

All: 44.314+/-0.007 χ^2/NDF: 6854652.4/49

- sign 43.125+/-0.009 χ^2/NDF: 3882808.6/25

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:3.5/7

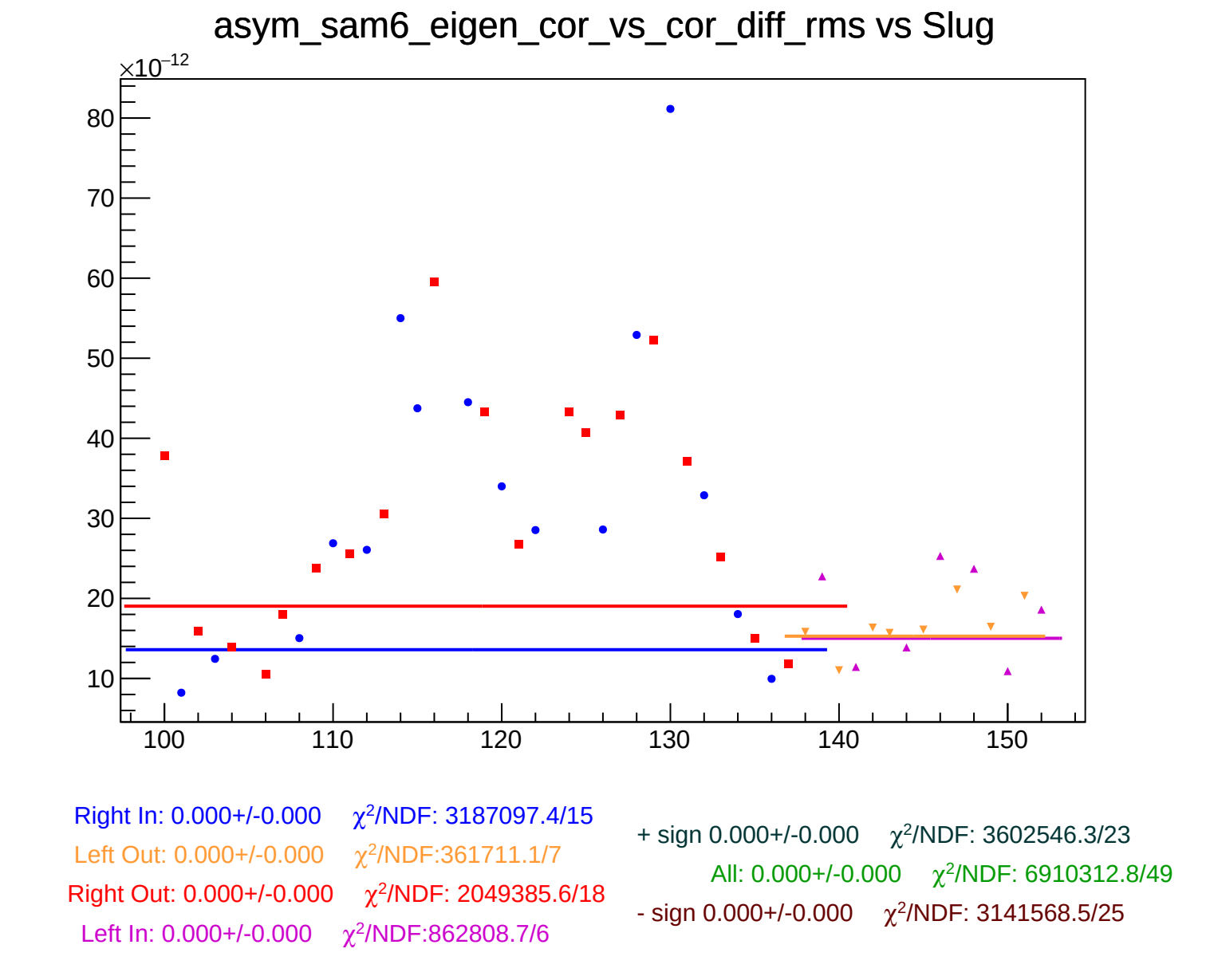
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/6

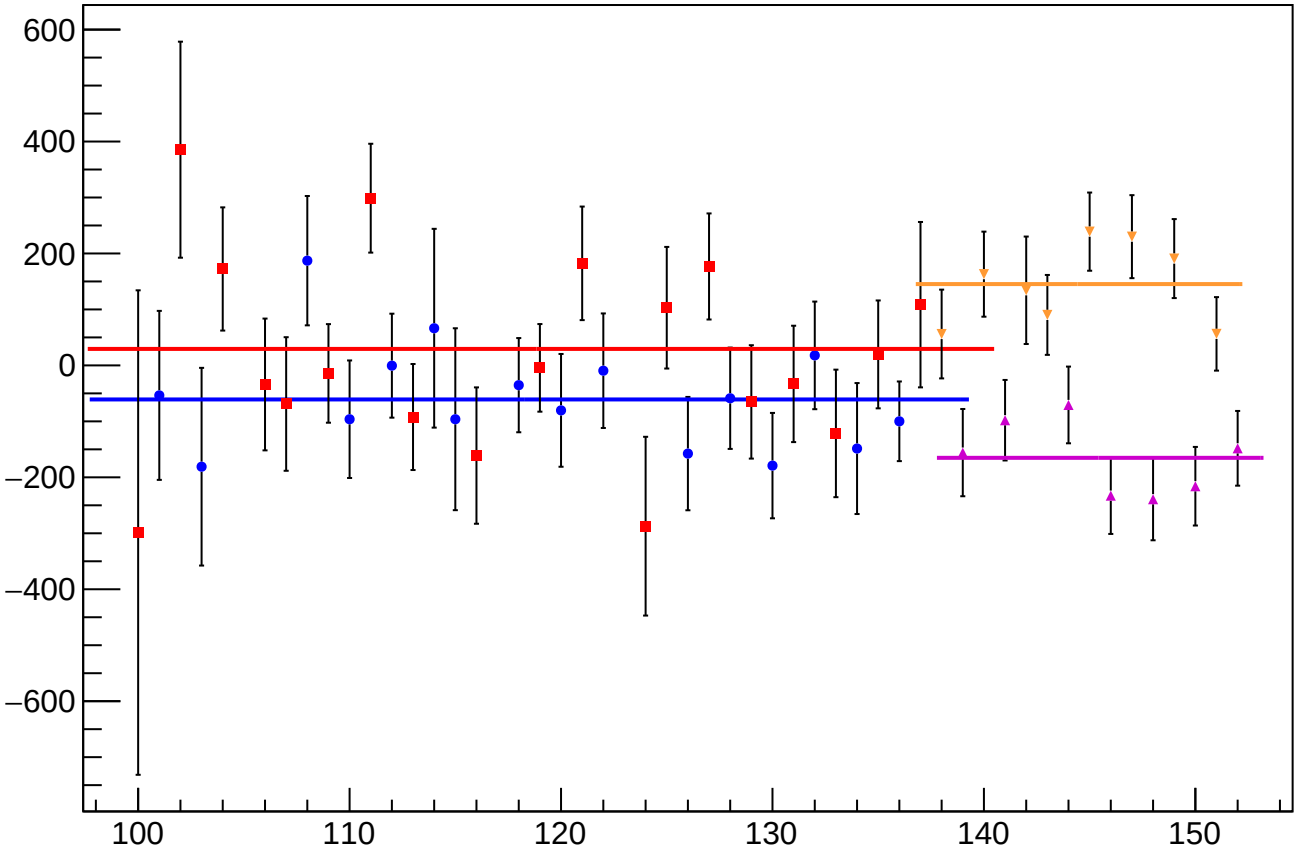
+ sign -0.000+/-0.000 χ^2/NDF: 21.8/23

All: -0.000+/-0.000 χ^2/NDF: 41.6/49

- sign -0.000+/-0.000 χ^2/NDF: 19.7/25


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:361711.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:862808.7/6
+ sign 0.000+/-0.000 χ²/NDF: 3602546.3/23
All: 0.000+/-0.000 χ²/NDF: 6910312.8/49
- sign 0.000+/-0.000 χ²/NDF: 3141568.5/25

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 145.297+/-26.203 χ^2/NDF:7.3/7

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

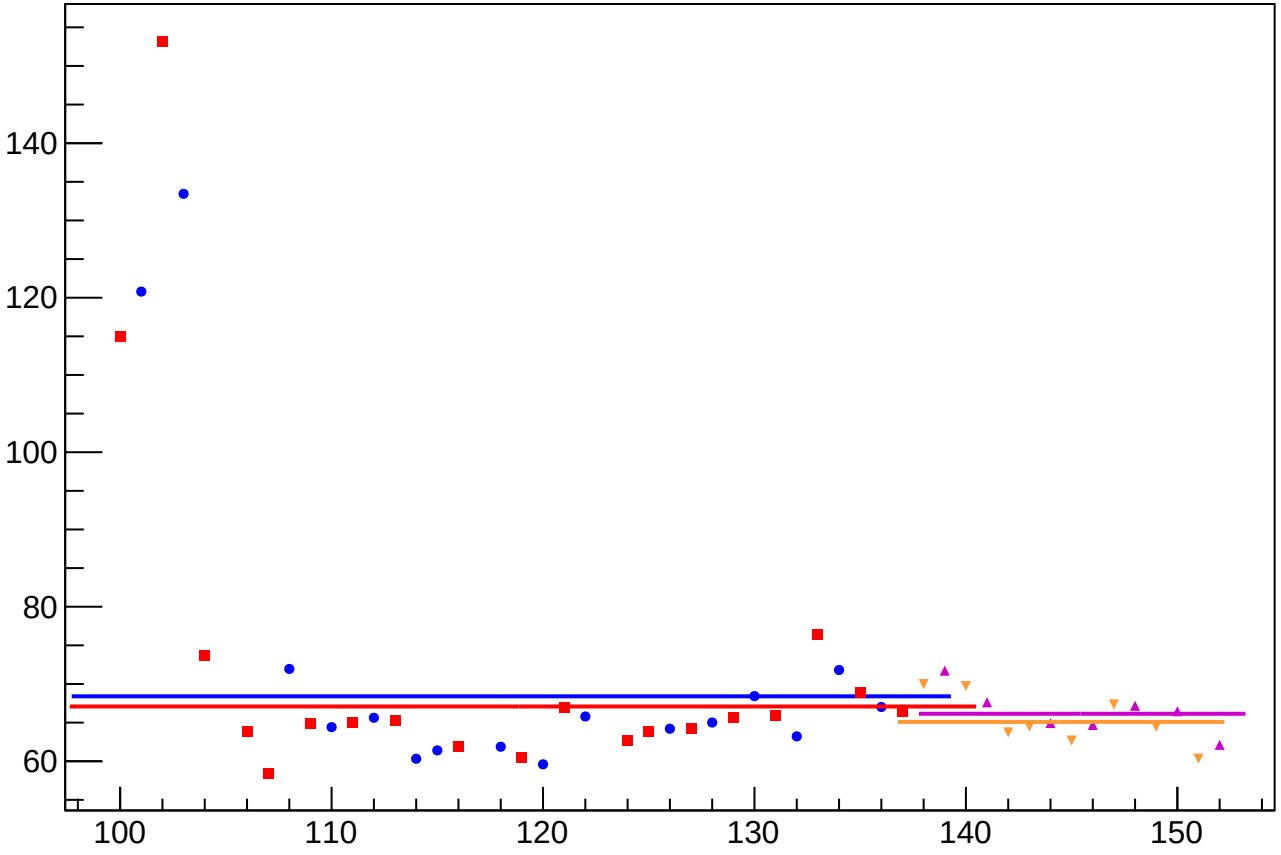
Left In: -165.154+/-26.755 χ^2/NDF:5.4/6

+ sign 41.635+/-18.475 χ^2/NDF: 49.0/23

All: -10.487+/-13.004 χ^2/NDF: 129.5/49

- sign -61.667+/-18.308 χ^2/NDF: 64.7/25

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 65.090+/-0.019 χ^2/NDF:30524.2/7

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

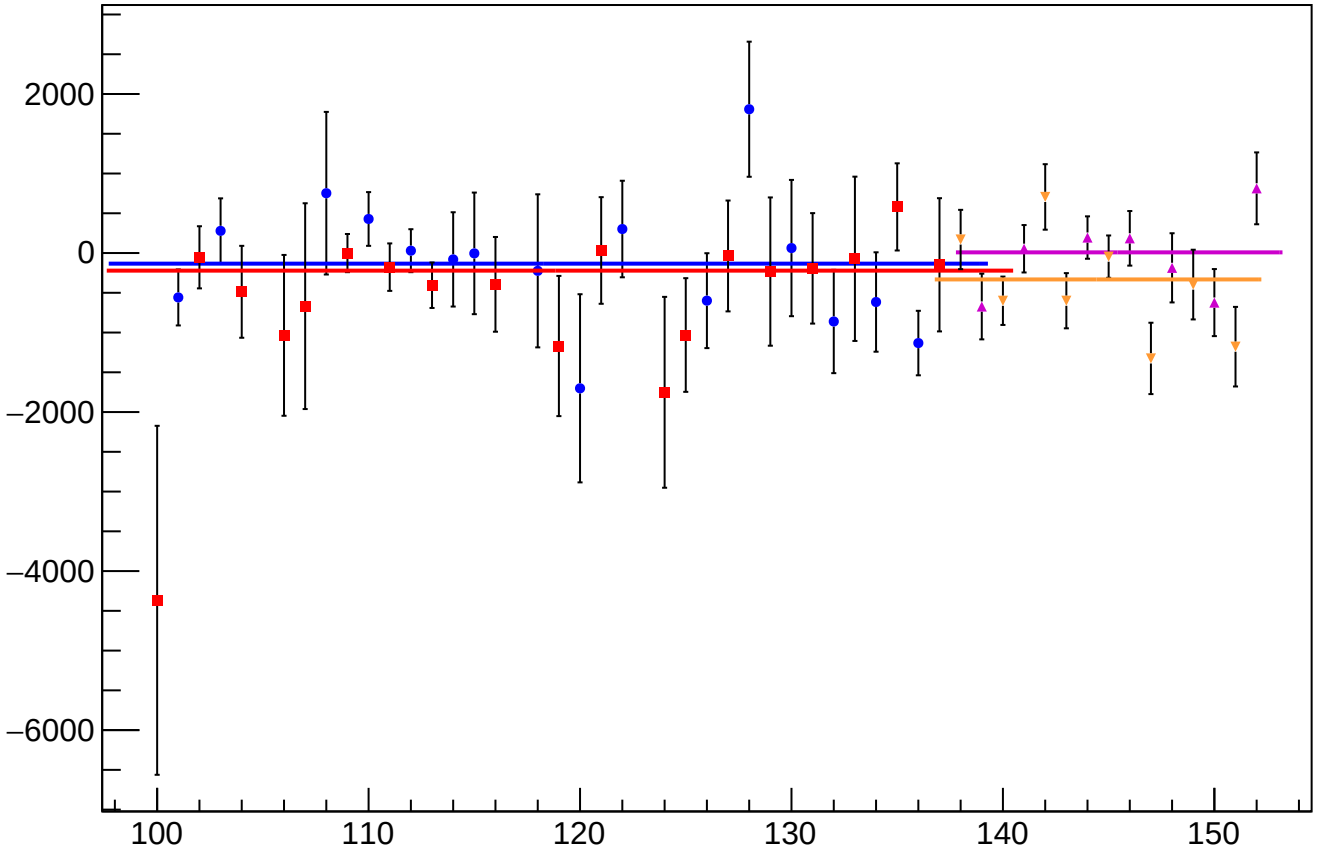
Left In: 66.143+/-0.019 χ^2/NDF:20287.3/6

+ sign 66.756+/-0.013 χ^2/NDF: 616161.4/23

All: 66.700+/-0.009 χ^2/NDF: 1119622.4/49

- sign 66.644+/-0.013 χ^2/NDF: 503423.9/25

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -332.087+/-128.593 χ^2/NDF:18.5/7

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

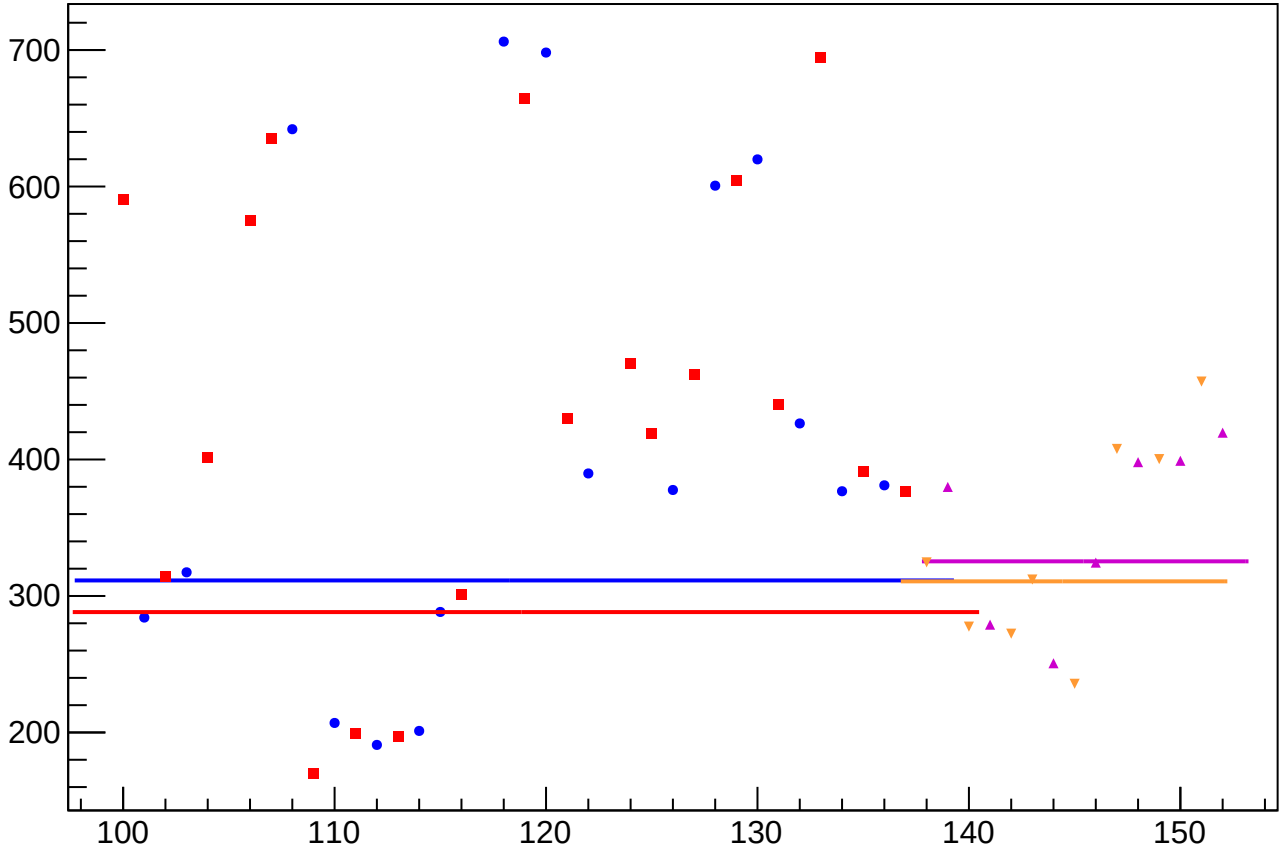
Left In: 8.357+/-134.283 χ^2/NDF:9.1/6

+ sign -230.741+/-89.963 χ^2/NDF: 42.2/23

All: -175.231+/-63.107 χ^2/NDF: 66.2/49

- sign -121.454+/-88.547 χ^2/NDF: 23.3/25

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 310.722+/-0.091 χ^2/NDF:550997.3/7

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

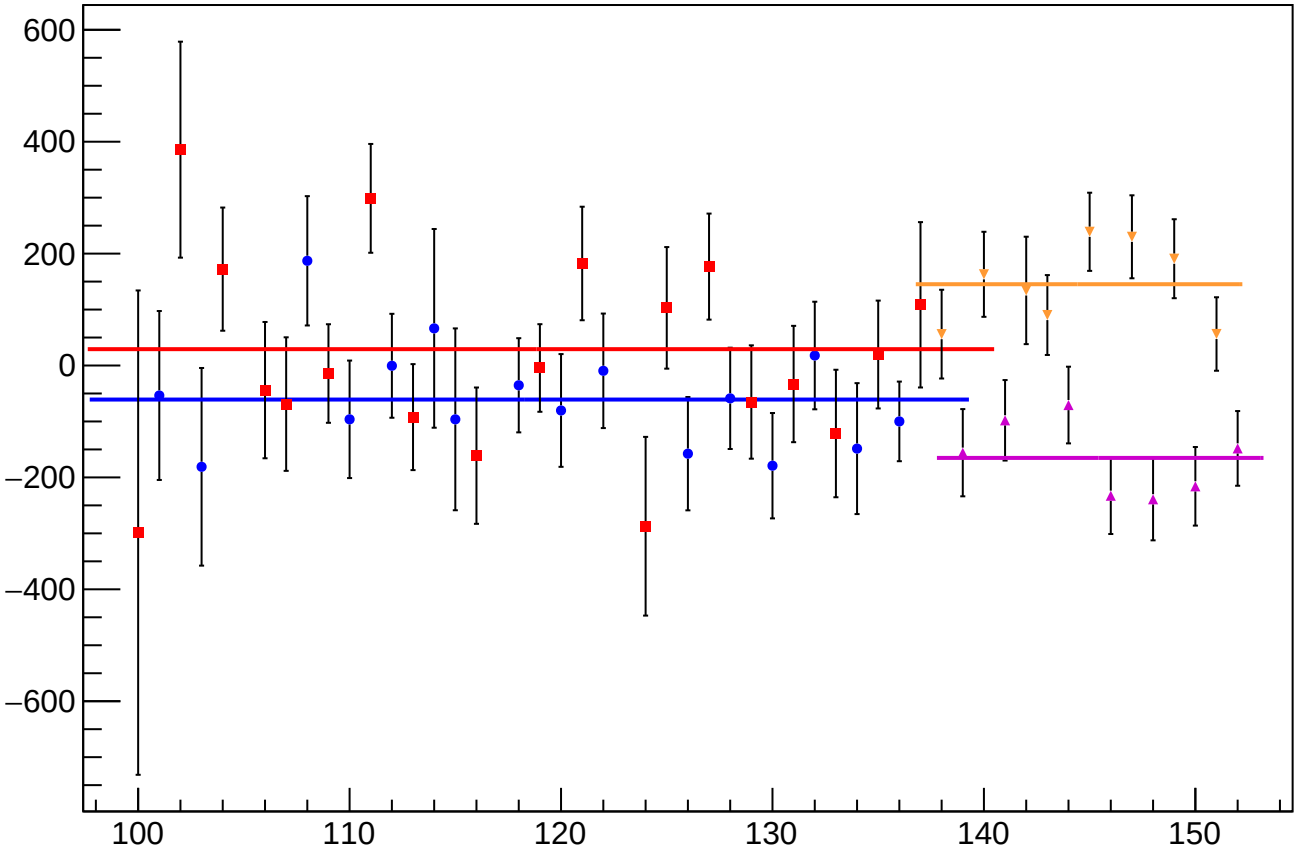
Left In: 325.381+/-0.095 χ^2/NDF:443975.5/6

+ sign 311.061+/-0.064 χ^2/NDF: 2674822.2/23

All: 307.662+/-0.045 χ^2/NDF: 5926436.6/49

- sign 304.370+/-0.063 χ^2/NDF: 3245994.9/25

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 145.298+/-26.203 χ^2/NDF:7.3/7

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

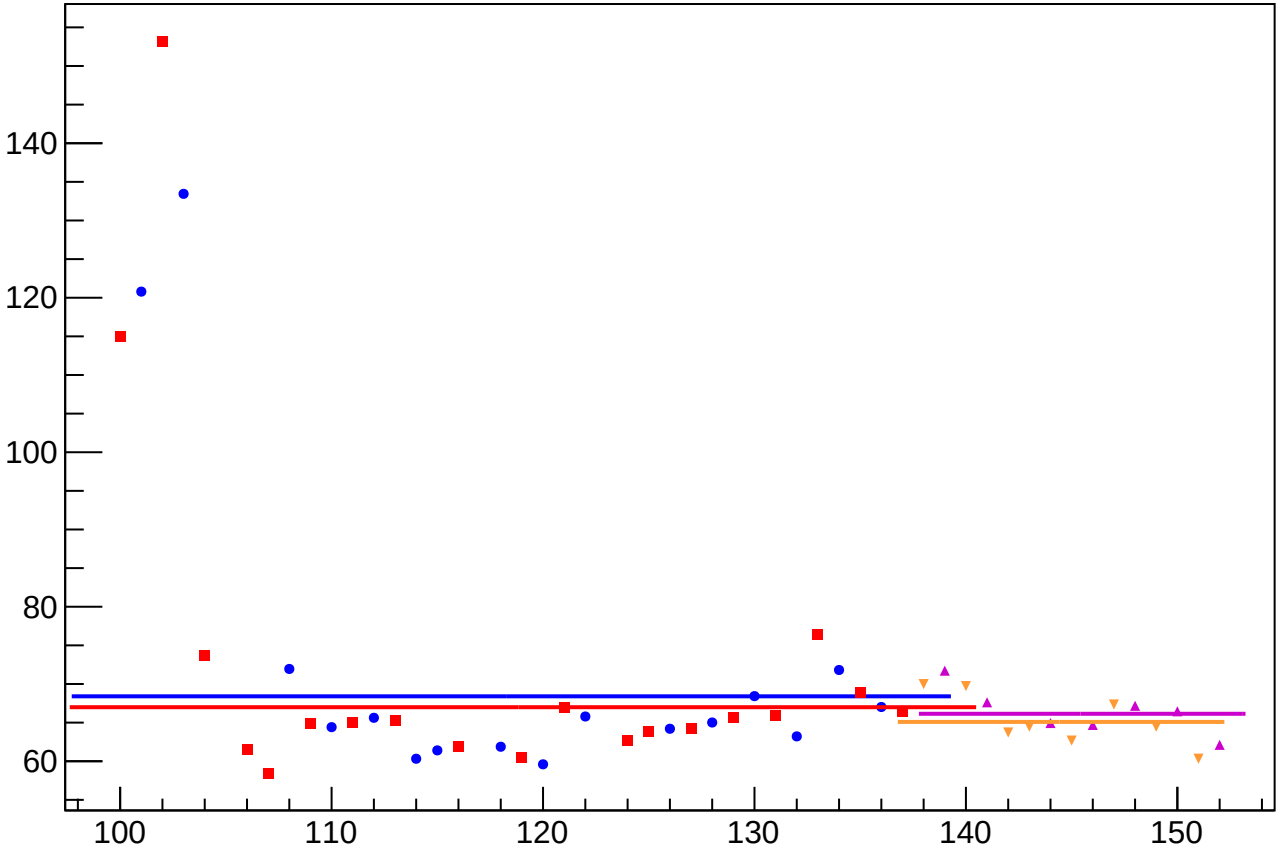
Left In: -165.154+/-26.755 χ^2/NDF:5.4/6

+ sign 41.635+/-18.475 χ^2/NDF: 49.0/23

All: -10.582+/-13.010 χ^2/NDF: 129.5/49

- sign -61.936+/-18.322 χ^2/NDF: 64.7/25

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 65.090+/-0.019 χ^2/NDF:30524.2/7

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

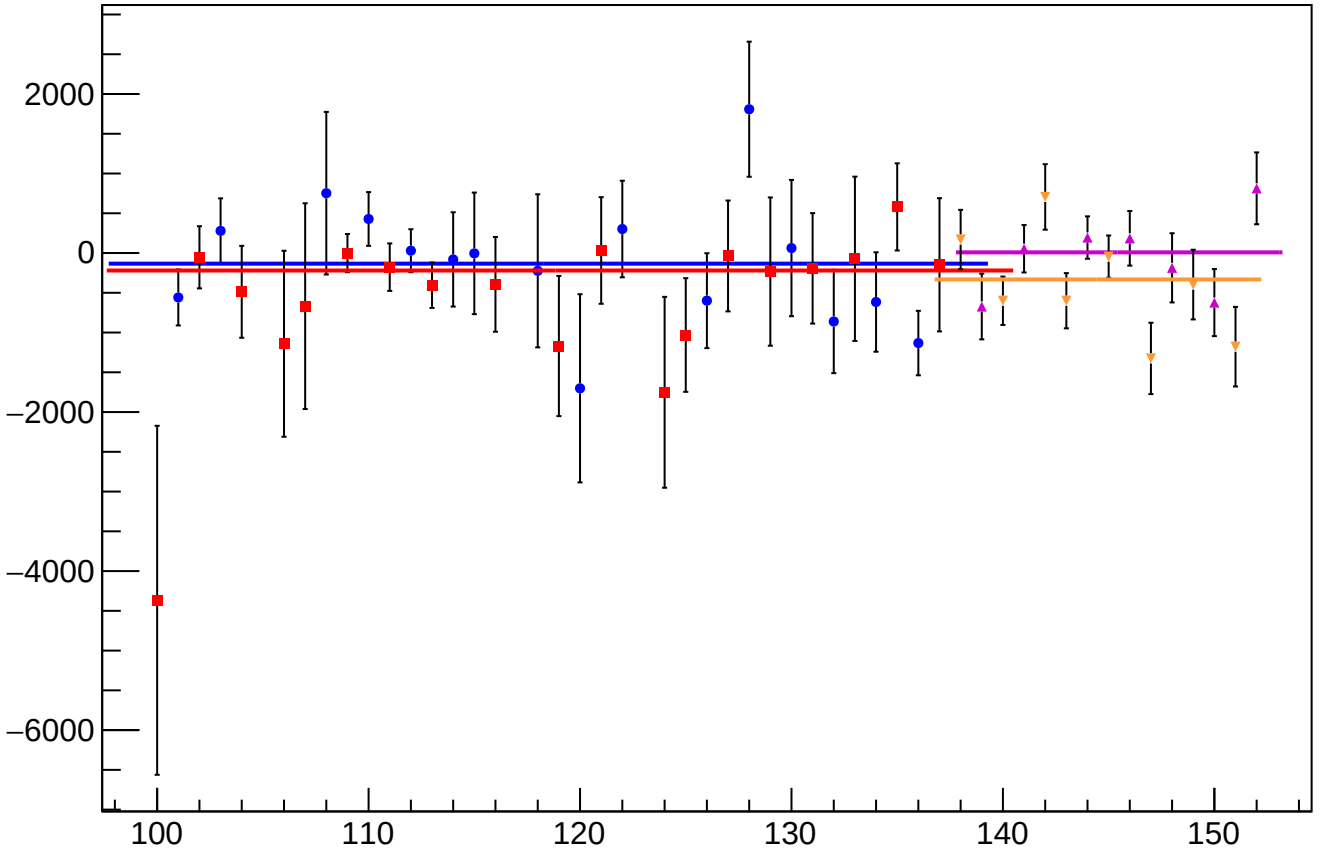
Left In: 66.143+/-0.019 χ^2/NDF:20287.3/6

+ sign 66.756+/-0.013 χ^2/NDF: 616161.8/23

All: 66.675+/-0.009 χ^2/NDF: 1122090.4/49

- sign 66.595+/-0.013 χ^2/NDF: 505852.0/25

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -332.084+/-128.593 χ^2/NDF:18.5/7

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

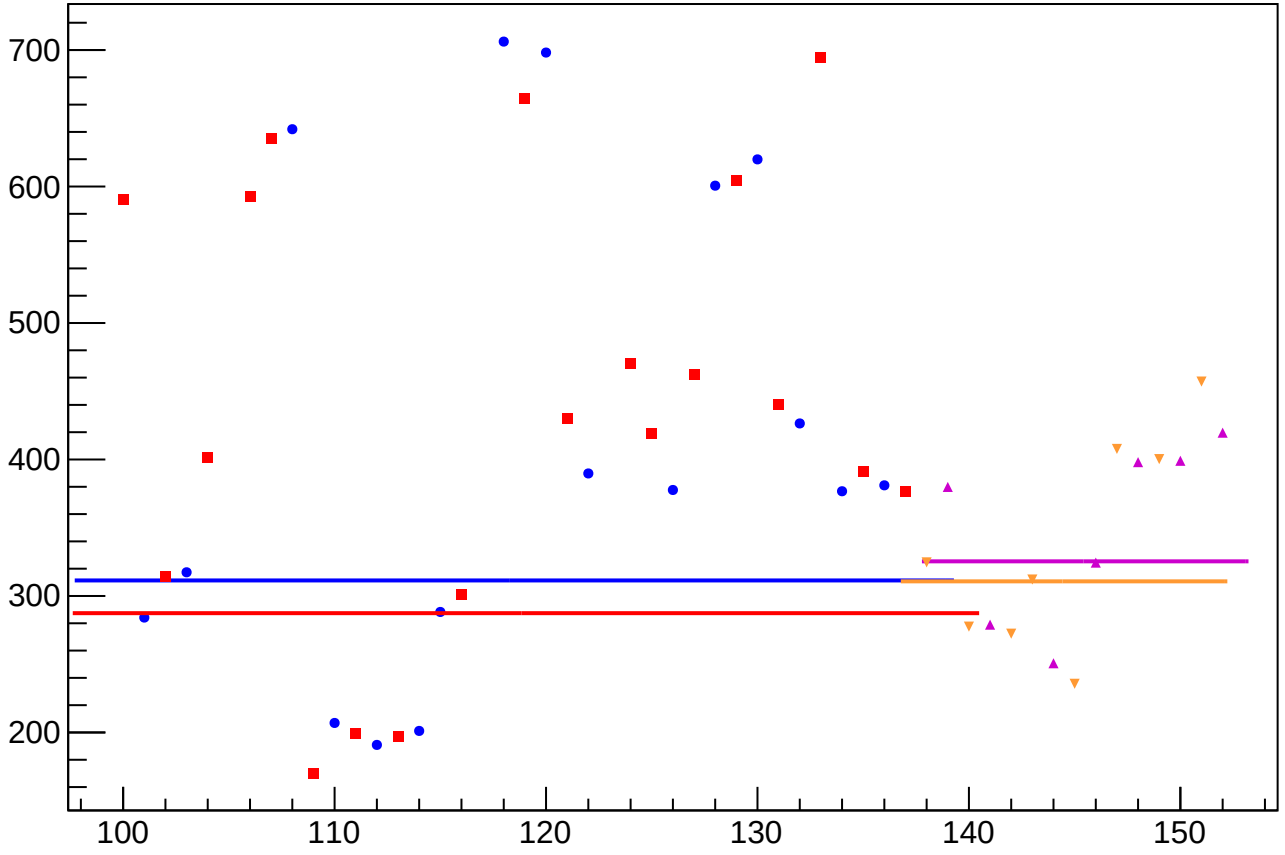
Left In: 8.360+/-134.283 χ^2/NDF:9.1/6

+ sign -230.739+/-89.963 χ^2/NDF: 42.2/23

All: -174.693+/-63.139 χ^2/NDF: 66.2/49

- sign -120.291+/-88.635 χ^2/NDF: 23.3/25

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 310.721+/-0.091 χ^2/NDF:550999.4/7

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

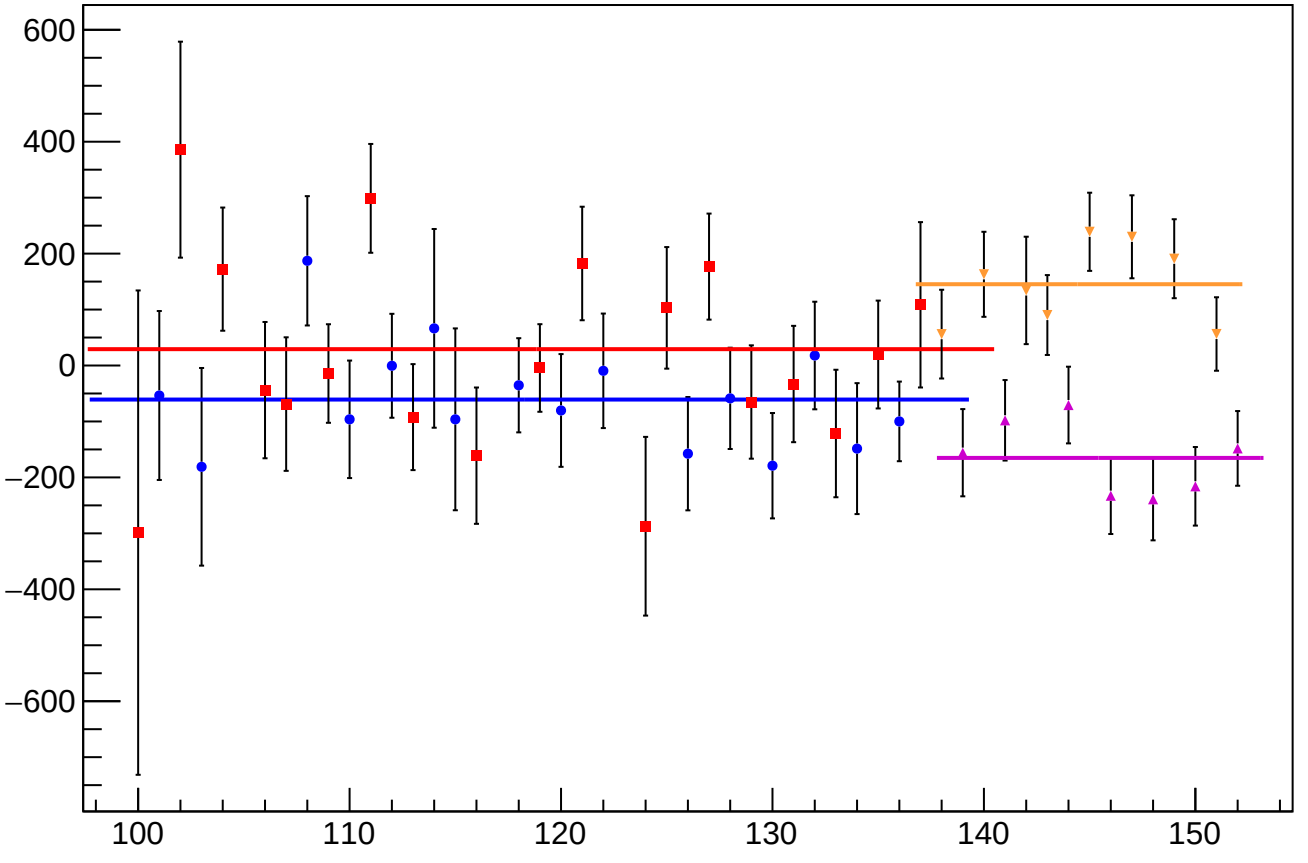
Left In: 325.382+/-0.095 χ^2/NDF:443975.4/6

+ sign 311.062+/-0.064 χ^2/NDF: 2674825.9/23

All: 307.456+/-0.045 χ^2/NDF: 5905624.1/49

- sign 303.955+/-0.063 χ^2/NDF: 3224465.3/25

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 145.298+/-26.203 χ^2/NDF:7.3/7

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

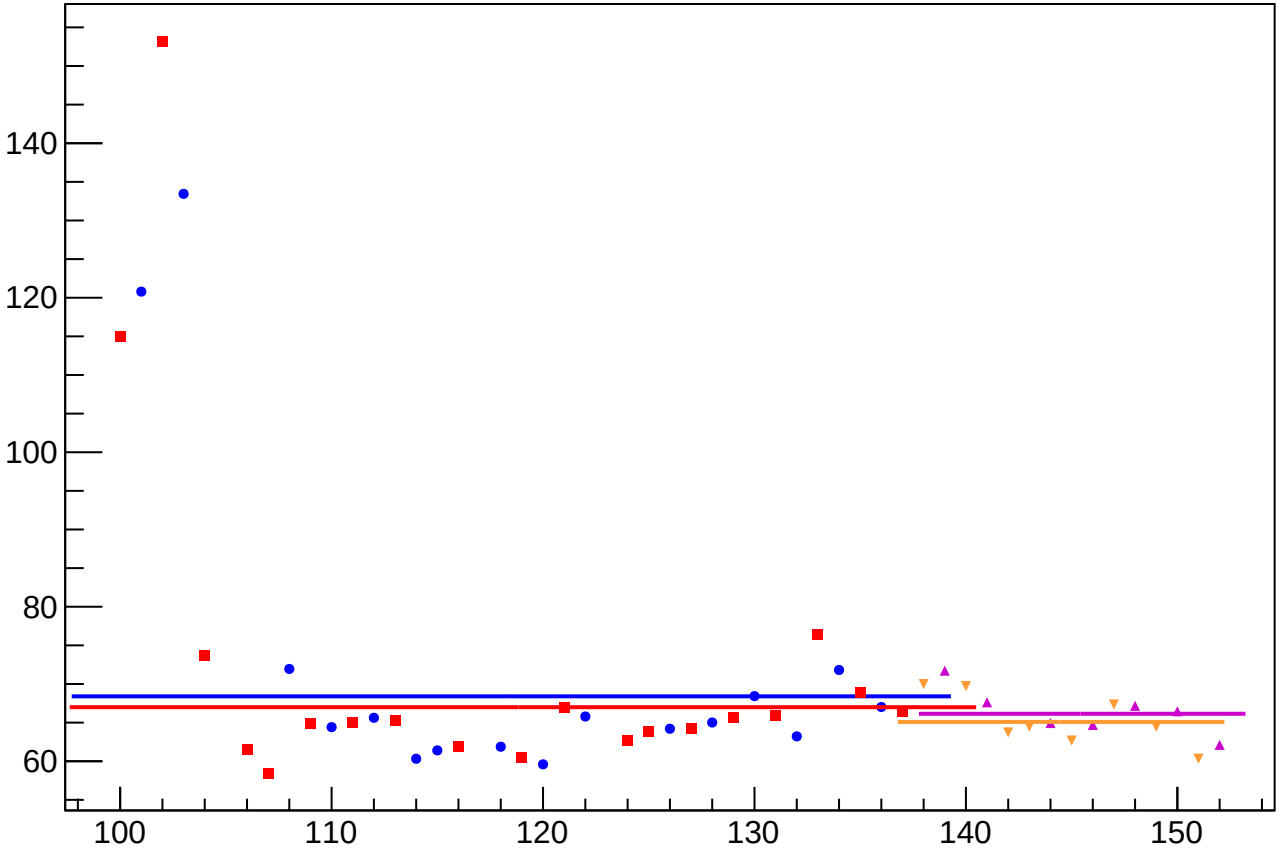
Left In: -165.154+/-26.755 χ^2/NDF:5.4/6

+ sign 41.635+/-18.475 χ^2/NDF: 49.0/23

All: -10.582+/-13.010 χ^2/NDF: 129.5/49

- sign -61.936+/-18.322 χ^2/NDF: 64.7/25

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 65.090+/-0.019 χ^2/NDF:30524.2/7

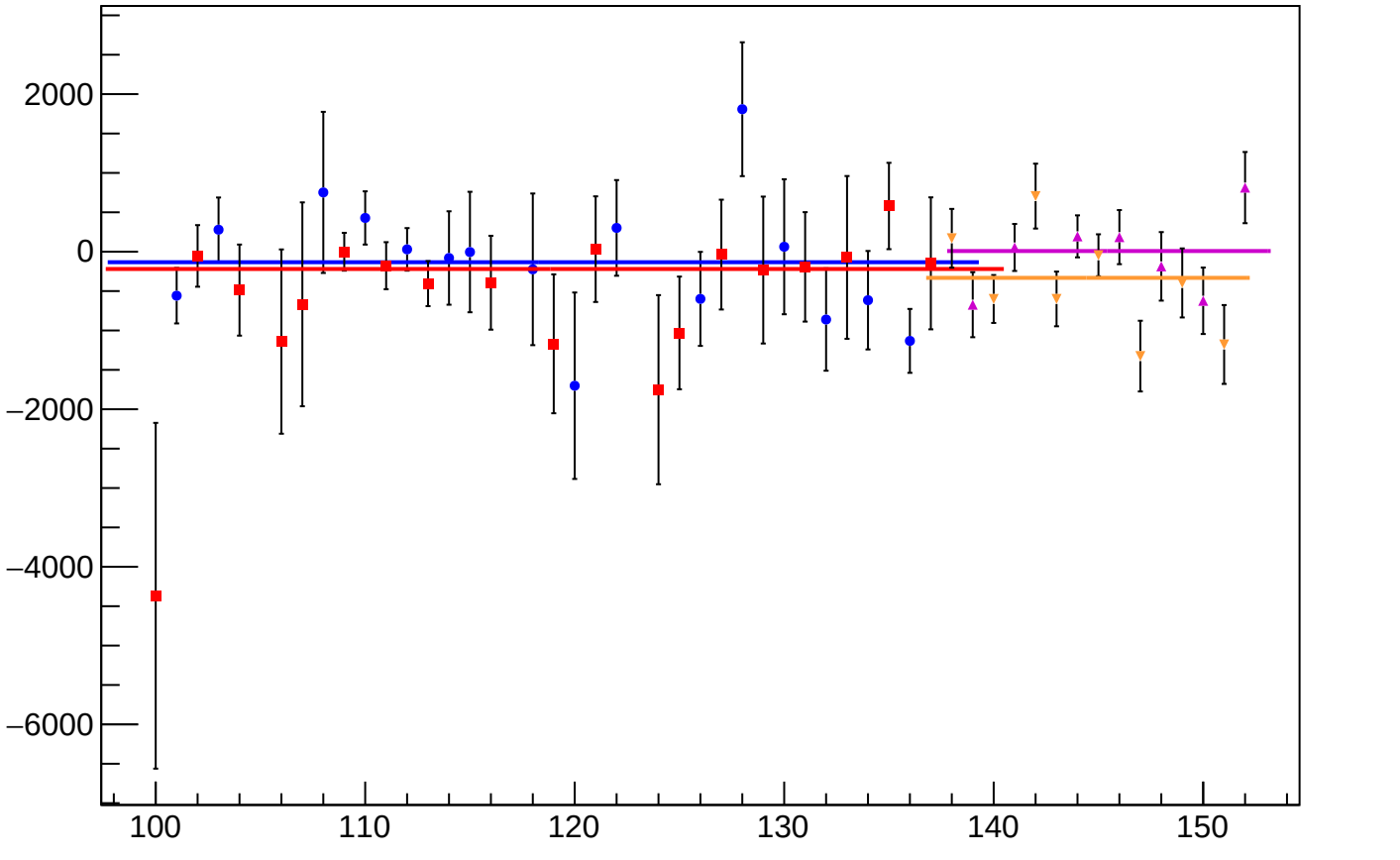
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.143+/-0.019 χ^2/NDF:20287.3/6

+ sign 66.756+/-0.013 χ^2/NDF: 616161.8/23

All: 66.675+/-0.009 χ^2/NDF: 1122090.4/49

- sign 66.595+/-0.013 χ^2/NDF: 505852.0/25



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -332.084+/-128.593 χ^2/NDF:18.5/7

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

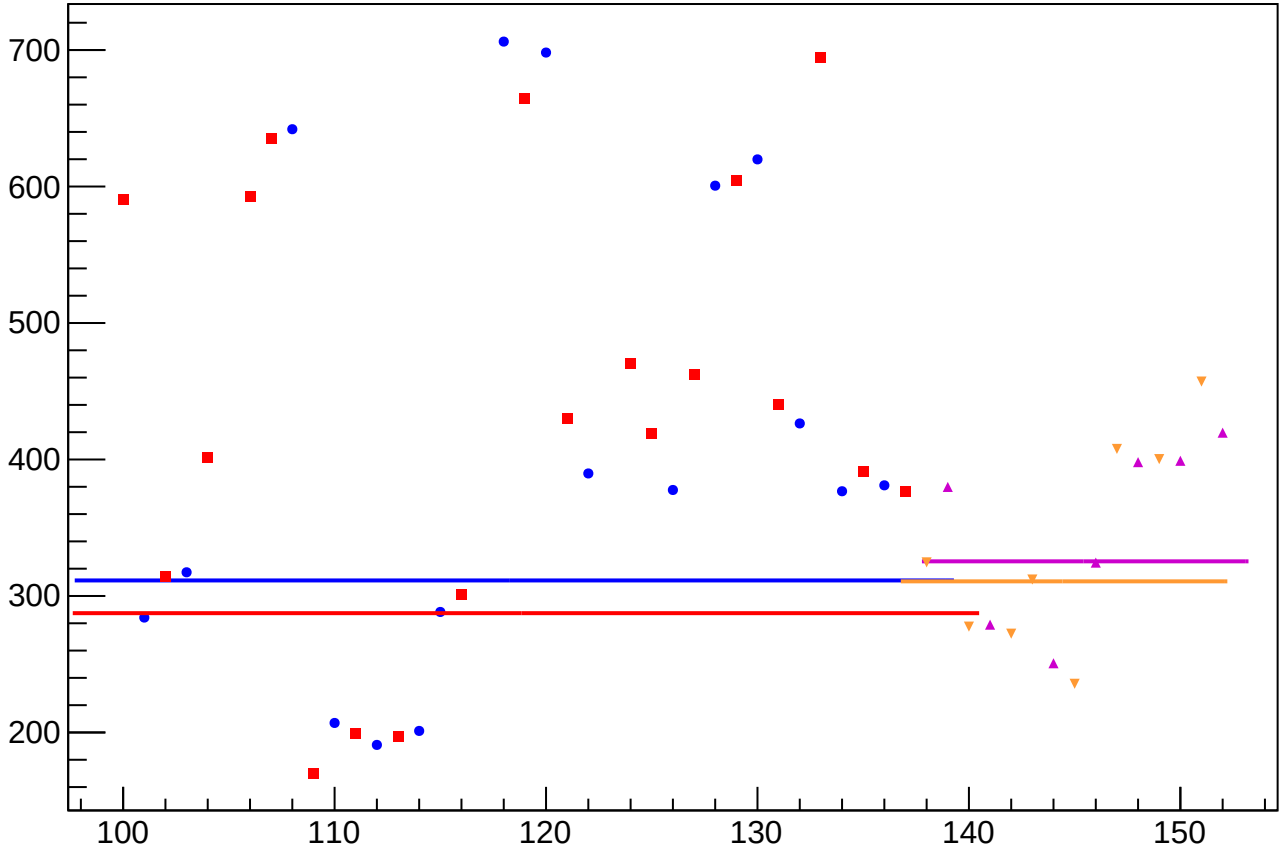
Left In: 8.360+/-134.283 χ^2/NDF:9.1/6

+ sign -230.739+/-89.963 χ^2/NDF: 42.2/23

All: -174.693+/-63.139 χ^2/NDF: 66.2/49

- sign -120.291+/-88.635 χ^2/NDF: 23.3/25

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 310.721+/-0.091 χ^2/NDF:550999.4/7

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

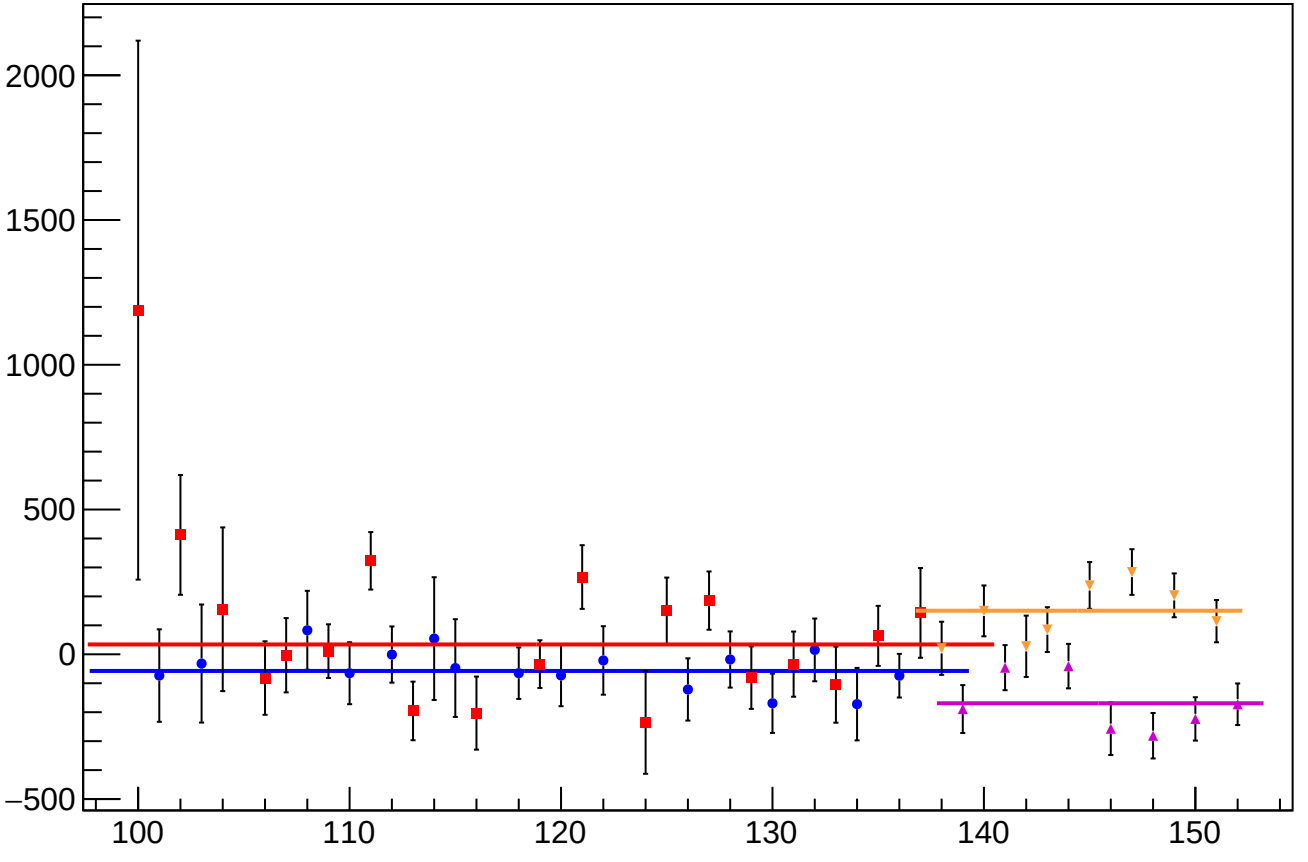
Left In: 325.382+/-0.095 χ^2/NDF:443975.4/6

+ sign 311.062+/-0.064 χ^2/NDF: 2674825.9/23

All: 307.456+/-0.045 χ^2/NDF: 5905624.1/49

- sign 303.955+/-0.063 χ^2/NDF: 3224465.3/25

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 150.536+/-29.103 χ^2/NDF:8.8/7

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

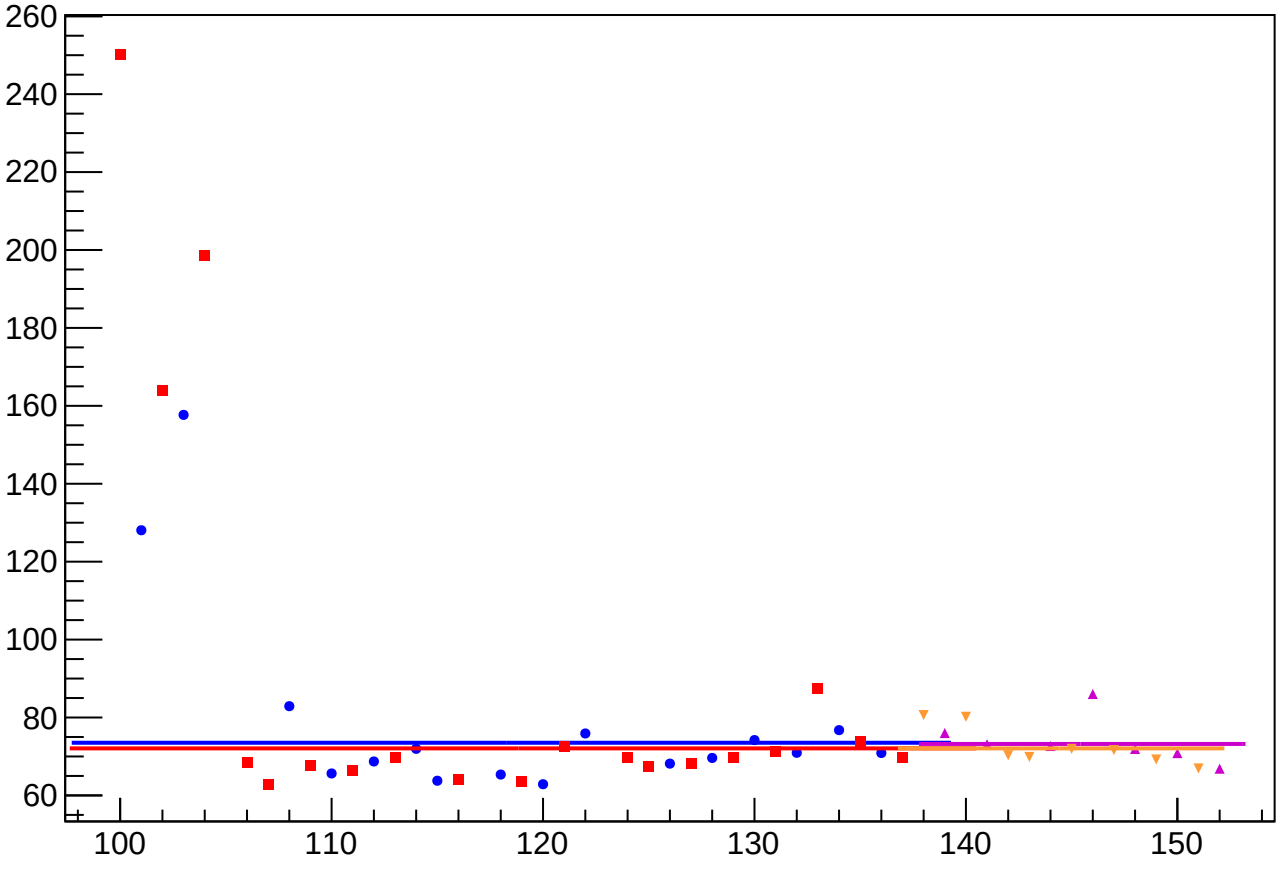
Left In: -169.123+/-29.677 χ^2/NDF:8.8/6

+ sign 42.806+/-20.210 χ^2/NDF: 40.2/23

All: -8.520+/-14.263 χ^2/NDF: 124.3/49

- sign -59.445+/-20.131 χ^2/NDF: 71.3/25

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 72.071+/-0.021 χ^2/NDF:49447.7/7

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

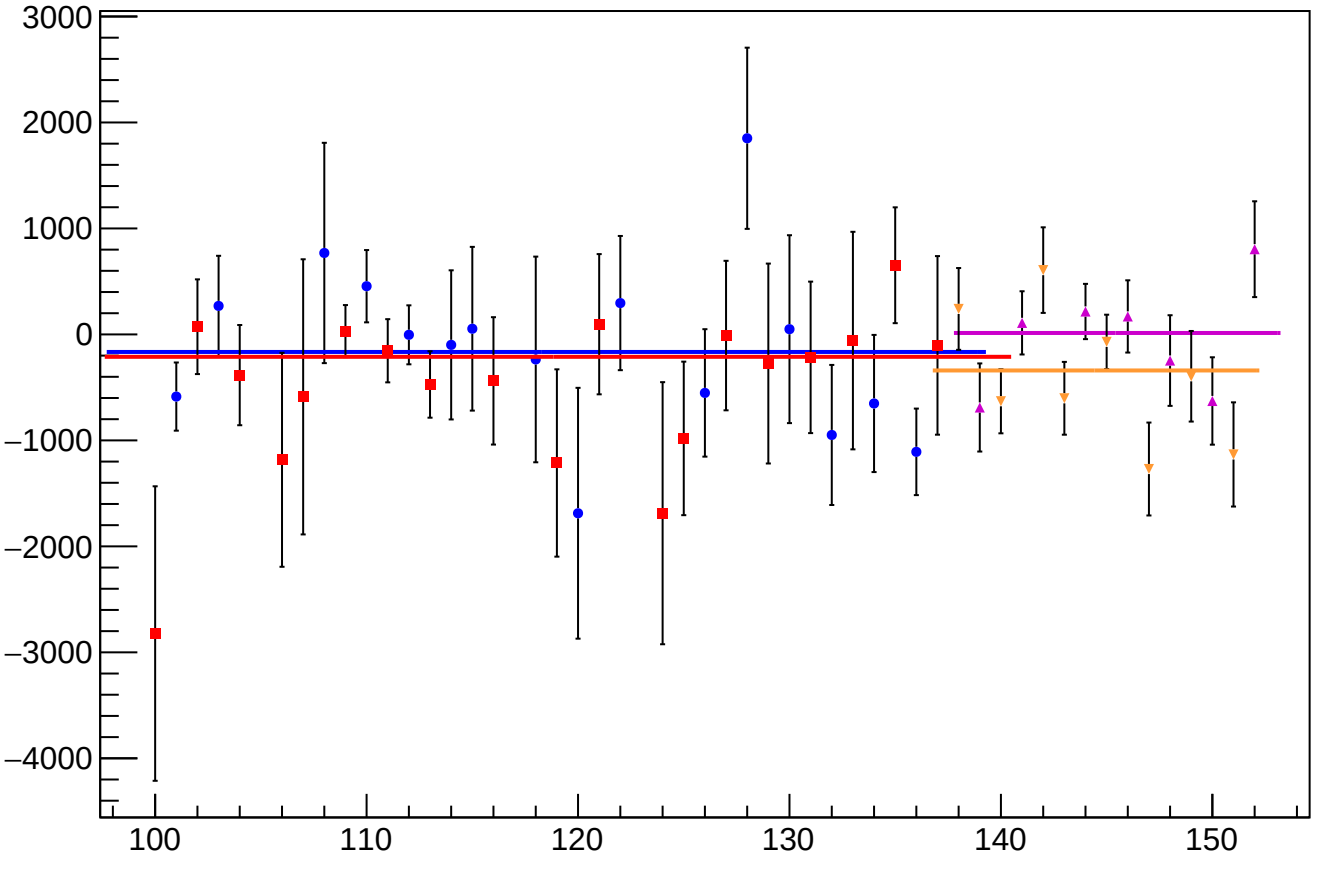
Left In: 73.212+/-0.021 χ^2/NDF:60223.0/6

\+ sign 72.821+/-0.014 χ^2/NDF: 708857.4/23

All: 72.709+/-0.010 χ^2/NDF: 1729285.0/49

\- sign 72.597+/-0.014 χ^2/NDF: 1020304.8/25

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -340.157+/-126.728 χ^2/NDF:17.5/7

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

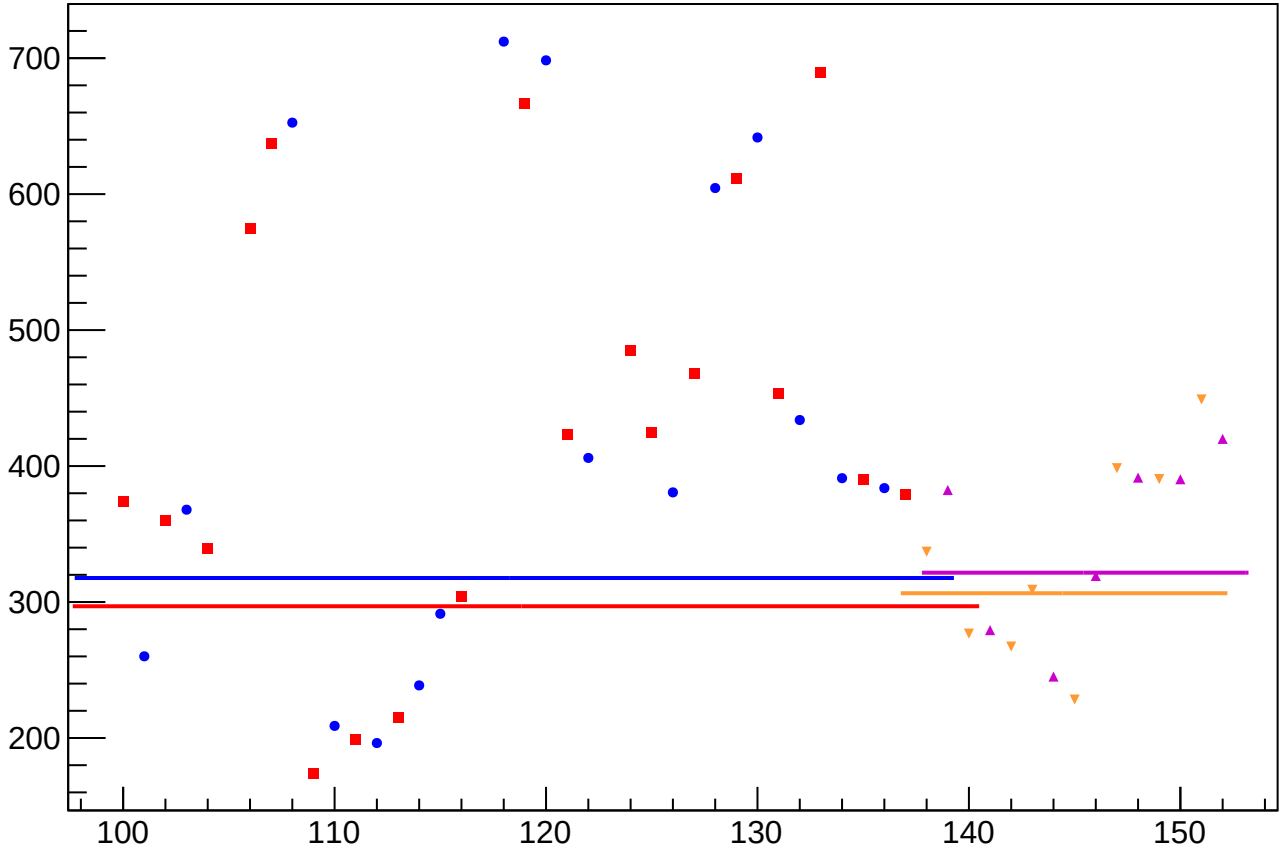
Left In: 13.580+/-132.940 χ^2/NDF:9.6/6

+ sign -253.998+/-90.209 χ^2/NDF: 41.1/23

All: -181.256+/-63.401 χ^2/NDF: 67.2/49

- sign -110.248+/-89.127 χ^2/NDF: 24.8/25

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 306.461+/-0.090 χ^2/NDF:570239.4/7

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

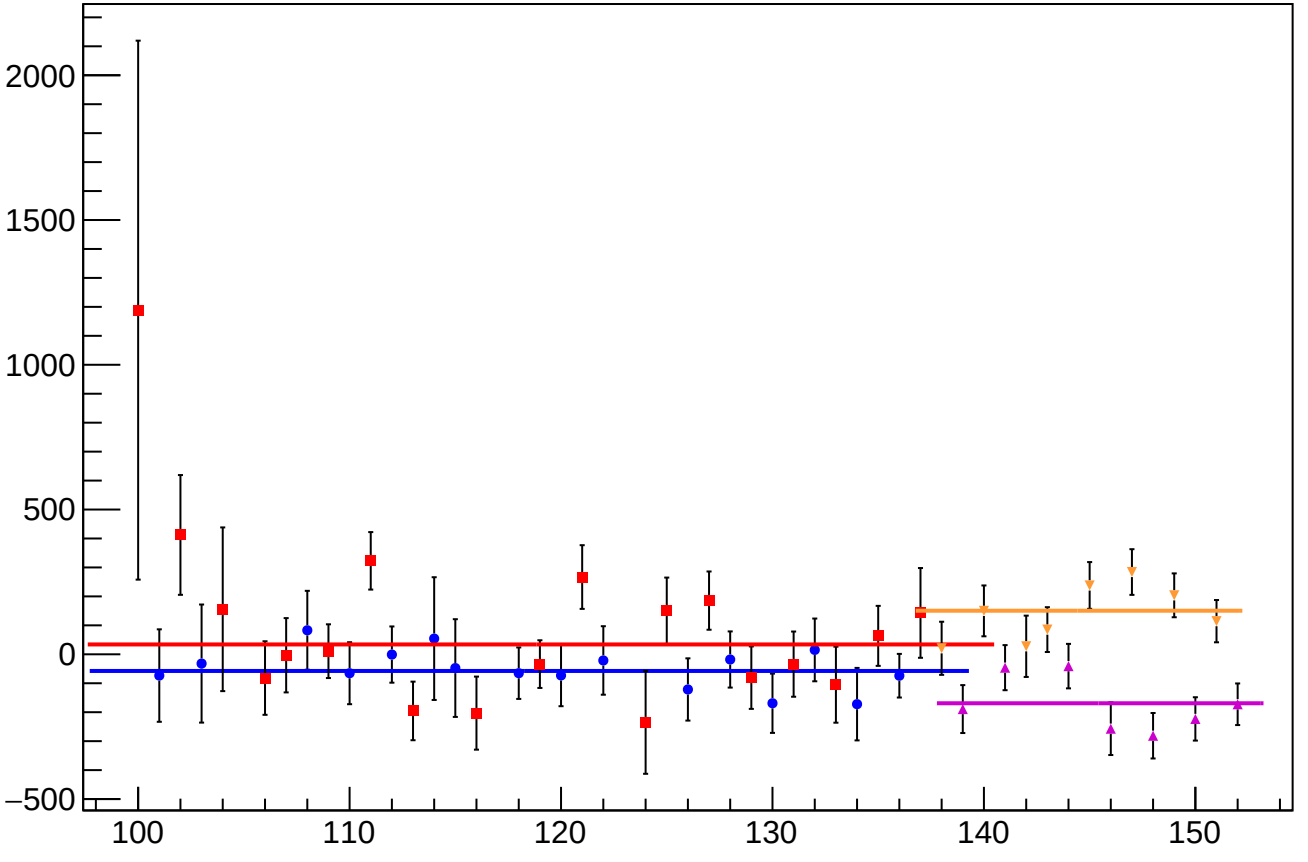
Left In: 321.591+/-0.094 χ^2/NDF:458422.2/6

+ sign 311.987+/-0.064 χ^2/NDF: 2714142.7/23

All: 309.965+/-0.045 χ^2/NDF: 5753608.4/49

- sign 307.991+/-0.063 χ^2/NDF: 3037479.9/25

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 150.534+/-29.103 χ^2/NDF:8.8/7

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

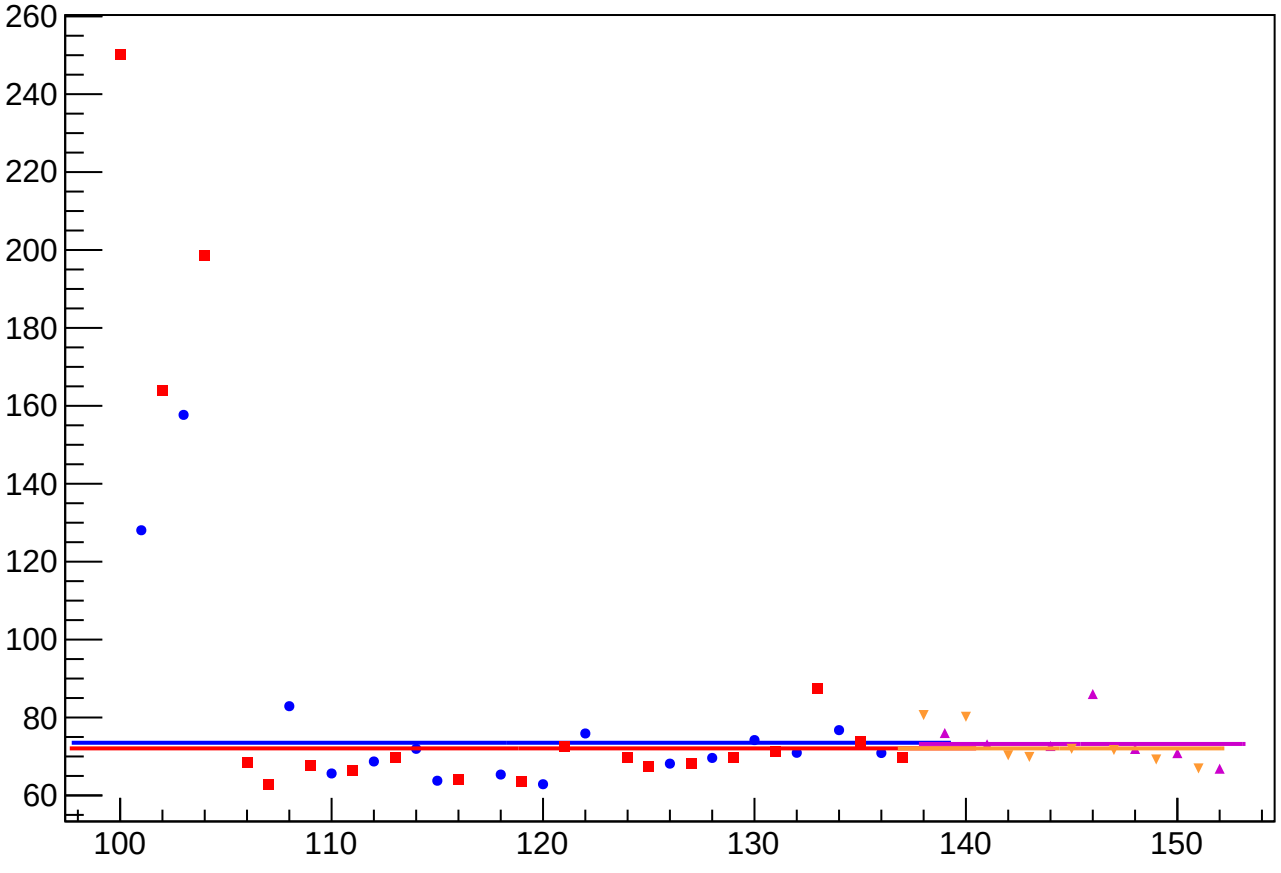
Left In: -169.123+/-29.677 χ^2/NDF:8.8/6

+ sign 42.805+/-20.210 χ^2/NDF: 40.2/23

All: -8.520+/-14.263 χ^2/NDF: 124.3/49

- sign -59.444+/-20.131 χ^2/NDF: 71.3/25

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 72.071+/-0.021 χ^2/NDF:49447.8/7

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

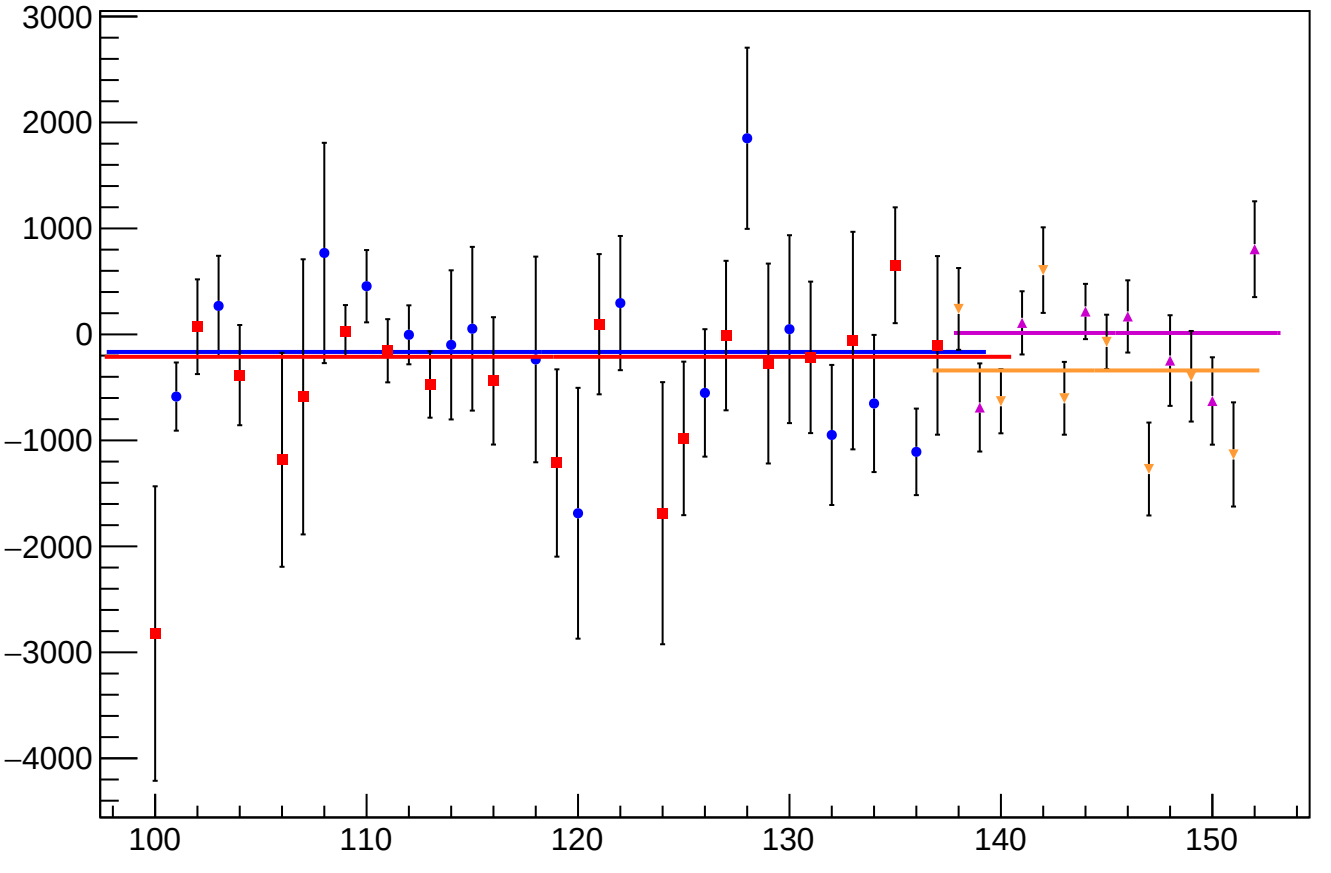
Left In: 73.212+/-0.021 χ^2/NDF:60223.6/6

\+ sign 72.821+/-0.014 χ^2/NDF: 708858.7/23

All: 72.709+/-0.010 χ^2/NDF: 1729288.5/49

\- sign 72.597+/-0.014 χ^2/NDF: 1020307.1/25

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -340.158+/-126.728 χ^2/NDF:17.5/7

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

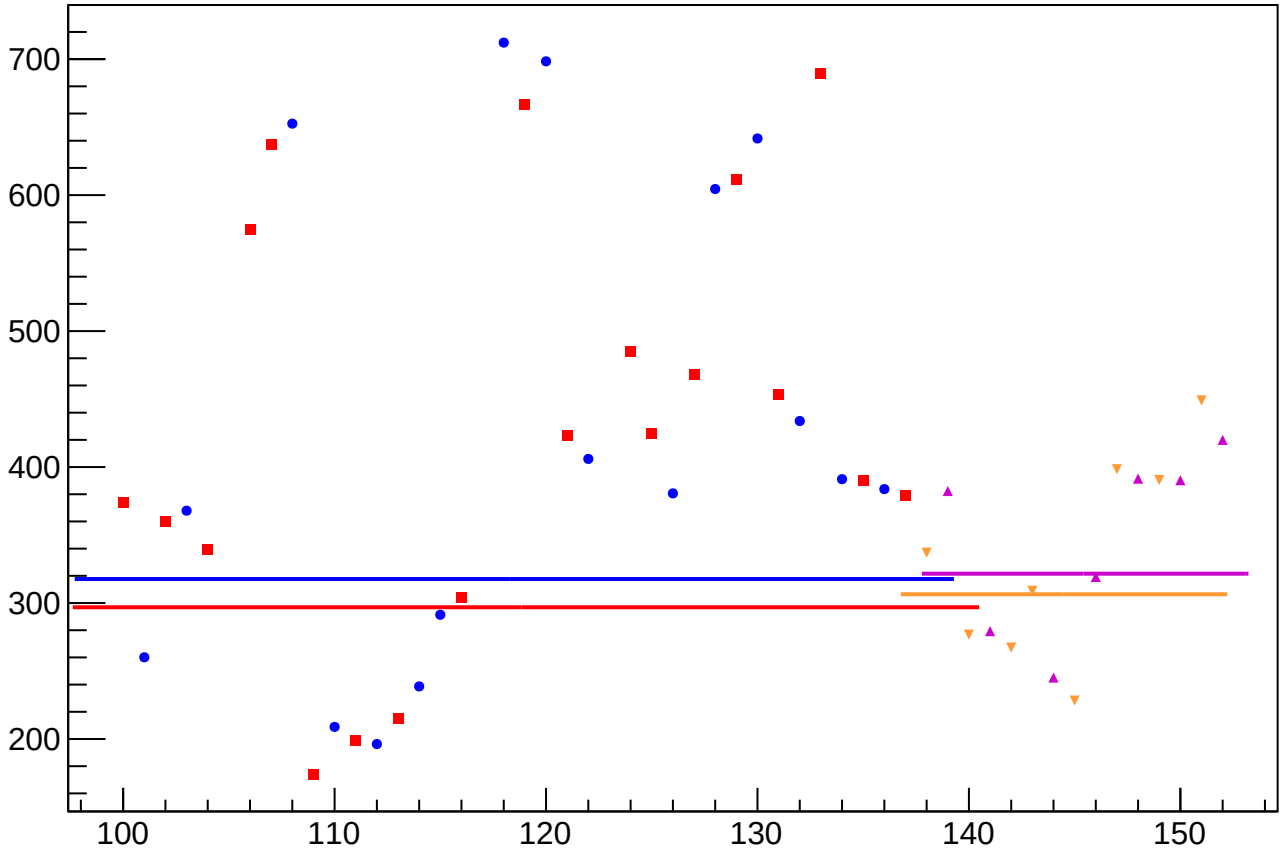
Left In: 13.580+/-132.940 χ^2/NDF:9.6/6

+ sign -253.998+/-90.208 χ^2/NDF: 41.1/23

All: -181.256+/-63.401 χ^2/NDF: 67.2/49

- sign -110.248+/-89.127 χ^2/NDF: 24.8/25

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 306.460+/-0.090 χ^2/NDF:570248.2/7

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

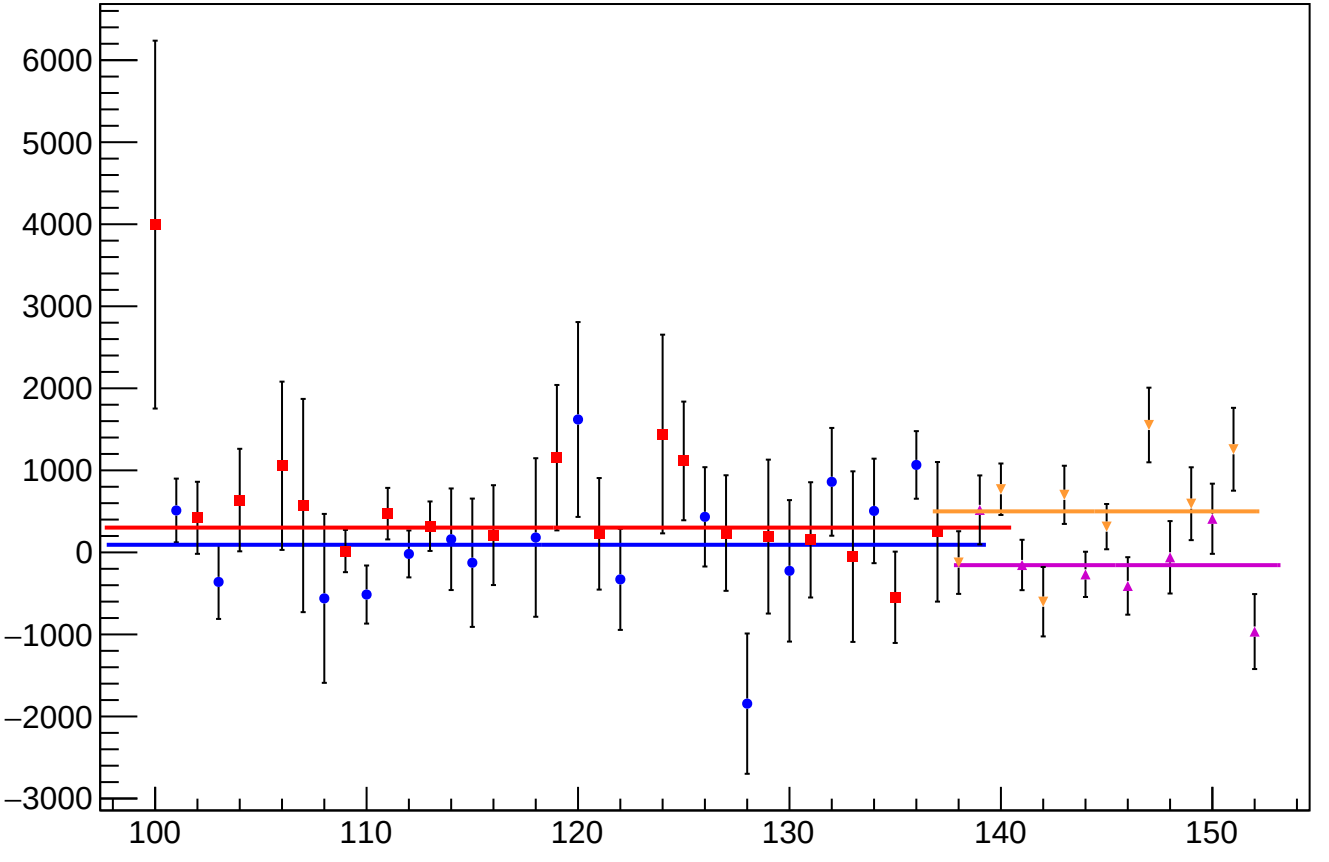
Left In: 321.591+/-0.094 χ^2/NDF:458428.1/6

+ sign 311.986+/-0.064 χ^2/NDF: 2714180.4/23

All: 309.964+/-0.045 χ^2/NDF: 5753666.8/49

- sign 307.990+/-0.063 χ^2/NDF: 3037501.0/25

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 500.078+/-131.847 χ^2/NDF:18.6/7

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

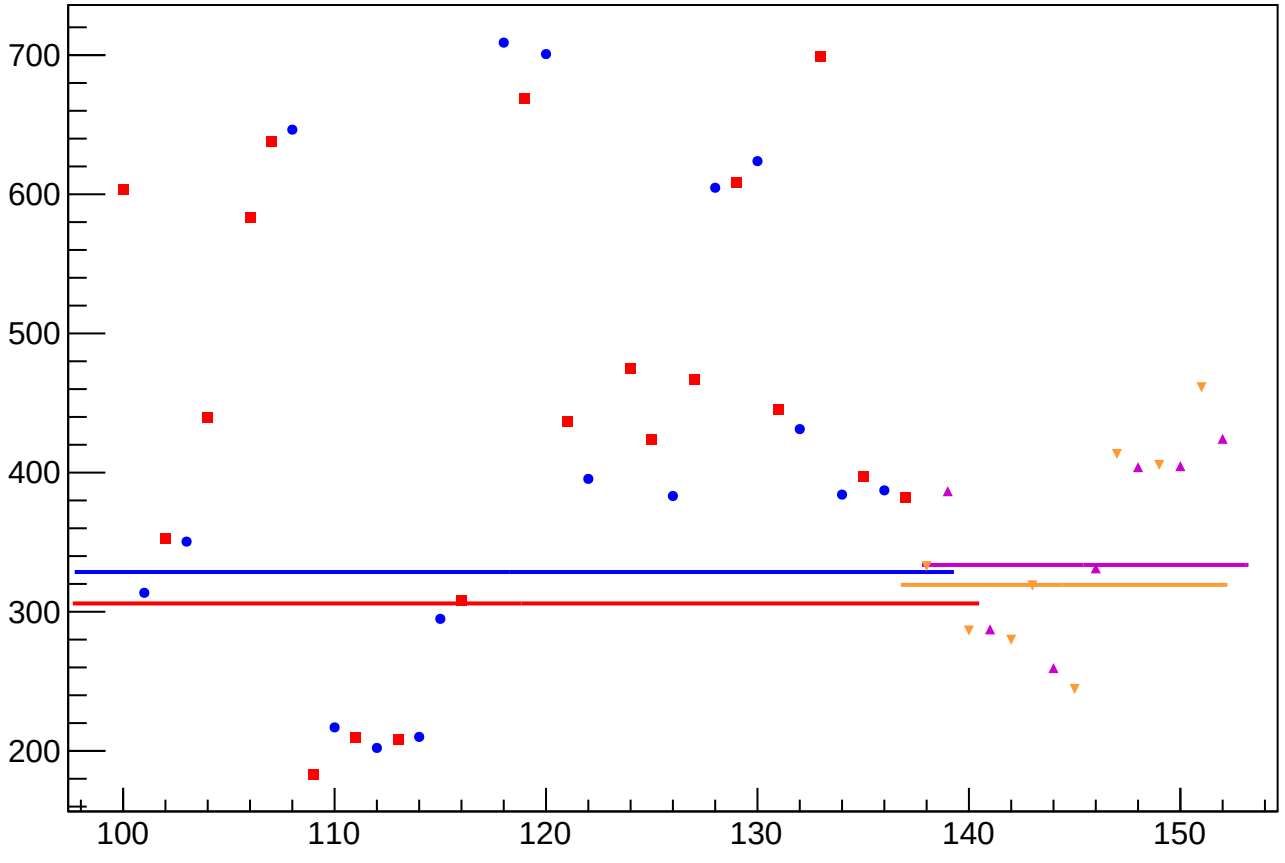
Left In: -155.523+/-137.425 χ^2/NDF:8.2/6

+ sign 296.565+/-93.258 χ^2/NDF: 44.2/23

All: 195.446+/-65.504 χ^2/NDF: 71.6/49

- sign 96.976+/-92.029 χ^2/NDF: 25.1/25

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 319.327+/-0.093 χ^2/NDF:507977.8/7

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

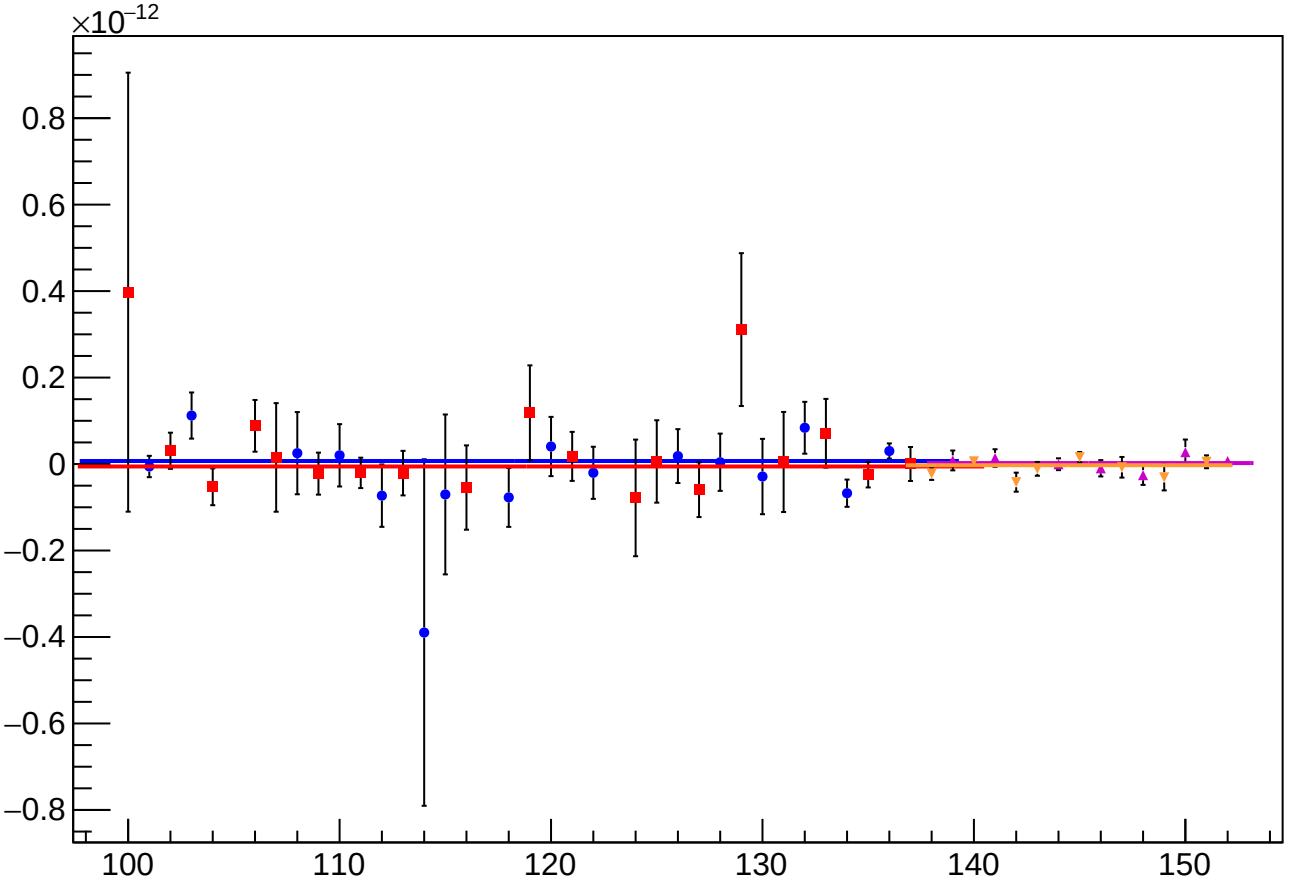
Left In: 333.622+/-0.097 χ^2/NDF:406324.4/6

+ sign 323.944+/-0.066 χ^2/NDF: 2471758.7/23

All: 321.125+/-0.046 χ^2/NDF: 5453754.8/49

- sign 318.380+/-0.065 χ^2/NDF: 2978389.5/25

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.5/7

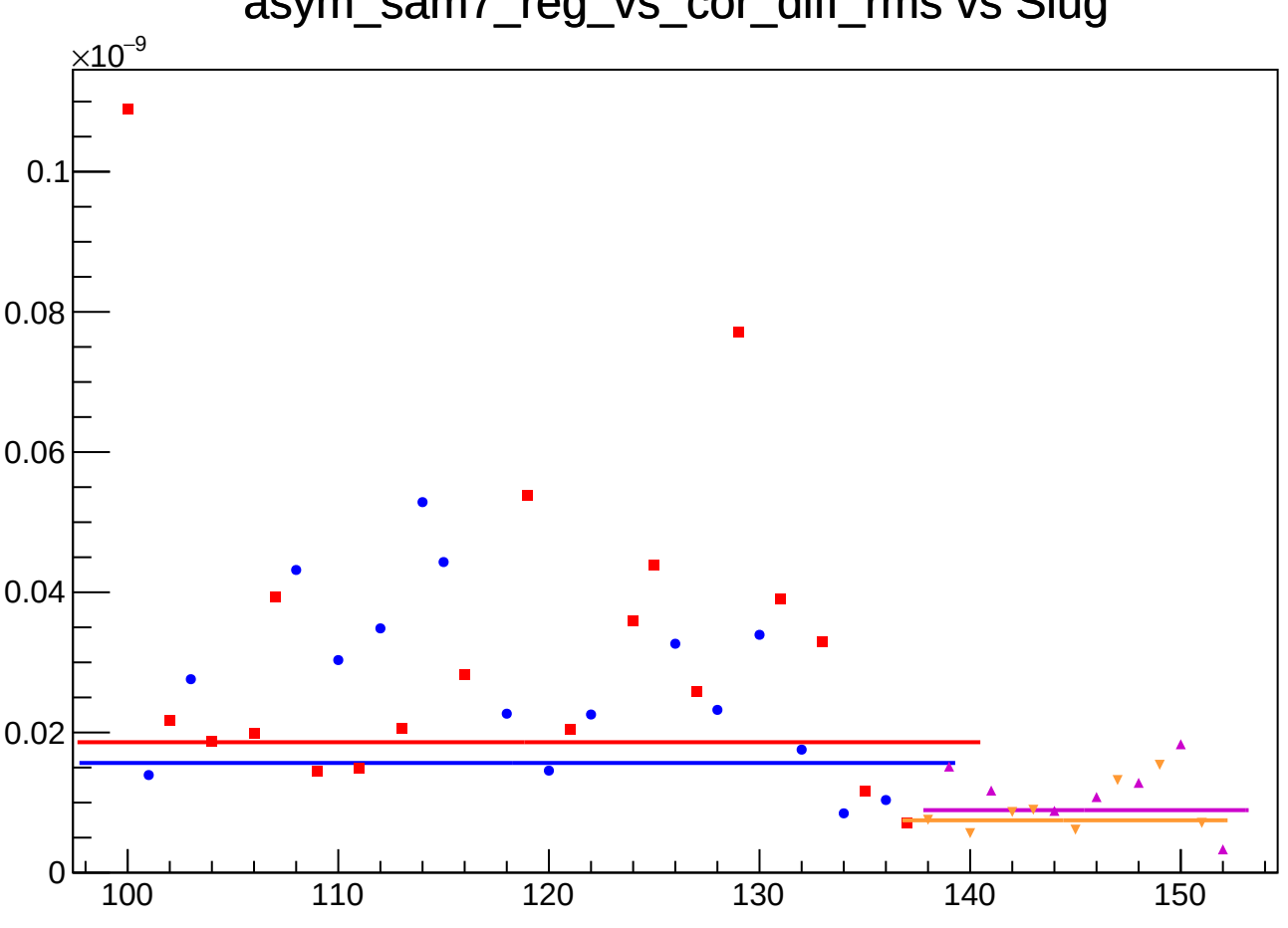
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/23

All: -0.000+/-0.000 χ^2/NDF: 44.3/49

- sign 0.000+/-0.000 χ^2/NDF: 16.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:363145.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

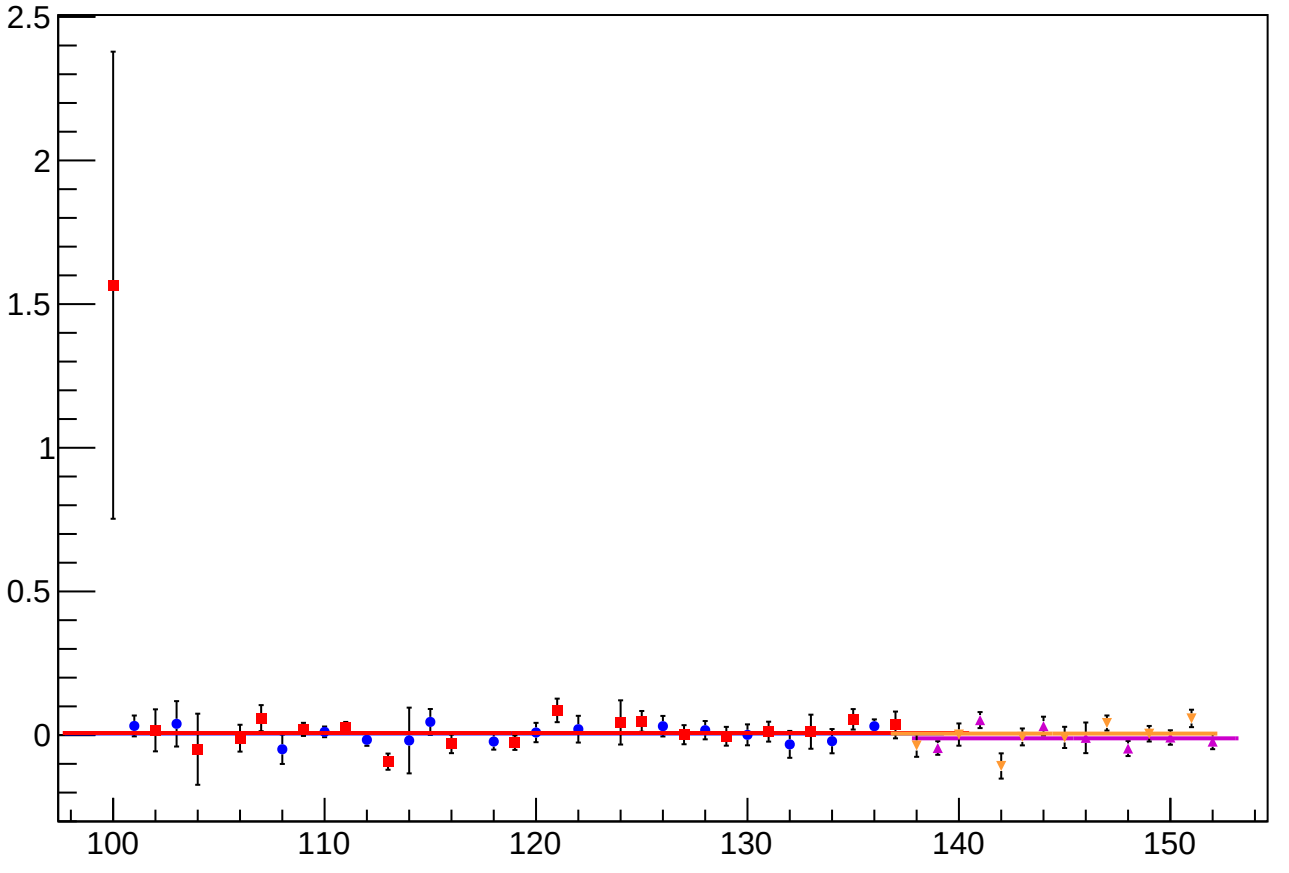
Left In: 0.000+/-0.000 χ^2/NDF:939682.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 2423225.1/23

All: 0.000+/-0.000 χ^2/NDF: 5612660.1/49

- sign 0.000+/-0.000 χ^2/NDF: 3071130.7/25

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.005+/-0.011 χ^2/NDF:13.0/7

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

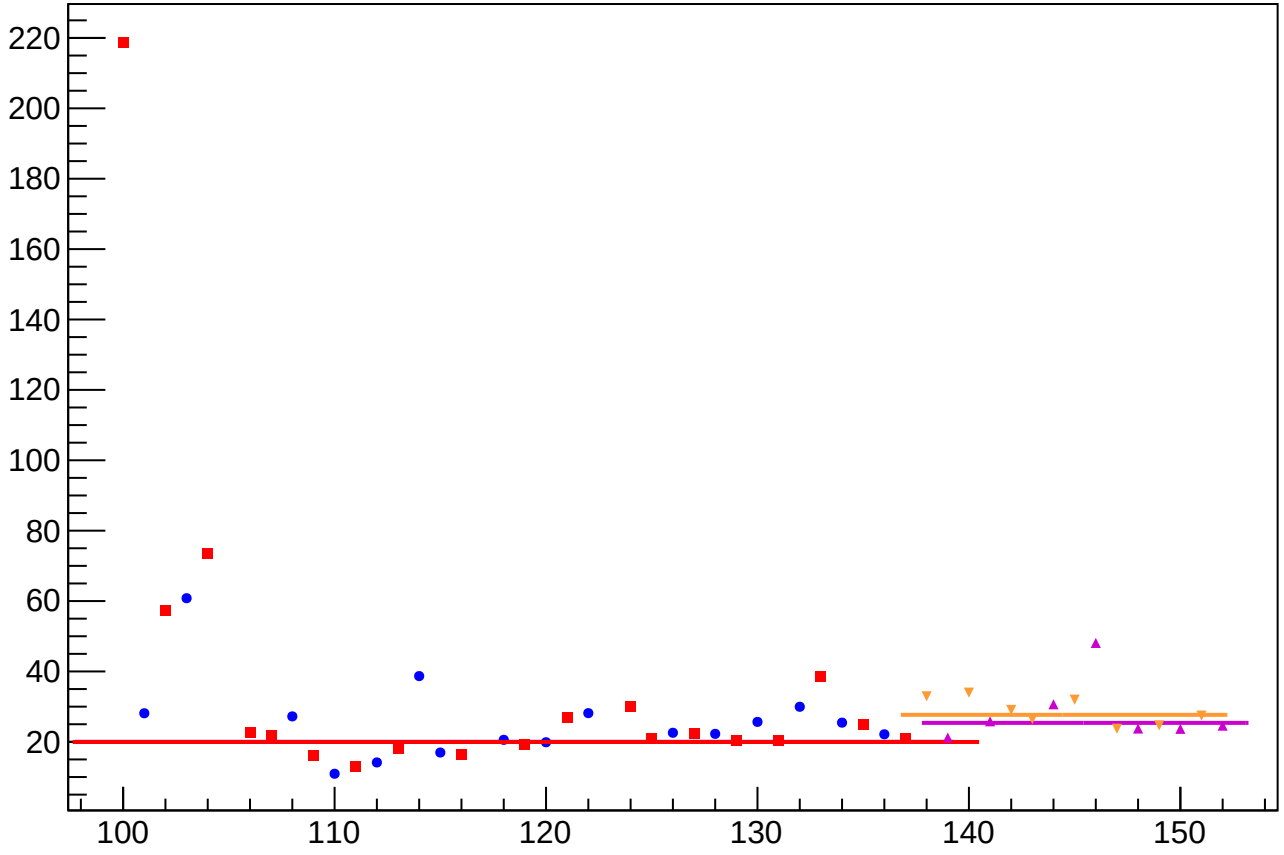
Left In: -0.011+/-0.011 χ^2/NDF:10.9/6

+ sign 0.006+/-0.007 χ^2/NDF: 20.8/23

All: 0.003+/-0.005 χ^2/NDF: 63.7/49

- sign 0.001+/-0.006 χ^2/NDF: 42.6/25

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 27.674+/-0.008 χ^2/NDF:191213.0/7

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

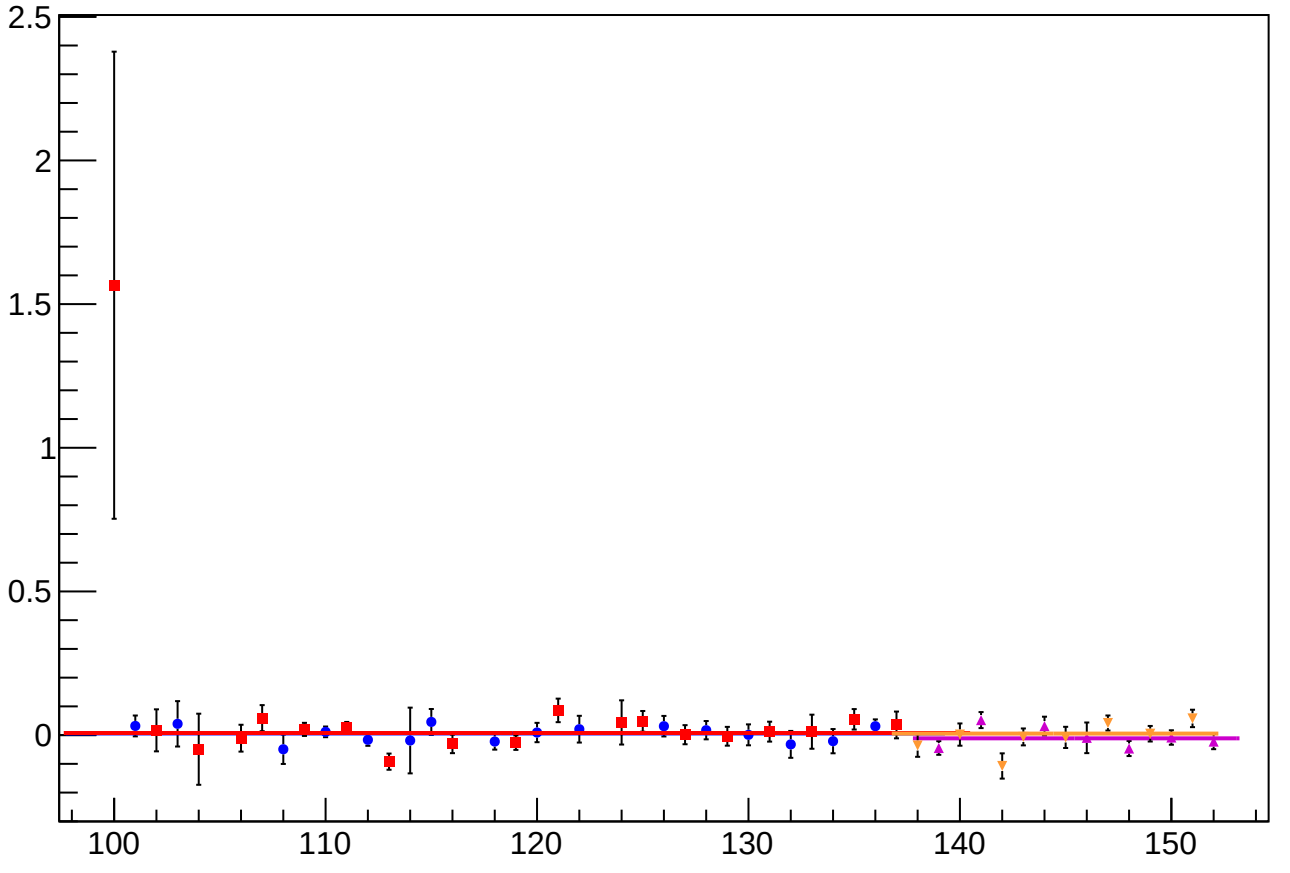
Left In: 25.389+/-0.008 χ^2/NDF:495195.5/6

+ sign 22.587+/-0.005 χ^2/NDF: 2427797.1/23

All: 22.256+/-0.003 χ^2/NDF: 4977780.4/49

- sign 21.945+/-0.005 χ^2/NDF: 2540369.7/25

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.005+/-0.011 χ^2/NDF:13.0/7

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

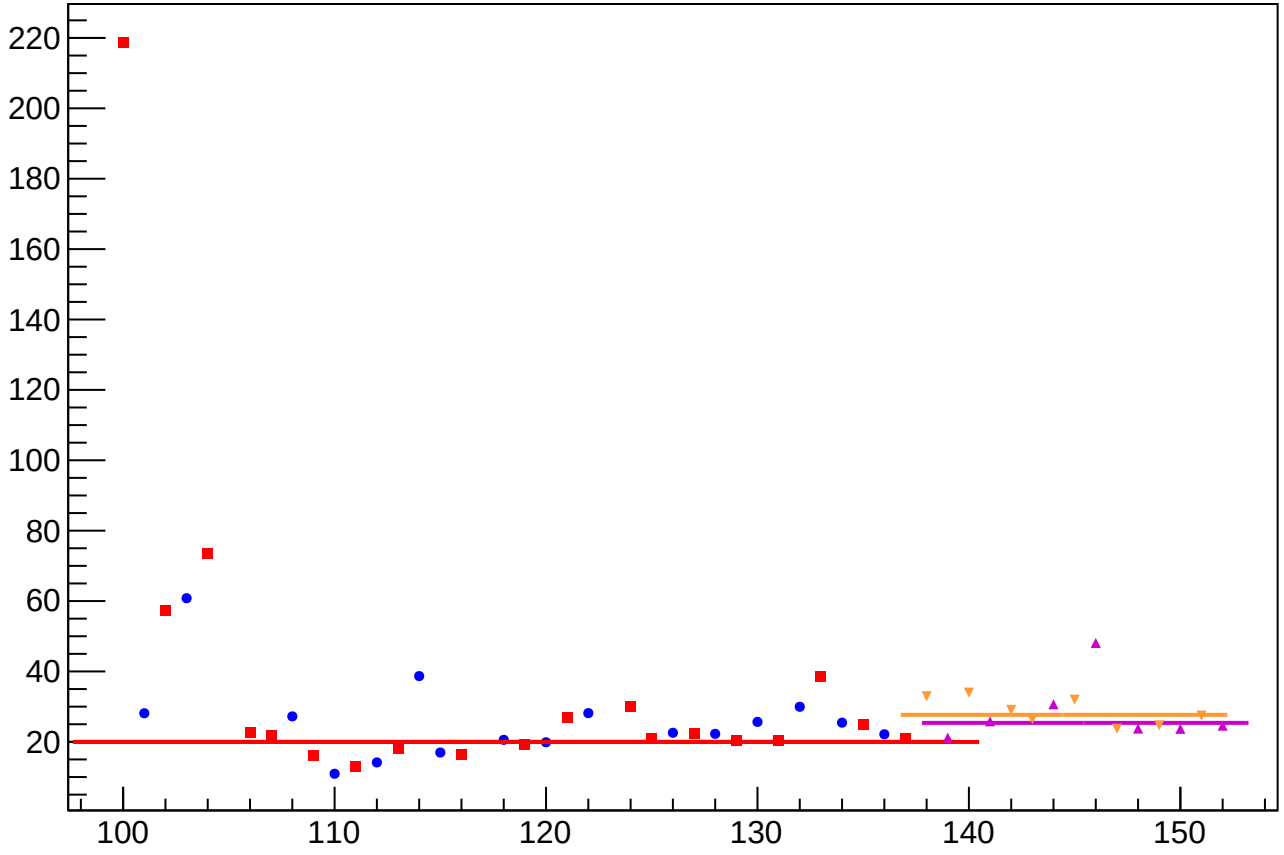
Left In: -0.011+/-0.011 χ^2/NDF:10.9/6

+ sign 0.006+/-0.007 χ^2/NDF: 20.8/23

All: 0.003+/-0.005 χ^2/NDF: 63.7/49

- sign 0.001+/-0.006 χ^2/NDF: 42.6/25

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 27.674+/-0.008 χ^2/NDF:191213.0/7

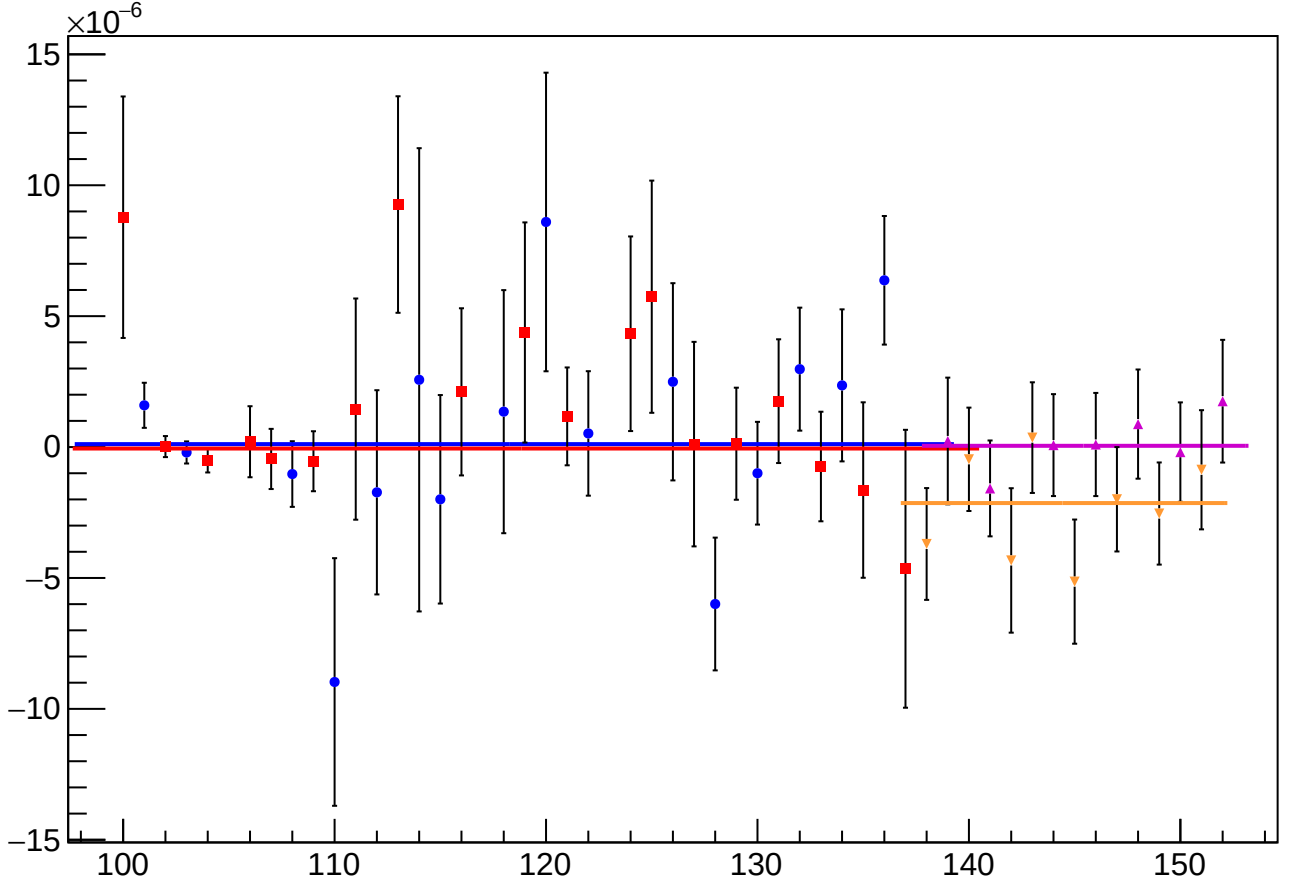
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.389+/-0.008 χ^2/NDF:495195.5/6

+ sign 22.587+/-0.005 χ^2/NDF: 2427797.1/23

All: 22.256+/-0.003 χ^2/NDF: 4977780.4/49

- sign 21.945+/-0.005 χ^2/NDF: 2540369.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.2/7

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

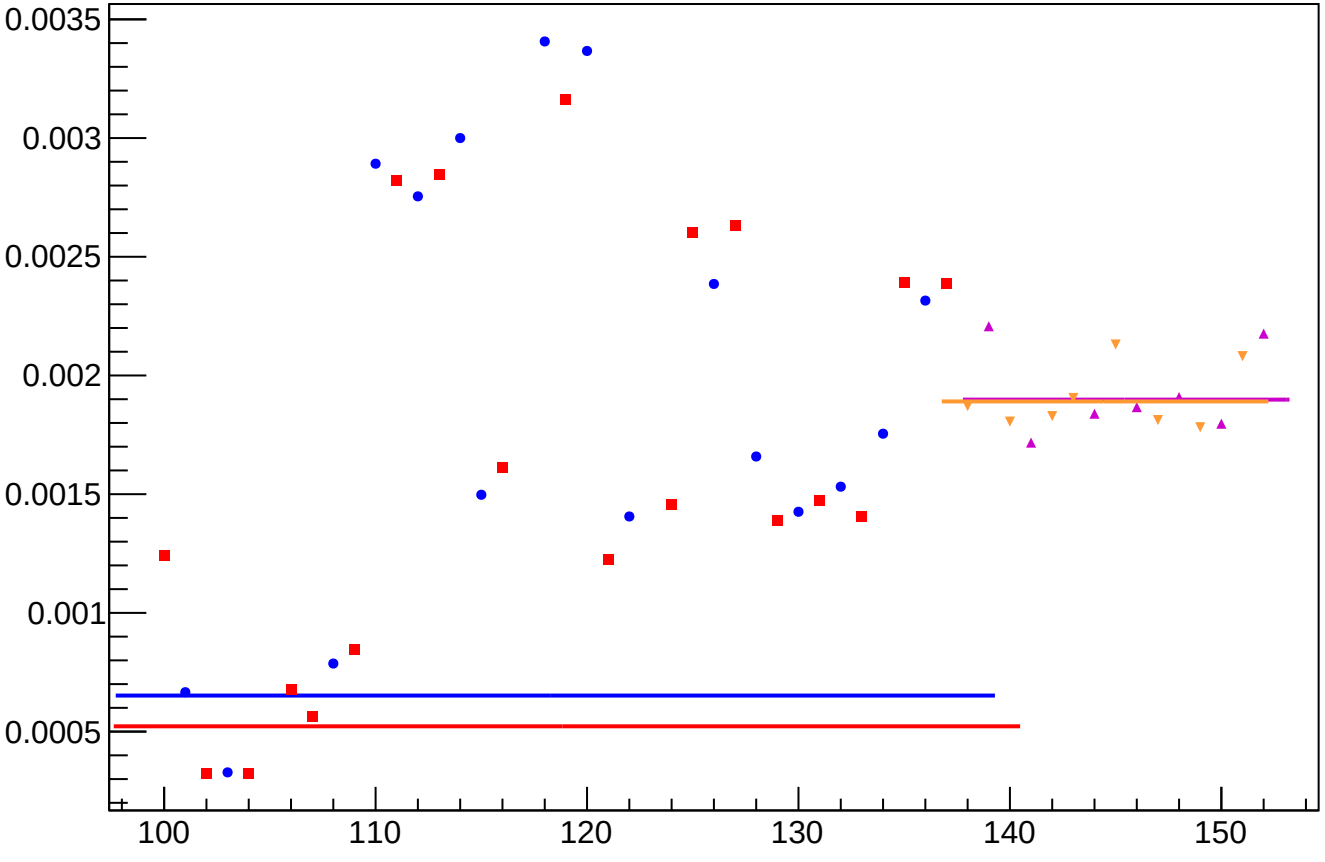
Left In: 0.000+/-0.000 χ^2/NDF:1.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 38.6/23

All: -0.000+/-0.000 χ^2/NDF: 57.5/49

- sign -0.000+/-0.000 χ^2/NDF: 18.6/25

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:48802.7/7

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

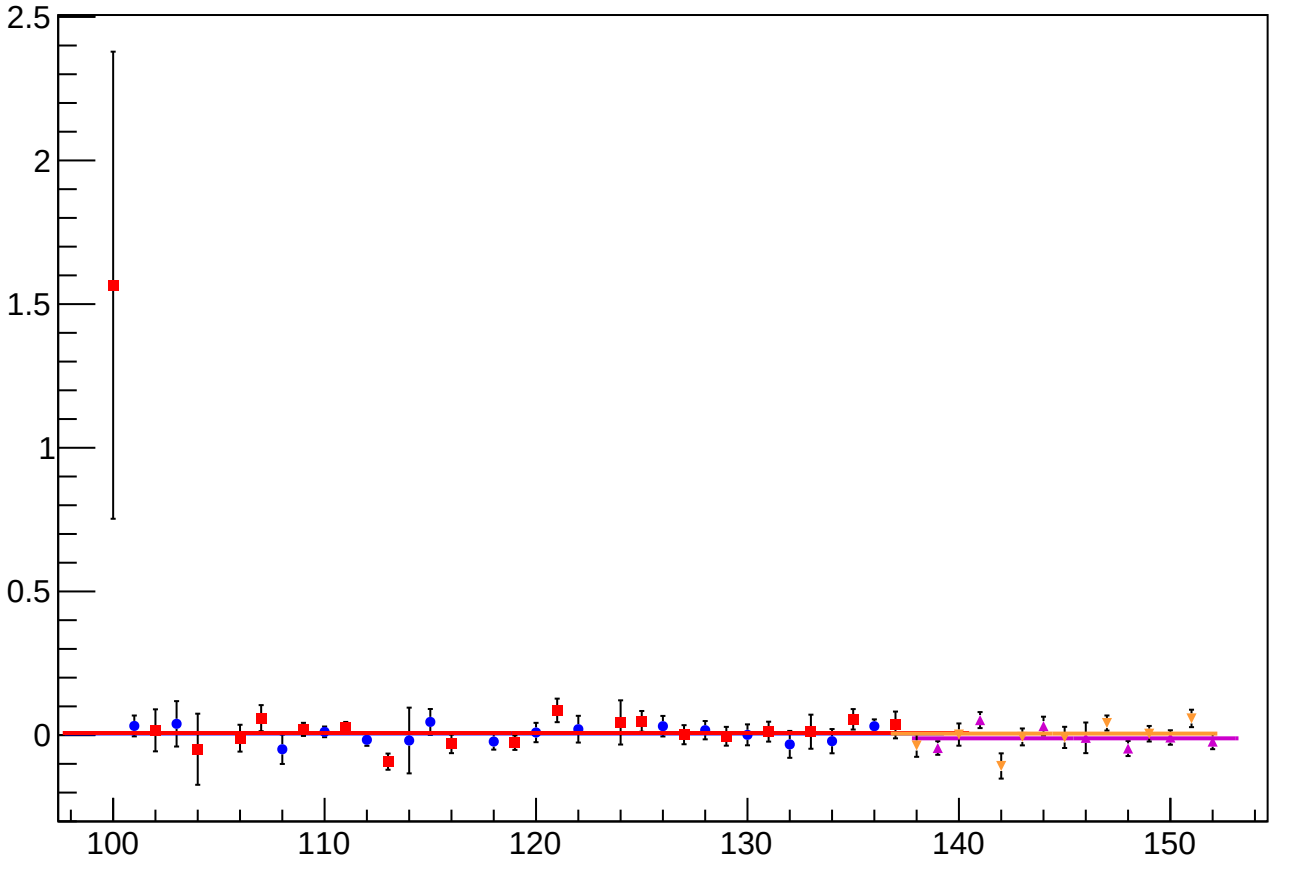
Left In: 0.002+/-0.000 χ^2/NDF:88451.3/6

+ sign 0.001+/-0.000 χ^2/NDF: 10831031.4/23

All: 0.001+/-0.000 χ^2/NDF: 23764273.7/49

- sign 0.001+/-0.000 χ^2/NDF: 12477411.1/25

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.005+/-0.011 χ^2/NDF:13.0/7

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

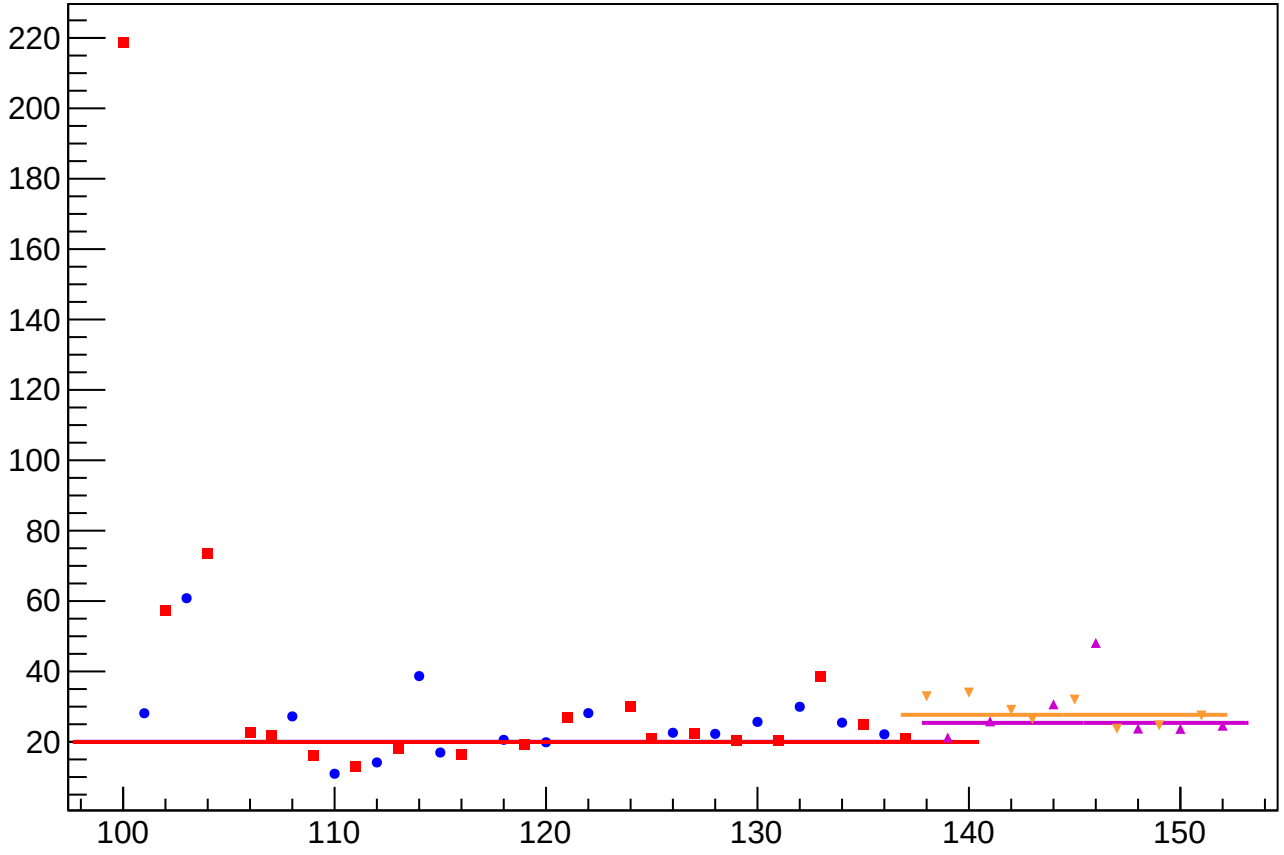
Left In: -0.011+/-0.011 χ^2/NDF:10.9/6

+ sign 0.006+/-0.007 χ^2/NDF: 20.8/23

All: 0.003+/-0.005 χ^2/NDF: 63.7/49

- sign 0.001+/-0.006 χ^2/NDF: 42.6/25

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 27.674+/-0.008 χ^2/NDF:191234.0/7

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

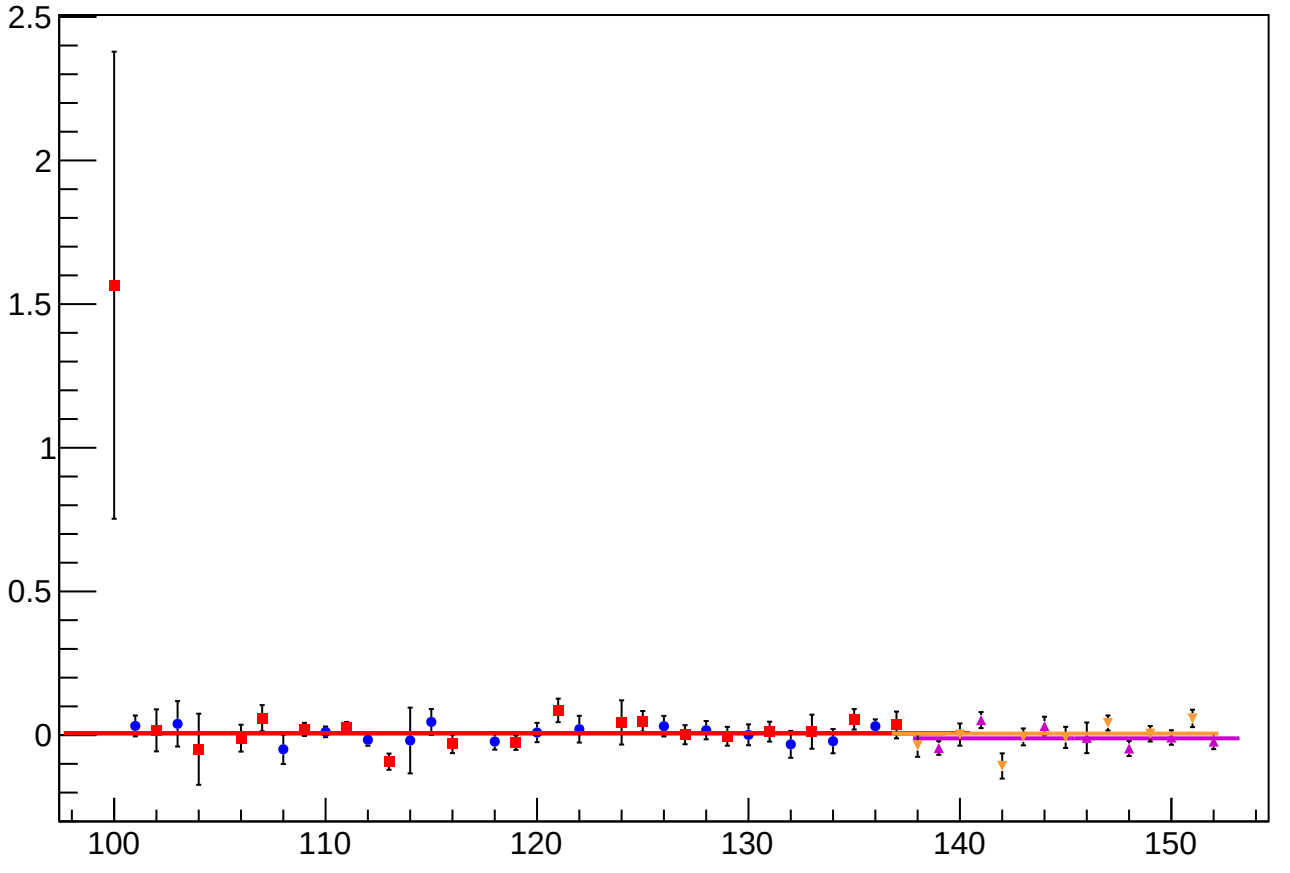
Left In: 25.389+/-0.008 χ^2/NDF:495205.7/6

+ sign 22.588+/-0.005 χ^2/NDF: 2427562.0/23

All: 22.257+/-0.003 χ^2/NDF: 4977478.4/49

- sign 21.945+/-0.005 χ^2/NDF: 2540294.6/25

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: 0.005+/-0.011 χ^2/NDF:13.0/7

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

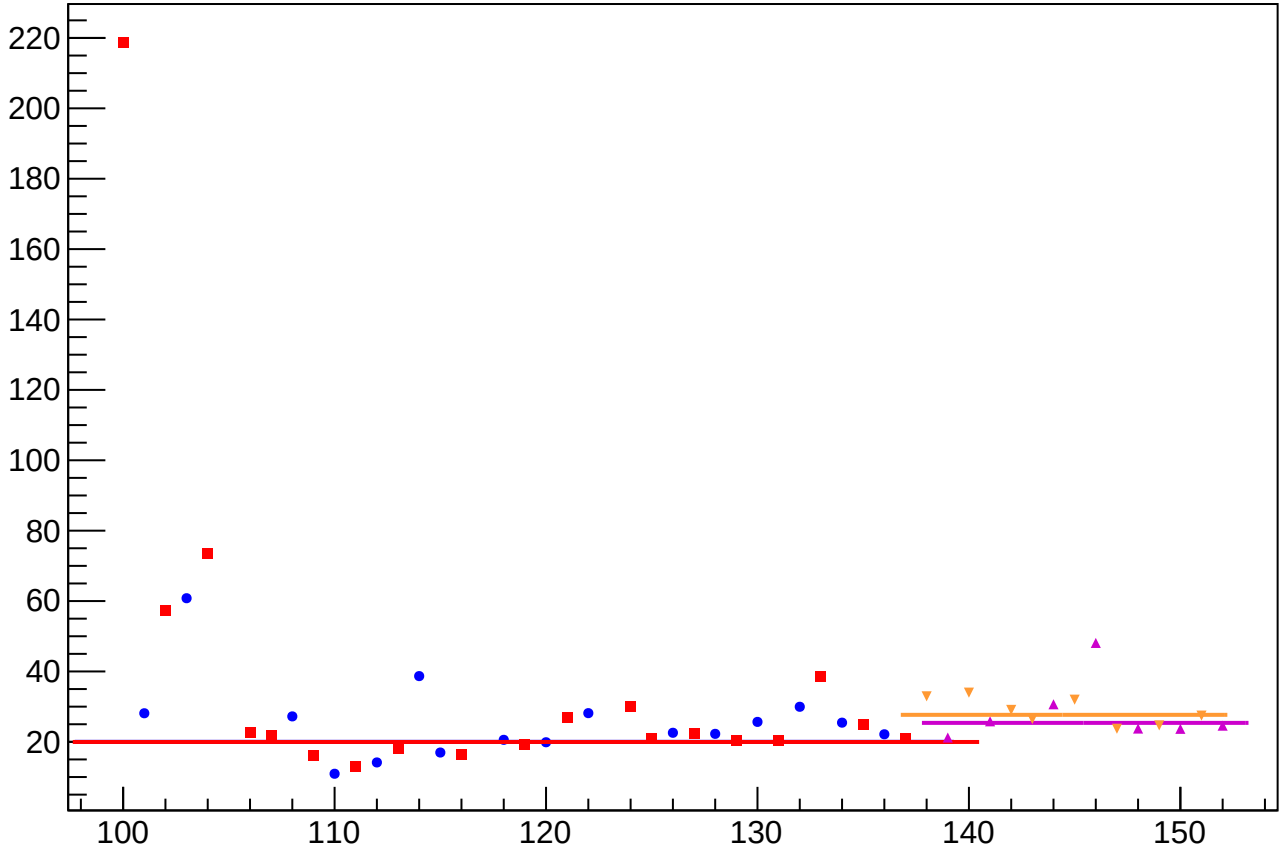
Left In: -0.011+/-0.011 χ^2/NDF:10.9/6

+ sign 0.006+/-0.007 χ^2/NDF: 20.8/23

All: 0.003+/-0.005 χ^2/NDF: 63.7/49

- sign 0.001+/-0.006 χ^2/NDF: 42.6/25

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: 27.674+/-0.008 χ^2/NDF:191234.0/7

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

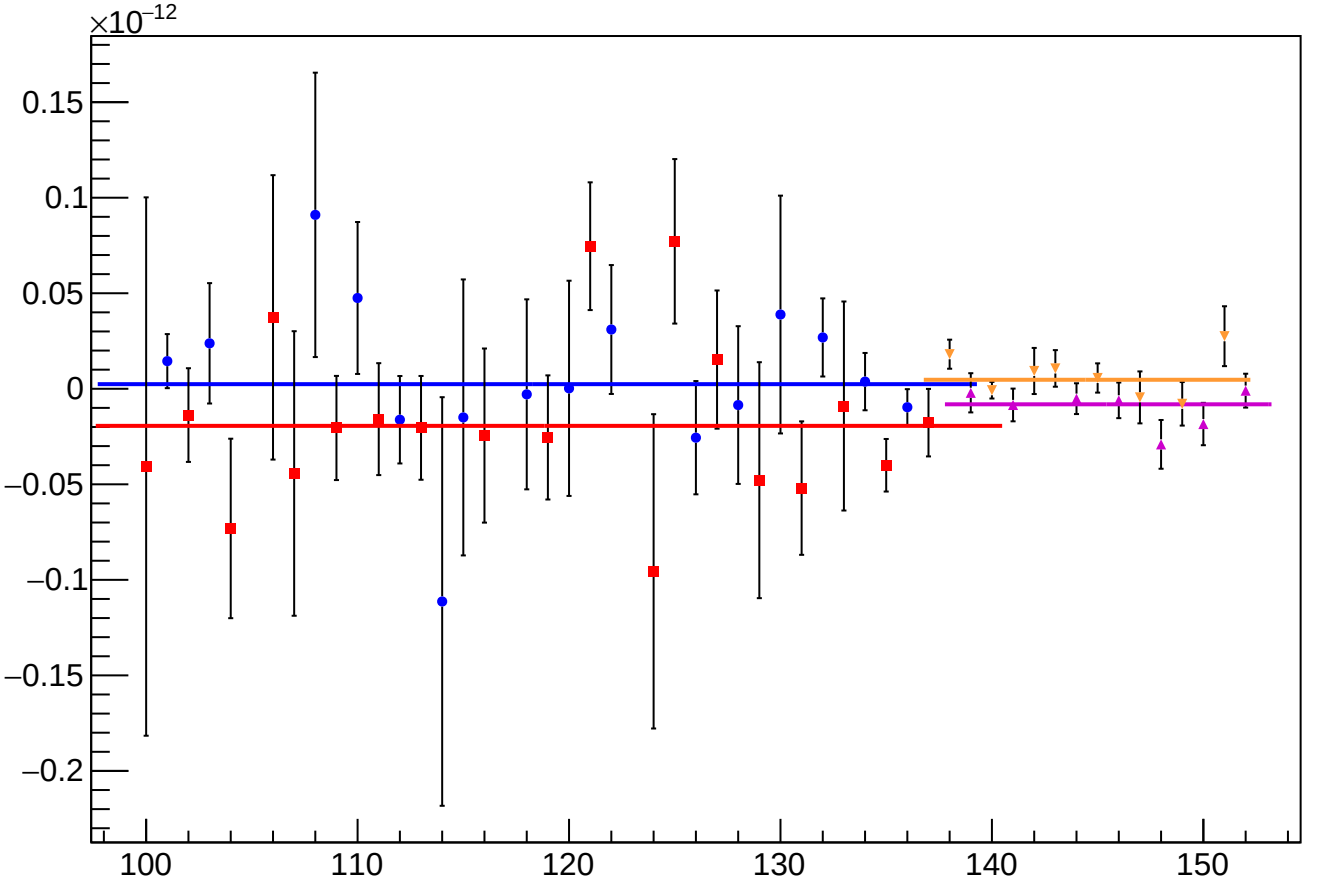
Left In: 25.389+/-0.008 χ^2/NDF:495205.7/6

\+ sign 22.588+/-0.005 χ^2/NDF: 2427562.0/23

All: 22.257+/-0.003 χ^2/NDF: 4977478.4/49

\- sign 21.945+/-0.005 χ^2/NDF: 2540294.6/25

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:9.0/7

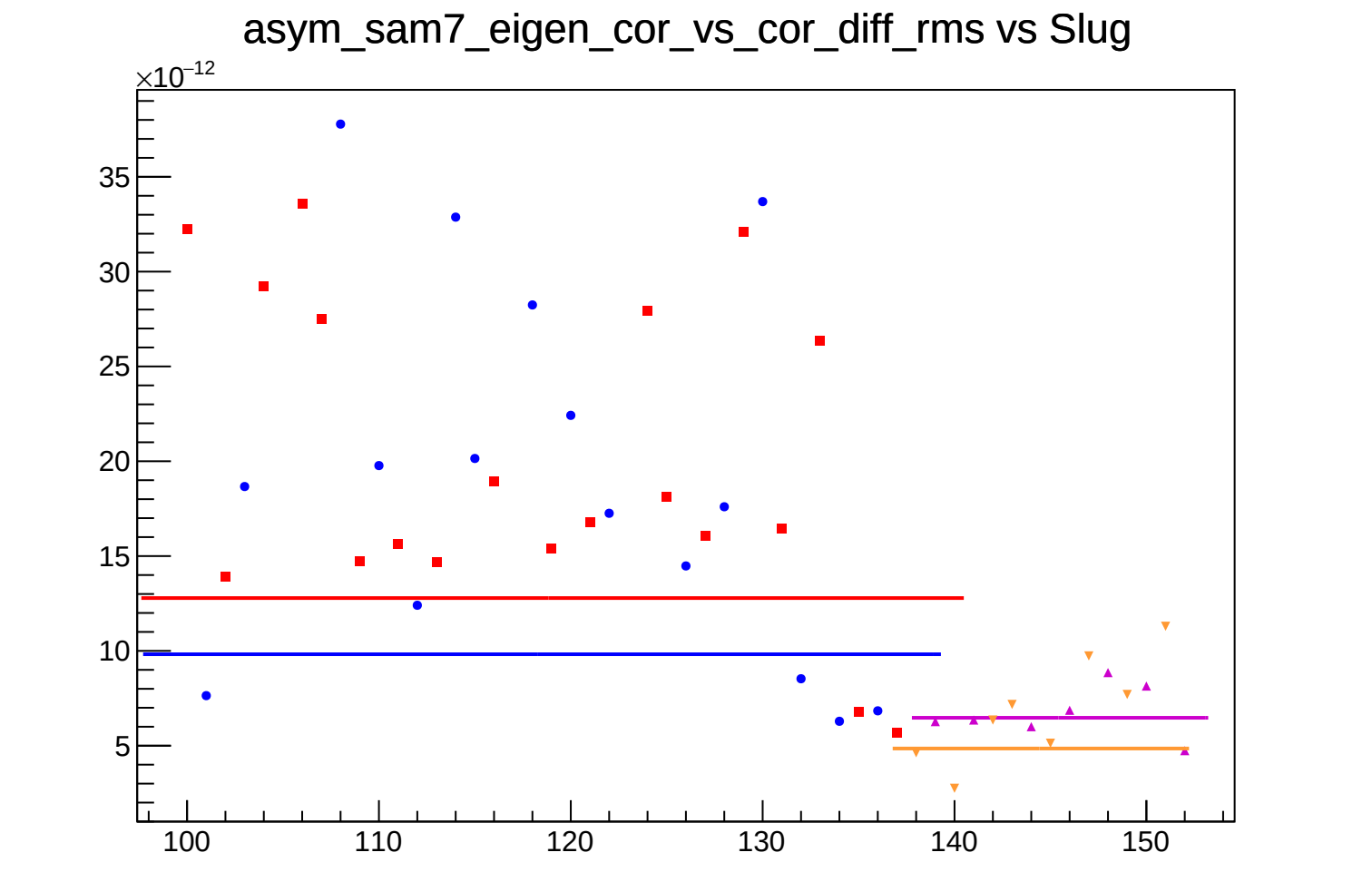
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 20.0/23

All: -0.000+/-0.000 χ^2/NDF: 59.9/49

- sign -0.000+/-0.000 χ^2/NDF: 27.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340670.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

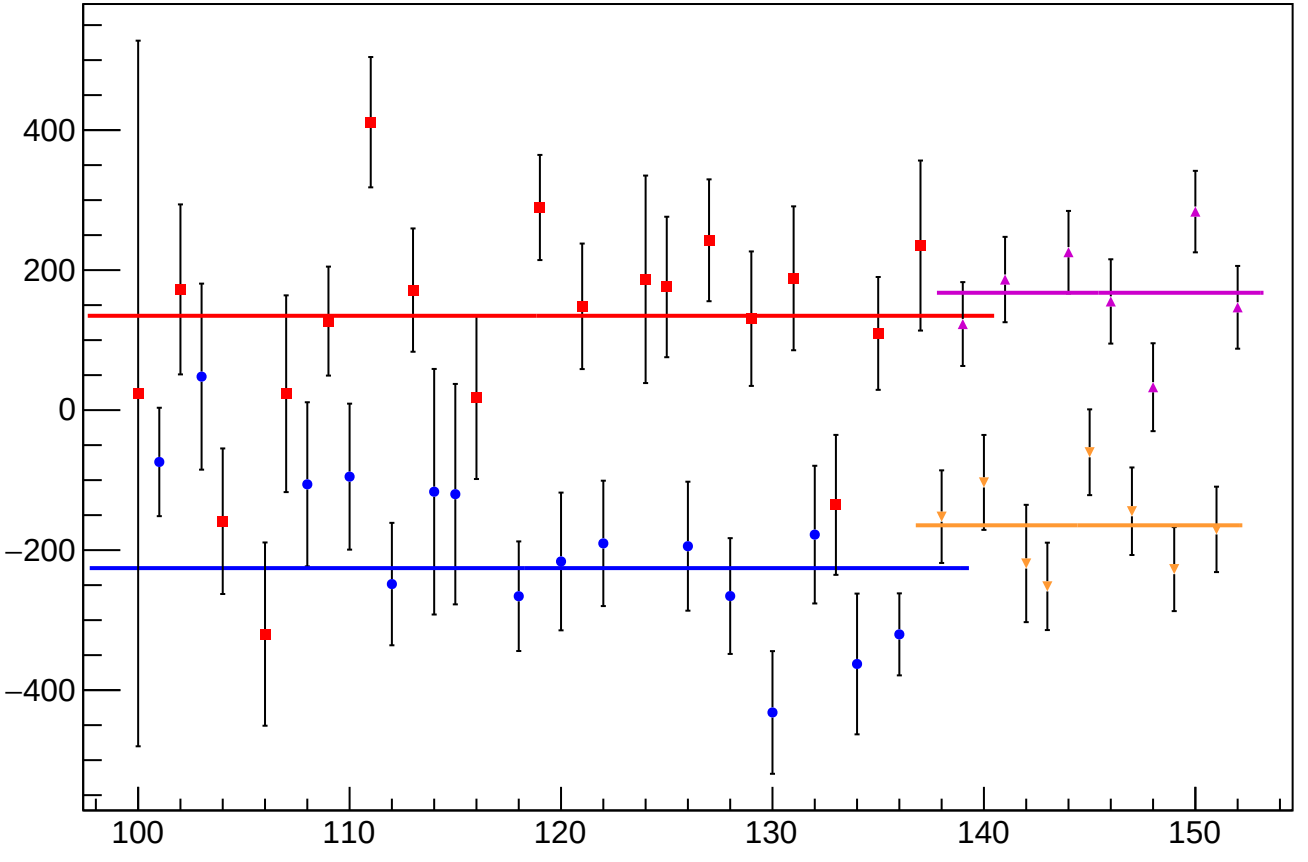
Left In: 0.000+/-0.000 χ^2/NDF:203275.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 4528467.9/23

All: 0.000+/-0.000 χ^2/NDF: 8242537.5/49

- sign 0.000+/-0.000 χ^2/NDF: 3271792.0/25

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -164.534+/-22.860 χ^2/NDF:7.3/7

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

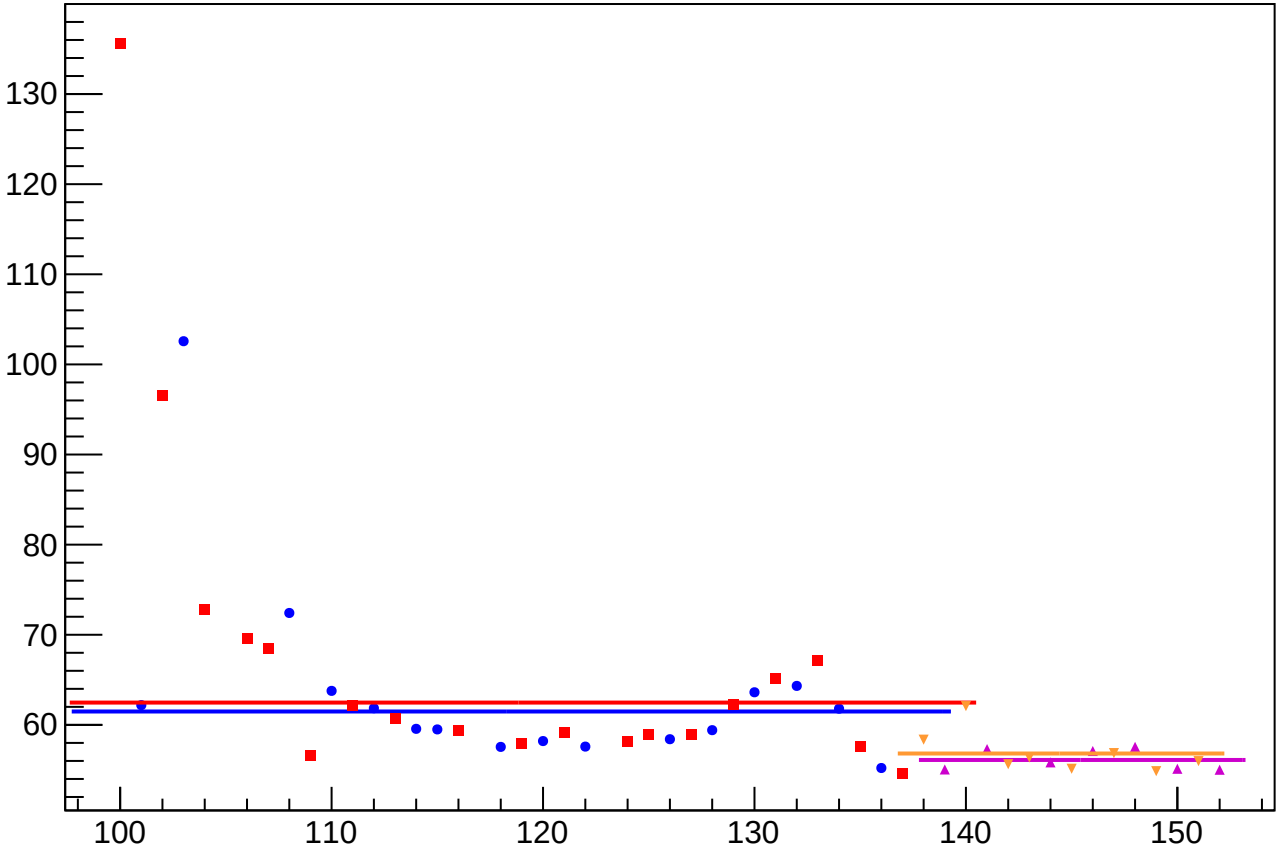
Left In: 167.633+/-22.668 χ^2/NDF:10.4/6

+ sign -194.770+/-16.255 χ^2/NDF: 33.5/23

All: -21.122+/-11.478 χ^2/NDF: 317.7/49

- sign 151.573+/-16.211 χ^2/NDF: 56.7/25

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.824+/-0.016 χ^2/NDF:17664.3/7

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

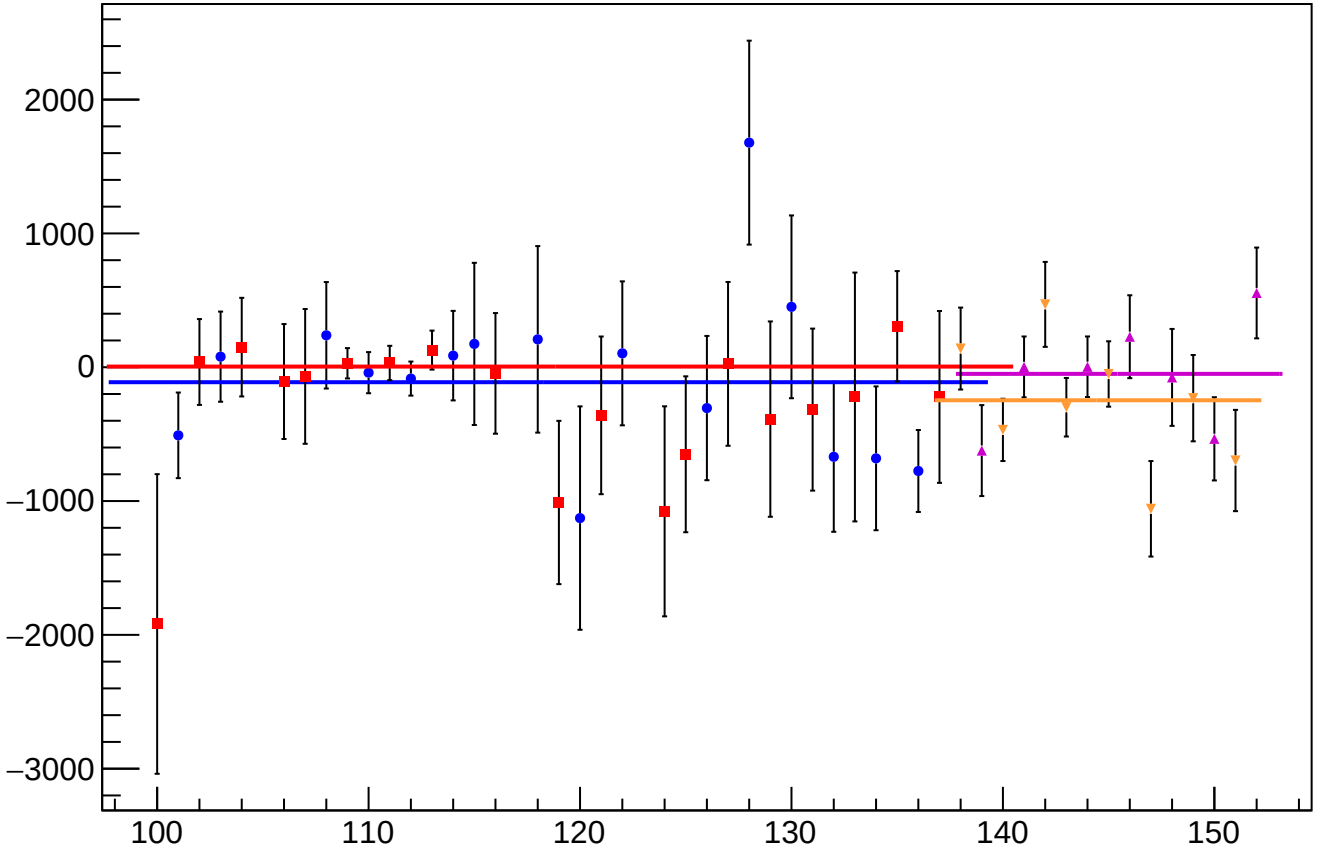
Left In: 56.108+/-0.016 χ^2/NDF:4297.2/6

+ sign 59.129+/-0.011 χ^2/NDF: 309457.2/23

All: 59.174+/-0.008 χ^2/NDF: 672053.6/49

- sign 59.219+/-0.011 χ^2/NDF: 362565.5/25

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -246.965+/-99.435 χ^2/NDF:14.9/7

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

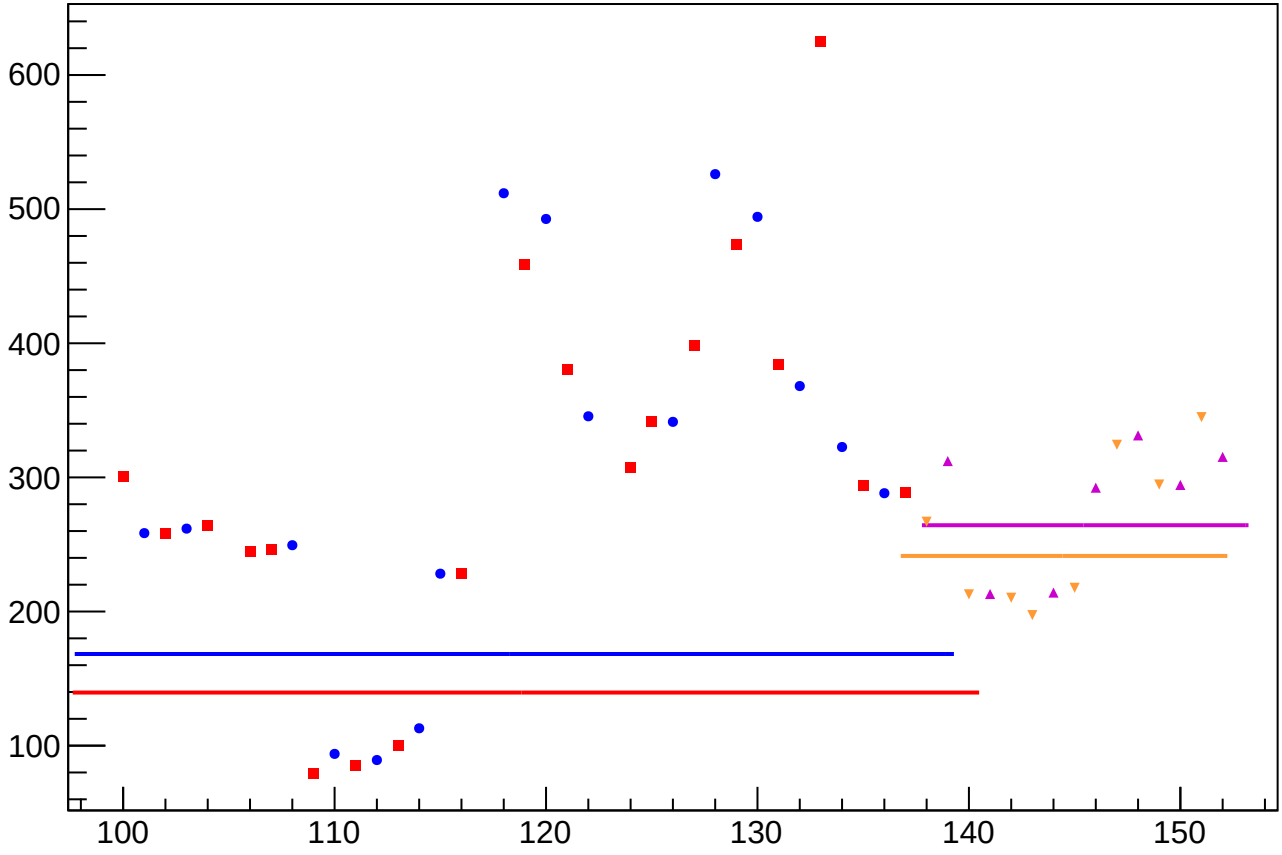
Left In: -49.568+/-108.741 χ^2/NDF:9.4/6

+ sign -161.872+/-60.489 χ^2/NDF: 34.5/23

All: -78.395+/-40.739 χ^2/NDF: 59.2/49

- sign -9.097+/-55.113 χ^2/NDF: 21.2/25

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 241.449+/-0.070 χ^2/NDF:475667.9/7

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

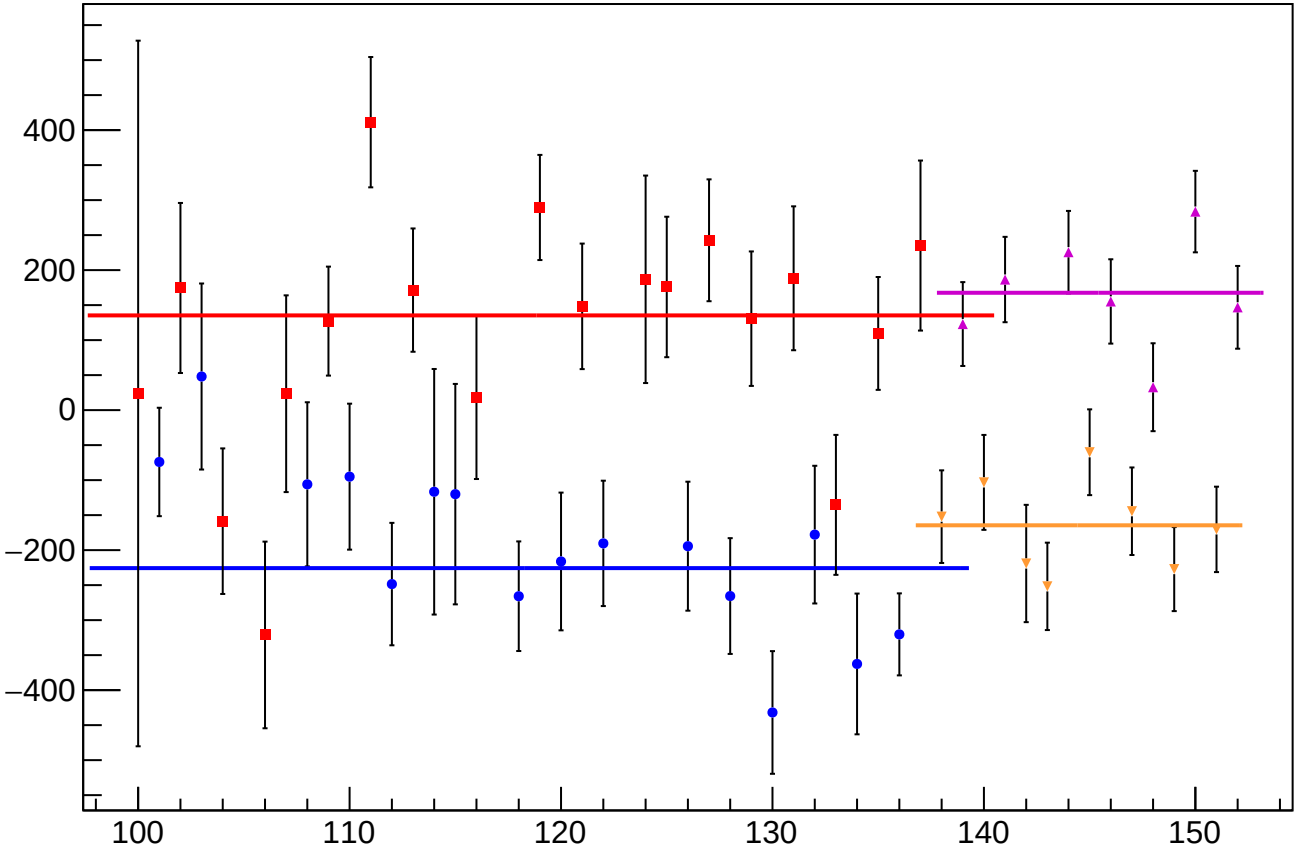
Left In: 264.337+/-0.077 χ^2/NDF:388140.9/6

+ sign 195.388+/-0.043 χ^2/NDF: 5700986.6/23

All: 182.410+/-0.029 χ^2/NDF: 13367642.3/49

- sign 171.637+/-0.039 χ^2/NDF: 7498166.2/25

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -164.532+/-22.860 χ^2/NDF:7.3/7

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

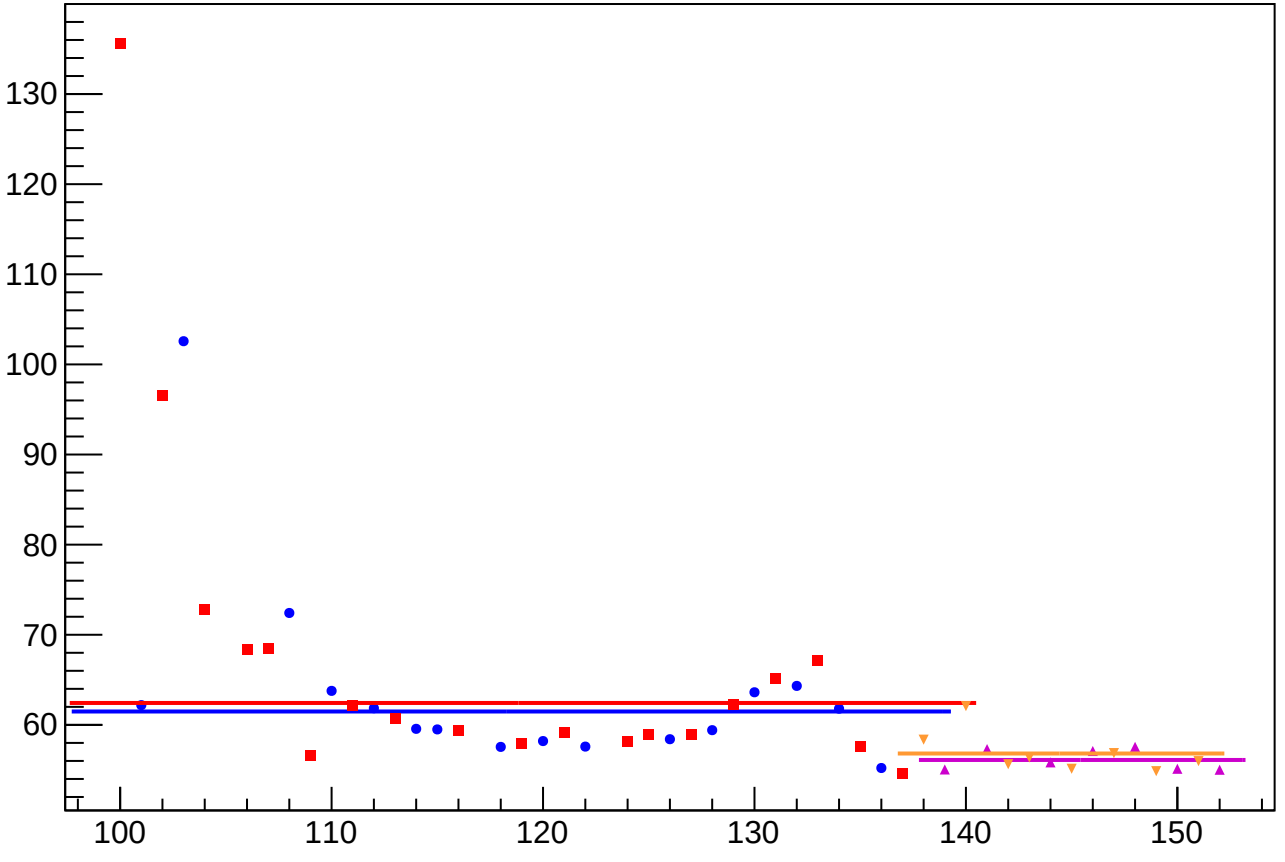
Left In: 167.628+/-22.668 χ^2/NDF:10.4/6

+ sign -194.769+/-16.255 χ^2/NDF: 33.5/23

All: -21.033+/-11.480 χ^2/NDF: 317.6/49

- sign 151.848+/-16.215 χ^2/NDF: 56.3/25

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.824+/-0.016 χ^2/NDF:17664.3/7

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

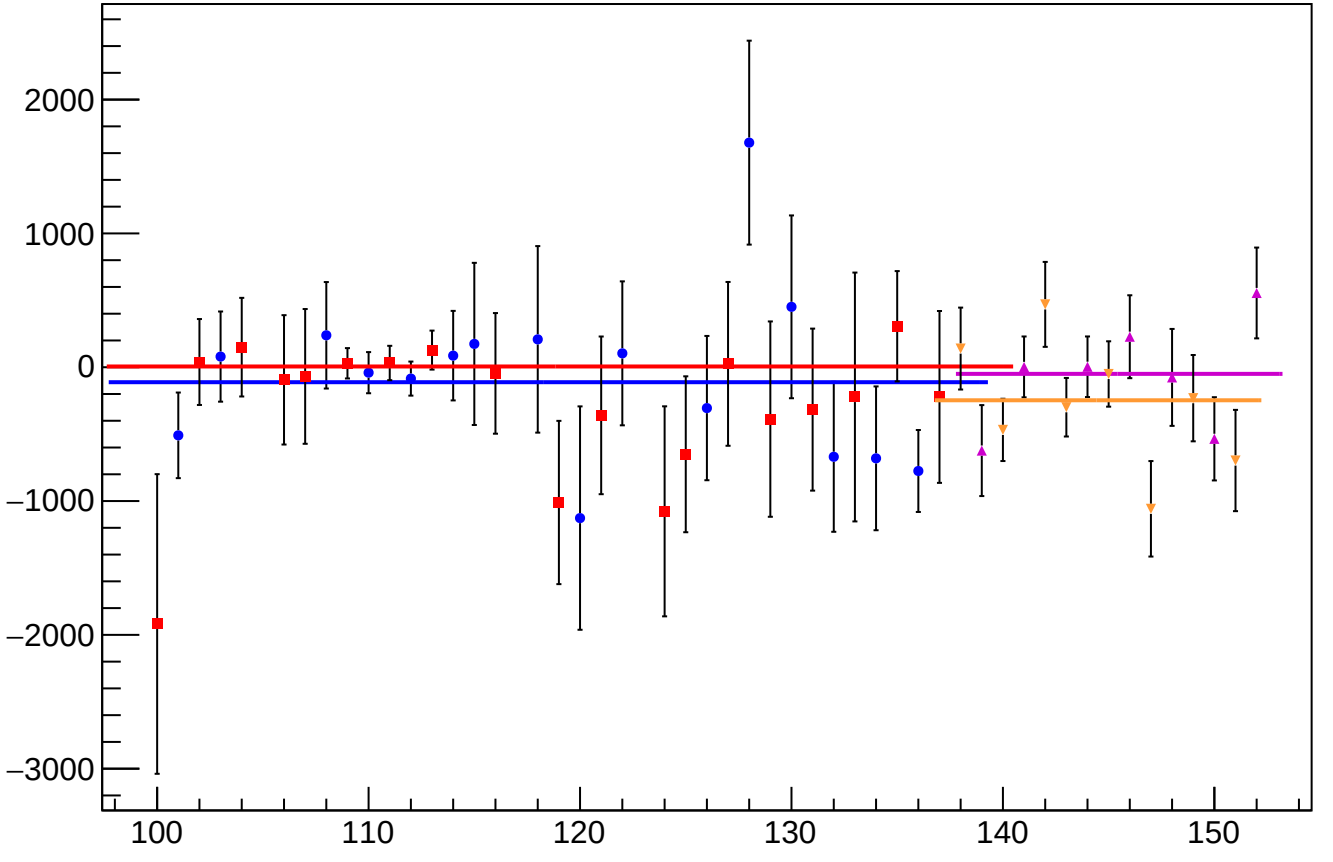
Left In: 56.108+/-0.016 χ^2/NDF:4297.2/6

+ sign 59.129+/-0.011 χ^2/NDF: 309459.8/23

All: 59.162+/-0.008 χ^2/NDF: 669218.1/49

- sign 59.196+/-0.011 χ^2/NDF: 359741.1/25

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -246.962+/-99.435 χ^2/NDF:14.9/7

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

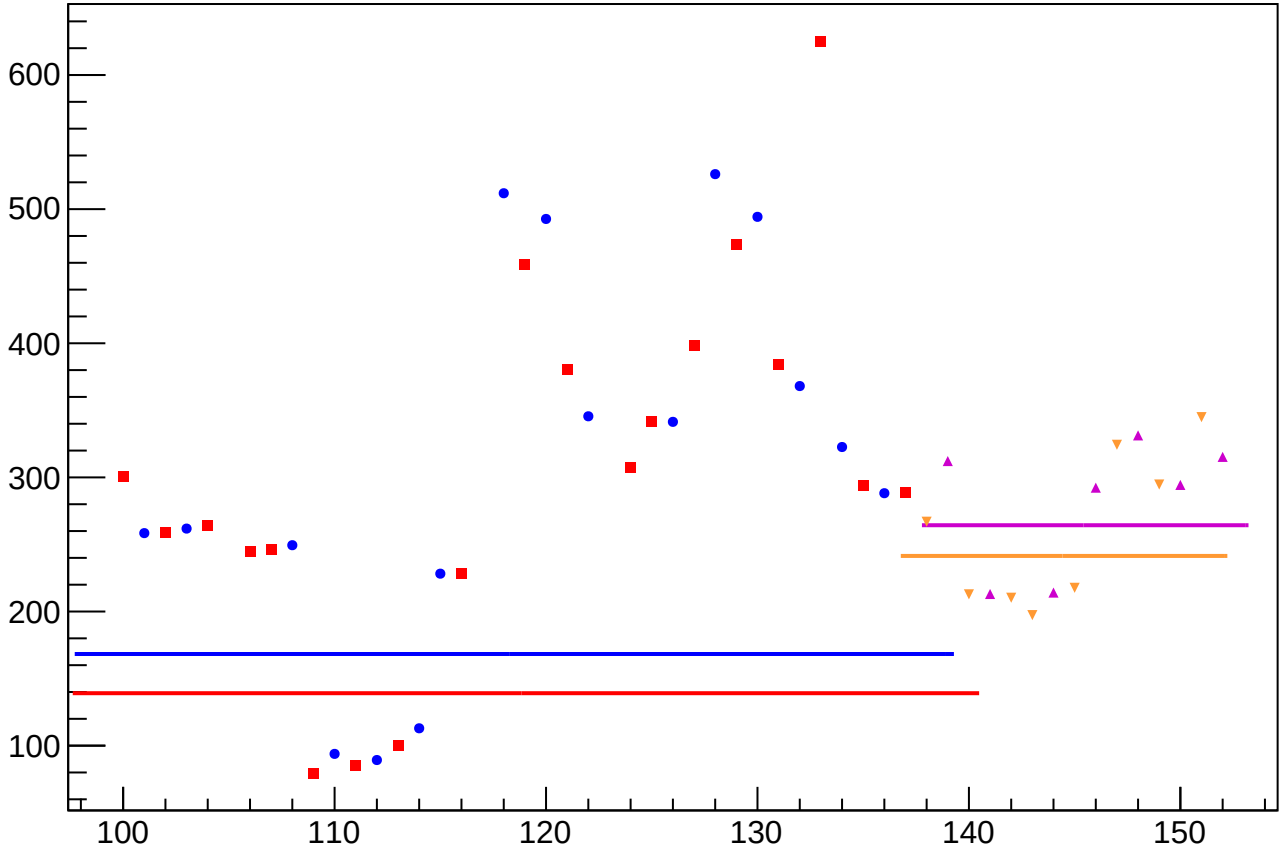
Left In: -49.568+/-108.742 χ^2/NDF:9.4/6

+ sign -161.860+/-60.489 χ^2/NDF: 34.5/23

All: -78.257+/-40.778 χ^2/NDF: 59.2/49

- sign -8.609+/-55.210 χ^2/NDF: 21.2/25

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 241.449+/-0.070 χ^2/NDF:475672.0/7

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

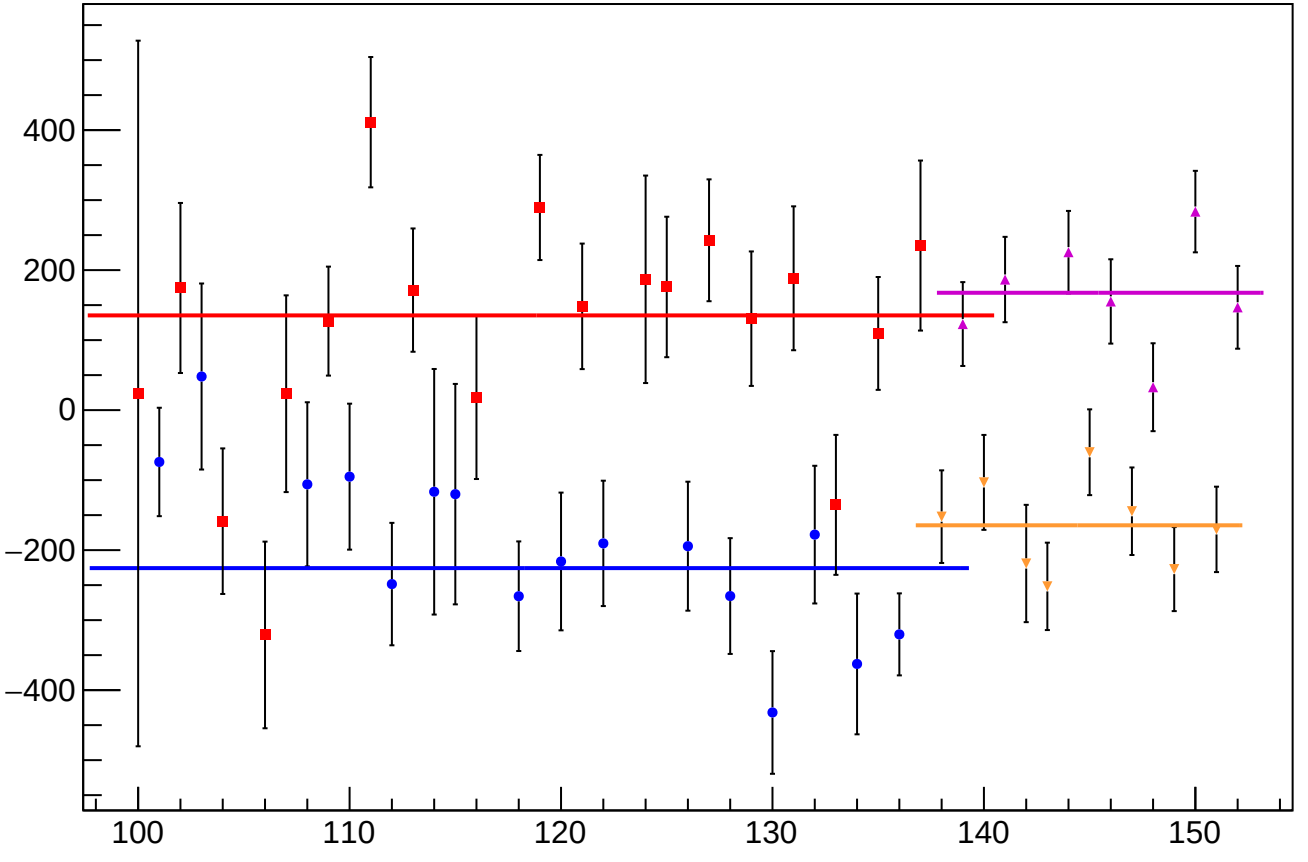
Left In: 264.337+/-0.077 χ^2/NDF:388141.3/6

+ sign 195.388+/-0.043 χ^2/NDF: 5701034.4/23

All: 182.295+/-0.029 χ^2/NDF: 13359785.6/49

- sign 171.387+/-0.039 χ^2/NDF: 7486975.9/25

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -164.532+/-22.860 χ^2/NDF:7.3/7

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

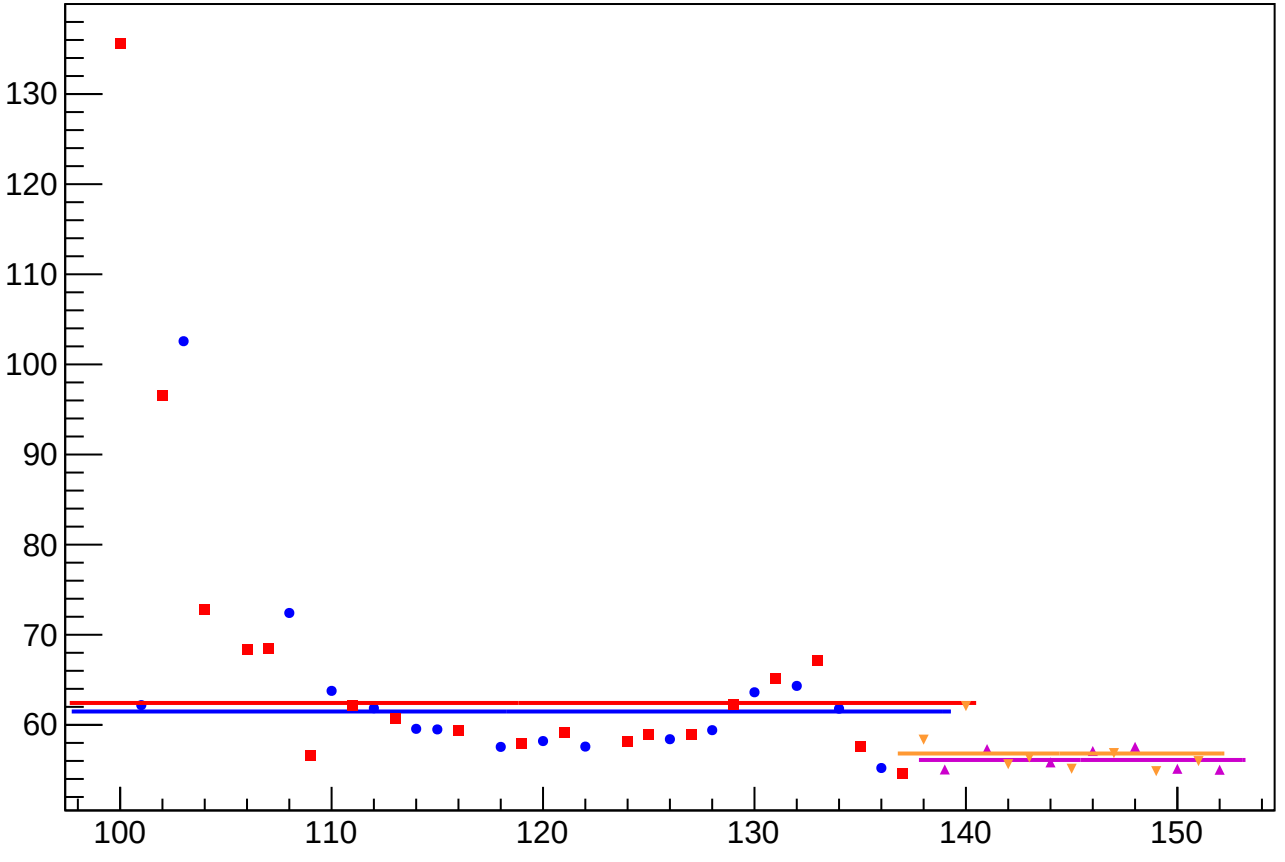
Left In: 167.628+/-22.668 χ^2/NDF:10.4/6

+ sign -194.769+/-16.255 χ^2/NDF: 33.5/23

All: -21.033+/-11.480 χ^2/NDF: 317.6/49

- sign 151.848+/-16.215 χ^2/NDF: 56.3/25

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.824+/-0.016 χ^2/NDF:17664.3/7

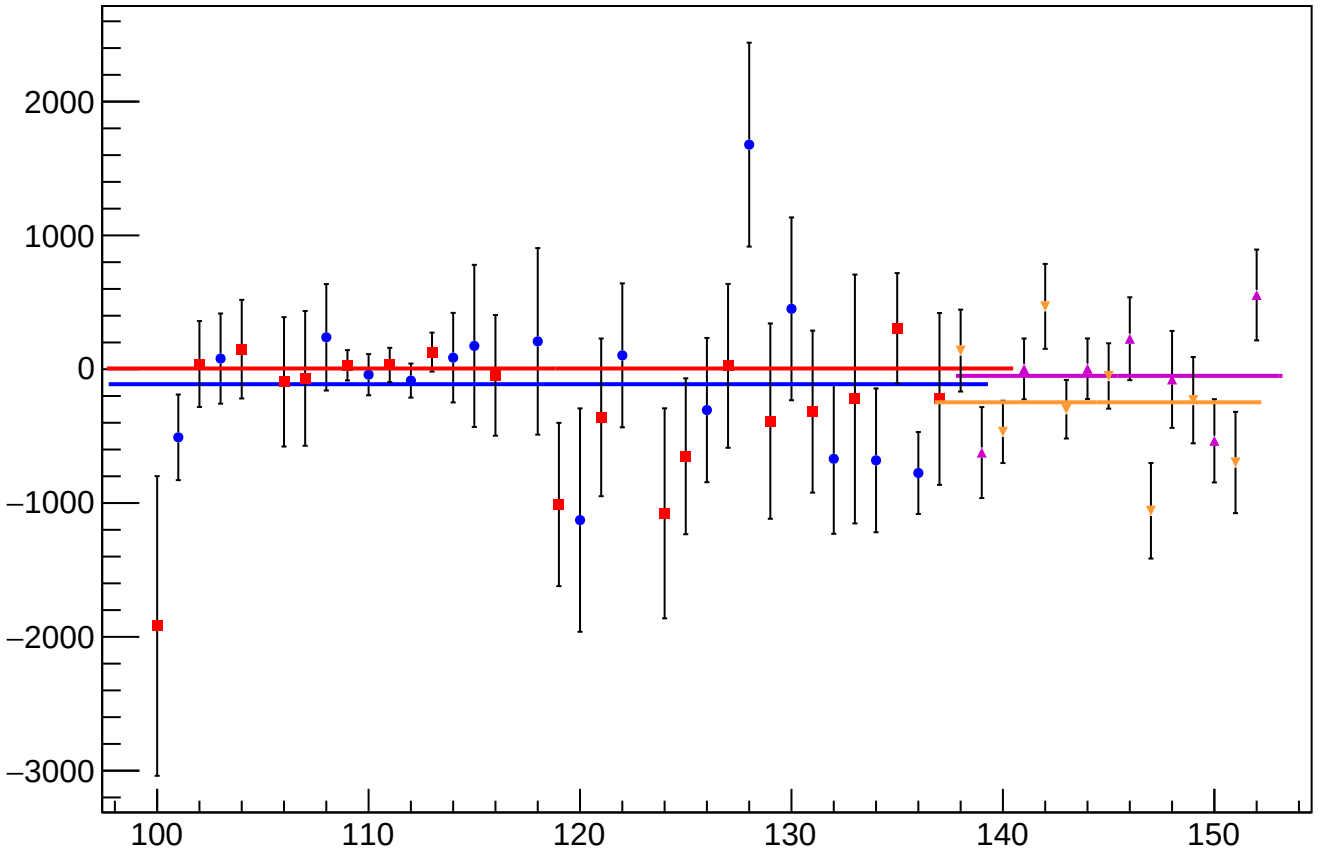
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.108+/-0.016 χ^2/NDF:4297.2/6

+ sign 59.129+/-0.011 χ^2/NDF: 309459.8/23

All: 59.162+/-0.008 χ^2/NDF: 669218.1/49

- sign 59.196+/-0.011 χ^2/NDF: 359741.1/25



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -246.962+/-99.435 χ^2/NDF:14.9/7

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

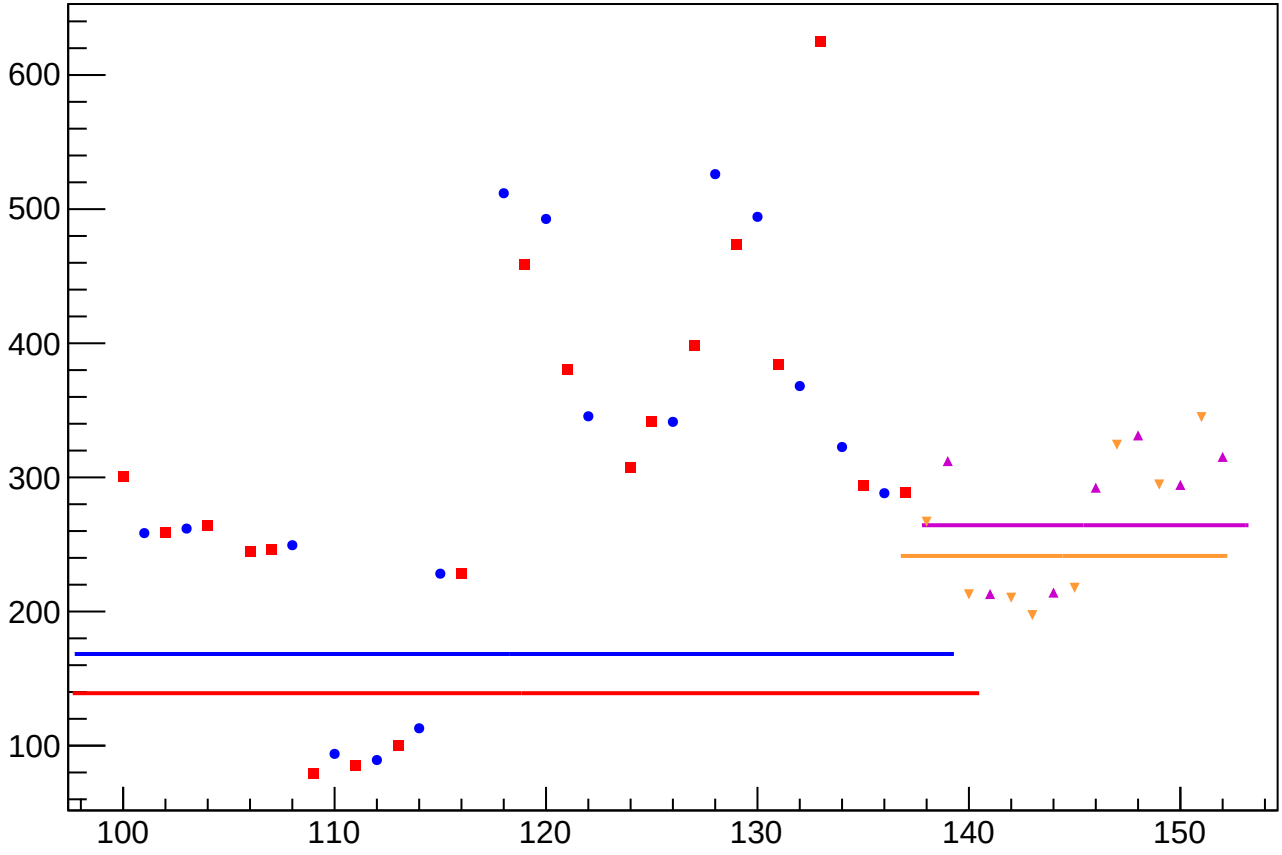
Left In: -49.568+/-108.742 χ^2/NDF:9.4/6

+ sign -161.860+/-60.489 χ^2/NDF: 34.5/23

All: -78.257+/-40.778 χ^2/NDF: 59.2/49

- sign -8.609+/-55.210 χ^2/NDF: 21.2/25

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 241.449+/-0.070 χ^2/NDF:475672.0/7

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

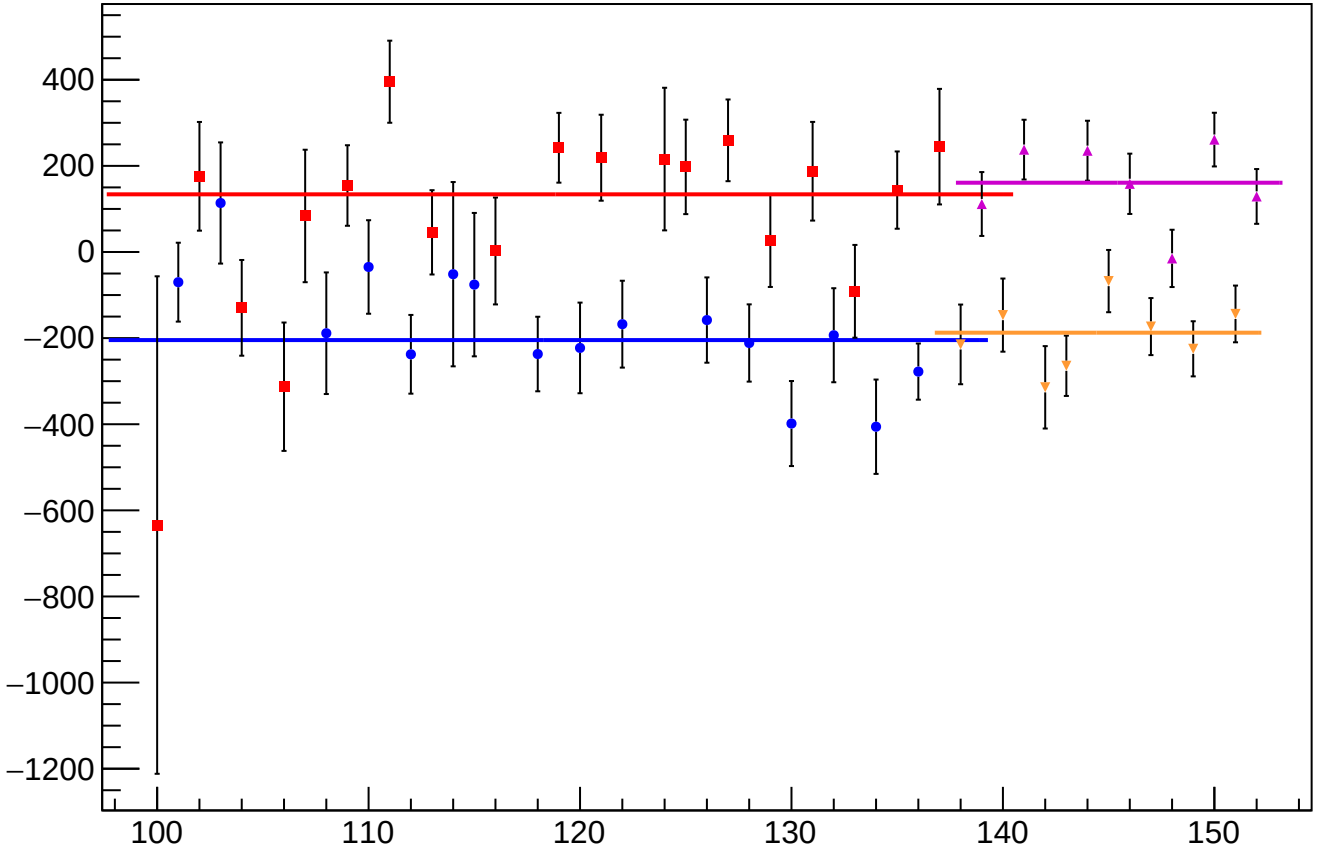
Left In: 264.337+/-0.077 χ^2/NDF:388141.3/6

+ sign 195.388+/-0.043 χ^2/NDF: 5701034.4/23

All: 182.295+/-0.029 χ^2/NDF: 13359785.6/49

- sign 171.387+/-0.039 χ^2/NDF: 7486975.9/25

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -187.403+/-26.152 χ^2/NDF:6.9/7

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

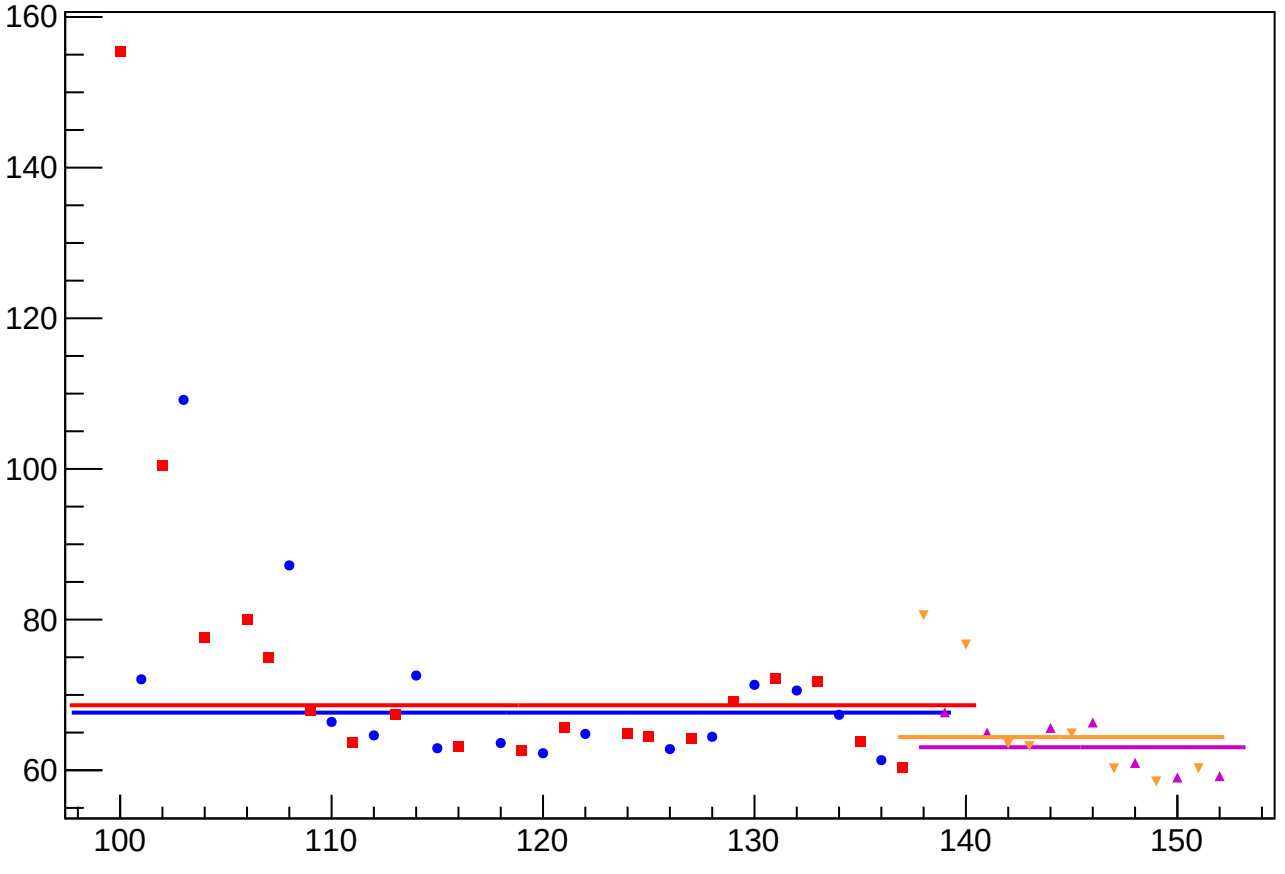
Left In: 160.868+/-25.565 χ^2/NDF:12.6/6

+ sign -196.199+/-18.266 χ^2/NDF: 27.1/23

All: -22.362+/-12.838 χ^2/NDF: 256.5/49

- sign 147.353+/-18.048 χ^2/NDF: 50.4/25

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 64.402+/-0.018 χ^2/NDF:136513.0/7

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

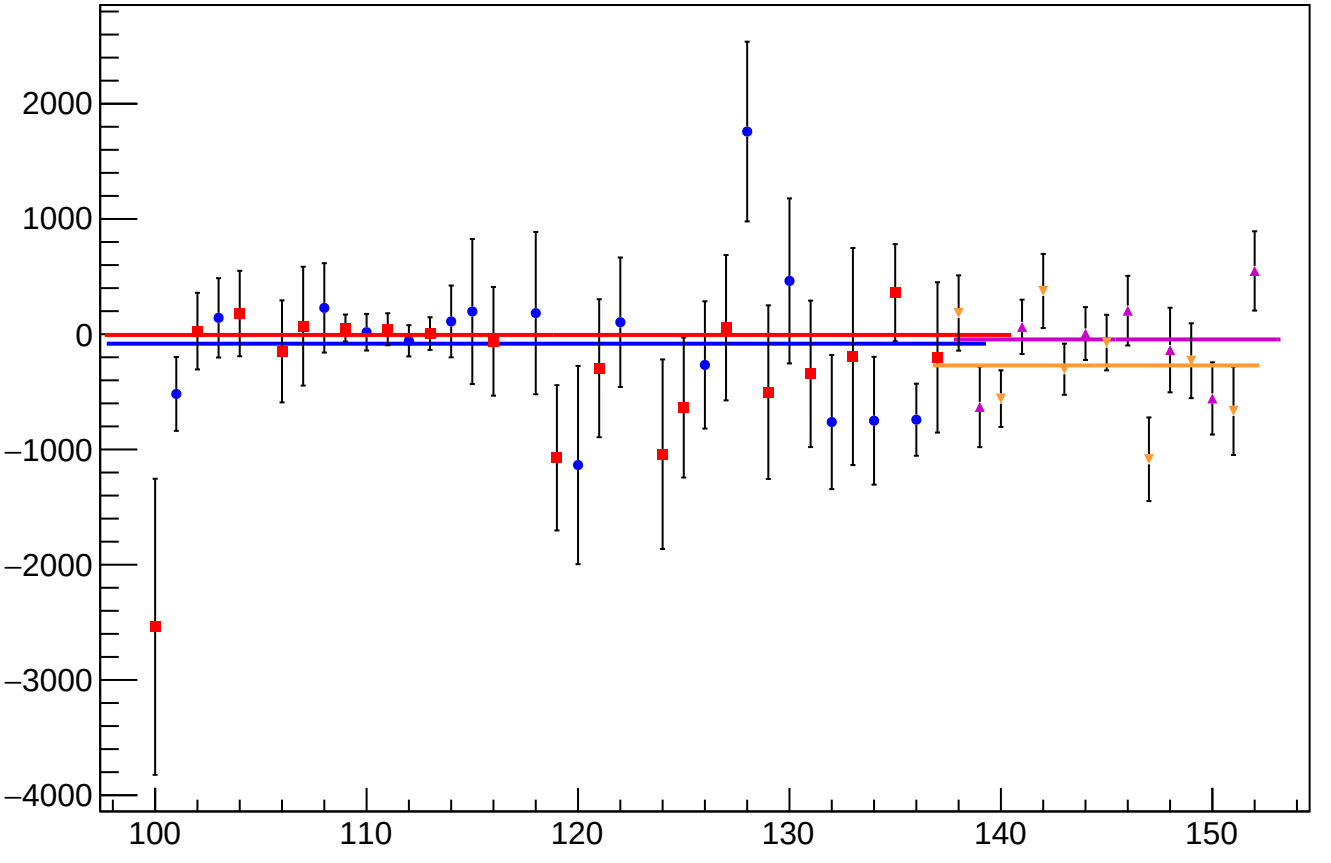
Left In: 63.056+/-0.018 χ^2/NDF:34034.6/6

+ sign 66.064+/-0.013 χ^2/NDF: 415956.2/23

All: 65.955+/-0.009 χ^2/NDF: 745888.1/49

- sign 65.849+/-0.013 χ^2/NDF: 329790.9/25

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -270.710+/-101.566 χ^2/NDF:14.1/7

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

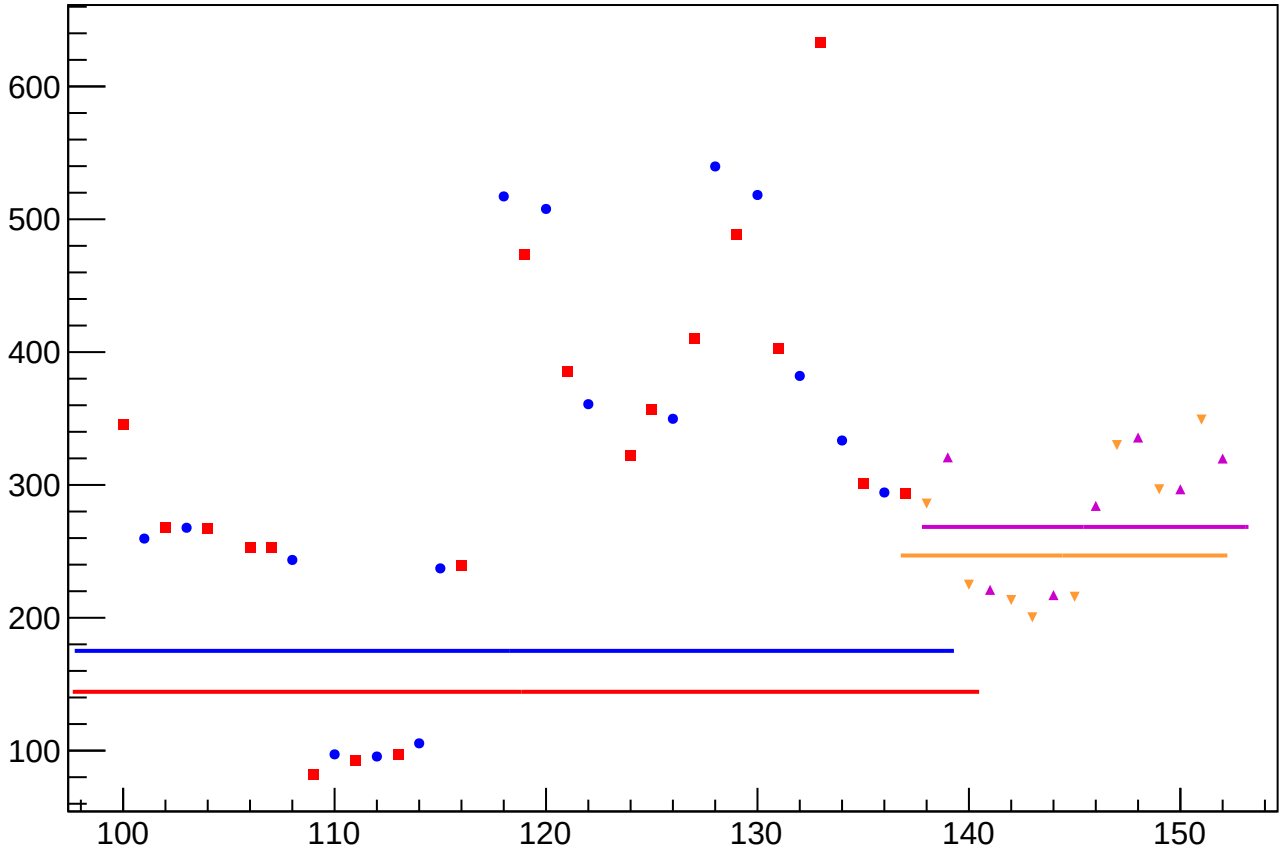
Left In: -45.302+/-110.286 χ^2/NDF:9.5/6

+ sign -152.912+/-62.198 χ^2/NDF: 35.5/23

All: -78.204+/-41.852 χ^2/NDF: 59.7/49

- sign -16.390+/-56.577 χ^2/NDF: 21.6/25

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 246.890+/-0.072 χ^2/NDF:481814.1/7

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

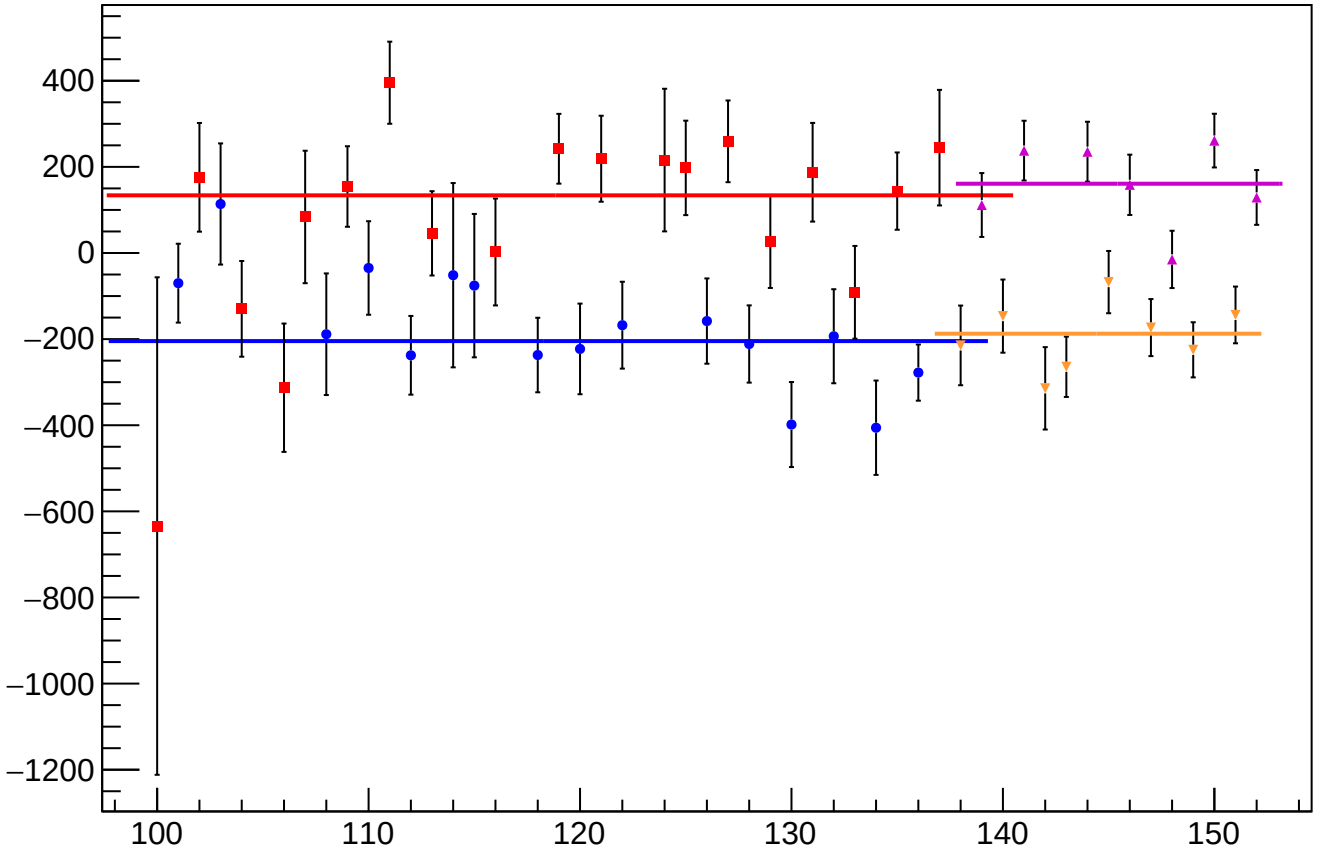
Left In: 268.405+/-0.078 χ^2/NDF:359739.2/6

+ sign 202.022+/-0.044 χ^2/NDF: 5535392.6/23

All: 188.298+/-0.030 χ^2/NDF: 13072320.9/49

- sign 176.943+/-0.040 χ^2/NDF: 7358986.2/25

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -187.403+/-26.153 χ^2/NDF:6.9/7

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

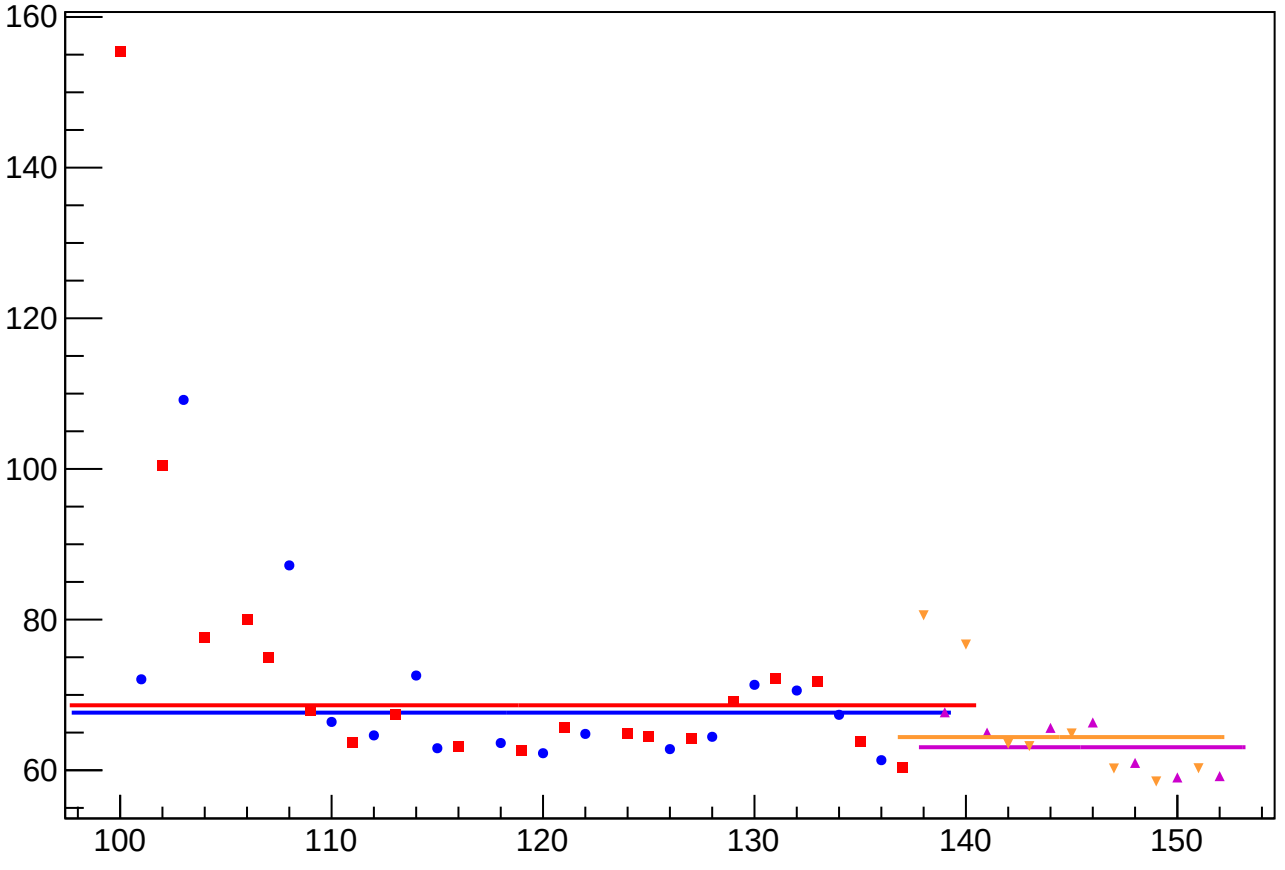
Left In: 160.868+/-25.565 χ^2/NDF:12.6/6

+ sign -196.199+/-18.266 χ^2/NDF: 27.1/23

All: -22.361+/-12.838 χ^2/NDF: 256.5/49

- sign 147.354+/-18.048 χ^2/NDF: 50.4/25

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 64.402+/-0.018 χ^2/NDF:136511.6/7

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

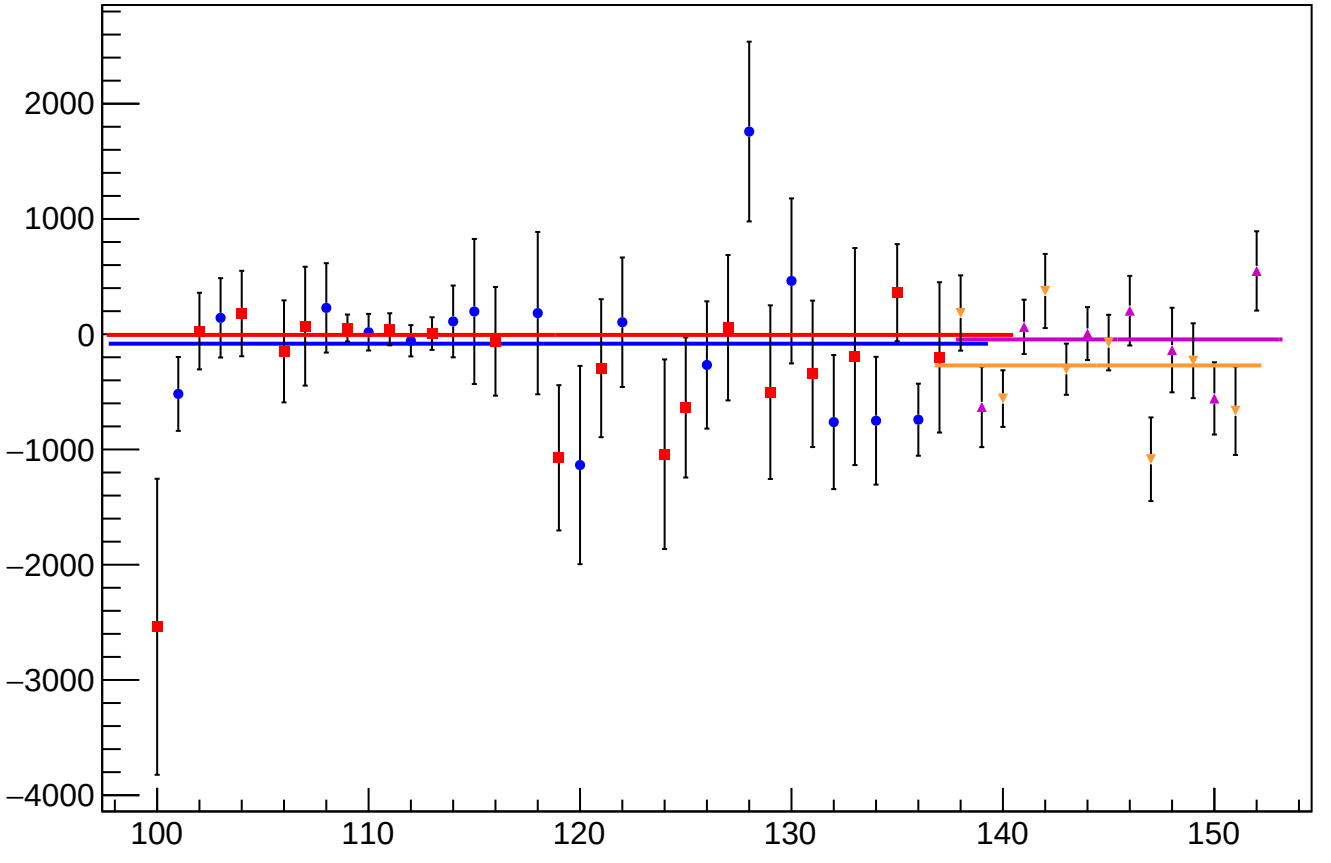
Left In: 63.056+/-0.018 χ^2/NDF:34035.0/6

+ sign 66.064+/-0.013 χ^2/NDF: 415951.3/23

All: 65.955+/-0.009 χ^2/NDF: 745880.1/49

- sign 65.849+/-0.013 χ^2/NDF: 329787.8/25

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -270.710+/-101.565 χ^2/NDF:14.1/7

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

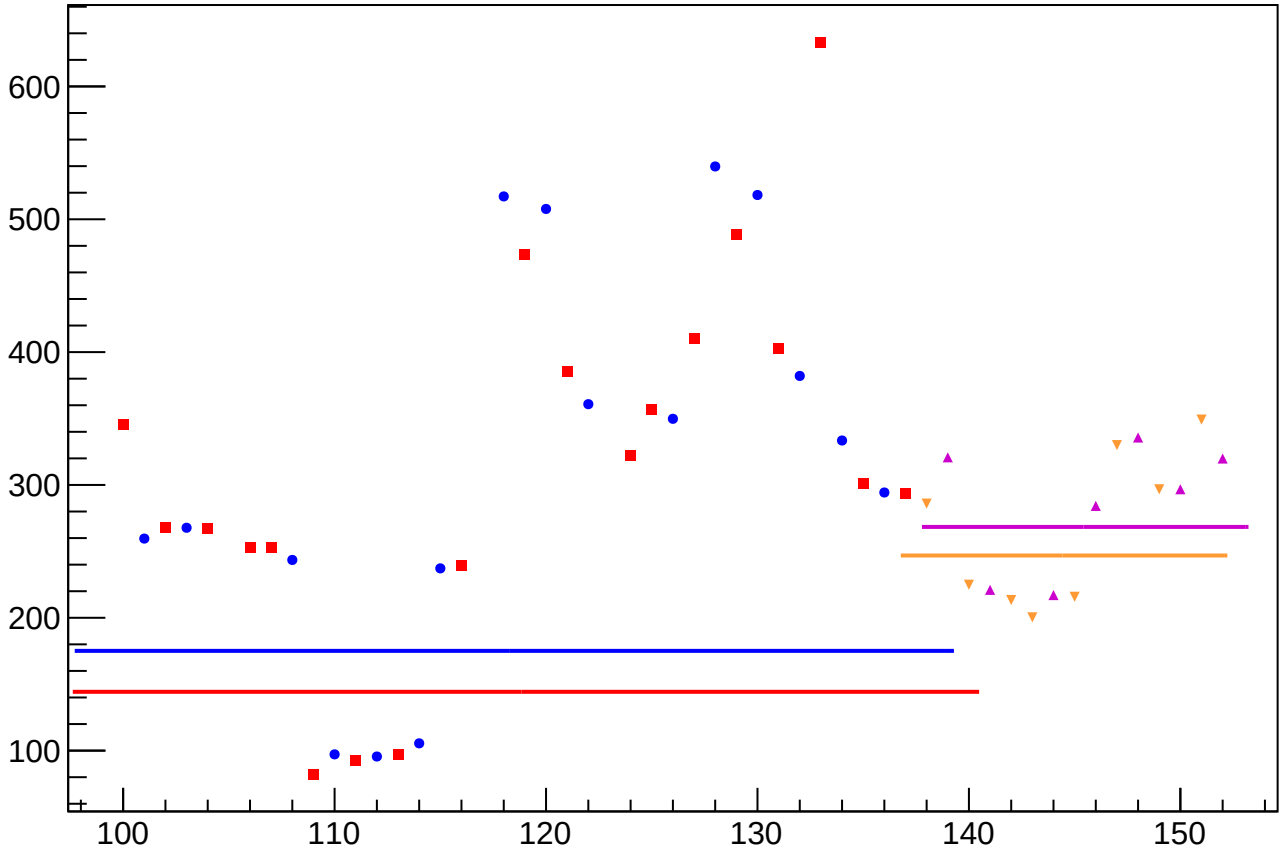
Left In: -45.302+/-110.286 χ^2/NDF:9.5/6

+ sign -152.911+/-62.197 χ^2/NDF: 35.5/23

All: -78.204+/-41.852 χ^2/NDF: 59.7/49

- sign -16.389+/-56.576 χ^2/NDF: 21.6/25

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 246.889+/-0.072 χ^2/NDF:481816.0/7

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

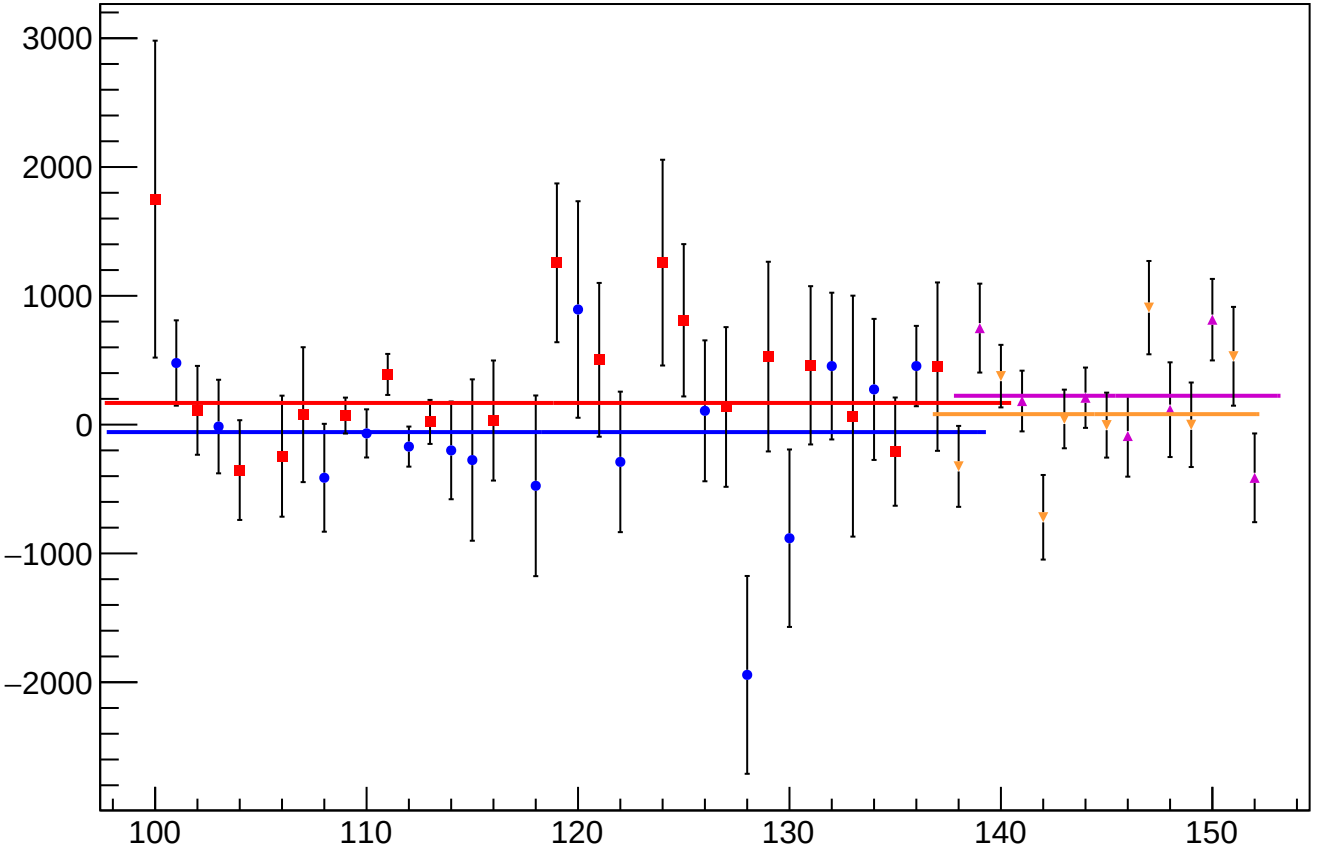
Left In: 268.404+/-0.078 χ^2/NDF:359737.6/6

+ sign 202.021+/-0.044 χ^2/NDF: 5535426.8/23

All: 188.297+/-0.030 χ^2/NDF: 13072313.7/49

- sign 176.942+/-0.040 χ^2/NDF: 7358956.3/25

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 81.411+/-102.548 χ^2/NDF:15.9/7

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

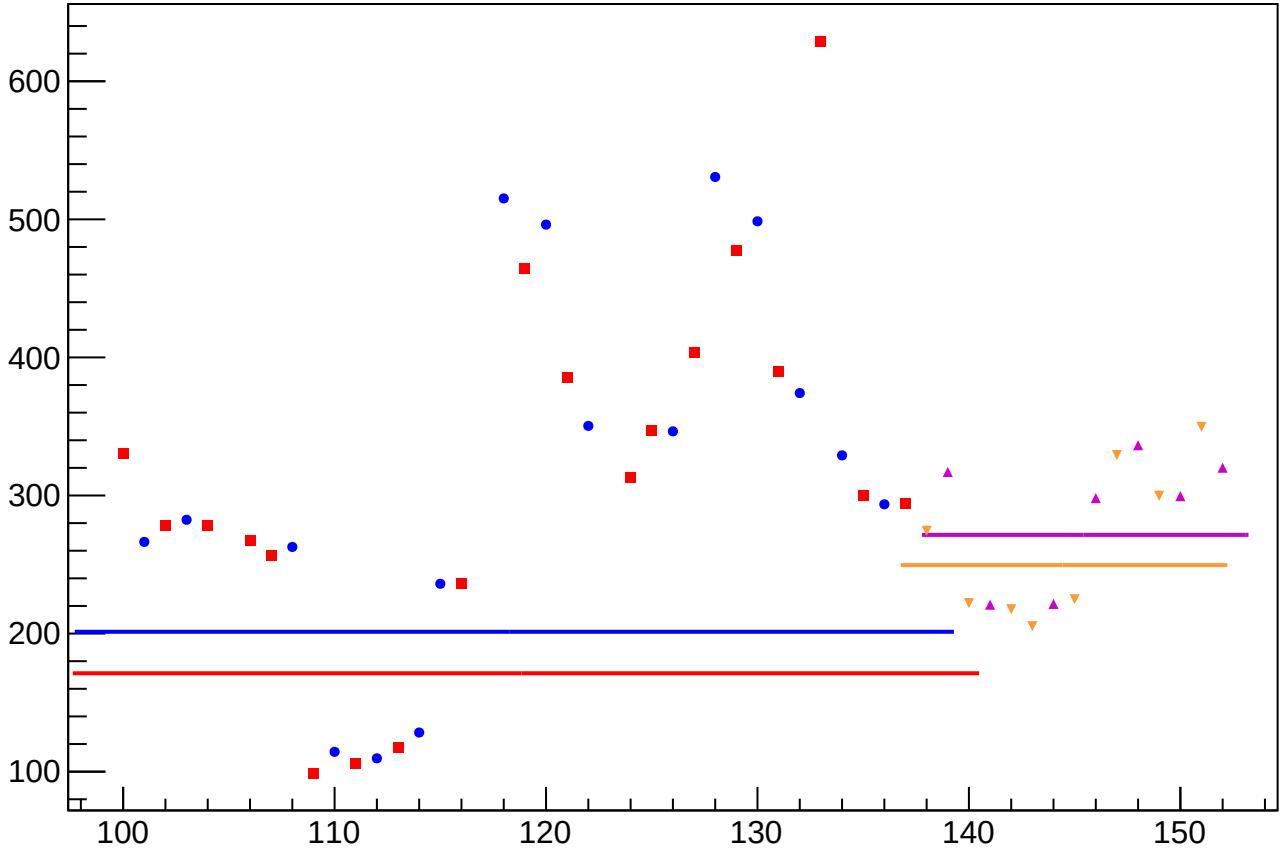
Left In: 224.054+/-111.470 χ^2/NDF:10.3/6

+ sign 0.278+/-66.293 χ^2/NDF: 34.3/23

All: 99.119+/-45.281 χ^2/NDF: 64.5/49

- sign 185.561+/-61.996 χ^2/NDF: 26.0/25

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 249.583+/-0.073 χ^2/NDF:431836.3/7

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

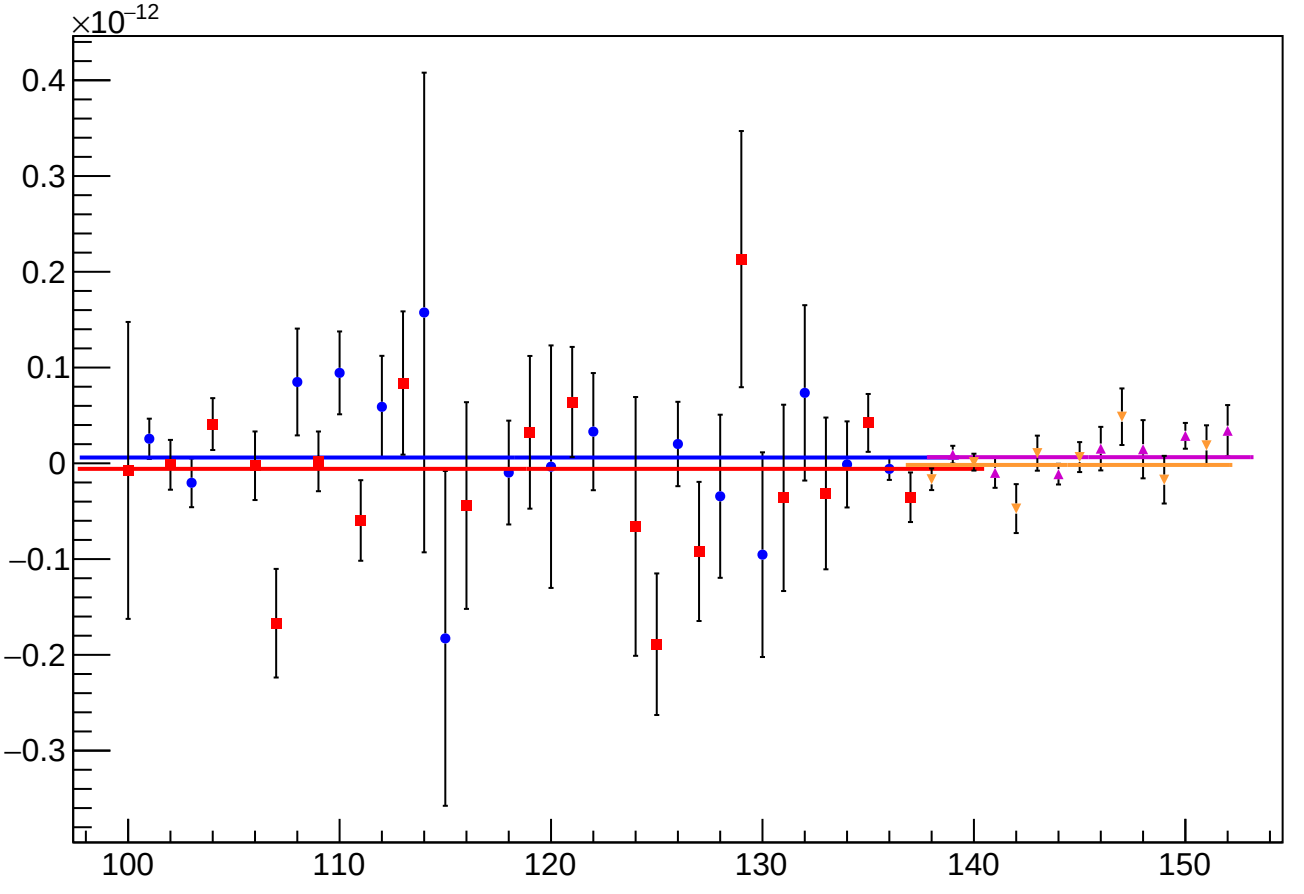
Left In: 271.457+/-0.079 χ^2/NDF:350245.8/6

+ sign 221.479+/-0.047 χ^2/NDF: 4262103.4/23

All: 211.220+/-0.032 χ^2/NDF: 10010970.7/49

- sign 202.247+/-0.044 χ^2/NDF: 5659080.8/25

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:10.0/7

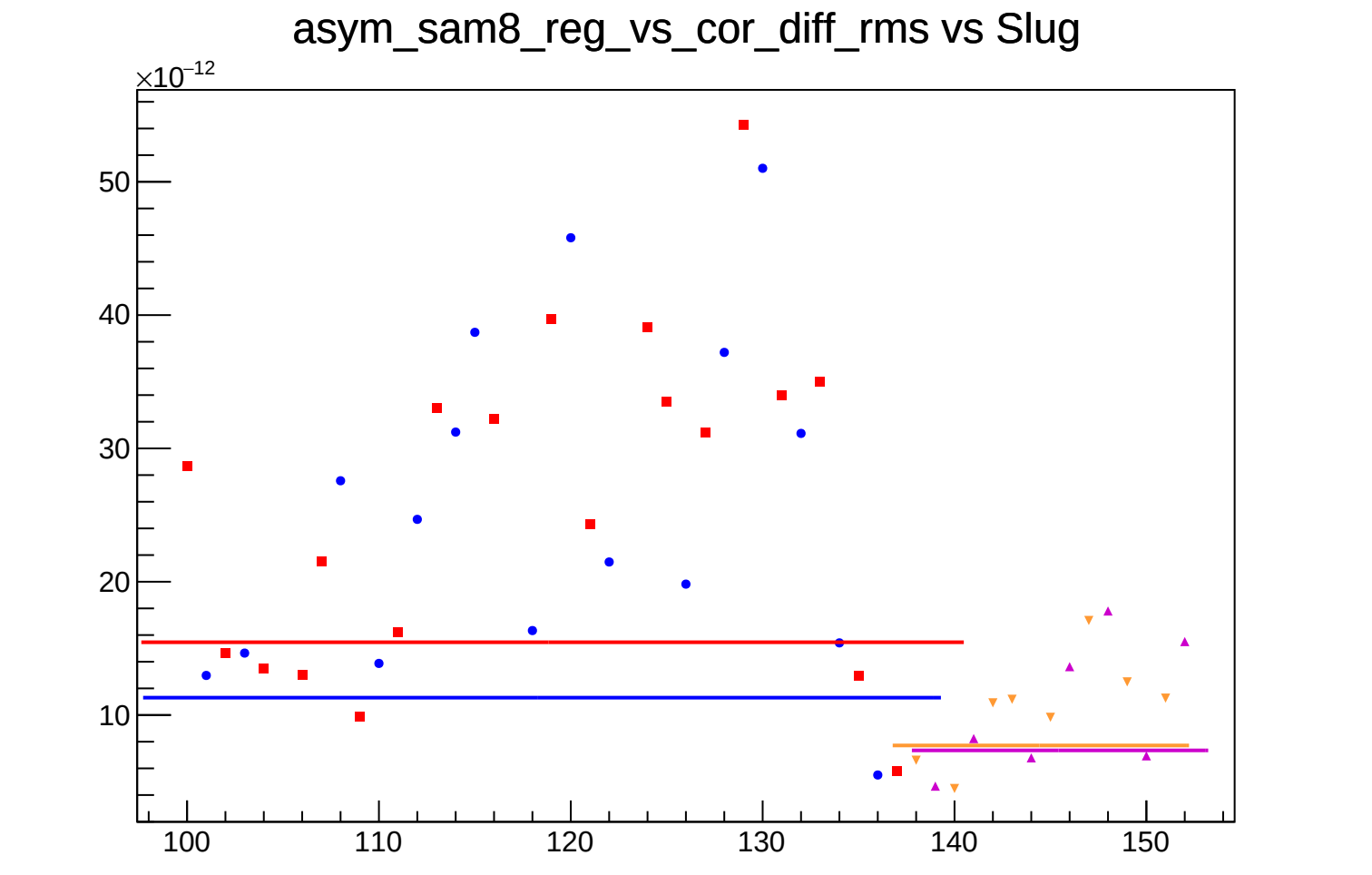
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/6

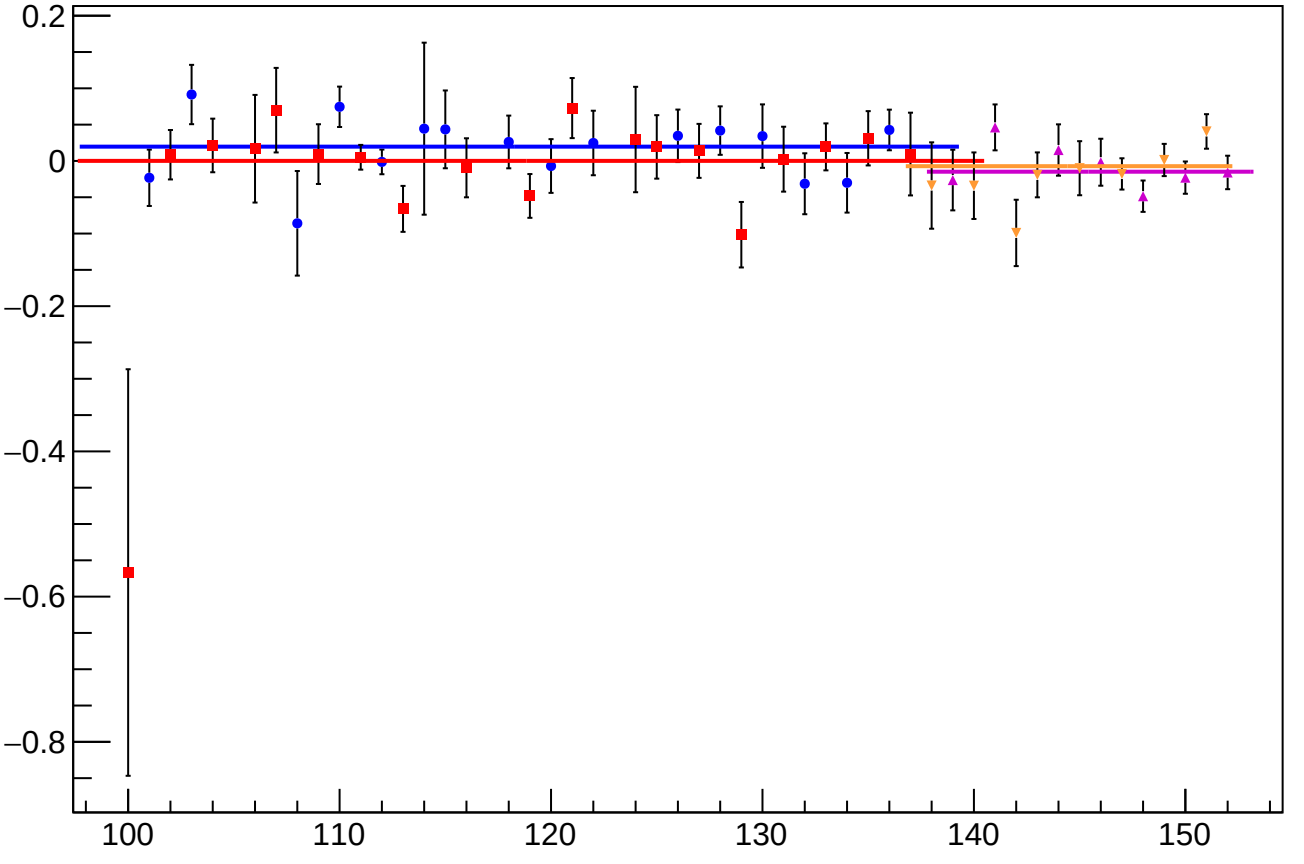
+ sign 0.000+/-0.000 χ^2/NDF: 24.4/23

All: 0.000+/-0.000 χ^2/NDF: 64.2/49

- sign 0.000+/-0.000 χ^2/NDF: 39.5/25


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:760133.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:757105.4/6
+ sign 0.000+/-0.000 χ²/NDF: 2813161.3/23
All: 0.000+/-0.000 χ²/NDF: 6006758.6/49
- sign 0.000+/-0.000 χ²/NDF: 3188304.5/25

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.011 χ^2/NDF:9.2/7

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

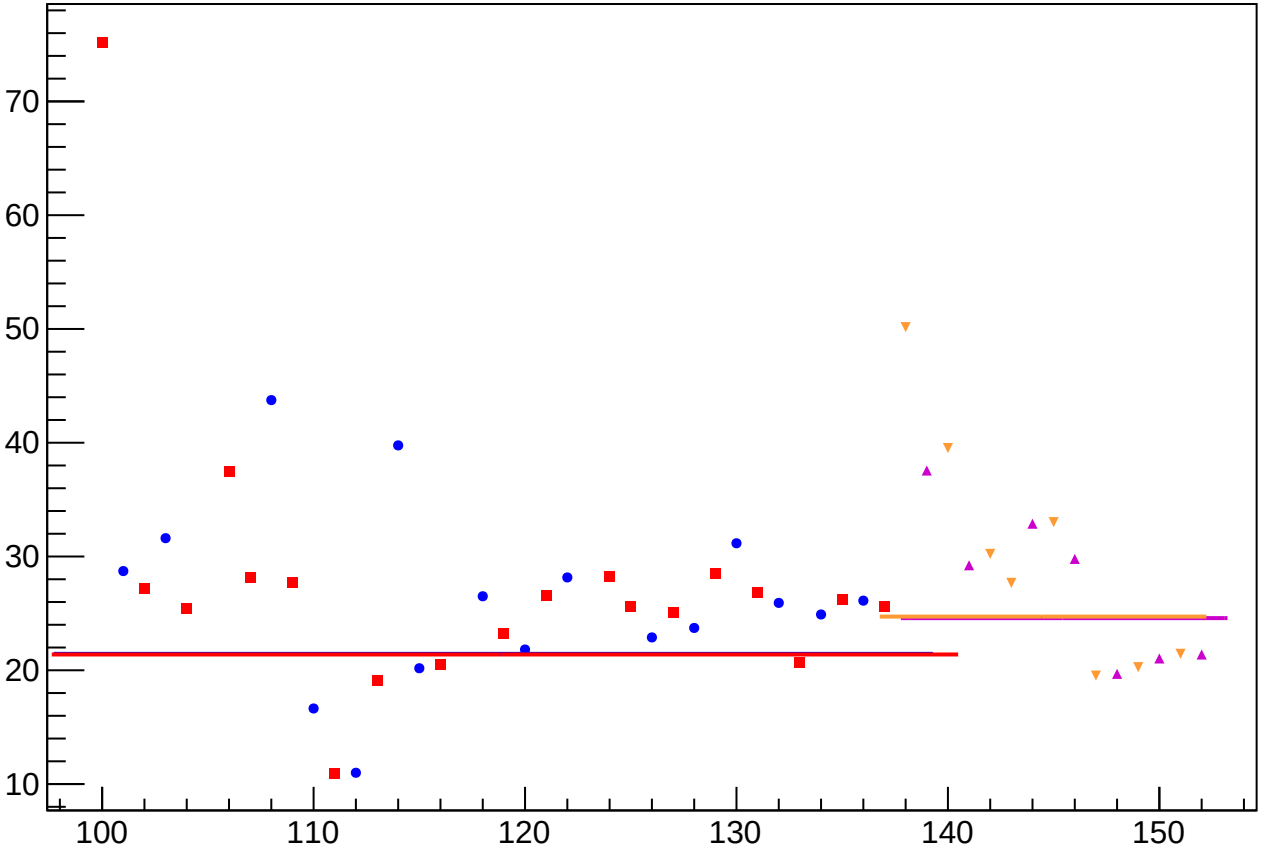
Left In: -0.015+/-0.010 χ^2/NDF:7.3/6

+ sign 0.009+/-0.007 χ^2/NDF: 30.1/23

All: 0.001+/-0.005 χ^2/NDF: 63.9/49

- sign -0.006+/-0.007 χ^2/NDF: 31.3/25

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.719+/-0.007 χ^2/NDF:955810.6/7

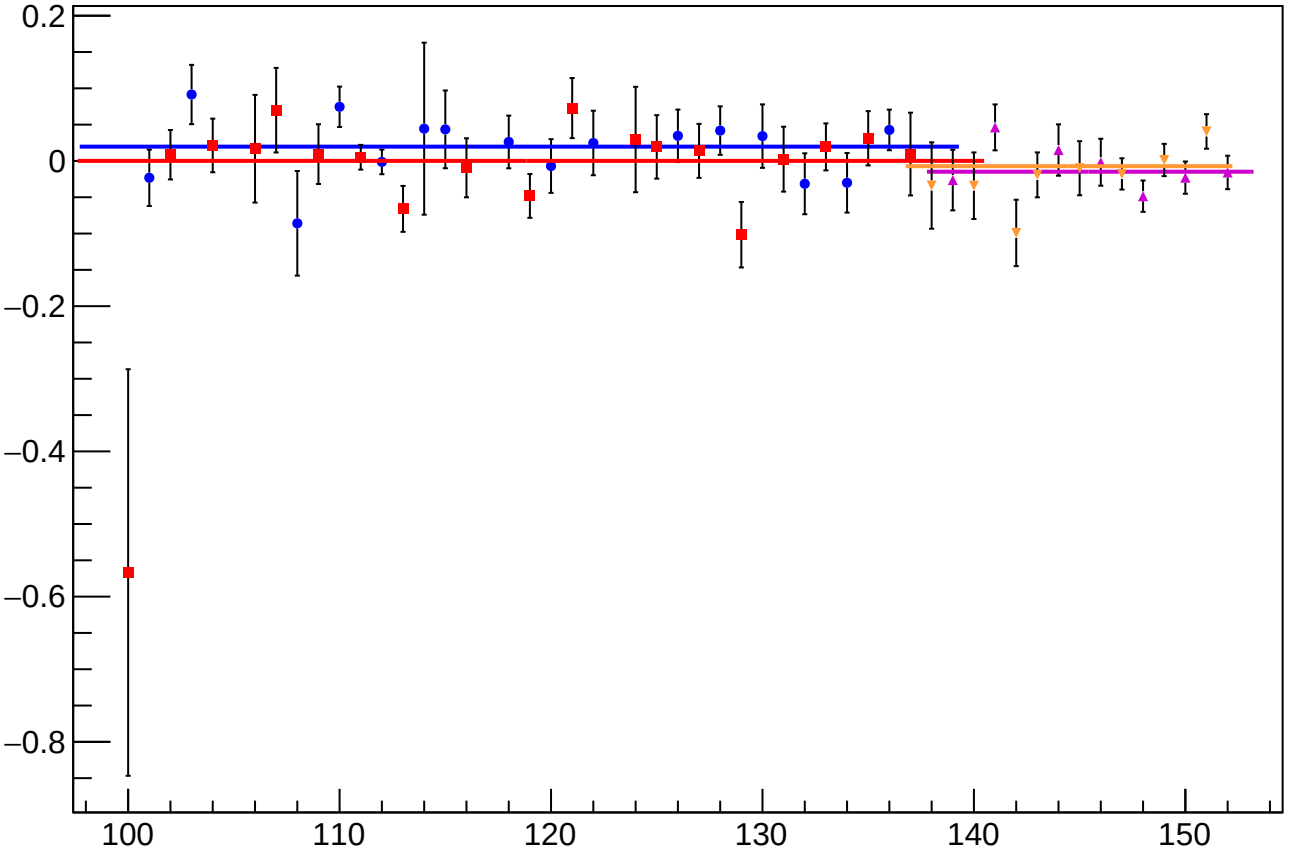
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.585+/-0.007 χ^2/NDF:590445.4/6

+ sign 22.765+/-0.005 χ^2/NDF: 2611252.4/23

All: 22.722+/-0.003 χ^2/NDF: 4627890.3/49

- sign 22.682+/-0.005 χ^2/NDF: 2016481.2/25



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.011 χ^2/NDF:9.2/7

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

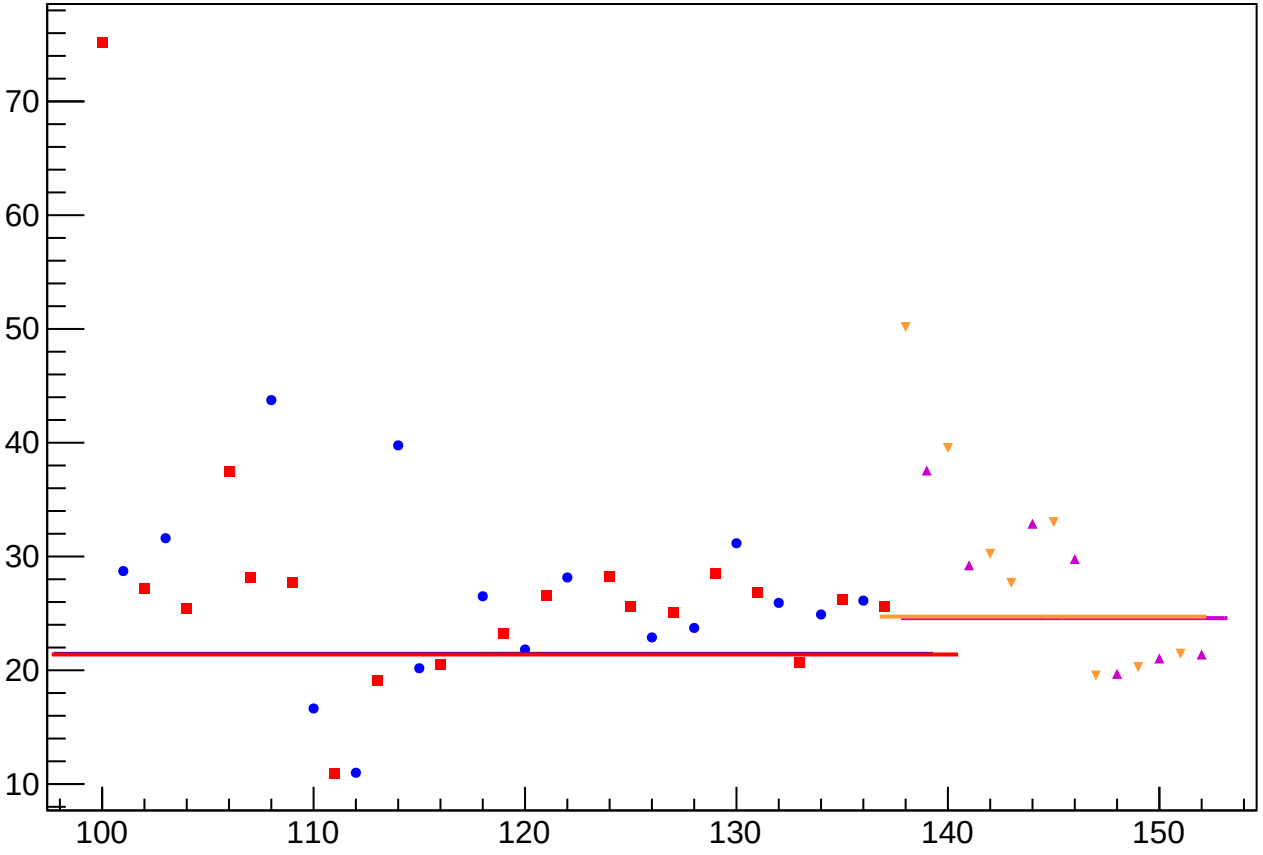
Left In: -0.015+/-0.010 χ^2/NDF:7.3/6

+ sign 0.009+/-0.007 χ^2/NDF: 30.1/23

All: 0.001+/-0.005 χ^2/NDF: 63.9/49

- sign -0.006+/-0.007 χ^2/NDF: 31.3/25

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.719+/-0.007 χ^2/NDF:955810.6/7

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

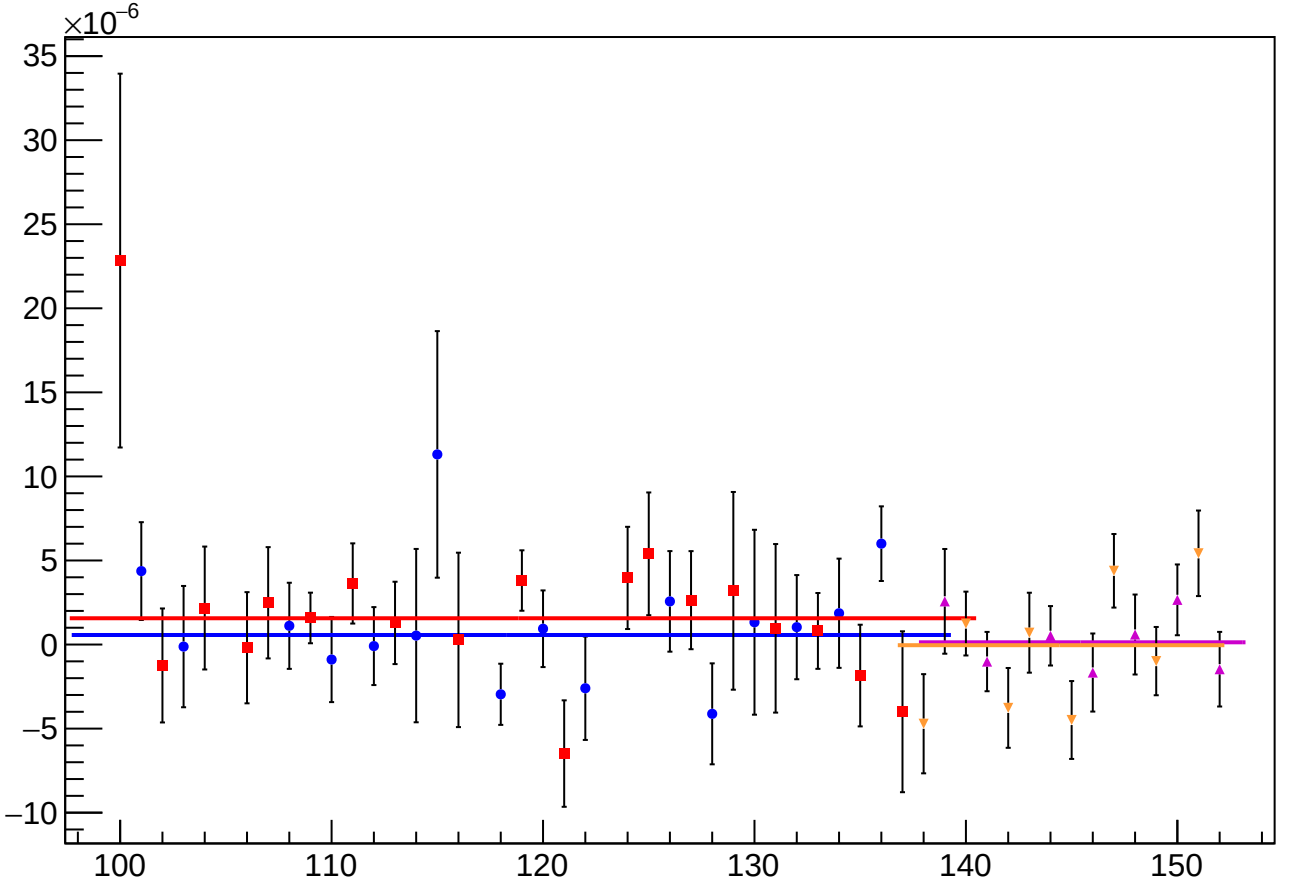
Left In: 24.585+/-0.007 χ^2/NDF:590445.4/6

+ sign 22.765+/-0.005 χ^2/NDF: 2611252.4/23

All: 22.722+/-0.003 χ^2/NDF: 4627890.3/49

- sign 22.682+/-0.005 χ^2/NDF: 2016481.2/25

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:18.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

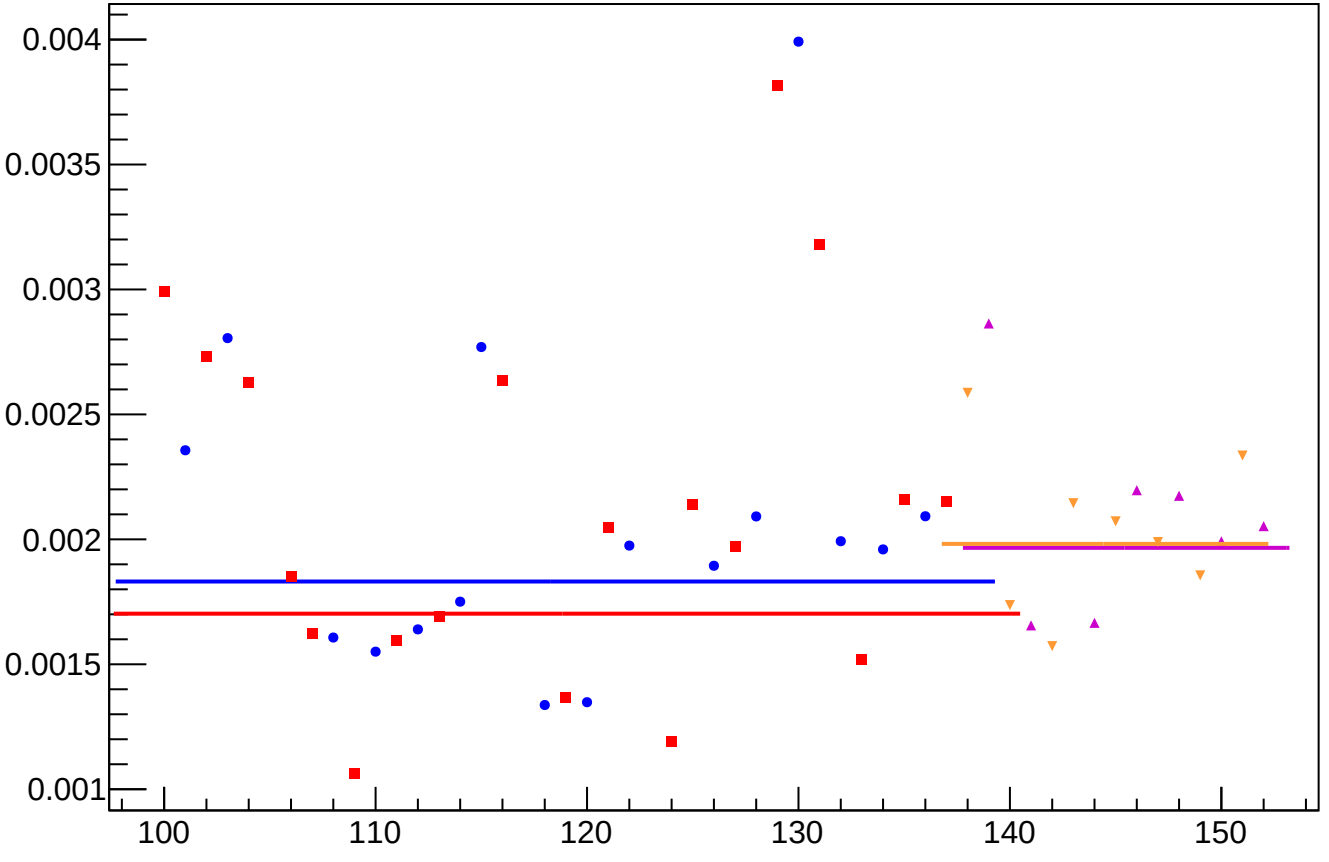
Left In: 0.000+/-0.000 χ^2/NDF:3.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/23

All: 0.000+/-0.000 χ^2/NDF: 61.4/49

- sign 0.000+/-0.000 χ^2/NDF: 23.8/25

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:235462.0/7

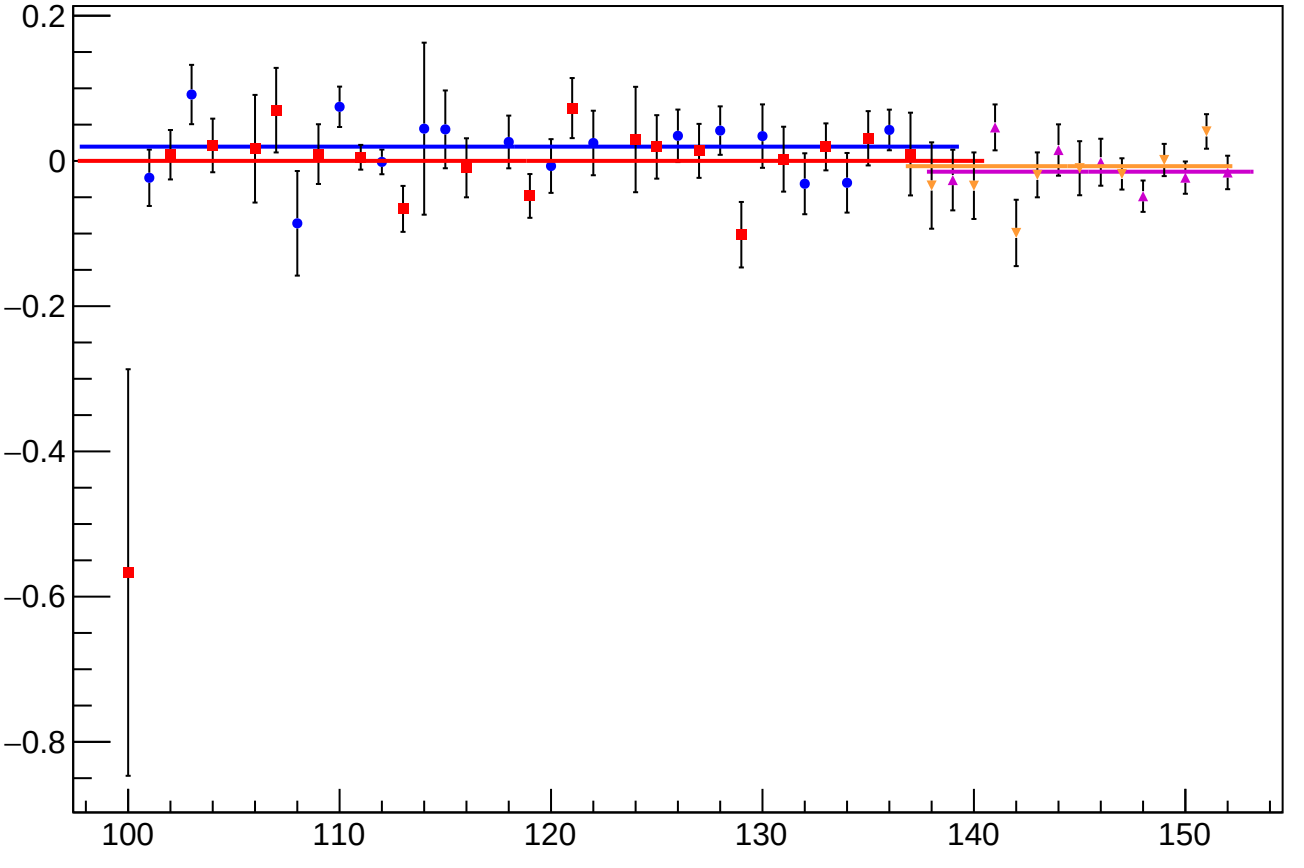
Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:324199.2/6

+ sign 0.002+/-0.000 χ^2/NDF: 1175347.5/23

All: 0.002+/-0.000 χ^2/NDF: 3134491.6/49

- sign 0.002+/-0.000 χ^2/NDF: 1930130.7/25



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.011 χ^2/NDF:9.2/7

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

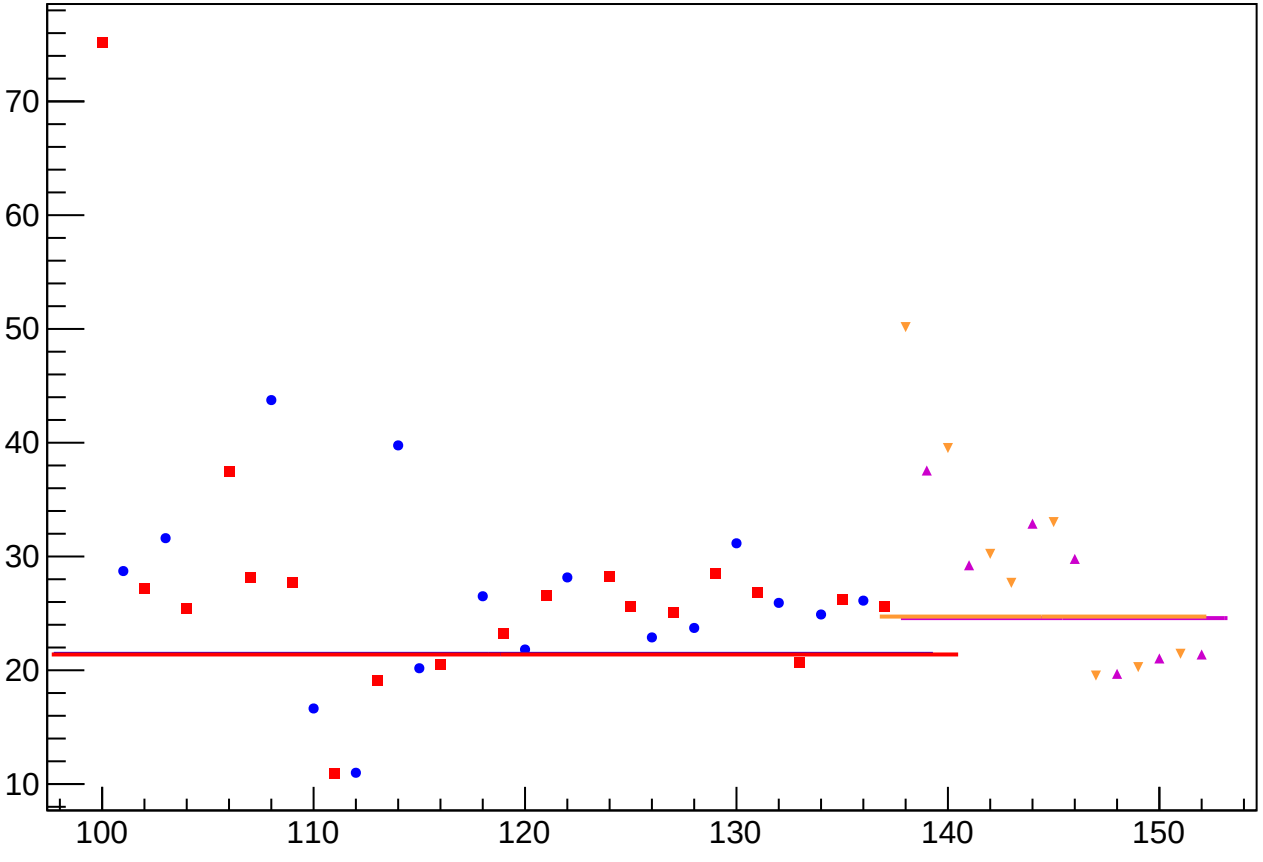
Left In: -0.015+/-0.010 χ^2/NDF:7.3/6

+ sign 0.009+/-0.007 χ^2/NDF: 30.1/23

All: 0.001+/-0.005 χ^2/NDF: 63.9/49

- sign -0.006+/-0.007 χ^2/NDF: 31.3/25

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.720+/-0.007 χ^2/NDF:955802.9/7

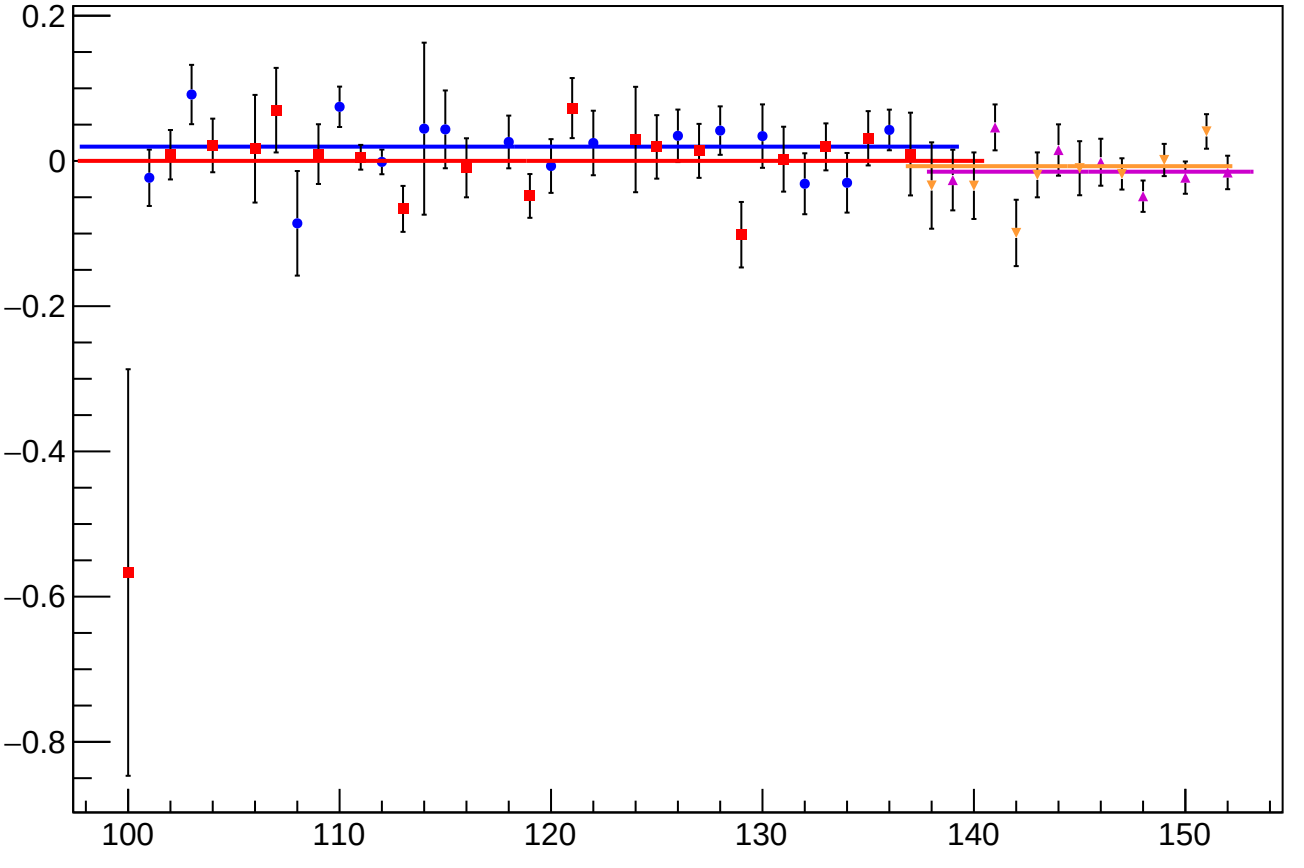
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.585+/-0.007 χ^2/NDF:590437.9/6

+ sign 22.764+/-0.005 χ^2/NDF: 2611456.6/23

All: 22.722+/-0.003 χ^2/NDF: 4628273.5/49

- sign 22.681+/-0.005 χ^2/NDF: 2016660.2/25



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.011 χ^2/NDF:9.2/7

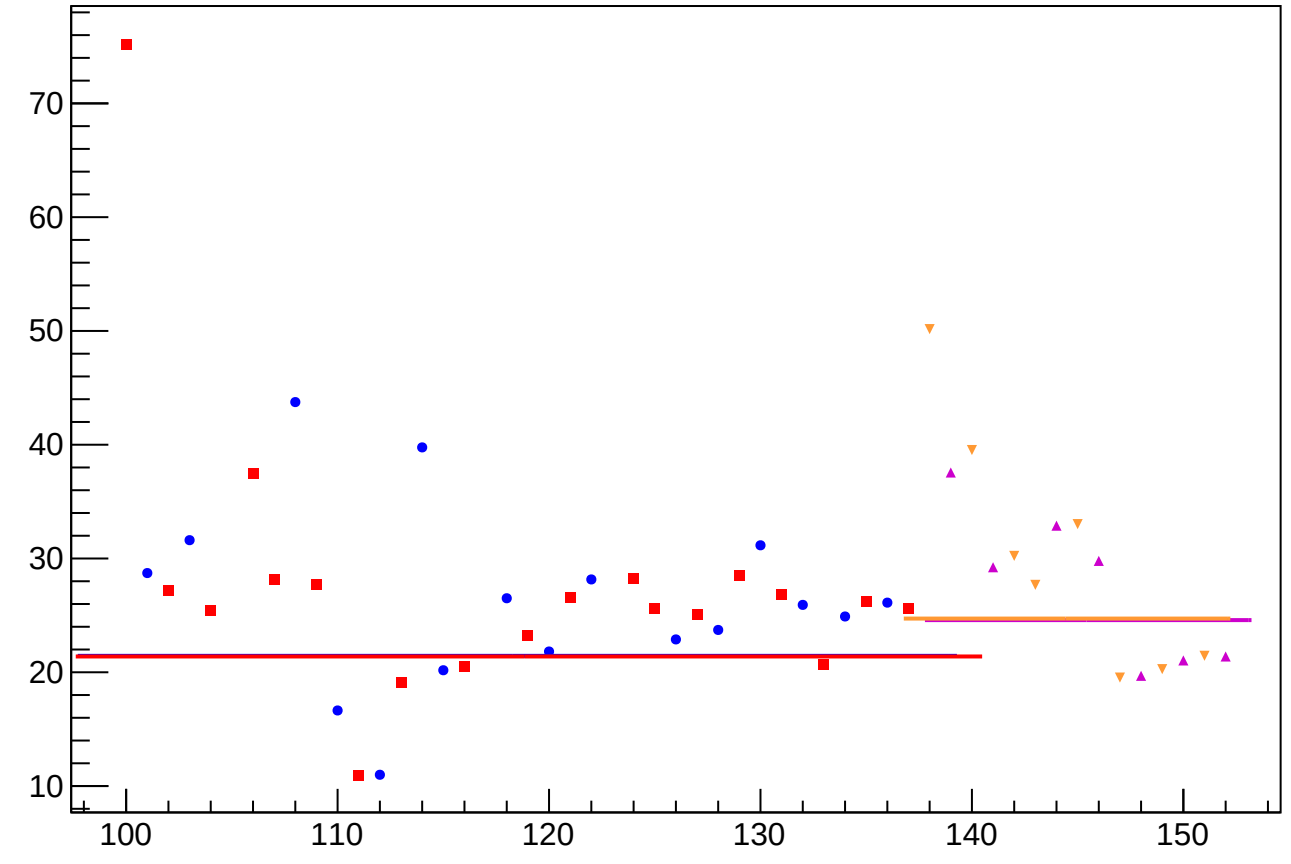
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.015+/-0.010 χ^2/NDF:7.3/6

+ sign 0.009+/-0.007 χ^2/NDF: 30.1/23

All: 0.001+/-0.005 χ^2/NDF: 63.9/49

- sign -0.006+/-0.007 χ^2/NDF: 31.3/25



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.720+/-0.007 χ^2/NDF:955802.9/7

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

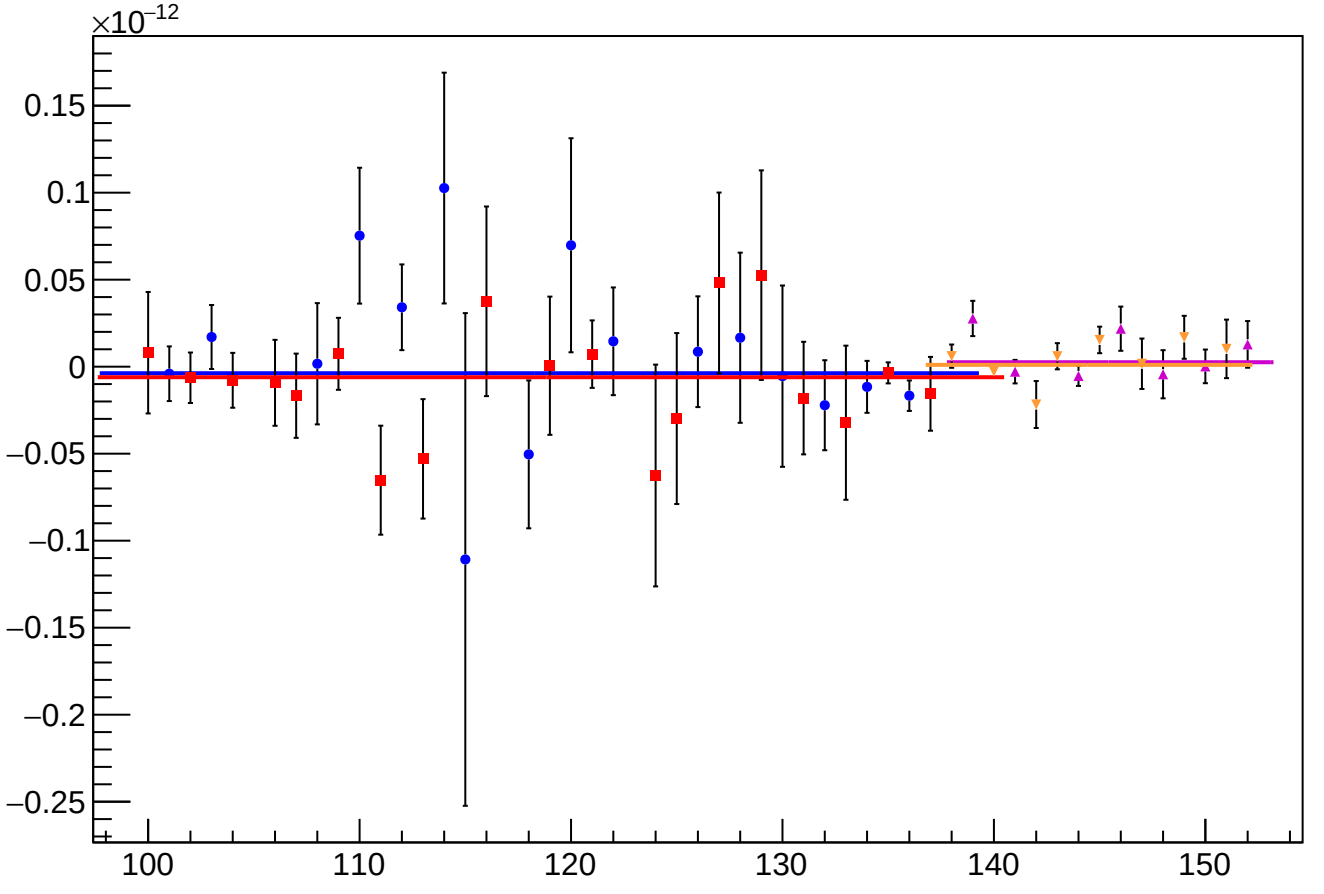
Left In: 24.585+/-0.007 χ^2/NDF:590437.9/6

+ sign 22.764+/-0.005 χ^2/NDF: 2611456.6/23

All: 22.722+/-0.003 χ^2/NDF: 4628273.5/49

- sign 22.681+/-0.005 χ^2/NDF: 2016660.2/25

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:11.1/7

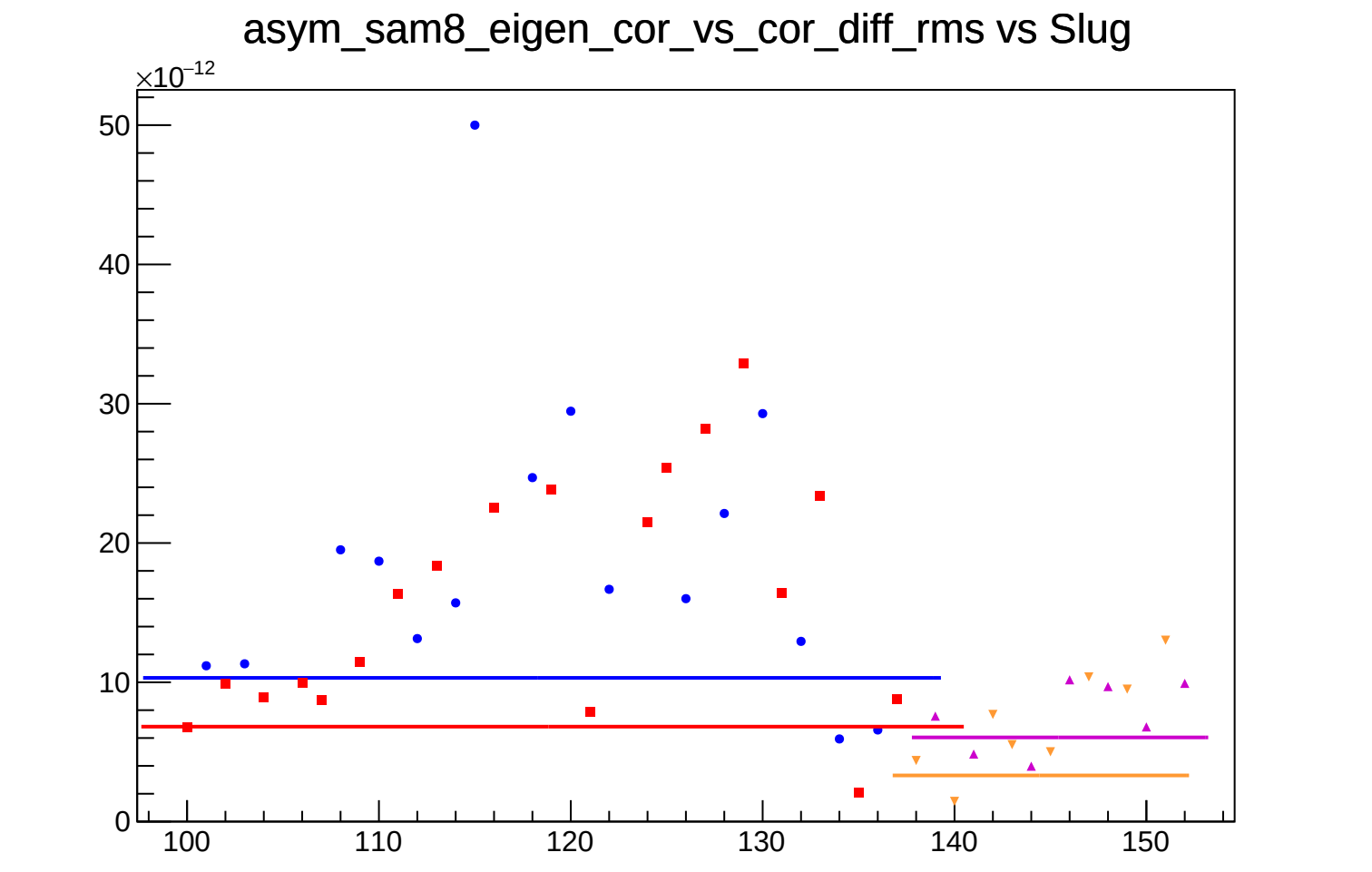
Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 28.9/23

All: -0.000+/-0.000 χ^2/NDF: 54.7/49

- sign -0.000+/-0.000 χ^2/NDF: 25.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3016058.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

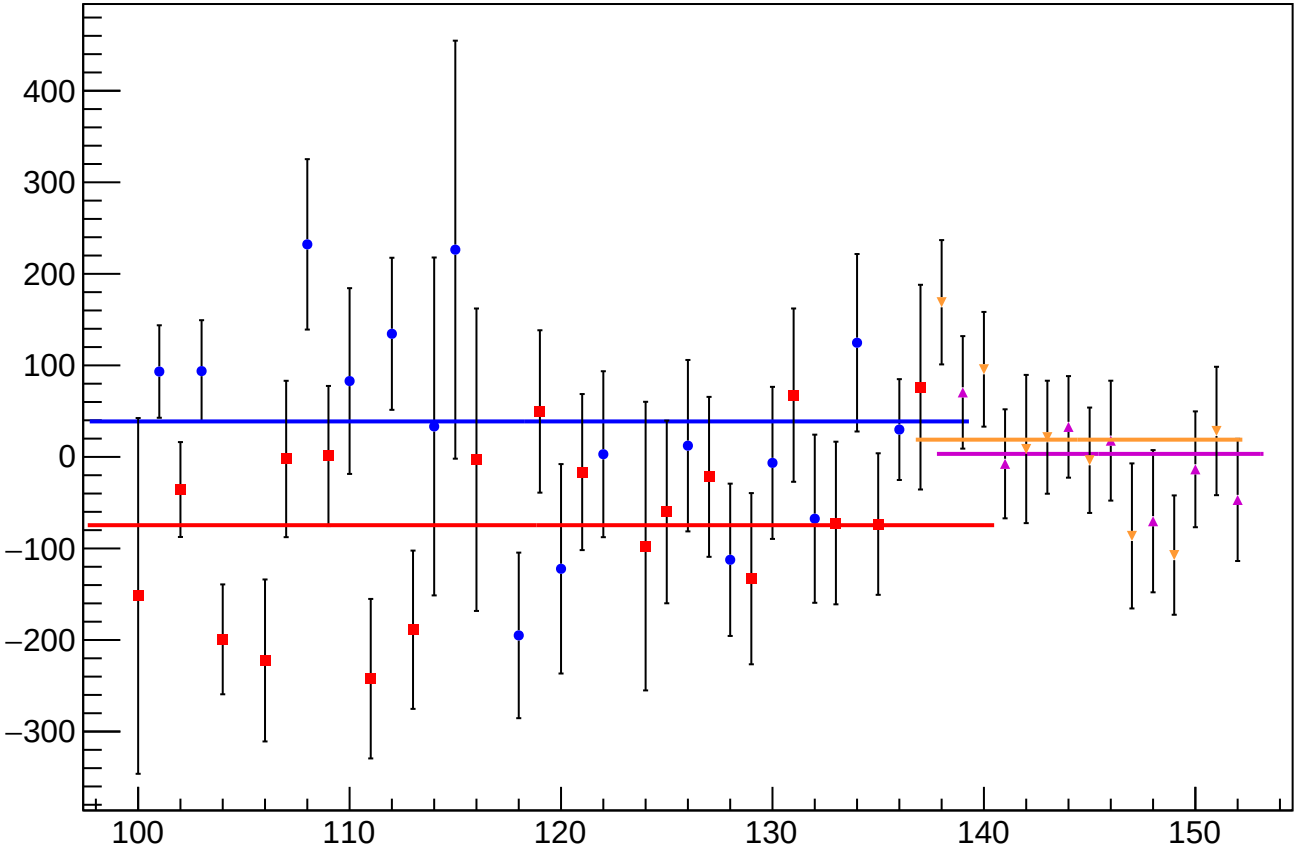
Left In: 0.000+/-0.000 χ^2/NDF:899825.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 7749810.1/23

All: 0.000+/-0.000 χ^2/NDF: 13428709.2/49

- sign 0.000+/-0.000 χ^2/NDF: 4961593.8/25

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 18.851+/-23.661 χ^2/NDF:12.1/7

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

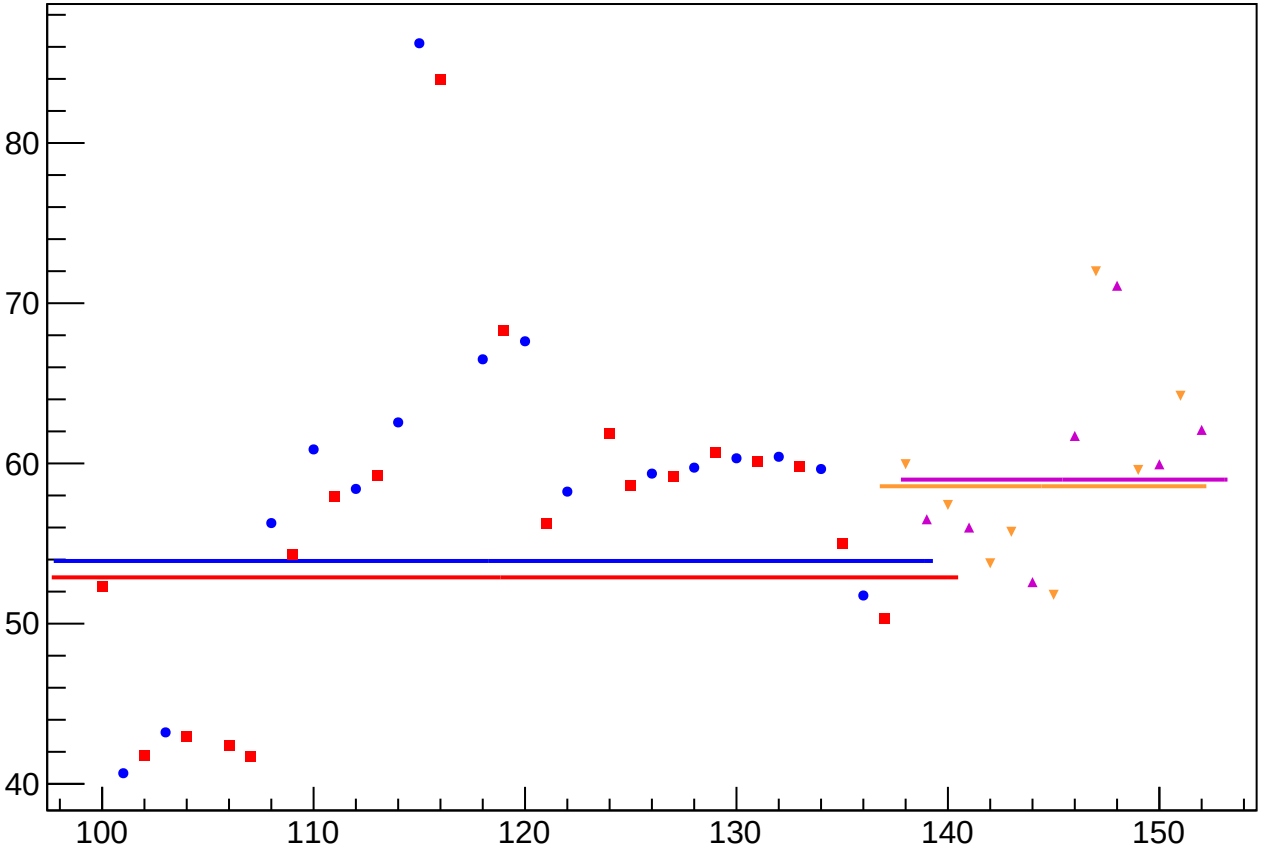
Left In: 3.311+/-23.941 χ^2/NDF:3.1/6

+ sign 30.277+/-15.456 χ^2/NDF: 35.8/23

All: -6.801+/-10.859 χ^2/NDF: 79.0/49

- sign -42.938+/-15.259 χ^2/NDF: 31.8/25

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 58.576+/-0.017 χ^2/NDF:111309.9/7

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

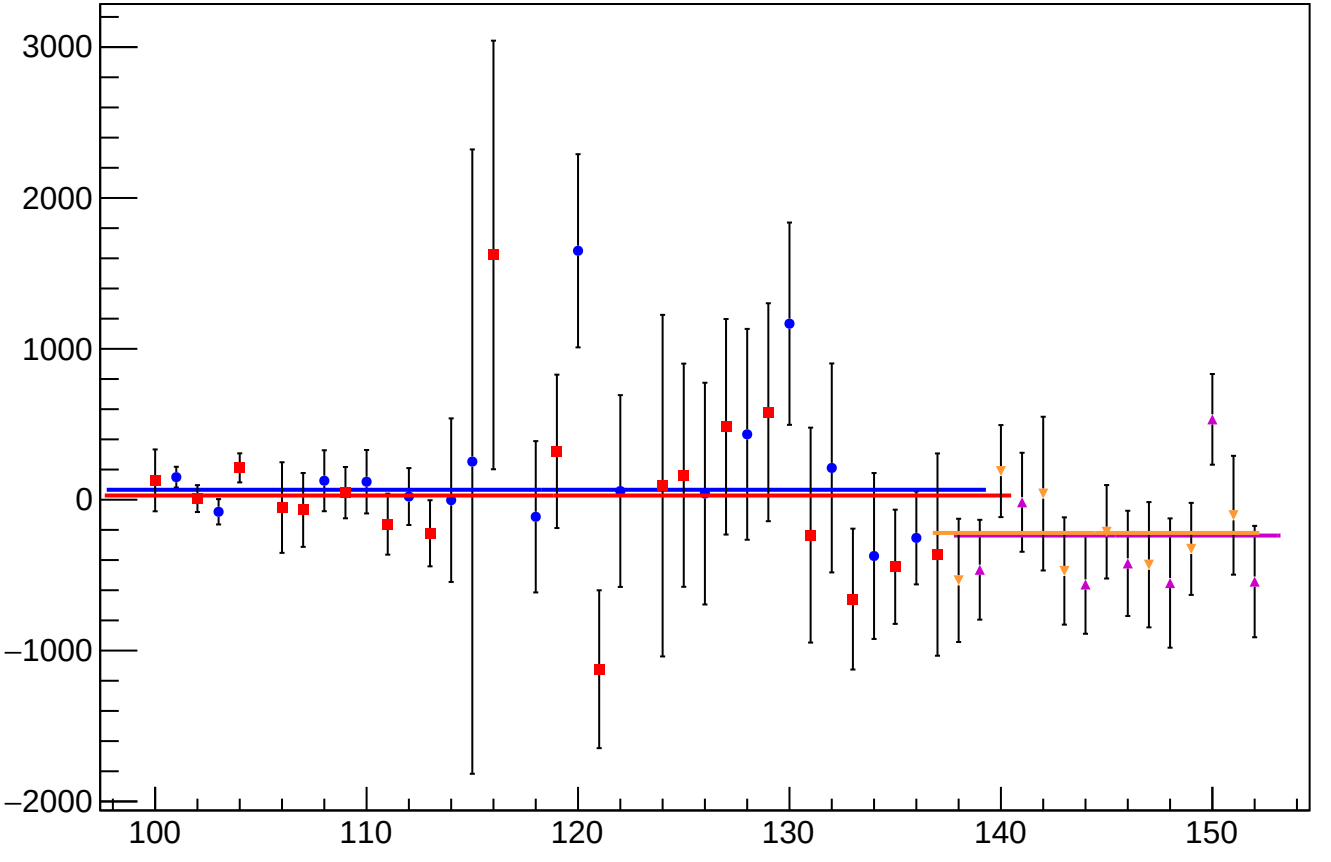
Left In: 58.991+/-0.017 χ^2/NDF:91645.4/6

+ sign 55.902+/-0.011 χ^2/NDF: 549109.2/23

All: 55.631+/-0.008 χ^2/NDF: 1144331.7/49

- sign 55.368+/-0.011 χ^2/NDF: 594011.0/25

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -220.127+/-127.080 χ^2/NDF:3.6/7

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

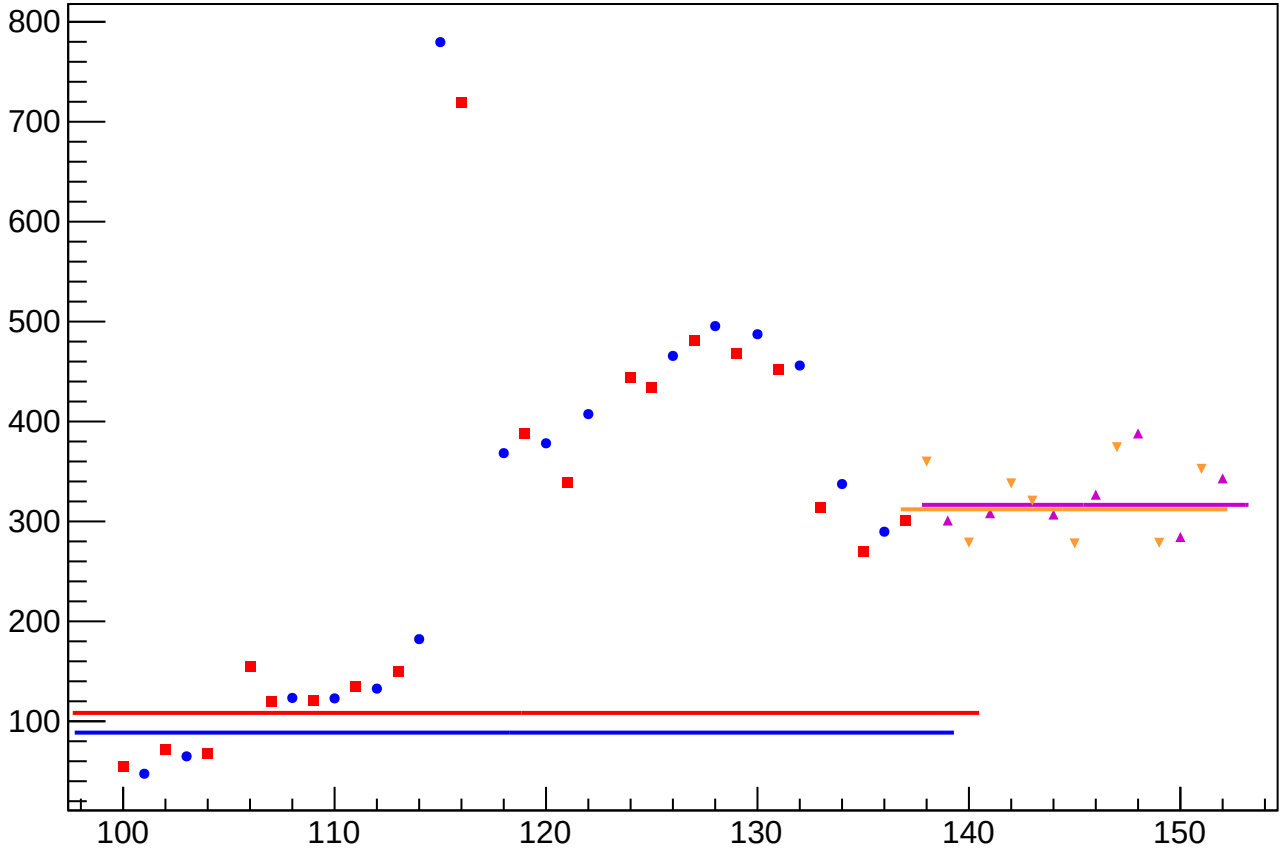
Left In: -237.601+/-129.250 χ^2/NDF:10.0/6

+ sign 32.112+/-43.651 χ^2/NDF: 23.8/23

All: 13.919+/-31.943 χ^2/NDF: 55.8/49

- sign -7.055+/-46.868 χ^2/NDF: 31.6/25

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 312.136+/-0.090 χ^2/NDF:171915.3/7

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

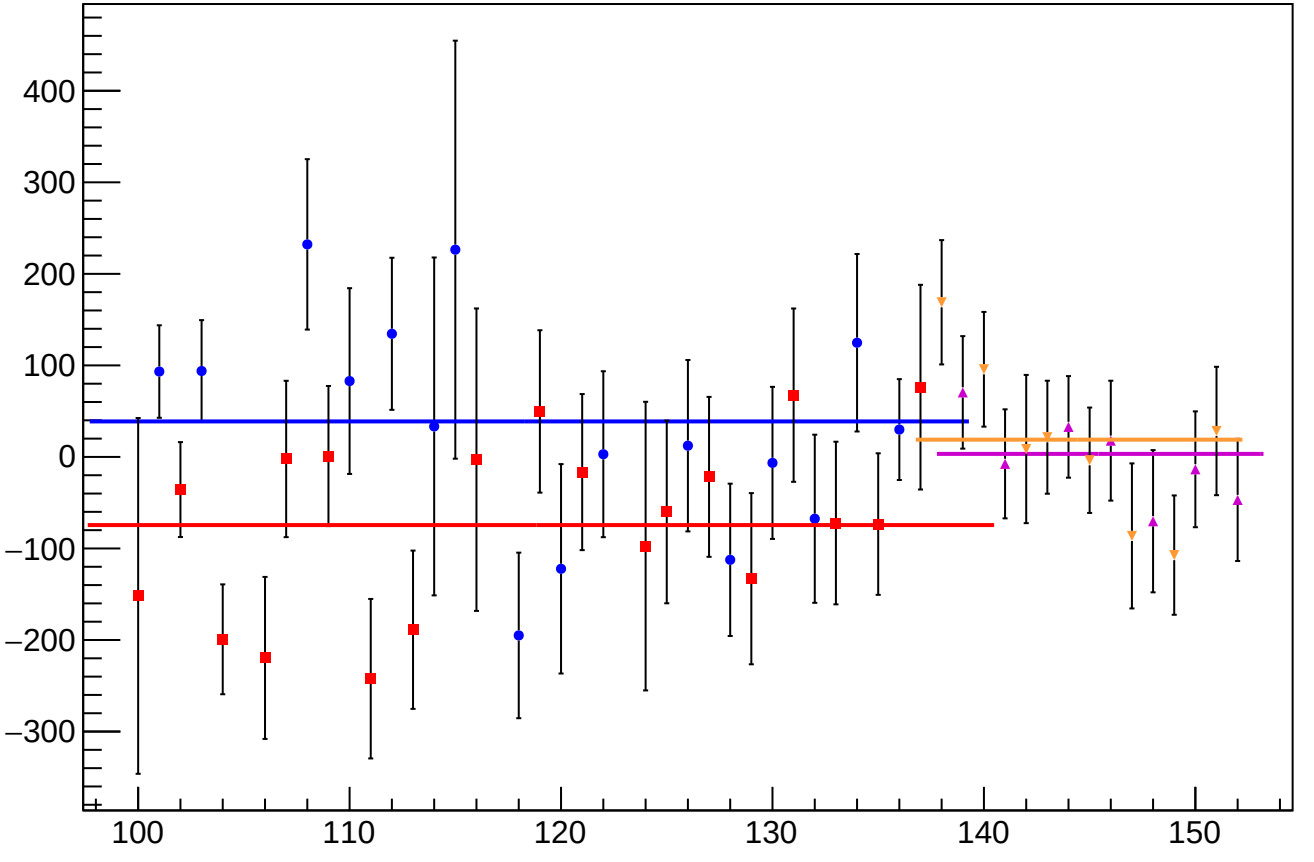
Left In: 316.595+/-0.091 χ^2/NDF:98102.3/6

+ sign 115.025+/-0.031 χ^2/NDF: 12275325.7/23

All: 124.658+/-0.023 χ^2/NDF: 22453572.5/49

- sign 135.763+/-0.033 χ^2/NDF: 9968554.9/25

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 18.854+/-23.661 χ^2/NDF:12.1/7

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

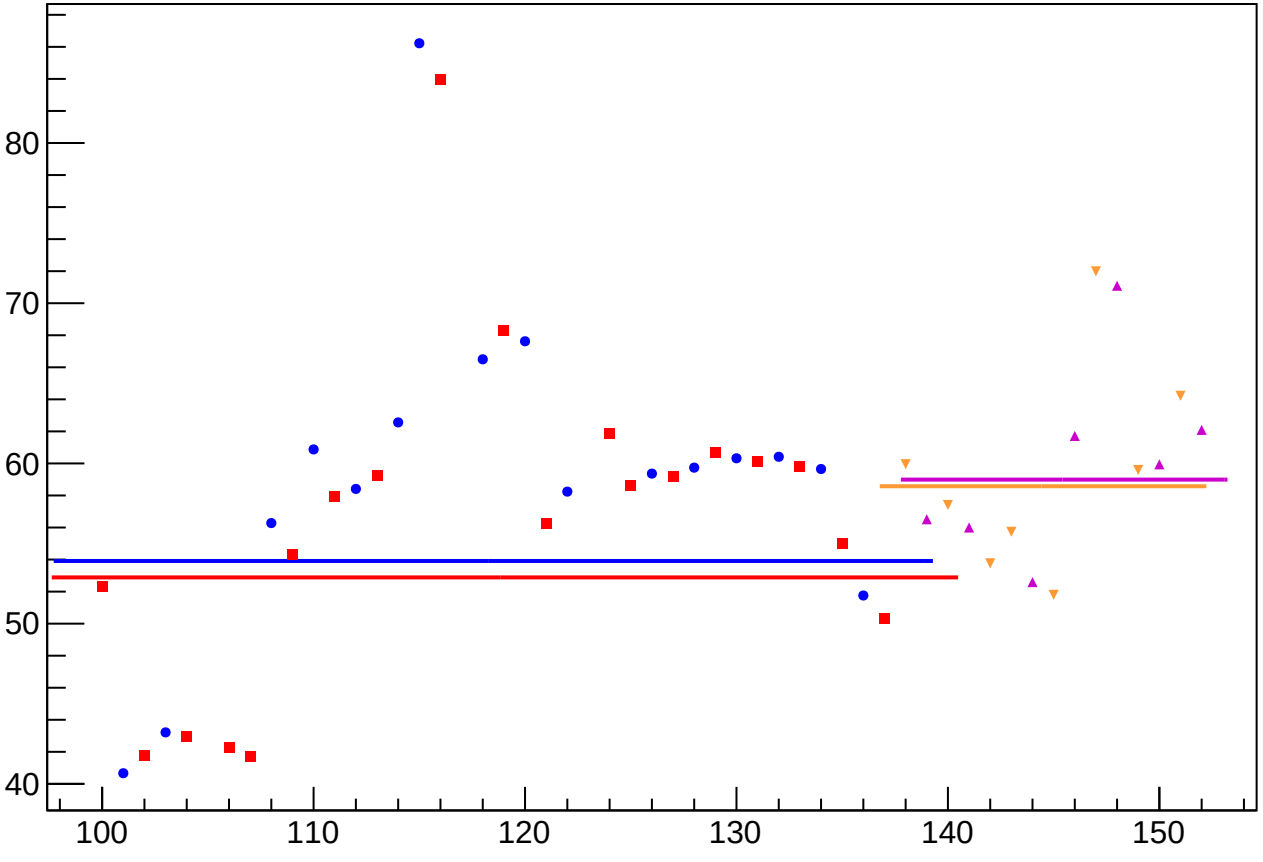
Left In: 3.312+/-23.941 χ^2/NDF:3.1/6

+ sign 30.285+/-15.456 χ^2/NDF: 35.8/23

All: -6.753+/-10.859 χ^2/NDF: 78.8/49

- sign -42.854+/-15.259 χ^2/NDF: 31.7/25

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 58.576+/-0.017 χ^2/NDF:111309.9/7

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

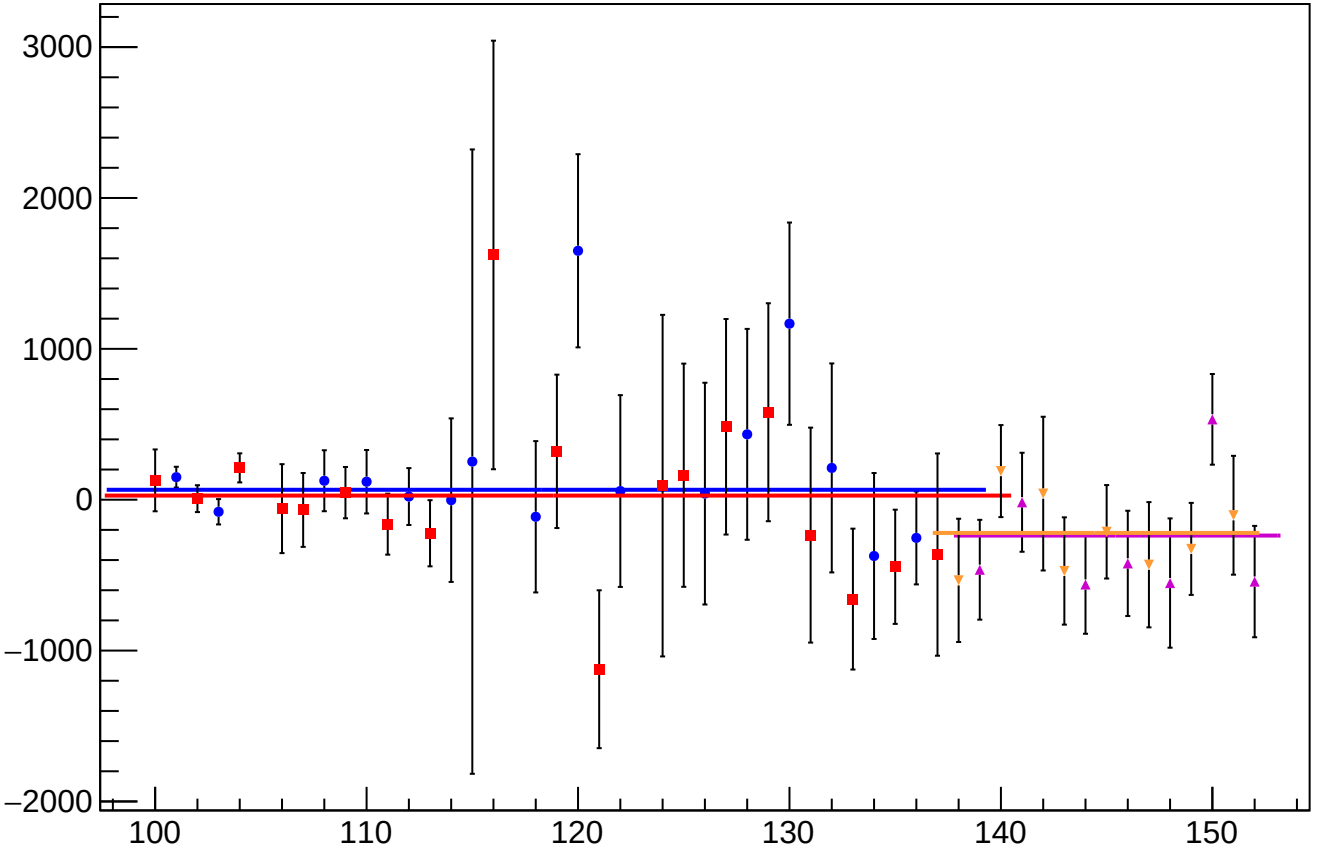
Left In: 58.991+/-0.017 χ^2/NDF:91645.4/6

+ sign 55.902+/-0.011 χ^2/NDF: 549108.4/23

All: 55.631+/-0.008 χ^2/NDF: 1144695.9/49

- sign 55.366+/-0.011 χ^2/NDF: 594370.8/25

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -220.127+/-127.080 χ^2/NDF:3.6/7

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

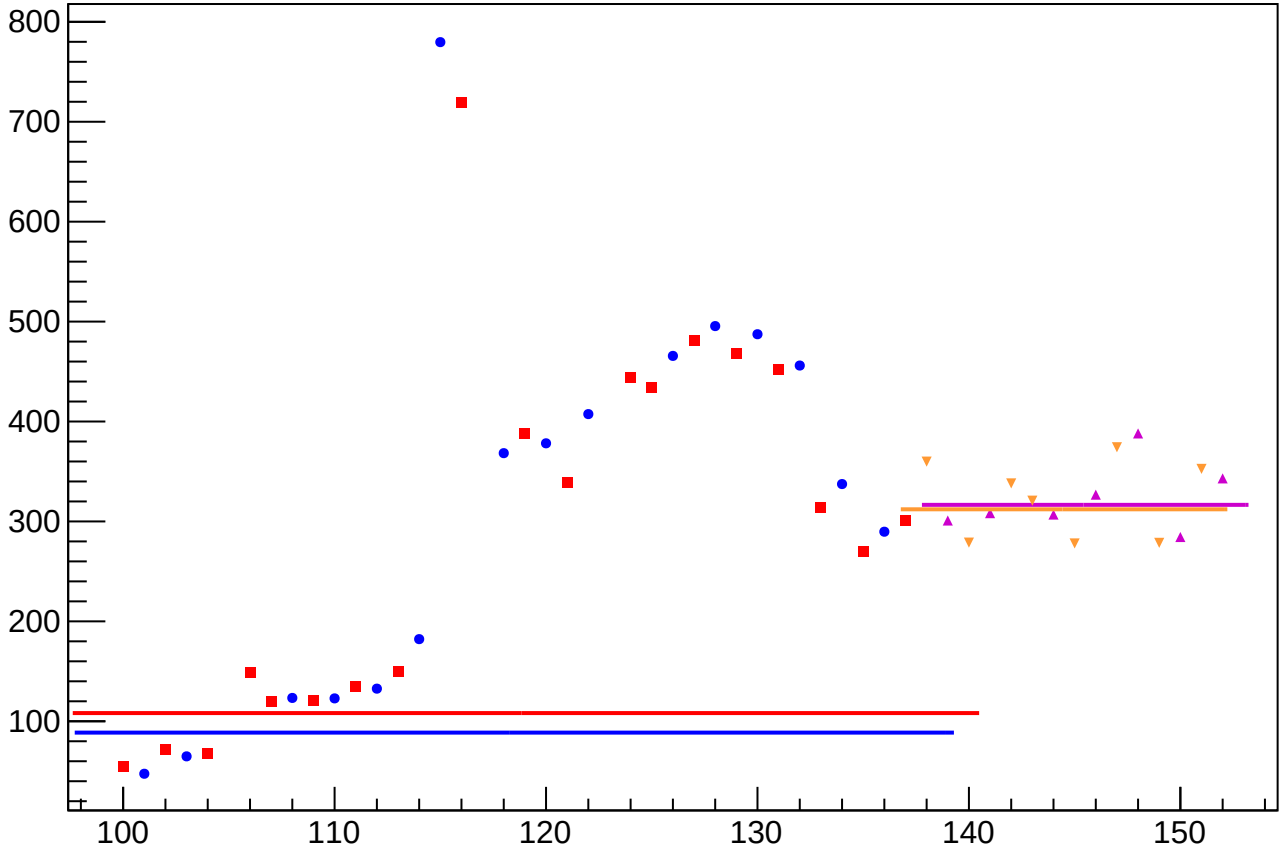
Left In: -237.599+/-129.250 χ^2/NDF:10.0/6

+ sign 32.116+/-43.650 χ^2/NDF: 23.8/23

All: 13.752+/-31.931 χ^2/NDF: 55.8/49

- sign -7.389+/-46.834 χ^2/NDF: 31.6/25

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 312.136+/-0.090 χ^2/NDF:171914.8/7

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

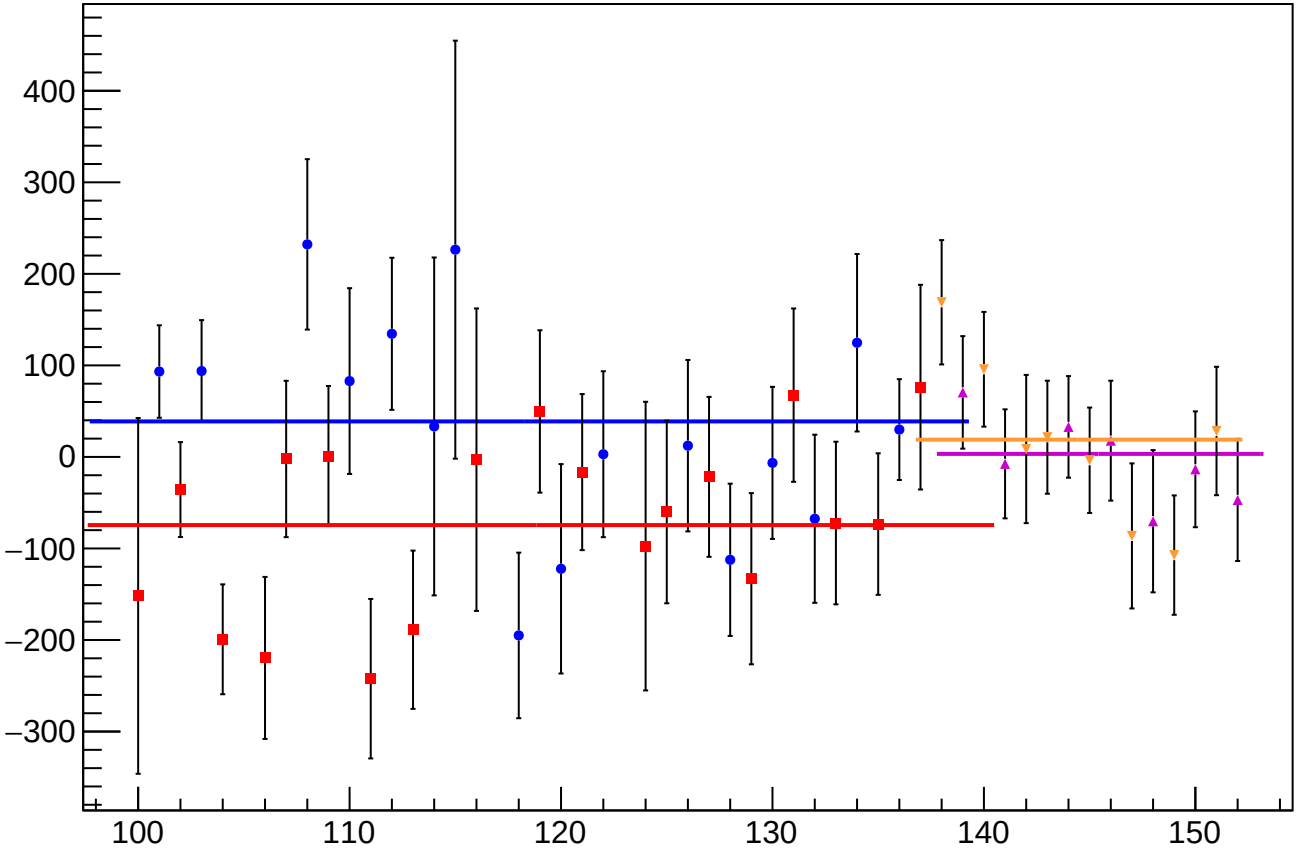
Left In: 316.595+/-0.091 χ^2/NDF:98103.7/6

+ sign 115.022+/-0.031 χ^2/NDF: 12275556.8/23

All: 124.572+/-0.023 χ^2/NDF: 22450863.4/49

- sign 135.568+/-0.033 χ^2/NDF: 9969318.9/25

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 18.854+/-23.661 χ^2/NDF:12.1/7

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

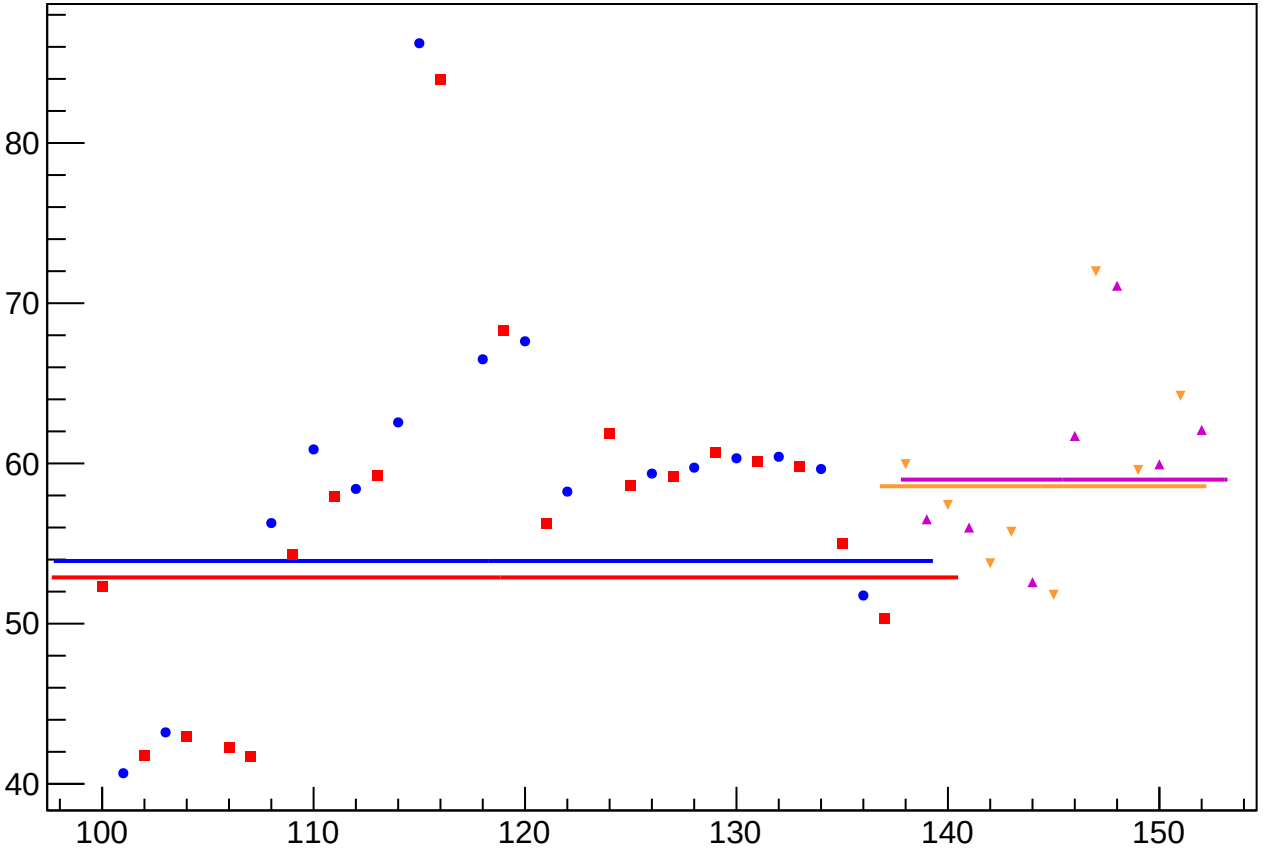
Left In: 3.312+/-23.941 χ^2/NDF:3.1/6

+ sign 30.285+/-15.456 χ^2/NDF: 35.8/23

All: -6.753+/-10.859 χ^2/NDF: 78.8/49

- sign -42.854+/-15.259 χ^2/NDF: 31.7/25

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 58.576+/-0.017 χ^2/NDF:111309.9/7

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

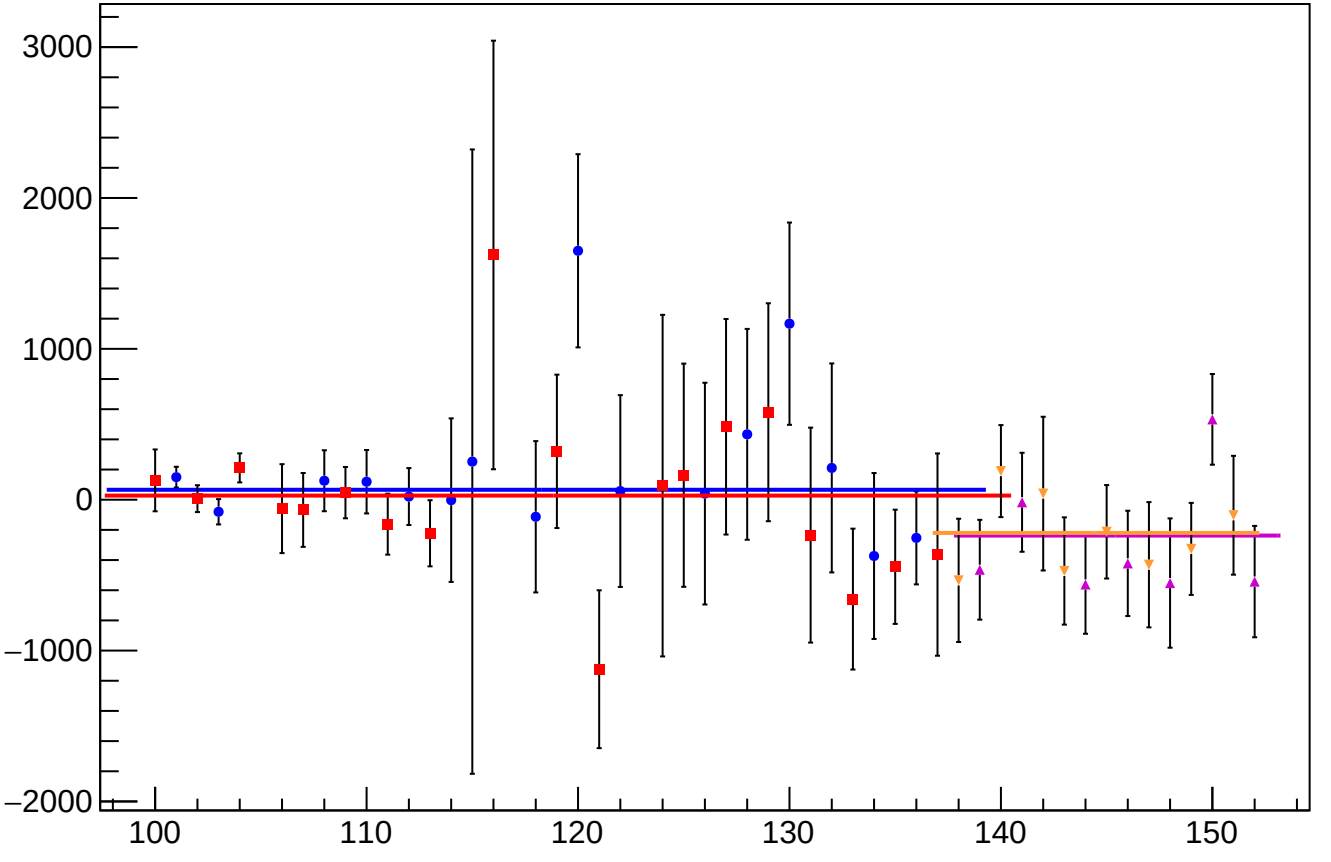
Left In: 58.991+/-0.017 χ^2/NDF:91645.4/6

+ sign 55.902+/-0.011 χ^2/NDF: 549108.4/23

All: 55.631+/-0.008 χ^2/NDF: 1144695.9/49

- sign 55.366+/-0.011 χ^2/NDF: 594370.8/25

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -220.127+/-127.080 χ^2/NDF:3.6/7

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

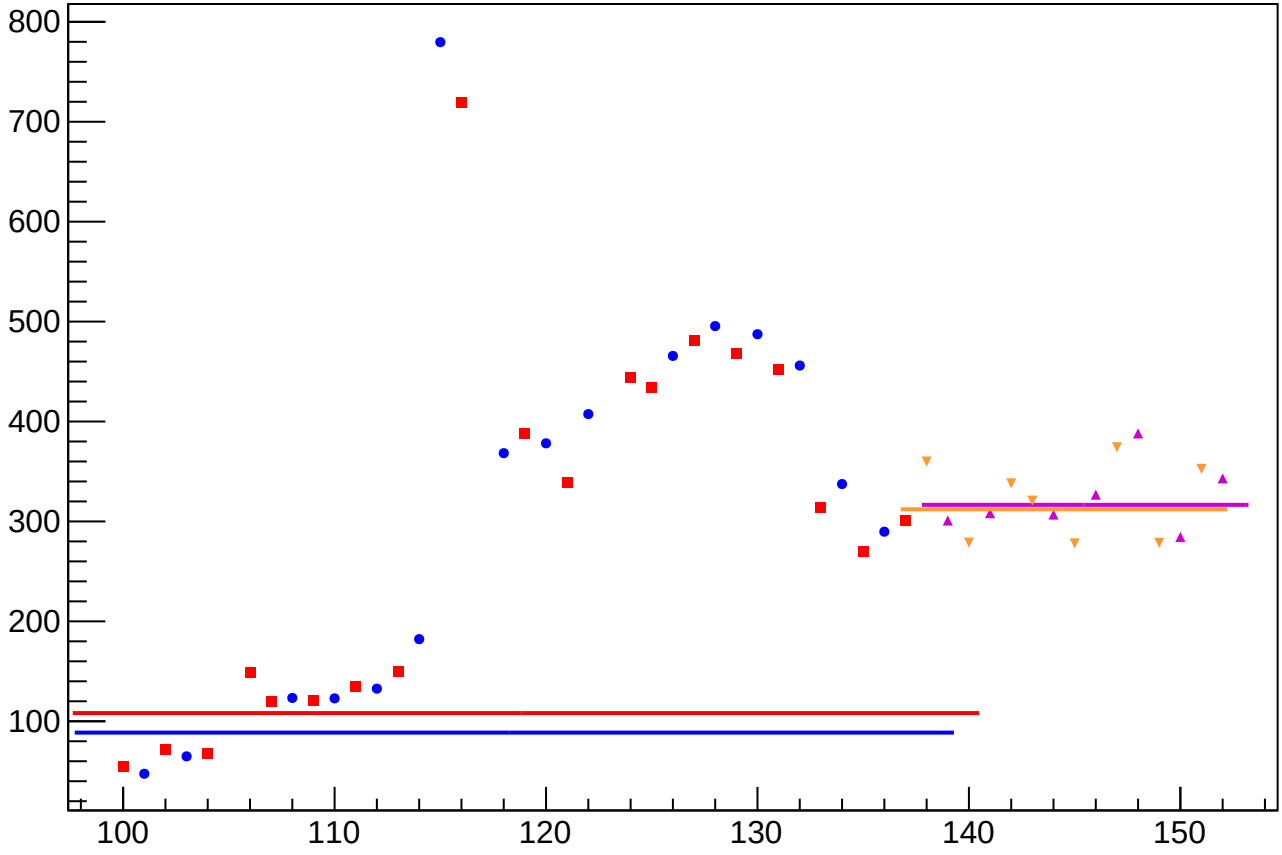
Left In: -237.599+/-129.250 χ^2/NDF:10.0/6

+ sign 32.116+/-43.650 χ^2/NDF: 23.8/23

All: 13.752+/-31.931 χ^2/NDF: 55.8/49

- sign -7.389+/-46.834 χ^2/NDF: 31.6/25

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 312.136+/-0.090 χ^2/NDF:171914.8/7

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

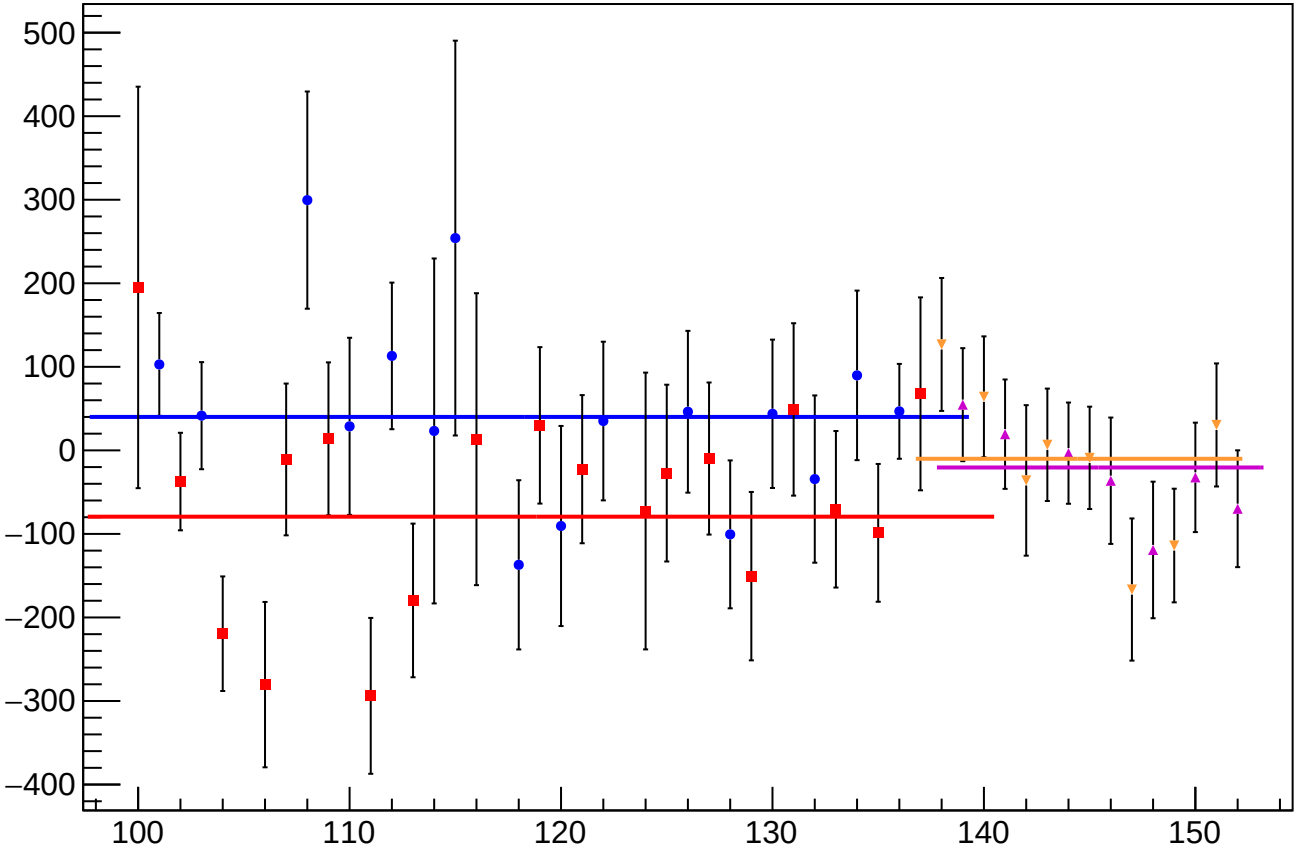
Left In: 316.595+/-0.091 χ^2/NDF:98103.7/6

+ sign 115.022+/-0.031 χ^2/NDF: 12275556.8/23

All: 124.572+/-0.023 χ^2/NDF: 22450863.4/49

- sign 135.568+/-0.033 χ^2/NDF: 9969318.9/25

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -10.064+/-25.835 χ^2/NDF:10.2/7

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

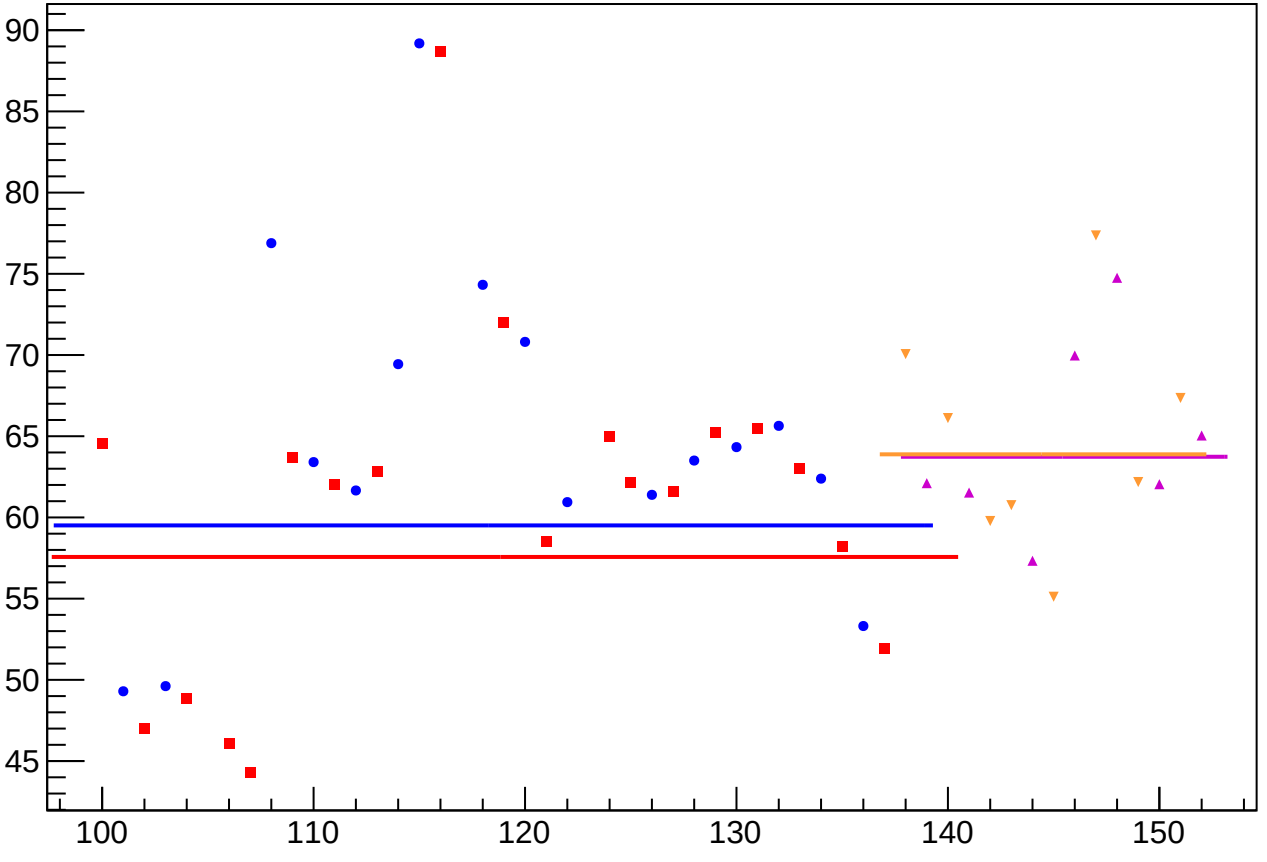
Left In: -20.480+/-25.937 χ^2/NDF:3.7/6

+ sign 18.407+/-16.974 χ^2/NDF: 26.4/23

All: -19.288+/-11.863 χ^2/NDF: 67.7/49

- sign -55.288+/-16.588 χ^2/NDF: 31.6/25

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 63.885+/-0.018 χ^2/NDF:119264.5/7

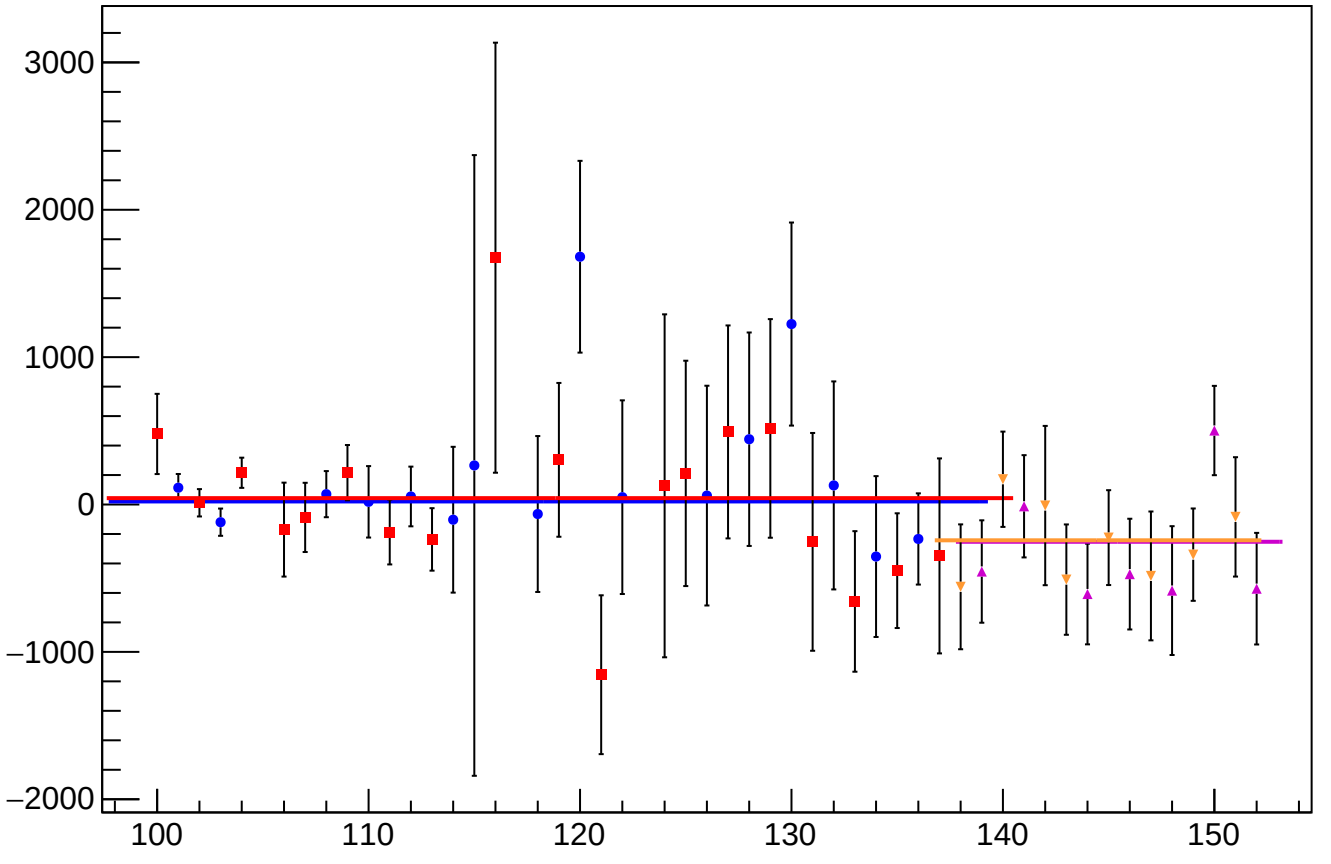
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 63.736+/-0.018 χ^2/NDF:77755.3/6

+ sign 61.398+/-0.012 χ^2/NDF: 435080.3/23

All: 60.729+/-0.008 χ^2/NDF: 933152.9/49

- sign 60.090+/-0.012 χ^2/NDF: 491998.2/25



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -242.867+/-132.610 χ^2/NDF:3.5/7

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

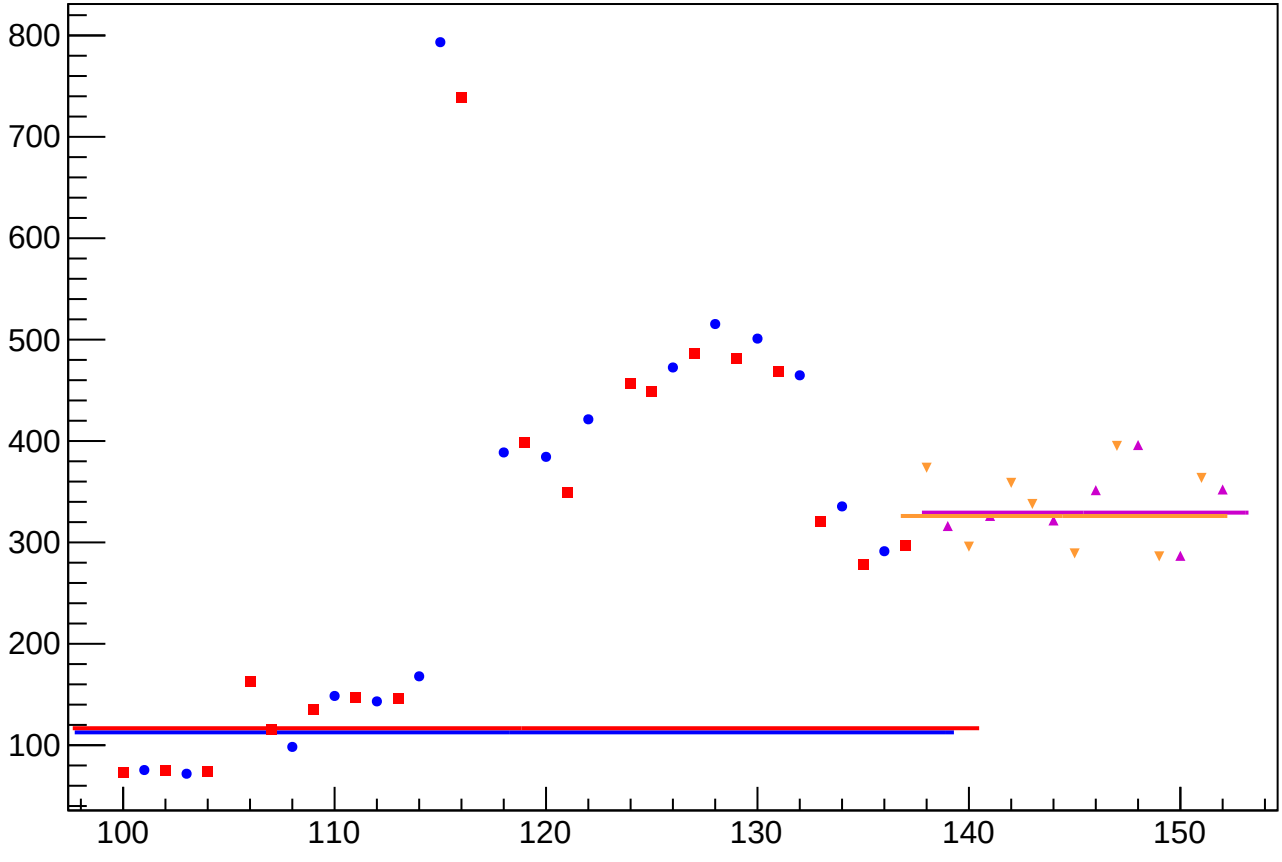
Left In: -252.778+/-134.425 χ^2/NDF:9.7/6

+ sign -16.174+/-49.682 χ^2/NDF: 21.5/23

All: -6.467+/-35.057 χ^2/NDF: 57.0/49

- sign 3.160+/-49.475 χ^2/NDF: 35.4/25

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 326.067+/-0.094 χ^2/NDF:177894.7/7

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

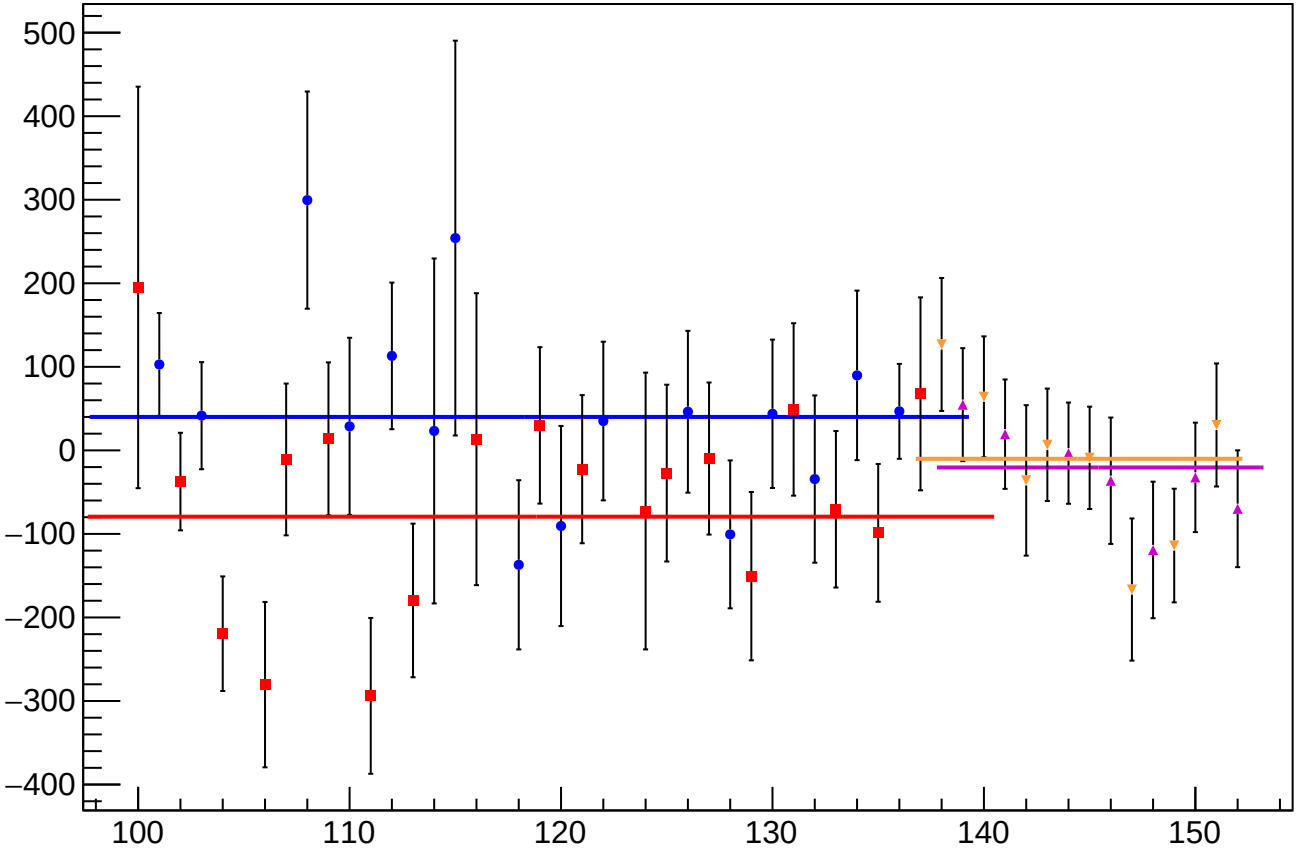
Left In: 329.373+/-0.095 χ^2/NDF:104348.7/6

+ sign 142.621+/-0.035 χ^2/NDF: 10229750.3/23

All: 144.085+/-0.025 χ^2/NDF: 19805532.4/49

- sign 145.537+/-0.035 χ^2/NDF: 9572323.0/25

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -10.064+/-25.835 χ^2/NDF:10.2/7

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

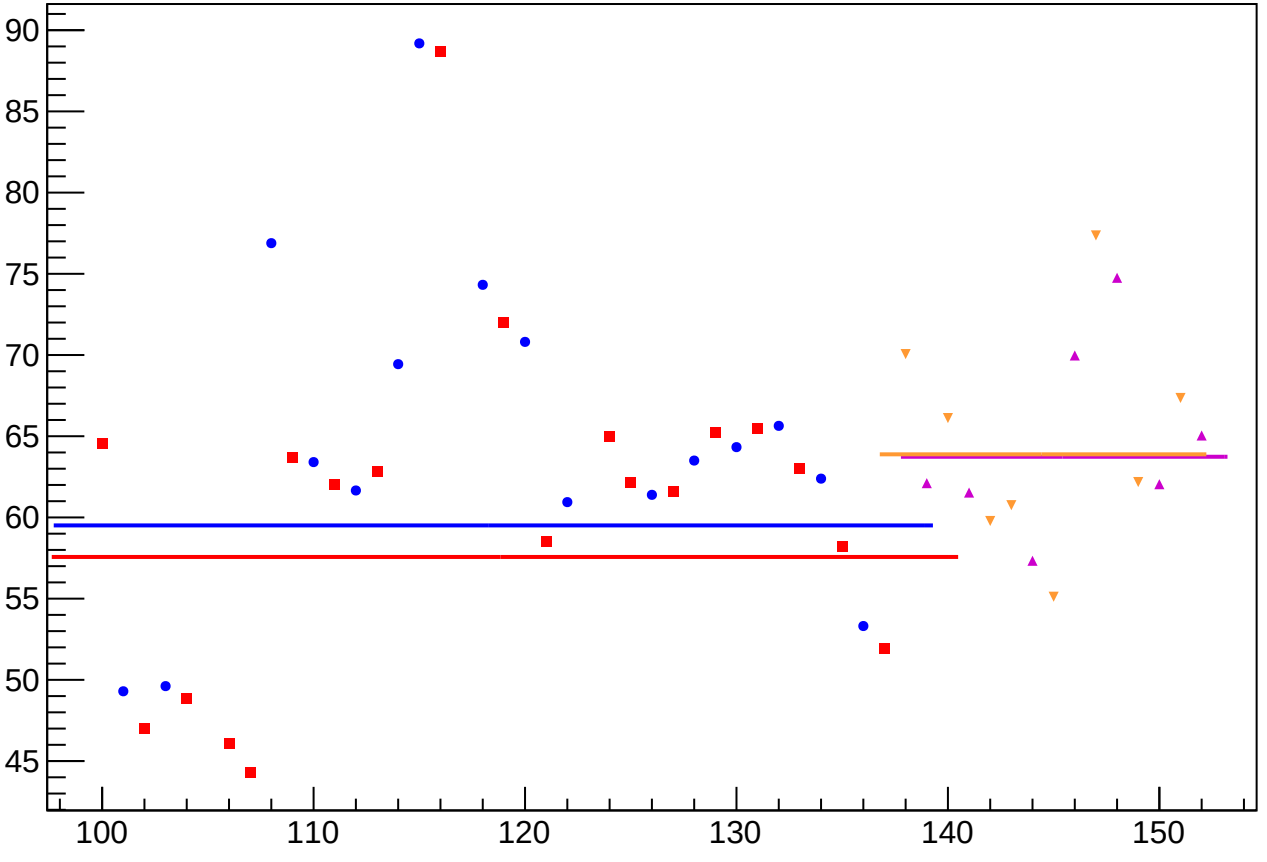
Left In: -20.481+/-25.937 χ^2/NDF:3.7/6

+ sign 18.407+/-16.974 χ^2/NDF: 26.4/23

All: -19.288+/-11.863 χ^2/NDF: 67.7/49

- sign -55.289+/-16.588 χ^2/NDF: 31.6/25

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 63.886+/-0.018 χ^2/NDF:119268.0/7

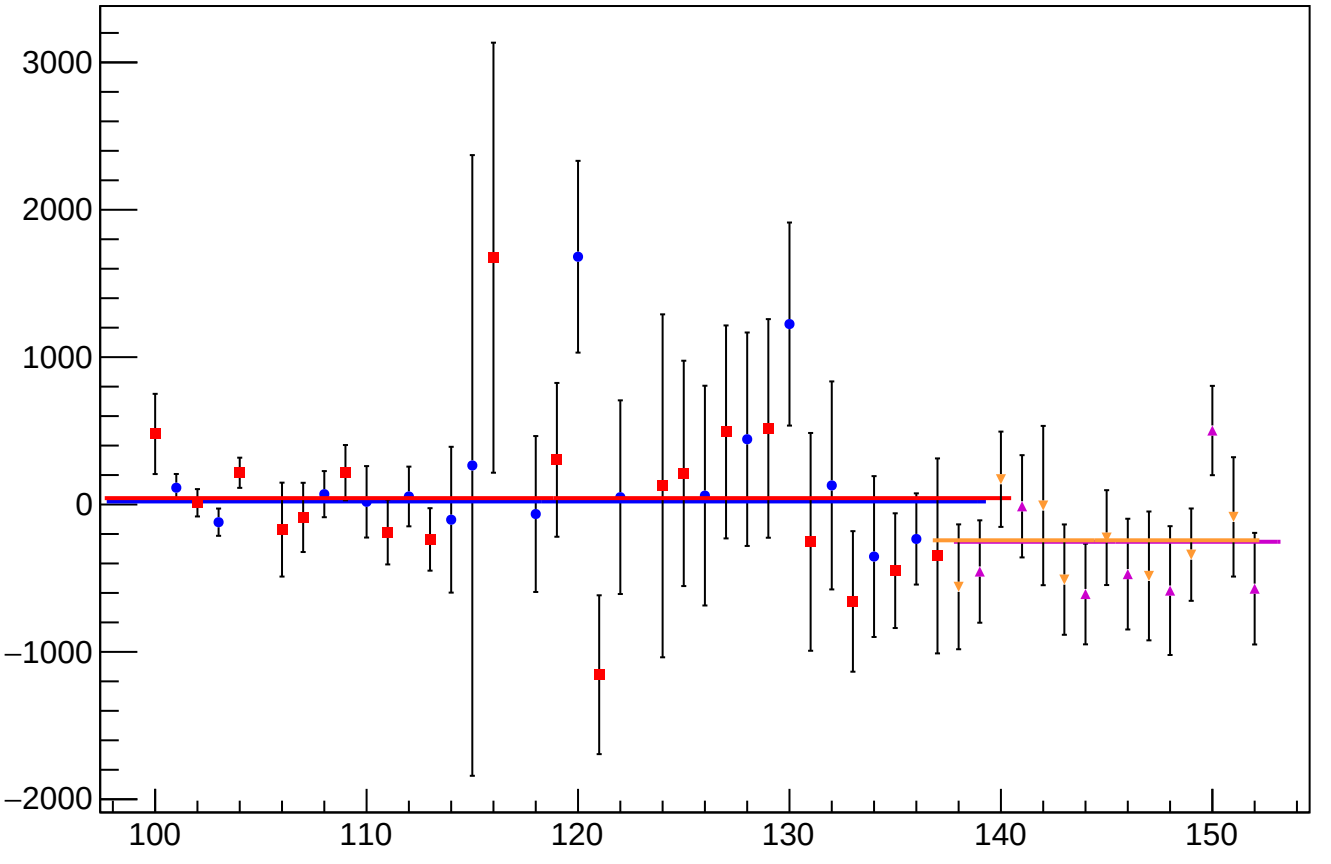
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 63.736+/-0.018 χ^2/NDF:77755.4/6

+ sign 61.398+/-0.012 χ^2/NDF: 435085.4/23

All: 60.729+/-0.008 χ^2/NDF: 933160.8/49

- sign 60.090+/-0.012 χ^2/NDF: 492001.2/25



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -242.867+/-132.611 χ^2/NDF:3.5/7

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

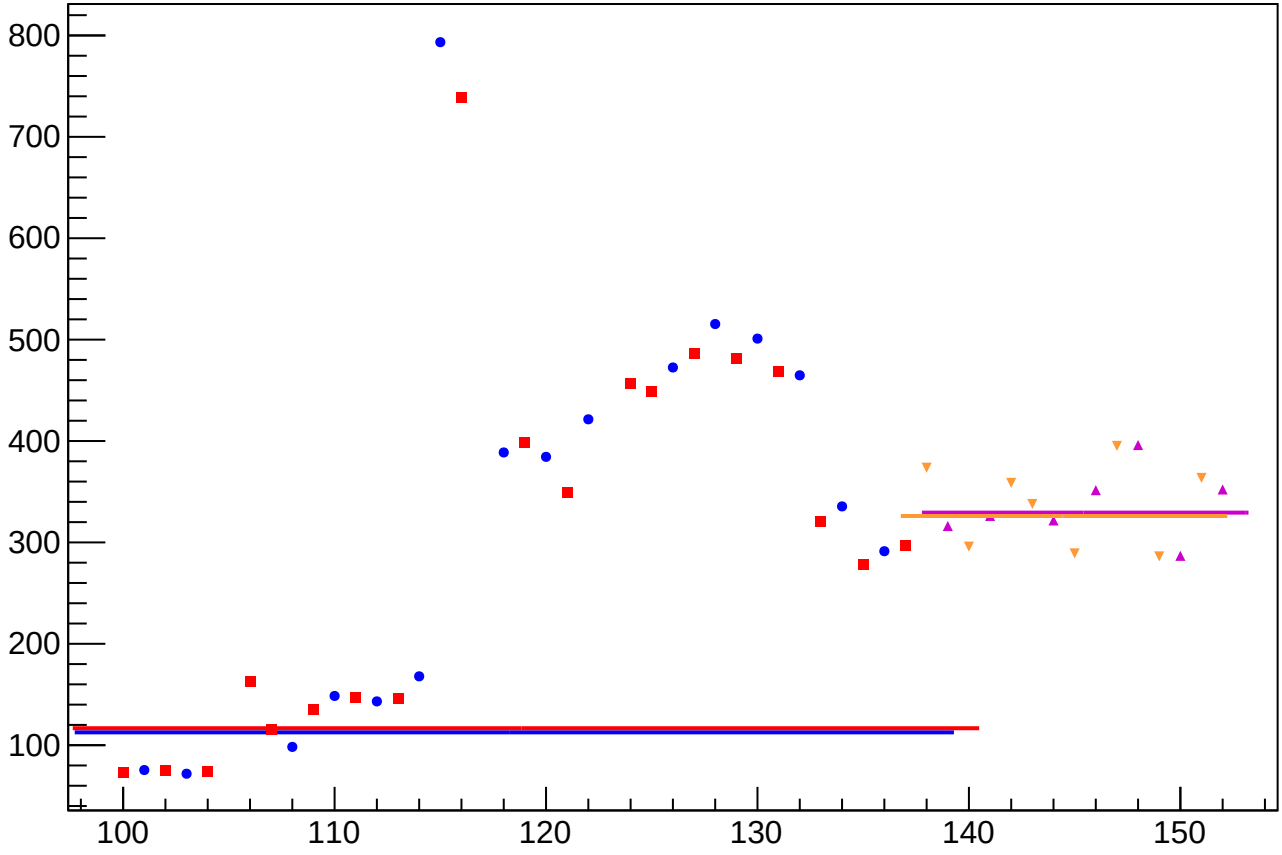
Left In: -252.779+/-134.426 χ^2/NDF:9.7/6

\+ sign -16.174+/-49.682 χ^2/NDF: 21.5/23

All: -6.467+/-35.057 χ^2/NDF: 57.0/49

\- sign 3.160+/-49.475 χ^2/NDF: 35.4/25

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 326.068+/-0.094 χ^2/NDF:177895.1/7

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

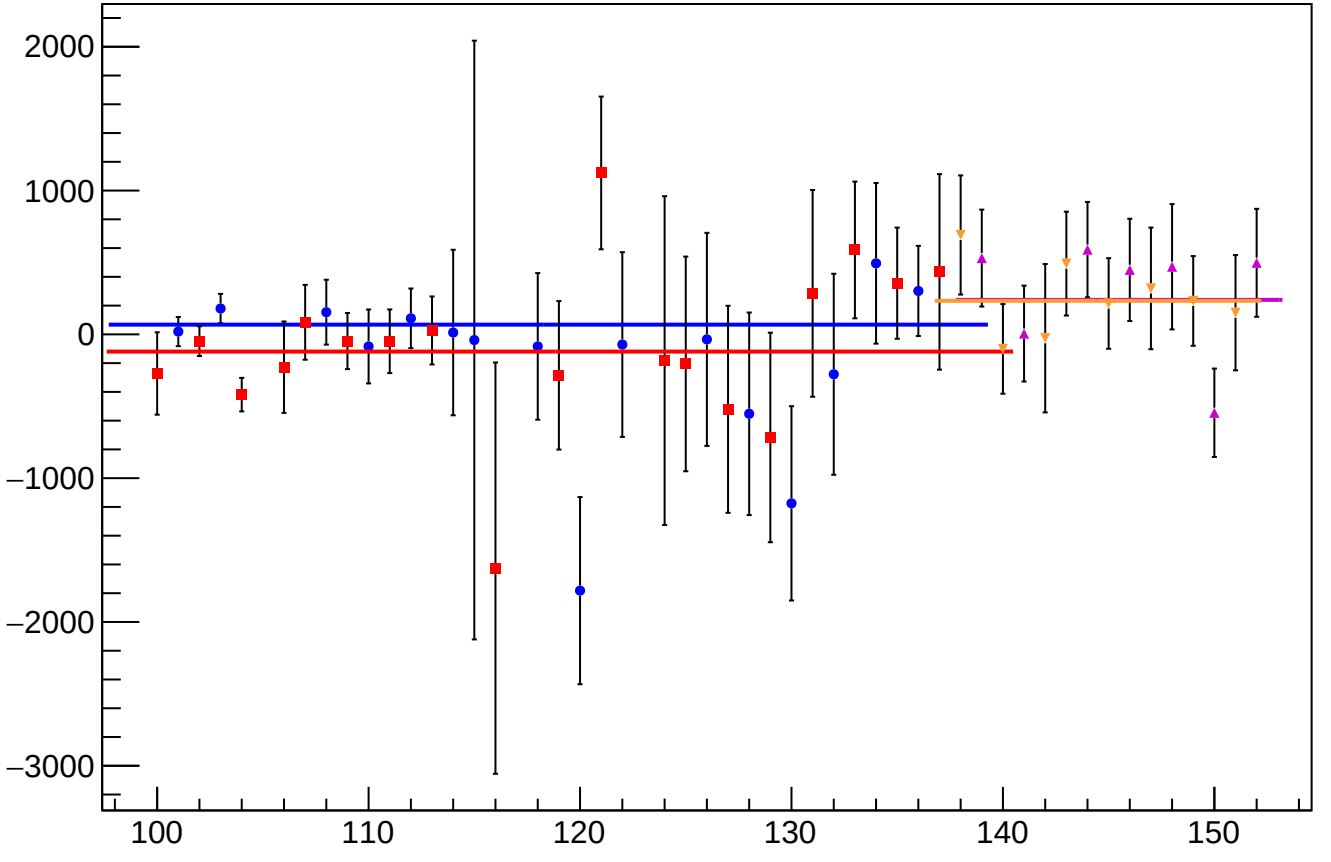
Left In: 329.374+/-0.095 χ^2/NDF:104348.2/6

+ sign 142.621+/-0.035 χ^2/NDF: 10229778.4/23

All: 144.085+/-0.025 χ^2/NDF: 19805598.0/49

- sign 145.537+/-0.035 χ^2/NDF: 9572360.9/25

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 233.415+/-129.400 χ^2/NDF:3.2/7

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

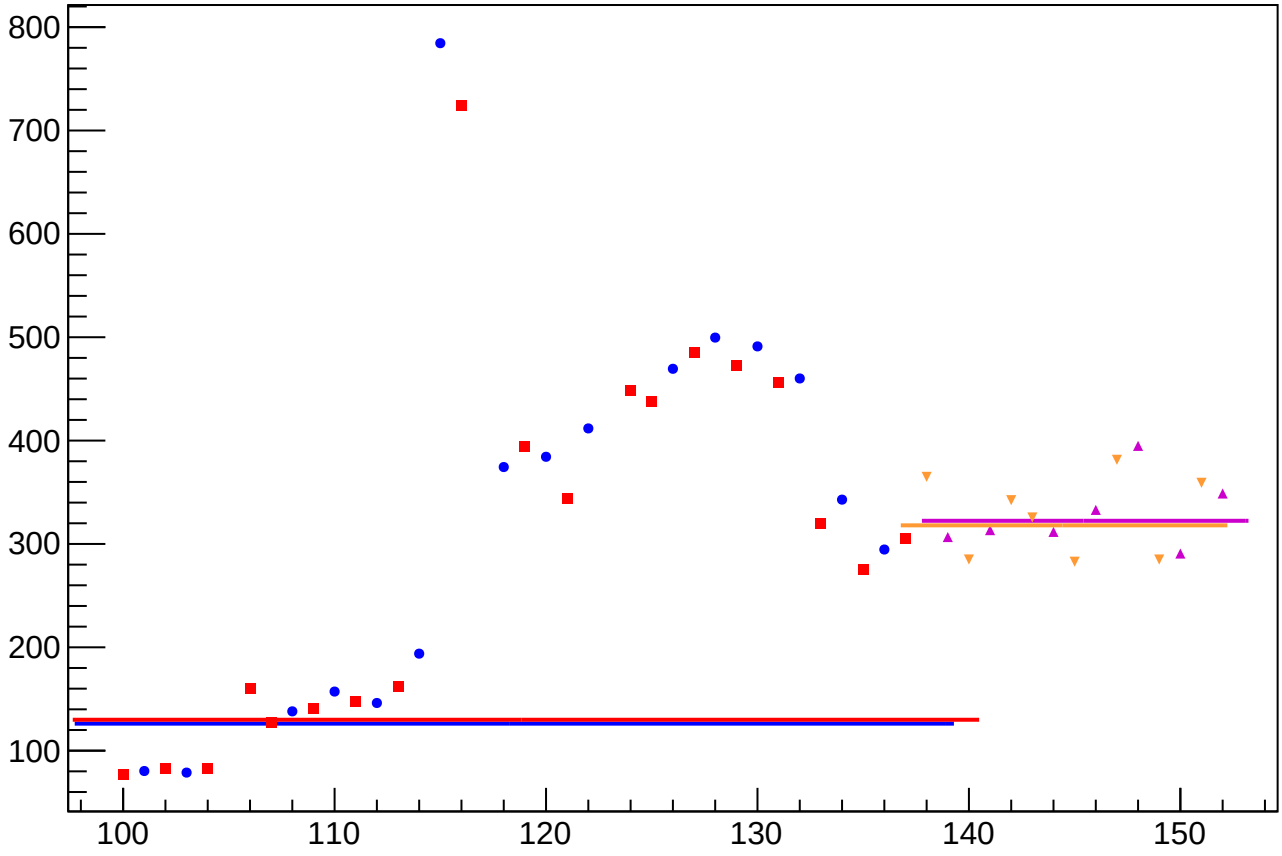
Left In: 240.000+/-131.567 χ^2/NDF:10.0/6

+ sign 96.291+/-53.810 χ^2/NDF: 20.4/23

All: 16.383+/-37.770 χ^2/NDF: 62.1/49

- sign -61.216+/-53.027 χ^2/NDF: 37.4/25

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 318.001+/-0.091 χ^2/NDF:166967.7/7

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

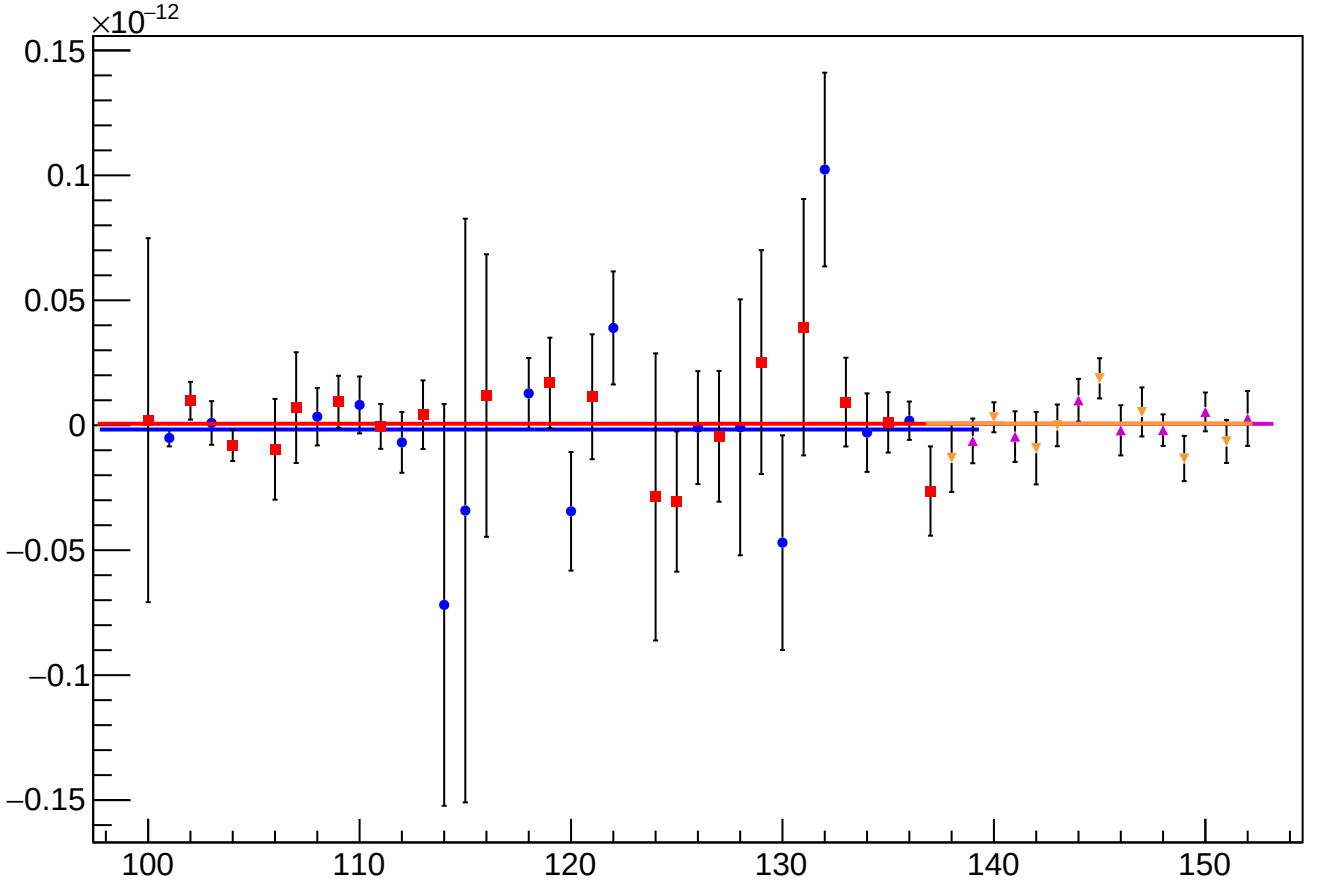
Left In: 322.408+/-0.093 χ^2/NDF:96164.3/6

+ sign 159.329+/-0.038 χ^2/NDF: 9022987.9/23

All: 160.270+/-0.027 χ^2/NDF: 17353794.9/49

- sign 161.183+/-0.037 χ^2/NDF: 8329602.4/25

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/7

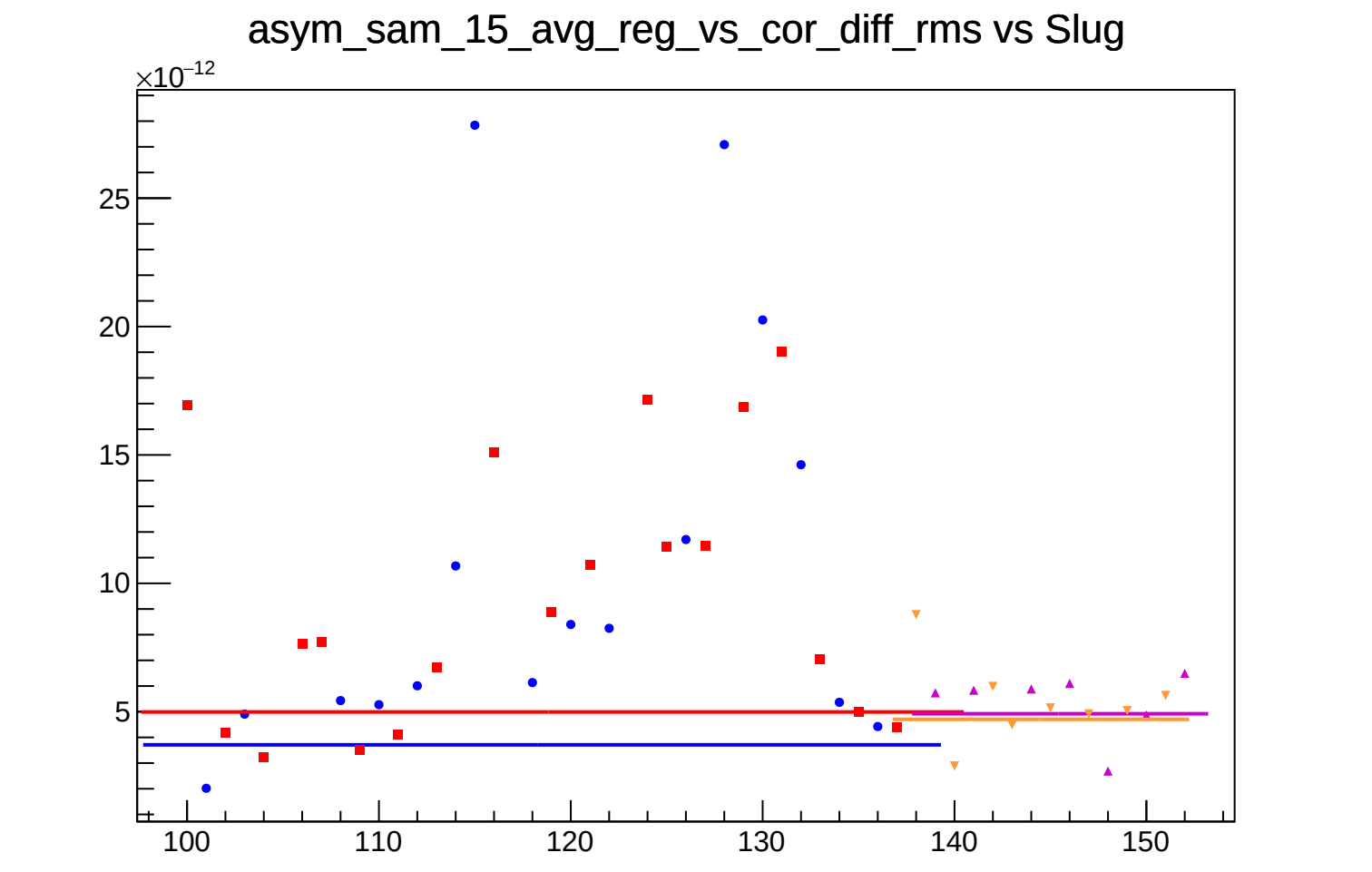
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 28.1/23

All: -0.000+/-0.000 χ^2/NDF: 41.5/49

- sign 0.000+/-0.000 χ^2/NDF: 13.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:411507.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

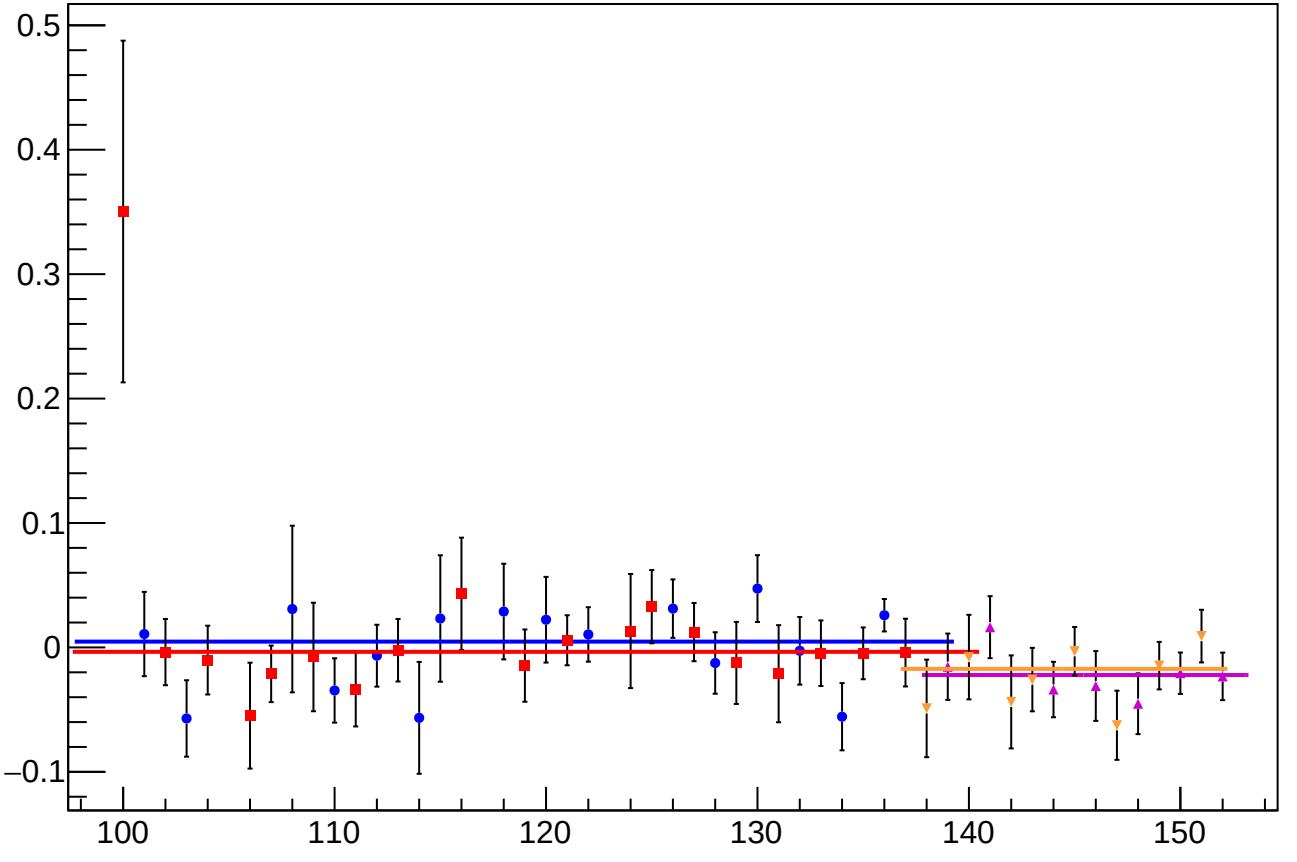
Left In: 0.000+/-0.000 χ^2/NDF:378304.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 2707221.3/23

All: 0.000+/-0.000 χ^2/NDF: 4541008.5/49

- sign 0.000+/-0.000 χ^2/NDF: 1674157.5/25

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: -0.017+/-0.009 χ^2/NDF:6.1/7

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

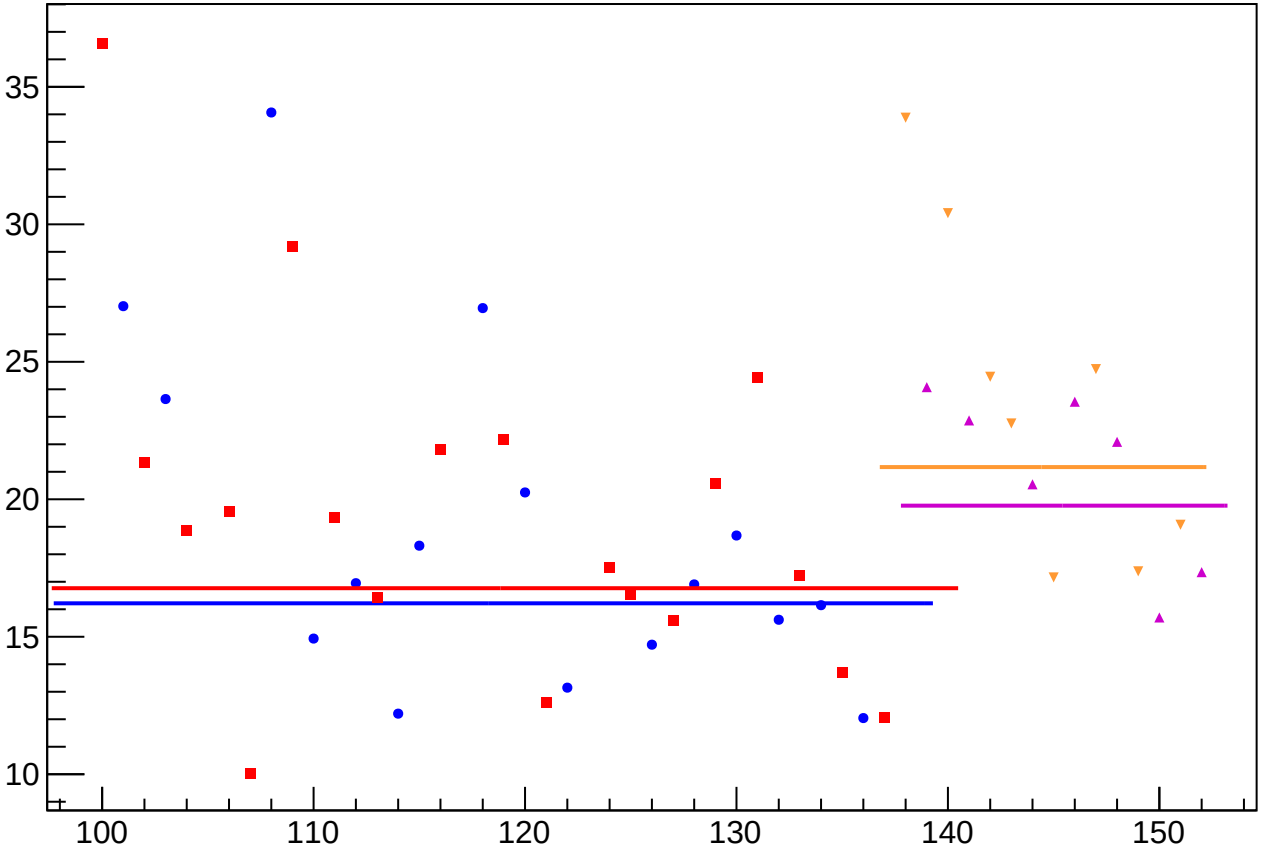
Left In: -0.022+/-0.008 χ^2/NDF:3.7/6

\+ sign -0.003+/-0.005 χ^2/NDF: 31.5/23

All: -0.007+/-0.004 χ^2/NDF: 53.0/49

\- sign -0.011+/-0.005 χ^2/NDF: 20.4/25

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: 21.171+/-0.006 χ^2/NDF:597377.2/7

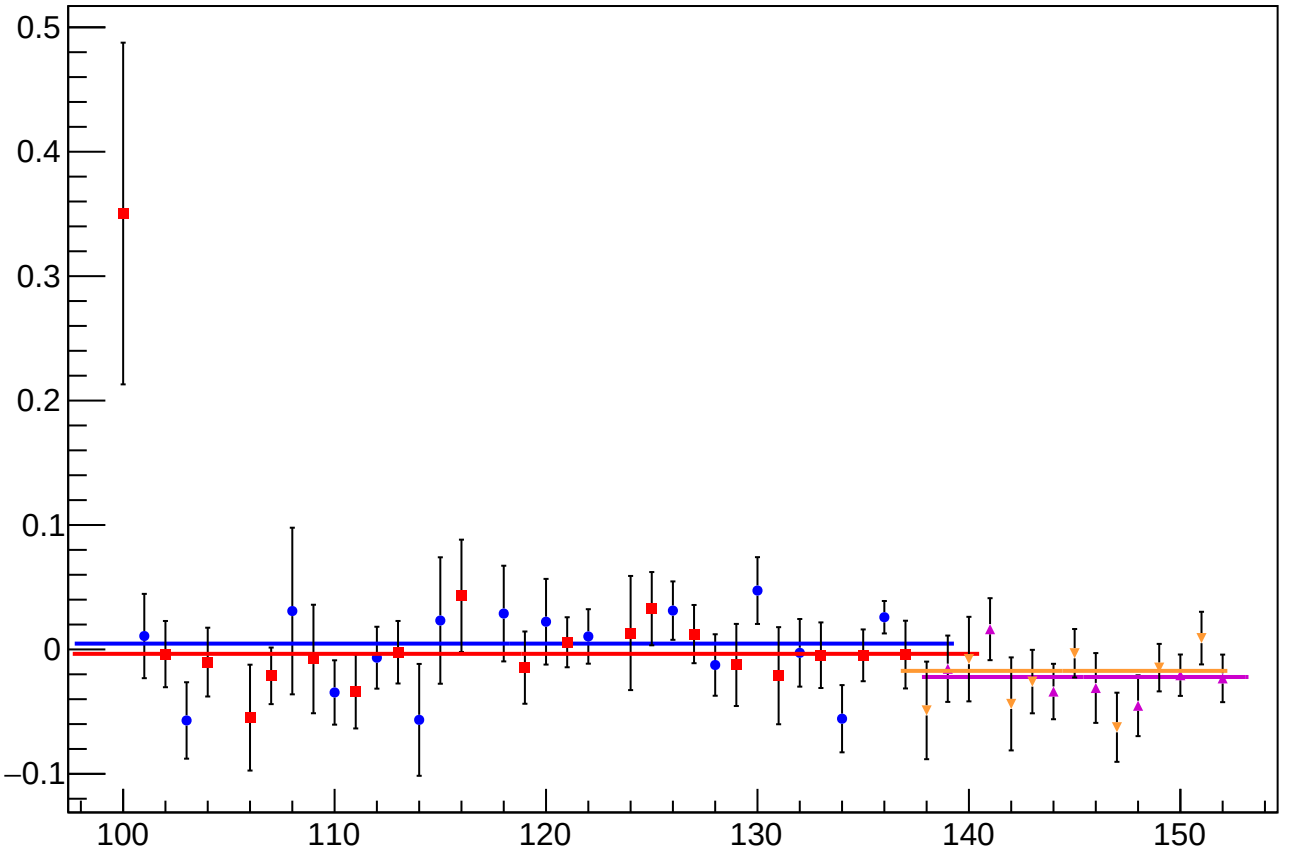
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.768+/-0.006 χ^2/NDF:291596.5/6

+ sign 17.968+/-0.004 χ^2/NDF: 1943810.7/23

All: 17.946+/-0.003 χ^2/NDF: 3260750.4/49

- sign 17.926+/-0.004 χ^2/NDF: 1316875.9/25



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.009 χ^2/NDF:6.1/7

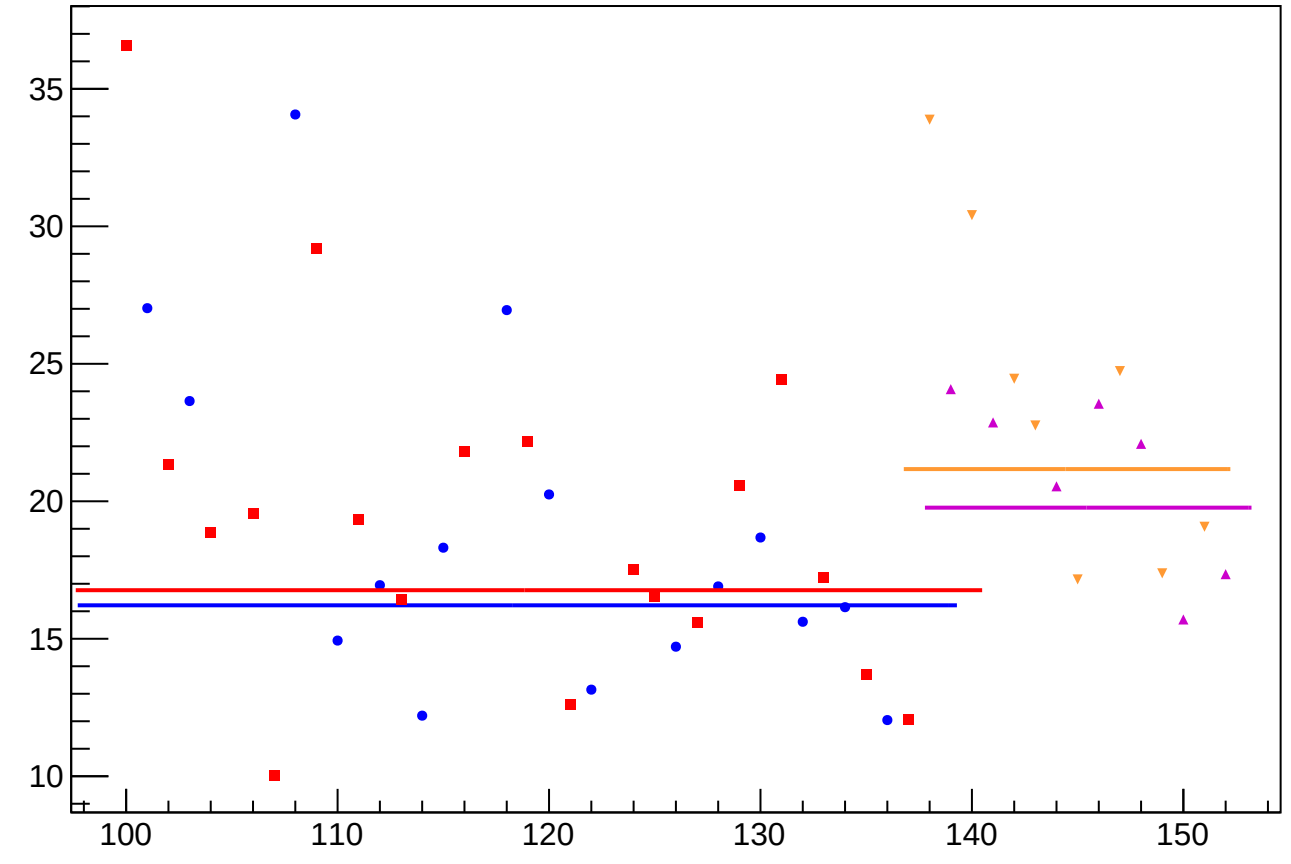
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.022+/-0.008 χ^2/NDF:3.7/6

+ sign -0.003+/-0.005 χ^2/NDF: 31.5/23

All: -0.007+/-0.004 χ^2/NDF: 53.0/49

- sign -0.011+/-0.005 χ^2/NDF: 20.4/25



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 21.171+/-0.006 χ^2/NDF:597377.2/7

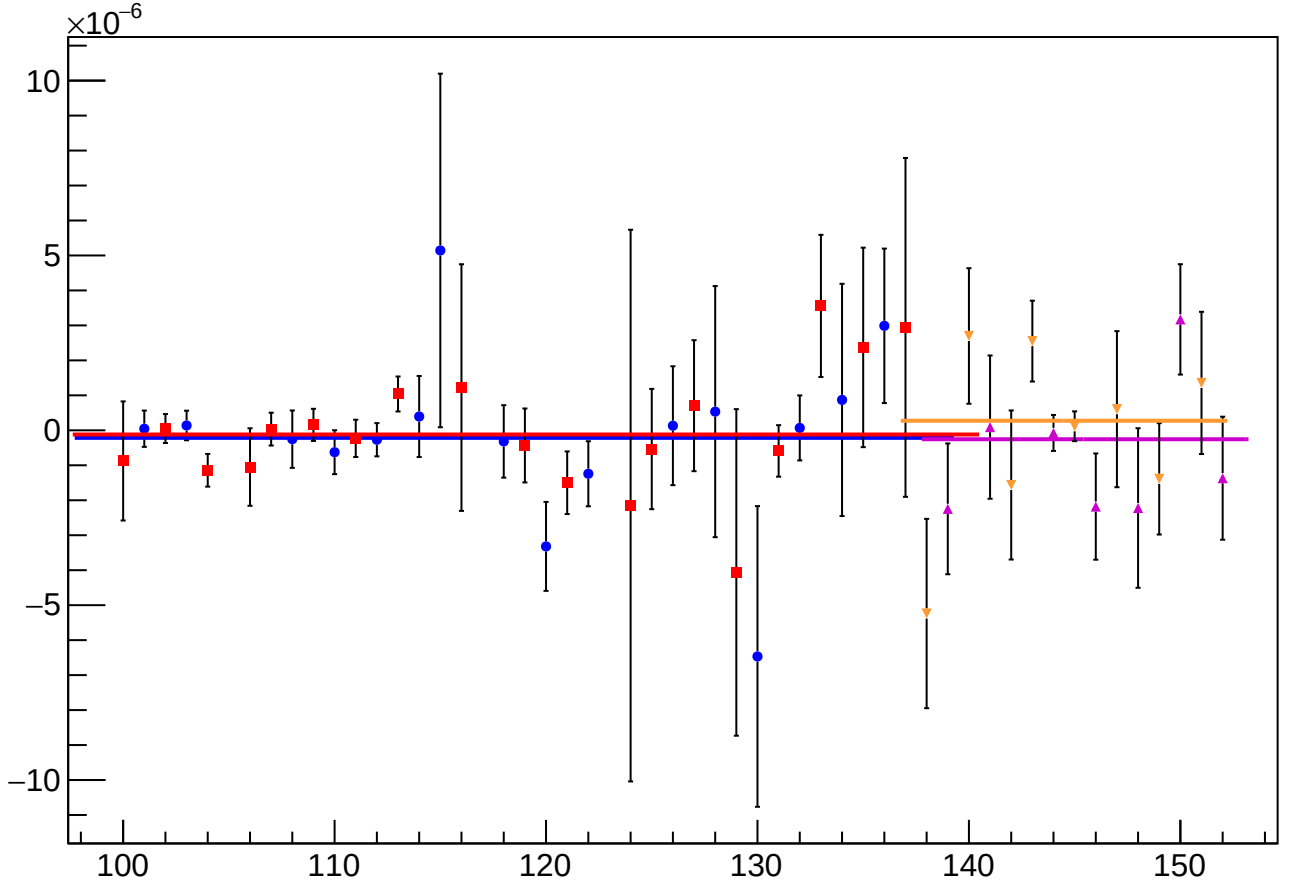
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.768+/-0.006 χ^2/NDF:291596.5/6

+ sign 17.968+/-0.004 χ^2/NDF: 1943810.7/23

All: 17.946+/-0.003 χ^2/NDF: 3260750.4/49

- sign 17.926+/-0.004 χ^2/NDF: 1316875.9/25



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/7

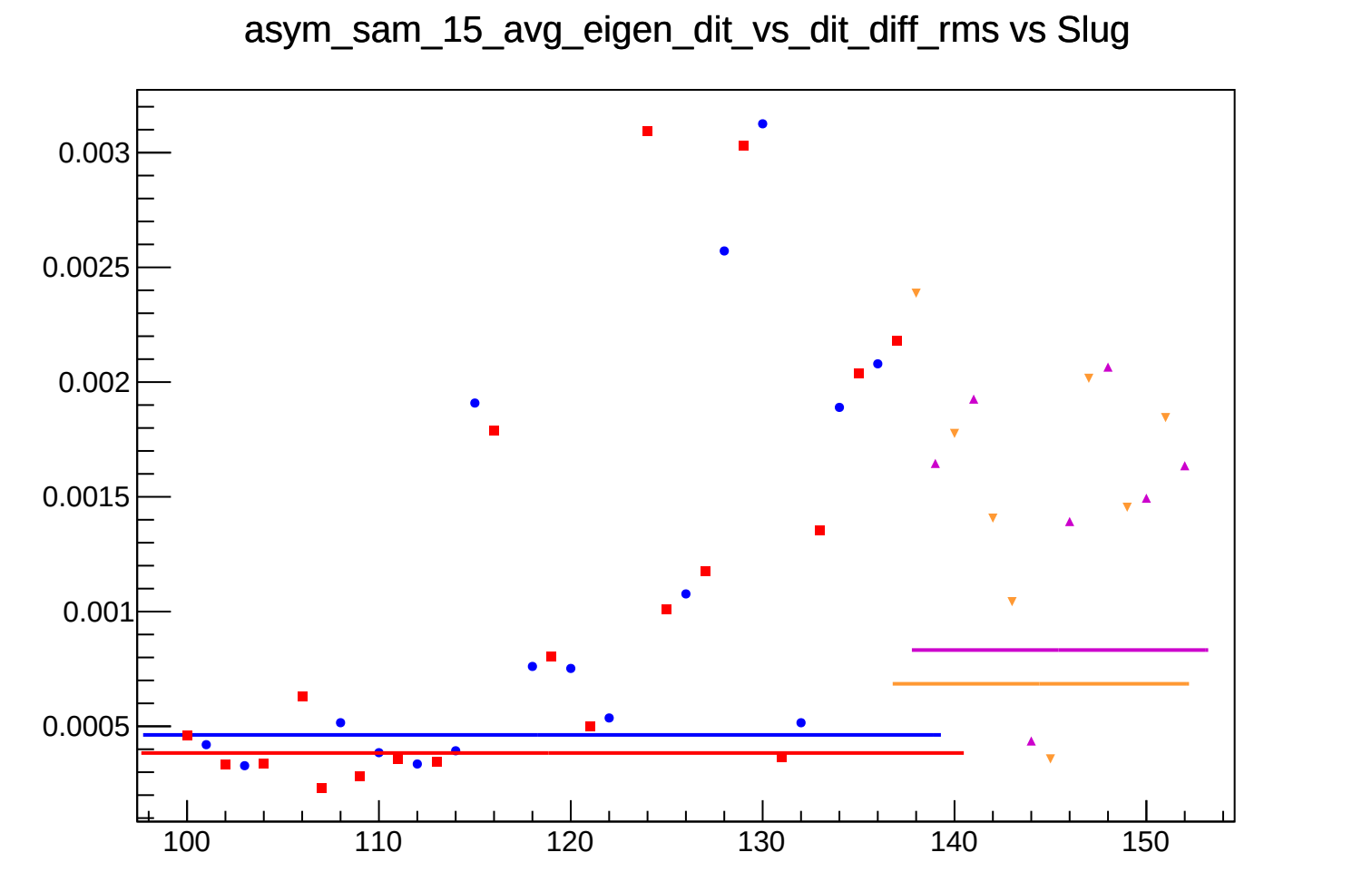
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 27.7/23

All: -0.000+/-0.000 χ^2/NDF: 56.8/49

- sign -0.000+/-0.000 χ^2/NDF: 29.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4854392.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

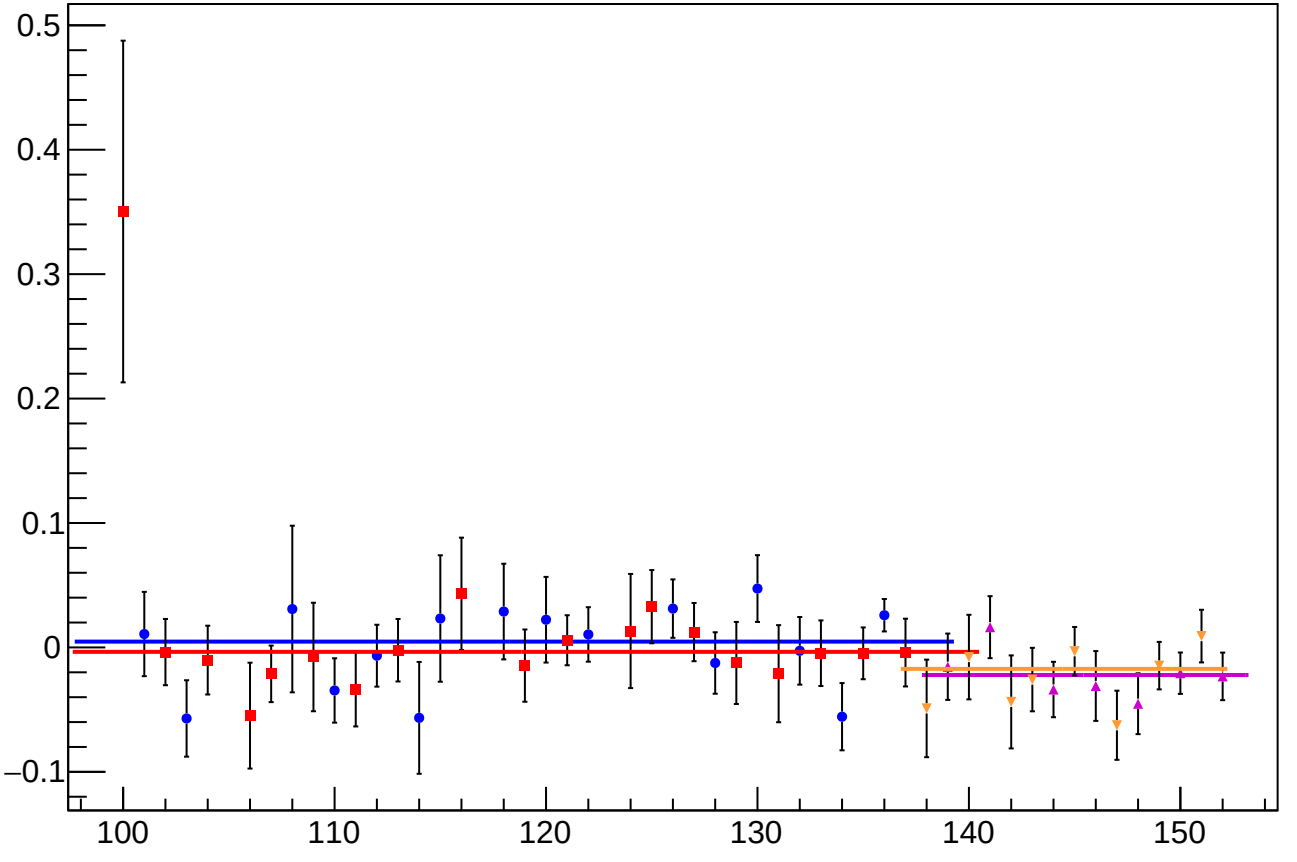
Left In: 0.001+/-0.000 χ^2/NDF:3760916.8/6

+ sign 0.001+/-0.000 χ^2/NDF: 9444184.7/23

All: 0.000+/-0.000 χ^2/NDF: 19379436.1/49

- sign 0.000+/-0.000 χ^2/NDF: 9767361.6/25

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: -0.017+/-0.009 χ^2/NDF:6.1/7

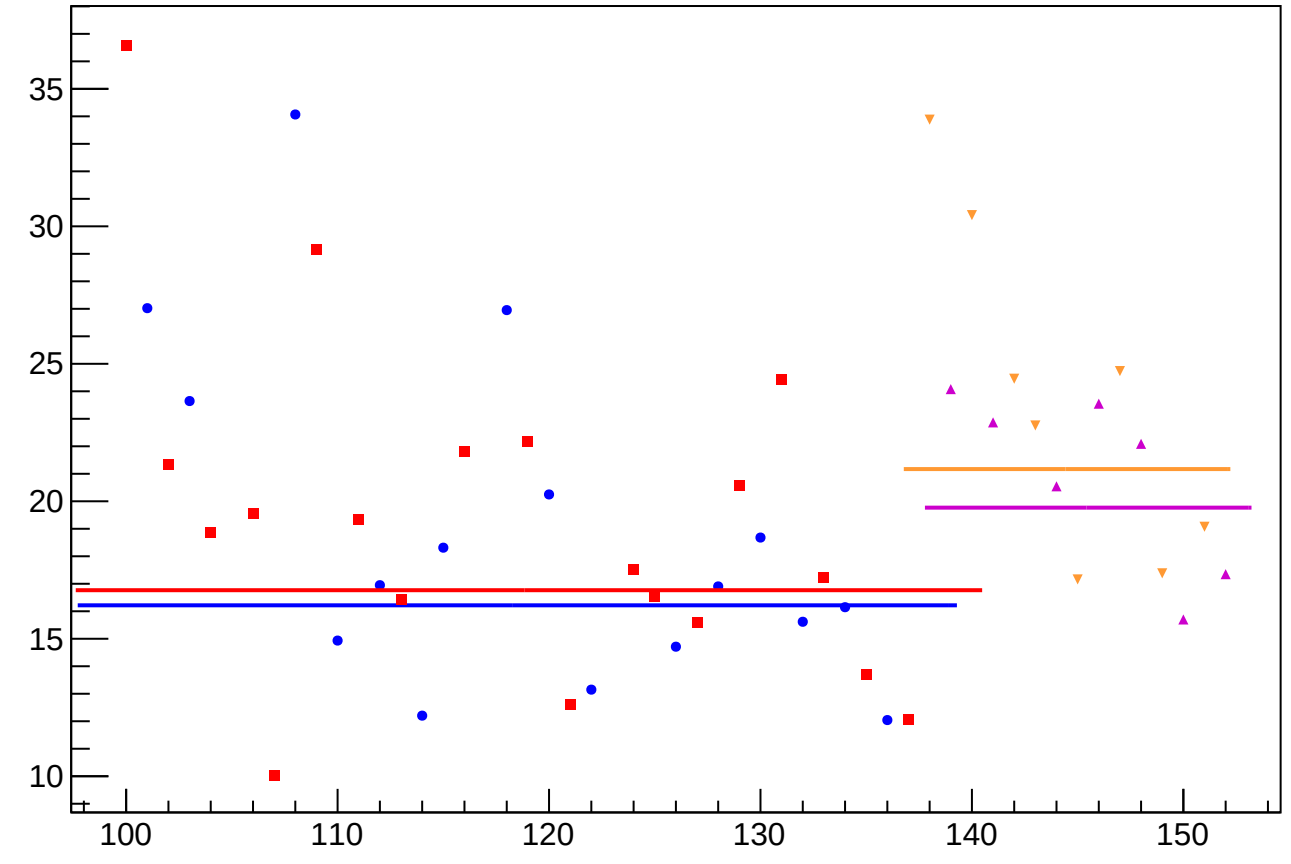
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.022+/-0.008 χ^2/NDF:3.7/6

+ sign -0.003+/-0.005 χ^2/NDF: 31.5/23

All: -0.007+/-0.004 χ^2/NDF: 53.0/49

- sign -0.011+/-0.005 χ^2/NDF: 20.4/25



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 21.171+/-0.006 χ^2/NDF:597421.1/7

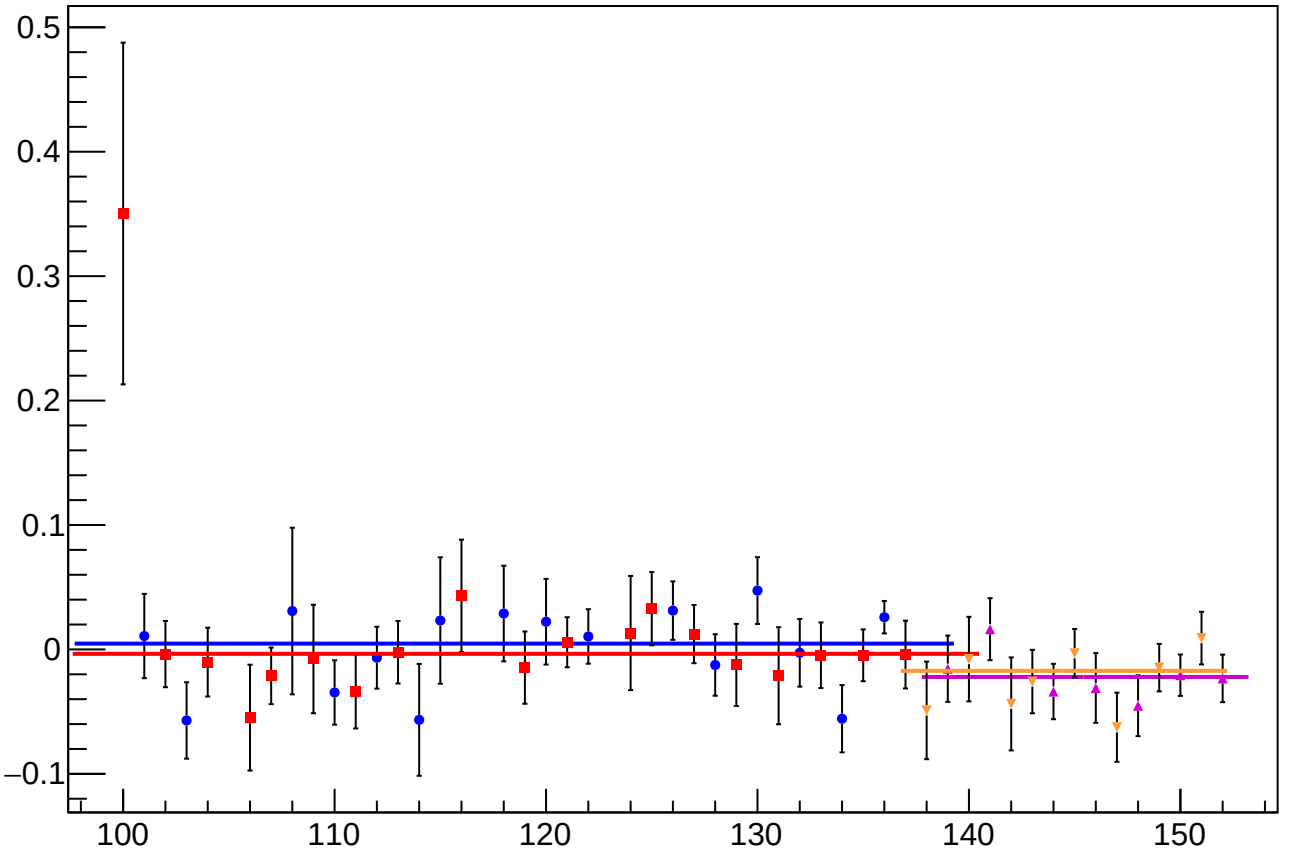
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.768+/-0.006 χ^2/NDF:291677.4/6

+ sign 17.967+/-0.004 χ^2/NDF: 1943876.6/23

All: 17.946+/-0.003 χ^2/NDF: 3260920.3/49

- sign 17.926+/-0.004 χ^2/NDF: 1316979.9/25



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.009 χ^2/NDF:6.1/7

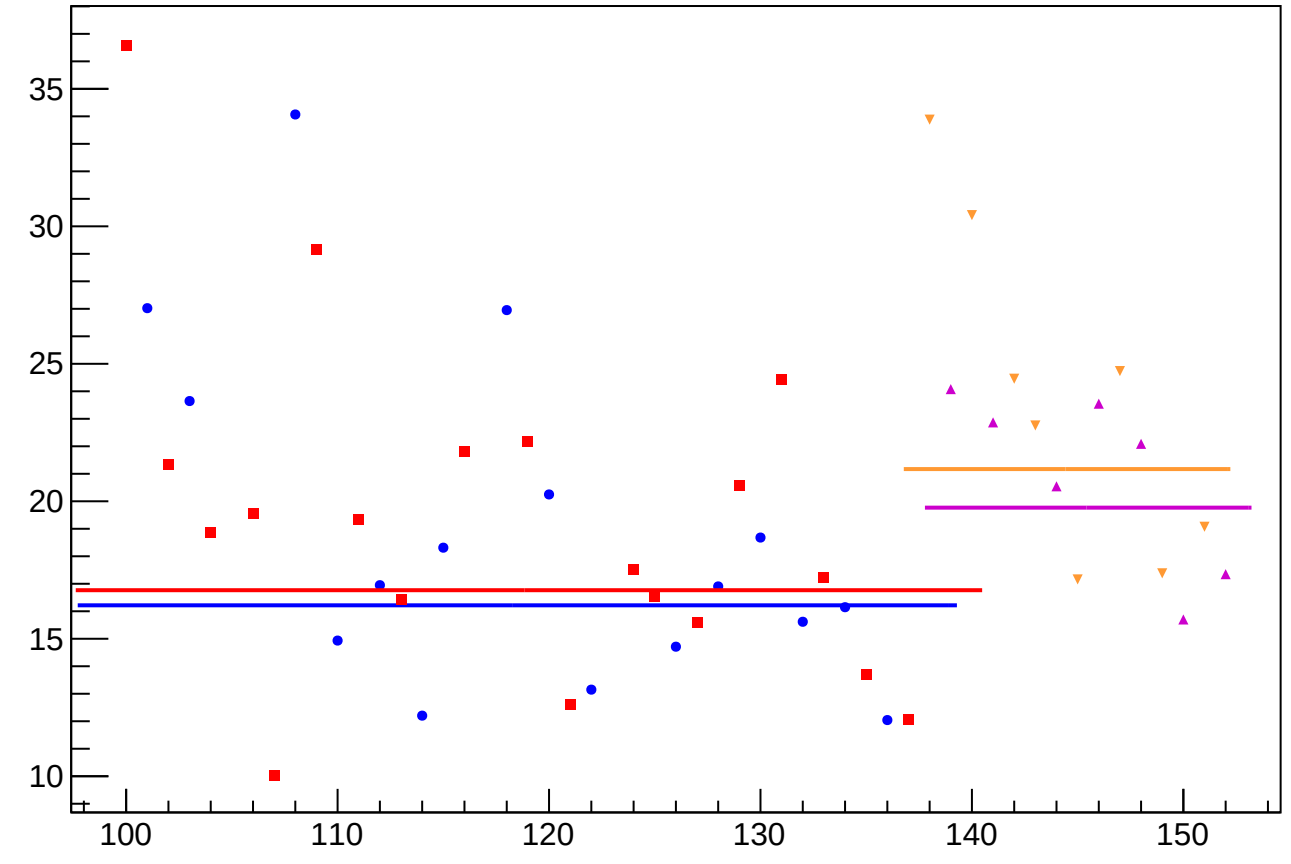
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.022+/-0.008 χ^2/NDF:3.7/6

+ sign -0.003+/-0.005 χ^2/NDF: 31.5/23

All: -0.007+/-0.004 χ^2/NDF: 53.0/49

- sign -0.011+/-0.005 χ^2/NDF: 20.4/25



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 21.171+/-0.006 χ^2/NDF:597421.1/7

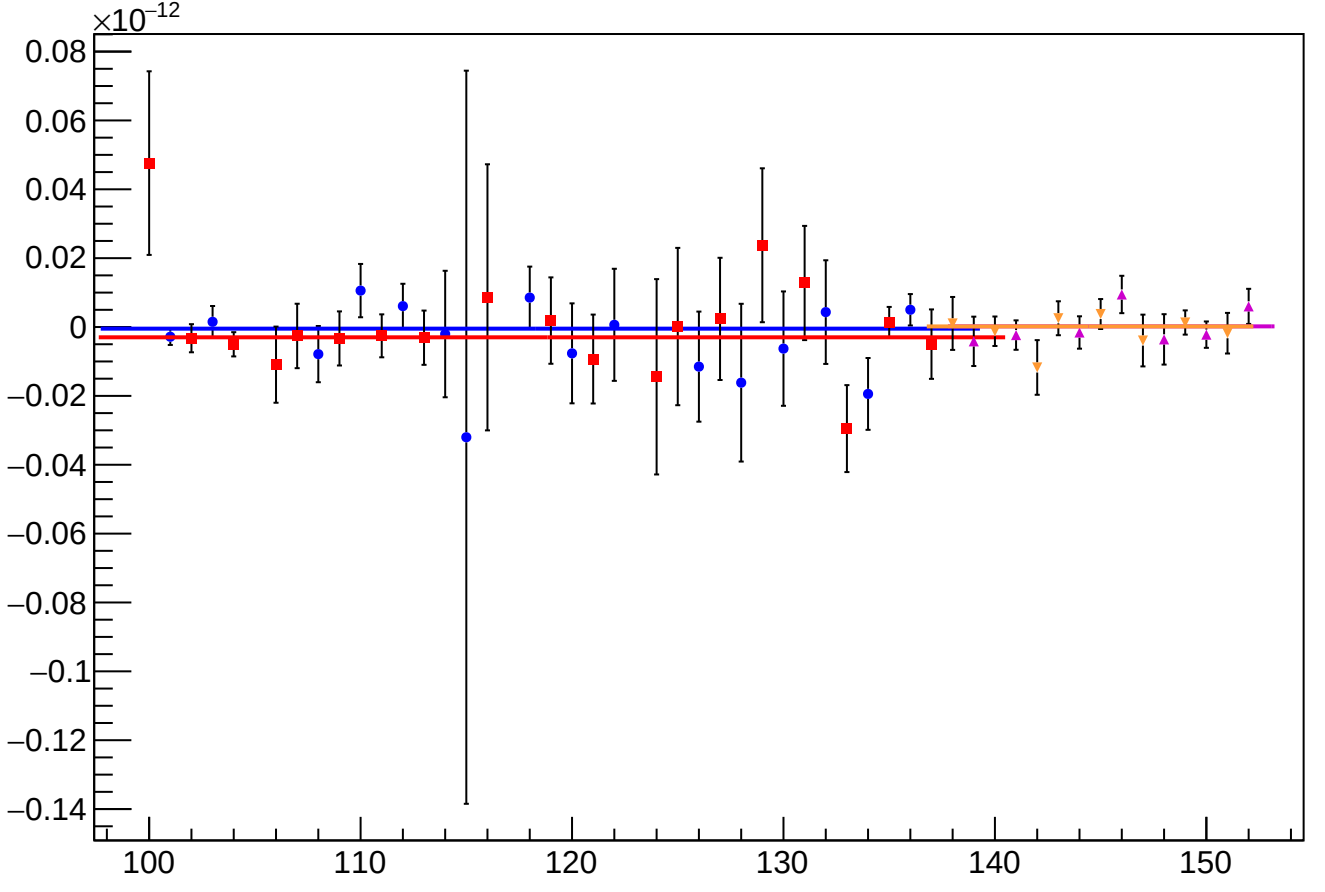
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.768+/-0.006 χ^2/NDF:291677.4/6

+ sign 17.967+/-0.004 χ^2/NDF: 1943876.6/23

All: 17.946+/-0.003 χ^2/NDF: 3260920.3/49

- sign 17.926+/-0.004 χ^2/NDF: 1316979.9/25



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.8/7

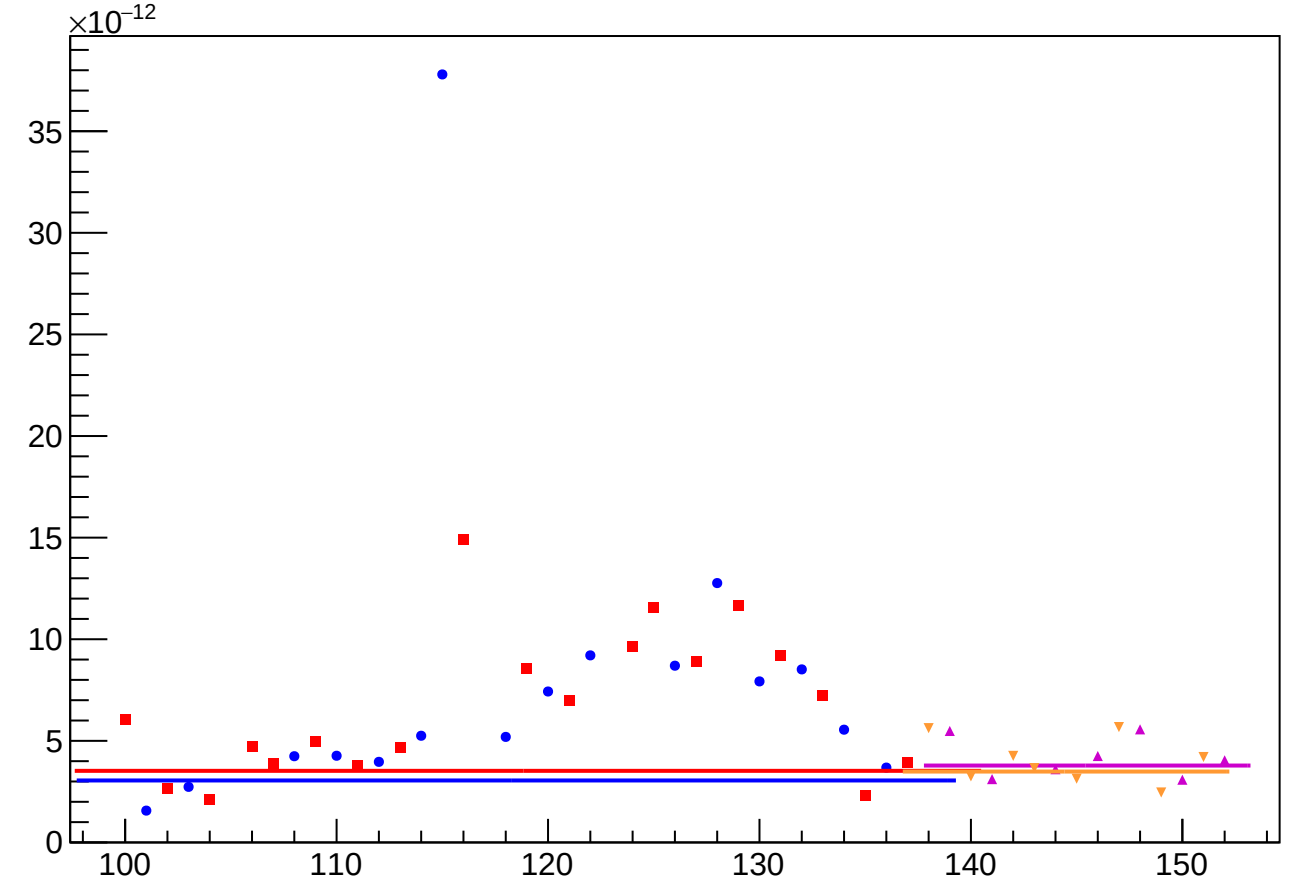
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/6

\+ sign -0.000+/-0.000 χ^2/NDF: 16.2/23

All: -0.000+/-0.000 χ^2/NDF: 37.0/49

\- sign -0.000+/-0.000 χ^2/NDF: 20.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:565059.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

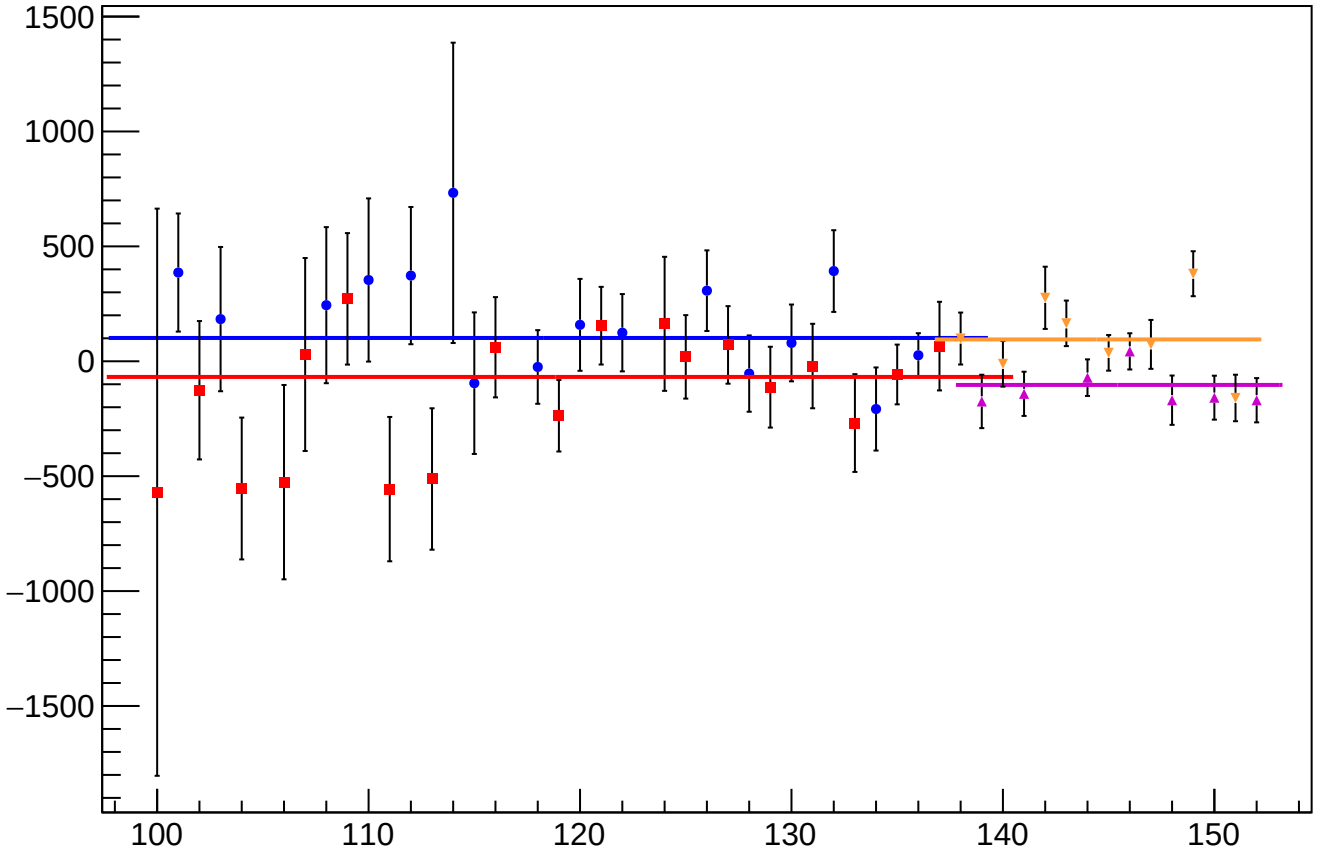
Left In: 0.000+/-0.000 χ^2/NDF:369368.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 3567339.5/23

All: 0.000+/-0.000 χ^2/NDF: 6616140.9/49

- sign 0.000+/-0.000 χ^2/NDF: 2948465.3/25

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 94.990+/-35.512 χ^2/NDF:18.9/7

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

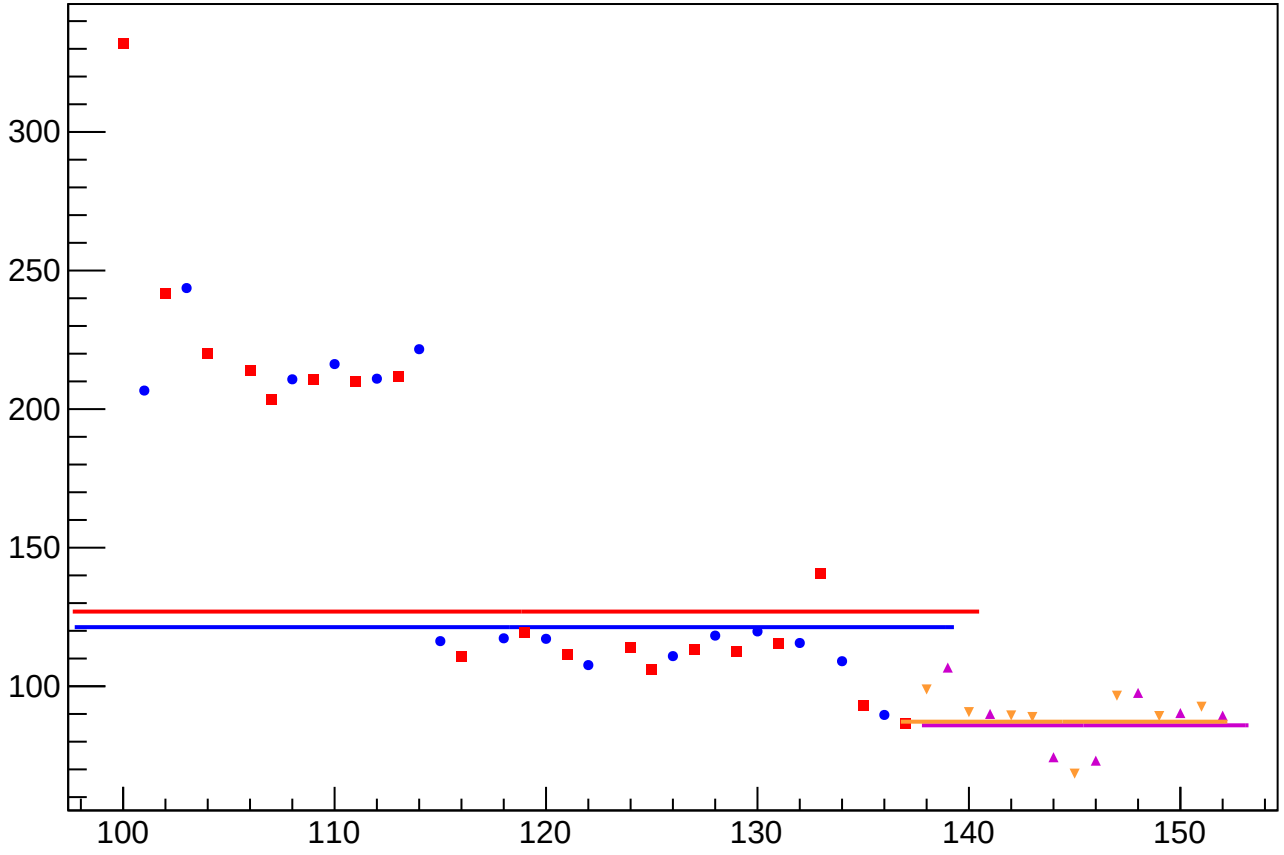
Left In: -102.962+/-35.247 χ^2/NDF:5.3/6

+ sign 97.301+/-28.470 χ^2/NDF: 32.3/23

All: 3.746+/-20.205 χ^2/NDF: 75.8/49

- sign -91.181+/-28.678 χ^2/NDF: 21.8/25

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.217+/-0.025 χ^2/NDF:163706.3/7

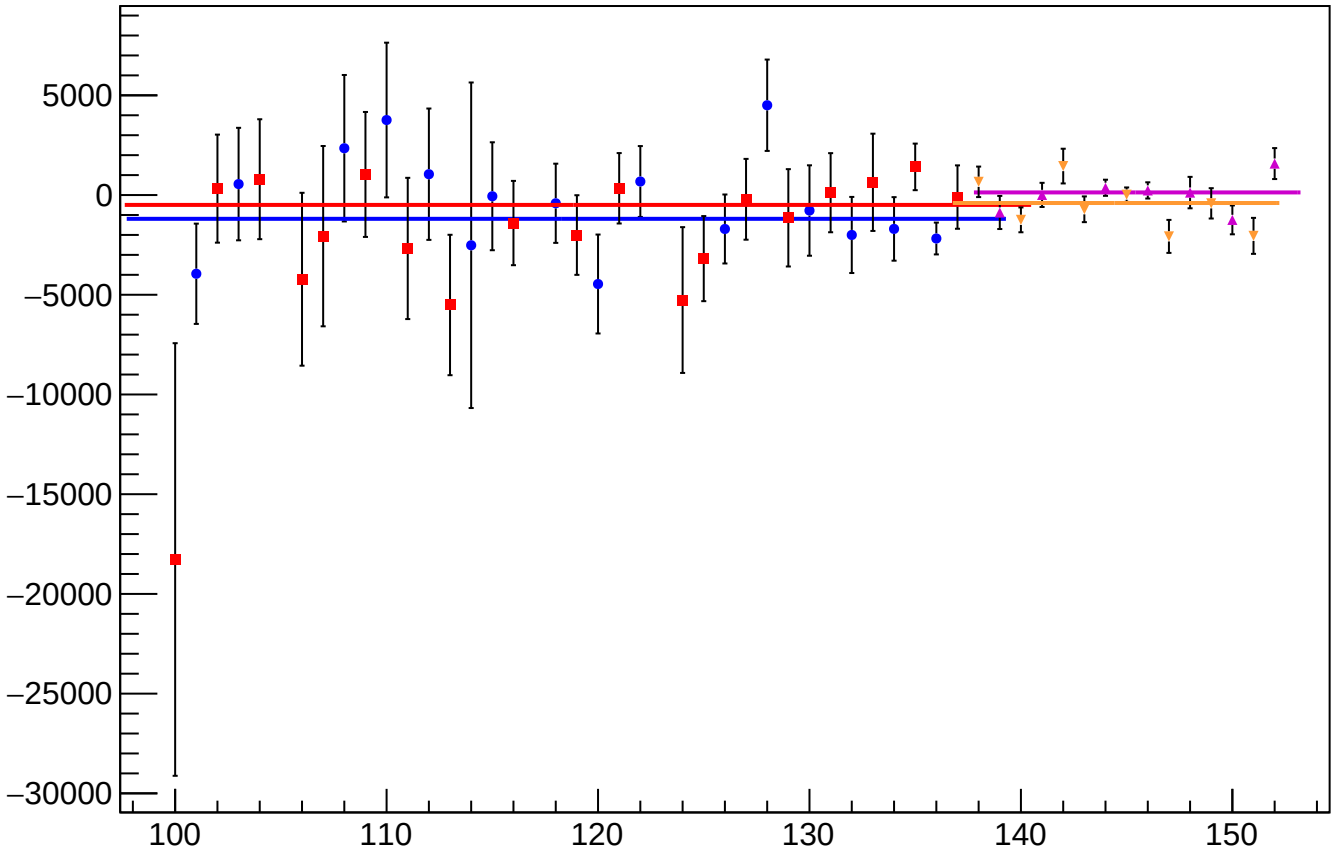
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 85.906+/-0.025 χ^2/NDF:192843.1/6

\+ sign 99.403+/-0.020 χ^2/NDF: 2109546.2/23

All: 99.589+/-0.014 χ^2/NDF: 4690559.5/49

\- sign 99.778+/-0.020 χ^2/NDF: 2580841.5/25



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -398.883+/-223.293 χ^2/NDF:17.3/7

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

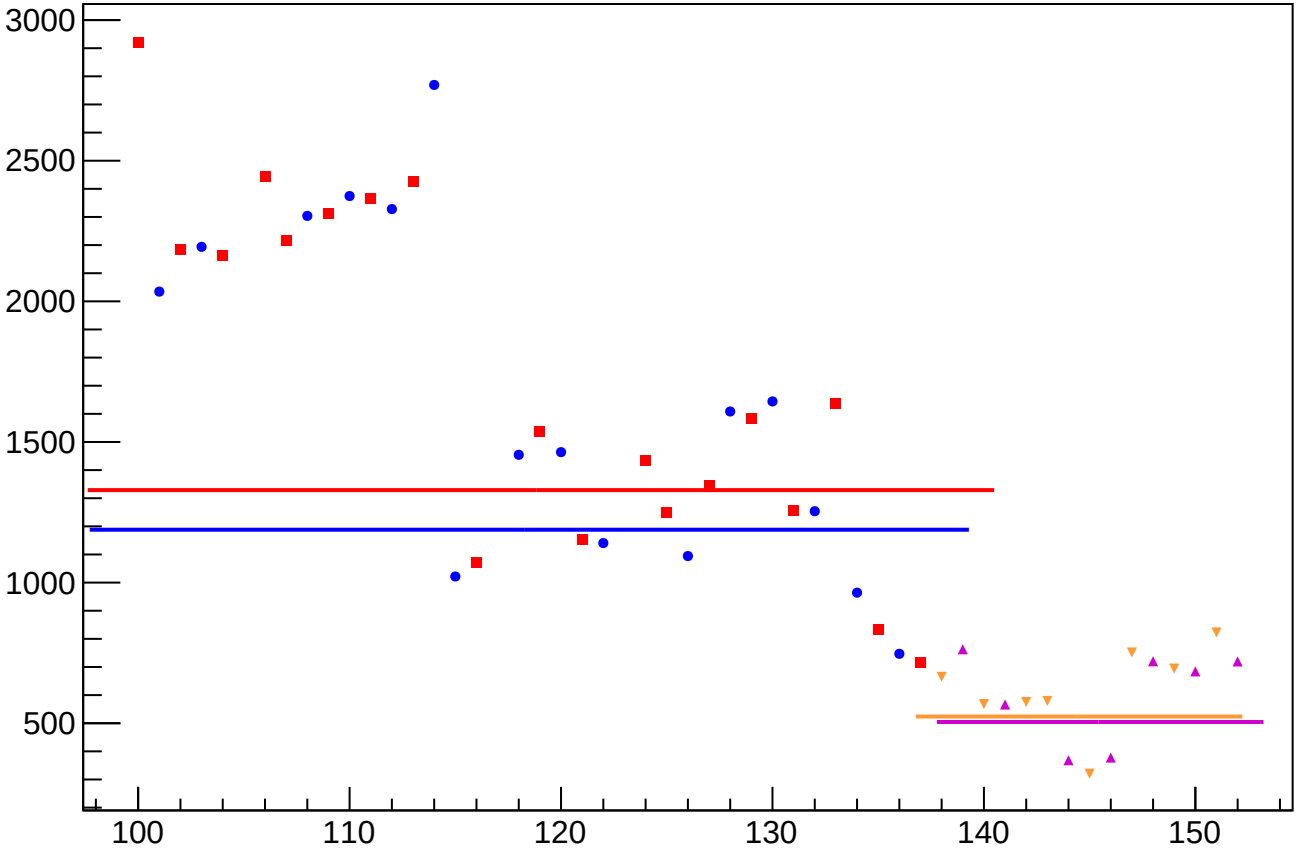
Left In: 131.311+/-215.662 χ^2/NDF:9.0/6

+ sign -540.542+/-202.376 χ^2/NDF: 35.5/23

All: -245.849+/-142.004 χ^2/NDF: 63.7/49

- sign 39.974+/-199.308 χ^2/NDF: 24.1/25

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 523.880+/-0.158 χ^2/NDF:1202005.1/7

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

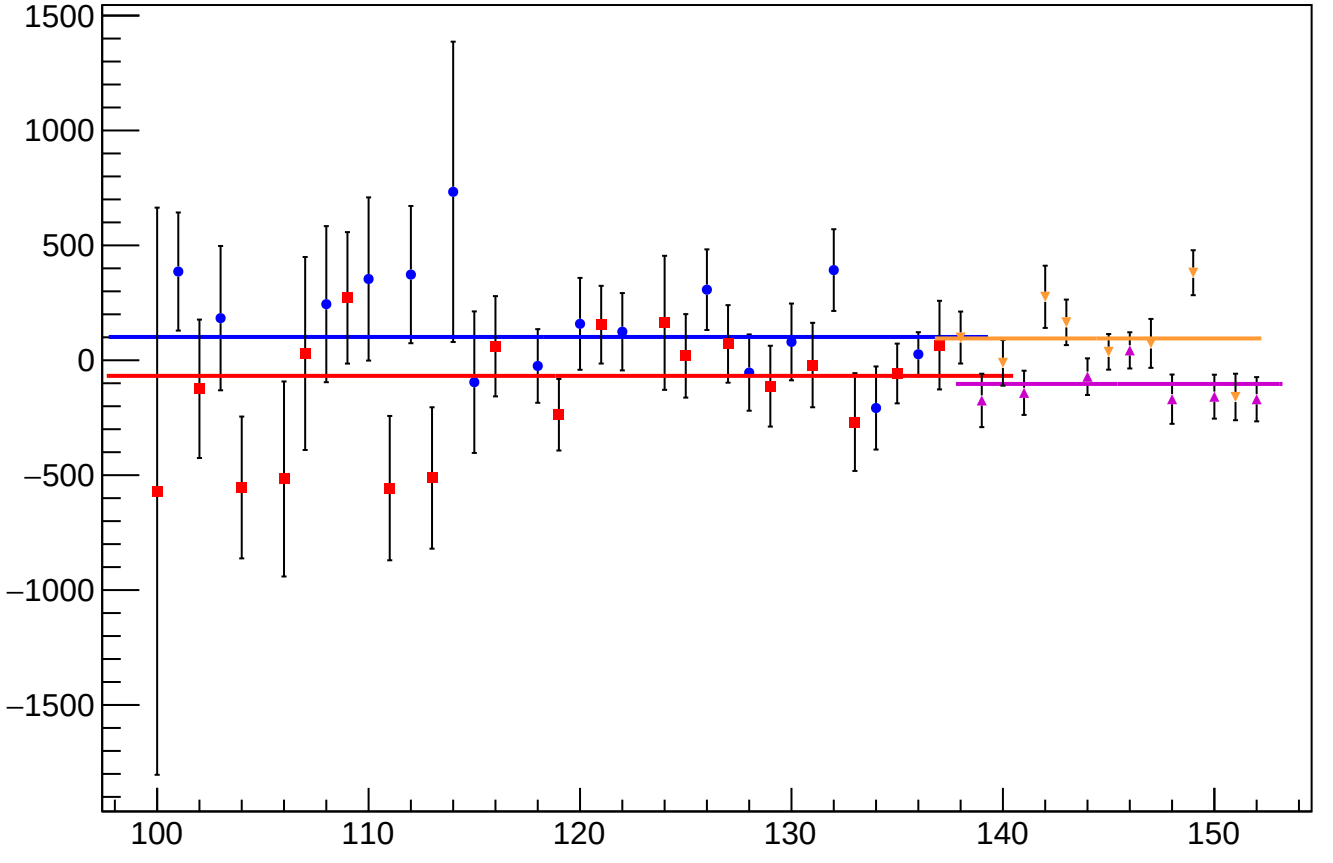
Left In: 504.433+/-0.152 χ^2/NDF:1061360.7/6

+ sign 642.486+/-0.143 χ^2/NDF: 6406579.5/23

All: 633.471+/-0.100 χ^2/NDF: 13697868.9/49

- sign 624.727+/-0.141 χ^2/NDF: 7283470.5/25

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 94.996+/-35.512 χ^2/NDF:18.9/7

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

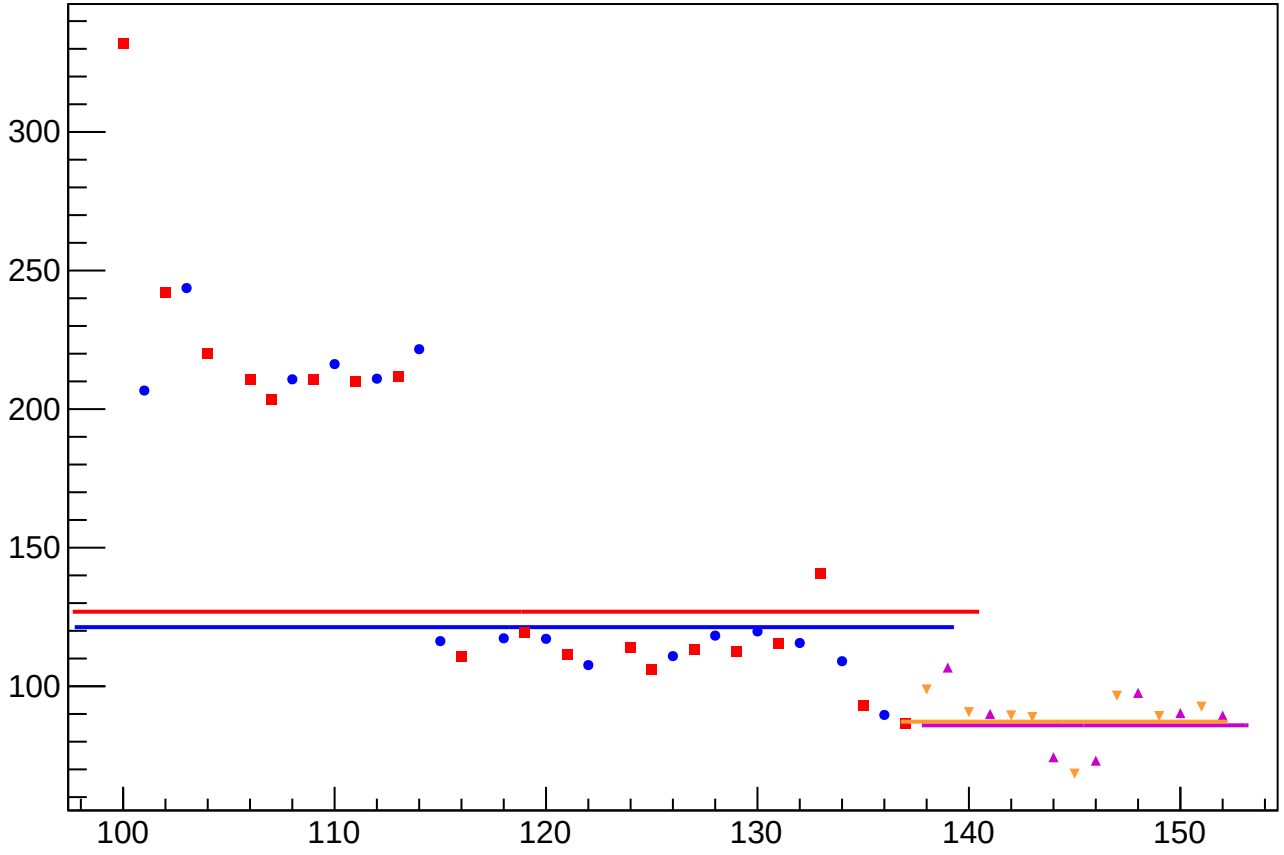
Left In: -102.962+/-35.247 χ^2/NDF:5.3/6

+ sign 97.300+/-28.470 χ^2/NDF: 32.3/23

All: 3.785+/-20.205 χ^2/NDF: 75.8/49

- sign -91.105+/-28.679 χ^2/NDF: 21.7/25

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.217+/-0.025 χ^2/NDF:163706.3/7

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

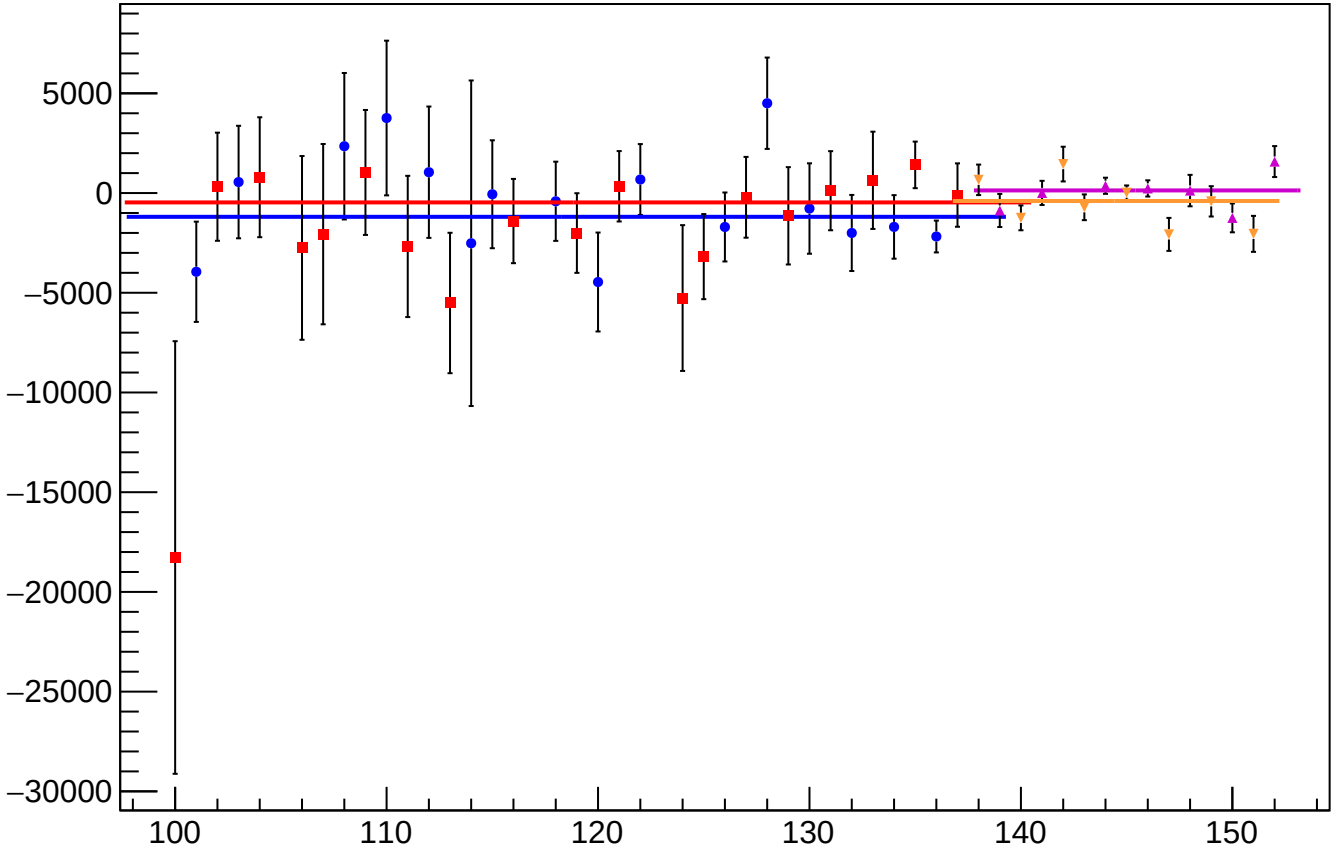
Left In: 85.906+/-0.025 χ^2/NDF:192843.1/6

+ sign 99.403+/-0.020 χ^2/NDF: 2109548.5/23

All: 99.580+/-0.014 χ^2/NDF: 4682124.3/49

- sign 99.760+/-0.020 χ^2/NDF: 2572420.1/25

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -398.874+/-223.293 χ^2/NDF:17.3/7

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

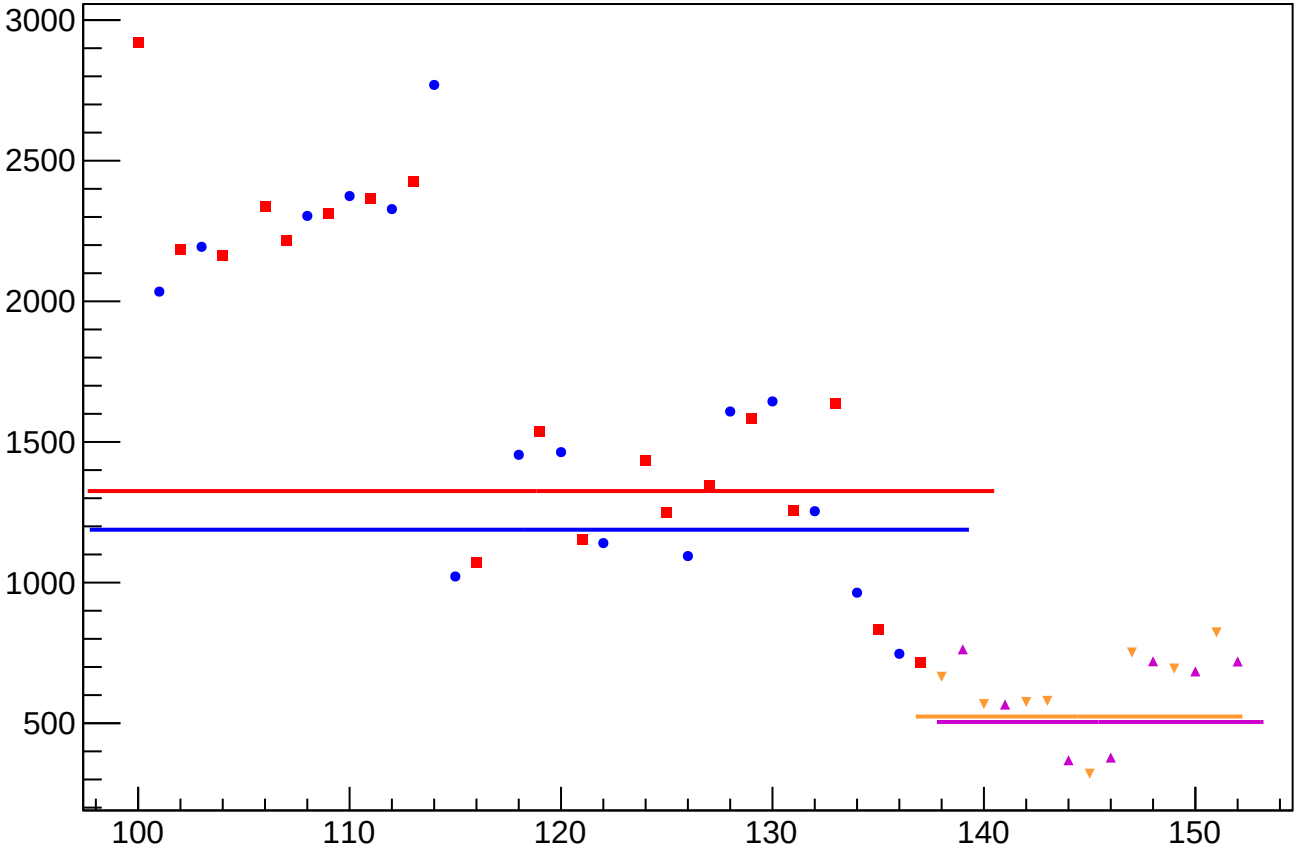
Left In: 131.307+/-215.662 χ^2/NDF:9.0/6

+ sign -540.530+/-202.376 χ^2/NDF: 35.5/23

All: -243.973+/-142.013 χ^2/NDF: 63.2/49

- sign 43.731+/-199.333 χ^2/NDF: 23.5/25

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 523.879+/-0.158 χ^2/NDF:1202011.7/7

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

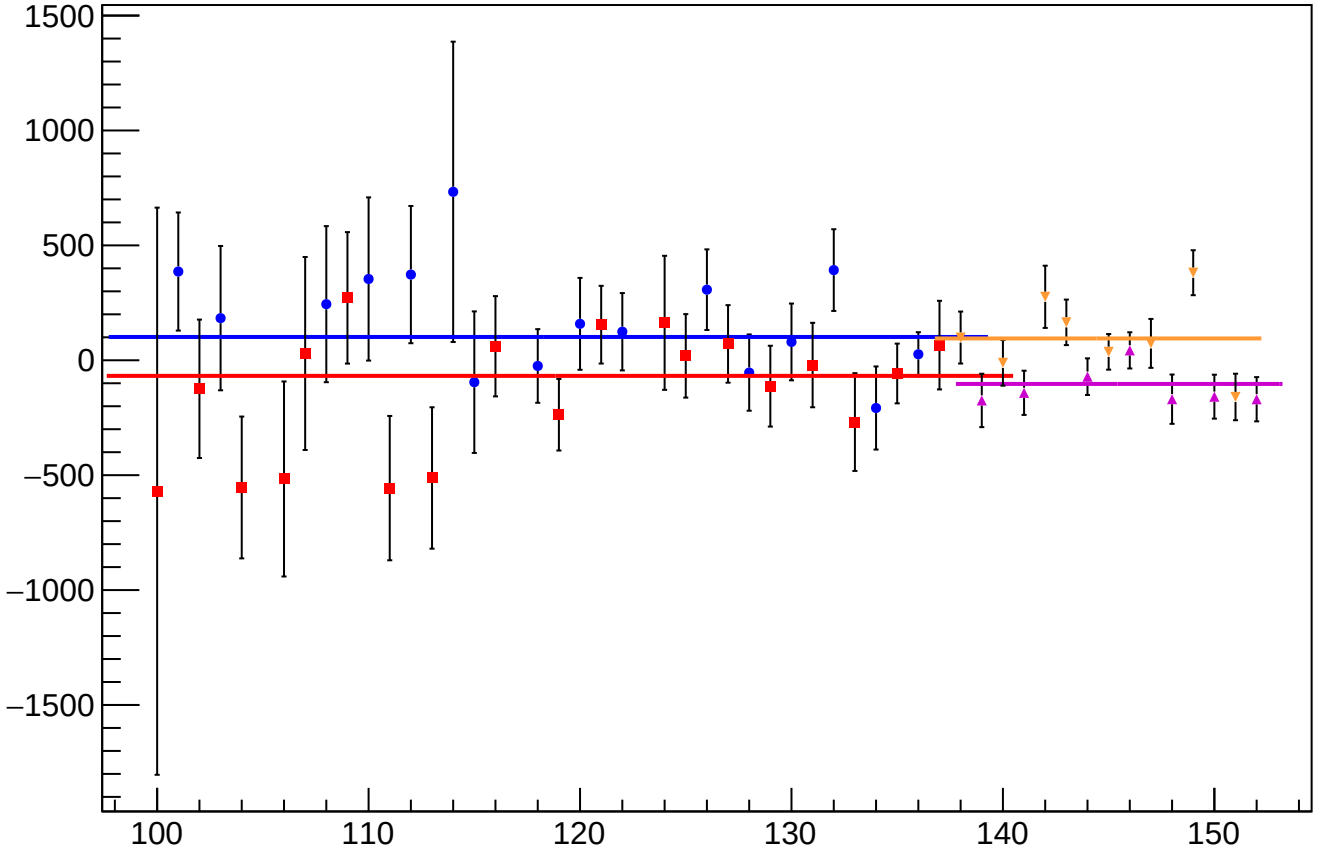
Left In: 504.433+/-0.152 χ^2/NDF:1061363.1/6

+ sign 642.485+/-0.143 χ^2/NDF: 6406615.9/23

All: 633.141+/-0.100 χ^2/NDF: 13621945.4/49

- sign 624.077+/-0.141 χ^2/NDF: 7206929.9/25

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 94.996+/-35.512 χ^2/NDF:18.9/7

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

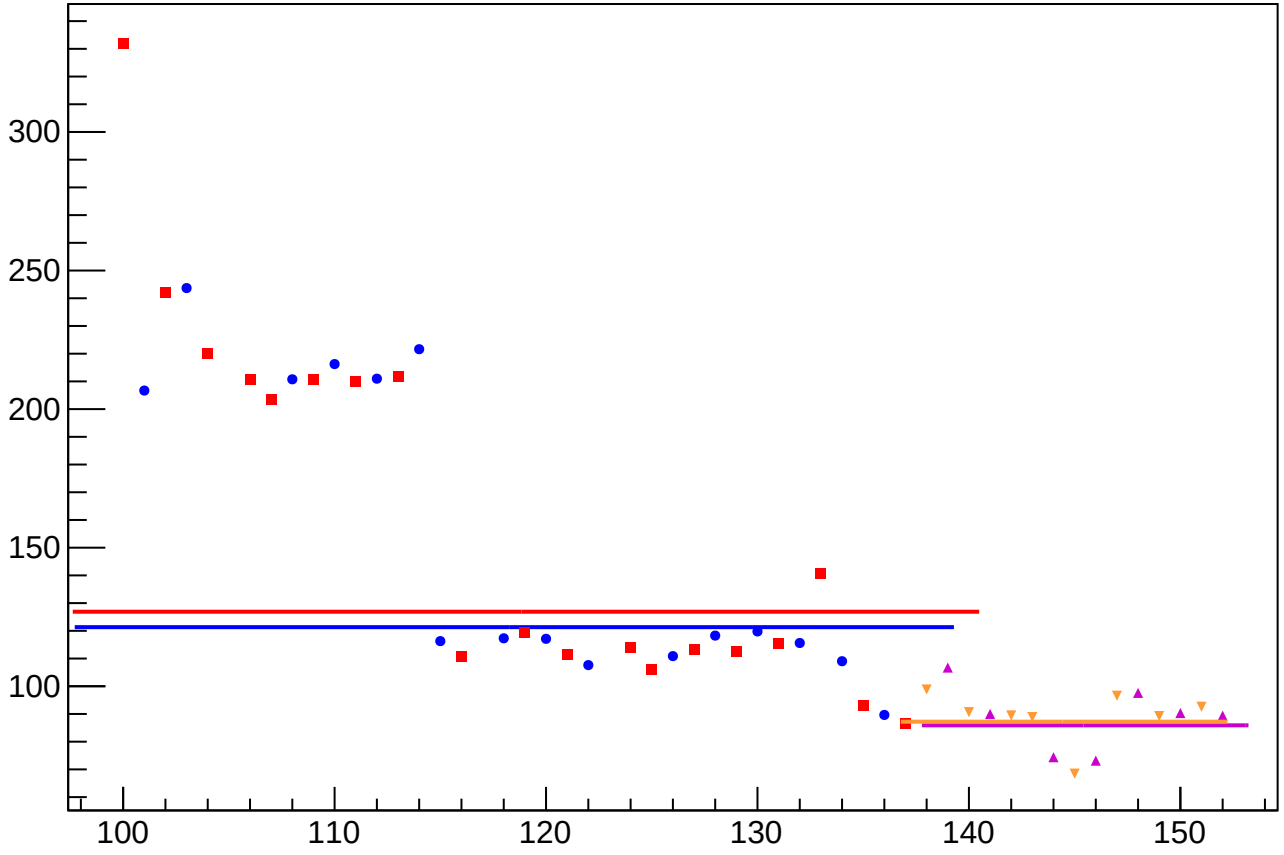
Left In: -102.962+/-35.247 χ^2/NDF:5.3/6

+ sign 97.300+/-28.470 χ^2/NDF: 32.3/23

All: 3.785+/-20.205 χ^2/NDF: 75.8/49

- sign -91.105+/-28.679 χ^2/NDF: 21.7/25

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.217+/-0.025 χ^2/NDF:163706.3/7

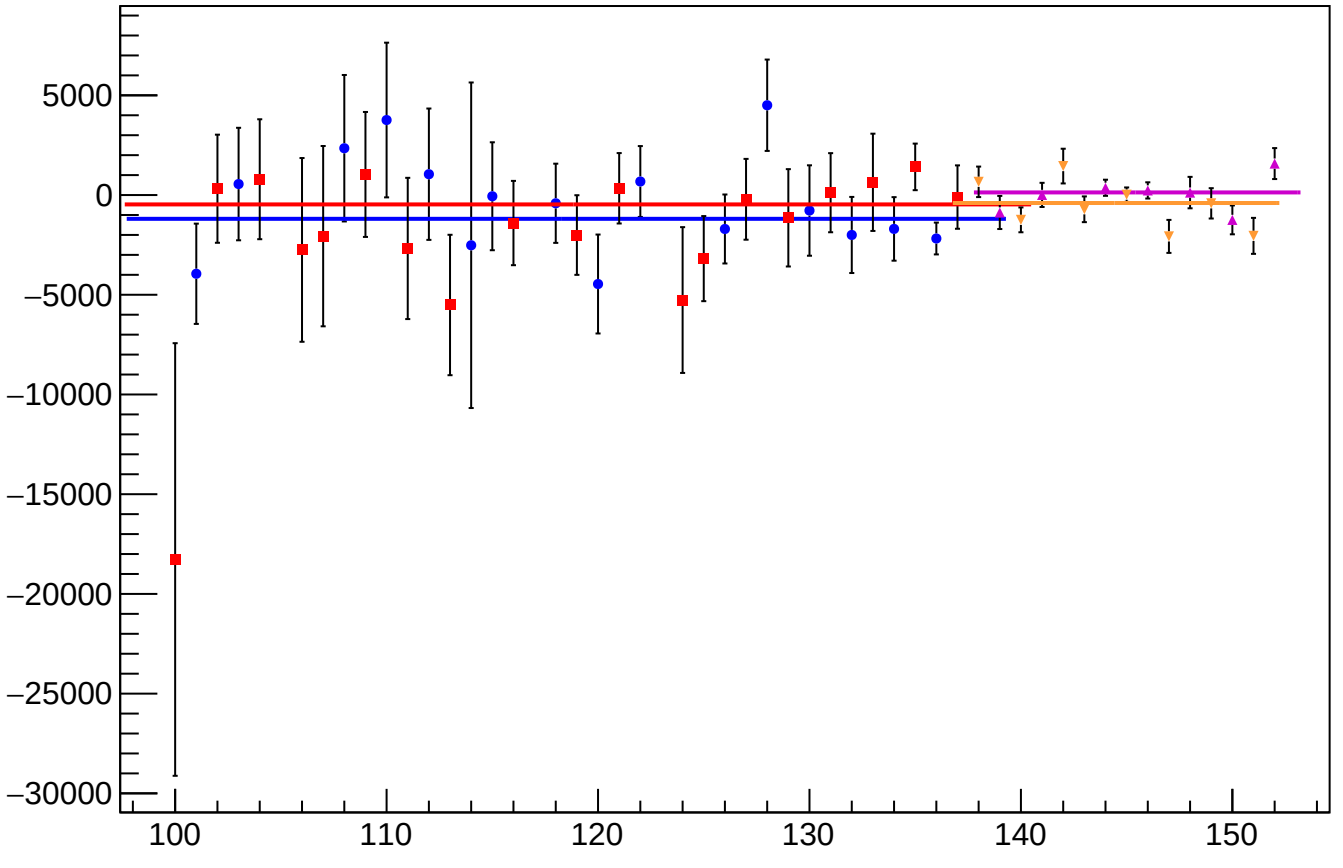
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 85.906+/-0.025 χ^2/NDF:192843.1/6

+ sign 99.403+/-0.020 χ^2/NDF: 2109548.5/23

All: 99.580+/-0.014 χ^2/NDF: 4682124.3/49

- sign 99.760+/-0.020 χ^2/NDF: 2572420.1/25



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -398.874+/-223.293 χ^2/NDF:17.3/7

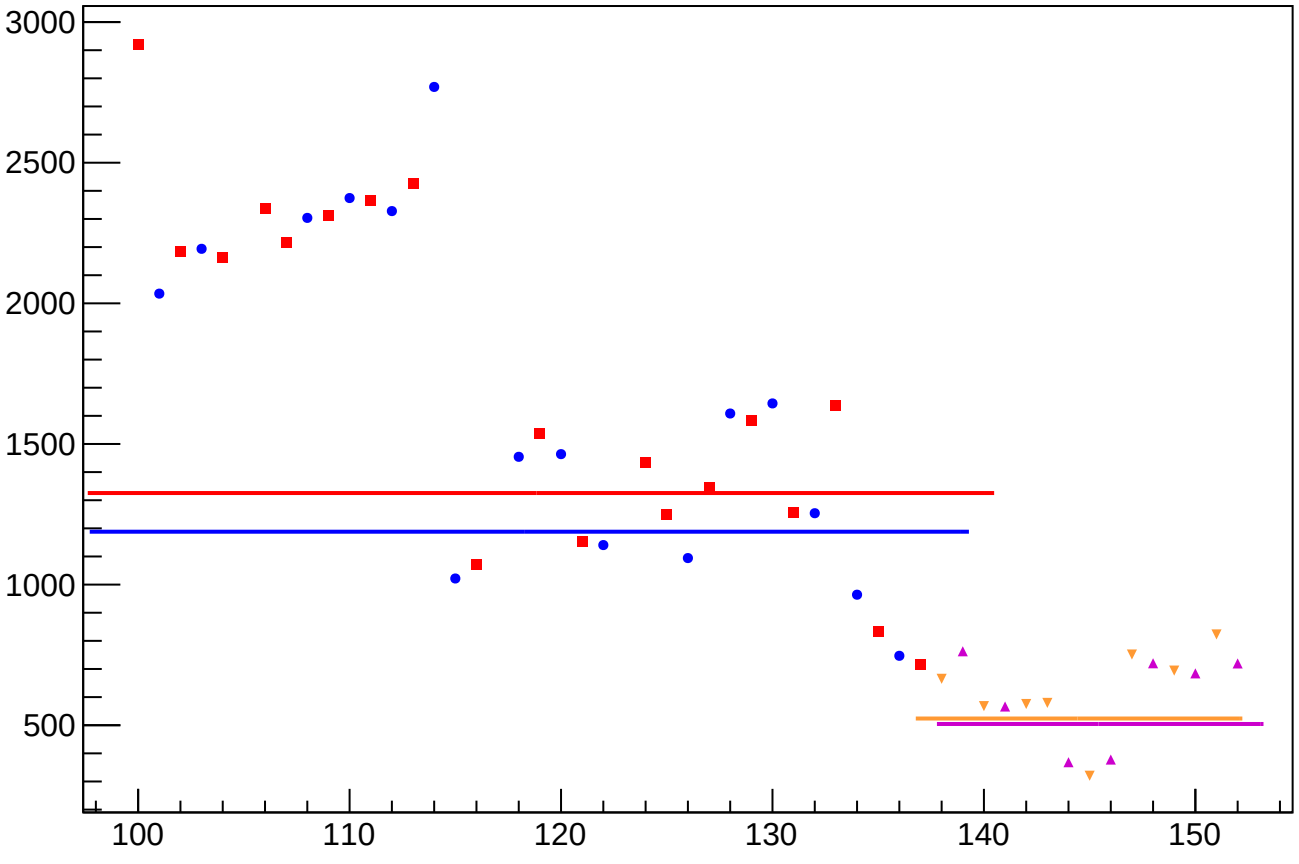
Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 131.307+/-215.662 χ^2/NDF:9.0/6

+ sign -540.530+/-202.376 χ^2/NDF: 35.5/23

All: -243.973+/-142.013 χ^2/NDF: 63.2/49

- sign 43.731+/-199.333 χ^2/NDF: 23.5/25



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 523.879+/-0.158 χ^2/NDF:1202011.7/7

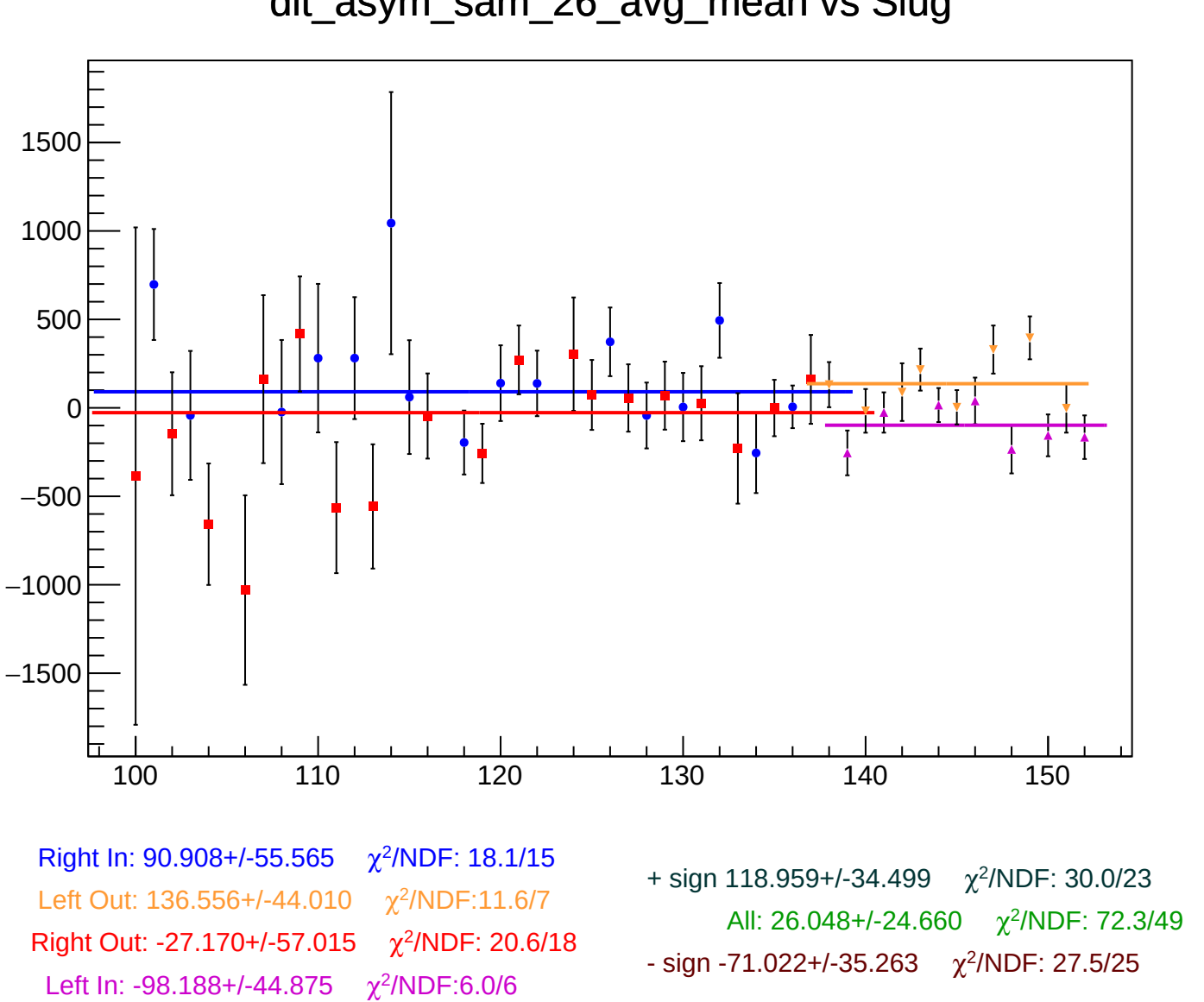
Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 504.433+/-0.152 χ^2/NDF:1061363.1/6

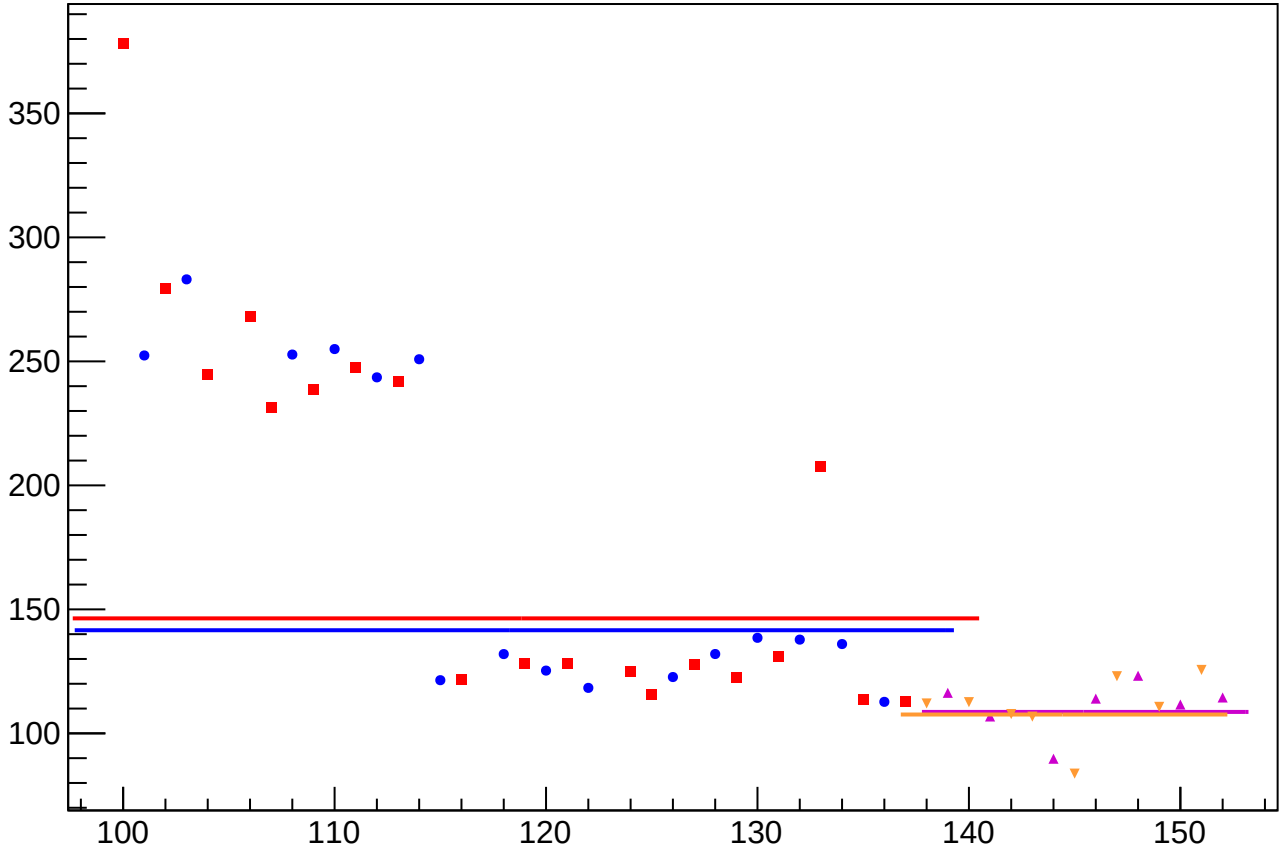
+ sign 642.485+/-0.143 χ^2/NDF: 6406615.9/23

All: 633.141+/-0.100 χ^2/NDF: 13621945.4/49

- sign 624.077+/-0.141 χ^2/NDF: 7206929.9/25


dit_asym_sam_26_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Right In: 90.908+/-55.565 χ²/NDF: 18.1/15
Left Out: 136.556+/-44.010 χ²/NDF:11.6/7
Right Out: -27.170+/-57.015 χ²/NDF: 20.6/18
Left In: -98.188+/-44.875 χ²/NDF:6.0/6
+ sign 118.959+/-34.499 χ²/NDF: 30.0/23
All: 26.048+/-24.660 χ²/NDF: 72.3/49
- sign -71.022+/-35.263 χ²/NDF: 27.5/25

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.603+/-0.031 χ^2/NDF:187663.1/7

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

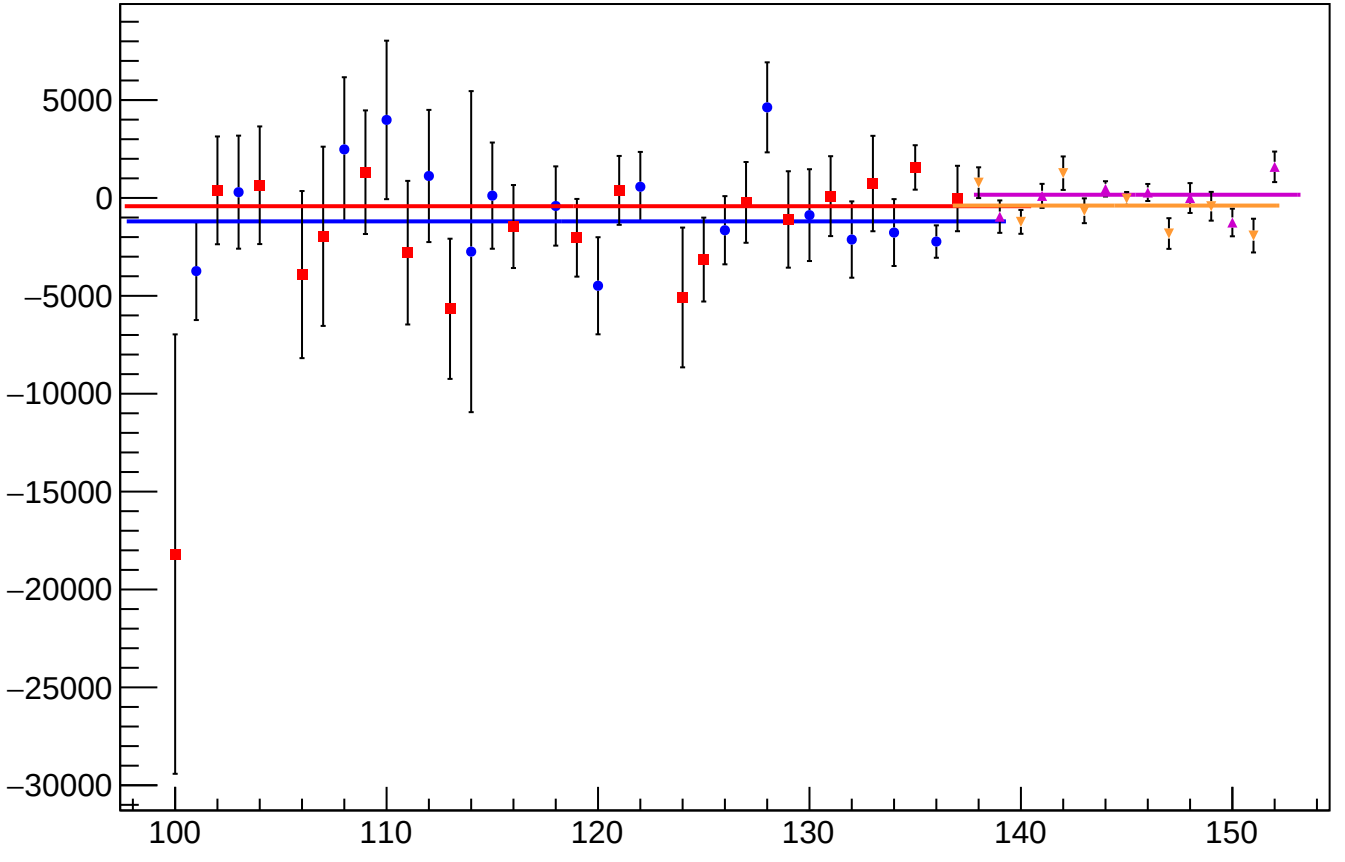
Left In: 108.647+/-0.032 χ^2/NDF:117045.1/6

+ sign 120.704+/-0.024 χ^2/NDF: 1909729.3/23

All: 121.864+/-0.017 χ^2/NDF: 4085615.5/49

- sign 123.076+/-0.025 χ^2/NDF: 2171260.3/25

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -389.333+/-213.375 χ^2/NDF:15.6/7

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

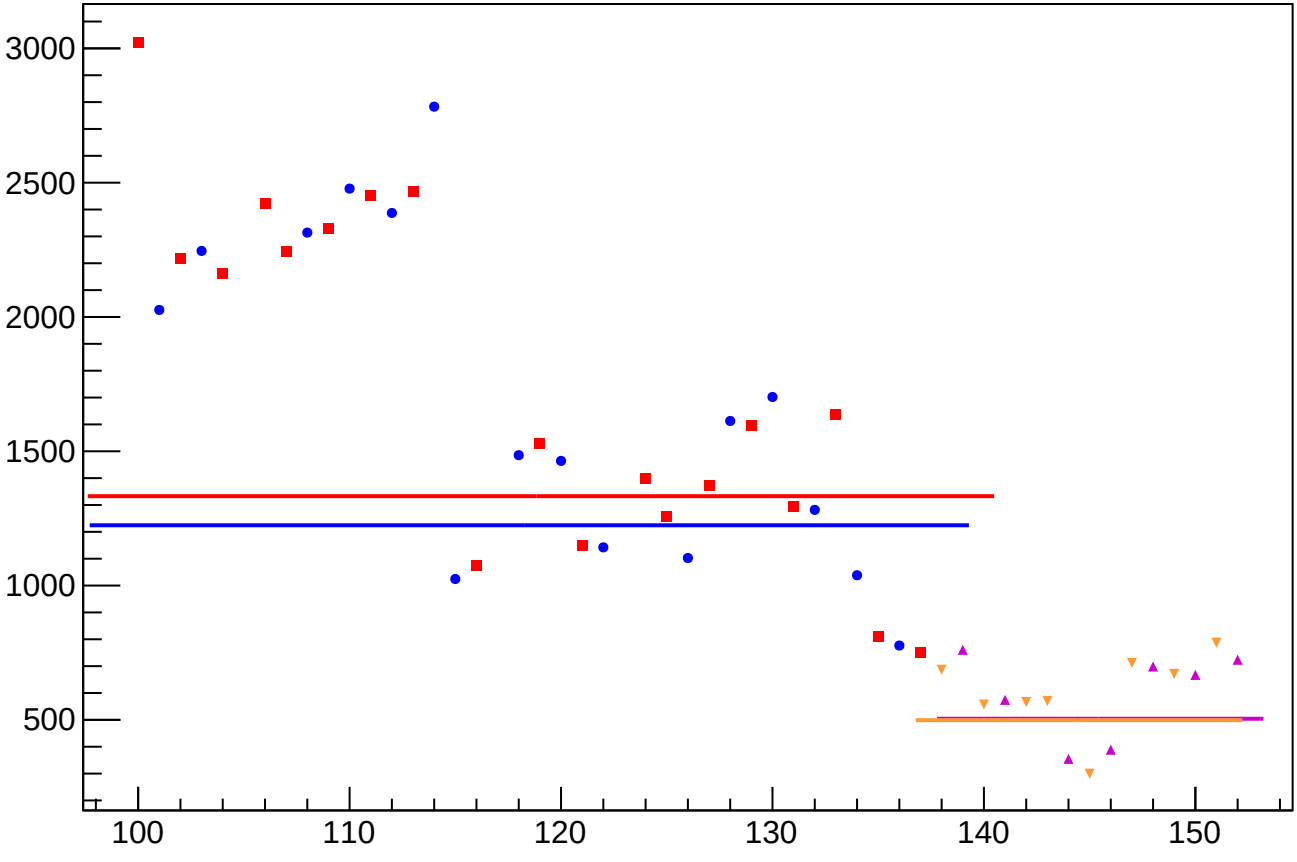
Left In: 163.238+/-216.607 χ^2/NDF:9.9/6

+ sign -517.412+/-195.719 χ^2/NDF: 33.9/23

All: -226.515+/-139.941 χ^2/NDF: 63.7/49

- sign 77.759+/-200.169 χ^2/NDF: 25.3/25

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 498.778+/-0.151 χ^2/NDF:1364921.1/7

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

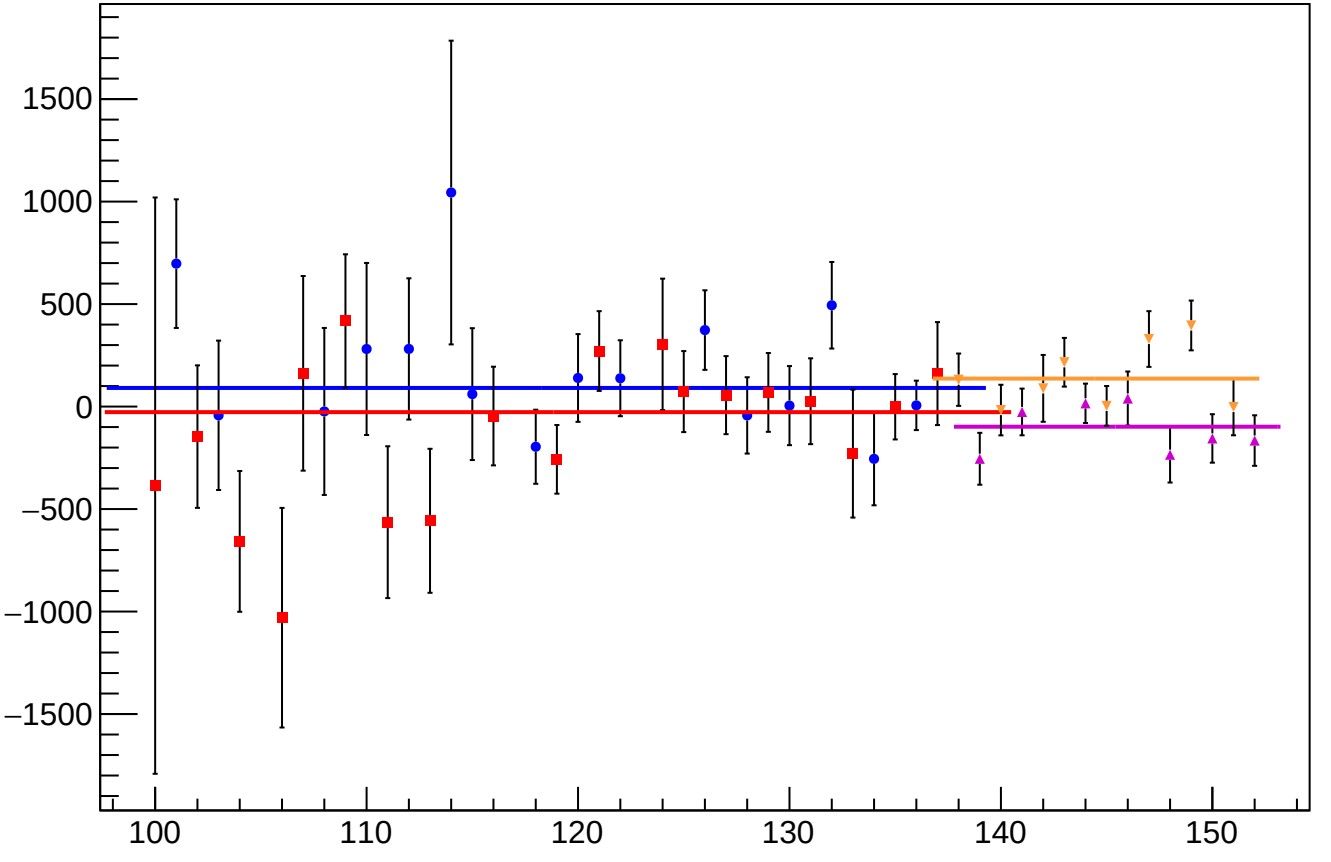
Left In: 504.199+/-0.153 χ^2/NDF:1046550.6/6

+ sign 613.905+/-0.138 χ^2/NDF: 6994333.5/23

All: 619.419+/-0.099 χ^2/NDF: 14312273.7/49

- sign 625.187+/-0.142 χ^2/NDF: 7314692.0/25

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 136.555+/-44.010 χ^2/NDF:11.6/7

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

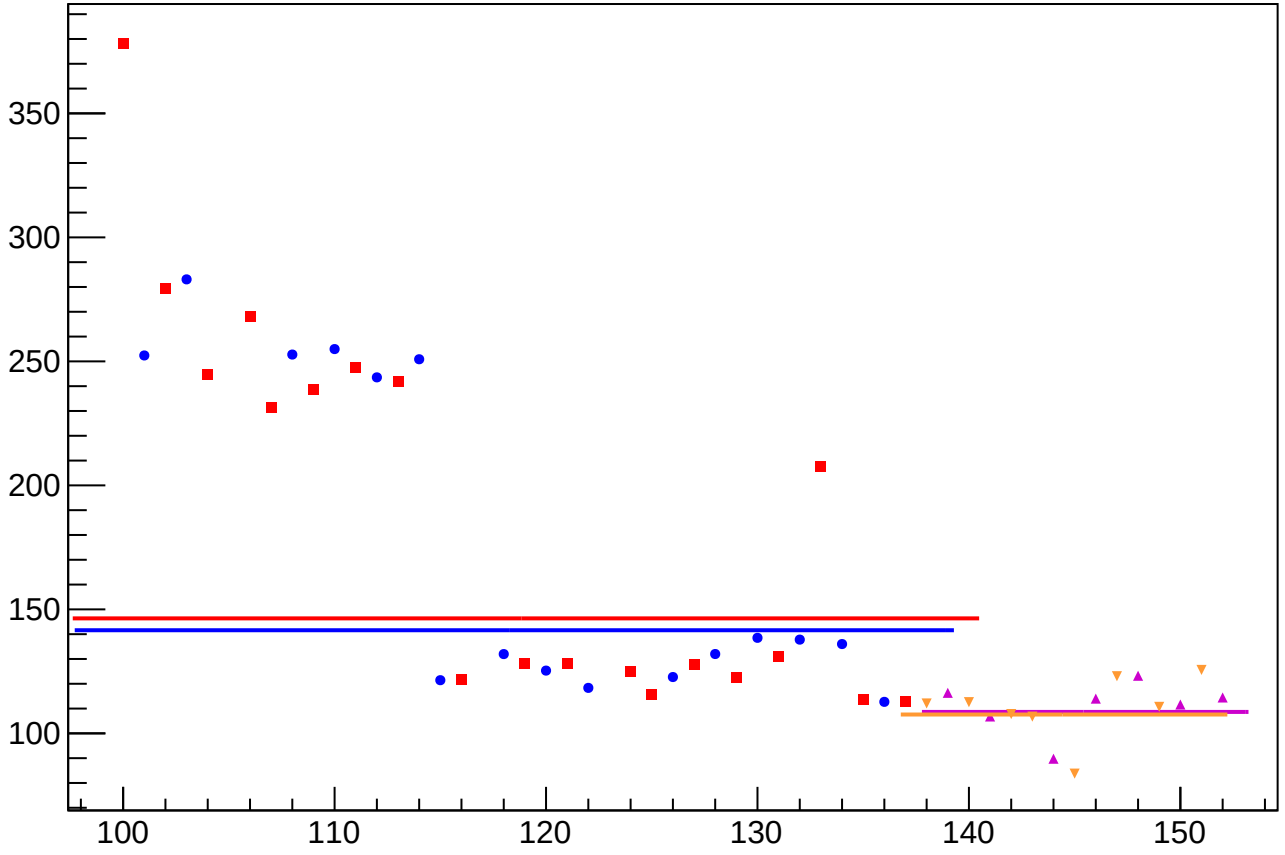
Left In: -98.187+/-44.875 χ^2/NDF:6.0/6

+ sign 118.959+/-34.499 χ^2/NDF: 30.0/23

All: 26.049+/-24.660 χ^2/NDF: 72.3/49

- sign -71.021+/-35.263 χ^2/NDF: 27.5/25

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 107.604+/-0.031 χ^2/NDF:187655.2/7

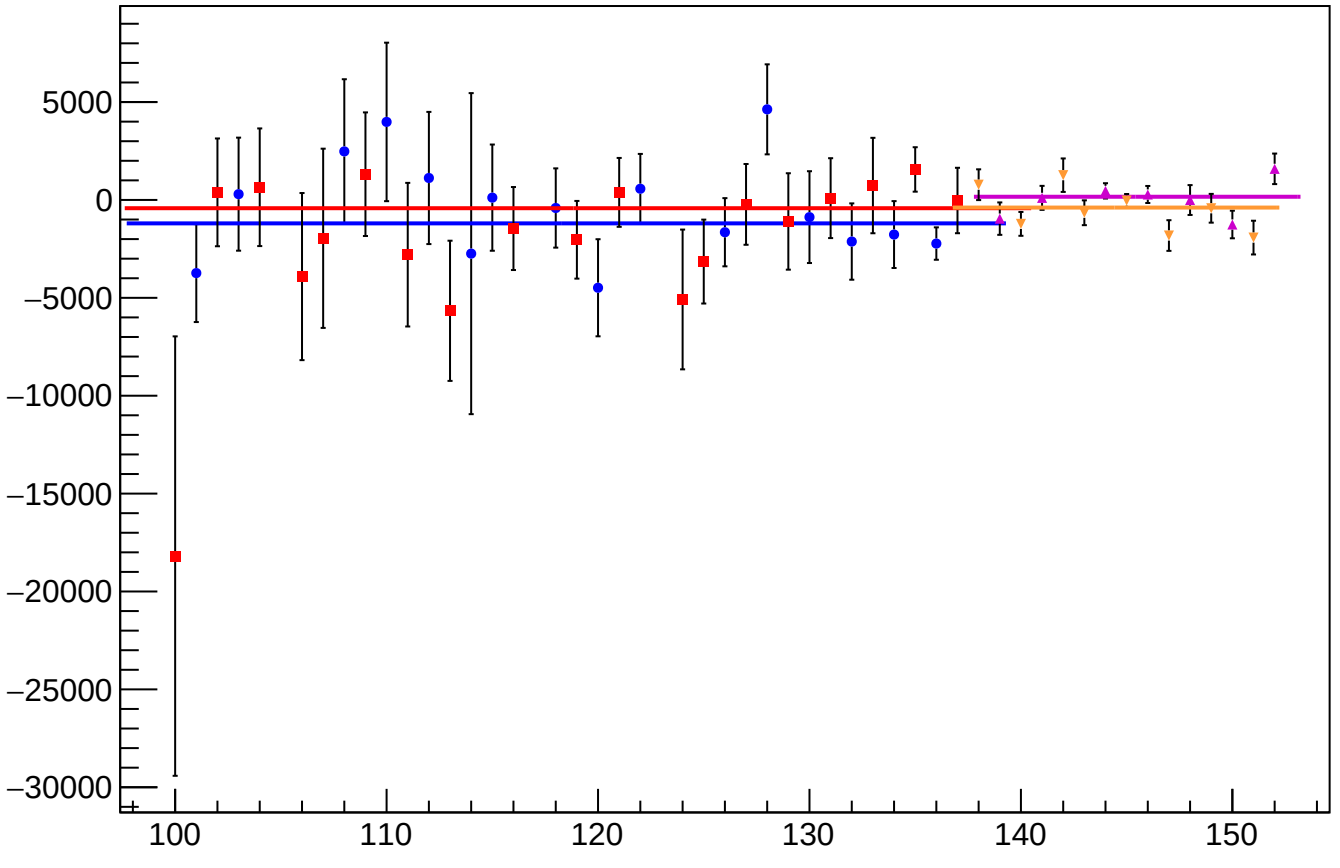
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 108.648+/-0.032 χ^2/NDF:117042.1/6

+ sign 120.704+/-0.024 χ^2/NDF: 1909672.5/23

All: 121.864+/-0.017 χ^2/NDF: 4085515.8/49

- sign 123.077+/-0.025 χ^2/NDF: 2171217.1/25



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -389.332+/-213.374 χ^2/NDF:15.6/7

Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

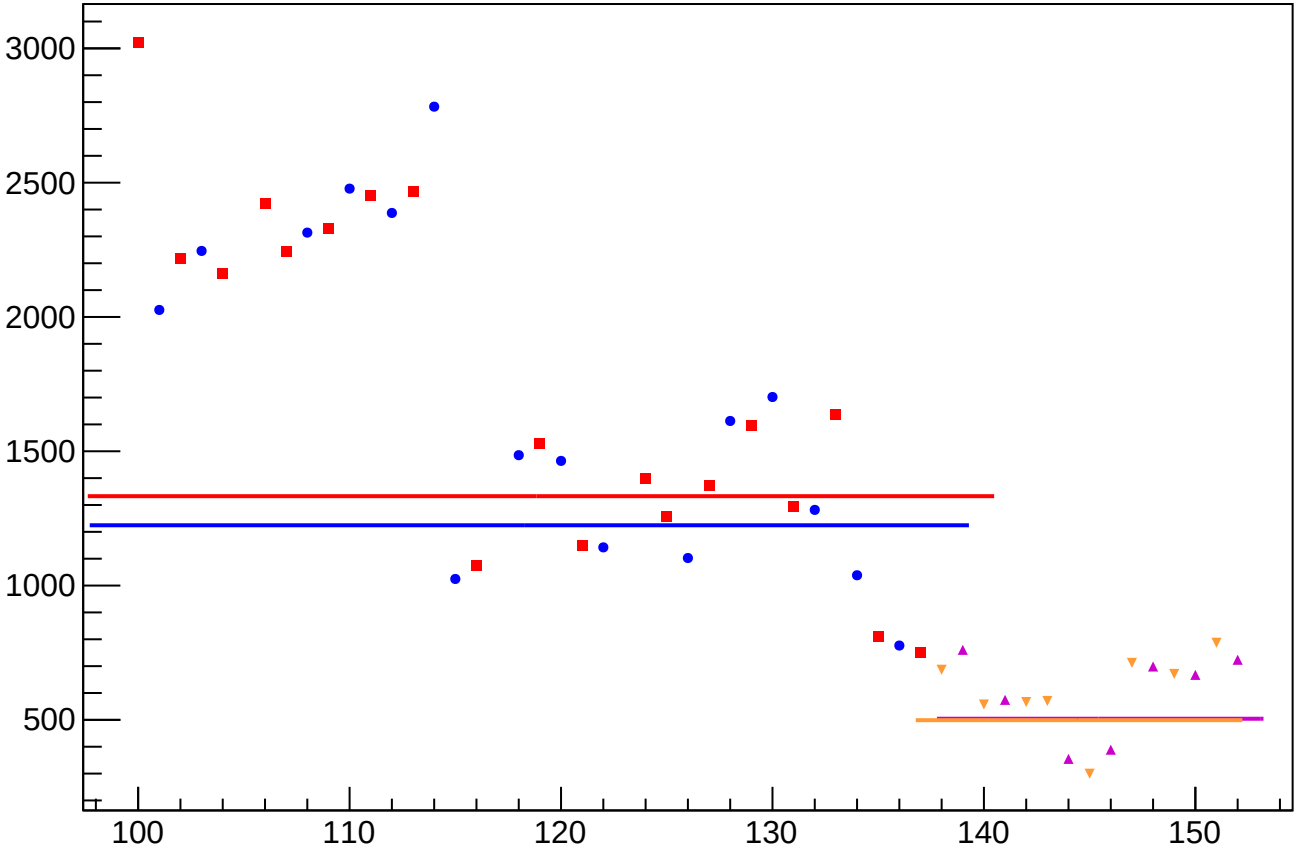
Left In: 163.238+/-216.607 χ^2/NDF:9.9/6

+ sign -517.409+/-195.718 χ^2/NDF: 33.9/23

All: -226.515+/-139.941 χ^2/NDF: 63.7/49

- sign 77.759+/-200.169 χ^2/NDF: 25.3/25

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 498.776+/-0.151 χ^2/NDF:1364952.7/7

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

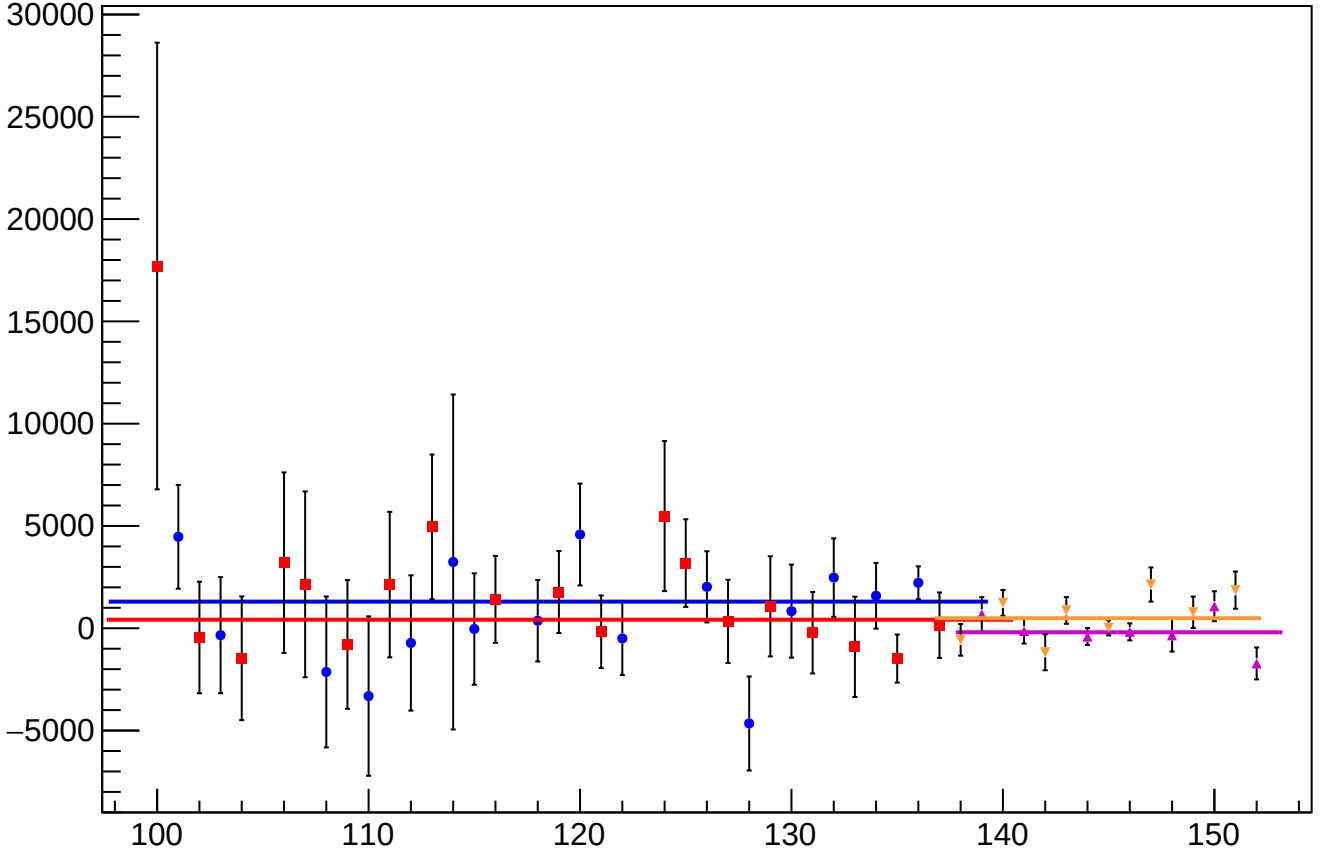
Left In: 504.197+/-0.153 χ^2/NDF:1046560.9/6

+ sign 613.902+/-0.138 χ^2/NDF: 6994376.5/23

All: 619.417+/-0.099 χ^2/NDF: 14312328.1/49

- sign 625.186+/-0.142 χ^2/NDF: 7314702.6/25

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 490.562+/-226.809 χ^2/NDF:15.1/7

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

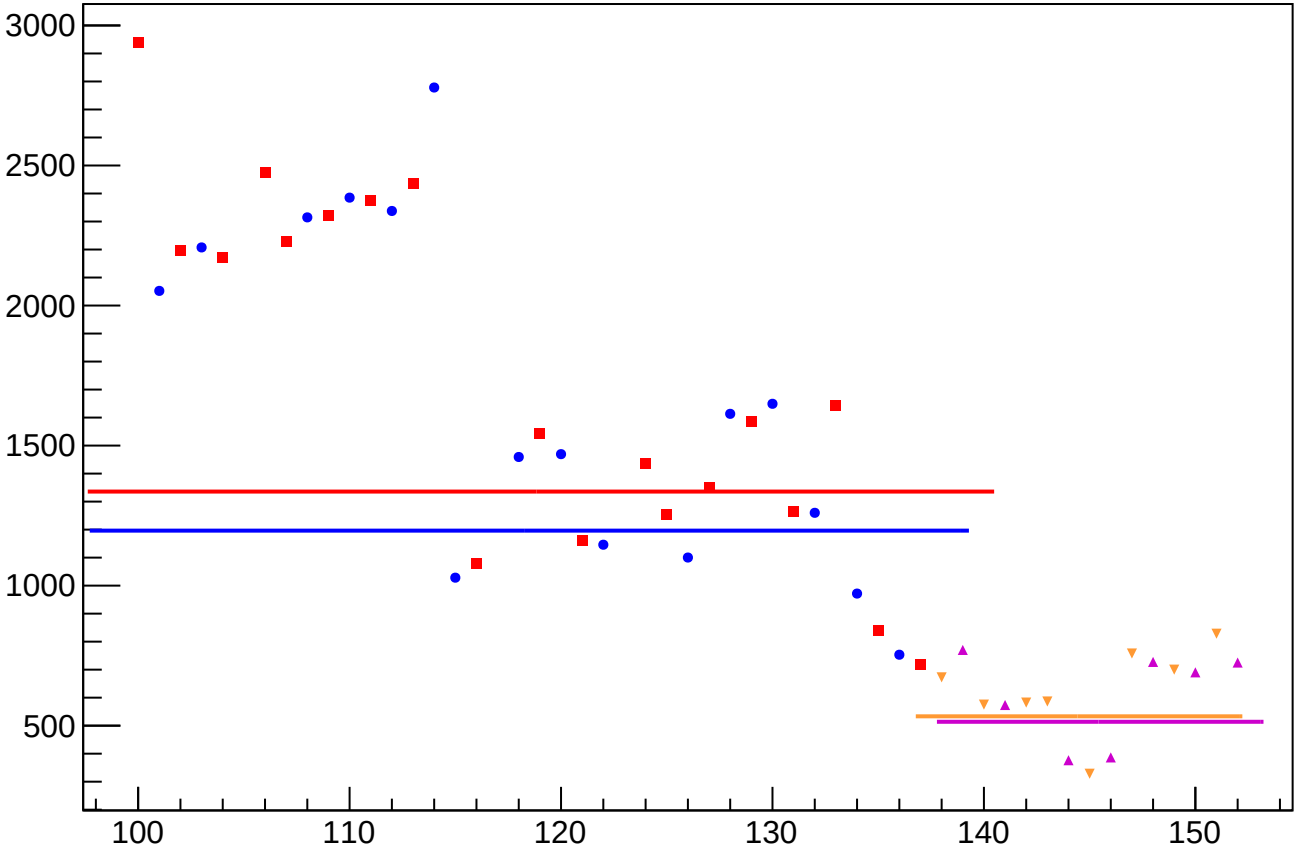
Left In: -197.242+/-219.251 χ^2/NDF:8.2/6

+ sign 637.615+/-205.220 χ^2/NDF: 33.9/23

All: 260.617+/-144.065 χ^2/NDF: 63.0/49

- sign -105.688+/-202.289 χ^2/NDF: 22.4/25

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 533.351+/-0.160 χ^2/NDF:1153268.1/7

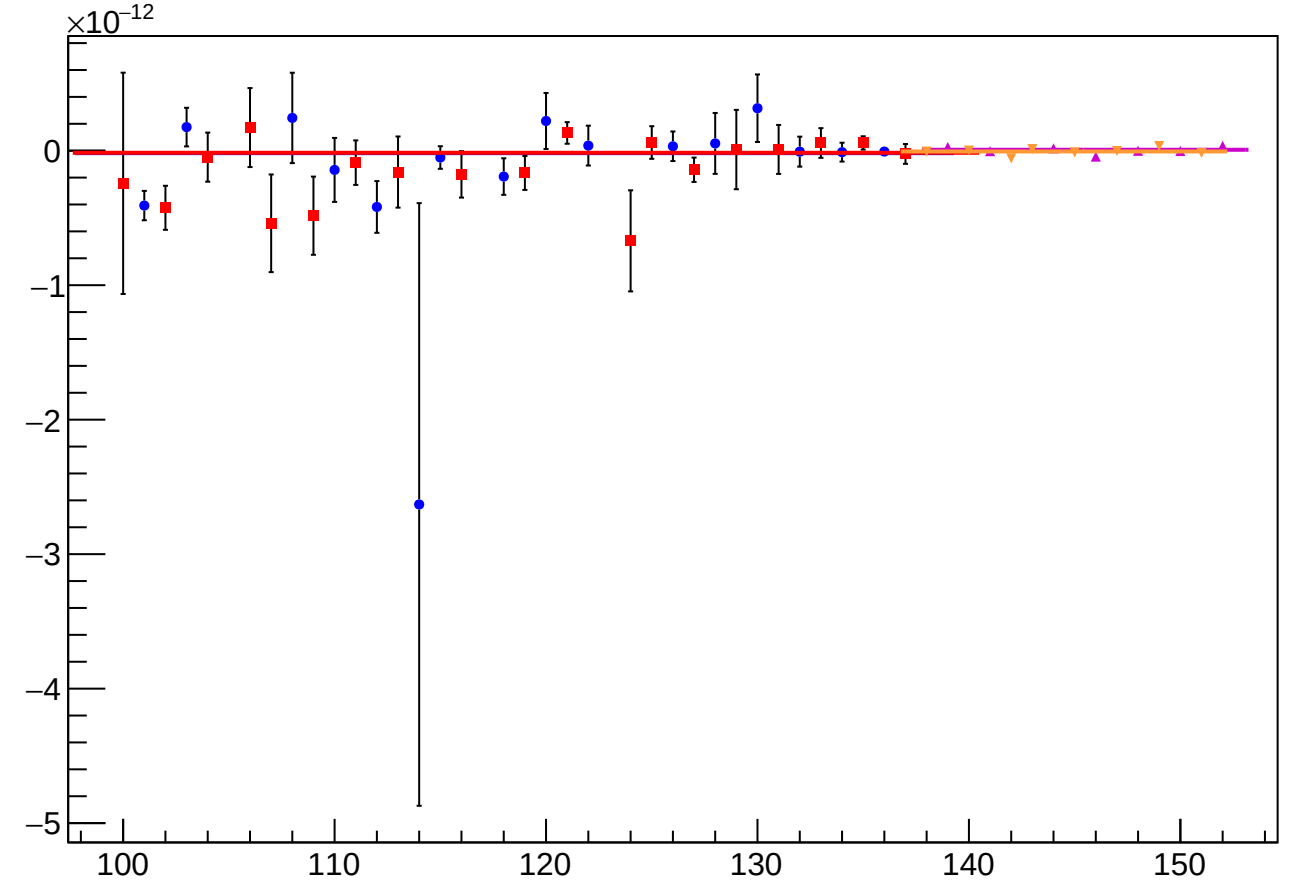
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 513.858+/-0.155 χ^2/NDF:1021513.1/6

+ sign 653.559+/-0.145 χ^2/NDF: 6283538.0/23

All: 644.712+/-0.102 χ^2/NDF: 13444735.9/49

- sign 636.115+/-0.143 χ^2/NDF: 7153868.4/25



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/7

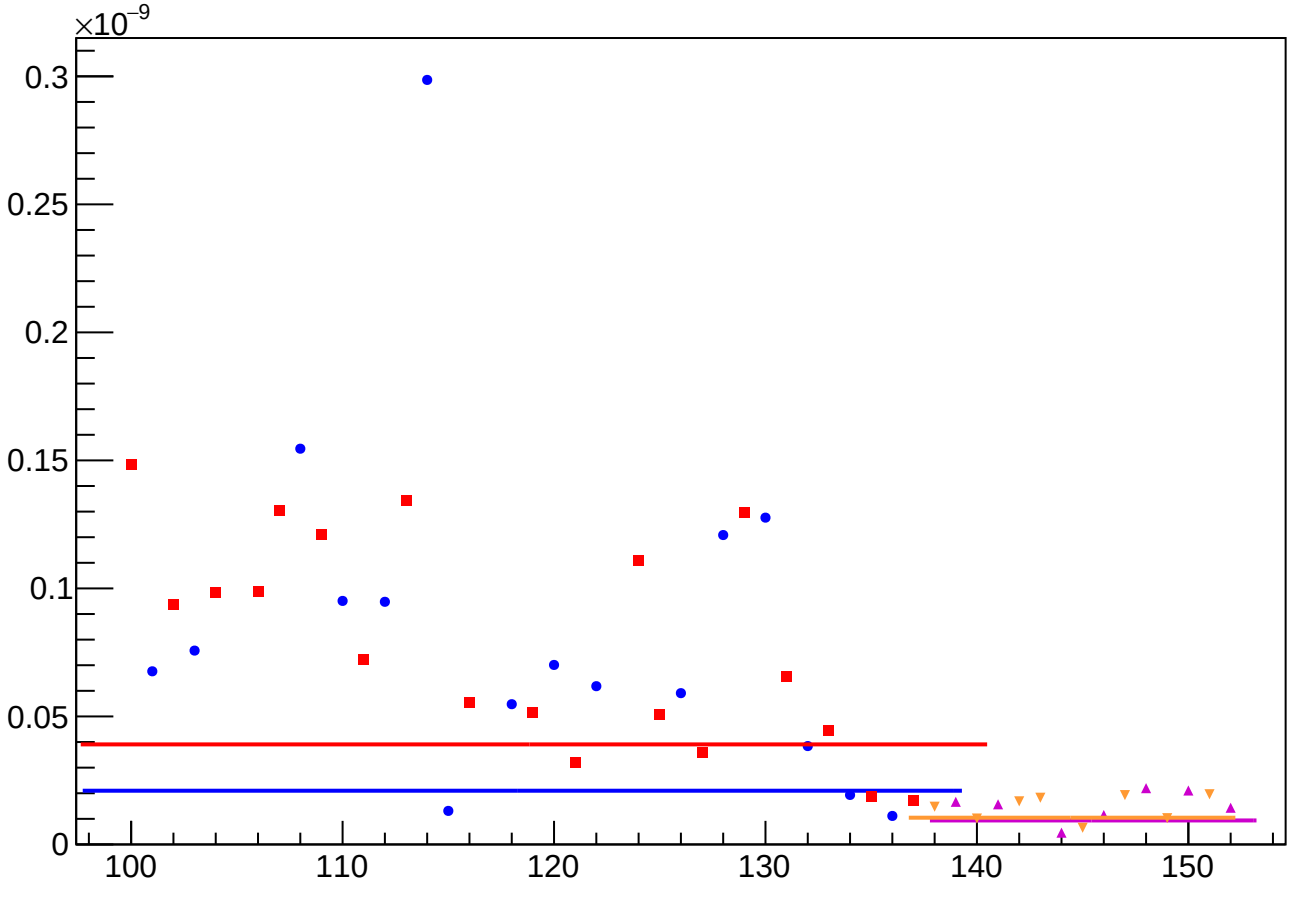
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/23

All: -0.000+/-0.000 χ^2/NDF: 72.2/49

- sign 0.000+/-0.000 χ^2/NDF: 37.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:816127.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

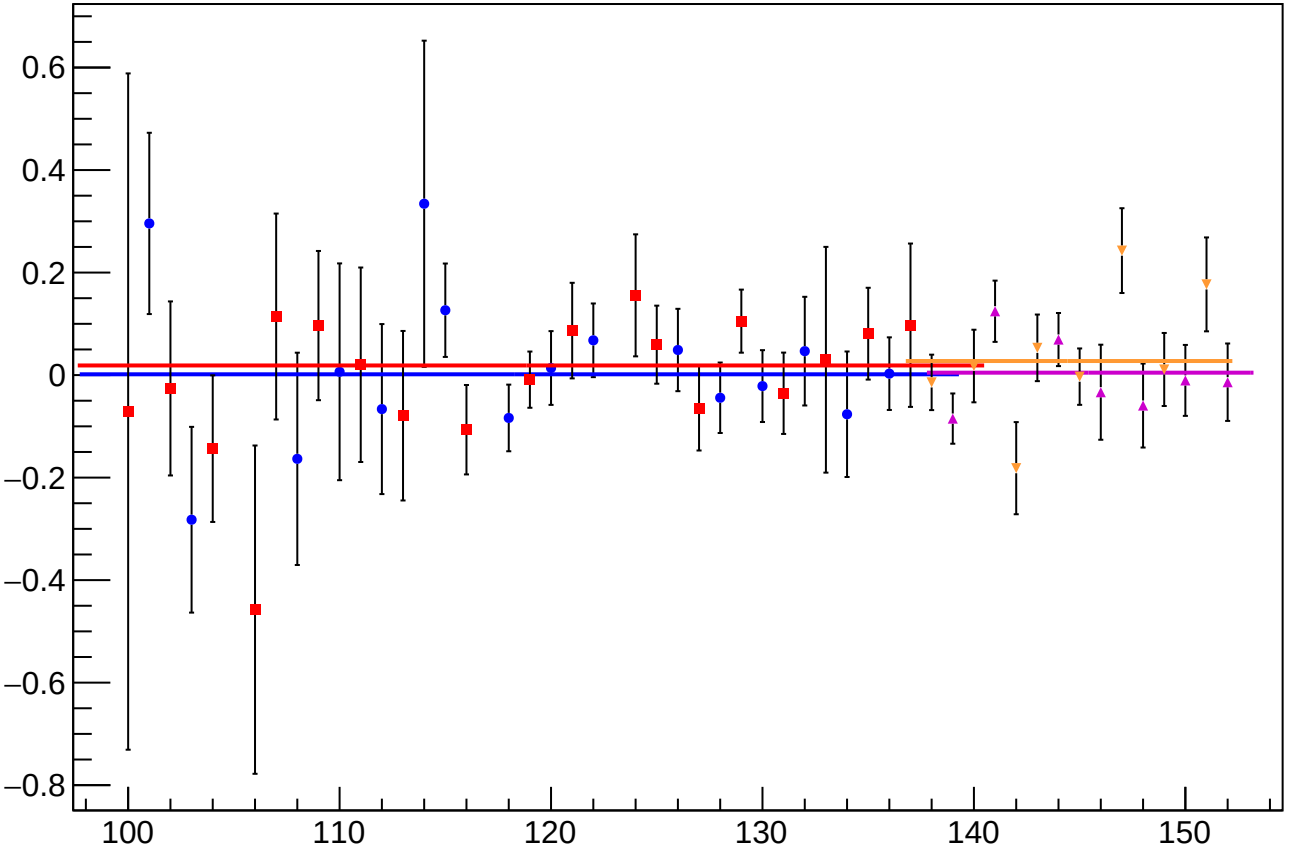
Left In: 0.000+/-0.000 χ^2/NDF:1343966.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 4798198.4/23

All: 0.000+/-0.000 χ^2/NDF: 10402035.9/49

- sign 0.000+/-0.000 χ^2/NDF: 5592957.4/25

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: 0.027+/-0.024 χ^2/NDF:16.0/7

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

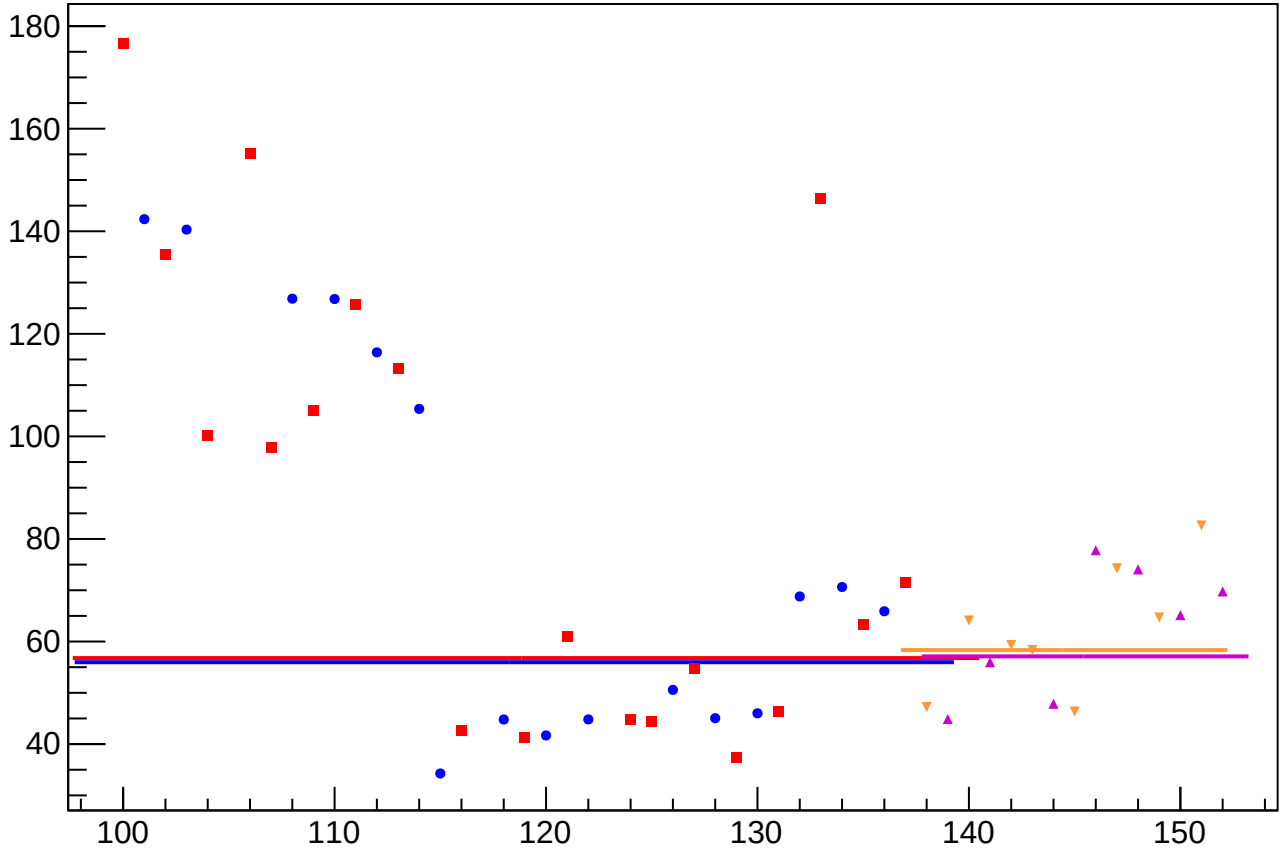
Left In: 0.005+/-0.024 χ^2/NDF:9.8/6

+ sign 0.014+/-0.017 χ^2/NDF: 29.7/23

All: 0.013+/-0.012 χ^2/NDF: 52.7/49

- sign 0.012+/-0.017 χ^2/NDF: 23.1/25

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 58.331+/-0.017 χ^2/NDF:423792.6/7

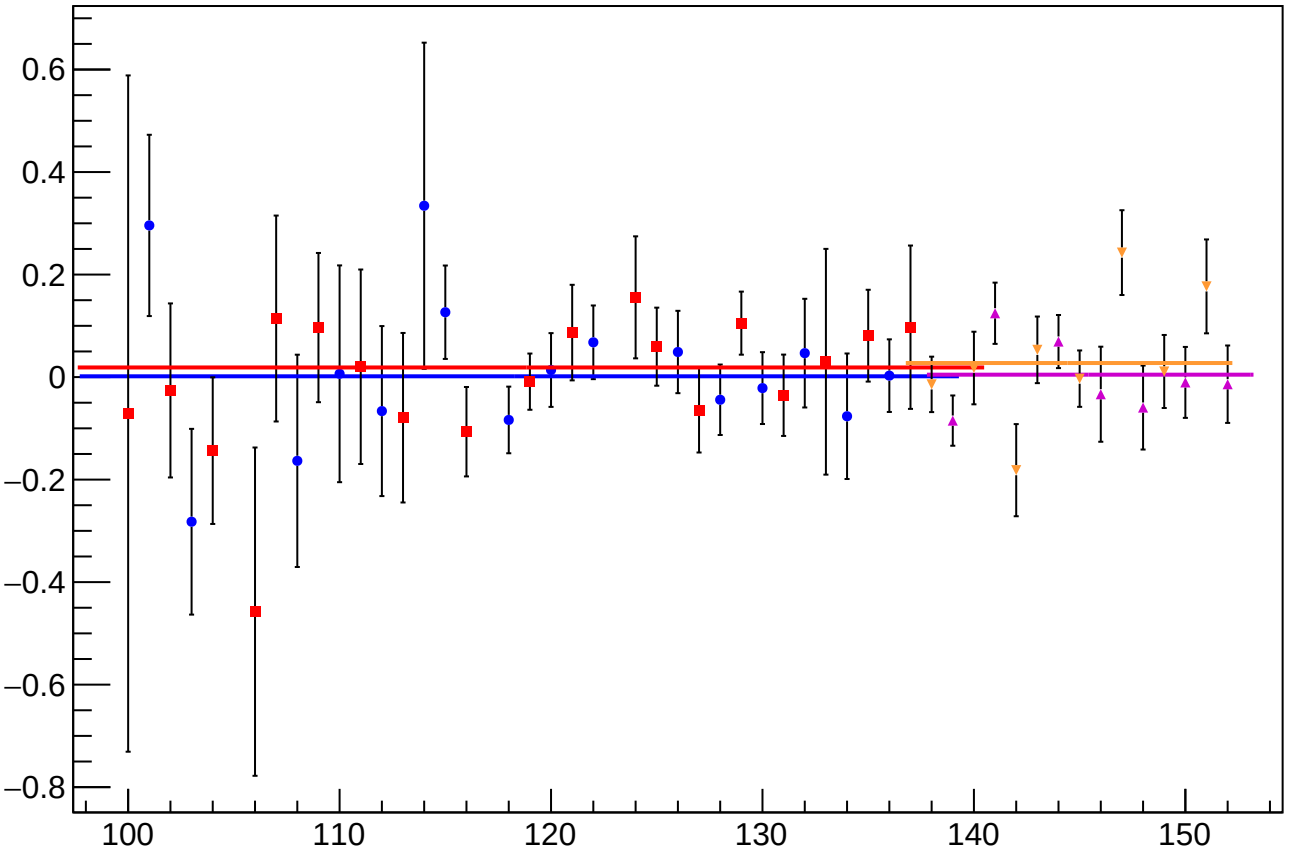
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.102+/-0.017 χ^2/NDF:457393.6/6

+ sign 57.106+/-0.012 χ^2/NDF: 2613428.8/23

All: 57.019+/-0.008 χ^2/NDF: 5624346.9/49

- sign 56.932+/-0.012 χ^2/NDF: 3010811.0/25



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.027+/-0.024 χ^2/NDF:16.0/7

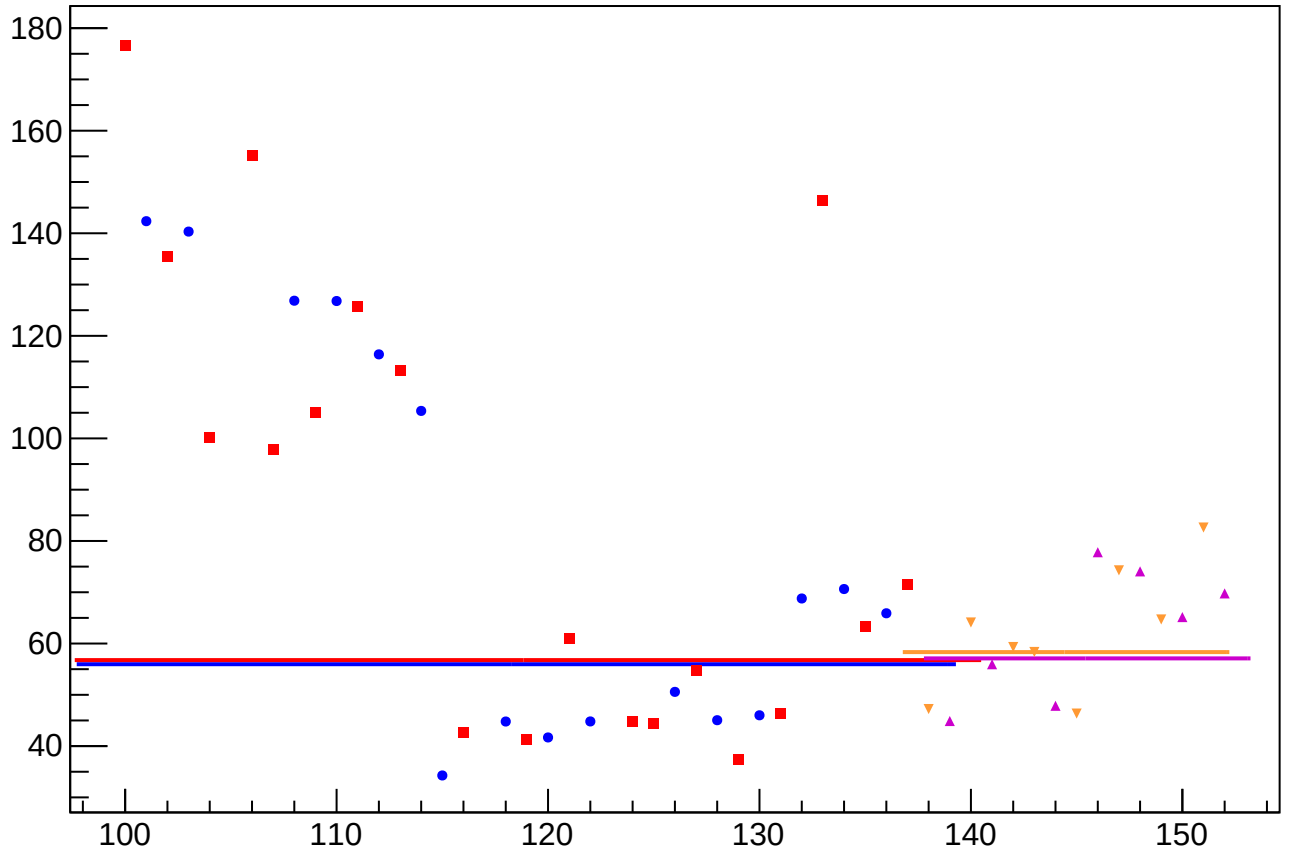
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.005+/-0.024 χ^2/NDF:9.8/6

+ sign 0.014+/-0.017 χ^2/NDF: 29.7/23

All: 0.013+/-0.012 χ^2/NDF: 52.7/49

- sign 0.012+/-0.017 χ^2/NDF: 23.1/25



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 58.331+/-0.017 χ^2/NDF:423792.6/7

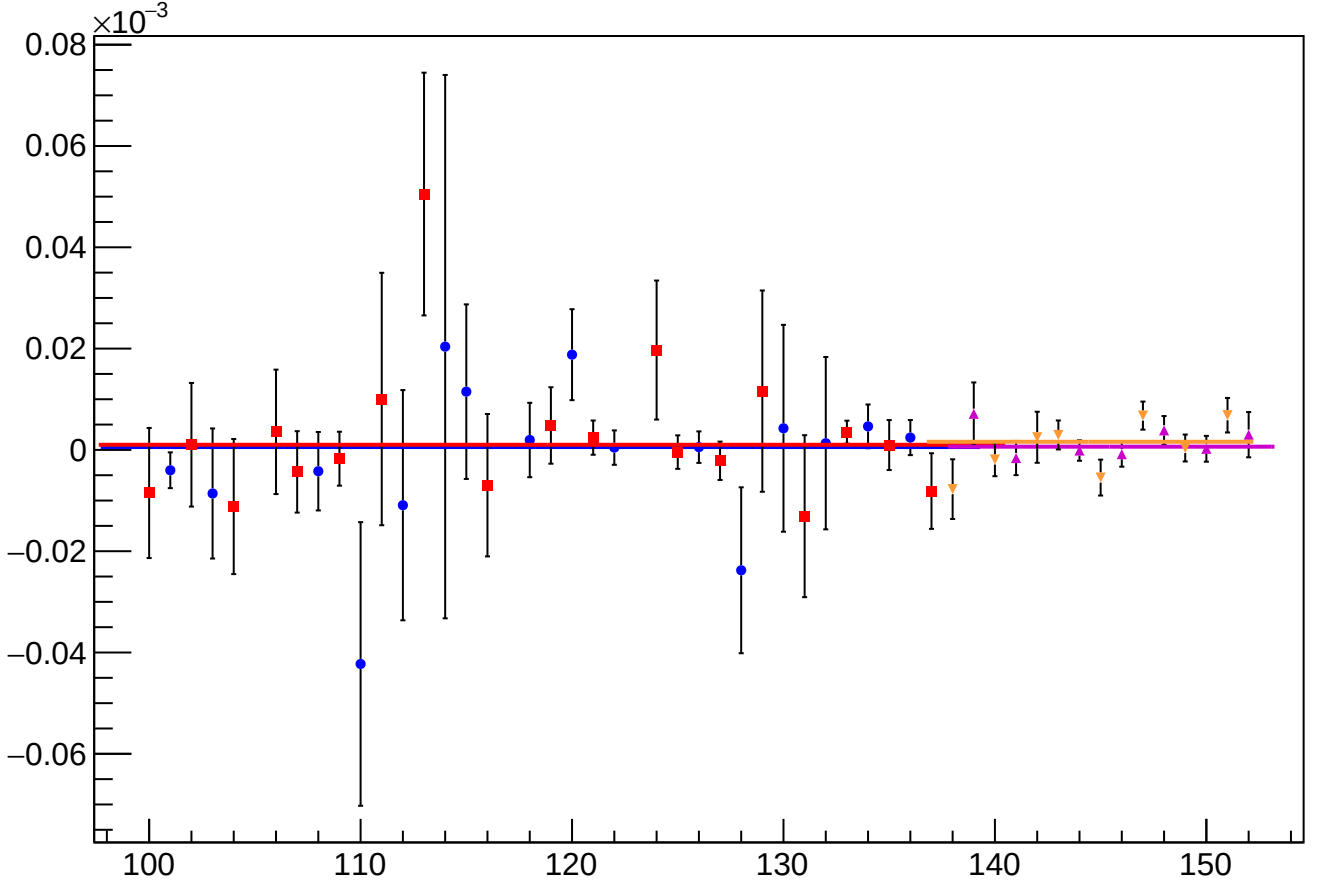
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.102+/-0.017 χ^2/NDF:457393.6/6

+ sign 57.106+/-0.012 χ^2/NDF: 2613428.8/23

All: 57.019+/-0.008 χ^2/NDF: 5624346.9/49

- sign 56.932+/-0.012 χ^2/NDF: 3010811.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/7

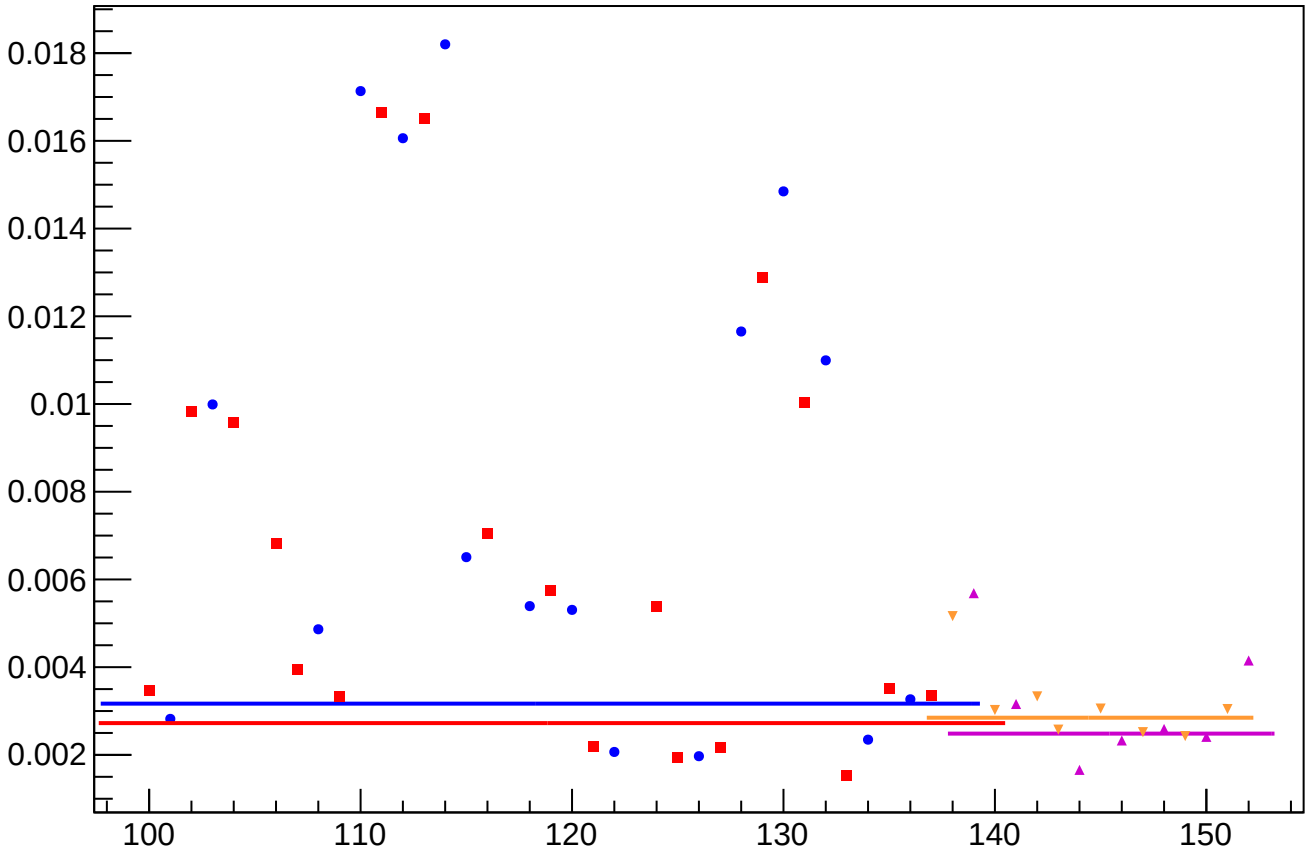
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 27.5/23

All: 0.000+/-0.000 χ^2/NDF: 45.1/49

- sign 0.000+/-0.000 χ^2/NDF: 17.5/25



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:443158.5/7

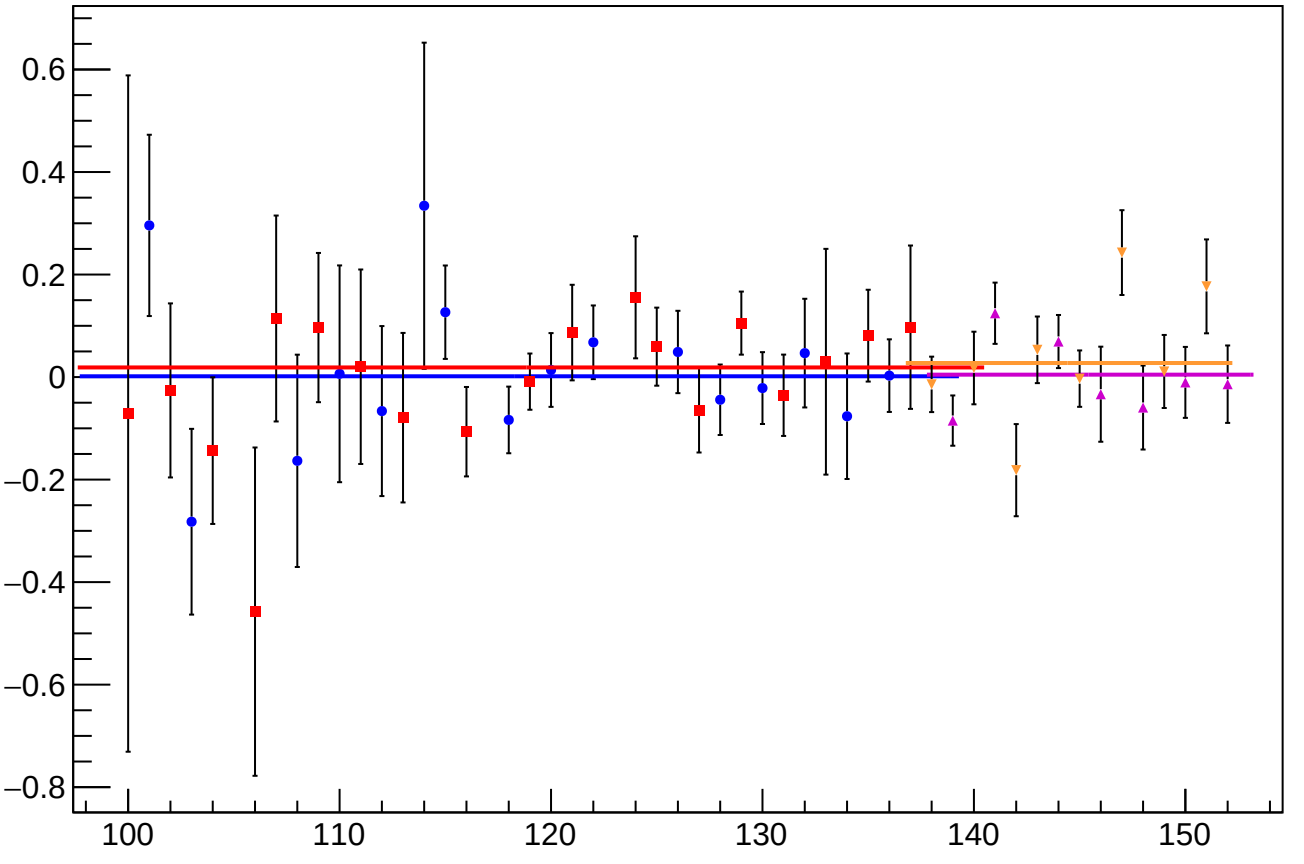
Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1243271.3/6

+ sign 0.003+/-0.000 χ^2/NDF: 5047835.0/23

All: 0.003+/-0.000 χ^2/NDF: 11686200.9/49

- sign 0.003+/-0.000 χ^2/NDF: 6437584.5/25



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.027+/-0.024 χ^2/NDF:16.0/7

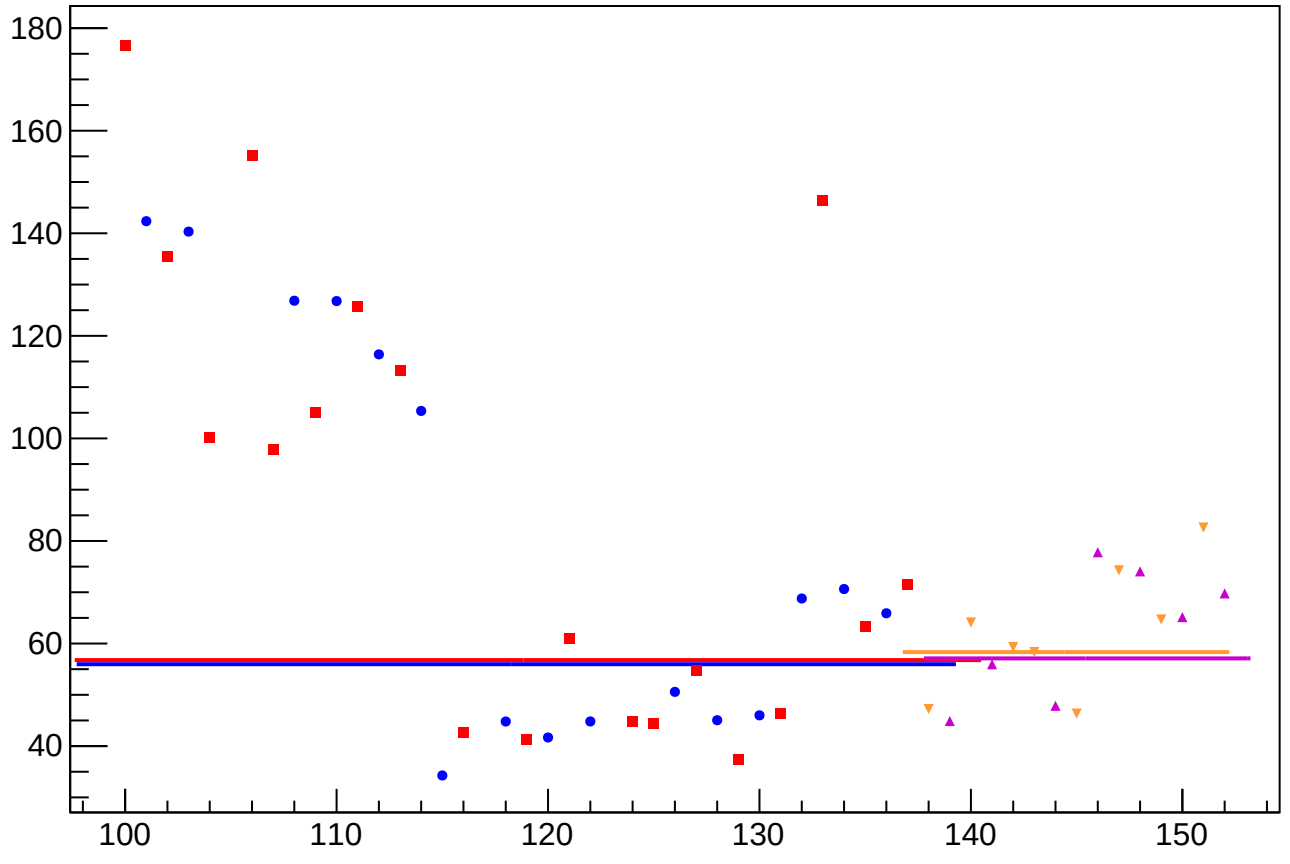
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.005+/-0.024 χ^2/NDF:9.8/6

+ sign 0.014+/-0.017 χ^2/NDF: 29.7/23

All: 0.013+/-0.012 χ^2/NDF: 52.7/49

- sign 0.012+/-0.017 χ^2/NDF: 23.1/25



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 58.332+/-0.017 χ^2/NDF:423790.8/7

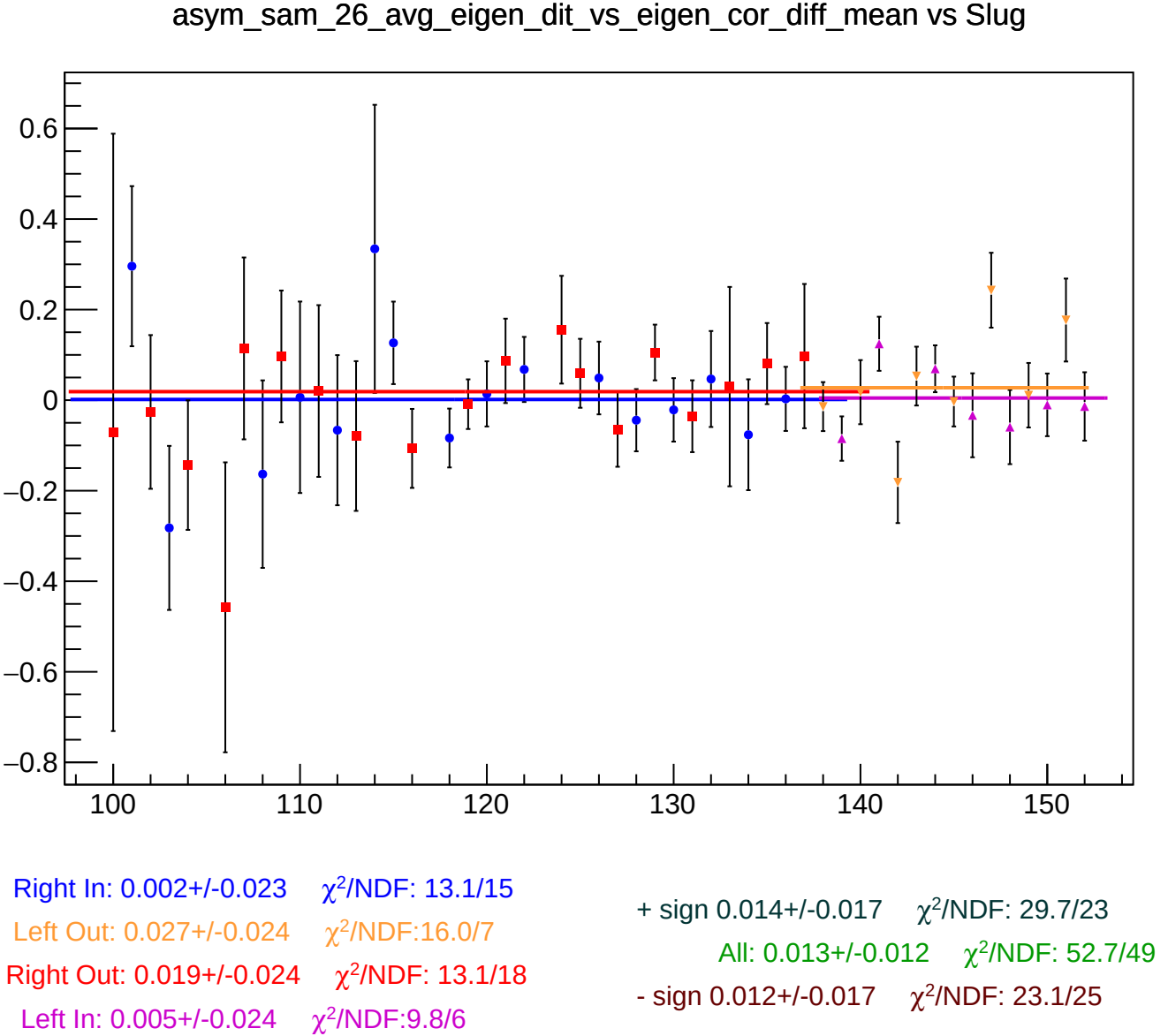
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

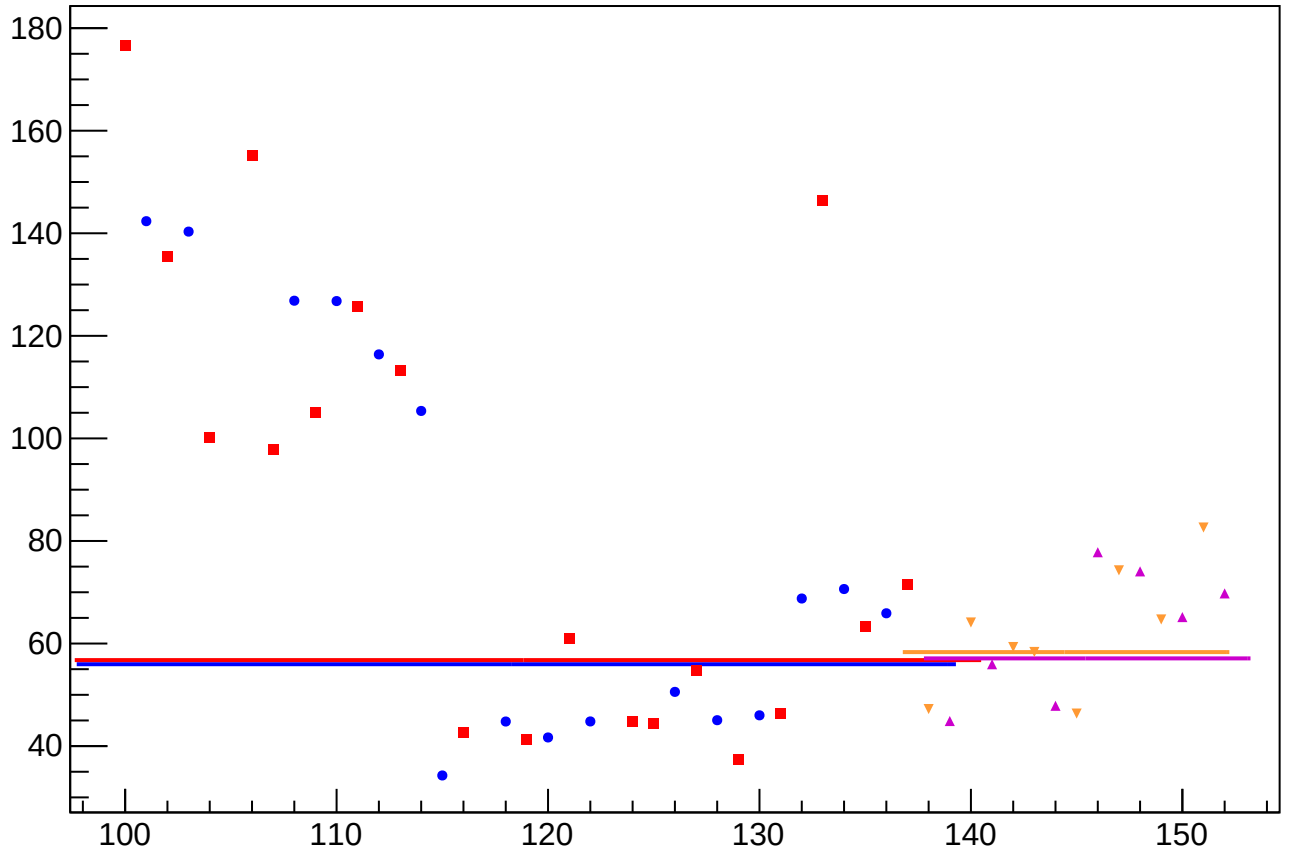
Left In: 57.103+/-0.017 χ^2/NDF:457387.0/6

+ sign 57.107+/-0.012 χ^2/NDF: 2613364.3/23

All: 57.019+/-0.008 χ^2/NDF: 5624222.3/49

- sign 56.932+/-0.012 χ^2/NDF: 3010750.7/25


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.027+/-0.024 χ²/NDF:16.0/7
Right Out: 0.019+/-0.024 χ²/NDF: 13.1/18
Left In: 0.005+/-0.024 χ²/NDF:9.8/6
+ sign 0.014+/-0.017 χ²/NDF: 29.7/23
All: 0.013+/-0.012 χ²/NDF: 52.7/49
- sign 0.012+/-0.017 χ²/NDF: 23.1/25



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 58.332+/-0.017 χ^2/NDF:423790.8/7

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

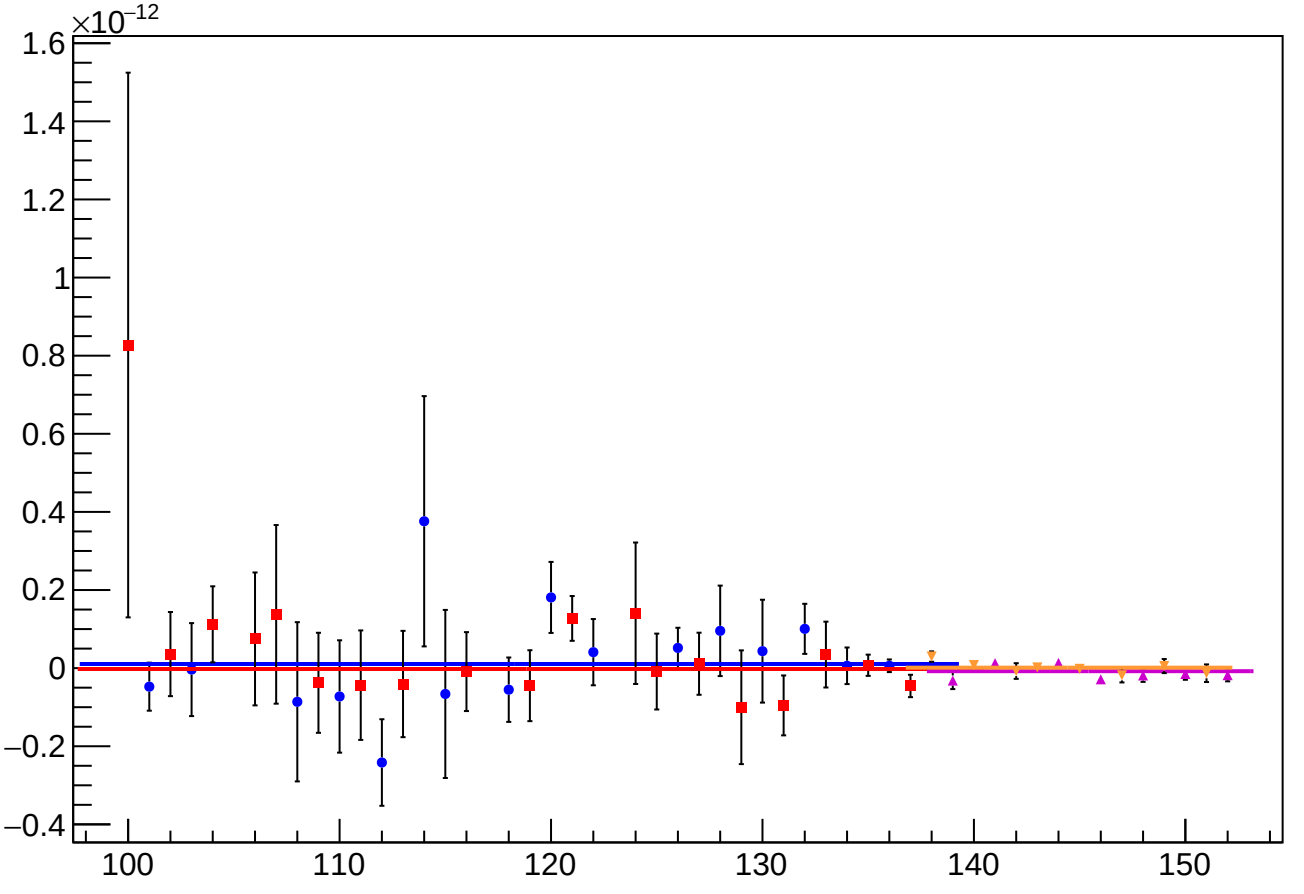
Left In: 57.103+/-0.017 χ^2/NDF:457387.0/6

+ sign 57.107+/-0.012 χ^2/NDF: 2613364.3/23

All: 57.019+/-0.008 χ^2/NDF: 5624222.3/49

- sign 56.932+/-0.012 χ^2/NDF: 3010750.7/25

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/7

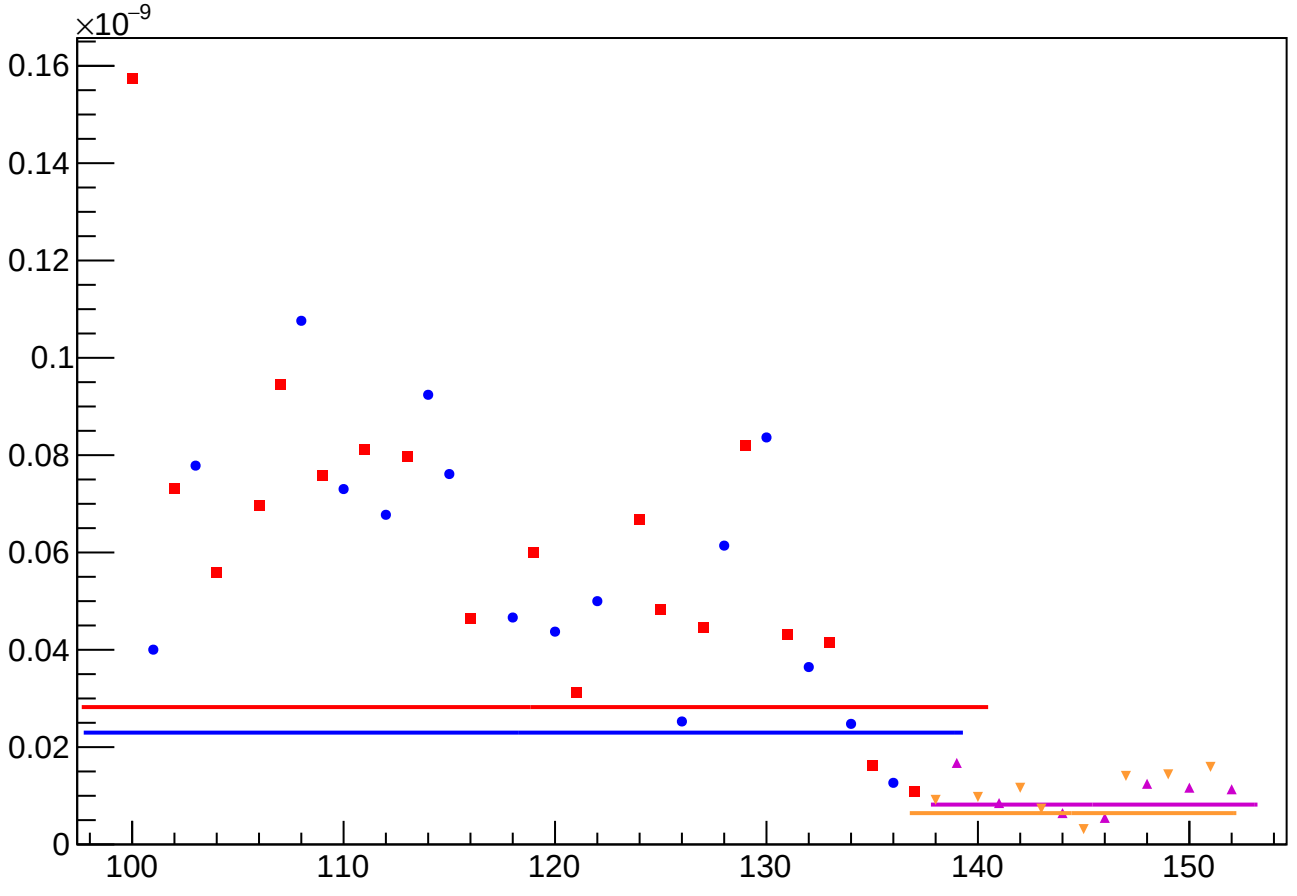
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/23

All: -0.000+/-0.000 χ^2/NDF: 58.7/49

- sign -0.000+/-0.000 χ^2/NDF: 32.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2325308.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

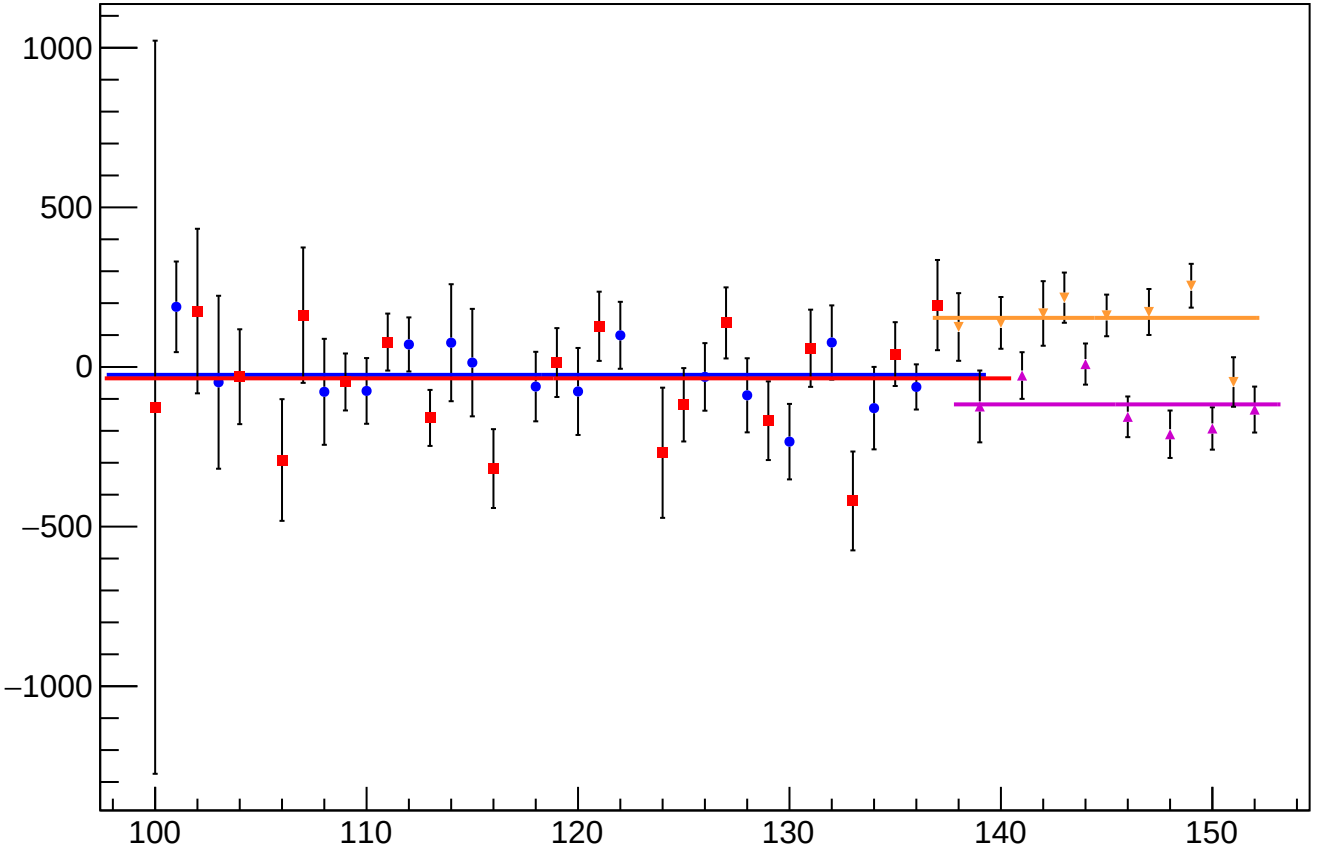
Left In: 0.000+/-0.000 χ^2/NDF:929131.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 9062520.6/23

All: 0.000+/-0.000 χ^2/NDF: 17154102.9/49

- sign 0.000+/-0.000 χ^2/NDF: 7837883.6/25

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 153.894+/-27.660 χ^2/NDF:9.7/7

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

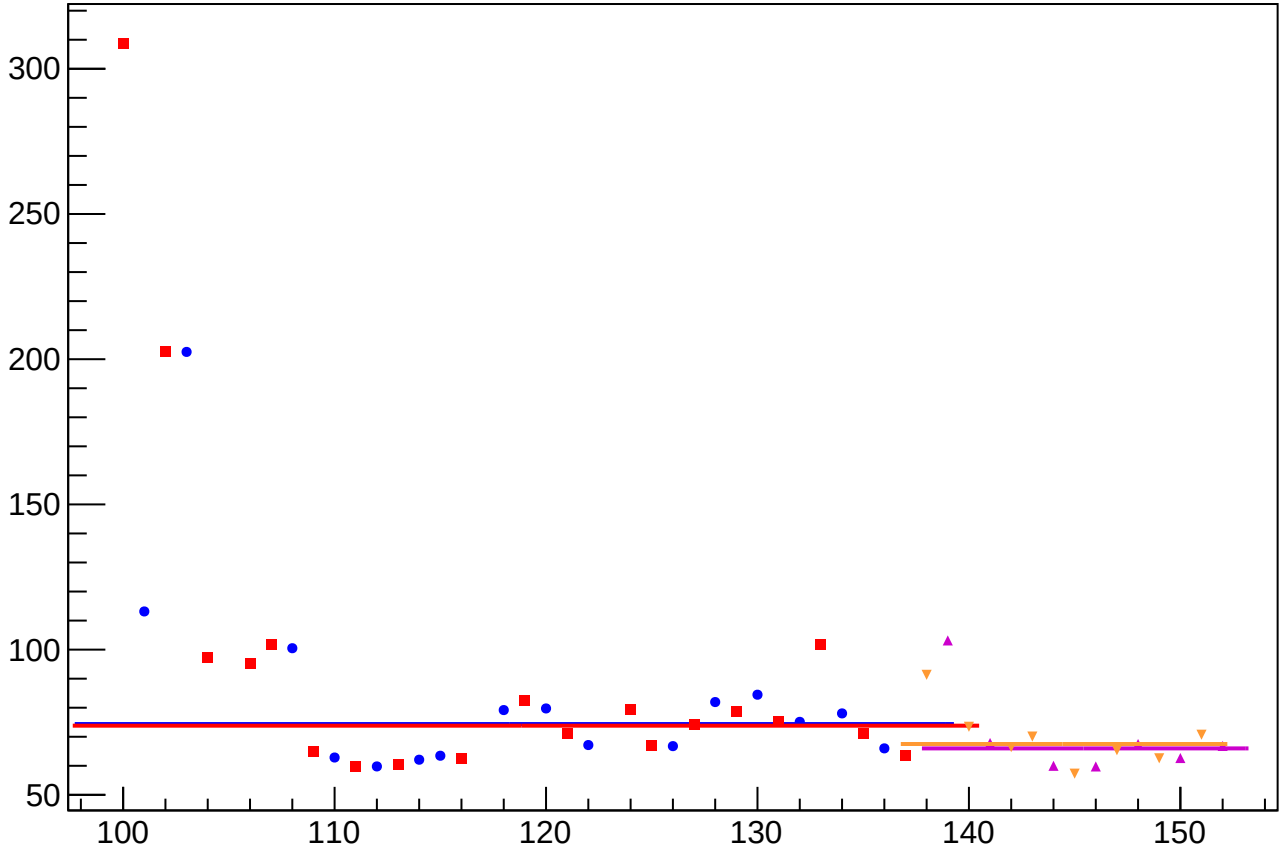
Left In: -117.128+/-27.173 χ^2/NDF:8.7/6

+ sign 68.581+/-19.987 χ^2/NDF: 40.6/23

All: -6.067+/-14.013 χ^2/NDF: 111.1/49

- sign -78.232+/-19.652 χ^2/NDF: 43.1/25

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 67.505+/-0.020 χ^2/NDF:178636.4/7

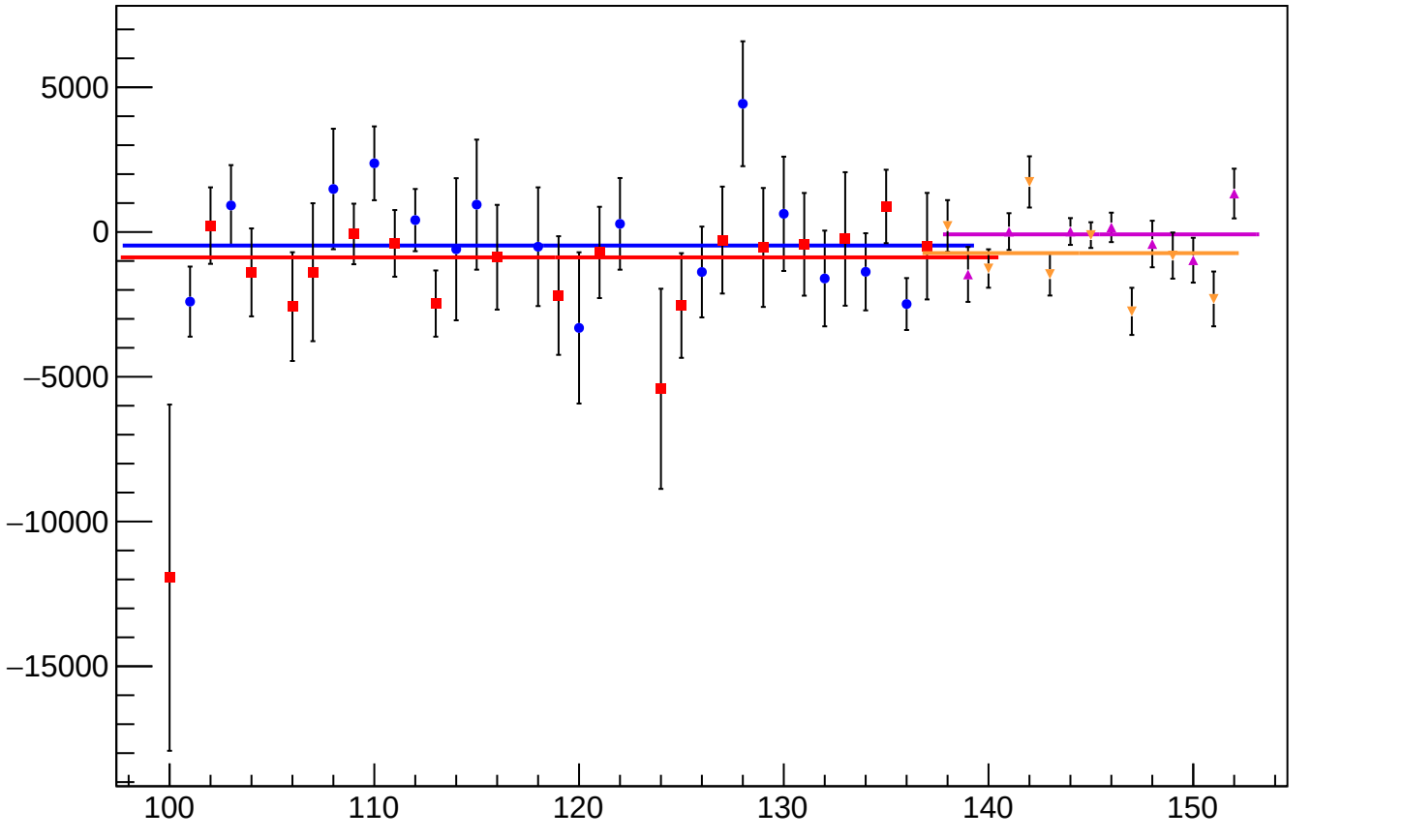
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.988+/-0.019 χ^2/NDF:261997.5/6

+ sign 70.785+/-0.014 χ^2/NDF: 1065072.8/23

All: 70.244+/-0.010 χ^2/NDF: 2341038.7/49

- sign 69.721+/-0.014 χ^2/NDF: 1273085.7/25



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -728.381+/-250.817 χ^2/NDF:21.3/7

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

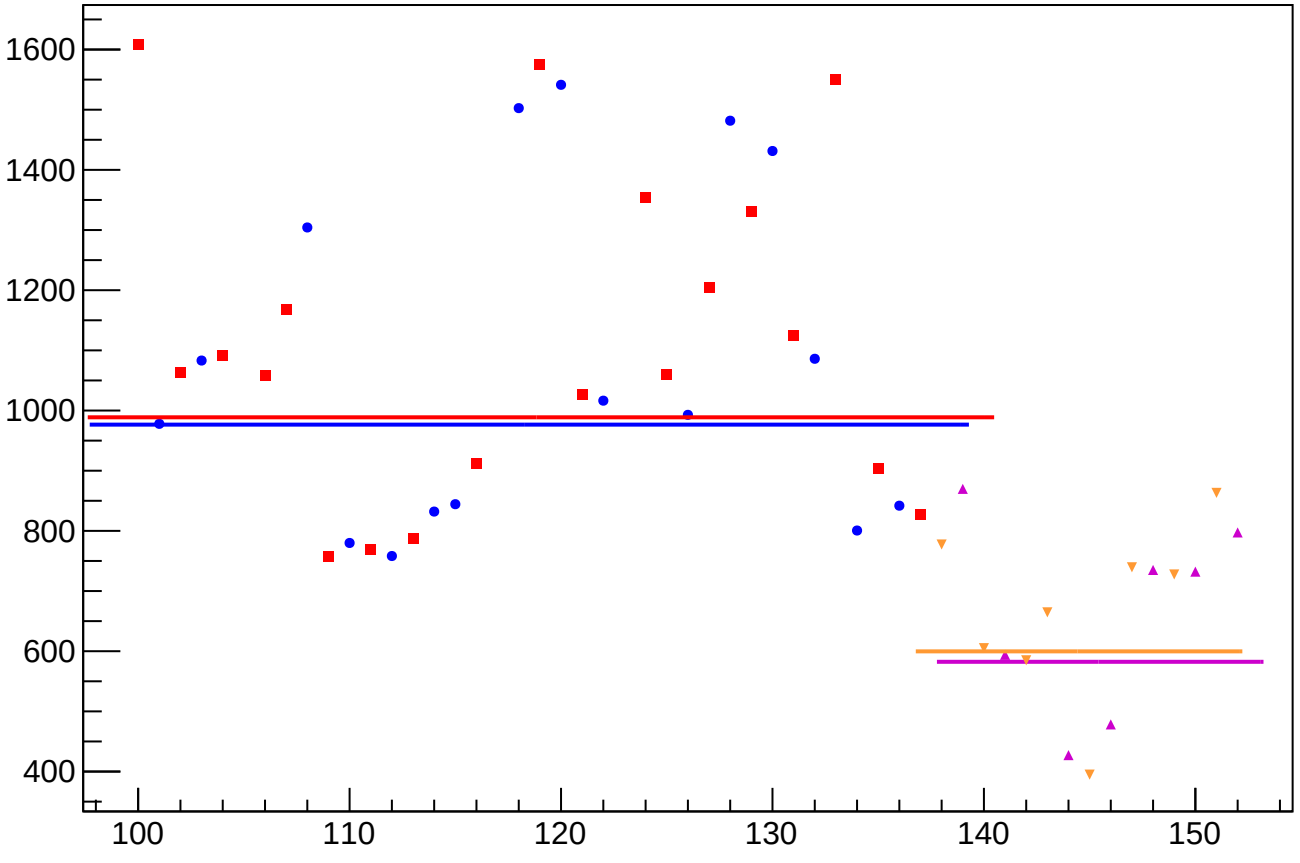
Left In: -80.591+/-244.729 χ^2/NDF:6.6/6

+ sign -647.454+/-208.488 χ^2/NDF: 45.3/23

All: -480.786+/-145.990 χ^2/NDF: 69.4/49

- sign -320.445+/-204.492 χ^2/NDF: 22.9/25

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 599.744+/-0.177 χ^2/NDF:785792.3/7

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

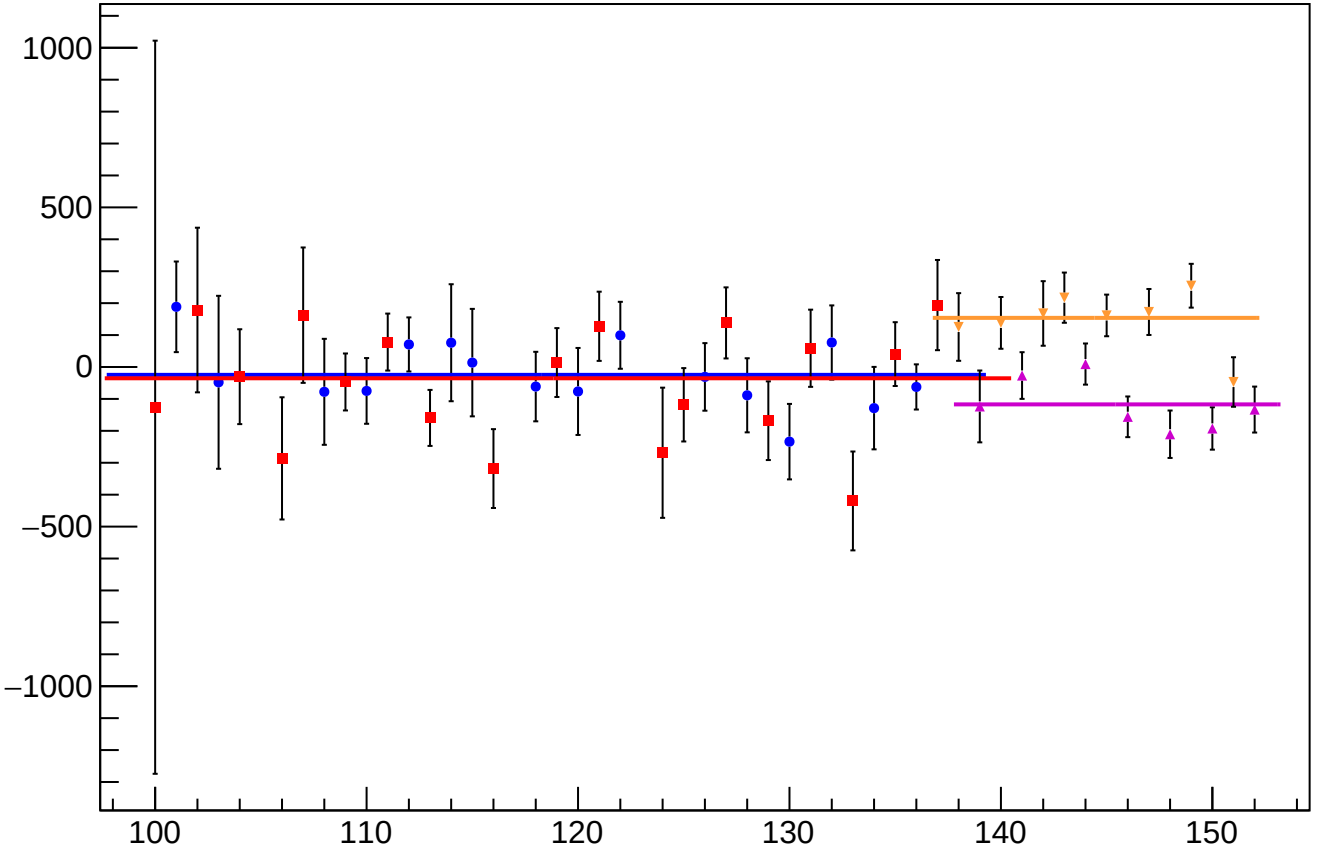
Left In: 582.400+/-0.173 χ^2/NDF:765286.6/6

\+ sign 716.206+/-0.147 χ^2/NDF: 2917656.0/23

All: 710.514+/-0.103 χ^2/NDF: 6065746.3/49

\- sign 705.038+/-0.145 χ^2/NDF: 3145165.3/25

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 153.898+/-27.660 χ^2/NDF:9.7/7

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

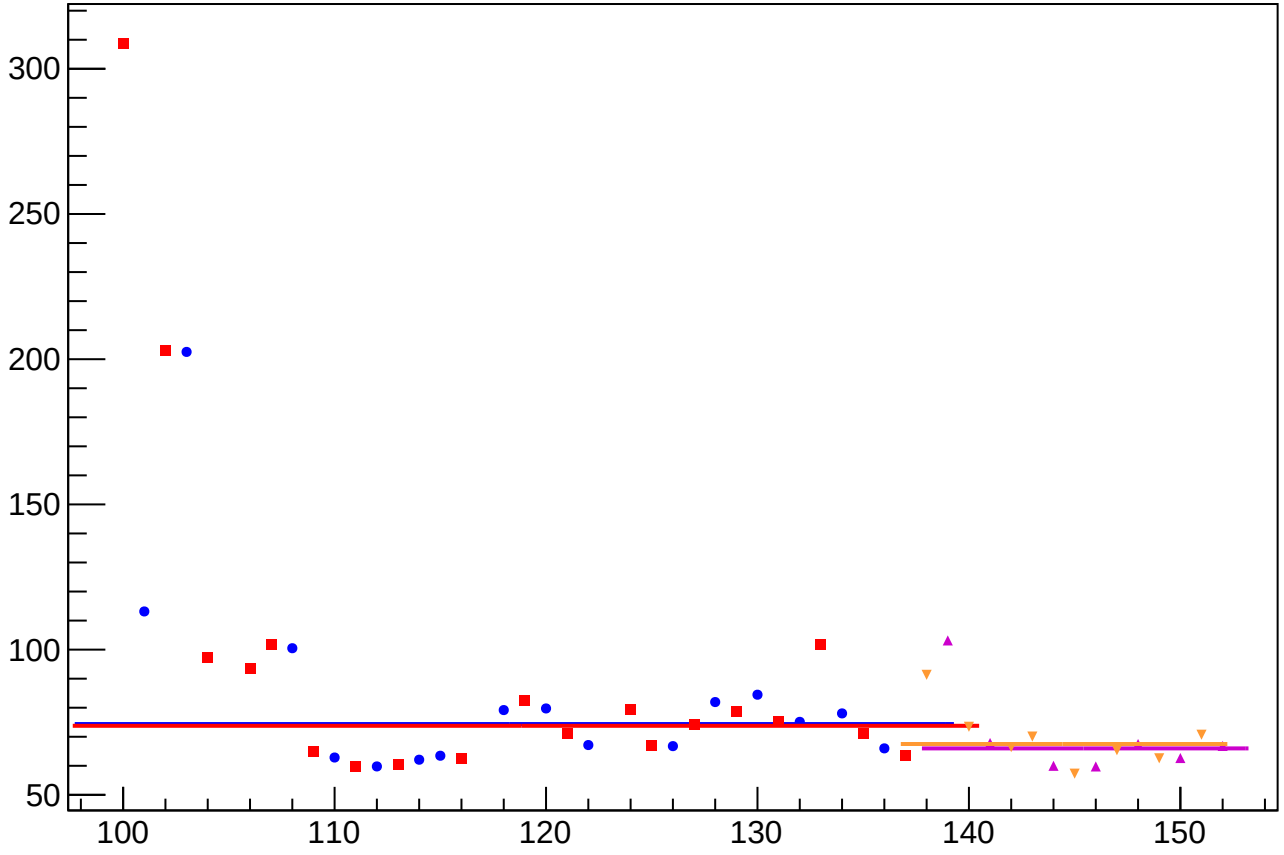
Left In: -117.130+/-27.173 χ^2/NDF:8.7/6

+ sign 68.579+/-19.987 χ^2/NDF: 40.6/23

All: -6.018+/-14.013 χ^2/NDF: 111.1/49

- sign -78.142+/-19.653 χ^2/NDF: 43.0/25

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.505+/-0.020 χ^2/NDF:178636.4/7

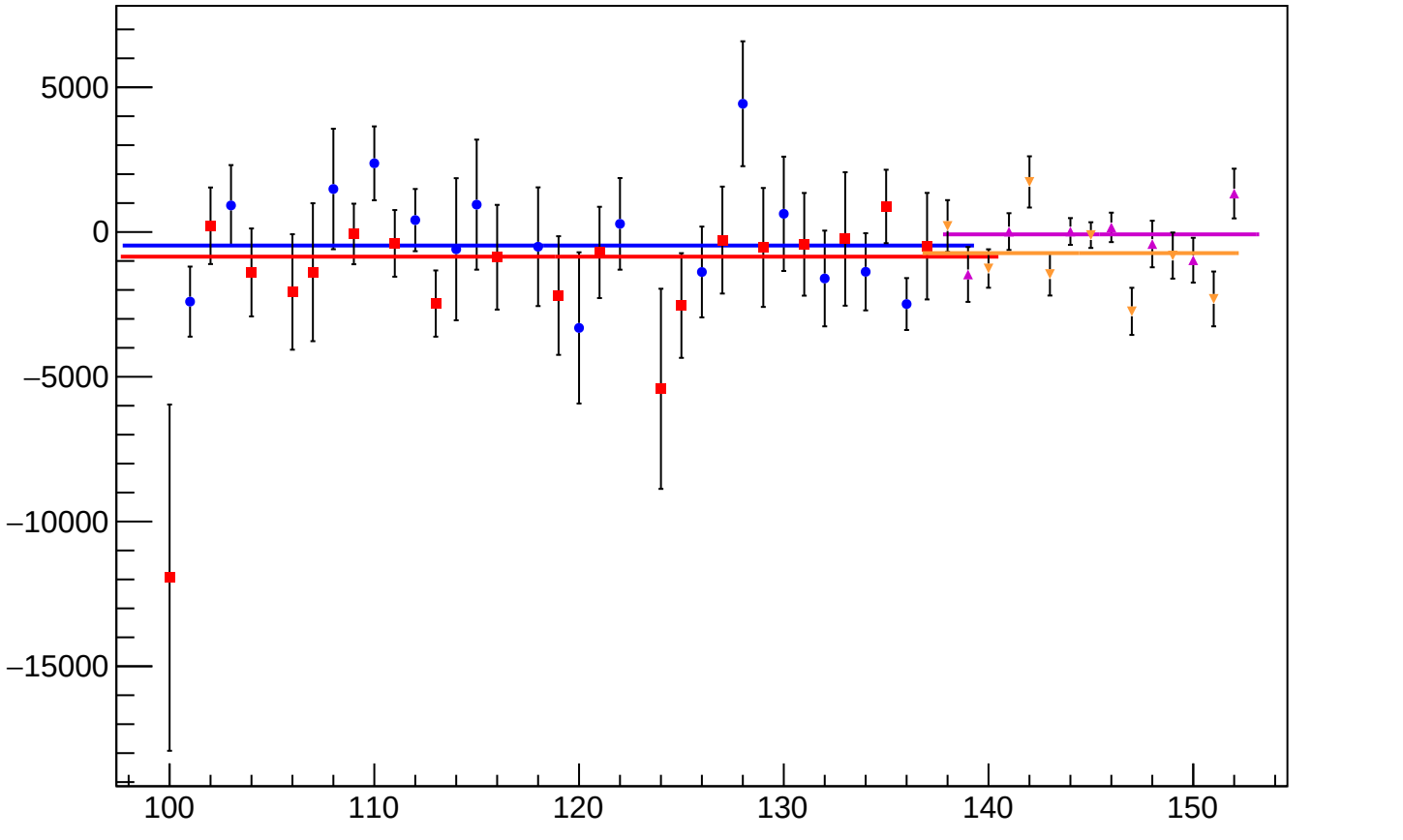
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.988+/-0.019 χ^2/NDF:261997.5/6

+ sign 70.785+/-0.014 χ^2/NDF: 1065074.8/23

All: 70.234+/-0.010 χ^2/NDF: 2336514.1/49

- sign 69.701+/-0.014 χ^2/NDF: 1268447.9/25



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -728.376+/-250.817 χ^2/NDF:21.3/7

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

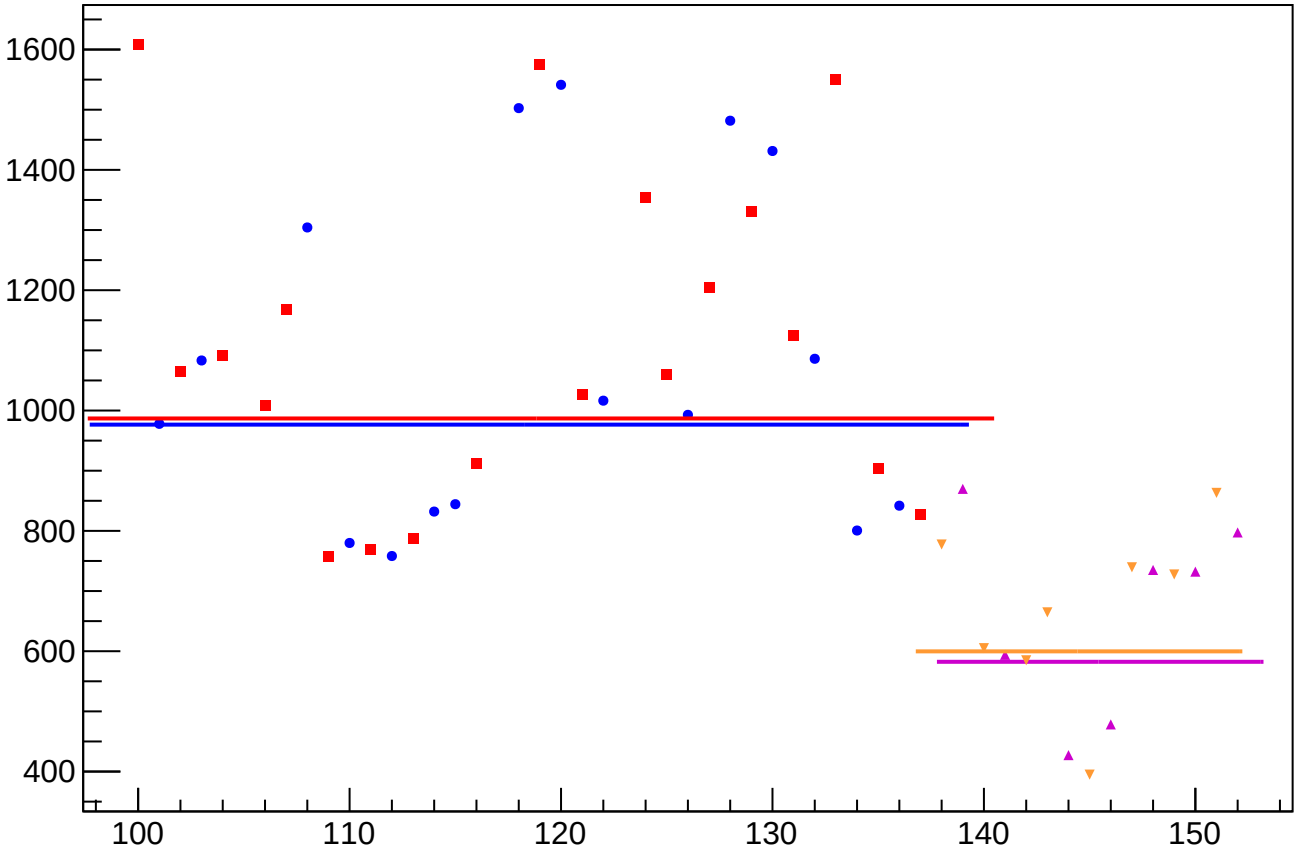
Left In: -80.595+/-244.729 χ^2/NDF:6.6/6

+ sign -647.447+/-208.488 χ^2/NDF: 45.3/23

All: -476.738+/-146.042 χ^2/NDF: 68.8/49

- sign -312.283+/-204.633 χ^2/NDF: 22.2/25

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 599.744+/-0.177 χ^2/NDF:785792.4/7

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

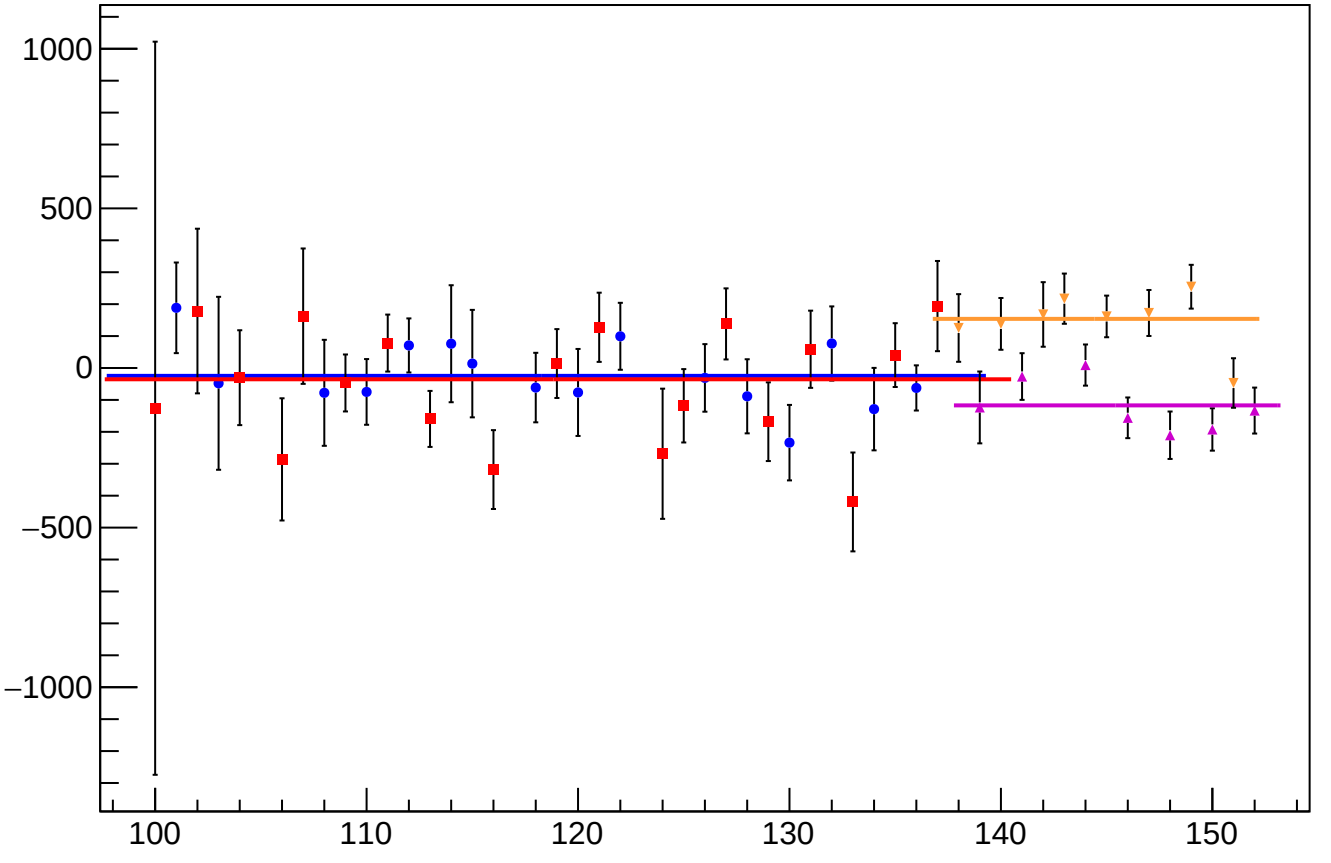
Left In: 582.400+/-0.173 χ^2/NDF:765288.9/6

+ sign 716.207+/-0.147 χ^2/NDF: 2917711.2/23

All: 710.021+/-0.103 χ^2/NDF: 6042831.0/49

- sign 704.063+/-0.145 χ^2/NDF: 3121663.6/25

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 153.898+/-27.660 χ^2/NDF:9.7/7

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

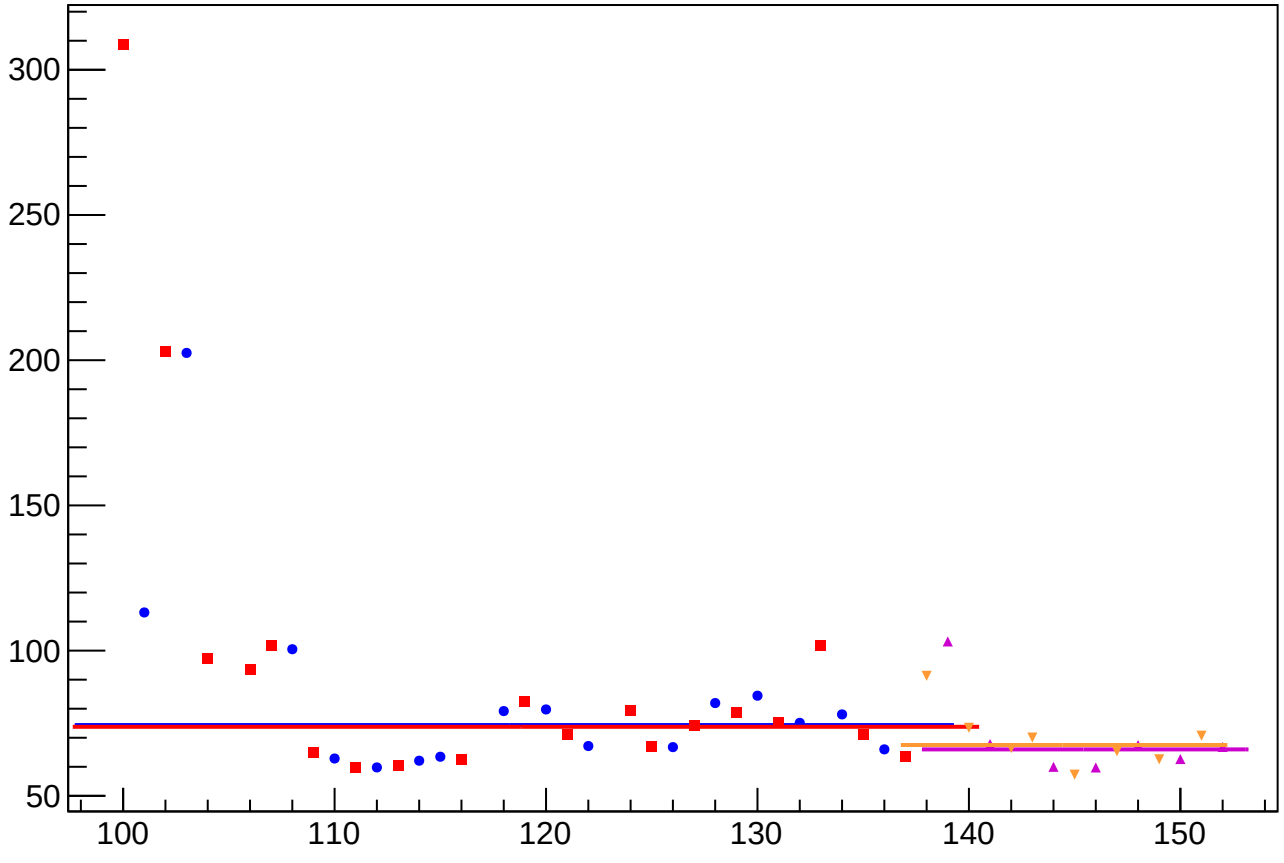
Left In: -117.130+/-27.173 χ^2/NDF:8.7/6

+ sign 68.579+/-19.987 χ^2/NDF: 40.6/23

All: -6.018+/-14.013 χ^2/NDF: 111.1/49

- sign -78.142+/-19.653 χ^2/NDF: 43.0/25

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.505+/-0.020 χ^2/NDF:178636.4/7

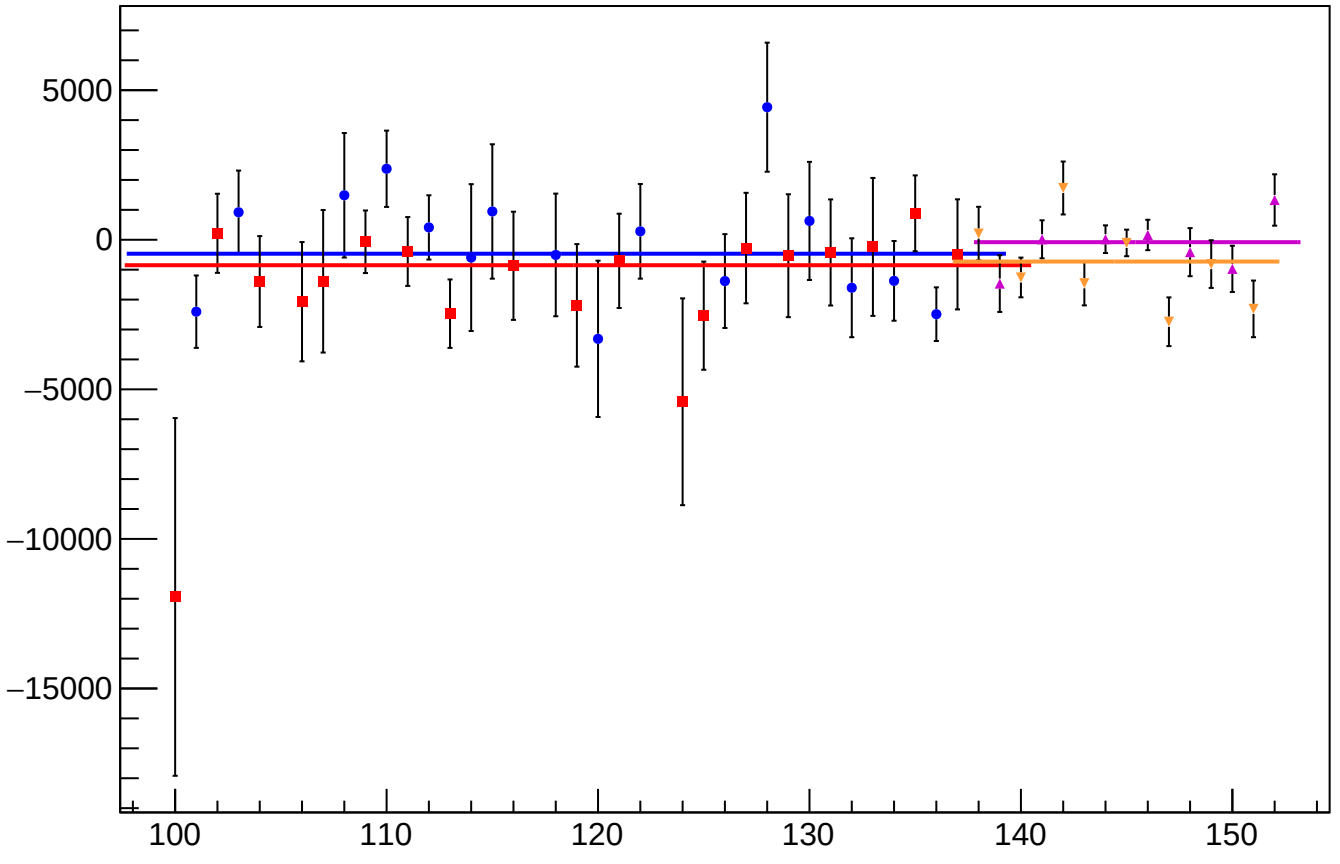
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.988+/-0.019 χ^2/NDF:261997.5/6

+ sign 70.785+/-0.014 χ^2/NDF: 1065074.8/23

All: 70.234+/-0.010 χ^2/NDF: 2336514.1/49

- sign 69.701+/-0.014 χ^2/NDF: 1268447.9/25



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -728.376+/-250.817 χ^2/NDF:21.3/7

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

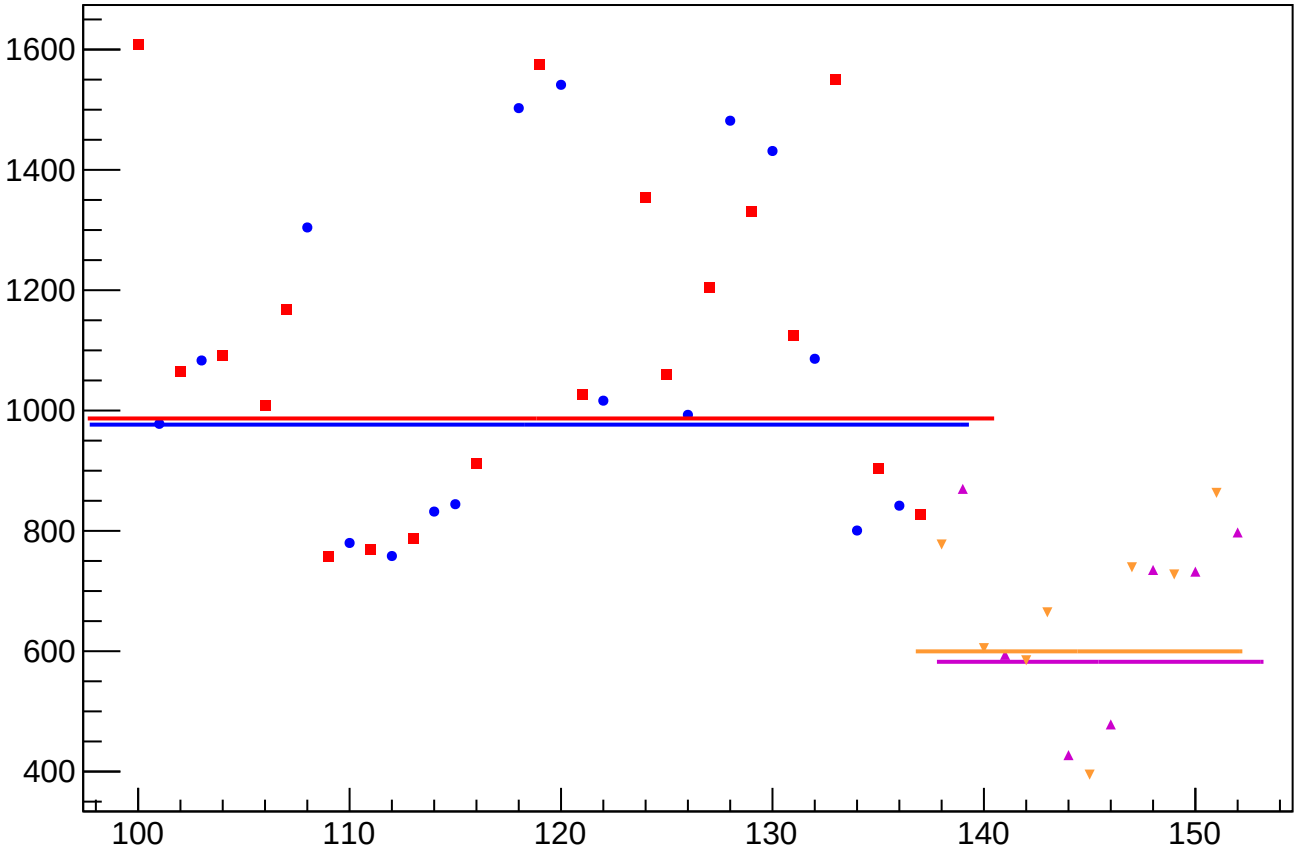
Left In: -80.595+/-244.729 χ^2/NDF:6.6/6

\+ sign -647.447+/-208.488 χ^2/NDF: 45.3/23

All: -476.738+/-146.042 χ^2/NDF: 68.8/49

\- sign -312.283+/-204.633 χ^2/NDF: 22.2/25

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 599.744+/-0.177 χ^2/NDF:785792.4/7

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

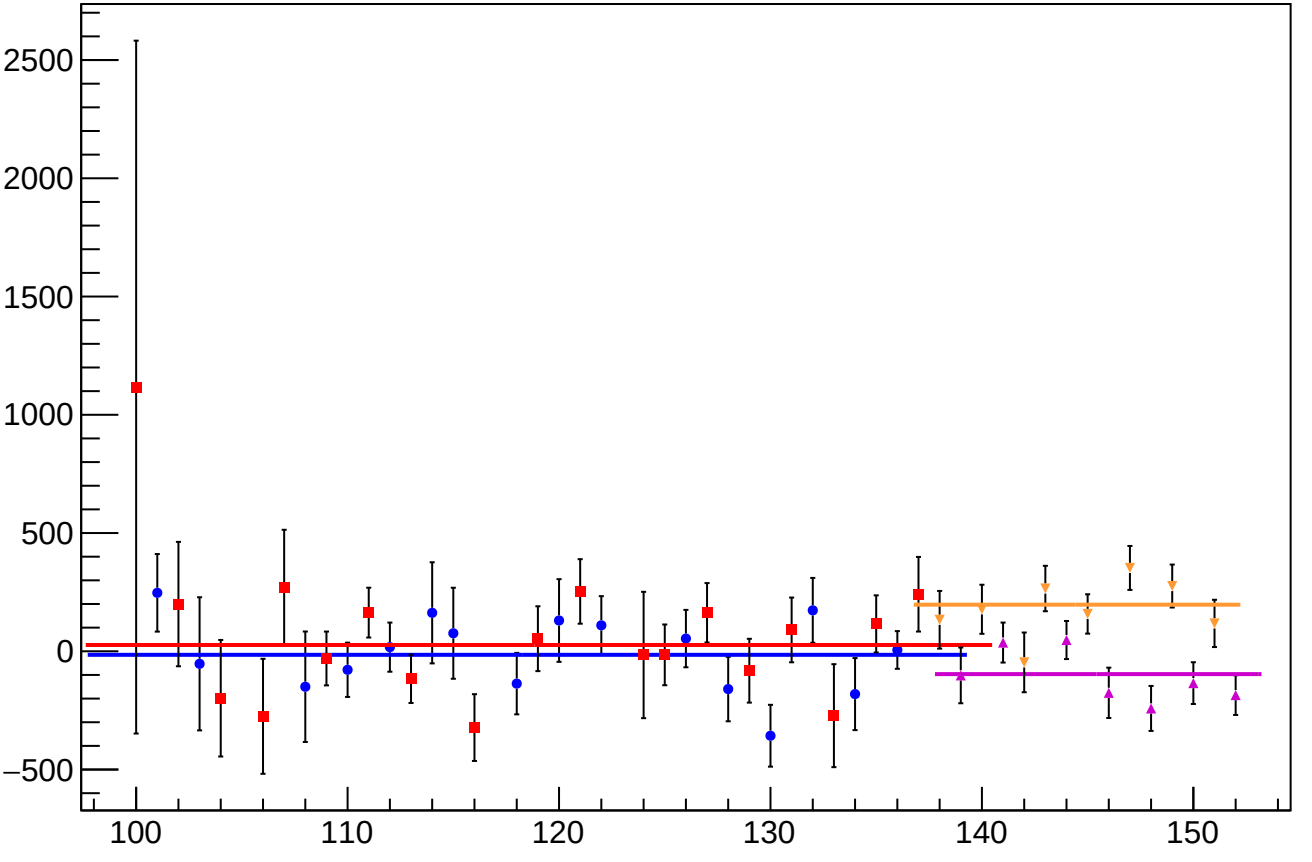
Left In: 582.400+/-0.173 χ^2/NDF:765288.9/6

+ sign 716.207+/-0.147 χ^2/NDF: 2917711.2/23

All: 710.021+/-0.103 χ^2/NDF: 6042831.0/49

- sign 704.063+/-0.145 χ^2/NDF: 3121663.6/25

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 197.035+/-35.069 χ^2/NDF:9.0/7

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

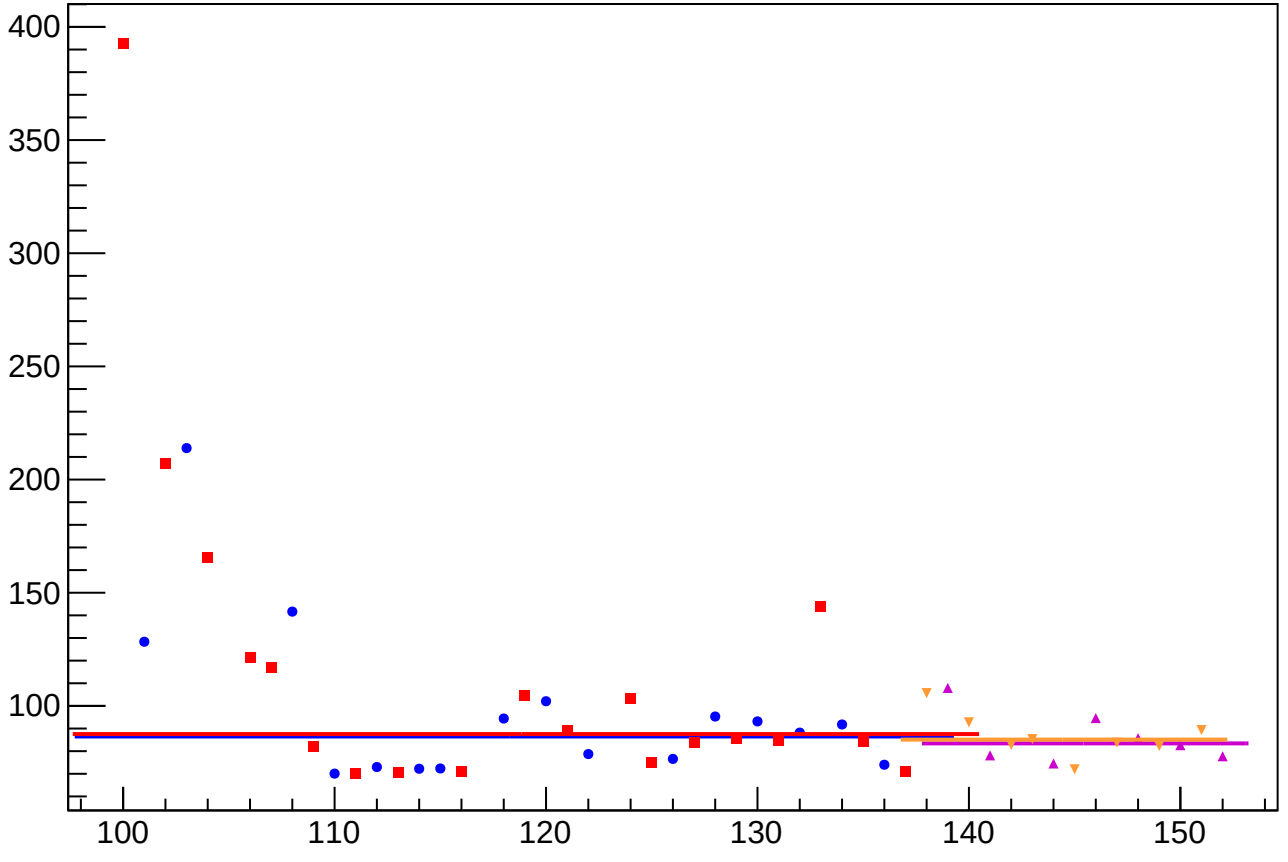
Left In: -96.507+/-34.610 χ^2/NDF:9.9/6

+ sign 87.015+/-24.322 χ^2/NDF: 46.2/23

All: 26.424+/-17.184 χ^2/NDF: 98.5/49

- sign -33.963+/-24.281 χ^2/NDF: 39.9/25

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 85.104+/-0.025 χ^2/NDF:123959.9/7

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

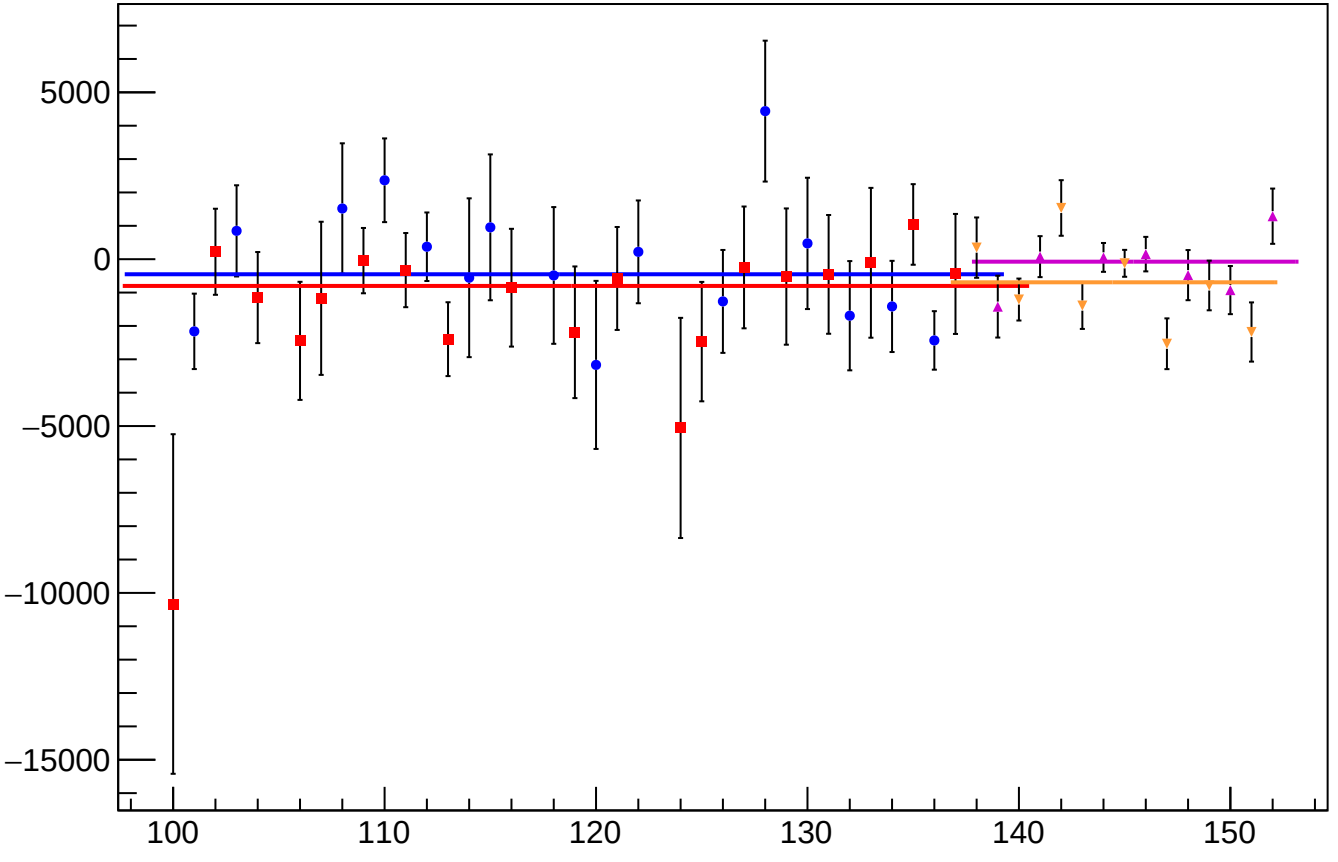
Left In: 83.432+/-0.024 χ^2/NDF:151062.3/6

+ sign 85.823+/-0.017 χ^2/NDF: 981837.9/23

All: 85.674+/-0.012 χ^2/NDF: 2277256.4/49

- sign 85.525+/-0.017 χ^2/NDF: 1295268.9/25

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -692.560+/-234.408 χ^2/NDF:20.8/7

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

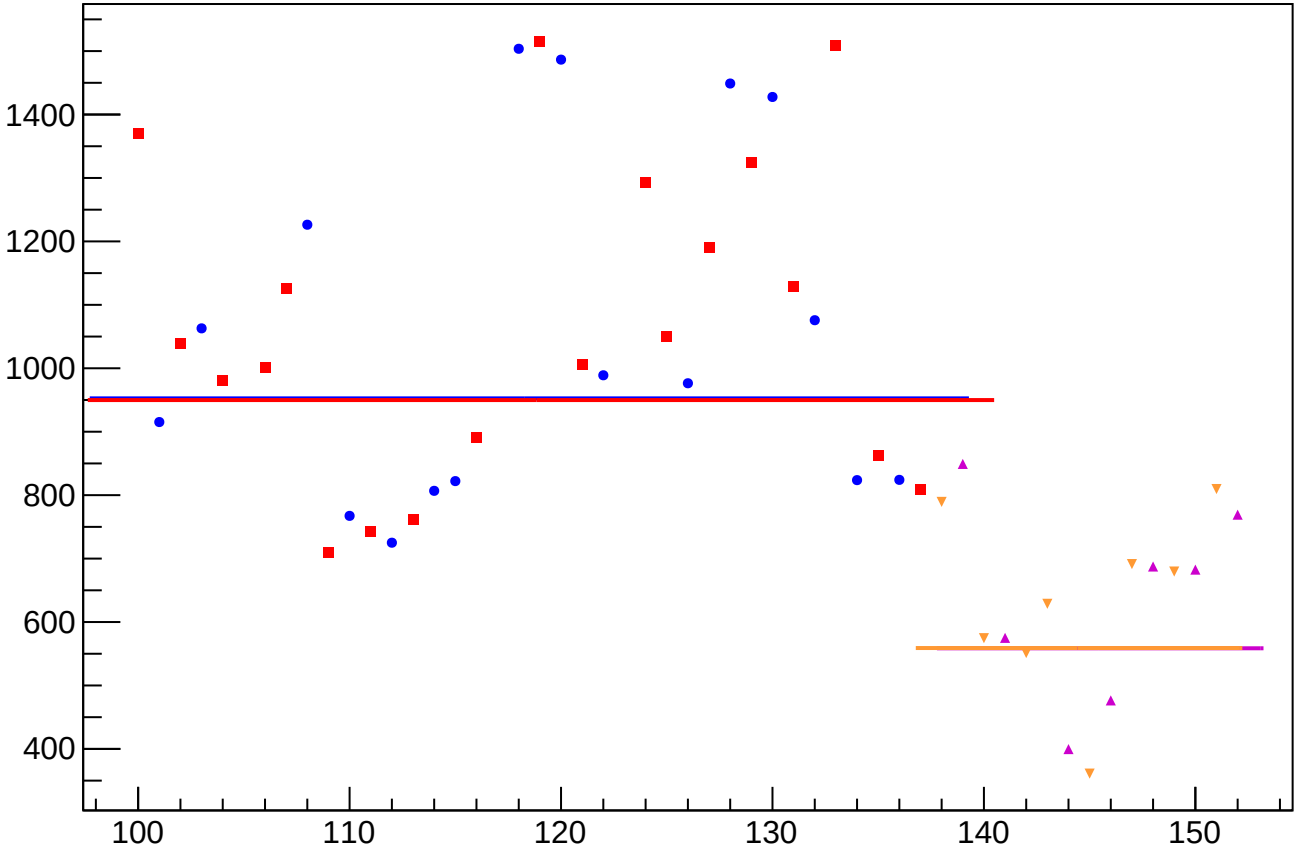
Left In: -74.531+/-235.359 χ^2/NDF:6.8/6

+ sign -622.300+/-197.332 χ^2/NDF: 44.9/23

All: -457.546+/-139.291 χ^2/NDF: 69.6/49

- sign -293.941+/-196.643 χ^2/NDF: 23.3/25

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 559.005+/-0.166 χ^2/NDF:905968.6/7

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

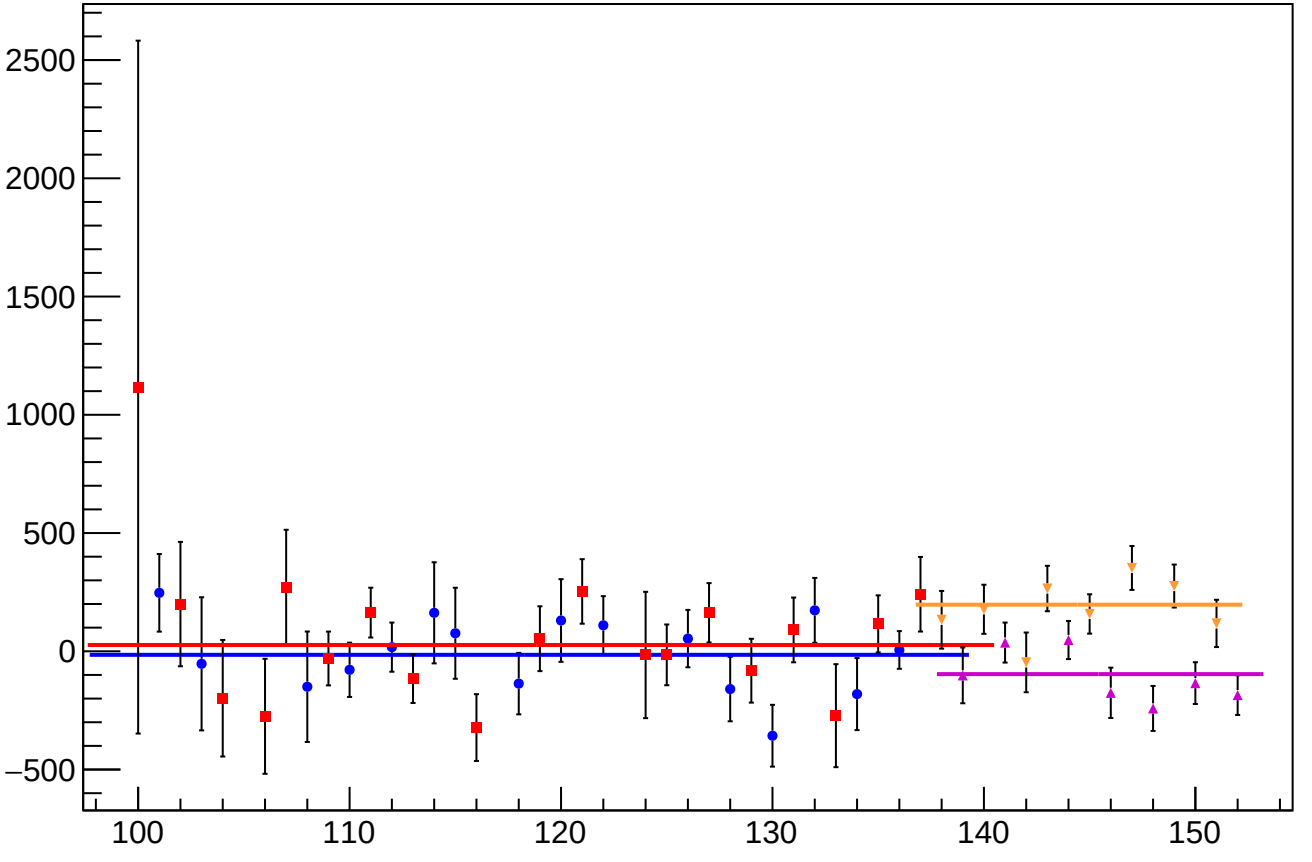
Left In: 558.611+/-0.166 χ^2/NDF:766009.9/6

+ sign 673.653+/-0.140 χ^2/NDF: 3294591.7/23

All: 675.208+/-0.098 χ^2/NDF: 6481538.7/49

- sign 676.753+/-0.139 χ^2/NDF: 3186699.3/25

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 197.035+/-35.069 χ^2/NDF:9.0/7

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

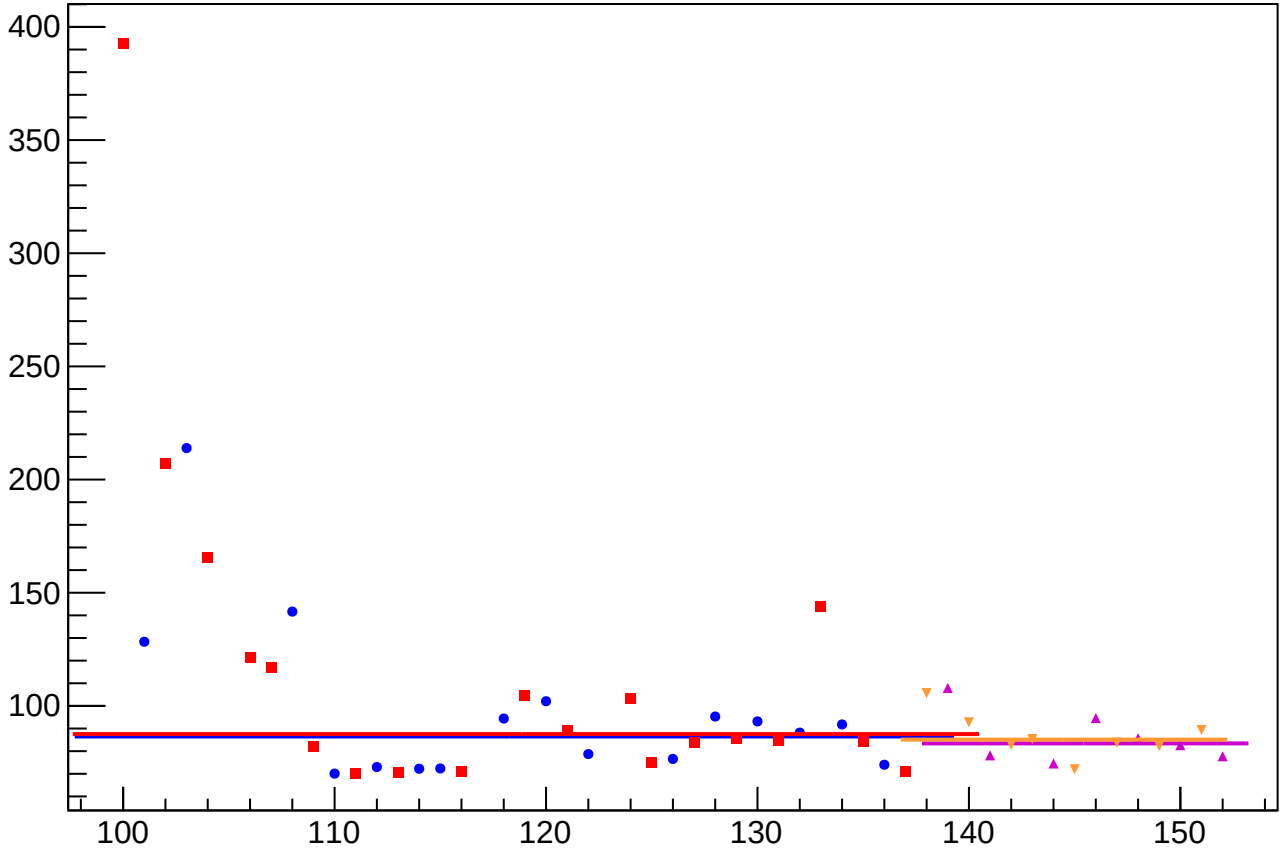
Left In: -96.508+/-34.610 χ^2/NDF:9.9/6

+ sign 87.014+/-24.322 χ^2/NDF: 46.2/23

All: 26.425+/-17.184 χ^2/NDF: 98.5/49

- sign -33.962+/-24.281 χ^2/NDF: 39.9/25

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 85.104+/-0.025 χ^2/NDF:123959.2/7

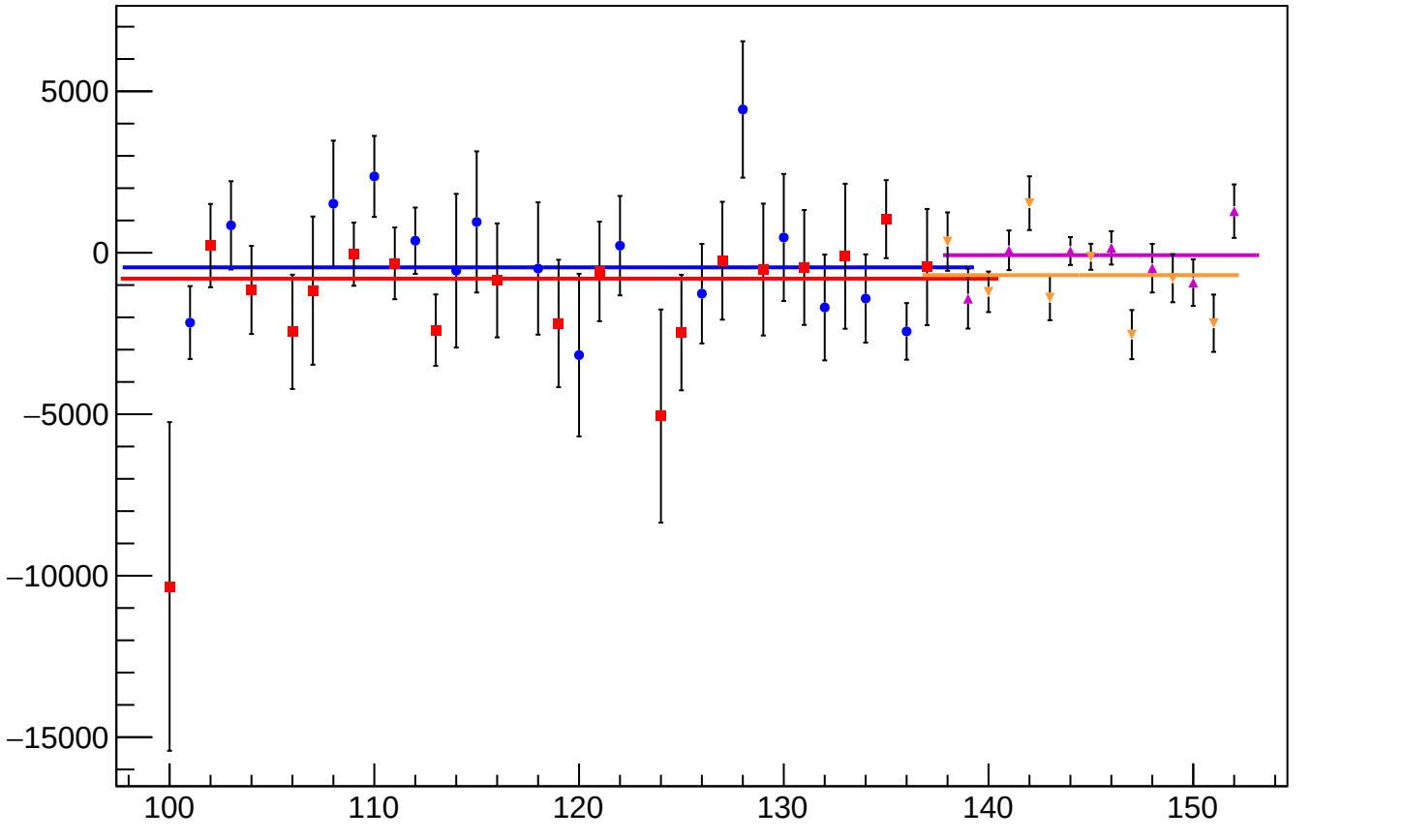
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 83.432+/-0.024 χ^2/NDF:151058.0/6

+ sign 85.823+/-0.017 χ^2/NDF: 981828.8/23

All: 85.674+/-0.012 χ^2/NDF: 2277241.3/49

- sign 85.526+/-0.017 χ^2/NDF: 1295263.0/25



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -692.562+/-234.407 χ^2/NDF:20.8/7

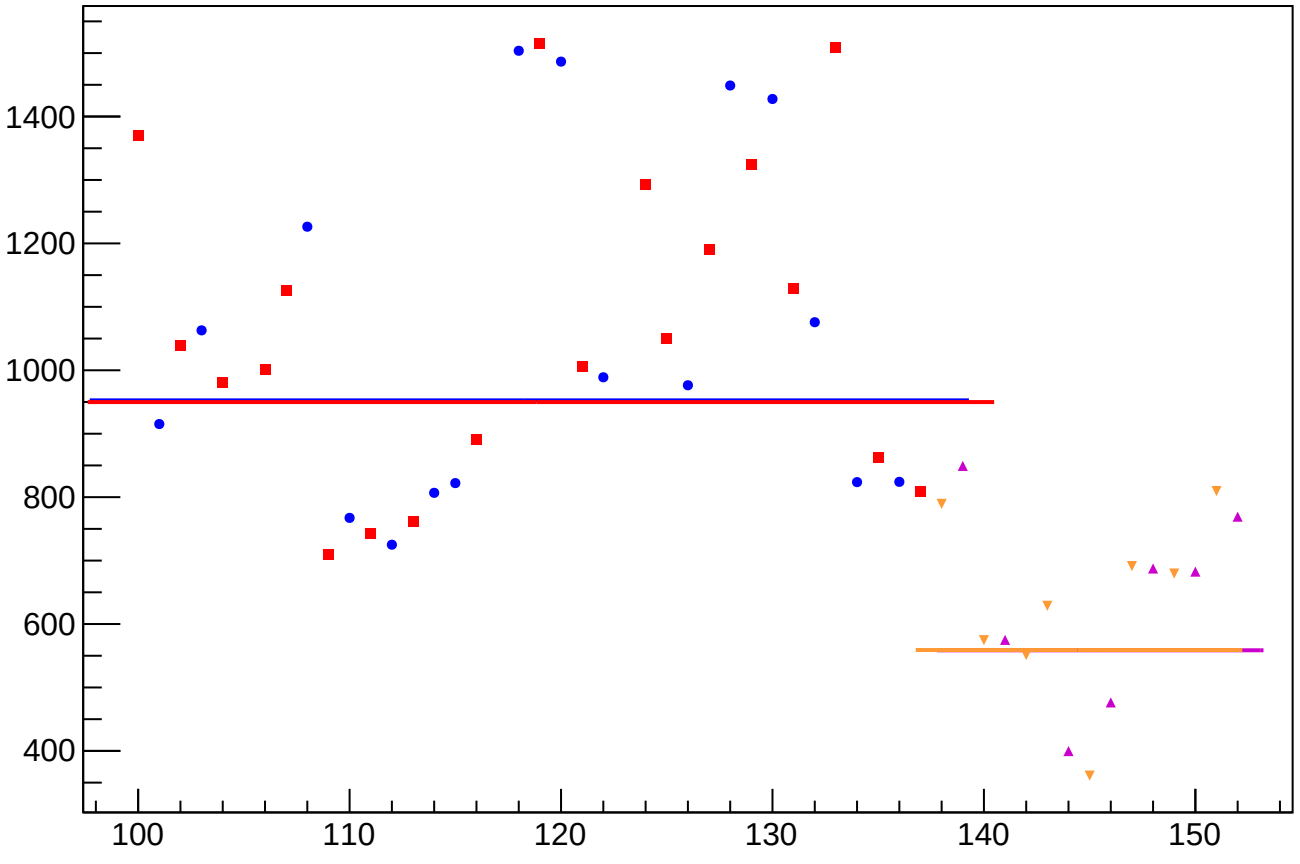
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -74.530+/-235.359 χ^2/NDF:6.8/6

\+ sign -622.300+/-197.332 χ^2/NDF: 44.9/23

All: -457.546+/-139.290 χ^2/NDF: 69.6/49

\- sign -293.941+/-196.643 χ^2/NDF: 23.3/25



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 559.004+/-0.166 χ^2/NDF:905971.2/7

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

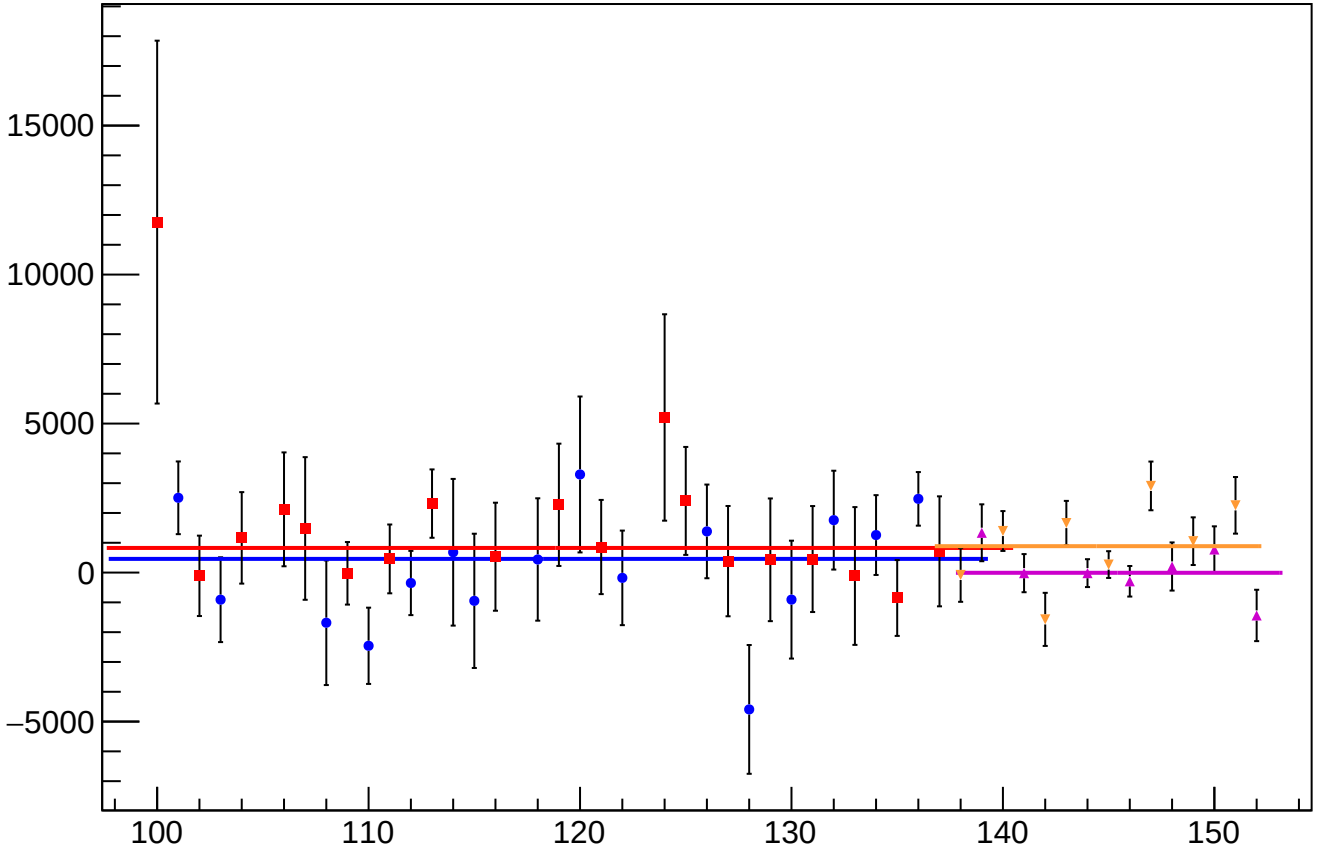
Left In: 558.611+/-0.166 χ^2/NDF:766011.0/6

\+ sign 673.652+/-0.140 χ^2/NDF: 3294592.5/23

All: 675.208+/-0.098 χ^2/NDF: 6481533.9/49

\- sign 676.753+/-0.139 χ^2/NDF: 3186693.6/25

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 885.794+/-252.682 χ^2/NDF:20.6/7

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

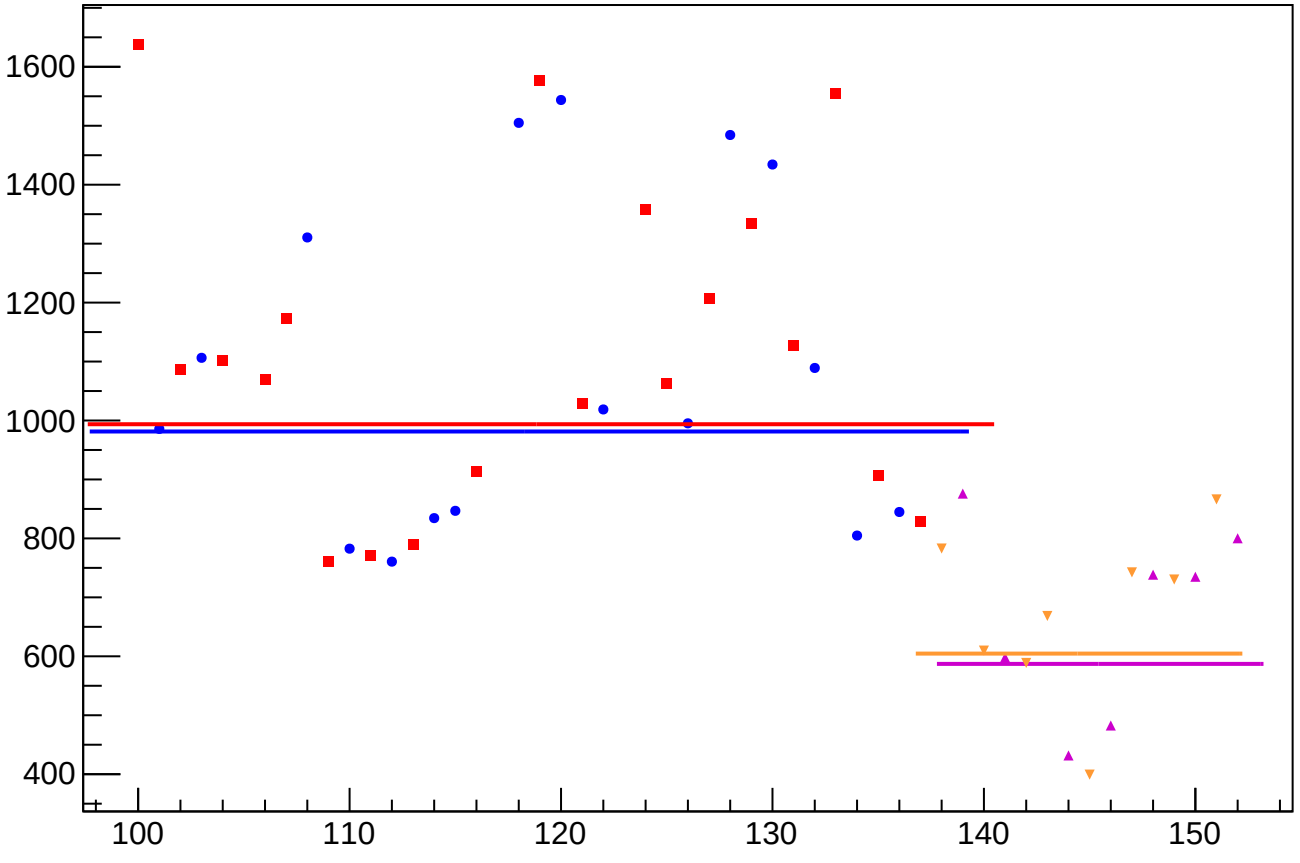
Left In: -7.375+/-246.559 χ^2/NDF:6.1/6

+ sign 753.479+/-209.875 χ^2/NDF: 46.0/23

All: 494.382+/-146.976 χ^2/NDF: 70.3/49

- sign 245.025+/-205.892 χ^2/NDF: 21.3/25

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 604.595+/-0.179 χ^2/NDF:769650.8/7

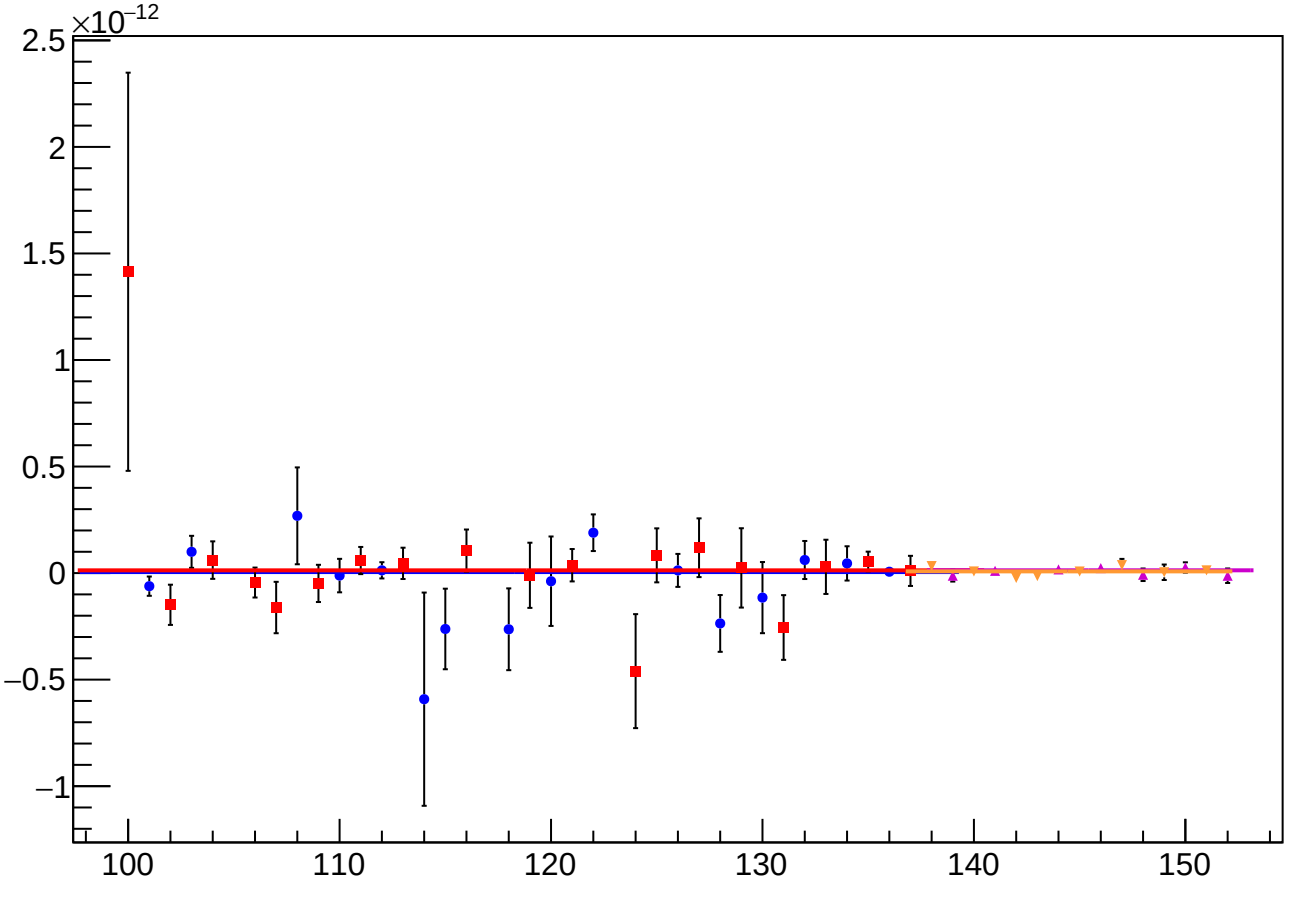
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 587.117+/-0.174 χ^2/NDF:752235.6/6

+ sign 721.434+/-0.148 χ^2/NDF: 2886162.4/23

All: 715.696+/-0.104 χ^2/NDF: 6007109.1/49

- sign 710.173+/-0.146 χ^2/NDF: 3118012.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/7

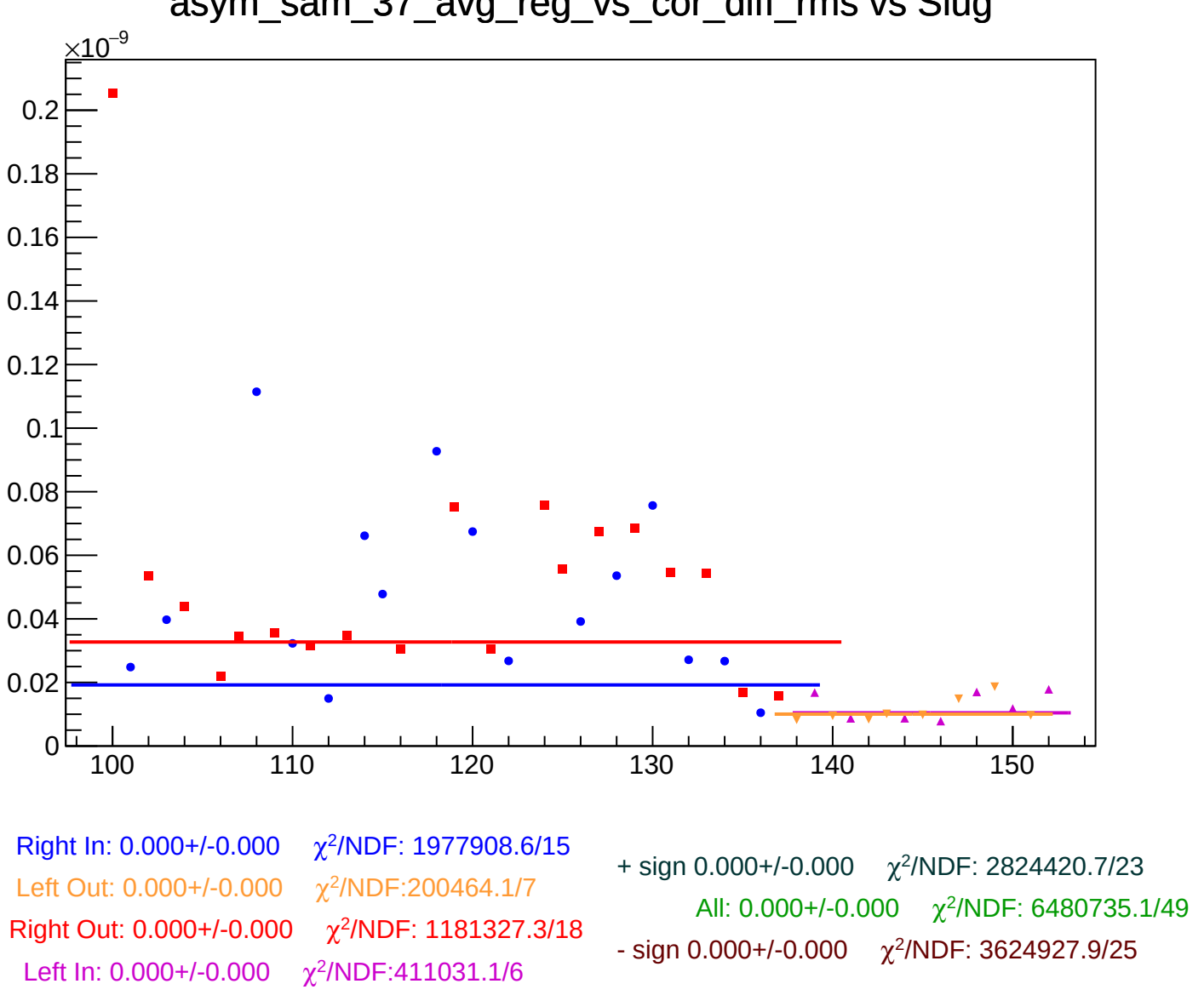
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/6

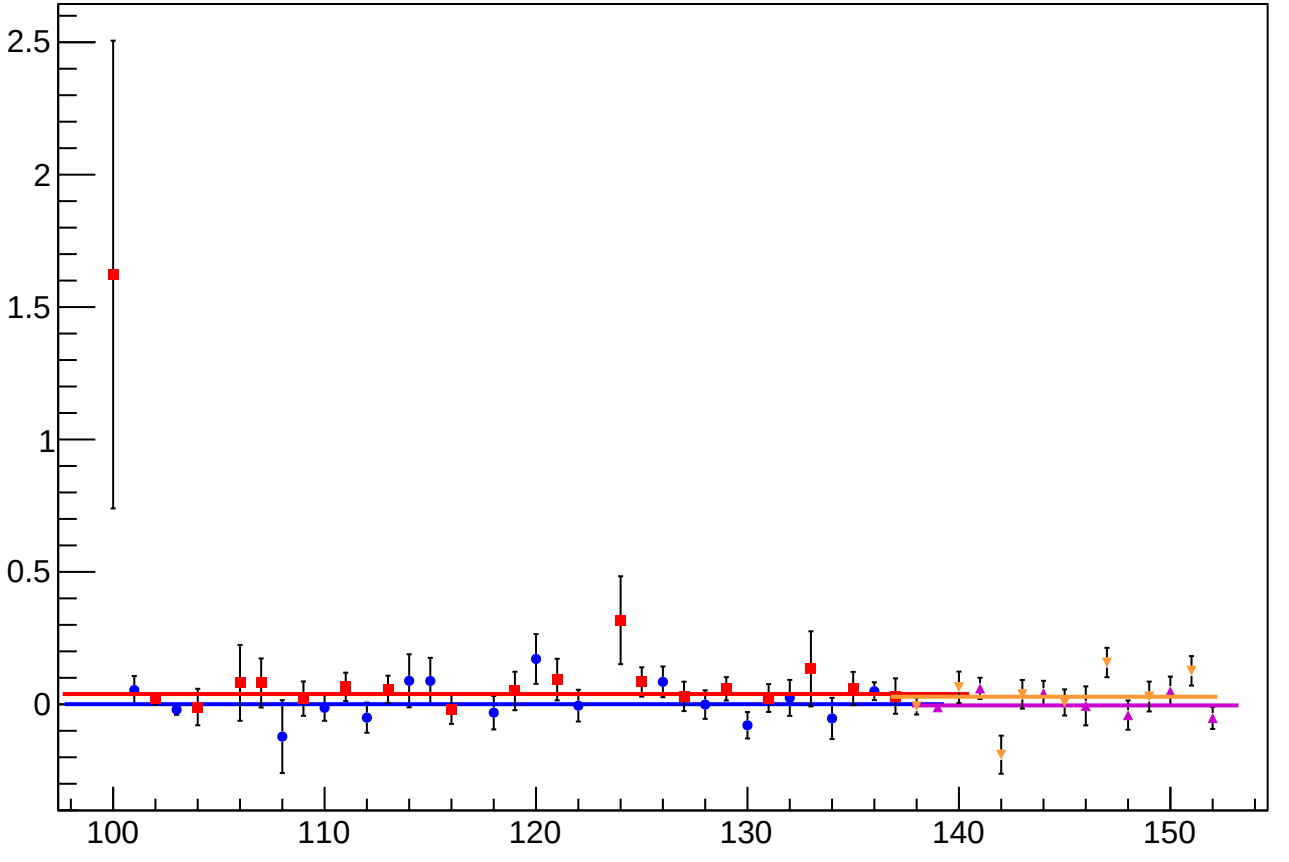
+ sign 0.000+/-0.000 χ^2/NDF: 25.9/23

All: 0.000+/-0.000 χ^2/NDF: 47.4/49

- sign 0.000+/-0.000 χ^2/NDF: 21.2/25


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:200464.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:411031.1/6
+ sign 0.000+/-0.000 χ²/NDF: 2824420.7/23
All: 0.000+/-0.000 χ²/NDF: 6480735.1/49
- sign 0.000+/-0.000 χ²/NDF: 3624927.9/25

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: 0.029+/-0.018 χ^2/NDF:19.7/7

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

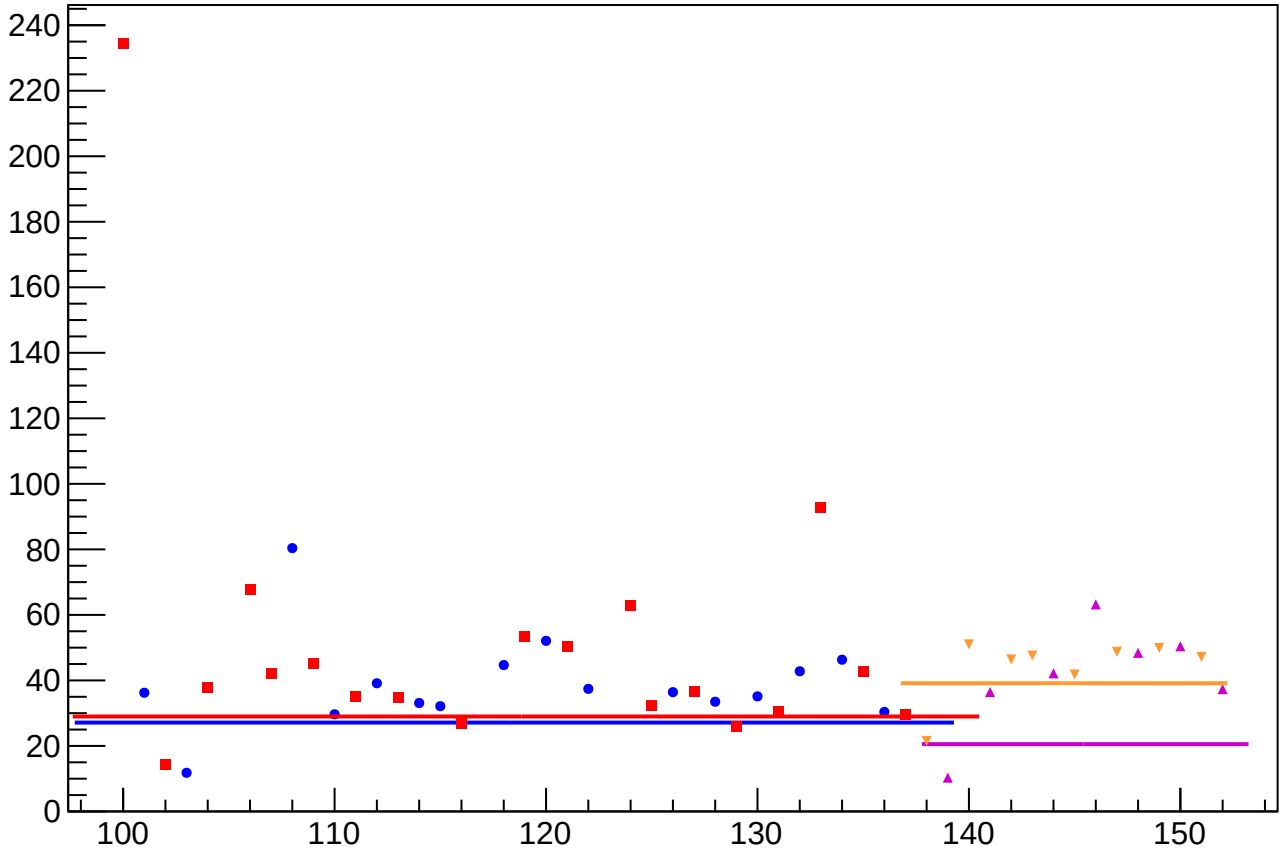
Left In: -0.004+/-0.011 χ^2/NDF:6.6/6

+ sign 0.009+/-0.010 χ^2/NDF: 37.9/23

All: 0.012+/-0.006 χ^2/NDF: 62.2/49

- sign 0.015+/-0.008 χ^2/NDF: 24.1/25

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: 39.139+/-0.012 χ^2/NDF:958759.5/7

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

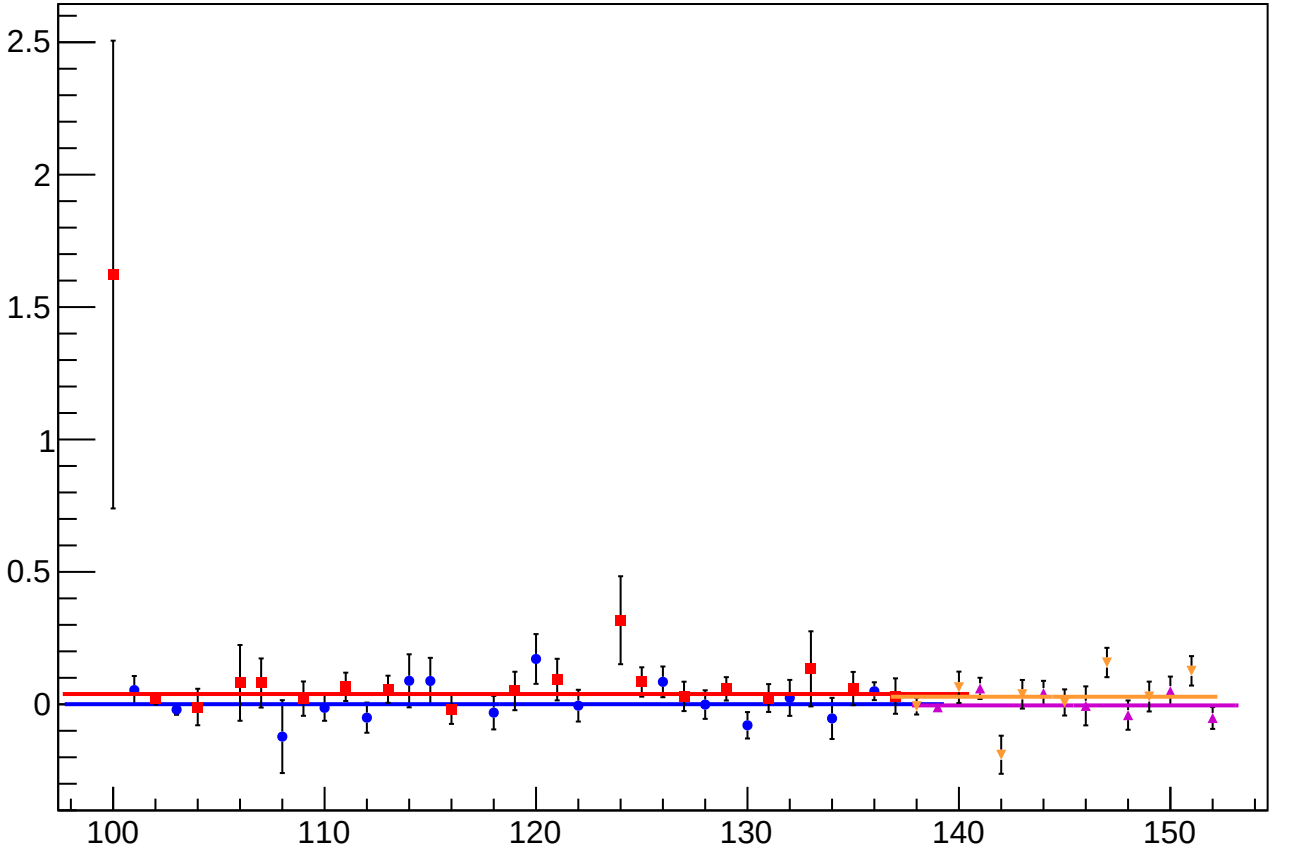
Left In: 20.551+/-0.008 χ^2/NDF:4010520.2/6

+ sign 30.940+/-0.007 χ^2/NDF: 4006502.6/23

All: 27.010+/-0.005 χ^2/NDF: 11507186.4/49

- sign 24.235+/-0.006 χ^2/NDF: 6967528.6/25

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.029+/-0.018 χ^2/NDF:19.7/7

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

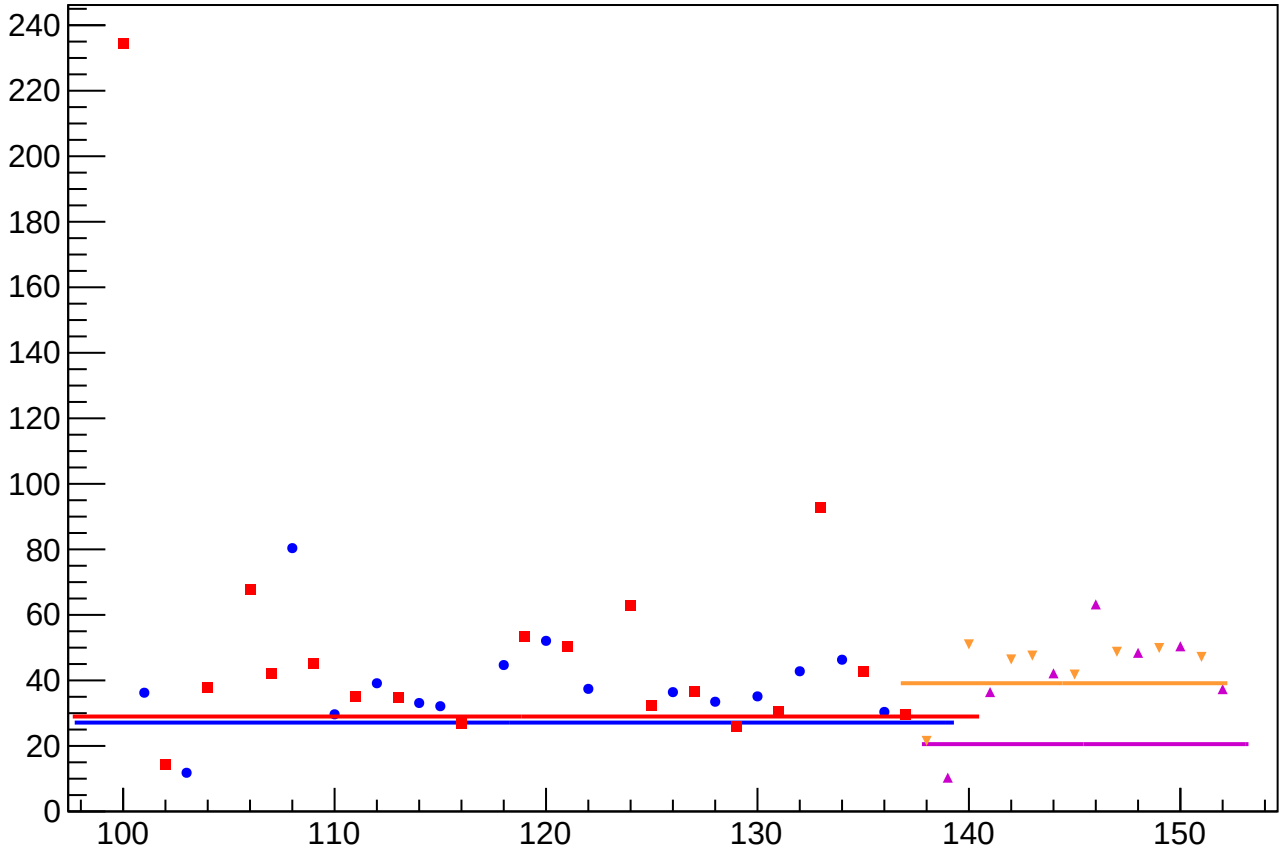
Left In: -0.004+/-0.011 χ^2/NDF:6.6/6

+ sign 0.009+/-0.010 χ^2/NDF: 37.9/23

All: 0.012+/-0.006 χ^2/NDF: 62.2/49

- sign 0.015+/-0.008 χ^2/NDF: 24.1/25

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: 39.139+/-0.012 χ^2/NDF:958759.5/7

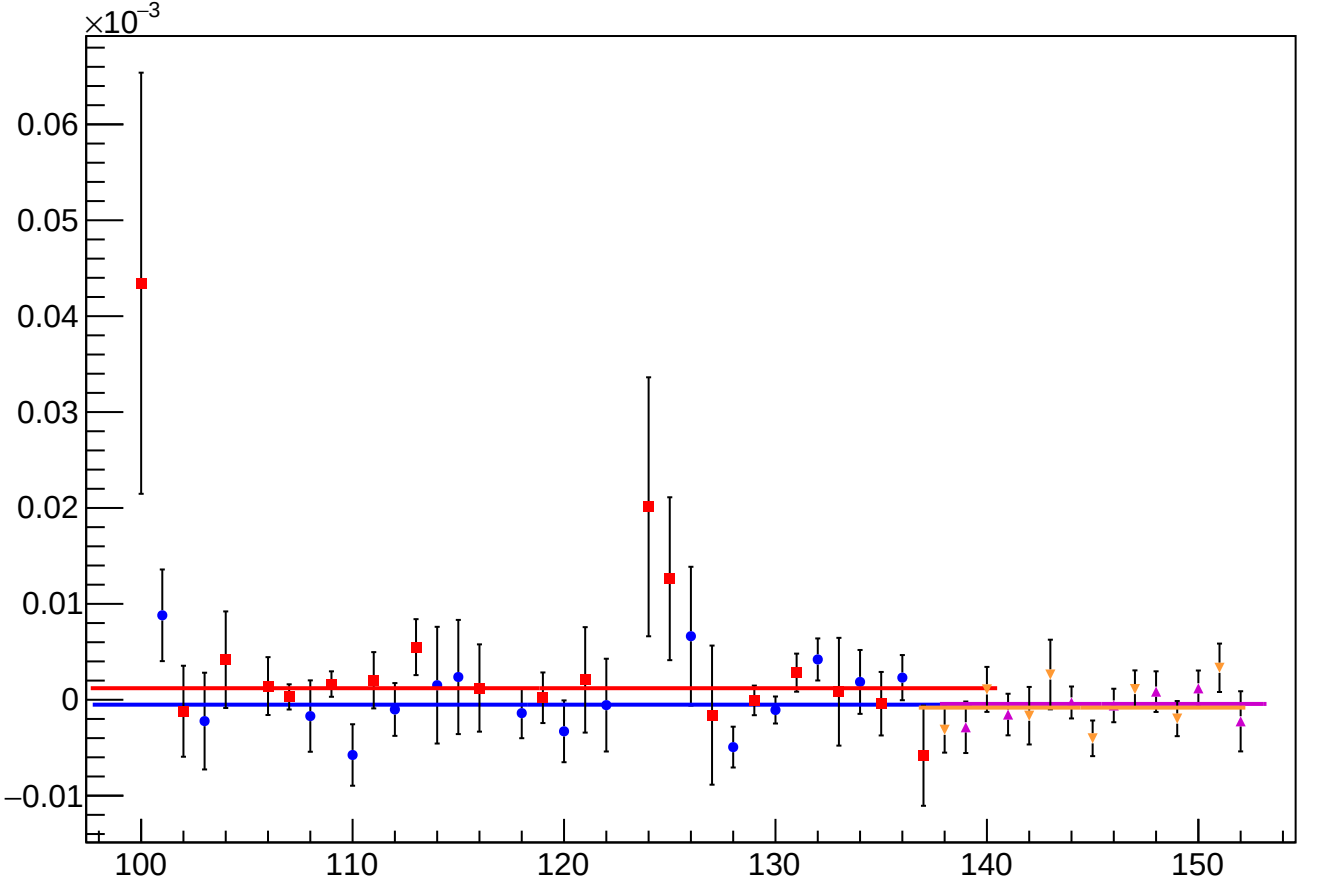
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.551+/-0.008 χ^2/NDF:4010520.2/6

+ sign 30.940+/-0.007 χ^2/NDF: 4006502.6/23

All: 27.010+/-0.005 χ^2/NDF: 11507186.4/49

- sign 24.235+/-0.006 χ^2/NDF: 6967528.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/7

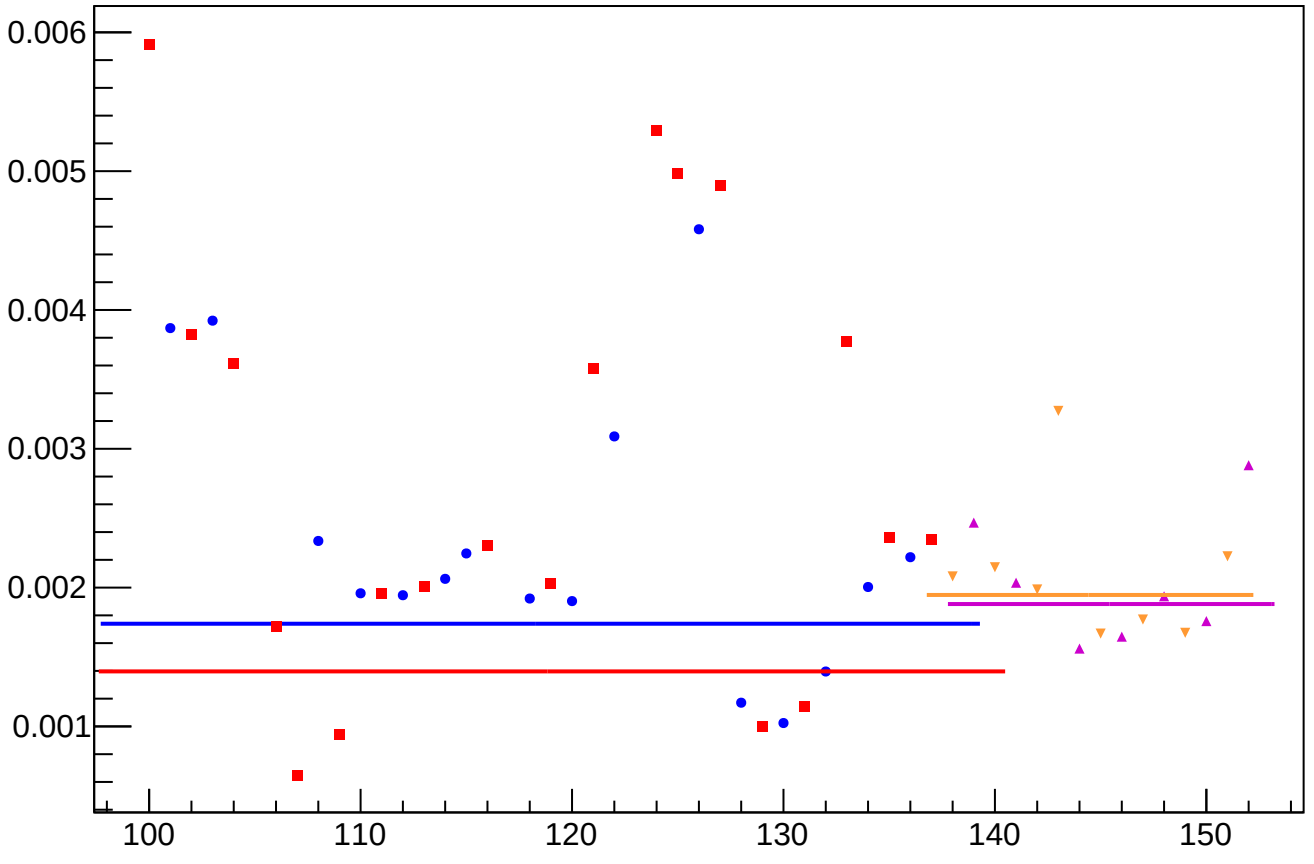
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 29.7/23

All: 0.000+/-0.000 χ^2/NDF: 52.5/49

- sign 0.000+/-0.000 χ^2/NDF: 19.9/25



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:417668.1/7

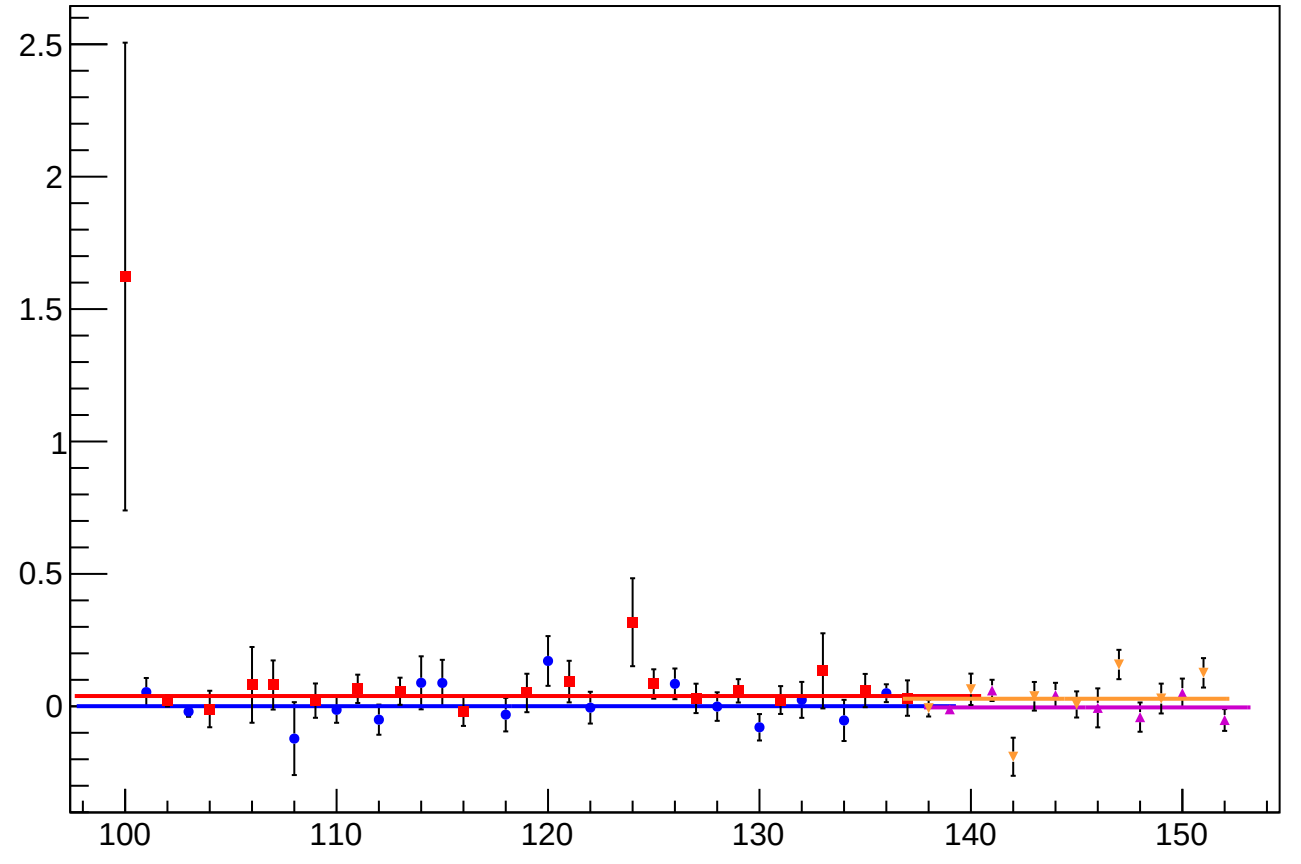
Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:429358.7/6

+ sign 0.002+/-0.000 χ^2/NDF: 2638743.2/23

All: 0.002+/-0.000 χ^2/NDF: 8113930.9/49

- sign 0.002+/-0.000 χ^2/NDF: 5233589.0/25



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.029+/-0.018 χ^2/NDF:19.7/7

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

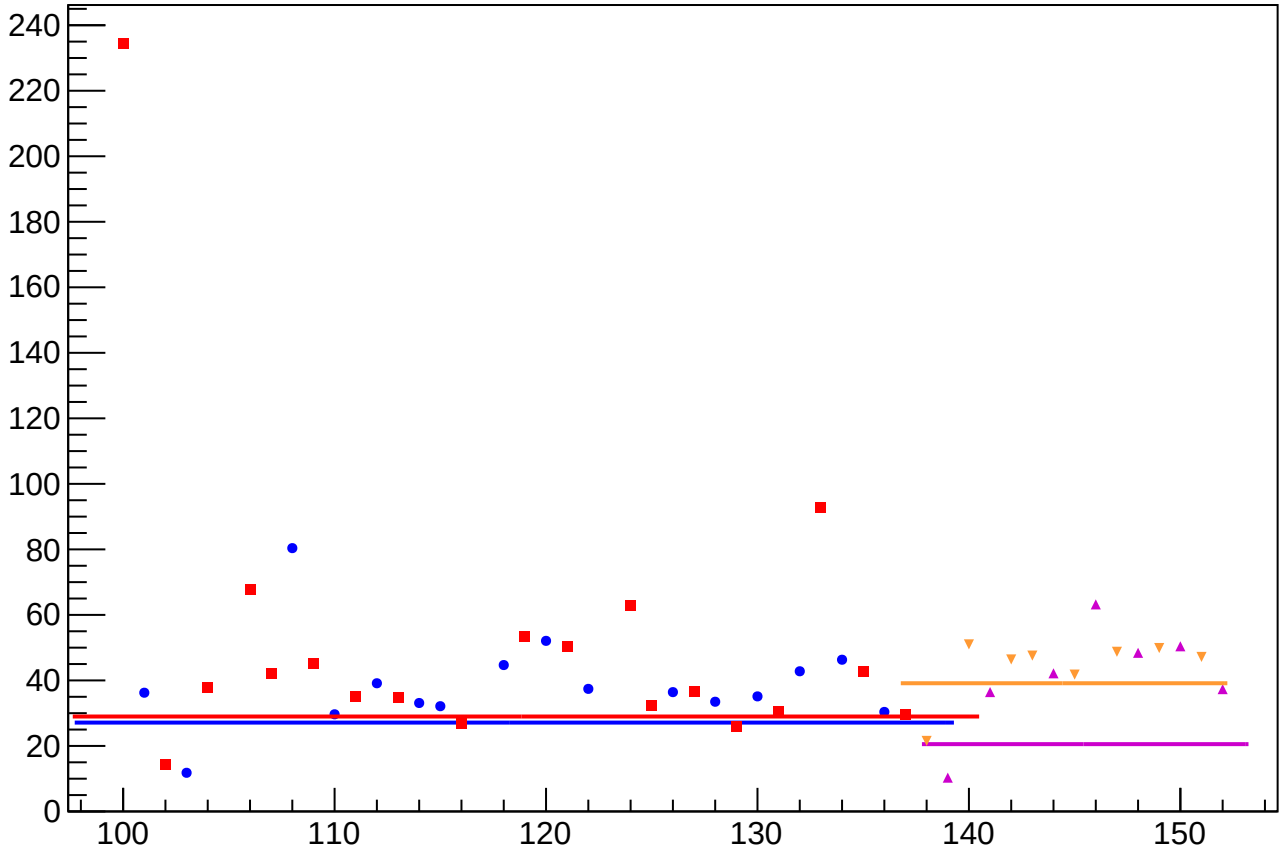
Left In: -0.004+/-0.011 χ^2/NDF:6.6/6

+ sign 0.009+/-0.010 χ^2/NDF: 37.9/23

All: 0.012+/-0.006 χ^2/NDF: 62.2/49

- sign 0.015+/-0.008 χ^2/NDF: 24.1/25

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: 39.137+/-0.012 χ^2/NDF:959189.2/7

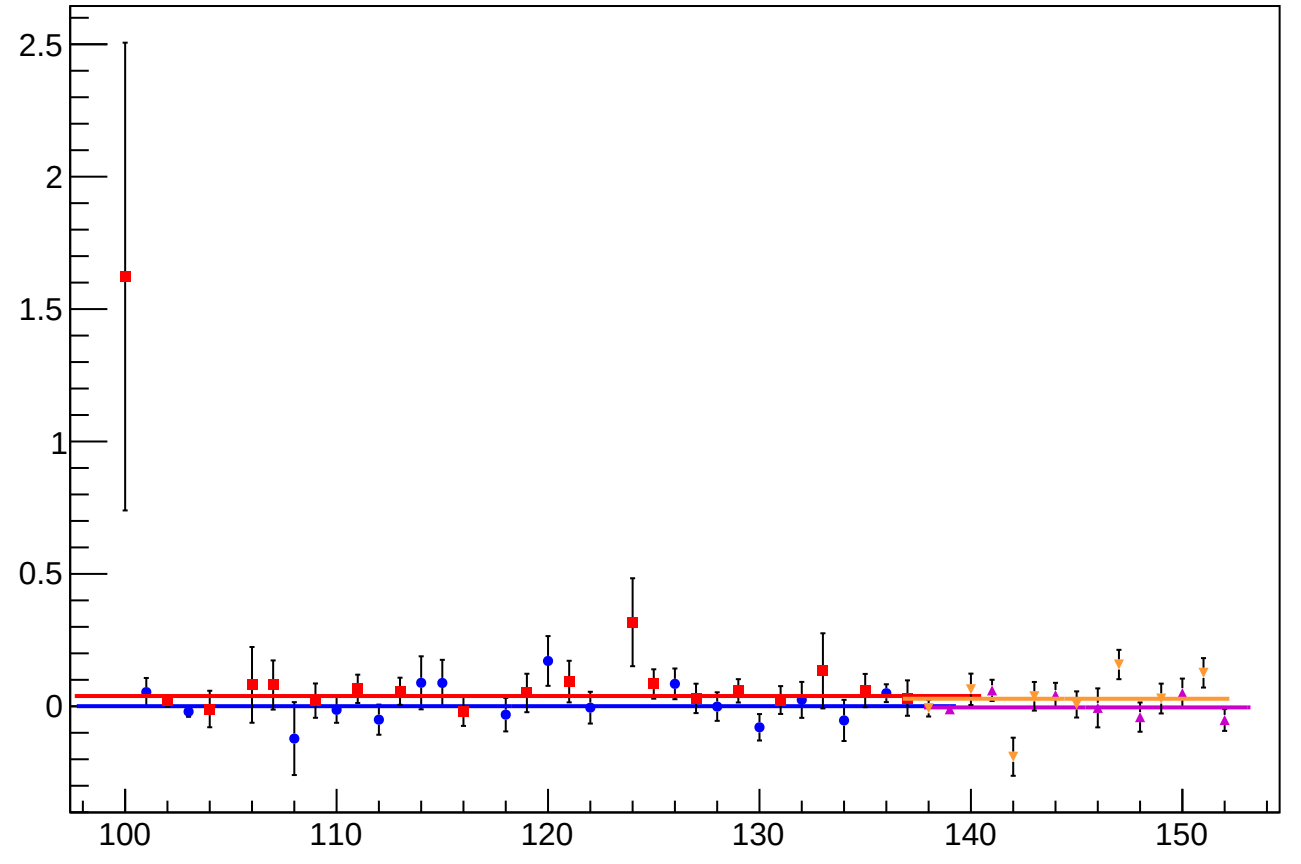
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.549+/-0.008 χ^2/NDF:4011084.0/6

+ sign 30.939+/-0.007 χ^2/NDF: 4007167.7/23

All: 27.010+/-0.005 χ^2/NDF: 11508328.5/49

- sign 24.235+/-0.006 χ^2/NDF: 6968066.2/25



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.029+/-0.018 χ^2/NDF:19.7/7

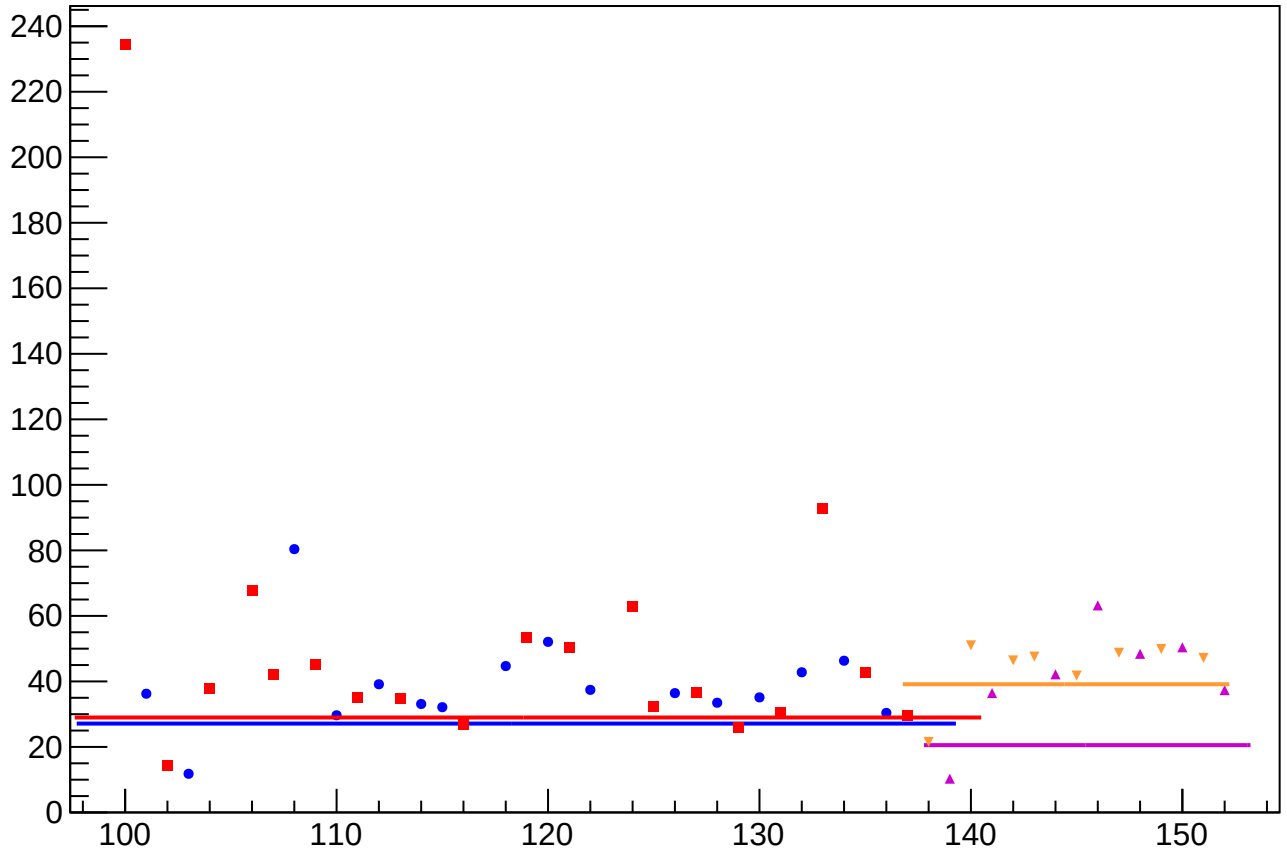
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.011 χ^2/NDF:6.6/6

+ sign 0.009+/-0.010 χ^2/NDF: 37.9/23

All: 0.012+/-0.006 χ^2/NDF: 62.2/49

- sign 0.015+/-0.008 χ^2/NDF: 24.1/25



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 39.137+/-0.012 χ^2/NDF:959189.2/7

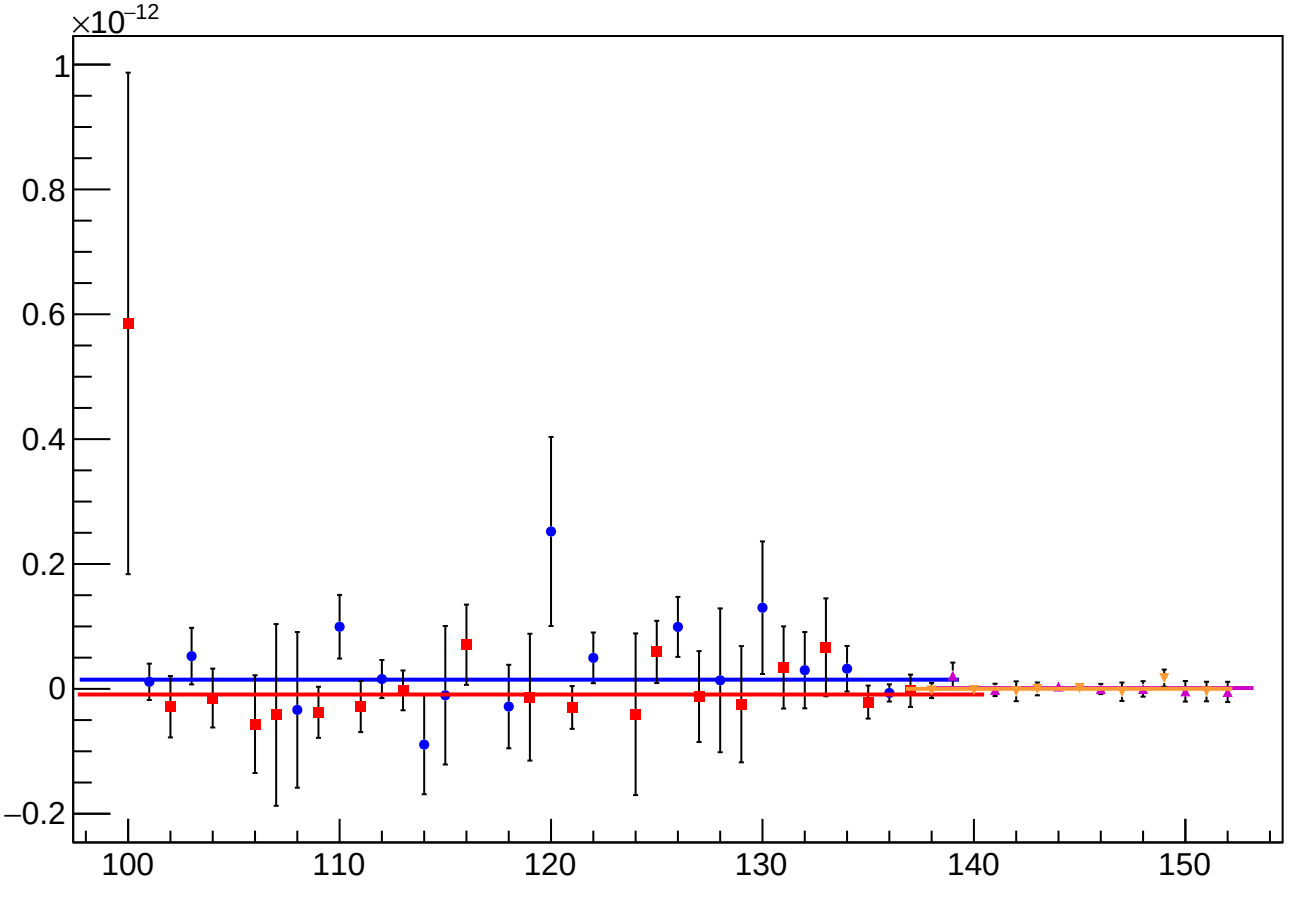
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.549+/-0.008 χ^2/NDF:4011084.0/6

+ sign 30.939+/-0.007 χ^2/NDF: 4007167.7/23

All: 27.010+/-0.005 χ^2/NDF: 11508328.5/49

- sign 24.235+/-0.006 χ^2/NDF: 6968066.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/7

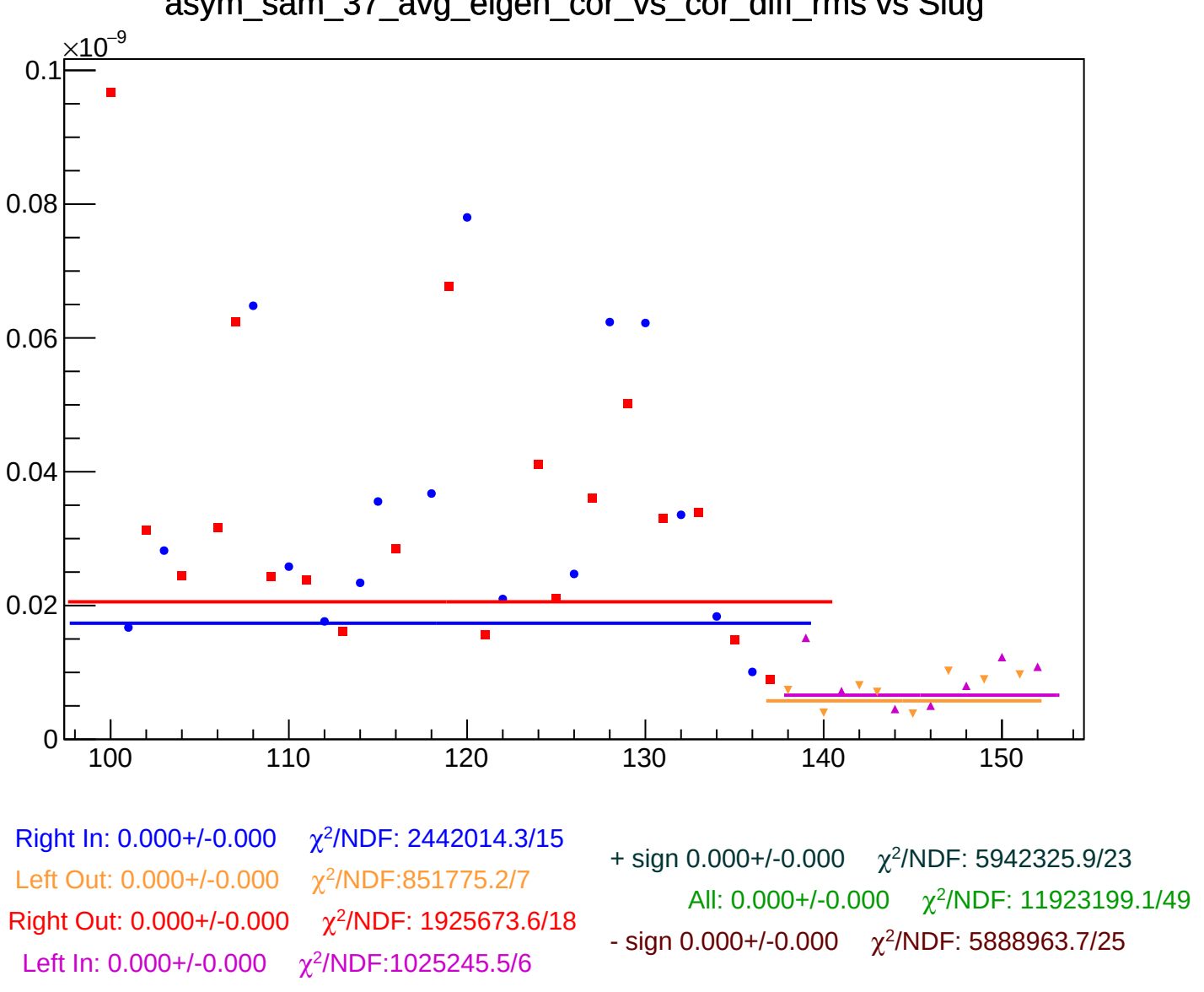
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/6

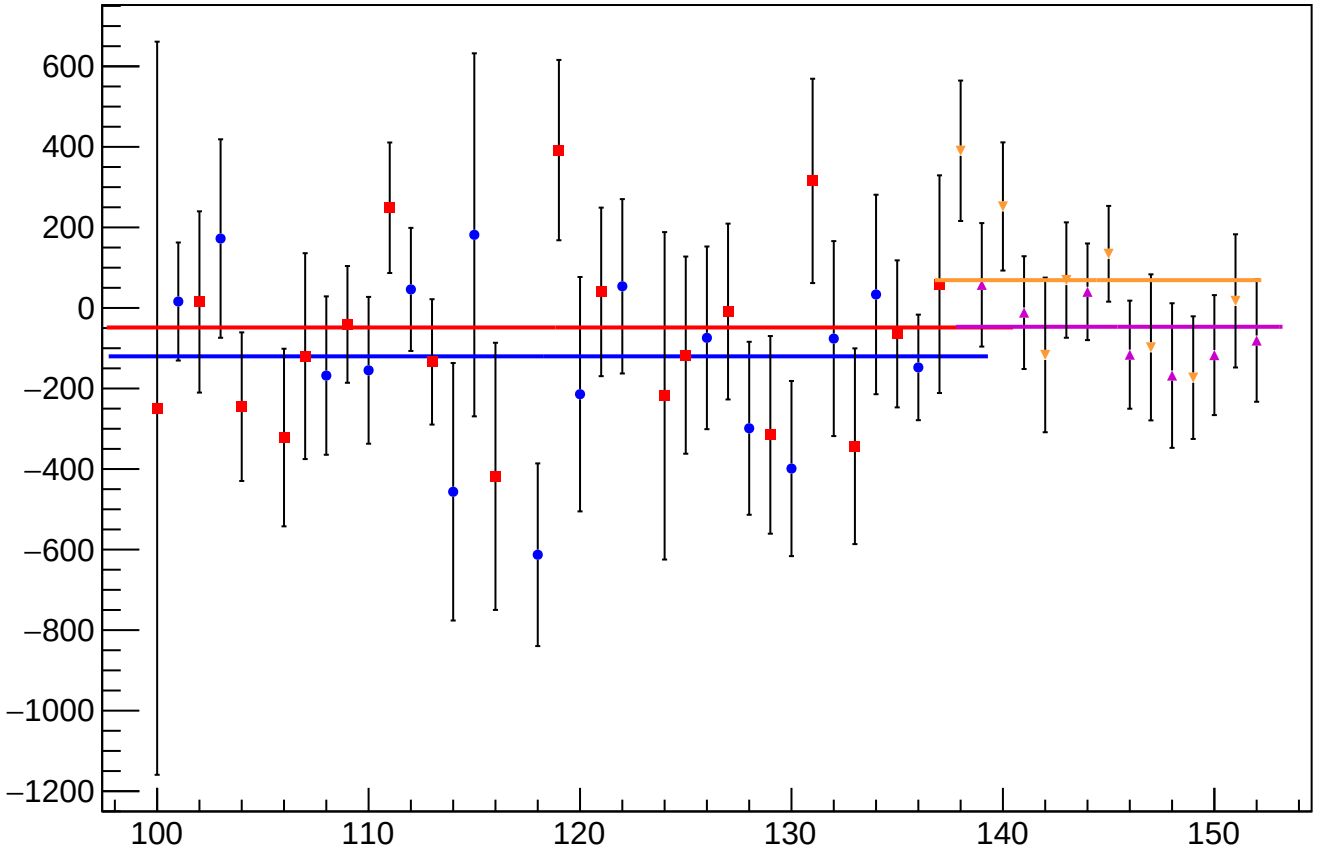
+ sign 0.000+/-0.000 χ^2/NDF: 20.0/23

All: 0.000+/-0.000 χ^2/NDF: 31.5/49

- sign 0.000+/-0.000 χ^2/NDF: 11.3/25


asym_sam_37_avg_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: 2442014.3/15
Left Out: 0.000+/-0.000 χ²/NDF:851775.2/7
Right Out: 0.000+/-0.000 χ²/NDF: 1925673.6/18
Left In: 0.000+/-0.000 χ²/NDF:1025245.5/6
+ sign 0.000+/-0.000 χ²/NDF: 5942325.9/23
All: 0.000+/-0.000 χ²/NDF: 11923199.1/49
- sign 0.000+/-0.000 χ²/NDF: 5888963.7/25

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 69.054+/-55.128 χ^2/NDF:9.4/7

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

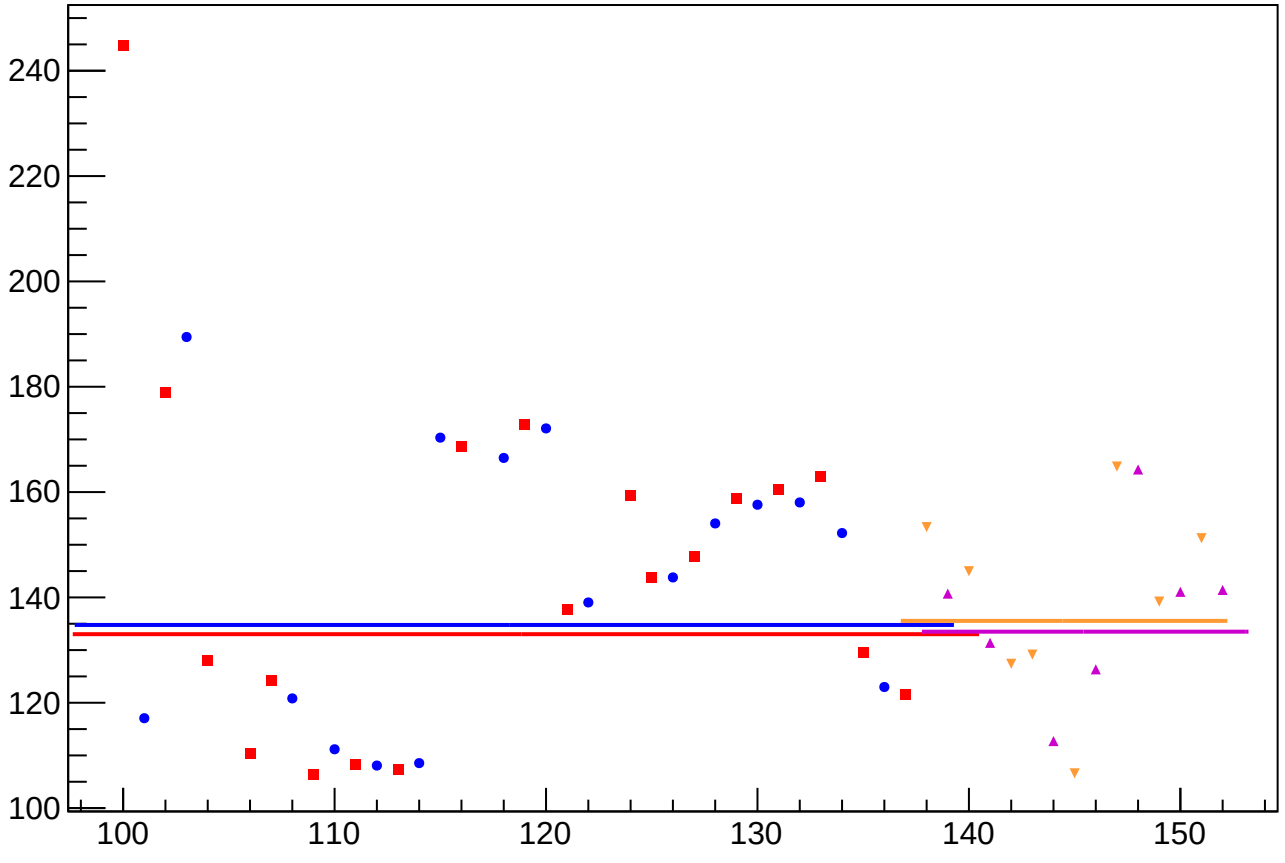
Left In: -46.739+/-54.397 χ^2/NDF:2.0/6

+ sign -32.711+/-37.478 χ^2/NDF: 29.2/23

All: -40.330+/-26.249 χ^2/NDF: 48.3/49

- sign -47.667+/-36.776 χ^2/NDF: 19.0/25

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 135.544+/-0.039 χ^2/NDF:225448.2/7

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

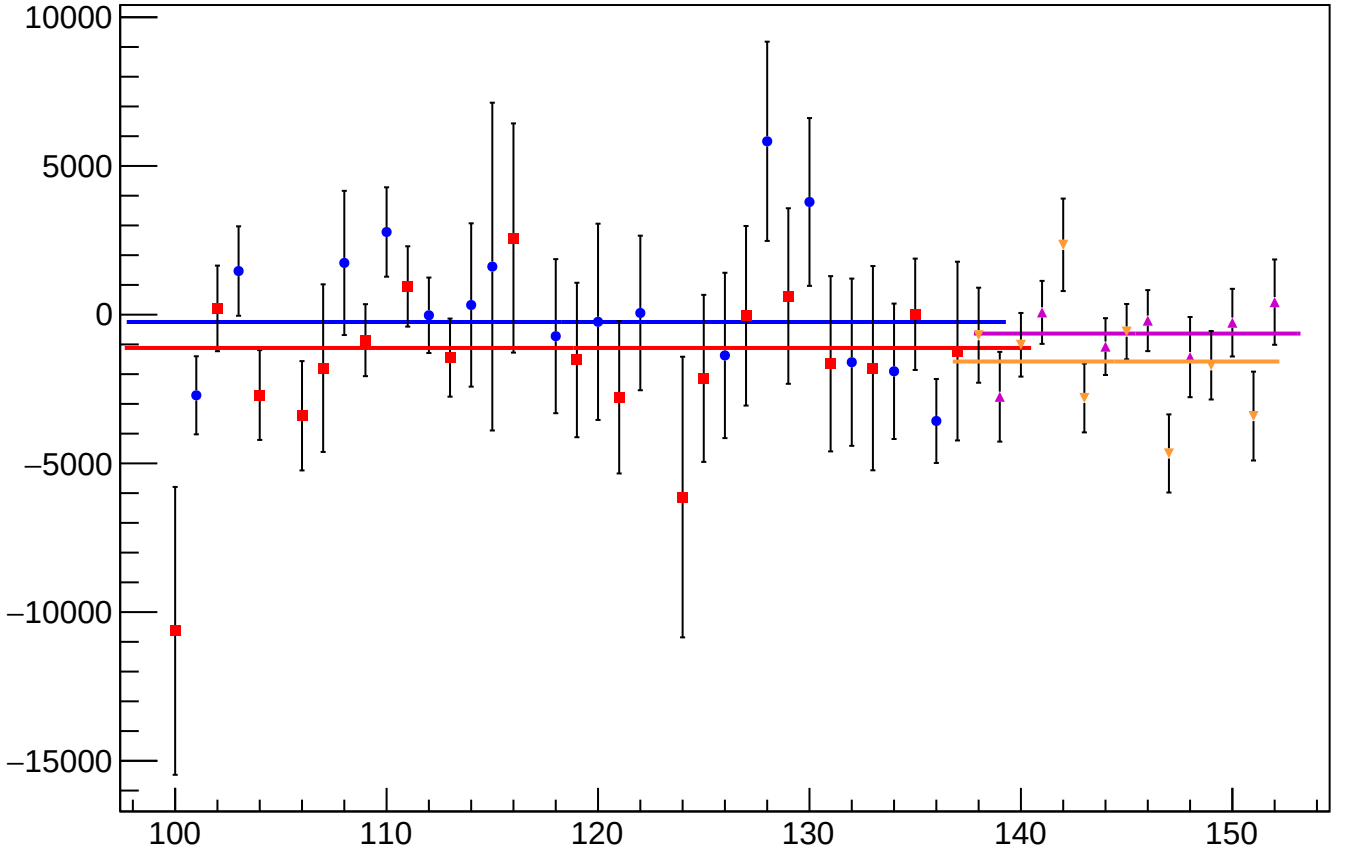
Left In: 133.494+/-0.038 χ^2/NDF:139966.7/6

+ sign 135.129+/-0.027 χ^2/NDF: 642438.6/23

All: 134.164+/-0.019 χ^2/NDF: 1280802.9/49

- sign 133.236+/-0.026 χ^2/NDF: 635766.3/25

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1575.012+/-431.699 χ^2/NDF:16.3/7

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

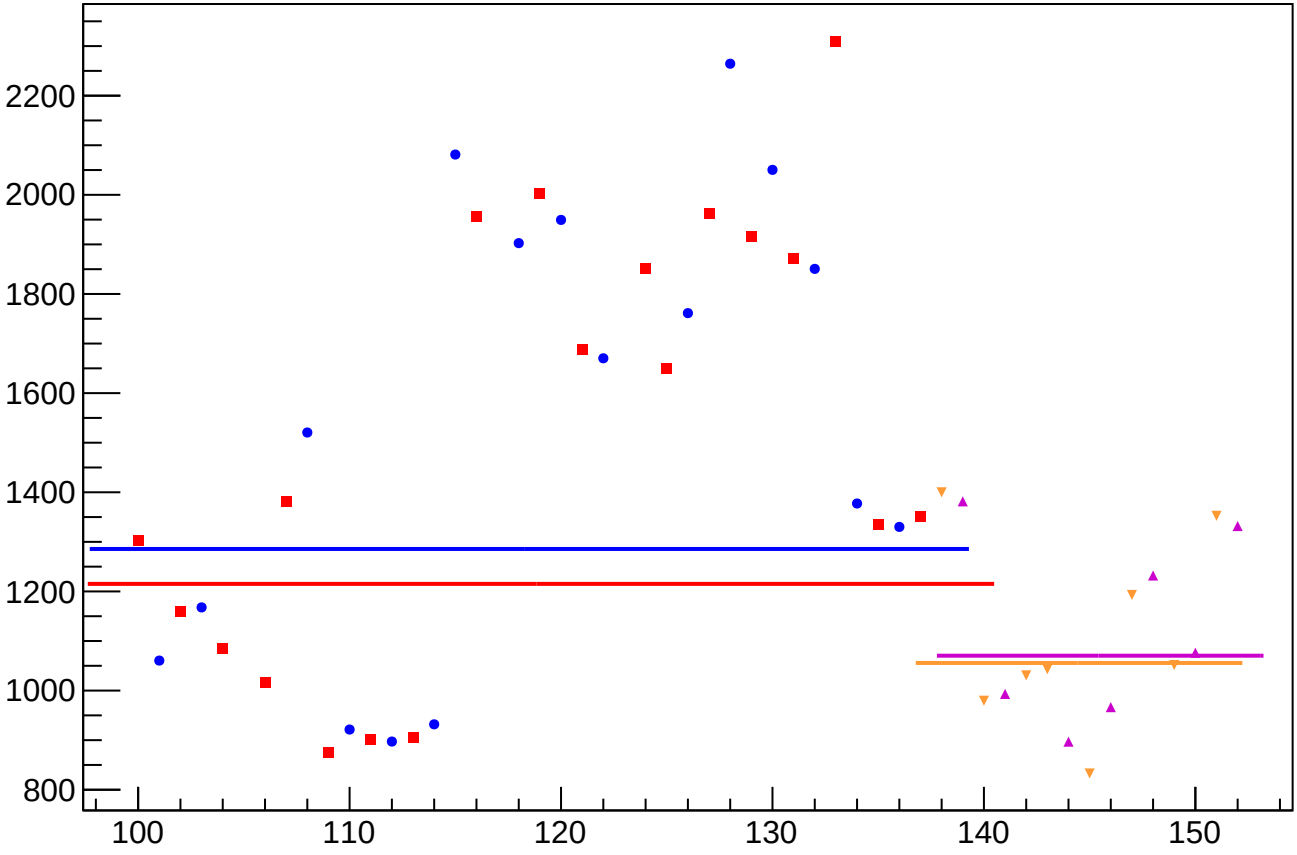
Left In: -635.499+/-439.034 χ^2/NDF:3.8/6

+ sign -1009.400+/-327.152 χ^2/NDF: 41.9/23

All: -934.051+/-228.879 χ^2/NDF: 59.8/49

- sign -861.816+/-320.322 χ^2/NDF: 17.8/25

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1055.708+/-0.305 χ^2/NDF:319591.1/7

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

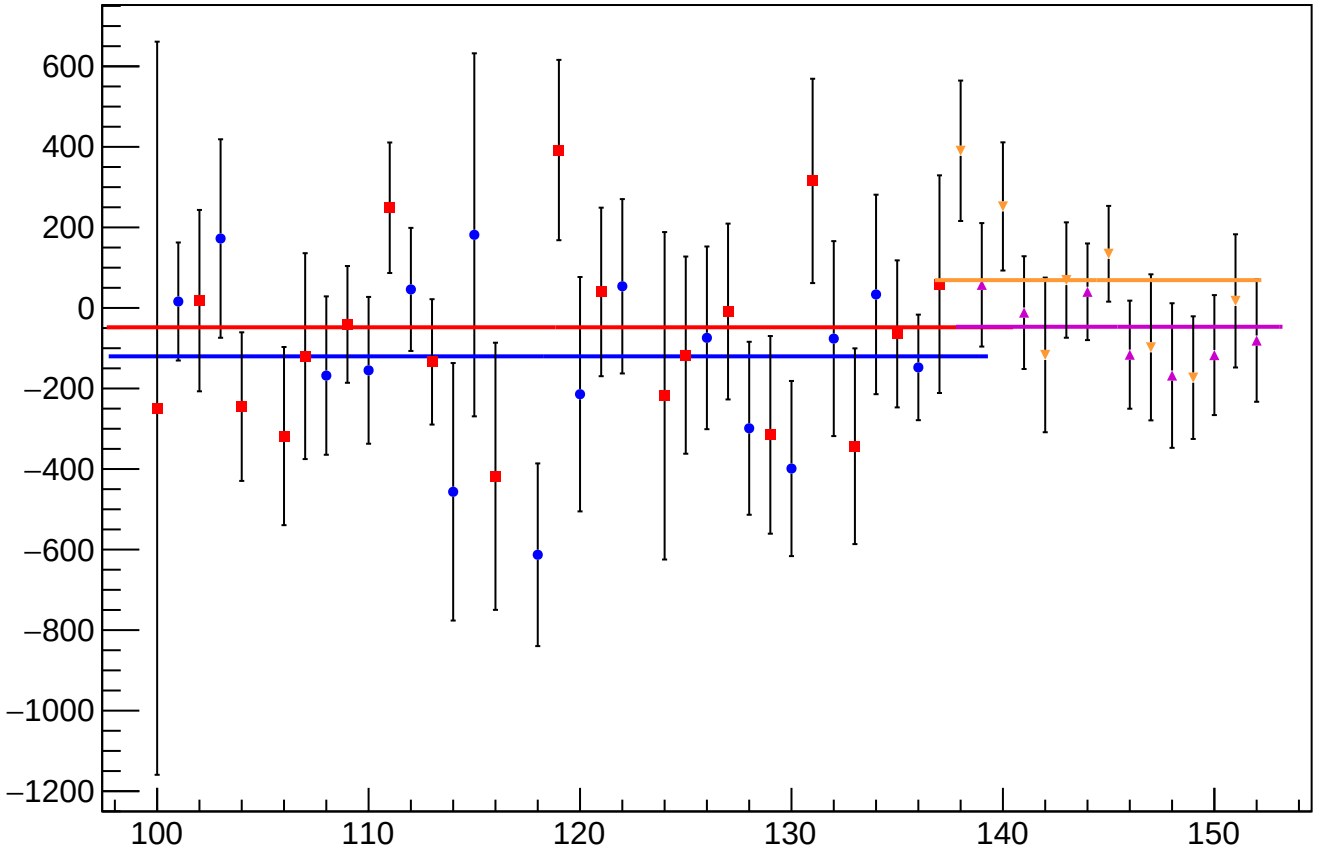
Left In: 1070.375+/-0.310 χ^2/NDF:277528.8/6

+ sign 1153.603+/-0.231 χ^2/NDF: 1731619.5/23

All: 1145.699+/-0.162 χ^2/NDF: 3499557.5/49

- sign 1138.123+/-0.227 χ^2/NDF: 1765651.9/25

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 69.067+/-55.128 χ^2/NDF:9.4/7

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

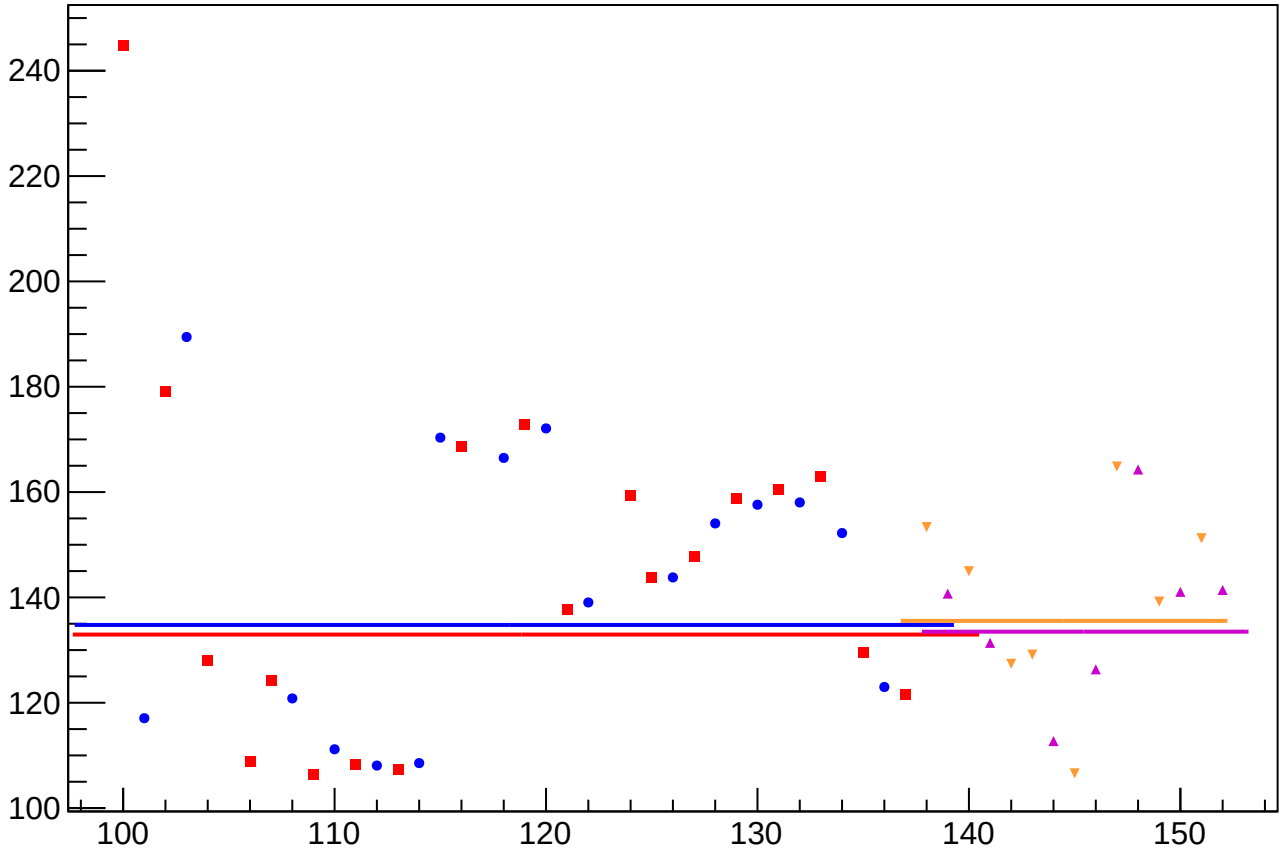
Left In: -46.745+/-54.397 χ^2/NDF:2.0/6

+ sign -32.711+/-37.478 χ^2/NDF: 29.2/23

All: -40.210+/-26.250 χ^2/NDF: 48.3/49

- sign -47.433+/-36.780 χ^2/NDF: 19.0/25

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 135.544+/-0.039 χ^2/NDF:225448.2/7

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

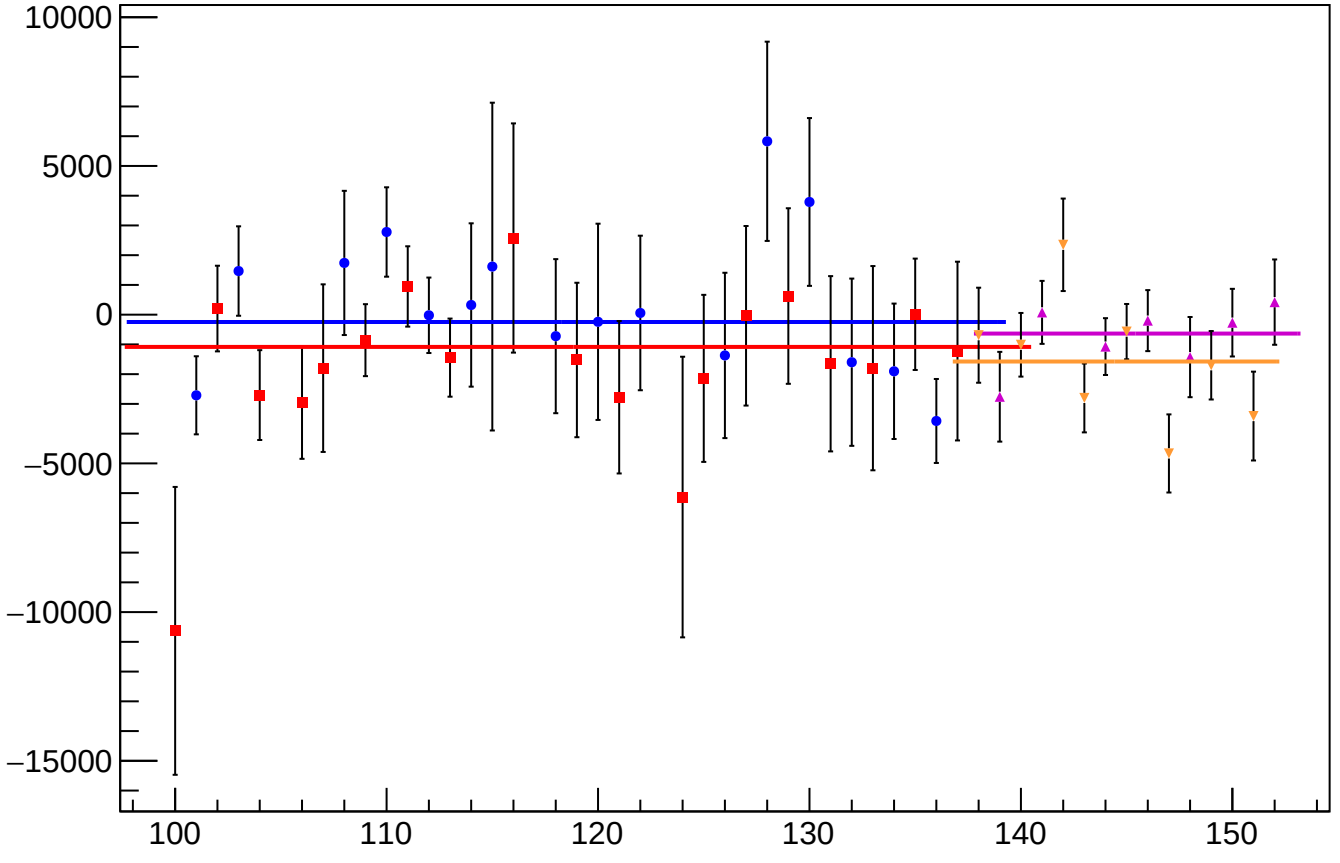
Left In: 133.494+/-0.038 χ^2/NDF:139966.7/6

+ sign 135.129+/-0.027 χ^2/NDF: 642441.6/23

All: 134.145+/-0.019 χ^2/NDF: 1284075.3/49

- sign 133.197+/-0.026 χ^2/NDF: 638926.9/25

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1574.999+/-431.699 χ^2/NDF:16.3/7

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

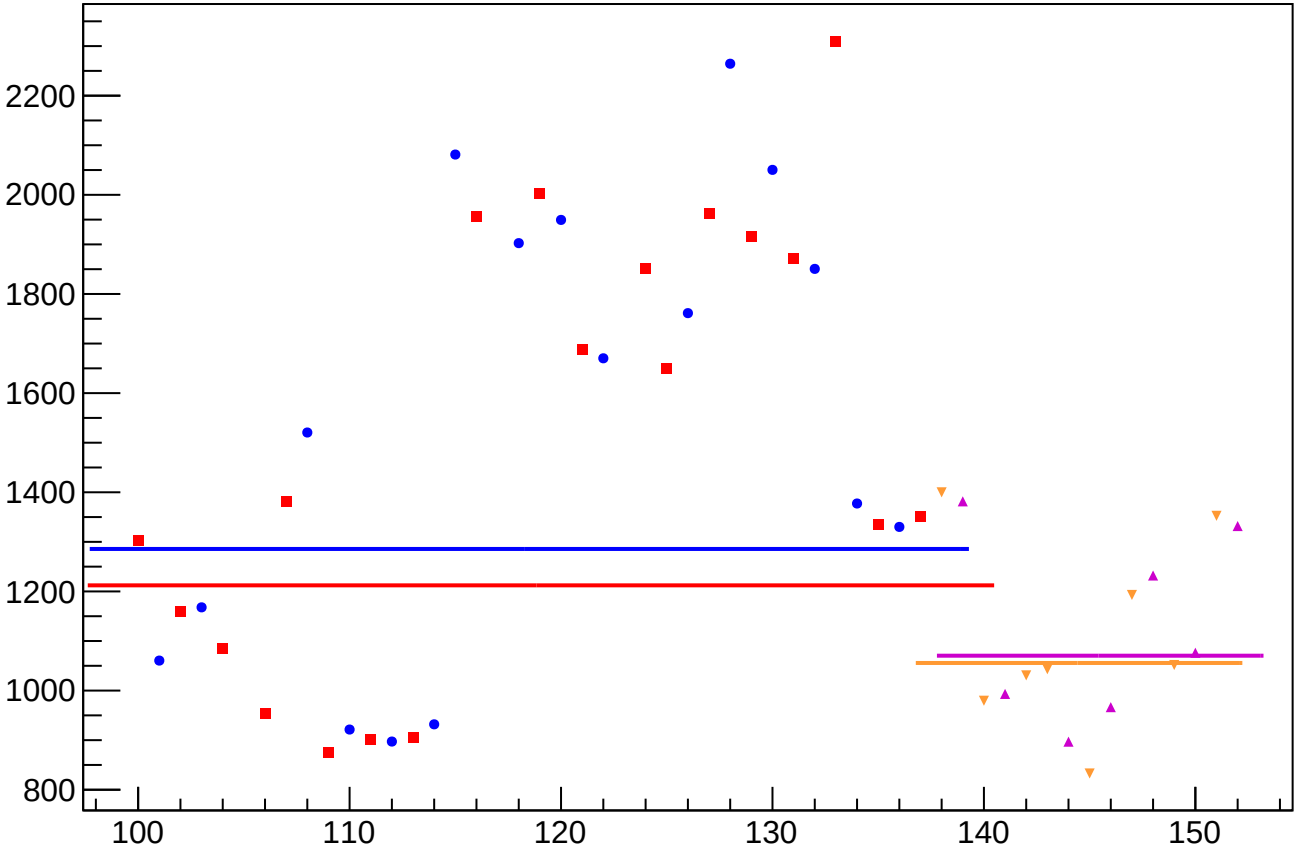
Left In: -635.511+/-439.034 χ^2/NDF:3.8/6

+ sign -1009.428+/-327.153 χ^2/NDF: 41.9/23

All: -925.485+/-228.987 χ^2/NDF: 59.2/49

- sign -844.861+/-320.618 χ^2/NDF: 17.1/25

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1055.707+/-0.305 χ^2/NDF:319593.8/7

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

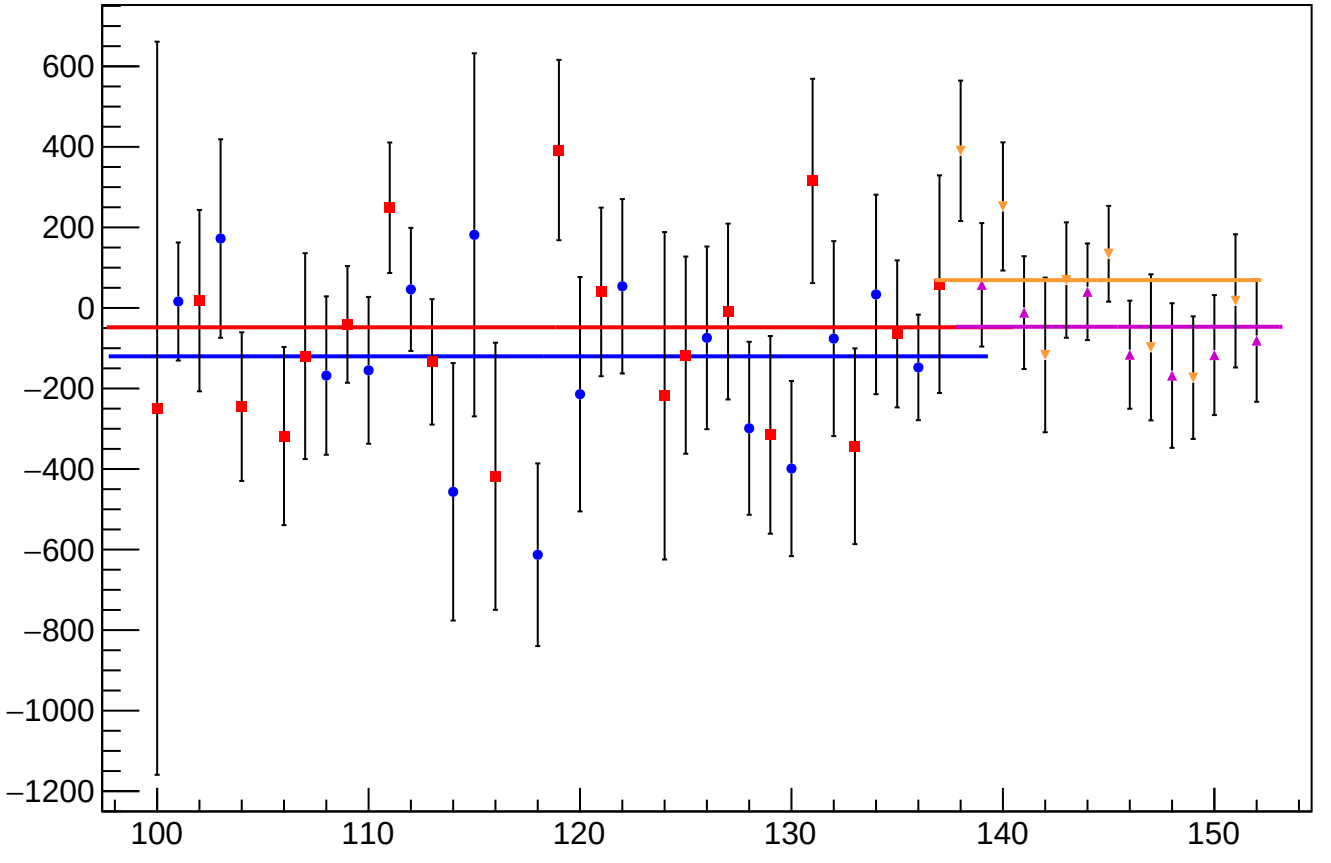
Left In: 1070.375+/-0.310 χ^2/NDF:277527.6/6

+ sign 1153.607+/-0.231 χ^2/NDF: 1731623.7/23

All: 1144.931+/-0.162 χ^2/NDF: 3510049.9/49

- sign 1136.599+/-0.227 χ^2/NDF: 1775668.9/25

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 69.067+/-55.128 χ^2/NDF:9.4/7

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

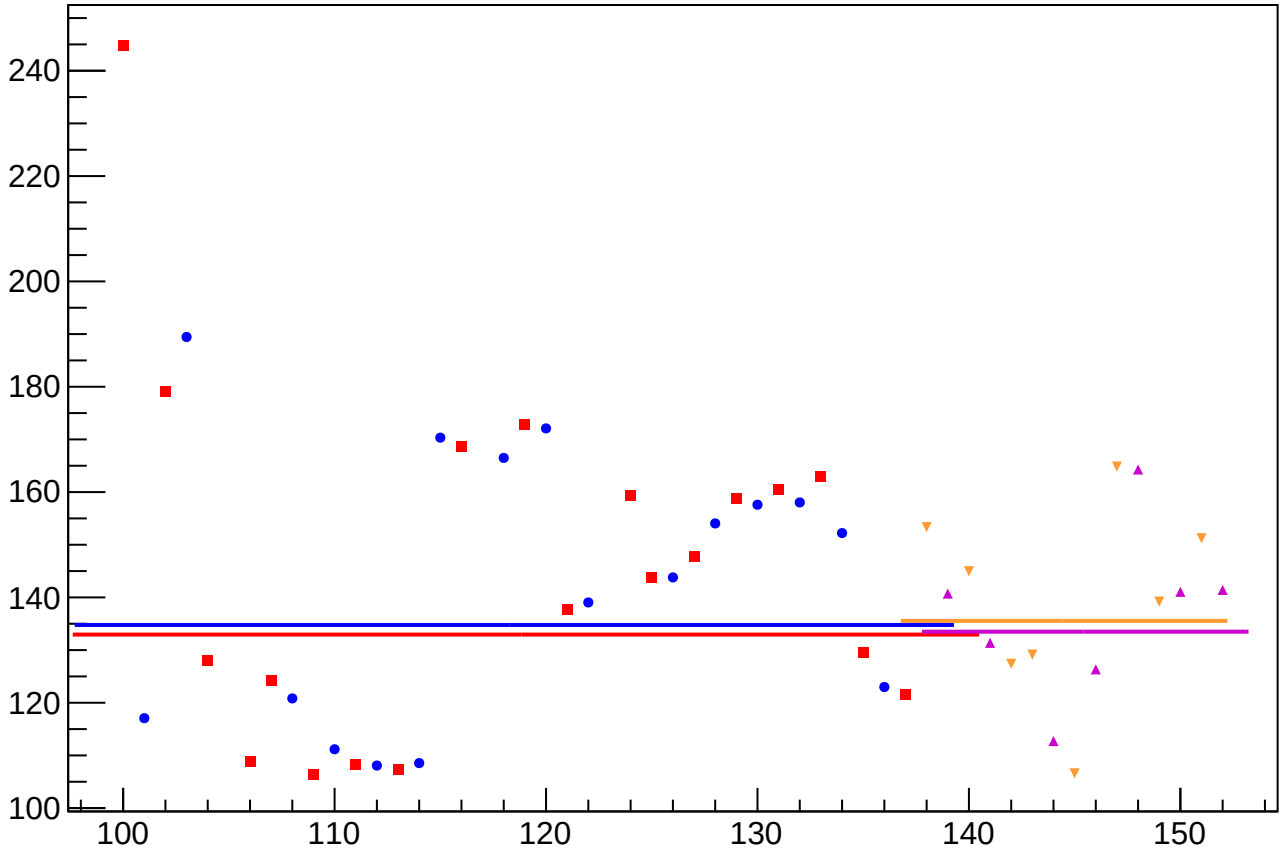
Left In: -46.745+/-54.397 χ^2/NDF:2.0/6

+ sign -32.711+/-37.478 χ^2/NDF: 29.2/23

All: -40.210+/-26.250 χ^2/NDF: 48.3/49

- sign -47.433+/-36.780 χ^2/NDF: 19.0/25

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 135.544+/-0.039 χ^2/NDF:225448.2/7

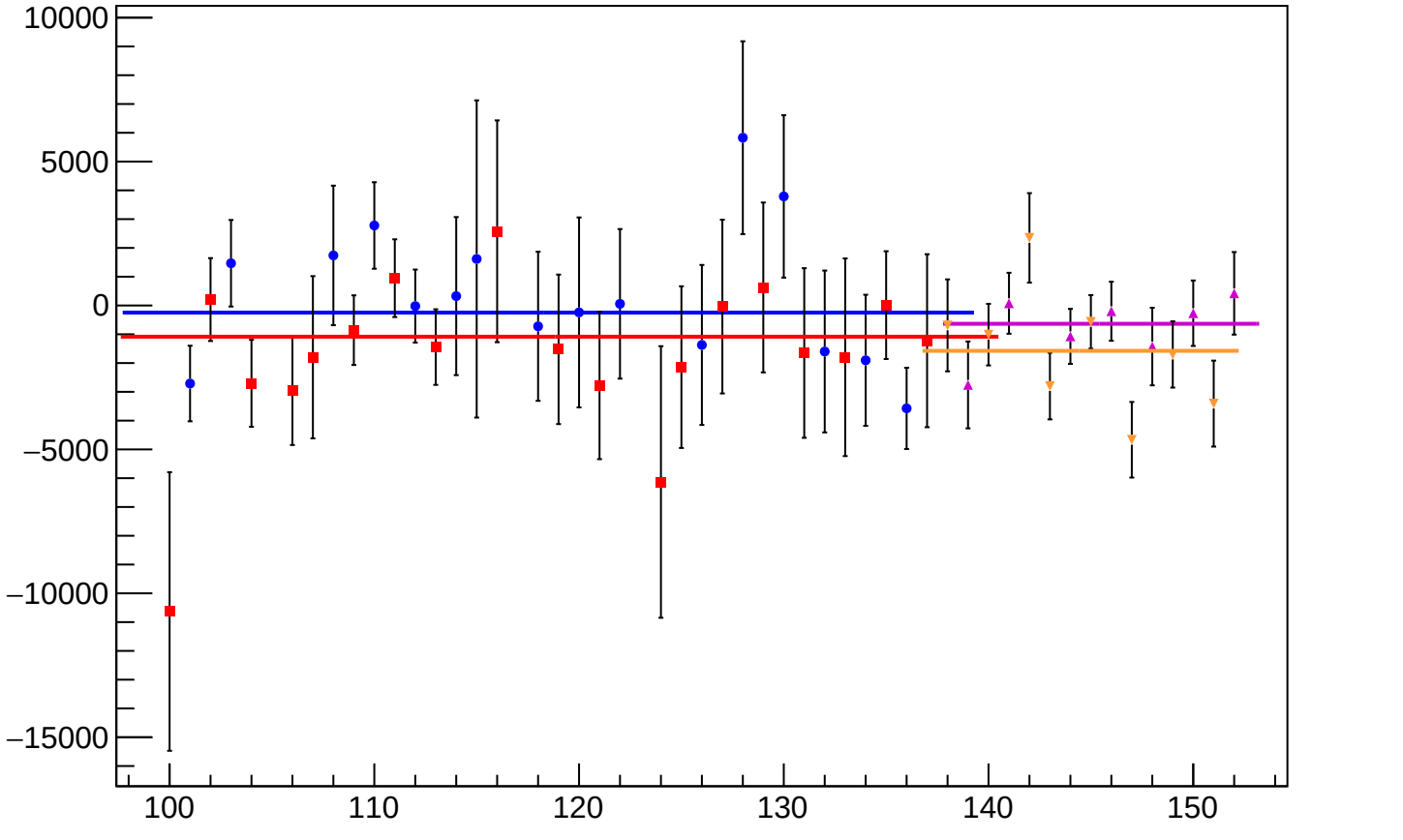
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 133.494+/-0.038 χ^2/NDF:139966.7/6

+ sign 135.129+/-0.027 χ^2/NDF: 642441.6/23

All: 134.145+/-0.019 χ^2/NDF: 1284075.3/49

- sign 133.197+/-0.026 χ^2/NDF: 638926.9/25



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1574.999+/-431.699 χ^2/NDF:16.3/7

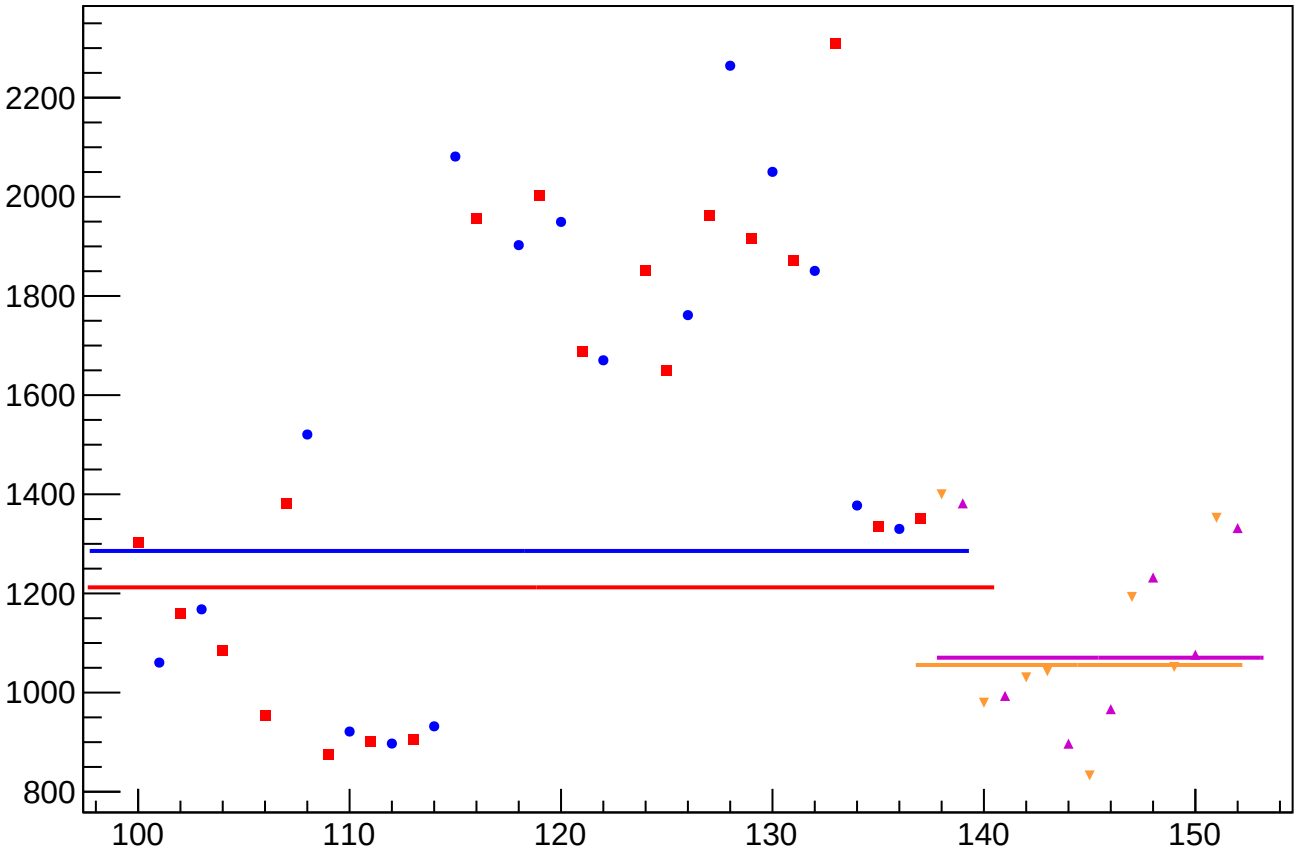
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -635.511+/-439.034 χ^2/NDF:3.8/6

+ sign -1009.428+/-327.153 χ^2/NDF: 41.9/23

All: -925.485+/-228.987 χ^2/NDF: 59.2/49

- sign -844.861+/-320.618 χ^2/NDF: 17.1/25



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1055.707+/-0.305 χ^2/NDF:319593.8/7

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

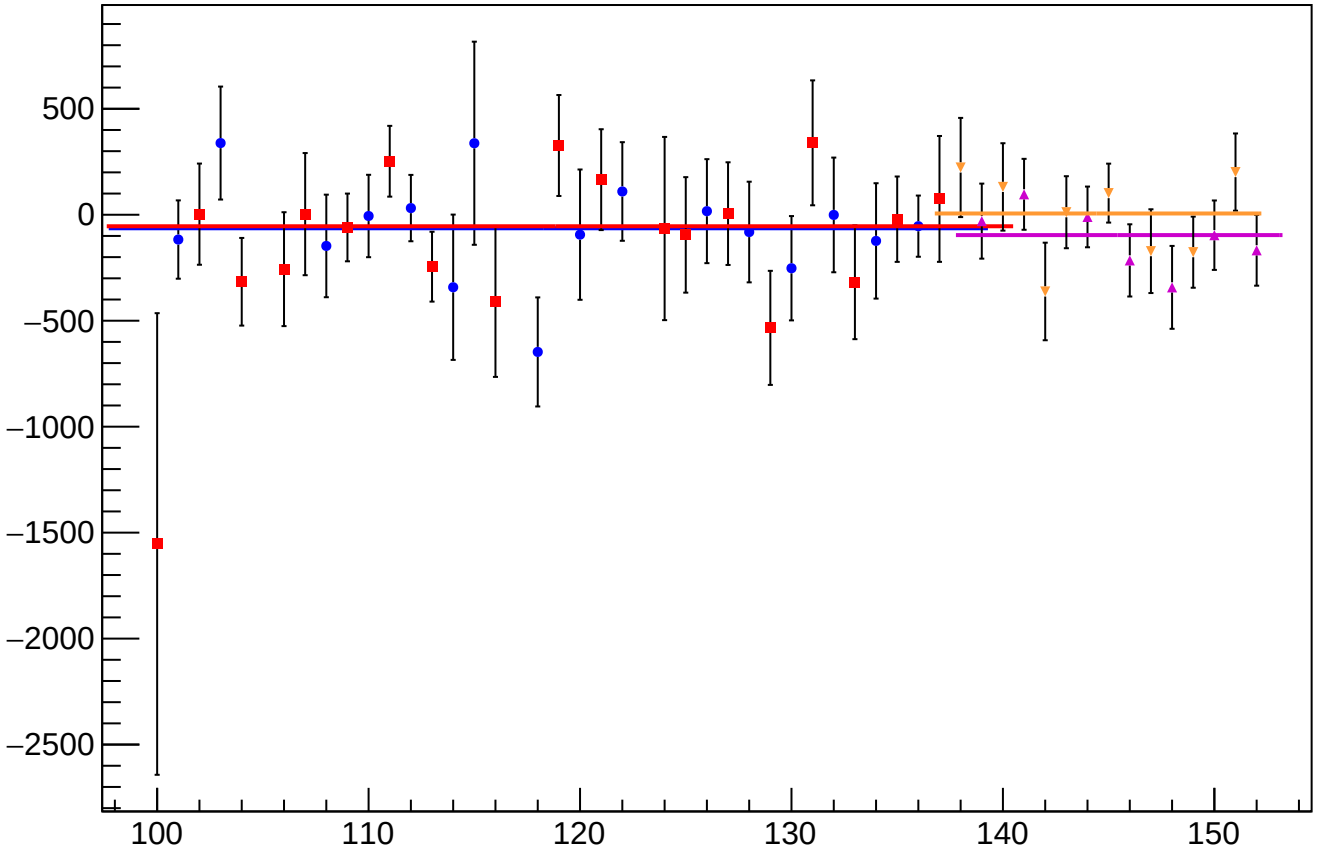
Left In: 1070.375+/-0.310 χ^2/NDF:277527.6/6

+ sign 1153.607+/-0.231 χ^2/NDF: 1731623.7/23

All: 1144.931+/-0.162 χ^2/NDF: 3510049.9/49

- sign 1136.599+/-0.227 χ^2/NDF: 1775668.9/25

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 5.973+/-64.793 χ^2/NDF:7.4/7

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

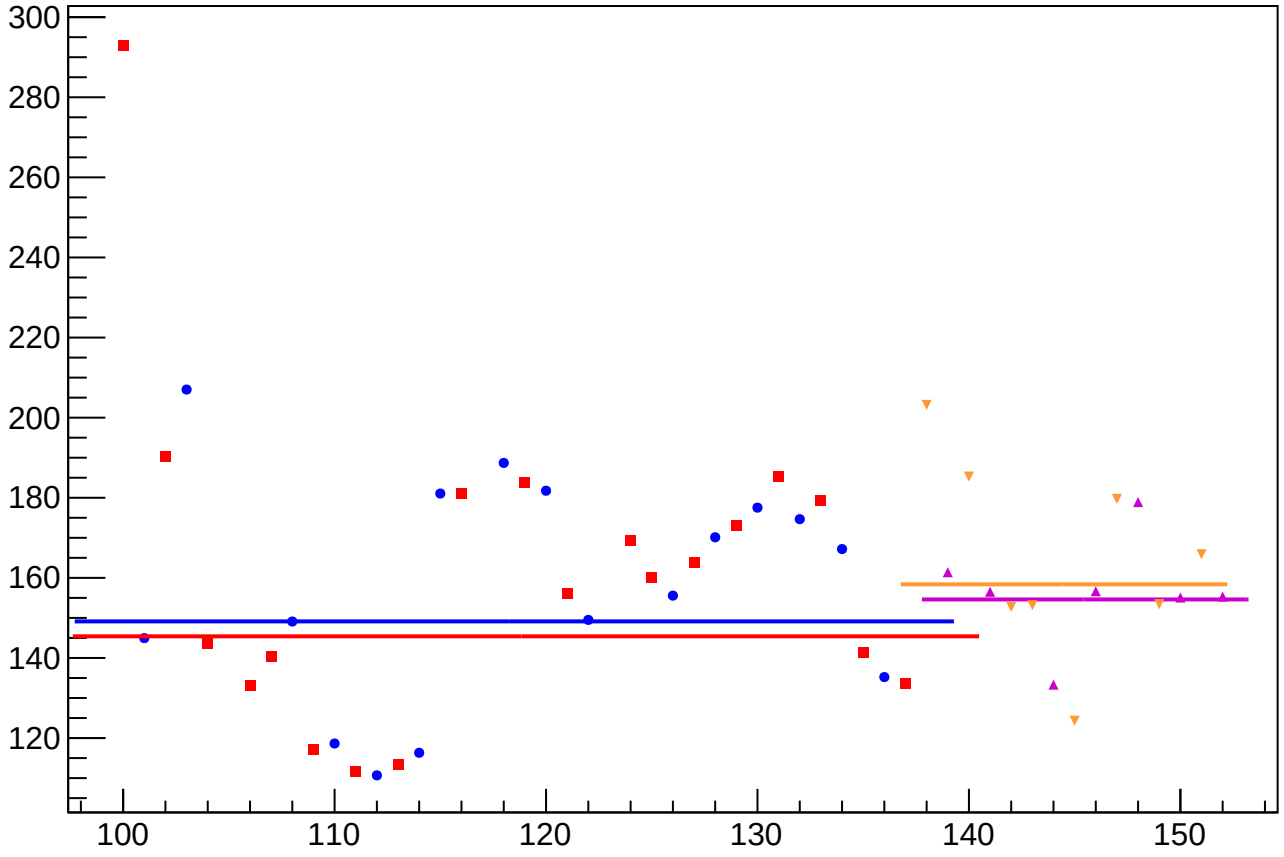
Left In: -95.976+/-63.235 χ^2/NDF:4.1/6

+ sign -33.510+/-42.683 χ^2/NDF: 18.9/23

All: -53.428+/-29.713 χ^2/NDF: 43.1/49

- sign -72.156+/-41.388 χ^2/NDF: 23.8/25

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.382+/-0.046 χ^2/NDF:258793.0/7

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

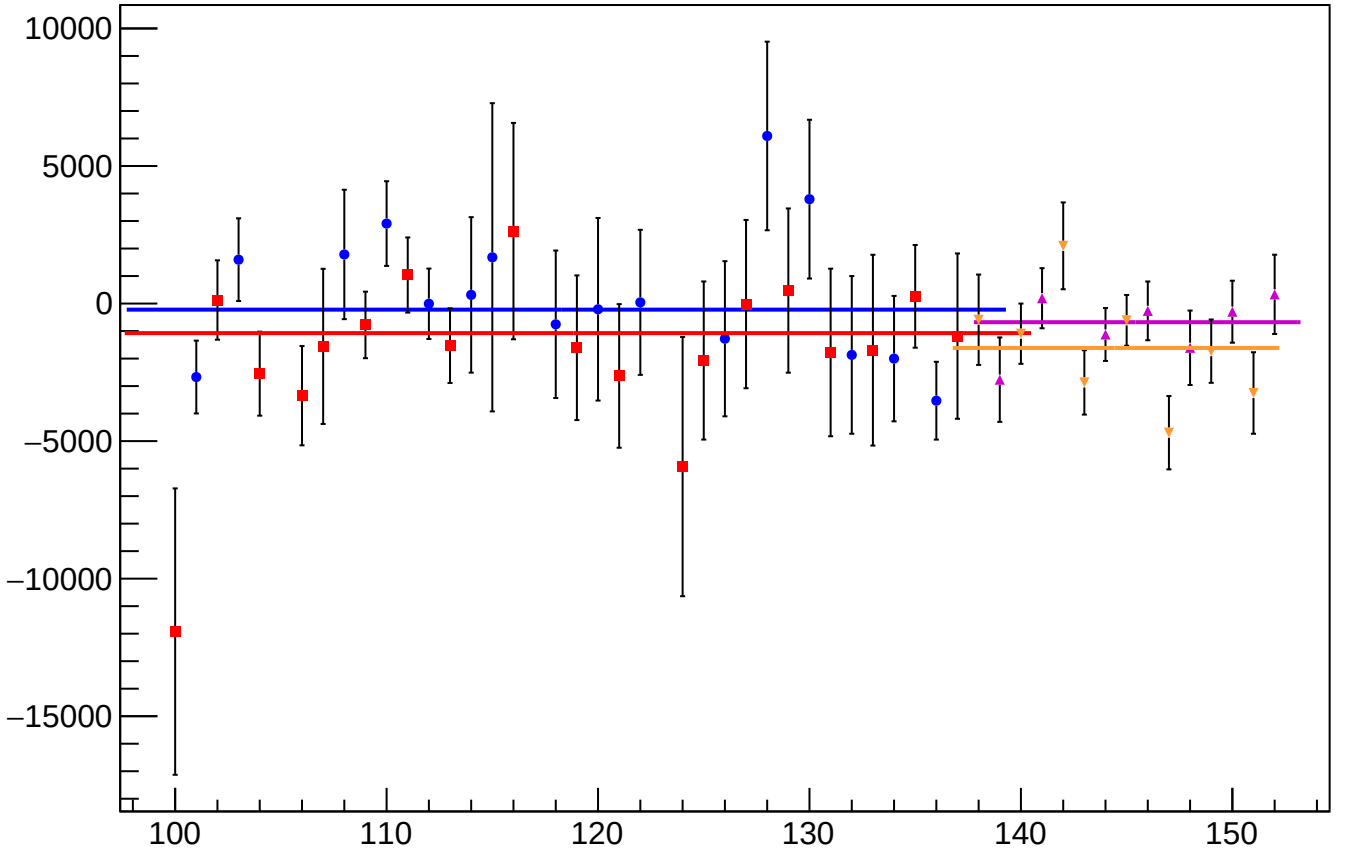
Left In: 154.610+/-0.045 χ^2/NDF:78564.8/6

+ sign 153.145+/-0.030 χ^2/NDF: 732876.8/23

All: 151.187+/-0.021 χ^2/NDF: 1369689.4/49

- sign 149.345+/-0.029 χ^2/NDF: 628642.0/25

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1614.169+/-434.984 χ^2/NDF:15.0/7

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

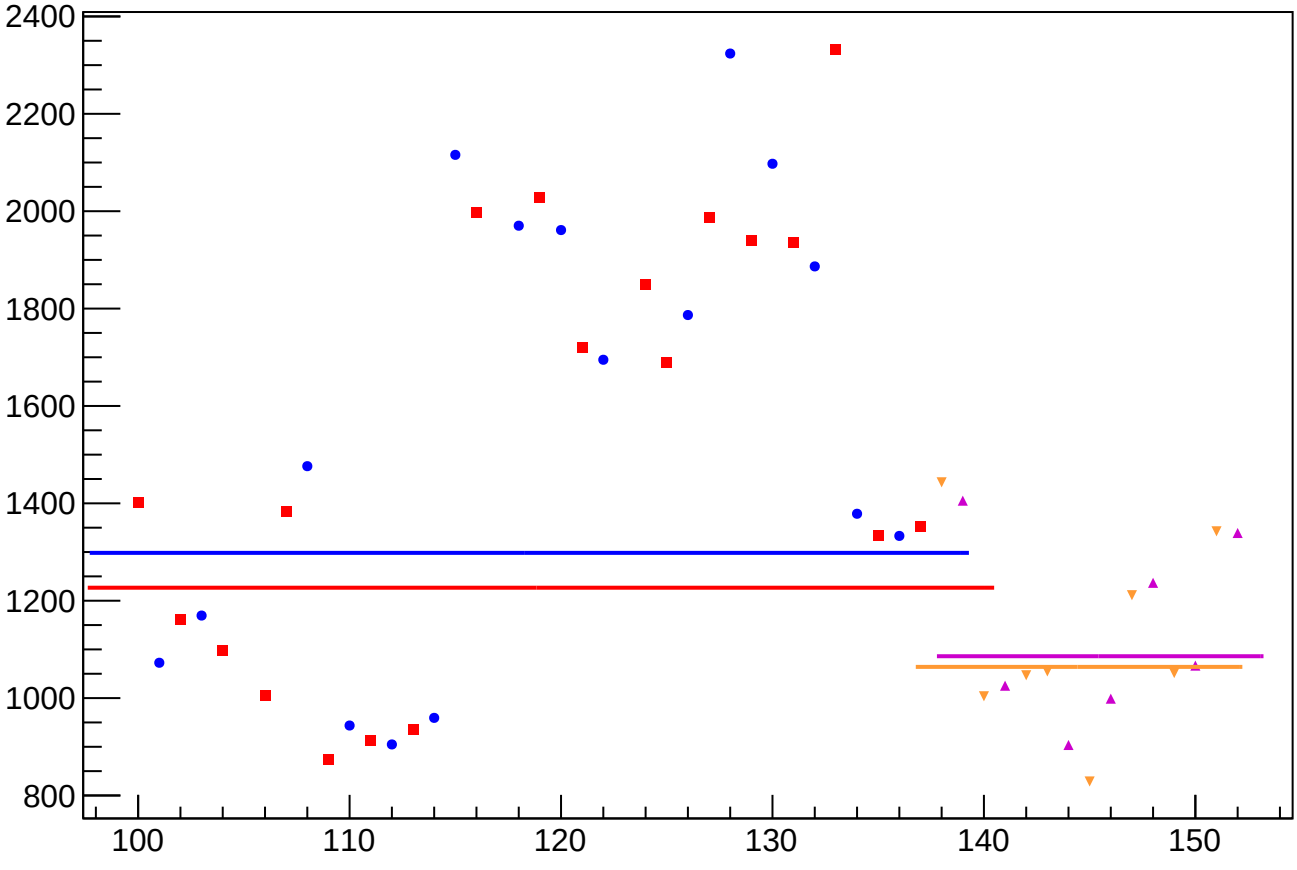
Left In: -677.259+/-445.557 χ^2/NDF:3.9/6

+ sign -1022.505+/-329.911 χ^2/NDF: 41.3/23

All: -941.919+/-231.260 χ^2/NDF: 59.3/49

- sign -864.067+/-324.265 χ^2/NDF: 17.9/25

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1064.108+/-0.308 χ^2/NDF:338345.5/7

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

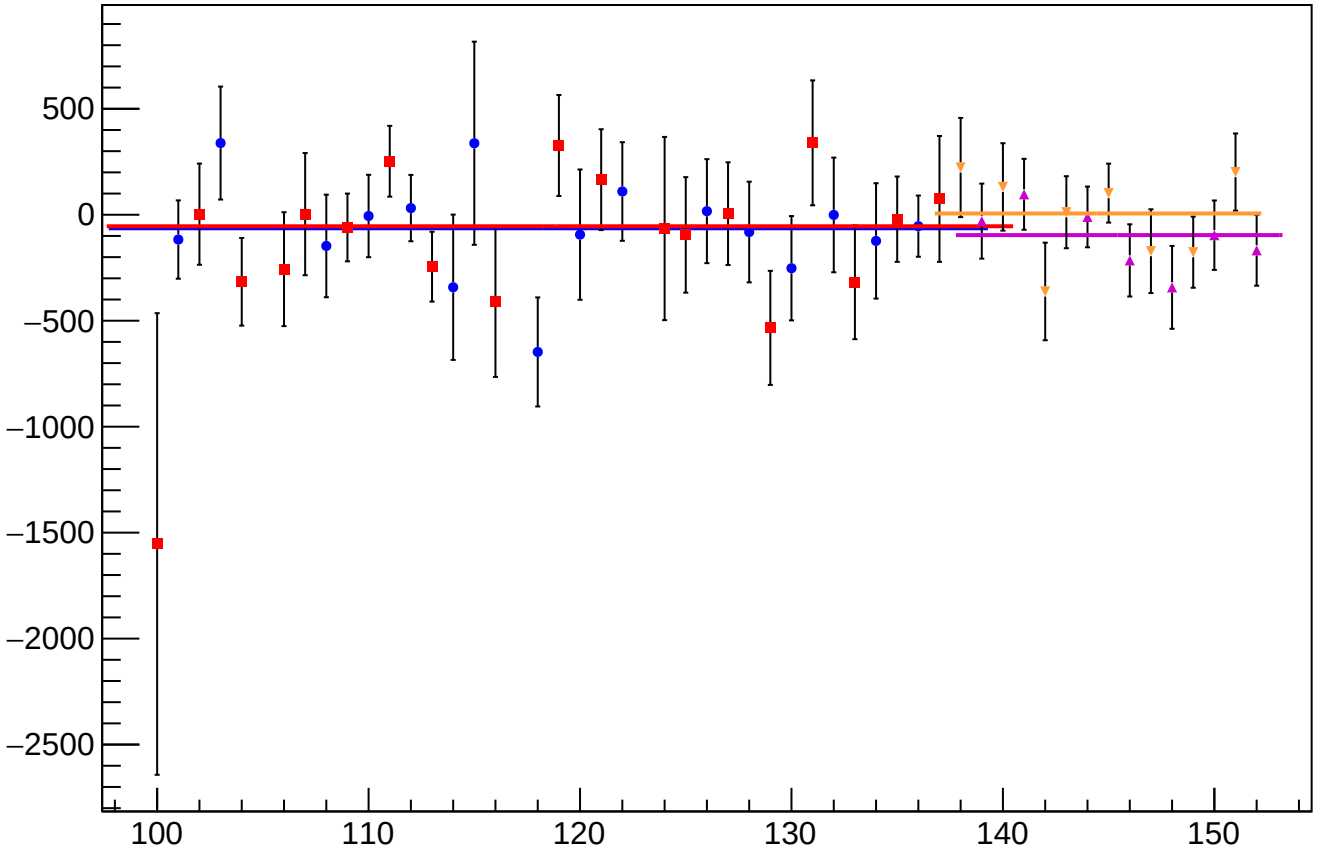
Left In: 1086.004+/-0.315 χ^2/NDF:265092.3/6

+ sign 1163.581+/-0.233 χ^2/NDF: 1766703.2/23

All: 1157.789+/-0.164 χ^2/NDF: 3531367.4/49

- sign 1152.193+/-0.229 χ^2/NDF: 1763452.1/25

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 5.973+/-64.793 χ^2/NDF:7.4/7

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

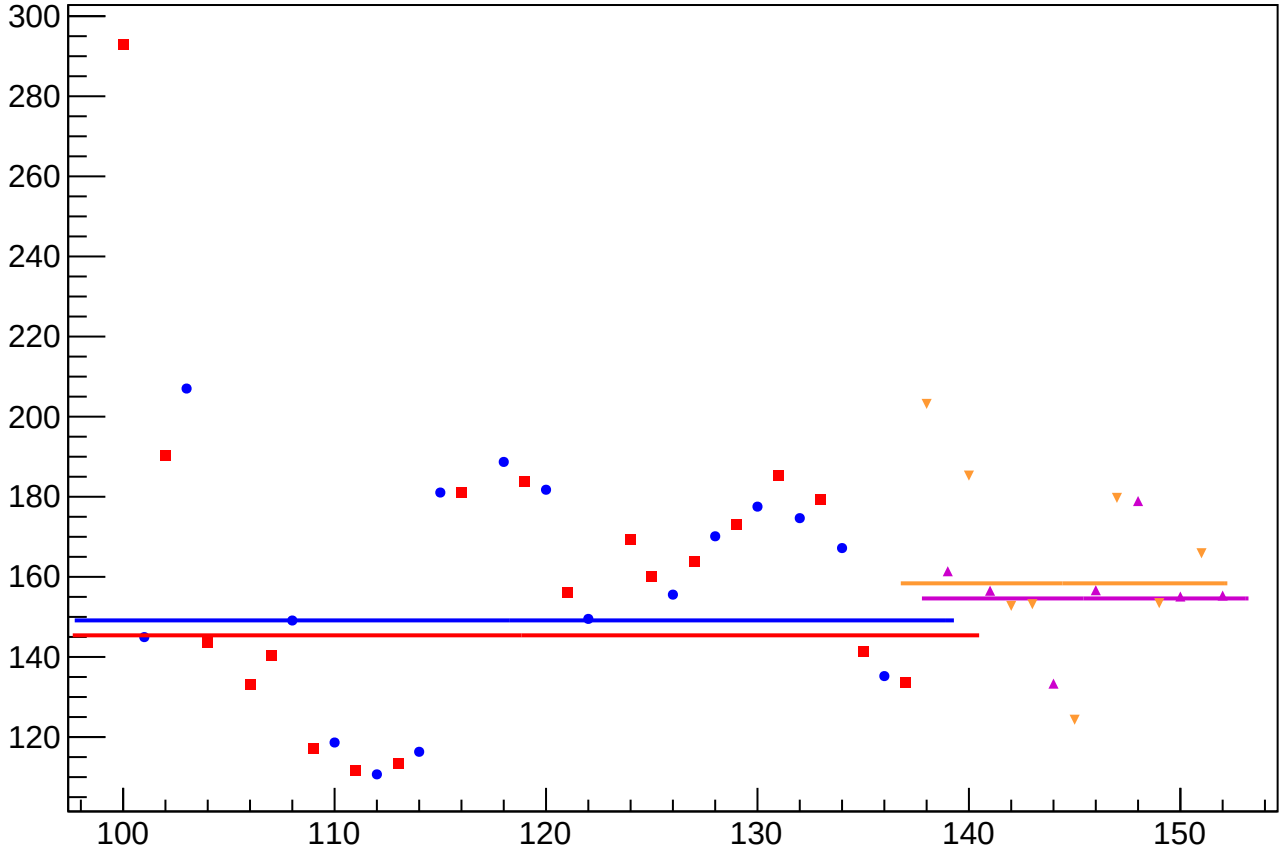
Left In: -95.978+/-63.235 χ^2/NDF:4.1/6

+ sign -33.508+/-42.683 χ^2/NDF: 18.9/23

All: -53.428+/-29.713 χ^2/NDF: 43.1/49

- sign -72.157+/-41.388 χ^2/NDF: 23.8/25

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.382+/-0.046 χ^2/NDF:258786.9/7

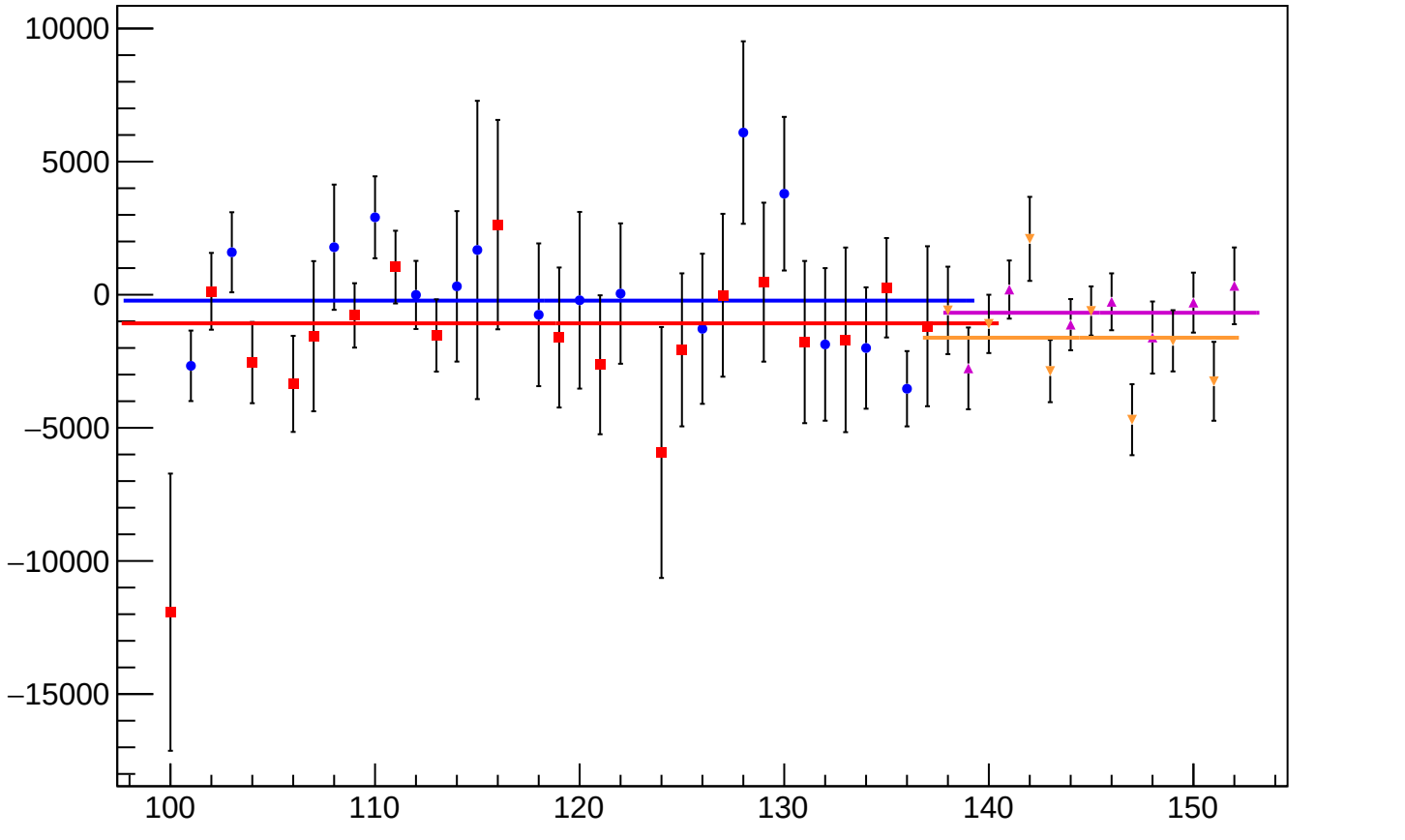
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 154.611+/-0.045 χ^2/NDF:78563.2/6

+ sign 153.145+/-0.030 χ^2/NDF: 732874.3/23

All: 151.187+/-0.021 χ^2/NDF: 1369689.9/49

- sign 149.345+/-0.029 χ^2/NDF: 628644.8/25



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1614.168+/-434.983 χ^2/NDF:15.0/7

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

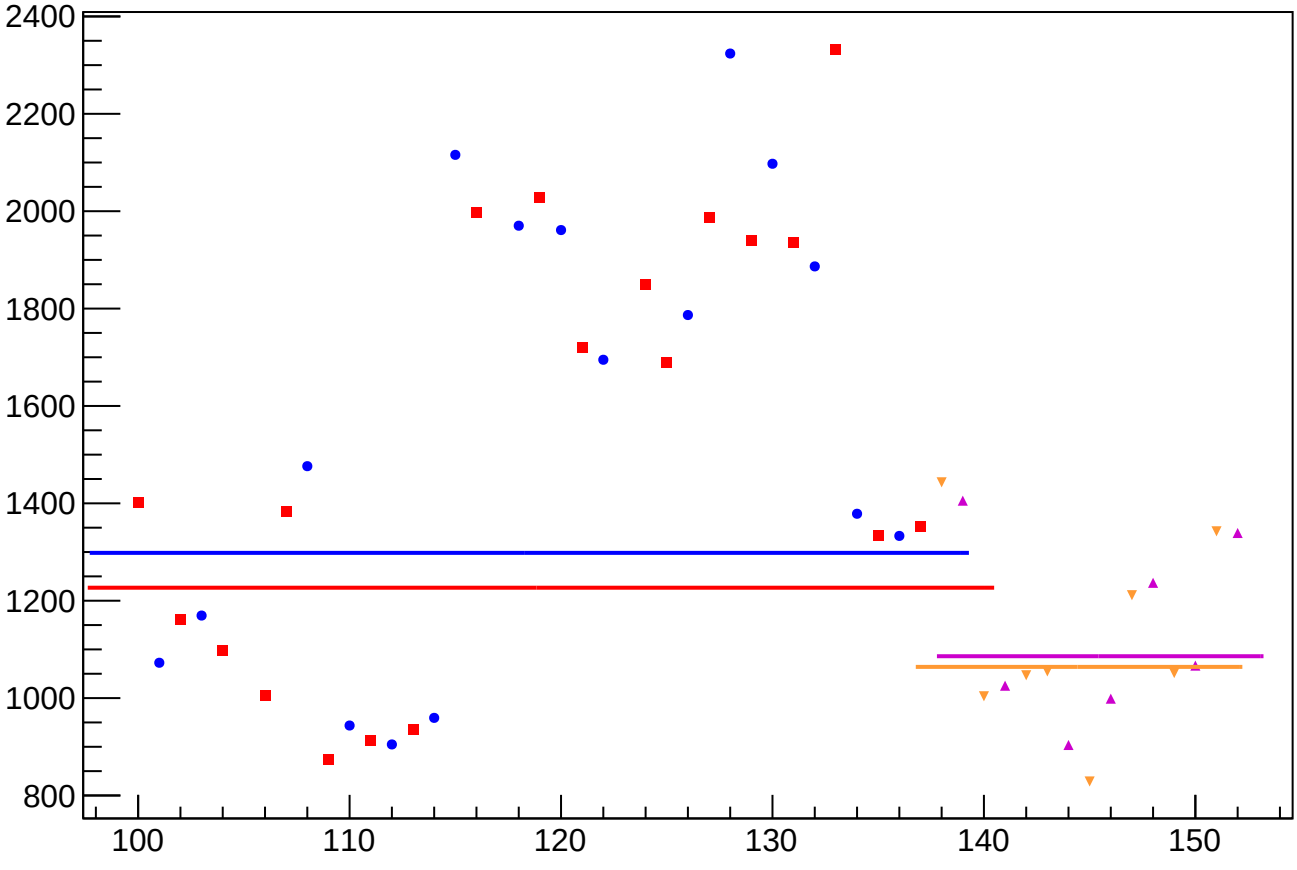
Left In: -677.258+/-445.557 χ^2/NDF:3.9/6

+ sign -1022.503+/-329.911 χ^2/NDF: 41.3/23

All: -941.918+/-231.260 χ^2/NDF: 59.3/49

- sign -864.066+/-324.265 χ^2/NDF: 17.9/25

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1064.106+/-0.308 χ^2/NDF:338348.1/7

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

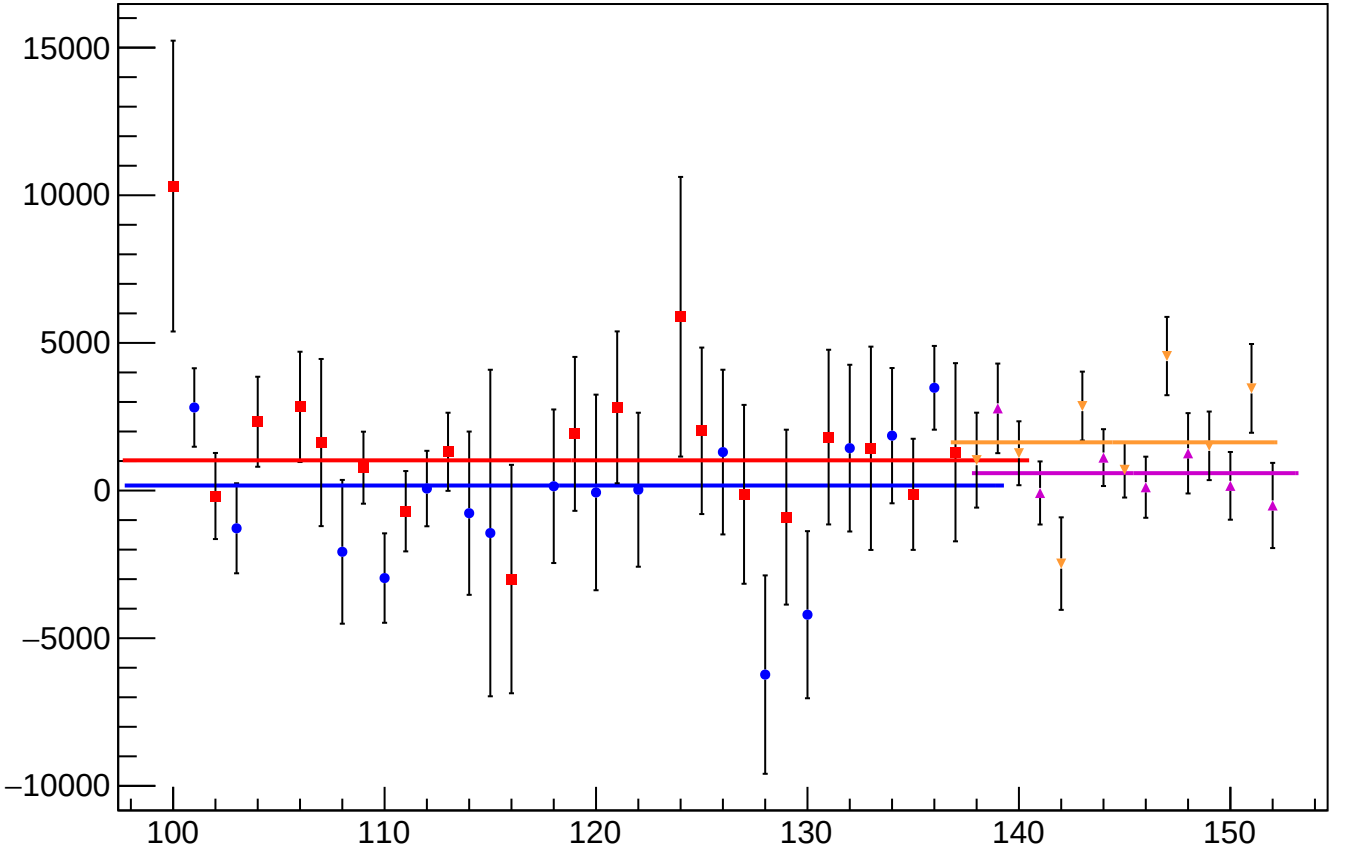
Left In: 1086.003+/-0.315 χ^2/NDF:265091.6/6

+ sign 1163.580+/-0.233 χ^2/NDF: 1766710.6/23

All: 1157.787+/-0.164 χ^2/NDF: 3531376.4/49

- sign 1152.192+/-0.229 χ^2/NDF: 1763453.8/25

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1633.375+/-435.396 χ^2/NDF:15.6/7

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

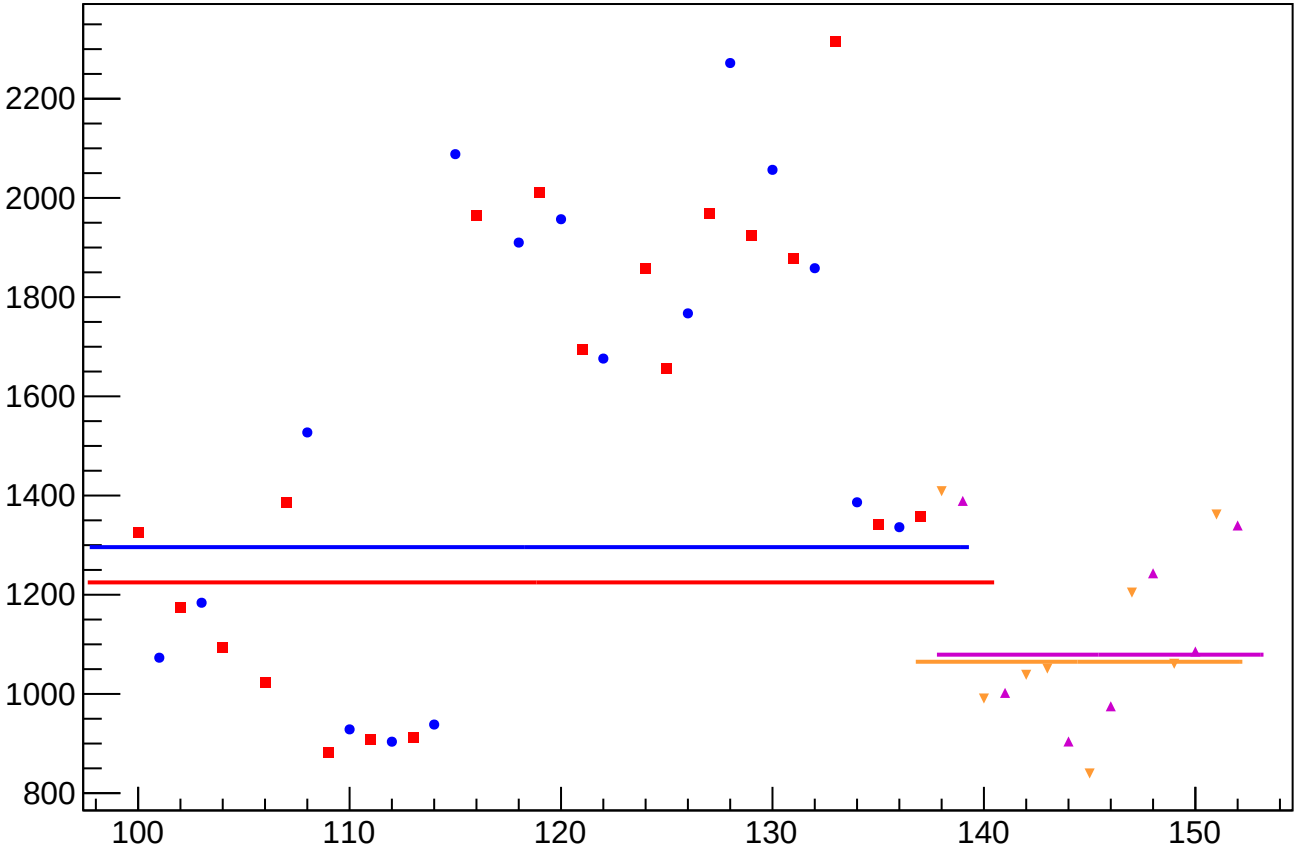
Left In: 589.346+/-442.570 χ^2/NDF:4.0/6

+ sign 1010.054+/-329.794 χ^2/NDF: 43.0/23

All: 898.991+/-230.705 χ^2/NDF: 59.1/49

- sign 792.556+/-322.850 χ^2/NDF: 16.0/25

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1064.913+/-0.308 χ^2/NDF:317395.4/7

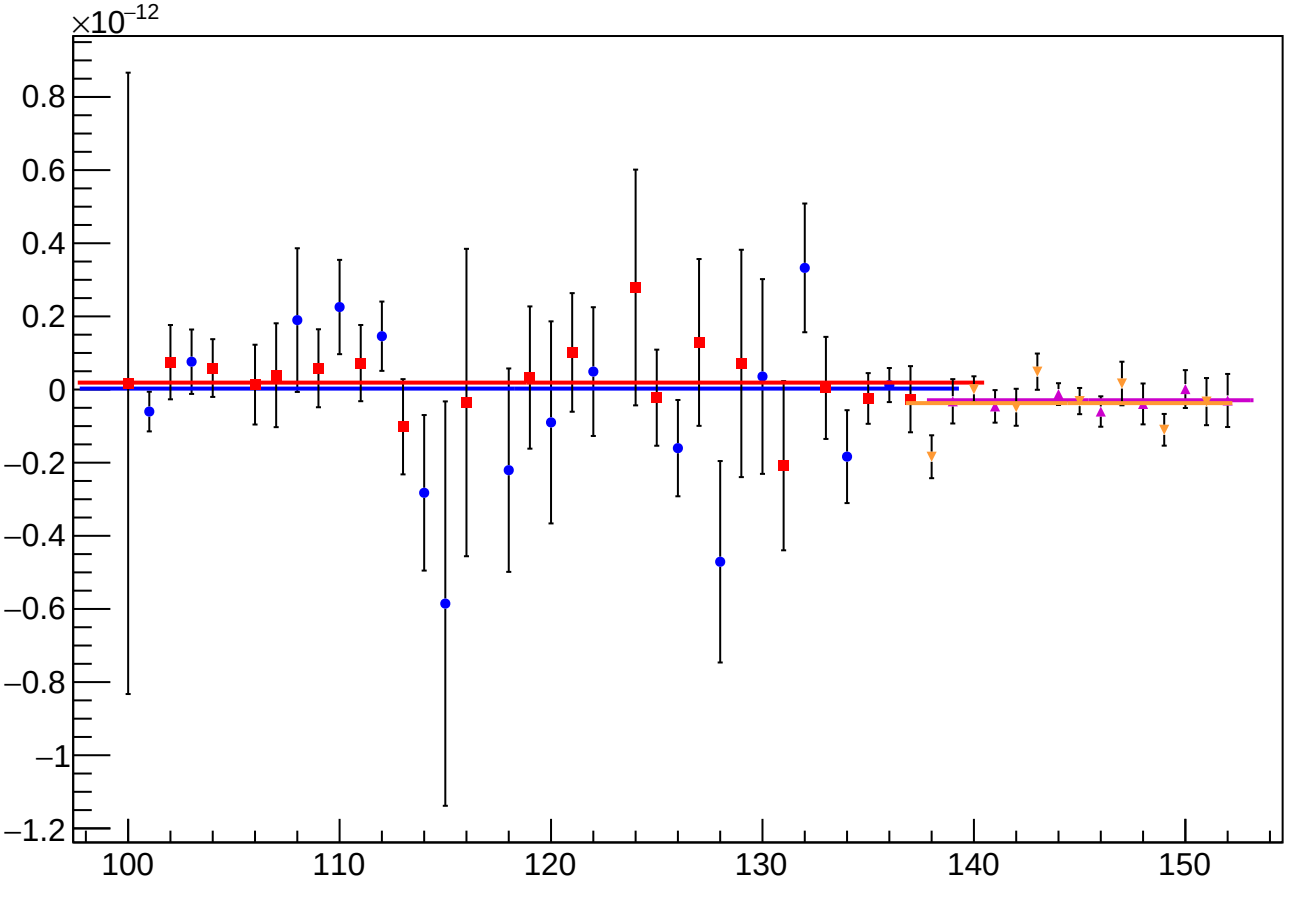
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1079.176+/-0.313 χ^2/NDF:274657.3/6

+ sign 1163.410+/-0.233 χ^2/NDF: 1711704.6/23

All: 1155.203+/-0.163 χ^2/NDF: 3461477.3/49

- sign 1147.339+/-0.228 χ^2/NDF: 1747347.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/7

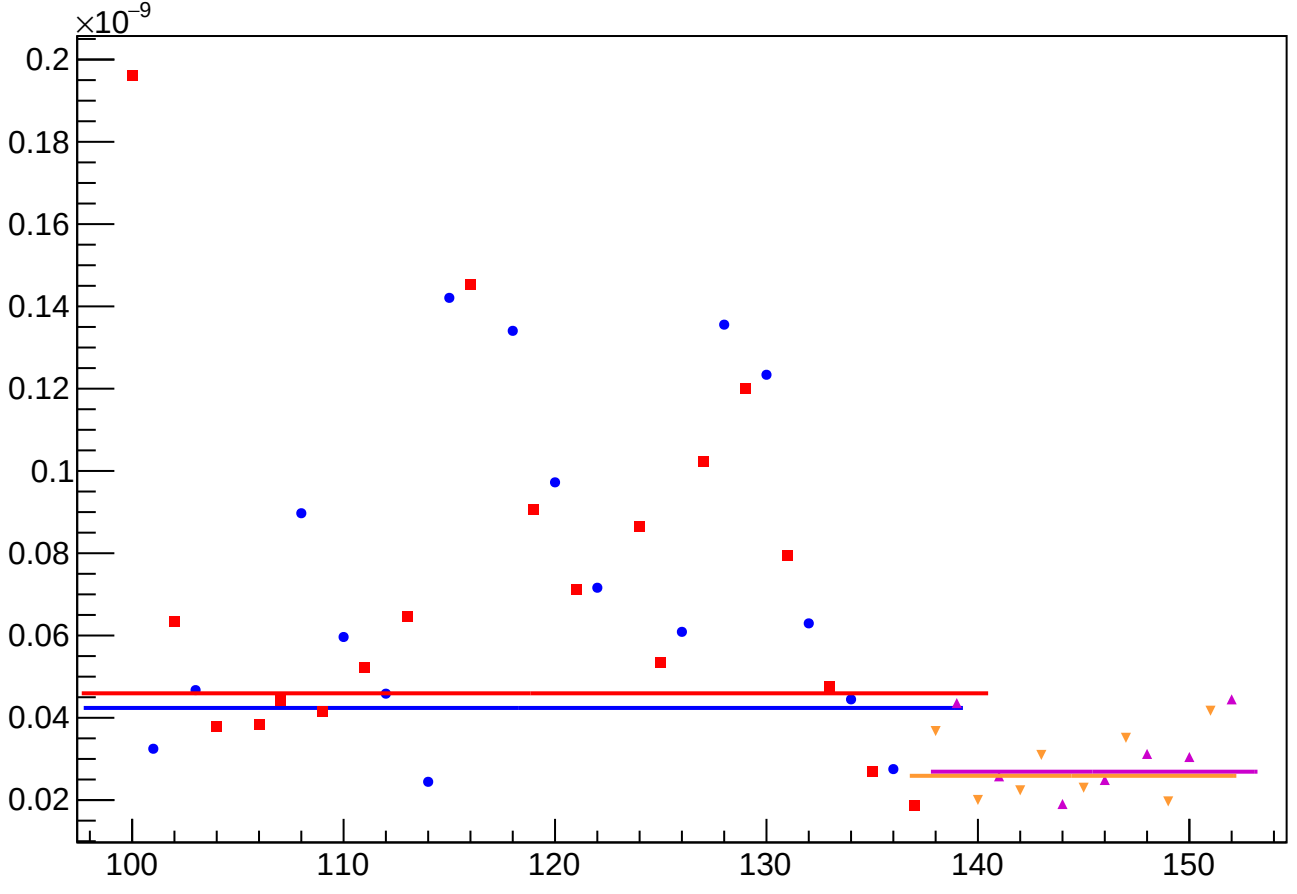
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 37.9/23

All: -0.000+/-0.000 χ^2/NDF: 46.3/49

- sign -0.000+/-0.000 χ^2/NDF: 8.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:377474.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

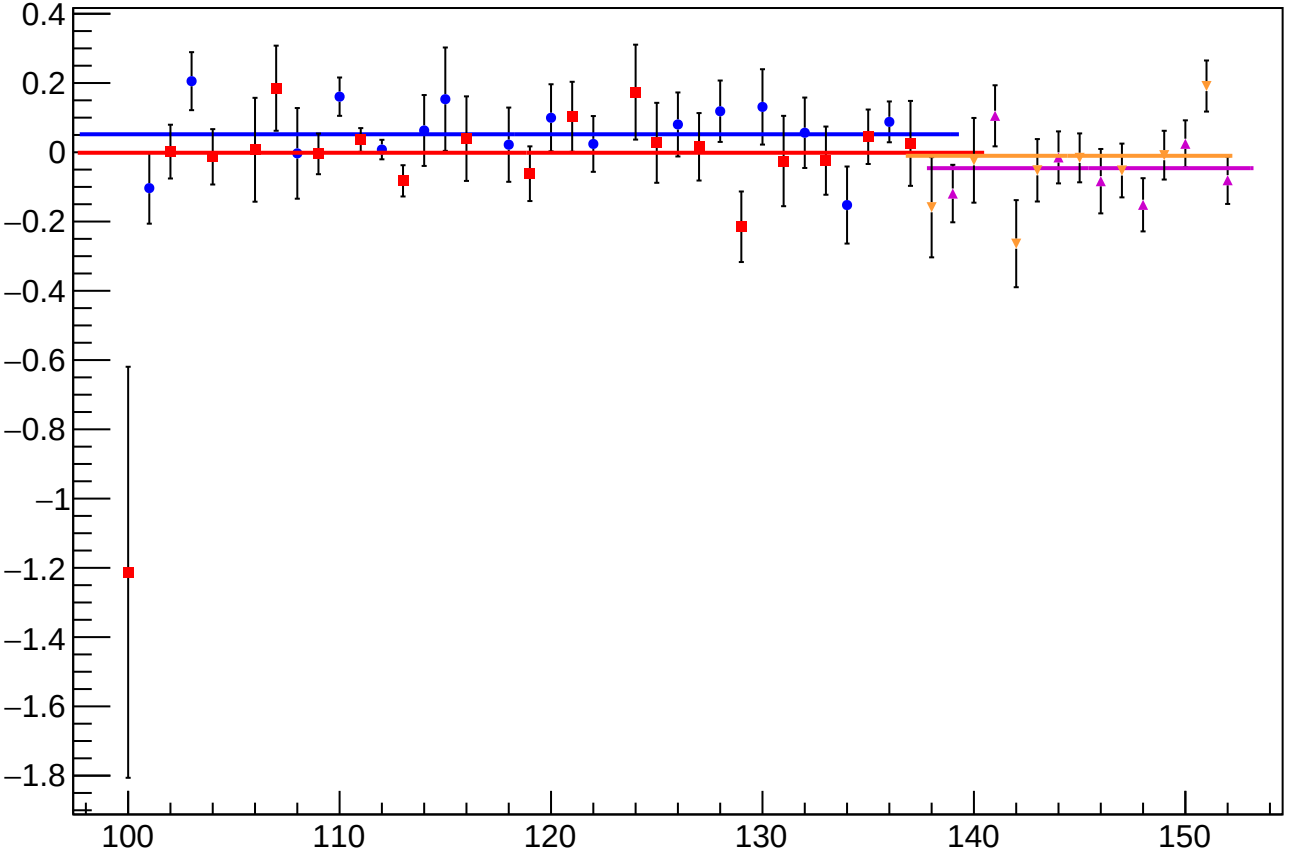
Left In: 0.000+/-0.000 χ^2/NDF:435489.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 2269375.9/23

All: 0.000+/-0.000 χ^2/NDF: 4476379.0/49

- sign 0.000+/-0.000 χ^2/NDF: 2195862.2/25

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: -0.010+/-0.031 χ^2/NDF:13.1/7

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

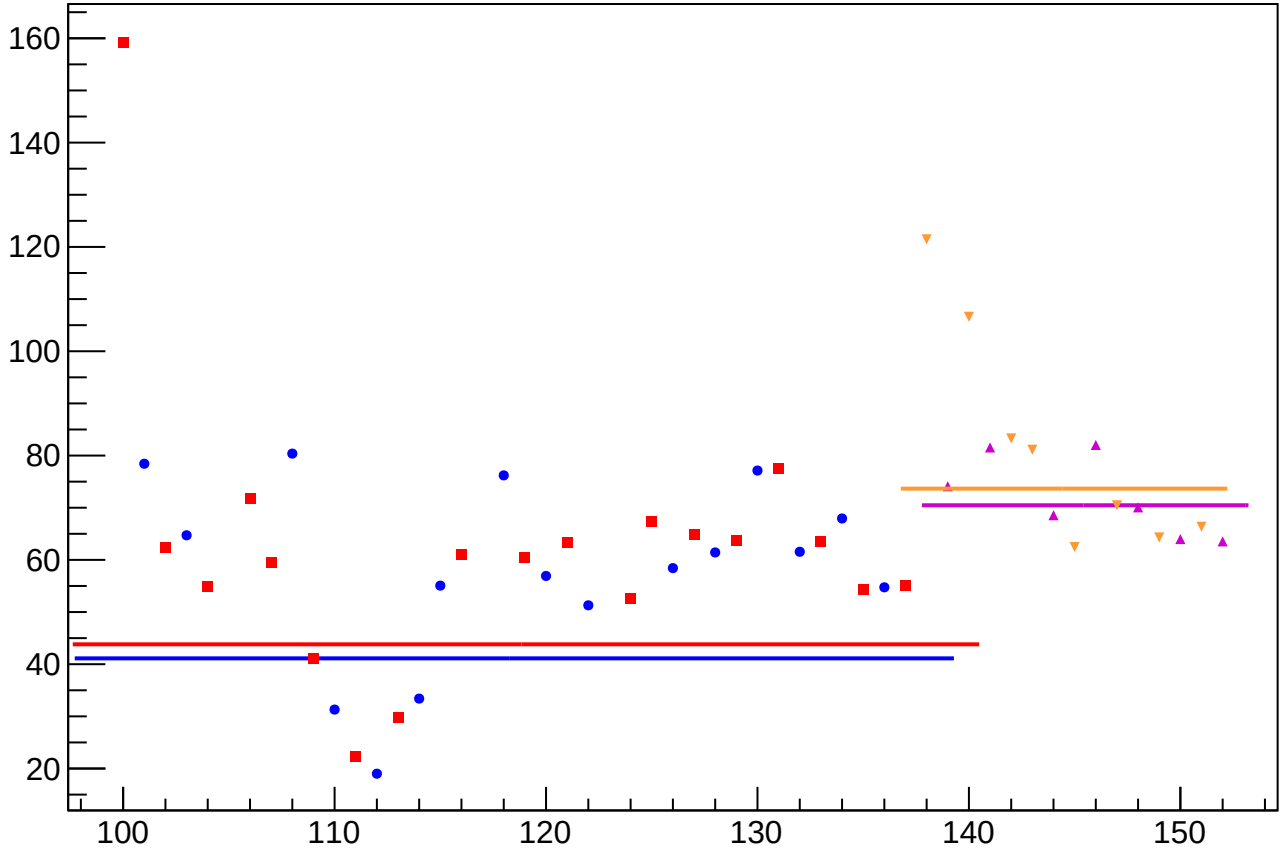
Left In: -0.046+/-0.029 χ^2/NDF:7.3/6

+ sign 0.036+/-0.015 χ^2/NDF: 34.1/23

All: 0.011+/-0.011 χ^2/NDF: 67.7/49

- sign -0.014+/-0.015 χ^2/NDF: 28.2/25

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: 73.663+/-0.022 χ^2/NDF:497295.3/7

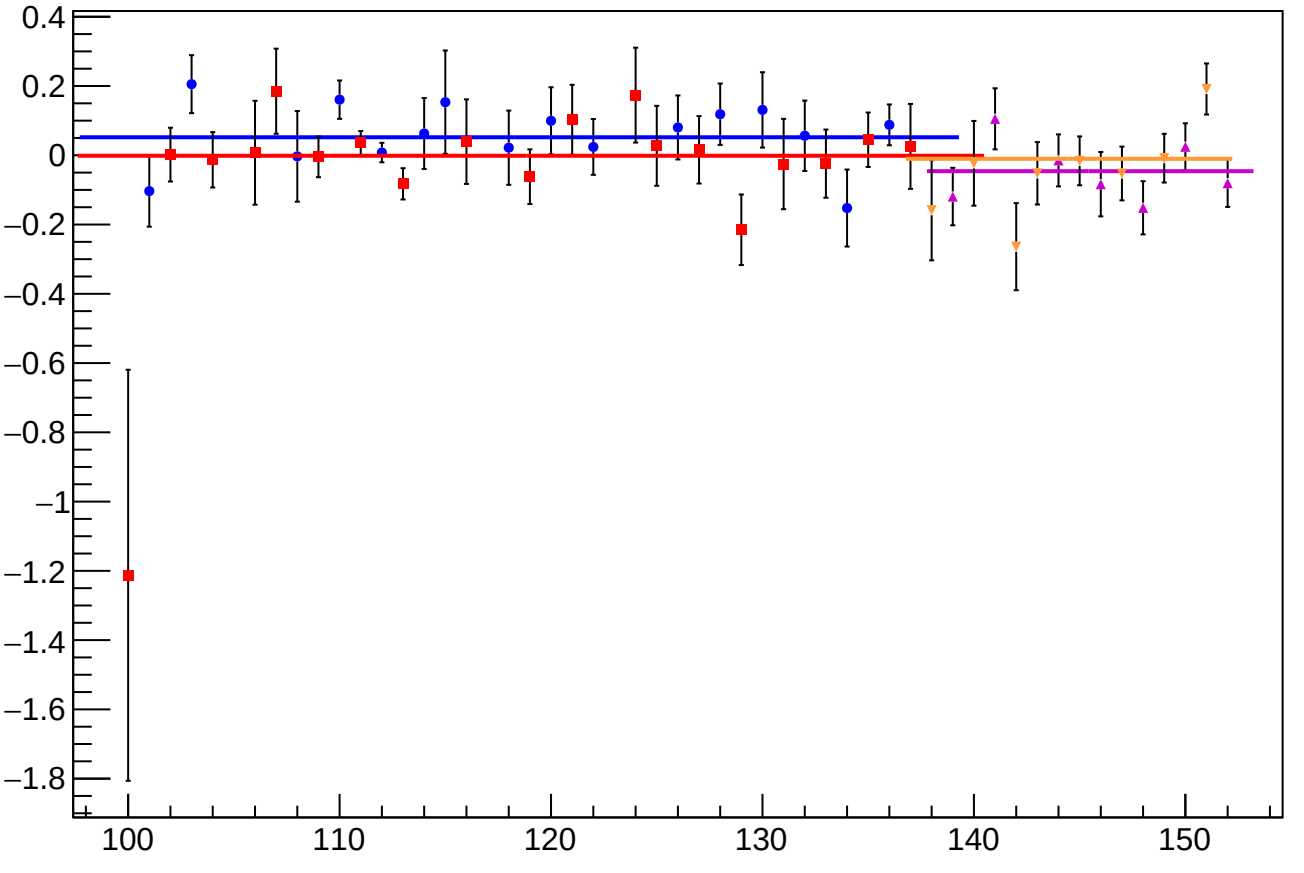
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.473+/-0.021 χ^2/NDF:106423.7/6

+ sign 49.242+/-0.011 χ^2/NDF: 5096267.9/23

All: 50.170+/-0.008 χ^2/NDF: 8471995.2/49

- sign 51.086+/-0.011 χ^2/NDF: 3361290.6/25



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.010+/-0.031 χ^2/NDF:13.1/7

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

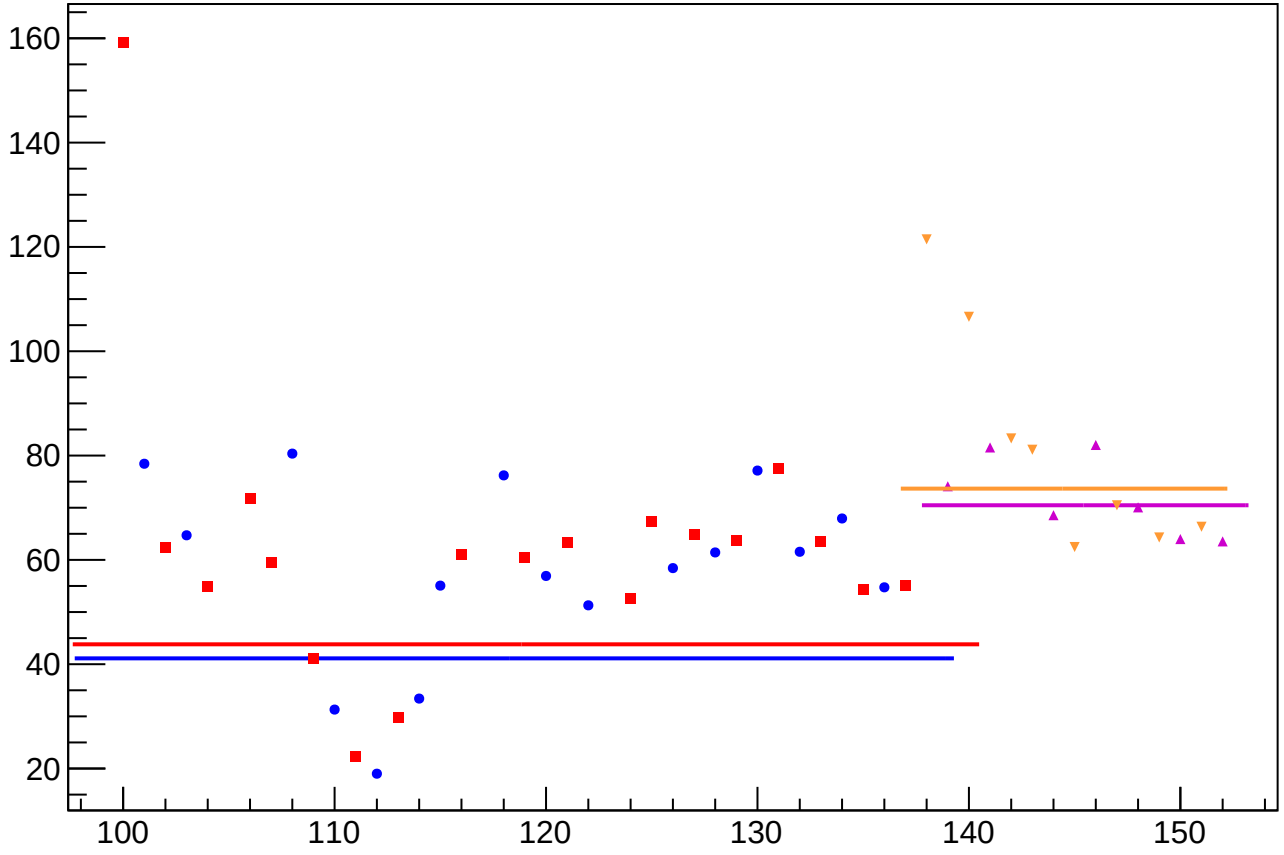
Left In: -0.046+/-0.029 χ^2/NDF:7.3/6

+ sign 0.036+/-0.015 χ^2/NDF: 34.1/23

All: 0.011+/-0.011 χ^2/NDF: 67.7/49

- sign -0.014+/-0.015 χ^2/NDF: 28.2/25

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: 73.663+/-0.022 χ^2/NDF:497295.3/7

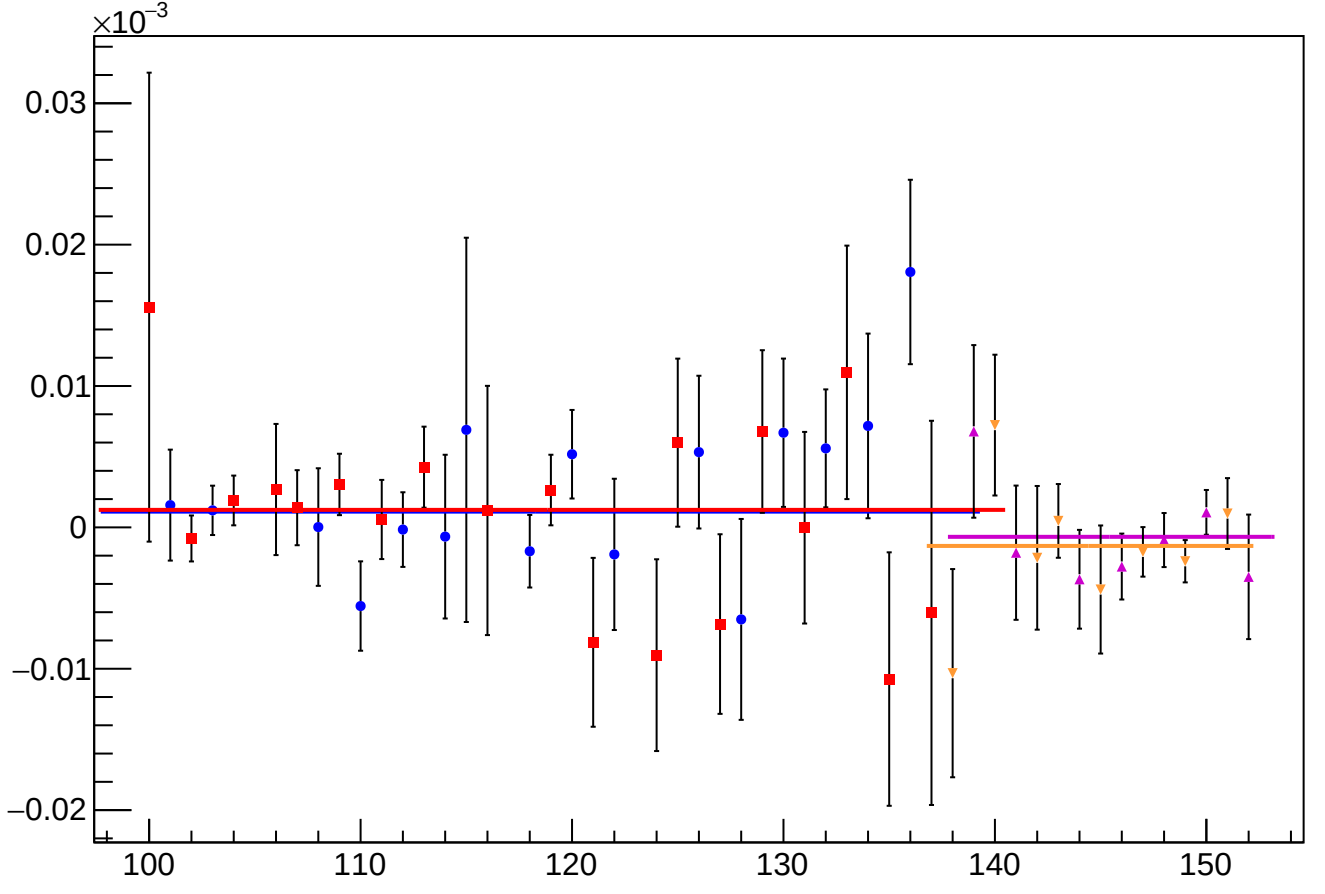
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.473+/-0.021 χ^2/NDF:106423.7/6

+ sign 49.242+/-0.011 χ^2/NDF: 5096267.9/23

All: 50.170+/-0.008 χ^2/NDF: 8471995.2/49

- sign 51.086+/-0.011 χ^2/NDF: 3361290.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/7

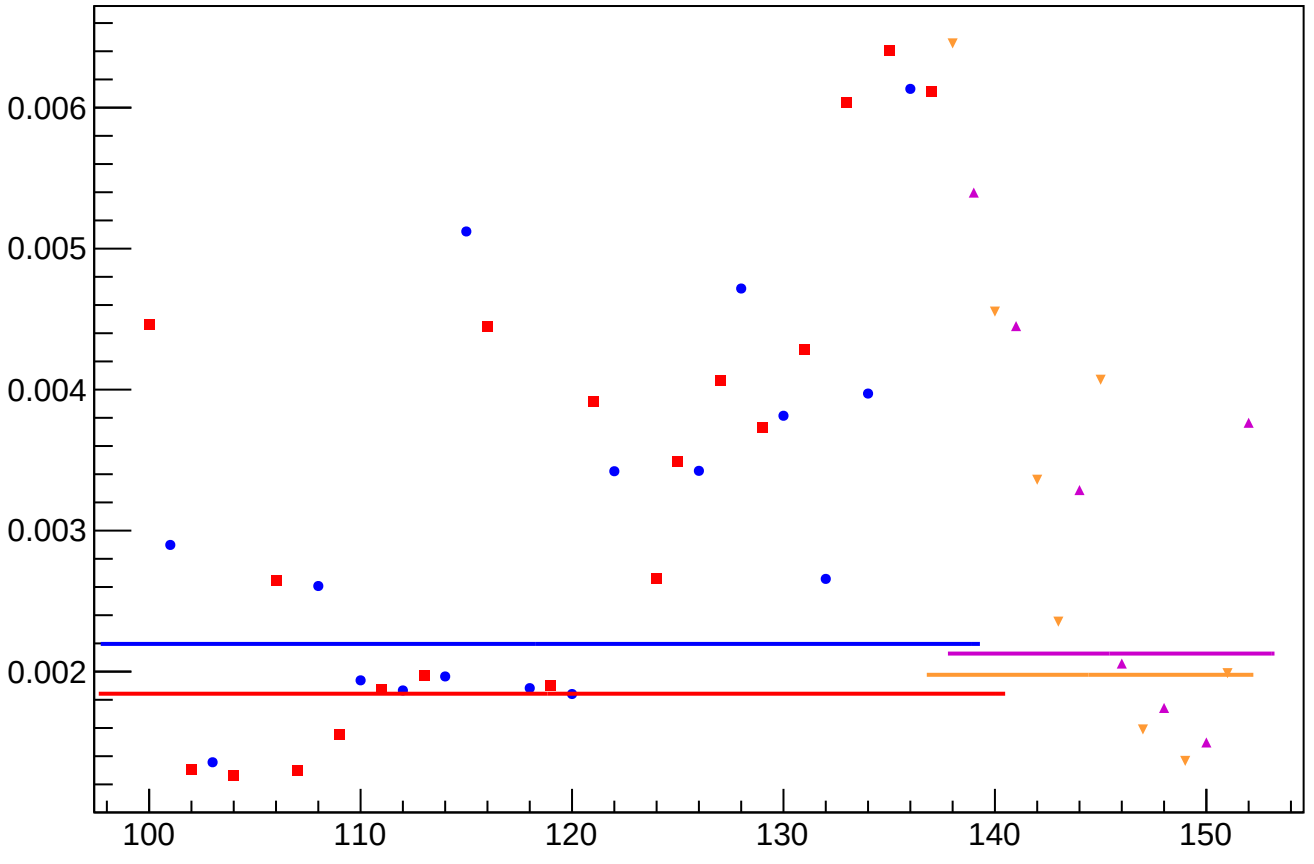
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 30.3/23

All: 0.000+/-0.000 χ^2/NDF: 53.8/49

- sign 0.000+/-0.000 χ^2/NDF: 23.0/25



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2322836.4/7

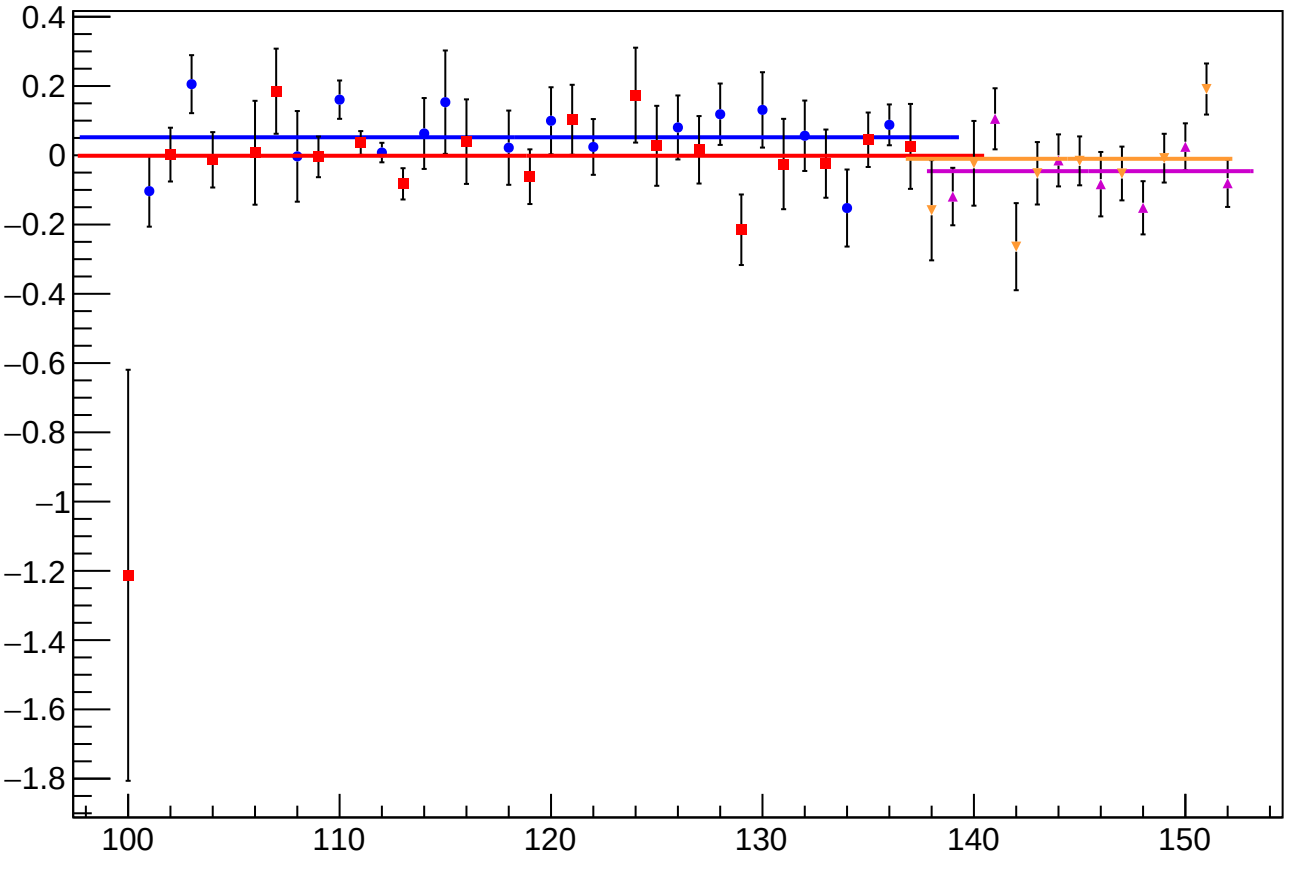
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1949350.9/6

+ sign 0.002+/-0.000 χ^2/NDF: 4674270.2/23

All: 0.002+/-0.000 χ^2/NDF: 9914278.6/49

- sign 0.002+/-0.000 χ^2/NDF: 5193210.2/25



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.010+/-0.031 χ^2/NDF:13.1/7

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

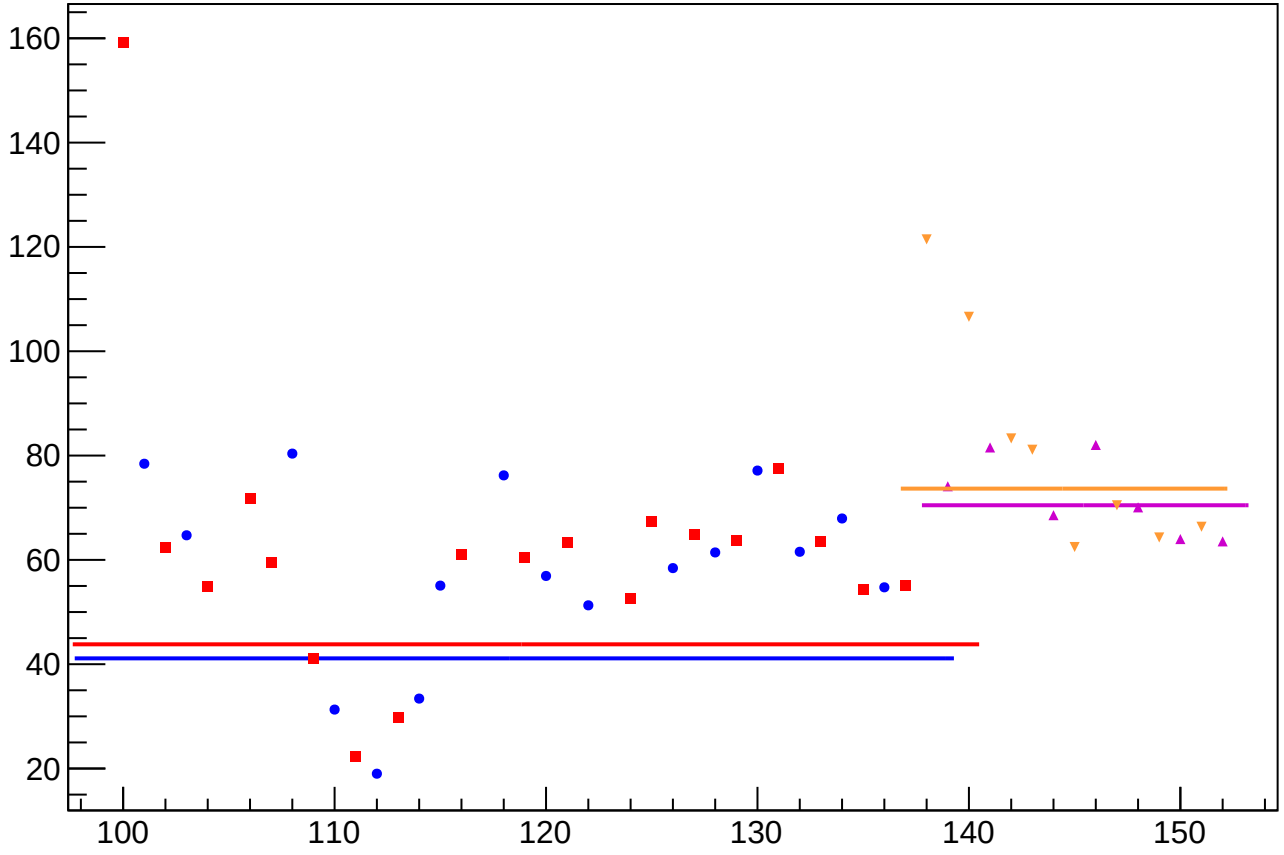
Left In: -0.046+/-0.029 χ^2/NDF:7.3/6

+ sign 0.036+/-0.015 χ^2/NDF: 34.1/23

All: 0.011+/-0.011 χ^2/NDF: 67.7/49

- sign -0.014+/-0.015 χ^2/NDF: 28.2/25

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: 73.664+/-0.022 χ^2/NDF:497271.3/7

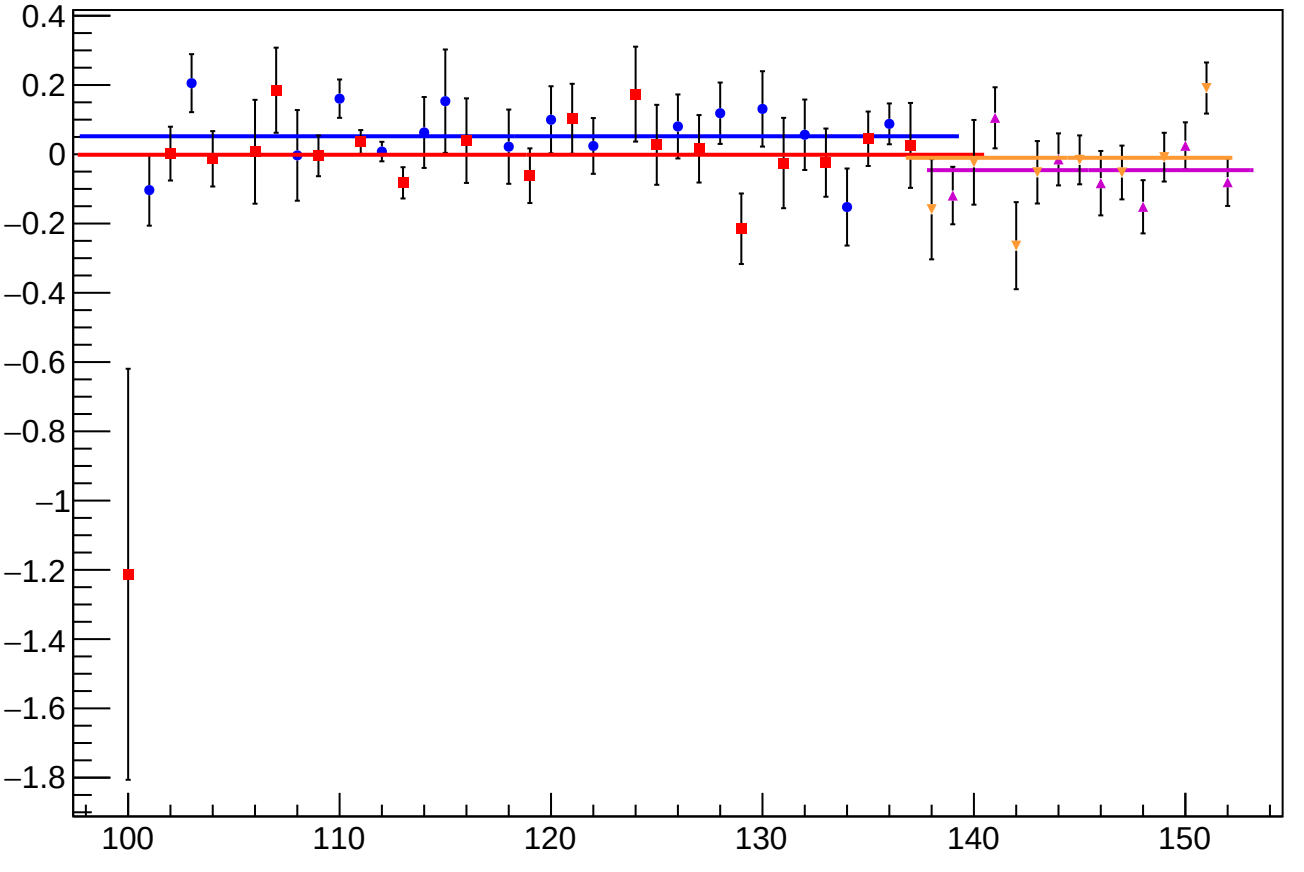
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.473+/-0.021 χ^2/NDF:106421.6/6

+ sign 49.241+/-0.011 χ^2/NDF: 5096574.6/23

All: 50.170+/-0.008 χ^2/NDF: 8472615.7/49

- sign 51.085+/-0.011 χ^2/NDF: 3361602.8/25



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.010+/-0.031 χ^2/NDF:13.1/7

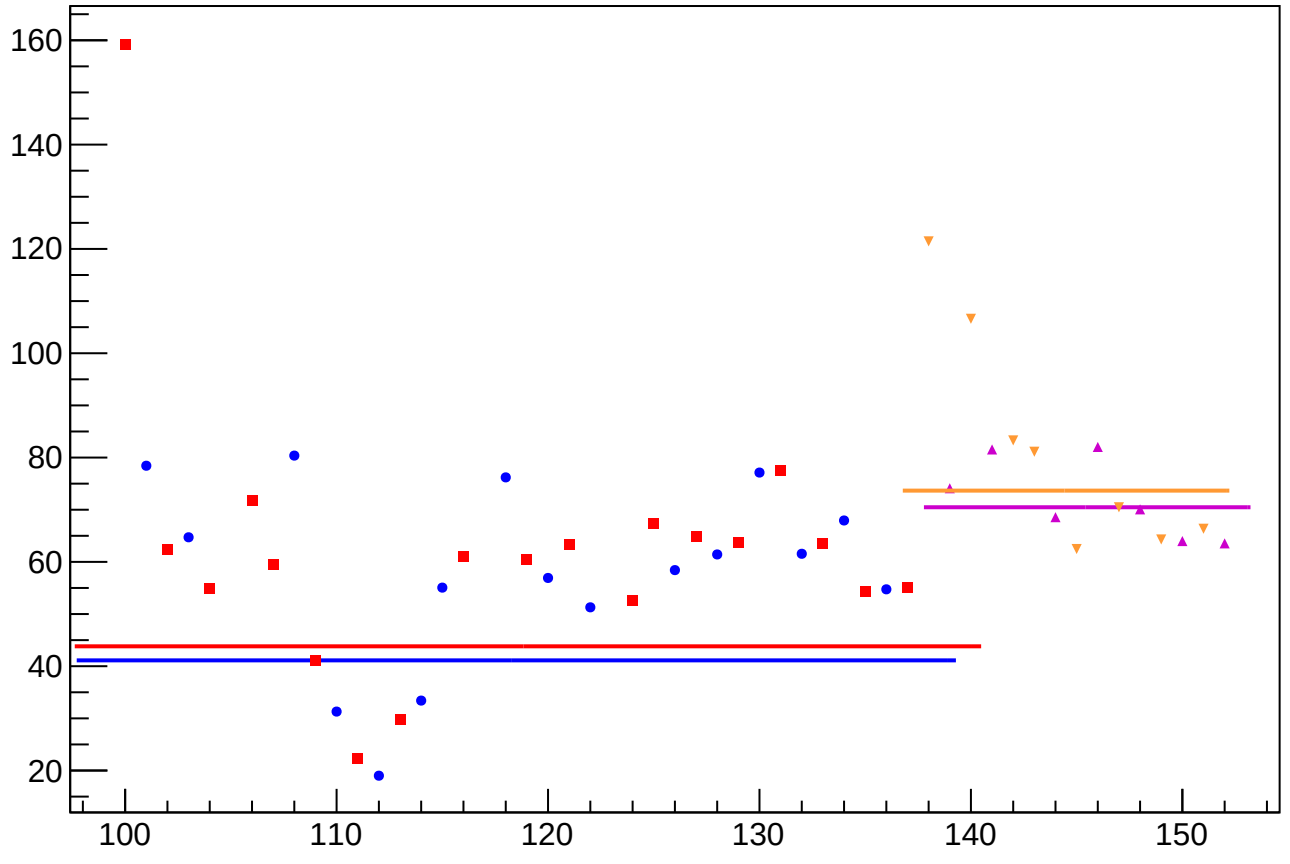
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.046+/-0.029 χ^2/NDF:7.3/6

+ sign 0.036+/-0.015 χ^2/NDF: 34.1/23

All: 0.011+/-0.011 χ^2/NDF: 67.7/49

- sign -0.014+/-0.015 χ^2/NDF: 28.2/25



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 73.664+/-0.022 χ^2/NDF:497271.3/7

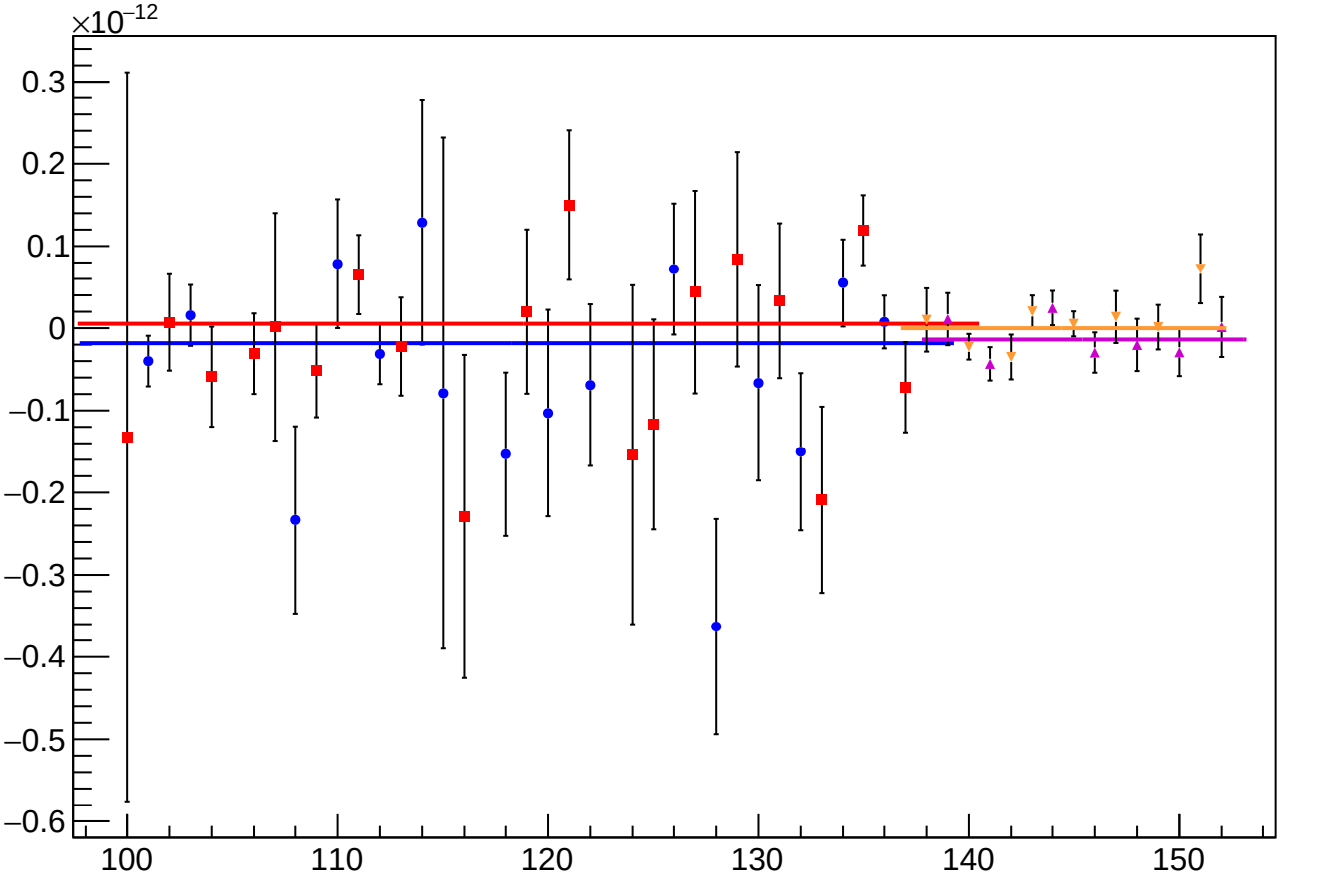
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.473+/-0.021 χ^2/NDF:106421.6/6

+ sign 49.241+/-0.011 χ^2/NDF: 5096574.6/23

All: 50.170+/-0.008 χ^2/NDF: 8472615.7/49

- sign 51.085+/-0.011 χ^2/NDF: 3361602.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/7

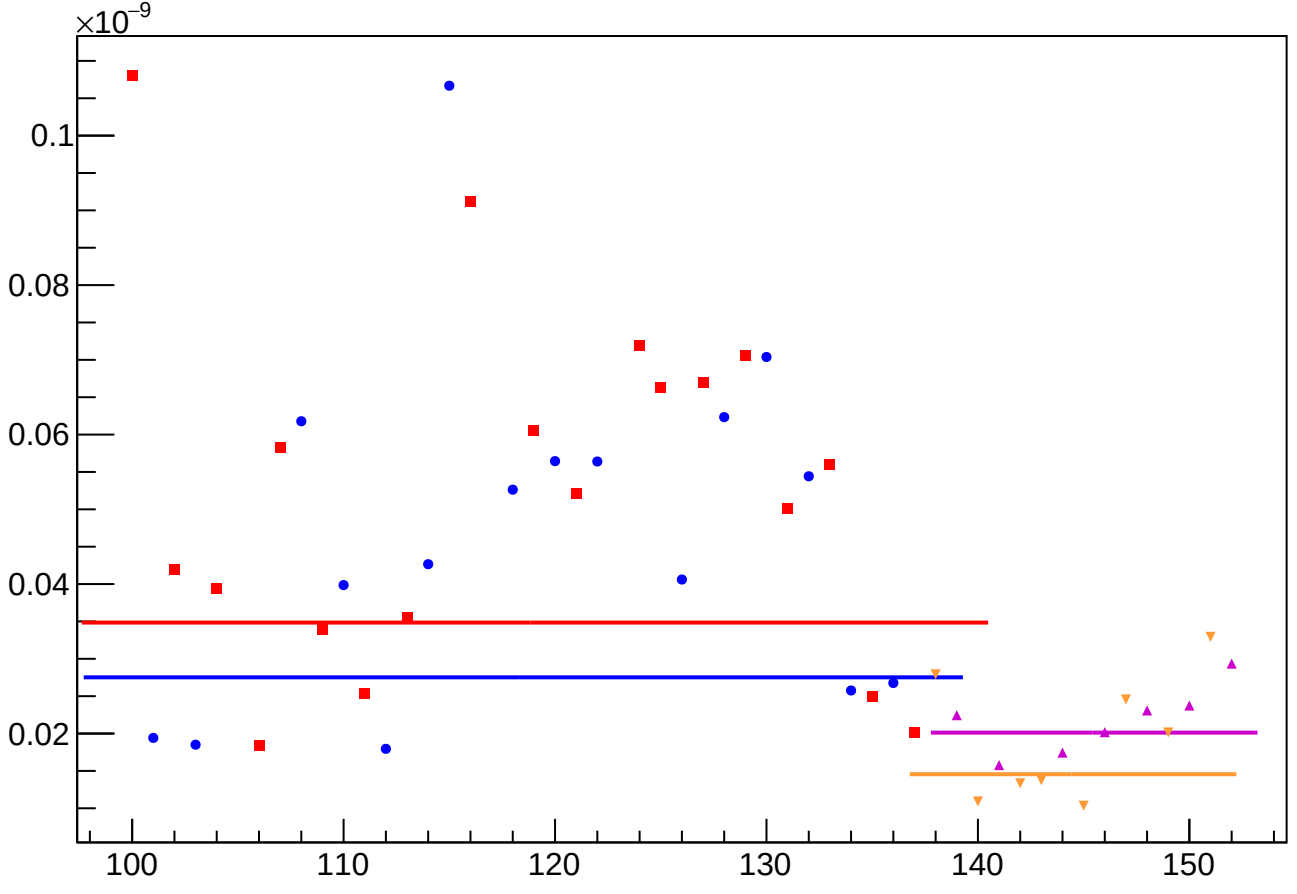
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 32.4/23

All: -0.000+/-0.000 χ^2/NDF: 63.8/49

- sign -0.000+/-0.000 χ^2/NDF: 31.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1177314.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

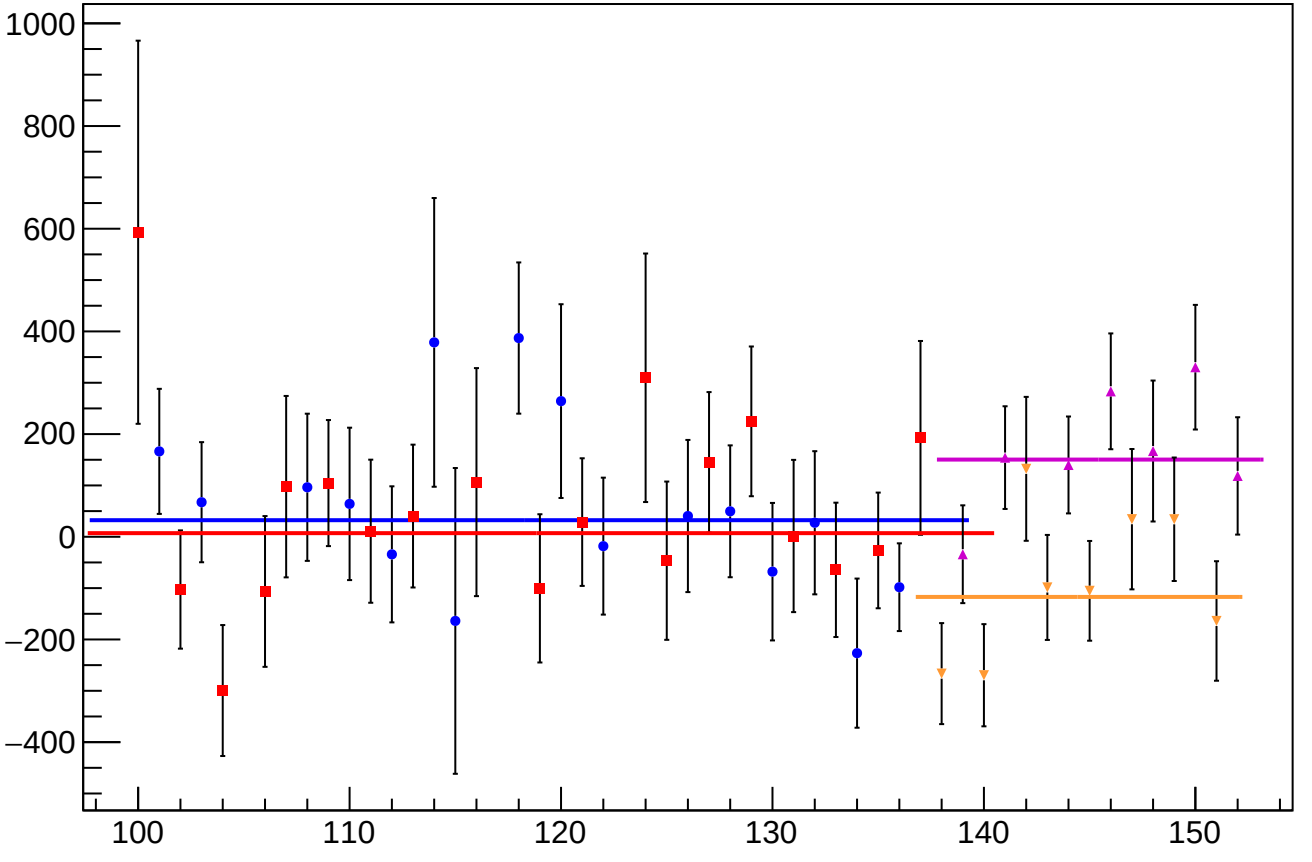
Left In: 0.000+/-0.000 χ^2/NDF:313238.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 4221446.8/23

All: 0.000+/-0.000 χ^2/NDF: 8043076.6/49

- sign 0.000+/-0.000 χ^2/NDF: 3144462.3/25

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -117.147+/-39.122 χ^2/NDF:10.8/7

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

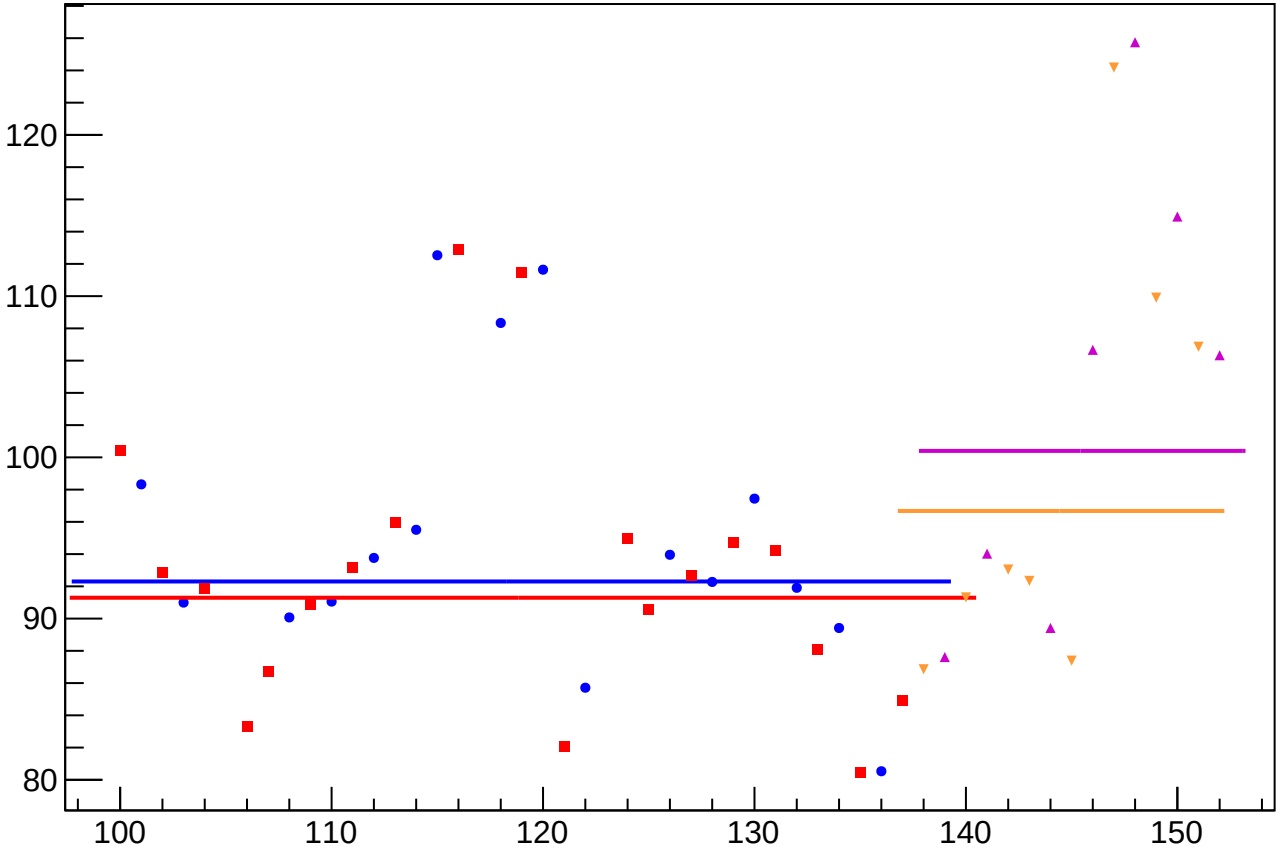
Left In: 150.357+/-40.871 χ^2/NDF:7.4/6

+ sign -32.927+/-25.846 χ^2/NDF: 36.4/23

All: 15.731+/-18.285 χ^2/NDF: 76.0/49

- sign 64.486+/-25.872 χ^2/NDF: 32.6/25

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 96.675+/-0.028 χ^2/NDF:169450.2/7

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

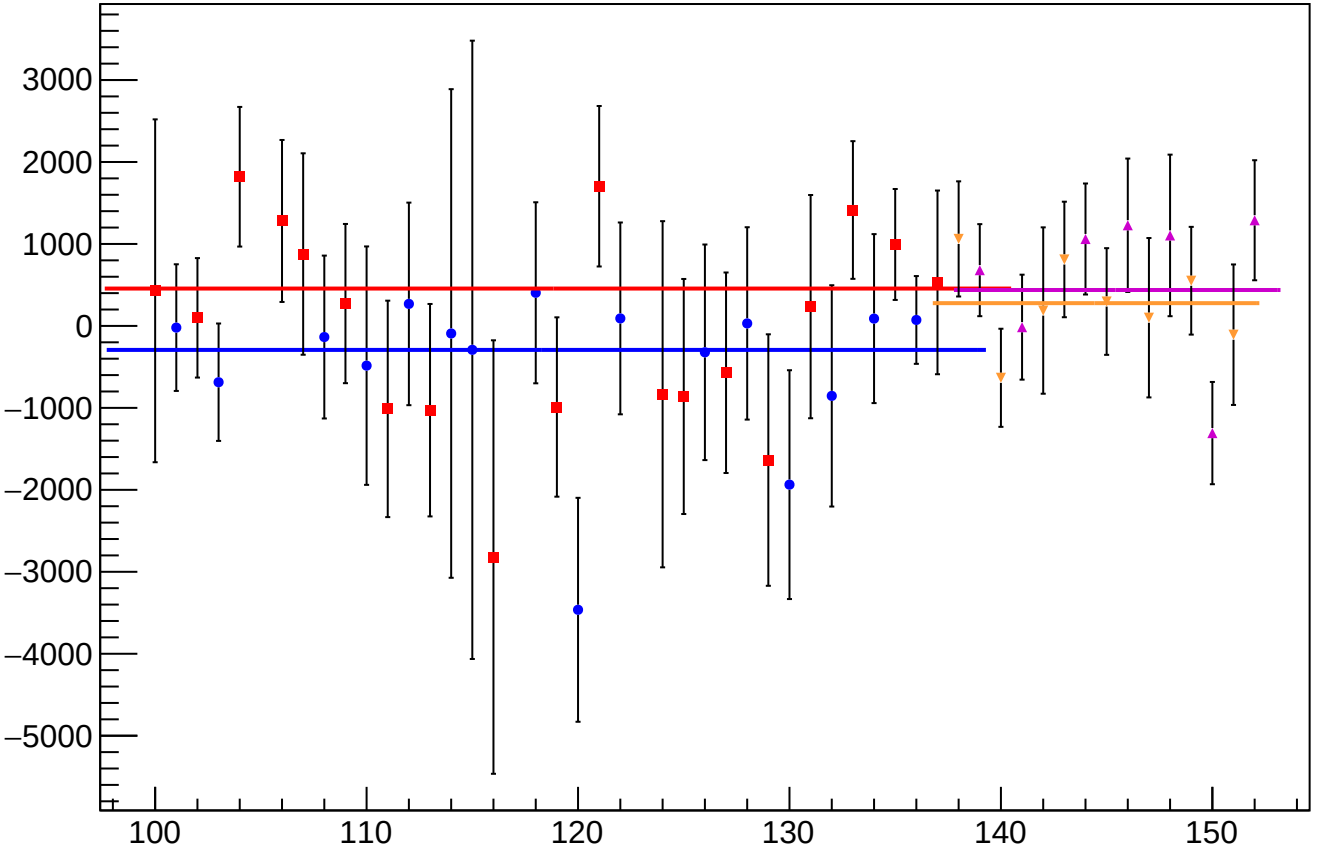
Left In: 100.401+/-0.029 χ^2/NDF:179695.2/6

+ sign 94.211+/-0.018 χ^2/NDF: 290599.3/23

All: 94.577+/-0.013 χ^2/NDF: 635707.5/49

- sign 94.943+/-0.018 χ^2/NDF: 344306.8/25

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.710+/-259.092 χ^2/NDF:4.5/7

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

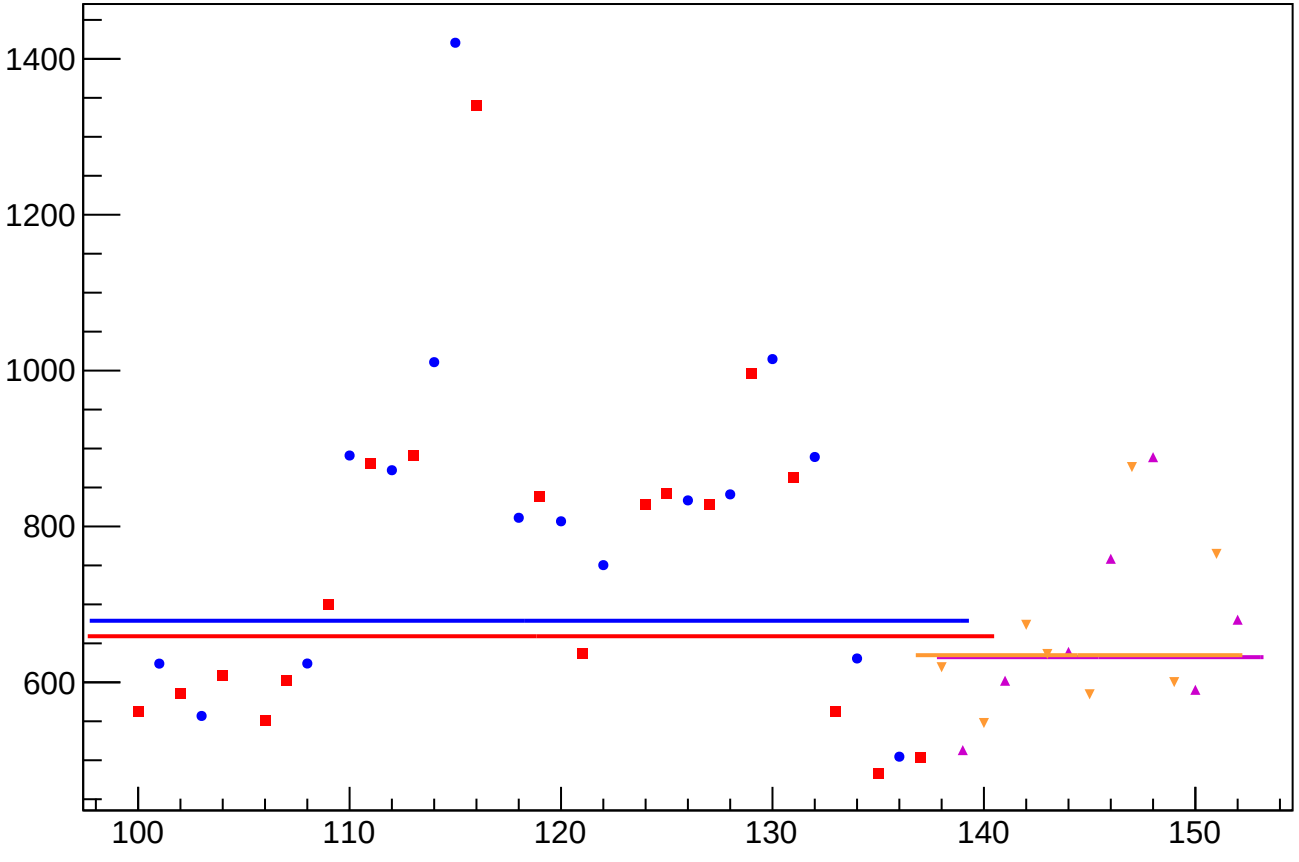
Left In: 438.235+/-260.254 χ^2/NDF:12.1/6

+ sign -6.863+/-183.418 χ^2/NDF: 15.8/23

All: 224.796+/-128.401 χ^2/NDF: 47.9/49

- sign 447.431+/-179.810 χ^2/NDF: 29.0/25

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 634.832+/-0.183 χ^2/NDF:232914.5/7

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

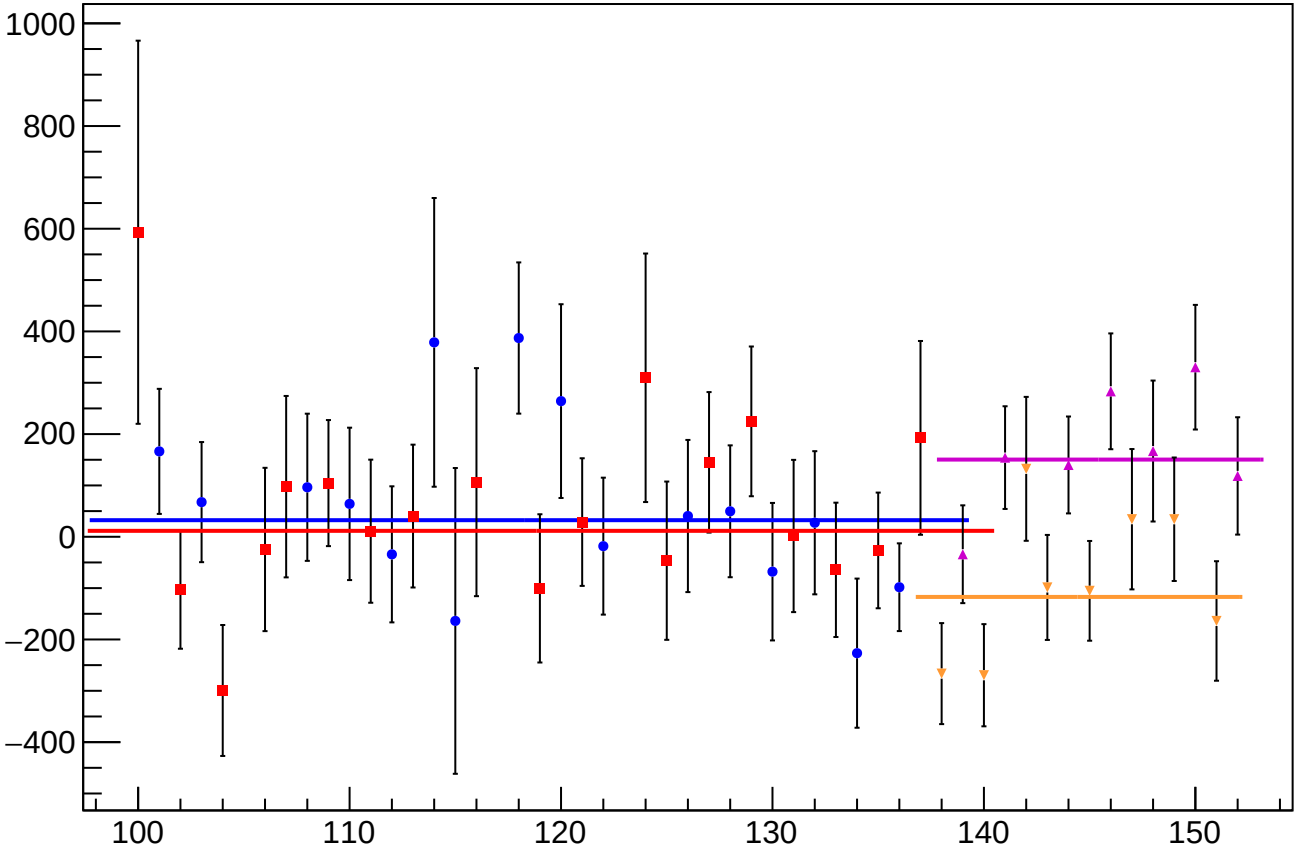
Left In: 632.284+/-0.184 χ^2/NDF:296261.8/6

+ sign 656.867+/-0.130 χ^2/NDF: 1029894.6/23

All: 651.487+/-0.091 χ^2/NDF: 2136533.5/49

- sign 646.317+/-0.127 χ^2/NDF: 1103264.9/25

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -117.149+/-39.122 χ^2/NDF:10.8/7

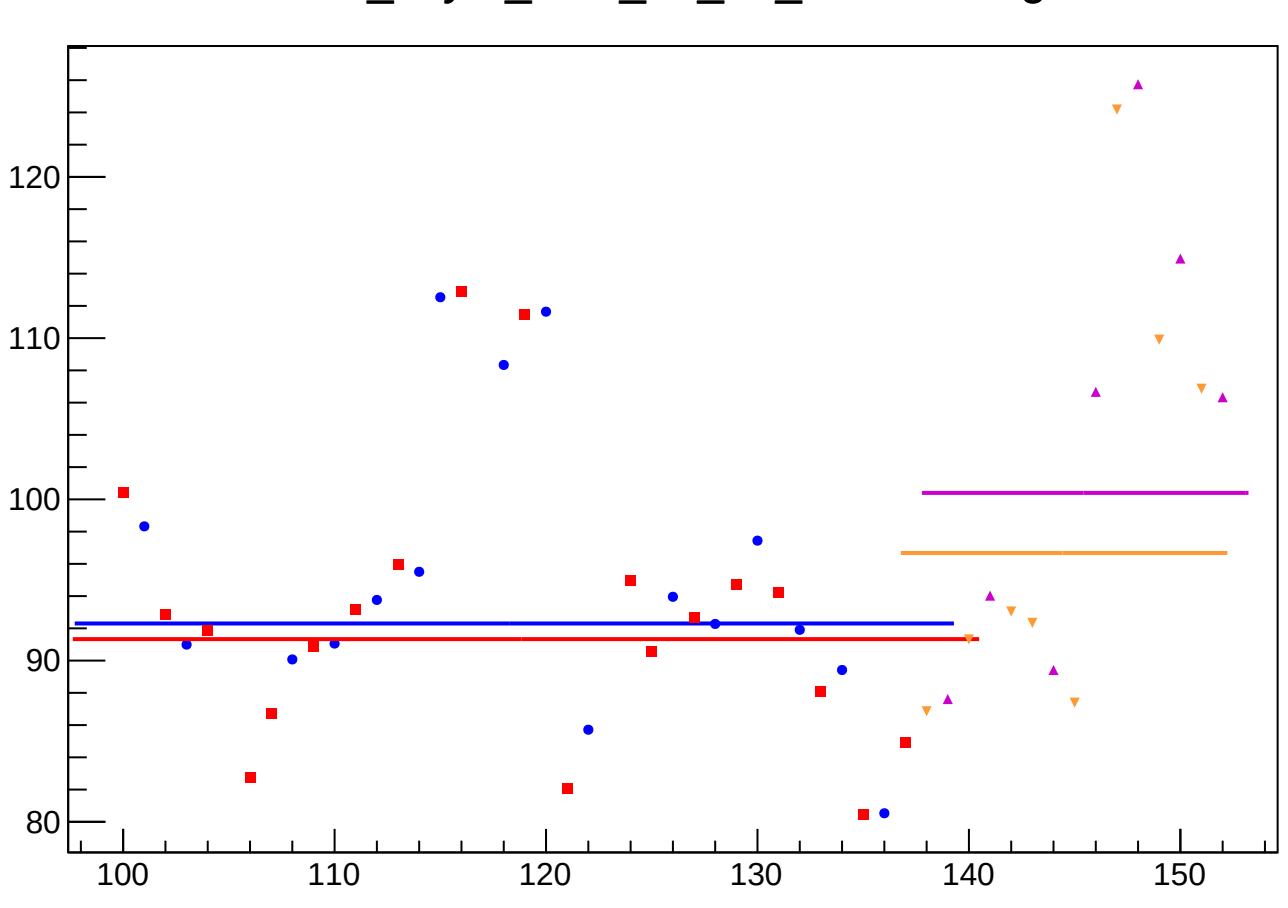
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 150.357+/-40.871 χ^2/NDF:7.4/6

+ sign -32.919+/-25.846 χ^2/NDF: 36.4/23

All: 17.096+/-18.306 χ^2/NDF: 75.4/49

- sign 67.443+/-25.931 χ^2/NDF: 31.5/25



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 96.675+/-0.028 χ^2/NDF:169450.2/7

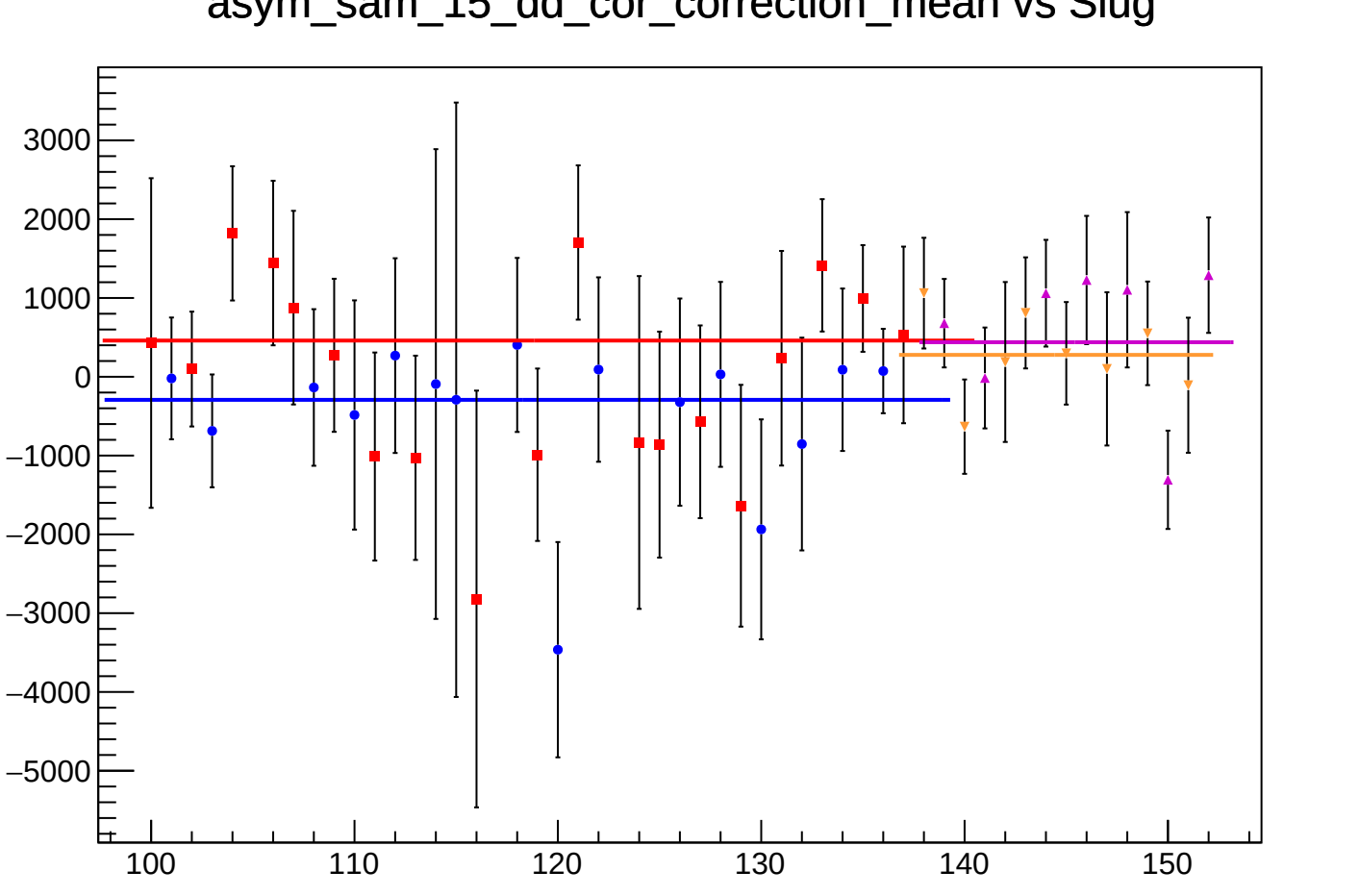
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 100.401+/-0.029 χ^2/NDF:179695.2/6

+ sign 94.211+/-0.018 χ^2/NDF: 290599.3/23

All: 94.596+/-0.013 χ^2/NDF: 634934.7/49

- sign 94.983+/-0.018 χ^2/NDF: 343446.8/25



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.706+/-259.092 χ^2/NDF:4.5/7

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

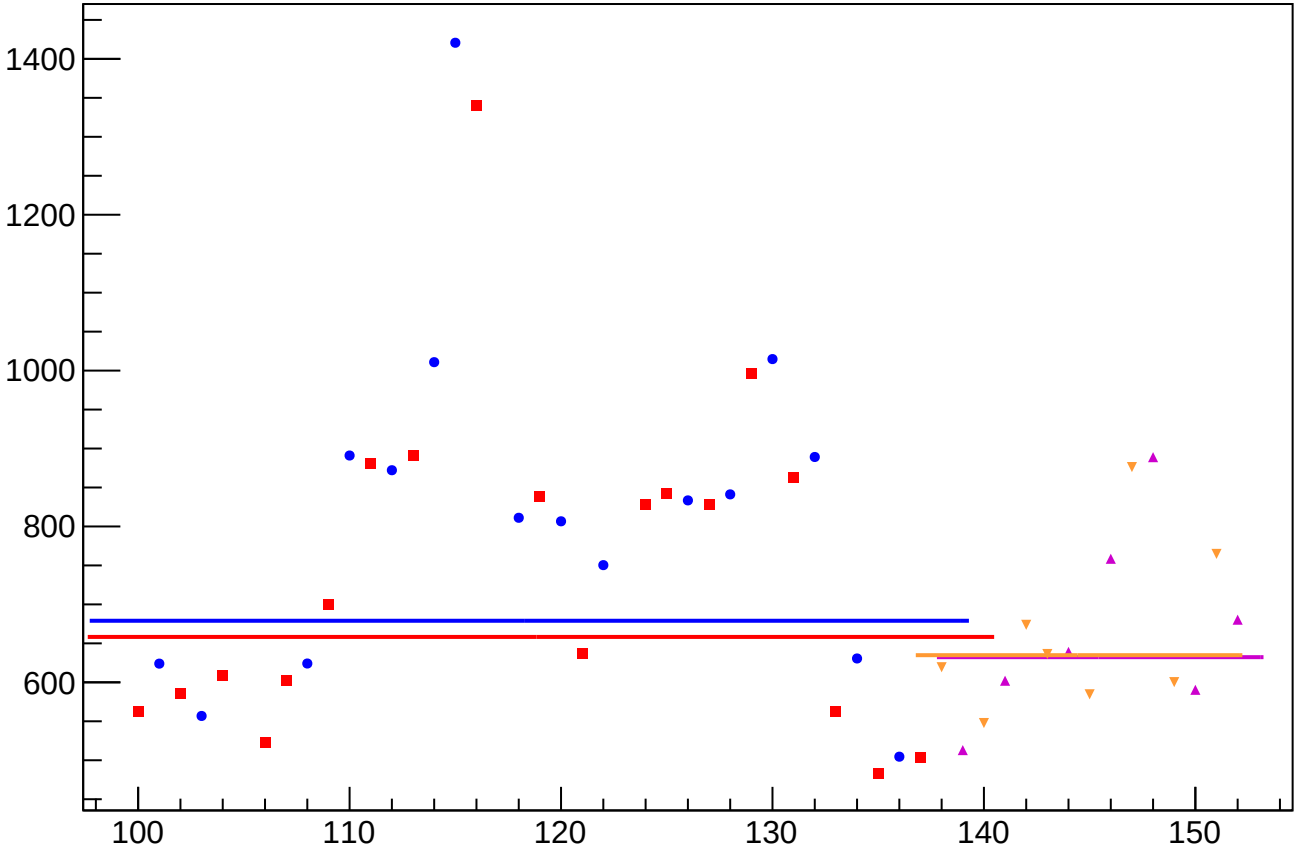
Left In: 438.231+/-260.254 χ^2/NDF:12.1/6

+ sign -6.864+/-183.418 χ^2/NDF: 15.8/23

All: 225.386+/-128.515 χ^2/NDF: 48.1/49

- sign 449.362+/-180.121 χ^2/NDF: 29.2/25

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 634.833+/-0.183 χ^2/NDF:232914.8/7

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

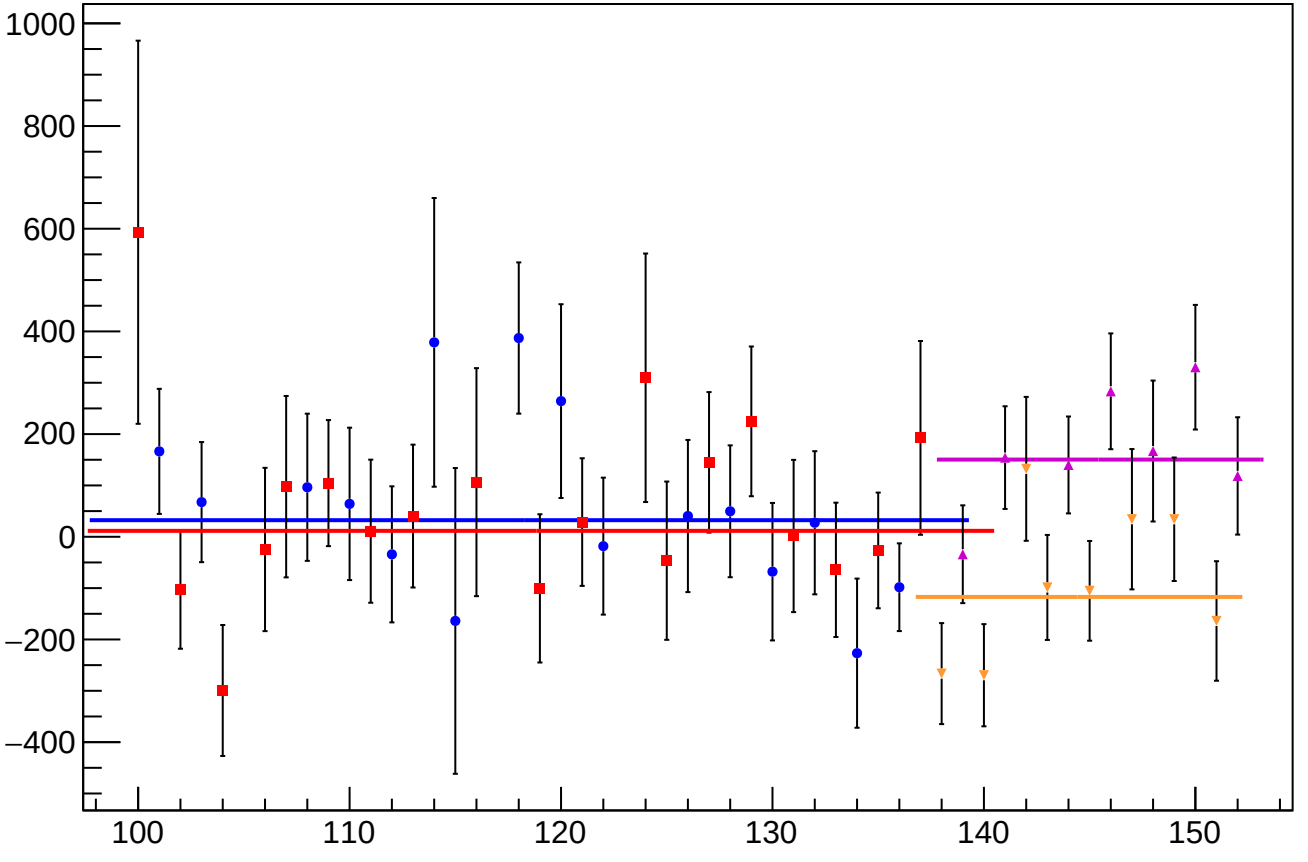
Left In: 632.284+/-0.184 χ^2/NDF:296261.7/6

+ sign 656.867+/-0.130 χ^2/NDF: 1029896.4/23

All: 651.242+/-0.091 χ^2/NDF: 2146131.7/49

- sign 645.819+/-0.127 χ^2/NDF: 1112541.4/25

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -117.149+/-39.122 χ^2/NDF:10.8/7

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

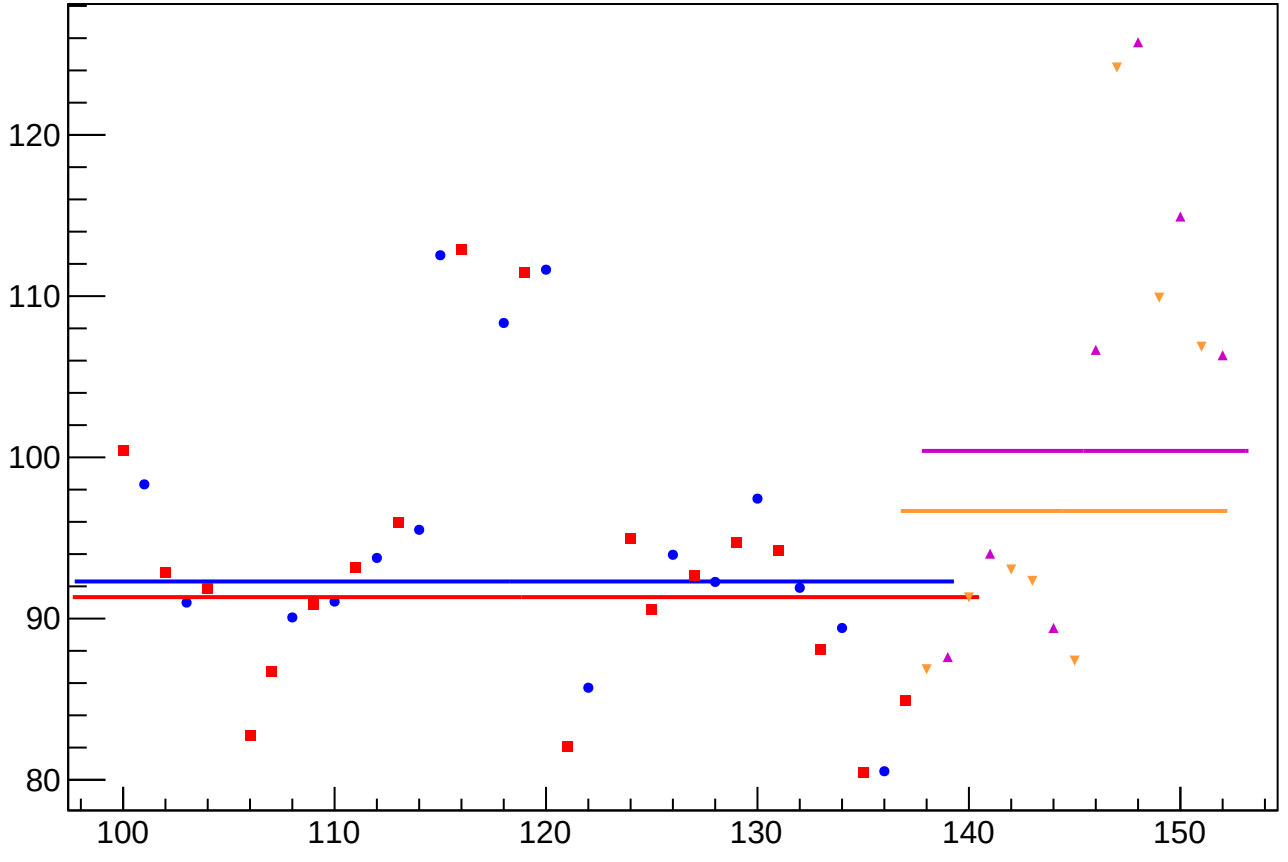
Left In: 150.357+/-40.871 χ^2/NDF:7.4/6

+ sign -32.919+/-25.846 χ^2/NDF: 36.4/23

All: 17.096+/-18.306 χ^2/NDF: 75.4/49

- sign 67.443+/-25.931 χ^2/NDF: 31.5/25

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 96.675+/-0.028 χ^2/NDF:169450.2/7

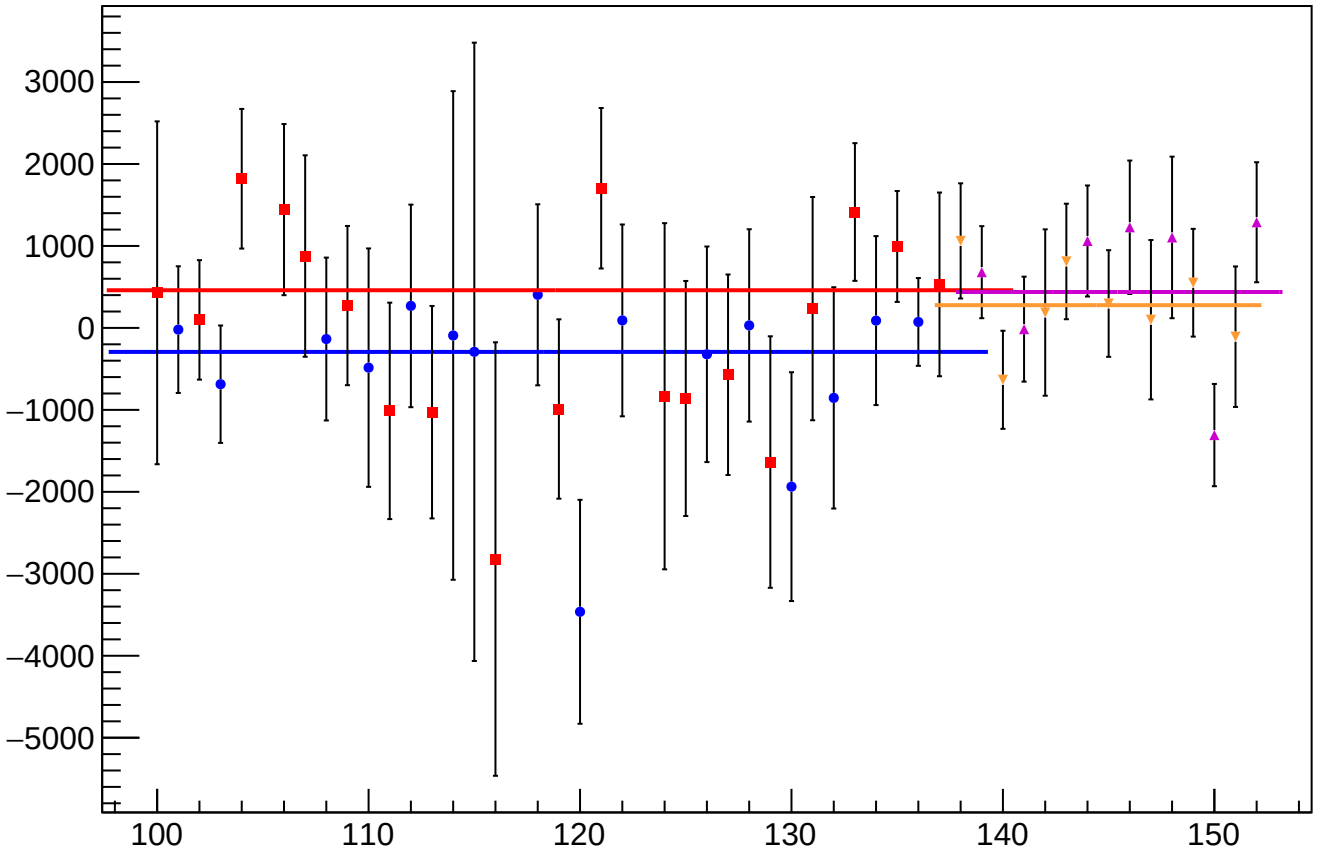
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 100.401+/-0.029 χ^2/NDF:179695.2/6

+ sign 94.211+/-0.018 χ^2/NDF: 290599.3/23

All: 94.596+/-0.013 χ^2/NDF: 634934.7/49

- sign 94.983+/-0.018 χ^2/NDF: 343446.8/25



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.706+/-259.092 χ^2/NDF:4.5/7

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

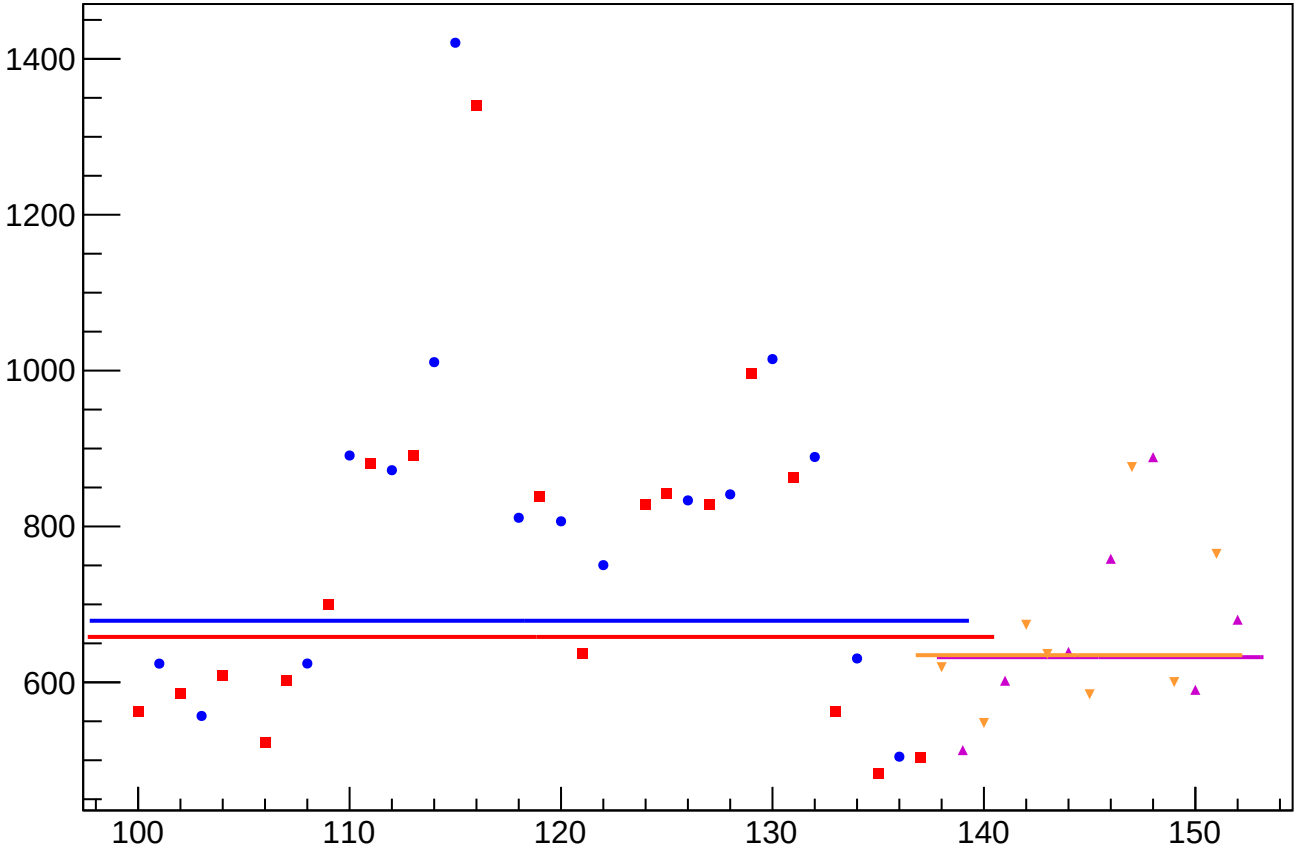
Left In: 438.231+/-260.254 χ^2/NDF:12.1/6

+ sign -6.864+/-183.418 χ^2/NDF: 15.8/23

All: 225.386+/-128.515 χ^2/NDF: 48.1/49

- sign 449.362+/-180.121 χ^2/NDF: 29.2/25

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 634.833+/-0.183 χ^2/NDF:232914.8/7

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

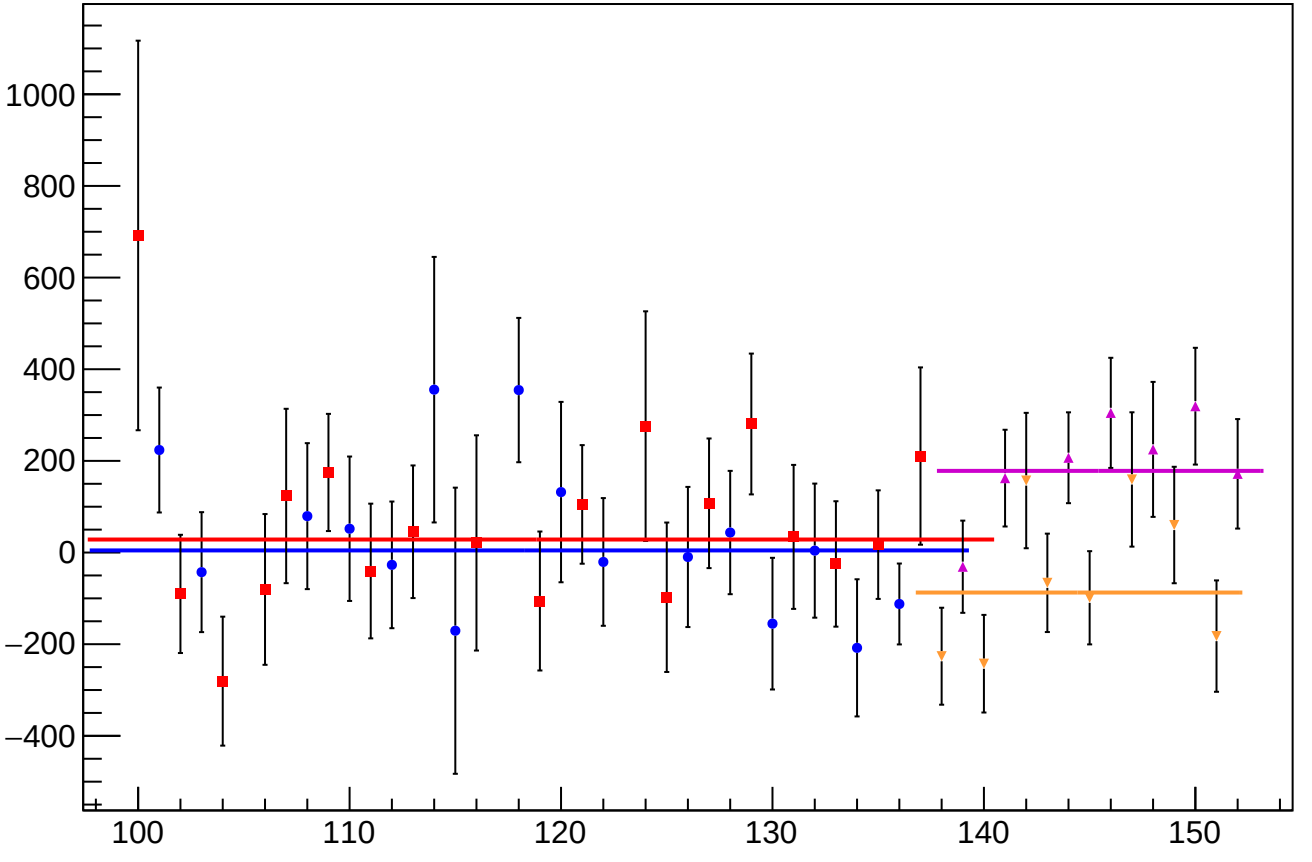
Left In: 632.284+/-0.184 χ^2/NDF:296261.7/6

+ sign 656.867+/-0.130 χ^2/NDF: 1029896.4/23

All: 651.242+/-0.091 χ^2/NDF: 2146131.7/49

- sign 645.819+/-0.127 χ^2/NDF: 1112541.4/25

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -87.285+/-41.419 χ^2/NDF:11.4/7

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

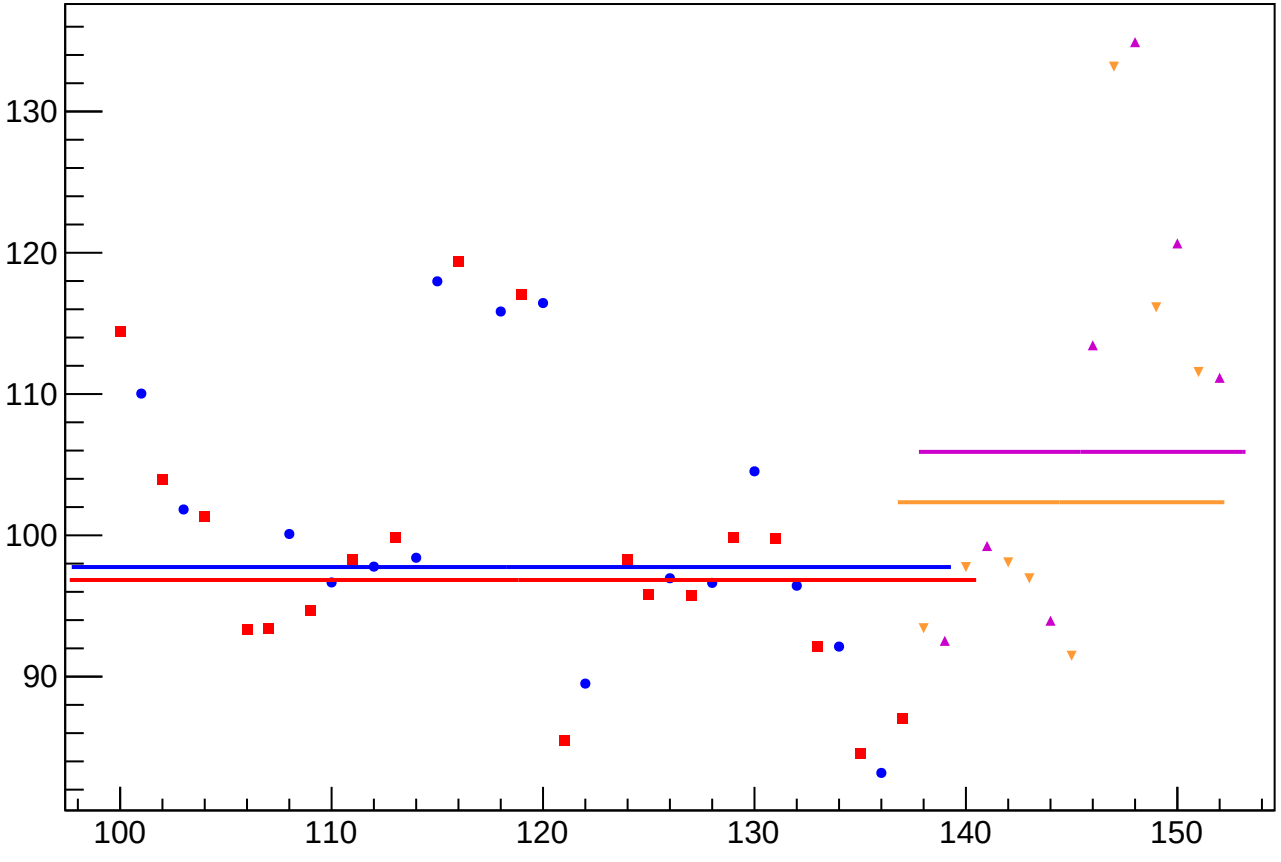
Left In: 178.185+/-43.139 χ^2/NDF:6.9/6

+ sign -35.565+/-27.388 χ^2/NDF: 29.5/23

All: 26.606+/-19.369 χ^2/NDF: 71.0/49

- sign 88.811+/-27.396 χ^2/NDF: 31.2/25

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 102.342+/-0.029 χ^2/NDF:171027.1/7

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

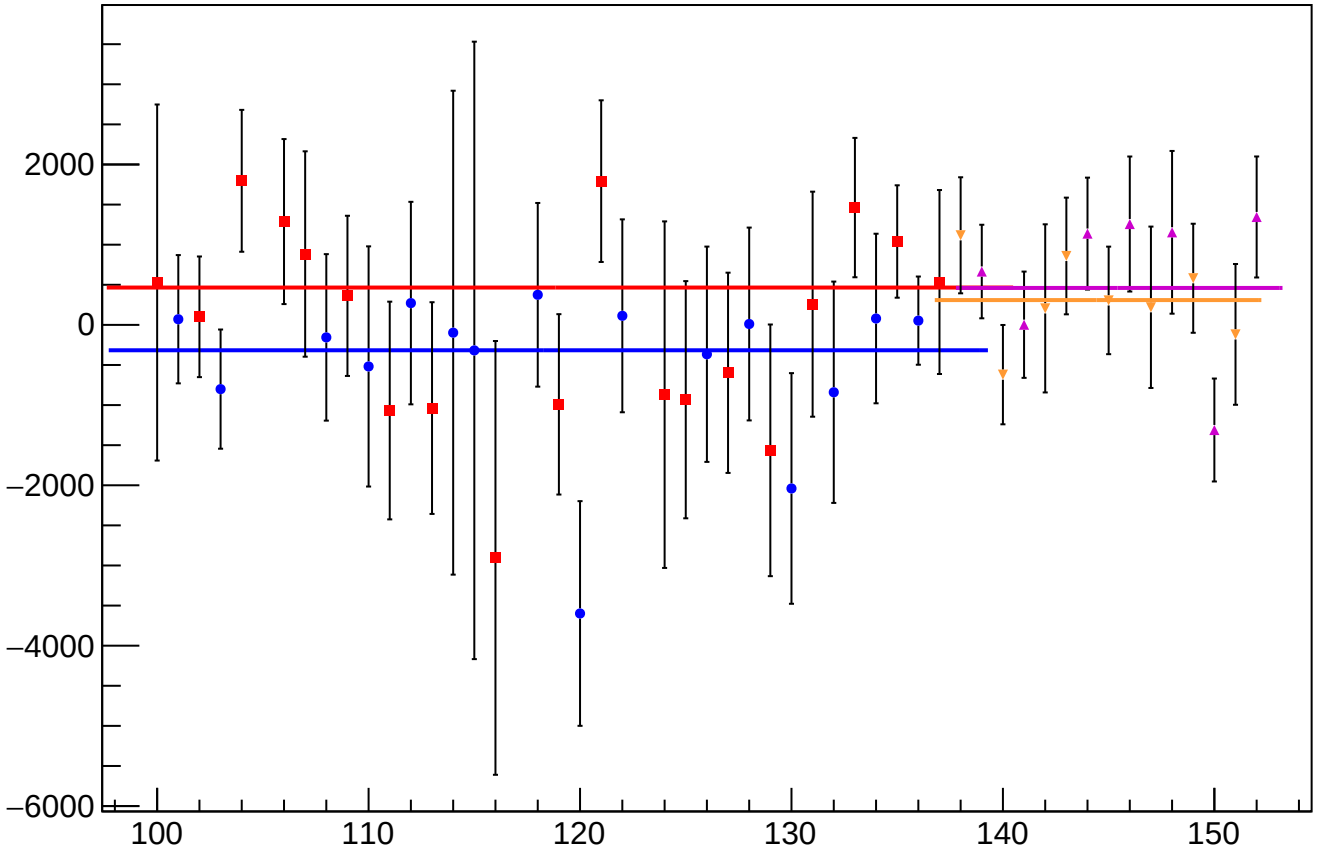
Left In: 105.909+/-0.031 χ^2/NDF:188474.3/6

+ sign 99.761+/-0.019 χ^2/NDF: 325480.2/23

All: 100.129+/-0.014 χ^2/NDF: 682590.1/49

- sign 100.497+/-0.019 χ^2/NDF: 356388.1/25

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 309.247+/-267.351 χ^2/NDF:4.5/7

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

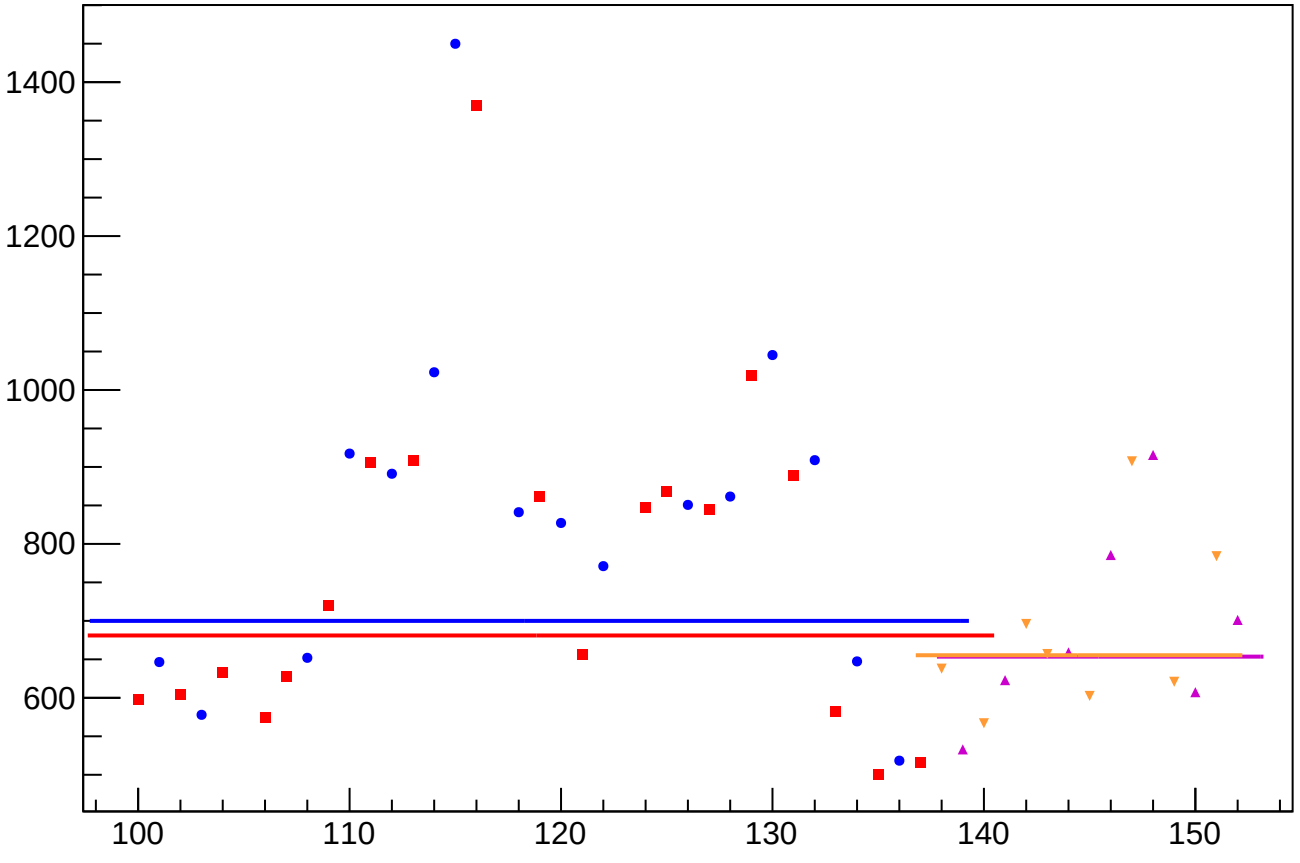
Left In: 460.671+/-268.816 χ^2/NDF:11.9/6

\+ sign -3.470+/-189.104 χ^2/NDF: 16.4/23

All: 234.210+/-132.471 χ^2/NDF: 47.9/49

\- sign 463.237+/-185.629 χ^2/NDF: 28.4/25

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 655.331+/-0.189 χ^2/NDF:230921.8/7

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

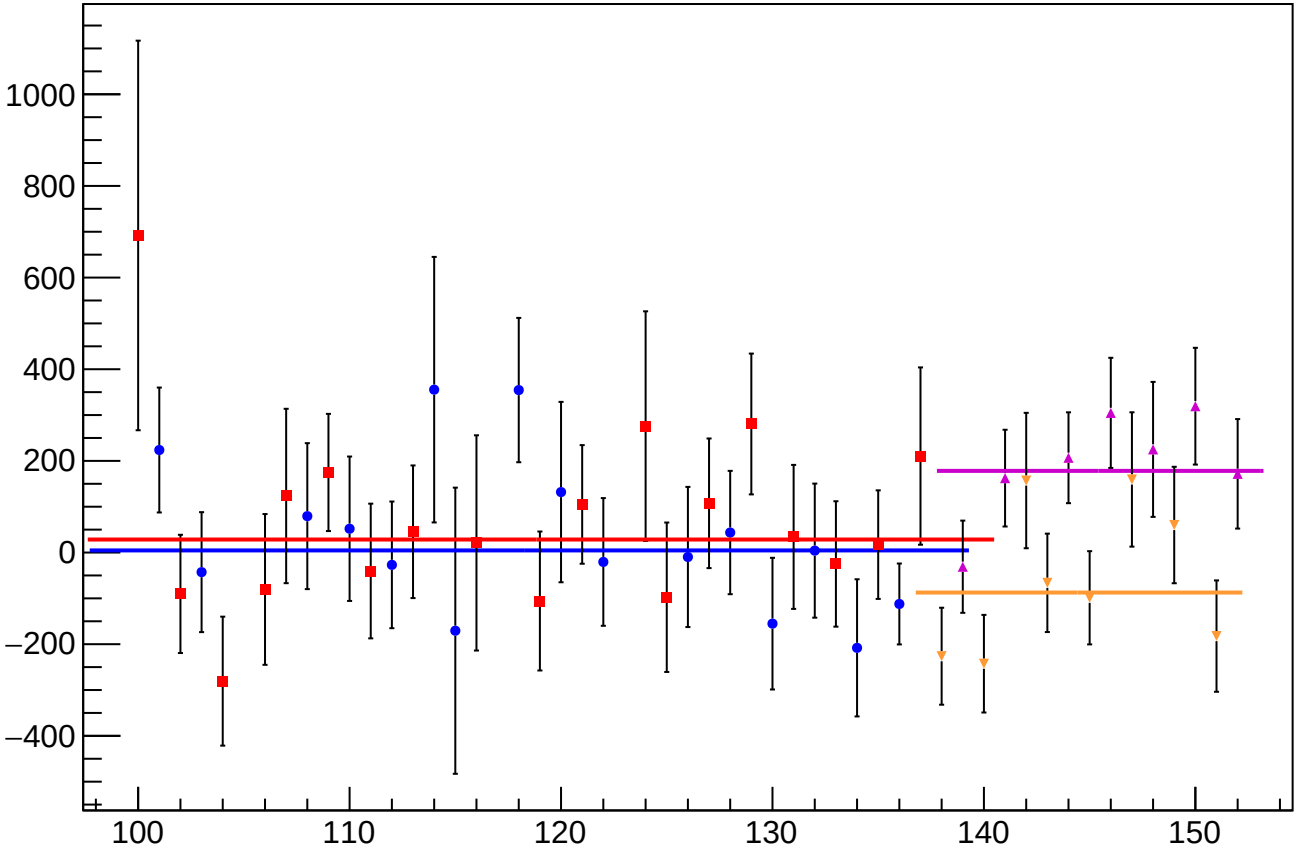
Left In: 653.534+/-0.190 χ^2/NDF:290798.6/6

+ sign 677.638+/-0.134 χ^2/NDF: 1012452.2/23

All: 672.685+/-0.094 χ^2/NDF: 2086278.8/49

- sign 667.911+/-0.131 χ^2/NDF: 1071131.9/25

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -87.285+/-41.419 χ^2/NDF:11.4/7

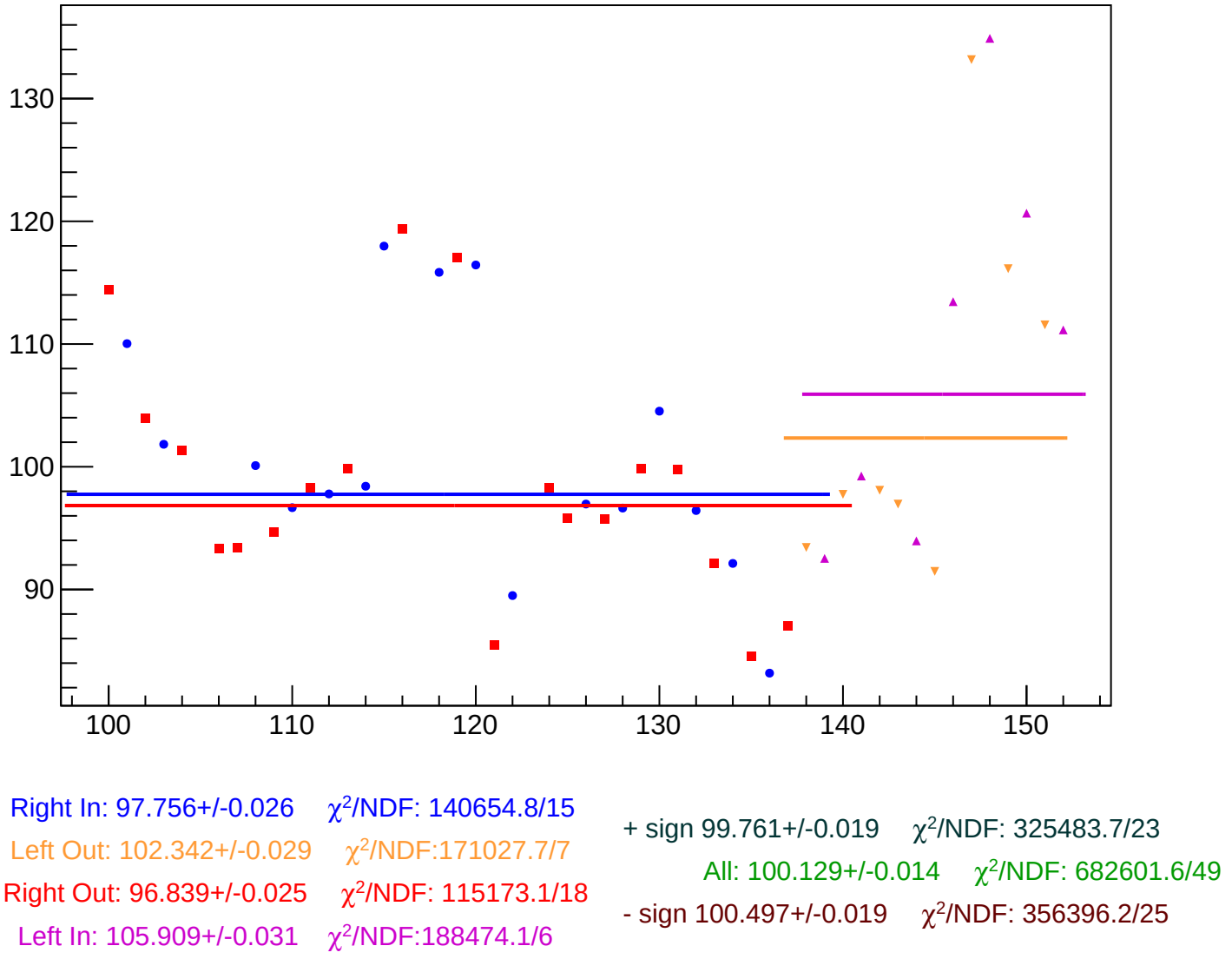
Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

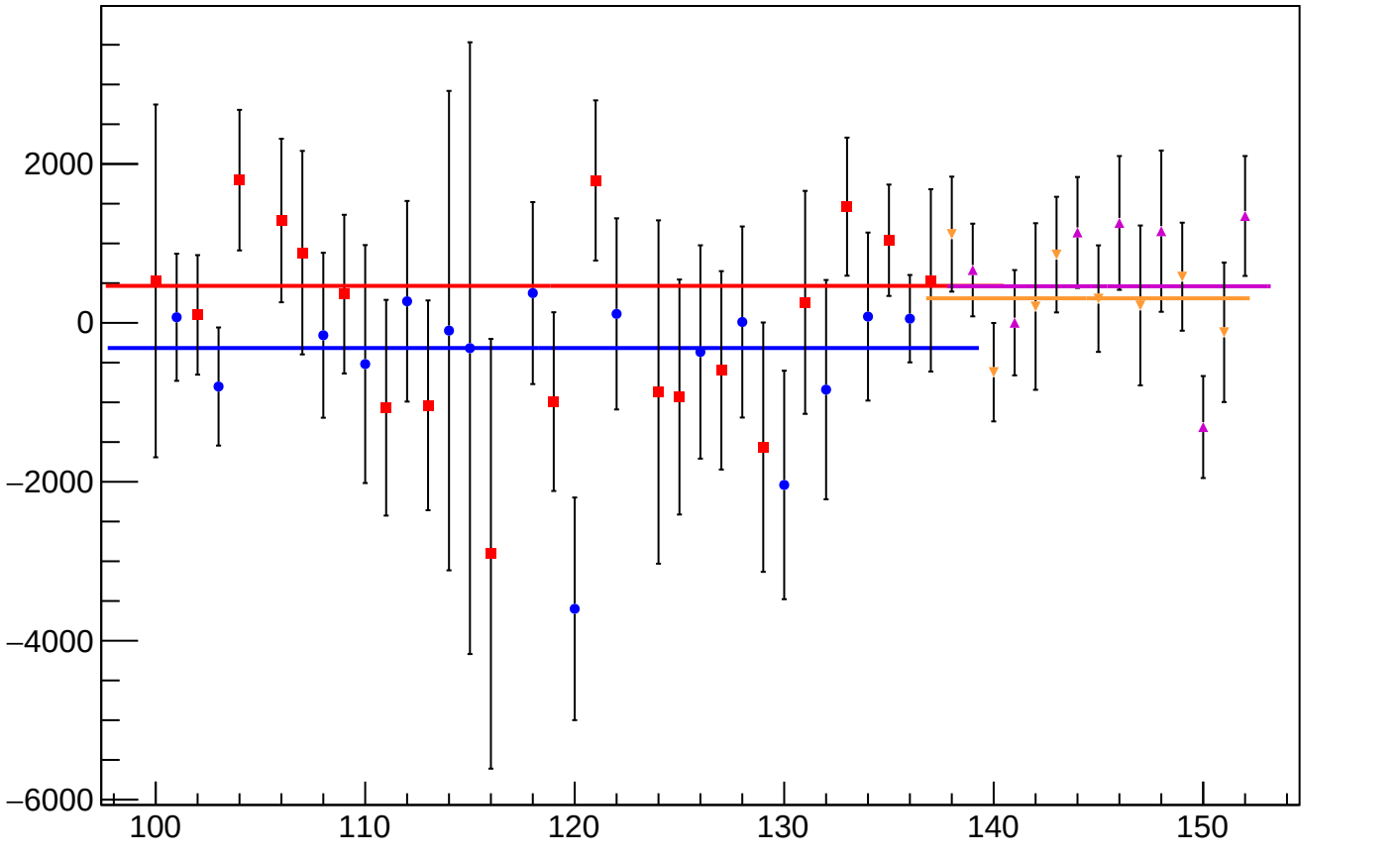
Left In: 178.185+/-43.139 χ^2/NDF:6.9/6

+ sign -35.565+/-27.388 χ^2/NDF: 29.5/23

All: 26.606+/-19.369 χ^2/NDF: 71.0/49

- sign 88.811+/-27.395 χ^2/NDF: 31.2/25


eigen_dit_asym_sam_15_dd_rms vs Slug
130
120
110
100
90
100
110
120
130
140
150
Right In: 97.756+/-0.026 χ²/NDF: 140654.8/15
Left Out: 102.342+/-0.029 χ²/NDF:171027.7/7
Right Out: 96.839+/-0.025 χ²/NDF: 115173.1/18
Left In: 105.909+/-0.031 χ²/NDF:188474.1/6
+ sign 99.761+/-0.019 χ²/NDF: 325483.7/23
All: 100.129+/-0.014 χ²/NDF: 682601.6/49
- sign 100.497+/-0.019 χ²/NDF: 356396.2/25



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 309.246+/-267.351 χ^2/NDF:4.5/7

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

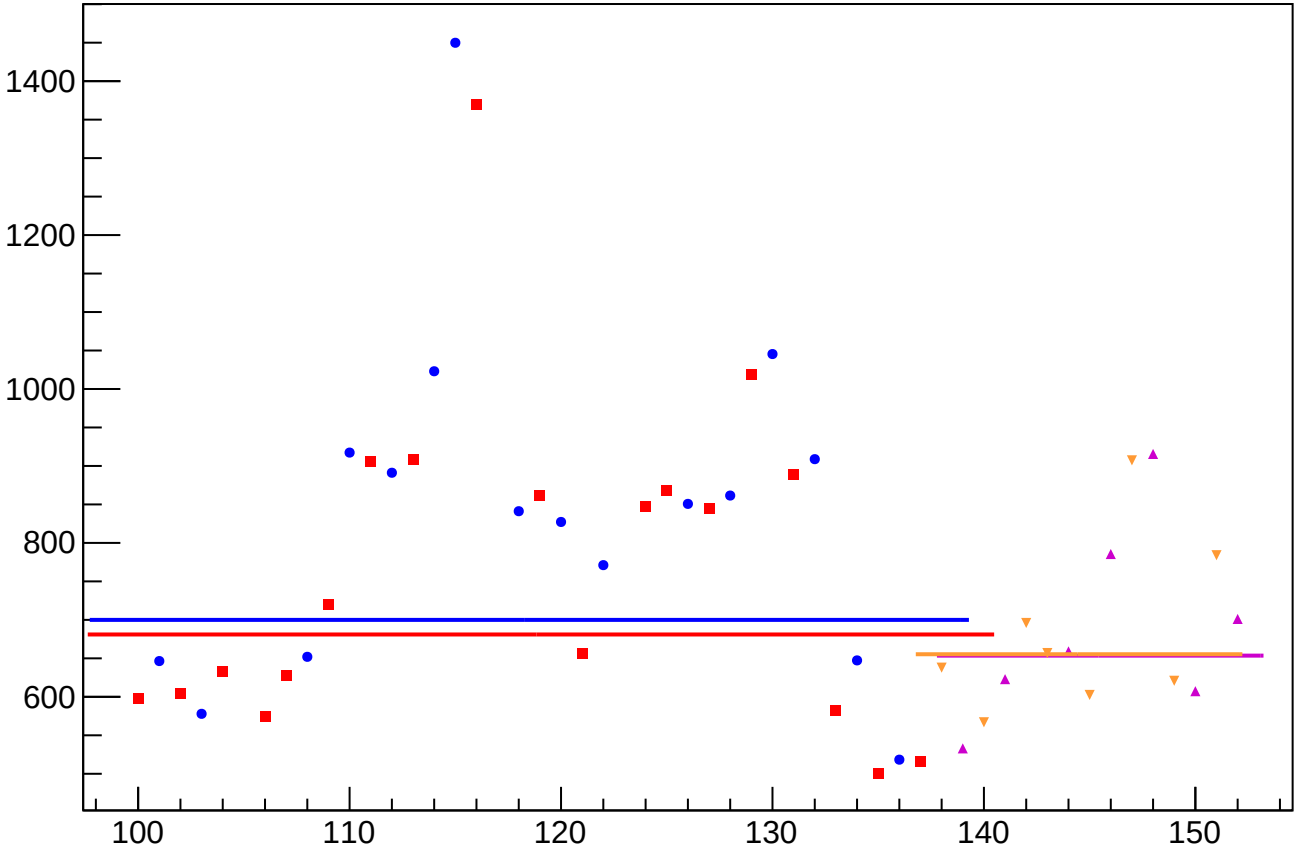
Left In: 460.673+/-268.816 χ^2/NDF:11.9/6

+ sign -3.471+/-189.104 χ^2/NDF: 16.4/23

All: 234.210+/-132.471 χ^2/NDF: 47.9/49

- sign 463.238+/-185.629 χ^2/NDF: 28.4/25

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 655.332+/-0.189 χ^2/NDF:230921.0/7

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

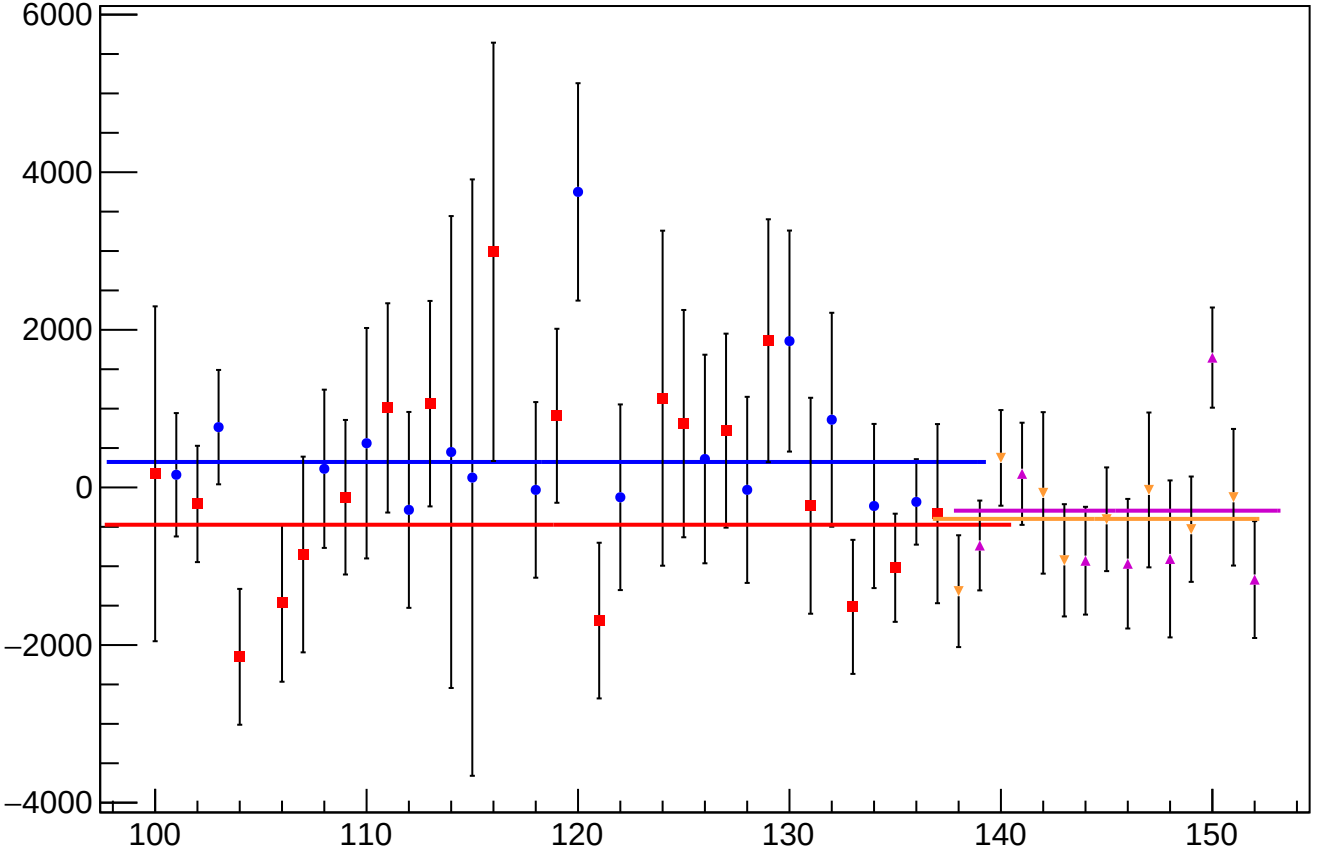
Left In: 653.535+/-0.190 χ^2/NDF:290798.3/6

\+ sign 677.638+/-0.134 χ^2/NDF: 1012451.4/23

All: 672.684+/-0.094 χ^2/NDF: 2086278.9/49

\- sign 667.911+/-0.131 χ^2/NDF: 1071132.7/25

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -399.079+/-262.248 χ^2/NDF:4.2/7

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

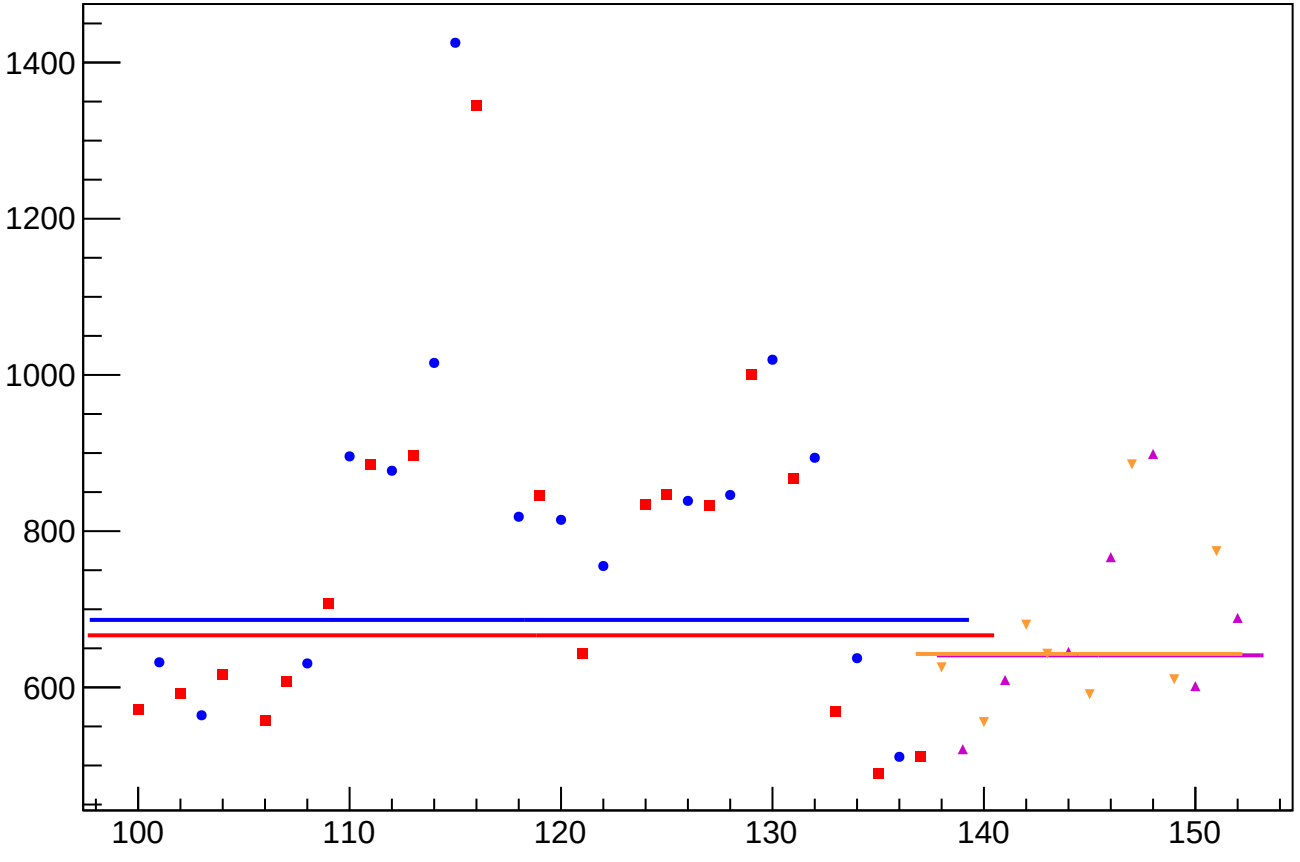
Left In: -294.857+/-263.726 χ^2/NDF:13.8/6

+ sign -38.057+/-185.467 χ^2/NDF: 17.7/23

All: -216.557+/-129.881 χ^2/NDF: 53.0/49

- sign -388.336+/-181.942 χ^2/NDF: 33.4/25

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 642.787+/-0.185 χ^2/NDF:230420.4/7

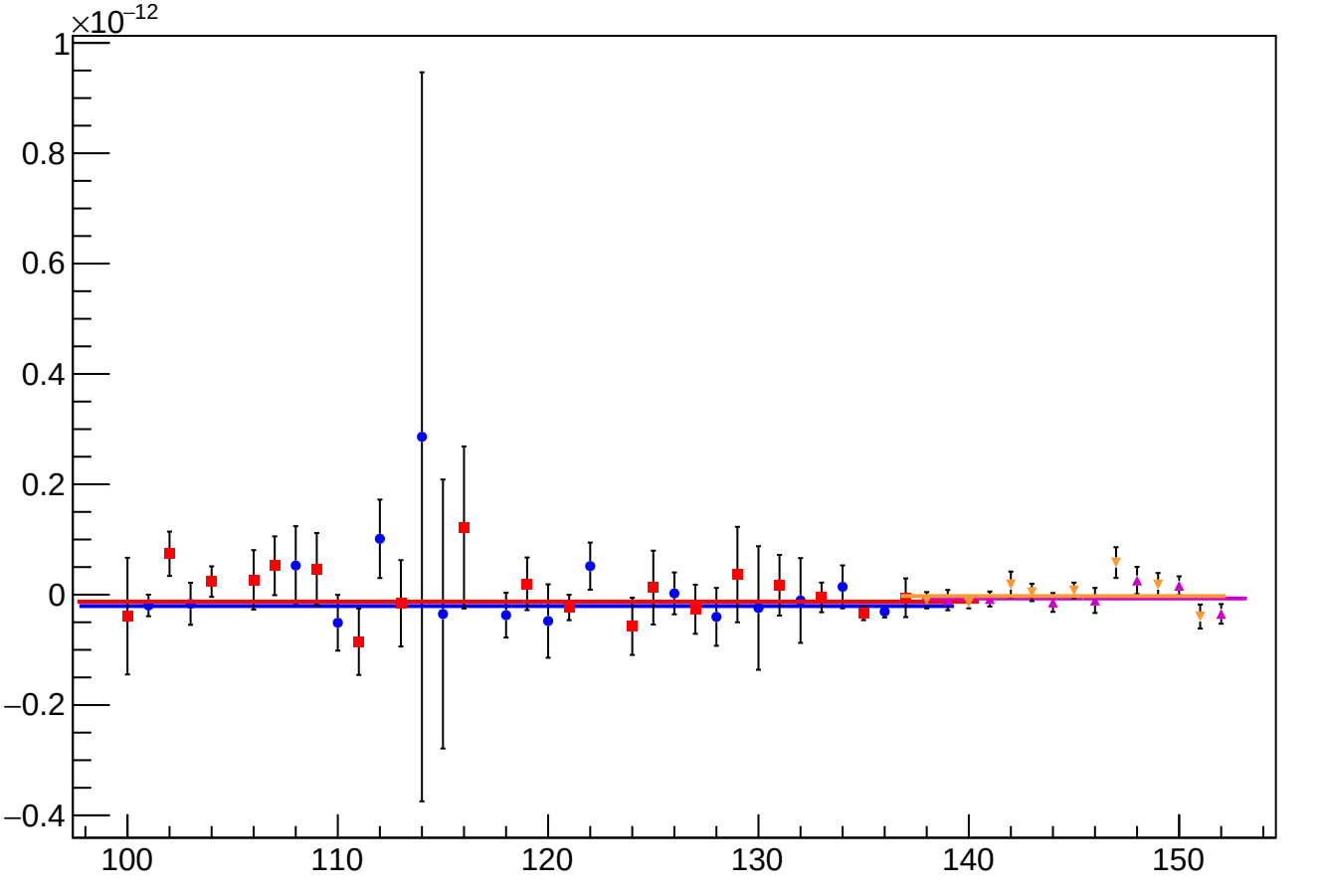
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 641.026+/-0.186 χ^2/NDF:290540.0/6

+ sign 664.584+/-0.131 χ^2/NDF: 1007515.7/23

All: 659.418+/-0.092 χ^2/NDF: 2088016.6/49

- sign 654.446+/-0.129 χ^2/NDF: 1077456.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/7

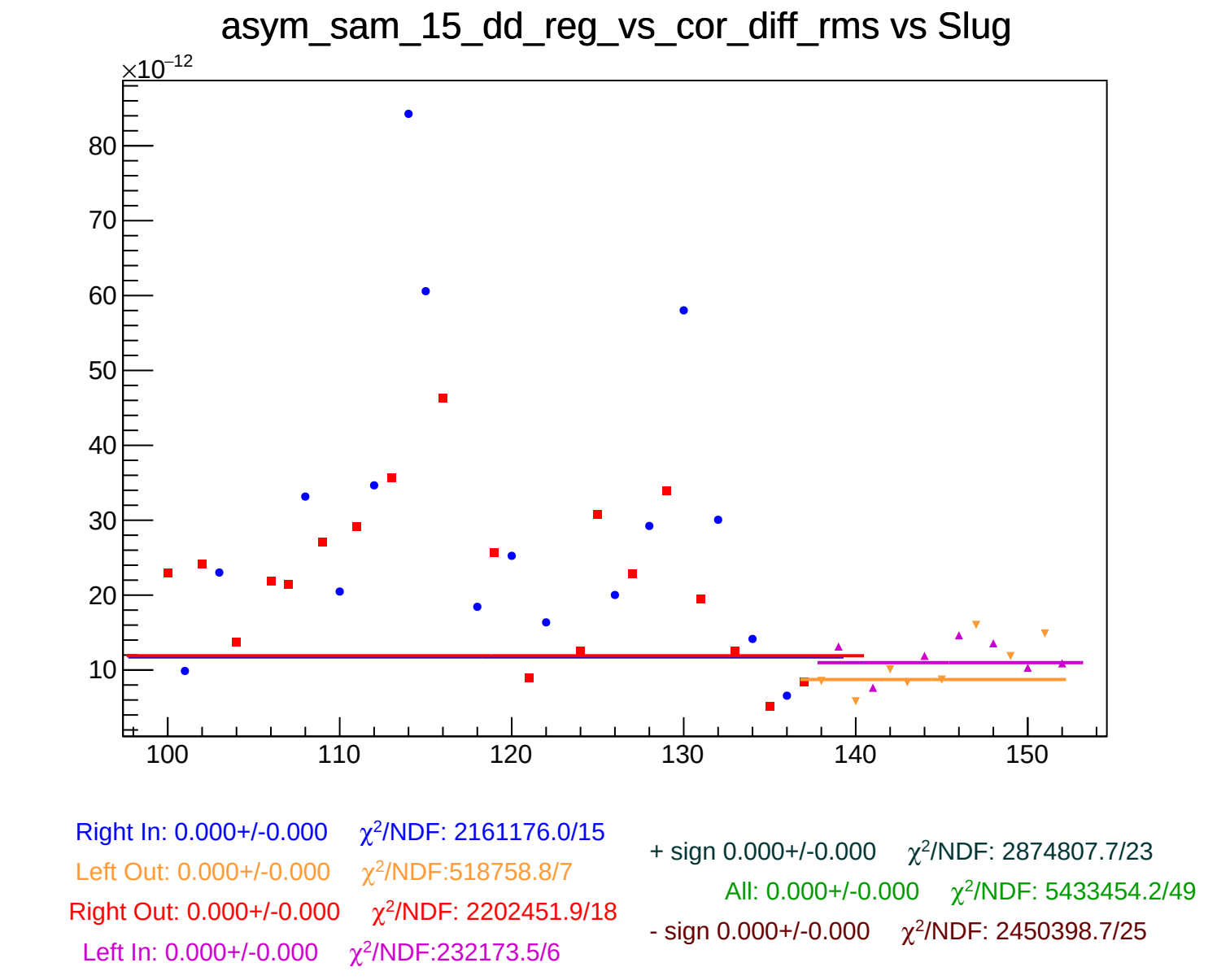
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 25.4/23

All: -0.000+/-0.000 χ^2/NDF: 49.1/49

- sign -0.000+/-0.000 χ^2/NDF: 23.7/25


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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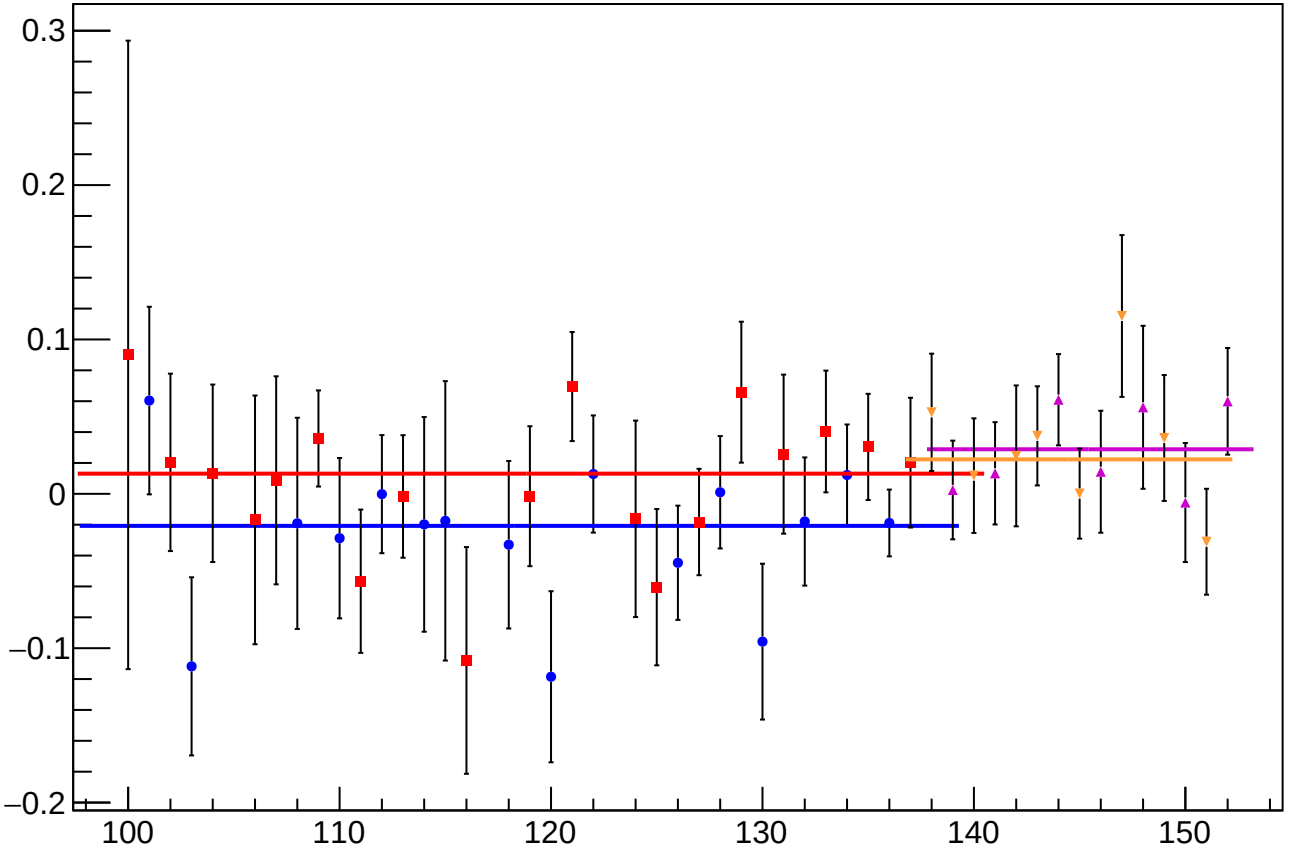
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:518758.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:232173.5/6
+ sign 0.000+/-0.000 χ²/NDF: 2874807.7/23
All: 0.000+/-0.000 χ²/NDF: 5433454.2/49
- sign 0.000+/-0.000 χ²/NDF: 2450398.7/25

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: 0.022+/-0.013 χ^2/NDF:7.2/7

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

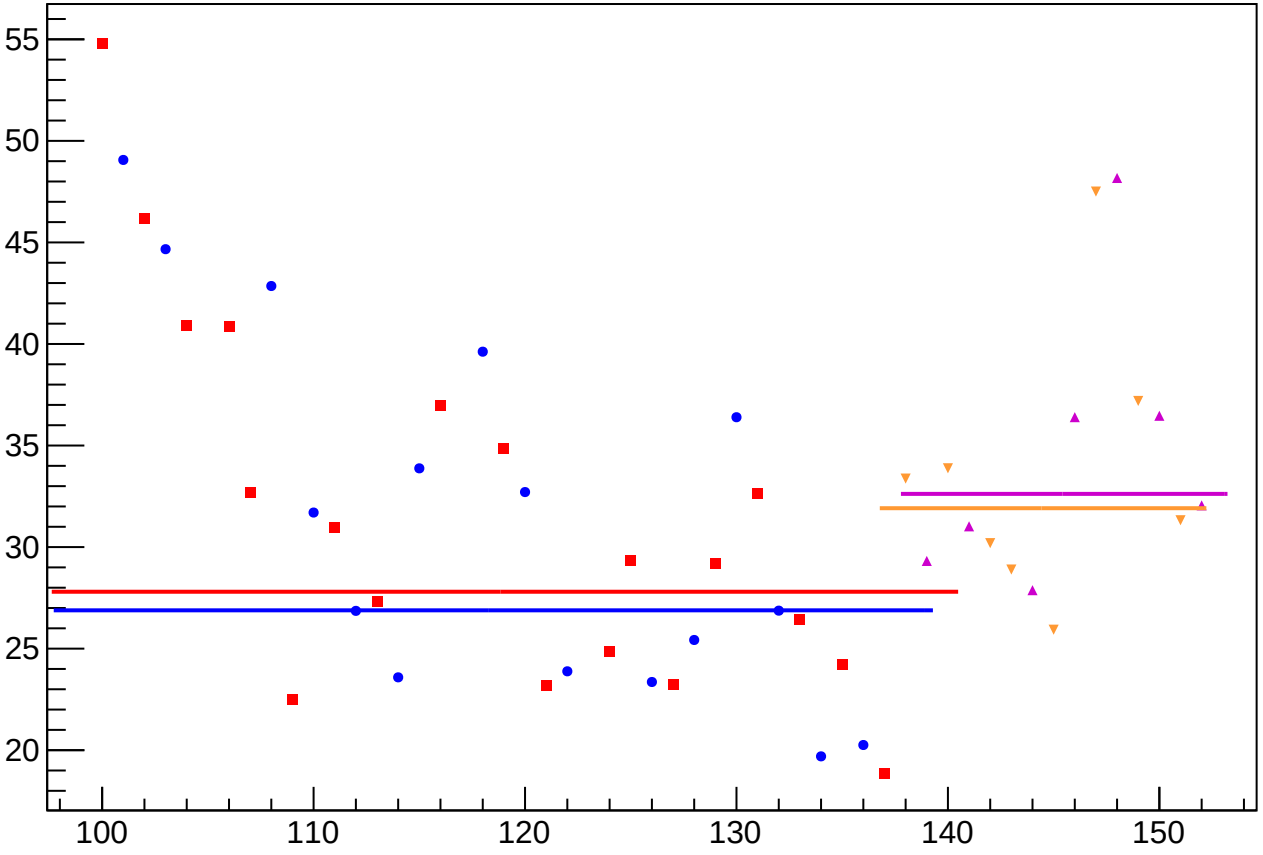
Left In: 0.029+/-0.013 χ^2/NDF:4.1/6

+ sign -0.004+/-0.008 χ^2/NDF: 26.3/23

All: 0.007+/-0.006 χ^2/NDF: 49.1/49

- sign 0.019+/-0.008 χ^2/NDF: 18.8/25

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.914+/-0.009 χ^2/NDF:324269.9/7

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

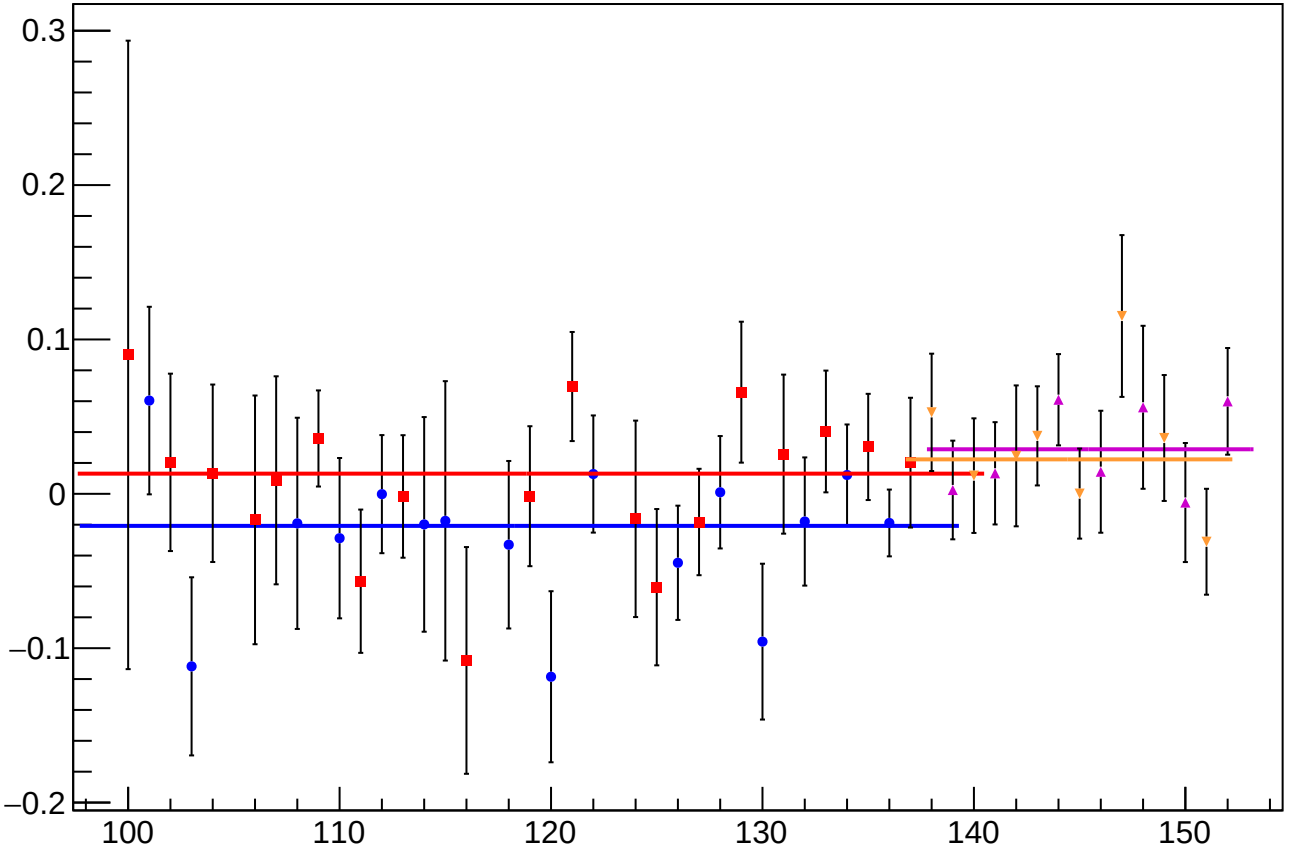
Left In: 32.620+/-0.009 χ^2/NDF:289757.6/6

+ sign 28.861+/-0.006 χ^2/NDF: 1624646.5/23

All: 29.245+/-0.004 χ^2/NDF: 2845655.2/49

- sign 29.638+/-0.006 χ^2/NDF: 1212107.2/25

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: 0.022+/-0.013 χ^2/NDF:7.2/7

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

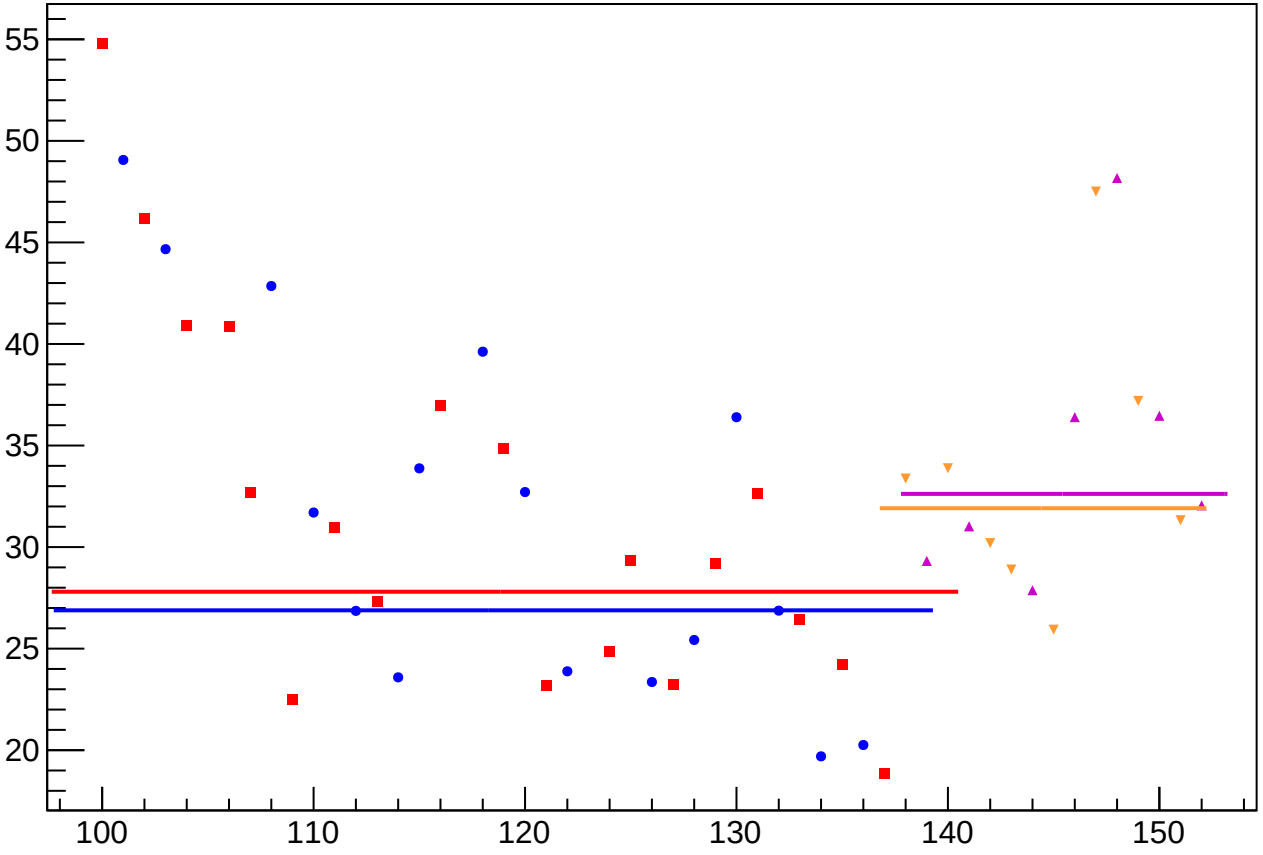
Left In: 0.029+/-0.013 χ^2/NDF:4.1/6

+ sign -0.004+/-0.008 χ^2/NDF: 26.3/23

All: 0.007+/-0.006 χ^2/NDF: 49.1/49

- sign 0.019+/-0.008 χ^2/NDF: 18.8/25

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.914+/-0.009 χ^2/NDF:324269.9/7

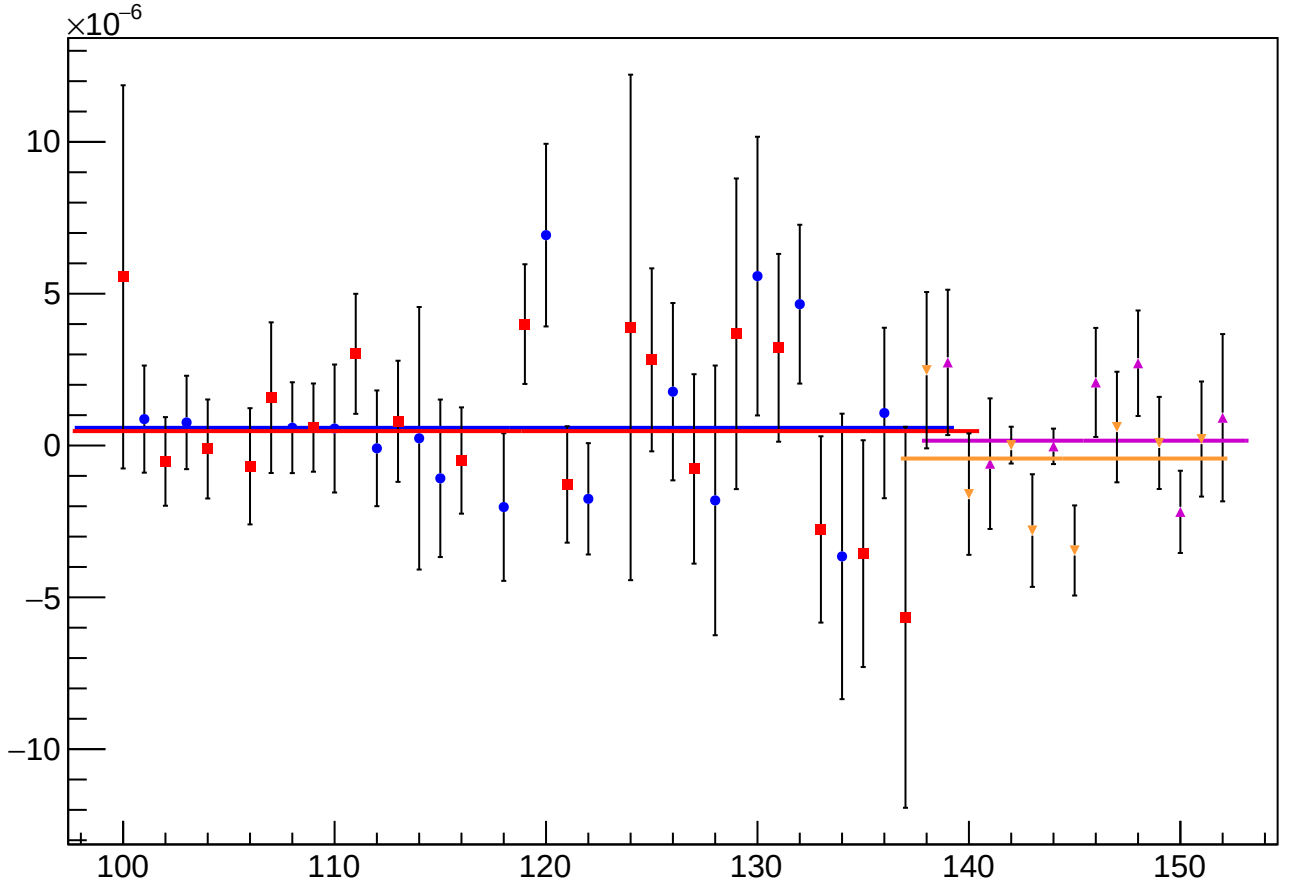
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.620+/-0.009 χ^2/NDF:289757.6/6

+ sign 28.861+/-0.006 χ^2/NDF: 1624646.5/23

All: 29.245+/-0.004 χ^2/NDF: 2845655.2/49

- sign 29.638+/-0.006 χ^2/NDF: 1212107.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.5/7

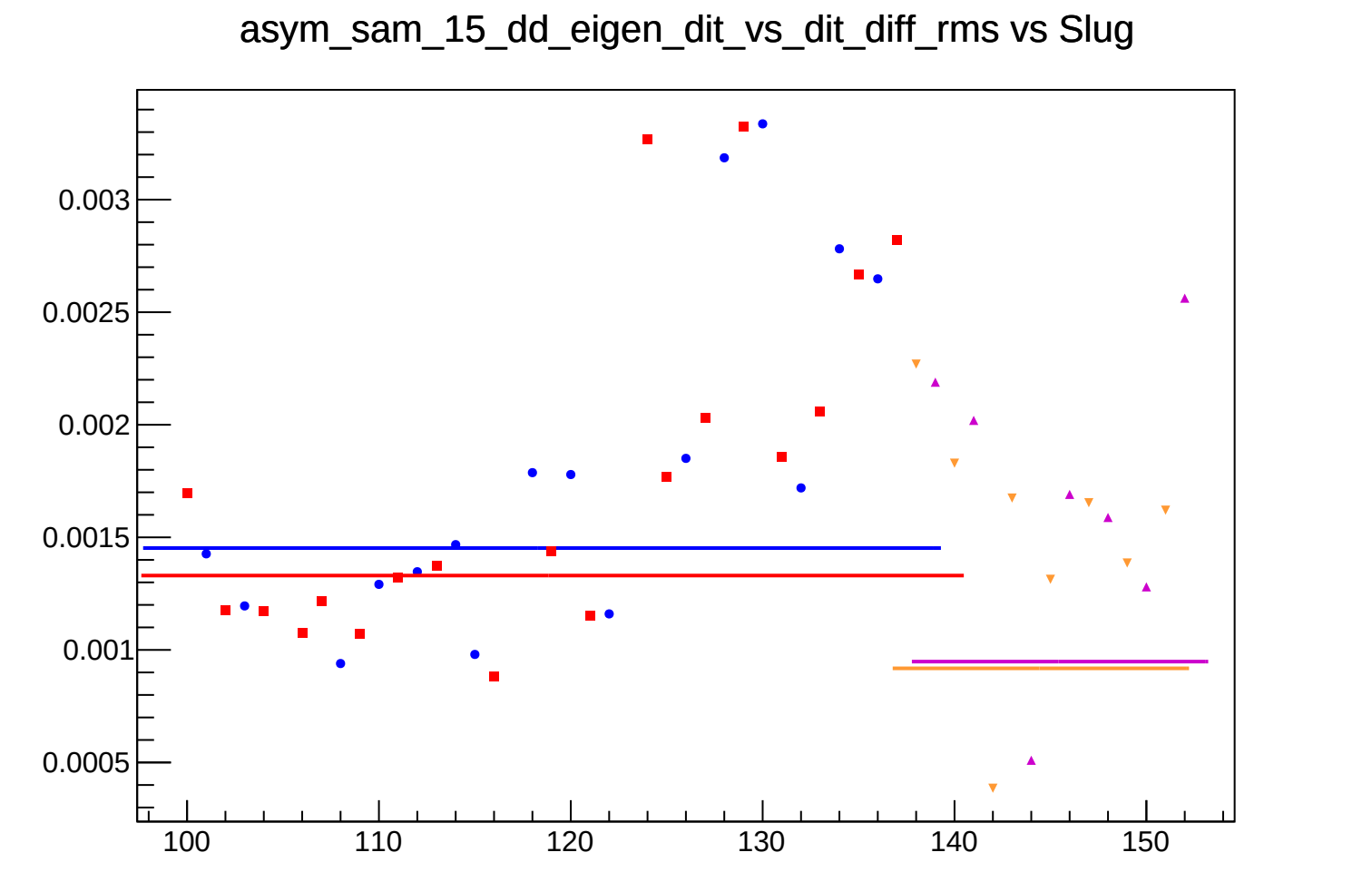
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/23

All: 0.000+/-0.000 χ^2/NDF: 44.8/49

- sign 0.000+/-0.000 χ^2/NDF: 21.2/25



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3778560.6/7

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

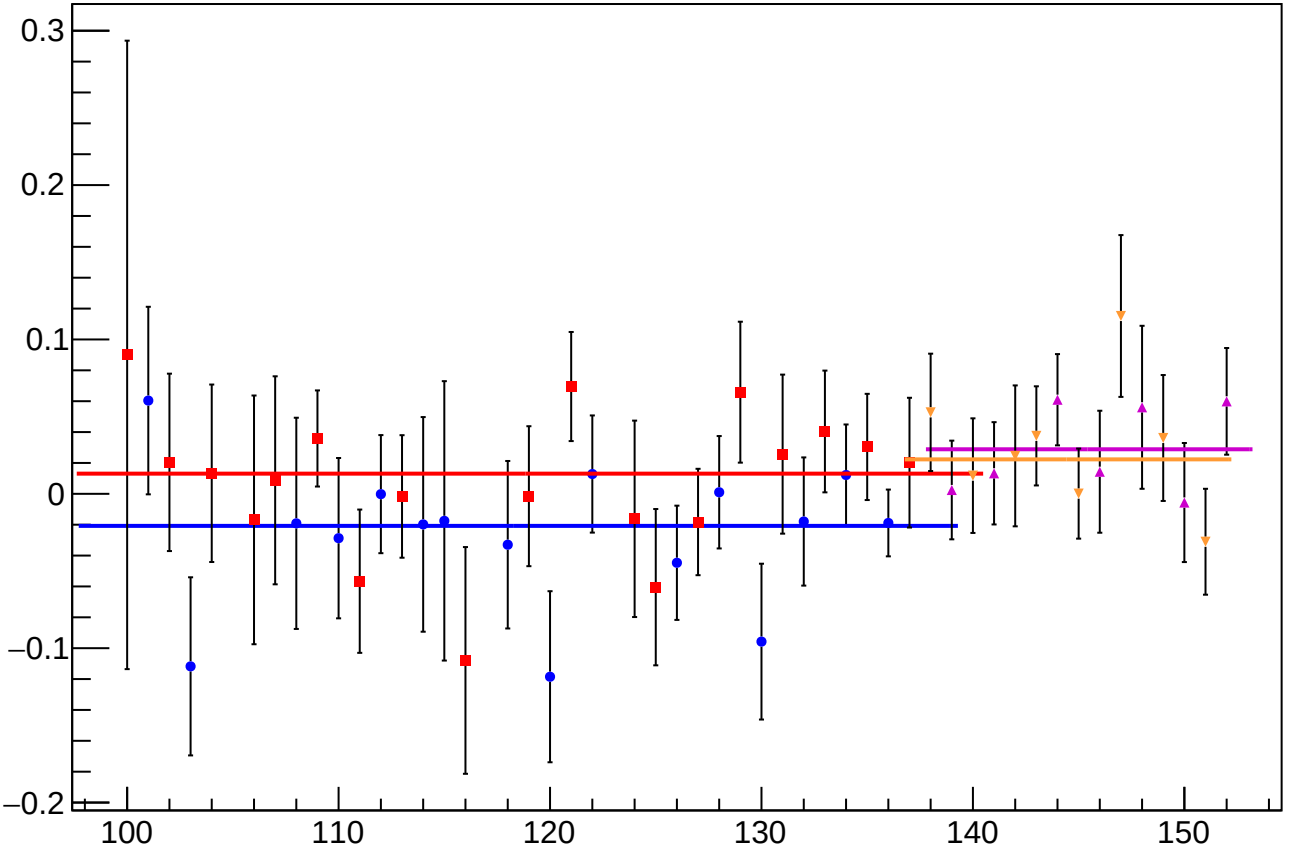
Left In: 0.001+/-0.000 χ^2/NDF:3580302.5/6

+ sign 0.001+/-0.000 χ^2/NDF: 6551156.1/23

All: 0.001+/-0.000 χ^2/NDF: 12137189.1/49

- sign 0.001+/-0.000 χ^2/NDF: 5585933.9/25

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: 0.022+/-0.013 χ^2/NDF:7.2/7

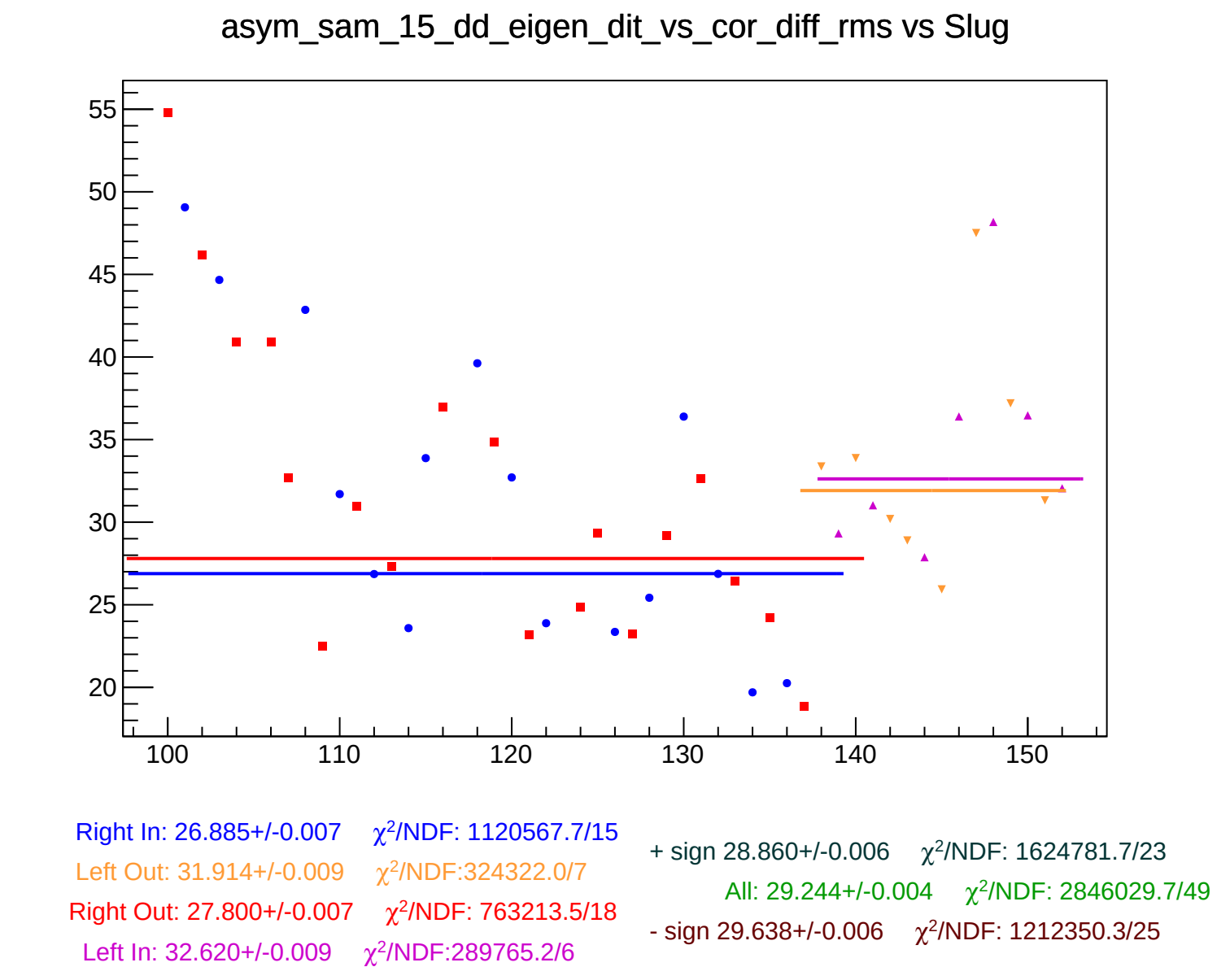
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.029+/-0.013 χ^2/NDF:4.1/6

+ sign -0.004+/-0.008 χ^2/NDF: 26.3/23

All: 0.007+/-0.006 χ^2/NDF: 49.1/49

- sign 0.019+/-0.008 χ^2/NDF: 18.8/25


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
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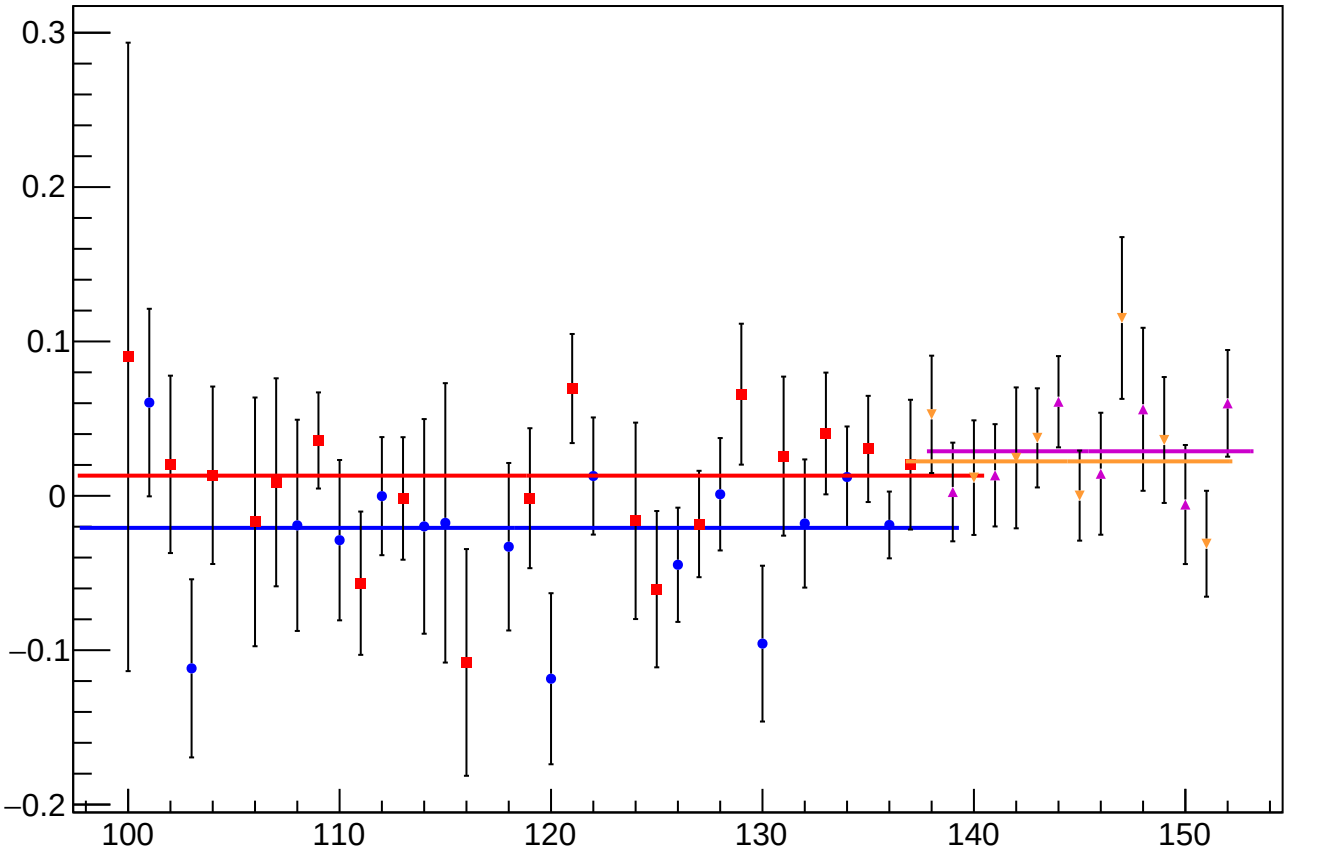
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 31.914+/-0.009 χ²/NDF:324322.0/7
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.620+/-0.009 χ²/NDF:289765.2/6
+ sign 28.860+/-0.006 χ²/NDF: 1624781.7/23
All: 29.244+/-0.004 χ²/NDF: 2846029.7/49
- sign 29.638+/-0.006 χ²/NDF: 1212350.3/25



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.022+/-0.013 χ^2/NDF:7.2/7

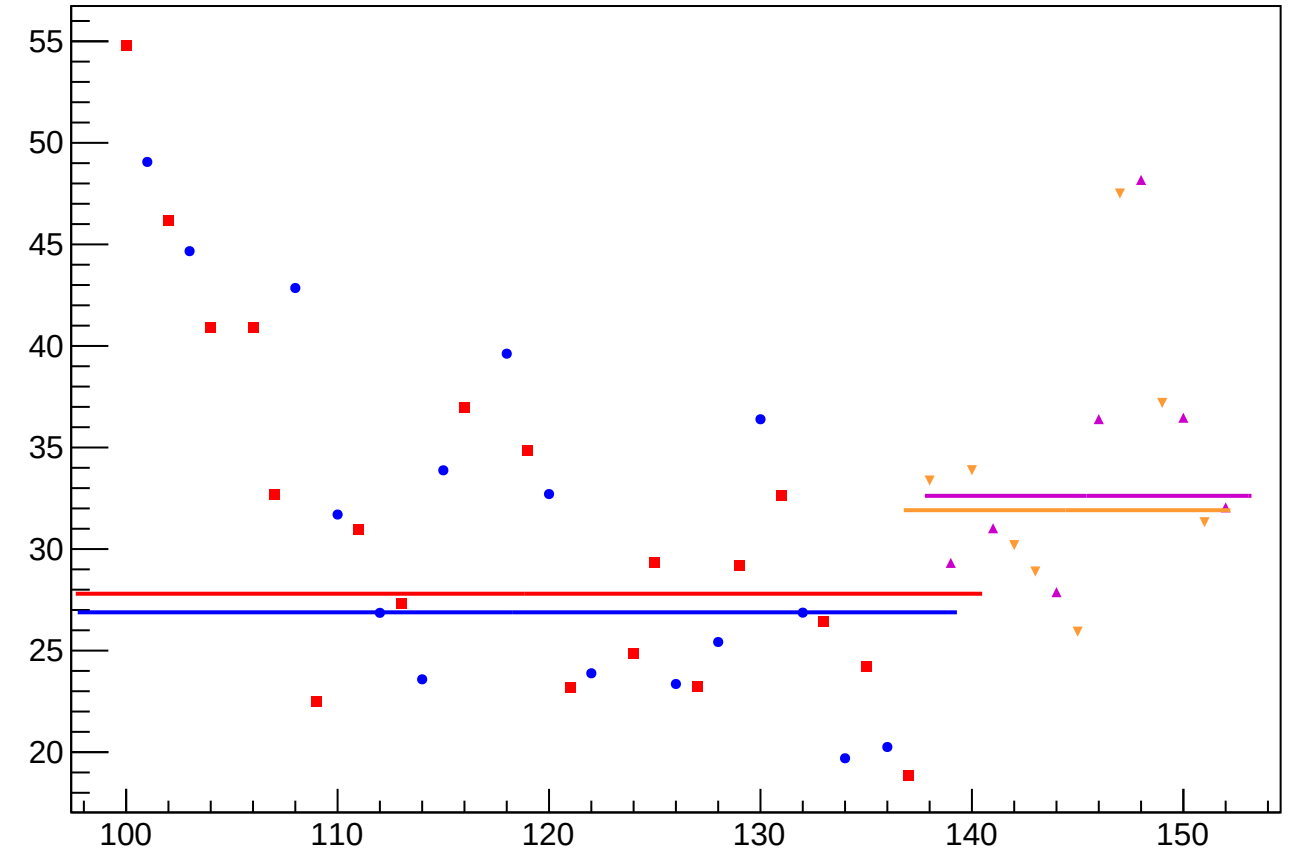
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.029+/-0.013 χ^2/NDF:4.1/6

+ sign -0.004+/-0.008 χ^2/NDF: 26.3/23

All: 0.007+/-0.006 χ^2/NDF: 49.1/49

- sign 0.019+/-0.008 χ^2/NDF: 18.8/25



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.914+/-0.009 χ^2/NDF:324322.0/7

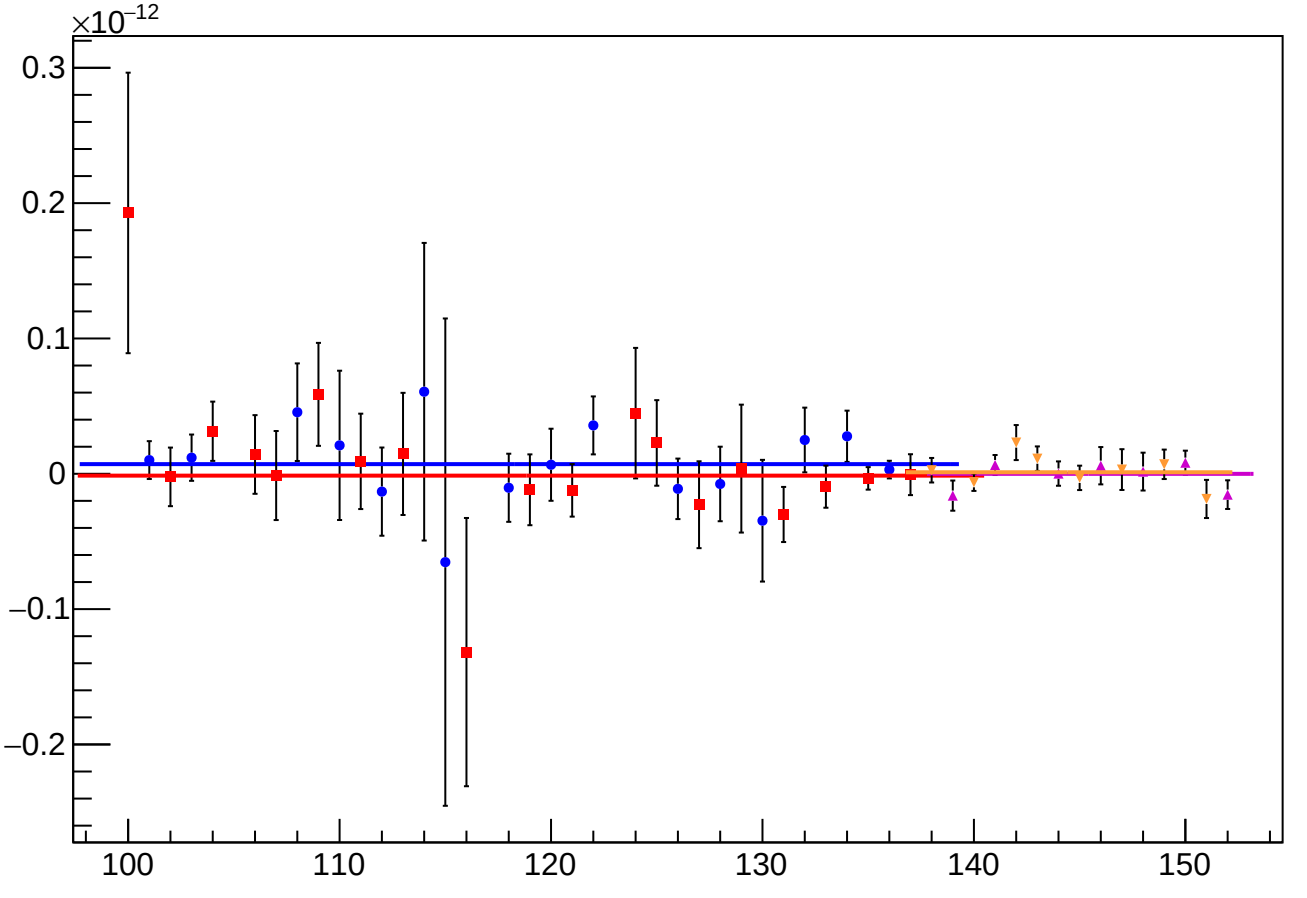
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.620+/-0.009 χ^2/NDF:289765.2/6

+ sign 28.860+/-0.006 χ^2/NDF: 1624781.7/23

All: 29.244+/-0.004 χ^2/NDF: 2846029.7/49

- sign 29.638+/-0.006 χ^2/NDF: 1212350.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/7

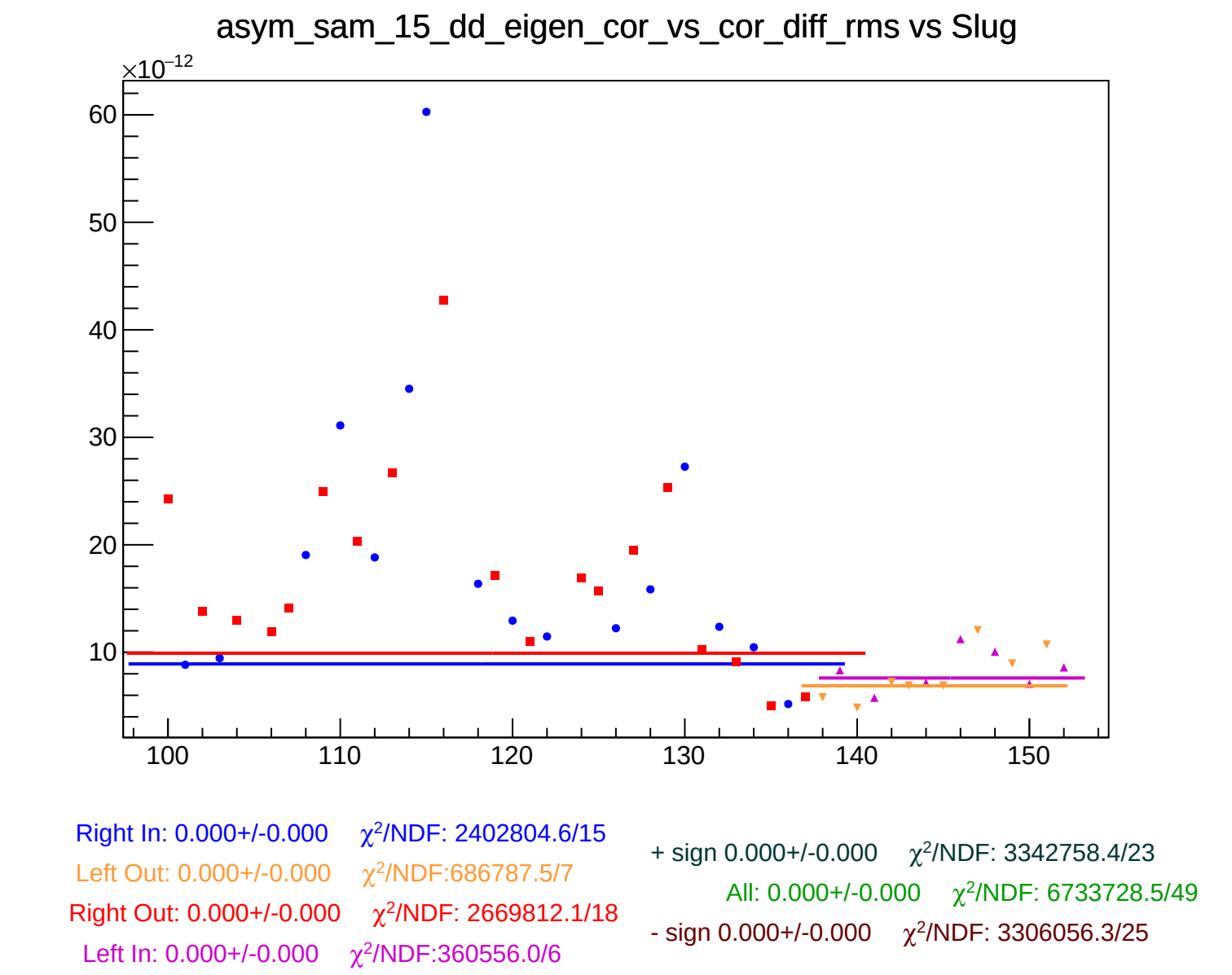
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 17.3/23

All: 0.000+/-0.000 χ^2/NDF: 39.6/49

- sign -0.000+/-0.000 χ^2/NDF: 21.3/25


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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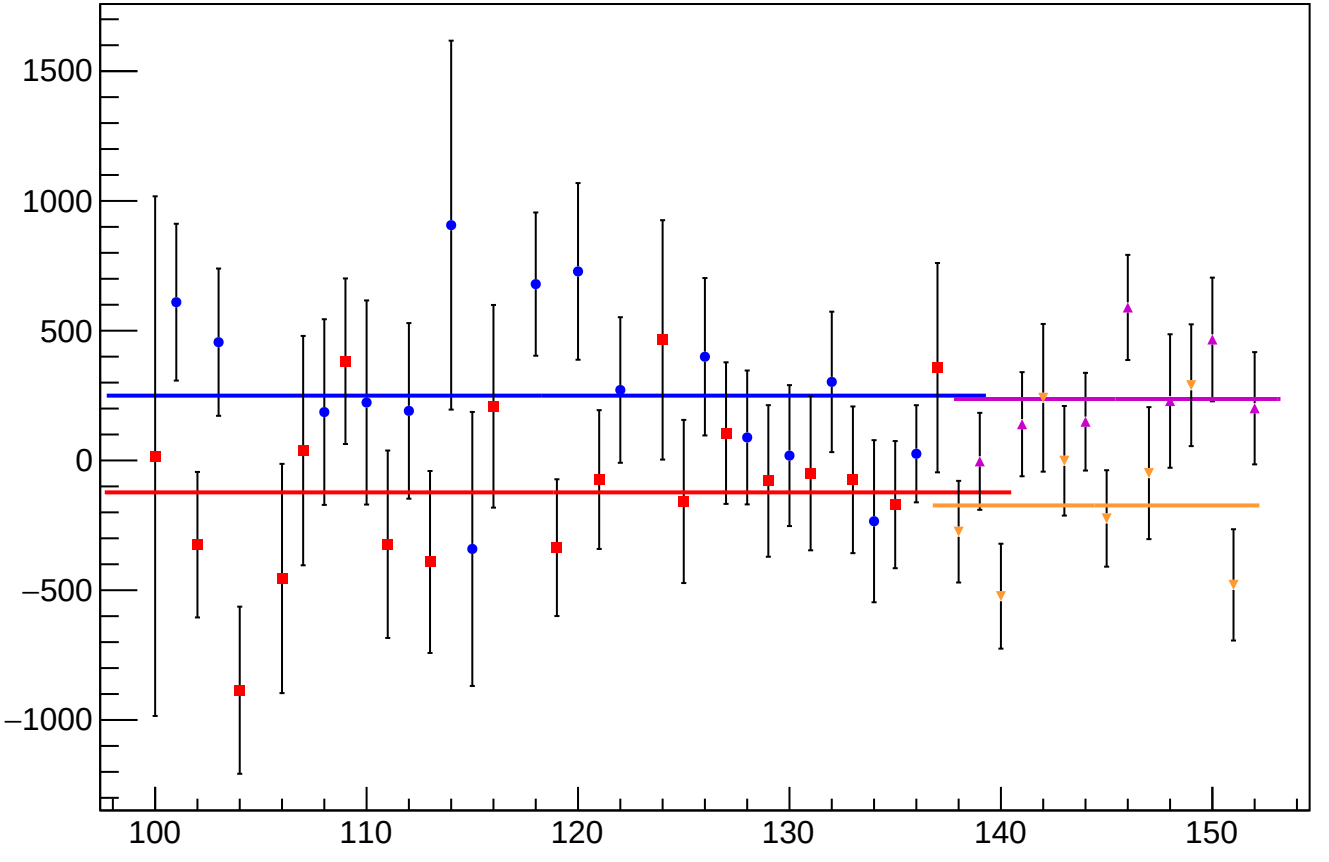
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:686787.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:360556.0/6
+ sign 0.000+/-0.000 χ²/NDF: 3342758.4/23
All: 0.000+/-0.000 χ²/NDF: 6733728.5/49
- sign 0.000+/-0.000 χ²/NDF: 3306056.3/25

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -173.248+/-76.774 χ^2/NDF:12.3/7

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

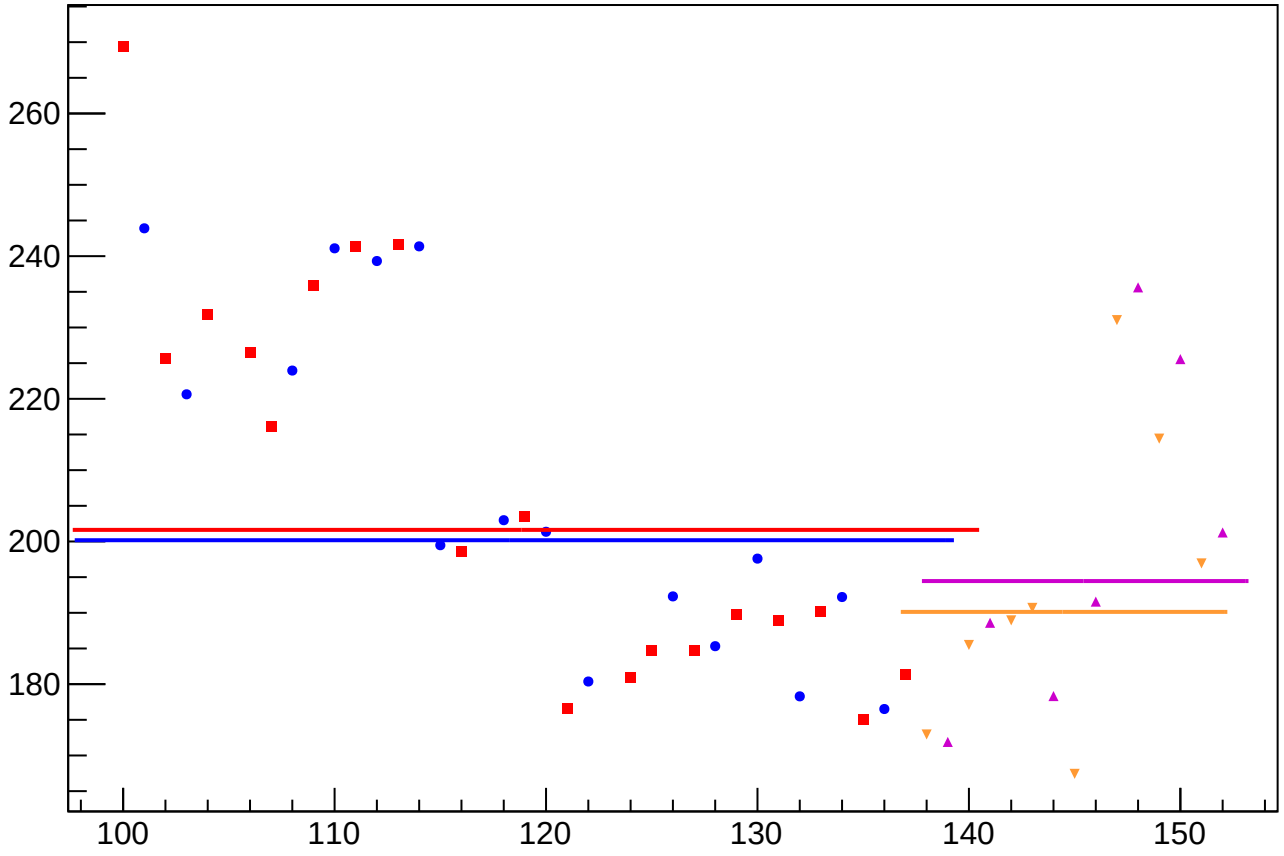
Left In: 236.782+/-79.011 χ^2/NDF:6.1/6

+ sign 43.546+/-53.604 χ^2/NDF: 41.6/23

All: 44.770+/-38.097 χ^2/NDF: 74.3/49

- sign 46.018+/-54.154 χ^2/NDF: 32.6/25

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 190.130+/-0.054 χ^2/NDF:121530.0/7

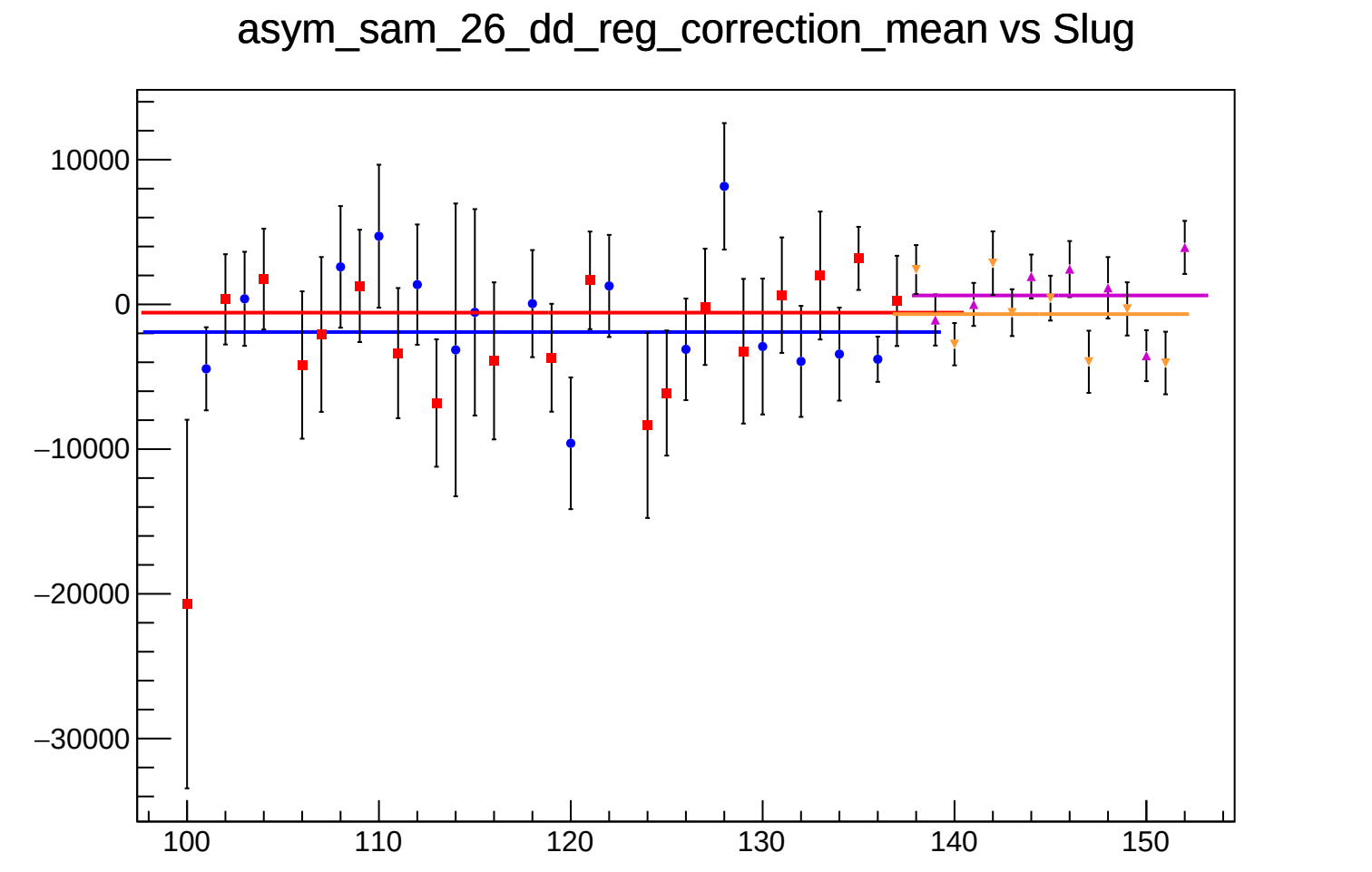
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 194.452+/-0.056 χ^2/NDF:133251.4/6

+ sign 195.279+/-0.038 χ^2/NDF: 320083.7/23

All: 196.753+/-0.027 χ^2/NDF: 662379.4/49

- sign 198.257+/-0.038 χ^2/NDF: 339242.2/25



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -671.665+/-626.139 χ^2/NDF:13.3/7

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

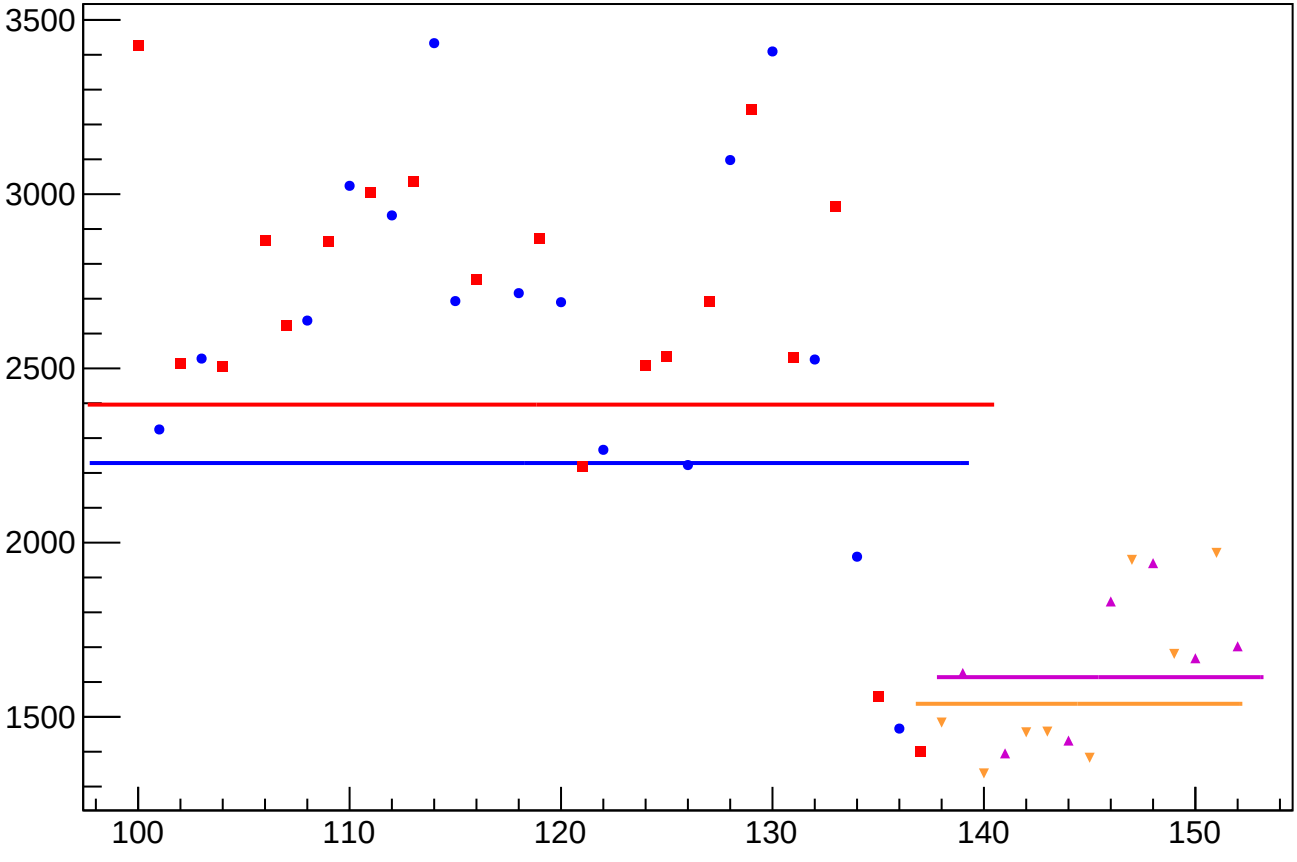
Left In: 617.385+/-657.200 χ^2/NDF:11.6/6

+ sign -1101.391+/-506.003 χ^2/NDF: 30.9/23

All: -479.778+/-366.267 χ^2/NDF: 61.5/49

- sign 204.377+/-530.848 χ^2/NDF: 27.4/25

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1537.540+/-0.443 χ^2/NDF:233468.4/7

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

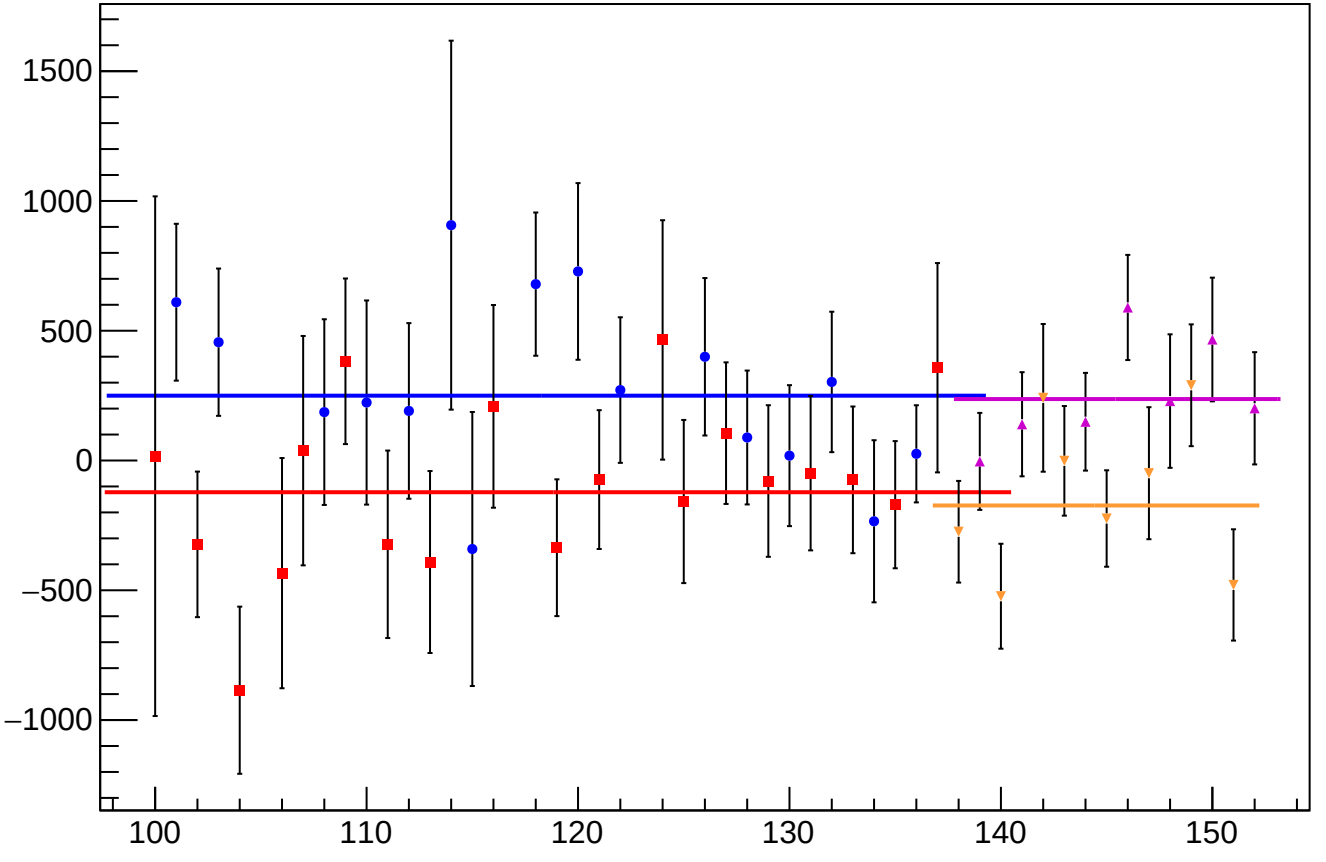
Left In: 1613.992+/-0.465 χ^2/NDF:151412.6/6

+ sign 1777.225+/-0.358 χ^2/NDF: 2025896.1/23

All: 1828.916+/-0.259 χ^2/NDF: 4004982.3/49

- sign 1885.809+/-0.375 χ^2/NDF: 1935242.6/25

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -173.249+/-76.774 χ^2/NDF:12.3/7

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

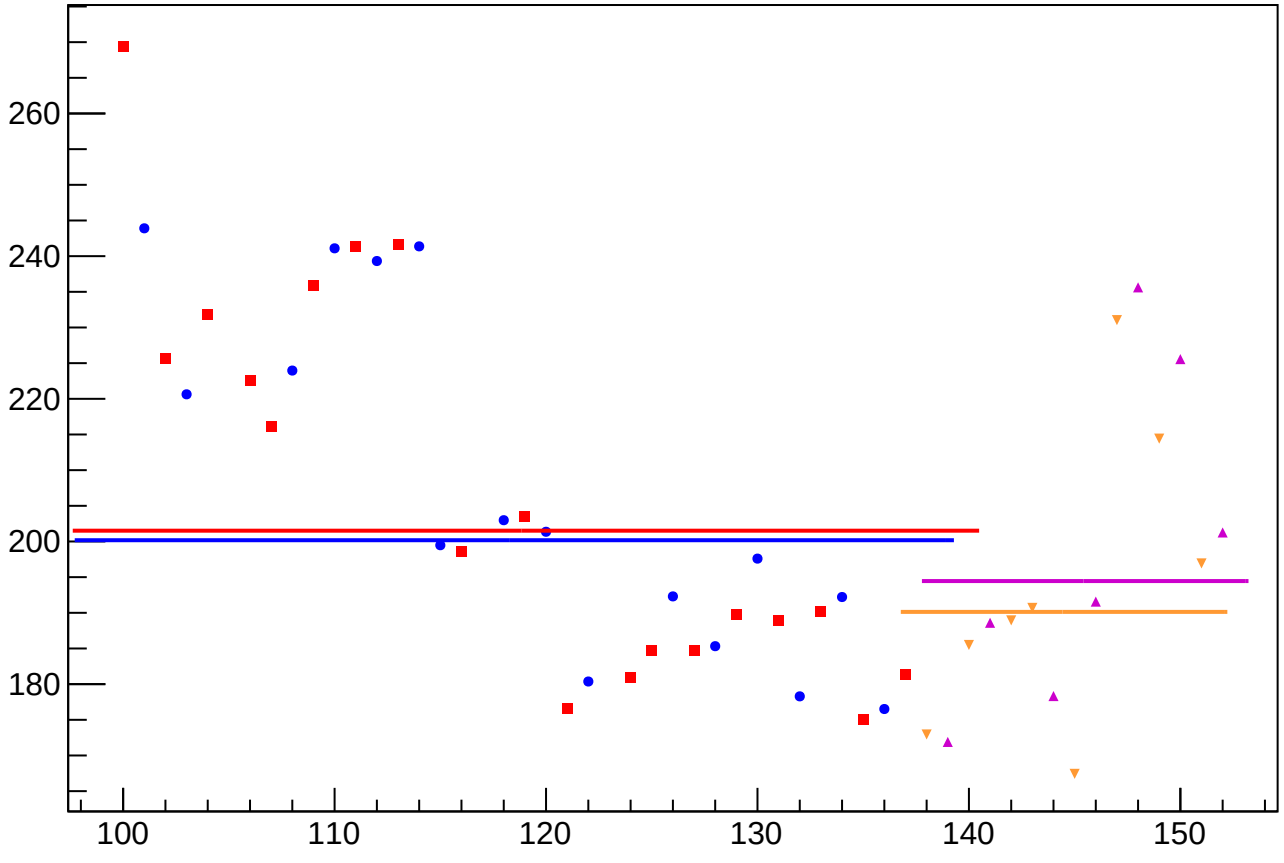
Left In: 236.777+/-79.011 χ^2/NDF:6.1/6

+ sign 43.547+/-53.604 χ^2/NDF: 41.6/23

All: 44.987+/-38.098 χ^2/NDF: 74.1/49

- sign 46.456+/-54.158 χ^2/NDF: 32.5/25

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 190.130+/-0.054 χ^2/NDF:121530.0/7

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

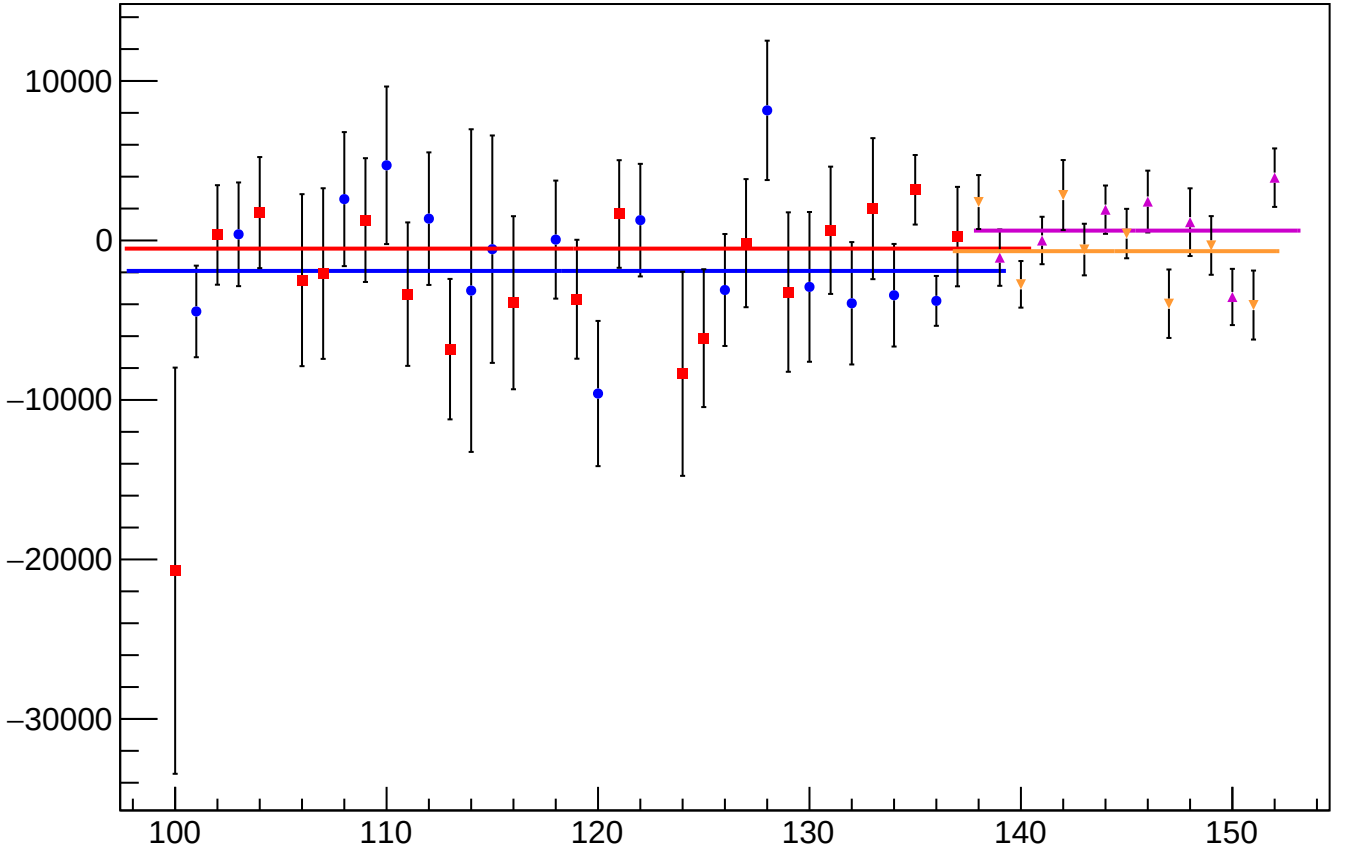
Left In: 194.452+/-0.056 χ^2/NDF:133251.4/6

+ sign 195.279+/-0.038 χ^2/NDF: 320084.1/23

All: 196.723+/-0.027 χ^2/NDF: 660168.8/49

- sign 198.196+/-0.038 χ^2/NDF: 337153.8/25

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -671.667+/-626.139 χ^2/NDF:13.3/7

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

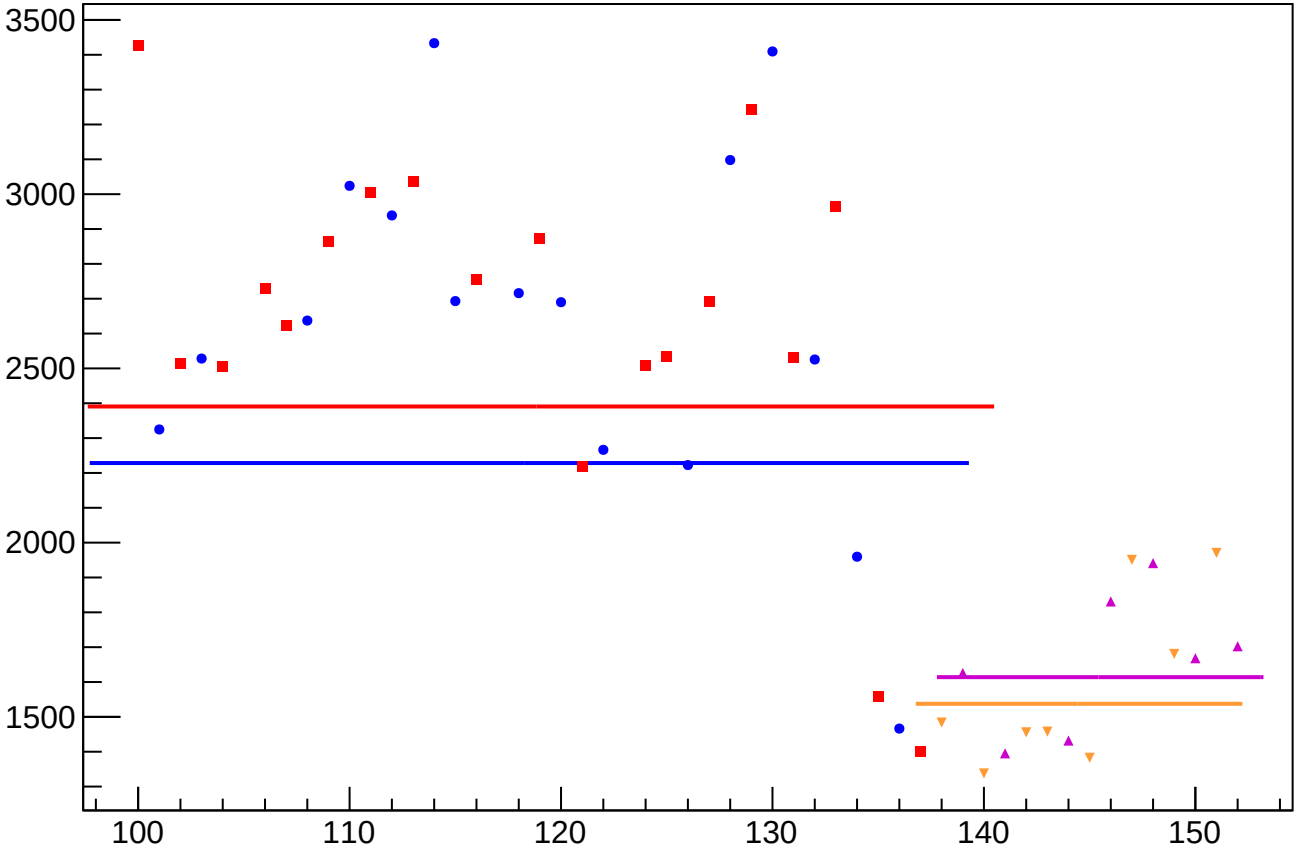
Left In: 617.369+/-657.201 χ^2/NDF:11.6/6

+ sign -1101.378+/-506.003 χ^2/NDF: 30.9/23

All: -469.880+/-366.372 χ^2/NDF: 61.1/49

- sign 225.993+/-531.168 χ^2/NDF: 26.9/25

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1537.539+/-0.443 χ^2/NDF:233468.5/7

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

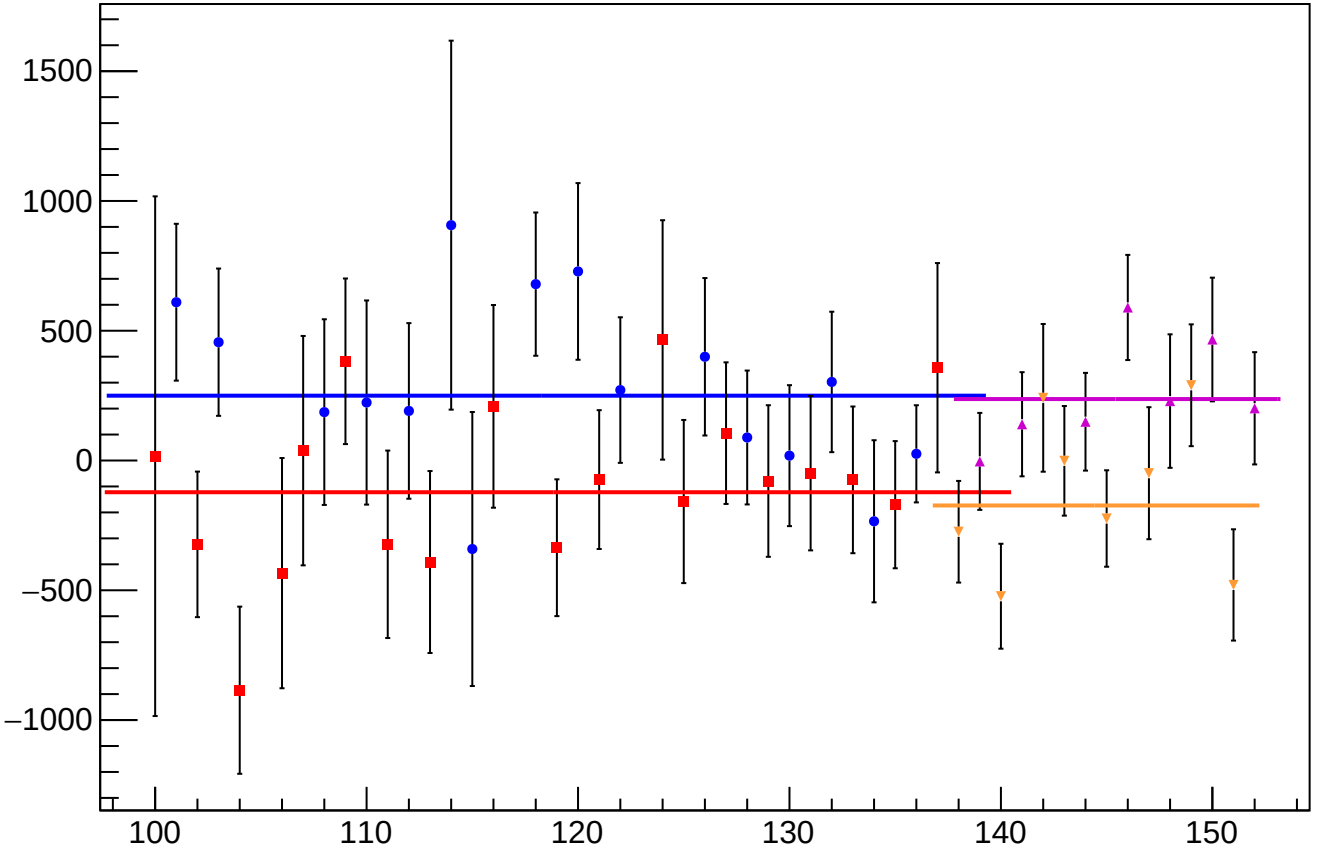
Left In: 1613.992+/-0.465 χ^2/NDF:151413.4/6

+ sign 1777.226+/-0.358 χ^2/NDF: 2025908.5/23

All: 1827.709+/-0.259 χ^2/NDF: 3977942.8/49

- sign 1883.340+/-0.376 χ^2/NDF: 1910188.8/25

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -173.249+/-76.774 χ^2/NDF:12.3/7

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

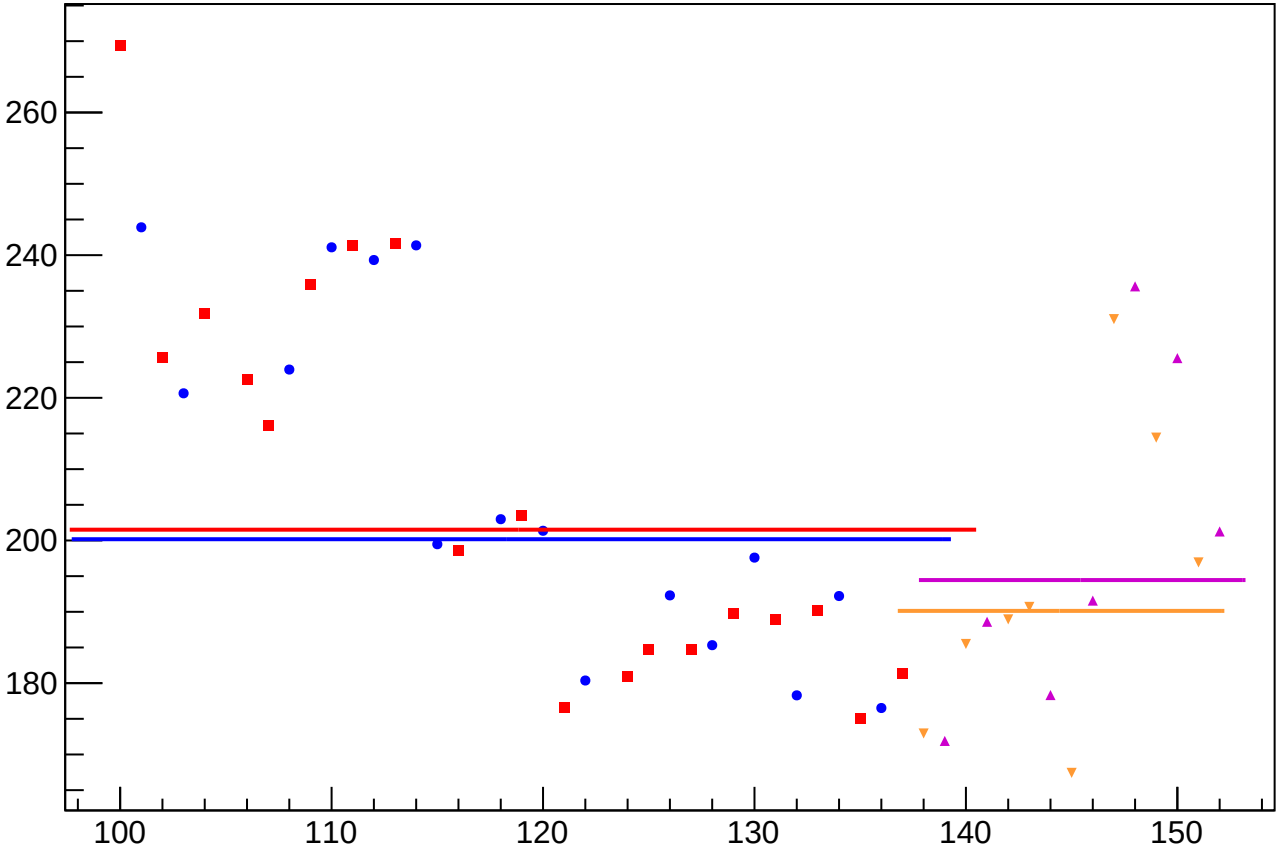
Left In: 236.777+/-79.011 χ^2/NDF:6.1/6

+ sign 43.547+/-53.604 χ^2/NDF: 41.6/23

All: 44.987+/-38.098 χ^2/NDF: 74.1/49

- sign 46.456+/-54.158 χ^2/NDF: 32.5/25

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 190.130+/-0.054 χ^2/NDF:121530.0/7

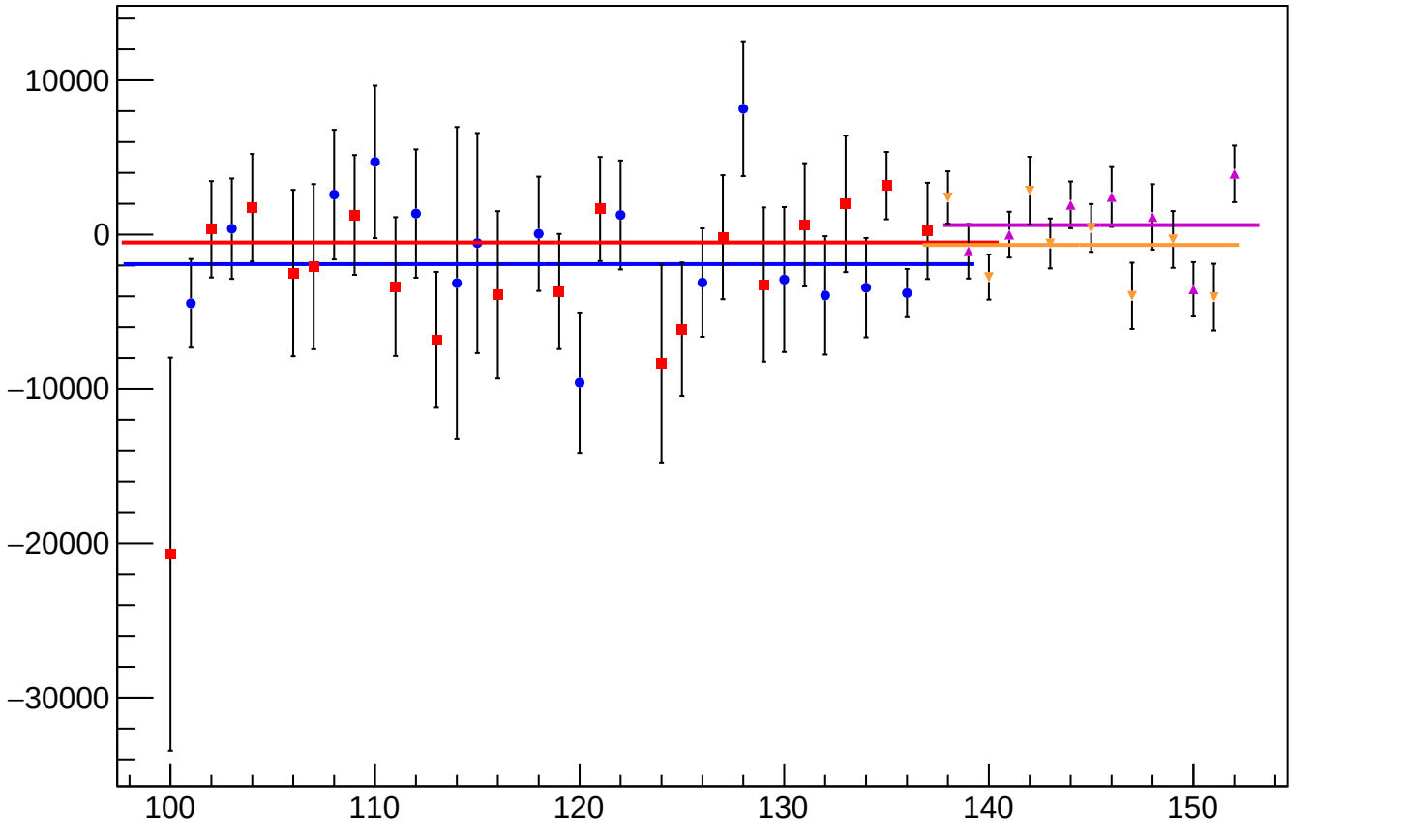
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 194.452+/-0.056 χ^2/NDF:133251.4/6

+ sign 195.279+/-0.038 χ^2/NDF: 320084.1/23

All: 196.723+/-0.027 χ^2/NDF: 660168.8/49

- sign 198.196+/-0.038 χ^2/NDF: 337153.8/25



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -671.667+/-626.139 χ^2/NDF:13.3/7

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

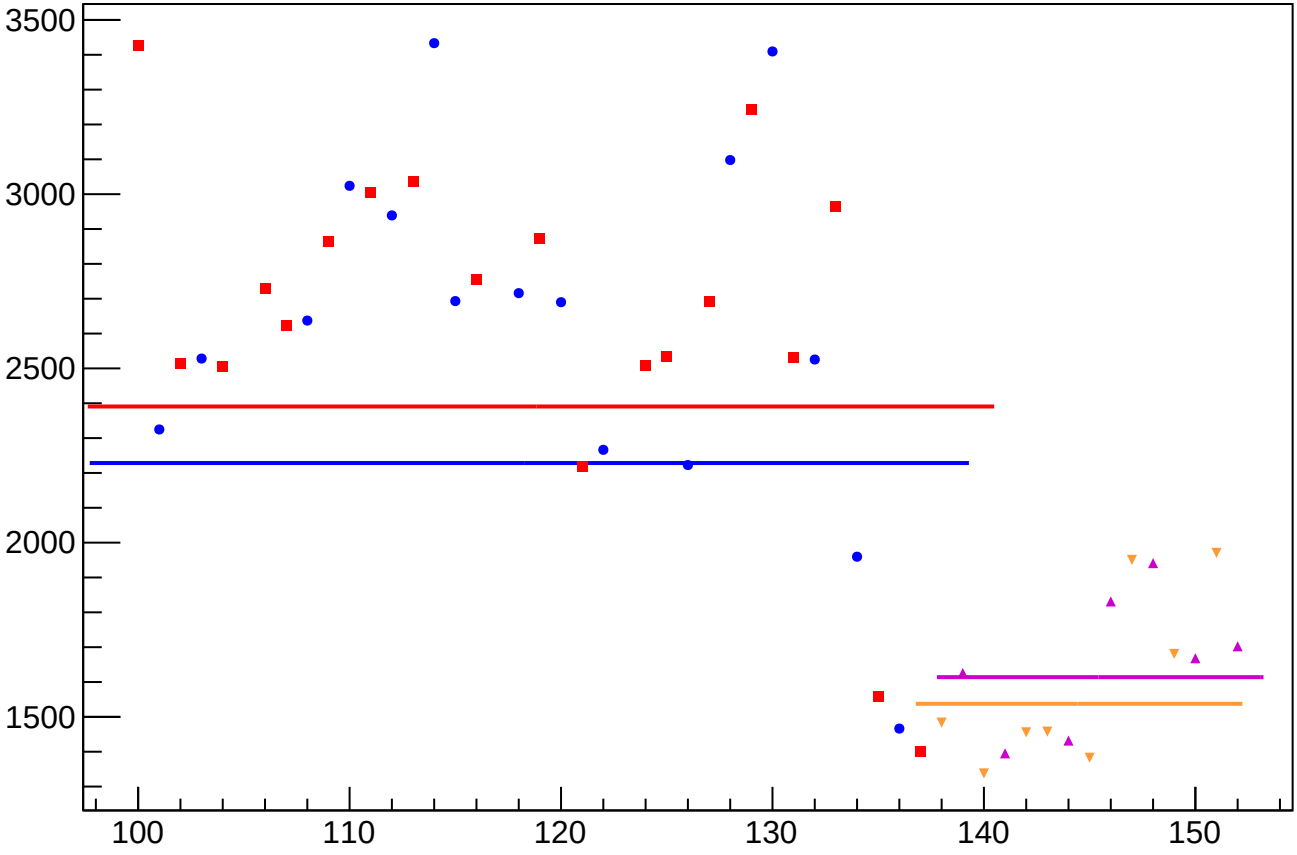
Left In: 617.369+/-657.201 χ^2/NDF:11.6/6

+ sign -1101.378+/-506.003 χ^2/NDF: 30.9/23

All: -469.880+/-366.372 χ^2/NDF: 61.1/49

- sign 225.993+/-531.168 χ^2/NDF: 26.9/25

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1537.539+/-0.443 χ^2/NDF:233468.5/7

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

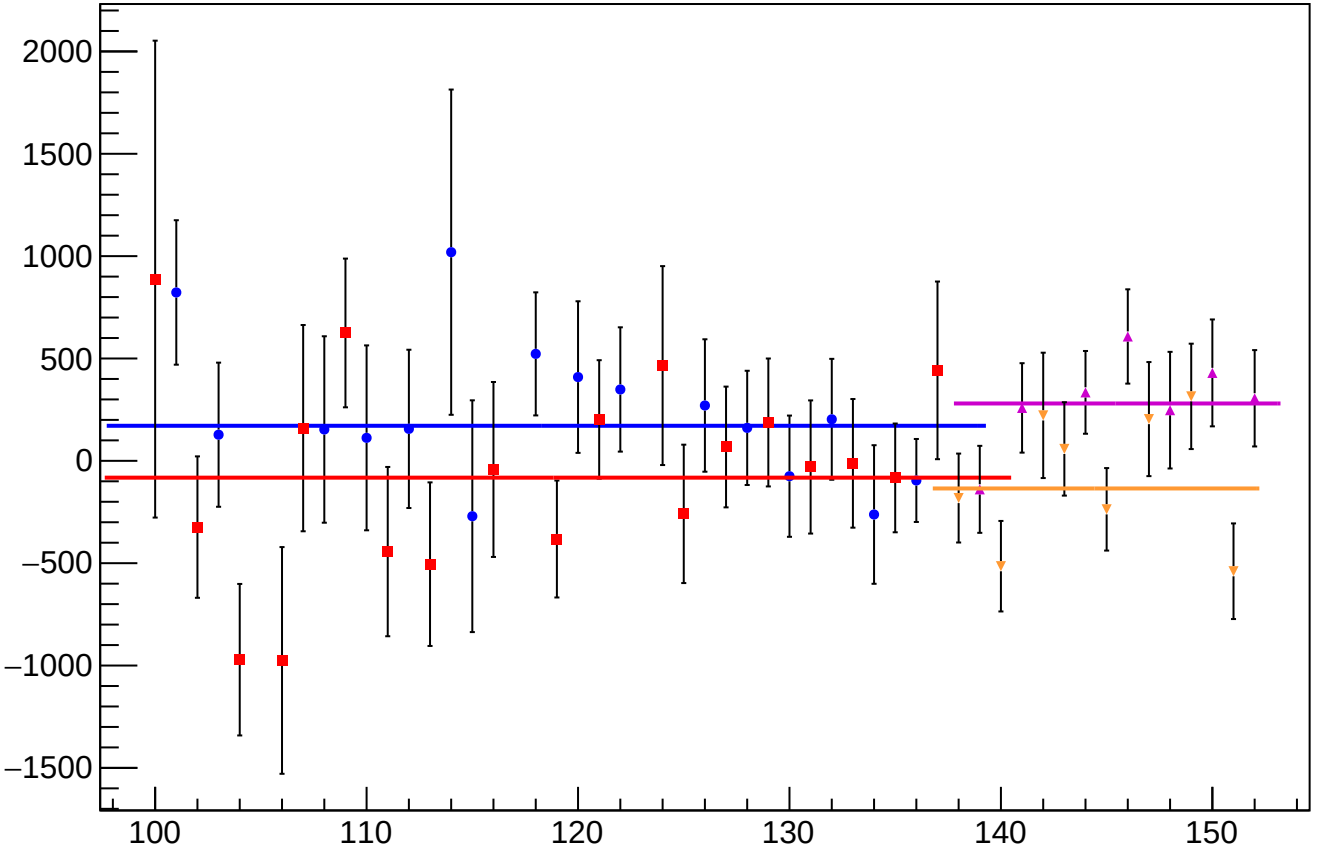
Left In: 1613.992+/-0.465 χ^2/NDF:151413.4/6

+ sign 1777.226+/-0.358 χ^2/NDF: 2025908.5/23

All: 1827.709+/-0.259 χ^2/NDF: 3977942.8/49

- sign 1883.340+/-0.376 χ^2/NDF: 1910188.8/25

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -134.980+/-83.779 χ^2/NDF:12.9/7

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

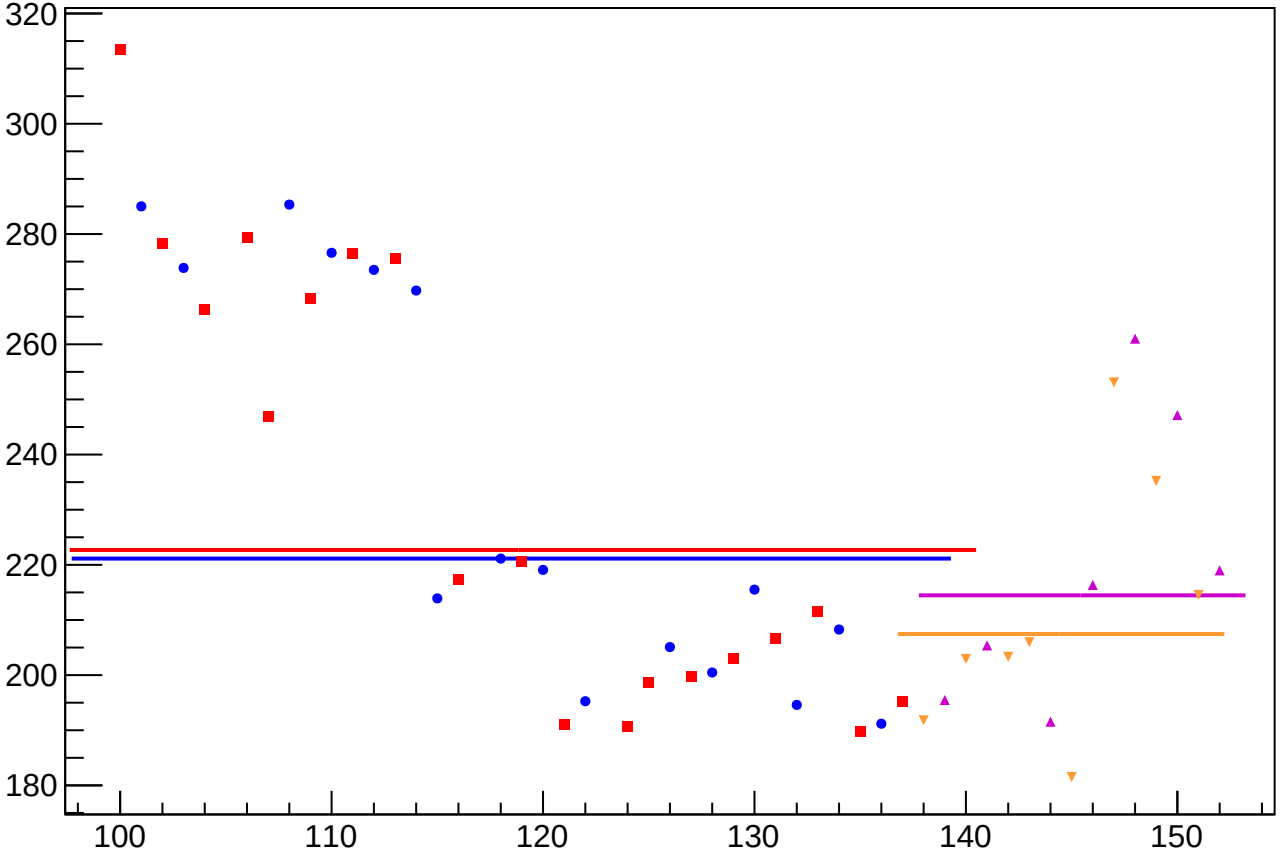
Left In: 280.227+/-87.217 χ^2/NDF:6.4/6

+ sign 19.357+/-59.005 χ^2/NDF: 31.1/23

All: 53.659+/-42.054 χ^2/NDF: 68.8/49

- sign 89.072+/-59.952 χ^2/NDF: 37.1/25

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 207.460+/-0.059 χ^2/NDF:123558.5/7

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

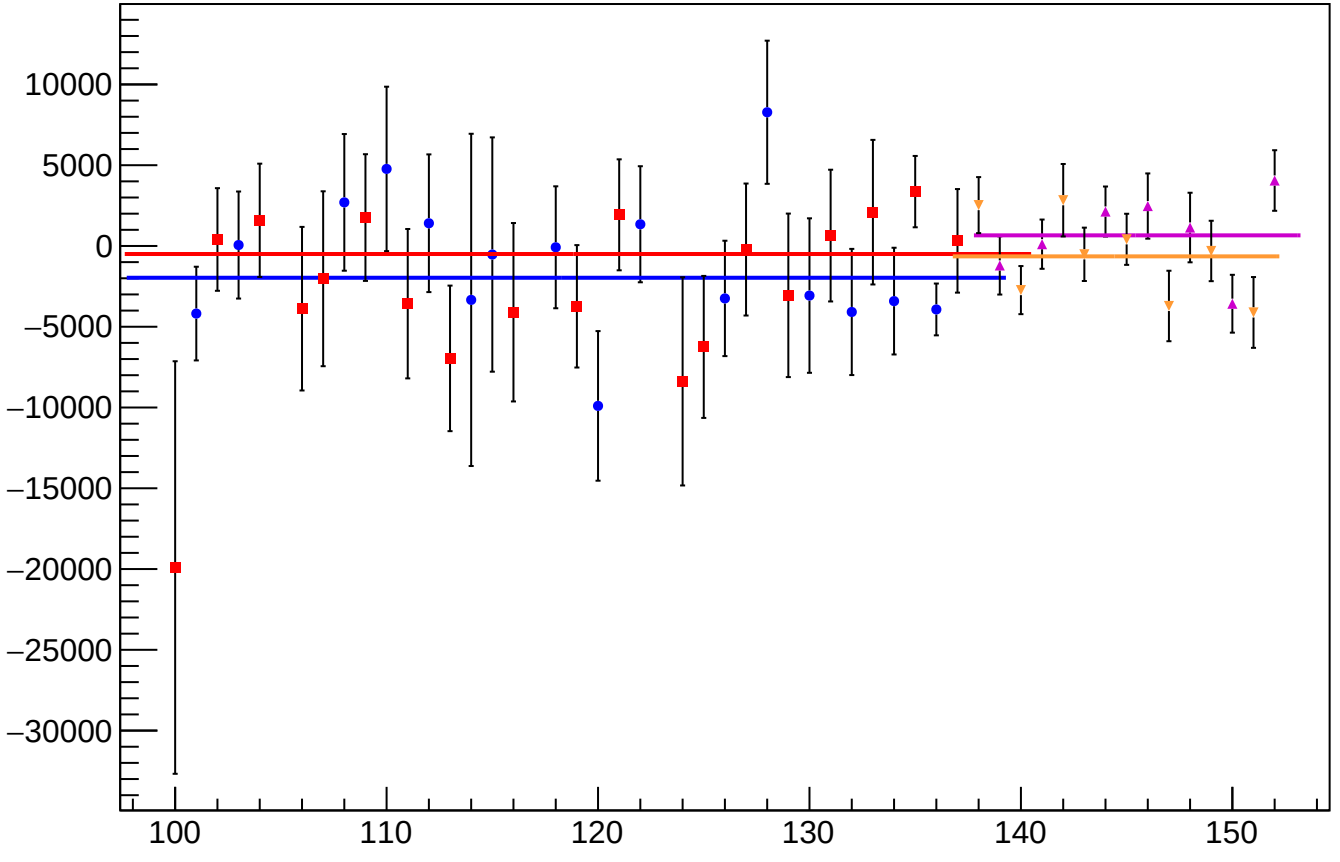
Left In: 214.465+/-0.062 χ^2/NDF:130789.6/6

+ sign 214.354+/-0.042 χ^2/NDF: 469130.3/23

All: 216.545+/-0.030 χ^2/NDF: 941957.3/49

- sign 218.808+/-0.042 χ^2/NDF: 467220.5/25

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -643.299+/-638.405 χ^2/NDF:12.7/7

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

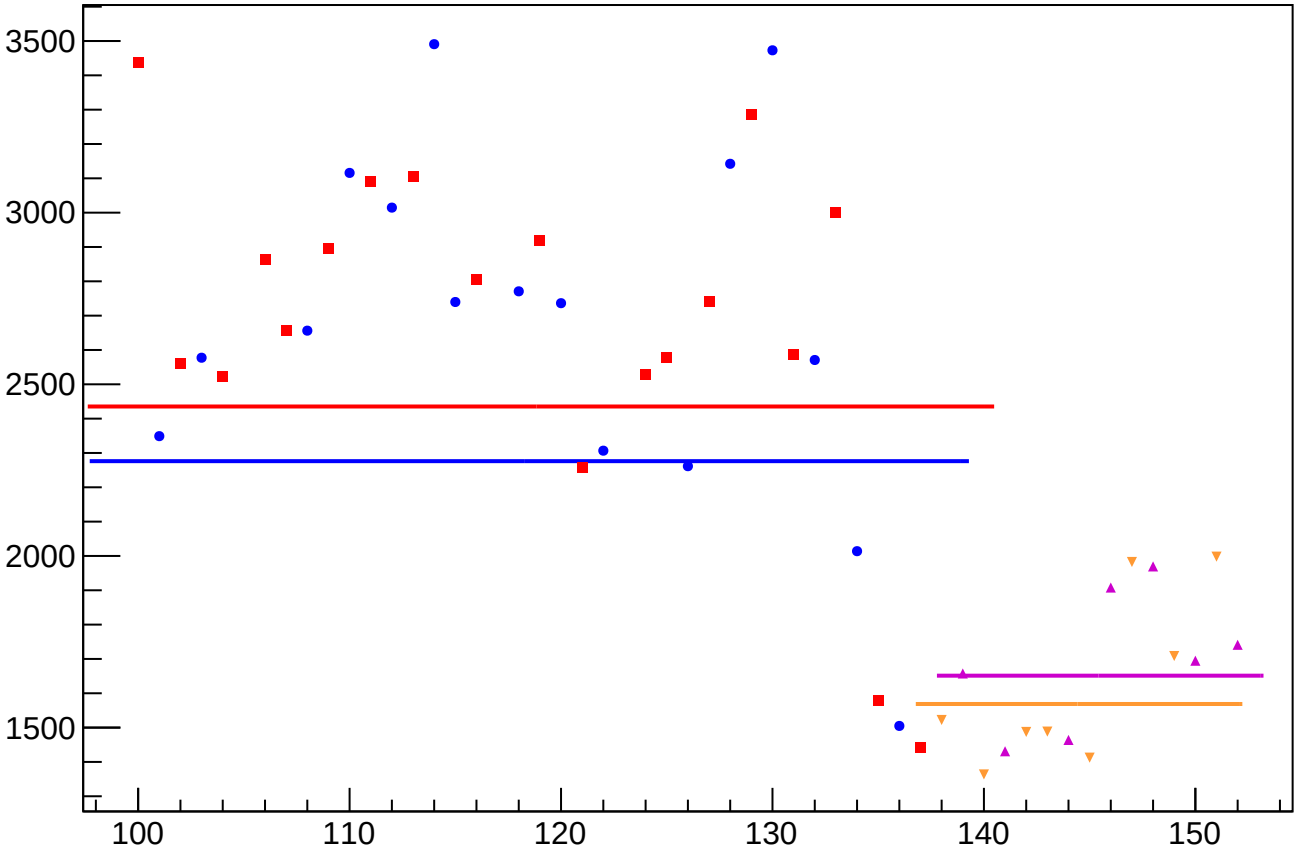
Left In: 657.731+/-672.333 χ^2/NDF:11.8/6

+ sign -1102.190+/-516.057 χ^2/NDF: 30.3/23

All: -457.663+/-373.659 χ^2/NDF: 61.2/49

- sign 252.629+/-541.746 χ^2/NDF: 27.6/25

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1568.765+/-0.451 χ^2/NDF:226162.4/7

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

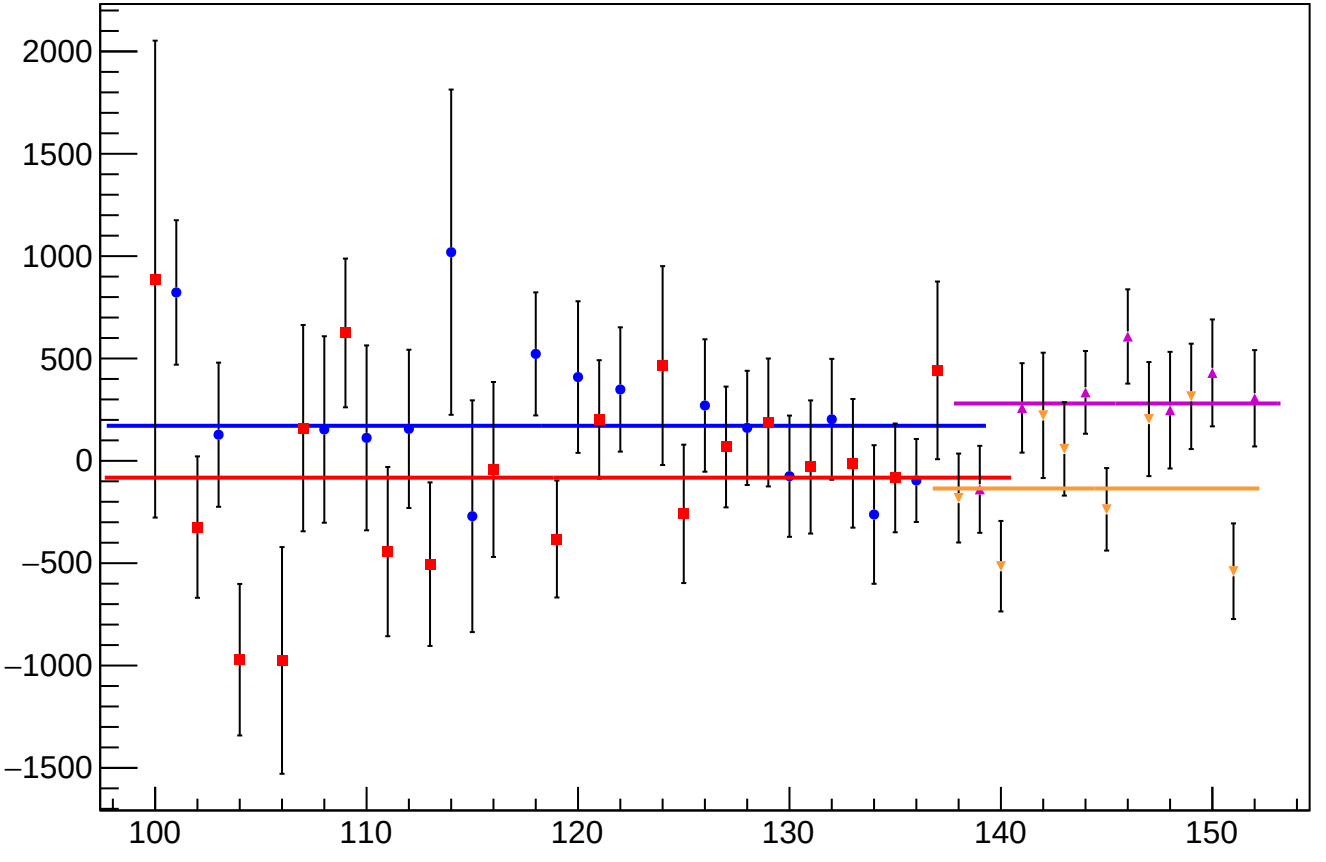
Left In: 1651.263+/-0.475 χ^2/NDF:152759.6/6

+ sign 1813.914+/-0.365 χ^2/NDF: 2004111.3/23

All: 1867.365+/-0.264 χ^2/NDF: 3947541.1/49

- sign 1926.271+/-0.383 χ^2/NDF: 1898328.4/25

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -134.983+/-83.779 χ^2/NDF:12.9/7

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

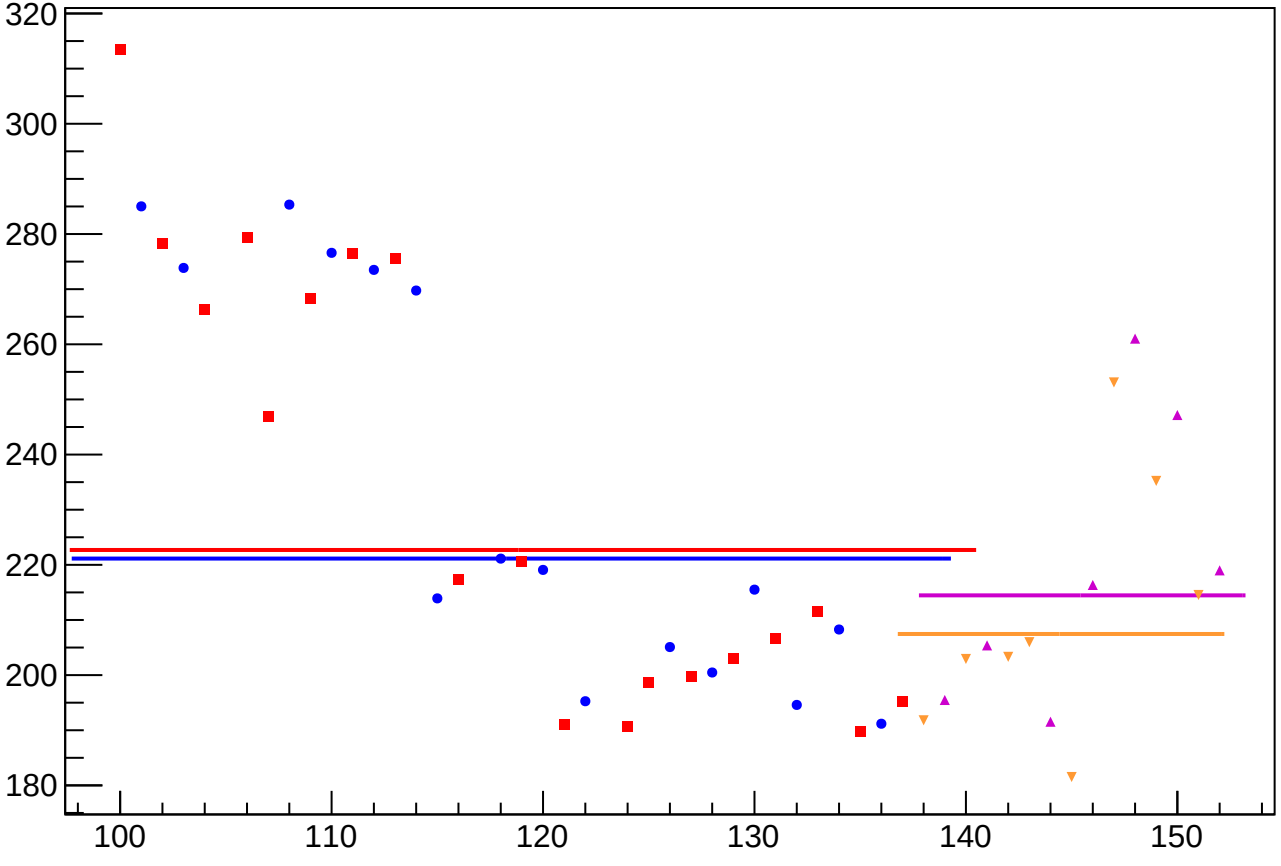
Left In: 280.228+/-87.217 χ^2/NDF:6.4/6

+ sign 19.357+/-59.005 χ^2/NDF: 31.1/23

All: 53.660+/-42.053 χ^2/NDF: 68.8/49

- sign 89.073+/-59.952 χ^2/NDF: 37.1/25

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 207.460+/-0.059 χ^2/NDF:123561.4/7

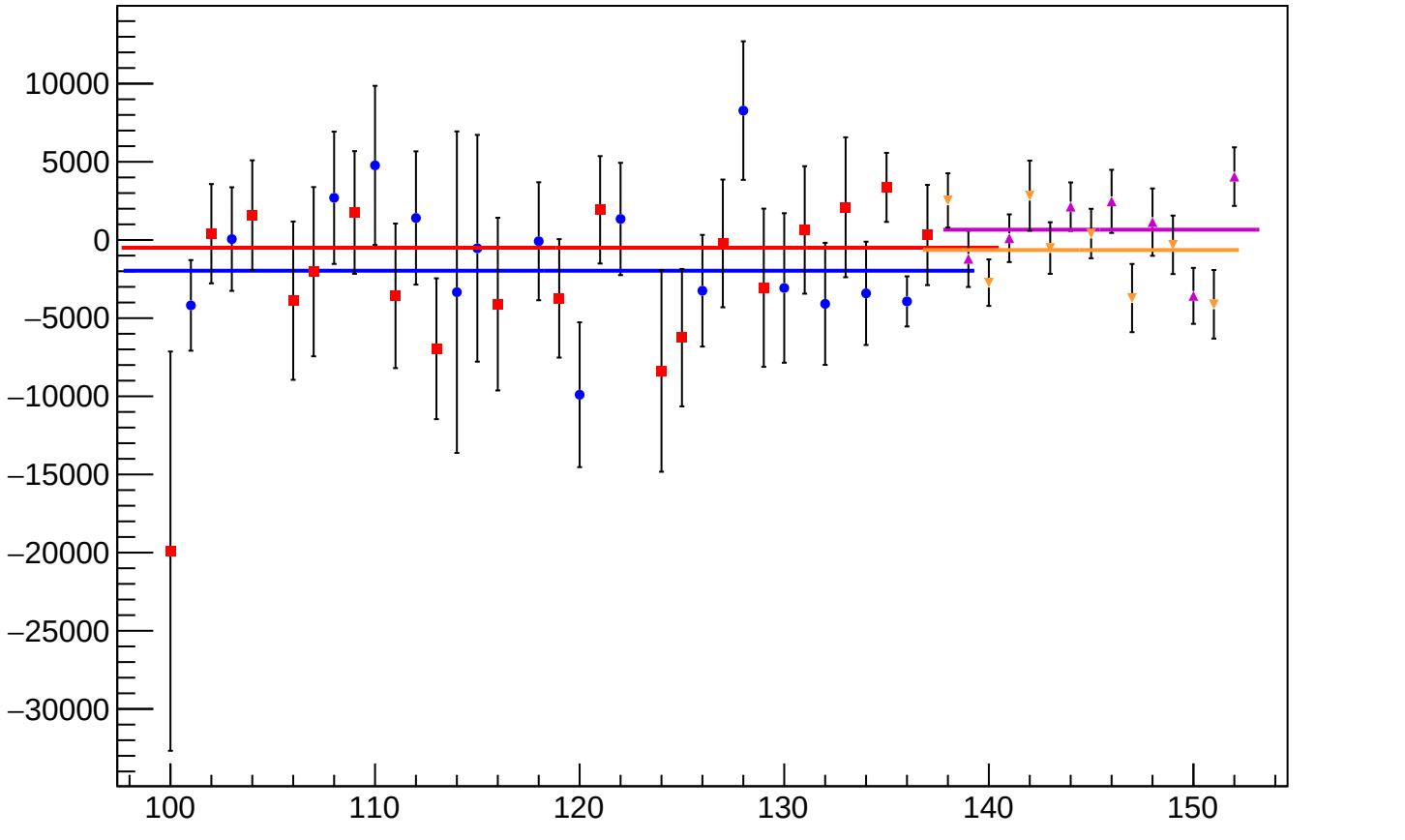
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 214.465+/-0.062 χ^2/NDF:130791.2/6

+ sign 214.353+/-0.042 χ^2/NDF: 469124.6/23

All: 216.545+/-0.030 χ^2/NDF: 941944.9/49

- sign 218.807+/-0.042 χ^2/NDF: 467213.4/25



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -643.301+/-638.405 χ^2/NDF:12.7/7

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

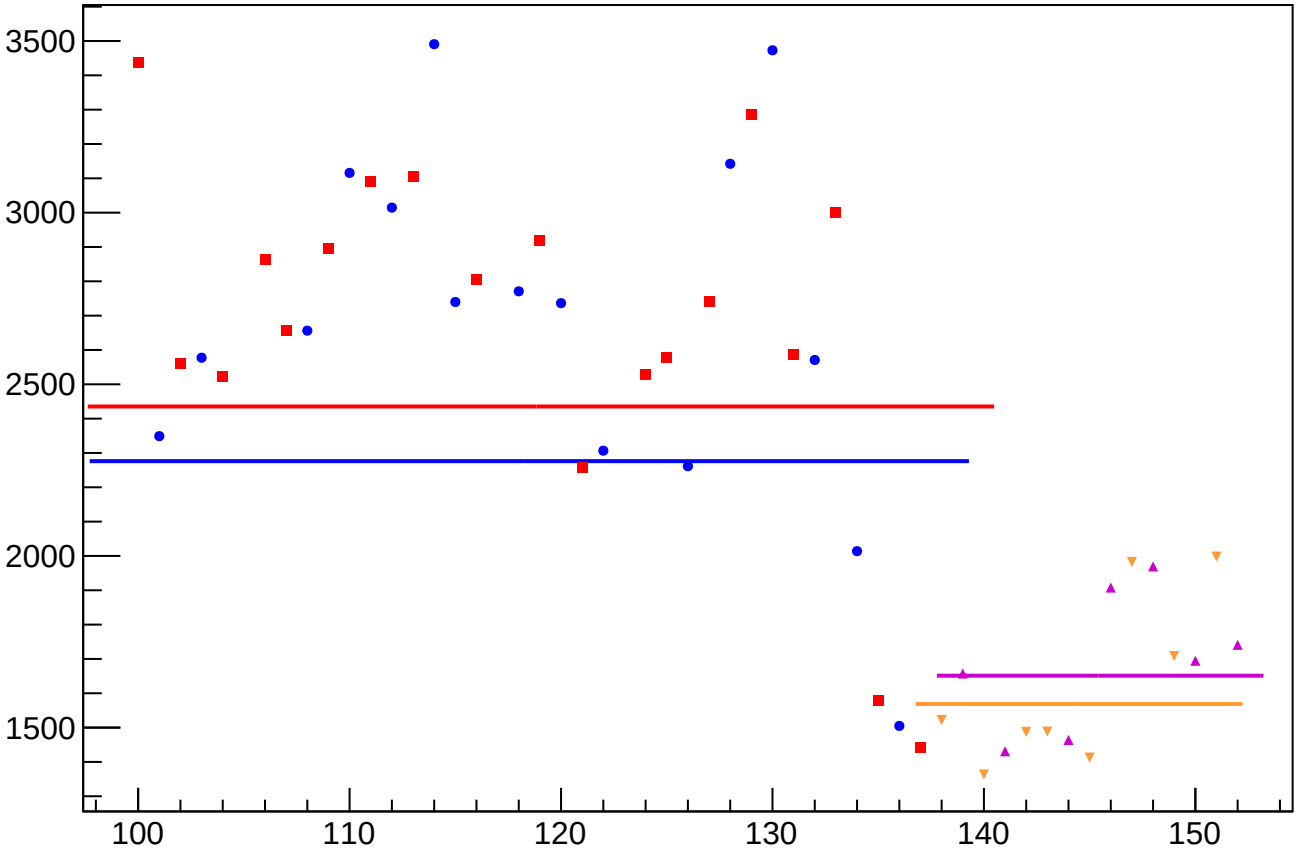
Left In: 657.729+/-672.333 χ^2/NDF:11.8/6

+ sign -1102.190+/-516.057 χ^2/NDF: 30.3/23

All: -457.664+/-373.659 χ^2/NDF: 61.2/49

- sign 252.626+/-541.745 χ^2/NDF: 27.6/25

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1568.764+/-0.451 χ^2/NDF:226163.7/7

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

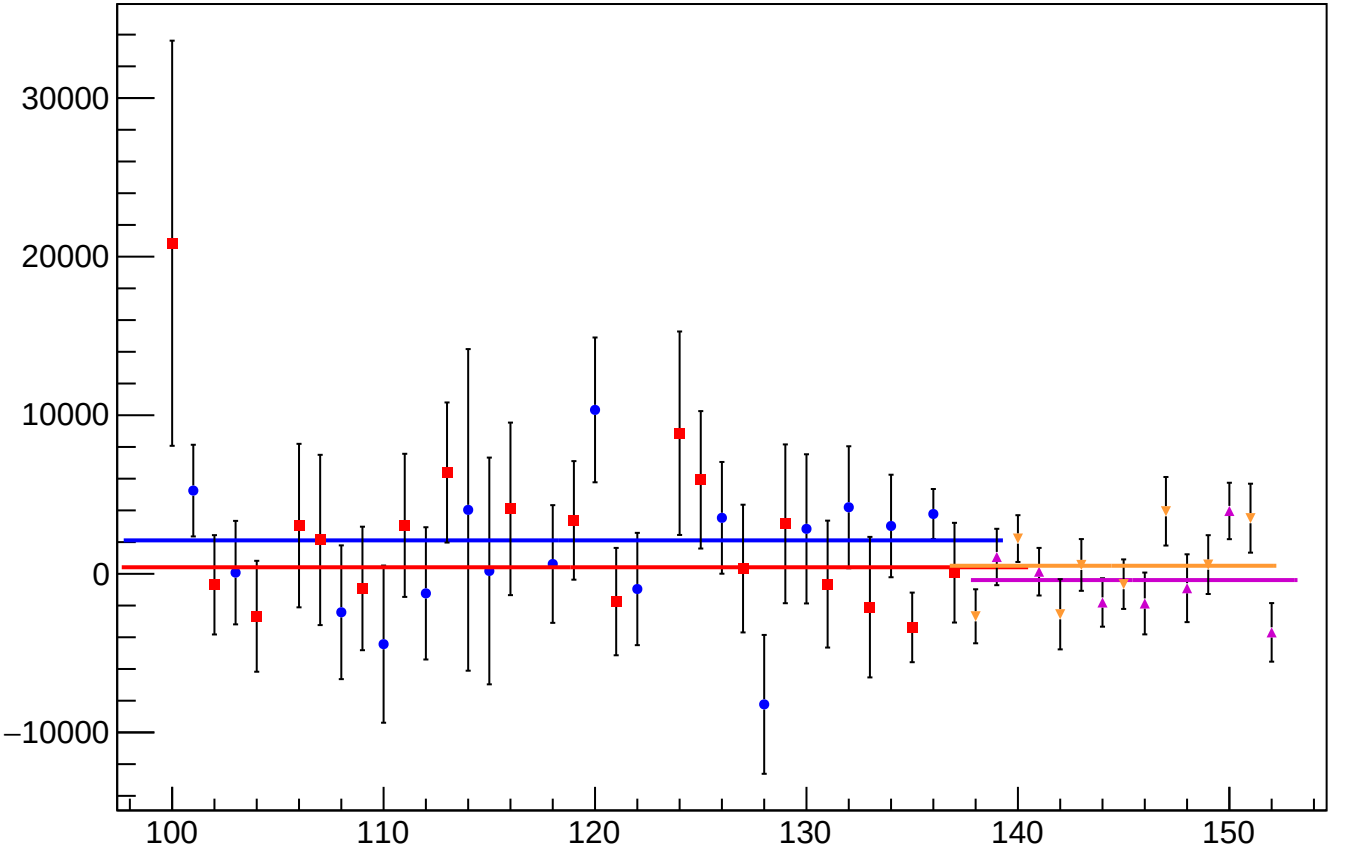
Left In: 1651.262+/-0.475 χ^2/NDF:152759.4/6

+ sign 1813.913+/-0.365 χ^2/NDF: 2004102.1/23

All: 1867.364+/-0.264 χ^2/NDF: 3947521.5/49

- sign 1926.269+/-0.383 χ^2/NDF: 1898317.6/25

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 508.785+/-631.126 χ^2/NDF:11.7/7

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

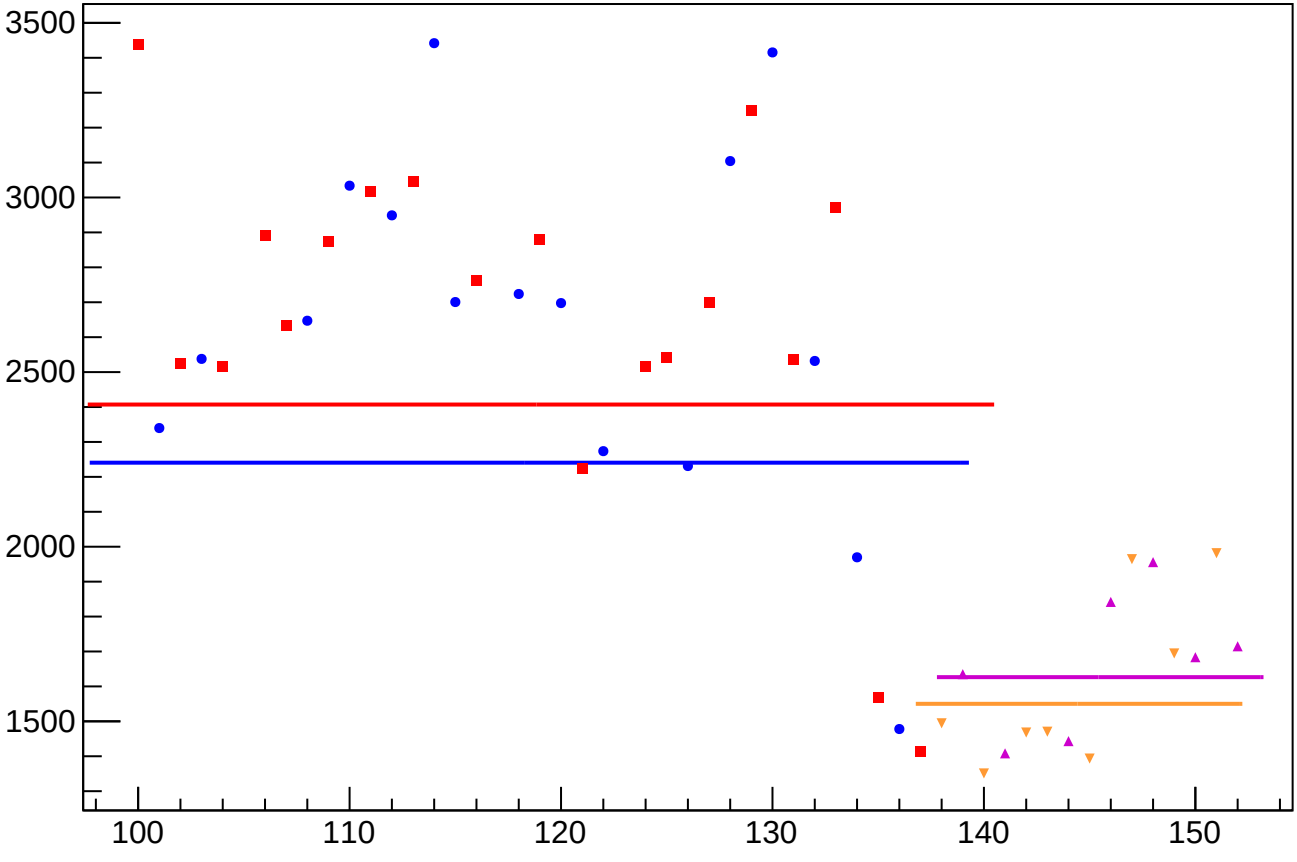
Left In: -393.797+/-662.214 χ^2/NDF:11.5/6

+ sign 1066.337+/-509.492 χ^2/NDF: 30.6/23

All: 505.237+/-368.724 χ^2/NDF: 59.8/49

- sign -111.835+/-534.301 χ^2/NDF: 26.6/25

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1550.136+/-0.446 χ^2/NDF:230633.3/7

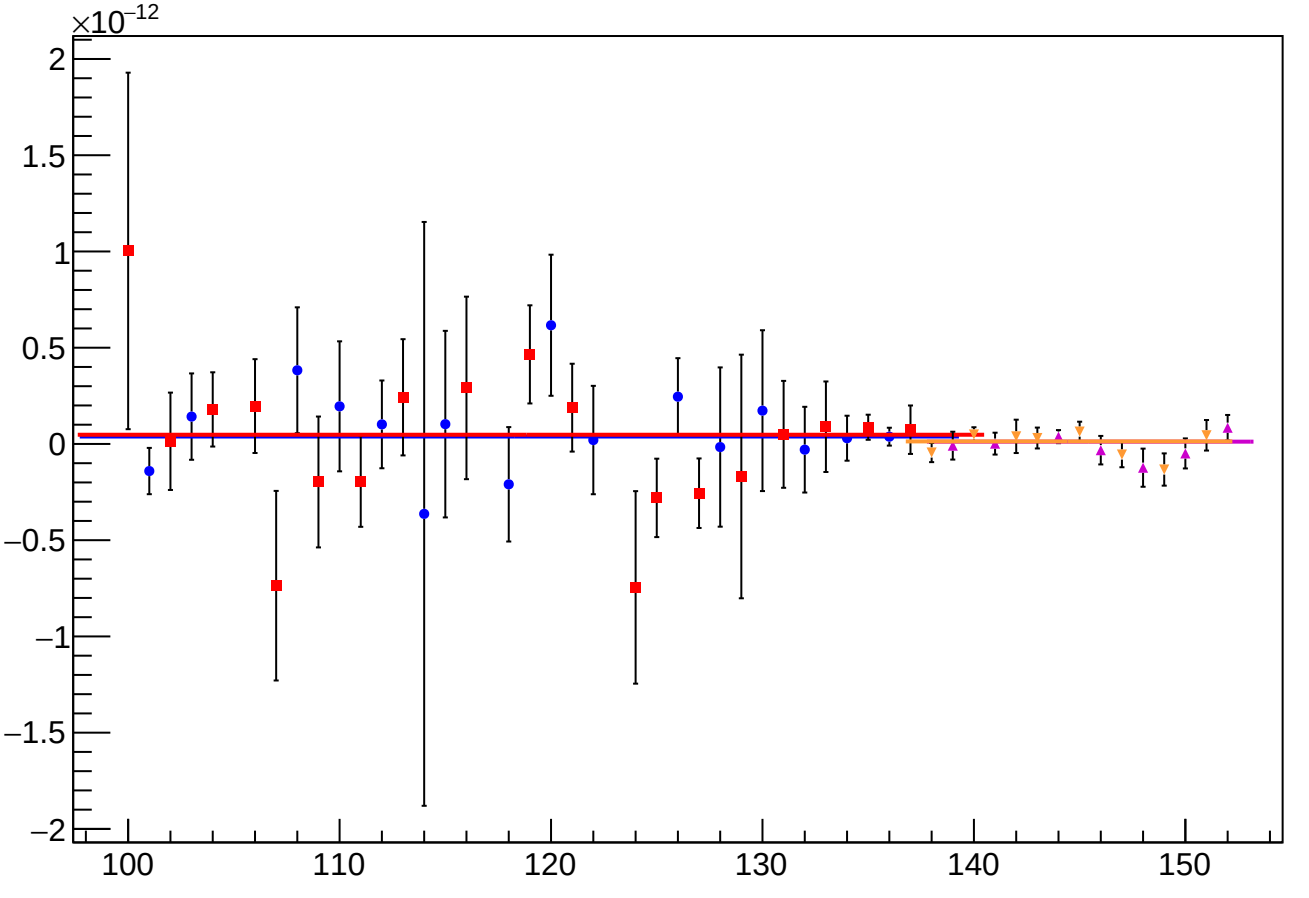
Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1626.526+/-0.468 χ^2/NDF:149602.0/6

+ sign 1790.638+/-0.360 χ^2/NDF: 1998047.9/23

All: 1842.227+/-0.261 χ^2/NDF: 3949578.6/49

- sign 1898.962+/-0.378 χ^2/NDF: 1908474.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/7

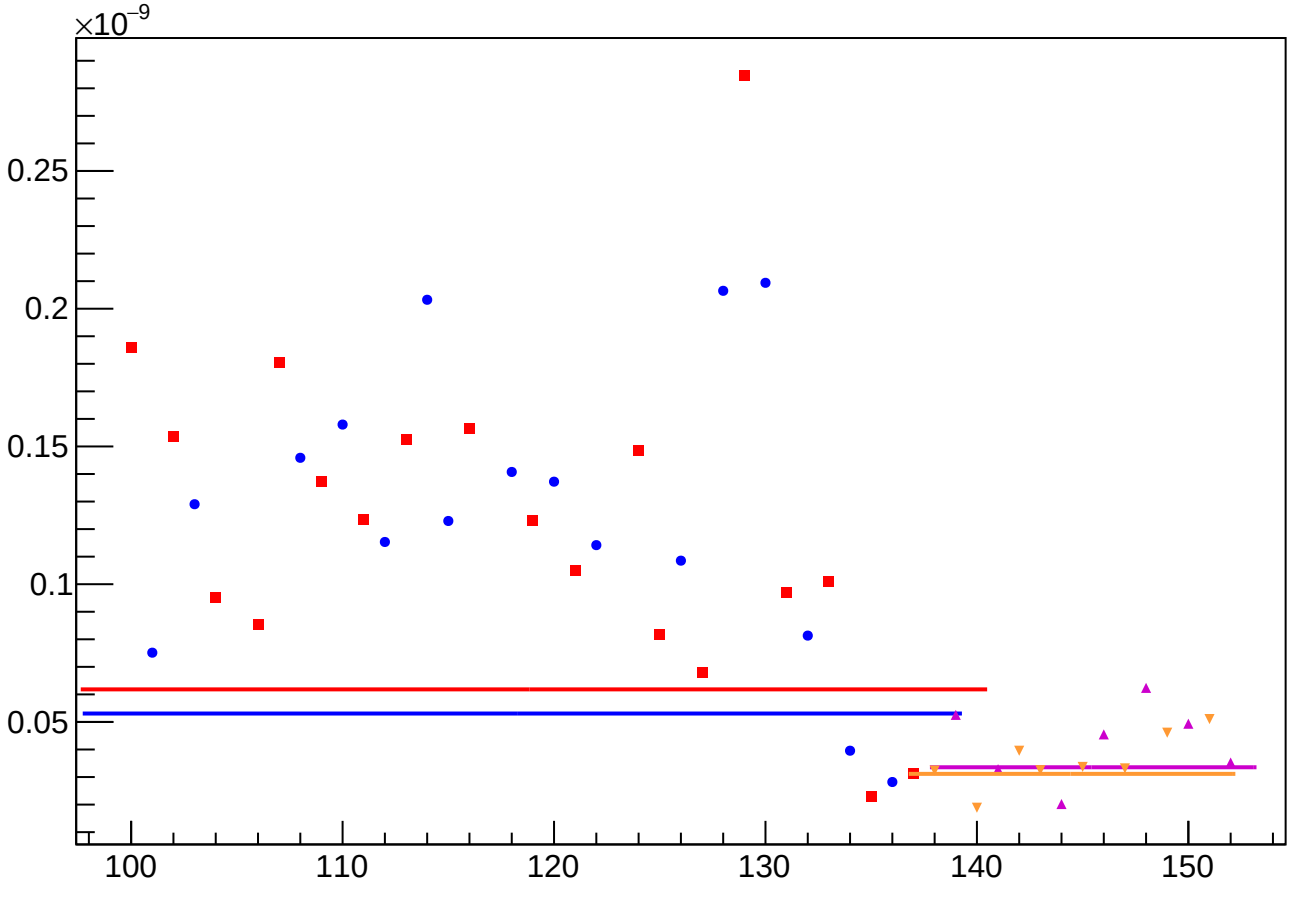
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 16.5/23

All: 0.000+/-0.000 χ^2/NDF: 40.0/49

- sign 0.000+/-0.000 χ^2/NDF: 23.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:432496.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

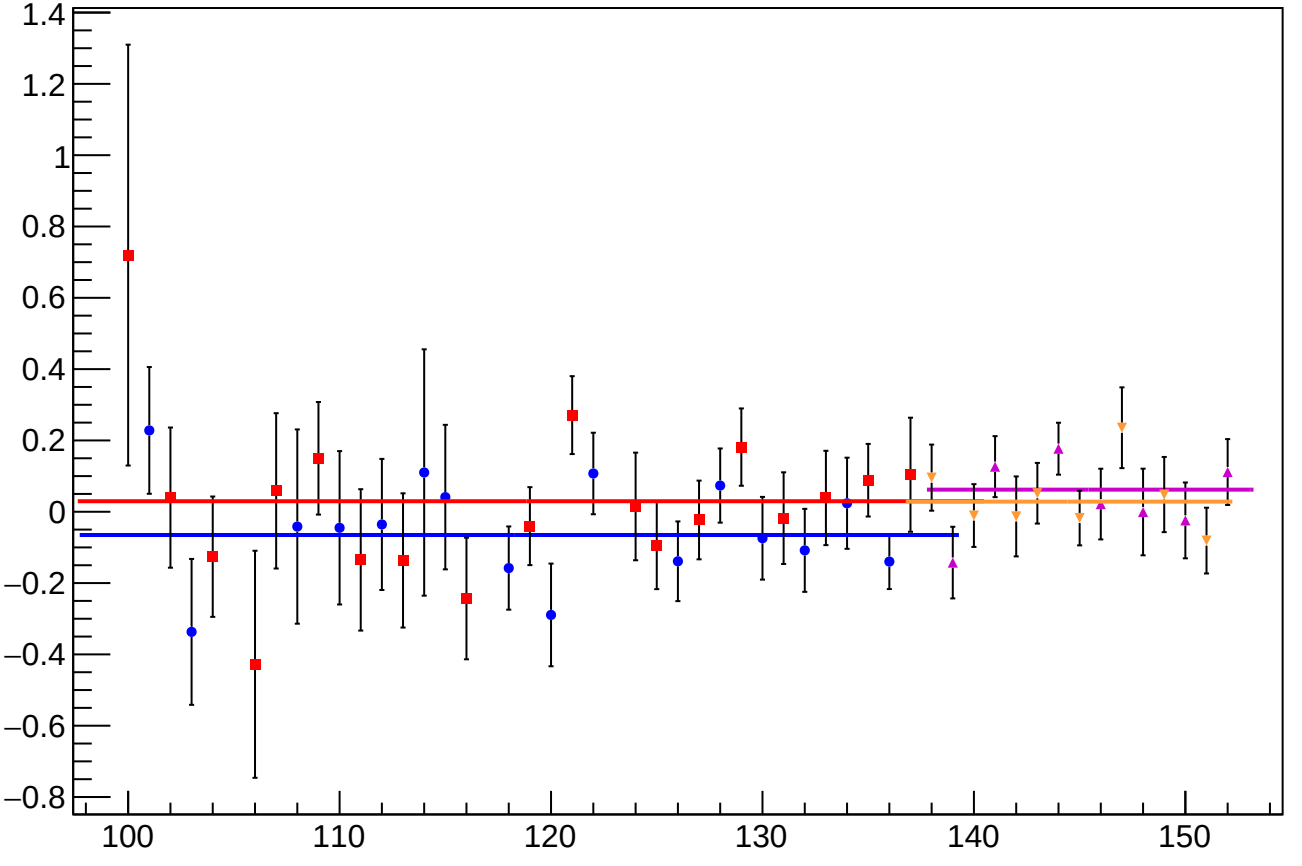
Left In: 0.000+/-0.000 χ^2/NDF:750679.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 3565894.5/23

All: 0.000+/-0.000 χ^2/NDF: 7436089.2/49

- sign 0.000+/-0.000 χ^2/NDF: 3841812.9/25

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: 0.028+/-0.033 χ^2/NDF:6.1/7

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

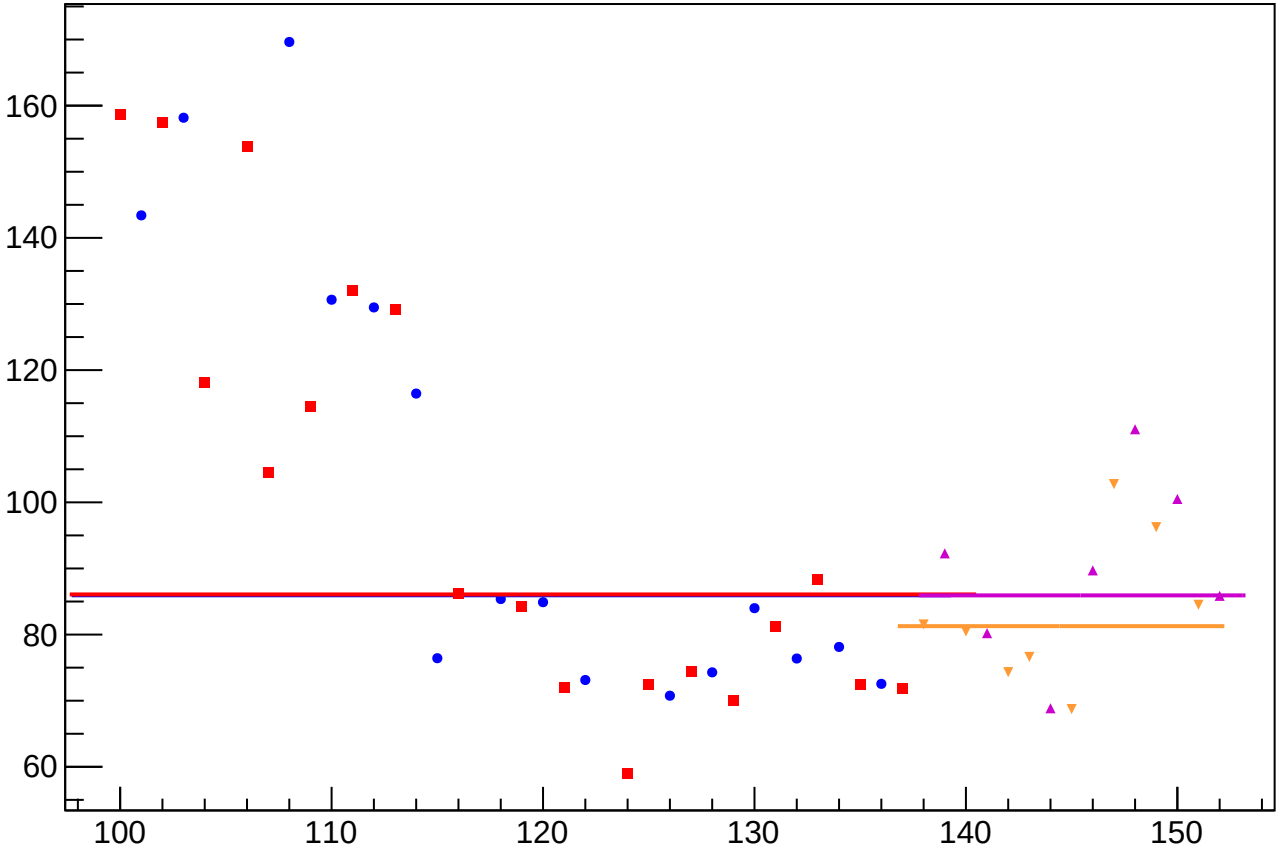
Left In: 0.062+/-0.035 χ^2/NDF:8.6/6

+ sign -0.018+/-0.023 χ^2/NDF: 24.2/23

All: 0.012+/-0.017 χ^2/NDF: 54.8/49

- sign 0.045+/-0.024 χ^2/NDF: 27.1/25

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: 81.276+/-0.023 χ^2/NDF:182044.0/7

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

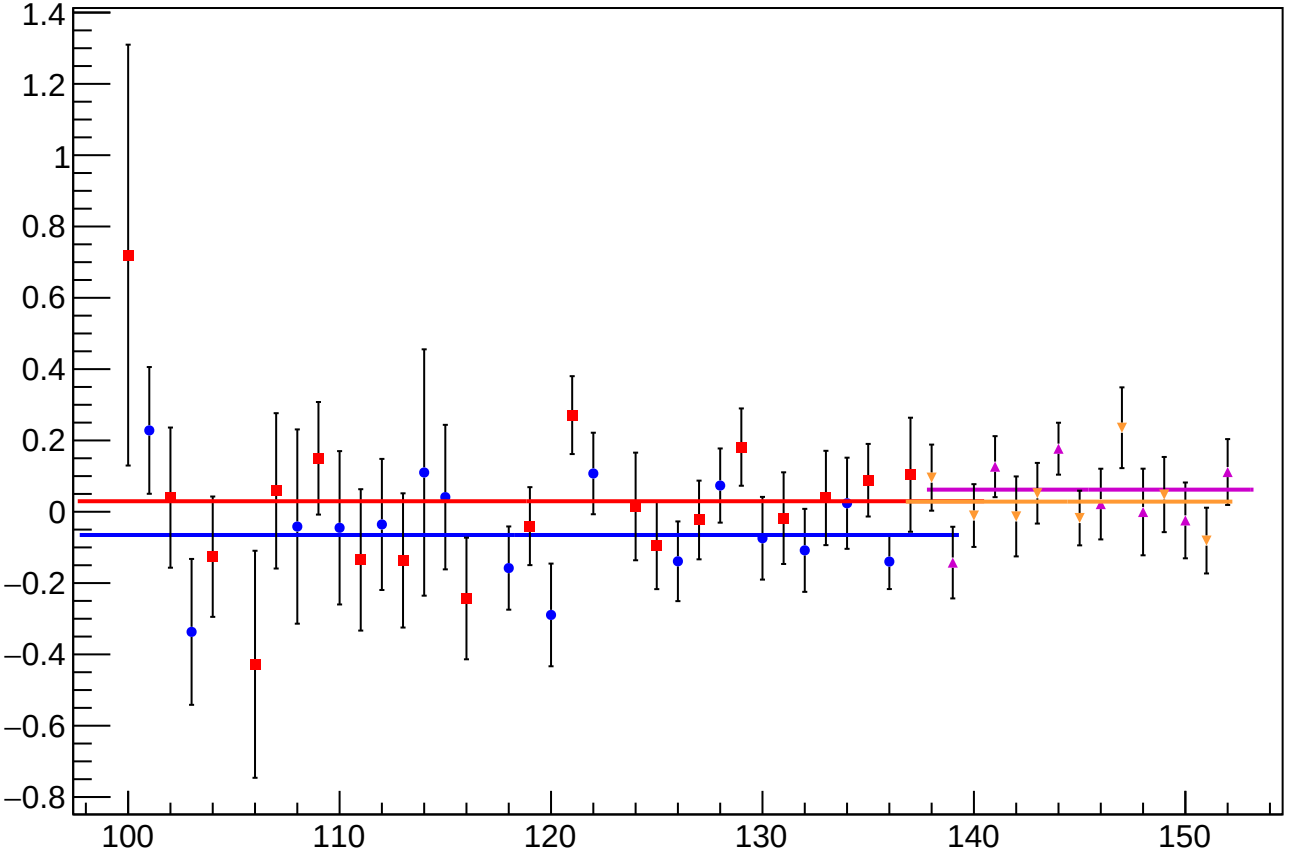
Left In: 85.929+/-0.025 χ^2/NDF:253036.2/6

+ sign 83.588+/-0.017 χ^2/NDF: 1236894.2/23

All: 84.763+/-0.012 χ^2/NDF: 2491655.9/49

- sign 86.006+/-0.017 χ^2/NDF: 1244425.4/25

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: 0.028+/-0.033 χ^2/NDF:6.1/7

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

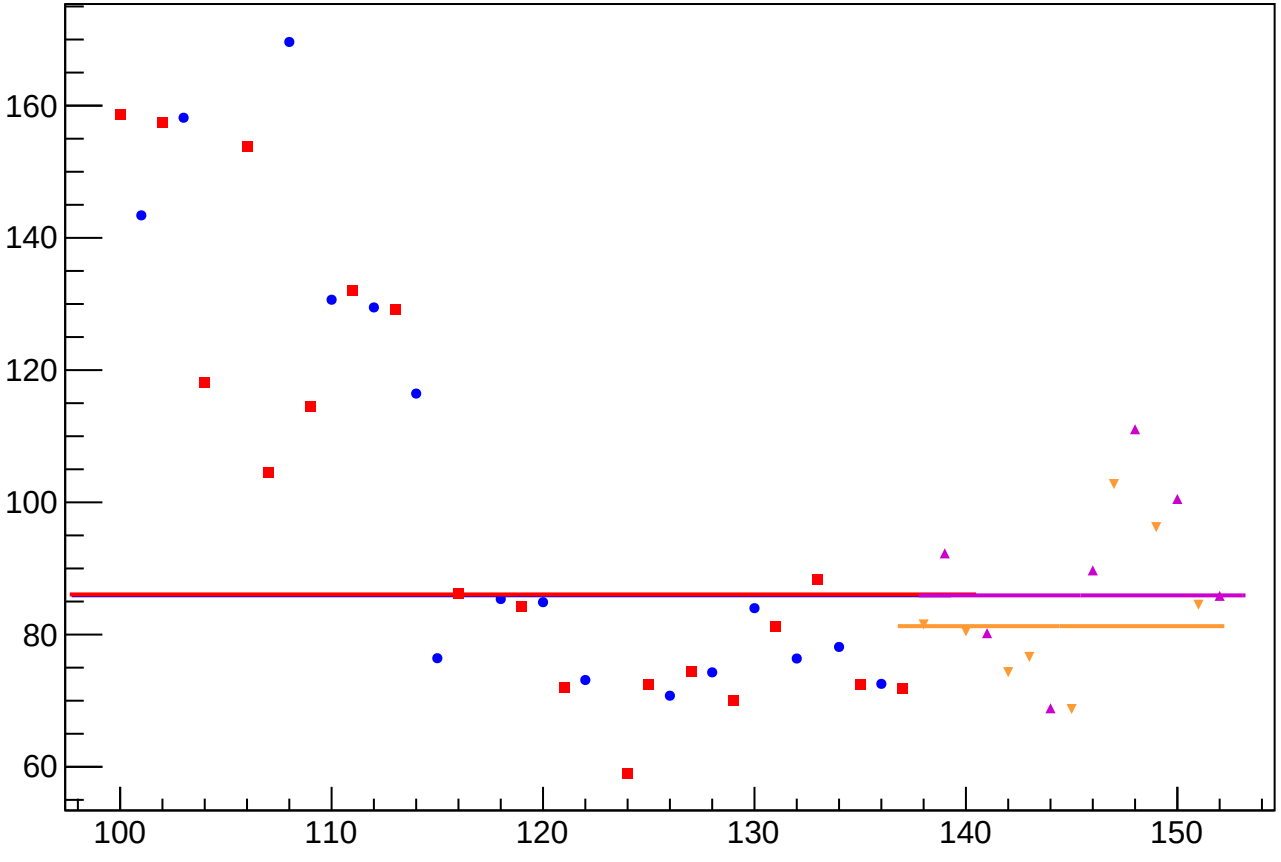
Left In: 0.062+/-0.035 χ^2/NDF:8.6/6

+ sign -0.018+/-0.023 χ^2/NDF: 24.2/23

All: 0.012+/-0.017 χ^2/NDF: 54.8/49

- sign 0.045+/-0.024 χ^2/NDF: 27.1/25

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.276+/-0.023 χ^2/NDF:182044.0/7

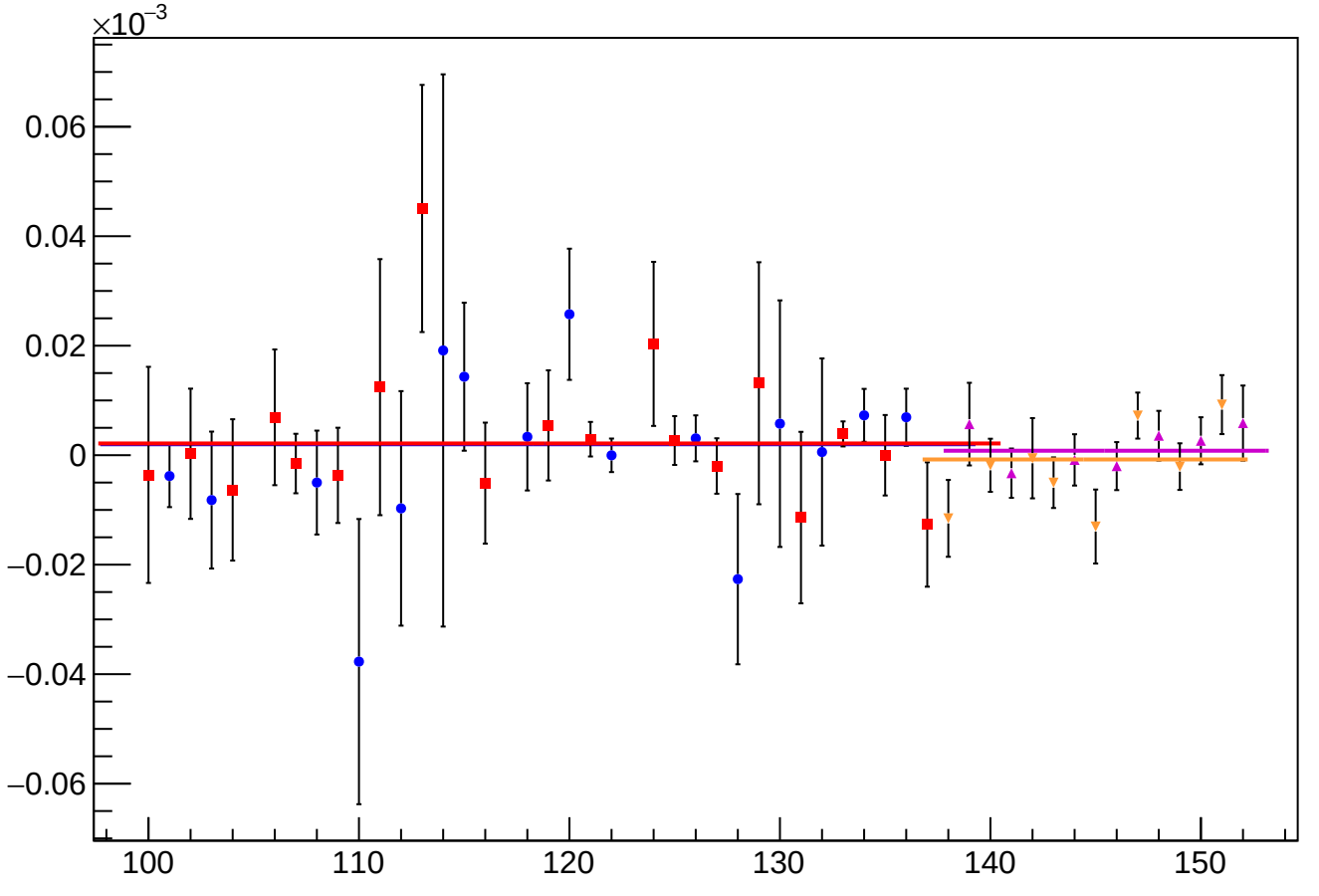
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 85.929+/-0.025 χ^2/NDF:253036.2/6

+ sign 83.588+/-0.017 χ^2/NDF: 1236894.2/23

All: 84.763+/-0.012 χ^2/NDF: 2491655.9/49

- sign 86.006+/-0.017 χ^2/NDF: 1244425.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/7

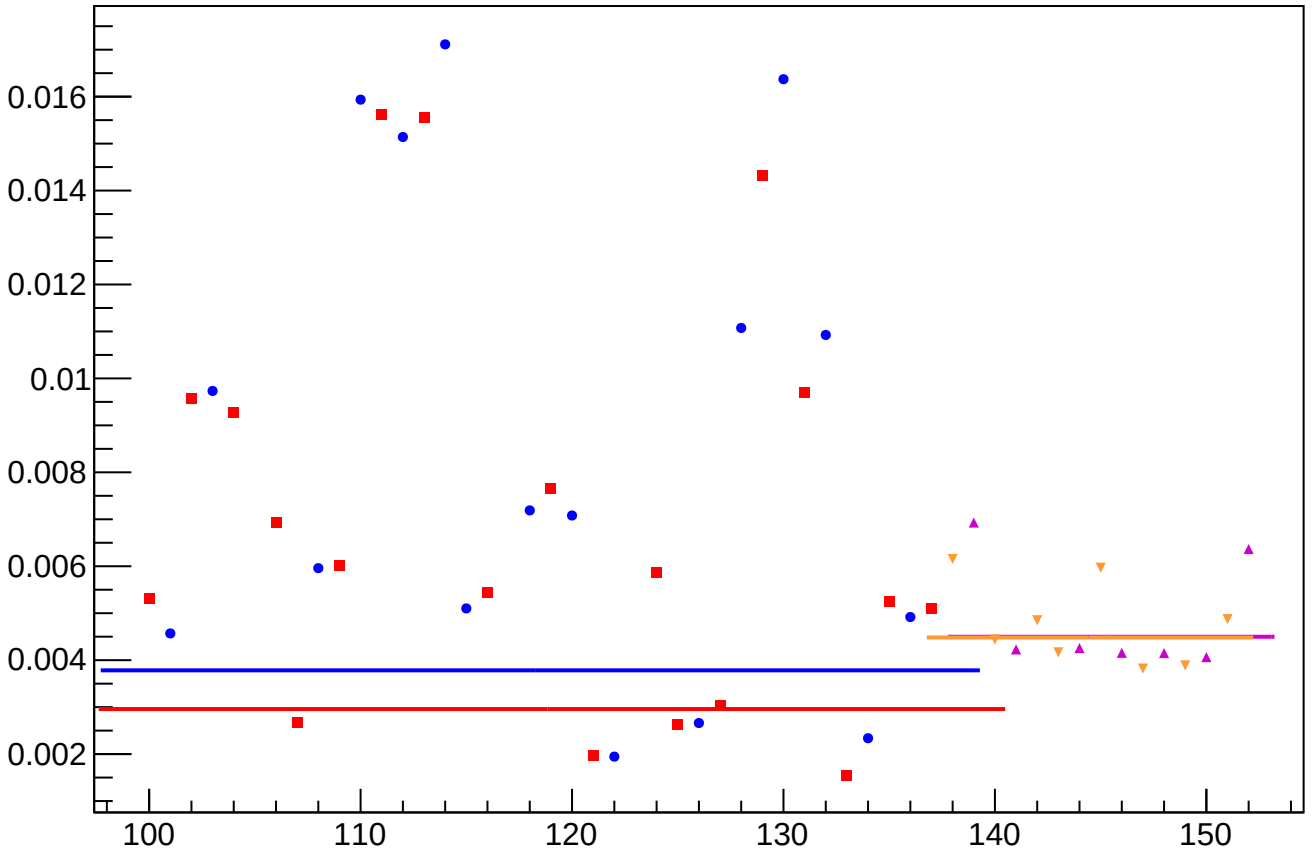
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 29.8/23

All: 0.000+/-0.000 χ^2/NDF: 44.9/49

- sign 0.000+/-0.000 χ^2/NDF: 14.7/25



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:323768.5/7

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

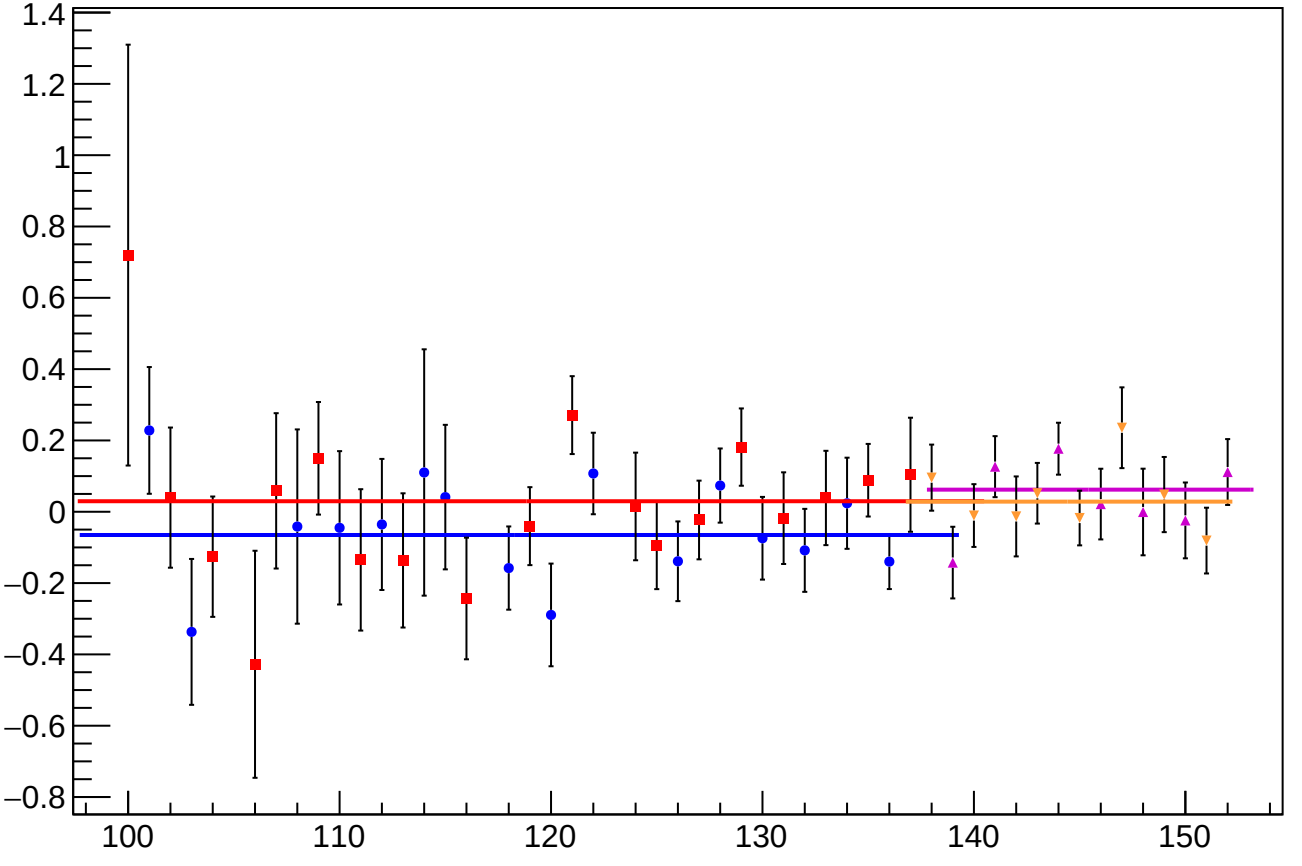
Left In: 0.004+/-0.000 χ^2/NDF:412922.1/6

+ sign 0.004+/-0.000 χ^2/NDF: 5170386.9/23

All: 0.004+/-0.000 χ^2/NDF: 12255301.1/49

- sign 0.004+/-0.000 χ^2/NDF: 6833583.6/25

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: 0.028+/-0.033 χ^2/NDF:6.1/7

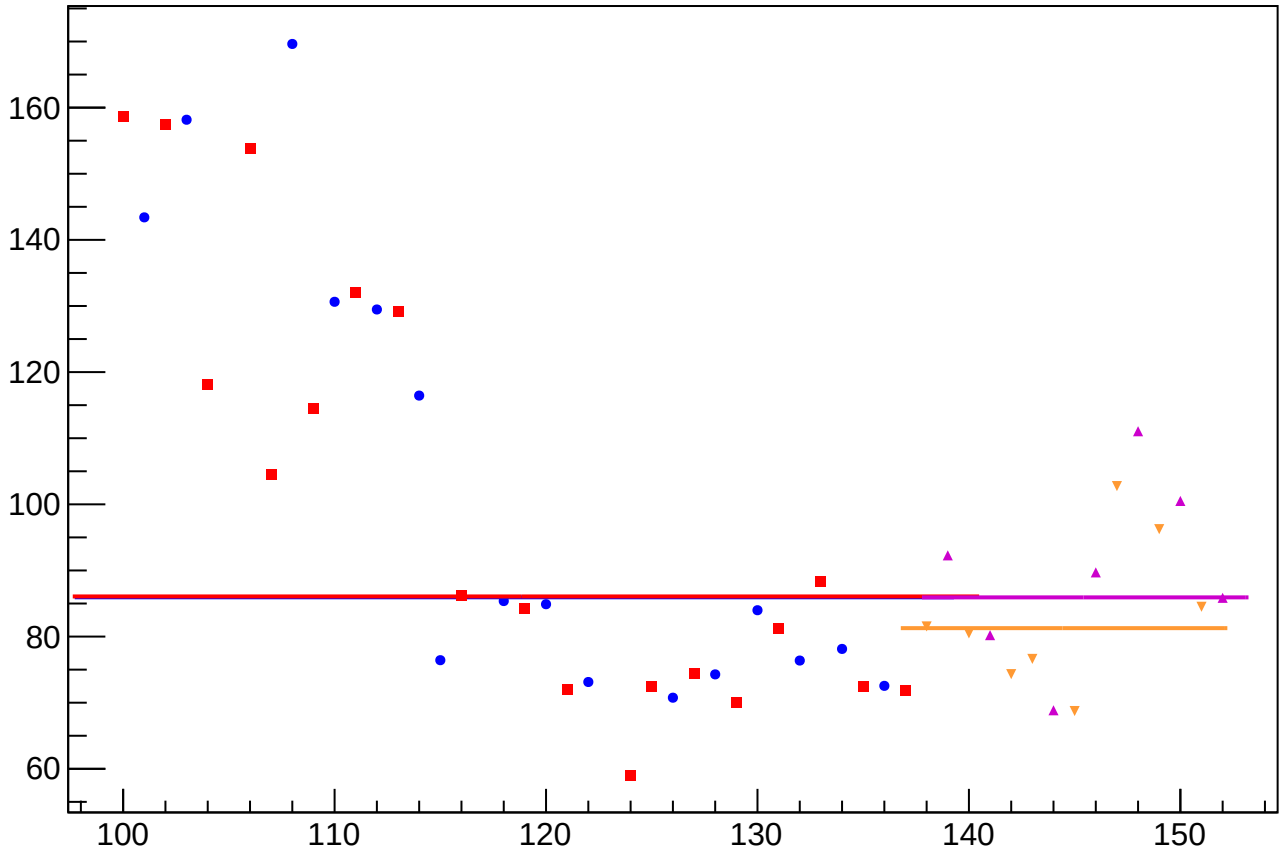
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.062+/-0.035 χ^2/NDF:8.6/6

+ sign -0.018+/-0.023 χ^2/NDF: 24.2/23

All: 0.012+/-0.017 χ^2/NDF: 54.8/49

- sign 0.045+/-0.024 χ^2/NDF: 27.1/25



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 81.275+/-0.023 χ^2/NDF:182066.9/7

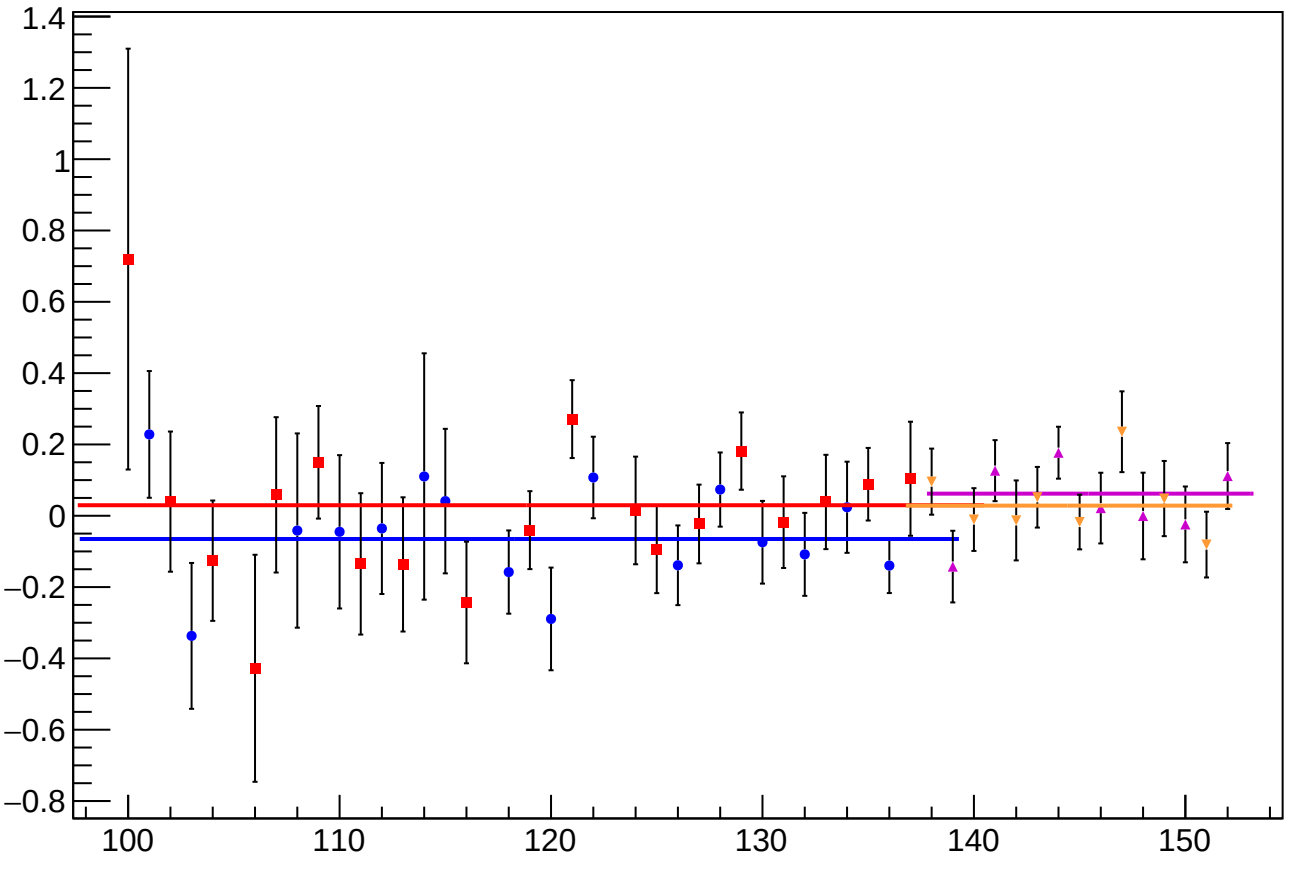
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.928+/-0.025 χ^2/NDF:253038.9/6

+ sign 83.587+/-0.017 χ^2/NDF: 1236884.6/23

All: 84.761+/-0.012 χ^2/NDF: 2491644.4/49

- sign 86.004+/-0.017 χ^2/NDF: 1244421.5/25



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.033 χ^2/NDF:6.1/7

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

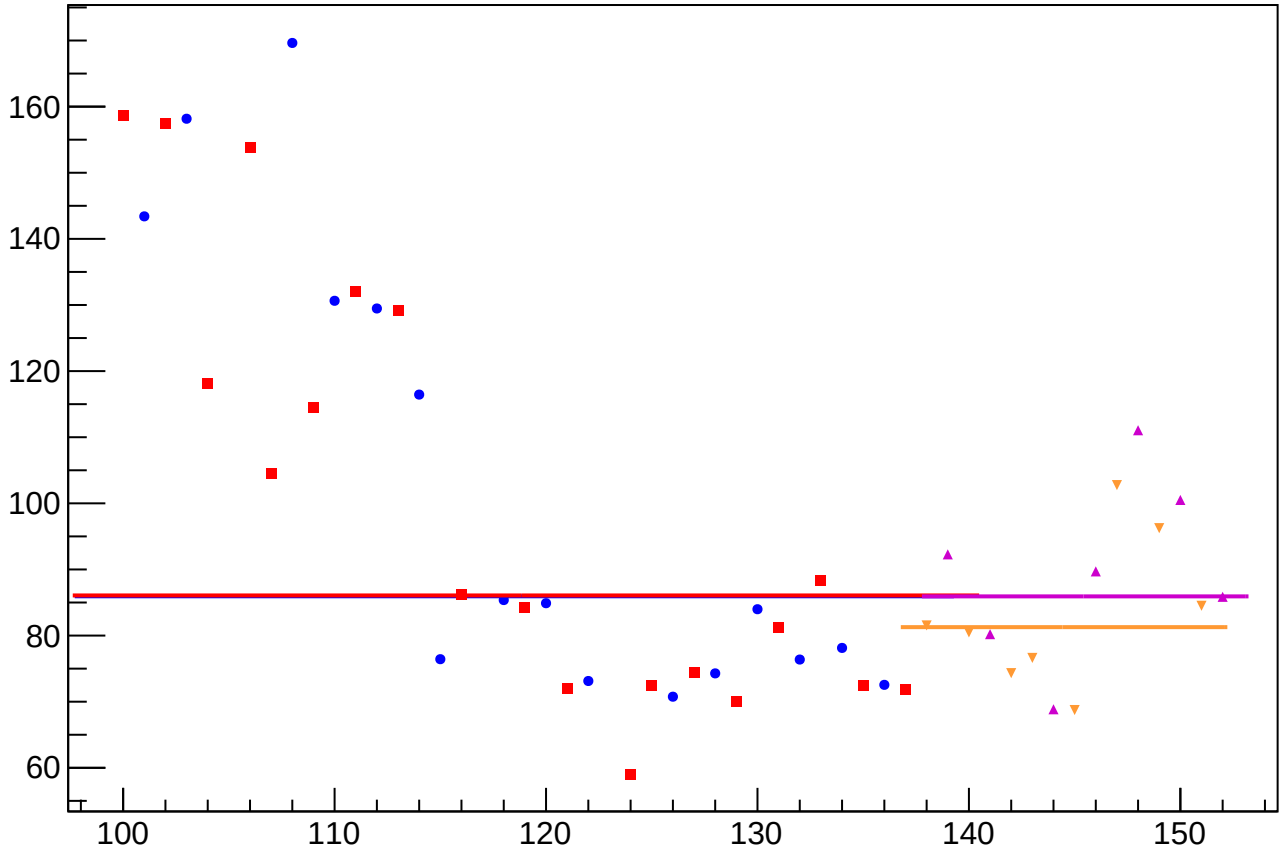
Left In: 0.062+/-0.035 χ^2/NDF:8.6/6

+ sign -0.018+/-0.023 χ^2/NDF: 24.2/23

All: 0.012+/-0.017 χ^2/NDF: 54.8/49

- sign 0.045+/-0.024 χ^2/NDF: 27.1/25

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 81.275+/-0.023 χ^2/NDF:182066.9/7

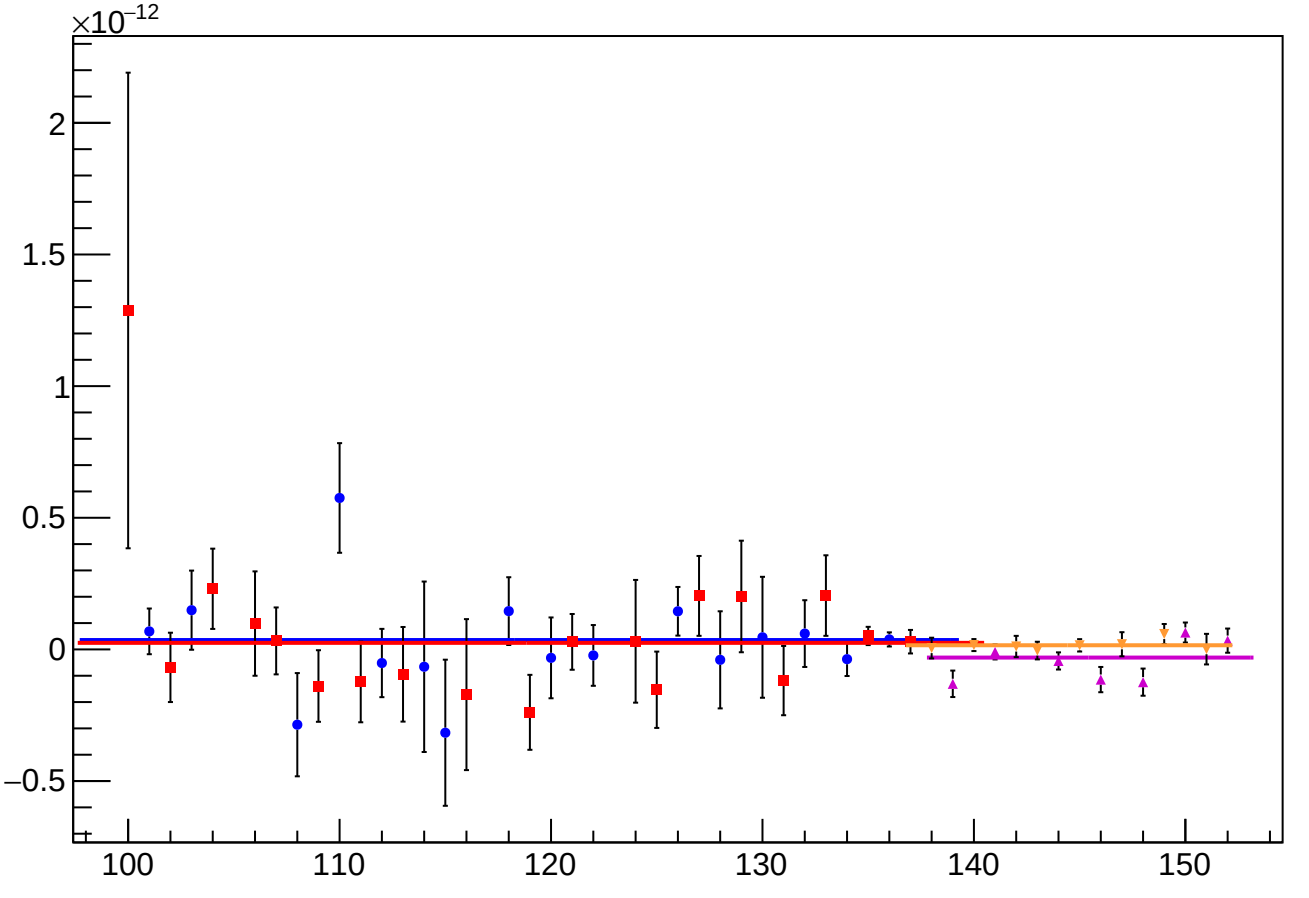
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.928+/-0.025 χ^2/NDF:253038.9/6

+ sign 83.587+/-0.017 χ^2/NDF: 1236884.6/23

All: 84.761+/-0.012 χ^2/NDF: 2491644.4/49

- sign 86.004+/-0.017 χ^2/NDF: 1244421.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/7

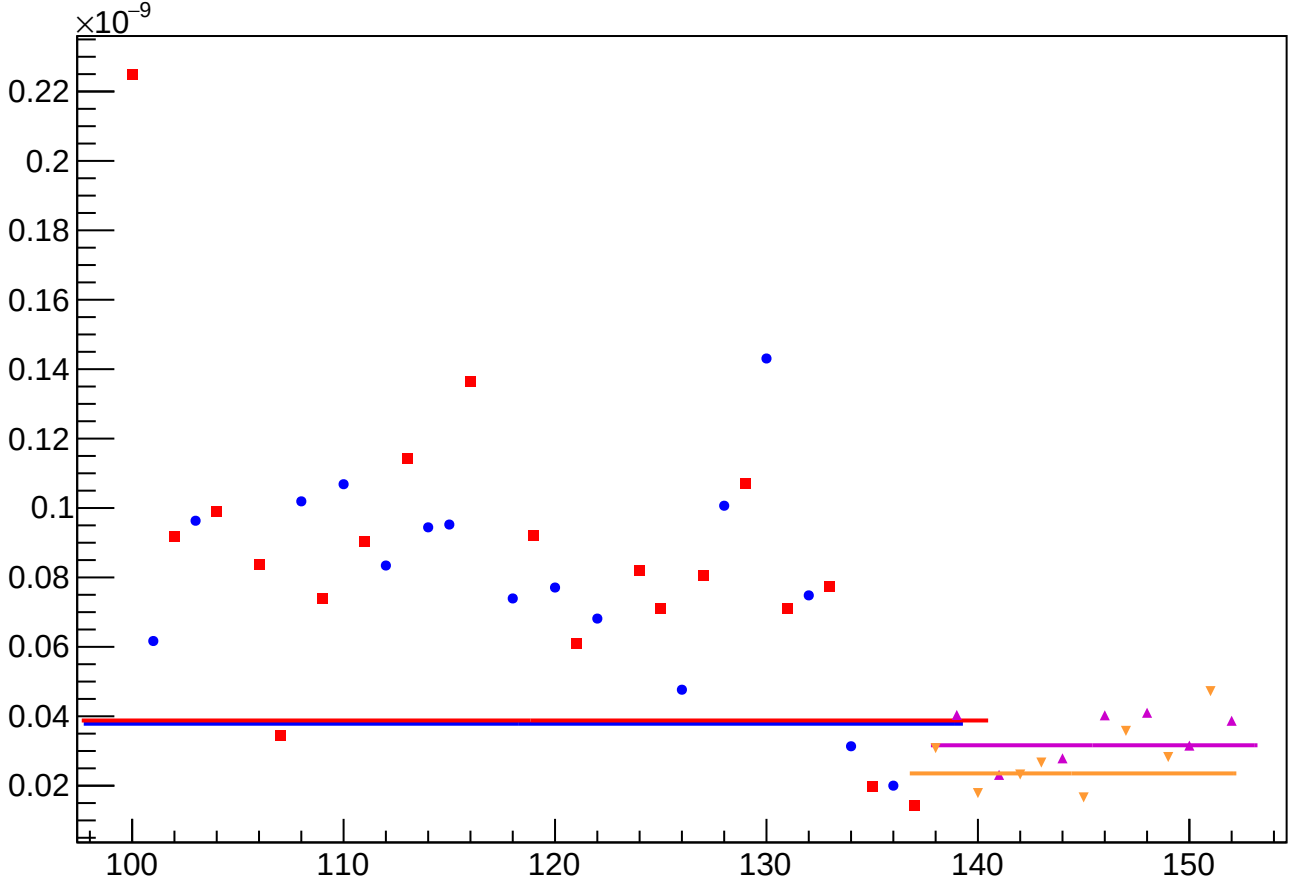
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 18.8/23

All: 0.000+/-0.000 χ^2/NDF: 64.9/49

- sign -0.000+/-0.000 χ^2/NDF: 41.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:889315.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

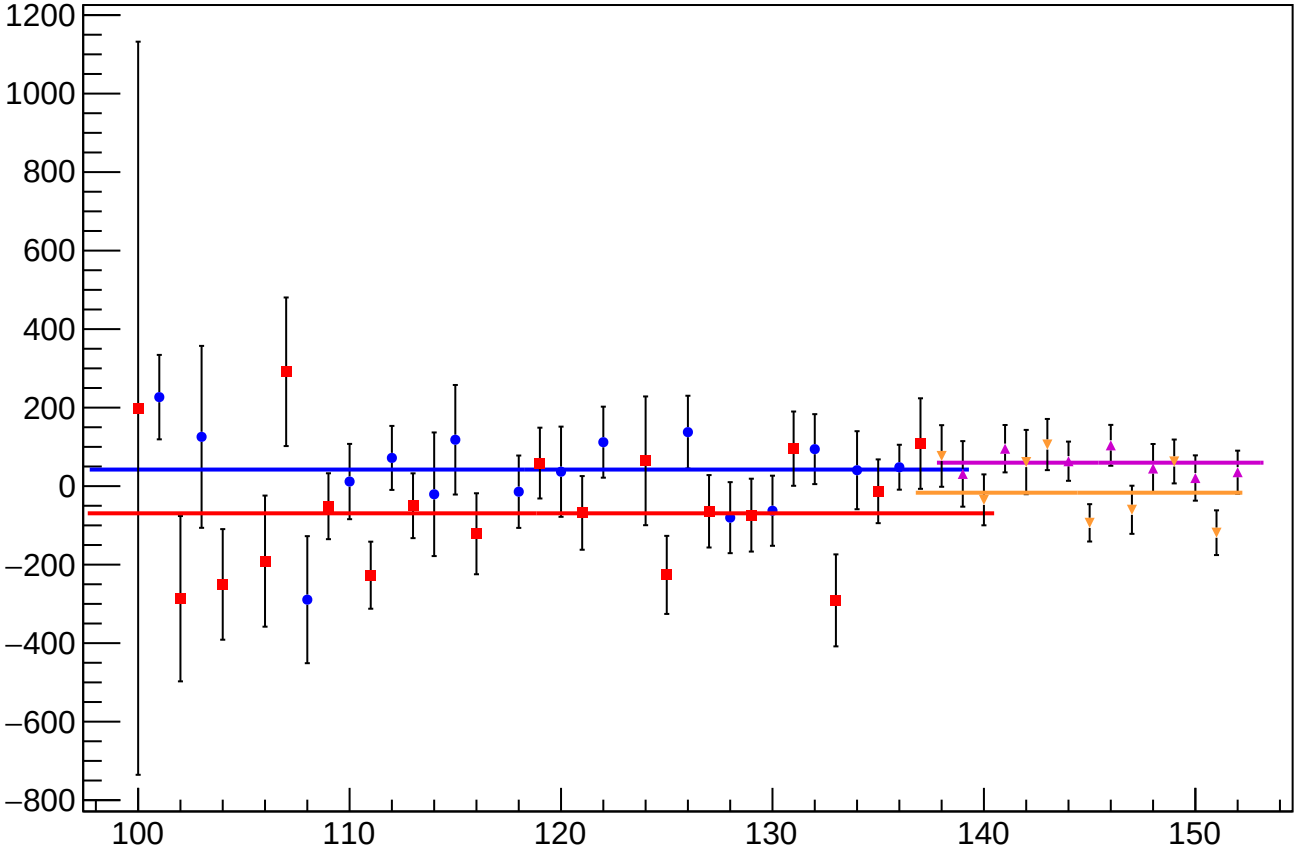
Left In: 0.000+/-0.000 χ^2/NDF:443905.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 5076038.9/23

All: 0.000+/-0.000 χ^2/NDF: 10152063.5/49

- sign 0.000+/-0.000 χ^2/NDF: 4708788.8/25

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -16.757+/-21.717 χ^2/NDF:14.3/7

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

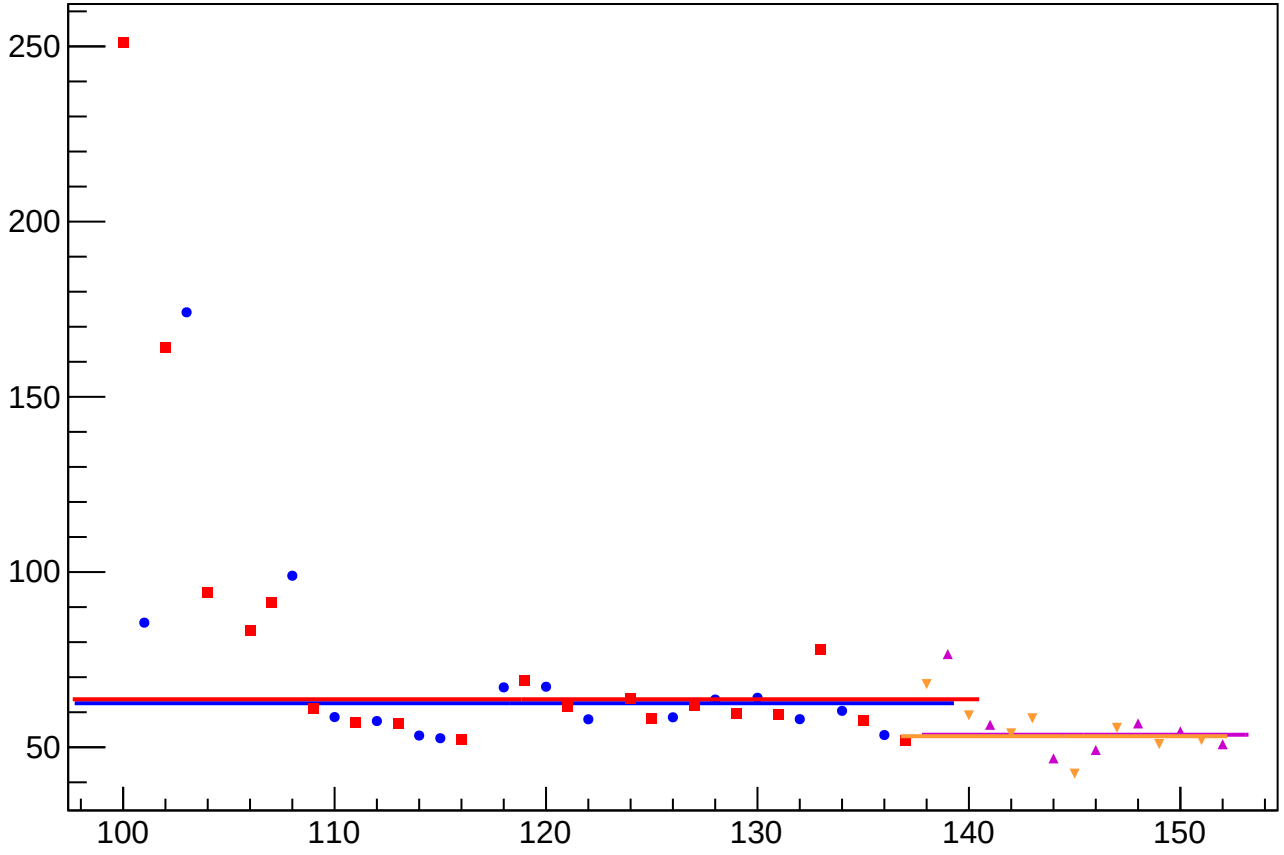
Left In: 59.709+/-21.941 χ^2/NDF:1.9/6

+ sign 9.542+/-16.165 χ^2/NDF: 31.1/23

All: 5.858+/-11.485 χ^2/NDF: 73.9/49

- sign 2.103+/-16.320 χ^2/NDF: 42.7/25

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 53.153+/-0.015 χ^2/NDF:208943.0/7

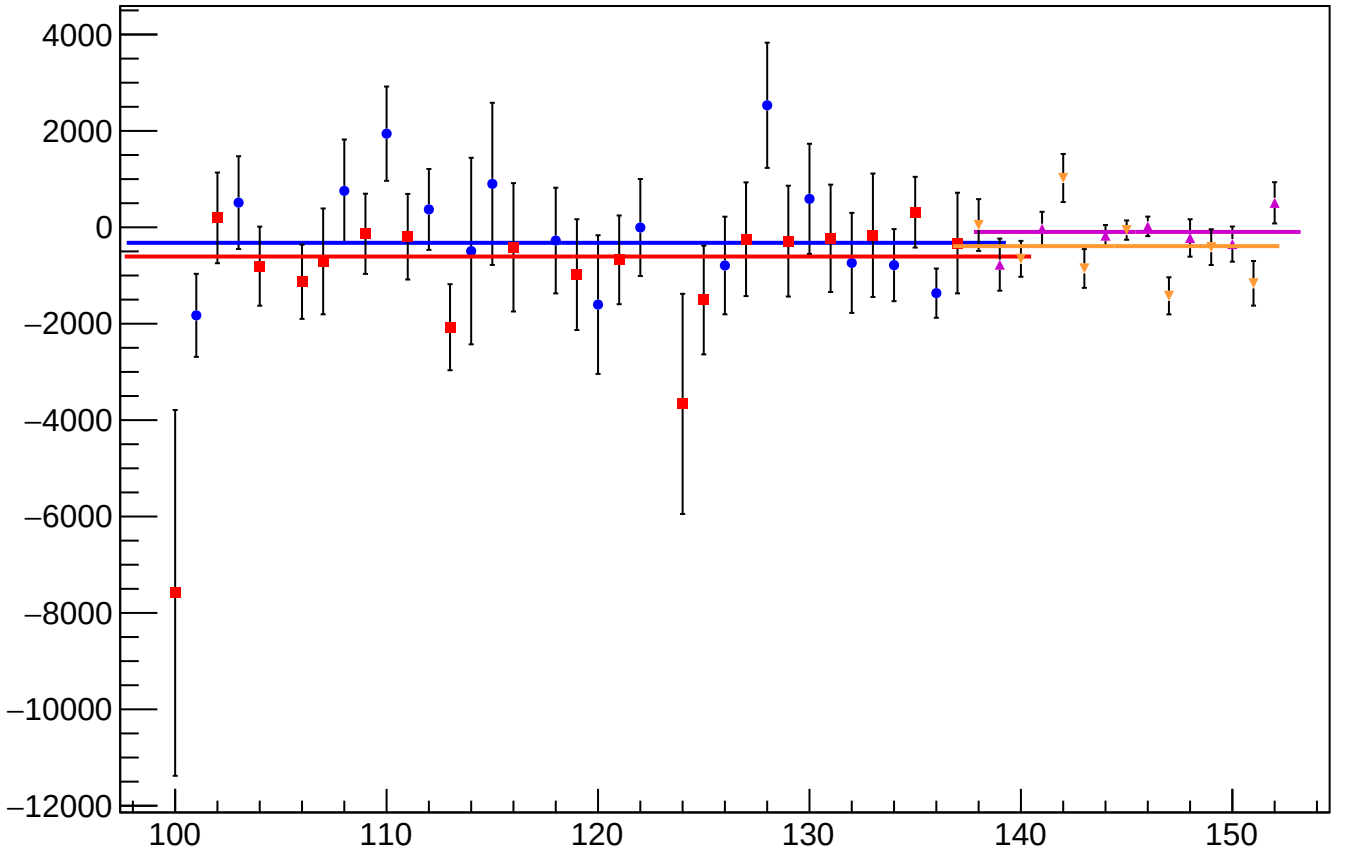
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 53.577+/-0.016 χ^2/NDF:217662.3/6

+ sign 57.351+/-0.011 χ^2/NDF: 1135077.5/23

All: 57.721+/-0.008 χ^2/NDF: 2379214.1/49

- sign 58.098+/-0.012 χ^2/NDF: 1242016.6/25



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -390.295+/-124.533 χ^2/NDF:23.2/7

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

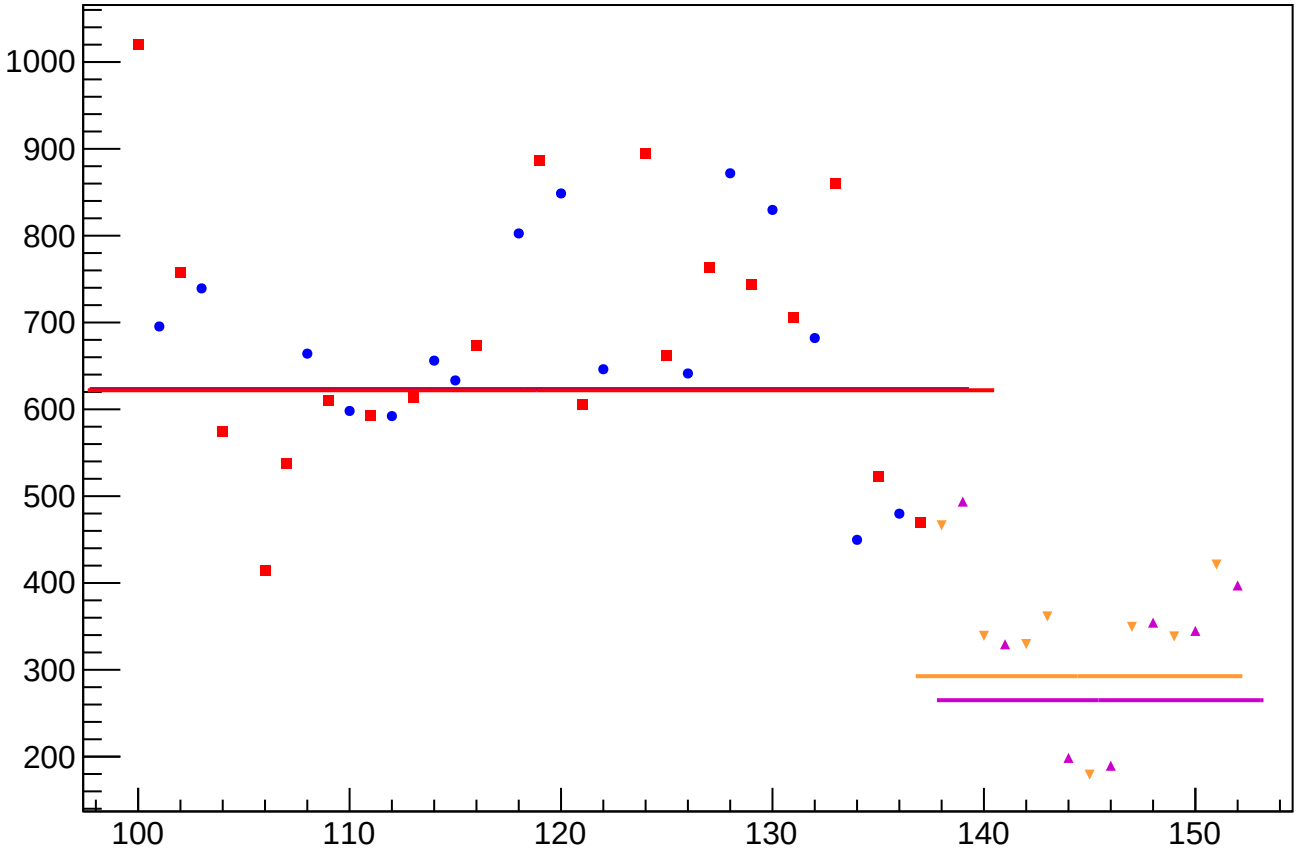
Left In: -95.899+/-114.561 χ^2/NDF:4.6/6

+ sign -375.590+/-110.388 χ^2/NDF: 46.0/23

All: -278.789+/-75.254 χ^2/NDF: 68.4/49

- sign -194.739+/-102.861 χ^2/NDF: 21.0/25

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 292.657+/-0.088 χ^2/NDF:1179183.6/7

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

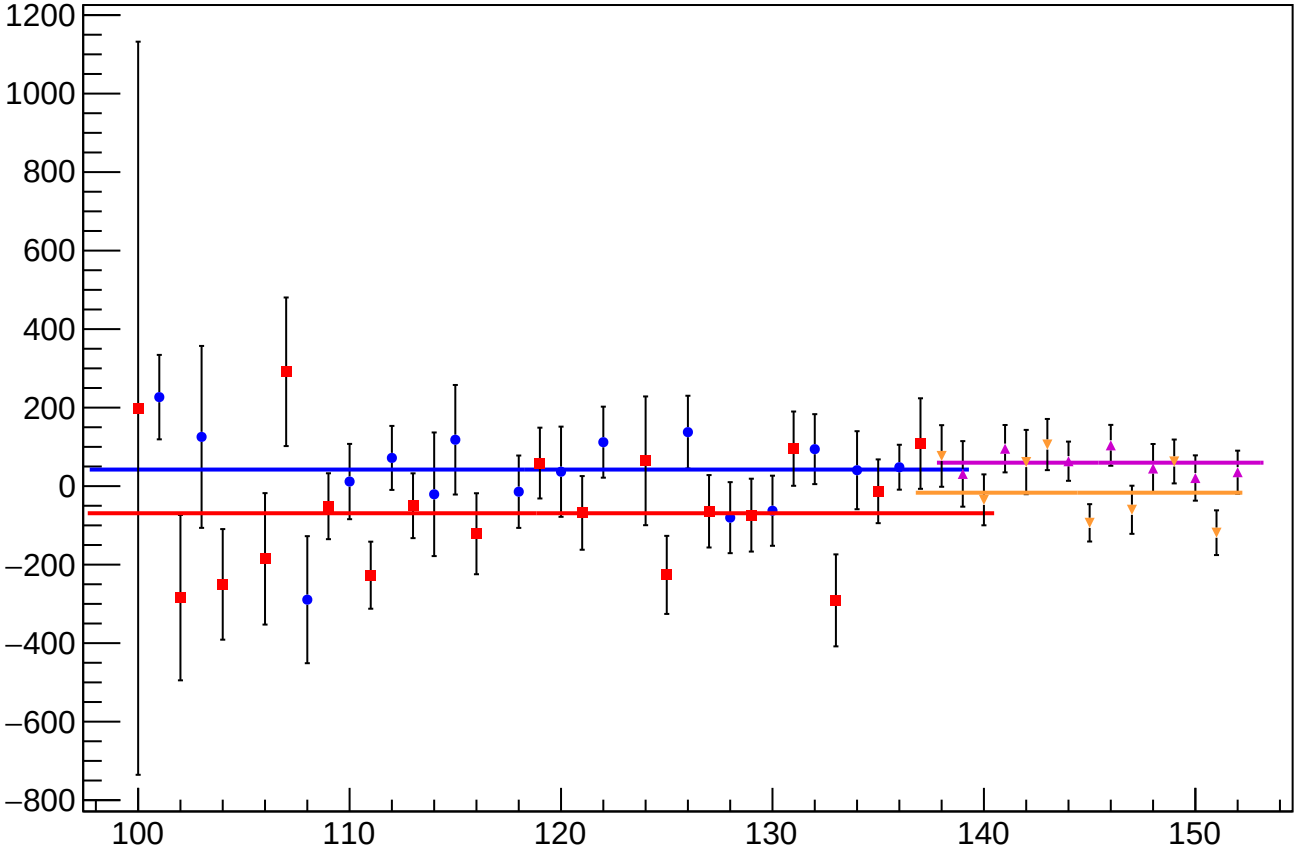
Left In: 265.005+/-0.081 χ^2/NDF:1278207.6/6

+ sign 363.474+/-0.078 χ^2/NDF: 4763295.2/23

All: 347.801+/-0.053 χ^2/NDF: 10463144.7/49

- sign 334.193+/-0.073 χ^2/NDF: 5624527.8/25

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -16.754+/-21.717 χ^2/NDF:14.3/7

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

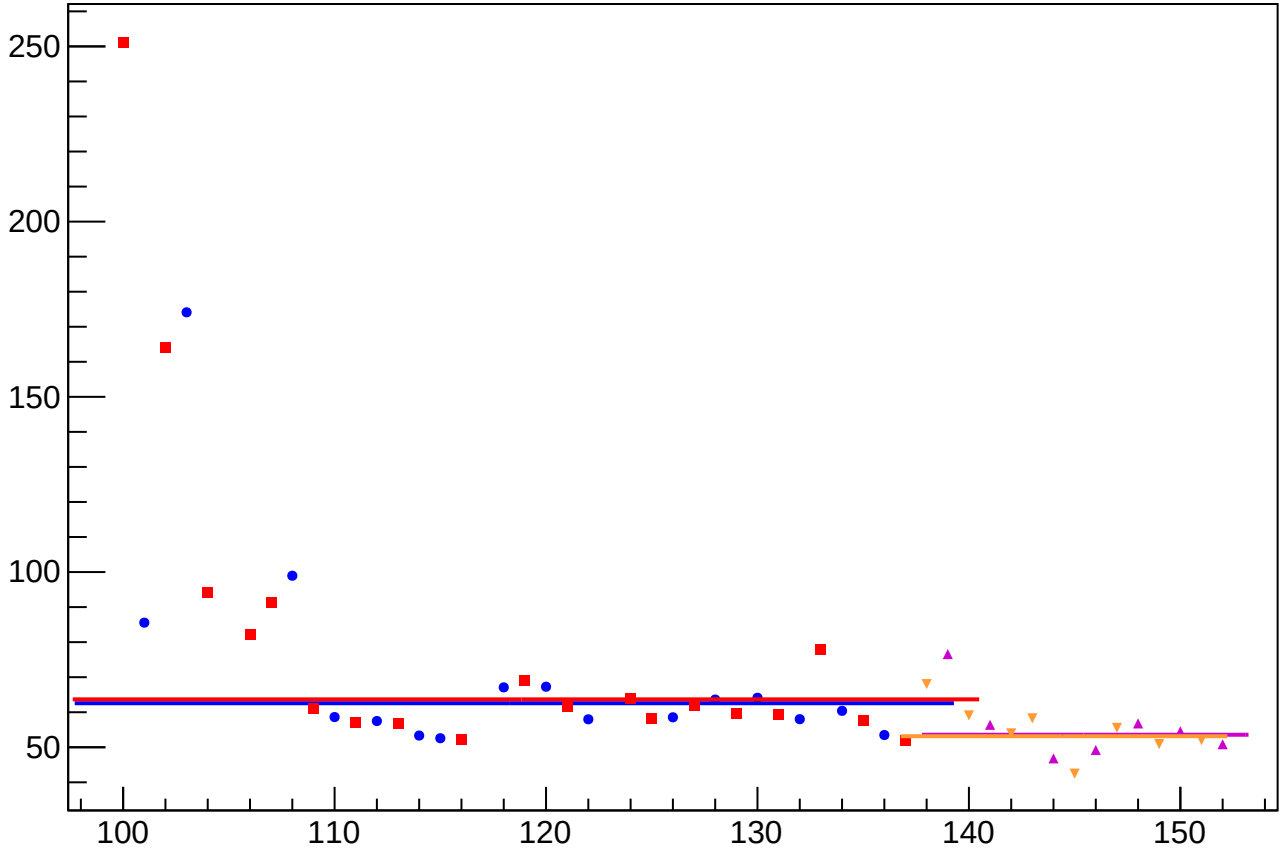
Left In: 59.707+/-21.941 χ^2/NDF:1.9/6

+ sign 9.541+/-16.165 χ^2/NDF: 31.1/23

All: 5.899+/-11.485 χ^2/NDF: 73.8/49

- sign 2.186+/-16.321 χ^2/NDF: 42.6/25

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.153+/-0.015 χ^2/NDF:208943.0/7

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

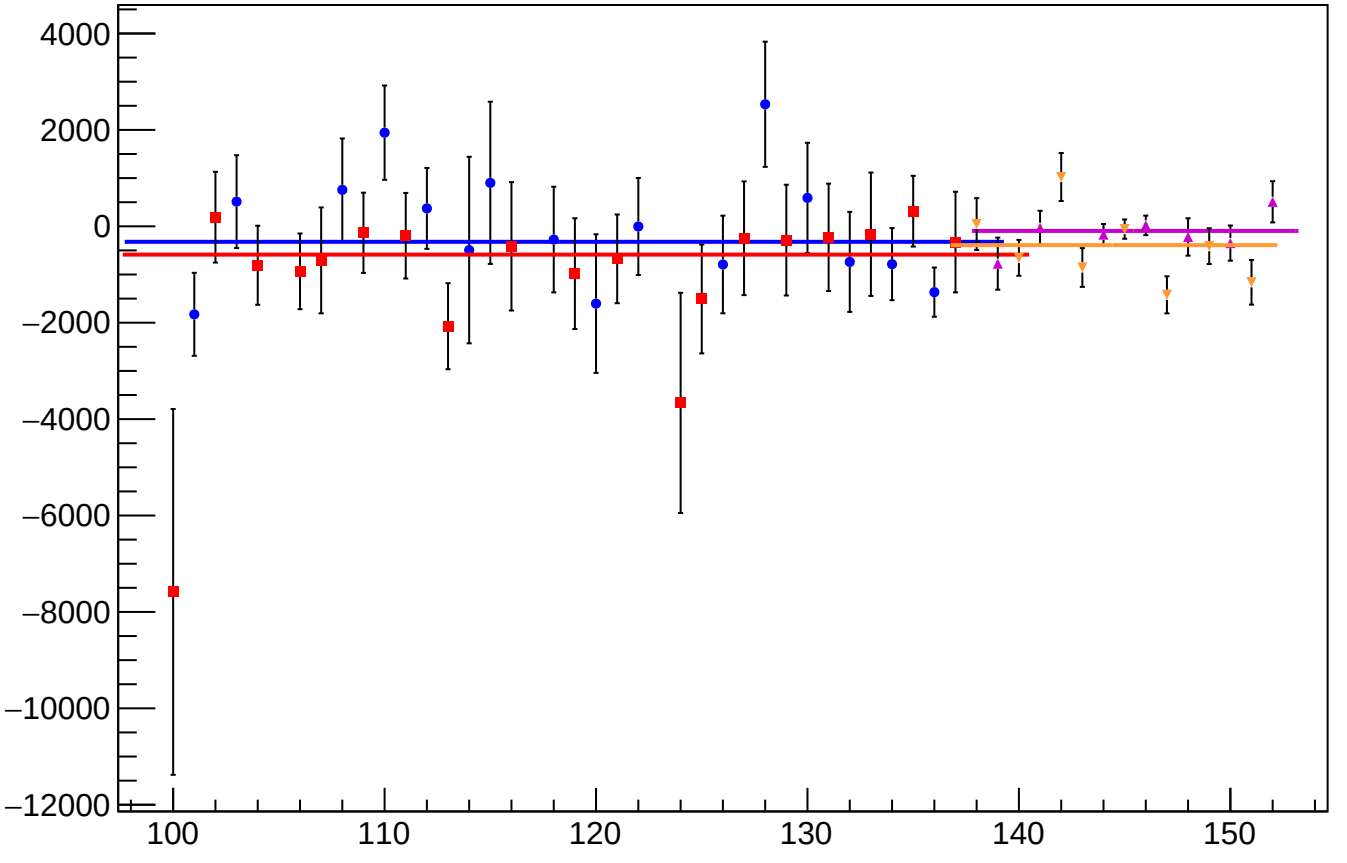
Left In: 53.577+/-0.016 χ^2/NDF:217662.3/6

+ sign 57.351+/-0.011 χ^2/NDF: 1135079.6/23

All: 57.715+/-0.008 χ^2/NDF: 2375487.4/49

- sign 58.087+/-0.012 χ^2/NDF: 1238350.3/25

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -390.292+/-124.533 χ^2/NDF:23.2/7

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

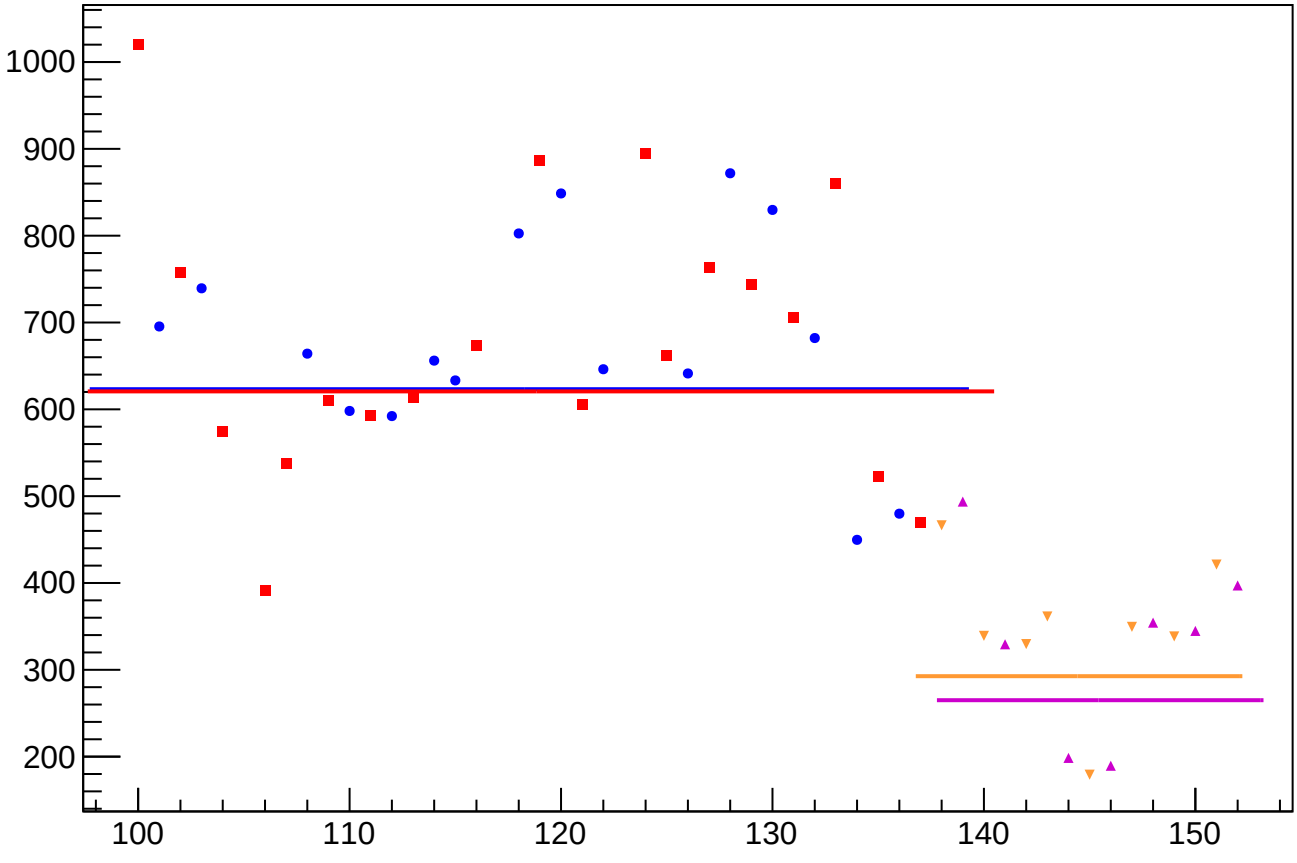
Left In: -95.904+/-114.561 χ^2/NDF:4.6/6

+ sign -375.588+/-110.388 χ^2/NDF: 46.0/23

All: -276.736+/-75.269 χ^2/NDF: 67.9/49

- sign -190.845+/-102.898 χ^2/NDF: 20.4/25

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 292.657+/-0.088 χ^2/NDF:1179189.3/7

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

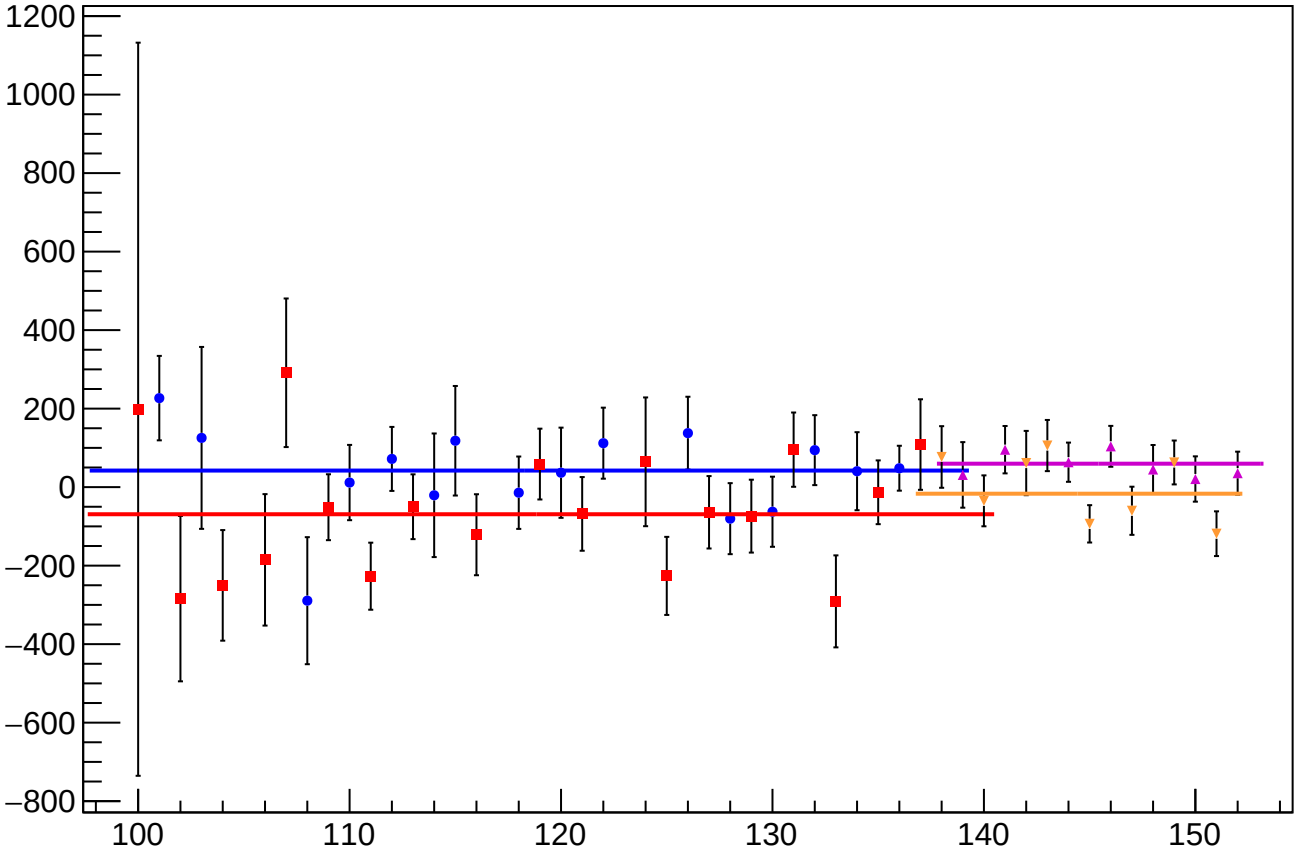
Left In: 265.005+/-0.081 χ^2/NDF:1278212.6/6

+ sign 363.474+/-0.078 χ^2/NDF: 4763364.7/23

All: 347.560+/-0.053 χ^2/NDF: 10454872.5/49

- sign 333.733+/-0.073 χ^2/NDF: 5613829.7/25

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -16.754+/-21.717 χ^2/NDF:14.3/7

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

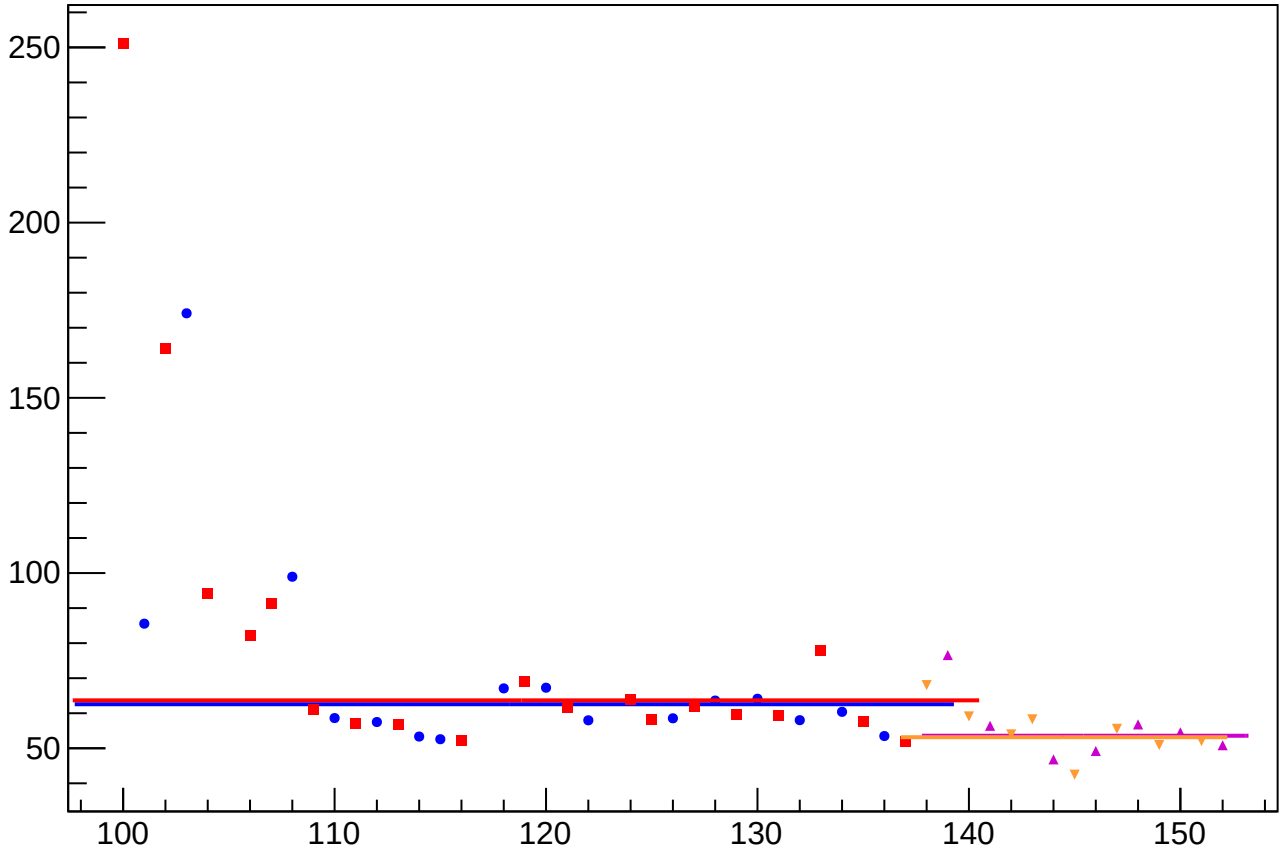
Left In: 59.707+/-21.941 χ^2/NDF:1.9/6

+ sign 9.541+/-16.165 χ^2/NDF: 31.1/23

All: 5.899+/-11.485 χ^2/NDF: 73.8/49

- sign 2.186+/-16.321 χ^2/NDF: 42.6/25

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.153+/-0.015 χ^2/NDF:208943.0/7

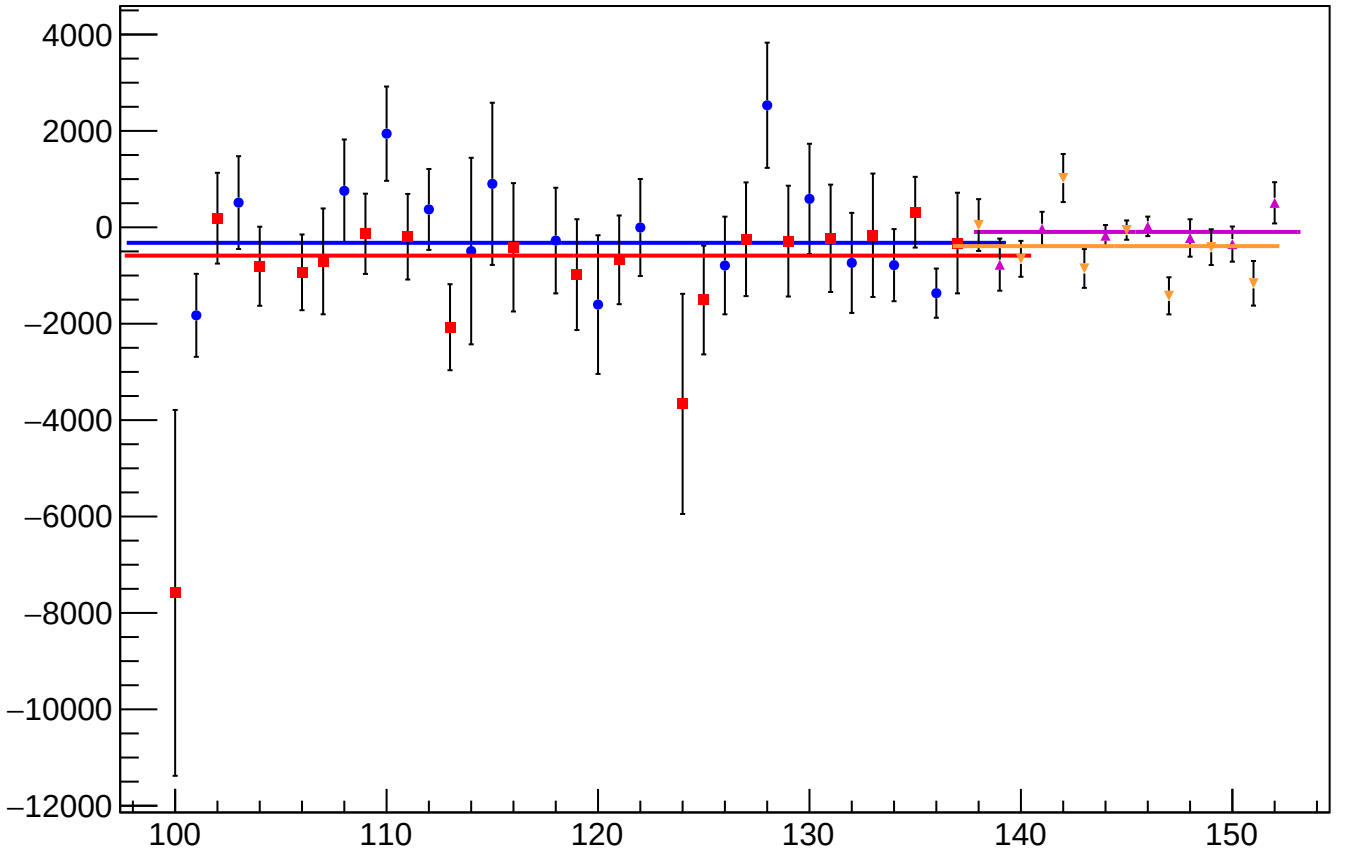
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.577+/-0.016 χ^2/NDF:217662.3/6

+ sign 57.351+/-0.011 χ^2/NDF: 1135079.6/23

All: 57.715+/-0.008 χ^2/NDF: 2375487.4/49

- sign 58.087+/-0.012 χ^2/NDF: 1238350.3/25



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -390.292+/-124.533 χ^2/NDF:23.2/7

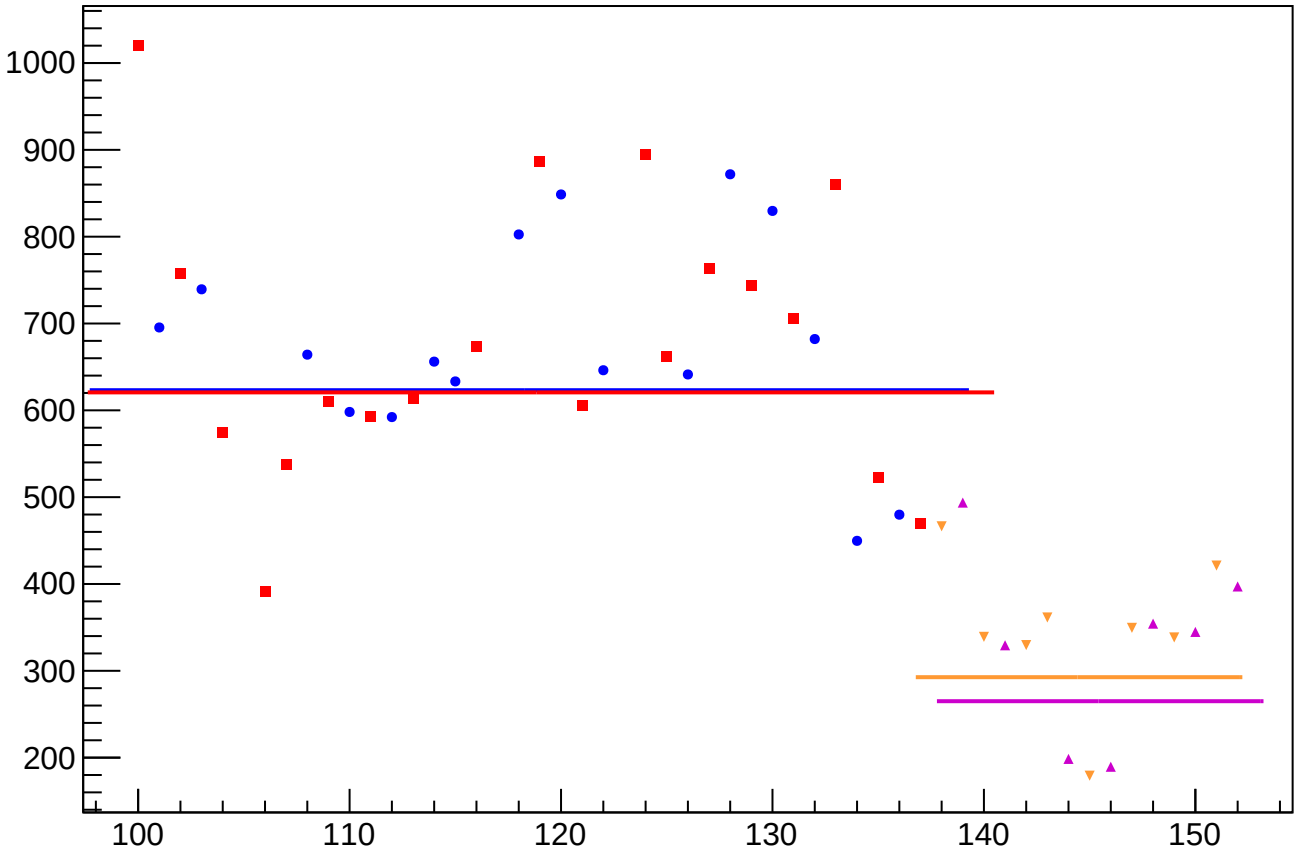
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -95.904+/-114.561 χ^2/NDF:4.6/6

+ sign -375.588+/-110.388 χ^2/NDF: 46.0/23

All: -276.736+/-75.269 χ^2/NDF: 67.9/49

- sign -190.845+/-102.898 χ^2/NDF: 20.4/25



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 292.657+/-0.088 χ^2/NDF:1179189.3/7

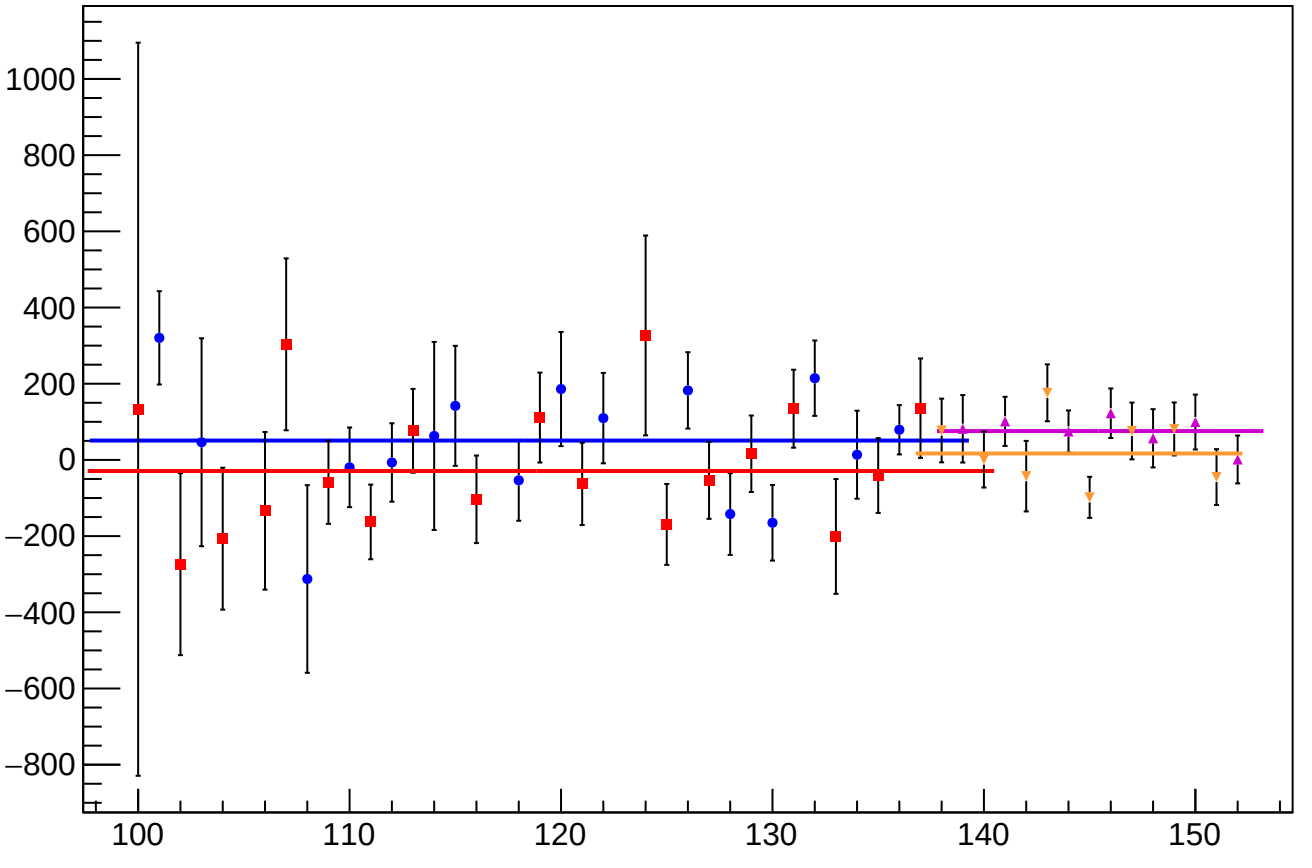
Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 265.005+/-0.081 χ^2/NDF:1278212.6/6

+ sign 363.474+/-0.078 χ^2/NDF: 4763364.7/23

All: 347.560+/-0.053 χ^2/NDF: 10454872.5/49

- sign 333.733+/-0.073 χ^2/NDF: 5613829.7/25



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 16.937+/-25.452 χ^2/NDF:12.3/7

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

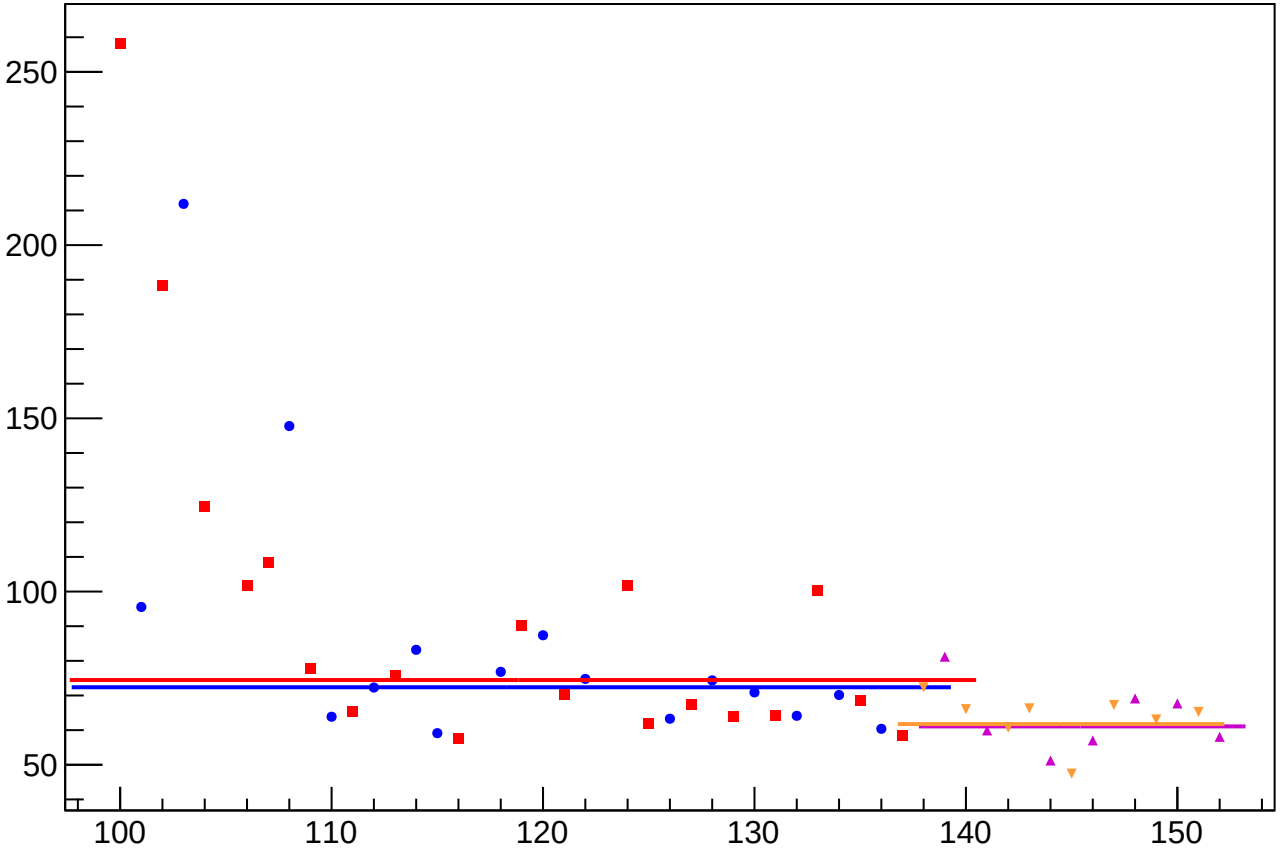
Left In: 75.765+/-25.399 χ^2/NDF:2.3/6

+ sign 32.088+/-18.929 χ^2/NDF: 36.0/23

All: 31.106+/-13.438 χ^2/NDF: 64.1/49

- sign 30.109+/-19.081 χ^2/NDF: 28.2/25

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 61.748+/-0.018 χ^2/NDF:204161.1/7

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

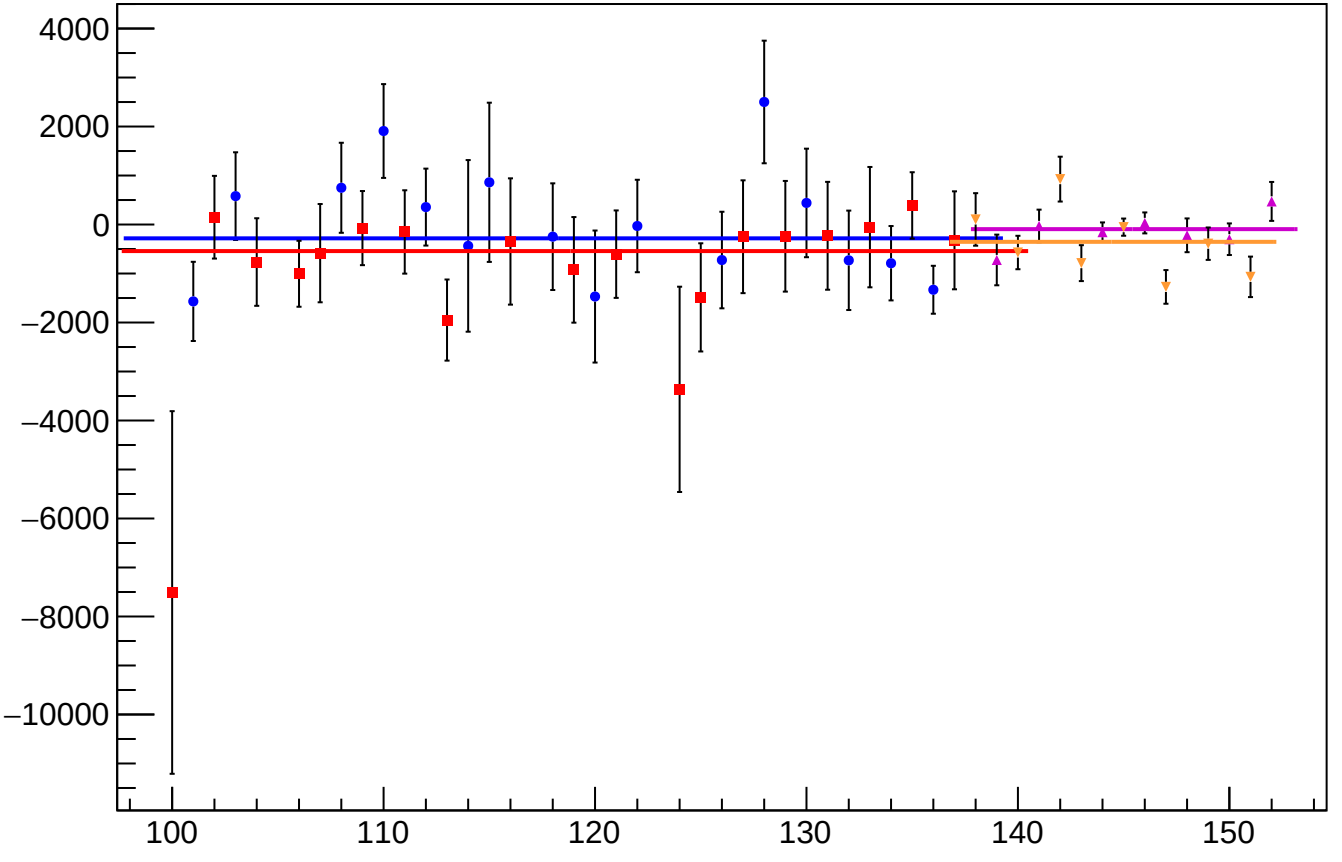
Left In: 61.076+/-0.018 χ^2/NDF:219269.1/6

+ sign 66.498+/-0.013 χ^2/NDF: 1298238.7/23

All: 66.701+/-0.010 χ^2/NDF: 2812324.7/49

- sign 66.908+/-0.013 χ^2/NDF: 1513621.0/25

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -353.285+/-111.628 χ^2/NDF:23.5/7

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

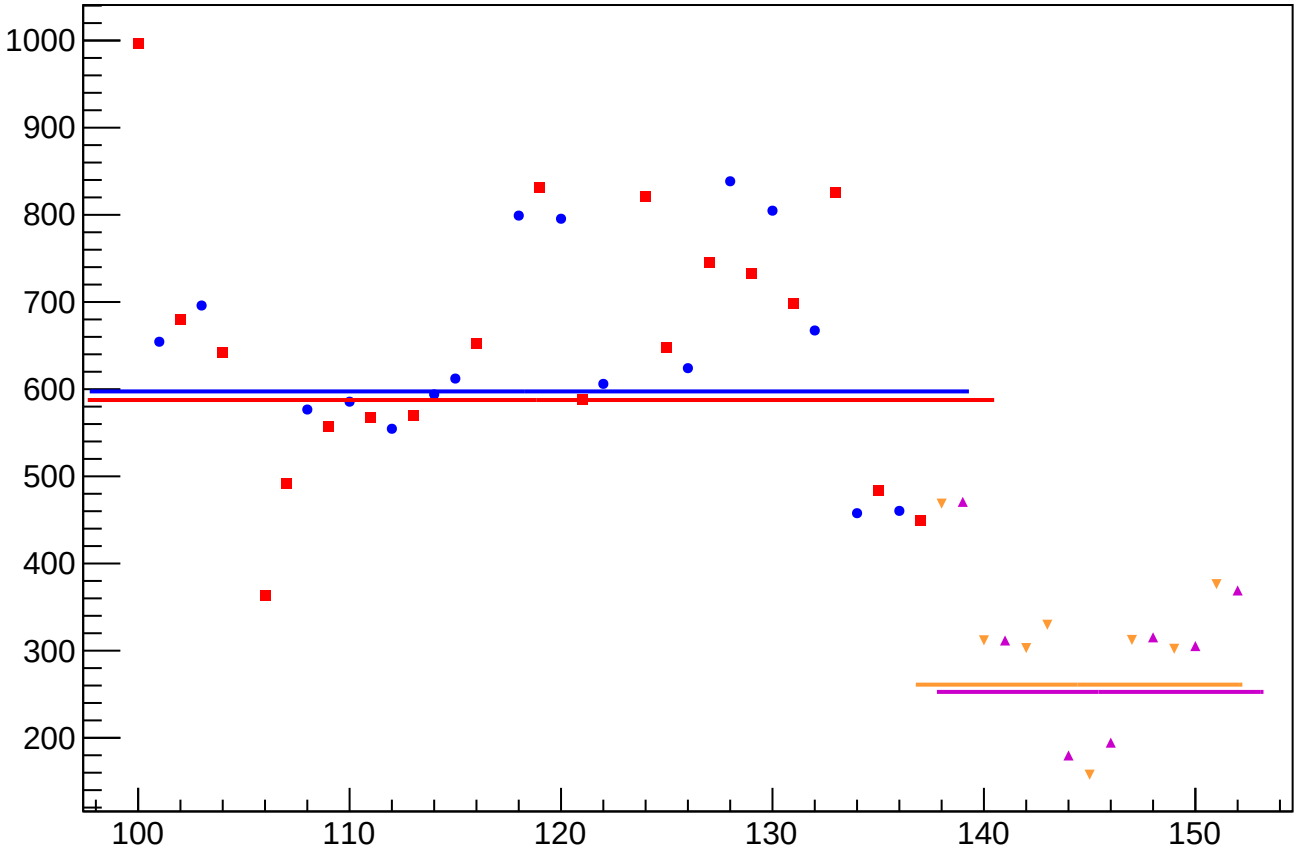
Left In: -94.222+/-108.893 χ^2/NDF:4.5/6

+ sign -339.488+/-100.239 χ^2/NDF: 46.3/23

All: -258.580+/-69.954 χ^2/NDF: 68.7/49

- sign -181.764+/-97.671 χ^2/NDF: 21.1/25

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 261.031+/-0.079 χ^2/NDF:1356183.5/7

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

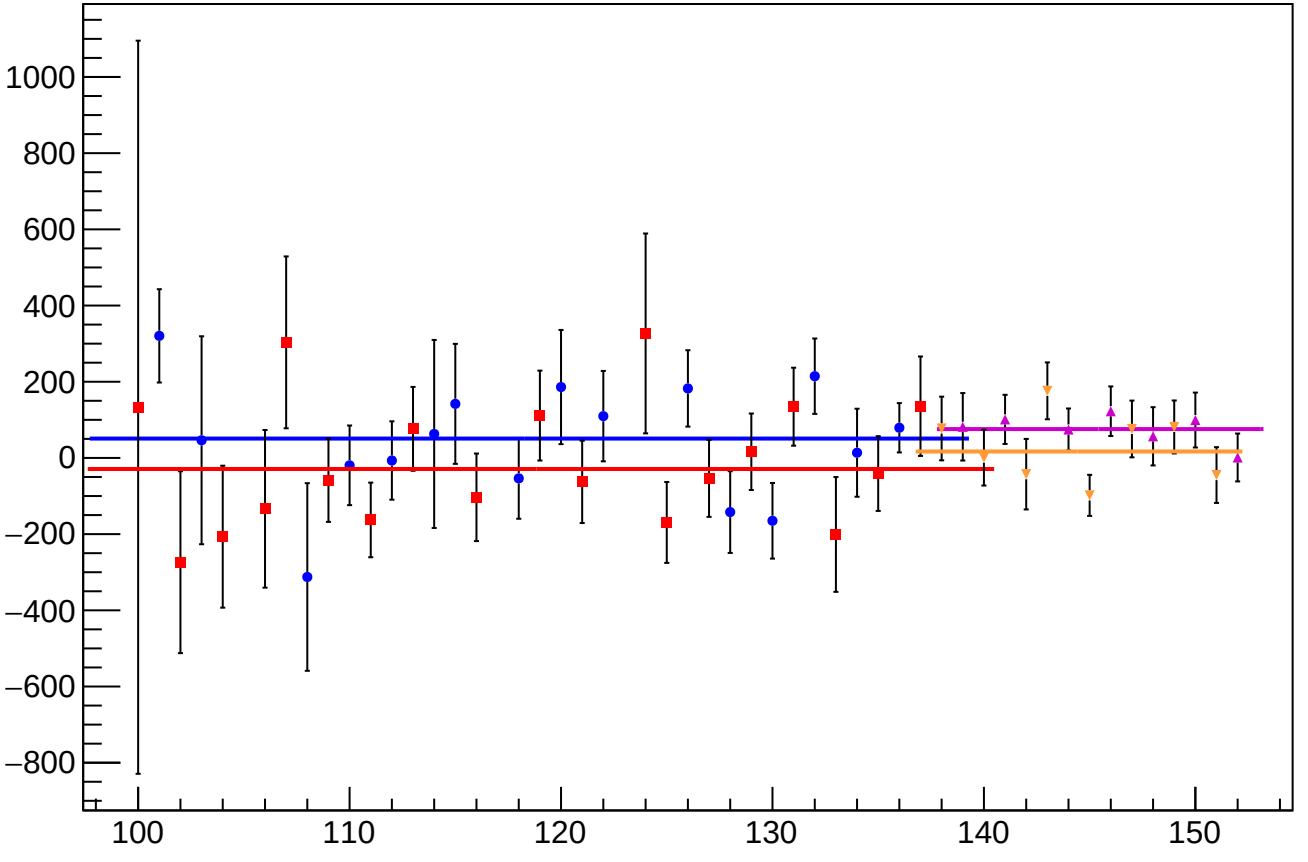
Left In: 252.692+/-0.077 χ^2/NDF:1126681.1/6

+ sign 326.174+/-0.071 χ^2/NDF: 5407371.9/23

All: 322.061+/-0.049 χ^2/NDF: 10927196.3/49

- sign 318.157+/-0.069 χ^2/NDF: 5513260.7/25

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 16.939+/-25.452 χ^2/NDF:12.3/7

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

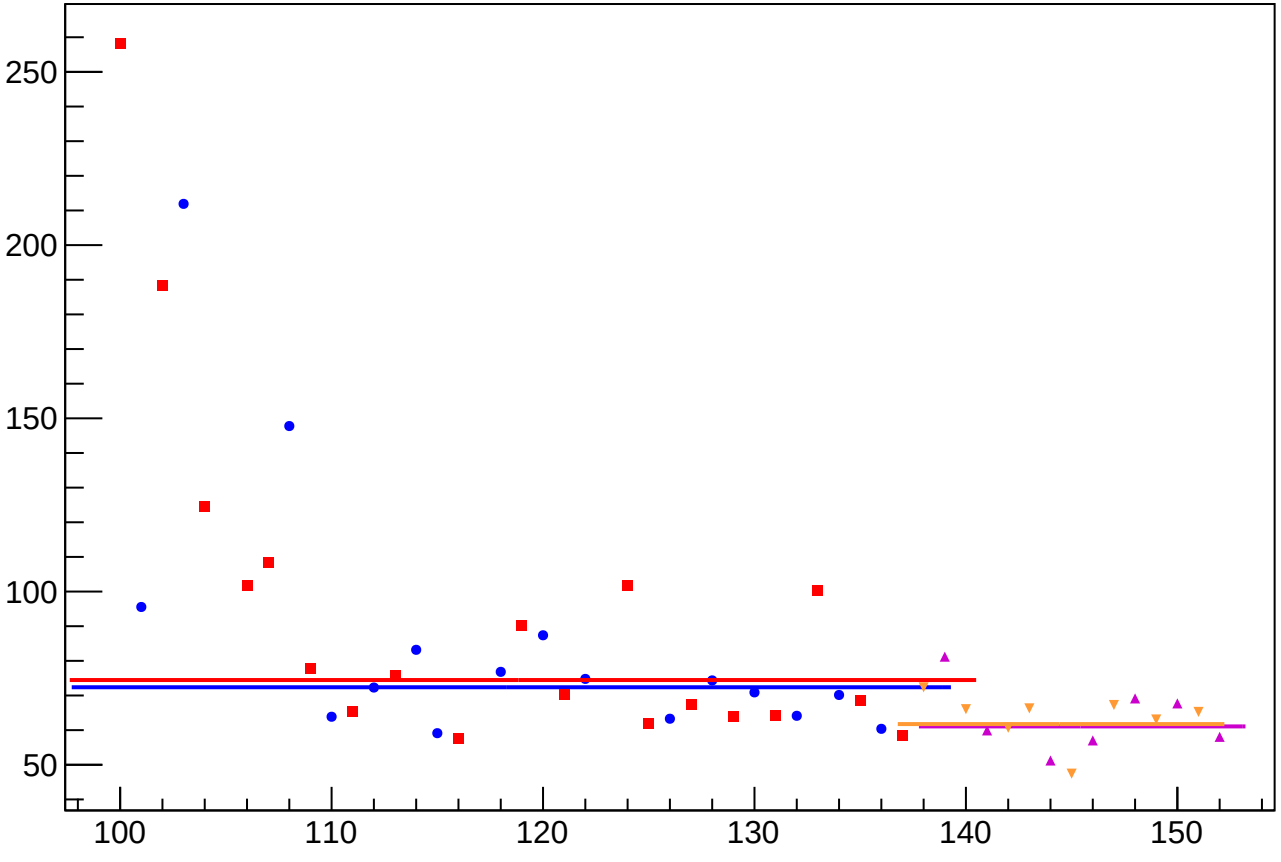
Left In: 75.765+/-25.400 χ^2/NDF:2.3/6

\+ sign 32.088+/-18.929 χ^2/NDF: 36.0/23

All: 31.107+/-13.438 χ^2/NDF: 64.1/49

\- sign 30.109+/-19.081 χ^2/NDF: 28.2/25

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 61.748+/-0.018 χ^2/NDF:204172.3/7

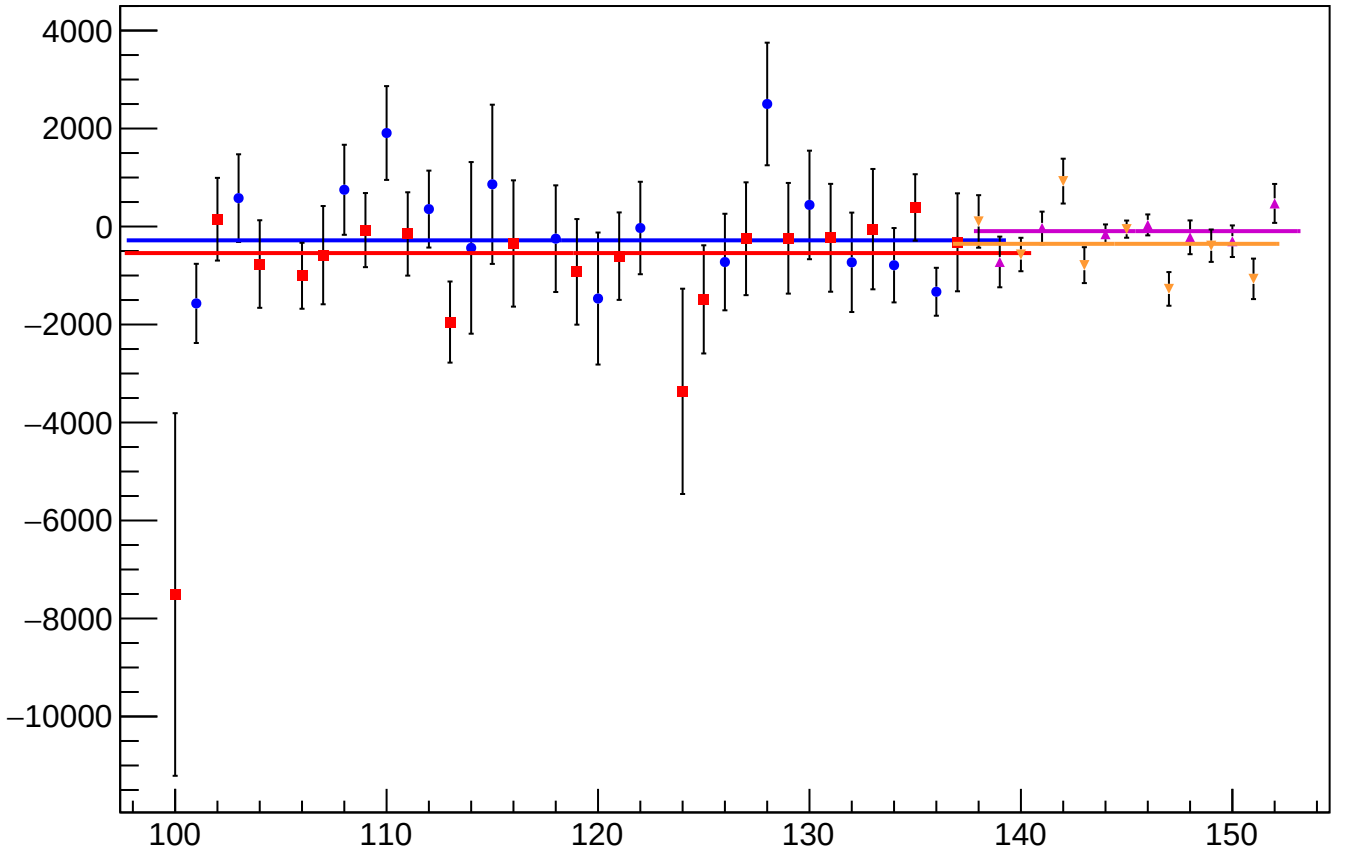
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 61.076+/-0.018 χ^2/NDF:219272.0/6

+ sign 66.498+/-0.013 χ^2/NDF: 1298244.0/23

All: 66.701+/-0.010 χ^2/NDF: 2812318.2/49

- sign 66.908+/-0.013 χ^2/NDF: 1513609.2/25



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -353.285+/-111.628 χ^2/NDF:23.5/7

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

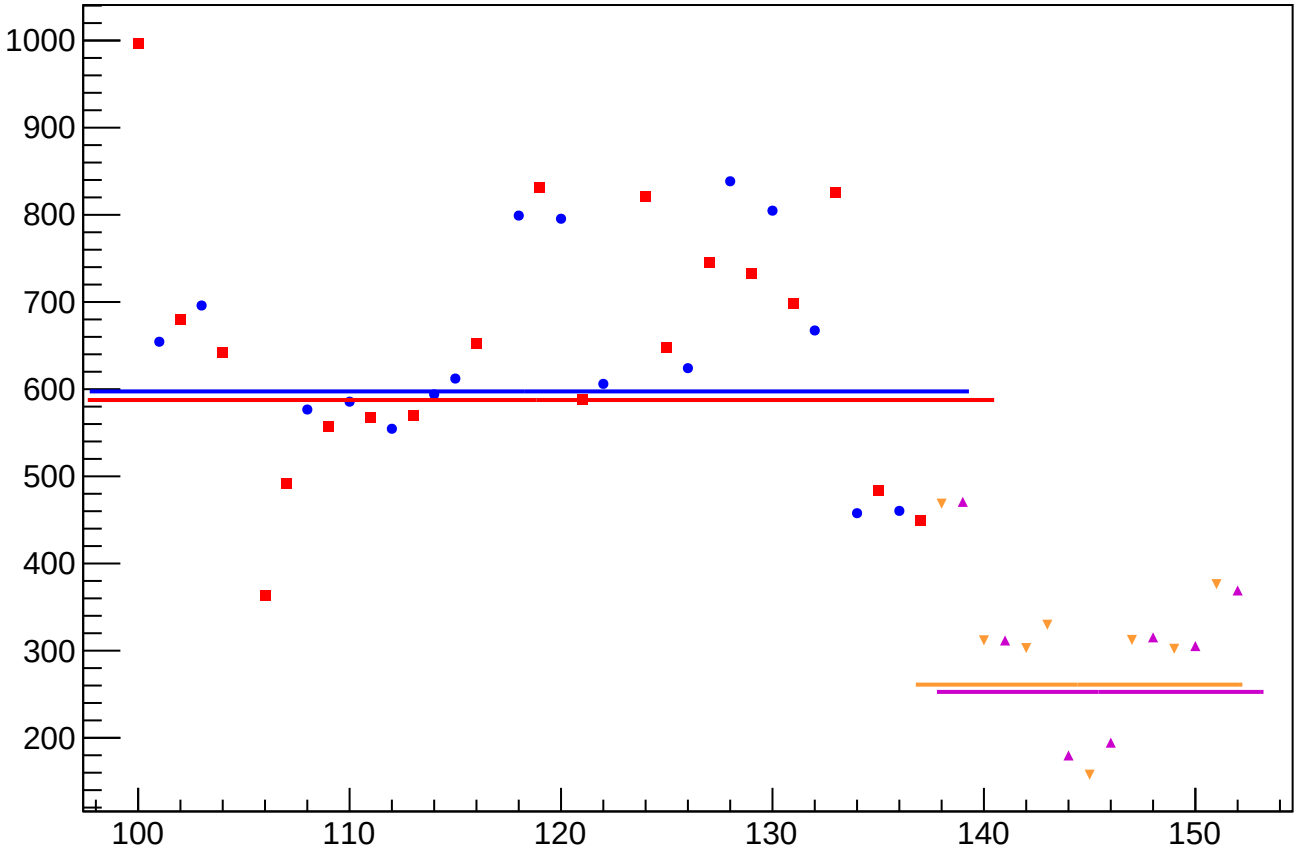
Left In: -94.222+/-108.893 χ^2/NDF:4.5/6

+ sign -339.489+/-100.239 χ^2/NDF: 46.3/23

All: -258.580+/-69.954 χ^2/NDF: 68.7/49

- sign -181.763+/-97.671 χ^2/NDF: 21.1/25

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 261.030+/-0.079 χ^2/NDF:1356176.5/7

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

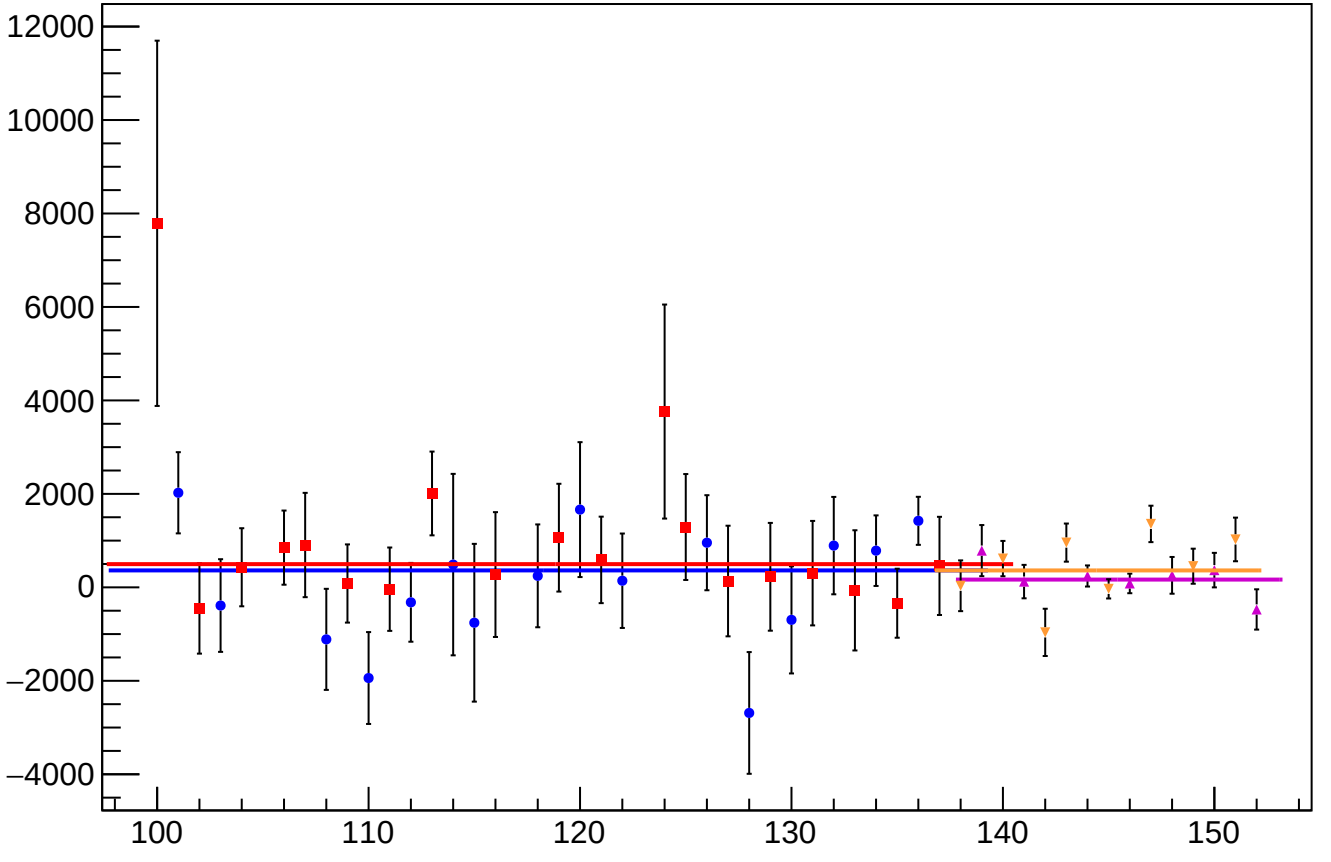
Left In: 252.692+/-0.077 χ^2/NDF:1126676.2/6

+ sign 326.174+/-0.071 χ^2/NDF: 5407370.5/23

All: 322.061+/-0.049 χ^2/NDF: 10927191.5/49

- sign 318.156+/-0.069 χ^2/NDF: 5513257.1/25

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 362.084+/-126.839 χ^2/NDF:22.1/7

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

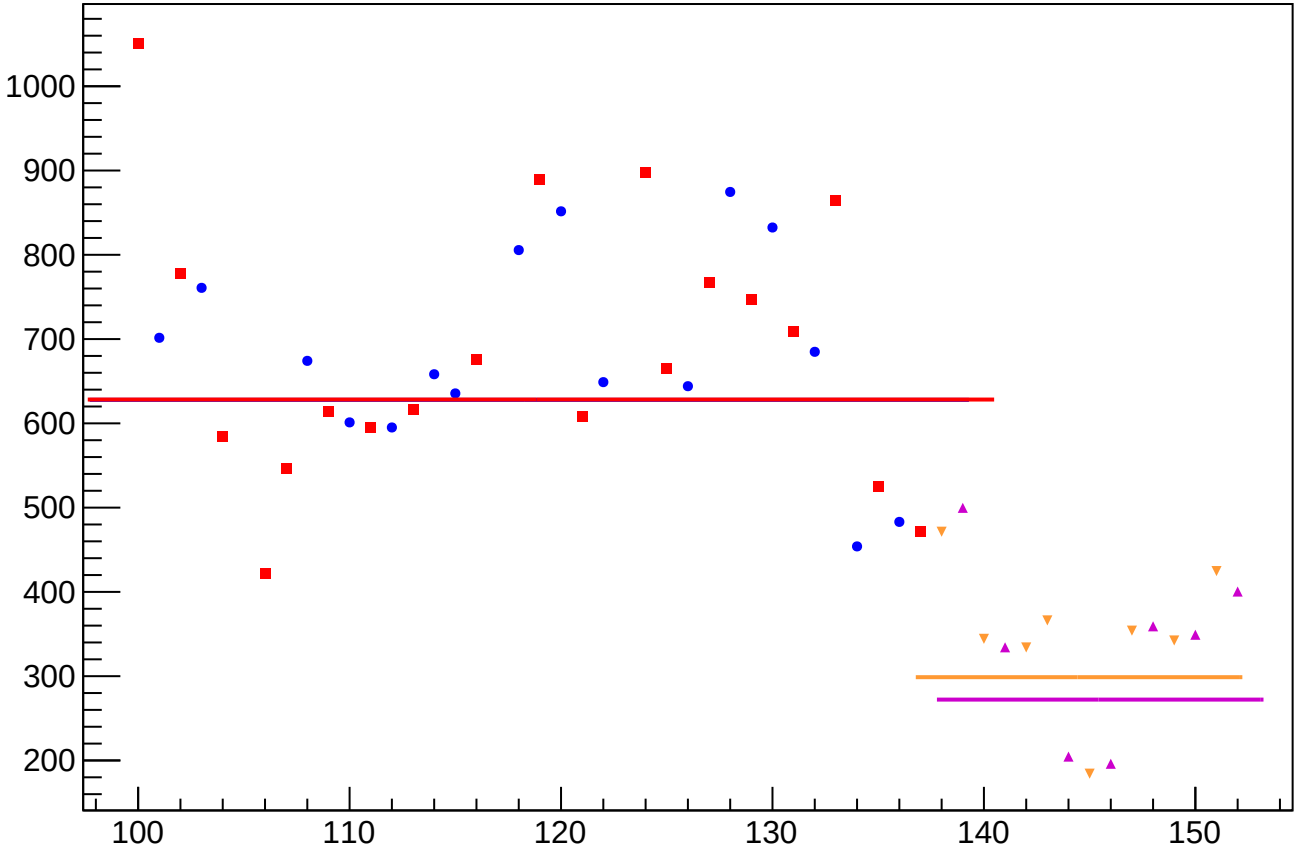
Left In: 166.174+/-117.255 χ^2/NDF:4.1/6

+ sign 362.149+/-112.172 χ^2/NDF: 47.1/23

All: 292.568+/-76.661 χ^2/NDF: 66.2/49

- sign 231.587+/-105.011 χ^2/NDF: 18.4/25

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 298.803+/-0.090 χ^2/NDF:1125727.3/7

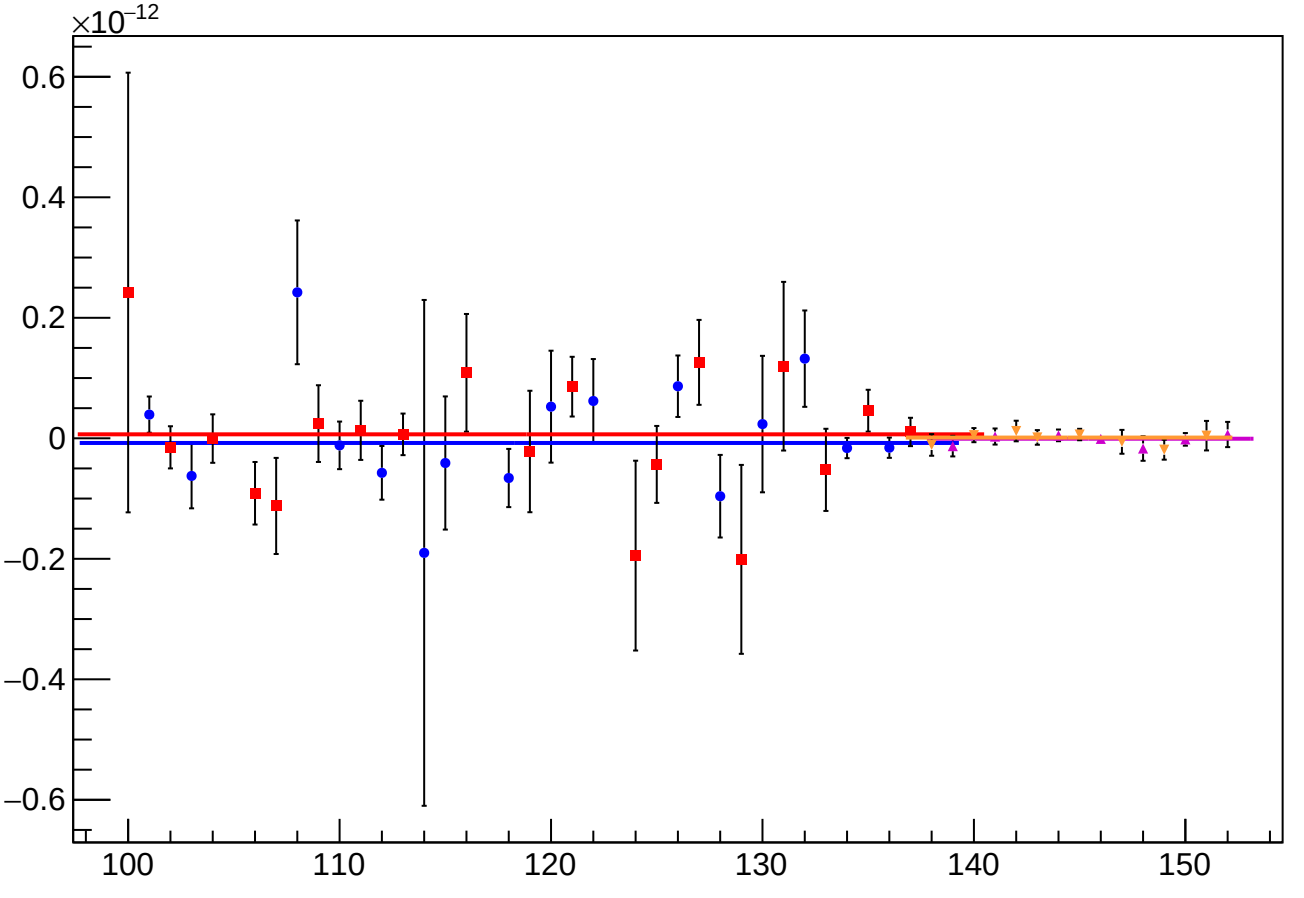
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 272.211+/-0.083 χ^2/NDF:1211161.3/6

+ sign 370.511+/-0.079 χ^2/NDF: 4626209.1/23

All: 355.682+/-0.054 χ^2/NDF: 10123996.3/49

- sign 342.686+/-0.074 χ^2/NDF: 5432203.4/25



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.9/7

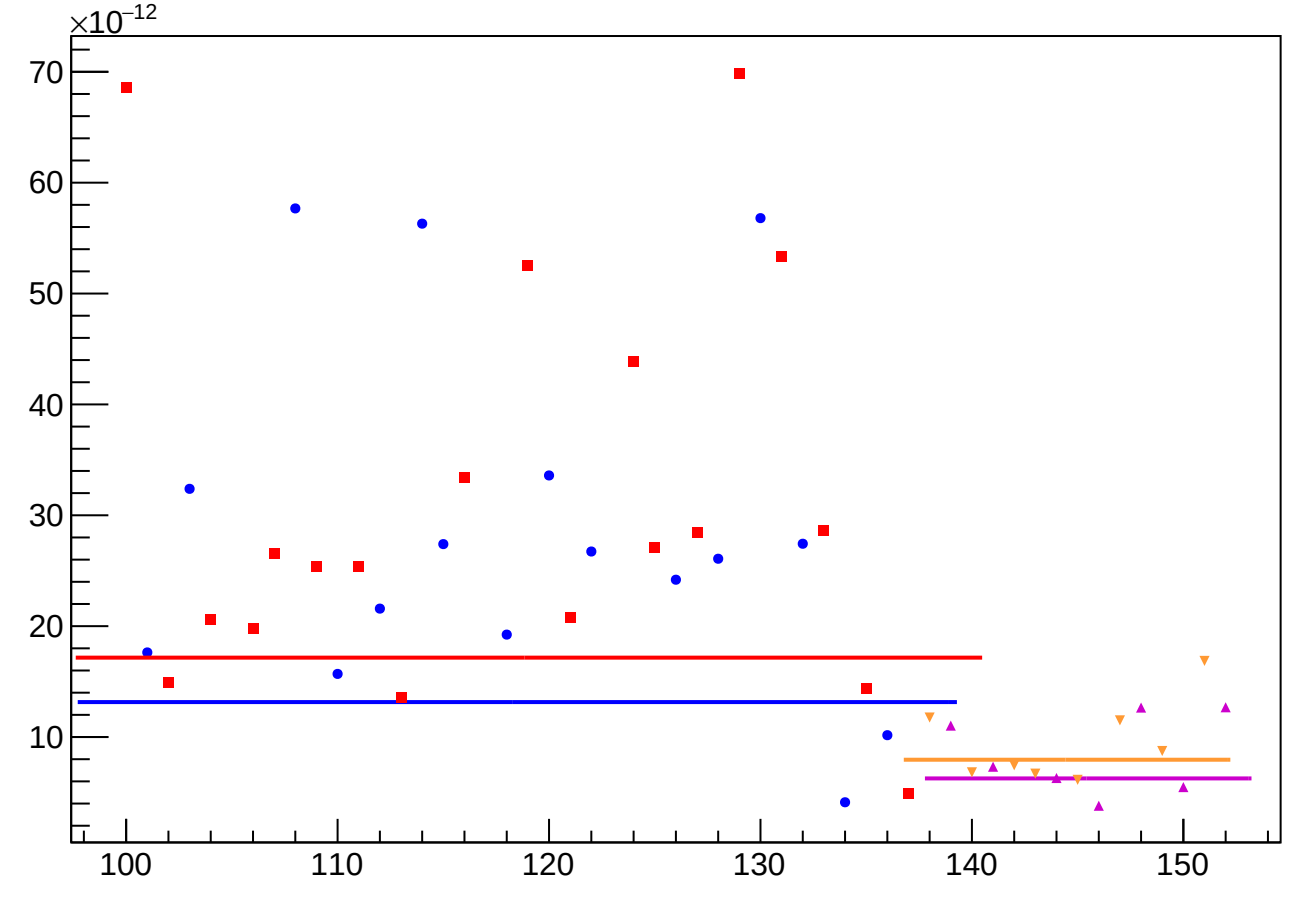
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 24.6/23

All: -0.000+/-0.000 χ^2/NDF: 46.6/49

- sign 0.000+/-0.000 χ^2/NDF: 22.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:538170.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

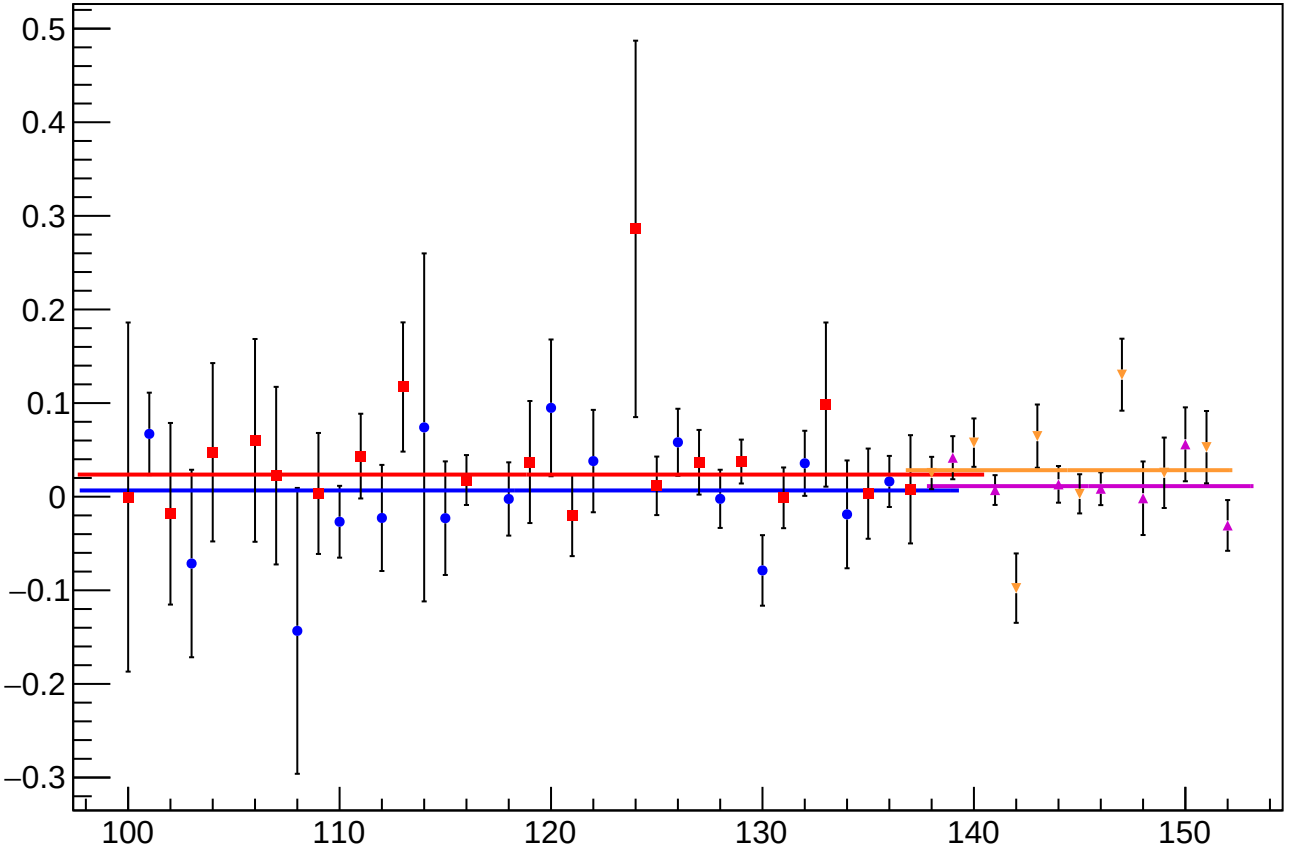
Left In: 0.000+/-0.000 χ^2/NDF:788330.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 3099104.9/23

All: 0.000+/-0.000 χ^2/NDF: 7210760.0/49

- sign 0.000+/-0.000 χ^2/NDF: 3992811.5/25

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: 0.028+/-0.010 χ^2/NDF:23.0/7

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

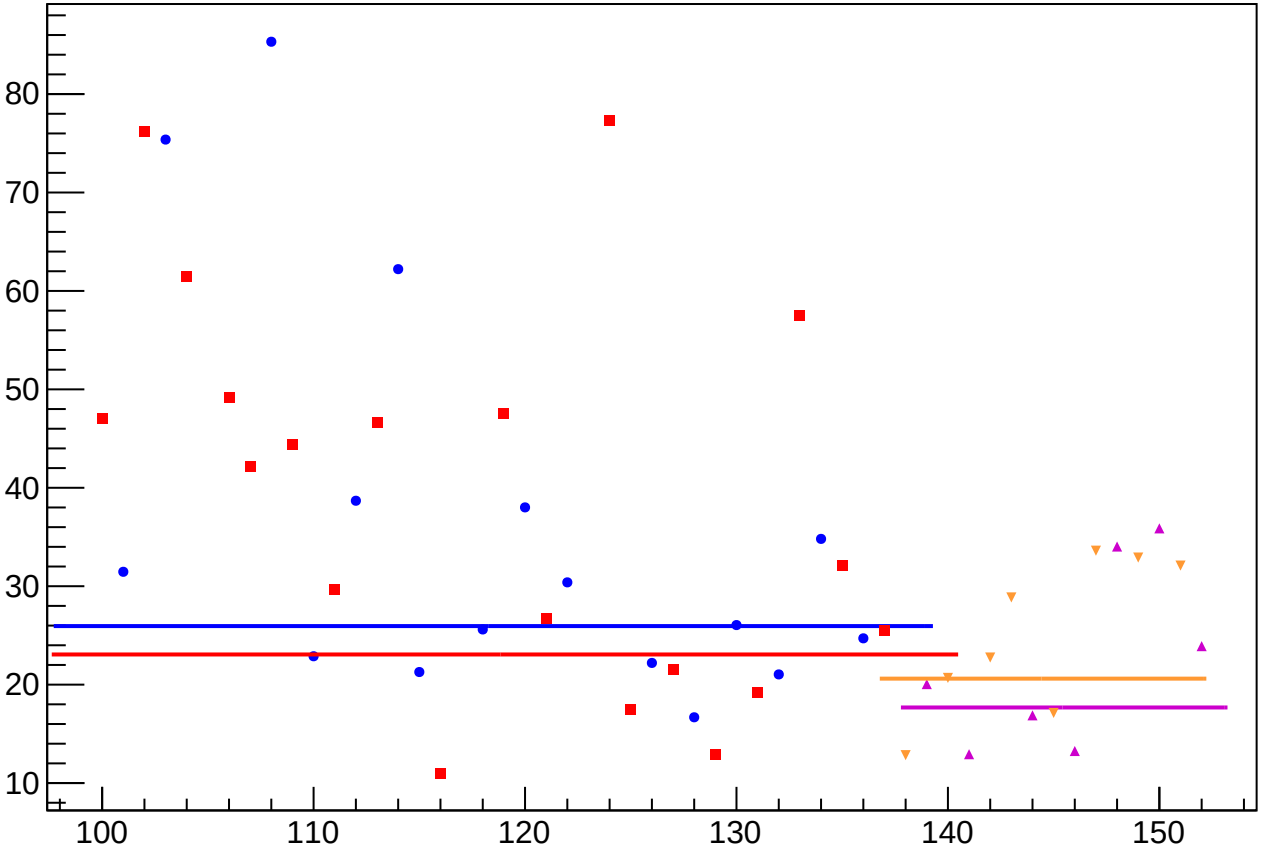
Left In: 0.011+/-0.008 χ^2/NDF:5.6/6

+ sign 0.019+/-0.007 χ^2/NDF: 40.1/23

All: 0.017+/-0.005 χ^2/NDF: 54.2/49

- sign 0.016+/-0.007 χ^2/NDF: 14.0/25

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: 20.610+/-0.007 χ^2/NDF:1207053.4/7

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

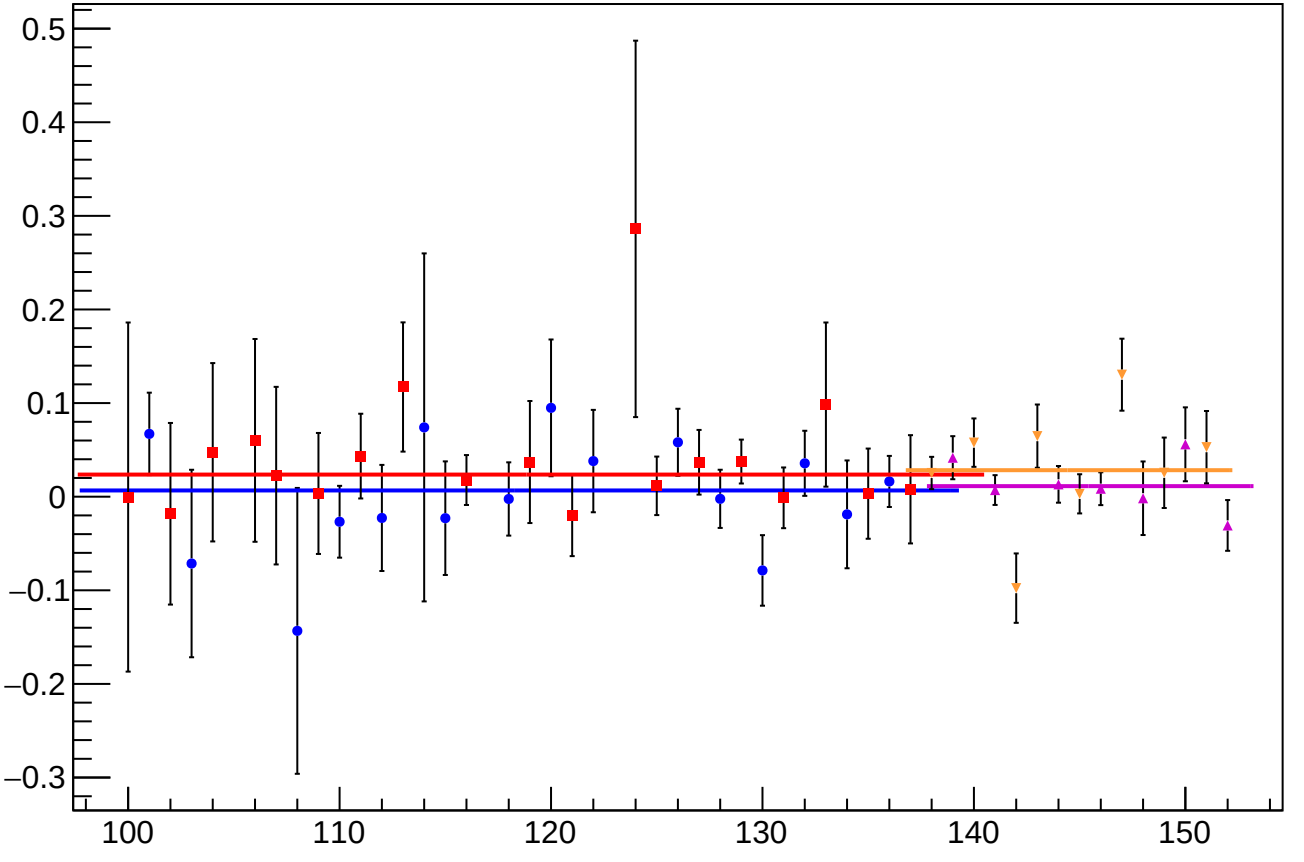
Left In: 17.680+/-0.006 χ^2/NDF:1207277.2/6

+ sign 22.901+/-0.005 χ^2/NDF: 2852895.8/23

All: 21.166+/-0.003 χ^2/NDF: 7949270.1/49

- sign 19.764+/-0.005 χ^2/NDF: 4890486.9/25

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.028+/-0.010 χ^2/NDF:23.0/7

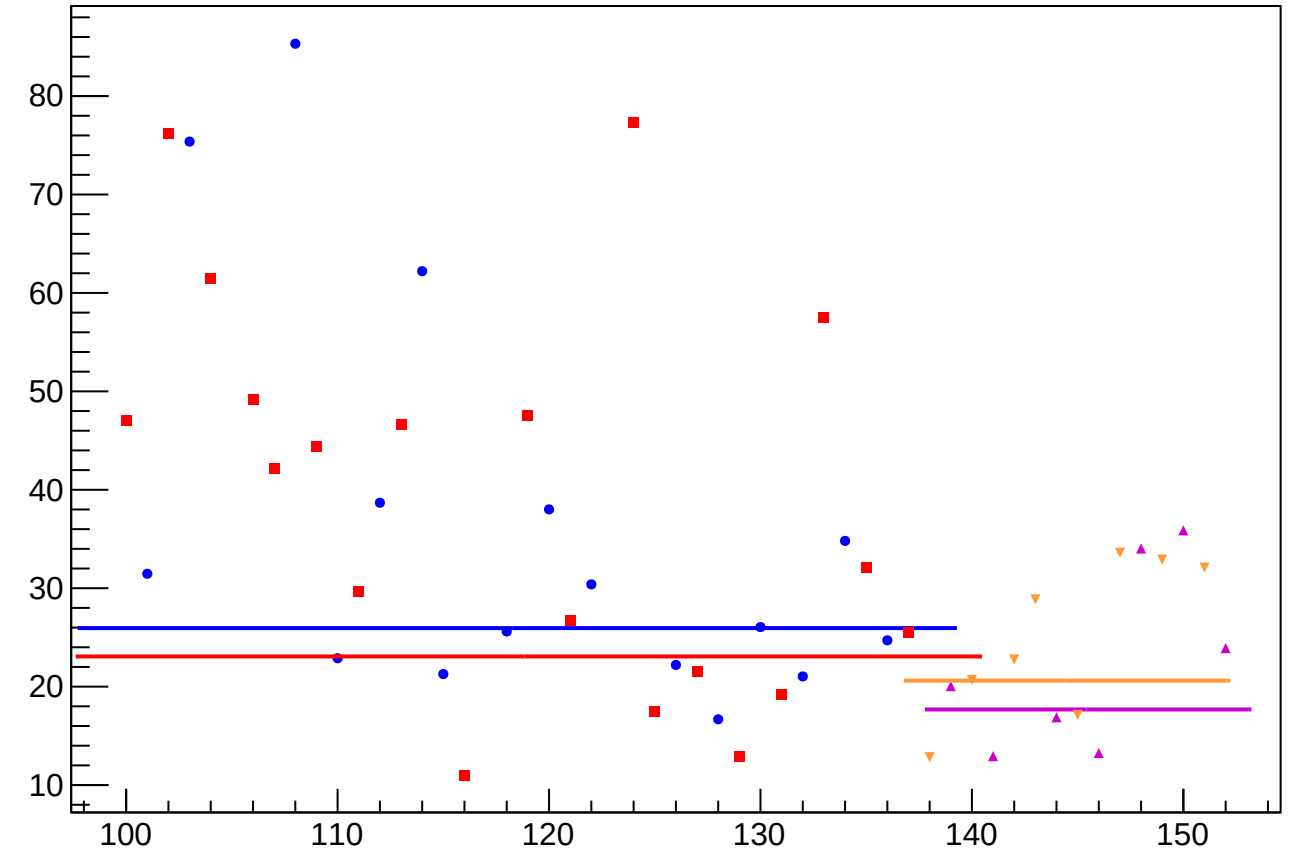
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.011+/-0.008 χ^2/NDF:5.6/6

+ sign 0.019+/-0.007 χ^2/NDF: 40.1/23

All: 0.017+/-0.005 χ^2/NDF: 54.2/49

- sign 0.016+/-0.007 χ^2/NDF: 14.0/25



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 20.610+/-0.007 χ^2/NDF:1207053.4/7

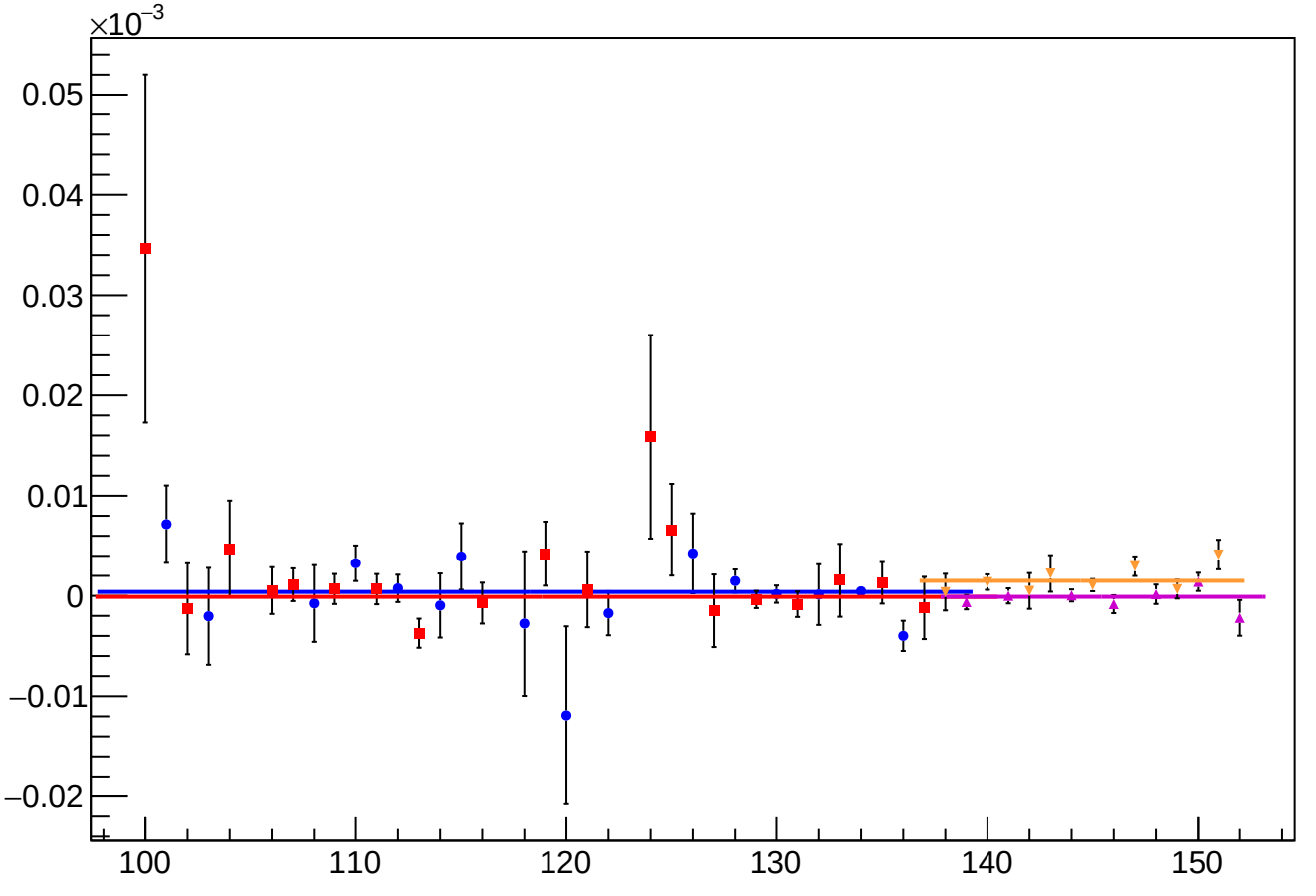
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 17.680+/-0.006 χ^2/NDF:1207277.2/6

+ sign 22.901+/-0.005 χ^2/NDF: 2852895.8/23

All: 21.166+/-0.003 χ^2/NDF: 7949270.1/49

- sign 19.764+/-0.005 χ^2/NDF: 4890486.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/7

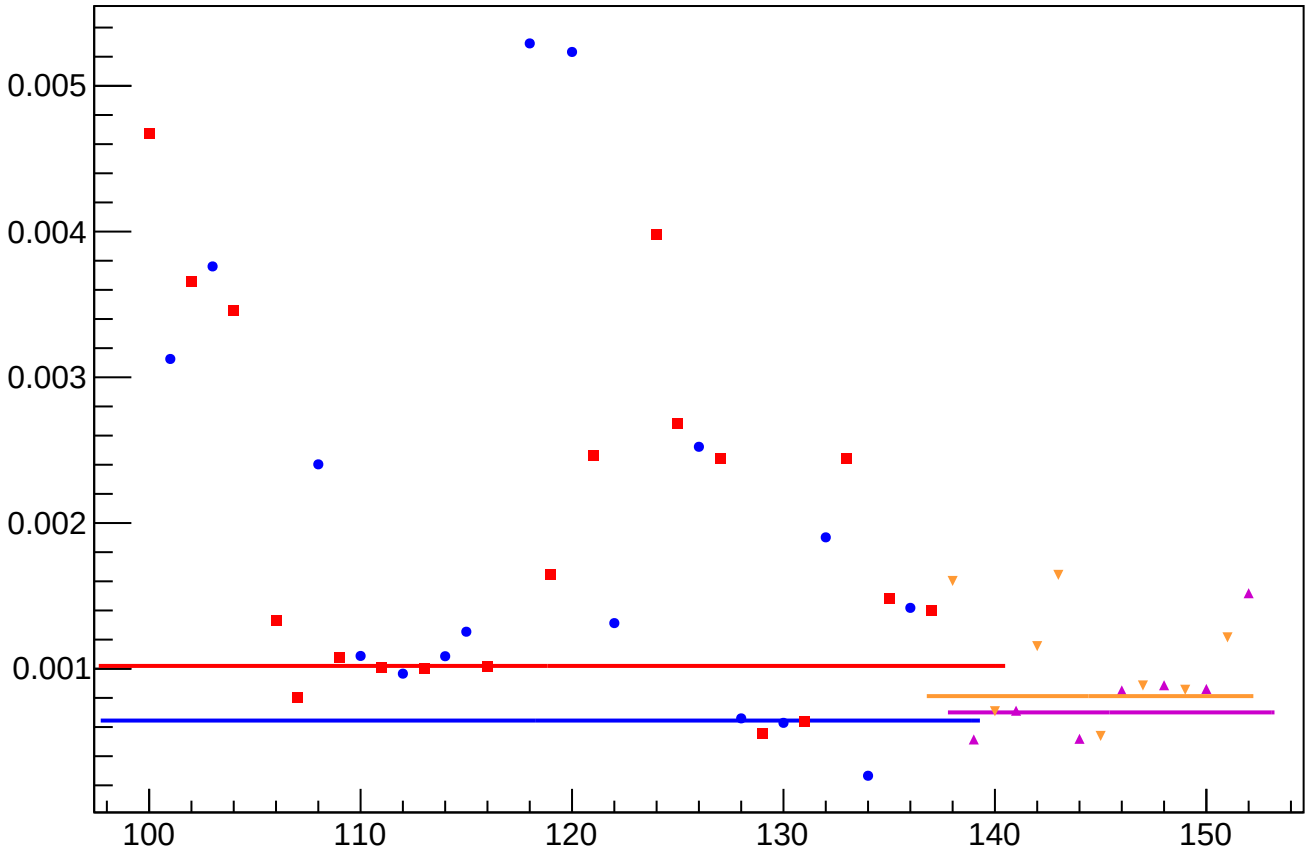
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 33.6/23

All: 0.000+/-0.000 χ^2/NDF: 67.7/49

- sign -0.000+/-0.000 χ^2/NDF: 25.9/25



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1461476.2/7

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

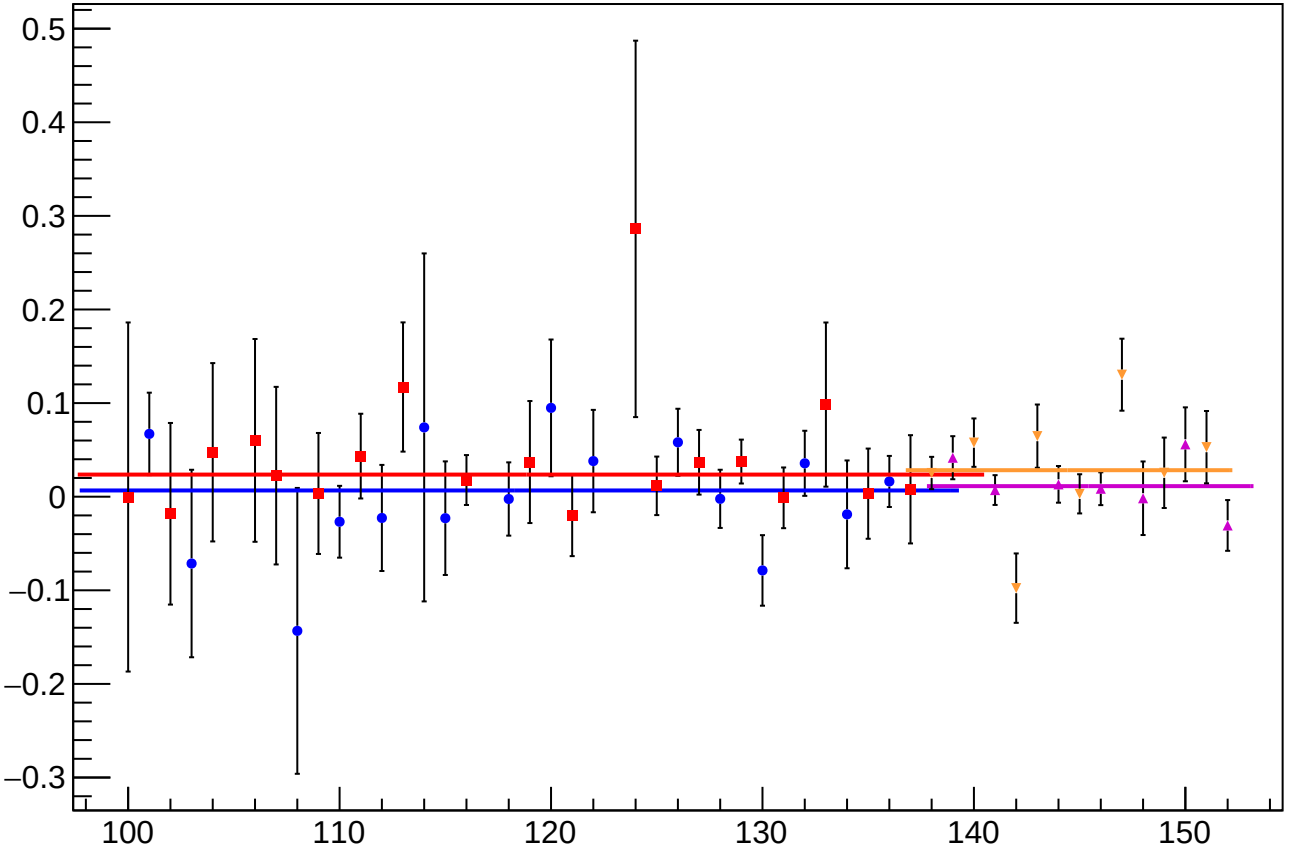
Left In: 0.001+/-0.000 χ^2/NDF:928408.9/6

+ sign 0.001+/-0.000 χ^2/NDF: 8269591.0/23

All: 0.001+/-0.000 χ^2/NDF: 13638569.6/49

- sign 0.001+/-0.000 χ^2/NDF: 5268951.7/25

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: 0.028+/-0.010 χ^2/NDF:23.0/7

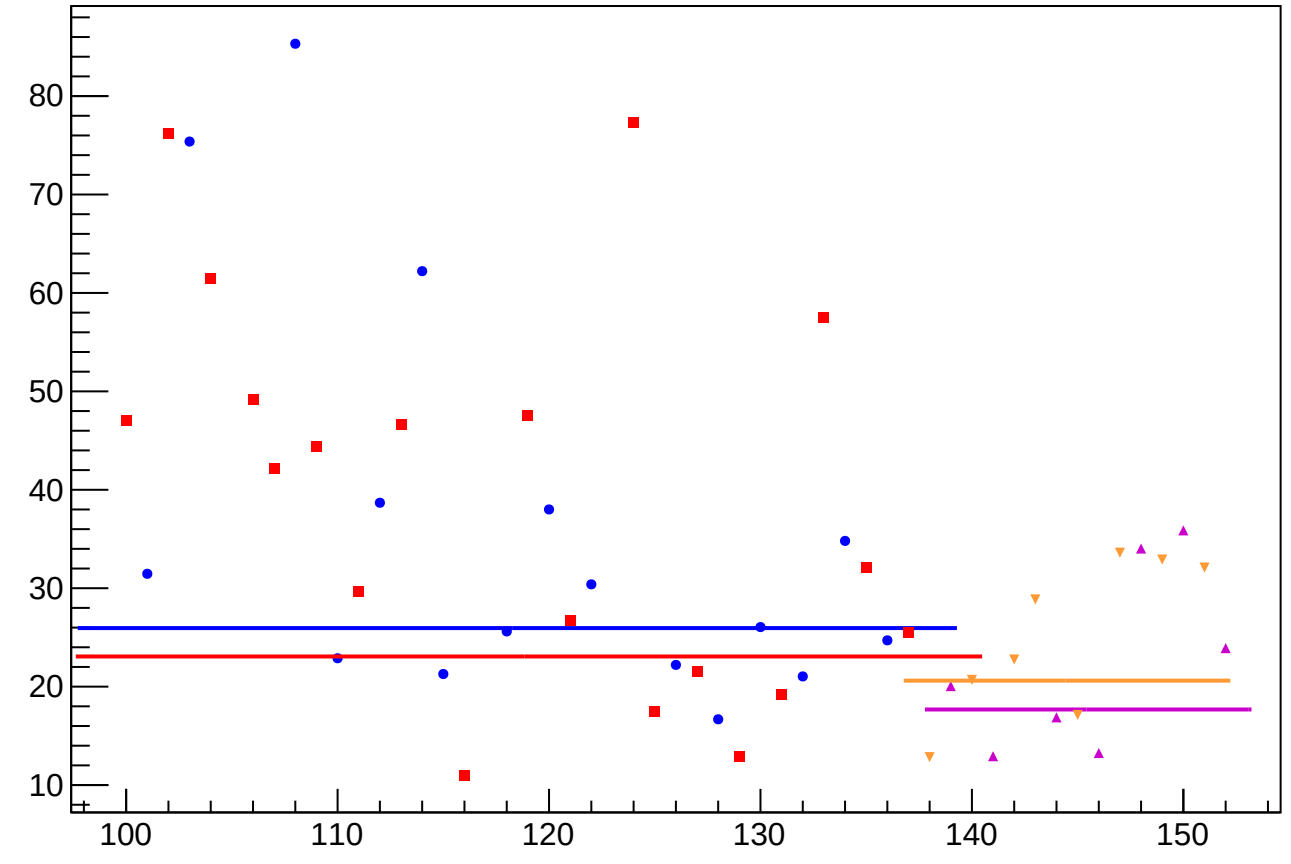
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.011+/-0.008 χ^2/NDF:5.6/6

+ sign 0.019+/-0.007 χ^2/NDF: 40.1/23

All: 0.017+/-0.005 χ^2/NDF: 54.2/49

- sign 0.016+/-0.007 χ^2/NDF: 14.0/25



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.610+/-0.007 χ^2/NDF:1207096.7/7

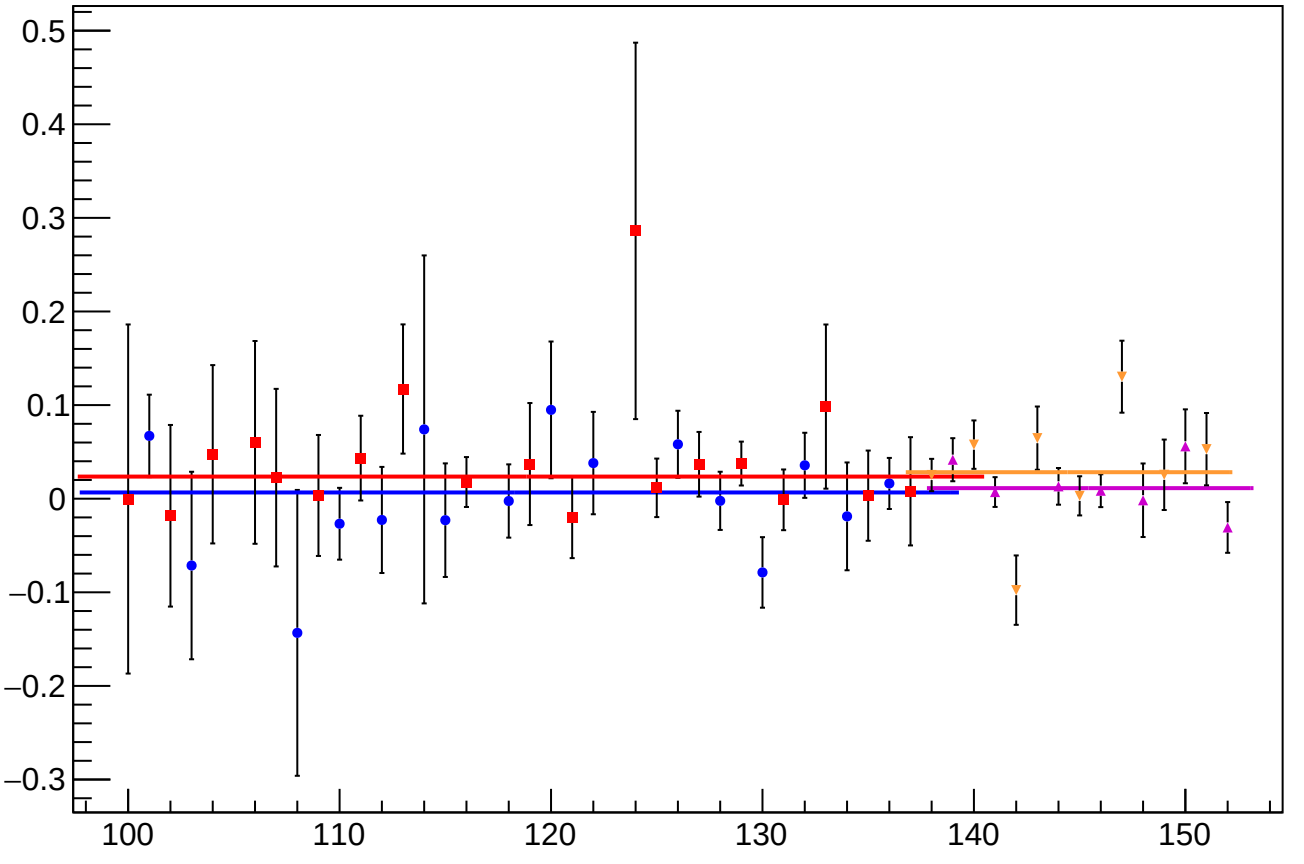
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 17.680+/-0.006 χ^2/NDF:1207327.0/6

+ sign 22.901+/-0.005 χ^2/NDF: 2852872.9/23

All: 21.166+/-0.003 χ^2/NDF: 7949182.7/49

- sign 19.765+/-0.005 χ^2/NDF: 4890403.7/25



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.028+/-0.010 χ^2/NDF:23.0/7

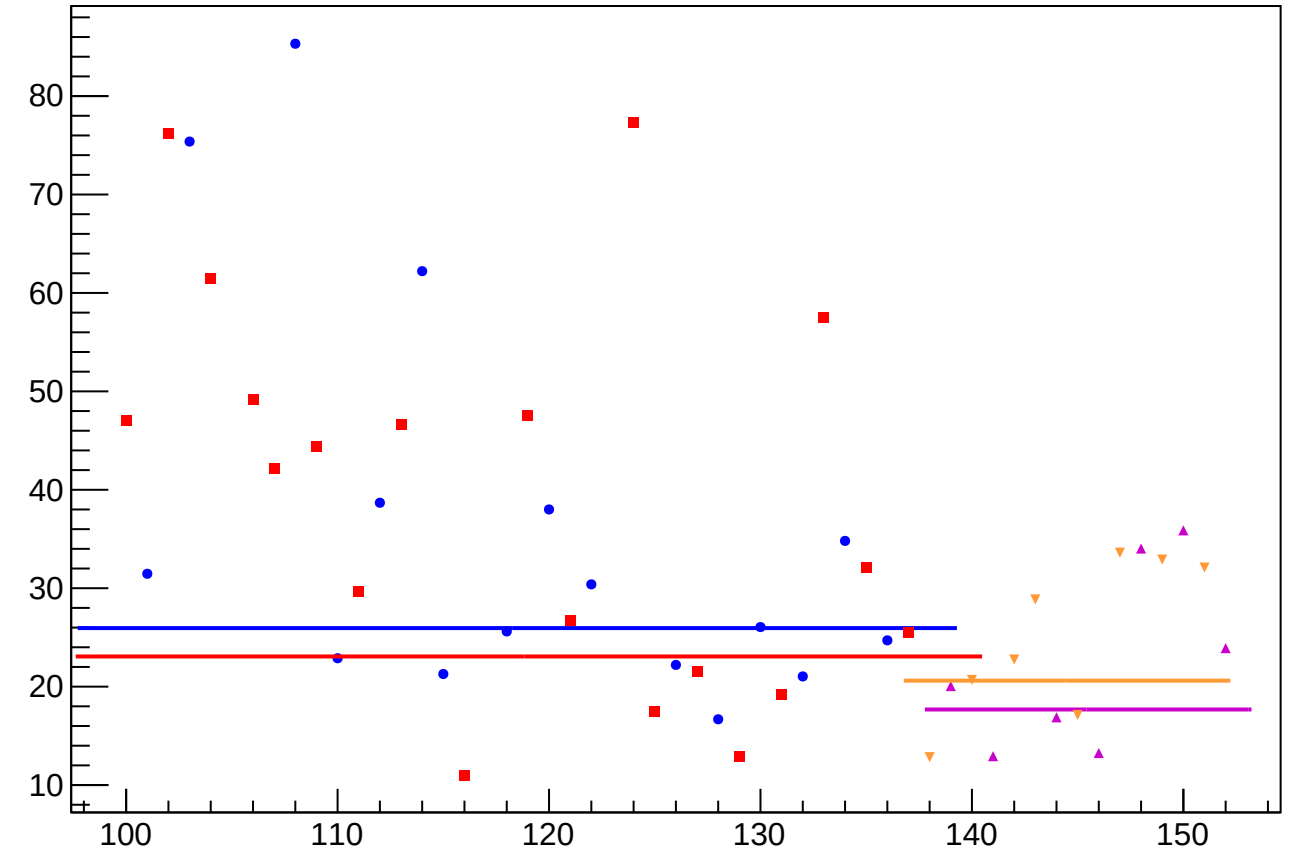
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.011+/-0.008 χ^2/NDF:5.6/6

+ sign 0.019+/-0.007 χ^2/NDF: 40.1/23

All: 0.017+/-0.005 χ^2/NDF: 54.2/49

- sign 0.016+/-0.007 χ^2/NDF: 14.0/25



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.610+/-0.007 χ^2/NDF:1207096.7/7

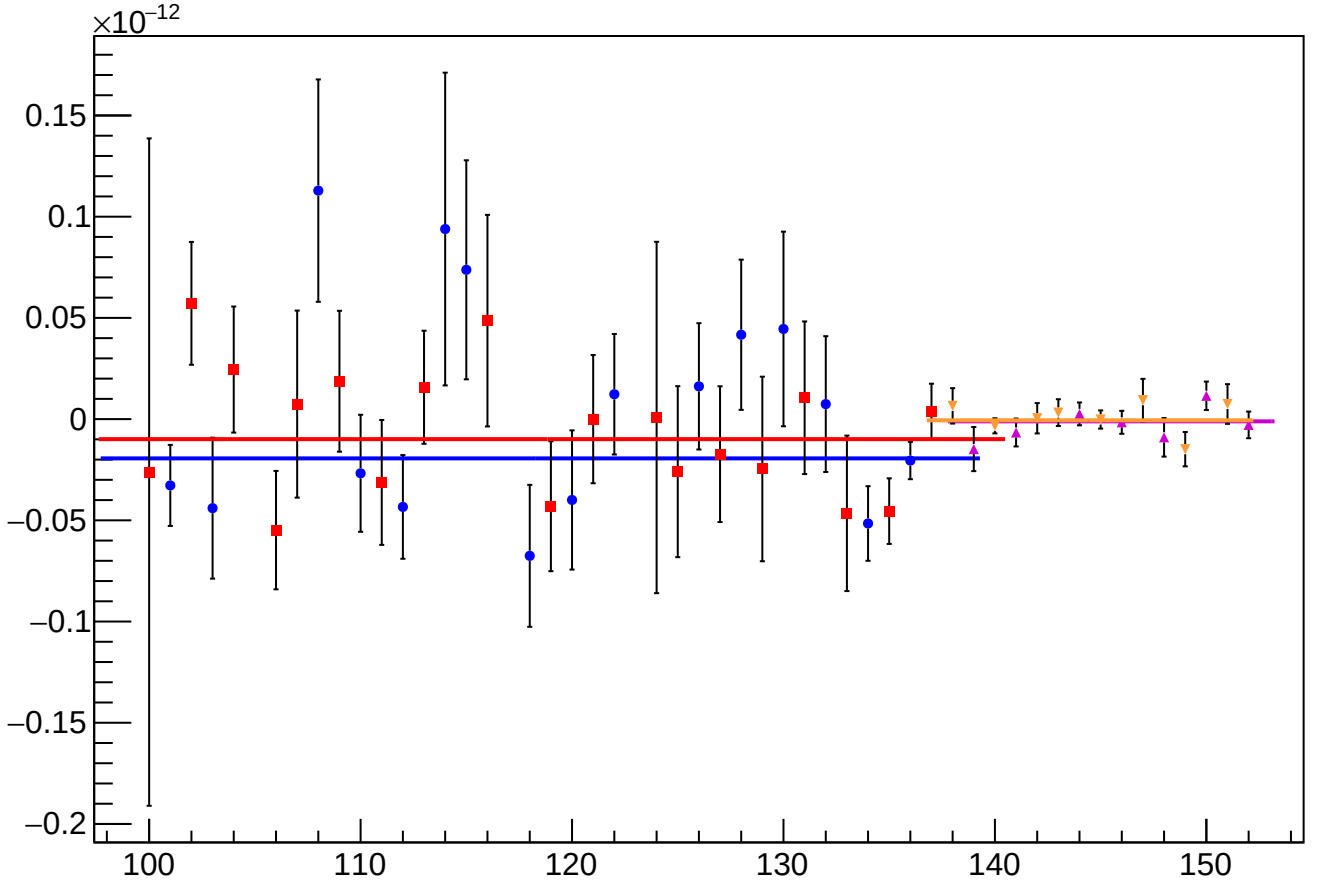
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 17.680+/-0.006 χ^2/NDF:1207327.0/6

+ sign 22.901+/-0.005 χ^2/NDF: 2852872.9/23

All: 21.166+/-0.003 χ^2/NDF: 7949182.7/49

- sign 19.765+/-0.005 χ^2/NDF: 4890403.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/7

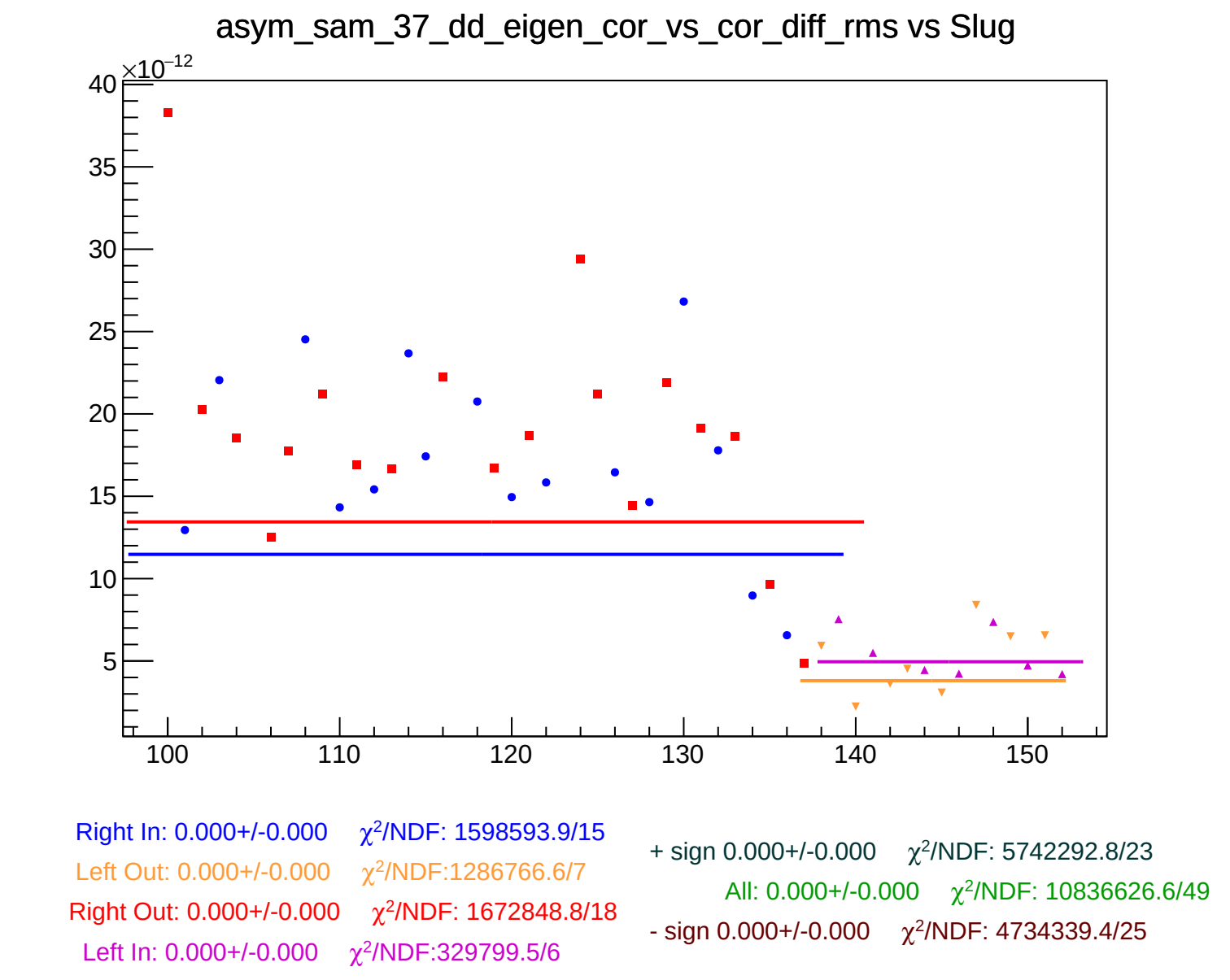
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 40.2/23

All: -0.000+/-0.000 χ^2/NDF: 68.6/49

- sign -0.000+/-0.000 χ^2/NDF: 28.4/25


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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120
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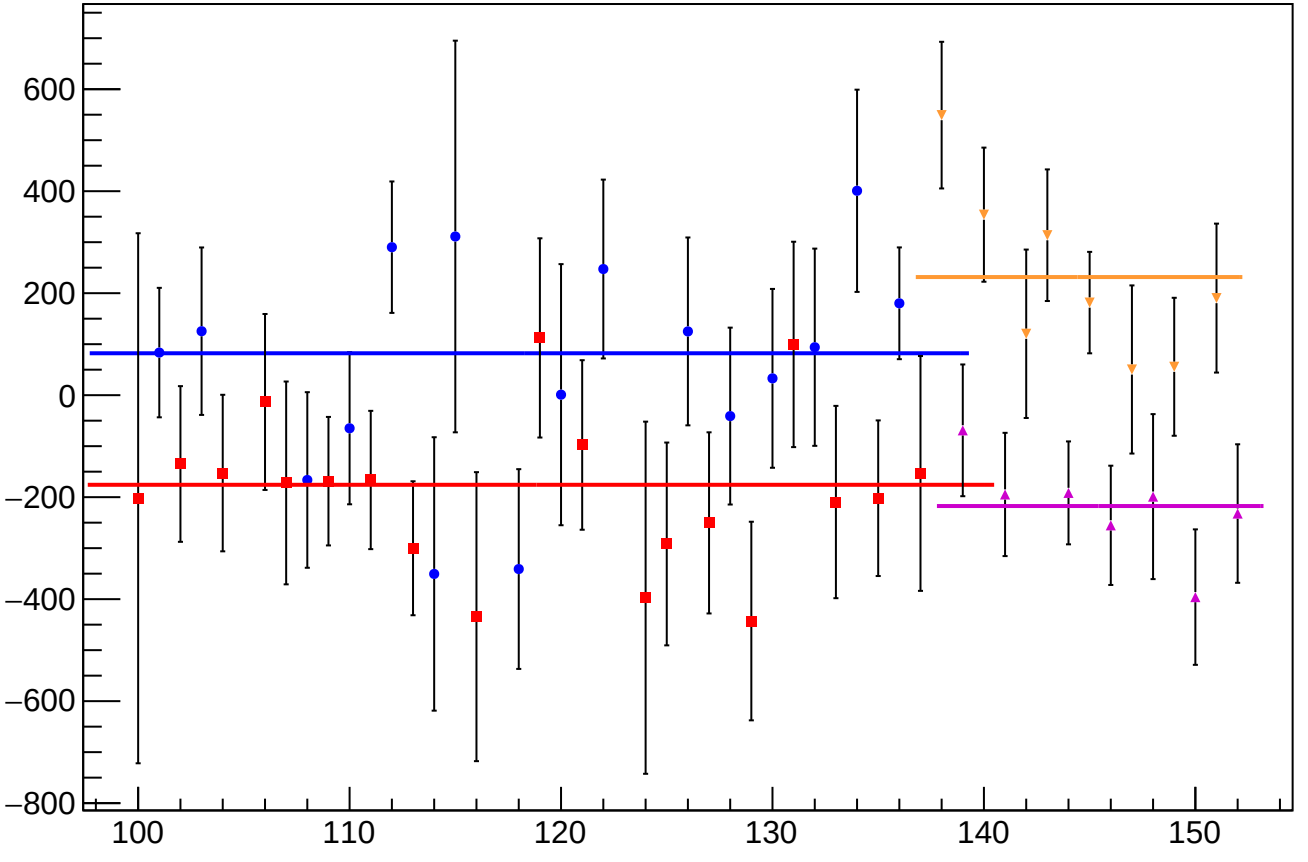
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1286766.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:329799.5/6
+ sign 0.000+/-0.000 χ²/NDF: 5742292.8/23
All: 0.000+/-0.000 χ²/NDF: 10836626.6/49
- sign 0.000+/-0.000 χ²/NDF: 4734339.4/25

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.632+/-47.547 χ^2/NDF:9.8/7

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

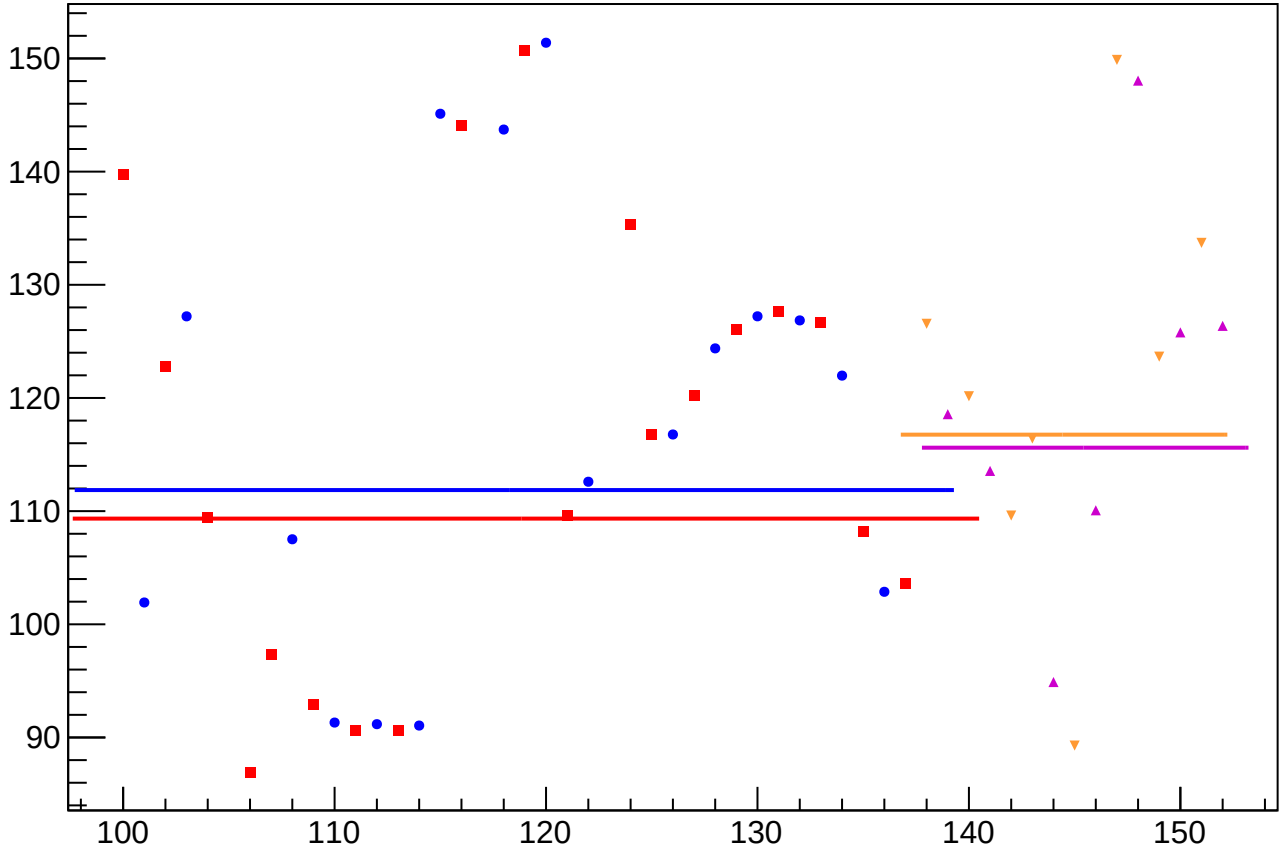
Left In: -217.381+/-47.203 χ^2/NDF:3.4/6

+ sign 147.925+/-31.534 χ^2/NDF: 33.7/23

All: -26.728+/-22.038 χ^2/NDF: 107.4/49

- sign -193.478+/-30.812 χ^2/NDF: 13.7/25

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 116.759+/-0.034 χ^2/NDF:279767.7/7

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

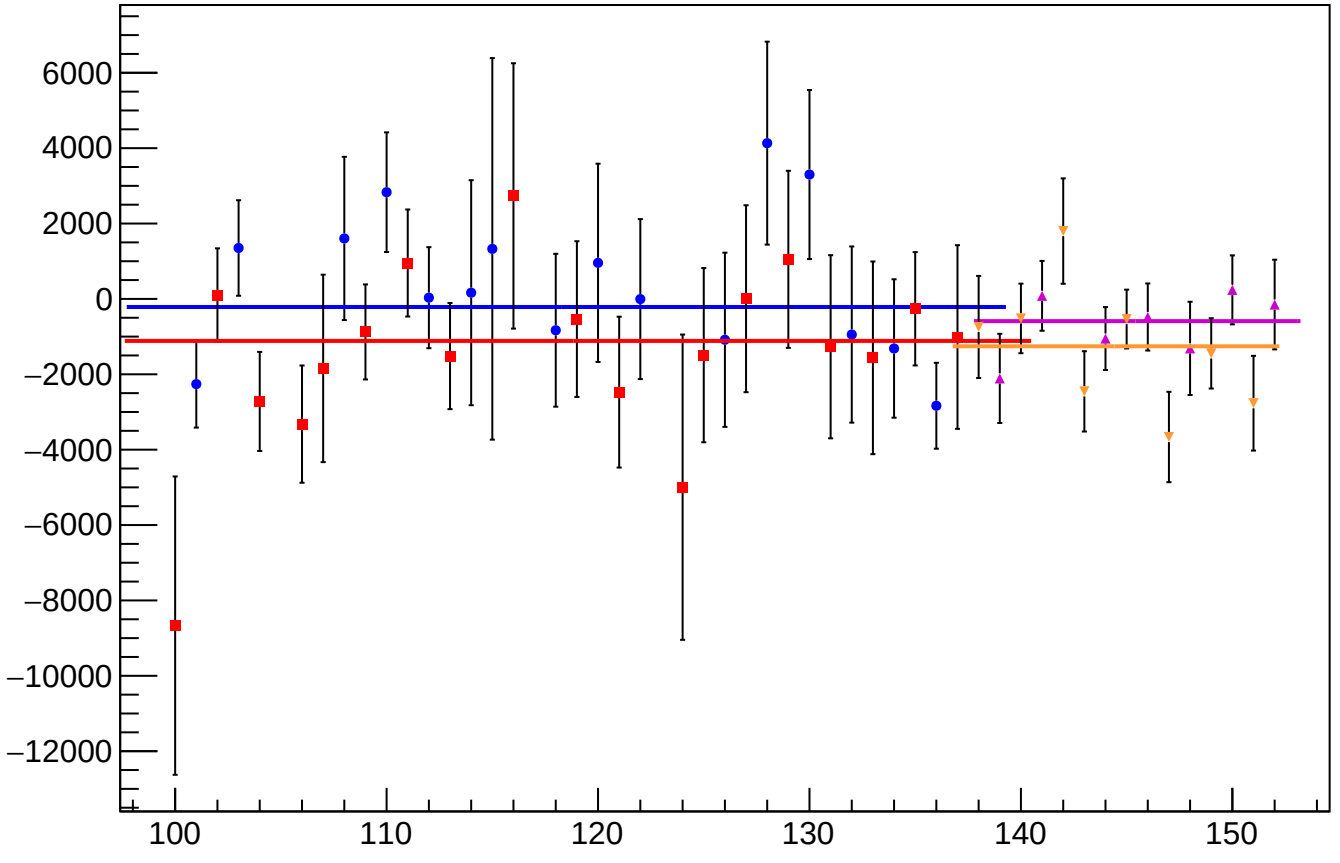
Left In: 115.607+/-0.033 χ^2/NDF:195033.5/6

+ sign 114.016+/-0.022 χ^2/NDF: 597672.5/23

All: 112.990+/-0.016 χ^2/NDF: 1184292.4/49

- sign 112.010+/-0.022 χ^2/NDF: 582482.1/25

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1257.227+/-371.885 χ^2/NDF:13.2/7

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

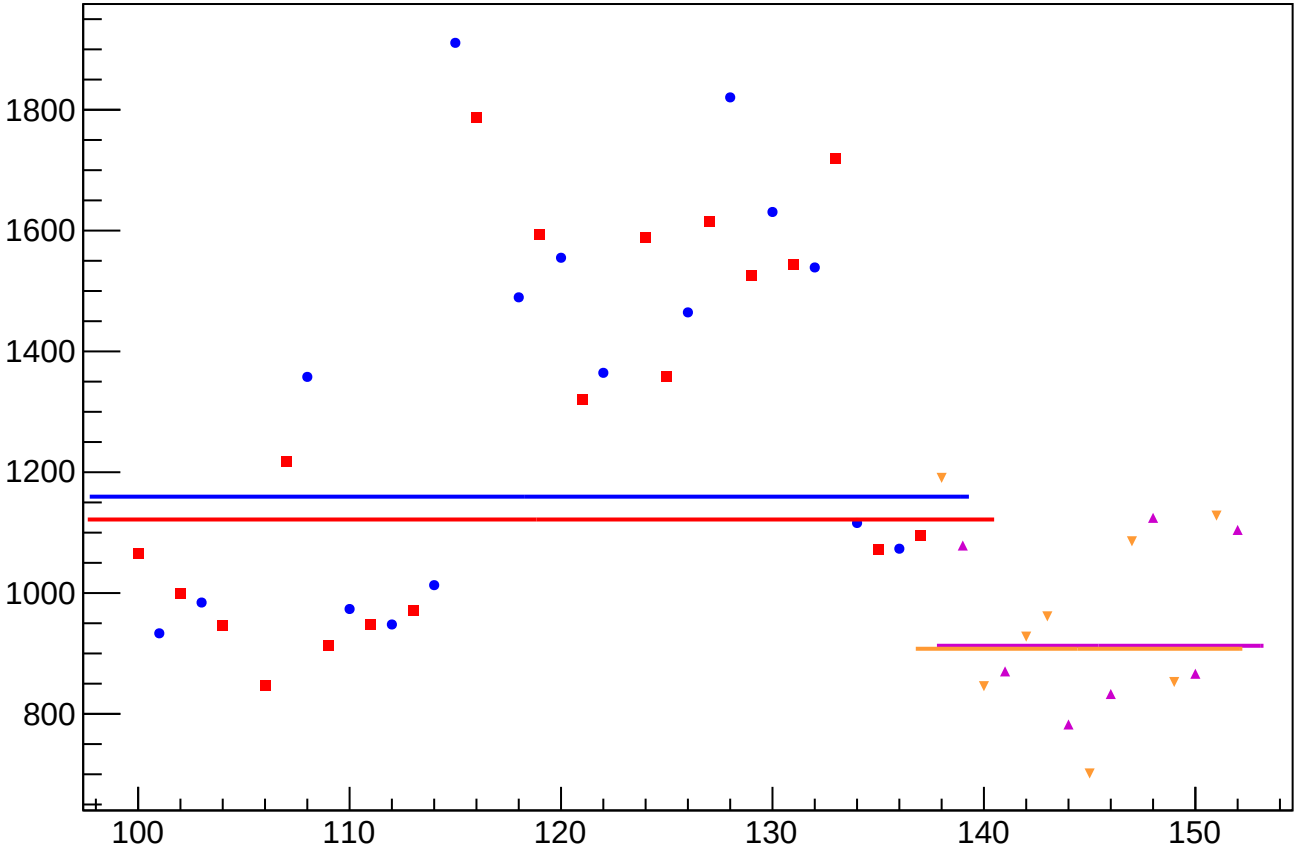
Left In: -589.426+/-374.468 χ^2/NDF:3.8/6

+ sign -827.143+/-285.084 χ^2/NDF: 36.9/23

All: -823.609+/-199.907 χ^2/NDF: 56.1/49

- sign -820.190+/-280.396 χ^2/NDF: 19.2/25

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 907.789+/-0.263 χ^2/NDF:354170.2/7

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

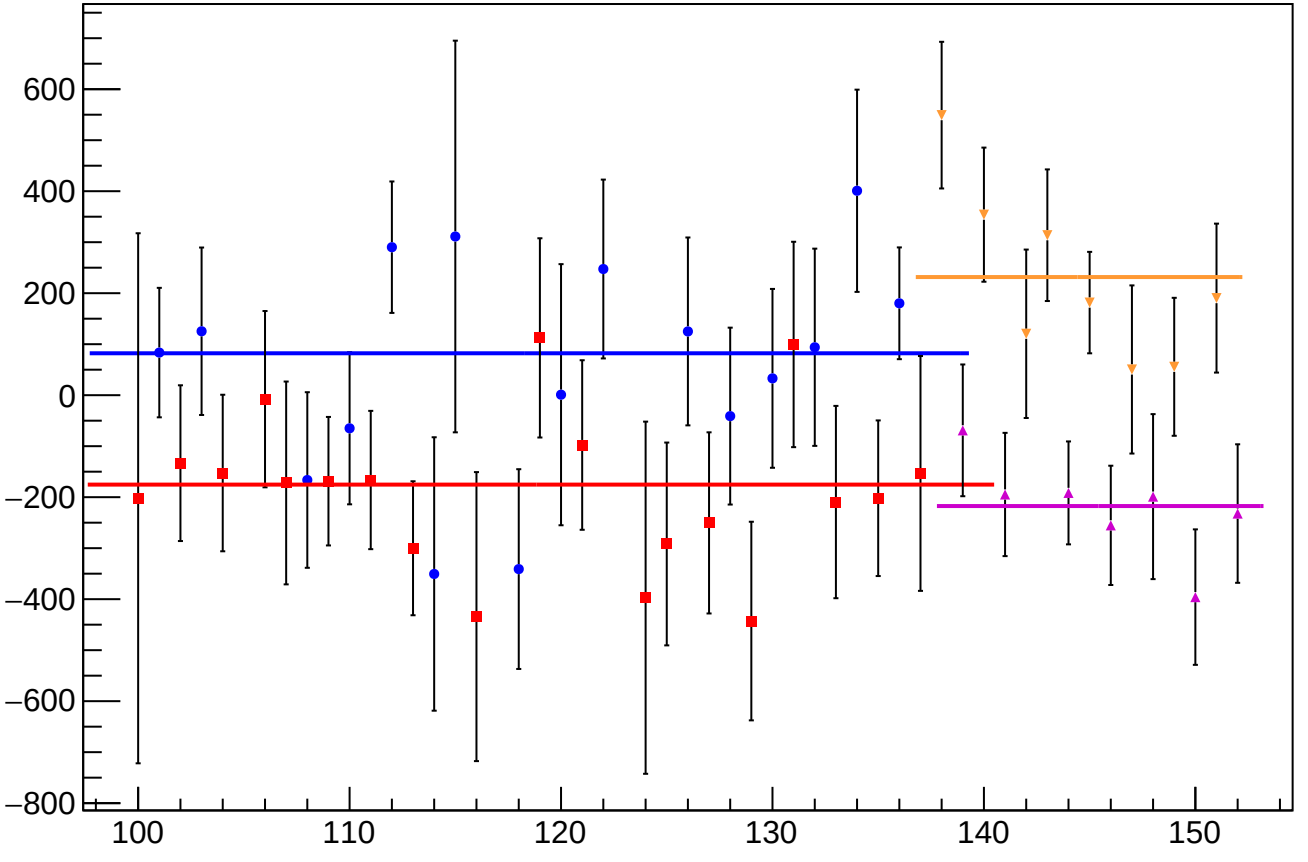
Left In: 912.739+/-0.265 χ^2/NDF:224070.4/6

+ sign 1011.606+/-0.202 χ^2/NDF: 1415872.1/23

All: 1008.026+/-0.141 χ^2/NDF: 2696570.0/49

- sign 1004.563+/-0.198 χ^2/NDF: 1280077.3/25

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.642+/-47.547 χ^2/NDF:9.8/7

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

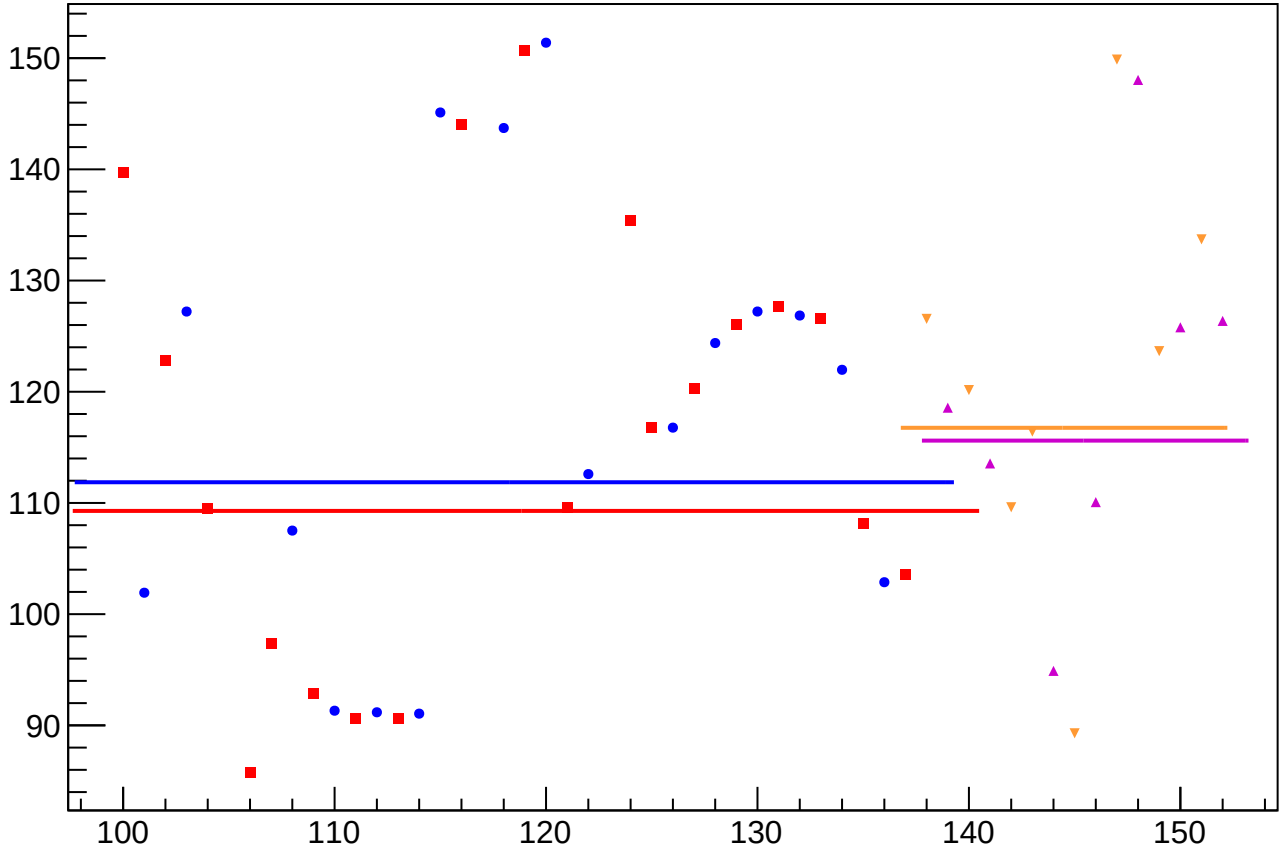
Left In: -217.385+/-47.203 χ^2/NDF:3.4/6

+ sign 147.923+/-31.534 χ^2/NDF: 33.7/23

All: -26.602+/-22.039 χ^2/NDF: 107.4/49

- sign -193.257+/-30.815 χ^2/NDF: 13.7/25

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 116.759+/-0.034 χ^2/NDF:279767.7/7

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

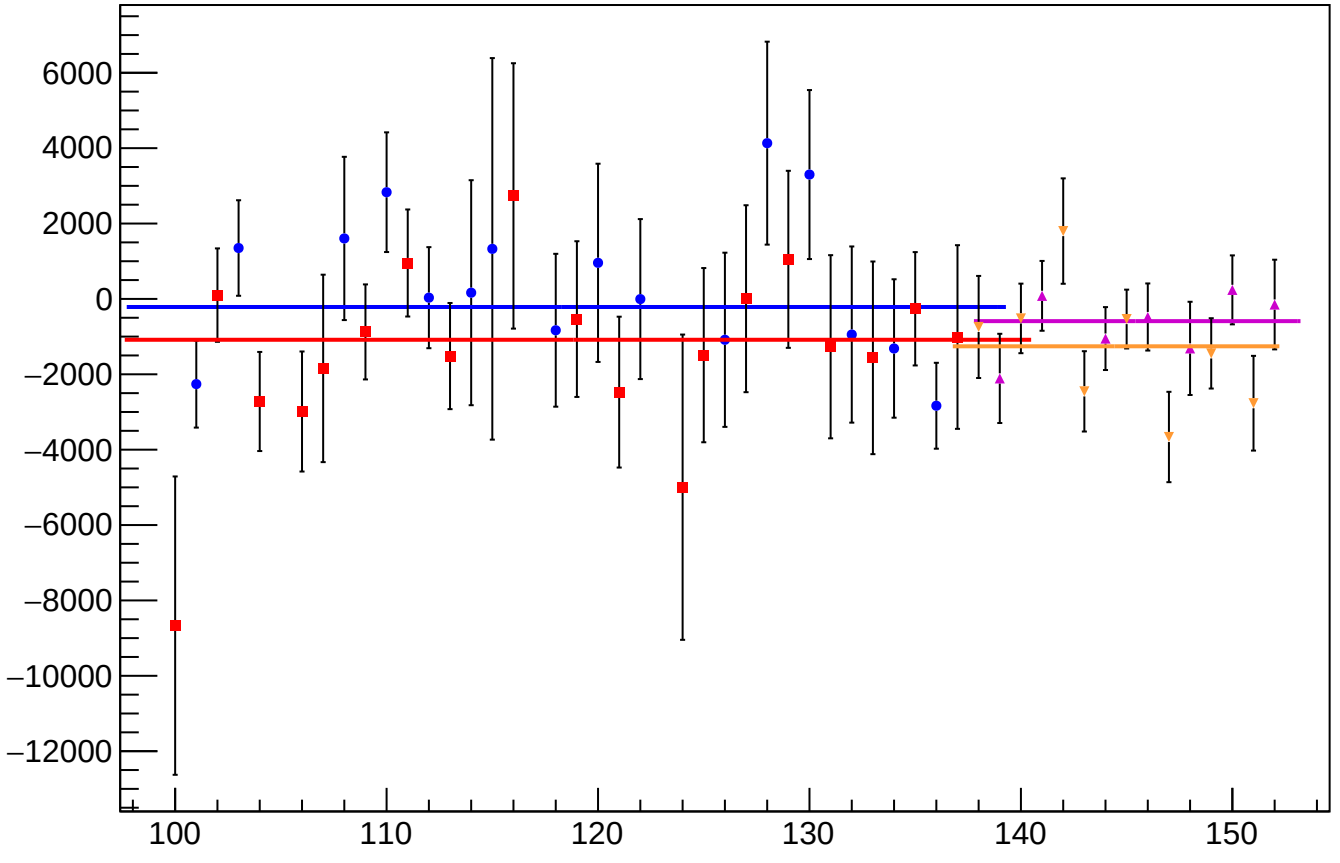
Left In: 115.607+/-0.033 χ^2/NDF:195033.5/6

+ sign 114.016+/-0.022 χ^2/NDF: 597673.5/23

All: 112.974+/-0.016 χ^2/NDF: 1188278.7/49

- sign 111.979+/-0.022 χ^2/NDF: 586335.4/25

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1257.219+/-371.885 χ^2/NDF:13.2/7

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

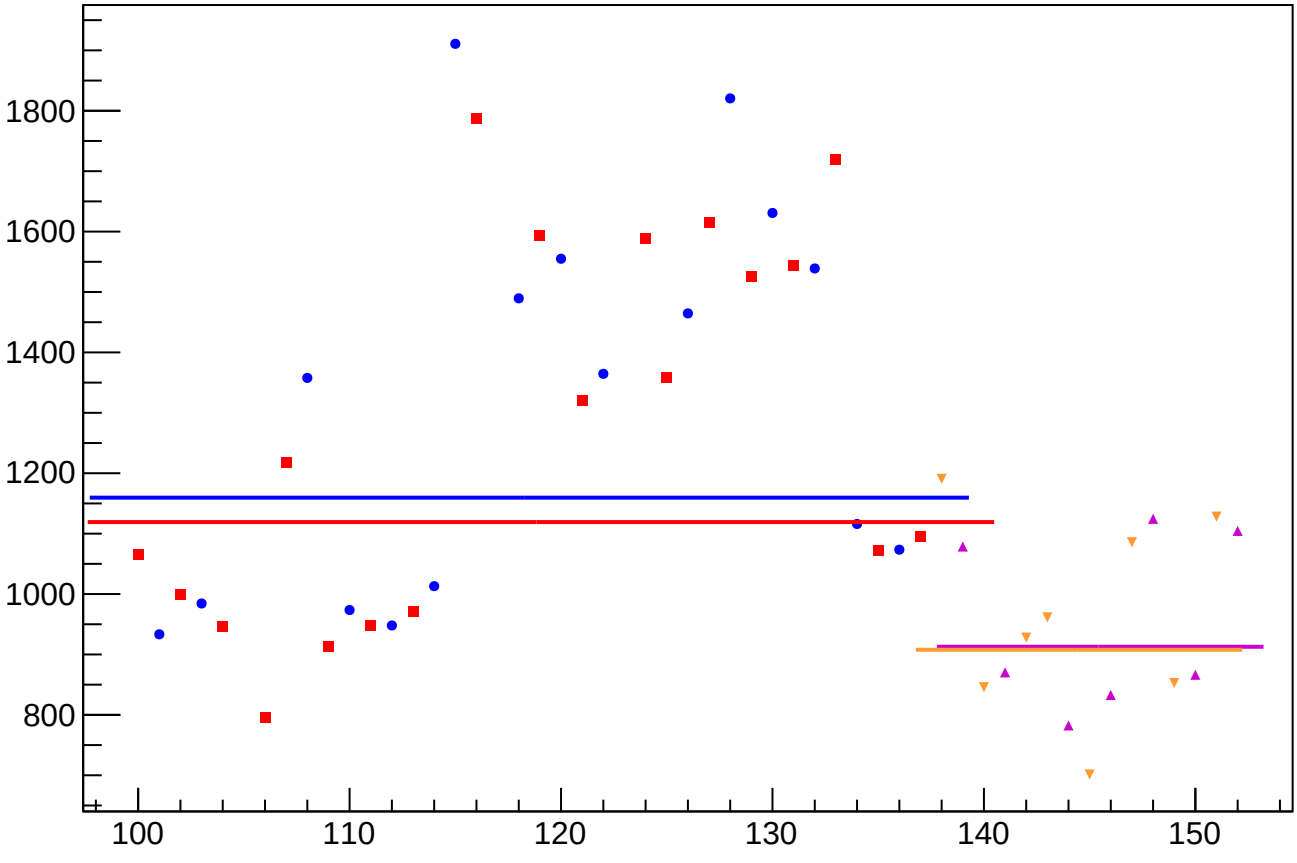
Left In: -589.434+/-374.468 χ^2/NDF:3.8/6

+ sign -827.179+/-285.084 χ^2/NDF: 36.9/23

All: -816.554+/-199.984 χ^2/NDF: 55.3/49

- sign -806.259+/-280.610 χ^2/NDF: 18.5/25

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 907.789+/-0.263 χ^2/NDF:354172.5/7

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

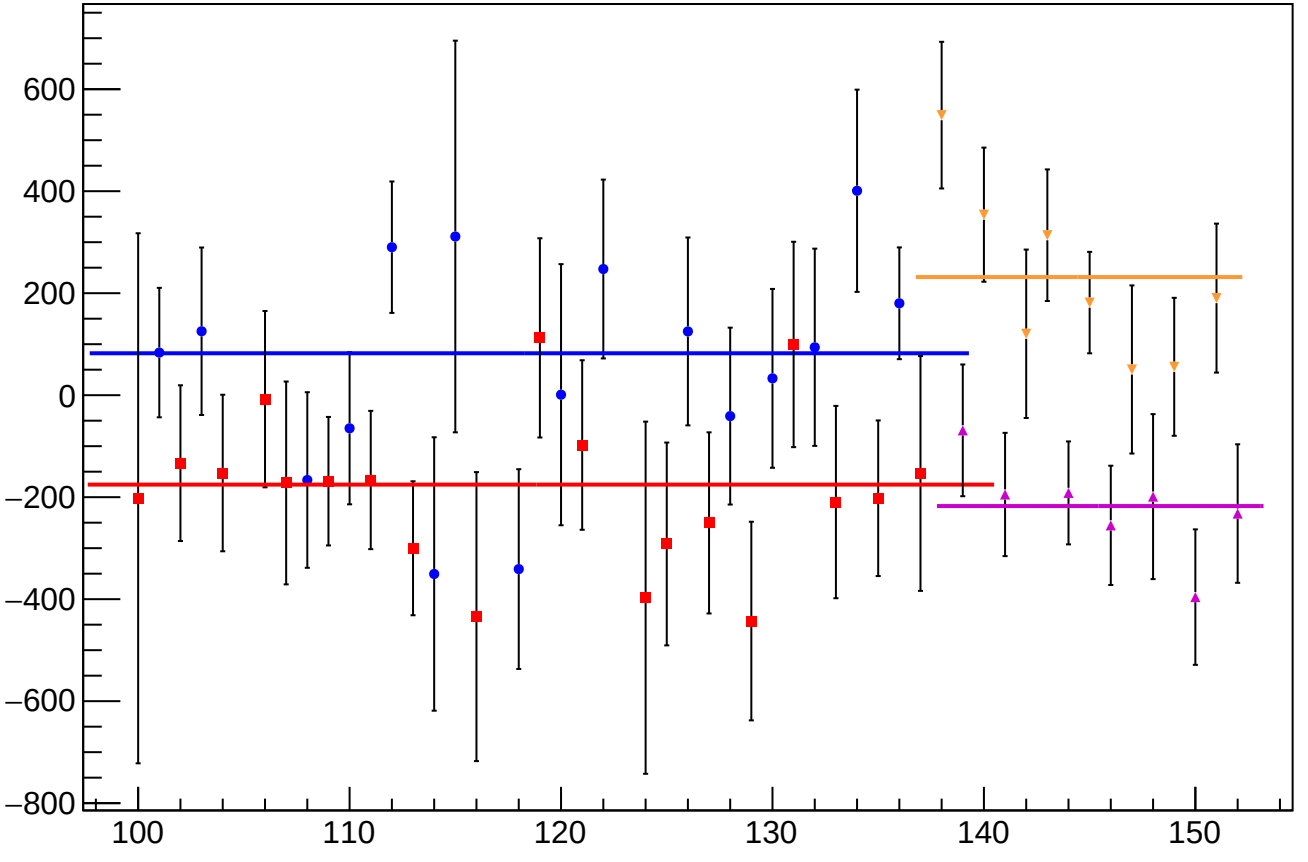
Left In: 912.740+/-0.265 χ^2/NDF:224068.6/6

+ sign 1011.609+/-0.202 χ^2/NDF: 1415869.9/23

All: 1007.362+/-0.141 χ^2/NDF: 2710421.8/49

- sign 1003.246+/-0.198 χ^2/NDF: 1293677.8/25

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.642+/-47.547 χ^2/NDF:9.8/7

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

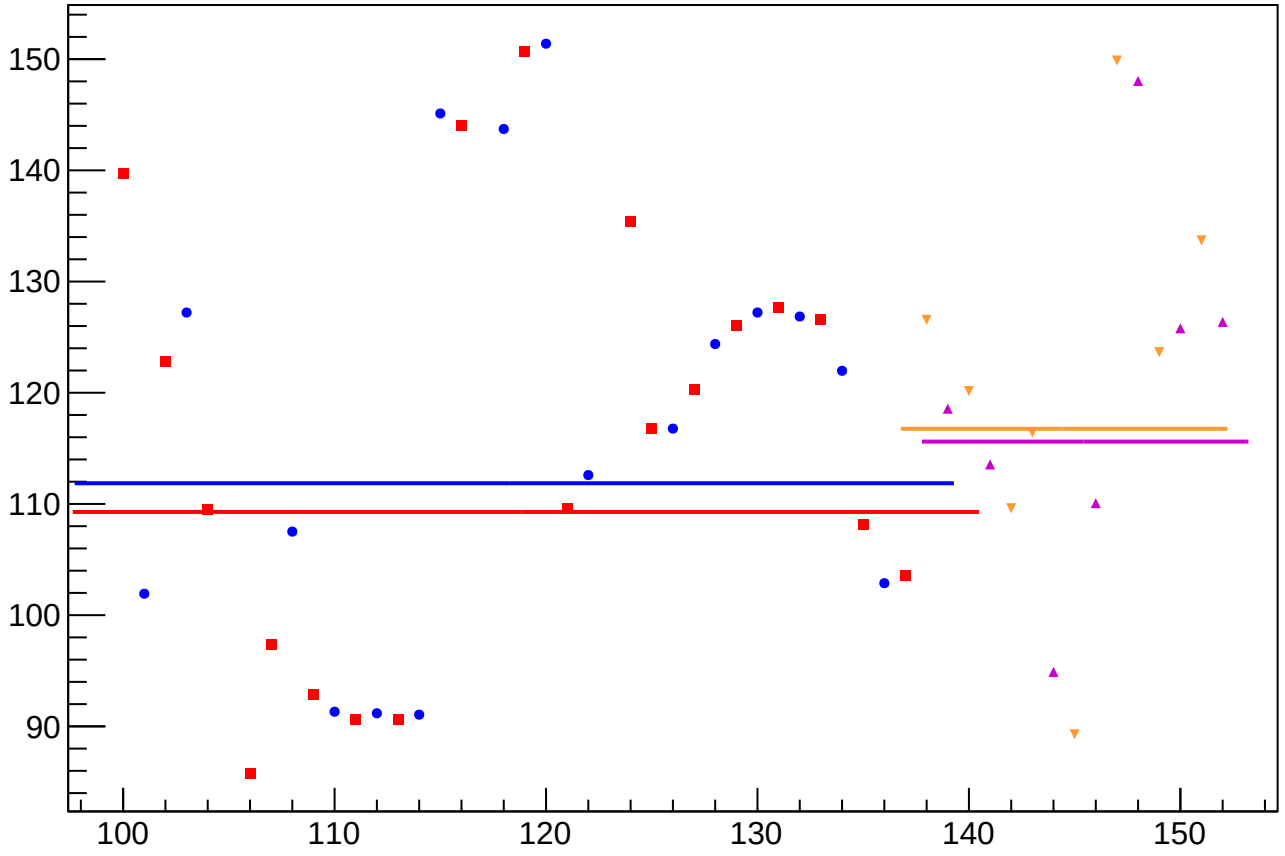
Left In: -217.385+/-47.203 χ^2/NDF:3.4/6

+ sign 147.923+/-31.534 χ^2/NDF: 33.7/23

All: -26.602+/-22.039 χ^2/NDF: 107.4/49

- sign -193.257+/-30.815 χ^2/NDF: 13.7/25

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 116.759+/-0.034 χ^2/NDF:279767.7/7

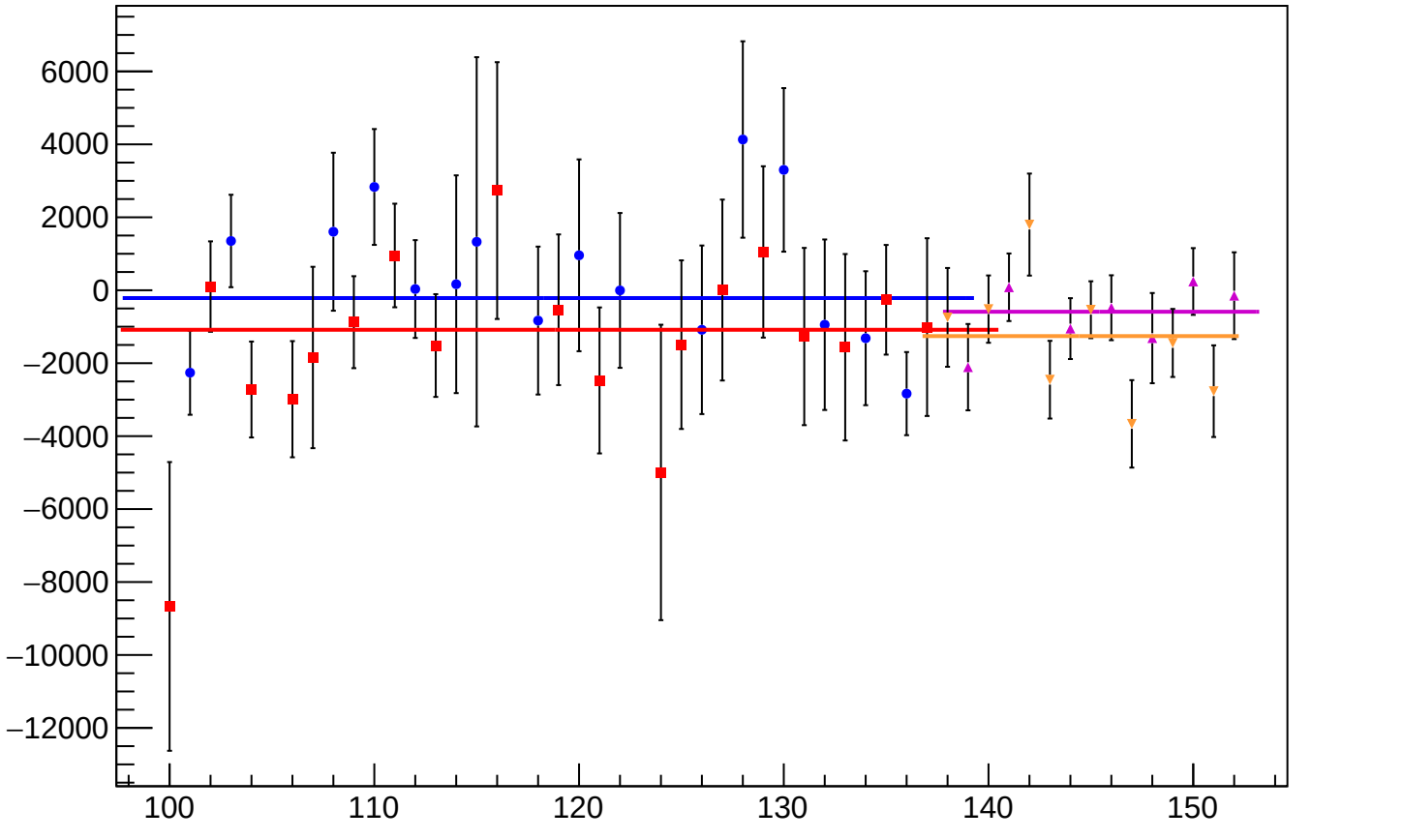
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 115.607+/-0.033 χ^2/NDF:195033.5/6

+ sign 114.016+/-0.022 χ^2/NDF: 597673.5/23

All: 112.974+/-0.016 χ^2/NDF: 1188278.7/49

- sign 111.979+/-0.022 χ^2/NDF: 586335.4/25



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1257.219+/-371.885 χ^2/NDF:13.2/7

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

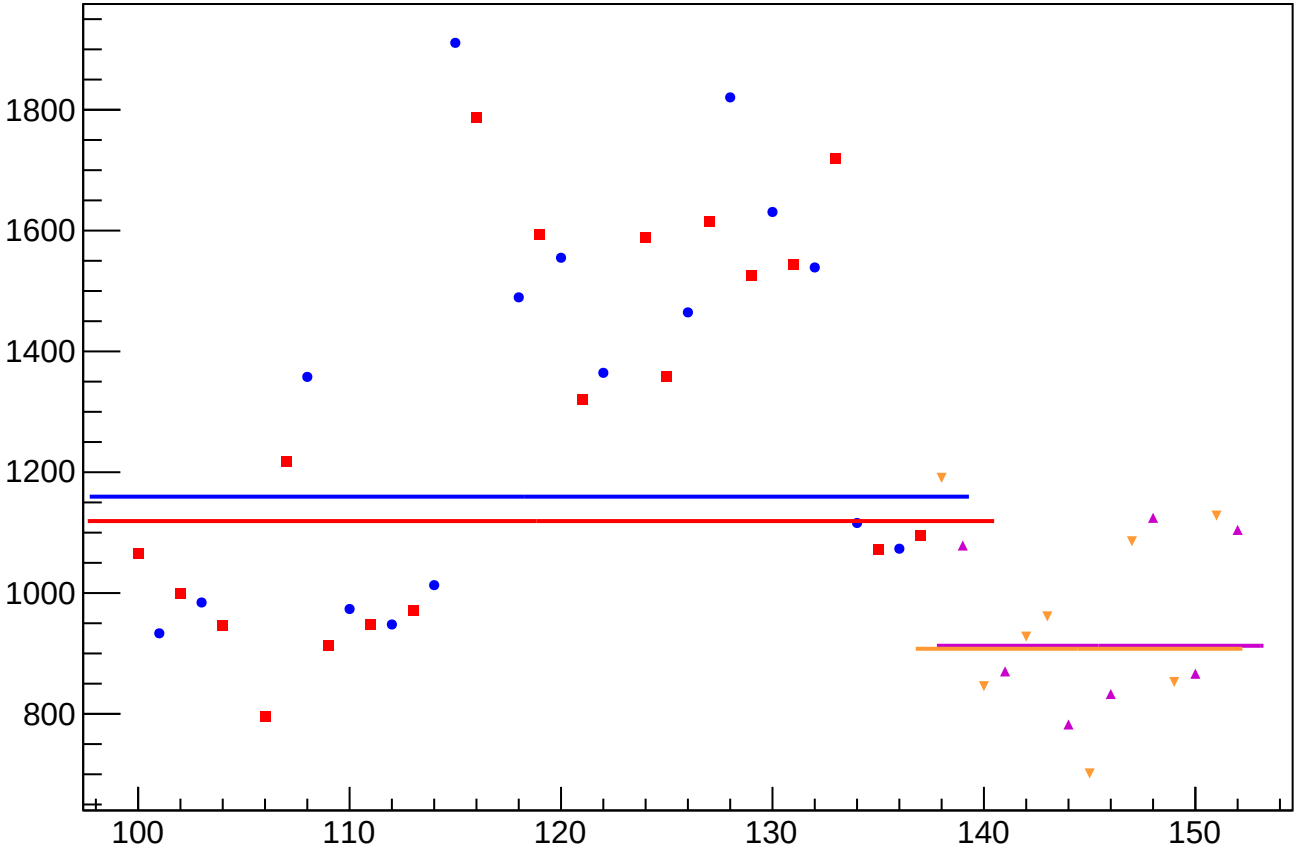
Left In: -589.434+/-374.468 χ^2/NDF:3.8/6

+ sign -827.179+/-285.084 χ^2/NDF: 36.9/23

All: -816.554+/-199.984 χ^2/NDF: 55.3/49

- sign -806.259+/-280.610 χ^2/NDF: 18.5/25

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 907.789+/-0.263 χ^2/NDF:354172.5/7

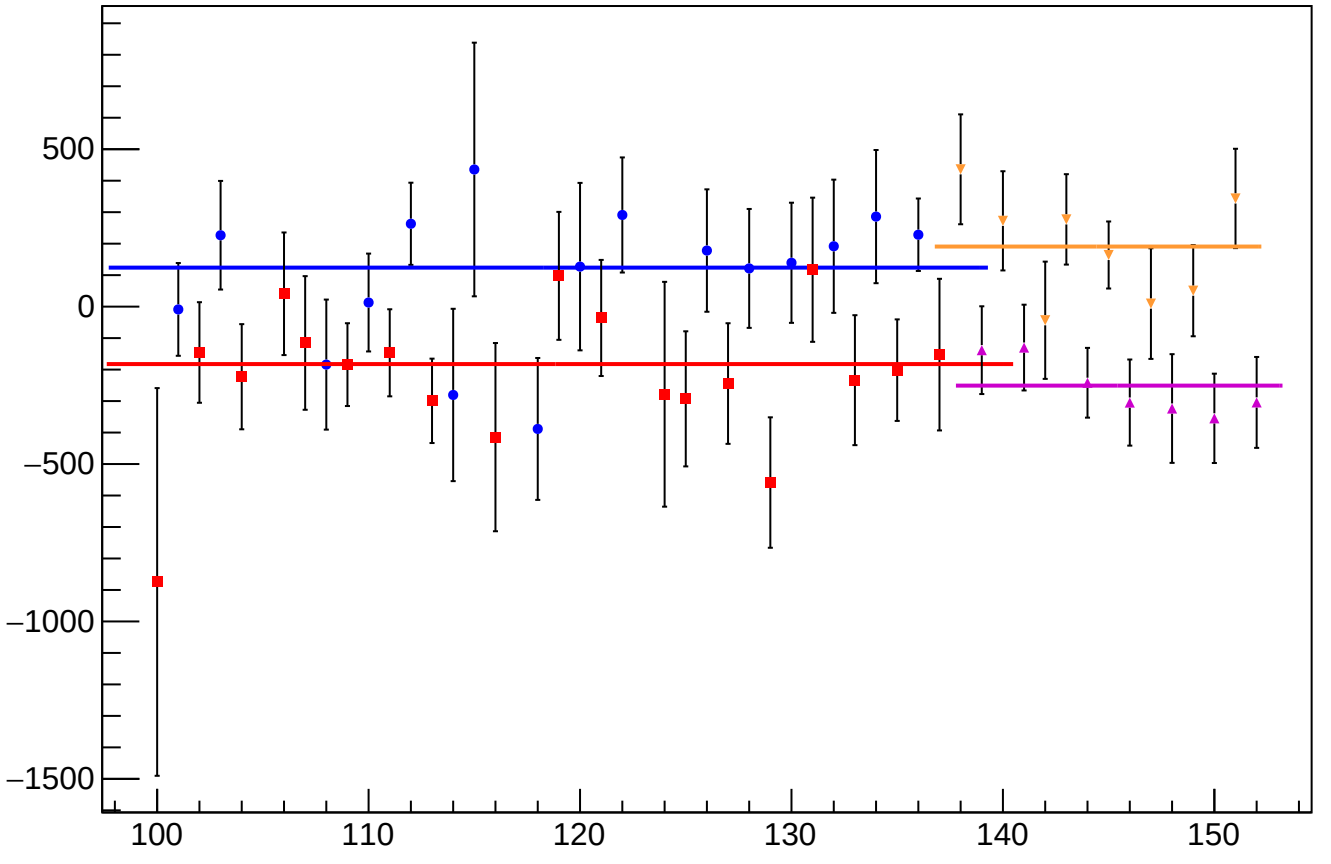
Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 912.740+/-0.265 χ^2/NDF:224068.6/6

+ sign 1011.609+/-0.202 χ^2/NDF: 1415869.9/23

All: 1007.362+/-0.141 χ^2/NDF: 2710421.8/49

- sign 1003.246+/-0.198 χ^2/NDF: 1293677.8/25



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 190.827+/-52.785 χ^2/NDF:7.2/7

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

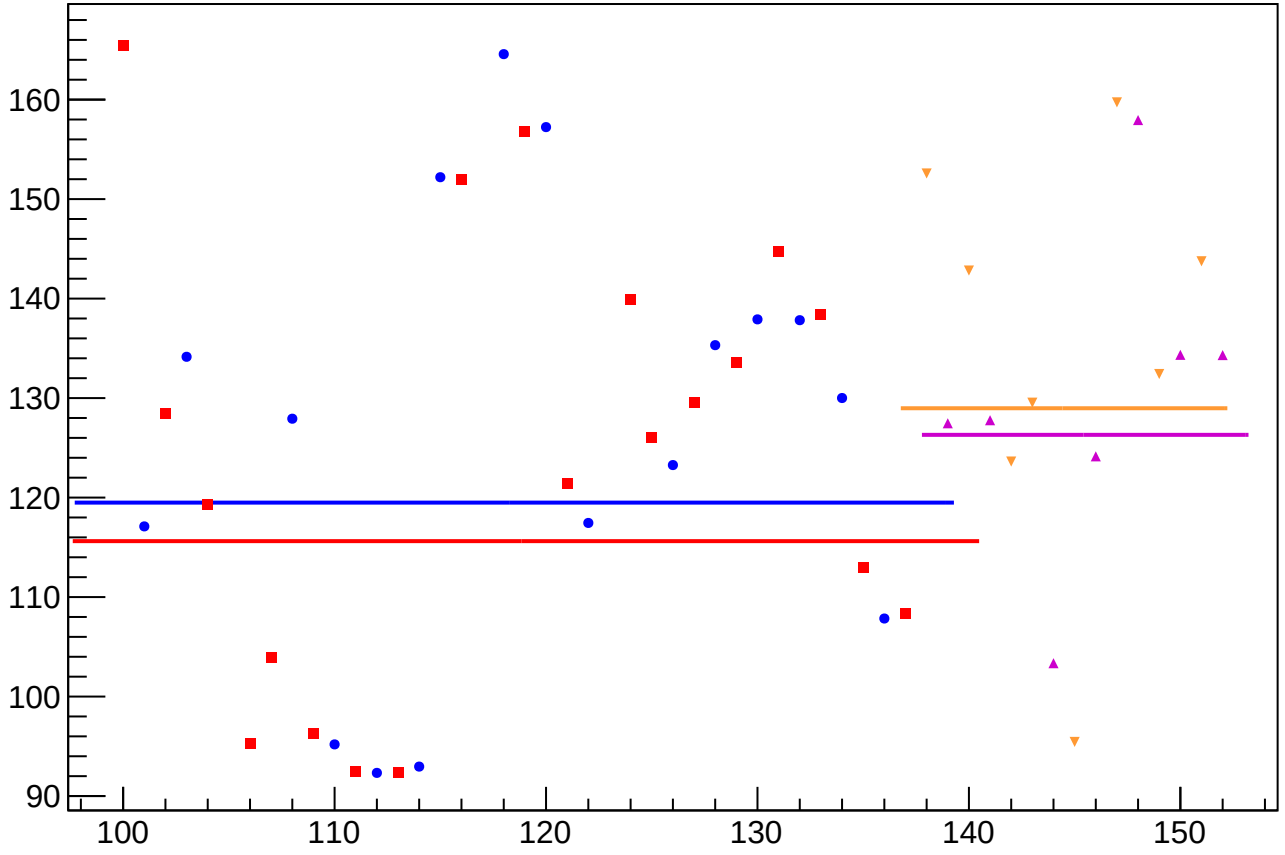
Left In: -250.898+/-51.886 χ^2/NDF:2.5/6

+ sign 152.237+/-34.349 χ^2/NDF: 23.5/23

All: -35.247+/-23.876 χ^2/NDF: 97.0/49

- sign -210.502+/-33.210 χ^2/NDF: 15.8/25

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 128.979+/-0.037 χ^2/NDF:332055.0/7

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

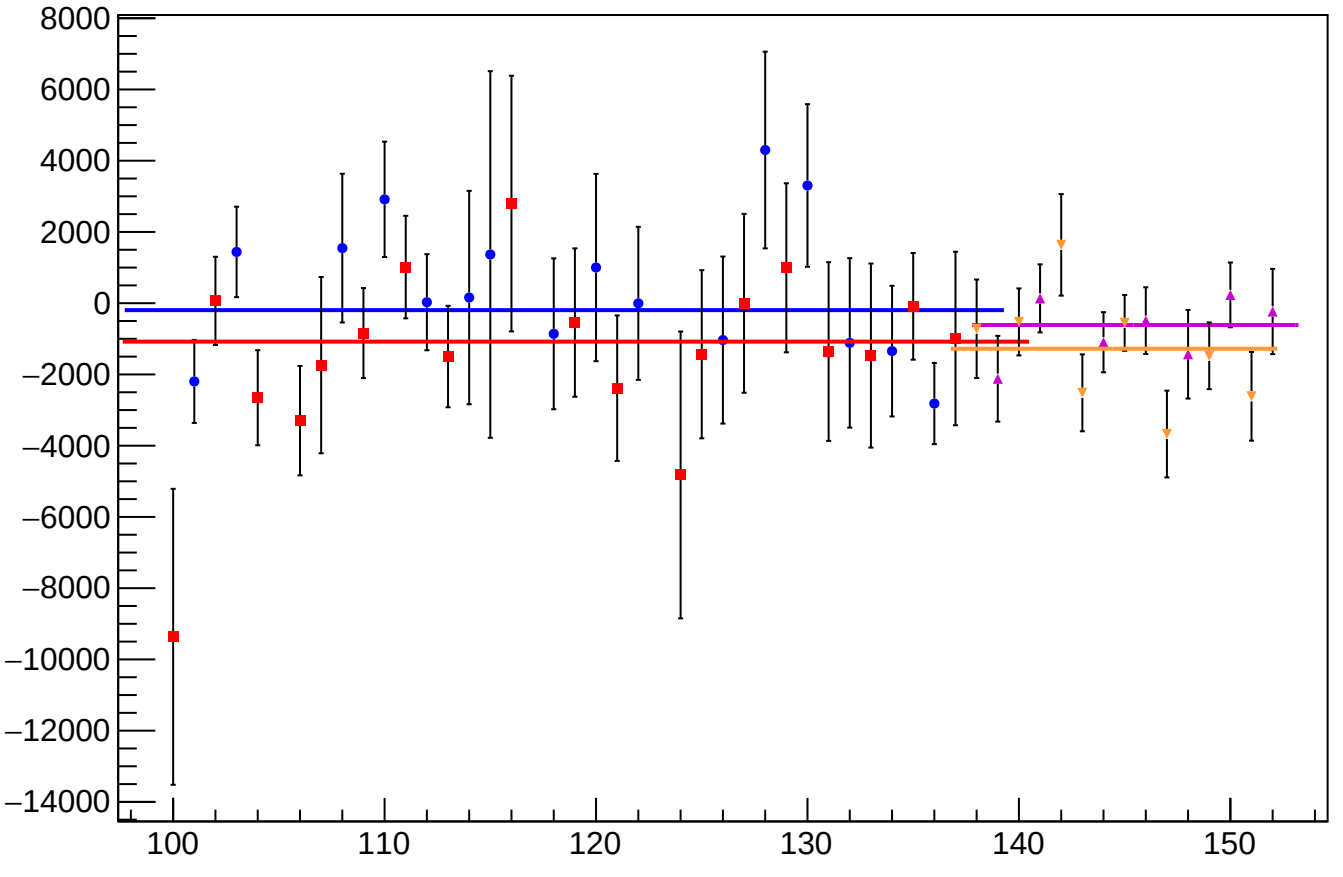
Left In: 126.306+/-0.037 χ^2/NDF:166456.1/6

+ sign 123.511+/-0.024 χ^2/NDF: 749530.8/23

All: 121.696+/-0.017 χ^2/NDF: 1403813.8/49

- sign 119.999+/-0.023 χ^2/NDF: 643476.7/25

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1278.511+/-375.481 χ^2/NDF:12.2/7

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

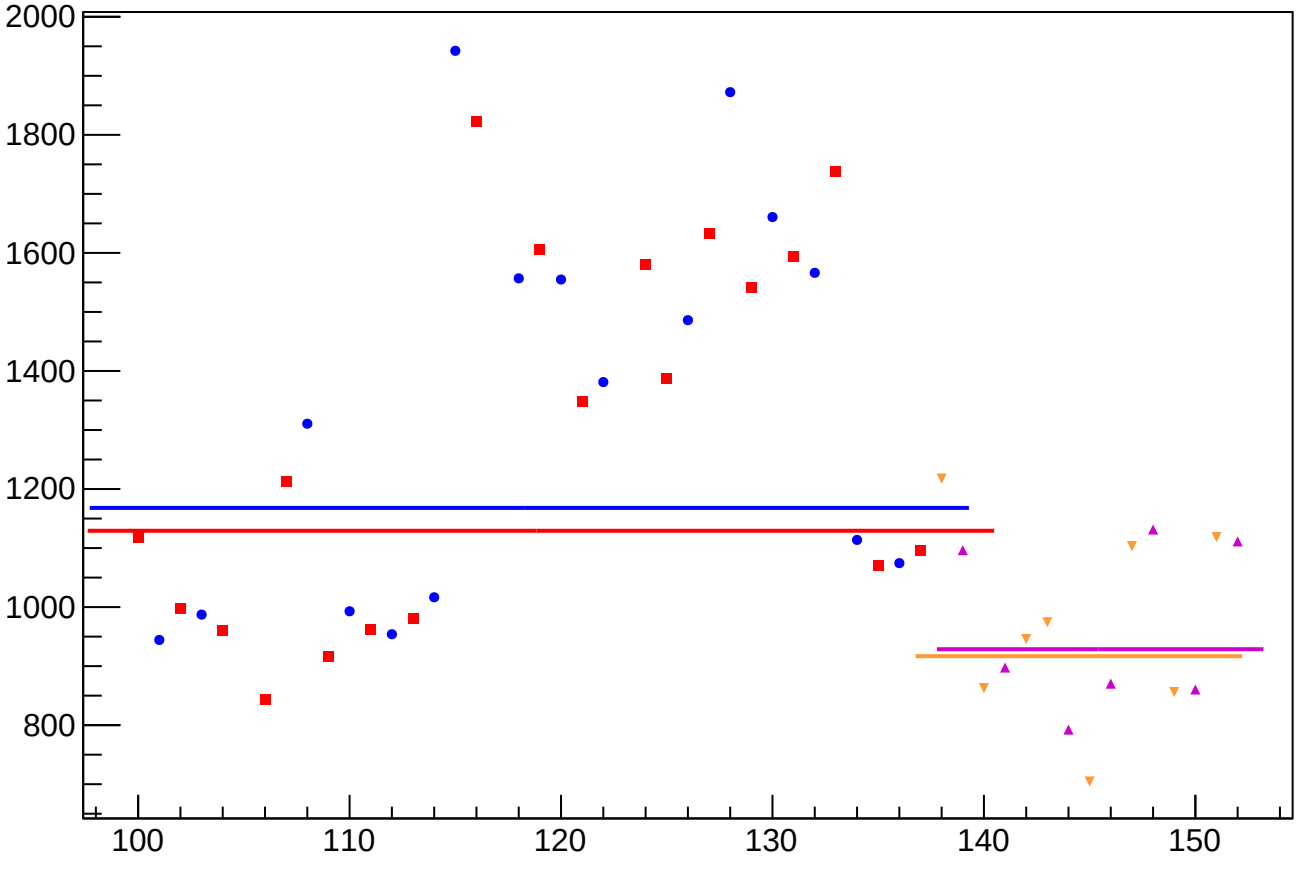
Left In: -612.473+/-381.078 χ^2/NDF:3.9/6

+ sign -830.693+/-287.596 χ^2/NDF: 36.1/23

All: -825.305+/-202.080 χ^2/NDF: 55.2/49

- sign -820.051+/-284.007 χ^2/NDF: 19.2/25

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 916.901+/-0.266 χ^2/NDF:362416.9/7

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

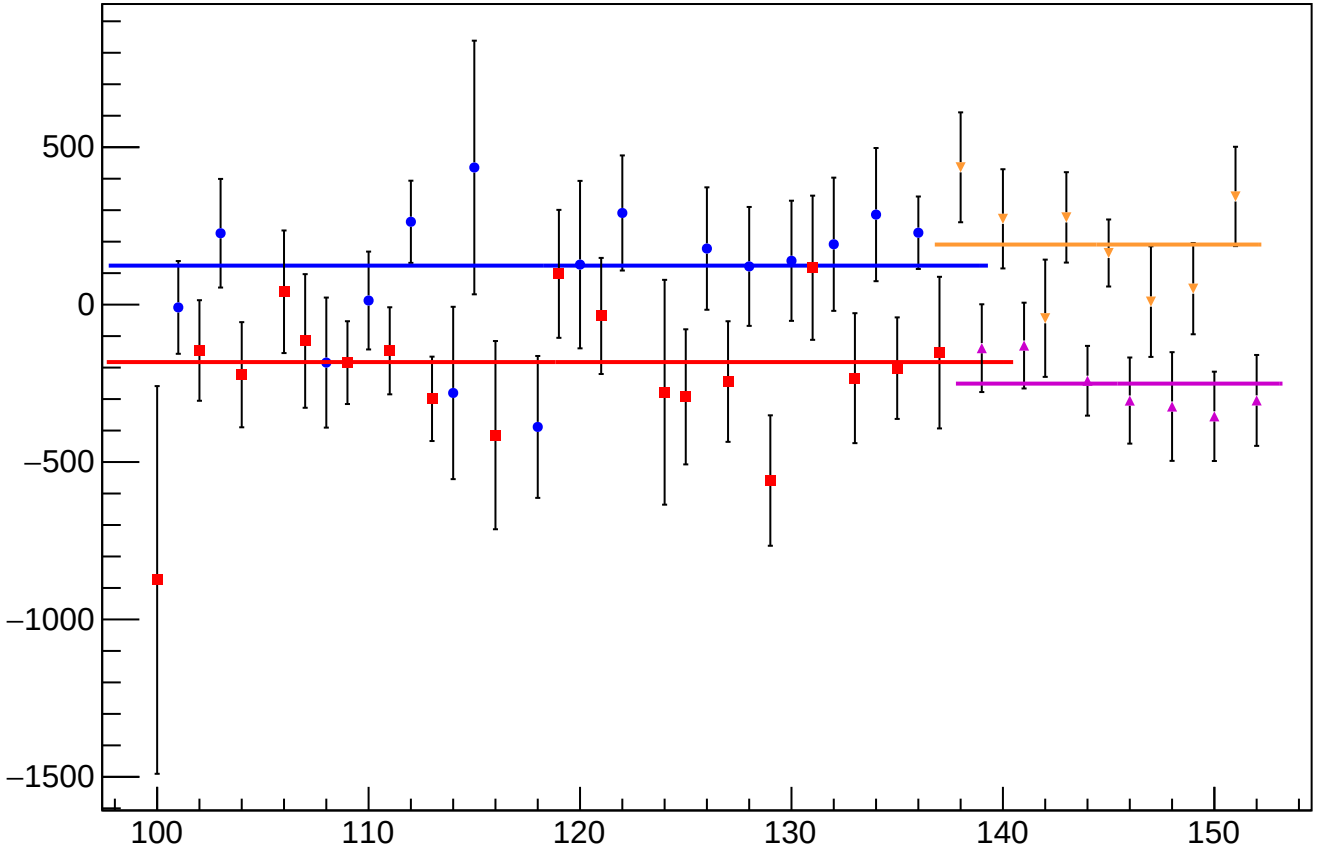
Left In: 928.667+/-0.269 χ^2/NDF:211723.4/6

+ sign 1020.715+/-0.203 χ^2/NDF: 1441661.9/23

All: 1019.275+/-0.143 χ^2/NDF: 2707207.1/49

- sign 1017.870+/-0.201 χ^2/NDF: 1265446.0/25

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 190.828+/-52.785 χ^2/NDF:7.2/7

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

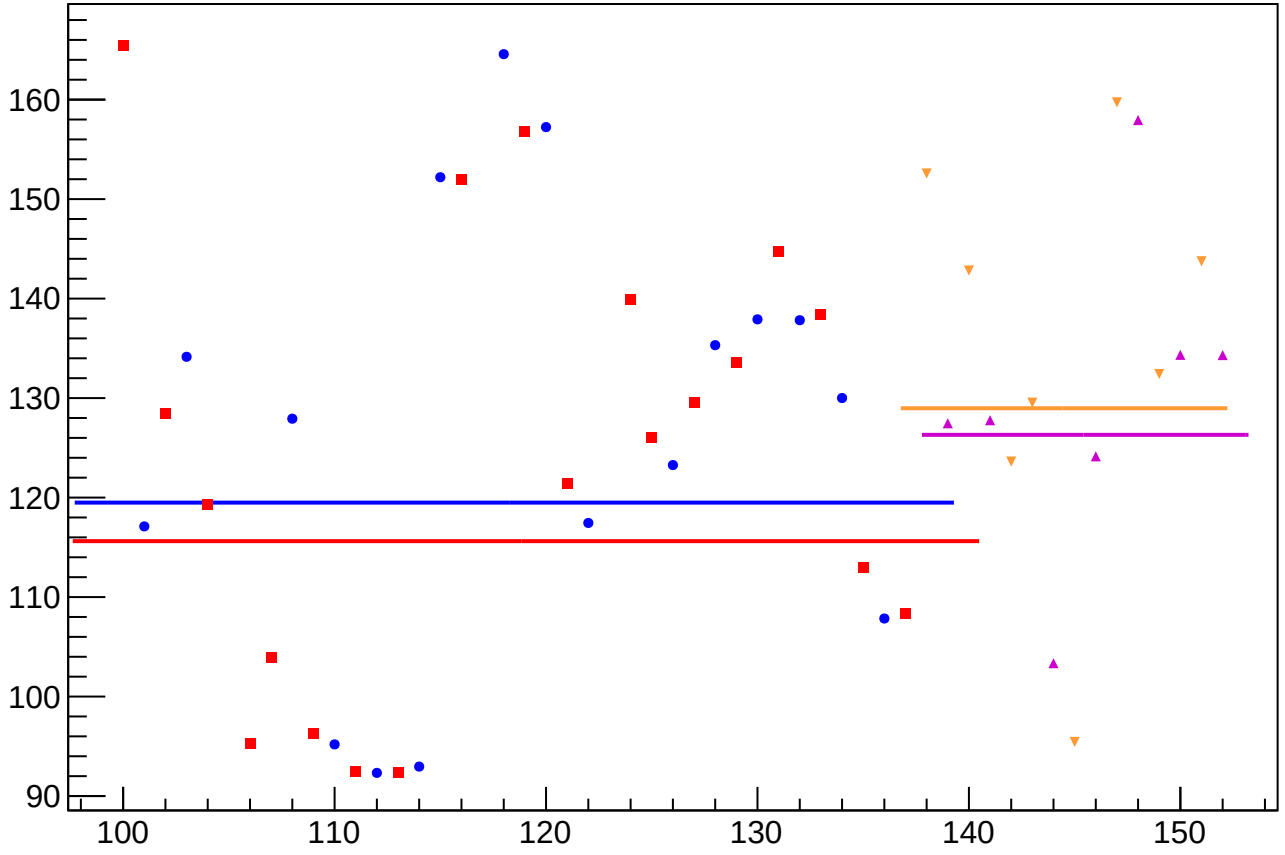
Left In: -250.900+/-51.886 χ^2/NDF:2.5/6

+ sign 152.238+/-34.349 χ^2/NDF: 23.5/23

All: -35.247+/-23.876 χ^2/NDF: 97.0/49

- sign -210.503+/-33.210 χ^2/NDF: 15.8/25

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 128.979+/-0.037 χ^2/NDF:332052.6/7

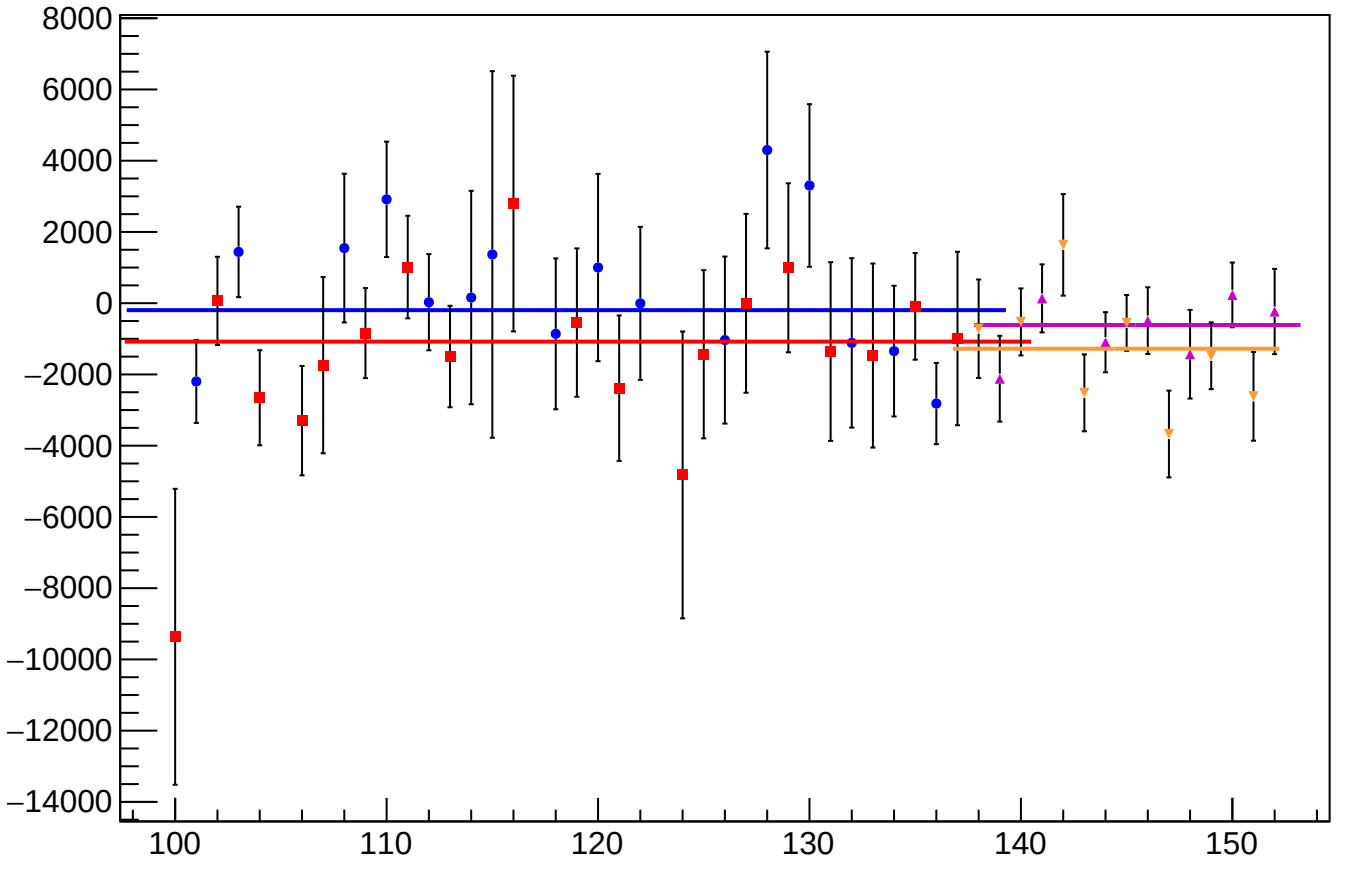
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 126.306+/-0.037 χ^2/NDF:166454.1/6

+ sign 123.511+/-0.024 χ^2/NDF: 749531.7/23

All: 121.696+/-0.017 χ^2/NDF: 1403818.4/49

- sign 119.999+/-0.023 χ^2/NDF: 643480.2/25



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1278.509+/-375.481 χ^2/NDF:12.2/7

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

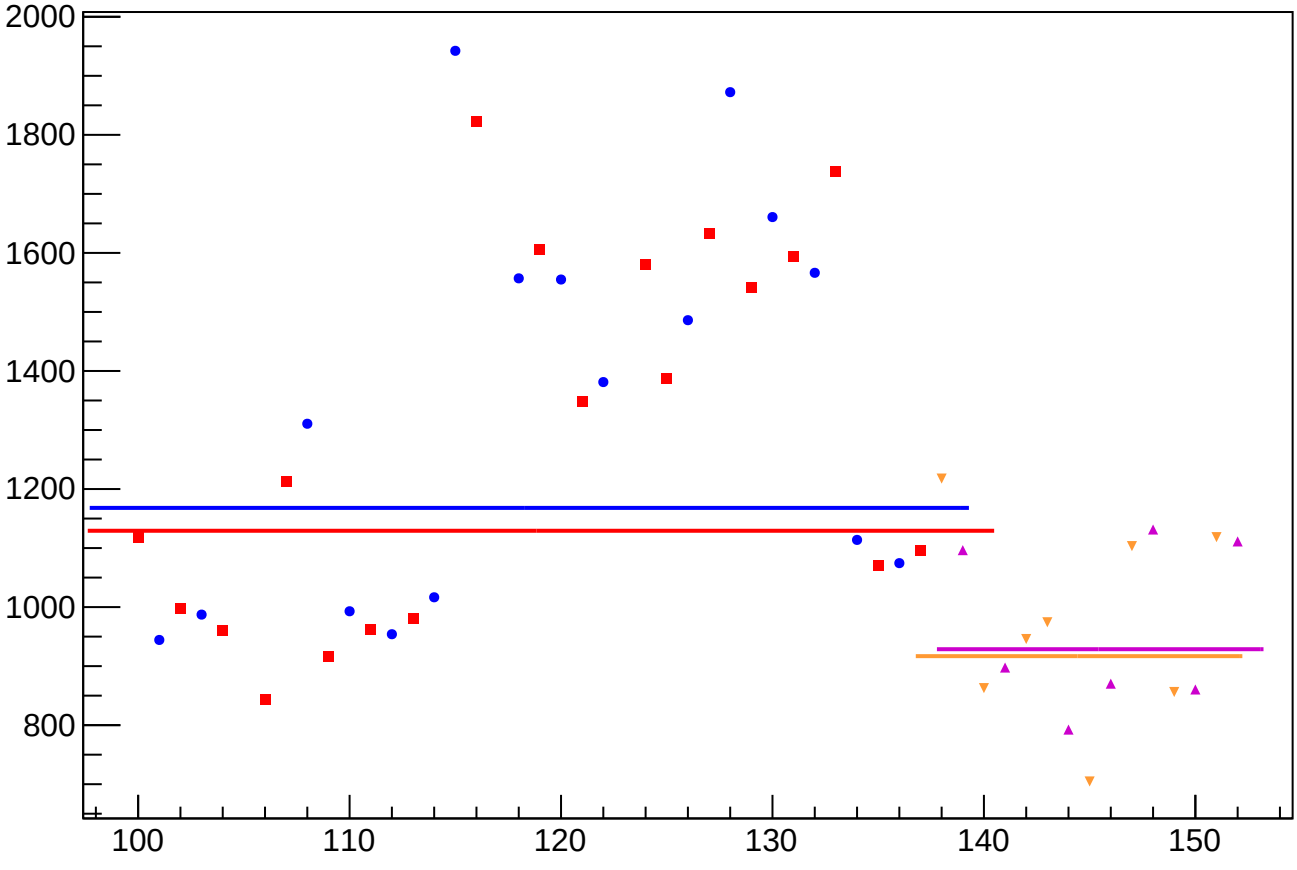
Left In: -612.474+/-381.078 χ^2/NDF:3.9/6

+ sign -830.692+/-287.596 χ^2/NDF: 36.1/23

All: -825.305+/-202.080 χ^2/NDF: 55.2/49

- sign -820.052+/-284.007 χ^2/NDF: 19.2/25

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 916.901+/-0.266 χ^2/NDF:362420.1/7

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

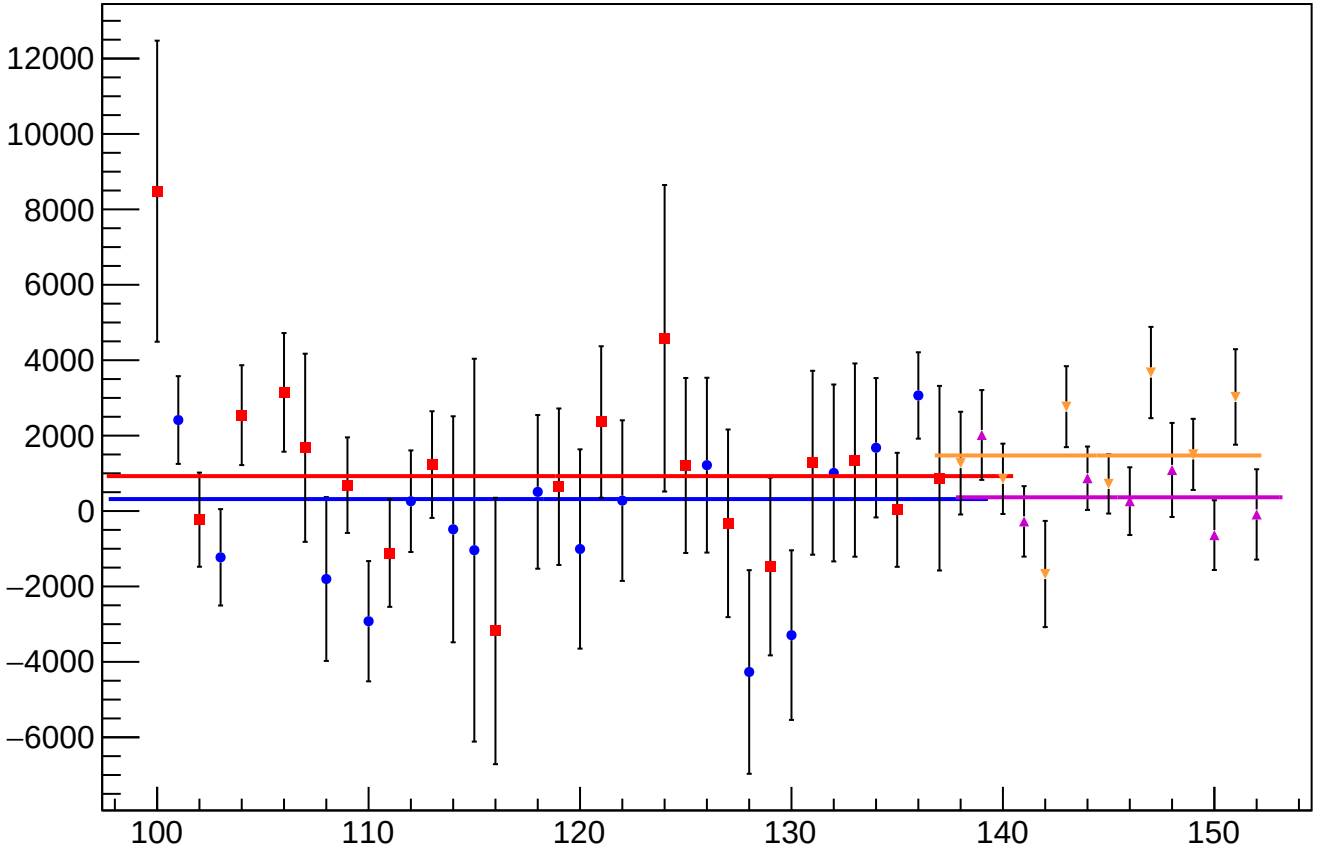
Left In: 928.667+/-0.269 χ^2/NDF:211722.3/6

+ sign 1020.715+/-0.203 χ^2/NDF: 1441669.2/23

All: 1019.274+/-0.143 χ^2/NDF: 2707213.9/49

- sign 1017.870+/-0.201 χ^2/NDF: 1265445.7/25

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1473.843+/-375.086 χ^2/NDF:12.6/7

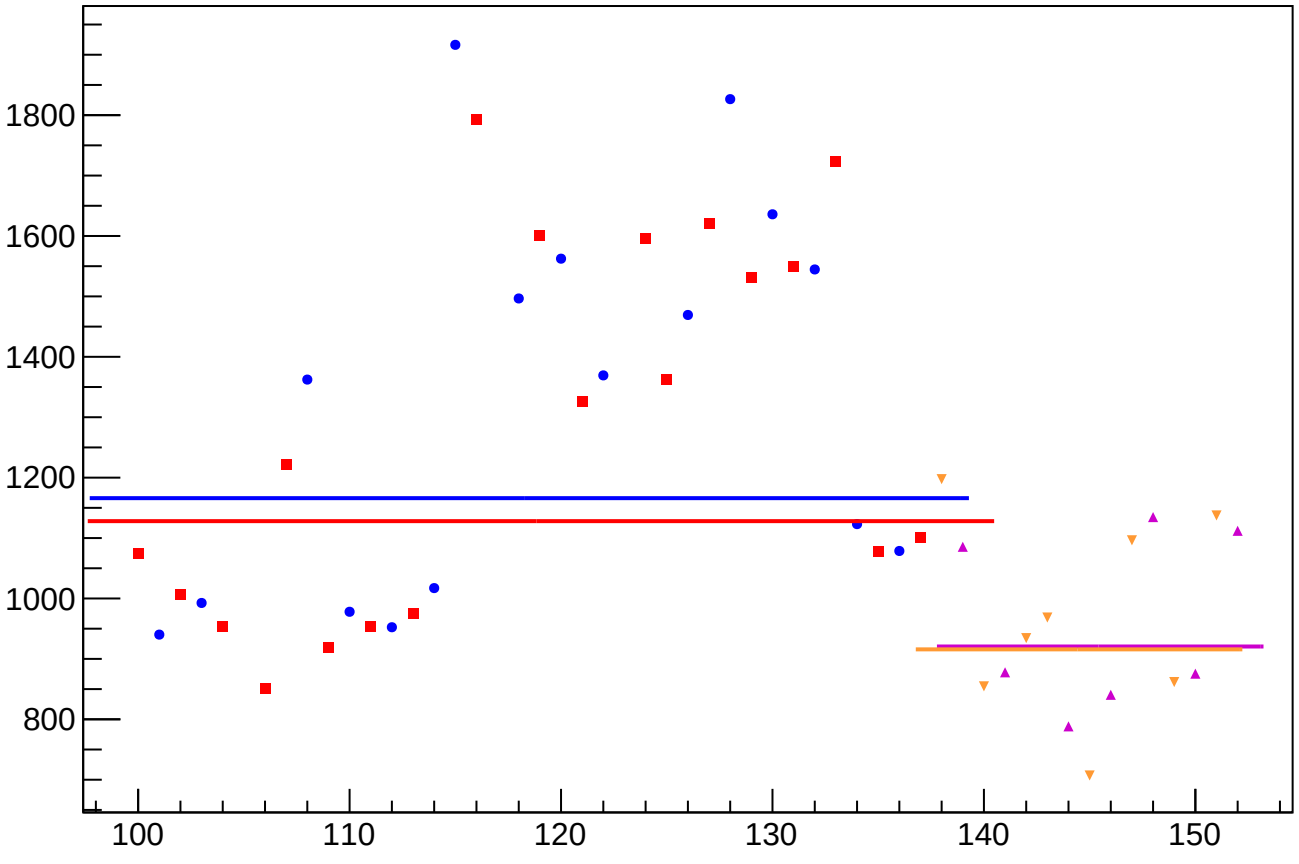
Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: 364.290+/-377.595 χ^2/NDF:4.4/6

+ sign 995.173+/-287.155 χ^2/NDF: 38.7/23

All: 800.302+/-201.346 χ^2/NDF: 59.6/49

- sign 611.836+/-282.397 χ^2/NDF: 19.9/25



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 915.761+/-0.265 χ^2/NDF:352450.9/7

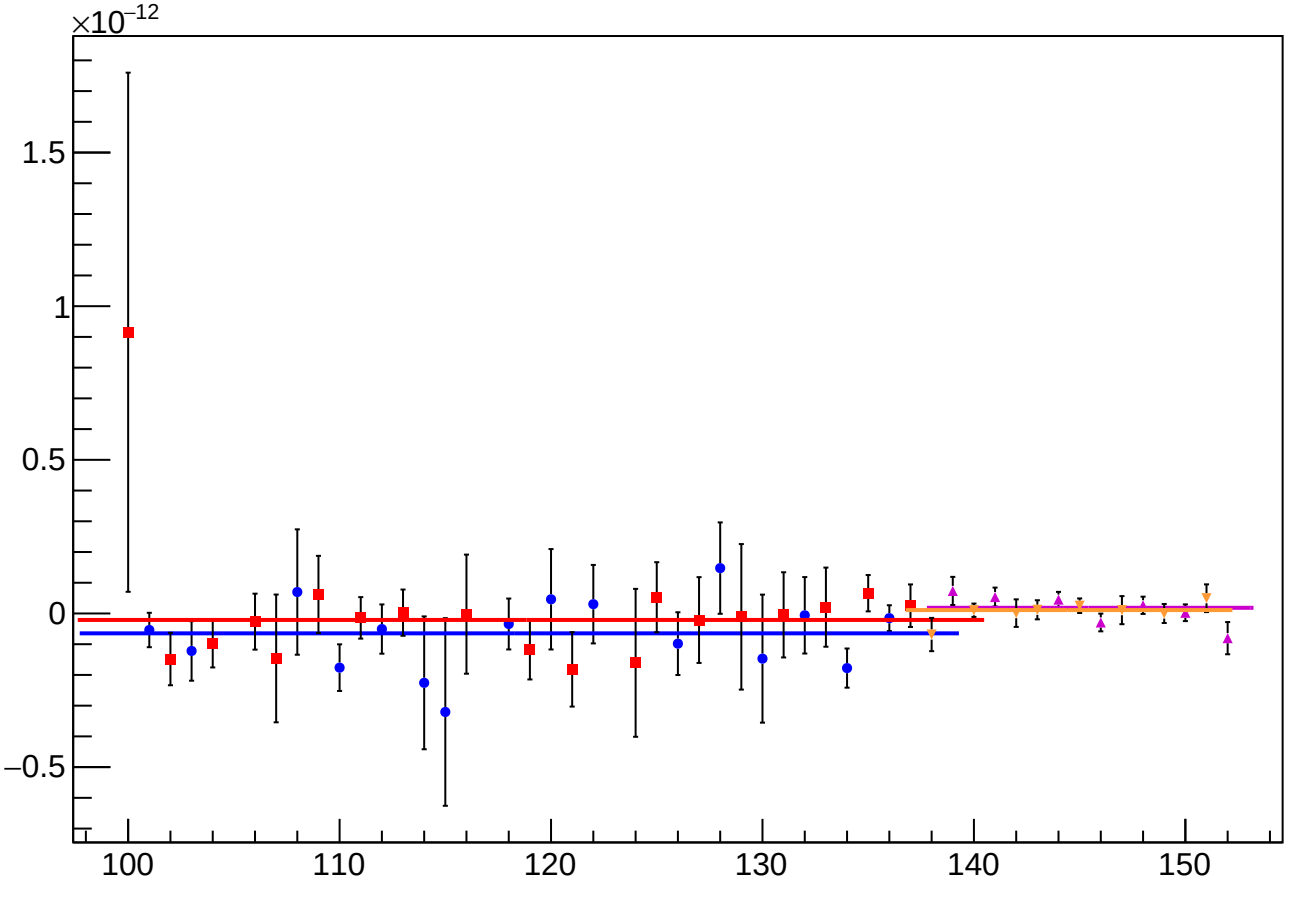
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 920.506+/-0.267 χ^2/NDF:222698.6/6

+ sign 1019.359+/-0.203 χ^2/NDF: 1398127.2/23

All: 1015.591+/-0.142 χ^2/NDF: 2663421.1/49

- sign 1011.946+/-0.200 χ^2/NDF: 1264616.2/25



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

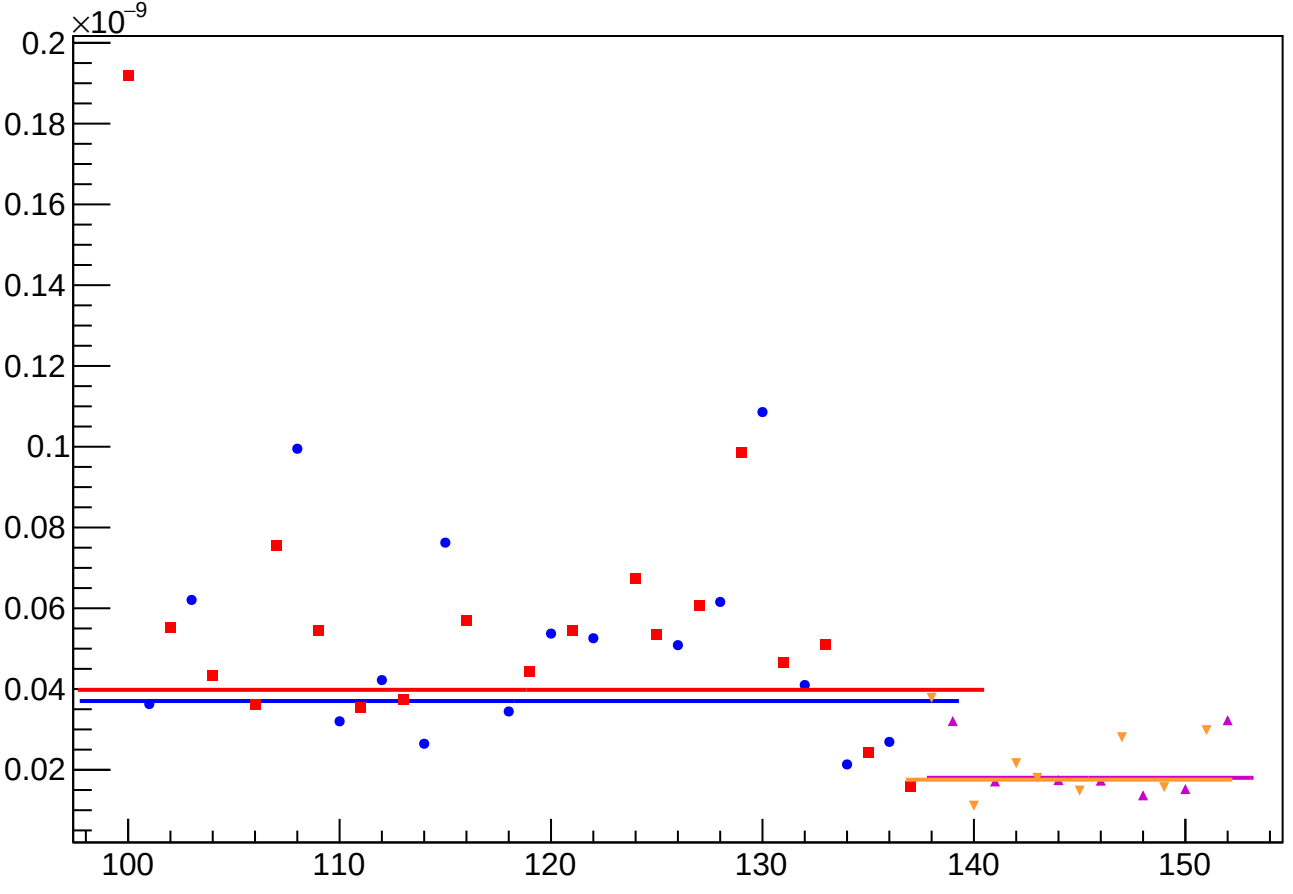
Left In: 0.000+/-0.000 χ^2/NDF:10.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 25.4/23

All: 0.000+/-0.000 χ^2/NDF: 50.9/49

- sign 0.000+/-0.000 χ^2/NDF: 24.4/25

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:760384.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

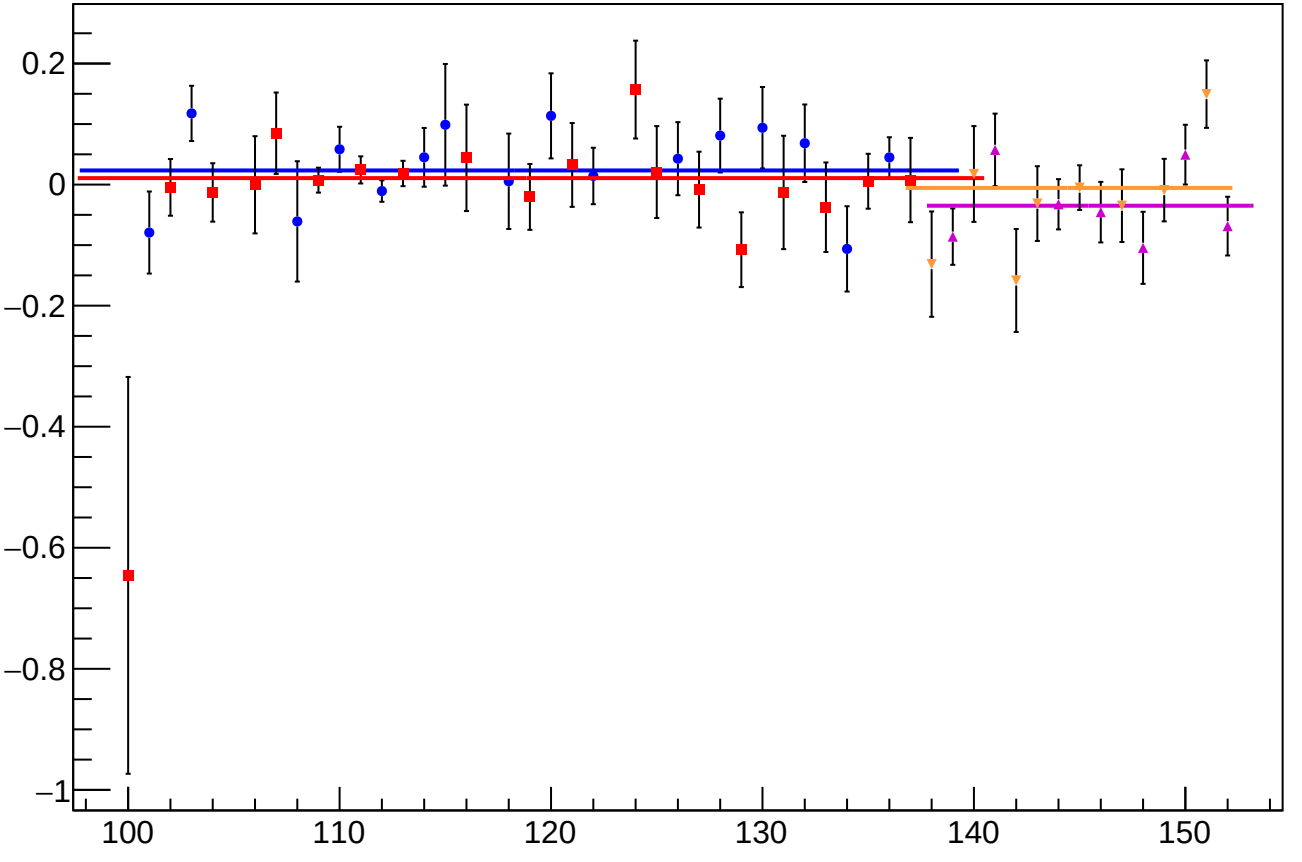
Left In: 0.000+/-0.000 χ^2/NDF:408709.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 3009794.9/23

All: 0.000+/-0.000 χ^2/NDF: 5741991.2/49

- sign 0.000+/-0.000 χ^2/NDF: 2726337.9/25

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: -0.006+/-0.020 χ^2/NDF:13.6/7

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

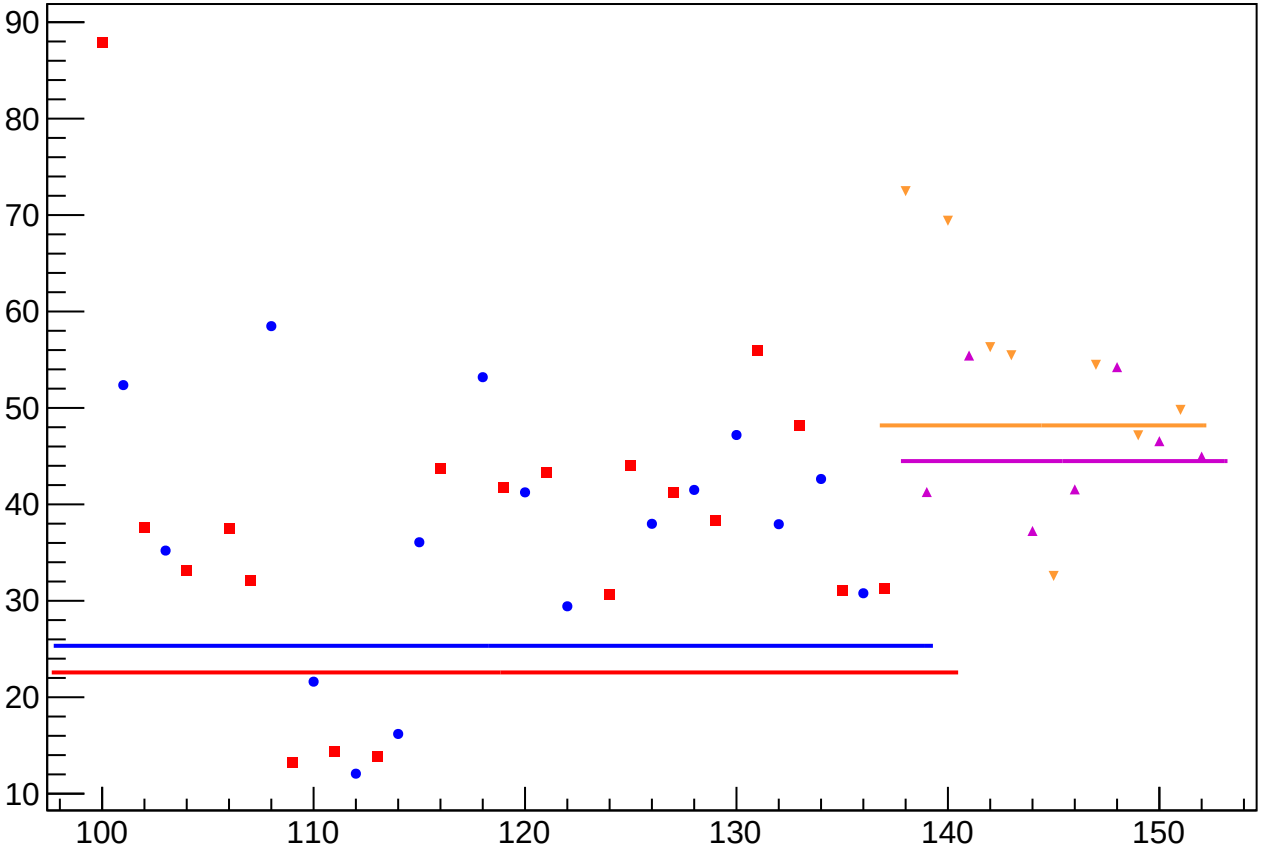
Left In: -0.035+/-0.019 χ^2/NDF:8.4/6

+ sign 0.017+/-0.010 χ^2/NDF: 35.8/23

All: 0.008+/-0.006 χ^2/NDF: 64.6/49

- sign 0.001+/-0.009 χ^2/NDF: 27.3/25

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.188+/-0.014 χ^2/NDF:729299.7/7

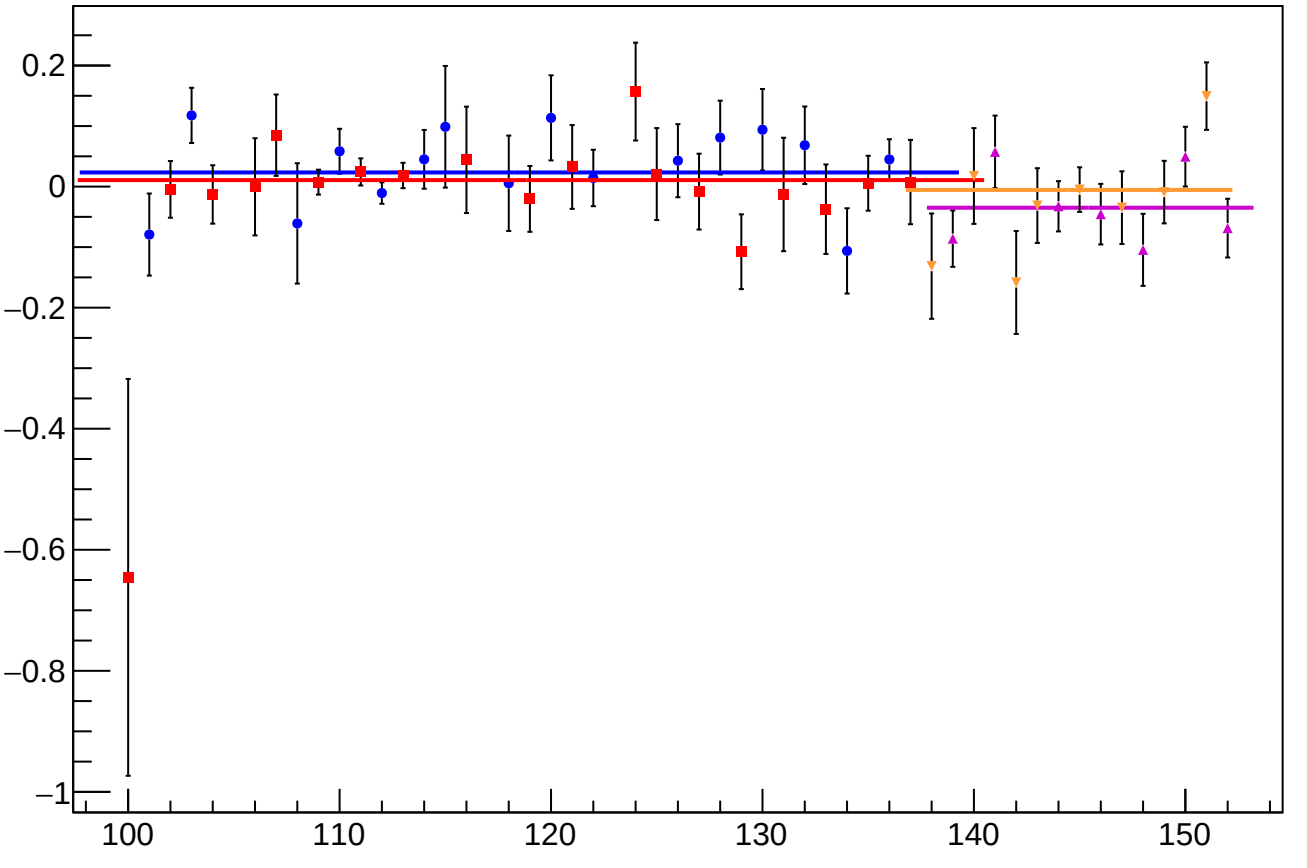
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 44.488+/-0.013 χ^2/NDF:201282.3/6

+ sign 30.534+/-0.007 χ^2/NDF: 5594309.1/23

All: 28.716+/-0.005 χ^2/NDF: 11202586.5/49

- sign 27.265+/-0.006 χ^2/NDF: 5482733.5/25



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.020 χ^2/NDF:13.6/7

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

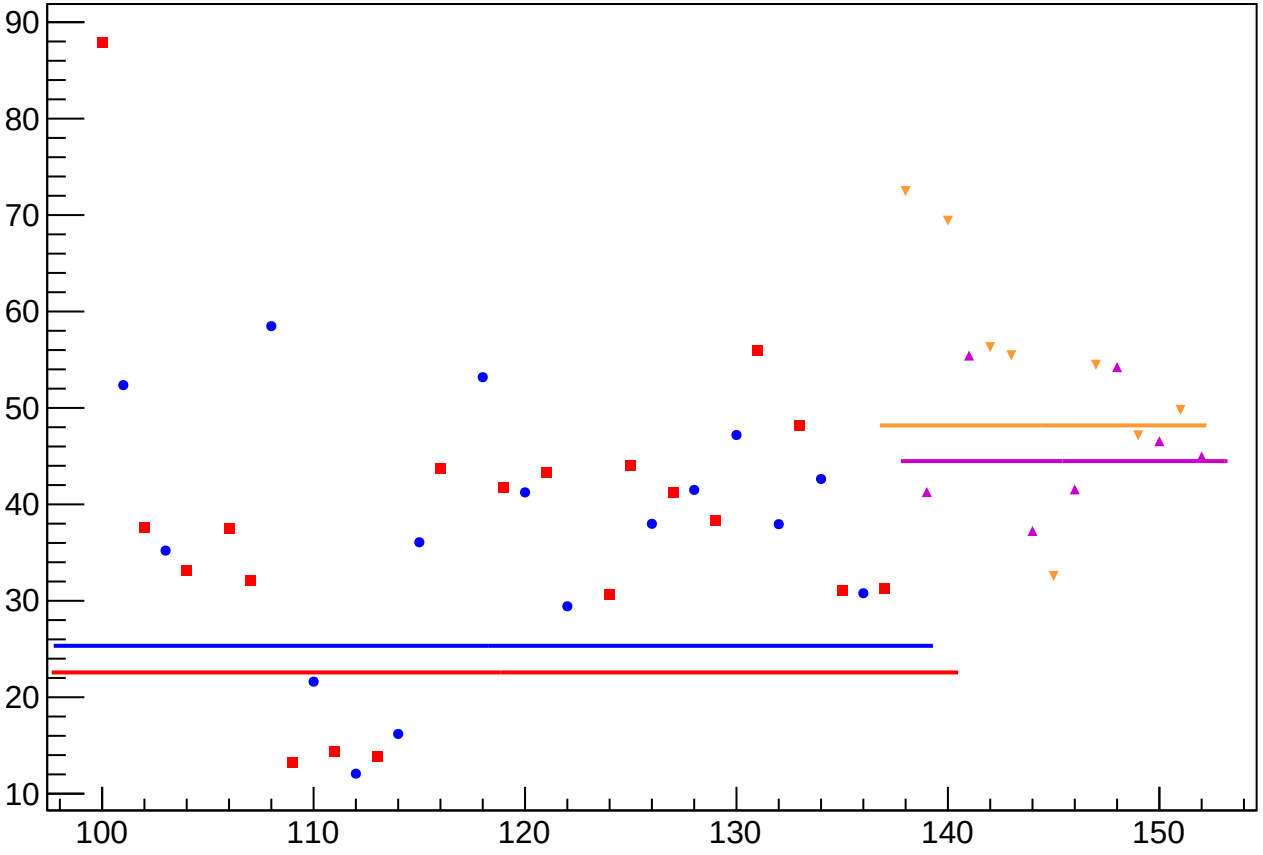
Left In: -0.035+/-0.019 χ^2/NDF:8.4/6

+ sign 0.017+/-0.010 χ^2/NDF: 35.8/23

All: 0.008+/-0.006 χ^2/NDF: 64.6/49

- sign 0.001+/-0.009 χ^2/NDF: 27.3/25

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.188+/-0.014 χ^2/NDF:729299.7/7

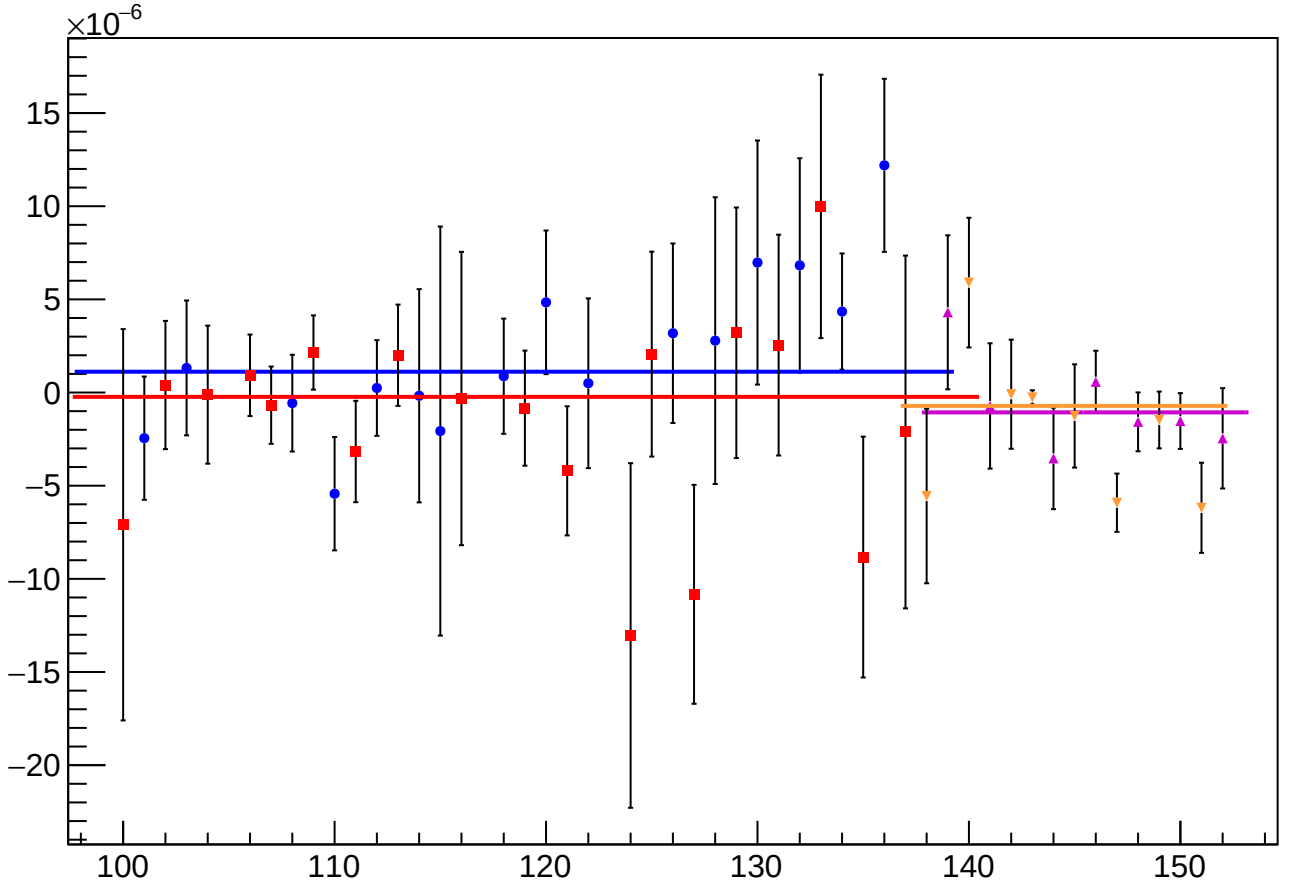
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 44.488+/-0.013 χ^2/NDF:201282.3/6

+ sign 30.534+/-0.007 χ^2/NDF: 5594309.1/23

All: 28.716+/-0.005 χ^2/NDF: 11202586.5/49

- sign 27.265+/-0.006 χ^2/NDF: 5482733.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.5/7

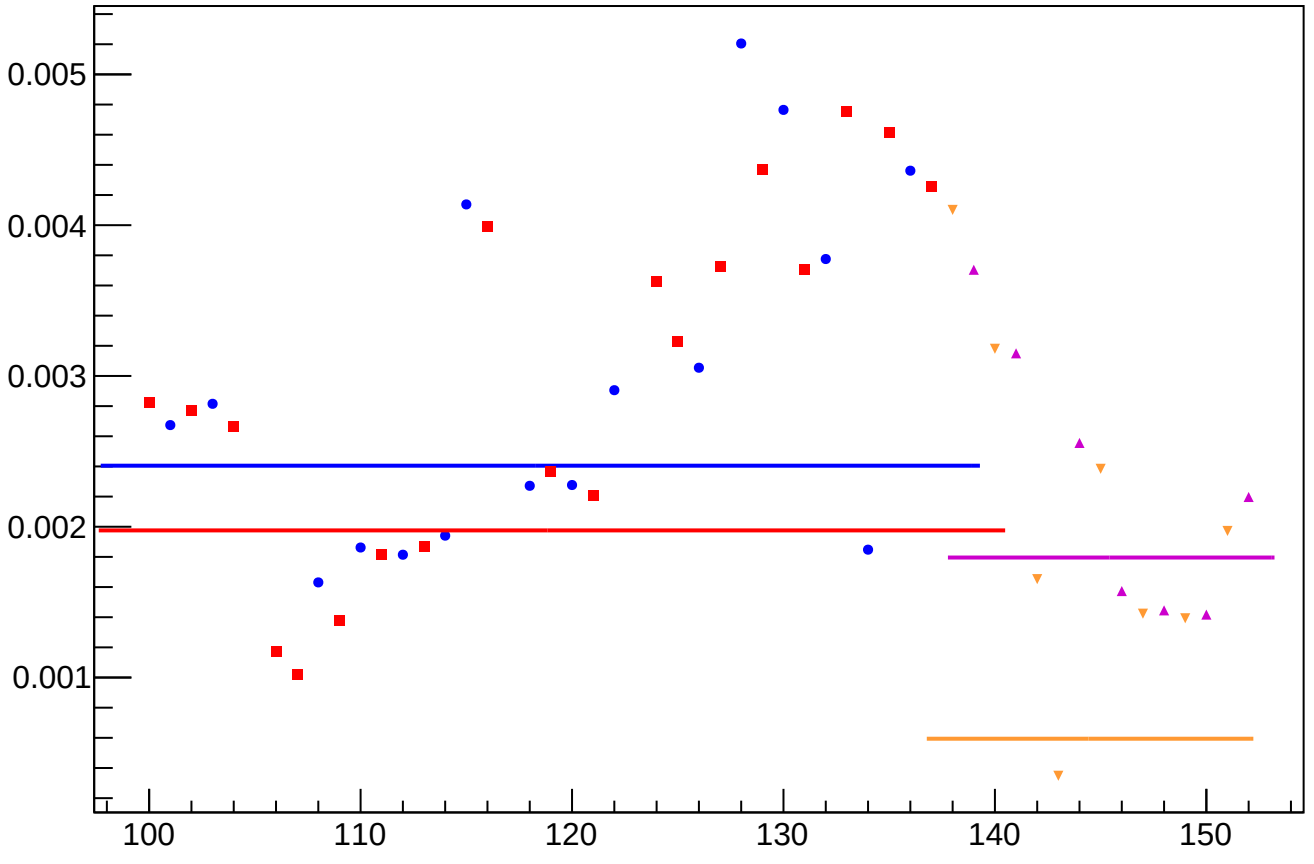
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 42.0/23

All: -0.000+/-0.000 χ^2/NDF: 61.7/49

- sign -0.000+/-0.000 χ^2/NDF: 19.6/25



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:5891885.5/7

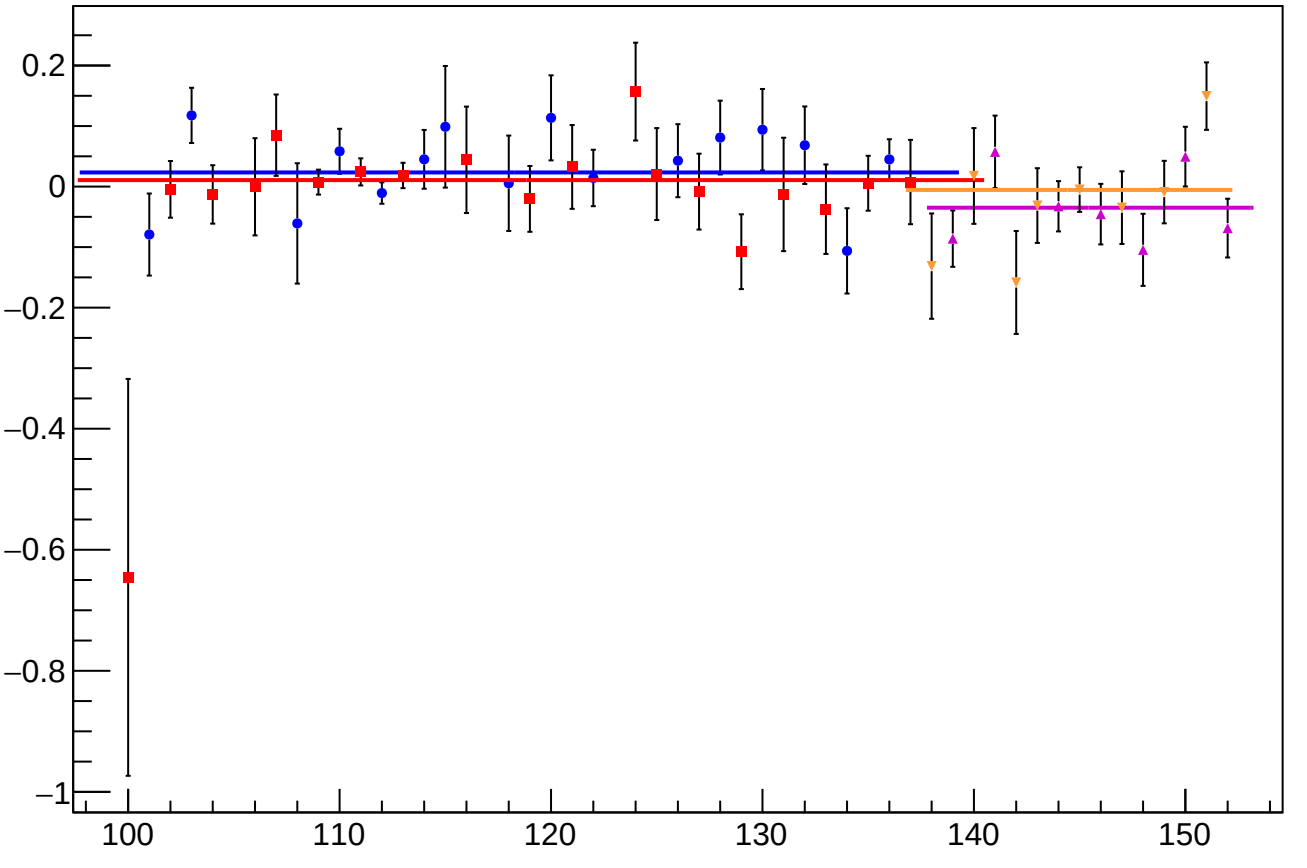
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1212702.9/6

+ sign 0.001+/-0.000 χ^2/NDF: 13800217.5/23

All: 0.001+/-0.000 χ^2/NDF: 23221038.6/49

- sign 0.002+/-0.000 χ^2/NDF: 4038835.0/25



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.020 χ^2/NDF:13.6/7

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

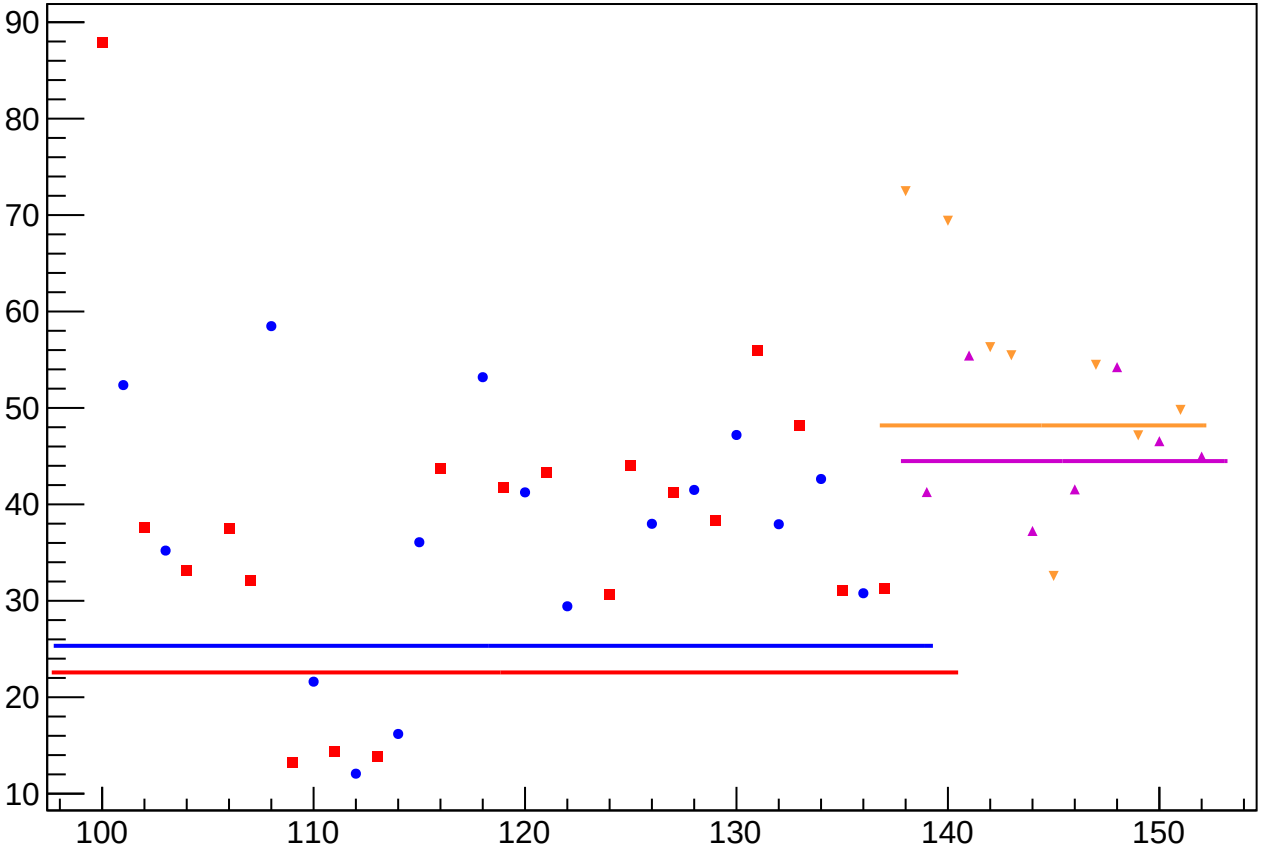
Left In: -0.035+/-0.019 χ^2/NDF:8.4/6

+ sign 0.017+/-0.010 χ^2/NDF: 35.8/23

All: 0.008+/-0.006 χ^2/NDF: 64.6/49

- sign 0.001+/-0.009 χ^2/NDF: 27.3/25

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.188+/-0.014 χ^2/NDF:729268.8/7

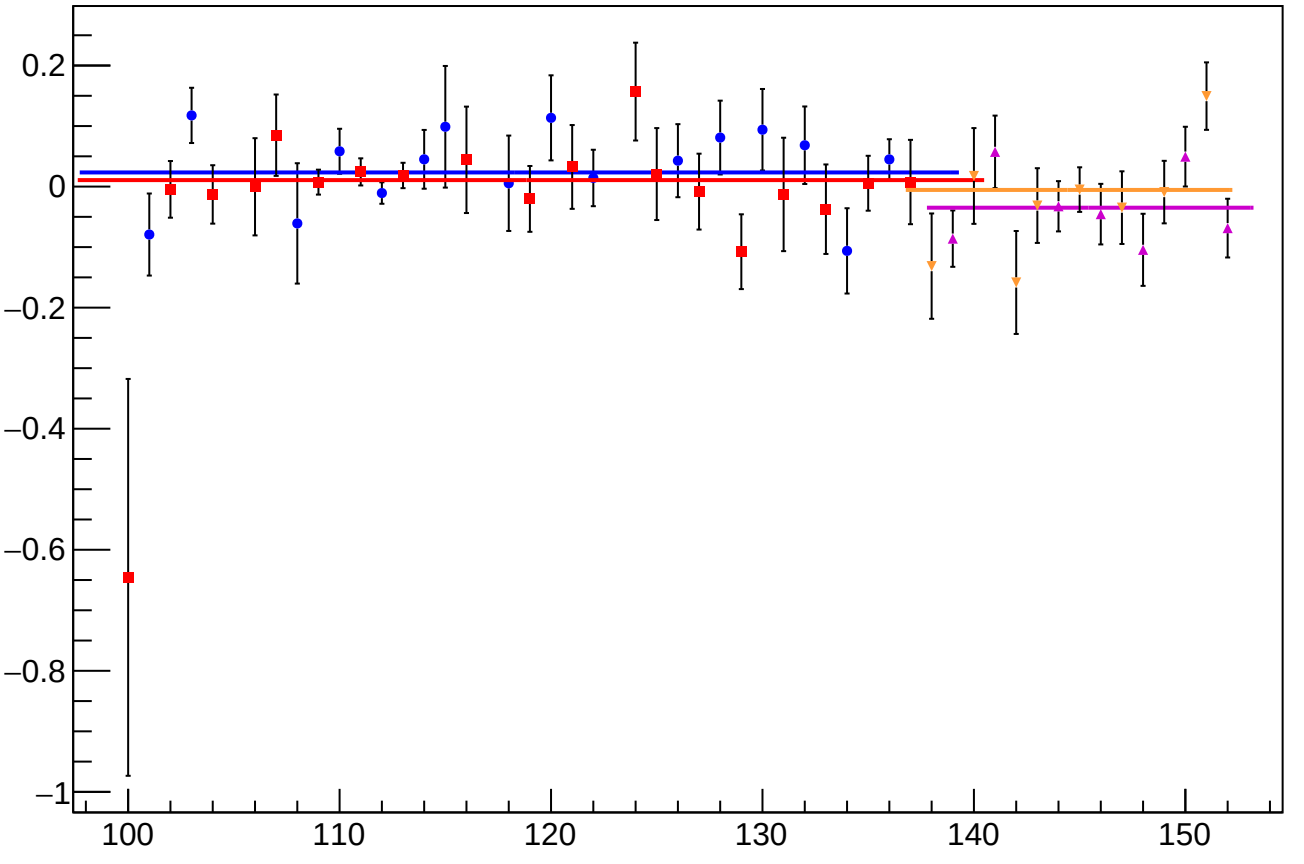
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 44.488+/-0.013 χ^2/NDF:201270.3/6

+ sign 30.532+/-0.007 χ^2/NDF: 5594985.6/23

All: 28.715+/-0.005 χ^2/NDF: 11203441.2/49

- sign 27.265+/-0.006 χ^2/NDF: 5482981.5/25



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.020 χ^2/NDF:13.6/7

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

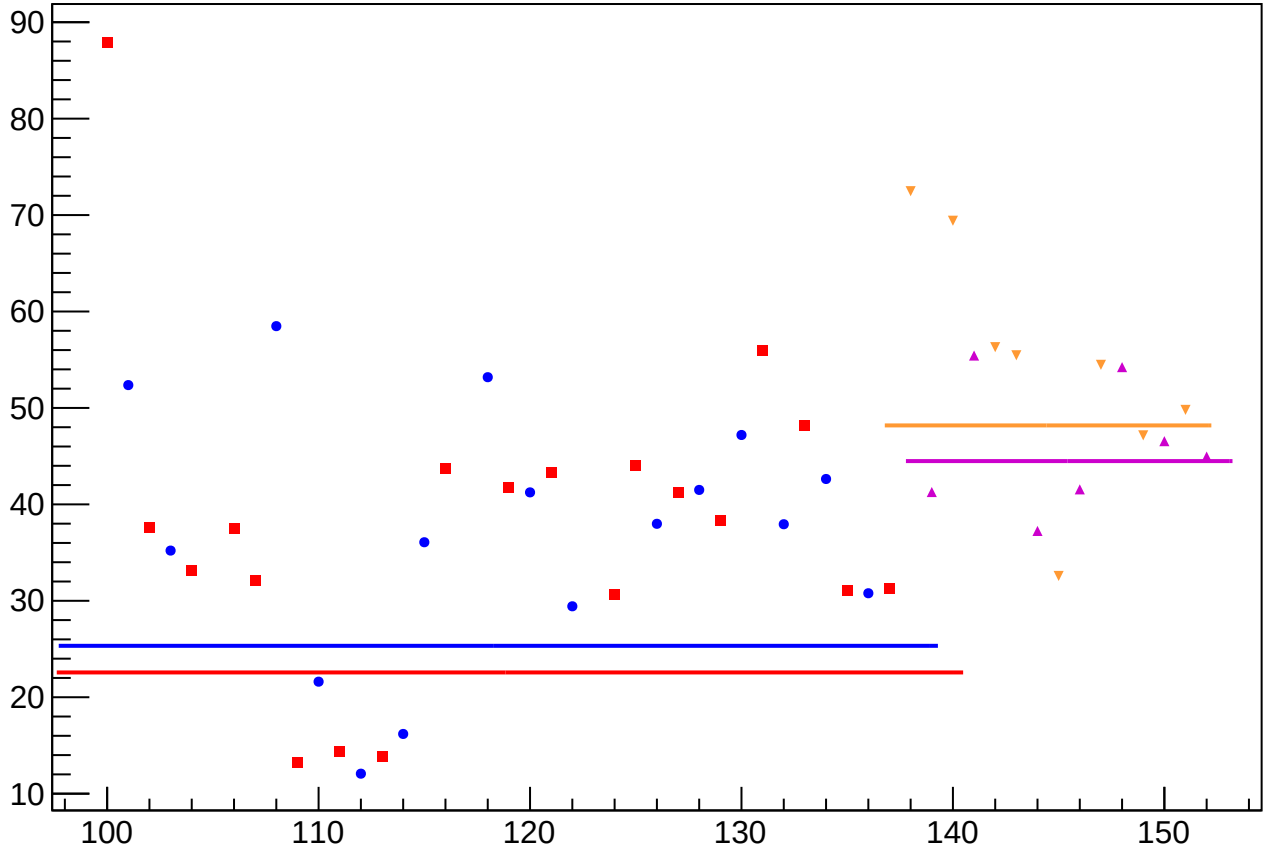
Left In: -0.035+/-0.019 χ^2/NDF:8.4/6

+ sign 0.017+/-0.010 χ^2/NDF: 35.8/23

All: 0.008+/-0.006 χ^2/NDF: 64.6/49

- sign 0.001+/-0.009 χ^2/NDF: 27.3/25

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.188+/-0.014 χ^2/NDF:729268.8/7

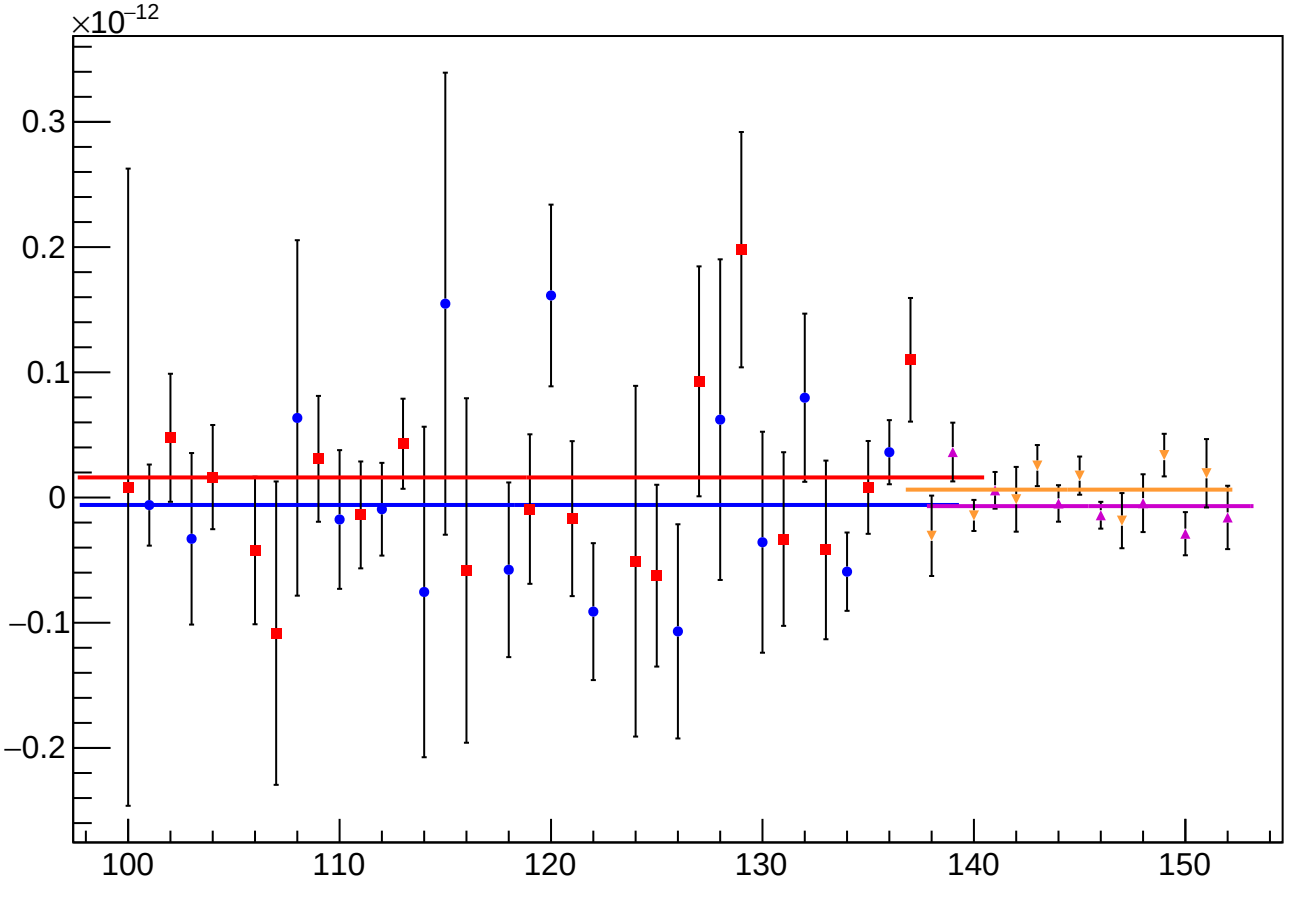
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 44.488+/-0.013 χ^2/NDF:201270.3/6

+ sign 30.532+/-0.007 χ^2/NDF: 5594985.6/23

All: 28.715+/-0.005 χ^2/NDF: 11203441.2/49

- sign 27.265+/-0.006 χ^2/NDF: 5482981.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/7

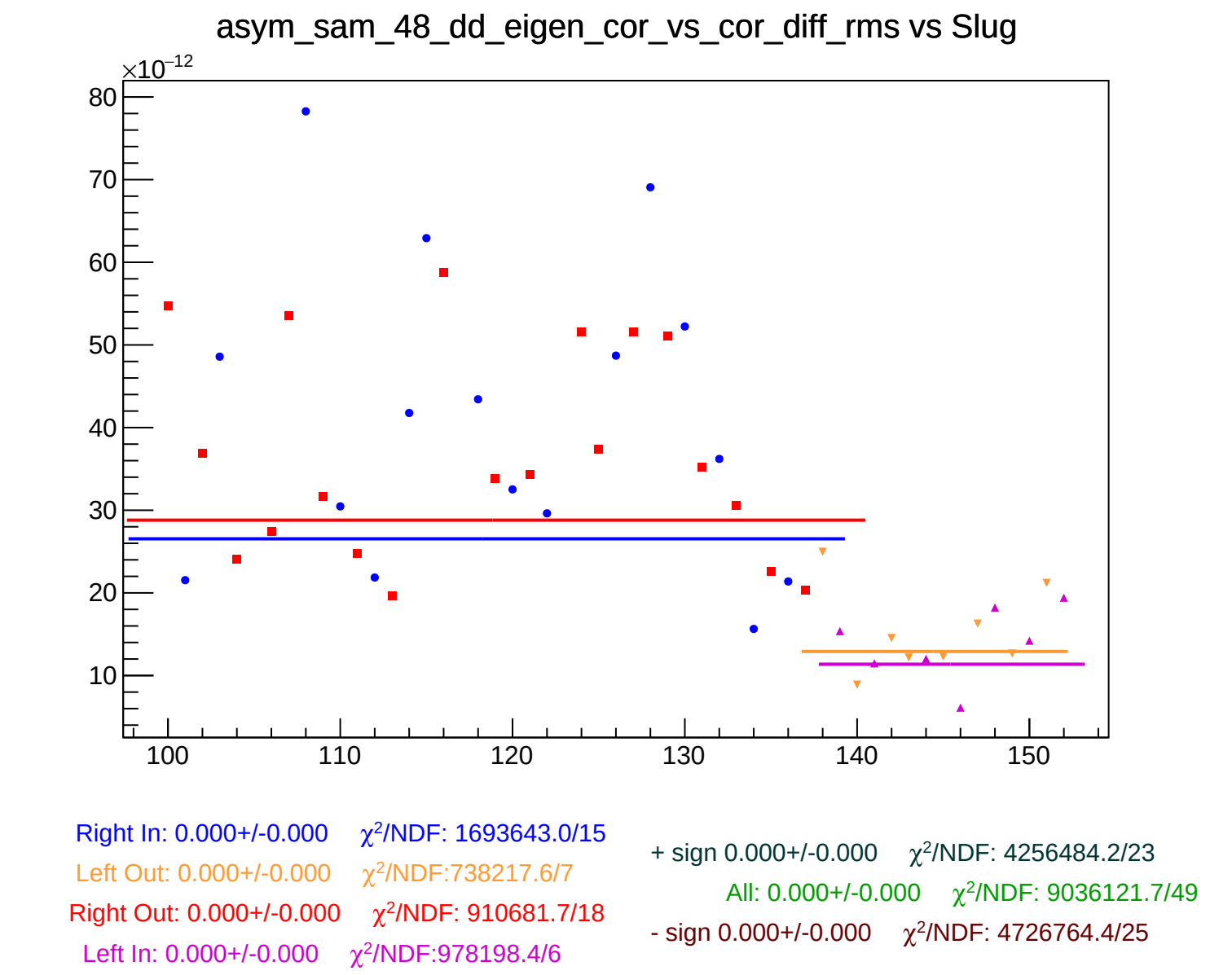
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/6

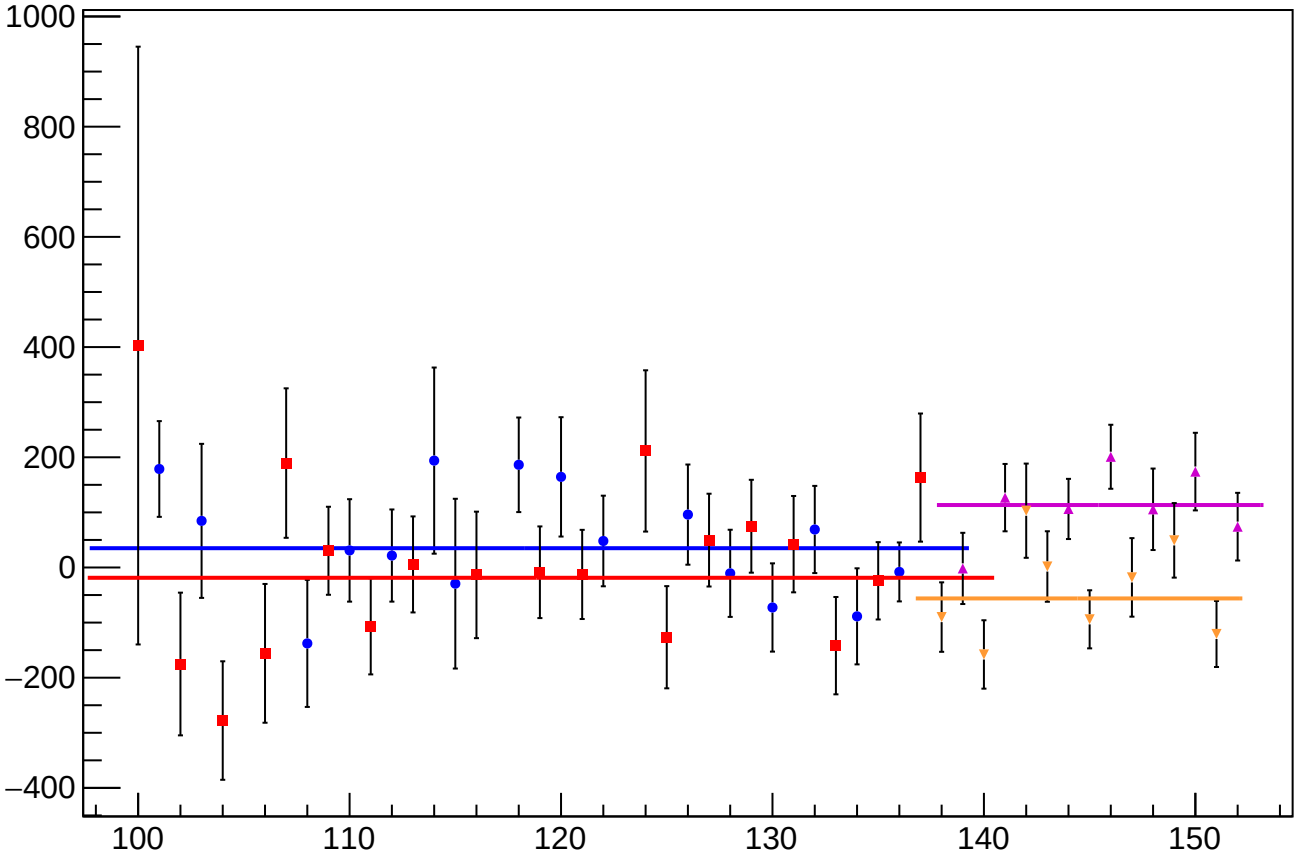
+ sign 0.000+/-0.000 χ^2/NDF: 29.7/23

All: 0.000+/-0.000 χ^2/NDF: 54.3/49

- sign -0.000+/-0.000 χ^2/NDF: 23.8/25


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:738217.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:978198.4/6
+ sign 0.000+/-0.000 χ²/NDF: 4256484.2/23
All: 0.000+/-0.000 χ²/NDF: 9036121.7/49
- sign 0.000+/-0.000 χ²/NDF: 4726764.4/25

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -56.167+/-22.668 χ^2/NDF:11.6/7

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

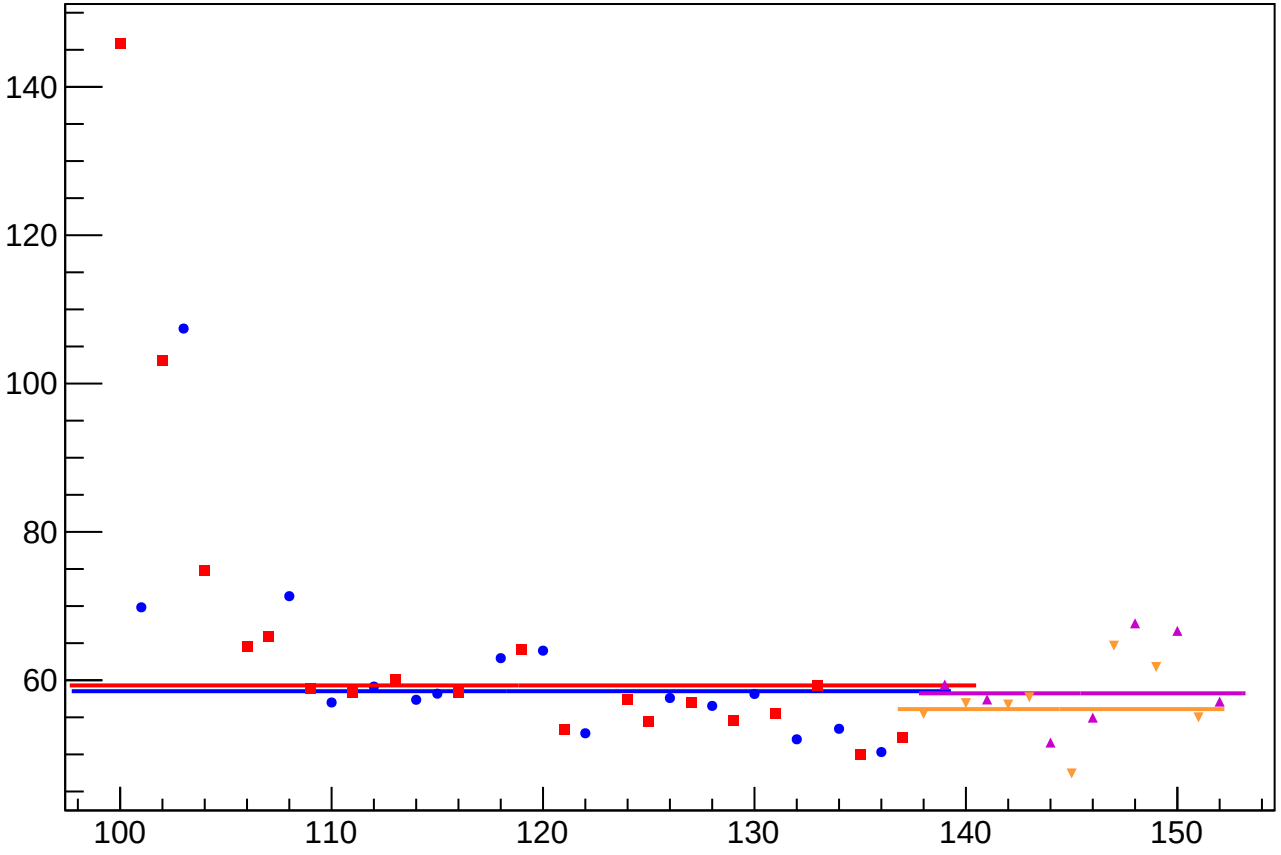
Left In: 113.363+/-23.645 χ^2/NDF:6.7/6

+ sign -9.488+/-15.837 χ^2/NDF: 36.1/23

All: 16.221+/-11.311 χ^2/NDF: 88.3/49

- sign 42.991+/-16.160 χ^2/NDF: 46.8/25

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.107+/-0.016 χ^2/NDF:99728.7/7

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

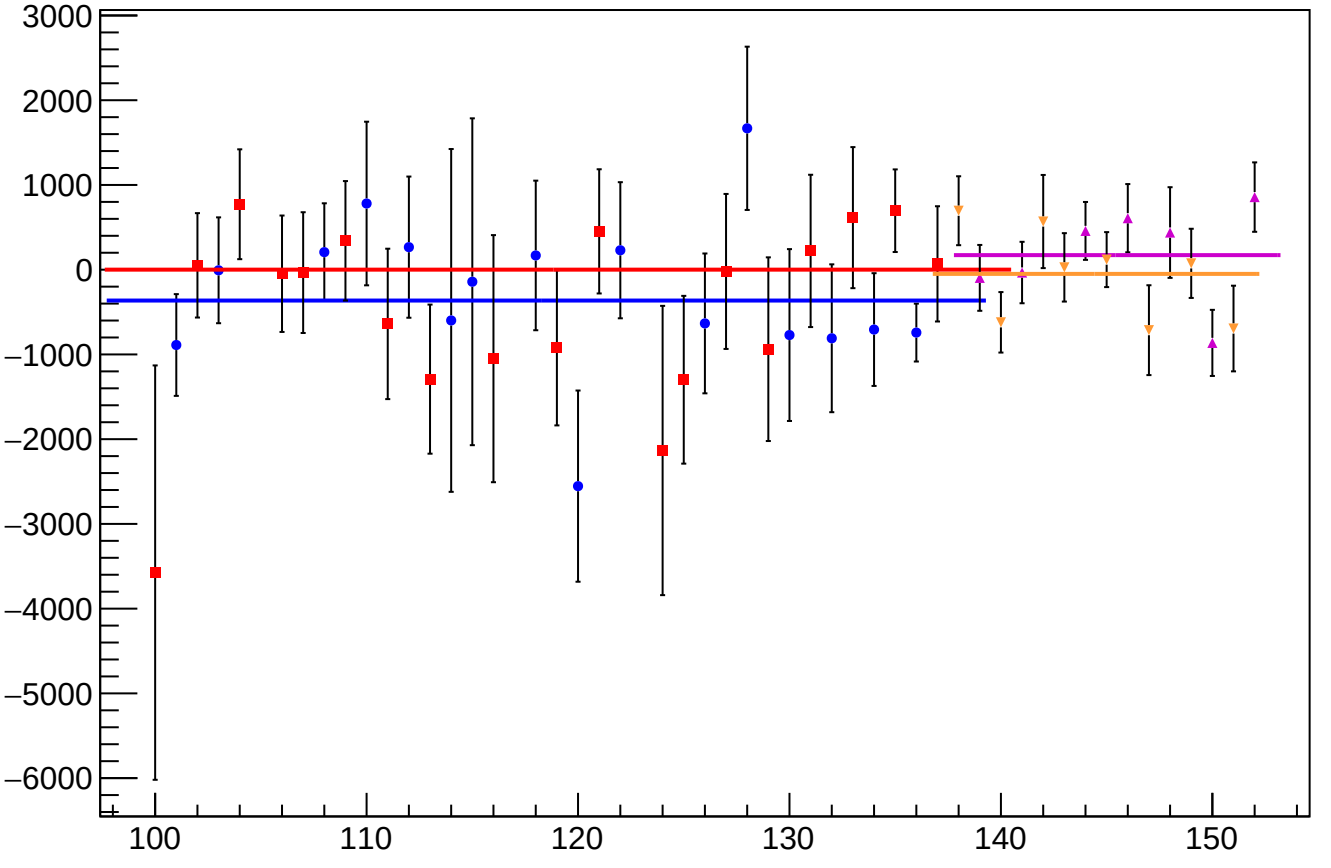
Left In: 58.236+/-0.017 χ^2/NDF:98796.8/6

+ sign 57.343+/-0.011 χ^2/NDF: 504084.4/23

All: 58.059+/-0.008 χ^2/NDF: 1019988.2/49

- sign 58.804+/-0.011 χ^2/NDF: 507569.8/25

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -49.572+/-146.929 χ^2/NDF:10.8/7

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

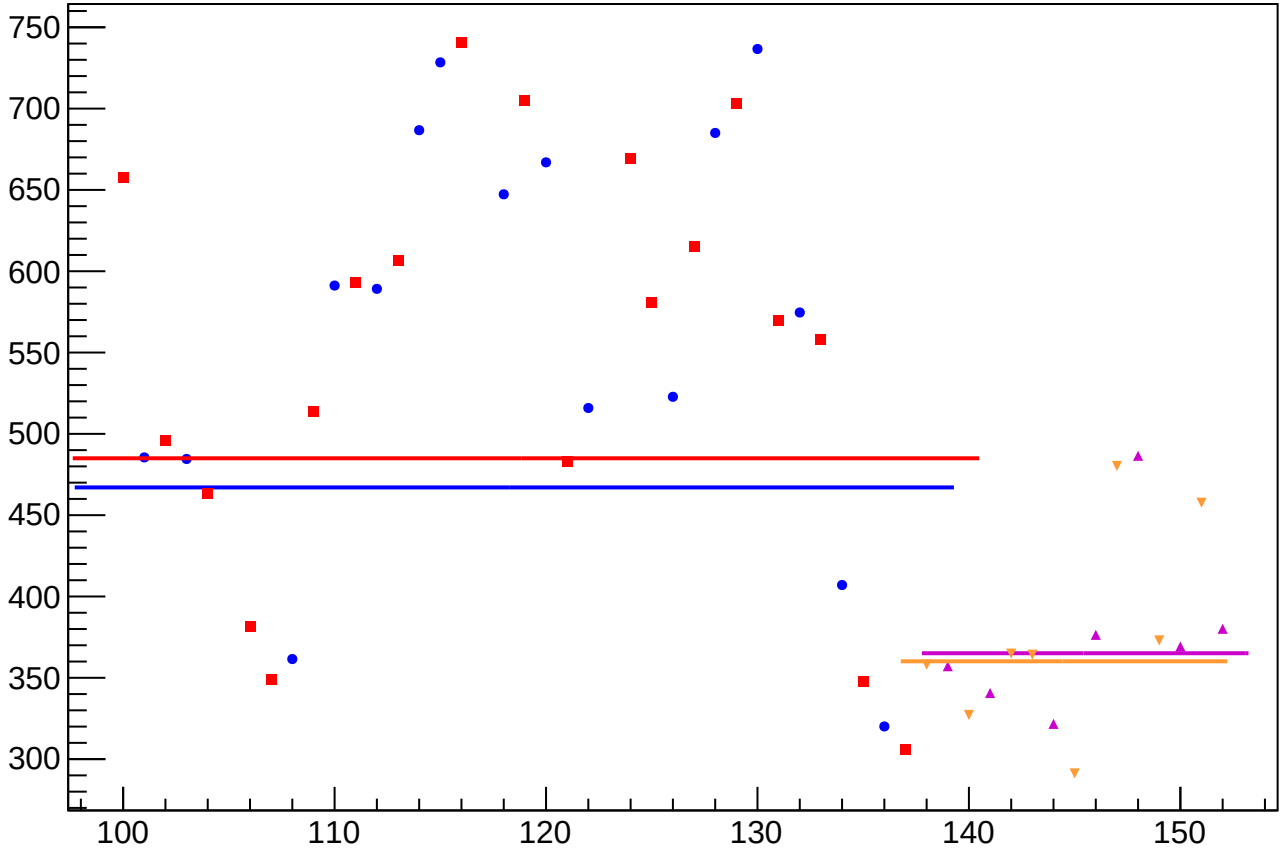
Left In: 171.951+/-149.088 χ^2/NDF:12.8/6

+ sign -174.829+/-113.975 χ^2/NDF: 27.8/23

All: -37.585+/-81.163 χ^2/NDF: 59.2/49

- sign 103.619+/-115.607 χ^2/NDF: 28.4/25

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 360.146+/-0.104 χ^2/NDF:286901.2/7

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

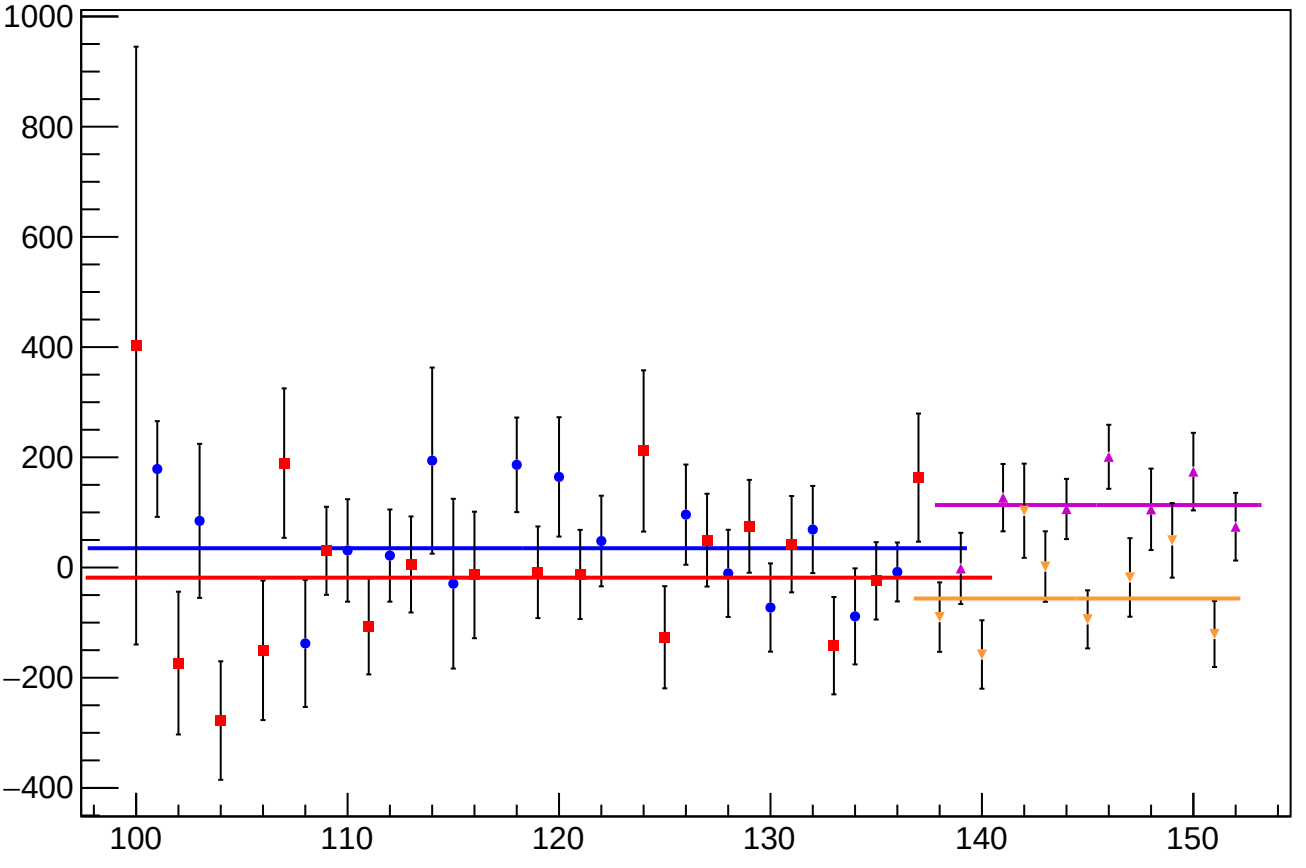
Left In: 365.109+/-0.105 χ^2/NDF:149771.3/6

+ sign 402.730+/-0.081 χ^2/NDF: 1739000.0/23

All: 407.745+/-0.057 χ^2/NDF: 3286245.0/49

- sign 412.904+/-0.082 χ^2/NDF: 1539389.6/25

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -56.168+/-22.668 χ^2/NDF:11.6/7

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

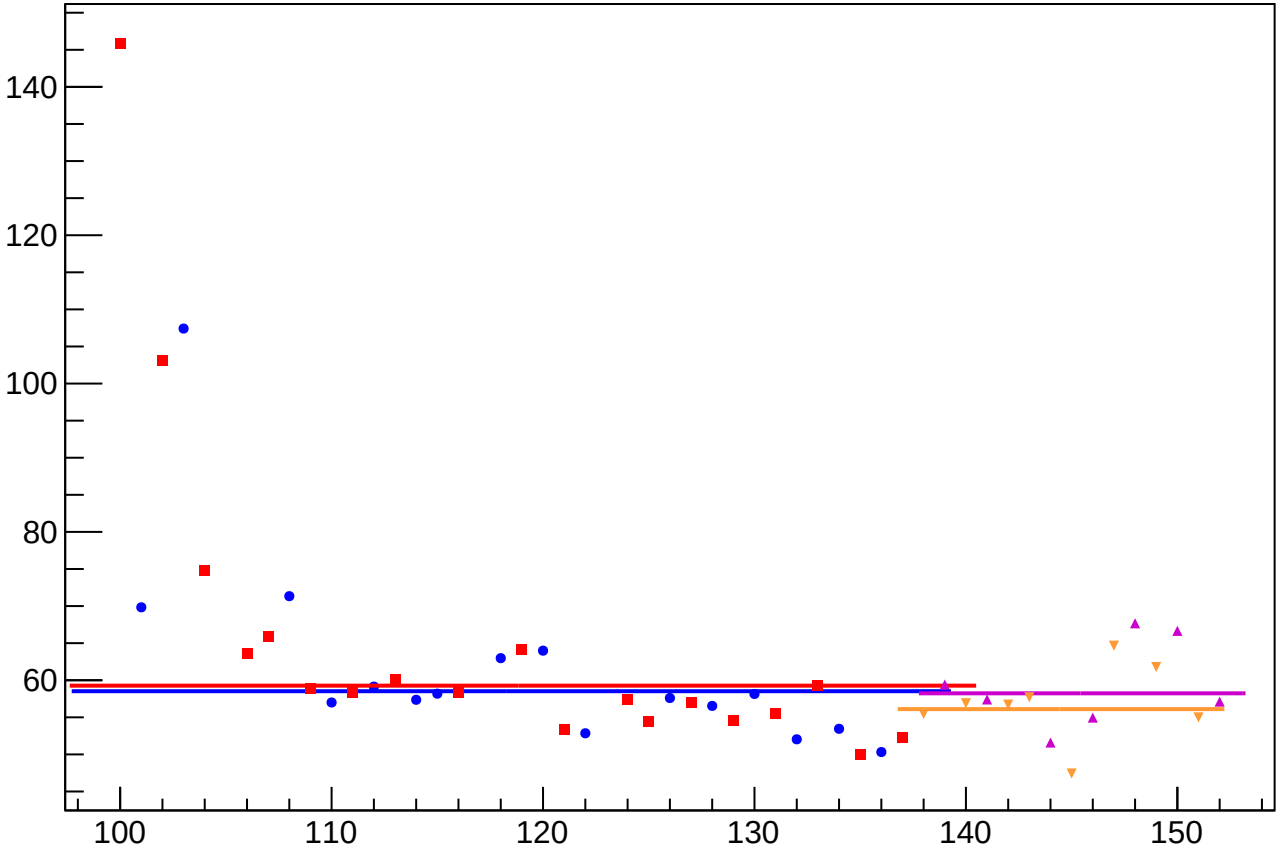
Left In: 113.362+/-23.645 χ^2/NDF:6.7/6

+ sign -9.488+/-15.837 χ^2/NDF: 36.1/23

All: 16.295+/-11.311 χ^2/NDF: 88.1/49

- sign 43.148+/-16.162 χ^2/NDF: 46.6/25

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.107+/-0.016 χ^2/NDF:99728.7/7

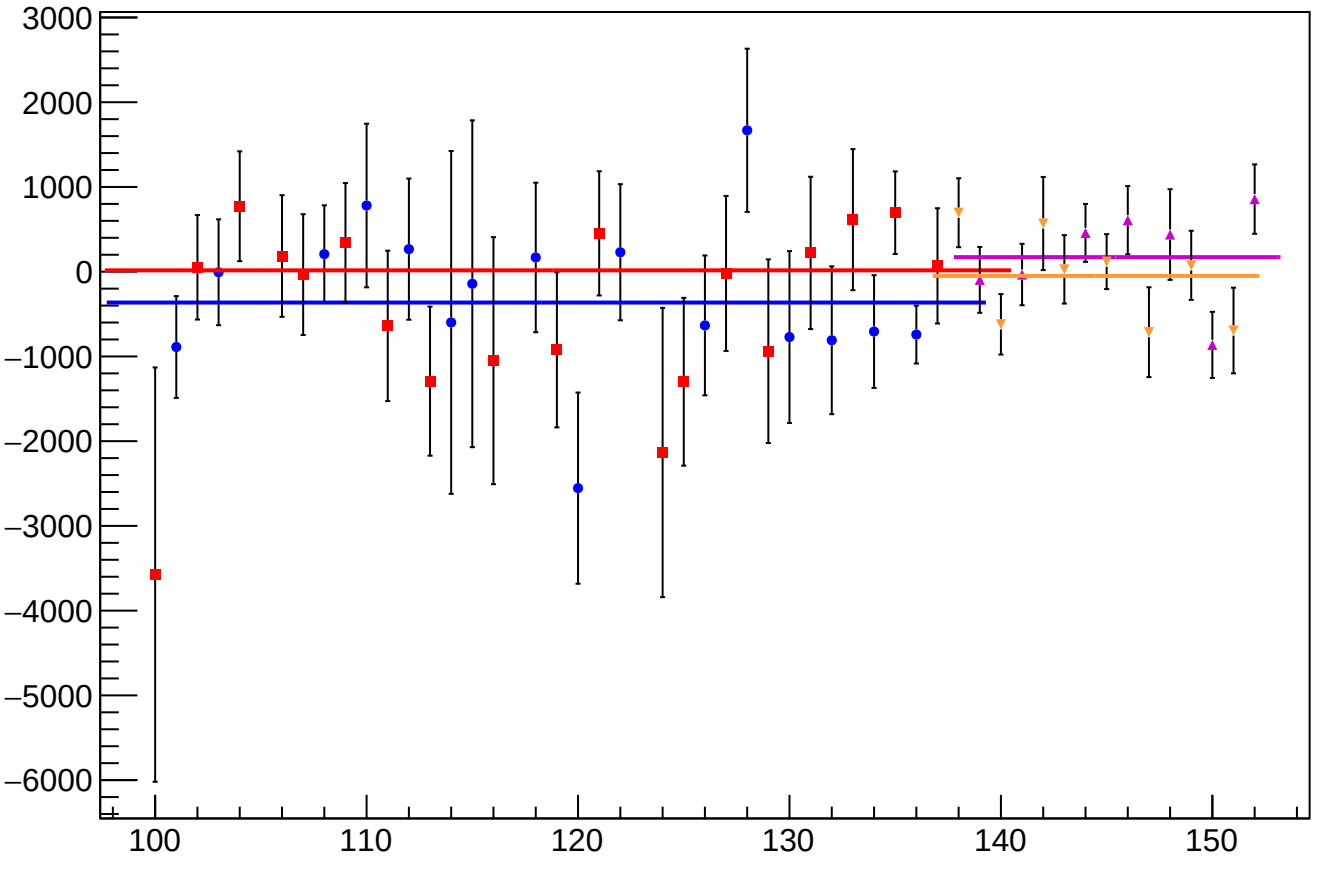
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.236+/-0.017 χ^2/NDF:98796.8/6

+ sign 57.343+/-0.011 χ^2/NDF: 504086.5/23

All: 58.050+/-0.008 χ^2/NDF: 1018673.2/49

- sign 58.787+/-0.011 χ^2/NDF: 506447.0/25



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -49.575+/-146.929 χ^2/NDF:10.8/7

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

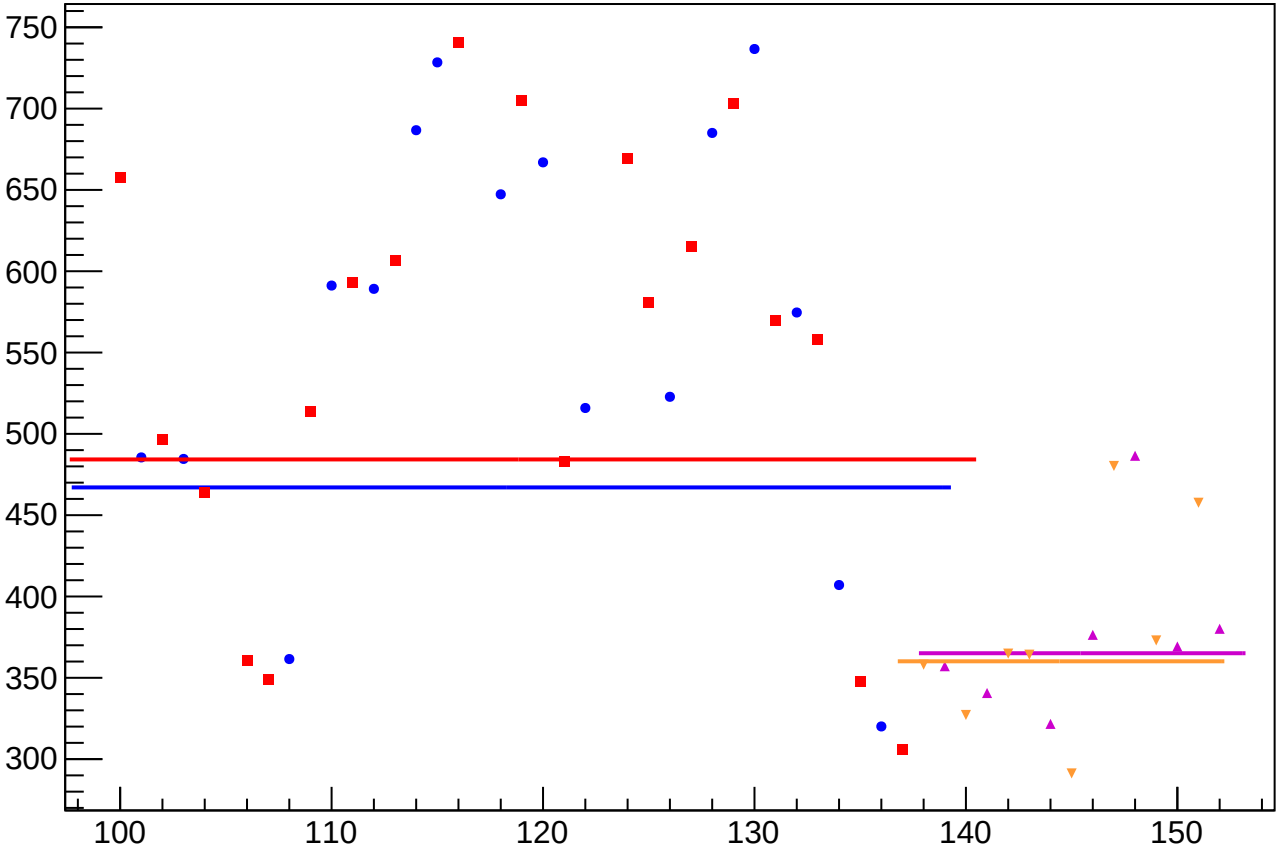
Left In: 171.948+/-149.088 χ^2/NDF:12.8/6

+ sign -174.816+/-113.975 χ^2/NDF: 27.8/23

All: -34.591+/-81.212 χ^2/NDF: 59.2/49

- sign 110.034+/-115.749 χ^2/NDF: 28.3/25

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 360.146+/-0.104 χ^2/NDF:286902.1/7

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

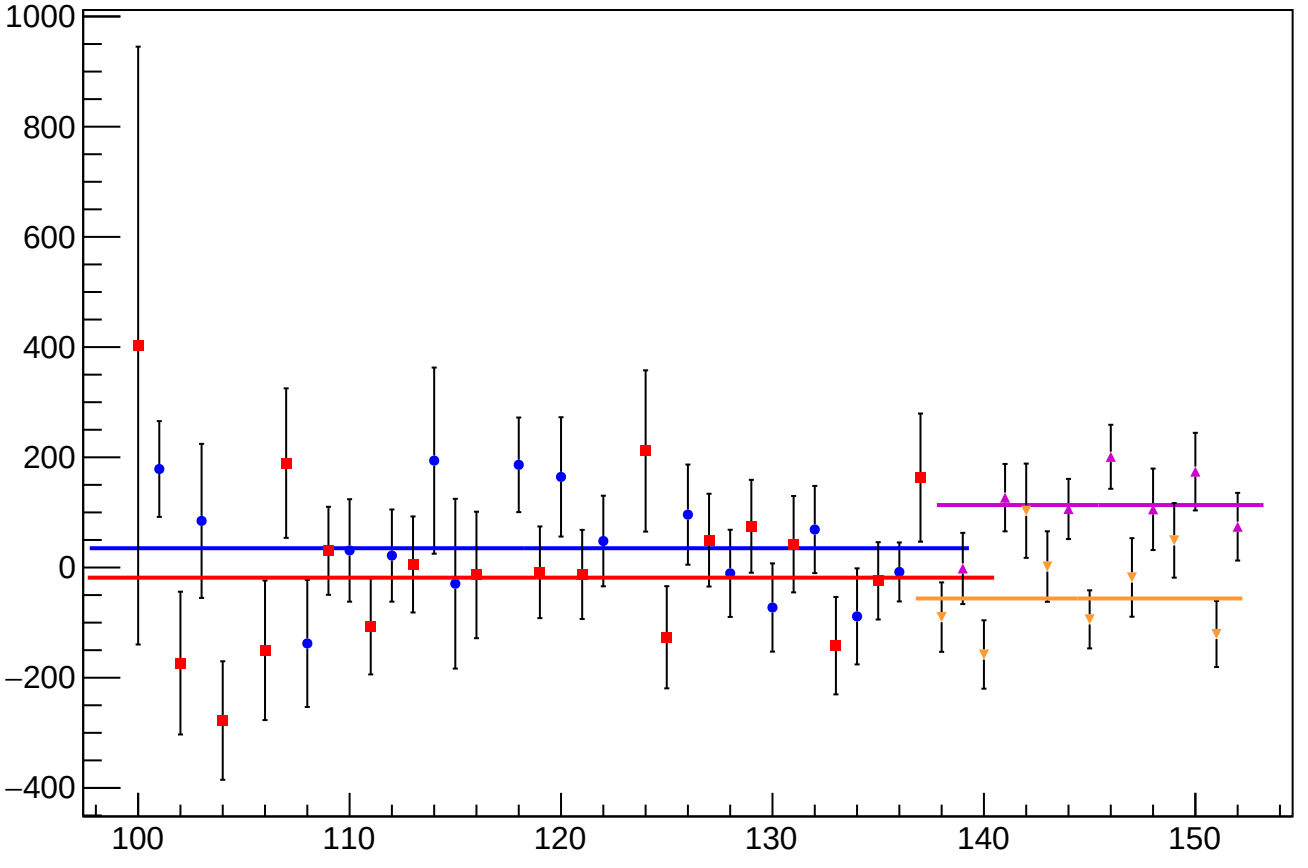
Left In: 365.110+/-0.105 χ^2/NDF:149771.0/6

\+ sign 402.730+/-0.081 χ^2/NDF: 1739021.4/23

All: 407.513+/-0.057 χ^2/NDF: 3292298.7/49

\- sign 412.446+/-0.082 χ^2/NDF: 1546123.3/25

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -56.168+/-22.668 χ^2/NDF:11.6/7

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

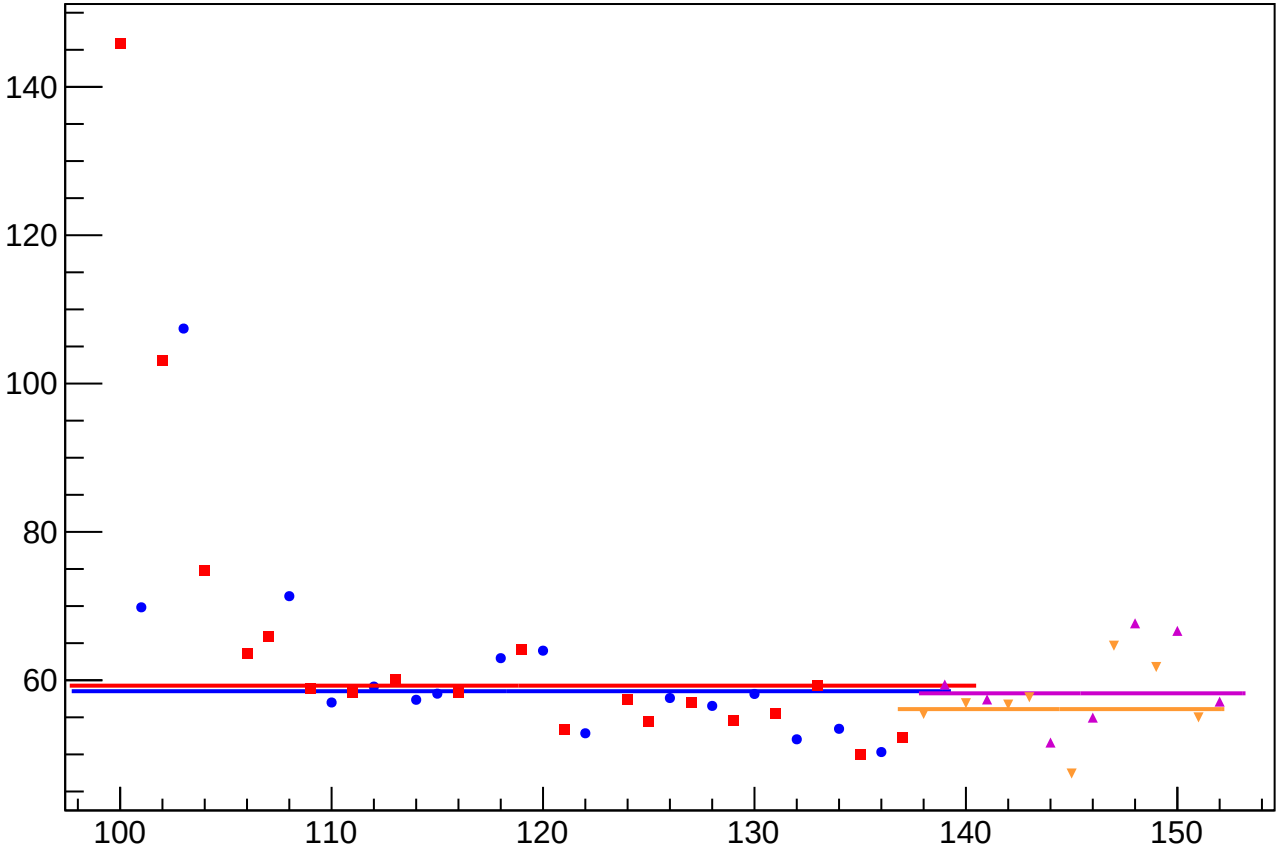
Left In: 113.362+/-23.645 χ^2/NDF:6.7/6

+ sign -9.488+/-15.837 χ^2/NDF: 36.1/23

All: 16.295+/-11.311 χ^2/NDF: 88.1/49

- sign 43.148+/-16.162 χ^2/NDF: 46.6/25

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.107+/-0.016 χ^2/NDF:99728.7/7

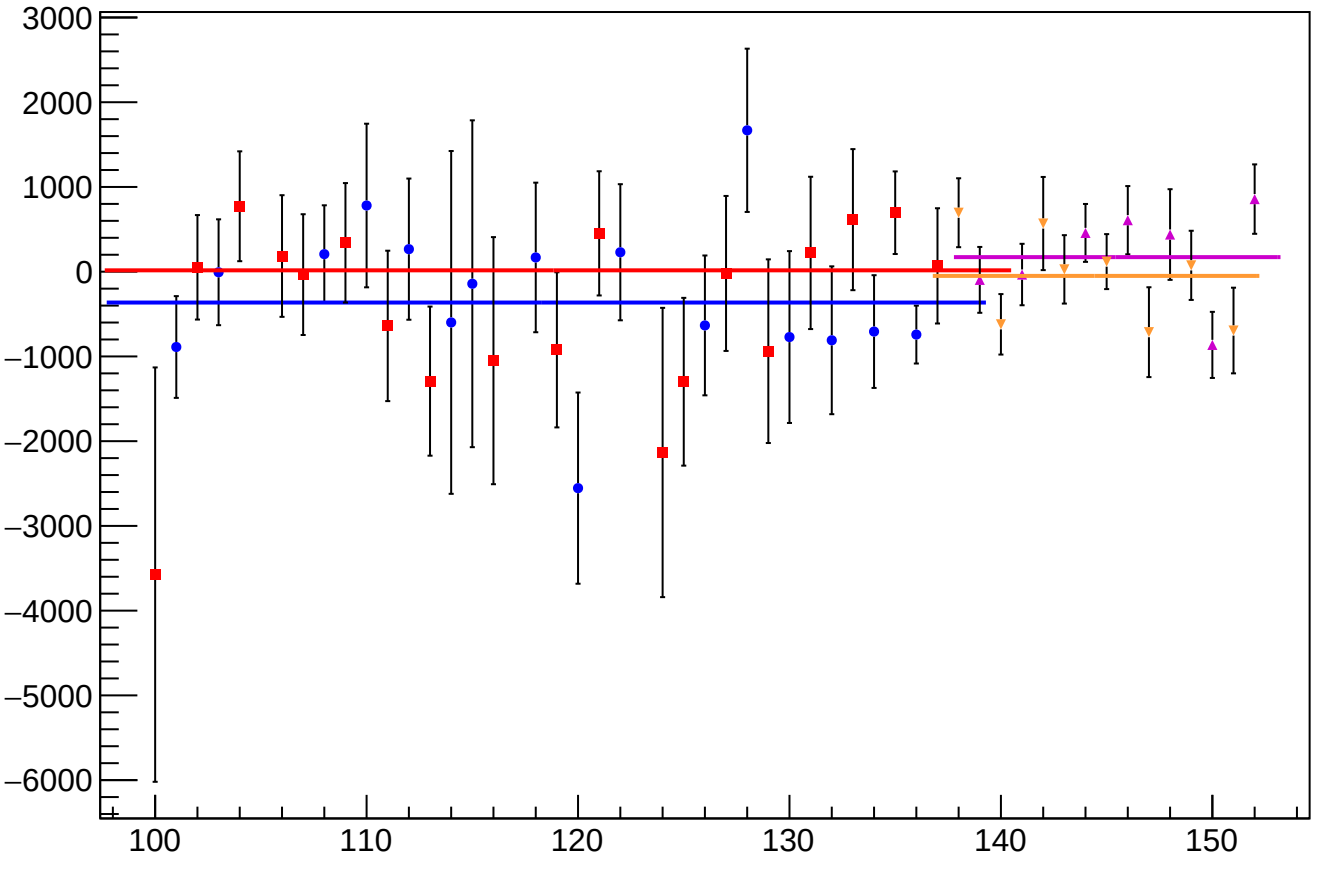
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.236+/-0.017 χ^2/NDF:98796.8/6

+ sign 57.343+/-0.011 χ^2/NDF: 504086.5/23

All: 58.050+/-0.008 χ^2/NDF: 1018673.2/49

- sign 58.787+/-0.011 χ^2/NDF: 506447.0/25



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -49.575+/-146.929 χ^2/NDF:10.8/7

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

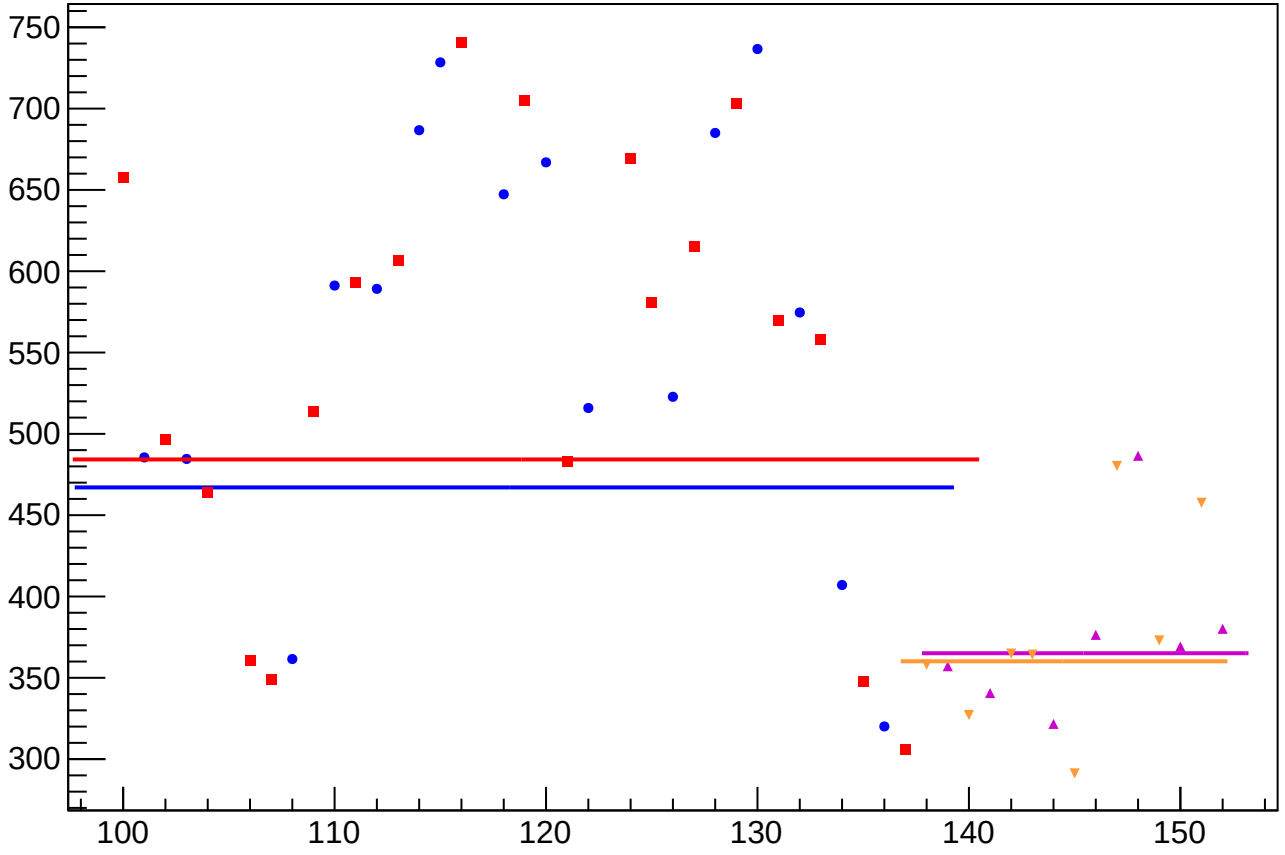
Left In: 171.948+/-149.088 χ^2/NDF:12.8/6

+ sign -174.816+/-113.975 χ^2/NDF: 27.8/23

All: -34.591+/-81.212 χ^2/NDF: 59.2/49

- sign 110.034+/-115.749 χ^2/NDF: 28.3/25

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 360.146+/-0.104 χ^2/NDF:286902.1/7

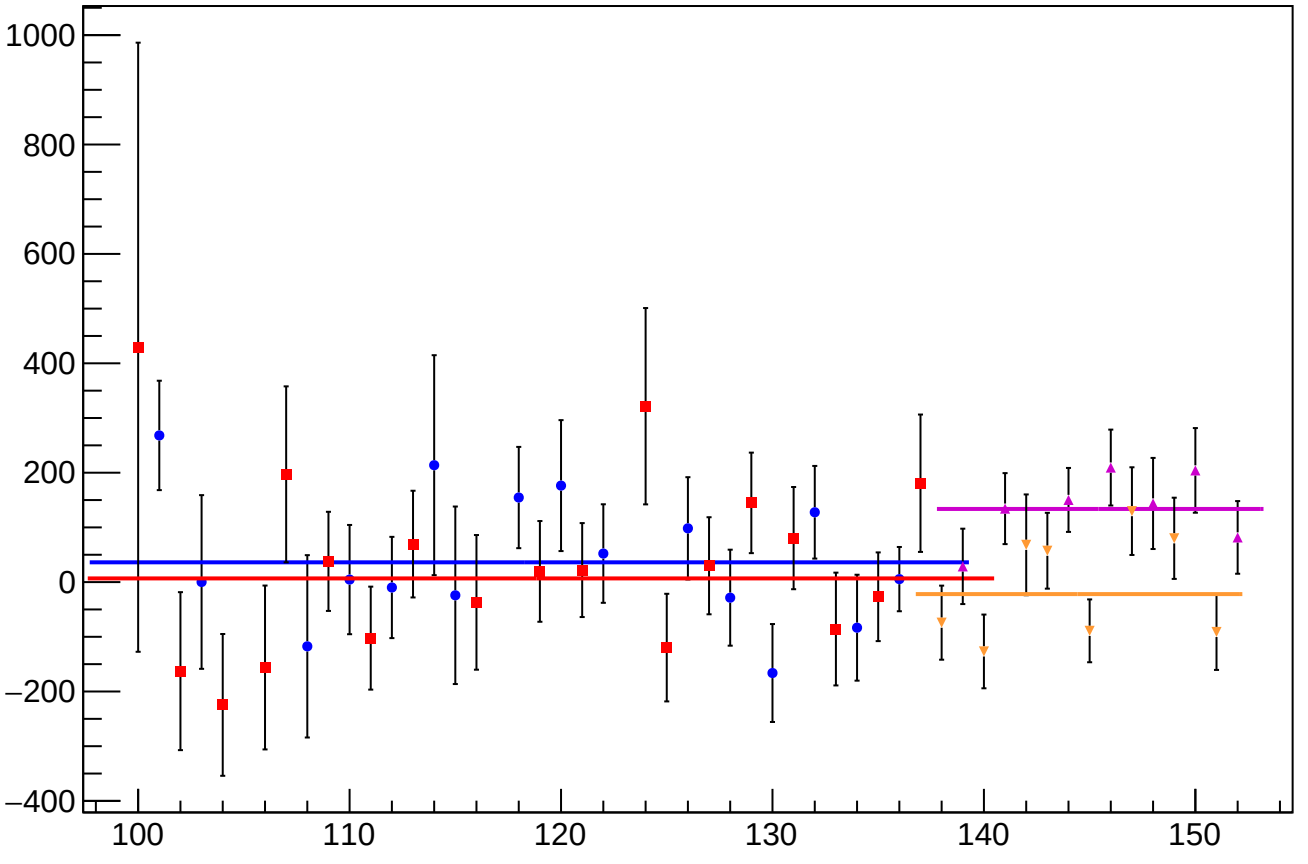
Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 365.110+/-0.105 χ^2/NDF:149771.0/6

\+ sign 402.730+/-0.081 χ^2/NDF: 1739021.4/23

All: 407.513+/-0.057 χ^2/NDF: 3292298.7/49

\- sign 412.446+/-0.082 χ^2/NDF: 1546123.3/25



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -21.925+/-24.907 χ^2/NDF:13.1/7

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

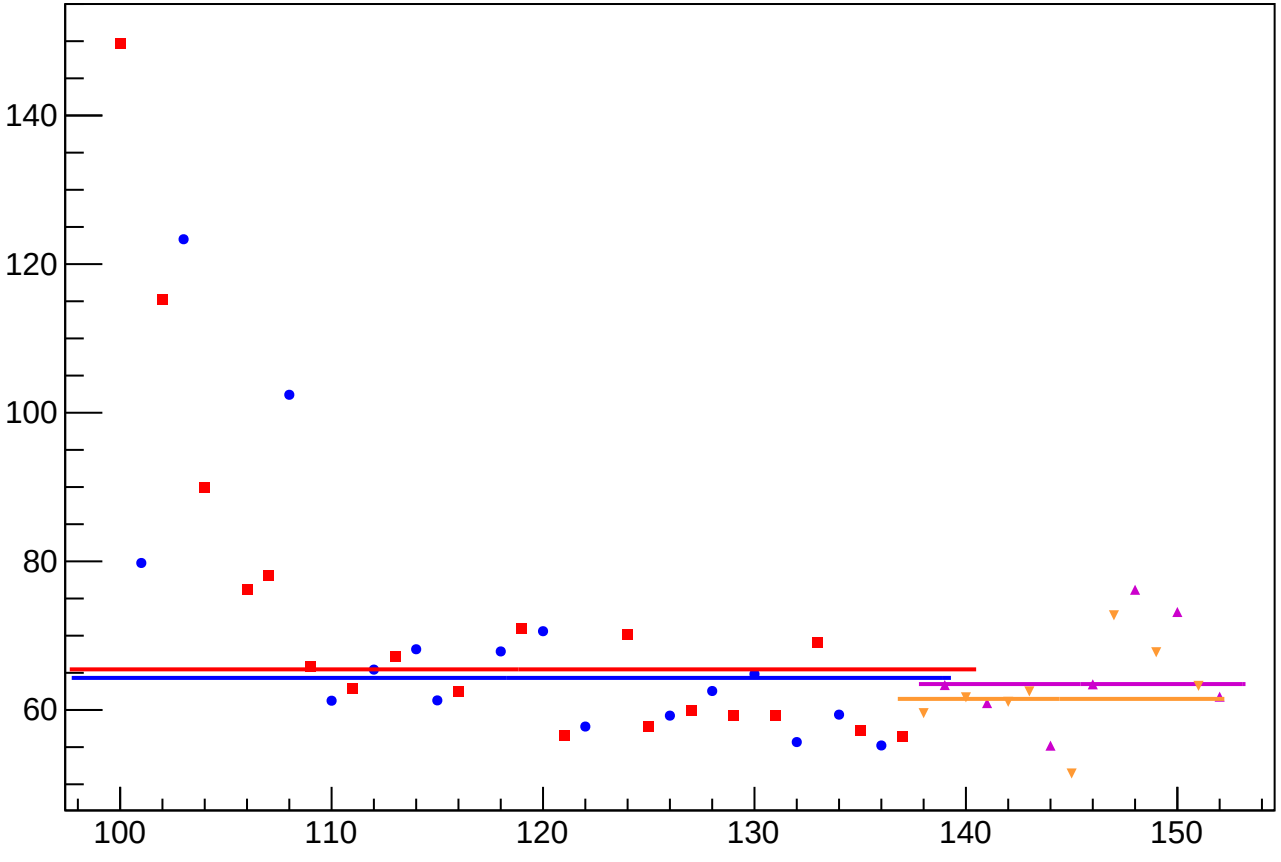
Left In: 133.738+/-25.940 χ^2/NDF:5.0/6

\+ sign 7.628+/-17.456 χ^2/NDF: 35.5/23

All: 36.567+/-12.475 χ^2/NDF: 79.2/49

\- sign 66.781+/-17.836 χ^2/NDF: 38.0/25

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.492+/-0.018 χ^2/NDF:118126.9/7

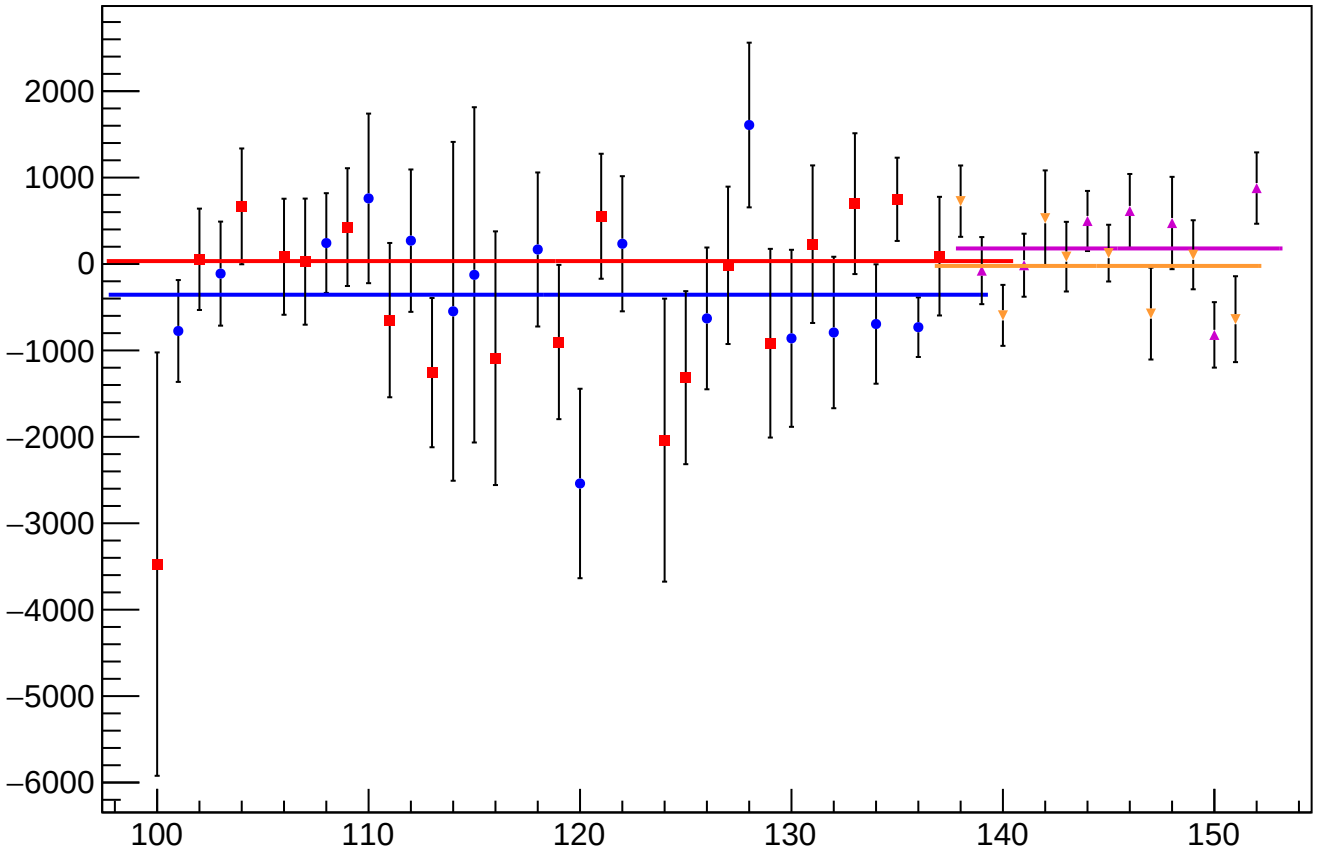
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.488+/-0.018 χ^2/NDF:122485.3/6

\+ sign 62.929+/-0.012 χ^2/NDF: 663277.6/23

All: 63.713+/-0.009 χ^2/NDF: 1282494.7/49

\- sign 64.531+/-0.013 χ^2/NDF: 610979.7/25



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -22.210+/-146.702 χ^2/NDF:9.9/7

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

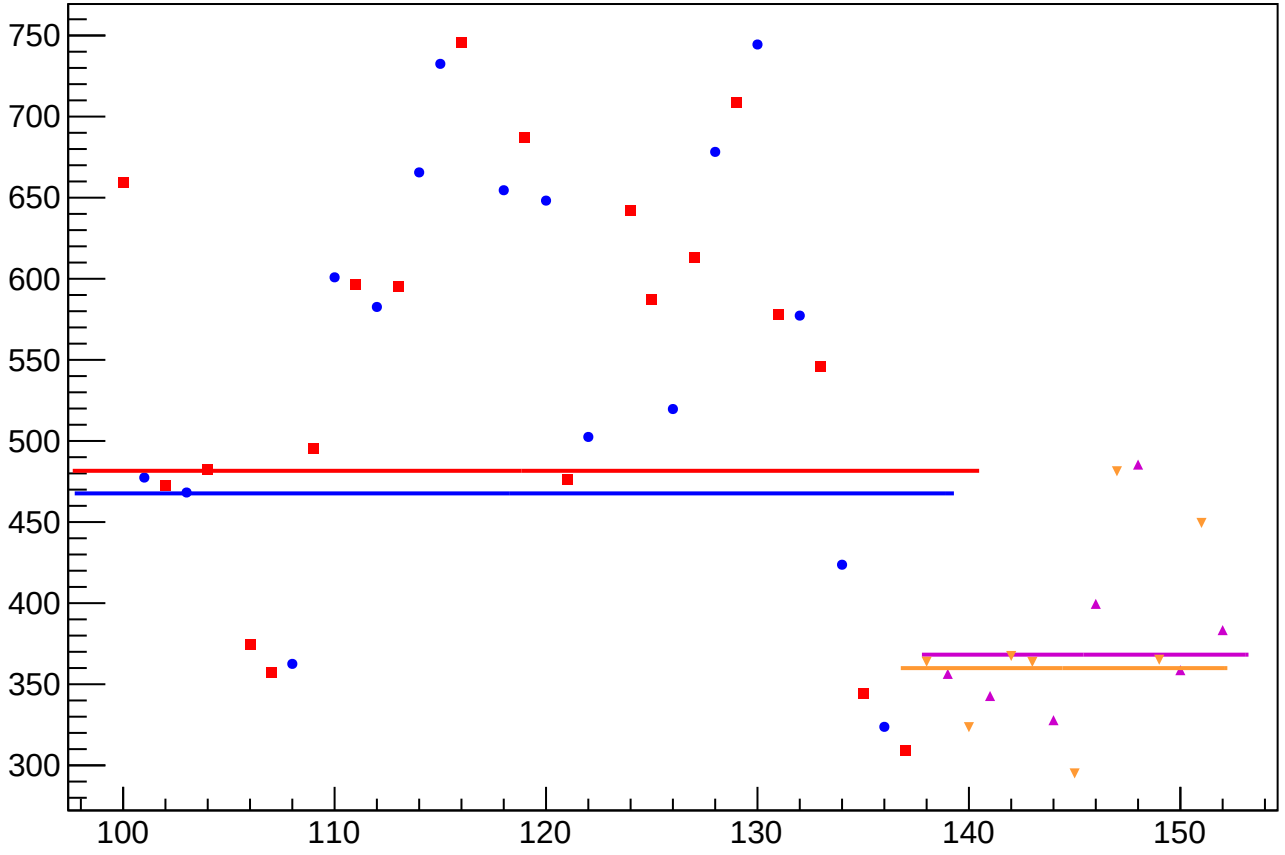
Left In: 179.951+/-150.361 χ^2/NDF:12.7/6

+ sign -154.949+/-113.802 χ^2/NDF: 26.8/23

All: -19.633+/-81.169 χ^2/NDF: 58.2/49

- sign 120.488+/-115.805 χ^2/NDF: 28.5/25

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 359.946+/-0.104 χ^2/NDF:269774.0/7

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

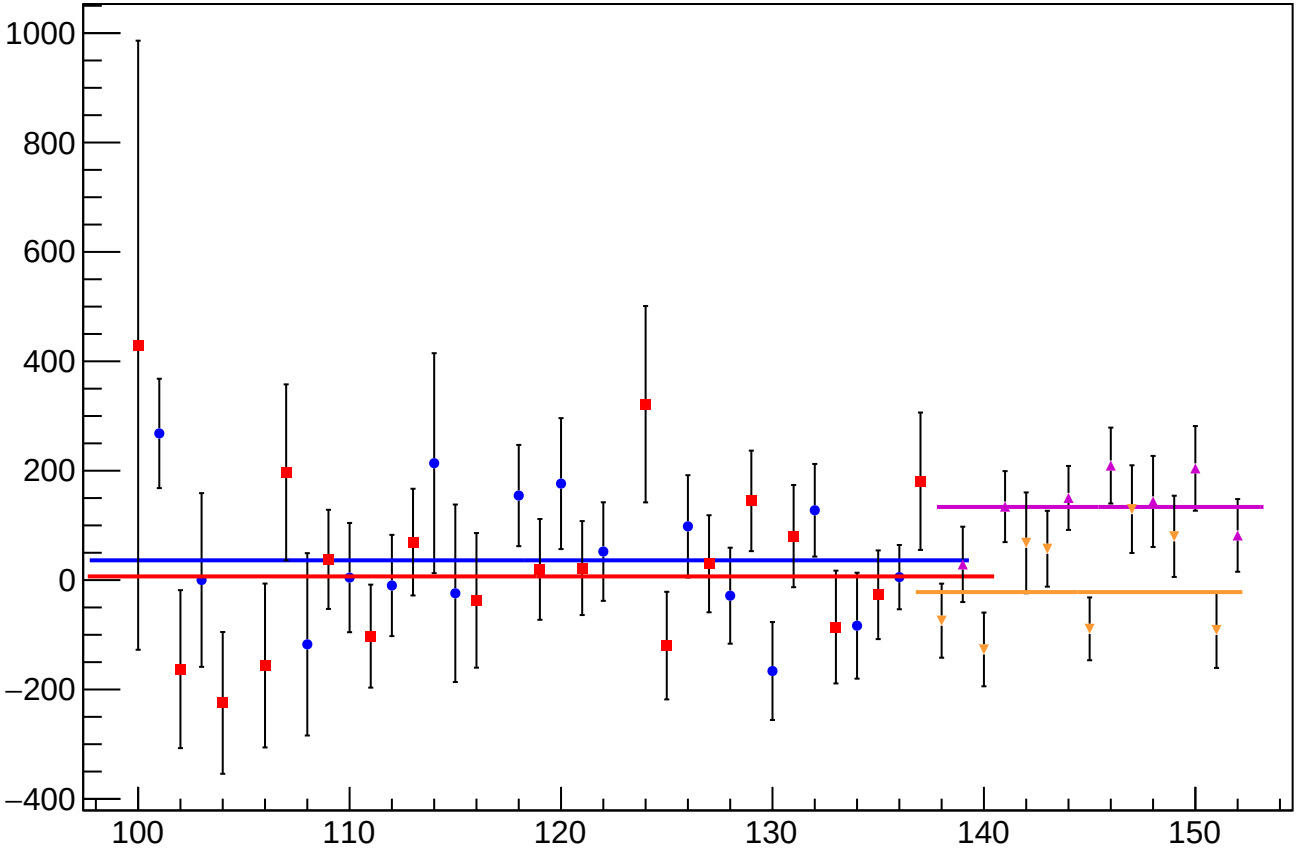
Left In: 368.240+/-0.106 χ^2/NDF:149565.2/6

+ sign 402.848+/-0.080 χ^2/NDF: 1685210.5/23

All: 408.502+/-0.057 χ^2/NDF: 3161576.7/49

- sign 414.358+/-0.082 χ^2/NDF: 1466315.1/25

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -21.924+/-24.907 χ^2/NDF:13.1/7

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

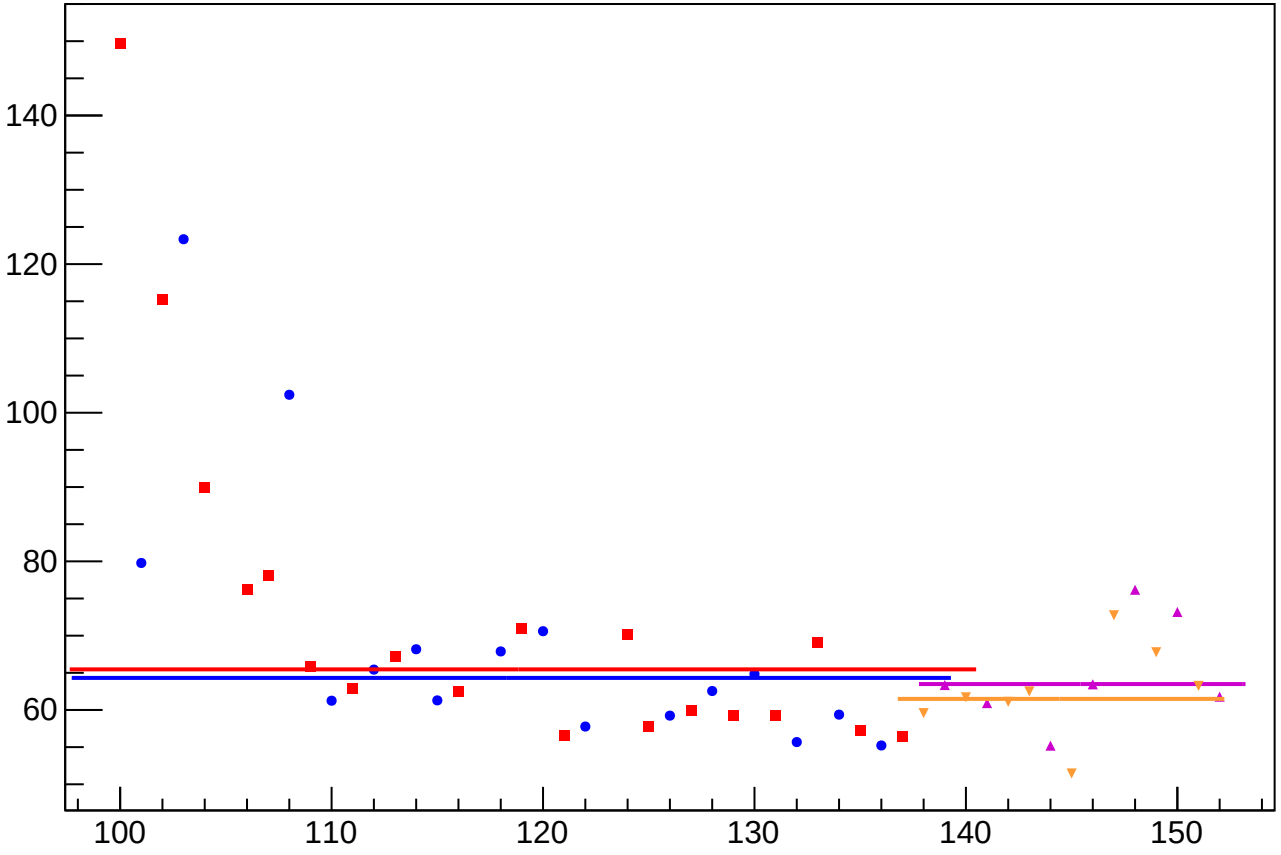
Left In: 133.738+/-25.940 χ^2/NDF:5.0/6

\+ sign 7.629+/-17.456 χ^2/NDF: 35.5/23

All: 36.567+/-12.475 χ^2/NDF: 79.2/49

\- sign 66.781+/-17.836 χ^2/NDF: 38.0/25

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.492+/-0.018 χ^2/NDF:118129.7/7

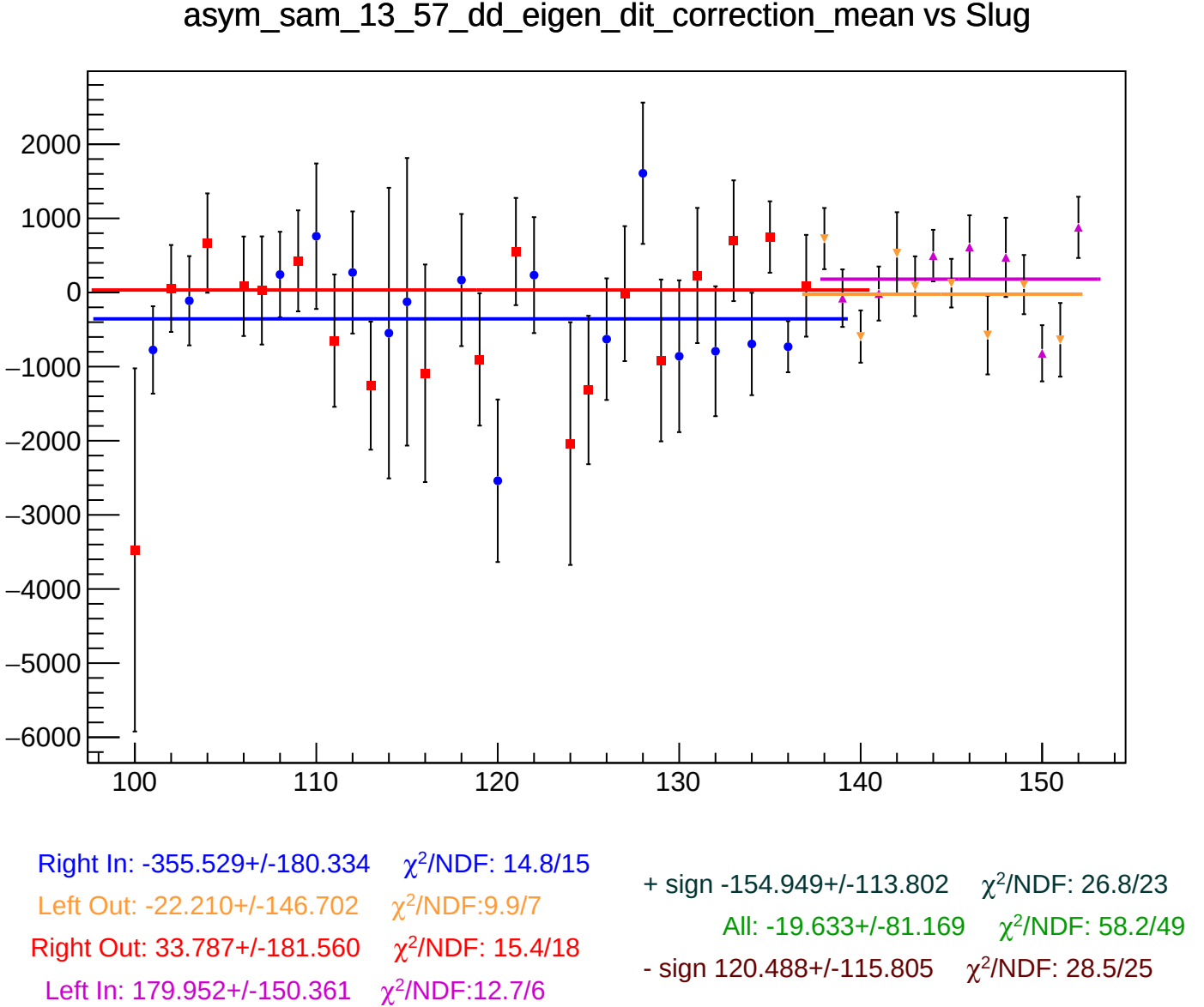
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.488+/-0.018 χ^2/NDF:122487.5/6

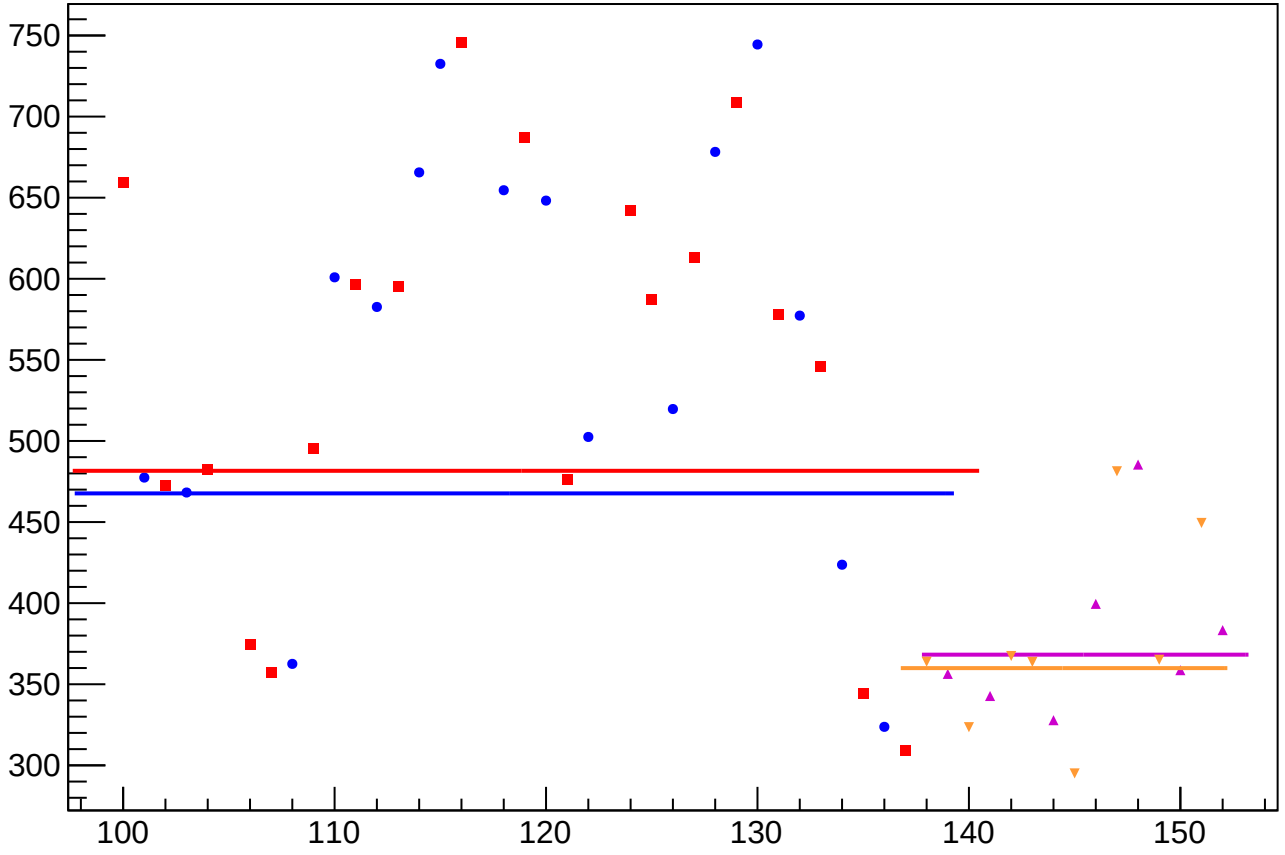
+ sign 62.929+/-0.012 χ^2/NDF: 663287.2/23

All: 63.713+/-0.009 χ^2/NDF: 1282511.6/49

- sign 64.531+/-0.013 χ^2/NDF: 610986.8/25


asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
Right In: -355.529+/-180.334 χ²/NDF: 14.8/15
Left Out: -22.210+/-146.702 χ²/NDF:9.9/7
Right Out: 33.787+/-181.560 χ²/NDF: 15.4/18
Left In: 179.952+/-150.361 χ²/NDF:12.7/6
+ sign -154.949+/-113.802 χ²/NDF: 26.8/23
All: -19.633+/-81.169 χ²/NDF: 58.2/49
- sign 120.488+/-115.805 χ²/NDF: 28.5/25

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: 359.947+/-0.104 χ^2/NDF:269773.3/7

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

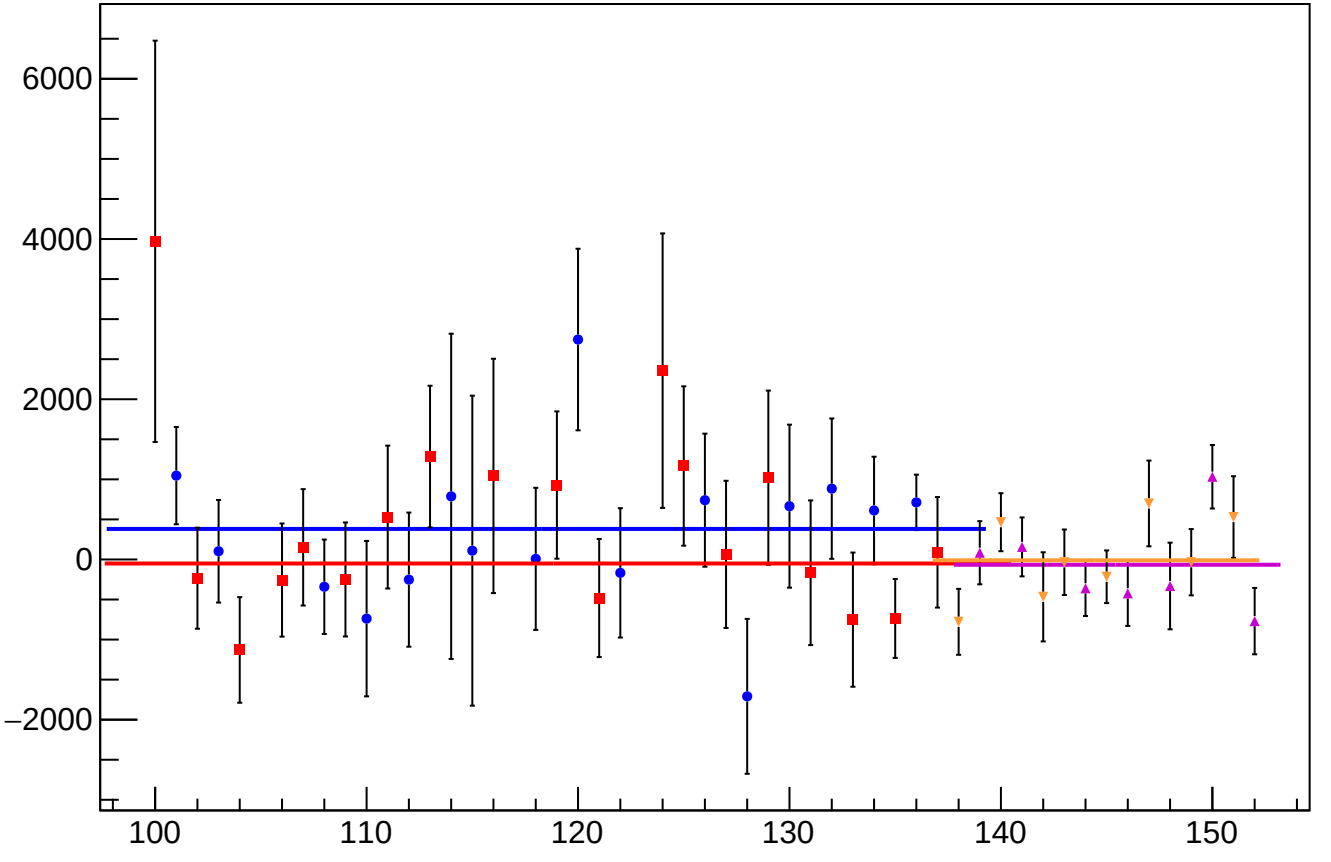
Left In: 368.240+/-0.106 χ^2/NDF:149564.8/6

\+ sign 402.847+/-0.080 χ^2/NDF: 1685206.1/23

All: 408.502+/-0.057 χ^2/NDF: 3161563.4/49

\- sign 414.358+/-0.082 χ^2/NDF: 1466306.1/25

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -10.708+/-148.781 χ^2/NDF:9.2/7

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

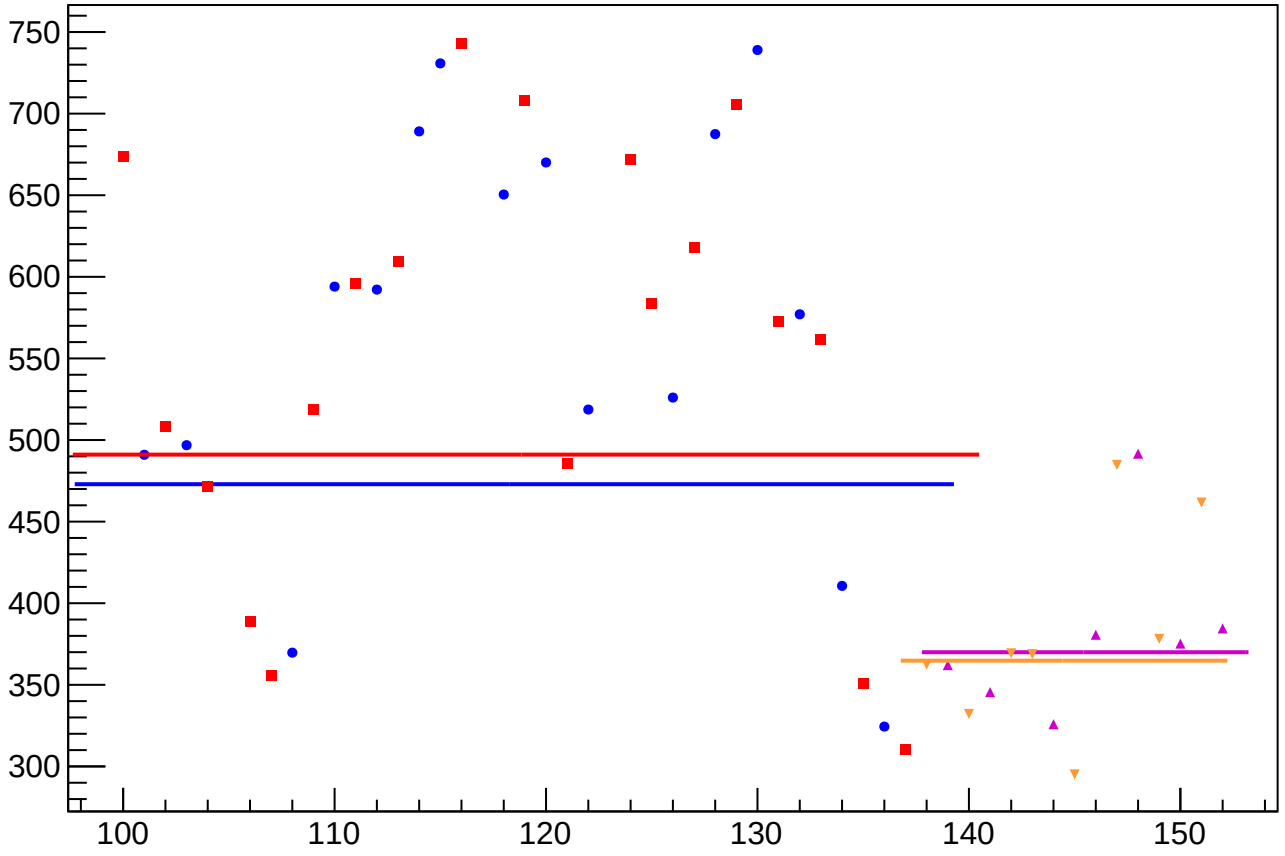
Left In: -66.070+/-151.039 χ^2/NDF:12.8/6

+ sign 145.560+/-115.356 χ^2/NDF: 28.1/23

All: 44.384+/-82.166 χ^2/NDF: 59.9/49

- sign -59.810+/-117.064 χ^2/NDF: 30.3/25

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 364.810+/-0.105 χ^2/NDF:281434.6/7

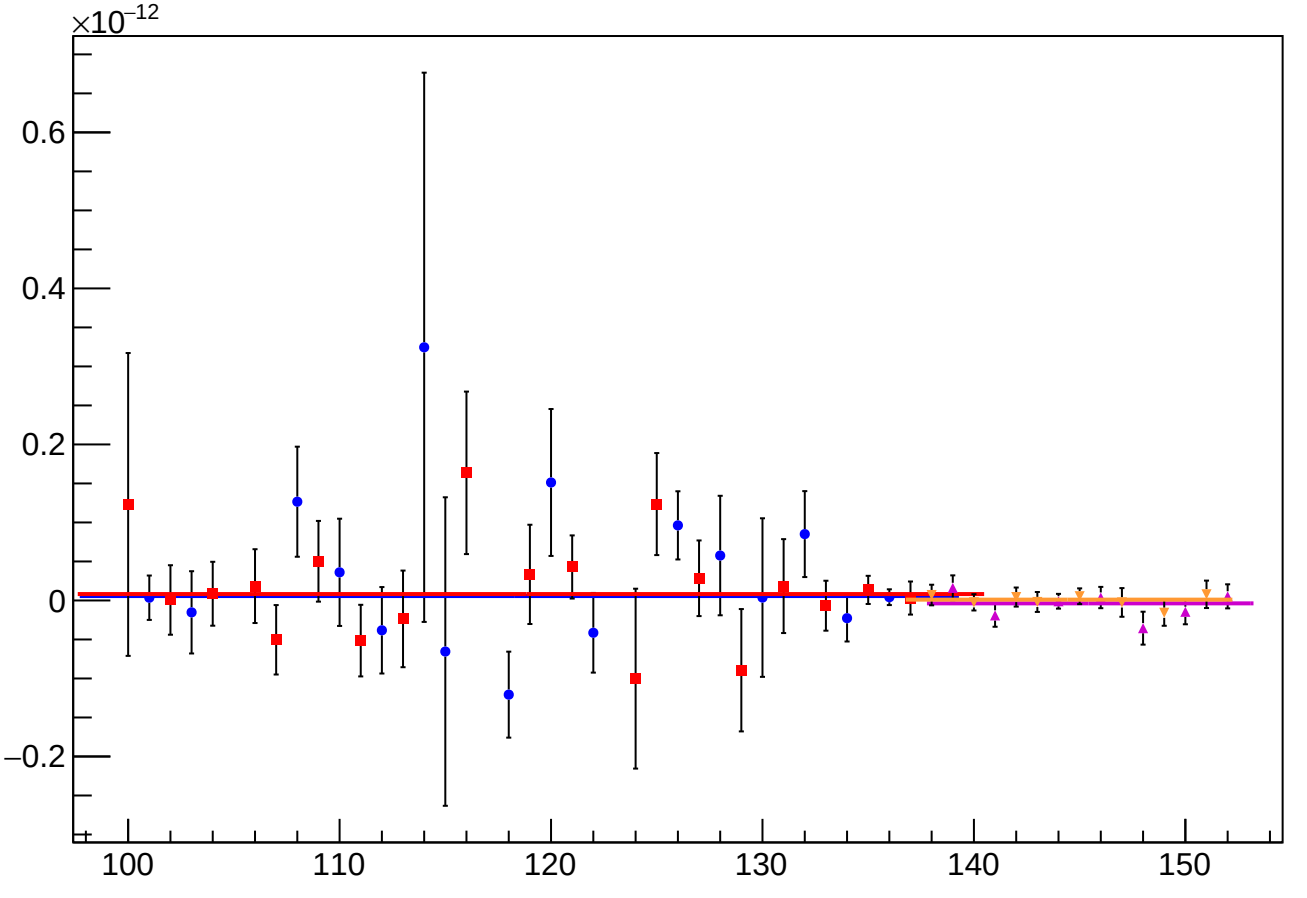
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 369.968+/-0.107 χ^2/NDF:147699.2/6

+ sign 407.932+/-0.082 χ^2/NDF: 1702934.8/23

All: 413.049+/-0.058 χ^2/NDF: 3219428.4/49

- sign 418.319+/-0.083 χ^2/NDF: 1508504.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/7

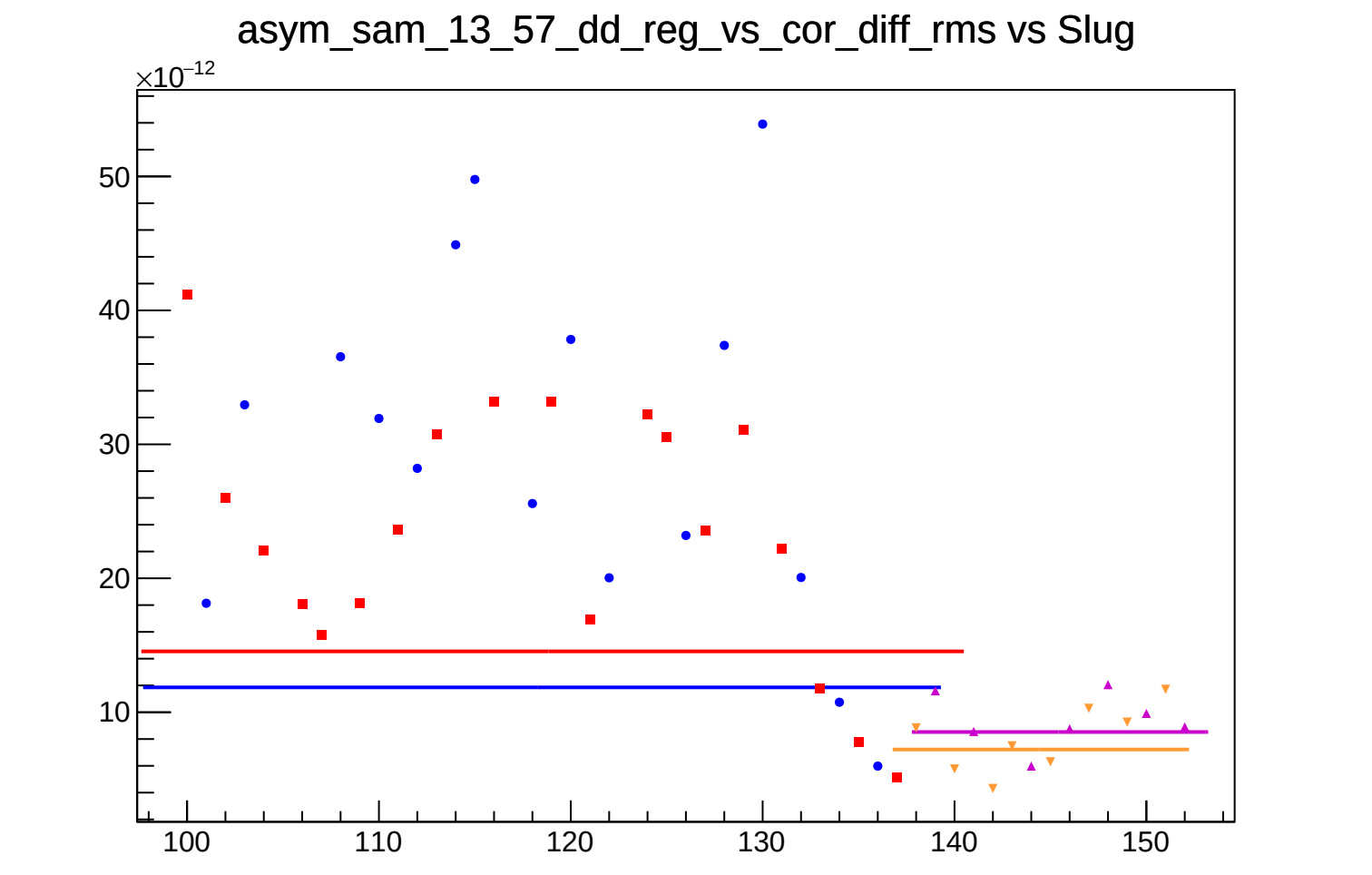
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/23

All: 0.000+/-0.000 χ^2/NDF: 44.8/49

- sign -0.000+/-0.000 χ^2/NDF: 21.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:416160.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

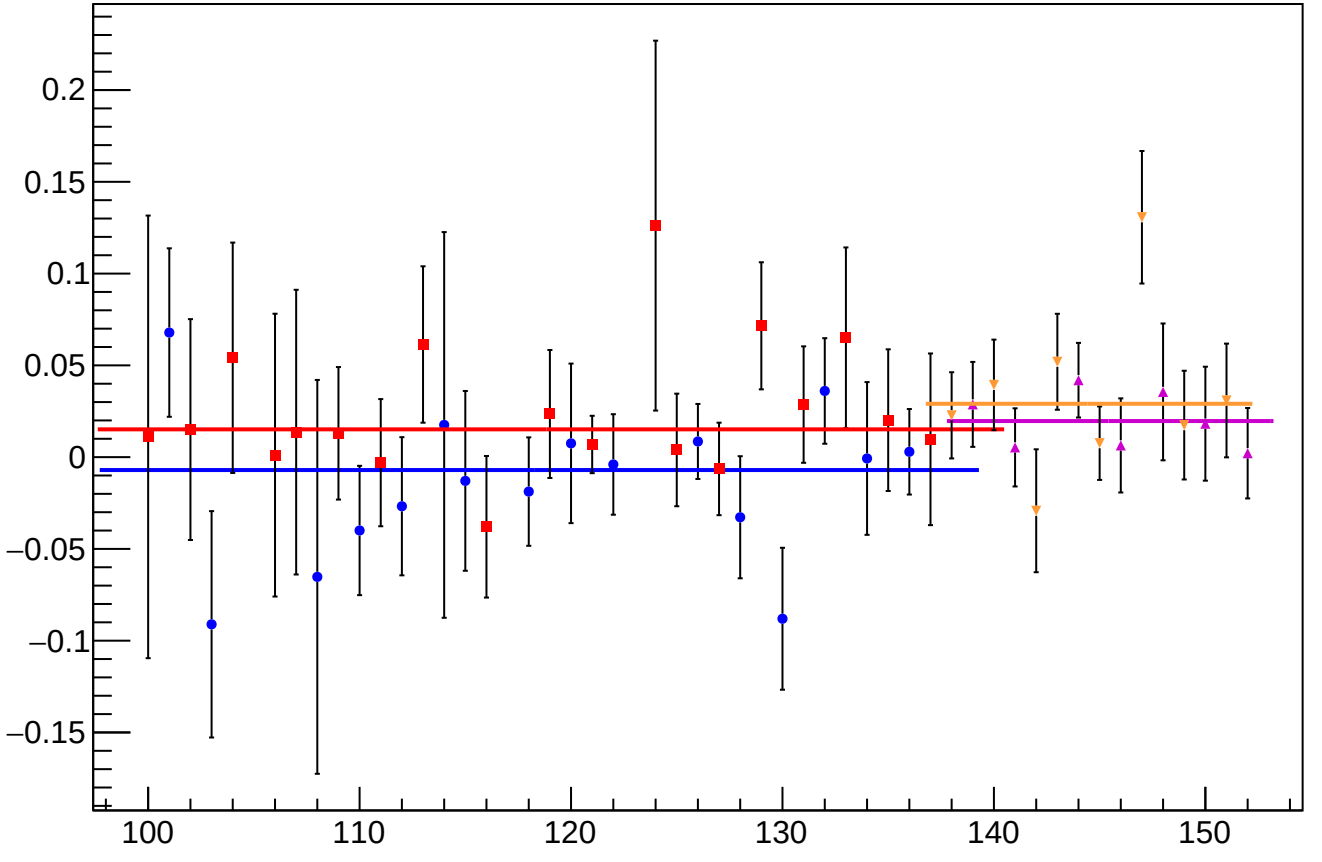
Left In: 0.000+/-0.000 χ^2/NDF:291269.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 3759685.1/23

All: 0.000+/-0.000 χ^2/NDF: 6601124.6/49

- sign 0.000+/-0.000 χ^2/NDF: 2693668.8/25

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+/-0.009 χ^2/NDF:13.3/7

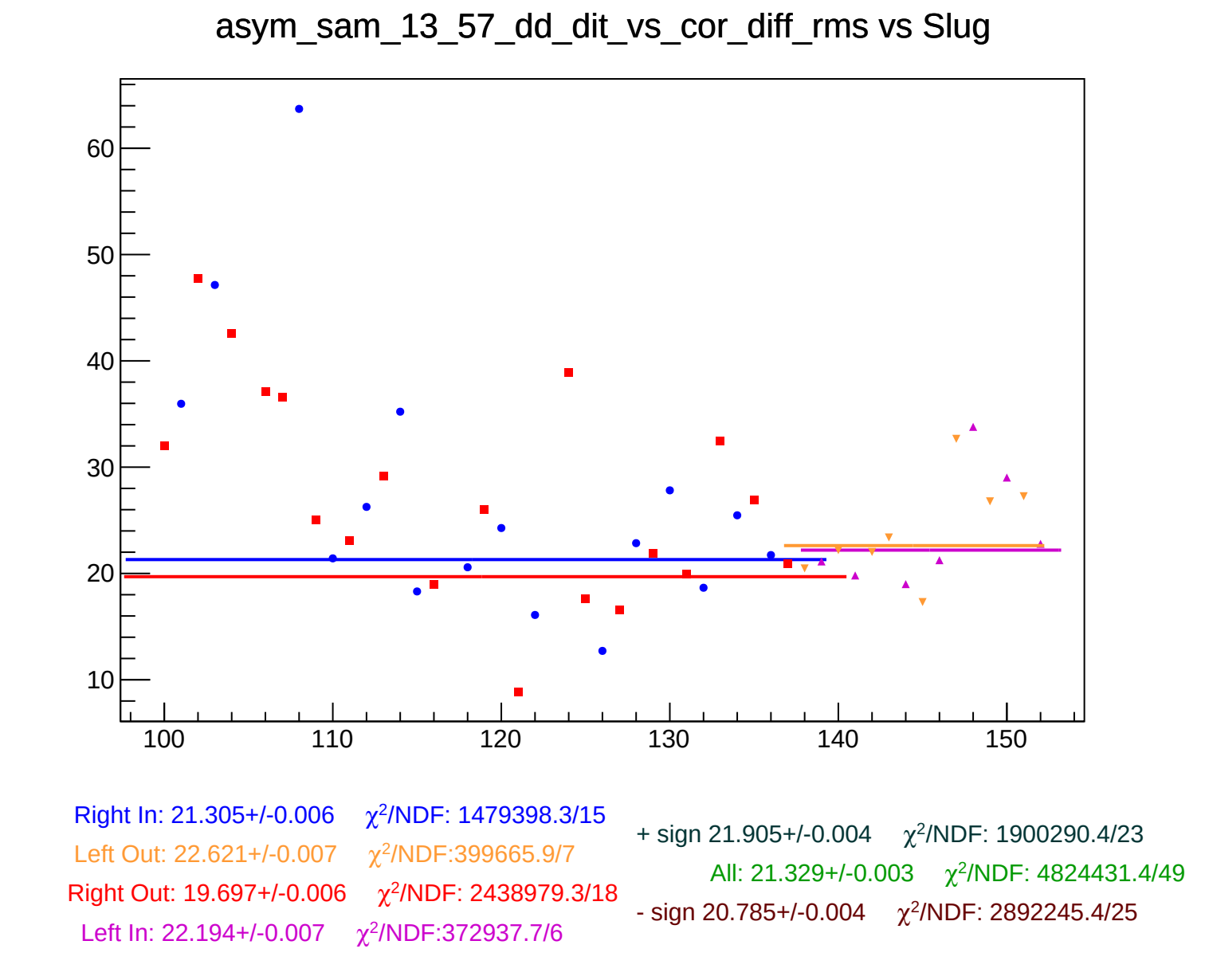
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.020+/-0.009 χ^2/NDF:2.8/6

+ sign 0.009+/-0.006 χ^2/NDF: 35.6/23

All: 0.013+/-0.004 χ^2/NDF: 49.3/49

- sign 0.017+/-0.006 χ^2/NDF: 13.0/25


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug
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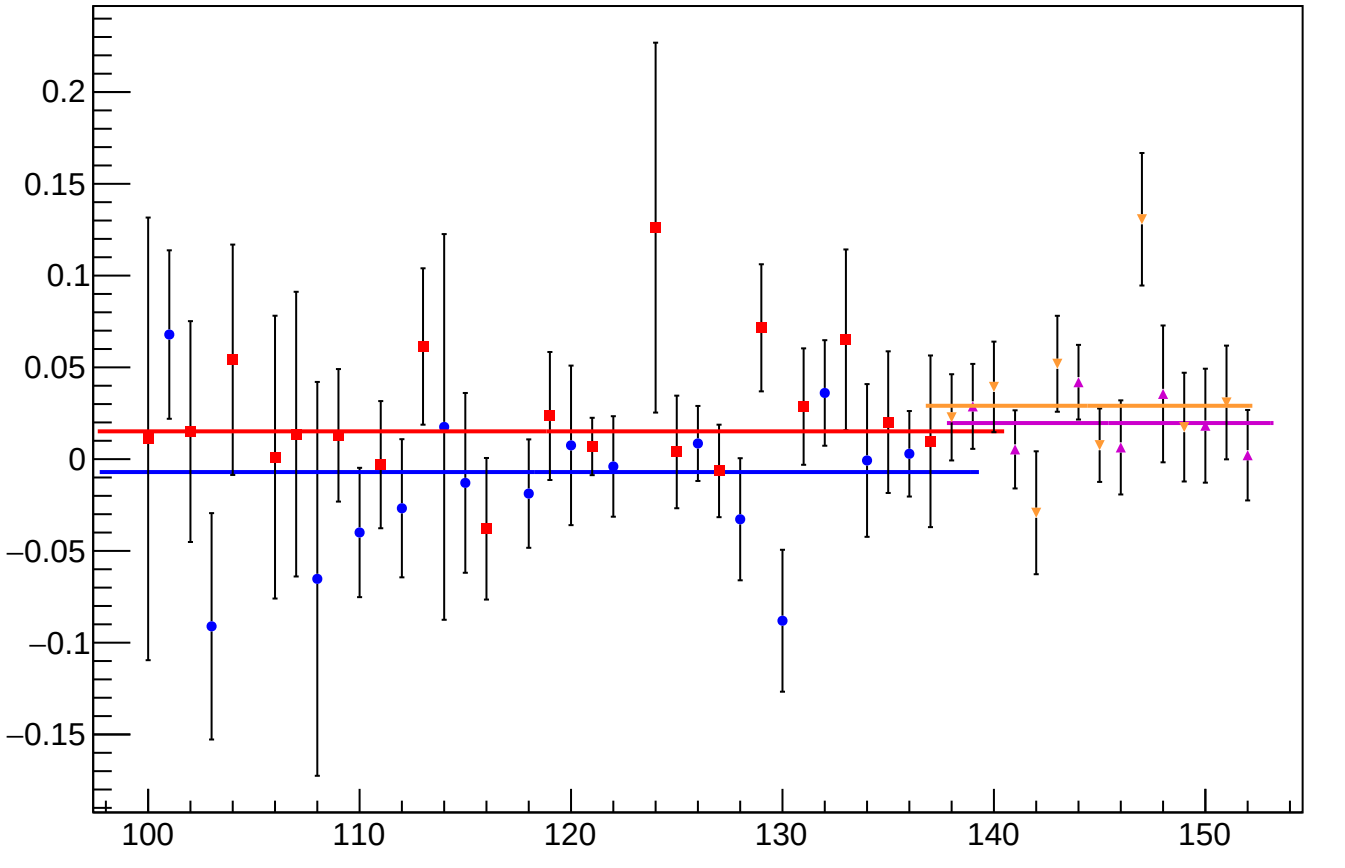
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 22.621+/-0.007 χ²/NDF:399665.9/7
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 22.194+/-0.007 χ²/NDF:372937.7/6
+ sign 21.905+/-0.004 χ²/NDF: 1900290.4/23
All: 21.329+/-0.003 χ²/NDF: 4824431.4/49
- sign 20.785+/-0.004 χ²/NDF: 2892245.4/25



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.029+/-0.009 χ^2/NDF:13.3/7

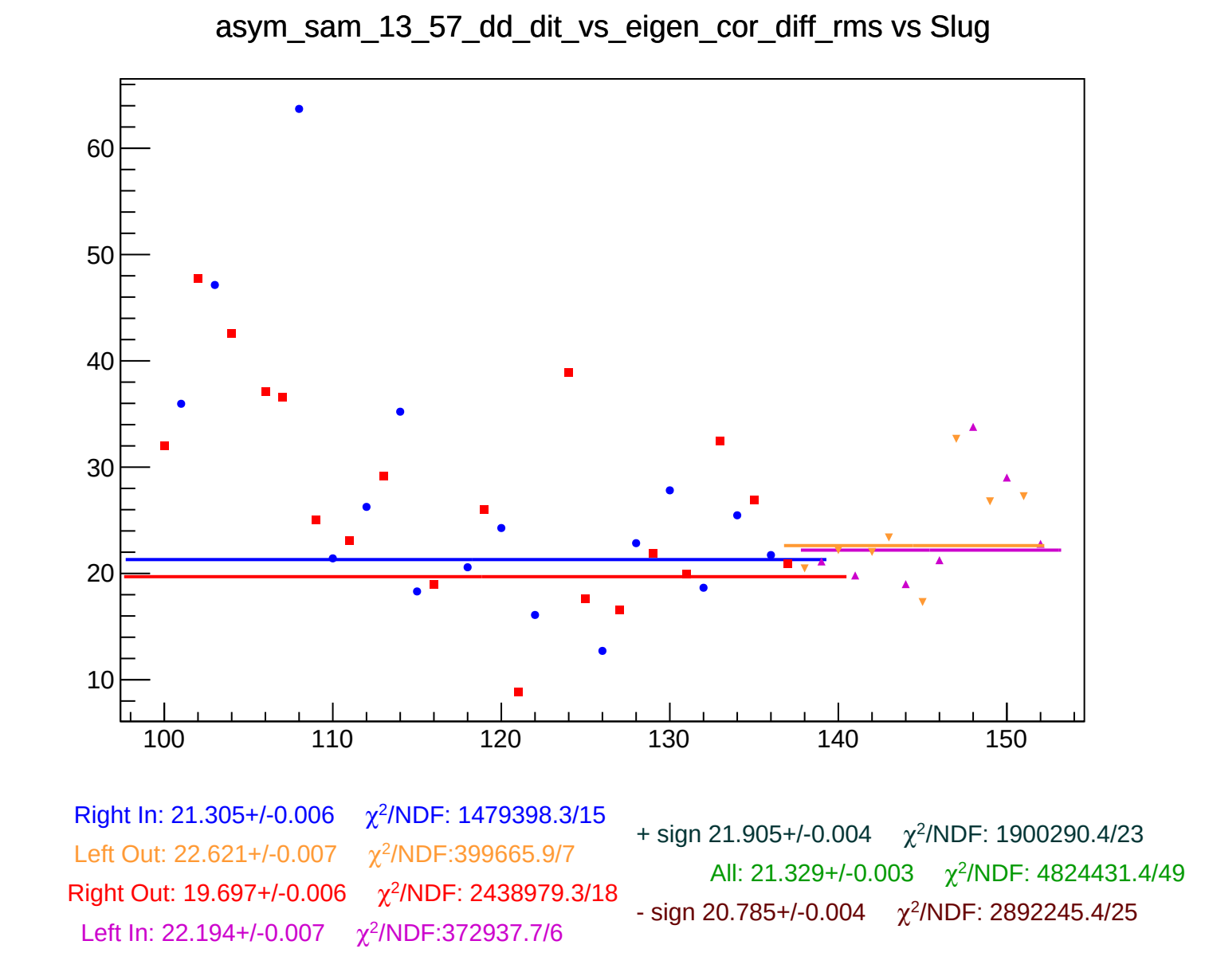
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.020+/-0.009 χ^2/NDF:2.8/6

+ sign 0.009+/-0.006 χ^2/NDF: 35.6/23

All: 0.013+/-0.004 χ^2/NDF: 49.3/49

- sign 0.017+/-0.006 χ^2/NDF: 13.0/25


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug
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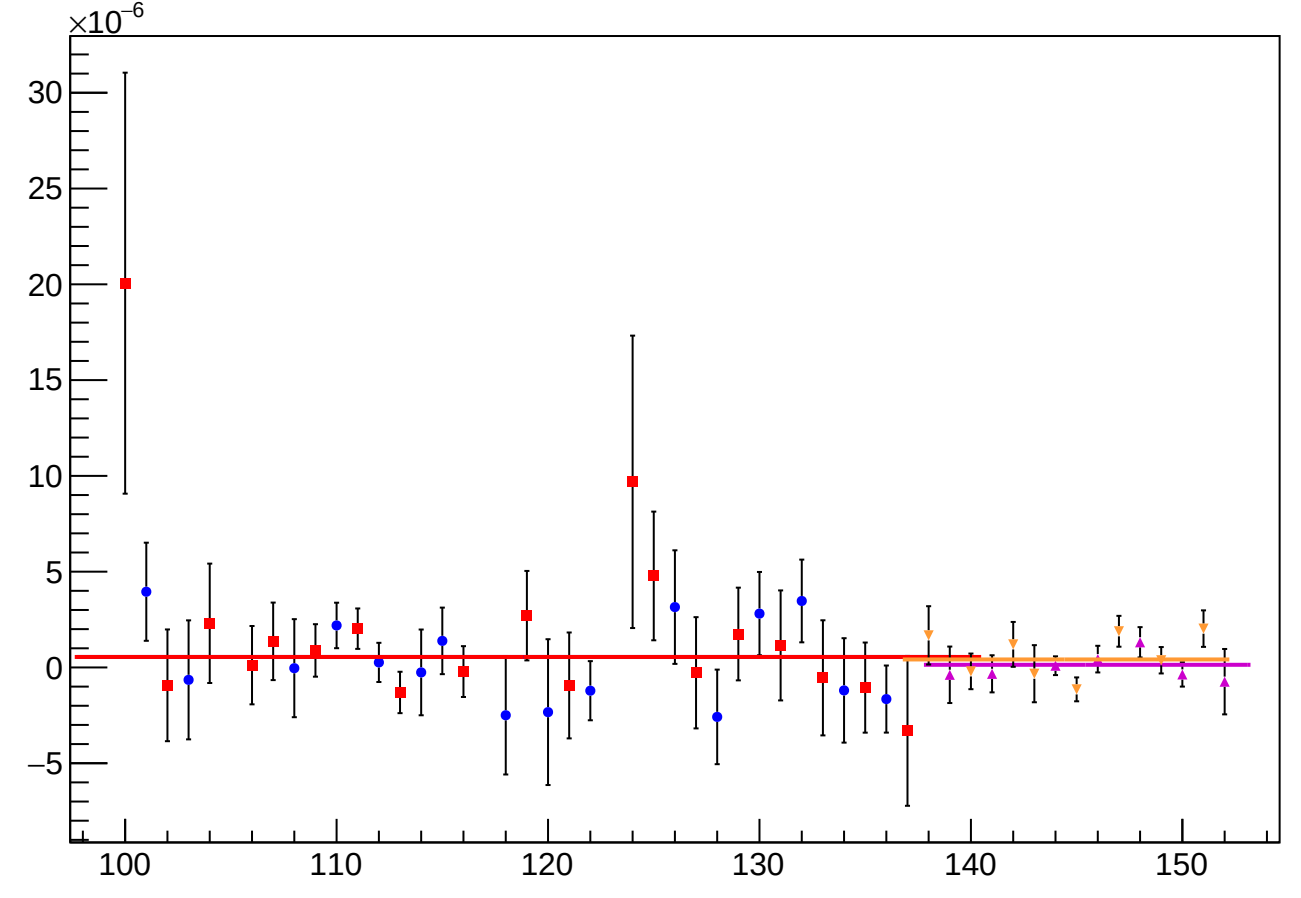
130
140
150
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 22.621+/-0.007 χ²/NDF:399665.9/7
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 22.194+/-0.007 χ²/NDF:372937.7/6
+ sign 21.905+/-0.004 χ²/NDF: 1900290.4/23
All: 21.329+/-0.003 χ²/NDF: 4824431.4/49
- sign 20.785+/-0.004 χ²/NDF: 2892245.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/7

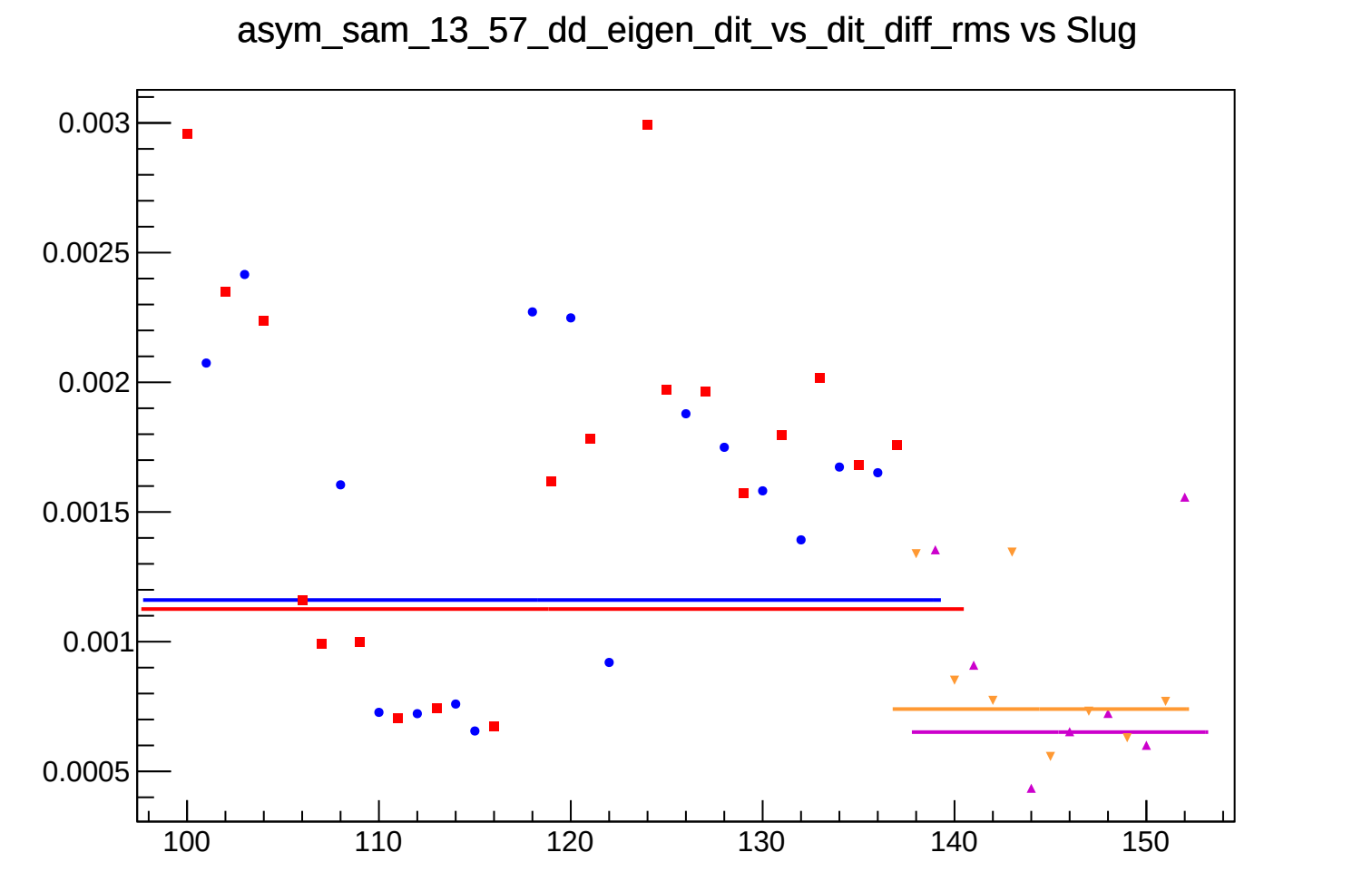
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

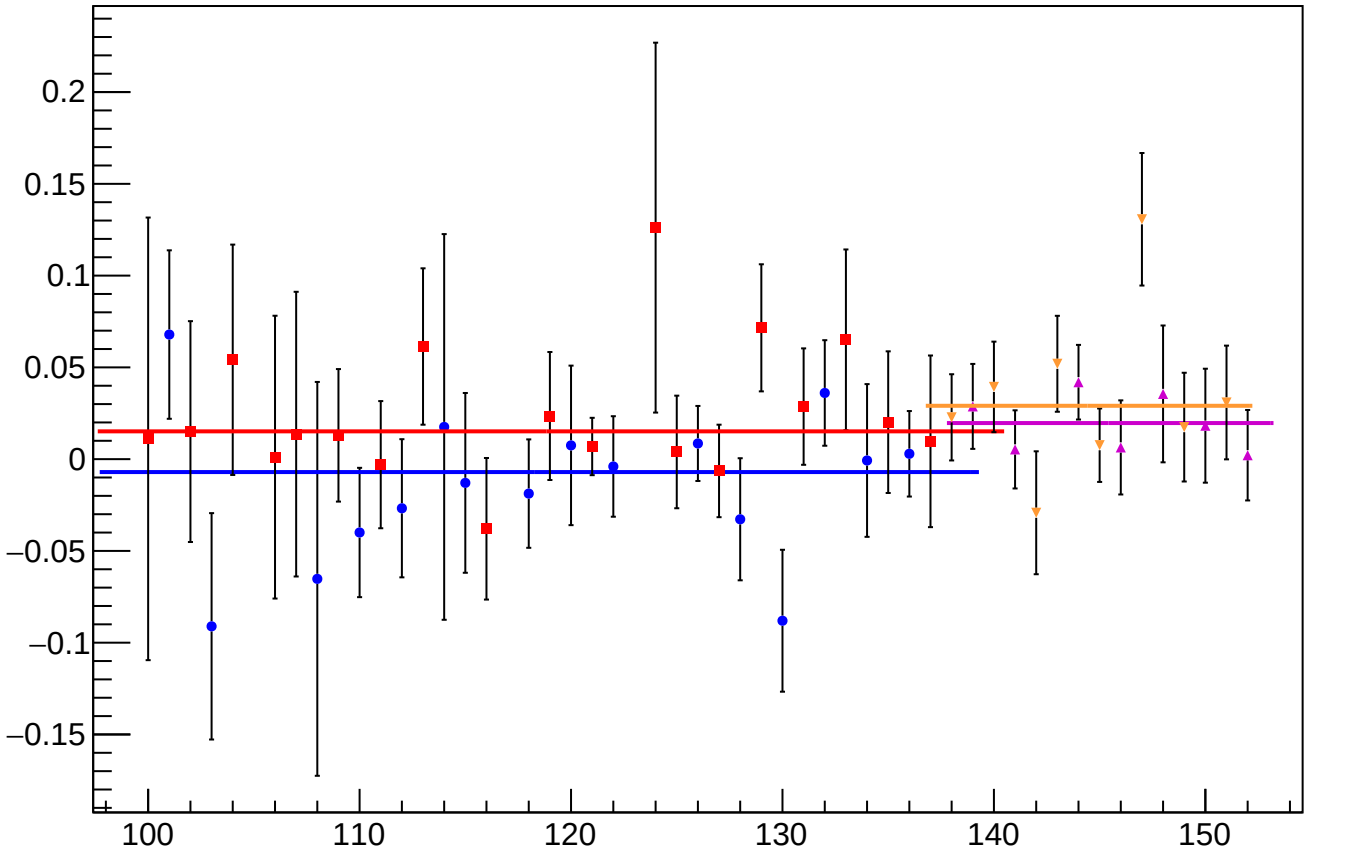
Left In: 0.000+/-0.000 χ^2/NDF:3.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 28.8/23

All: 0.000+/-0.000 χ^2/NDF: 48.7/49

- sign 0.000+/-0.000 χ^2/NDF: 19.6/25


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:894748.2/7
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:1581065.1/6
+ sign 0.001+/-0.000 χ²/NDF: 4506420.7/23
All: 0.001+/-0.000 χ²/NDF: 10358453.2/49
- sign 0.001+/-0.000 χ²/NDF: 5745545.3/25



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.029+/-0.009 χ^2/NDF:13.3/7

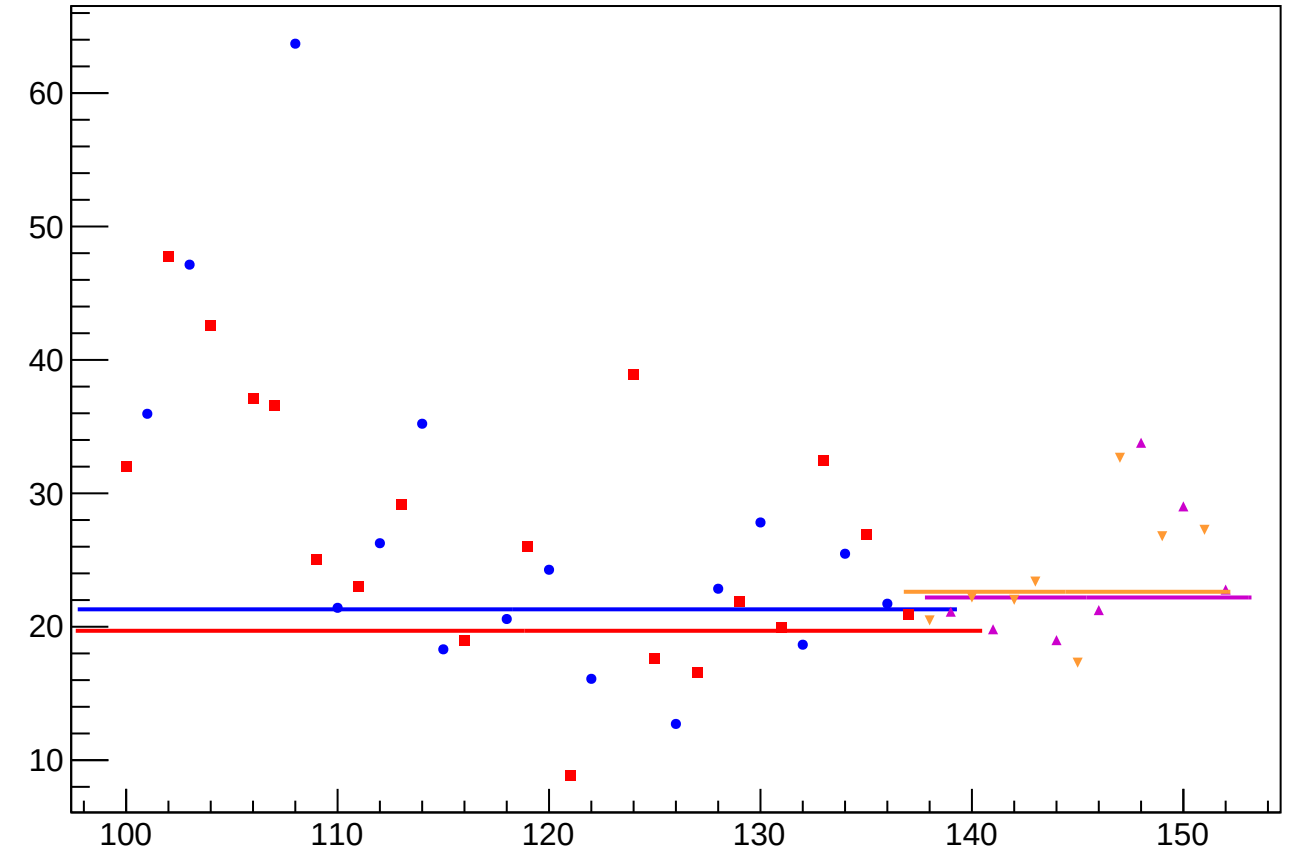
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.020+/-0.009 χ^2/NDF:2.8/6

+ sign 0.009+/-0.006 χ^2/NDF: 35.6/23

All: 0.013+/-0.004 χ^2/NDF: 49.3/49

- sign 0.017+/-0.006 χ^2/NDF: 13.0/25



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.621+/-0.007 χ^2/NDF:399698.4/7

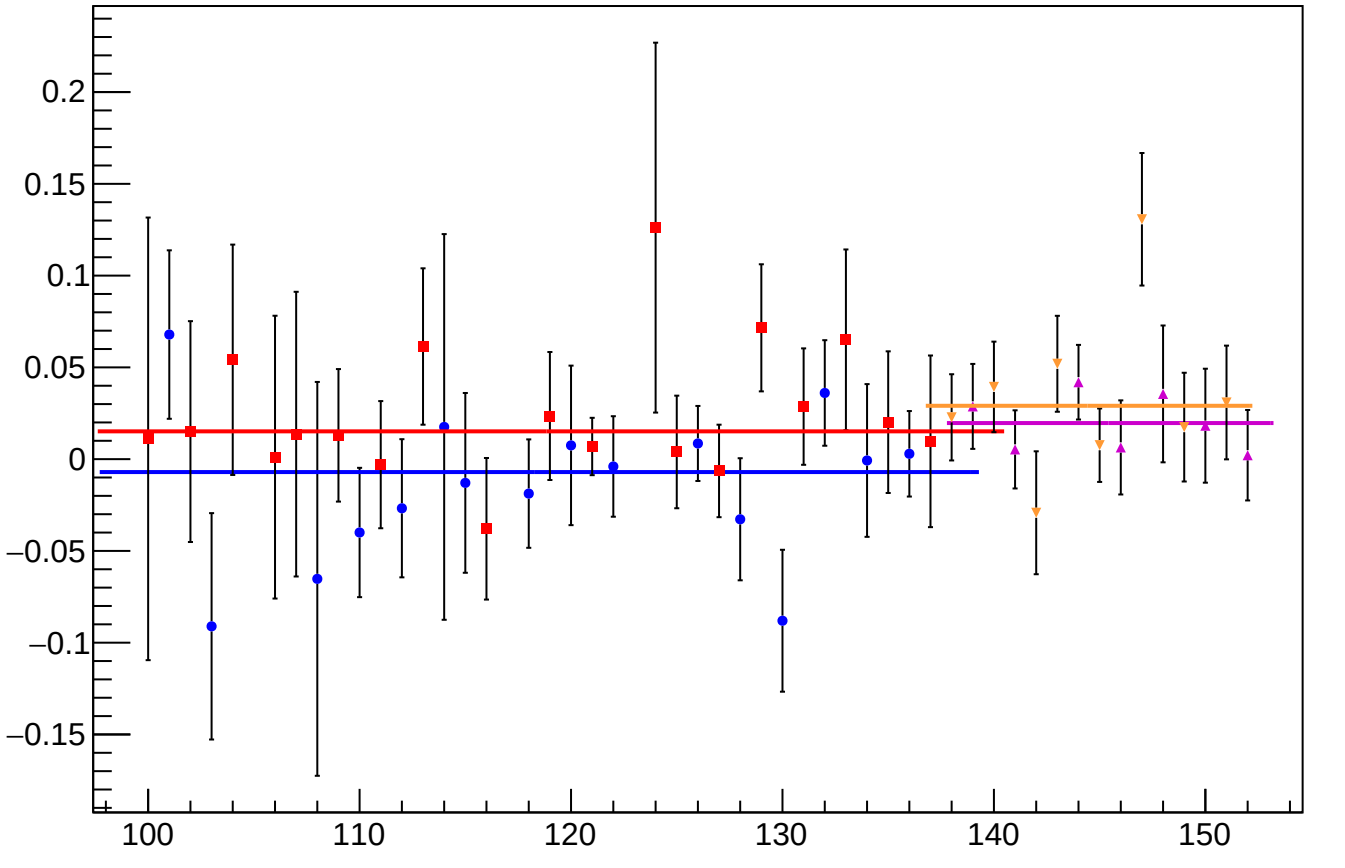
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.194+/-0.007 χ^2/NDF:372949.4/6

+ sign 21.905+/-0.004 χ^2/NDF: 1900150.7/23

All: 21.329+/-0.003 χ^2/NDF: 4823894.2/49

- sign 20.785+/-0.004 χ^2/NDF: 2891864.5/25



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.029+/-0.009 χ^2/NDF:13.3/7

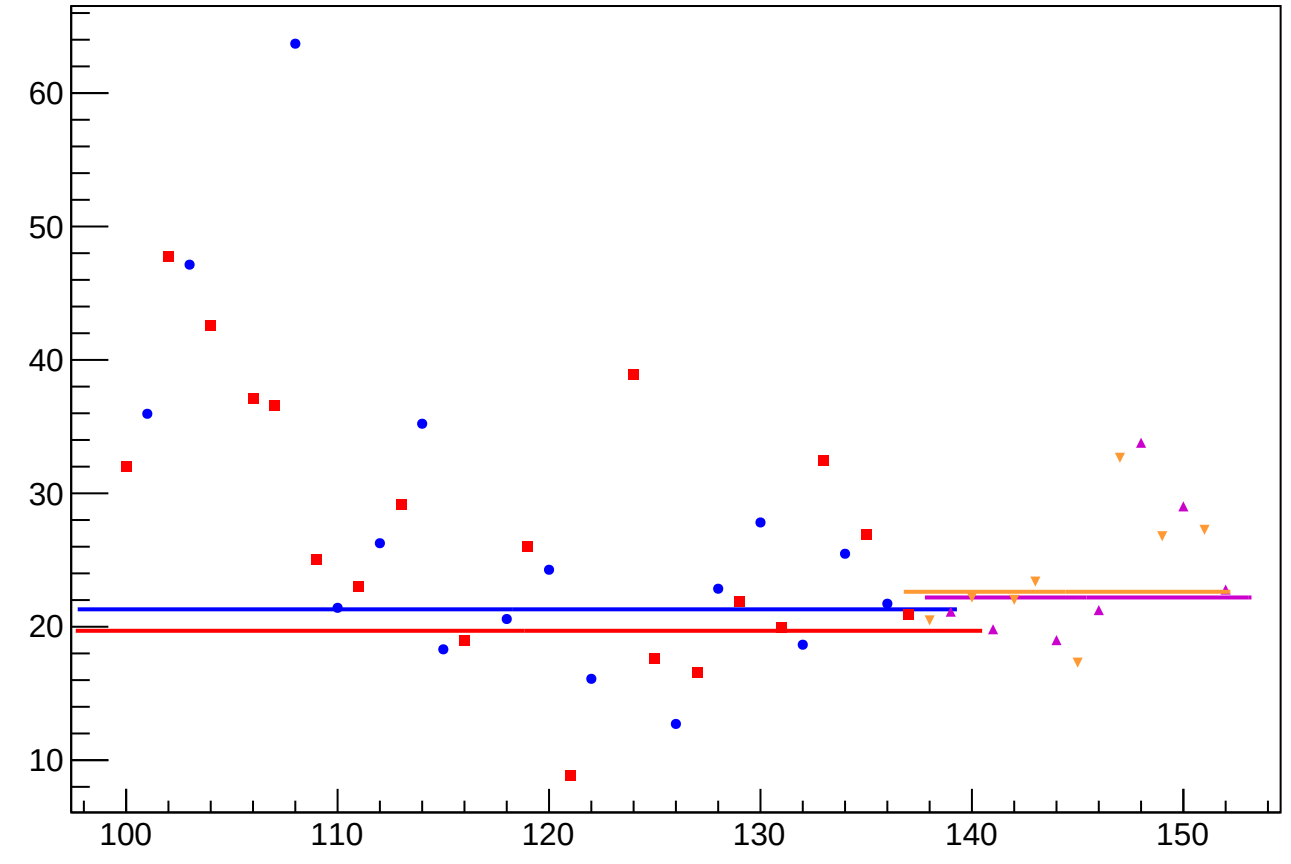
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.020+/-0.009 χ^2/NDF:2.8/6

+ sign 0.009+/-0.006 χ^2/NDF: 35.6/23

All: 0.013+/-0.004 χ^2/NDF: 49.3/49

- sign 0.017+/-0.006 χ^2/NDF: 13.0/25



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.621+/-0.007 χ^2/NDF:399698.4/7

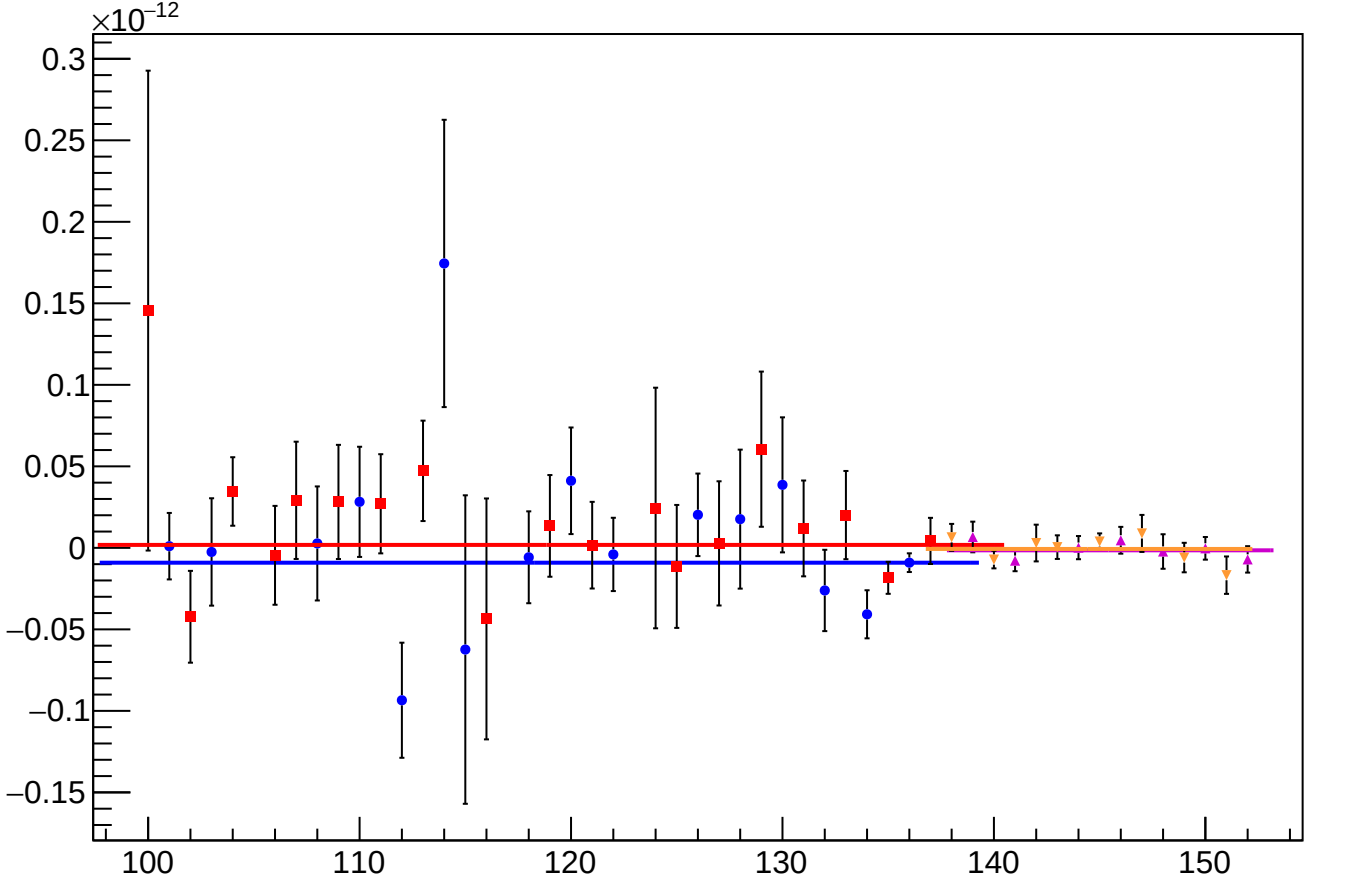
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.194+/-0.007 χ^2/NDF:372949.4/6

+ sign 21.905+/-0.004 χ^2/NDF: 1900150.7/23

All: 21.329+/-0.003 χ^2/NDF: 4823894.2/49

- sign 20.785+/-0.004 χ^2/NDF: 2891864.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/7

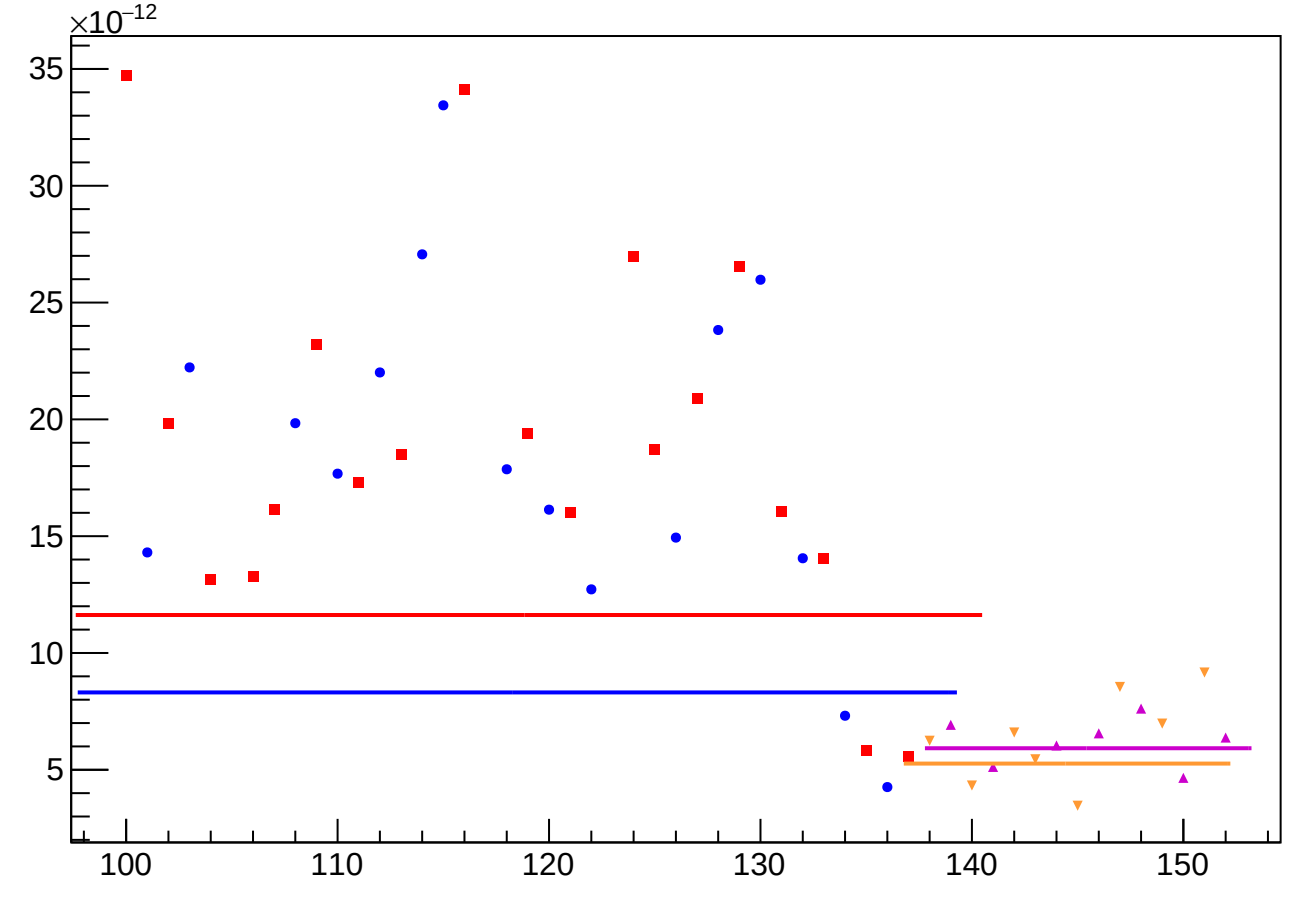
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/23

All: -0.000+/-0.000 χ^2/NDF: 51.8/49

- sign -0.000+/-0.000 χ^2/NDF: 20.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:847291.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

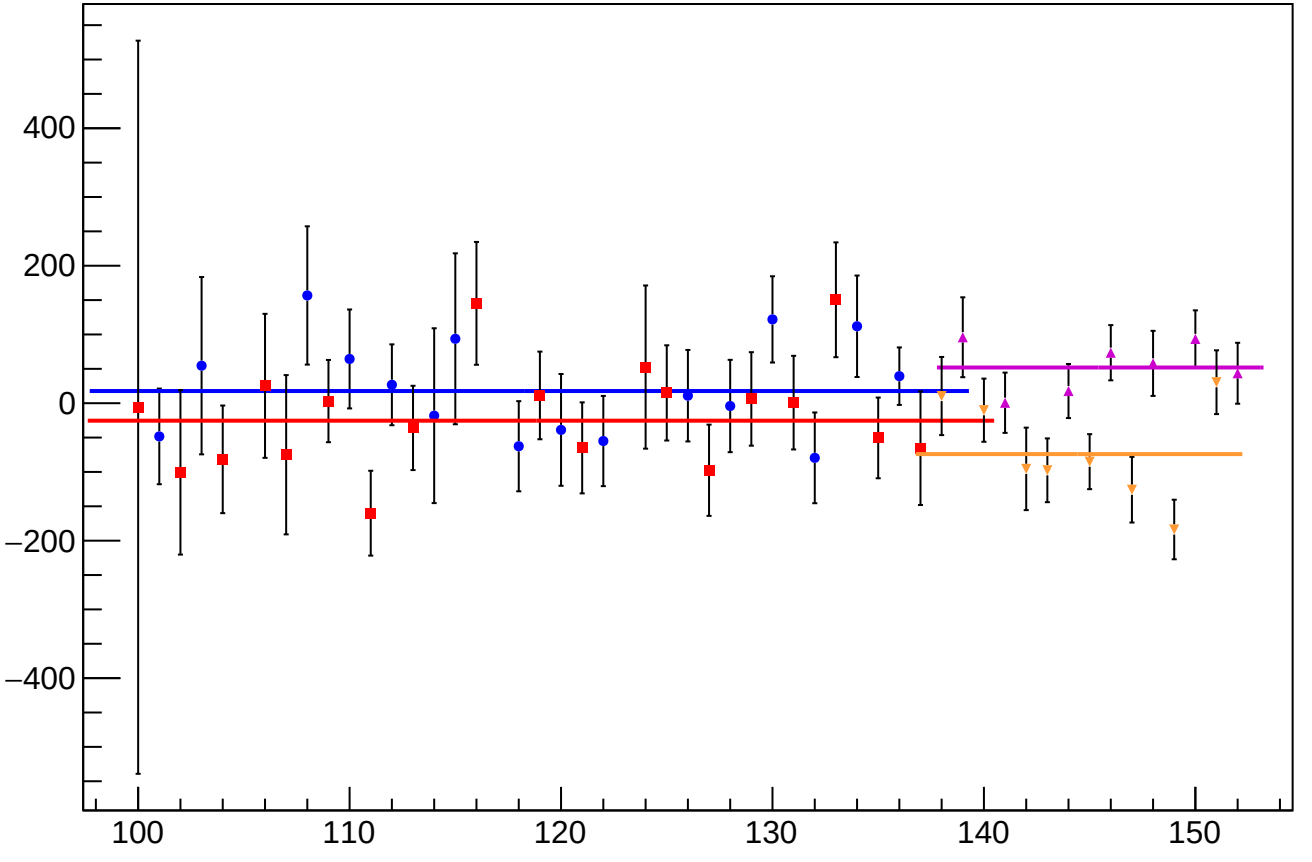
Left In: 0.000+/-0.000 χ^2/NDF:189975.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 5261897.2/23

All: 0.000+/-0.000 χ^2/NDF: 9844053.7/49

- sign 0.000+/-0.000 χ^2/NDF: 4385442.3/25

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -74.045+/-16.700 χ^2/NDF:17.3/7

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

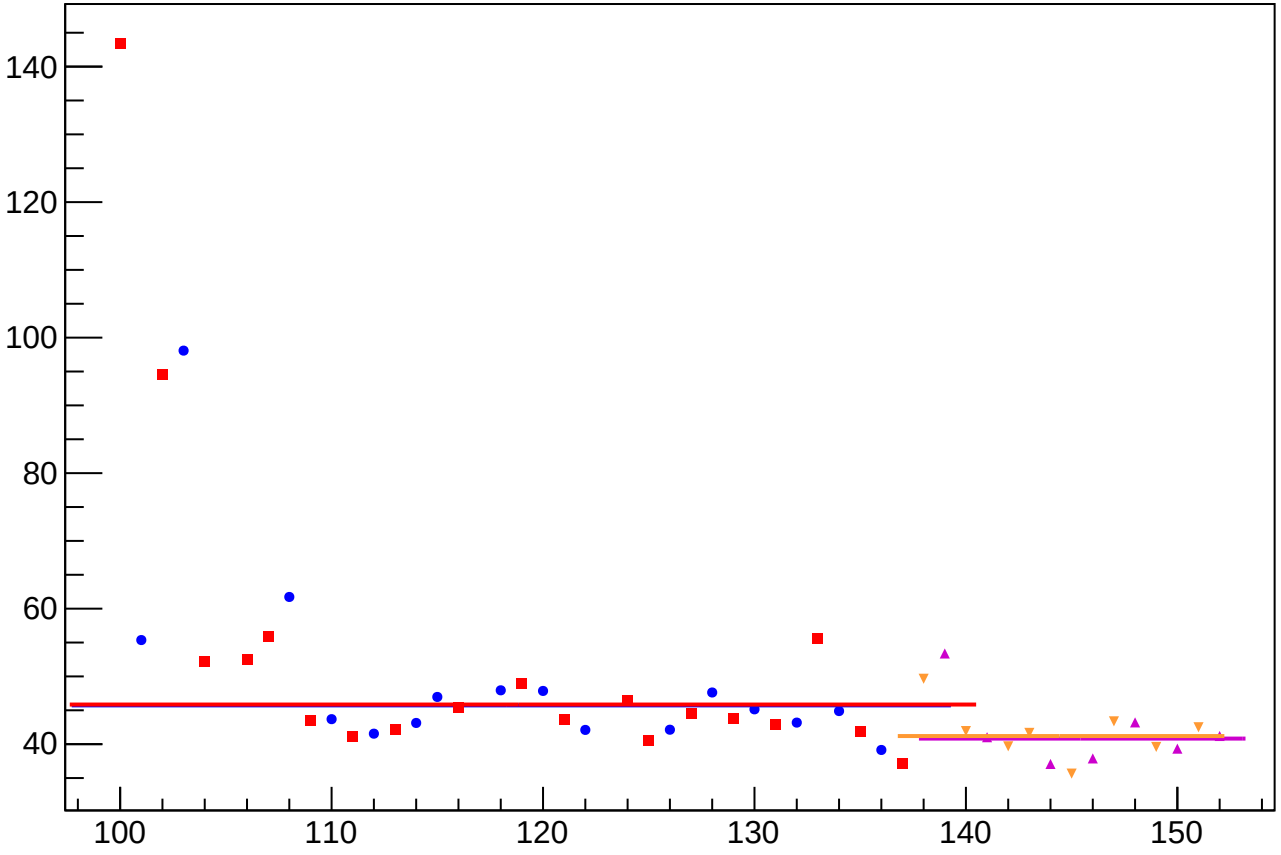
Left In: 51.940+/-16.629 χ^2/NDF:4.0/6

+ sign -30.239+/-12.072 χ^2/NDF: 45.6/23

All: -7.557+/-8.511 χ^2/NDF: 84.9/49

- sign 14.861+/-12.001 χ^2/NDF: 32.3/25

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.198+/-0.012 χ^2/NDF:93043.8/7

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

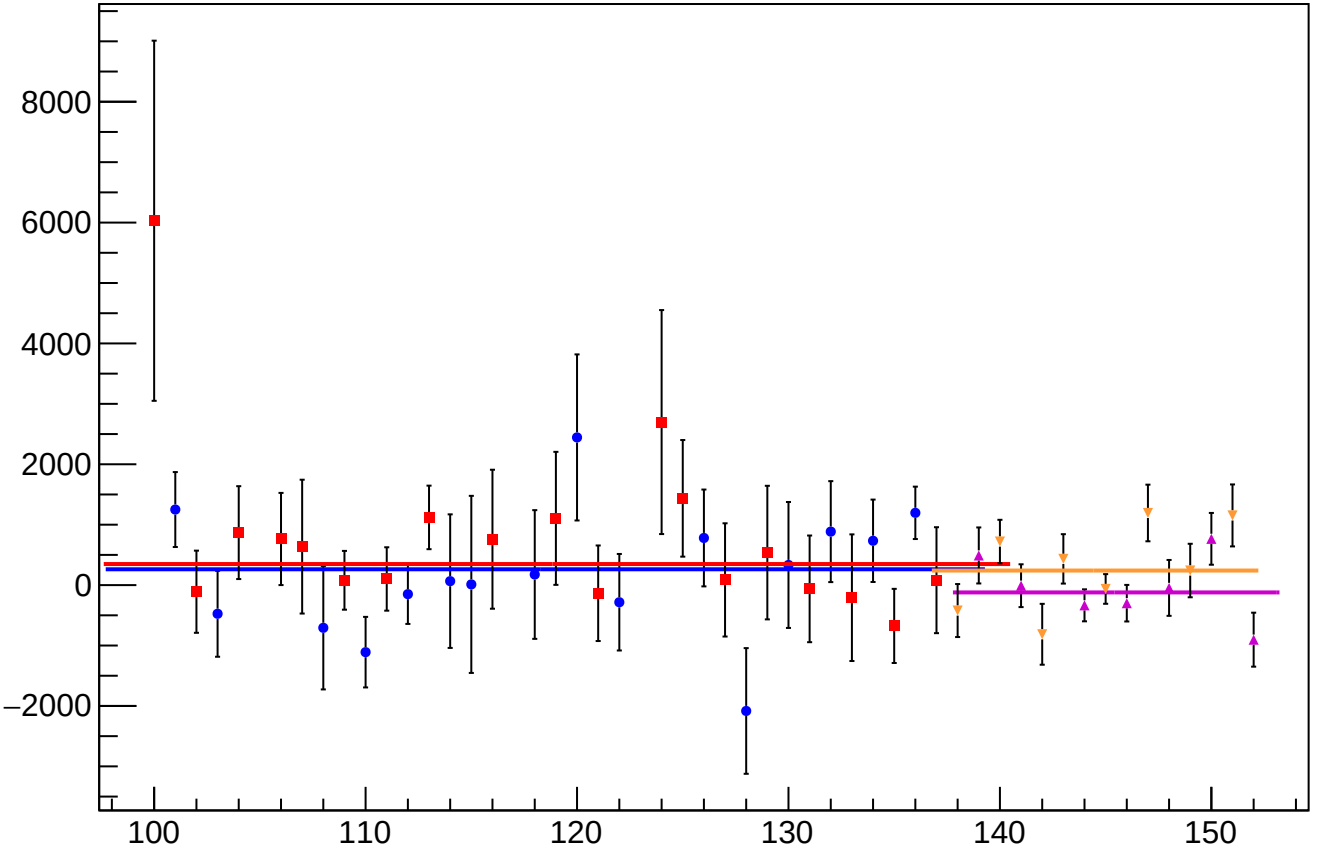
Left In: 40.824+/-0.012 χ^2/NDF:129980.4/6

+ sign 43.360+/-0.009 χ^2/NDF: 664742.1/23

All: 43.296+/-0.006 χ^2/NDF: 1422509.1/49

- sign 43.232+/-0.008 χ^2/NDF: 757653.7/25

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 241.196+/-137.484 χ^2/NDF:17.5/7

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

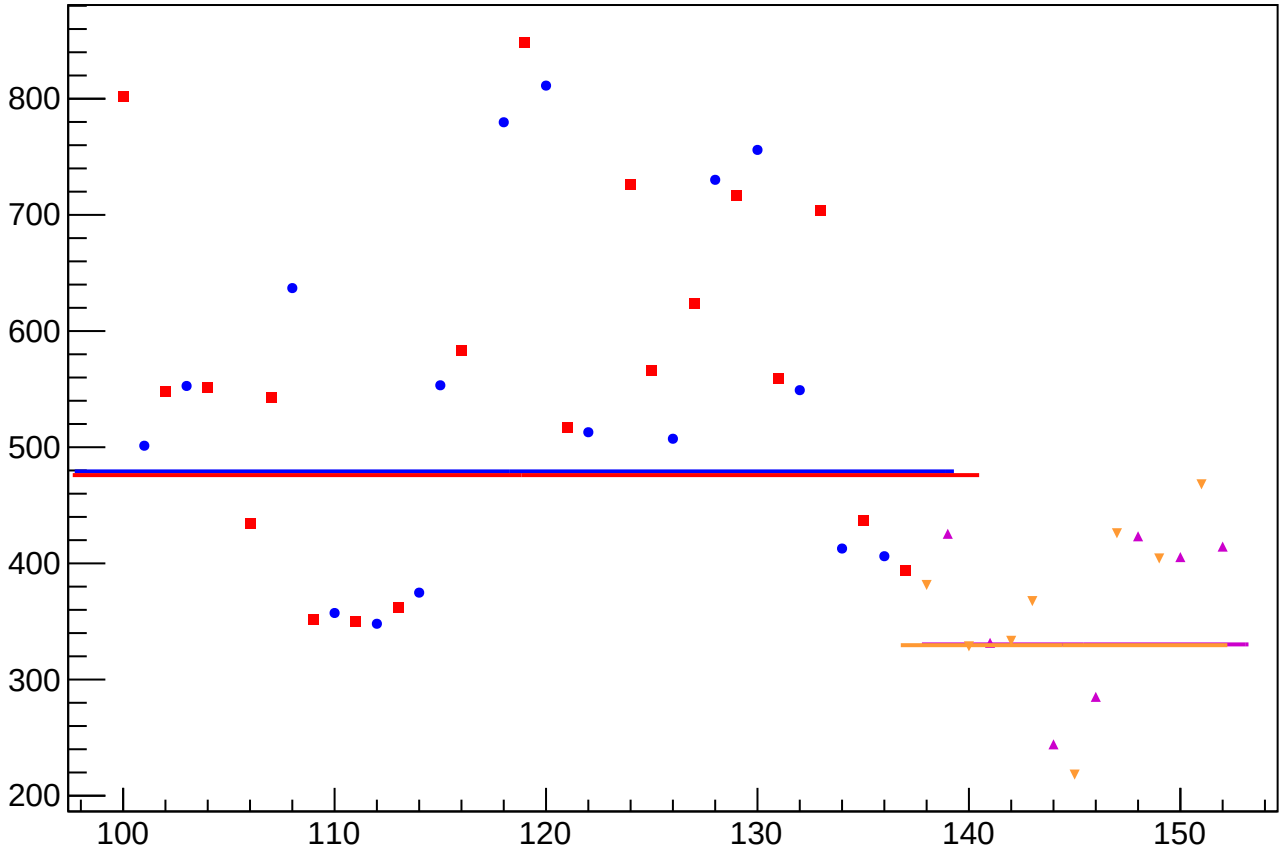
Left In: -121.054+/-137.430 χ^2/NDF:10.2/6

+ sign 248.567+/-110.393 χ^2/NDF: 42.5/23

All: 148.930+/-77.701 χ^2/NDF: 73.5/49

- sign 51.108+/-109.384 χ^2/NDF: 29.4/25

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 329.589+/-0.097 χ^2/NDF:744507.4/7

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

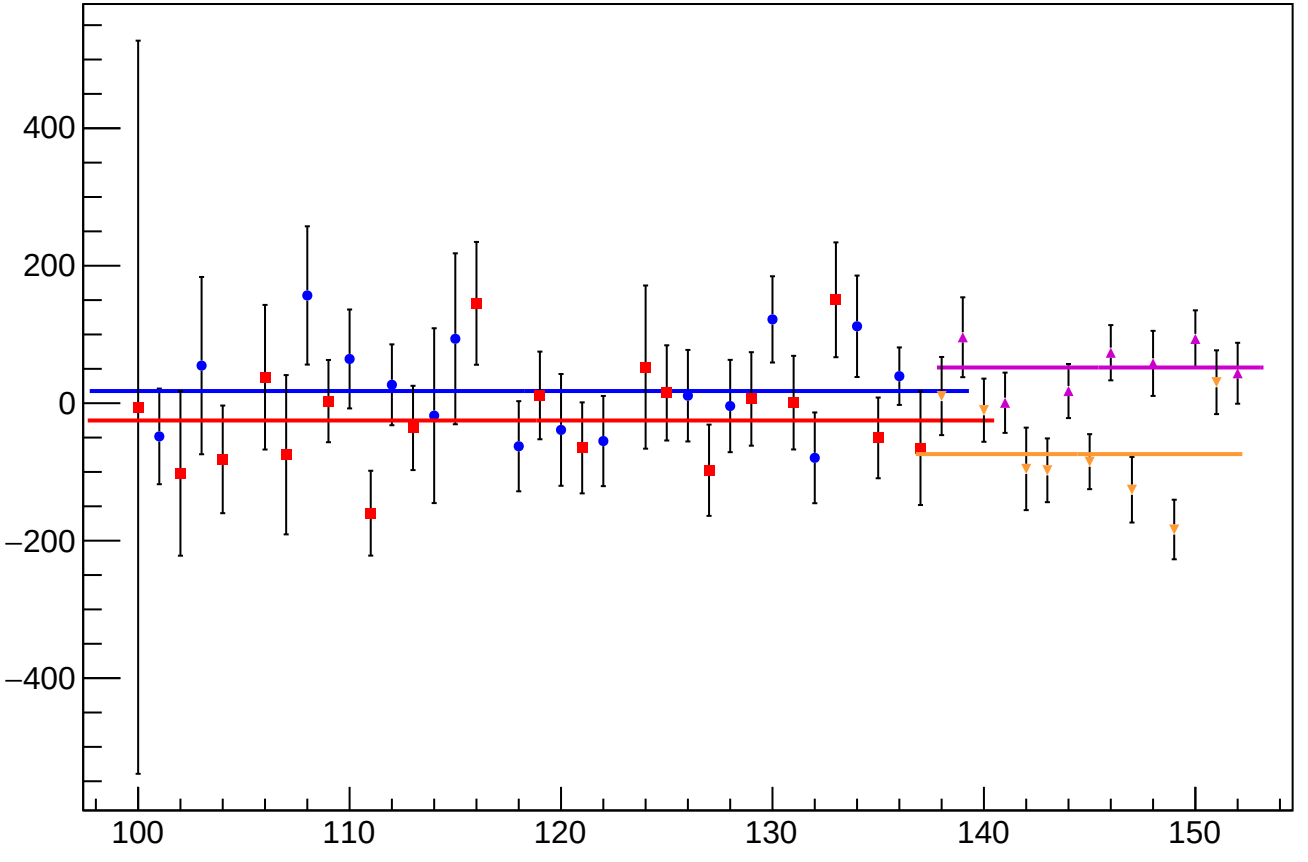
Left In: 330.260+/-0.097 χ^2/NDF:553812.9/6

+ sign 382.733+/-0.078 χ^2/NDF: 2538355.9/23

All: 383.206+/-0.055 χ^2/NDF: 4922965.7/49

- sign 383.671+/-0.077 χ^2/NDF: 2384536.8/25

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -74.045+/-16.700 χ^2/NDF:17.3/7

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

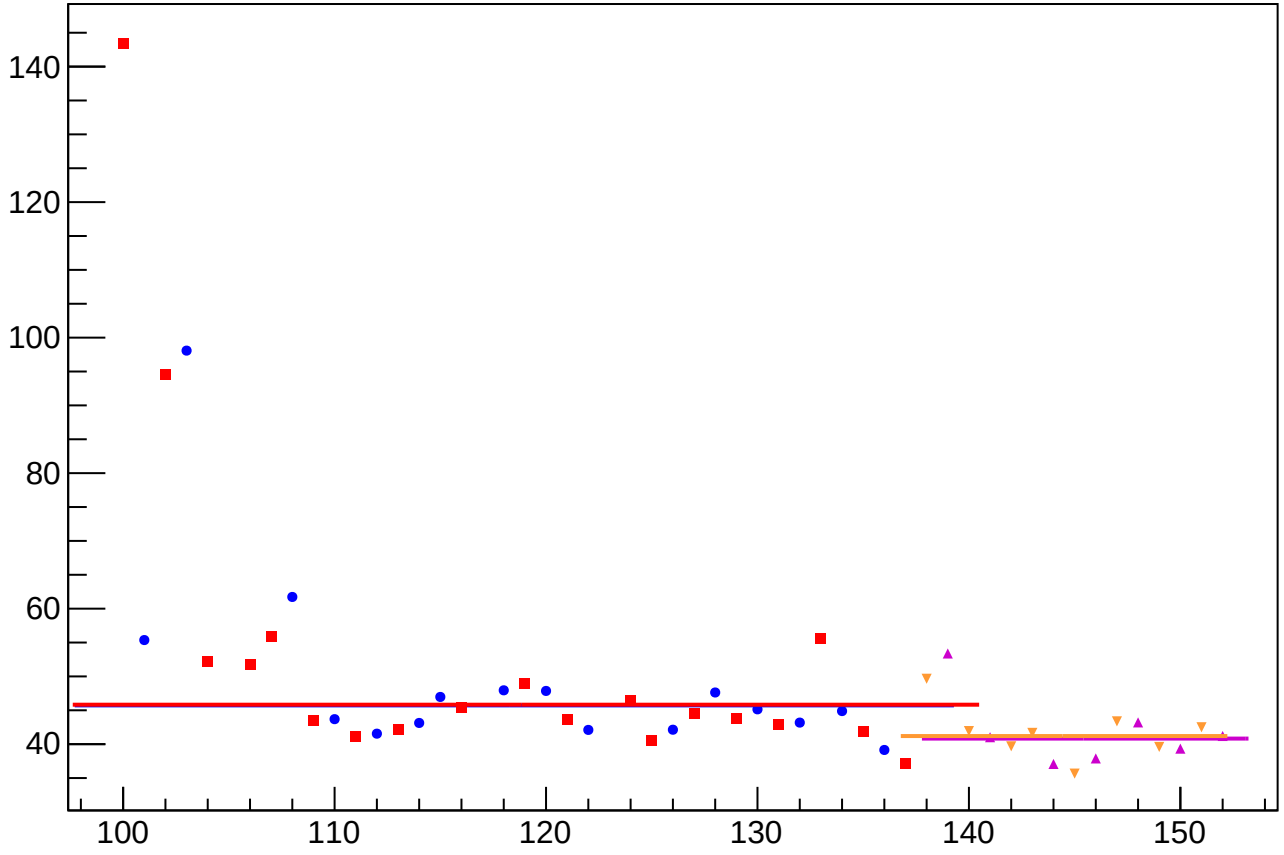
Left In: 51.942+/-16.629 χ^2/NDF:4.0/6

+ sign -30.237+/-12.072 χ^2/NDF: 45.6/23

All: -7.483+/-8.511 χ^2/NDF: 85.0/49

- sign 15.009+/-12.002 χ^2/NDF: 32.3/25

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.198+/-0.012 χ^2/NDF:93043.8/7

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

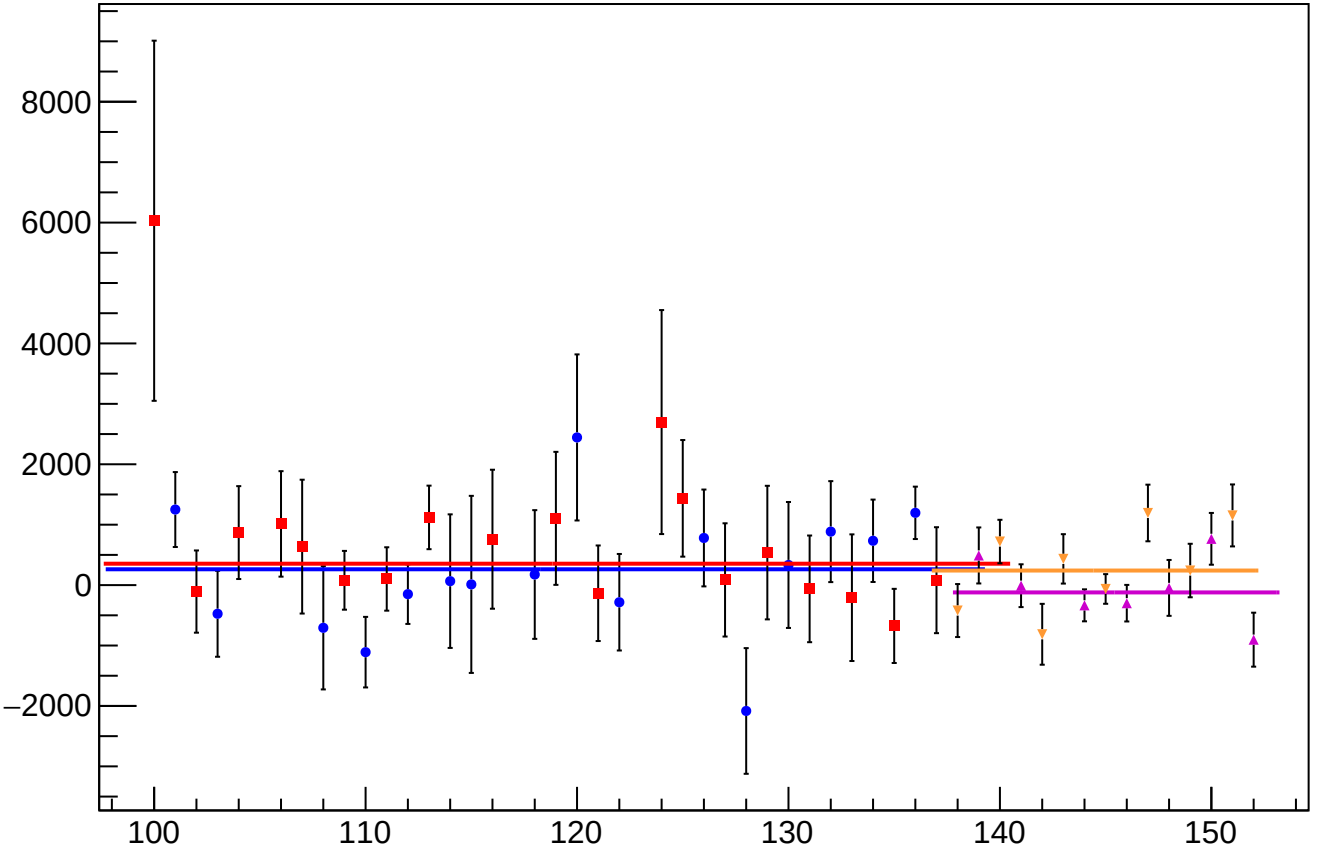
Left In: 40.824+/-0.012 χ^2/NDF:129980.4/6

+ sign 43.360+/-0.009 χ^2/NDF: 664745.1/23

All: 43.290+/-0.006 χ^2/NDF: 1420006.7/49

- sign 43.220+/-0.008 χ^2/NDF: 755126.5/25

asym_sam_15_37_dd_cor_correction_mean vs Slug



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 241.194+/-137.484 χ^2/NDF:17.5/7

Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

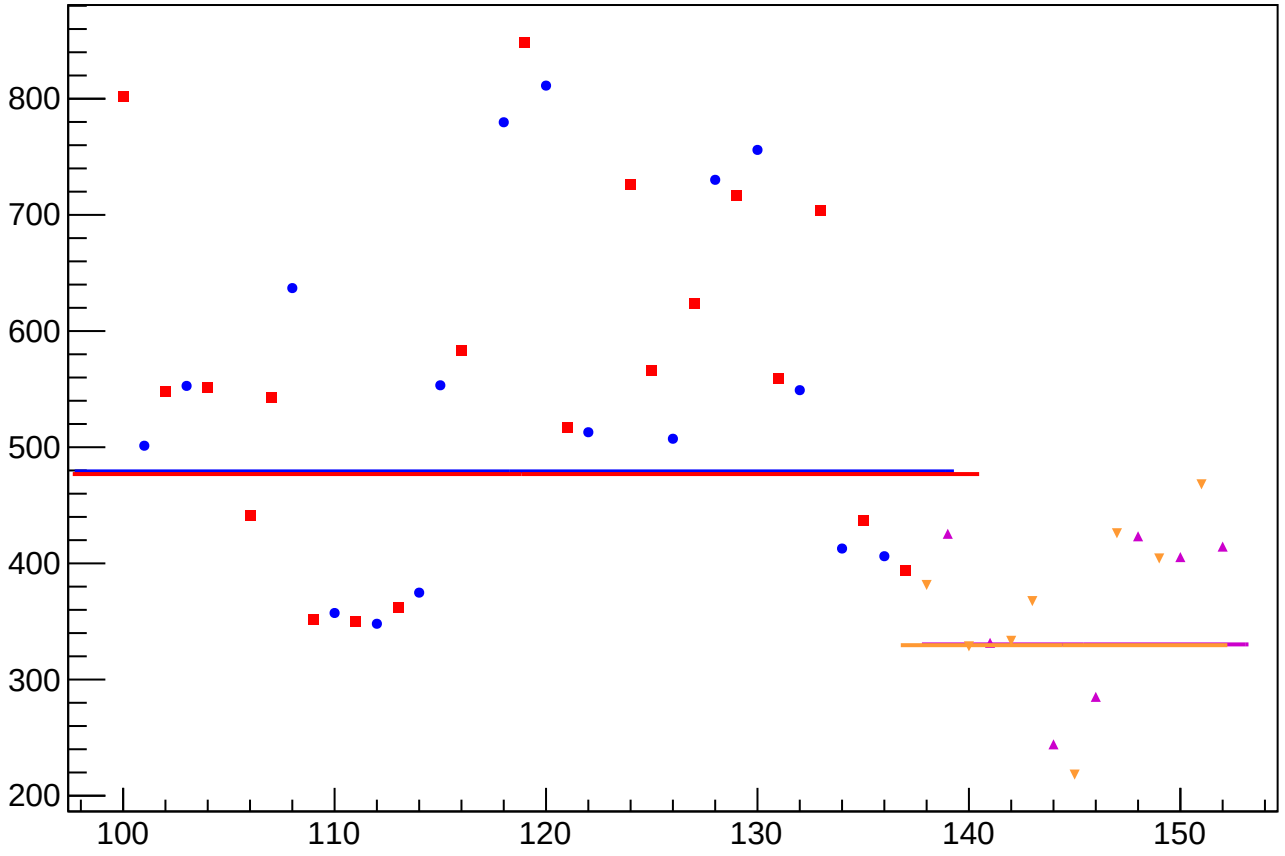
Left In: -121.053+/-137.431 χ^2/NDF:10.2/6

+ sign 248.567+/-110.394 χ^2/NDF: 42.5/23

All: 149.445+/-77.797 χ^2/NDF: 73.8/49

- sign 51.648+/-109.653 χ^2/NDF: 29.8/25

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 329.589+/-0.097 χ^2/NDF:744507.5/7

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

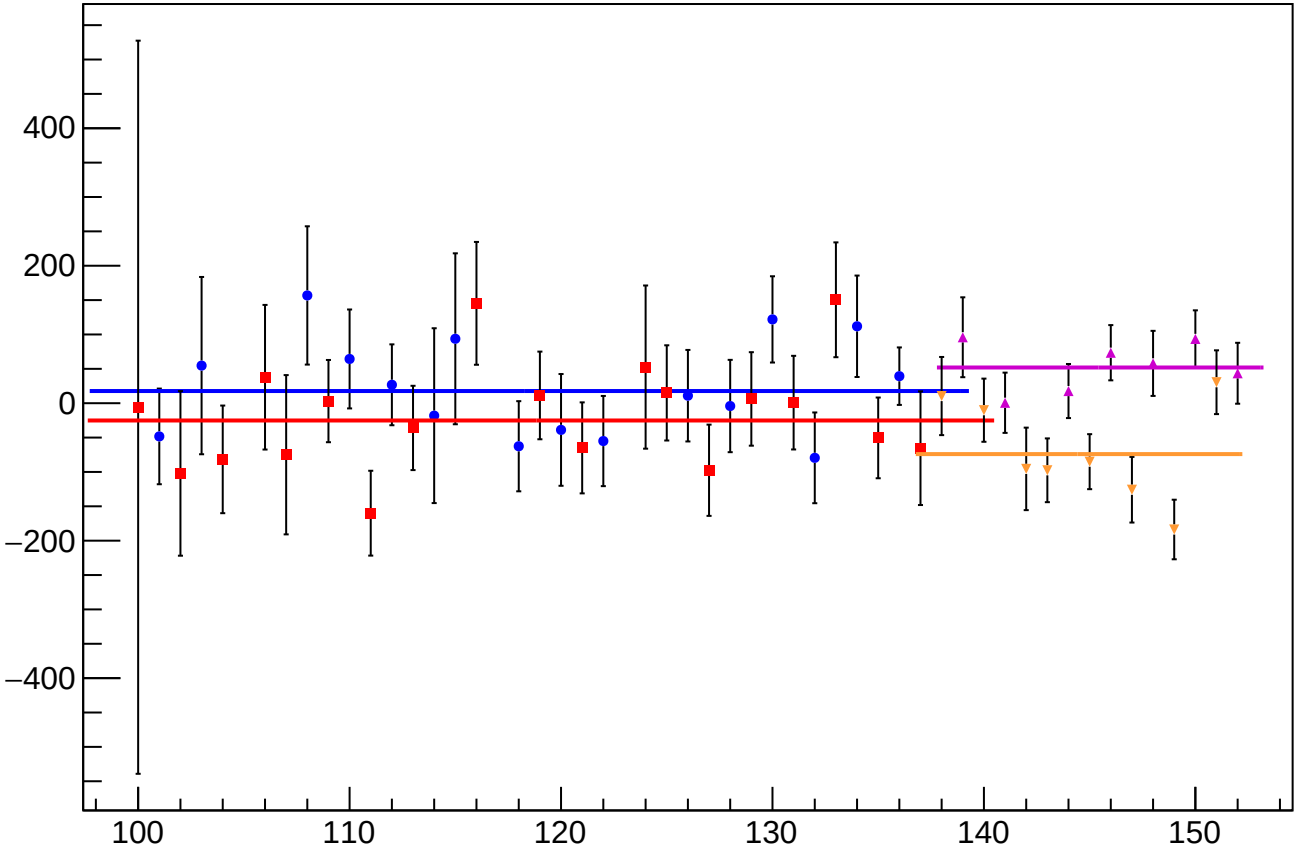
Left In: 330.260+/-0.097 χ^2/NDF:553814.8/6

+ sign 382.733+/-0.078 χ^2/NDF: 2538404.9/23

All: 383.141+/-0.055 χ^2/NDF: 4923392.3/49

- sign 383.544+/-0.078 χ^2/NDF: 2384933.0/25

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -74.045+/-16.700 χ^2/NDF:17.3/7

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

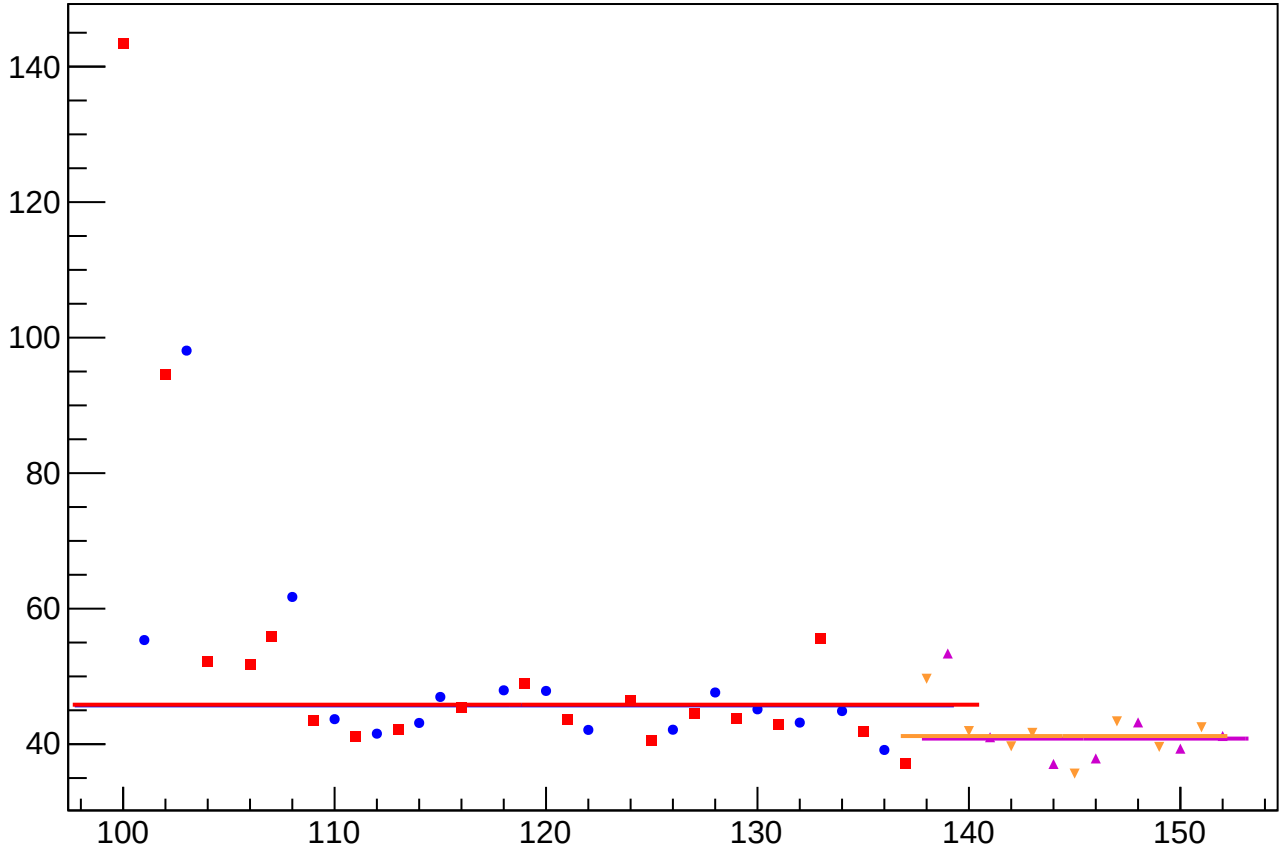
Left In: 51.942+/-16.629 χ^2/NDF:4.0/6

+ sign -30.237+/-12.072 χ^2/NDF: 45.6/23

All: -7.483+/-8.511 χ^2/NDF: 85.0/49

- sign 15.009+/-12.002 χ^2/NDF: 32.3/25

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.198+/-0.012 χ^2/NDF:93043.8/7

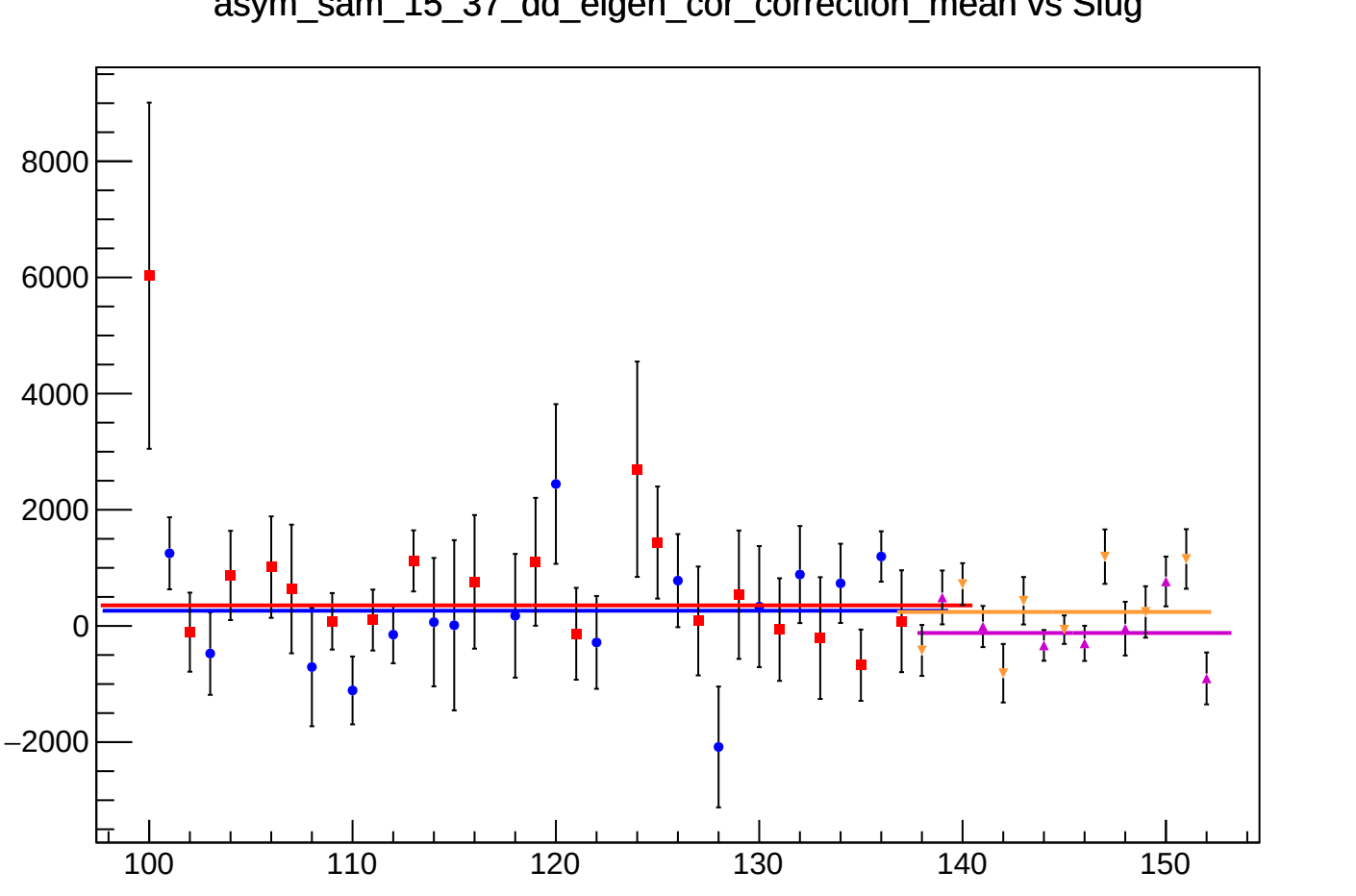
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.824+/-0.012 χ^2/NDF:129980.4/6

+ sign 43.360+/-0.009 χ^2/NDF: 664745.1/23

All: 43.290+/-0.006 χ^2/NDF: 1420006.7/49

- sign 43.220+/-0.008 χ^2/NDF: 755126.5/25



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 241.194+/-137.484 χ^2/NDF:17.5/7

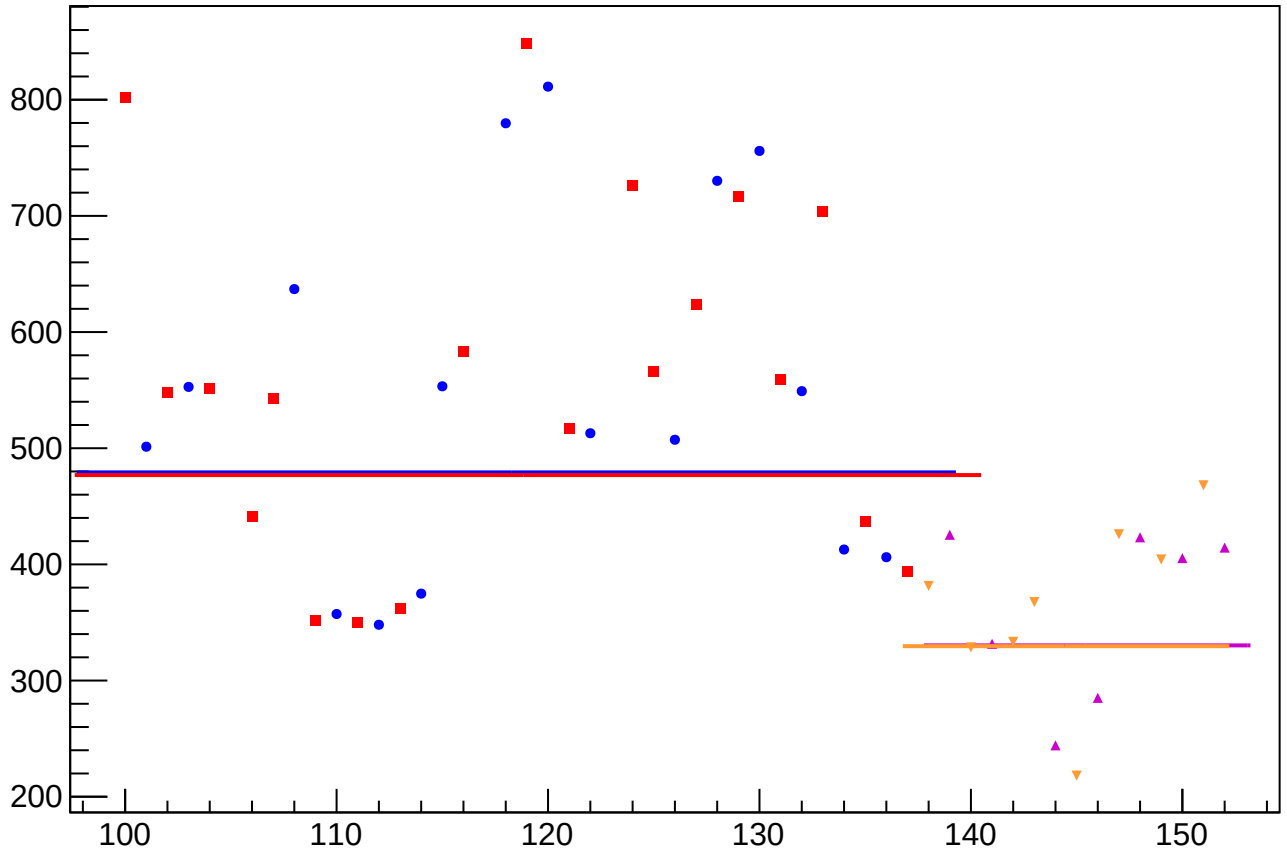
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -121.053+/-137.431 χ^2/NDF:10.2/6

+ sign 248.567+/-110.394 χ^2/NDF: 42.5/23

All: 149.445+/-77.797 χ^2/NDF: 73.8/49

- sign 51.648+/-109.653 χ^2/NDF: 29.8/25



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 329.589+/-0.097 χ^2/NDF:744507.5/7

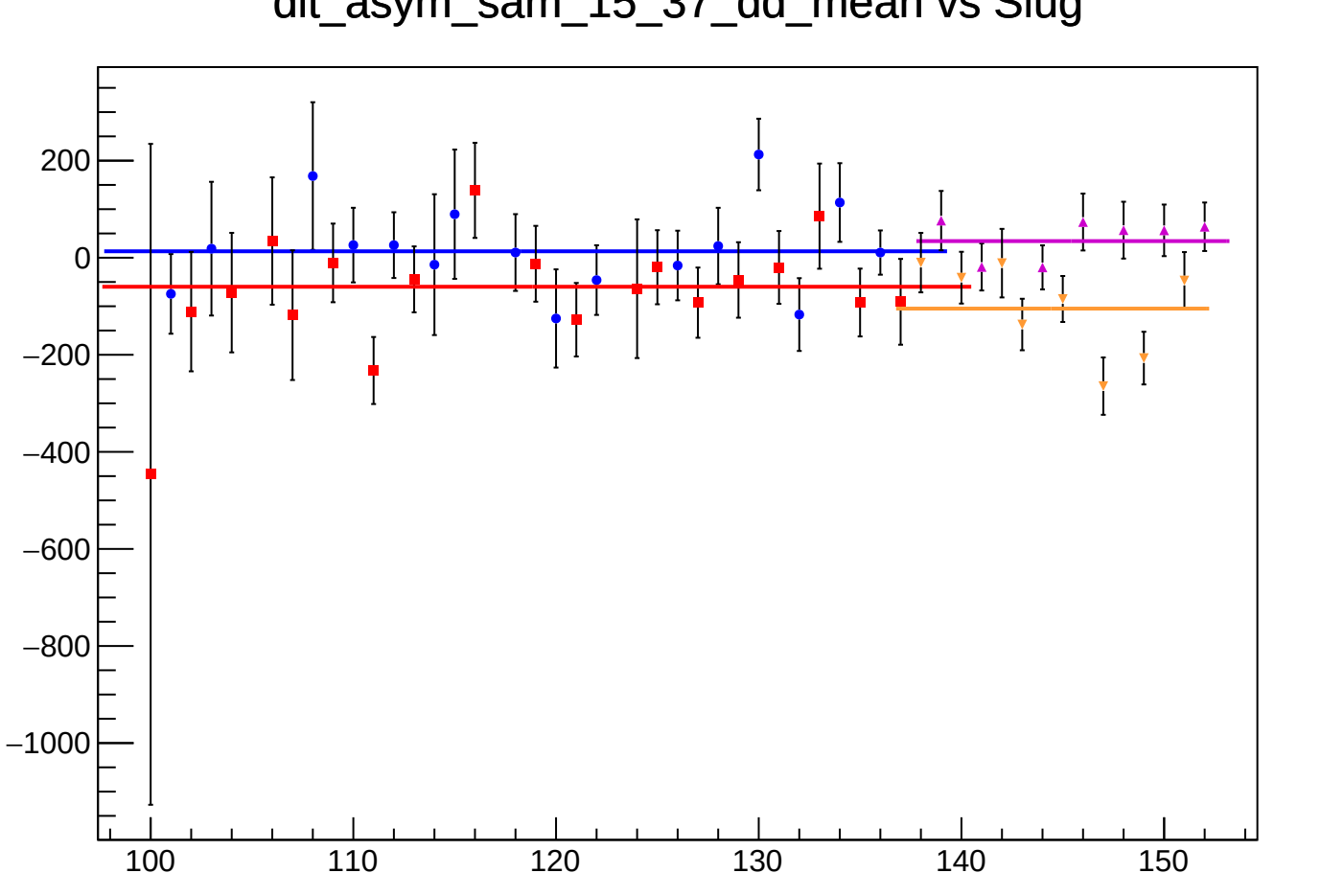
Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 330.260+/-0.097 χ^2/NDF:553814.8/6

+ sign 382.733+/-0.078 χ^2/NDF: 2538404.9/23

All: 383.141+/-0.055 χ^2/NDF: 4923392.3/49

- sign 383.544+/-0.078 χ^2/NDF: 2384933.0/25



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -104.848+/-19.858 χ^2/NDF:17.9/7

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

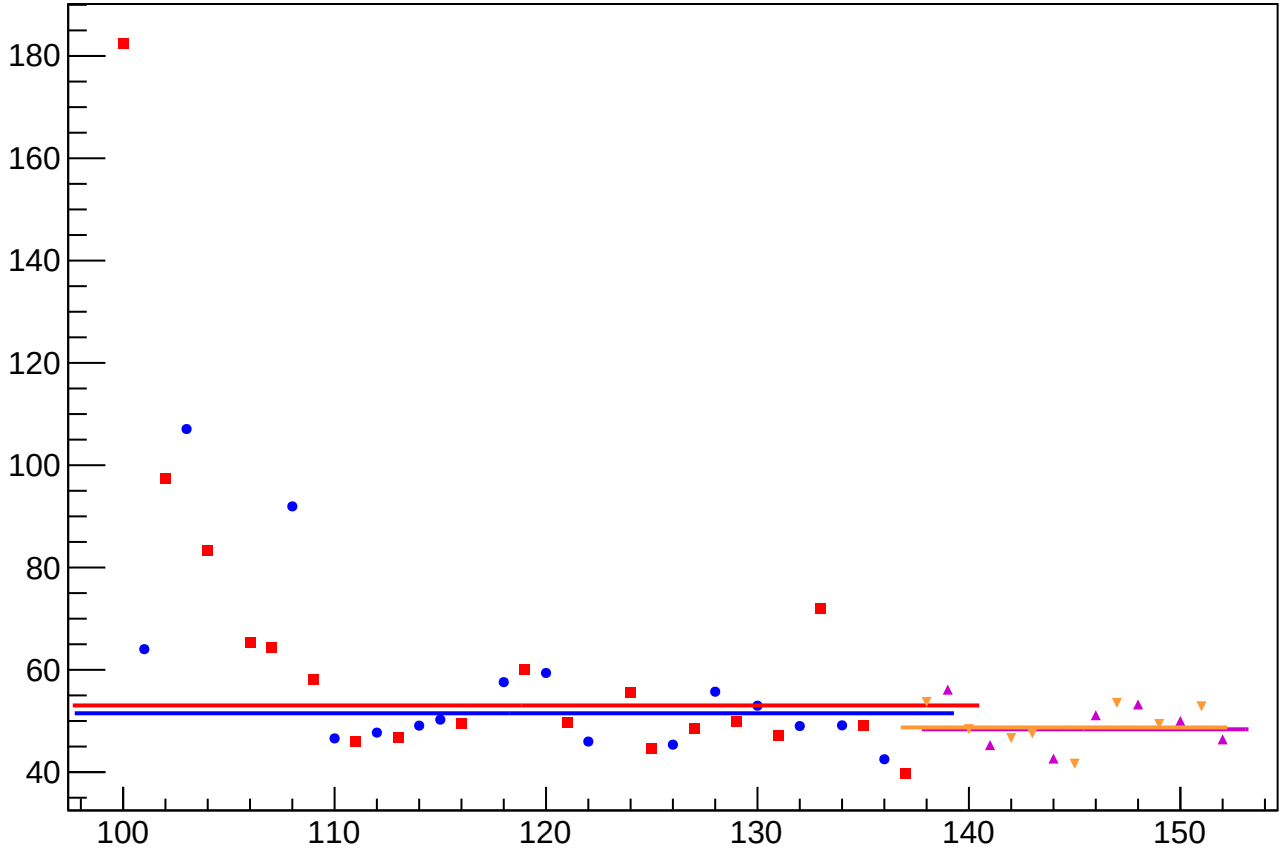
Left In: 34.256+/-19.936 χ^2/NDF:4.2/6

+ sign -45.765+/-14.039 χ^2/NDF: 52.9/23

All: -29.117+/-9.984 χ^2/NDF: 87.0/49

- sign -12.080+/-14.201 χ^2/NDF: 31.3/25

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 48.737+/-0.014 χ^2/NDF:84195.6/7

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

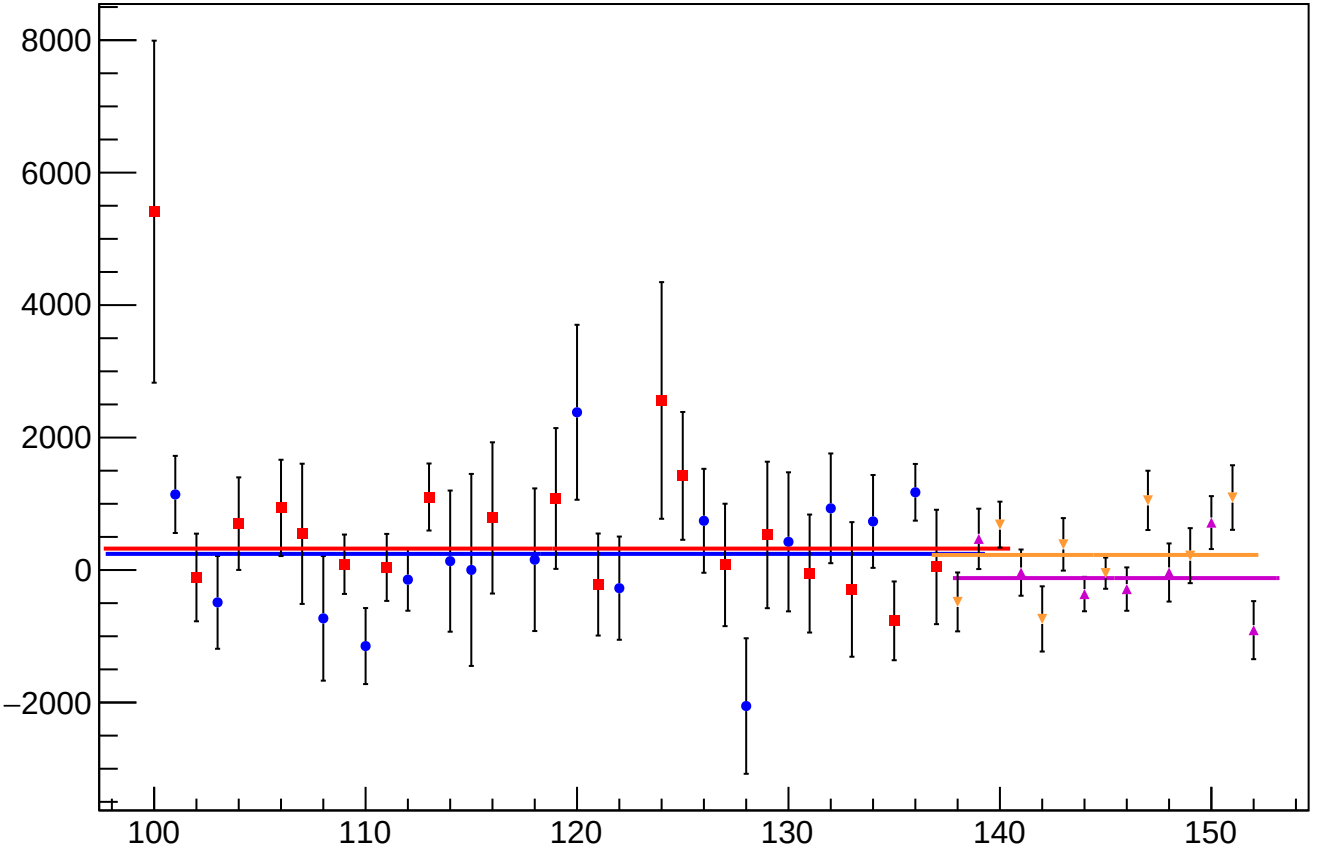
Left In: 48.375+/-0.014 χ^2/NDF:95173.0/6

+ sign 50.122+/-0.010 χ^2/NDF: 770699.4/23

All: 50.394+/-0.007 χ^2/NDF: 1634174.3/49

- sign 50.672+/-0.010 χ^2/NDF: 861958.6/25

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 228.009+/-132.633 χ^2/NDF:16.2/7

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

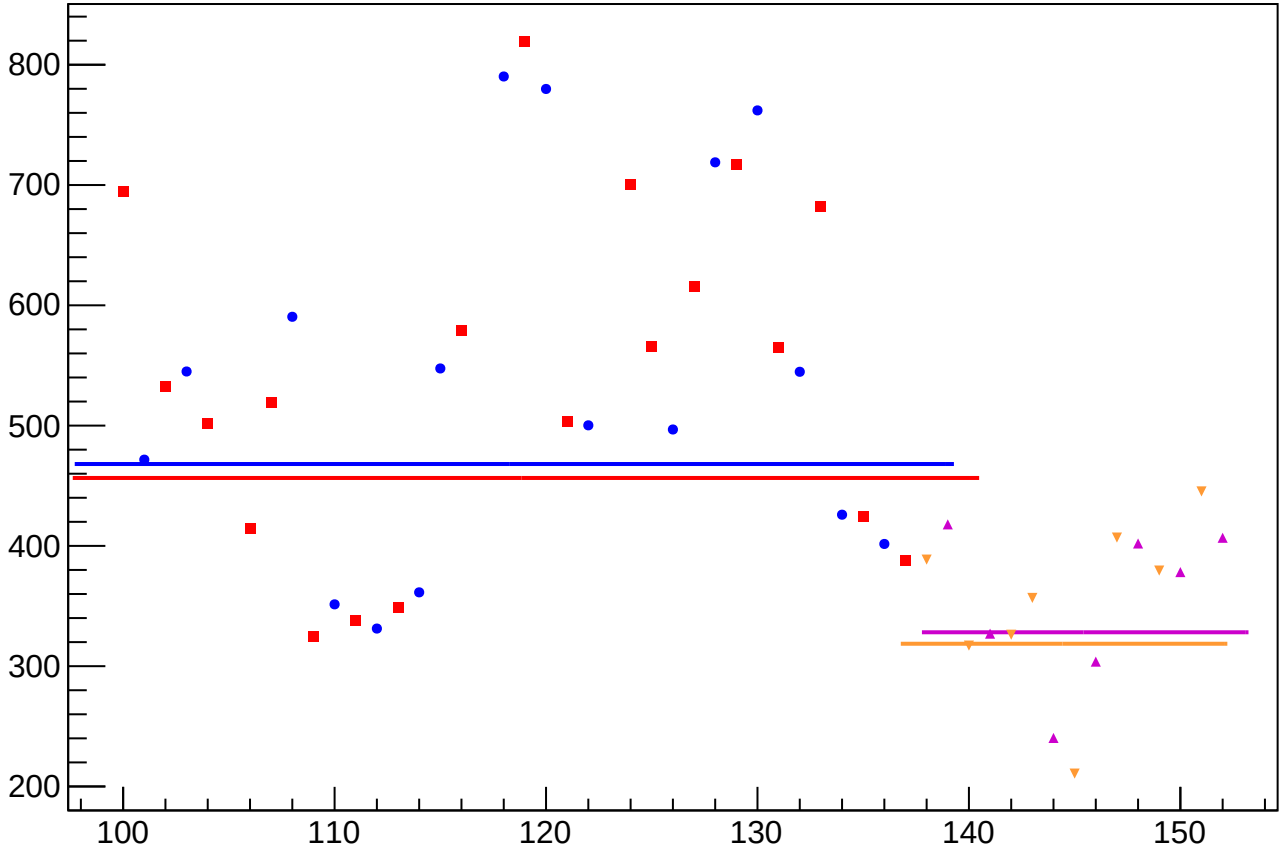
Left In: -121.677+/-136.284 χ^2/NDF:10.5/6

+ sign 233.541+/-106.958 χ^2/NDF: 41.8/23

All: 141.024+/-75.718 χ^2/NDF: 74.4/49

- sign 48.080+/-107.205 χ^2/NDF: 31.1/25

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 318.648+/-0.094 χ^2/NDF:743075.2/7

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

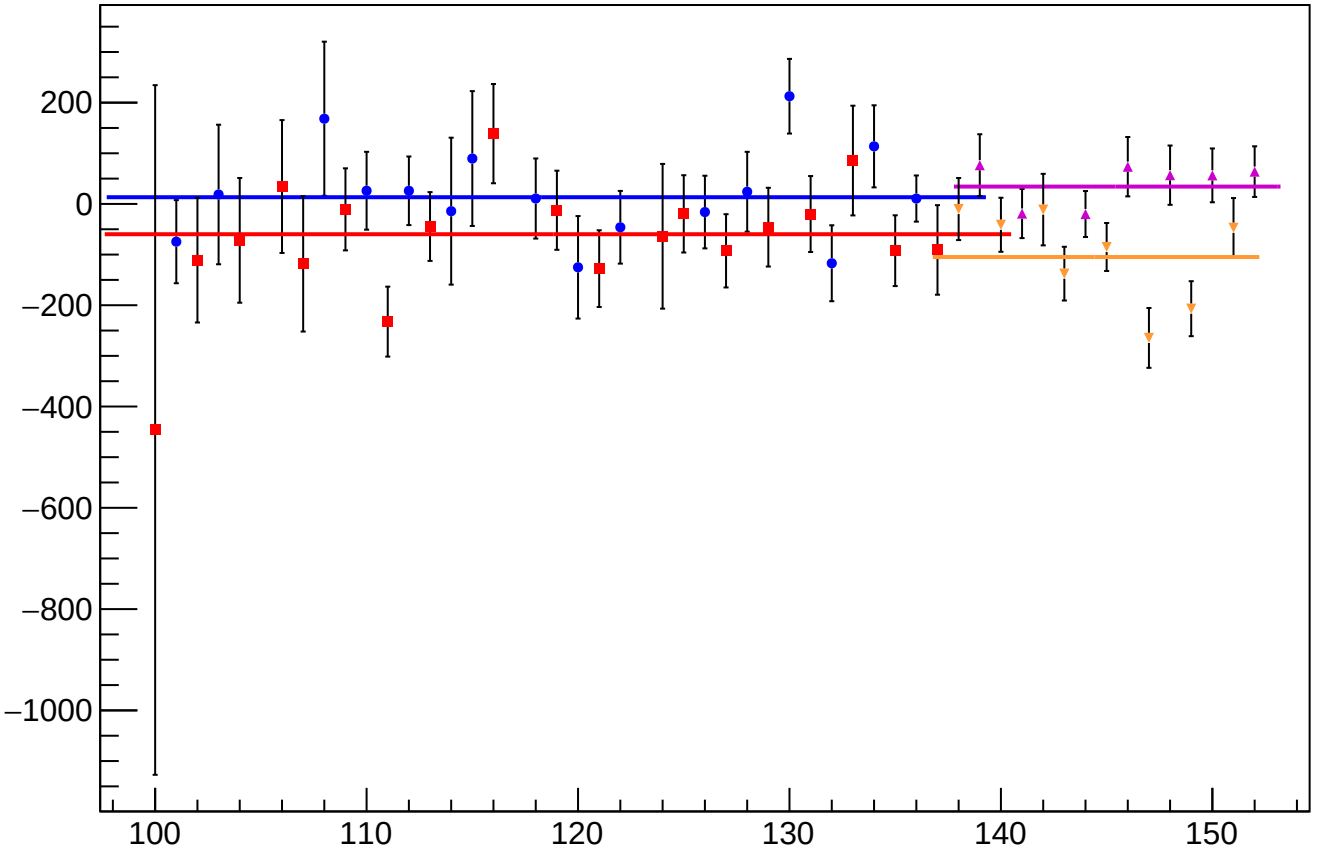
Left In: 328.186+/-0.096 χ^2/NDF:469433.9/6

+ sign 370.898+/-0.076 χ^2/NDF: 2613582.5/23

All: 373.986+/-0.054 χ^2/NDF: 4844455.9/49

- sign 377.089+/-0.076 χ^2/NDF: 2227530.1/25

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -104.848+/-19.858 χ^2/NDF:17.9/7

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

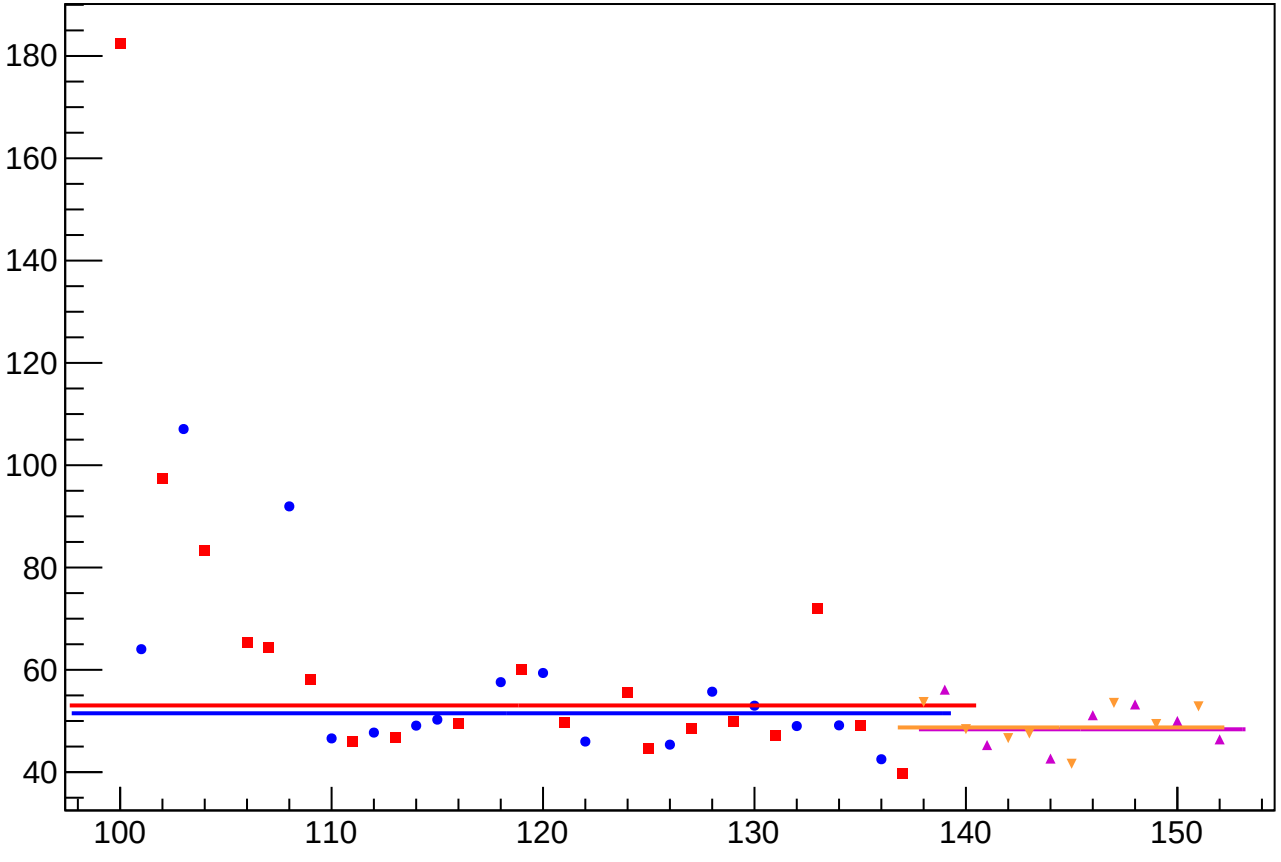
Left In: 34.256+/-19.936 χ^2/NDF:4.2/6

+ sign -45.765+/-14.039 χ^2/NDF: 52.9/23

All: -29.117+/-9.984 χ^2/NDF: 87.0/49

- sign -12.081+/-14.201 χ^2/NDF: 31.3/25

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 48.737+/-0.014 χ^2/NDF:84195.1/7

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

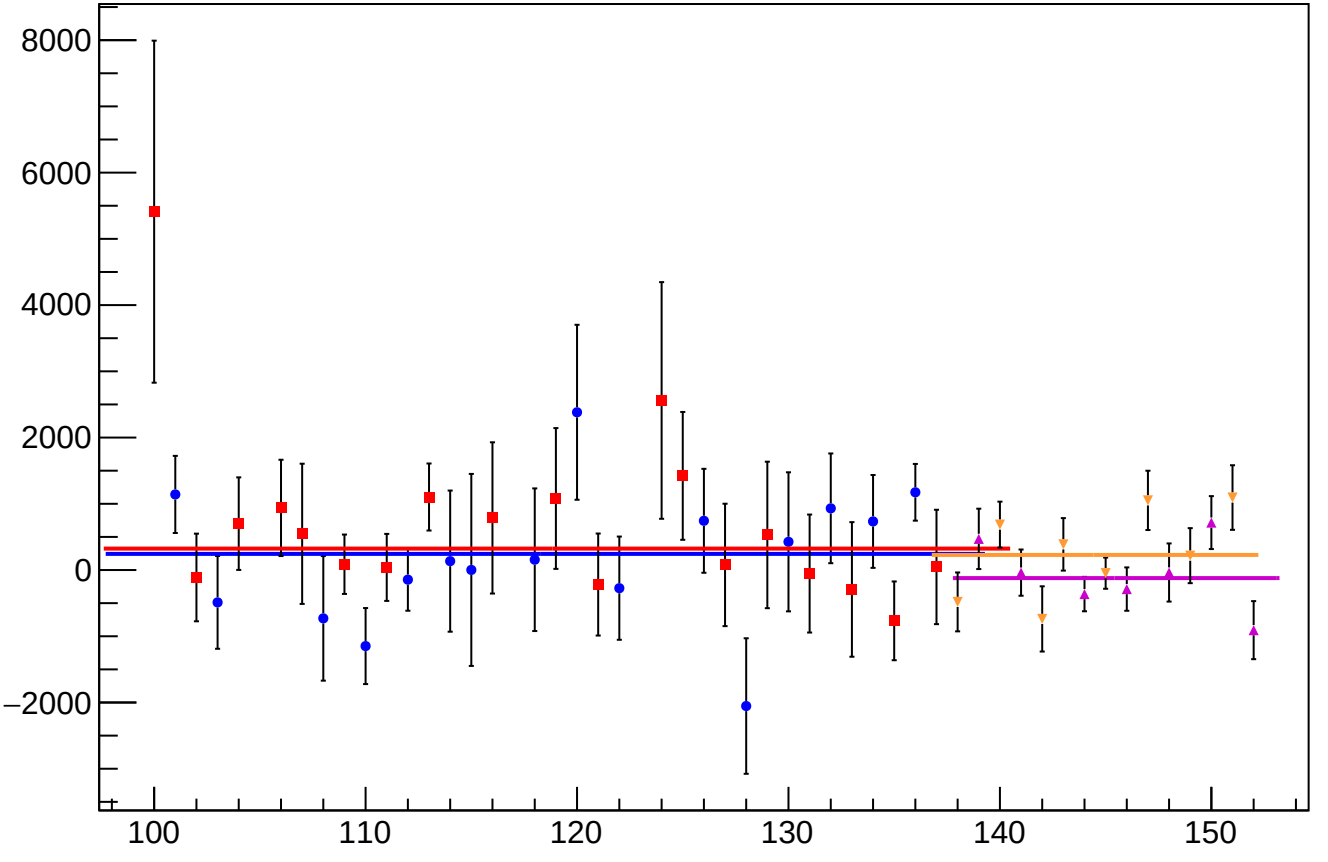
Left In: 48.375+/-0.014 χ^2/NDF:95171.3/6

+ sign 50.122+/-0.010 χ^2/NDF: 770703.8/23

All: 50.394+/-0.007 χ^2/NDF: 1634186.5/49

- sign 50.672+/-0.010 χ^2/NDF: 861966.2/25

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 228.010+/-132.633 χ^2/NDF:16.2/7

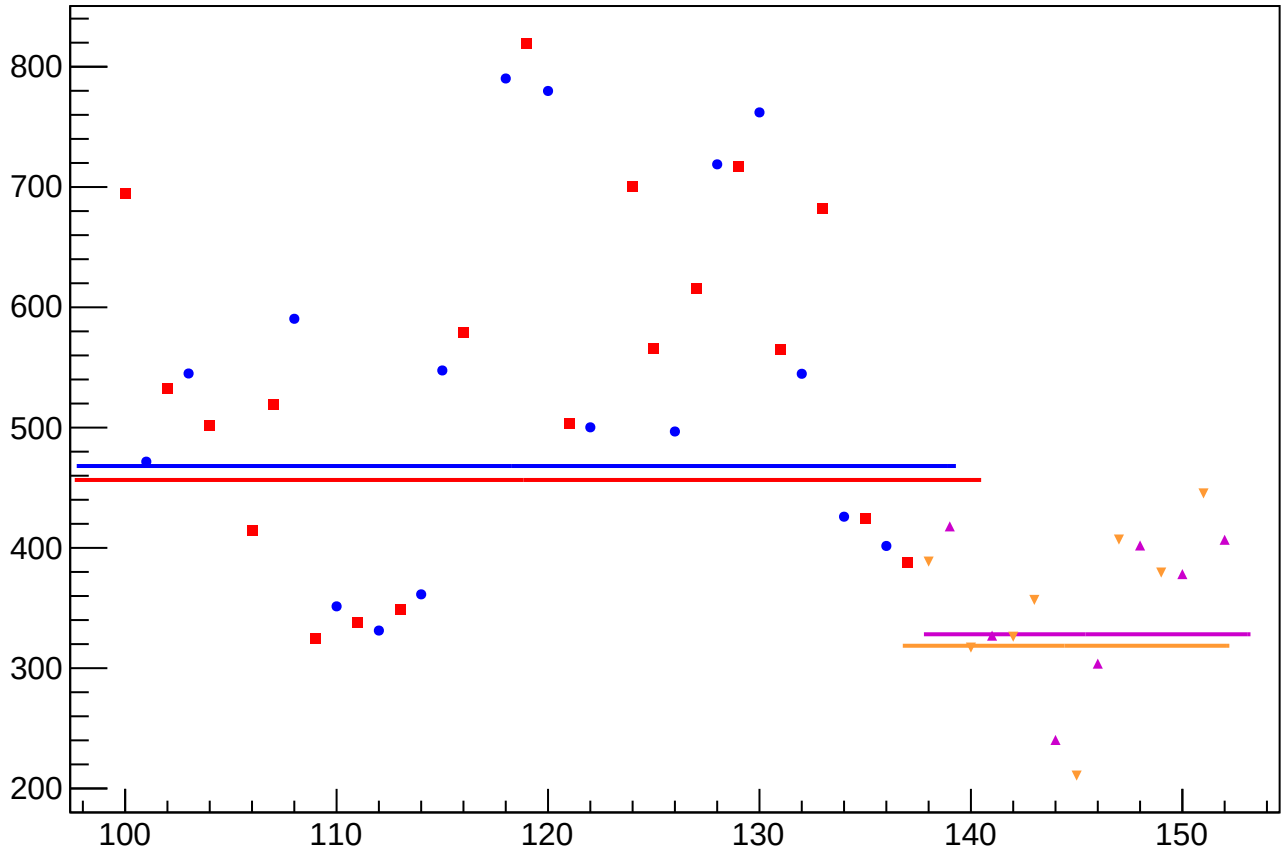
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -121.678+/-136.284 χ^2/NDF:10.5/6

+ sign 233.541+/-106.958 χ^2/NDF: 41.8/23

All: 141.025+/-75.718 χ^2/NDF: 74.4/49

- sign 48.080+/-107.205 χ^2/NDF: 31.1/25



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 318.648+/-0.094 χ^2/NDF:743079.1/7

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

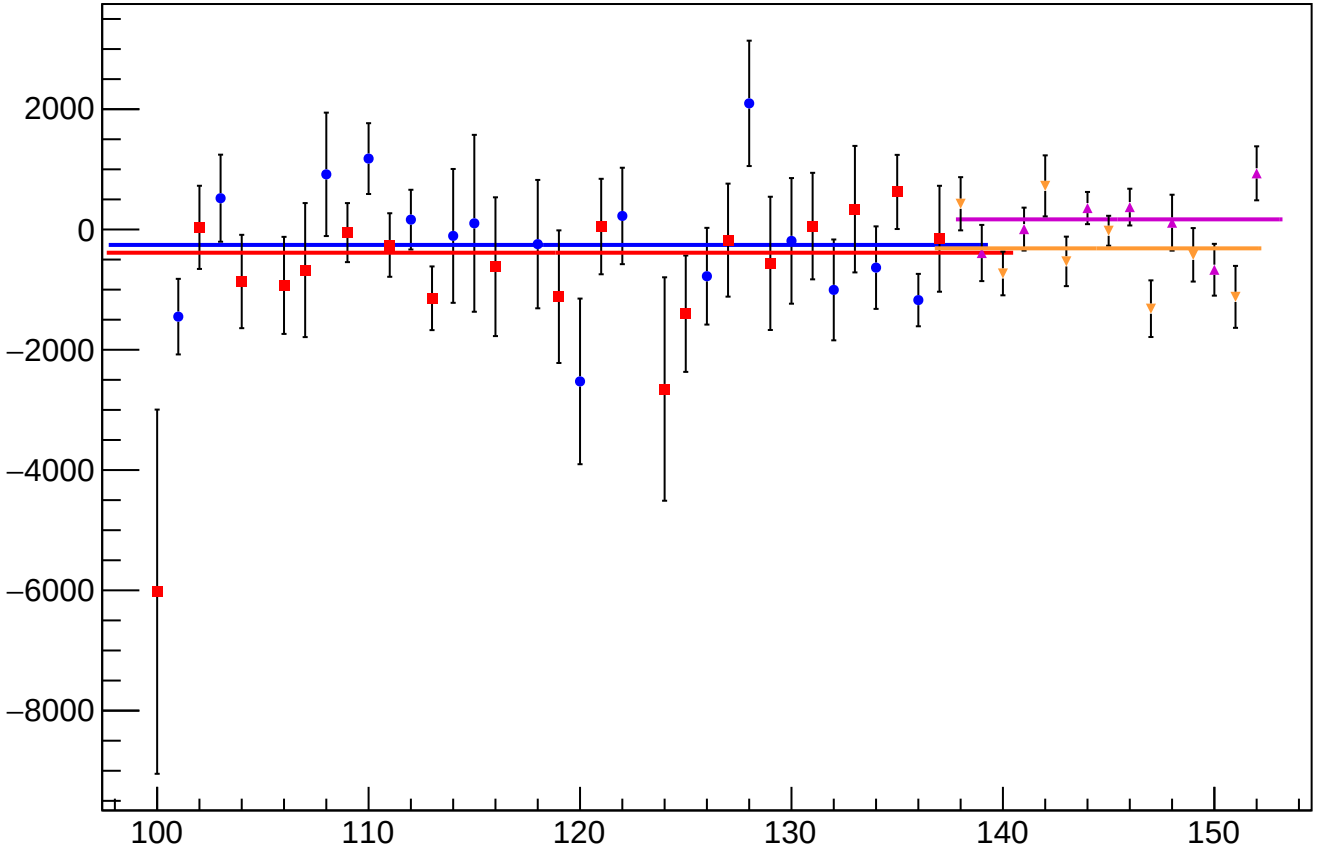
Left In: 328.186+/-0.096 χ^2/NDF:469435.6/6

+ sign 370.897+/-0.076 χ^2/NDF: 2613579.8/23

All: 373.986+/-0.054 χ^2/NDF: 4844442.8/49

- sign 377.089+/-0.076 χ^2/NDF: 2227519.5/25

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -313.810+/-138.683 χ^2/NDF:17.0/7

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

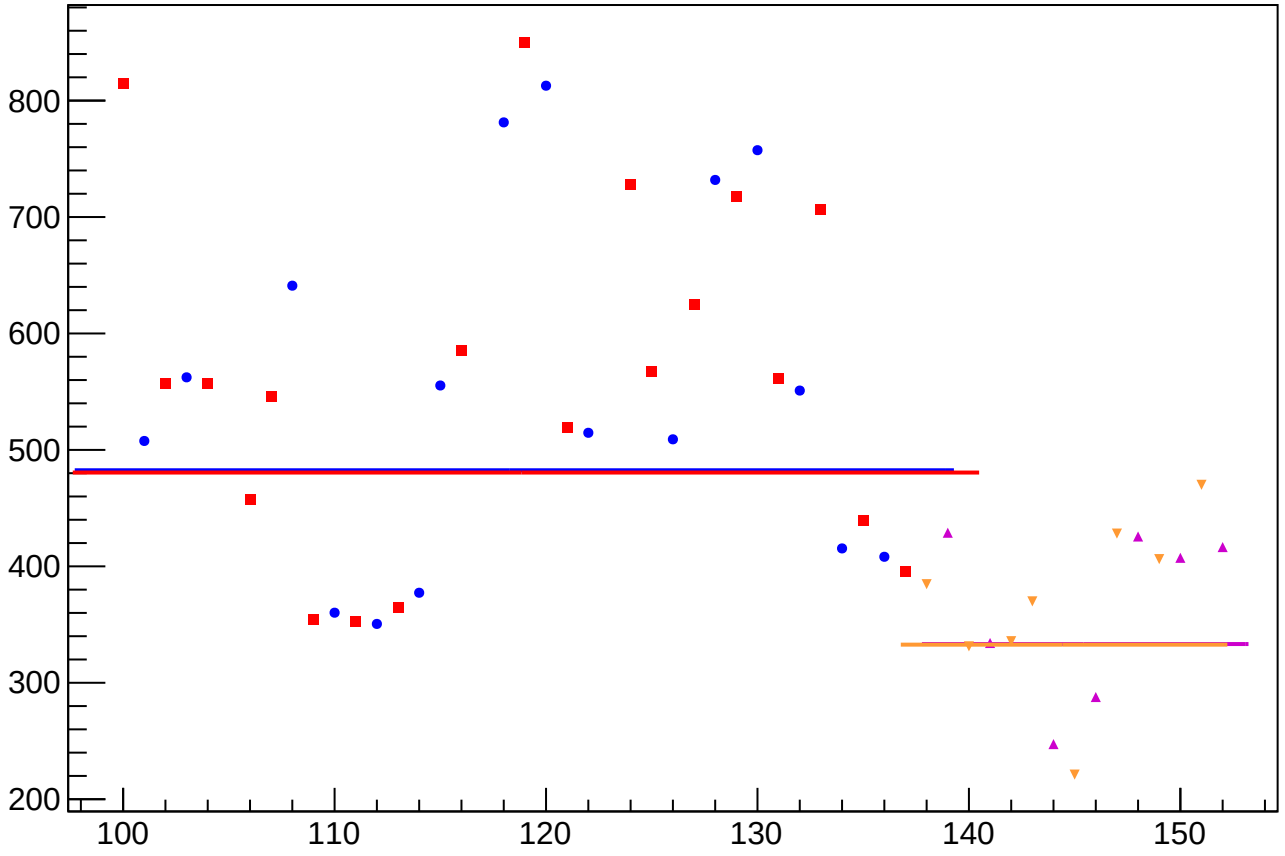
Left In: 168.189+/-138.589 χ^2/NDF:9.3/6

+ sign -293.487+/-111.279 χ^2/NDF: 44.0/23

All: -163.083+/-78.353 χ^2/NDF: 76.1/49

- sign -34.866+/-110.341 χ^2/NDF: 29.4/25

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 332.755+/-0.098 χ^2/NDF:725197.0/7

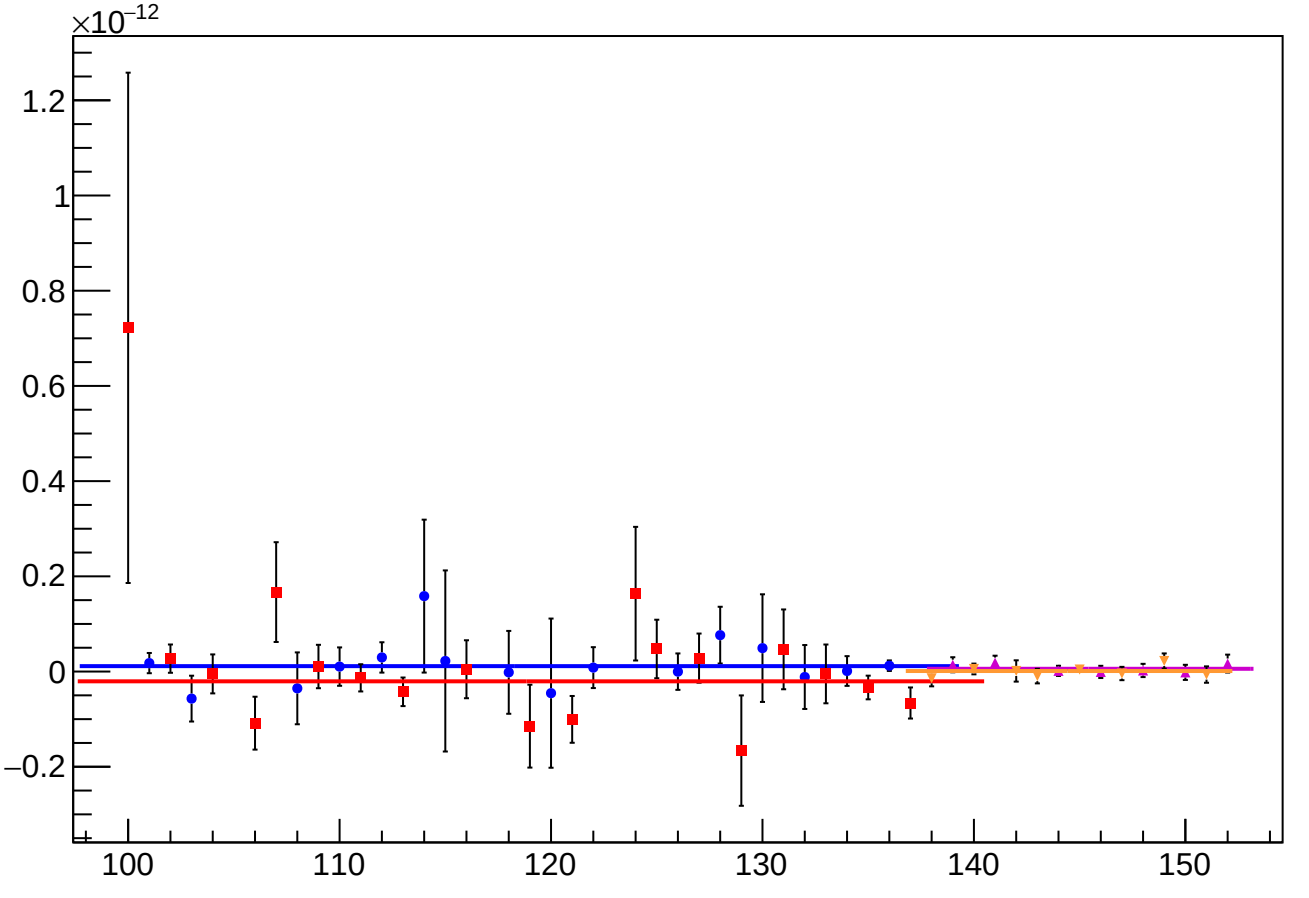
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 333.272+/-0.098 χ^2/NDF:540911.7/6

+ sign 386.093+/-0.079 χ^2/NDF: 2502343.5/23

All: 386.648+/-0.055 χ^2/NDF: 4864150.3/49

- sign 387.194+/-0.078 χ^2/NDF: 2361707.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/7

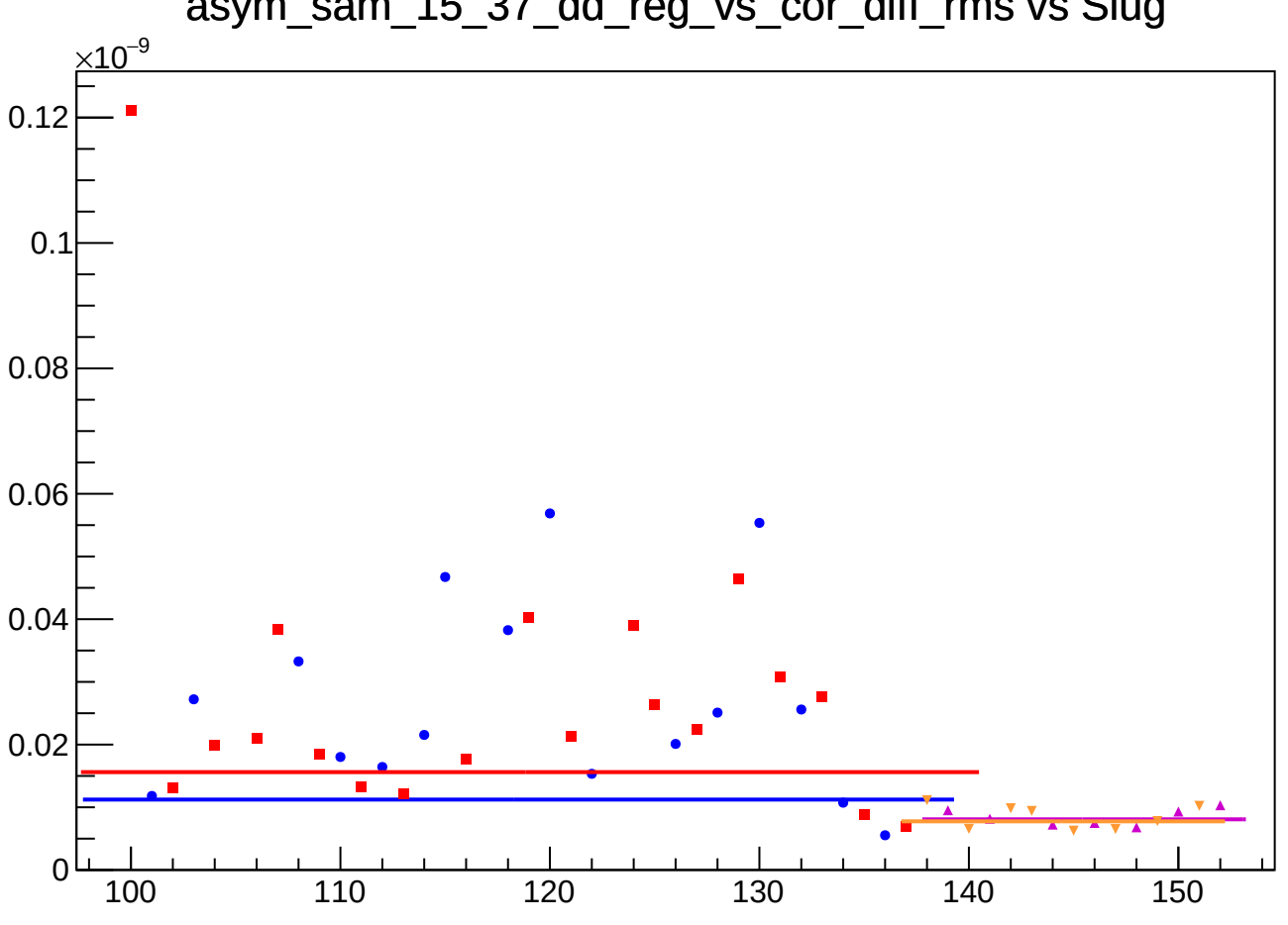
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 10.2/23

All: 0.000+/-0.000 χ^2/NDF: 41.6/49

- sign 0.000+/-0.000 χ^2/NDF: 31.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:246469.0/7

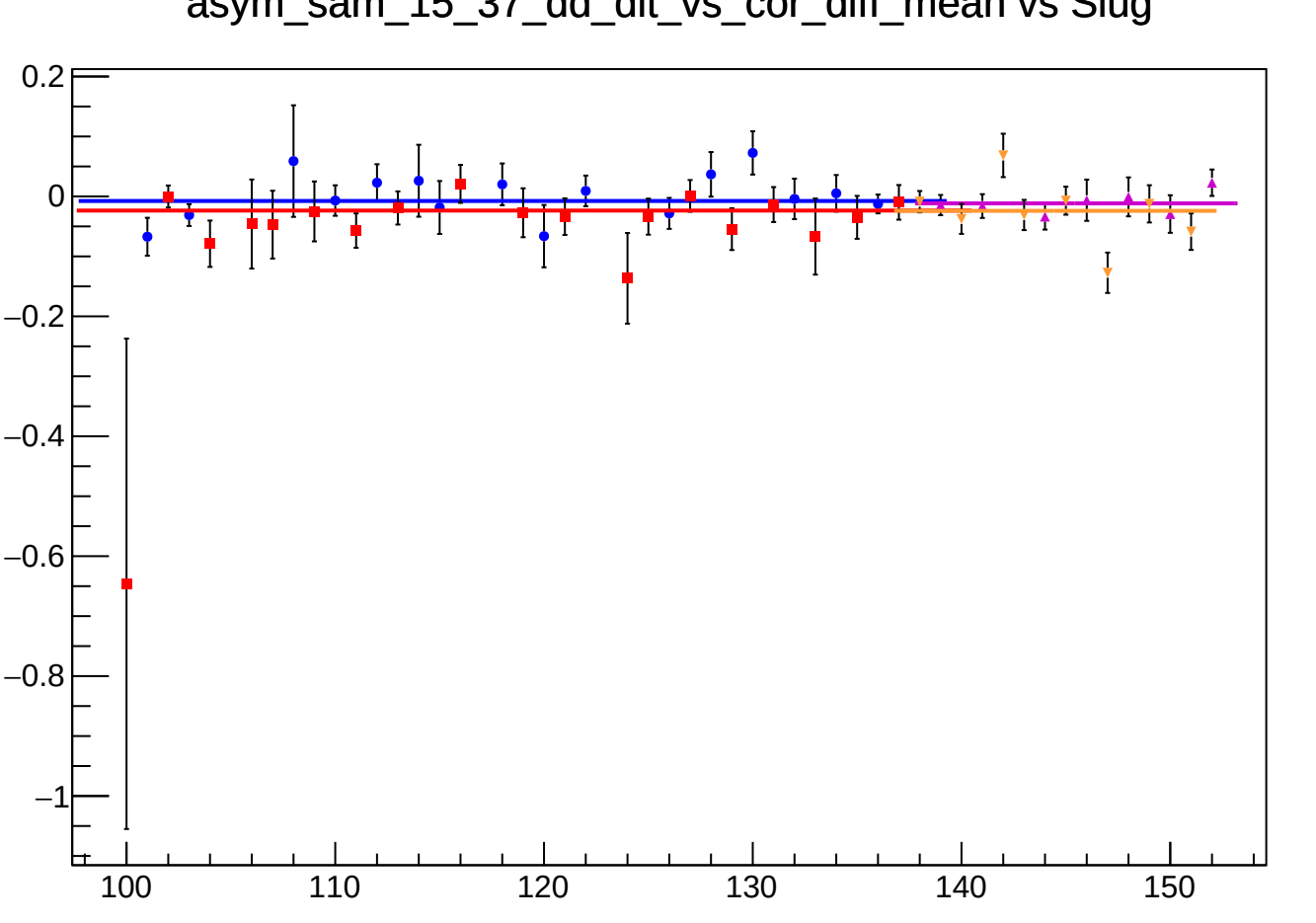
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:90822.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 2621420.4/23

All: 0.000+/-0.000 χ^2/NDF: 4791285.9/49

- sign 0.000+/-0.000 χ^2/NDF: 2125625.8/25



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.024+/-0.009 χ^2/NDF:19.0/7

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

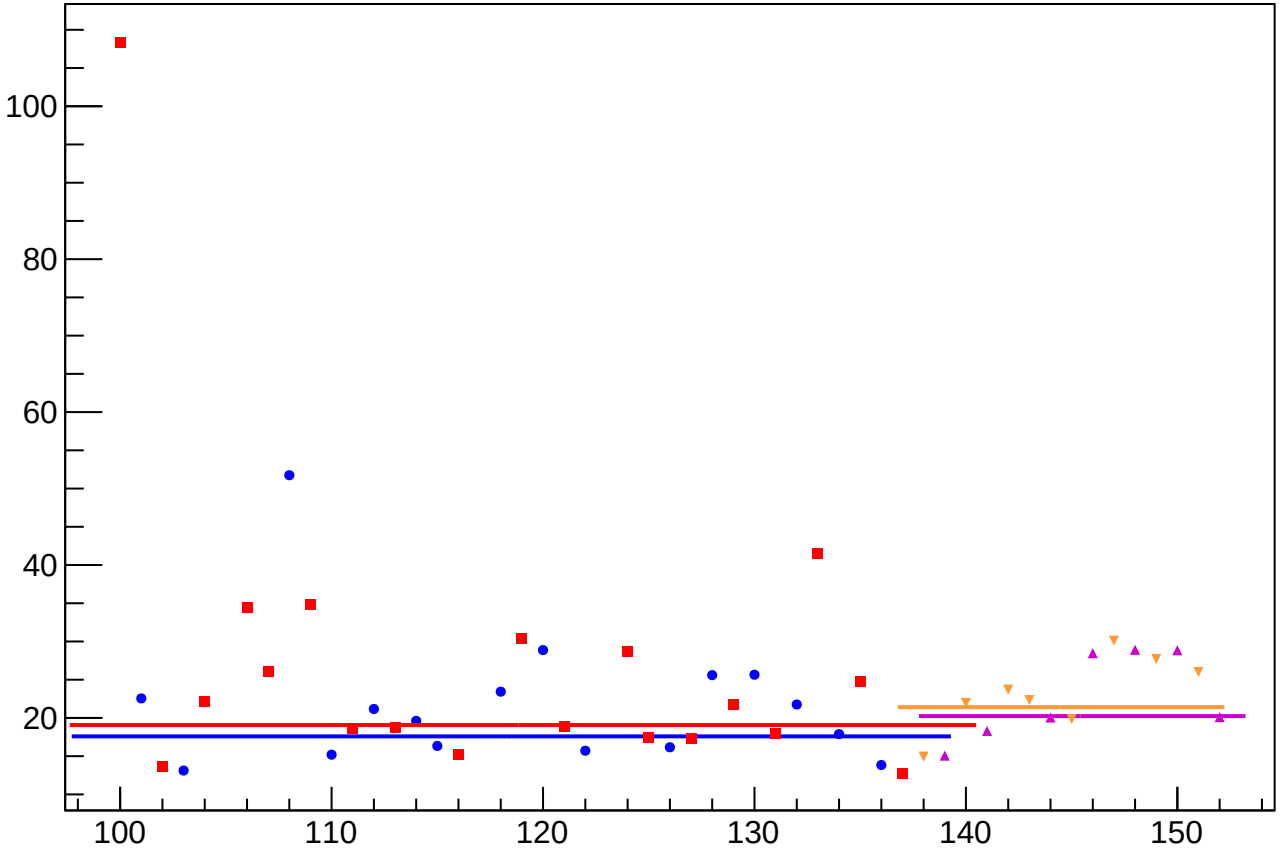
Left In: -0.012+/-0.009 χ^2/NDF:4.0/6

+ sign -0.014+/-0.006 χ^2/NDF: 37.7/23

All: -0.016+/-0.004 χ^2/NDF: 57.7/49

- sign -0.018+/-0.006 χ^2/NDF: 19.7/25

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: 21.411+/-0.006 χ^2/NDF:545791.8/7

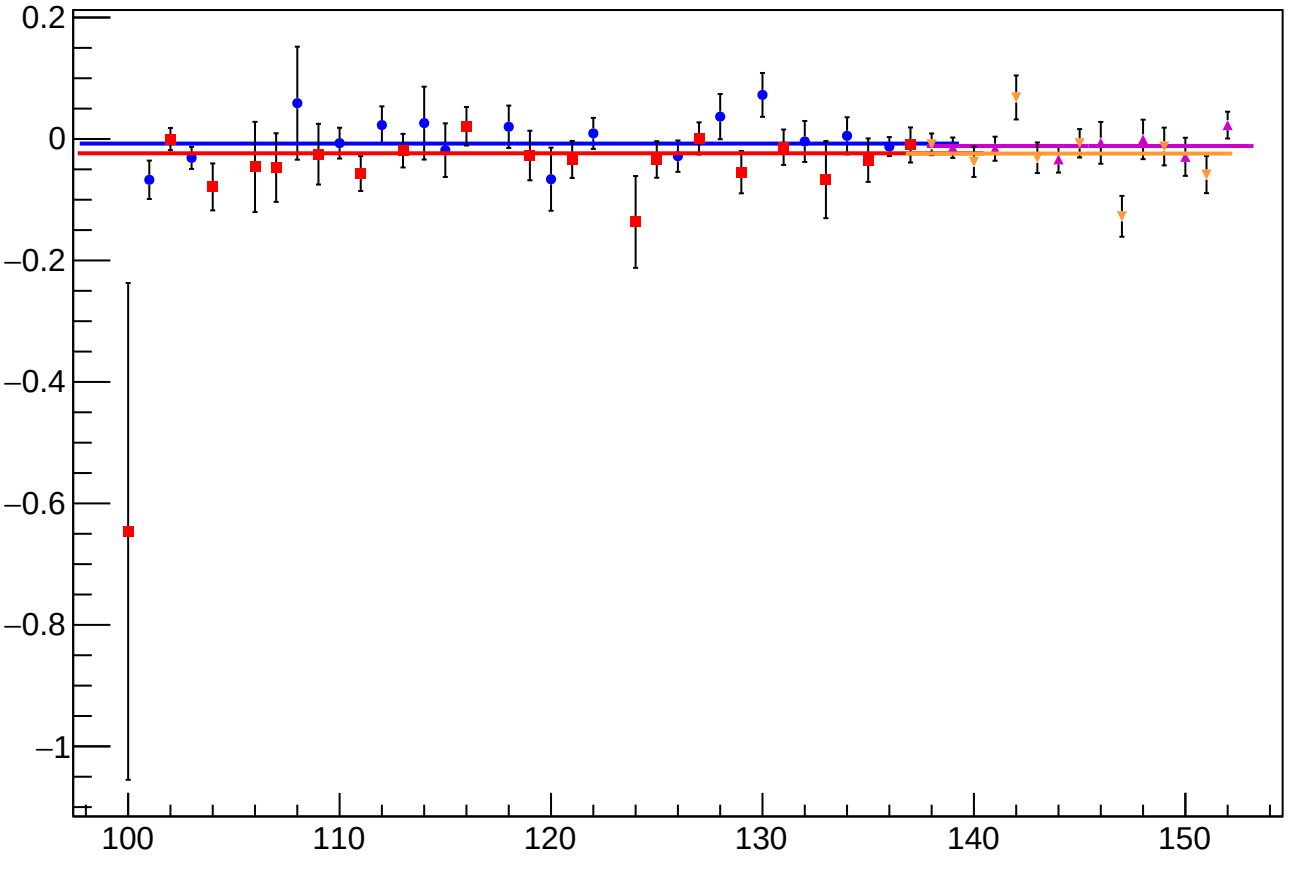
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.241+/-0.006 χ^2/NDF:616654.7/6

+ sign 19.051+/-0.004 χ^2/NDF: 1754098.0/23

All: 19.312+/-0.003 χ^2/NDF: 3647483.5/49

- sign 19.586+/-0.004 χ^2/NDF: 1884668.0/25



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.024+/-0.009 χ^2/NDF:19.0/7

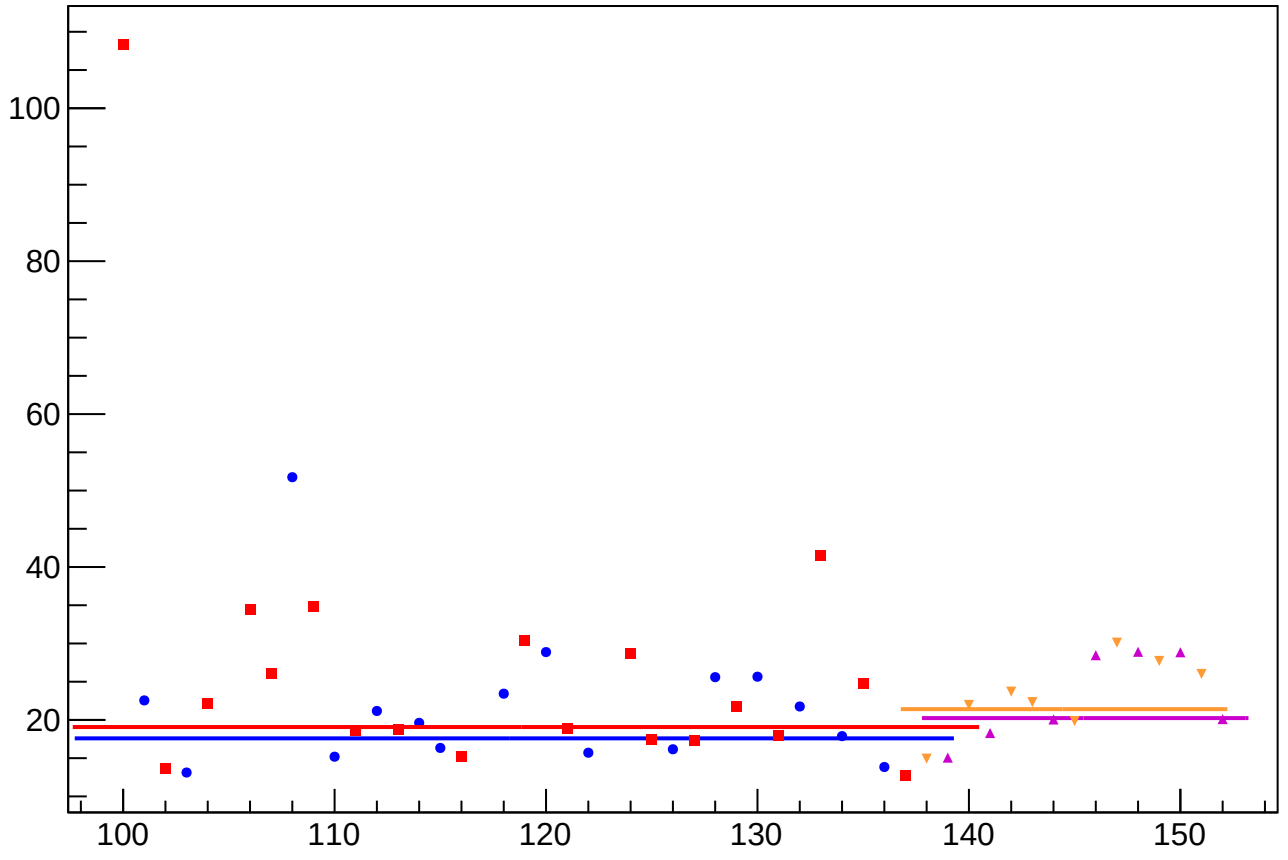
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.012+/-0.009 χ^2/NDF:4.0/6

+ sign -0.014+/-0.006 χ^2/NDF: 37.7/23

All: -0.016+/-0.004 χ^2/NDF: 57.7/49

- sign -0.018+/-0.006 χ^2/NDF: 19.7/25



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 21.411+/-0.006 χ^2/NDF:545791.8/7

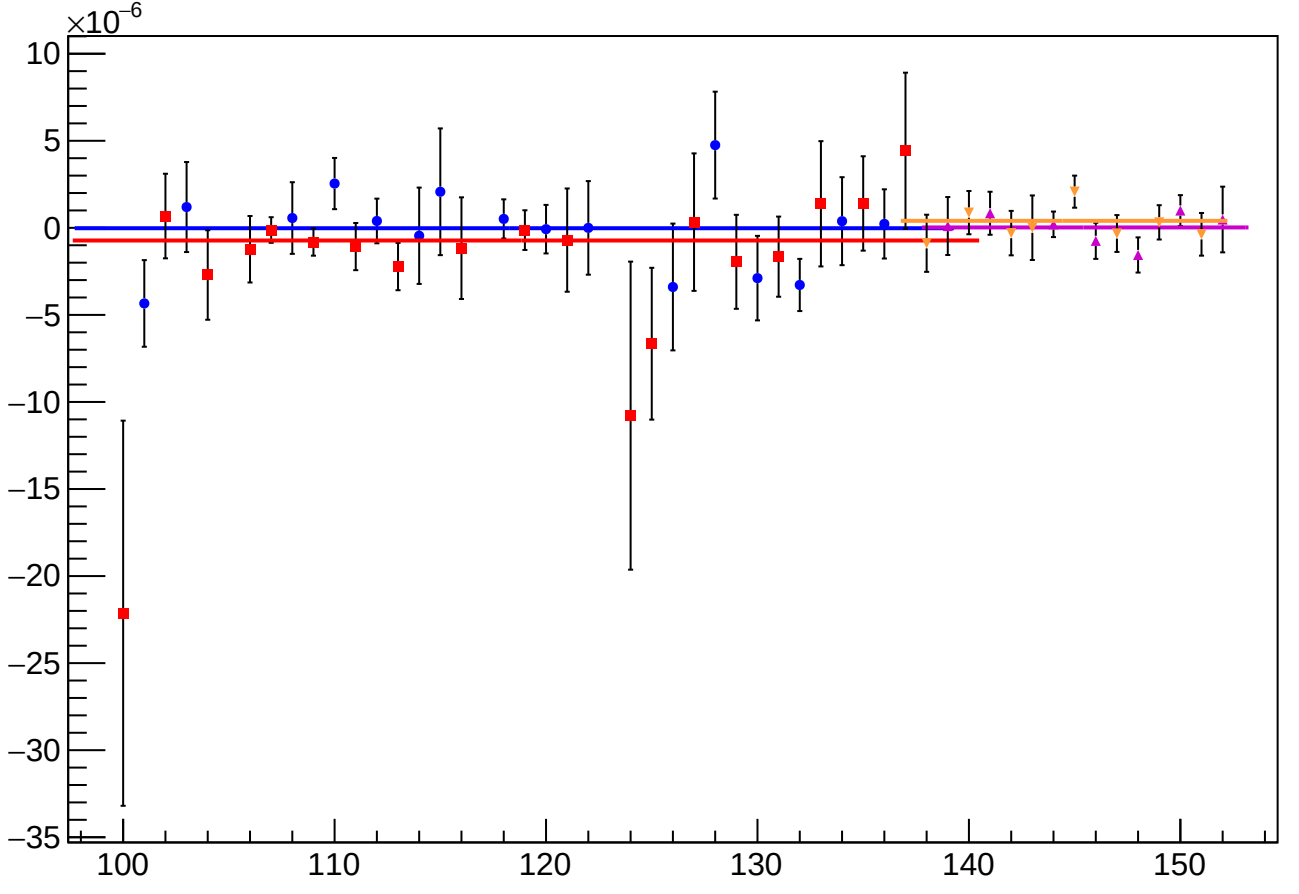
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.241+/-0.006 χ^2/NDF:616654.7/6

+ sign 19.051+/-0.004 χ^2/NDF: 1754098.0/23

All: 19.312+/-0.003 χ^2/NDF: 3647483.5/49

- sign 19.586+/-0.004 χ^2/NDF: 1884668.0/25



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/7

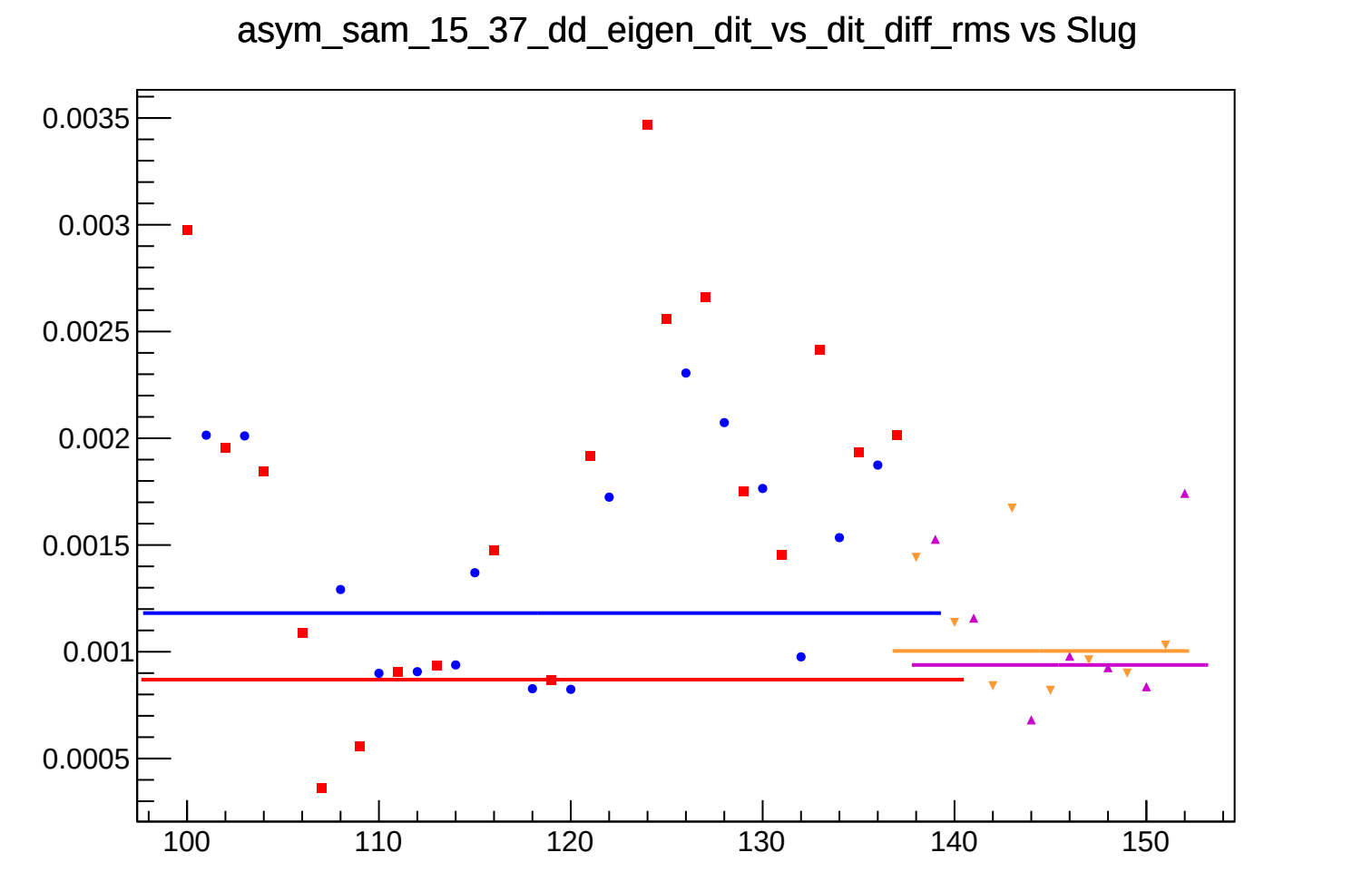
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

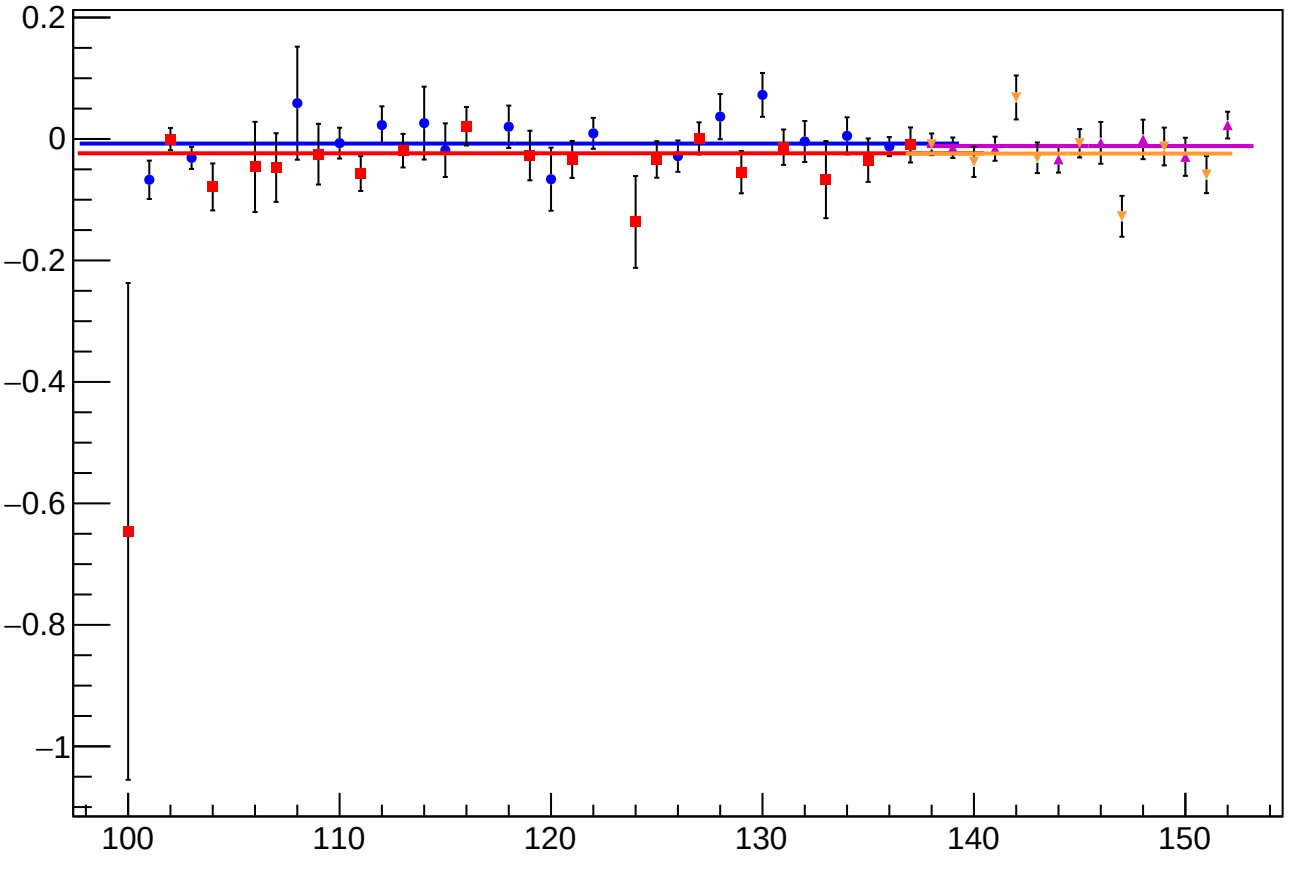
Left In: 0.000+/-0.000 χ^2/NDF:4.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 22.2/23

All: -0.000+/-0.000 χ^2/NDF: 43.7/49

- sign -0.000+/-0.000 χ^2/NDF: 19.5/25


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:564719.3/7
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:951824.3/6
+ sign 0.001+/-0.000 χ²/NDF: 2550458.5/23
All: 0.001+/-0.000 χ²/NDF: 8338903.3/49
- sign 0.001+/-0.000 χ²/NDF: 5418452.5/25



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.024+/-0.009 χ^2/NDF:19.0/7

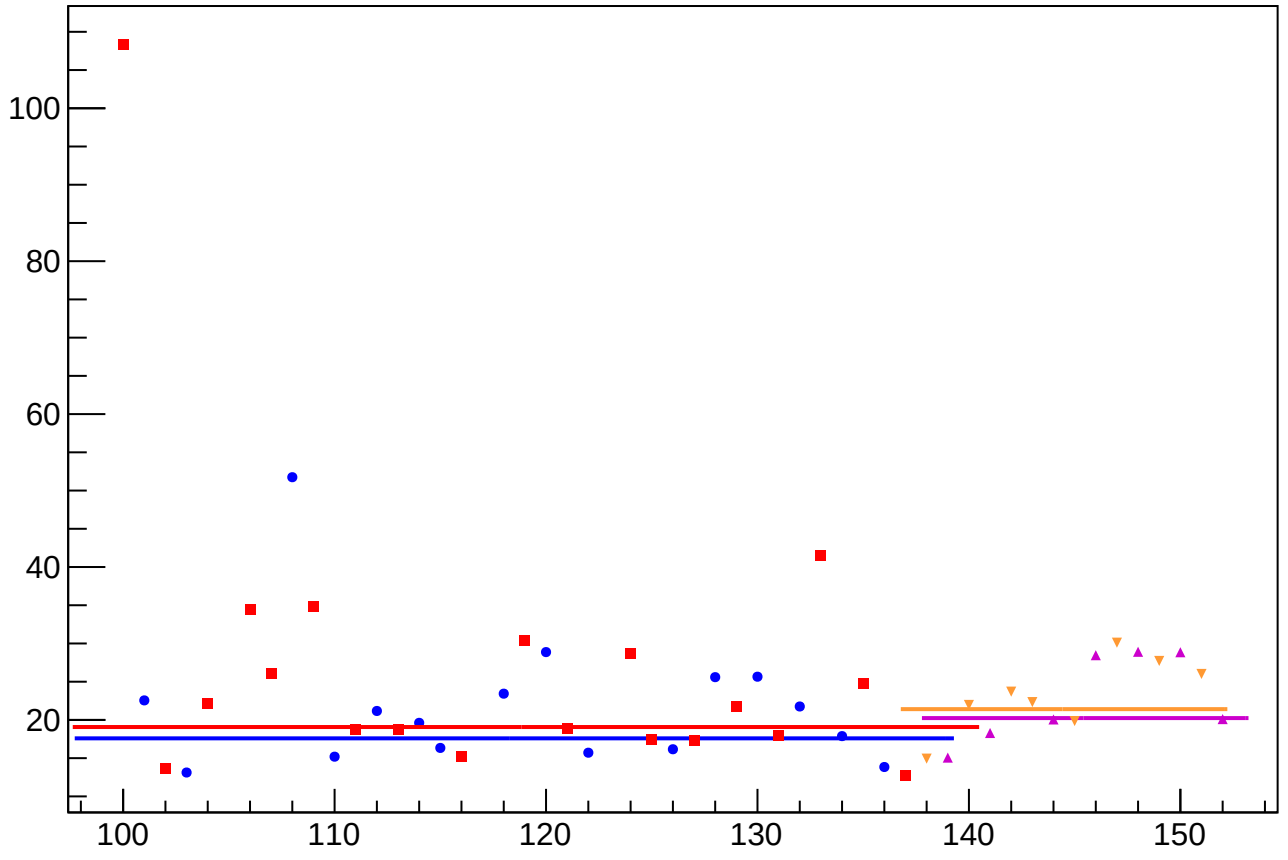
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.012+/-0.009 χ^2/NDF:4.0/6

+ sign -0.014+/-0.006 χ^2/NDF: 37.7/23

All: -0.016+/-0.004 χ^2/NDF: 57.7/49

- sign -0.018+/-0.006 χ^2/NDF: 19.7/25



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 21.412+/-0.006 χ^2/NDF:545780.1/7

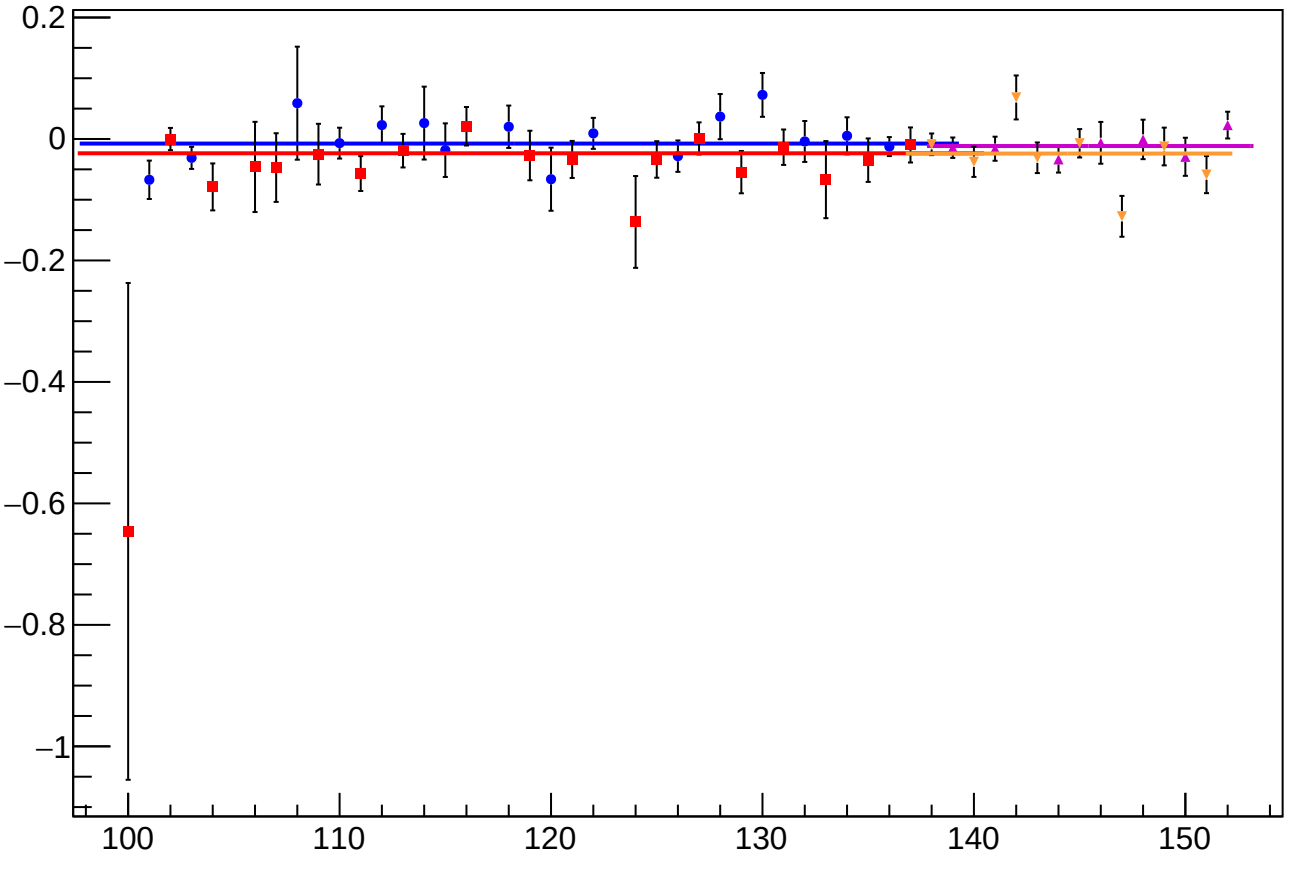
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 20.241+/-0.006 χ^2/NDF:616614.4/6

+ sign 19.051+/-0.004 χ^2/NDF: 1754132.9/23

All: 19.312+/-0.003 χ^2/NDF: 3647404.2/49

- sign 19.586+/-0.004 χ^2/NDF: 1884546.4/25



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.024+/-0.009 χ^2/NDF:19.0/7

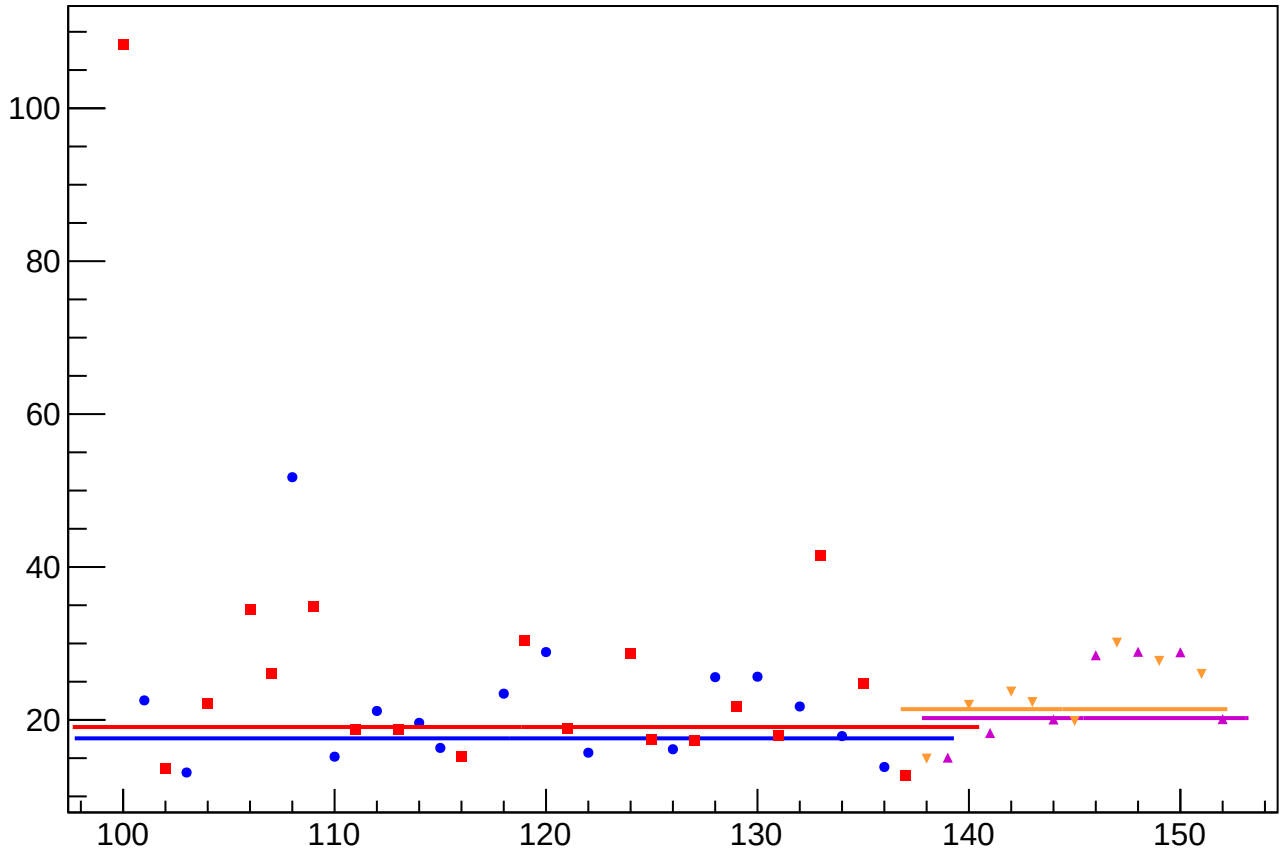
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.012+/-0.009 χ^2/NDF:4.0/6

+ sign -0.014+/-0.006 χ^2/NDF: 37.7/23

All: -0.016+/-0.004 χ^2/NDF: 57.7/49

- sign -0.018+/-0.006 χ^2/NDF: 19.7/25



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 21.412+/-0.006 χ^2/NDF:545780.1/7

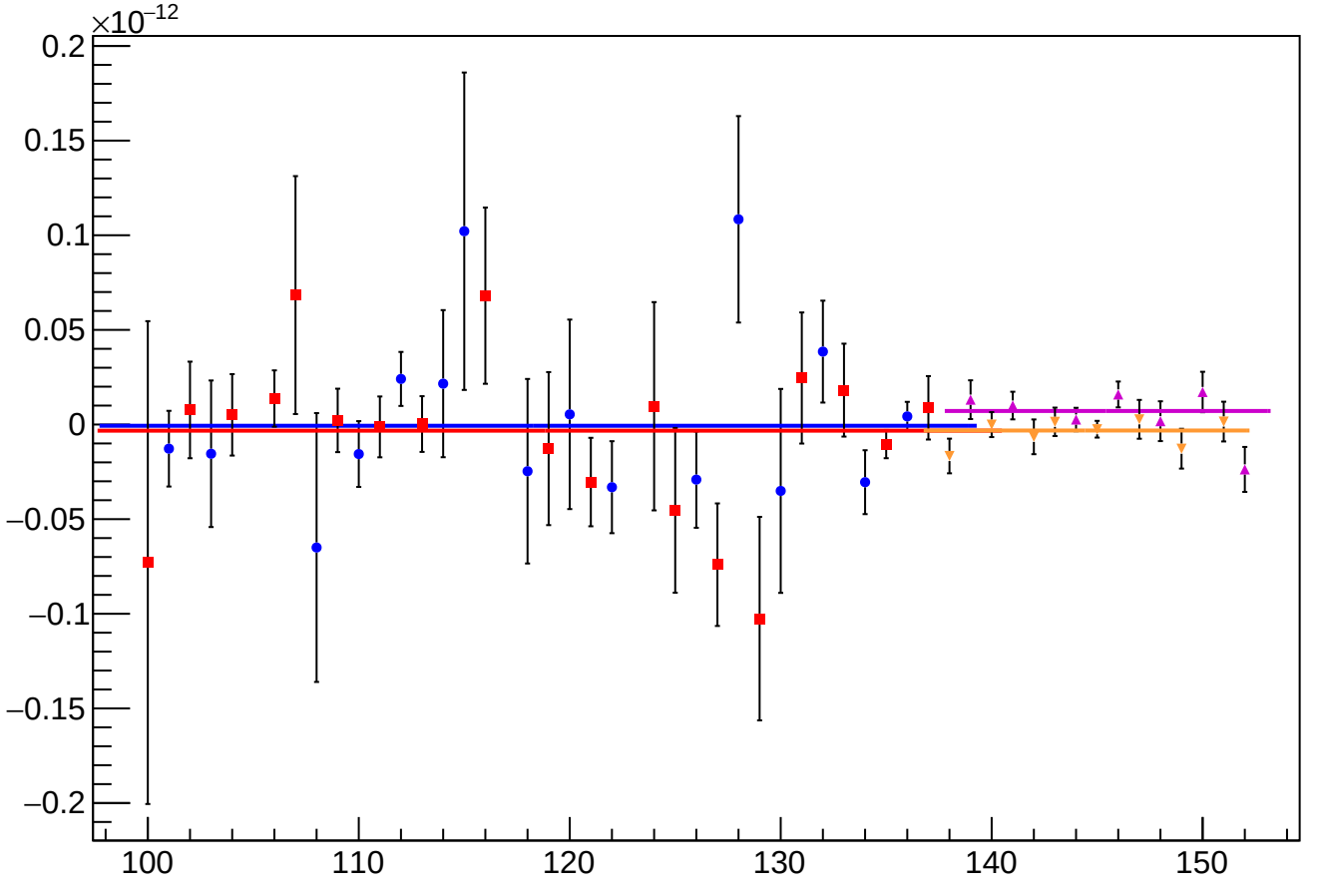
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 20.241+/-0.006 χ^2/NDF:616614.4/6

+ sign 19.051+/-0.004 χ^2/NDF: 1754132.9/23

All: 19.312+/-0.003 χ^2/NDF: 3647404.2/49

- sign 19.586+/-0.004 χ^2/NDF: 1884546.4/25



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/7

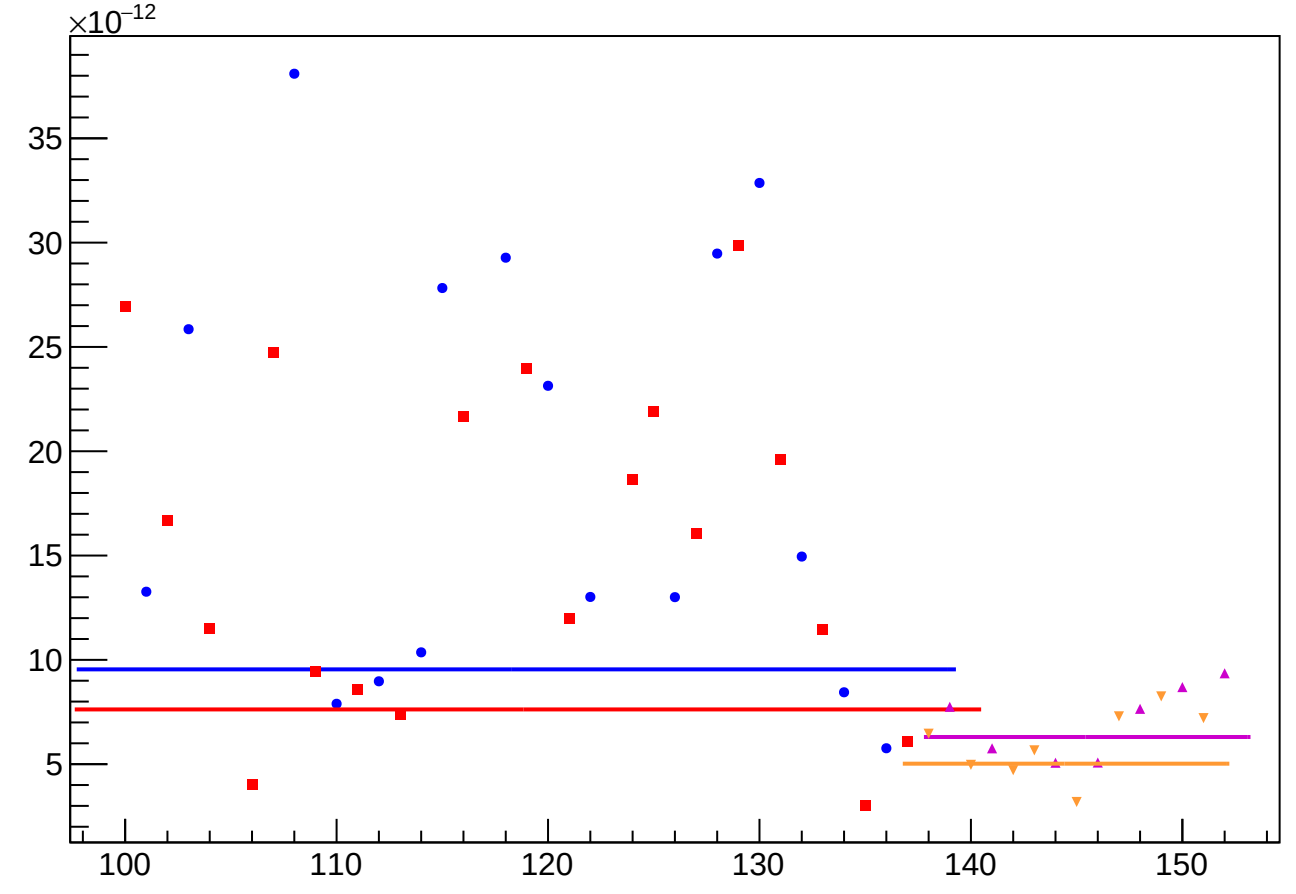
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 24.7/23

All: 0.000+/-0.000 χ^2/NDF: 61.4/49

- sign 0.000+/-0.000 χ^2/NDF: 33.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:783965.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

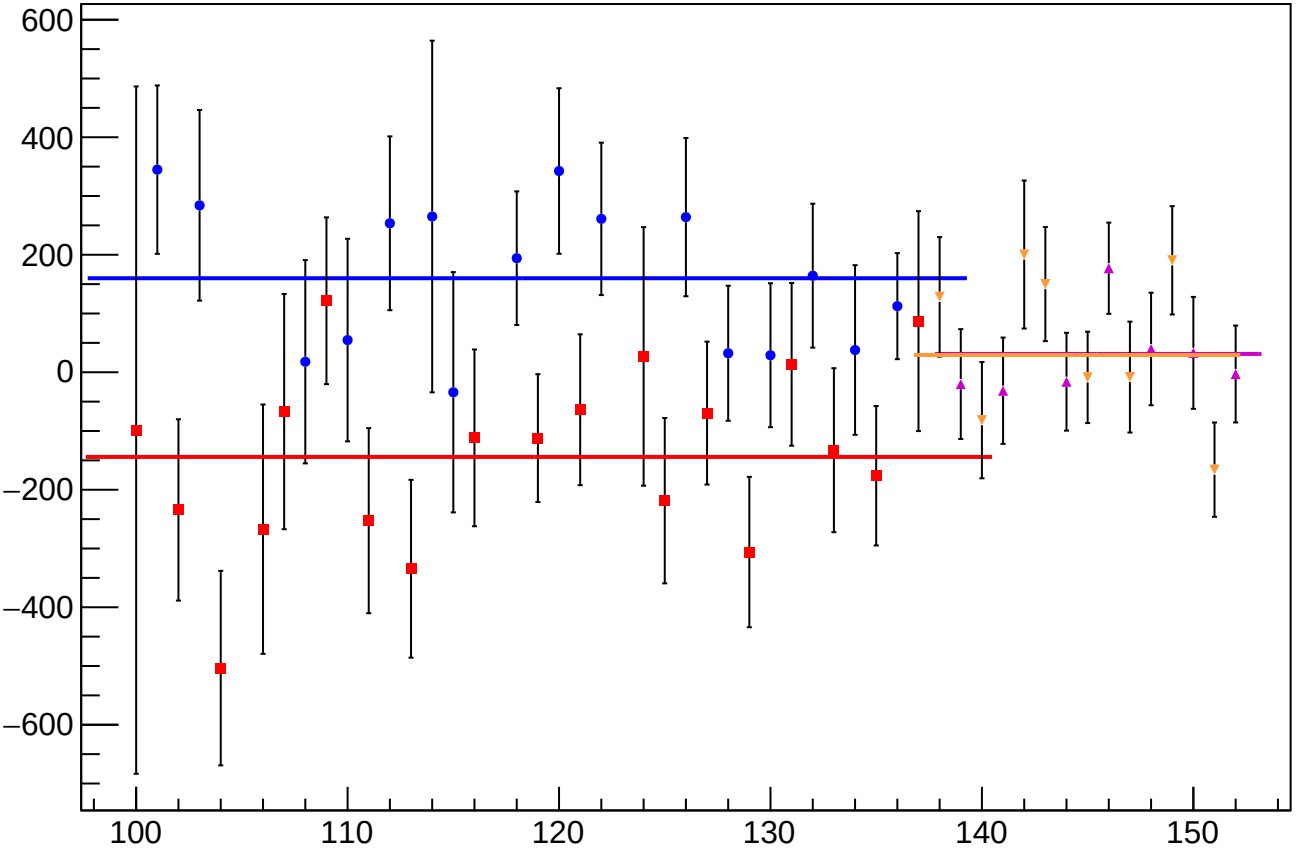
Left In: 0.000+/-0.000 χ^2/NDF:460317.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 4668542.9/23

All: 0.000+/-0.000 χ^2/NDF: 8423897.5/49

- sign 0.000+/-0.000 χ^2/NDF: 3662559.7/25

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 29.356+/-33.002 χ^2/NDF:14.9/7

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

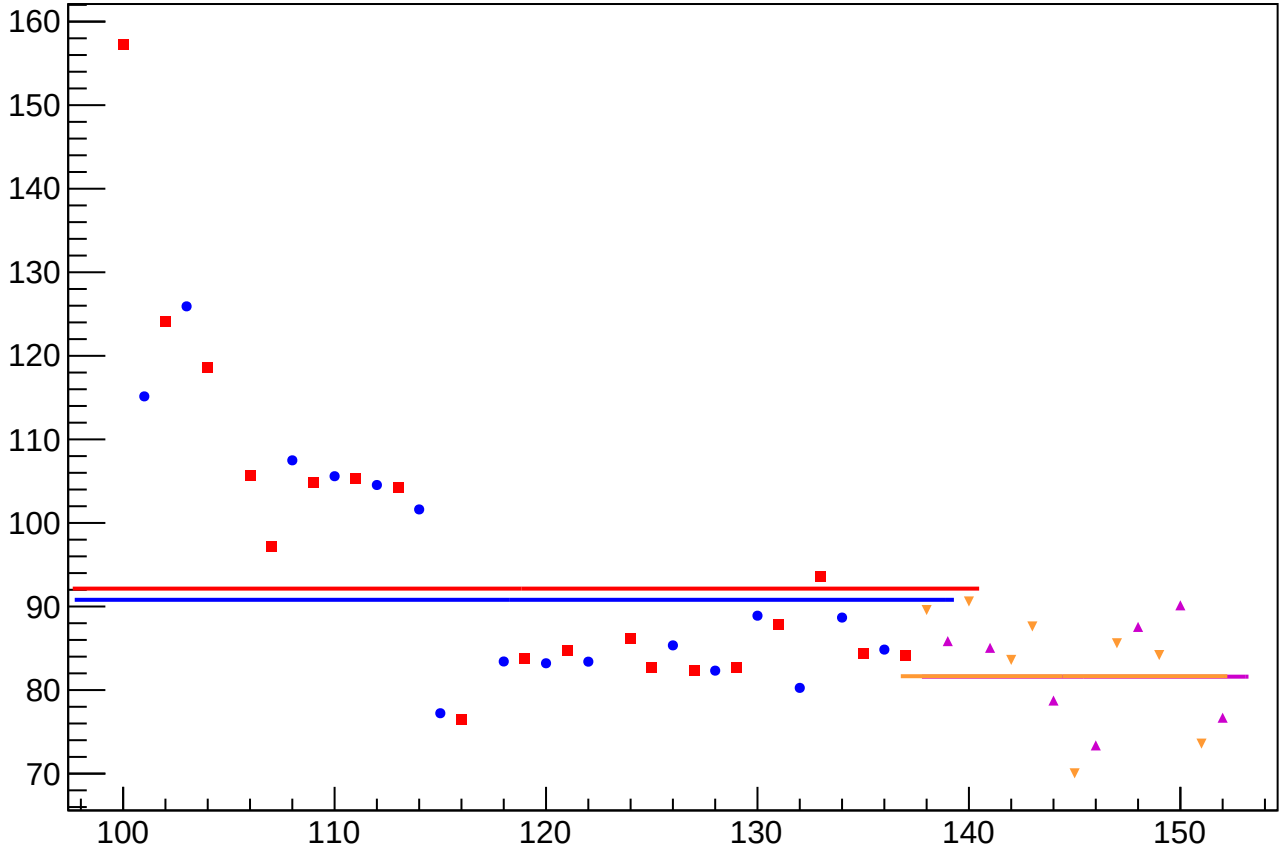
Left In: 31.150+/-33.097 χ^2/NDF:4.8/6

+ sign 92.420+/-23.738 χ^2/NDF: 33.6/23

All: 19.574+/-16.803 χ^2/NDF: 88.2/49

- sign -53.577+/-23.788 χ^2/NDF: 35.8/25

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 81.658+/-0.023 χ^2/NDF:106324.3/7

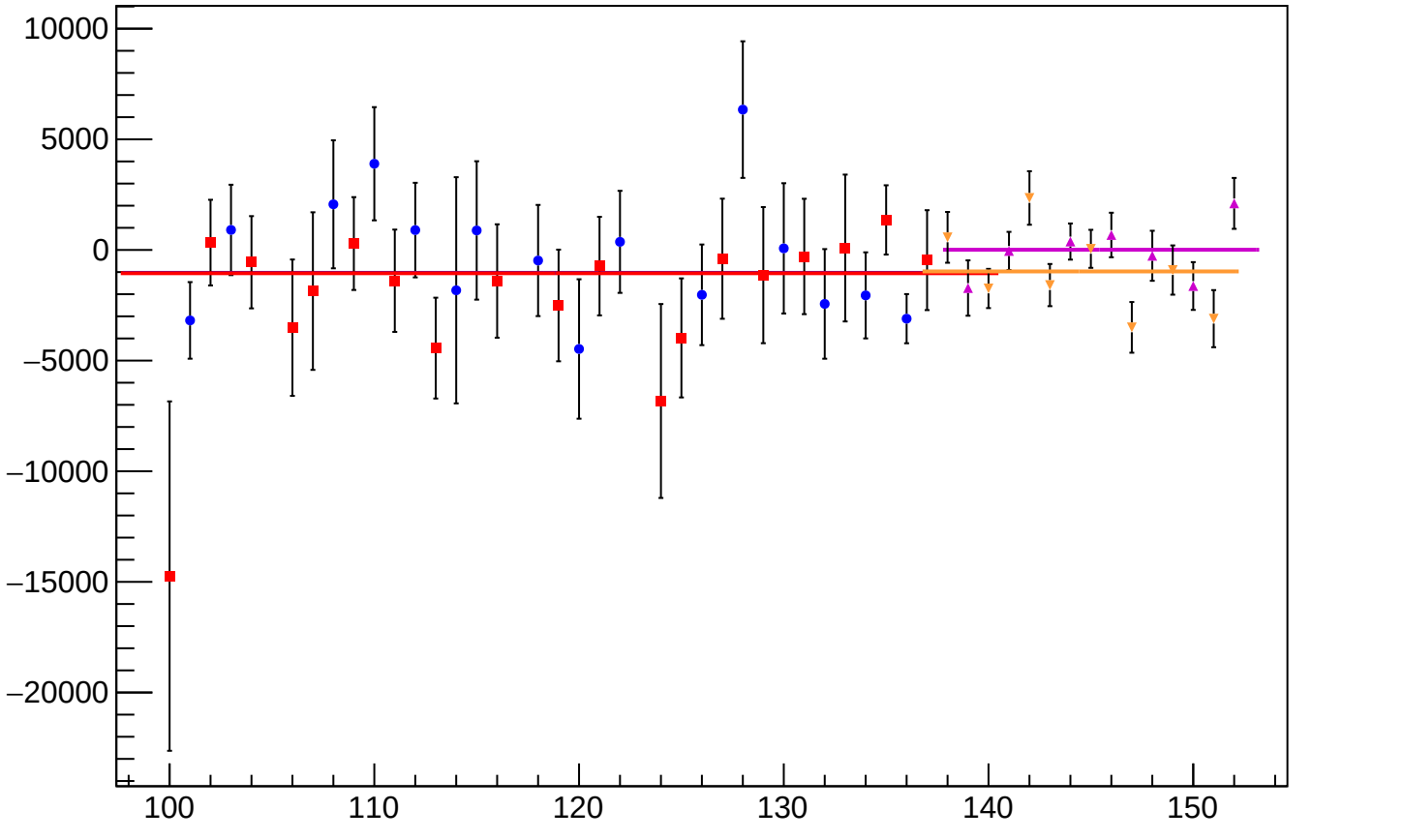
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 81.604+/-0.023 χ^2/NDF:62760.3/6

+ sign 86.071+/-0.017 χ^2/NDF: 453182.4/23

All: 86.384+/-0.012 χ^2/NDF: 916677.0/49

- sign 86.698+/-0.017 χ^2/NDF: 462798.9/25



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -970.664+/-369.101 χ^2/NDF:19.5/7

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

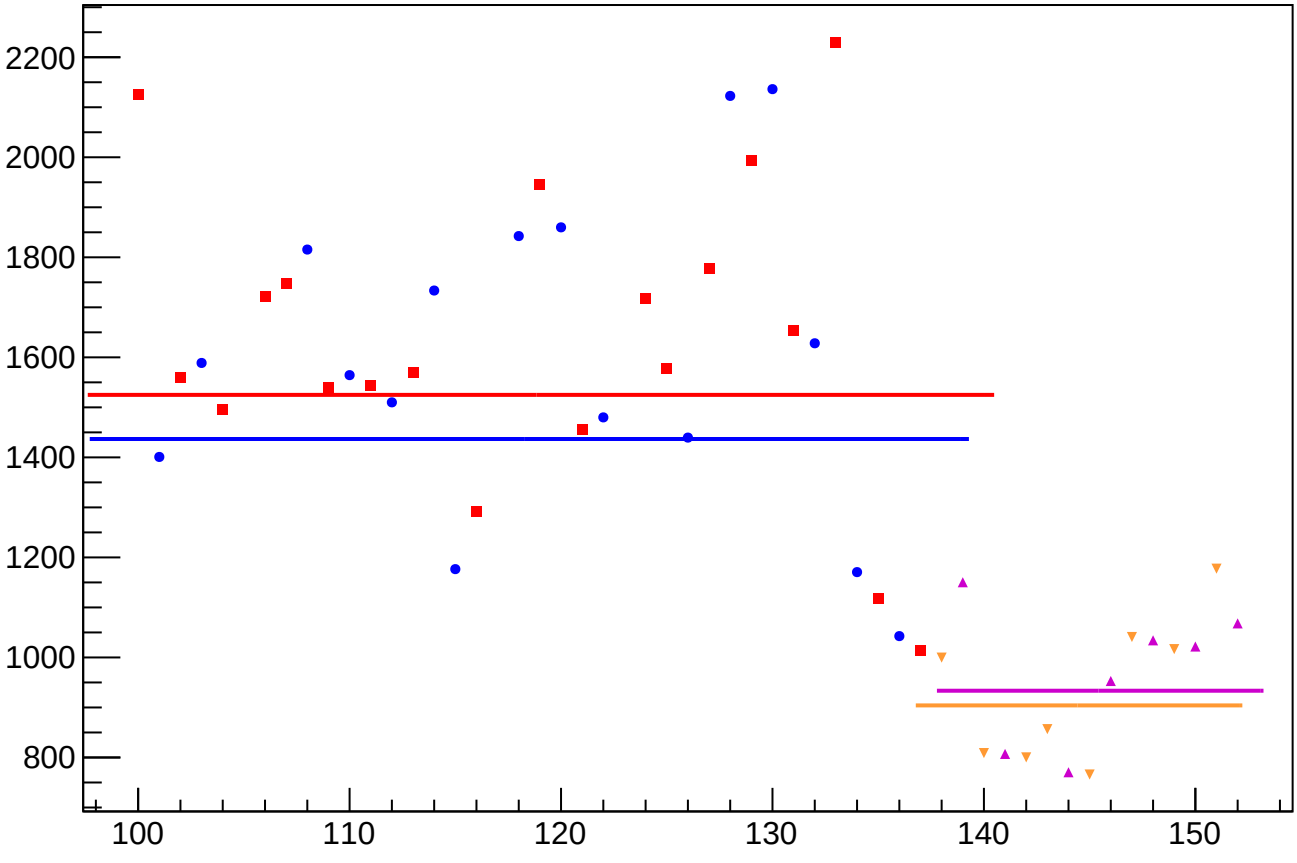
Left In: 9.139+/-381.597 χ^2/NDF:8.2/6

+ sign -990.641+/-306.519 χ^2/NDF: 39.8/23

All: -666.482+/-220.325 χ^2/NDF: 65.6/49

- sign -319.964+/-316.914 χ^2/NDF: 23.5/25

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 904.116+/-0.261 χ^2/NDF:247046.7/7

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

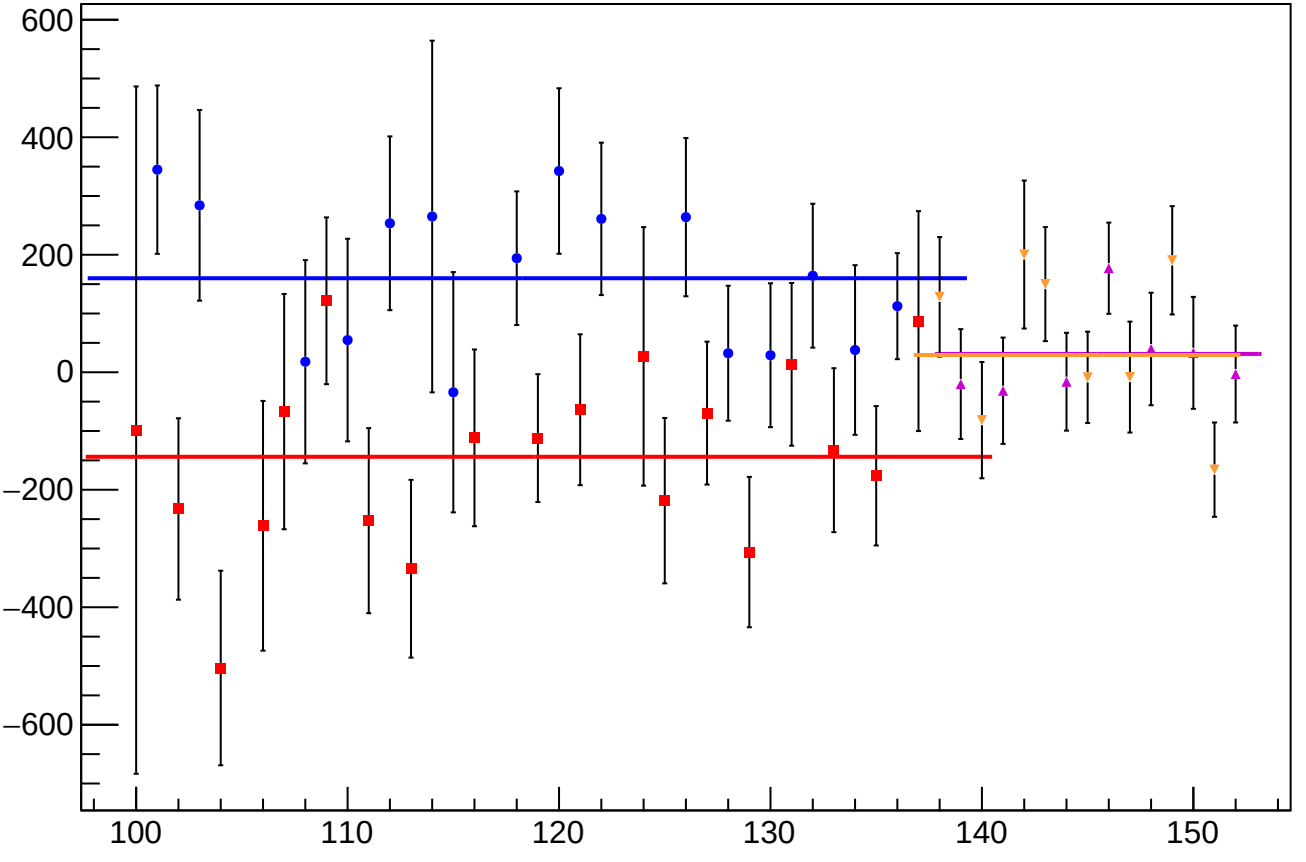
Left In: 933.472+/-0.270 χ^2/NDF:240132.1/6

+ sign 1069.418+/-0.217 χ^2/NDF: 2215230.8/23

All: 1092.415+/-0.156 χ^2/NDF: 4474166.8/49

- sign 1116.999+/-0.224 χ^2/NDF: 2235642.9/25

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 29.358+/-33.002 χ^2/NDF:14.9/7

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

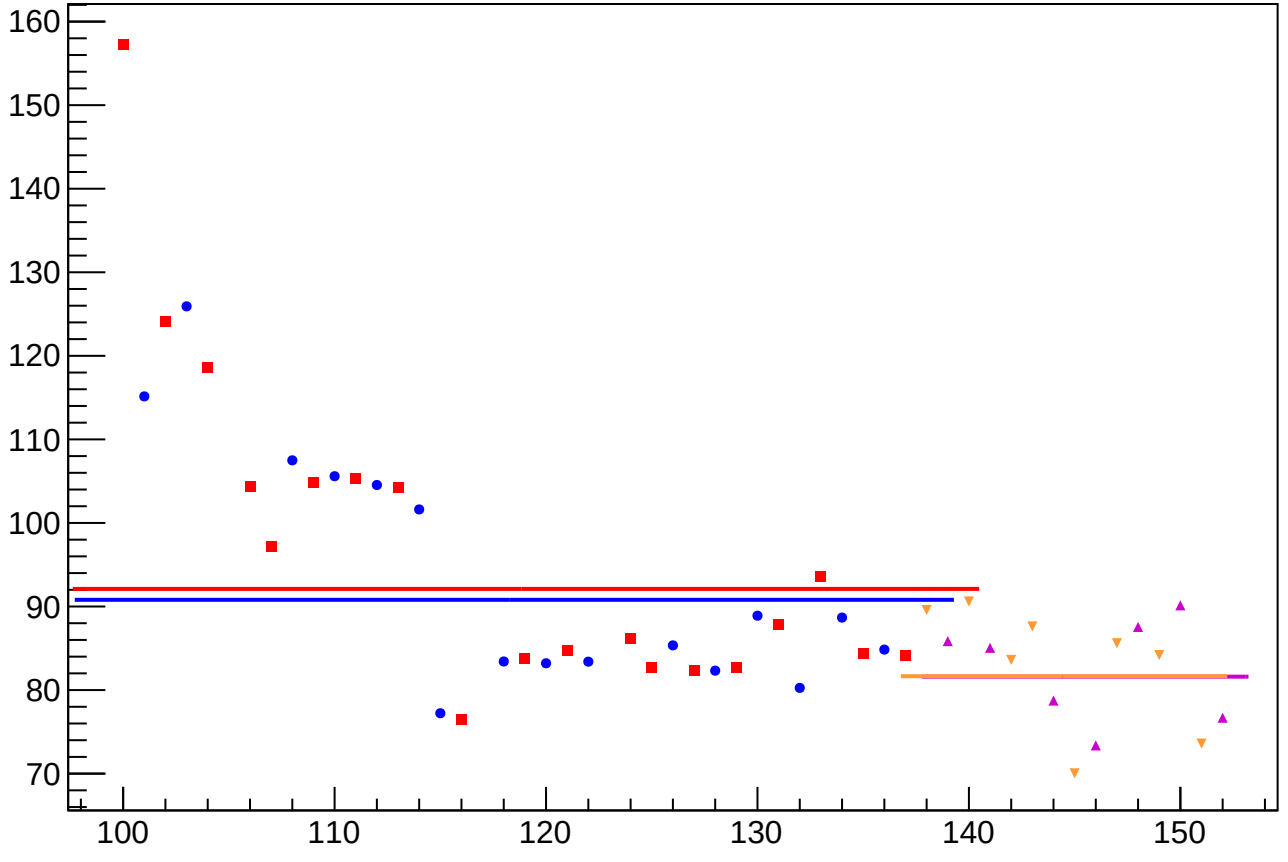
Left In: 31.147+/-33.097 χ^2/NDF:4.8/6

+ sign 92.419+/-23.738 χ^2/NDF: 33.6/23

All: 19.640+/-16.803 χ^2/NDF: 88.1/49

- sign -53.450+/-23.789 χ^2/NDF: 35.7/25

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 81.658+/-0.023 χ^2/NDF:106324.3/7

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

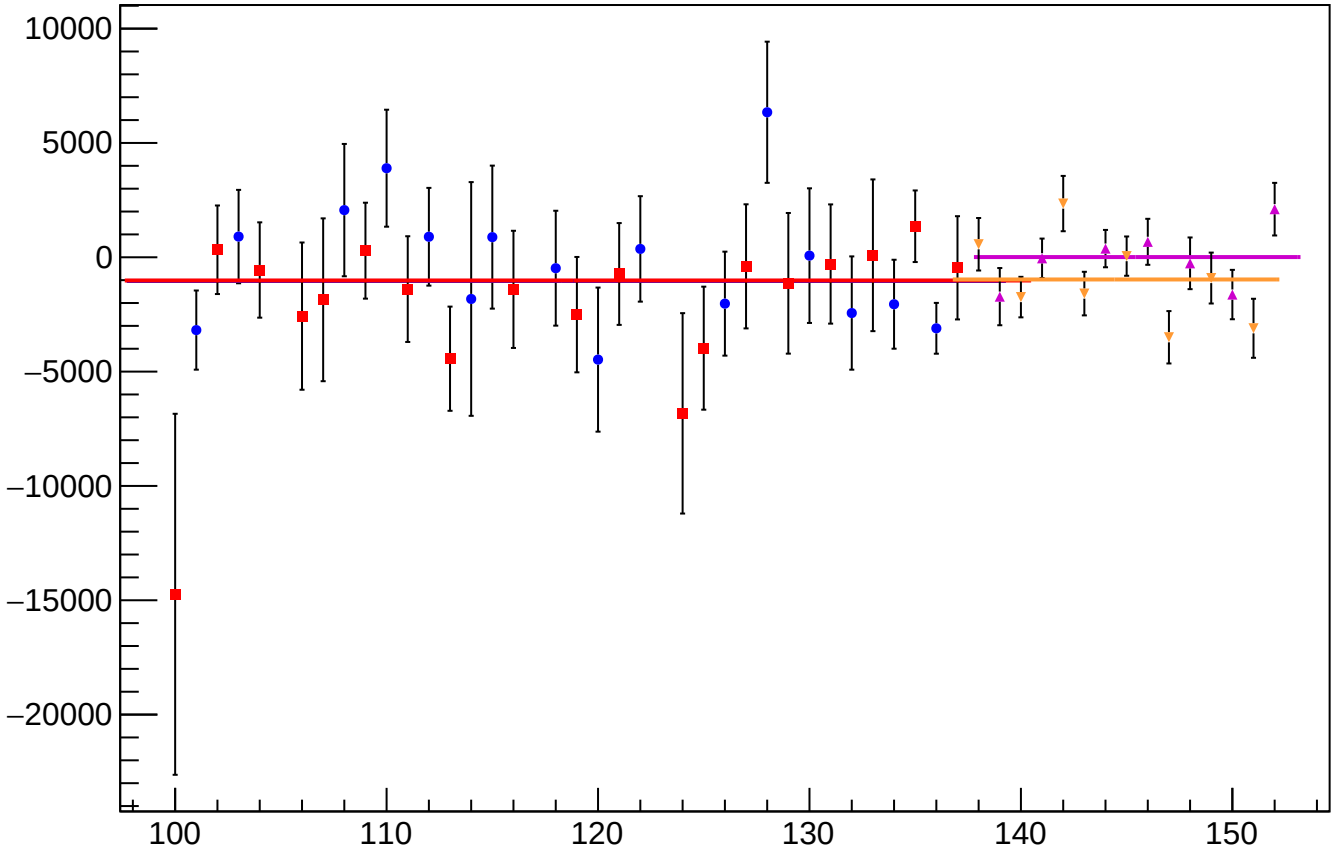
Left In: 81.604+/-0.023 χ^2/NDF:62760.3/6

\+ sign 86.071+/-0.017 χ^2/NDF: 453184.3/23

All: 86.376+/-0.012 χ^2/NDF: 914758.1/49

\- sign 86.681+/-0.017 χ^2/NDF: 460913.8/25

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -970.657+/-369.101 χ^2/NDF:19.5/7

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

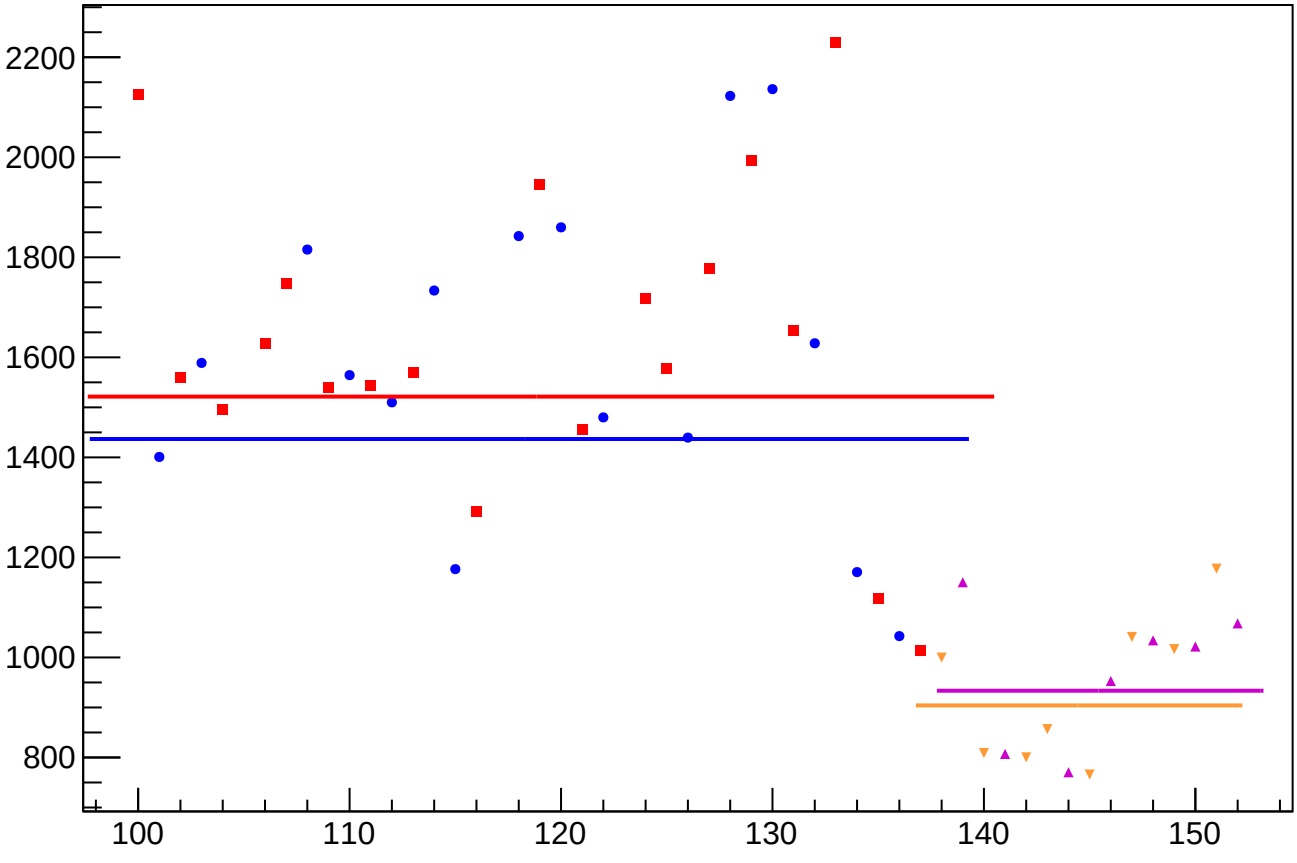
Left In: 9.133+/-381.598 χ^2/NDF:8.2/6

+ sign -990.629+/-306.519 χ^2/NDF: 39.8/23

All: -660.903+/-220.373 χ^2/NDF: 65.1/49

- sign -308.113+/-317.058 χ^2/NDF: 22.9/25

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 904.115+/-0.261 χ^2/NDF:247047.2/7

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

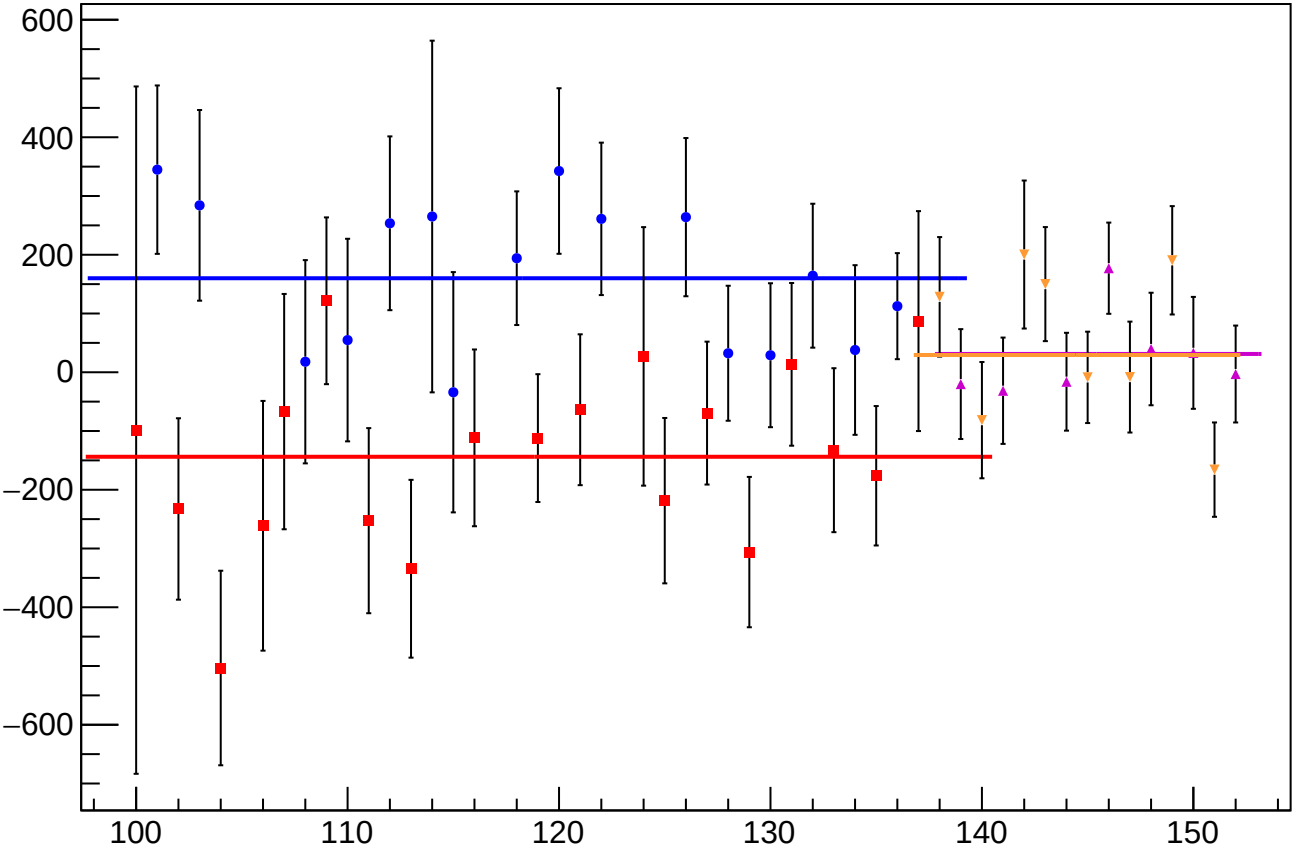
Left In: 933.472+/-0.270 χ^2/NDF:240132.7/6

+ sign 1069.418+/-0.217 χ^2/NDF: 2215254.2/23

All: 1091.707+/-0.156 χ^2/NDF: 4446209.1/49

- sign 1115.555+/-0.224 χ^2/NDF: 2209064.0/25

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 29.358+/-33.002 χ^2/NDF:14.9/7

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

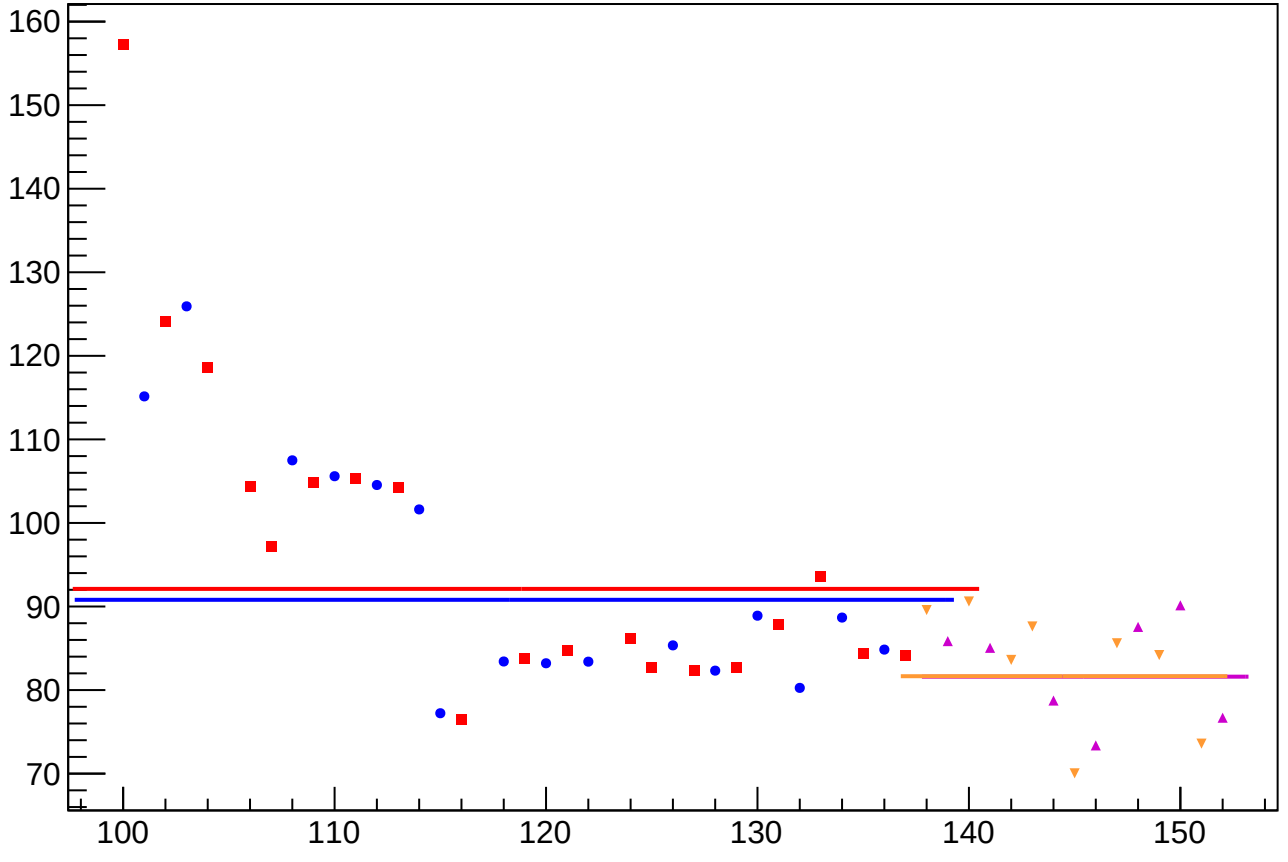
Left In: 31.147+/-33.097 χ^2/NDF:4.8/6

+ sign 92.419+/-23.738 χ^2/NDF: 33.6/23

All: 19.640+/-16.803 χ^2/NDF: 88.1/49

- sign -53.450+/-23.789 χ^2/NDF: 35.7/25

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 81.658+/-0.023 χ^2/NDF:106324.3/7

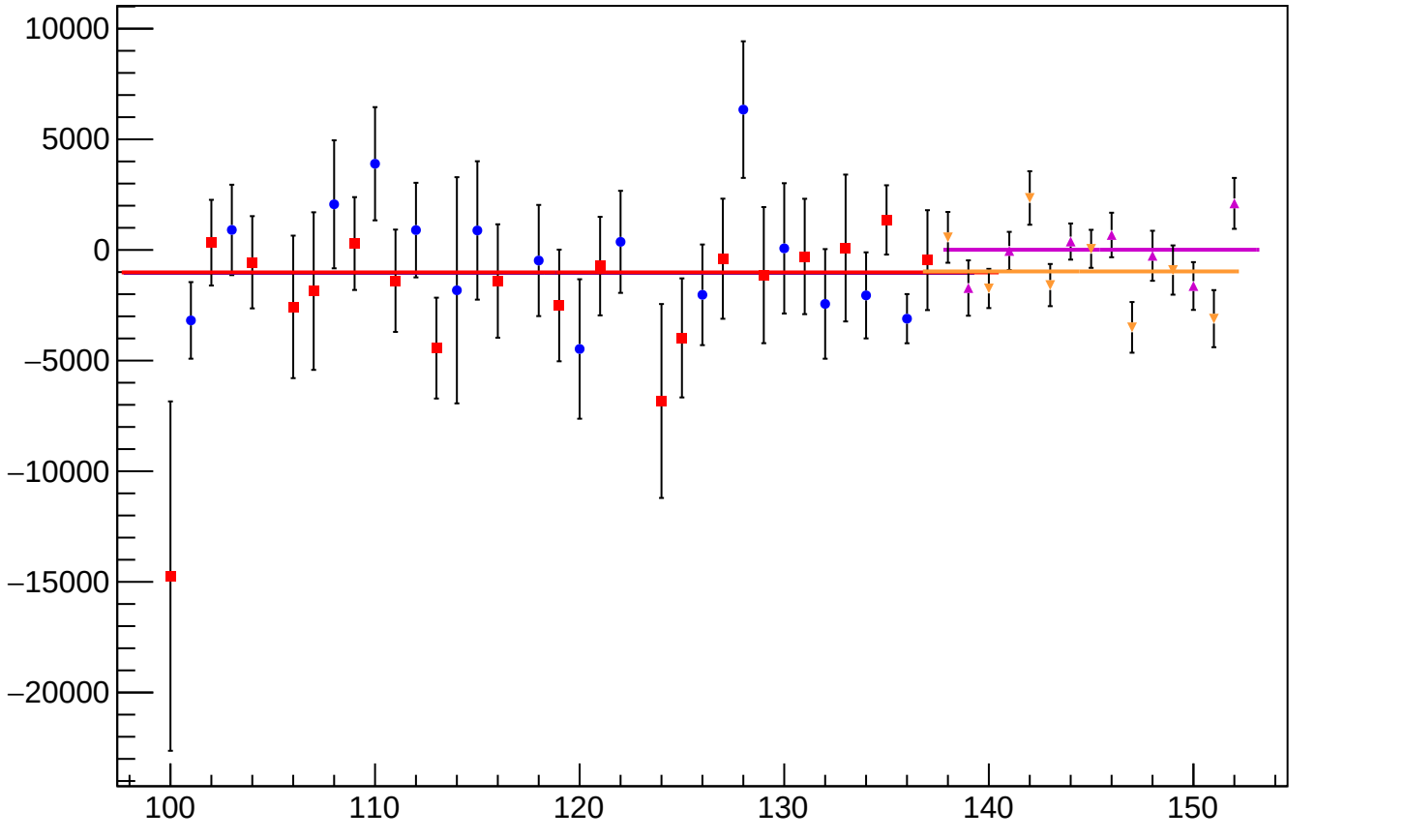
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 81.604+/-0.023 χ^2/NDF:62760.3/6

+ sign 86.071+/-0.017 χ^2/NDF: 453184.3/23

All: 86.376+/-0.012 χ^2/NDF: 914758.1/49

- sign 86.681+/-0.017 χ^2/NDF: 460913.8/25



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -970.657+/-369.101 χ^2/NDF:19.5/7

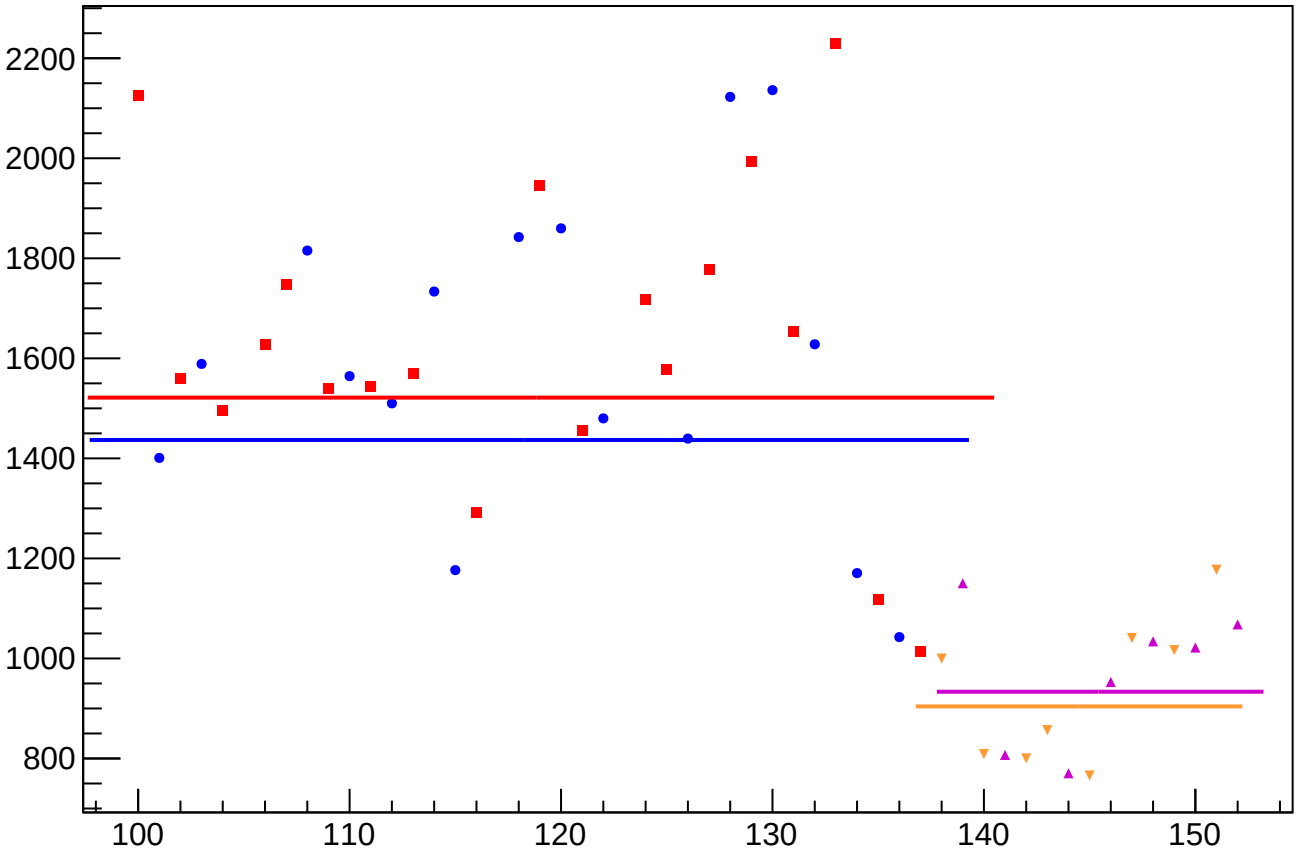
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 9.133+/-381.598 χ^2/NDF:8.2/6

\+ sign -990.629+/-306.519 χ^2/NDF: 39.8/23

All: -660.903+/-220.373 χ^2/NDF: 65.1/49

\- sign -308.113+/-317.058 χ^2/NDF: 22.9/25



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 904.115+/-0.261 χ^2/NDF:247047.2/7

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

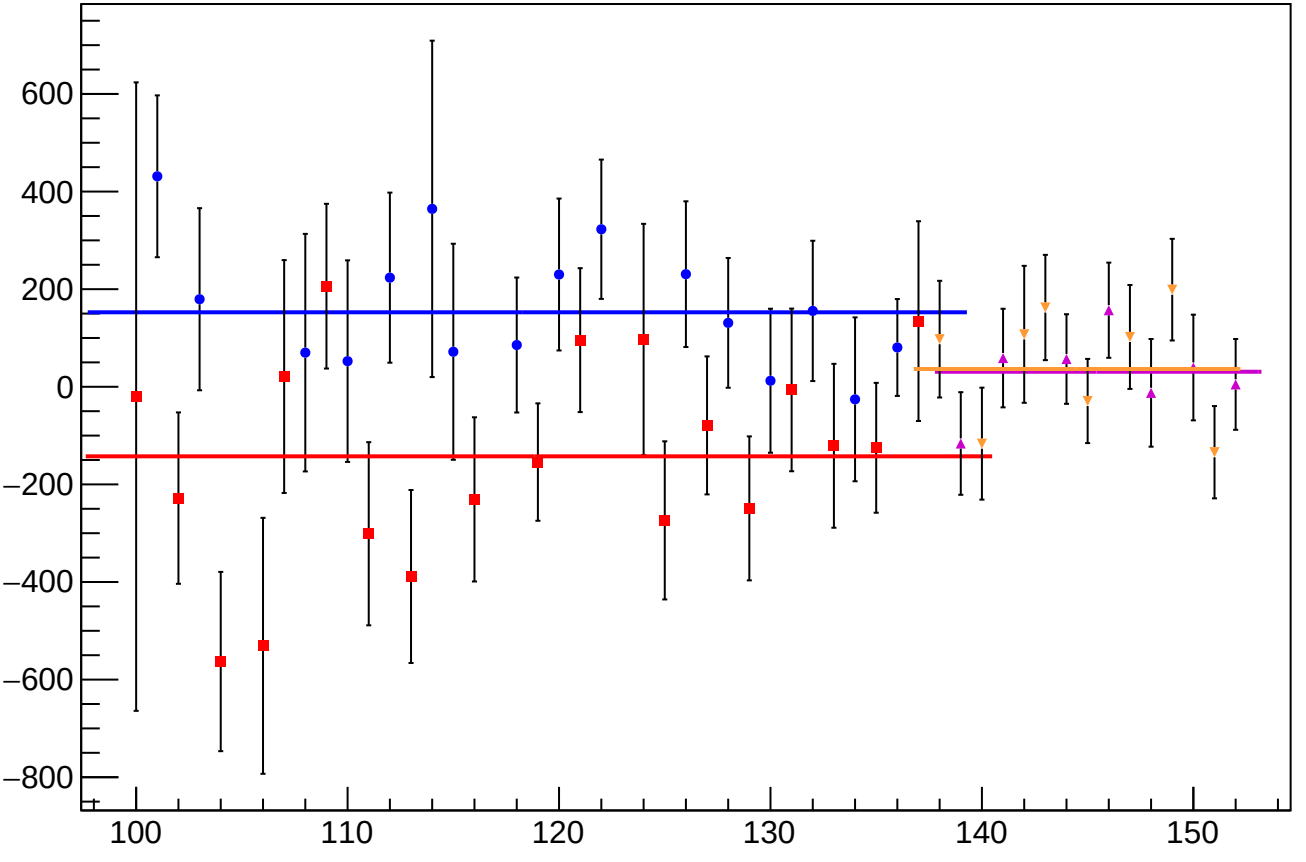
Left In: 933.472+/-0.270 χ^2/NDF:240132.7/6

+ sign 1069.418+/-0.217 χ^2/NDF: 2215254.2/23

All: 1091.707+/-0.156 χ^2/NDF: 4446209.1/49

- sign 1115.555+/-0.224 χ^2/NDF: 2209064.0/25

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 36.456+/-37.545 χ^2/NDF:10.3/7

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

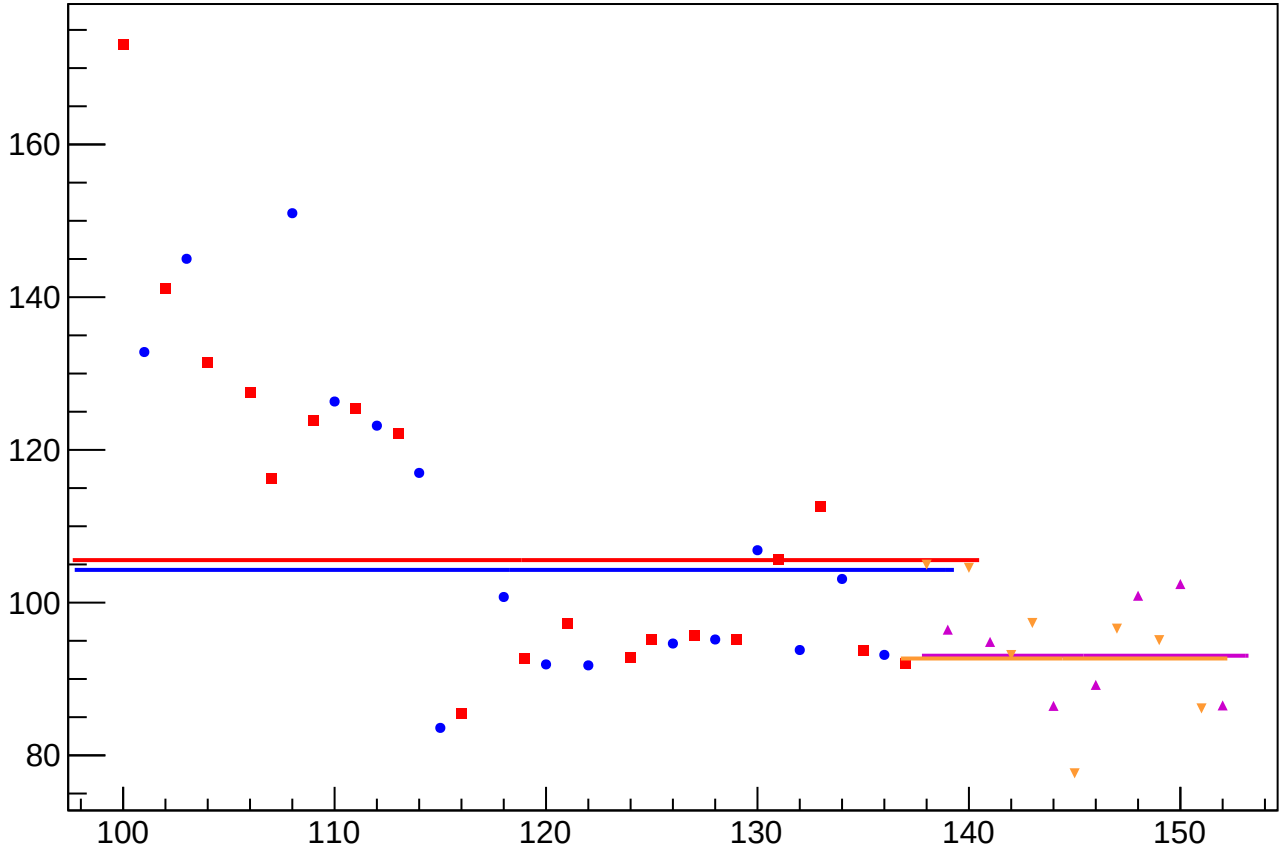
Left In: 30.809+/-37.923 χ^2/NDF:4.0/6

+ sign 91.674+/-27.196 χ^2/NDF: 23.5/23

All: 19.788+/-19.268 χ^2/NDF: 74.5/49

- sign -52.667+/-27.303 χ^2/NDF: 37.0/25

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 92.682+/-0.027 χ^2/NDF:120381.4/7

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

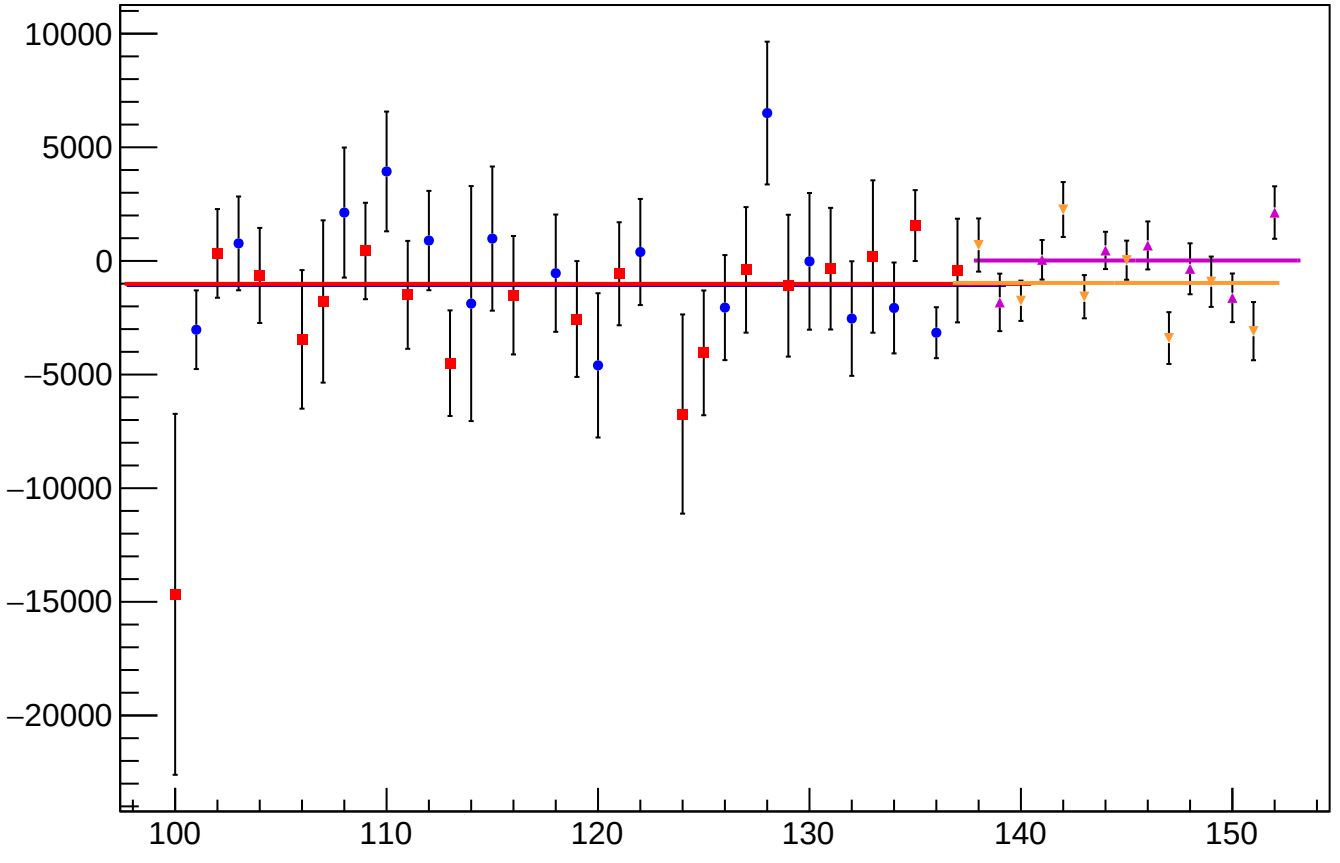
Left In: 93.047+/-0.027 χ^2/NDF:51027.6/6

\+ sign 98.198+/-0.019 χ^2/NDF: 589502.6/23

All: 98.636+/-0.014 χ^2/NDF: 1091188.4/49

\- sign 99.078+/-0.019 χ^2/NDF: 500641.6/25

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -969.635+/-369.066 χ^2/NDF:19.0/7

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

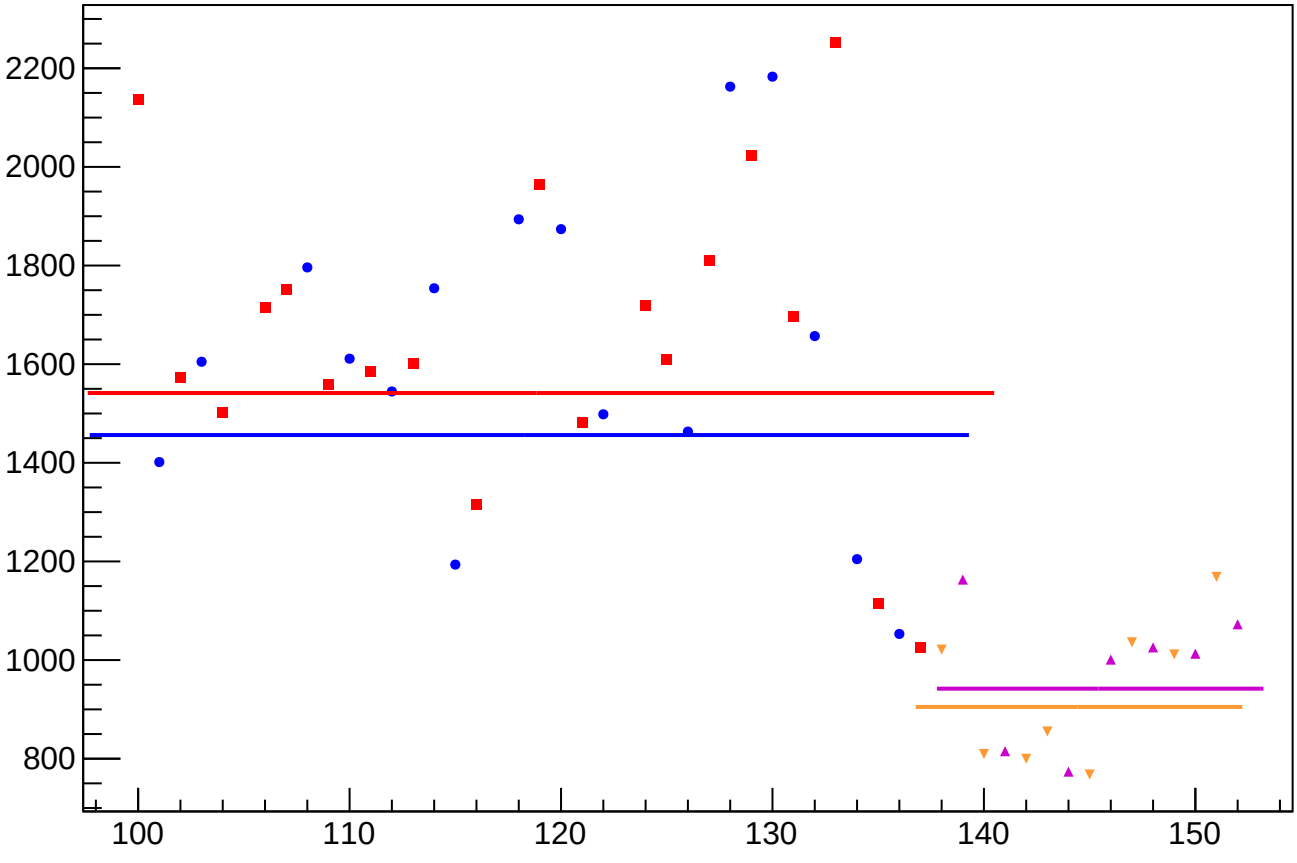
Left In: 19.023+/-384.943 χ^2/NDF:8.6/6

+ sign -996.964+/-307.767 χ^2/NDF: 39.0/23

All: -661.625+/-221.788 χ^2/NDF: 65.6/49

- sign -299.335+/-319.895 χ^2/NDF: 24.1/25

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 904.961+/-0.261 χ^2/NDF:243993.7/7

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

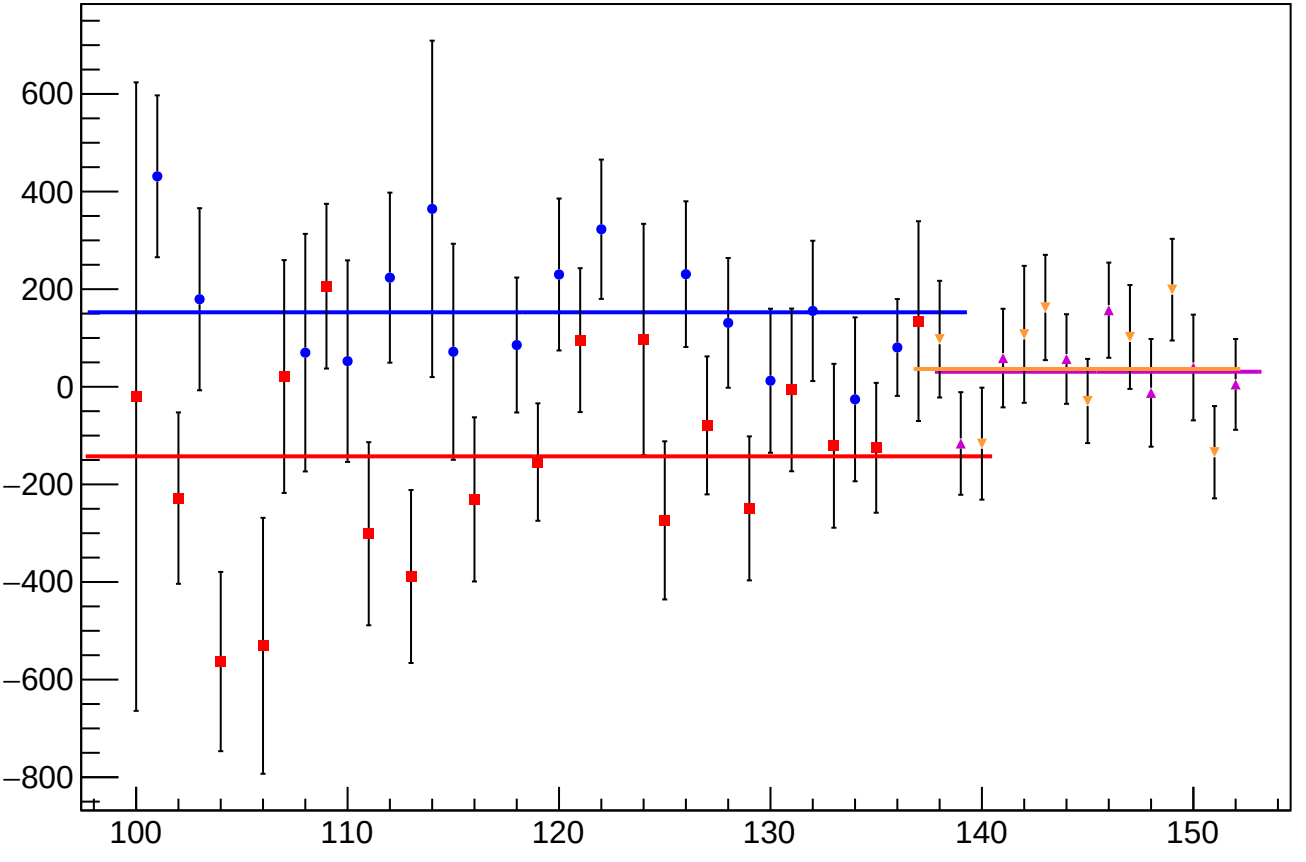
Left In: 942.017+/-0.272 χ^2/NDF:239560.2/6

+ sign 1072.899+/-0.218 χ^2/NDF: 2288343.7/23

All: 1099.149+/-0.157 χ^2/NDF: 4578407.4/49

- sign 1127.508+/-0.226 χ^2/NDF: 2259795.9/25

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 36.455+/-37.545 χ^2/NDF:10.3/7

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

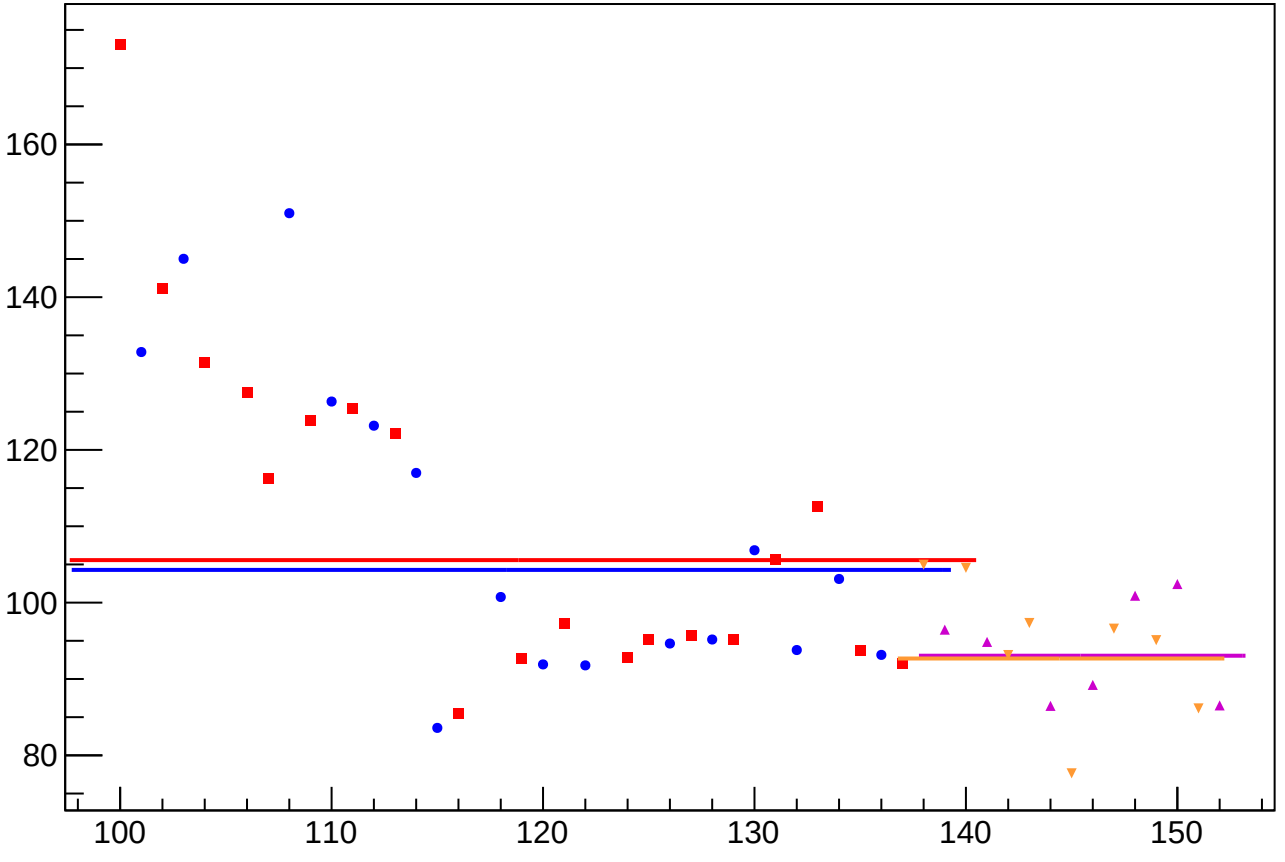
Left In: 30.808+/-37.923 χ^2/NDF:4.0/6

+ sign 91.675+/-27.196 χ^2/NDF: 23.5/23

All: 19.789+/-19.268 χ^2/NDF: 74.5/49

- sign -52.666+/-27.303 χ^2/NDF: 37.0/25

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 92.682+/-0.027 χ^2/NDF:120379.6/7

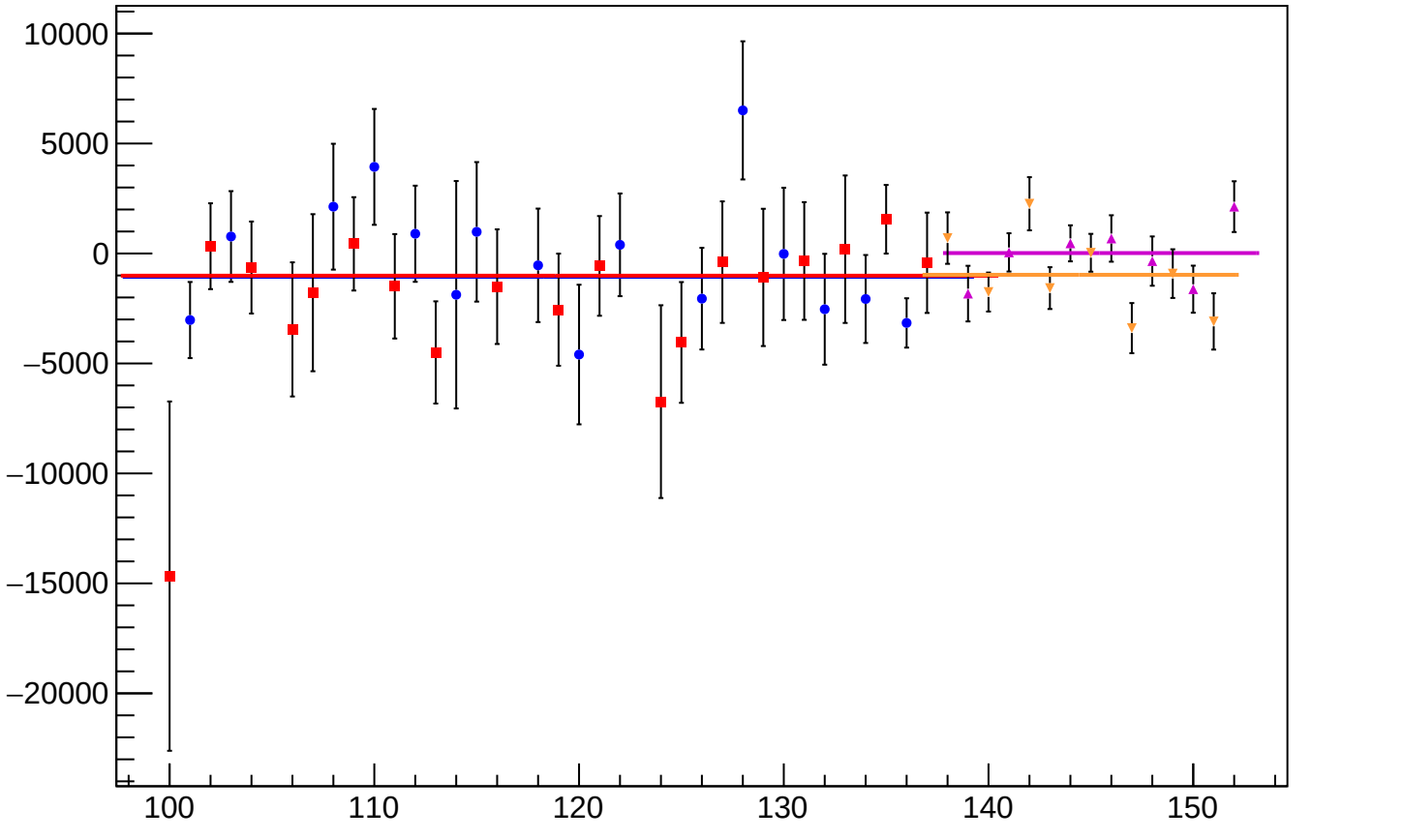
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 93.047+/-0.027 χ^2/NDF:51026.4/6

+ sign 98.197+/-0.019 χ^2/NDF: 589487.4/23

All: 98.636+/-0.014 χ^2/NDF: 1091159.8/49

- sign 99.078+/-0.019 χ^2/NDF: 500628.1/25



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -969.636+/-369.065 χ^2/NDF:19.0/7

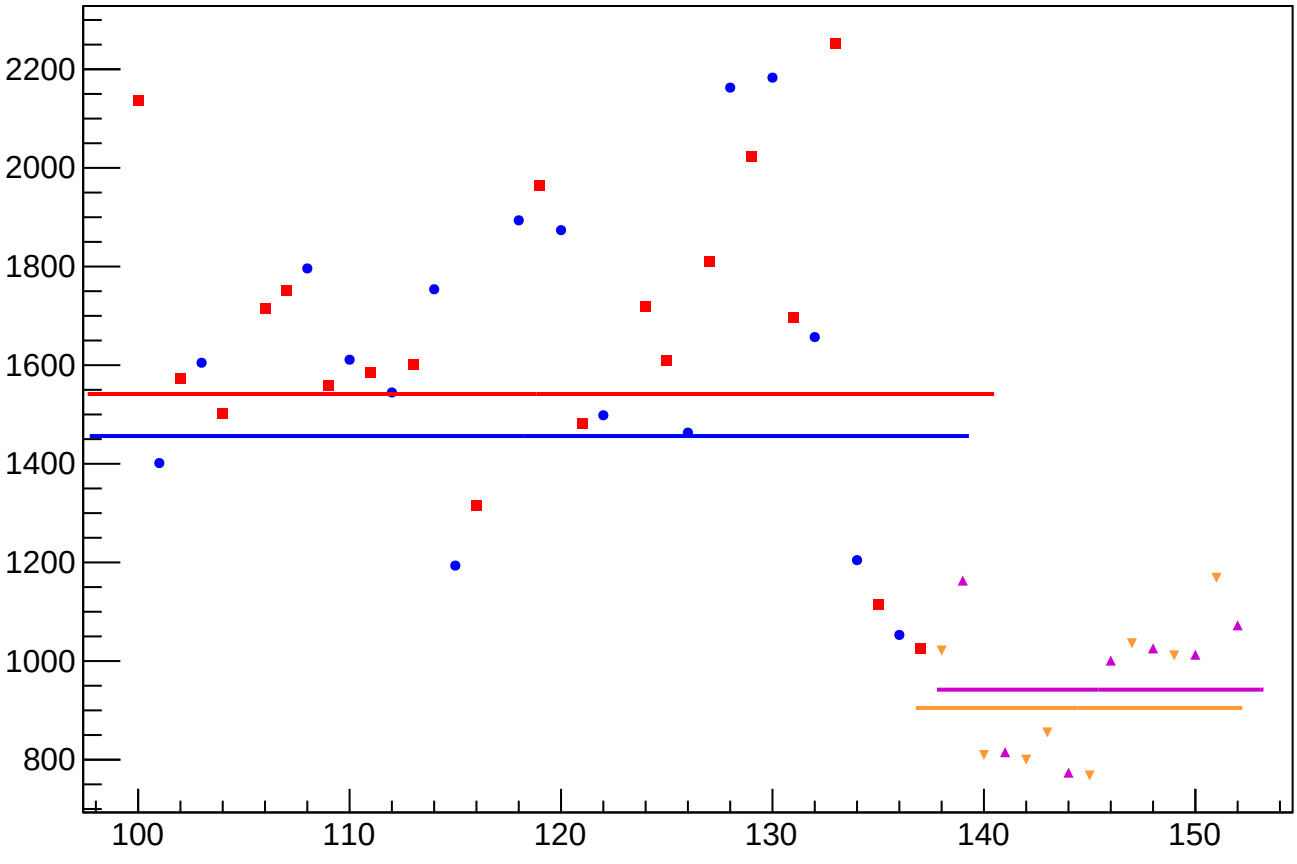
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 19.023+/-384.943 χ^2/NDF:8.6/6

+ sign -996.964+/-307.766 χ^2/NDF: 39.0/23

All: -661.625+/-221.787 χ^2/NDF: 65.6/49

- sign -299.335+/-319.895 χ^2/NDF: 24.1/25



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 904.960+/-0.261 χ^2/NDF:243994.8/7

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

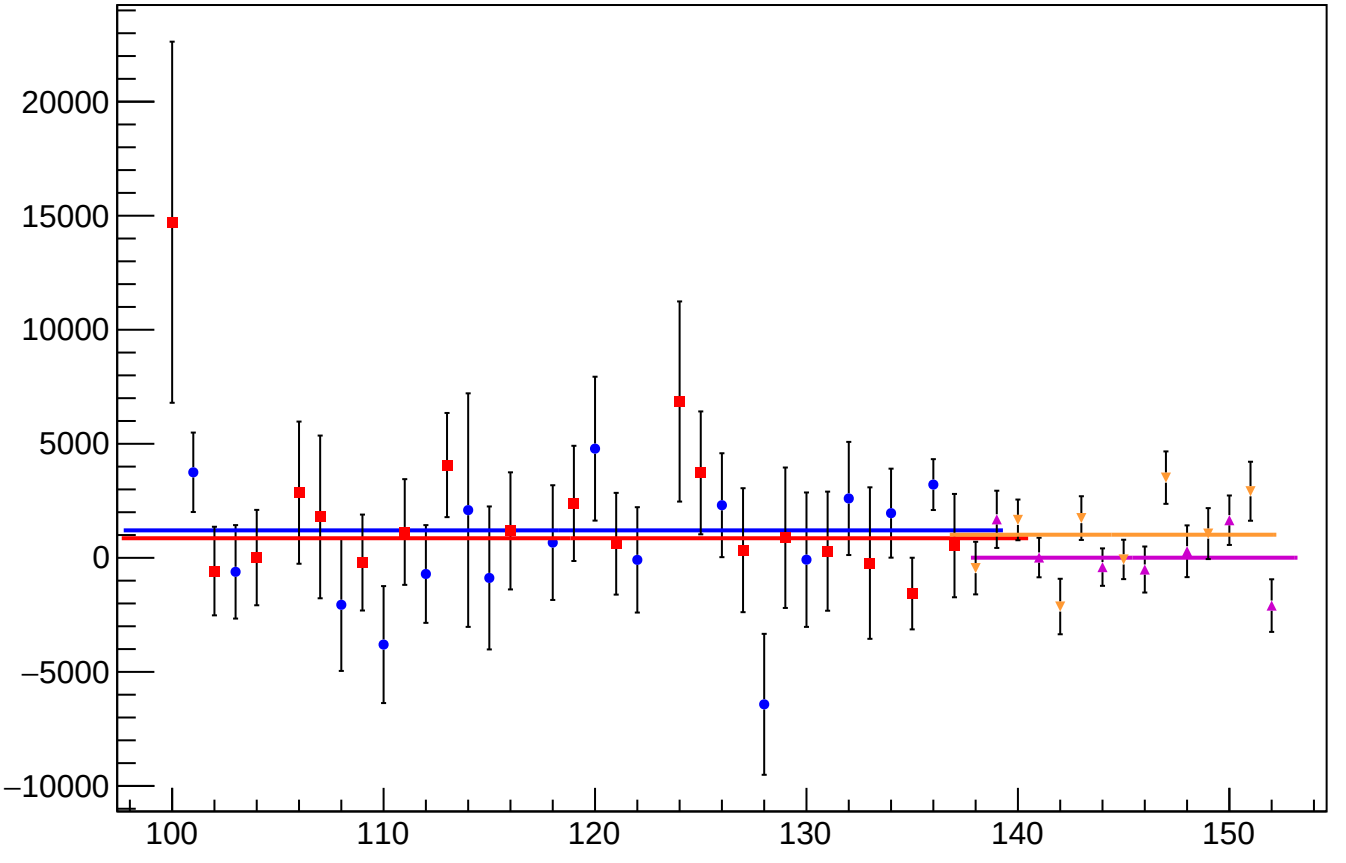
Left In: 942.017+/-0.272 χ^2/NDF:239560.1/6

+ sign 1072.897+/-0.218 χ^2/NDF: 2288339.3/23

All: 1099.147+/-0.157 χ^2/NDF: 4578397.1/49

- sign 1127.507+/-0.226 χ^2/NDF: 2259789.7/25

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1014.252+/-370.801 χ^2/NDF:17.9/7

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

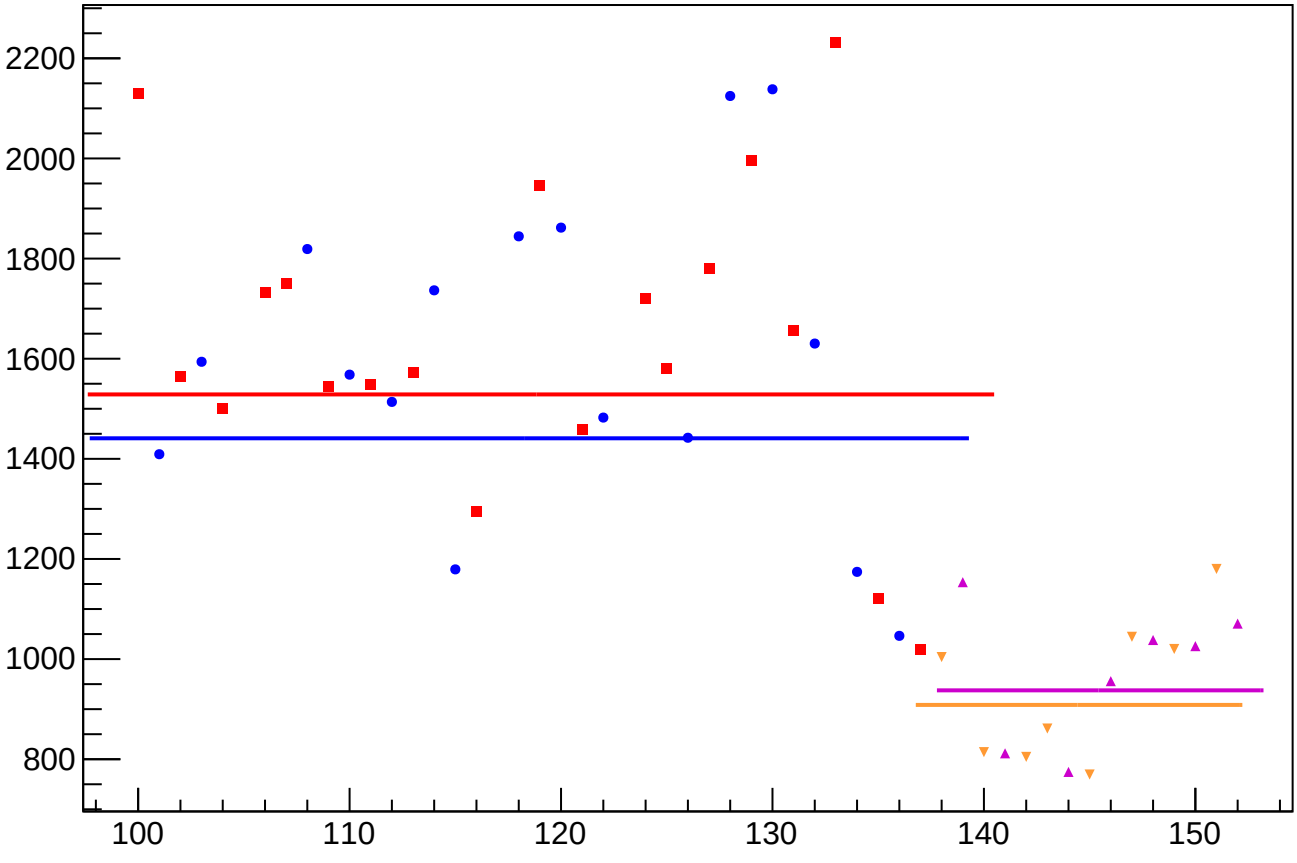
Left In: 6.071+/-383.203 χ^2/NDF:8.0/6

+ sign 1073.506+/-307.755 χ^2/NDF: 39.1/23

All: 685.693+/-221.177 χ^2/NDF: 64.4/49

- sign 271.410+/-318.085 χ^2/NDF: 22.0/25

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 908.488+/-0.262 χ^2/NDF:243585.3/7

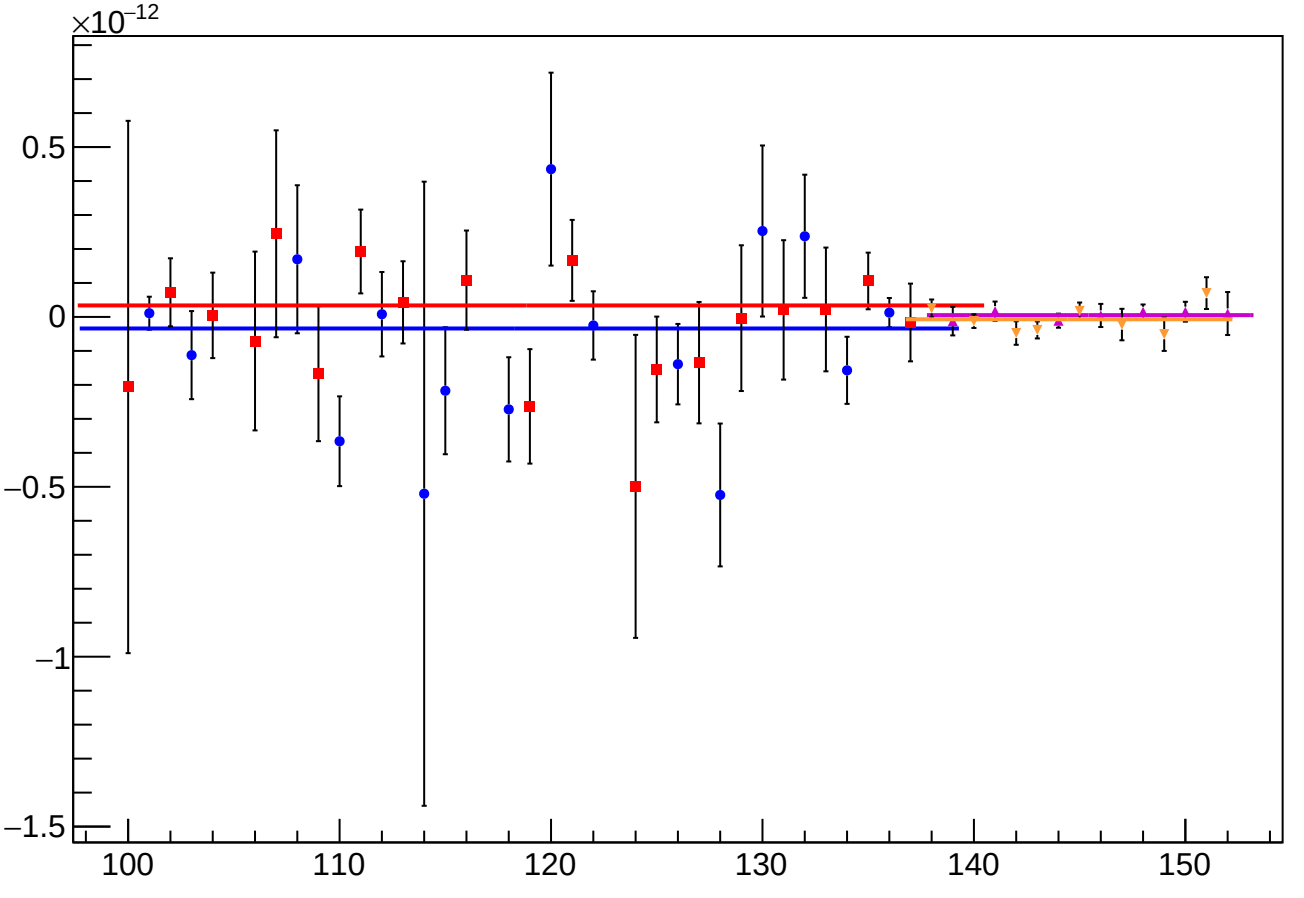
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 937.577+/-0.271 χ^2/NDF:236478.9/6

+ sign 1074.183+/-0.218 χ^2/NDF: 2197794.1/23

All: 1097.009+/-0.156 χ^2/NDF: 4438525.4/49

- sign 1121.393+/-0.225 χ^2/NDF: 2217976.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/7

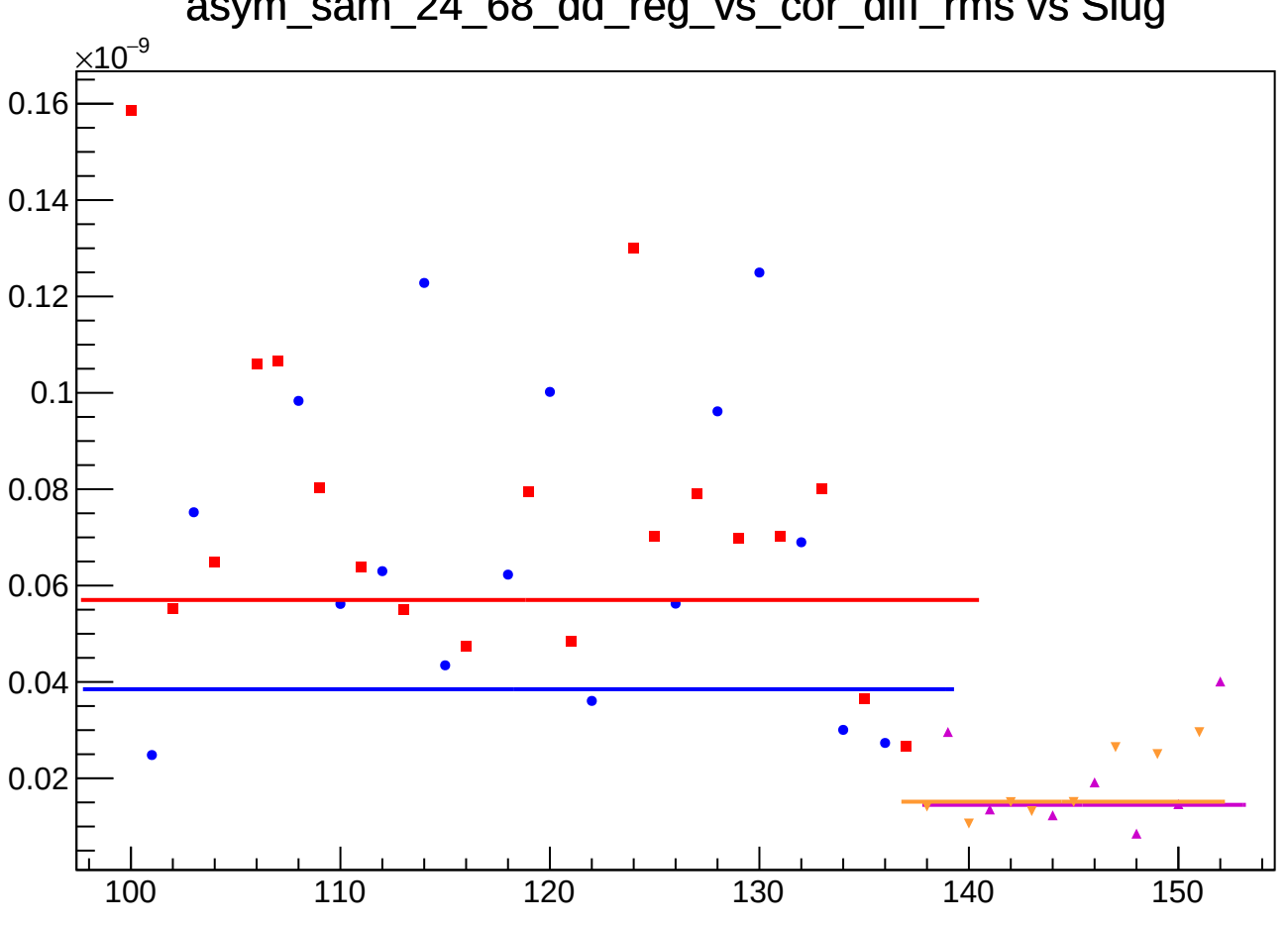
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 37.5/23

All: -0.000+/-0.000 χ^2/NDF: 54.3/49

- sign 0.000+/-0.000 χ^2/NDF: 14.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:506494.4/7

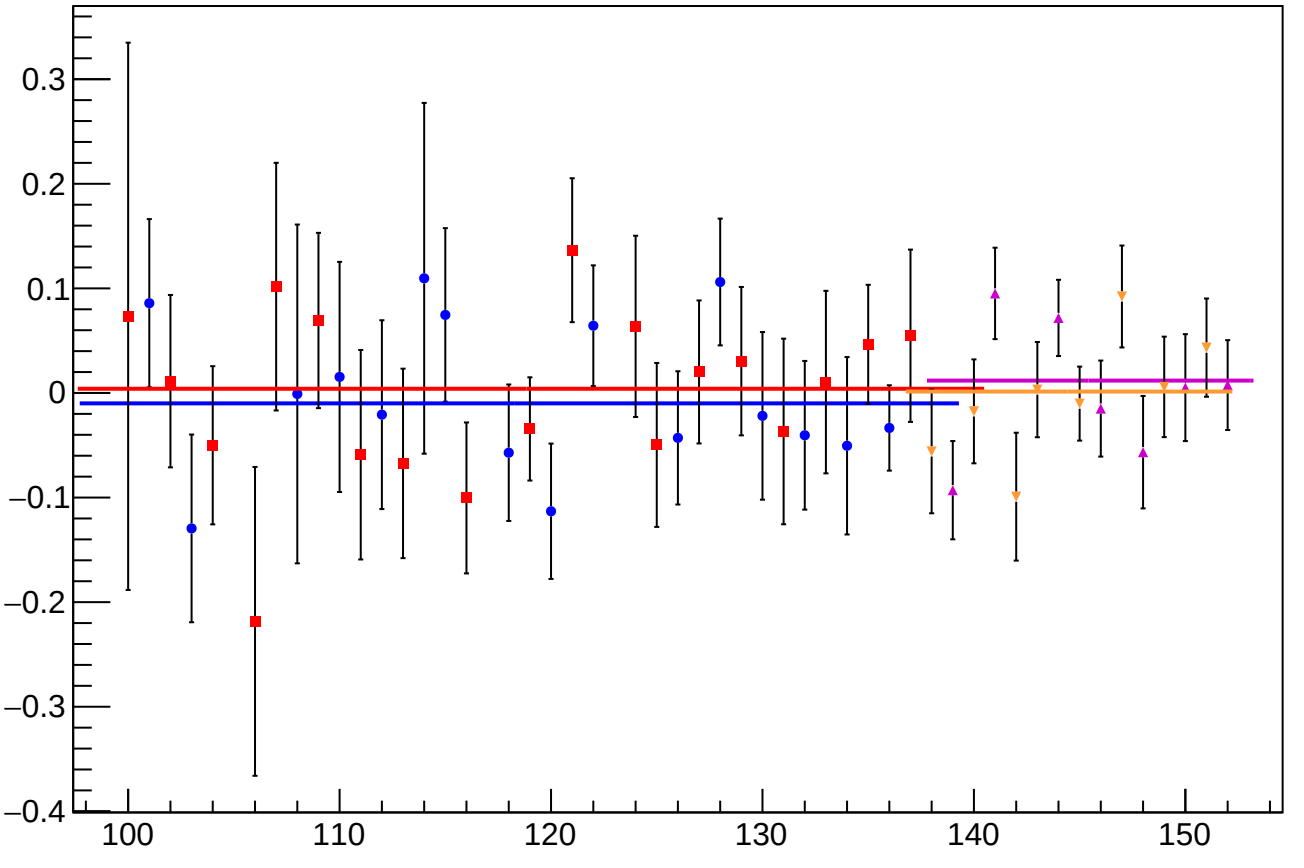
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:802706.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3372375.8/23

All: 0.000+/-0.000 χ^2/NDF: 7708840.5/49

- sign 0.000+/-0.000 χ^2/NDF: 4336297.7/25



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.001+/-0.017 χ^2/NDF:8.2/7

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

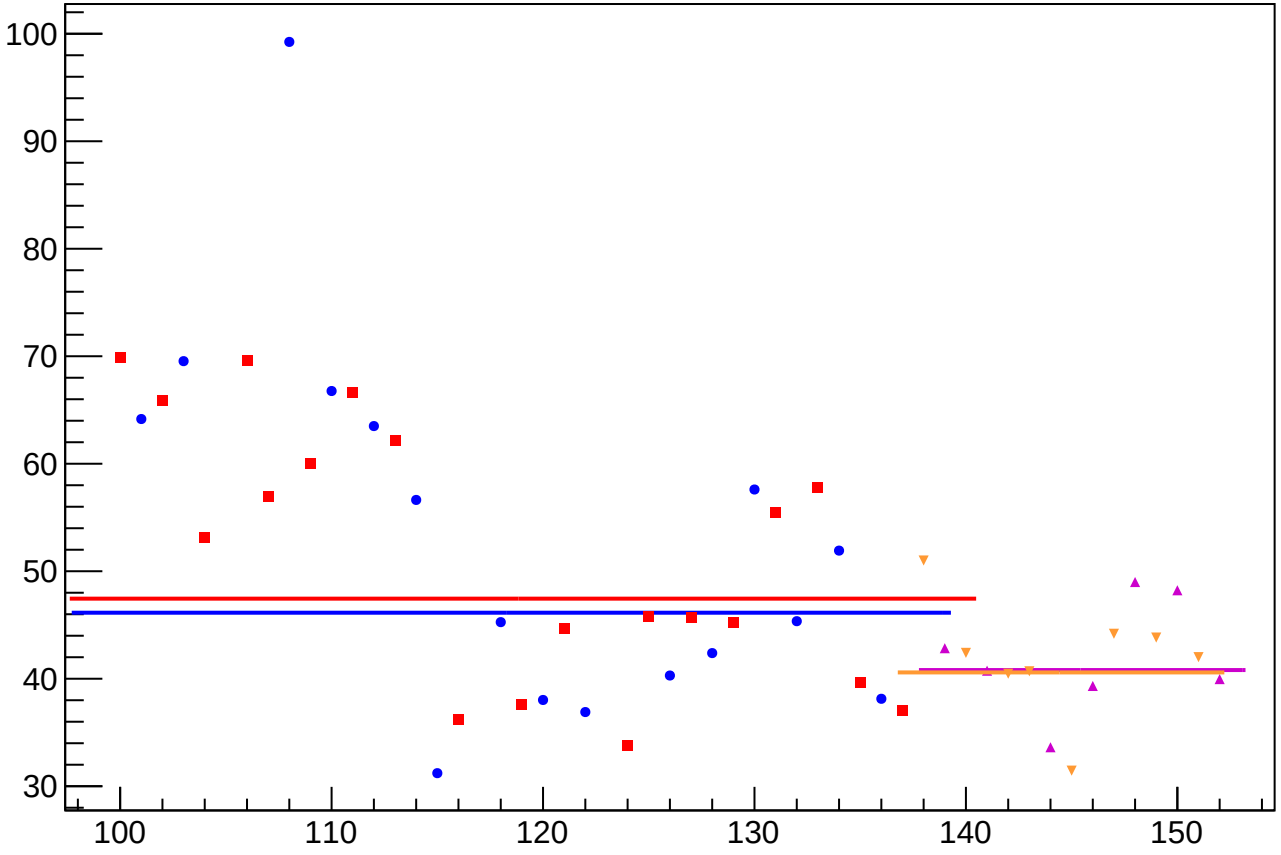
Left In: 0.012+/-0.017 χ^2/NDF:13.3/6

+ sign -0.004+/-0.012 χ^2/NDF: 22.6/23

All: 0.002+/-0.009 χ^2/NDF: 50.4/49

- sign 0.008+/-0.012 χ^2/NDF: 27.3/25

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: 40.587+/-0.012 χ^2/NDF:219941.9/7

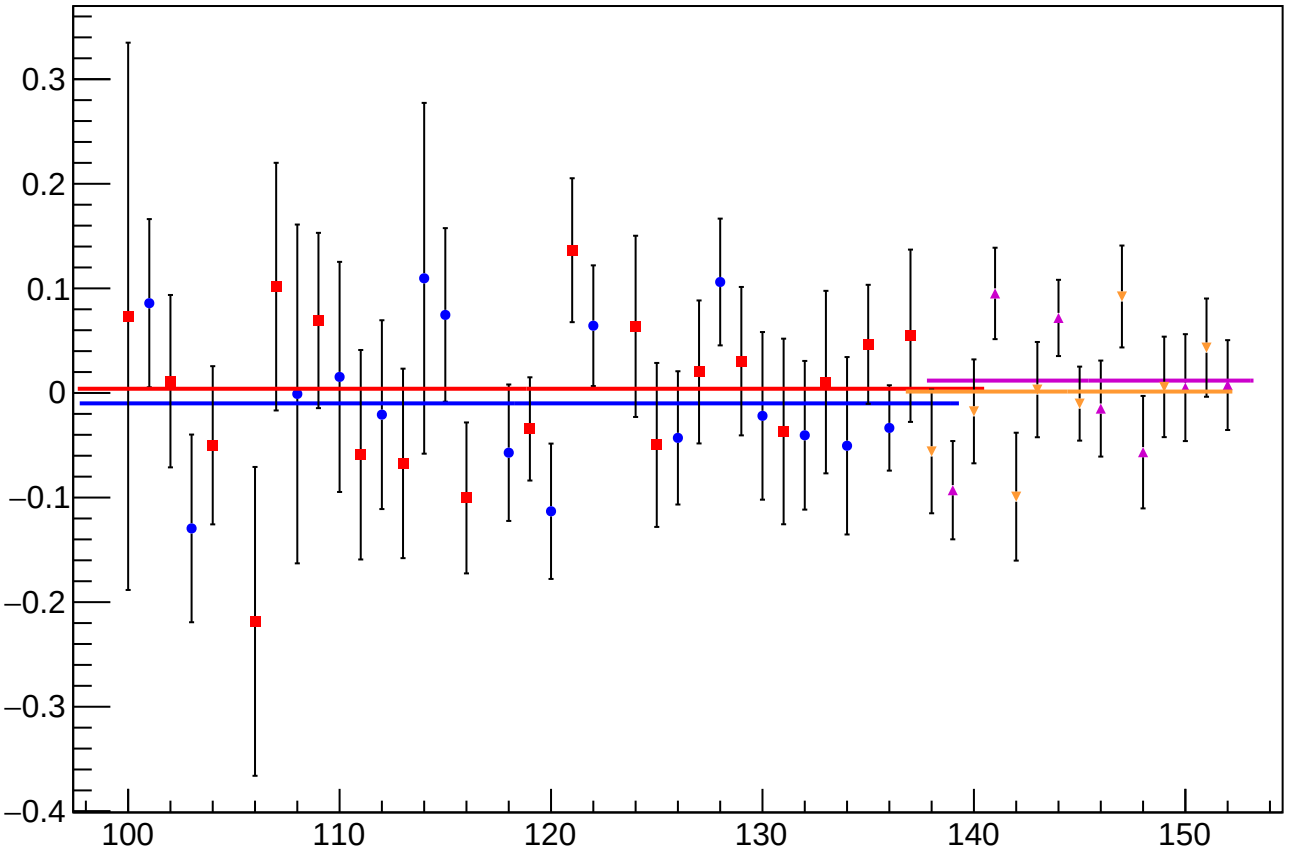
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.807+/-0.012 χ^2/NDF:172821.7/6

+ sign 43.172+/-0.009 χ^2/NDF: 1225110.4/23

All: 43.541+/-0.006 χ^2/NDF: 2199713.4/49

- sign 43.915+/-0.009 χ^2/NDF: 970971.1/25



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.001+/-0.017 χ^2/NDF:8.2/7

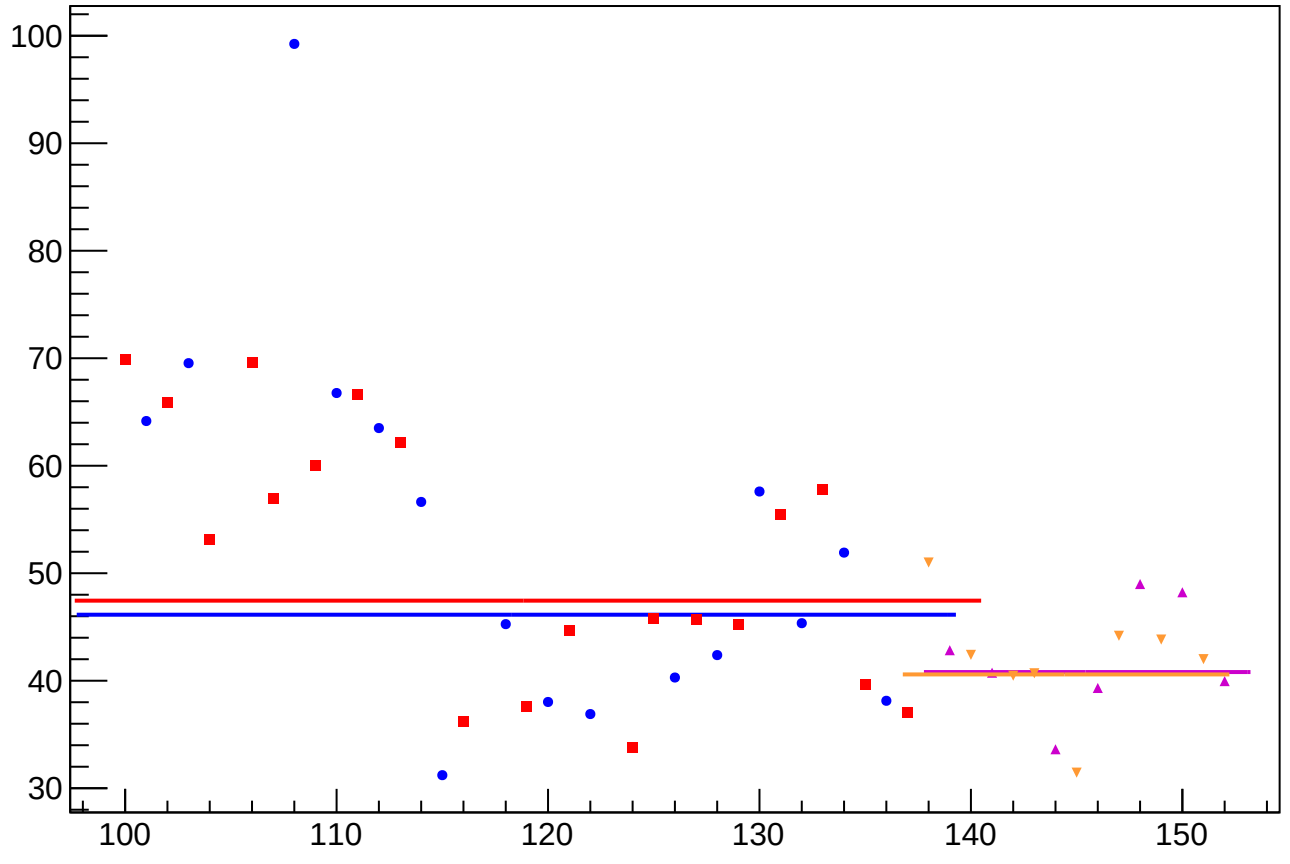
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.012+/-0.017 χ^2/NDF:13.3/6

+ sign -0.004+/-0.012 χ^2/NDF: 22.6/23

All: 0.002+/-0.009 χ^2/NDF: 50.4/49

- sign 0.008+/-0.012 χ^2/NDF: 27.3/25



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.587+/-0.012 χ^2/NDF:219941.9/7

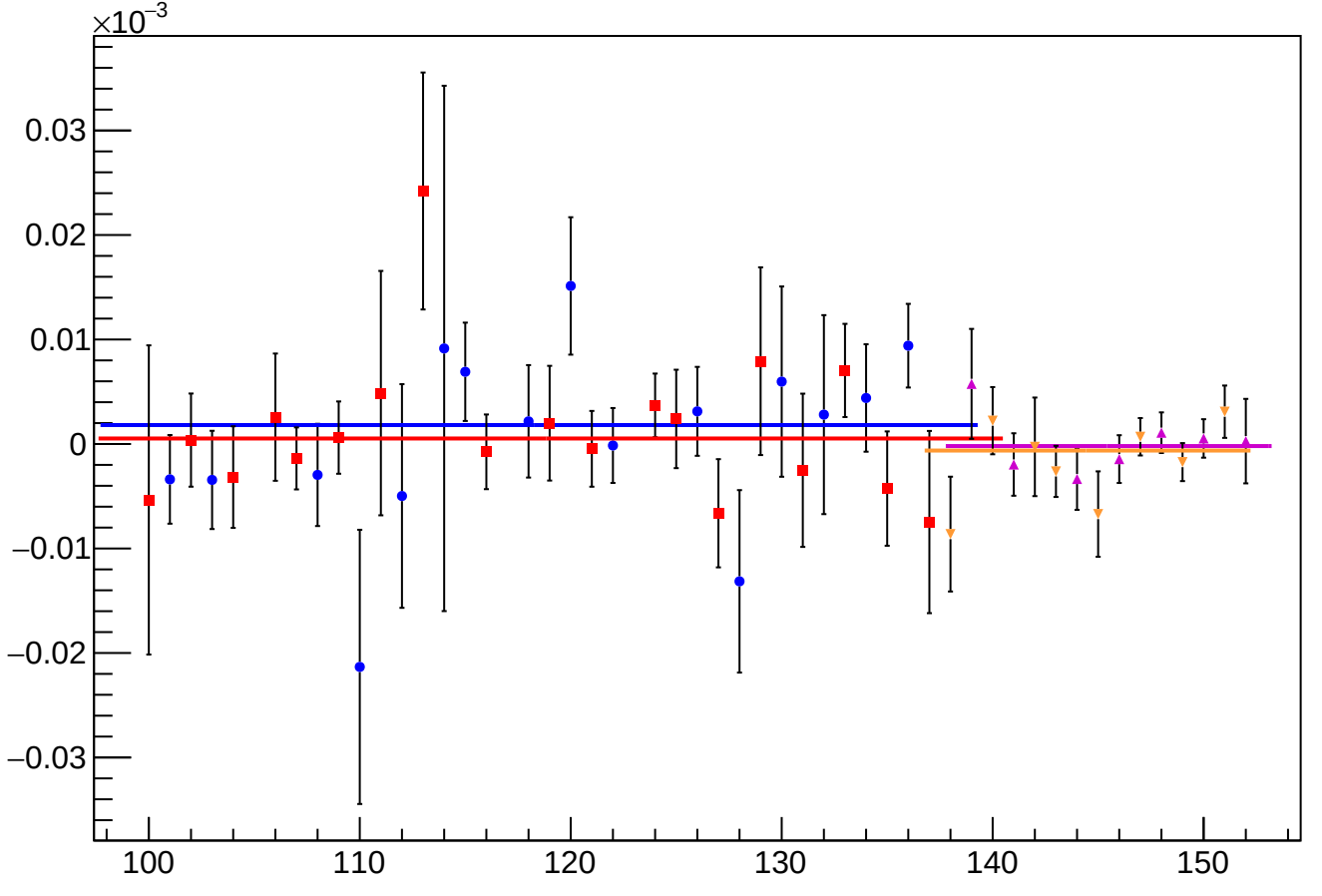
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.807+/-0.012 χ^2/NDF:172821.7/6

+ sign 43.172+/-0.009 χ^2/NDF: 1225110.4/23

All: 43.541+/-0.006 χ^2/NDF: 2199713.4/49

- sign 43.915+/-0.009 χ^2/NDF: 970971.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/7

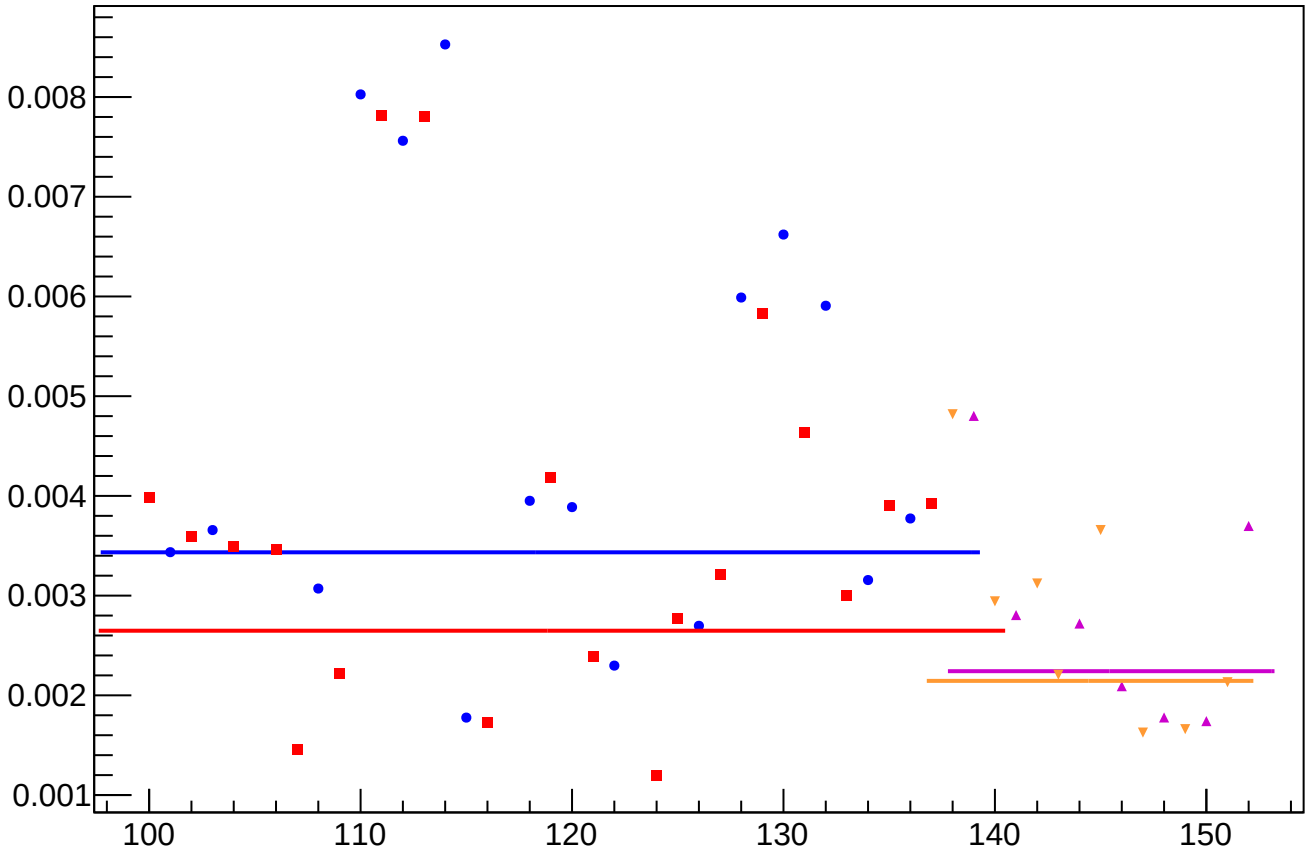
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 31.1/23

All: 0.000+/-0.000 χ^2/NDF: 48.7/49

- sign 0.000+/-0.000 χ^2/NDF: 17.7/25



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1267901.9/7

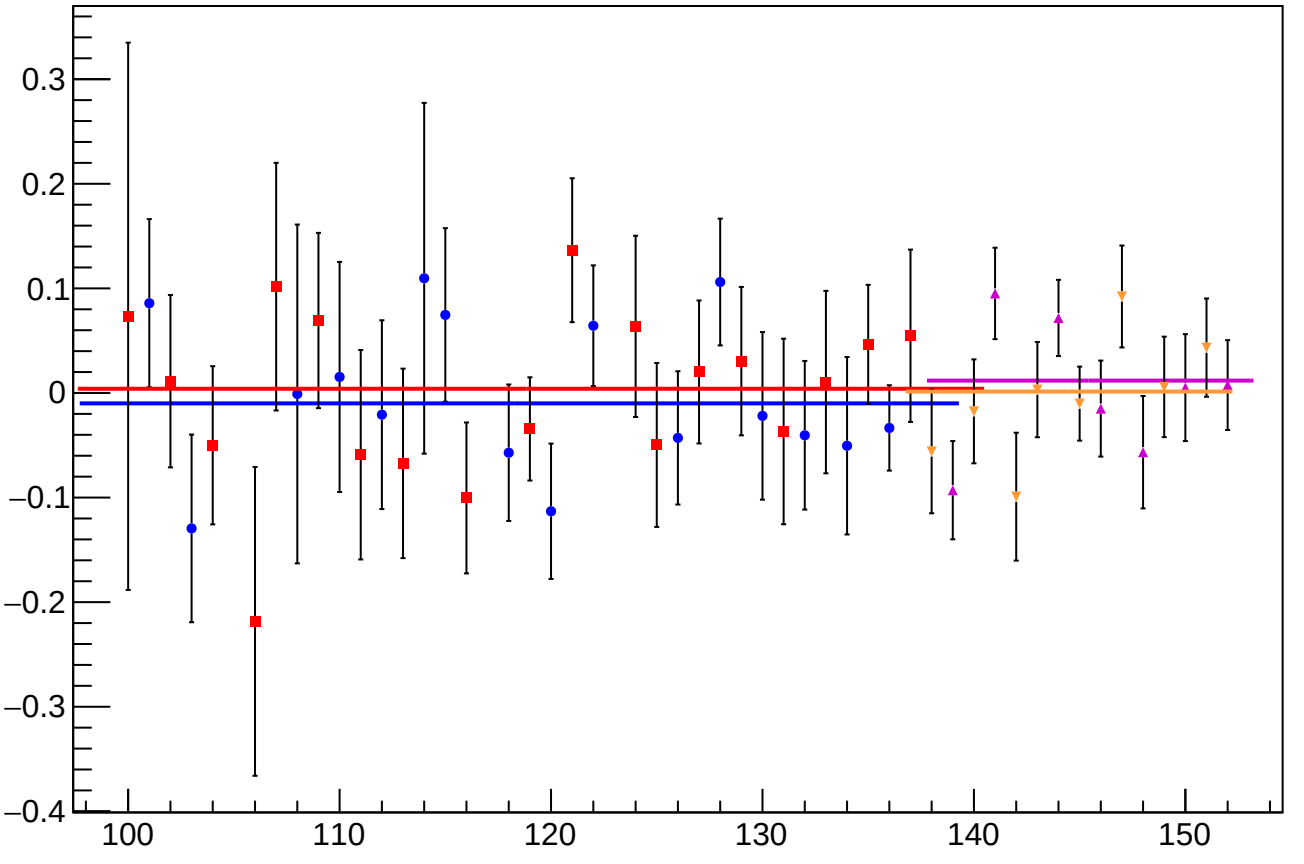
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1127097.8/6

+ sign 0.003+/-0.000 χ^2/NDF: 4232713.3/23

All: 0.002+/-0.000 χ^2/NDF: 8240738.6/49

- sign 0.002+/-0.000 χ^2/NDF: 3979507.9/25



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.001+/-0.017 χ^2/NDF:8.2/7

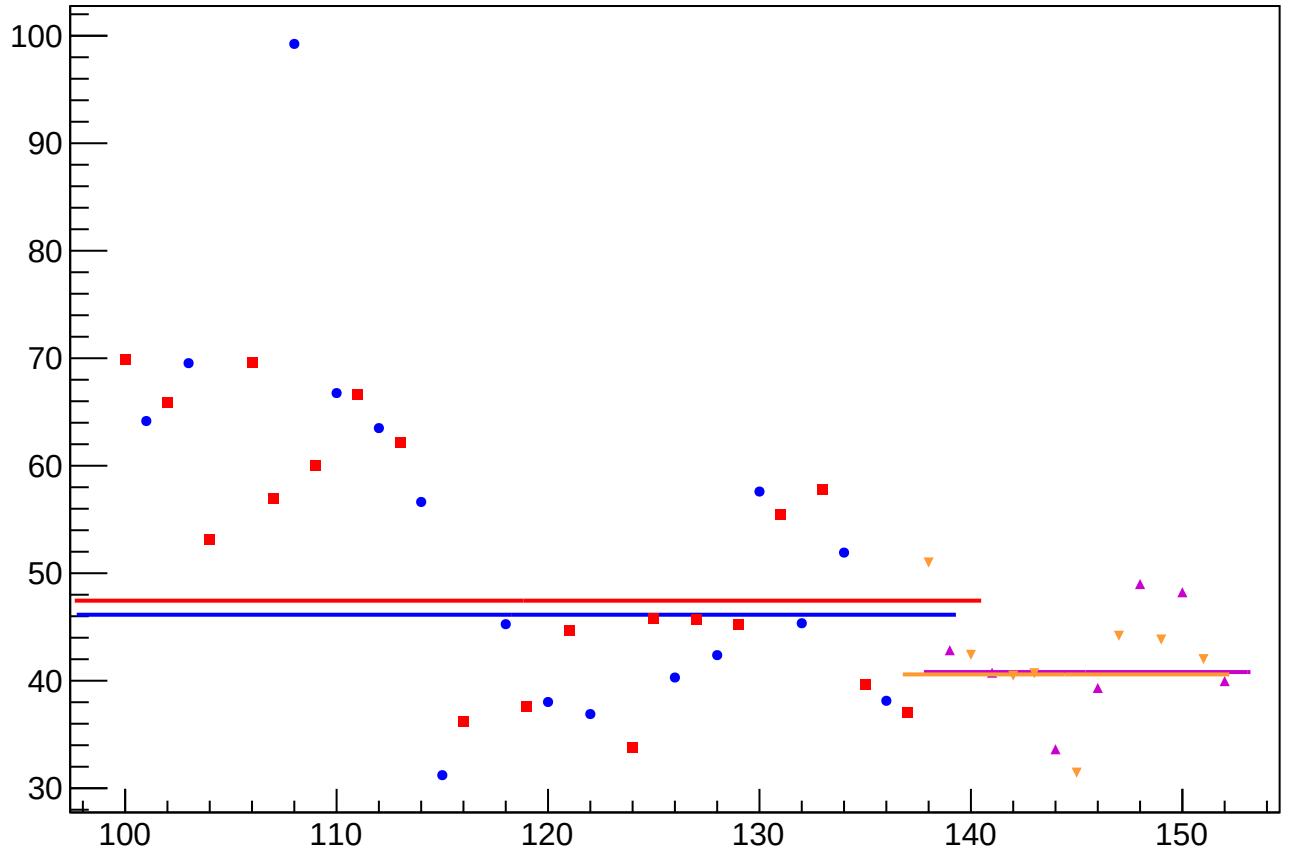
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.012+/-0.017 χ^2/NDF:13.3/6

+ sign -0.004+/-0.012 χ^2/NDF: 22.6/23

All: 0.002+/-0.009 χ^2/NDF: 50.4/49

- sign 0.008+/-0.012 χ^2/NDF: 27.3/25



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.587+/-0.012 χ^2/NDF:219941.3/7

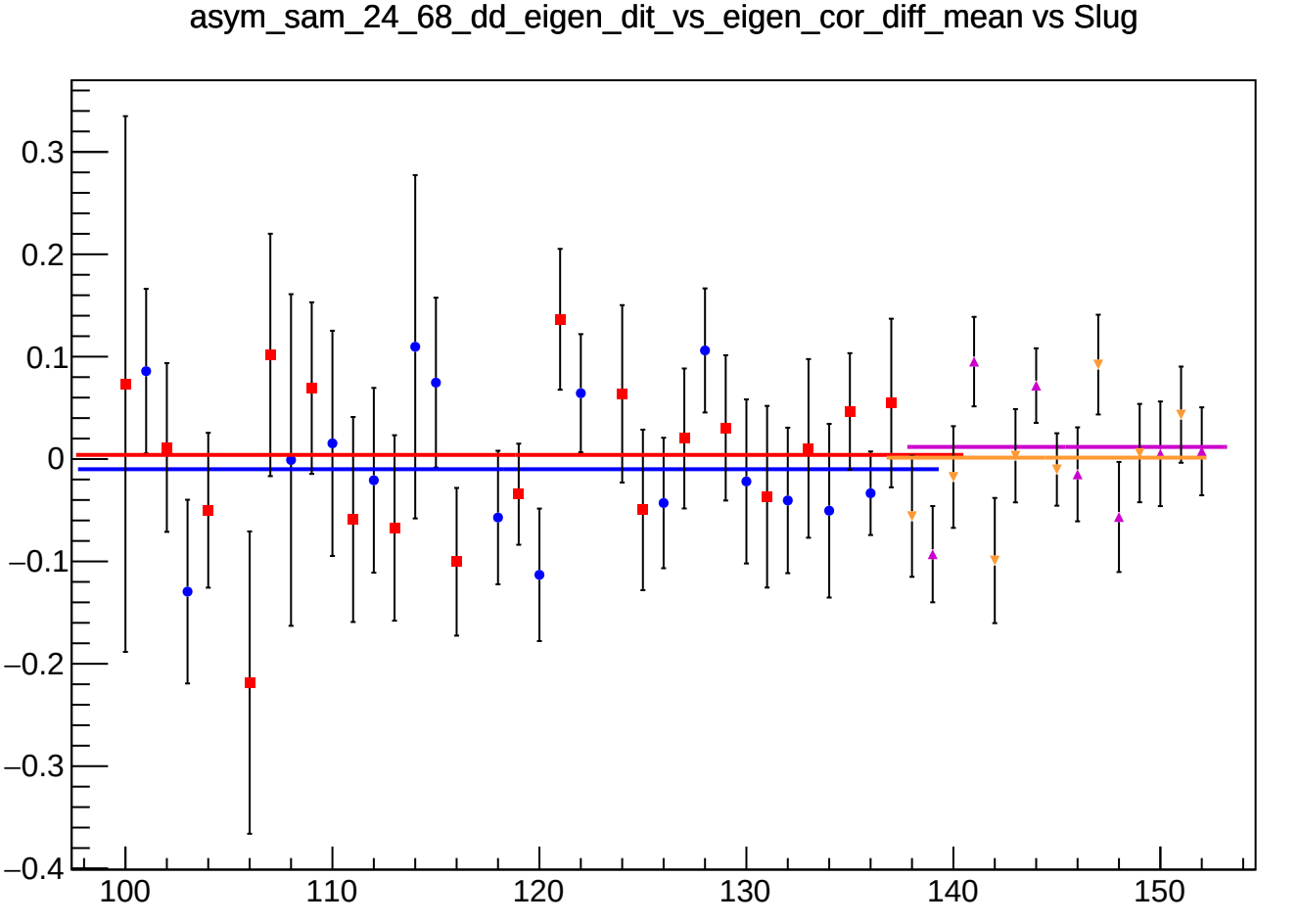
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.807+/-0.012 χ^2/NDF:172824.8/6

+ sign 43.172+/-0.009 χ^2/NDF: 1225020.8/23

All: 43.540+/-0.006 χ^2/NDF: 2199574.7/49

- sign 43.914+/-0.009 χ^2/NDF: 970921.5/25



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.001+/-0.017 χ^2/NDF:8.2/7

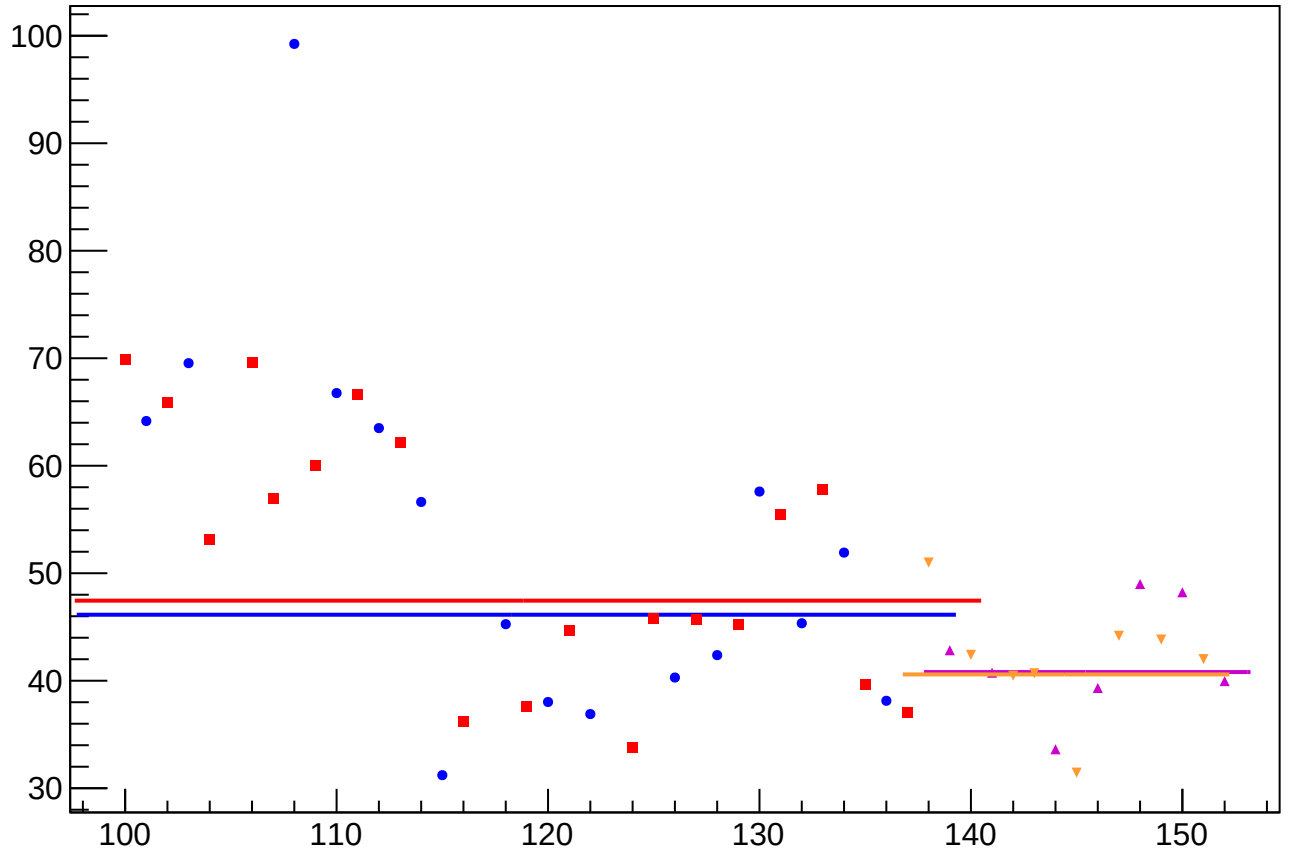
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.012+/-0.017 χ^2/NDF:13.3/6

+ sign -0.004+/-0.012 χ^2/NDF: 22.6/23

All: 0.002+/-0.009 χ^2/NDF: 50.4/49

- sign 0.008+/-0.012 χ^2/NDF: 27.3/25



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.587+/-0.012 χ^2/NDF:219941.3/7

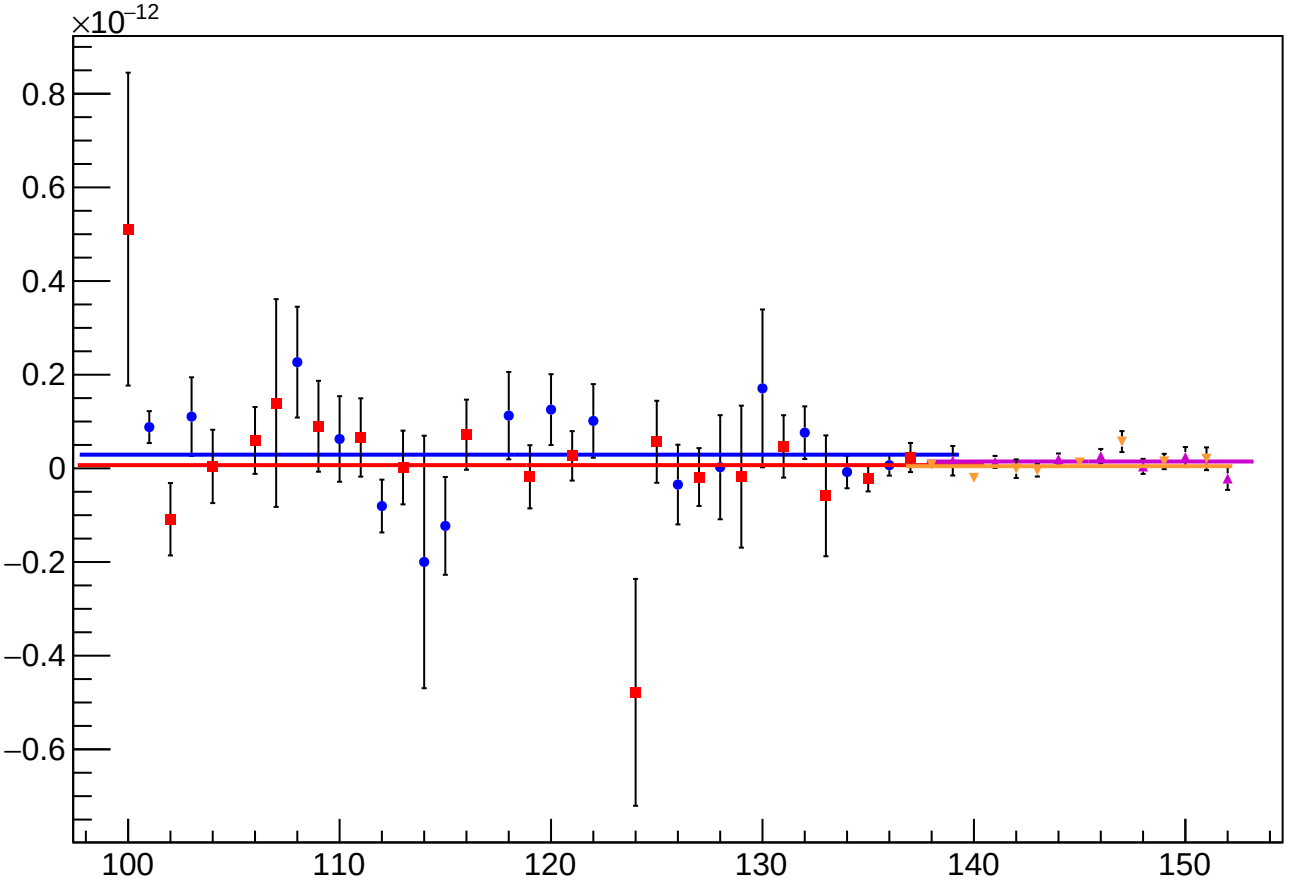
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.807+/-0.012 χ^2/NDF:172824.8/6

+ sign 43.172+/-0.009 χ^2/NDF: 1225020.8/23

All: 43.540+/-0.006 χ^2/NDF: 2199574.7/49

- sign 43.914+/-0.009 χ^2/NDF: 970921.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/7

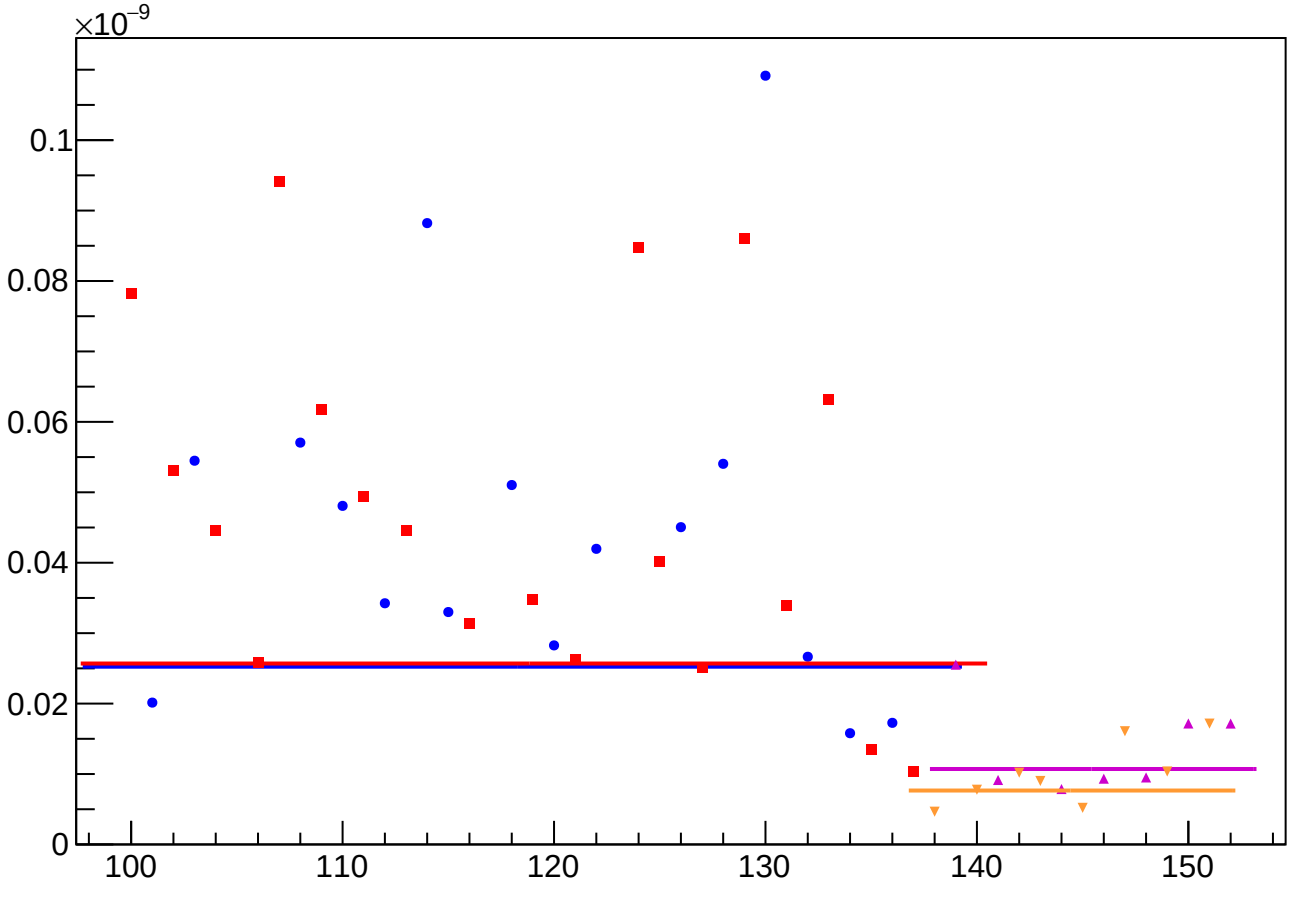
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 37.1/23

All: 0.000+/-0.000 χ^2/NDF: 55.9/49

- sign 0.000+/-0.000 χ^2/NDF: 18.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1018651.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

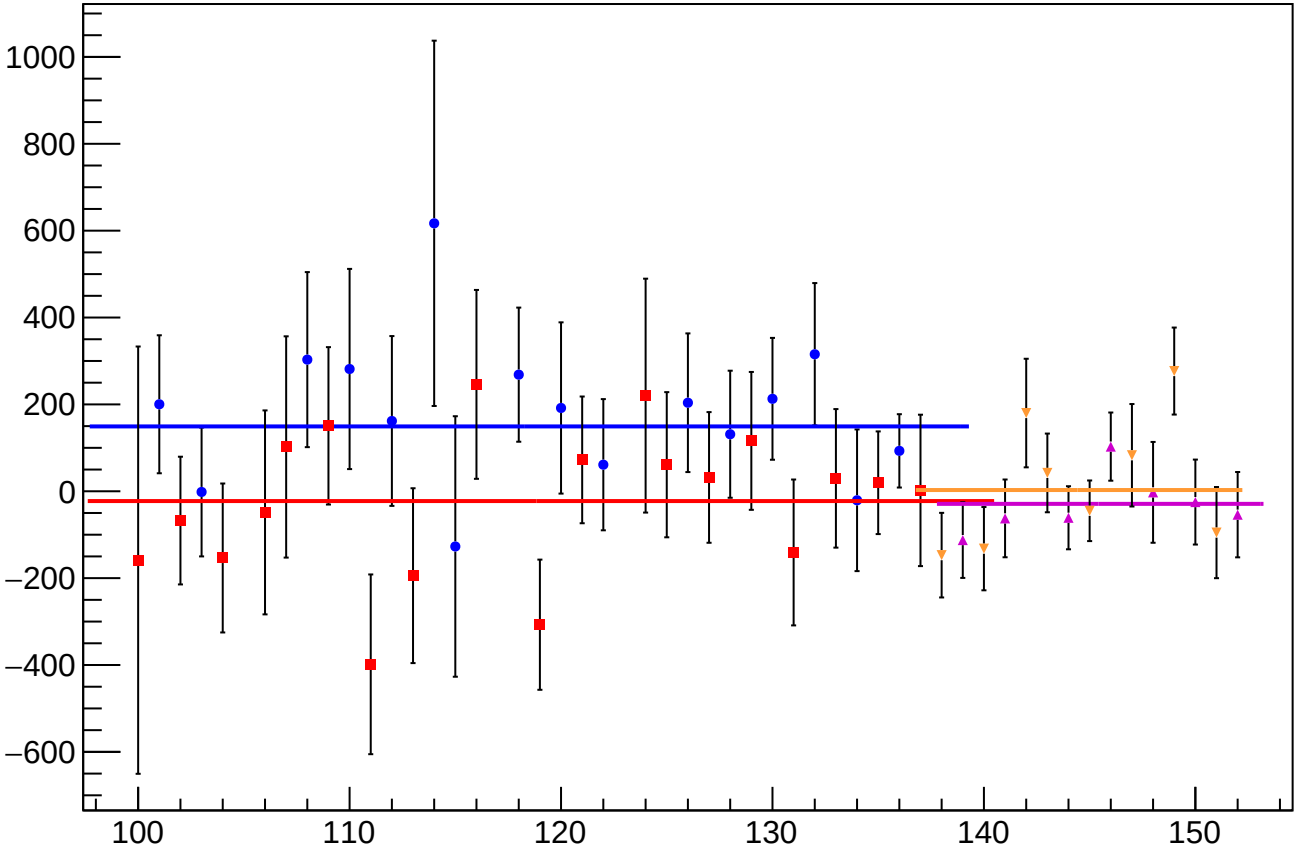
Left In: 0.000+/-0.000 χ^2/NDF:933407.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 6160752.5/23

All: 0.000+/-0.000 χ^2/NDF: 12206294.3/49

- sign 0.000+/-0.000 χ^2/NDF: 5561910.6/25

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.841+/-33.944 χ^2/NDF:15.8/7

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

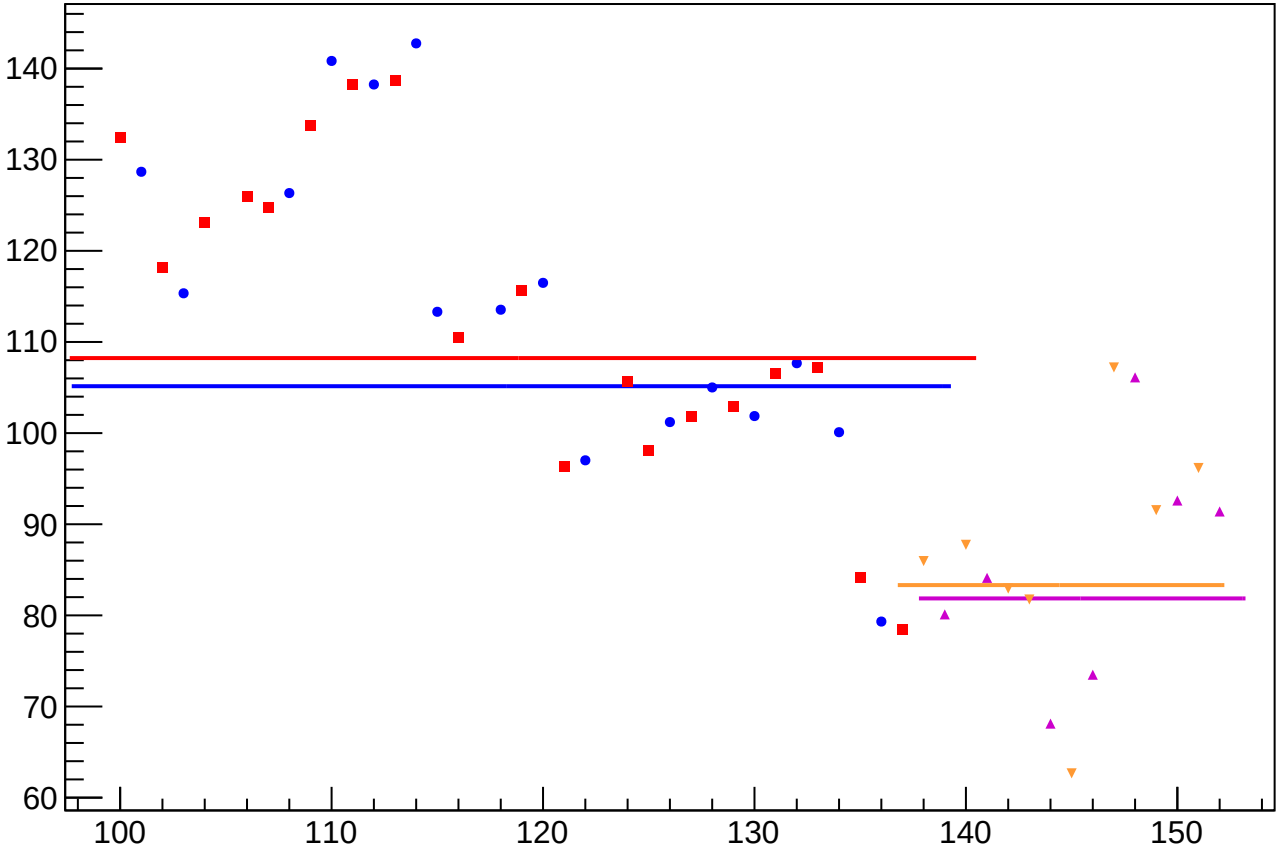
Left In: -28.993+/-33.503 χ^2/NDF:4.2/6

+ sign 64.718+/-25.796 χ^2/NDF: 31.7/23

All: 19.036+/-18.210 χ^2/NDF: 56.4/49

- sign -26.344+/-25.711 χ^2/NDF: 18.4/25

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 83.323+/-0.024 χ^2/NDF:307143.4/7

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

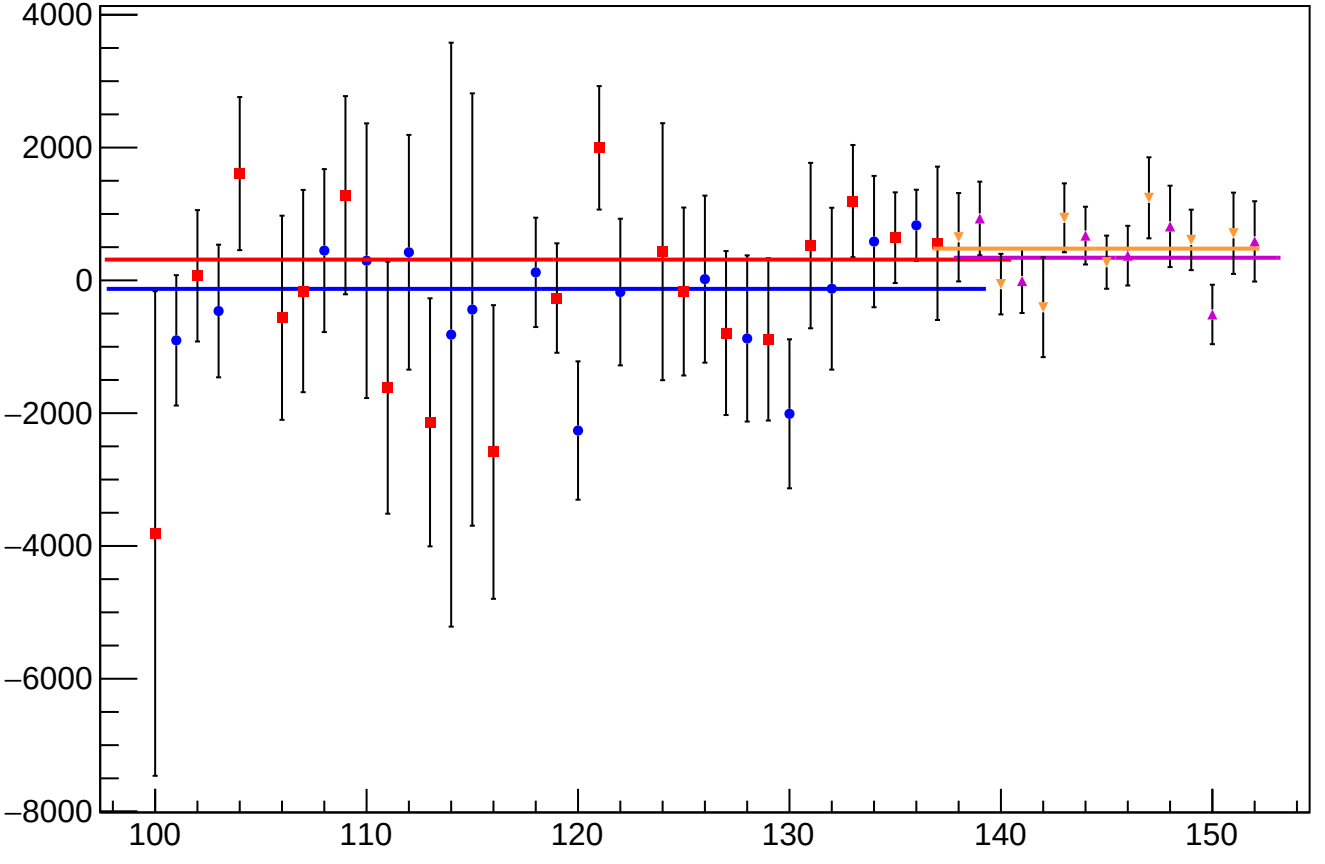
Left In: 81.859+/-0.024 χ^2/NDF:226764.4/6

+ sign 92.543+/-0.018 χ^2/NDF: 1064804.5/23

All: 92.622+/-0.013 χ^2/NDF: 2151023.0/49

- sign 92.701+/-0.018 χ^2/NDF: 1086180.9/25

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 478.334+/-185.776 χ^2/NDF:5.7/7

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

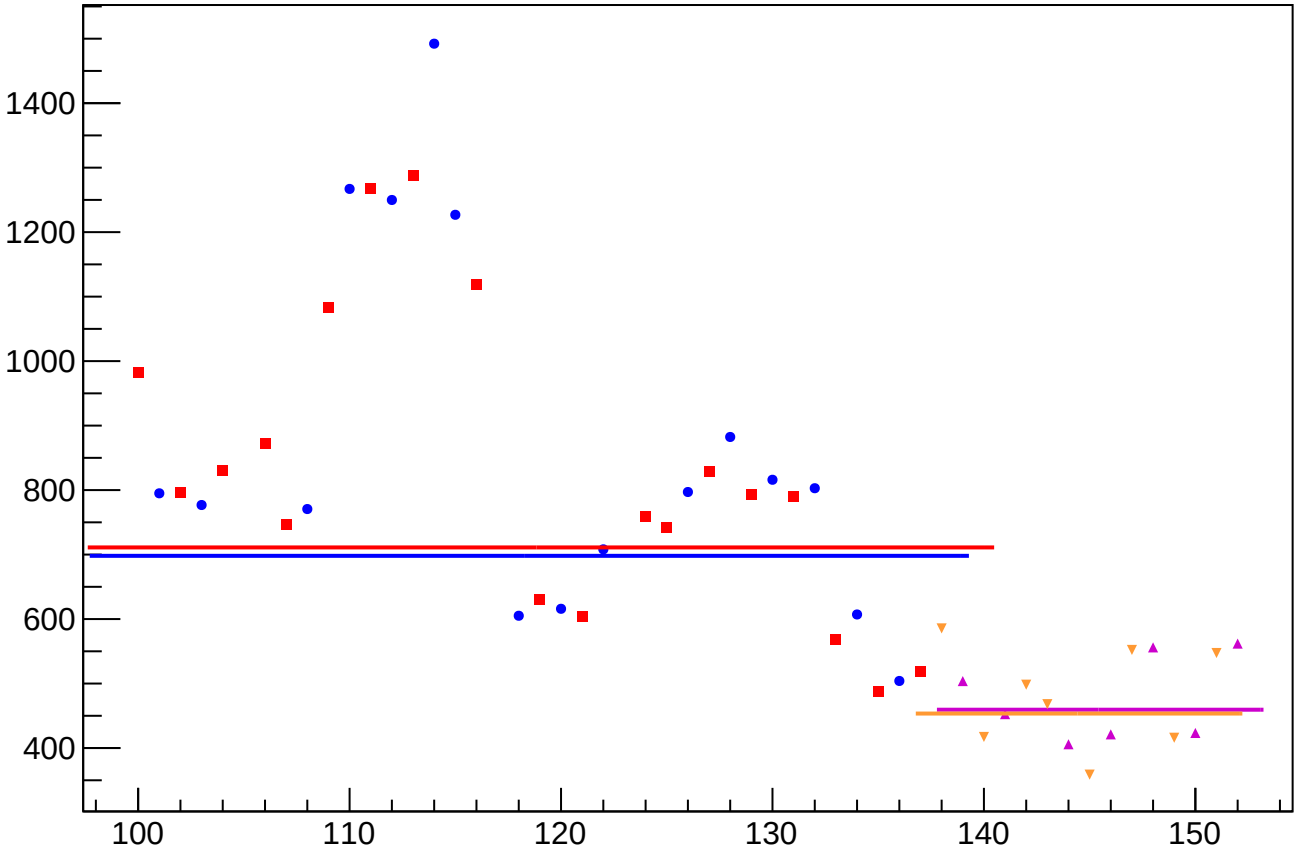
Left In: 340.761+/-188.350 χ^2/NDF:6.7/6

+ sign 282.128+/-152.793 χ^2/NDF: 21.4/23

All: 306.634+/-108.640 χ^2/NDF: 43.2/49

- sign 331.690+/-154.502 χ^2/NDF: 21.7/25

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 453.475+/-0.131 χ^2/NDF:324924.3/7

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

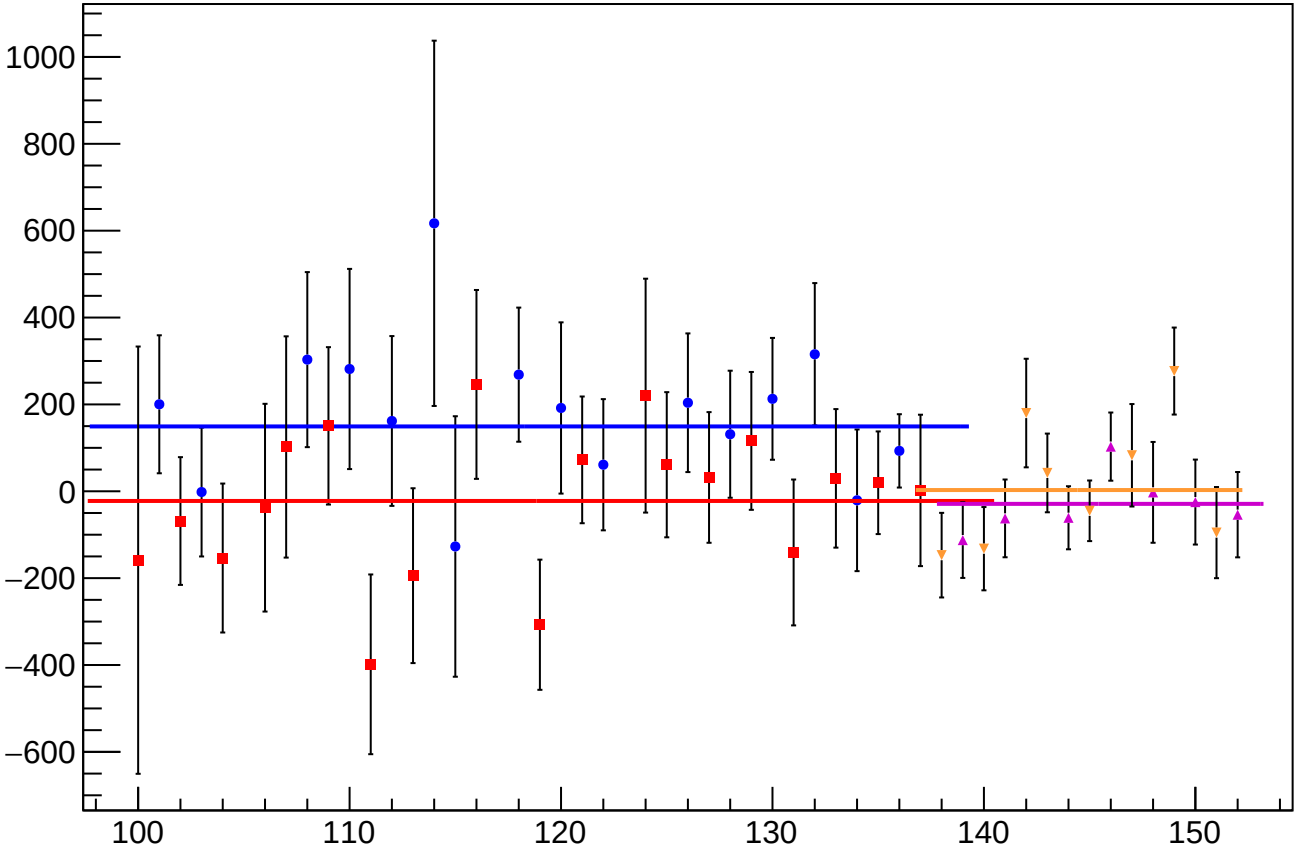
Left In: 459.427+/-0.133 χ^2/NDF:178186.7/6

+ sign 532.612+/-0.108 χ^2/NDF: 2359406.8/23

All: 537.131+/-0.077 χ^2/NDF: 4744255.9/49

- sign 541.752+/-0.109 χ^2/NDF: 2381310.2/25

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.837+/-33.944 χ^2/NDF:15.8/7

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

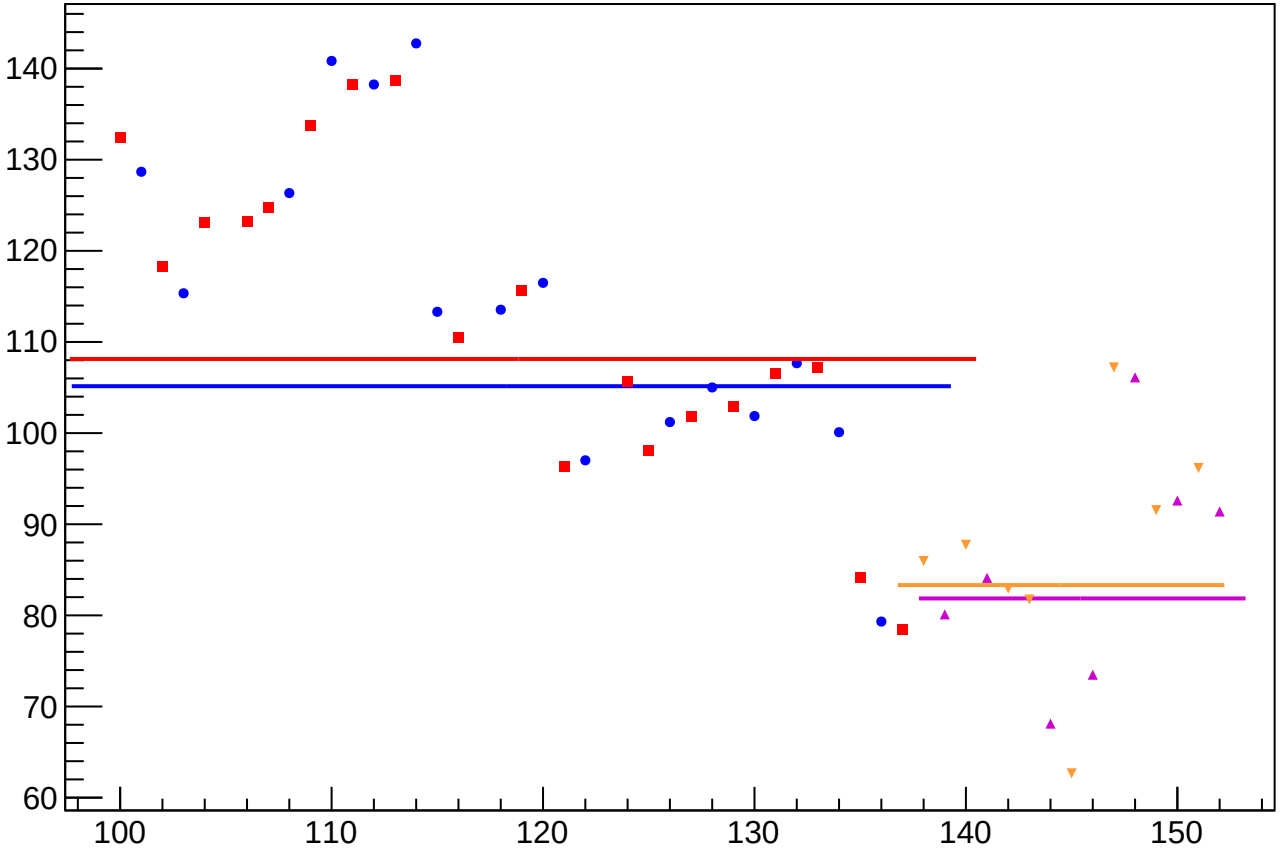
Left In: -28.991+/-33.503 χ^2/NDF:4.2/6

+ sign 64.712+/-25.796 χ^2/NDF: 31.7/23

All: 19.095+/-18.212 χ^2/NDF: 56.4/49

- sign -26.241+/-25.716 χ^2/NDF: 18.4/25

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 83.323+/-0.024 χ^2/NDF:307143.4/7

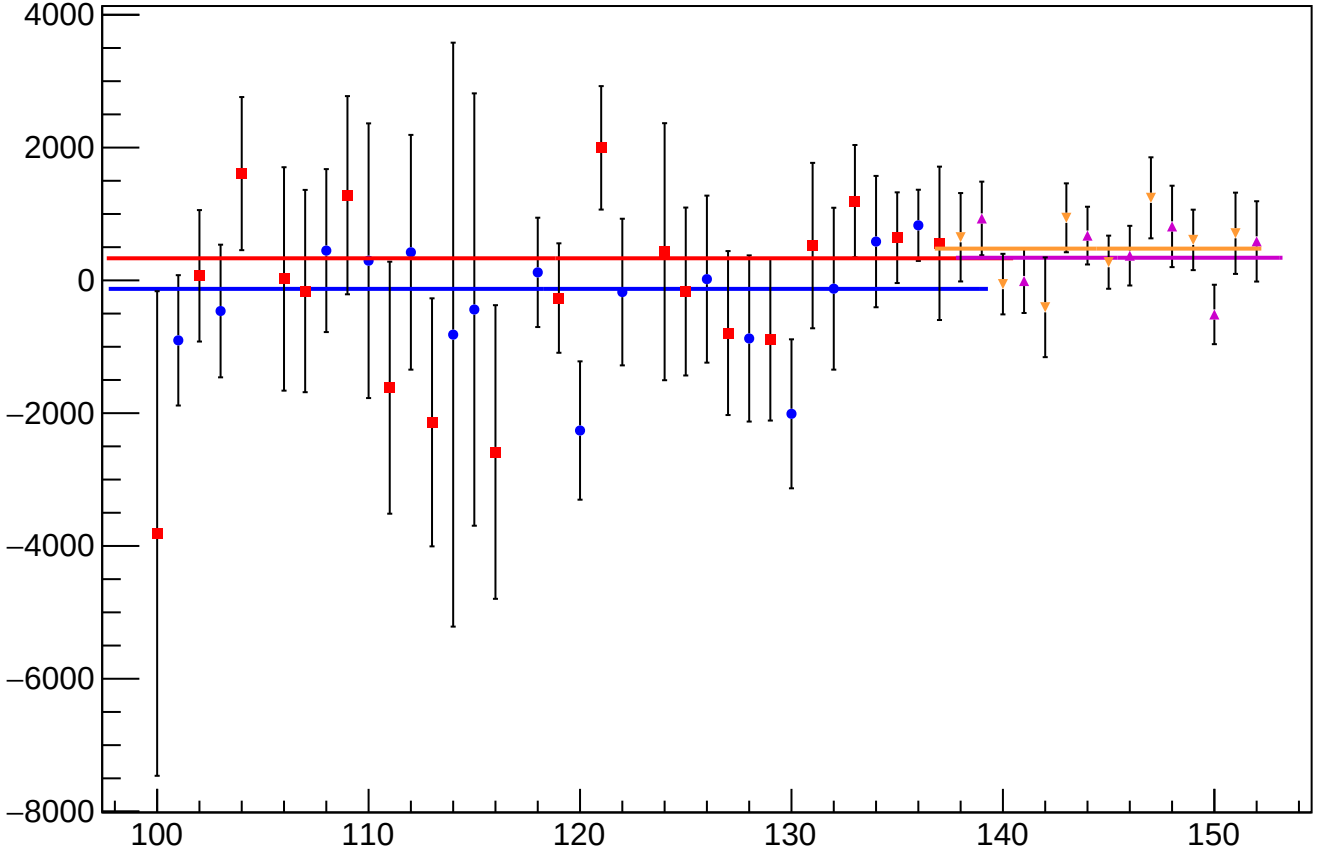
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 81.859+/-0.024 χ^2/NDF:226764.4/6

+ sign 92.543+/-0.018 χ^2/NDF: 1064804.8/23

All: 92.599+/-0.013 χ^2/NDF: 2143345.0/49

- sign 92.654+/-0.018 χ^2/NDF: 1078521.5/25



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 478.334+/-185.776 χ^2/NDF:5.7/7

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

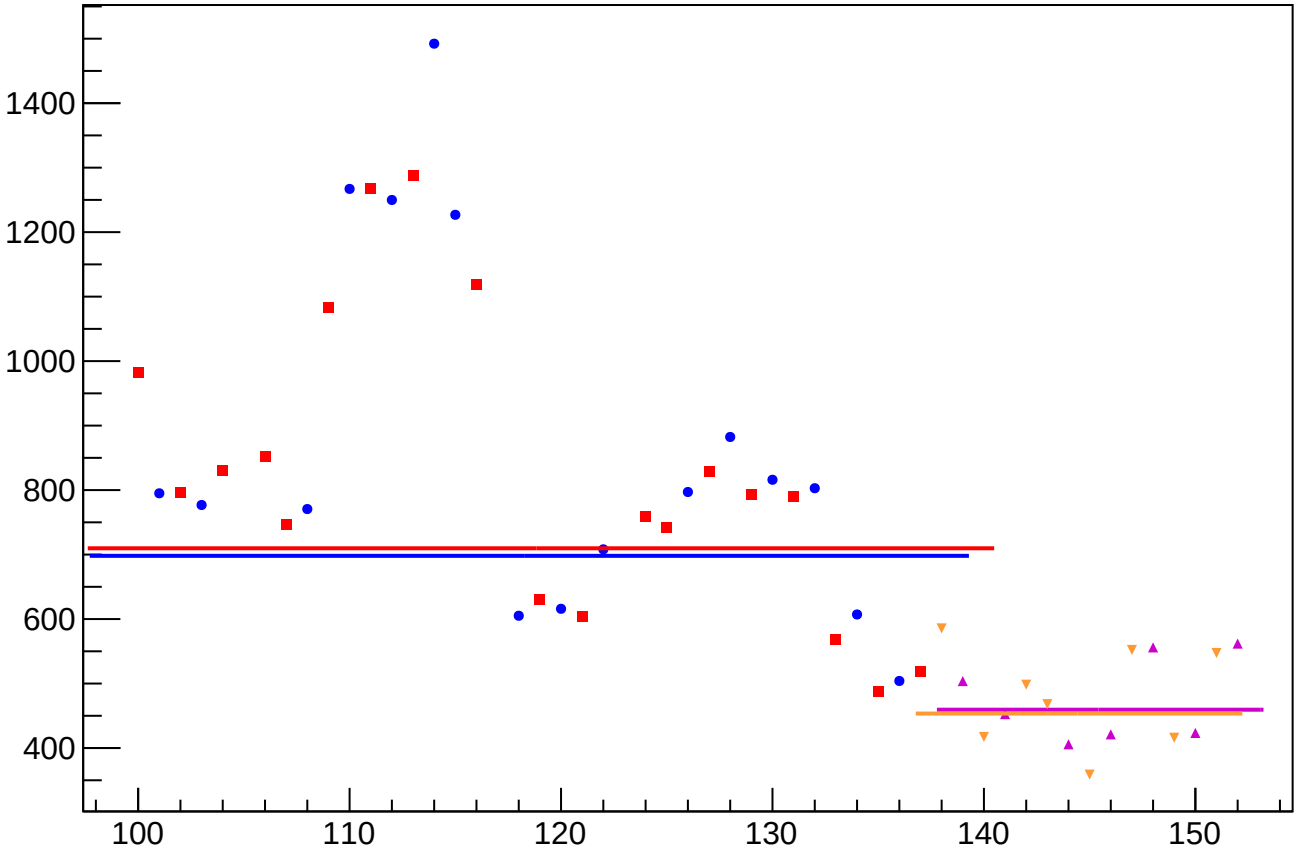
Left In: 340.761+/-188.350 χ^2/NDF:6.7/6

+ sign 282.132+/-152.793 χ^2/NDF: 21.4/23

All: 309.792+/-108.686 χ^2/NDF: 42.9/49

- sign 338.122+/-154.633 χ^2/NDF: 21.4/25

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 453.475+/-0.131 χ^2/NDF:324926.1/7

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

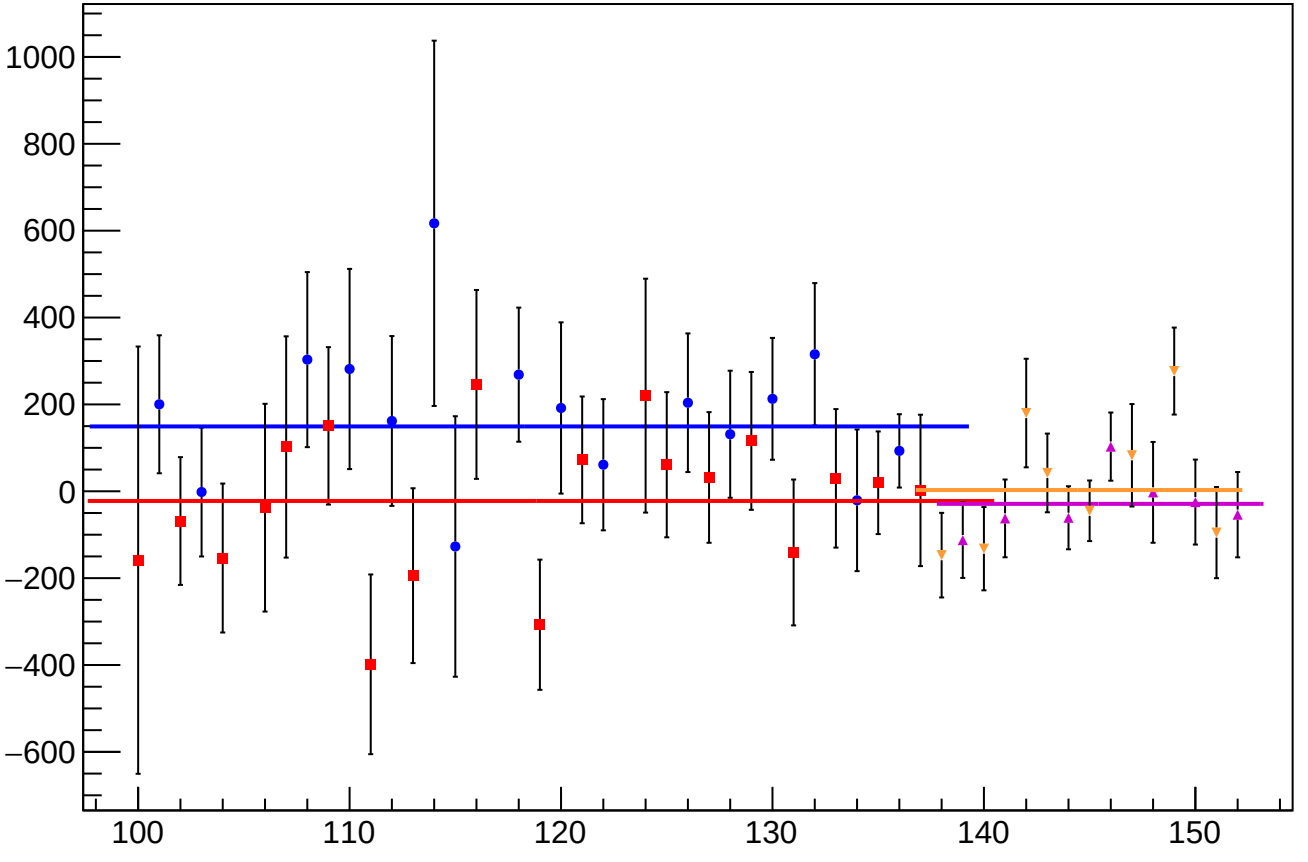
Left In: 459.427+/-0.133 χ^2/NDF:178185.3/6

+ sign 532.612+/-0.108 χ^2/NDF: 2359420.3/23

All: 536.769+/-0.077 χ^2/NDF: 4719275.2/49

- sign 541.027+/-0.109 χ^2/NDF: 2356857.7/25

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.837+/-33.944 χ^2/NDF:15.8/7

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

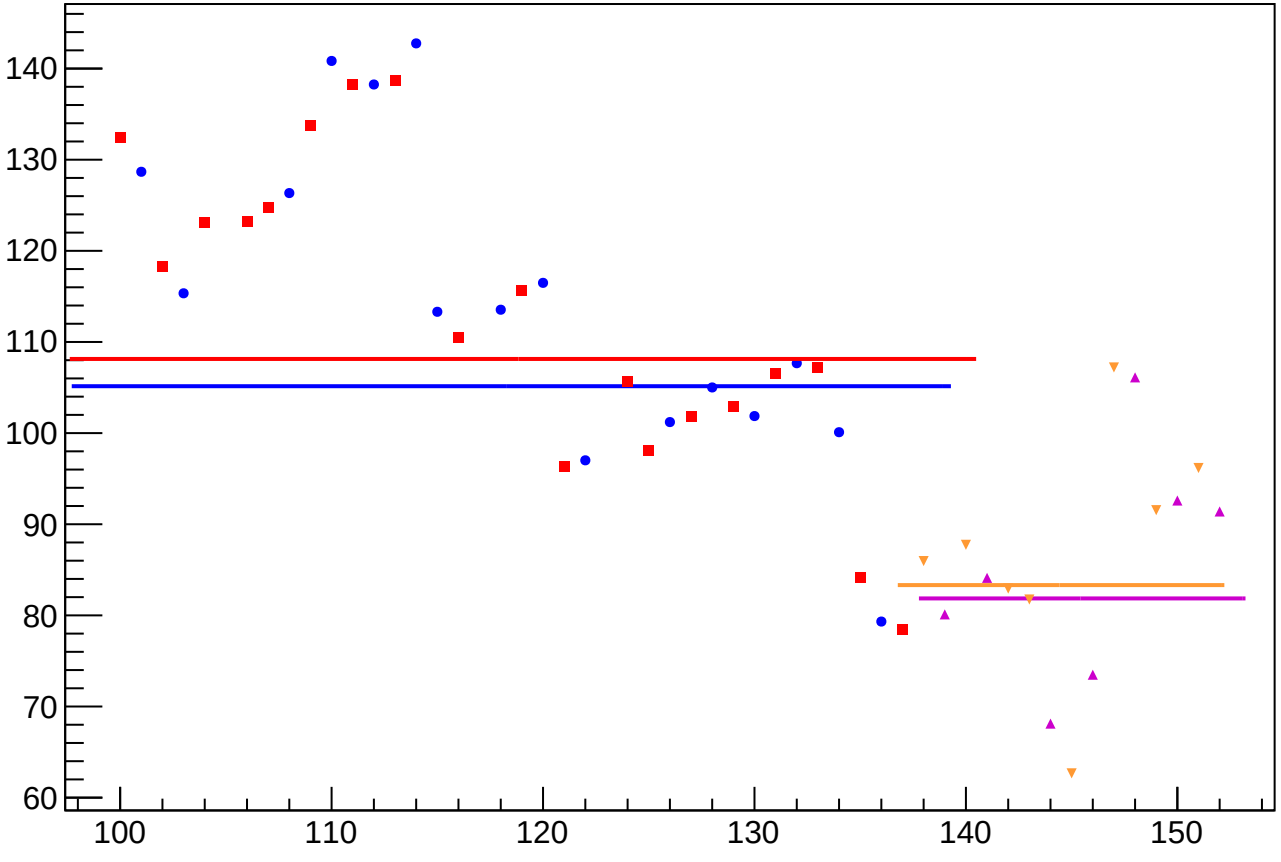
Left In: -28.991+/-33.503 χ^2/NDF:4.2/6

+ sign 64.712+/-25.796 χ^2/NDF: 31.7/23

All: 19.095+/-18.212 χ^2/NDF: 56.4/49

- sign -26.241+/-25.716 χ^2/NDF: 18.4/25

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 83.323+/-0.024 χ^2/NDF:307143.4/7

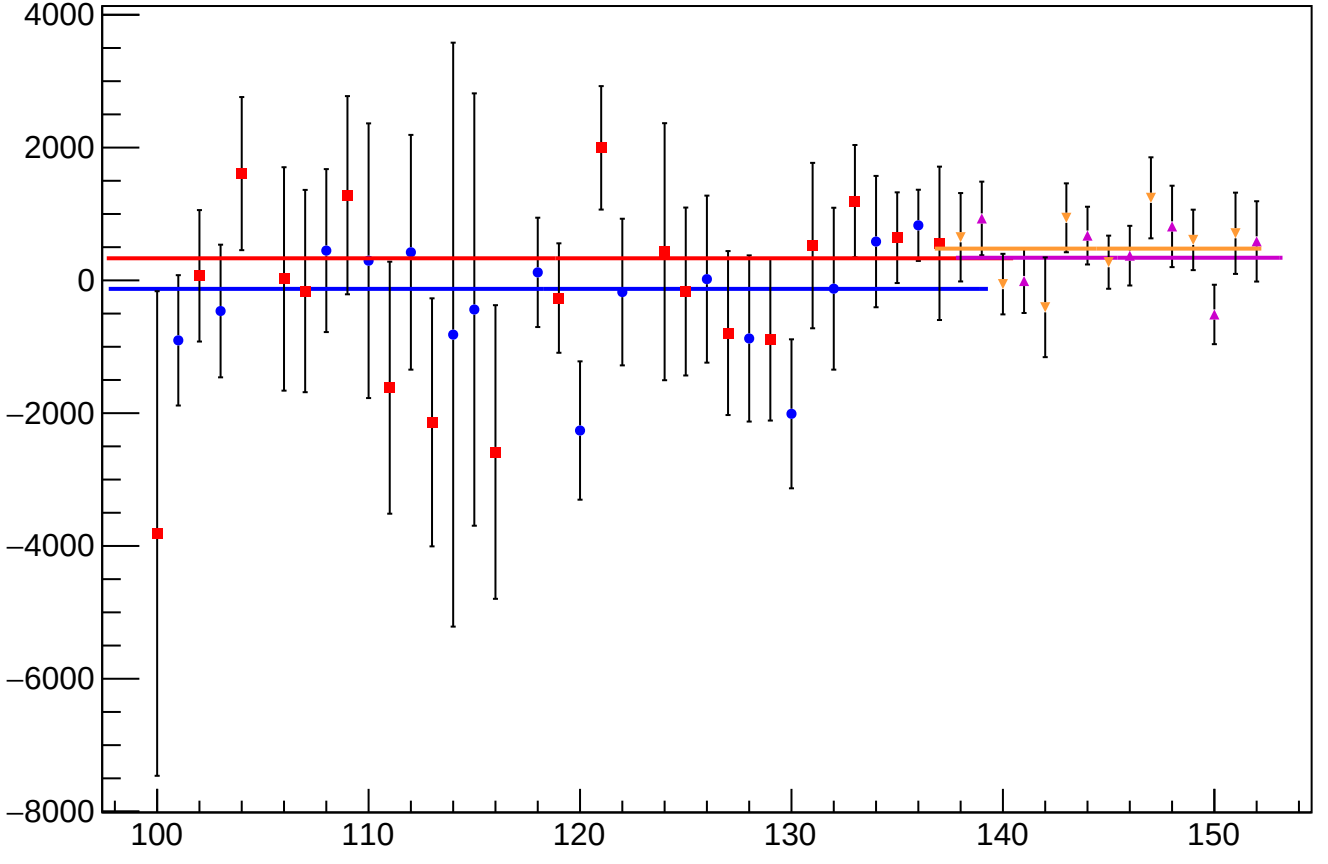
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 81.859+/-0.024 χ^2/NDF:226764.4/6

+ sign 92.543+/-0.018 χ^2/NDF: 1064804.8/23

All: 92.599+/-0.013 χ^2/NDF: 2143345.0/49

- sign 92.654+/-0.018 χ^2/NDF: 1078521.5/25



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 478.334+/-185.776 χ^2/NDF:5.7/7

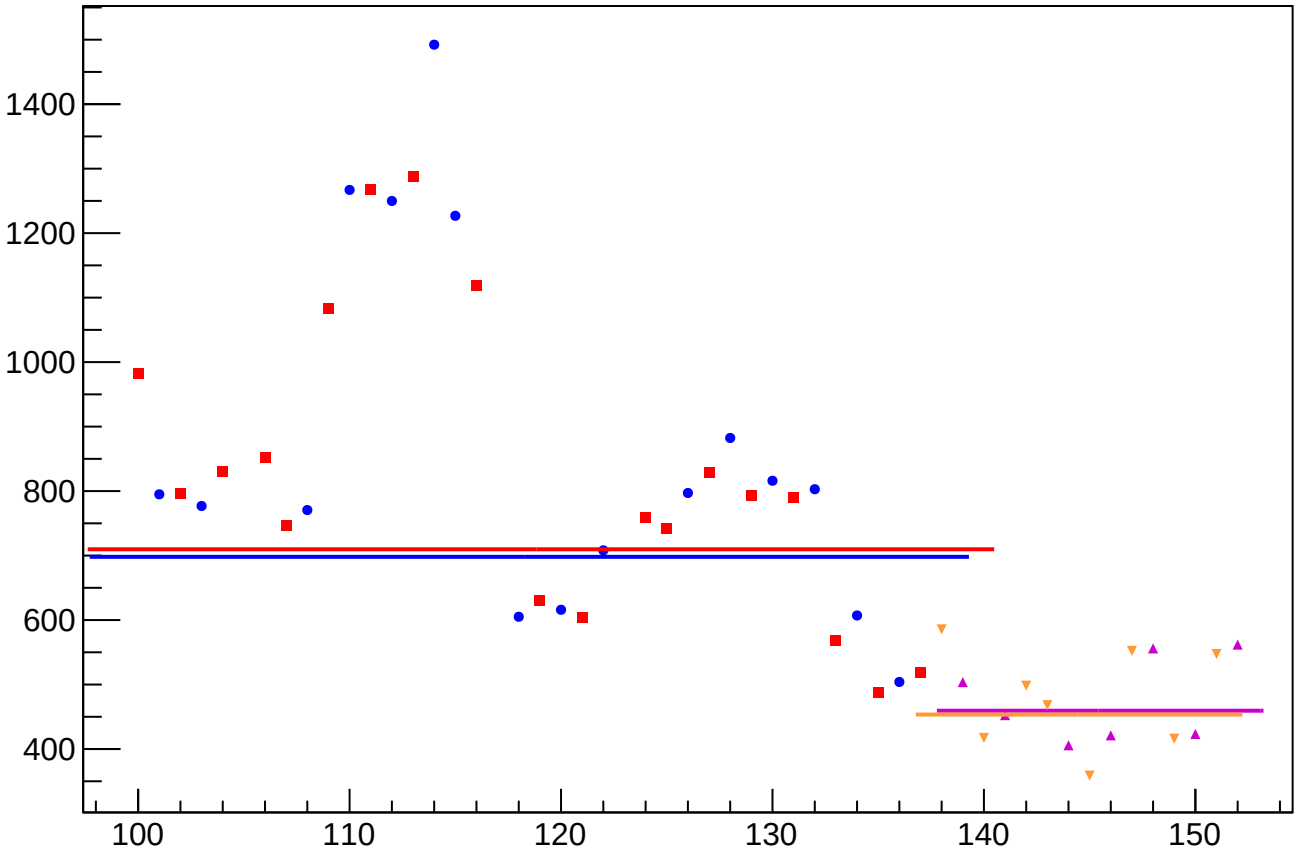
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 340.761+/-188.350 χ^2/NDF:6.7/6

+ sign 282.132+/-152.793 χ^2/NDF: 21.4/23

All: 309.792+/-108.686 χ^2/NDF: 42.9/49

- sign 338.122+/-154.633 χ^2/NDF: 21.4/25



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 453.475+/-0.131 χ^2/NDF:324926.1/7

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

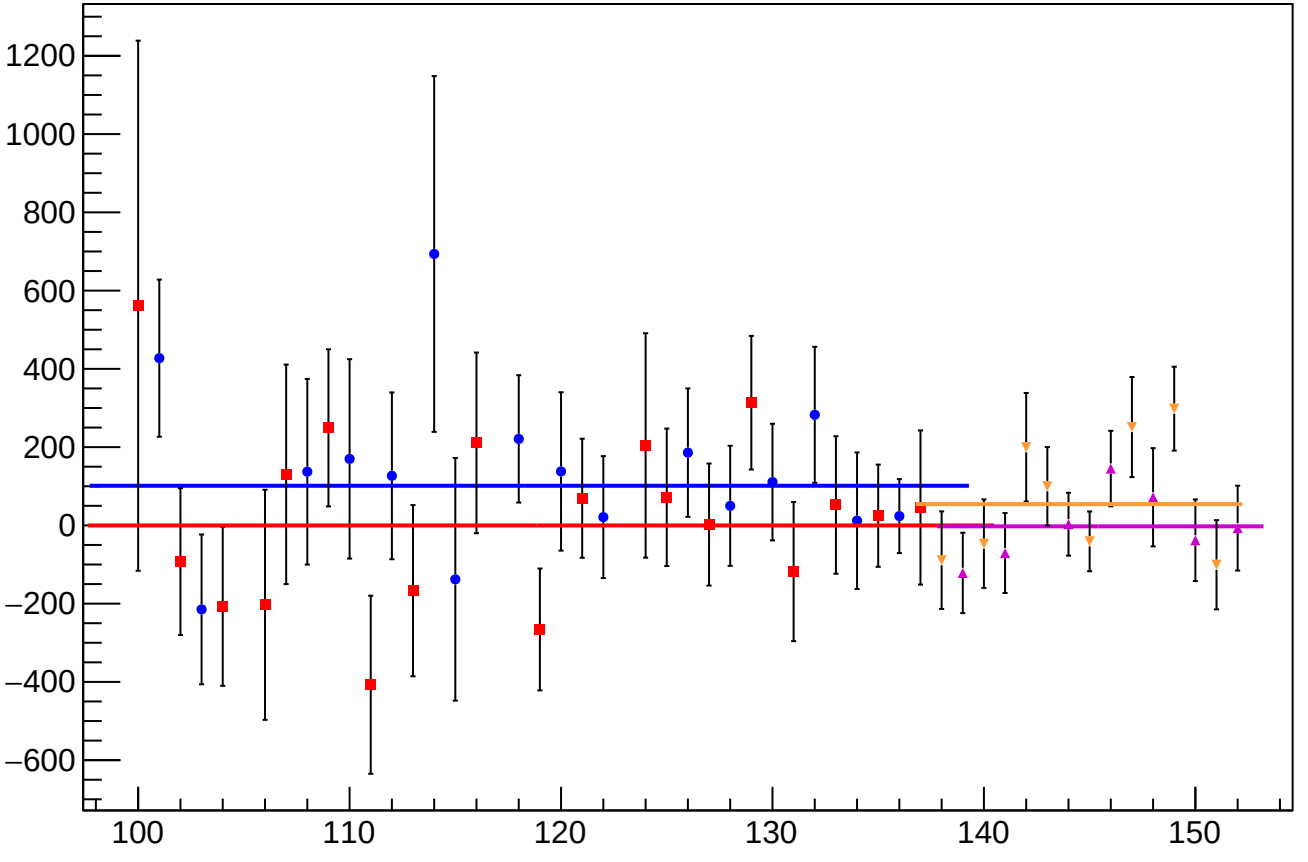
Left In: 459.427+/-0.133 χ^2/NDF:178185.3/6

+ sign 532.612+/-0.108 χ^2/NDF: 2359420.3/23

All: 536.769+/-0.077 χ^2/NDF: 4719275.2/49

- sign 541.027+/-0.109 χ^2/NDF: 2356857.7/25

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 54.375+/-38.053 χ^2/NDF:14.4/7

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

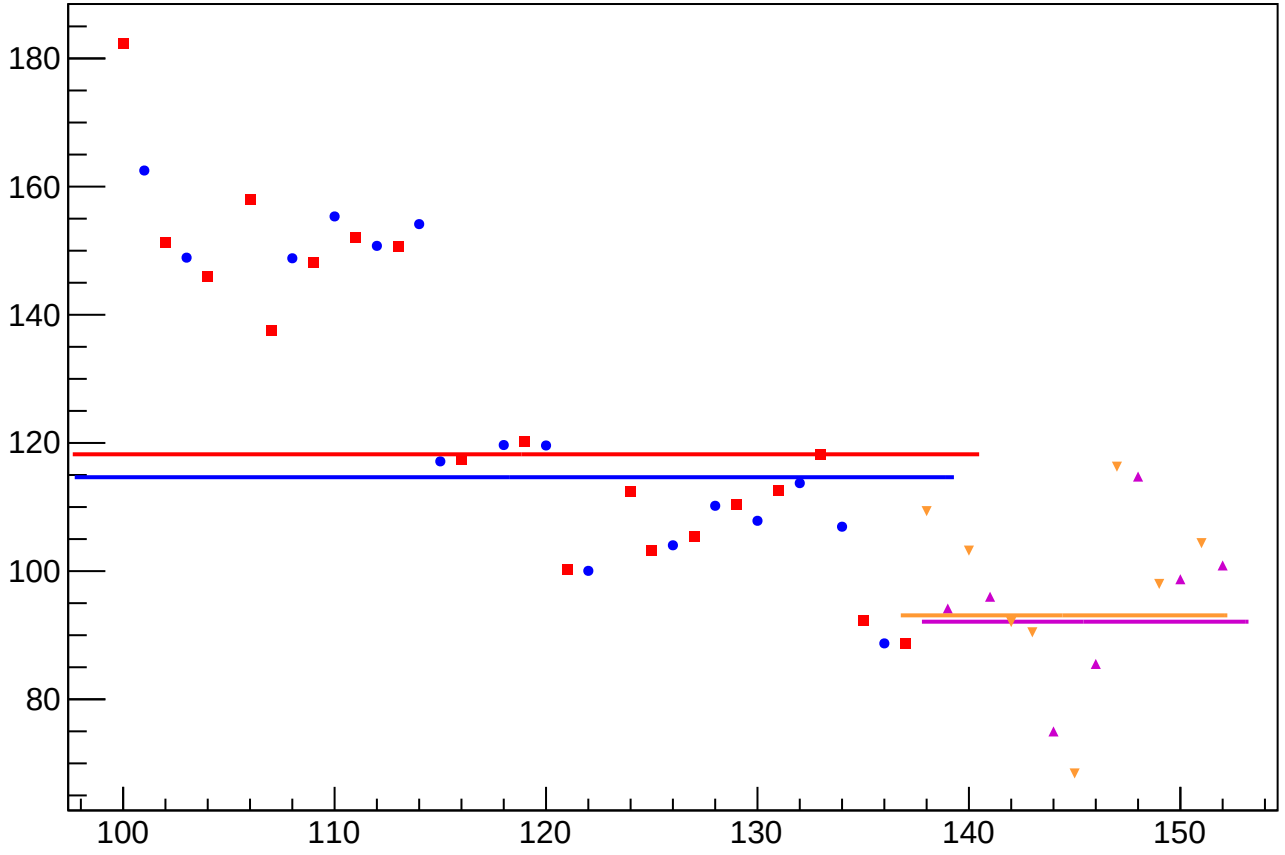
Left In: -2.466+/-37.971 χ^2/NDF:4.6/6

+ sign 74.704+/-28.644 χ^2/NDF: 26.0/23

All: 36.767+/-20.294 χ^2/NDF: 50.8/49

- sign -1.468+/-28.756 χ^2/NDF: 21.2/25

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 93.098+/-0.027 χ^2/NDF:349572.4/7

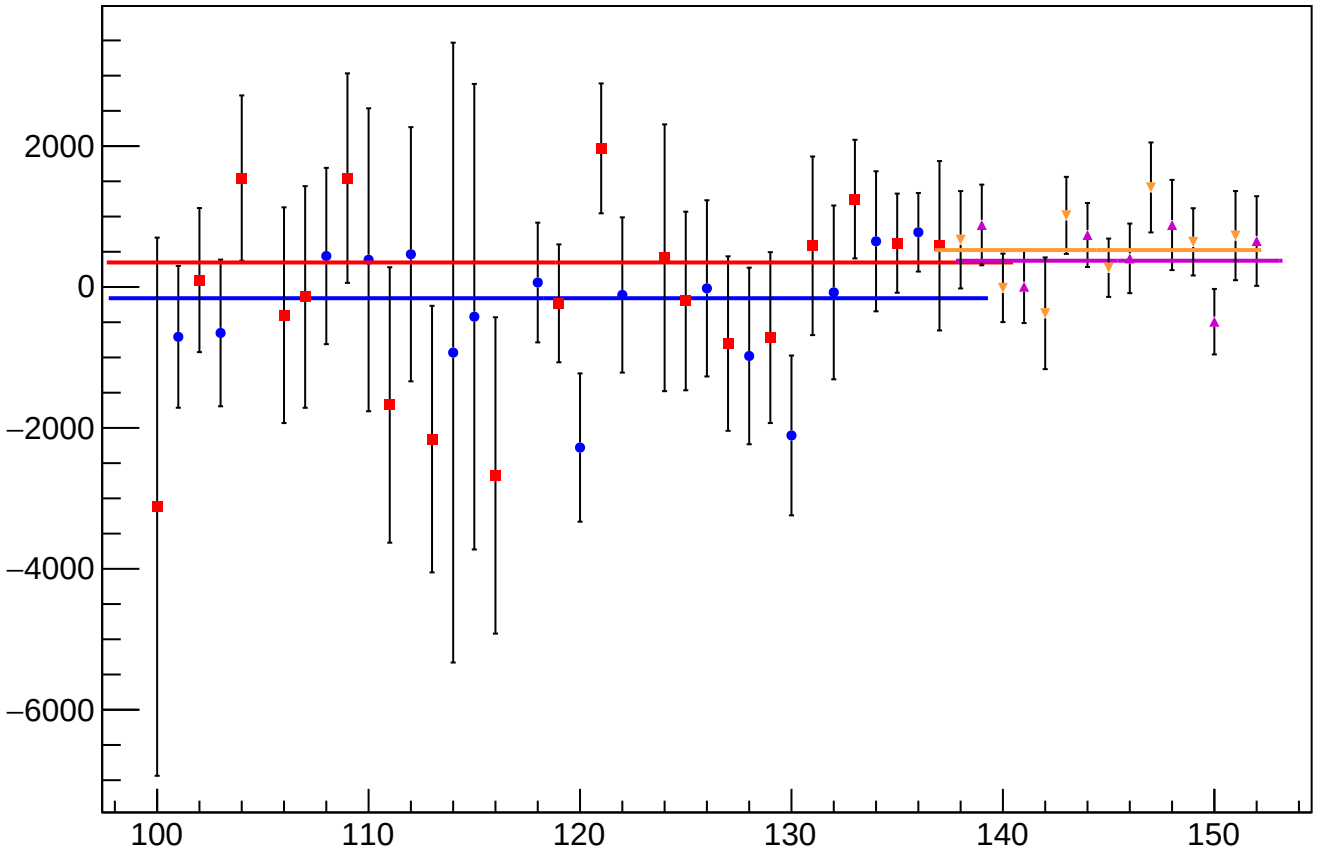
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 92.109+/-0.027 χ^2/NDF:190221.7/6

+ sign 102.441+/-0.020 χ^2/NDF: 1159711.2/23

All: 102.843+/-0.014 χ^2/NDF: 2237786.7/49

- sign 103.249+/-0.020 χ^2/NDF: 1077282.9/25



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 524.093+/-194.460 χ^2/NDF:5.8/7

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

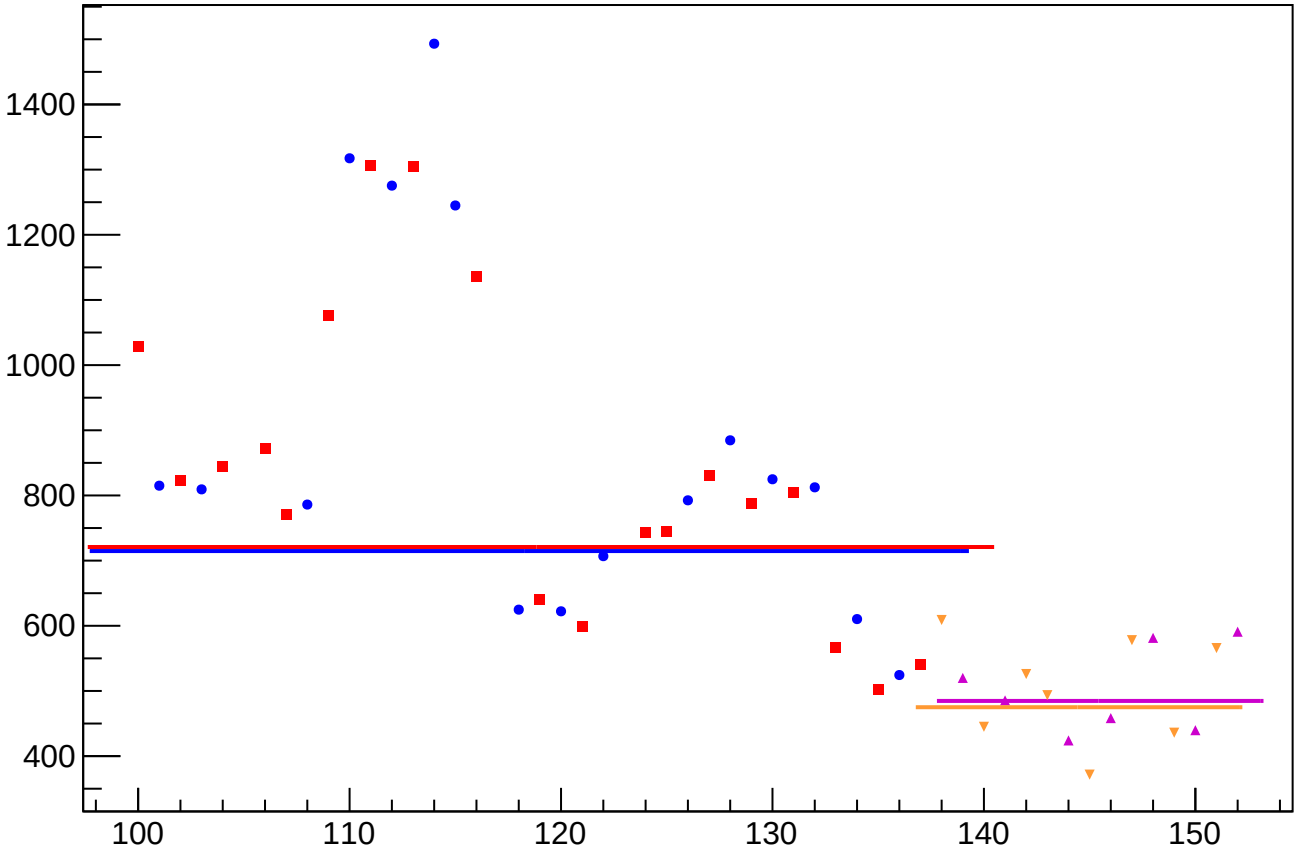
Left In: 373.046+/-198.845 χ^2/NDF:6.2/6

\+ sign 295.861+/-158.689 χ^2/NDF: 21.9/23

All: 329.751+/-112.967 χ^2/NDF: 42.6/49

\- sign 364.571+/-160.851 χ^2/NDF: 20.5/25

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 475.038+/-0.138 χ^2/NDF:324662.6/7

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

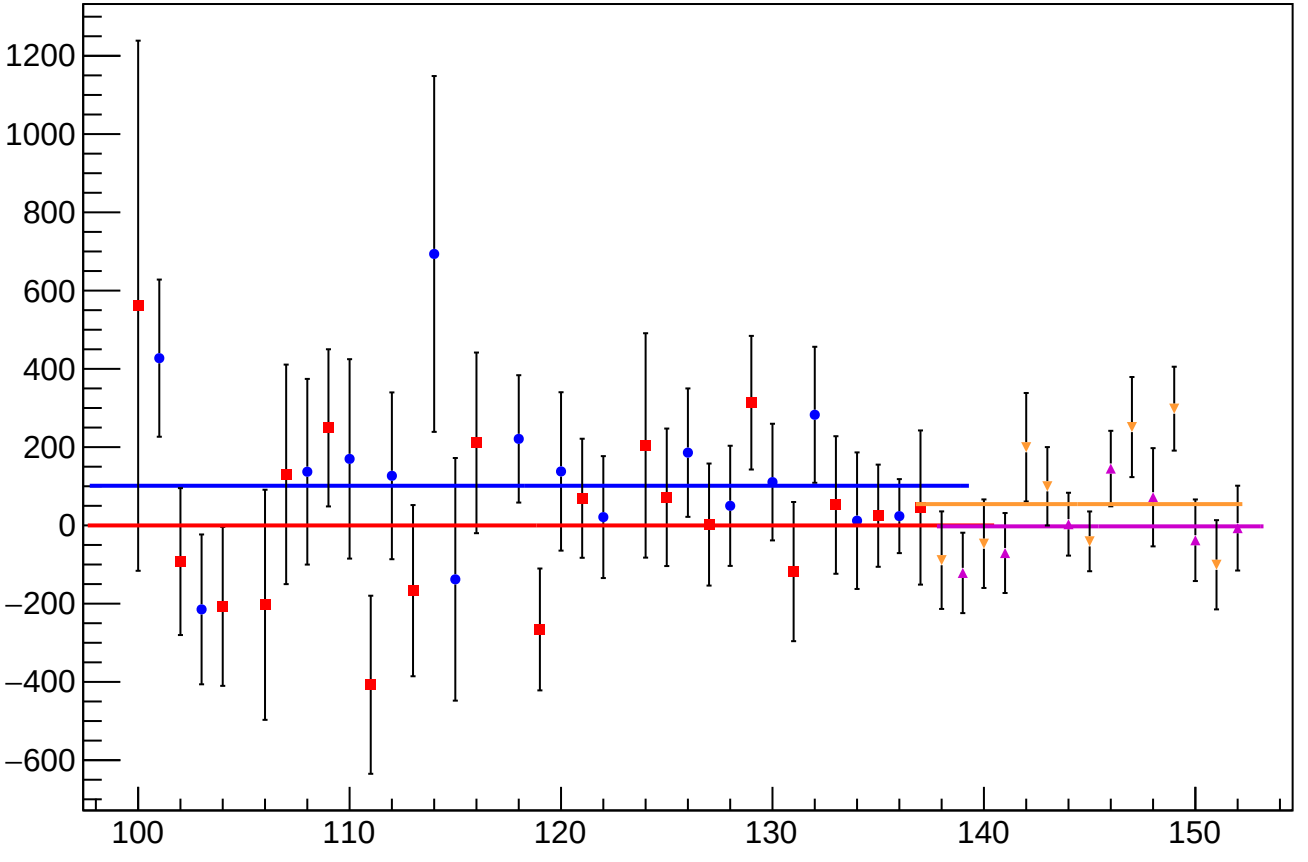
Left In: 484.701+/-0.141 χ^2/NDF:169076.7/6

+ sign 555.089+/-0.112 χ^2/NDF: 2215425.4/23

All: 560.637+/-0.080 χ^2/NDF: 4383166.3/49

- sign 566.337+/-0.114 χ^2/NDF: 2162785.1/25

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 54.374+/-38.053 χ^2/NDF:14.4/7

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

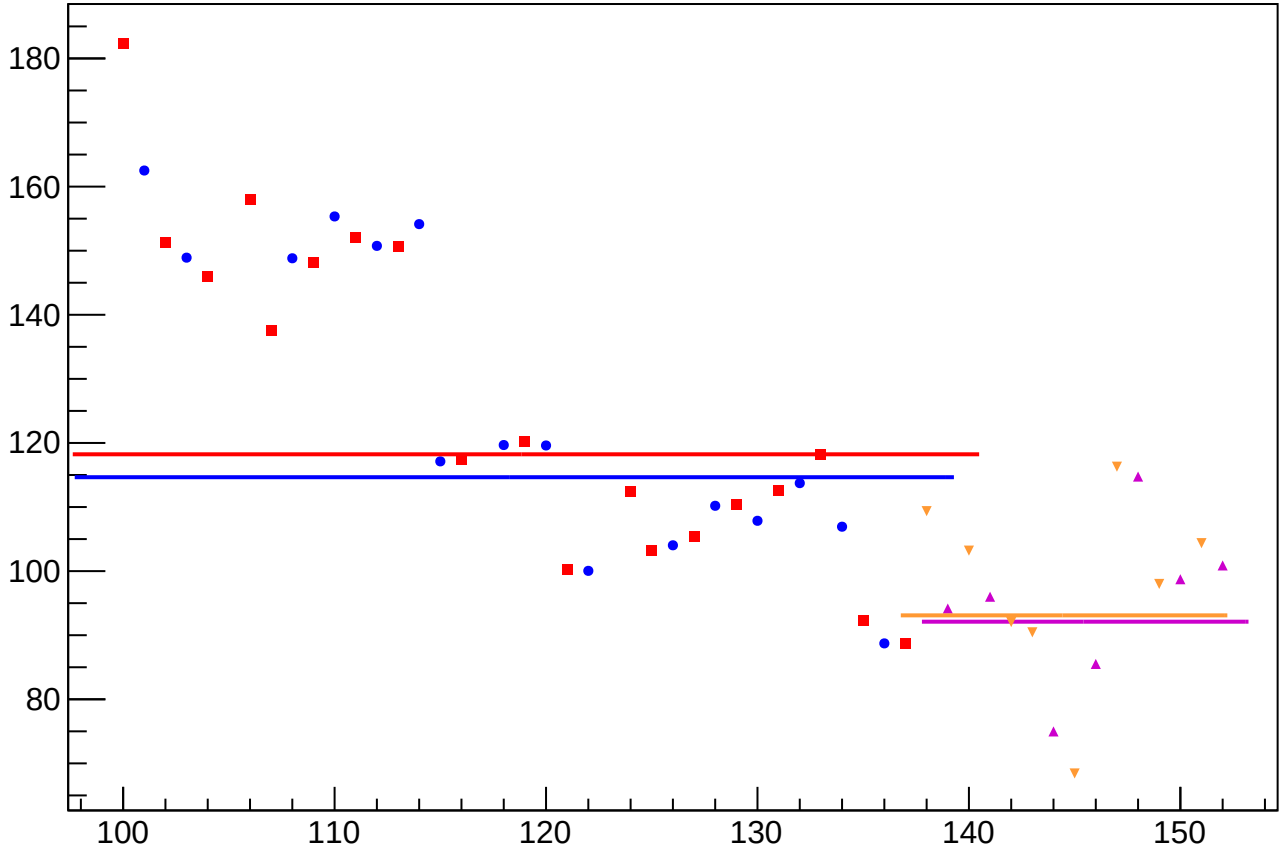
Left In: -2.465+/-37.971 χ^2/NDF:4.6/6

+ sign 74.703+/-28.644 χ^2/NDF: 26.0/23

All: 36.767+/-20.294 χ^2/NDF: 50.8/49

- sign -1.467+/-28.756 χ^2/NDF: 21.2/25

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 93.098+/-0.027 χ^2/NDF:349578.5/7

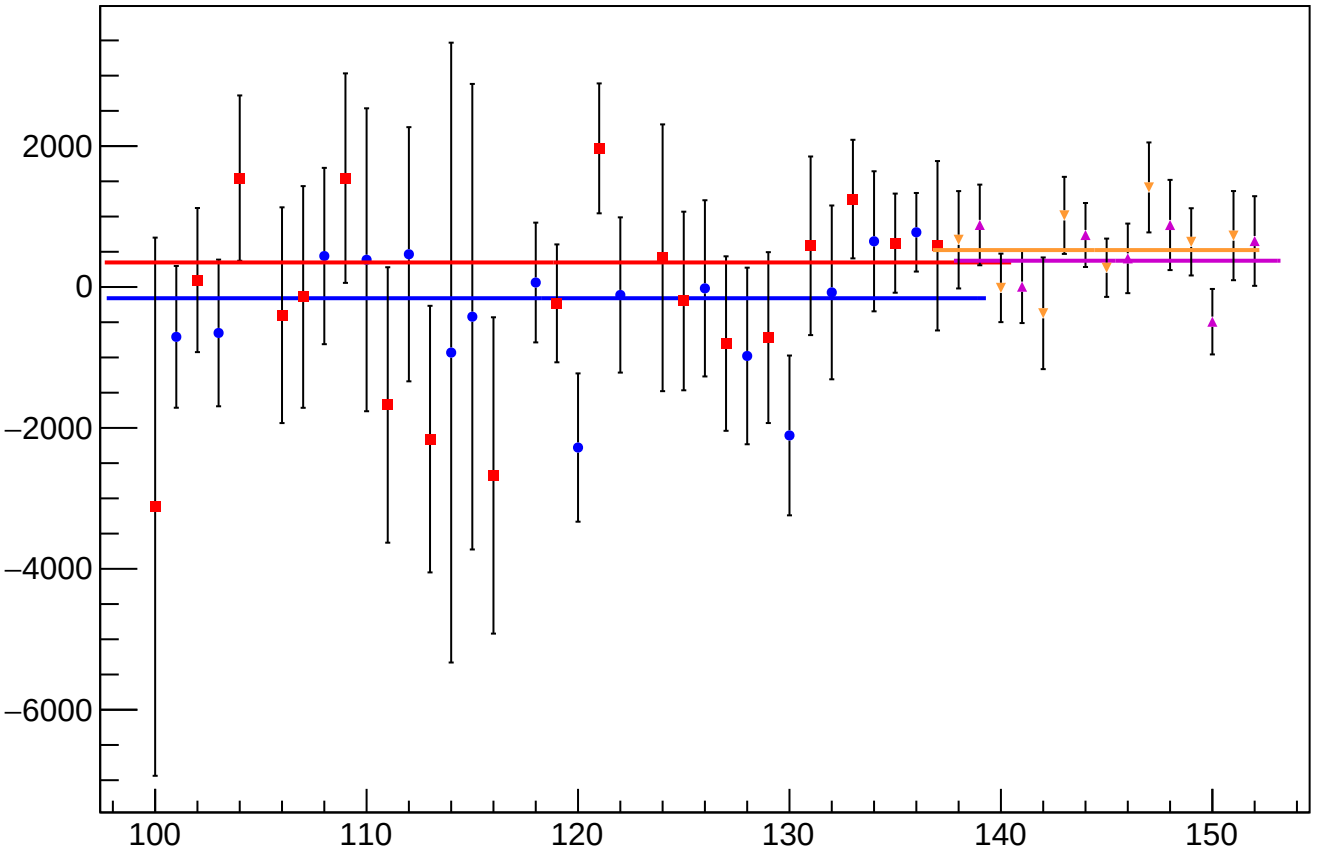
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 92.109+/-0.027 χ^2/NDF:190222.6/6

+ sign 102.441+/-0.020 χ^2/NDF: 1159706.8/23

All: 102.843+/-0.014 χ^2/NDF: 2237773.7/49

- sign 103.249+/-0.020 χ^2/NDF: 1077274.5/25



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 524.092+/-194.460 χ^2/NDF:5.8/7

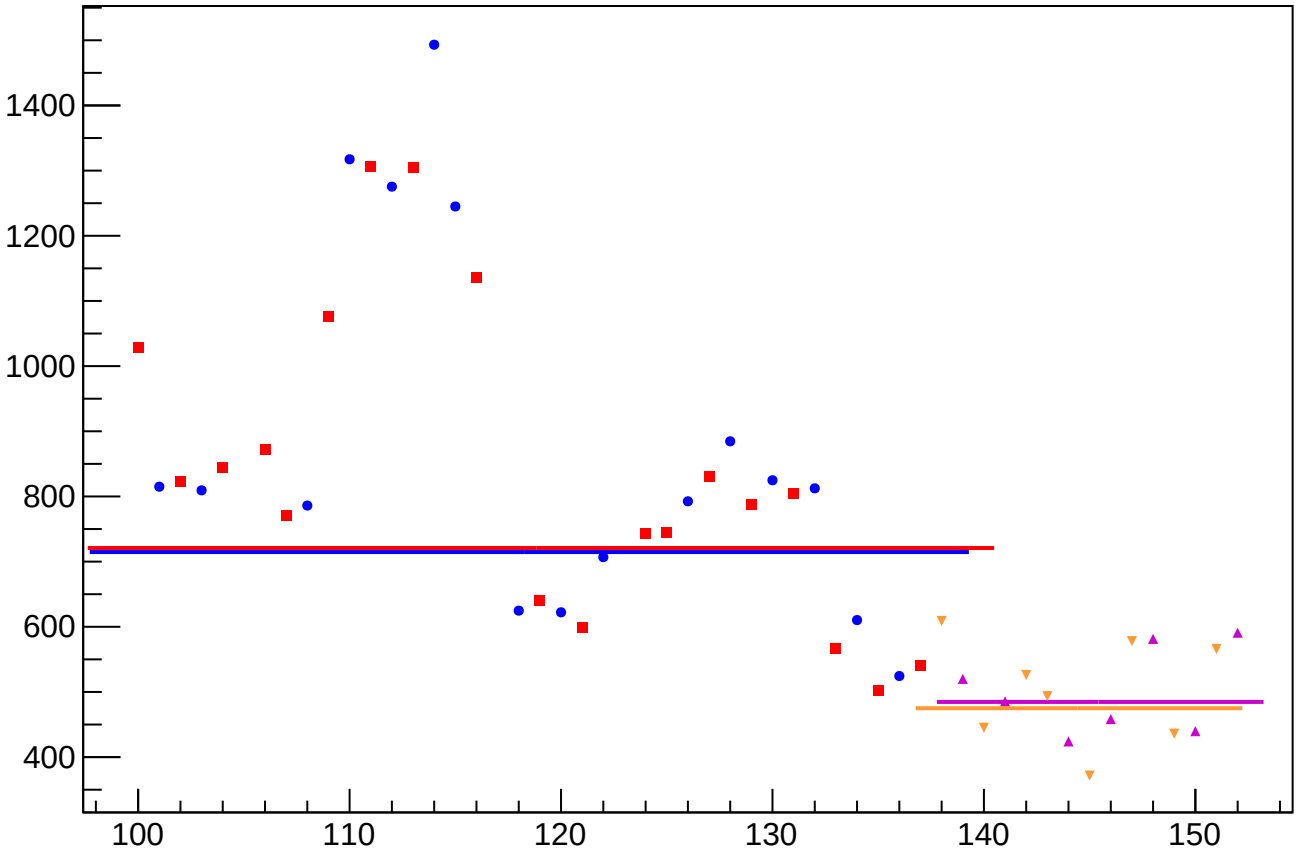
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 373.047+/-198.846 χ^2/NDF:6.2/6

+ sign 295.860+/-158.689 χ^2/NDF: 21.9/23

All: 329.751+/-112.967 χ^2/NDF: 42.6/49

- sign 364.572+/-160.851 χ^2/NDF: 20.5/25



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 475.039+/-0.138 χ^2/NDF:324667.1/7

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

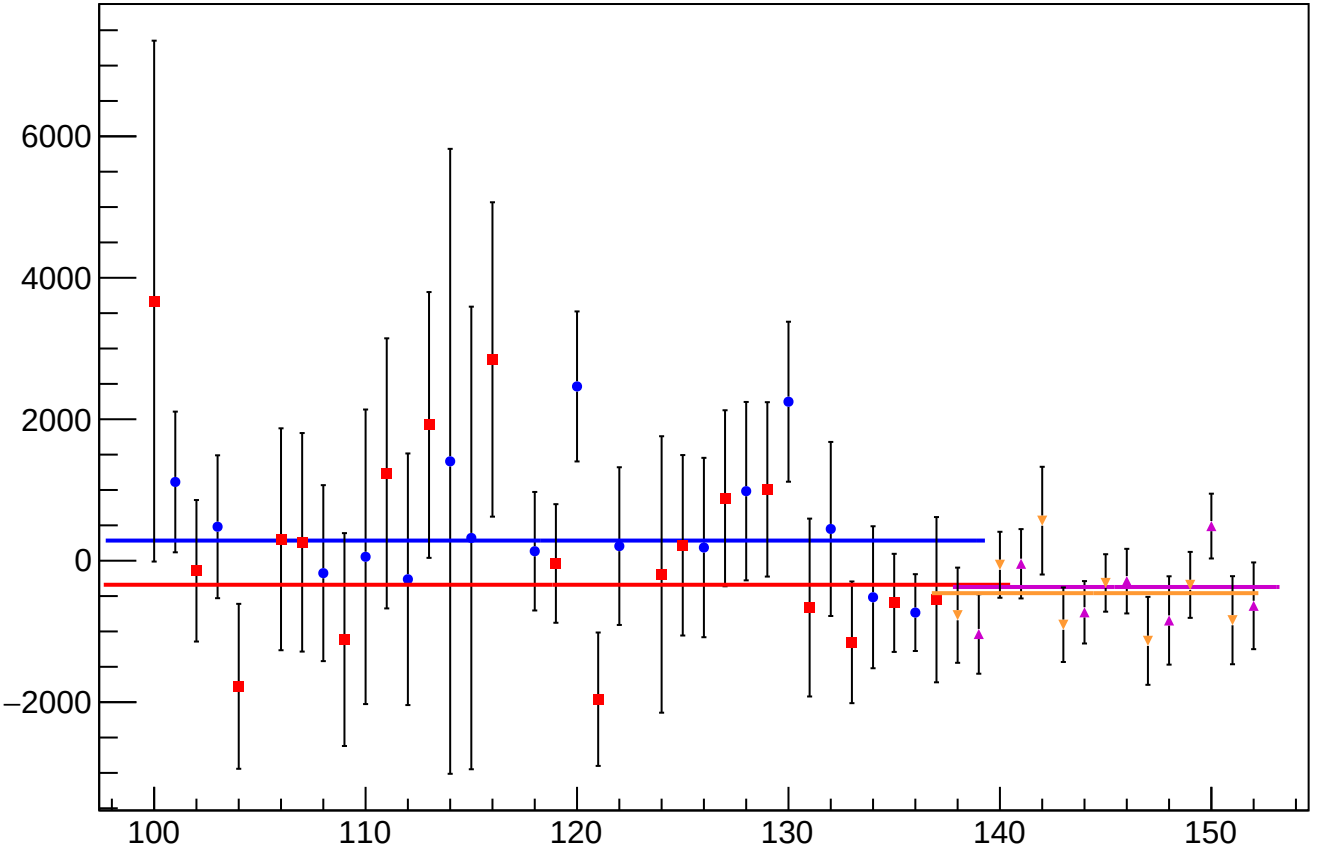
Left In: 484.702+/-0.141 χ^2/NDF:169076.3/6

+ sign 555.089+/-0.112 χ^2/NDF: 2215422.1/23

All: 560.637+/-0.080 χ^2/NDF: 4383151.0/49

- sign 566.337+/-0.114 χ^2/NDF: 2162773.0/25

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -458.769+/-189.127 χ^2/NDF:5.2/7

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

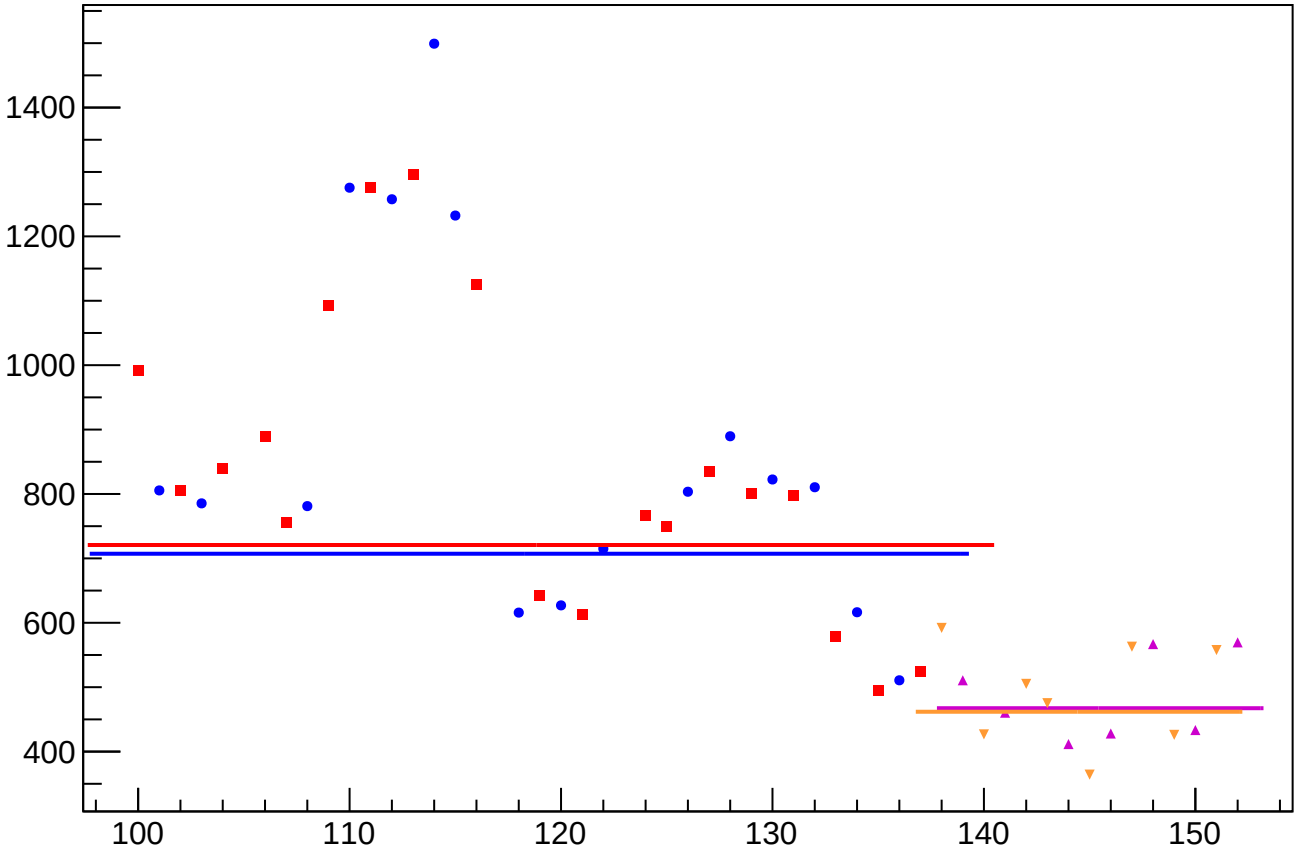
Left In: -371.482+/-191.545 χ^2/NDF:6.8/6

+ sign -216.377+/-155.269 χ^2/NDF: 23.1/23

All: -287.993+/-110.368 χ^2/NDF: 44.4/49

- sign -361.133+/-156.913 χ^2/NDF: 20.9/25

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 461.872+/-0.134 χ^2/NDF:321347.4/7

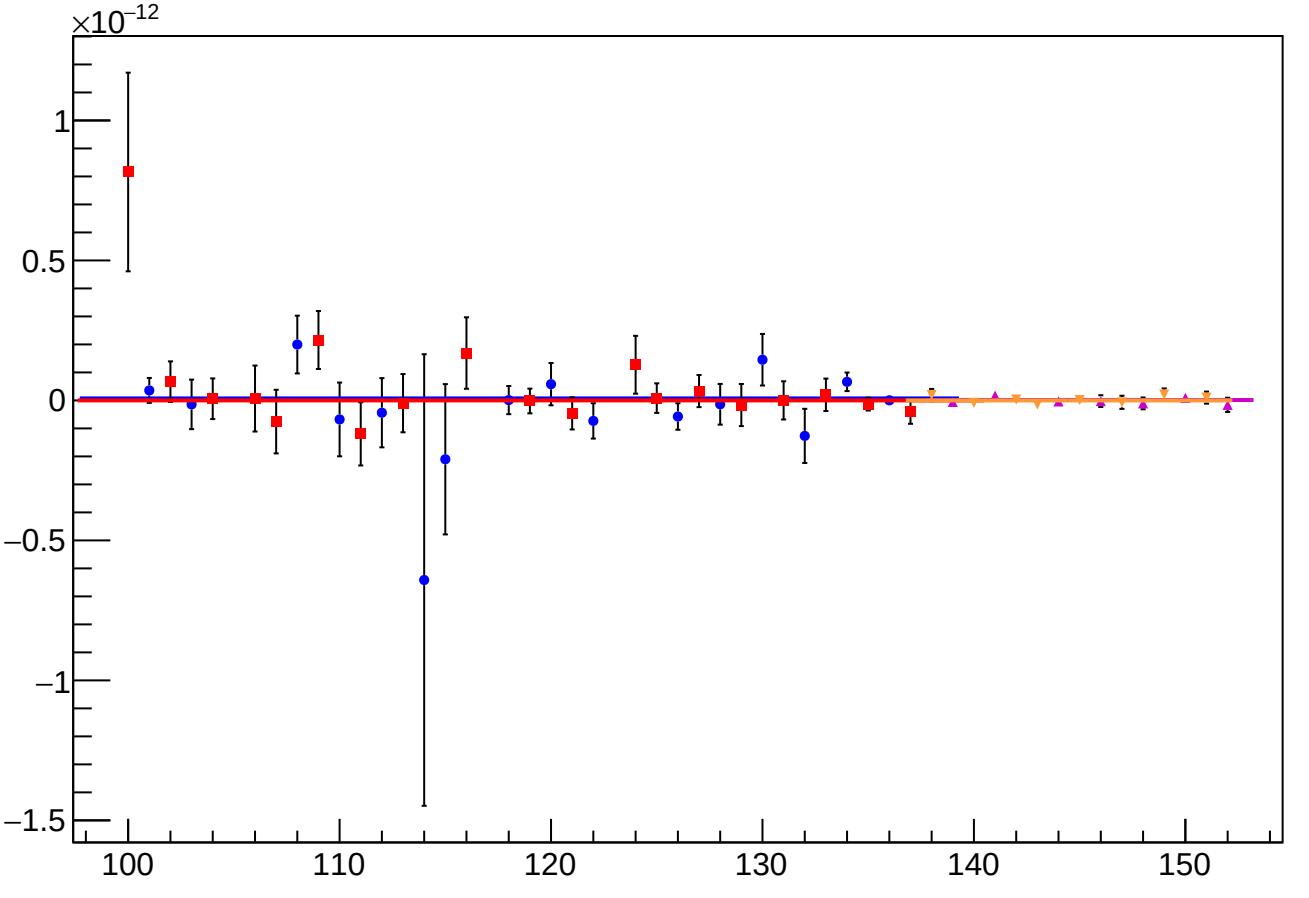
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 467.362+/-0.135 χ^2/NDF:176343.1/6

+ sign 541.850+/-0.110 χ^2/NDF: 2315181.2/23

All: 546.235+/-0.078 χ^2/NDF: 4661457.7/49

- sign 550.714+/-0.111 χ^2/NDF: 2343051.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.4/7

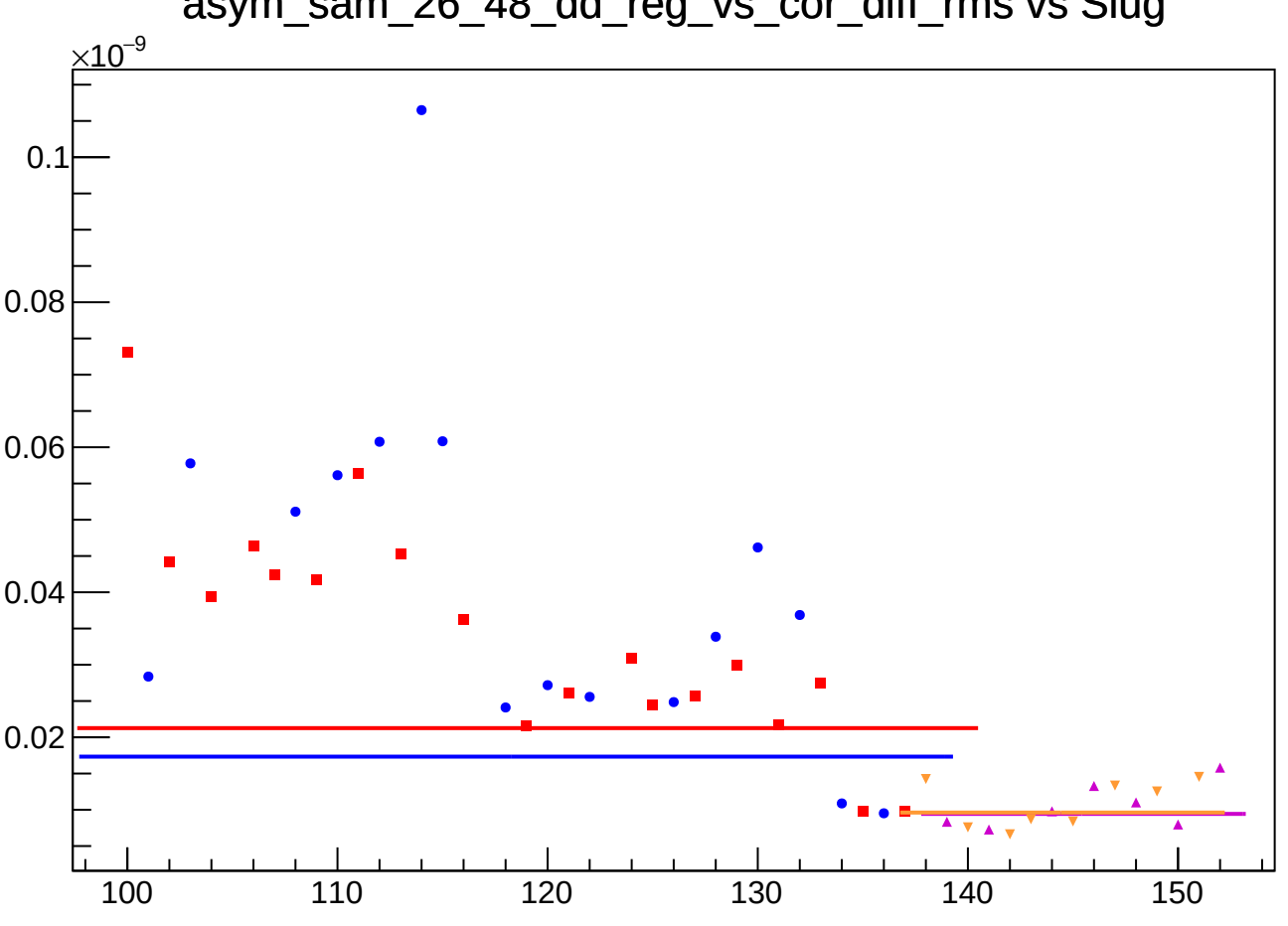
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/23

All: 0.000+/-0.000 χ^2/NDF: 41.6/49

- sign 0.000+/-0.000 χ^2/NDF: 20.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:412555.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

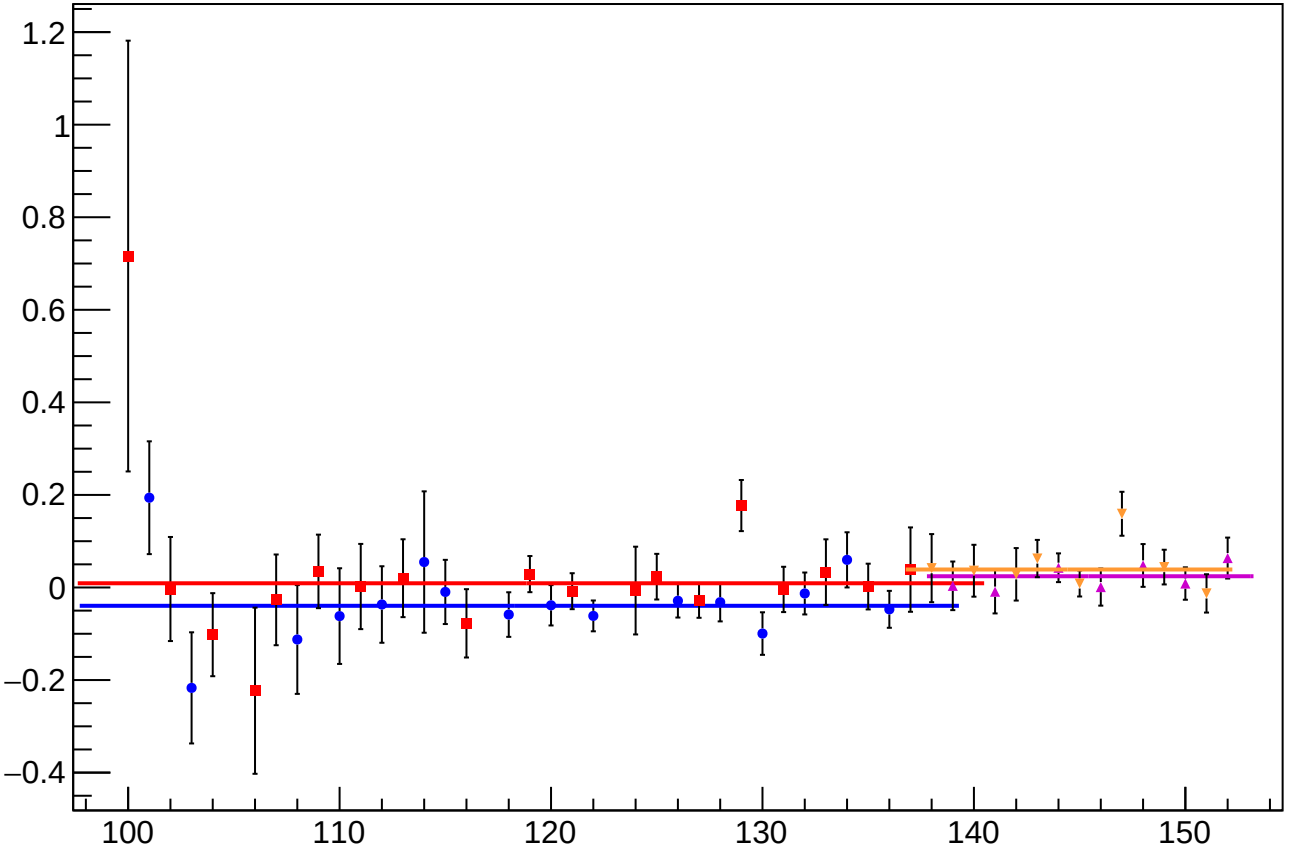
Left In: 0.000+/-0.000 χ^2/NDF:285730.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3488543.2/23

All: 0.000+/-0.000 χ^2/NDF: 6733665.5/49

- sign 0.000+/-0.000 χ^2/NDF: 3243576.3/25

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: 0.039+/-0.015 χ^2/NDF:9.5/7

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

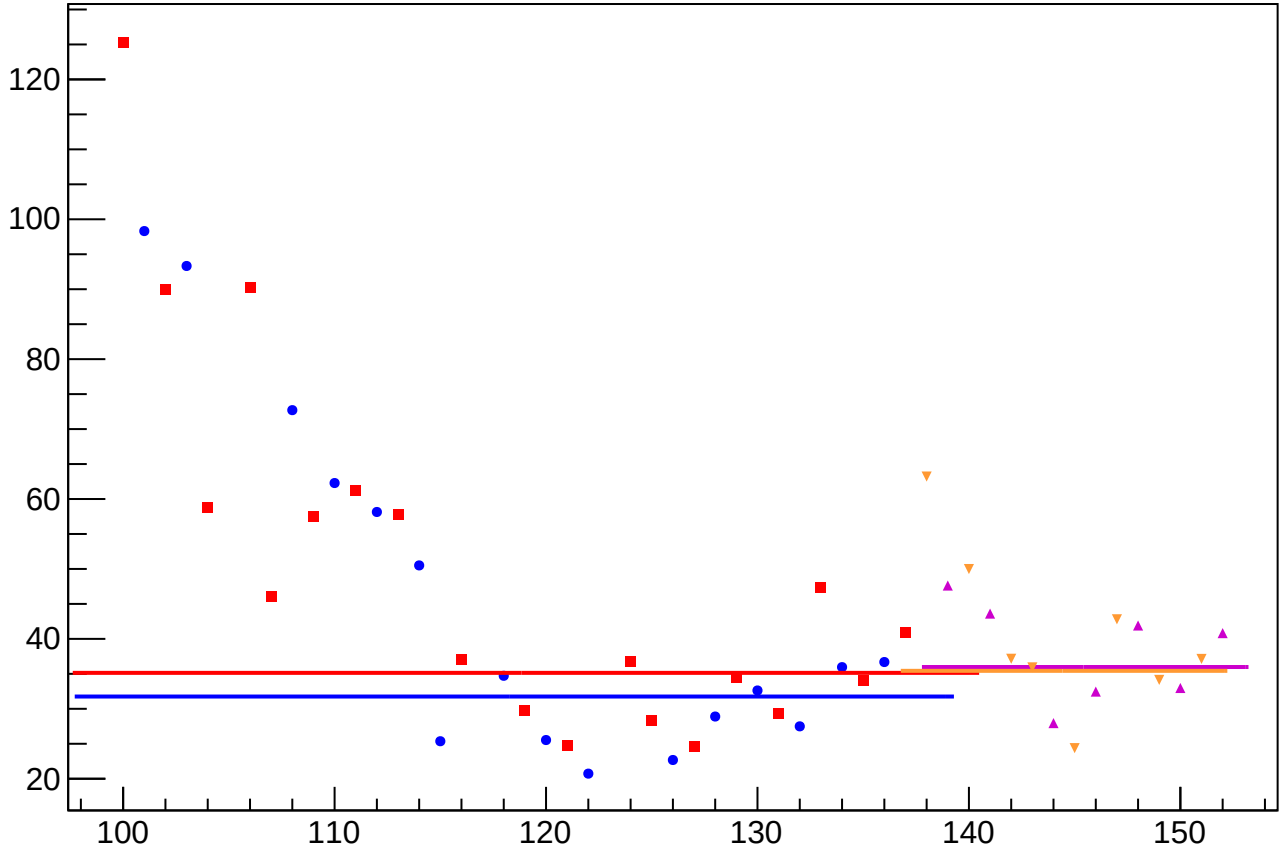
Left In: 0.024+/-0.015 χ^2/NDF:2.6/6

+ sign -0.006+/-0.010 χ^2/NDF: 37.4/23

All: 0.005+/-0.007 χ^2/NDF: 61.1/49

- sign 0.016+/-0.010 χ^2/NDF: 21.4/25

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: 35.430+/-0.011 χ^2/NDF:784377.3/7

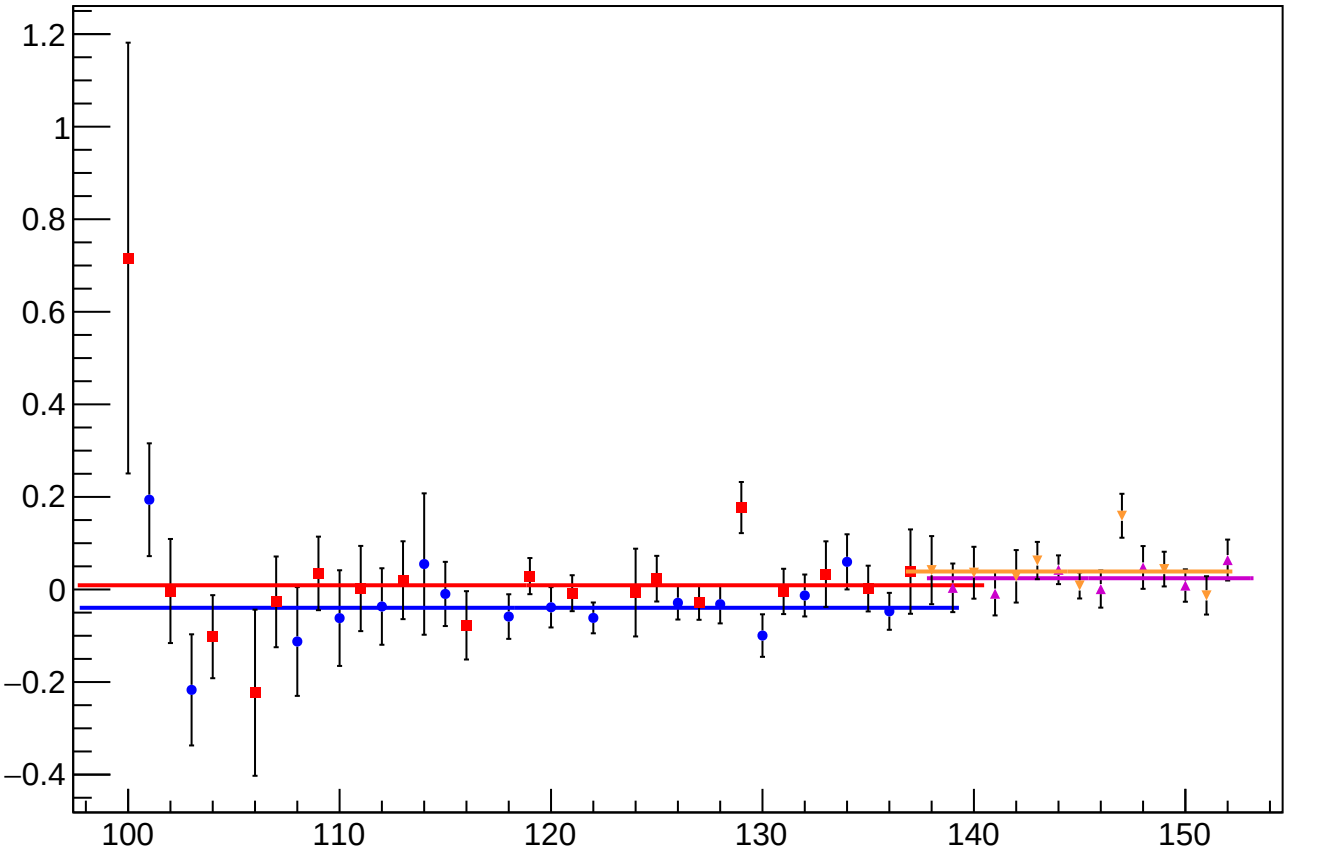
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.976+/-0.011 χ^2/NDF:371567.6/6

+ sign 33.351+/-0.007 χ^2/NDF: 3104475.8/23

All: 34.385+/-0.005 χ^2/NDF: 5369802.5/49

- sign 35.525+/-0.007 χ^2/NDF: 2219459.1/25



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.015 χ^2/NDF:9.5/7

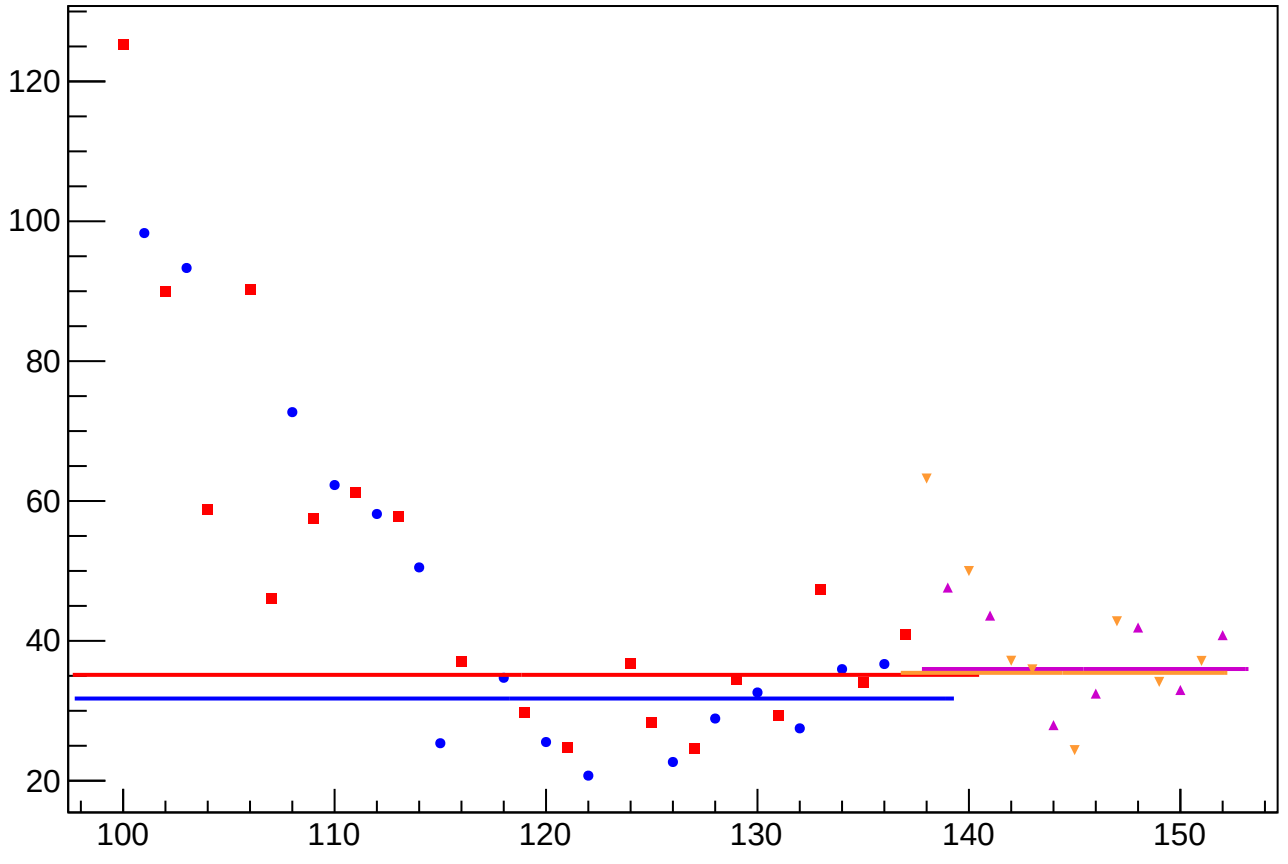
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.024+/-0.015 χ^2/NDF:2.6/6

\+ sign -0.006+/-0.010 χ^2/NDF: 37.4/23

All: 0.005+/-0.007 χ^2/NDF: 61.1/49

\- sign 0.016+/-0.010 χ^2/NDF: 21.4/25



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.430+/-0.011 χ^2/NDF:784377.3/7

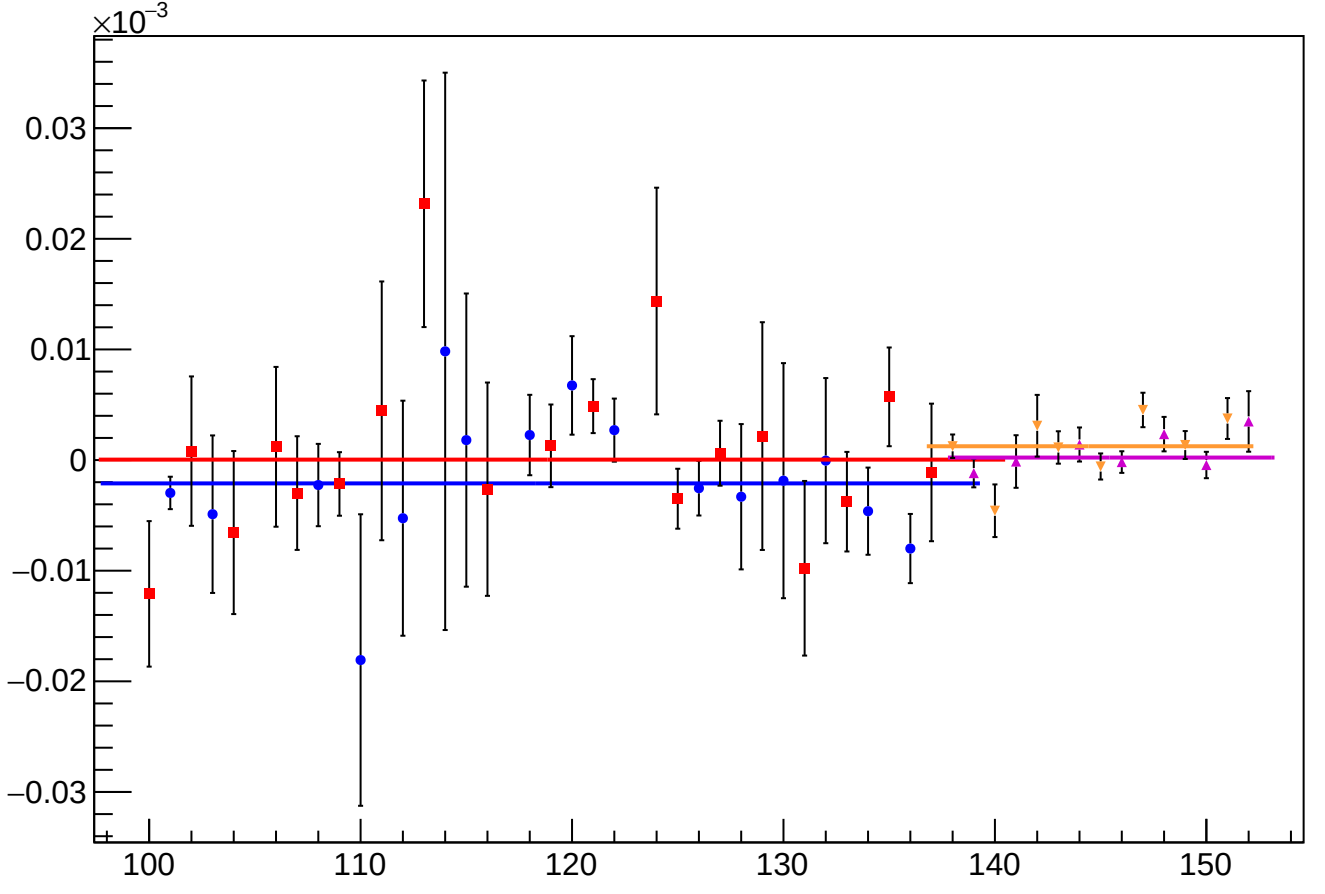
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.976+/-0.011 χ^2/NDF:371567.6/6

+ sign 33.351+/-0.007 χ^2/NDF: 3104475.8/23

All: 34.385+/-0.005 χ^2/NDF: 5369802.5/49

- sign 35.525+/-0.007 χ^2/NDF: 2219459.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/7

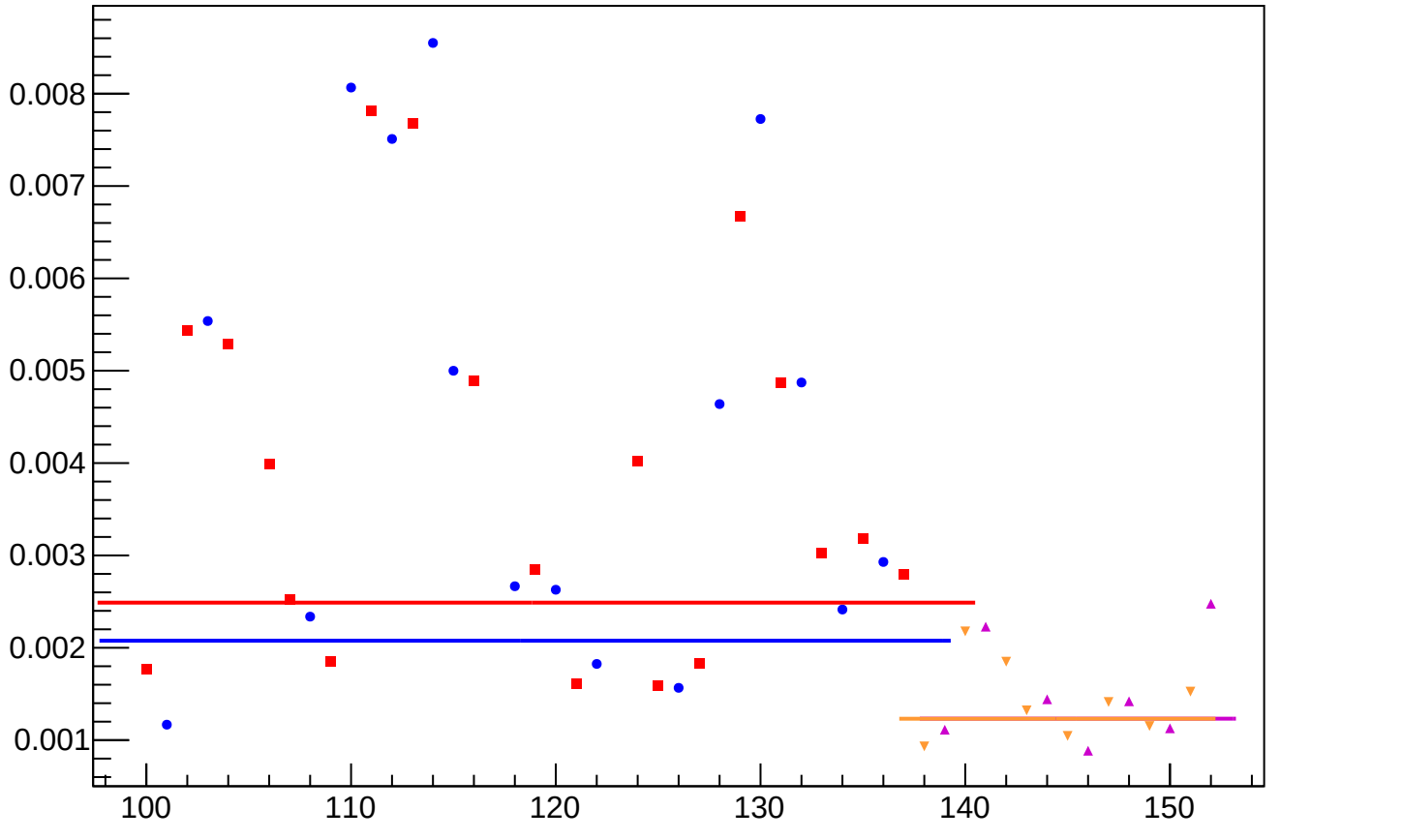
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 40.1/23

All: 0.000+/-0.000 χ^2/NDF: 67.3/49

- sign 0.000+/-0.000 χ^2/NDF: 27.0/25



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:715939.8/7

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

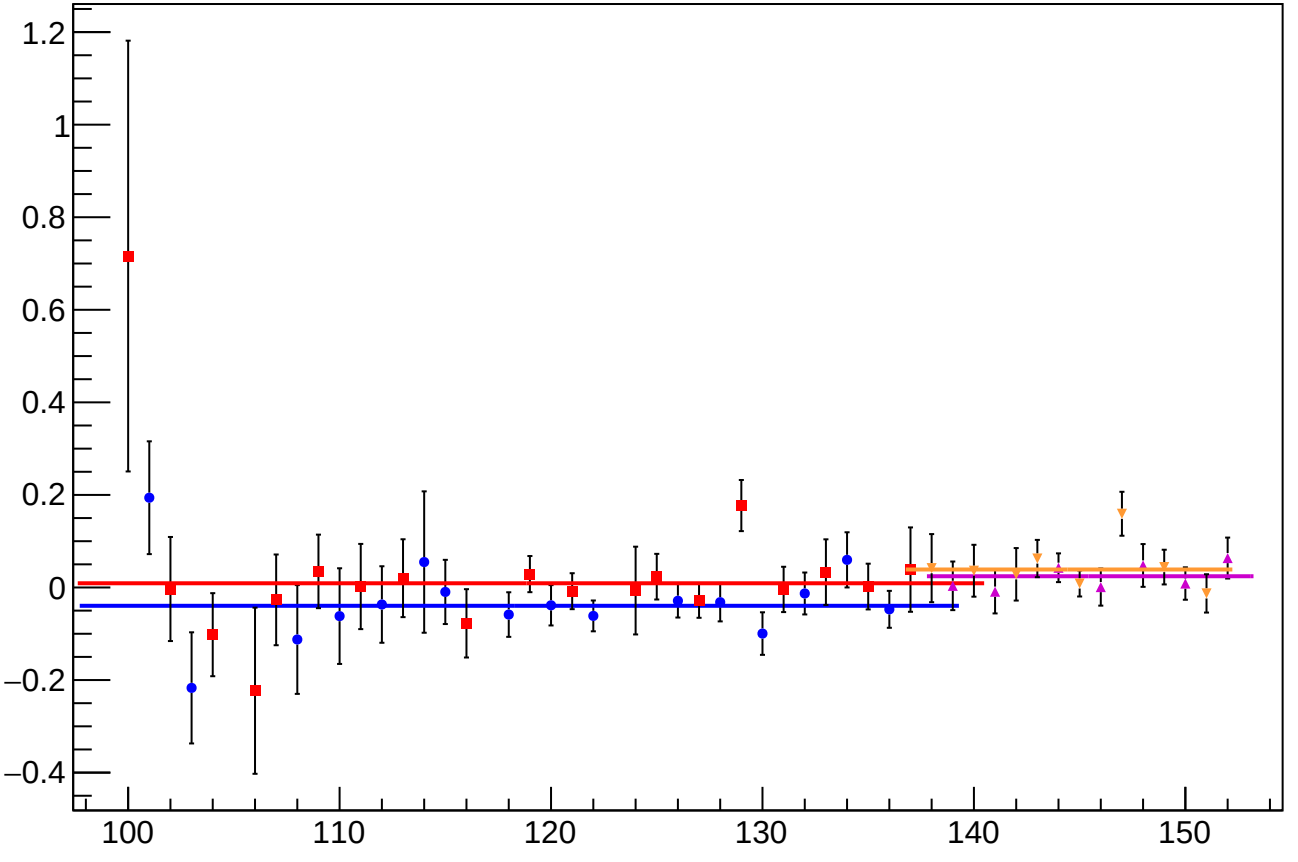
Left In: 0.001+/-0.000 χ^2/NDF:1116407.7/6

+ sign 0.001+/-0.000 χ^2/NDF: 5933859.2/23

All: 0.001+/-0.000 χ^2/NDF: 12457878.6/49

- sign 0.001+/-0.000 χ^2/NDF: 6510005.1/25

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: 0.039+/-0.015 χ^2/NDF:9.5/7

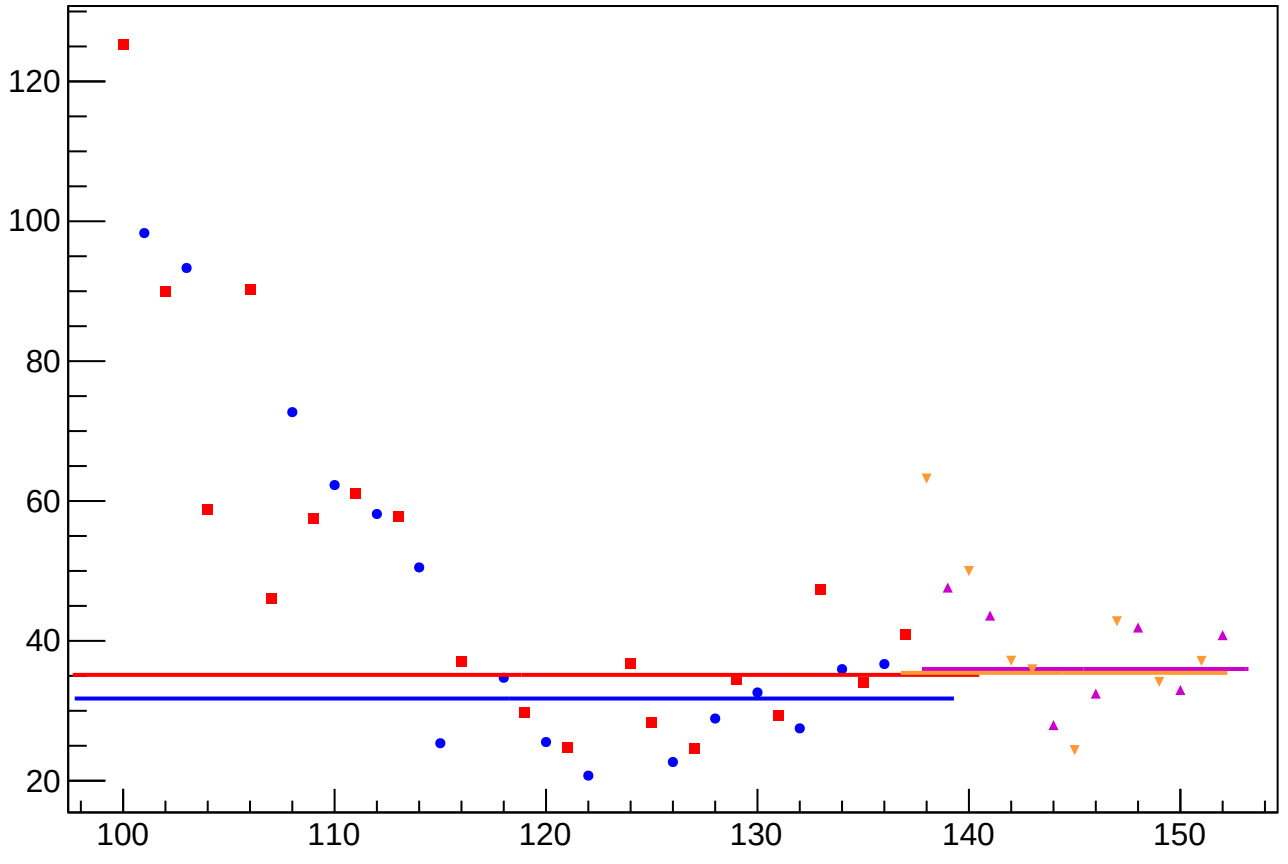
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.024+/-0.015 χ^2/NDF:2.6/6

+ sign -0.006+/-0.010 χ^2/NDF: 37.4/23

All: 0.005+/-0.007 χ^2/NDF: 61.1/49

- sign 0.016+/-0.010 χ^2/NDF: 21.4/25



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.430+/-0.011 χ^2/NDF:784428.2/7

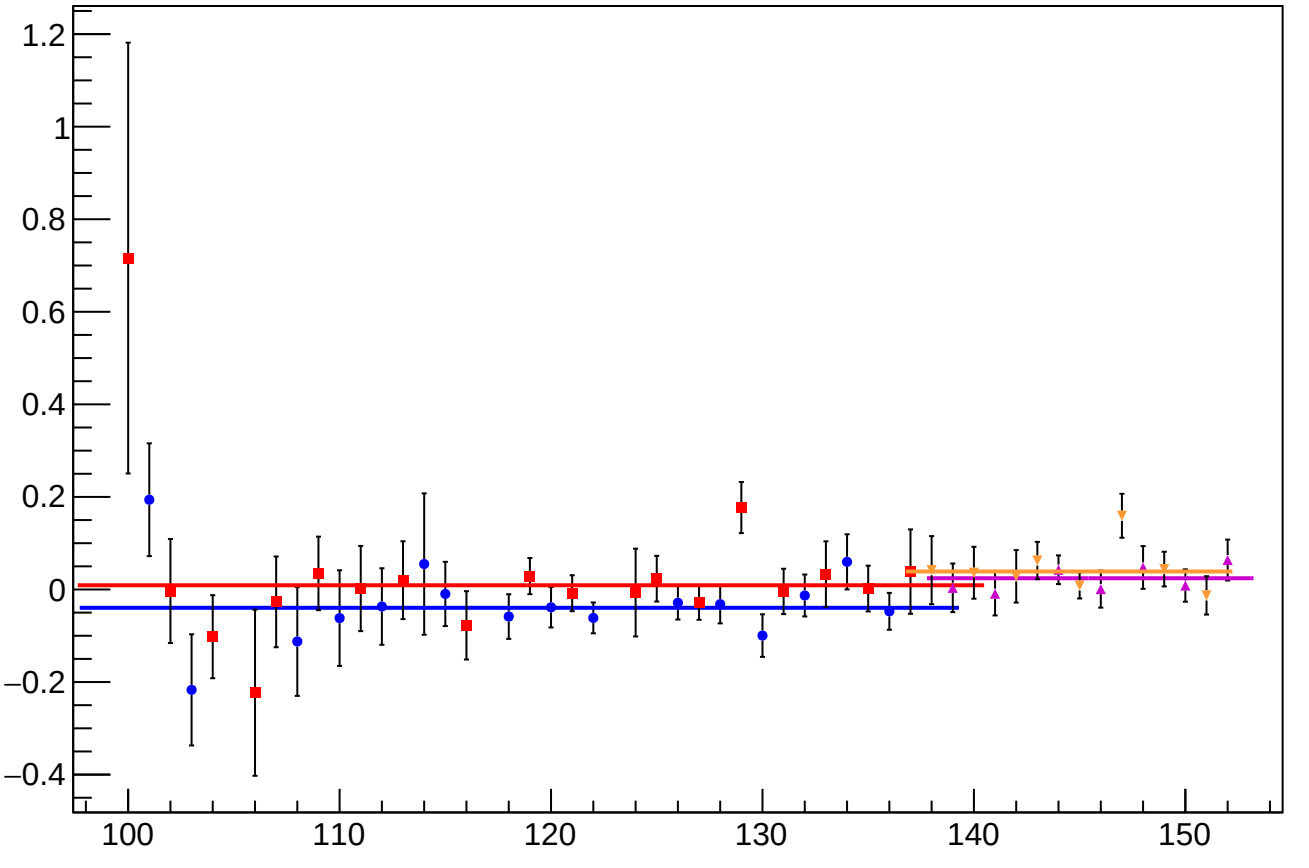
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.976+/-0.011 χ^2/NDF:371574.4/6

+ sign 33.351+/-0.007 χ^2/NDF: 3104489.3/23

All: 34.385+/-0.005 χ^2/NDF: 5369718.6/49

- sign 35.526+/-0.007 χ^2/NDF: 2219359.4/25



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.015 χ^2/NDF:9.5/7

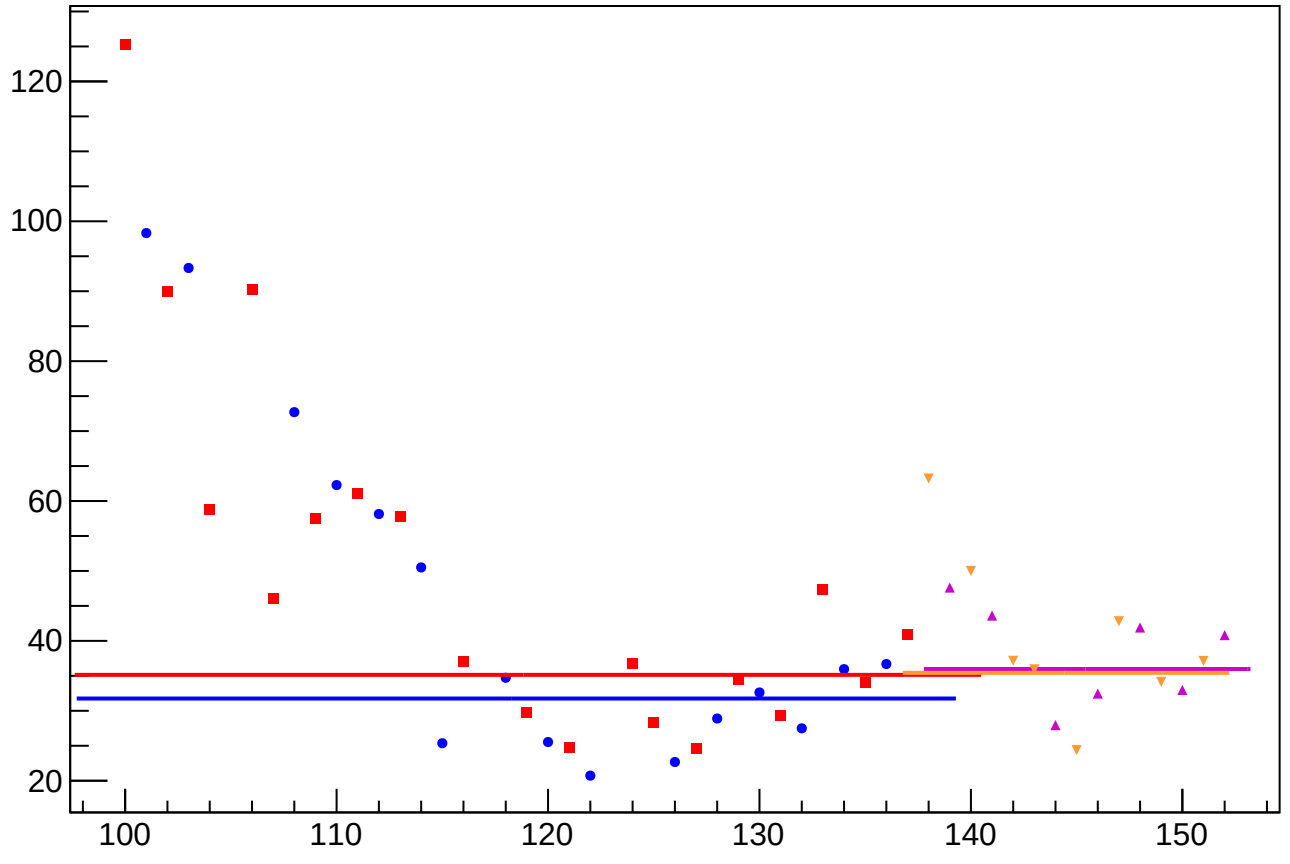
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.024+/-0.015 χ^2/NDF:2.6/6

+ sign -0.006+/-0.010 χ^2/NDF: 37.4/23

All: 0.005+/-0.007 χ^2/NDF: 61.1/49

- sign 0.016+/-0.010 χ^2/NDF: 21.4/25



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.430+/-0.011 χ^2/NDF:784428.2/7

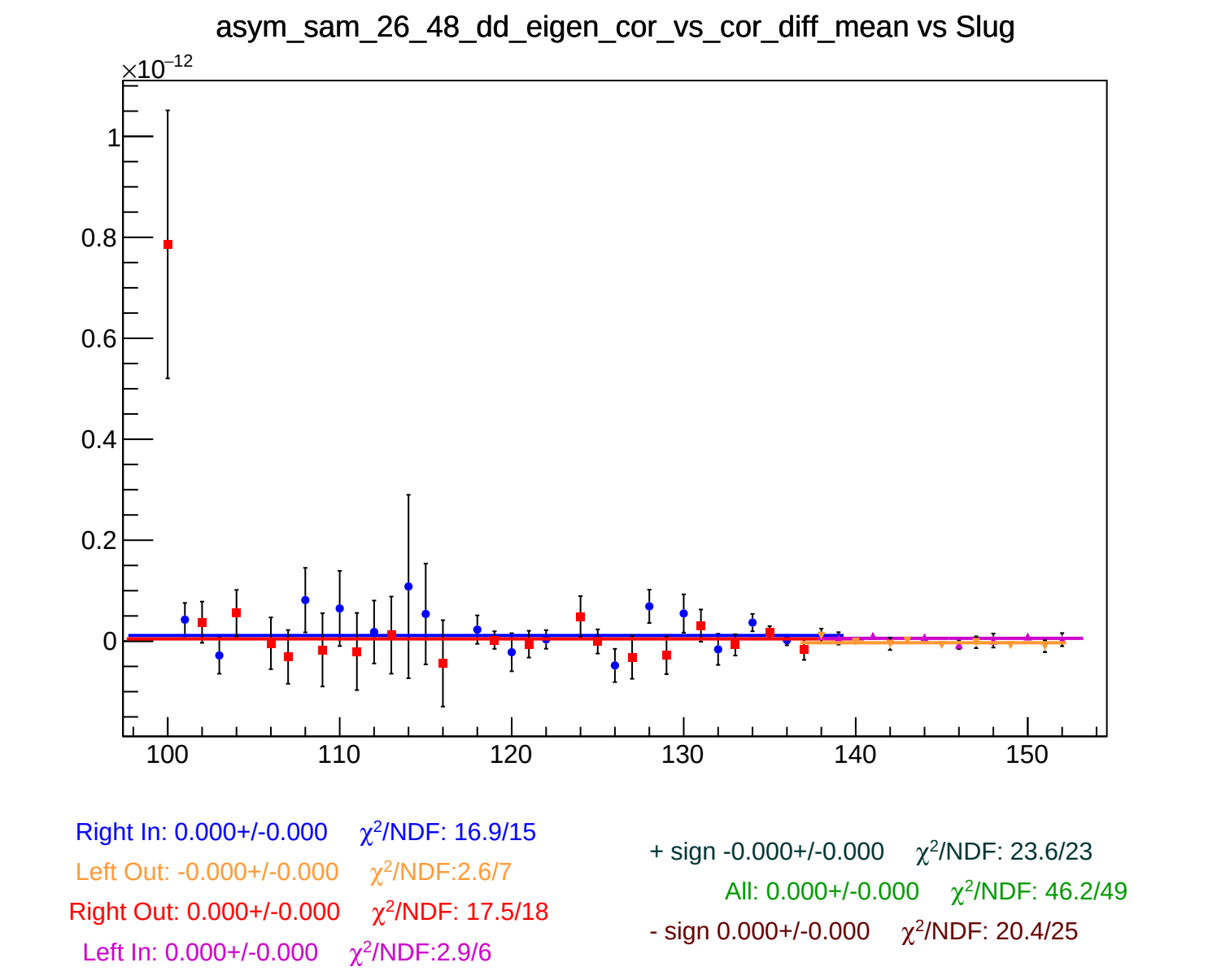
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

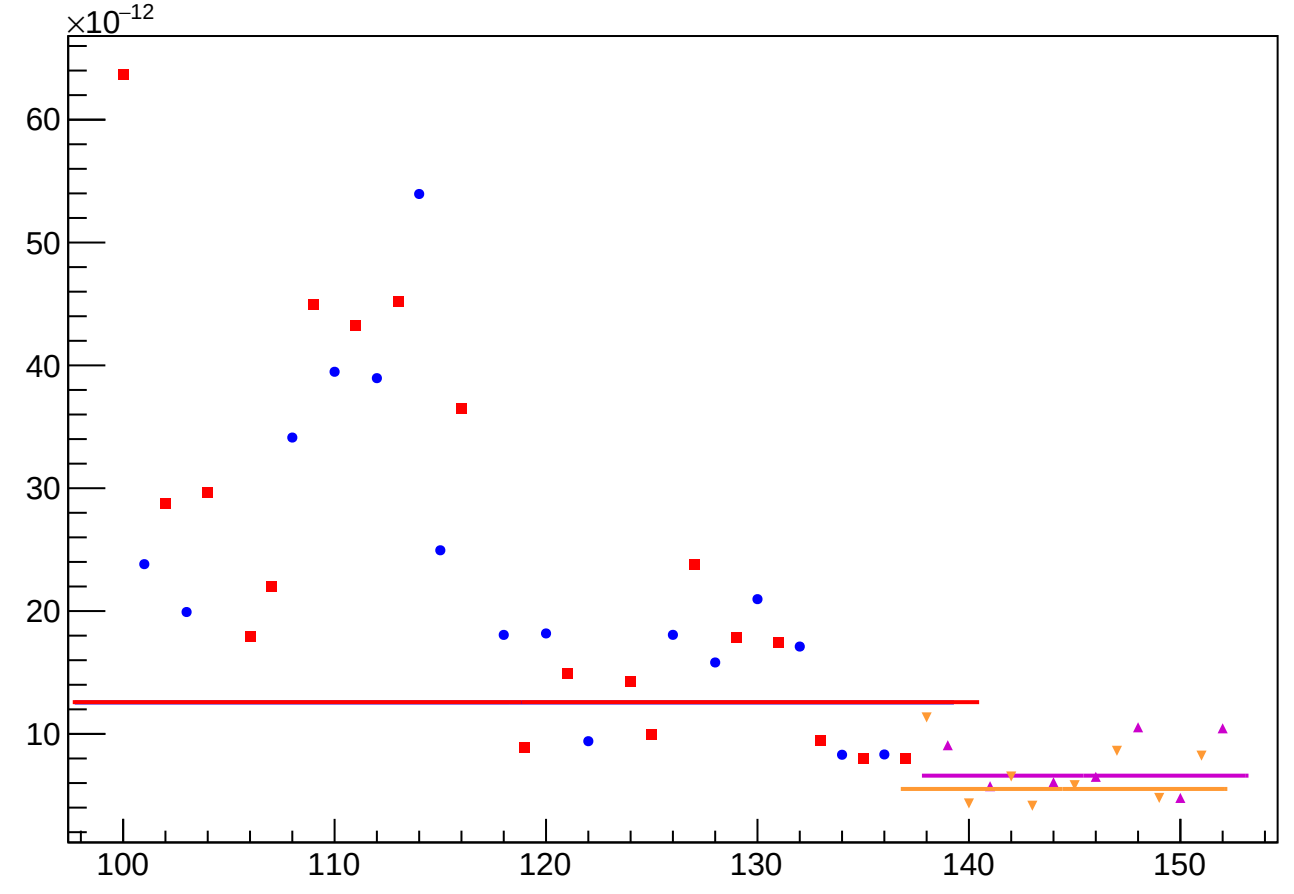
Left In: 35.976+/-0.011 χ^2/NDF:371574.4/6

+ sign 33.351+/-0.007 χ^2/NDF: 3104489.3/23

All: 34.385+/-0.005 χ^2/NDF: 5369718.6/49

- sign 35.526+/-0.007 χ^2/NDF: 2219359.4/25


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:2.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:2.9/6
+ sign -0.000+/-0.000 χ²/NDF: 23.6/23
All: 0.000+/-0.000 χ²/NDF: 46.2/49
- sign 0.000+/-0.000 χ²/NDF: 20.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:785111.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

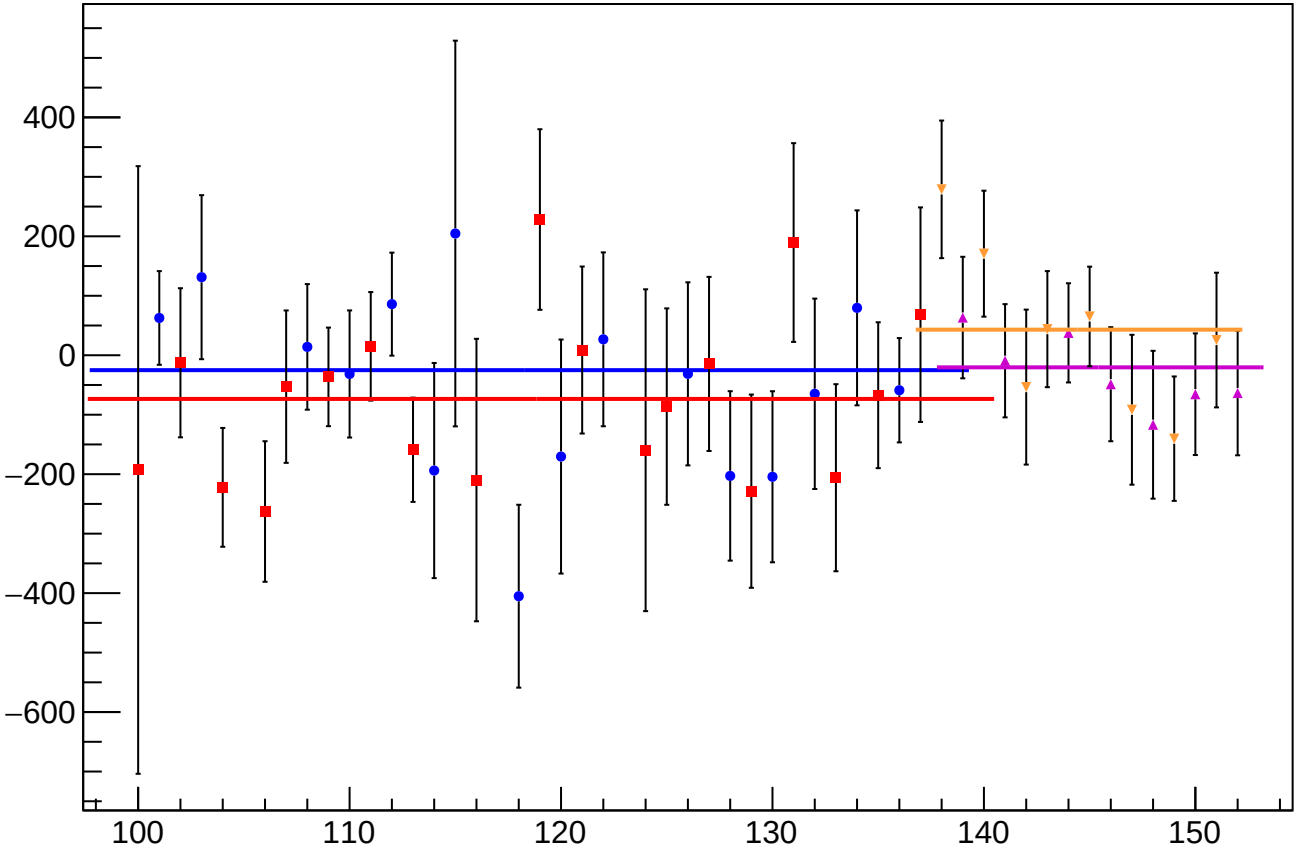
Left In: 0.000+/-0.000 χ^2/NDF:578312.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 4926917.9/23

All: 0.000+/-0.000 χ^2/NDF: 9687481.2/49

- sign 0.000+/-0.000 χ^2/NDF: 4604975.3/25

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.022+/-37.725 χ^2/NDF:10.5/7

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

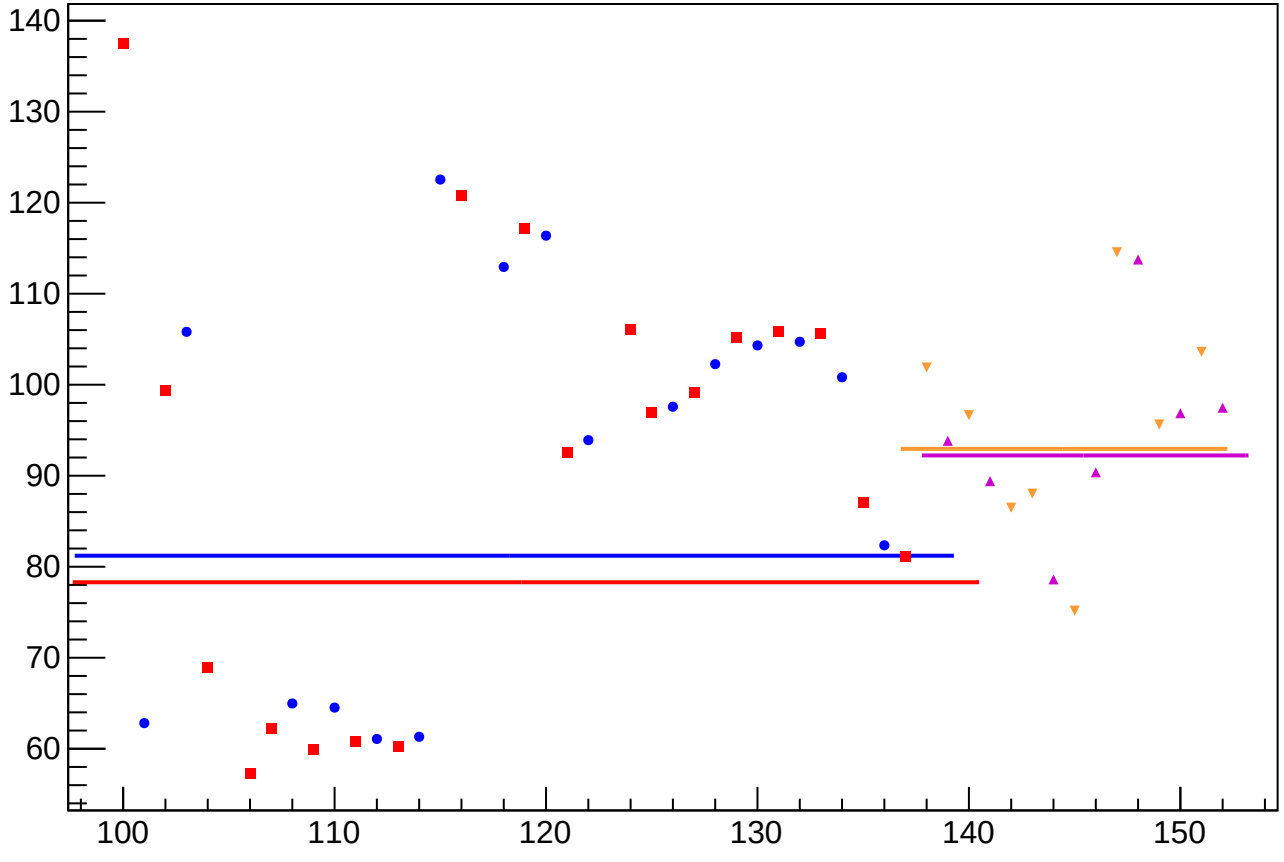
Left In: -20.343+/-37.530 χ^2/NDF:2.2/6

+ sign 2.617+/-24.056 χ^2/NDF: 28.6/23

All: -25.858+/-16.774 χ^2/NDF: 51.6/49

- sign -52.805+/-23.402 χ^2/NDF: 20.2/25

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 92.953+/-0.027 χ^2/NDF:192298.9/7

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

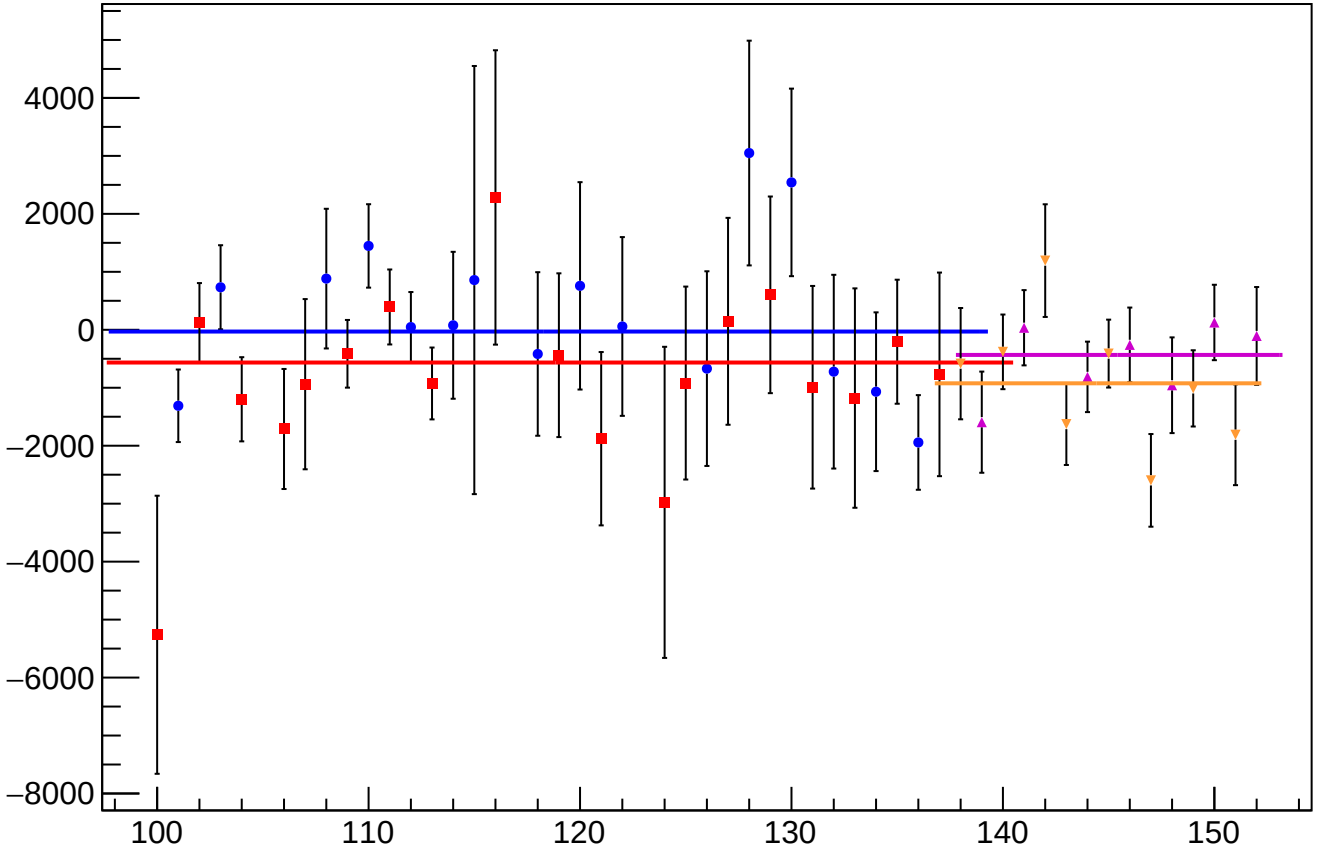
Left In: 92.229+/-0.027 χ^2/NDF:125446.5/6

+ sign 85.985+/-0.017 χ^2/NDF: 1094967.7/23

All: 84.818+/-0.012 χ^2/NDF: 2332656.3/49

- sign 83.715+/-0.017 χ^2/NDF: 1228538.3/25

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -923.383+/-260.988 χ^2/NDF:12.8/7

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

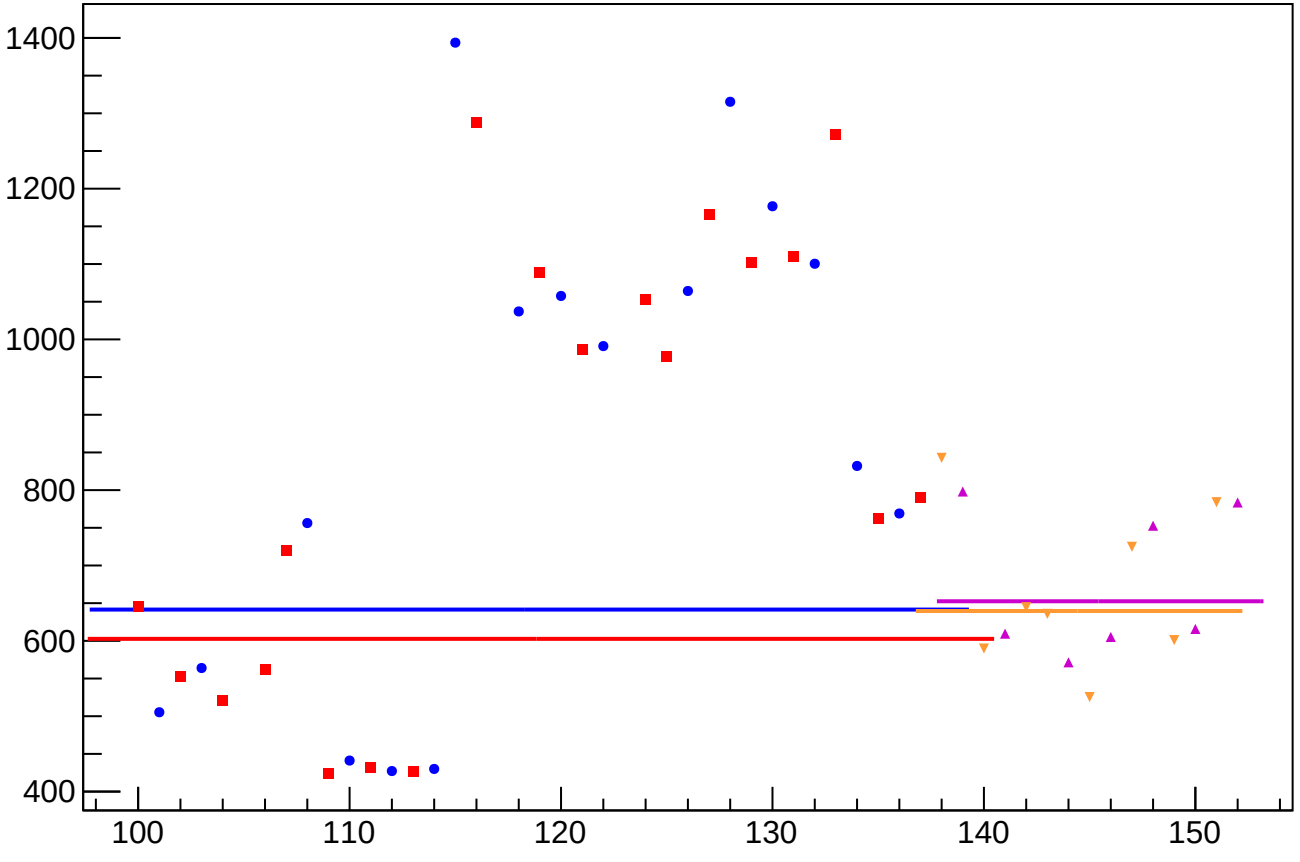
Left In: -433.751+/-266.858 χ^2/NDF:4.0/6

+ sign -470.018+/-183.120 χ^2/NDF: 40.6/23

All: -488.876+/-127.572 χ^2/NDF: 58.1/49

- sign -506.658+/-177.825 χ^2/NDF: 17.5/25

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 639.599+/-0.185 χ^2/NDF:262440.3/7

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

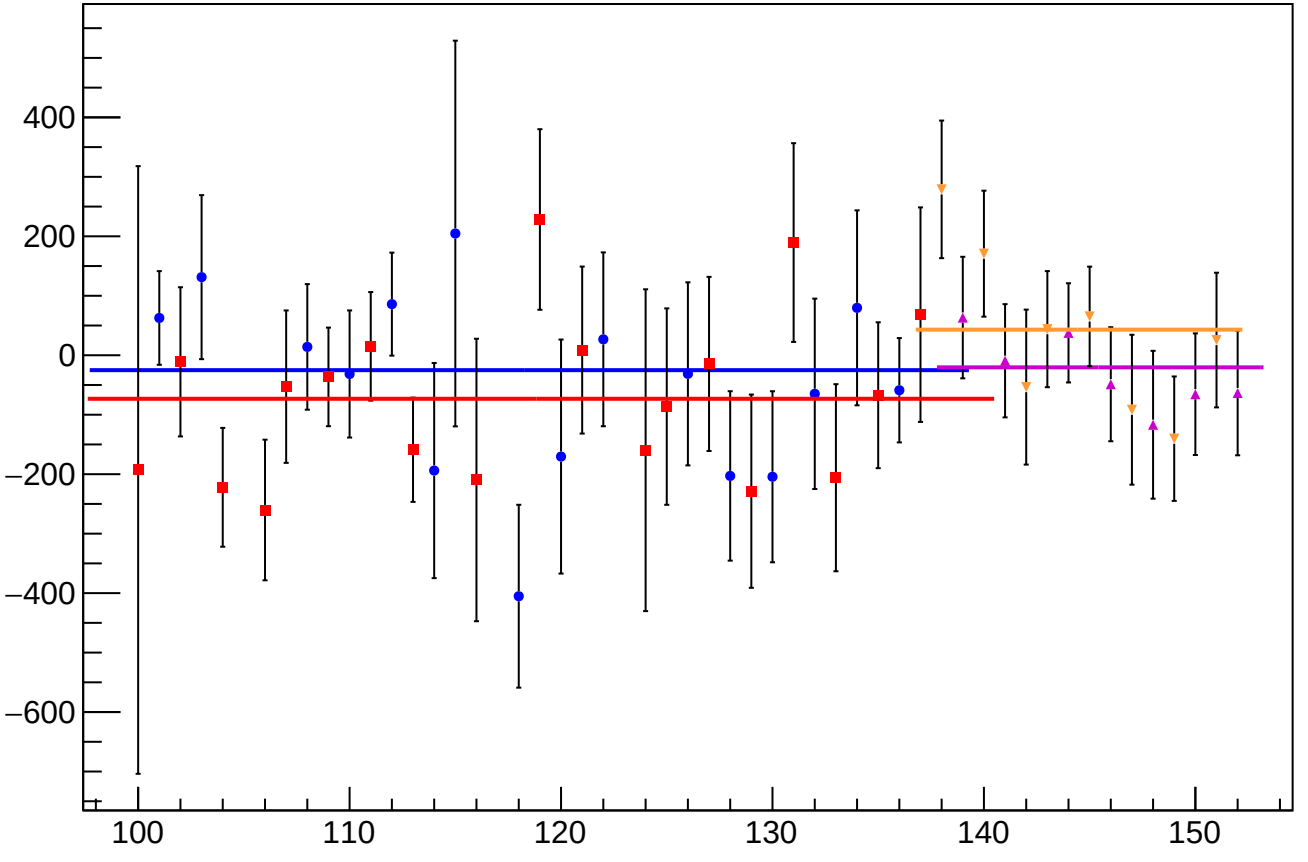
Left In: 652.523+/-0.189 χ^2/NDF:194926.3/6

+ sign 640.563+/-0.129 χ^2/NDF: 2137484.9/23

All: 632.449+/-0.090 χ^2/NDF: 4449179.2/49

- sign 624.798+/-0.126 χ^2/NDF: 2304064.6/25

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.030+/-37.725 χ^2/NDF:10.5/7

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

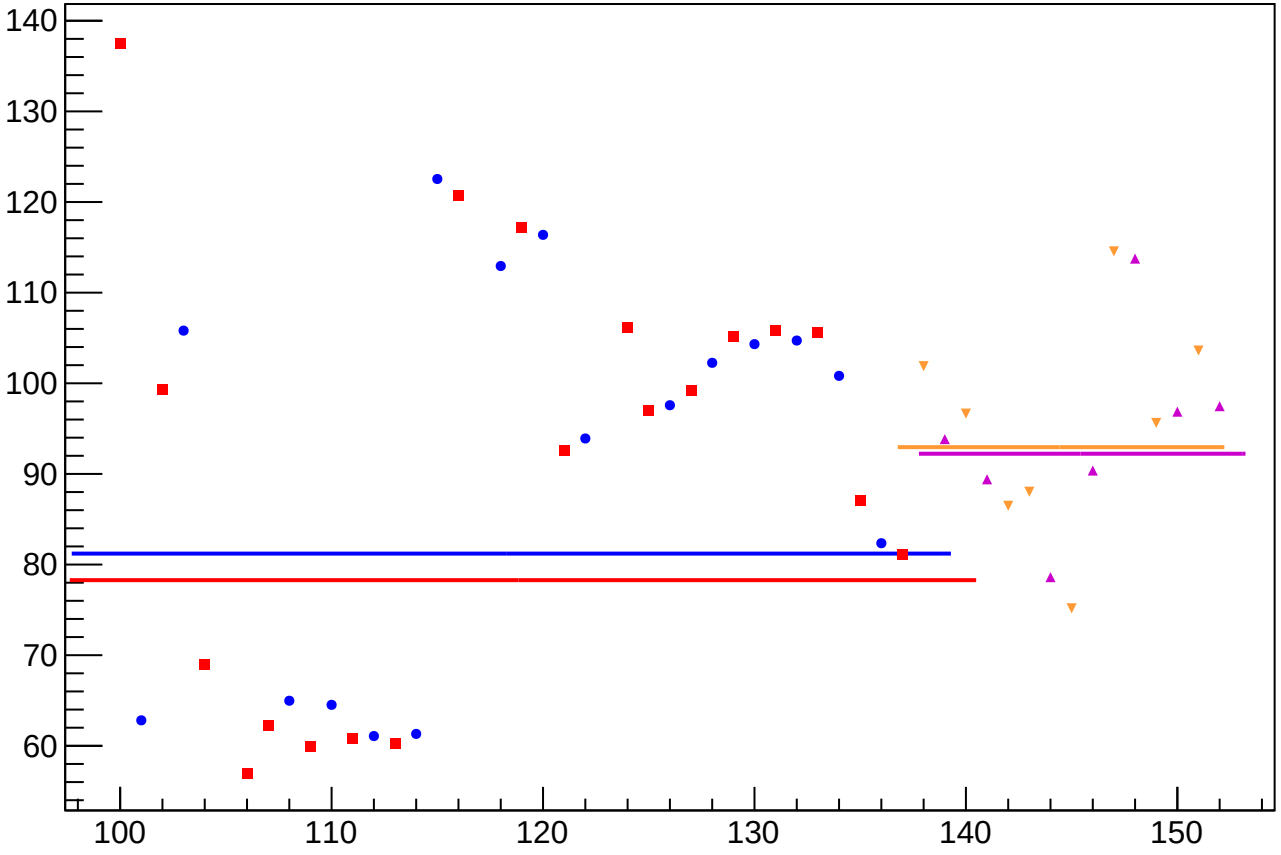
Left In: -20.345+/-37.530 χ^2/NDF:2.2/6

+ sign 2.618+/-24.056 χ^2/NDF: 28.6/23

All: -25.773+/-16.775 χ^2/NDF: 51.5/49

- sign -52.642+/-23.403 χ^2/NDF: 20.2/25

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 92.953+/-0.027 χ^2/NDF:192298.9/7

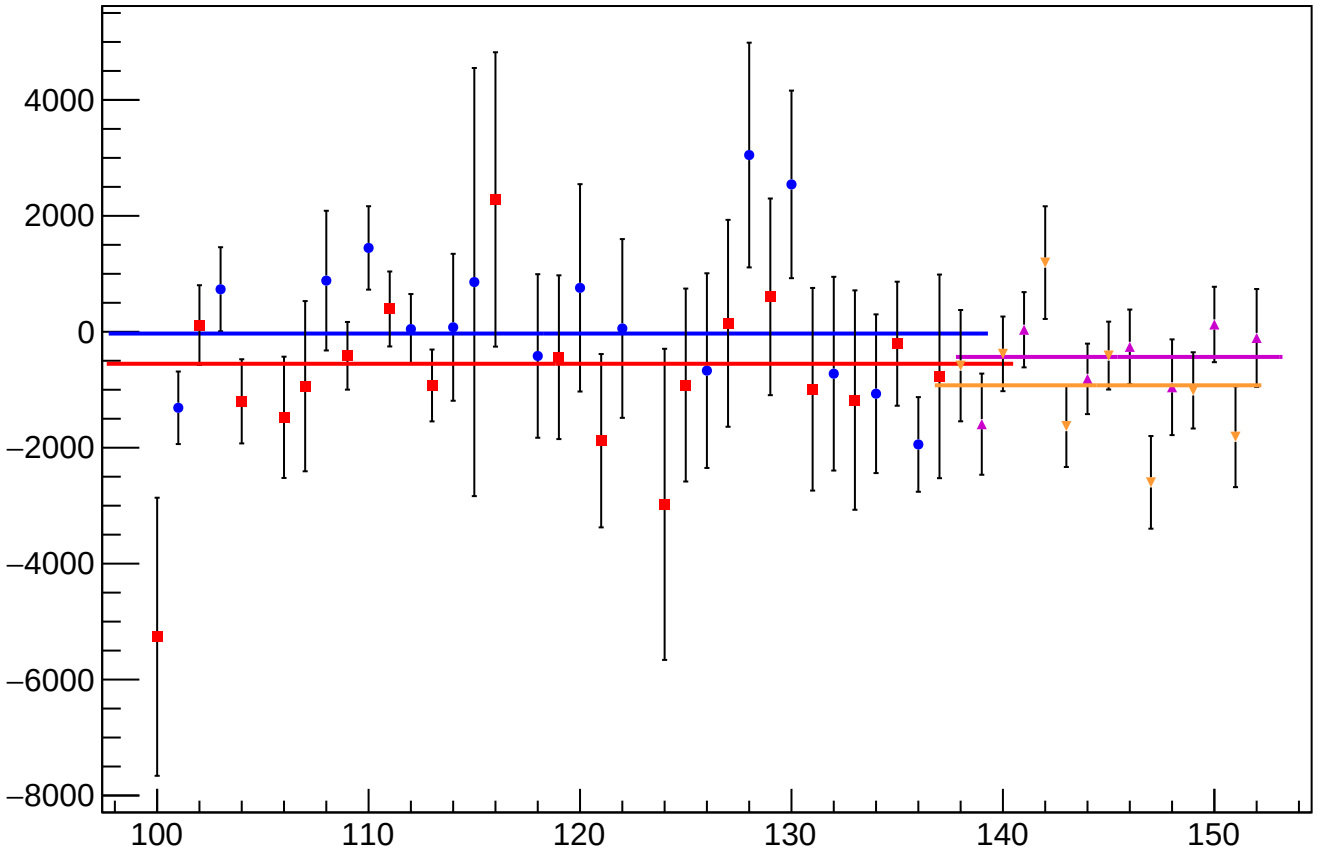
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 92.229+/-0.027 χ^2/NDF:125446.5/6

+ sign 85.985+/-0.017 χ^2/NDF: 1094969.7/23

All: 84.813+/-0.012 χ^2/NDF: 2335328.3/49

- sign 83.704+/-0.017 χ^2/NDF: 1231119.7/25



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -923.376+/-260.988 χ^2/NDF:12.8/7

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

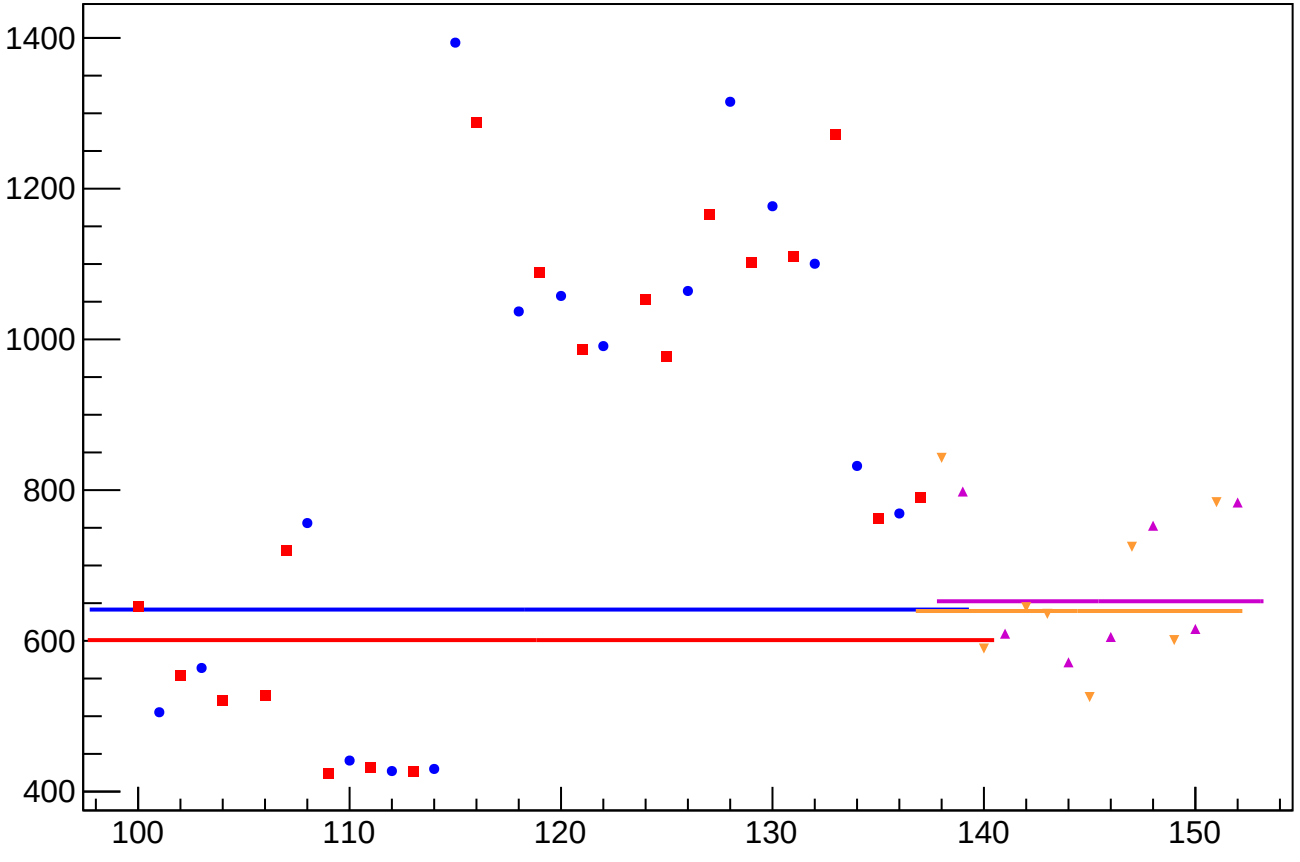
Left In: -433.758+/-266.858 χ^2/NDF:4.0/6

+ sign -470.033+/-183.121 χ^2/NDF: 40.6/23

All: -485.158+/-127.595 χ^2/NDF: 57.6/49

- sign -499.430+/-177.887 χ^2/NDF: 17.0/25

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 639.599+/-0.185 χ^2/NDF:262442.4/7

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

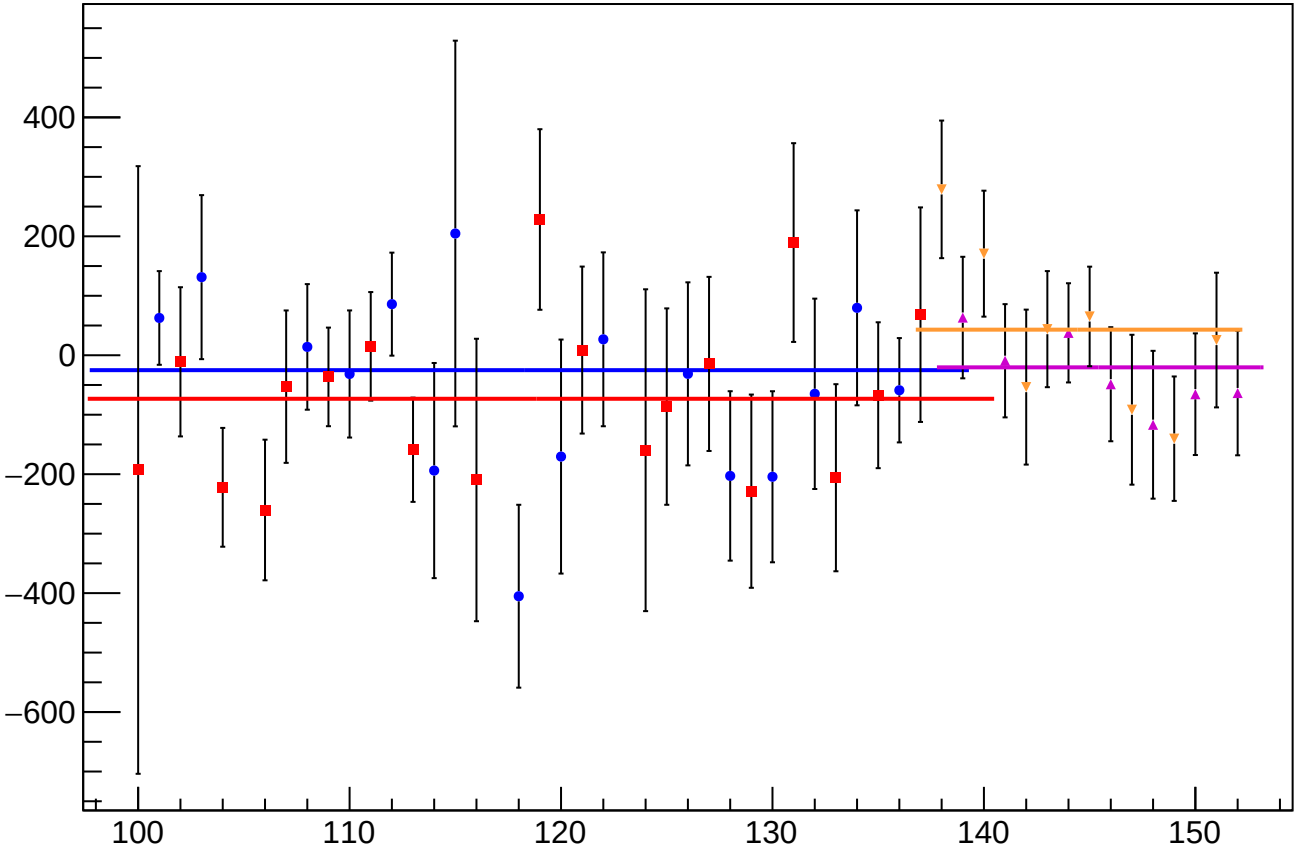
Left In: 652.523+/-0.189 χ^2/NDF:194925.1/6

+ sign 640.568+/-0.129 χ^2/NDF: 2137446.7/23

All: 631.982+/-0.090 χ^2/NDF: 4459614.8/49

- sign 623.881+/-0.126 χ^2/NDF: 2313623.1/25

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.030+/-37.725 χ^2/NDF:10.5/7

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

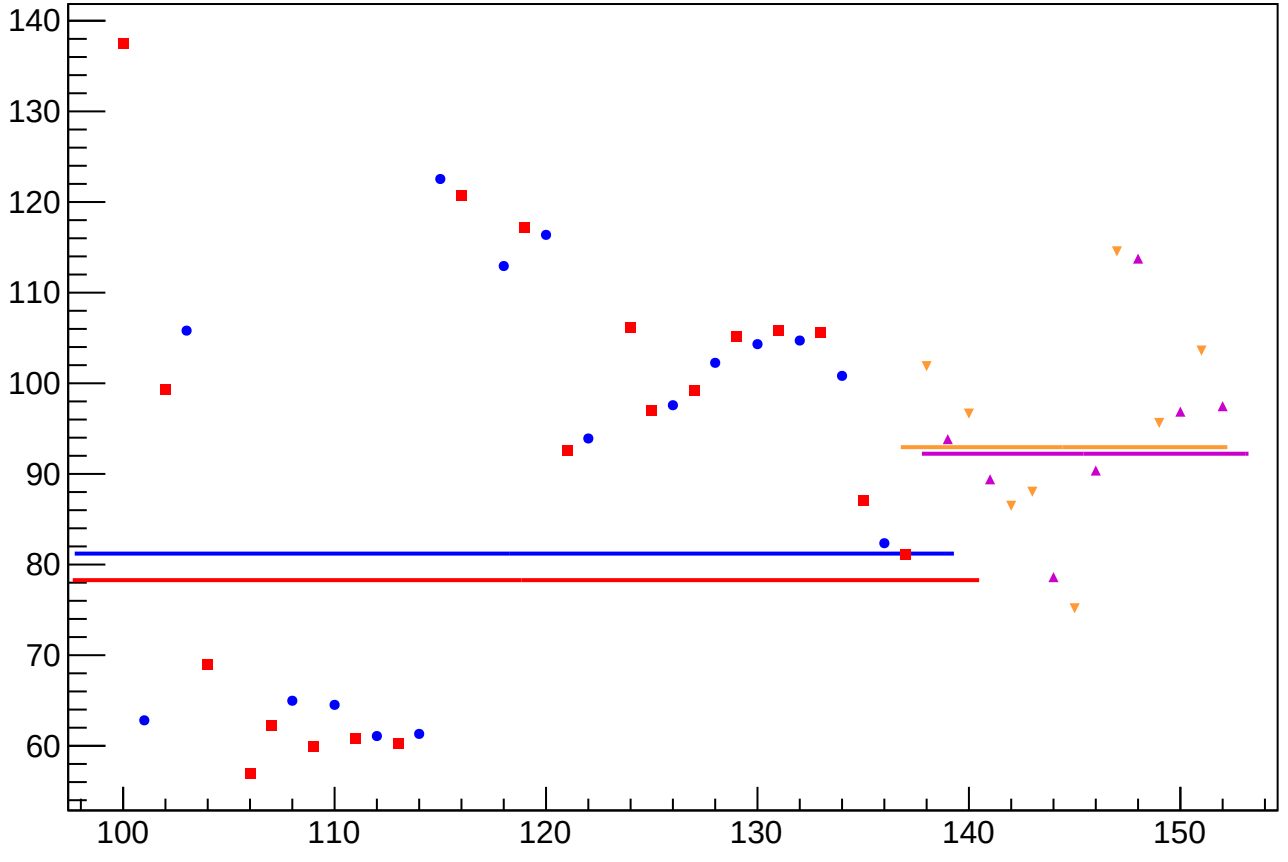
Left In: -20.345+/-37.530 χ^2/NDF:2.2/6

+ sign 2.618+/-24.056 χ^2/NDF: 28.6/23

All: -25.773+/-16.775 χ^2/NDF: 51.5/49

- sign -52.642+/-23.403 χ^2/NDF: 20.2/25

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 92.953+/-0.027 χ^2/NDF:192298.9/7

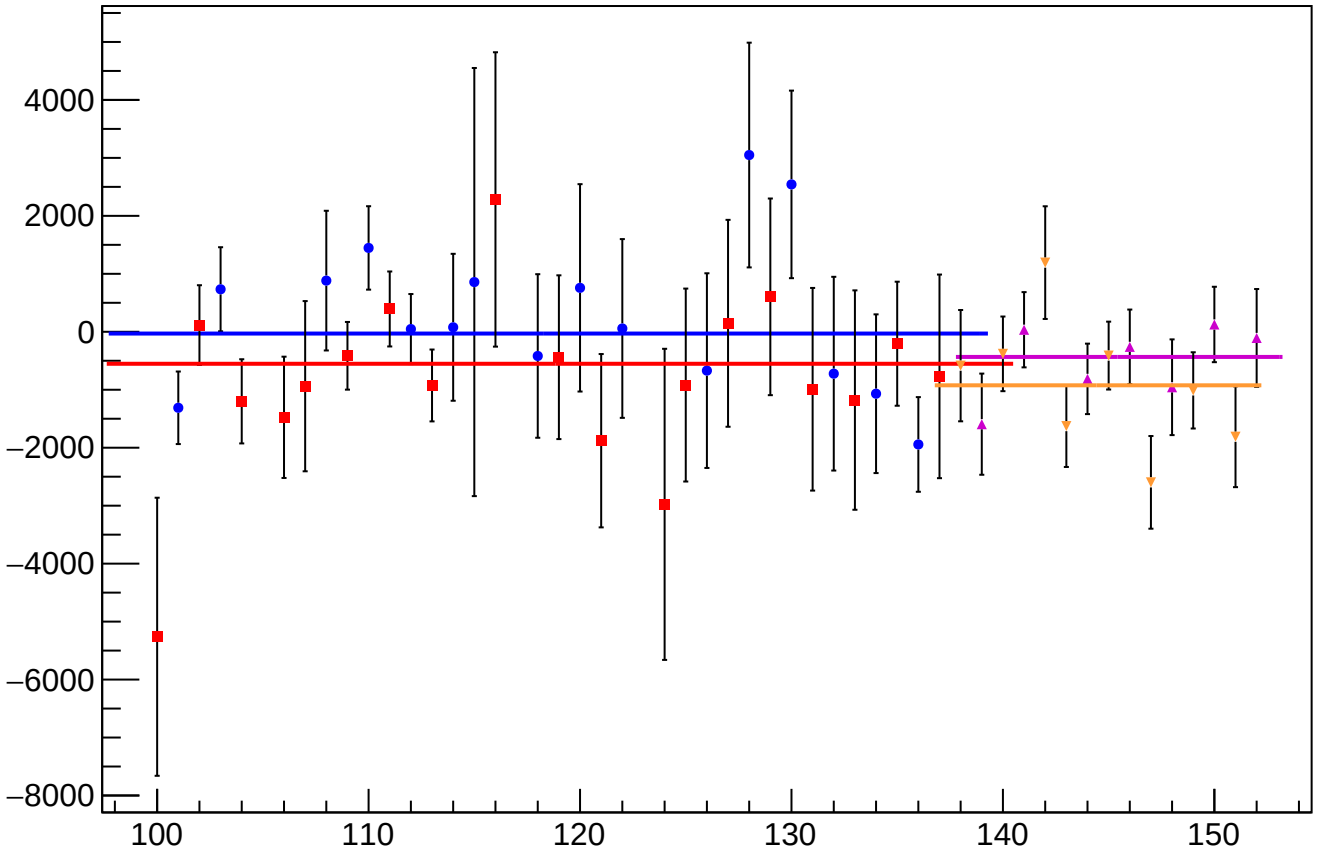
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 92.229+/-0.027 χ^2/NDF:125446.5/6

+ sign 85.985+/-0.017 χ^2/NDF: 1094969.7/23

All: 84.813+/-0.012 χ^2/NDF: 2335328.3/49

- sign 83.704+/-0.017 χ^2/NDF: 1231119.7/25



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -923.376+/-260.988 χ^2/NDF:12.8/7

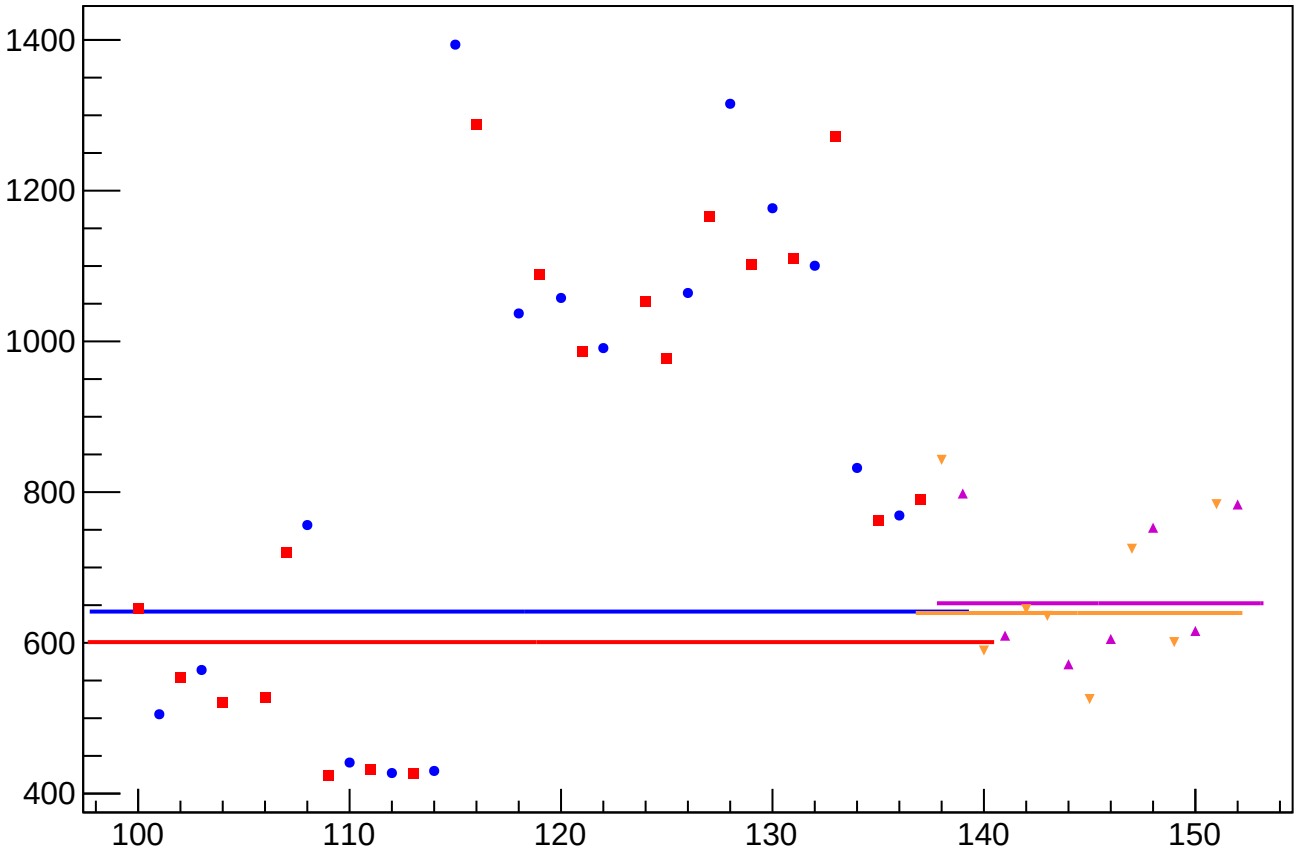
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -433.758+/-266.858 χ^2/NDF:4.0/6

+ sign -470.033+/-183.121 χ^2/NDF: 40.6/23

All: -485.158+/-127.595 χ^2/NDF: 57.6/49

- sign -499.430+/-177.887 χ^2/NDF: 17.0/25



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 639.599+/-0.185 χ^2/NDF:262442.4/7

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

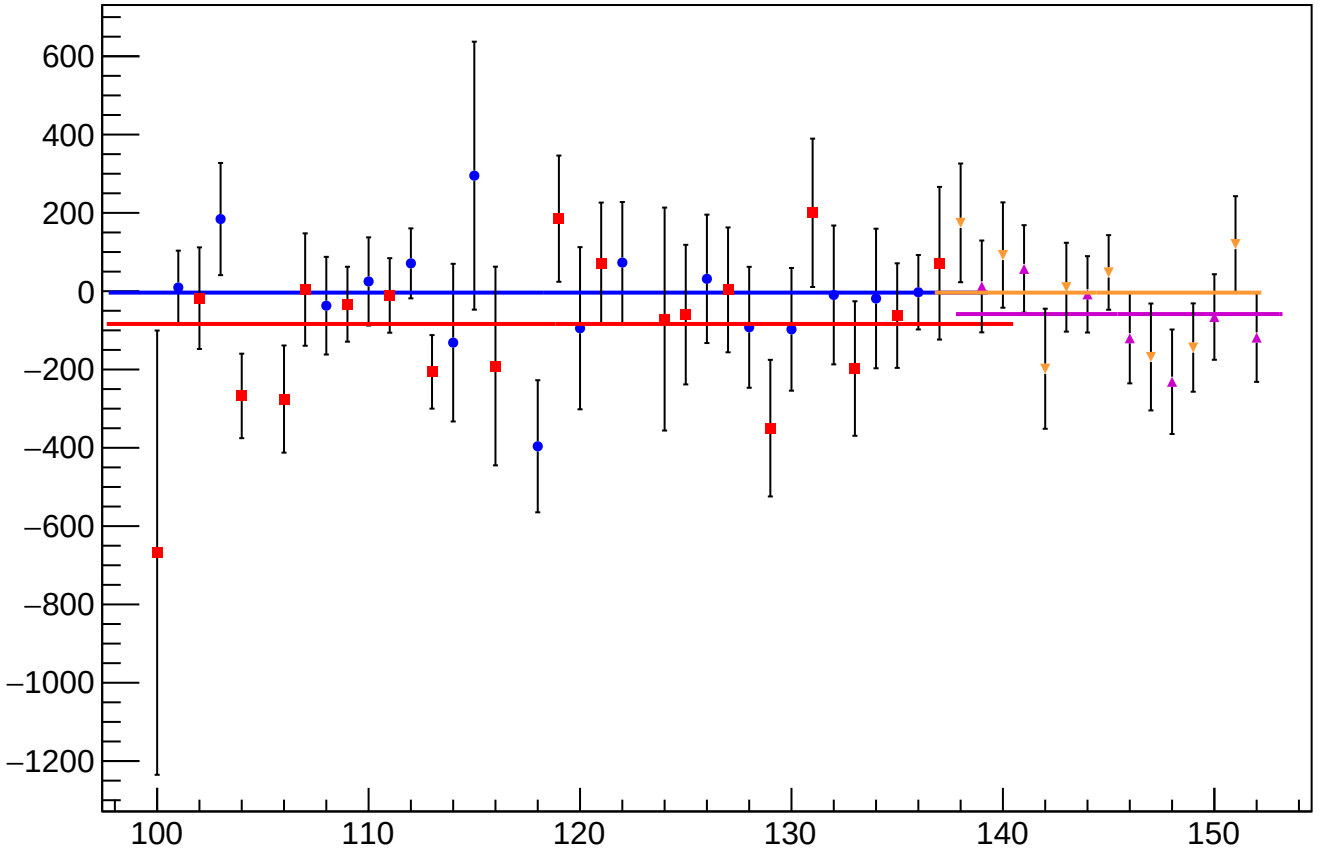
Left In: 652.523+/-0.189 χ^2/NDF:194925.1/6

+ sign 640.568+/-0.129 χ^2/NDF: 2137446.7/23

All: 631.982+/-0.090 χ^2/NDF: 4459614.8/49

- sign 623.881+/-0.126 χ^2/NDF: 2313623.1/25

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -3.670+/-43.507 χ^2/NDF:7.8/7

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

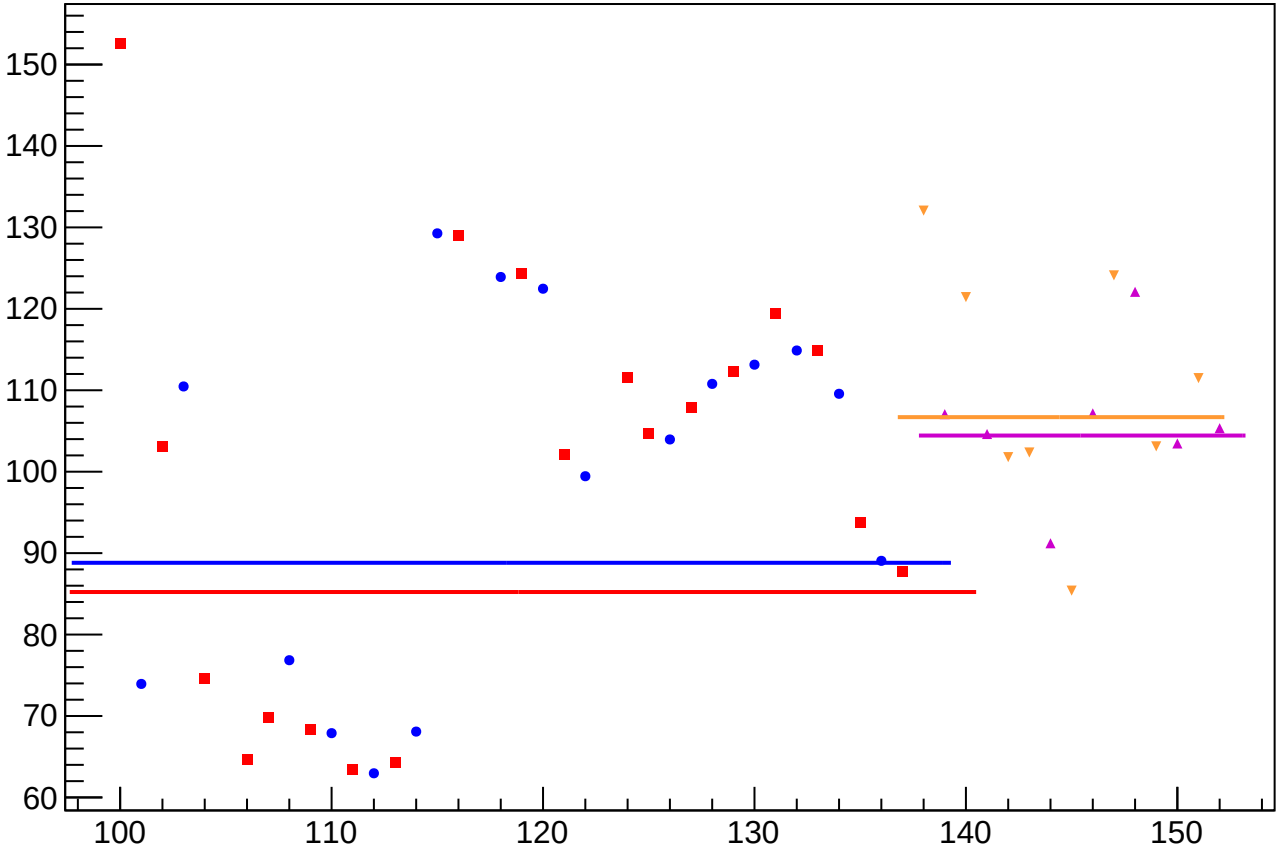
Left In: -58.385+/-42.589 χ^2/NDF:3.9/6

+ sign -3.648+/-26.864 χ^2/NDF: 18.2/23

All: -40.271+/-18.647 χ^2/NDF: 45.0/49

- sign -74.321+/-25.903 χ^2/NDF: 23.2/25

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 106.699+/-0.031 χ^2/NDF:222608.9/7

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

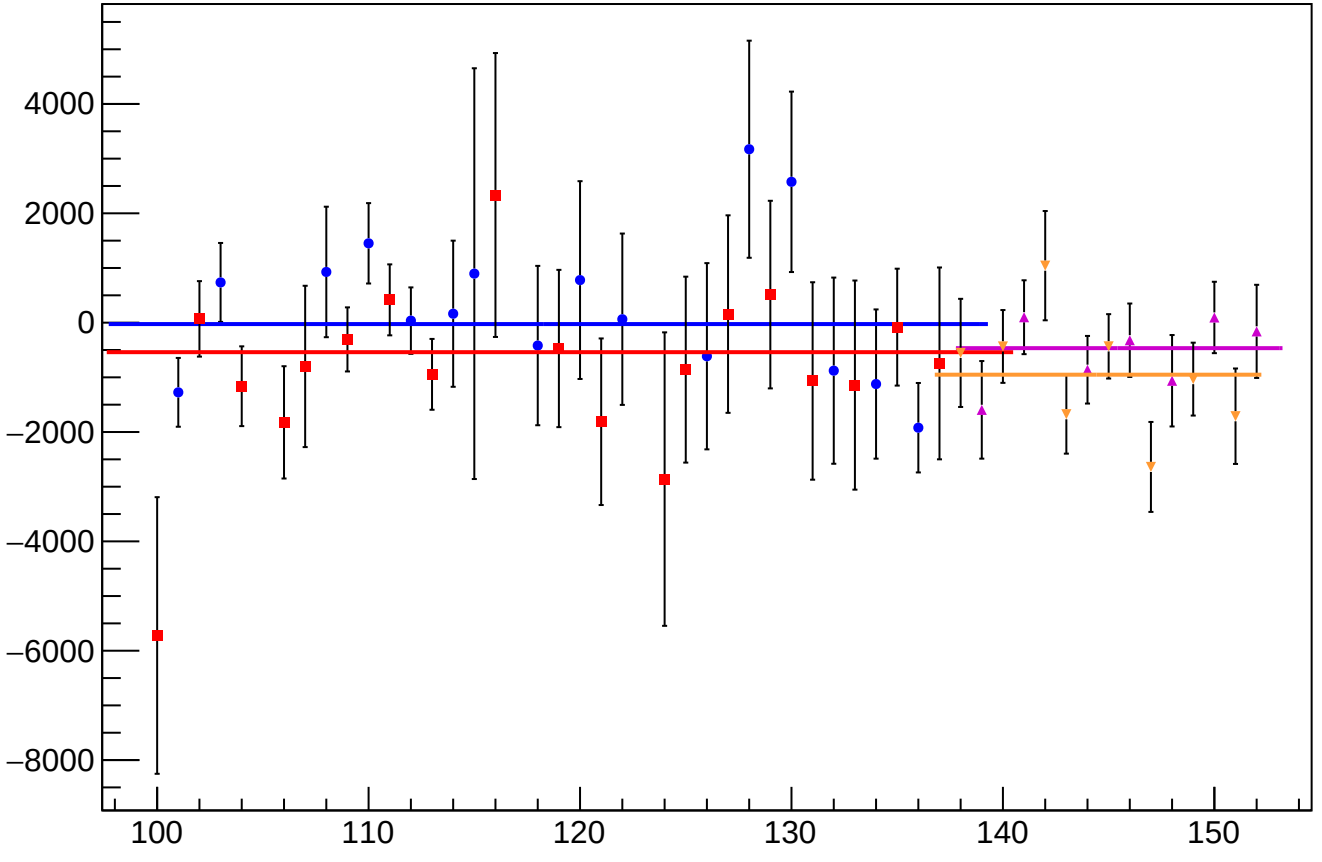
Left In: 104.439+/-0.030 χ^2/NDF:74243.2/6

+ sign 95.632+/-0.019 χ^2/NDF: 1156344.3/23

All: 93.922+/-0.013 χ^2/NDF: 2386804.1/49

- sign 92.332+/-0.018 χ^2/NDF: 1214821.4/25

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -951.516+/-266.026 χ^2/NDF:11.5/7

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

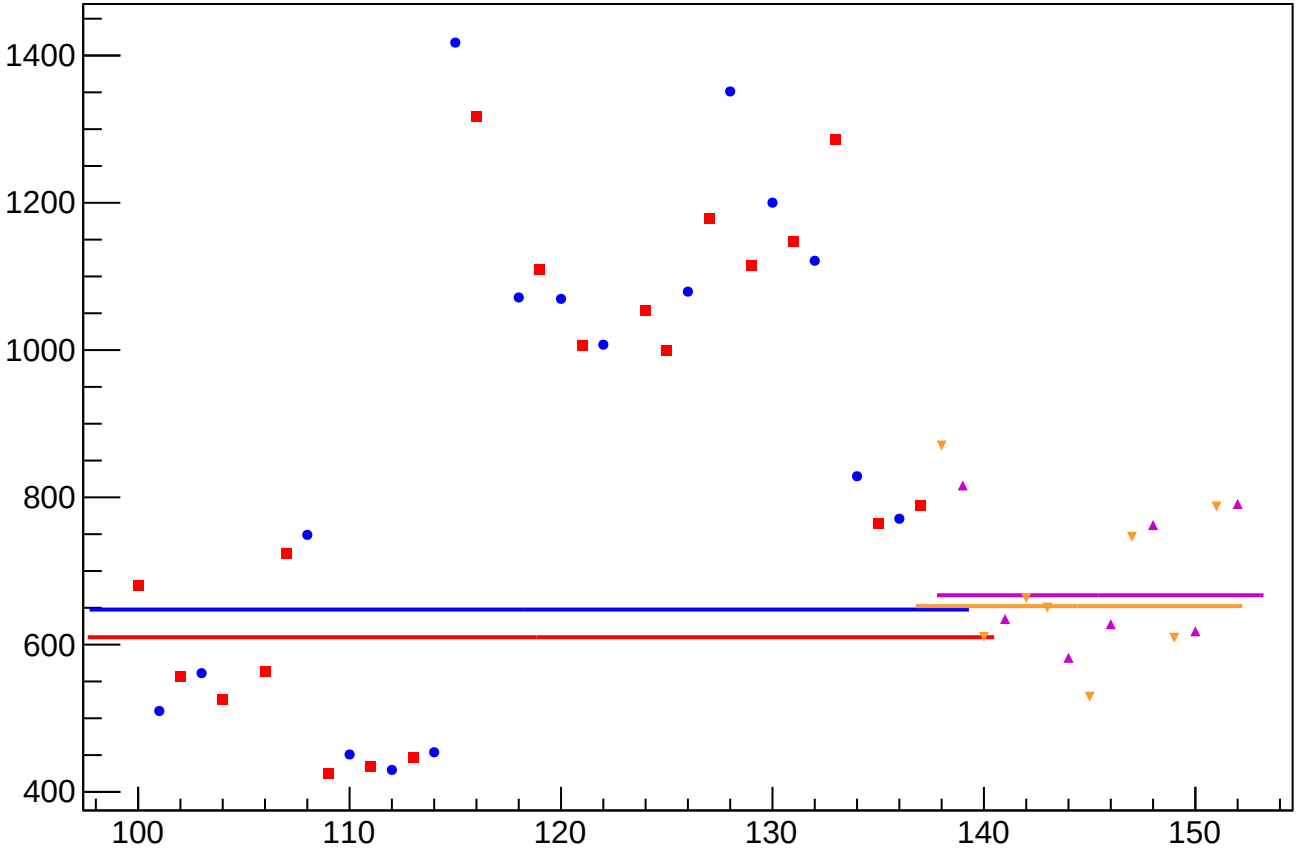
Left In: -466.210+/-272.826 χ^2/NDF:4.1/6

+ sign -476.973+/-185.722 χ^2/NDF: 39.3/23

All: -492.611+/-129.521 χ^2/NDF: 57.1/49

- sign -507.417+/-180.722 χ^2/NDF: 17.8/25

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 652.298+/-0.188 χ^2/NDF:275283.6/7

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

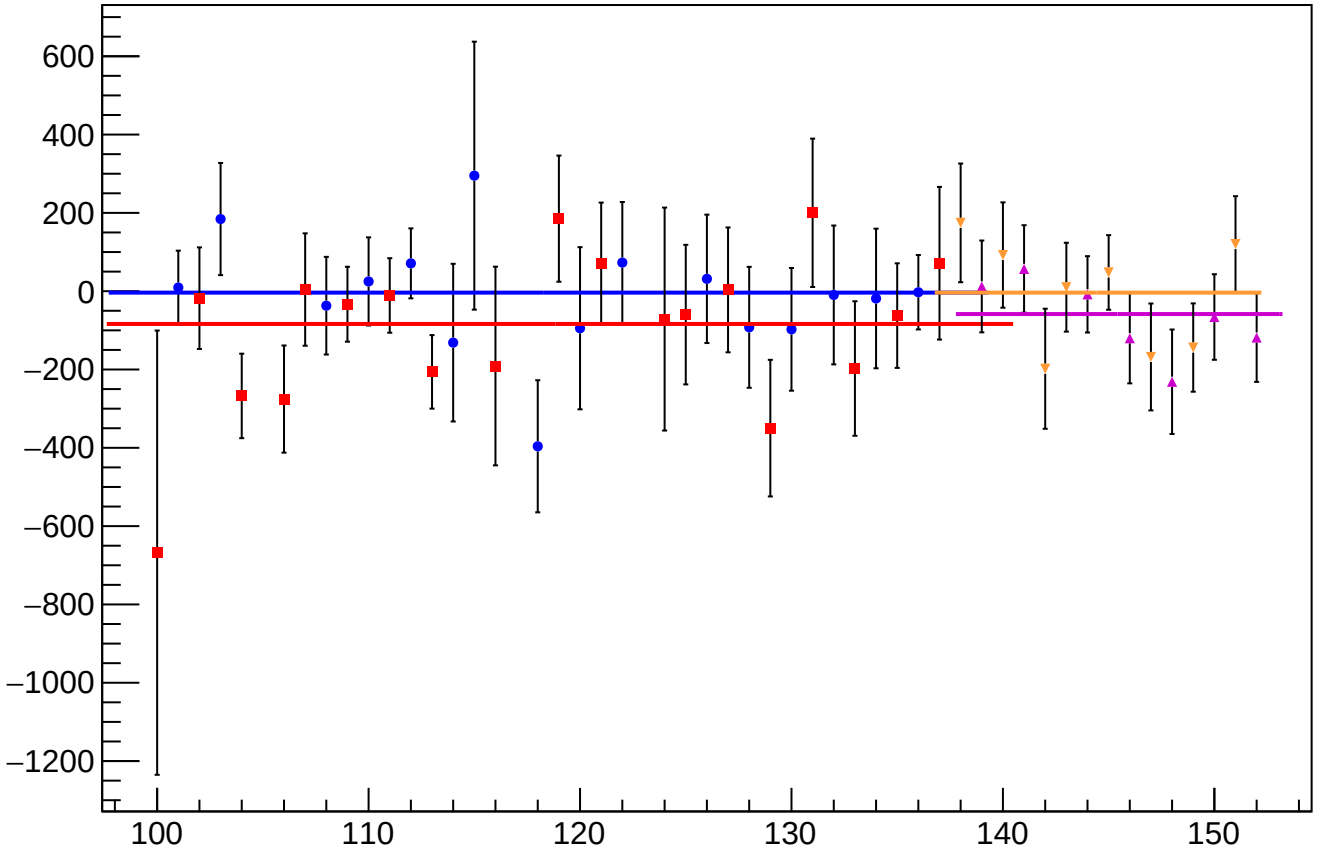
Left In: 667.078+/-0.193 χ^2/NDF:184564.7/6

+ sign 649.911+/-0.131 χ^2/NDF: 2163413.8/23

All: 642.292+/-0.092 χ^2/NDF: 4477802.0/49

- sign 635.079+/-0.128 χ^2/NDF: 2307836.8/25

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -3.670+/-43.507 χ^2/NDF:7.8/7

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

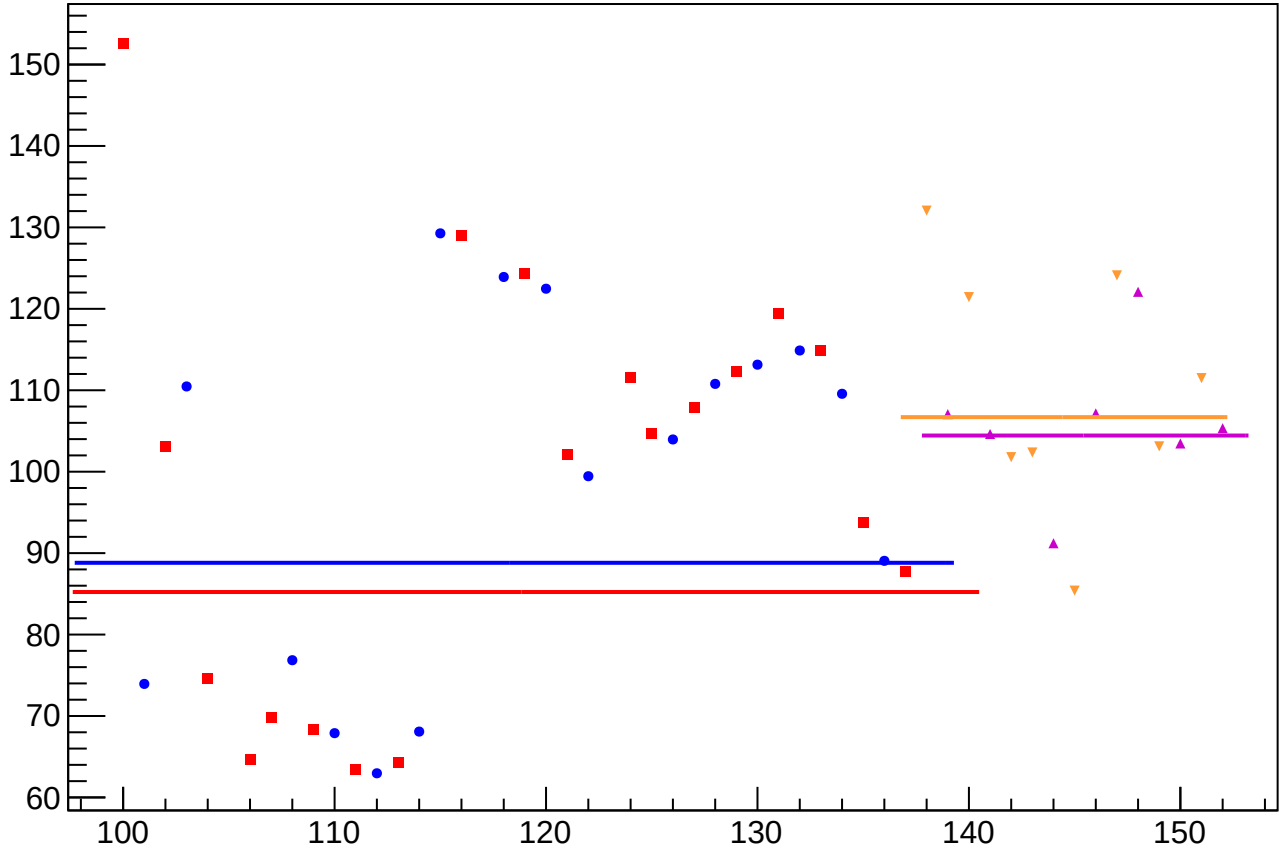
Left In: -58.386+/-42.589 χ^2/NDF:3.9/6

+ sign -3.647+/-26.864 χ^2/NDF: 18.2/23

All: -40.271+/-18.647 χ^2/NDF: 45.0/49

- sign -74.321+/-25.903 χ^2/NDF: 23.2/25

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 106.699+/-0.031 χ^2/NDF:222607.3/7

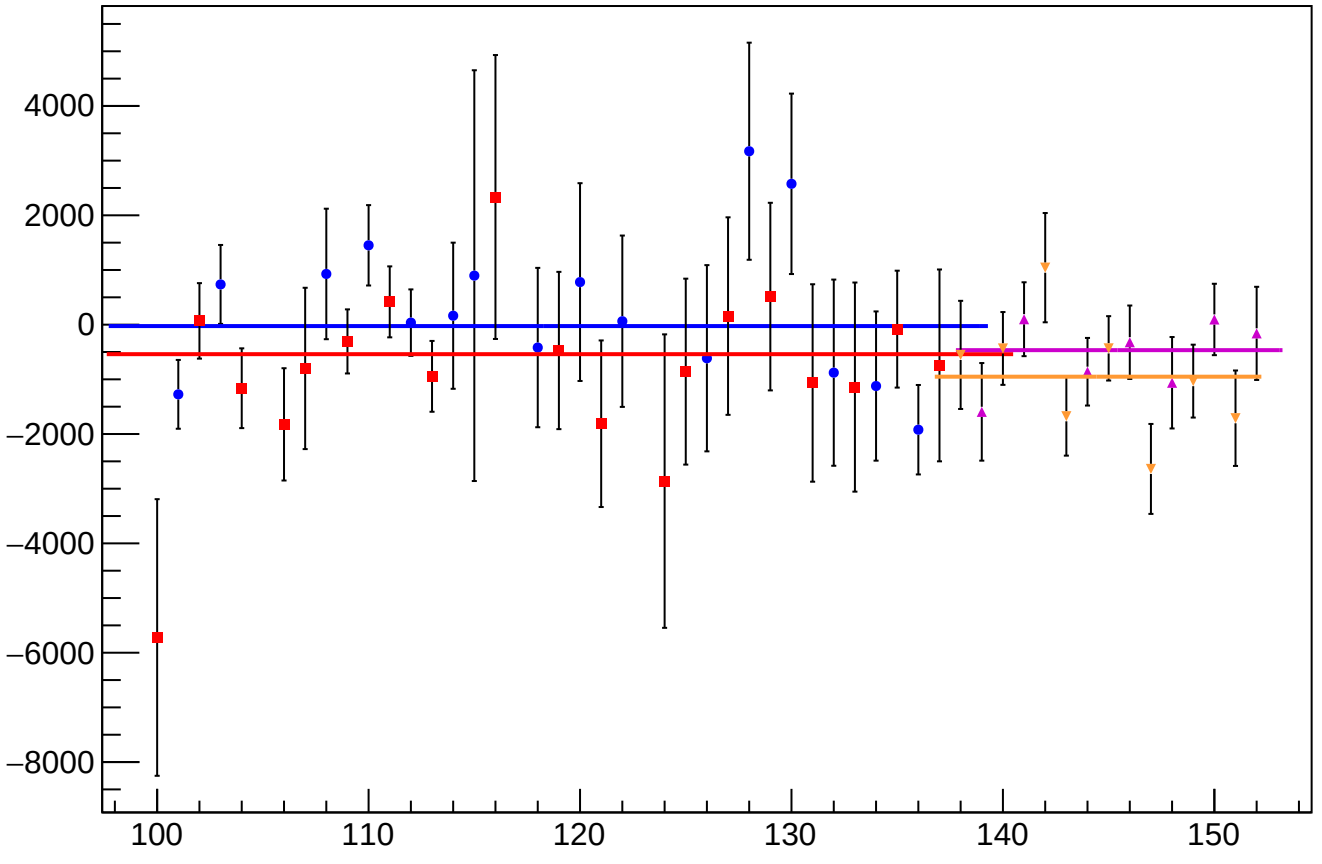
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 104.440+/-0.030 χ^2/NDF:74243.0/6

+ sign 95.632+/-0.019 χ^2/NDF: 1156348.2/23

All: 93.922+/-0.013 χ^2/NDF: 2386817.3/49

- sign 92.333+/-0.018 χ^2/NDF: 1214830.6/25



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -951.515+/-266.026 χ^2/NDF:11.5/7

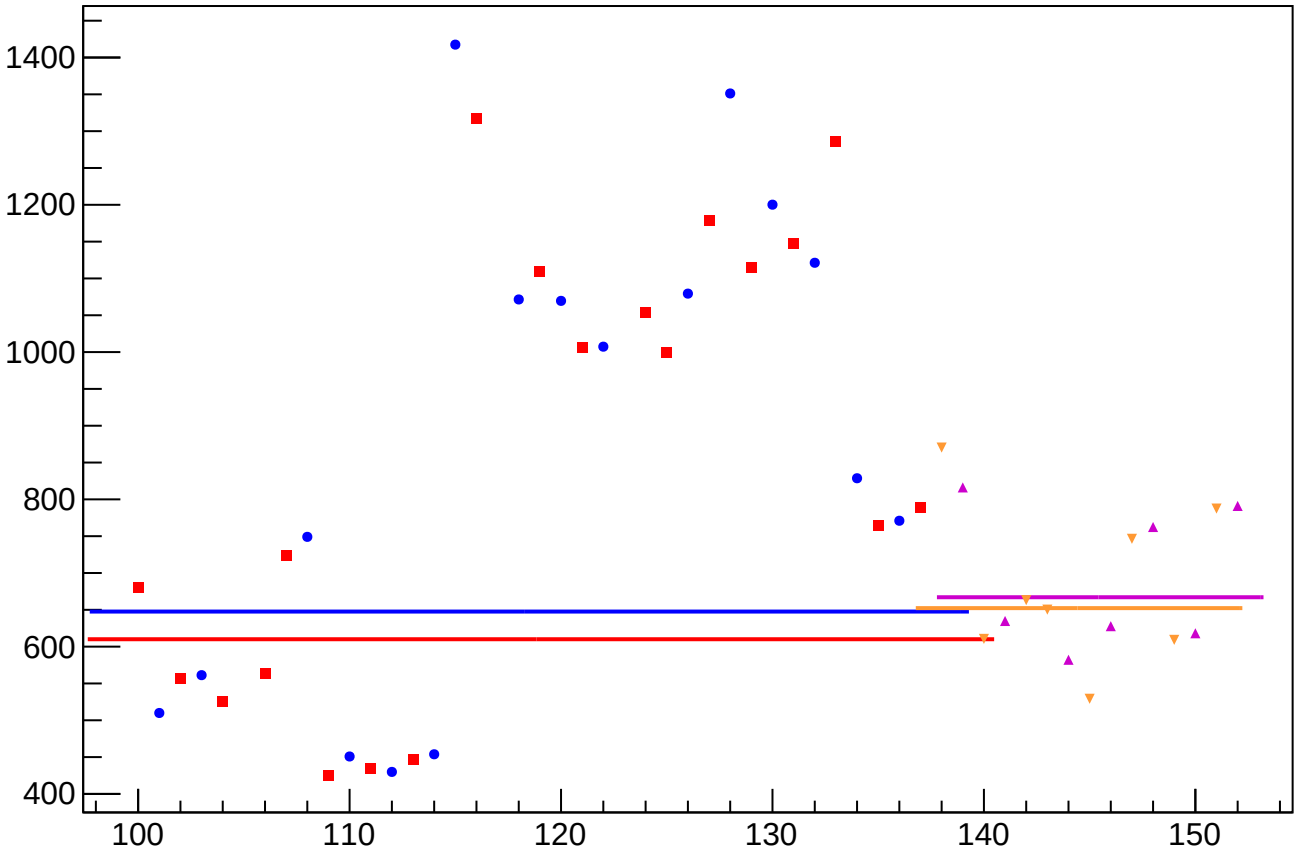
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -466.210+/-272.826 χ^2/NDF:4.1/6

+ sign -476.972+/-185.722 χ^2/NDF: 39.3/23

All: -492.610+/-129.521 χ^2/NDF: 57.1/49

- sign -507.417+/-180.722 χ^2/NDF: 17.8/25



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 652.298+/-0.188 χ^2/NDF:275285.3/7

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

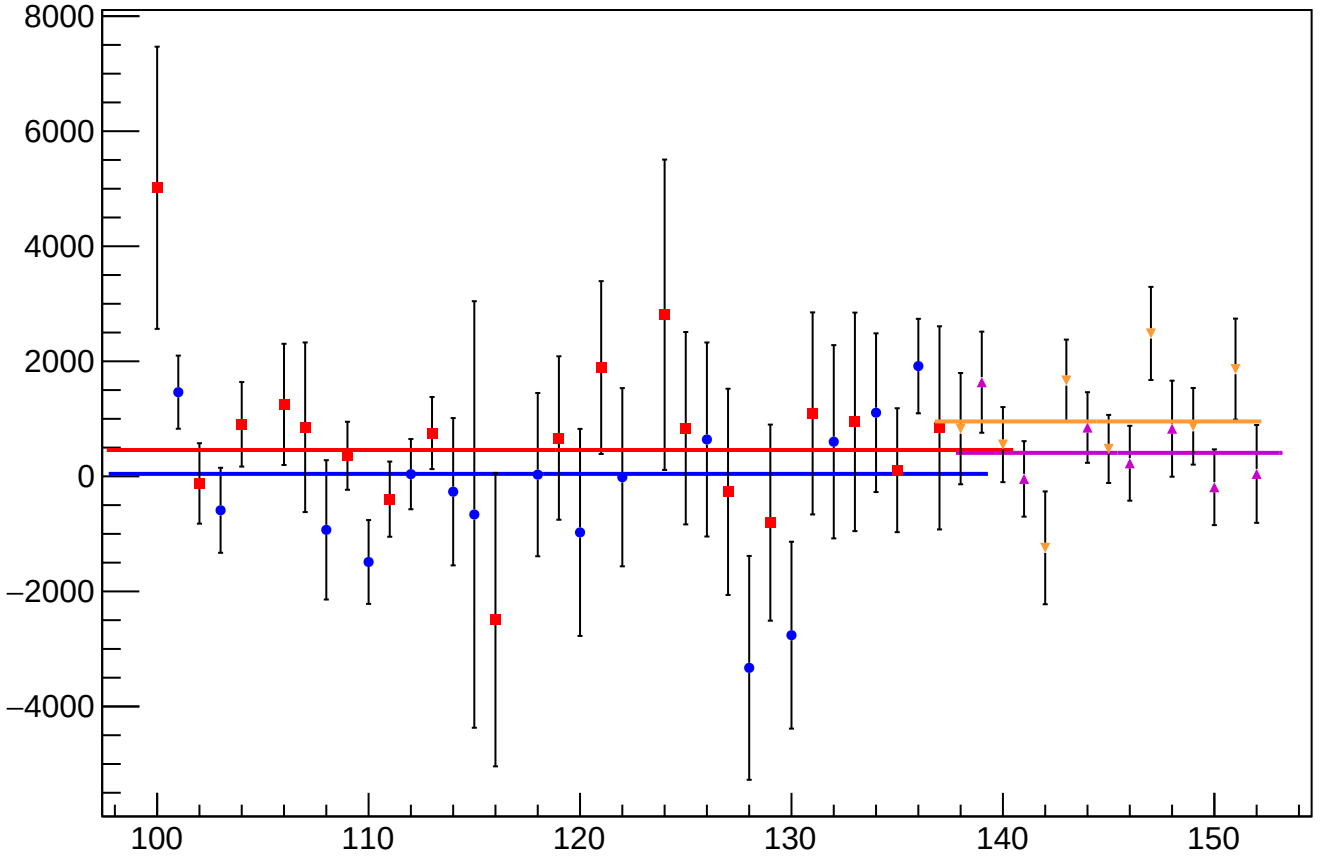
Left In: 667.078+/-0.193 χ^2/NDF:184563.8/6

+ sign 649.910+/-0.131 χ^2/NDF: 2163420.3/23

All: 642.292+/-0.092 χ^2/NDF: 4477811.7/49

- sign 635.079+/-0.128 χ^2/NDF: 2307840.1/25

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 954.459+/-263.855 χ^2/NDF:11.7/7

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

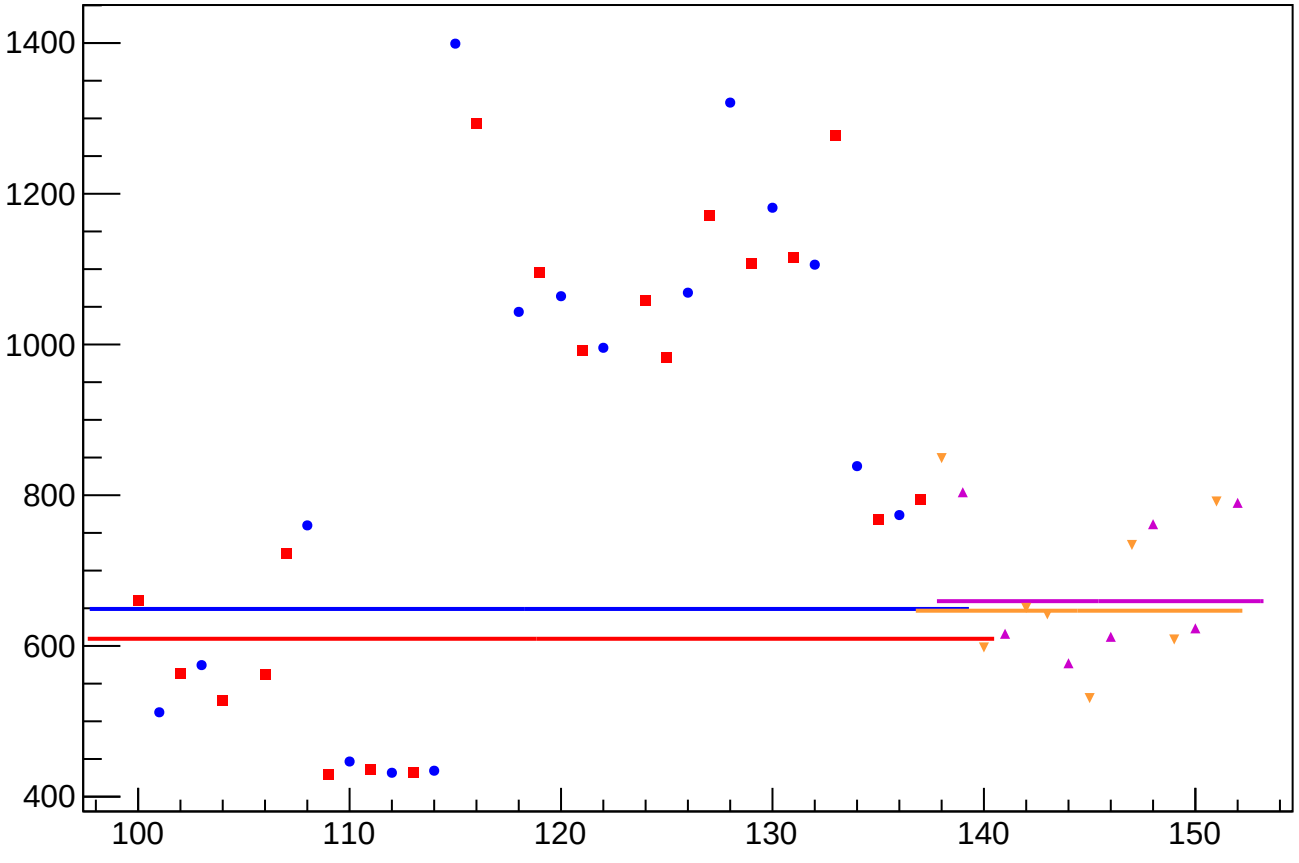
Left In: 408.629+/-269.627 χ^2/NDF:4.3/6

+ sign 491.743+/-185.122 χ^2/NDF: 41.0/23

All: 463.112+/-128.953 χ^2/NDF: 56.6/49

- sign 436.123+/-179.733 χ^2/NDF: 15.6/25

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 646.758+/-0.187 χ^2/NDF:260022.4/7

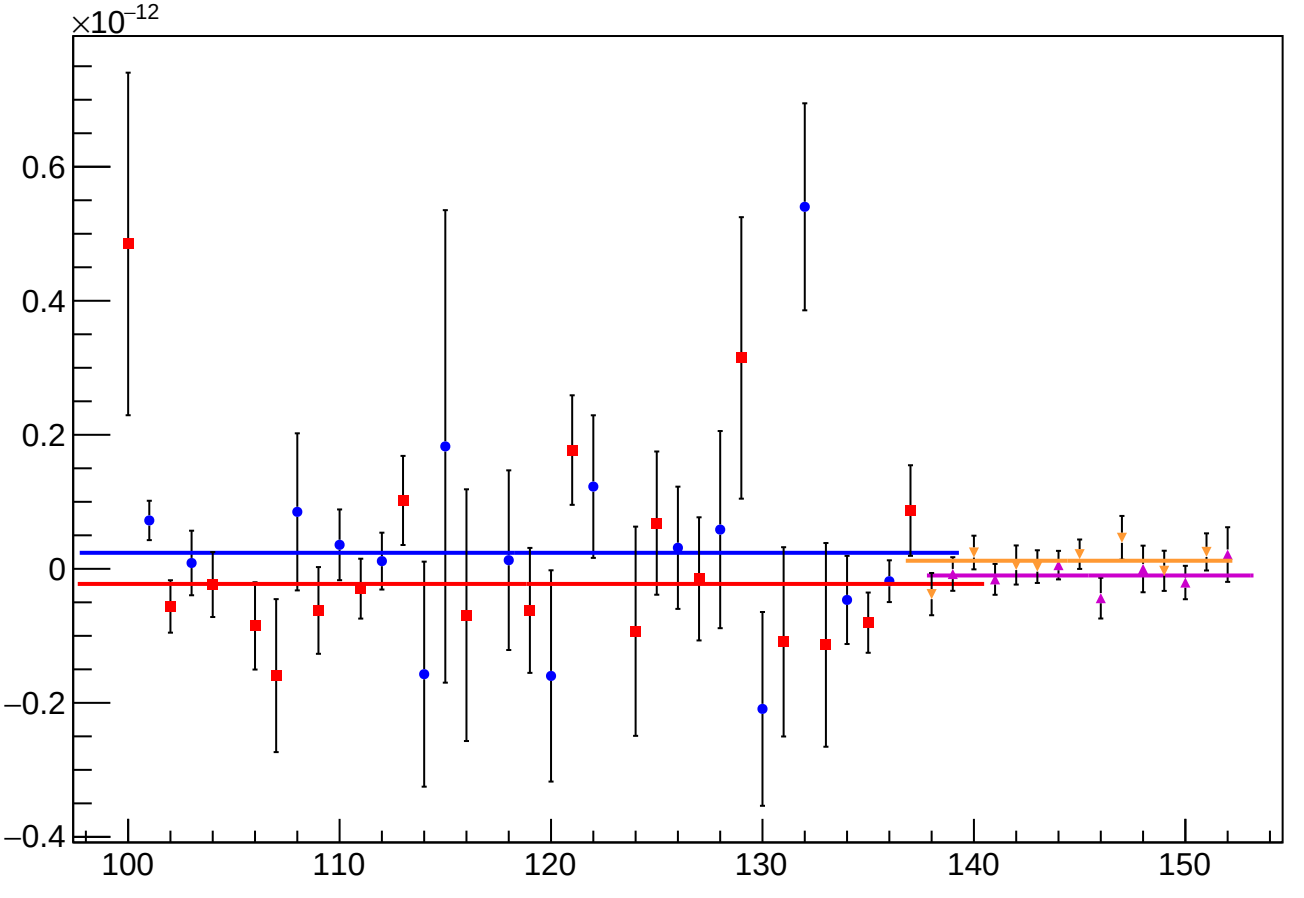
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 659.425+/-0.191 χ^2/NDF:192335.0/6

+ sign 647.943+/-0.131 χ^2/NDF: 2105917.3/23

All: 639.578+/-0.091 χ^2/NDF: 4387851.2/49

- sign 631.693+/-0.127 χ^2/NDF: 2274001.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/7

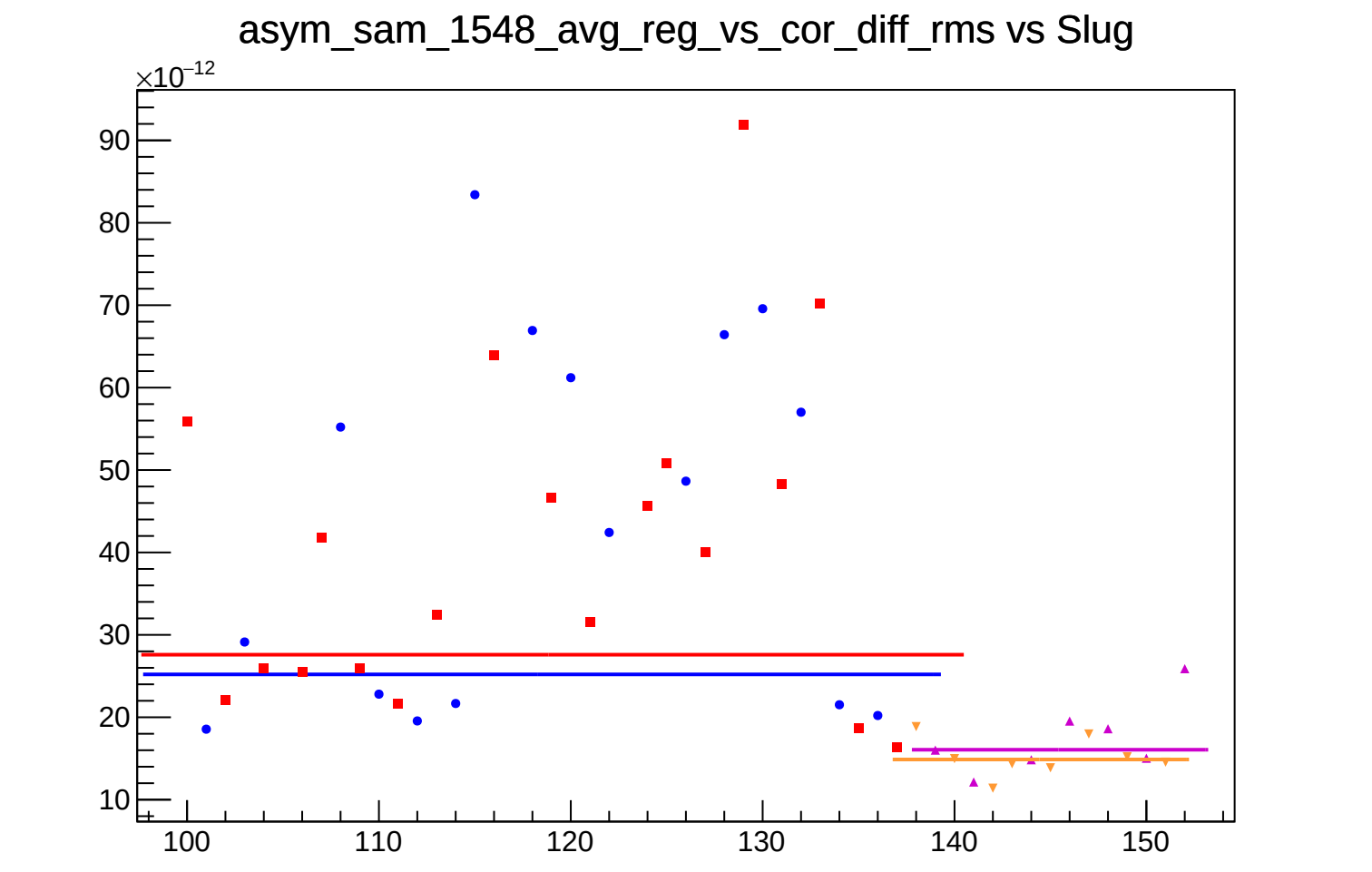
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

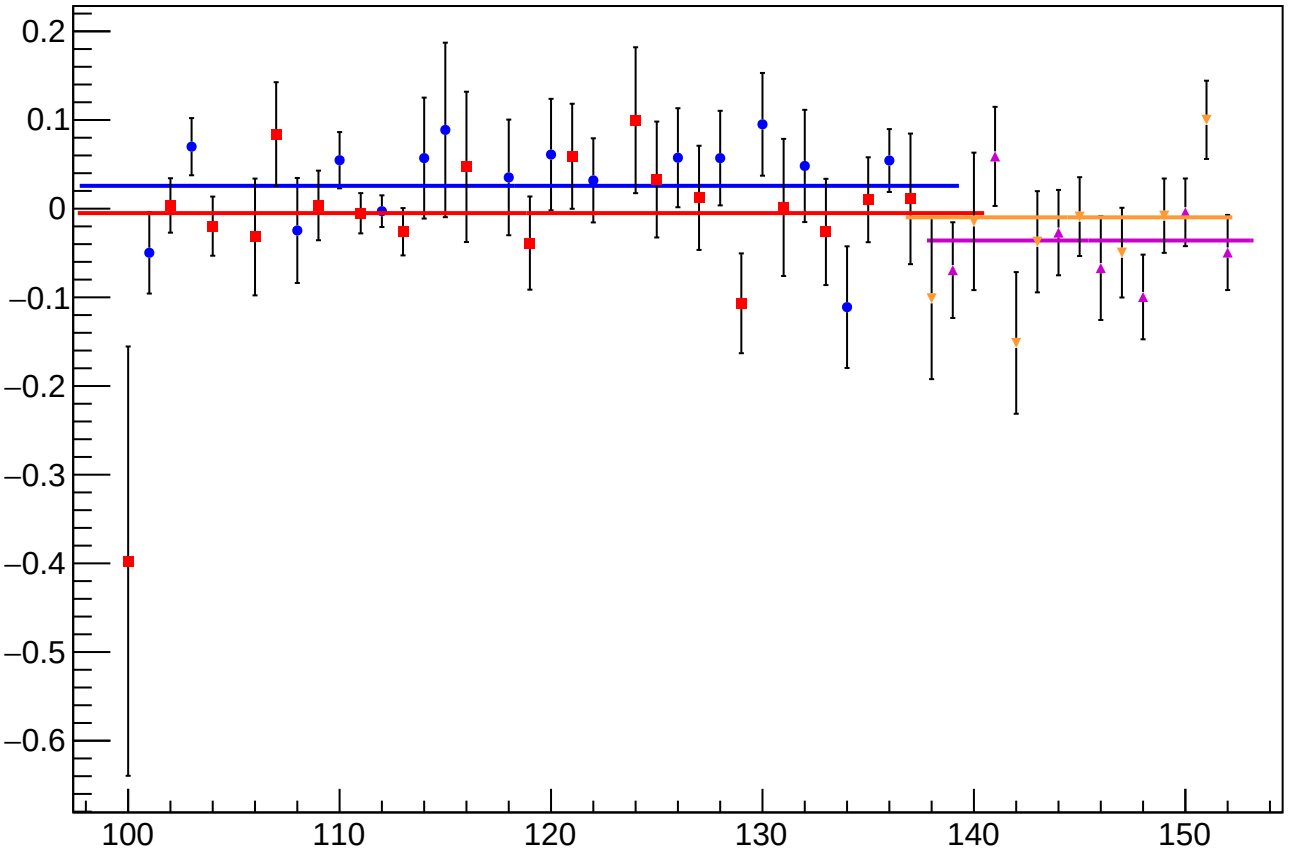
Left In: -0.000+/-0.000 χ^2/NDF:2.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/23

All: 0.000+/-0.000 χ^2/NDF: 63.5/49

- sign -0.000+/-0.000 χ^2/NDF: 28.8/25


asym_sam_1548_avg_reg_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: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:84122.2/7
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:221005.0/6
+ sign 0.000+/-0.000 χ²/NDF: 2055867.3/23
All: 0.000+/-0.000 χ²/NDF: 4015001.5/49
- sign 0.000+/-0.000 χ²/NDF: 1929643.6/25



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.019 χ^2/NDF:11.2/7

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

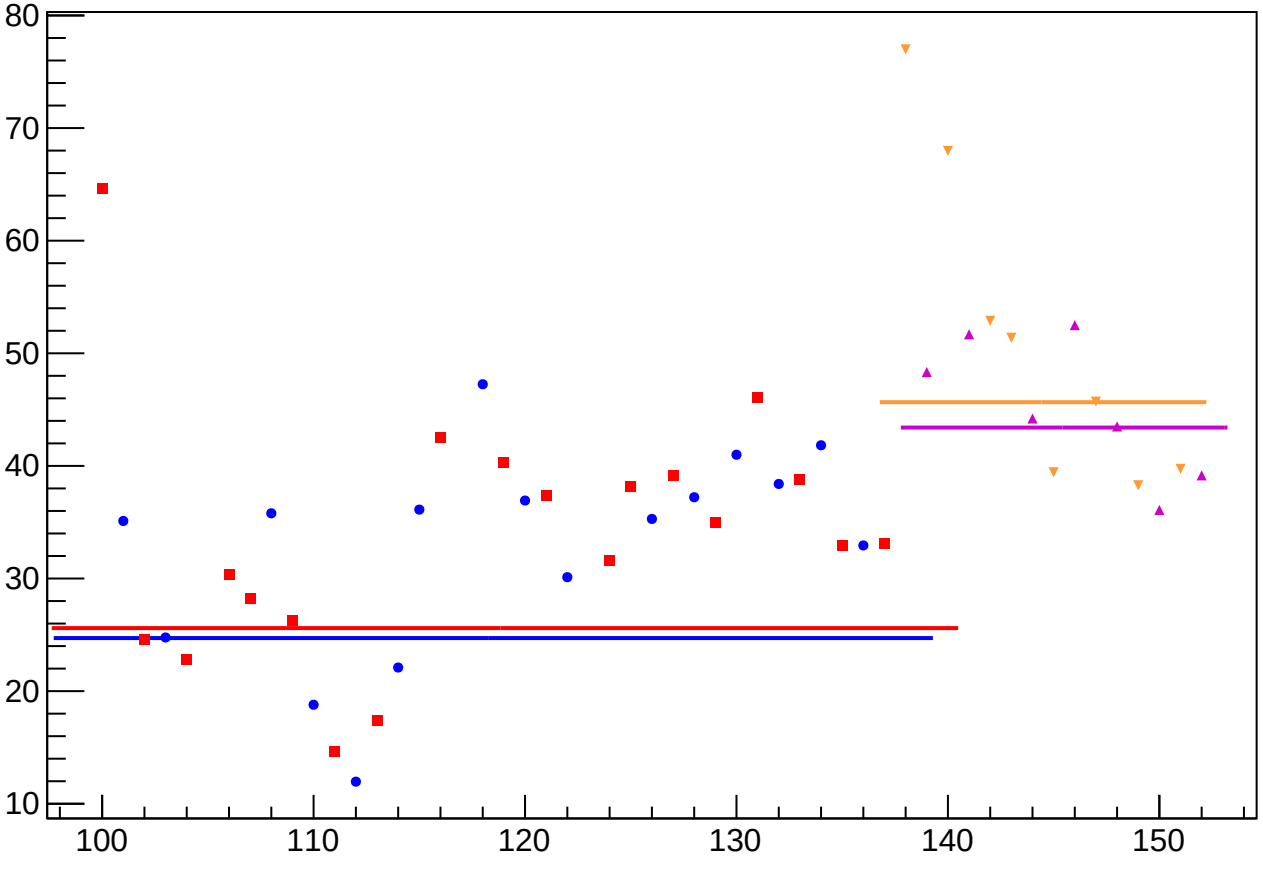
Left In: -0.036+/-0.018 χ^2/NDF:6.2/6

+ sign 0.018+/-0.009 χ^2/NDF: 30.4/23

All: 0.002+/-0.006 χ^2/NDF: 58.0/49

- sign -0.013+/-0.009 χ^2/NDF: 22.0/25

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: 45.660+/-0.014 χ^2/NDF:575787.9/7

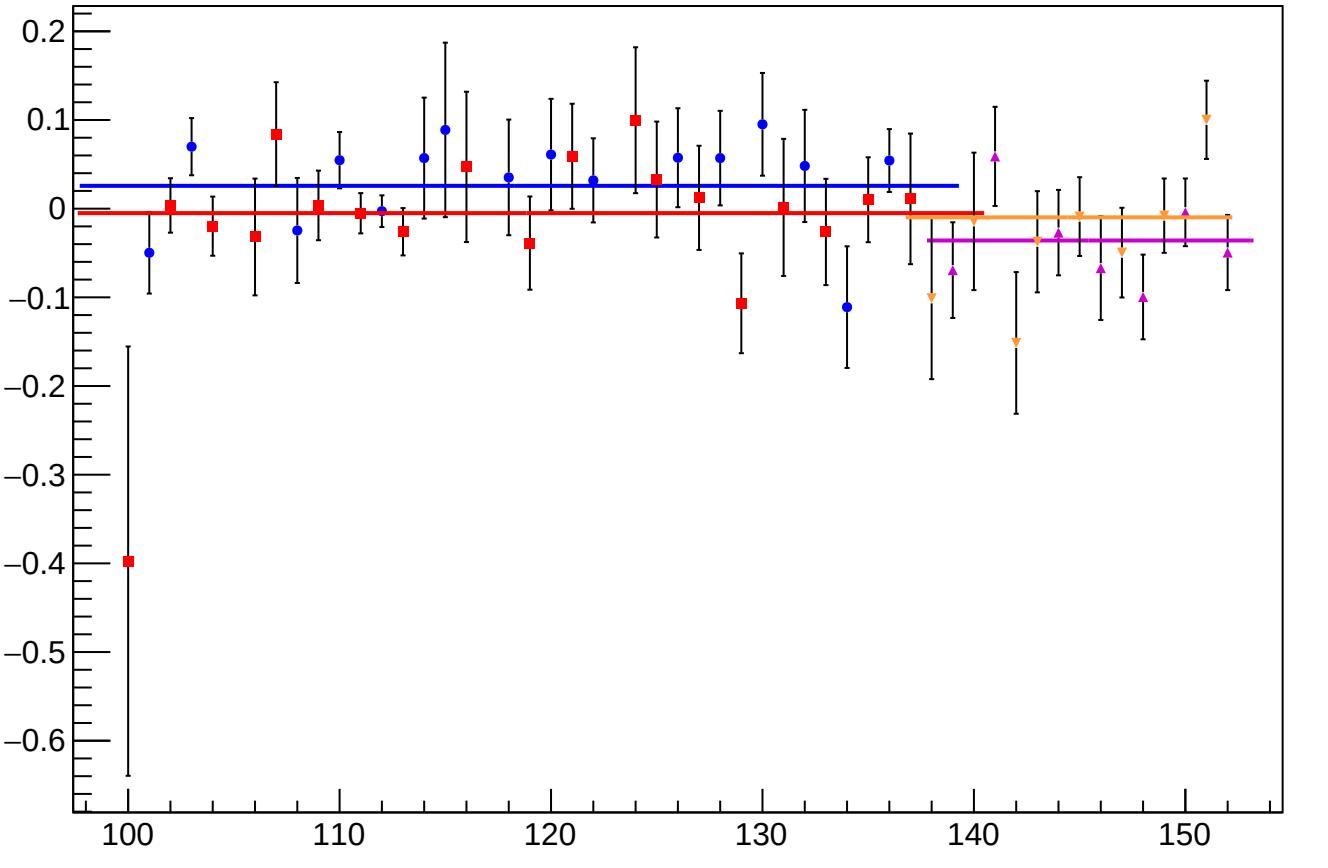
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.406+/-0.013 χ^2/NDF:203078.5/6

+ sign 29.458+/-0.006 χ^2/NDF: 4724439.3/23

All: 29.734+/-0.005 χ^2/NDF: 8001601.4/49

- sign 30.002+/-0.006 χ^2/NDF: 3273533.1/25



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.019 χ^2/NDF:11.2/7

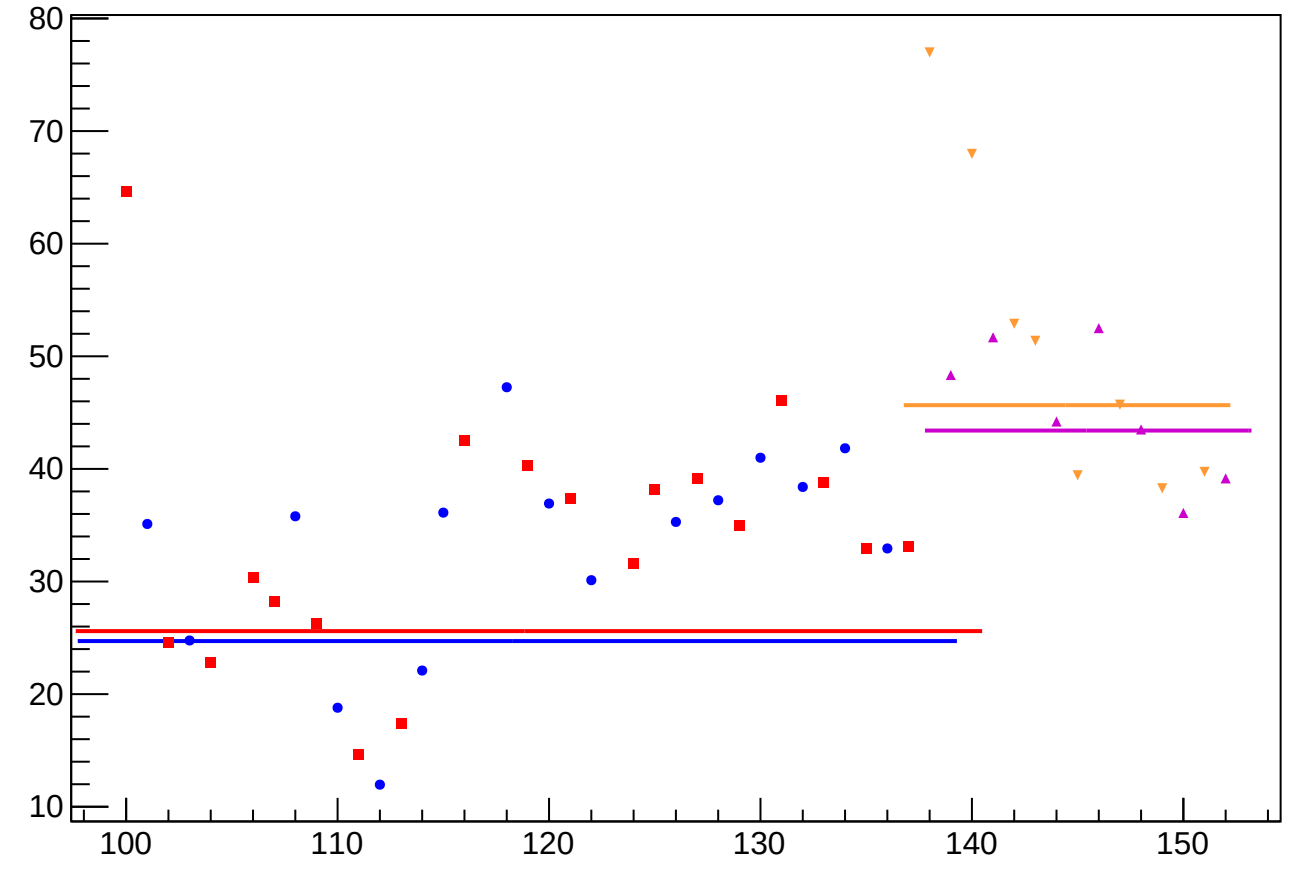
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.036+/-0.018 χ^2/NDF:6.2/6

+ sign 0.018+/-0.009 χ^2/NDF: 30.4/23

All: 0.002+/-0.006 χ^2/NDF: 58.0/49

- sign -0.013+/-0.009 χ^2/NDF: 22.0/25



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.660+/-0.014 χ^2/NDF:575787.9/7

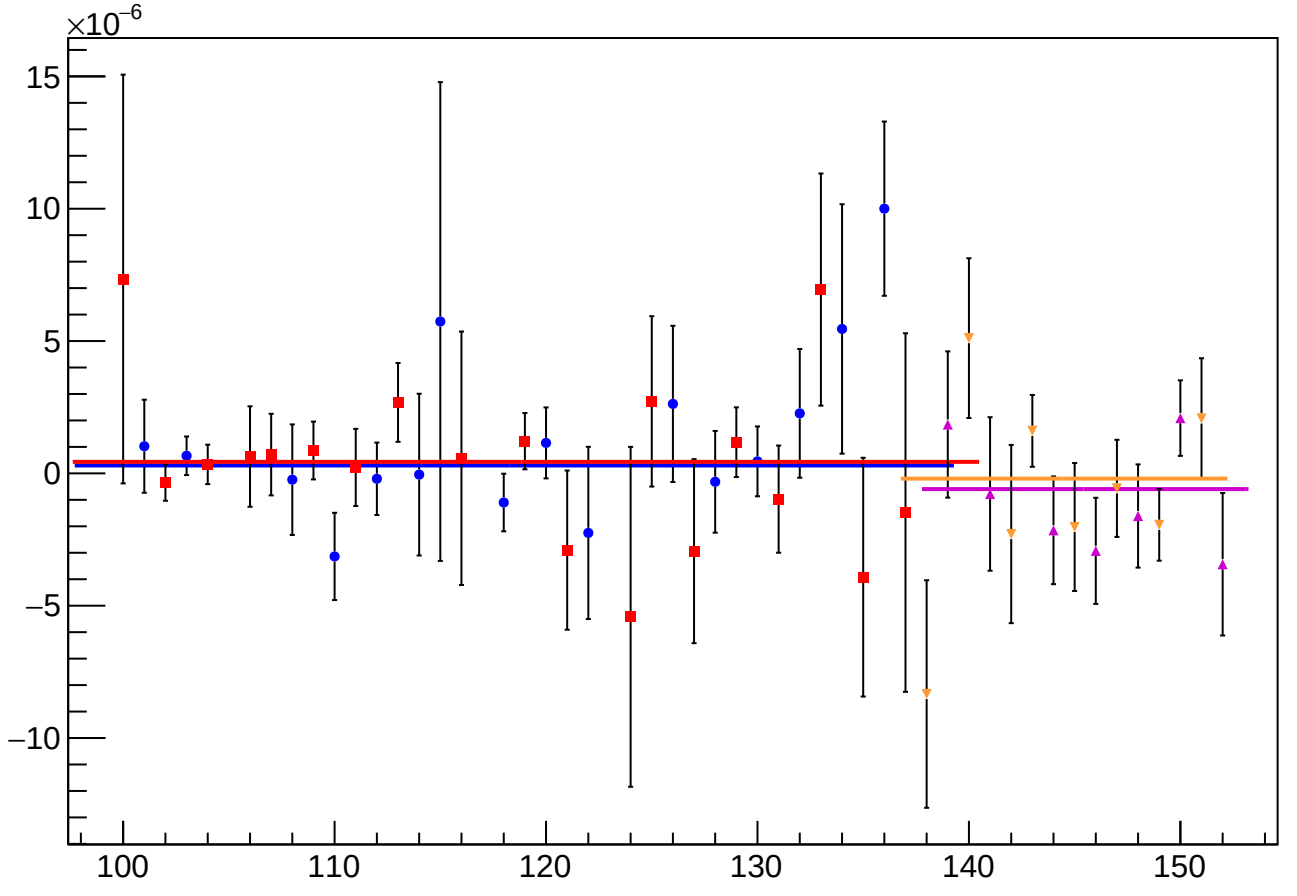
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.406+/-0.013 χ^2/NDF:203078.5/6

+ sign 29.458+/-0.006 χ^2/NDF: 4724439.3/23

All: 29.734+/-0.005 χ^2/NDF: 8001601.4/49

- sign 30.002+/-0.006 χ^2/NDF: 3273533.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/7

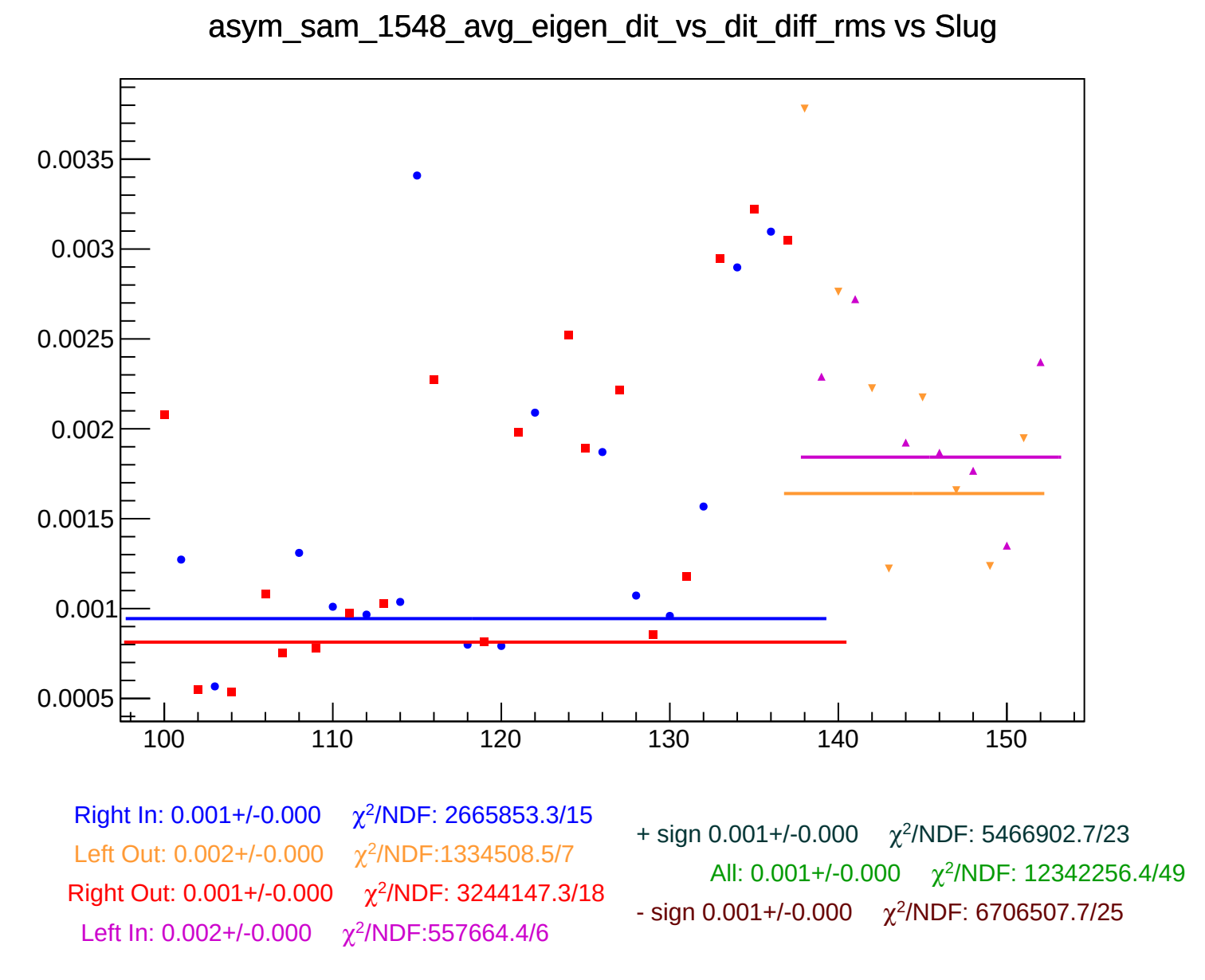
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

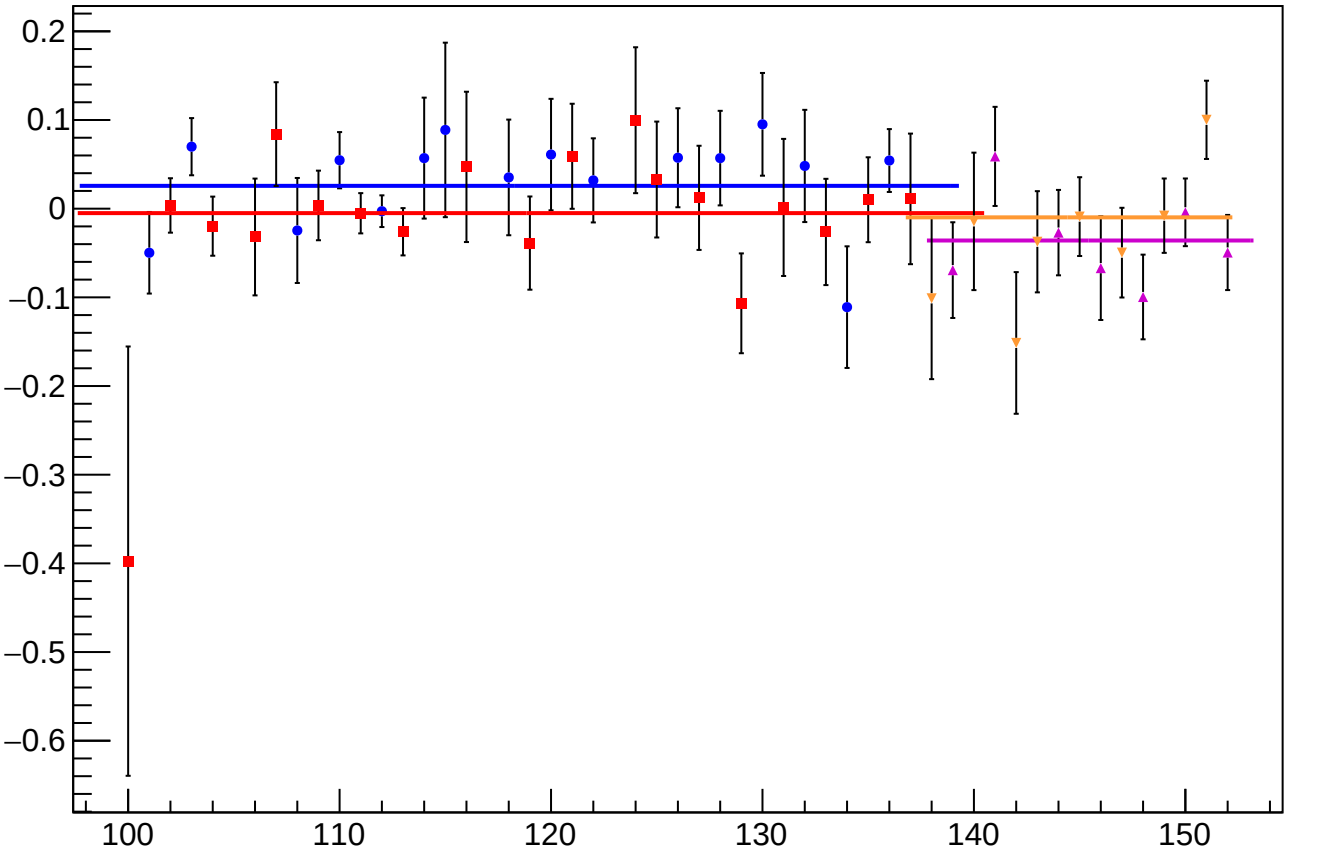
Left In: -0.000+/-0.000 χ^2/NDF:7.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/23

All: 0.000+/-0.000 χ^2/NDF: 53.6/49

- sign 0.000+/-0.000 χ^2/NDF: 21.8/25


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:1334508.5/7
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:557664.4/6
+ sign 0.001+/-0.000 χ²/NDF: 5466902.7/23
All: 0.001+/-0.000 χ²/NDF: 12342256.4/49
- sign 0.001+/-0.000 χ²/NDF: 6706507.7/25



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.019 χ^2/NDF:11.2/7

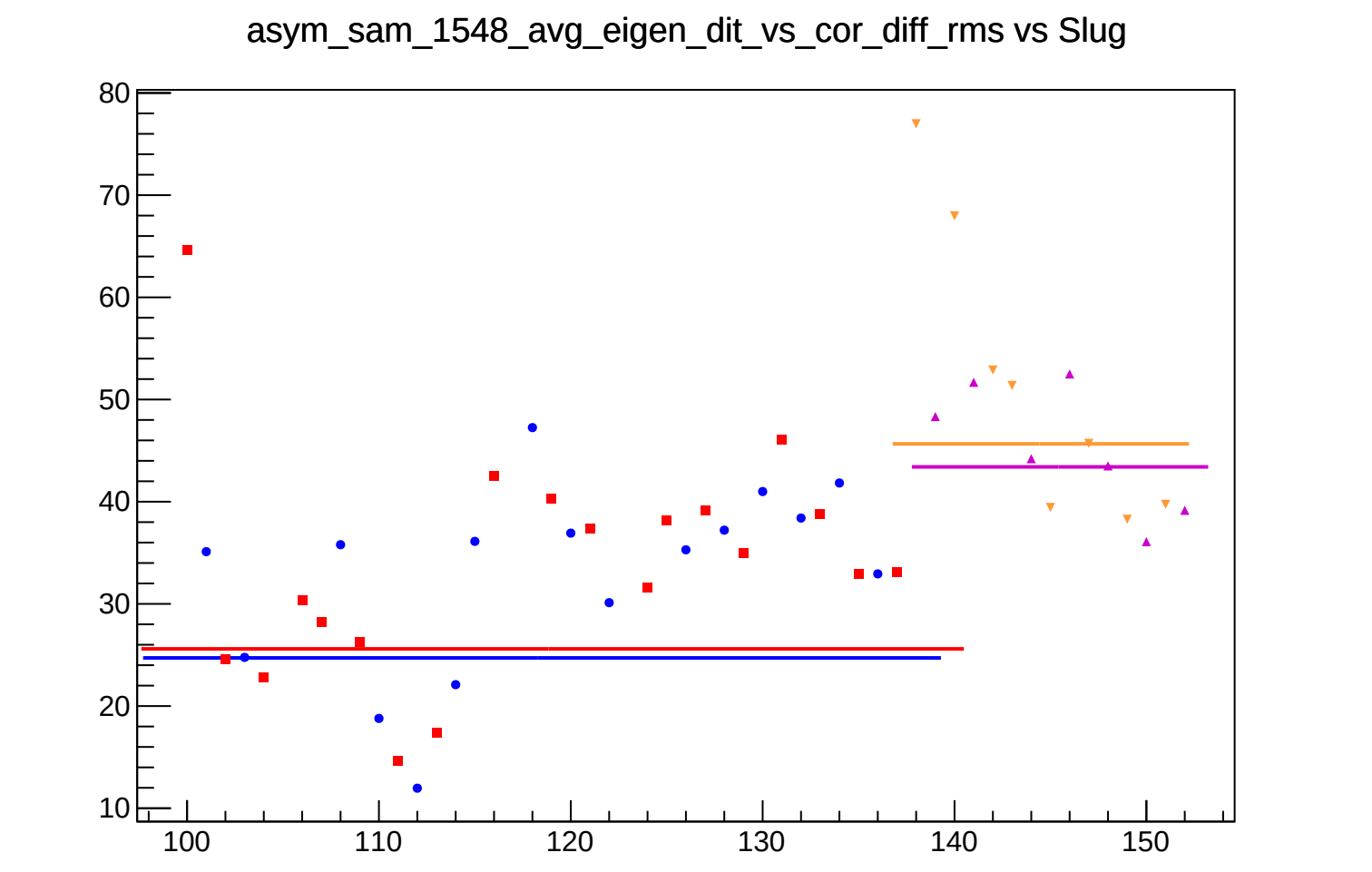
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.036+/-0.018 χ^2/NDF:6.2/6

+ sign 0.018+/-0.009 χ^2/NDF: 30.4/23

All: 0.002+/-0.006 χ^2/NDF: 58.0/49

- sign -0.013+/-0.009 χ^2/NDF: 22.0/25



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.661+/-0.014 χ^2/NDF:575771.6/7

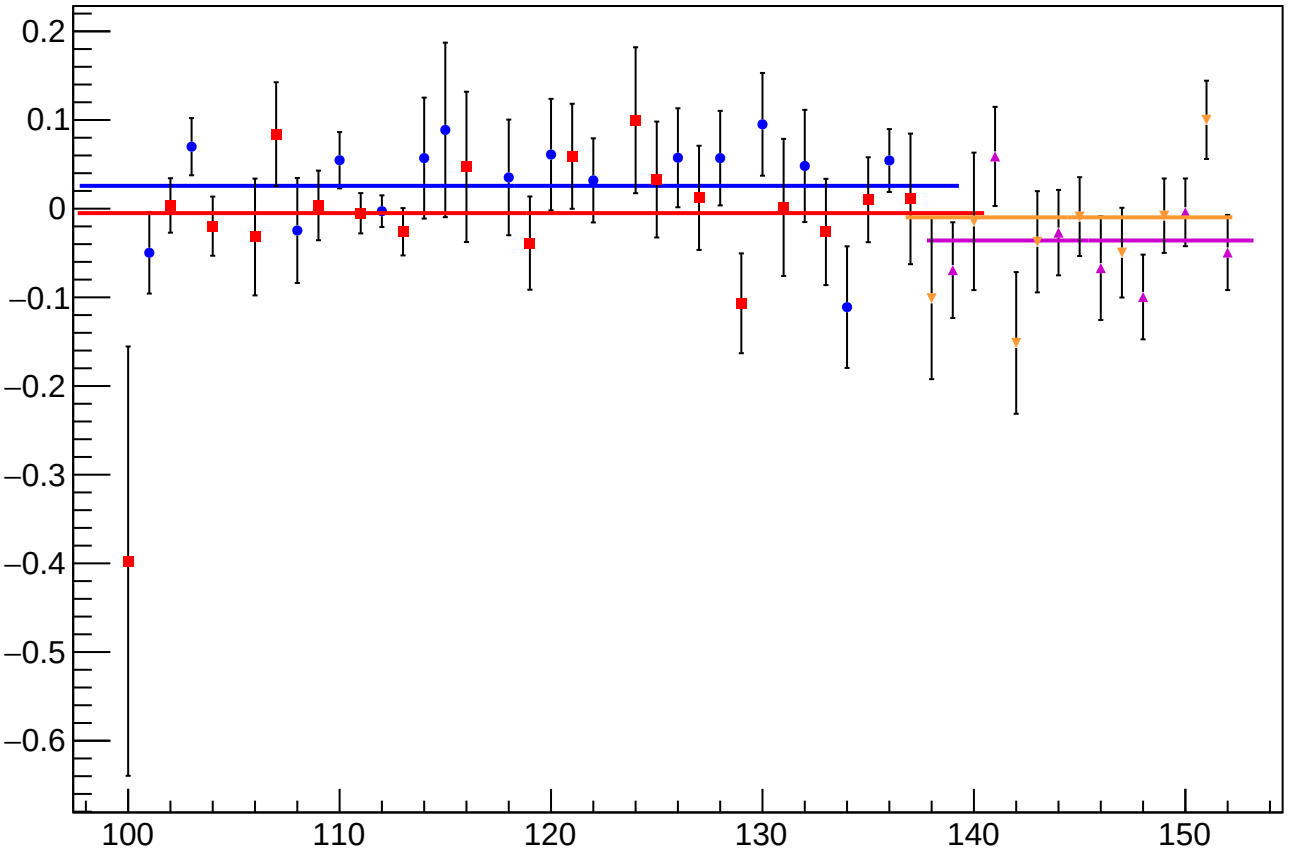
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.407+/-0.013 χ^2/NDF:203081.4/6

+ sign 29.457+/-0.006 χ^2/NDF: 4724786.3/23

All: 29.733+/-0.005 χ^2/NDF: 8002249.0/49

- sign 30.002+/-0.006 χ^2/NDF: 3273831.4/25



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.019 χ^2/NDF:11.2/7

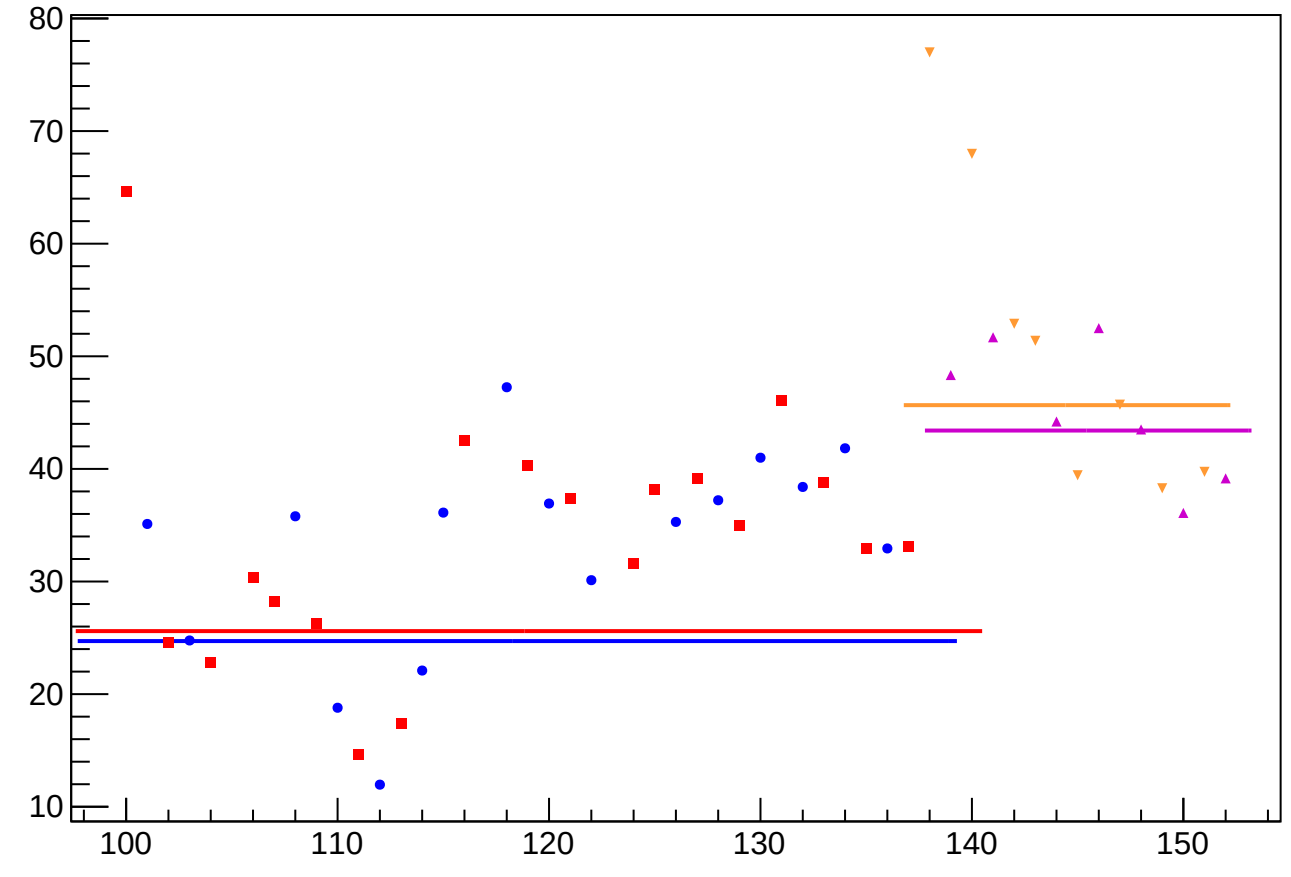
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.036+/-0.018 χ^2/NDF:6.2/6

+ sign 0.018+/-0.009 χ^2/NDF: 30.4/23

All: 0.002+/-0.006 χ^2/NDF: 58.0/49

- sign -0.013+/-0.009 χ^2/NDF: 22.0/25



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.661+/-0.014 χ^2/NDF:575771.6/7

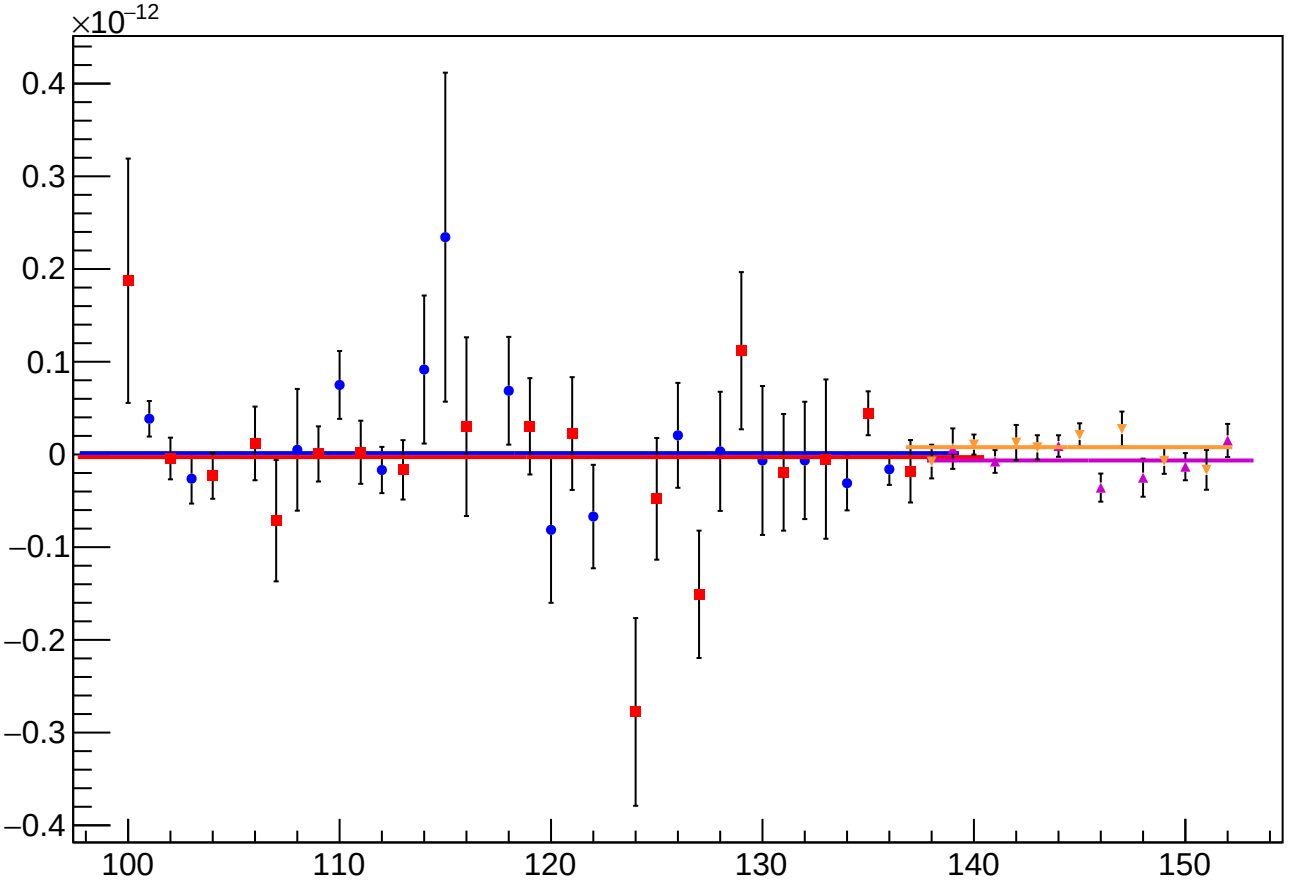
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.407+/-0.013 χ^2/NDF:203081.4/6

+ sign 29.457+/-0.006 χ^2/NDF: 4724786.3/23

All: 29.733+/-0.005 χ^2/NDF: 8002249.0/49

- sign 30.002+/-0.006 χ^2/NDF: 3273831.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/7

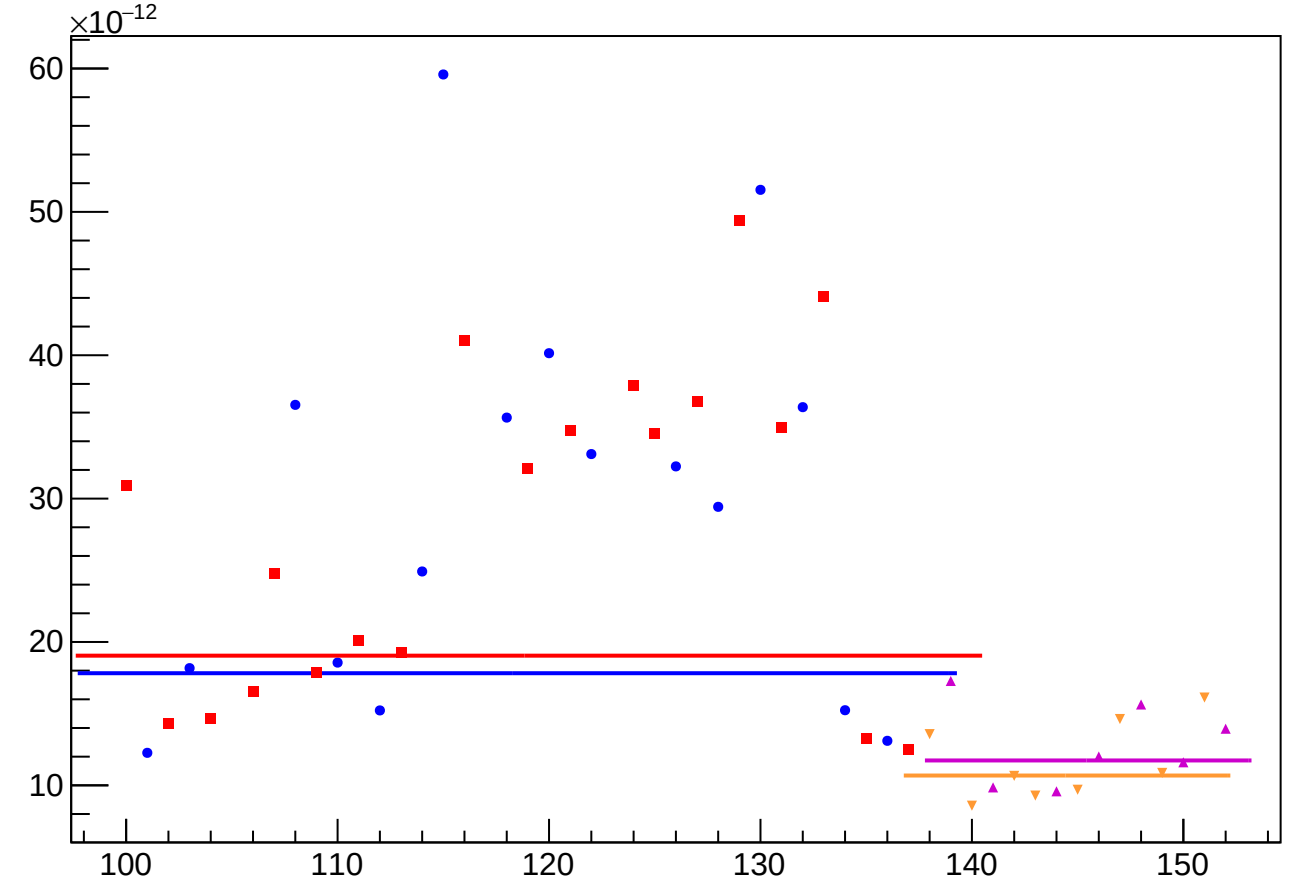
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 24.6/23

All: 0.000+/-0.000 χ^2/NDF: 59.6/49

- sign -0.000+/-0.000 χ^2/NDF: 32.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:377660.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

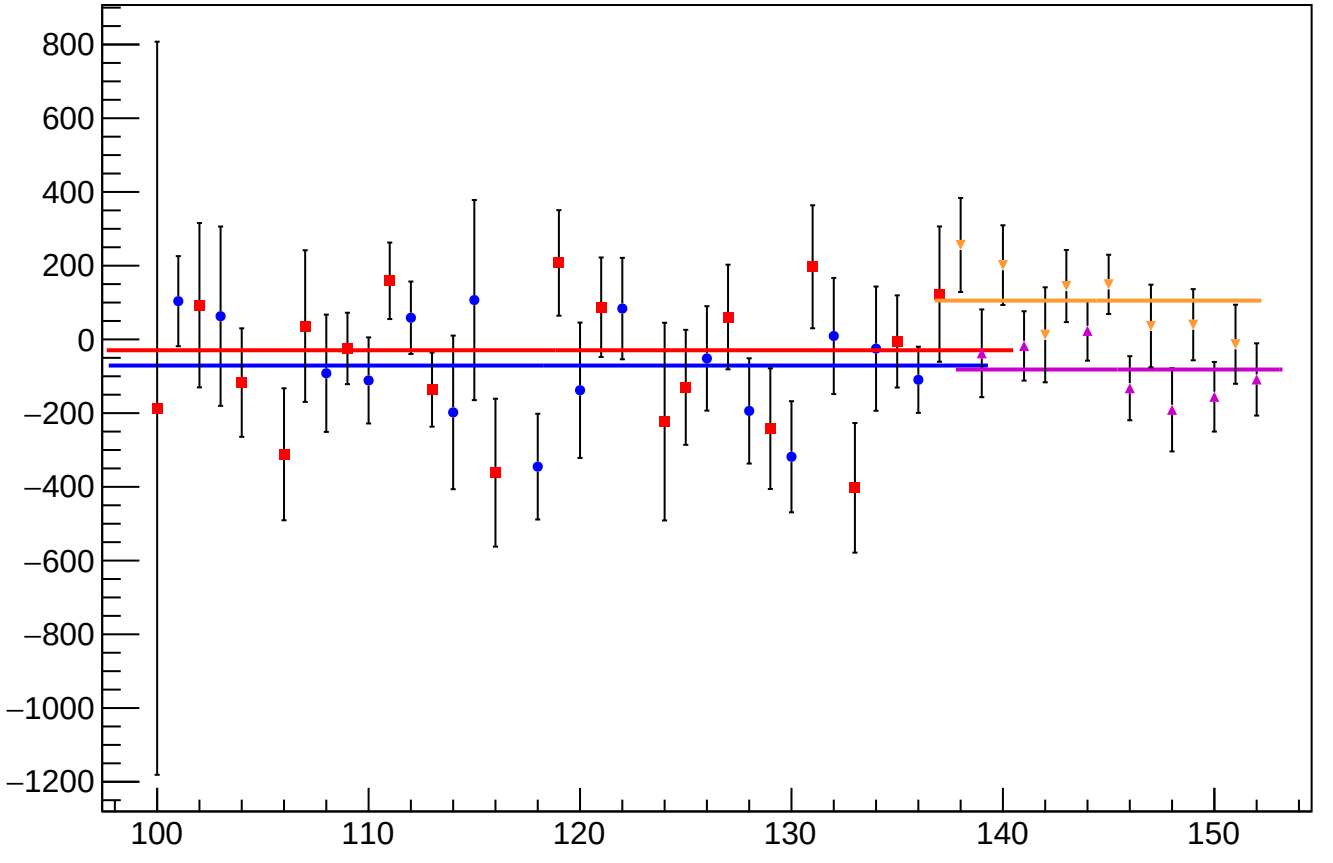
Left In: 0.000+/-0.000 χ^2/NDF:348349.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 3240434.5/23

All: 0.000+/-0.000 χ^2/NDF: 6196554.2/49

- sign 0.000+/-0.000 χ^2/NDF: 2889529.4/25

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 105.347+/-36.747 χ^2/NDF:5.2/7

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

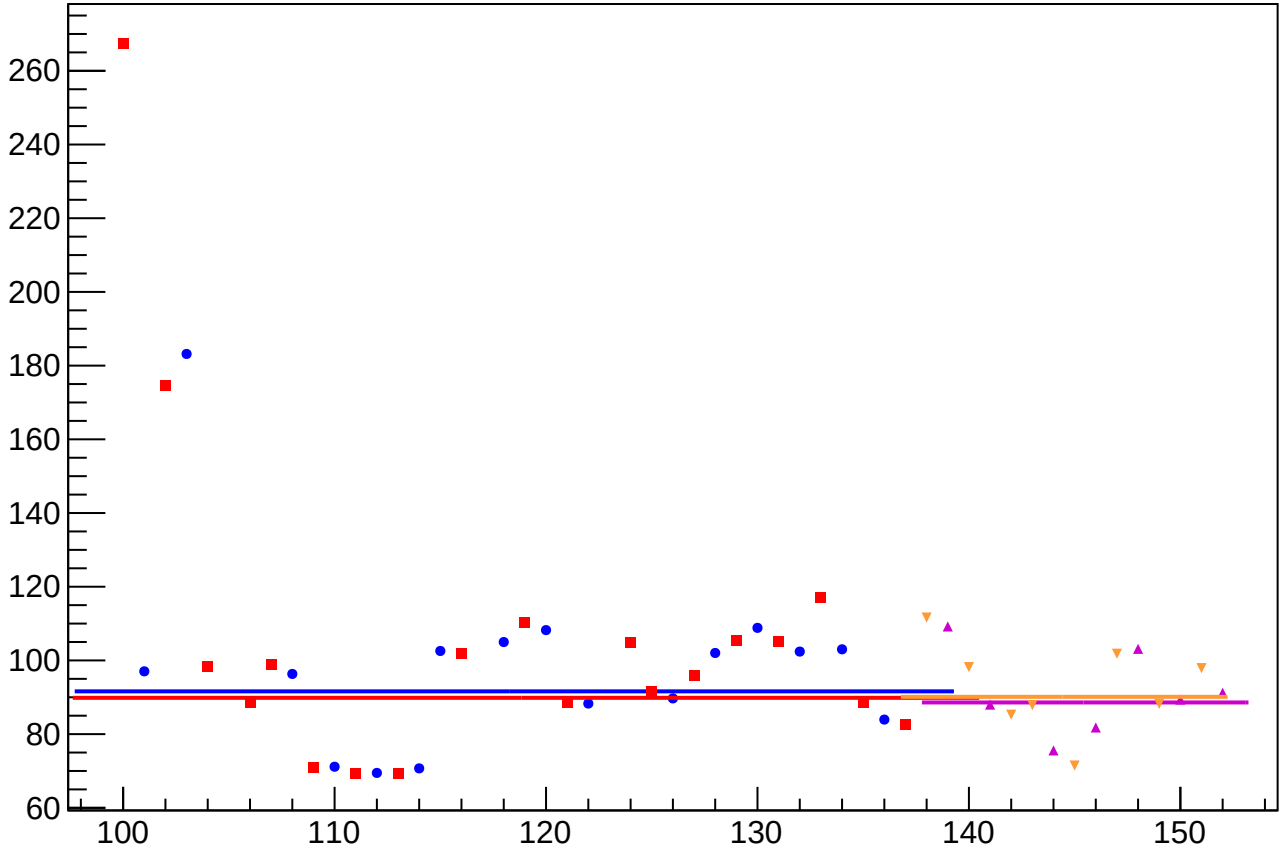
Left In: -81.663+/-36.181 χ^2/NDF:4.3/6

+ sign 13.246+/-25.390 χ^2/NDF: 31.3/23

All: -21.123+/-17.767 χ^2/NDF: 64.3/49

- sign -54.099+/-24.870 χ^2/NDF: 29.4/25

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.121+/-0.026 χ^2/NDF:212637.3/7

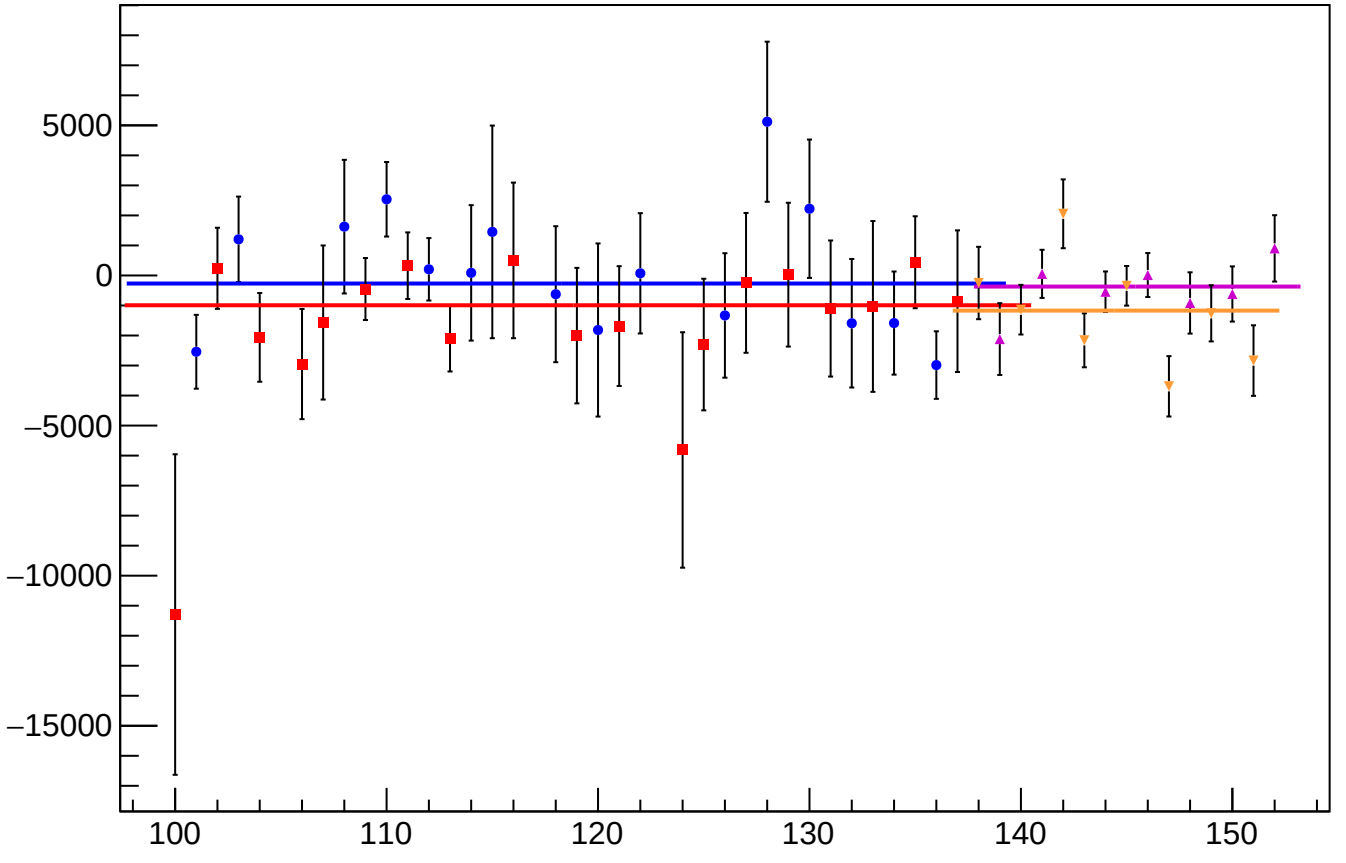
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 88.594+/-0.026 χ^2/NDF:159036.1/6

+ sign 90.898+/-0.018 χ^2/NDF: 795022.0/23

All: 90.062+/-0.013 χ^2/NDF: 1705881.5/49

- sign 89.259+/-0.018 χ^2/NDF: 906605.6/25



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1170.079+/-327.909 χ^2/NDF:19.6/7

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

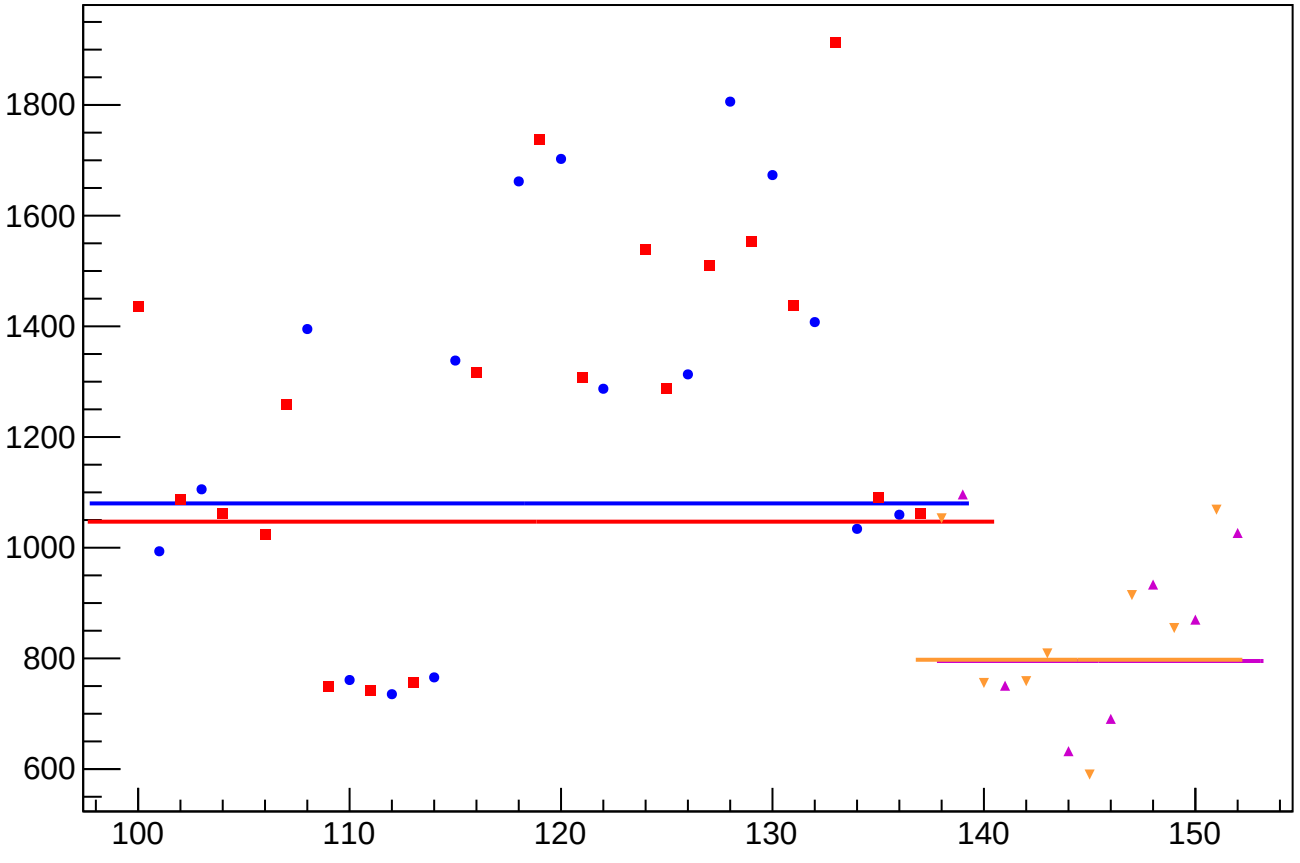
Left In: -369.797+/-328.413 χ^2/NDF:4.4/6

+ sign -828.212+/-258.366 χ^2/NDF: 45.9/23

All: -722.339+/-181.141 χ^2/NDF: 64.8/49

- sign -619.988+/-254.033 χ^2/NDF: 18.6/25

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 797.555+/-0.232 χ^2/NDF:436113.4/7

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

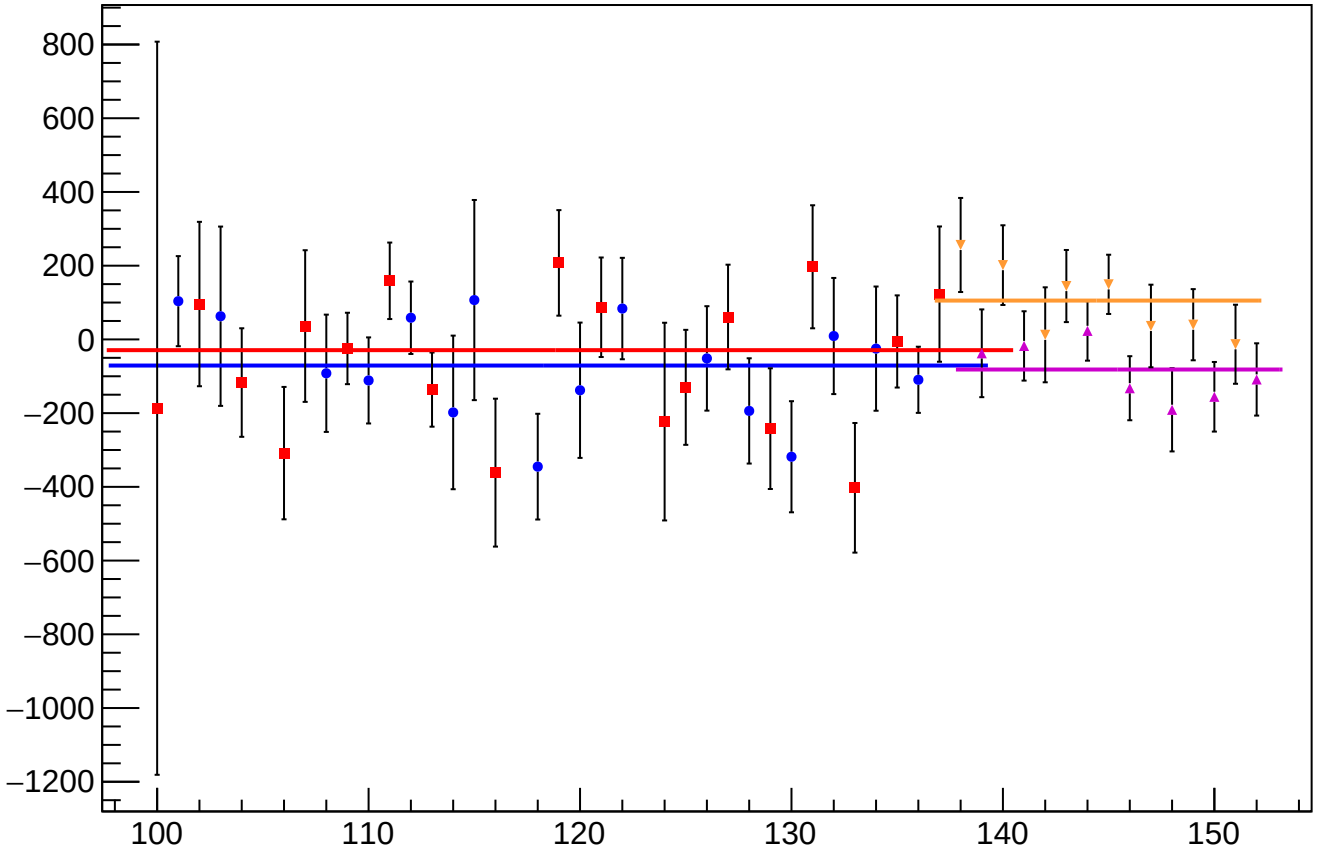
Left In: 795.305+/-0.232 χ^2/NDF:427407.2/6

+ sign 904.670+/-0.183 χ^2/NDF: 2052409.6/23

All: 900.481+/-0.128 χ^2/NDF: 4151605.6/49

- sign 896.431+/-0.180 χ^2/NDF: 2098162.0/25

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 105.356+/-36.747 χ^2/NDF:5.2/7

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

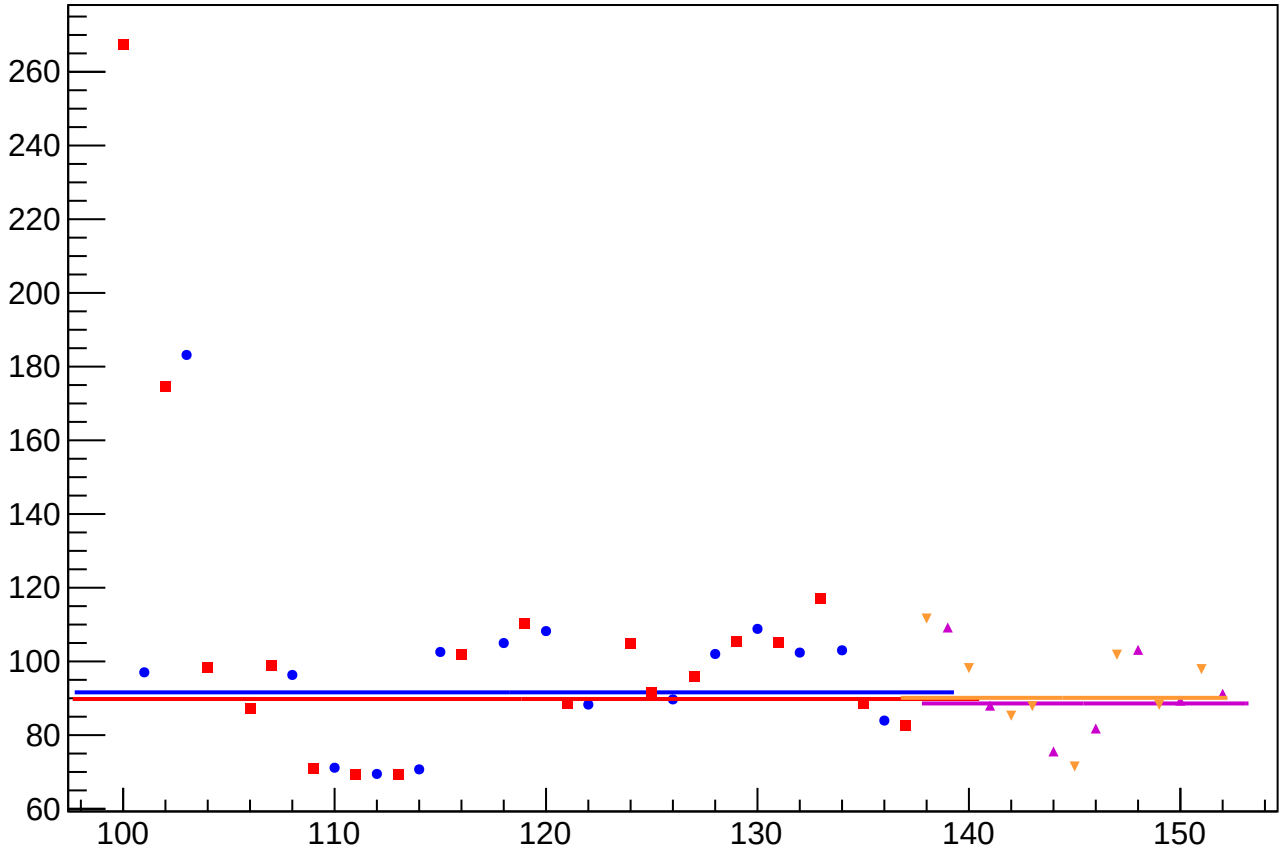
Left In: -81.668+/-36.181 χ^2/NDF:4.3/6

+ sign 13.244+/-25.390 χ^2/NDF: 31.3/23

All: -21.057+/-17.767 χ^2/NDF: 64.2/49

- sign -53.973+/-24.872 χ^2/NDF: 29.3/25

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.121+/-0.026 χ^2/NDF:212637.3/7

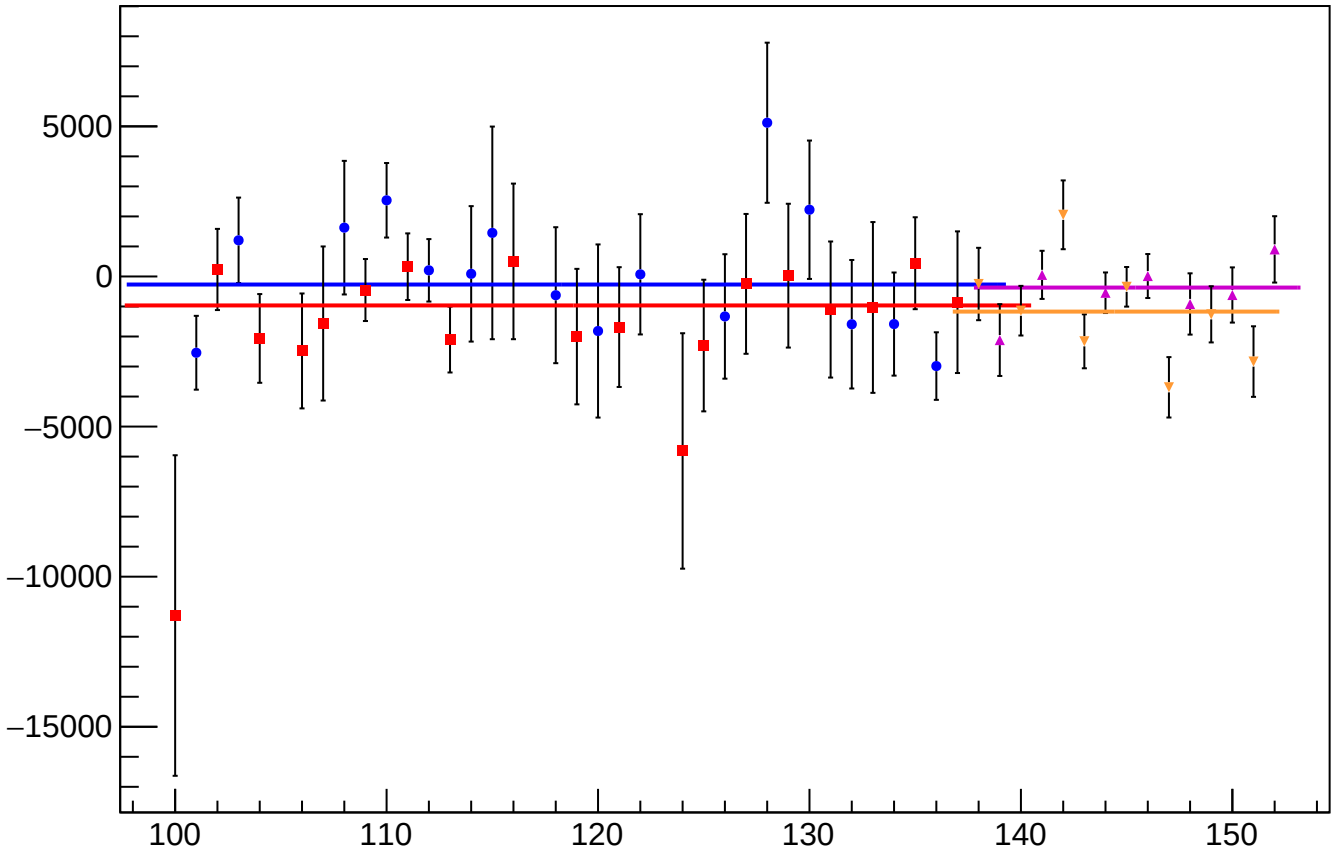
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.594+/-0.026 χ^2/NDF:159036.1/6

+ sign 90.898+/-0.018 χ^2/NDF: 795025.2/23

All: 90.049+/-0.013 χ^2/NDF: 1706465.3/49

- sign 89.234+/-0.018 χ^2/NDF: 907055.2/25



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1170.070+/-327.909 χ^2/NDF:19.6/7

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

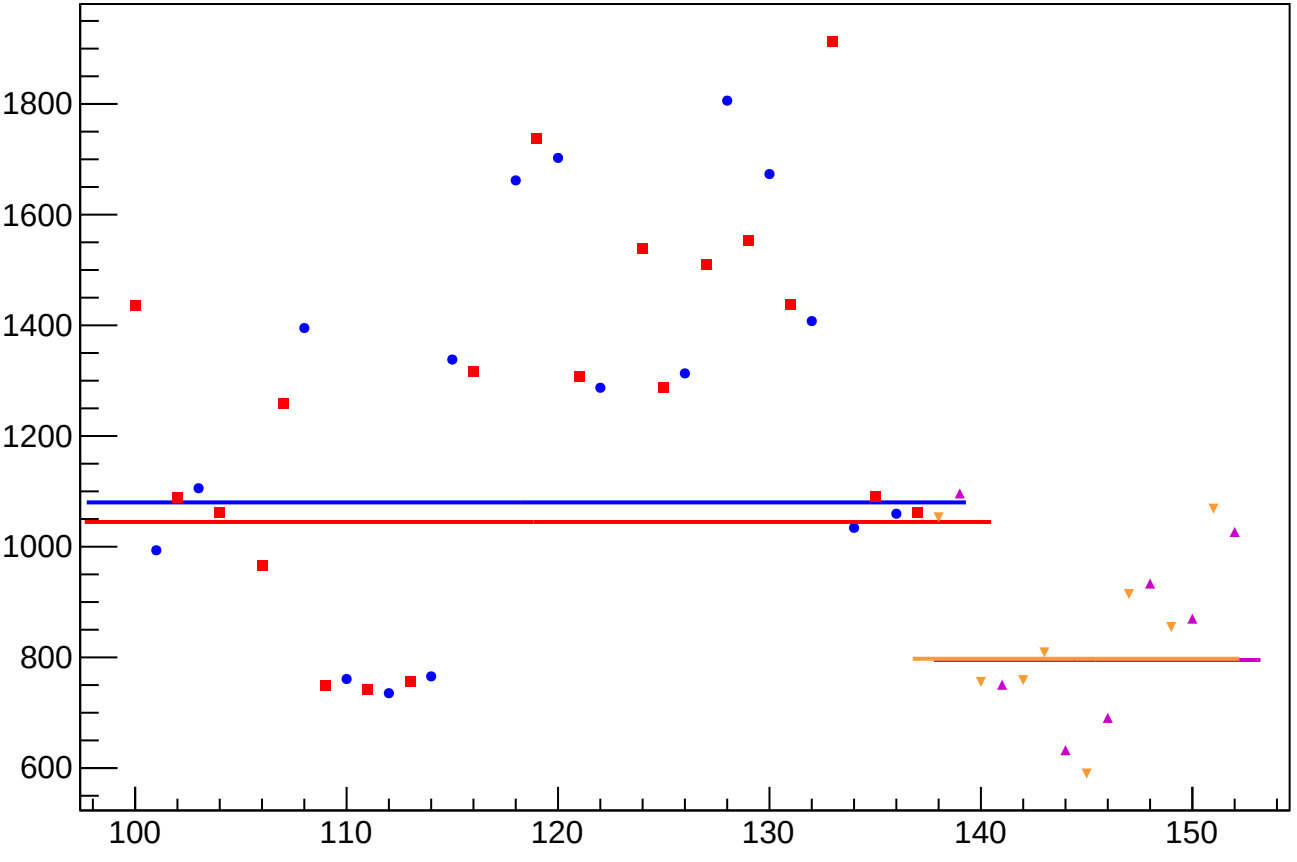
Left In: -369.806+/-328.413 χ^2/NDF:4.4/6

+ sign -828.217+/-258.367 χ^2/NDF: 45.9/23

All: -716.486+/-181.216 χ^2/NDF: 64.1/49

- sign -608.297+/-254.239 χ^2/NDF: 17.9/25

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 797.555+/-0.232 χ^2/NDF:436115.9/7

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

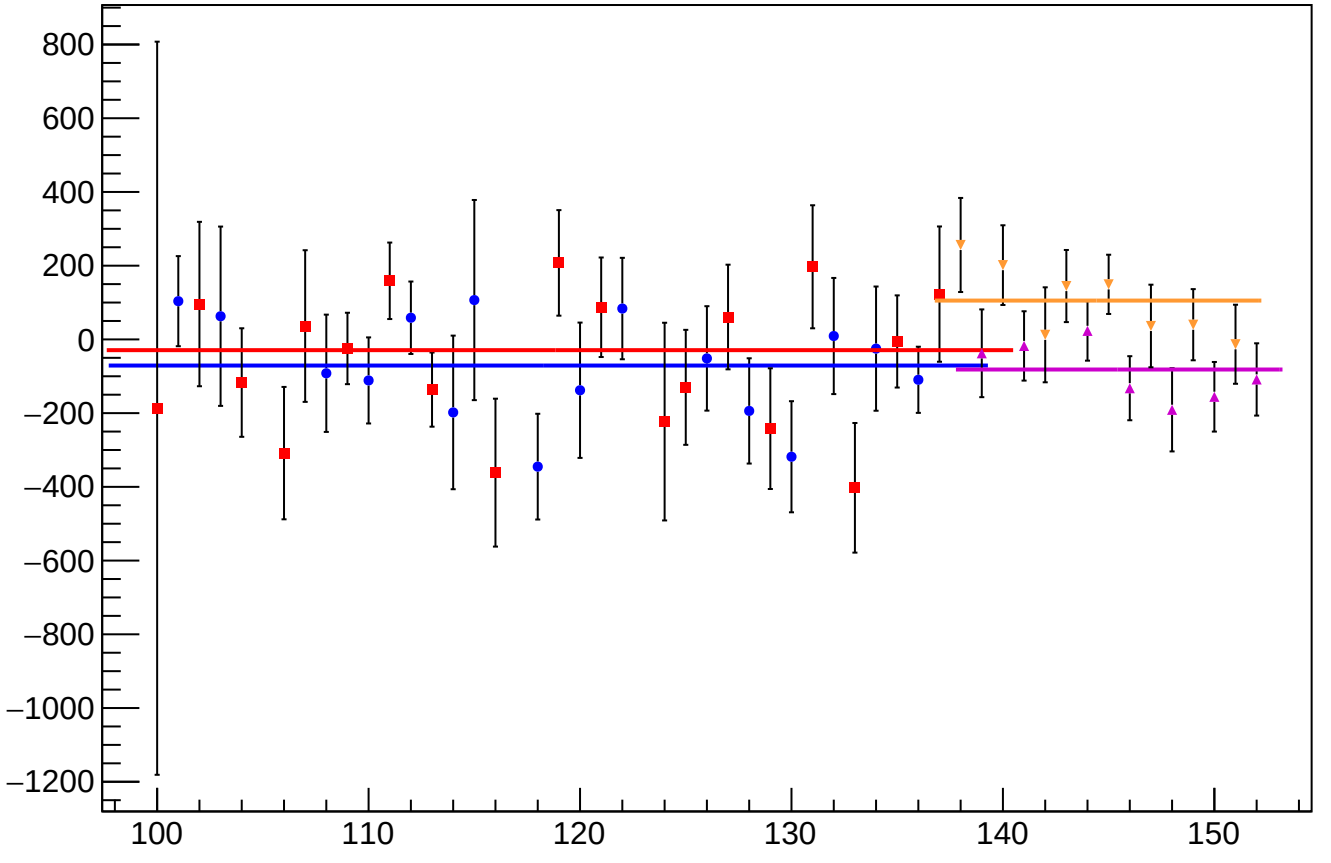
Left In: 795.306+/-0.232 χ^2/NDF:427406.8/6

+ sign 904.672+/-0.183 χ^2/NDF: 2052448.4/23

All: 899.883+/-0.128 χ^2/NDF: 4145247.6/49

- sign 895.246+/-0.180 χ^2/NDF: 2091446.7/25

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 105.356+/-36.747 χ^2/NDF:5.2/7

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

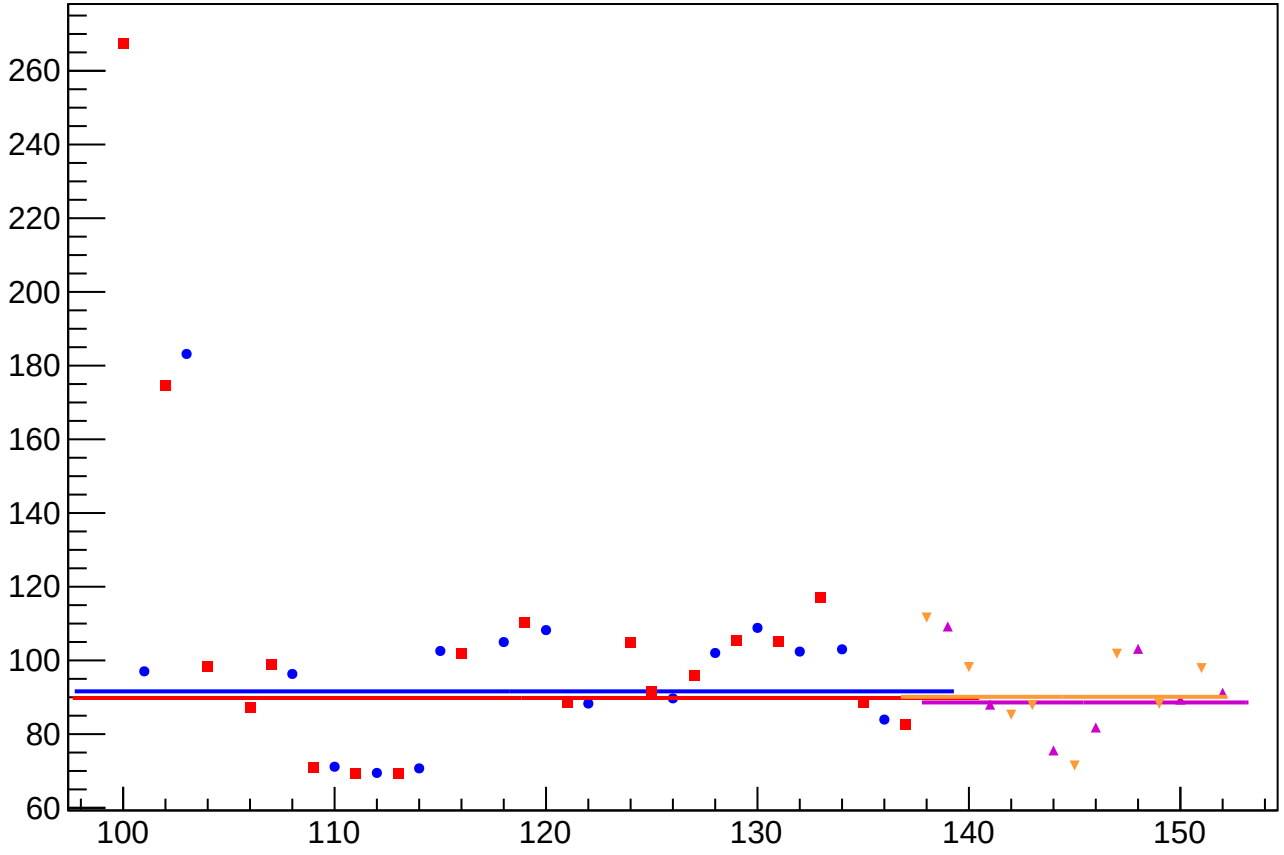
Left In: -81.668+/-36.181 χ^2/NDF:4.3/6

+ sign 13.244+/-25.390 χ^2/NDF: 31.3/23

All: -21.057+/-17.767 χ^2/NDF: 64.2/49

- sign -53.973+/-24.872 χ^2/NDF: 29.3/25

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.121+/-0.026 χ^2/NDF:212637.3/7

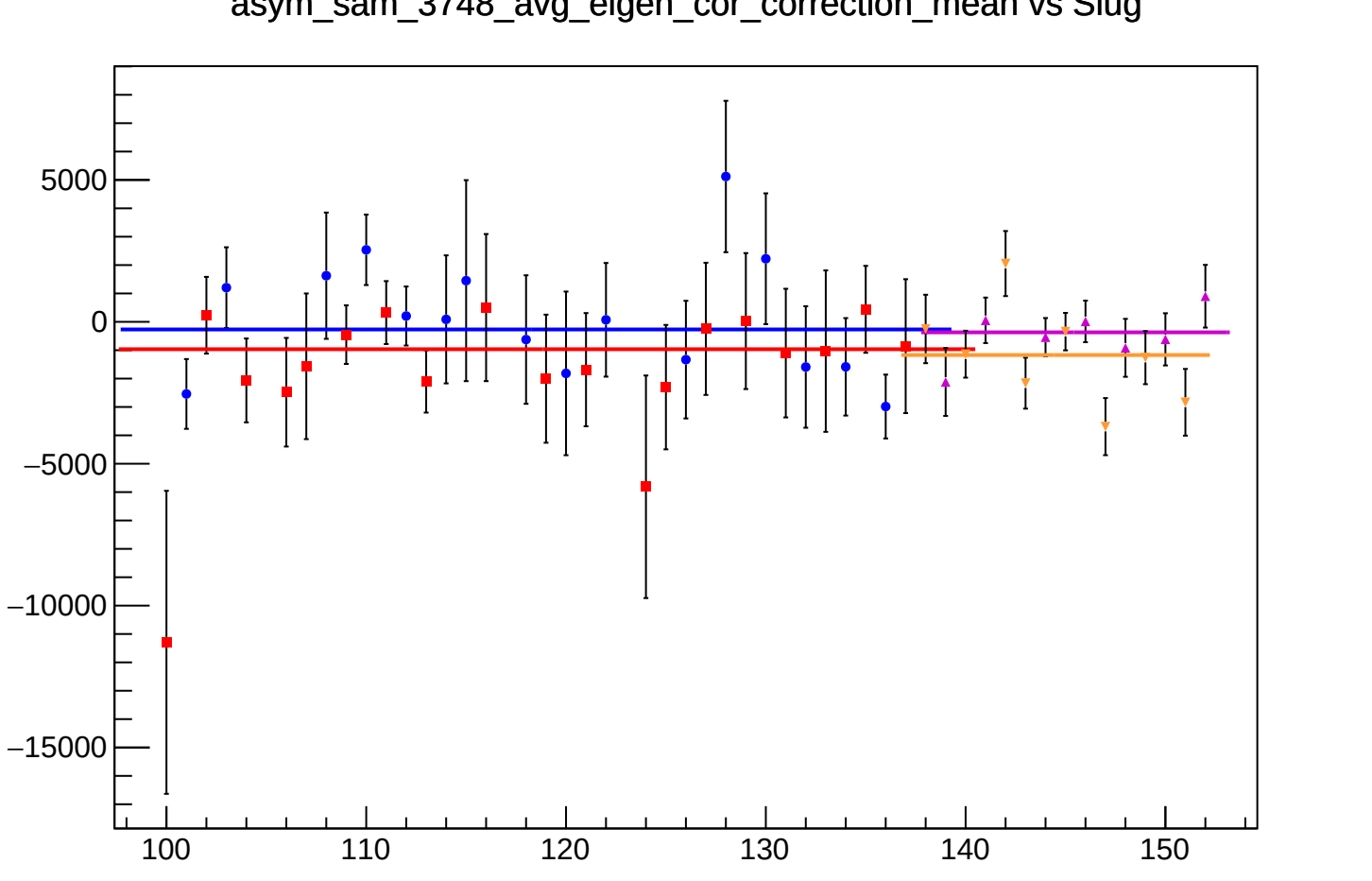
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.594+/-0.026 χ^2/NDF:159036.1/6

+ sign 90.898+/-0.018 χ^2/NDF: 795025.2/23

All: 90.049+/-0.013 χ^2/NDF: 1706465.3/49

- sign 89.234+/-0.018 χ^2/NDF: 907055.2/25



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1170.070+/-327.909 χ^2/NDF:19.6/7

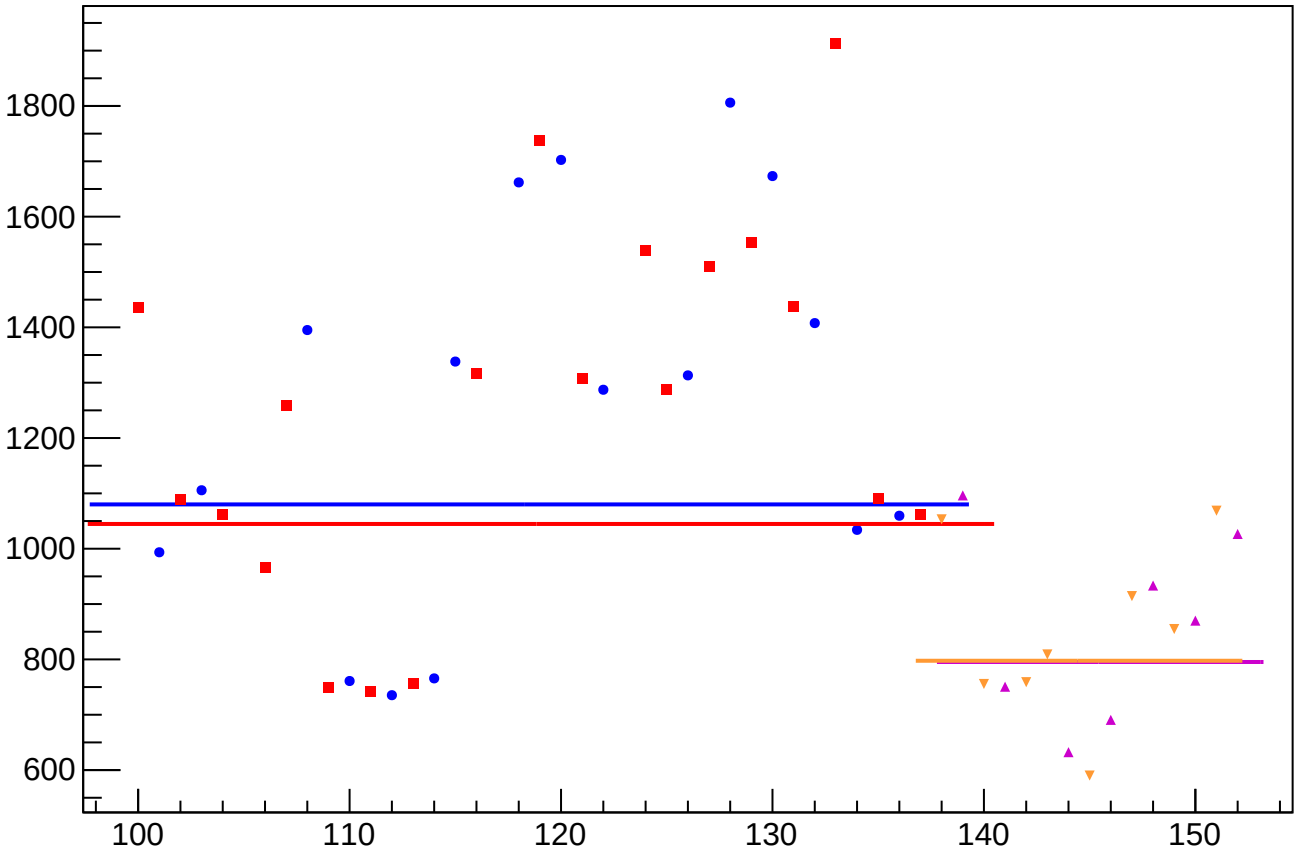
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -369.806+/-328.413 χ^2/NDF:4.4/6

+ sign -828.217+/-258.367 χ^2/NDF: 45.9/23

All: -716.486+/-181.216 χ^2/NDF: 64.1/49

- sign -608.297+/-254.239 χ^2/NDF: 17.9/25



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 797.555+/-0.232 χ^2/NDF:436115.9/7

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

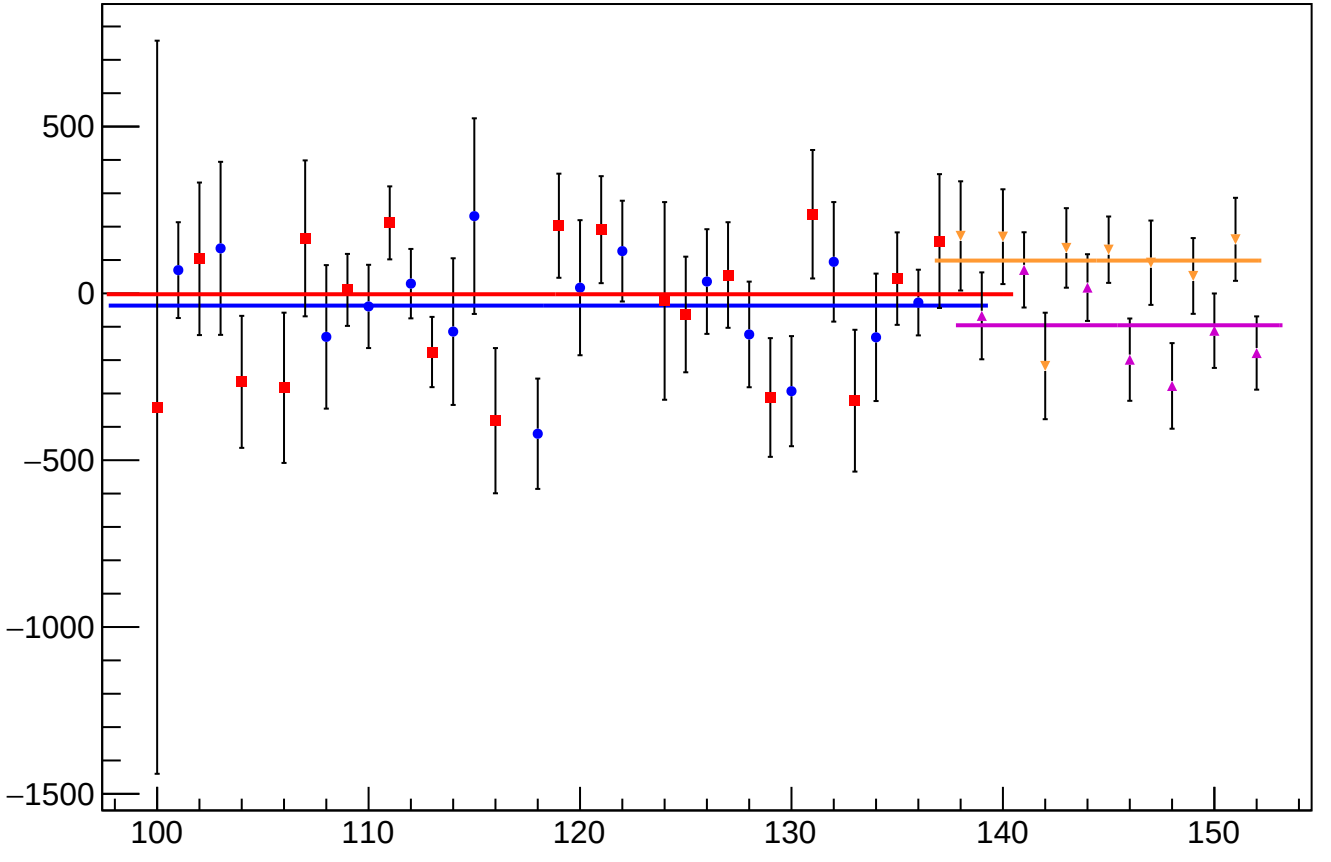
Left In: 795.306+/-0.232 χ^2/NDF:427406.8/6

+ sign 904.672+/-0.183 χ^2/NDF: 2052448.4/23

All: 899.883+/-0.128 χ^2/NDF: 4145247.6/49

- sign 895.246+/-0.180 χ^2/NDF: 2091446.7/25

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 98.357+/-44.617 χ^2/NDF:5.0/7

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

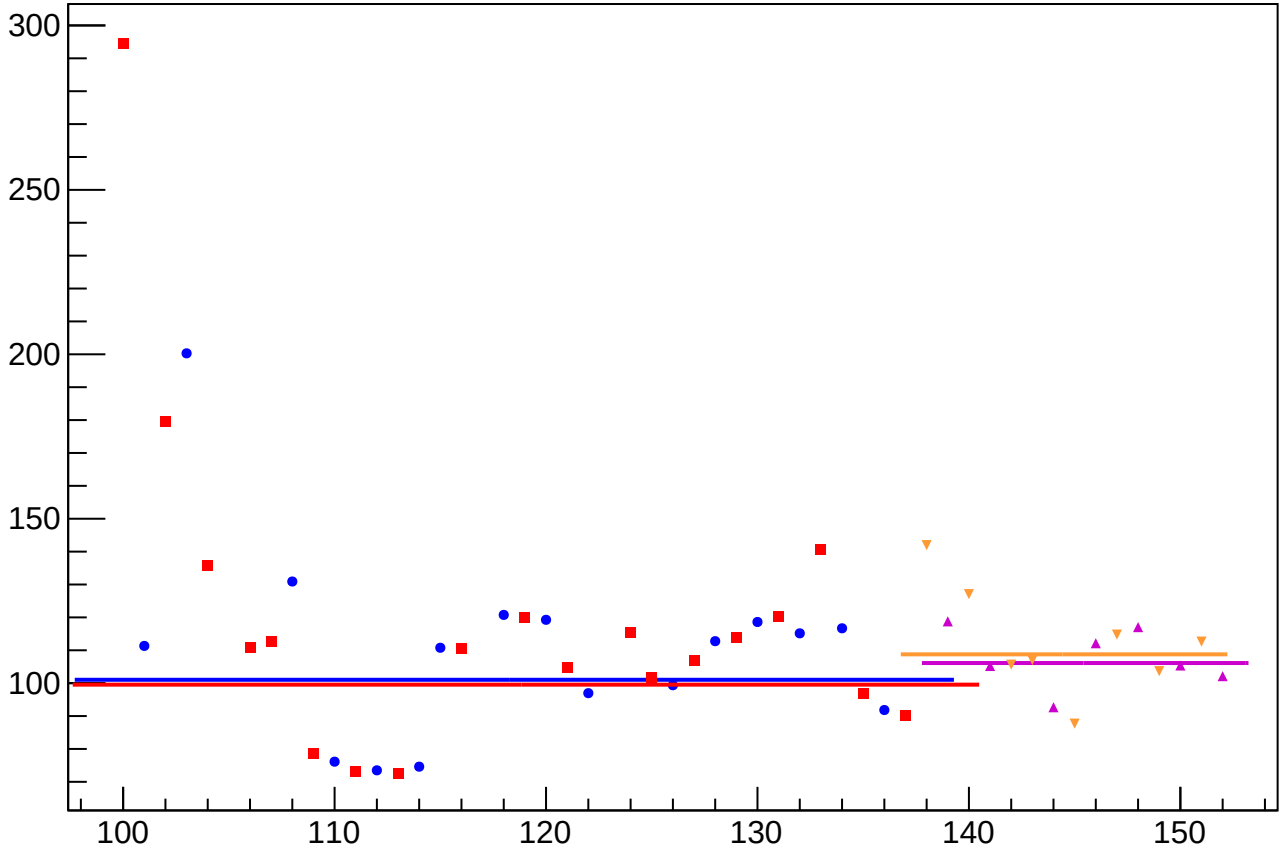
Left In: -95.557+/-43.546 χ^2/NDF:6.8/6

+ sign 21.843+/-29.360 χ^2/NDF: 23.1/23

All: -11.296+/-20.524 χ^2/NDF: 59.7/49

- sign -42.965+/-28.701 χ^2/NDF: 34.1/25

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 108.766+/-0.032 χ^2/NDF:216987.9/7

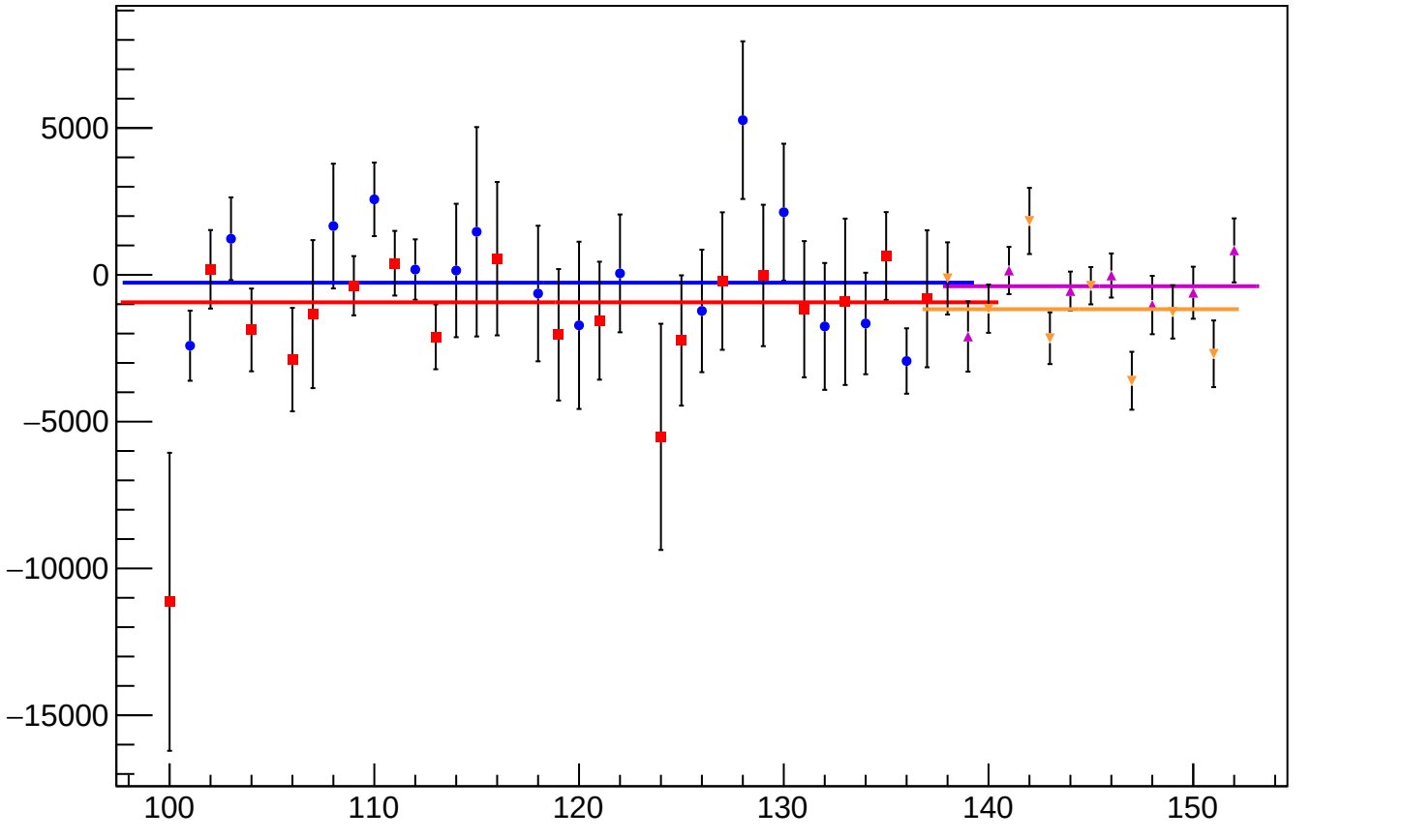
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 106.123+/-0.031 χ^2/NDF:77215.9/6

+ sign 104.381+/-0.021 χ^2/NDF: 967168.0/23

All: 103.370+/-0.015 χ^2/NDF: 1955311.2/49

- sign 102.404+/-0.020 χ^2/NDF: 983506.9/25



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1170.474+/-320.554 χ^2/NDF:18.6/7

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

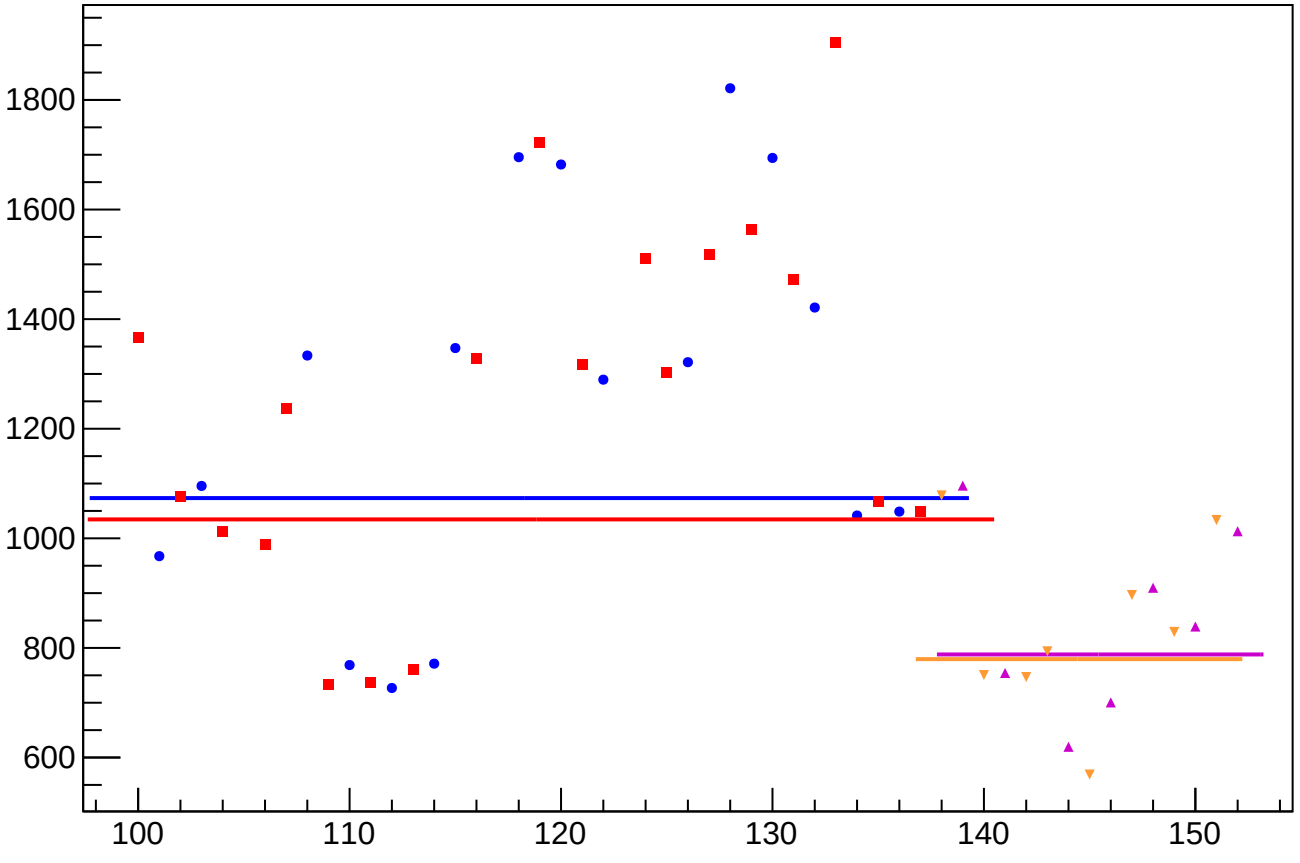
Left In: -388.733+/-325.657 χ^2/NDF:4.5/6

+ sign -835.284+/-254.156 χ^2/NDF: 45.0/23

All: -721.328+/-178.801 χ^2/NDF: 64.2/49

- sign -609.664+/-251.588 χ^2/NDF: 18.8/25

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 779.528+/-0.227 χ^2/NDF:477546.0/7

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

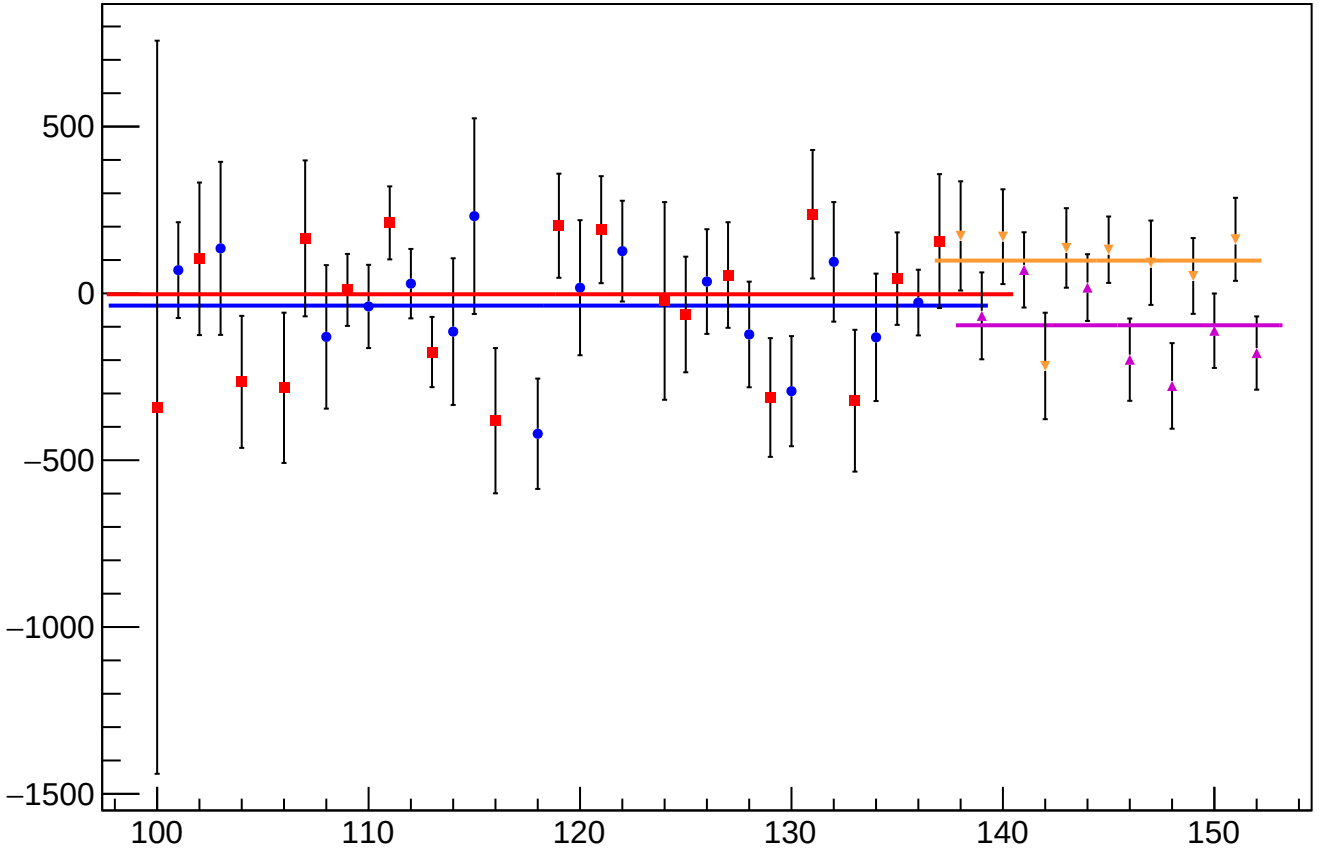
Left In: 788.085+/-0.230 χ^2/NDF:414837.8/6

+ sign 888.683+/-0.180 χ^2/NDF: 2179066.2/23

All: 888.057+/-0.126 χ^2/NDF: 4285059.8/49

- sign 887.443+/-0.178 χ^2/NDF: 2105969.6/25

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 98.357+/-44.617 χ^2/NDF:5.0/7

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

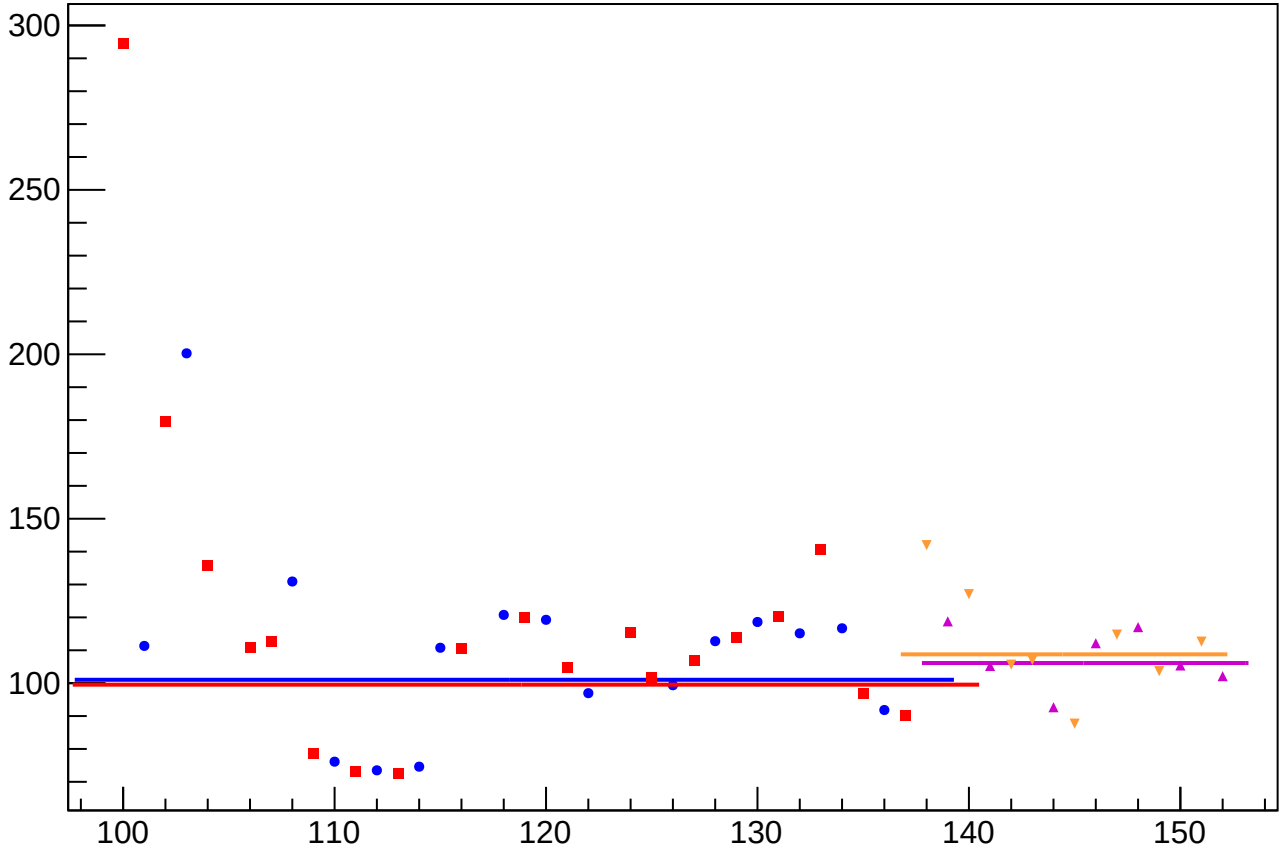
Left In: -95.558+/-43.546 χ^2/NDF:6.8/6

+ sign 21.843+/-29.360 χ^2/NDF: 23.1/23

All: -11.295+/-20.524 χ^2/NDF: 59.7/49

- sign -42.965+/-28.702 χ^2/NDF: 34.1/25

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 108.767+/-0.032 χ^2/NDF:216980.7/7

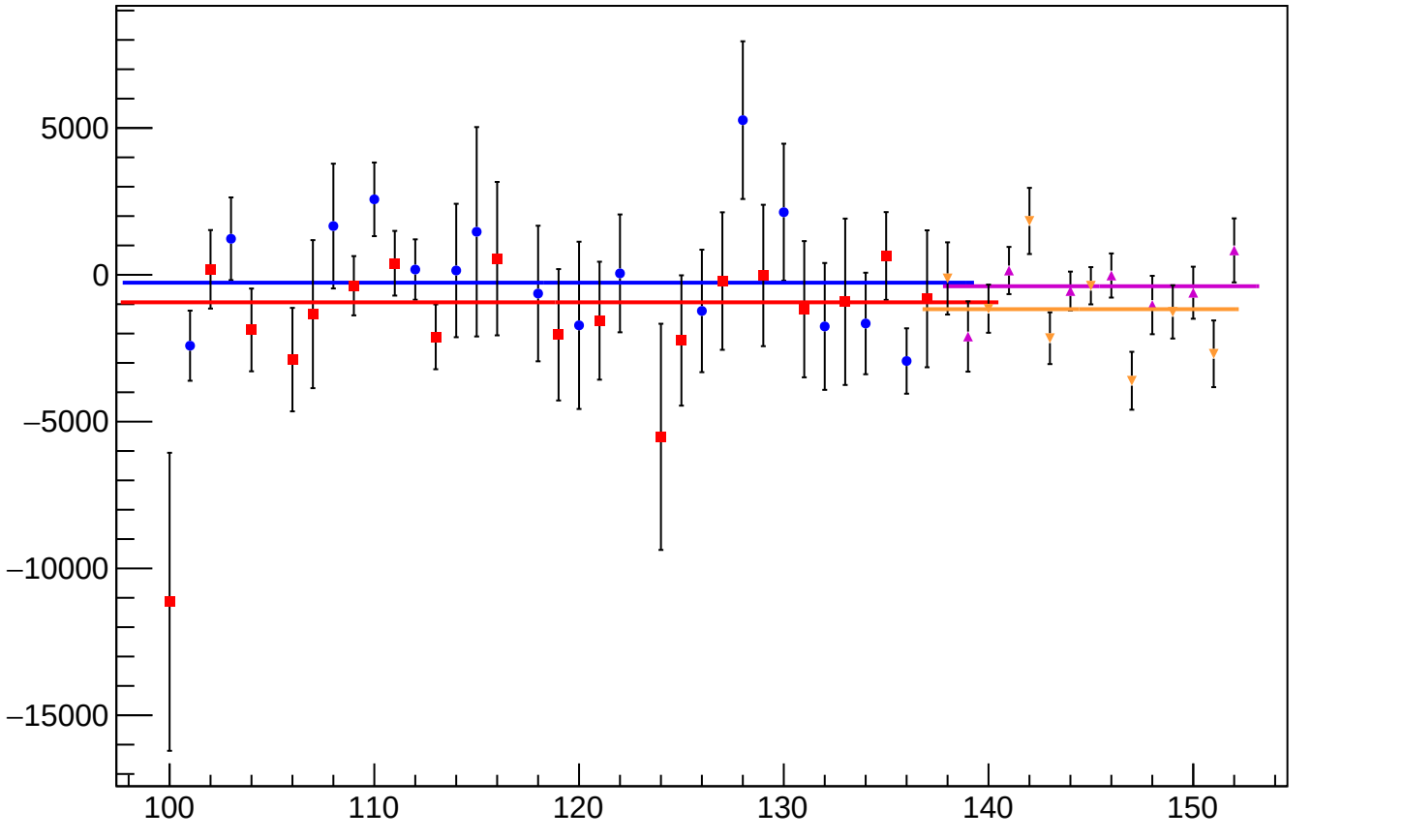
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 106.123+/-0.031 χ^2/NDF:77213.0/6

+ sign 104.381+/-0.021 χ^2/NDF: 967162.6/23

All: 103.370+/-0.015 χ^2/NDF: 1955307.3/49

- sign 102.404+/-0.020 χ^2/NDF: 983508.3/25



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1170.474+/-320.554 χ^2/NDF:18.6/7

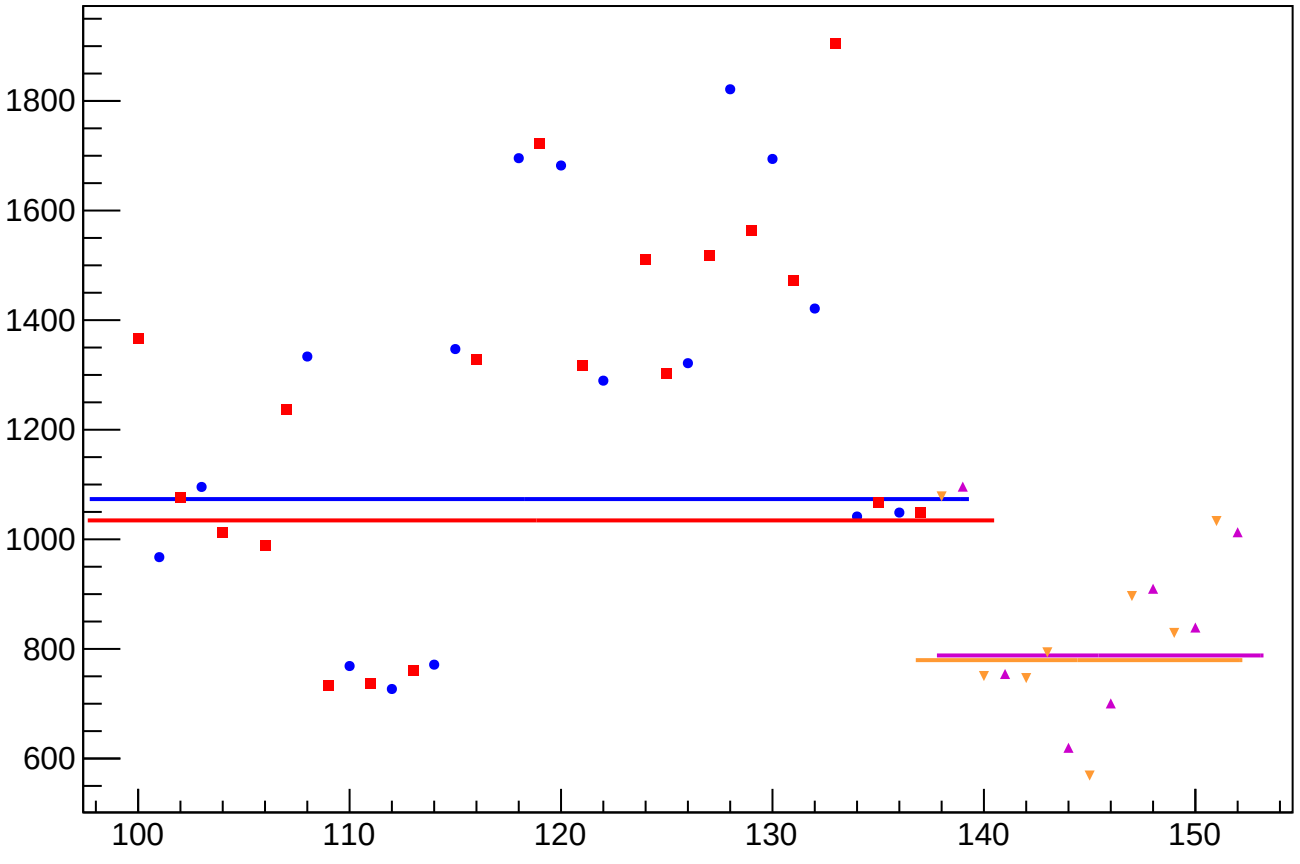
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -388.732+/-325.657 χ^2/NDF:4.5/6

+ sign -835.283+/-254.156 χ^2/NDF: 45.0/23

All: -721.328+/-178.800 χ^2/NDF: 64.2/49

- sign -609.663+/-251.588 χ^2/NDF: 18.8/25



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 779.527+/-0.227 χ^2/NDF:477549.5/7

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

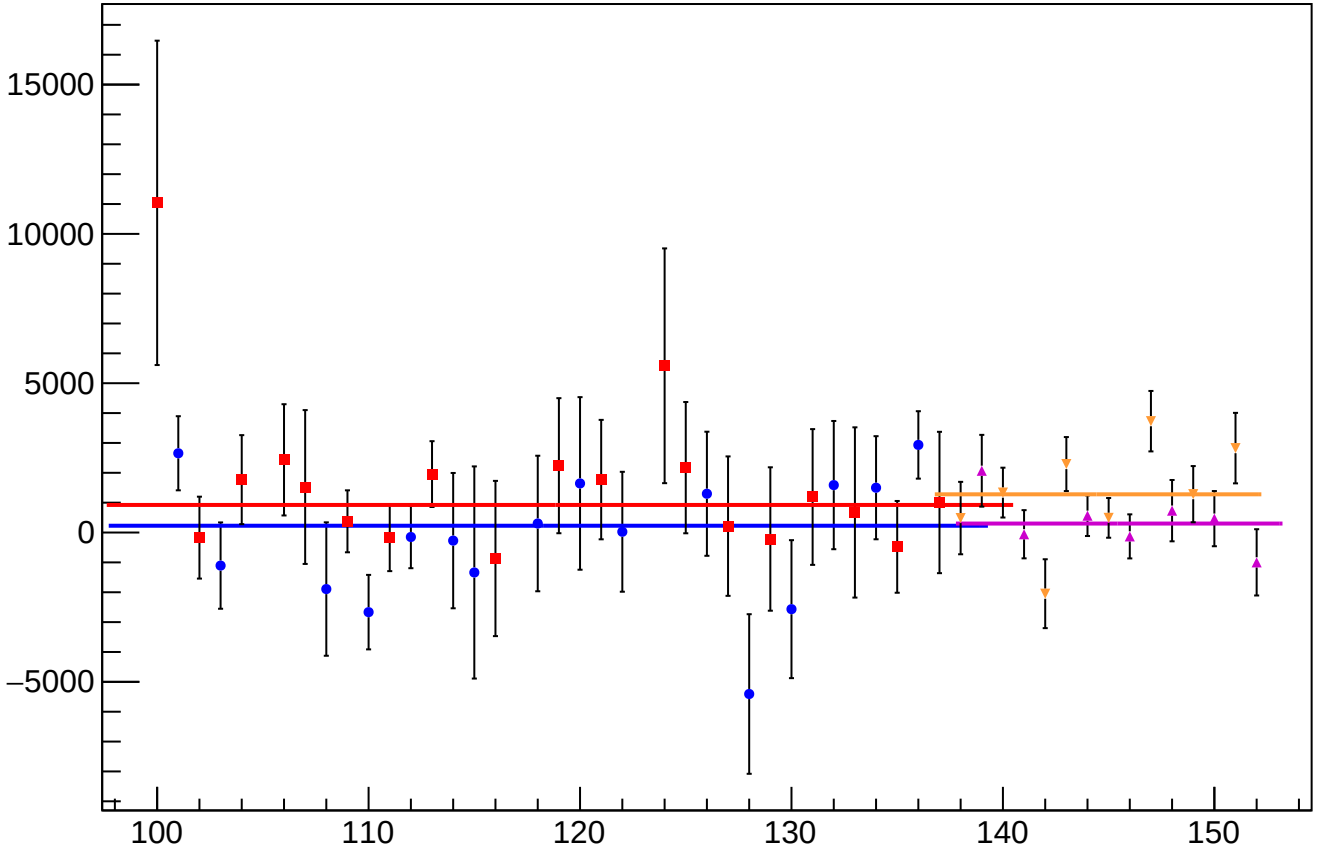
Left In: 788.084+/-0.230 χ^2/NDF:414837.8/6

+ sign 888.681+/-0.180 χ^2/NDF: 2179074.1/23

All: 888.056+/-0.126 χ^2/NDF: 4285067.8/49

- sign 887.442+/-0.178 χ^2/NDF: 2105969.7/25

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1279.593+/-330.093 χ^2/NDF:19.0/7

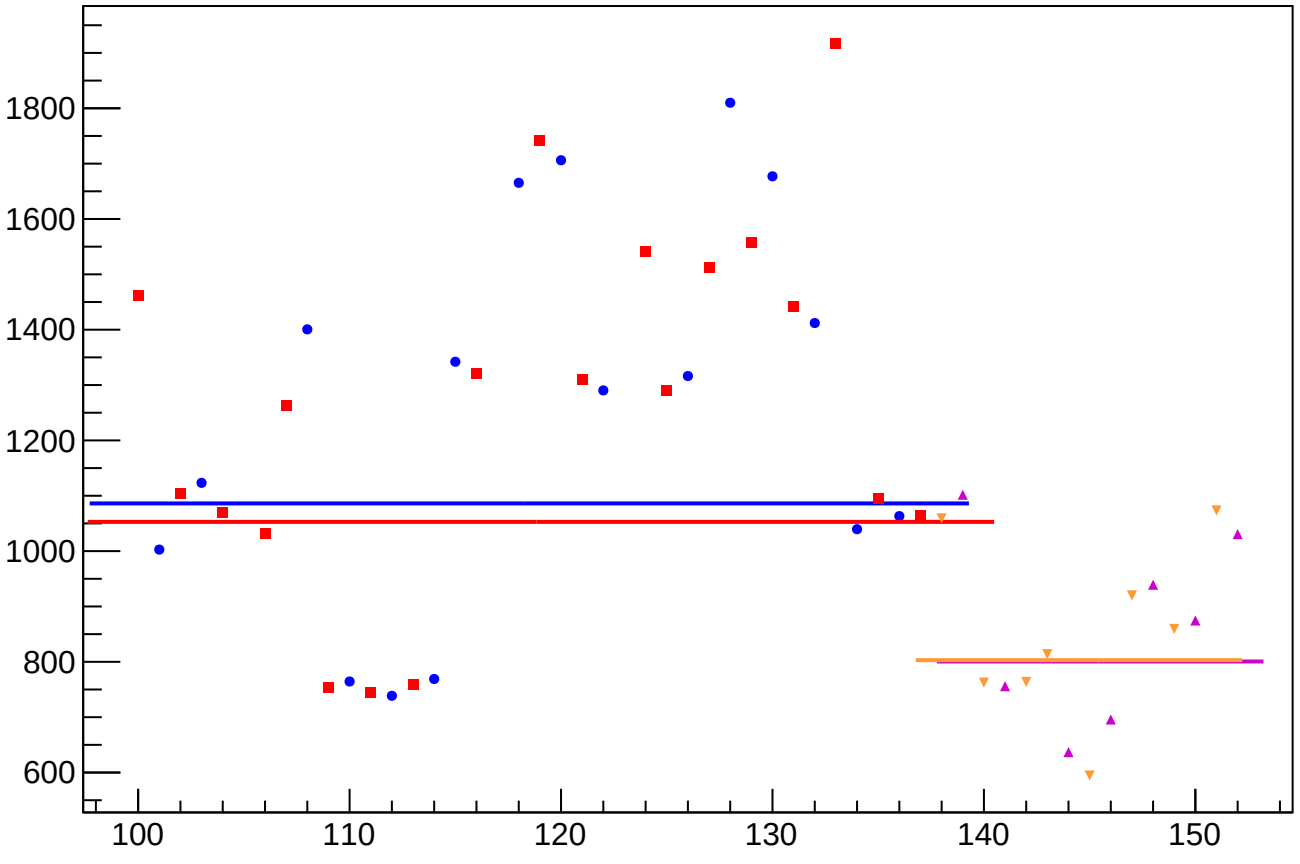
Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: 300.604+/-330.520 χ^2/NDF:4.4/6

+ sign 880.033+/-259.962 χ^2/NDF: 47.3/23

All: 712.767+/-182.255 χ^2/NDF: 65.2/49

- sign 551.082+/-255.588 χ^2/NDF: 17.0/25



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 803.011+/-0.233 χ^2/NDF:432120.3/7

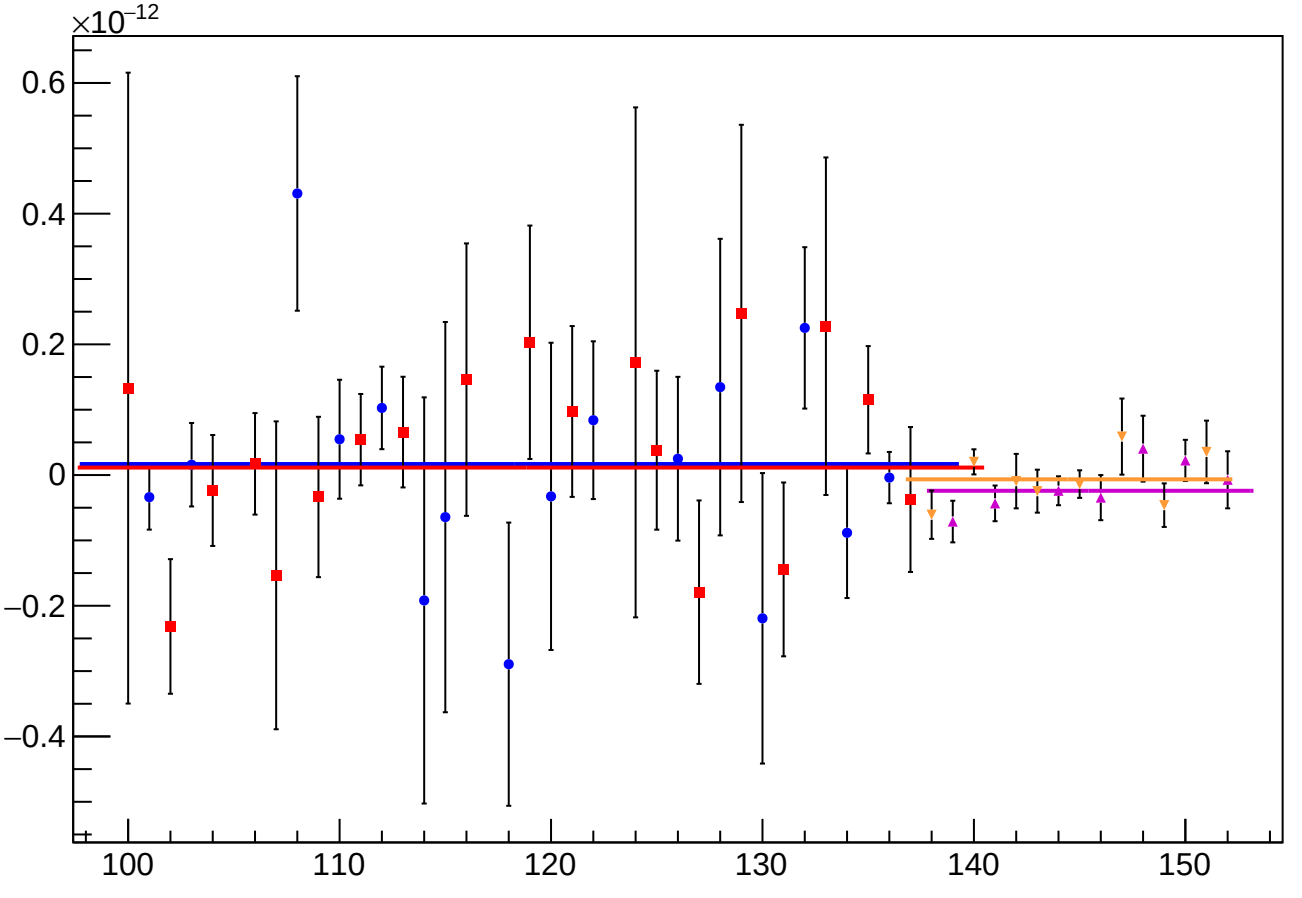
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 800.574+/-0.234 χ^2/NDF:423059.3/6

+ sign 910.536+/-0.184 χ^2/NDF: 2038387.6/23

All: 906.189+/-0.129 χ^2/NDF: 4125317.0/49

- sign 901.987+/-0.181 χ^2/NDF: 2085829.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/7

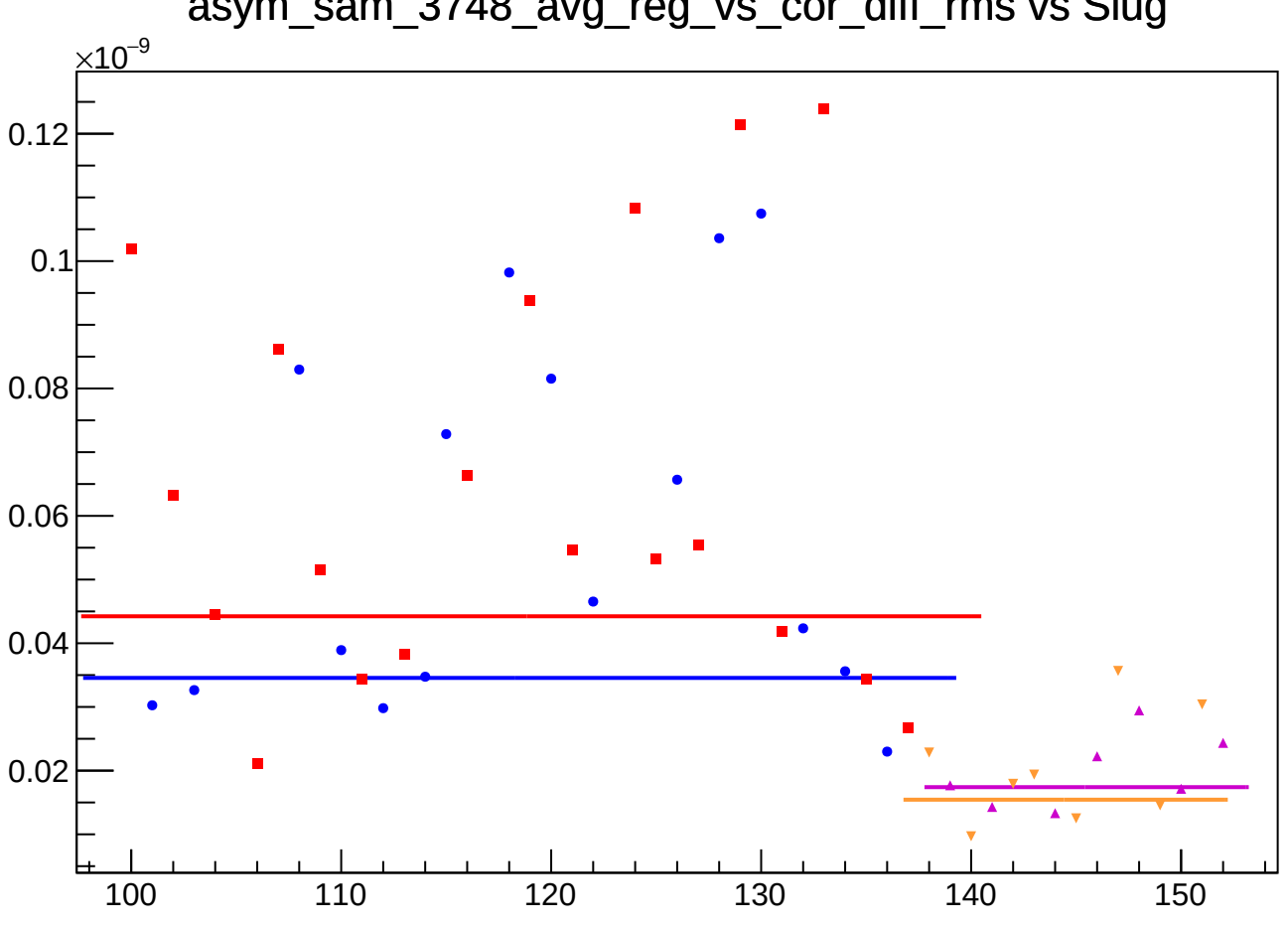
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/6

\+ sign -0.000+/-0.000 χ^2/NDF: 25.8/23

All: -0.000+/-0.000 χ^2/NDF: 51.1/49

\- sign -0.000+/-0.000 χ^2/NDF: 24.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:771437.9/7

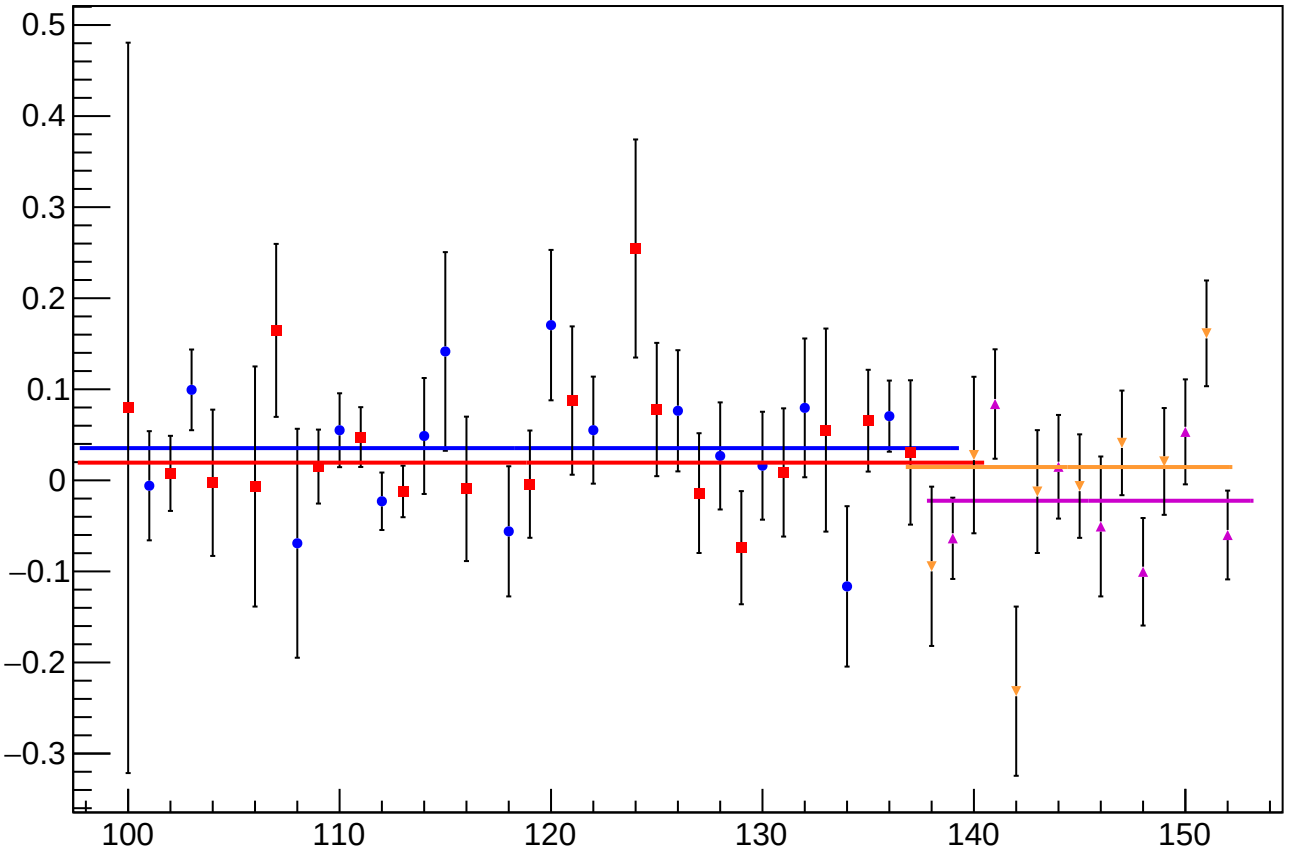
Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:298666.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 3200284.1/23

All: 0.000+/-0.000 χ^2/NDF: 6306069.7/49

- sign 0.000+/-0.000 χ^2/NDF: 3038745.2/25



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.024 χ^2/NDF:15.5/7

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

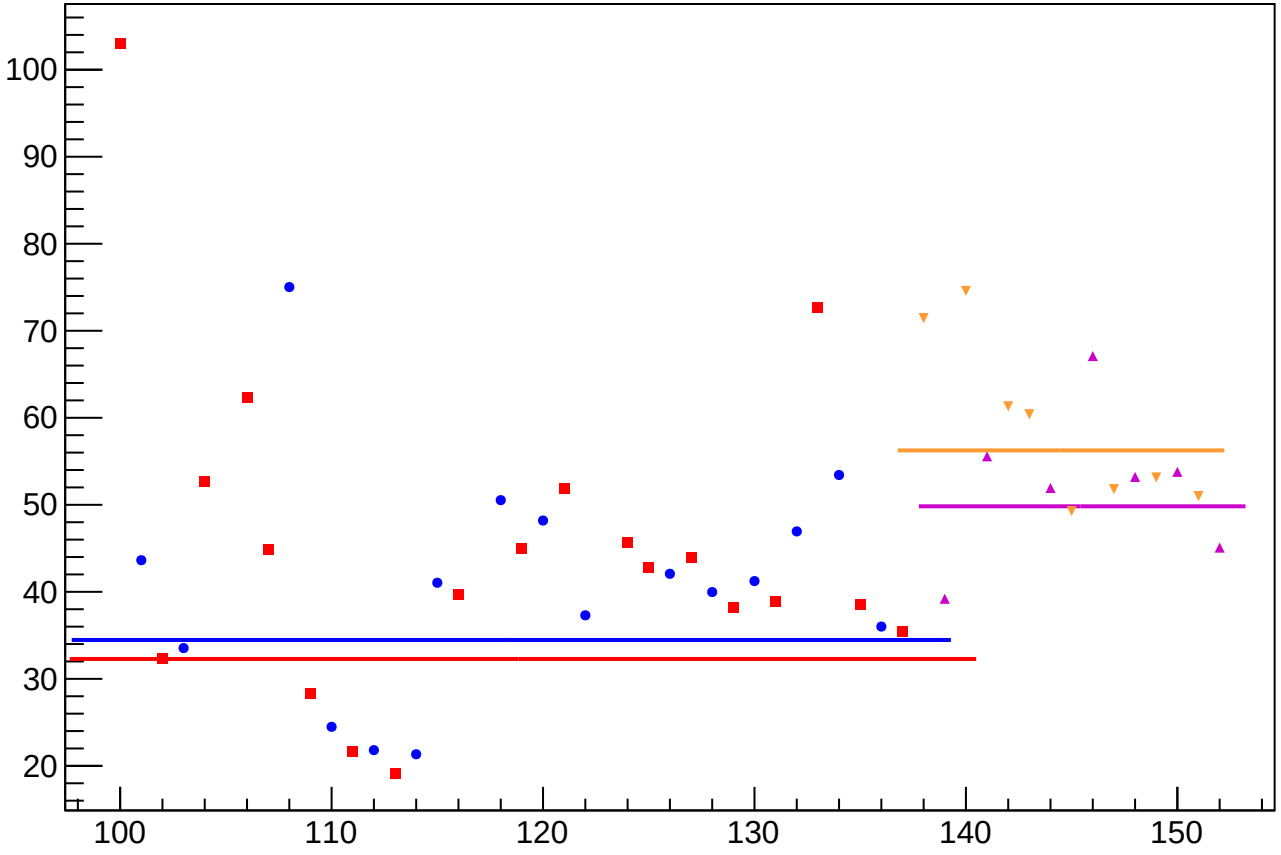
Left In: -0.022+/-0.021 χ^2/NDF:8.6/6

+ sign 0.030+/-0.012 χ^2/NDF: 33.0/23

All: 0.018+/-0.008 χ^2/NDF: 59.7/49

- sign 0.008+/-0.011 χ^2/NDF: 24.8/25

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: 56.254+/-0.017 χ^2/NDF:228816.0/7

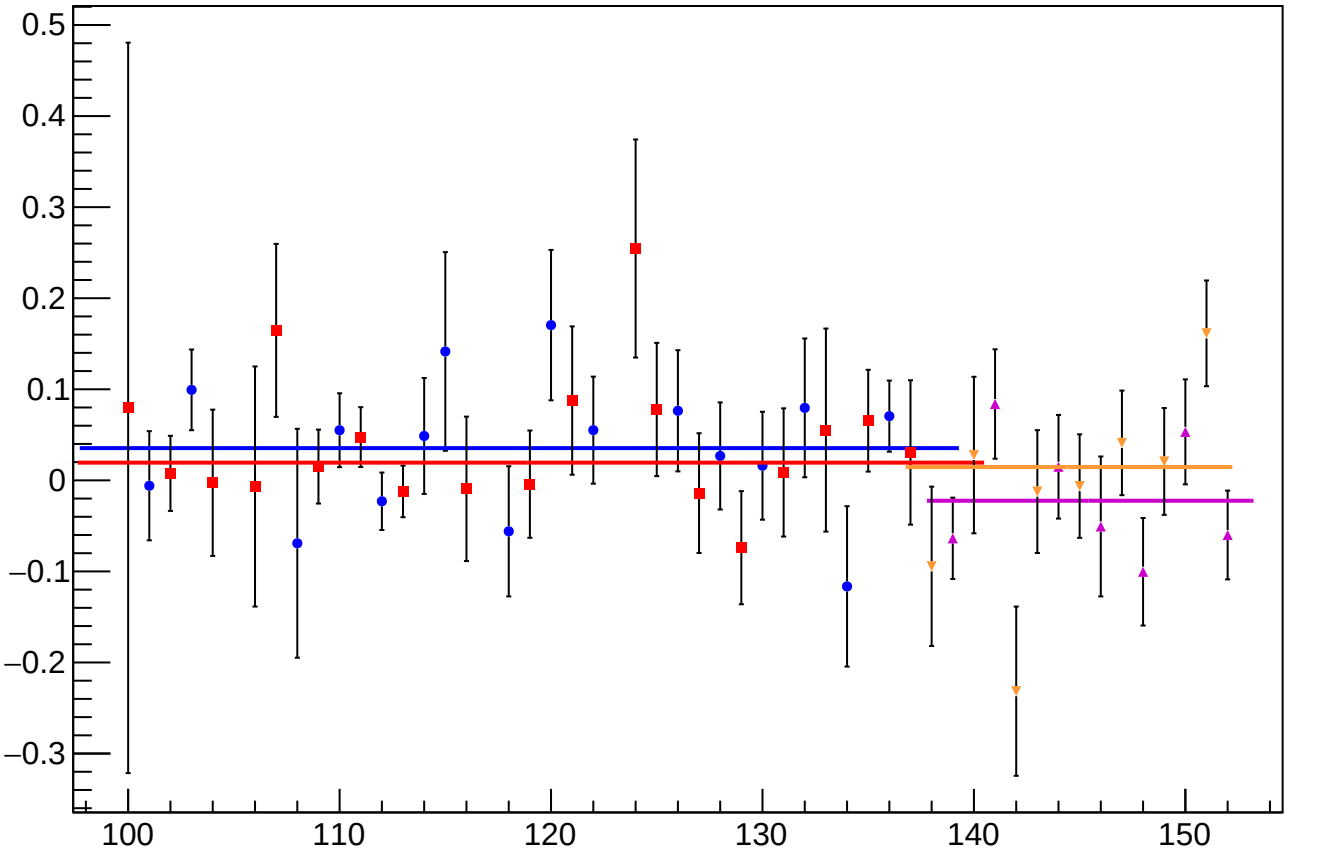
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.829+/-0.015 χ^2/NDF:270315.9/6

+ sign 40.089+/-0.008 χ^2/NDF: 2669196.4/23

All: 38.545+/-0.006 χ^2/NDF: 5677576.2/49

- sign 37.209+/-0.008 χ^2/NDF: 2946283.9/25



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.024 χ^2/NDF:15.5/7

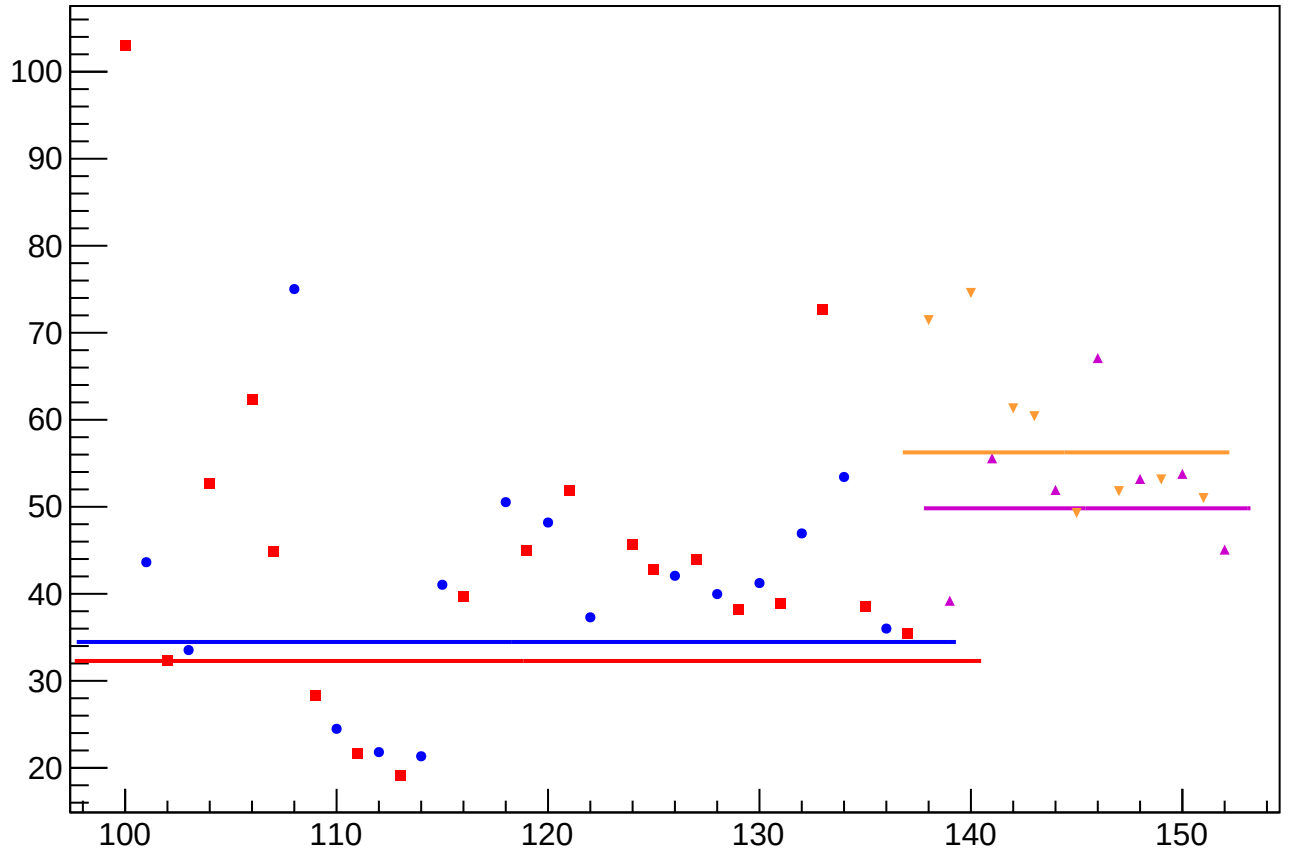
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.022+/-0.021 χ^2/NDF:8.6/6

+ sign 0.030+/-0.012 χ^2/NDF: 33.0/23

All: 0.018+/-0.008 χ^2/NDF: 59.7/49

- sign 0.008+/-0.011 χ^2/NDF: 24.8/25



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 56.254+/-0.017 χ^2/NDF:228816.0/7

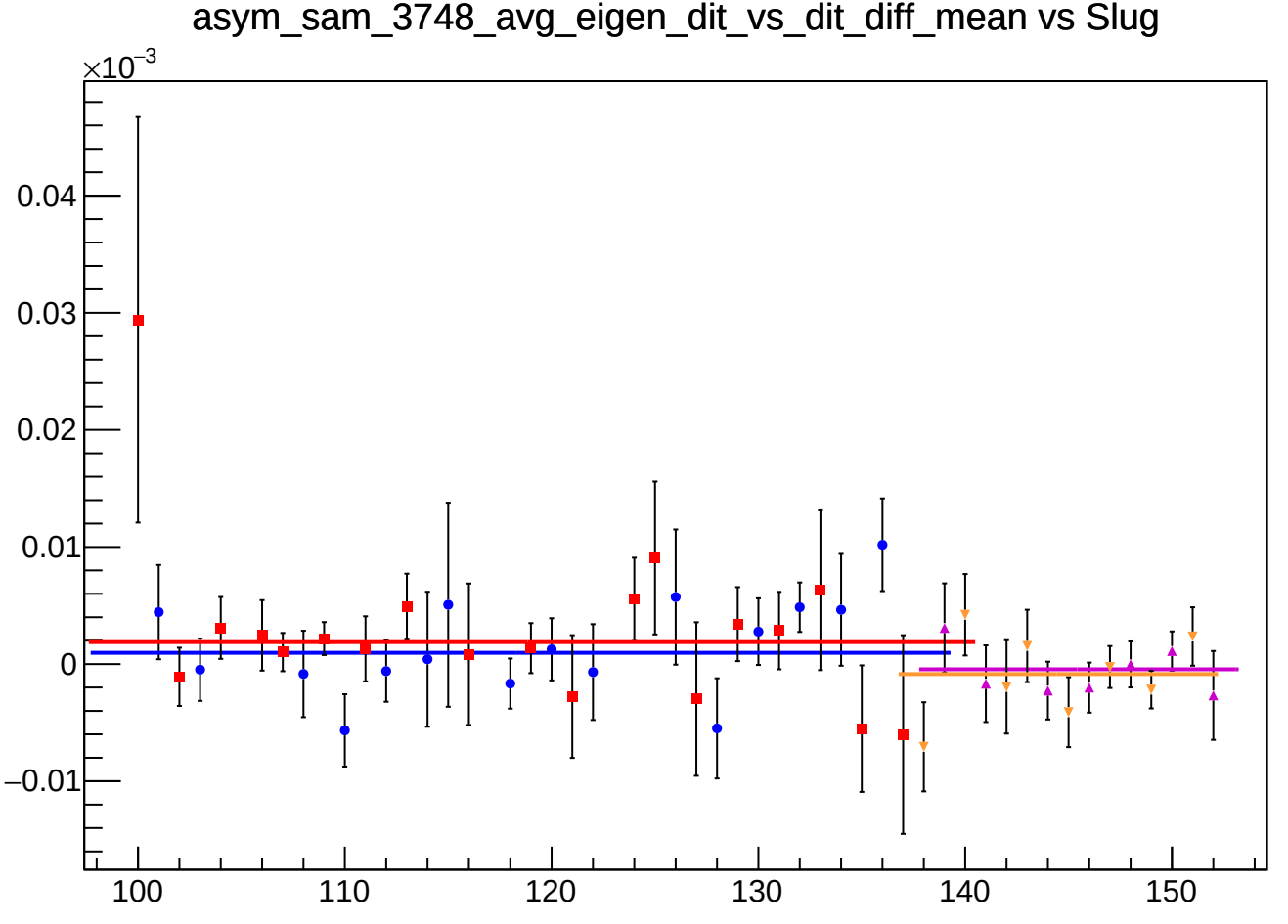
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.829+/-0.015 χ^2/NDF:270315.9/6

+ sign 40.089+/-0.008 χ^2/NDF: 2669196.4/23

All: 38.545+/-0.006 χ^2/NDF: 5677576.2/49

- sign 37.209+/-0.008 χ^2/NDF: 2946283.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/7

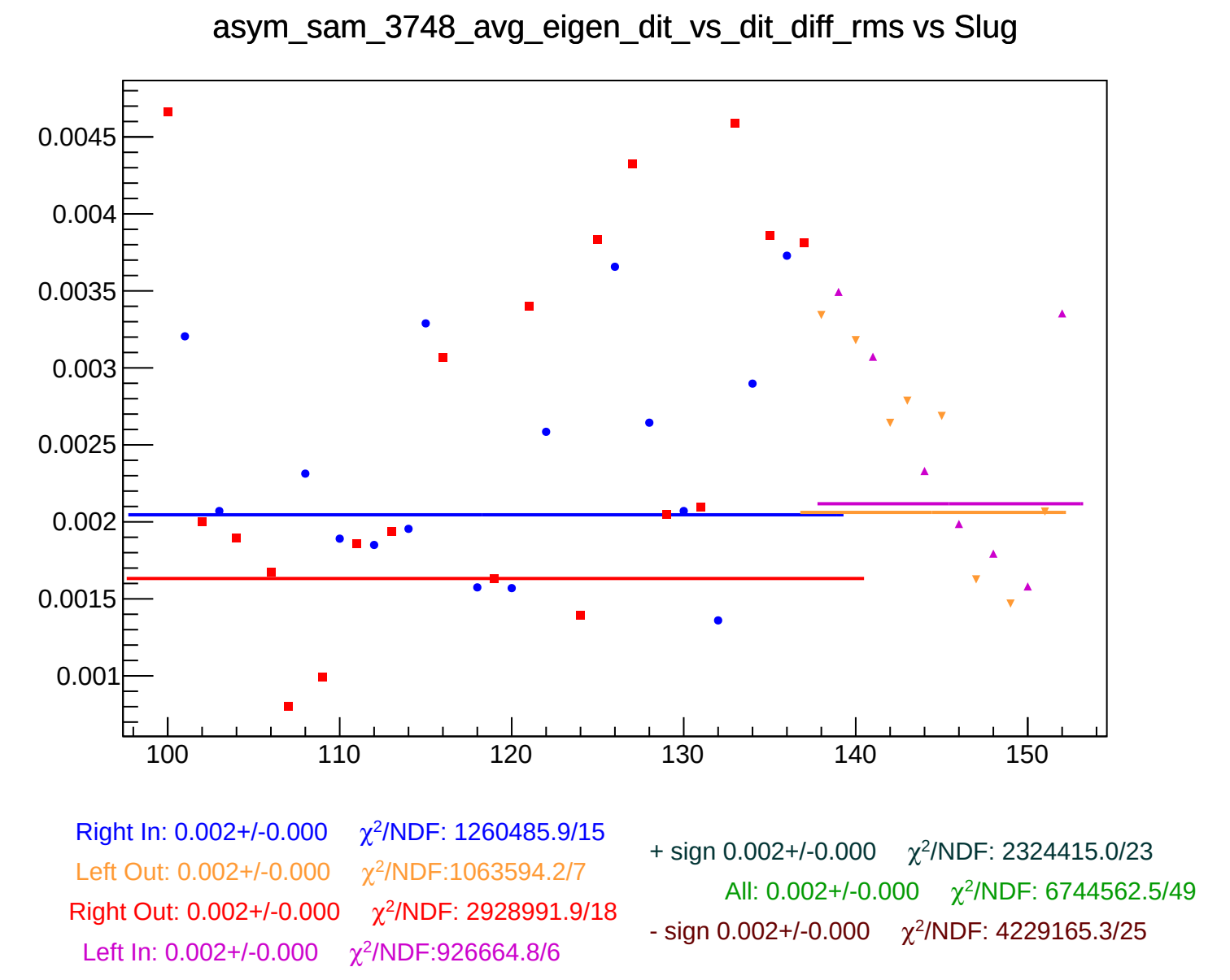
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

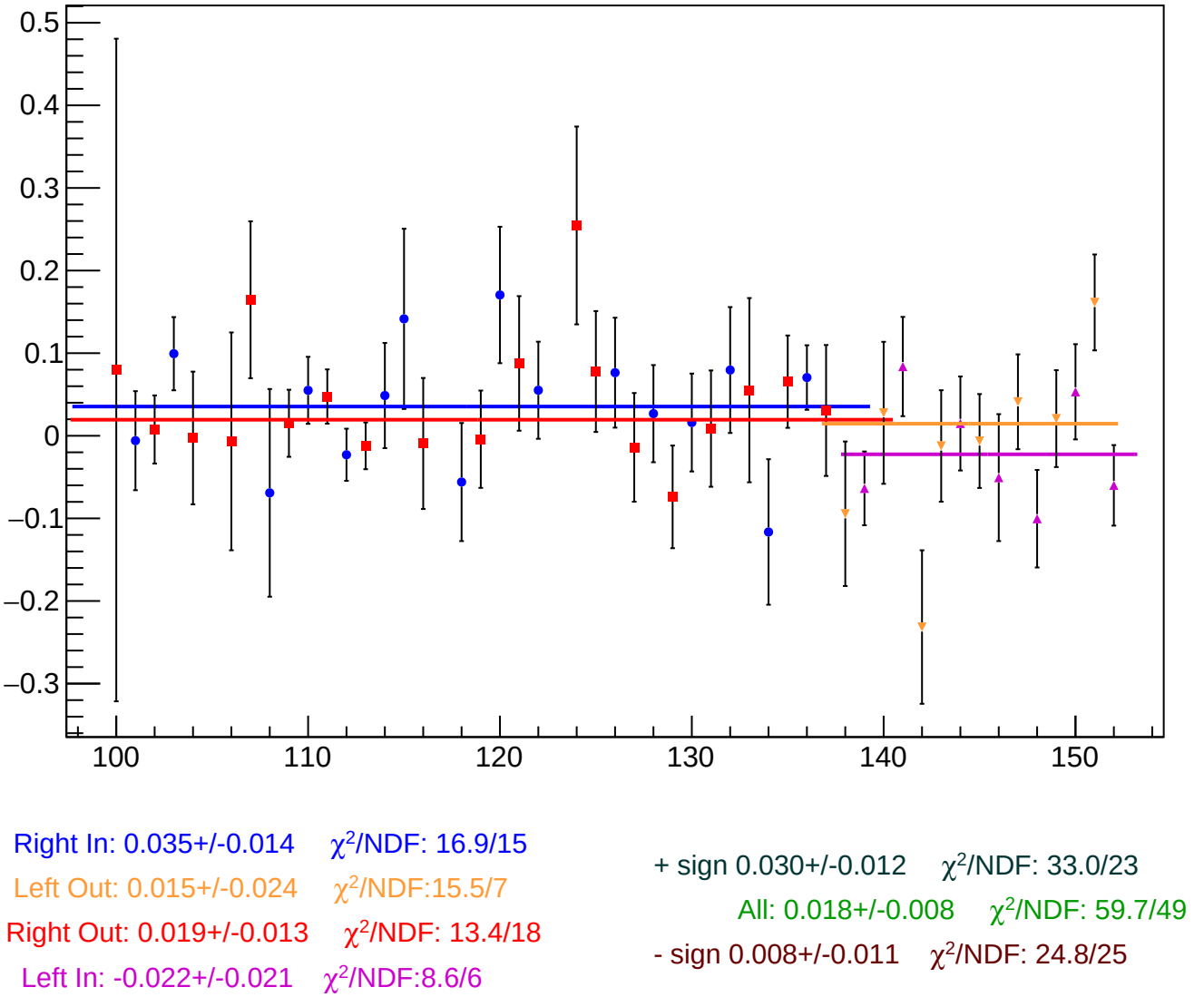
Left In: -0.000+/-0.000 χ^2/NDF:3.3/6

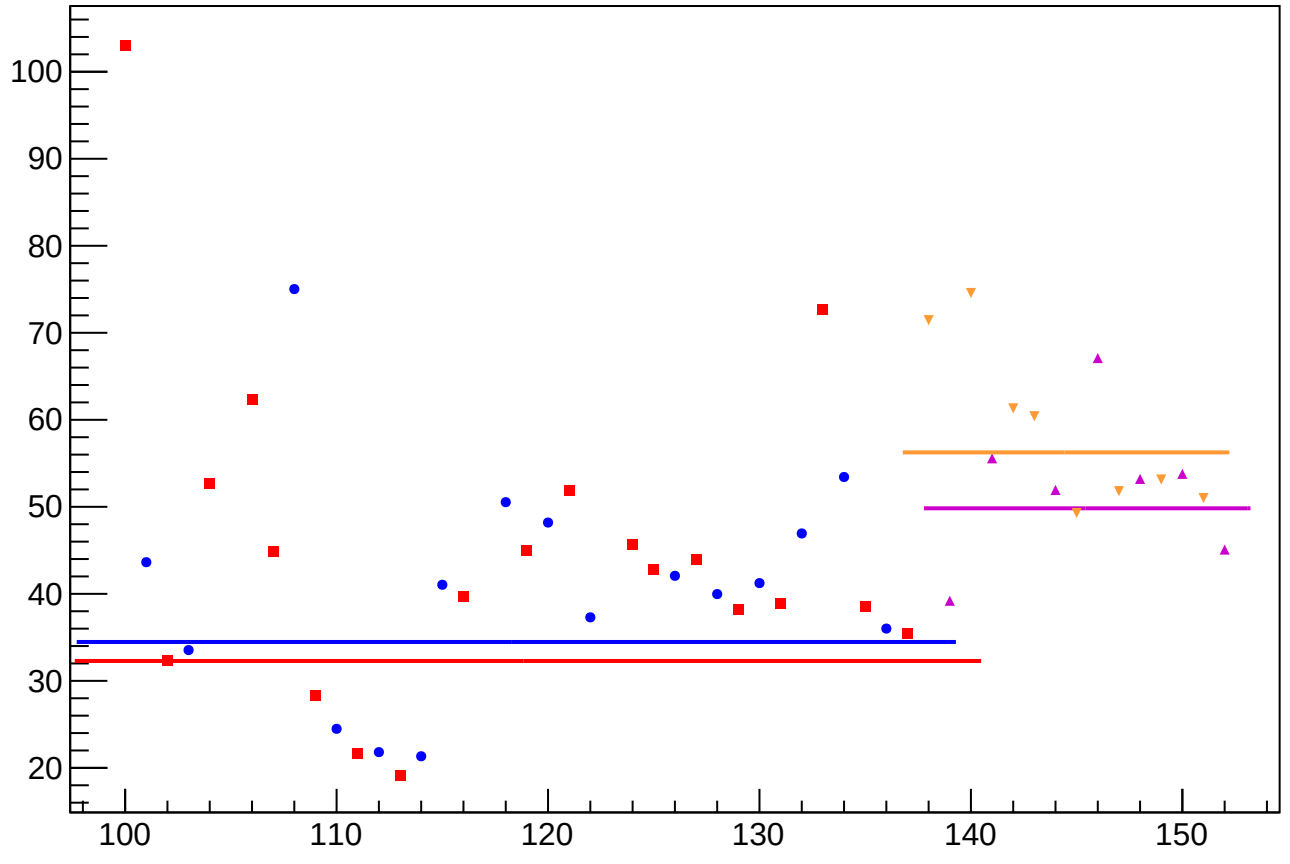
+ sign 0.000+/-0.000 χ^2/NDF: 32.3/23

All: 0.000+/-0.000 χ^2/NDF: 54.1/49

- sign 0.000+/-0.000 χ^2/NDF: 20.5/25


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:1063594.2/7
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:926664.8/6
+ sign 0.002+/-0.000 χ²/NDF: 2324415.0/23
All: 0.002+/-0.000 χ²/NDF: 6744562.5/49
- sign 0.002+/-0.000 χ²/NDF: 4229165.3/25


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.015+/-0.024 χ²/NDF:15.5/7
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.022+/-0.021 χ²/NDF:8.6/6
+ sign 0.030+/-0.012 χ²/NDF: 33.0/23
All: 0.018+/-0.008 χ²/NDF: 59.7/49
- sign 0.008+/-0.011 χ²/NDF: 24.8/25



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 56.255+/-0.017 χ^2/NDF:228795.7/7

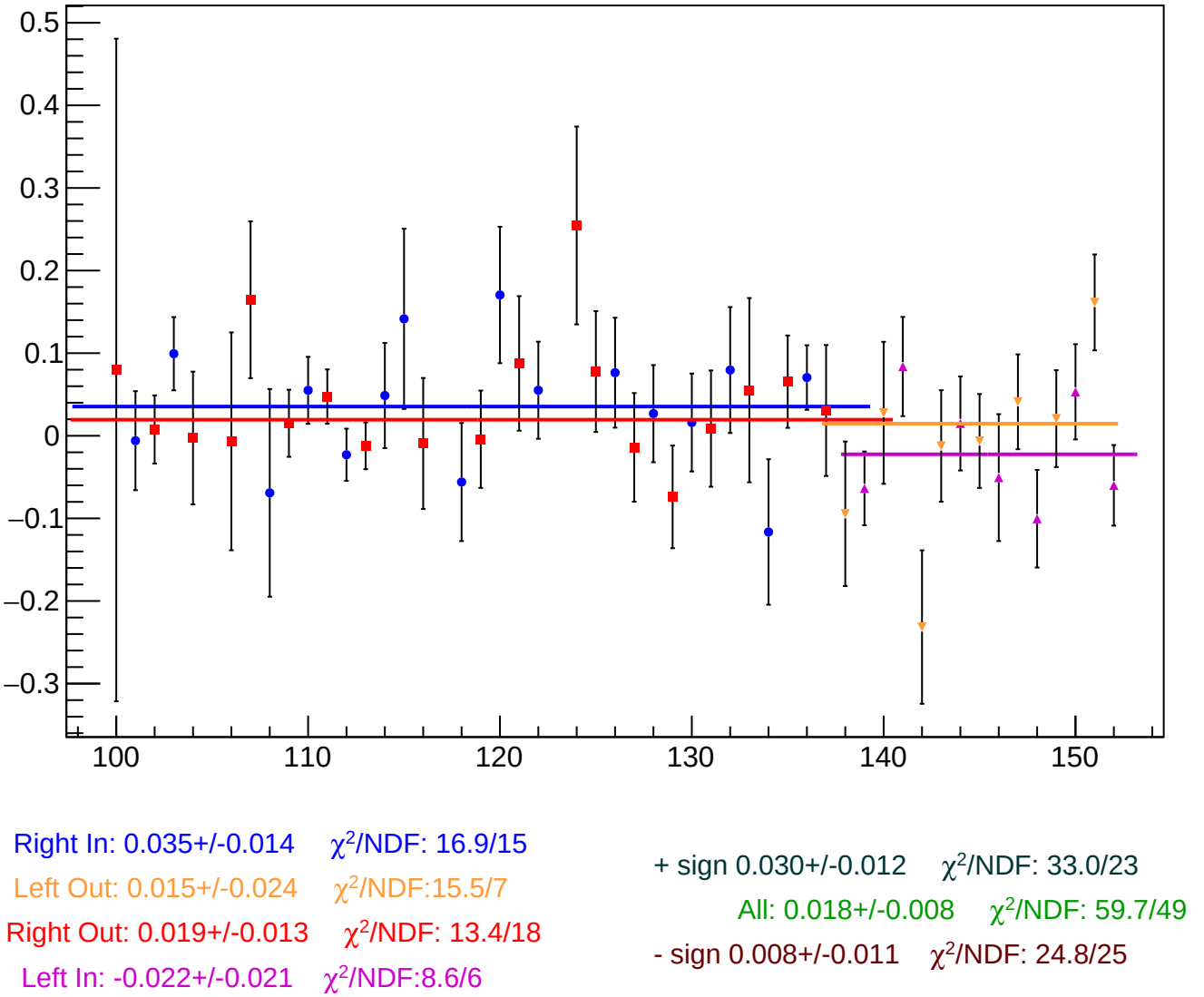
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

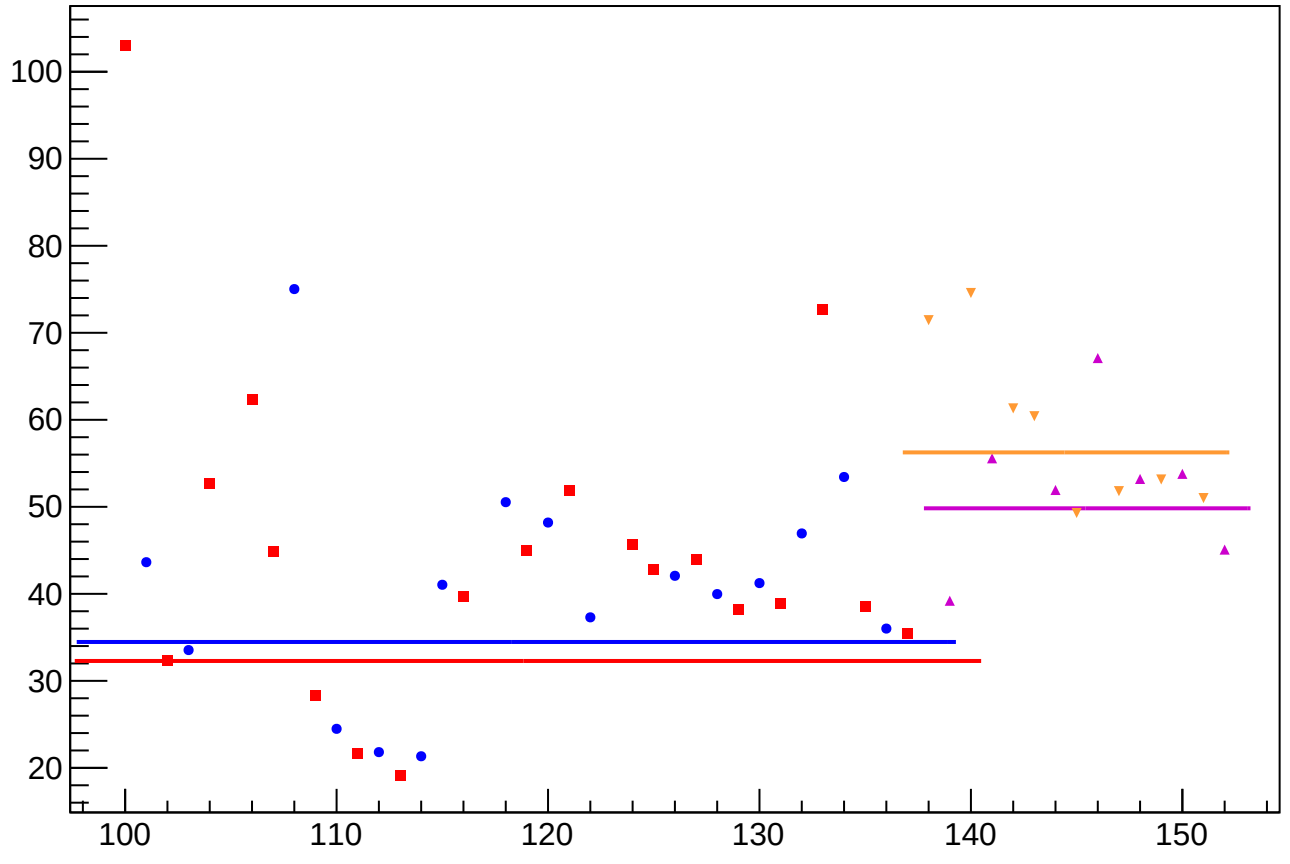
Left In: 49.829+/-0.015 χ^2/NDF:270325.6/6

+ sign 40.089+/-0.008 χ^2/NDF: 2669167.9/23

All: 38.545+/-0.006 χ^2/NDF: 5677532.9/49

- sign 37.210+/-0.008 χ^2/NDF: 2946269.5/25


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.015+/-0.024 χ²/NDF:15.5/7
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.022+/-0.021 χ²/NDF:8.6/6
+ sign 0.030+/-0.012 χ²/NDF: 33.0/23
All: 0.018+/-0.008 χ²/NDF: 59.7/49
- sign 0.008+/-0.011 χ²/NDF: 24.8/25



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 56.255+/-0.017 χ^2/NDF:228795.7/7

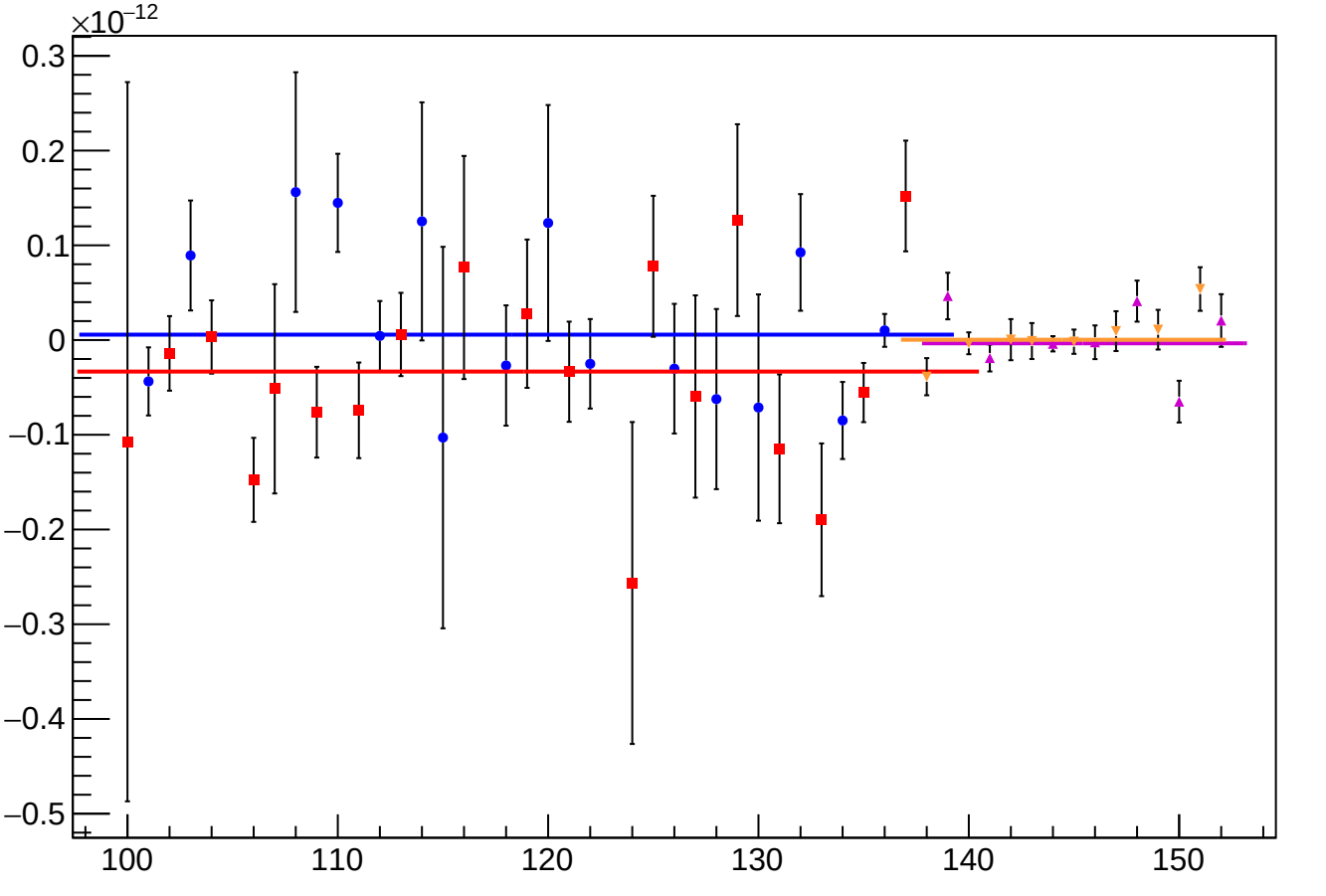
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 49.829+/-0.015 χ^2/NDF:270325.6/6

+ sign 40.089+/-0.008 χ^2/NDF: 2669167.9/23

All: 38.545+/-0.006 χ^2/NDF: 5677532.9/49

- sign 37.210+/-0.008 χ^2/NDF: 2946269.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/7

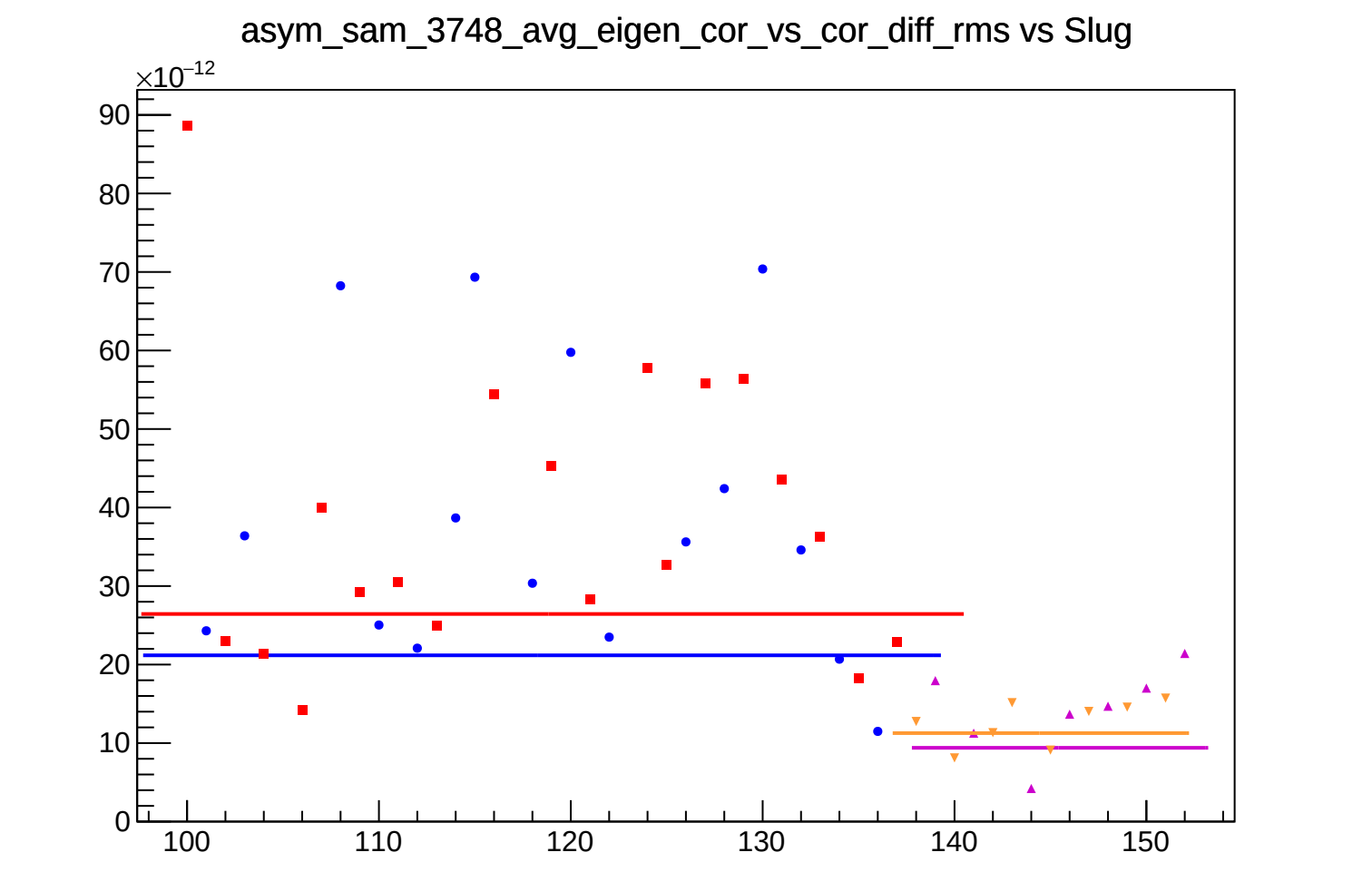
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:18.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 33.7/23

All: -0.000+/-0.000 χ^2/NDF: 91.4/49

- sign -0.000+/-0.000 χ^2/NDF: 56.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:460700.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1217987.6/18

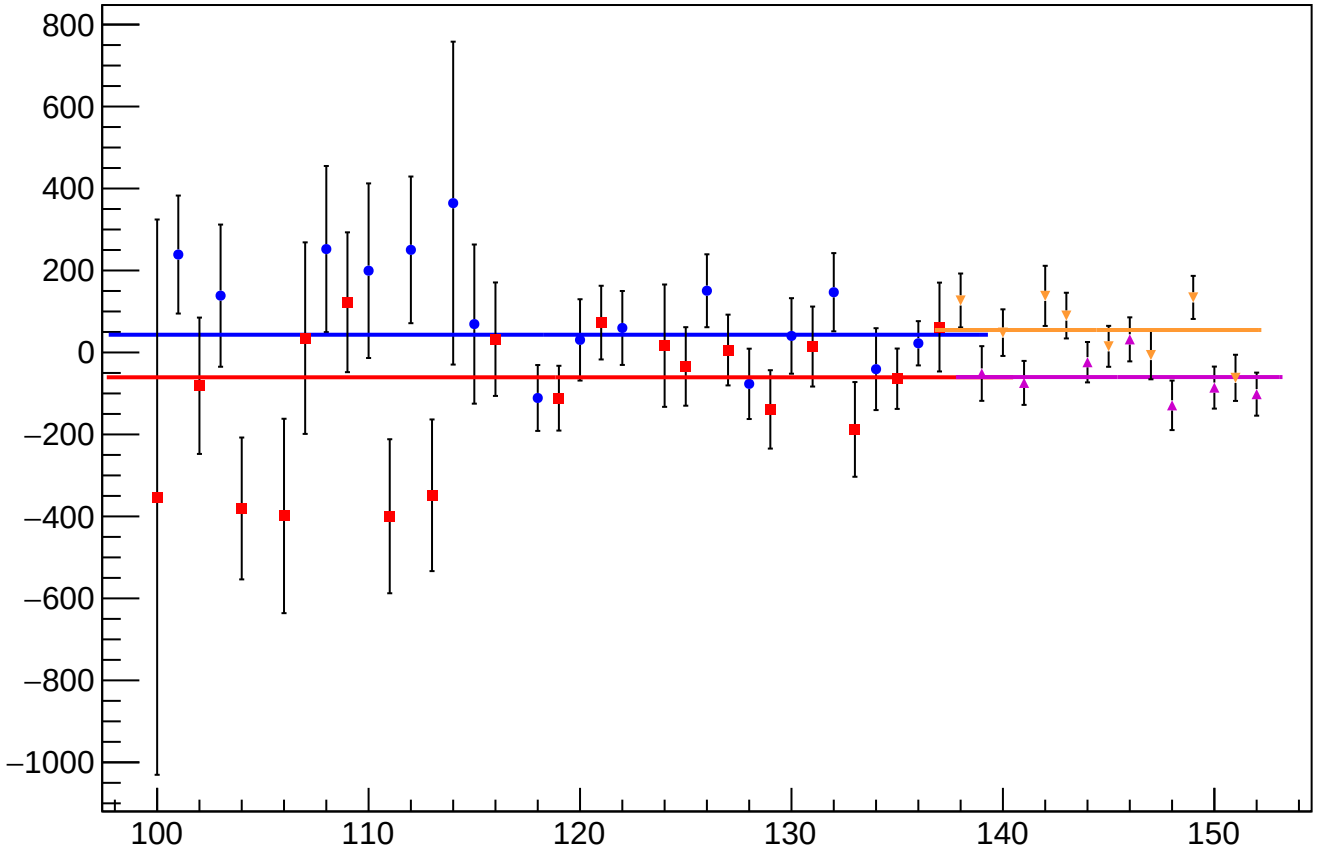
Left In: 0.000+/-0.000 χ^2/NDF:1948997.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3720201.8/23

All: 0.000+/-0.000 χ^2/NDF: 9814317.7/49

- sign 0.000+/-0.000 χ^2/NDF: 6034768.9/25

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 54.800+/-20.365 χ^2/NDF:11.2/7

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

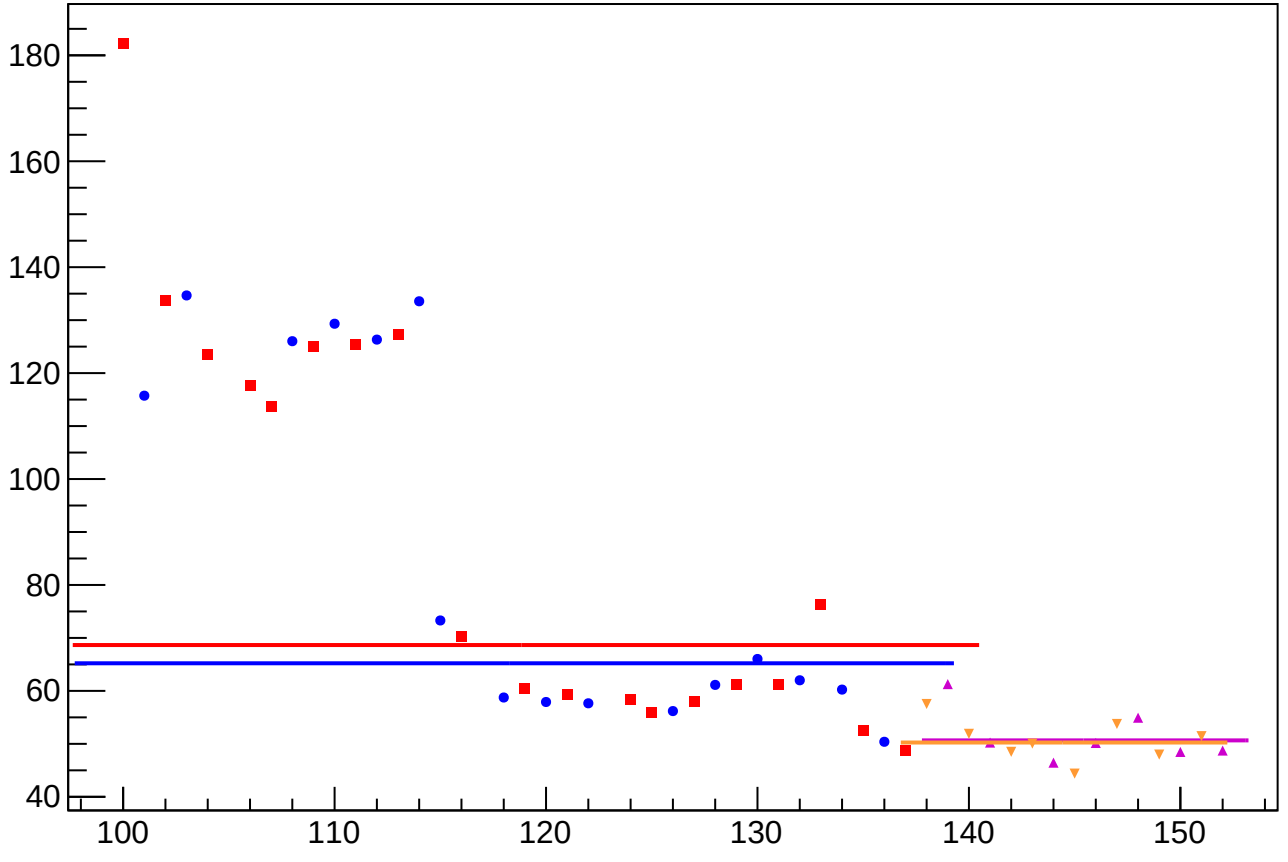
Left In: -60.005+/-20.640 χ^2/NDF:5.7/6

+ sign 50.361+/-15.980 χ^2/NDF: 26.3/23

All: -3.584+/-11.436 χ^2/NDF: 75.8/49

- sign -60.219+/-16.374 χ^2/NDF: 26.2/25

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 50.253+/-0.014 χ^2/NDF:66571.3/7

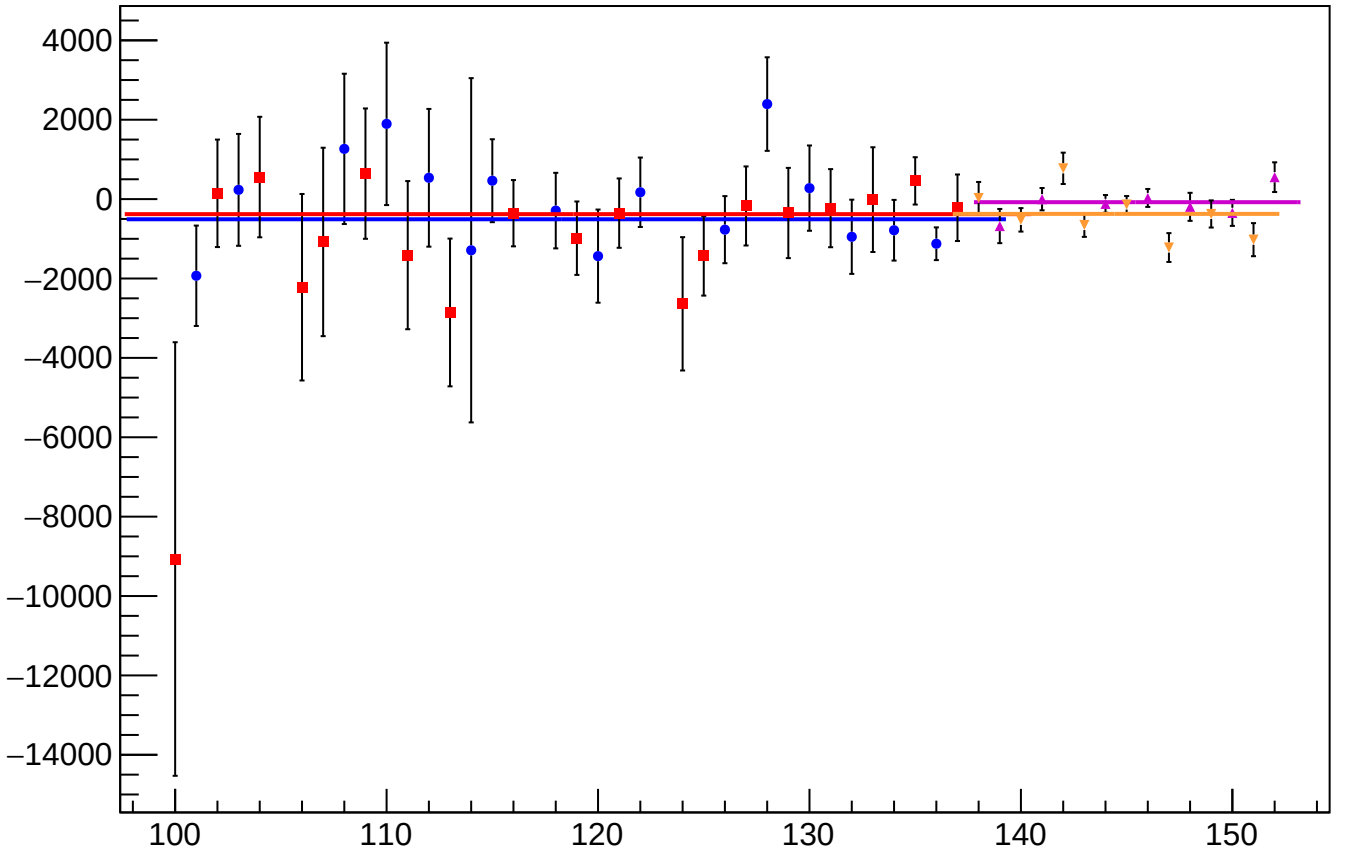
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 50.654+/-0.015 χ^2/NDF:81925.1/6

+ sign 56.001+/-0.011 χ^2/NDF: 1927760.1/23

All: 56.648+/-0.008 χ^2/NDF: 4221270.4/49

- sign 57.327+/-0.012 χ^2/NDF: 2286790.6/25



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -372.464+/-112.460 χ^2/NDF:19.7/7

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

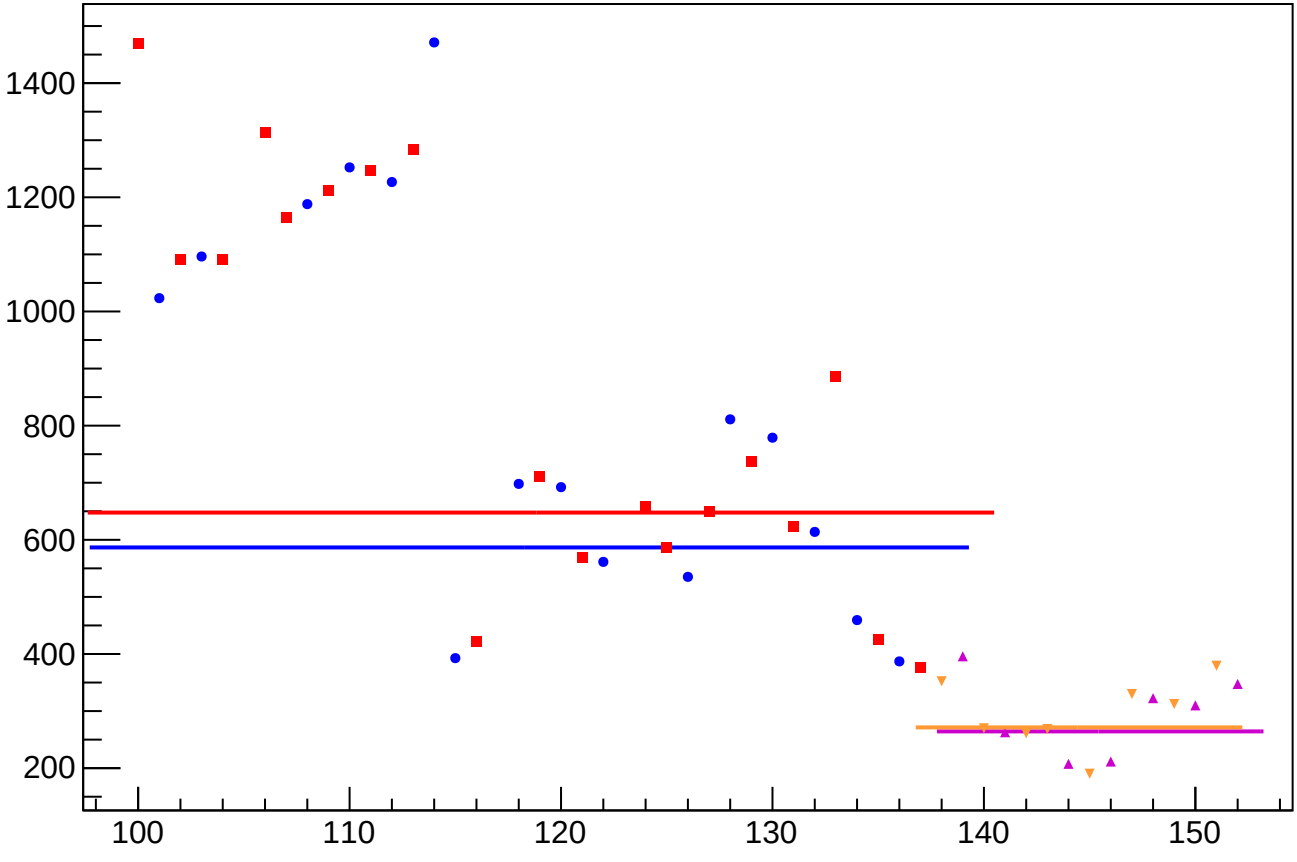
Left In: -77.325+/-110.316 χ^2/NDF:5.9/6

\+ sign -397.369+/-101.597 χ^2/NDF: 35.6/23

All: -260.546+/-71.747 χ^2/NDF: 58.0/49

\- sign -124.428+/-101.335 χ^2/NDF: 18.8/25

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 271.437+/-0.080 χ^2/NDF:586515.7/7

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

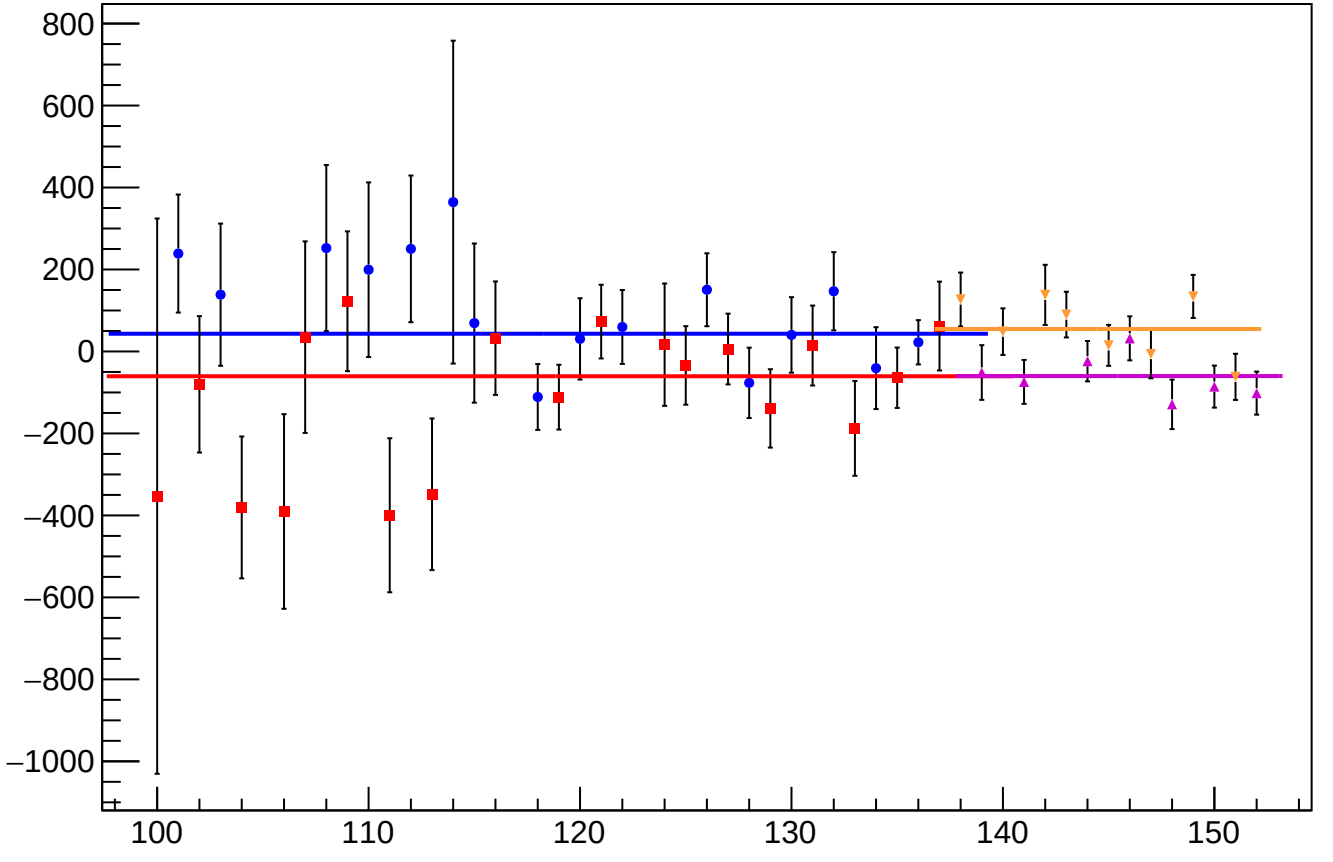
Left In: 264.415+/-0.078 χ^2/NDF:616658.7/6

+ sign 329.389+/-0.072 χ^2/NDF: 5528331.5/23

All: 326.831+/-0.051 χ^2/NDF: 12024866.7/49

- sign 324.287+/-0.072 χ^2/NDF: 6494007.2/25

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 54.805+/-20.365 χ^2/NDF:11.2/7

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

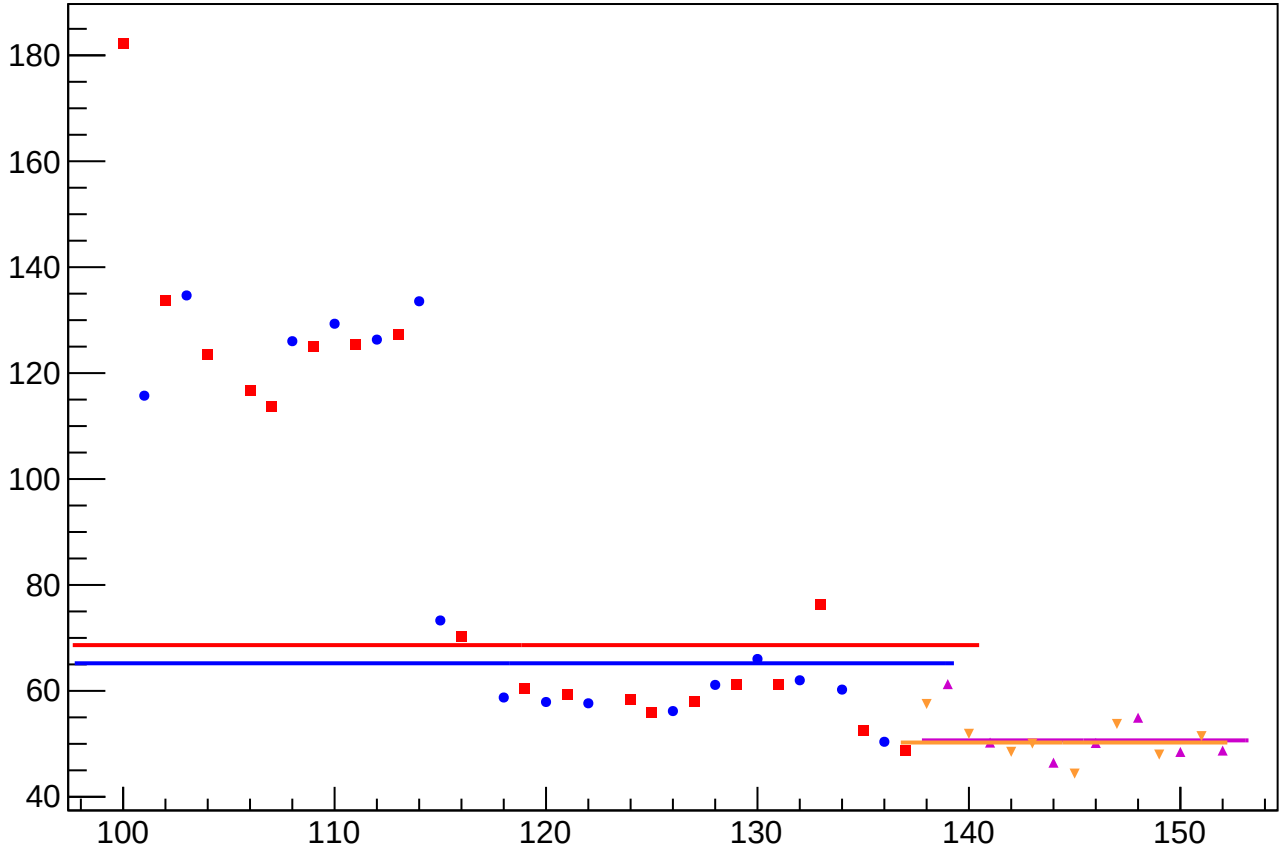
Left In: -60.004+/-20.640 χ^2/NDF:5.7/6

+ sign 50.361+/-15.980 χ^2/NDF: 26.3/23

All: -3.556+/-11.436 χ^2/NDF: 75.6/49

- sign -60.163+/-16.374 χ^2/NDF: 26.1/25

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.253+/-0.014 χ^2/NDF:66571.3/7

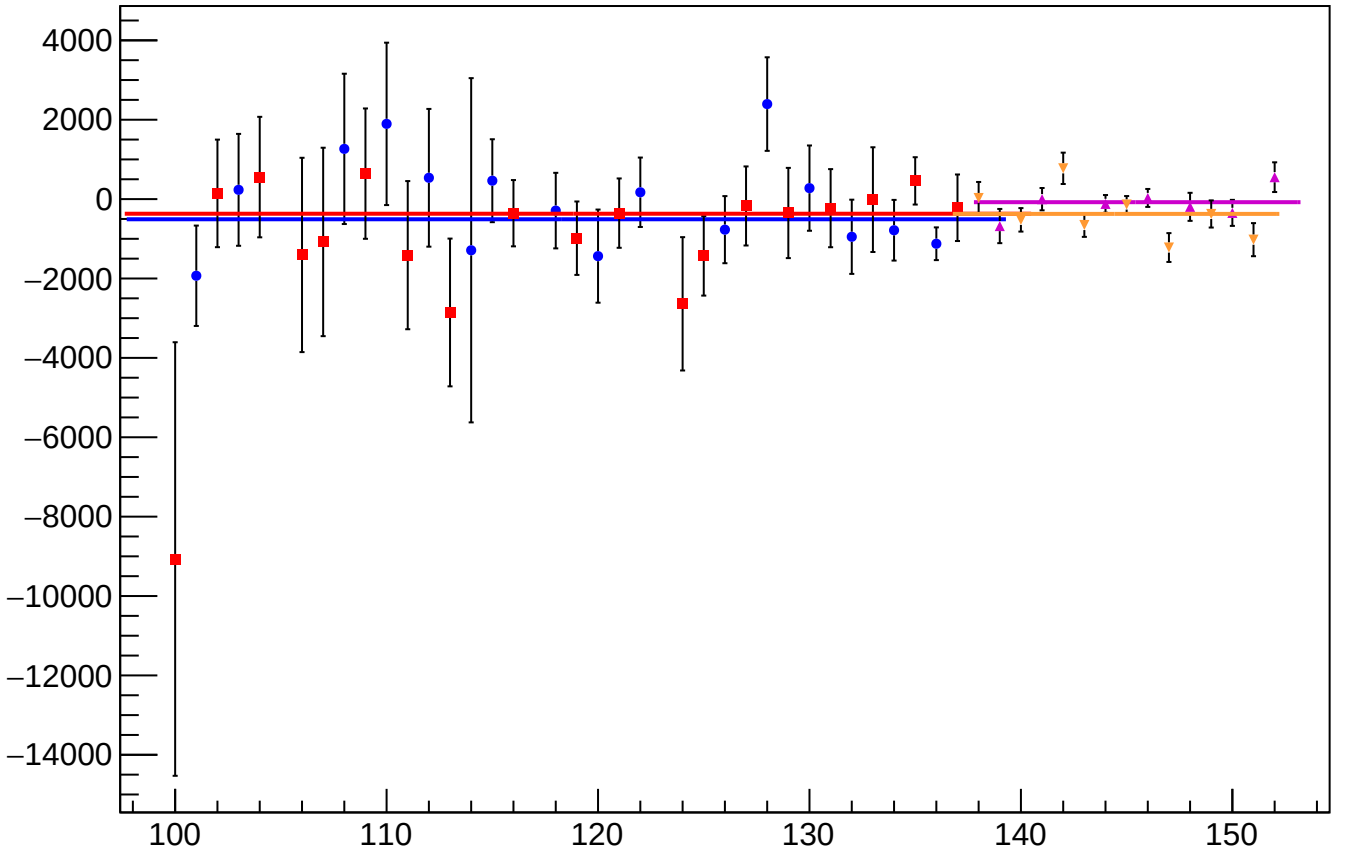
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 50.654+/-0.015 χ^2/NDF:81925.1/6

+ sign 56.001+/-0.011 χ^2/NDF: 1927762.3/23

All: 56.645+/-0.008 χ^2/NDF: 4216950.3/49

- sign 57.321+/-0.012 χ^2/NDF: 2282525.0/25



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -372.458+/-112.460 χ^2/NDF:19.7/7

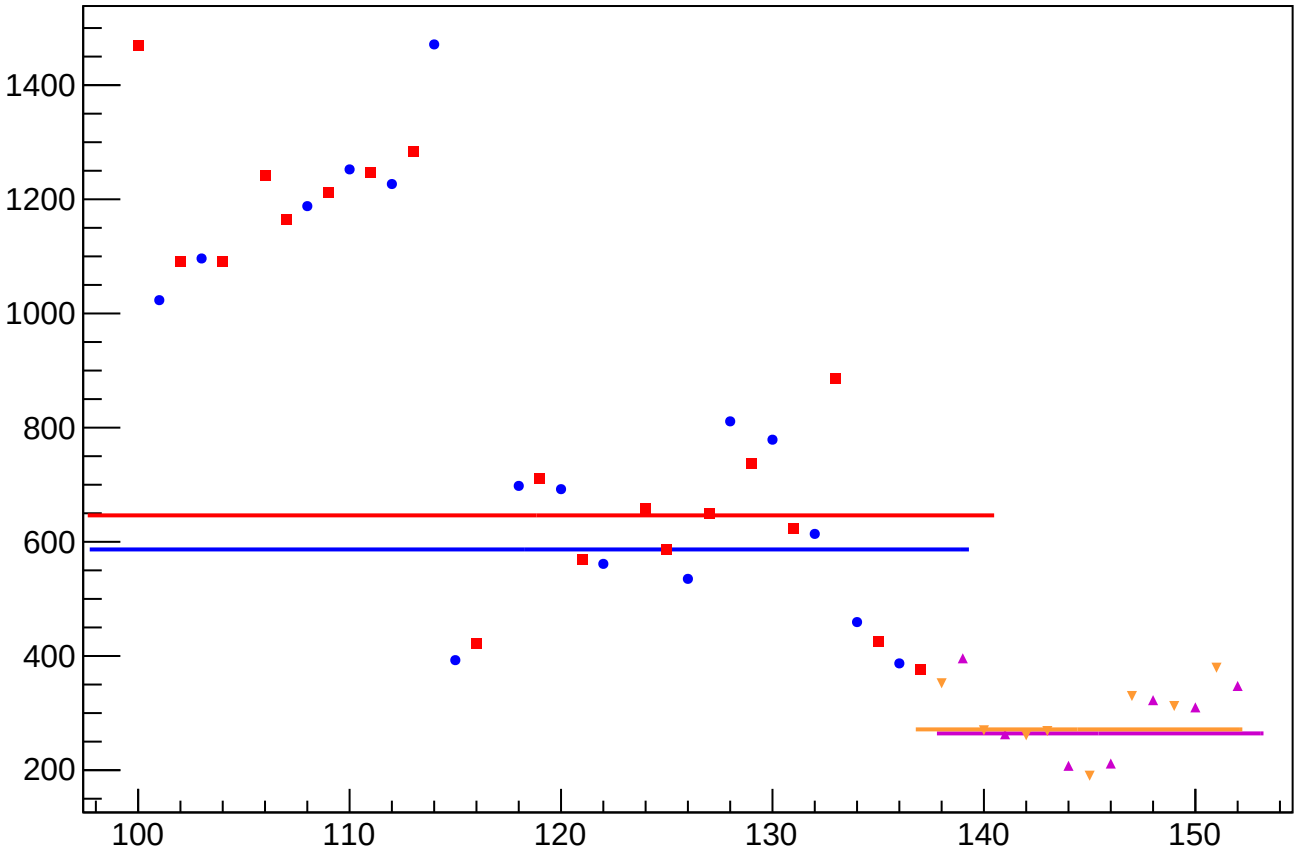
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -77.325+/-110.316 χ^2/NDF:5.9/6

+ sign -397.362+/-101.597 χ^2/NDF: 35.6/23

All: -259.708+/-71.750 χ^2/NDF: 57.5/49

- sign -122.741+/-101.343 χ^2/NDF: 18.3/25



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 271.437+/-0.080 χ^2/NDF:586518.4/7

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

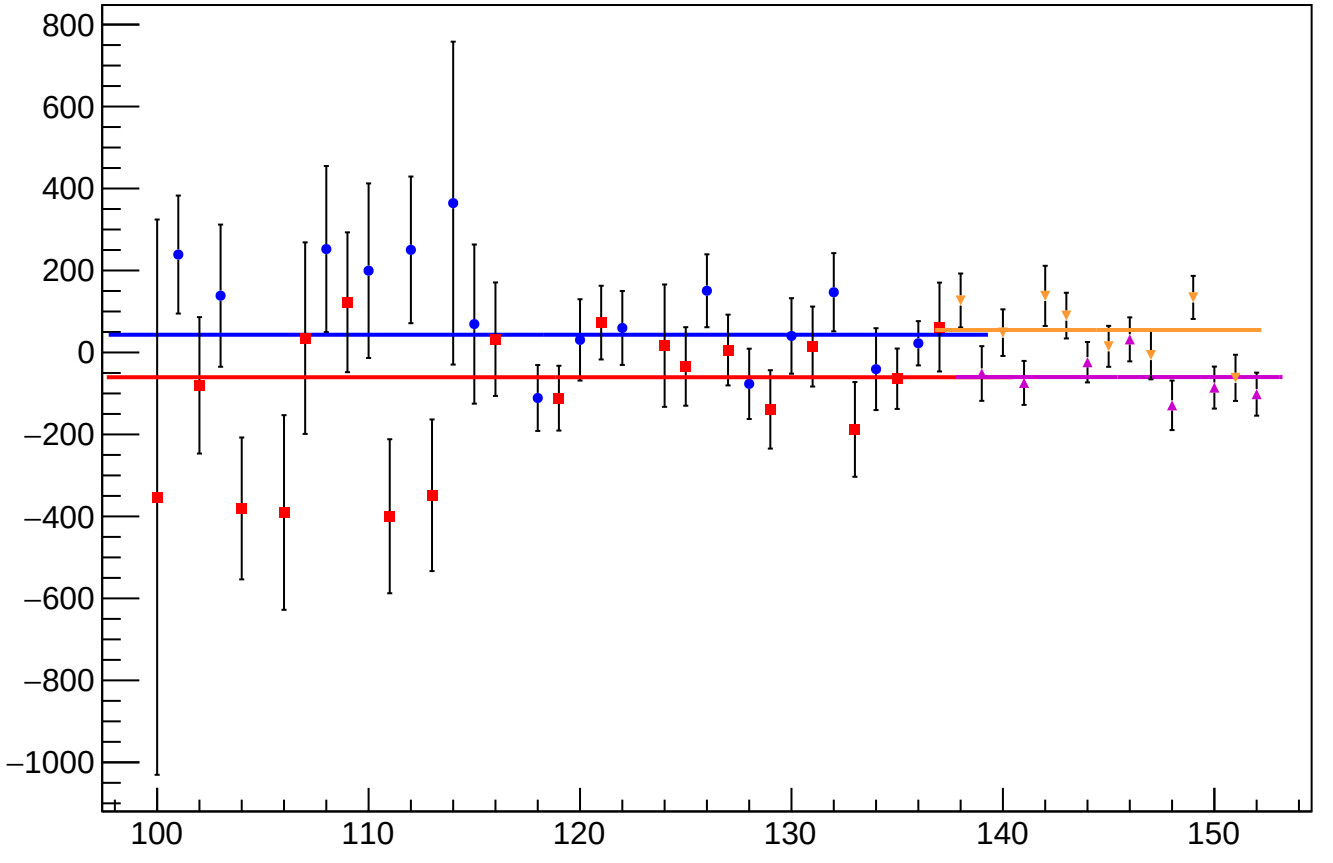
Left In: 264.415+/-0.078 χ^2/NDF:616655.9/6

+ sign 329.388+/-0.072 χ^2/NDF: 5528364.4/23

All: 326.696+/-0.051 χ^2/NDF: 11951929.6/49

- sign 324.017+/-0.072 χ^2/NDF: 6420763.7/25

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 54.805+/-20.365 χ^2/NDF:11.2/7

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

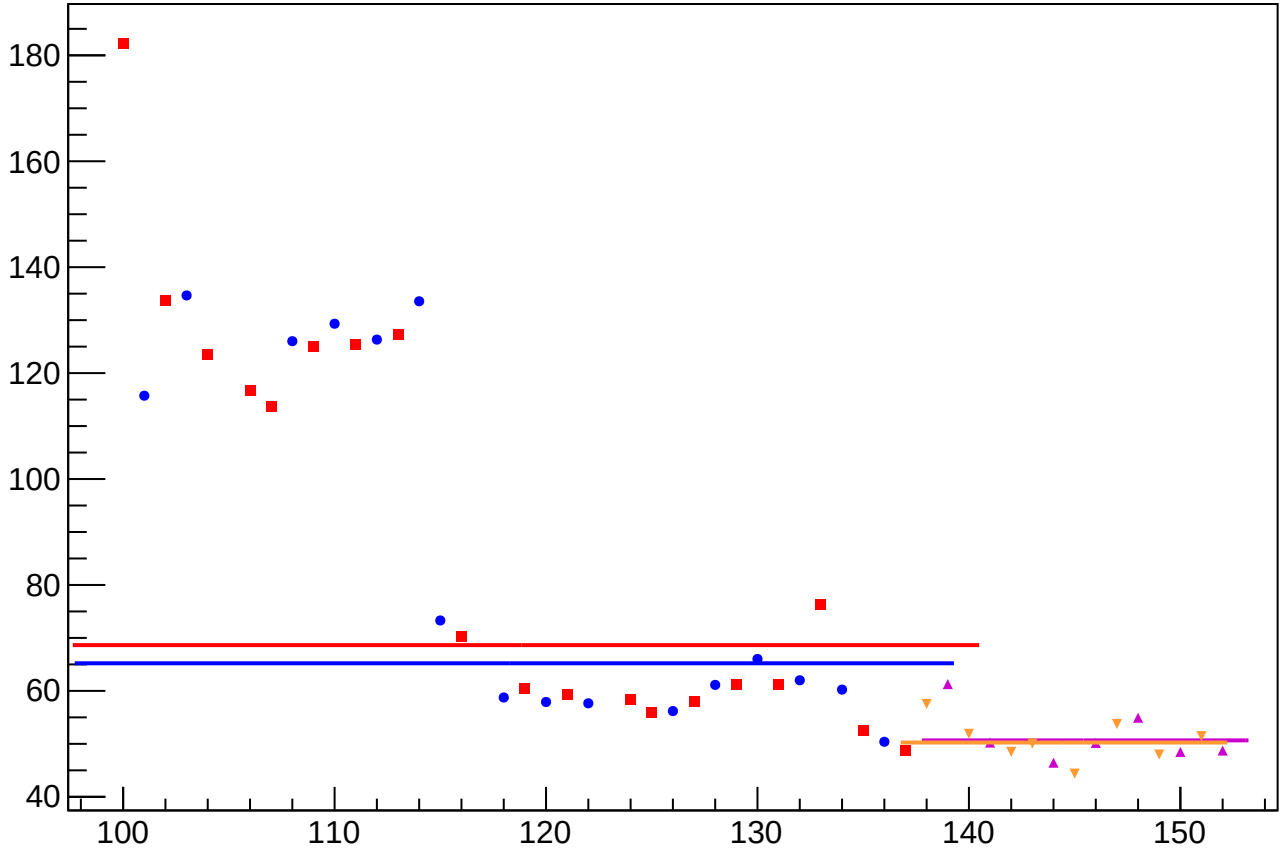
Left In: -60.004+/-20.640 χ^2/NDF:5.7/6

+ sign 50.361+/-15.980 χ^2/NDF: 26.3/23

All: -3.556+/-11.436 χ^2/NDF: 75.6/49

- sign -60.163+/-16.374 χ^2/NDF: 26.1/25

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.253+/-0.014 χ^2/NDF:66571.3/7

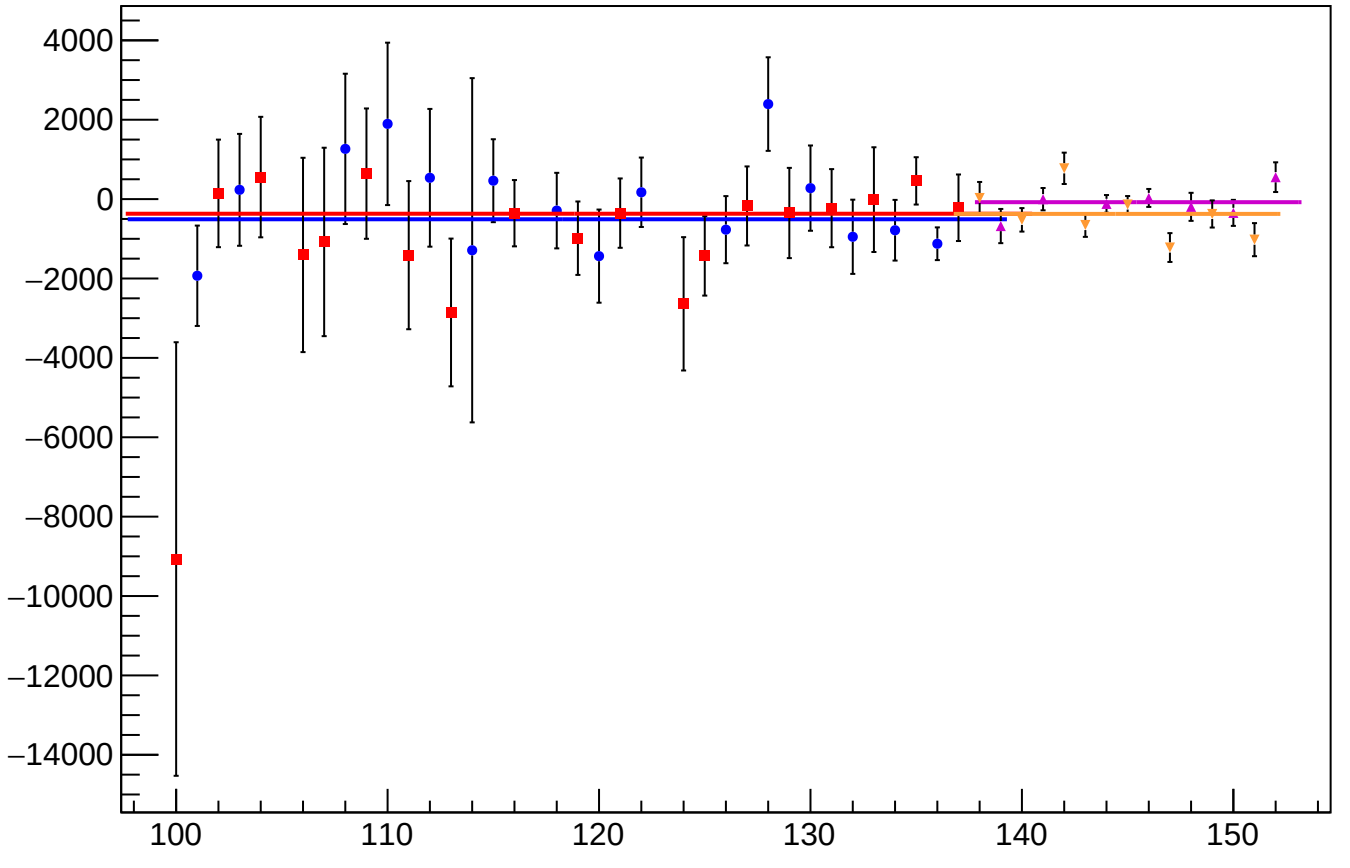
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 50.654+/-0.015 χ^2/NDF:81925.1/6

+ sign 56.001+/-0.011 χ^2/NDF: 1927762.3/23

All: 56.645+/-0.008 χ^2/NDF: 4216950.3/49

- sign 57.321+/-0.012 χ^2/NDF: 2282525.0/25



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -372.458+/-112.460 χ^2/NDF:19.7/7

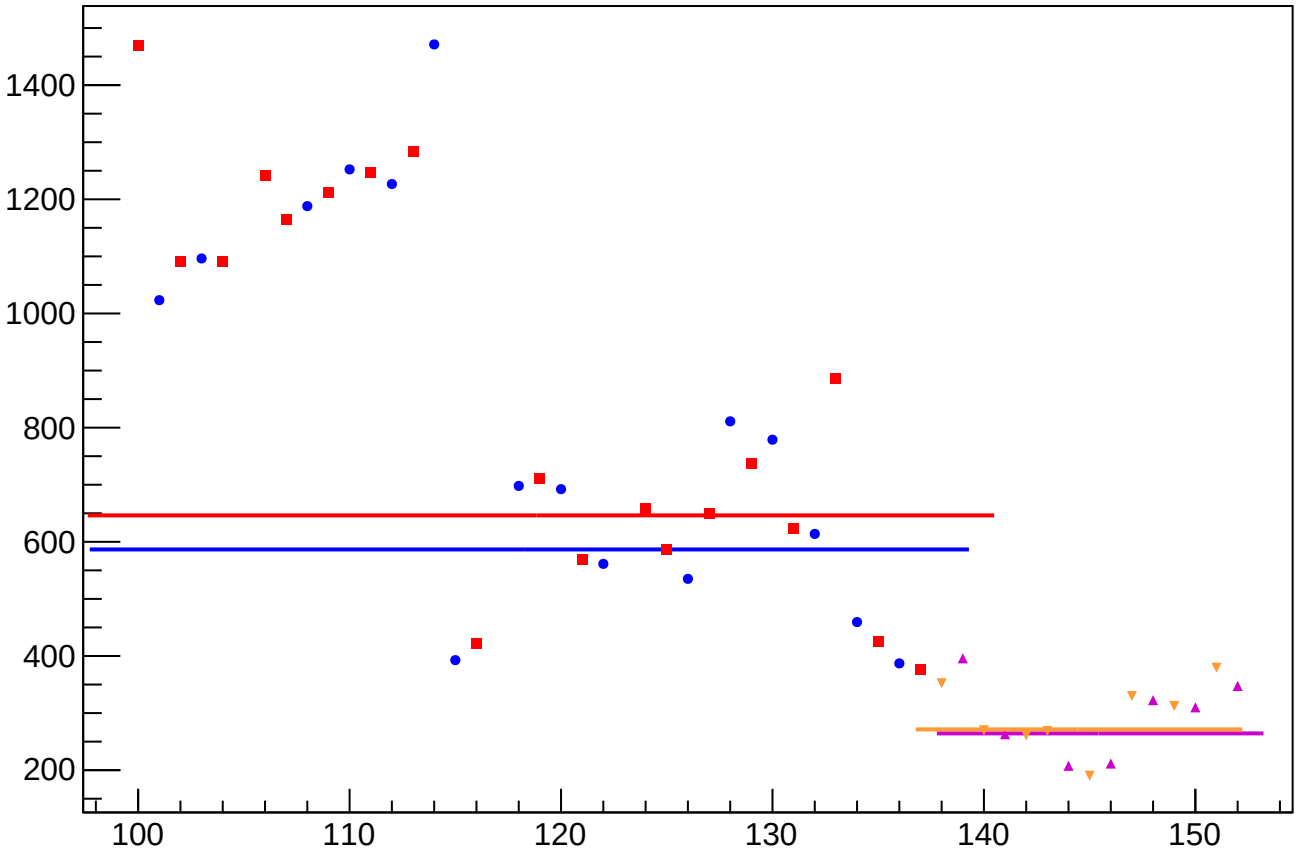
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -77.325+/-110.316 χ^2/NDF:5.9/6

+ sign -397.362+/-101.597 χ^2/NDF: 35.6/23

All: -259.708+/-71.750 χ^2/NDF: 57.5/49

- sign -122.741+/-101.343 χ^2/NDF: 18.3/25



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 271.437+/-0.080 χ^2/NDF:586518.4/7

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

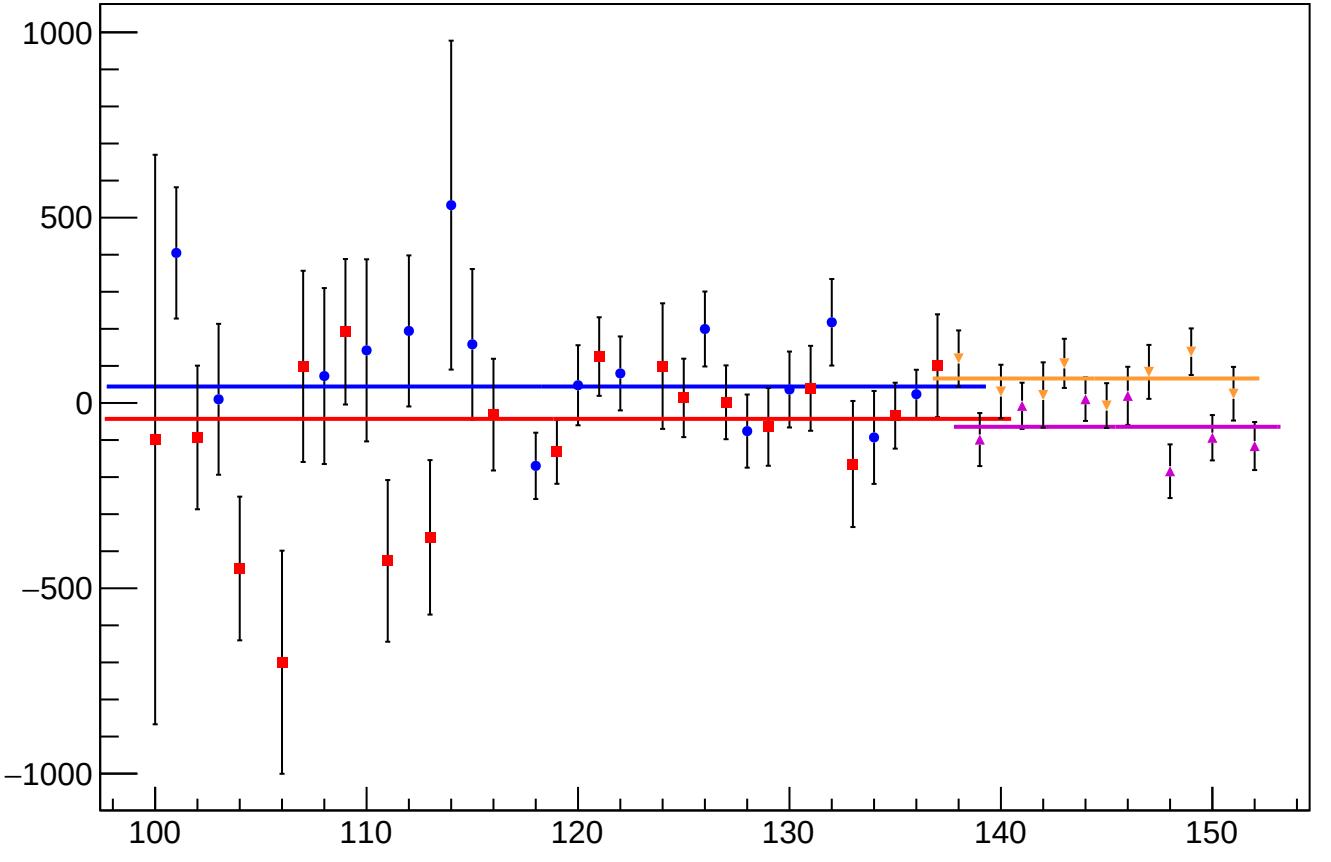
Left In: 264.415+/-0.078 χ^2/NDF:616655.9/6

+ sign 329.388+/-0.072 χ^2/NDF: 5528364.4/23

All: 326.696+/-0.051 χ^2/NDF: 11951929.6/49

- sign 324.017+/-0.072 χ^2/NDF: 6420763.7/25

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 66.058+/-24.766 χ^2/NDF:4.6/7

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

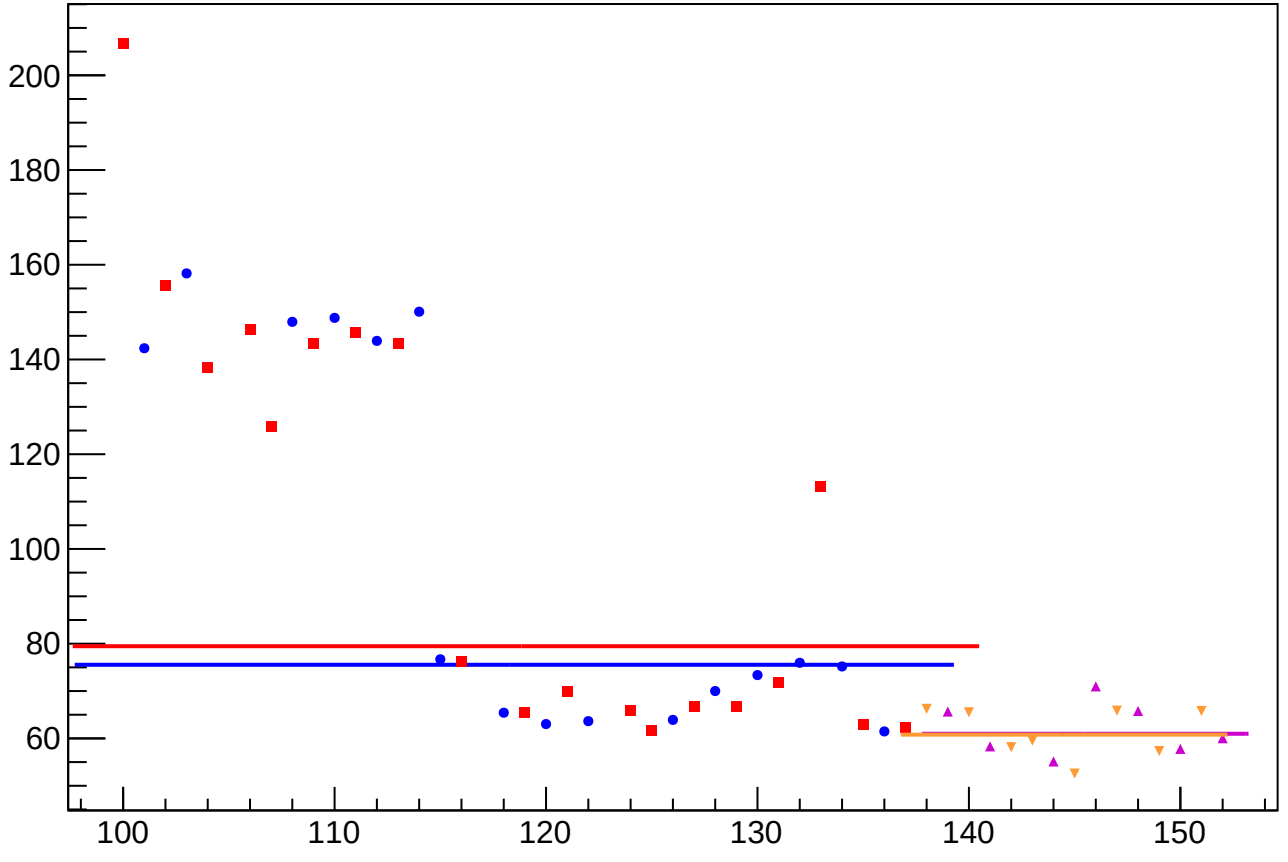
Left In: -64.295+/-24.982 χ^2/NDF:7.4/6

+ sign 57.243+/-19.075 χ^2/NDF: 24.5/23

All: 1.928+/-13.640 χ^2/NDF: 72.7/49

- sign -55.953+/-19.513 χ^2/NDF: 31.0/25

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 60.797+/-0.018 χ^2/NDF:83892.3/7

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

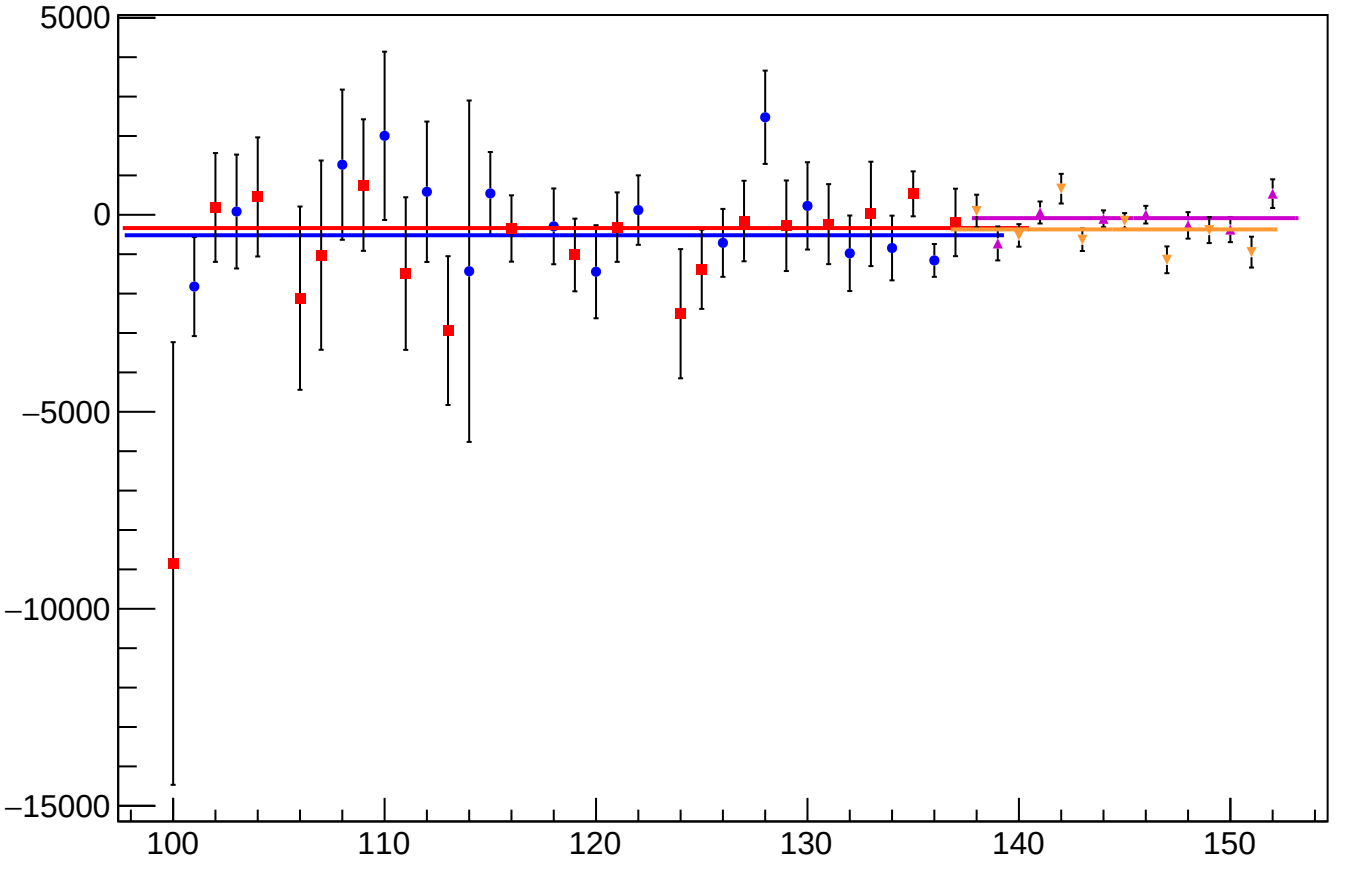
Left In: 60.983+/-0.018 χ^2/NDF:79331.8/6

+ sign 66.796+/-0.013 χ^2/NDF: 1837886.3/23

All: 67.477+/-0.010 χ^2/NDF: 4032919.5/49

- sign 68.190+/-0.014 χ^2/NDF: 2189815.4/25

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -370.761+/-106.832 χ^2/NDF:18.5/7

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

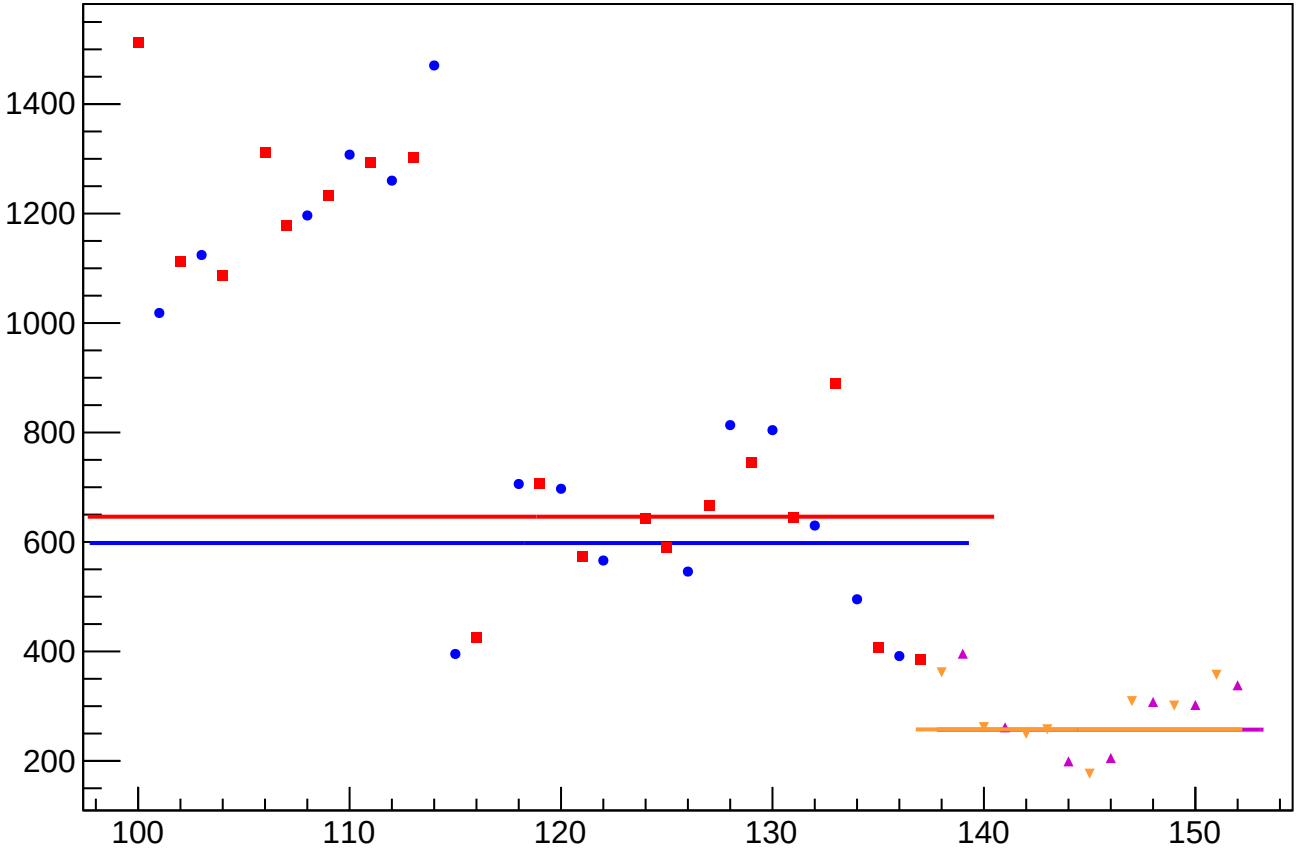
Left In: -84.876+/-107.629 χ^2/NDF:6.7/6

+ sign -395.094+/-97.687 χ^2/NDF: 34.6/23

All: -260.989+/-69.622 χ^2/NDF: 57.8/49

- sign -122.552+/-99.253 χ^2/NDF: 19.4/25

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 257.539+/-0.076 χ^2/NDF:679041.8/7

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

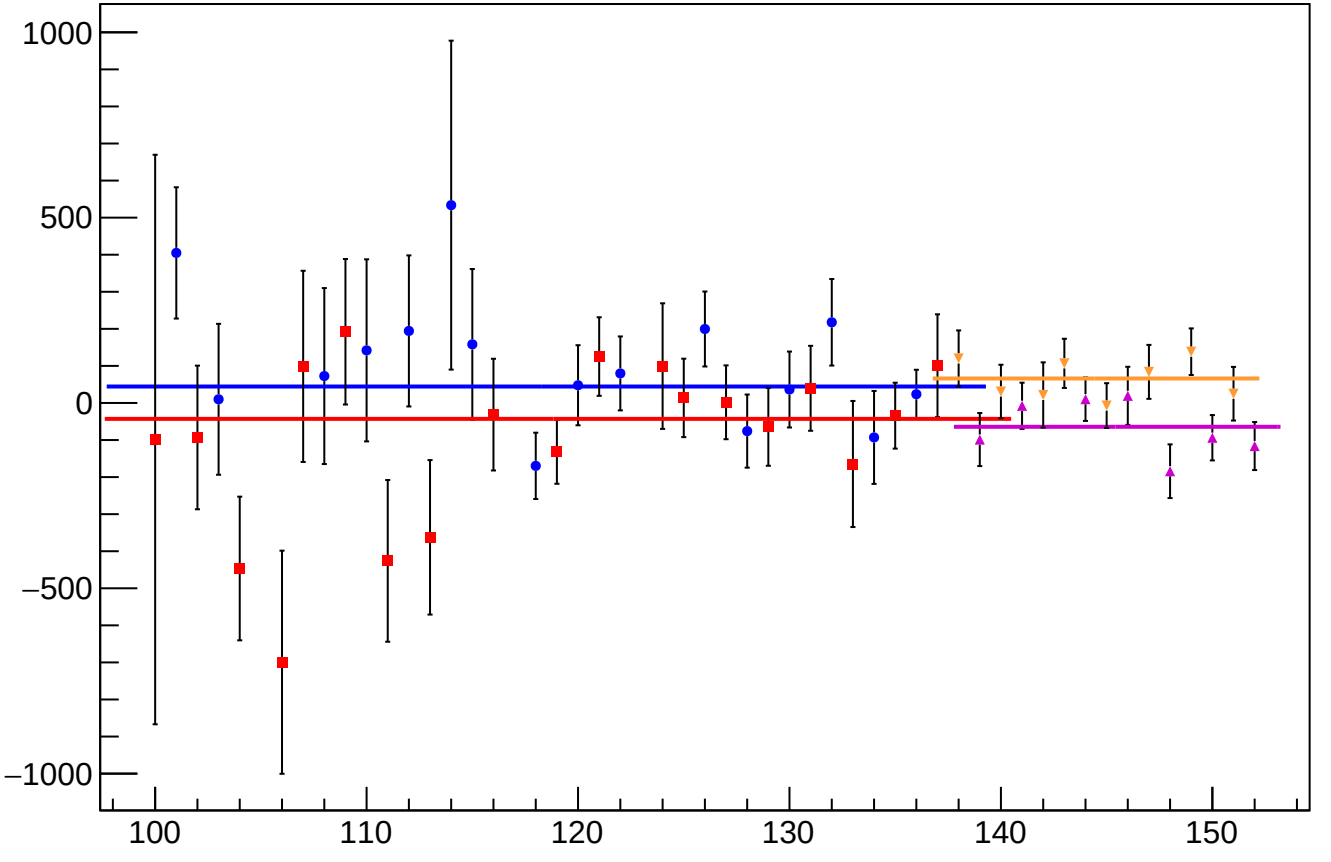
Left In: 257.134+/-0.076 χ^2/NDF:646350.7/6

+ sign 313.338+/-0.069 χ^2/NDF: 6056341.8/23

All: 314.320+/-0.049 χ^2/NDF: 12817926.6/49

- sign 315.334+/-0.070 χ^2/NDF: 6761174.1/25

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 66.058+/-24.766 χ^2/NDF:4.6/7

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

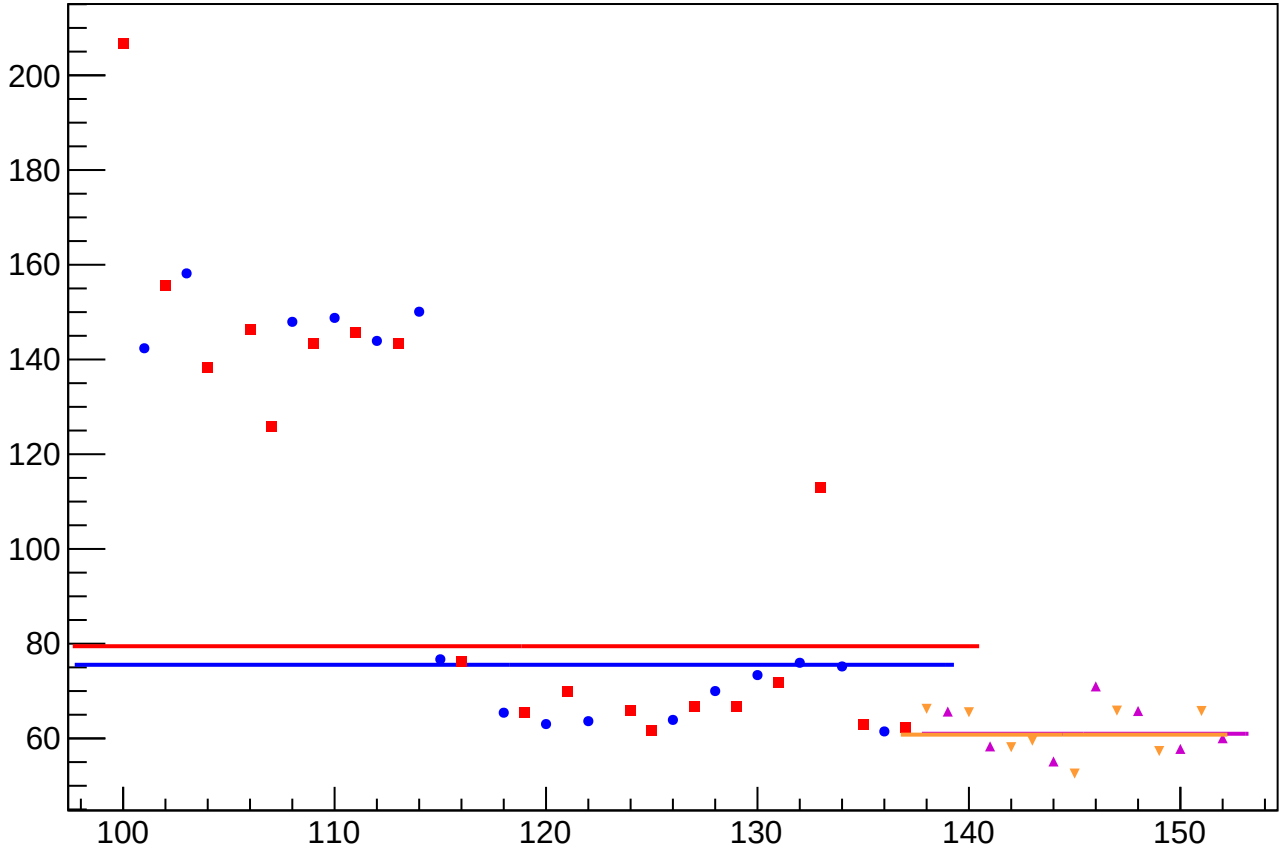
Left In: -64.295+/-24.982 χ^2/NDF:7.4/6

+ sign 57.243+/-19.075 χ^2/NDF: 24.5/23

All: 1.929+/-13.640 χ^2/NDF: 72.7/49

- sign -55.952+/-19.513 χ^2/NDF: 31.0/25

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 60.798+/-0.018 χ^2/NDF:83888.8/7

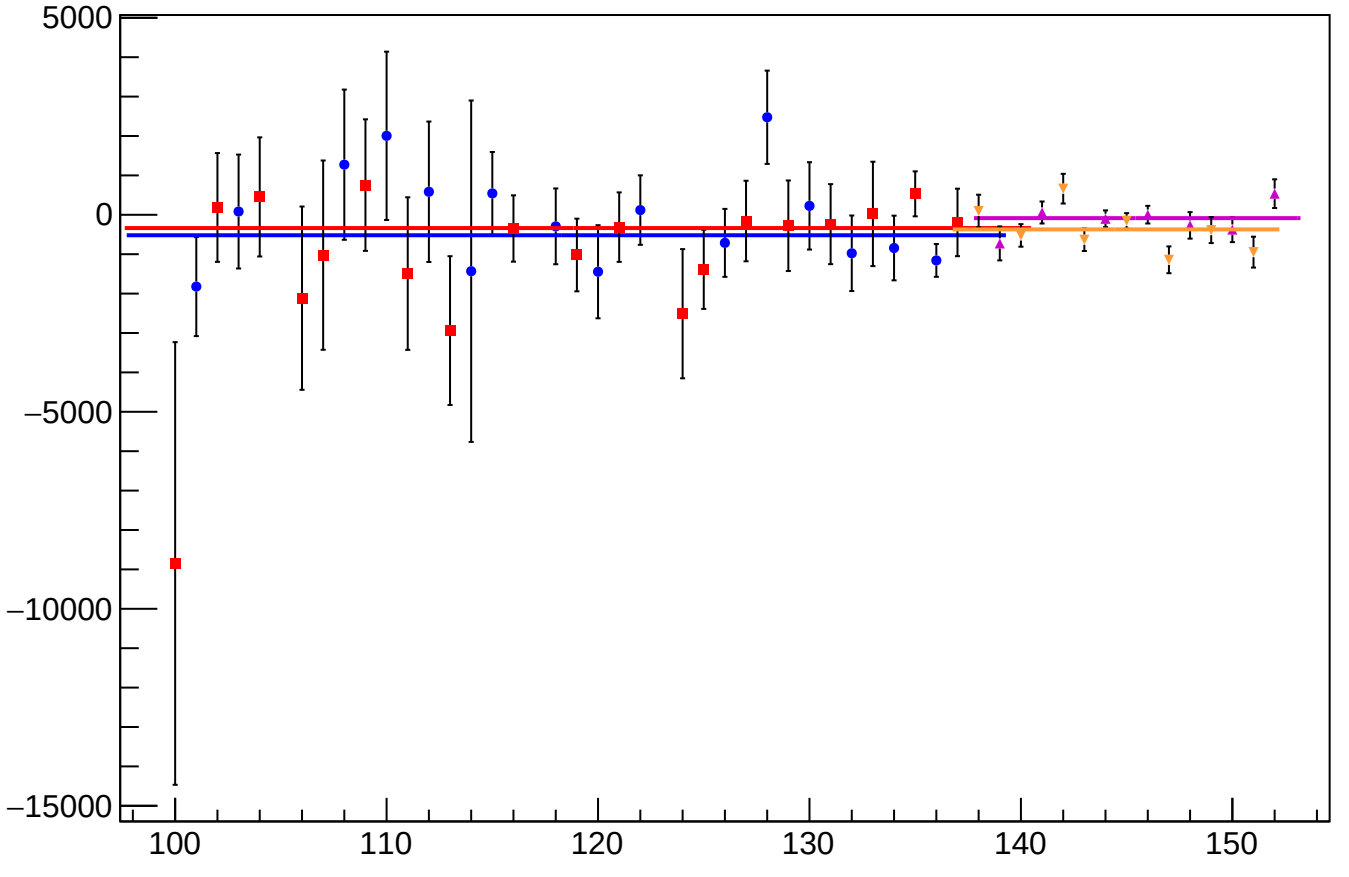
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 60.983+/-0.018 χ^2/NDF:79330.8/6

+ sign 66.796+/-0.013 χ^2/NDF: 1837845.6/23

All: 67.477+/-0.010 χ^2/NDF: 4032846.9/49

- sign 68.190+/-0.014 χ^2/NDF: 2189783.4/25



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -370.762+/-106.832 χ^2/NDF:18.5/7

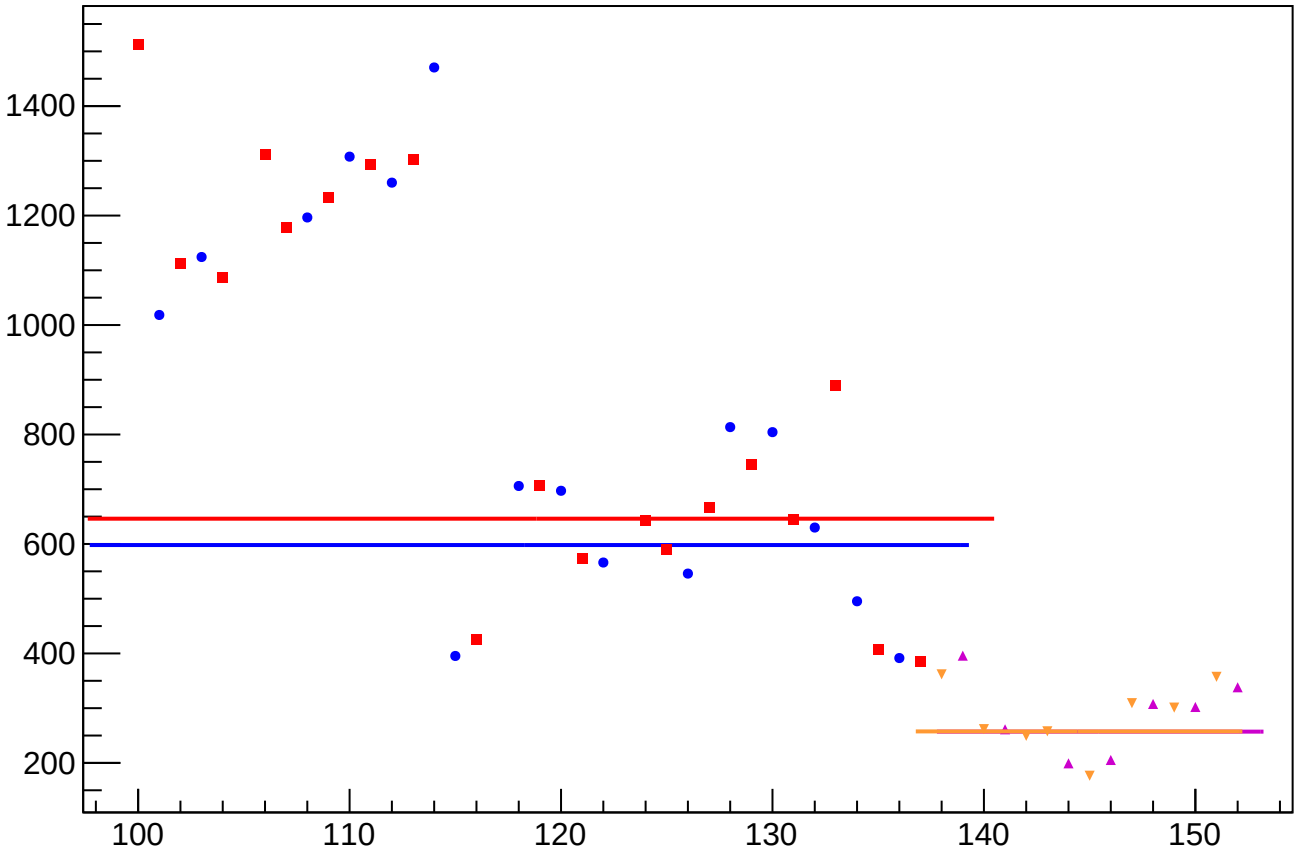
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -84.876+/-107.629 χ^2/NDF:6.7/6

+ sign -395.094+/-97.687 χ^2/NDF: 34.6/23

All: -260.990+/-69.622 χ^2/NDF: 57.8/49

- sign -122.552+/-99.253 χ^2/NDF: 19.4/25



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 257.539+/-0.076 χ^2/NDF:679043.3/7

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

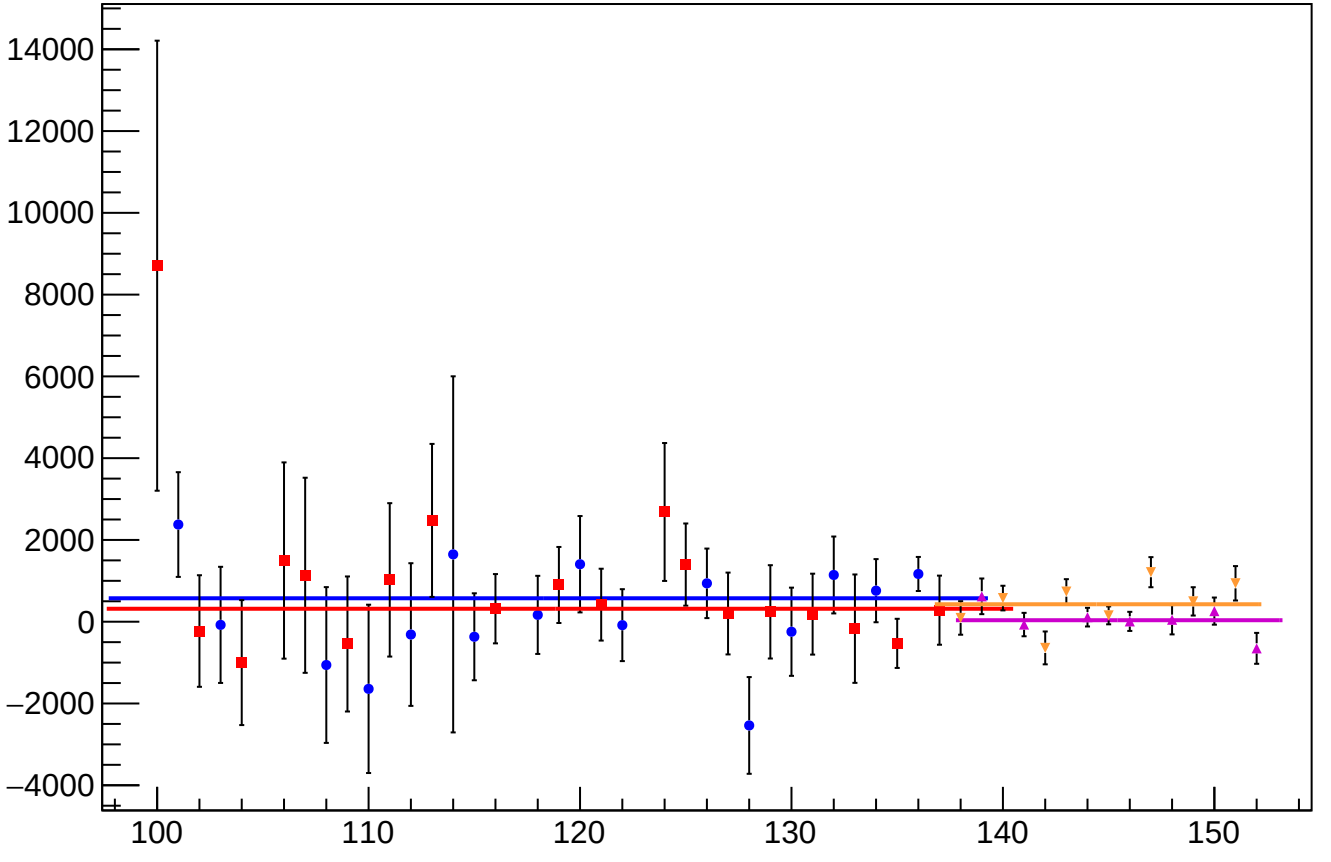
Left In: 257.133+/-0.076 χ^2/NDF:646346.4/6

+ sign 313.337+/-0.069 χ^2/NDF: 6056337.5/23

All: 314.320+/-0.049 χ^2/NDF: 12817909.0/49

- sign 315.333+/-0.070 χ^2/NDF: 6761160.6/25

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 427.076+/-114.563 χ^2/NDF:16.6/7

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

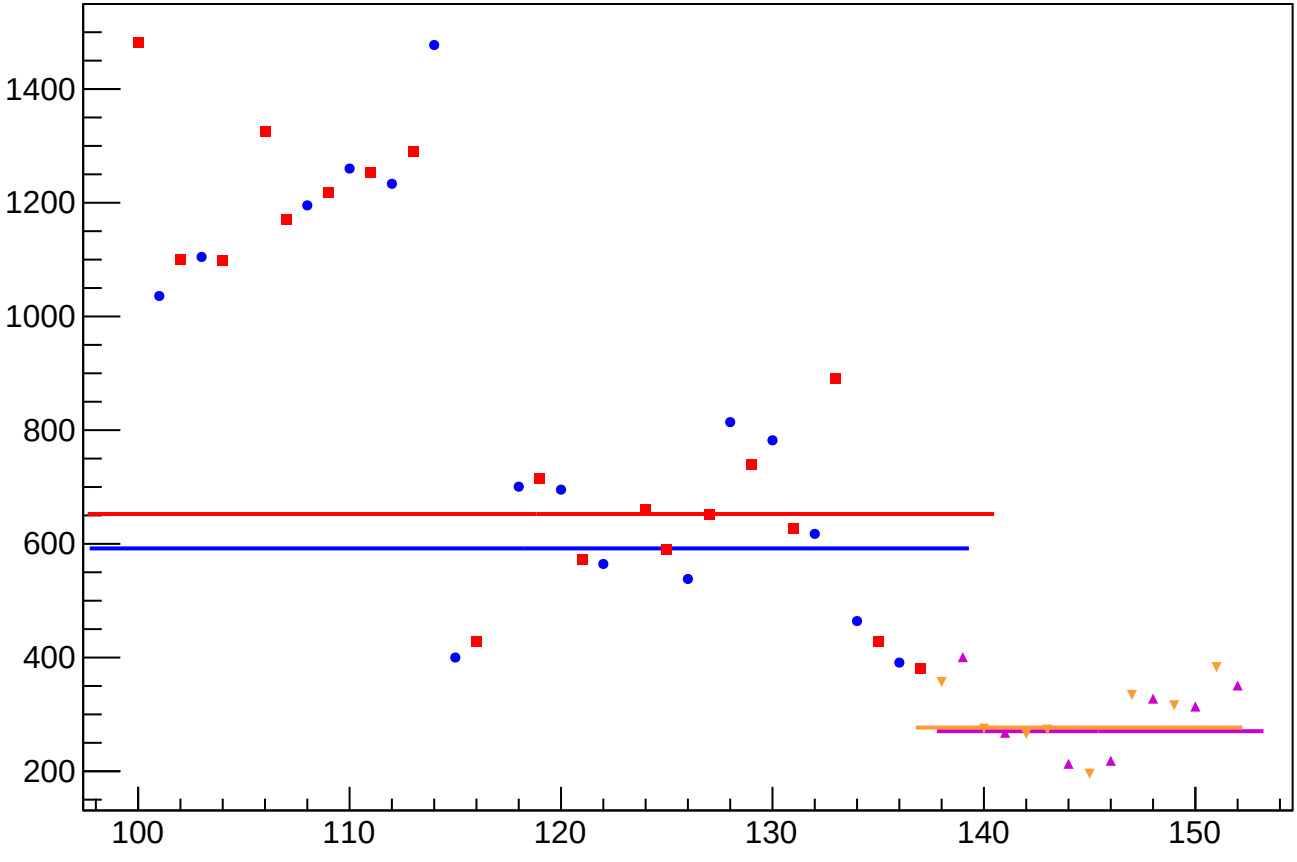
Left In: 36.619+/-112.662 χ^2/NDF:5.8/6

+ sign 454.425+/-103.302 χ^2/NDF: 33.5/23

All: 267.855+/-73.032 χ^2/NDF: 57.8/49

- sign 81.425+/-103.263 χ^2/NDF: 17.8/25

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 276.901+/-0.081 χ^2/NDF:555126.8/7

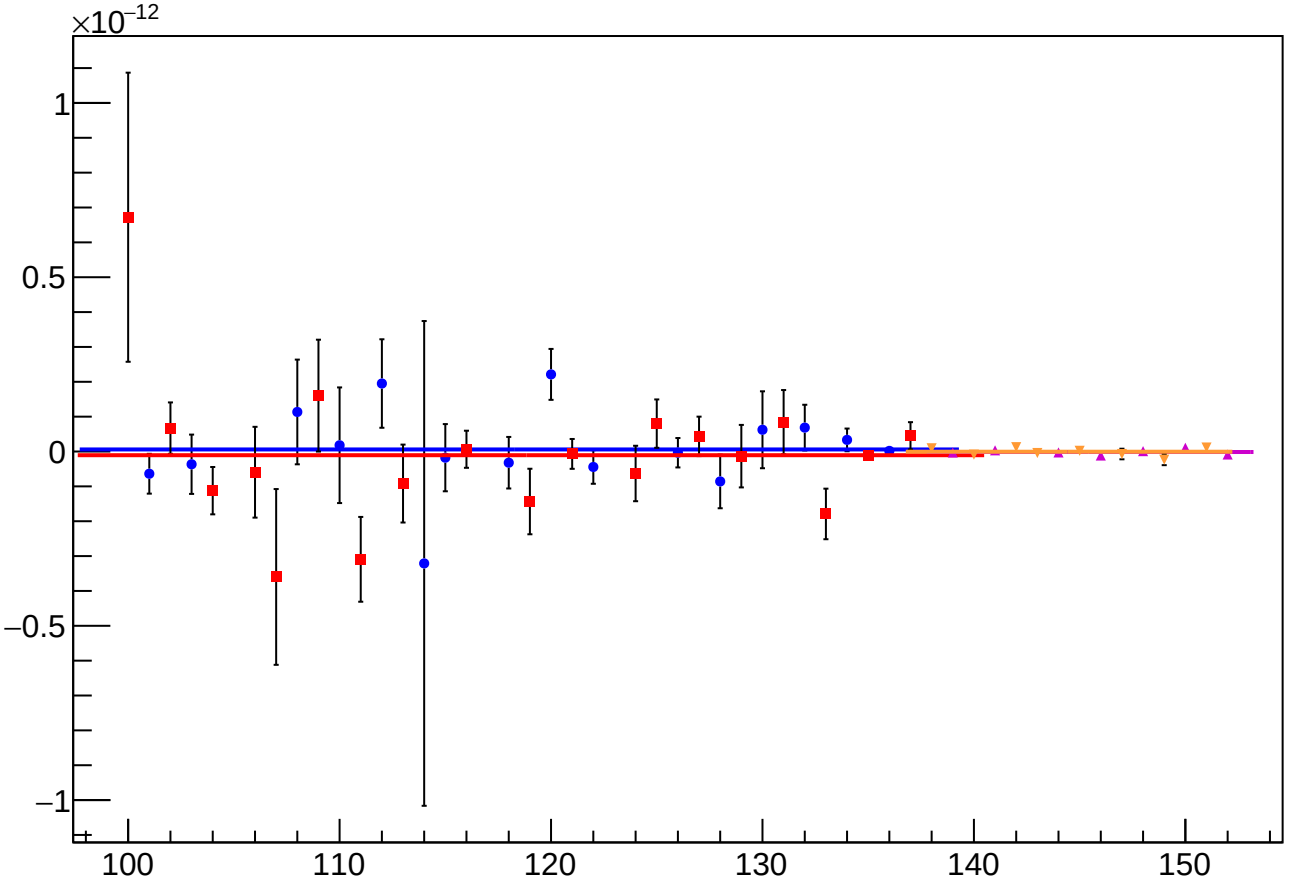
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 270.512+/-0.080 χ^2/NDF:579326.5/6

+ sign 335.801+/-0.073 χ^2/NDF: 5418742.3/23

All: 333.692+/-0.052 χ^2/NDF: 11765283.1/49

- sign 331.586+/-0.073 χ^2/NDF: 6344875.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/7

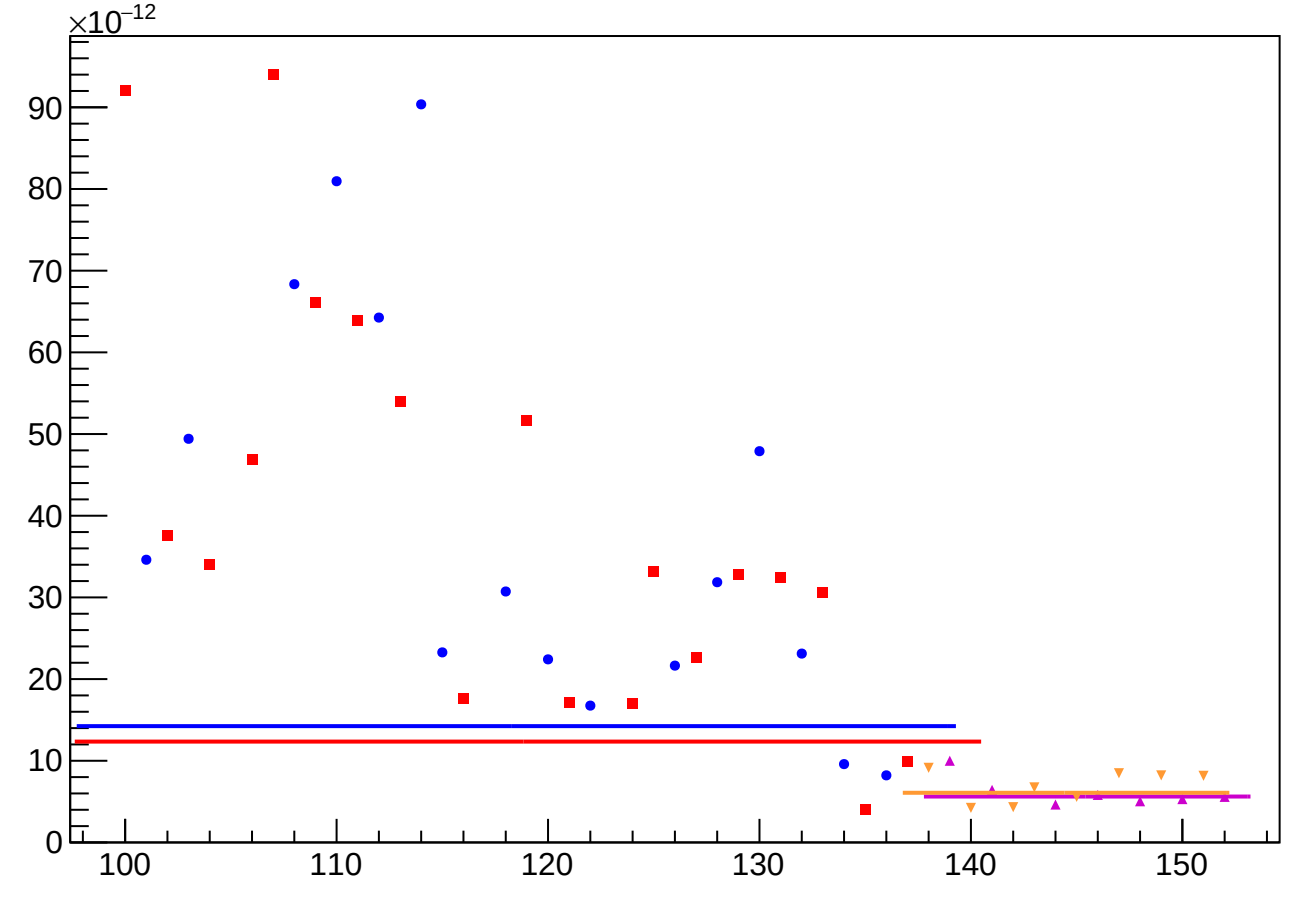
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/23

All: -0.000+/-0.000 χ^2/NDF: 58.6/49

- sign -0.000+/-0.000 χ^2/NDF: 33.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:405638.7/7

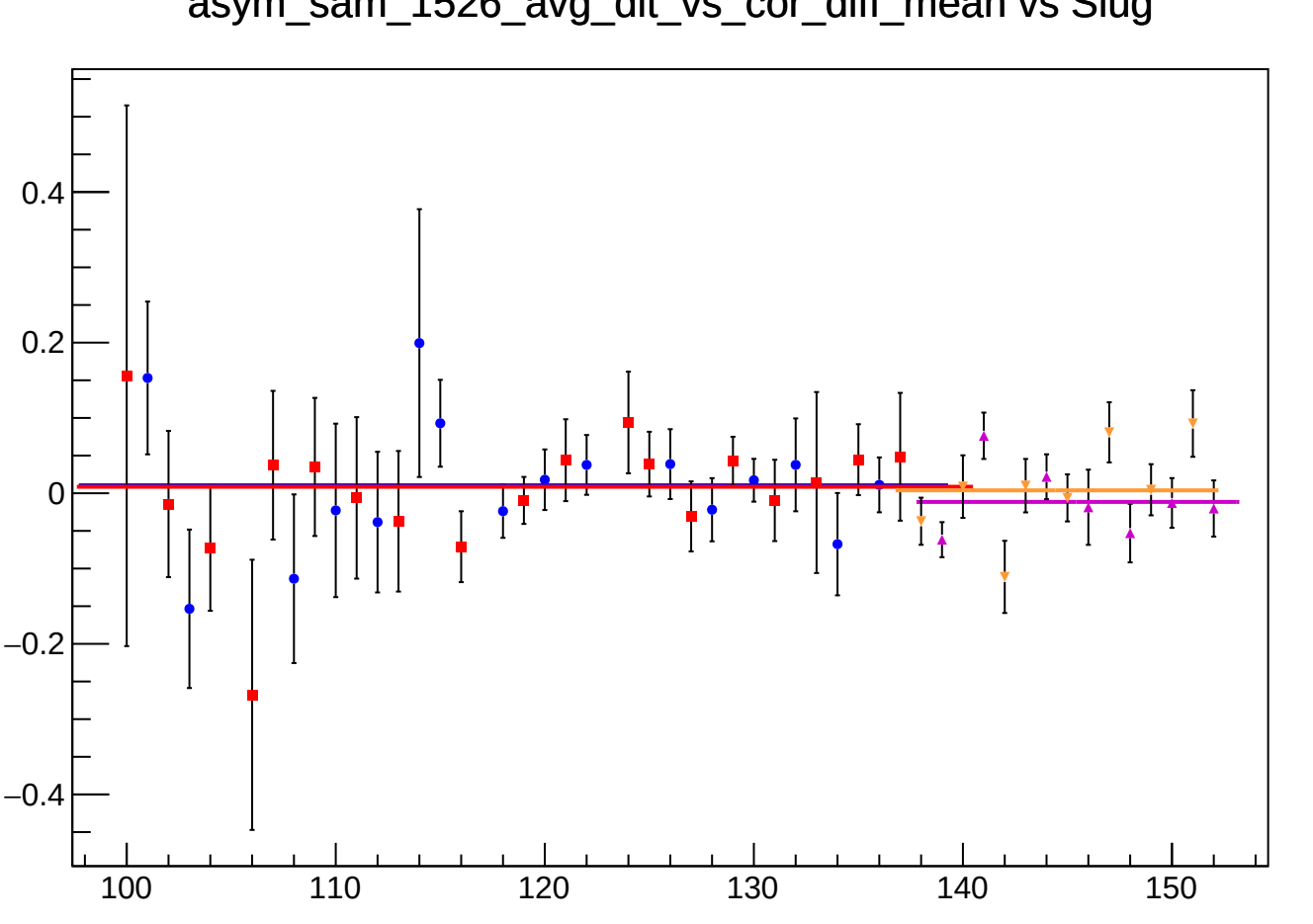
Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:240091.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 3953101.3/23

All: 0.000+/-0.000 χ^2/NDF: 8425895.0/49

- sign 0.000+/-0.000 χ^2/NDF: 4435076.5/25



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.004+/-0.013 χ^2/NDF:15.4/7

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

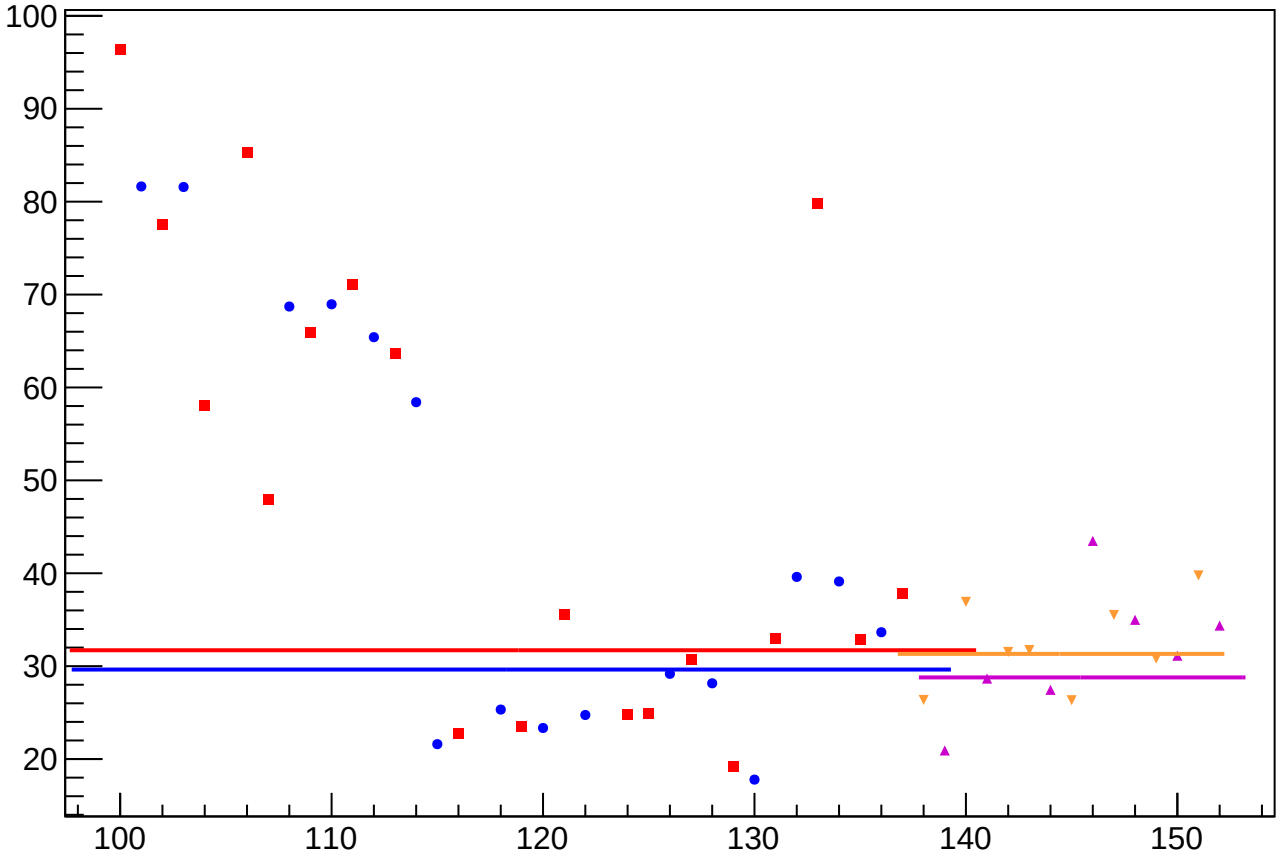
Left In: -0.012+/-0.012 χ^2/NDF:15.2/6

+ sign 0.007+/-0.009 χ^2/NDF: 28.6/23

All: 0.002+/-0.006 χ^2/NDF: 58.1/49

- sign -0.002+/-0.009 χ^2/NDF: 28.9/25

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: 31.320+/-0.009 χ^2/NDF:233322.9/7

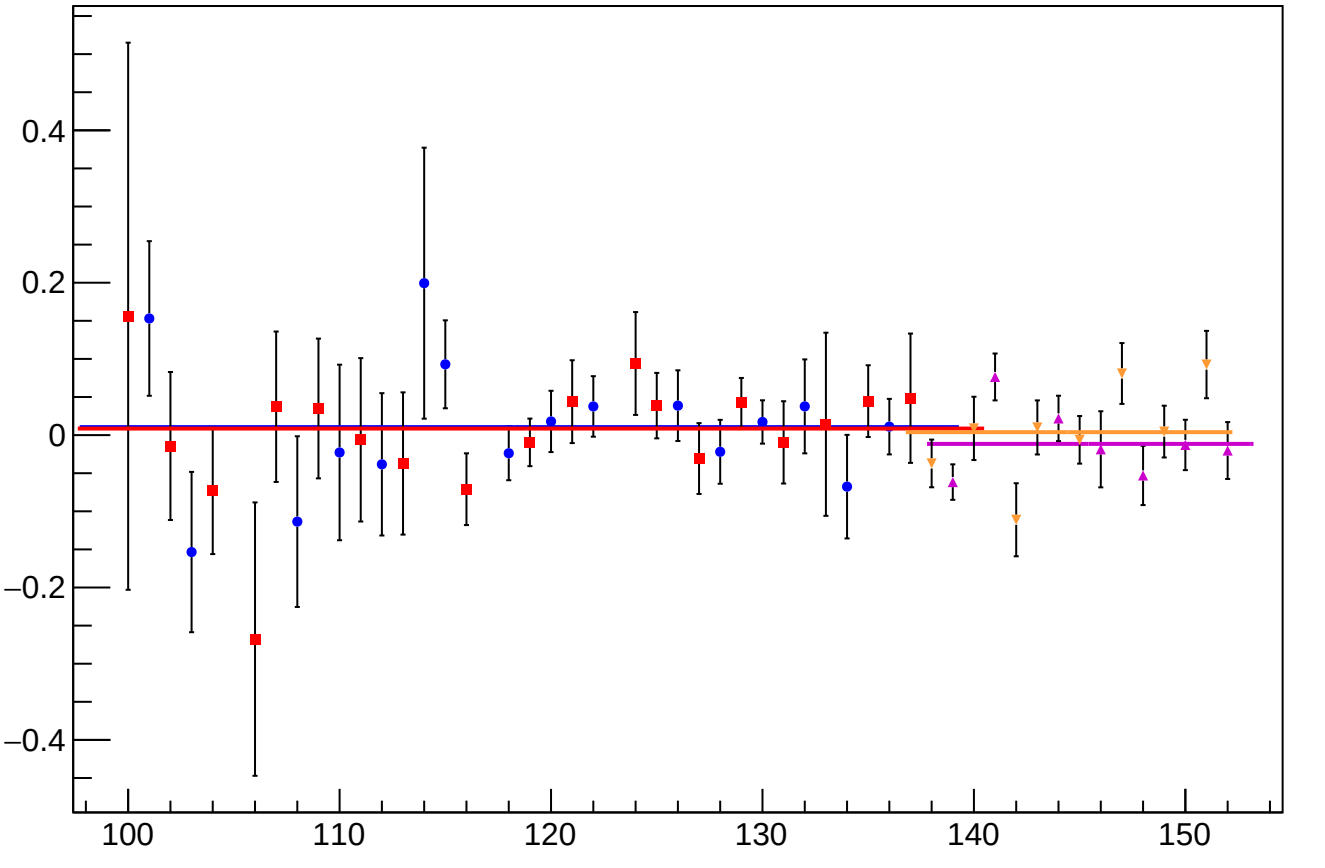
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.788+/-0.009 χ^2/NDF:511122.6/6

+ sign 30.444+/-0.006 χ^2/NDF: 2699098.5/23

All: 30.286+/-0.005 χ^2/NDF: 5915670.0/49

- sign 30.130+/-0.006 χ^2/NDF: 3215359.2/25



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.004+/-0.013 χ^2/NDF:15.4/7

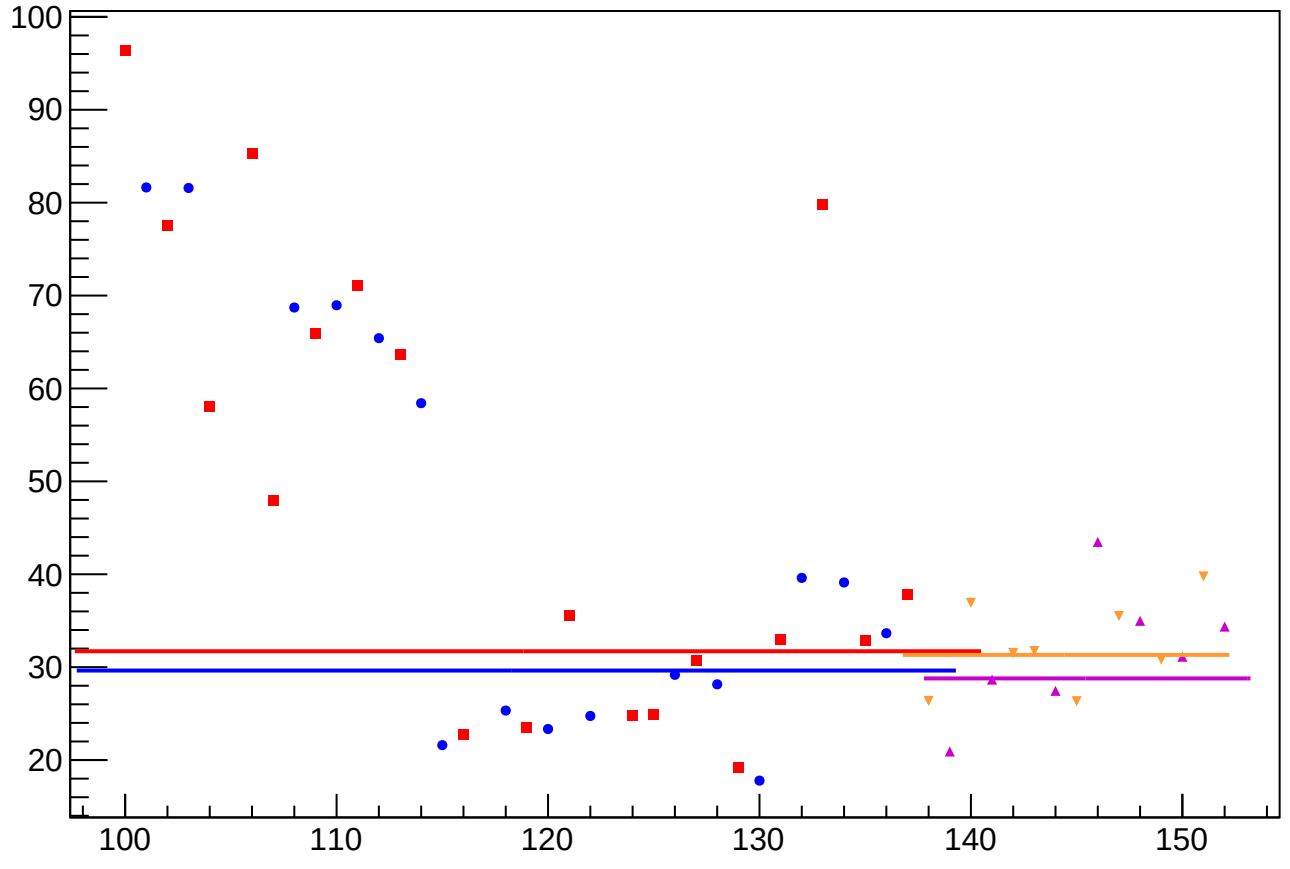
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.012+/-0.012 χ^2/NDF:15.2/6

+ sign 0.007+/-0.009 χ^2/NDF: 28.6/23

All: 0.002+/-0.006 χ^2/NDF: 58.1/49

- sign -0.002+/-0.009 χ^2/NDF: 28.9/25



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.320+/-0.009 χ^2/NDF:233322.9/7

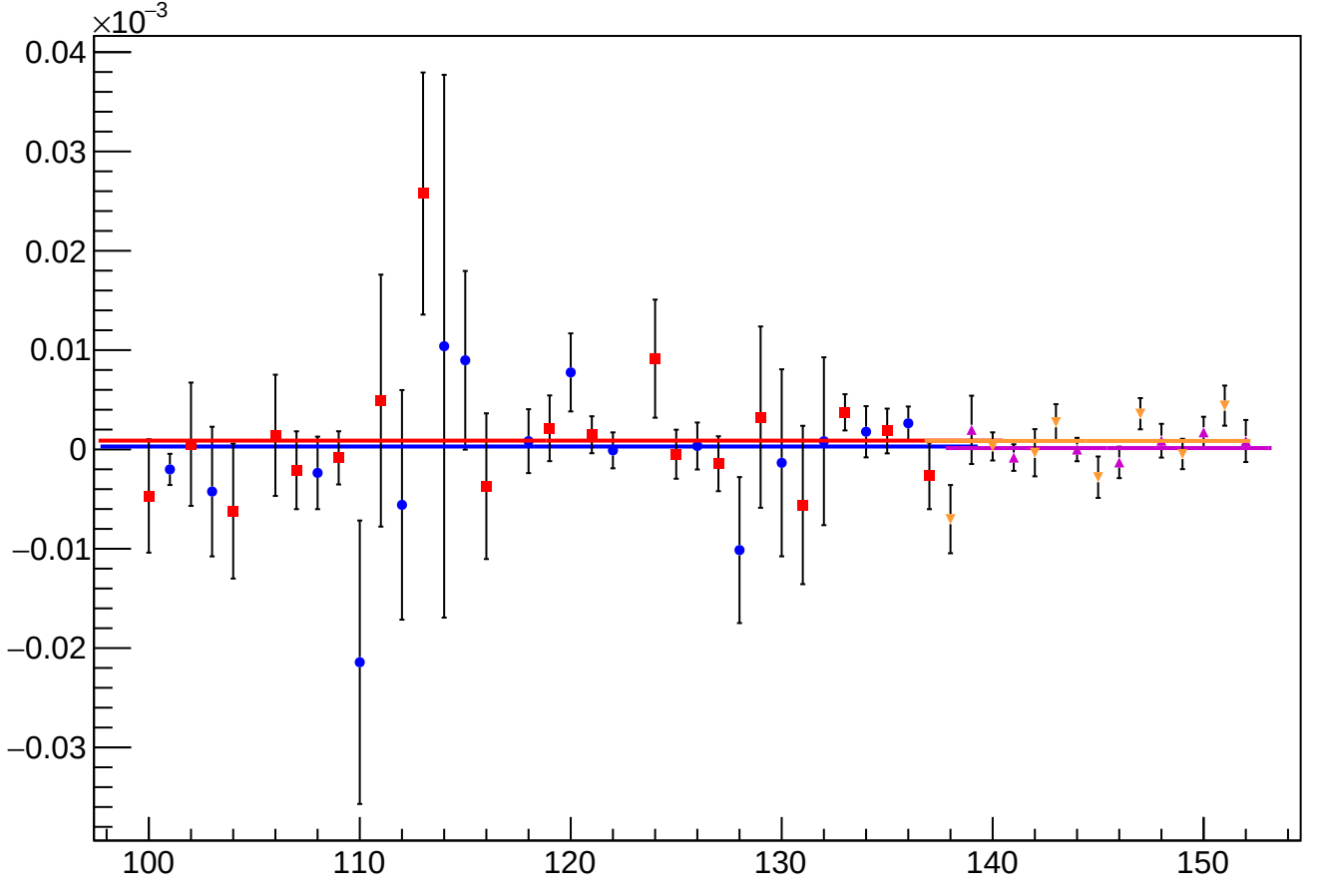
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.788+/-0.009 χ^2/NDF:511122.6/6

+ sign 30.444+/-0.006 χ^2/NDF: 2699098.5/23

All: 30.286+/-0.005 χ^2/NDF: 5915670.0/49

- sign 30.130+/-0.006 χ^2/NDF: 3215359.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.7/7

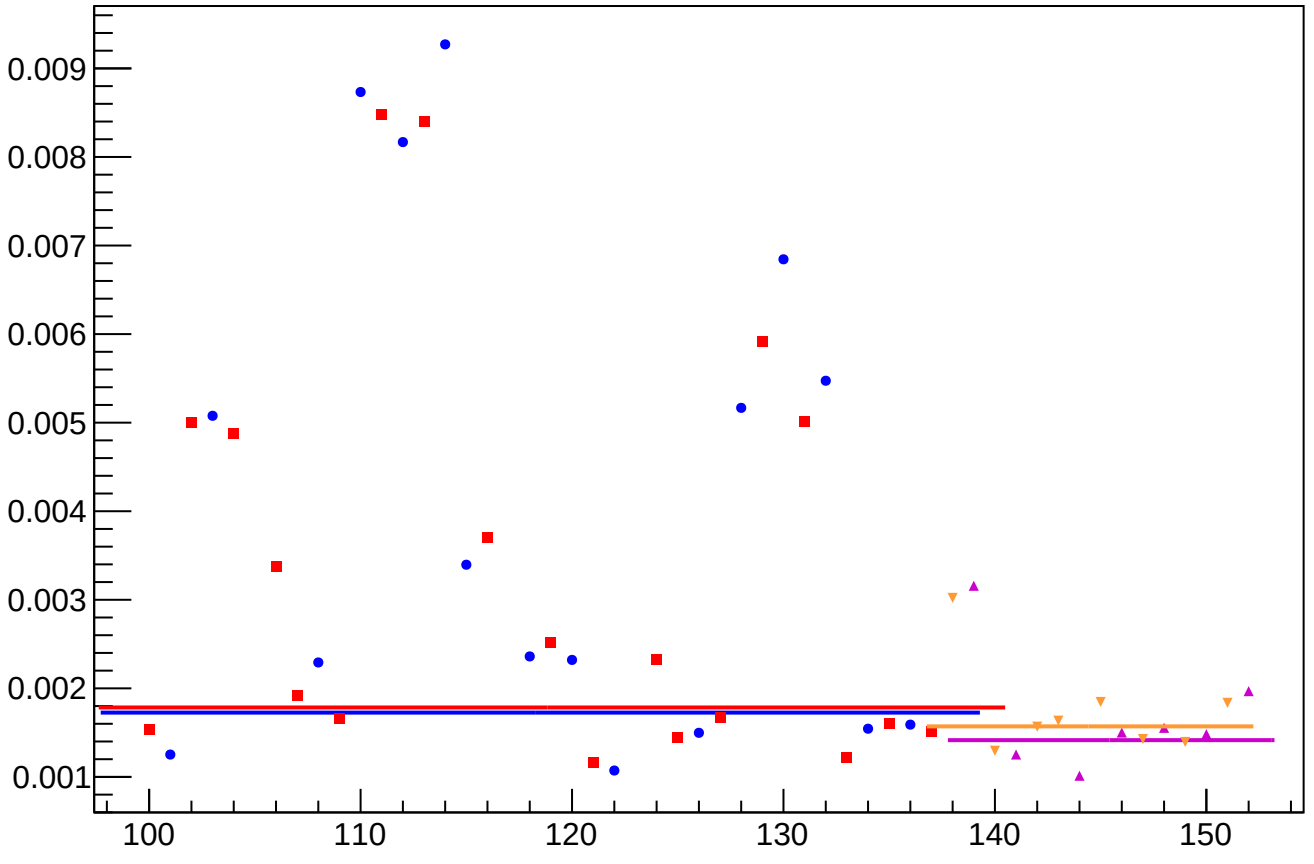
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/23

All: 0.000+/-0.000 χ^2/NDF: 50.8/49

- sign 0.000+/-0.000 χ^2/NDF: 18.9/25



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:547381.0/7

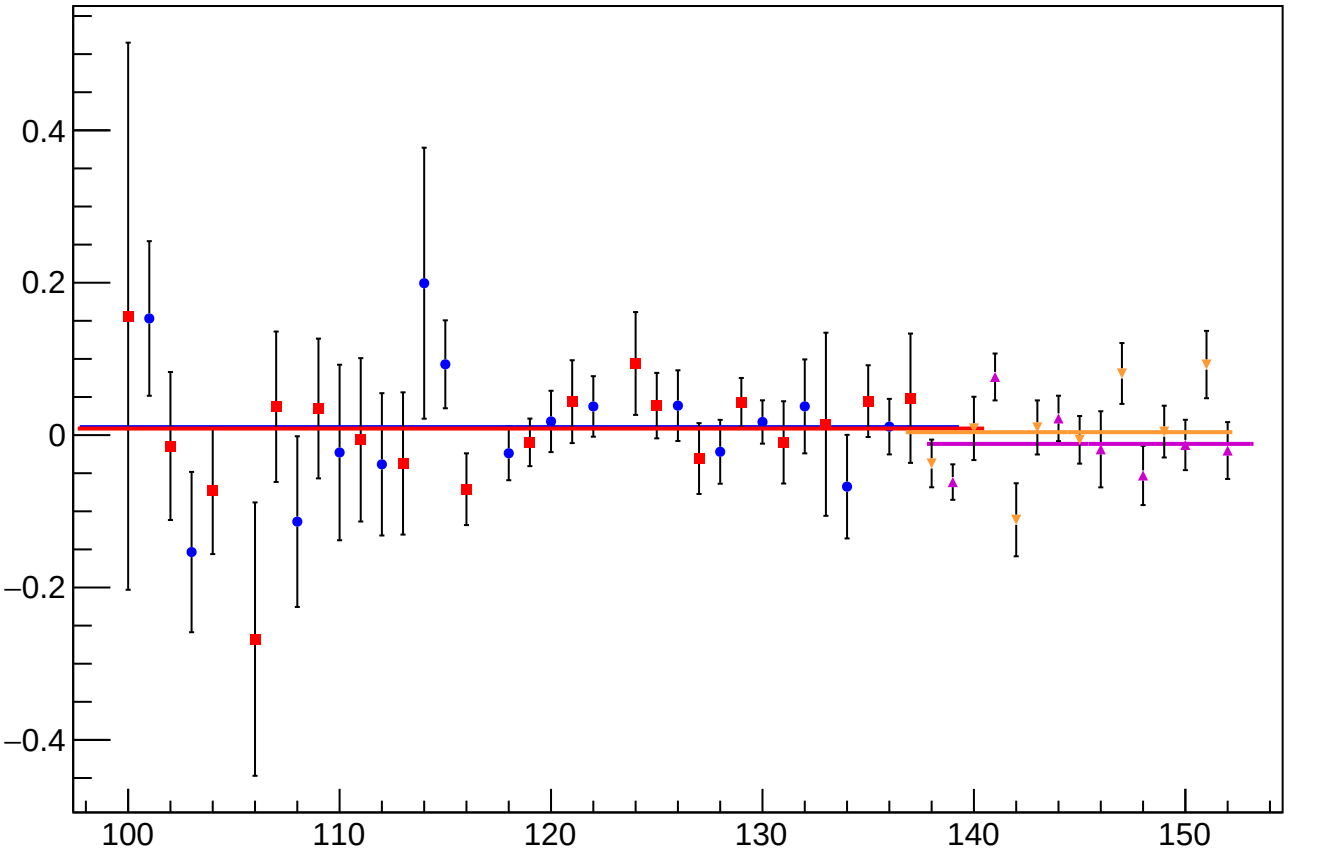
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:936389.2/6

+ sign 0.002+/-0.000 χ^2/NDF: 4527939.6/23

All: 0.002+/-0.000 χ^2/NDF: 9492941.3/49

- sign 0.002+/-0.000 χ^2/NDF: 4936493.6/25



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.004+/-0.013 χ^2/NDF:15.4/7

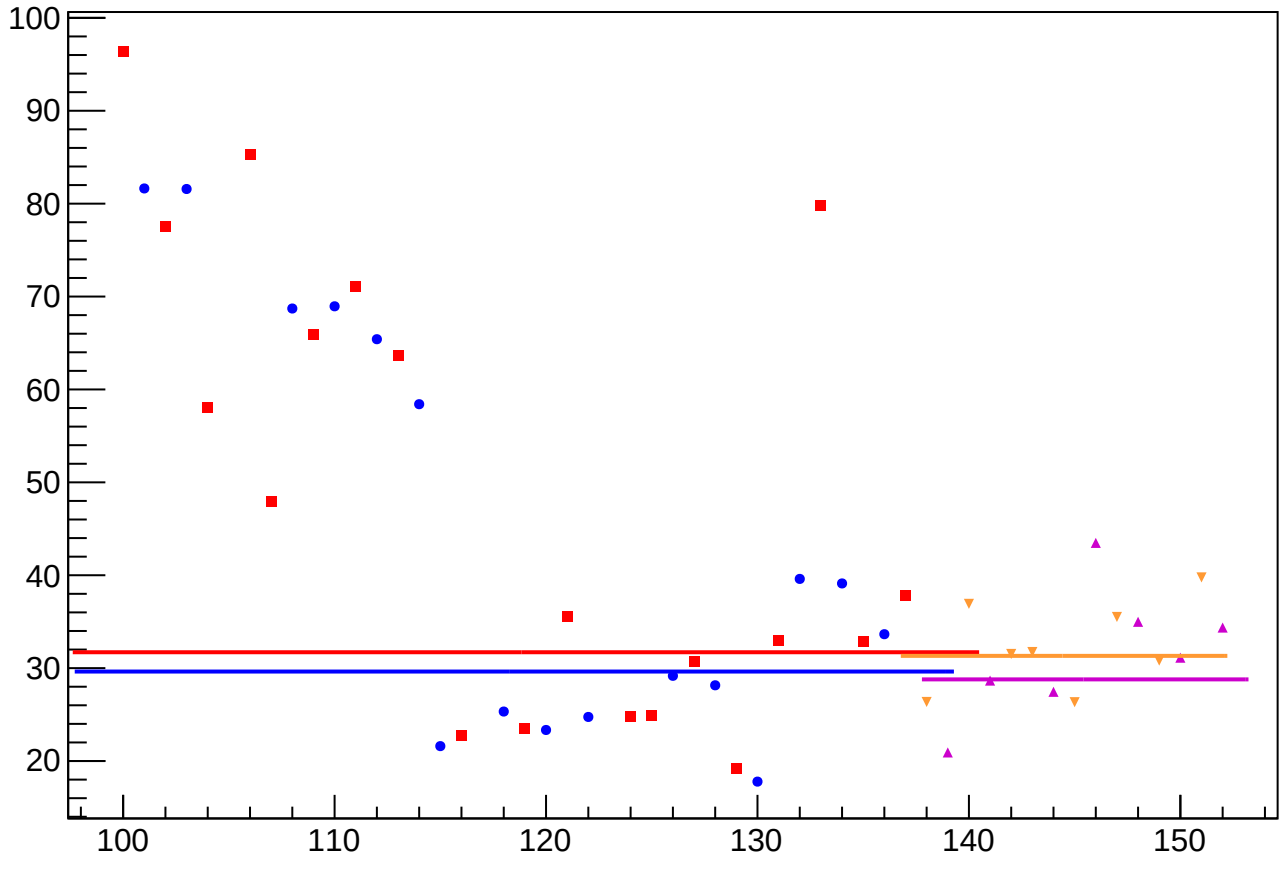
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.012+/-0.012 χ^2/NDF:15.2/6

+ sign 0.007+/-0.009 χ^2/NDF: 28.6/23

All: 0.002+/-0.006 χ^2/NDF: 58.1/49

- sign -0.002+/-0.009 χ^2/NDF: 28.9/25



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.321+/-0.009 χ^2/NDF:233323.9/7

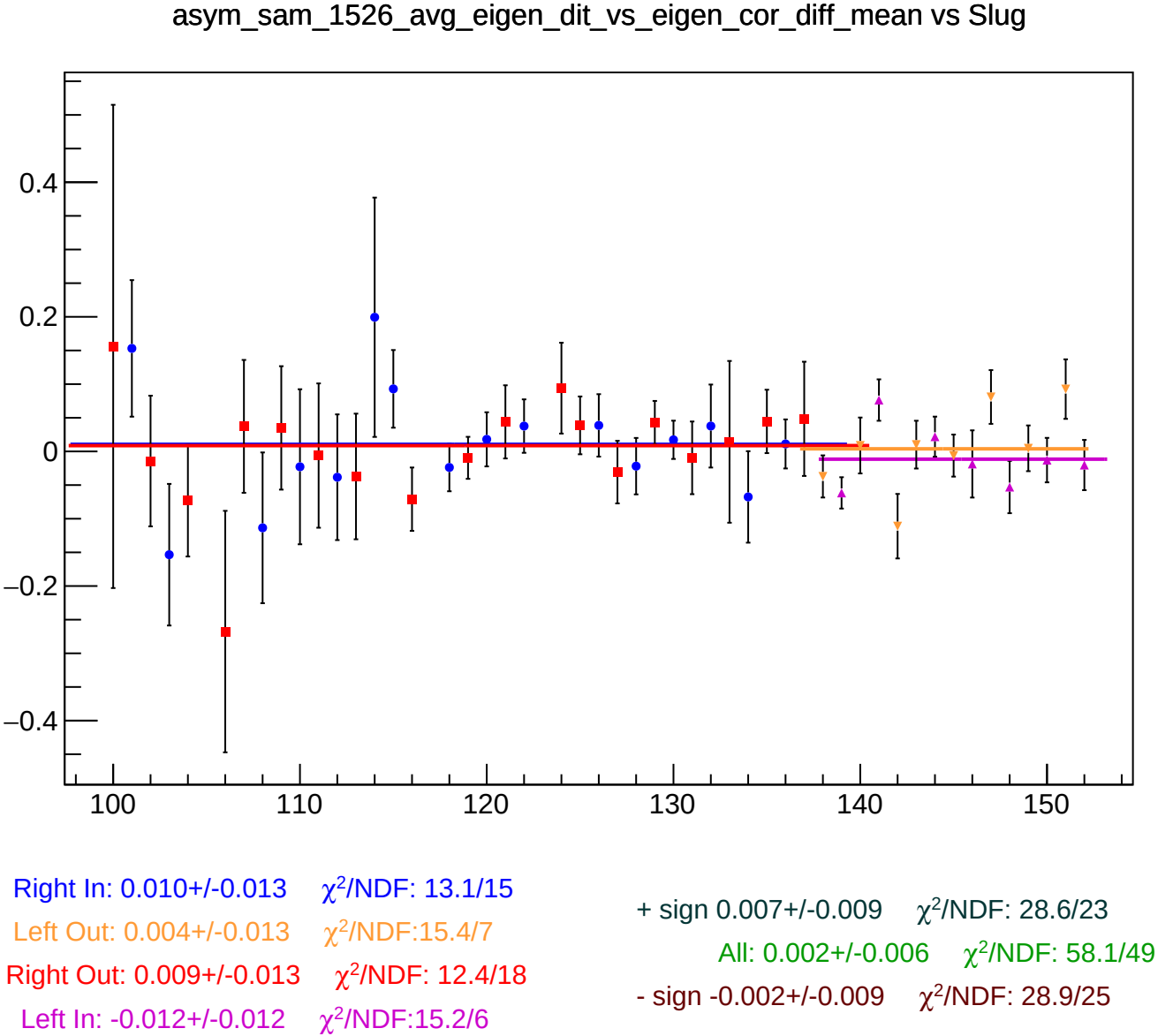
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

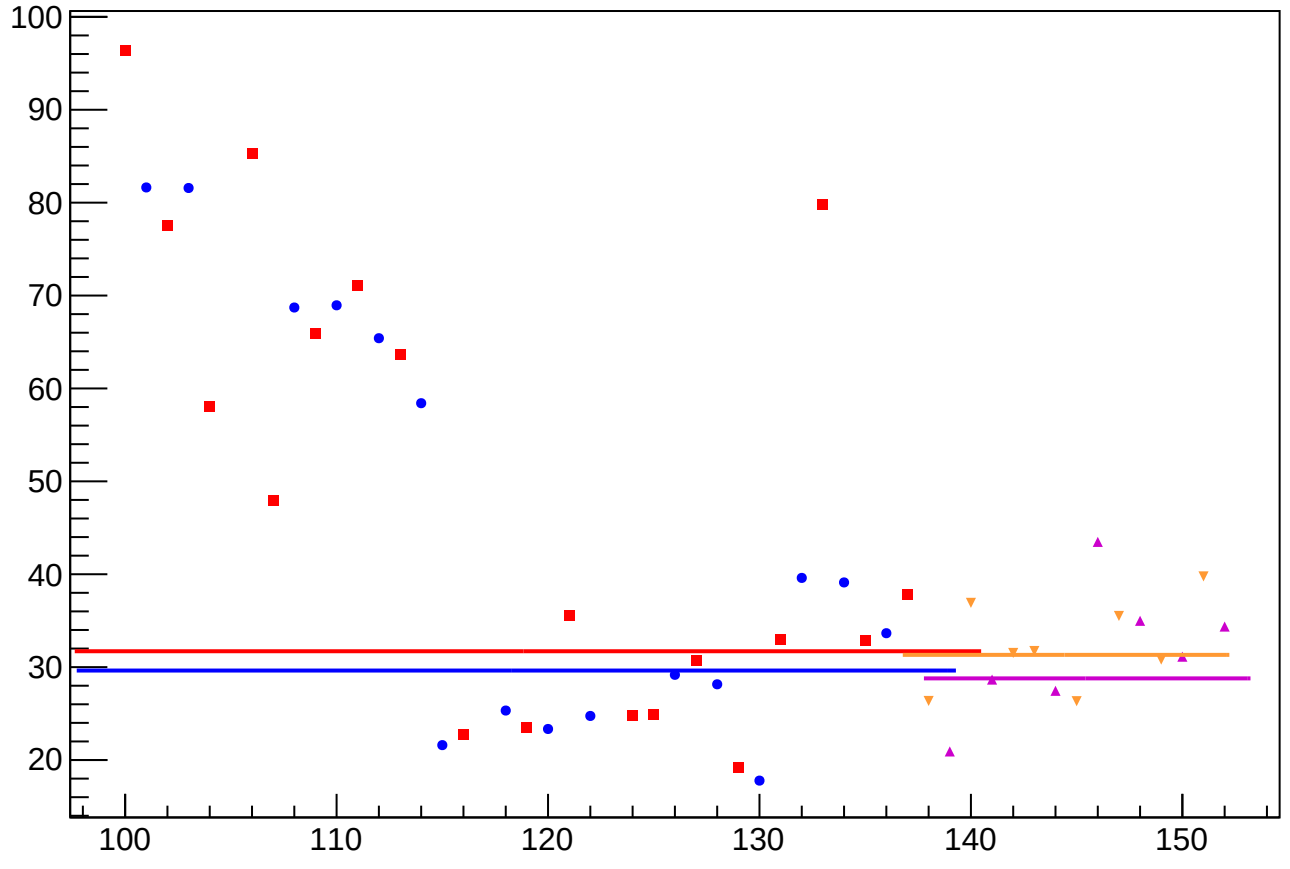
Left In: 28.789+/-0.009 χ^2/NDF:511115.6/6

\+ sign 30.444+/-0.006 χ^2/NDF: 2699338.3/23

All: 30.285+/-0.005 χ^2/NDF: 5916007.7/49

\- sign 30.130+/-0.006 χ^2/NDF: 3215458.6/25


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: 0.004+/-0.013 χ²/NDF:15.4/7
Right Out: 0.009+/-0.013 χ²/NDF: 12.4/18
Left In: -0.012+/-0.012 χ²/NDF:15.2/6
+ sign 0.007+/-0.009 χ²/NDF: 28.6/23
All: 0.002+/-0.006 χ²/NDF: 58.1/49
- sign -0.002+/-0.009 χ²/NDF: 28.9/25



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.321+/-0.009 χ^2/NDF:233323.9/7

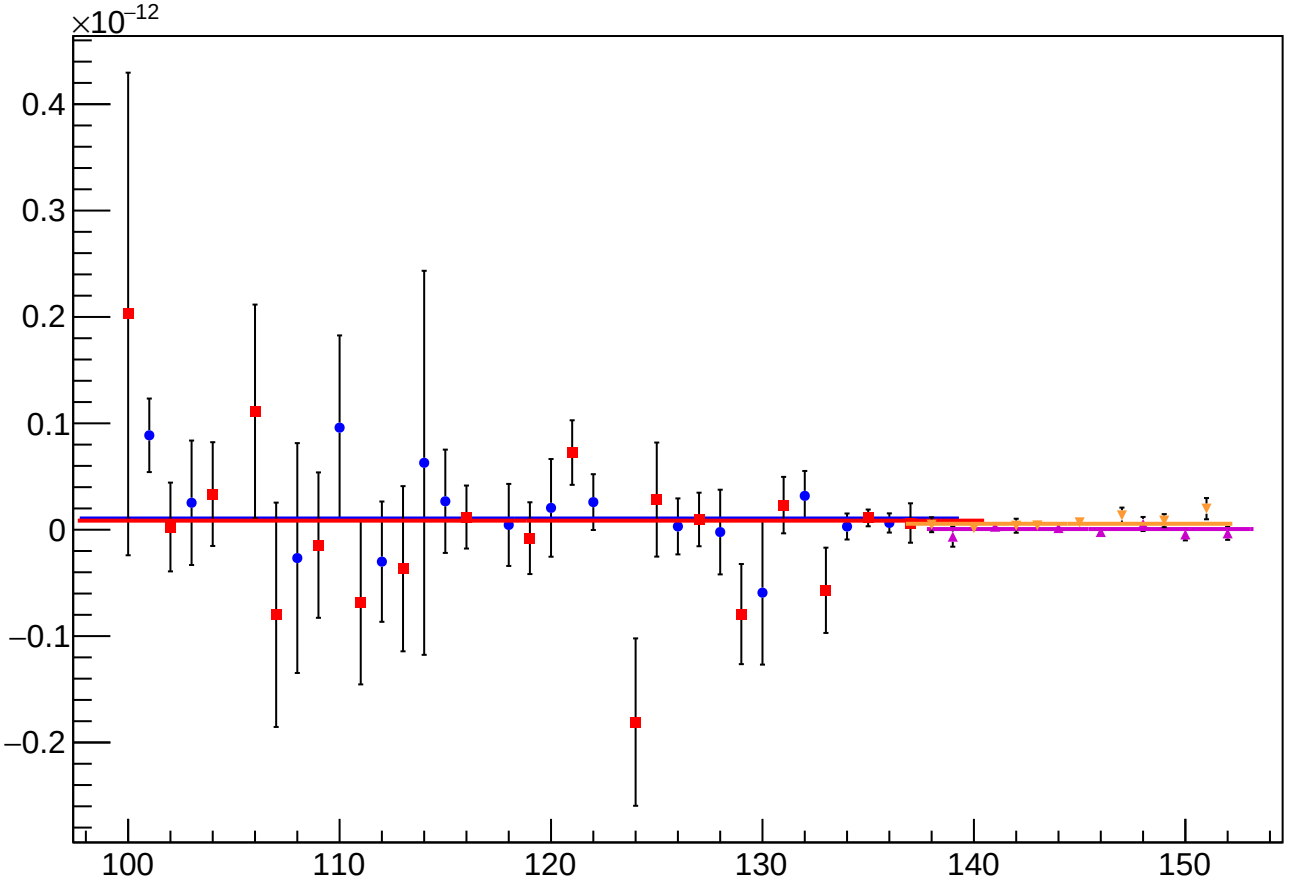
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.789+/-0.009 χ^2/NDF:511115.6/6

+ sign 30.444+/-0.006 χ^2/NDF: 2699338.3/23

All: 30.285+/-0.005 χ^2/NDF: 5916007.7/49

- sign 30.130+/-0.006 χ^2/NDF: 3215458.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/7

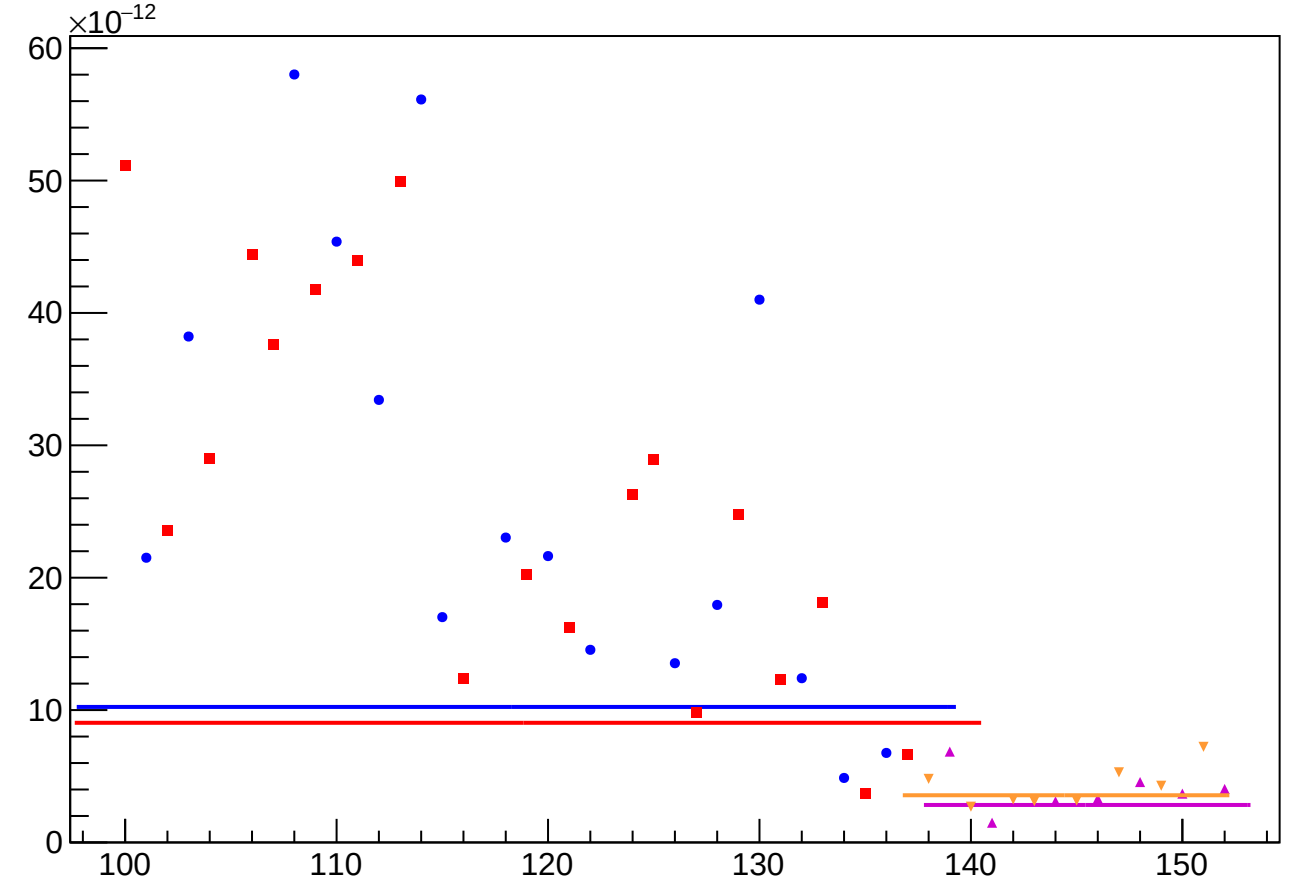
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 15.6/23

All: 0.000+/-0.000 χ^2/NDF: 46.0/49

- sign 0.000+/-0.000 χ^2/NDF: 26.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:618967.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

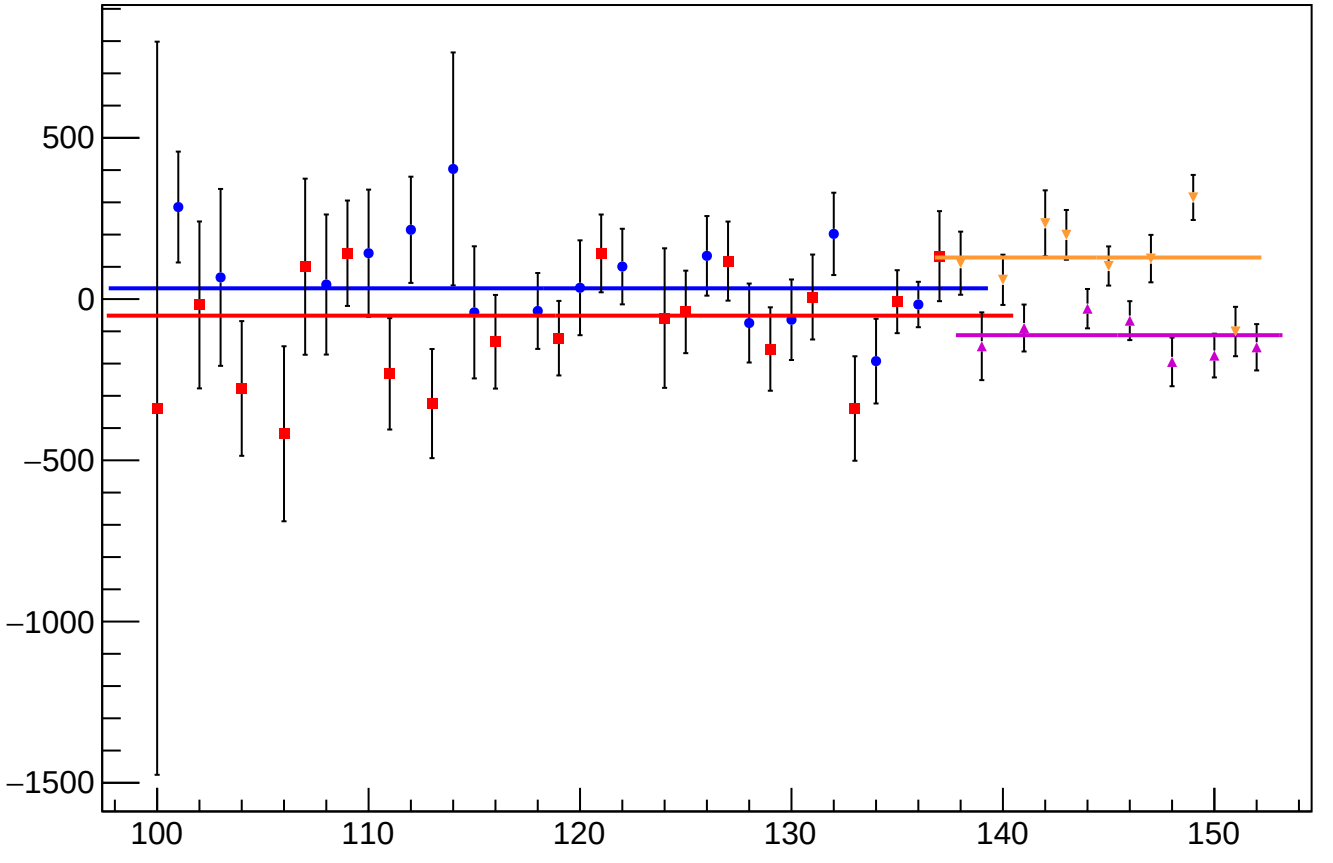
Left In: 0.000+/-0.000 χ^2/NDF:1150174.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 6378184.2/23

All: 0.000+/-0.000 χ^2/NDF: 14319996.6/49

- sign 0.000+/-0.000 χ^2/NDF: 7690970.0/25

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 128.912+/-27.068 χ^2/NDF:19.0/7

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

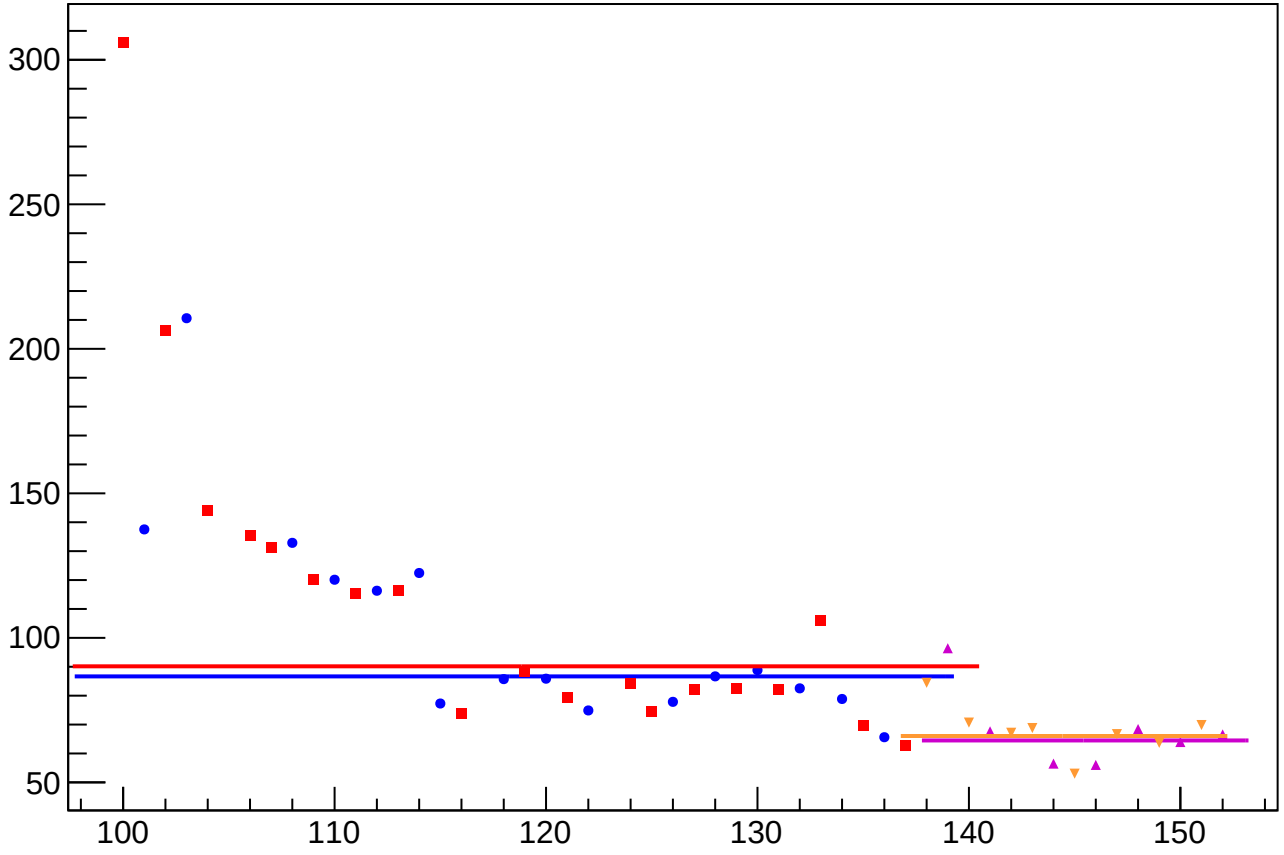
Left In: -111.948+/-26.634 χ^2/NDF:4.9/6

+ sign 91.712+/-21.148 χ^2/NDF: 36.7/23

All: 1.116+/-14.959 χ^2/NDF: 99.8/49

- sign -89.600+/-21.162 χ^2/NDF: 26.4/25

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 66.045+/-0.019 χ^2/NDF:180177.6/7

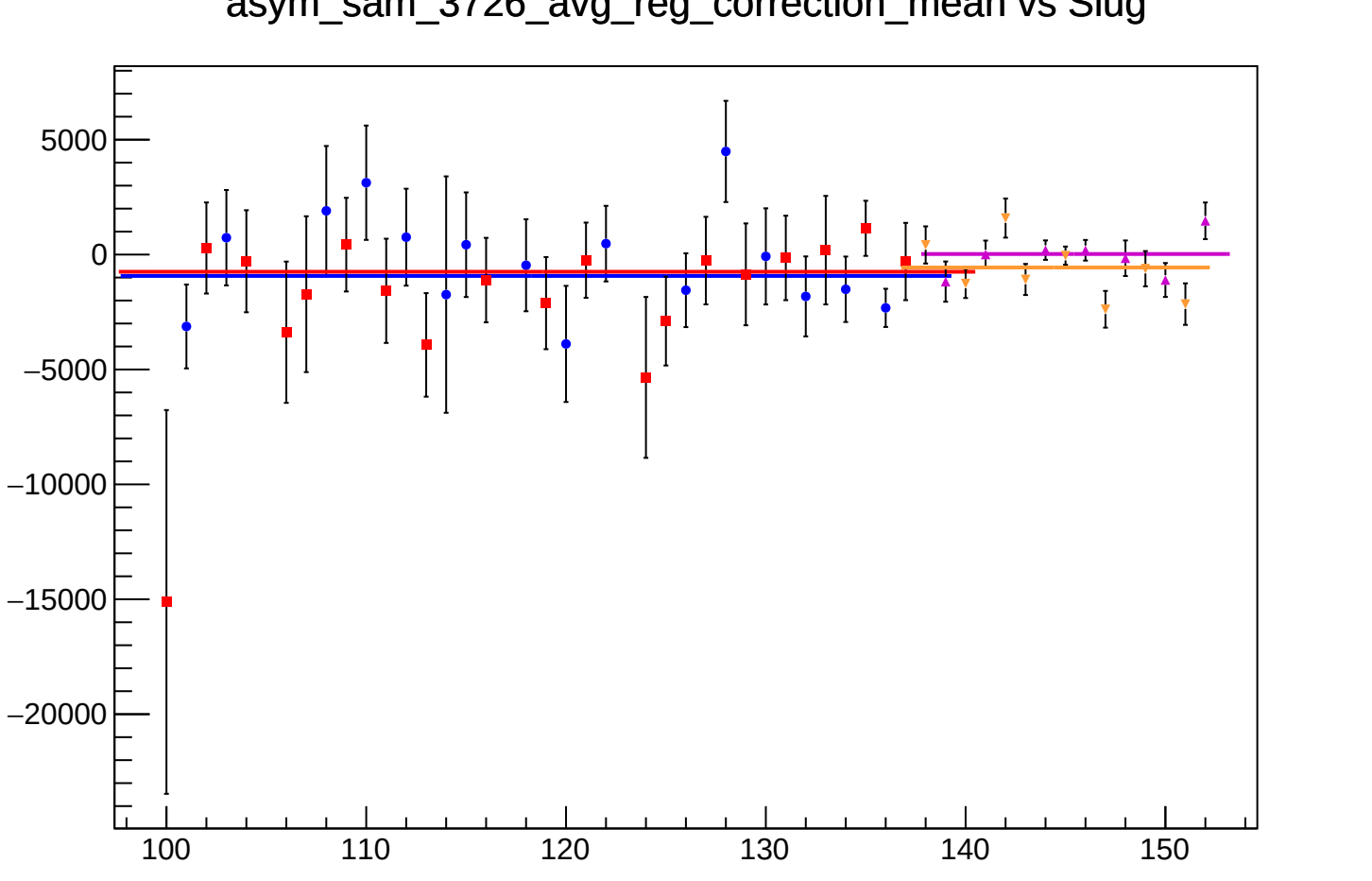
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.503+/-0.019 χ^2/NDF:269187.2/6

+ sign 74.079+/-0.015 χ^2/NDF: 1671237.5/23

All: 74.020+/-0.011 χ^2/NDF: 3774323.2/49

- sign 73.961+/-0.015 χ^2/NDF: 2103054.4/25



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -562.547+/-232.320 χ^2/NDF:19.7/7

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

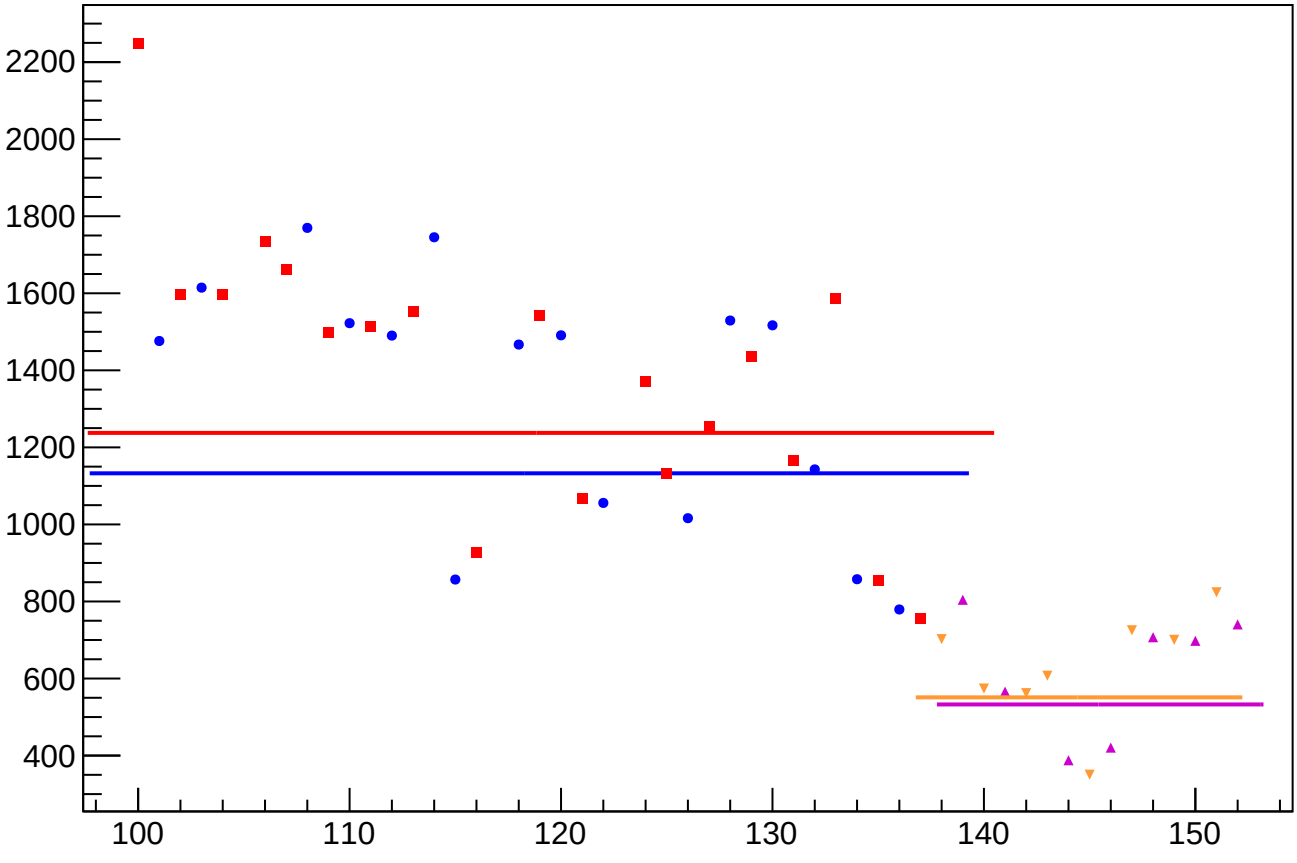
Left In: 24.929+/-225.498 χ^2/NDF:7.9/6

+ sign -642.362+/-205.532 χ^2/NDF: 38.8/23

All: -378.427+/-144.479 χ^2/NDF: 65.1/49

- sign -120.604+/-203.138 χ^2/NDF: 23.1/25

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 551.096+/-0.164 χ^2/NDF:956587.6/7

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

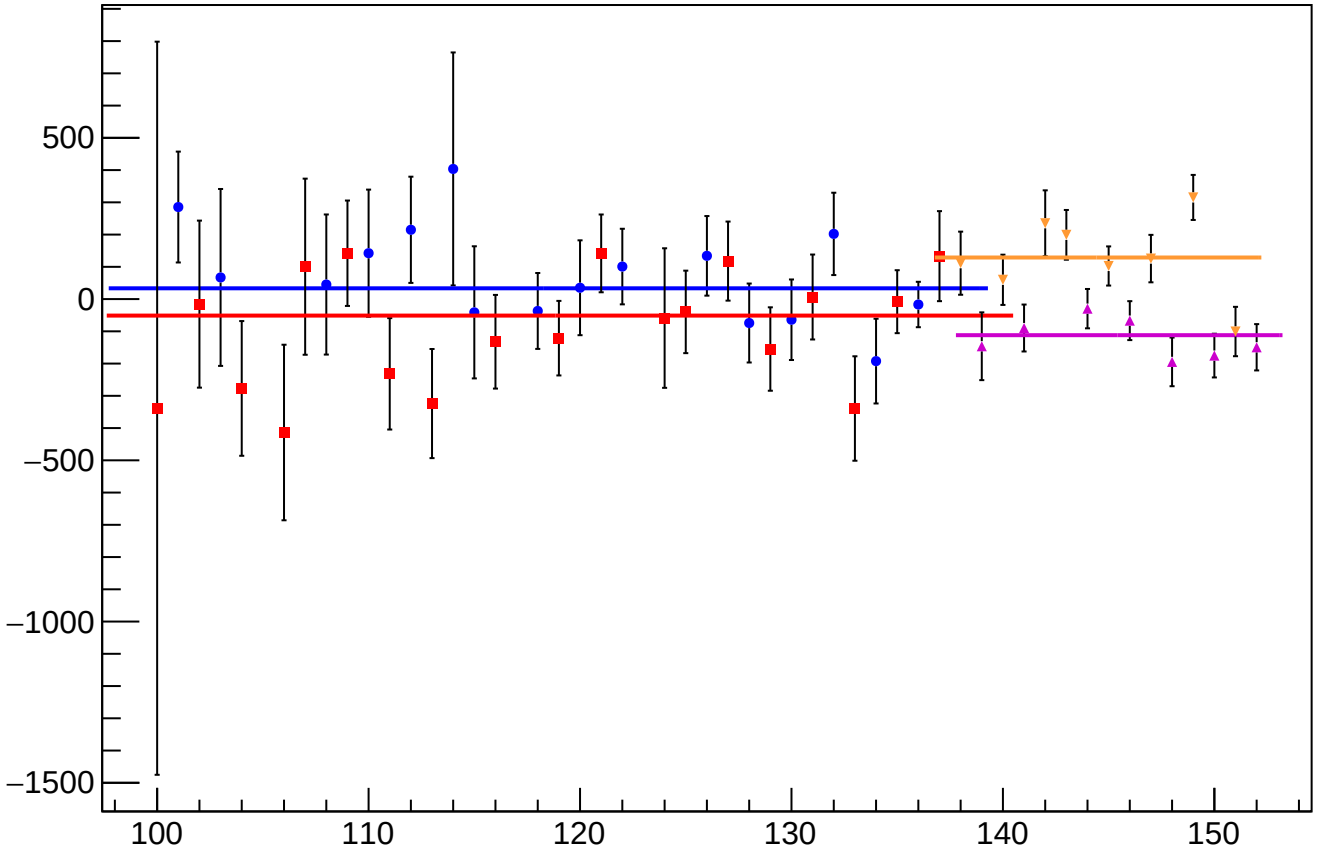
Left In: 532.709+/-0.159 χ^2/NDF:895384.4/6

+ sign 677.486+/-0.145 χ^2/NDF: 4804603.2/23

All: 671.457+/-0.102 χ^2/NDF: 10282113.6/49

- sign 665.568+/-0.144 χ^2/NDF: 5474108.2/25

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 128.917+/-27.068 χ^2/NDF:19.0/7

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

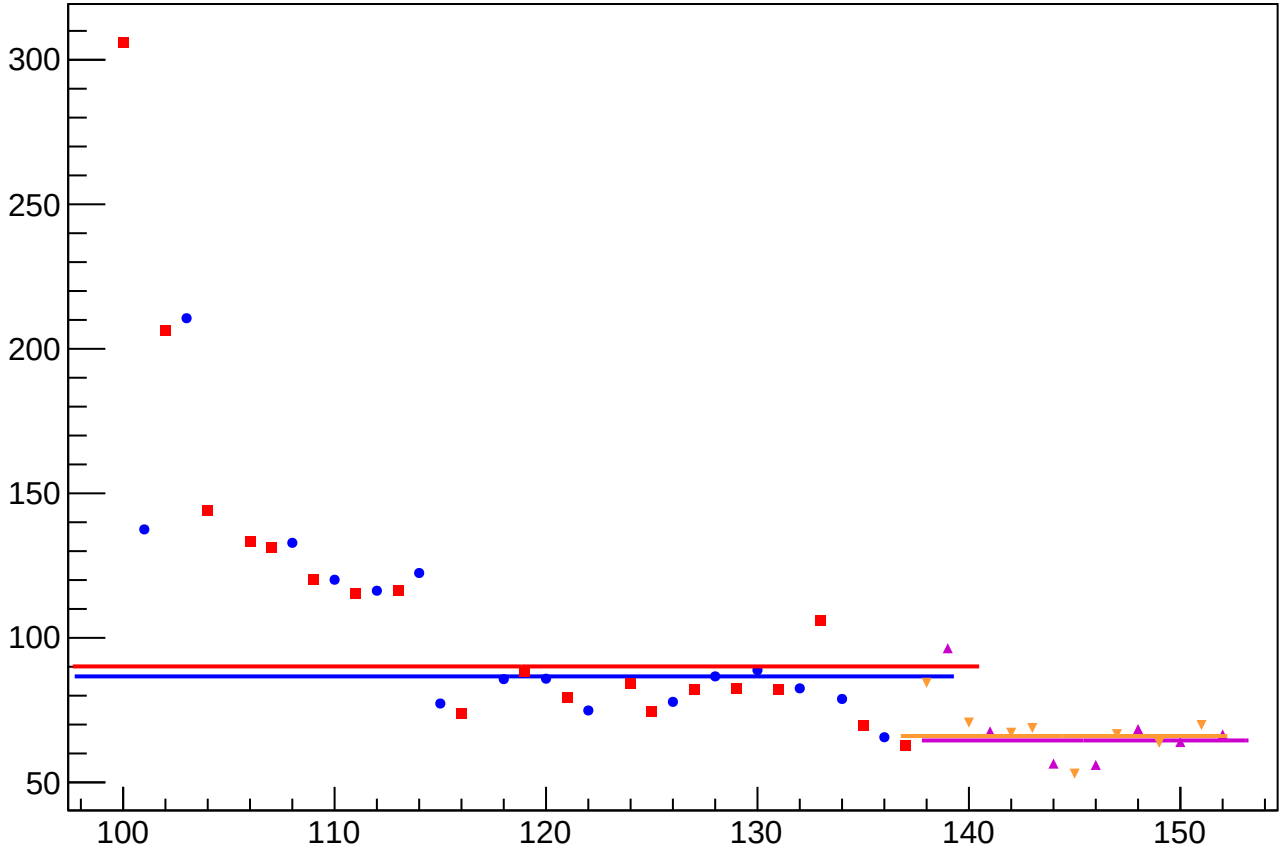
Left In: -111.948+/-26.634 χ^2/NDF:4.9/6

+ sign 91.712+/-21.148 χ^2/NDF: 36.7/23

All: 1.145+/-14.959 χ^2/NDF: 99.7/49

- sign -89.547+/-21.162 χ^2/NDF: 26.4/25

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 66.045+/-0.019 χ^2/NDF:180177.7/7

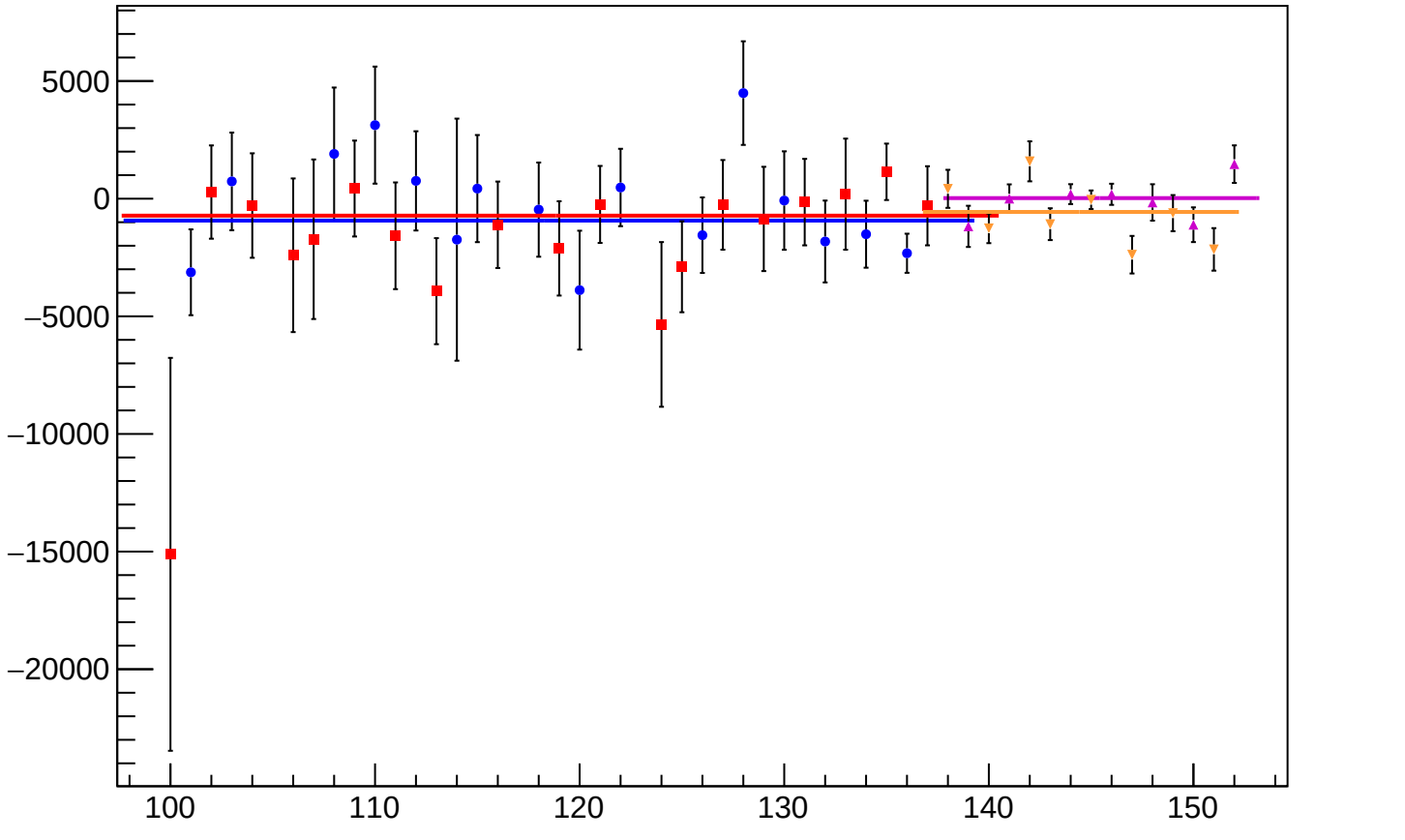
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.503+/-0.019 χ^2/NDF:269187.2/6

+ sign 74.079+/-0.015 χ^2/NDF: 1671240.1/23

All: 74.013+/-0.011 χ^2/NDF: 3767611.6/49

- sign 73.946+/-0.015 χ^2/NDF: 2096332.1/25



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -562.541+/-232.320 χ^2/NDF:19.7/7

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

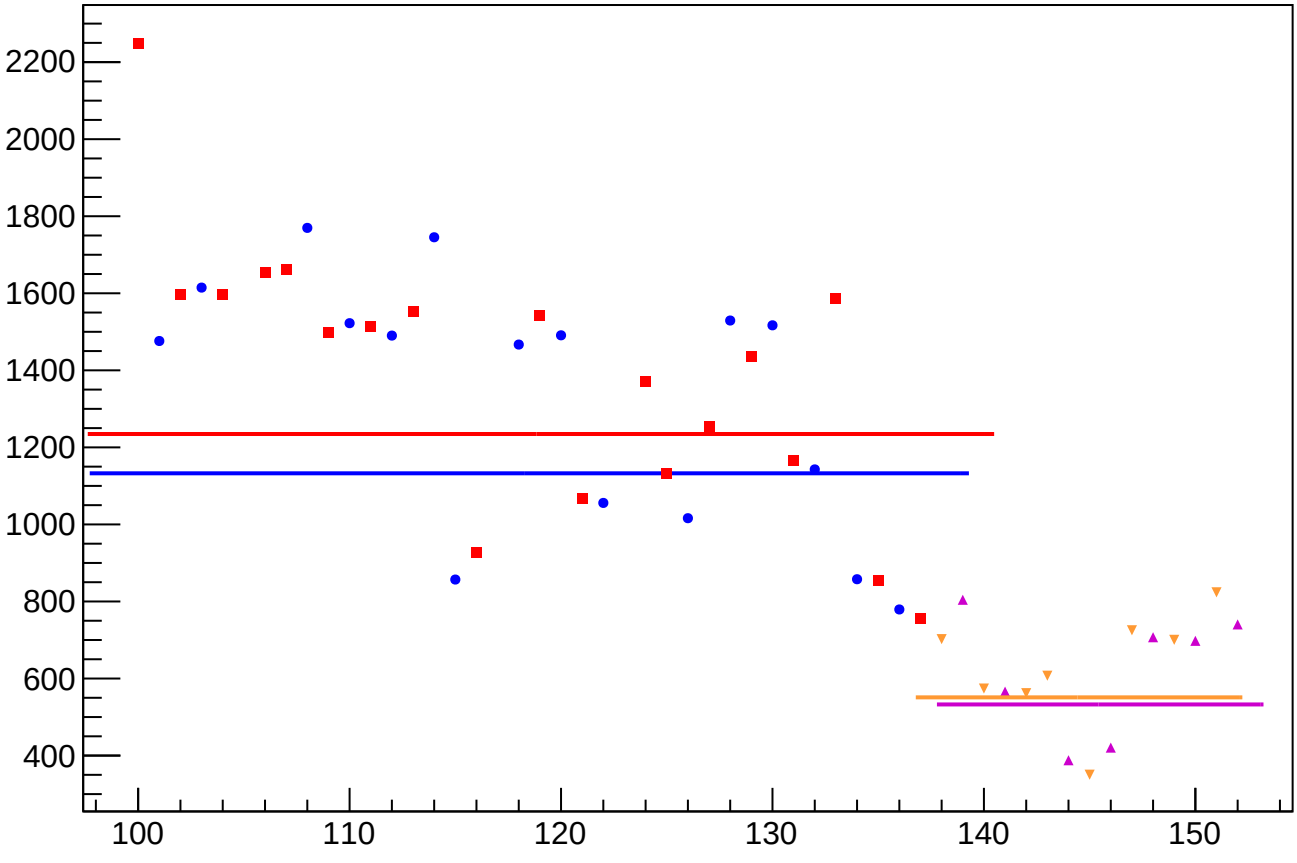
Left In: 24.926+/-225.498 χ^2/NDF:7.9/6

+ sign -642.349+/-205.532 χ^2/NDF: 38.8/23

All: -375.796+/-144.498 χ^2/NDF: 64.5/49

- sign -115.283+/-203.190 χ^2/NDF: 22.4/25

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 551.096+/-0.164 χ^2/NDF:956589.3/7

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

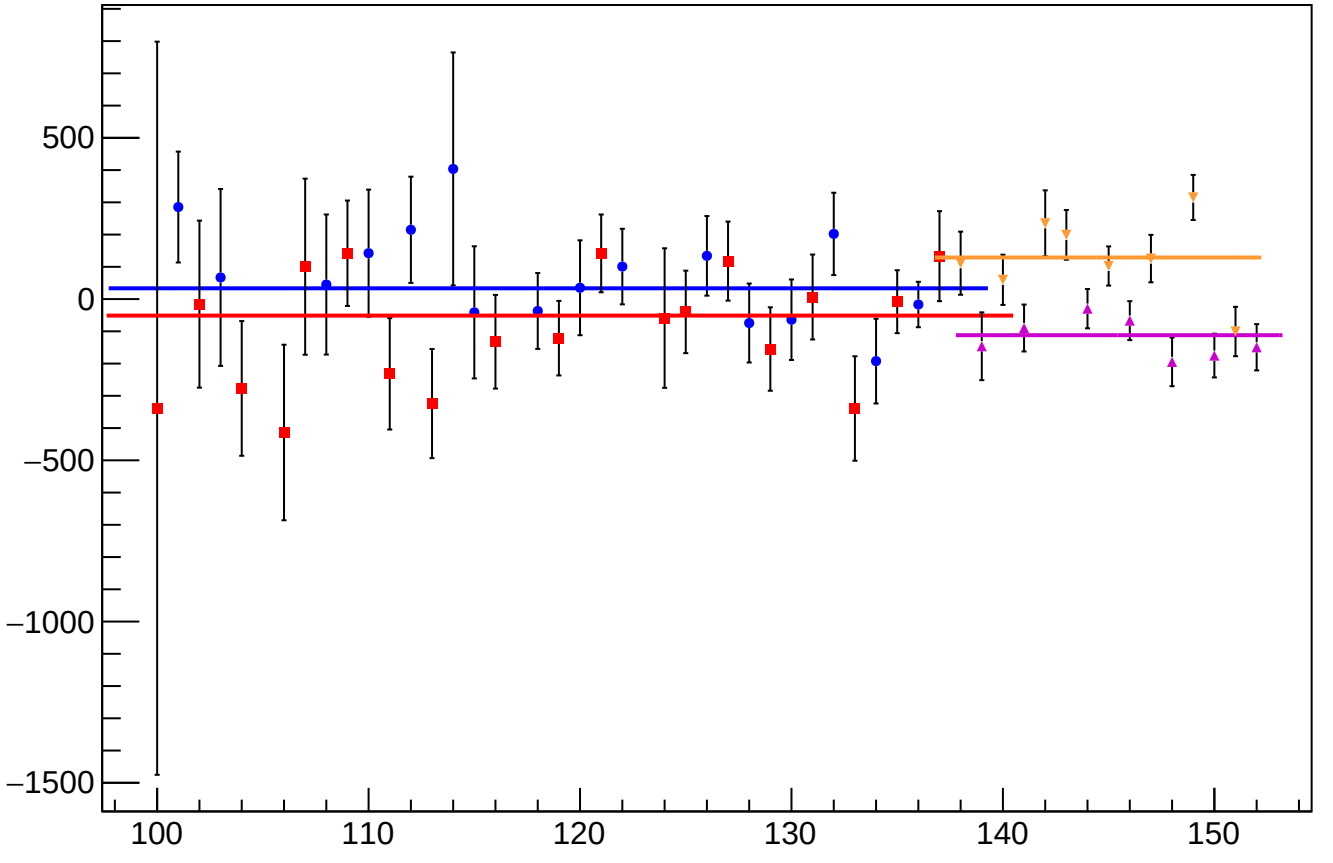
Left In: 532.709+/-0.159 χ^2/NDF:895386.2/6

+ sign 677.486+/-0.145 χ^2/NDF: 4804645.7/23

All: 671.036+/-0.102 χ^2/NDF: 10225478.6/49

- sign 664.732+/-0.144 χ^2/NDF: 5416938.5/25

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 128.917+/-27.068 χ^2/NDF:19.0/7

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

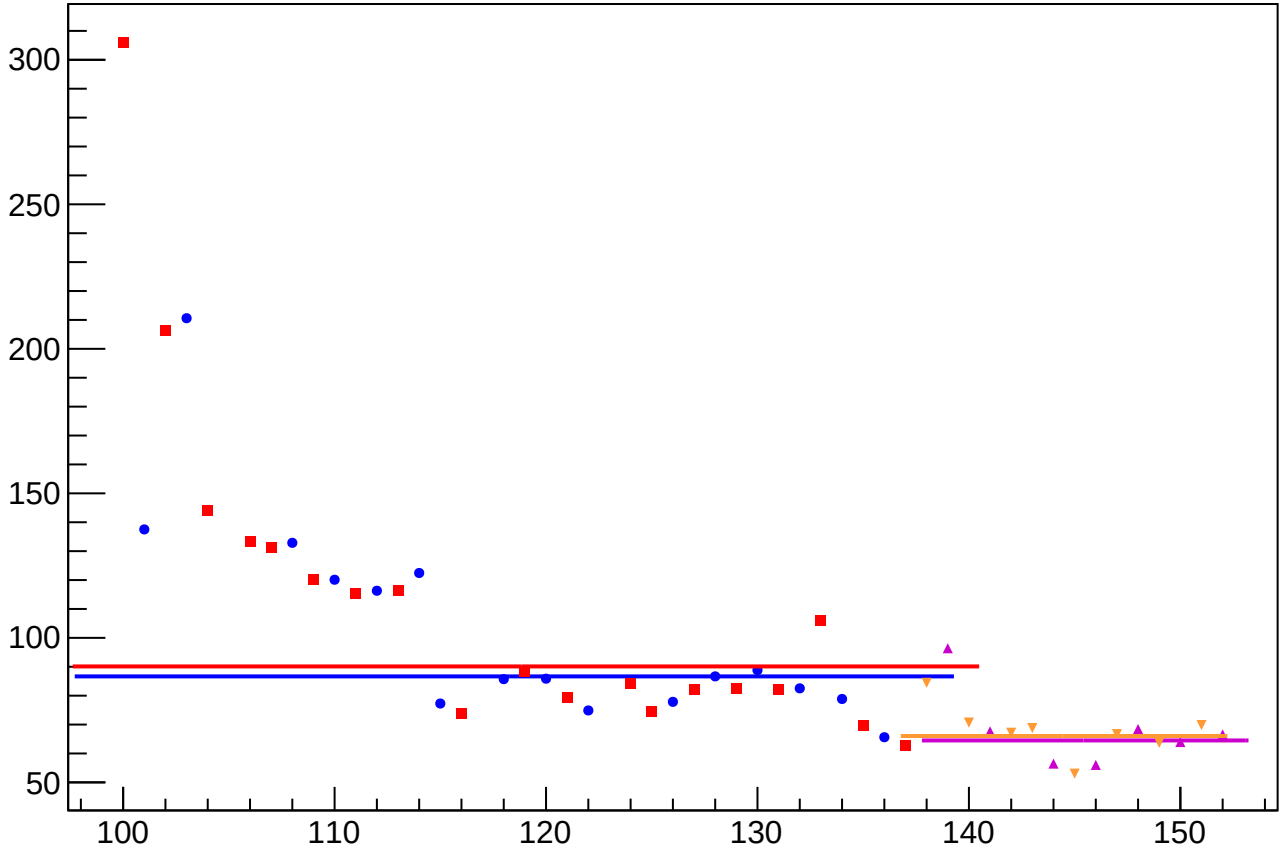
Left In: -111.948+/-26.634 χ^2/NDF:4.9/6

+ sign 91.712+/-21.148 χ^2/NDF: 36.7/23

All: 1.145+/-14.959 χ^2/NDF: 99.7/49

- sign -89.547+/-21.162 χ^2/NDF: 26.4/25

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 66.045+/-0.019 χ^2/NDF:180177.7/7

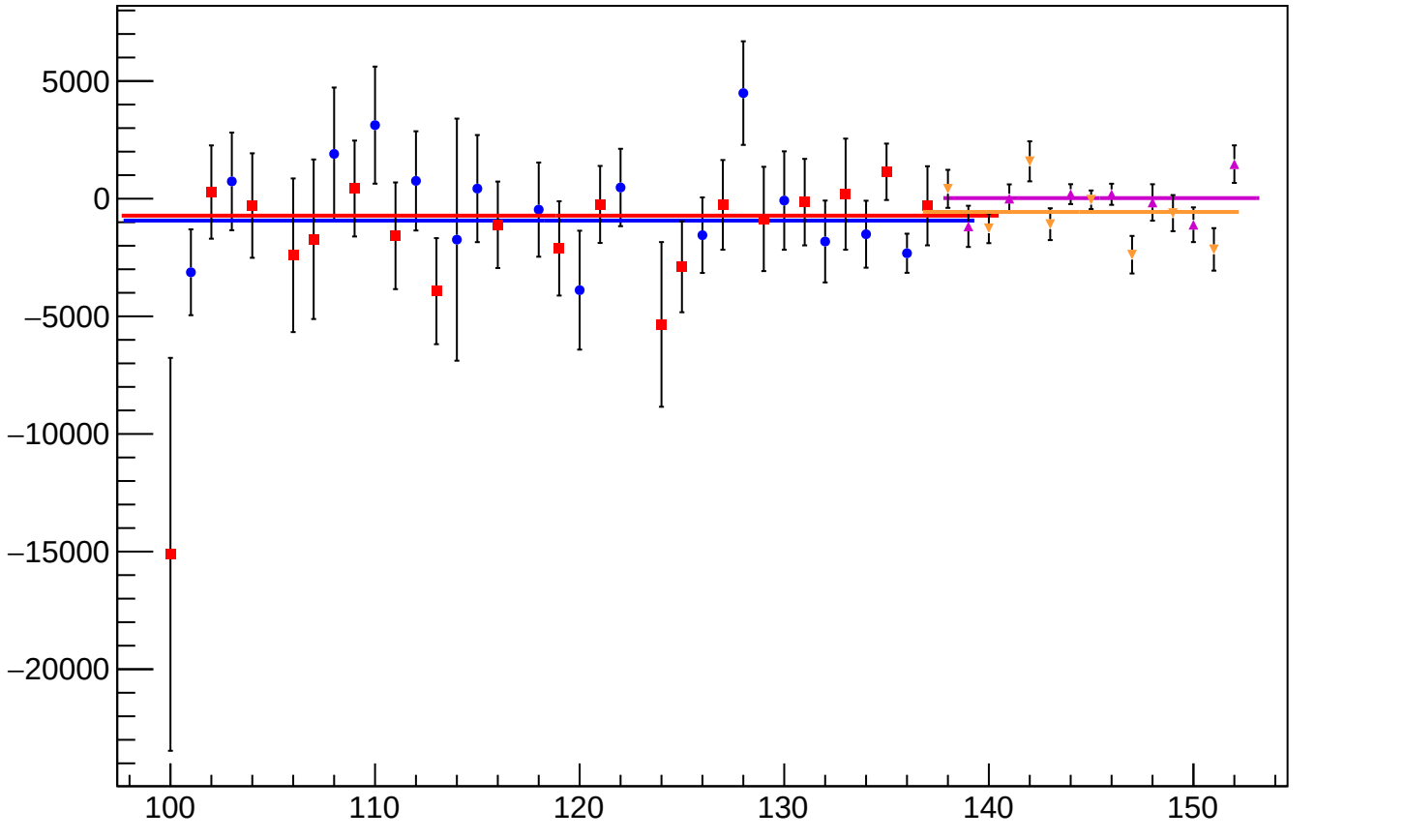
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.503+/-0.019 χ^2/NDF:269187.2/6

+ sign 74.079+/-0.015 χ^2/NDF: 1671240.1/23

All: 74.013+/-0.011 χ^2/NDF: 3767611.6/49

- sign 73.946+/-0.015 χ^2/NDF: 2096332.1/25



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -562.541+/-232.320 χ^2/NDF:19.7/7

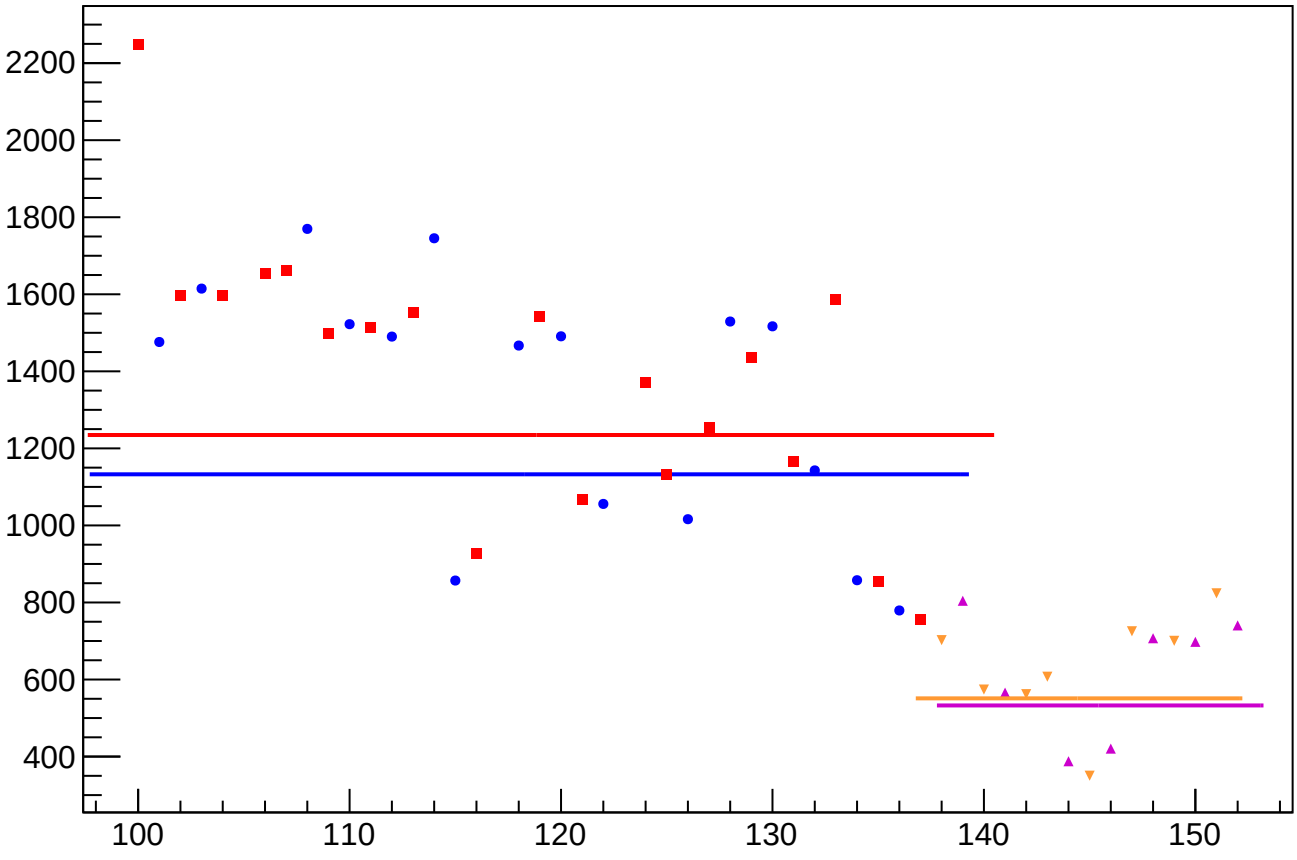
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 24.926+/-225.498 χ^2/NDF:7.9/6

+ sign -642.349+/-205.532 χ^2/NDF: 38.8/23

All: -375.796+/-144.498 χ^2/NDF: 64.5/49

- sign -115.283+/-203.190 χ^2/NDF: 22.4/25



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 551.096+/-0.164 χ^2/NDF:956589.3/7

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

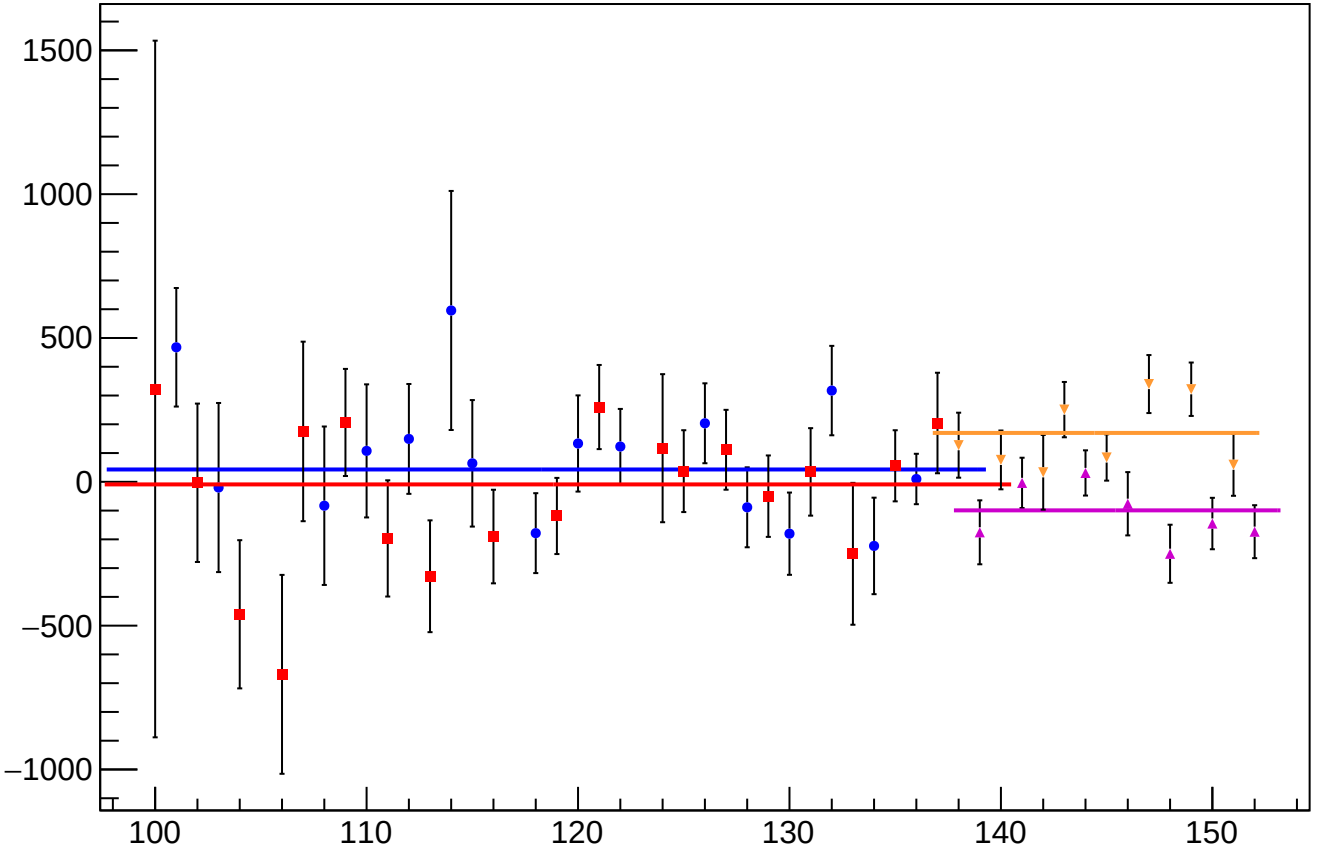
Left In: 532.709+/-0.159 χ^2/NDF:895386.2/6

+ sign 677.486+/-0.145 χ^2/NDF: 4804645.7/23

All: 671.036+/-0.102 χ^2/NDF: 10225478.6/49

- sign 664.732+/-0.144 χ^2/NDF: 5416938.5/25

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 169.989+/-35.446 χ^2/NDF:10.5/7

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

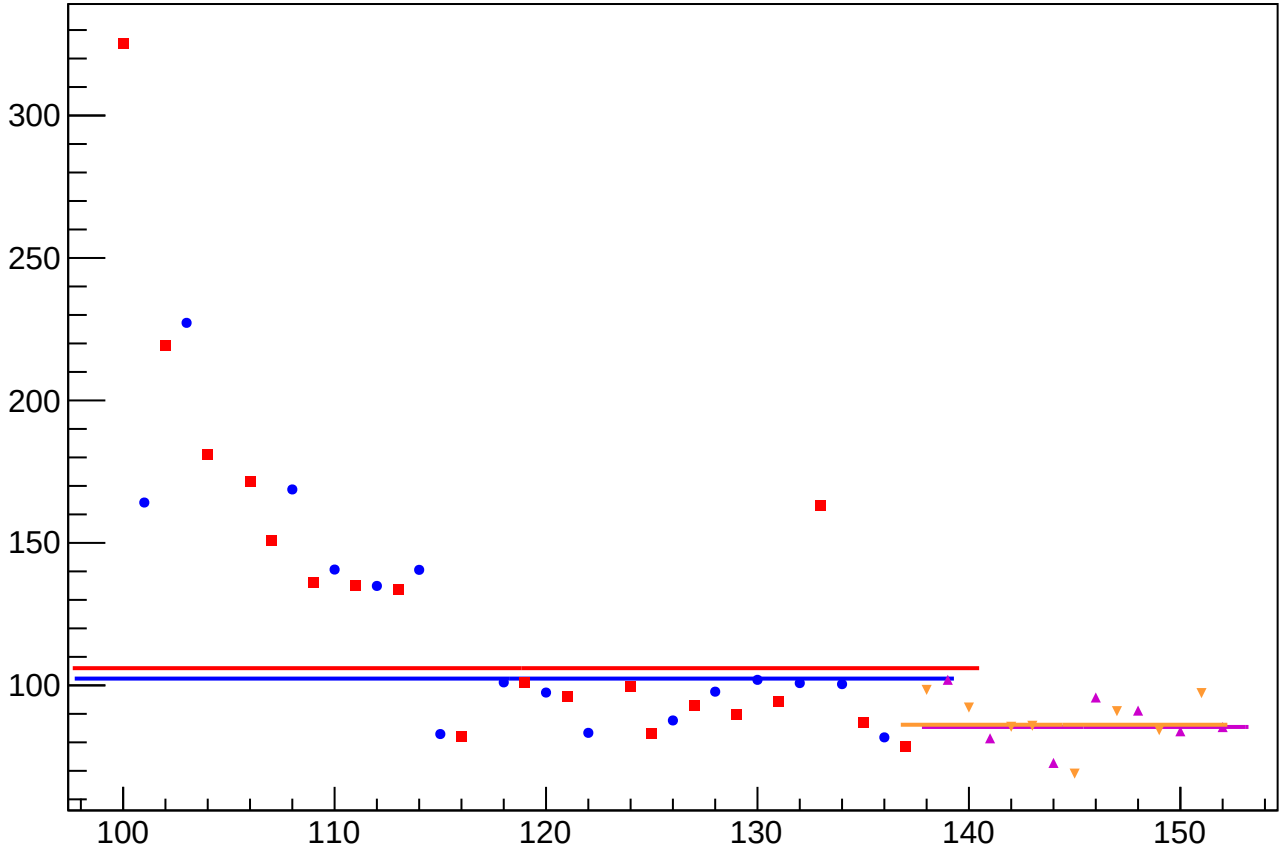
Left In: -99.230+/-35.415 χ^2/NDF:7.6/6

+ sign 114.012+/-26.514 χ^2/NDF: 36.5/23

All: 27.636+/-18.854 χ^2/NDF: 89.6/49

- sign -60.734+/-26.818 χ^2/NDF: 31.7/25

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 86.181+/-0.025 χ^2/NDF:147859.4/7

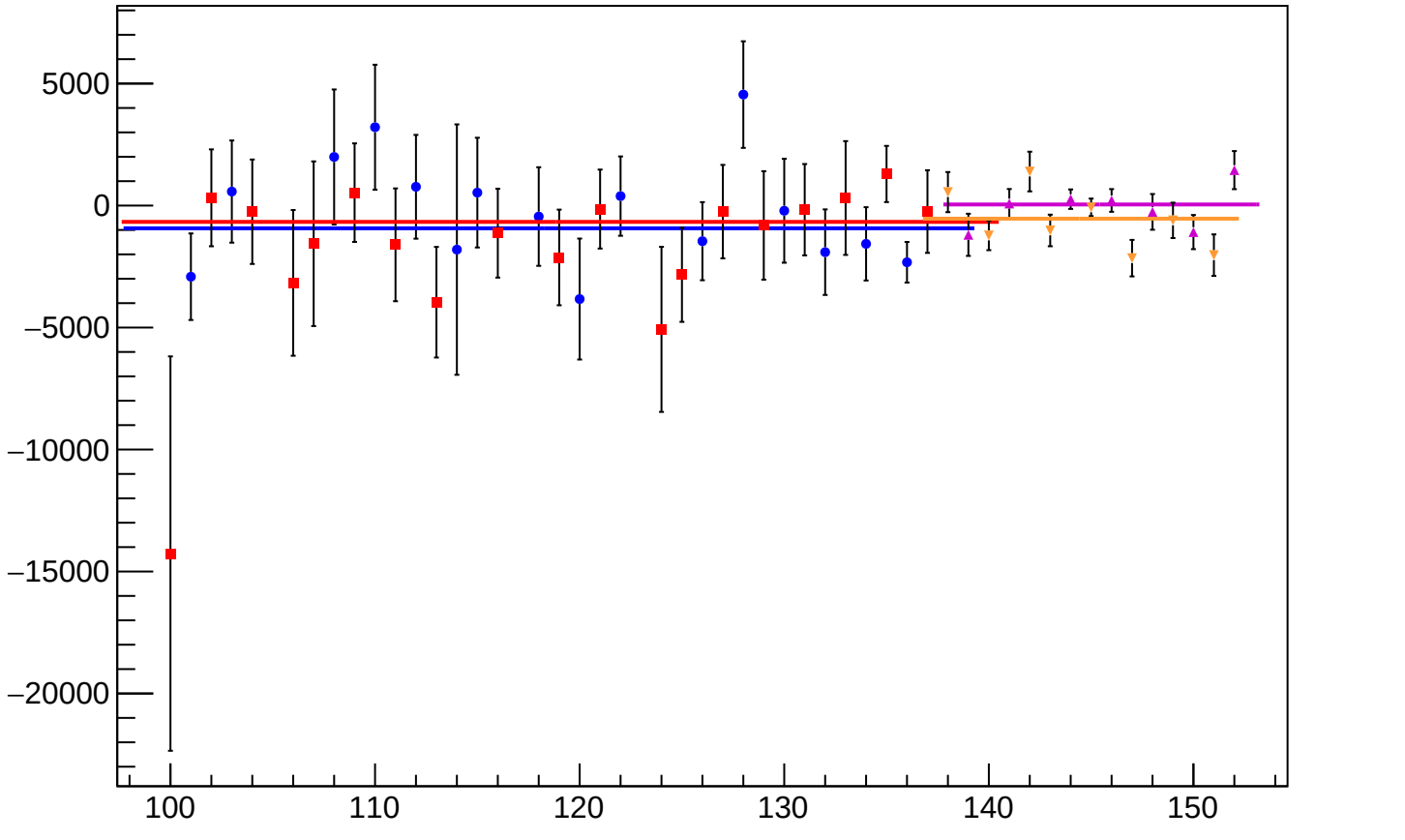
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 85.403+/-0.025 χ^2/NDF:124771.3/6

\+ sign 93.316+/-0.019 χ^2/NDF: 1314132.6/23

All: 93.755+/-0.013 χ^2/NDF: 2920799.2/49

\- sign 94.203+/-0.019 χ^2/NDF: 1605559.6/25



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -537.112+/-218.510 χ^2/NDF:18.7/7

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

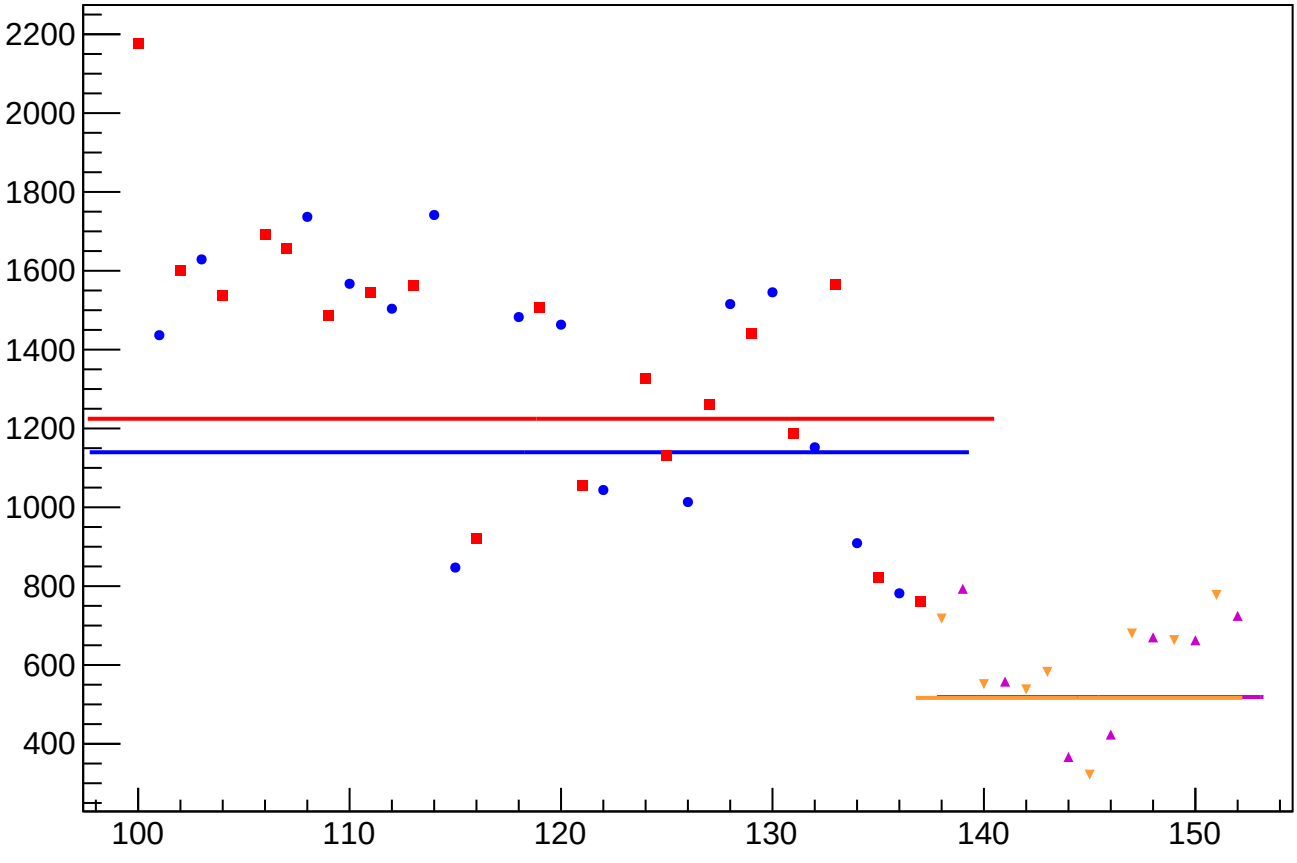
Left In: 44.885+/-220.441 χ^2/NDF:8.5/6

+ sign -614.538+/-195.943 χ^2/NDF: 37.8/23

All: -354.845+/-139.638 χ^2/NDF: 65.3/49

- sign -86.850+/-199.050 χ^2/NDF: 23.9/25

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 516.619+/-0.155 χ^2/NDF:1101858.9/7

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

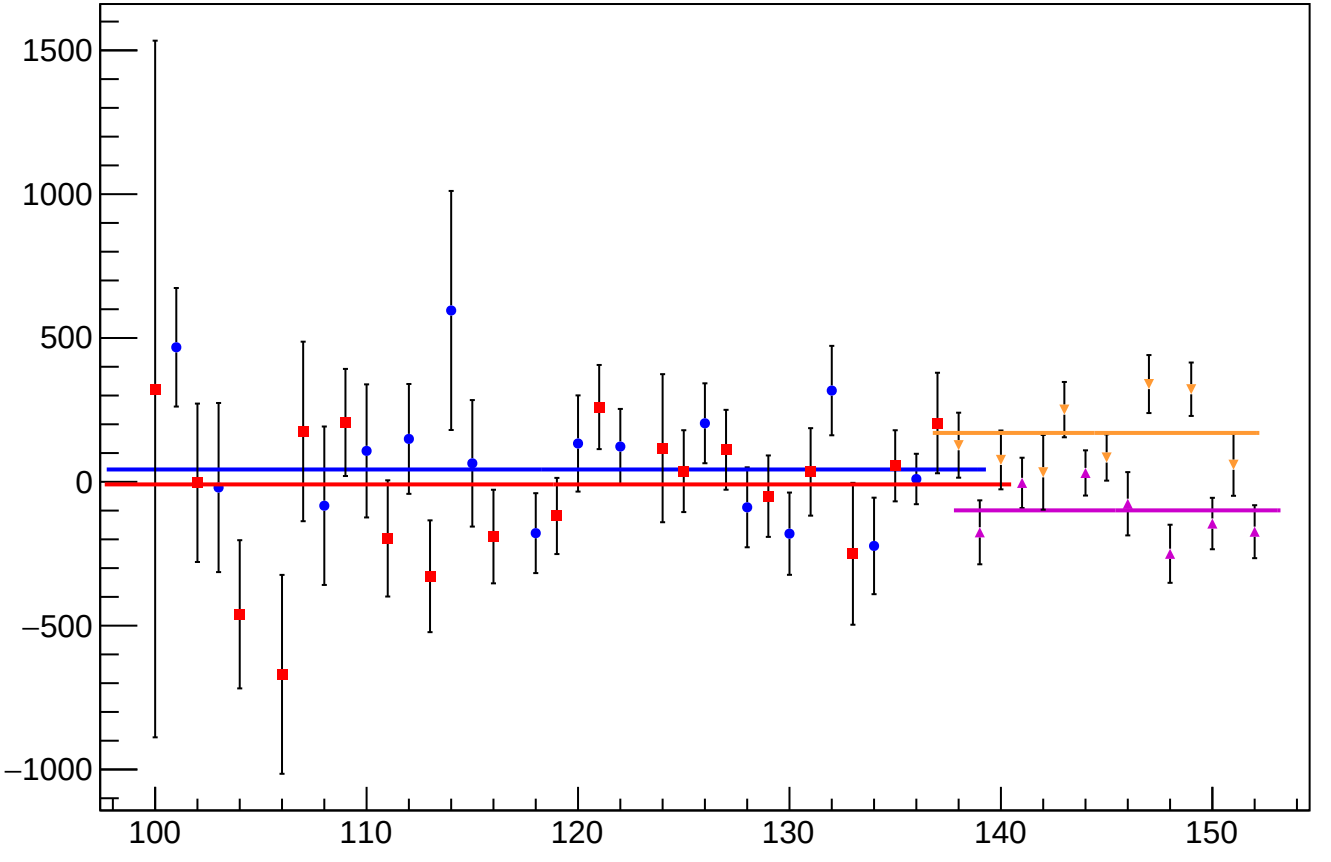
Left In: 518.785+/-0.156 χ^2/NDF:893221.9/6

+ sign 638.661+/-0.139 χ^2/NDF: 5380290.0/23

All: 643.811+/-0.099 χ^2/NDF: 10985201.6/49

- sign 649.125+/-0.141 χ^2/NDF: 5602104.7/25

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 169.988+/-35.446 χ^2/NDF:10.5/7

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

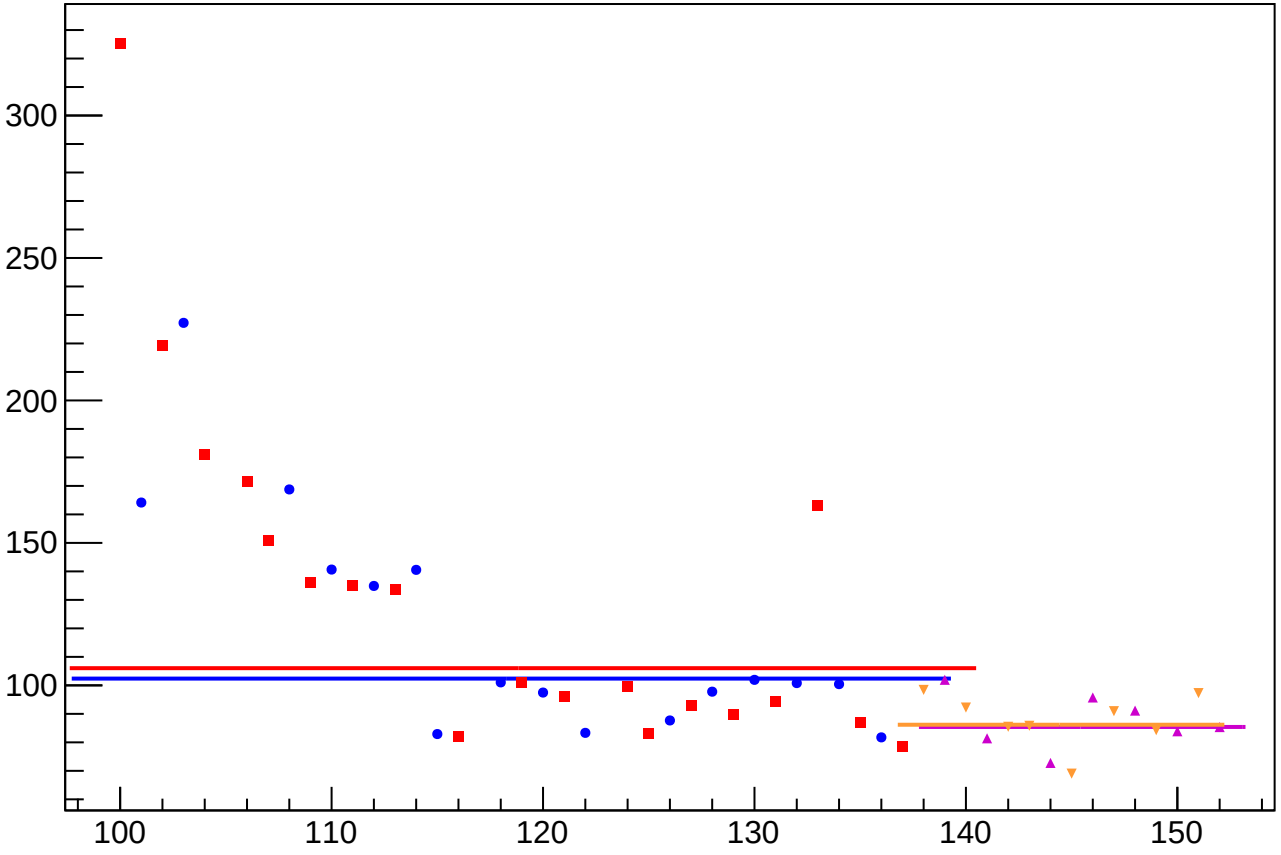
Left In: -99.229+/-35.415 χ^2/NDF:7.6/6

+ sign 114.011+/-26.514 χ^2/NDF: 36.5/23

All: 27.636+/-18.855 χ^2/NDF: 89.6/49

- sign -60.732+/-26.818 χ^2/NDF: 31.7/25

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 86.182+/-0.025 χ^2/NDF:147851.0/7

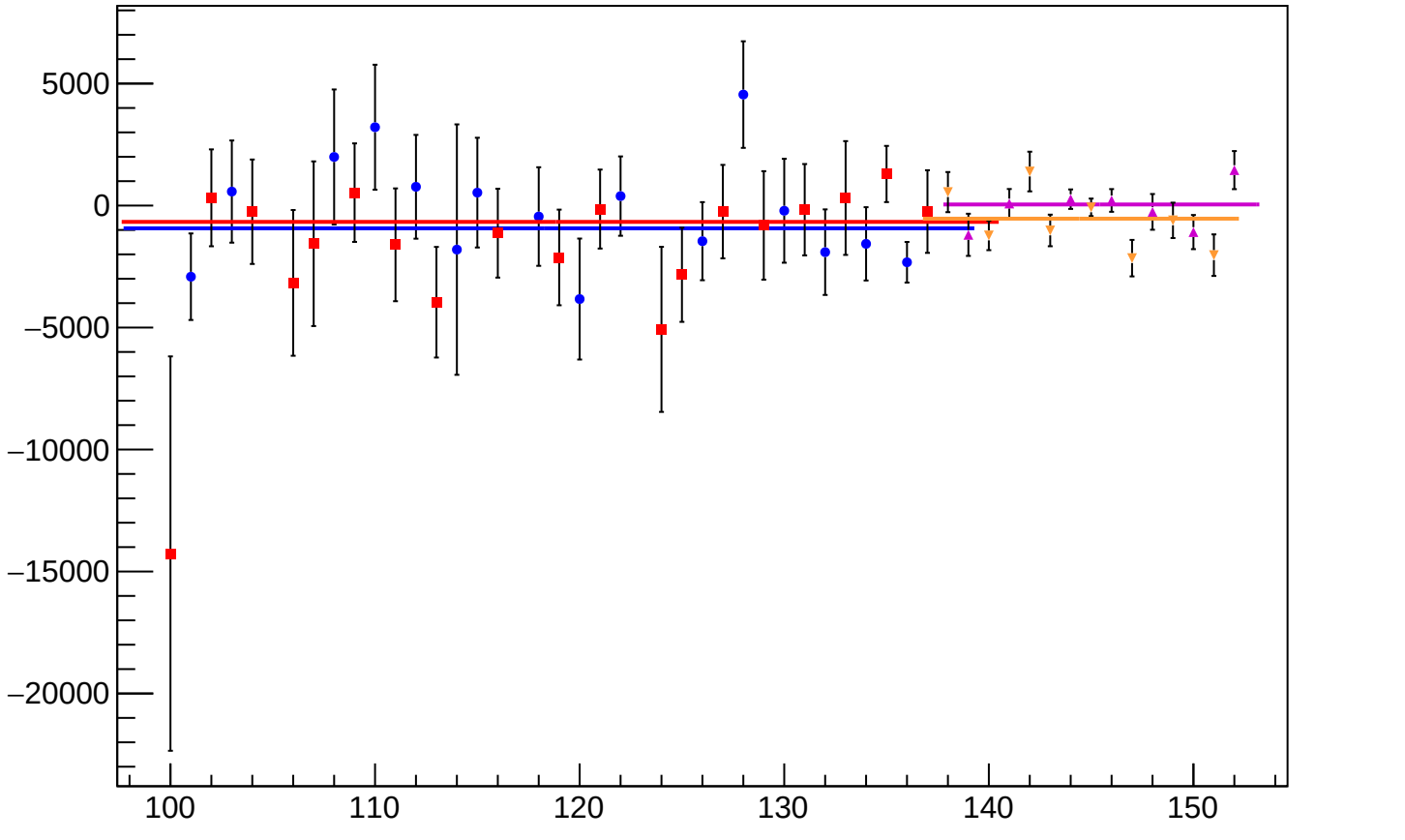
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 85.403+/-0.025 χ^2/NDF:124768.7/6

+ sign 93.316+/-0.019 χ^2/NDF: 1314102.8/23

All: 93.755+/-0.013 χ^2/NDF: 2920753.6/49

- sign 94.204+/-0.019 χ^2/NDF: 1605543.7/25



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -537.113+/-218.509 χ^2/NDF:18.7/7

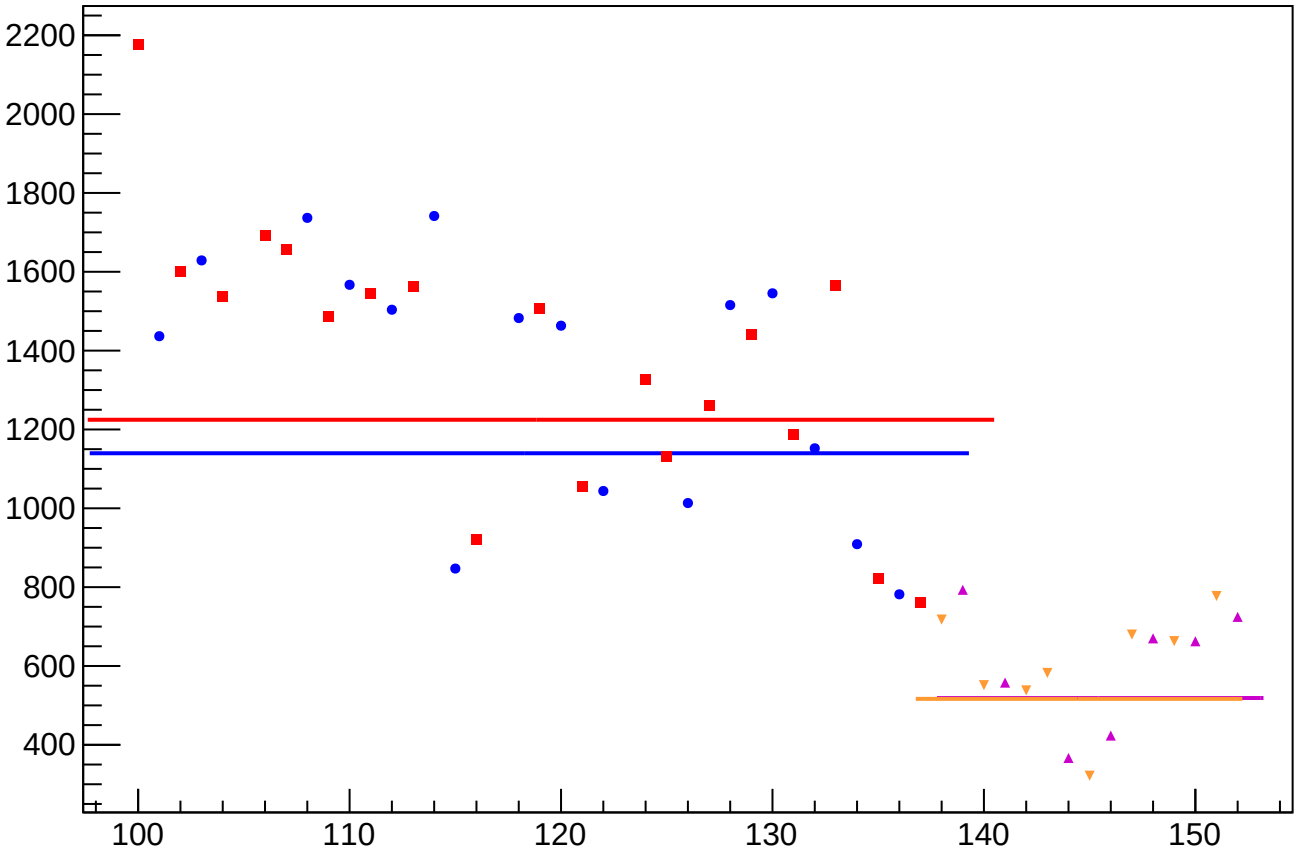
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 44.885+/-220.441 χ^2/NDF:8.5/6

+ sign -614.538+/-195.943 χ^2/NDF: 37.8/23

All: -354.845+/-139.638 χ^2/NDF: 65.3/49

- sign -86.850+/-199.050 χ^2/NDF: 23.9/25



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 516.618+/-0.155 χ^2/NDF:1101872.0/7

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

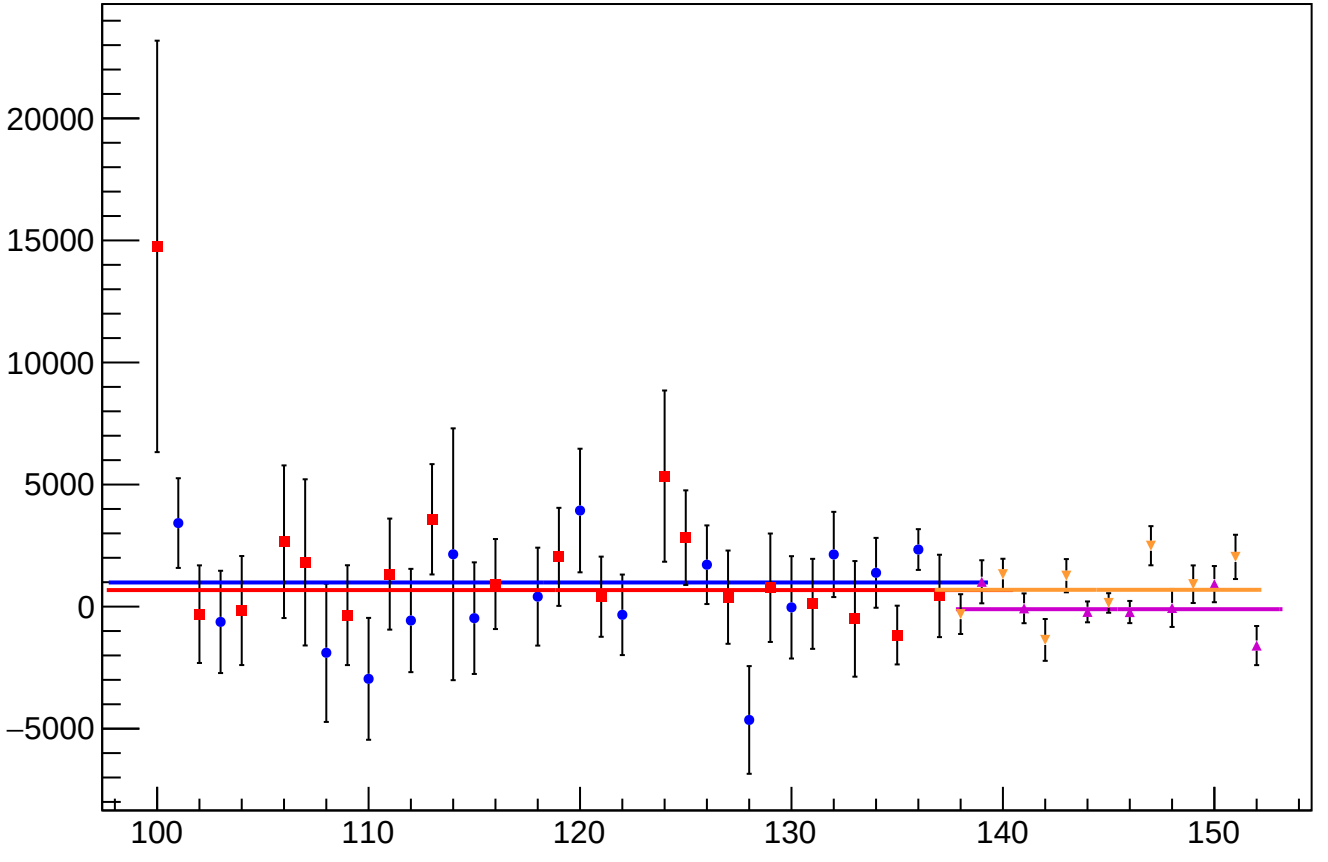
Left In: 518.784+/-0.156 χ^2/NDF:893225.3/6

+ sign 638.660+/-0.139 χ^2/NDF: 5380303.9/23

All: 643.810+/-0.099 χ^2/NDF: 10985211.7/49

- sign 649.124+/-0.141 χ^2/NDF: 5602100.5/25

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 688.396+/-234.280 χ^2/NDF:18.2/7

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

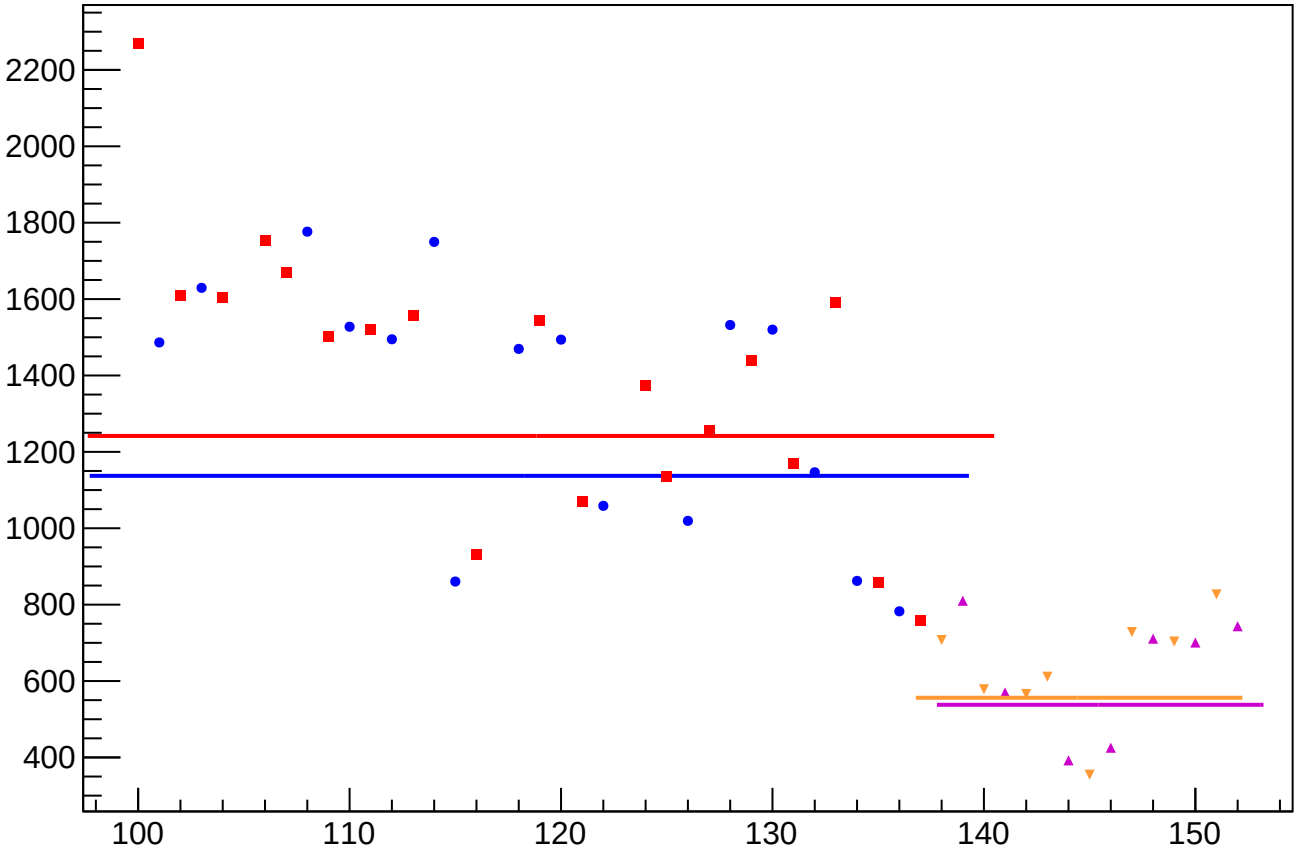
Left In: -105.215+/-227.463 χ^2/NDF:7.1/6

+ sign 754.250+/-207.065 χ^2/NDF: 37.6/23

All: 394.835+/-145.579 χ^2/NDF: 64.8/49

- sign 43.525+/-204.716 χ^2/NDF: 21.3/25

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 556.243+/-0.166 χ^2/NDF:935135.9/7

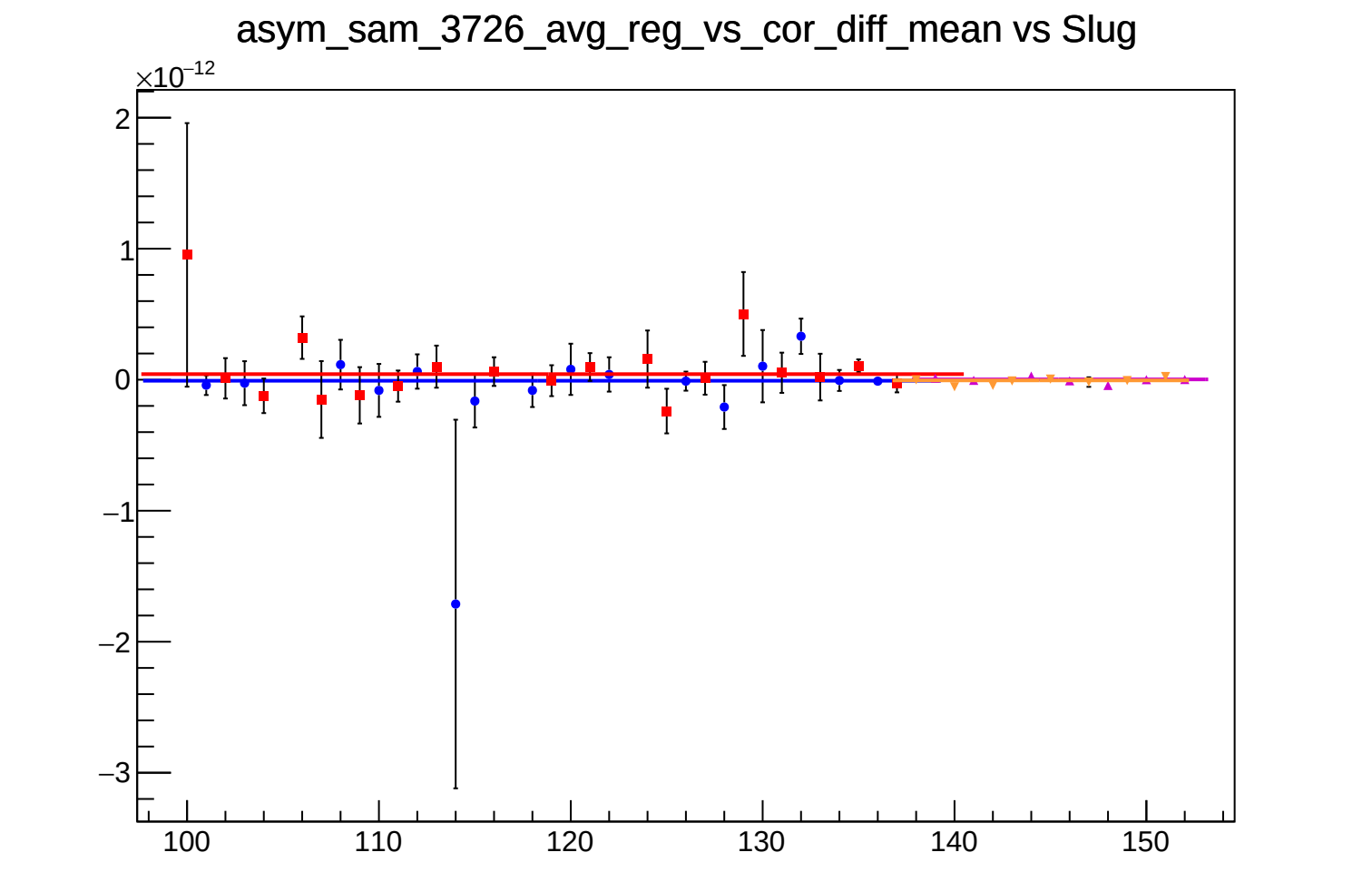
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 537.778+/-0.161 χ^2/NDF:878236.1/6

+ sign 683.382+/-0.146 χ^2/NDF: 4750348.8/23

All: 677.386+/-0.103 χ^2/NDF: 10170669.3/49

- sign 671.525+/-0.145 χ^2/NDF: 5417003.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/7

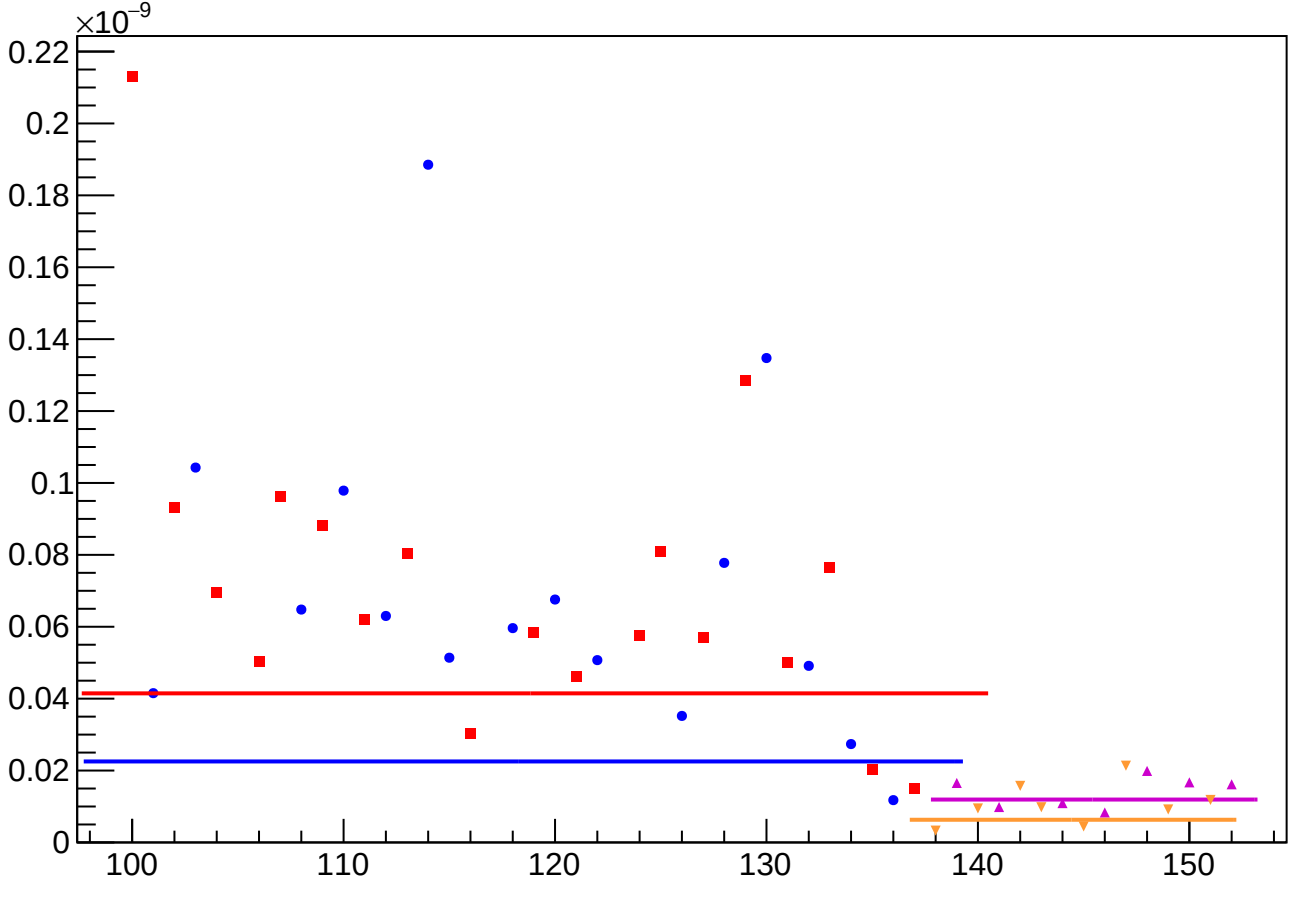
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 23.4/23

All: -0.000+/-0.000 χ^2/NDF: 47.3/49

- sign 0.000+/-0.000 χ^2/NDF: 22.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1027708.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

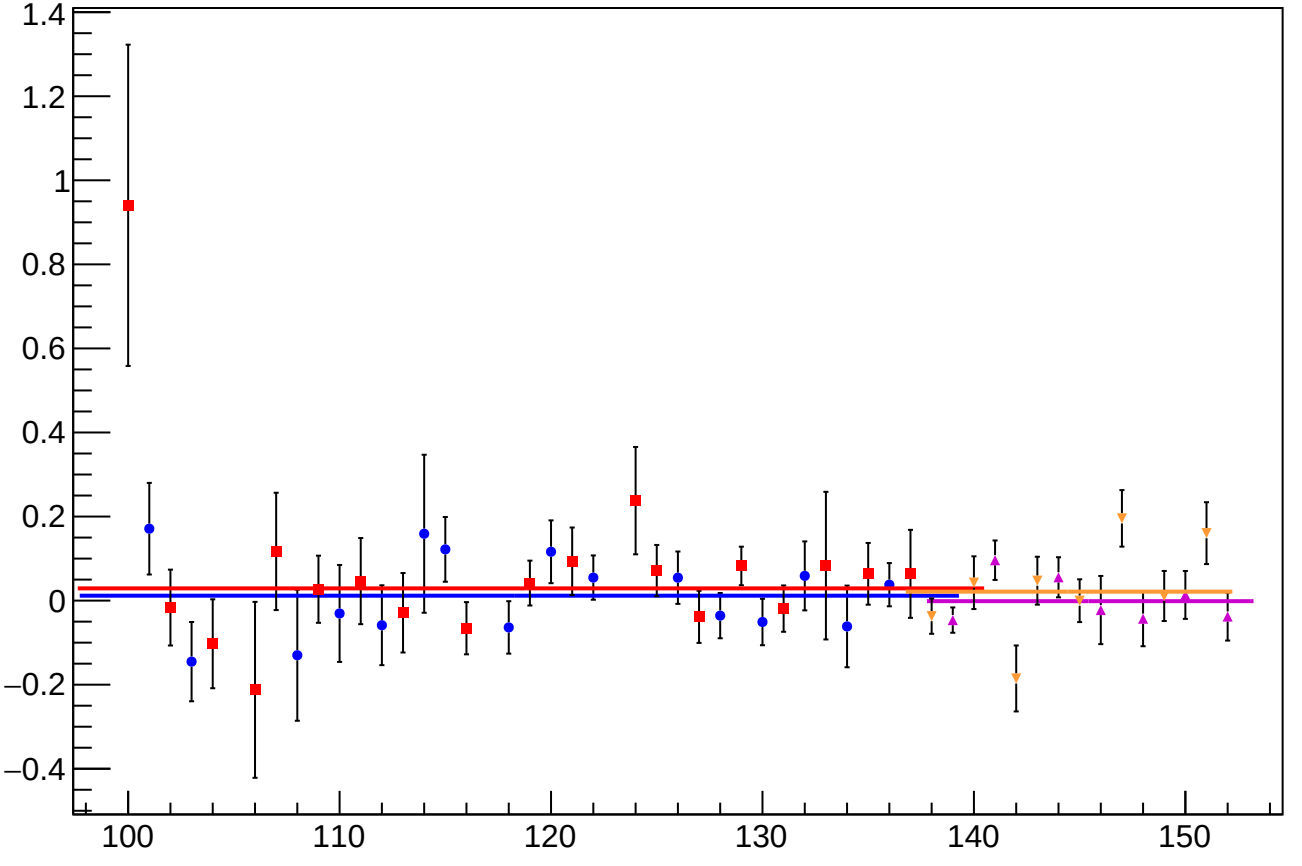
Left In: 0.000+/-0.000 χ^2/NDF:400972.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 5470271.4/23

All: 0.000+/-0.000 χ^2/NDF: 10891497.1/49

- sign 0.000+/-0.000 χ^2/NDF: 4429756.4/25

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: 0.021+/-0.021 χ^2/NDF:19.7/7

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

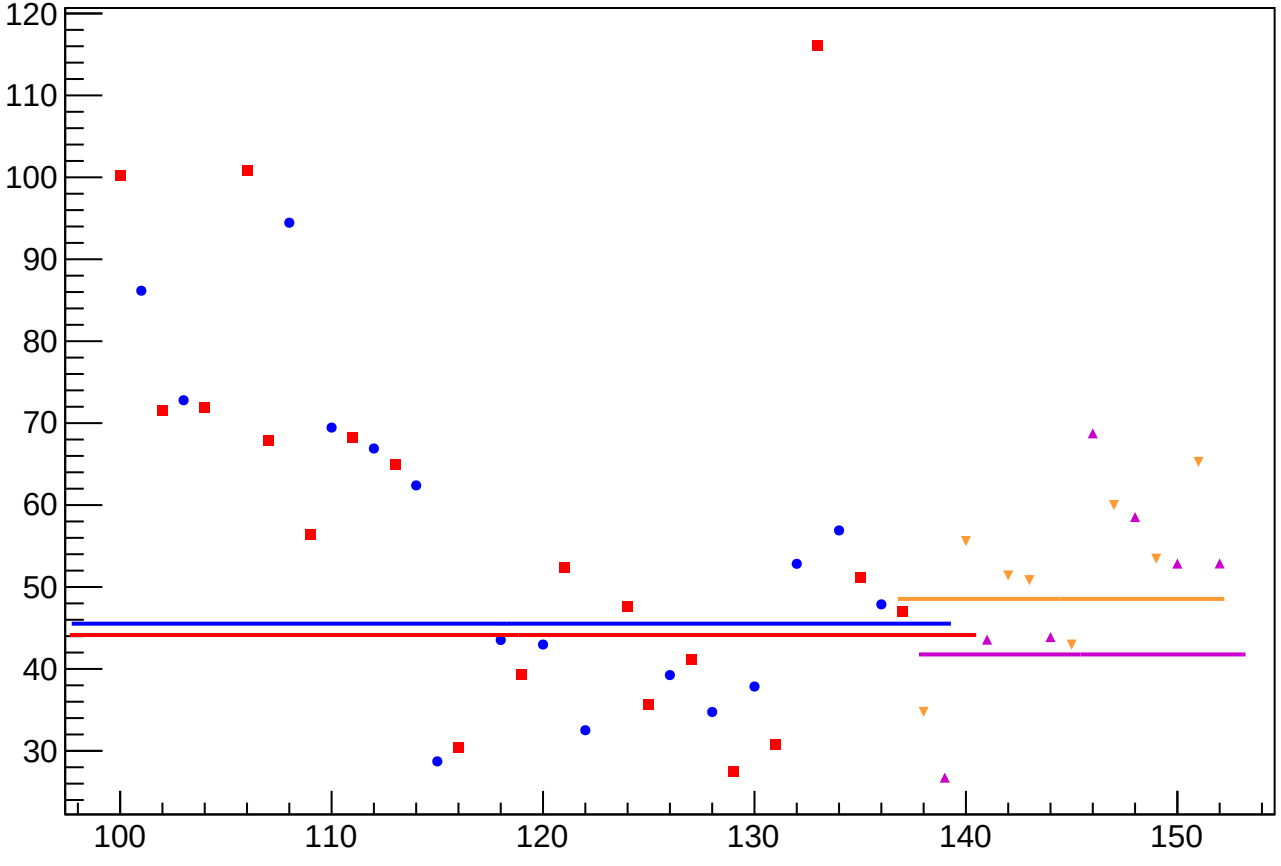
Left In: -0.001+/-0.018 χ^2/NDF:8.9/6

+ sign 0.016+/-0.014 χ^2/NDF: 36.7/23

All: 0.015+/-0.009 χ^2/NDF: 66.5/49

- sign 0.014+/-0.013 χ^2/NDF: 29.9/25

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: 48.547+/-0.015 χ^2/NDF:445070.1/7

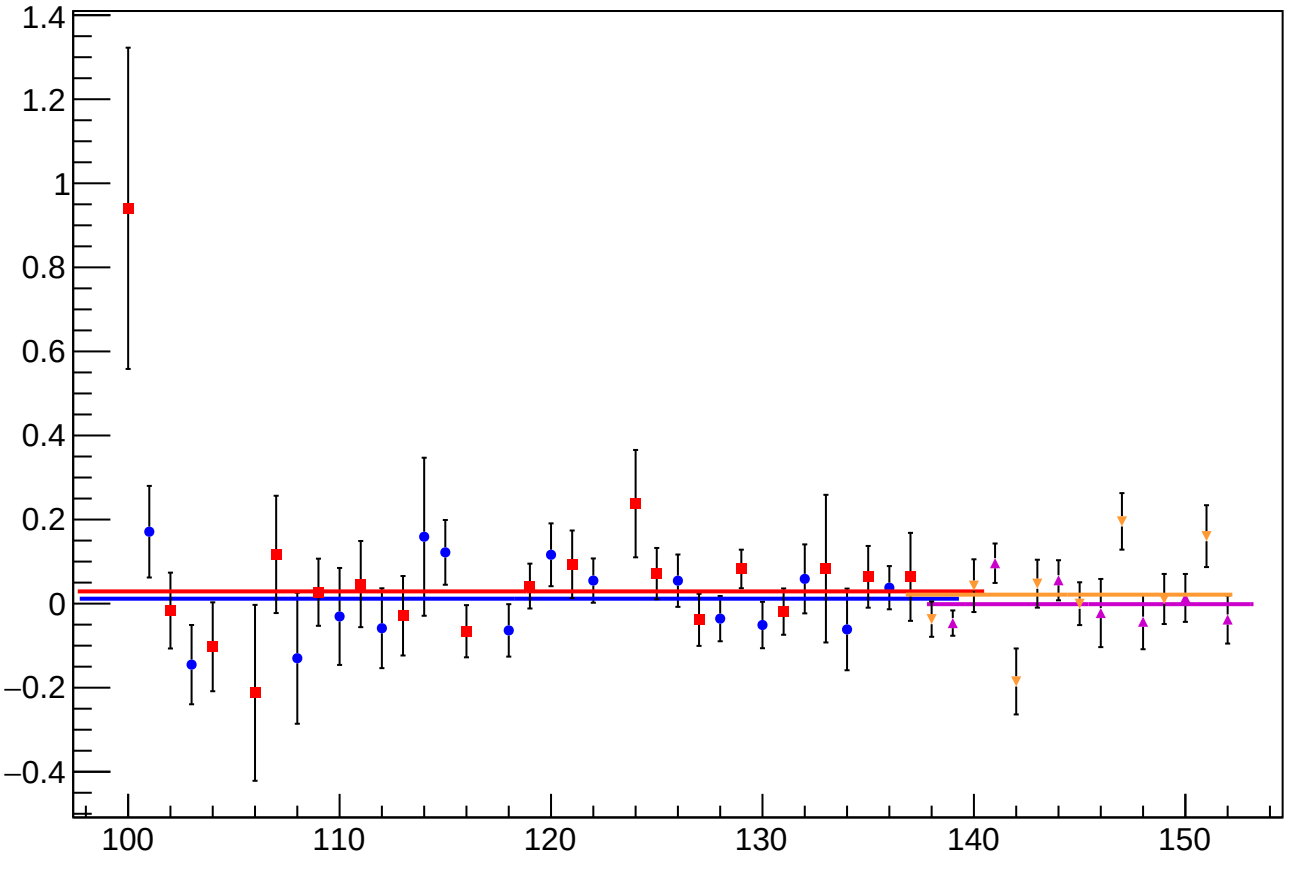
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 41.770+/-0.013 χ^2/NDF:1009508.5/6

+ sign 46.862+/-0.010 χ^2/NDF: 1723120.1/23

All: 44.789+/-0.007 χ^2/NDF: 4579206.1/49

- sign 42.981+/-0.009 χ^2/NDF: 2770141.2/25



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.021+/-0.021 χ^2/NDF:19.7/7

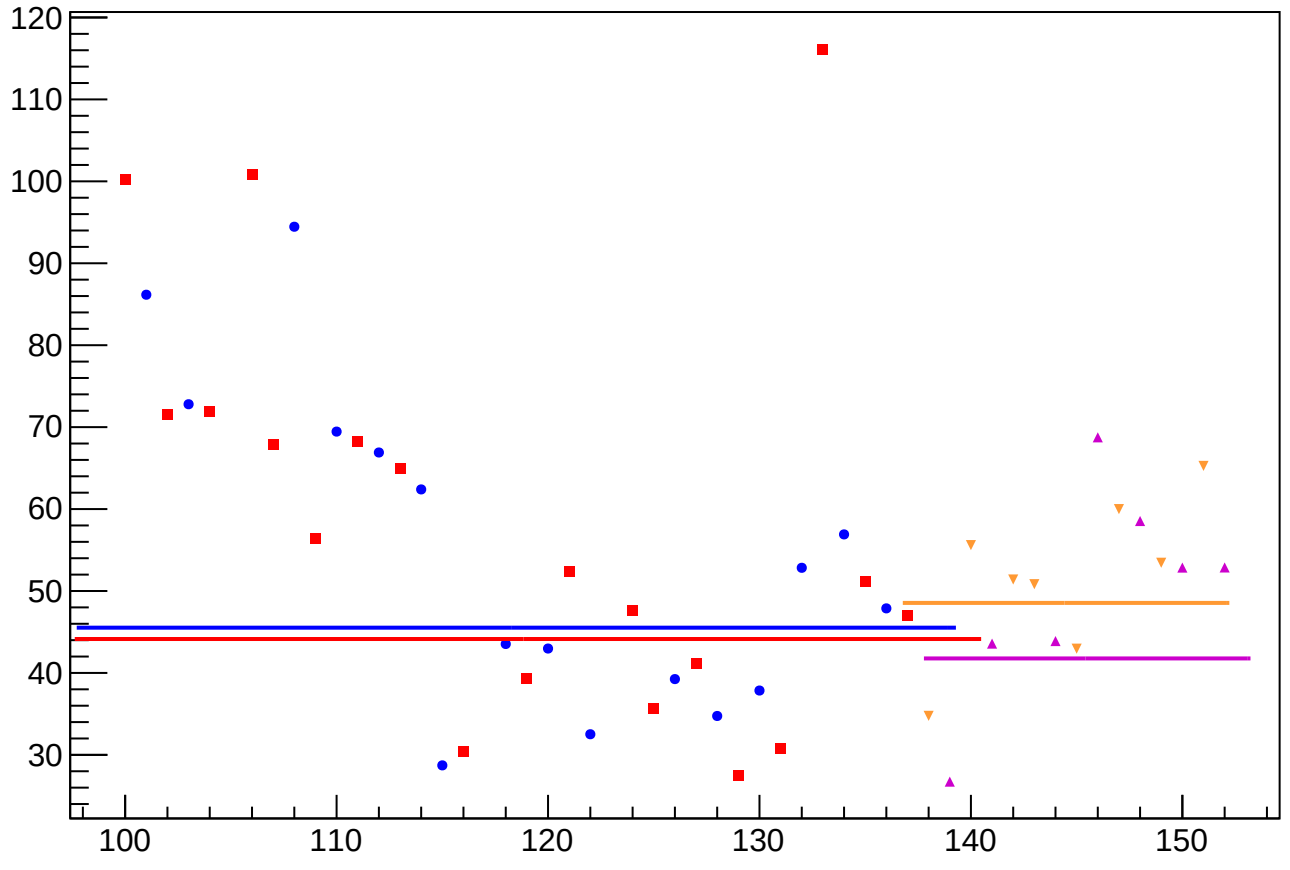
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.018 χ^2/NDF:8.9/6

+ sign 0.016+/-0.014 χ^2/NDF: 36.7/23

All: 0.015+/-0.009 χ^2/NDF: 66.5/49

- sign 0.014+/-0.013 χ^2/NDF: 29.9/25



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.547+/-0.015 χ^2/NDF:445070.1/7

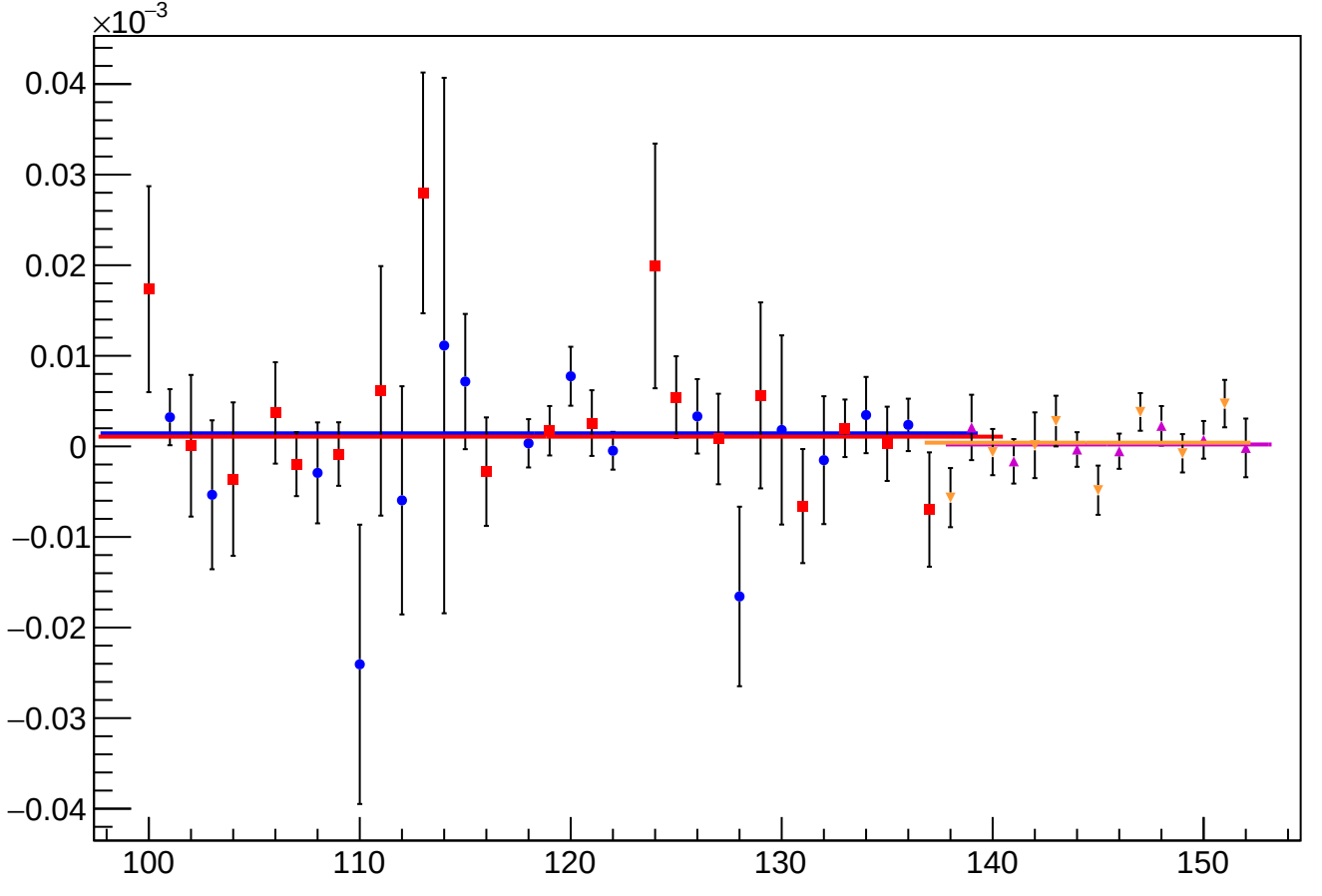
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 41.770+/-0.013 χ^2/NDF:1009508.5/6

+ sign 46.862+/-0.010 χ^2/NDF: 1723120.1/23

All: 44.789+/-0.007 χ^2/NDF: 4579206.1/49

- sign 42.981+/-0.009 χ^2/NDF: 2770141.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/7

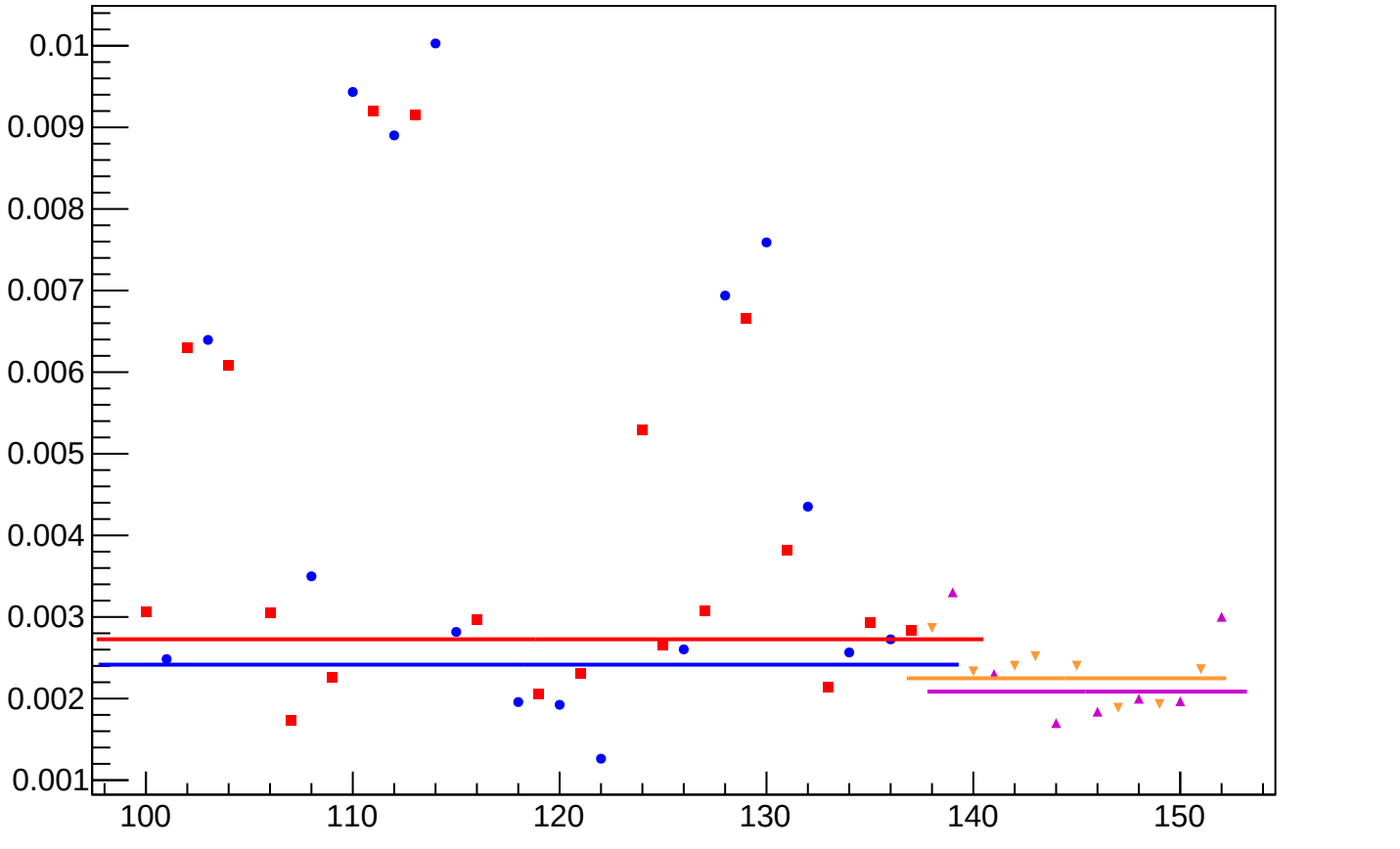
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 28.5/23

All: 0.000+/-0.000 χ^2/NDF: 45.9/49

- sign 0.000+/-0.000 χ^2/NDF: 17.2/25



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:210667.9/7

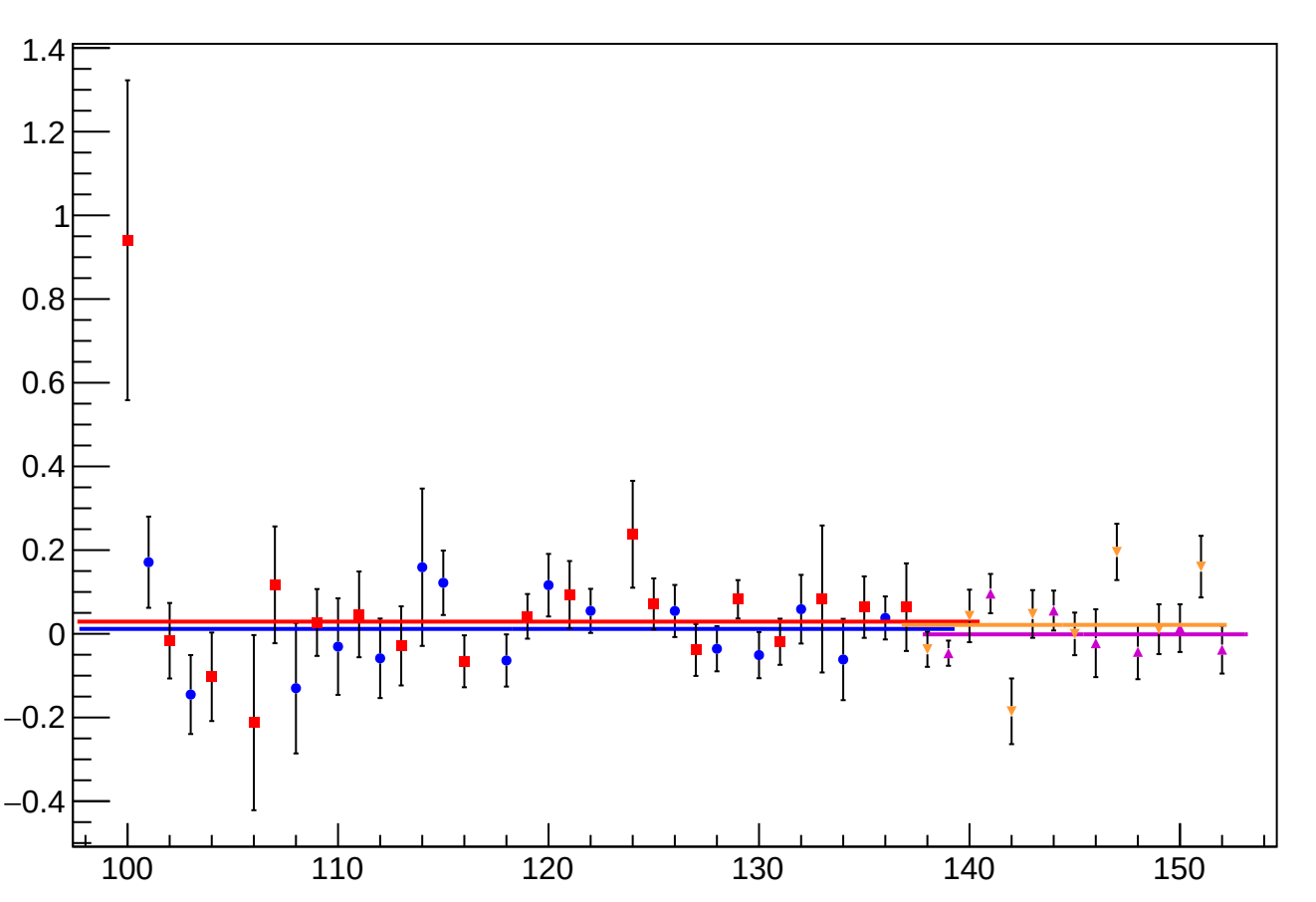
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:526330.1/6

+ sign 0.002+/-0.000 χ^2/NDF: 3671702.0/23

All: 0.002+/-0.000 χ^2/NDF: 7110565.0/49

- sign 0.002+/-0.000 χ^2/NDF: 3438808.5/25



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.021+/-0.021 χ^2/NDF:19.7/7

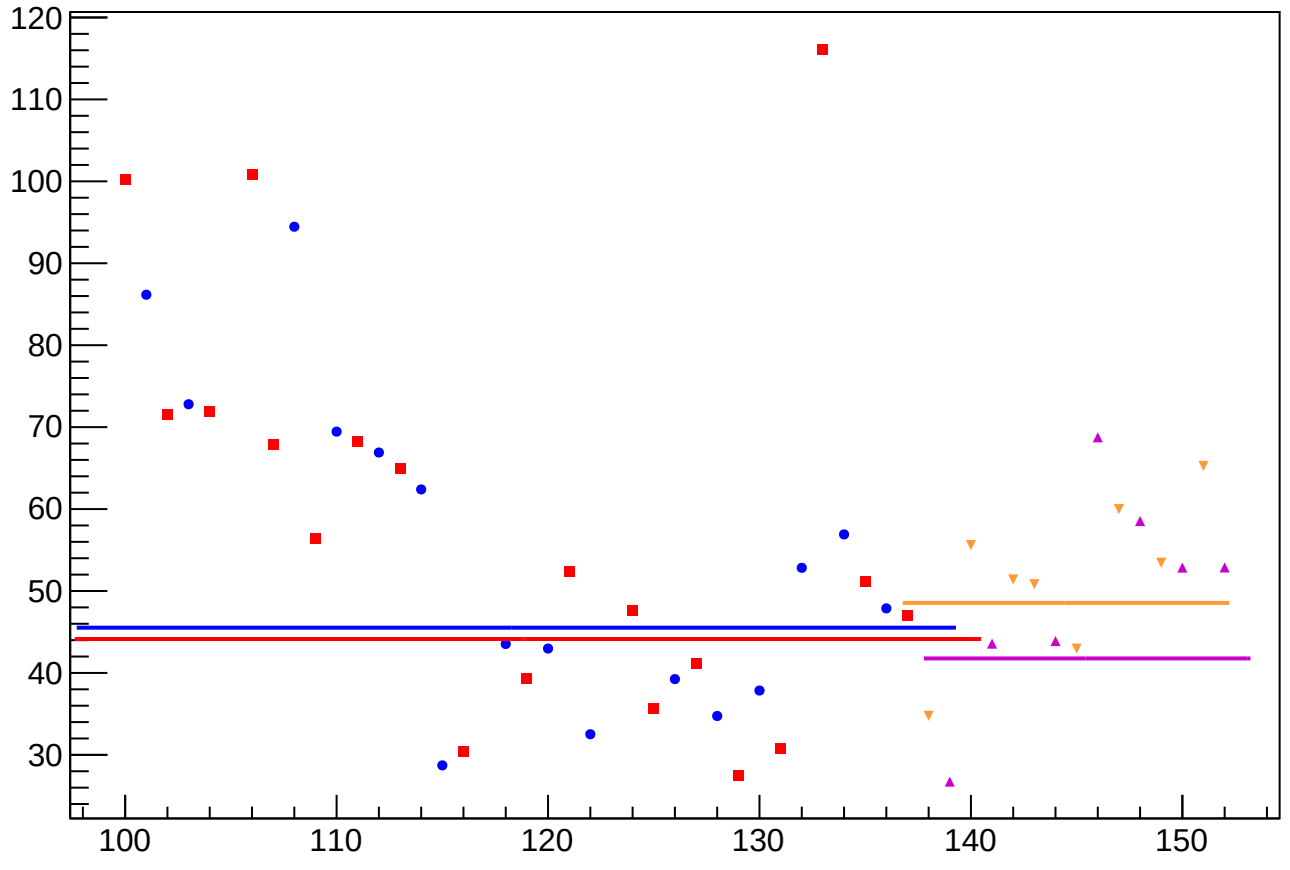
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.018 χ^2/NDF:8.9/6

+ sign 0.016+/-0.014 χ^2/NDF: 36.7/23

All: 0.015+/-0.009 χ^2/NDF: 66.5/49

- sign 0.014+/-0.013 χ^2/NDF: 29.9/25



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.548+/-0.015 χ^2/NDF:445094.3/7

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

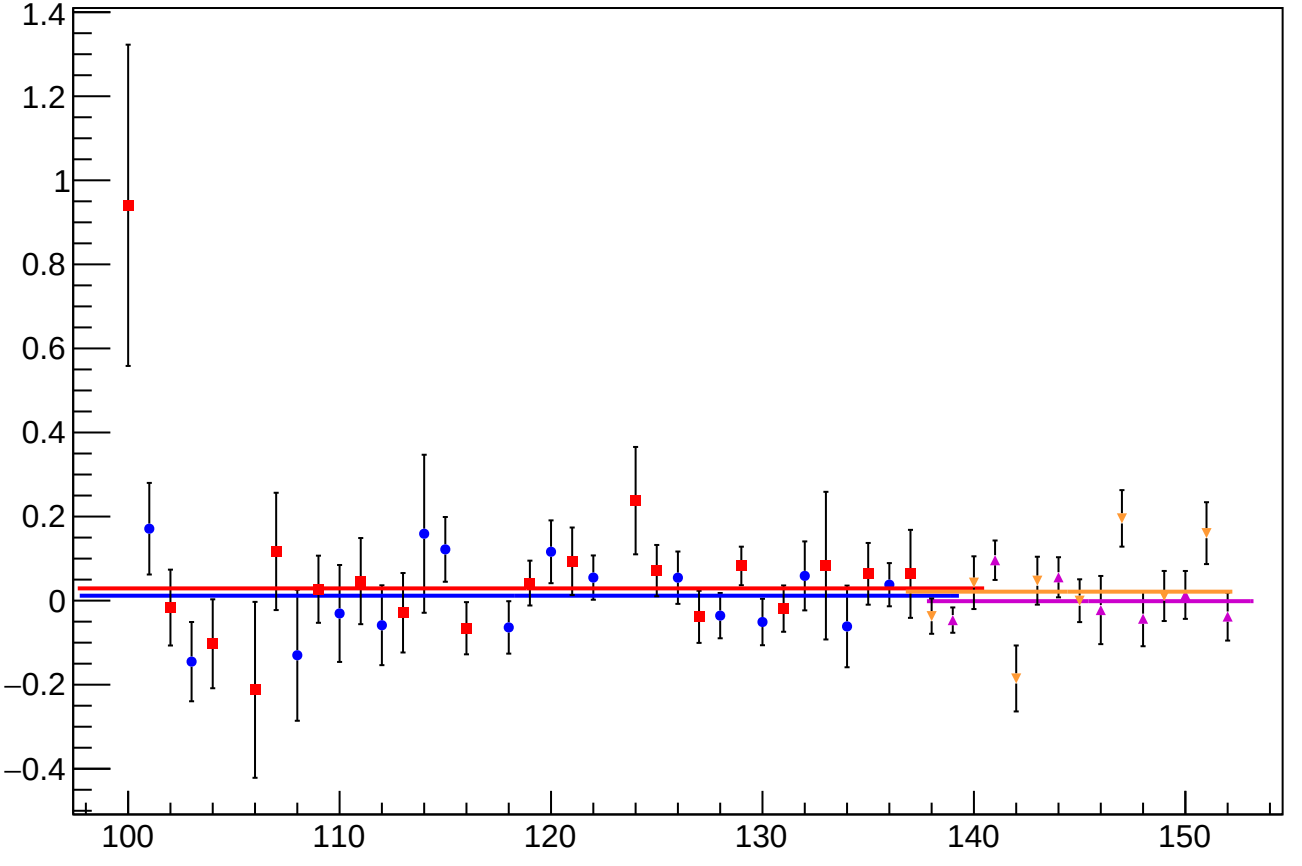
Left In: 41.770+/-0.013 χ^2/NDF:1009536.5/6

+ sign 46.862+/-0.010 χ^2/NDF: 1723105.5/23

All: 44.790+/-0.007 χ^2/NDF: 4579131.3/49

- sign 42.981+/-0.009 χ^2/NDF: 2770089.8/25

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: 0.021+/-0.021 χ^2/NDF:19.7/7

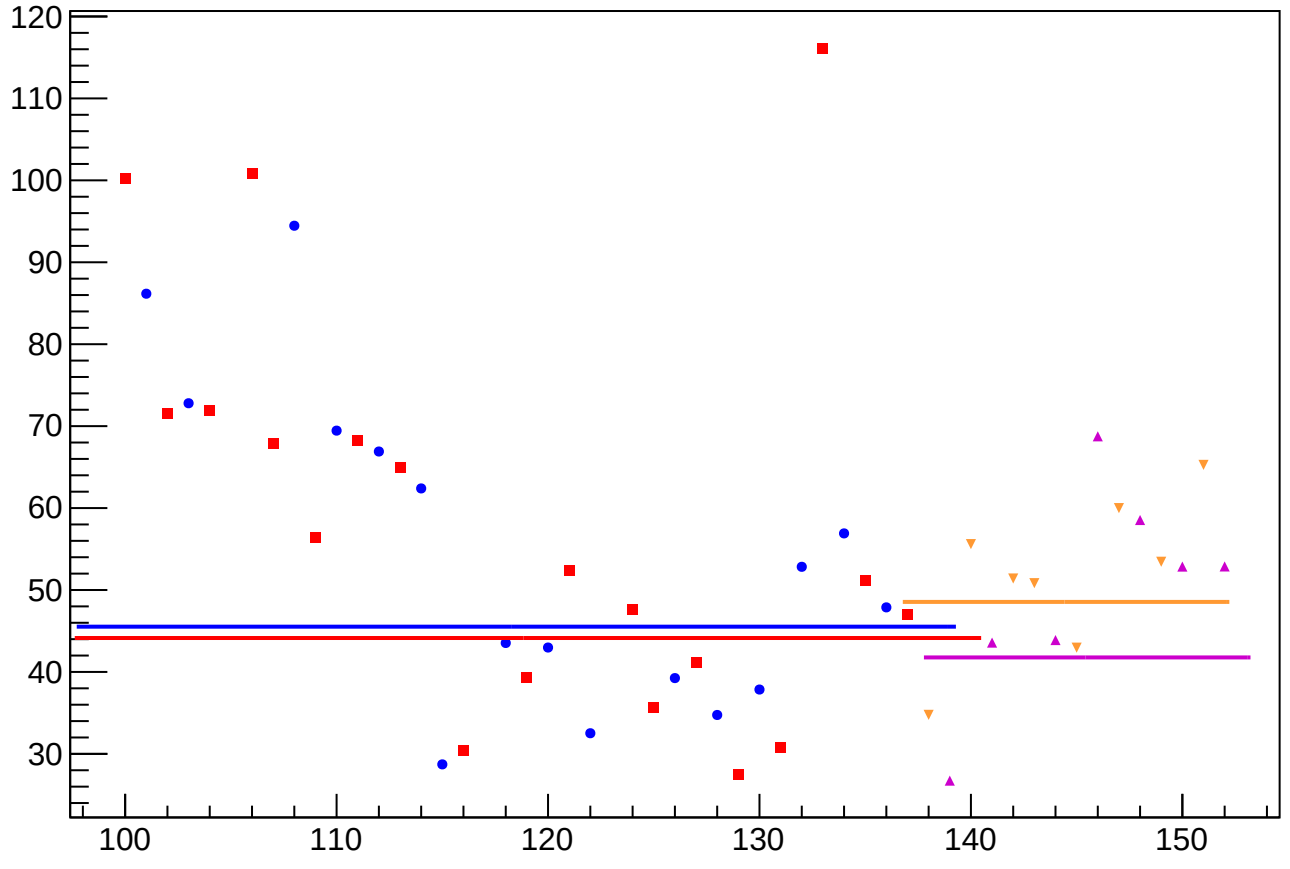
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.018 χ^2/NDF:8.9/6

+ sign 0.016+/-0.014 χ^2/NDF: 36.7/23

All: 0.015+/-0.009 χ^2/NDF: 66.5/49

- sign 0.014+/-0.013 χ^2/NDF: 29.9/25



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.548+/-0.015 χ^2/NDF:445094.3/7

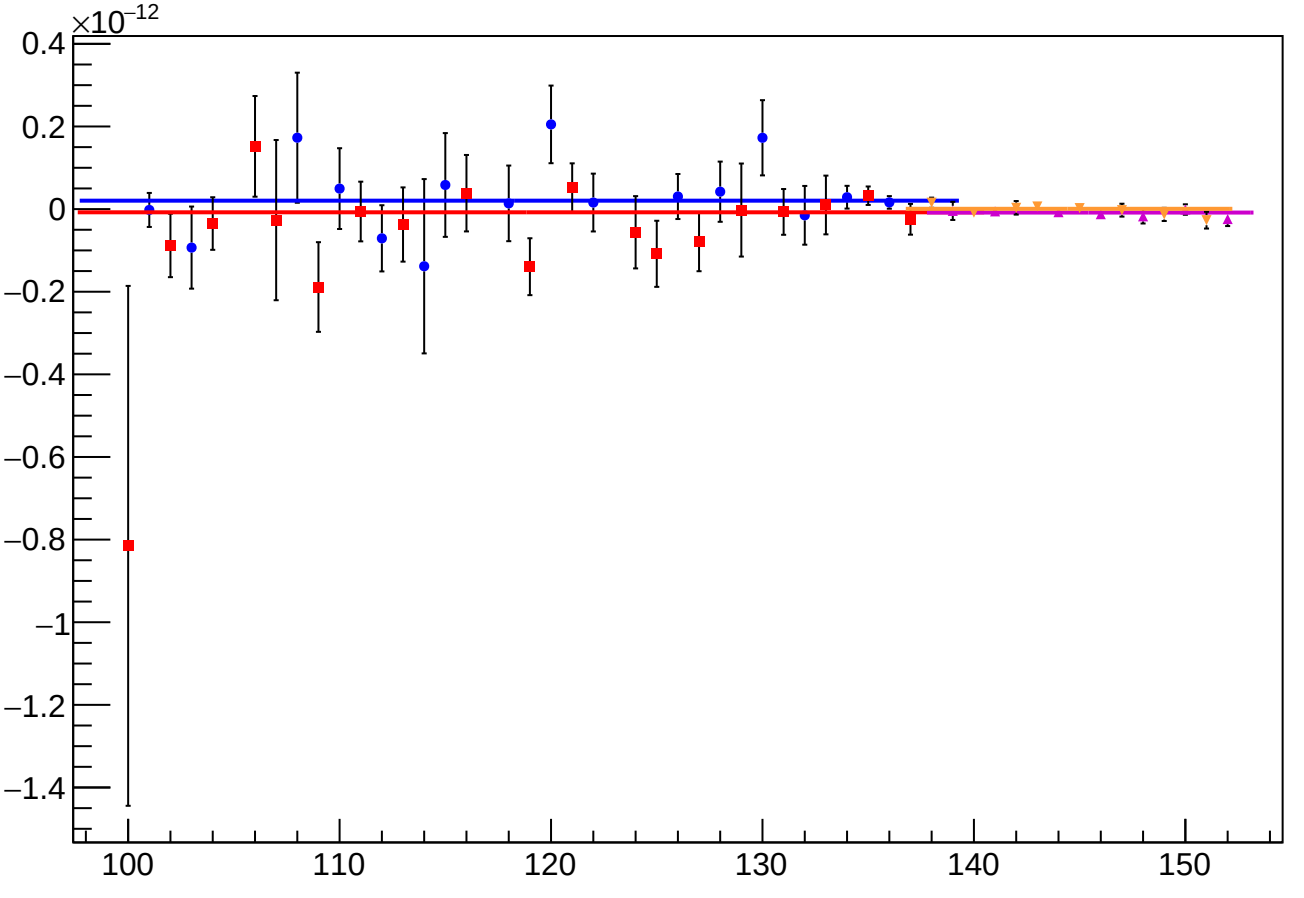
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 41.770+/-0.013 χ^2/NDF:1009536.5/6

+ sign 46.862+/-0.010 χ^2/NDF: 1723105.5/23

All: 44.790+/-0.007 χ^2/NDF: 4579131.3/49

- sign 42.981+/-0.009 χ^2/NDF: 2770089.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/7

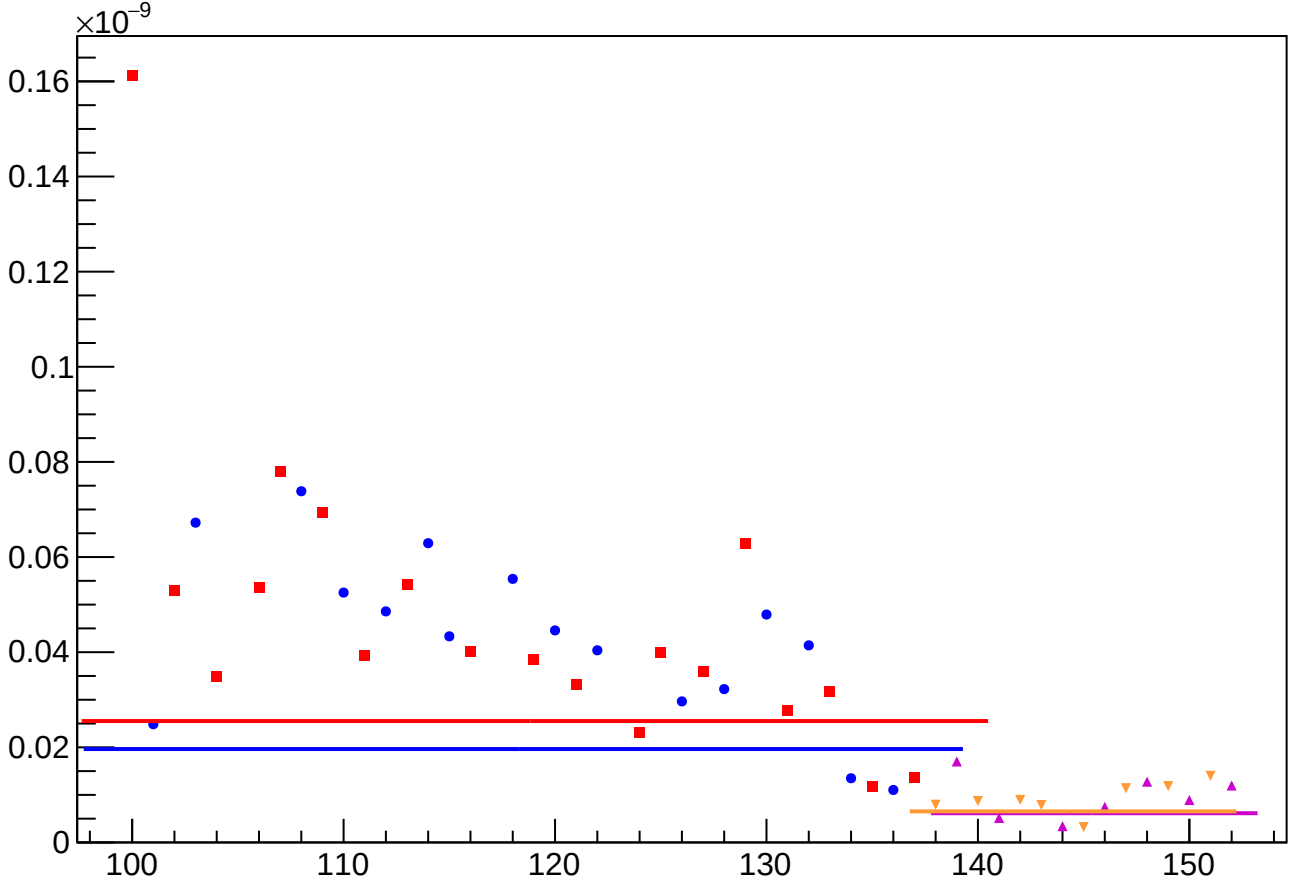
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 19.7/23

All: -0.000+/-0.000 χ^2/NDF: 45.0/49

- sign -0.000+/-0.000 χ^2/NDF: 20.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1564893.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

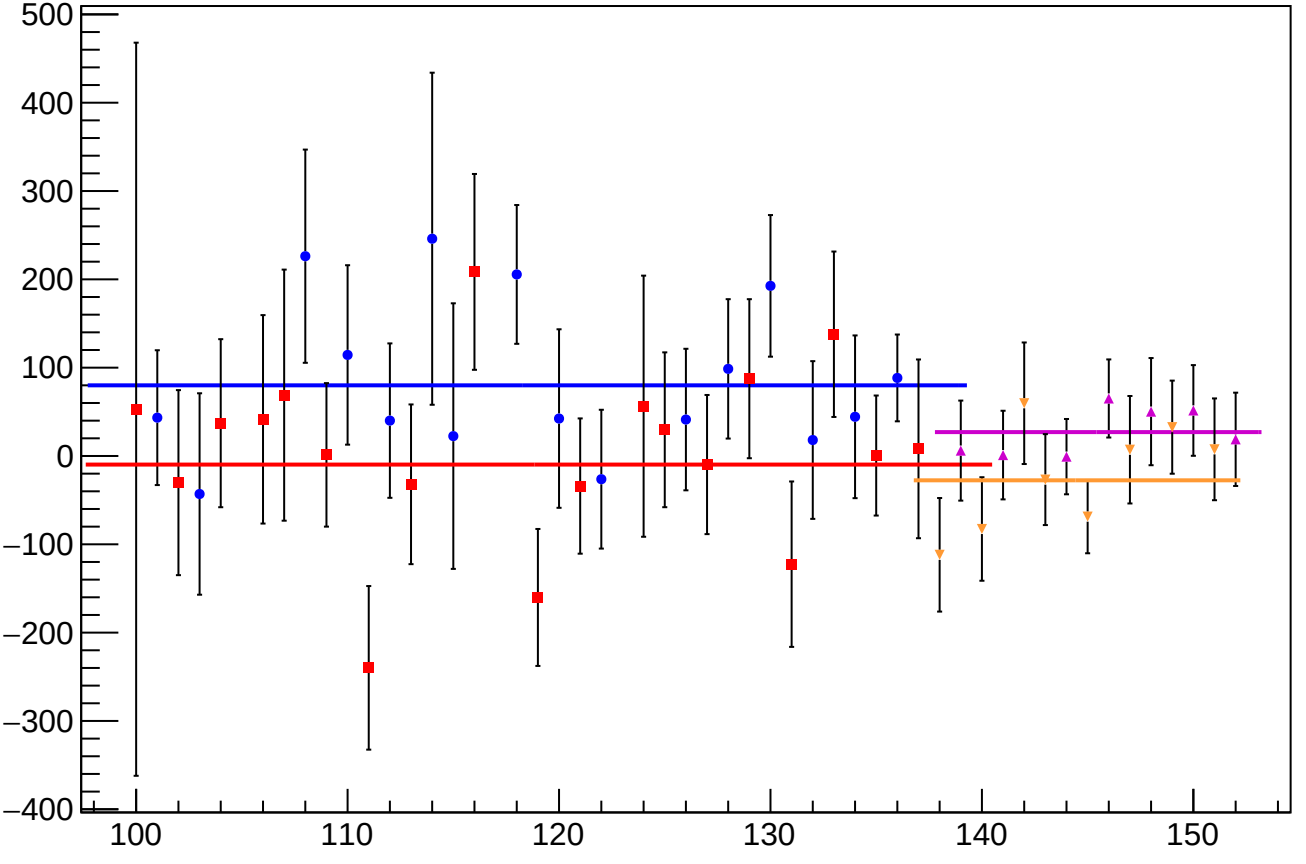
Left In: 0.000+/-0.000 χ^2/NDF:1623440.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 7270870.4/23

All: 0.000+/-0.000 χ^2/NDF: 15326081.6/49

- sign 0.000+/-0.000 χ^2/NDF: 8044874.8/25

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -27.553+/-19.485 χ^2/NDF:7.2/7

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

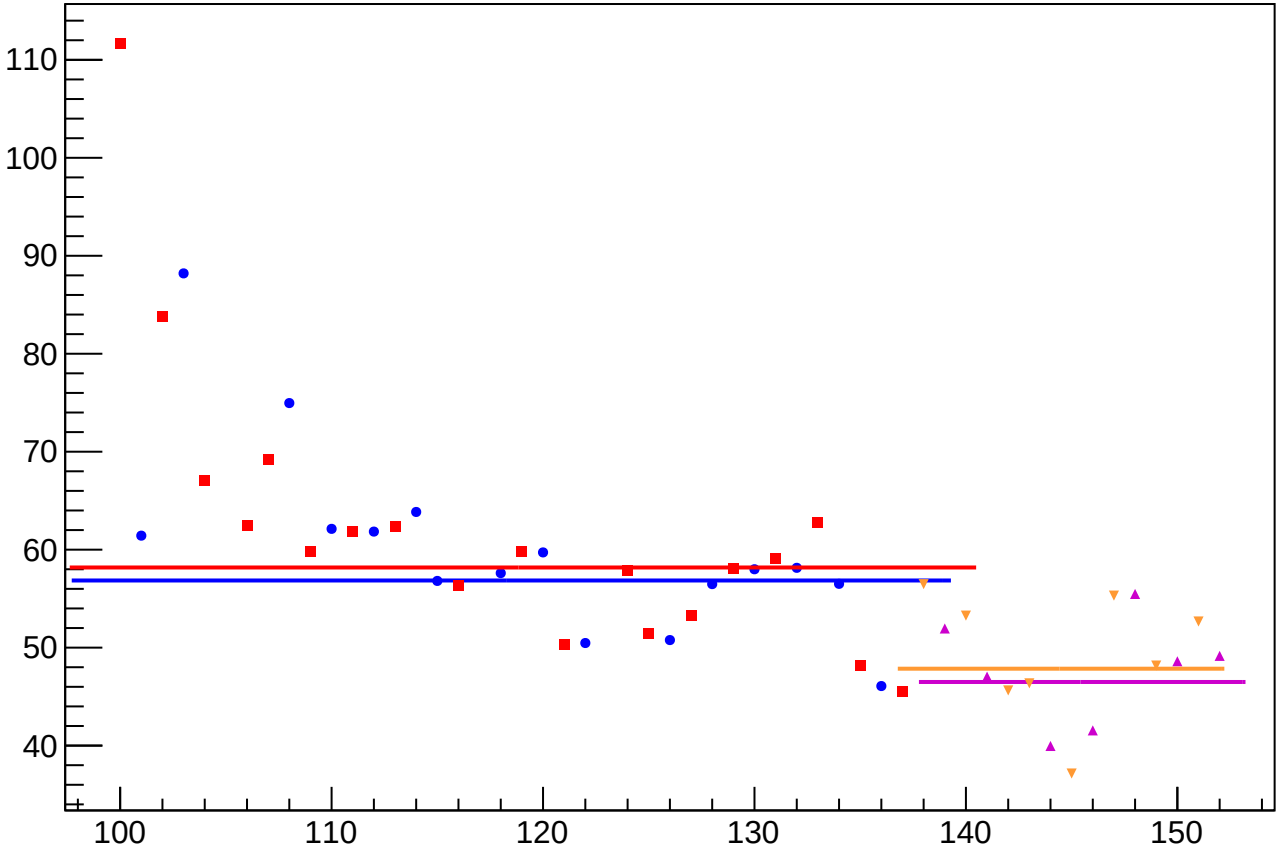
Left In: 27.039+/-18.966 χ^2/NDF:2.0/6

+ sign 21.008+/-14.430 χ^2/NDF: 32.5/23

All: 15.967+/-10.142 χ^2/NDF: 56.7/49

- sign 11.046+/-14.257 χ^2/NDF: 23.9/25

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.850+/-0.014 χ^2/NDF:234016.1/7

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

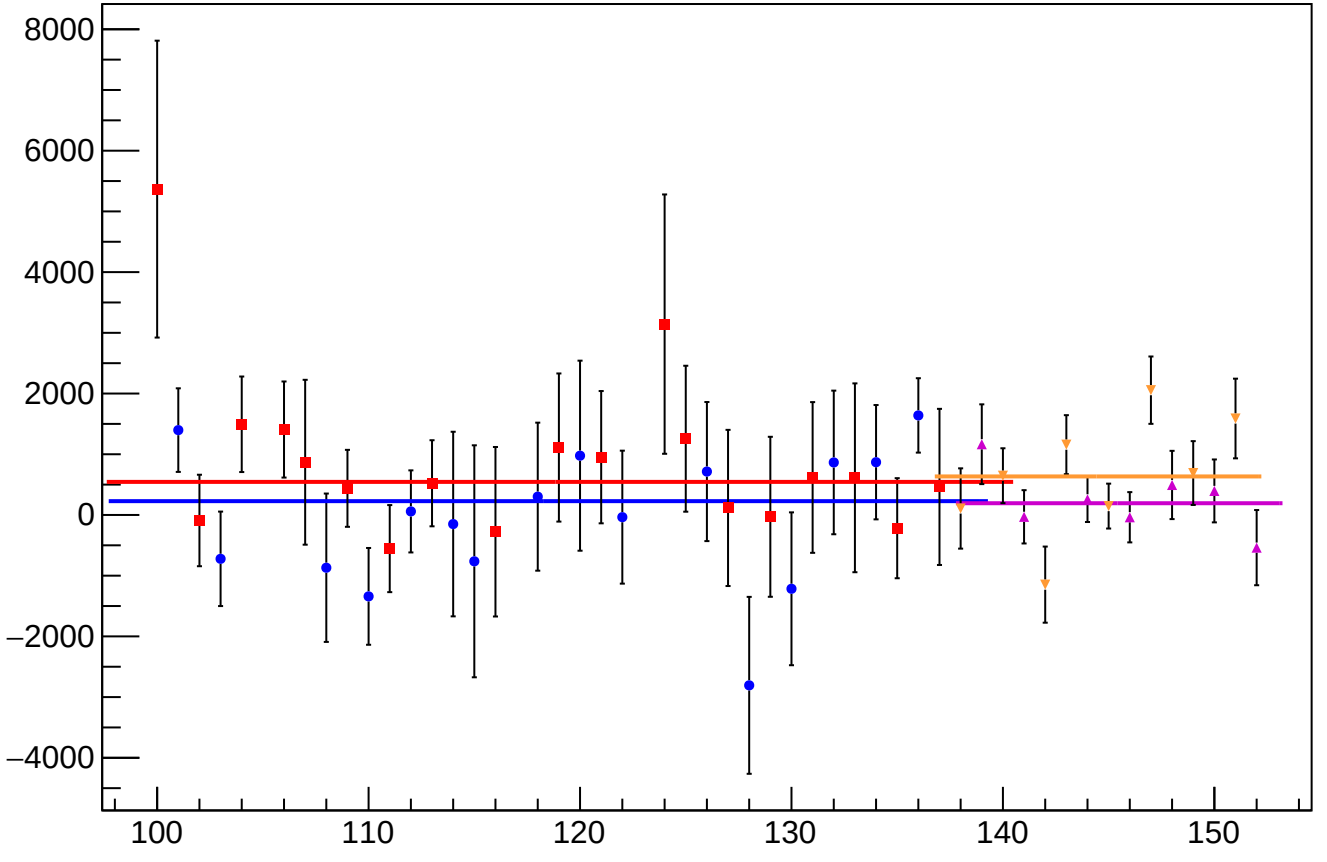
Left In: 46.494+/-0.013 χ^2/NDF:143081.5/6

+ sign 51.916+/-0.010 χ^2/NDF: 768482.2/23

All: 51.745+/-0.007 χ^2/NDF: 1557107.0/49

- sign 51.578+/-0.010 χ^2/NDF: 788069.2/25

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 634.520+/-181.163 χ^2/NDF:20.3/7

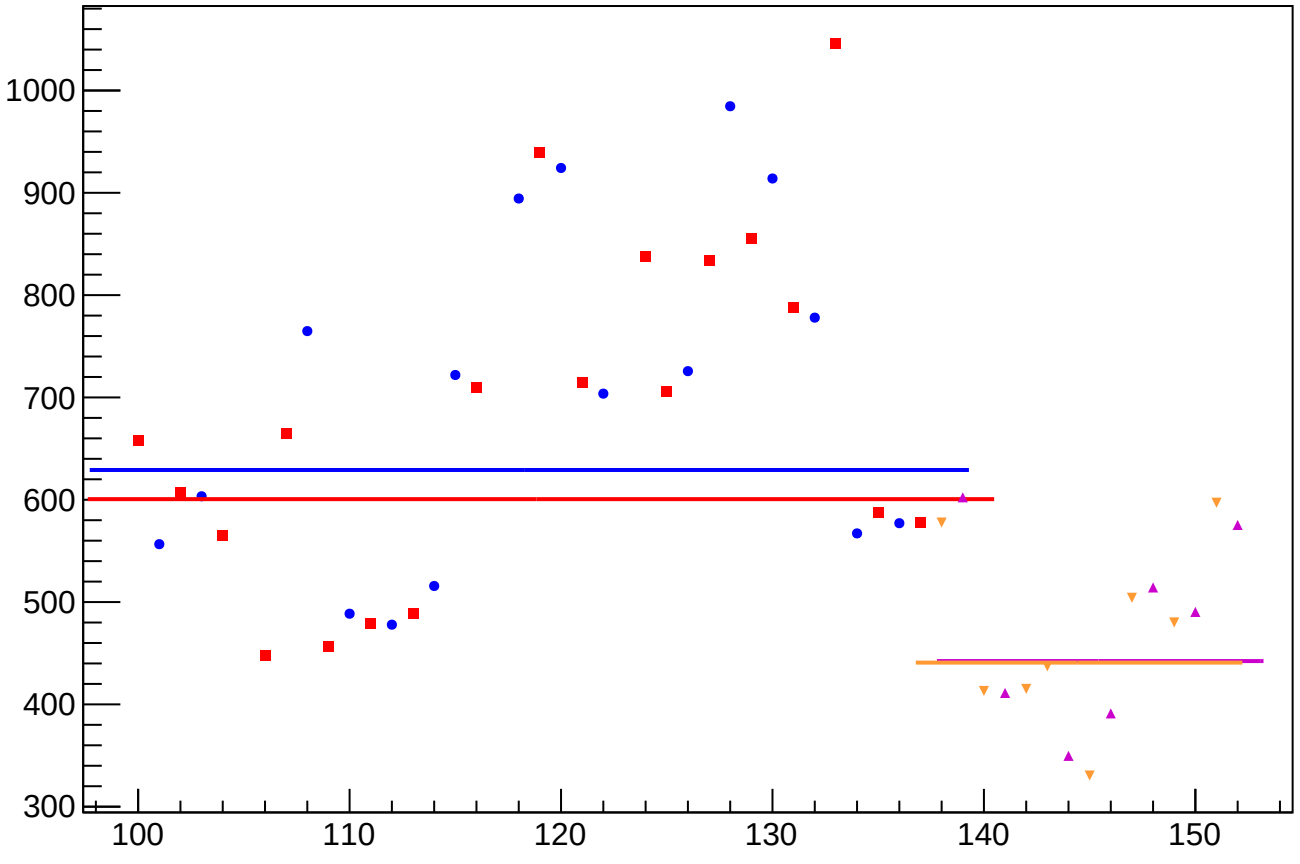
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 193.305+/-182.549 χ^2/NDF:4.6/6

\+ sign 487.742+/-144.860 χ^2/NDF: 43.8/23

All: 408.062+/-101.520 χ^2/NDF: 63.8/49

\- sign 331.155+/-142.316 χ^2/NDF: 19.5/25



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 440.826+/-0.128 χ^2/NDF:425538.7/7

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

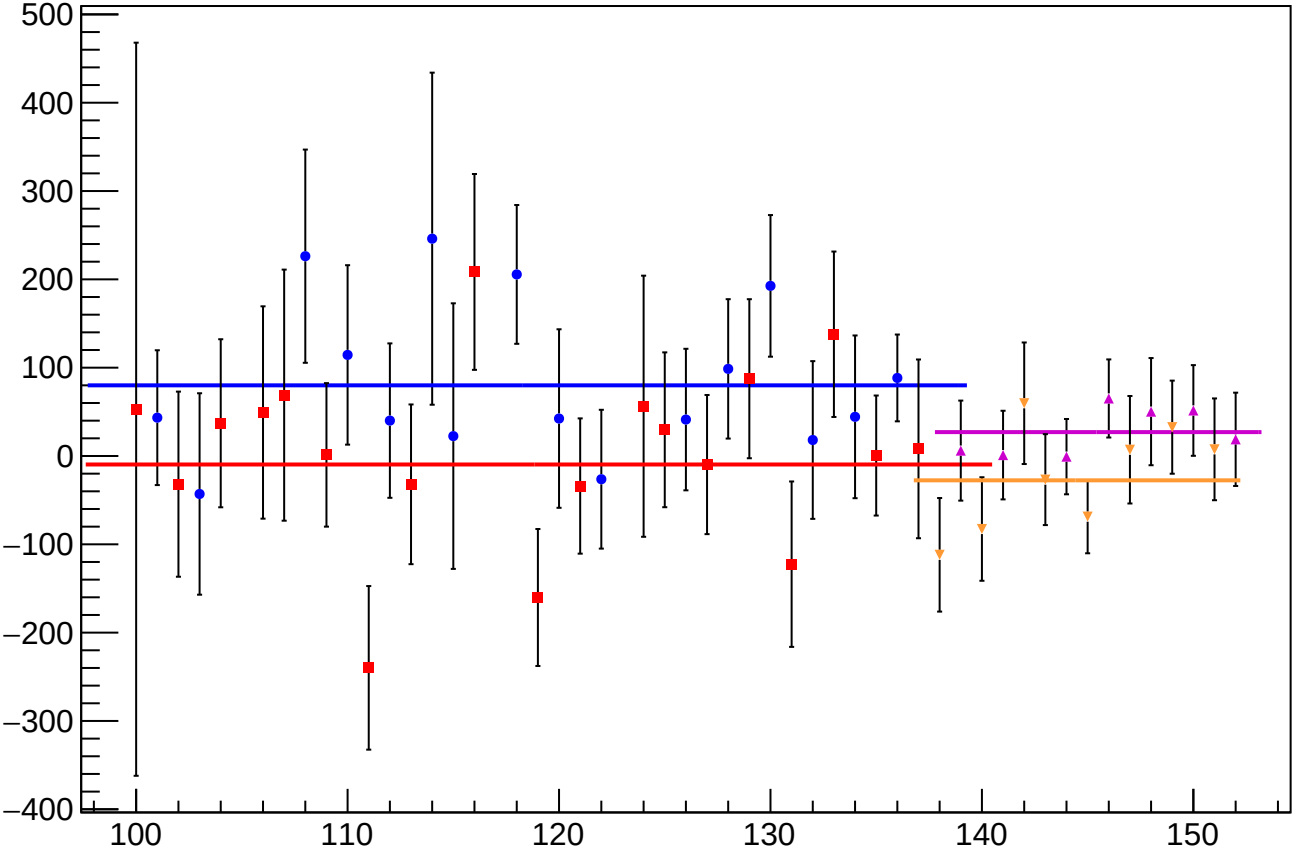
Left In: 442.329+/-0.129 χ^2/NDF:424579.8/6

+ sign 508.720+/-0.102 χ^2/NDF: 1897200.2/23

All: 506.524+/-0.072 χ^2/NDF: 3786904.7/49

- sign 504.403+/-0.101 χ^2/NDF: 1888800.5/25

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -27.558+/-19.485 χ^2/NDF:7.2/7

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

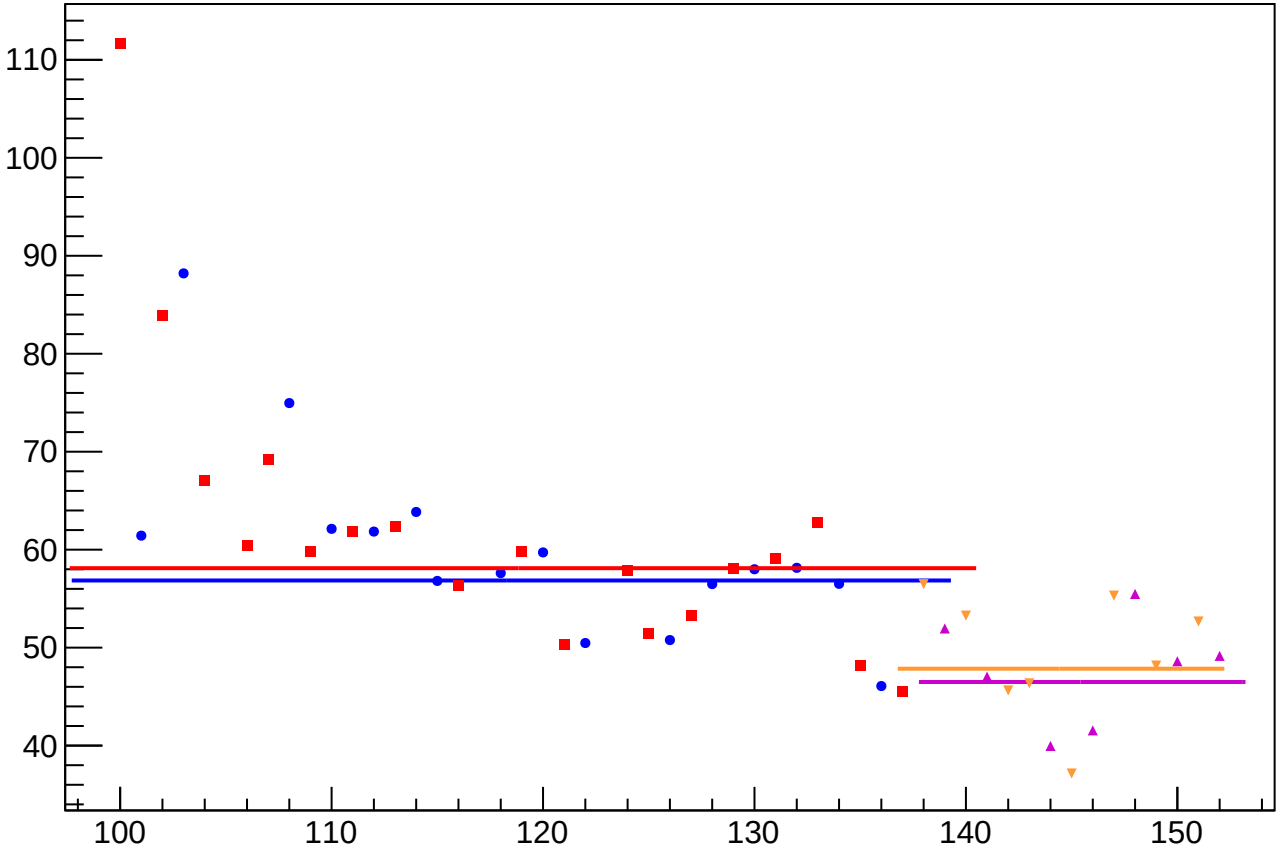
Left In: 27.043+/-18.966 χ^2/NDF:2.0/6

+ sign 21.008+/-14.430 χ^2/NDF: 32.5/23

All: 15.999+/-10.143 χ^2/NDF: 56.7/49

- sign 11.108+/-14.261 χ^2/NDF: 24.0/25

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.850+/-0.014 χ^2/NDF:234016.1/7

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

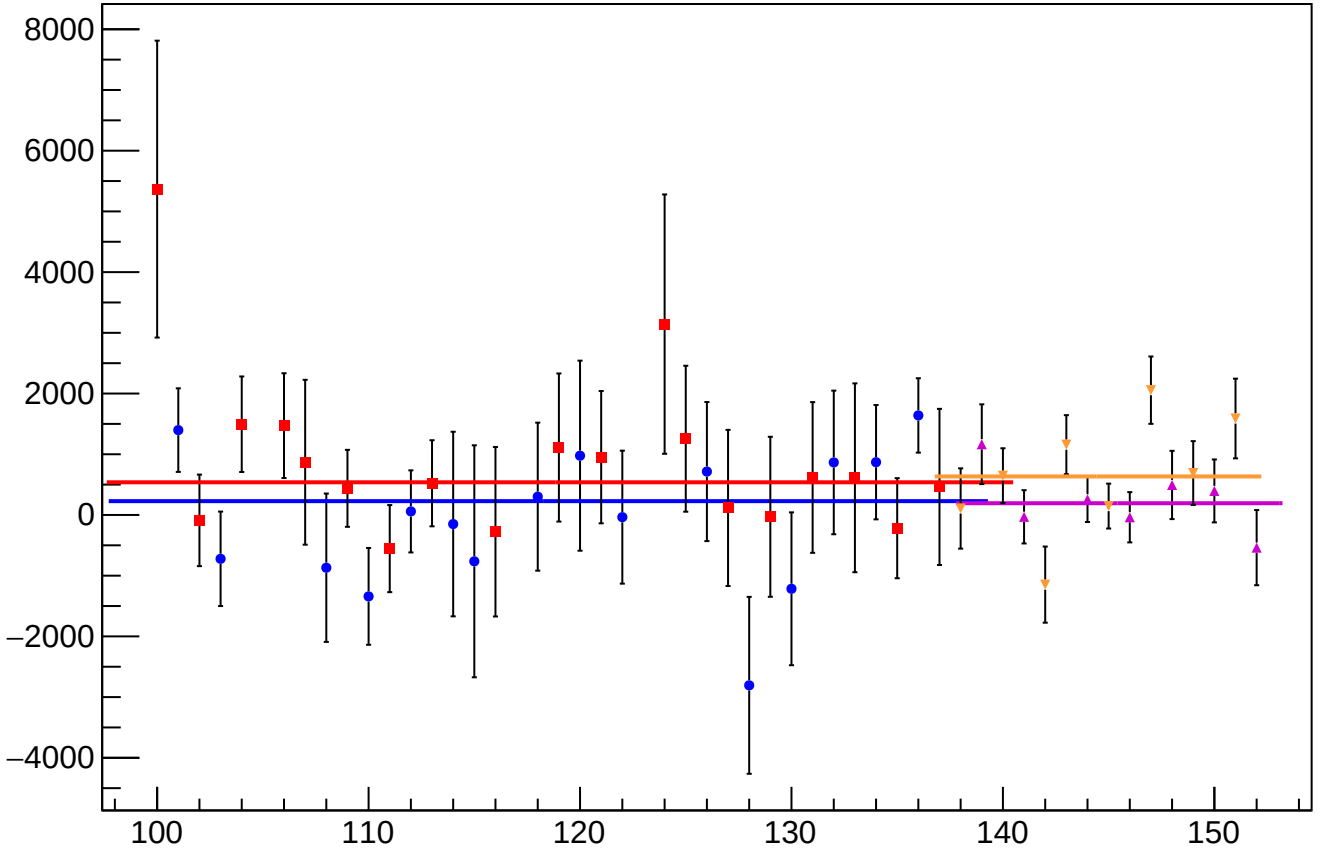
Left In: 46.494+/-0.013 χ^2/NDF:143081.5/6

+ sign 51.916+/-0.010 χ^2/NDF: 768486.2/23

All: 51.727+/-0.007 χ^2/NDF: 1551290.0/49

- sign 51.543+/-0.010 χ^2/NDF: 782129.8/25

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 634.515+/-181.163 χ^2/NDF:20.3/7

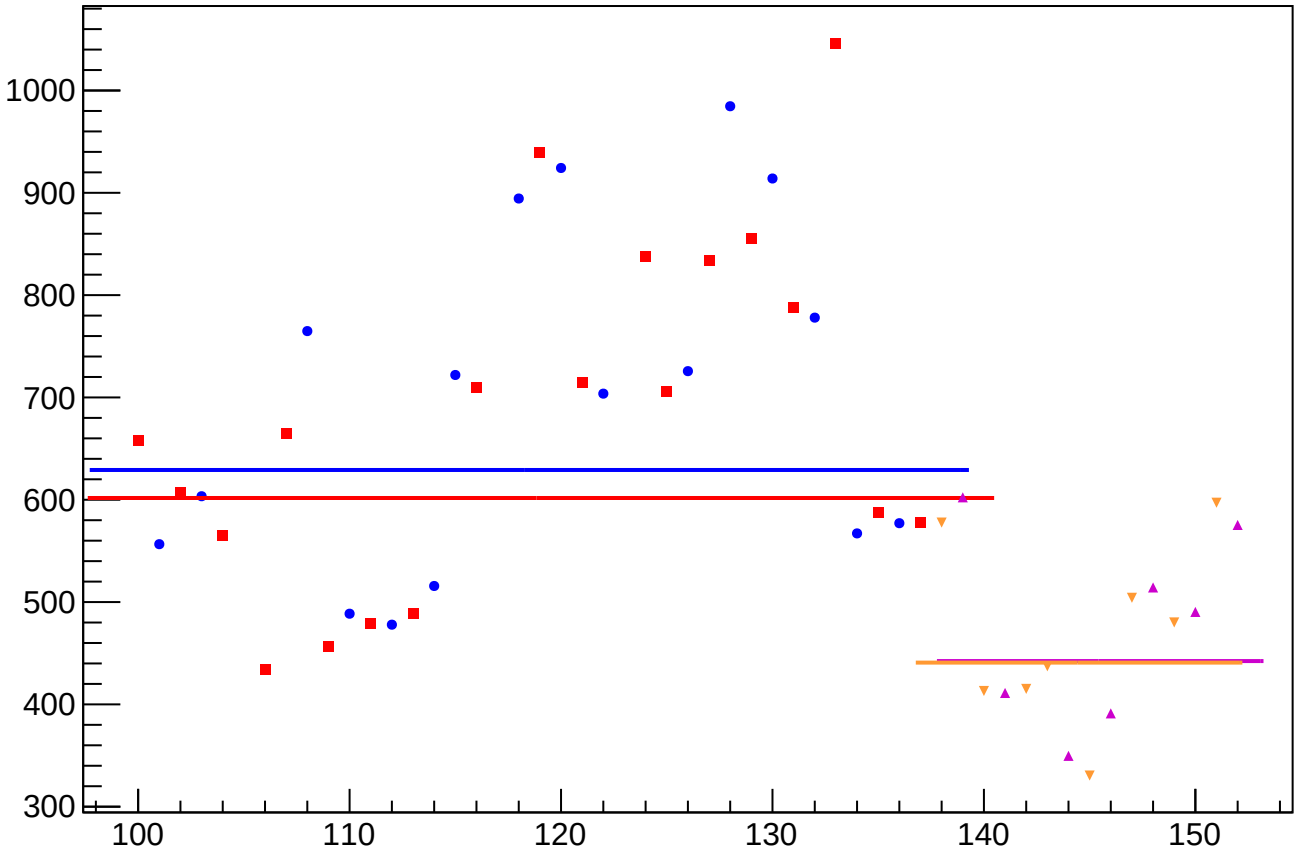
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 193.310+/-182.549 χ^2/NDF:4.6/6

+ sign 487.755+/-144.860 χ^2/NDF: 43.8/23

All: 406.395+/-101.654 χ^2/NDF: 63.7/49

- sign 327.461+/-142.685 χ^2/NDF: 19.4/25



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 440.826+/-0.128 χ^2/NDF:425540.8/7

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

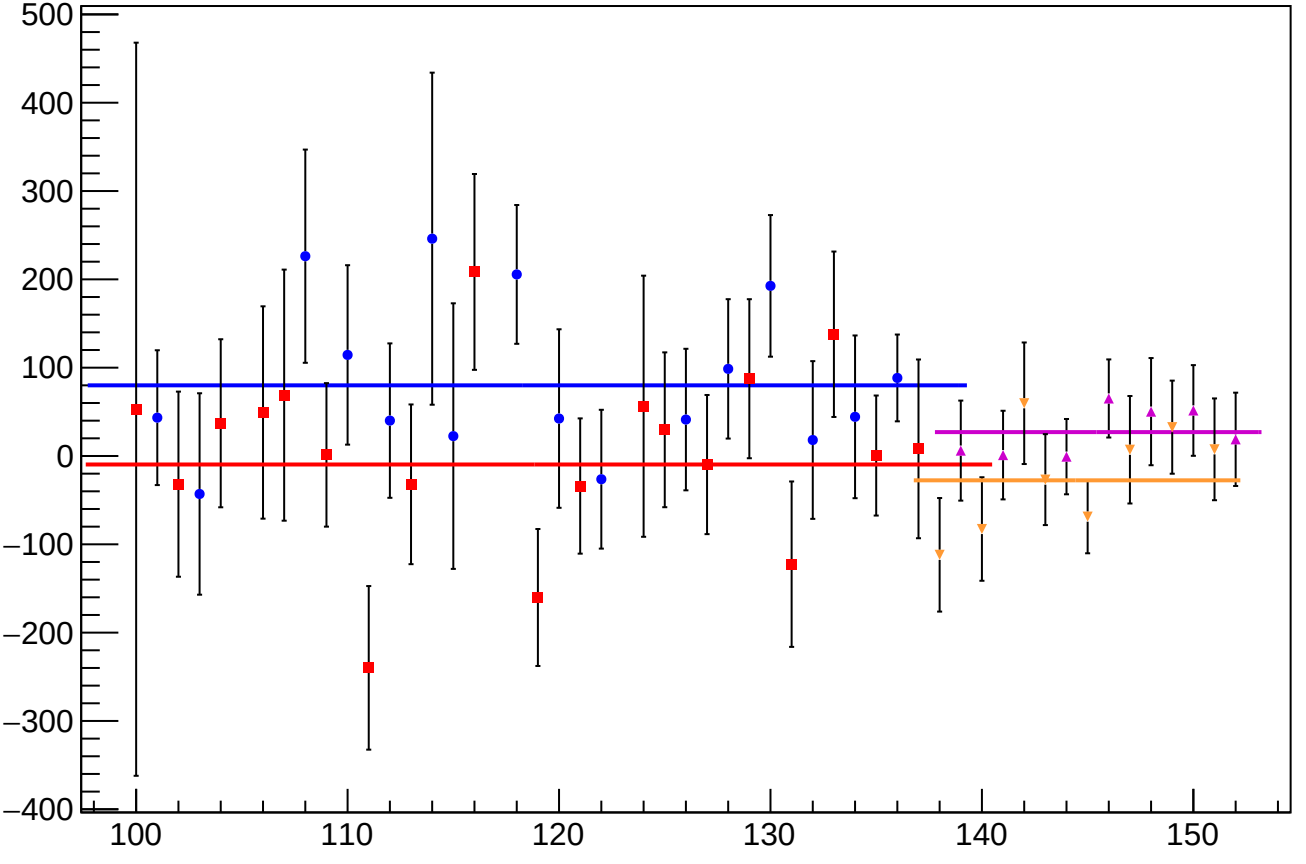
Left In: 442.330+/-0.129 χ^2/NDF:424579.4/6

+ sign 508.721+/-0.102 χ^2/NDF: 1897227.3/23

All: 506.499+/-0.072 χ^2/NDF: 3789998.8/49

- sign 504.342+/-0.101 χ^2/NDF: 1891843.8/25

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -27.558+/-19.485 χ^2/NDF:7.2/7

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

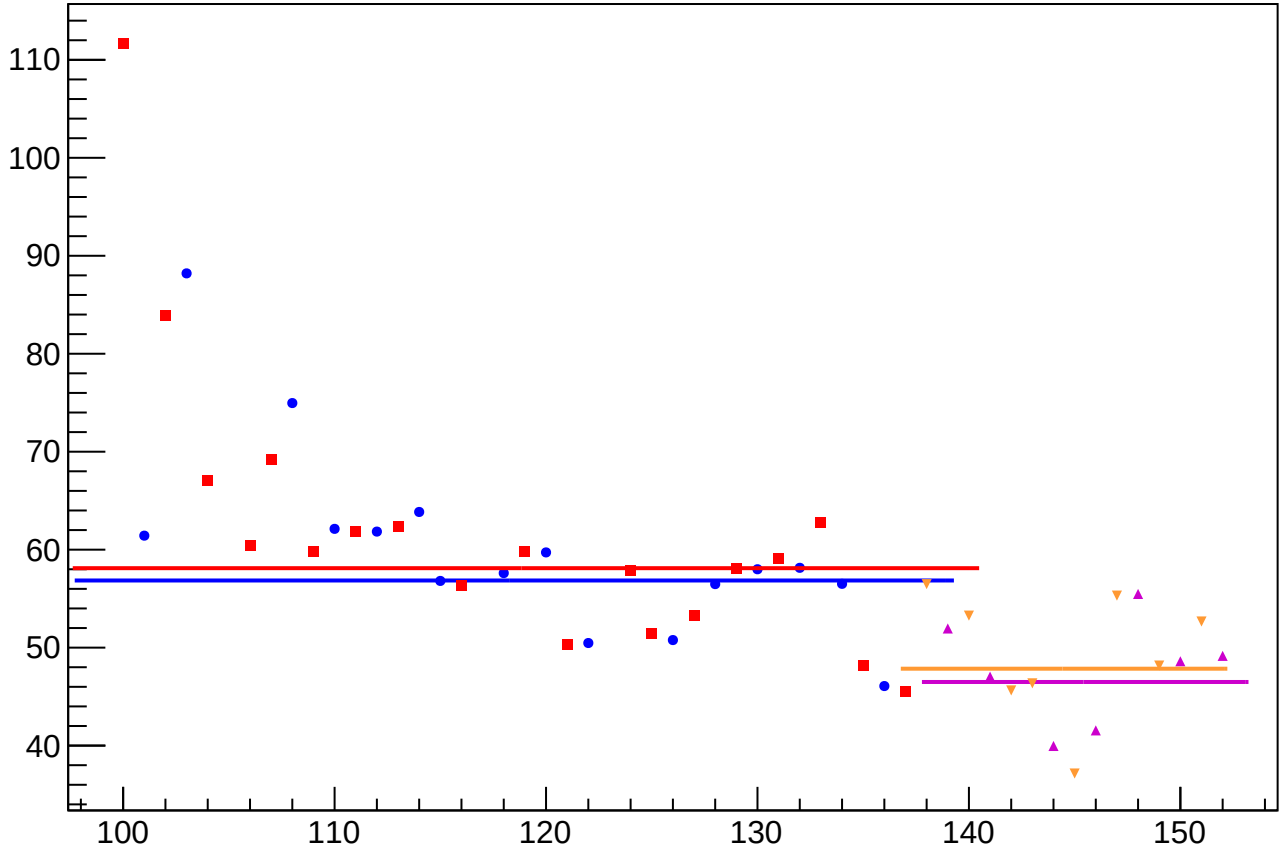
Left In: 27.043+/-18.966 χ^2/NDF:2.0/6

+ sign 21.008+/-14.430 χ^2/NDF: 32.5/23

All: 15.999+/-10.143 χ^2/NDF: 56.7/49

- sign 11.108+/-14.261 χ^2/NDF: 24.0/25

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.850+/-0.014 χ^2/NDF:234016.1/7

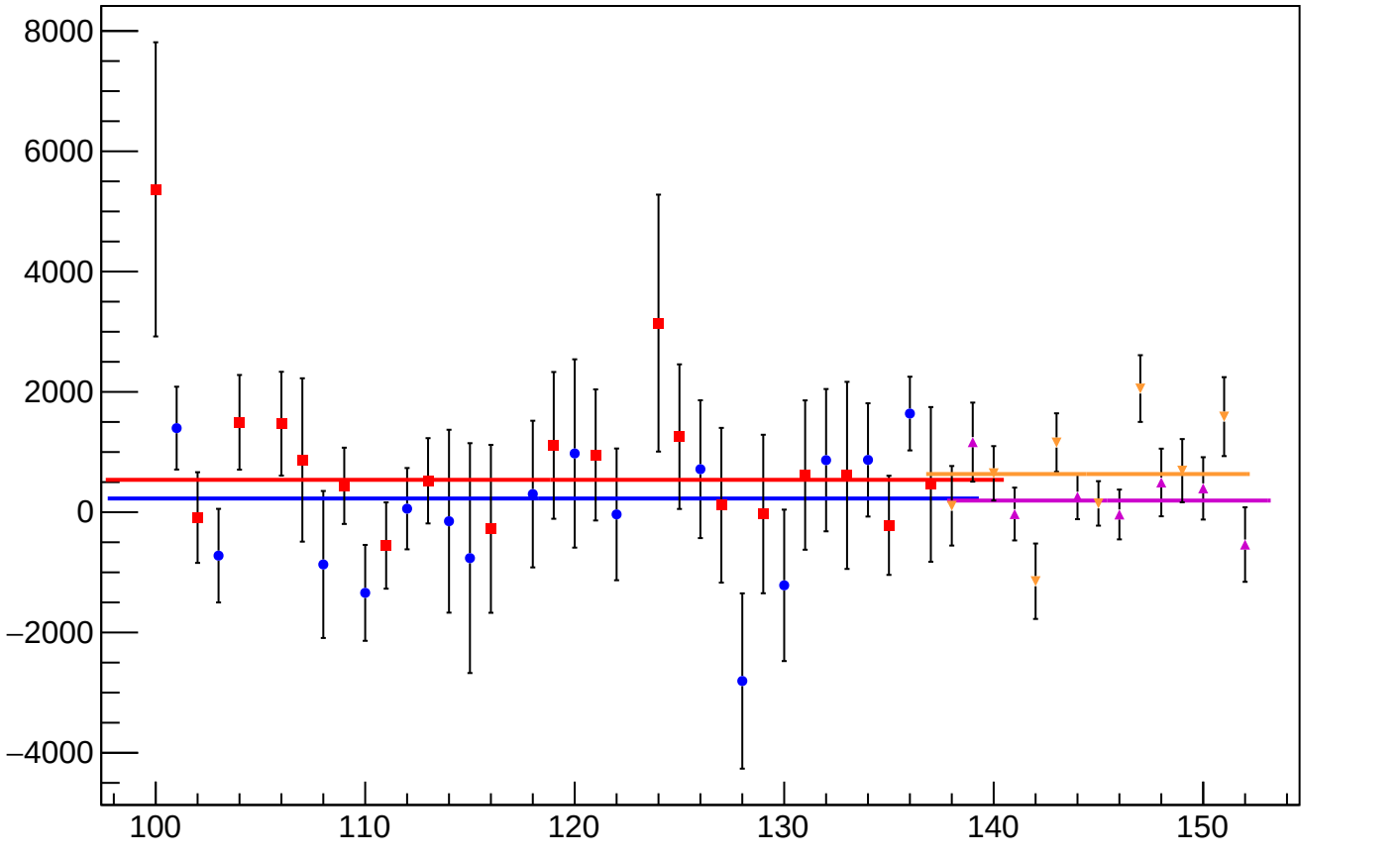
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.494+/-0.013 χ^2/NDF:143081.5/6

+ sign 51.916+/-0.010 χ^2/NDF: 768486.2/23

All: 51.727+/-0.007 χ^2/NDF: 1551290.0/49

- sign 51.543+/-0.010 χ^2/NDF: 782129.8/25



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 634.515+/-181.163 χ^2/NDF:20.3/7

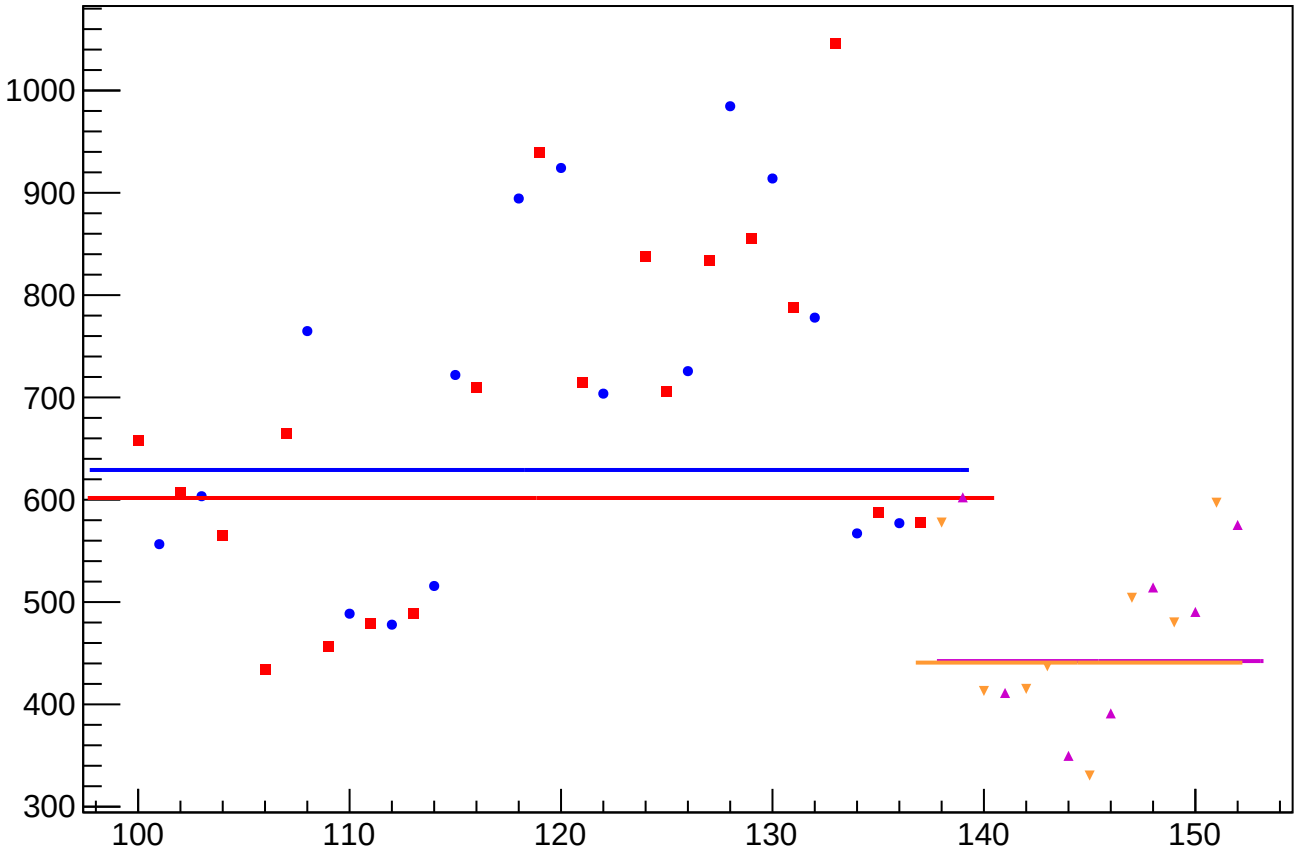
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 193.310+/-182.549 χ^2/NDF:4.6/6

\+ sign 487.755+/-144.860 χ^2/NDF: 43.8/23

All: 406.395+/-101.654 χ^2/NDF: 63.7/49

\- sign 327.461+/-142.685 χ^2/NDF: 19.4/25



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 440.826+/-0.128 χ^2/NDF:425540.8/7

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

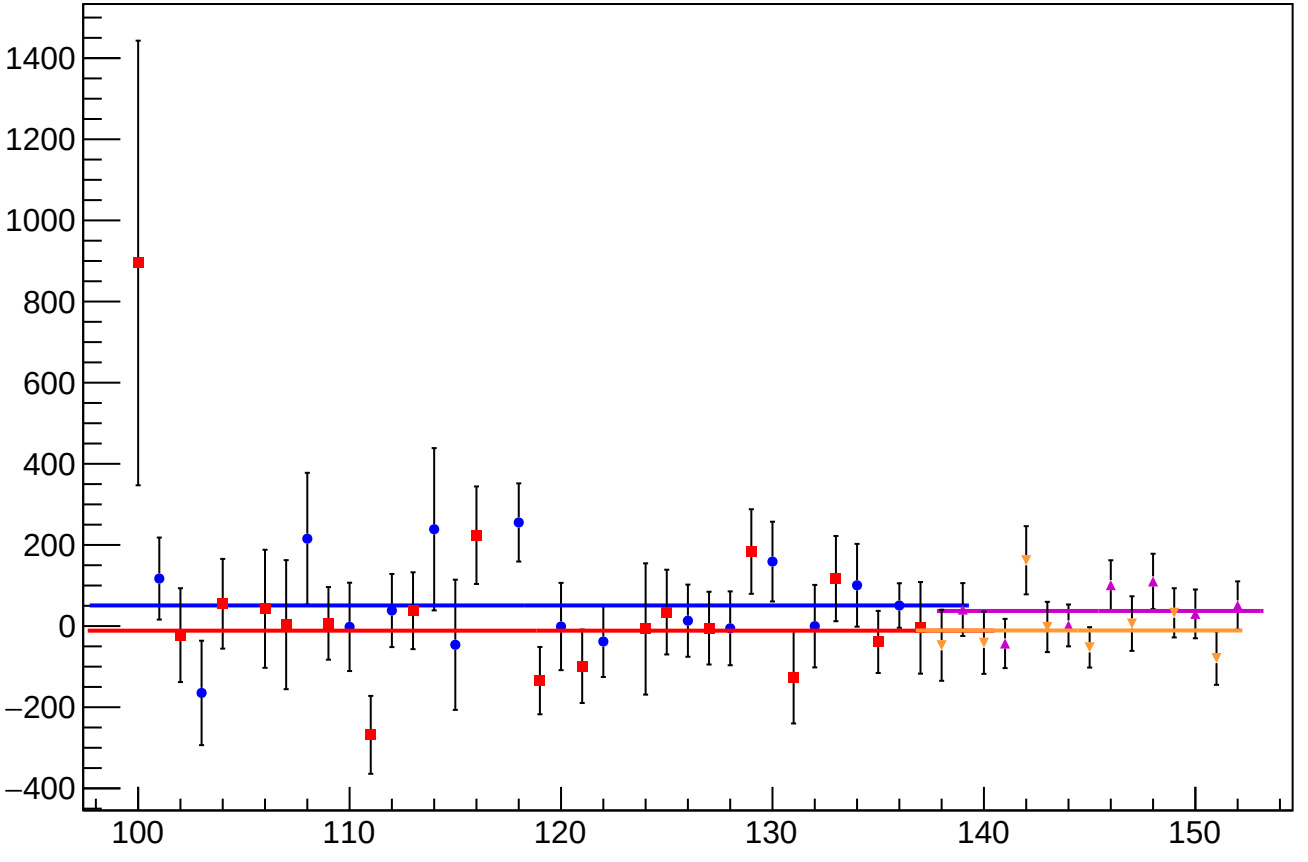
Left In: 442.330+/-0.129 χ^2/NDF:424579.4/6

+ sign 508.721+/-0.102 χ^2/NDF: 1897227.3/23

All: 506.499+/-0.072 χ^2/NDF: 3789998.8/49

- sign 504.342+/-0.101 χ^2/NDF: 1891843.8/25

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.788+/-23.383 χ^2/NDF:6.9/7

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

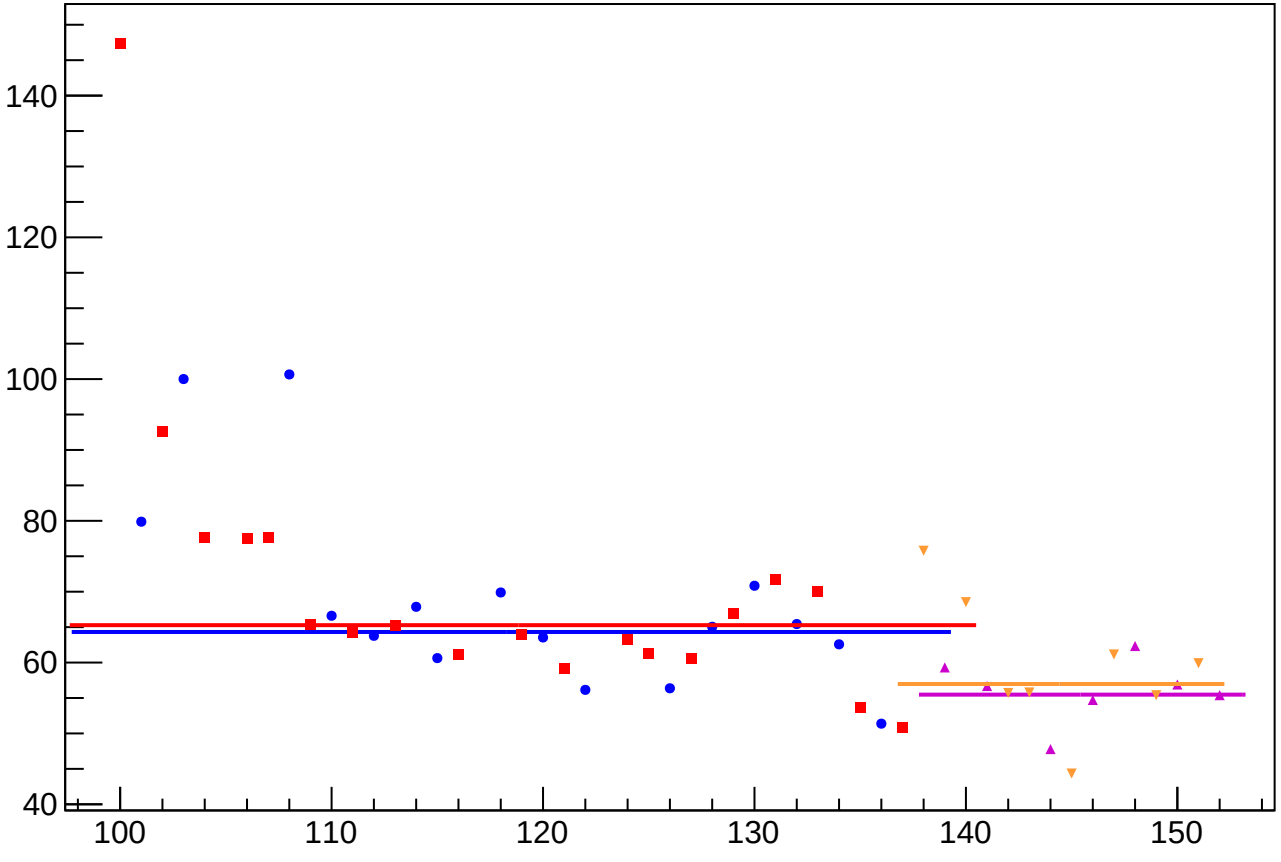
Left In: 37.305+/-22.811 χ^2/NDF:4.5/6

+ sign 18.609+/-16.913 χ^2/NDF: 24.1/23

All: 16.562+/-11.861 χ^2/NDF: 54.7/49

- sign 14.580+/-16.639 χ^2/NDF: 30.6/25

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.973+/-0.017 χ^2/NDF:280496.0/7

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

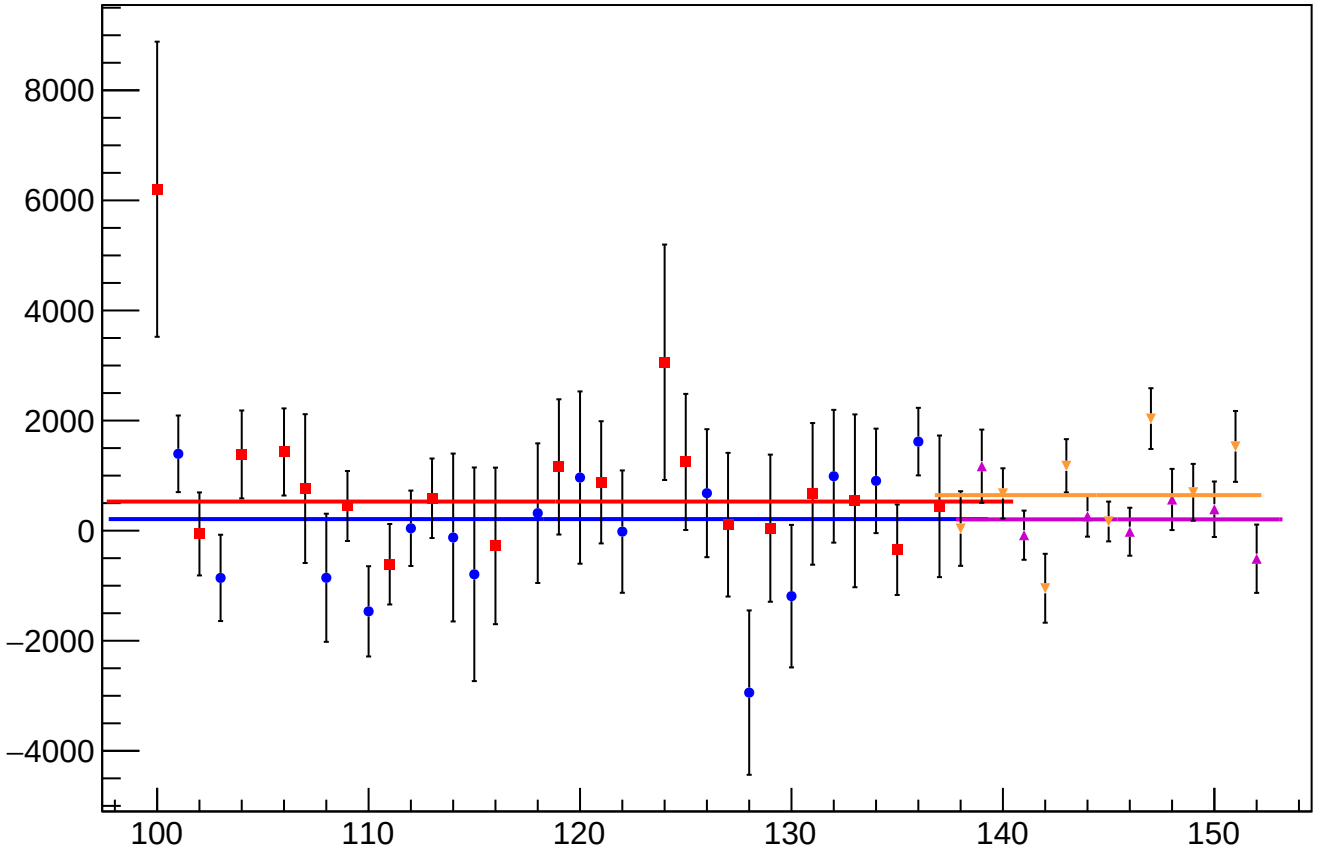
Left In: 55.474+/-0.016 χ^2/NDF:73726.8/6

+ sign 60.475+/-0.012 χ^2/NDF: 839526.0/23

All: 60.265+/-0.008 χ^2/NDF: 1405854.3/49

- sign 60.061+/-0.012 χ^2/NDF: 565720.5/25

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 645.455+/-179.911 χ^2/NDF:19.3/7

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

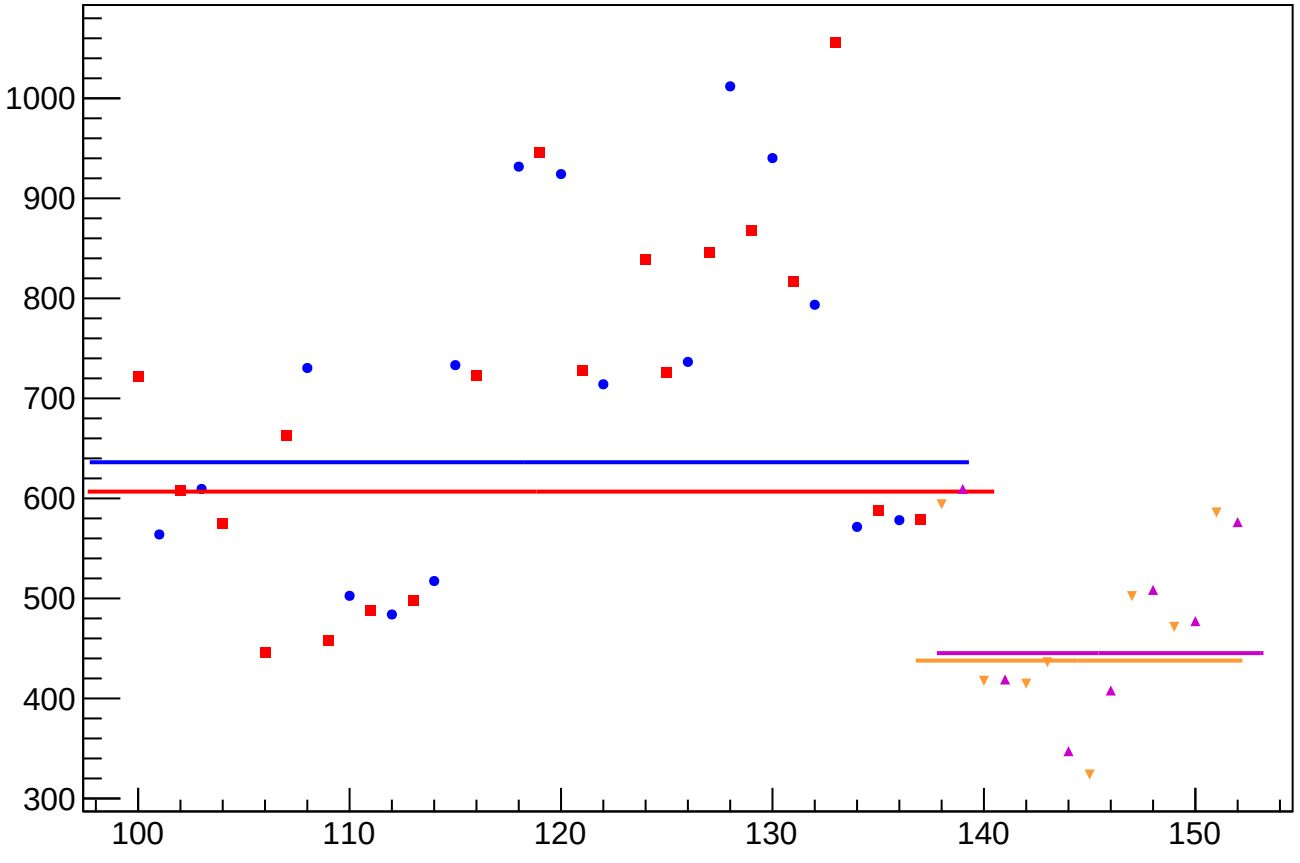
Left In: 205.376+/-183.831 χ^2/NDF:4.7/6

\+ sign 491.932+/-144.762 χ^2/NDF: 43.8/23

All: 411.084+/-101.920 χ^2/NDF: 64.2/49

\- sign 331.615+/-143.521 χ^2/NDF: 19.7/25

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 437.842+/-0.127 χ^2/NDF:453148.0/7

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

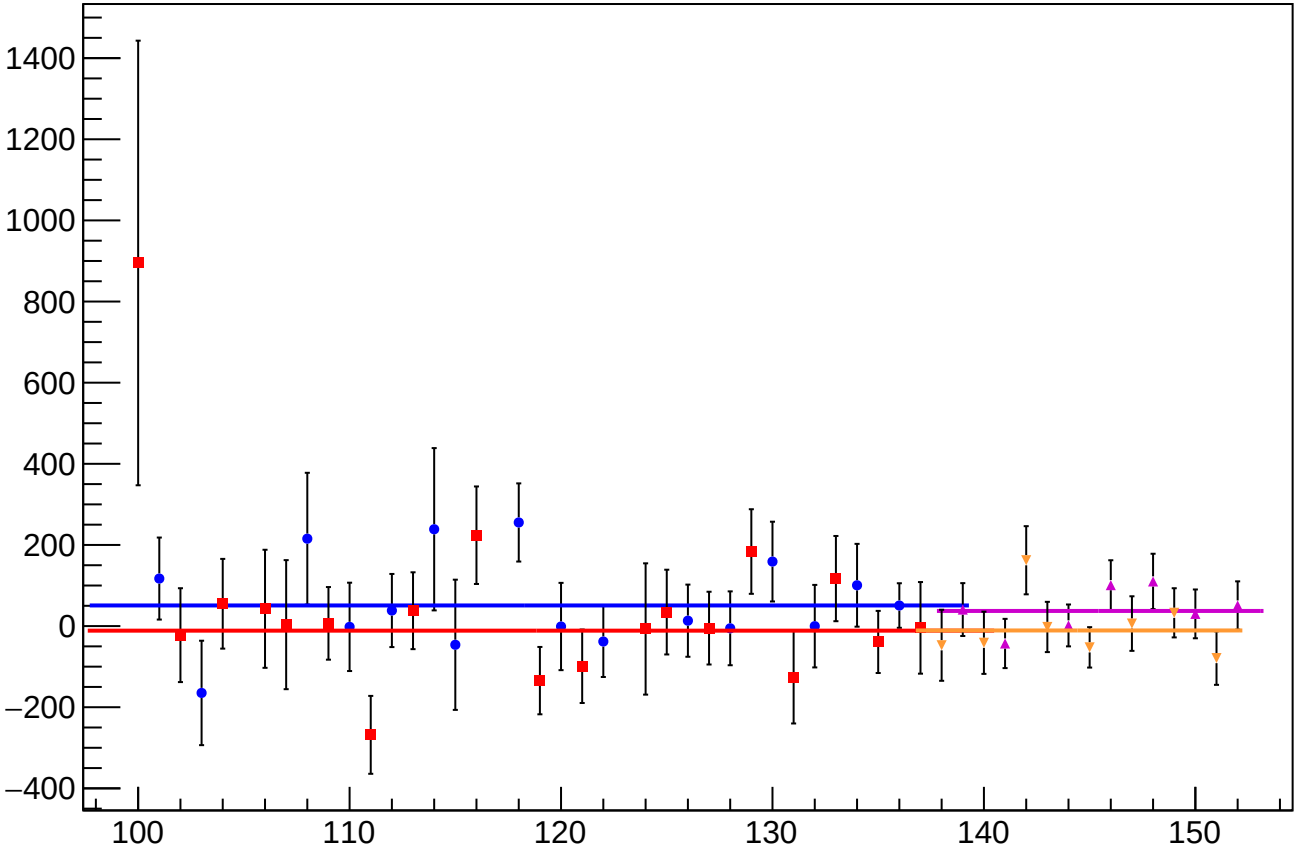
Left In: 445.330+/-0.130 χ^2/NDF:406707.1/6

+ sign 507.758+/-0.102 χ^2/NDF: 2015063.2/23

All: 508.072+/-0.072 χ^2/NDF: 3918201.9/49

- sign 508.381+/-0.101 χ^2/NDF: 1903120.1/25

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.788+/-23.383 χ^2/NDF:6.9/7

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

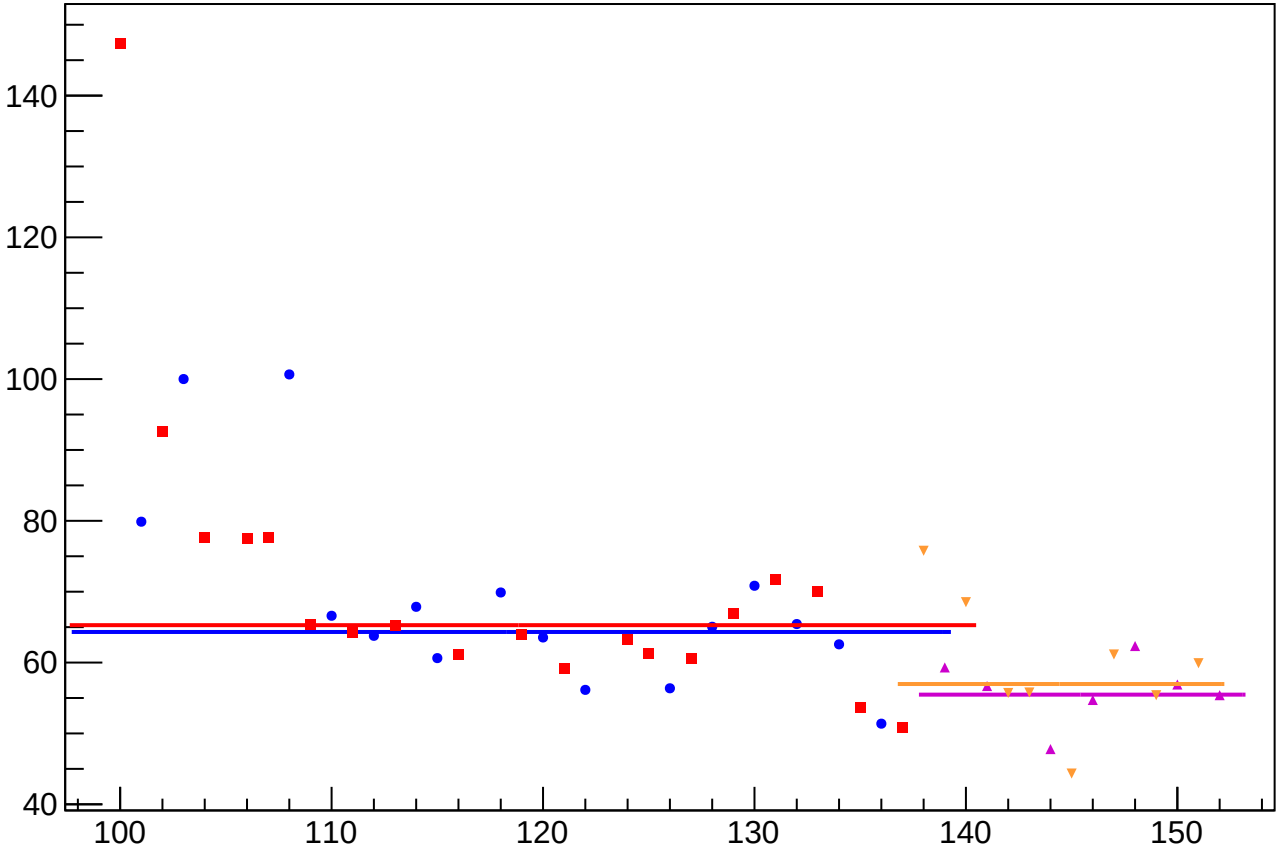
Left In: 37.305+/-22.811 χ^2/NDF:4.5/6

+ sign 18.609+/-16.913 χ^2/NDF: 24.1/23

All: 16.561+/-11.861 χ^2/NDF: 54.7/49

- sign 14.580+/-16.639 χ^2/NDF: 30.6/25

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.973+/-0.017 χ^2/NDF:280482.4/7

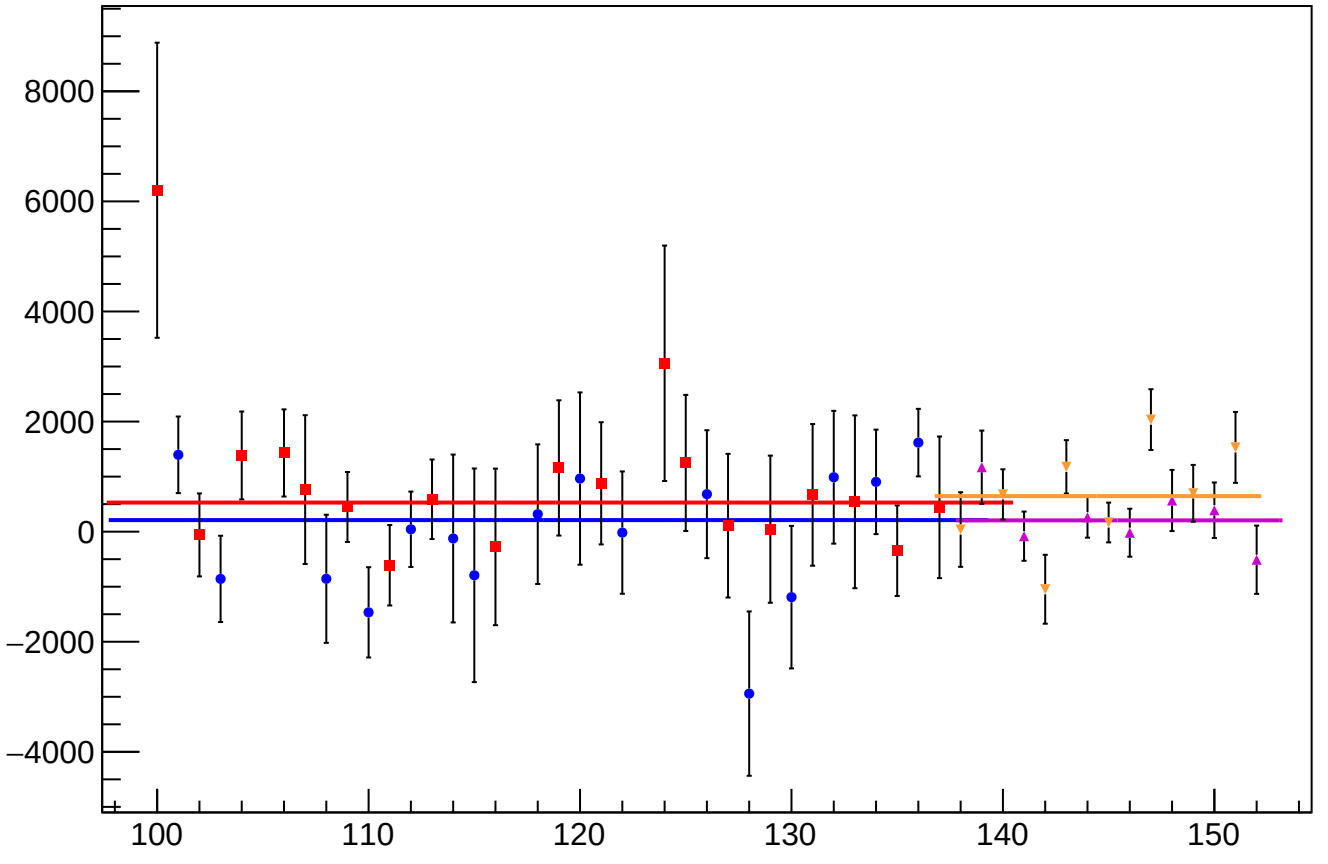
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.474+/-0.016 χ^2/NDF:73721.9/6

+ sign 60.475+/-0.012 χ^2/NDF: 839505.1/23

All: 60.265+/-0.008 χ^2/NDF: 1405825.2/49

- sign 60.061+/-0.012 χ^2/NDF: 565712.1/25



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 645.454+/-179.911 χ^2/NDF:19.3/7

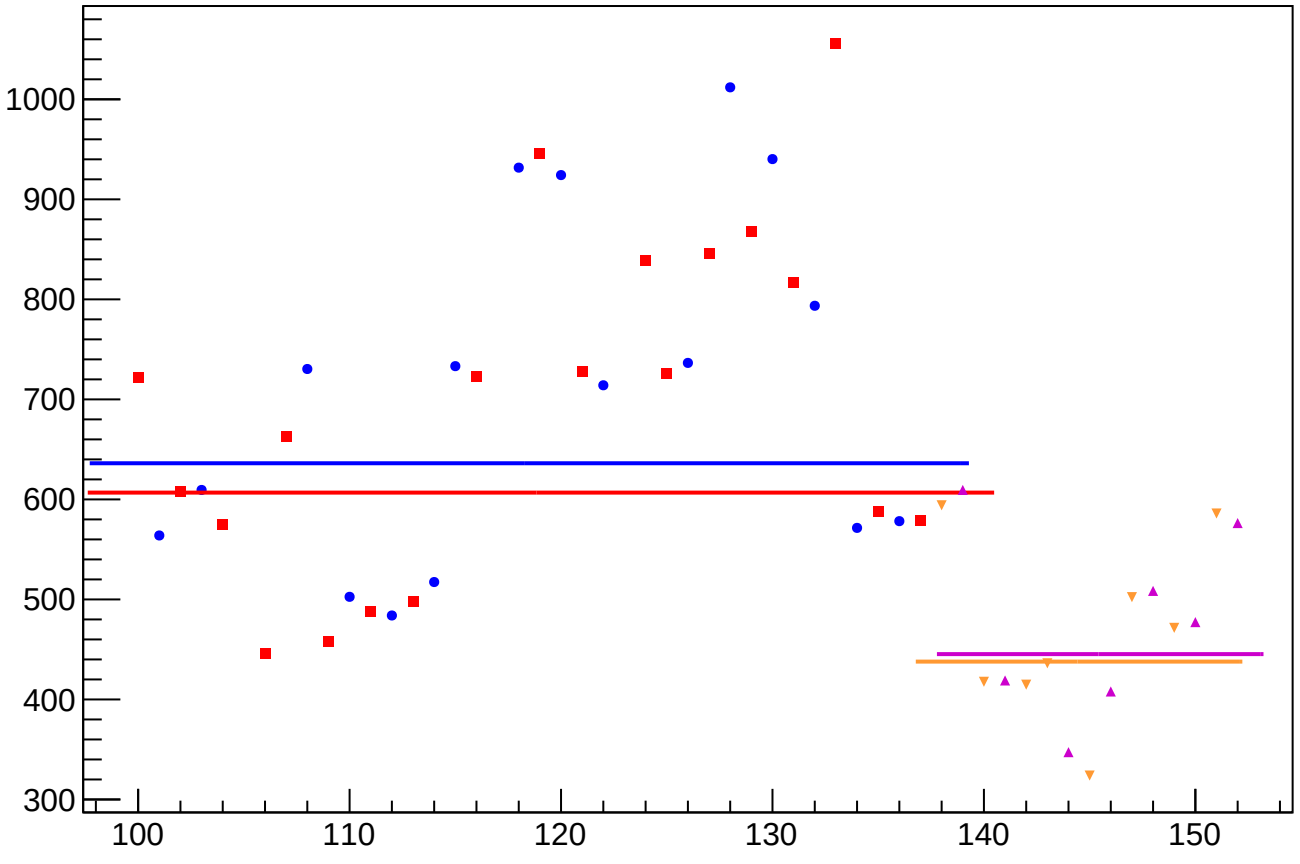
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 205.376+/-183.830 χ^2/NDF:4.7/6

+ sign 491.931+/-144.761 χ^2/NDF: 43.8/23

All: 411.083+/-101.920 χ^2/NDF: 64.2/49

- sign 331.614+/-143.521 χ^2/NDF: 19.7/25



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 437.841+/-0.127 χ^2/NDF:453153.1/7

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

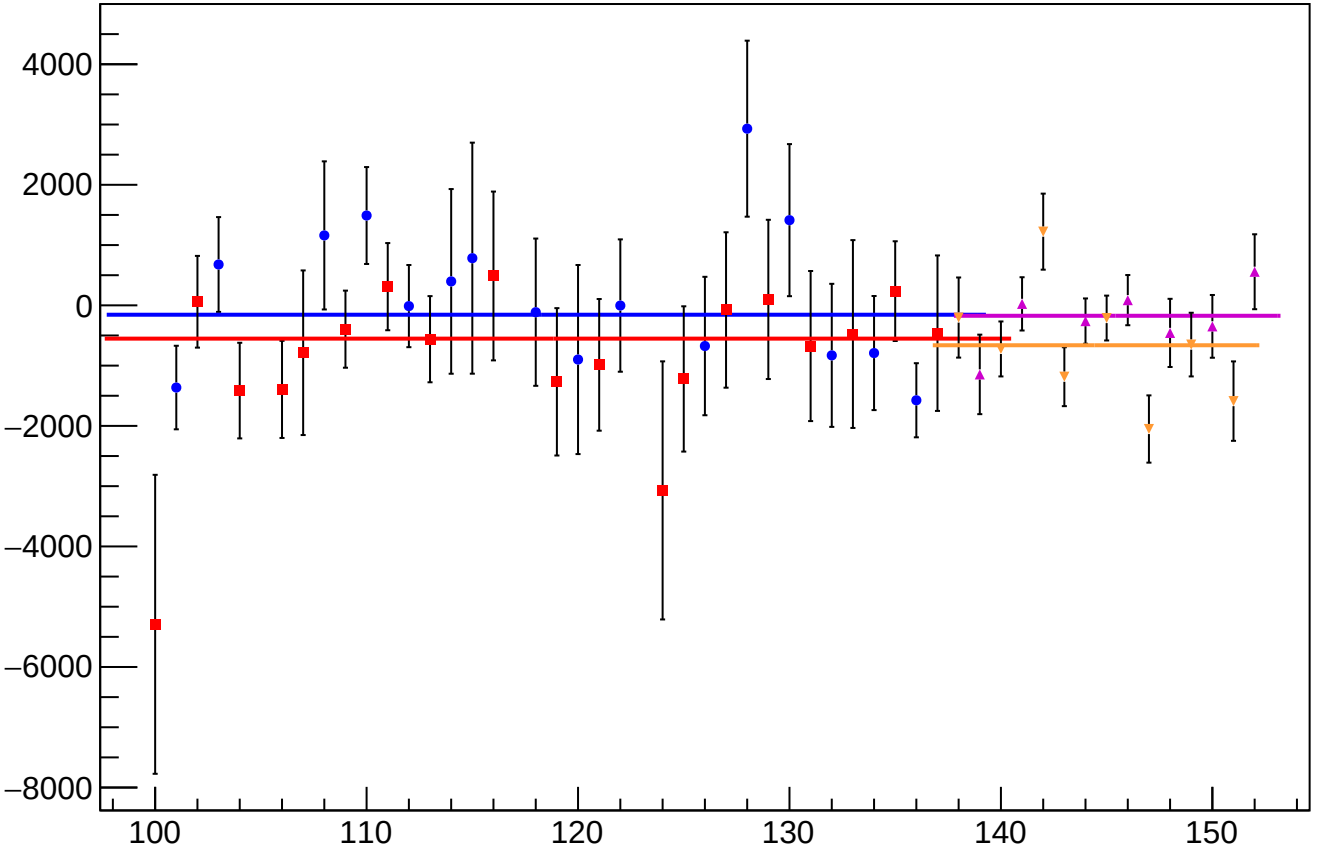
Left In: 445.329+/-0.130 χ^2/NDF:406707.5/6

+ sign 507.757+/-0.102 χ^2/NDF: 2015076.4/23

All: 508.071+/-0.072 χ^2/NDF: 3918218.6/49

- sign 508.380+/-0.101 χ^2/NDF: 1903123.5/25

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -662.112+/-182.281 χ^2/NDF:20.2/7

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

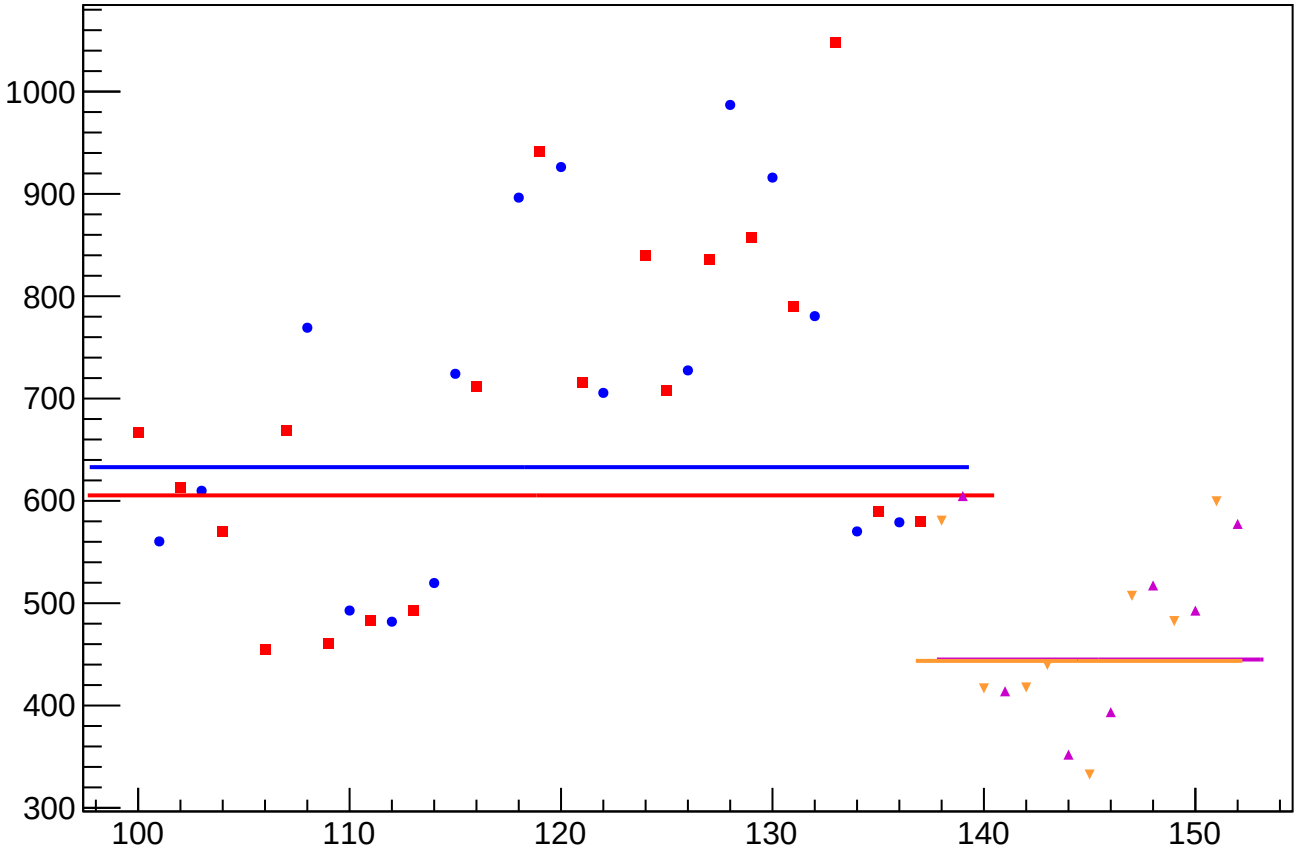
Left In: -173.038+/-183.602 χ^2/NDF:4.6/6

+ sign -479.357+/-145.729 χ^2/NDF: 45.5/23

All: -399.046+/-102.147 χ^2/NDF: 64.4/49

- sign -321.476+/-143.219 χ^2/NDF: 18.4/25

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 443.626+/-0.129 χ^2/NDF:422425.4/7

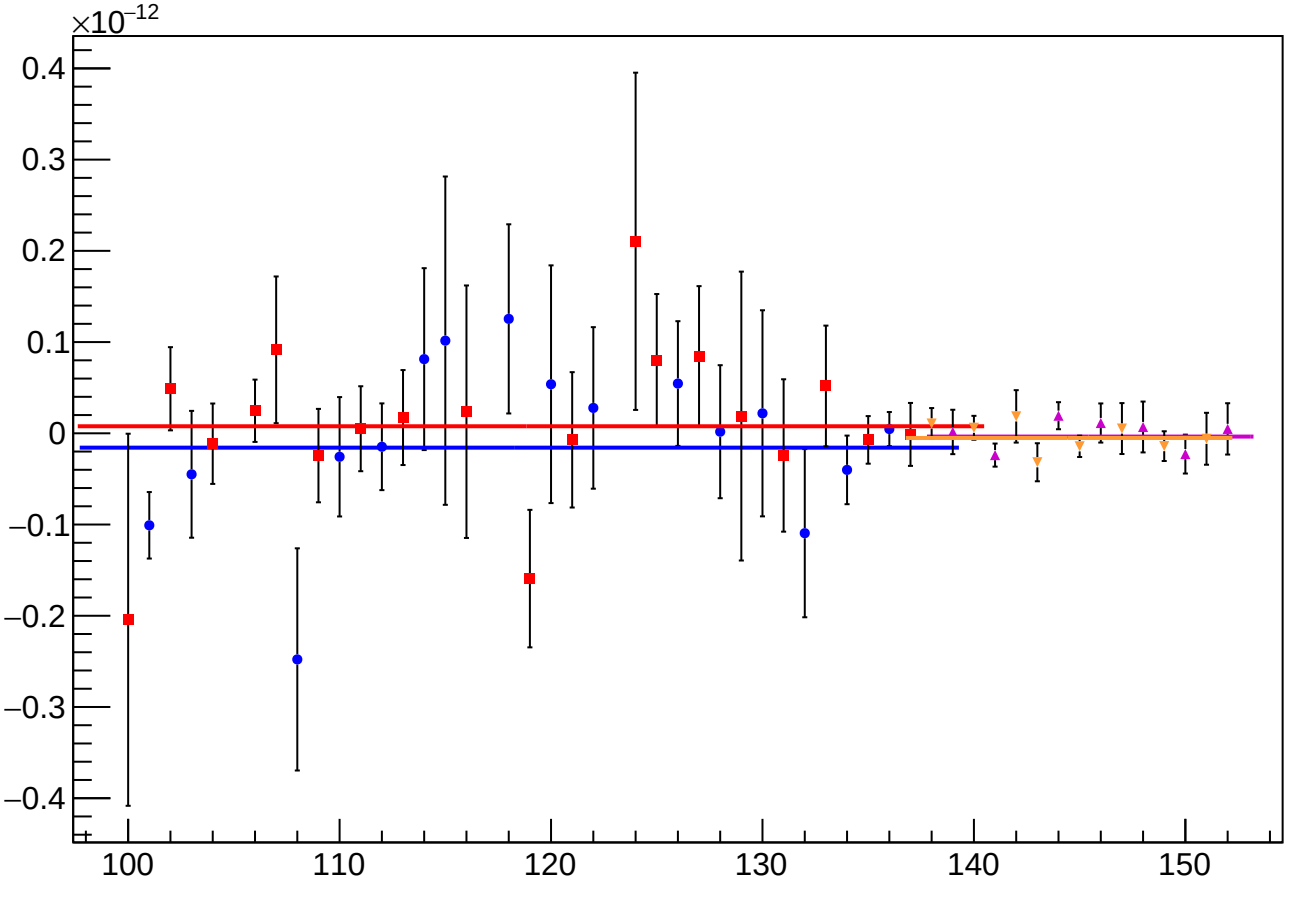
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 444.968+/-0.130 χ^2/NDF:420507.6/6

+ sign 511.949+/-0.103 χ^2/NDF: 1882234.1/23

All: 509.823+/-0.072 χ^2/NDF: 3755242.0/49

- sign 507.769+/-0.101 χ^2/NDF: 1872170.9/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/7

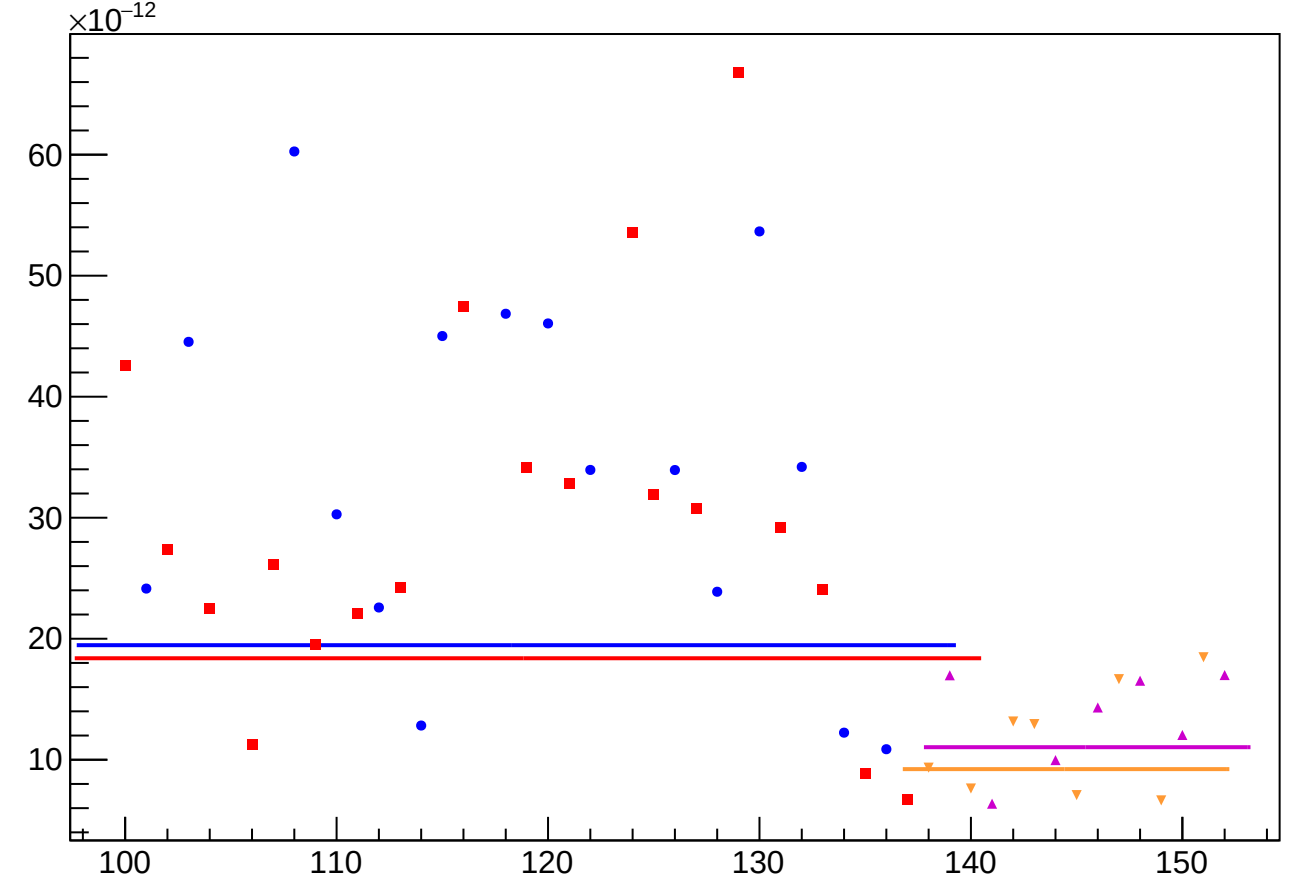
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.4/23

All: -0.000+/-0.000 χ^2/NDF: 43.2/49

- sign -0.000+/-0.000 χ^2/NDF: 20.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:601469.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

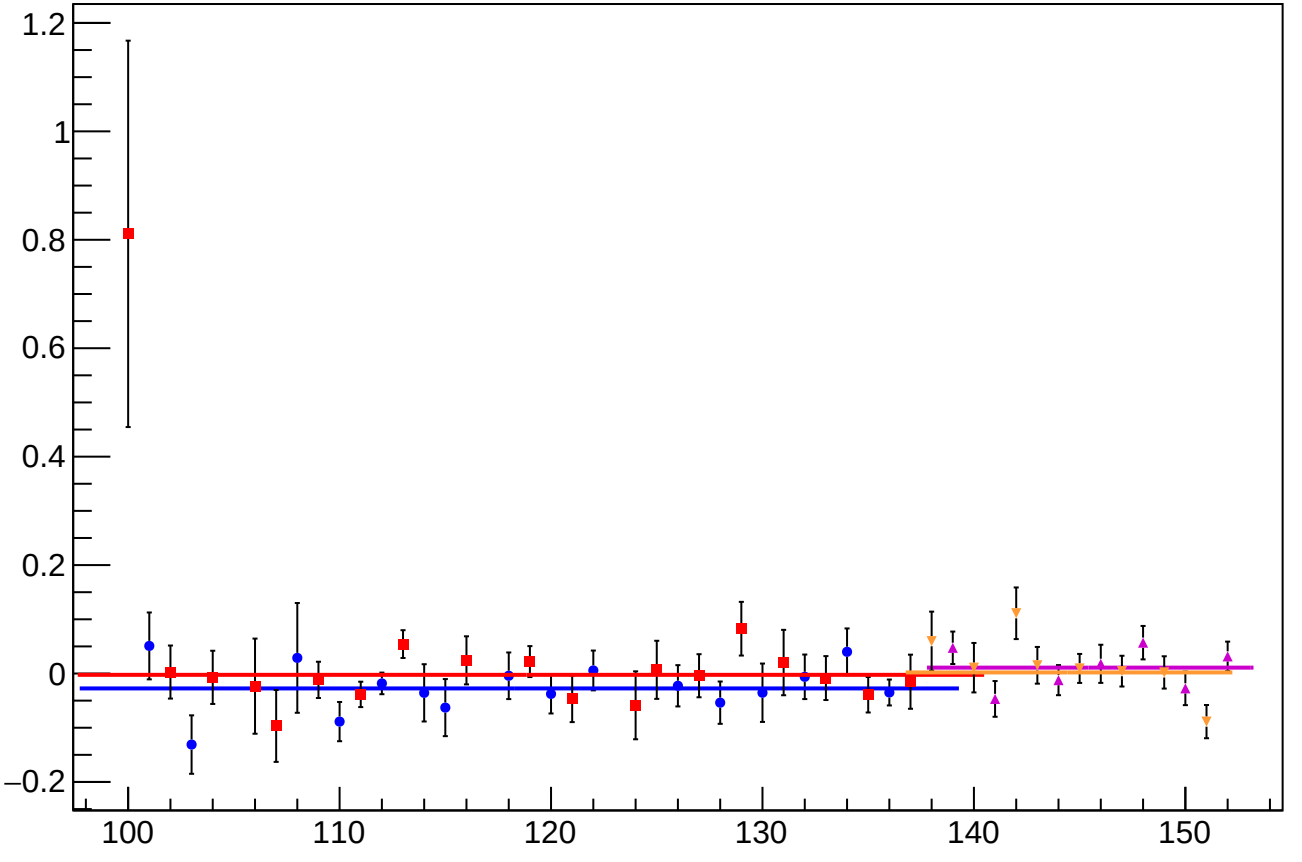
Left In: 0.000+/-0.000 χ^2/NDF:620826.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 3402534.0/23

All: 0.000+/-0.000 χ^2/NDF: 6097700.0/49

- sign 0.000+/-0.000 χ^2/NDF: 2607222.8/25

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.012 χ^2/NDF:15.4/7

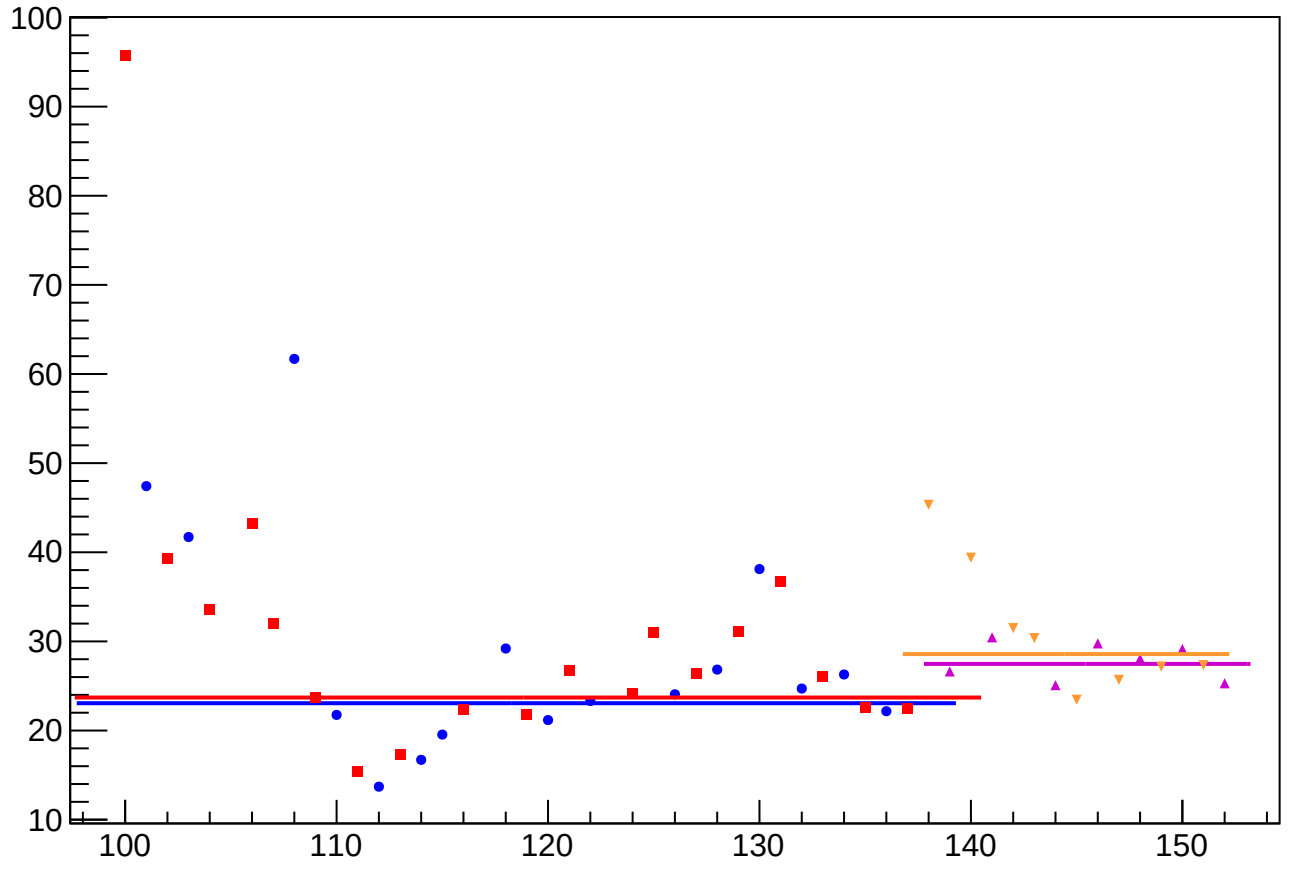
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.011+/-0.011 χ^2/NDF:9.6/6

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/23

All: -0.006+/-0.005 χ^2/NDF: 68.8/49

- sign 0.003+/-0.007 χ^2/NDF: 32.5/25



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.581+/-0.008 χ^2/NDF:416379.1/7

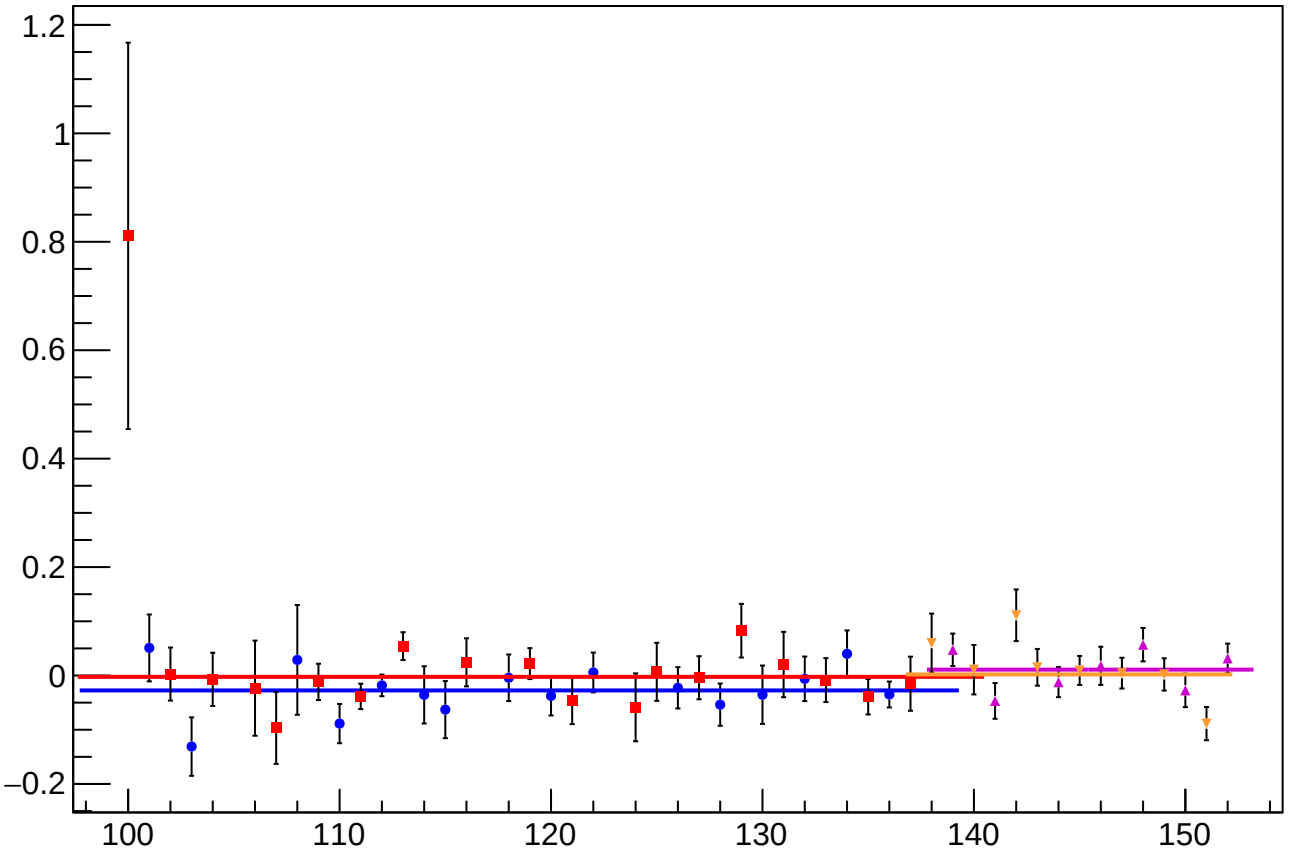
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.475+/-0.008 χ^2/NDF:60611.3/6

+ sign 25.165+/-0.005 χ^2/NDF: 2243292.0/23

All: 25.181+/-0.004 χ^2/NDF: 3522946.6/49

- sign 25.196+/-0.005 χ^2/NDF: 1279637.0/25



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.012 χ^2/NDF:15.4/7

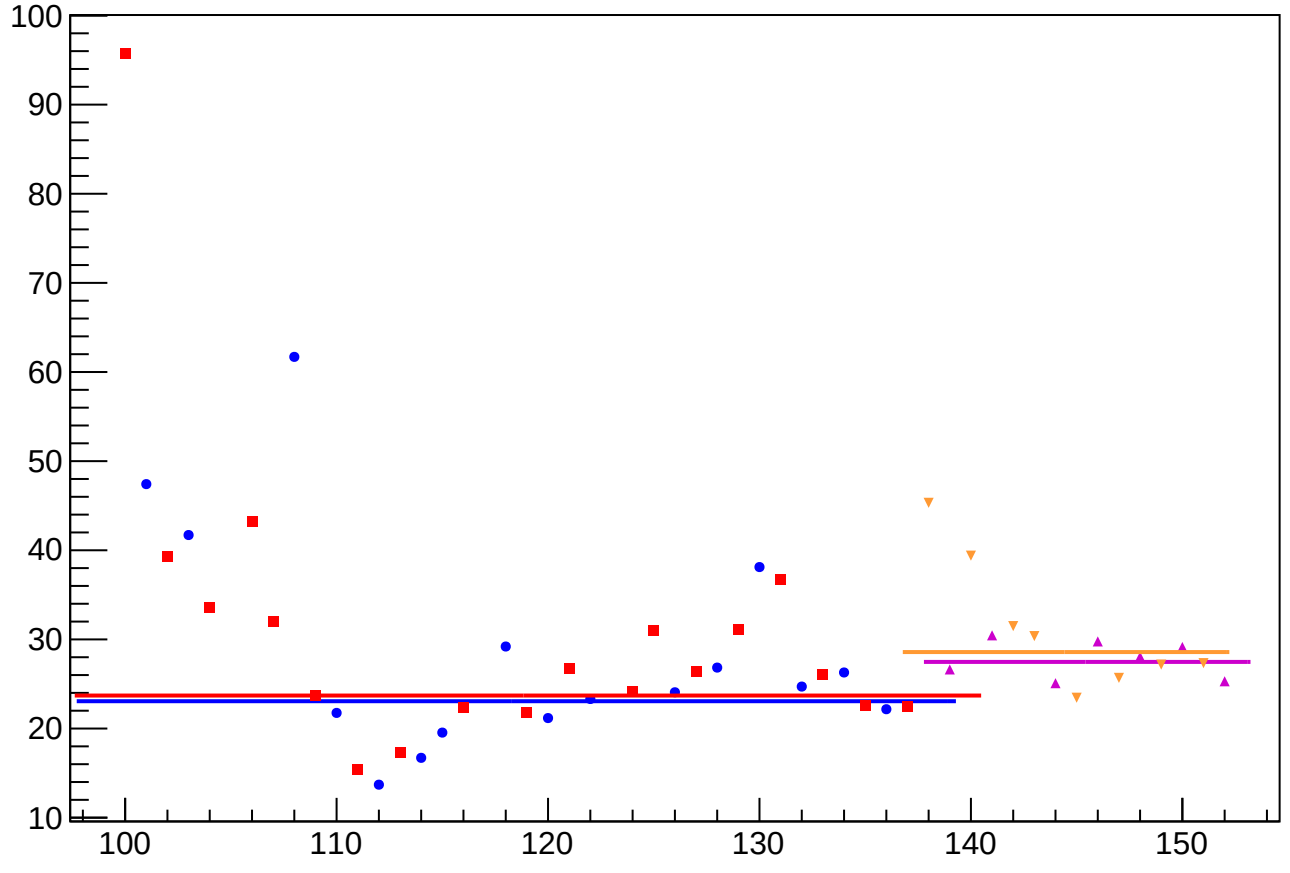
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.011+/-0.011 χ^2/NDF:9.6/6

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/23

All: -0.006+/-0.005 χ^2/NDF: 68.8/49

- sign 0.003+/-0.007 χ^2/NDF: 32.5/25



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.581+/-0.008 χ^2/NDF:416379.1/7

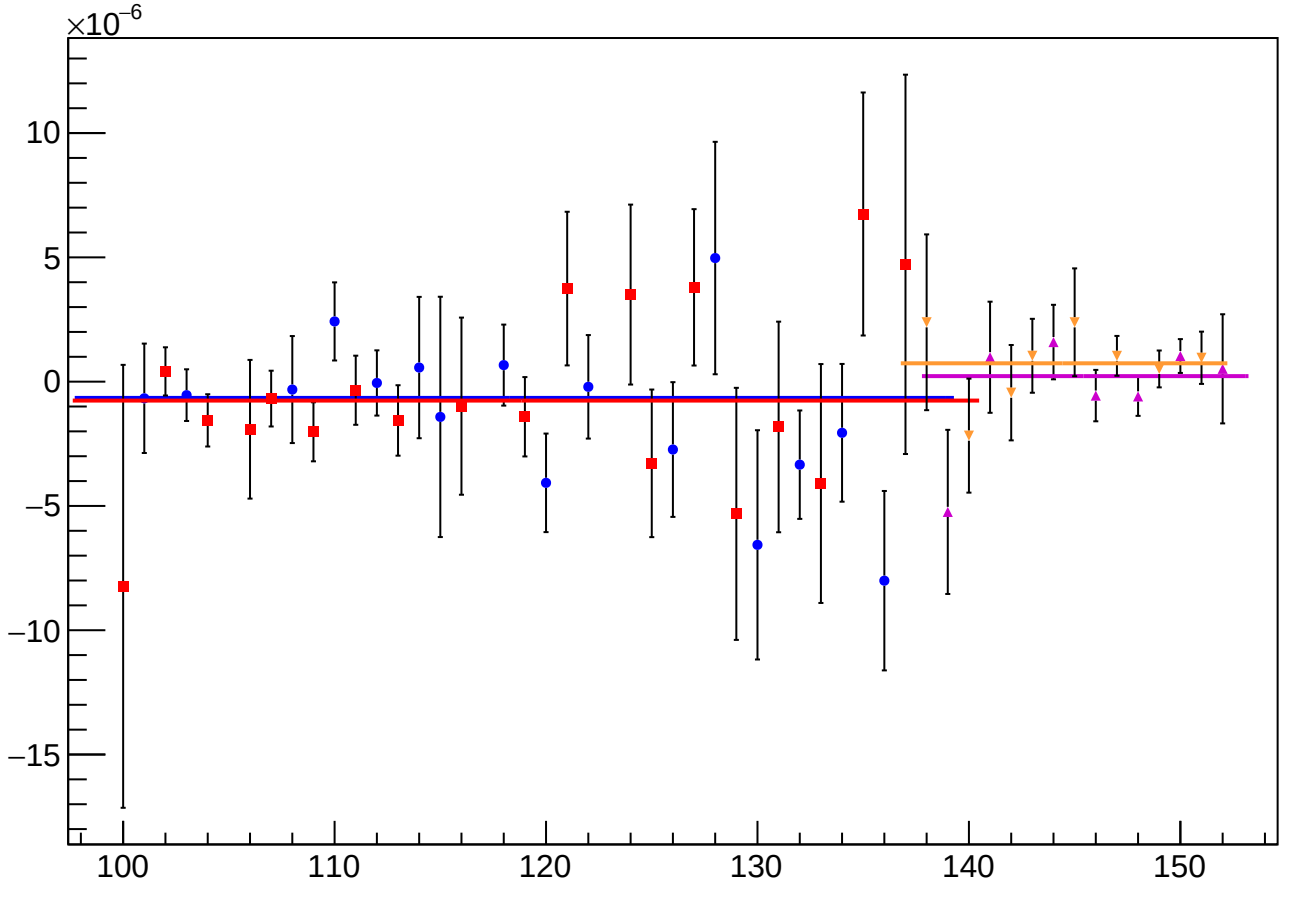
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.475+/-0.008 χ^2/NDF:60611.3/6

+ sign 25.165+/-0.005 χ^2/NDF: 2243292.0/23

All: 25.181+/-0.004 χ^2/NDF: 3522946.6/49

- sign 25.196+/-0.005 χ^2/NDF: 1279637.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/7

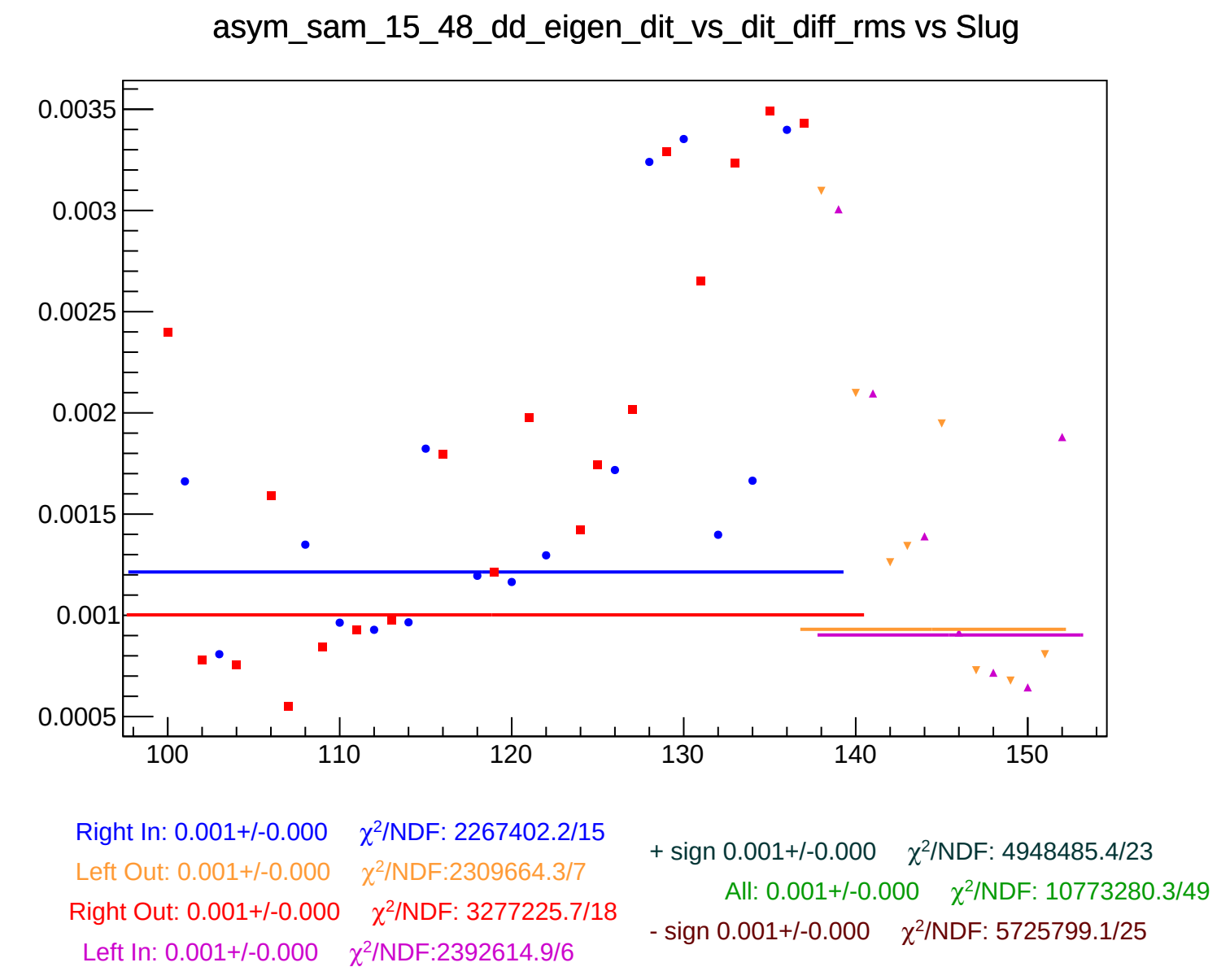
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

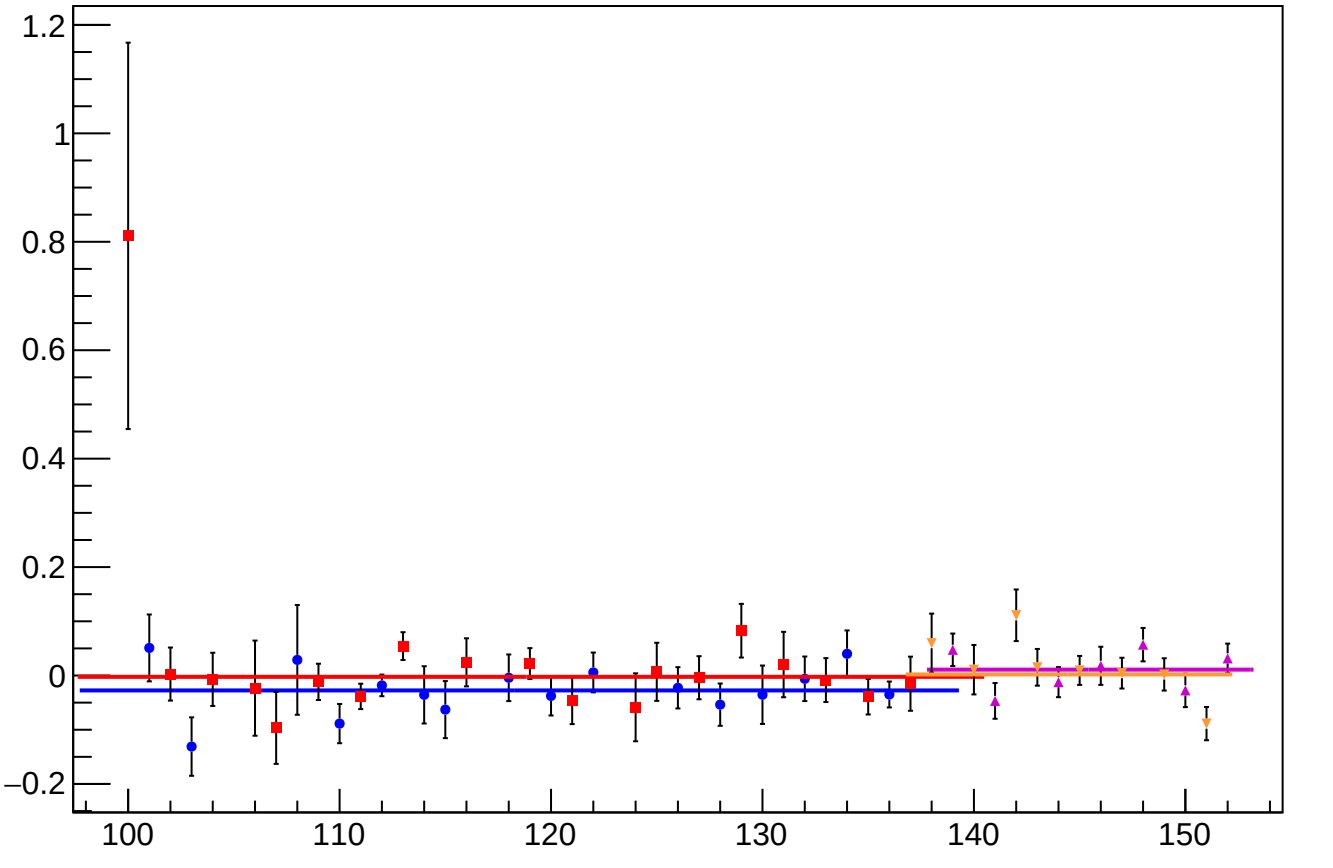
Left In: 0.000+/-0.000 χ^2/NDF:6.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 25.2/23

All: -0.000+/-0.000 χ^2/NDF: 50.8/49

- sign -0.000+/-0.000 χ^2/NDF: 24.7/25


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:2309664.3/7
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:2392614.9/6
+ sign 0.001+/-0.000 χ²/NDF: 4948485.4/23
All: 0.001+/-0.000 χ²/NDF: 10773280.3/49
- sign 0.001+/-0.000 χ²/NDF: 5725799.1/25



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.012 χ^2/NDF:15.4/7

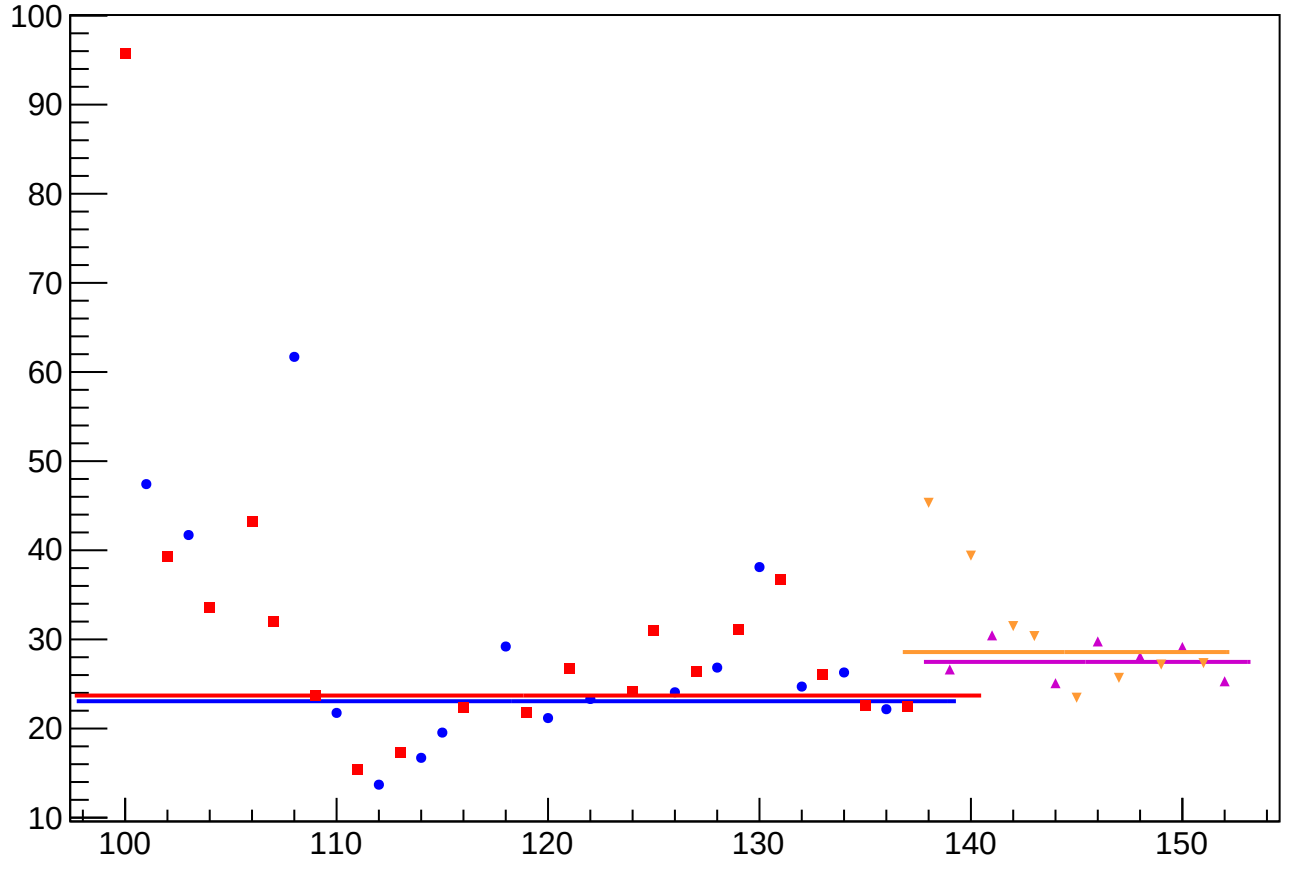
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.011+/-0.011 χ^2/NDF:9.6/6

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/23

All: -0.006+/-0.005 χ^2/NDF: 68.8/49

- sign 0.003+/-0.007 χ^2/NDF: 32.5/25



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.581+/-0.008 χ^2/NDF:416340.2/7

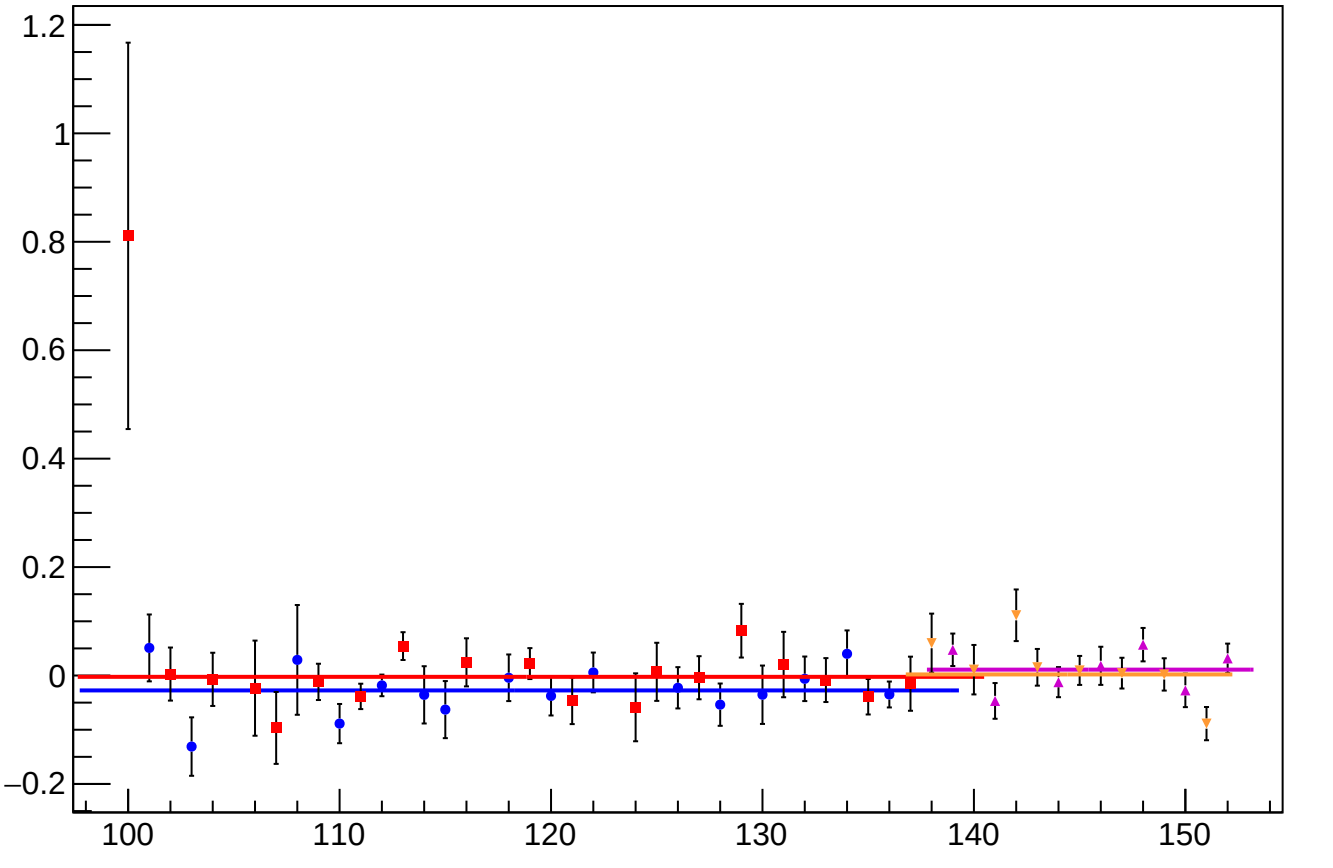
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.475+/-0.008 χ^2/NDF:60602.5/6

+ sign 25.165+/-0.005 χ^2/NDF: 2243312.9/23

All: 25.181+/-0.004 χ^2/NDF: 3523021.3/49

- sign 25.196+/-0.005 χ^2/NDF: 1279690.8/25



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.012 χ^2/NDF:15.4/7

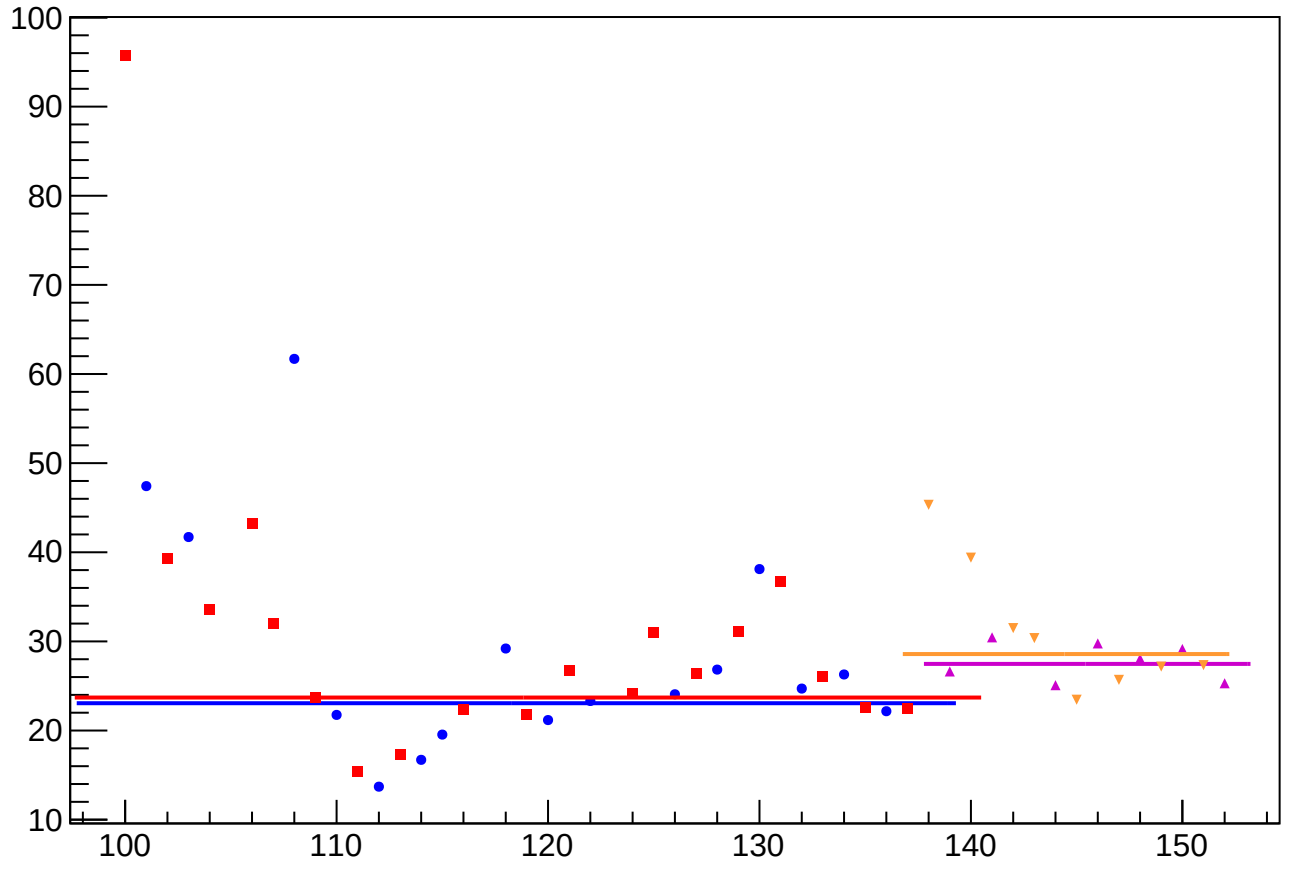
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.011+/-0.011 χ^2/NDF:9.6/6

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/23

All: -0.006+/-0.005 χ^2/NDF: 68.8/49

- sign 0.003+/-0.007 χ^2/NDF: 32.5/25



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.581+/-0.008 χ^2/NDF:416340.2/7

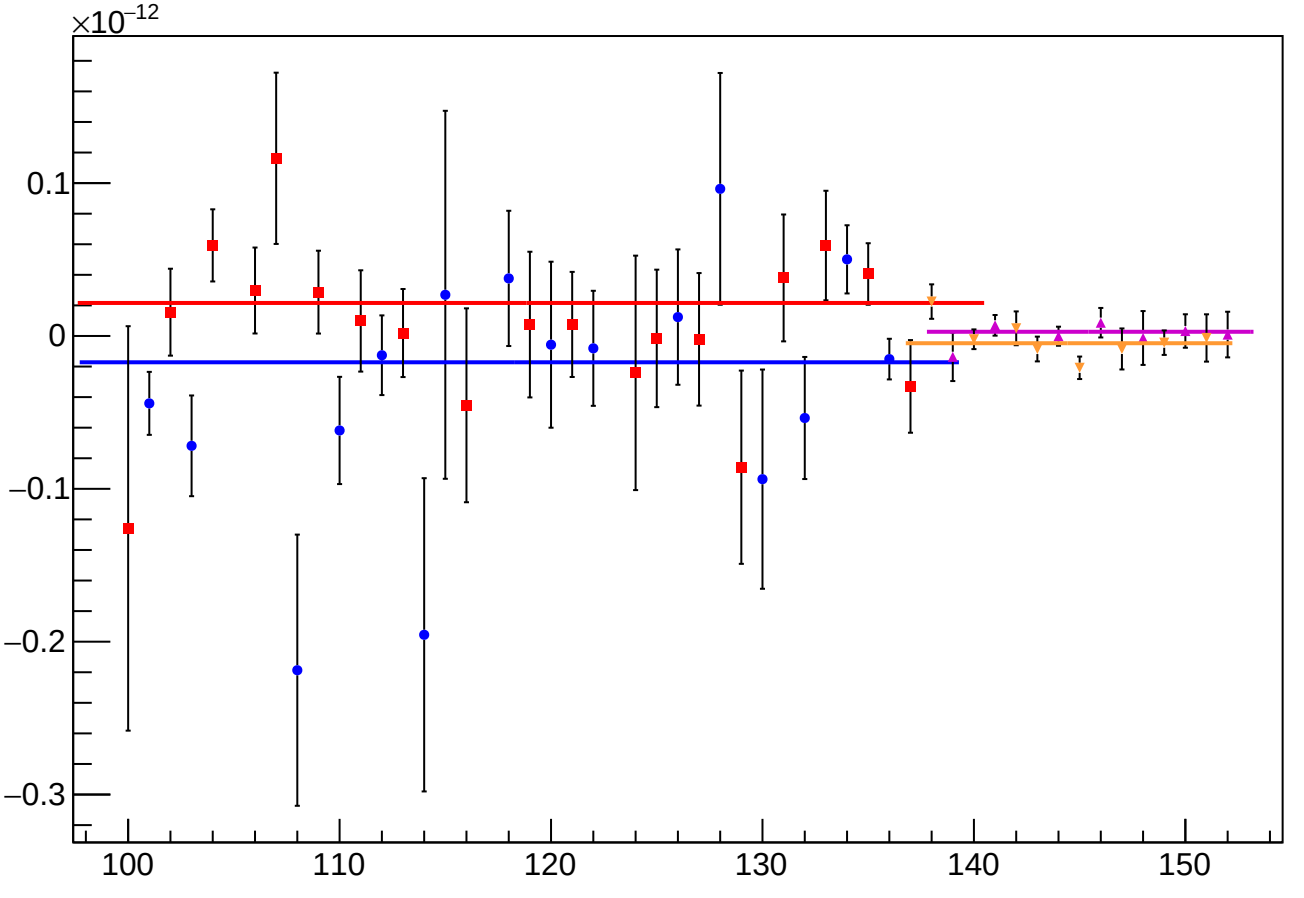
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.475+/-0.008 χ^2/NDF:60602.5/6

+ sign 25.165+/-0.005 χ^2/NDF: 2243312.9/23

All: 25.181+/-0.004 χ^2/NDF: 3523021.3/49

- sign 25.196+/-0.005 χ^2/NDF: 1279690.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/7

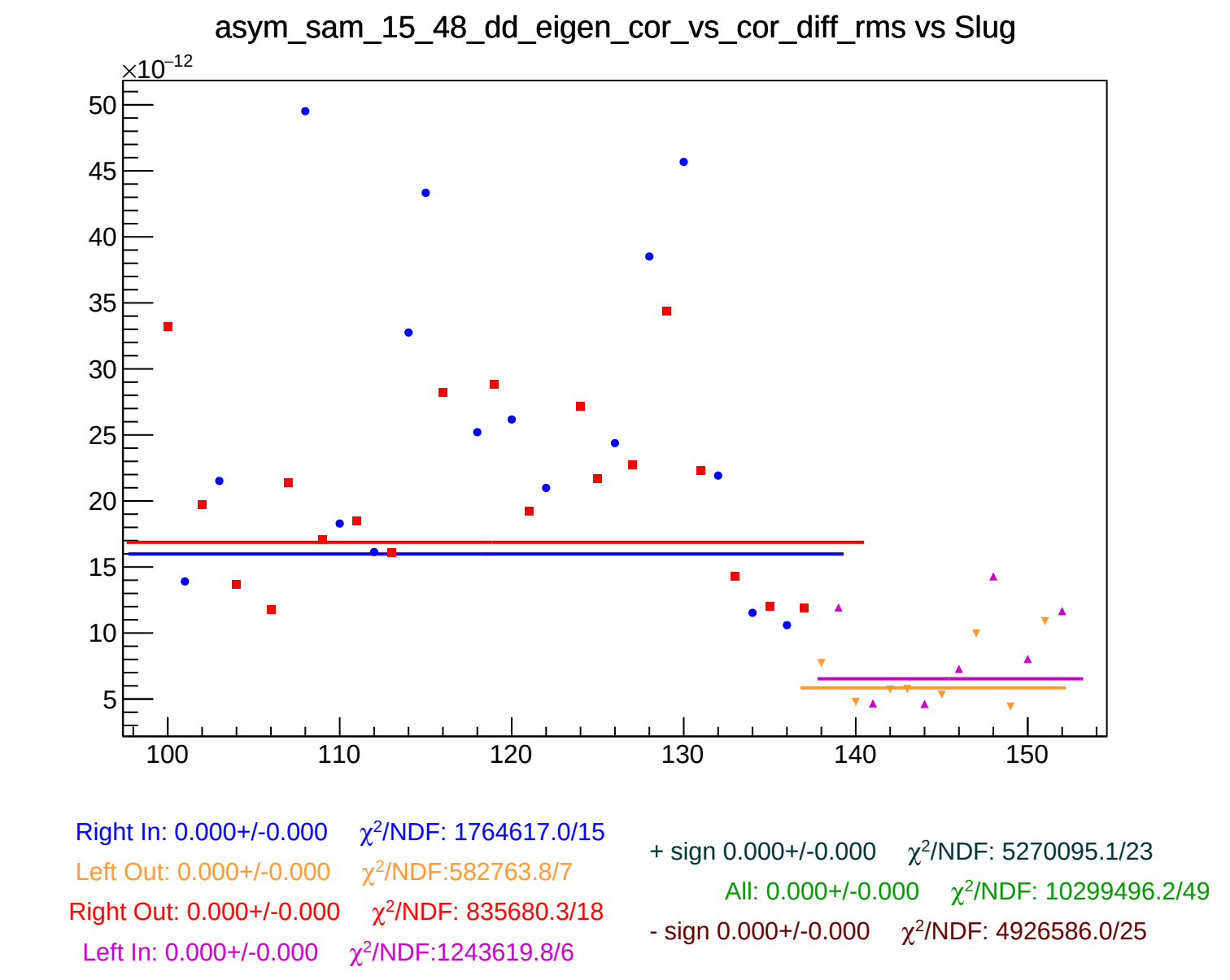
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 44.0/23

All: -0.000+/-0.000 χ^2/NDF: 76.9/49

- sign 0.000+/-0.000 χ^2/NDF: 24.9/25


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
45
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35
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25
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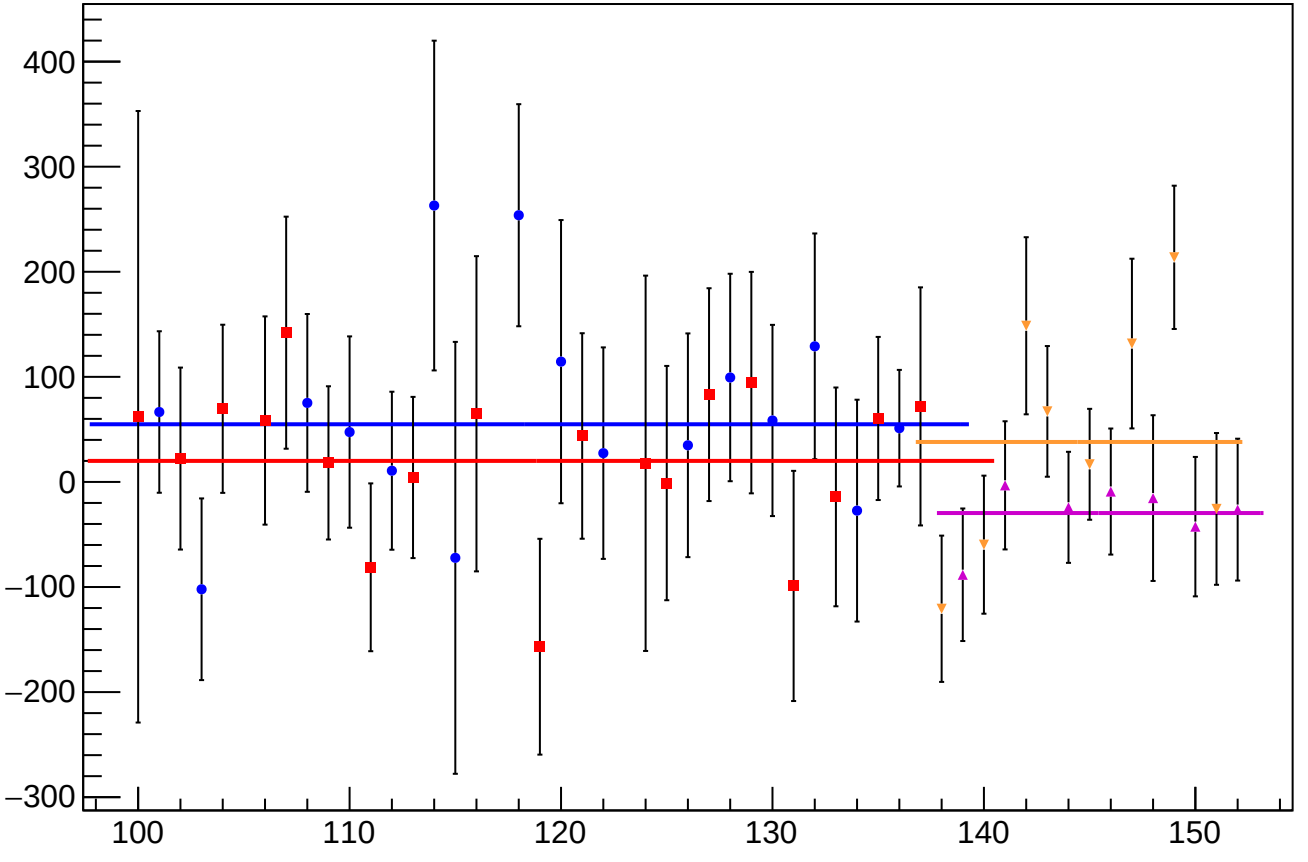
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:582763.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:1243619.8/6
+ sign 0.000+/-0.000 χ²/NDF: 5270095.1/23
All: 0.000+/-0.000 χ²/NDF: 10299496.2/49
- sign 0.000+/-0.000 χ²/NDF: 4926586.0/25

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 38.036+/-23.859 χ^2/NDF:18.3/7

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

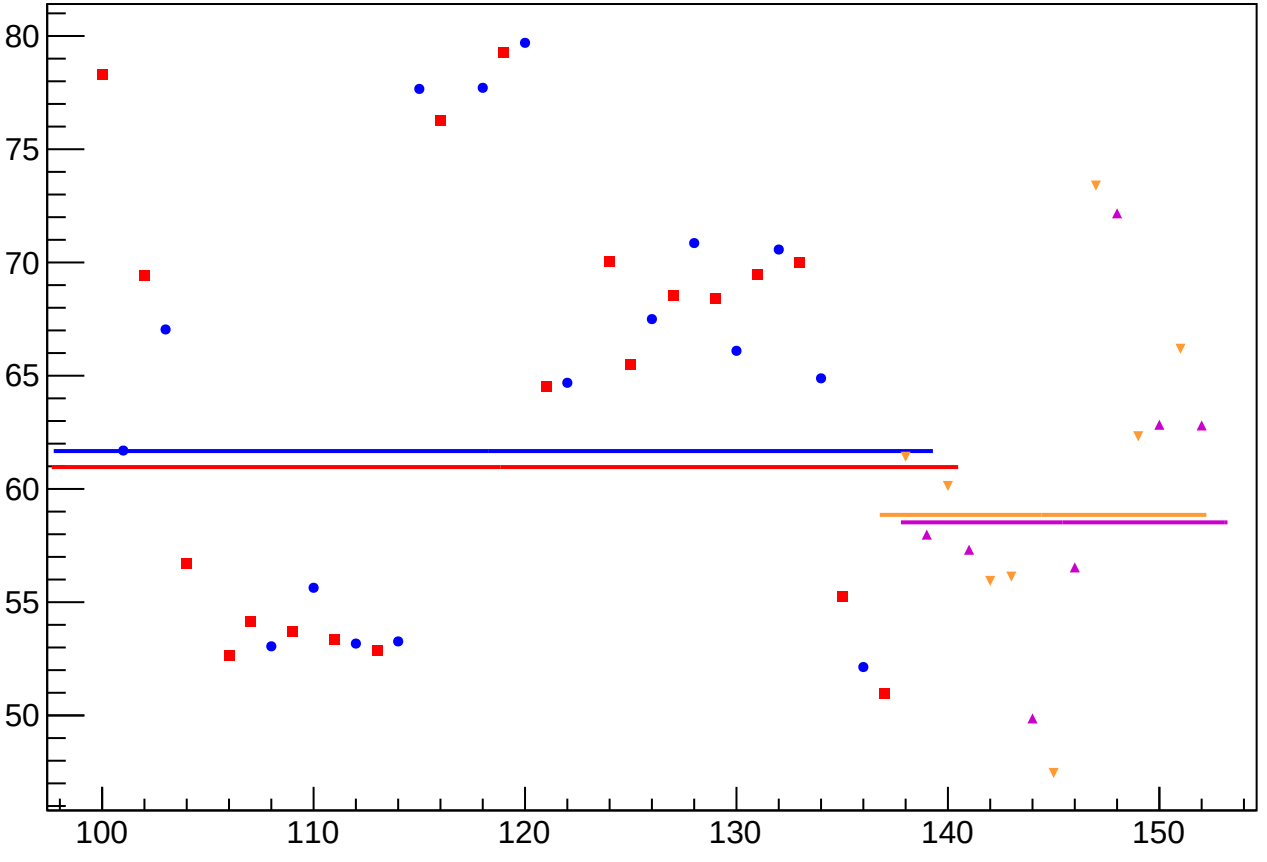
Left In: -29.596+/-23.811 χ^2/NDF:1.3/6

+ sign 46.703+/-16.625 χ^2/NDF: 29.6/23

All: 21.249+/-11.668 χ^2/NDF: 46.9/49

- sign -3.463+/-16.381 χ^2/NDF: 12.8/25

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 58.855+/-0.017 χ^2/NDF:193599.2/7

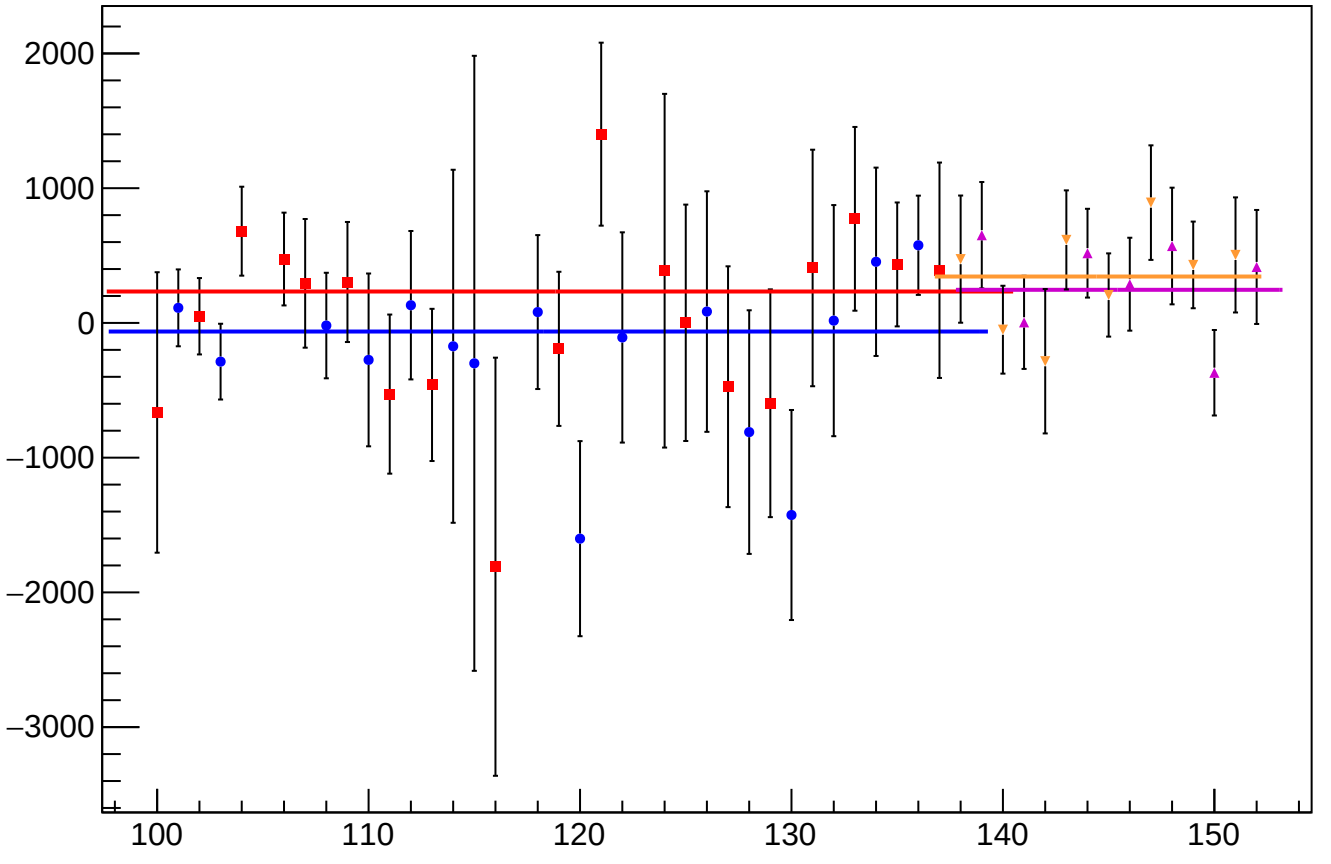
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 58.525+/-0.017 χ^2/NDF:133186.1/6

+ sign 60.305+/-0.012 χ^2/NDF: 475056.4/23

All: 60.054+/-0.008 χ^2/NDF: 904397.9/49

- sign 59.811+/-0.012 χ^2/NDF: 428445.8/25



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 344.385+/-133.715 χ^2/NDF:5.5/7

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

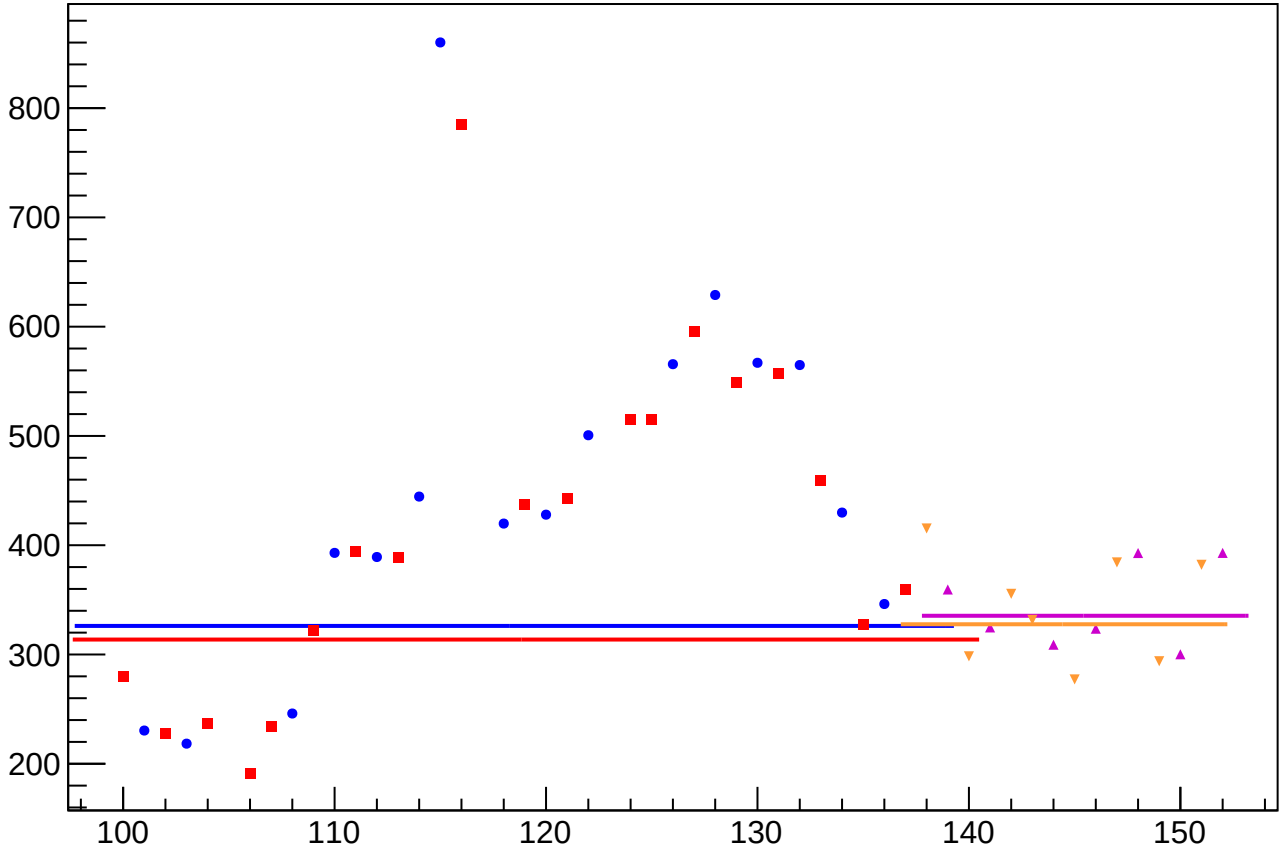
Left In: 245.803+/-137.024 χ^2/NDF:6.7/6

+ sign 134.014+/-93.089 χ^2/NDF: 23.5/23

All: 187.349+/-65.235 χ^2/NDF: 45.4/49

- sign 238.817+/-91.446 χ^2/NDF: 21.2/25

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 327.660+/-0.095 χ^2/NDF:234302.5/7

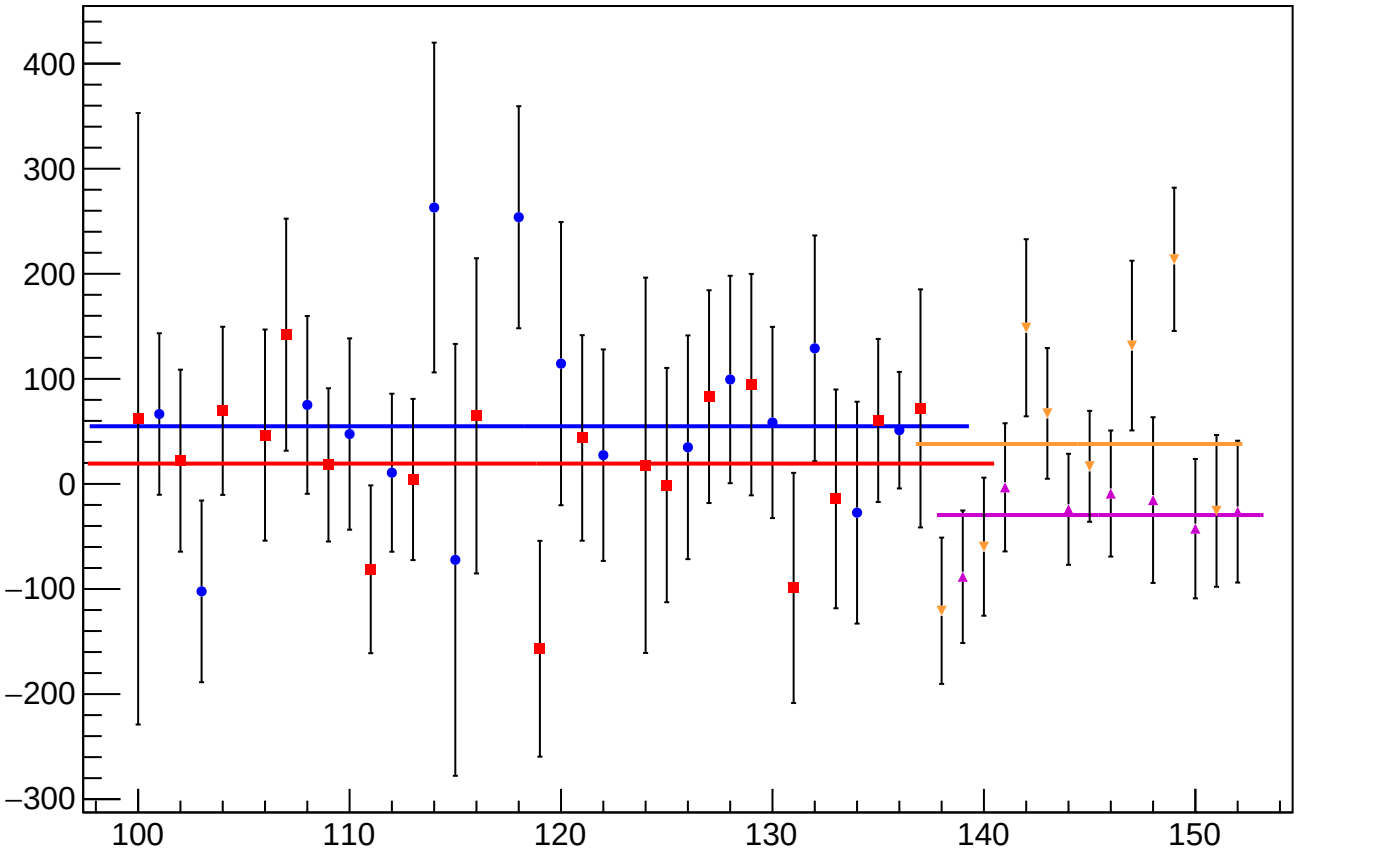
Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 335.437+/-0.097 χ^2/NDF:121438.3/6

+ sign 326.880+/-0.066 χ^2/NDF: 1968429.9/23

All: 325.092+/-0.046 χ^2/NDF: 3906652.0/49

- sign 323.366+/-0.065 χ^2/NDF: 1936771.1/25



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 38.032+/-23.859 χ^2/NDF:18.3/7

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

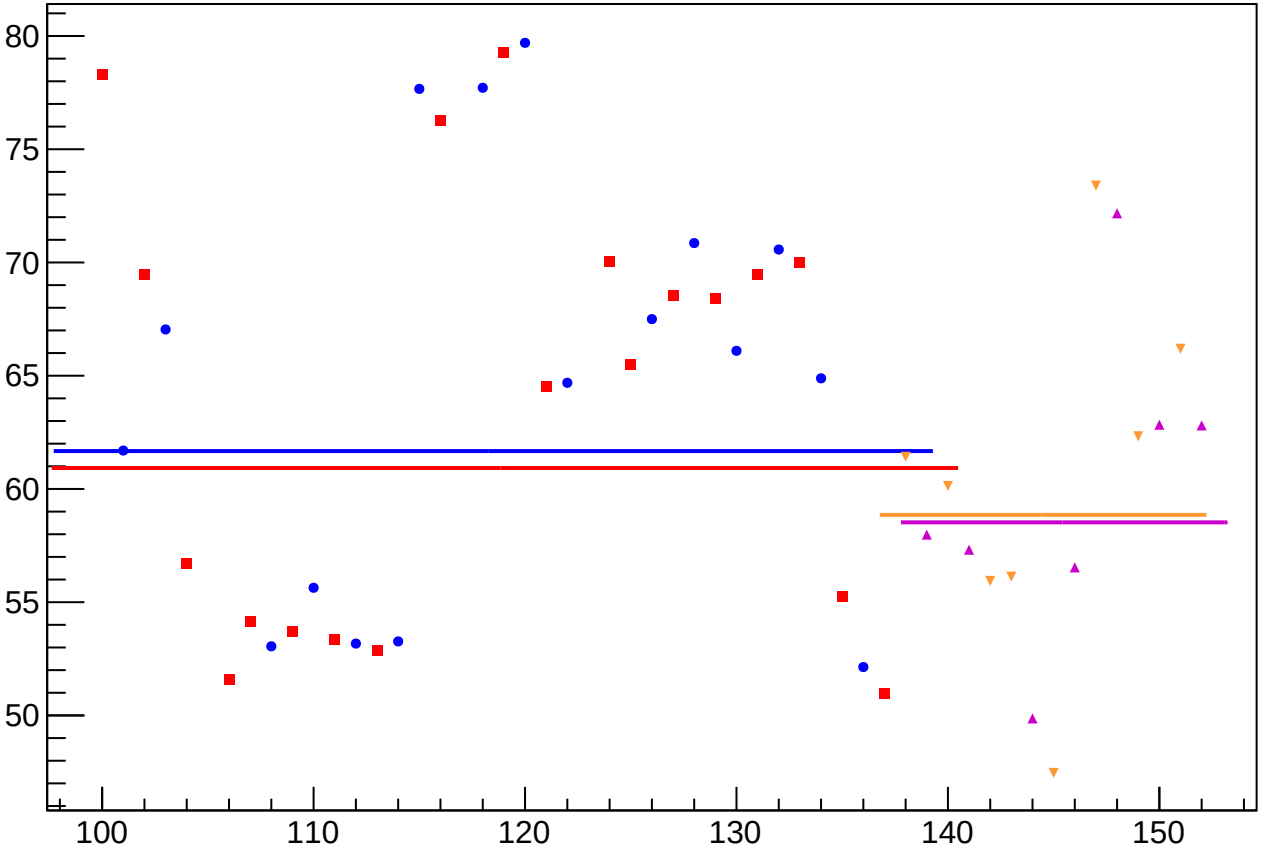
Left In: -29.594+/-23.811 χ^2/NDF:1.3/6

+ sign 46.698+/-16.625 χ^2/NDF: 29.6/23

All: 21.070+/-11.671 χ^2/NDF: 46.9/49

- sign -3.831+/-16.387 χ^2/NDF: 12.6/25

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 58.855+/-0.017 χ^2/NDF:193599.2/7

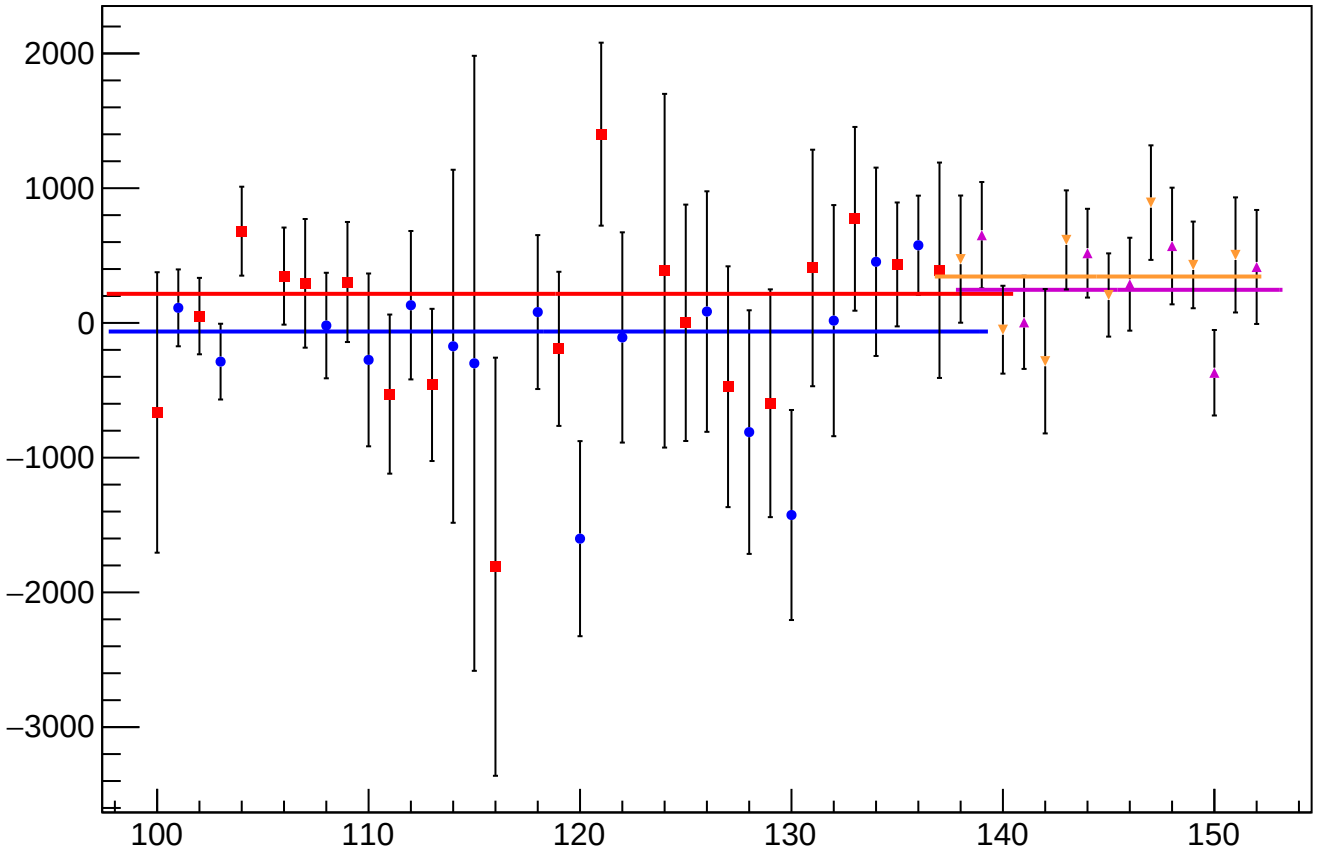
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 58.525+/-0.017 χ^2/NDF:133186.2/6

+ sign 60.305+/-0.012 χ^2/NDF: 475056.6/23

All: 60.043+/-0.008 χ^2/NDF: 907502.4/49

- sign 59.789+/-0.012 χ^2/NDF: 431467.5/25



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 344.384+/-133.715 χ^2/NDF:5.5/7

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

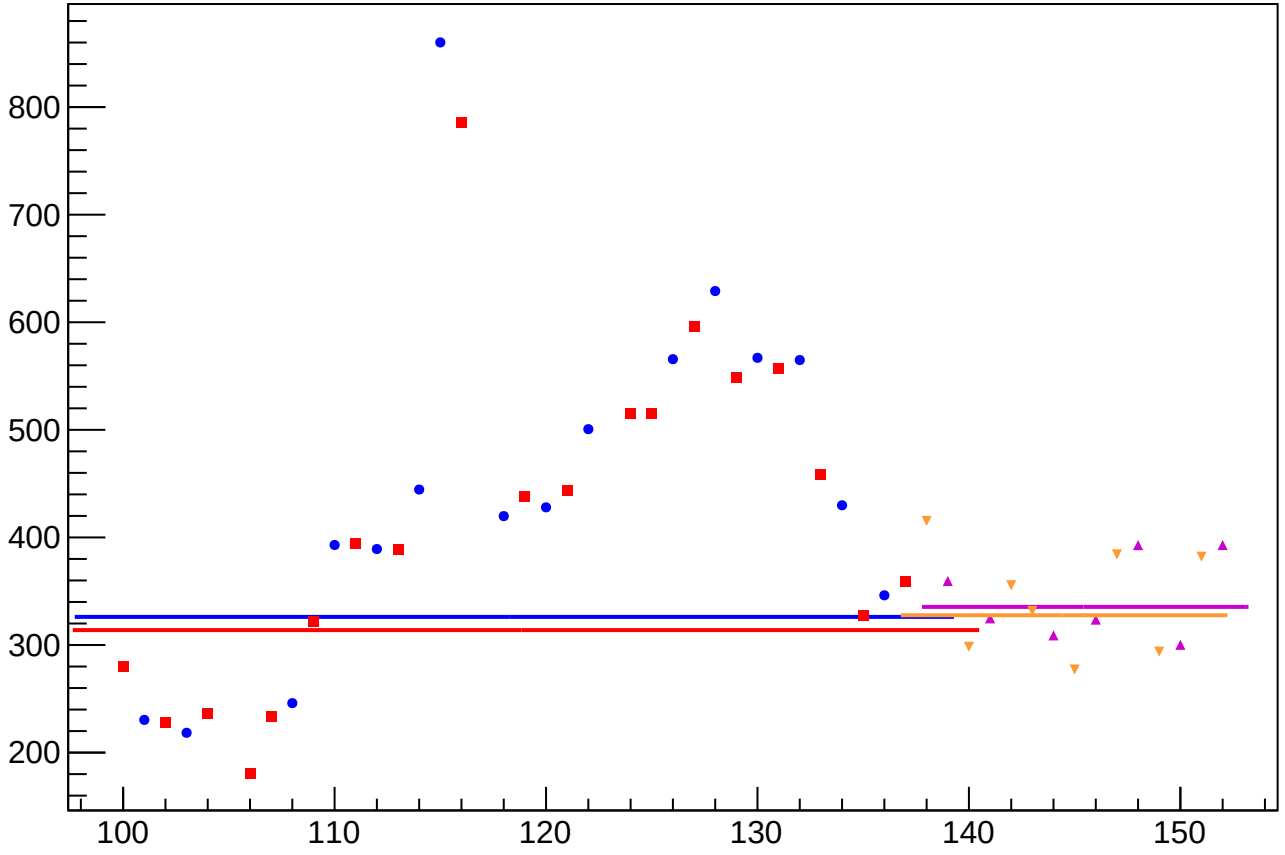
Left In: 245.803+/-137.024 χ^2/NDF:6.7/6

+ sign 134.022+/-93.090 χ^2/NDF: 23.5/23

All: 182.364+/-65.340 χ^2/NDF: 44.9/49

- sign 229.309+/-91.734 χ^2/NDF: 20.9/25

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 327.660+/-0.095 χ^2/NDF:234303.0/7

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

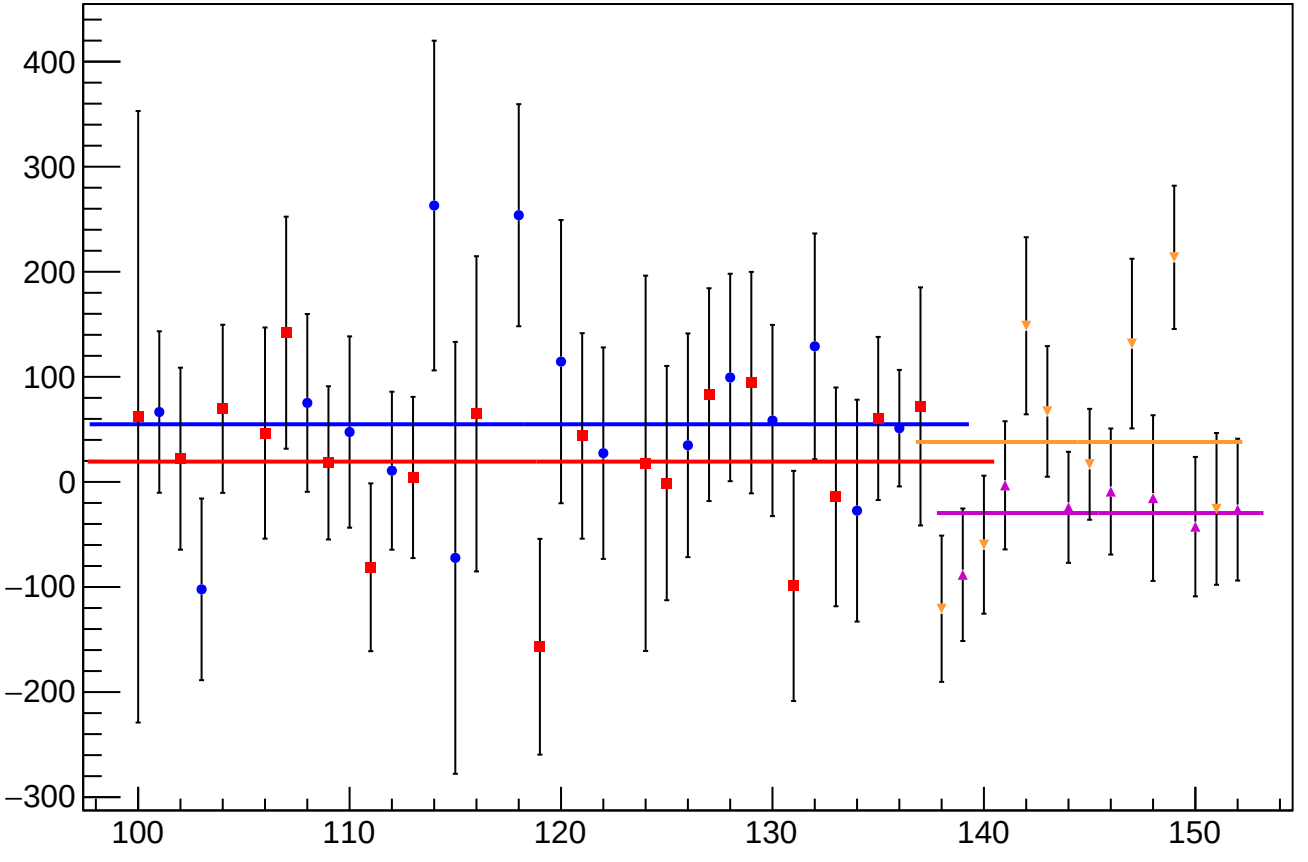
Left In: 335.437+/-0.097 χ^2/NDF:121437.2/6

+ sign 326.882+/-0.066 χ^2/NDF: 1968369.0/23

All: 325.182+/-0.046 χ^2/NDF: 3924263.6/49

- sign 323.531+/-0.065 χ^2/NDF: 1954579.9/25

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 38.032+/-23.859 χ^2/NDF:18.3/7

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

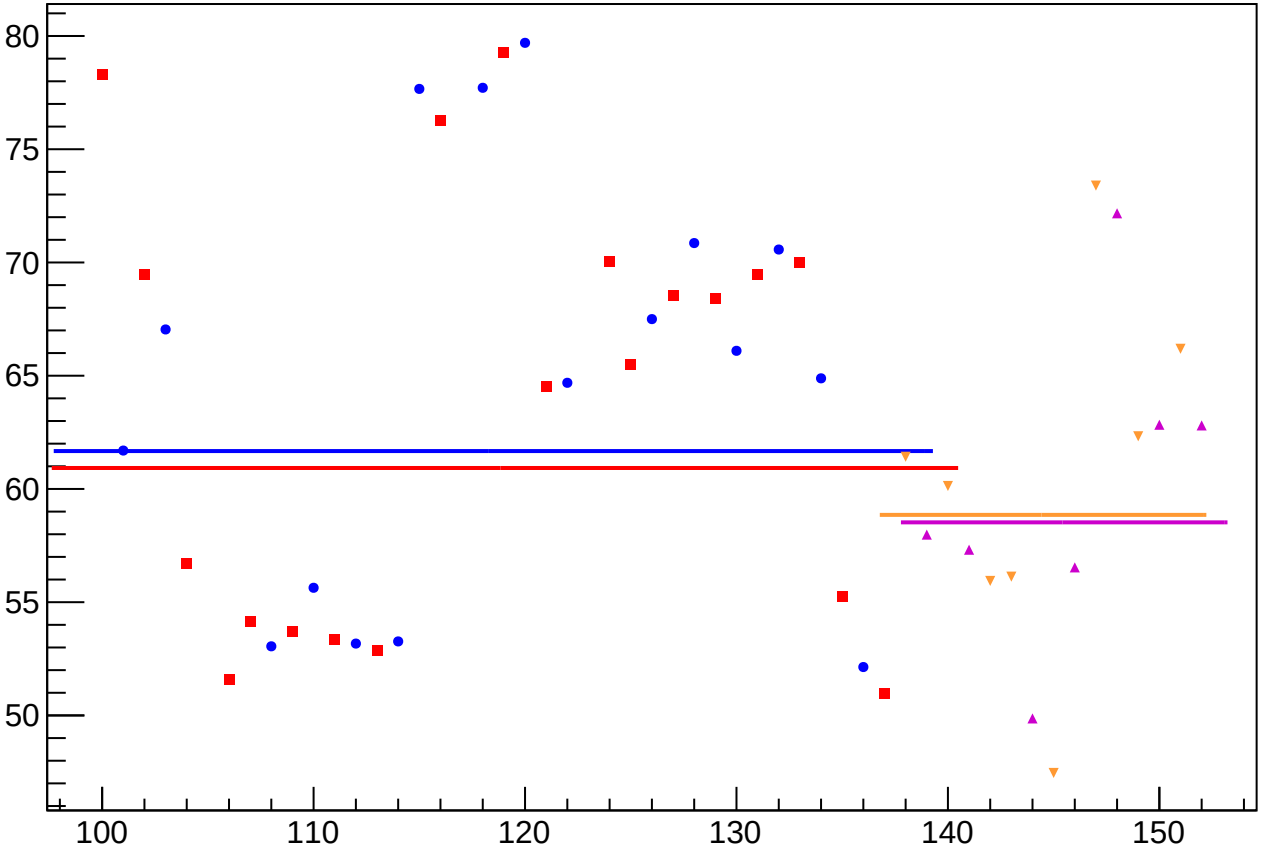
Left In: -29.594+/-23.811 χ^2/NDF:1.3/6

+ sign 46.698+/-16.625 χ^2/NDF: 29.6/23

All: 21.070+/-11.671 χ^2/NDF: 46.9/49

- sign -3.831+/-16.387 χ^2/NDF: 12.6/25

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 58.855+/-0.017 χ^2/NDF:193599.2/7

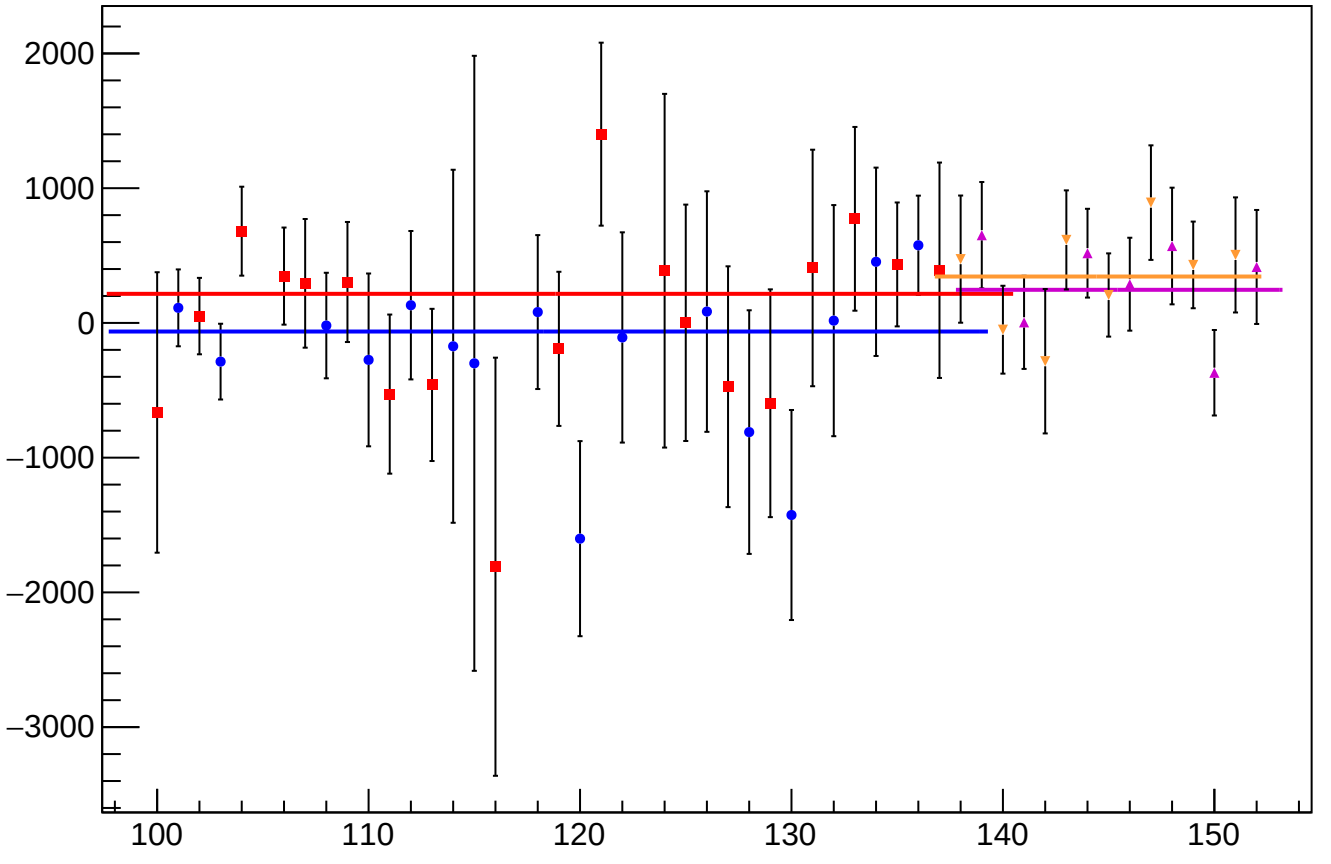
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 58.525+/-0.017 χ^2/NDF:133186.2/6

+ sign 60.305+/-0.012 χ^2/NDF: 475056.6/23

All: 60.043+/-0.008 χ^2/NDF: 907502.4/49

- sign 59.789+/-0.012 χ^2/NDF: 431467.5/25



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 344.384+/-133.715 χ^2/NDF:5.5/7

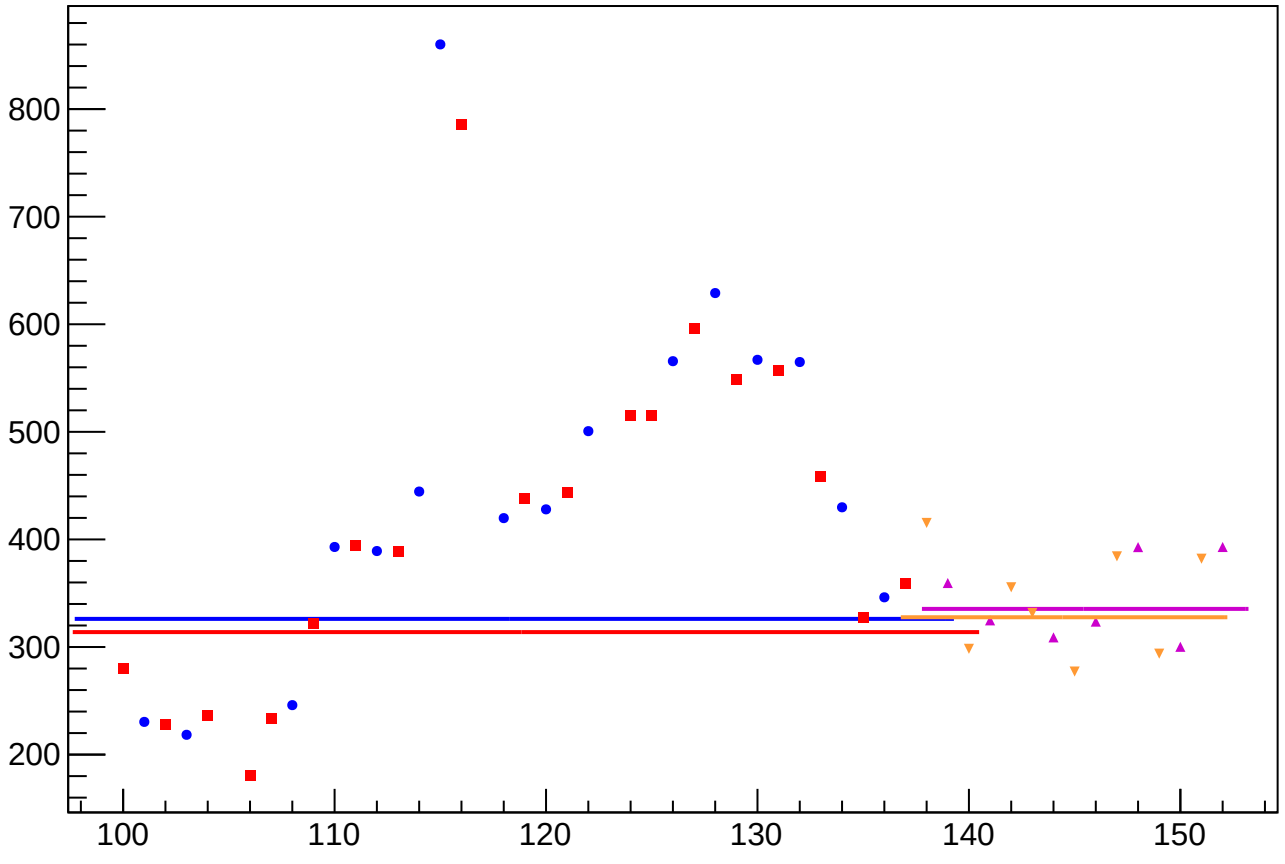
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 245.803+/-137.024 χ^2/NDF:6.7/6

+ sign 134.022+/-93.090 χ^2/NDF: 23.5/23

All: 182.364+/-65.340 χ^2/NDF: 44.9/49

- sign 229.309+/-91.734 χ^2/NDF: 20.9/25



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 327.660+/-0.095 χ^2/NDF:234303.0/7

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

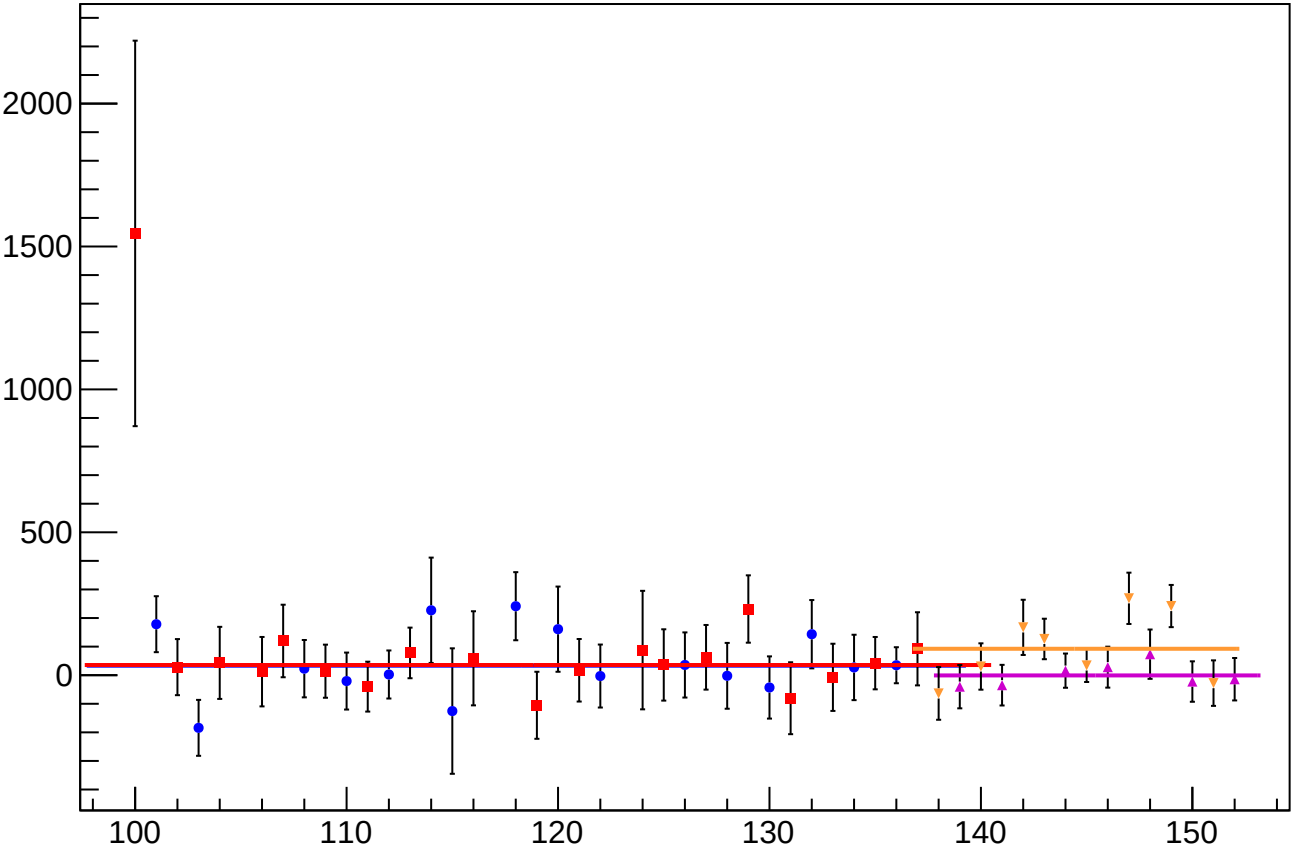
Left In: 335.437+/-0.097 χ^2/NDF:121437.2/6

+ sign 326.882+/-0.066 χ^2/NDF: 1968369.0/23

All: 325.182+/-0.046 χ^2/NDF: 3924263.6/49

- sign 323.531+/-0.065 χ^2/NDF: 1954579.9/25

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 92.459+/-27.320 χ^2/NDF:15.6/7

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

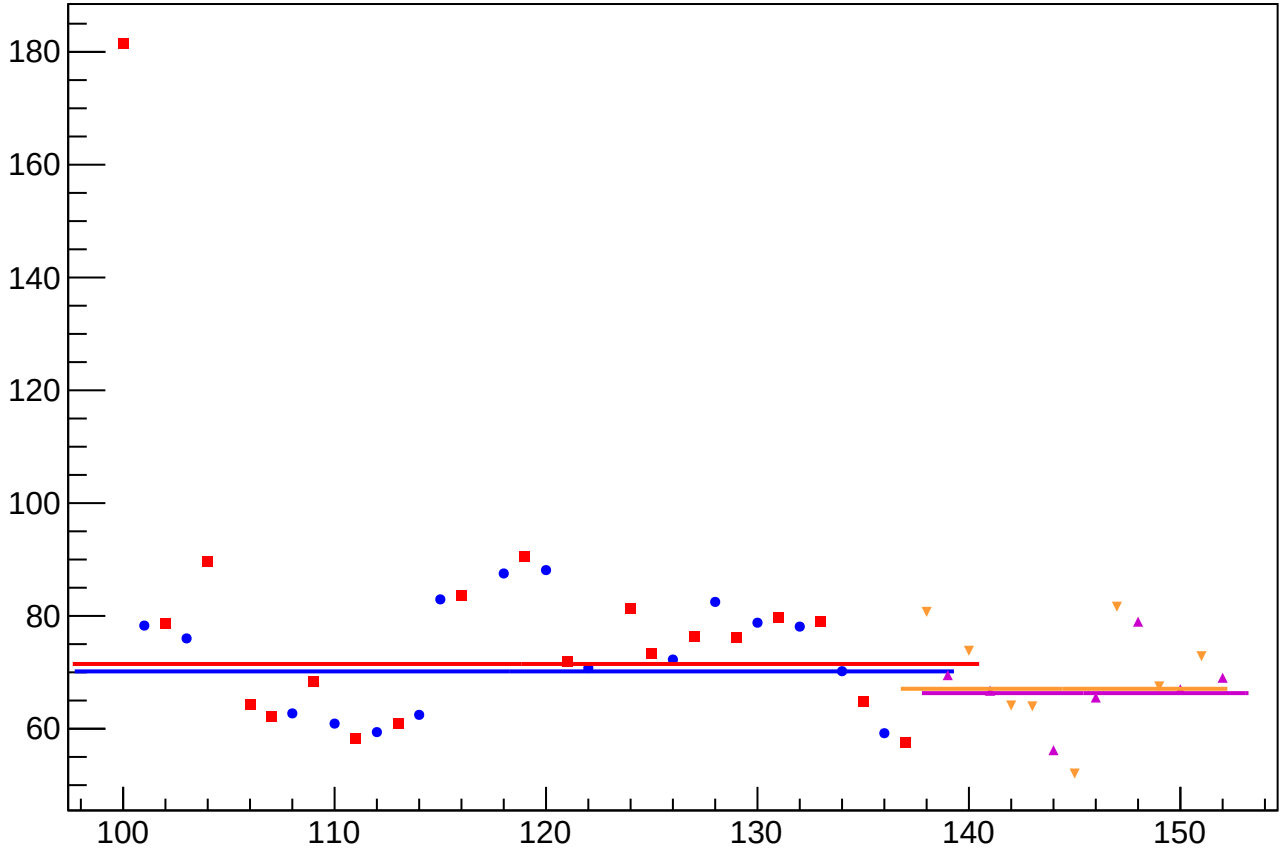
Left In: -0.789+/-27.107 χ^2/NDF:1.6/6

+ sign 61.934+/-18.990 χ^2/NDF: 32.5/23

All: 39.825+/-13.418 χ^2/NDF: 49.8/49

- sign 17.781+/-18.963 χ^2/NDF: 14.6/25

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 67.083+/-0.019 χ^2/NDF:261167.8/7

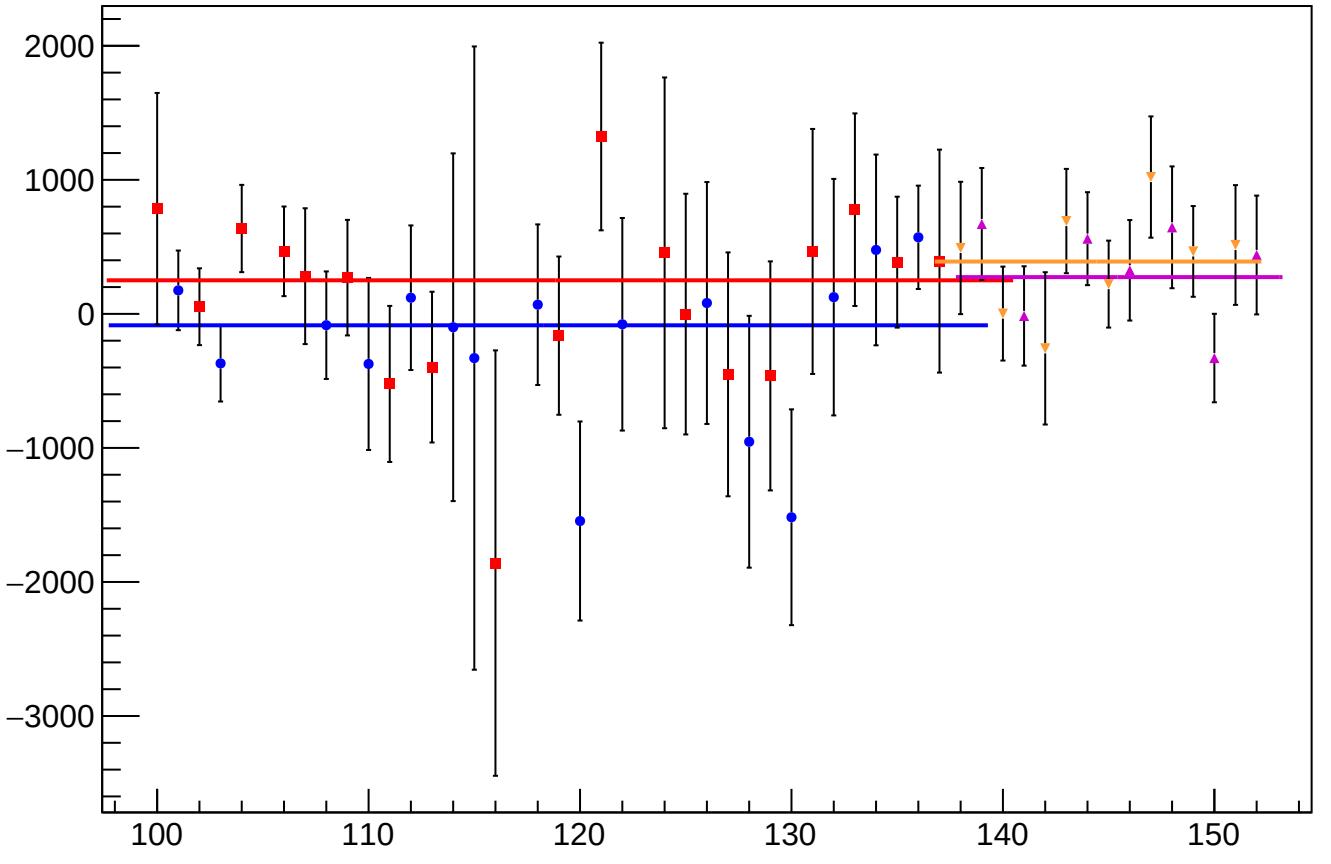
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 66.314+/-0.019 χ^2/NDF:106897.4/6

+ sign 68.677+/-0.013 χ^2/NDF: 543595.9/23

All: 68.816+/-0.009 χ^2/NDF: 1013552.4/49

- sign 68.954+/-0.013 χ^2/NDF: 469743.6/25



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 390.485+/-141.318 χ^2/NDF:5.5/7

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

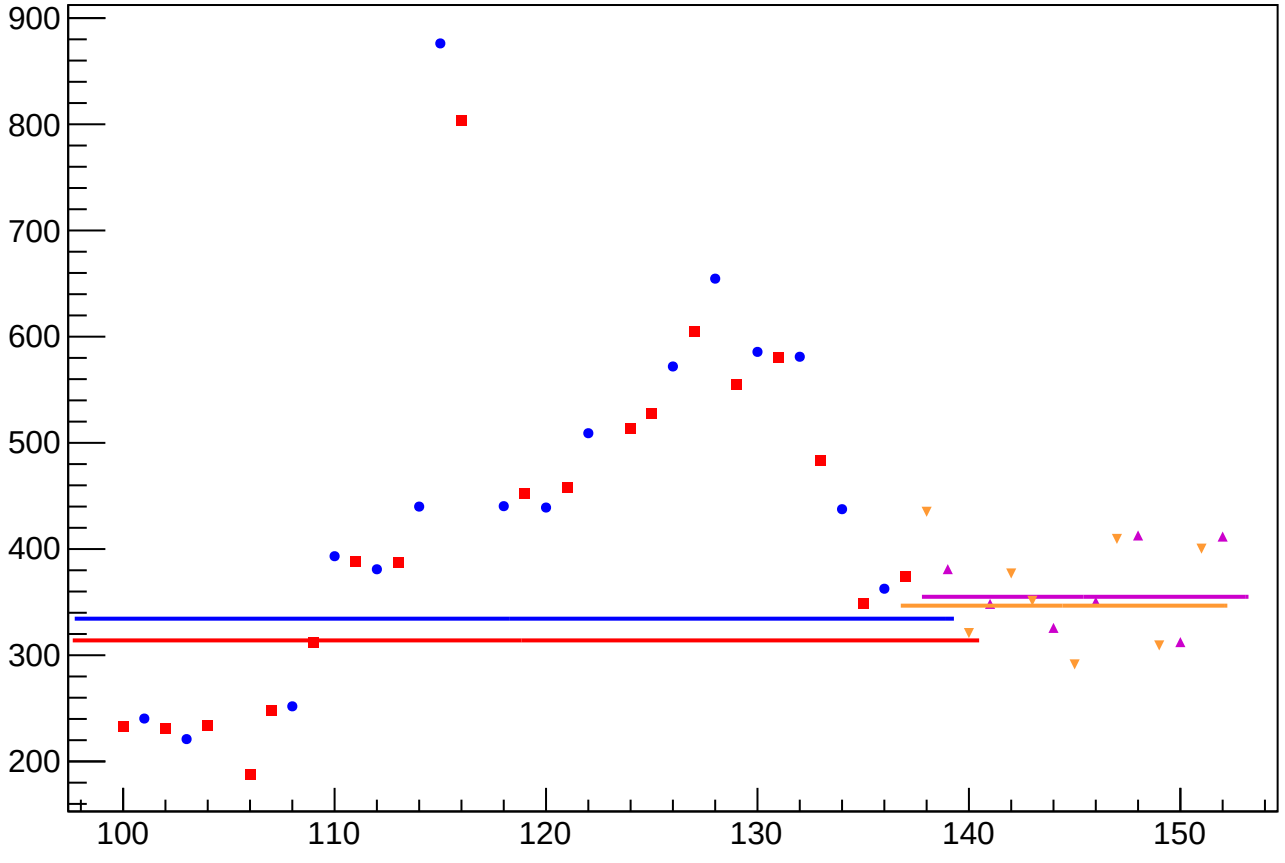
Left In: 274.388+/-145.026 χ^2/NDF:6.4/6

+ sign 138.020+/-96.805 χ^2/NDF: 25.2/23

All: 201.094+/-67.415 χ^2/NDF: 44.9/49

- sign 260.487+/-93.939 χ^2/NDF: 18.9/25

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 346.692+/-0.100 χ^2/NDF:231069.9/7

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

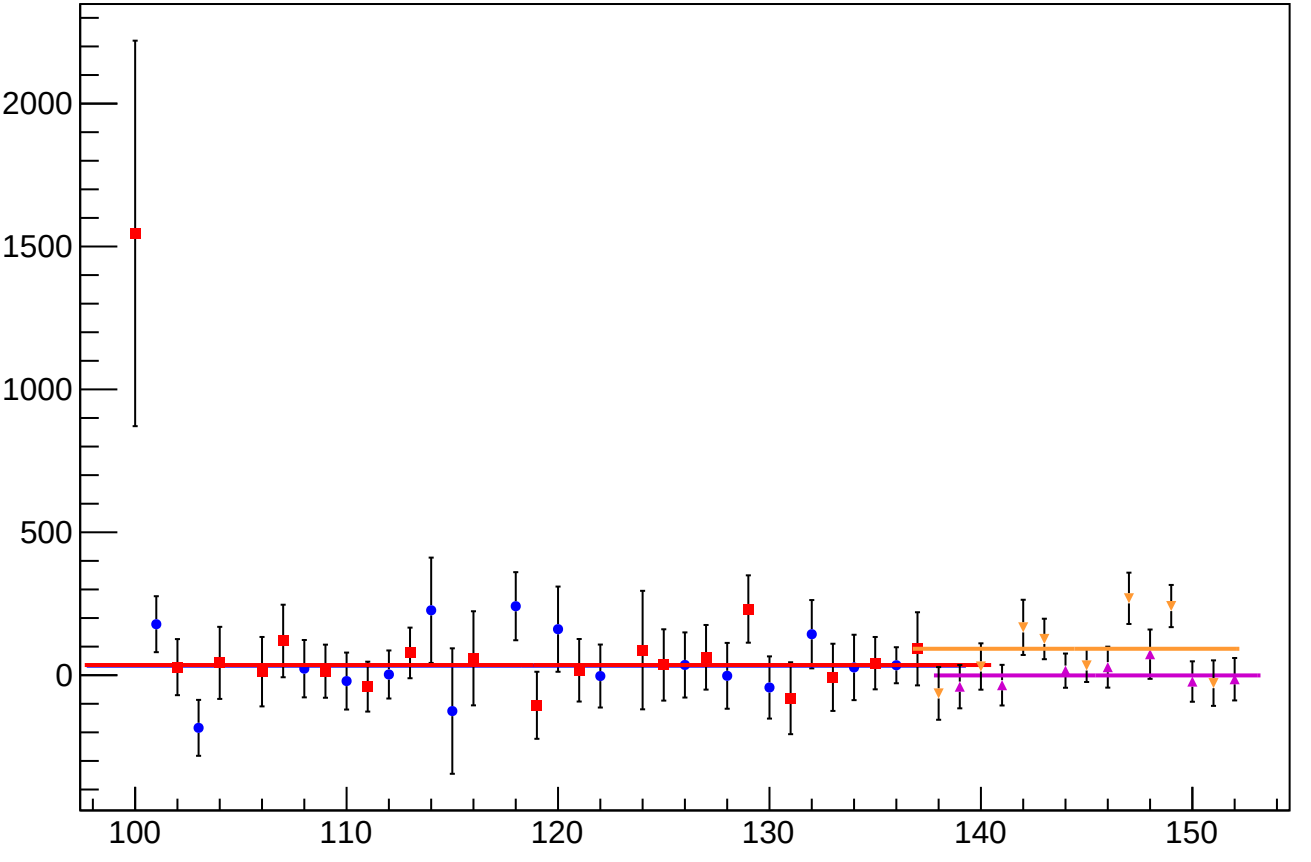
Left In: 355.048+/-0.103 χ^2/NDF:121469.1/6

+ sign 340.184+/-0.068 χ^2/NDF: 1969671.3/23

All: 335.560+/-0.048 χ^2/NDF: 4097736.8/49

- sign 331.205+/-0.066 χ^2/NDF: 2119203.8/25

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 92.458+/-27.320 χ^2/NDF:15.6/7

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

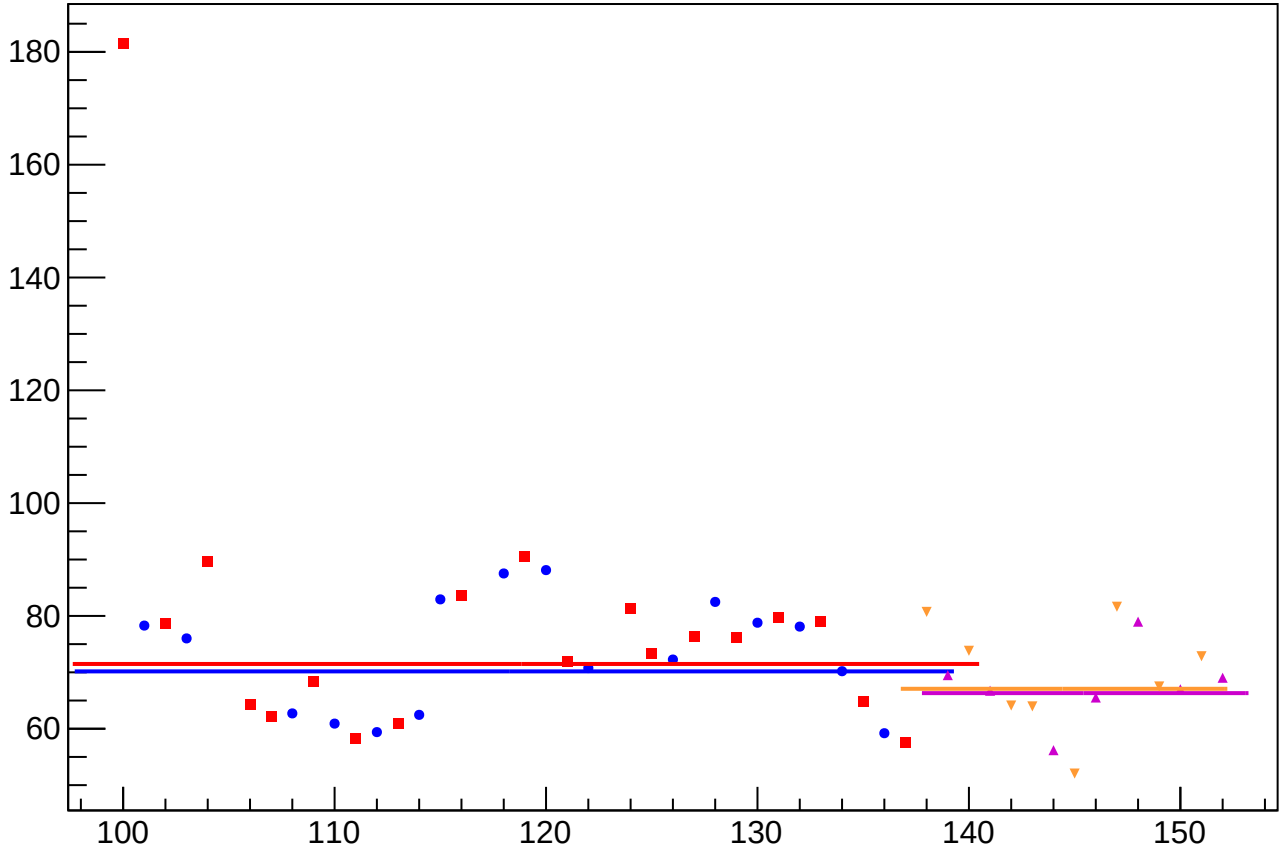
Left In: -0.789+/-27.107 χ^2/NDF:1.6/6

+ sign 61.933+/-18.990 χ^2/NDF: 32.5/23

All: 39.825+/-13.418 χ^2/NDF: 49.8/49

- sign 17.781+/-18.963 χ^2/NDF: 14.6/25

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 67.082+/-0.019 χ^2/NDF:261171.3/7

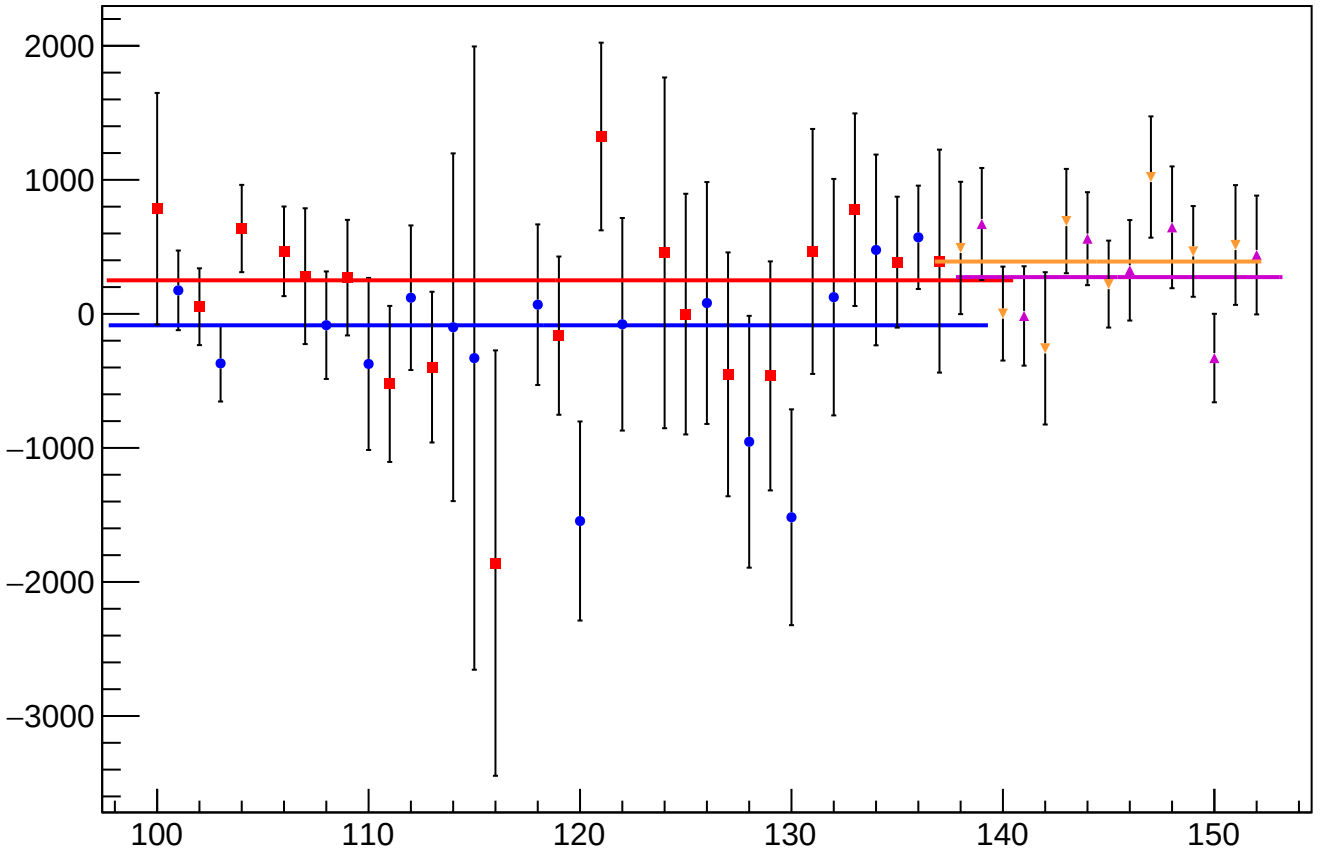
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 66.314+/-0.019 χ^2/NDF:106897.4/6

+ sign 68.677+/-0.013 χ^2/NDF: 543604.1/23

All: 68.816+/-0.009 χ^2/NDF: 1013568.9/49

- sign 68.954+/-0.013 χ^2/NDF: 469751.8/25



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 390.484+/-141.318 χ^2/NDF:5.5/7

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

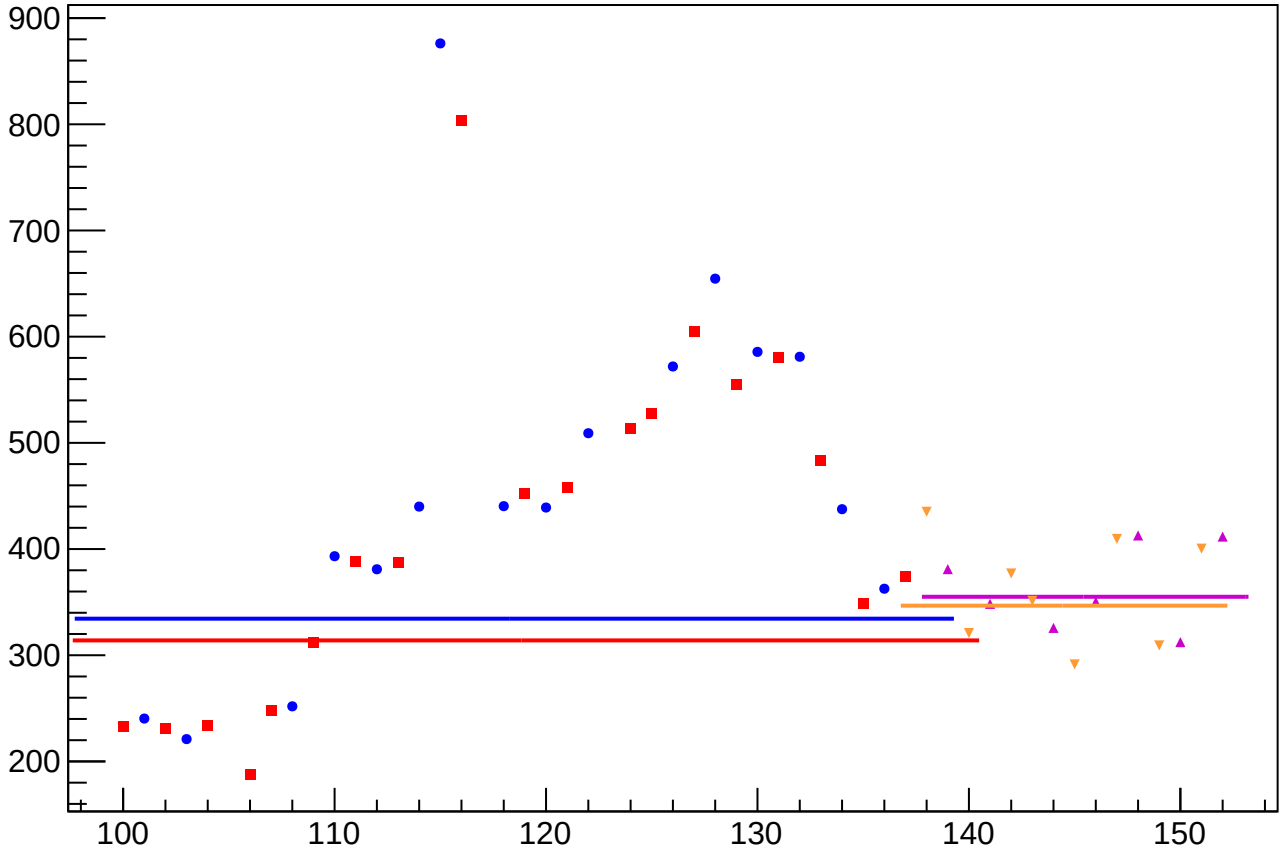
Left In: 274.388+/-145.026 χ^2/NDF:6.4/6

+ sign 138.020+/-96.805 χ^2/NDF: 25.2/23

All: 201.093+/-67.415 χ^2/NDF: 44.9/49

- sign 260.488+/-93.939 χ^2/NDF: 18.9/25

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: 346.692+/-0.100 χ^2/NDF:231071.6/7

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

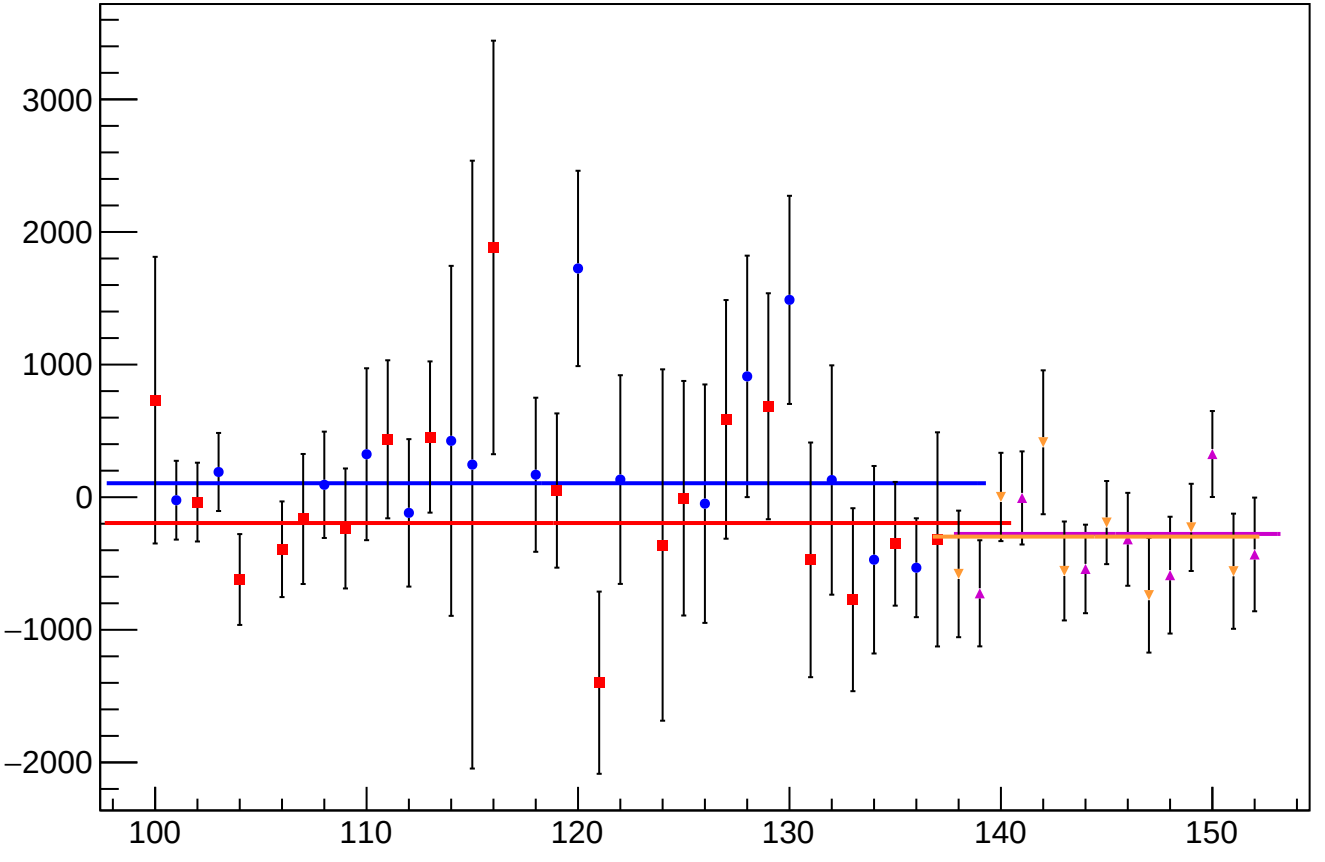
Left In: 355.048+/-0.103 χ^2/NDF:121468.4/6

+ sign 340.184+/-0.068 χ^2/NDF: 1969671.5/23

All: 335.560+/-0.048 χ^2/NDF: 4097734.7/49

- sign 331.205+/-0.066 χ^2/NDF: 2119201.5/25

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -297.245+/-135.999 χ^2/NDF:4.9/7

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

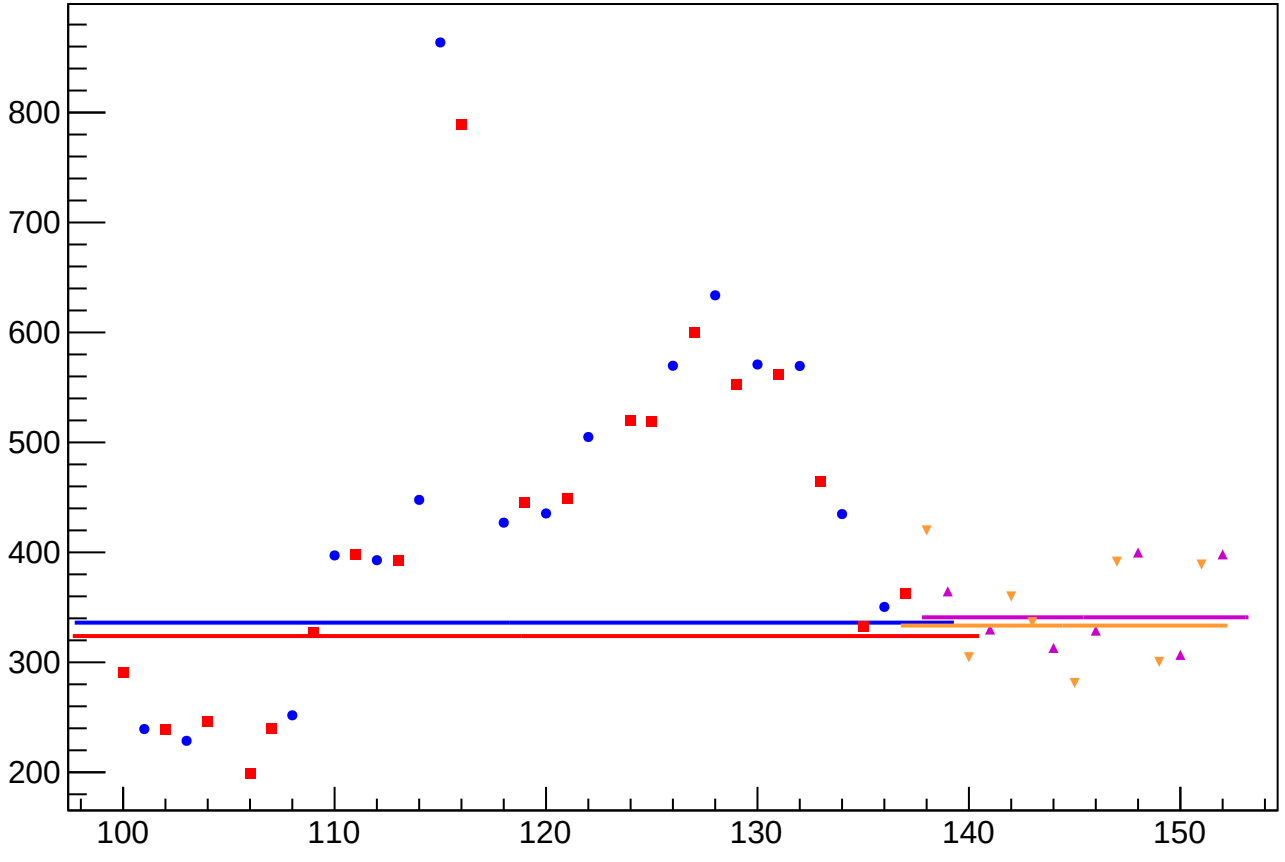
Left In: -277.069+/-139.220 χ^2/NDF:6.6/6

+ sign -91.508+/-95.105 χ^2/NDF: 22.4/23

All: -162.877+/-66.675 χ^2/NDF: 43.4/49

- sign -231.860+/-93.501 χ^2/NDF: 19.9/25

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 333.418+/-0.096 χ^2/NDF:229980.6/7

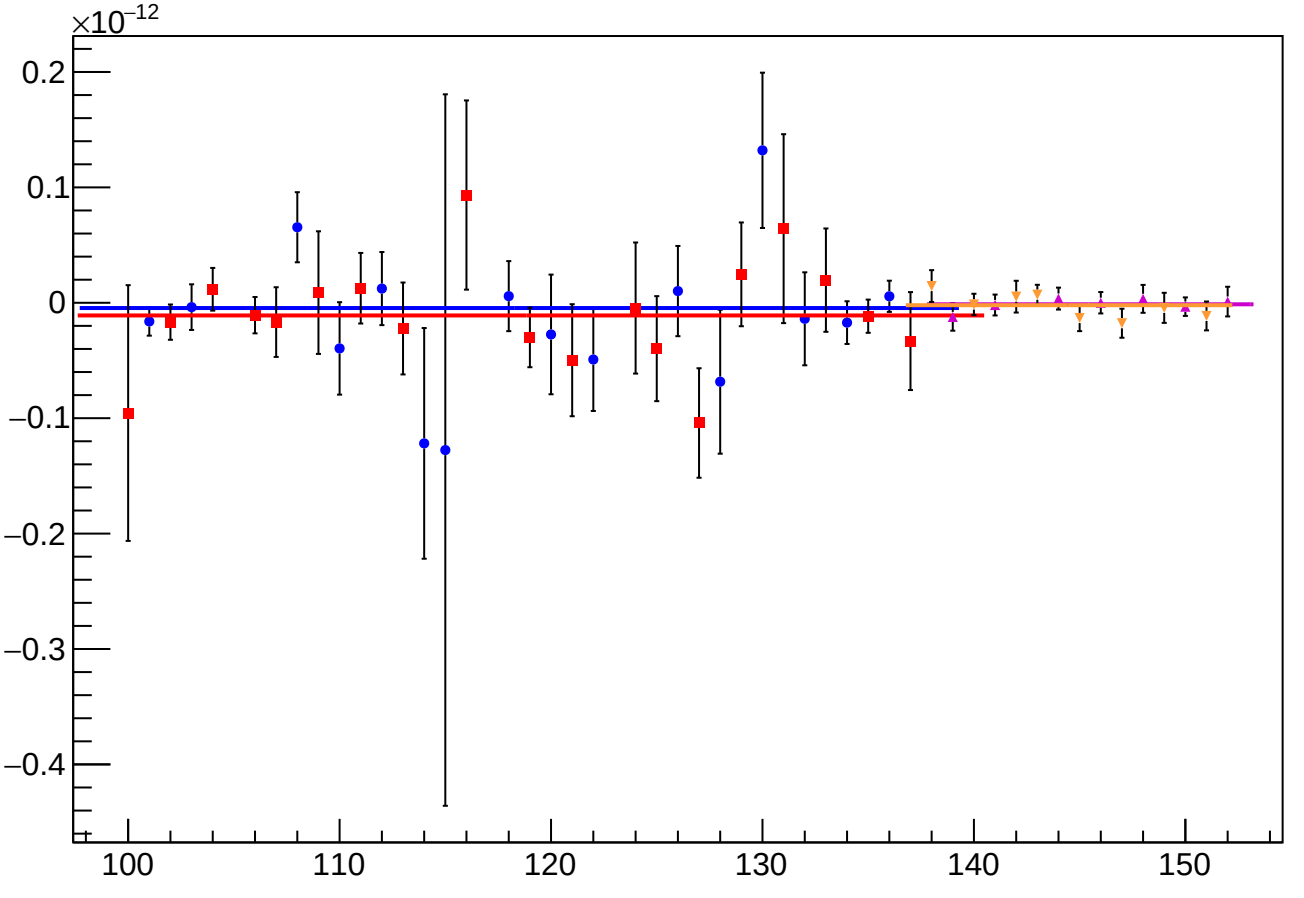
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 340.933+/-0.098 χ^2/NDF:118912.5/6

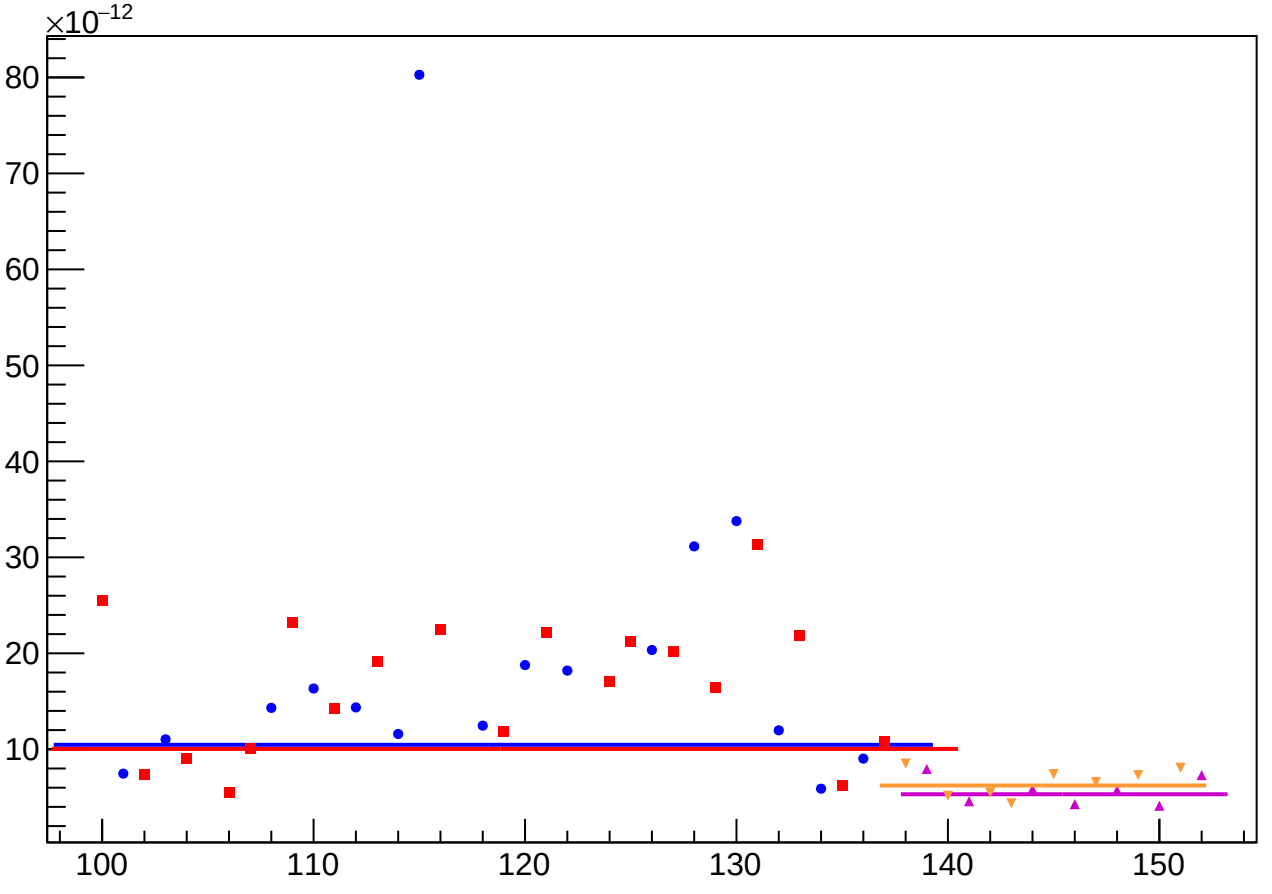
+ sign 334.784+/-0.067 χ^2/NDF: 1849373.0/23

All: 333.152+/-0.047 χ^2/NDF: 3651326.4/49

- sign 331.575+/-0.066 χ^2/NDF: 1800795.4/25


asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.5/15
Left Out: -0.000+/-0.000 χ²/NDF:6.0/7
Right Out: -0.000+/-0.000 χ²/NDF: 12.4/18
Left In: -0.000+/-0.000 χ²/NDF:1.4/6
+ sign -0.000+/-0.000 χ²/NDF: 22.6/23
All: -0.000+/-0.000 χ²/NDF: 38.1/49
- sign -0.000+/-0.000 χ²/NDF: 15.5/25

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:261459.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

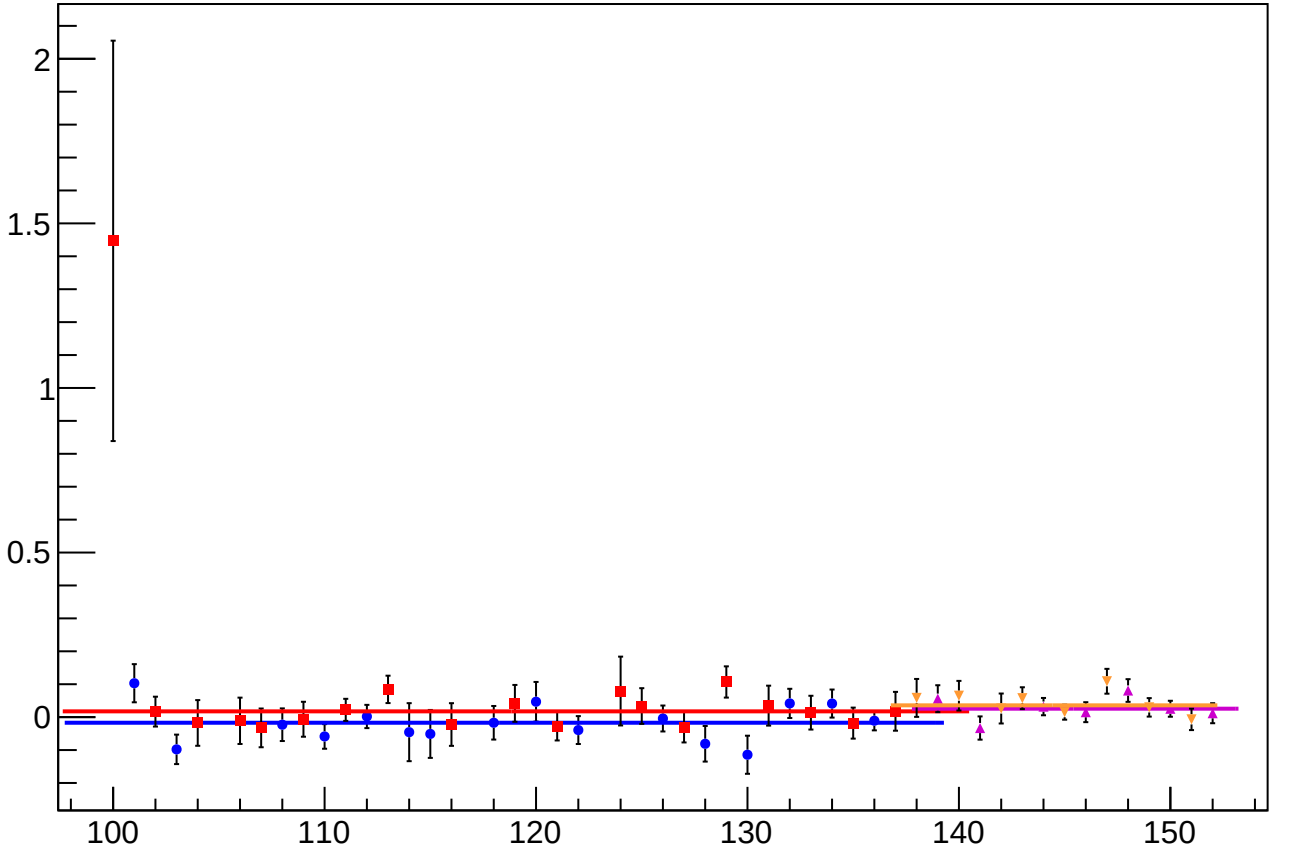
Left In: 0.000+/-0.000 χ^2/NDF:237814.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 2068375.1/23

All: 0.000+/-0.000 χ^2/NDF: 4597679.8/49

- sign 0.000+/-0.000 χ^2/NDF: 2458906.7/25

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: 0.036+/-0.012 χ^2/NDF:7.4/7

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

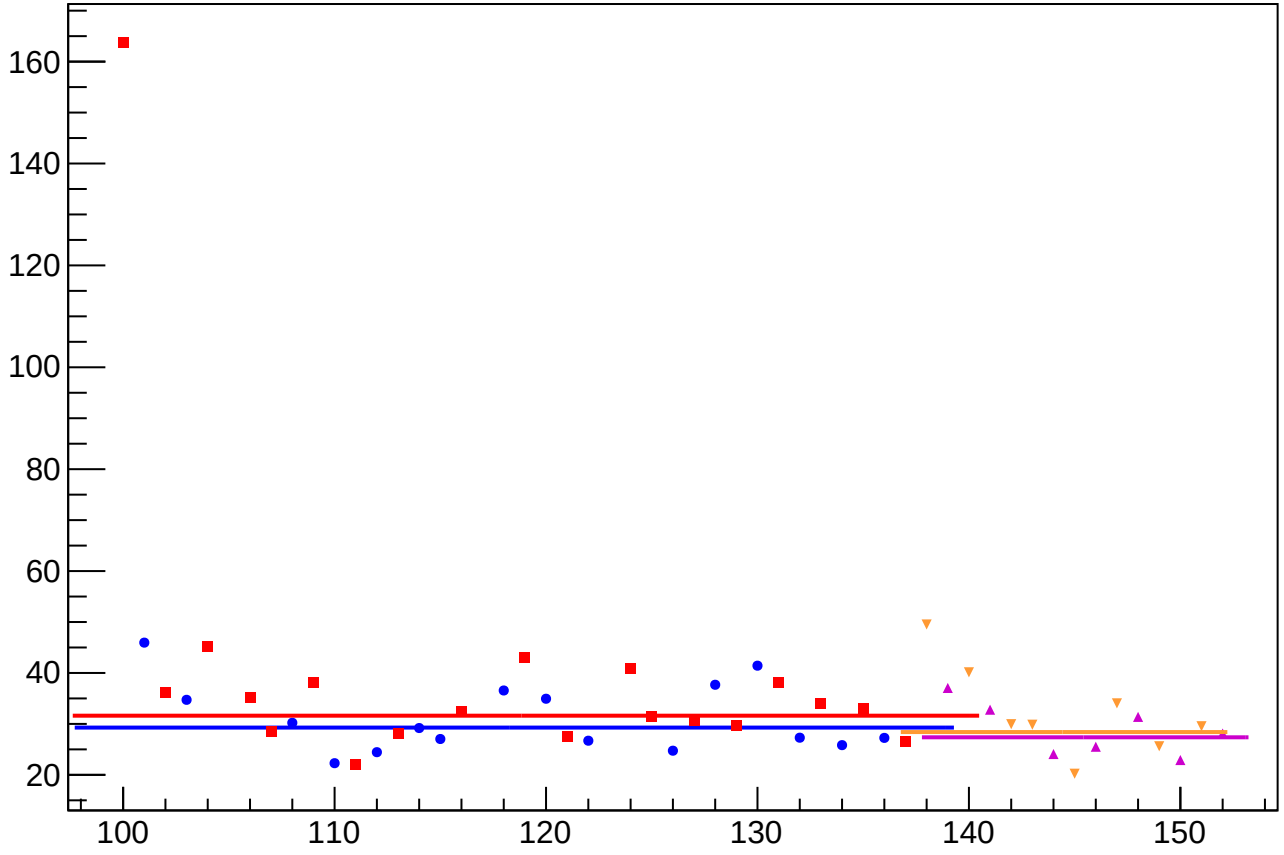
Left In: 0.026+/-0.012 χ^2/NDF:6.3/6

+ sign 0.008+/-0.008 χ^2/NDF: 36.5/23

All: 0.015+/-0.006 χ^2/NDF: 61.2/49

- sign 0.022+/-0.008 χ^2/NDF: 23.3/25

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: 28.400+/-0.008 χ^2/NDF:734384.0/7

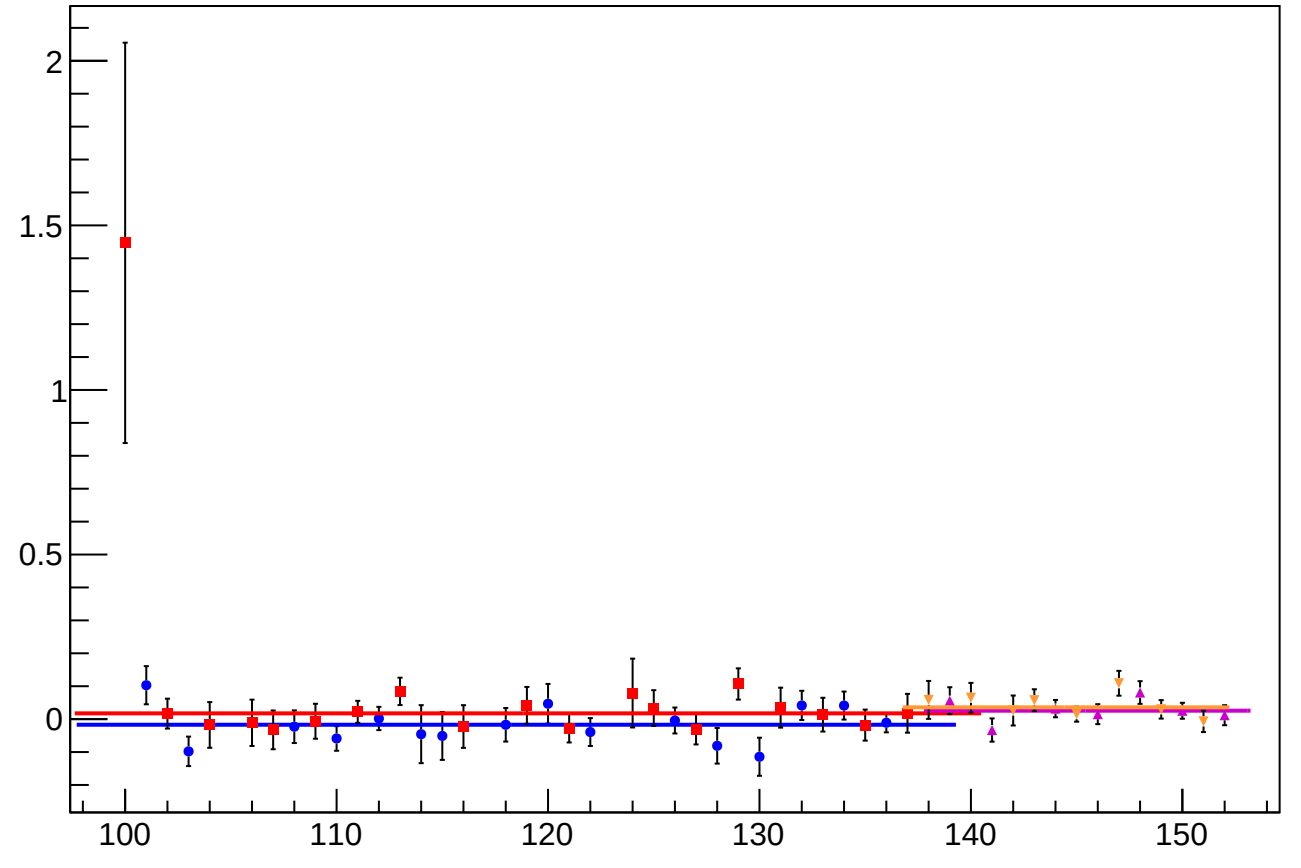
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.370+/-0.008 χ^2/NDF:294411.8/6

+ sign 28.862+/-0.006 χ^2/NDF: 1300726.3/23

All: 29.119+/-0.004 χ^2/NDF: 2300563.5/49

- sign 29.384+/-0.006 χ^2/NDF: 995861.5/25



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.012 χ^2/NDF:7.4/7

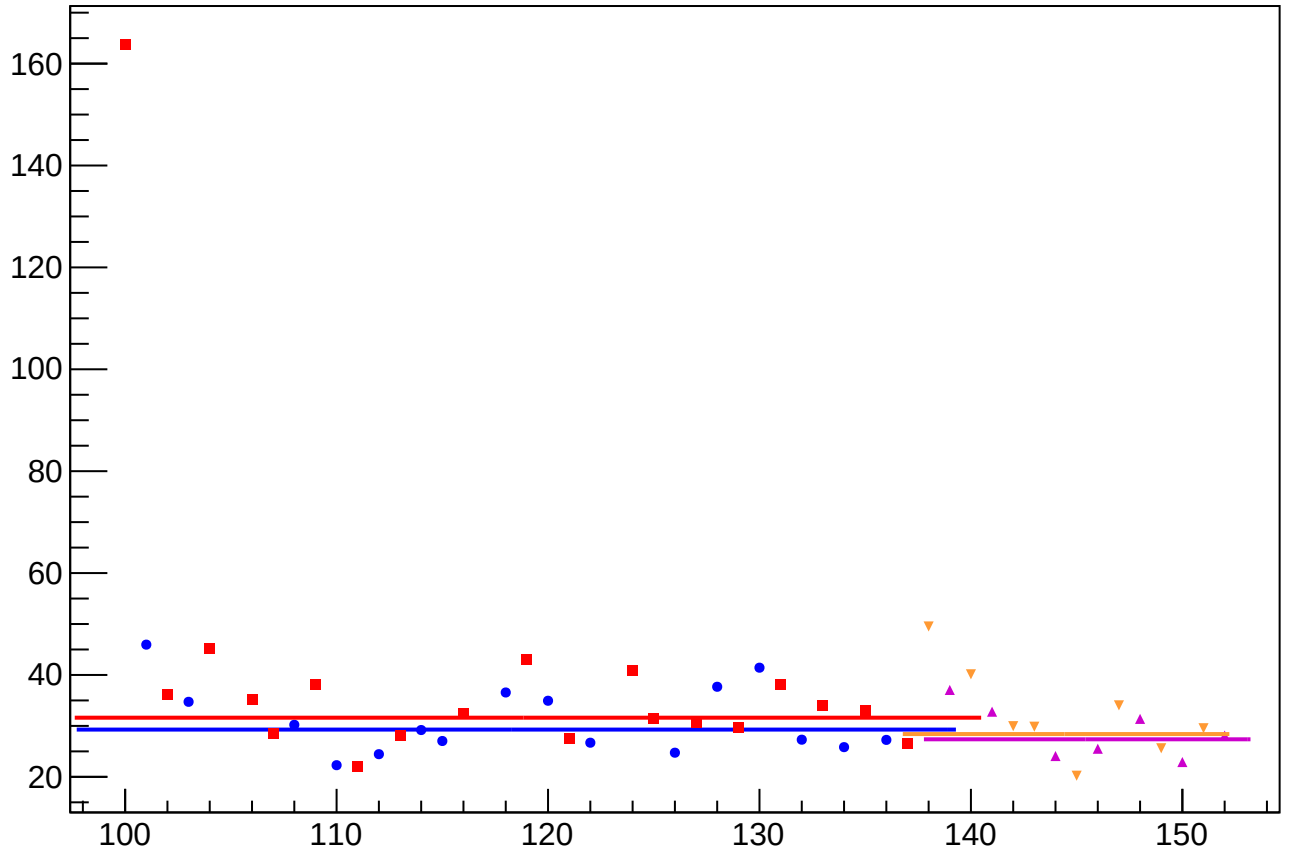
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.026+/-0.012 χ^2/NDF:6.3/6

+ sign 0.008+/-0.008 χ^2/NDF: 36.5/23

All: 0.015+/-0.006 χ^2/NDF: 61.2/49

- sign 0.022+/-0.008 χ^2/NDF: 23.3/25



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.400+/-0.008 χ^2/NDF:734384.0/7

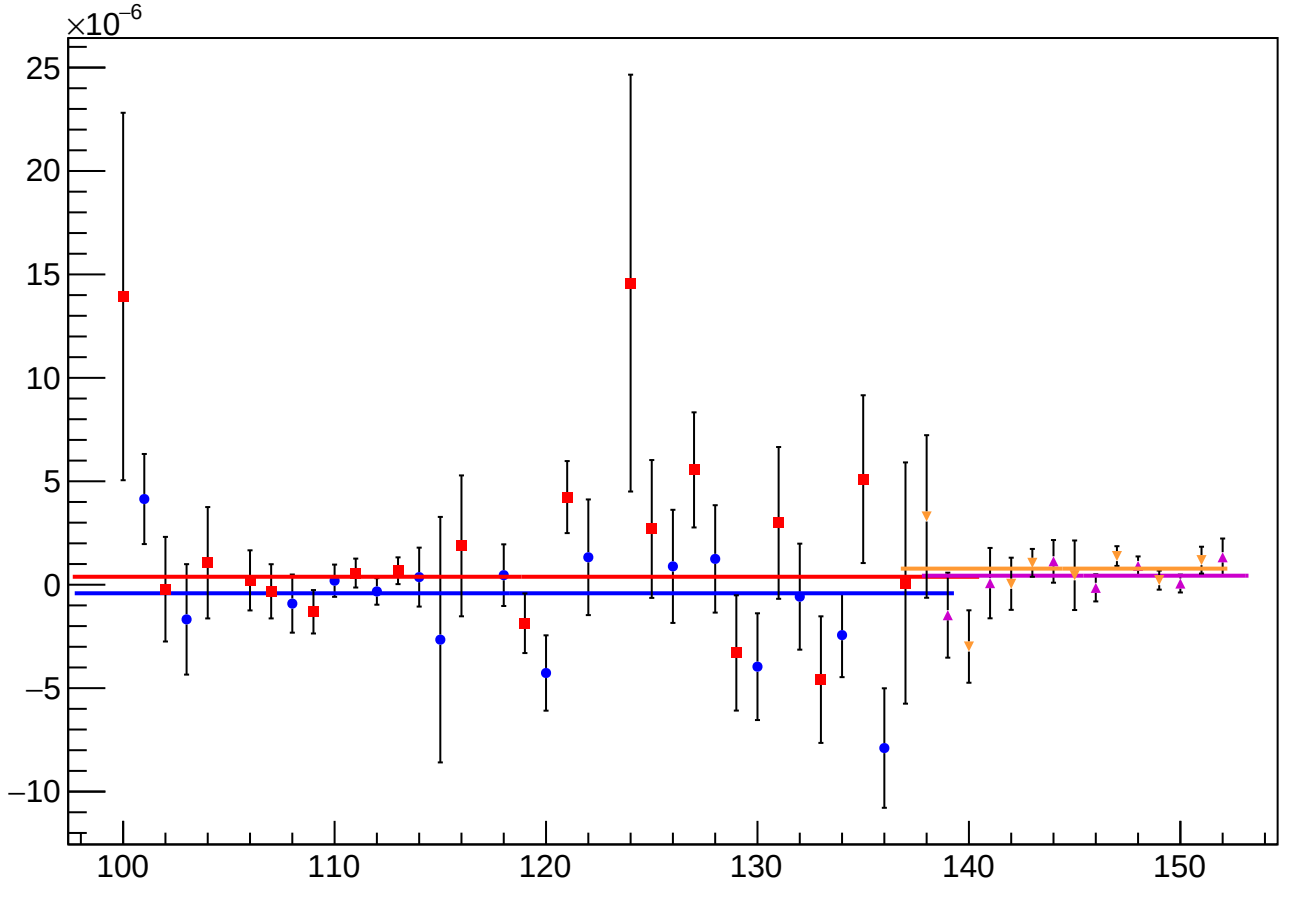
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

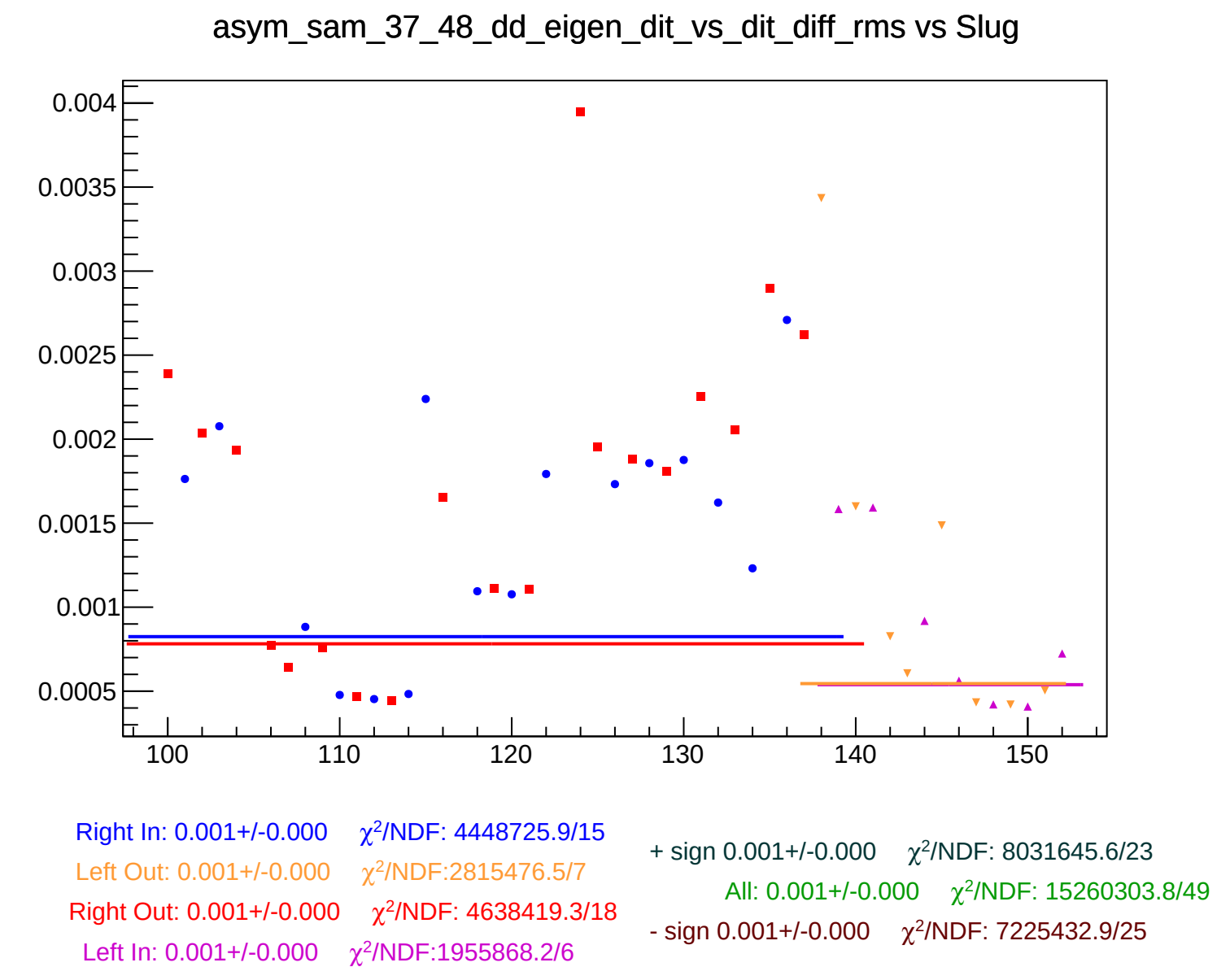
Left In: 27.370+/-0.008 χ^2/NDF:294411.8/6

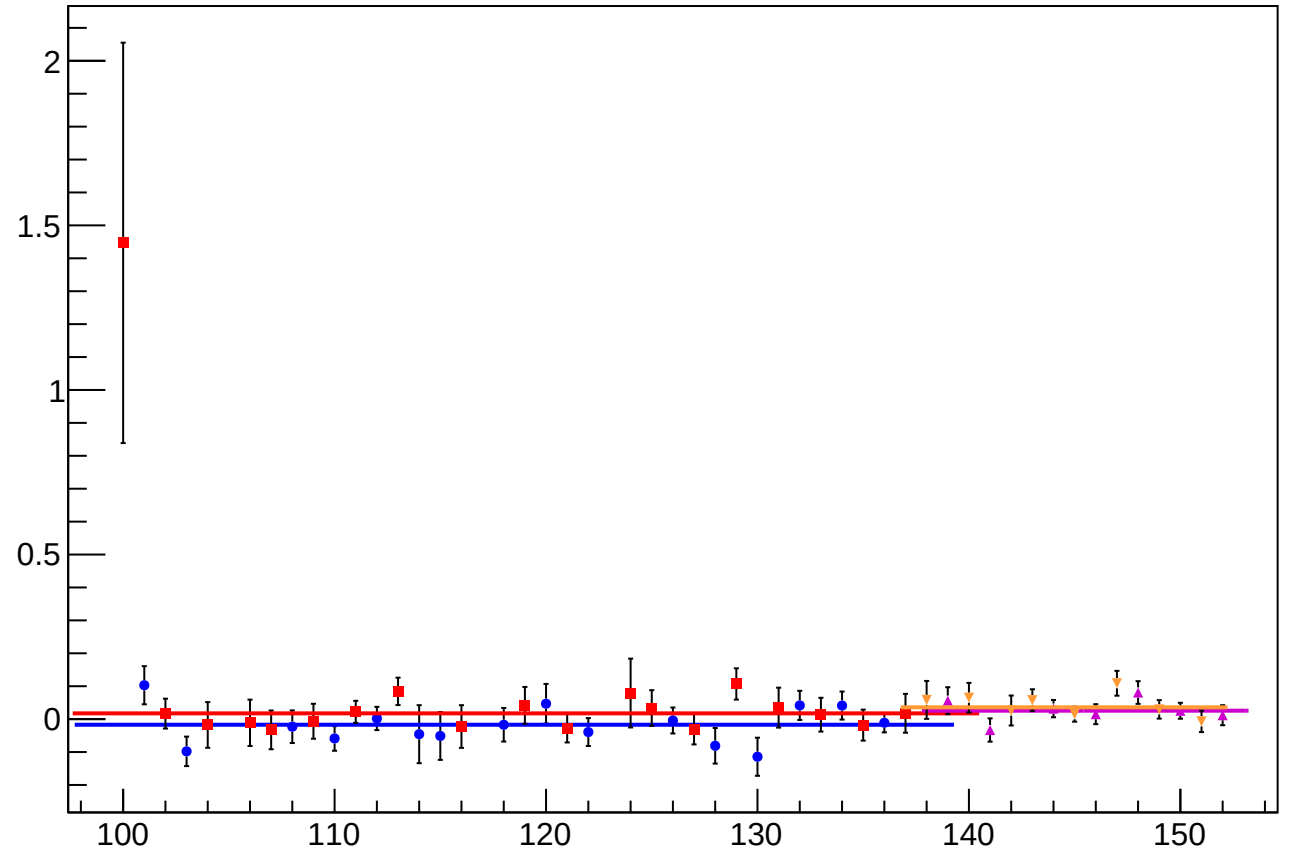
+ sign 28.862+/-0.006 χ^2/NDF: 1300726.3/23

All: 29.119+/-0.004 χ^2/NDF: 2300563.5/49

- sign 29.384+/-0.006 χ^2/NDF: 995861.5/25


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
25
20
15
10
5
0
−5
−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:9.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/18
Left In: 0.000+/-0.000 χ²/NDF:5.0/6
+ sign 0.000+/-0.000 χ²/NDF: 37.3/23
All: 0.000+/-0.000 χ²/NDF: 67.6/49
- sign 0.000+/-0.000 χ²/NDF: 30.3/25


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2815476.5/7
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:1955868.2/6
+ sign 0.001+/-0.000 χ²/NDF: 8031645.6/23
All: 0.001+/-0.000 χ²/NDF: 15260303.8/49
- sign 0.001+/-0.000 χ²/NDF: 7225432.9/25



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.012 χ^2/NDF:7.4/7

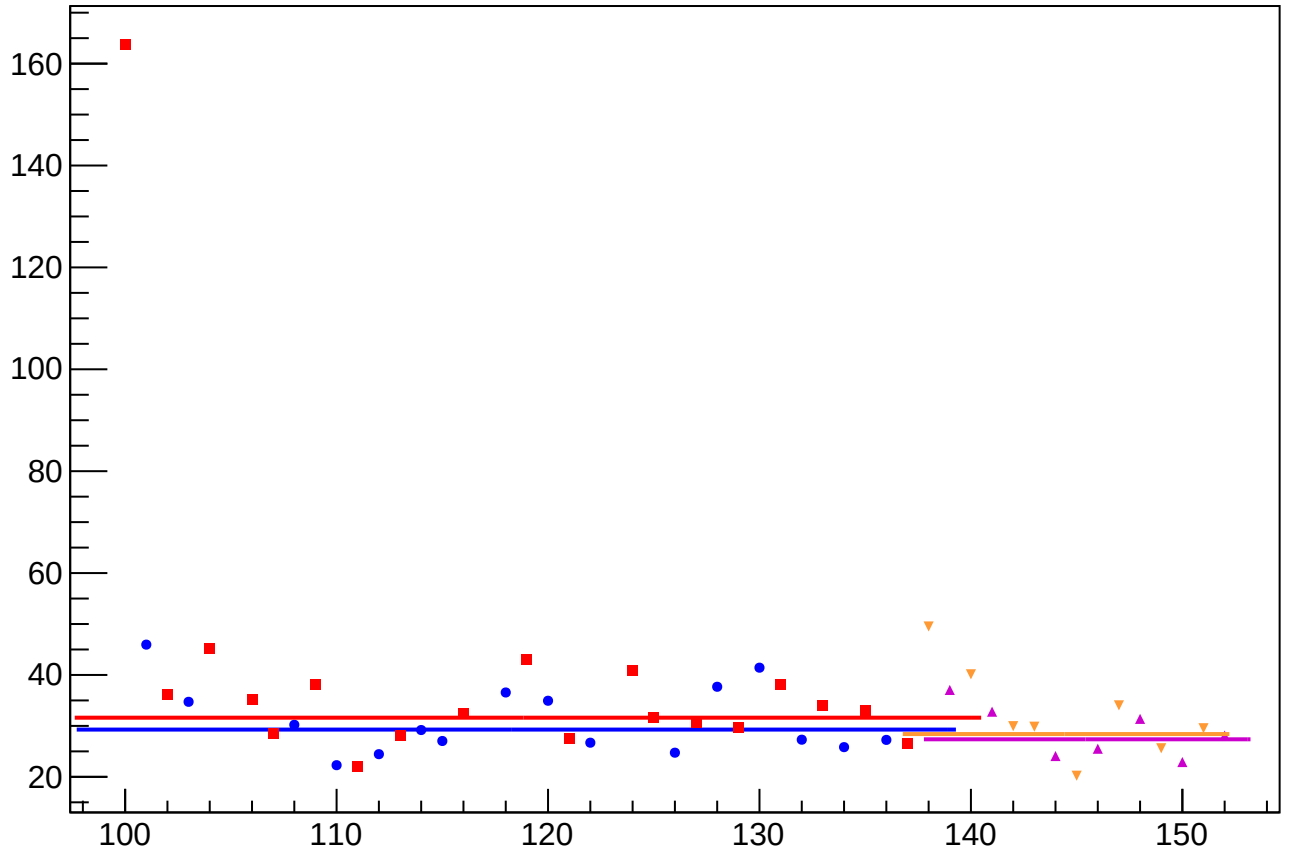
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.026+/-0.012 χ^2/NDF:6.3/6

+ sign 0.008+/-0.008 χ^2/NDF: 36.5/23

All: 0.015+/-0.006 χ^2/NDF: 61.2/49

- sign 0.022+/-0.008 χ^2/NDF: 23.3/25



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.400+/-0.008 χ^2/NDF:734430.8/7

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

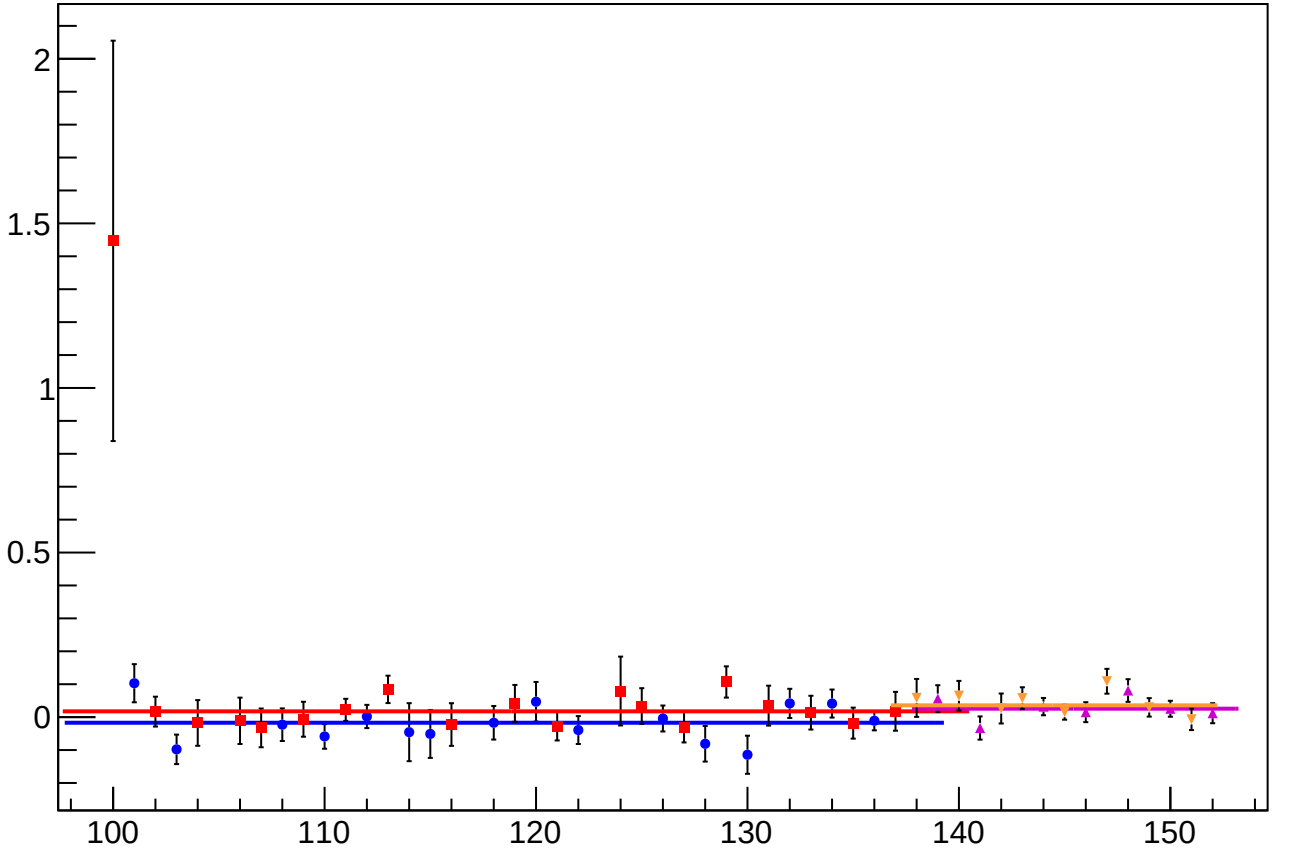
Left In: 27.369+/-0.008 χ^2/NDF:294381.7/6

+ sign 28.861+/-0.006 χ^2/NDF: 1300778.6/23

All: 29.119+/-0.004 χ^2/NDF: 2300604.2/49

- sign 29.384+/-0.006 χ^2/NDF: 995847.3/25

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: 0.036+/-0.012 χ^2/NDF:7.4/7

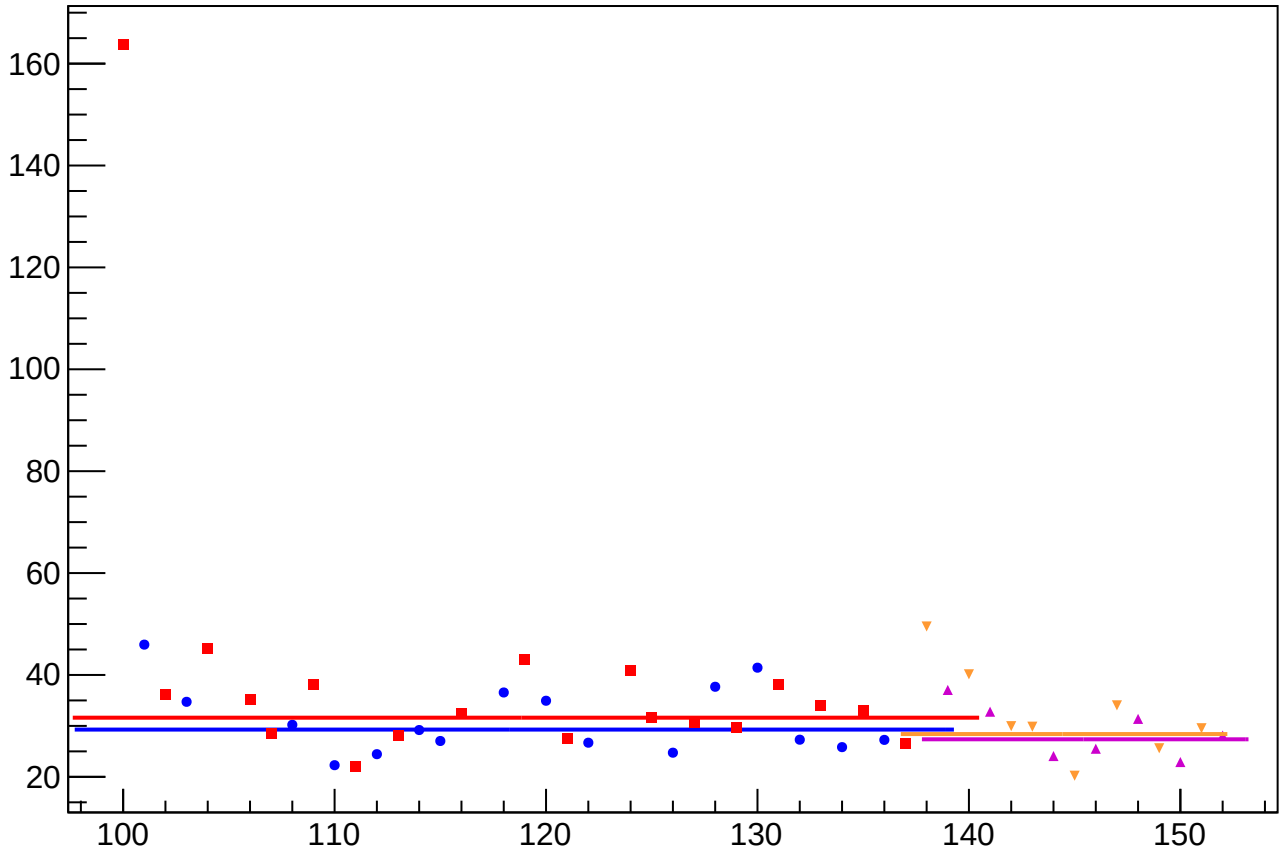
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.026+/-0.012 χ^2/NDF:6.3/6

+ sign 0.008+/-0.008 χ^2/NDF: 36.5/23

All: 0.015+/-0.006 χ^2/NDF: 61.2/49

- sign 0.022+/-0.008 χ^2/NDF: 23.3/25



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.400+/-0.008 χ^2/NDF:734430.8/7

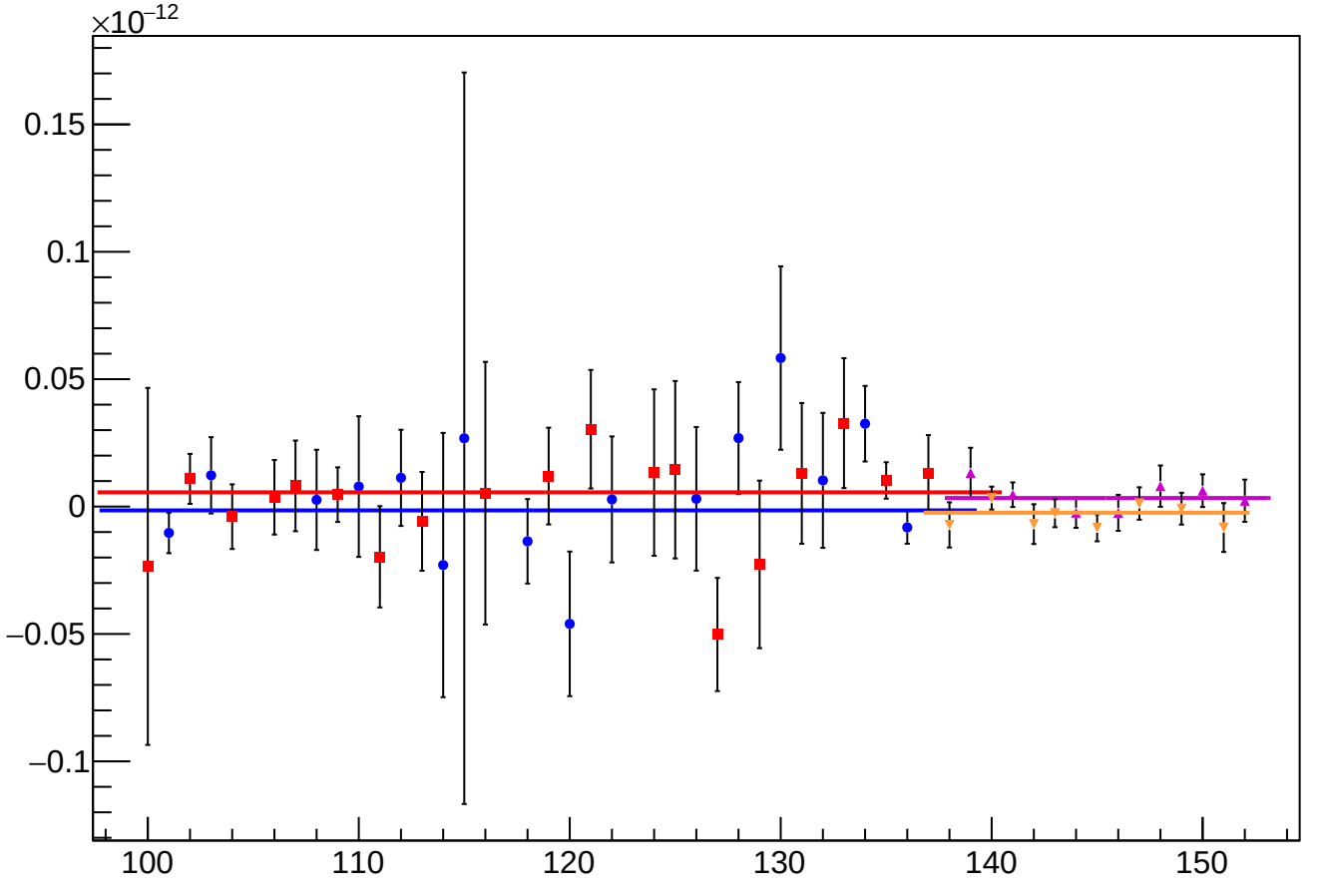
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.369+/-0.008 χ^2/NDF:294381.7/6

+ sign 28.861+/-0.006 χ^2/NDF: 1300778.6/23

All: 29.119+/-0.004 χ^2/NDF: 2300604.2/49

- sign 29.384+/-0.006 χ^2/NDF: 995847.3/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/7

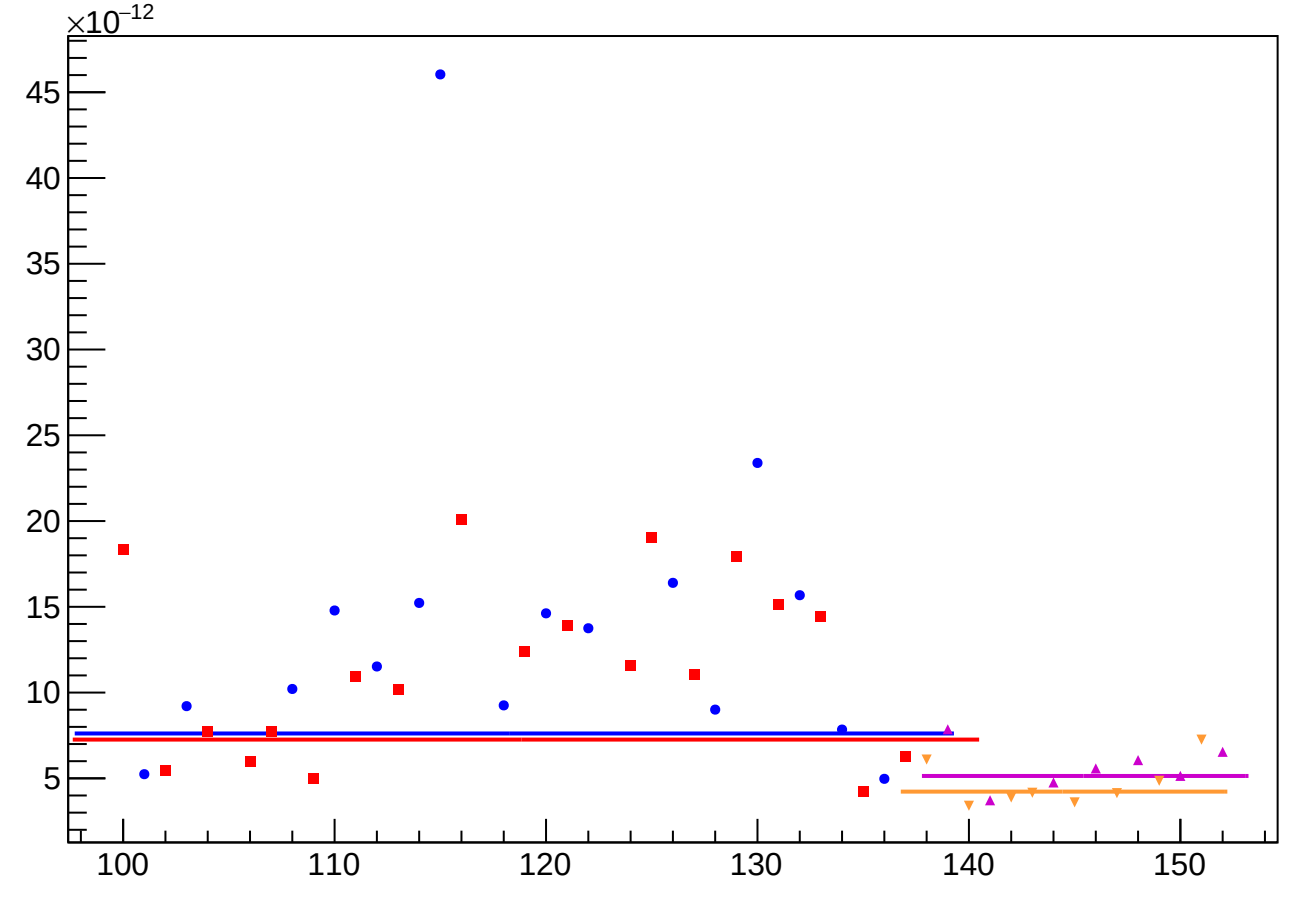
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 21.2/23

All: 0.000+/-0.000 χ^2/NDF: 43.0/49

- sign 0.000+/-0.000 χ^2/NDF: 16.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:408730.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

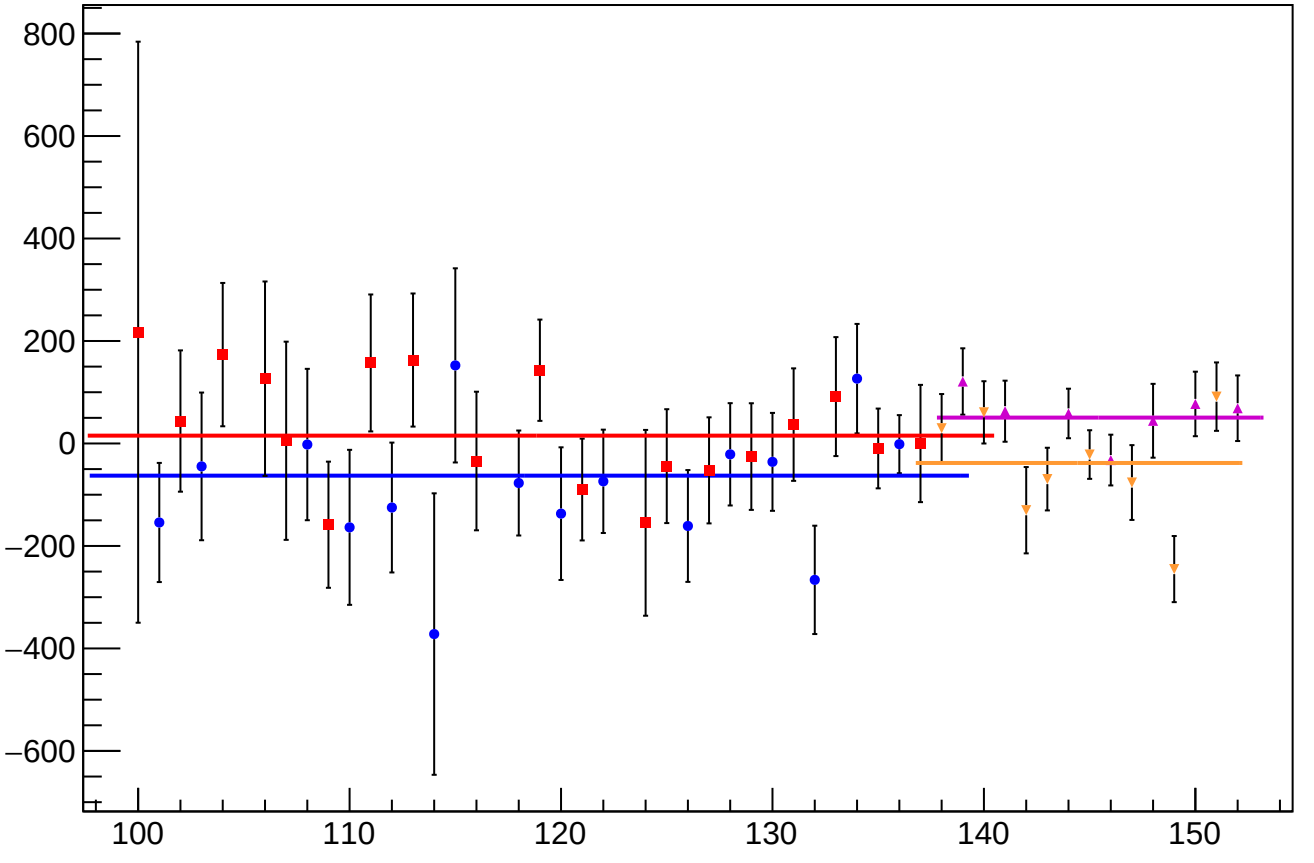
Left In: 0.000+/-0.000 χ^2/NDF:423650.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 3614595.5/23

All: 0.000+/-0.000 χ^2/NDF: 6639736.6/49

- sign 0.000+/-0.000 χ^2/NDF: 2877687.4/25

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.045+/-22.360 χ^2/NDF:19.6/7

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

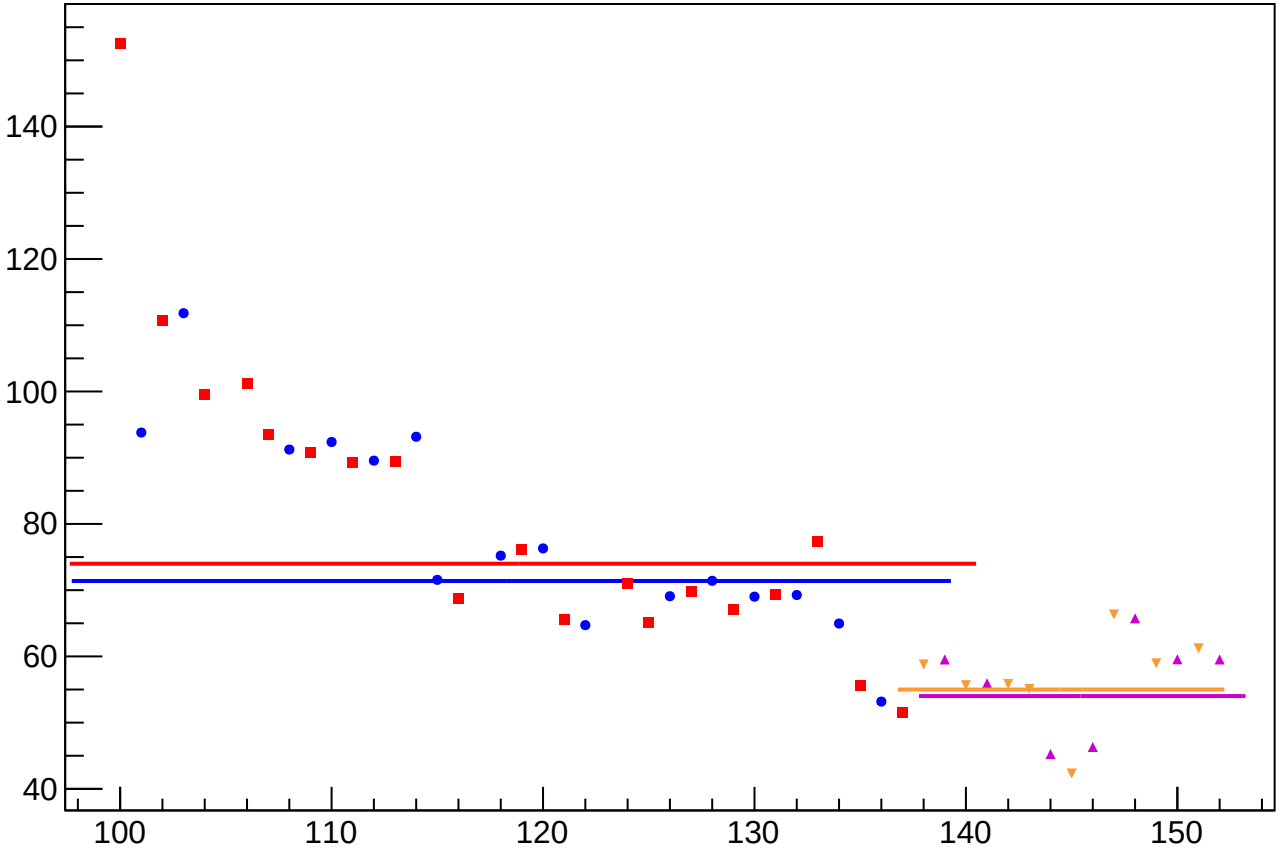
Left In: 50.480+/-22.115 χ^2/NDF:4.3/6

+ sign -48.021+/-17.276 χ^2/NDF: 33.6/23

All: -5.657+/-12.224 χ^2/NDF: 62.4/49

- sign 36.822+/-17.300 χ^2/NDF: 16.8/25

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 54.995+/-0.016 χ^2/NDF:222924.3/7

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

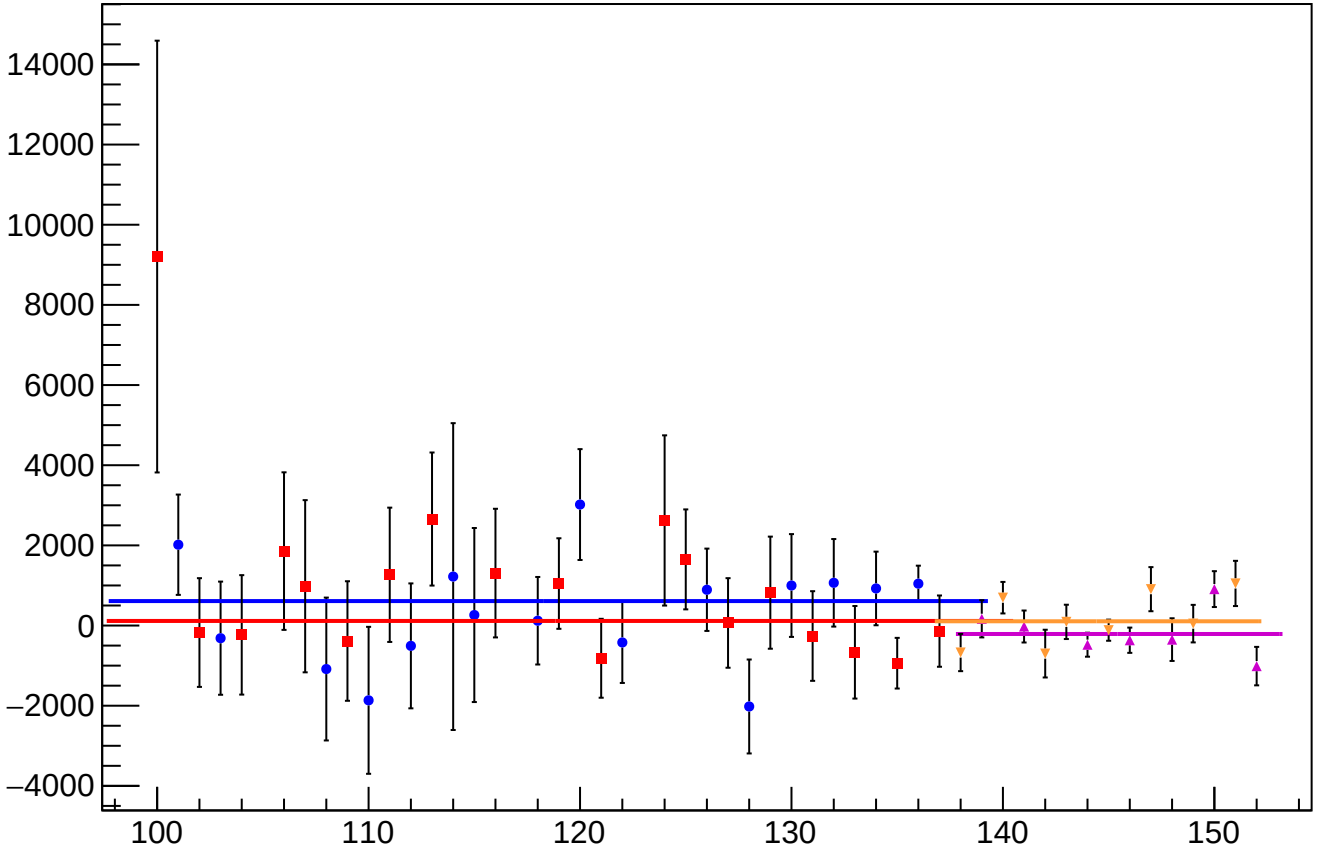
Left In: 54.011+/-0.016 χ^2/NDF:213994.2/6

+ sign 61.600+/-0.012 χ^2/NDF: 1246844.6/23

All: 61.683+/-0.009 χ^2/NDF: 2733036.4/49

- sign 61.766+/-0.012 χ^2/NDF: 1486099.2/25

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 106.341+/-149.462 χ^2/NDF:12.5/7

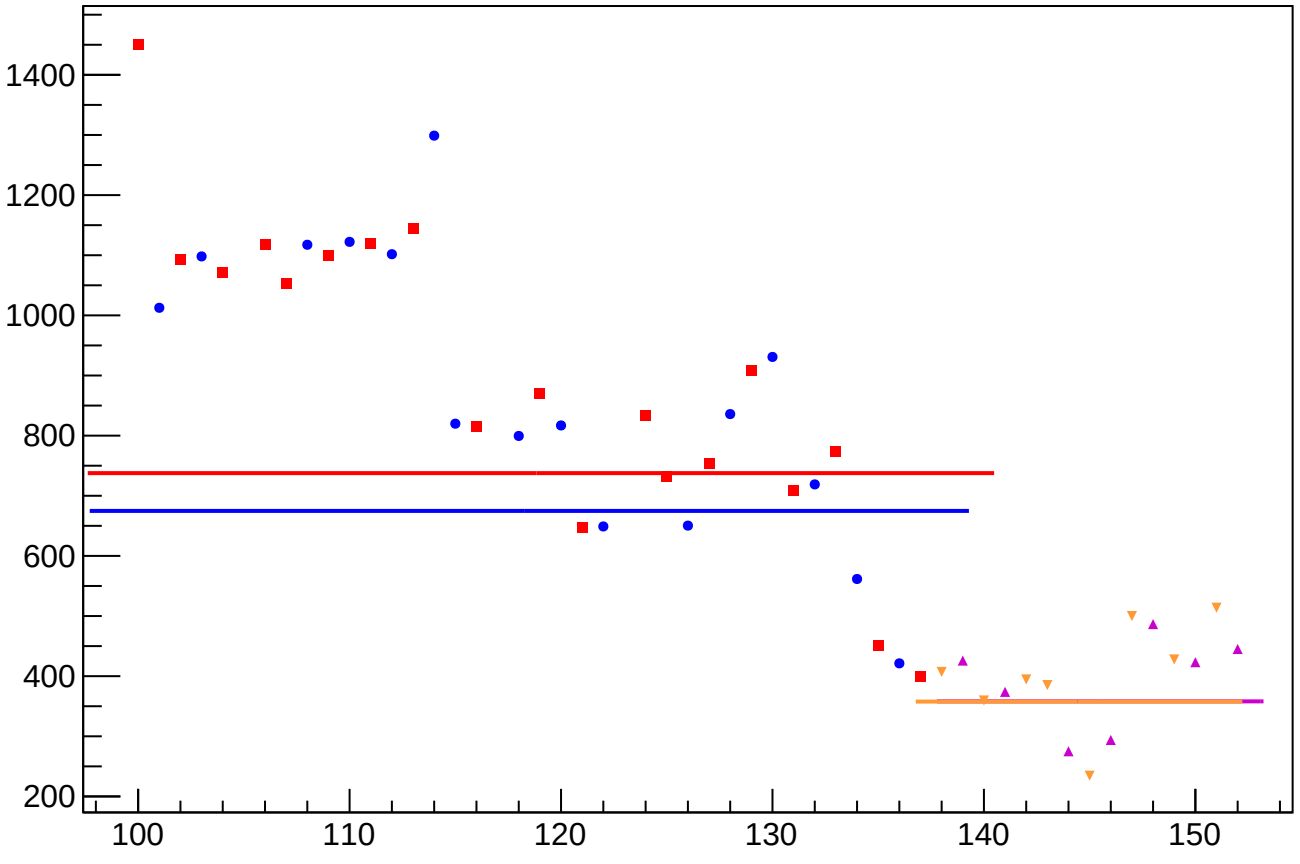
Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -210.663+/-149.032 χ^2/NDF:11.0/6

+ sign 226.780+/-130.396 χ^2/NDF: 30.9/23

All: 45.358+/-92.765 χ^2/NDF: 62.5/49

- sign -140.547+/-131.997 χ^2/NDF: 27.6/25



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 357.766+/-0.106 χ^2/NDF:806918.6/7

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

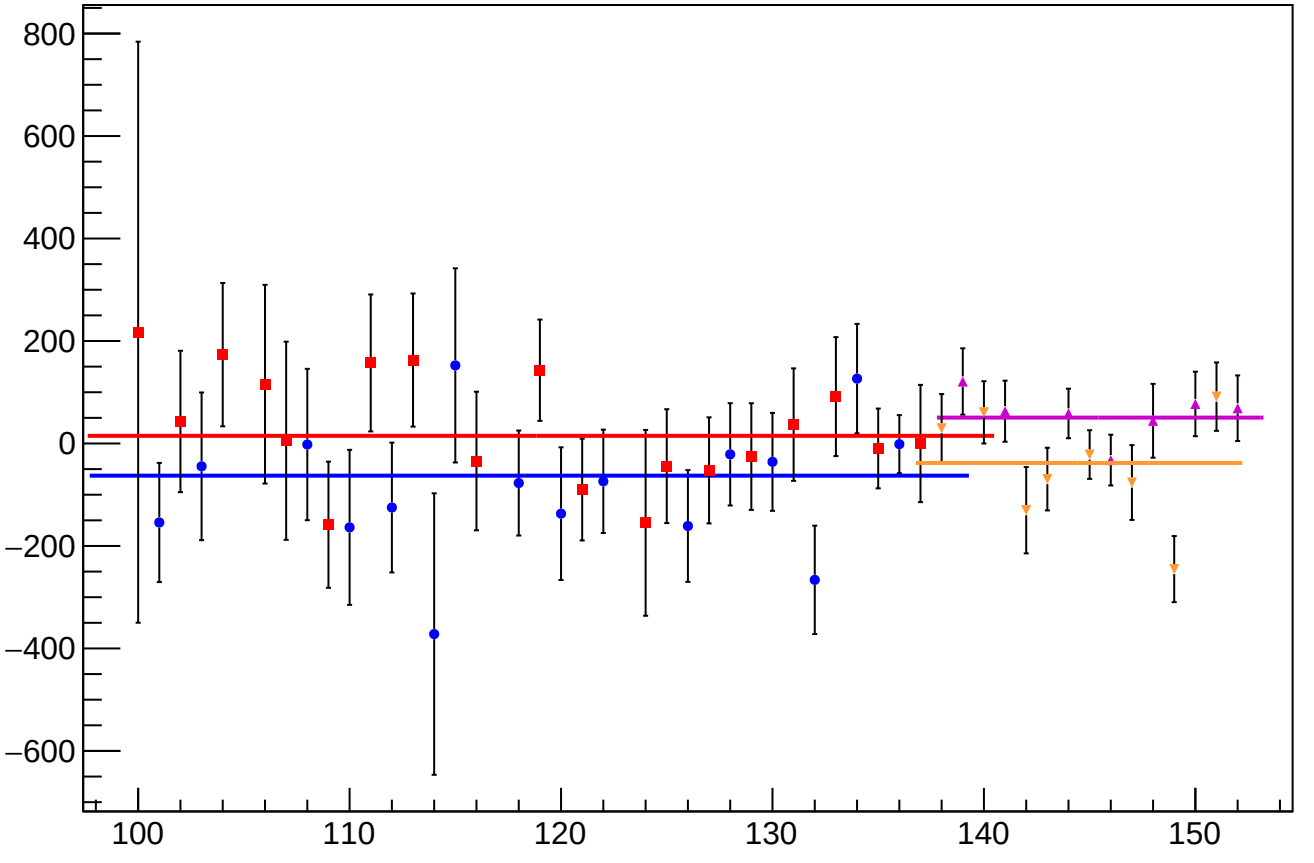
Left In: 358.096+/-0.105 χ^2/NDF:507345.6/6

+ sign 433.501+/-0.092 χ^2/NDF: 4574376.6/23

All: 436.667+/-0.066 χ^2/NDF: 9397334.2/49

- sign 439.912+/-0.093 χ^2/NDF: 4820569.6/25

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.046+/-22.360 χ^2/NDF:19.6/7

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

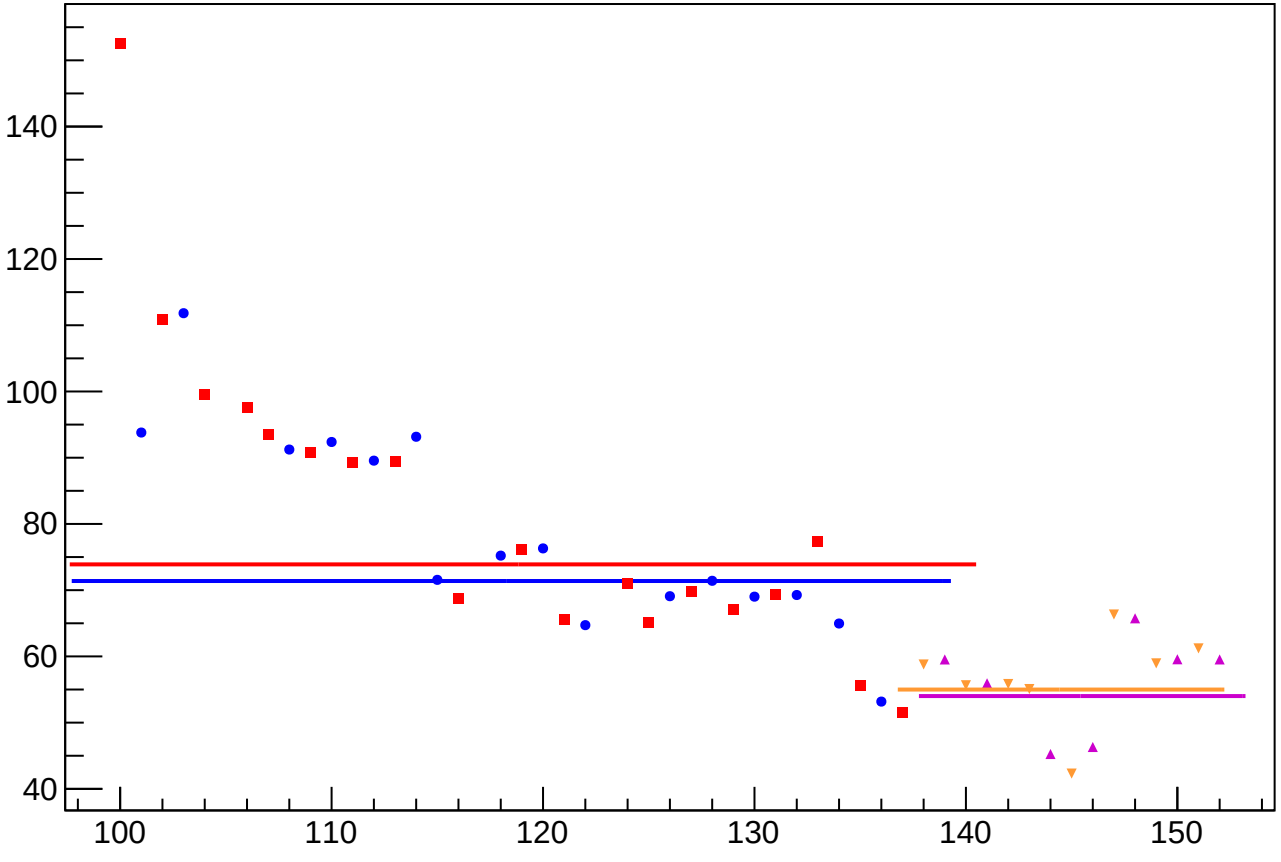
Left In: 50.481+/-22.115 χ^2/NDF:4.3/6

+ sign -48.018+/-17.276 χ^2/NDF: 33.6/23

All: -5.728+/-12.226 χ^2/NDF: 62.3/49

- sign 36.693+/-17.303 χ^2/NDF: 16.7/25

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.995+/-0.016 χ^2/NDF:222924.3/7

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

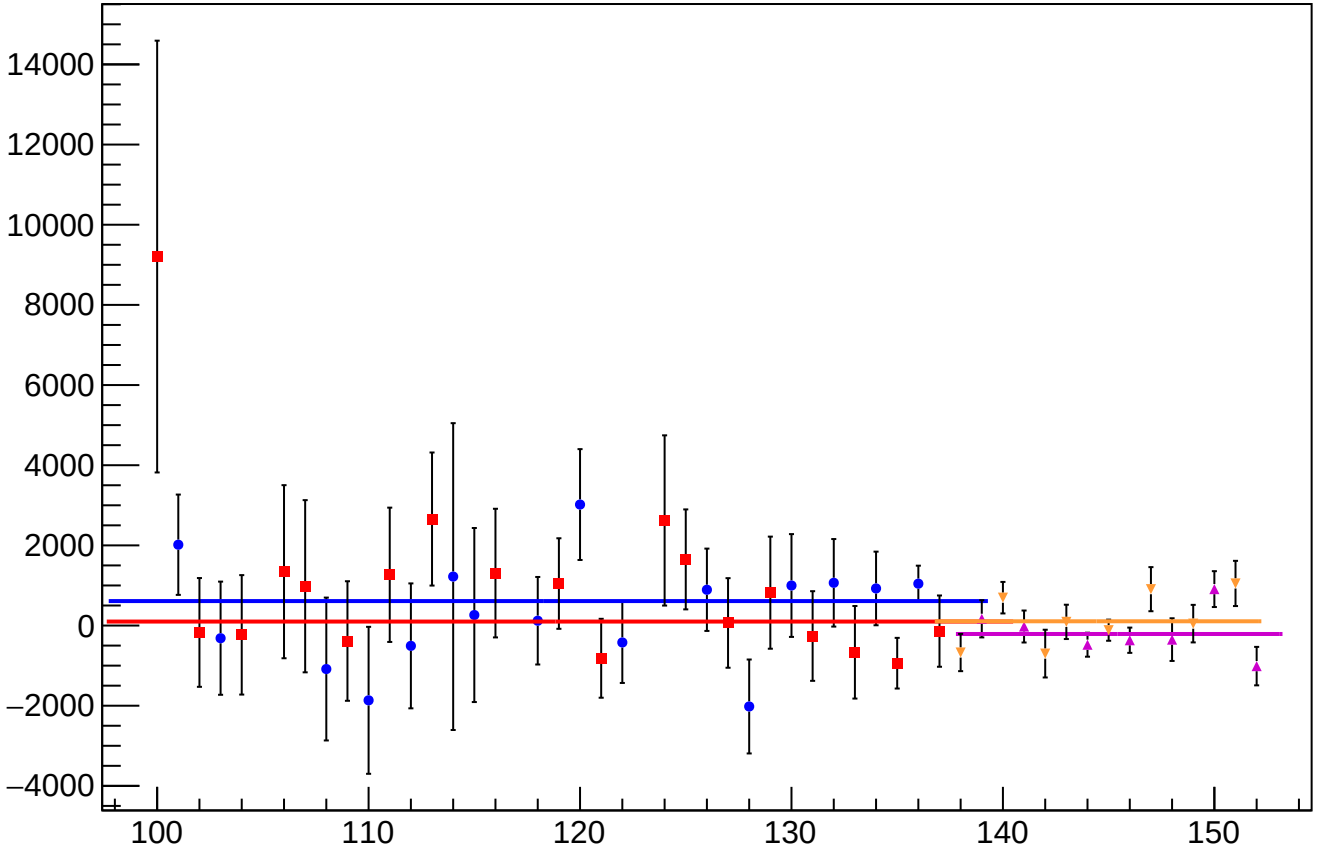
Left In: 54.011+/-0.016 χ^2/NDF:213994.2/6

+ sign 61.600+/-0.012 χ^2/NDF: 1246847.2/23

All: 61.661+/-0.009 χ^2/NDF: 2714889.5/49

- sign 61.723+/-0.012 χ^2/NDF: 1467991.6/25

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 106.338+/-149.462 χ^2/NDF:12.5/7

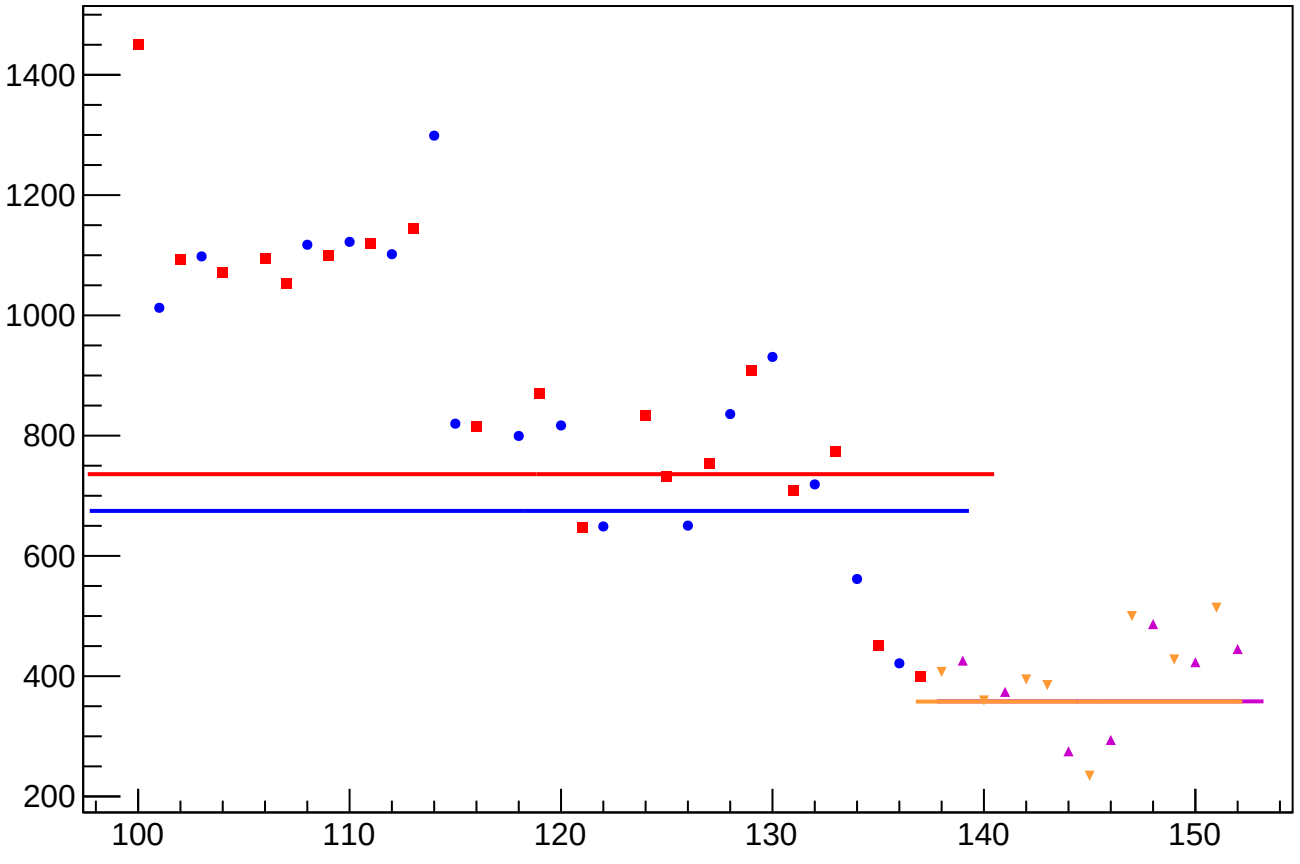
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -210.661+/-149.032 χ^2/NDF:11.0/6

+ sign 226.775+/-130.396 χ^2/NDF: 30.9/23

All: 43.729+/-92.783 χ^2/NDF: 62.0/49

- sign -143.986+/-132.049 χ^2/NDF: 27.1/25



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 357.765+/-0.106 χ^2/NDF:806924.1/7

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

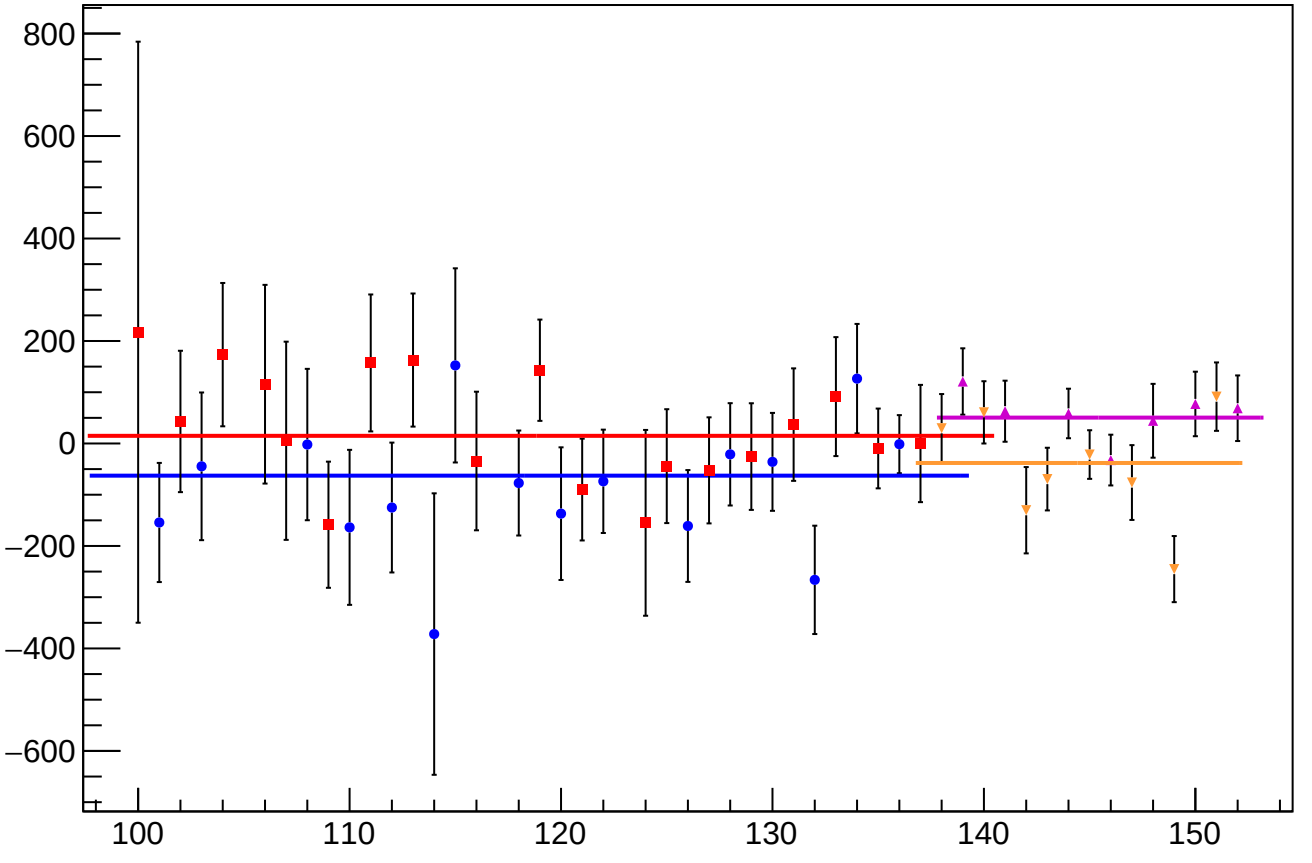
Left In: 358.096+/-0.105 χ^2/NDF:507346.8/6

+ sign 433.500+/-0.092 χ^2/NDF: 4574412.8/23

All: 436.364+/-0.066 χ^2/NDF: 9343446.1/49

- sign 439.301+/-0.093 χ^2/NDF: 4767079.0/25

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.046+/-22.360 χ^2/NDF:19.6/7

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

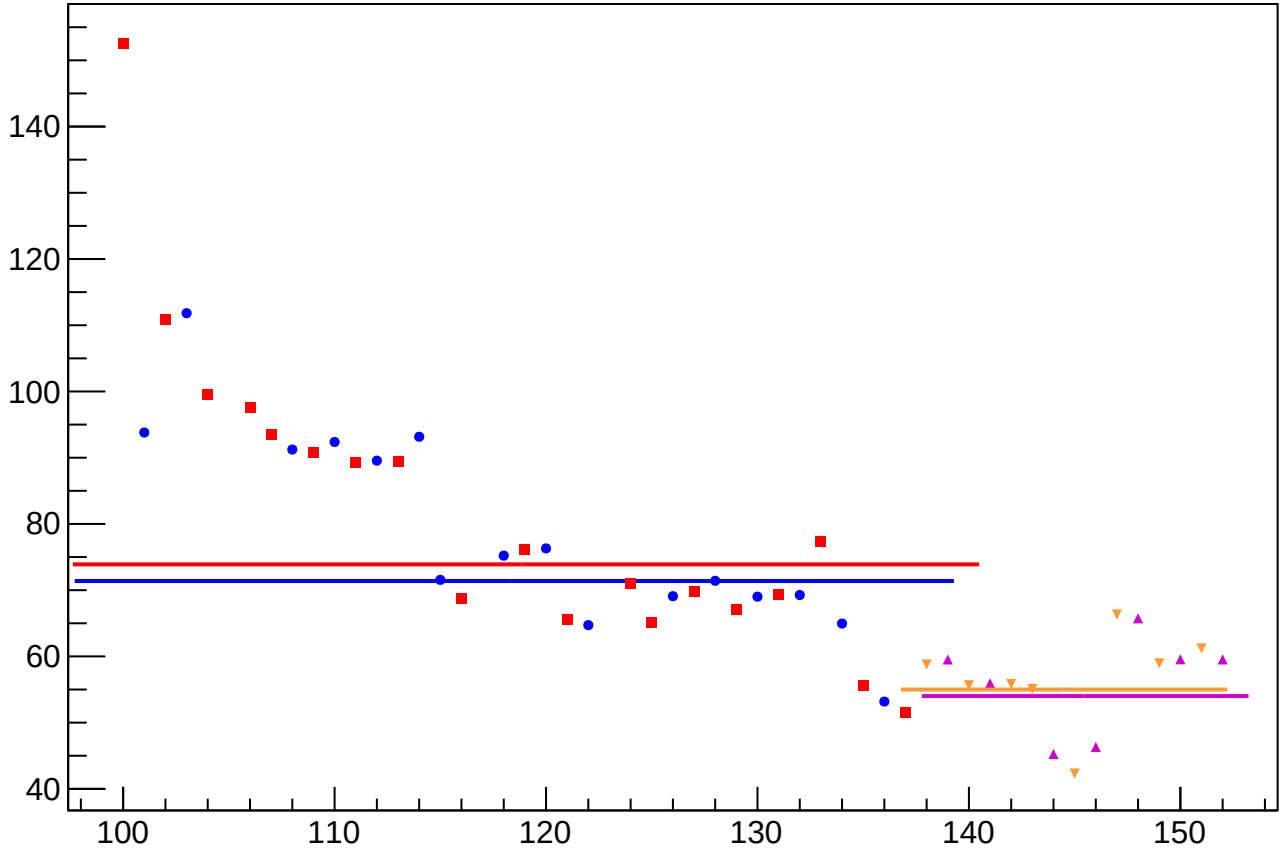
Left In: 50.481+/-22.115 χ^2/NDF:4.3/6

+ sign -48.018+/-17.276 χ^2/NDF: 33.6/23

All: -5.728+/-12.226 χ^2/NDF: 62.3/49

- sign 36.693+/-17.303 χ^2/NDF: 16.7/25

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.995+/-0.016 χ^2/NDF:222924.3/7

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

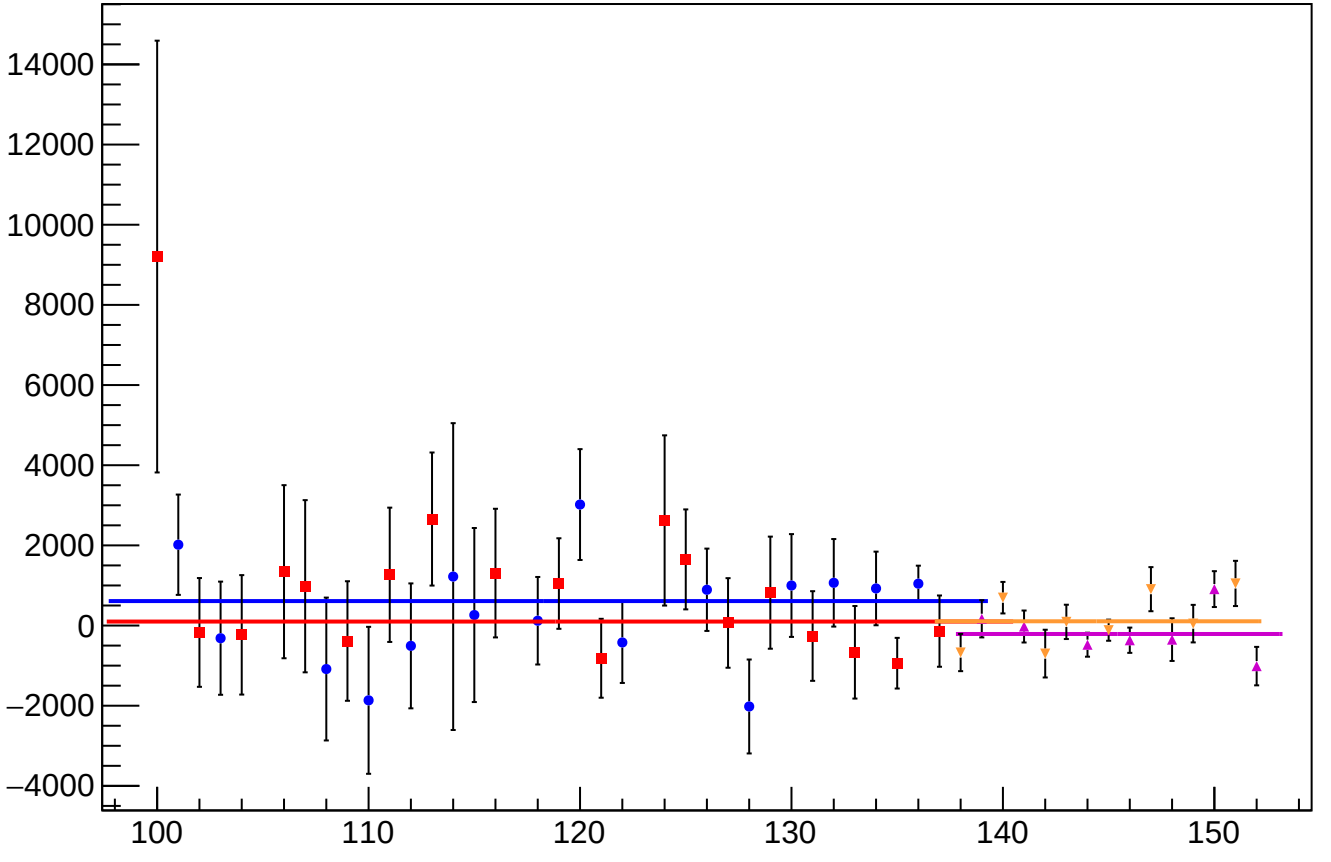
Left In: 54.011+/-0.016 χ^2/NDF:213994.2/6

+ sign 61.600+/-0.012 χ^2/NDF: 1246847.2/23

All: 61.661+/-0.009 χ^2/NDF: 2714889.5/49

- sign 61.723+/-0.012 χ^2/NDF: 1467991.6/25

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 106.338+/-149.462 χ^2/NDF:12.5/7

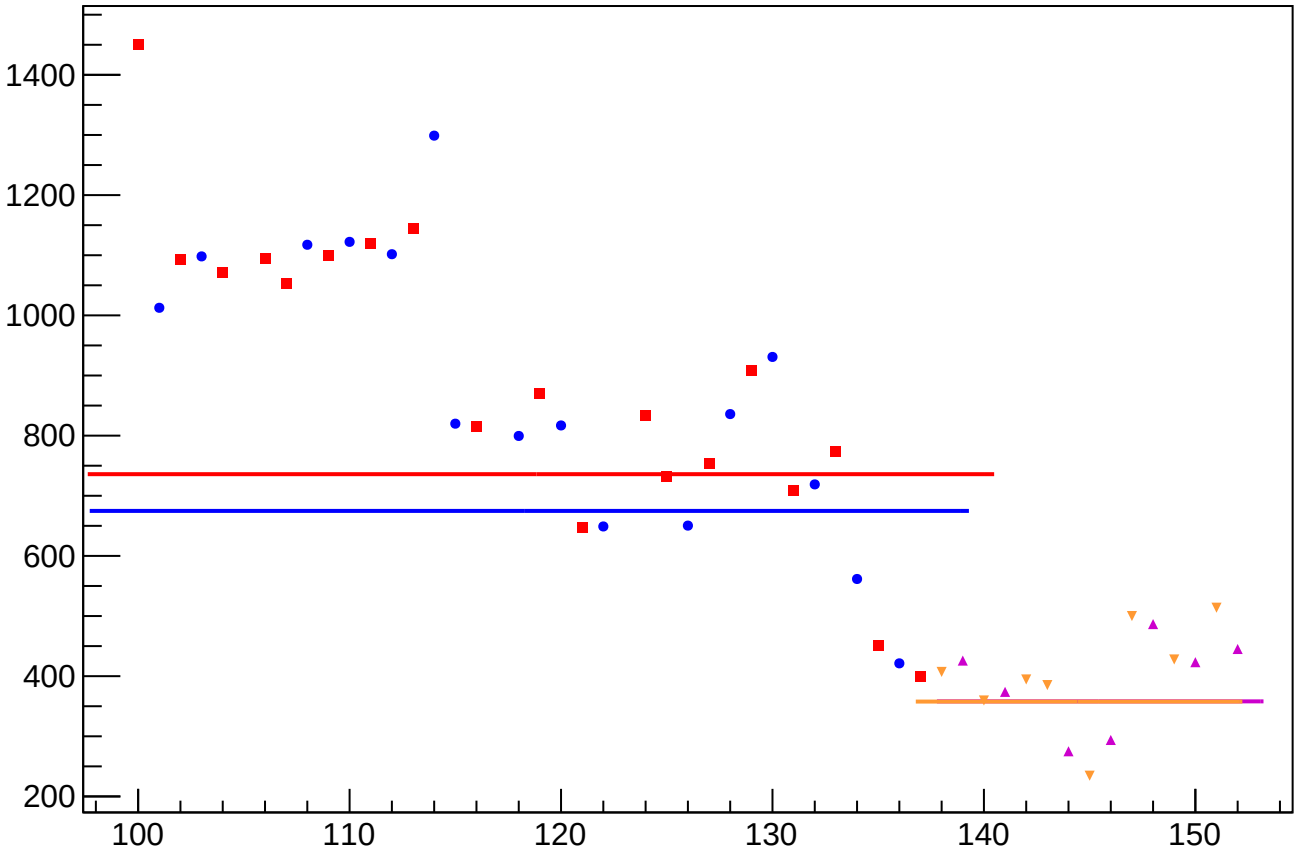
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -210.661+/-149.032 χ^2/NDF:11.0/6

+ sign 226.775+/-130.396 χ^2/NDF: 30.9/23

All: 43.729+/-92.783 χ^2/NDF: 62.0/49

- sign -143.986+/-132.049 χ^2/NDF: 27.1/25



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 357.765+/-0.106 χ^2/NDF:806924.1/7

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

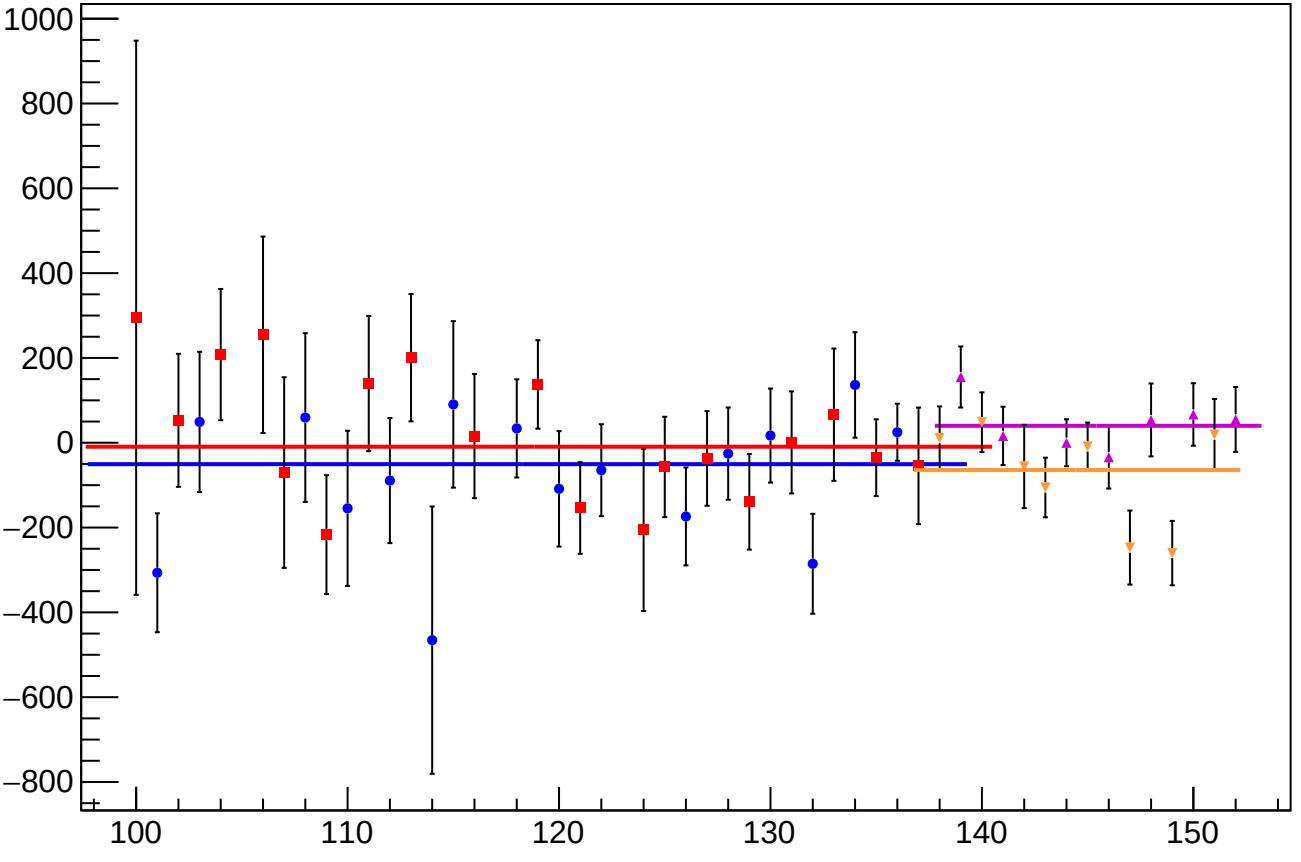
Left In: 358.096+/-0.105 χ^2/NDF:507346.8/6

+ sign 433.500+/-0.092 χ^2/NDF: 4574412.8/23

All: 436.364+/-0.066 χ^2/NDF: 9343446.1/49

- sign 439.301+/-0.093 χ^2/NDF: 4767079.0/25

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -64.337+/-26.285 χ^2/NDF:16.9/7

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

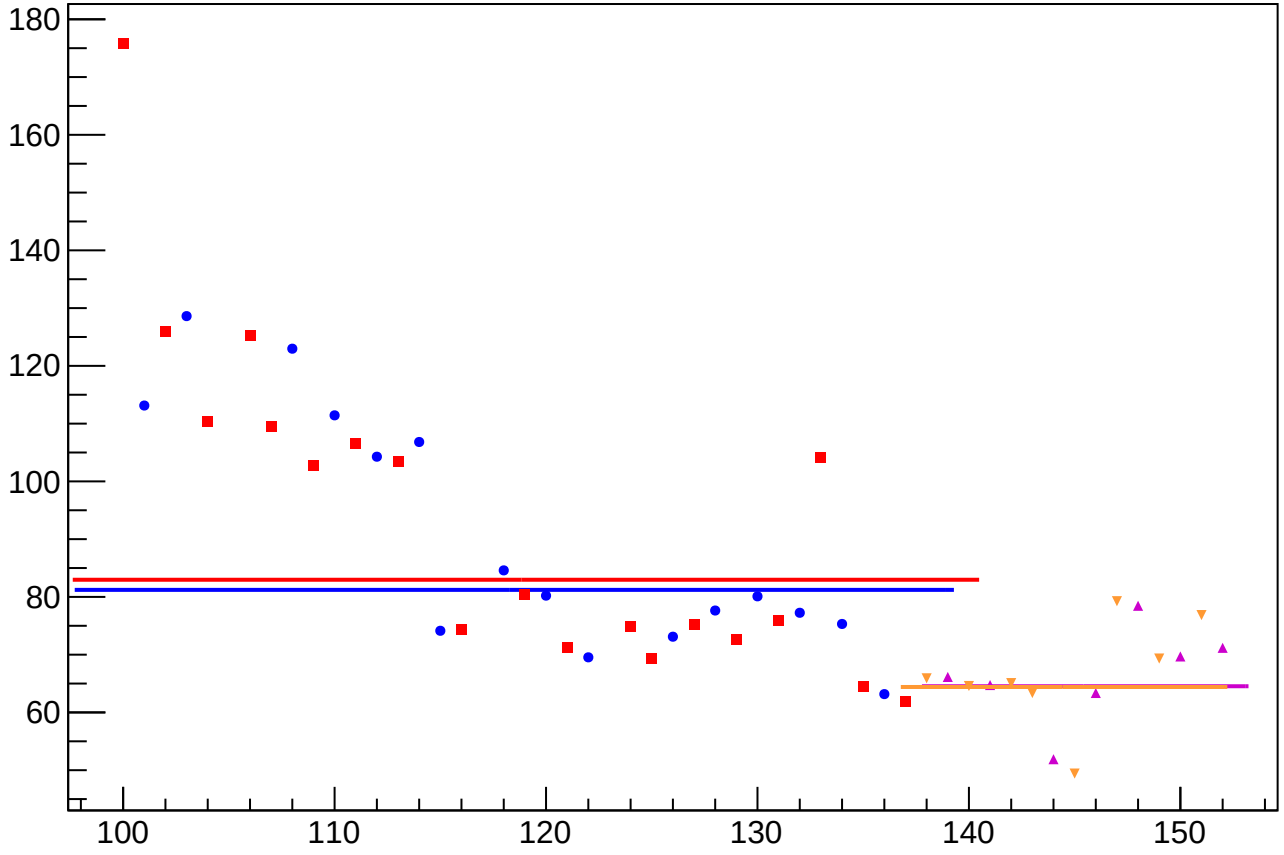
Left In: 39.972+/-26.704 χ^2/NDF:4.4/6

+ sign -58.549+/-20.065 χ^2/NDF: 33.5/23

All: -20.156+/-14.269 χ^2/NDF: 62.3/49

- sign 19.132+/-20.297 χ^2/NDF: 21.4/25

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 64.406+/-0.019 χ^2/NDF:252923.9/7

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

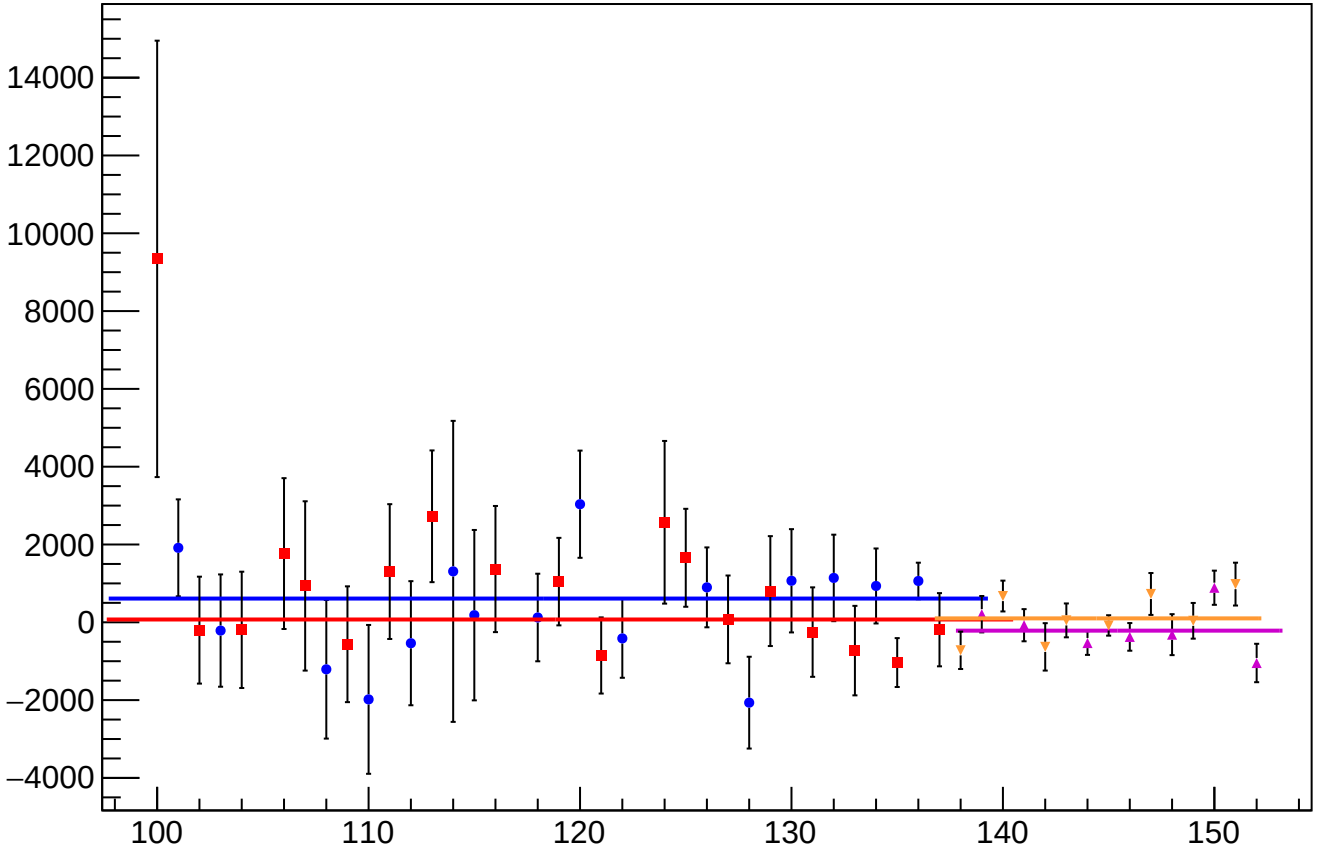
Left In: 64.534+/-0.019 χ^2/NDF:182764.7/6

+ sign 71.421+/-0.014 χ^2/NDF: 1257212.9/23

All: 71.865+/-0.010 χ^2/NDF: 2574924.7/49

- sign 72.319+/-0.014 χ^2/NDF: 1315731.8/25

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 100.807+/-149.561 χ^2/NDF:10.9/7

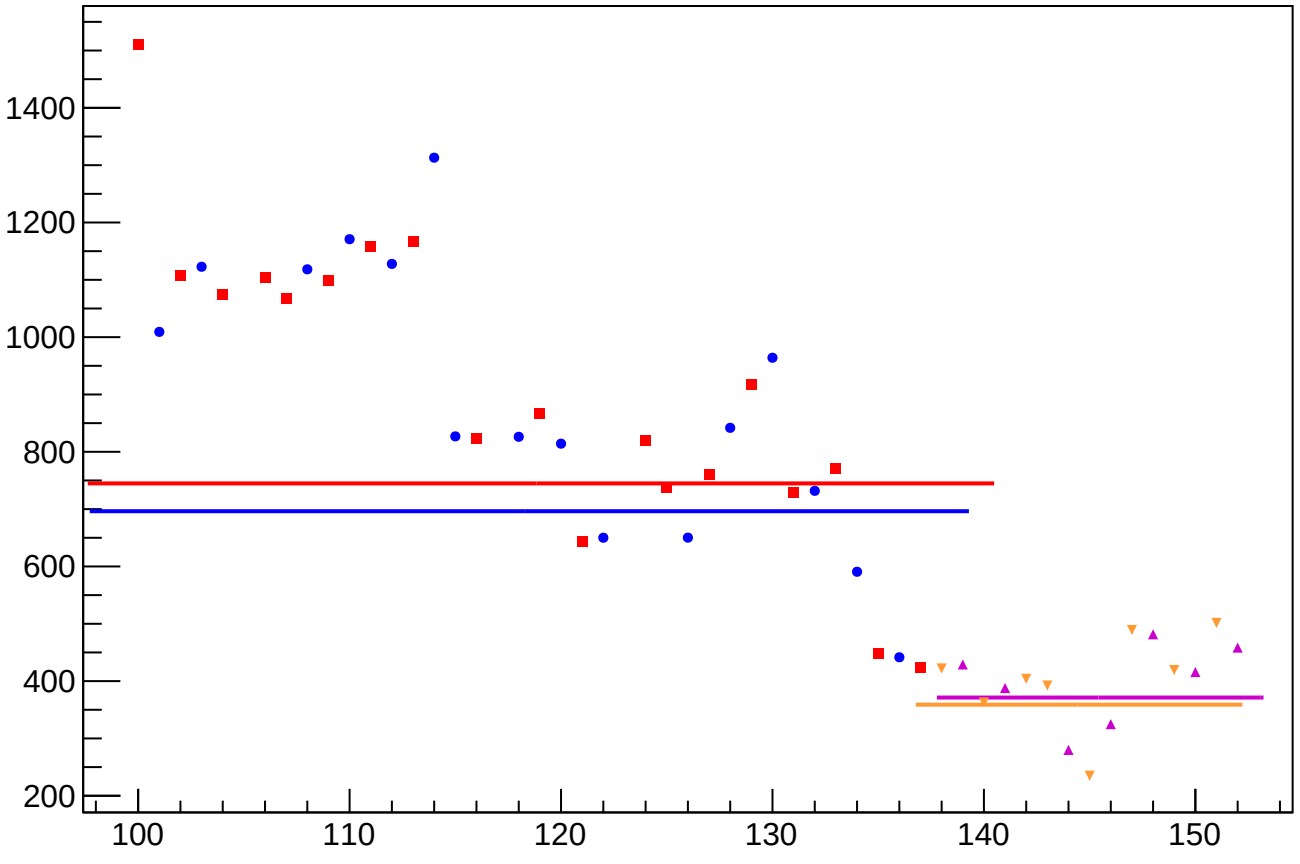
Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -214.414+/-154.370 χ^2/NDF:11.4/6

+ sign 217.793+/-131.276 χ^2/NDF: 29.4/23

All: 40.298+/-94.430 χ^2/NDF: 61.5/49

- sign -150.016+/-135.933 χ^2/NDF: 28.4/25



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 358.930+/-0.106 χ^2/NDF:789754.1/7

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

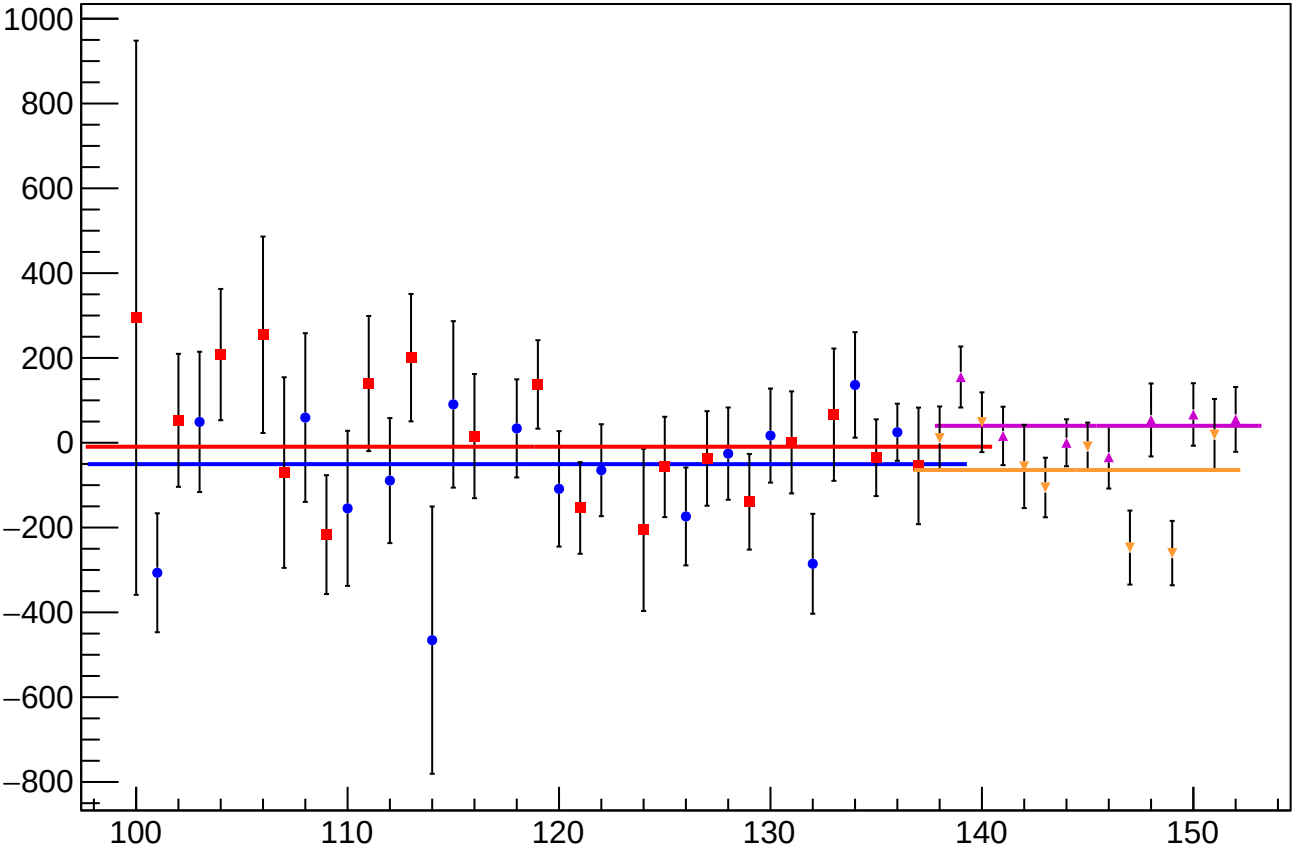
Left In: 371.307+/-0.109 χ^2/NDF:417462.8/6

+ sign 436.398+/-0.093 χ^2/NDF: 4642521.0/23

All: 445.476+/-0.067 χ^2/NDF: 9208713.9/49

- sign 455.209+/-0.096 χ^2/NDF: 4546375.0/25

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -64.336+/-26.285 χ^2/NDF:16.9/7

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

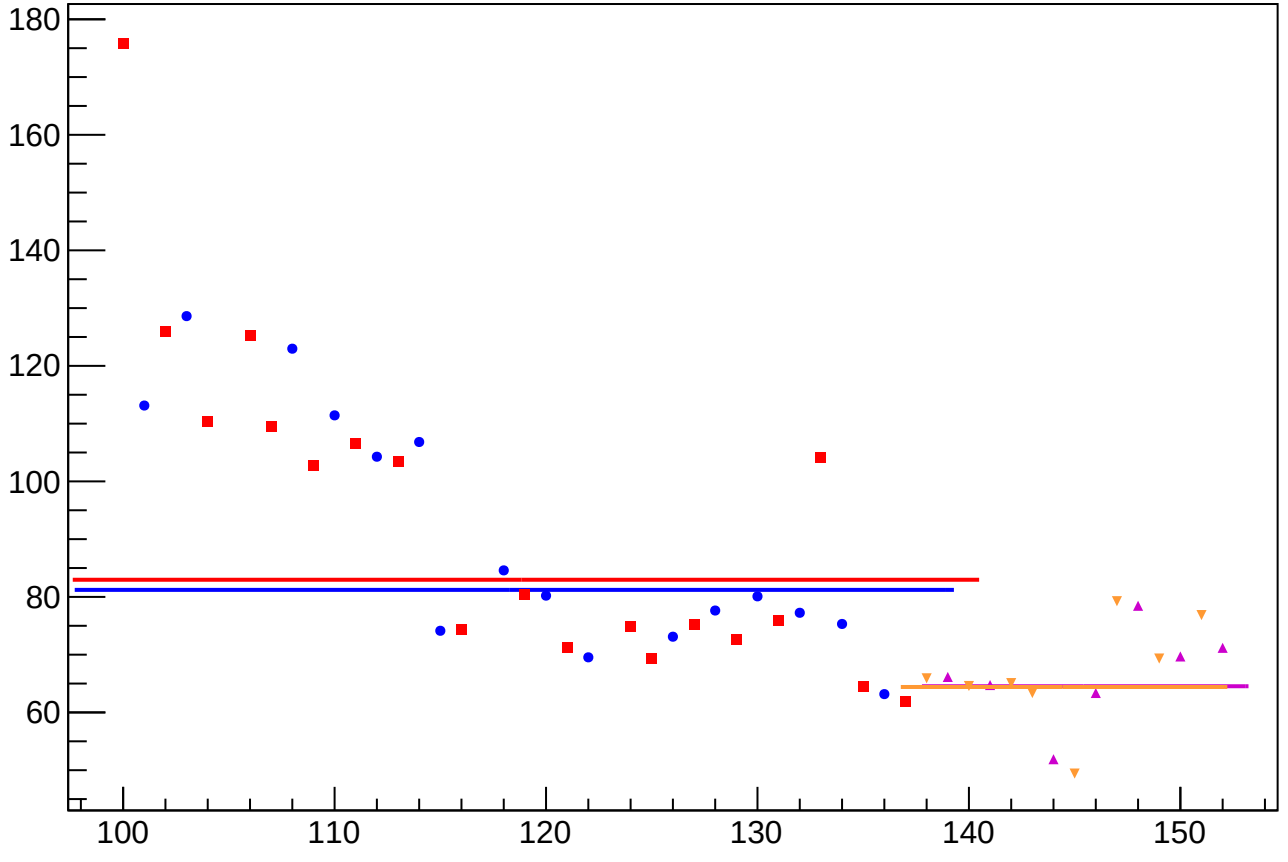
Left In: 39.971+/-26.704 χ^2/NDF:4.4/6

+ sign -58.548+/-20.065 χ^2/NDF: 33.5/23

All: -20.156+/-14.269 χ^2/NDF: 62.3/49

- sign 19.131+/-20.297 χ^2/NDF: 21.4/25

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 64.406+/-0.019 χ^2/NDF:252920.3/7

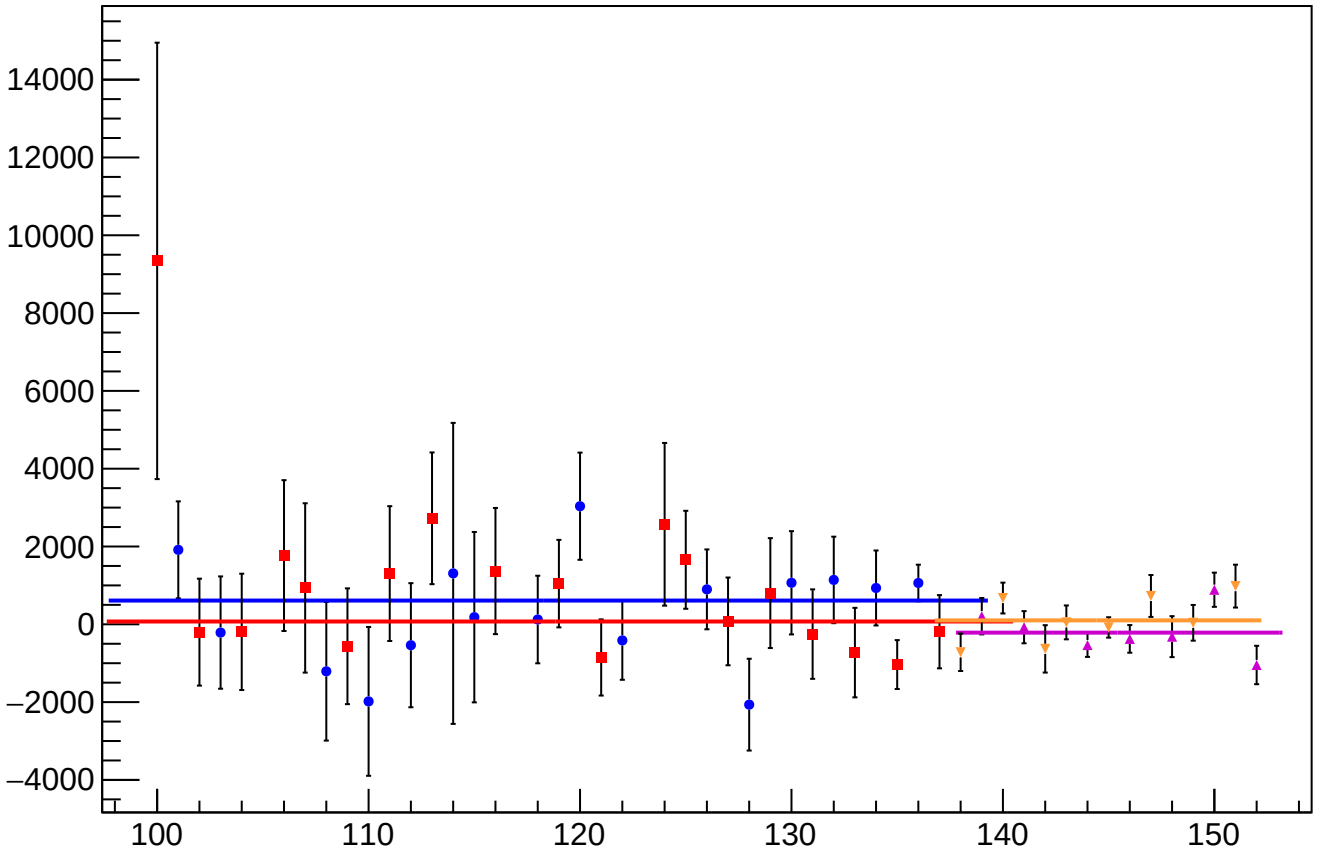
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 64.534+/-0.019 χ^2/NDF:182764.9/6

+ sign 71.421+/-0.014 χ^2/NDF: 1257169.1/23

All: 71.865+/-0.010 χ^2/NDF: 2574848.3/49

- sign 72.319+/-0.014 χ^2/NDF: 1315699.1/25



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 100.807+/-149.561 χ^2/NDF:10.9/7

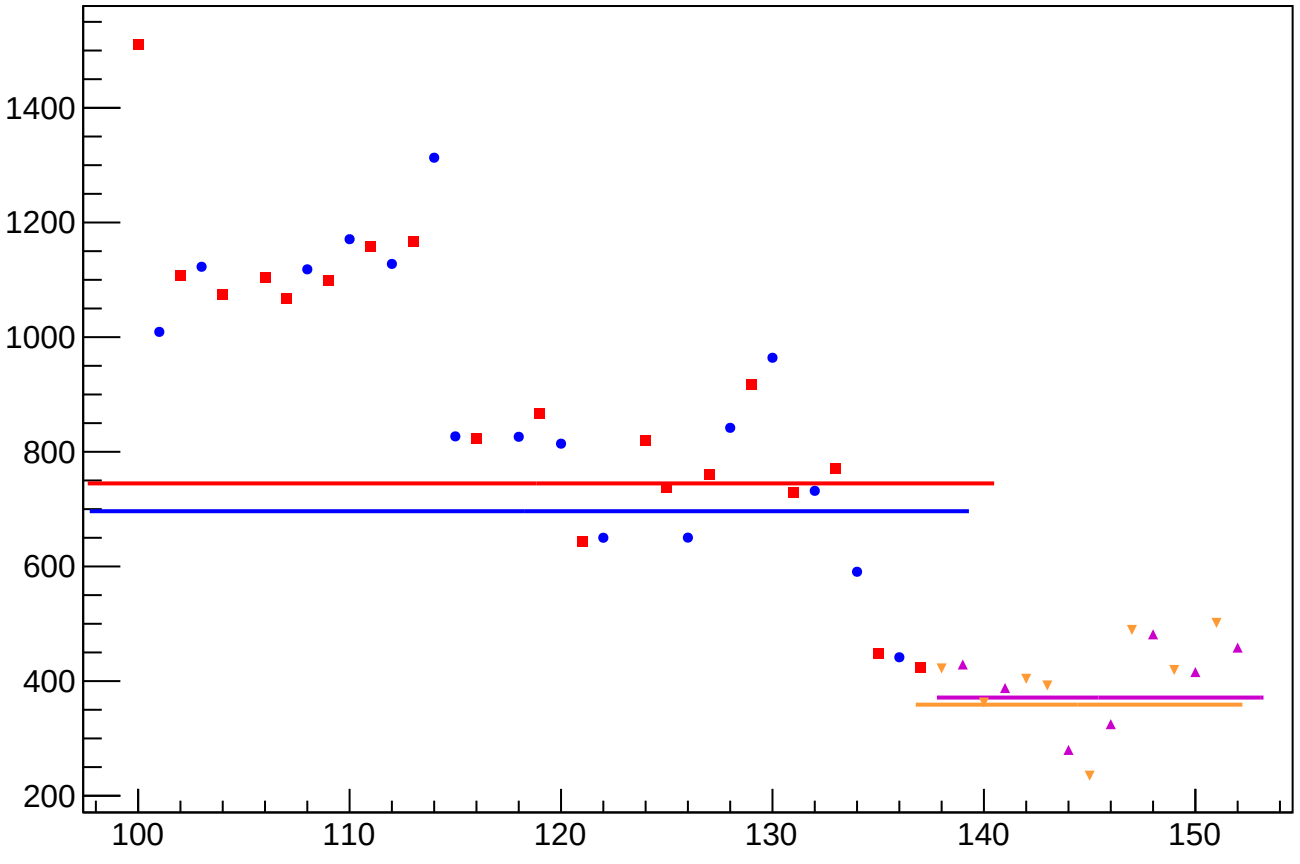
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -214.414+/-154.370 χ^2/NDF:11.4/6

\+ sign 217.793+/-131.276 χ^2/NDF: 29.4/23

All: 40.298+/-94.430 χ^2/NDF: 61.5/49

\- sign -150.016+/-135.933 χ^2/NDF: 28.4/25



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 358.929+/-0.106 χ^2/NDF:789769.9/7

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

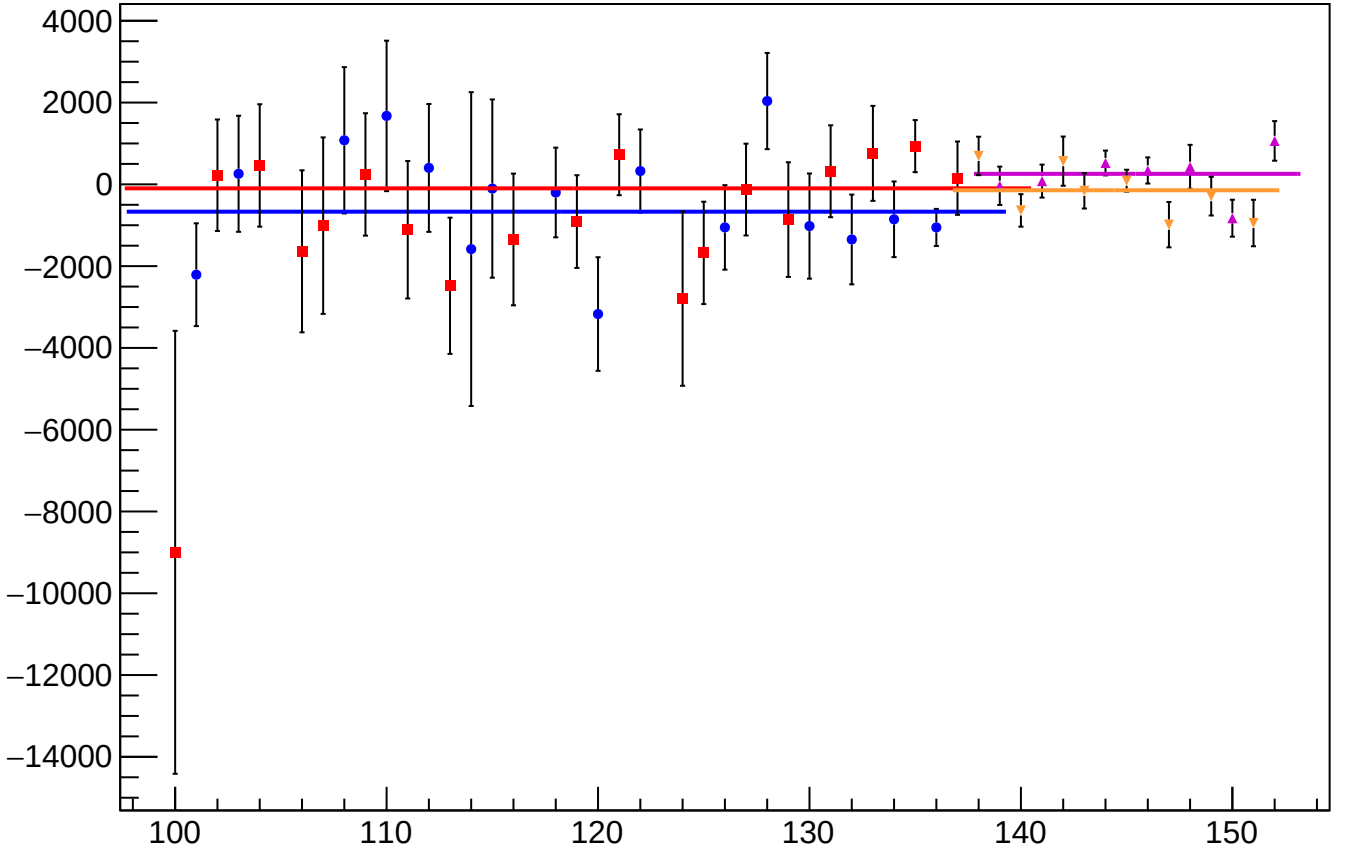
Left In: 371.307+/-0.109 χ^2/NDF:417468.3/6

+ sign 436.398+/-0.093 χ^2/NDF: 4642520.1/23

All: 445.476+/-0.067 χ^2/NDF: 9208698.2/49

- sign 455.209+/-0.096 χ^2/NDF: 4546359.5/25

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -144.876+/-151.269 χ^2/NDF:11.3/7

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

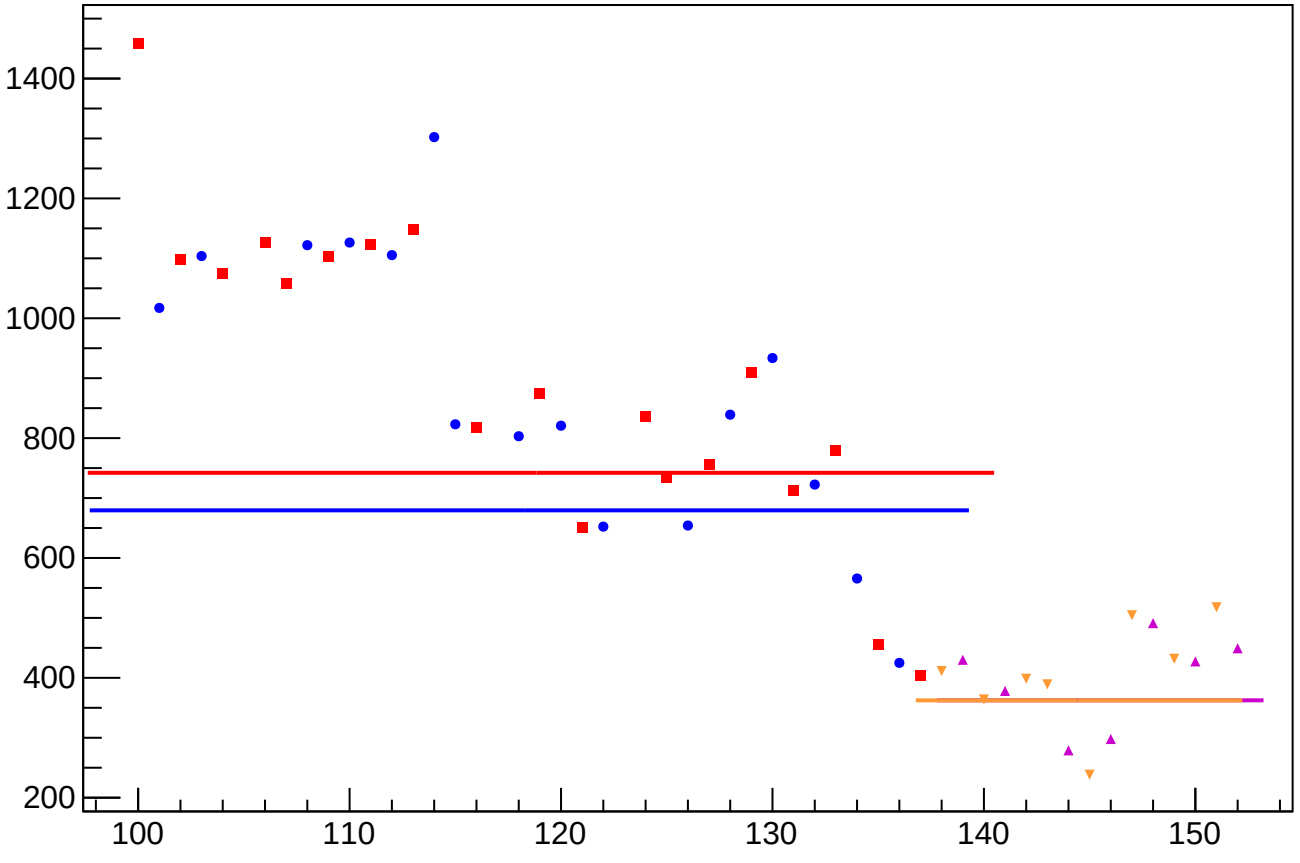
Left In: 256.751+/-150.777 χ^2/NDF:10.0/6

+ sign -271.067+/-131.787 χ^2/NDF: 30.3/23

All: -48.443+/-93.740 χ^2/NDF: 62.1/49

- sign 179.547+/-133.365 χ^2/NDF: 26.1/25

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 362.413+/-0.107 χ^2/NDF:788362.5/7

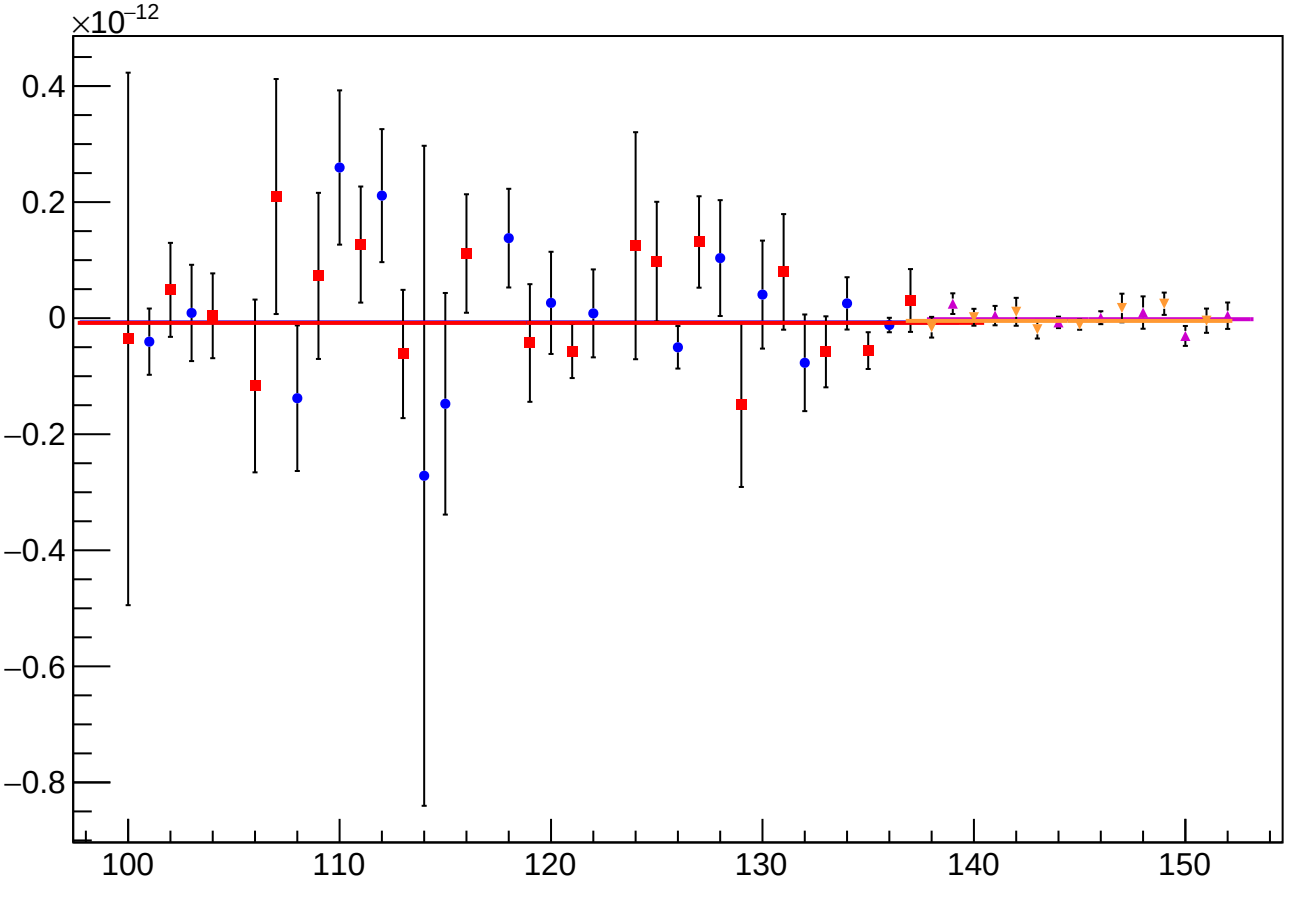
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 362.491+/-0.107 χ^2/NDF:498046.4/6

+ sign 438.822+/-0.093 χ^2/NDF: 4506725.2/23

All: 441.923+/-0.066 χ^2/NDF: 9270079.2/49

- sign 445.100+/-0.094 χ^2/NDF: 4761111.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.5/7

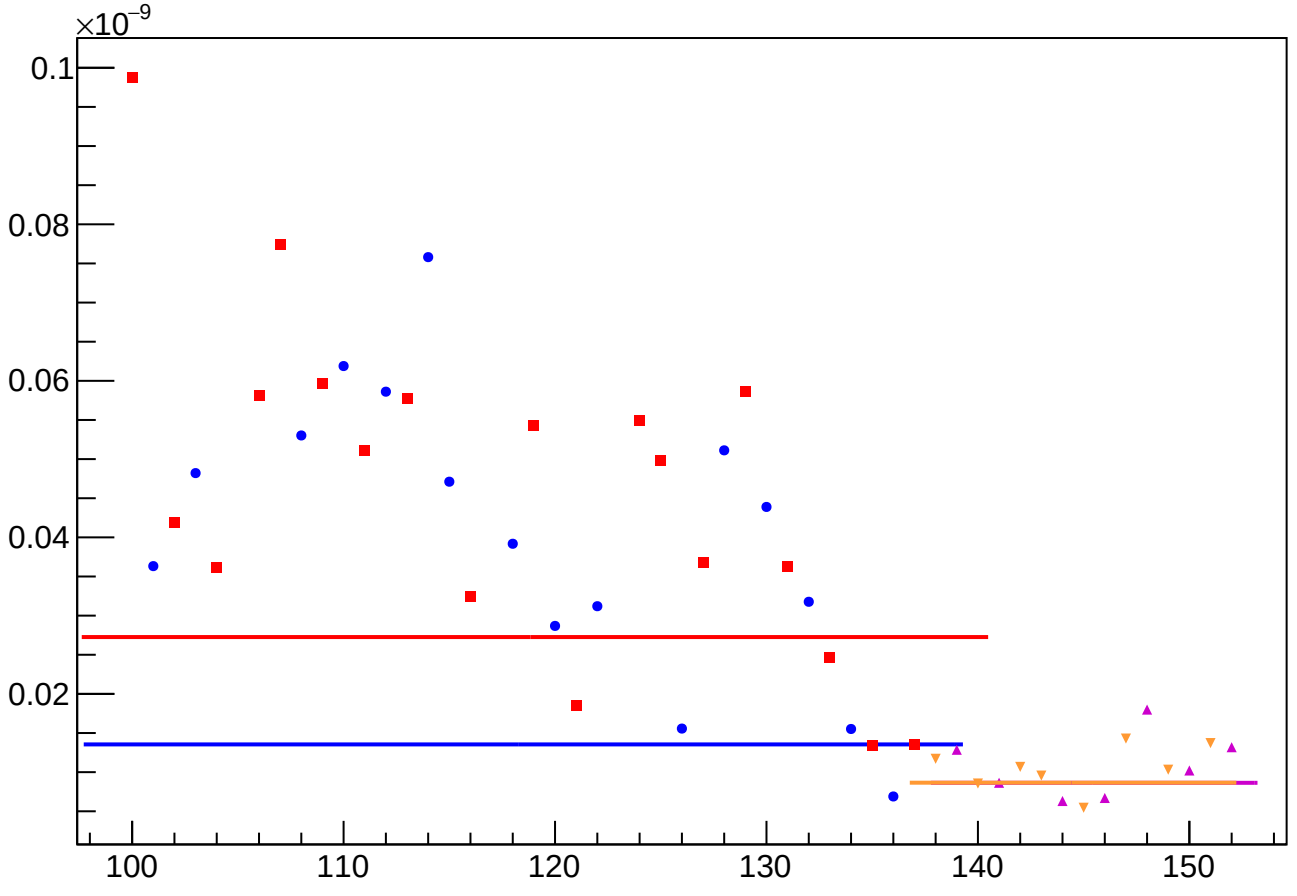
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.8/23

All: -0.000+/-0.000 χ^2/NDF: 45.9/49

- sign -0.000+/-0.000 χ^2/NDF: 23.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:581404.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

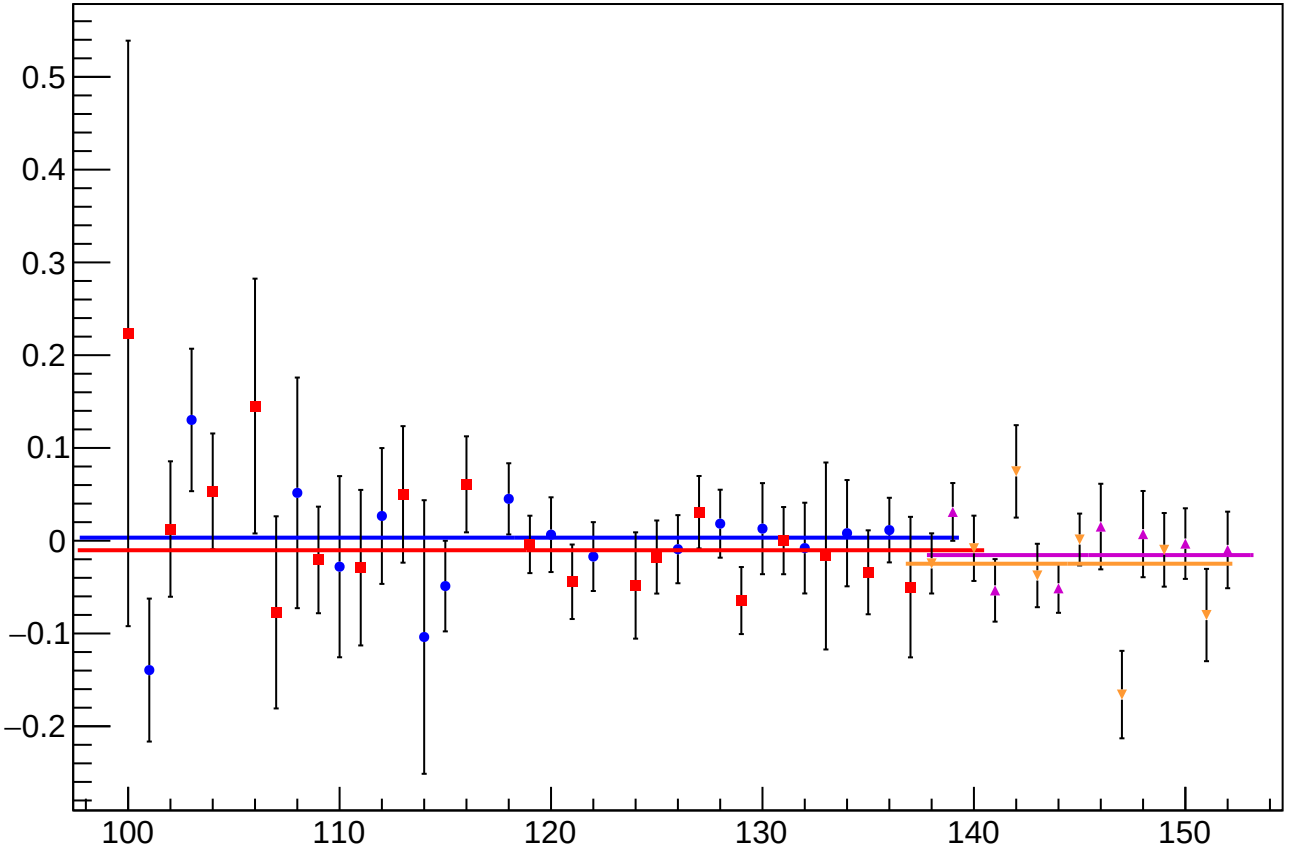
Left In: 0.000+/-0.000 χ^2/NDF:605901.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 3969467.3/23

All: 0.000+/-0.000 χ^2/NDF: 8423030.4/49

- sign 0.000+/-0.000 χ^2/NDF: 4434955.2/25

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: -0.025+/-0.013 χ^2/NDF:15.6/7

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

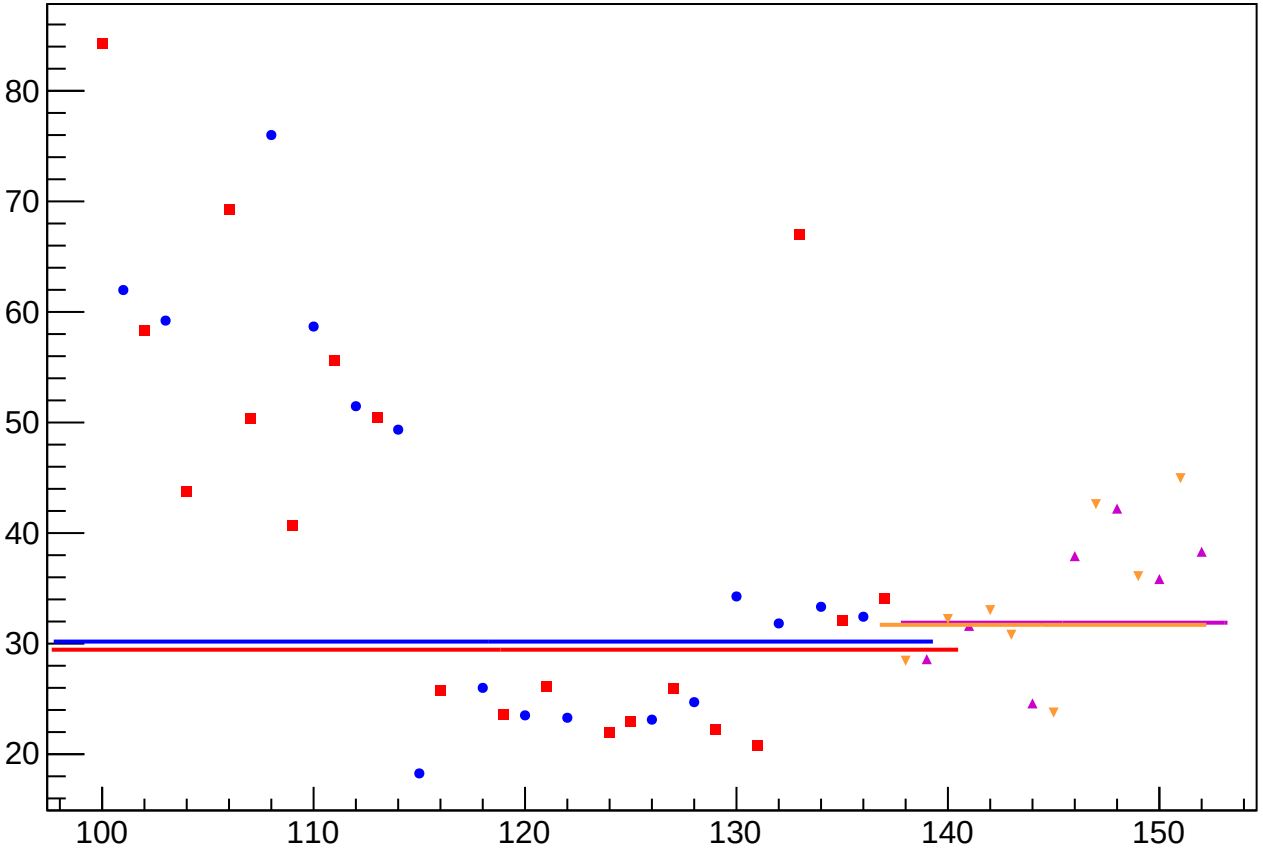
Left In: -0.015+/-0.013 χ^2/NDF:6.1/6

+ sign -0.010+/-0.009 χ^2/NDF: 28.1/23

All: -0.011+/-0.006 χ^2/NDF: 45.6/49

- sign -0.013+/-0.009 χ^2/NDF: 17.5/25

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.702+/-0.009 χ^2/NDF:458412.0/7

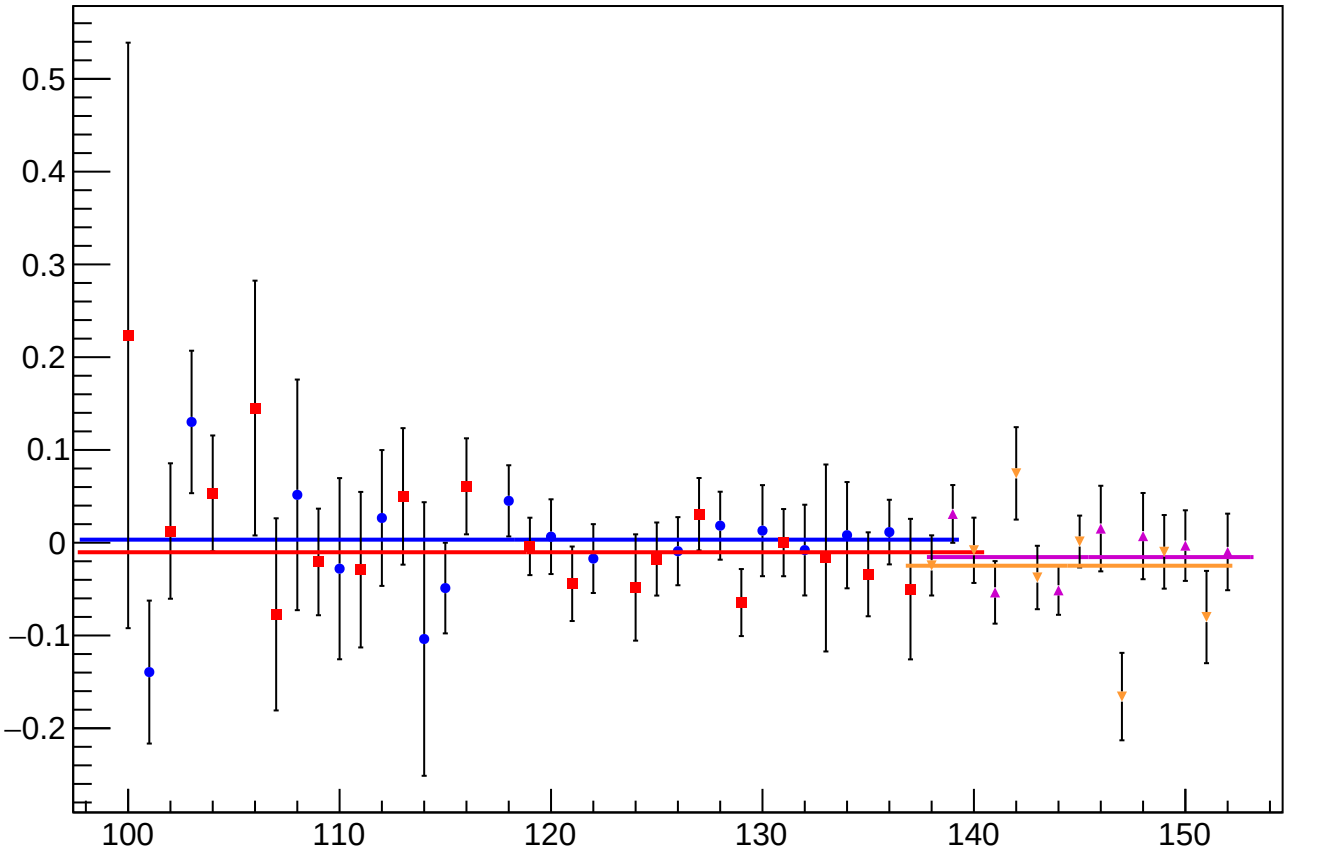
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

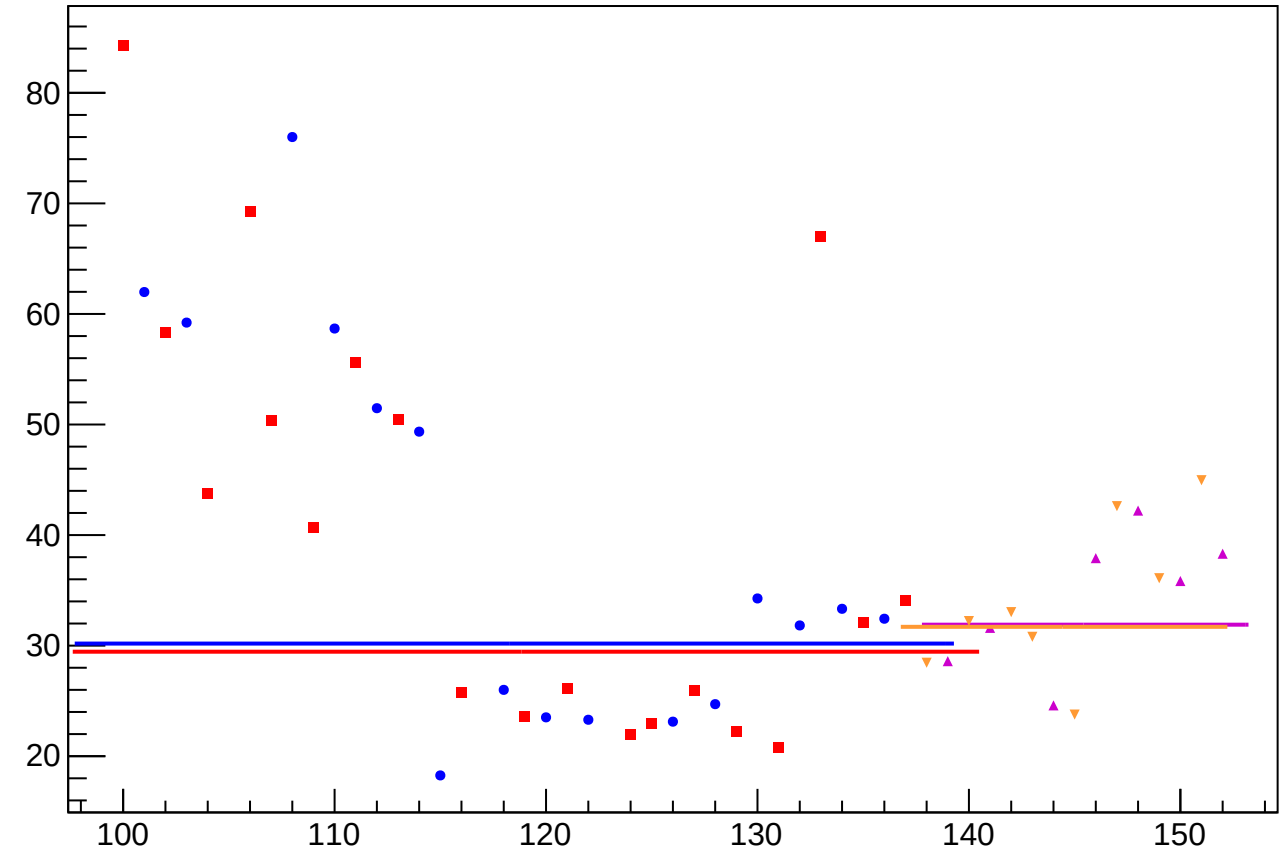
Left In: 31.895+/-0.009 χ^2/NDF:377677.9/6

+ sign 30.893+/-0.006 χ^2/NDF: 2159964.4/23

All: 30.703+/-0.004 χ^2/NDF: 4425396.7/49

- sign 30.519+/-0.006 χ^2/NDF: 2263674.7/25


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.025+/-0.013 χ²/NDF:15.6/7
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.015+/-0.013 χ²/NDF:6.1/6
+ sign -0.010+/-0.009 χ²/NDF: 28.1/23
All: -0.011+/-0.006 χ²/NDF: 45.6/49
- sign -0.013+/-0.009 χ²/NDF: 17.5/25



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.702+/-0.009 χ^2/NDF:458412.0/7

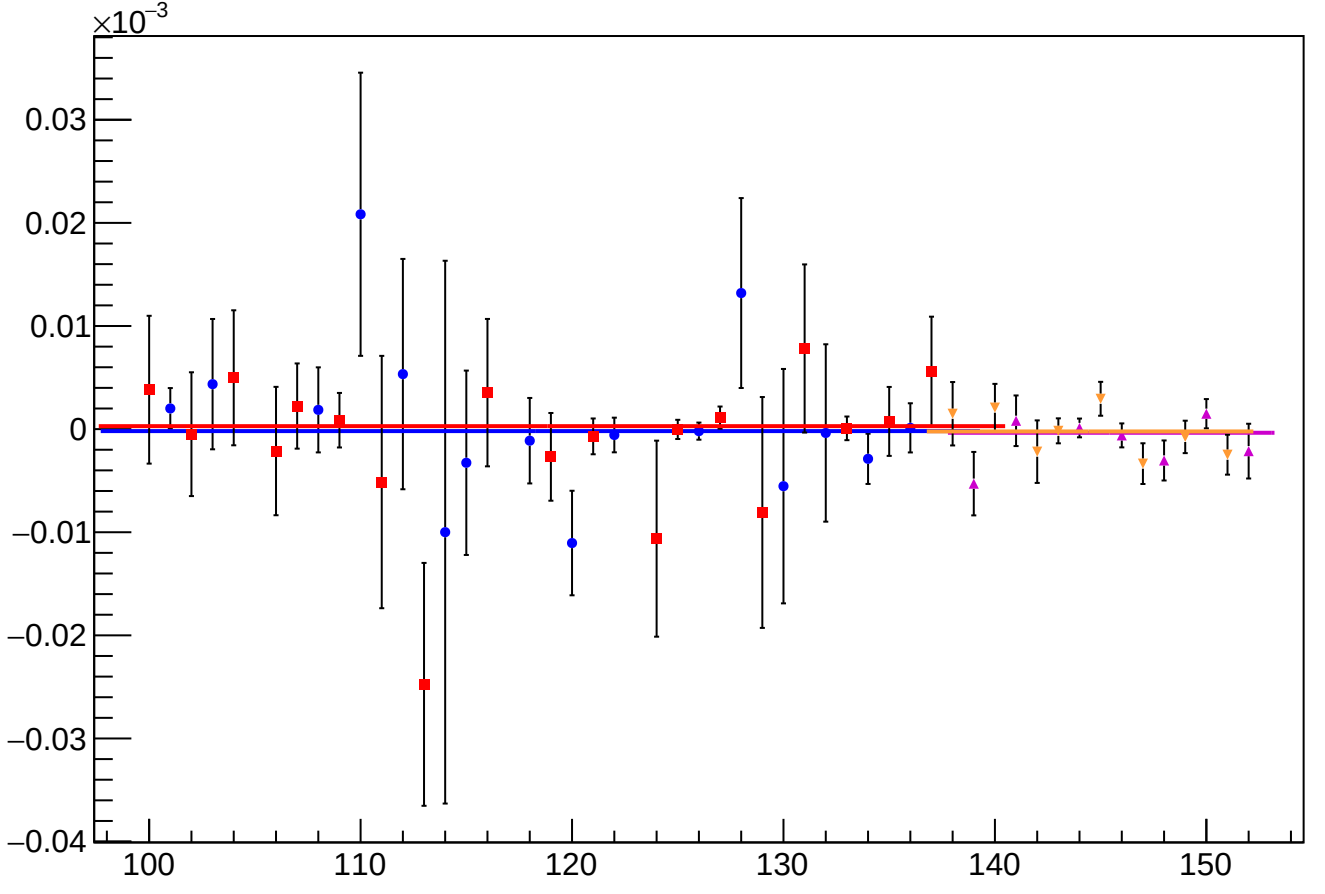
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.895+/-0.009 χ^2/NDF:377677.9/6

+ sign 30.893+/-0.006 χ^2/NDF: 2159964.4/23

All: 30.703+/-0.004 χ^2/NDF: 4425396.7/49

- sign 30.519+/-0.006 χ^2/NDF: 2263674.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.4/7

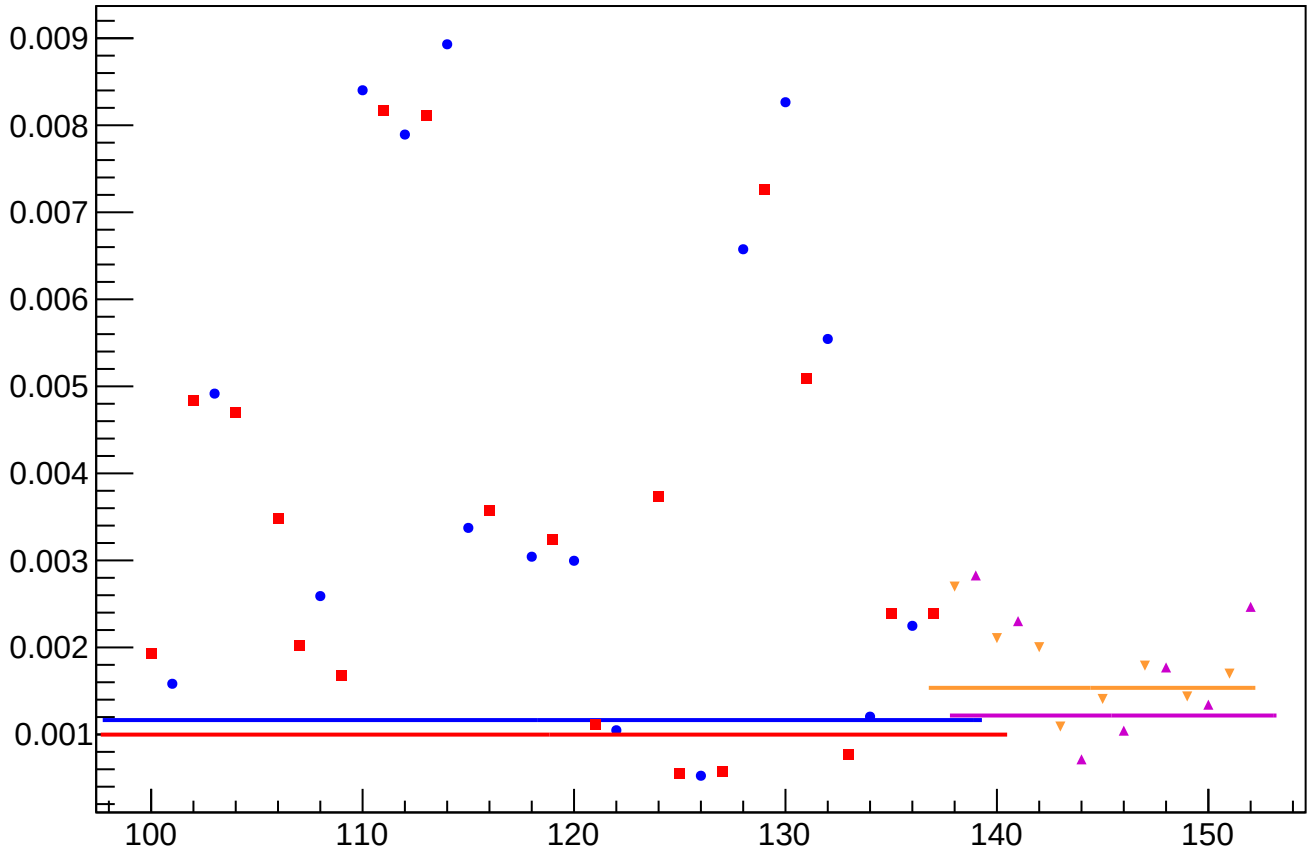
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/23

All: -0.000+/-0.000 χ^2/NDF: 41.9/49

- sign -0.000+/-0.000 χ^2/NDF: 19.3/25



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:793844.8/7

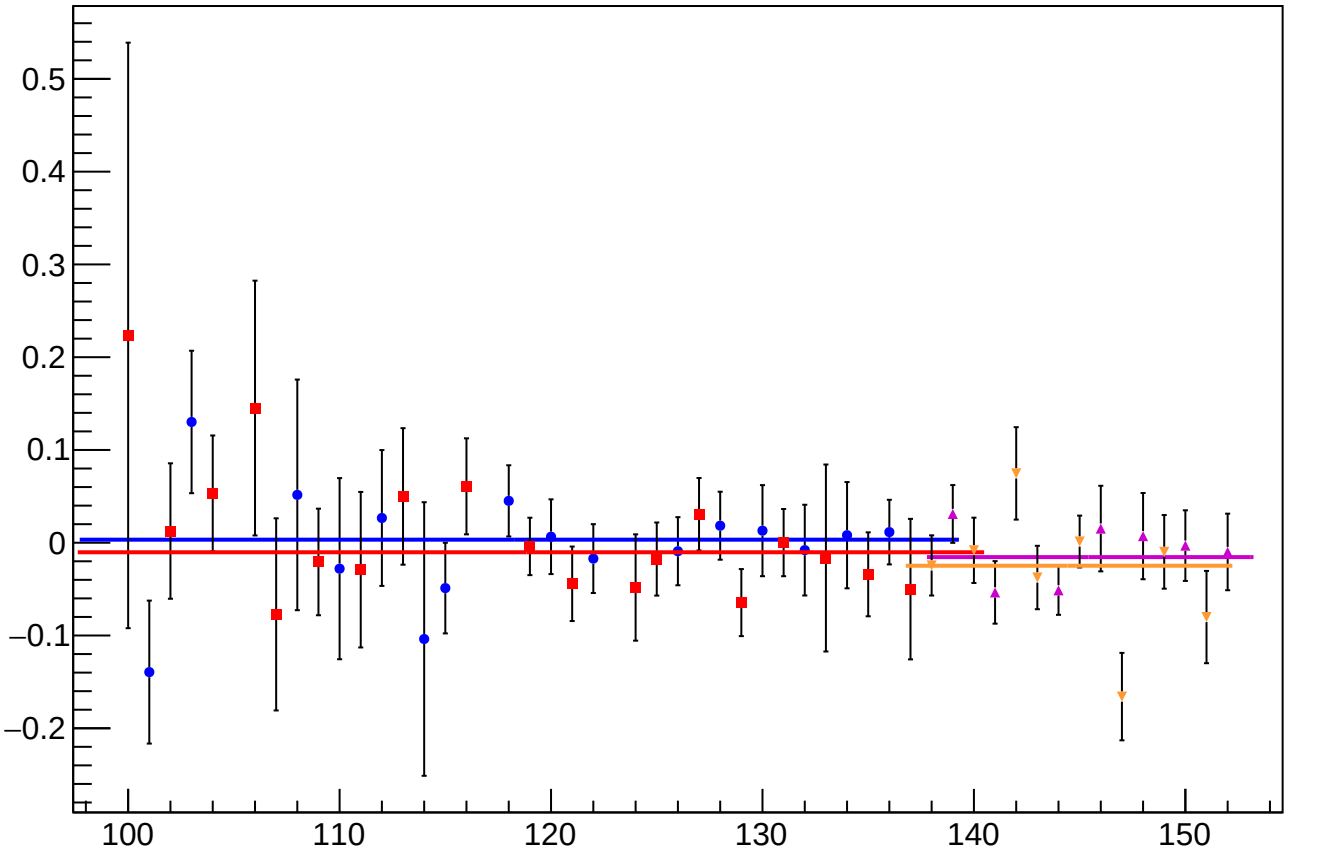
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2214150.6/6

+ sign 0.001+/-0.000 χ^2/NDF: 8019703.1/23

All: 0.001+/-0.000 χ^2/NDF: 17670127.9/49

- sign 0.001+/-0.000 χ^2/NDF: 9313586.9/25



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.025+/-0.013 χ^2/NDF:15.6/7

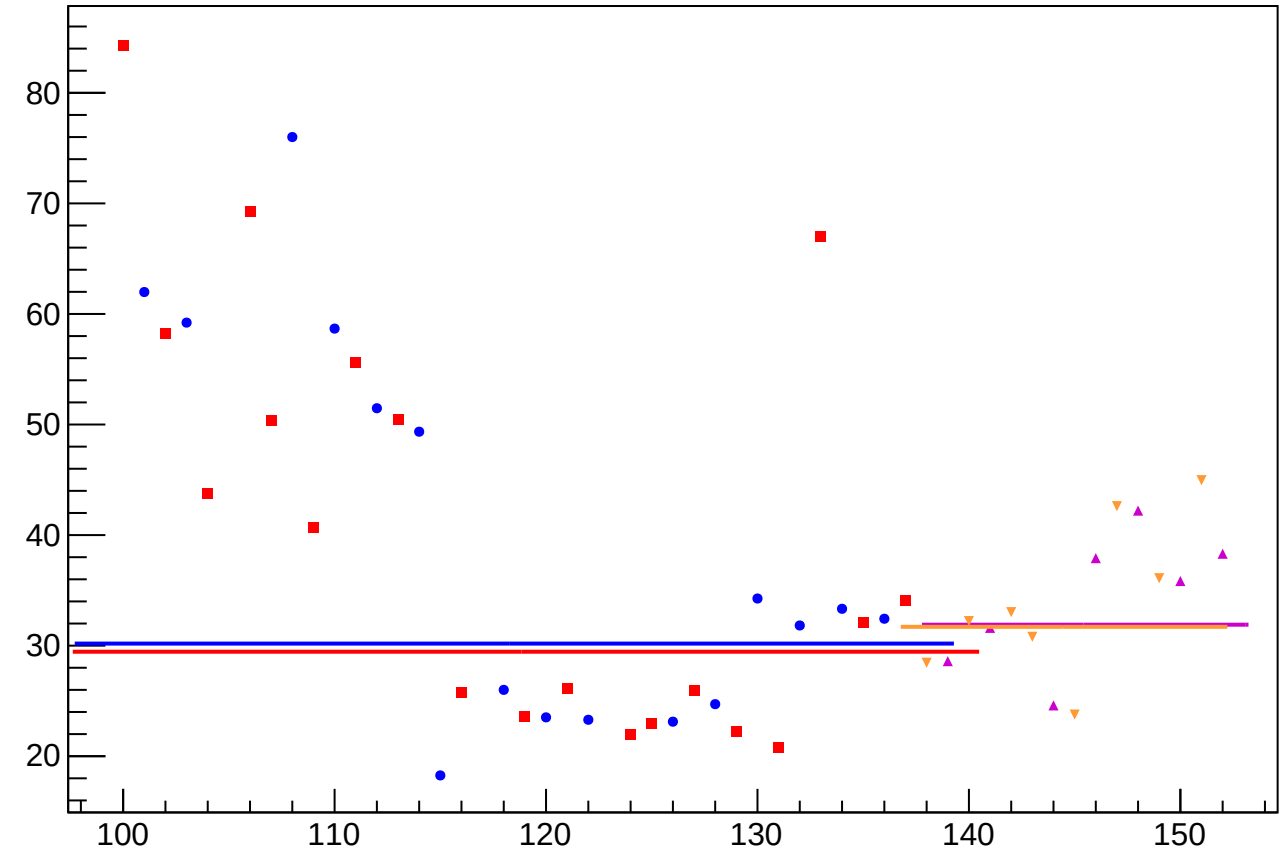
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.015+/-0.013 χ^2/NDF:6.1/6

+ sign -0.010+/-0.009 χ^2/NDF: 28.1/23

All: -0.011+/-0.006 χ^2/NDF: 45.6/49

- sign -0.013+/-0.009 χ^2/NDF: 17.5/25



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.702+/-0.009 χ^2/NDF:458388.3/7

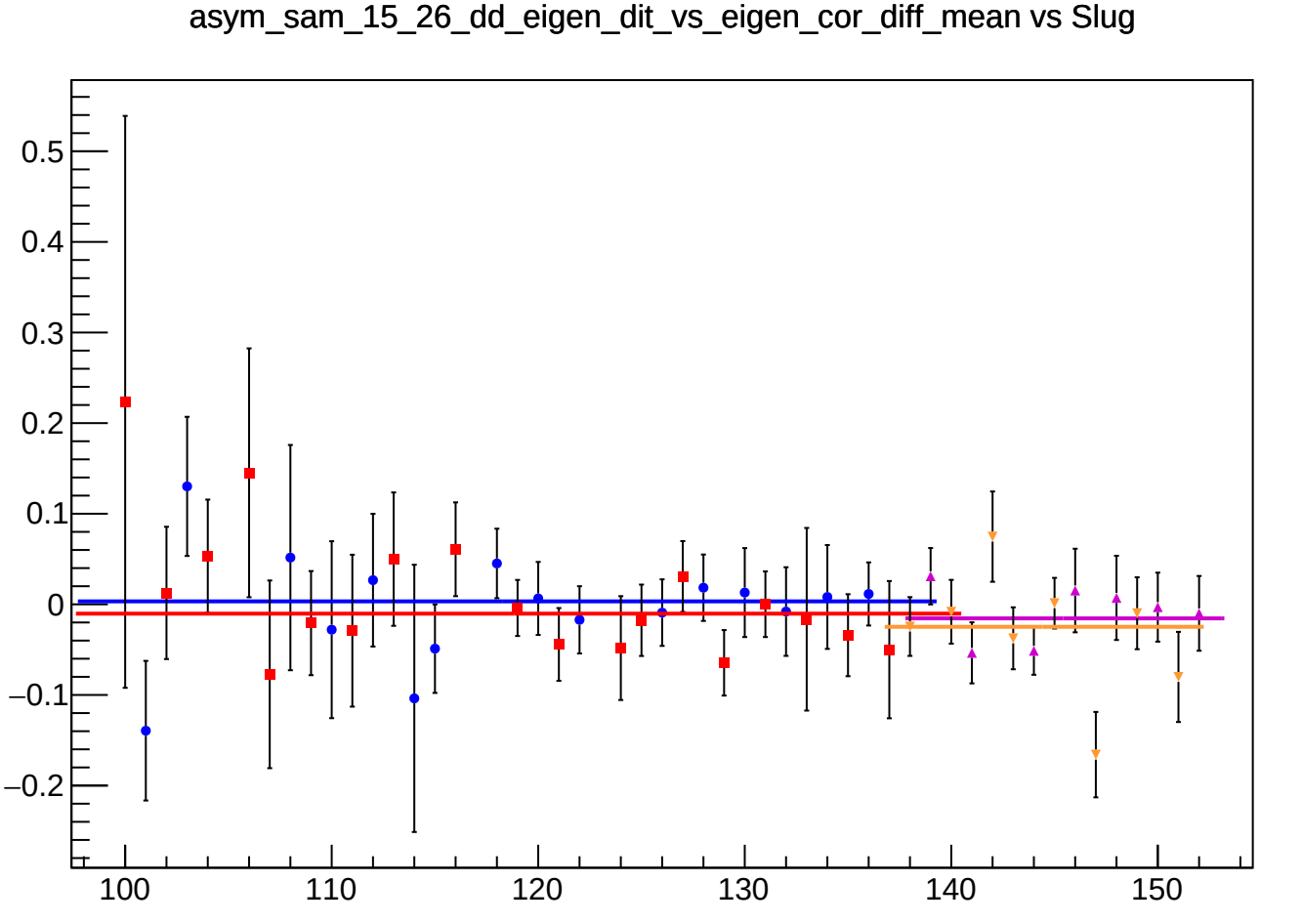
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

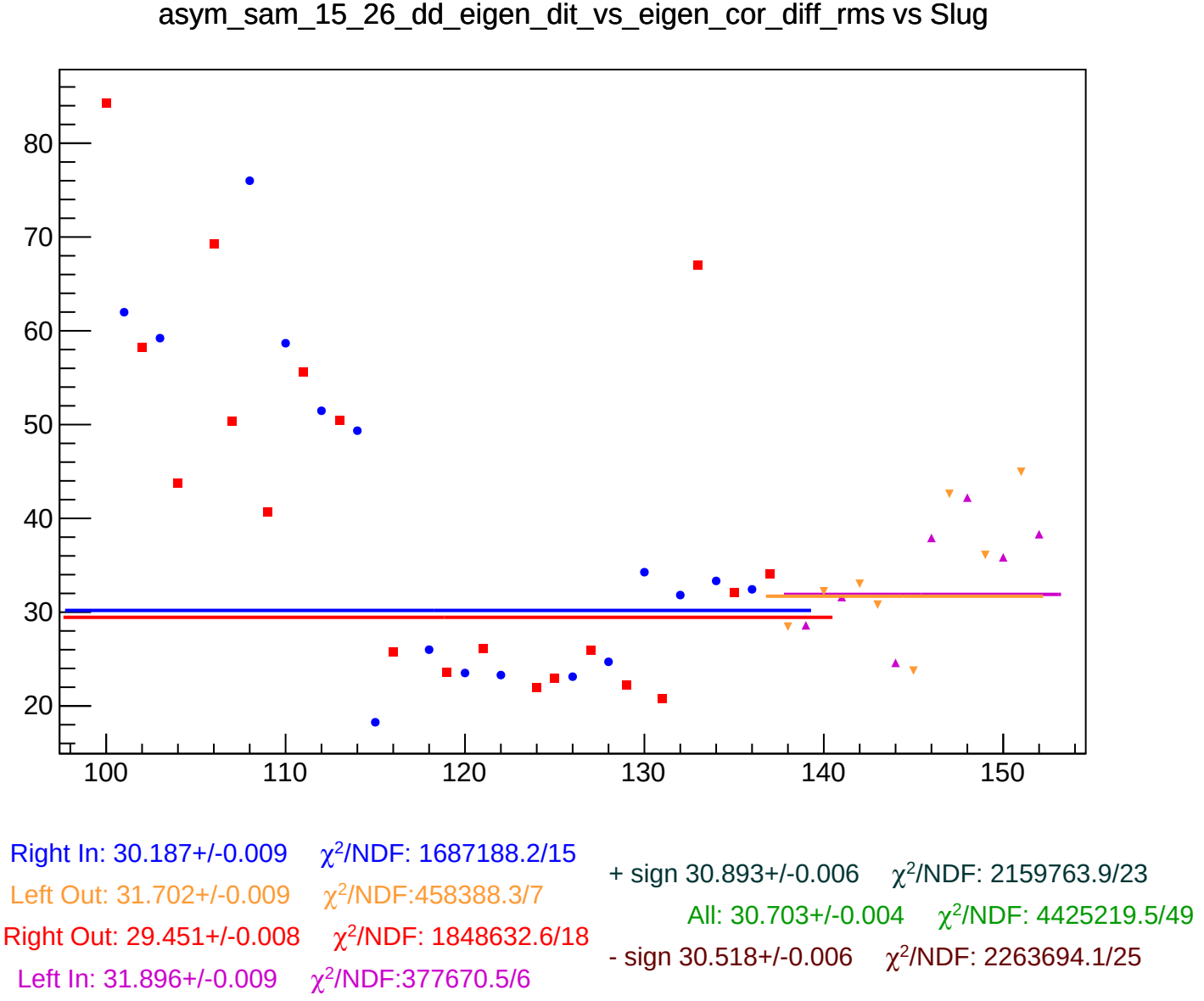
Left In: 31.896+/-0.009 χ^2/NDF:377670.5/6

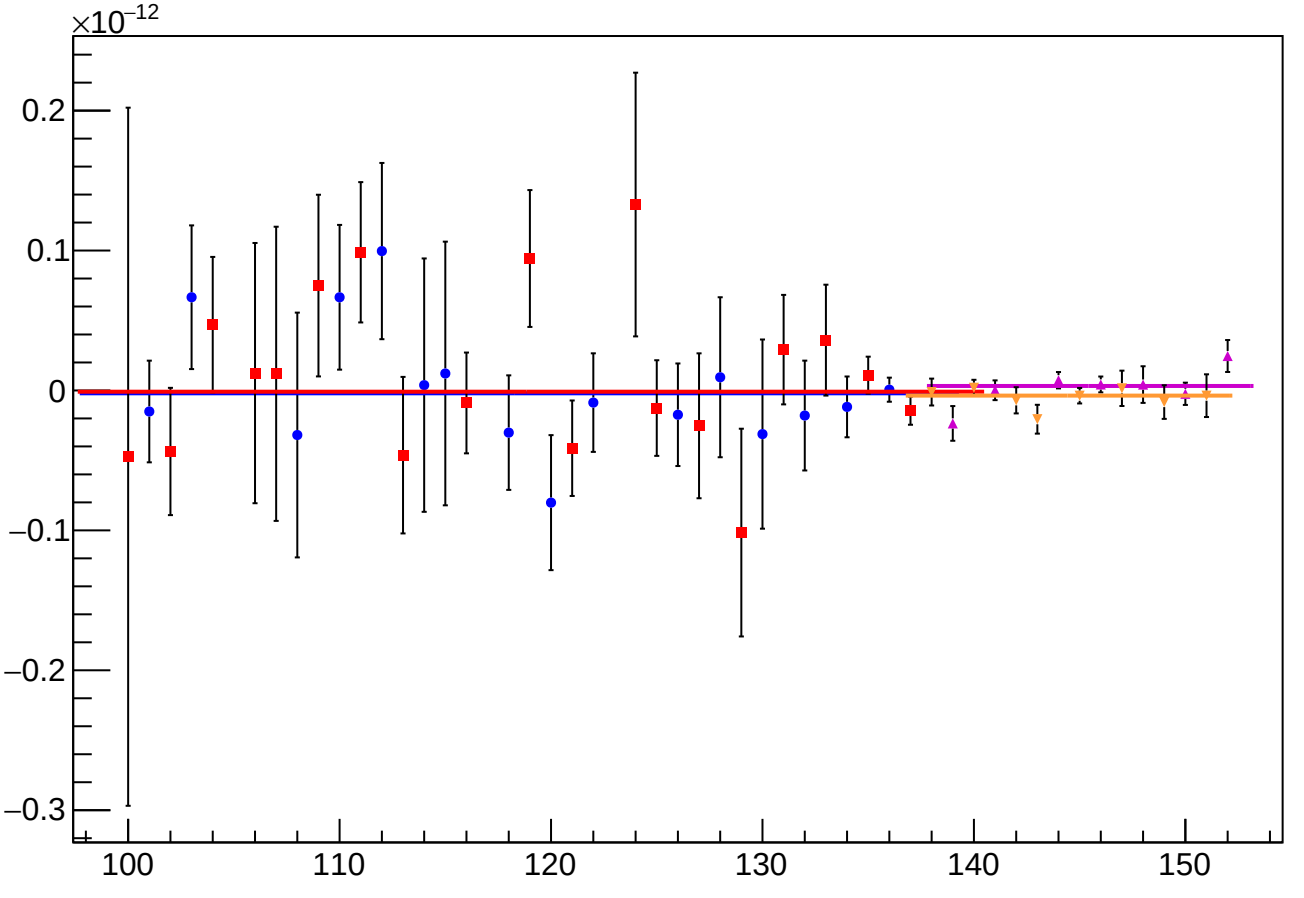
+ sign 30.893+/-0.006 χ^2/NDF: 2159763.9/23

All: 30.703+/-0.004 χ^2/NDF: 4425219.5/49

- sign 30.518+/-0.006 χ^2/NDF: 2263694.1/25


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.025+/-0.013 χ²/NDF:15.6/7
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.015+/-0.013 χ²/NDF:6.1/6
+ sign -0.010+/-0.009 χ²/NDF: 28.1/23
All: -0.011+/-0.006 χ²/NDF: 45.6/49
- sign -0.013+/-0.009 χ²/NDF: 17.5/25


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 31.702+/-0.009 χ²/NDF:458388.3/7
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 31.896+/-0.009 χ²/NDF:377670.5/6
+ sign 30.893+/-0.006 χ²/NDF: 2159763.9/23
All: 30.703+/-0.004 χ²/NDF: 4425219.5/49
- sign 30.518+/-0.006 χ²/NDF: 2263694.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/7

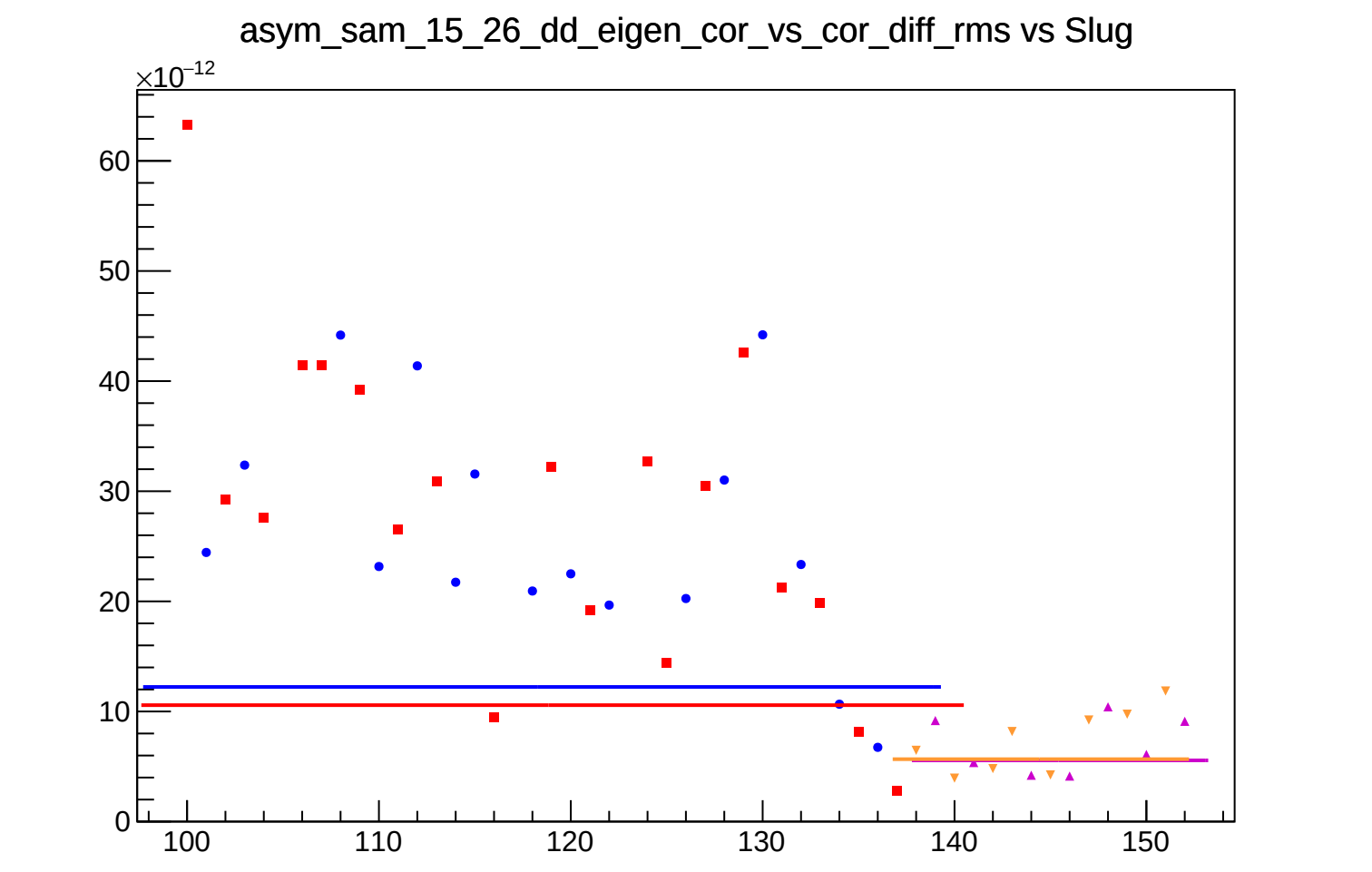
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/6

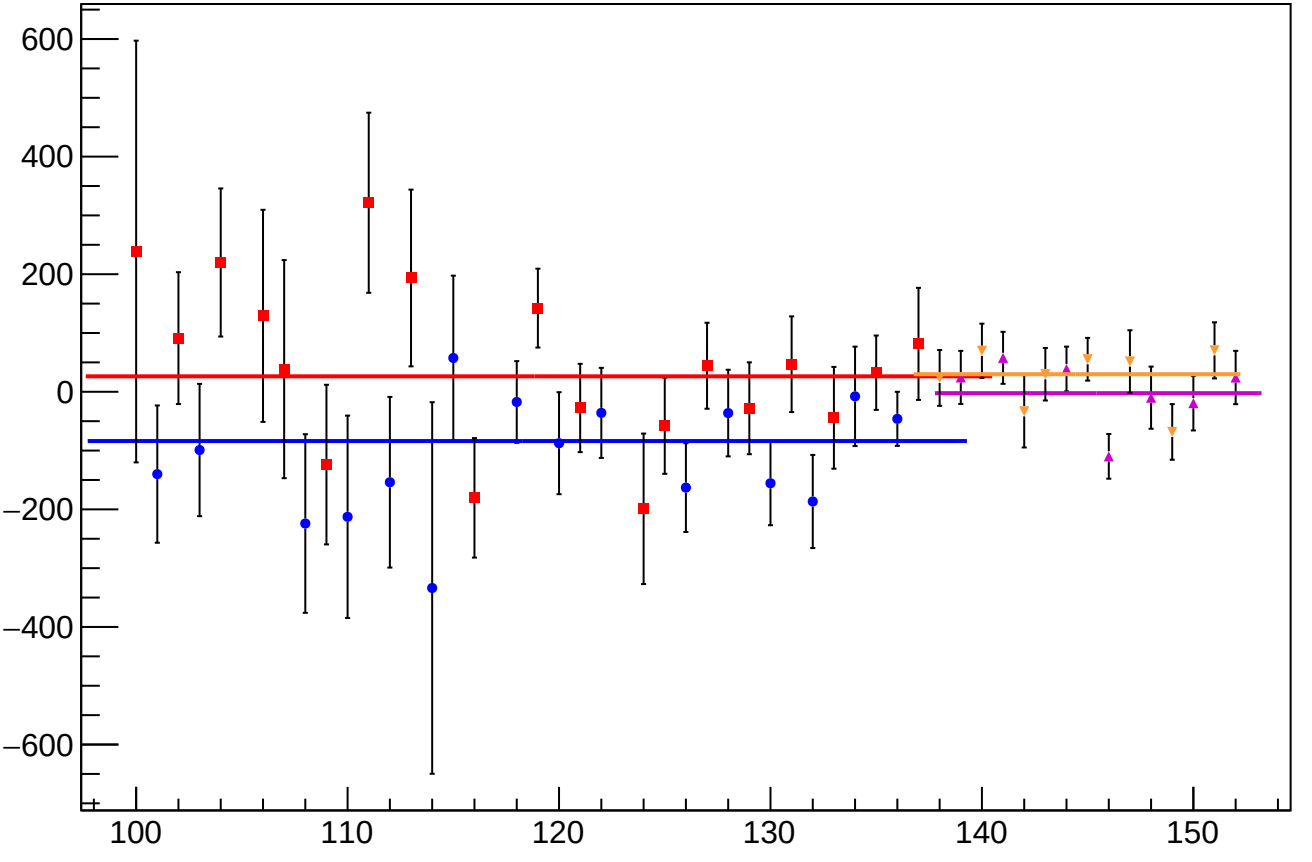
+ sign -0.000+/-0.000 χ^2/NDF: 14.6/23

All: -0.000+/-0.000 χ^2/NDF: 48.2/49

- sign 0.000+/-0.000 χ^2/NDF: 31.1/25


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:1184577.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:883127.6/6
+ sign 0.000+/-0.000 χ²/NDF: 6175795.3/23
All: 0.000+/-0.000 χ²/NDF: 12795444.5/49
- sign 0.000+/-0.000 χ²/NDF: 6603143.5/25

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.922+/-16.494 χ^2/NDF:7.5/7

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

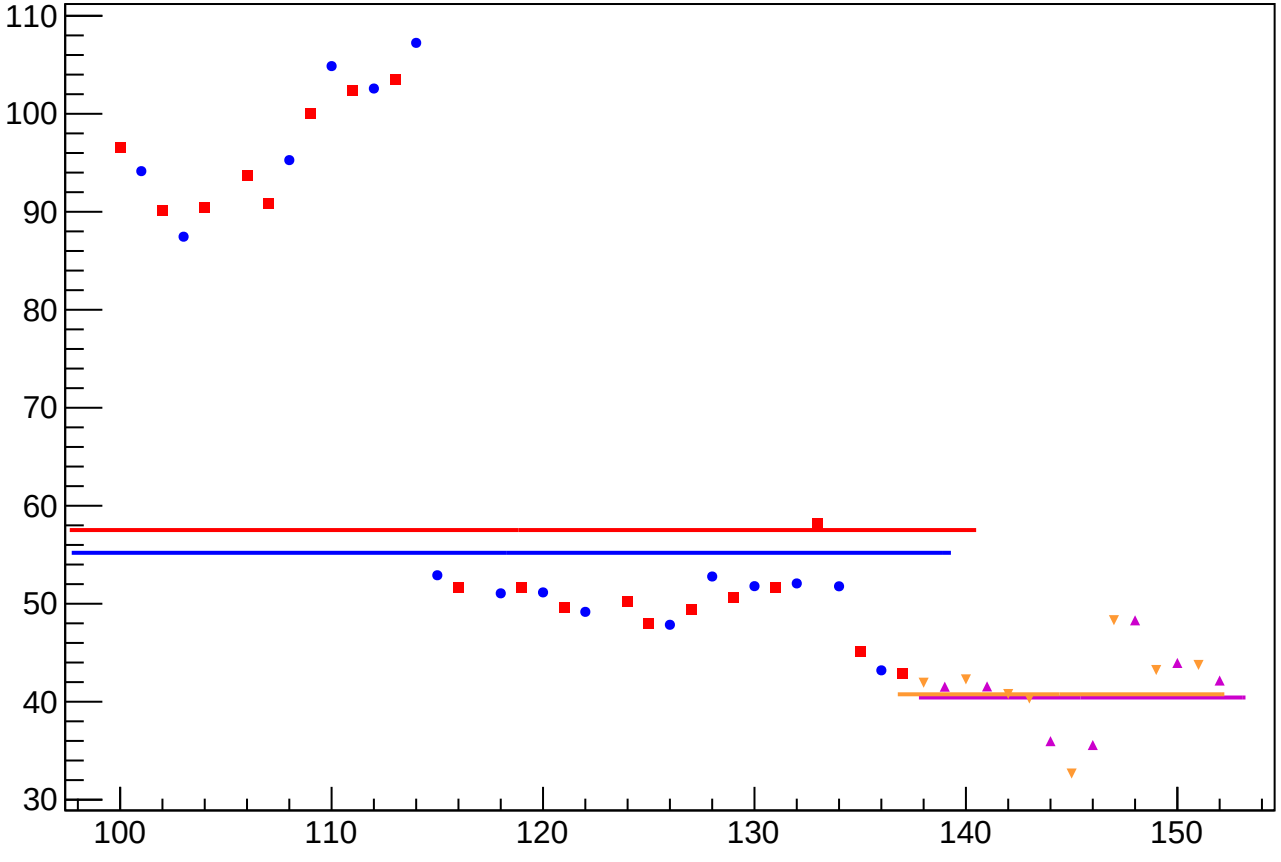
Left In: -2.334+/-16.460 χ^2/NDF:11.9/6

+ sign -12.376+/-13.072 χ^2/NDF: 35.7/23

All: -2.331+/-9.286 χ^2/NDF: 72.8/49

- sign 7.903+/-13.194 χ^2/NDF: 35.9/25

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.757+/-0.012 χ^2/NDF:156554.4/7

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

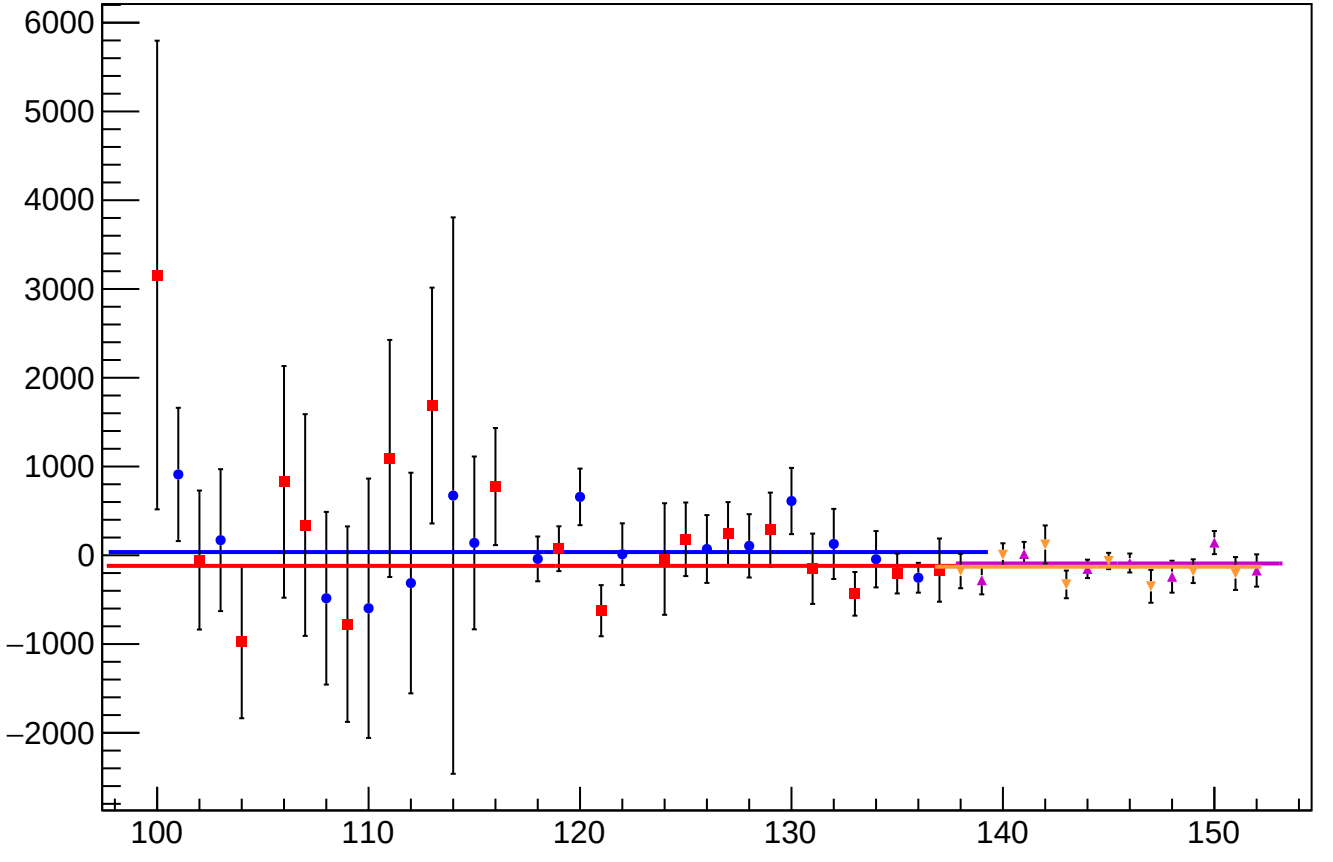
Left In: 40.430+/-0.012 χ^2/NDF:121238.9/6

+ sign 46.128+/-0.009 χ^2/NDF: 1879281.8/23

All: 46.332+/-0.007 χ^2/NDF: 4053939.3/49

- sign 46.539+/-0.009 χ^2/NDF: 2173675.4/25

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -128.801+/-51.176 χ^2/NDF:6.3/7

Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

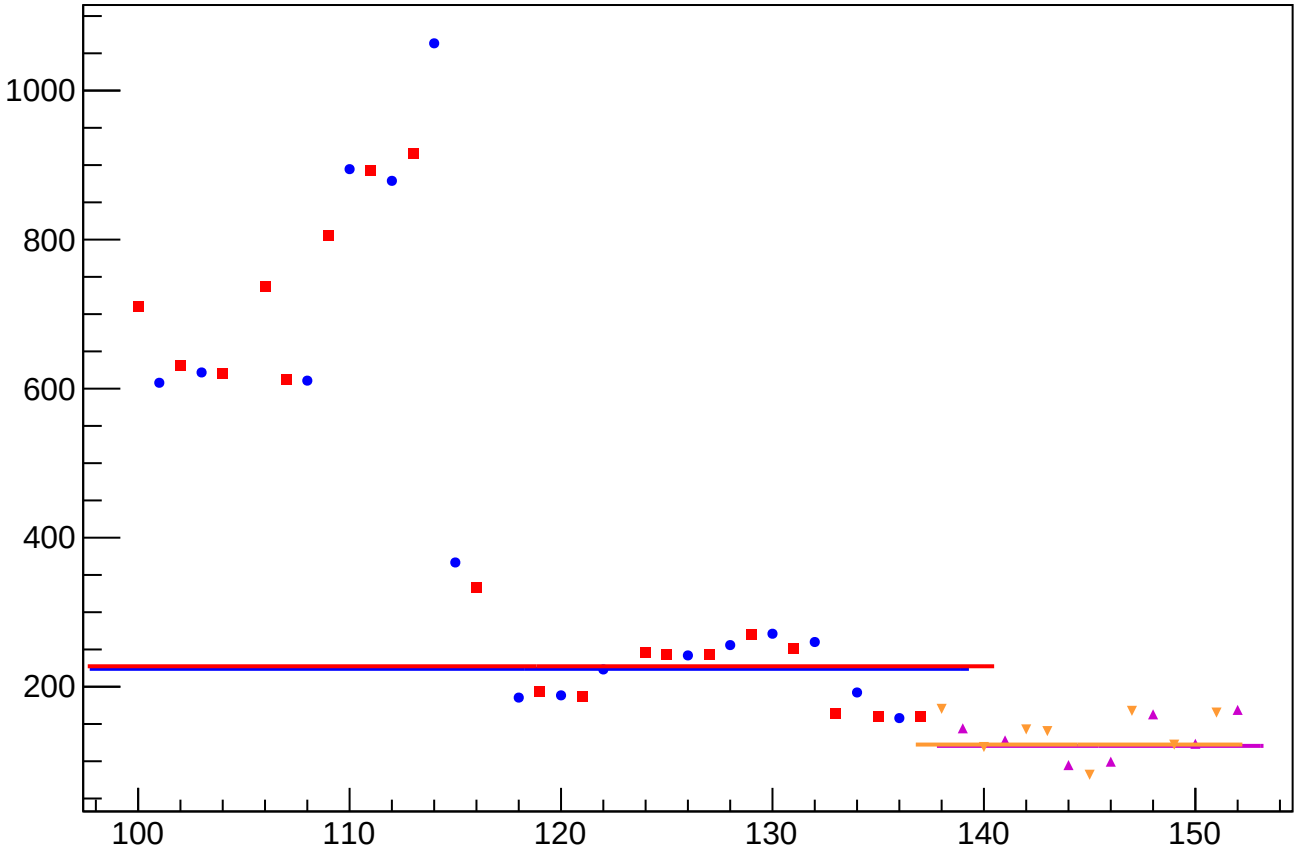
Left In: -92.257+/-50.389 χ^2/NDF:6.5/6

\+ sign -90.775+/-44.899 χ^2/NDF: 20.1/23

All: -94.454+/-31.642 χ^2/NDF: 42.7/49

\- sign -98.085+/-44.599 χ^2/NDF: 22.6/25

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 122.399+/-0.036 χ^2/NDF:786370.6/7

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

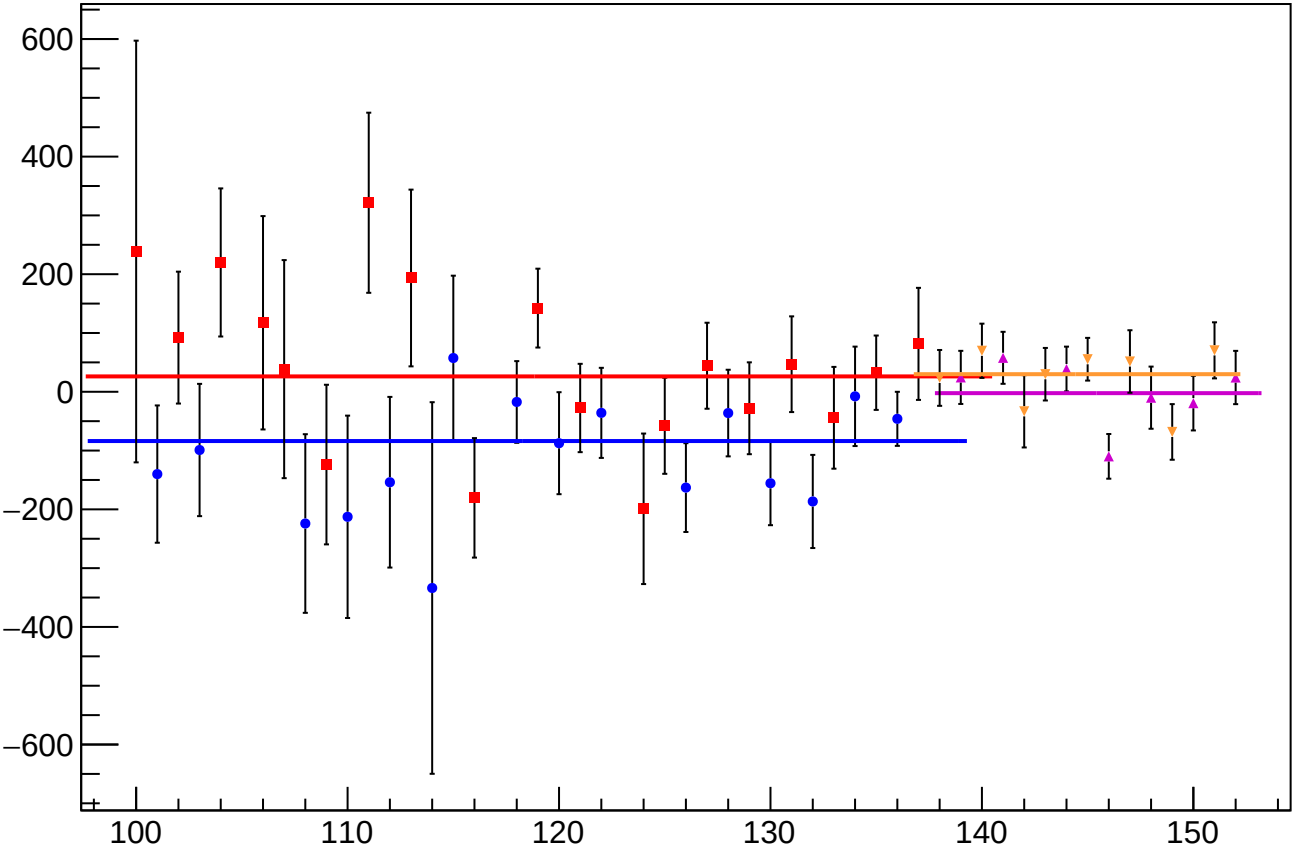
Left In: 120.617+/-0.036 χ^2/NDF:504916.8/6

+ sign 145.805+/-0.032 χ^2/NDF: 5571232.0/23

All: 144.773+/-0.022 χ^2/NDF: 11666078.4/49

- sign 143.755+/-0.032 χ^2/NDF: 6092747.3/25

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.921+/-16.494 χ^2/NDF:7.5/7

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

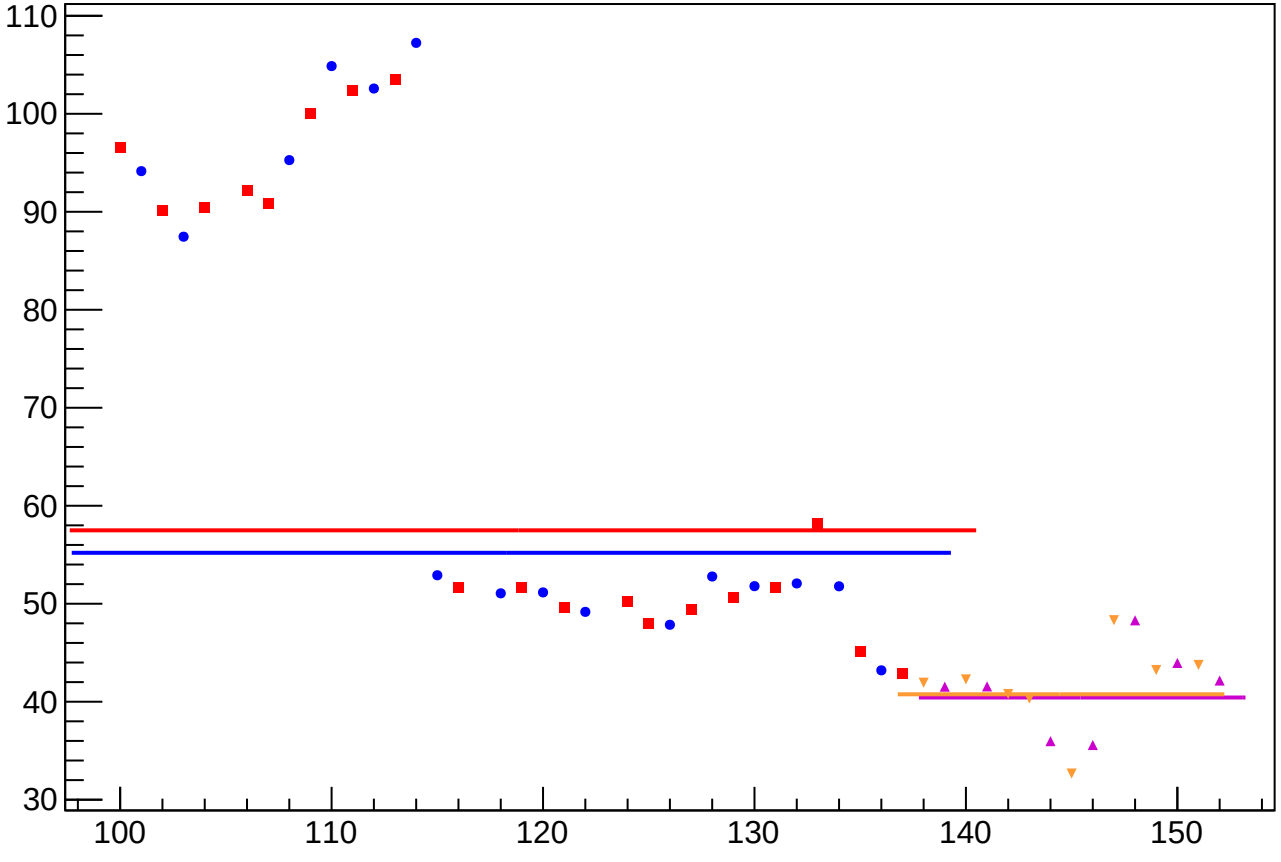
Left In: -2.335+/-16.460 χ^2/NDF:11.9/6

+ sign -12.375+/-13.072 χ^2/NDF: 35.7/23

All: -2.360+/-9.286 χ^2/NDF: 72.8/49

- sign 7.844+/-13.194 χ^2/NDF: 35.8/25

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.757+/-0.012 χ^2/NDF:156554.4/7

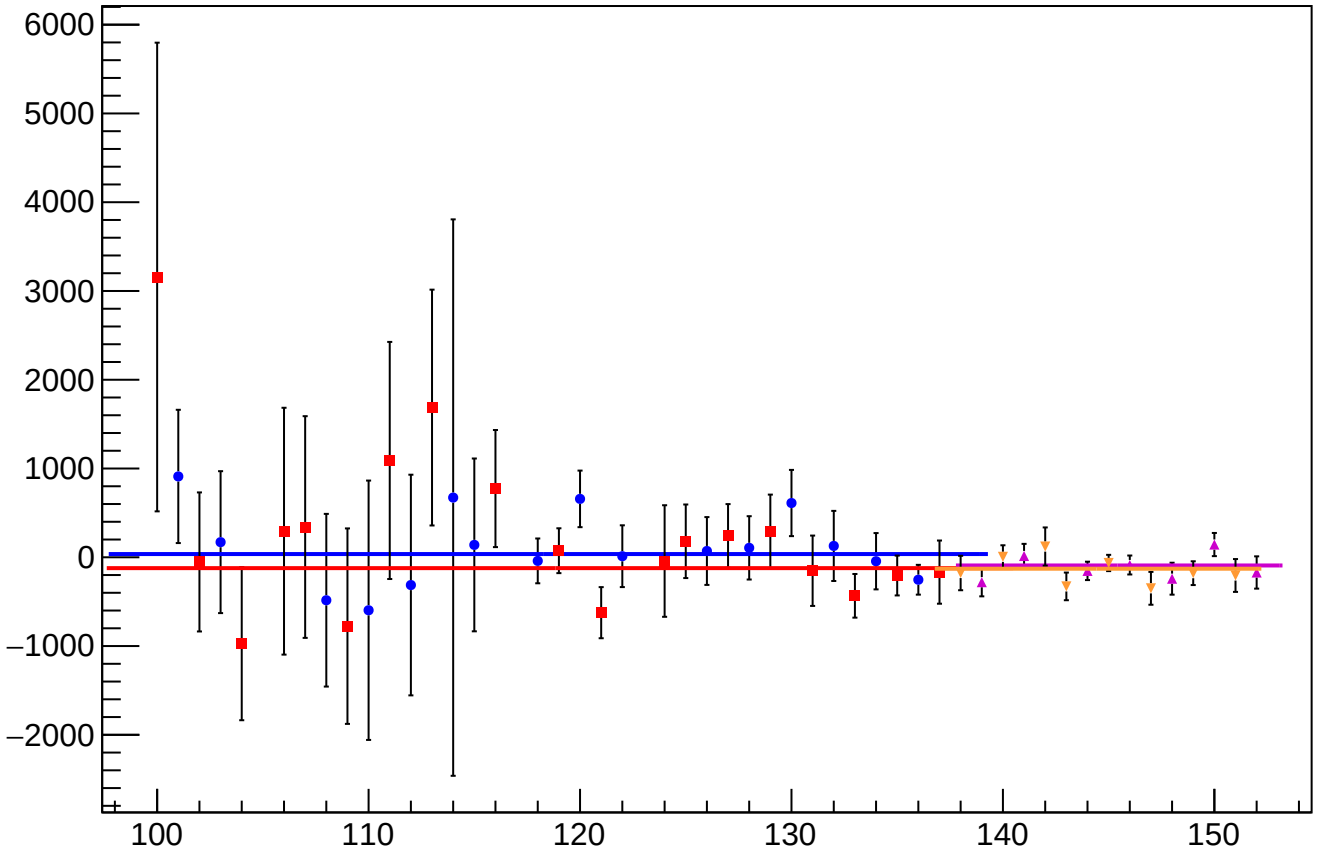
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.430+/-0.012 χ^2/NDF:121238.9/6

+ sign 46.128+/-0.009 χ^2/NDF: 1879282.1/23

All: 46.326+/-0.007 χ^2/NDF: 4043785.2/49

- sign 46.528+/-0.009 χ^2/NDF: 2163573.2/25



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -128.802+/-51.176 χ^2/NDF:6.3/7

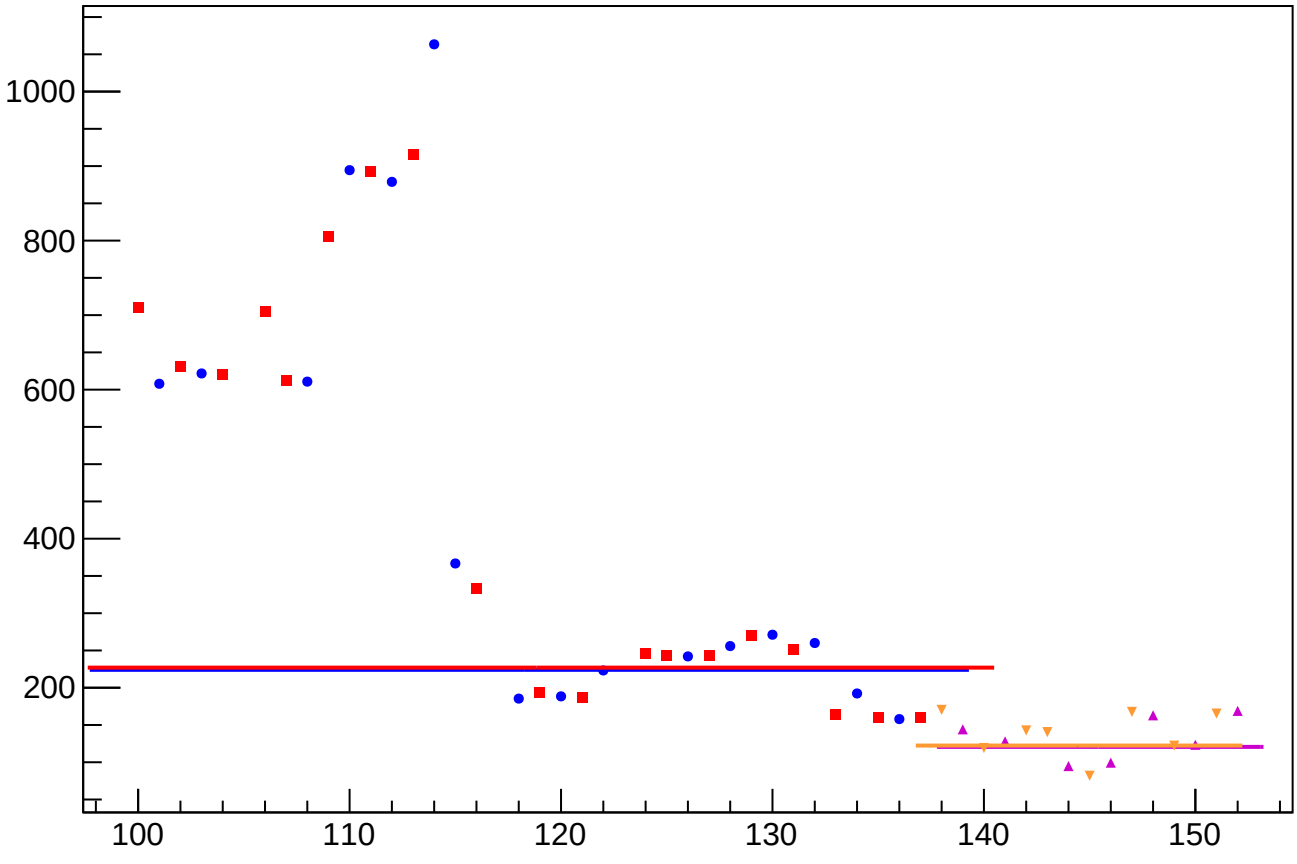
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -92.257+/-50.389 χ^2/NDF:6.5/6

\+ sign -90.776+/-44.899 χ^2/NDF: 20.1/23

All: -94.793+/-31.643 χ^2/NDF: 42.3/49

\- sign -98.758+/-44.603 χ^2/NDF: 22.2/25



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 122.399+/-0.036 χ^2/NDF:786376.8/7

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

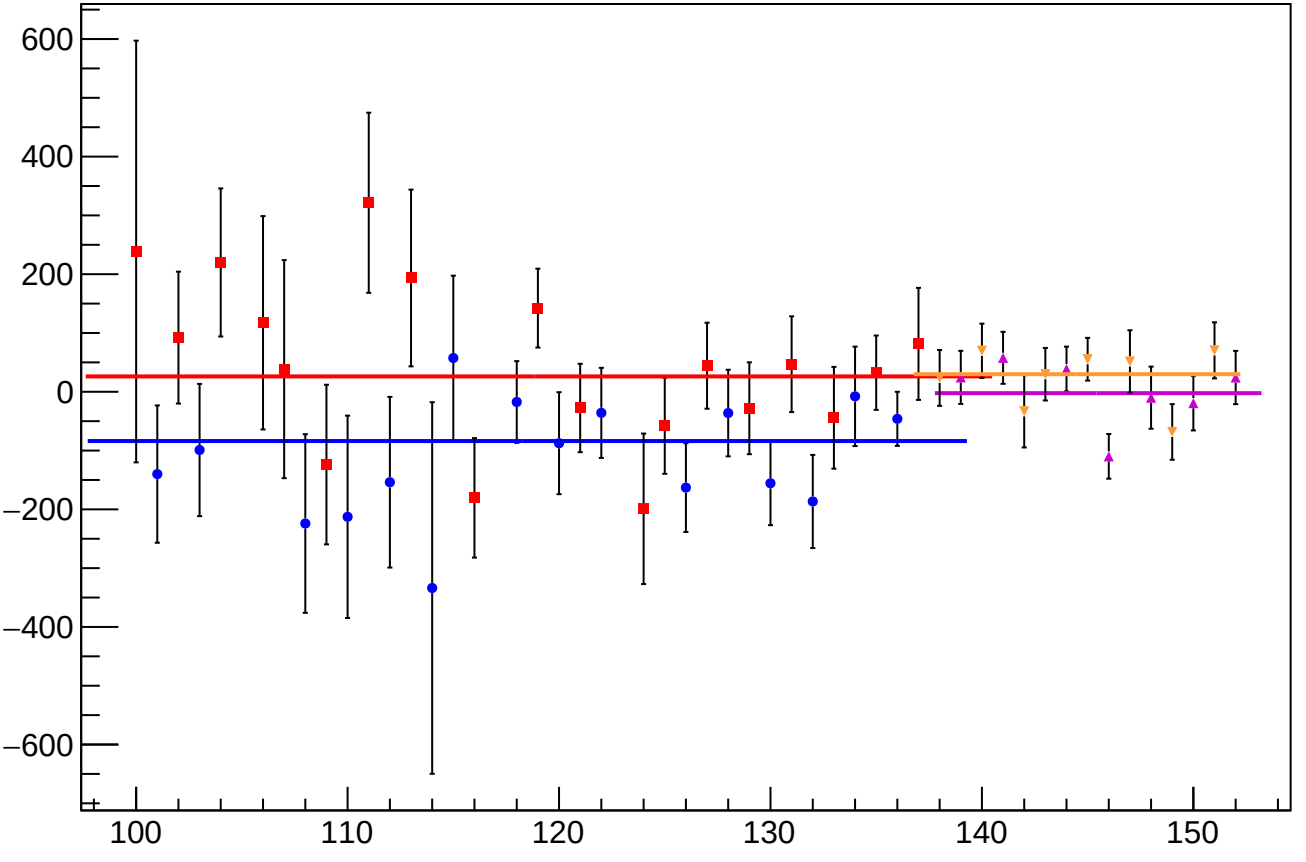
Left In: 120.616+/-0.036 χ^2/NDF:504916.8/6

+ sign 145.805+/-0.032 χ^2/NDF: 5571244.1/23

All: 144.715+/-0.022 χ^2/NDF: 11579213.5/49

- sign 143.639+/-0.032 χ^2/NDF: 6005626.2/25

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.921+/-16.494 χ^2/NDF:7.5/7

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

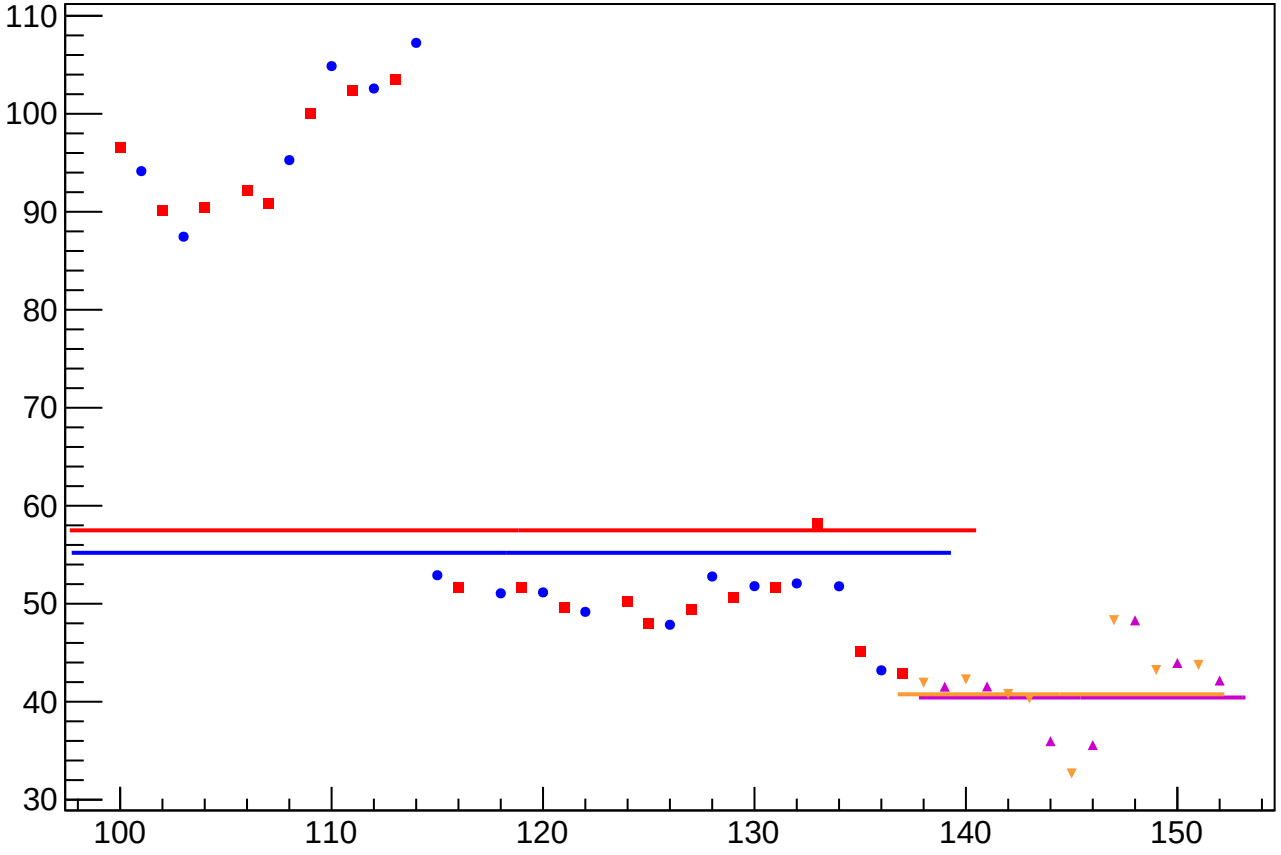
Left In: -2.335+/-16.460 χ^2/NDF:11.9/6

+ sign -12.375+/-13.072 χ^2/NDF: 35.7/23

All: -2.360+/-9.286 χ^2/NDF: 72.8/49

- sign 7.844+/-13.194 χ^2/NDF: 35.8/25

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.757+/-0.012 χ^2/NDF:156554.4/7

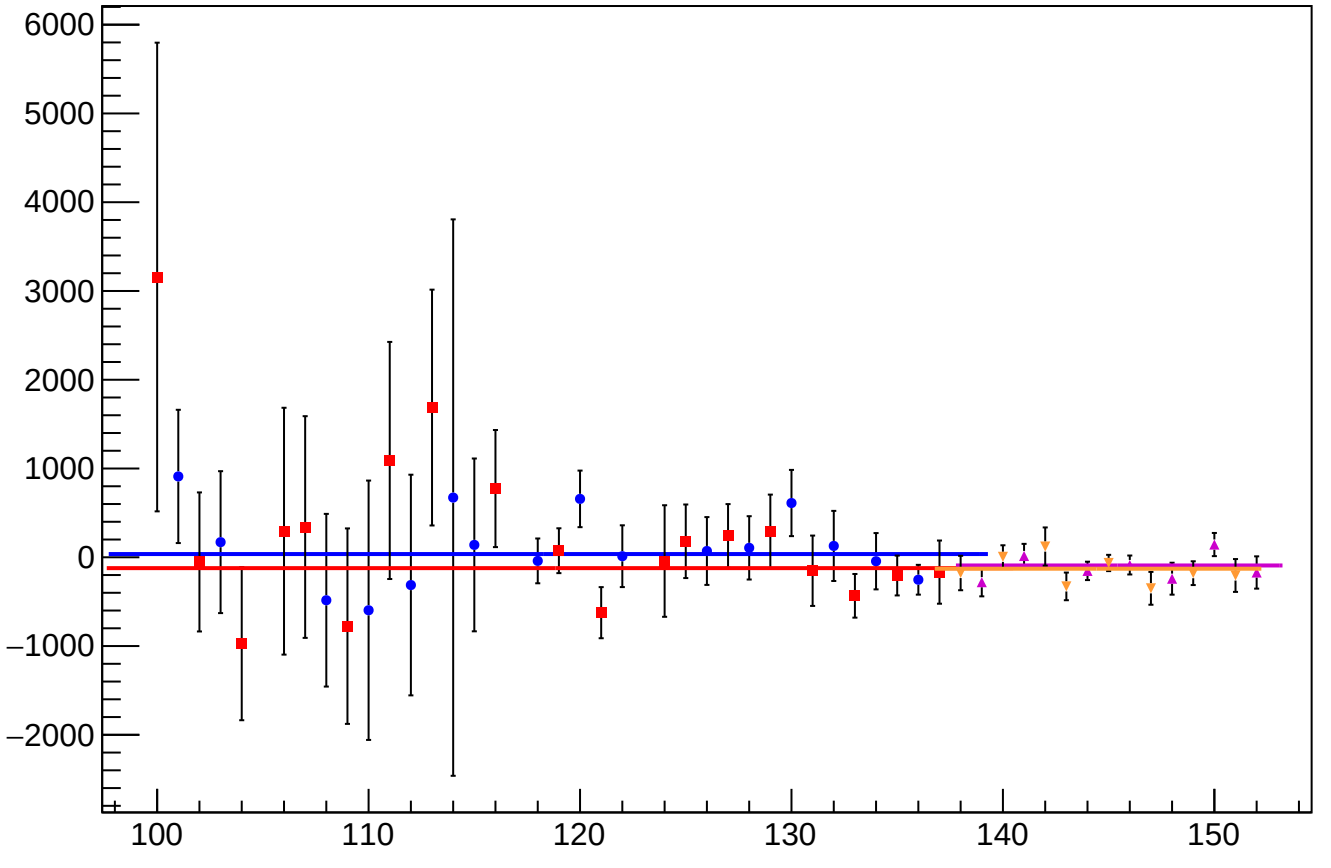
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.430+/-0.012 χ^2/NDF:121238.9/6

+ sign 46.128+/-0.009 χ^2/NDF: 1879282.1/23

All: 46.326+/-0.007 χ^2/NDF: 4043785.2/49

- sign 46.528+/-0.009 χ^2/NDF: 2163573.2/25



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -128.802+/-51.176 χ^2/NDF:6.3/7

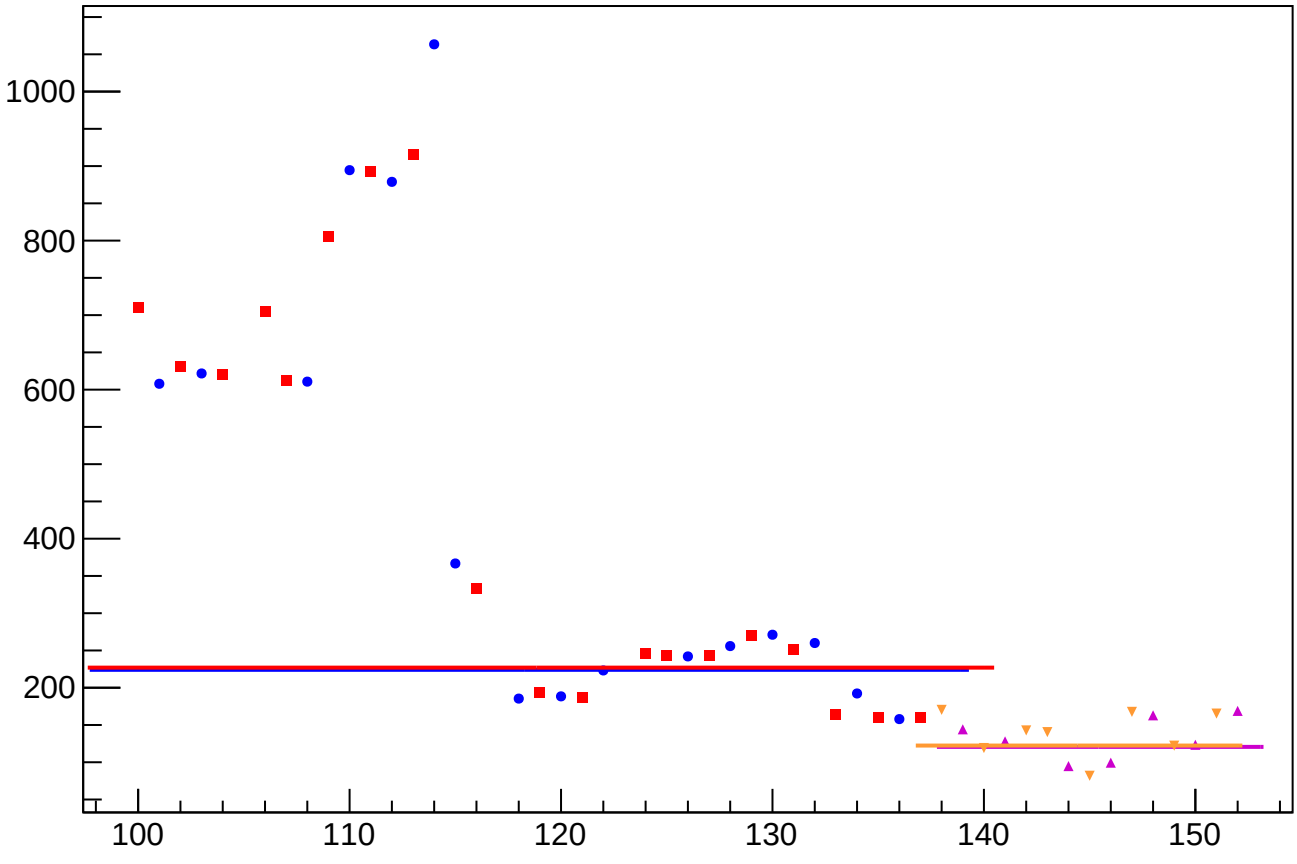
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -92.257+/-50.389 χ^2/NDF:6.5/6

+ sign -90.776+/-44.899 χ^2/NDF: 20.1/23

All: -94.793+/-31.643 χ^2/NDF: 42.3/49

- sign -98.758+/-44.603 χ^2/NDF: 22.2/25



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 122.399+/-0.036 χ^2/NDF:786376.8/7

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

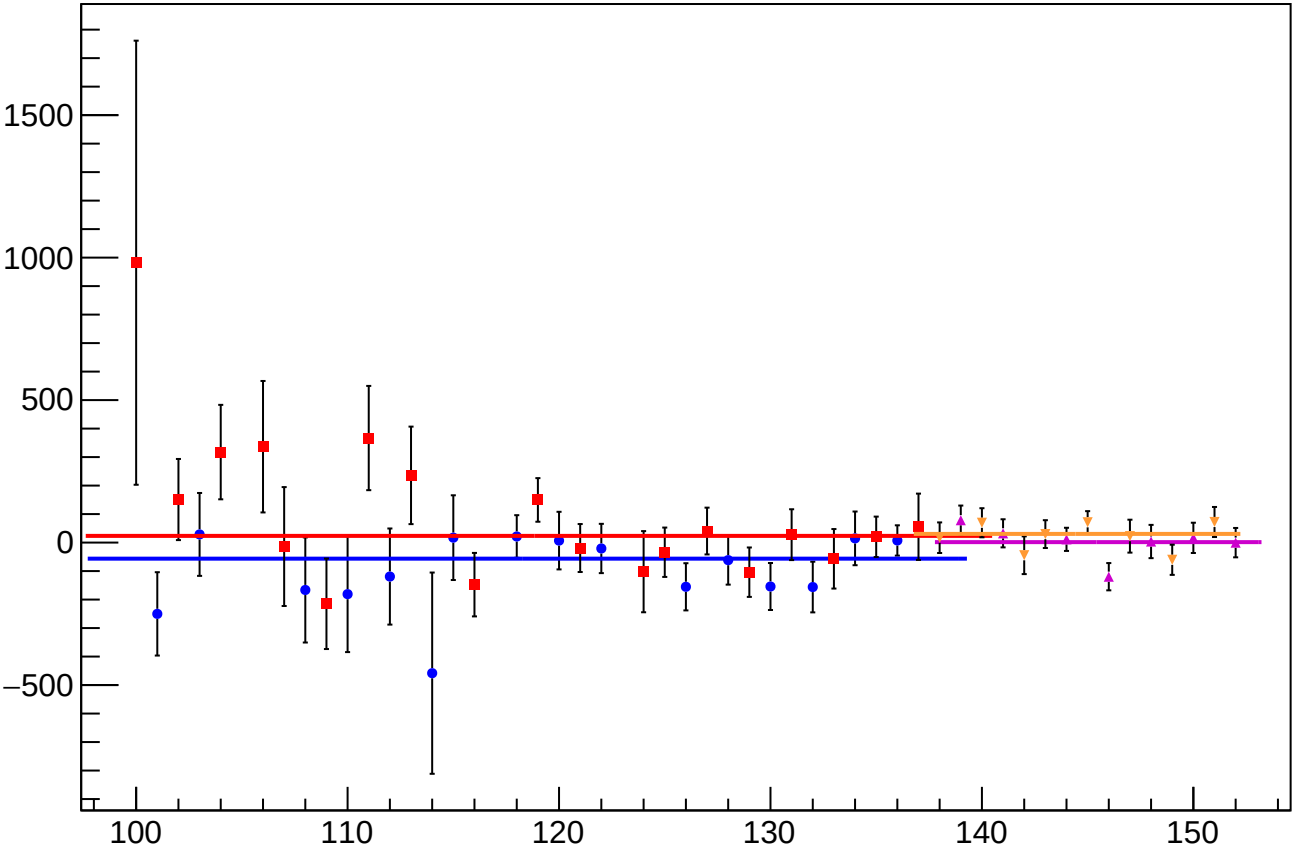
Left In: 120.616+/-0.036 χ^2/NDF:504916.8/6

+ sign 145.805+/-0.032 χ^2/NDF: 5571244.1/23

All: 144.715+/-0.022 χ^2/NDF: 11579213.5/49

- sign 143.639+/-0.032 χ^2/NDF: 6005626.2/25

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 30.419+/-18.108 χ^2/NDF:6.6/7

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

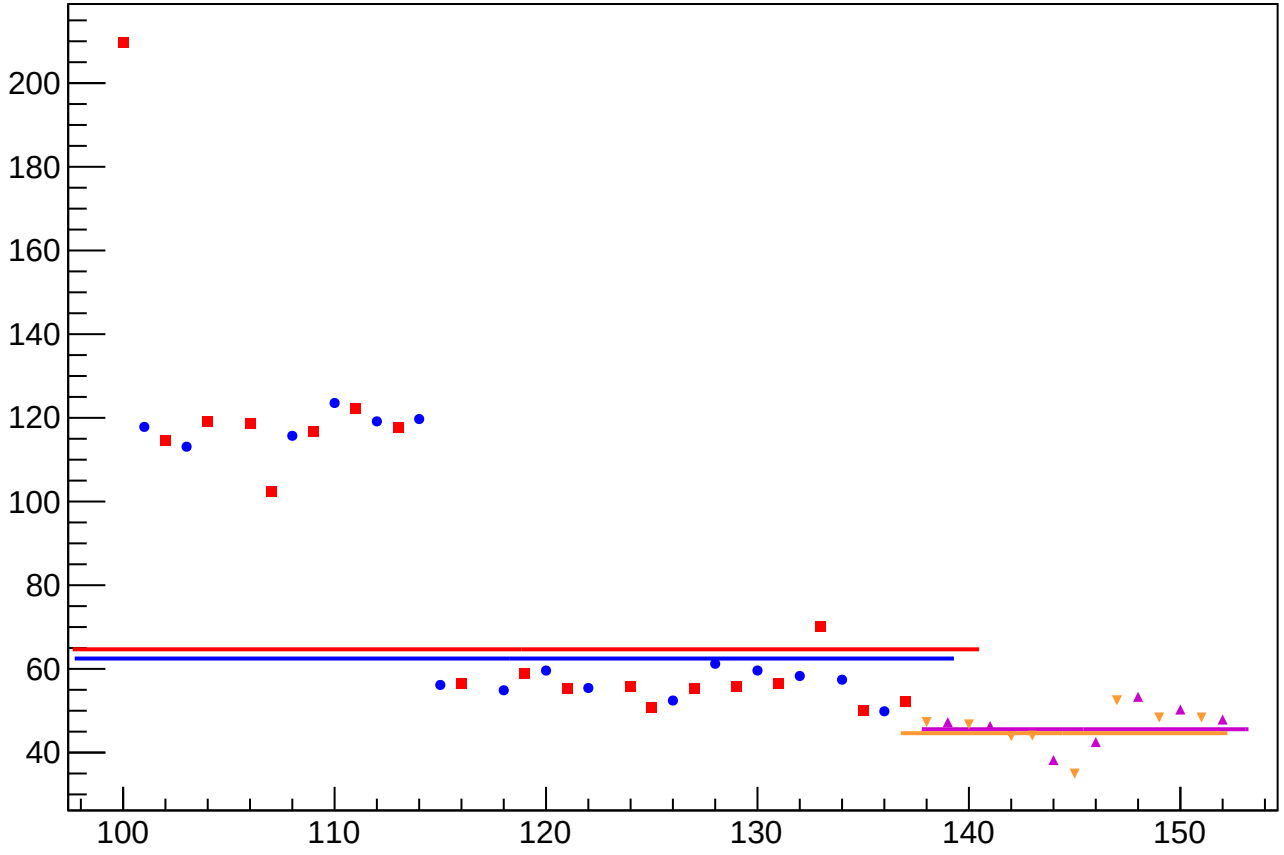
Left In: 1.567+/-18.712 χ^2/NDF:9.2/6

+ sign -0.275+/-14.560 χ^2/NDF: 27.0/23

All: 4.402+/-10.453 χ^2/NDF: 61.0/49

- sign 9.376+/-15.015 χ^2/NDF: 33.8/25

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 44.633+/-0.013 χ^2/NDF:188345.0/7

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

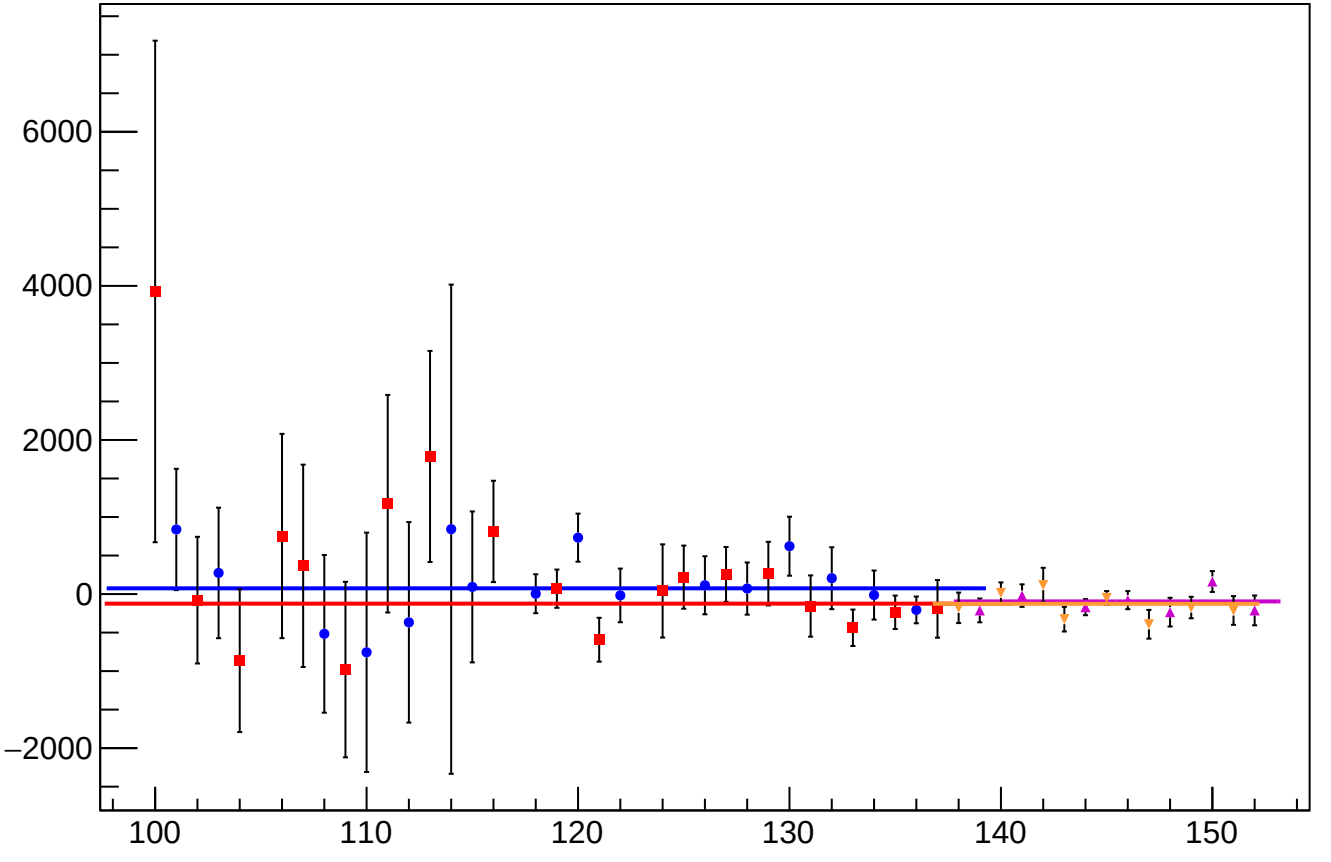
Left In: 45.575+/-0.013 χ^2/NDF:131377.7/6

+ sign 50.940+/-0.010 χ^2/NDF: 2222875.1/23

All: 51.637+/-0.007 χ^2/NDF: 4696666.3/49

- sign 52.379+/-0.011 χ^2/NDF: 2464316.3/25

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -126.461+/-51.958 χ^2/NDF:6.9/7

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

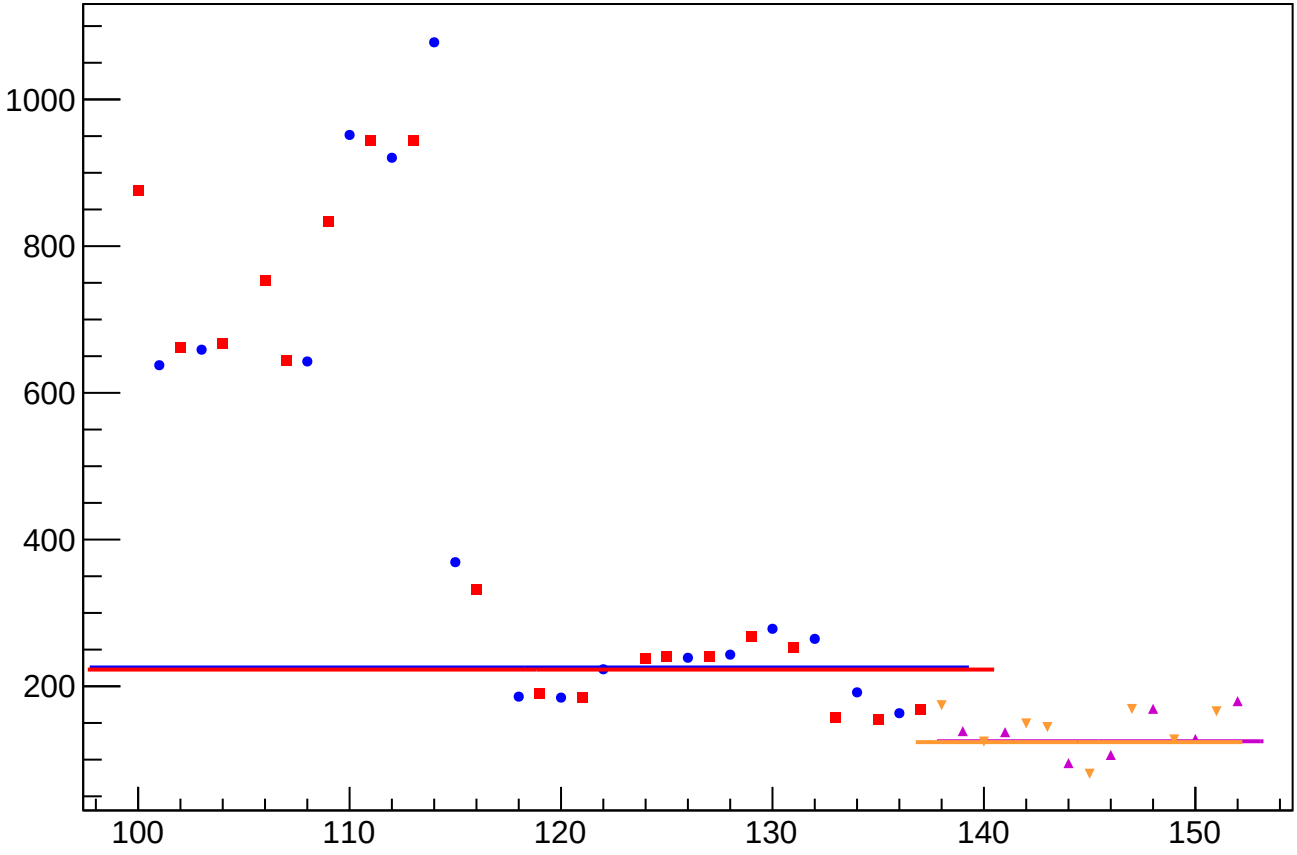
Left In: -95.603+/-52.547 χ^2/NDF:5.9/6

+ sign -79.855+/-45.529 χ^2/NDF: 21.6/23

All: -90.995+/-32.339 χ^2/NDF: 44.0/49

- sign -102.339+/-45.943 χ^2/NDF: 22.3/25

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 123.881+/-0.037 χ^2/NDF:866502.4/7

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

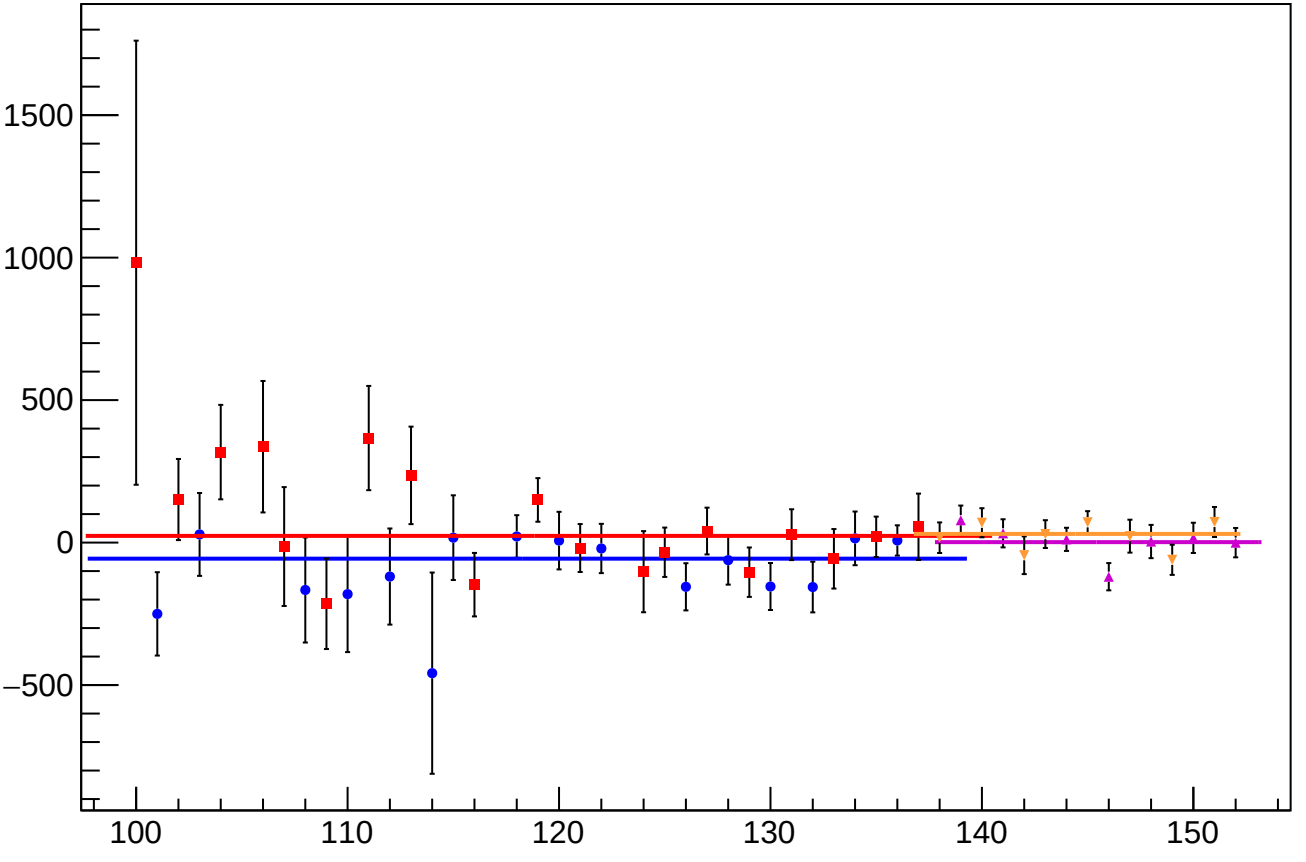
Left In: 125.051+/-0.037 χ^2/NDF:515904.8/6

+ sign 147.499+/-0.032 χ^2/NDF: 5672579.0/23

All: 147.783+/-0.023 χ^2/NDF: 11666485.7/49

- sign 148.071+/-0.032 χ^2/NDF: 5993750.1/25

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 30.419+/-18.108 χ^2/NDF:6.6/7

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

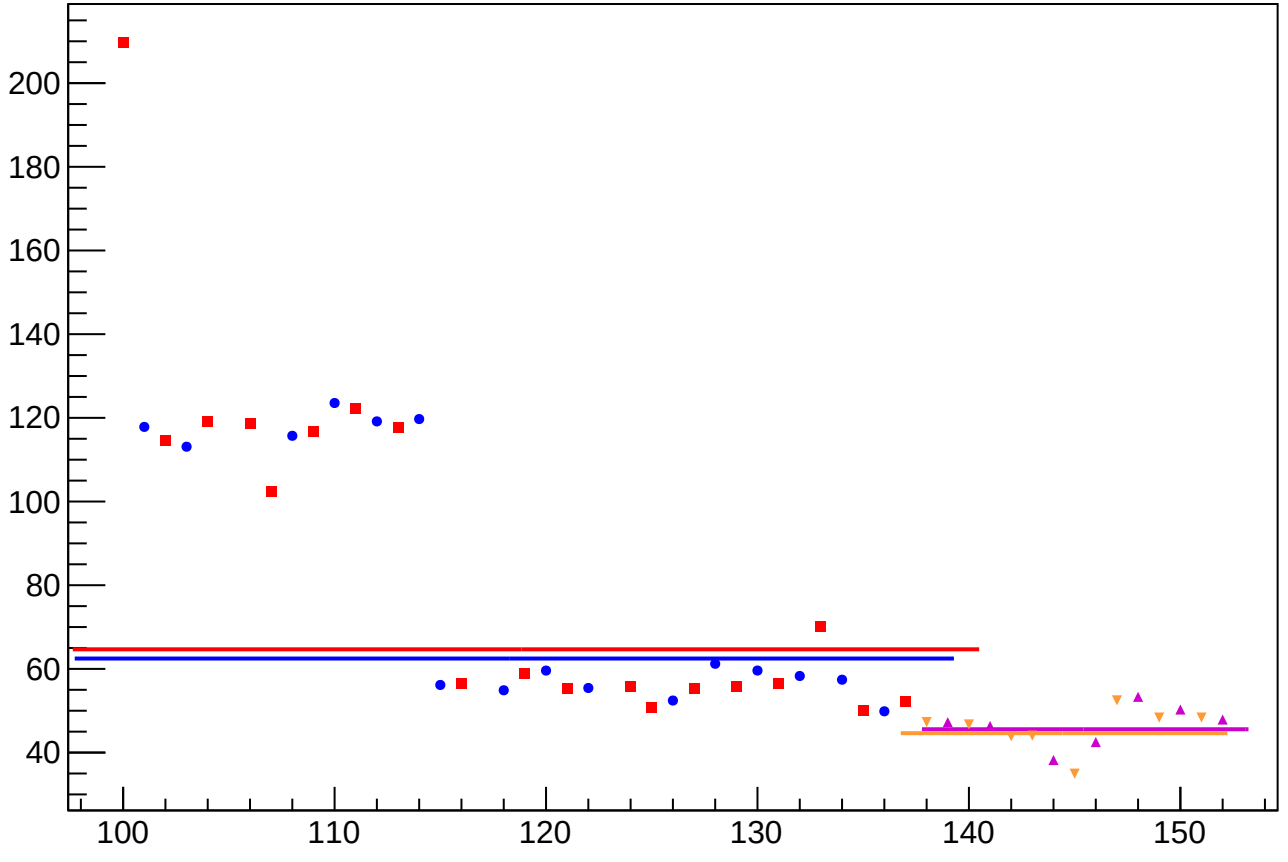
Left In: 1.566+/-18.712 χ^2/NDF:9.2/6

+ sign -0.276+/-14.560 χ^2/NDF: 27.0/23

All: 4.402+/-10.453 χ^2/NDF: 61.0/49

- sign 9.377+/-15.015 χ^2/NDF: 33.8/25

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 44.633+/-0.013 χ^2/NDF:188348.0/7

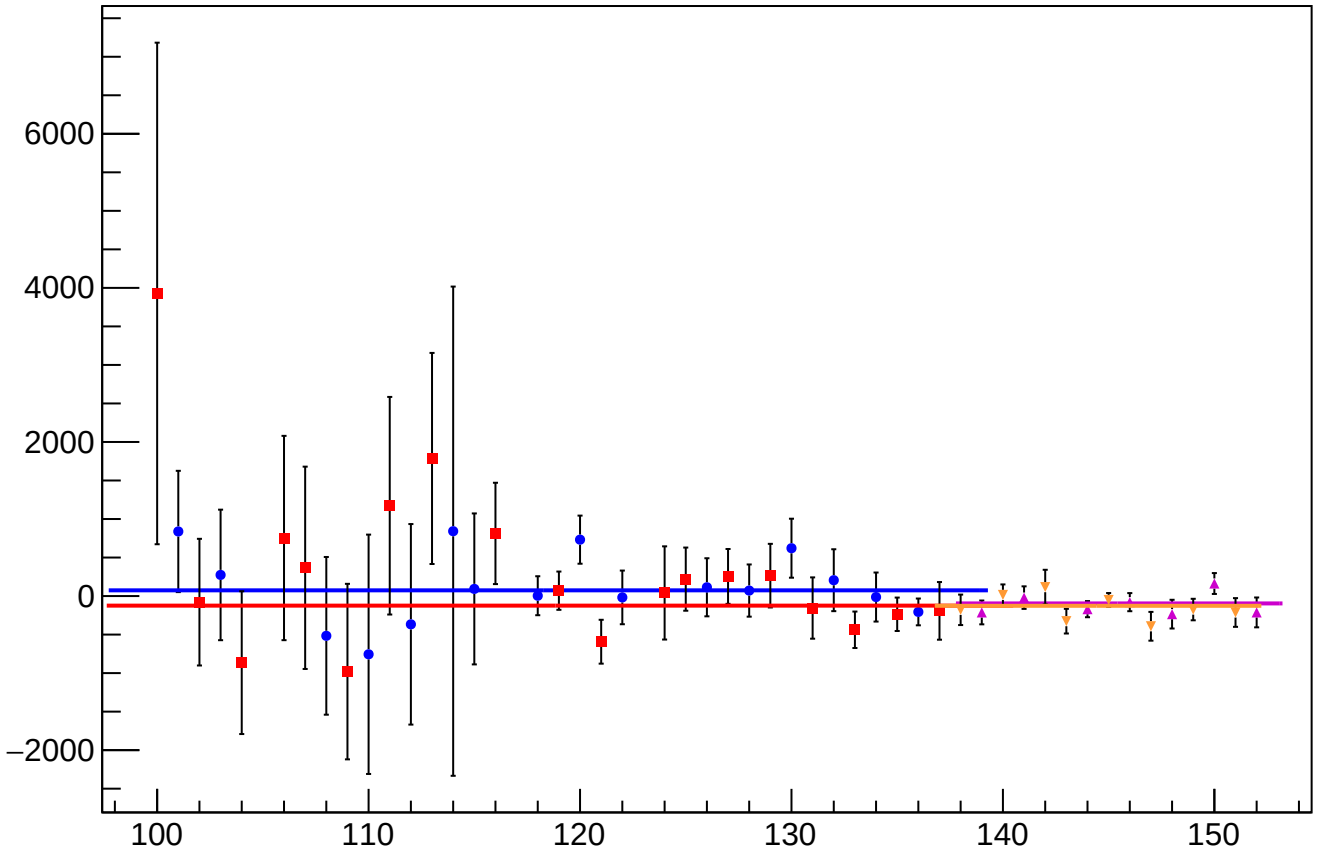
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.575+/-0.013 χ^2/NDF:131377.7/6

+ sign 50.940+/-0.010 χ^2/NDF: 2222819.5/23

All: 51.637+/-0.007 χ^2/NDF: 4696568.6/49

- sign 52.379+/-0.011 χ^2/NDF: 2464273.6/25



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -126.461+/-51.958 χ^2/NDF:6.9/7

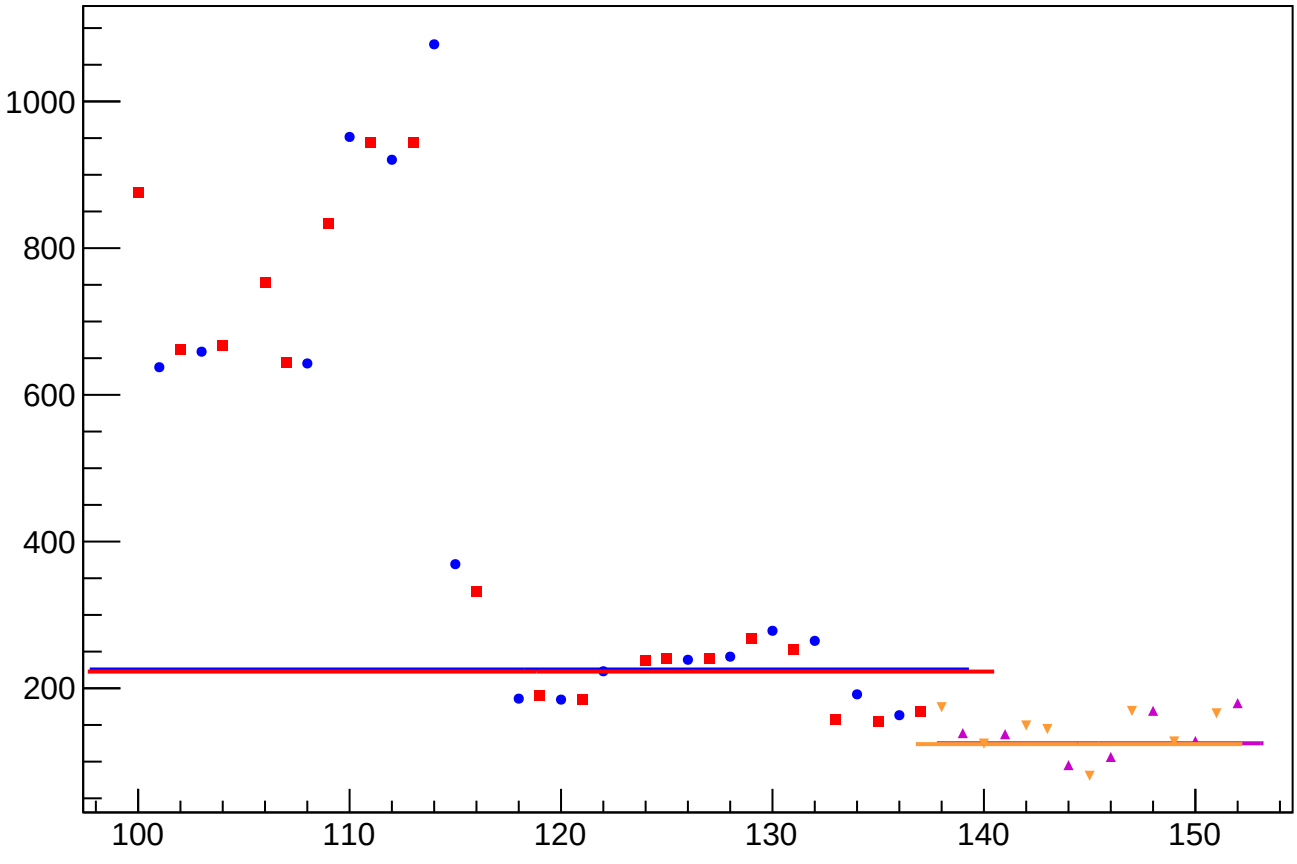
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -95.604+/-52.547 χ^2/NDF:5.9/6

\+ sign -79.854+/-45.529 χ^2/NDF: 21.6/23

All: -90.995+/-32.339 χ^2/NDF: 44.0/49

\- sign -102.339+/-45.944 χ^2/NDF: 22.3/25



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 123.881+/-0.037 χ^2/NDF:866512.3/7

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

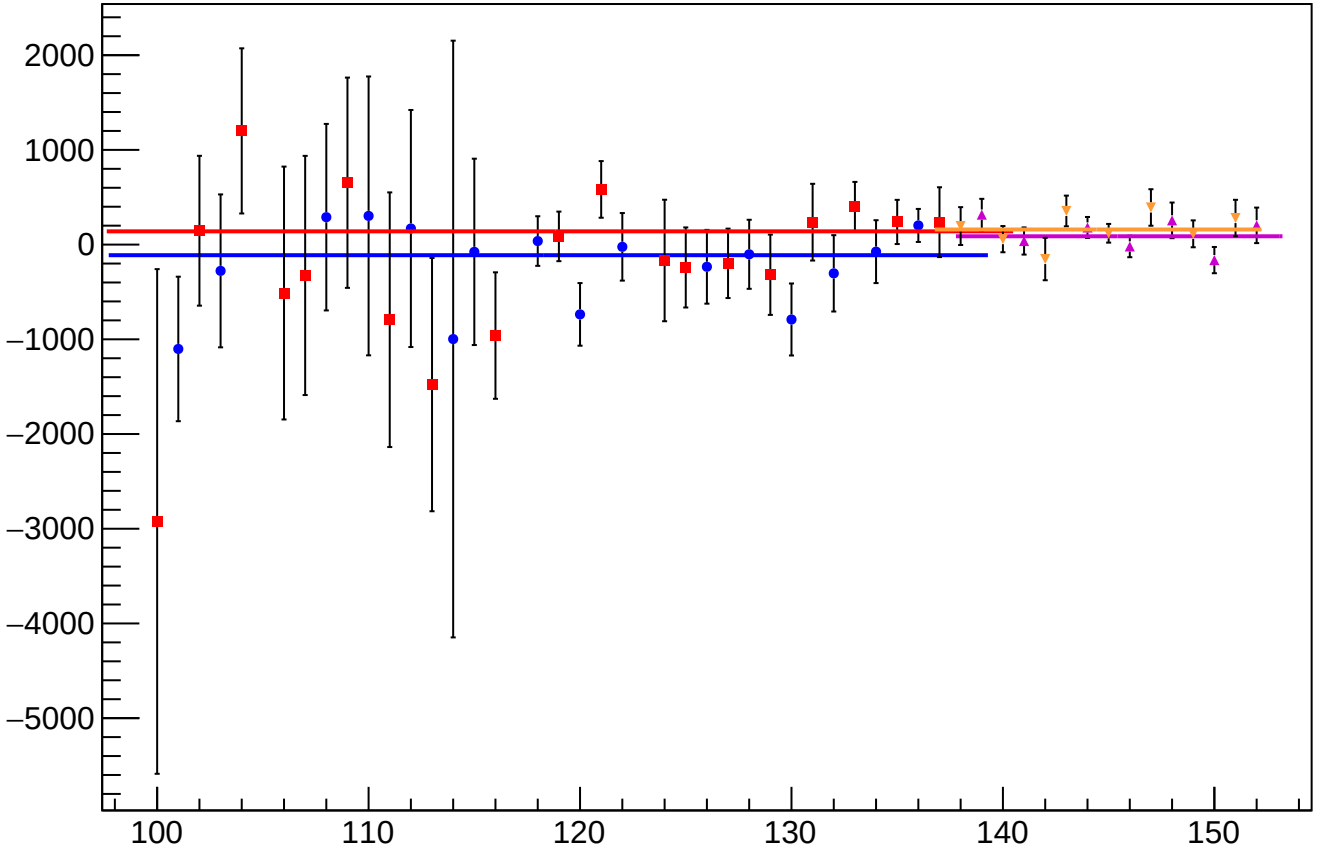
Left In: 125.051+/-0.037 χ^2/NDF:515911.0/6

+ sign 147.500+/-0.032 χ^2/NDF: 5672554.4/23

All: 147.783+/-0.023 χ^2/NDF: 11666449.4/49

- sign 148.072+/-0.032 χ^2/NDF: 5993738.5/25

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 159.423+/-54.115 χ^2/NDF:6.1/7

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

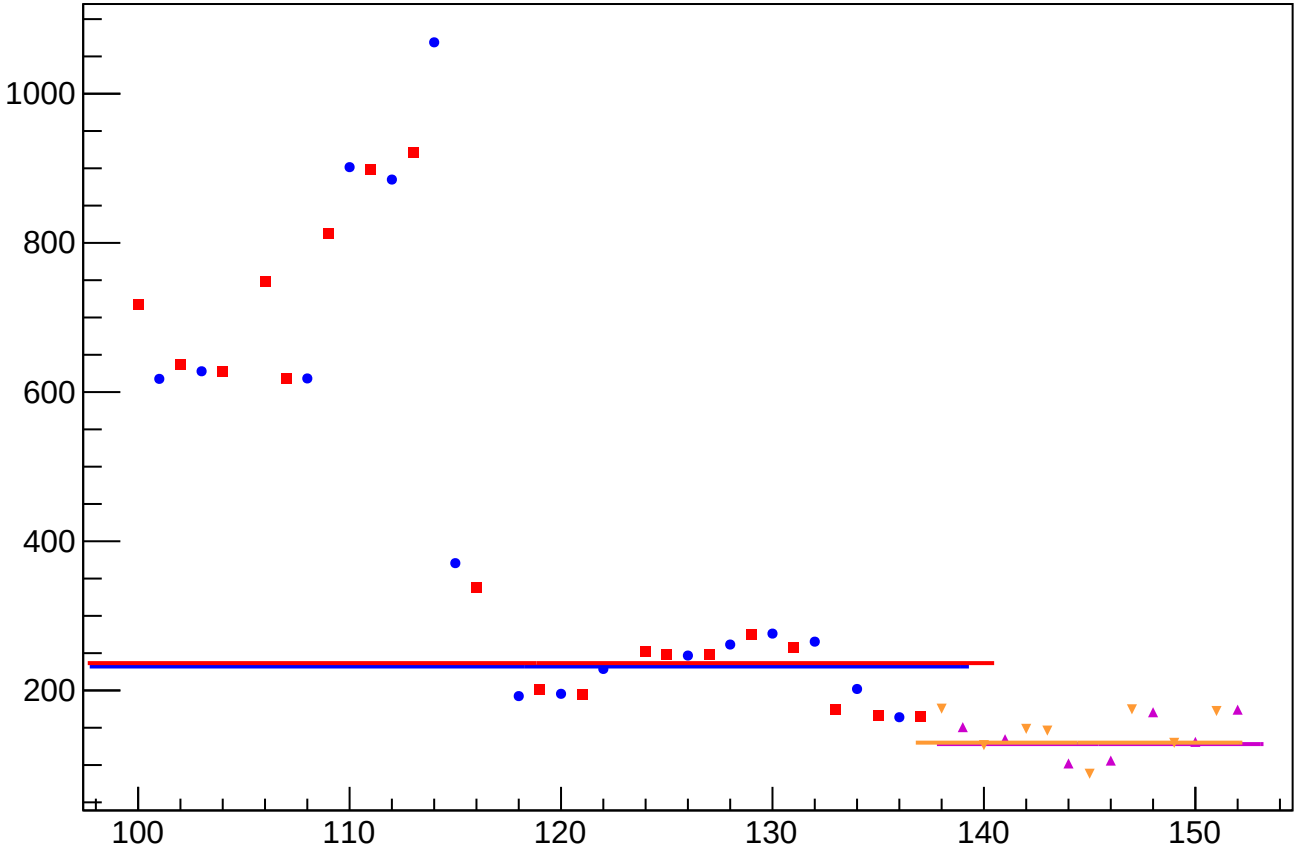
Left In: 87.847+/-53.310 χ^2/NDF:8.1/6

+ sign 94.560+/-47.206 χ^2/NDF: 24.9/23

All: 97.059+/-33.291 χ^2/NDF: 47.9/49

- sign 99.533+/-46.956 χ^2/NDF: 22.9/25

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 130.034+/-0.038 χ^2/NDF:700140.1/7

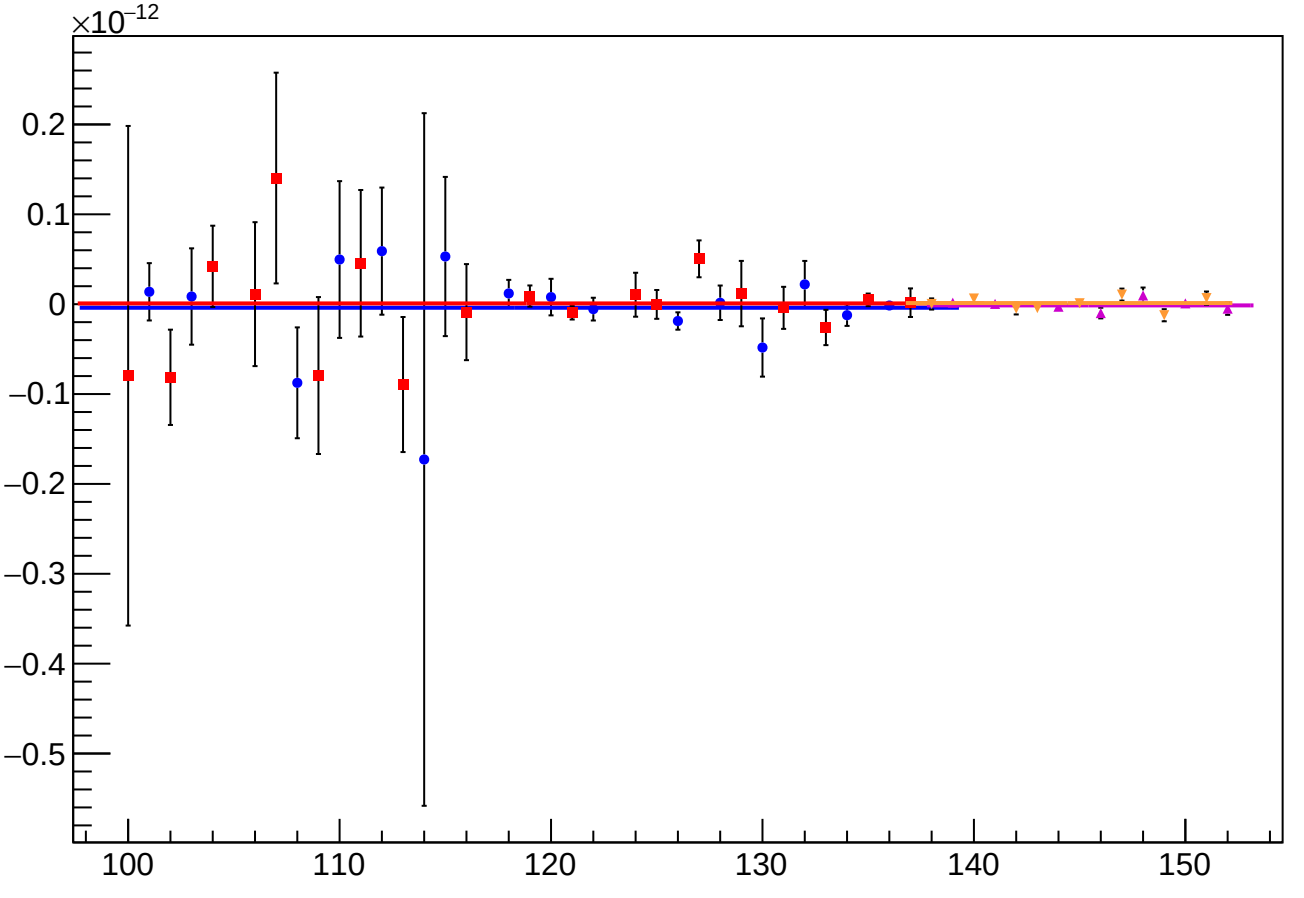
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 128.093+/-0.038 χ^2/NDF:451181.1/6

+ sign 154.434+/-0.033 χ^2/NDF: 5286630.9/23

All: 153.426+/-0.024 χ^2/NDF: 11119708.8/49

- sign 152.428+/-0.033 χ^2/NDF: 5831262.2/25



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/7

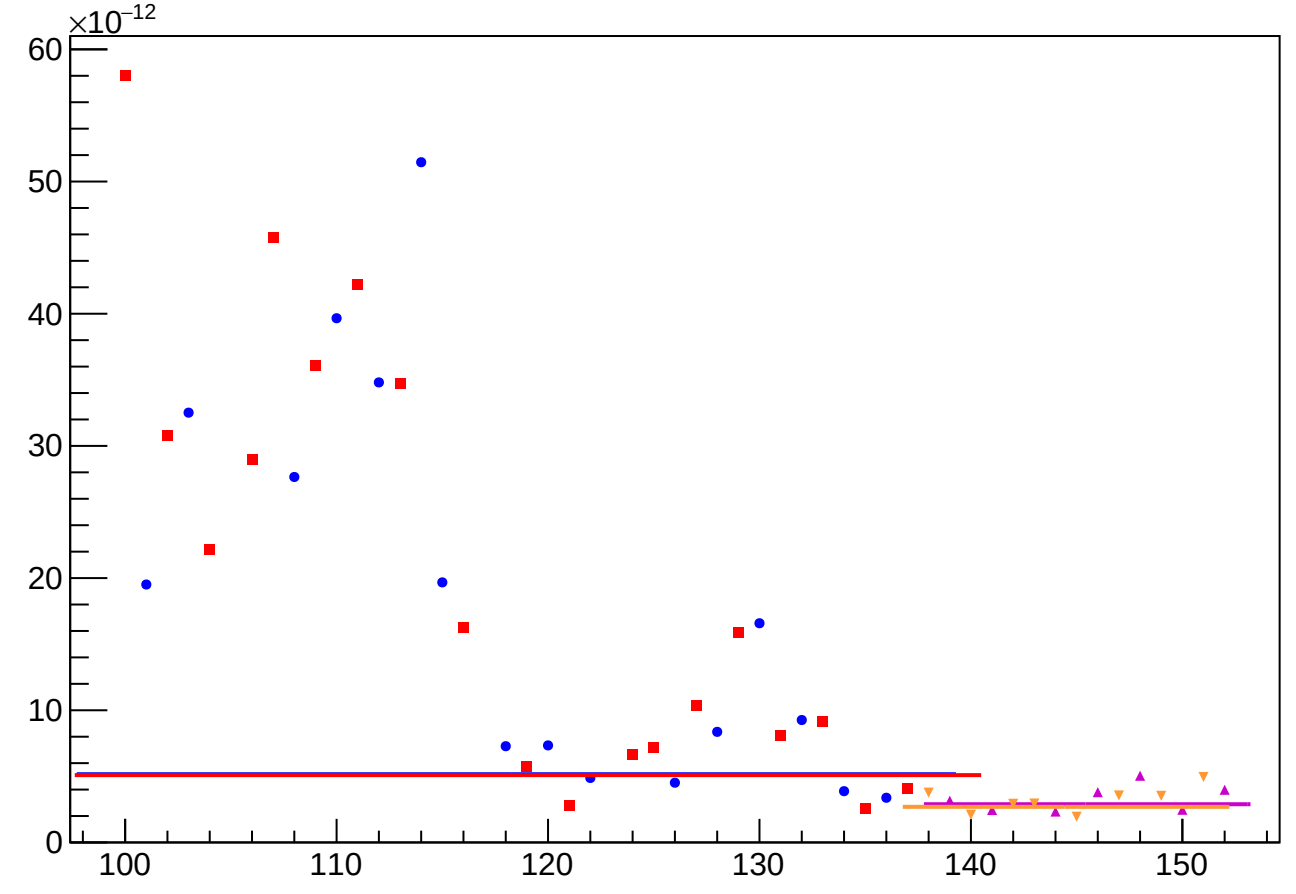
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/23

All: -0.000+/-0.000 χ^2/NDF: 47.3/49

- sign -0.000+/-0.000 χ^2/NDF: 23.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:488724.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

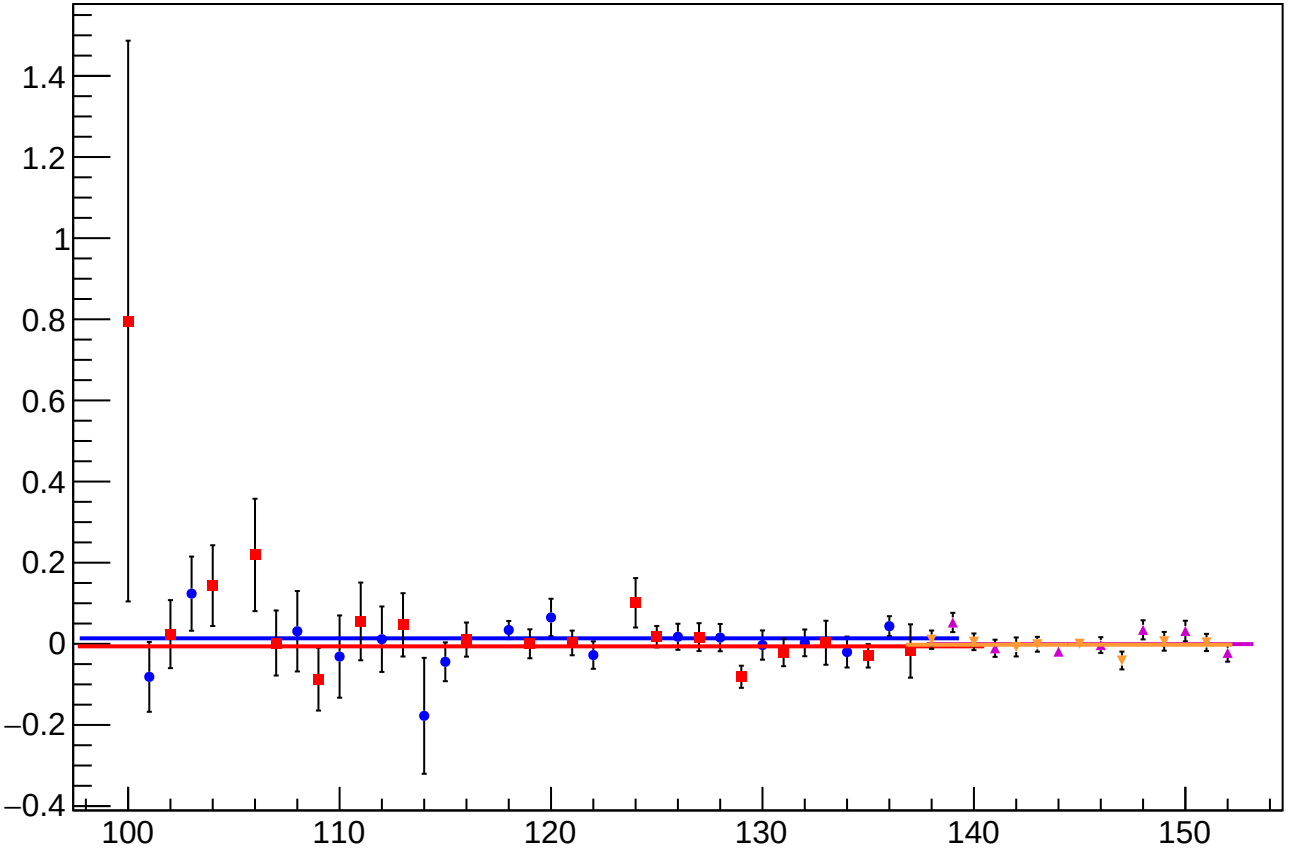
Left In: 0.000+/-0.000 χ^2/NDF:310154.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3845023.5/23

All: 0.000+/-0.000 χ^2/NDF: 7905902.4/49

- sign 0.000+/-0.000 χ^2/NDF: 4052320.6/25

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: -0.002+/-0.007 χ^2/NDF:3.9/7

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

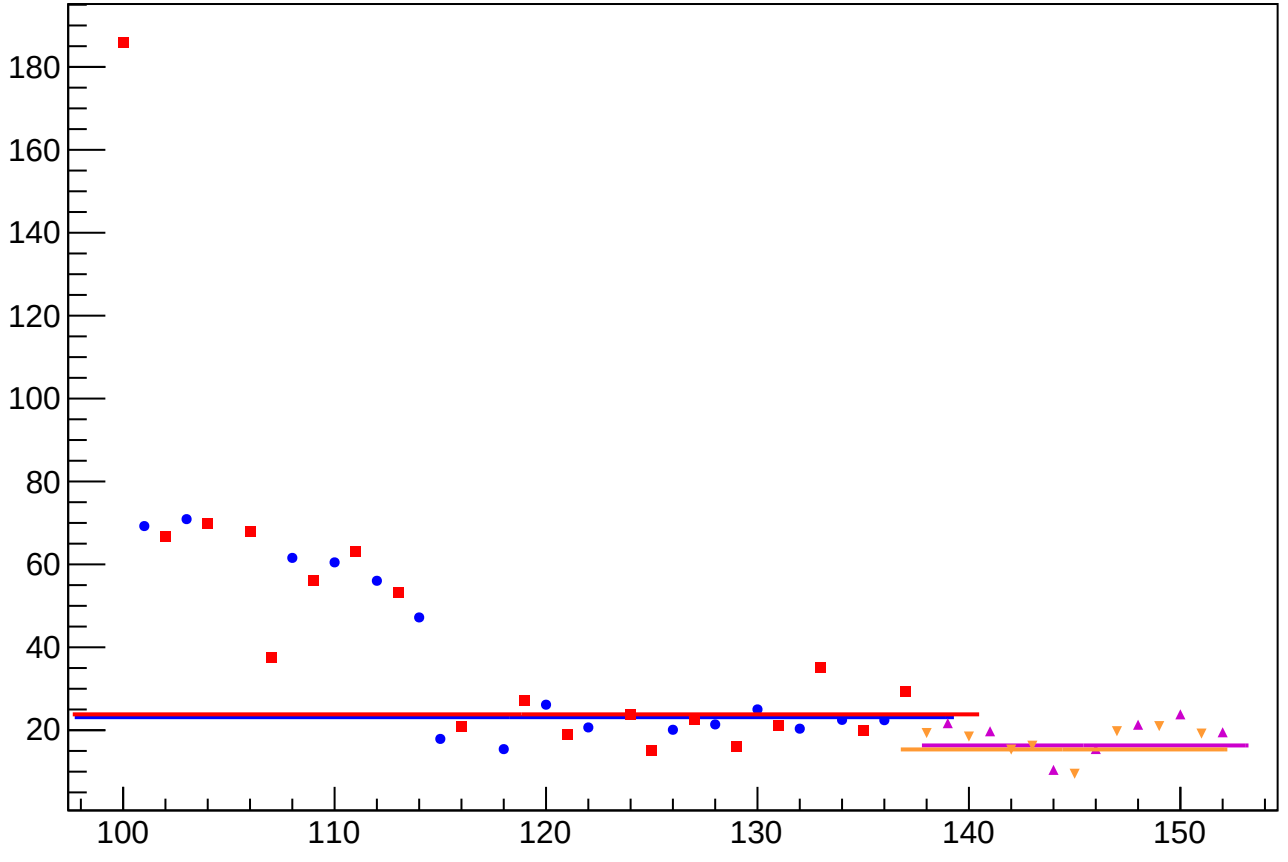
Left In: -0.001+/-0.007 χ^2/NDF:12.6/6

+ sign 0.003+/-0.005 χ^2/NDF: 18.0/23

All: 0.000+/-0.004 χ^2/NDF: 52.7/49

- sign -0.003+/-0.006 χ^2/NDF: 34.2/25

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: 15.361+/-0.005 χ^2/NDF:915142.1/7

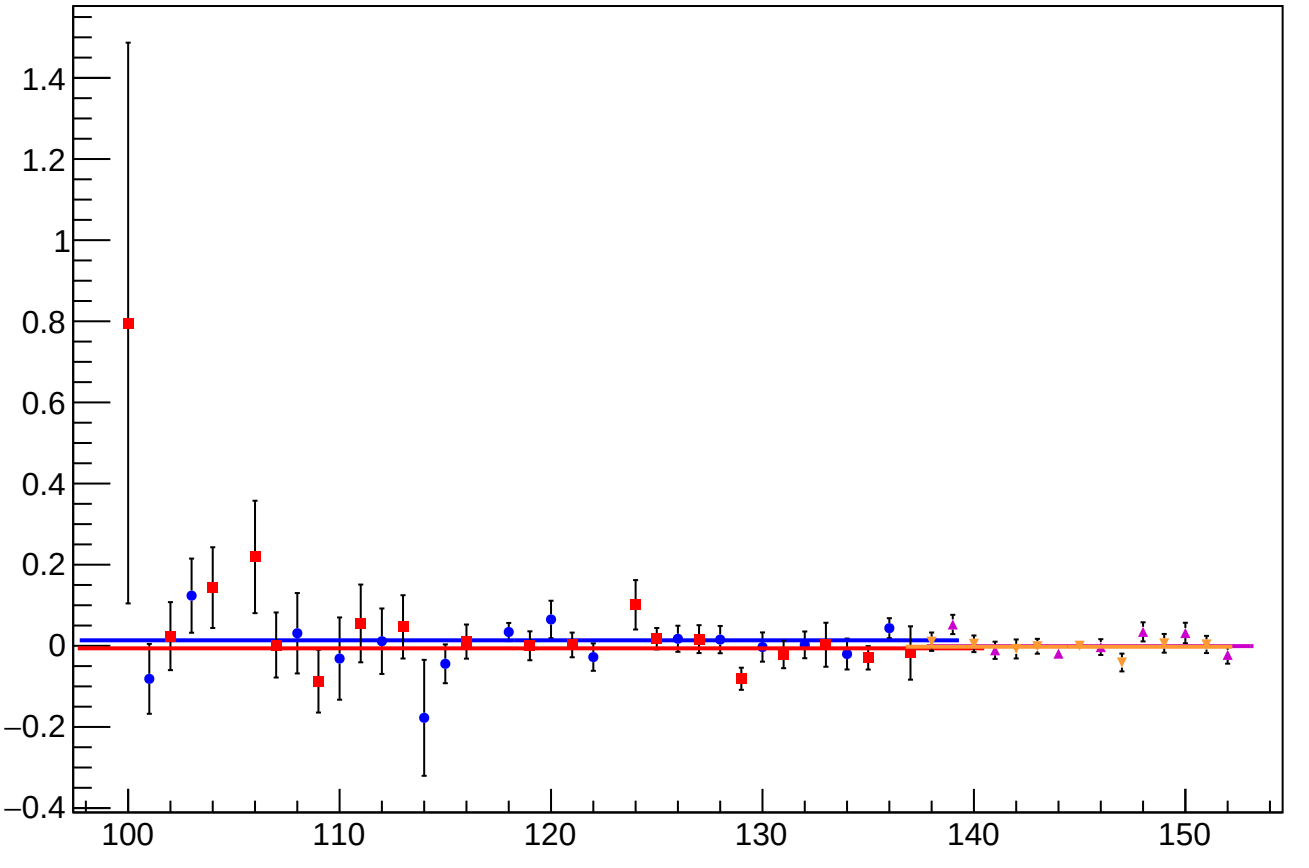
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 16.322+/-0.005 χ^2/NDF:966111.9/6

+ sign 17.761+/-0.004 χ^2/NDF: 4186151.0/23

All: 18.273+/-0.003 χ^2/NDF: 8823870.9/49

- sign 18.860+/-0.004 χ^2/NDF: 4600055.9/25



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.007 χ^2/NDF:3.9/7

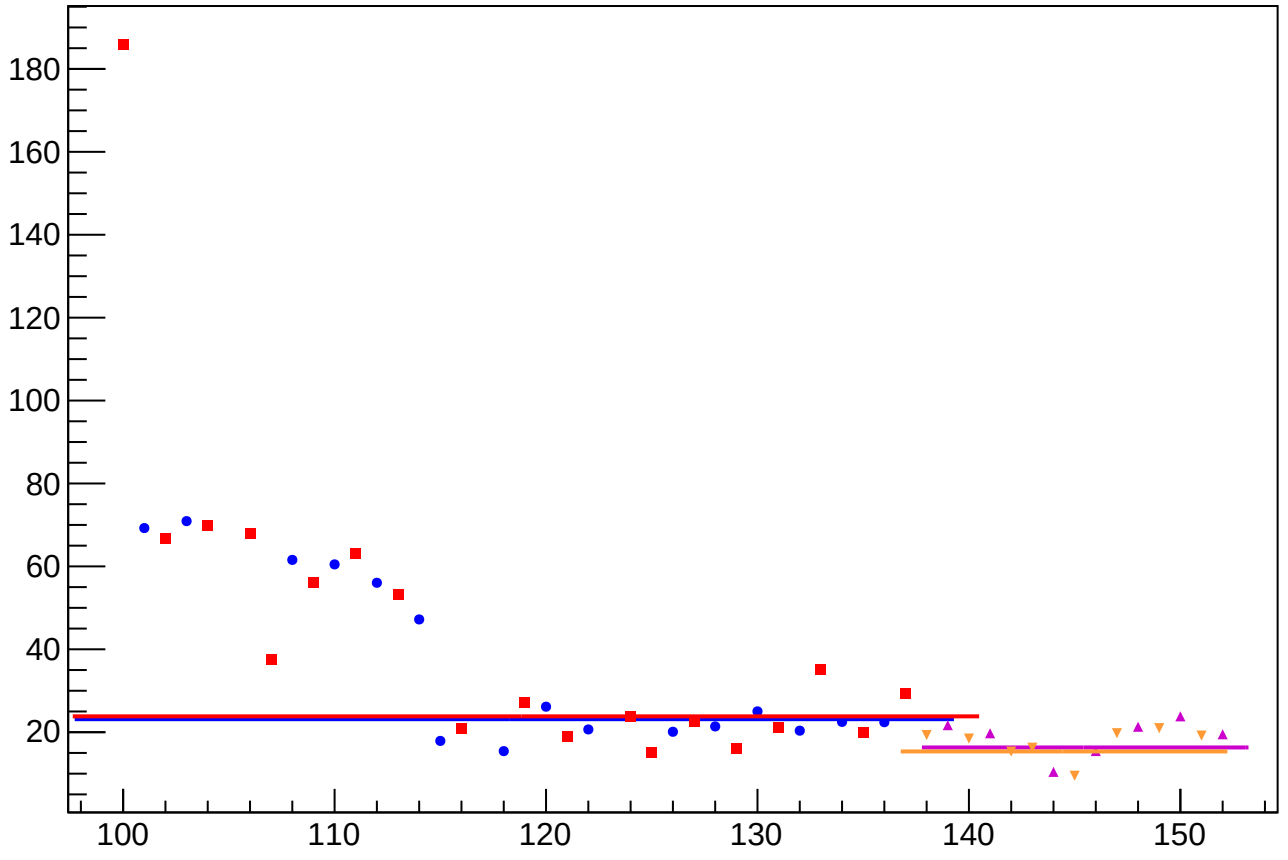
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.007 χ^2/NDF:12.6/6

+ sign 0.003+/-0.005 χ^2/NDF: 18.0/23

All: 0.000+/-0.004 χ^2/NDF: 52.7/49

- sign -0.003+/-0.006 χ^2/NDF: 34.2/25



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.361+/-0.005 χ^2/NDF:915142.1/7

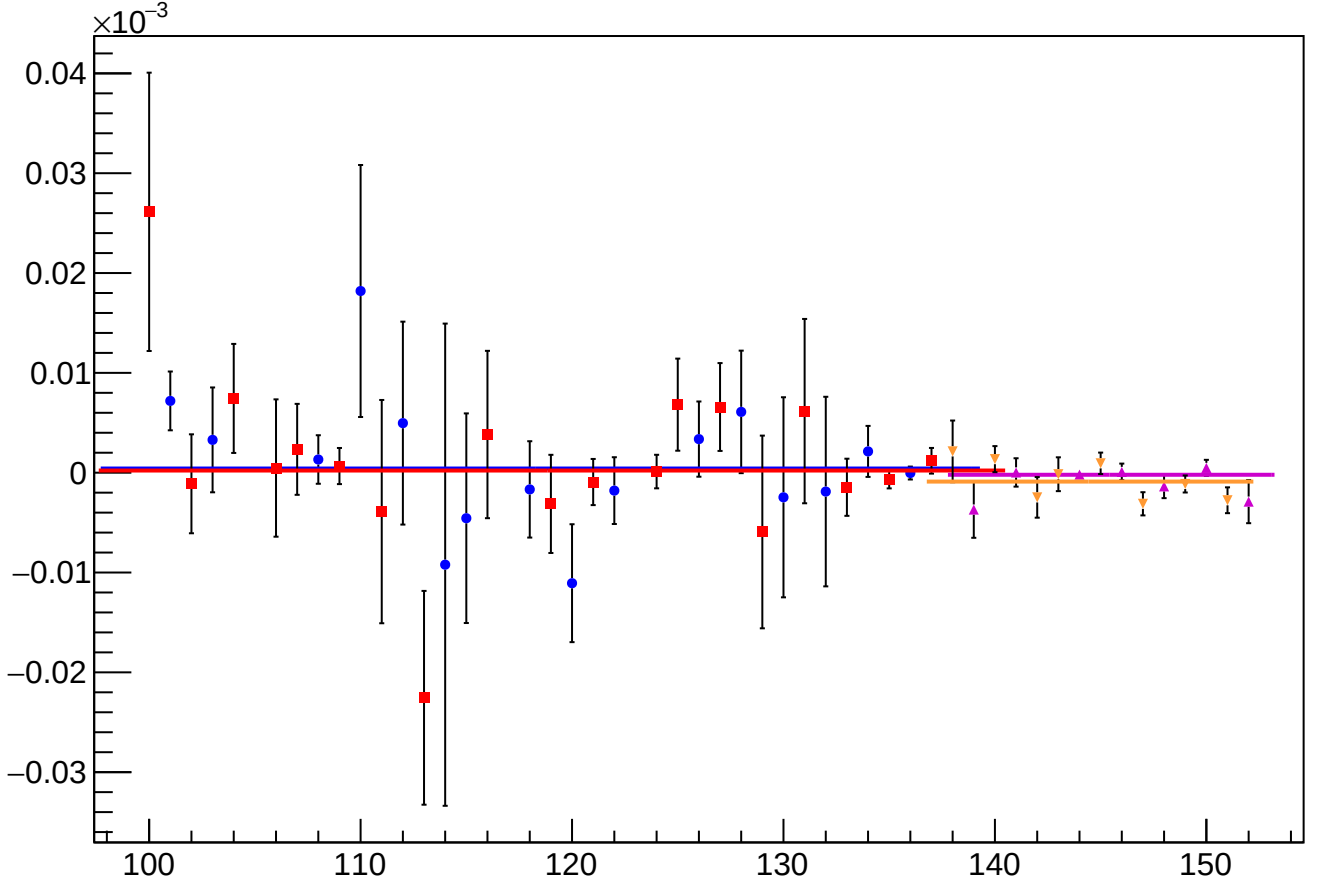
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 16.322+/-0.005 χ^2/NDF:966111.9/6

+ sign 17.761+/-0.004 χ^2/NDF: 4186151.0/23

All: 18.273+/-0.003 χ^2/NDF: 8823870.9/49

- sign 18.860+/-0.004 χ^2/NDF: 4600055.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/7

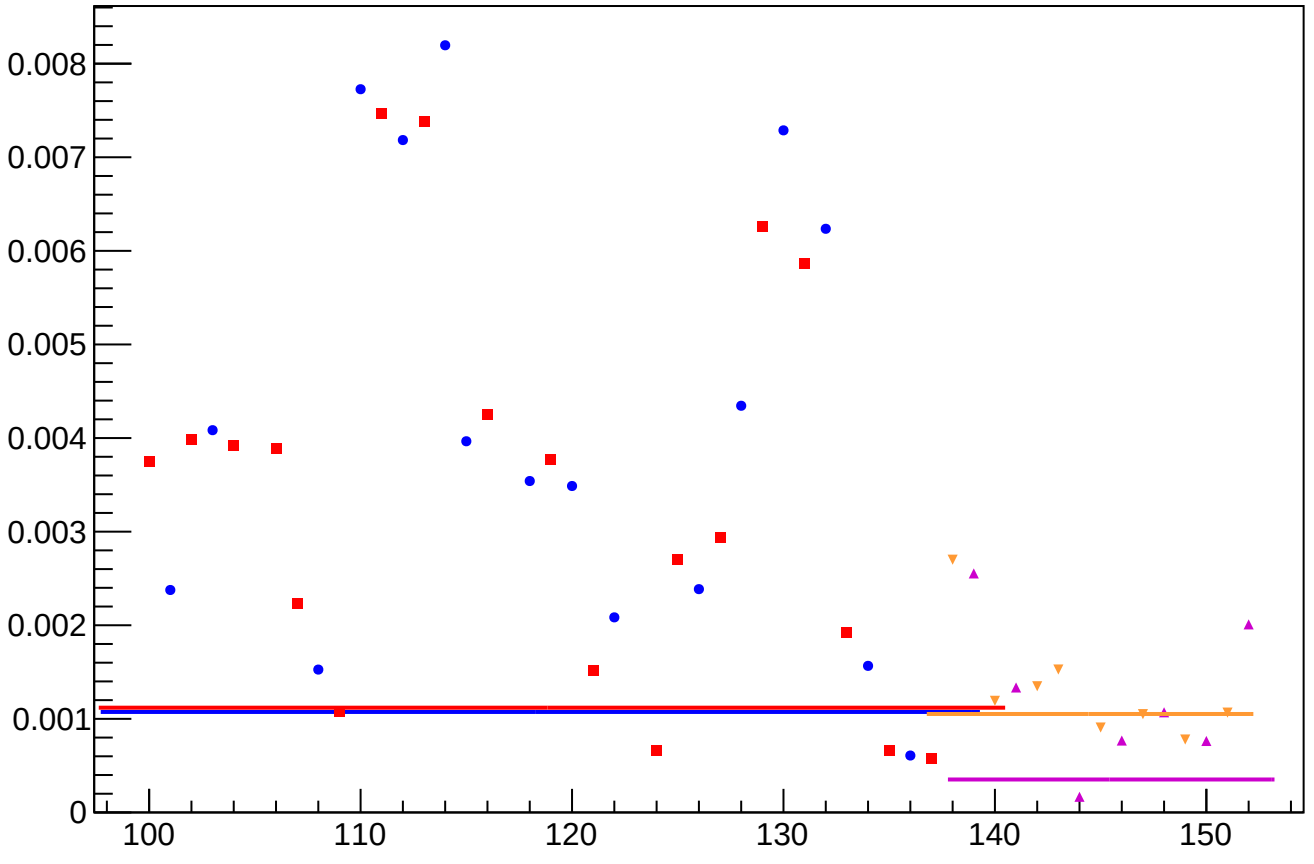
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 32.0/23

All: -0.000+/-0.000 χ^2/NDF: 55.6/49

- sign -0.000+/-0.000 χ^2/NDF: 23.3/25



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:1033668.6/7

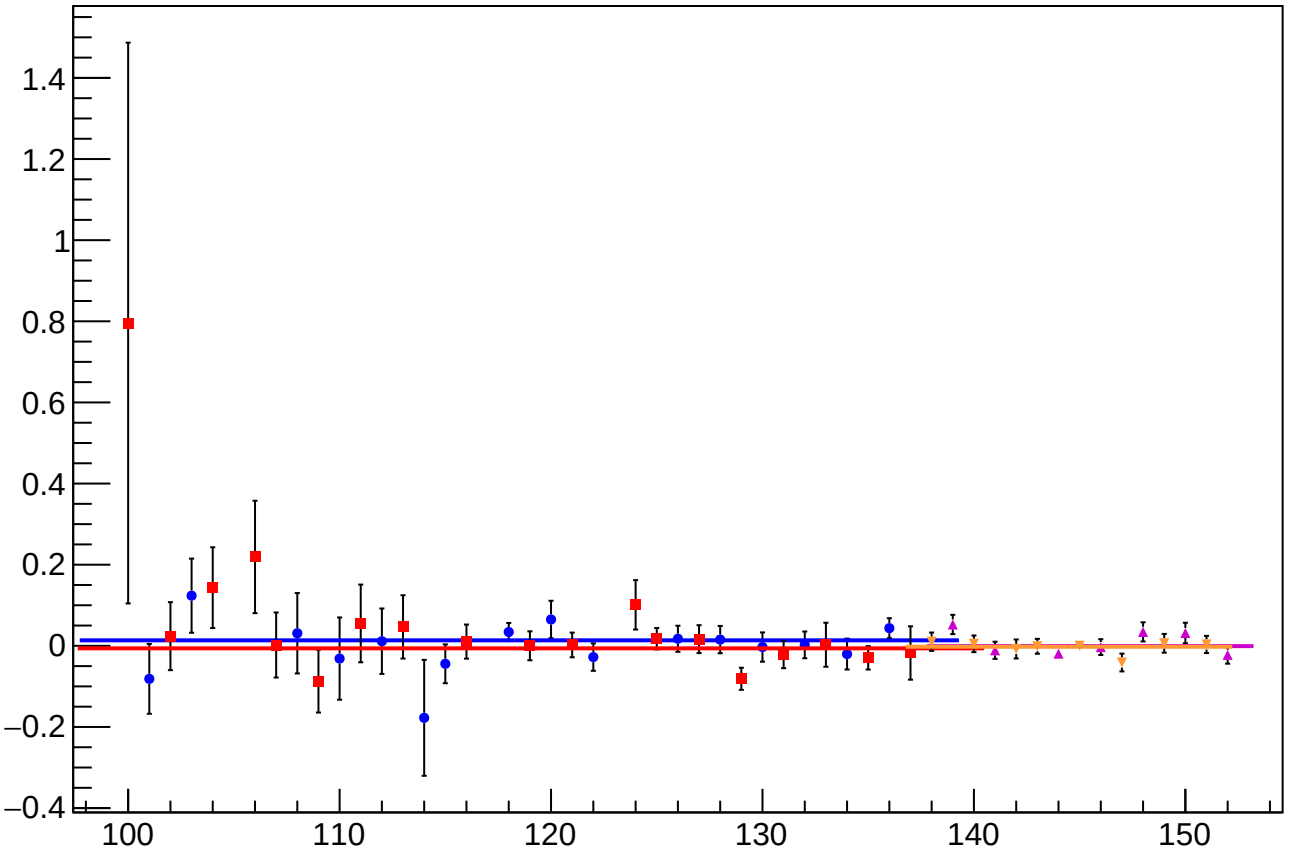
Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6162327.7/6

+ sign 0.001+/-0.000 χ^2/NDF: 8080800.9/23

All: 0.001+/-0.000 χ^2/NDF: 28574727.3/49

- sign 0.000+/-0.000 χ^2/NDF: 16115004.8/25



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.007 χ^2/NDF:3.9/7

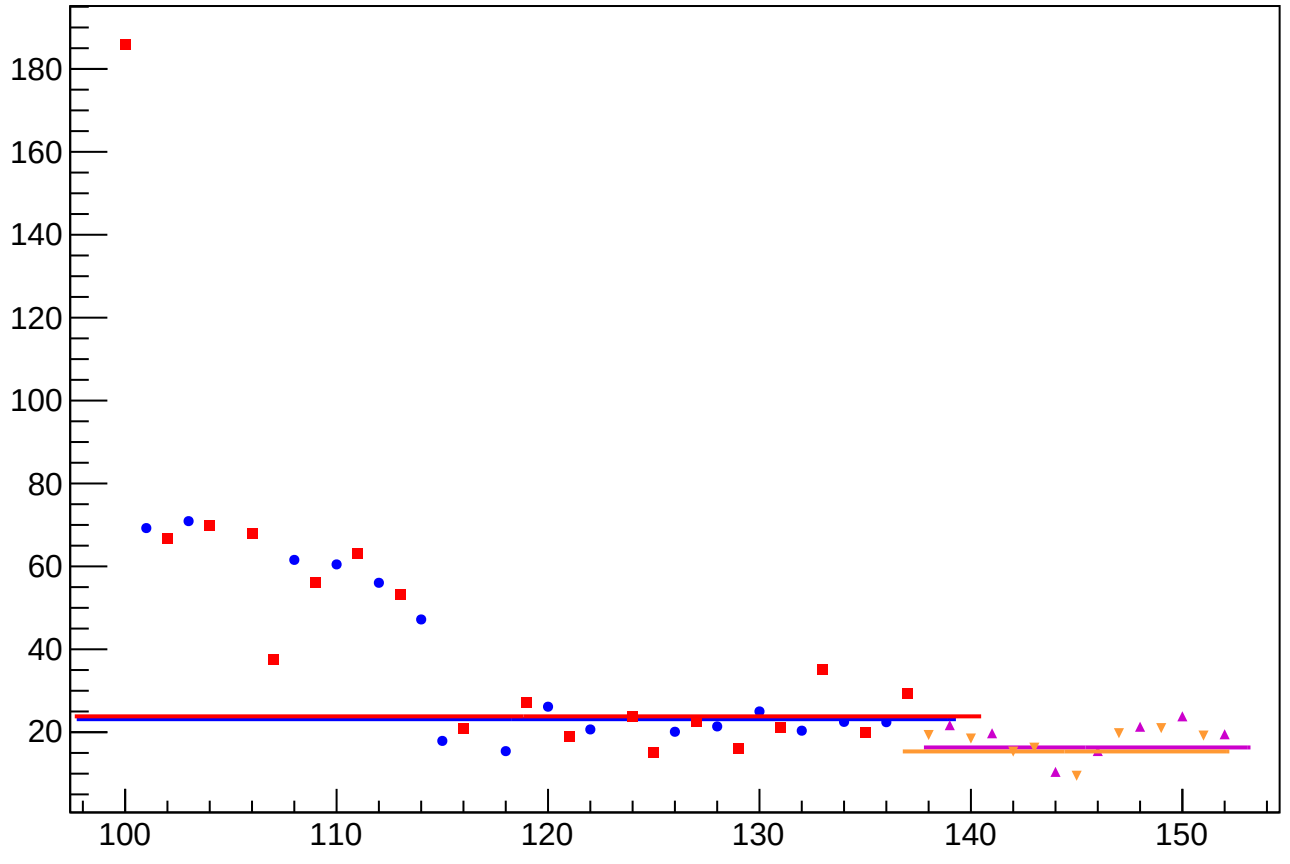
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.007 χ^2/NDF:12.6/6

+ sign 0.003+/-0.005 χ^2/NDF: 18.0/23

All: 0.000+/-0.004 χ^2/NDF: 52.7/49

- sign -0.003+/-0.006 χ^2/NDF: 34.2/25



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.361+/-0.005 χ^2/NDF:915221.9/7

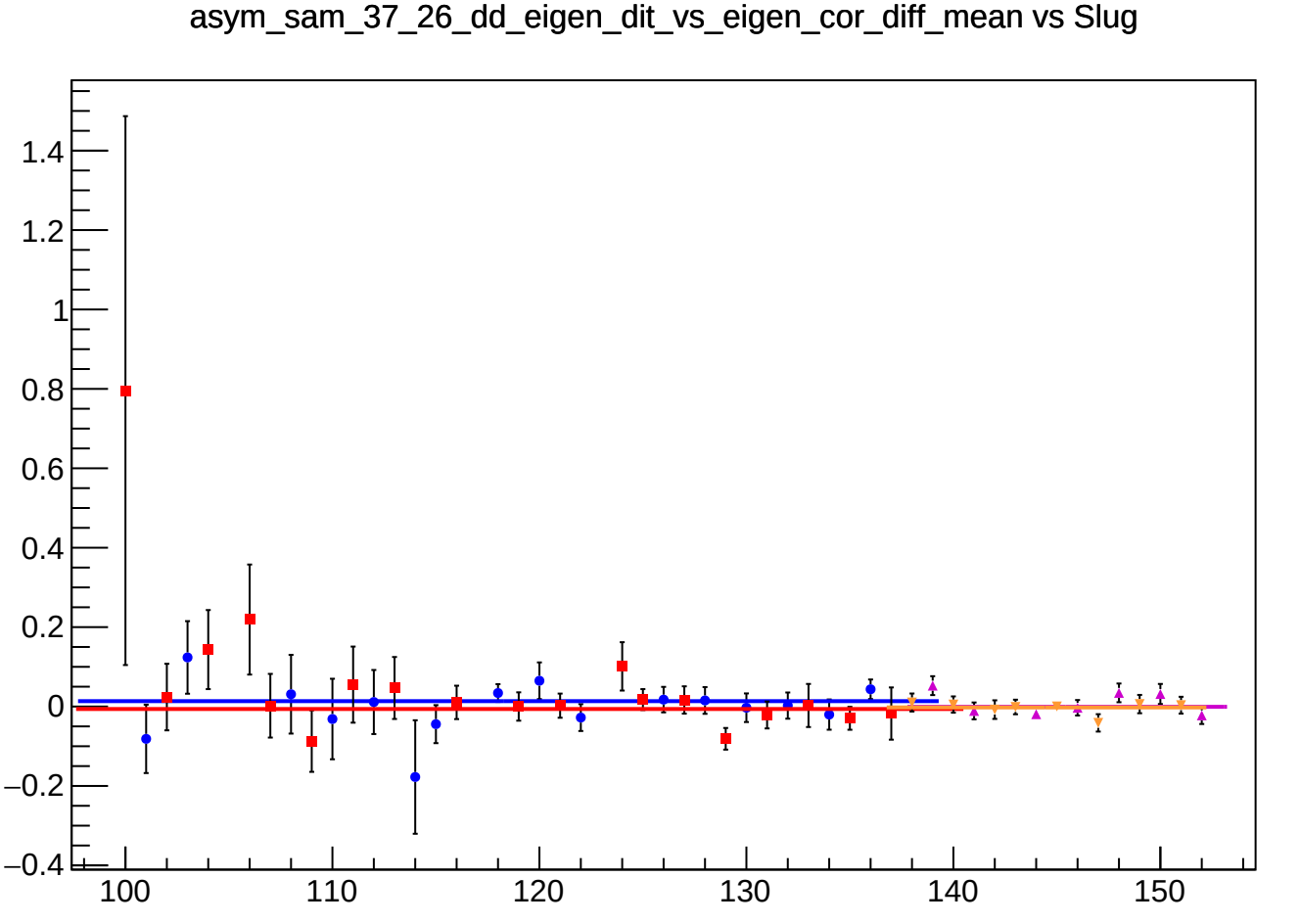
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 16.322+/-0.005 χ^2/NDF:966076.0/6

+ sign 17.761+/-0.004 χ^2/NDF: 4186012.2/23

All: 18.273+/-0.003 χ^2/NDF: 8823533.3/49

- sign 18.860+/-0.004 χ^2/NDF: 4599845.5/25



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.007 χ^2/NDF:3.9/7

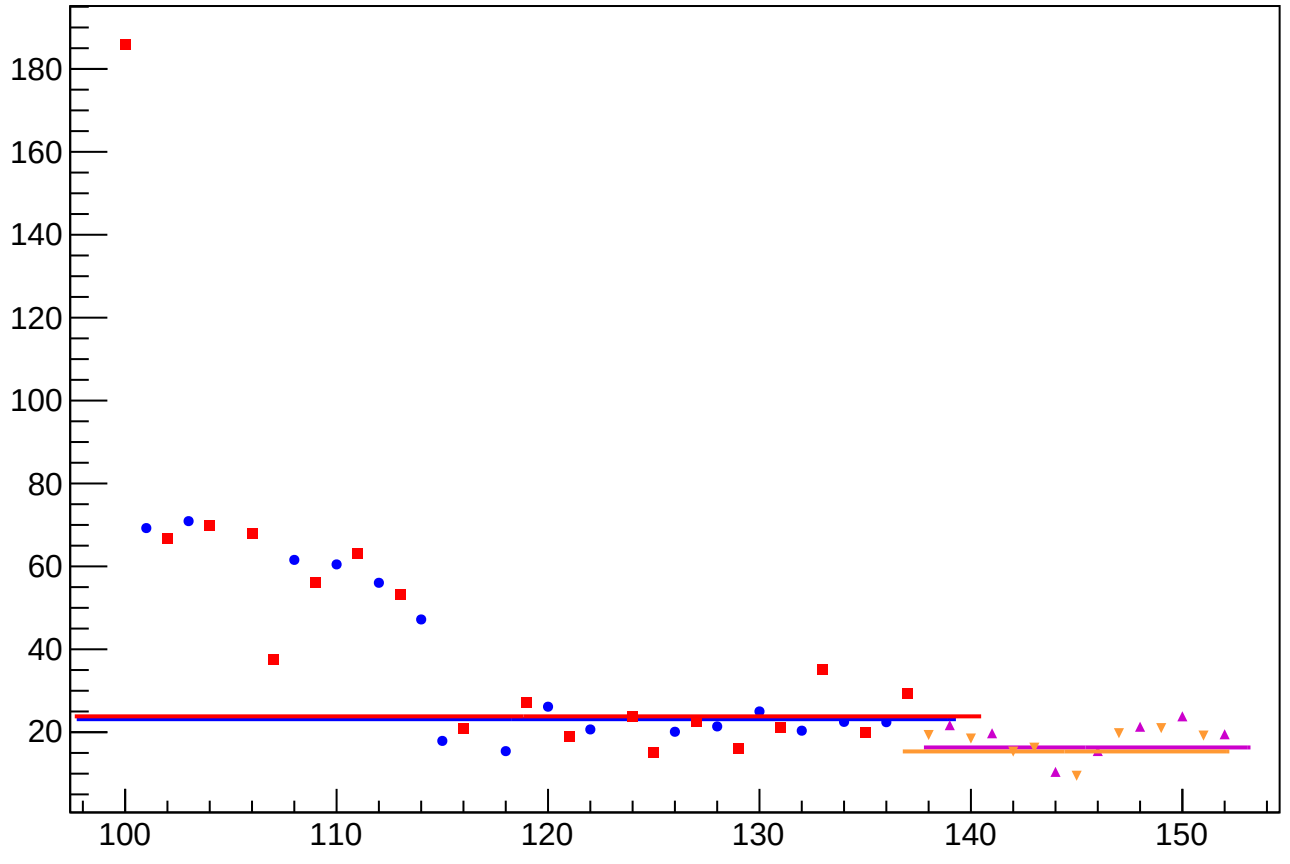
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.007 χ^2/NDF:12.6/6

+ sign 0.003+/-0.005 χ^2/NDF: 18.0/23

All: 0.000+/-0.004 χ^2/NDF: 52.7/49

- sign -0.003+/-0.006 χ^2/NDF: 34.2/25



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.361+/-0.005 χ^2/NDF:915221.9/7

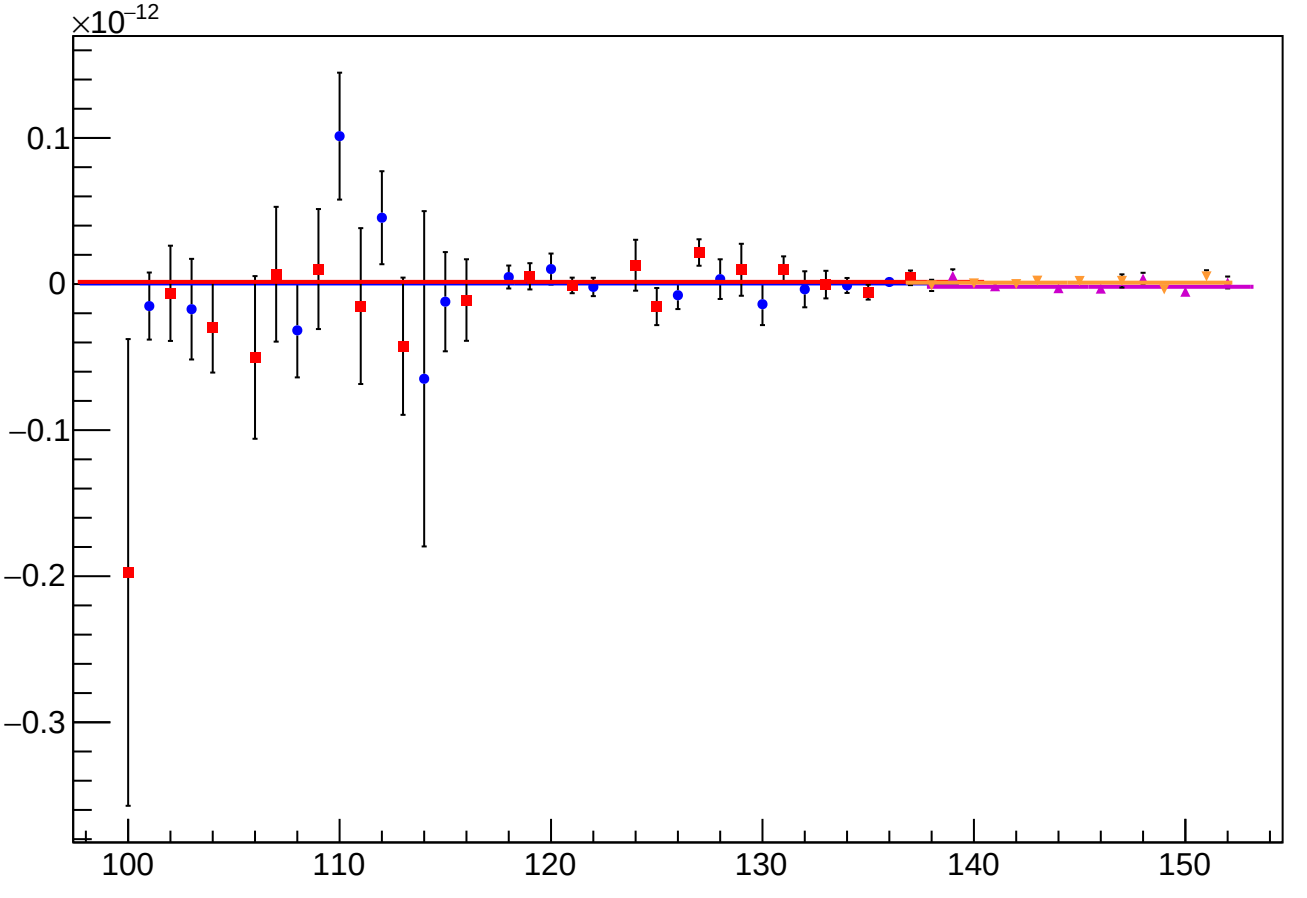
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 16.322+/-0.005 χ^2/NDF:966076.0/6

+ sign 17.761+/-0.004 χ^2/NDF: 4186012.2/23

All: 18.273+/-0.003 χ^2/NDF: 8823533.3/49

- sign 18.860+/-0.004 χ^2/NDF: 4599845.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/7

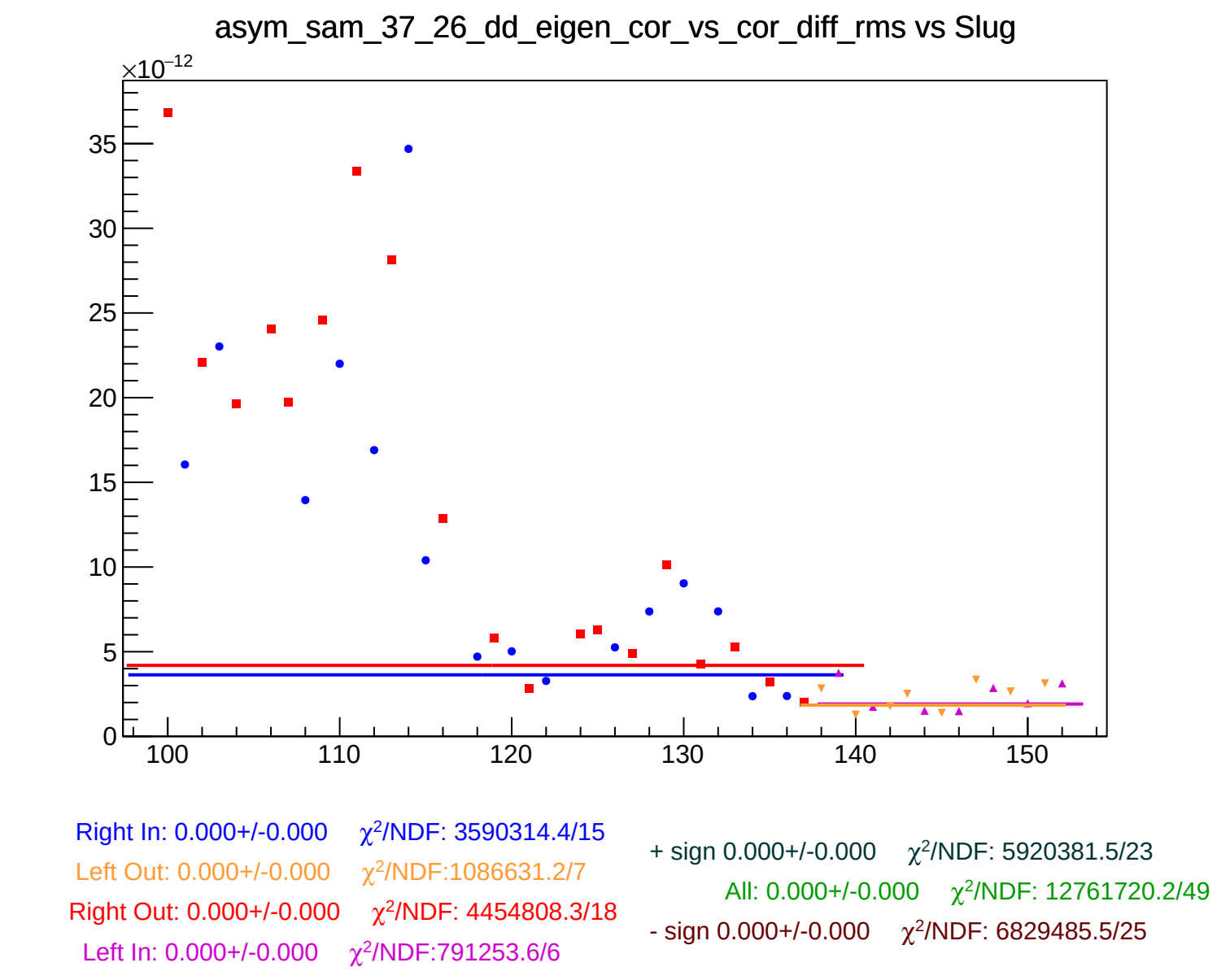
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 16.8/23

All: -0.000+/-0.000 χ^2/NDF: 44.5/49

- sign -0.000+/-0.000 χ^2/NDF: 24.6/25


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
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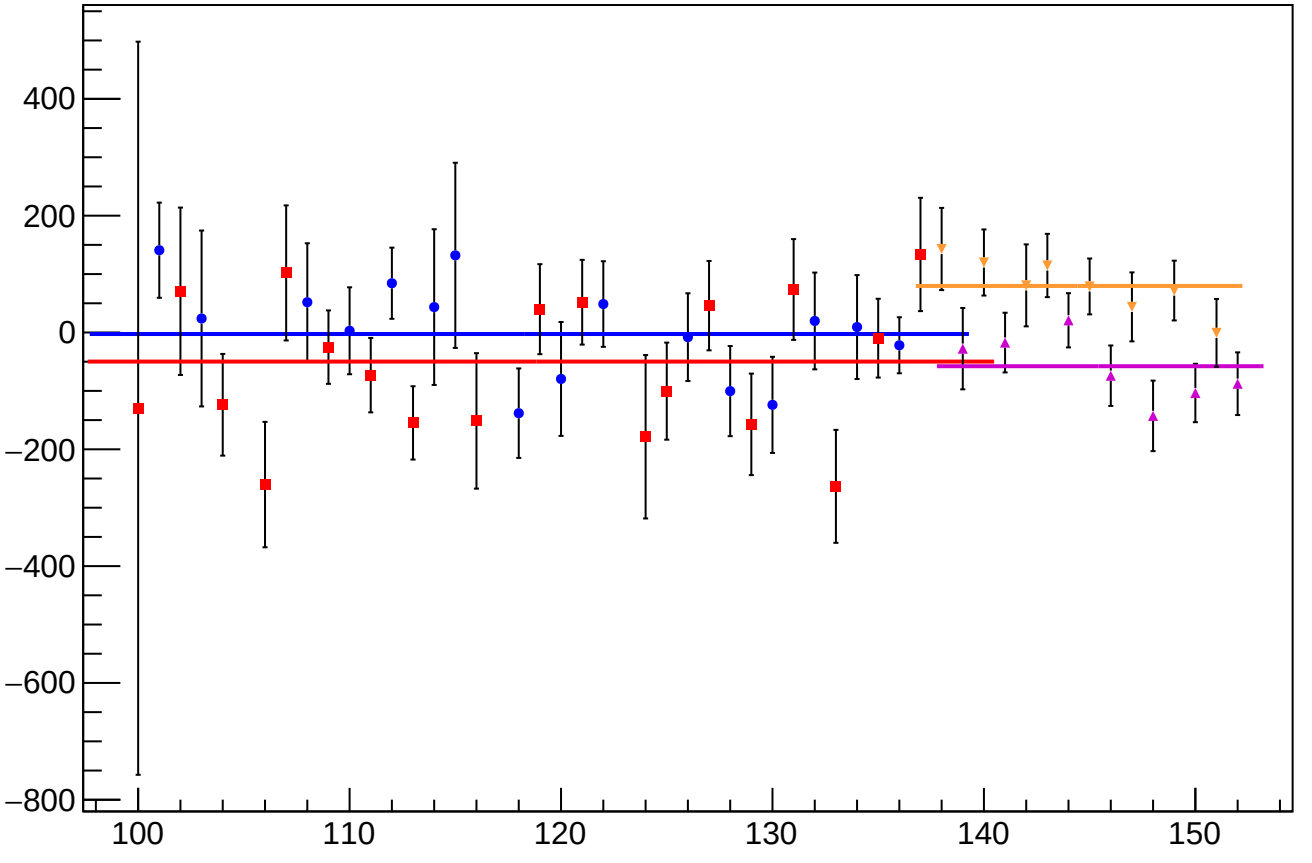
20
15
10
5
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1086631.2/7
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:791253.6/6
+ sign 0.000+/-0.000 χ²/NDF: 5920381.5/23
All: 0.000+/-0.000 χ²/NDF: 12761720.2/49
- sign 0.000+/-0.000 χ²/NDF: 6829485.5/25

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 79.677+/-20.162 χ^2/NDF:4.0/7

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

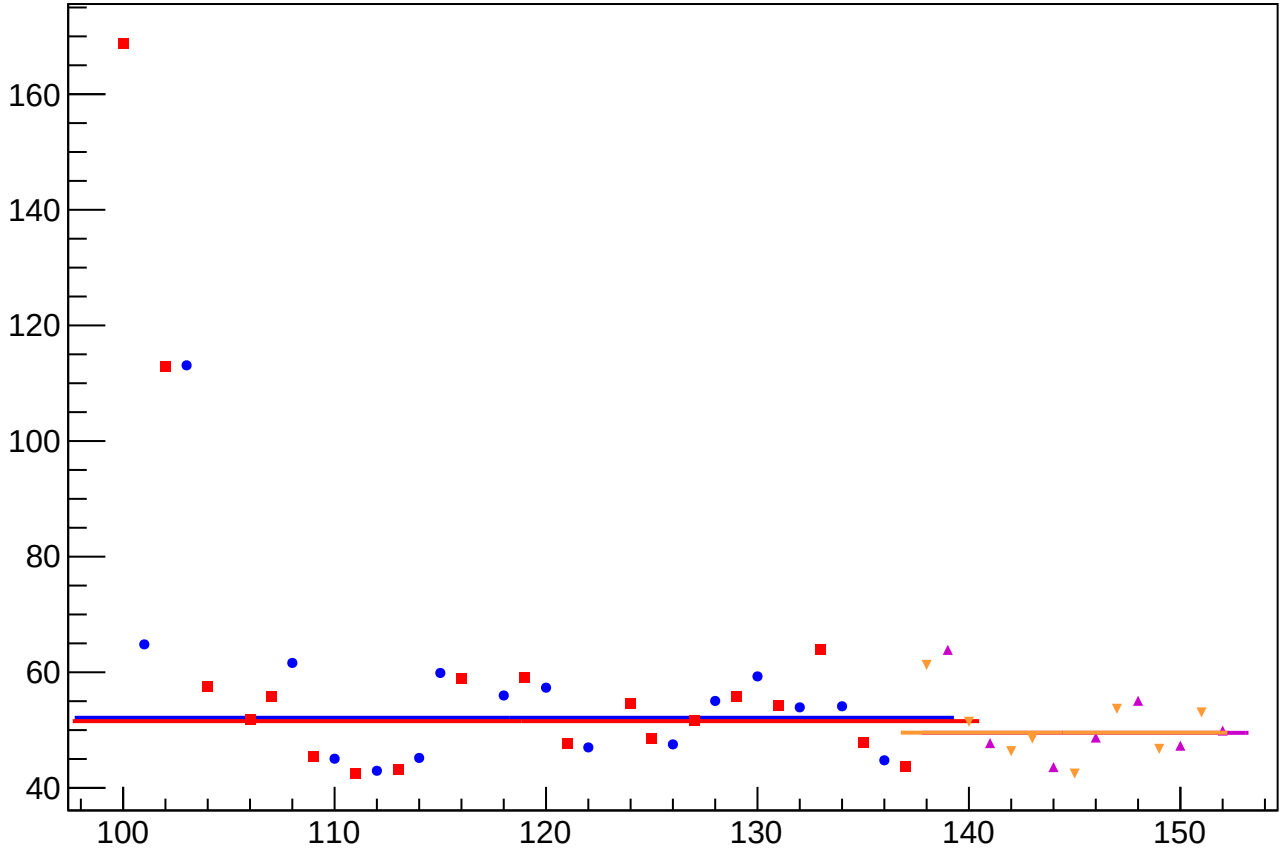
Left In: -57.754+/-20.210 χ^2/NDF:6.9/6

+ sign 38.188+/-14.197 χ^2/NDF: 27.0/23

All: -8.126+/-9.996 χ^2/NDF: 84.5/49

- sign -53.665+/-14.078 χ^2/NDF: 36.3/25

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.557+/-0.014 χ^2/NDF:129417.0/7

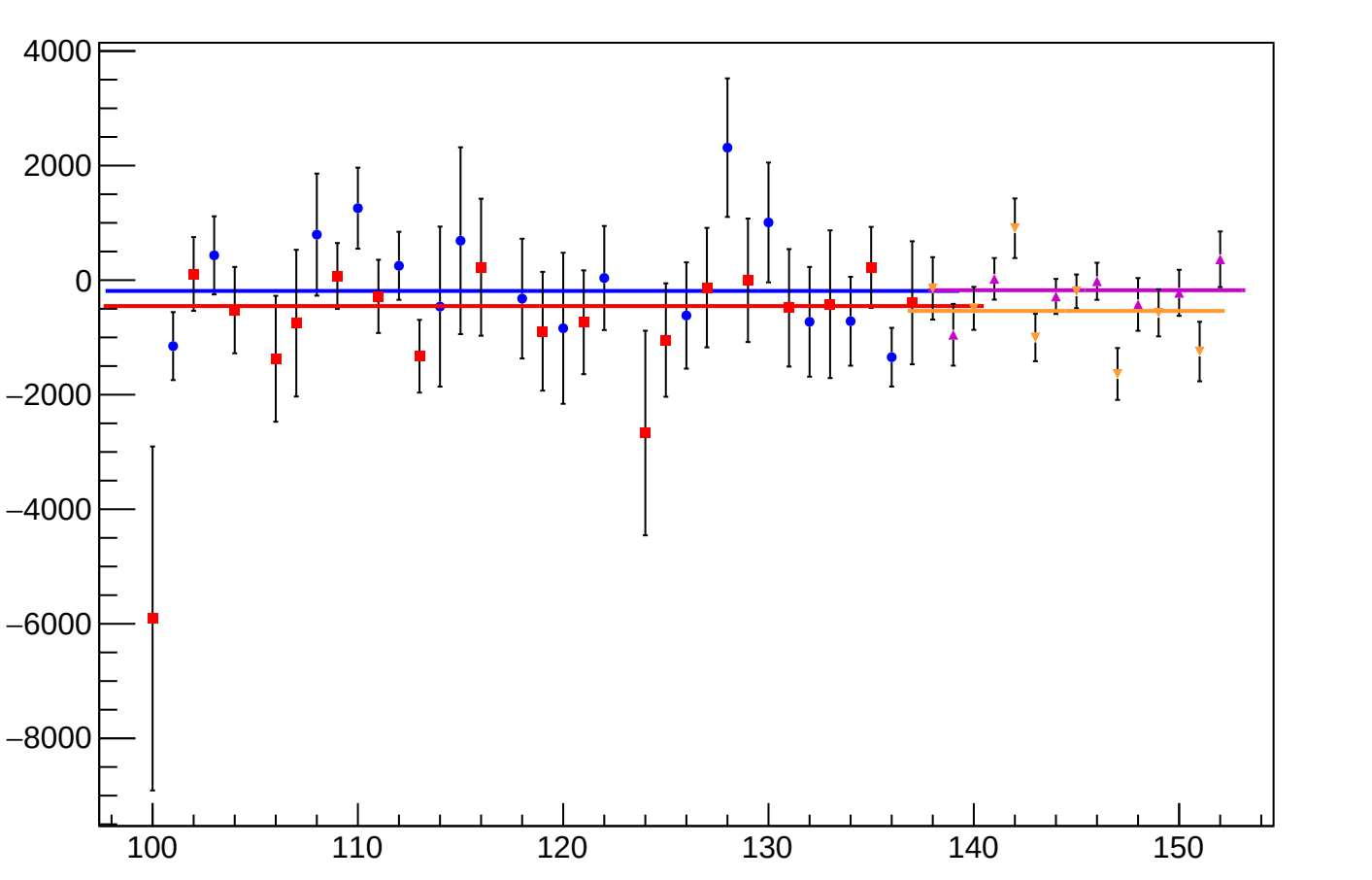
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.526+/-0.014 χ^2/NDF:141289.9/6

+ sign 50.853+/-0.010 χ^2/NDF: 708736.6/23

All: 50.709+/-0.007 χ^2/NDF: 1500323.1/49

- sign 50.568+/-0.010 χ^2/NDF: 791178.4/25



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -537.391+/-147.435 χ^2/NDF:18.6/7

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

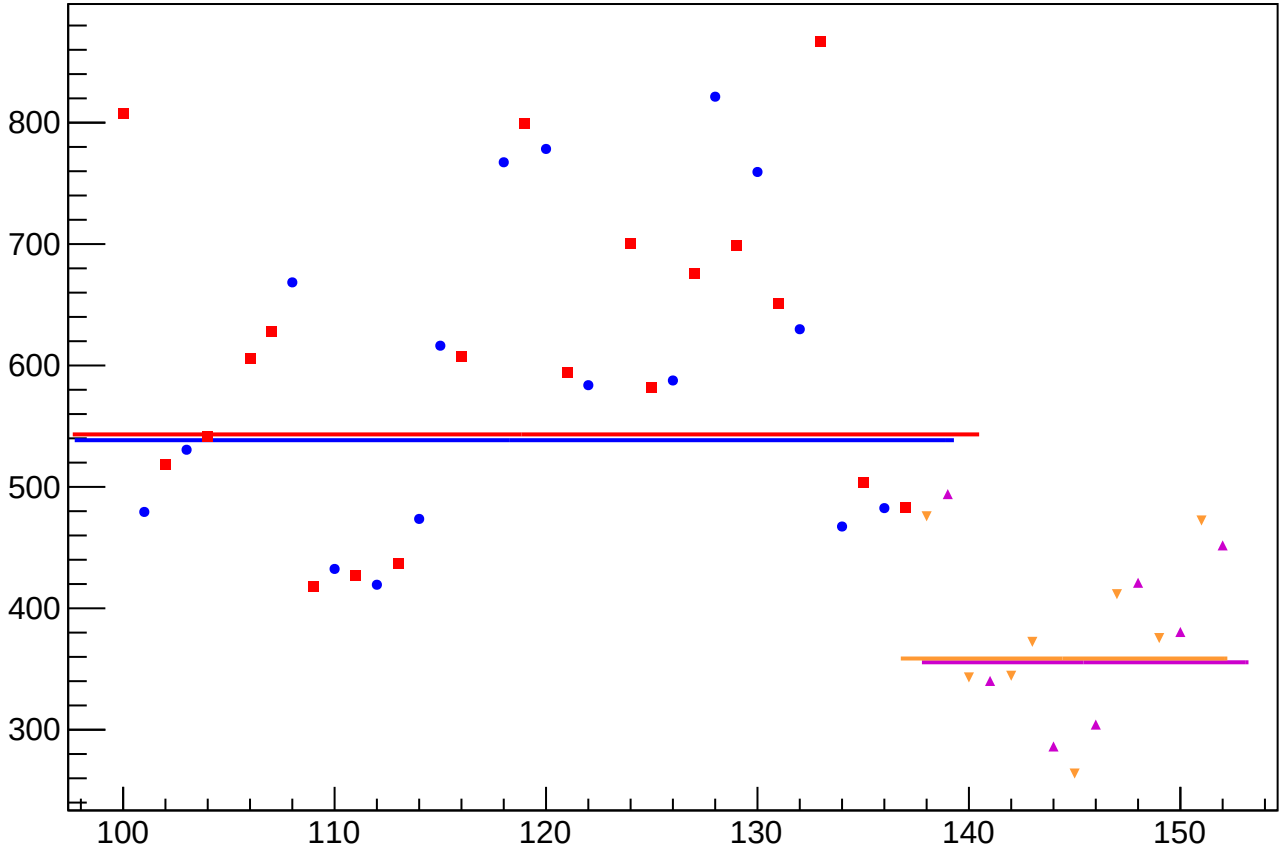
Left In: -176.057+/-146.816 χ^2/NDF:4.3/6

+ sign -419.090+/-119.855 χ^2/NDF: 41.9/23

All: -344.329+/-84.499 χ^2/NDF: 59.4/49

- sign -270.447+/-119.147 χ^2/NDF: 16.8/25

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 358.666+/-0.104 χ^2/NDF:432516.1/7

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

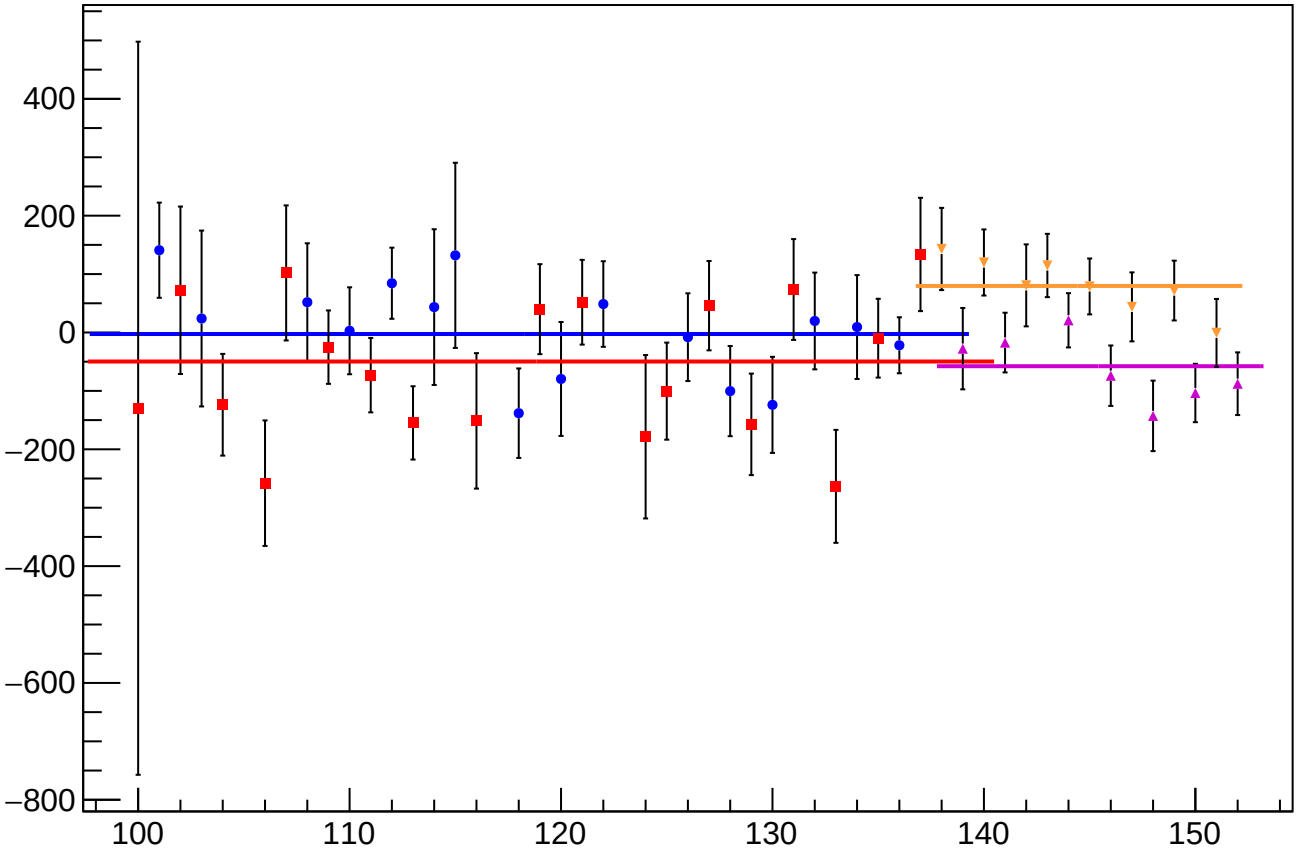
Left In: 355.549+/-0.104 χ^2/NDF:415250.5/6

+ sign 419.644+/-0.085 χ^2/NDF: 2055277.9/23

All: 419.635+/-0.060 χ^2/NDF: 4223573.6/49

- sign 419.627+/-0.084 χ^2/NDF: 2168295.6/25

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 79.681+/-20.162 χ^2/NDF:4.0/7

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

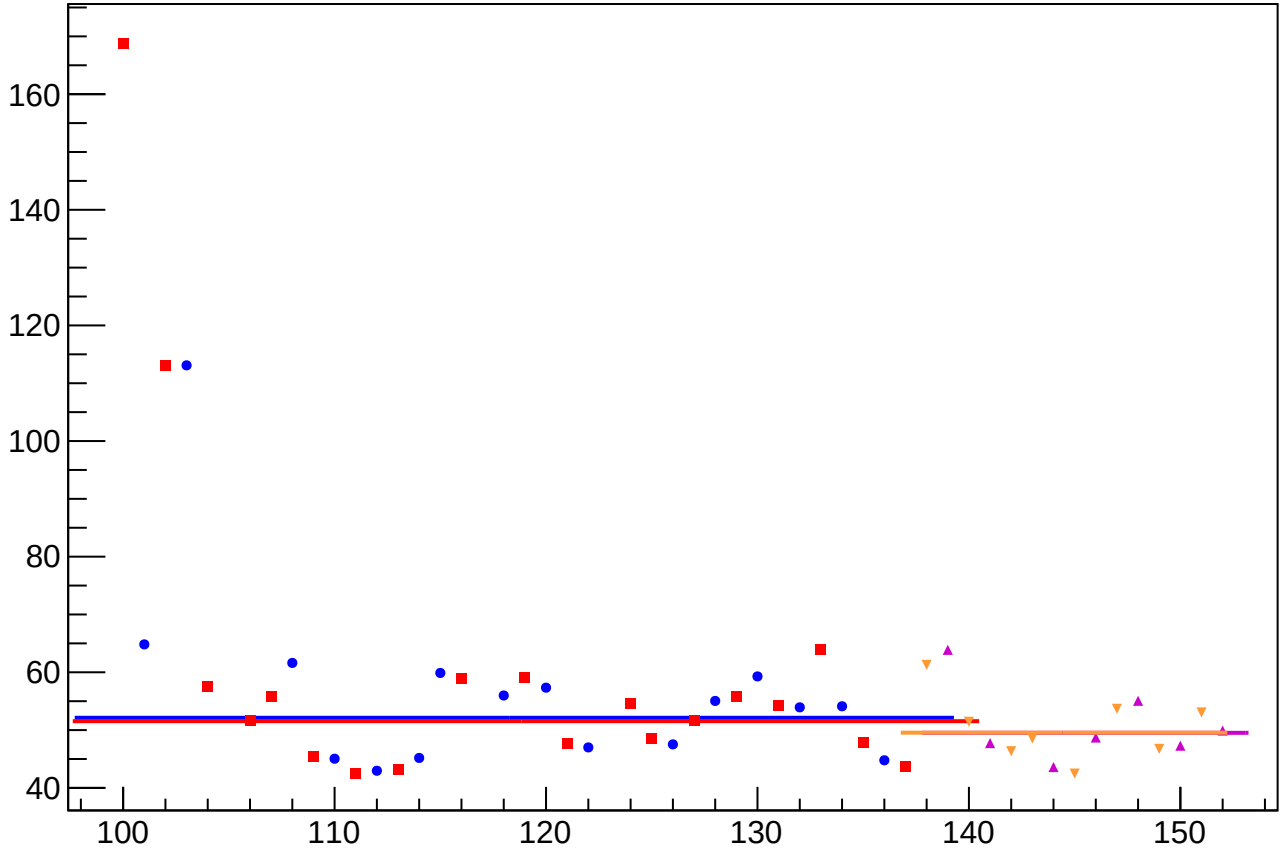
Left In: -57.755+/-20.210 χ^2/NDF:6.9/6

+ sign 38.188+/-14.197 χ^2/NDF: 27.0/23

All: -8.095+/-9.996 χ^2/NDF: 84.4/49

- sign -53.605+/-14.078 χ^2/NDF: 36.3/25

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.557+/-0.014 χ^2/NDF:129417.0/7

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

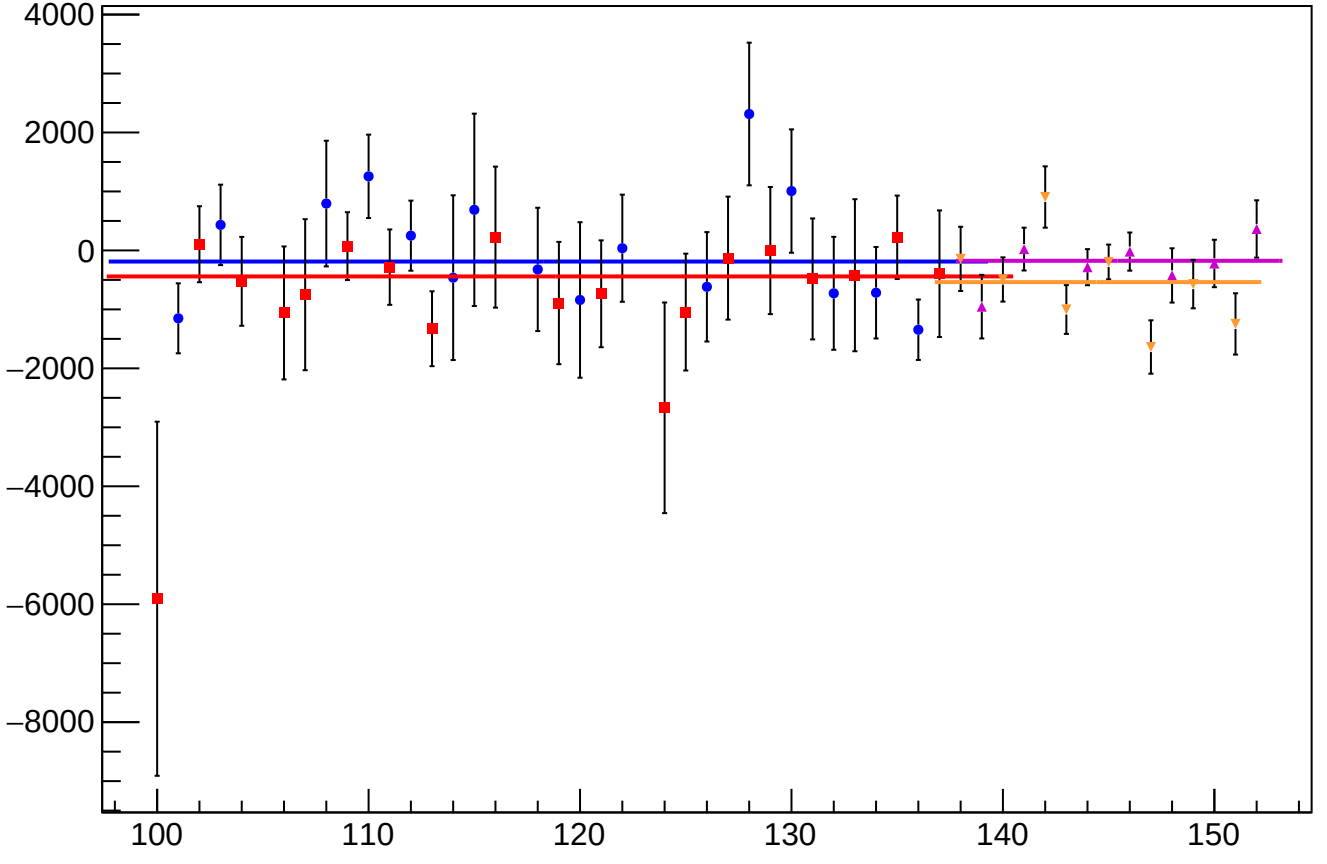
Left In: 49.526+/-0.014 χ^2/NDF:141289.9/6

+ sign 50.853+/-0.010 χ^2/NDF: 708738.9/23

All: 50.707+/-0.007 χ^2/NDF: 1500455.4/49

- sign 50.563+/-0.010 χ^2/NDF: 791293.1/25

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -537.386+/-147.435 χ^2/NDF:18.6/7

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

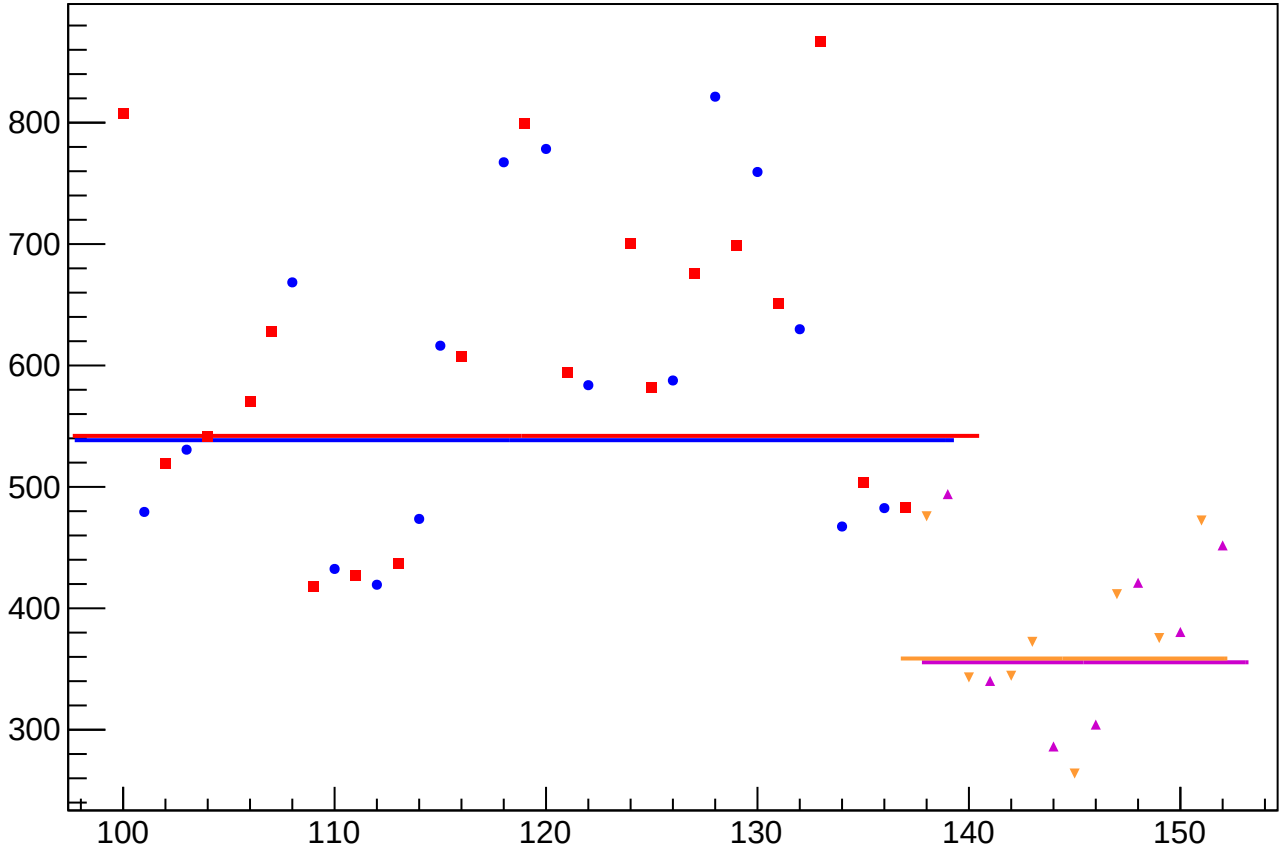
Left In: -176.061+/-146.816 χ^2/NDF:4.3/6

\+ sign -419.081+/-119.855 χ^2/NDF: 41.9/23

All: -342.341+/-84.513 χ^2/NDF: 58.9/49

\- sign -266.456+/-119.186 χ^2/NDF: 16.3/25

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 358.666+/-0.104 χ^2/NDF:432518.9/7

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

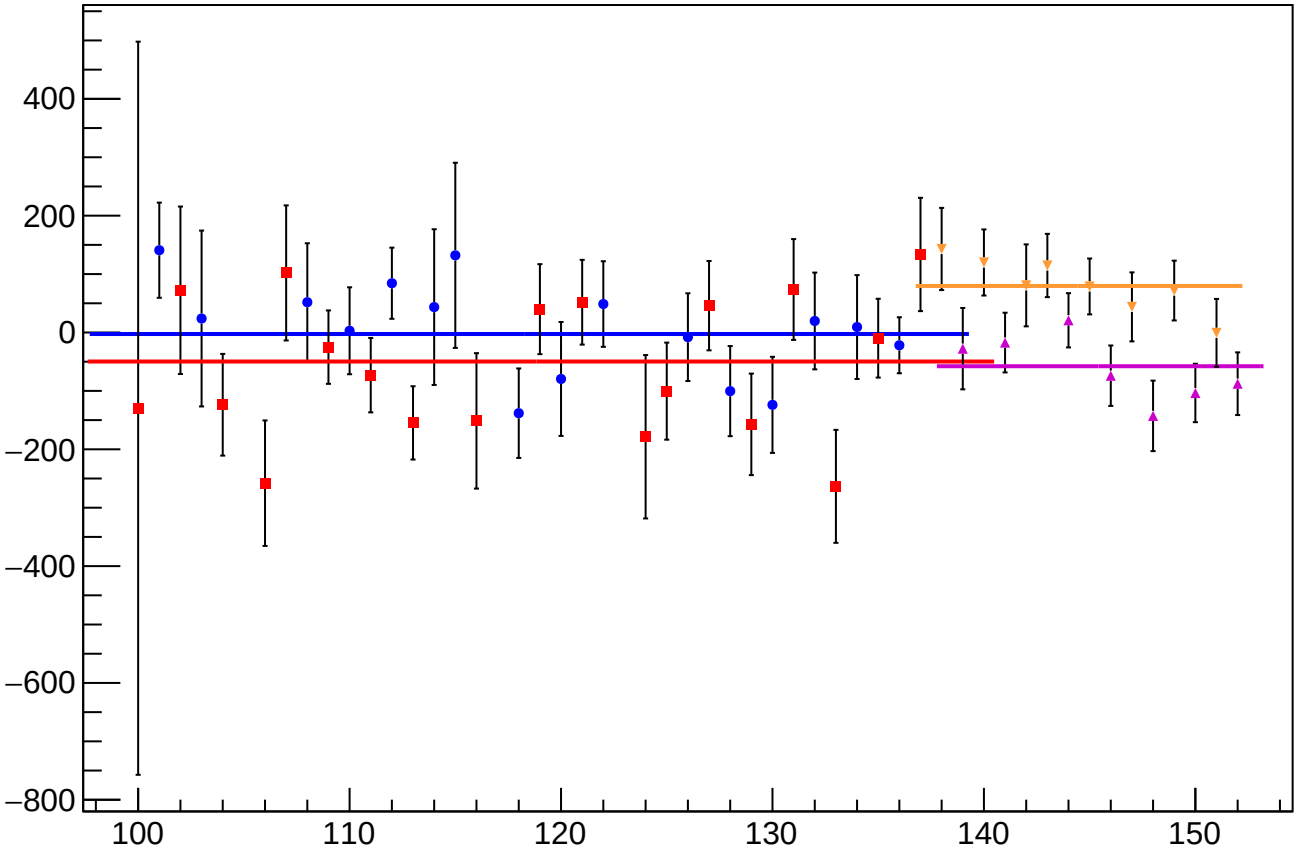
Left In: 355.549+/-0.104 χ^2/NDF:415250.1/6

+ sign 419.644+/-0.085 χ^2/NDF: 2055325.4/23

All: 419.387+/-0.060 χ^2/NDF: 4202293.2/49

- sign 419.132+/-0.084 χ^2/NDF: 2146949.5/25

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 79.681+/-20.162 χ^2/NDF:4.0/7

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

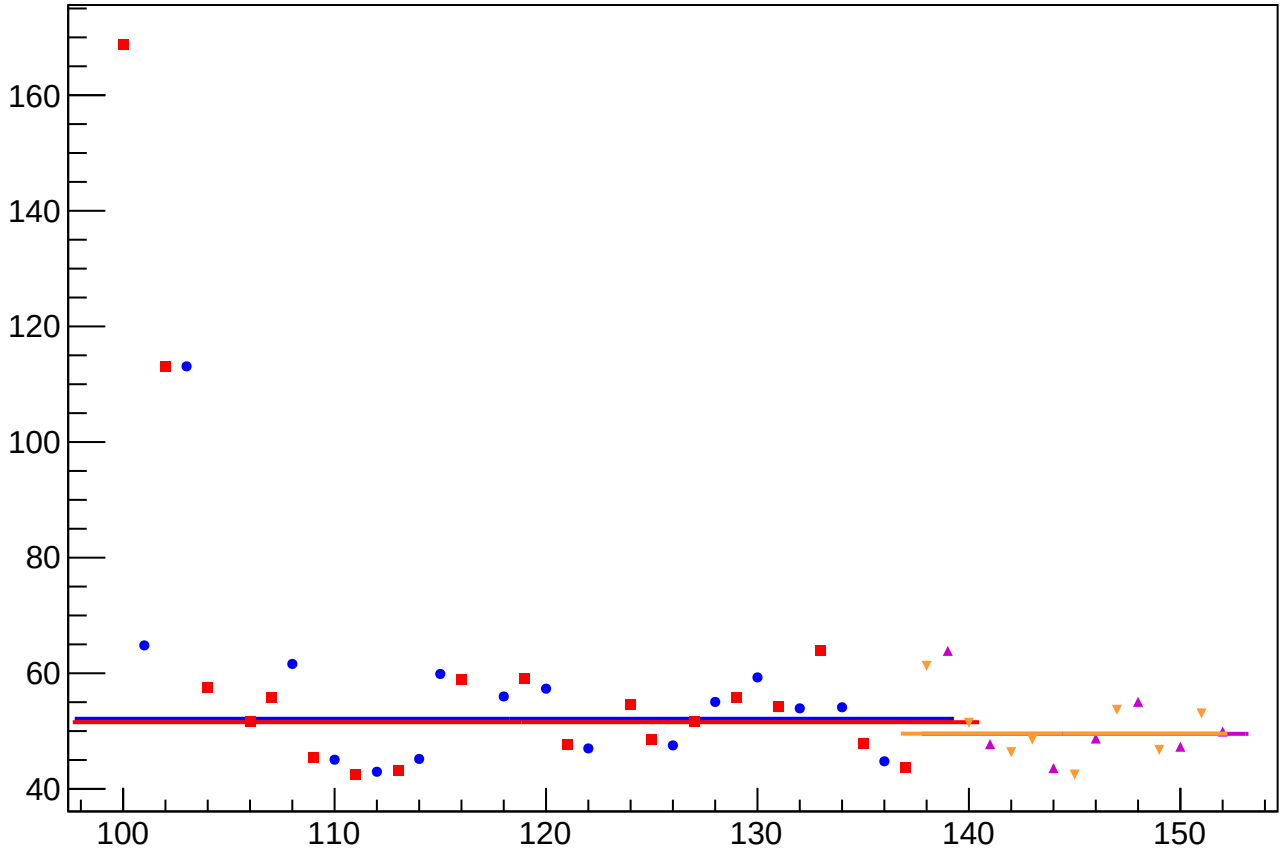
Left In: -57.755+/-20.210 χ^2/NDF:6.9/6

+ sign 38.188+/-14.197 χ^2/NDF: 27.0/23

All: -8.095+/-9.996 χ^2/NDF: 84.4/49

- sign -53.605+/-14.078 χ^2/NDF: 36.3/25

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.557+/-0.014 χ^2/NDF:129417.0/7

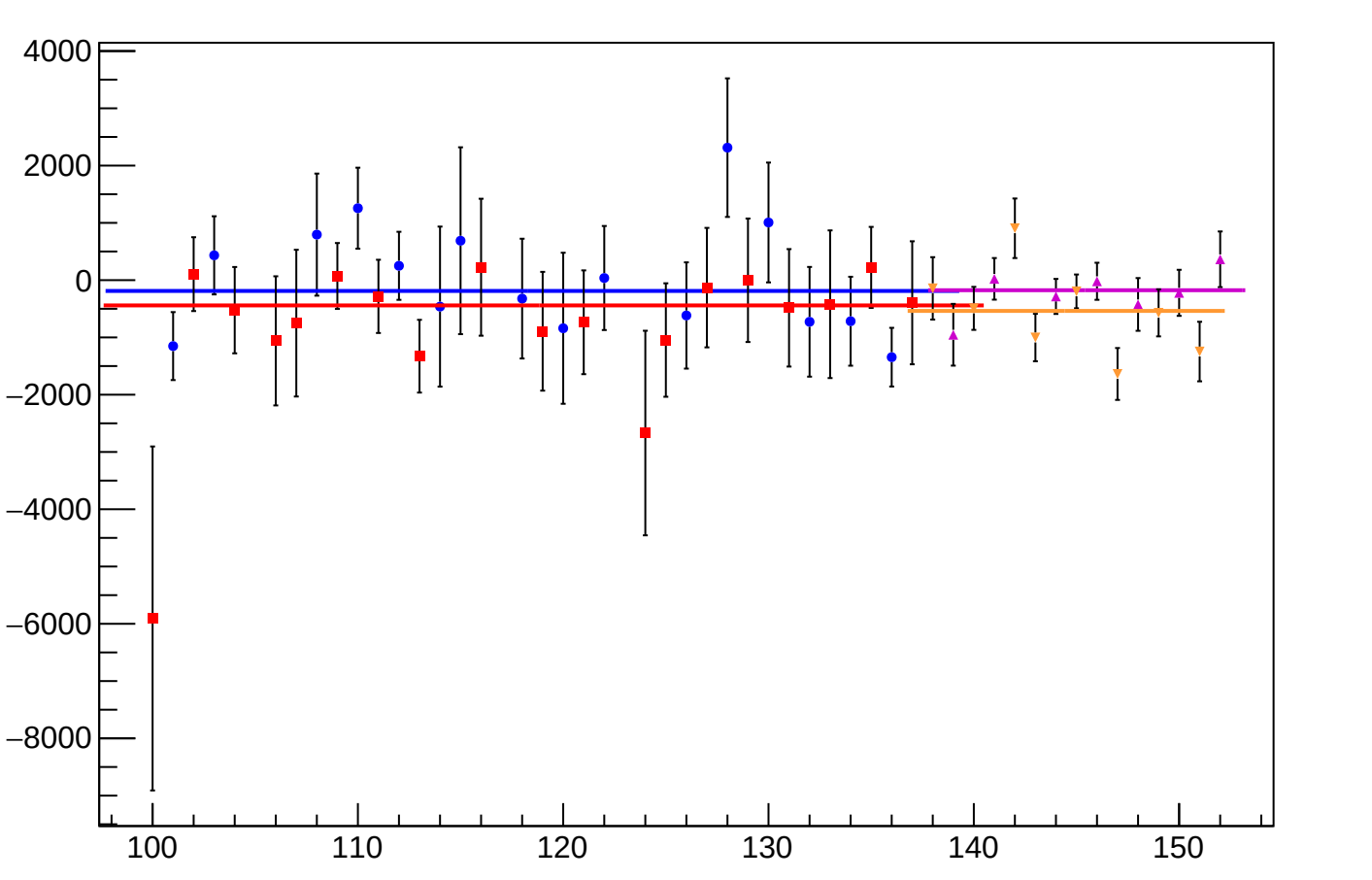
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.526+/-0.014 χ^2/NDF:141289.9/6

+ sign 50.853+/-0.010 χ^2/NDF: 708738.9/23

All: 50.707+/-0.007 χ^2/NDF: 1500455.4/49

- sign 50.563+/-0.010 χ^2/NDF: 791293.1/25



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -537.386+/-147.435 χ^2/NDF:18.6/7

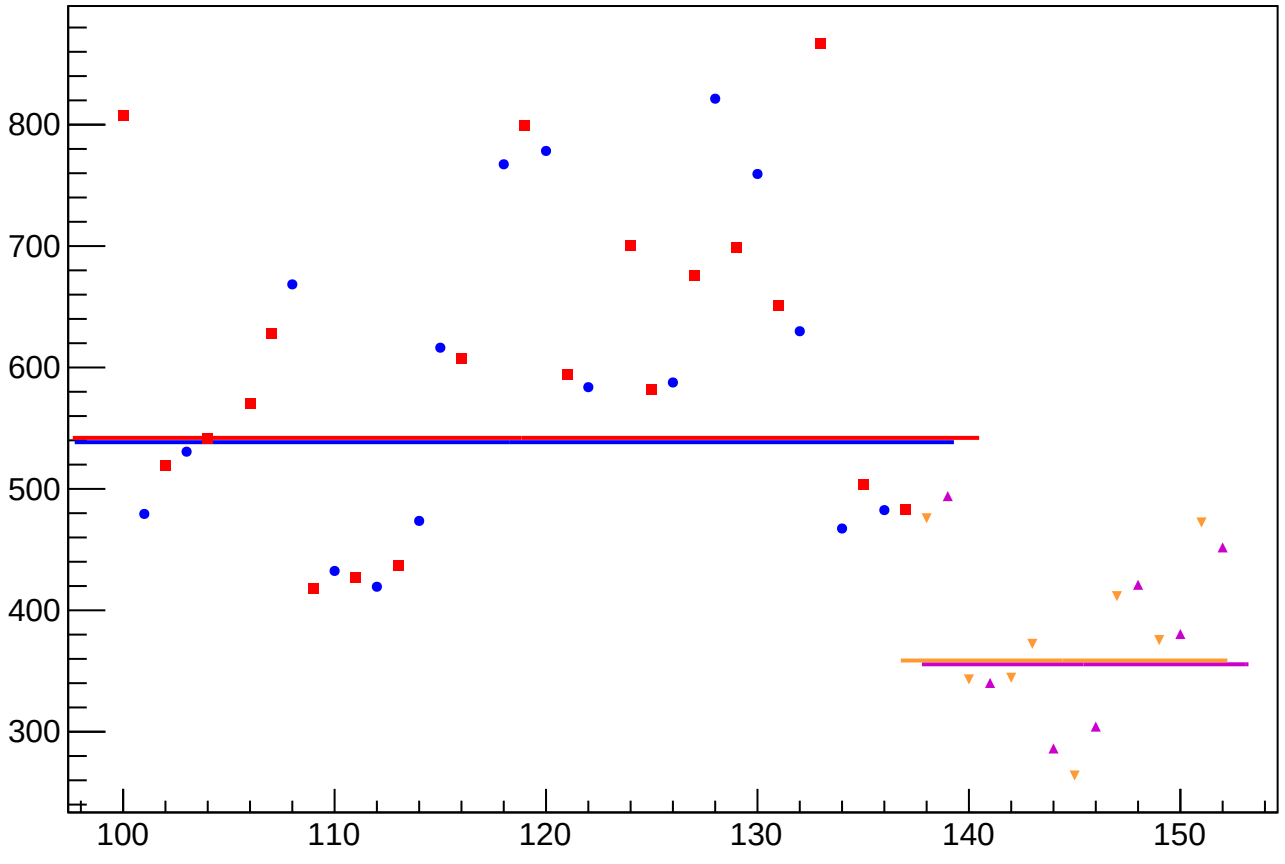
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -176.061+/-146.816 χ^2/NDF:4.3/6

+ sign -419.081+/-119.855 χ^2/NDF: 41.9/23

All: -342.341+/-84.513 χ^2/NDF: 58.9/49

- sign -266.456+/-119.186 χ^2/NDF: 16.3/25



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 358.666+/-0.104 χ^2/NDF:432518.9/7

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

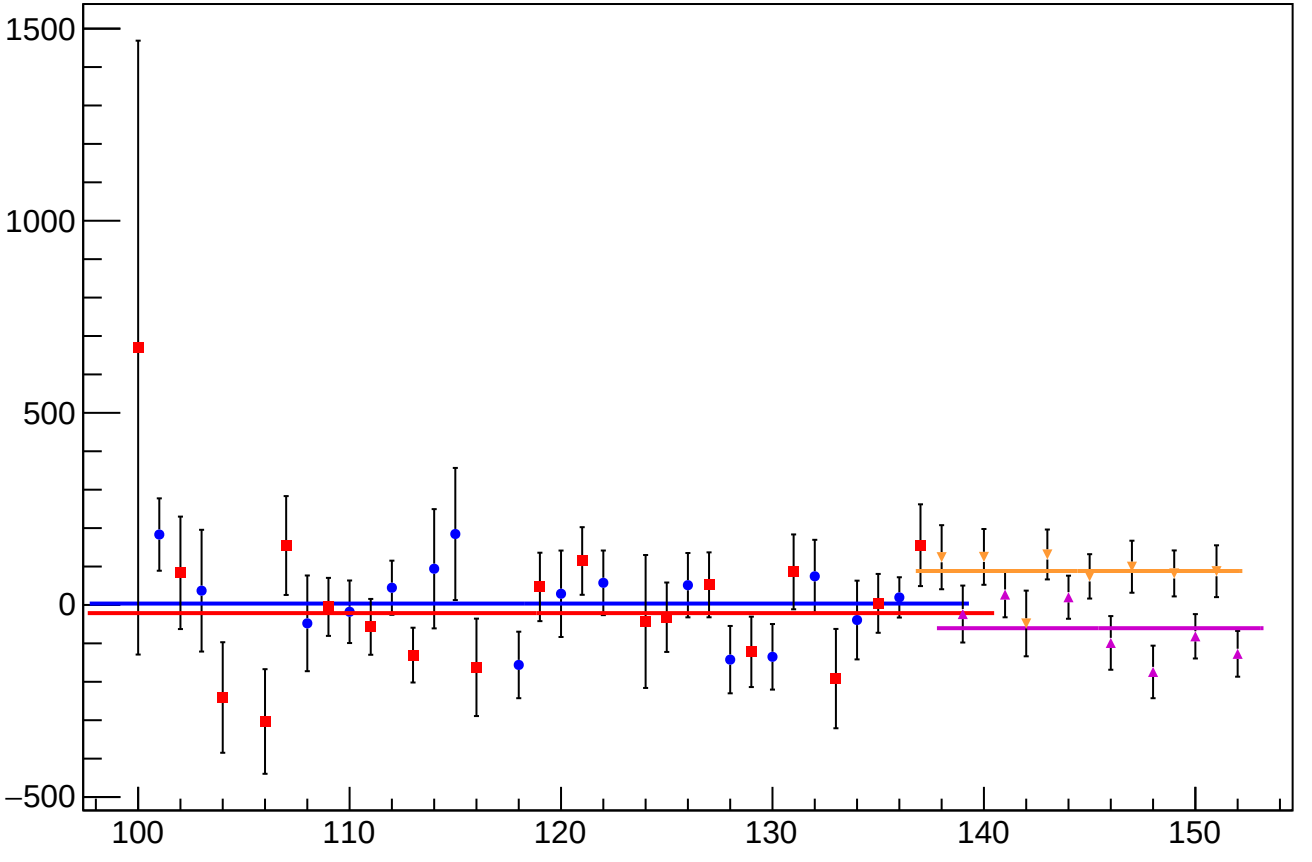
Left In: 355.549+/-0.104 χ^2/NDF:415250.1/6

+ sign 419.644+/-0.085 χ^2/NDF: 2055325.4/23

All: 419.387+/-0.060 χ^2/NDF: 4202293.2/49

- sign 419.132+/-0.084 χ^2/NDF: 2146949.5/25

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 88.352+/-24.081 χ^2/NDF:3.5/7

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

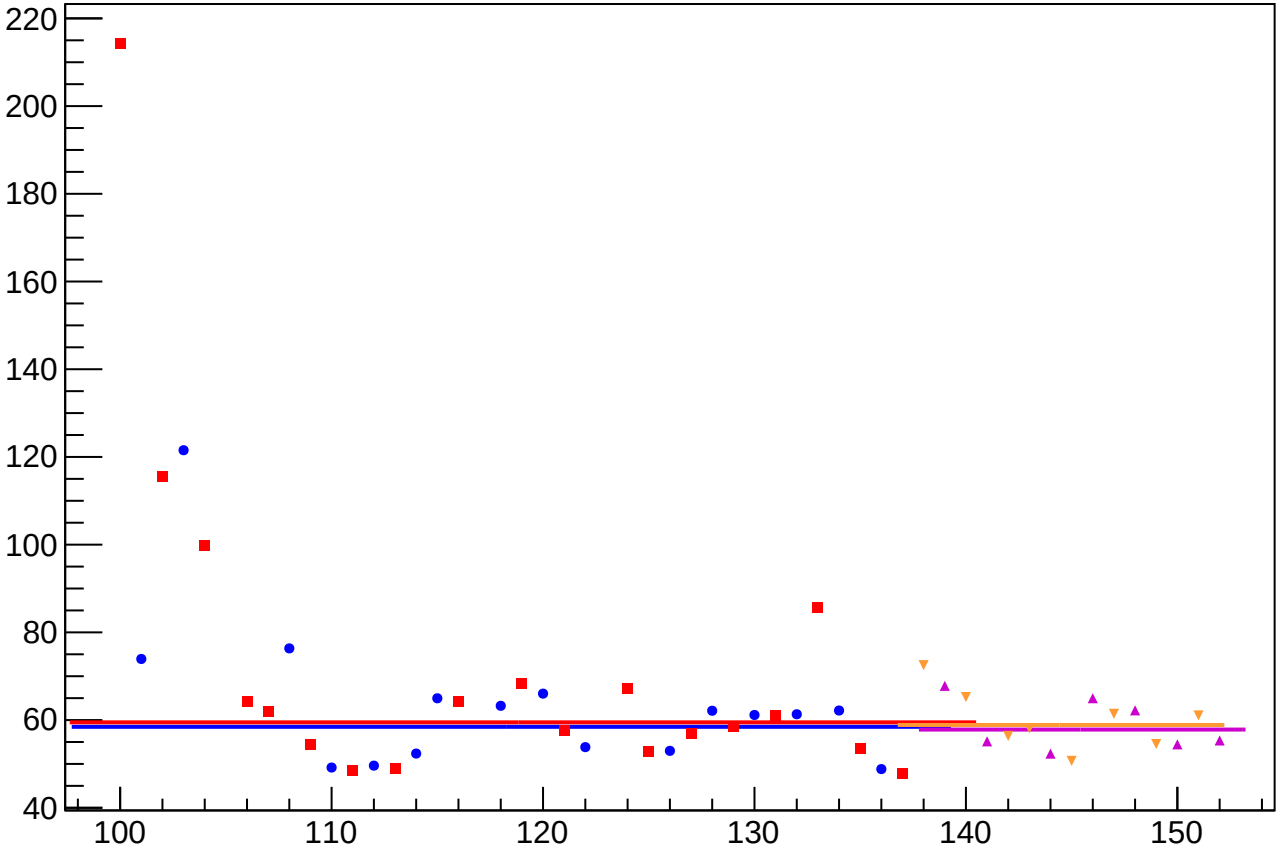
Left In: -60.493+/-23.666 χ^2/NDF:9.0/6

+ sign 43.064+/-16.432 χ^2/NDF: 26.3/23

All: 1.413+/-11.611 χ^2/NDF: 73.9/49

- sign -40.115+/-16.408 χ^2/NDF: 34.8/25

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 58.883+/-0.017 χ^2/NDF:126473.7/7

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

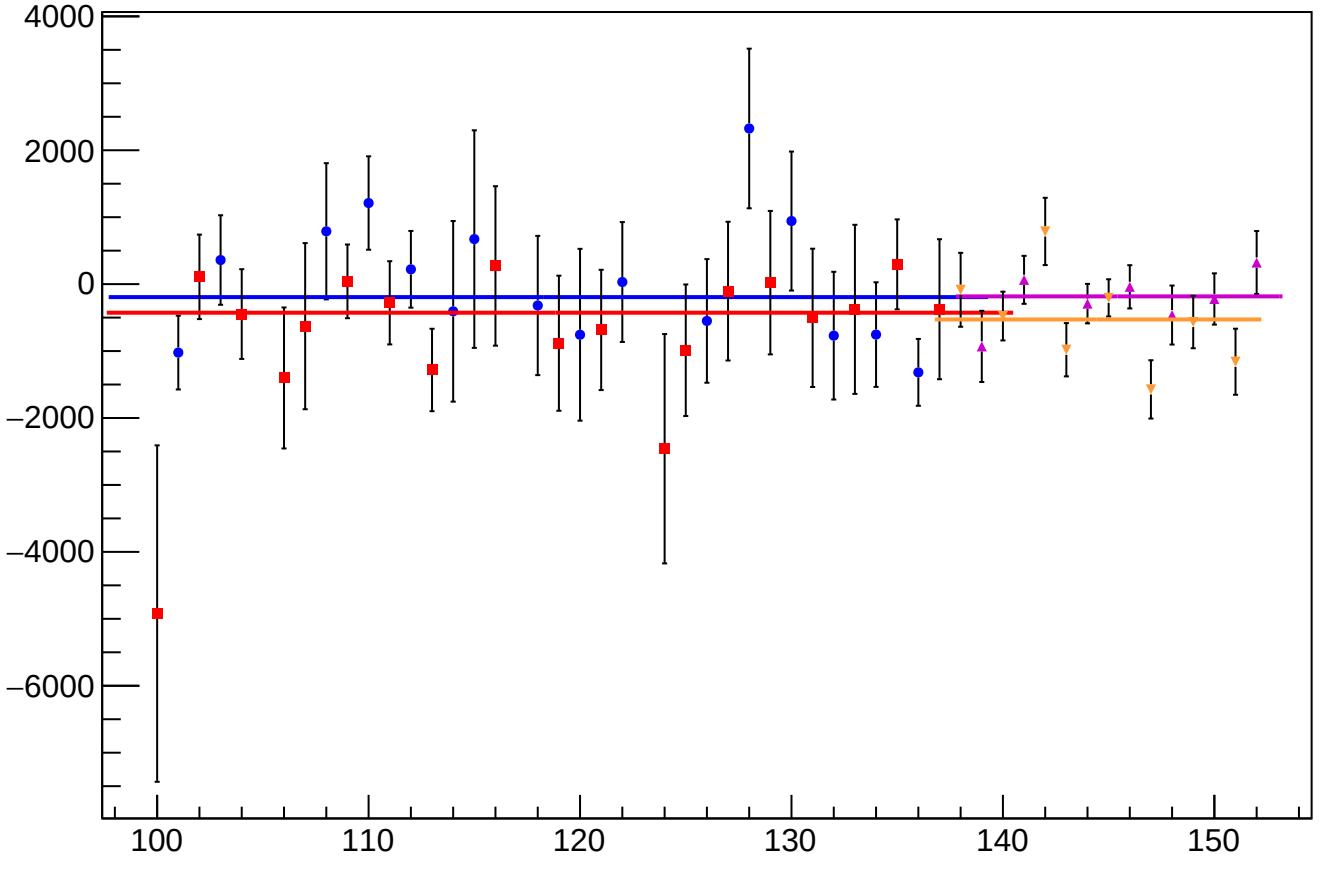
Left In: 57.836+/-0.017 χ^2/NDF:98881.3/6

+ sign 58.660+/-0.012 χ^2/NDF: 709780.1/23

All: 58.676+/-0.008 χ^2/NDF: 1598579.7/49

- sign 58.692+/-0.012 χ^2/NDF: 888795.8/25

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -527.653+/-141.567 χ^2/NDF:17.5/7

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

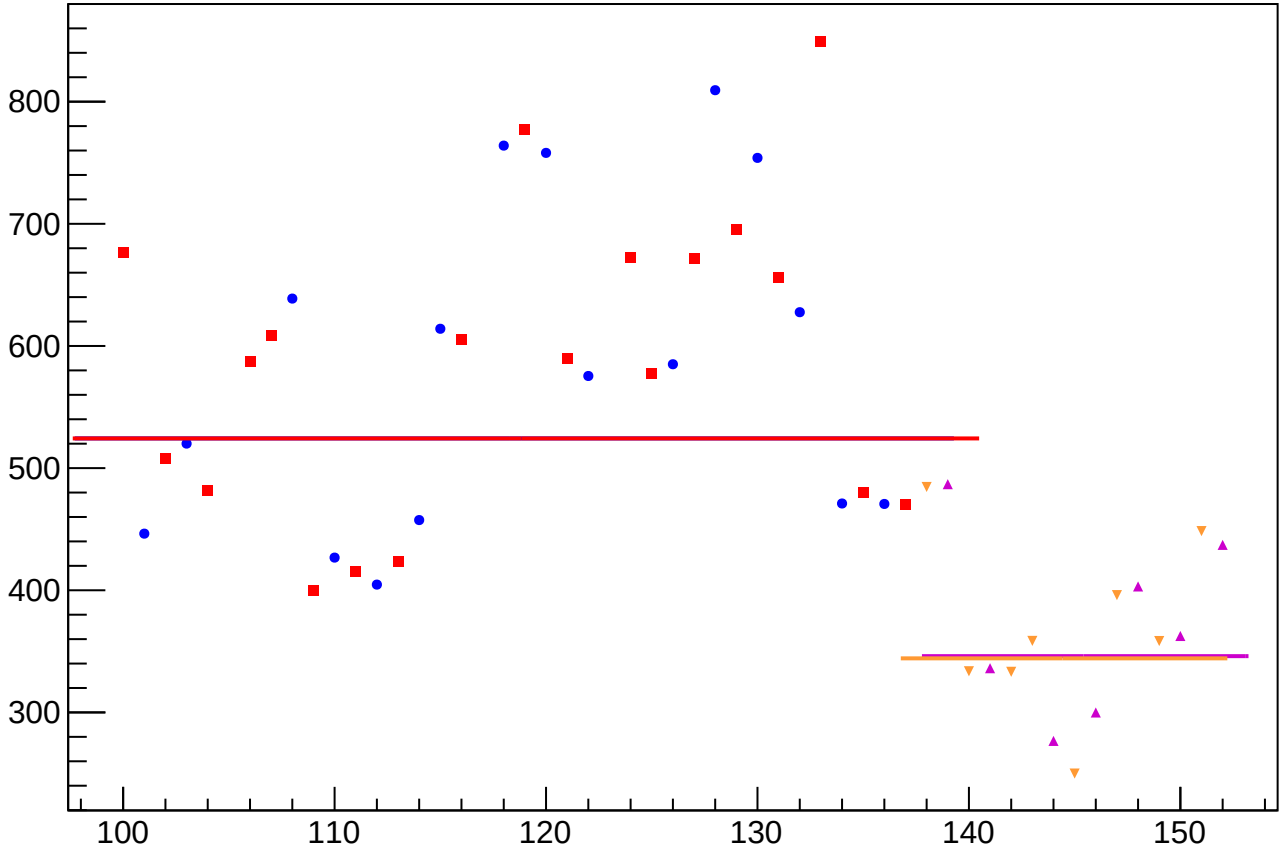
Left In: -183.203+/-143.022 χ^2/NDF:4.3/6

+ sign -416.696+/-115.665 χ^2/NDF: 40.2/23

All: -342.065+/-81.814 χ^2/NDF: 57.7/49

- sign -267.340+/-115.738 χ^2/NDF: 16.7/25

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 344.261+/-0.100 χ^2/NDF:484415.0/7

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

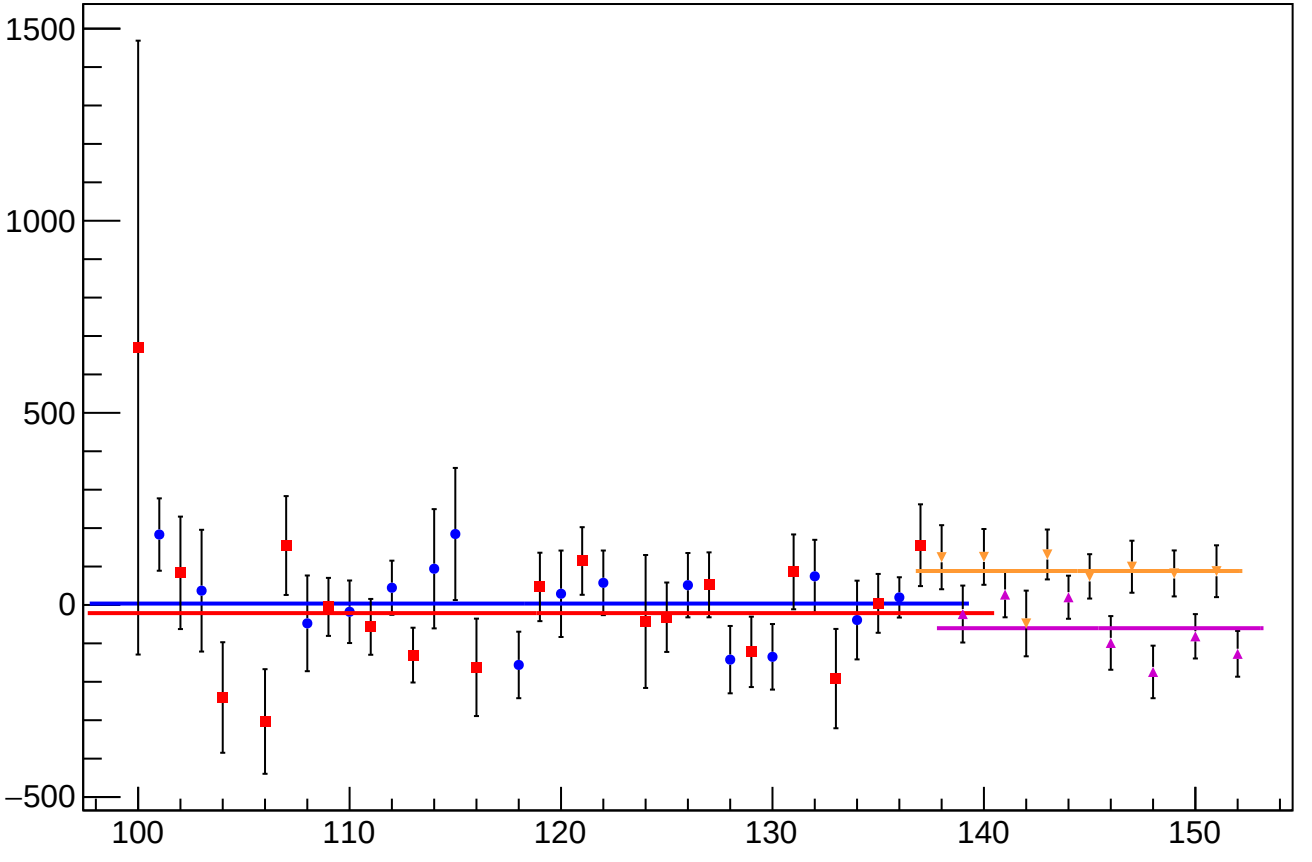
Left In: 346.069+/-0.101 χ^2/NDF:405350.8/6

+ sign 404.124+/-0.082 χ^2/NDF: 2218618.4/23

All: 405.854+/-0.058 χ^2/NDF: 4382984.2/49

- sign 407.587+/-0.082 χ^2/NDF: 2163470.0/25

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 88.352+/-24.081 χ^2/NDF:3.5/7

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

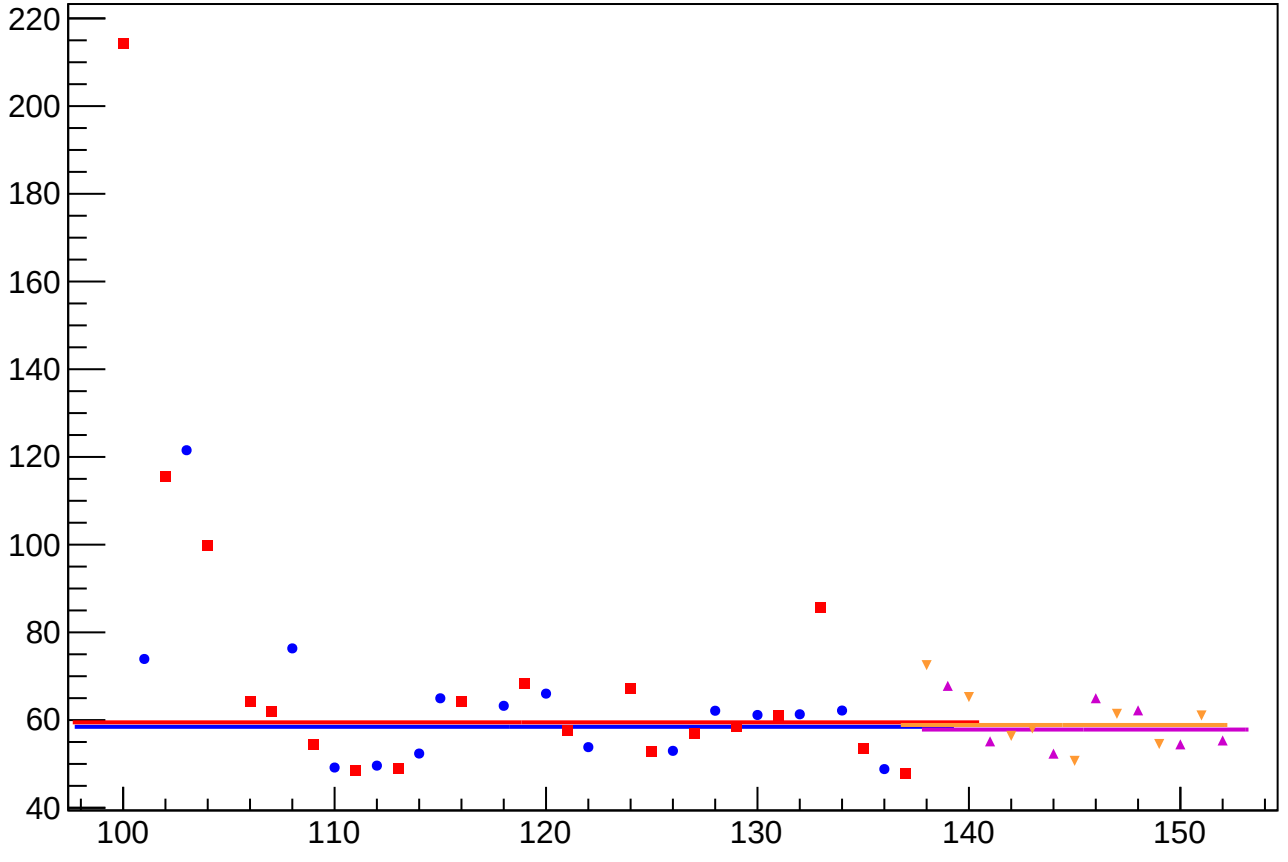
Left In: -60.493+/-23.667 χ^2/NDF:9.0/6

+ sign 43.064+/-16.433 χ^2/NDF: 26.3/23

All: 1.413+/-11.611 χ^2/NDF: 73.9/49

- sign -40.114+/-16.408 χ^2/NDF: 34.8/25

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 58.884+/-0.017 χ^2/NDF:126473.8/7

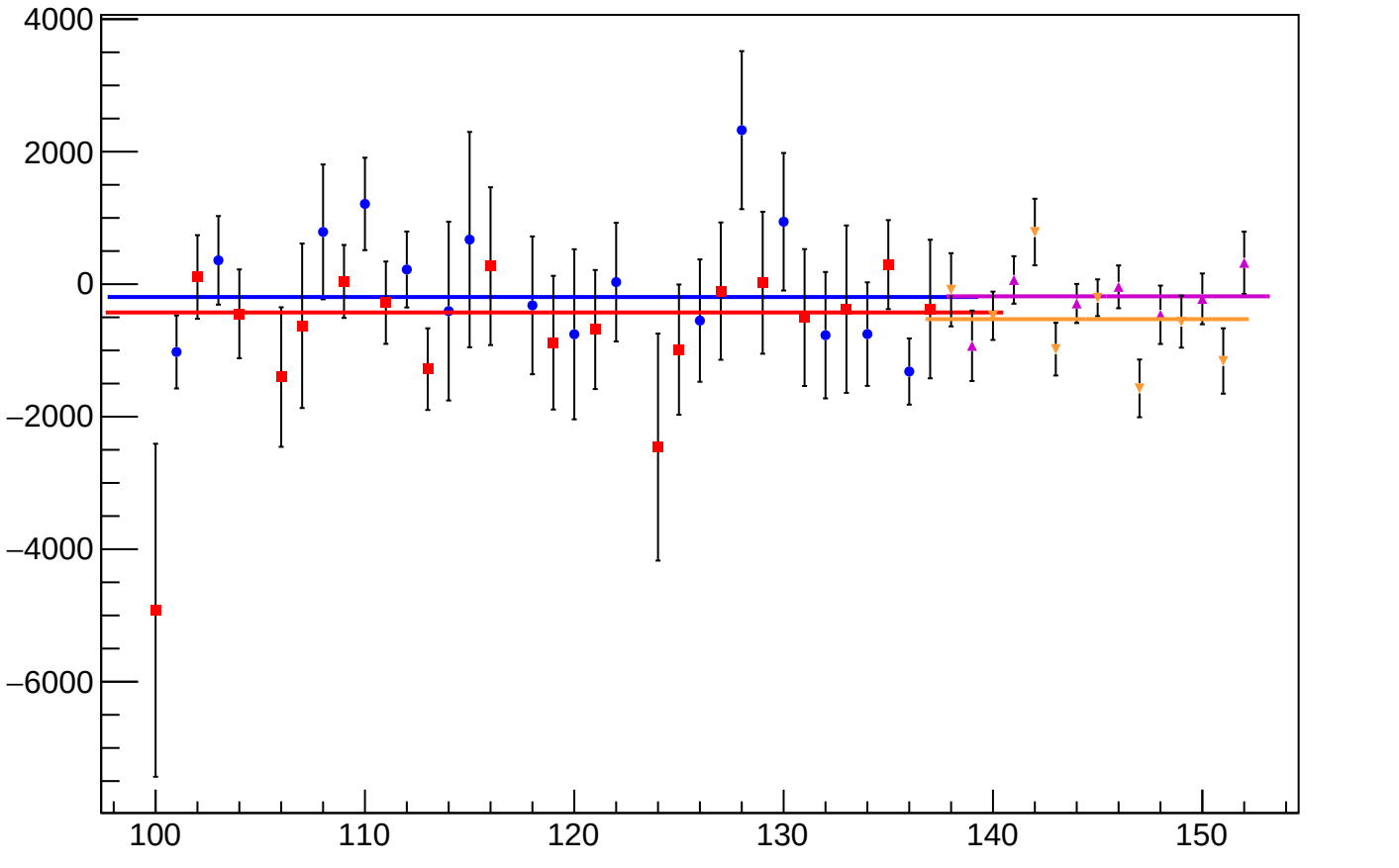
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 57.837+/-0.017 χ^2/NDF:98879.5/6

+ sign 58.660+/-0.012 χ^2/NDF: 709776.9/23

All: 58.676+/-0.008 χ^2/NDF: 1598574.1/49

- sign 58.692+/-0.012 χ^2/NDF: 888793.5/25



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -527.653+/-141.567 χ^2/NDF:17.5/7

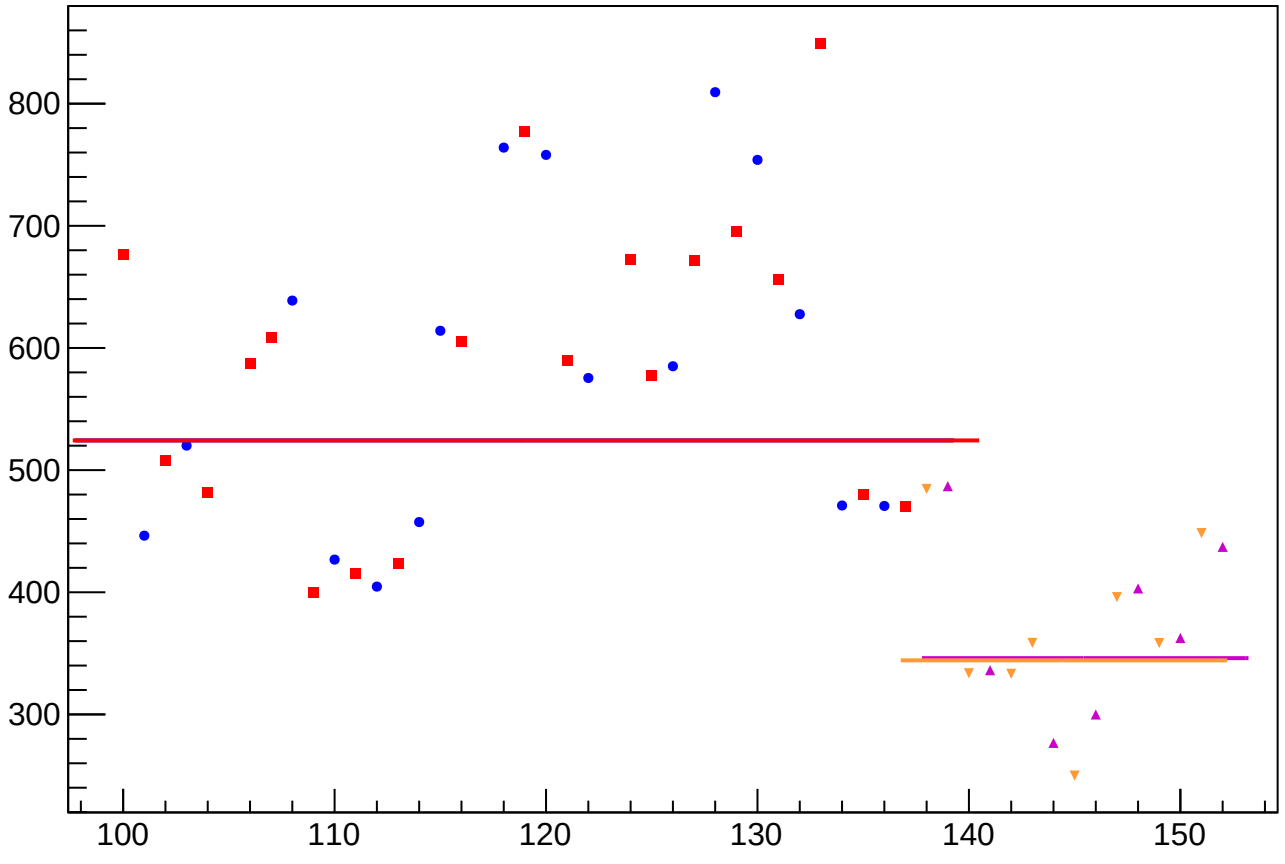
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -183.203+/-143.022 χ^2/NDF:4.3/6

+ sign -416.696+/-115.665 χ^2/NDF: 40.2/23

All: -342.065+/-81.813 χ^2/NDF: 57.7/49

- sign -267.340+/-115.738 χ^2/NDF: 16.7/25



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 344.260+/-0.100 χ^2/NDF:484415.7/7

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

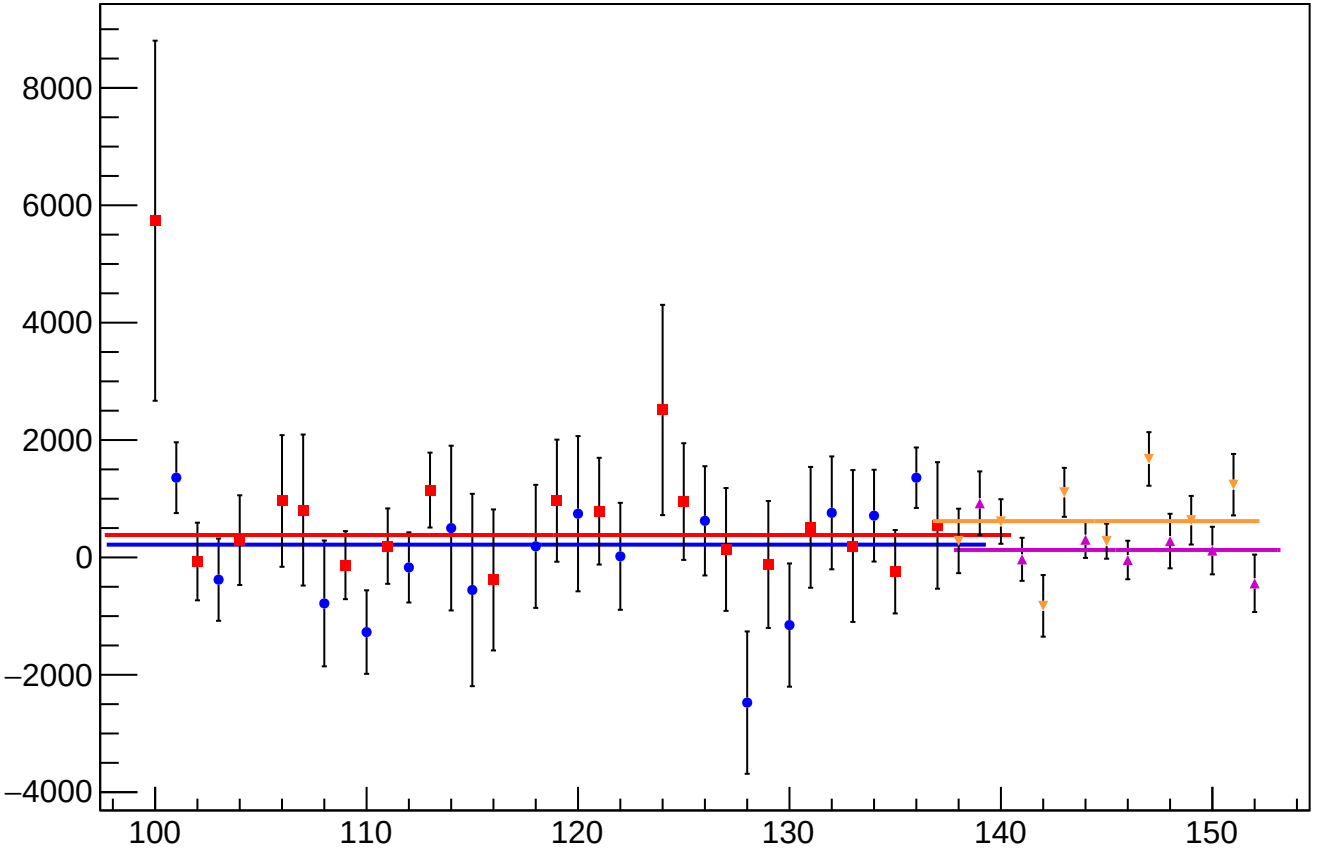
Left In: 346.069+/-0.101 χ^2/NDF:405350.6/6

+ sign 404.123+/-0.082 χ^2/NDF: 2218615.6/23

All: 405.854+/-0.058 χ^2/NDF: 4382974.4/49

- sign 407.586+/-0.082 χ^2/NDF: 2163463.0/25

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 619.087+/-148.913 χ^2/NDF:17.4/7

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

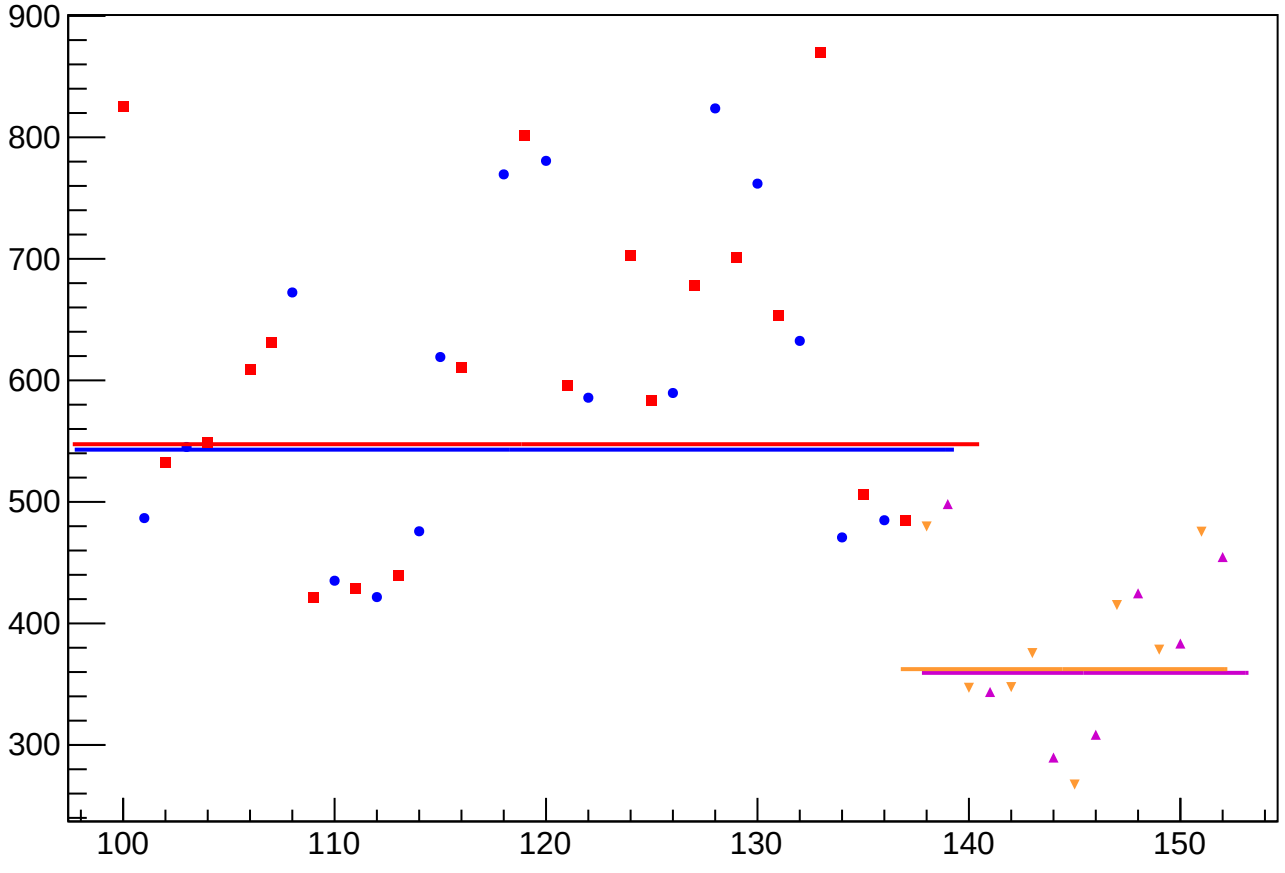
Left In: 127.363+/-148.320 χ^2/NDF:4.4/6

\+ sign 482.649+/-120.981 χ^2/NDF: 42.8/23

All: 347.787+/-85.299 χ^2/NDF: 60.6/49

\- sign 214.474+/-120.284 χ^2/NDF: 15.4/25

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 362.396+/-0.105 χ^2/NDF:423304.0/7

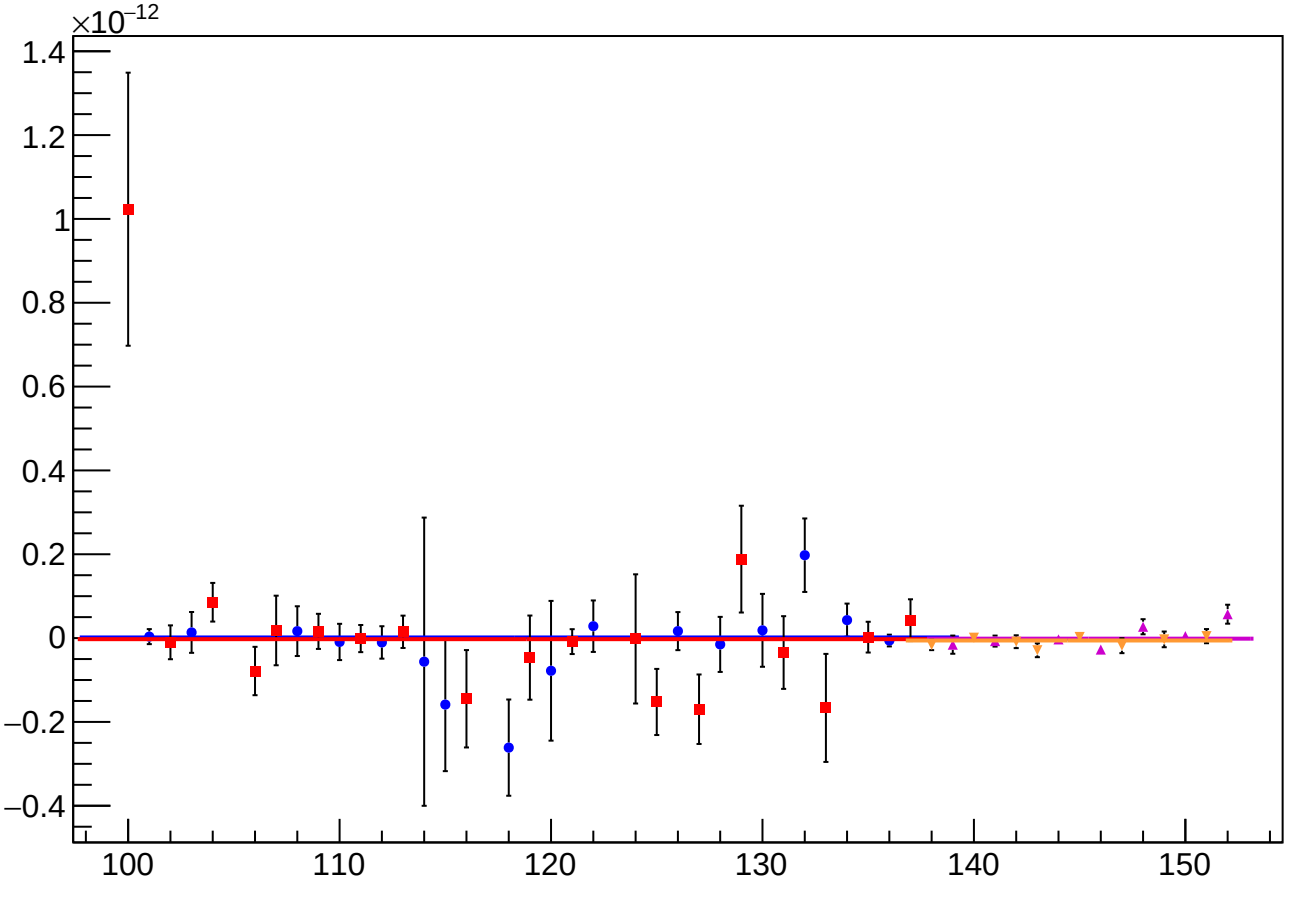
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

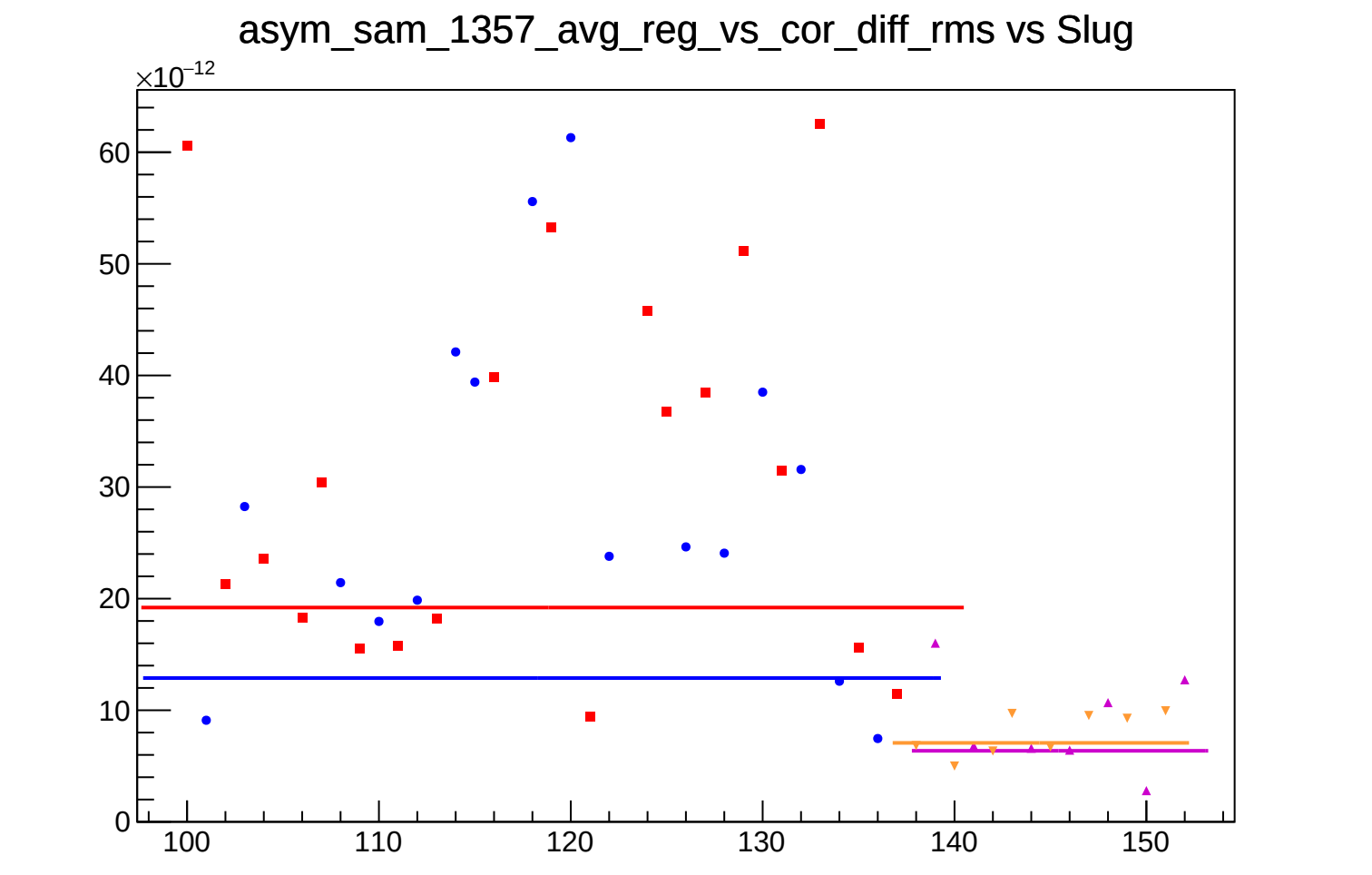
Left In: 359.345+/-0.105 χ^2/NDF:406553.0/6

+ sign 423.794+/-0.086 χ^2/NDF: 2028638.2/23

All: 423.768+/-0.060 χ^2/NDF: 4166842.0/49

- sign 423.742+/-0.085 χ^2/NDF: 2138203.7/25


asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
1.4
1.2
1
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: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:4.8/7
Right Out: -0.000+/-0.000 χ²/NDF: 30.1/18
Left In: -0.000+/-0.000 χ²/NDF:15.8/6
+ sign -0.000+/-0.000 χ²/NDF: 18.9/23
All: -0.000+/-0.000 χ²/NDF: 64.9/49
- sign -0.000+/-0.000 χ²/NDF: 45.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:287669.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

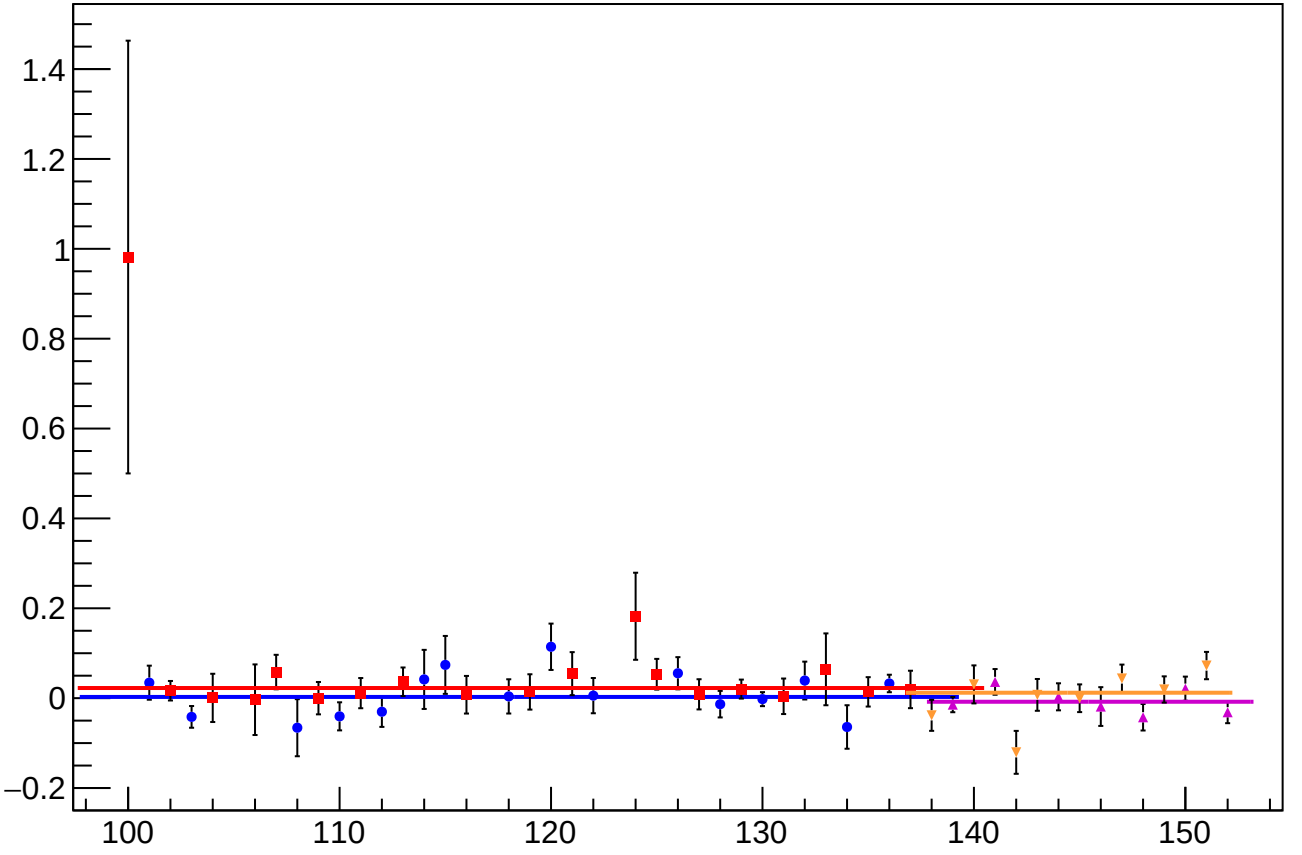
Left In: 0.000+/-0.000 χ^2/NDF:1040043.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 2692867.3/23

All: 0.000+/-0.000 χ^2/NDF: 7049625.0/49

- sign 0.000+/-0.000 χ^2/NDF: 4353342.1/25

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: 0.012+/-0.012 χ^2/NDF:15.3/7

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

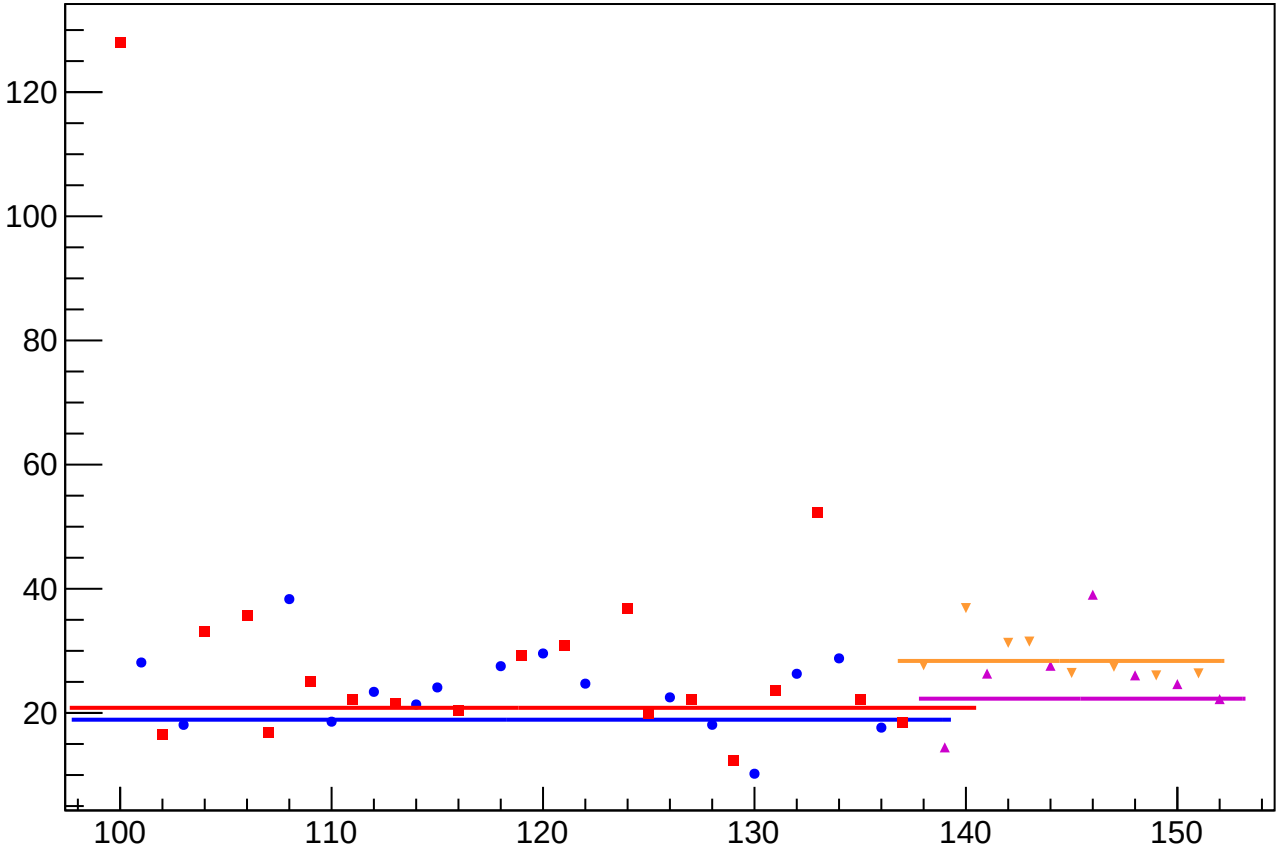
Left In: -0.008+/-0.010 χ^2/NDF:6.2/6

+ sign 0.006+/-0.007 χ^2/NDF: 37.7/23

All: 0.008+/-0.005 χ^2/NDF: 60.4/49

- sign 0.009+/-0.006 χ^2/NDF: 22.6/25

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: 28.378+/-0.008 χ^2/NDF:135943.1/7

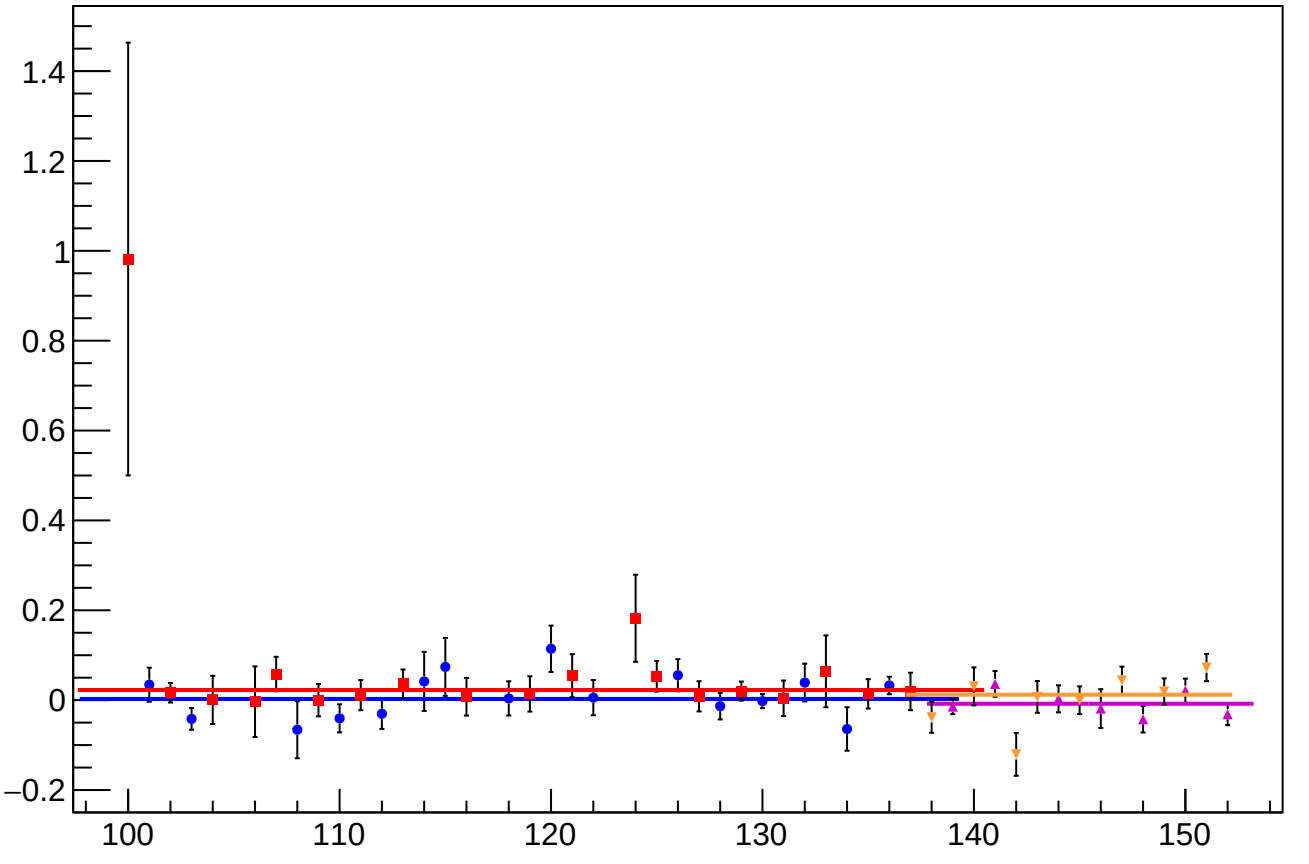
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 22.298+/-0.007 χ^2/NDF:879232.2/6

+ sign 21.737+/-0.005 χ^2/NDF: 2404569.9/23

All: 21.594+/-0.003 χ^2/NDF: 4603256.7/49

- sign 21.459+/-0.005 χ^2/NDF: 2196831.6/25



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.012 χ^2/NDF:15.3/7

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

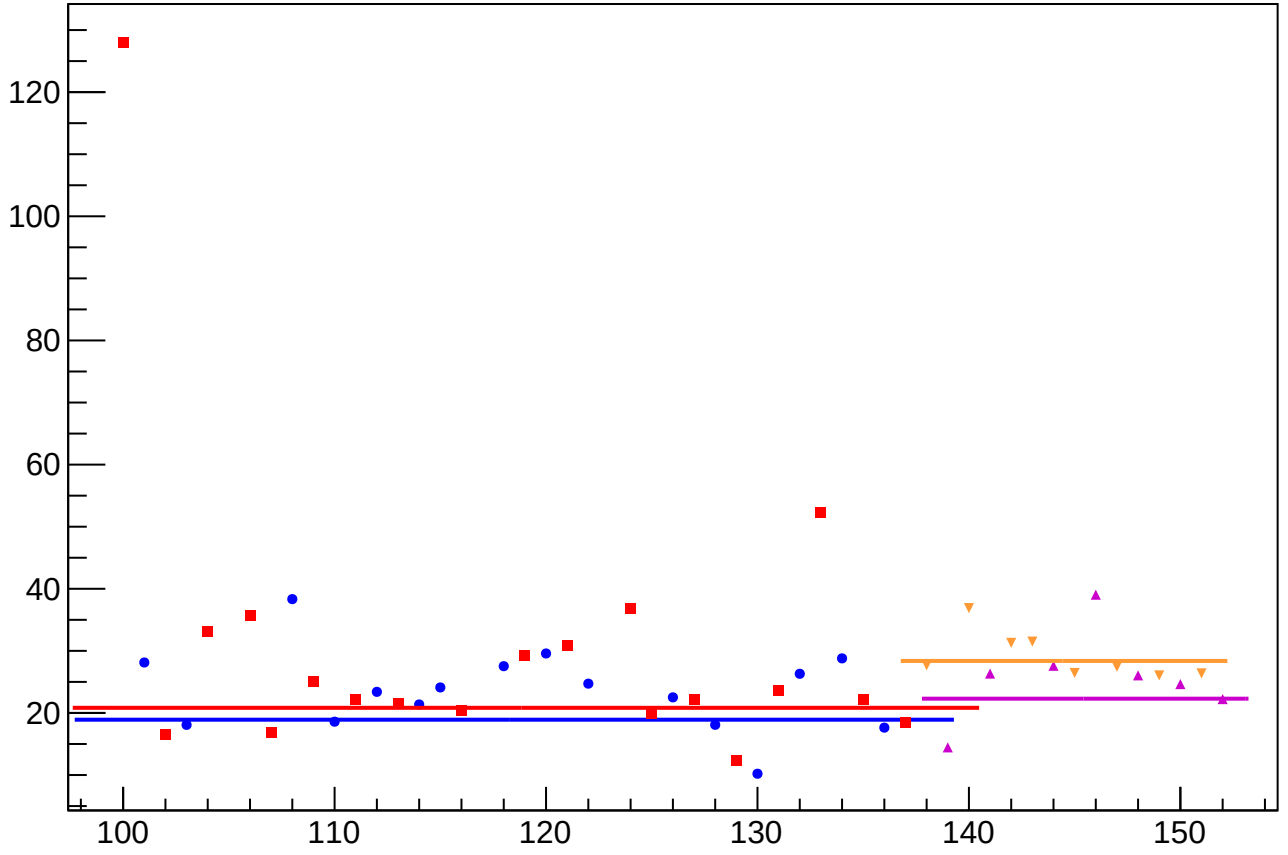
Left In: -0.008+/-0.010 χ^2/NDF:6.2/6

+ sign 0.006+/-0.007 χ^2/NDF: 37.7/23

All: 0.008+/-0.005 χ^2/NDF: 60.4/49

- sign 0.009+/-0.006 χ^2/NDF: 22.6/25

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 28.378+/-0.008 χ^2/NDF:135943.1/7

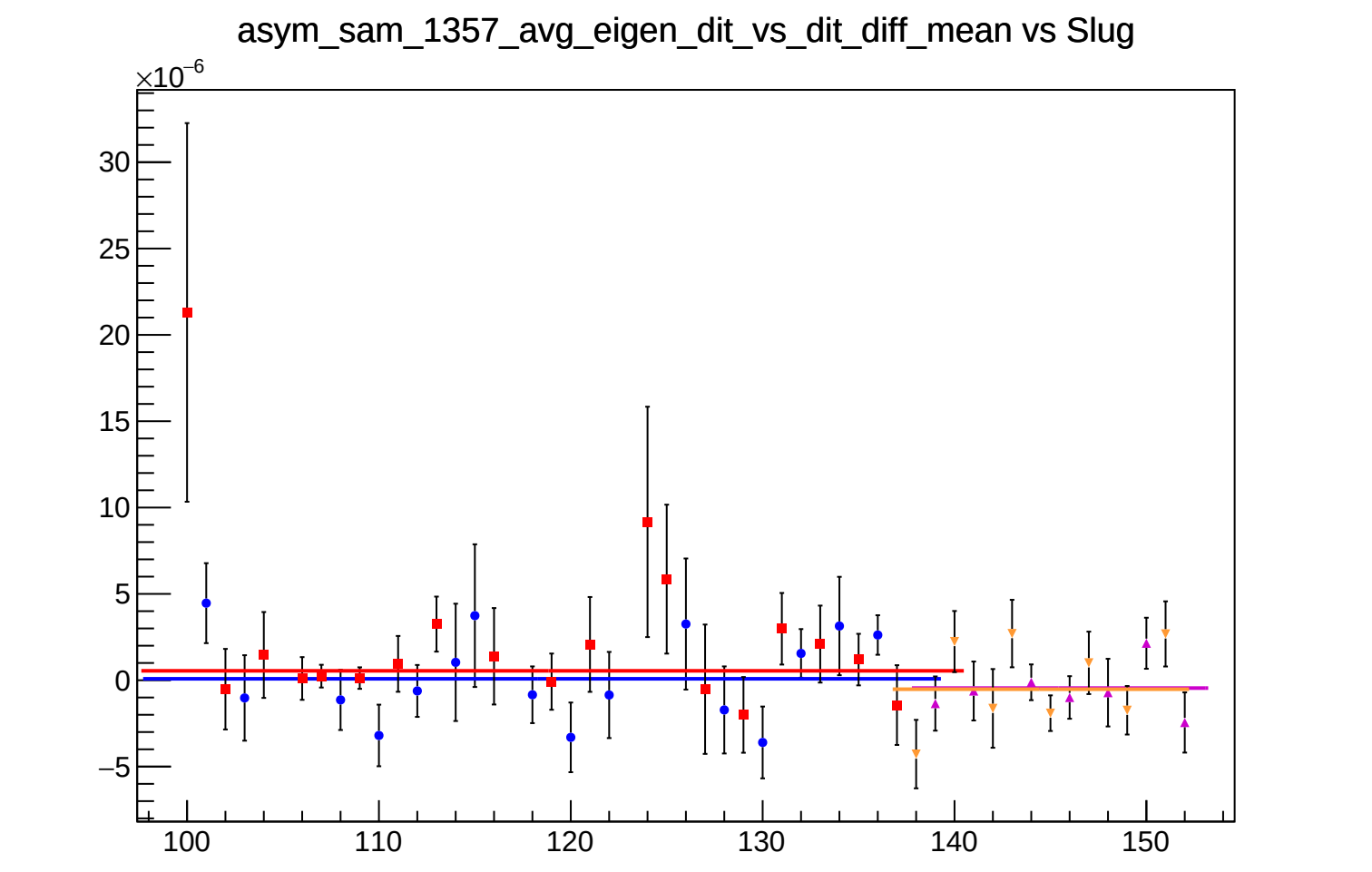
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 22.298+/-0.007 χ^2/NDF:879232.2/6

+ sign 21.737+/-0.005 χ^2/NDF: 2404569.9/23

All: 21.594+/-0.003 χ^2/NDF: 4603256.7/49

- sign 21.459+/-0.005 χ^2/NDF: 2196831.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/7

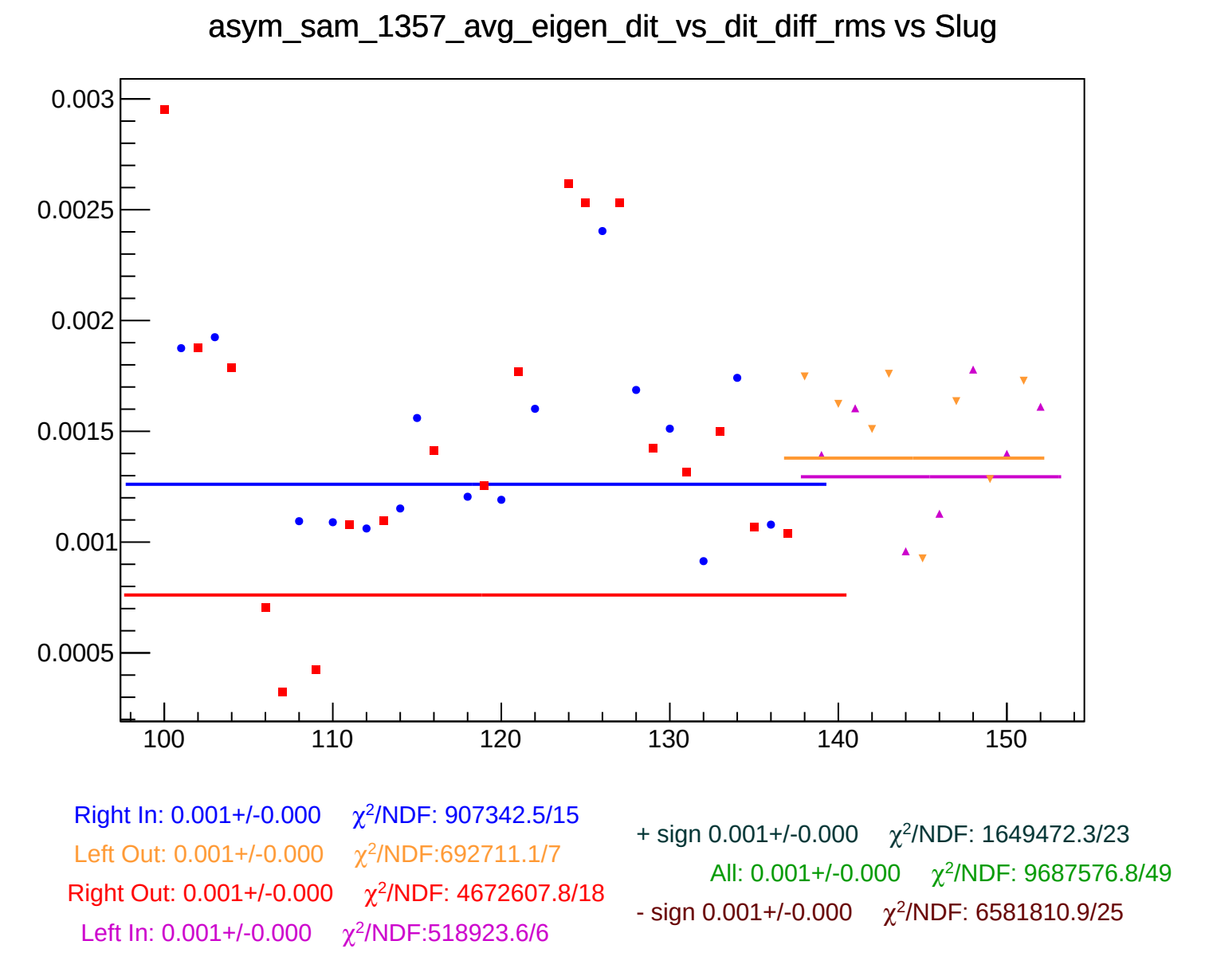
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

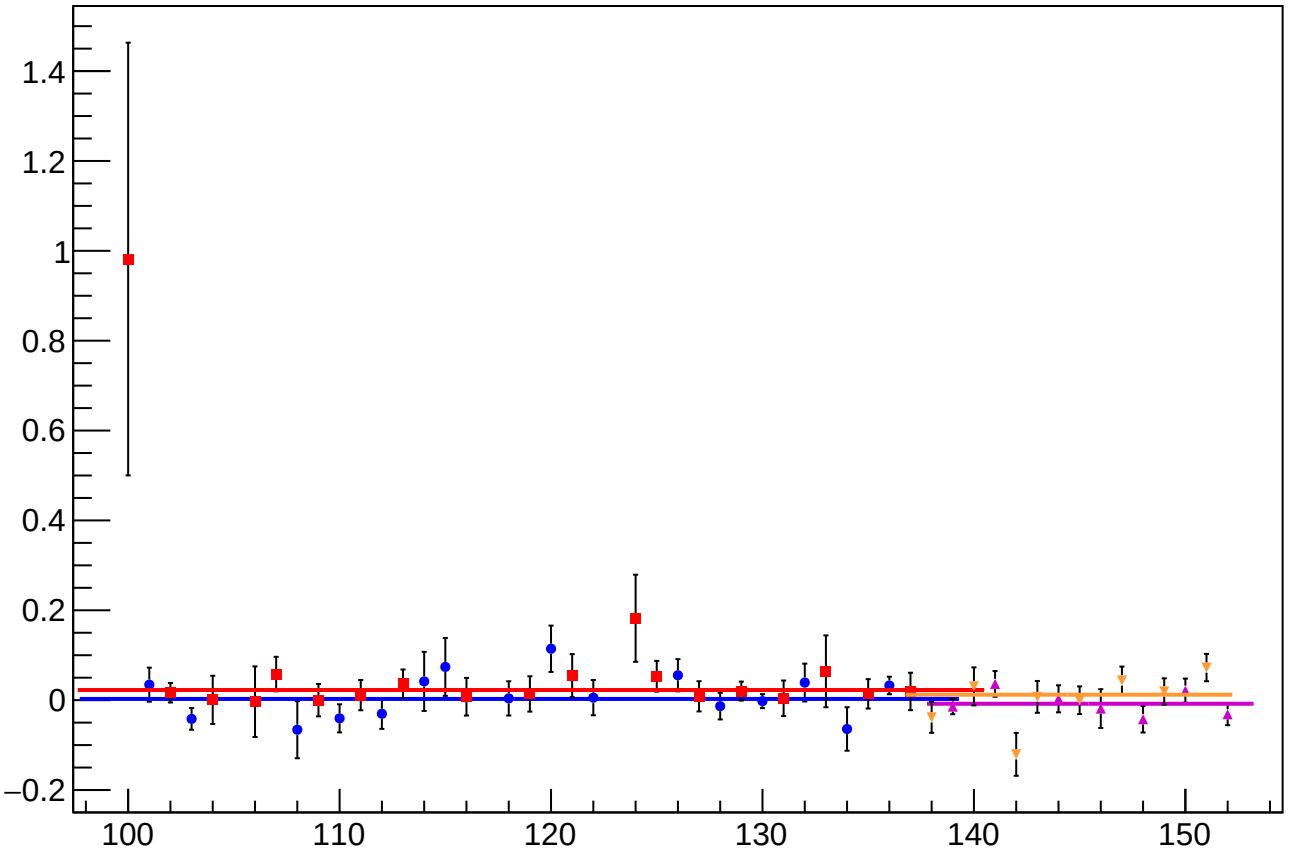
Left In: -0.000+/-0.000 χ^2/NDF:5.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 39.3/23

All: 0.000+/-0.000 χ^2/NDF: 63.3/49

- sign 0.000+/-0.000 χ^2/NDF: 23.1/25


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:692711.1/7
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:518923.6/6
+ sign 0.001+/-0.000 χ²/NDF: 1649472.3/23
All: 0.001+/-0.000 χ²/NDF: 9687576.8/49
- sign 0.001+/-0.000 χ²/NDF: 6581810.9/25



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.012 χ^2/NDF:15.3/7

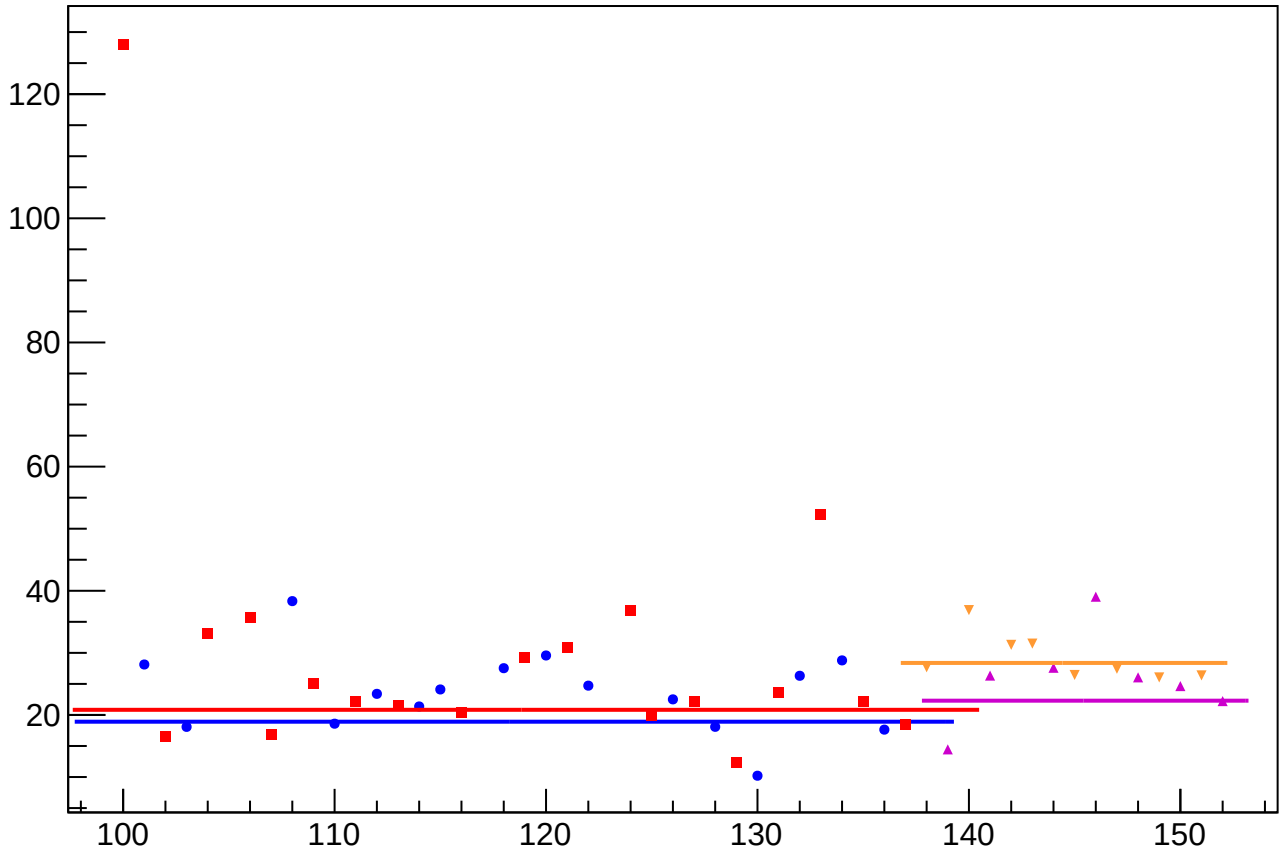
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.008+/-0.010 χ^2/NDF:6.2/6

+ sign 0.006+/-0.007 χ^2/NDF: 37.7/23

All: 0.008+/-0.005 χ^2/NDF: 60.4/49

- sign 0.009+/-0.006 χ^2/NDF: 22.6/25



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 28.378+/-0.008 χ^2/NDF:135942.8/7

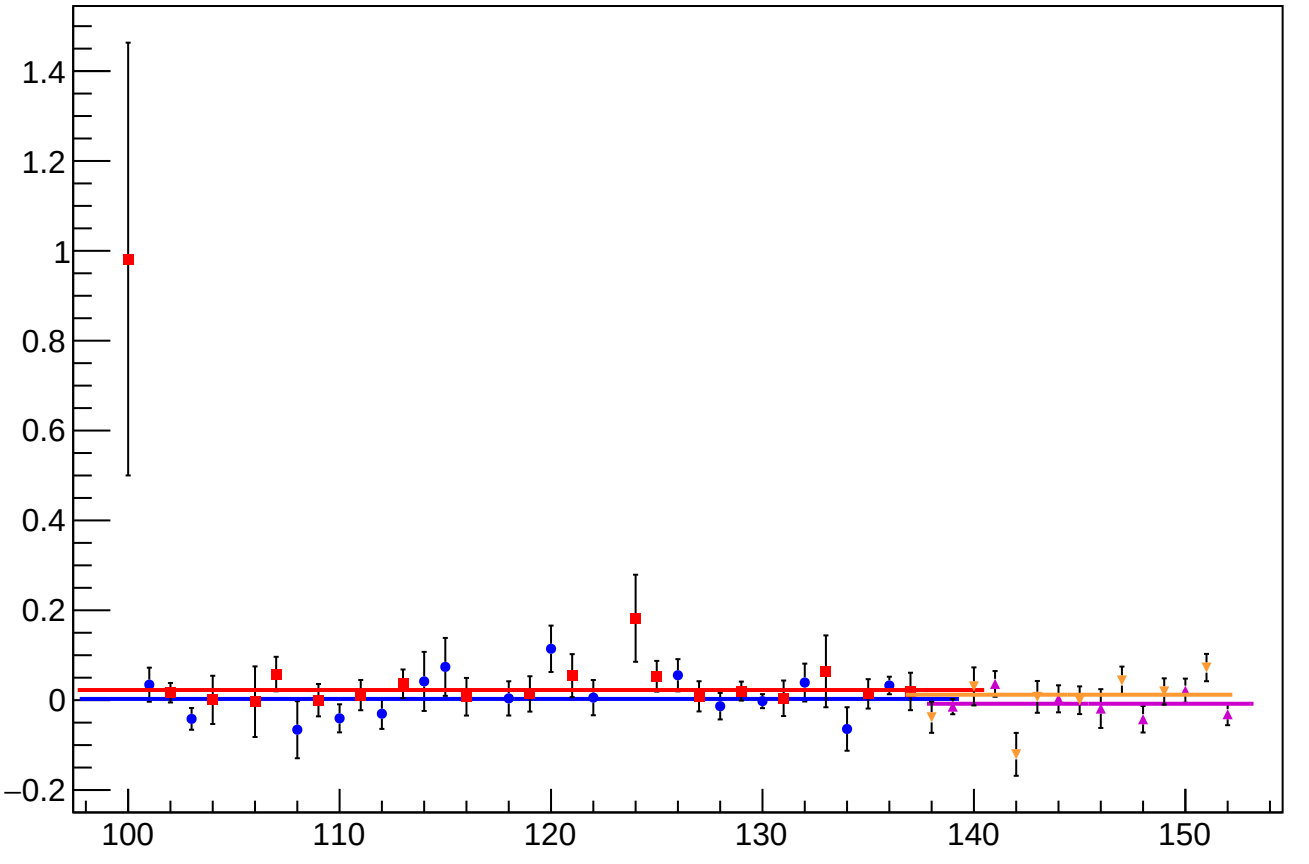
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.298+/-0.007 χ^2/NDF:879157.7/6

+ sign 21.737+/-0.005 χ^2/NDF: 2404452.4/23

All: 21.595+/-0.003 χ^2/NDF: 4603077.7/49

- sign 21.459+/-0.005 χ^2/NDF: 2196769.7/25



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.012 χ^2/NDF:15.3/7

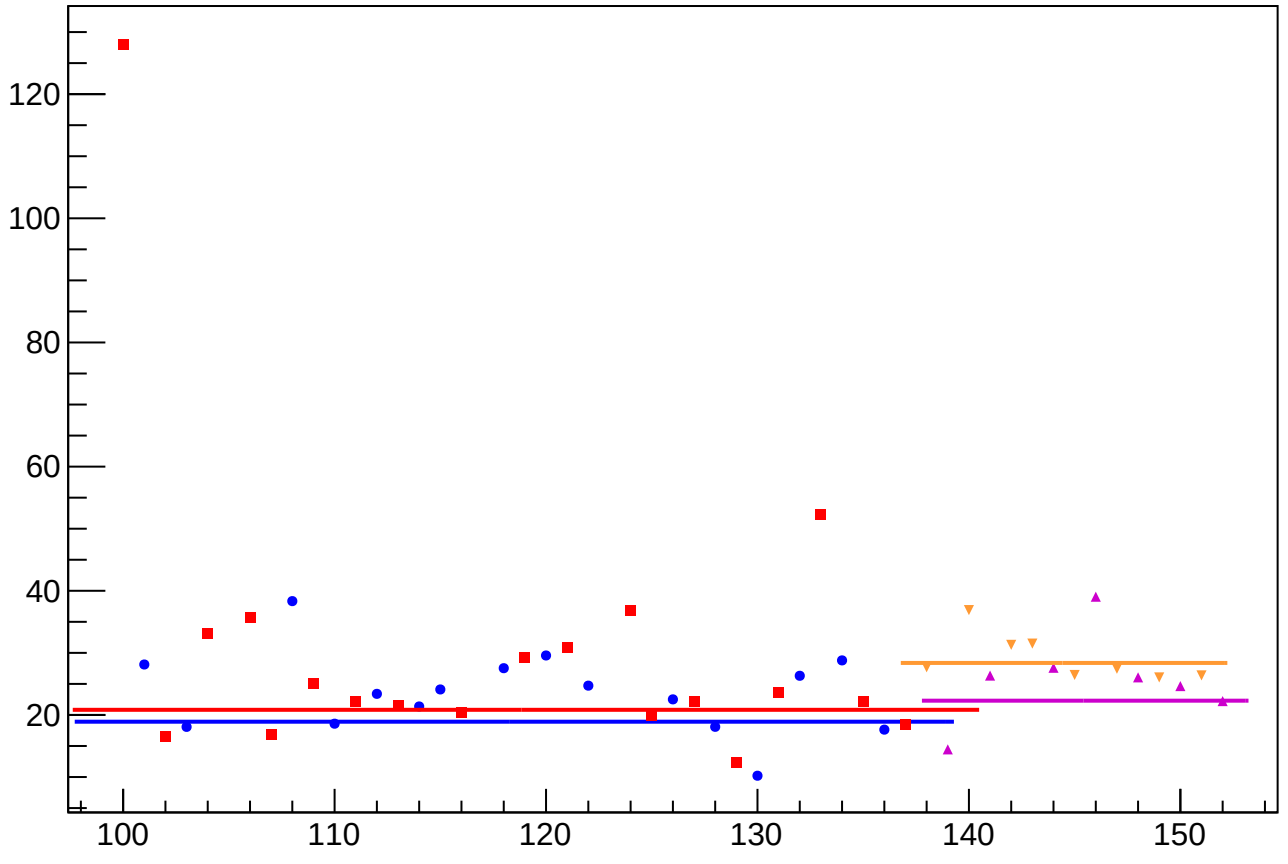
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.008+/-0.010 χ^2/NDF:6.2/6

+ sign 0.006+/-0.007 χ^2/NDF: 37.7/23

All: 0.008+/-0.005 χ^2/NDF: 60.4/49

- sign 0.009+/-0.006 χ^2/NDF: 22.6/25



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 28.378+/-0.008 χ^2/NDF:135942.8/7

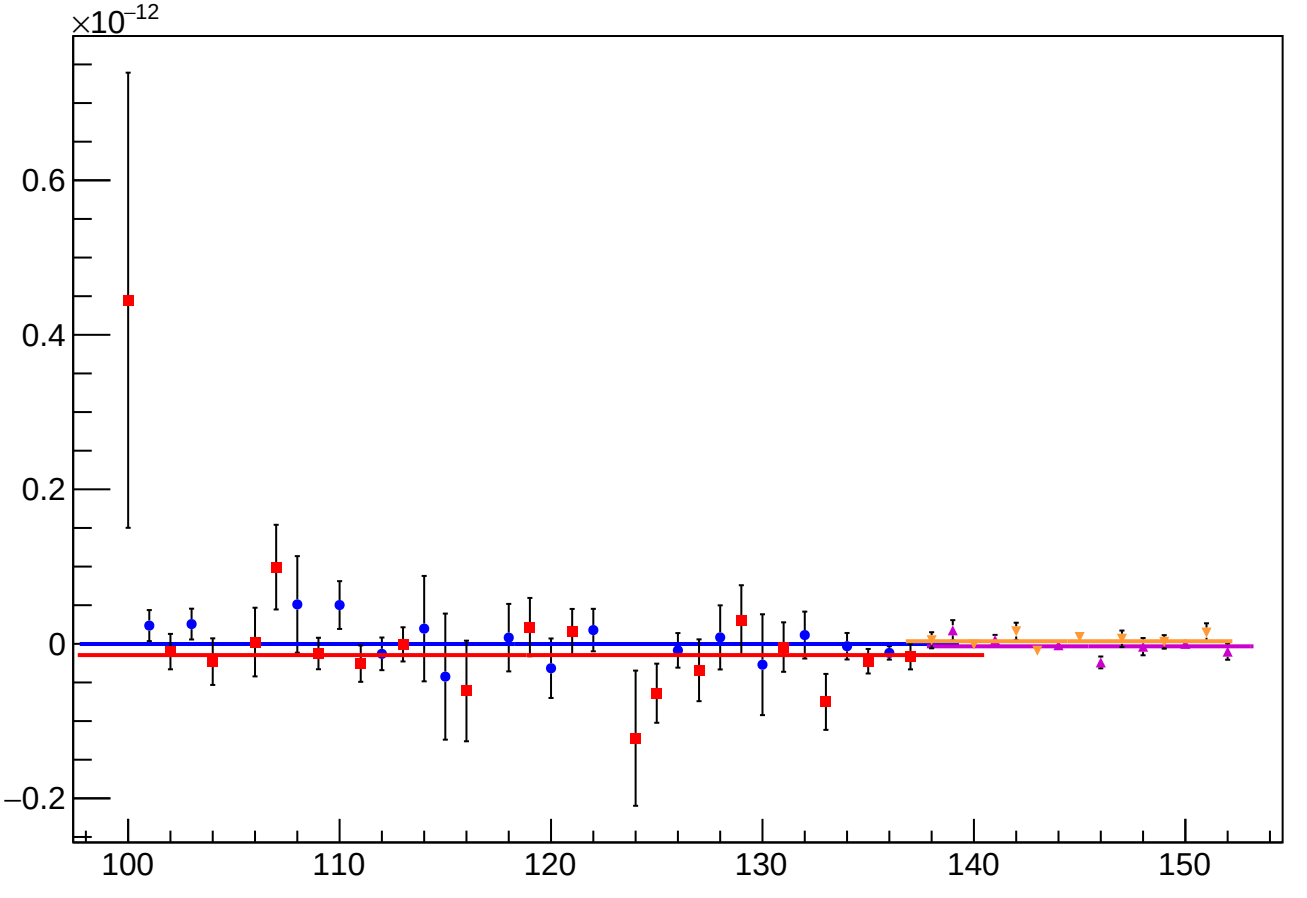
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.298+/-0.007 χ^2/NDF:879157.7/6

+ sign 21.737+/-0.005 χ^2/NDF: 2404452.4/23

All: 21.595+/-0.003 χ^2/NDF: 4603077.7/49

- sign 21.459+/-0.005 χ^2/NDF: 2196769.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/7

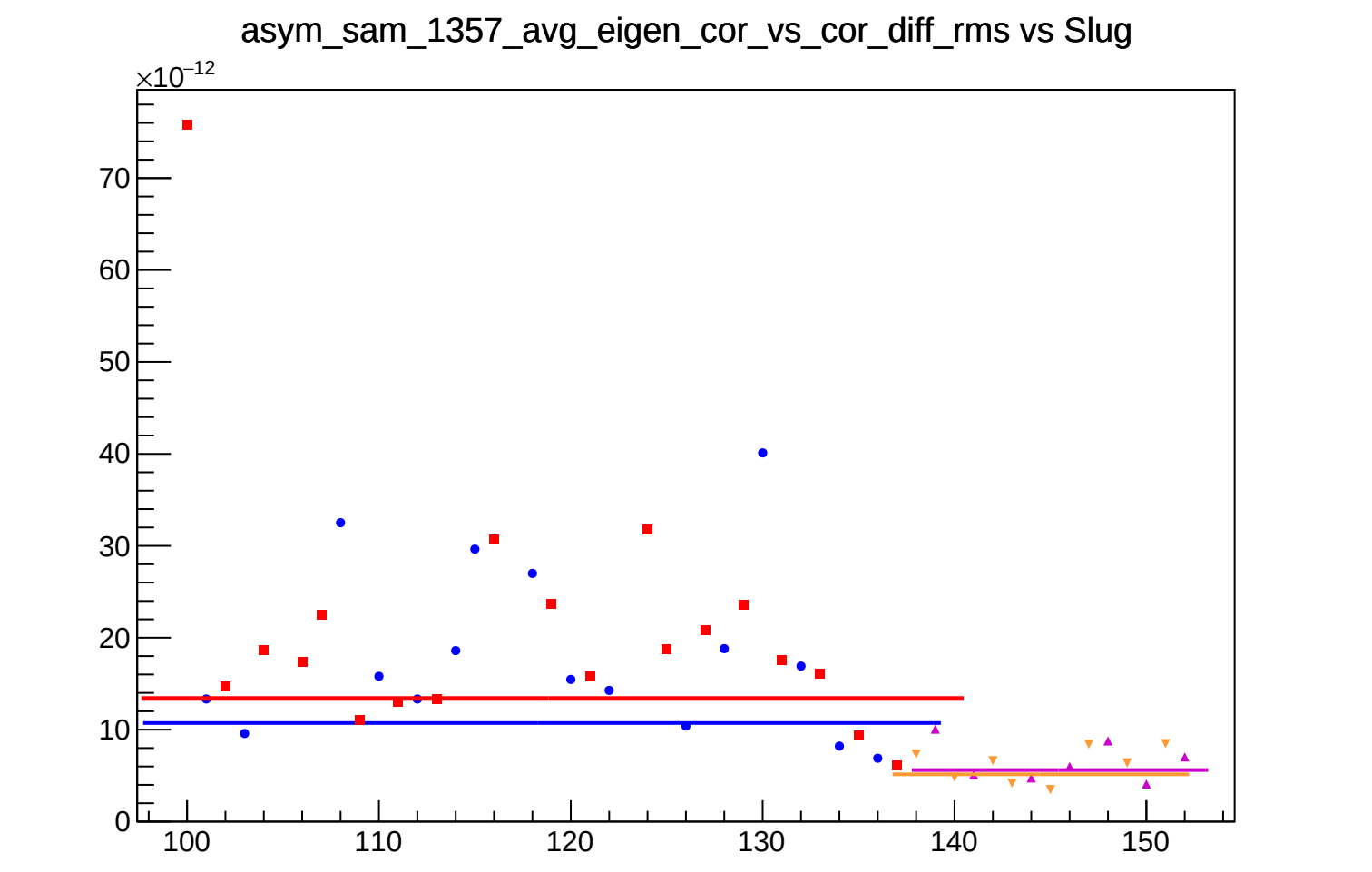
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 18.5/23

All: -0.000+/-0.000 χ^2/NDF: 55.5/49

- sign -0.000+/-0.000 χ^2/NDF: 32.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:777758.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

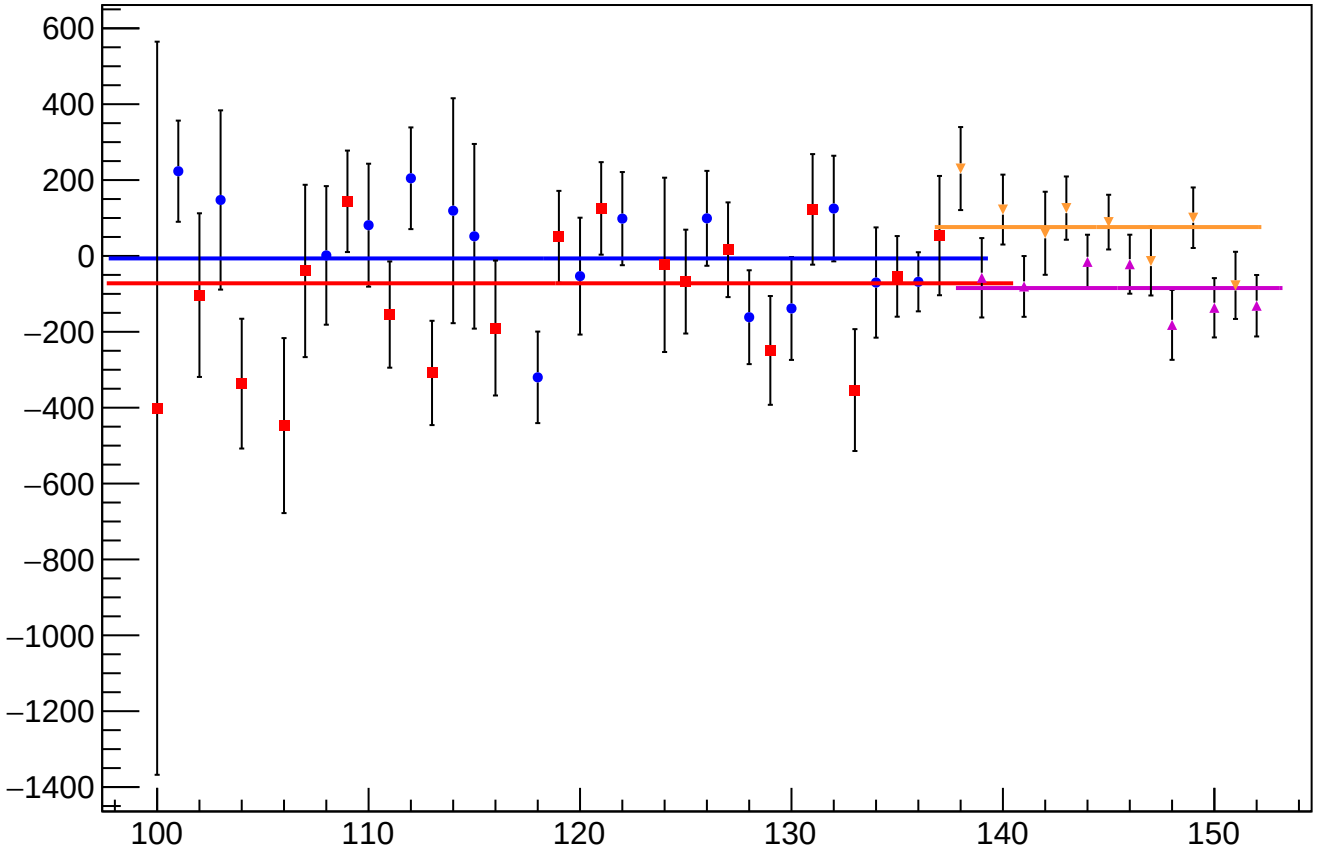
Left In: 0.000+/-0.000 χ^2/NDF:593875.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 4225035.4/23

All: 0.000+/-0.000 χ^2/NDF: 8688135.7/49

- sign 0.000+/-0.000 χ^2/NDF: 4376269.7/25

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 76.103+/-31.201 χ^2/NDF:6.7/7

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

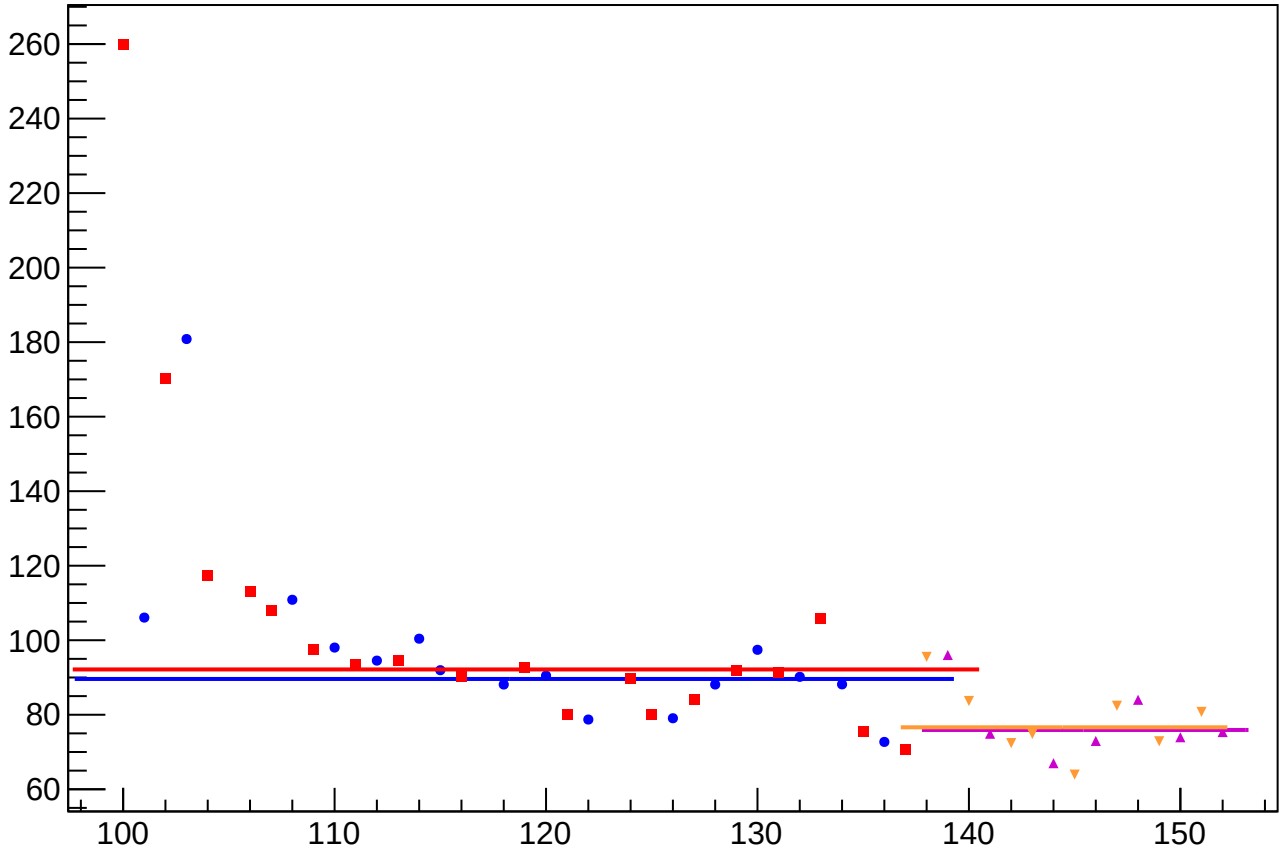
Left In: -84.639+/-30.980 χ^2/NDF:3.5/6

+ sign 38.657+/-23.076 χ^2/NDF: 28.8/23

All: -20.009+/-16.348 χ^2/NDF: 68.2/49

- sign -79.120+/-23.164 χ^2/NDF: 26.4/25

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.629+/-0.022 χ^2/NDF:154287.7/7

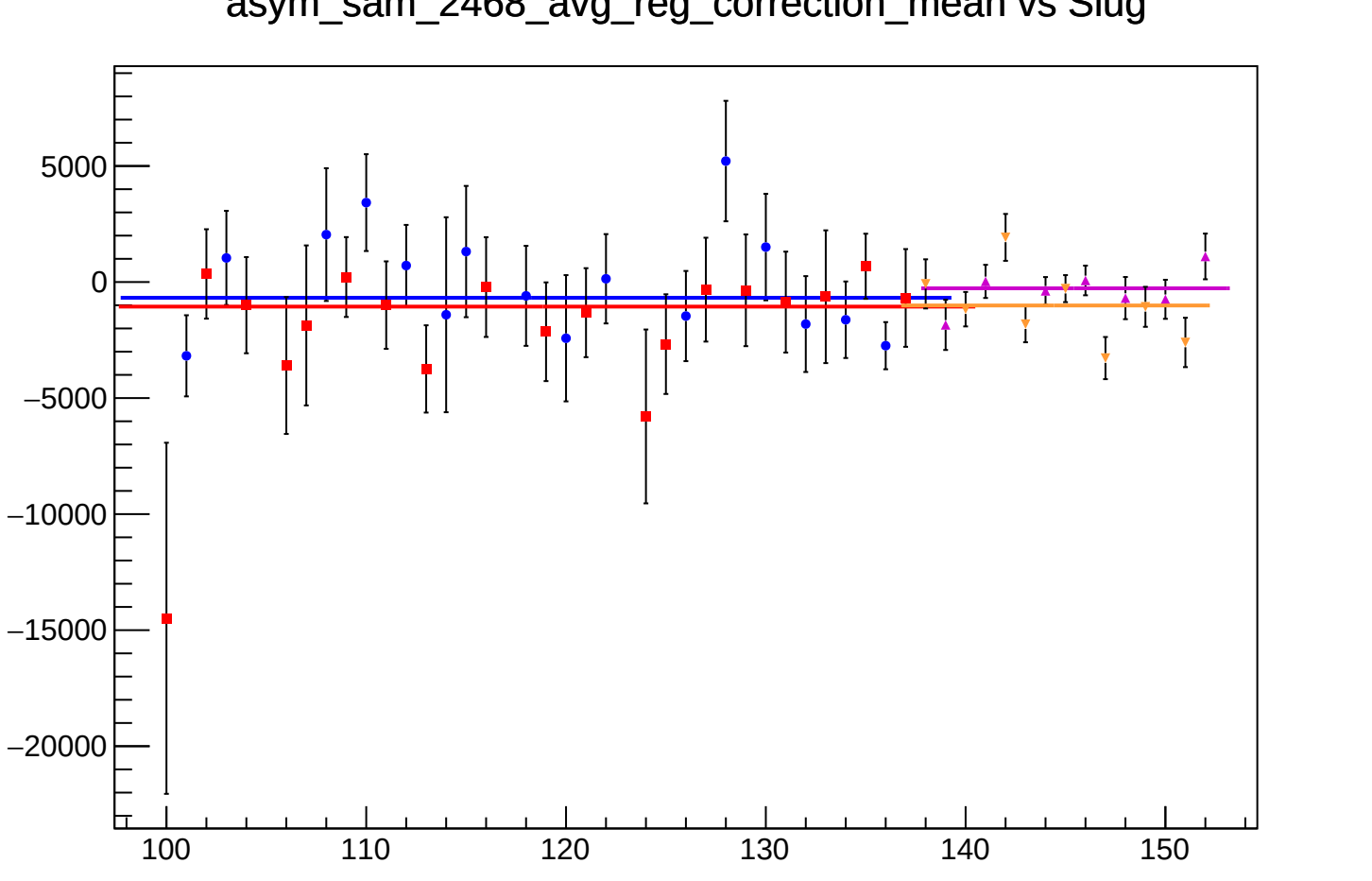
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.916+/-0.022 χ^2/NDF:125057.3/6

+ sign 82.507+/-0.016 χ^2/NDF: 809328.2/23

All: 82.792+/-0.012 χ^2/NDF: 1719563.2/49

- sign 83.079+/-0.016 χ^2/NDF: 909621.3/25



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1010.121+/-291.945 χ^2/NDF:20.4/7

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

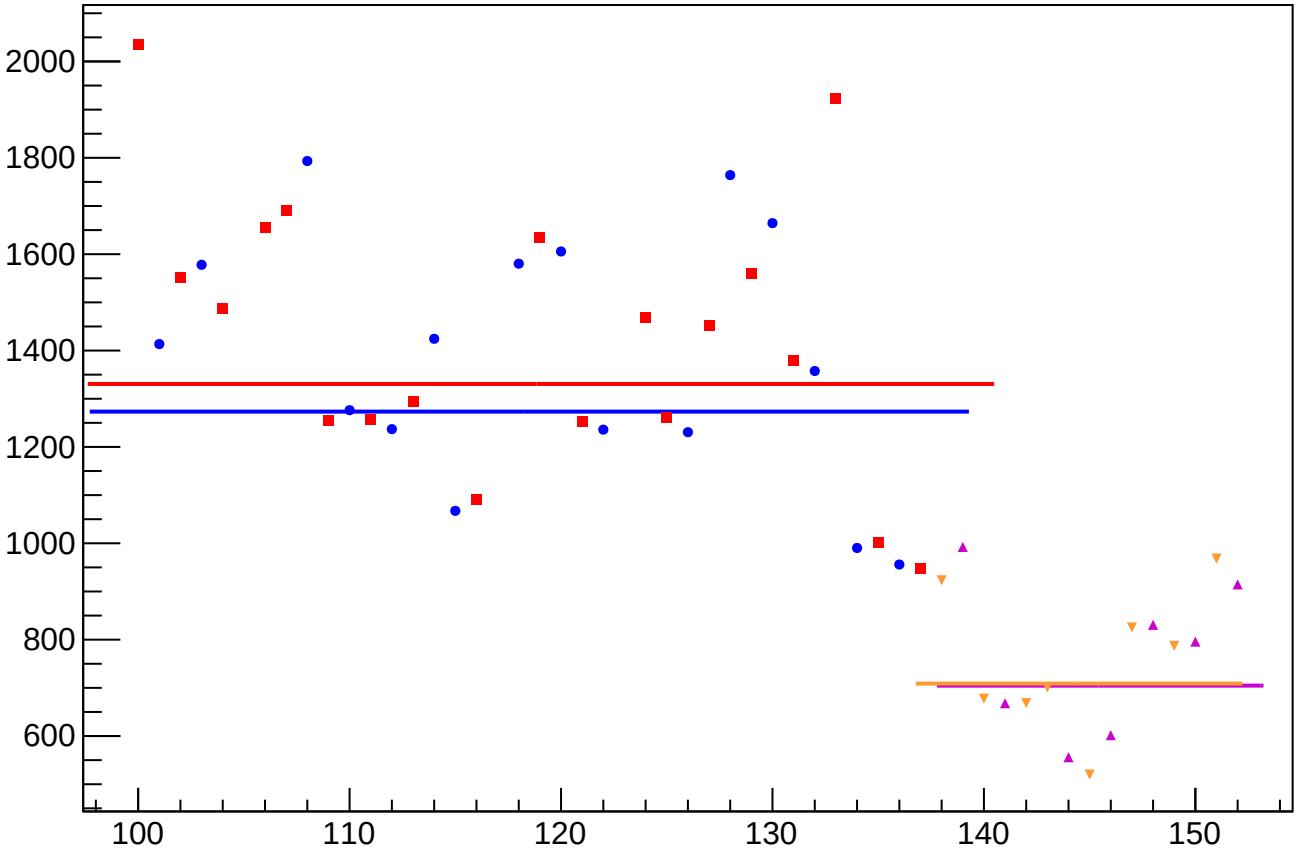
Left In: -270.816+/-291.644 χ^2/NDF:5.1/6

+ sign -922.018+/-250.328 χ^2/NDF: 41.0/23

All: -698.531+/-177.404 χ^2/NDF: 61.0/49

- sign -473.035+/-251.450 χ^2/NDF: 18.4/25

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 708.862+/-0.206 χ^2/NDF:468076.1/7

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

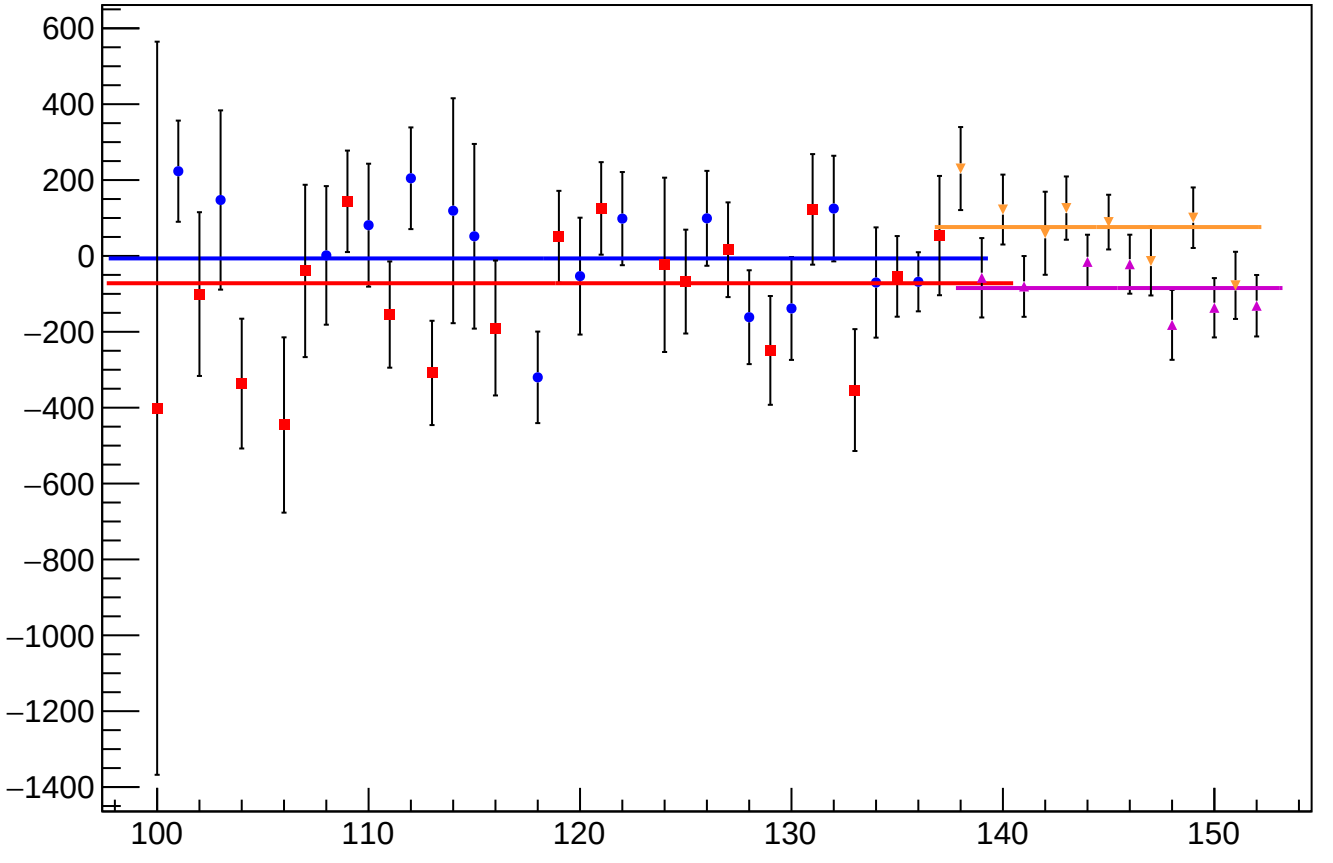
Left In: 704.644+/-0.206 χ^2/NDF:477238.2/6

+ sign 858.322+/-0.177 χ^2/NDF: 3045233.6/23

All: 861.801+/-0.125 χ^2/NDF: 6359078.2/49

- sign 865.312+/-0.178 χ^2/NDF: 3313068.3/25

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 76.113+/-31.201 χ^2/NDF:6.7/7

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

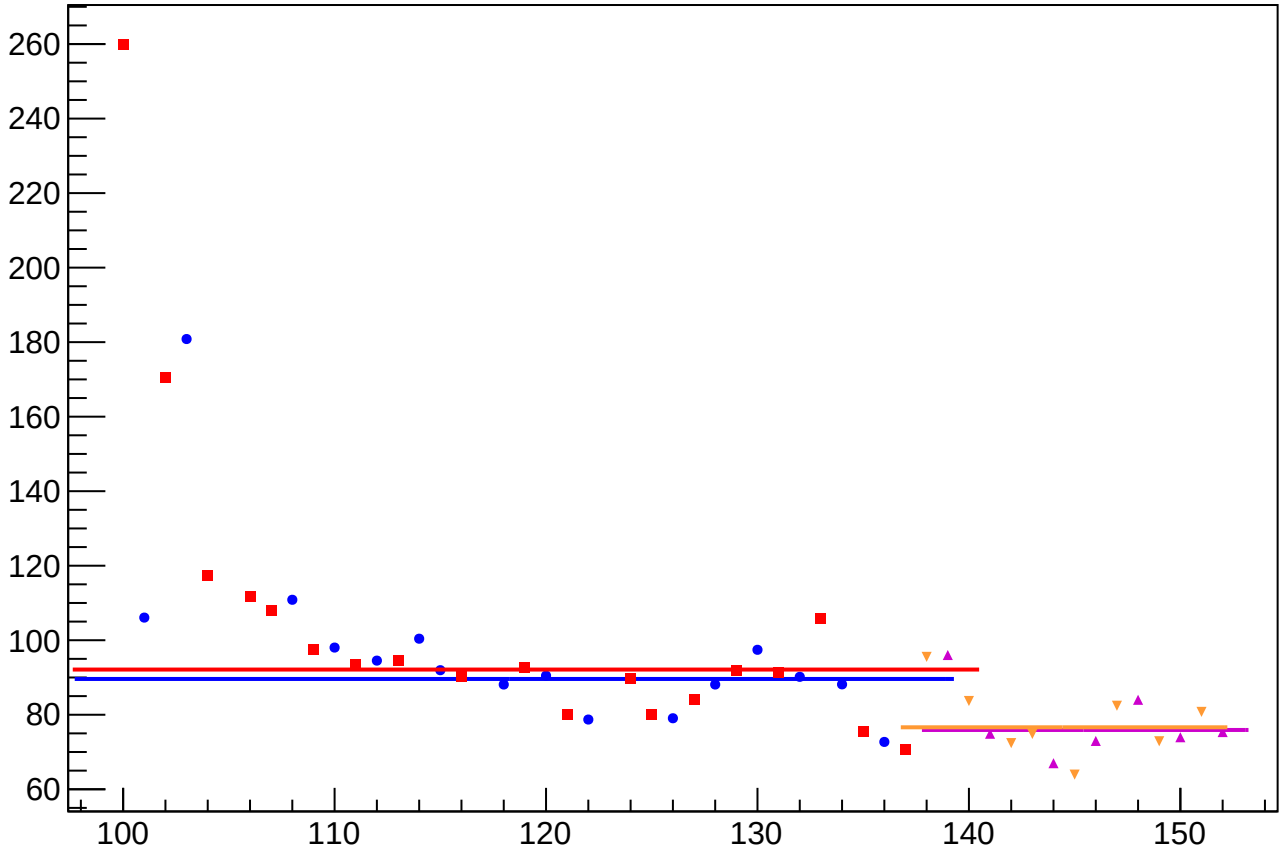
Left In: -84.642+/-30.980 χ^2/NDF:3.5/6

+ sign 38.658+/-23.076 χ^2/NDF: 28.8/23

All: -19.977+/-16.349 χ^2/NDF: 68.2/49

- sign -79.059+/-23.164 χ^2/NDF: 26.4/25

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.629+/-0.022 χ^2/NDF:154287.7/7

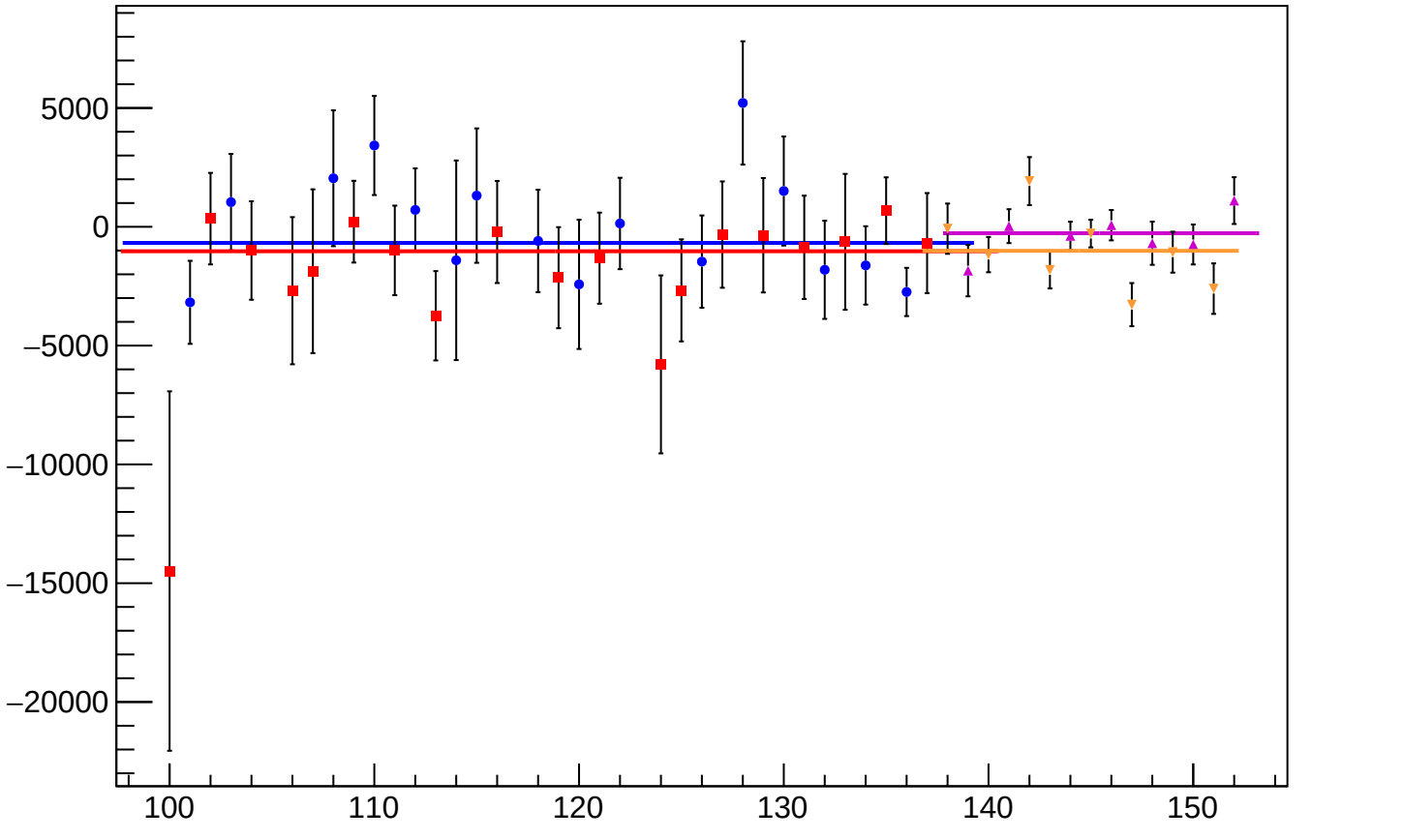
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.916+/-0.022 χ^2/NDF:125057.3/6

+ sign 82.507+/-0.016 χ^2/NDF: 809331.8/23

All: 82.785+/-0.012 χ^2/NDF: 1716807.2/49

- sign 83.065+/-0.016 χ^2/NDF: 906892.4/25



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1010.111+/-291.945 χ^2/NDF:20.4/7

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

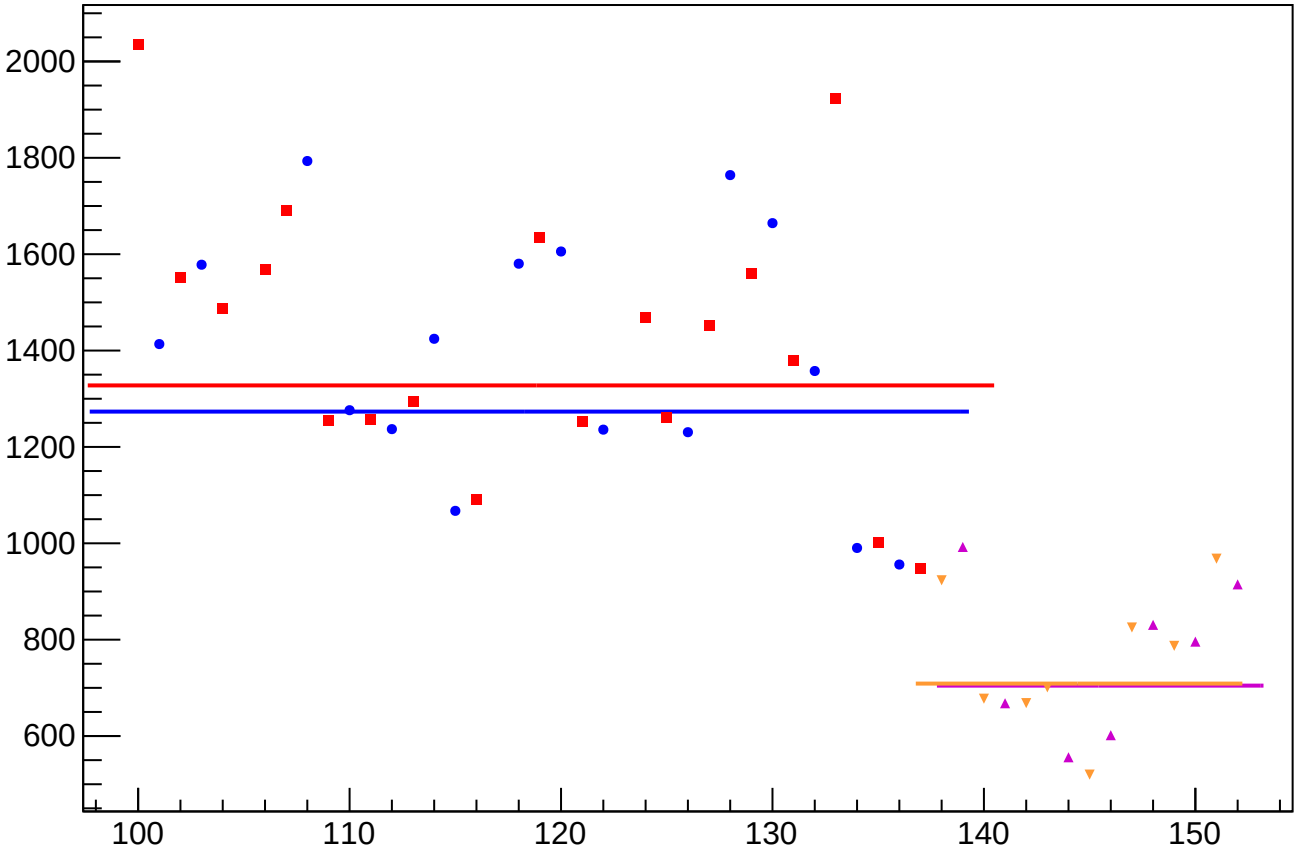
Left In: -270.823+/-291.644 χ^2/NDF:5.1/6

+ sign -922.001+/-250.328 χ^2/NDF: 41.0/23

All: -694.659+/-177.434 χ^2/NDF: 60.4/49

- sign -465.115+/-251.537 χ^2/NDF: 17.8/25

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 708.862+/-0.206 χ^2/NDF:468078.7/7

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

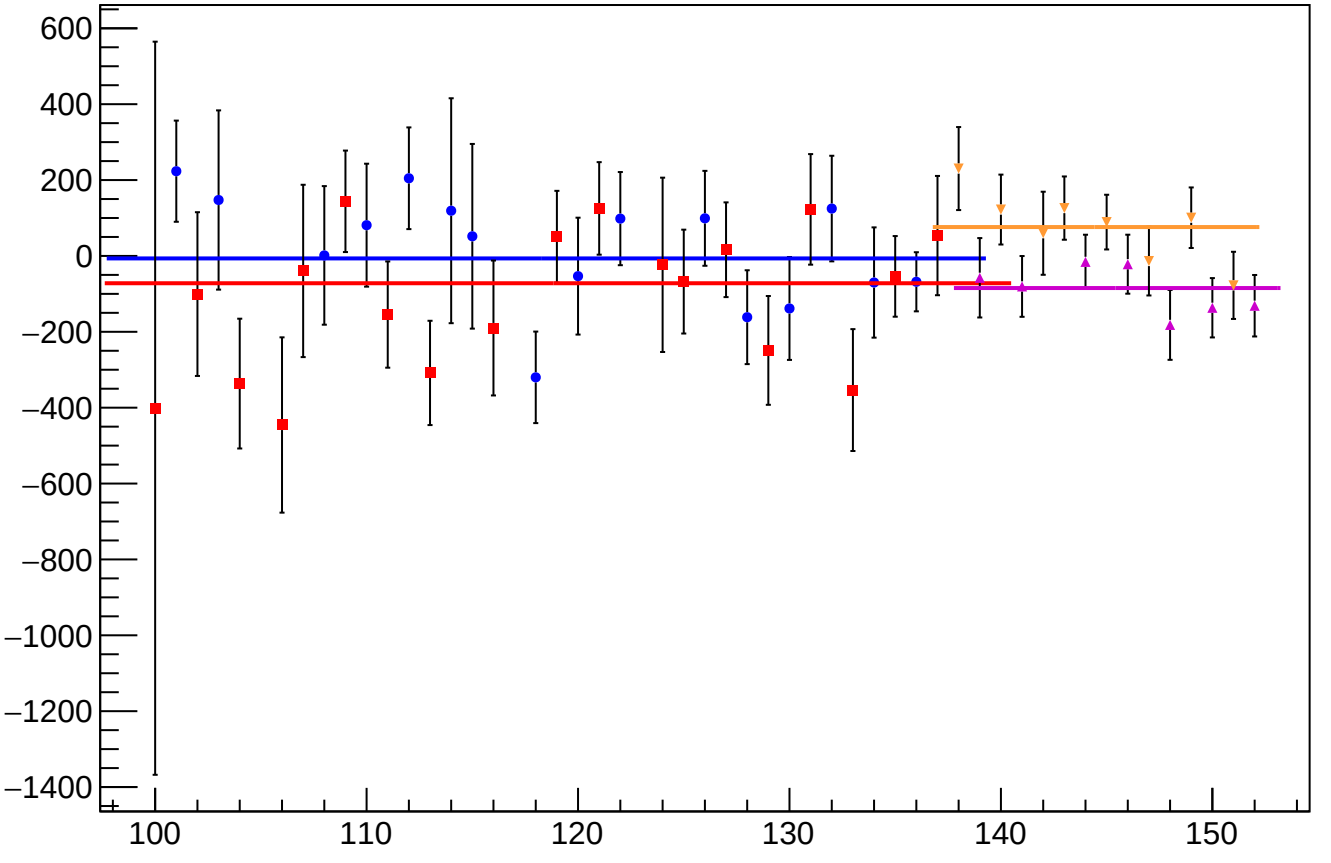
Left In: 704.645+/-0.206 χ^2/NDF:477237.2/6

+ sign 858.321+/-0.177 χ^2/NDF: 3045279.5/23

All: 861.255+/-0.125 χ^2/NDF: 6319213.3/49

- sign 864.217+/-0.178 χ^2/NDF: 3273381.8/25

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 76.113+/-31.201 χ^2/NDF:6.7/7

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

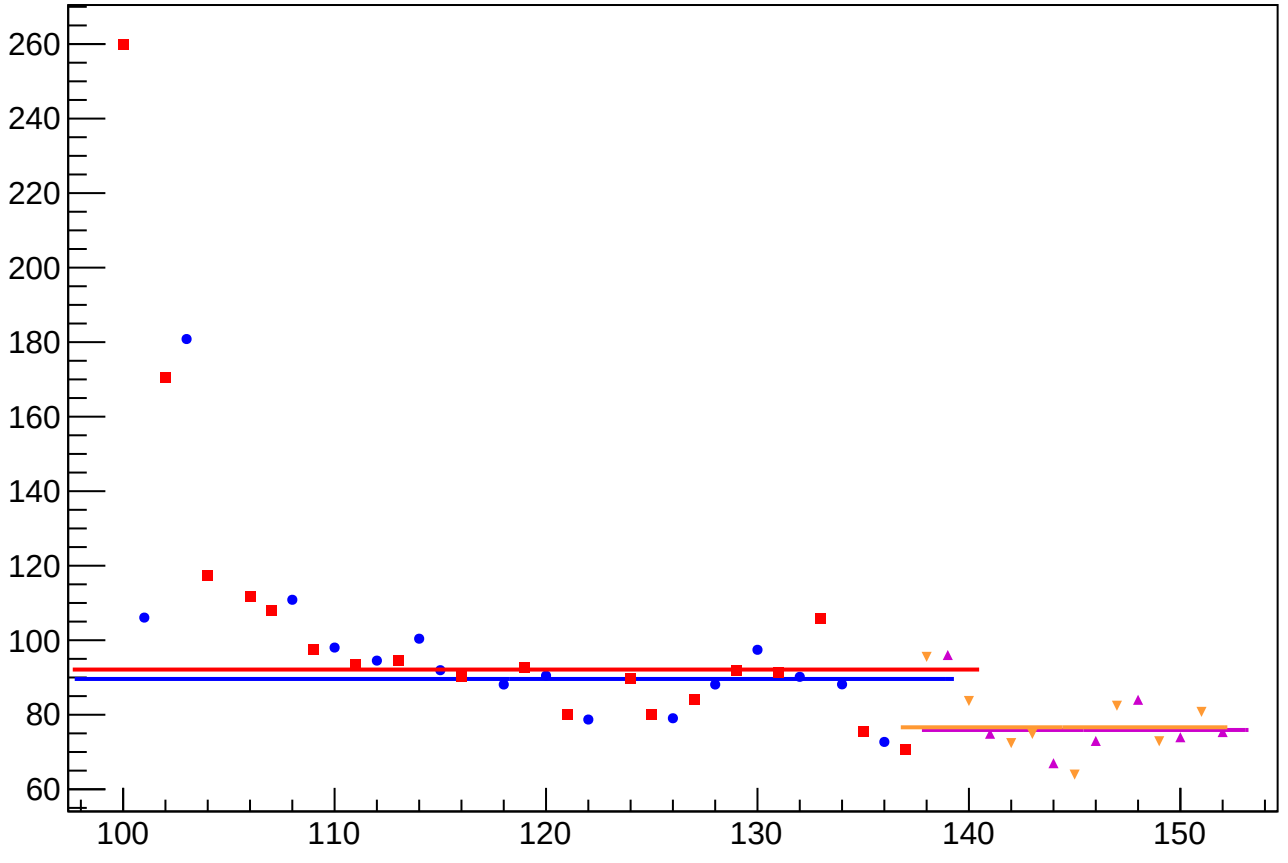
Left In: -84.642+/-30.980 χ^2/NDF:3.5/6

+ sign 38.658+/-23.076 χ^2/NDF: 28.8/23

All: -19.977+/-16.349 χ^2/NDF: 68.2/49

- sign -79.059+/-23.164 χ^2/NDF: 26.4/25

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.629+/-0.022 χ^2/NDF:154287.7/7

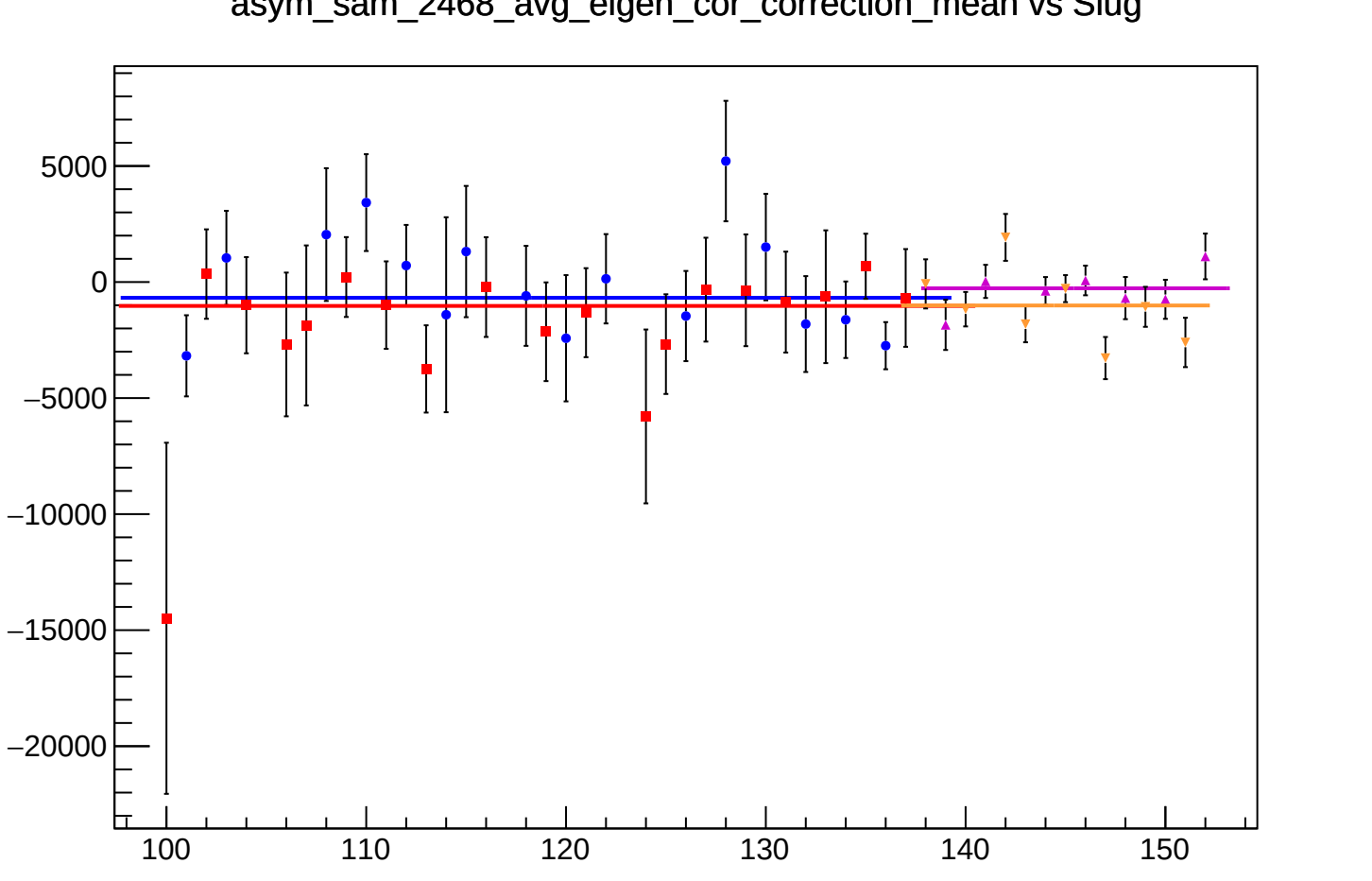
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.916+/-0.022 χ^2/NDF:125057.3/6

+ sign 82.507+/-0.016 χ^2/NDF: 809331.8/23

All: 82.785+/-0.012 χ^2/NDF: 1716807.2/49

- sign 83.065+/-0.016 χ^2/NDF: 906892.4/25



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1010.111+/-291.945 χ^2/NDF:20.4/7

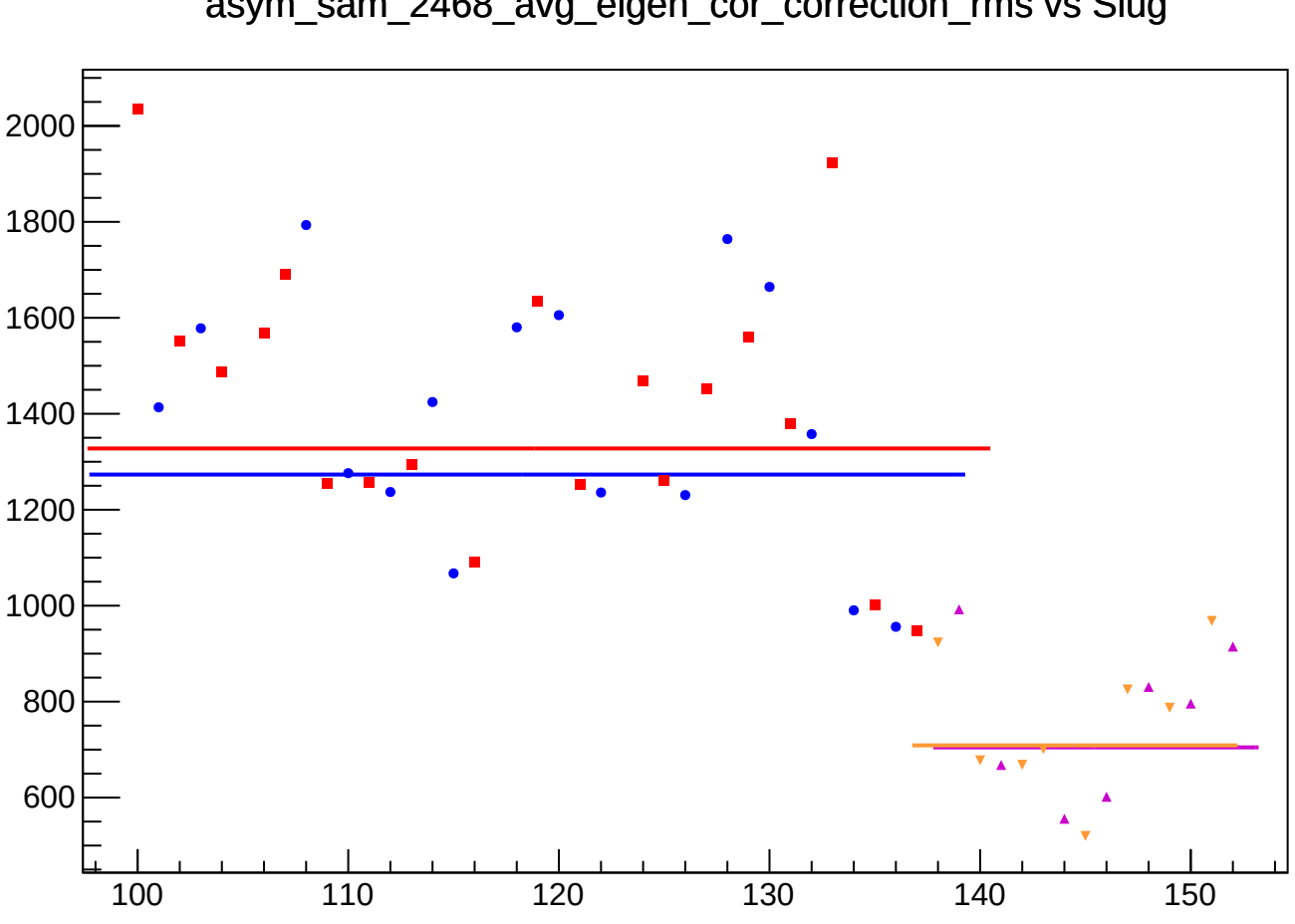
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -270.823+/-291.644 χ^2/NDF:5.1/6

+ sign -922.001+/-250.328 χ^2/NDF: 41.0/23

All: -694.659+/-177.434 χ^2/NDF: 60.4/49

- sign -465.115+/-251.537 χ^2/NDF: 17.8/25



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 708.862+/-0.206 χ^2/NDF:468078.7/7

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

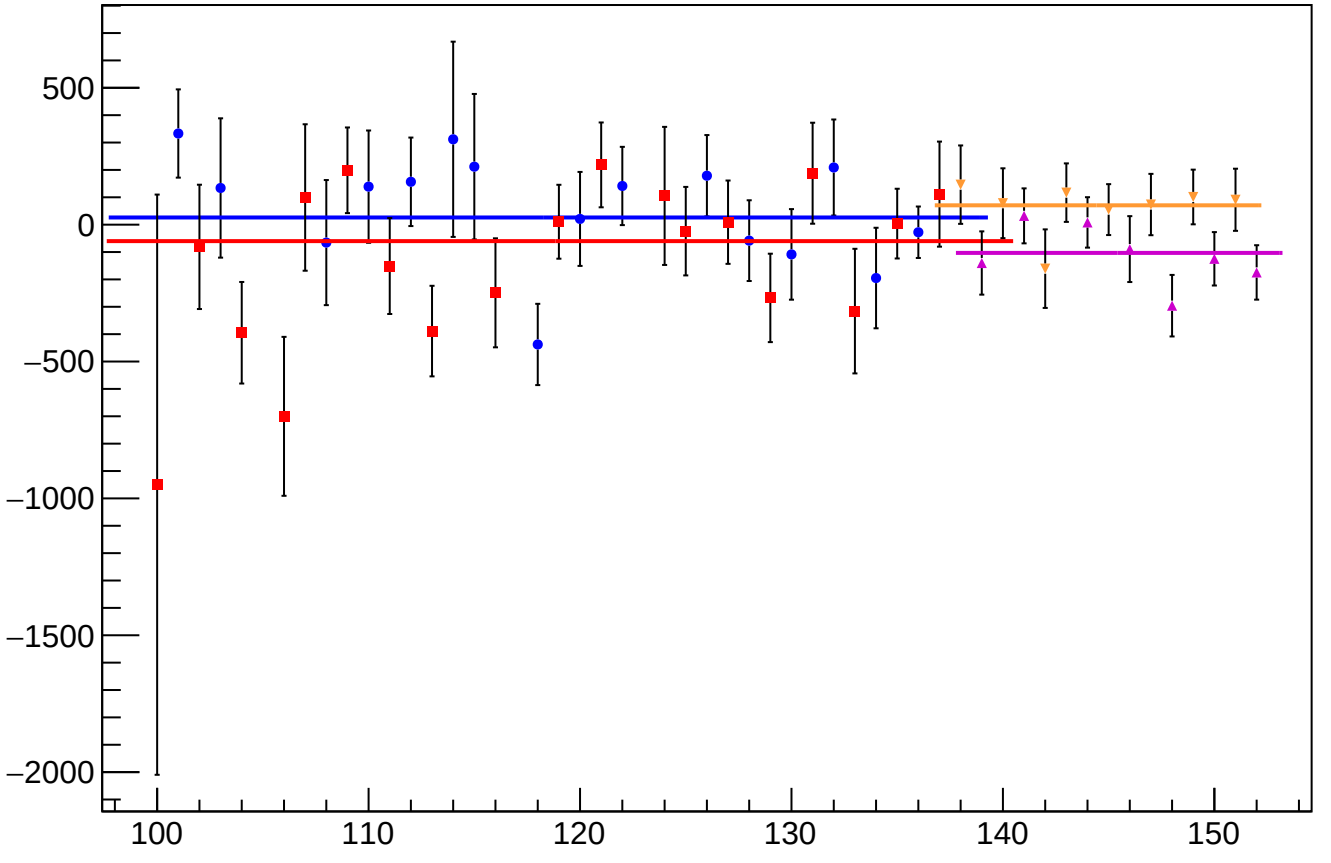
Left In: 704.645+/-0.206 χ^2/NDF:477237.2/6

+ sign 858.321+/-0.177 χ^2/NDF: 3045279.5/23

All: 861.255+/-0.125 χ^2/NDF: 6319213.3/49

- sign 864.217+/-0.178 χ^2/NDF: 3273381.8/25

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 70.688+/-40.175 χ^2/NDF:3.2/7

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

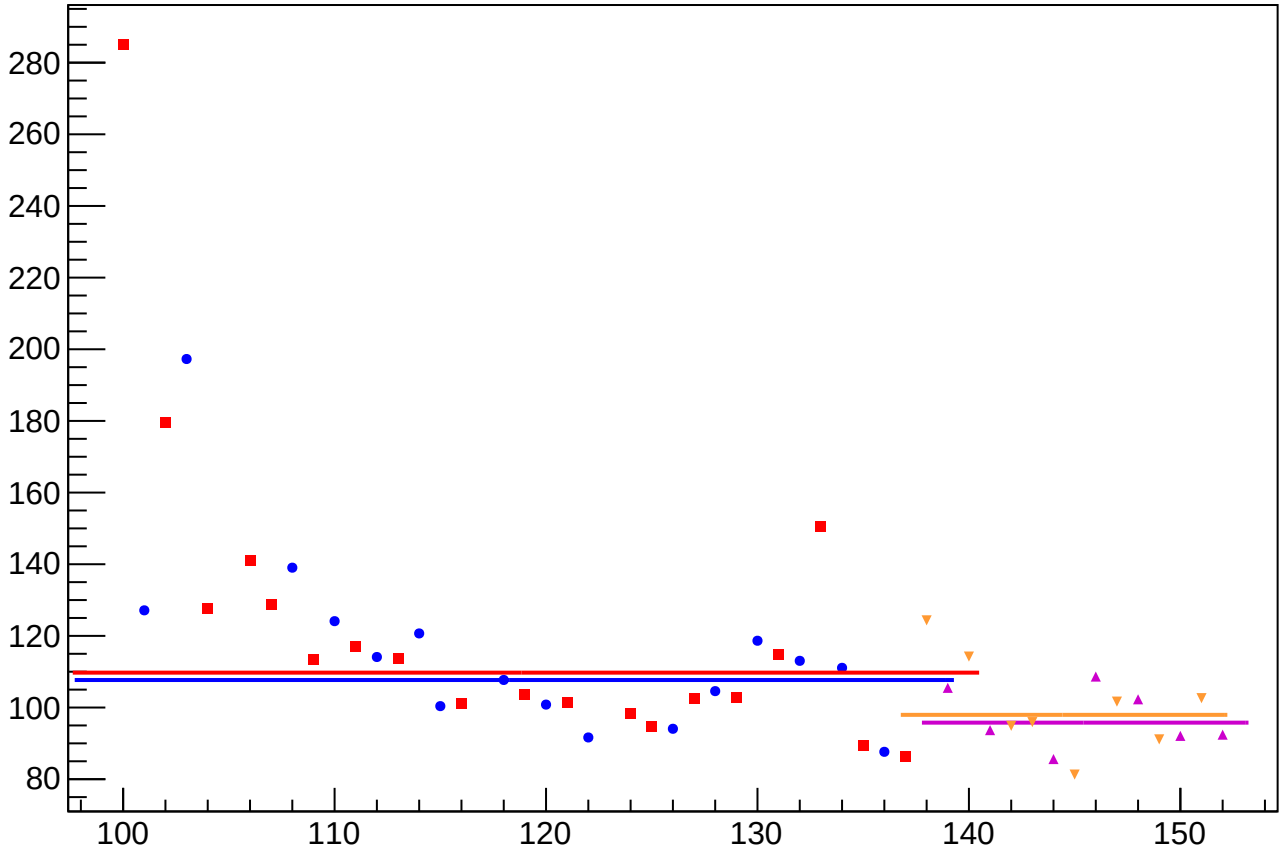
Left In: -103.152+/-39.333 χ^2/NDF:6.9/6

+ sign 49.040+/-28.770 χ^2/NDF: 25.2/23

All: -17.372+/-20.268 χ^2/NDF: 70.2/49

- sign -82.803+/-28.557 χ^2/NDF: 34.5/25

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 97.960+/-0.028 χ^2/NDF:181162.7/7

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

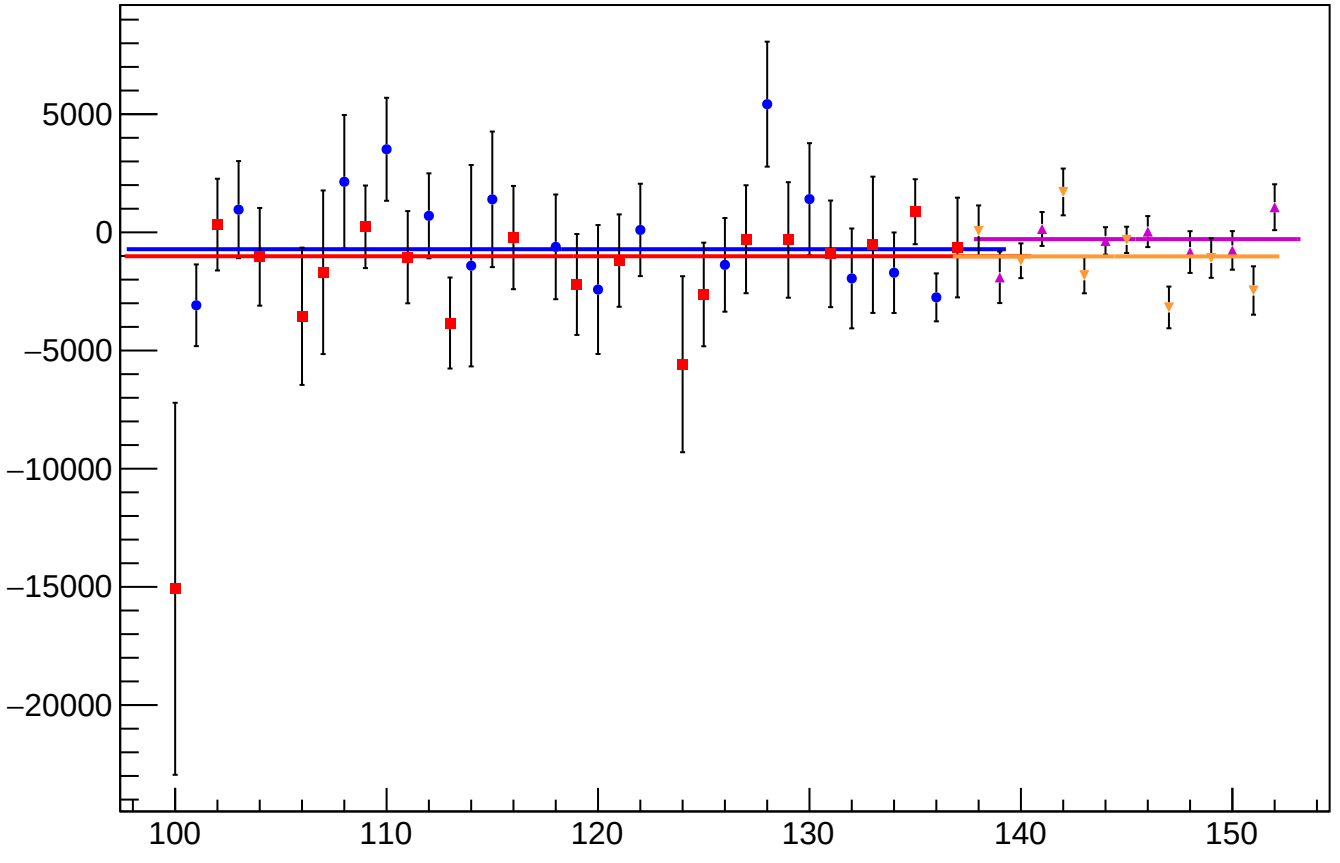
Left In: 95.782+/-0.028 χ^2/NDF:74046.8/6

+ sign 102.695+/-0.020 χ^2/NDF: 721322.7/23

All: 102.538+/-0.014 χ^2/NDF: 1406355.3/49

- sign 102.382+/-0.020 χ^2/NDF: 684913.6/25

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1016.850+/-284.867 χ^2/NDF:19.3/7

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

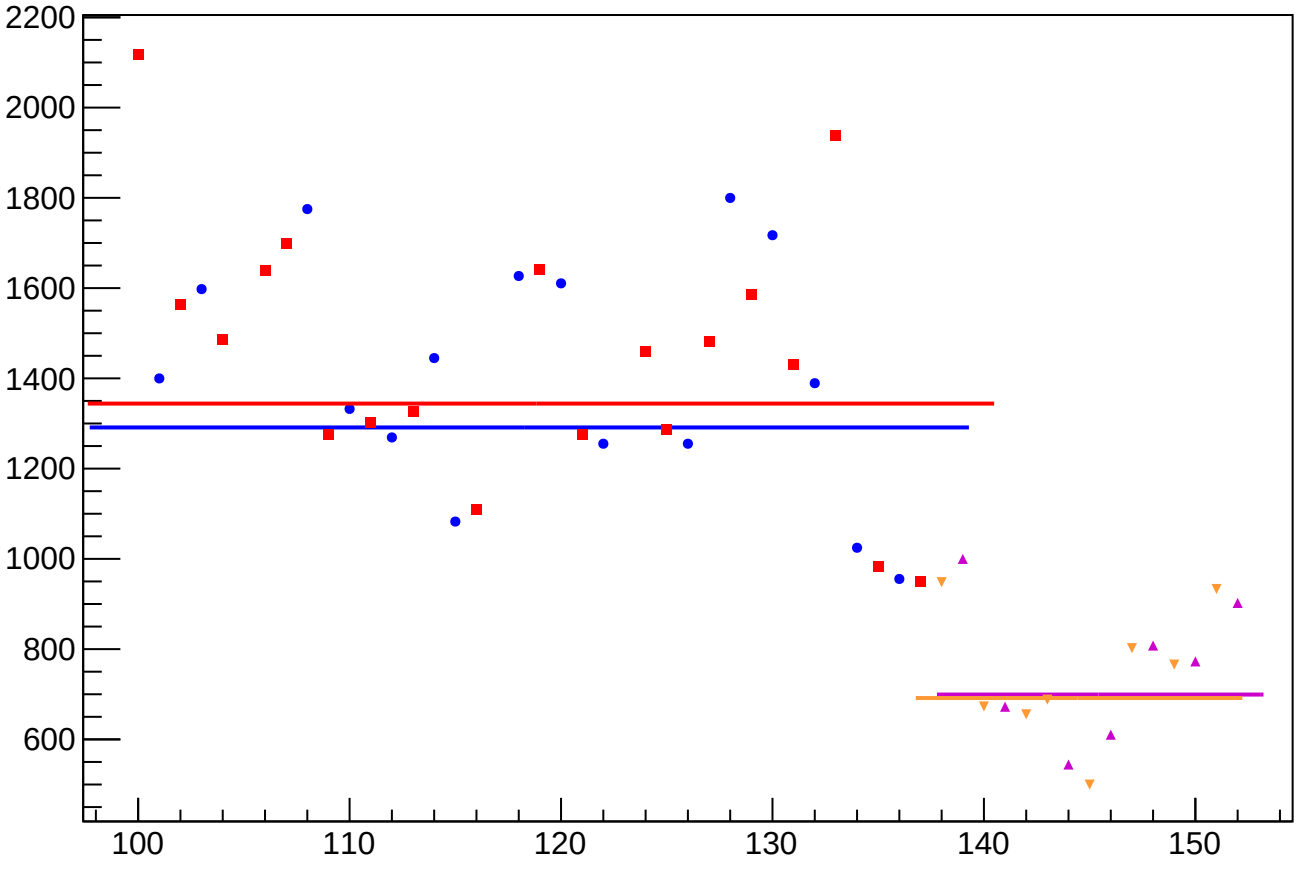
Left In: -286.051+/-289.689 χ^2/NDF:5.5/6

+ sign -940.825+/-246.683 χ^2/NDF: 39.7/23

All: -708.050+/-175.879 χ^2/NDF: 60.3/49

- sign -467.384+/-250.830 χ^2/NDF: 18.8/25

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 691.636+/-0.201 χ^2/NDF:512251.5/7

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

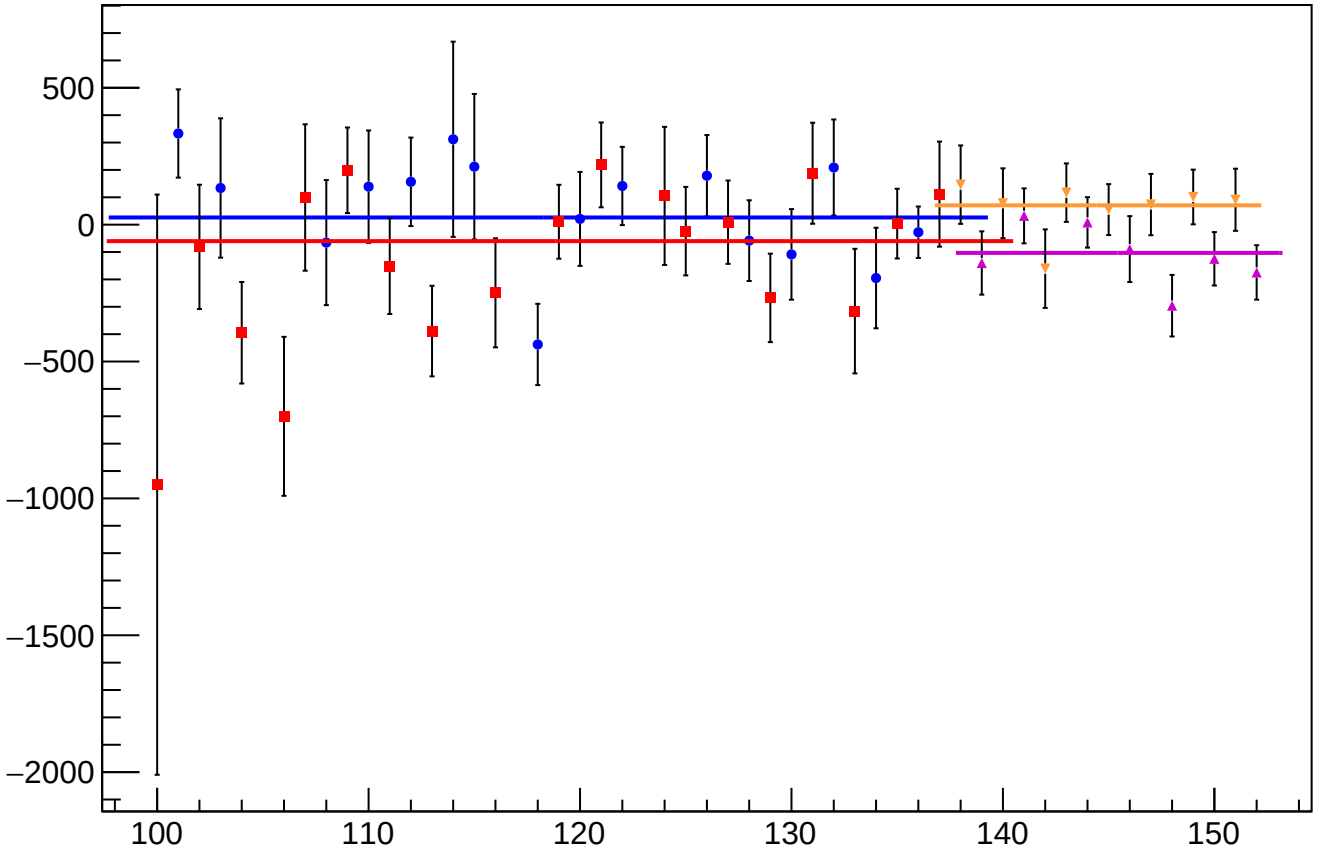
Left In: 699.330+/-0.205 χ^2/NDF:468053.1/6

\+ sign 841.602+/-0.174 χ^2/NDF: 3339250.9/23

All: 850.997+/-0.124 χ^2/NDF: 6784079.9/49

\- sign 860.711+/-0.177 χ^2/NDF: 3438928.0/25

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 70.688+/-40.175 χ^2/NDF:3.2/7

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

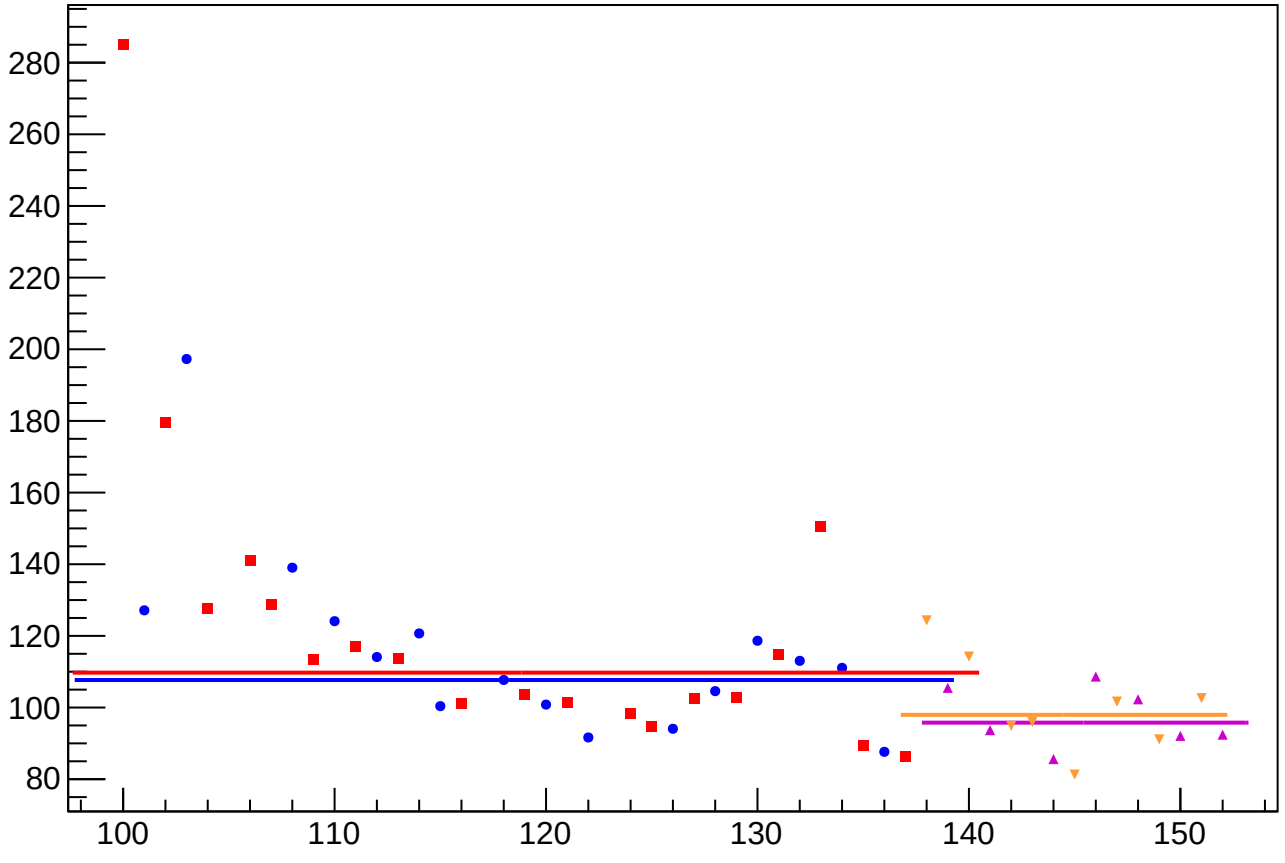
Left In: -103.153+/-39.333 χ^2/NDF:6.9/6

+ sign 49.040+/-28.770 χ^2/NDF: 25.2/23

All: -17.371+/-20.268 χ^2/NDF: 70.2/49

- sign -82.802+/-28.557 χ^2/NDF: 34.5/25

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 97.960+/-0.028 χ^2/NDF:181150.4/7

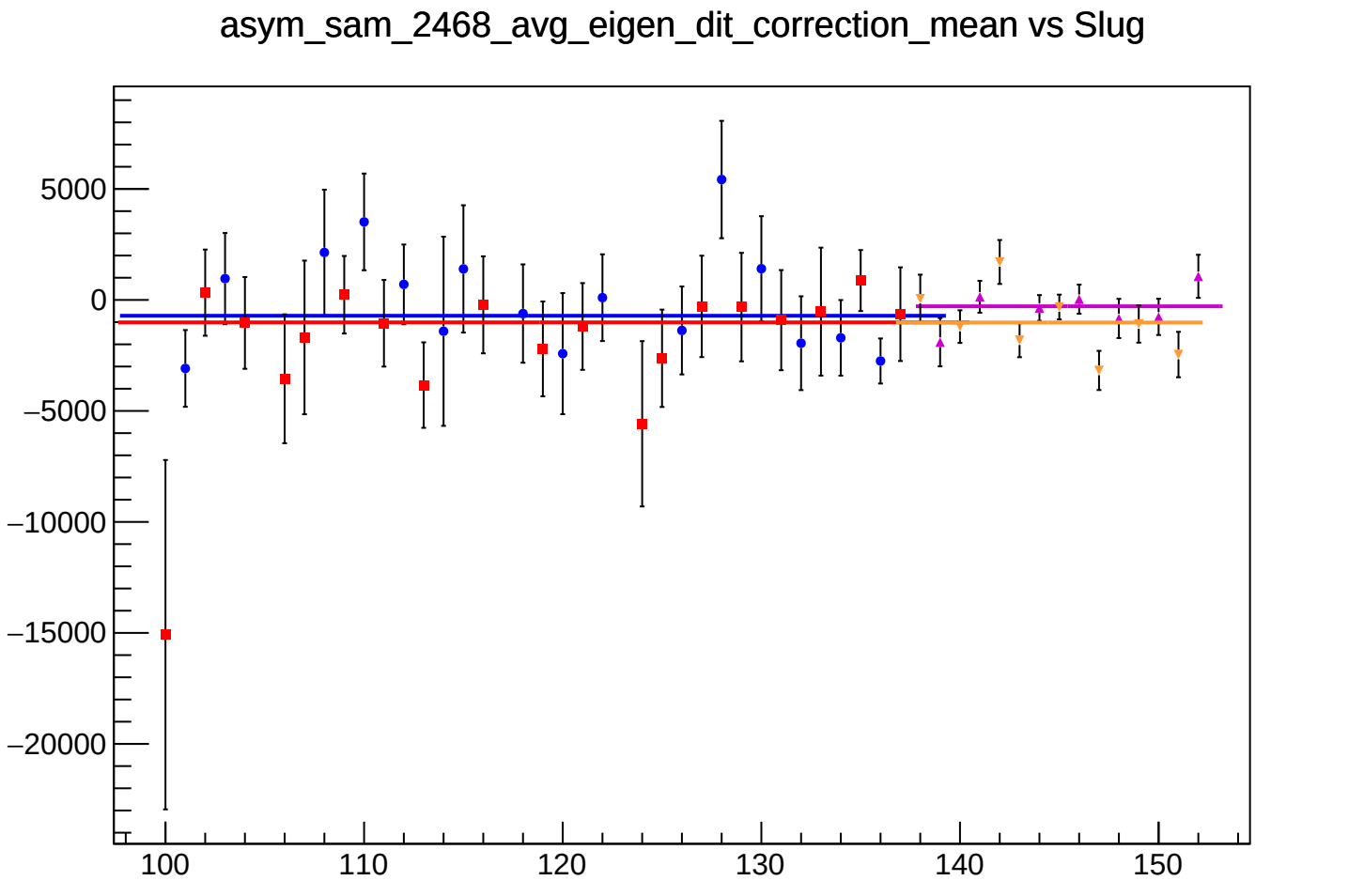
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 95.783+/-0.028 χ^2/NDF:74044.0/6

+ sign 102.695+/-0.020 χ^2/NDF: 721282.8/23

All: 102.537+/-0.014 χ^2/NDF: 1406291.6/49

- sign 102.382+/-0.020 χ^2/NDF: 684889.9/25



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1016.850+/-284.866 χ^2/NDF:19.3/7

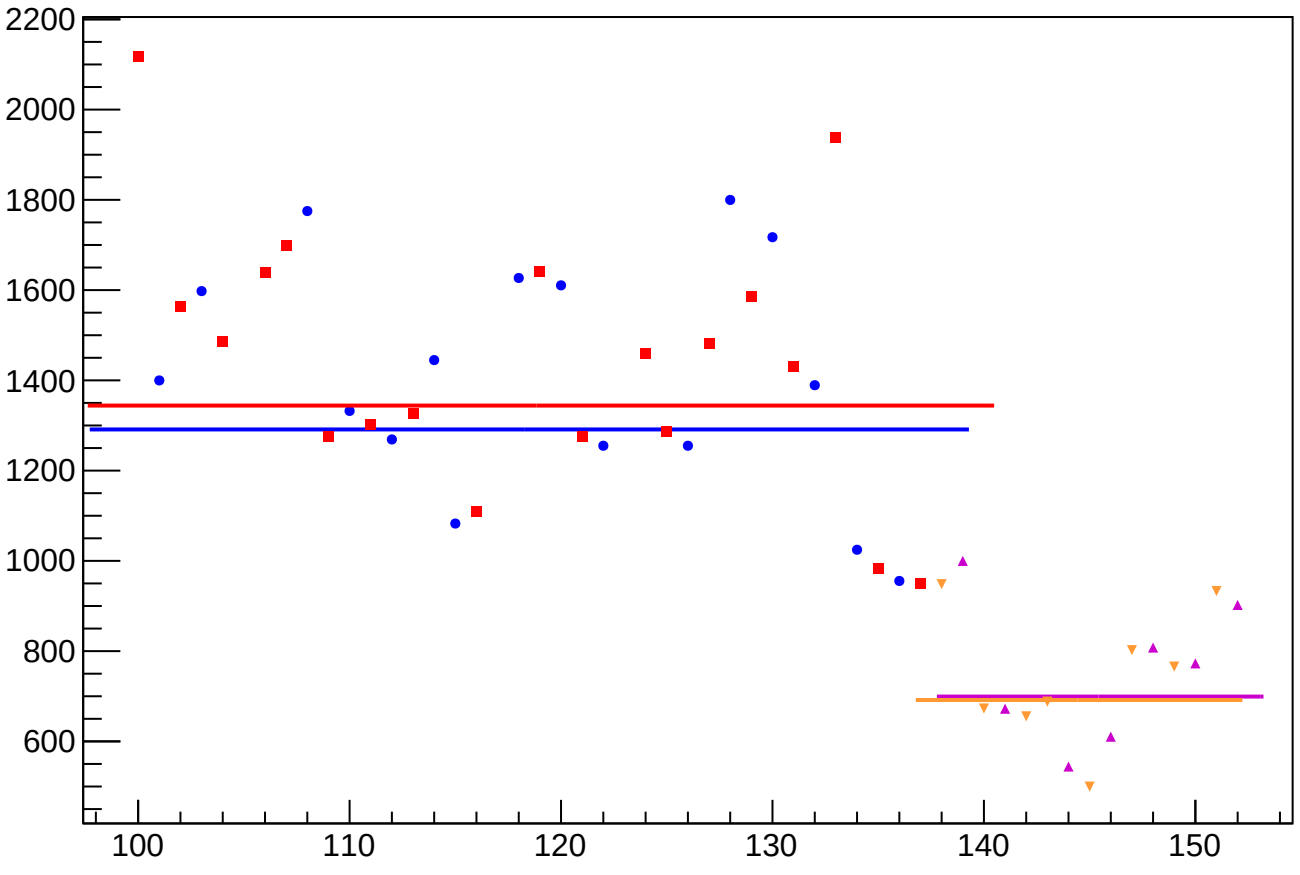
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -286.051+/-289.688 χ^2/NDF:5.5/6

+ sign -940.823+/-246.682 χ^2/NDF: 39.7/23

All: -708.050+/-175.879 χ^2/NDF: 60.3/49

- sign -467.384+/-250.830 χ^2/NDF: 18.8/25



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 691.634+/-0.201 χ^2/NDF:512255.7/7

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

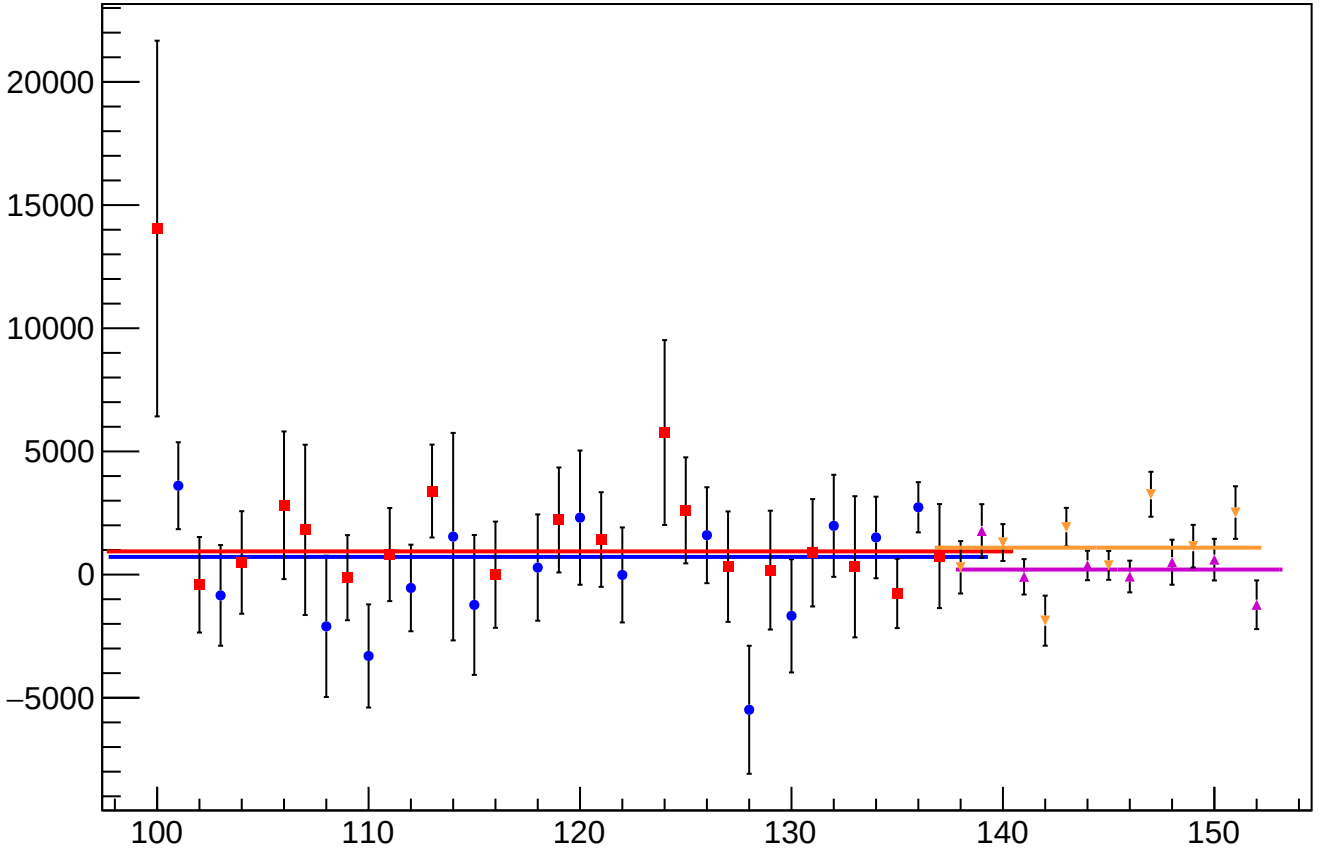
Left In: 699.329+/-0.205 χ^2/NDF:468052.2/6

+ sign 841.600+/-0.174 χ^2/NDF: 3339254.0/23

All: 850.996+/-0.124 χ^2/NDF: 6784076.0/49

- sign 860.710+/-0.177 χ^2/NDF: 3438920.7/25

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1093.189+/-293.770 χ^2/NDF:19.2/7

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

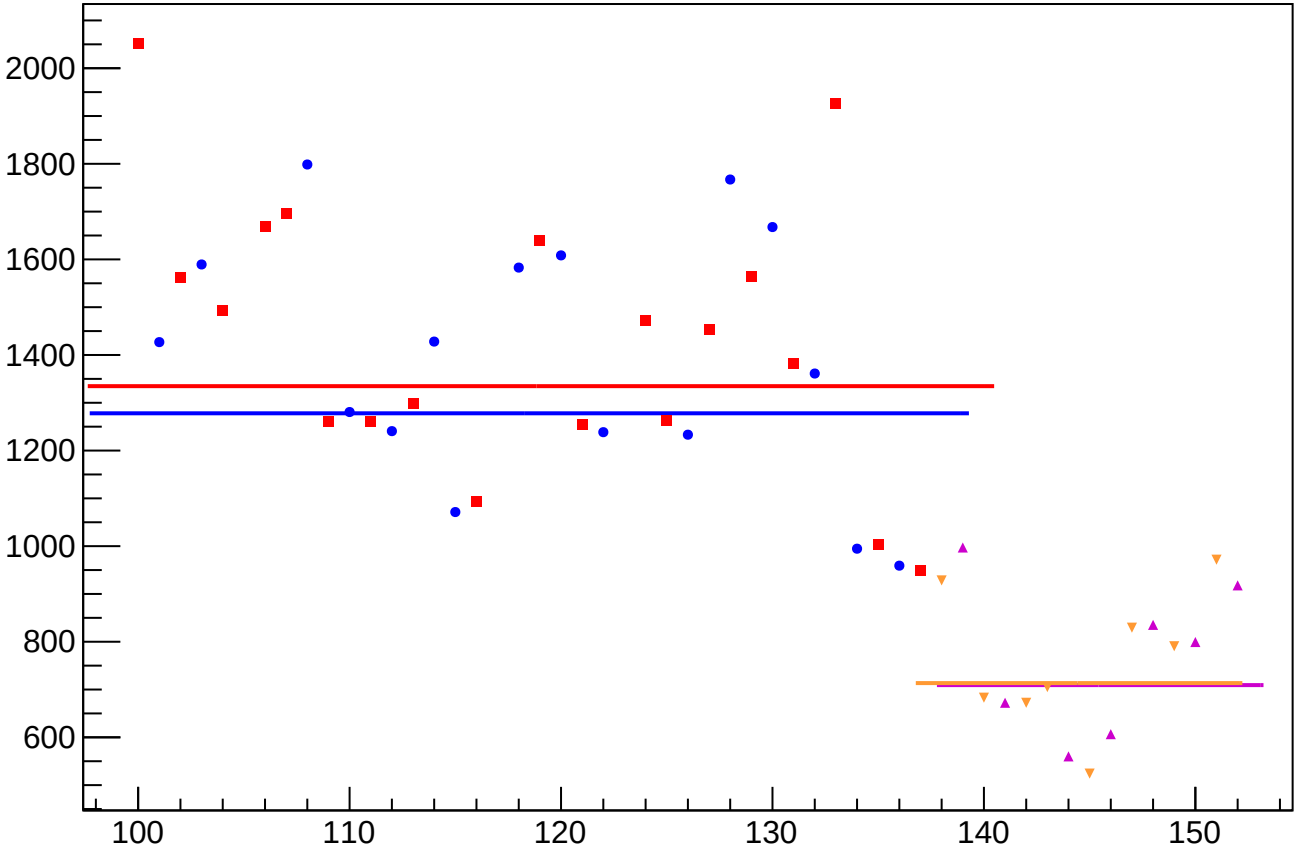
Left In: 204.278+/-293.470 χ^2/NDF:4.9/6

+ sign 993.360+/-251.717 χ^2/NDF: 40.6/23

All: 695.255+/-178.387 χ^2/NDF: 60.6/49

- sign 394.482+/-252.841 χ^2/NDF: 17.2/25

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 713.475+/-0.208 χ^2/NDF:462121.3/7

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

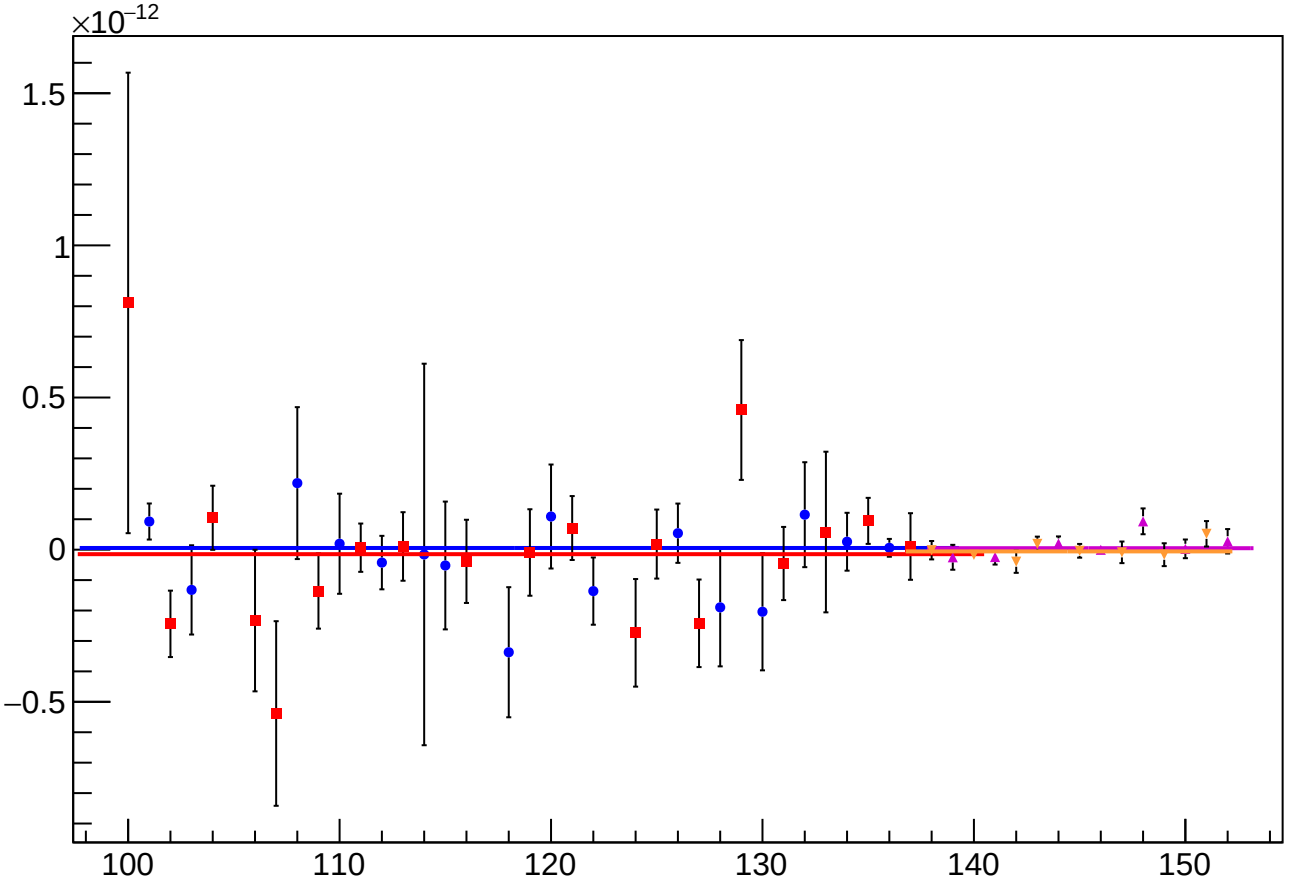
Left In: 709.267+/-0.208 χ^2/NDF:470765.0/6

+ sign 863.523+/-0.178 χ^2/NDF: 3022746.4/23

All: 866.982+/-0.126 χ^2/NDF: 6307784.6/49

- sign 870.472+/-0.179 χ^2/NDF: 3284279.4/25

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/7

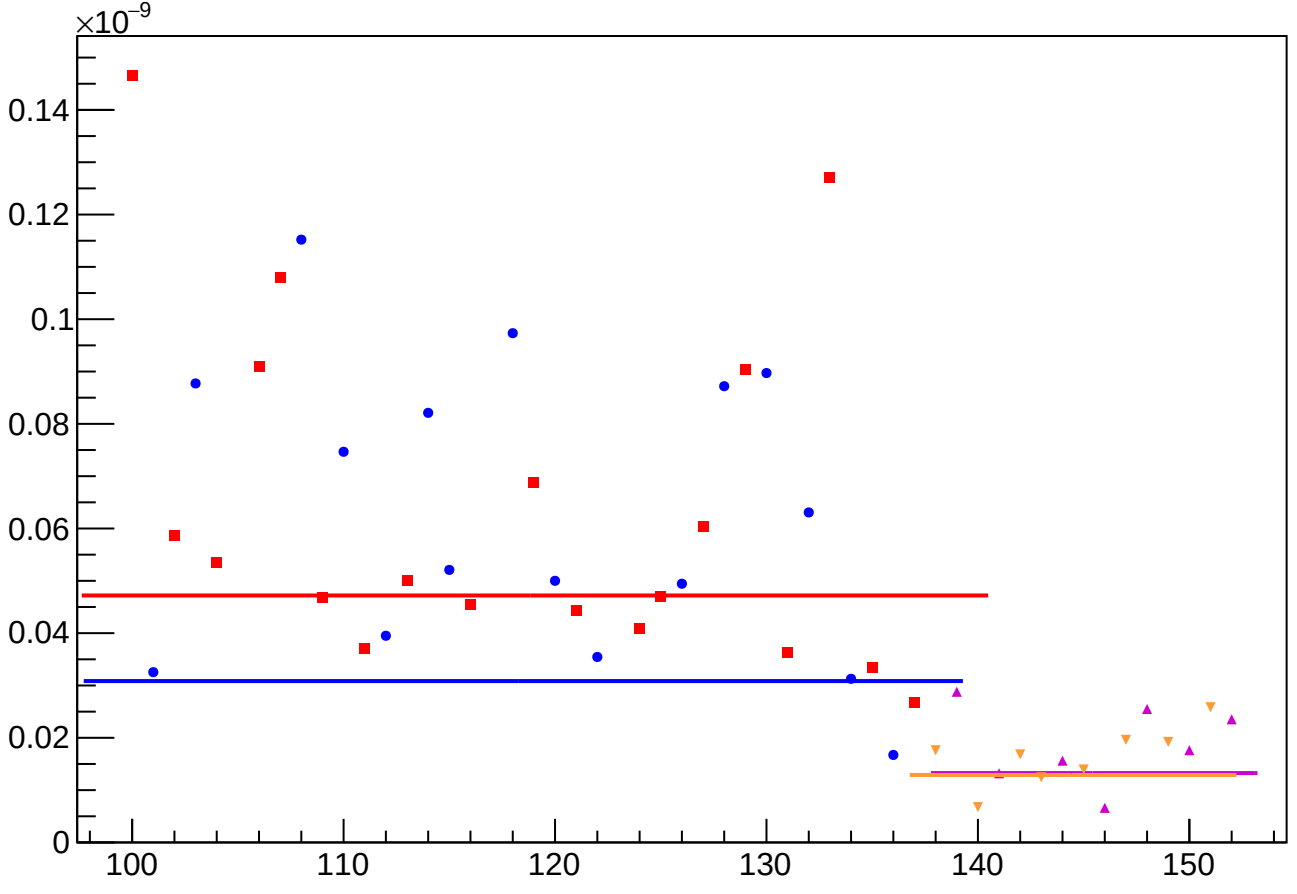
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.1/6

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

All: -0.000+/-0.000 χ^2/NDF: 48.0/49

- sign 0.000+/-0.000 χ^2/NDF: 31.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:722198.0/7

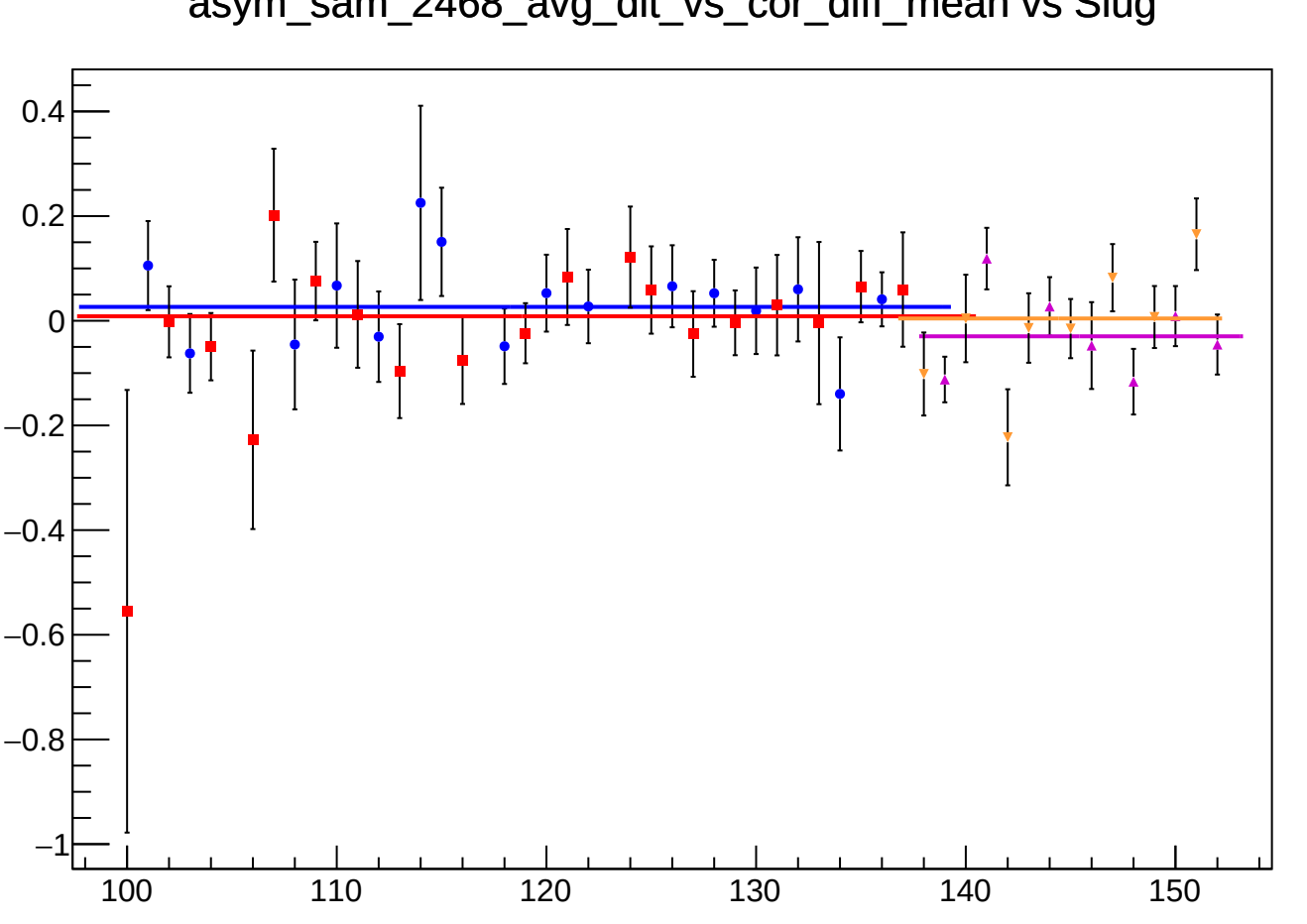
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1065153.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 3808094.9/23

All: 0.000+/-0.000 χ^2/NDF: 8141016.5/49

- sign 0.000+/-0.000 χ^2/NDF: 4319610.3/25



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.024 χ^2/NDF:15.1/7

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

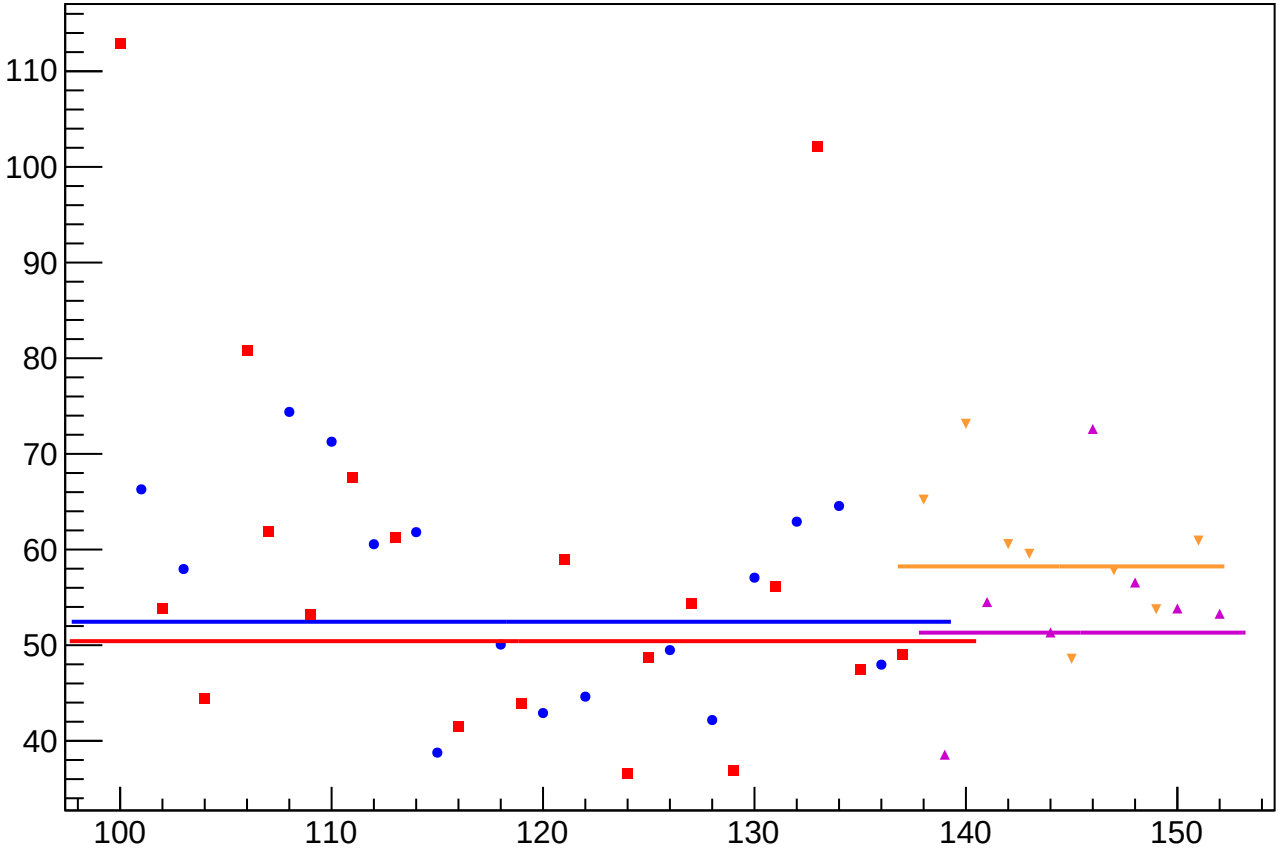
Left In: -0.030+/-0.022 χ^2/NDF:13.5/6

+ sign 0.017+/-0.016 χ^2/NDF: 25.5/23

All: 0.003+/-0.011 χ^2/NDF: 56.2/49

- sign -0.009+/-0.014 χ^2/NDF: 29.2/25

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 58.235+/-0.017 χ^2/NDF:154002.7/7

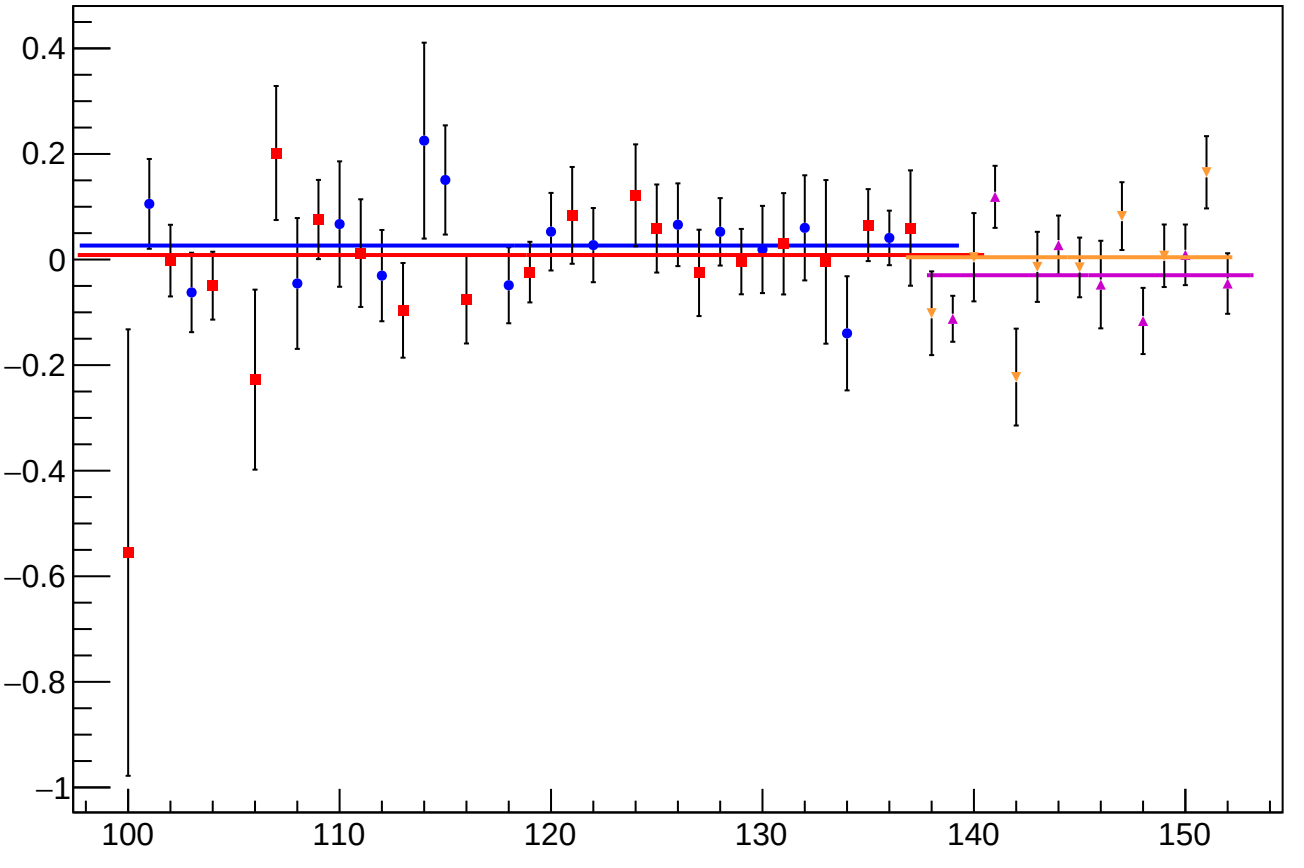
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.314+/-0.015 χ^2/NDF:329592.2/6

+ sign 54.848+/-0.011 χ^2/NDF: 638673.8/23

All: 52.683+/-0.008 χ^2/NDF: 1718455.1/49

- sign 50.823+/-0.010 χ^2/NDF: 1008217.9/25



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.024 χ^2/NDF:15.1/7

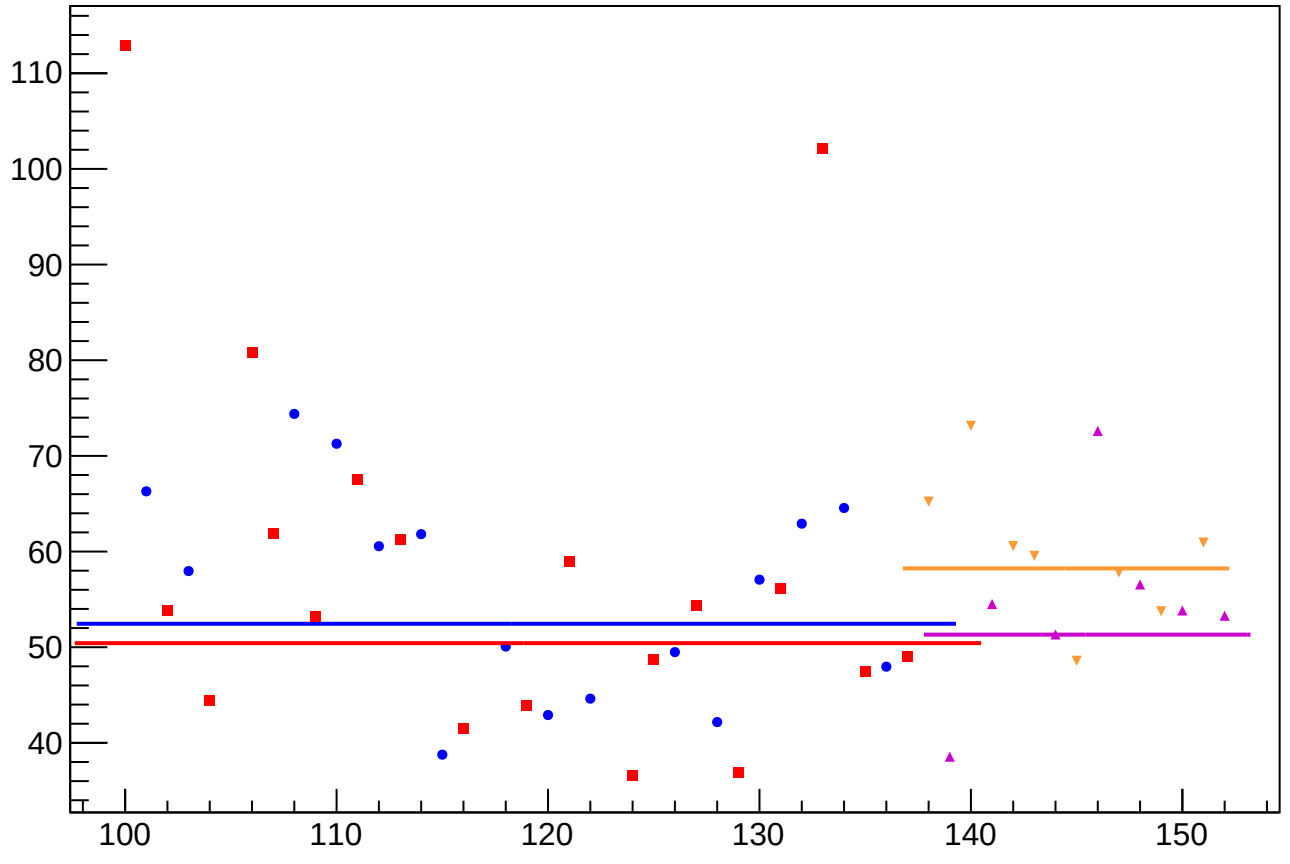
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.030+/-0.022 χ^2/NDF:13.5/6

+ sign 0.017+/-0.016 χ^2/NDF: 25.5/23

All: 0.003+/-0.011 χ^2/NDF: 56.2/49

- sign -0.009+/-0.014 χ^2/NDF: 29.2/25



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 58.235+/-0.017 χ^2/NDF:154002.7/7

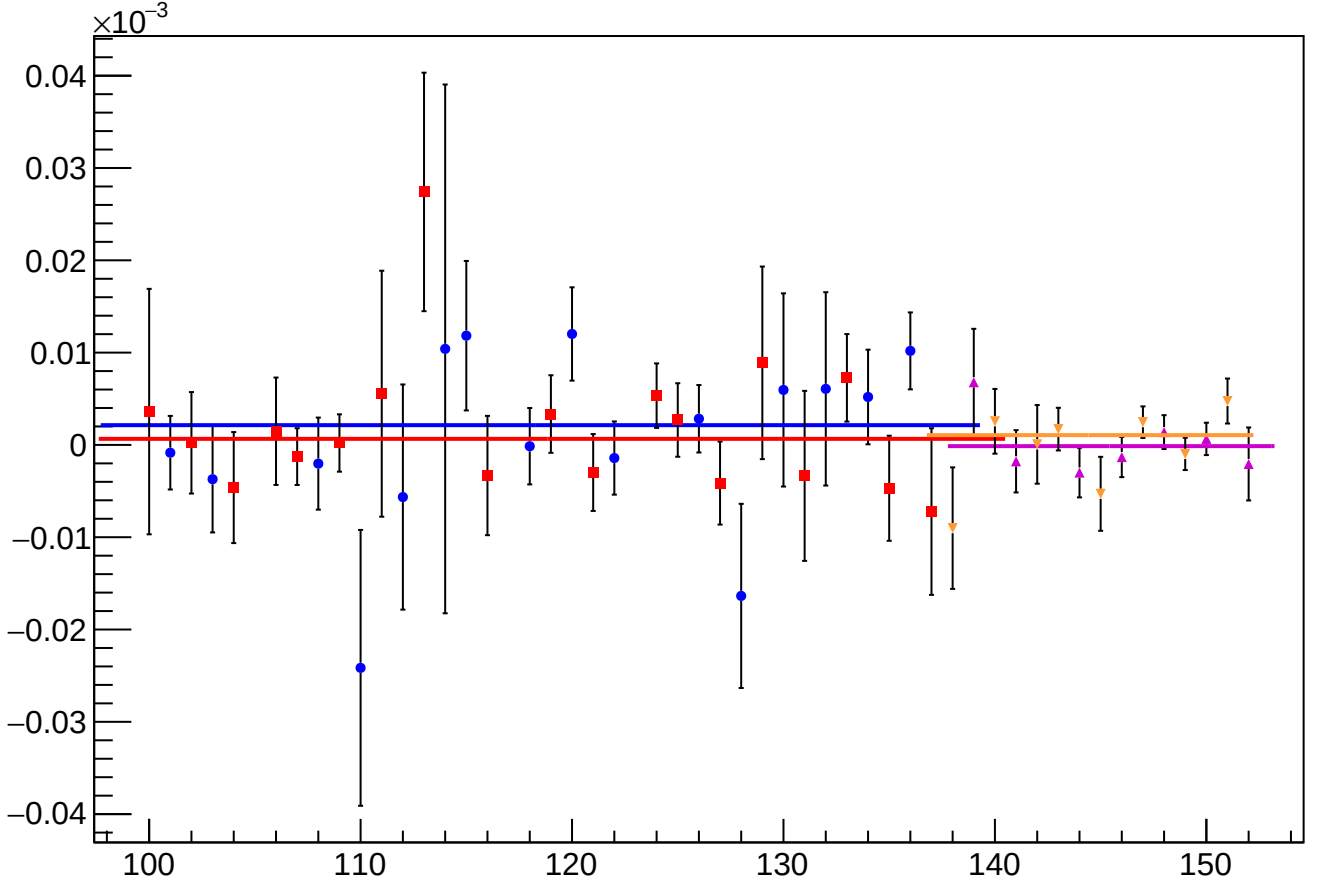
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.314+/-0.015 χ^2/NDF:329592.2/6

\+ sign 54.848+/-0.011 χ^2/NDF: 638673.8/23

All: 52.683+/-0.008 χ^2/NDF: 1718455.1/49

\- sign 50.823+/-0.010 χ^2/NDF: 1008217.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/7

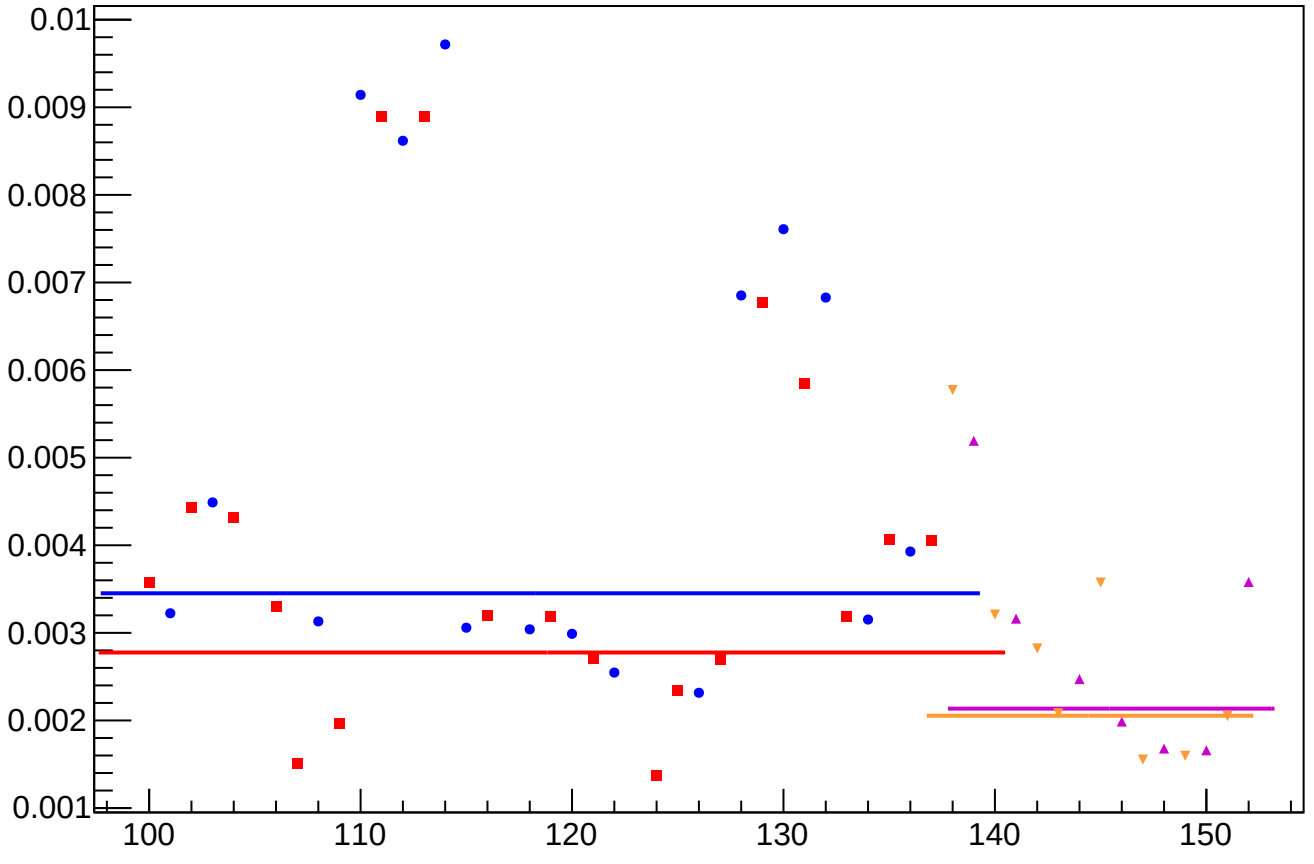
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 30.0/23

All: 0.000+/-0.000 χ^2/NDF: 50.7/49

- sign 0.000+/-0.000 χ^2/NDF: 19.3/25



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1515508.3/7

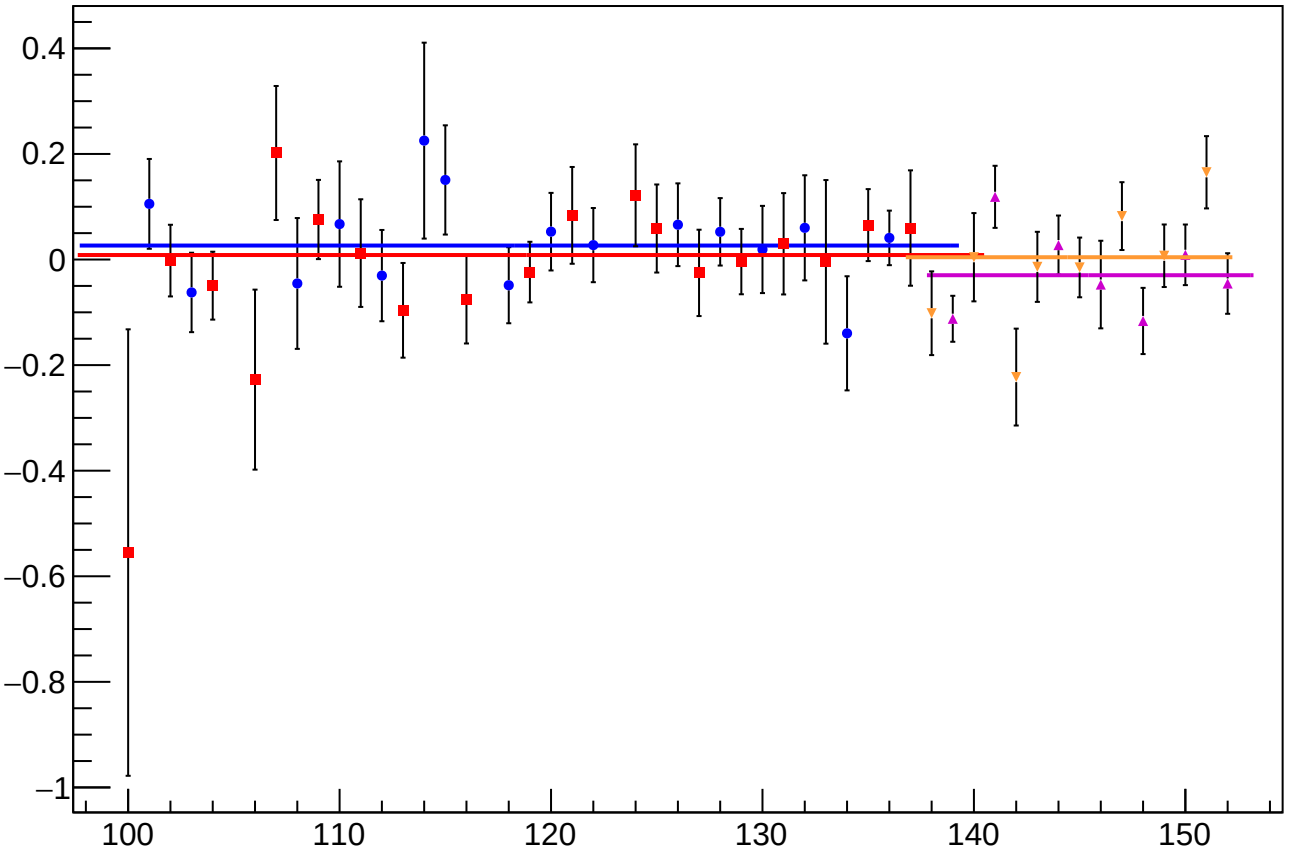
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1322497.9/6

+ sign 0.002+/-0.000 χ^2/NDF: 4901323.8/23

All: 0.002+/-0.000 χ^2/NDF: 9345149.7/49

- sign 0.002+/-0.000 χ^2/NDF: 4433041.8/25



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.024 χ^2/NDF:15.1/7

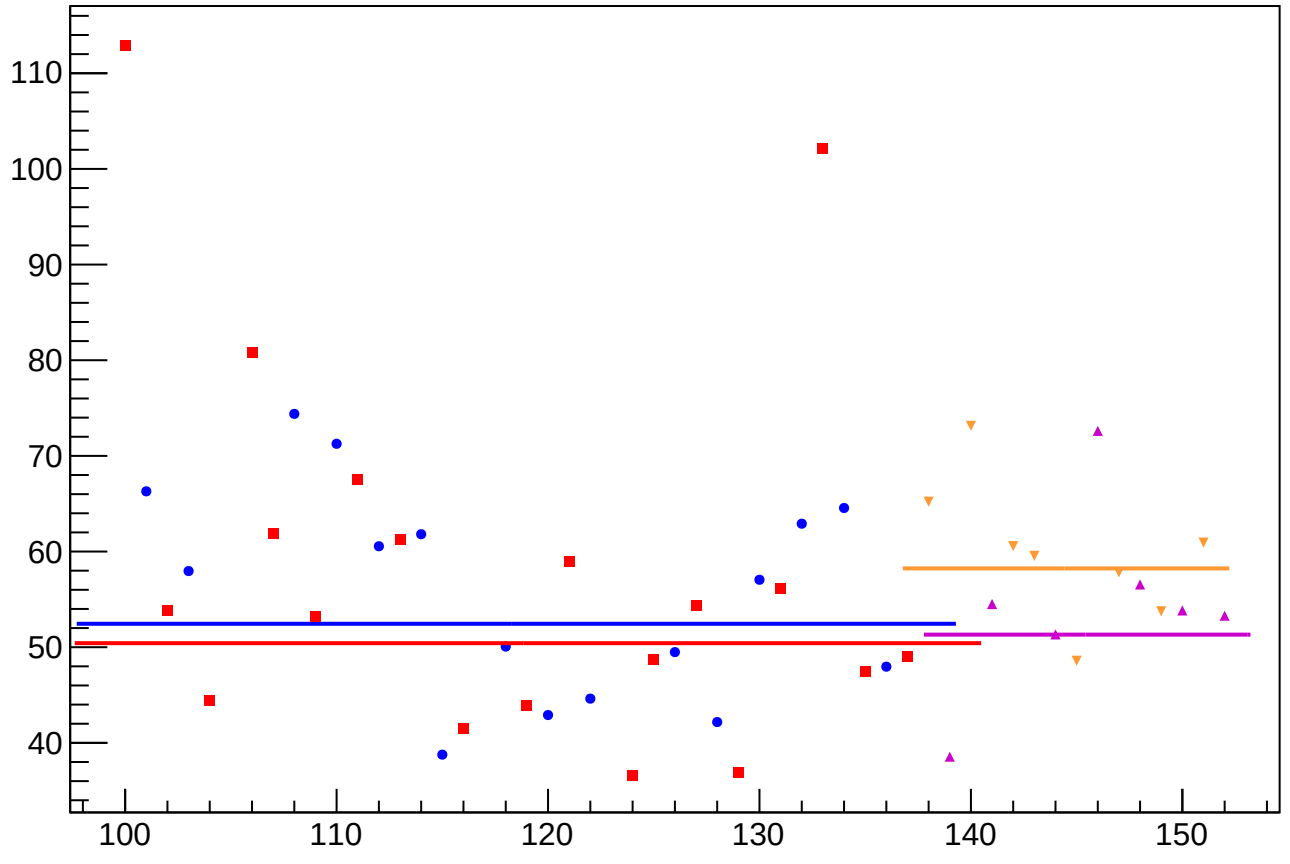
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.030+/-0.022 χ^2/NDF:13.5/6

+ sign 0.017+/-0.016 χ^2/NDF: 25.5/23

All: 0.003+/-0.011 χ^2/NDF: 56.2/49

- sign -0.009+/-0.014 χ^2/NDF: 29.2/25



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.236+/-0.017 χ^2/NDF:153975.5/7

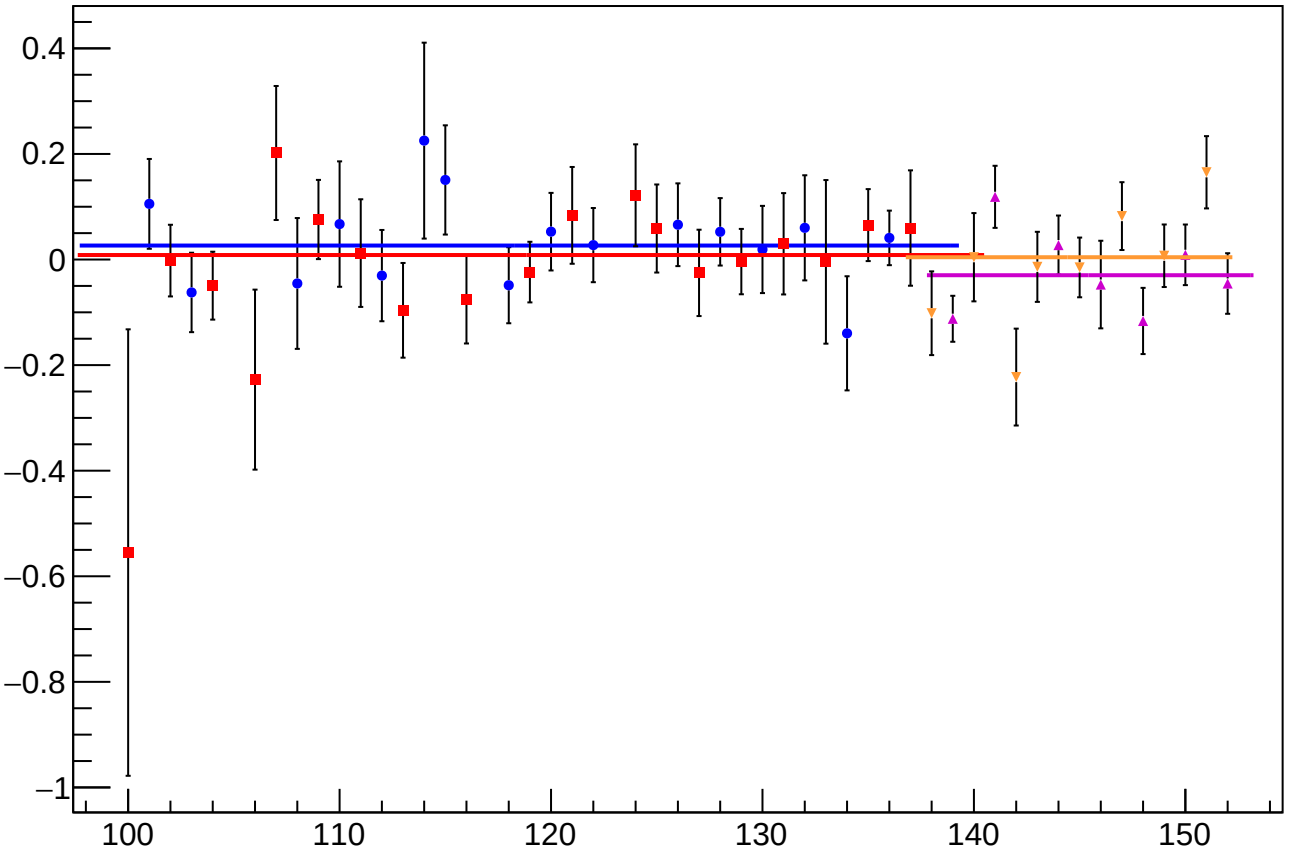
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.315+/-0.015 χ^2/NDF:329640.0/6

+ sign 54.848+/-0.011 χ^2/NDF: 638642.3/23

All: 52.682+/-0.008 χ^2/NDF: 1718487.0/49

- sign 50.822+/-0.010 χ^2/NDF: 1008277.5/25



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.024 χ^2/NDF:15.1/7

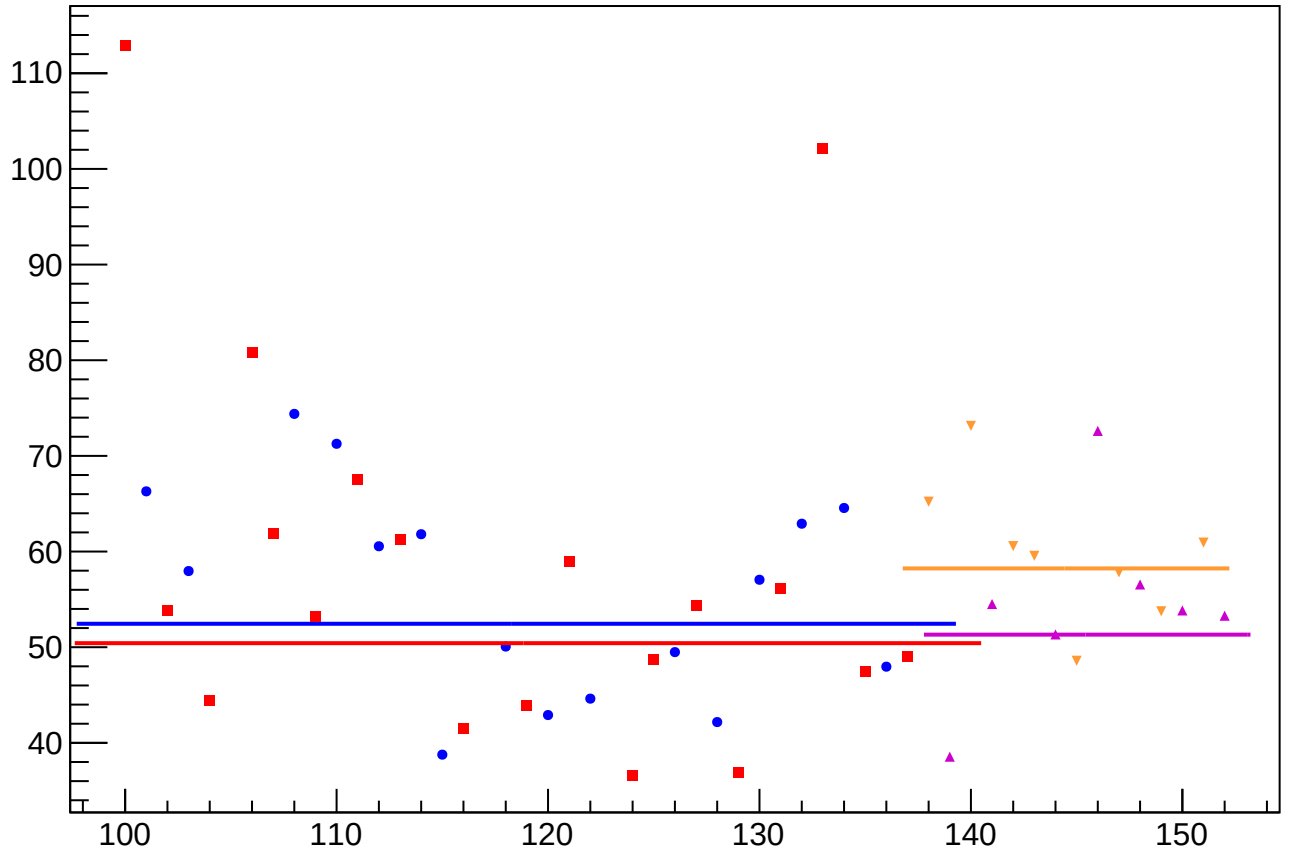
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.030+/-0.022 χ^2/NDF:13.5/6

+ sign 0.017+/-0.016 χ^2/NDF: 25.5/23

All: 0.003+/-0.011 χ^2/NDF: 56.2/49

- sign -0.009+/-0.014 χ^2/NDF: 29.2/25



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.236+/-0.017 χ^2/NDF:153975.5/7

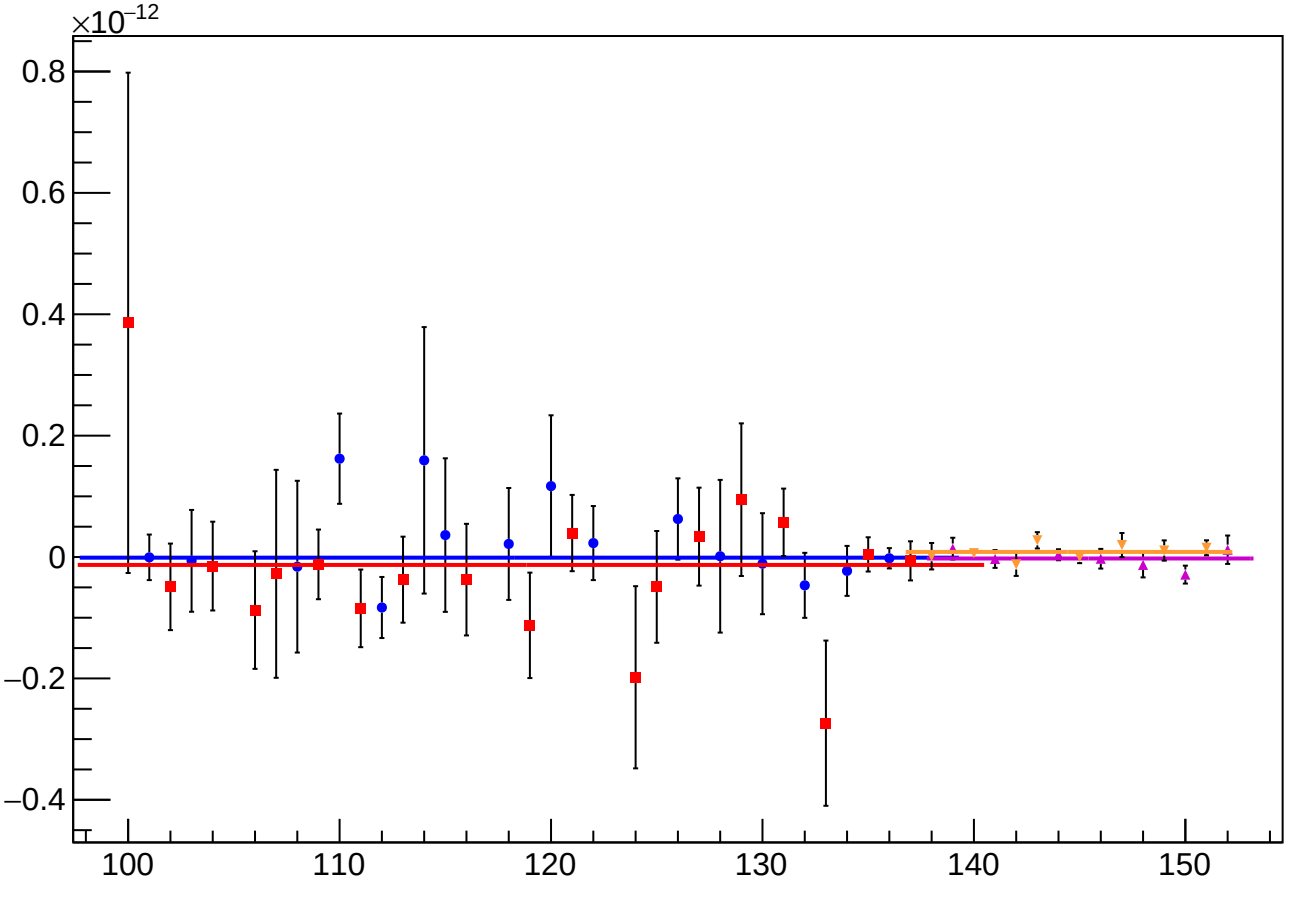
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.315+/-0.015 χ^2/NDF:329640.0/6

+ sign 54.848+/-0.011 χ^2/NDF: 638642.3/23

All: 52.682+/-0.008 χ^2/NDF: 1718487.0/49

- sign 50.822+/-0.010 χ^2/NDF: 1008277.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/7

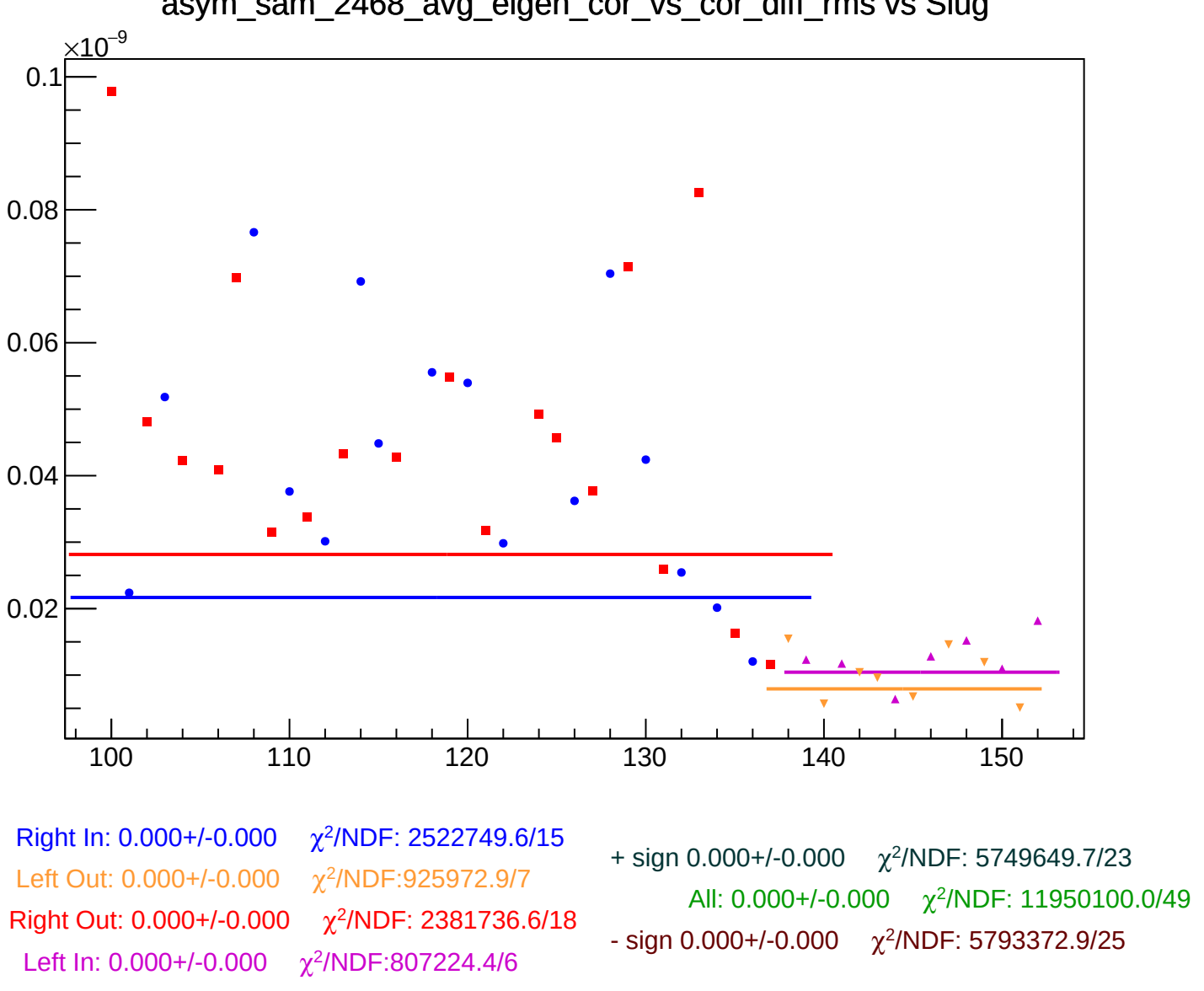
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/6

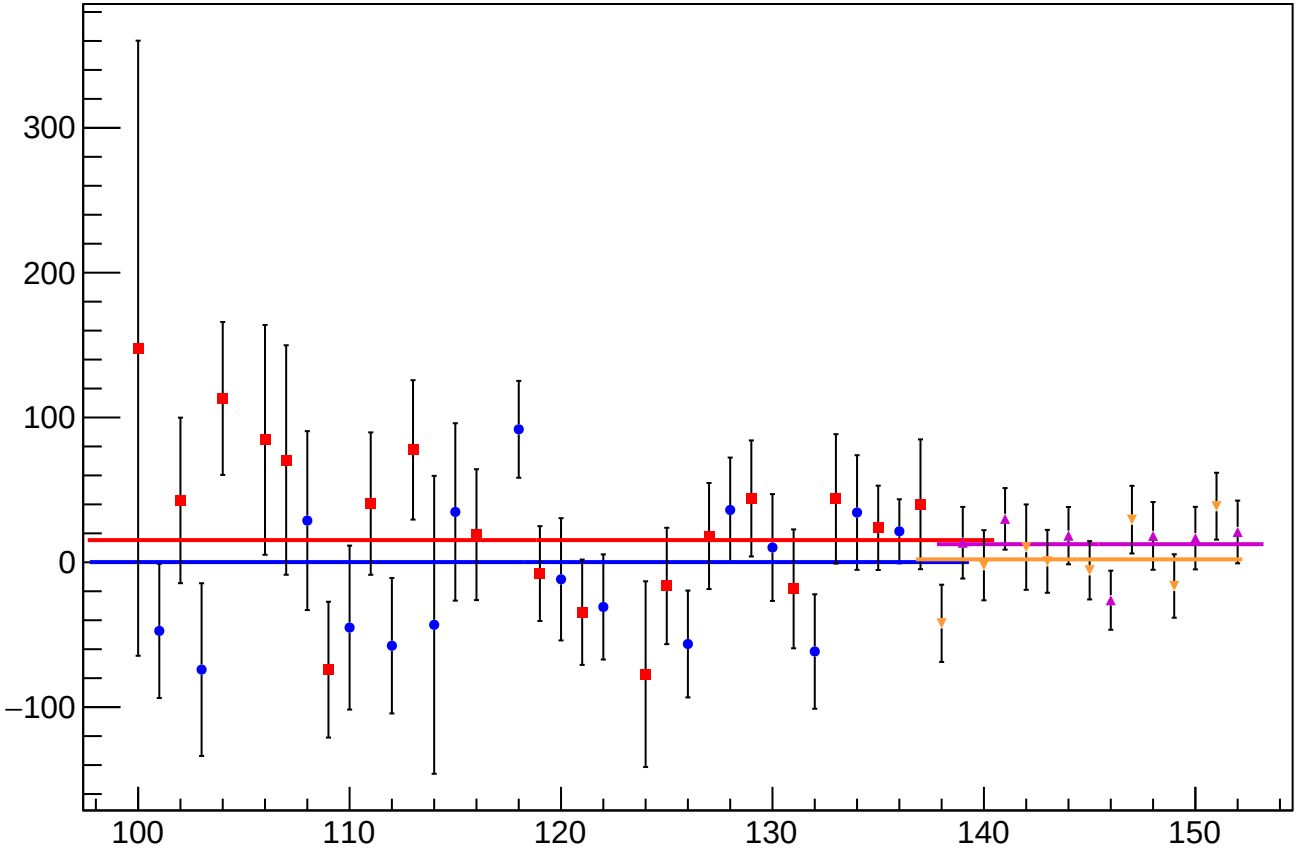
+ sign 0.000+/-0.000 χ^2/NDF: 16.5/23

All: 0.000+/-0.000 χ^2/NDF: 38.5/49

- sign -0.000+/-0.000 χ^2/NDF: 19.3/25


asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2522749.6/15
Left Out: 0.000+/-0.000 χ²/NDF:925972.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 2381736.6/18
Left In: 0.000+/-0.000 χ²/NDF:807224.4/6
+ sign 0.000+/-0.000 χ²/NDF: 5749649.7/23
All: 0.000+/-0.000 χ²/NDF: 11950100.0/49
- sign 0.000+/-0.000 χ²/NDF: 5793372.9/25

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.040+/-8.264 χ^2/NDF:7.6/7

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

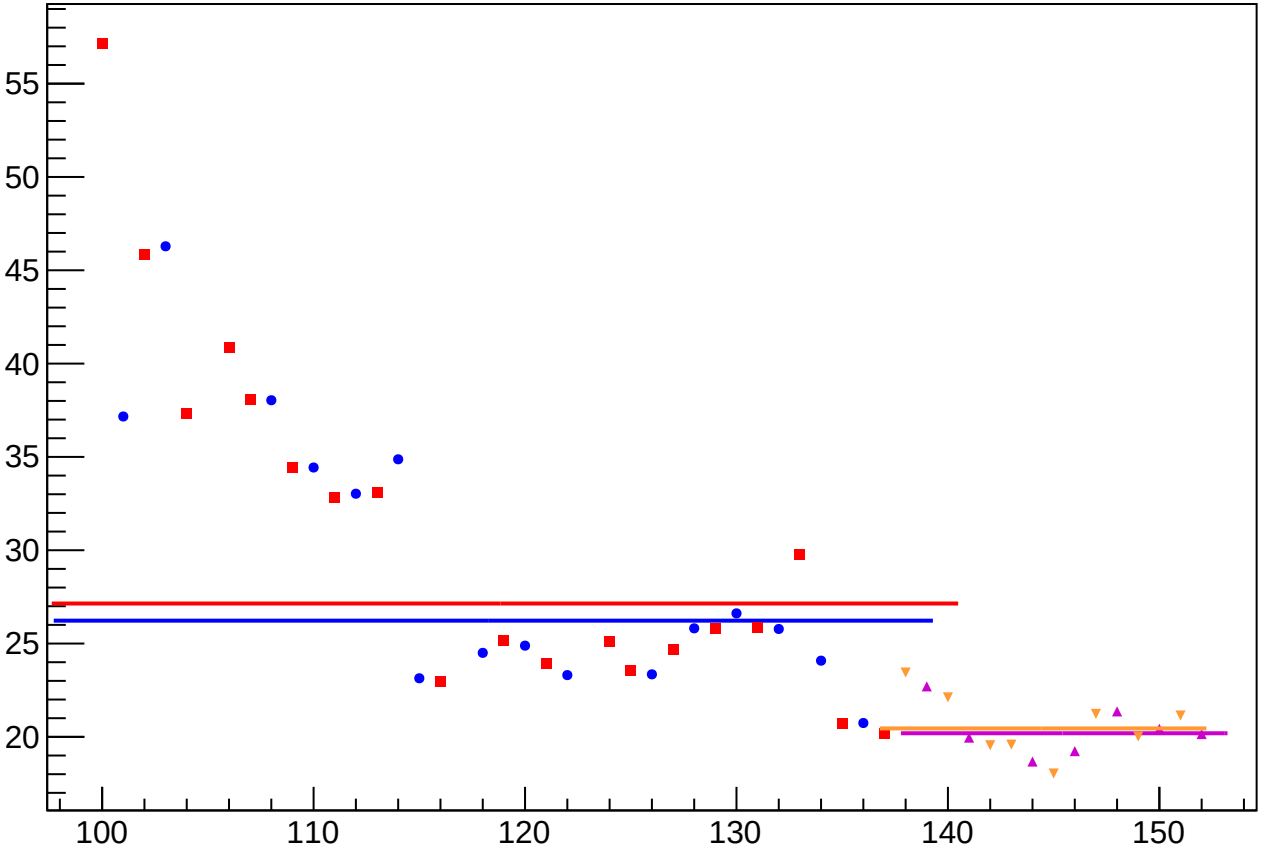
Left In: 12.513+/-8.191 χ^2/NDF:4.6/6

+ sign 1.279+/-6.383 χ^2/NDF: 29.0/23

All: 7.425+/-4.520 χ^2/NDF: 53.4/49

- sign 13.610+/-6.403 χ^2/NDF: 22.6/25

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.453+/-0.006 χ^2/NDF:73353.4/7

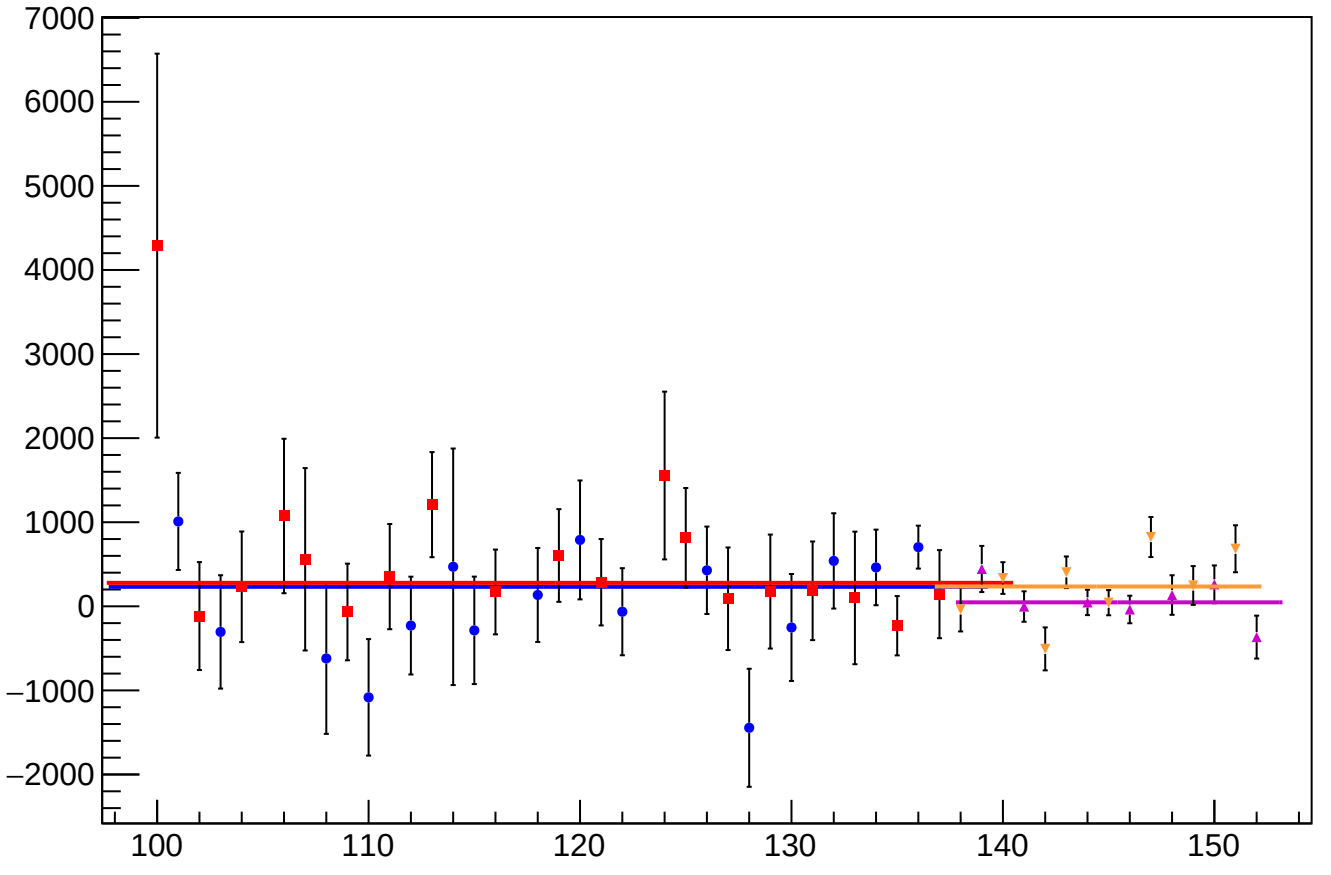
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.193+/-0.006 χ^2/NDF:42287.2/6

+ sign 22.783+/-0.005 χ^2/NDF: 1143355.5/23

All: 22.840+/-0.003 χ^2/NDF: 2501732.2/49

- sign 22.897+/-0.005 χ^2/NDF: 1358056.4/25



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.648+/-74.531 χ^2/NDF:20.9/7

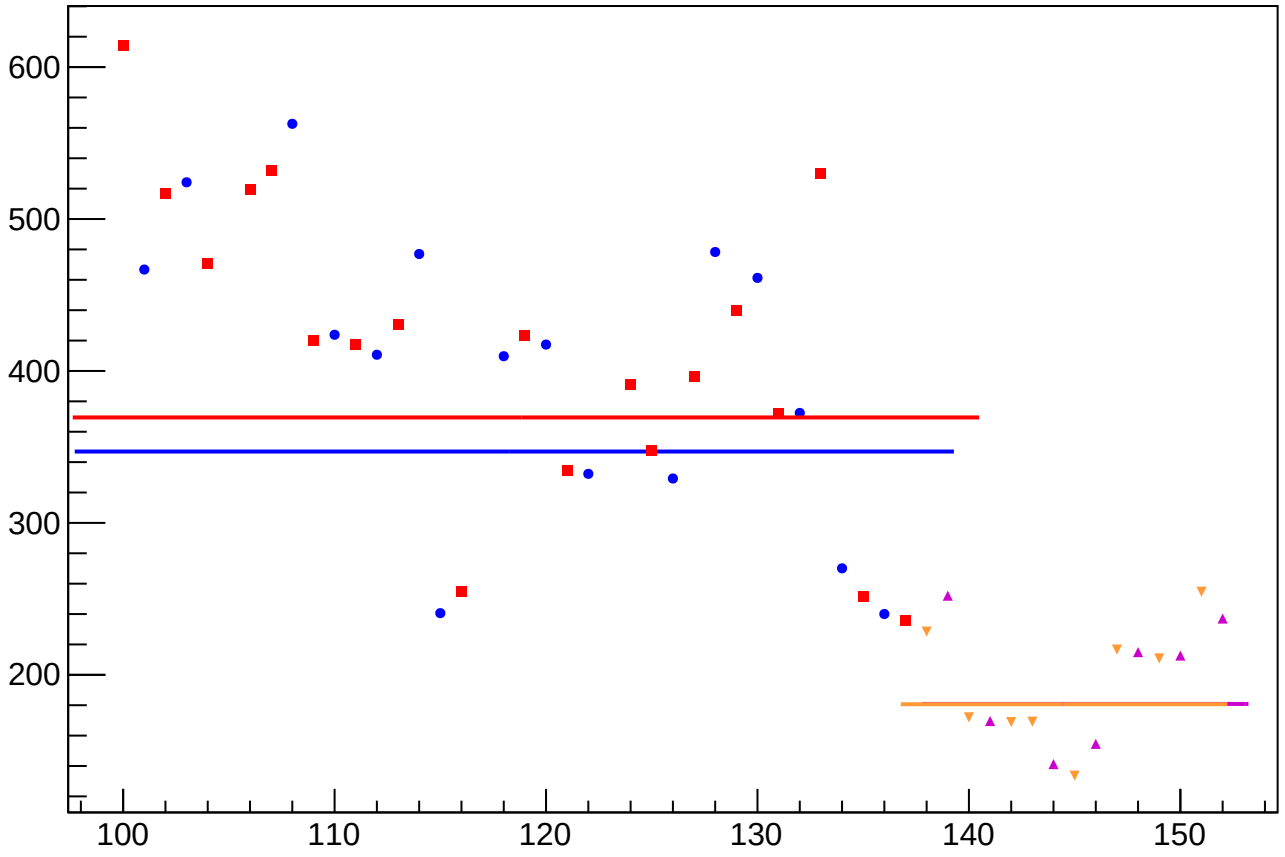
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 47.353+/-74.945 χ^2/NDF:6.1/6

+ sign 234.816+/-65.233 χ^2/NDF: 40.6/23

All: 167.763+/-46.420 χ^2/NDF: 63.0/49

- sign 98.979+/-66.070 χ^2/NDF: 20.3/25



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 180.656+/-0.053 χ^2/NDF:499342.0/7

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

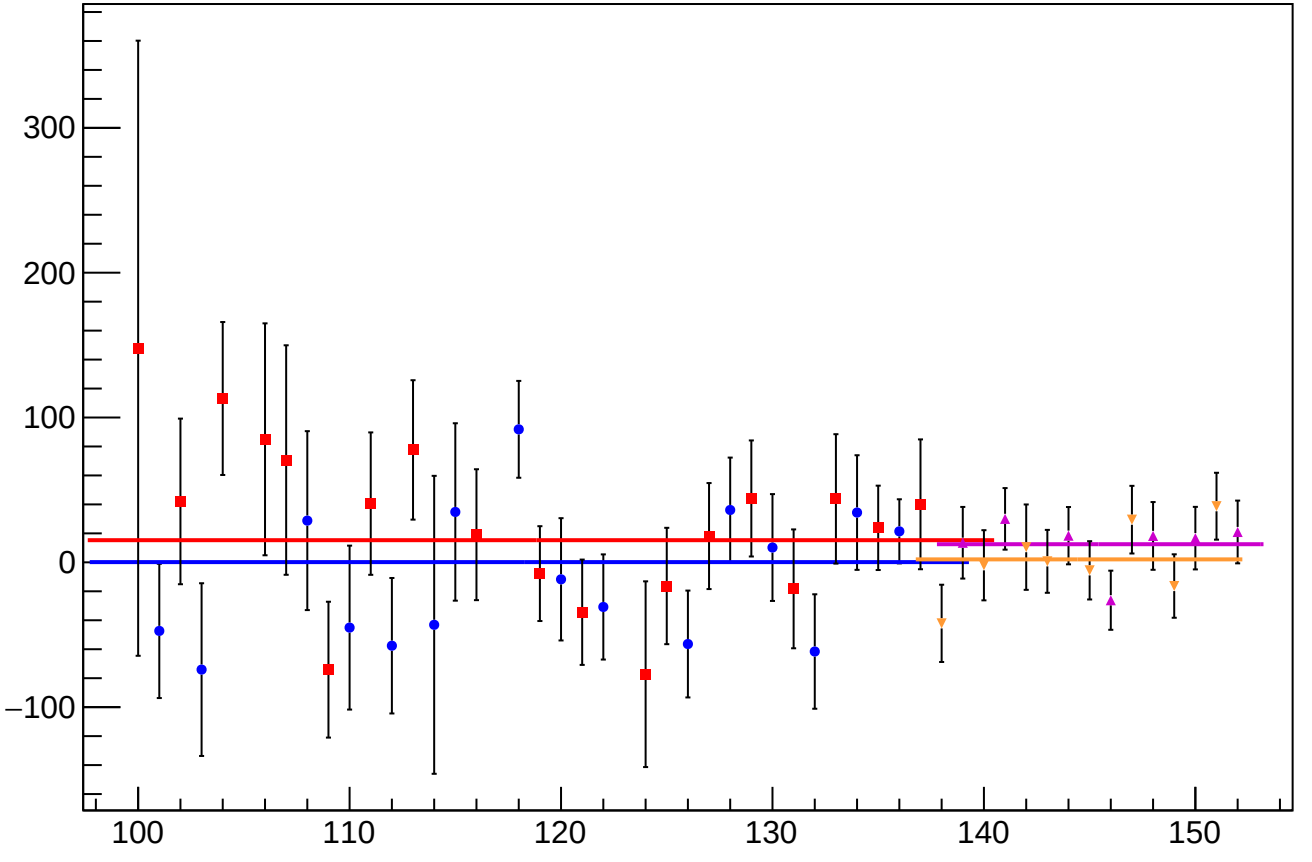
Left In: 180.845+/-0.053 χ^2/NDF:510662.7/6

+ sign 219.563+/-0.046 χ^2/NDF: 3887131.9/23

All: 221.192+/-0.033 χ^2/NDF: 8140352.8/49

- sign 222.863+/-0.047 χ^2/NDF: 4250694.4/25

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.037+/-8.264 χ^2/NDF:7.6/7

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

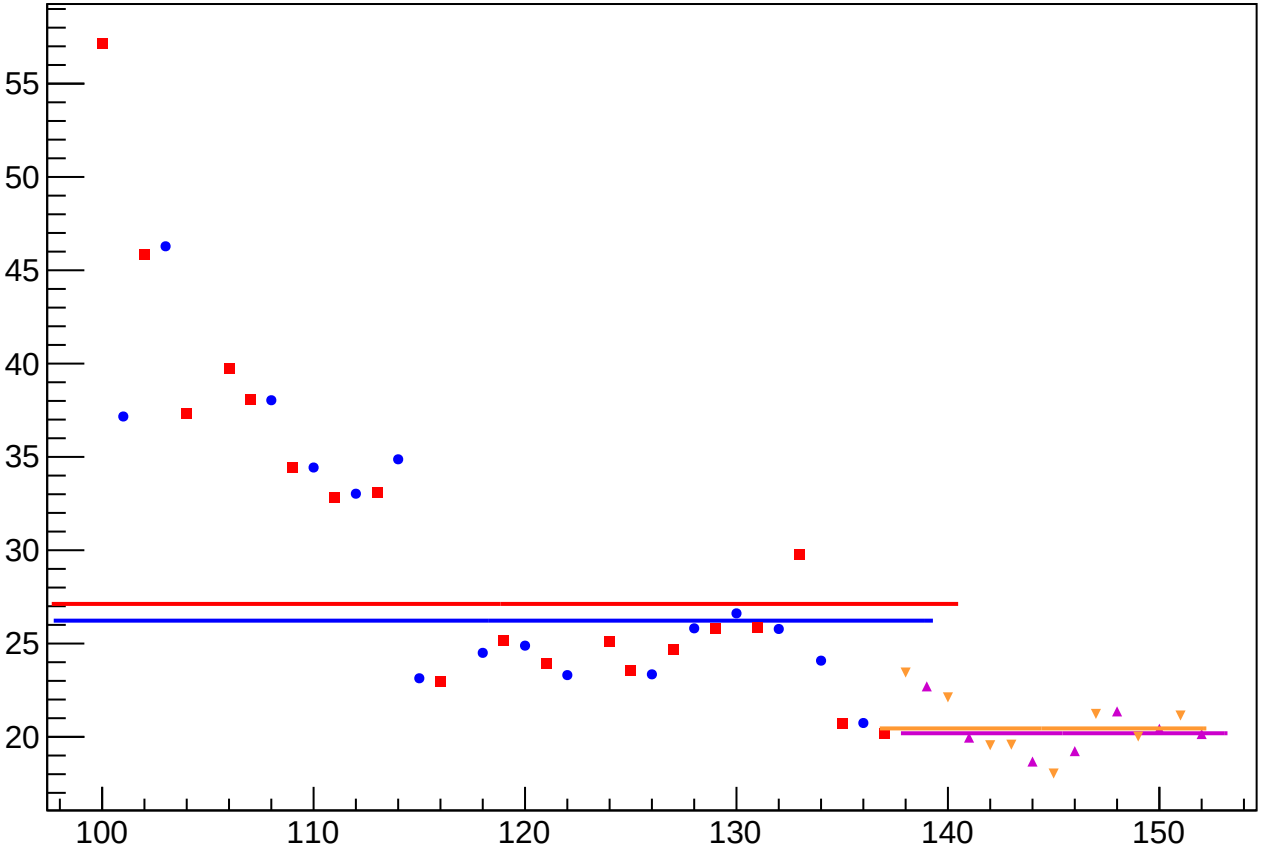
Left In: 12.515+/-8.191 χ^2/NDF:4.6/6

+ sign 1.279+/-6.383 χ^2/NDF: 29.0/23

All: 7.417+/-4.521 χ^2/NDF: 53.4/49

- sign 13.595+/-6.403 χ^2/NDF: 22.6/25

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.453+/-0.006 χ^2/NDF:73353.4/7

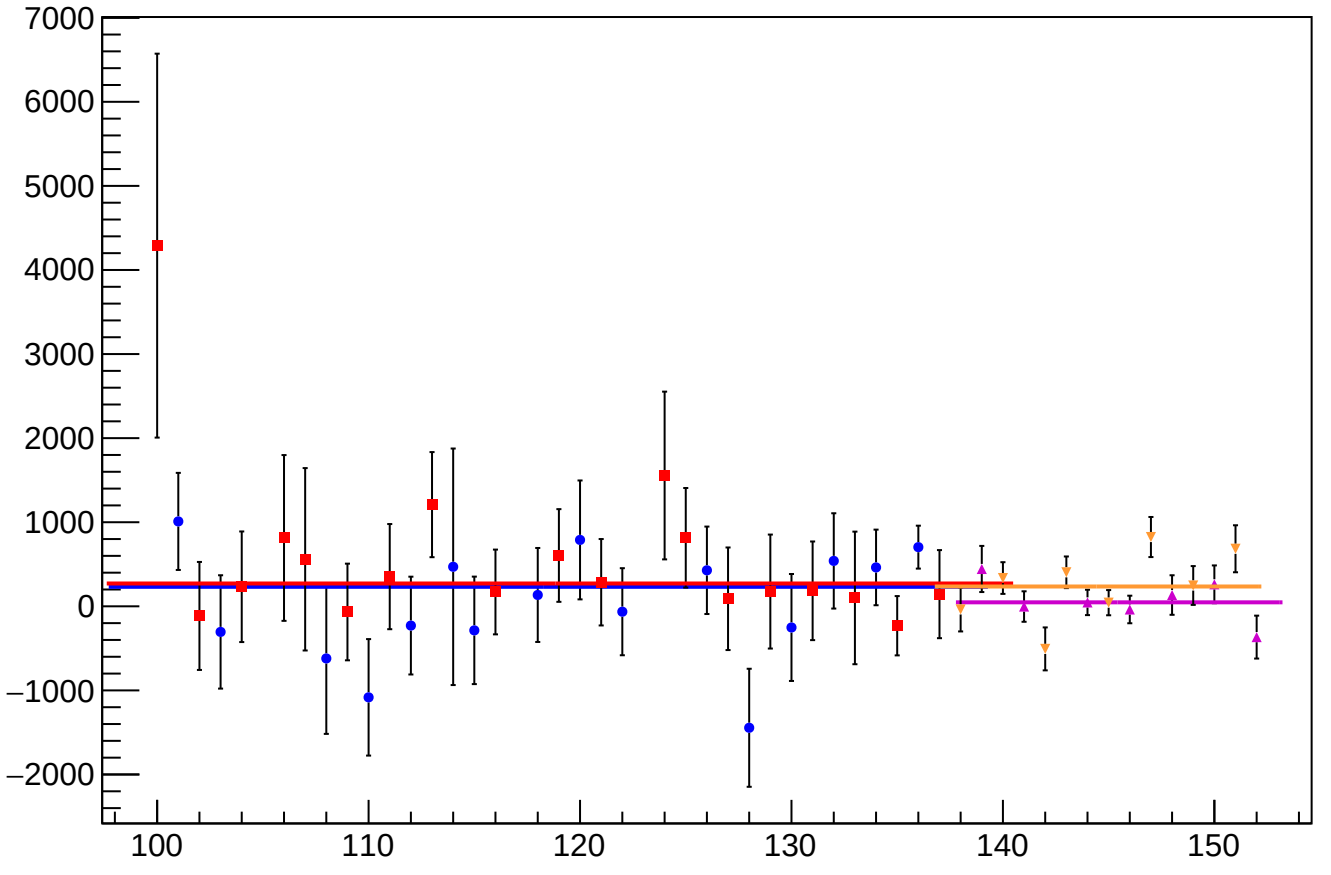
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.193+/-0.006 χ^2/NDF:42287.2/6

+ sign 22.783+/-0.005 χ^2/NDF: 1143358.9/23

All: 22.835+/-0.003 χ^2/NDF: 2488302.5/49

- sign 22.888+/-0.005 χ^2/NDF: 1344672.1/25



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.645+/-74.530 χ^2/NDF:20.9/7

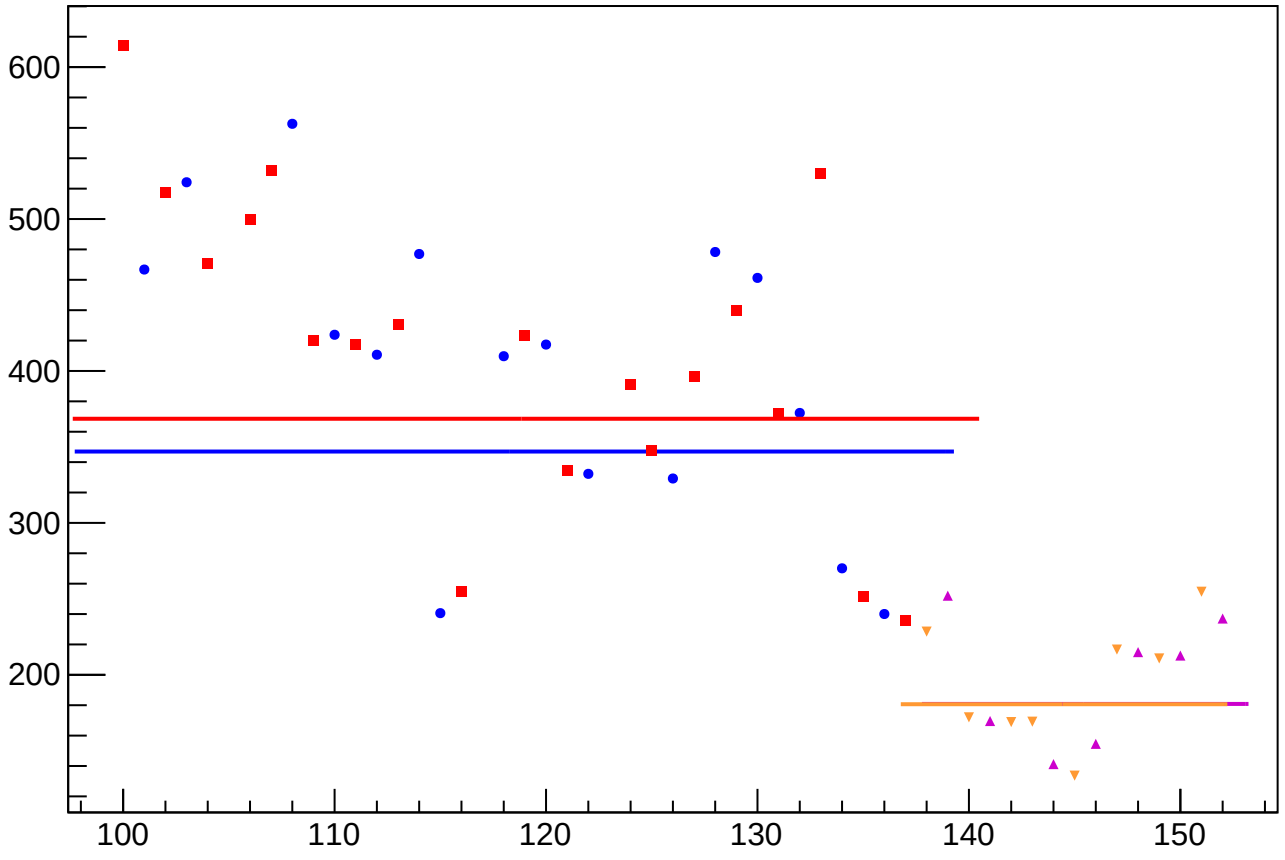
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 47.355+/-74.945 χ^2/NDF:6.1/6

+ sign 234.812+/-65.233 χ^2/NDF: 40.6/23

All: 166.887+/-46.428 χ^2/NDF: 62.5/49

- sign 97.160+/-66.093 χ^2/NDF: 19.7/25



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 180.656+/-0.053 χ^2/NDF:499344.4/7

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

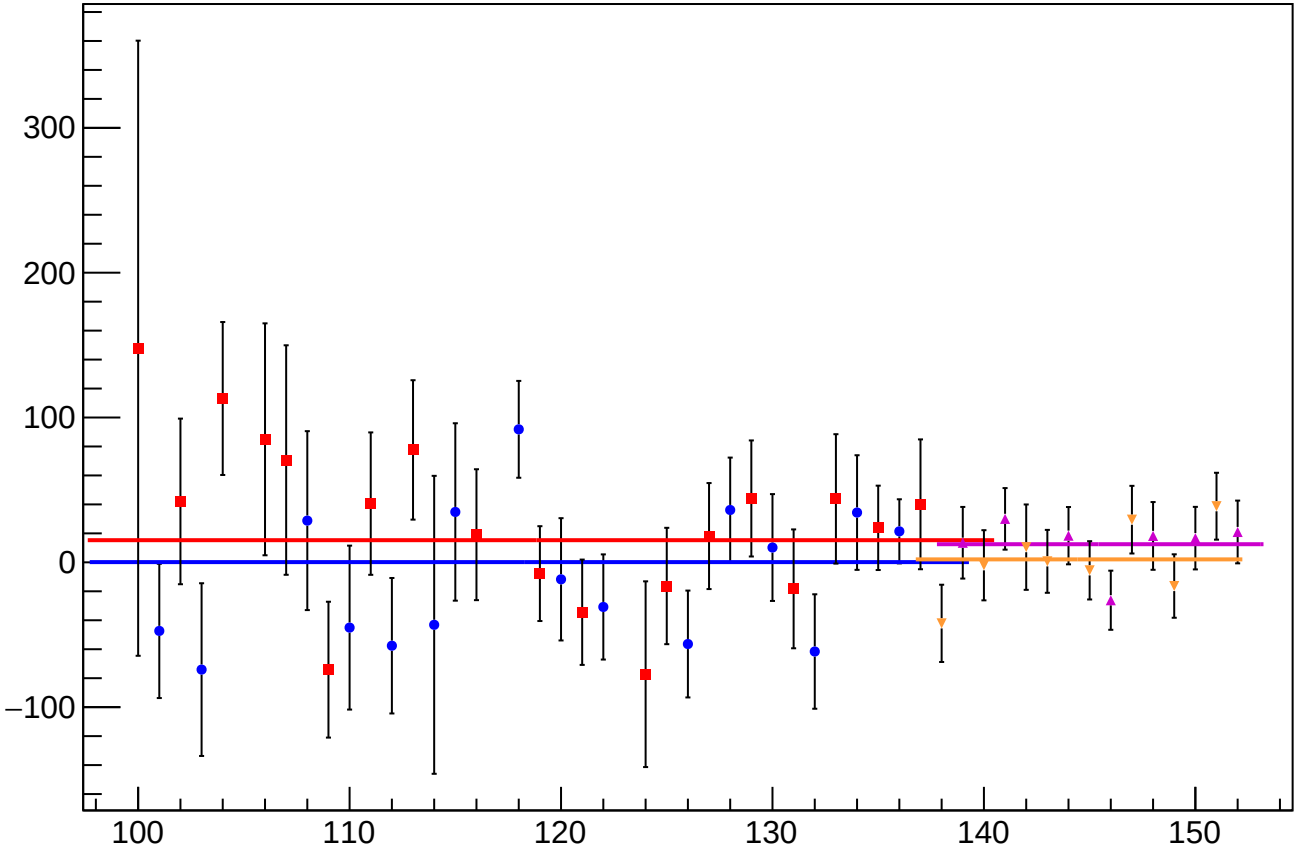
Left In: 180.845+/-0.053 χ^2/NDF:510661.6/6

+ sign 219.562+/-0.046 χ^2/NDF: 3887165.5/23

All: 221.046+/-0.033 χ^2/NDF: 8088691.2/49

- sign 222.569+/-0.047 χ^2/NDF: 4199429.7/25

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.037+/-8.264 χ^2/NDF:7.6/7

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

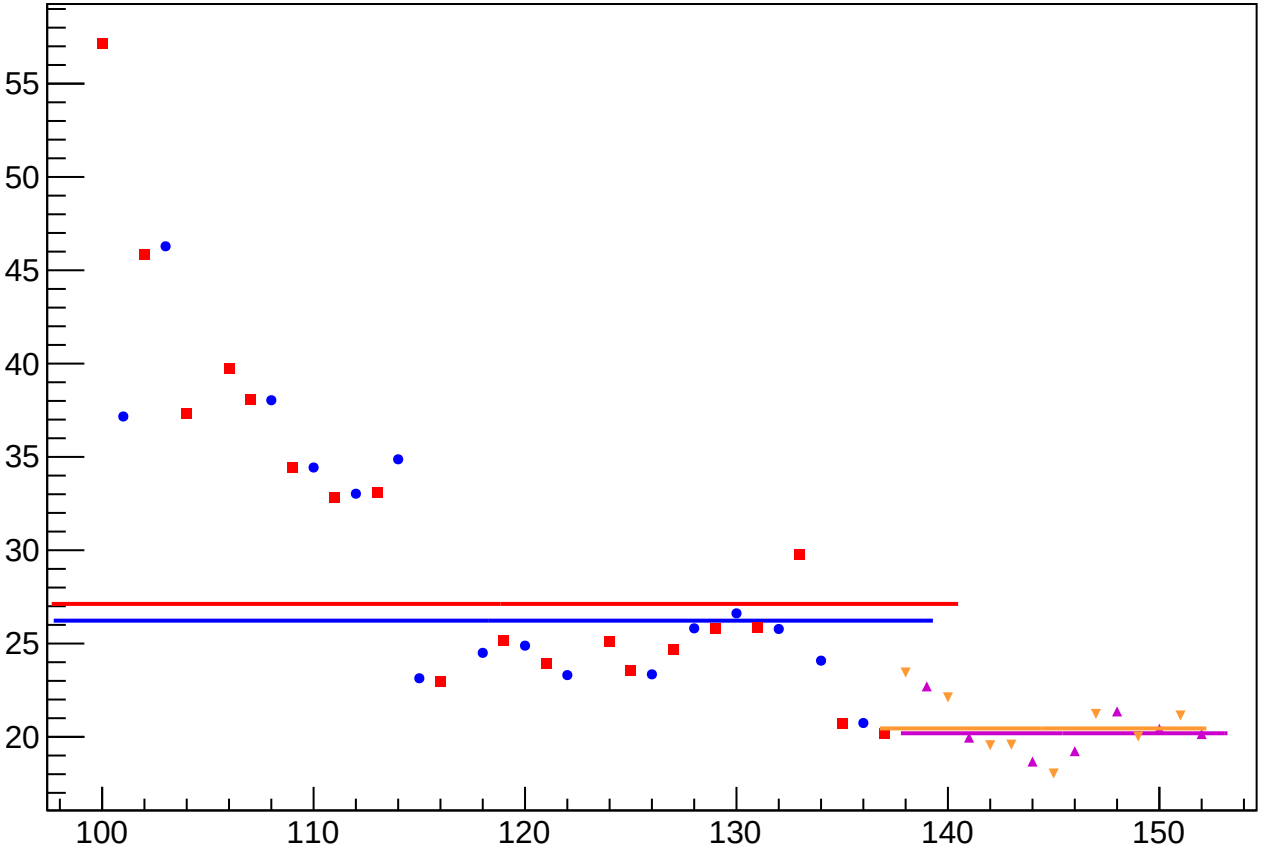
Left In: 12.515+/-8.191 χ^2/NDF:4.6/6

+ sign 1.279+/-6.383 χ^2/NDF: 29.0/23

All: 7.417+/-4.521 χ^2/NDF: 53.4/49

- sign 13.595+/-6.403 χ^2/NDF: 22.6/25

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.453+/-0.006 χ^2/NDF:73353.4/7

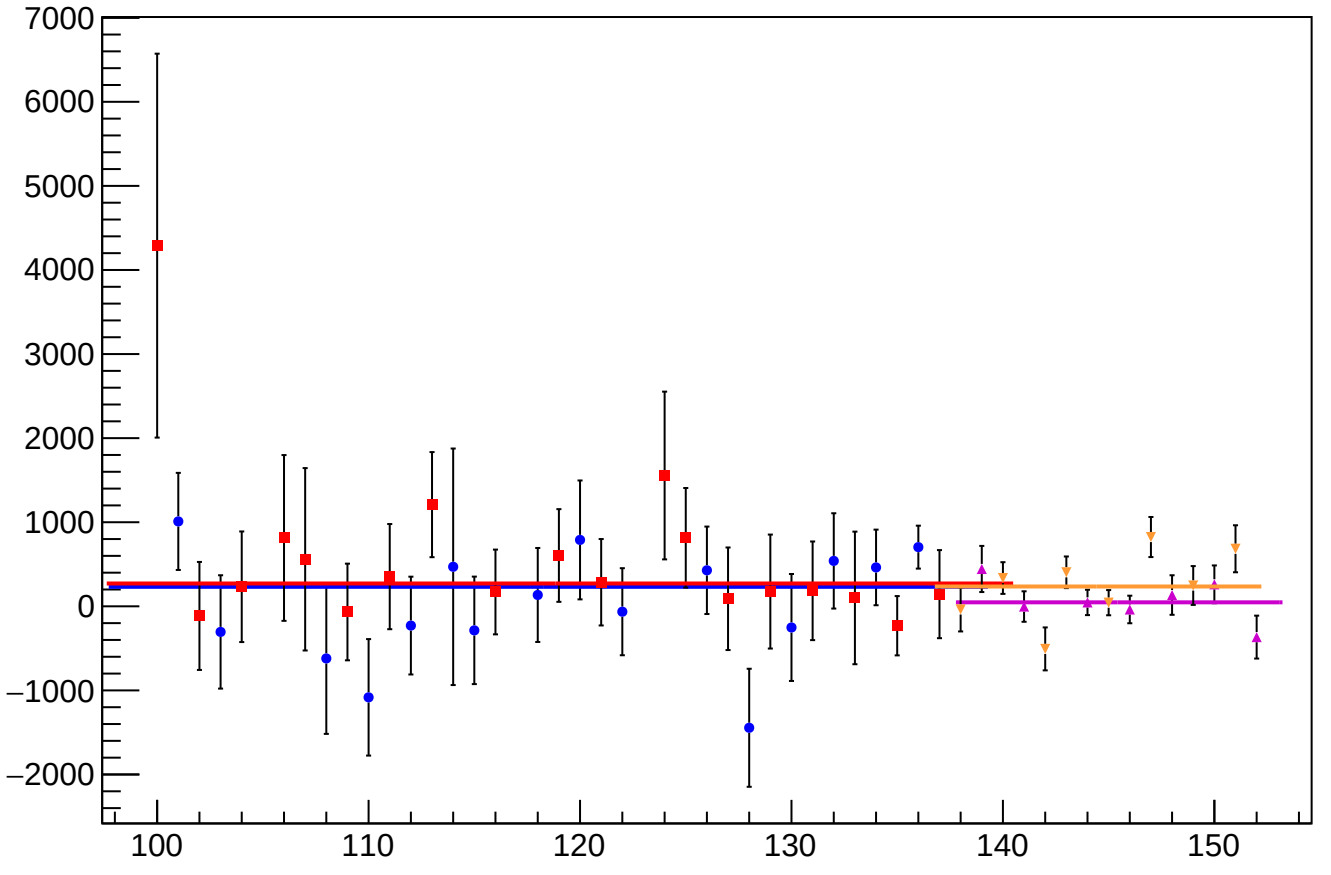
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.193+/-0.006 χ^2/NDF:42287.2/6

+ sign 22.783+/-0.005 χ^2/NDF: 1143358.9/23

All: 22.835+/-0.003 χ^2/NDF: 2488302.5/49

- sign 22.888+/-0.005 χ^2/NDF: 1344672.1/25



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.645+/-74.530 χ^2/NDF:20.9/7

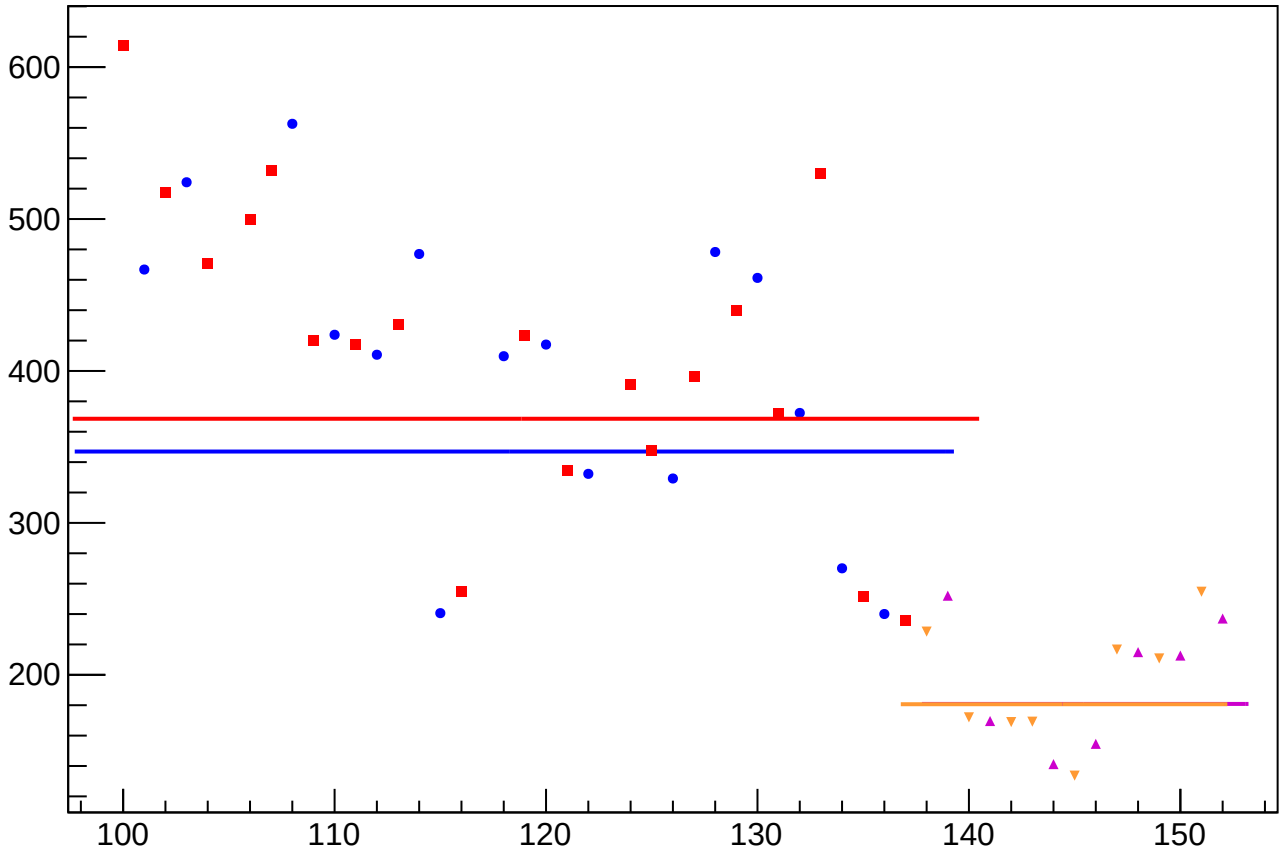
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 47.355+/-74.945 χ^2/NDF:6.1/6

+ sign 234.812+/-65.233 χ^2/NDF: 40.6/23

All: 166.887+/-46.428 χ^2/NDF: 62.5/49

- sign 97.160+/-66.093 χ^2/NDF: 19.7/25



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 180.656+/-0.053 χ^2/NDF:499344.4/7

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

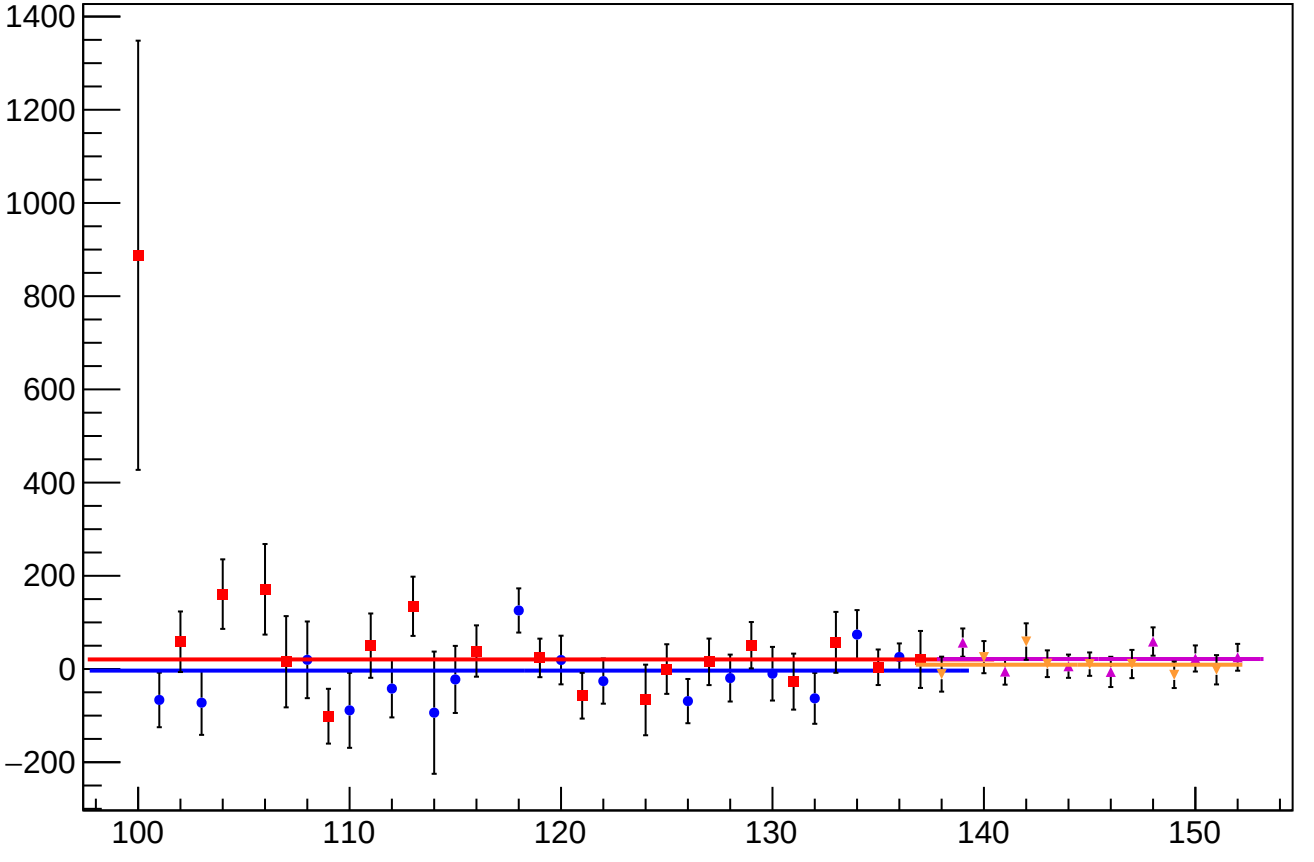
Left In: 180.845+/-0.053 χ^2/NDF:510661.6/6

+ sign 219.562+/-0.046 χ^2/NDF: 3887165.5/23

All: 221.046+/-0.033 χ^2/NDF: 8088691.2/49

- sign 222.569+/-0.047 χ^2/NDF: 4199429.7/25

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 9.205+/-10.942 χ^2/NDF:2.8/7

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

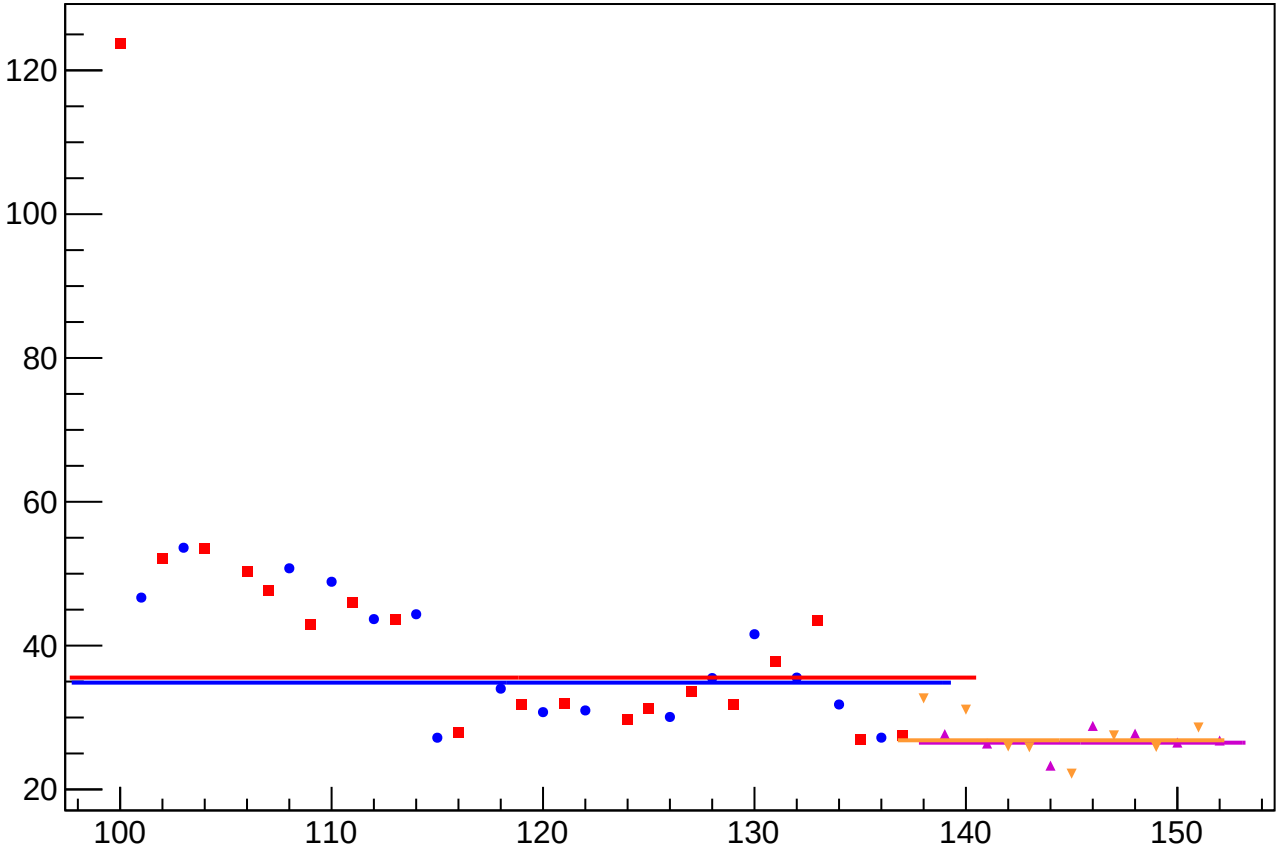
Left In: 21.459+/-10.869 χ^2/NDF:4.9/6

+ sign 4.150+/-8.473 χ^2/NDF: 21.8/23

All: 12.642+/-5.987 χ^2/NDF: 51.9/49

- sign 21.108+/-8.460 χ^2/NDF: 28.1/25

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.832+/-0.008 χ^2/NDF:159921.1/7

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

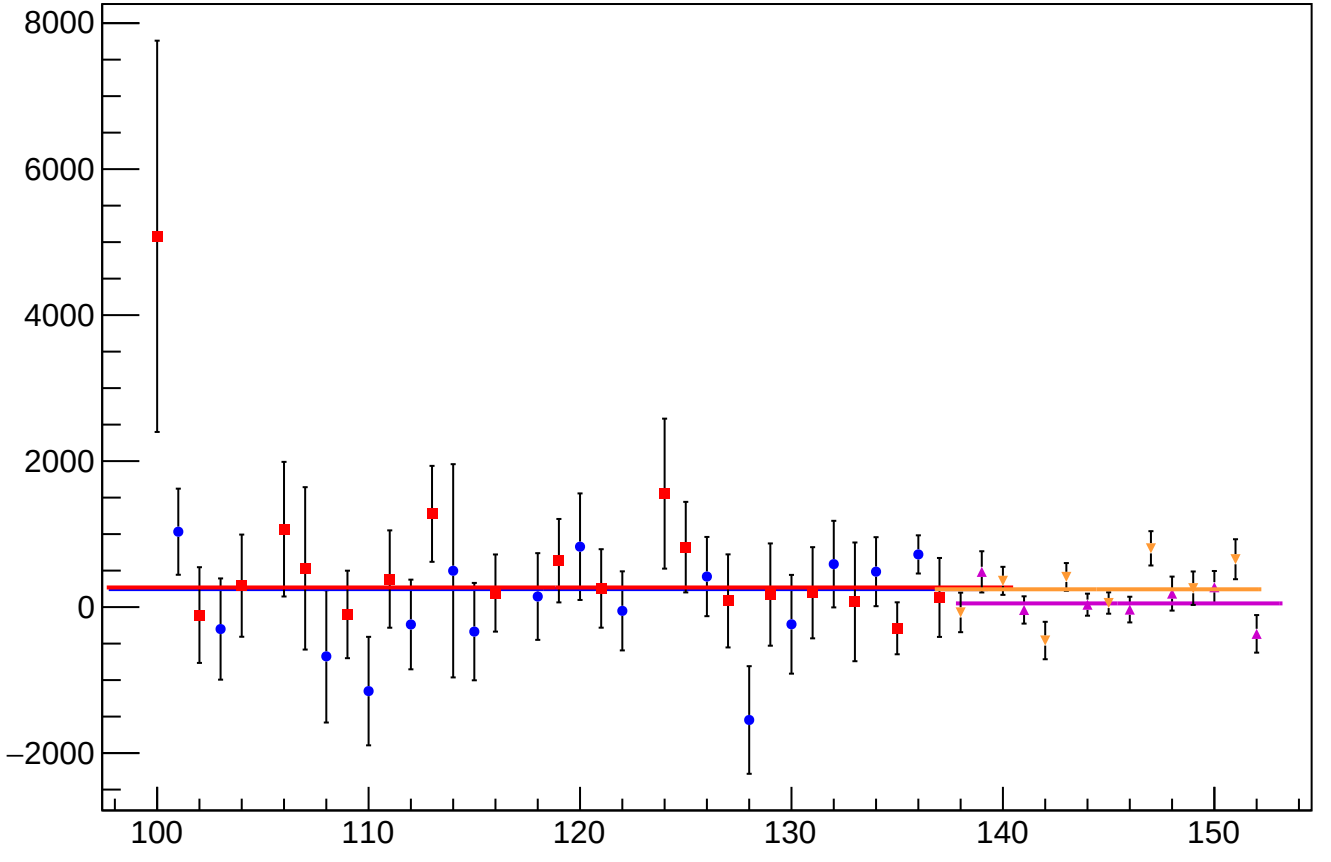
Left In: 26.500+/-0.008 χ^2/NDF:49829.5/6

+ sign 30.042+/-0.006 χ^2/NDF: 1247970.0/23

All: 30.055+/-0.004 χ^2/NDF: 2624535.7/49

- sign 30.069+/-0.006 χ^2/NDF: 1376555.8/25

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 243.907+/-74.362 χ^2/NDF:19.6/7

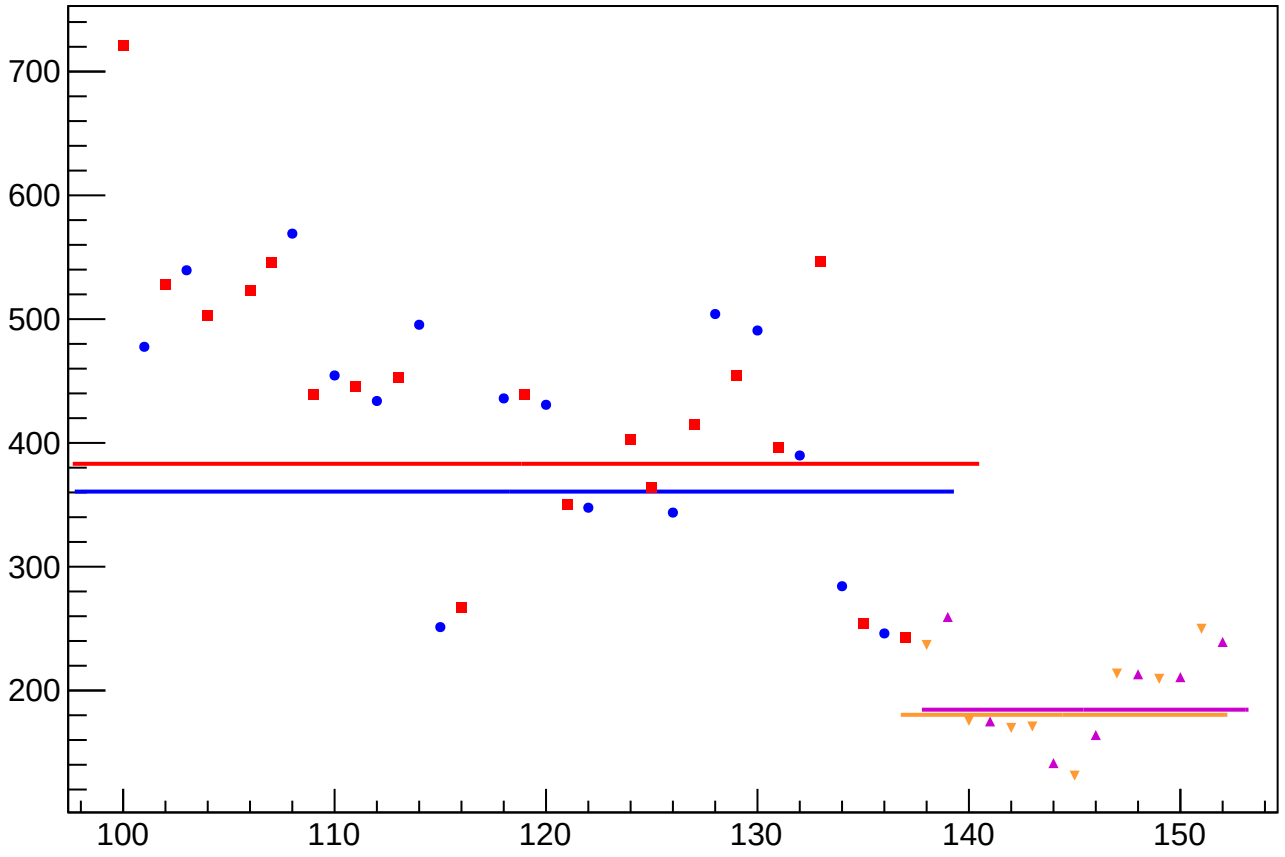
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 50.593+/-76.470 χ^2/NDF:6.8/6

+ sign 244.477+/-65.701 χ^2/NDF: 39.4/23

All: 173.376+/-47.138 χ^2/NDF: 63.0/49

- sign 97.950+/-67.670 χ^2/NDF: 21.2/25



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 180.367+/-0.053 χ^2/NDF:523237.9/7

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

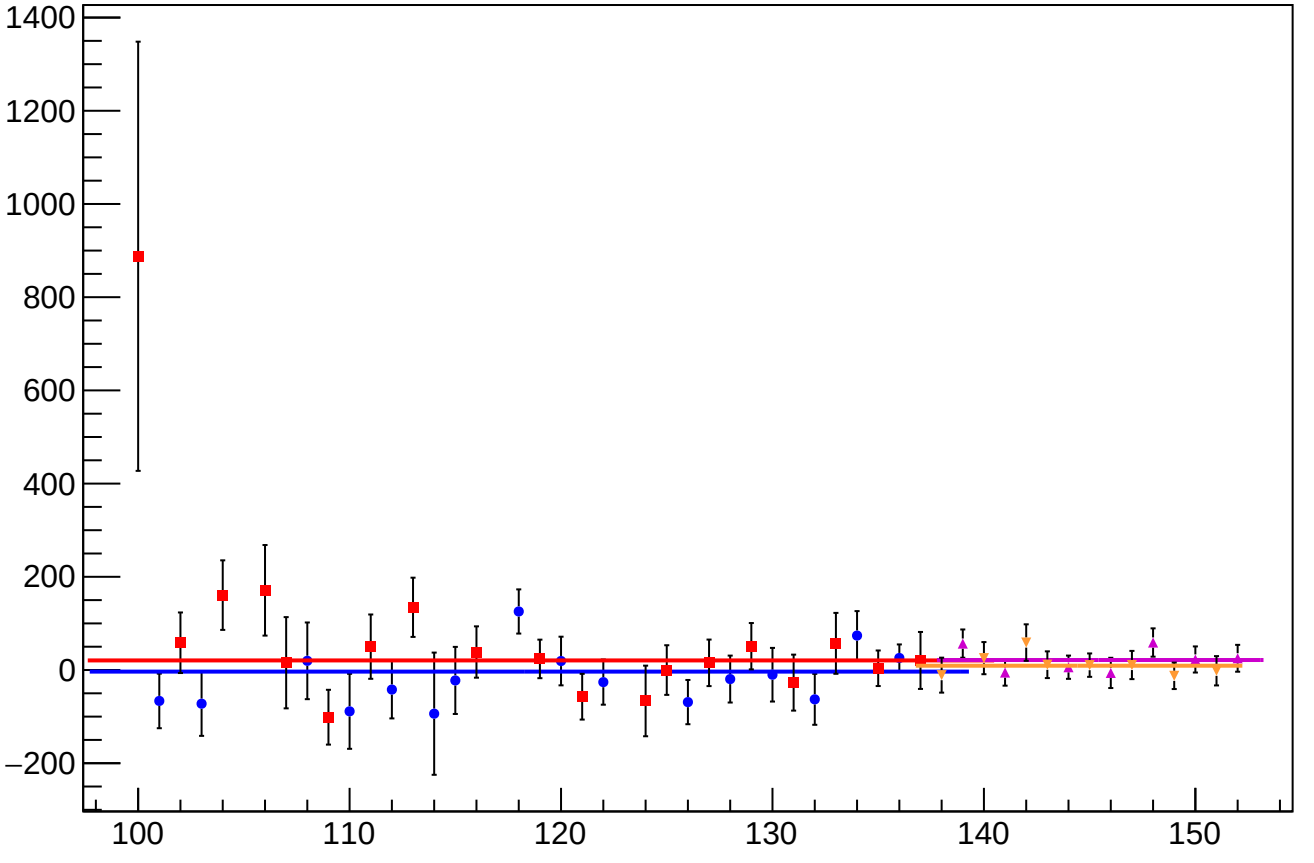
Left In: 184.501+/-0.054 χ^2/NDF:484544.5/6

+ sign 219.925+/-0.046 χ^2/NDF: 4196053.4/23

All: 223.643+/-0.033 χ^2/NDF: 8583950.4/49

- sign 227.587+/-0.048 χ^2/NDF: 4374699.8/25

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 9.205+/-10.942 χ^2/NDF:2.8/7

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

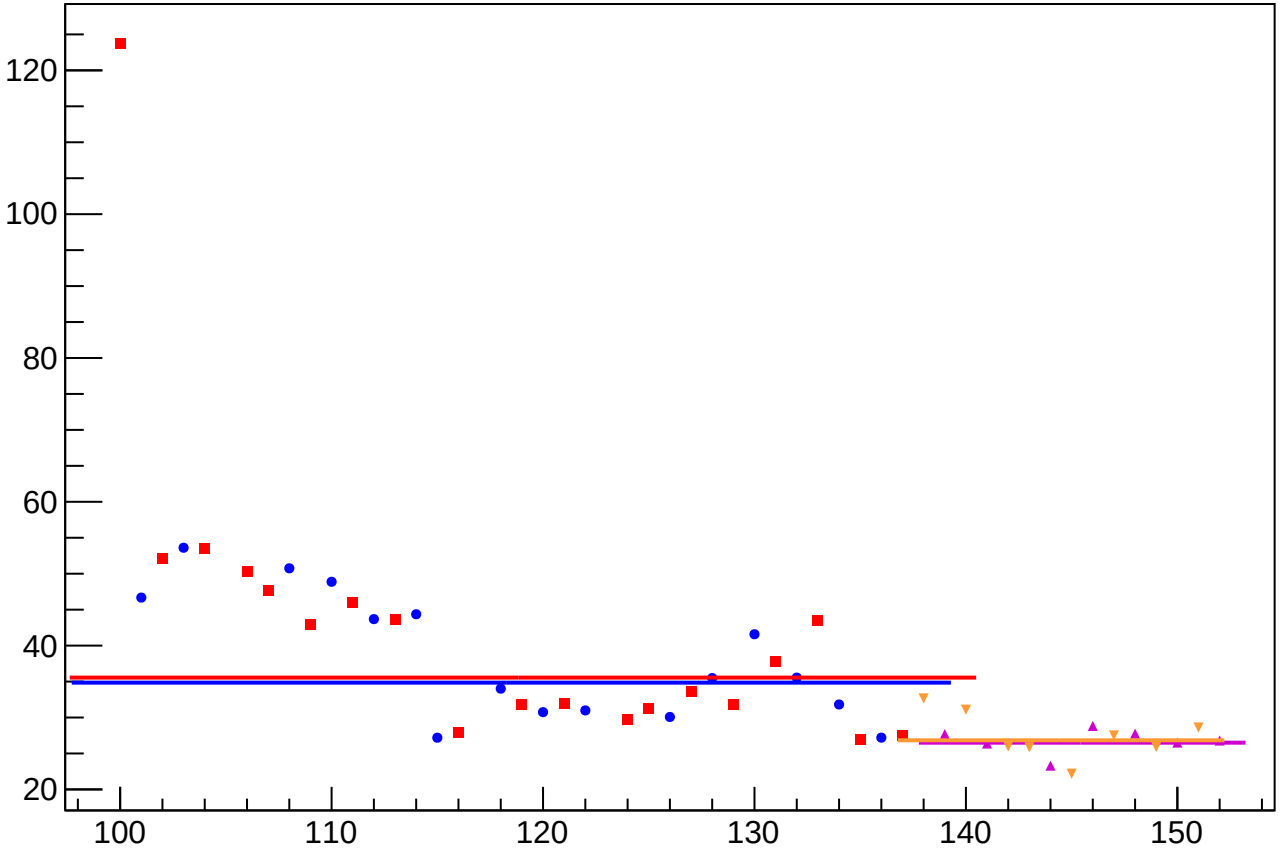
Left In: 21.459+/-10.869 χ^2/NDF:4.9/6

+ sign 4.149+/-8.473 χ^2/NDF: 21.8/23

All: 12.642+/-5.987 χ^2/NDF: 51.9/49

- sign 21.108+/-8.460 χ^2/NDF: 28.1/25

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.832+/-0.008 χ^2/NDF:159905.2/7

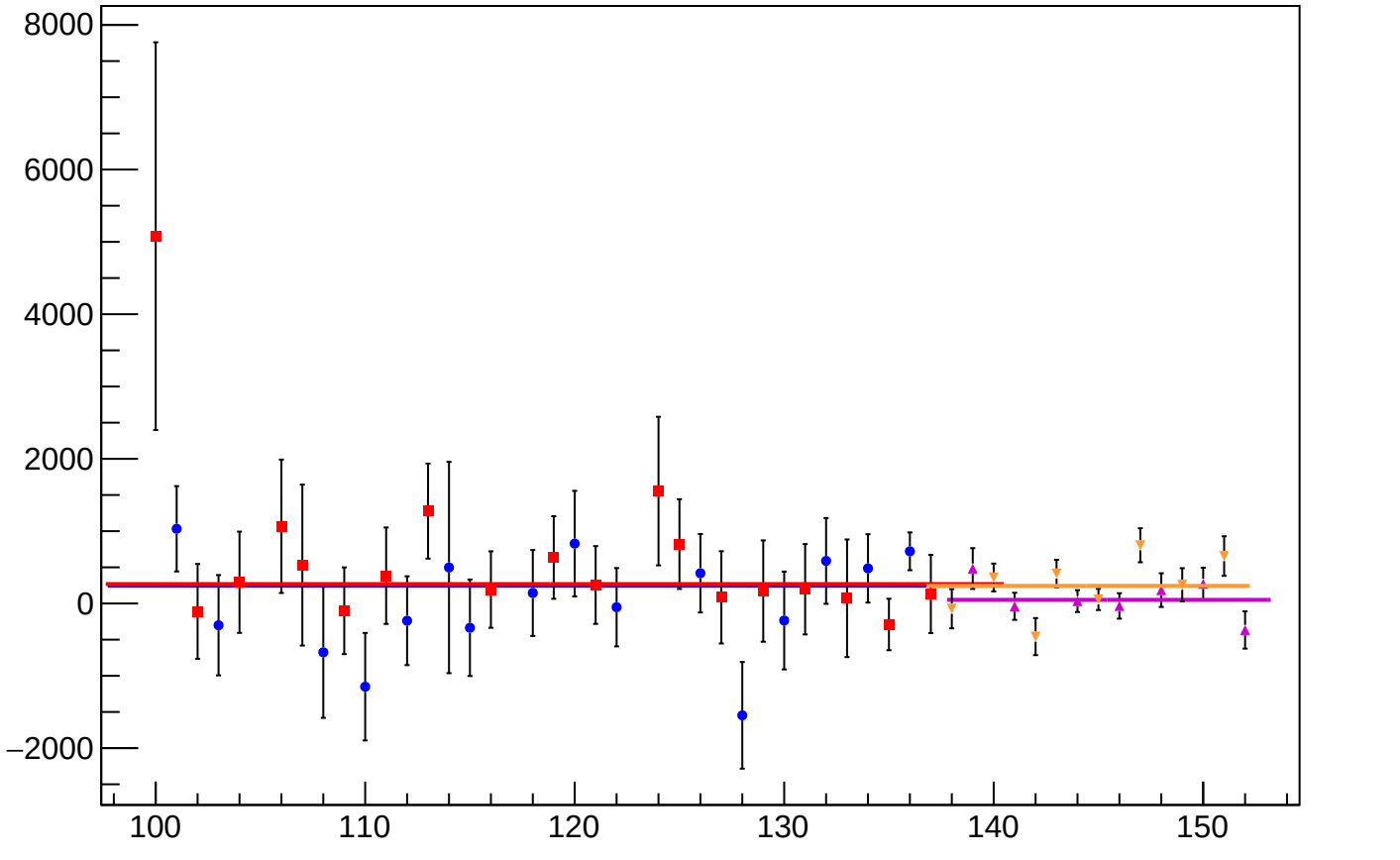
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.500+/-0.008 χ^2/NDF:49825.6/6

+ sign 30.042+/-0.006 χ^2/NDF: 1247851.2/23

All: 30.055+/-0.004 χ^2/NDF: 2624338.1/49

- sign 30.069+/-0.006 χ^2/NDF: 1376477.0/25



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 243.906+/-74.362 χ^2/NDF:19.6/7

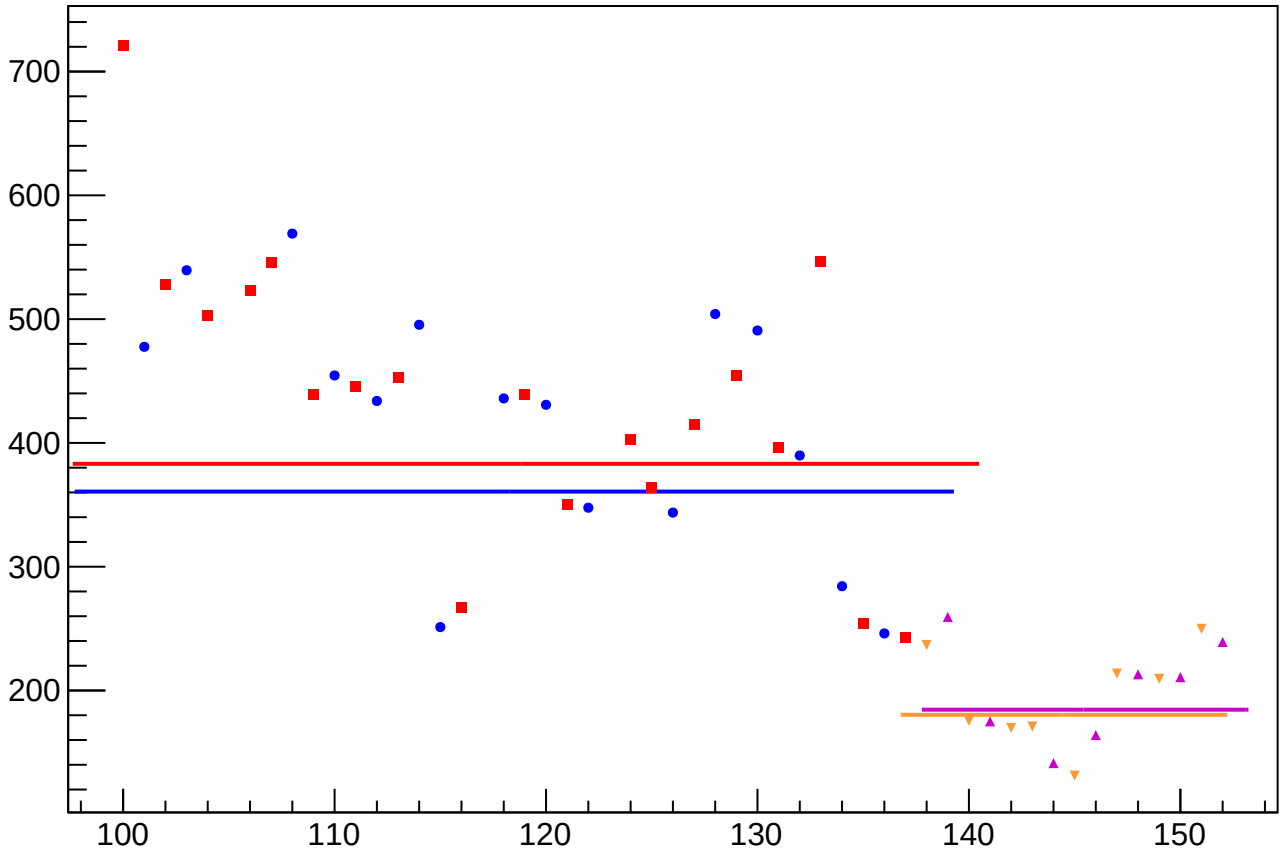
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 50.593+/-76.470 χ^2/NDF:6.8/6

+ sign 244.476+/-65.701 χ^2/NDF: 39.4/23

All: 173.376+/-47.138 χ^2/NDF: 63.0/49

- sign 97.950+/-67.670 χ^2/NDF: 21.2/25



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 180.366+/-0.053 χ^2/NDF:523246.2/7

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

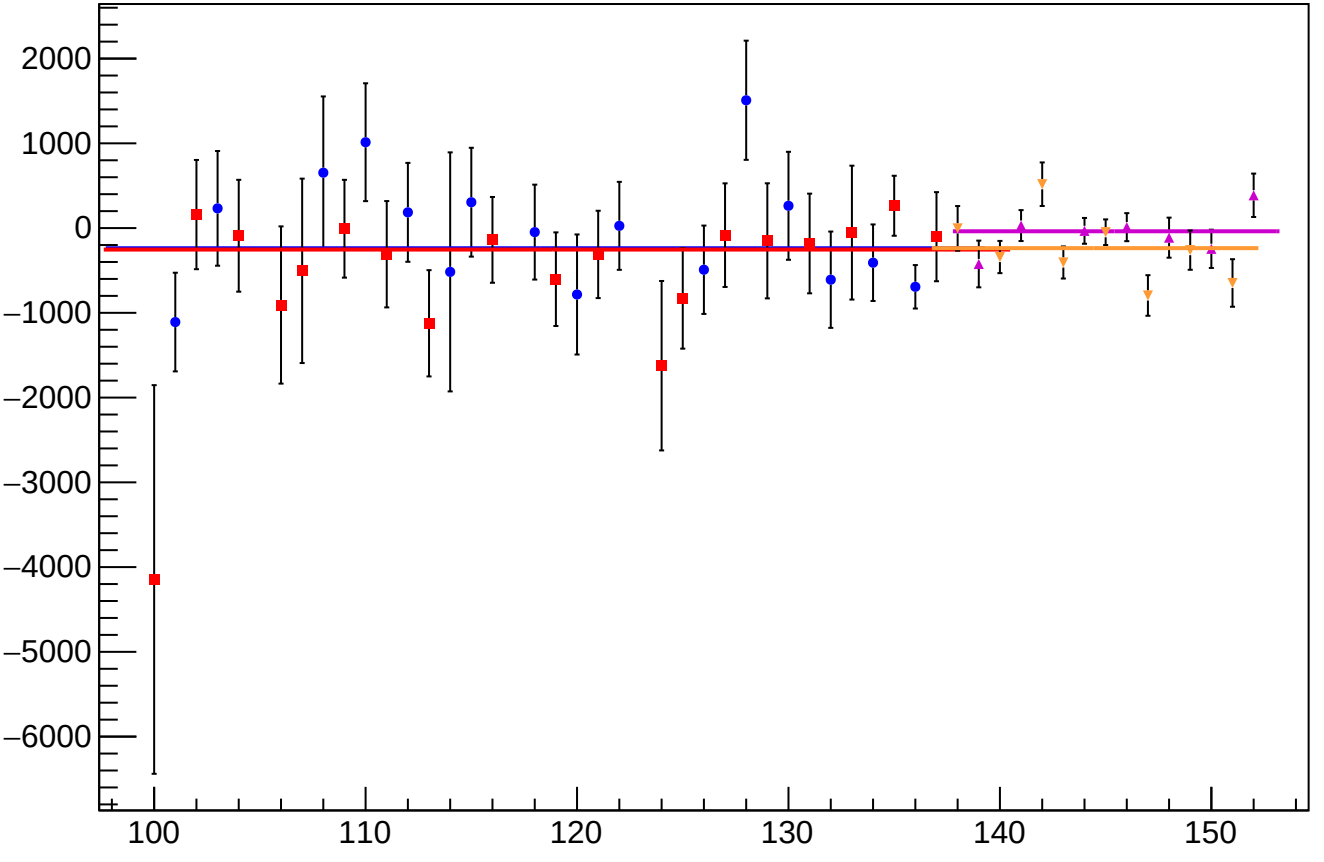
Left In: 184.501+/-0.054 χ^2/NDF:484544.2/6

+ sign 219.925+/-0.046 χ^2/NDF: 4196062.5/23

All: 223.642+/-0.033 χ^2/NDF: 8583955.3/49

- sign 227.586+/-0.048 χ^2/NDF: 4374694.5/25

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -236.721+/-75.044 χ^2/NDF:19.6/7

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

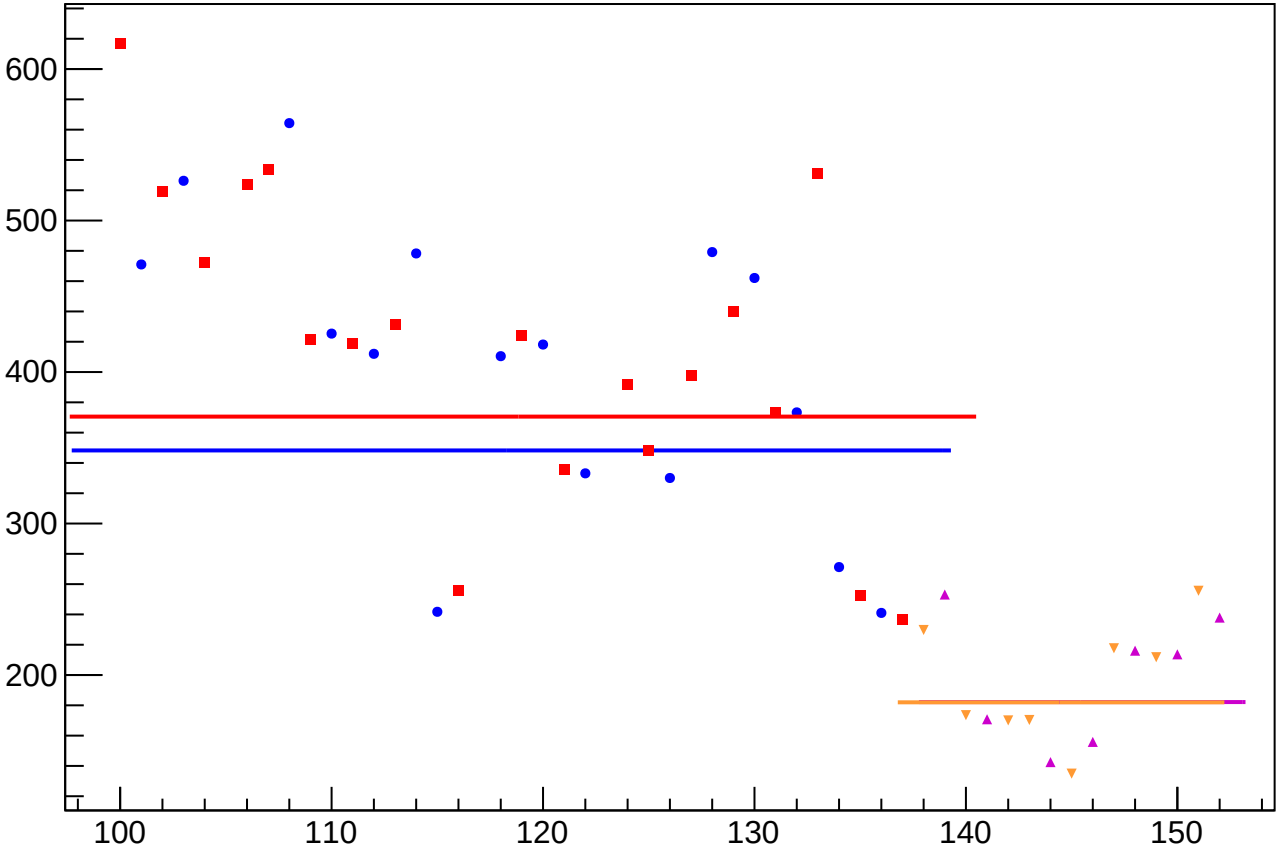
Left In: -37.735+/-75.453 χ^2/NDF:5.9/6

+ sign -237.032+/-65.631 χ^2/NDF: 39.6/23

All: -162.502+/-46.700 χ^2/NDF: 61.6/49

- sign -86.066+/-66.465 χ^2/NDF: 19.4/25

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 181.983+/-0.053 χ^2/NDF:490638.2/7

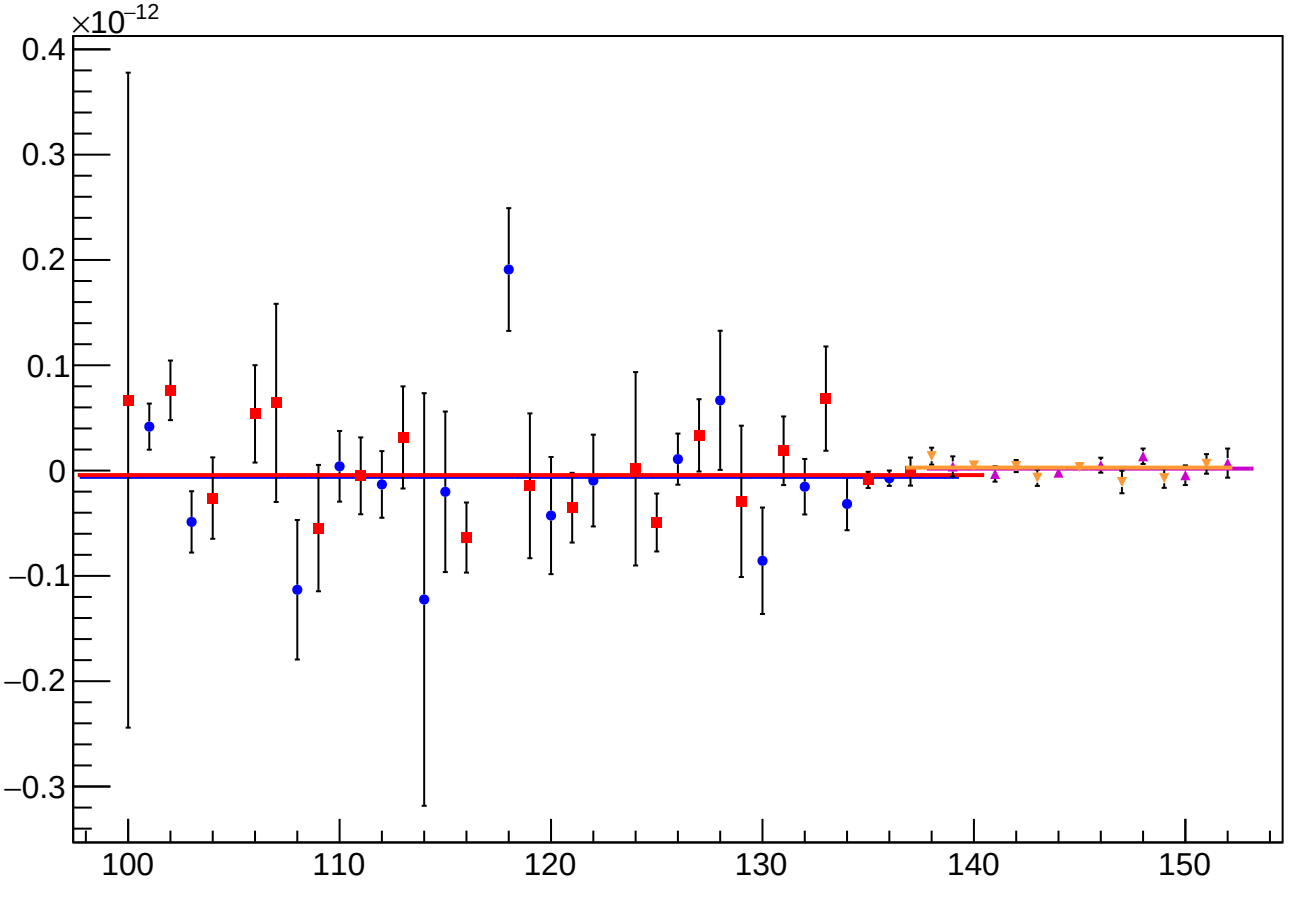
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 182.154+/-0.053 χ^2/NDF:501396.7/6

+ sign 221.079+/-0.046 χ^2/NDF: 3855965.1/23

All: 222.705+/-0.033 χ^2/NDF: 8072519.7/49

- sign 224.374+/-0.047 χ^2/NDF: 4214065.4/25



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/7

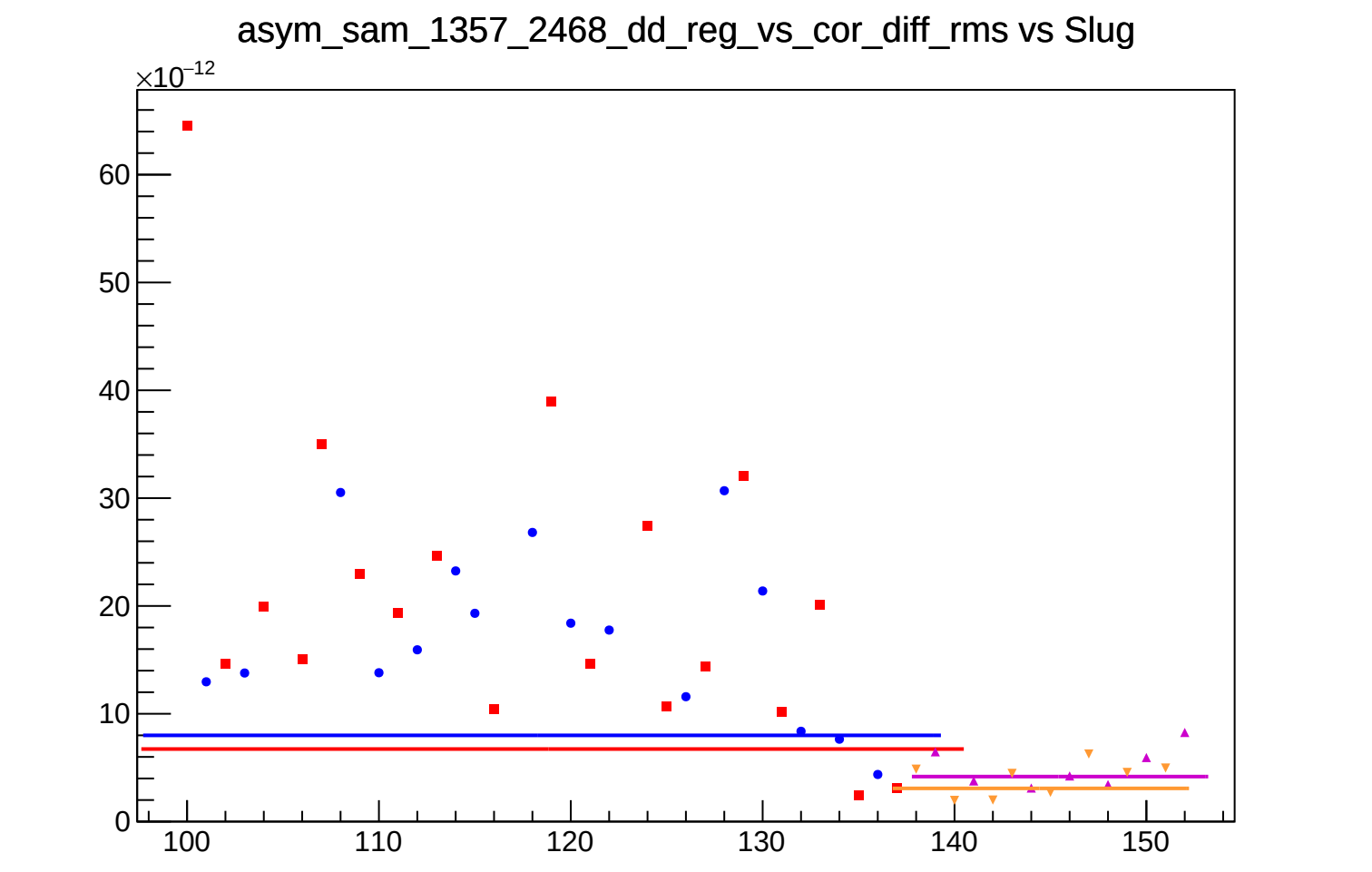
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/23

All: 0.000+/-0.000 χ^2/NDF: 64.7/49

- sign 0.000+/-0.000 χ^2/NDF: 28.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:711048.3/7

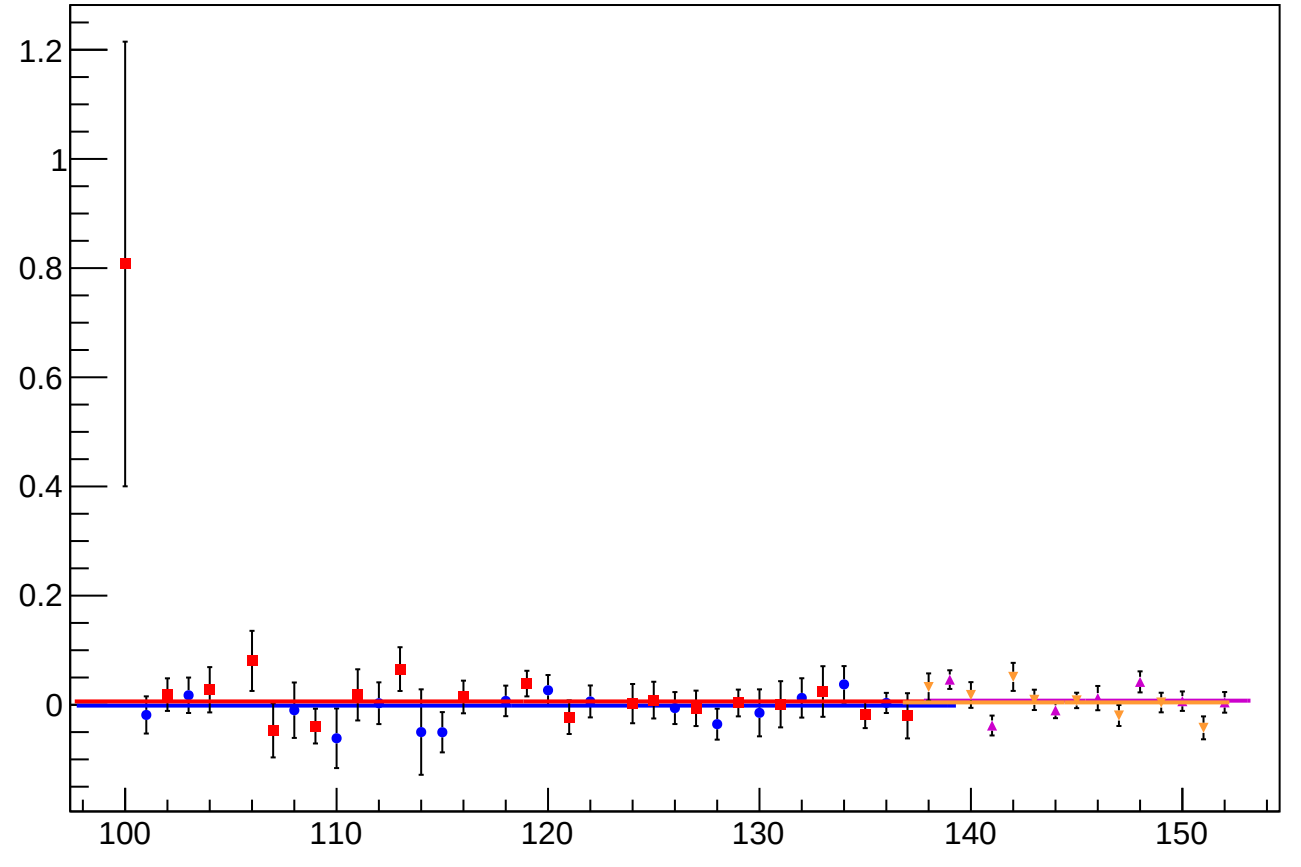
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:487302.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 3957679.8/23

All: 0.000+/-0.000 χ^2/NDF: 8337425.3/49

- sign 0.000+/-0.000 χ^2/NDF: 4204521.9/25



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.007 χ^2/NDF:11.5/7

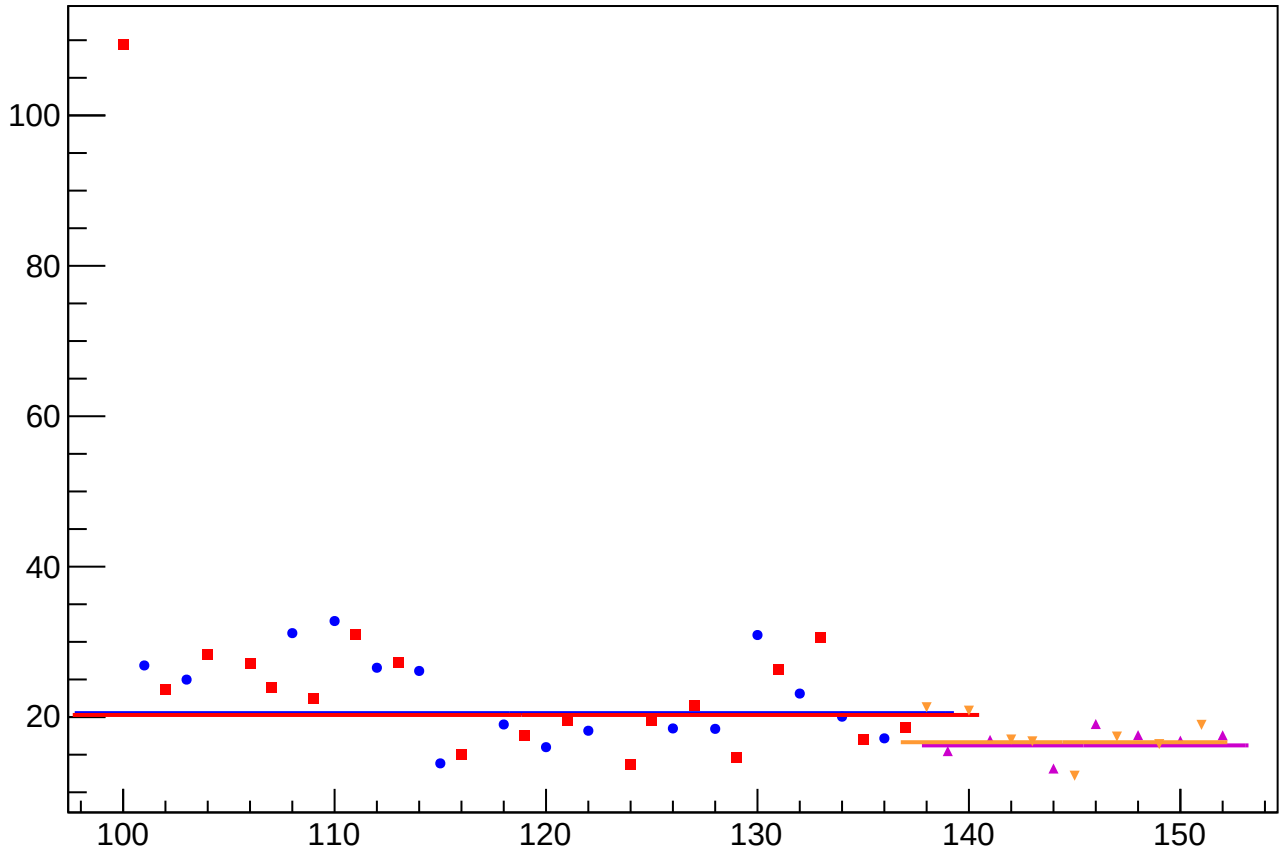
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.007 χ^2/NDF:16.1/6

+ sign 0.002+/-0.005 χ^2/NDF: 20.1/23

All: 0.005+/-0.004 χ^2/NDF: 52.9/49

- sign 0.007+/-0.005 χ^2/NDF: 32.4/25



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.657+/-0.005 χ^2/NDF:359358.6/7

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

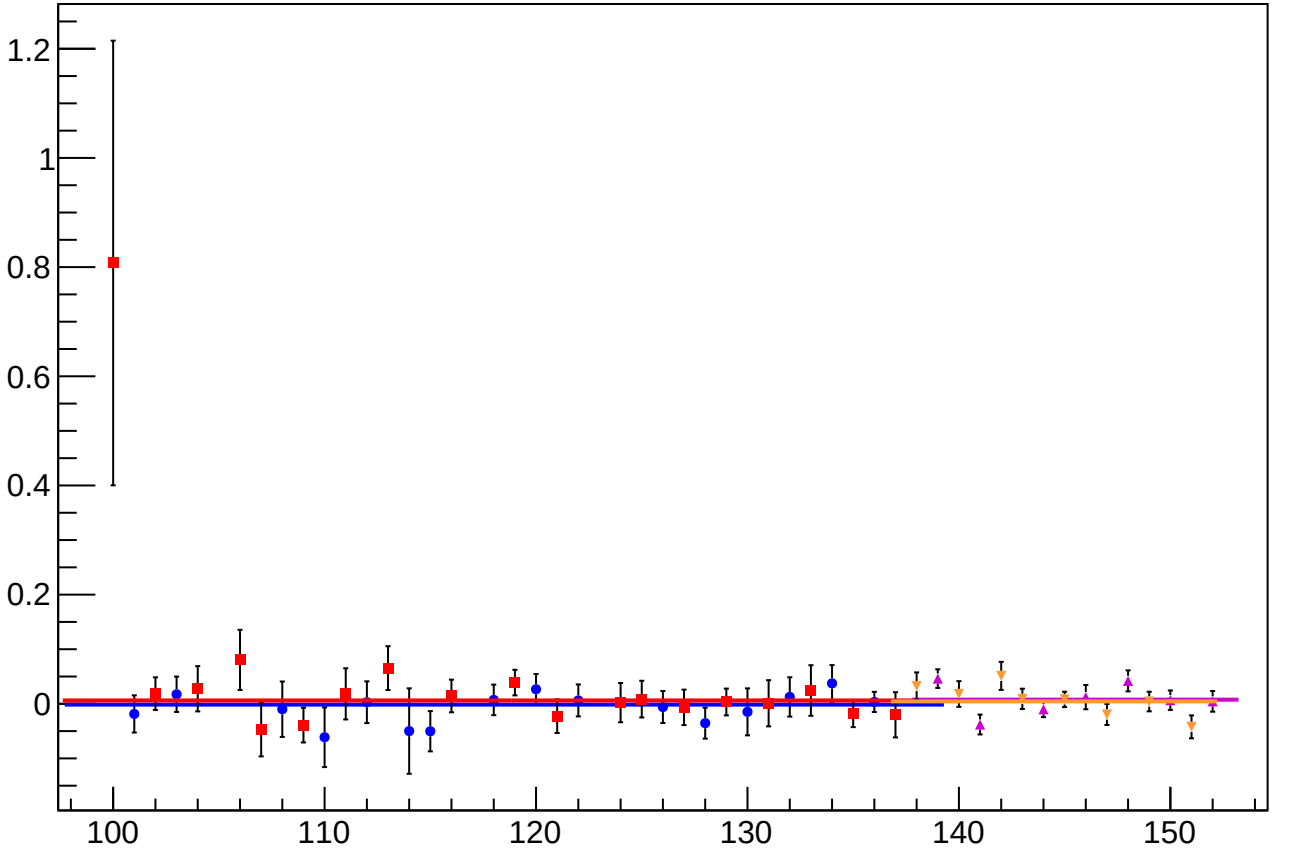
Left In: 16.234+/-0.005 χ^2/NDF:153429.3/6

+ sign 18.296+/-0.004 χ^2/NDF: 1330144.1/23

All: 18.118+/-0.003 χ^2/NDF: 2656293.1/49

- sign 17.948+/-0.004 χ^2/NDF: 1321657.6/25

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.007 χ^2/NDF:11.5/7

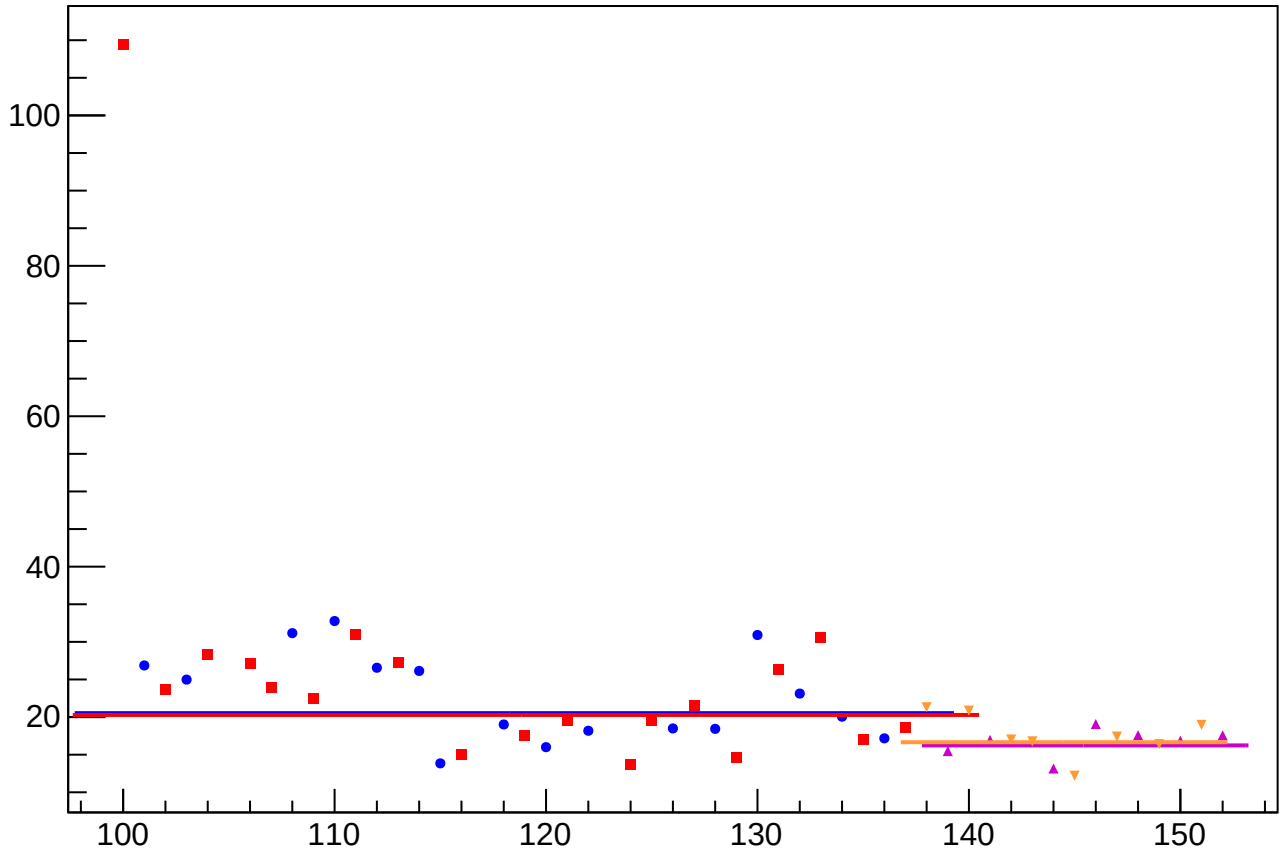
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.007 χ^2/NDF:16.1/6

+ sign 0.002+/-0.005 χ^2/NDF: 20.1/23

All: 0.005+/-0.004 χ^2/NDF: 52.9/49

- sign 0.007+/-0.005 χ^2/NDF: 32.4/25



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.657+/-0.005 χ^2/NDF:359358.6/7

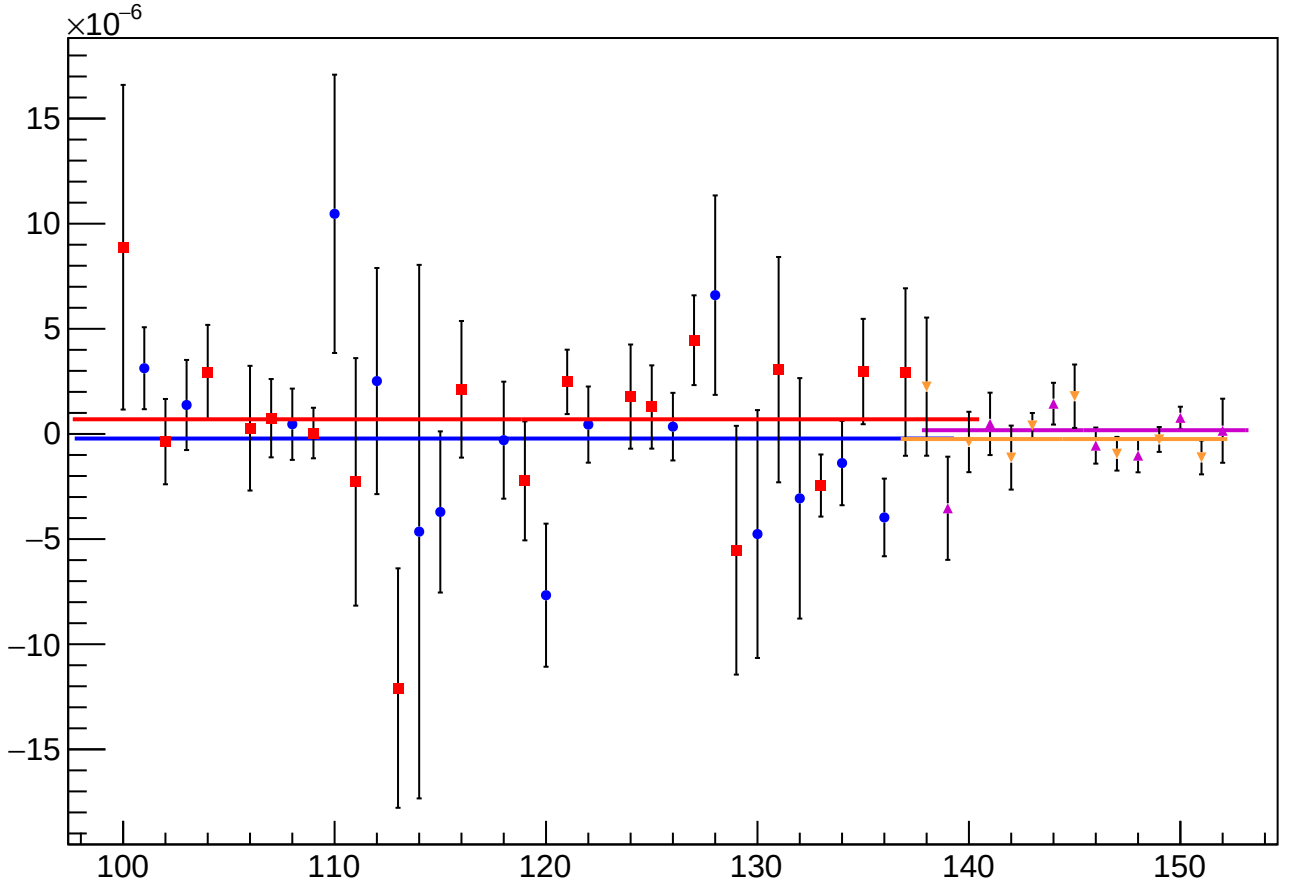
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.234+/-0.005 χ^2/NDF:153429.3/6

+ sign 18.296+/-0.004 χ^2/NDF: 1330144.1/23

All: 18.118+/-0.003 χ^2/NDF: 2656293.1/49

- sign 17.948+/-0.004 χ^2/NDF: 1321657.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/7

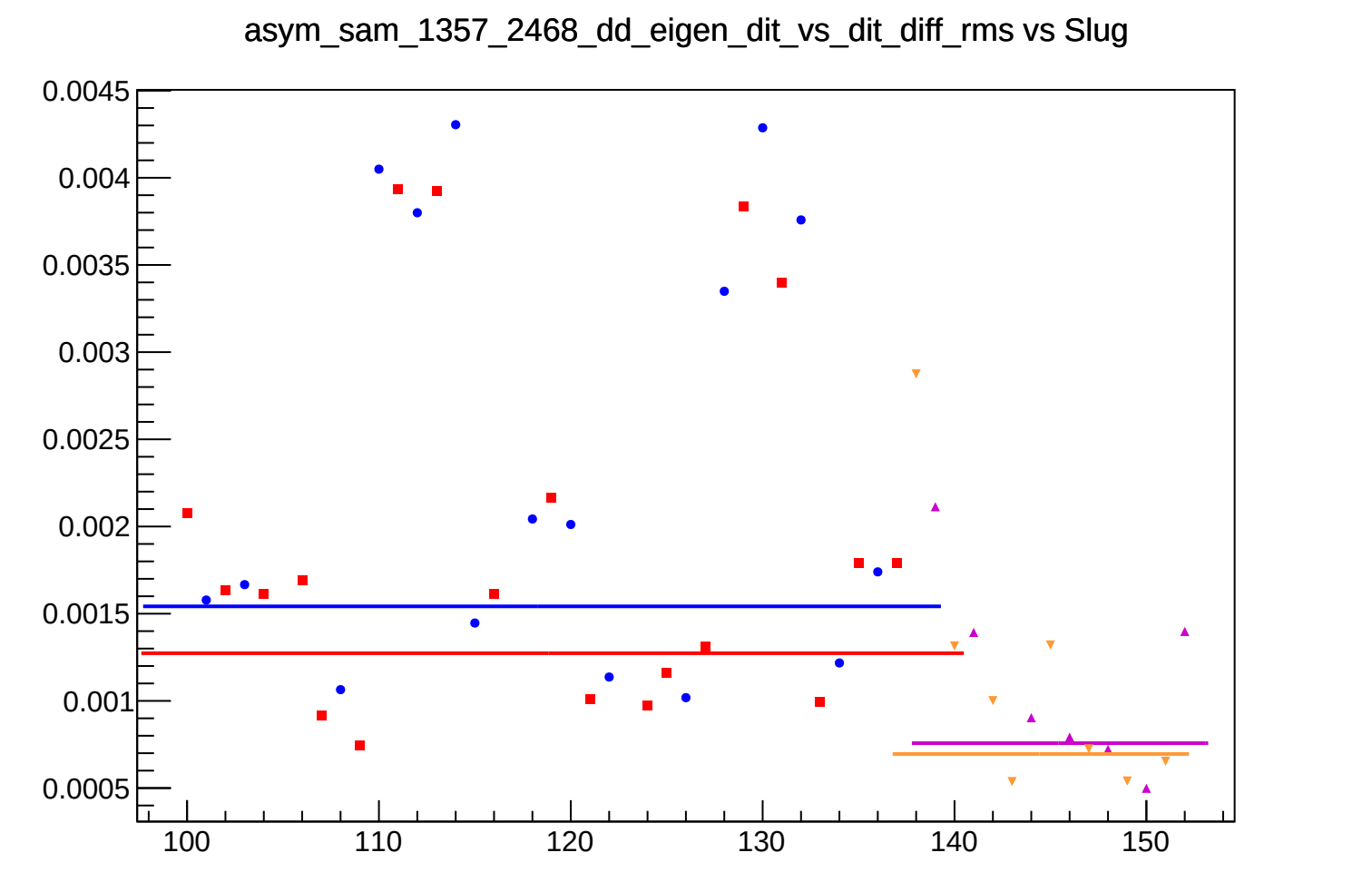
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 25.7/23

All: 0.000+/-0.000 χ^2/NDF: 57.7/49

- sign 0.000+/-0.000 χ^2/NDF: 29.9/25



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:1963710.7/7

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

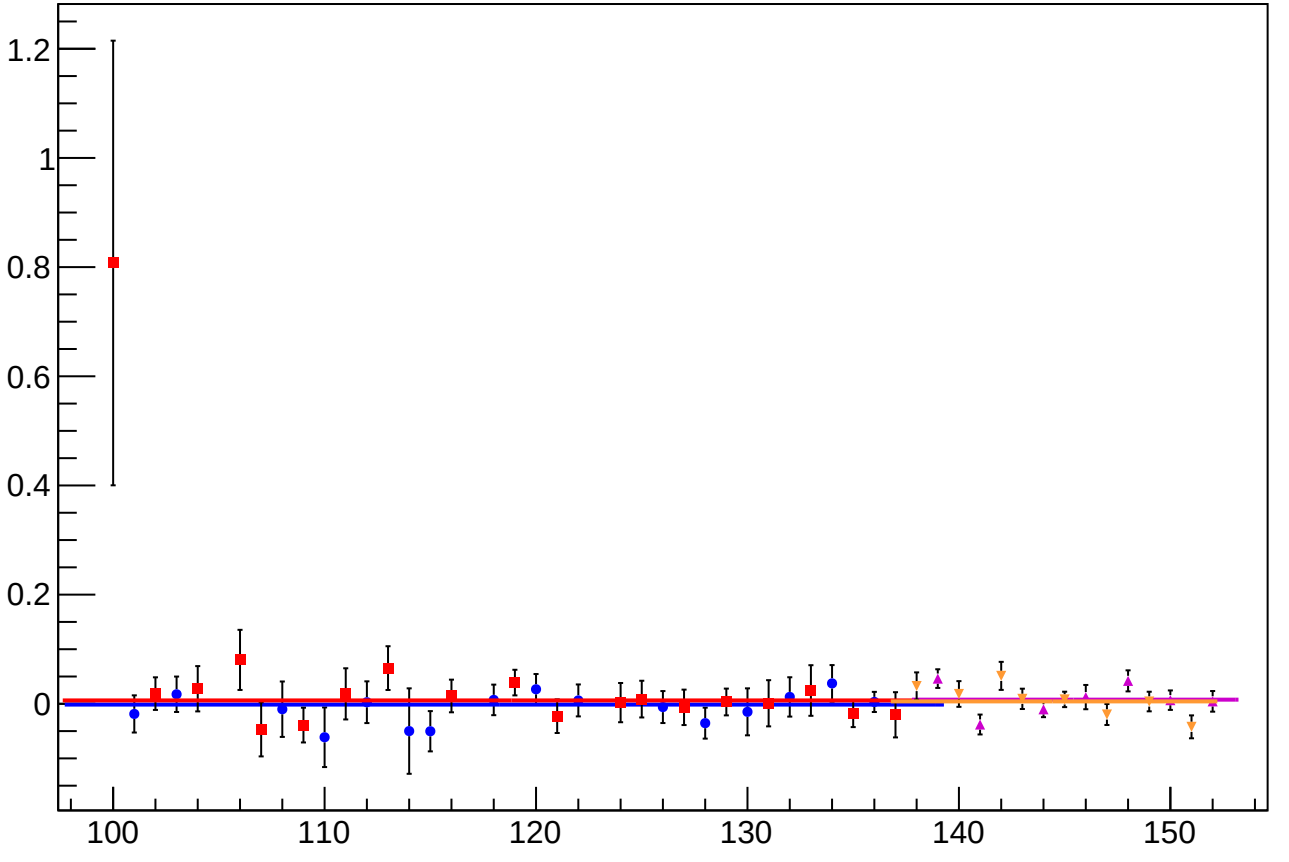
Left In: 0.001+/-0.000 χ^2/NDF:1862878.1/6

+ sign 0.001+/-0.000 χ^2/NDF: 7271407.9/23

All: 0.001+/-0.000 χ^2/NDF: 13191909.4/49

- sign 0.001+/-0.000 χ^2/NDF: 5891587.5/25

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.007 χ^2/NDF:11.5/7

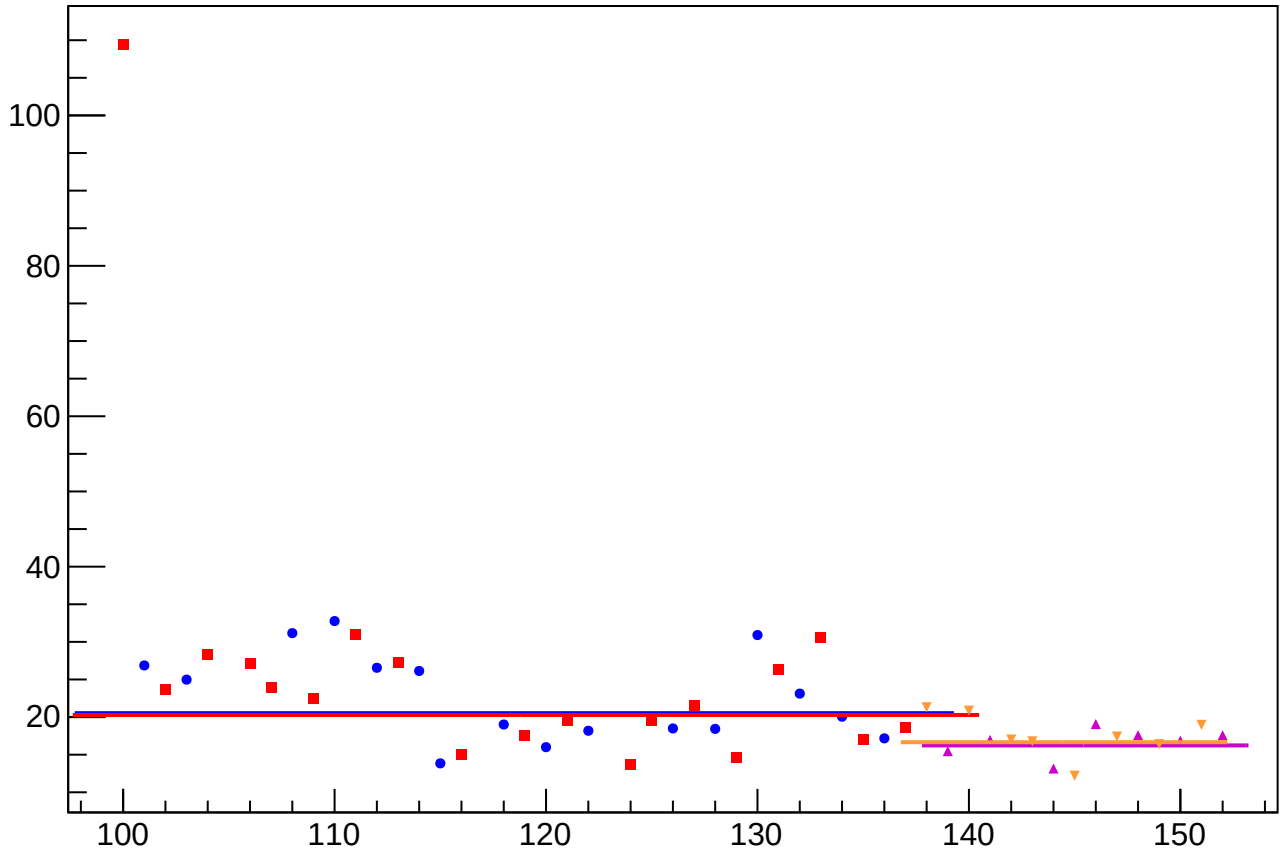
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.007 χ^2/NDF:16.1/6

+ sign 0.002+/-0.005 χ^2/NDF: 20.1/23

All: 0.005+/-0.004 χ^2/NDF: 52.9/49

- sign 0.007+/-0.005 χ^2/NDF: 32.3/25



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.657+/-0.005 χ^2/NDF:359291.4/7

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

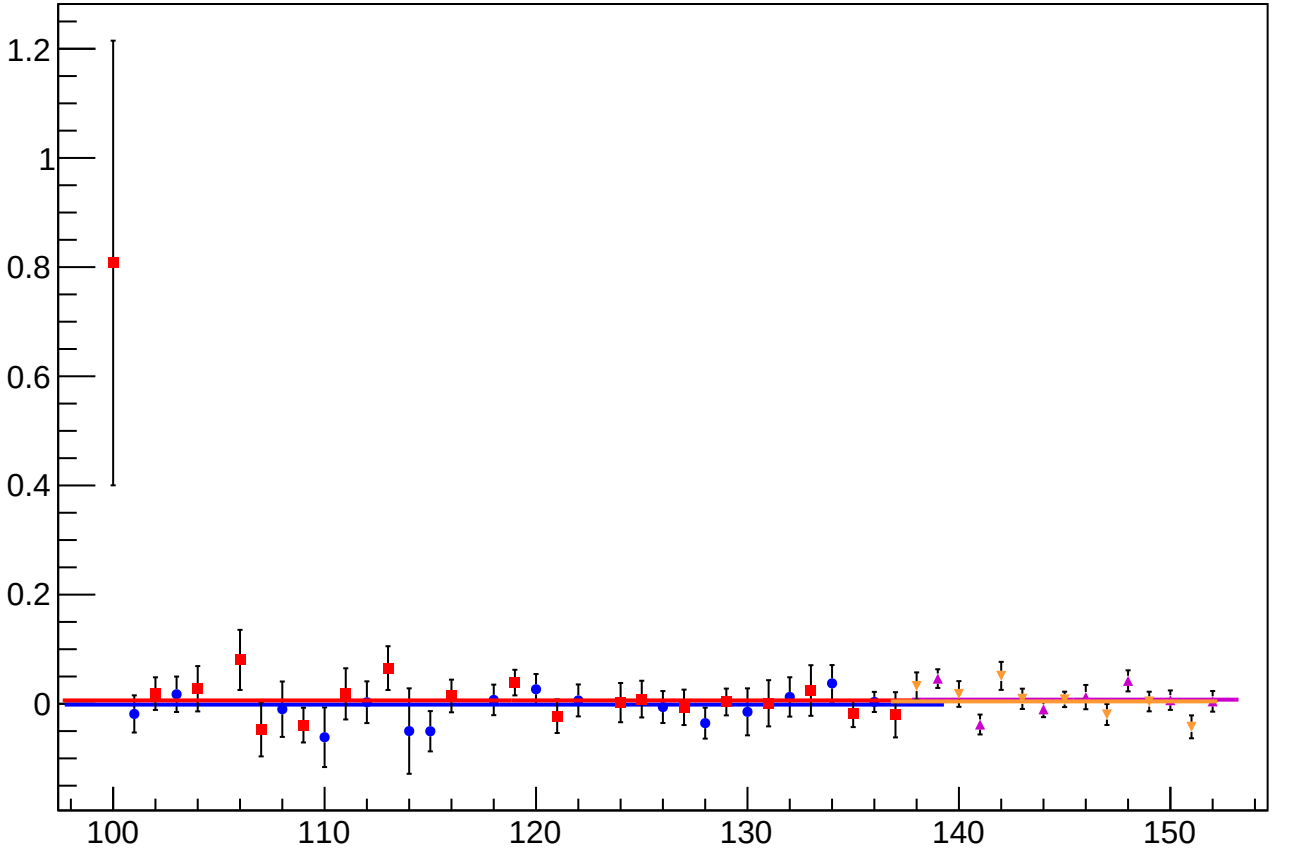
Left In: 16.234+/-0.005 χ^2/NDF:153438.0/6

+ sign 18.296+/-0.004 χ^2/NDF: 1329858.9/23

All: 18.118+/-0.003 χ^2/NDF: 2655931.6/49

- sign 17.948+/-0.004 χ^2/NDF: 1321577.1/25

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.007 χ^2/NDF:11.5/7

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

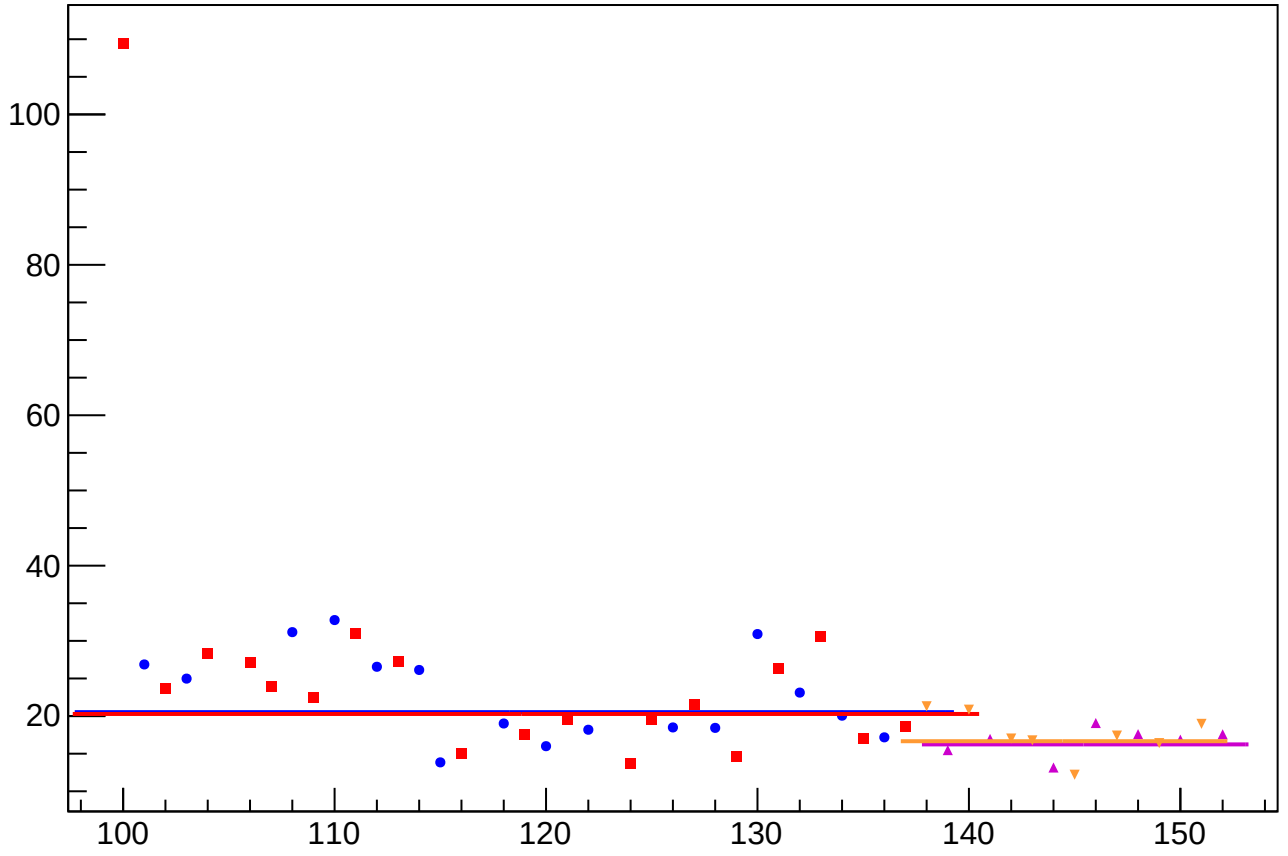
Left In: 0.008+/-0.007 χ^2/NDF:16.1/6

+ sign 0.002+/-0.005 χ^2/NDF: 20.1/23

All: 0.005+/-0.004 χ^2/NDF: 52.9/49

- sign 0.007+/-0.005 χ^2/NDF: 32.3/25

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.657+/-0.005 χ^2/NDF:359291.4/7

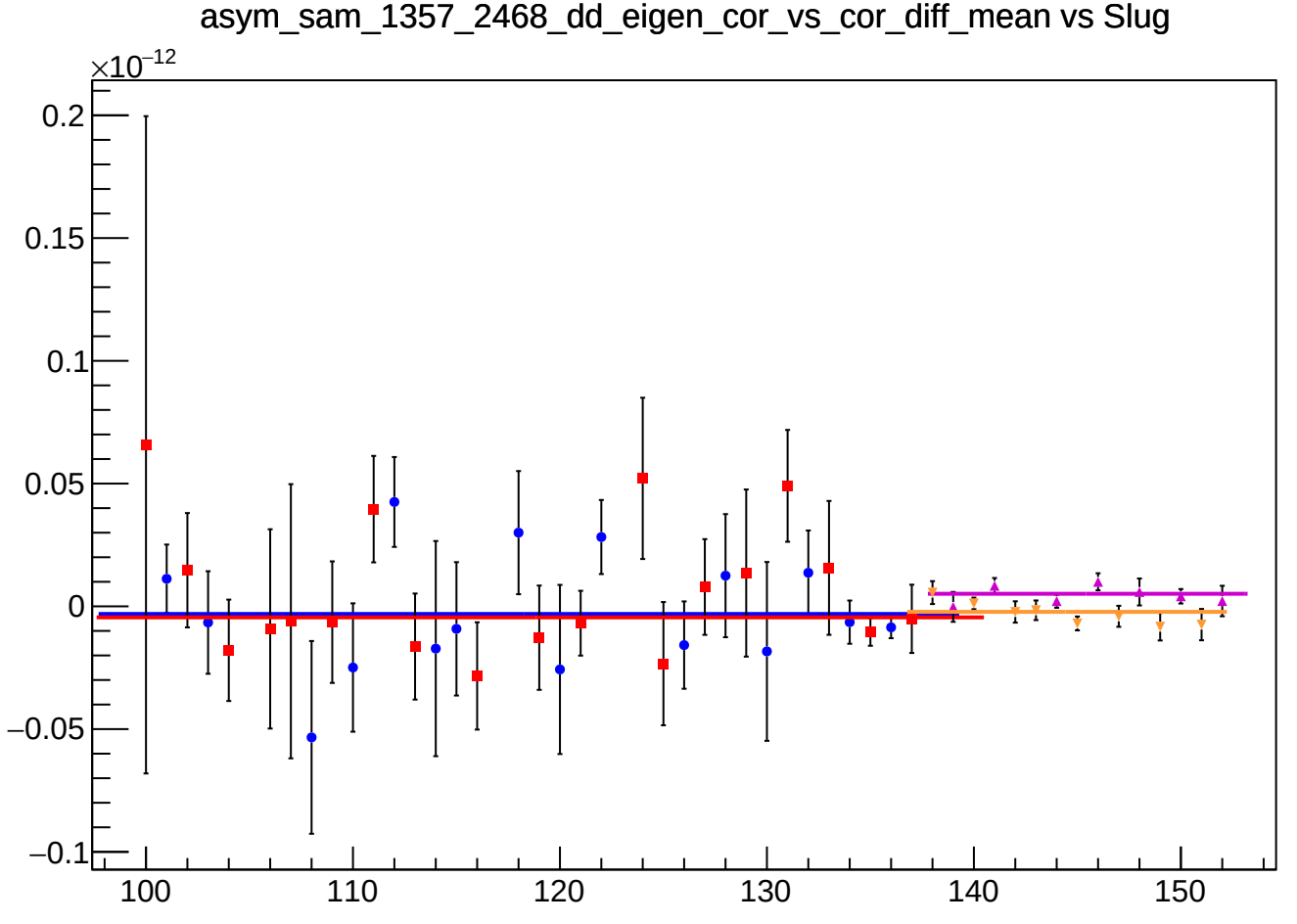
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.234+/-0.005 χ^2/NDF:153438.0/6

+ sign 18.296+/-0.004 χ^2/NDF: 1329858.9/23

All: 18.118+/-0.003 χ^2/NDF: 2655931.6/49

- sign 17.948+/-0.004 χ^2/NDF: 1321577.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.7/7

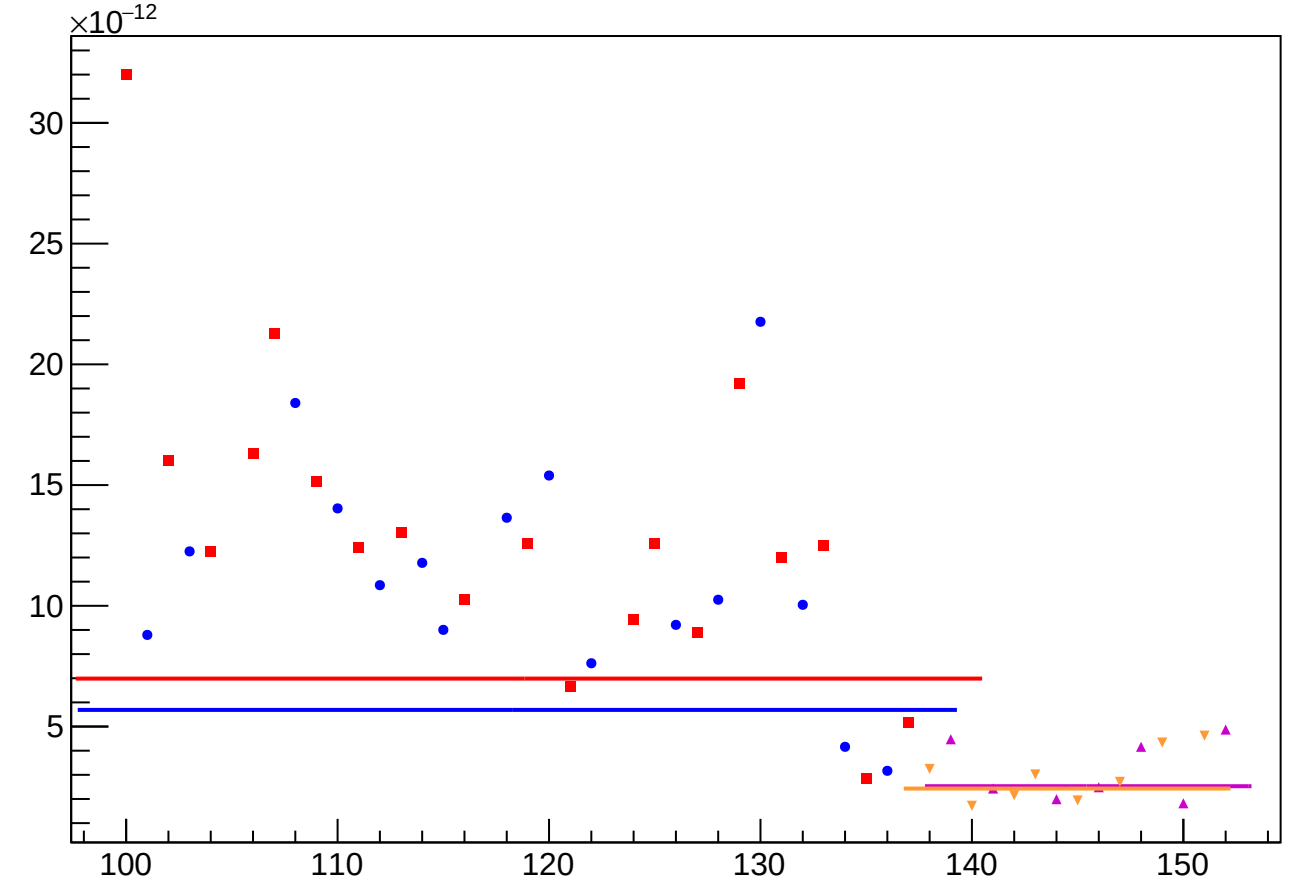
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/23

All: 0.000+/-0.000 χ^2/NDF: 72.0/49

- sign 0.000+/-0.000 χ^2/NDF: 29.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:827658.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

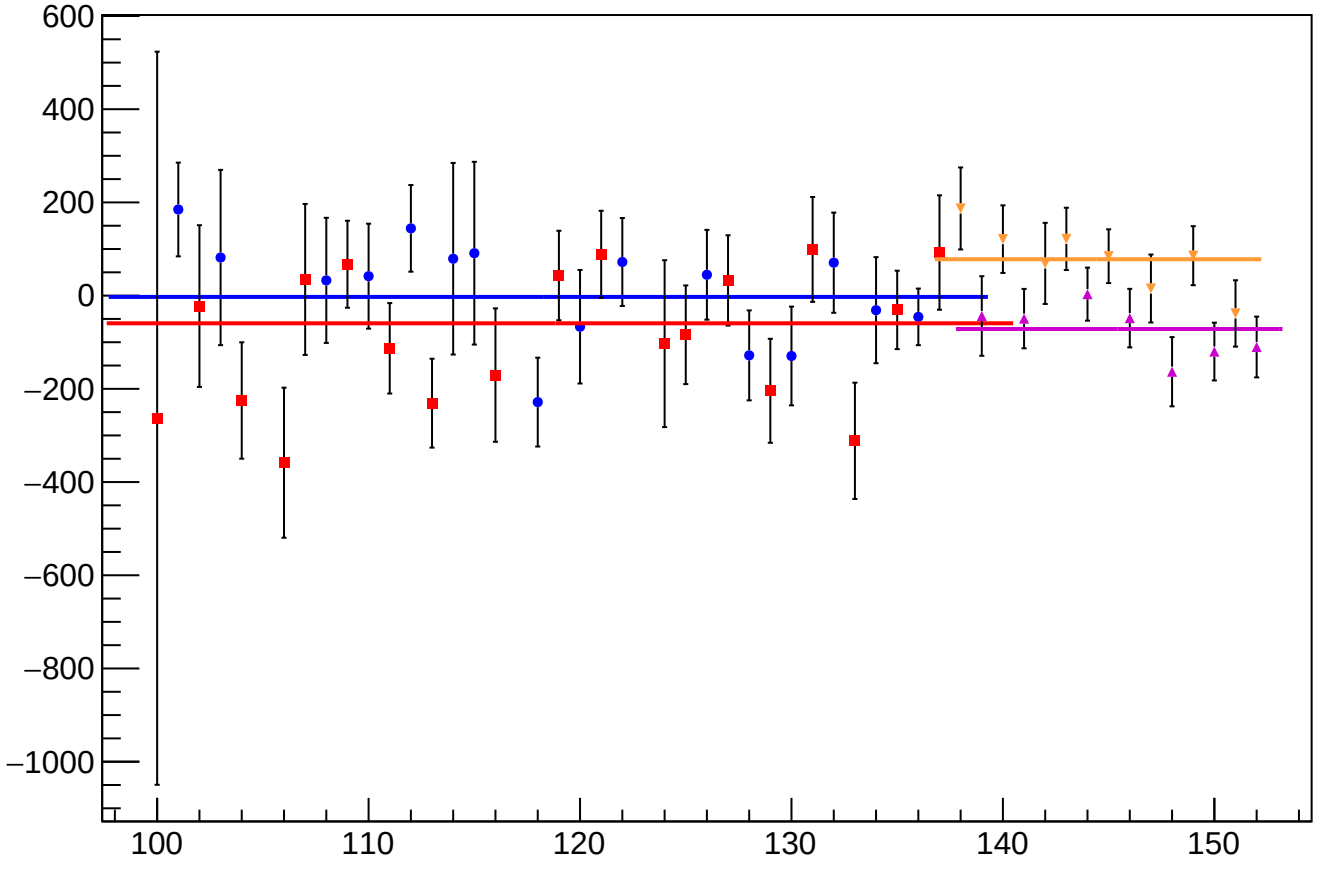
Left In: 0.000+/-0.000 χ^2/NDF:863287.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 5252567.5/23

All: 0.000+/-0.000 χ^2/NDF: 11593430.5/49

- sign 0.000+/-0.000 χ^2/NDF: 6327343.5/25

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 78.051+/-24.920 χ^2/NDF:5.8/7

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

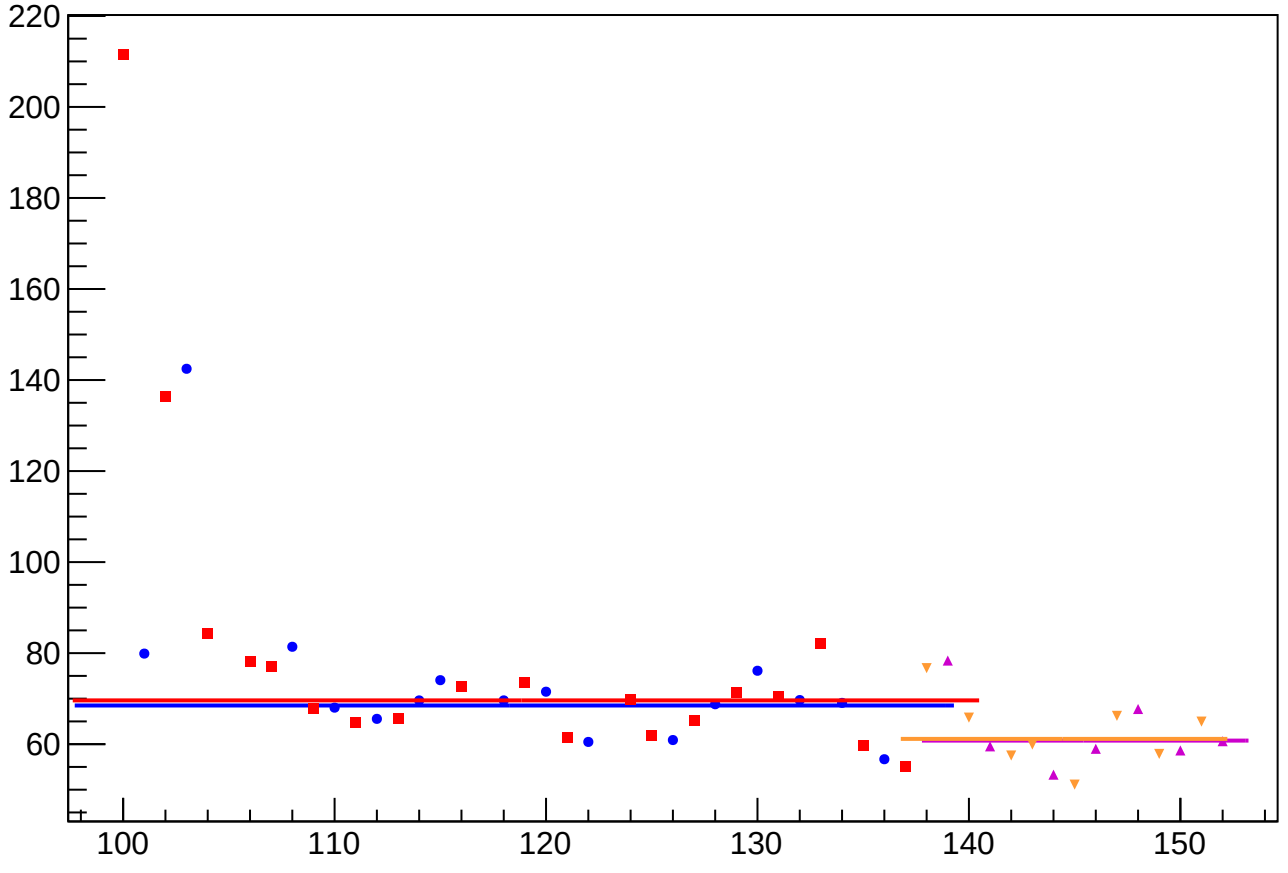
Left In: -71.590+/-24.825 χ^2/NDF:4.6/6

+ sign 39.685+/-18.061 χ^2/NDF: 28.5/23

All: -13.024+/-12.778 χ^2/NDF: 75.9/49

- sign -65.841+/-18.079 χ^2/NDF: 30.4/25

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.159+/-0.018 χ^2/NDF:156298.5/7

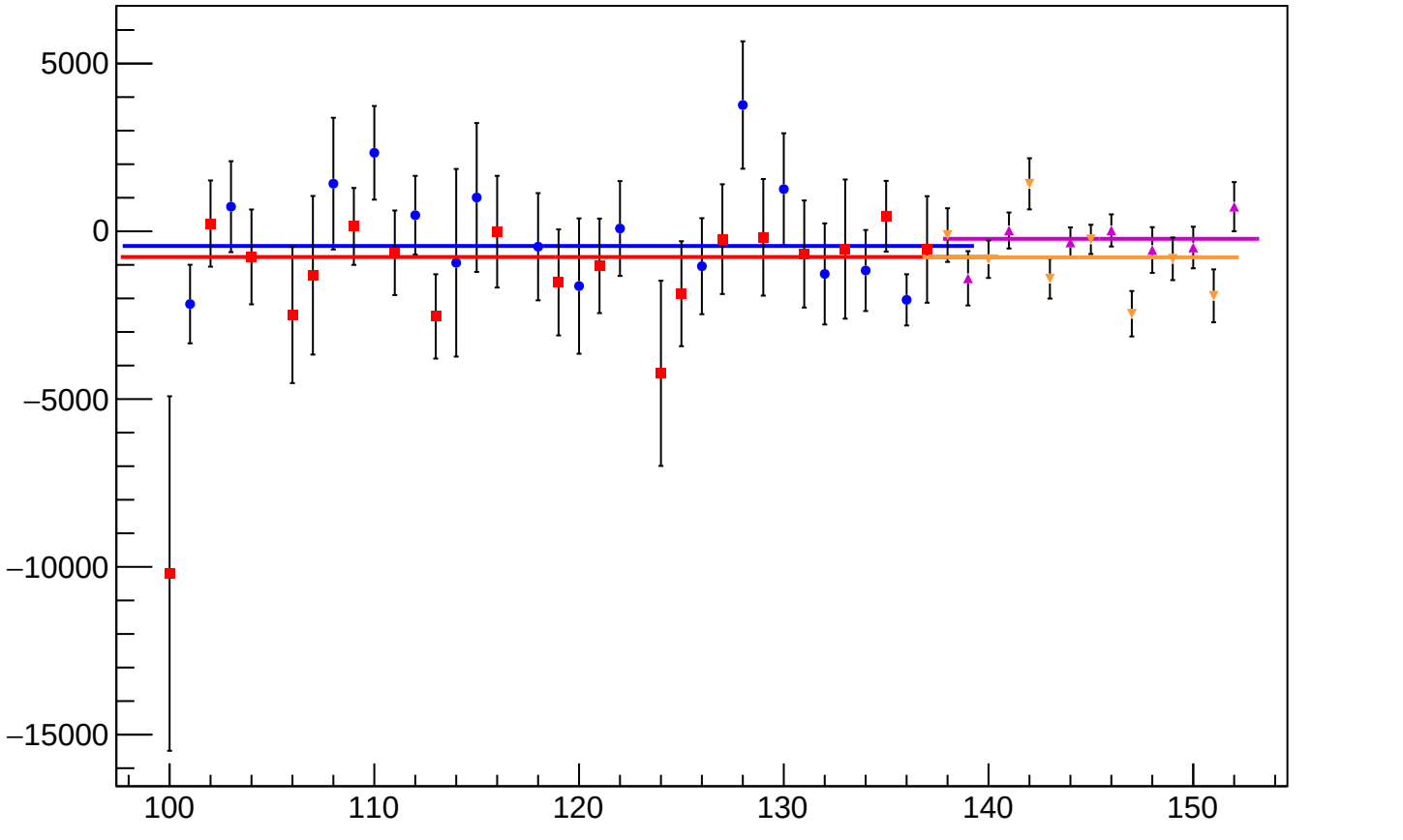
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.784+/-0.018 χ^2/NDF:141715.0/6

+ sign 64.644+/-0.013 χ^2/NDF: 710514.5/23

All: 64.788+/-0.009 χ^2/NDF: 1491864.0/49

- sign 64.934+/-0.013 χ^2/NDF: 781092.0/25



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -774.212+/-218.933 χ^2/NDF:19.9/7

Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

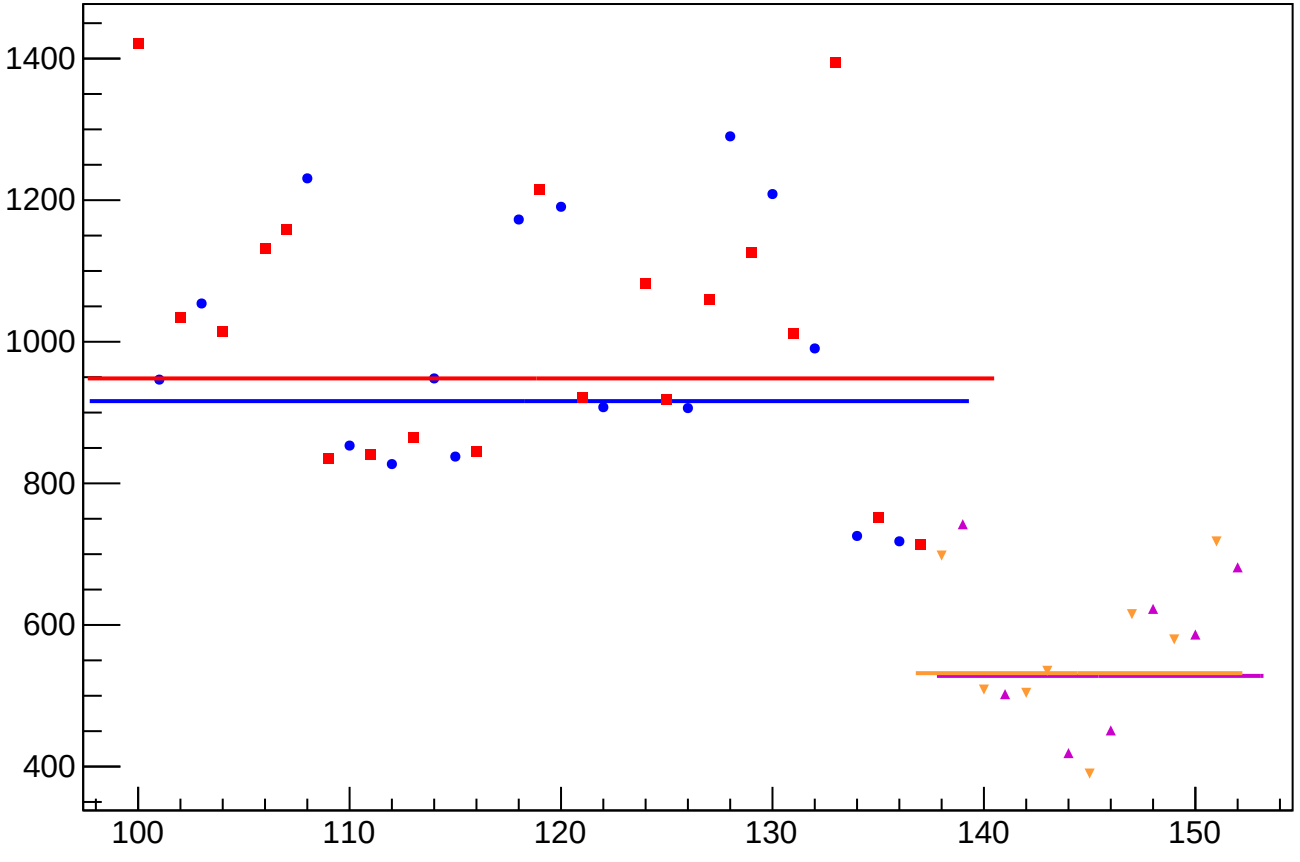
Left In: -223.447+/-218.408 χ^2/NDF:4.8/6

+ sign -679.063+/-185.444 χ^2/NDF: 41.1/23

All: -526.490+/-131.233 χ^2/NDF: 60.3/49

- sign -373.431+/-185.740 χ^2/NDF: 17.8/25

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 531.925+/-0.155 χ^2/NDF:456620.3/7

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

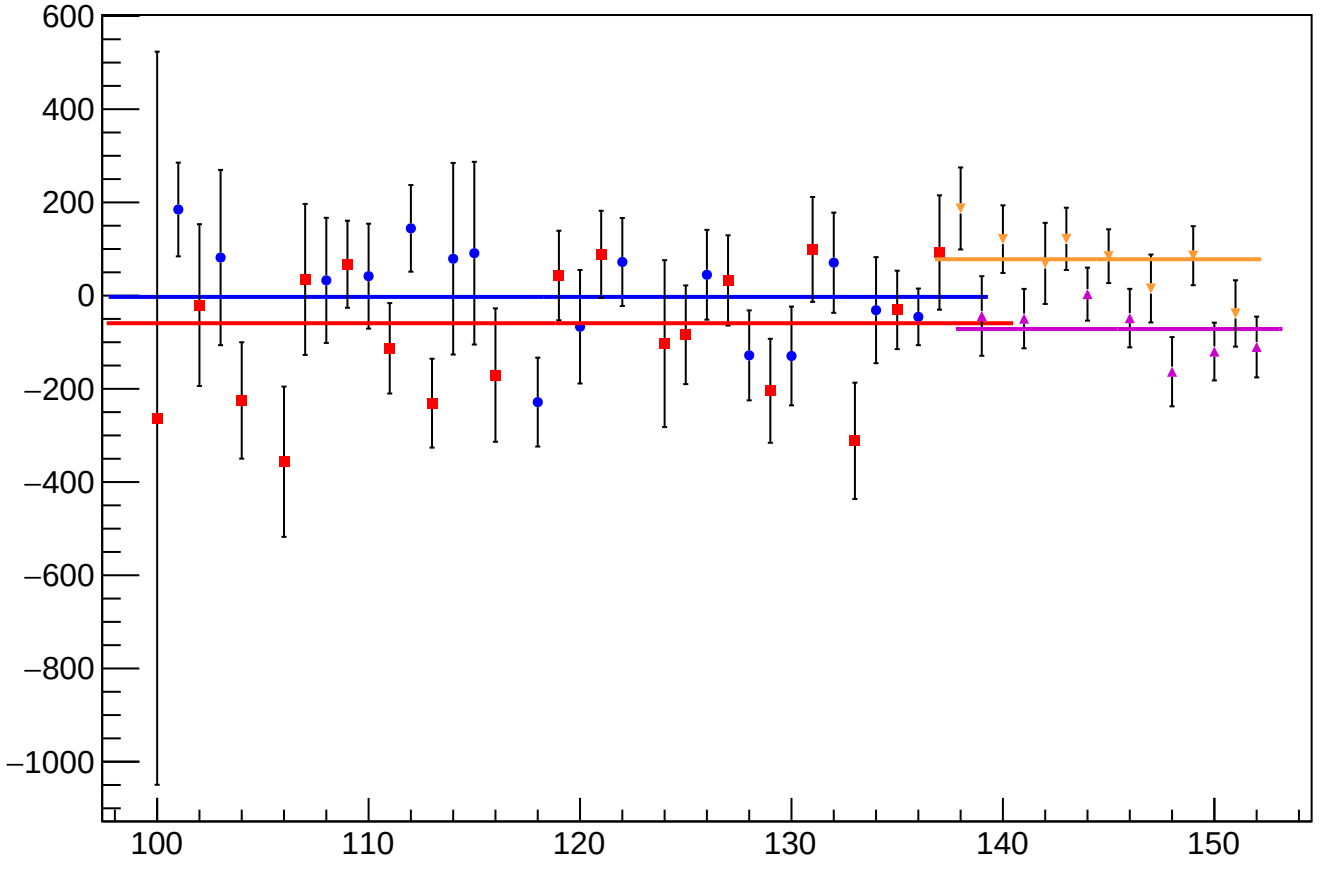
Left In: 528.072+/-0.154 χ^2/NDF:458859.3/6

+ sign 640.488+/-0.131 χ^2/NDF: 2706337.0/23

All: 642.423+/-0.093 χ^2/NDF: 5629440.8/49

- sign 644.364+/-0.131 χ^2/NDF: 2922667.8/25

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 78.058+/-24.920 χ^2/NDF:5.8/7

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

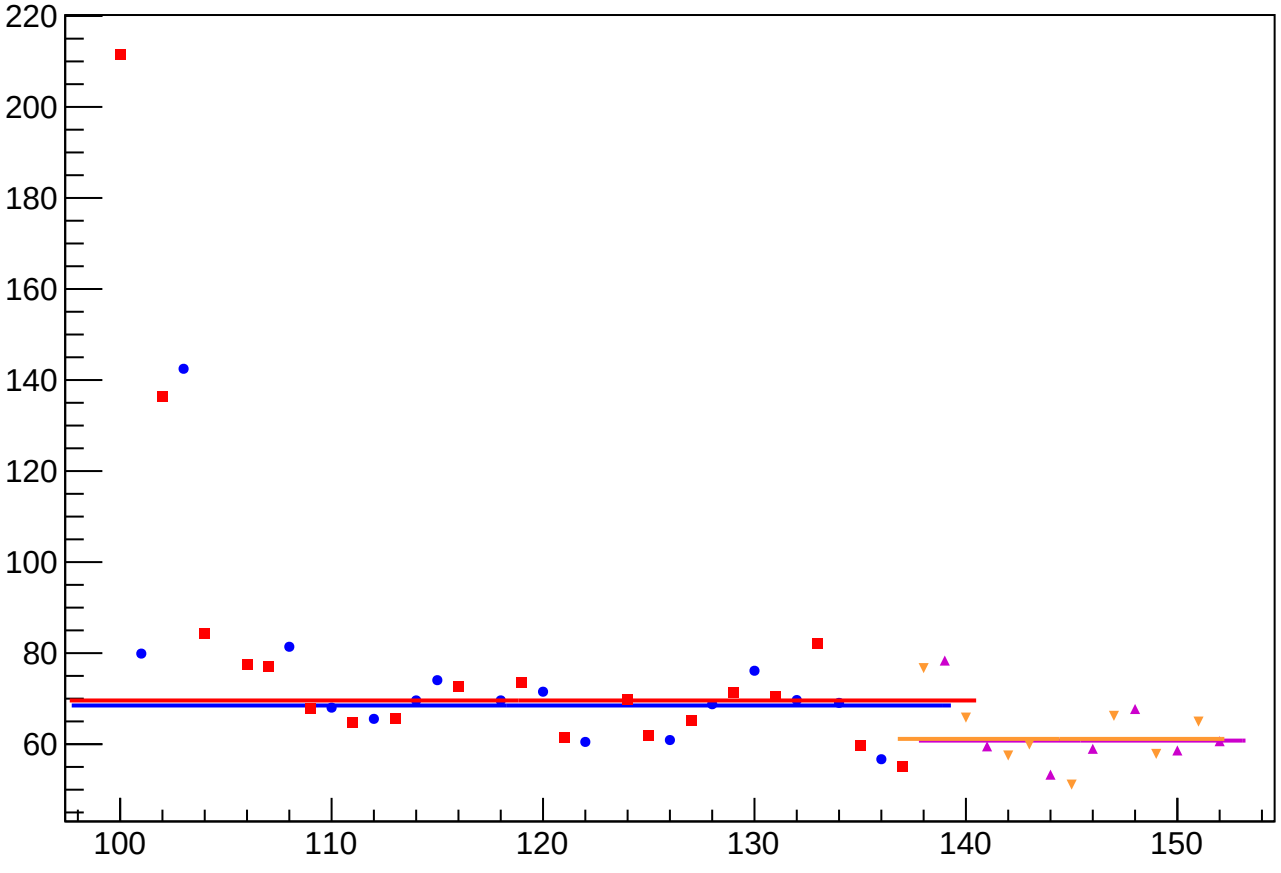
Left In: -71.592+/-24.825 χ^2/NDF:4.6/6

+ sign 39.685+/-18.061 χ^2/NDF: 28.5/23

All: -12.995+/-12.778 χ^2/NDF: 75.8/49

- sign -65.785+/-18.080 χ^2/NDF: 30.3/25

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.159+/-0.018 χ^2/NDF:156298.5/7

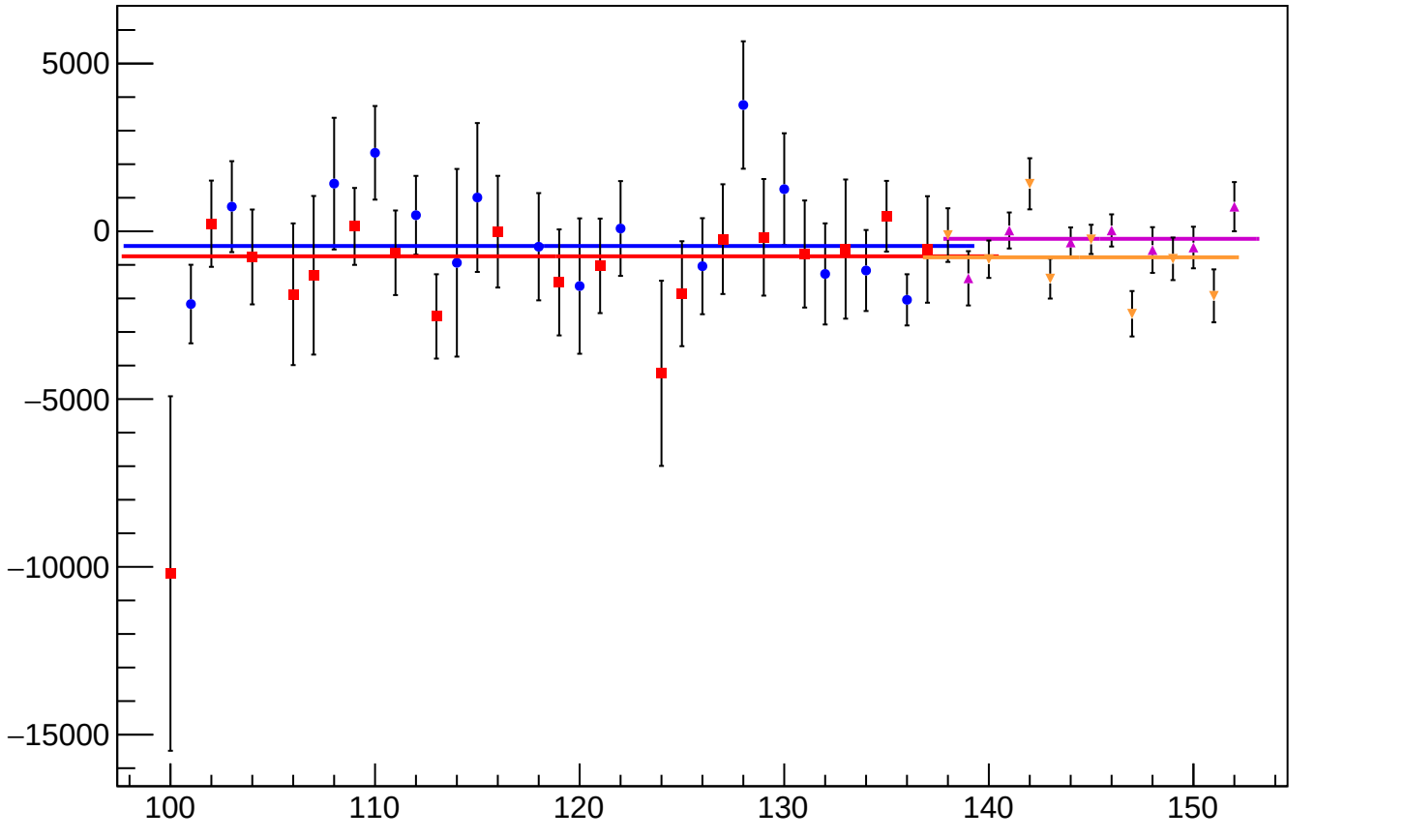
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.784+/-0.018 χ^2/NDF:141715.0/6

+ sign 64.644+/-0.013 χ^2/NDF: 710517.5/23

All: 64.784+/-0.009 χ^2/NDF: 1490712.8/49

- sign 64.924+/-0.013 χ^2/NDF: 779953.9/25



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -774.204+/-218.933 χ^2/NDF:19.9/7

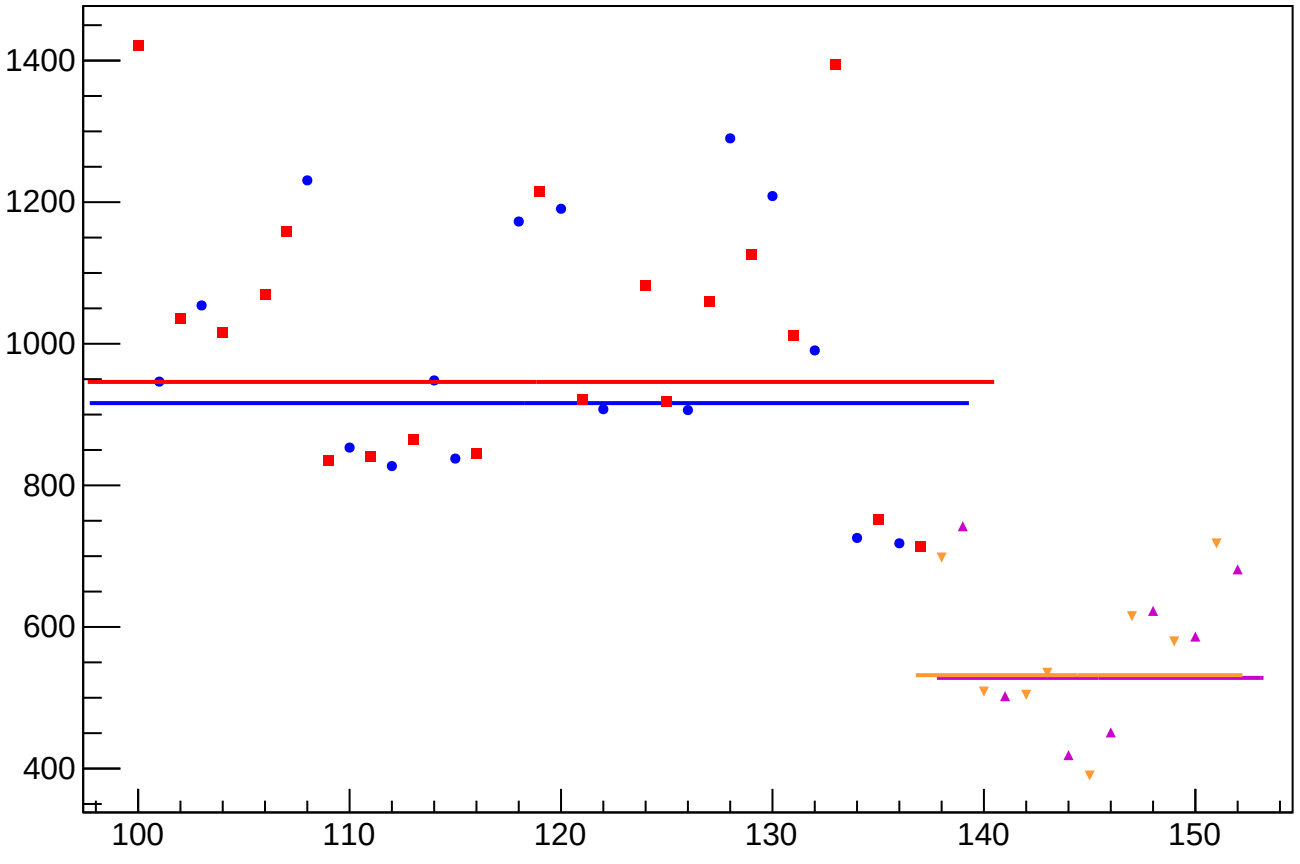
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -223.451+/-218.408 χ^2/NDF:4.8/6

+ sign -679.050+/-185.444 χ^2/NDF: 41.1/23

All: -523.515+/-131.255 χ^2/NDF: 59.8/49

- sign -367.378+/-185.803 χ^2/NDF: 17.2/25



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 531.925+/-0.155 χ^2/NDF:456623.0/7

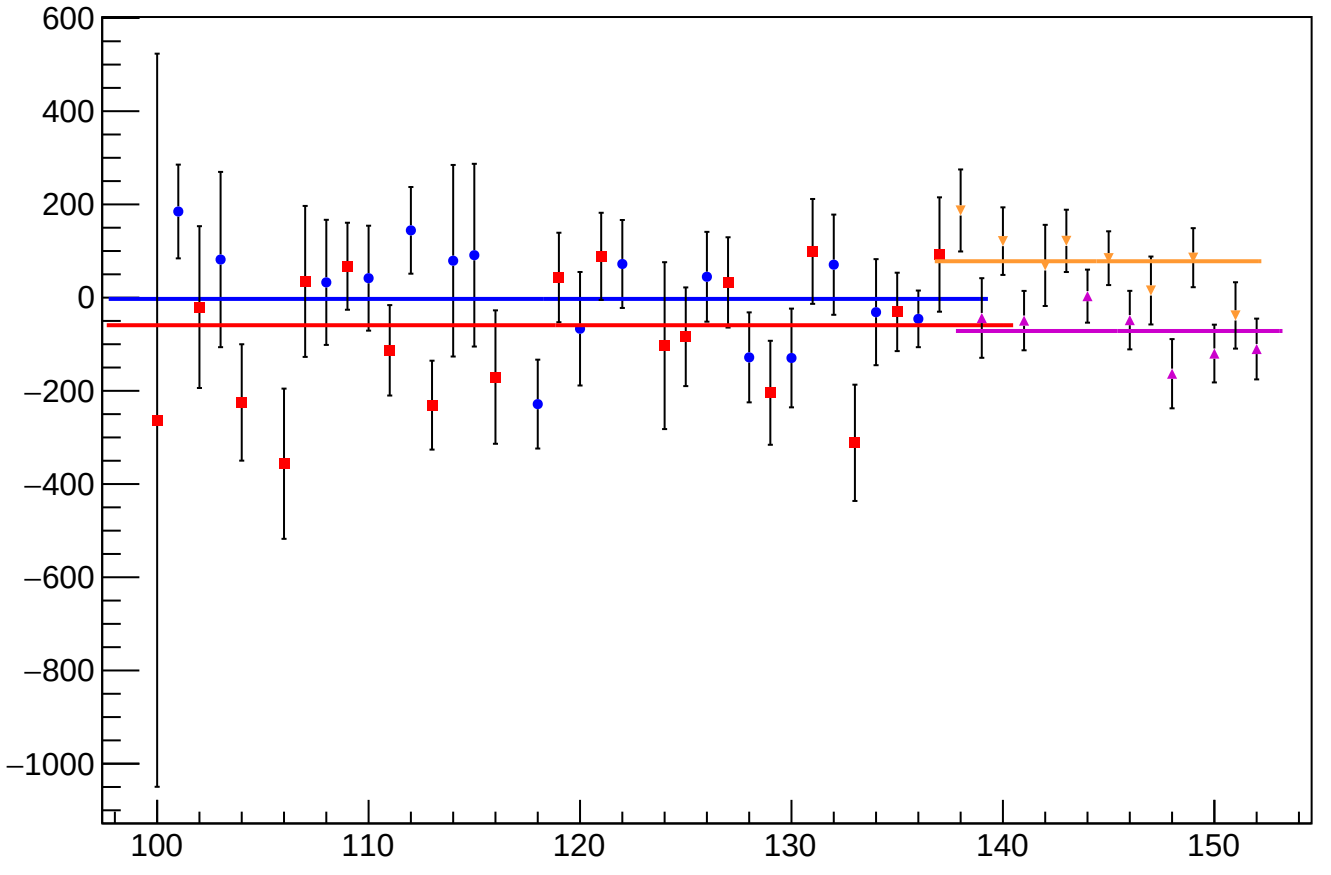
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 528.072+/-0.154 χ^2/NDF:458858.5/6

+ sign 640.488+/-0.131 χ^2/NDF: 2706387.0/23

All: 642.023+/-0.093 χ^2/NDF: 5595086.2/49

- sign 643.565+/-0.131 χ^2/NDF: 2888424.5/25



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 78.058+/-24.920 χ^2/NDF:5.8/7

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

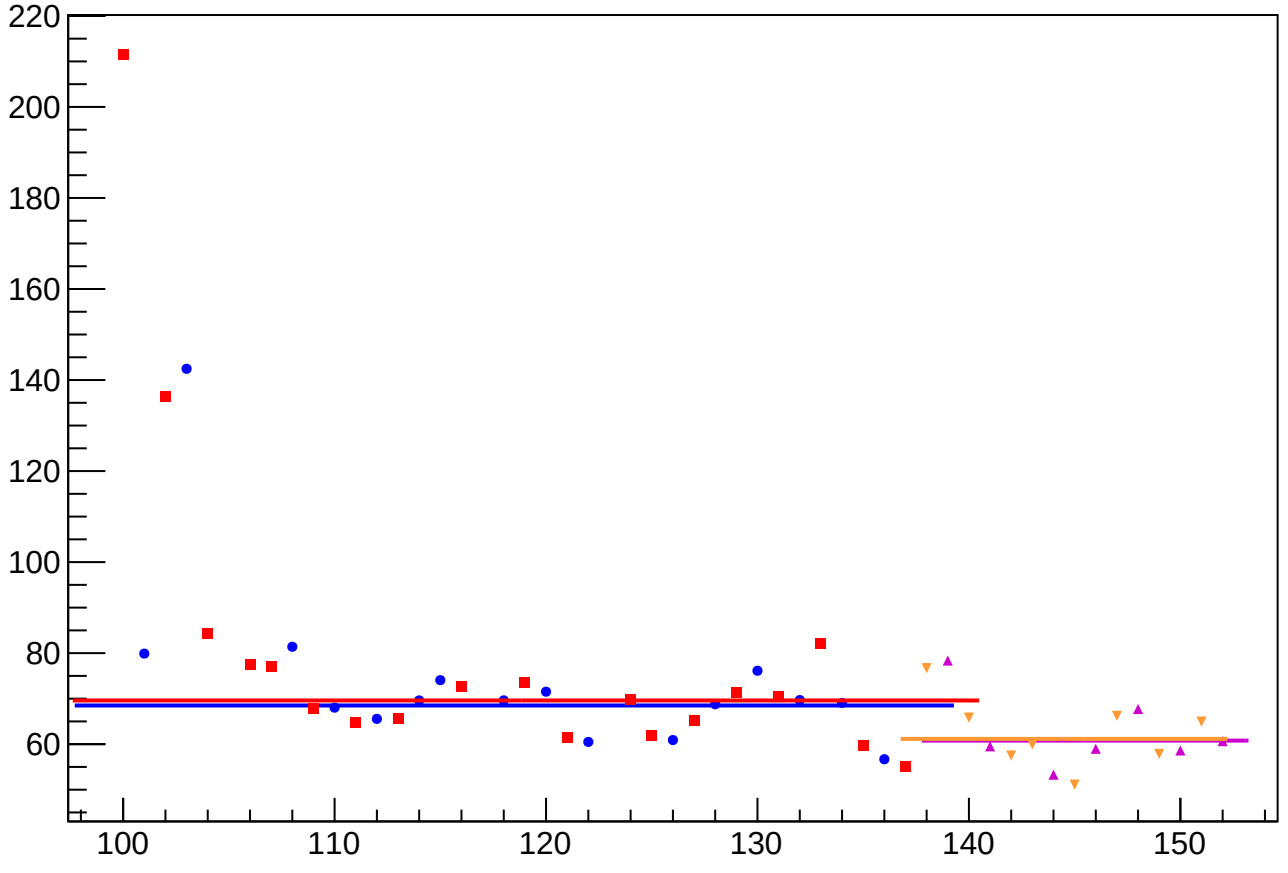
Left In: -71.592+/-24.825 χ^2/NDF:4.6/6

+ sign 39.685+/-18.061 χ^2/NDF: 28.5/23

All: -12.995+/-12.778 χ^2/NDF: 75.8/49

- sign -65.785+/-18.080 χ^2/NDF: 30.3/25

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.159+/-0.018 χ^2/NDF:156298.5/7

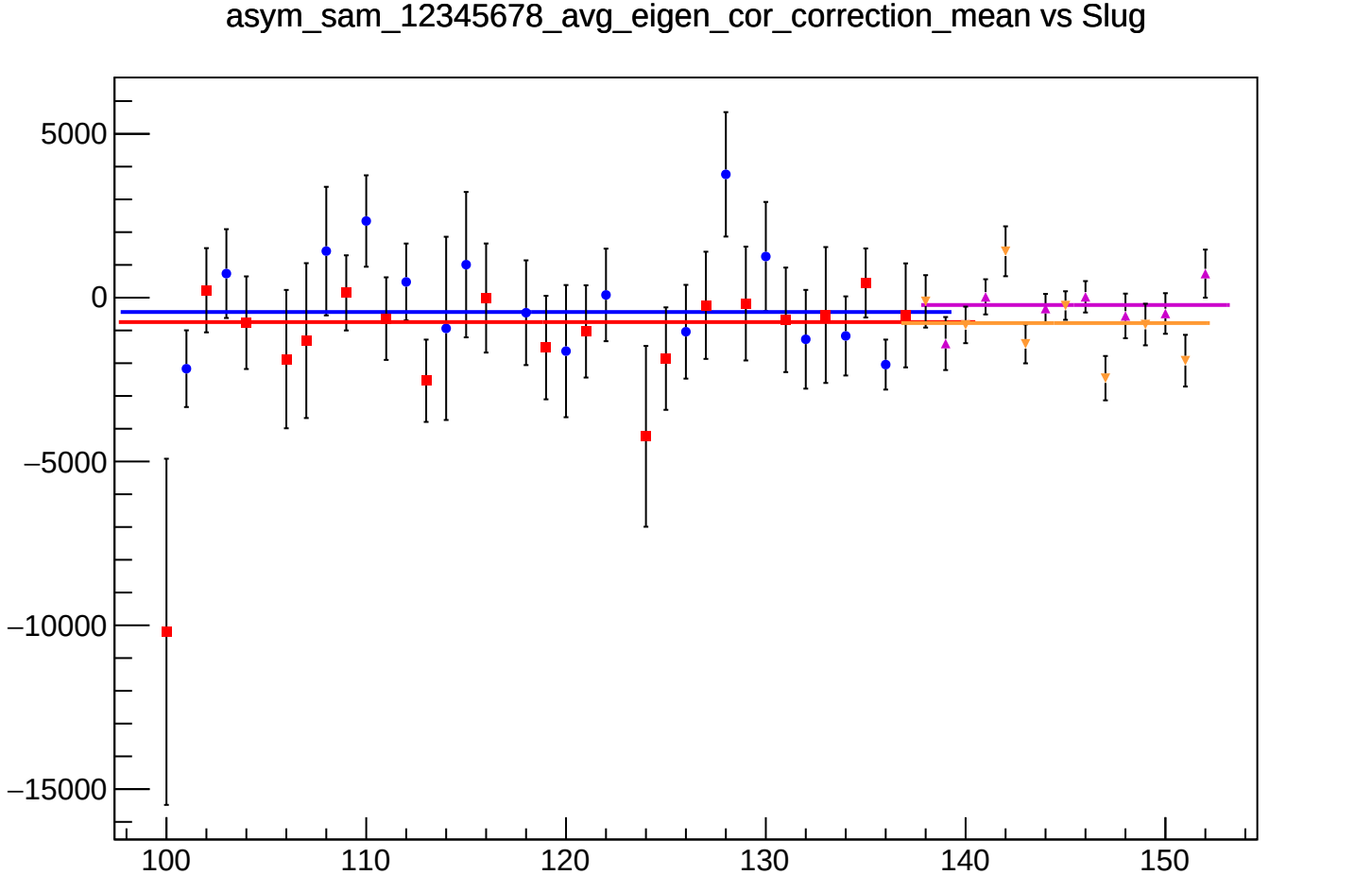
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.784+/-0.018 χ^2/NDF:141715.0/6

+ sign 64.644+/-0.013 χ^2/NDF: 710517.5/23

All: 64.784+/-0.009 χ^2/NDF: 1490712.8/49

- sign 64.924+/-0.013 χ^2/NDF: 779953.9/25



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -774.204+/-218.933 χ^2/NDF:19.9/7

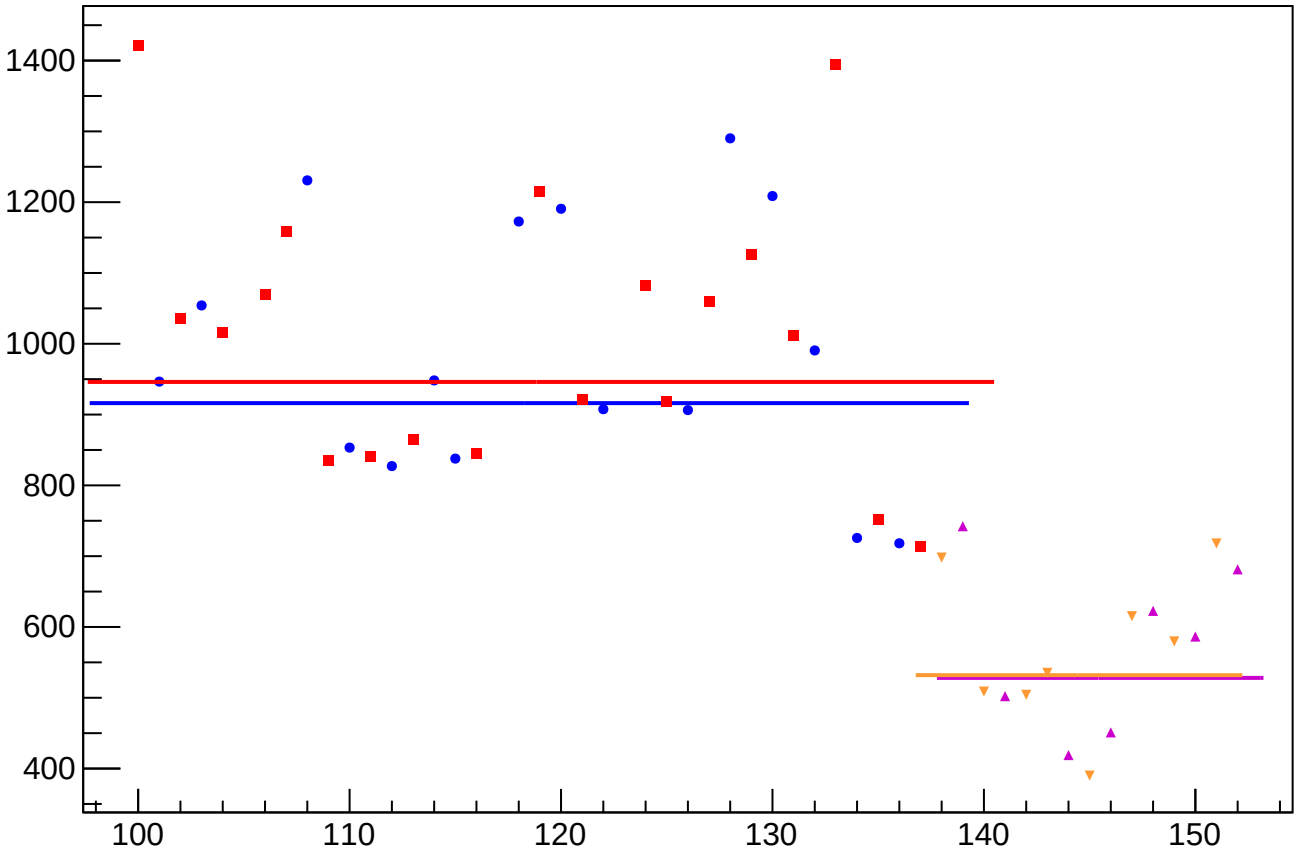
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -223.451+/-218.408 χ^2/NDF:4.8/6

\+ sign -679.050+/-185.444 χ^2/NDF: 41.1/23

All: -523.515+/-131.255 χ^2/NDF: 59.8/49

\- sign -367.378+/-185.803 χ^2/NDF: 17.2/25



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 531.925+/-0.155 χ^2/NDF:456623.0/7

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

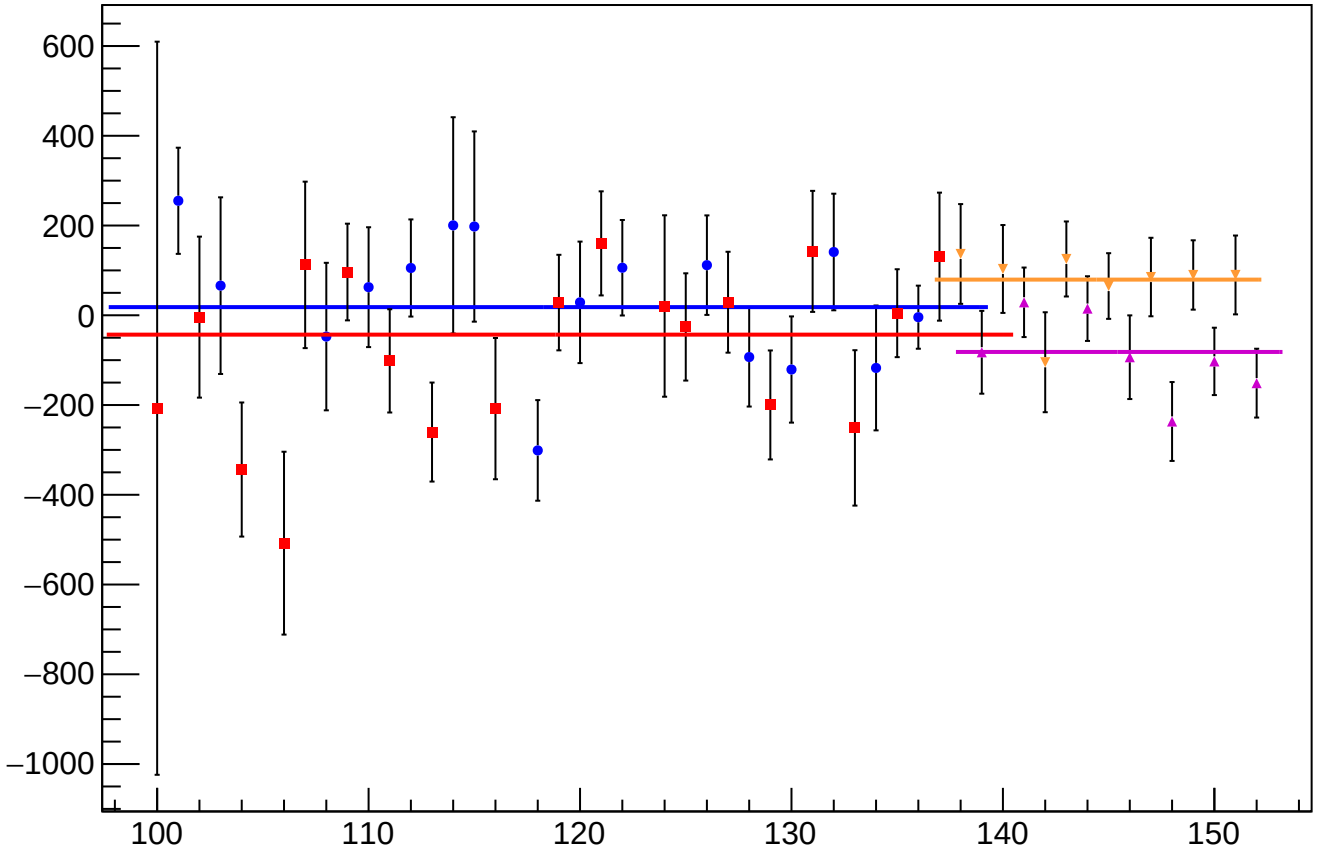
Left In: 528.072+/-0.154 χ^2/NDF:458858.5/6

+ sign 640.488+/-0.131 χ^2/NDF: 2706387.0/23

All: 642.023+/-0.093 χ^2/NDF: 5595086.2/49

- sign 643.565+/-0.131 χ^2/NDF: 2888424.5/25

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 79.468+/-31.258 χ^2/NDF:3.4/7

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

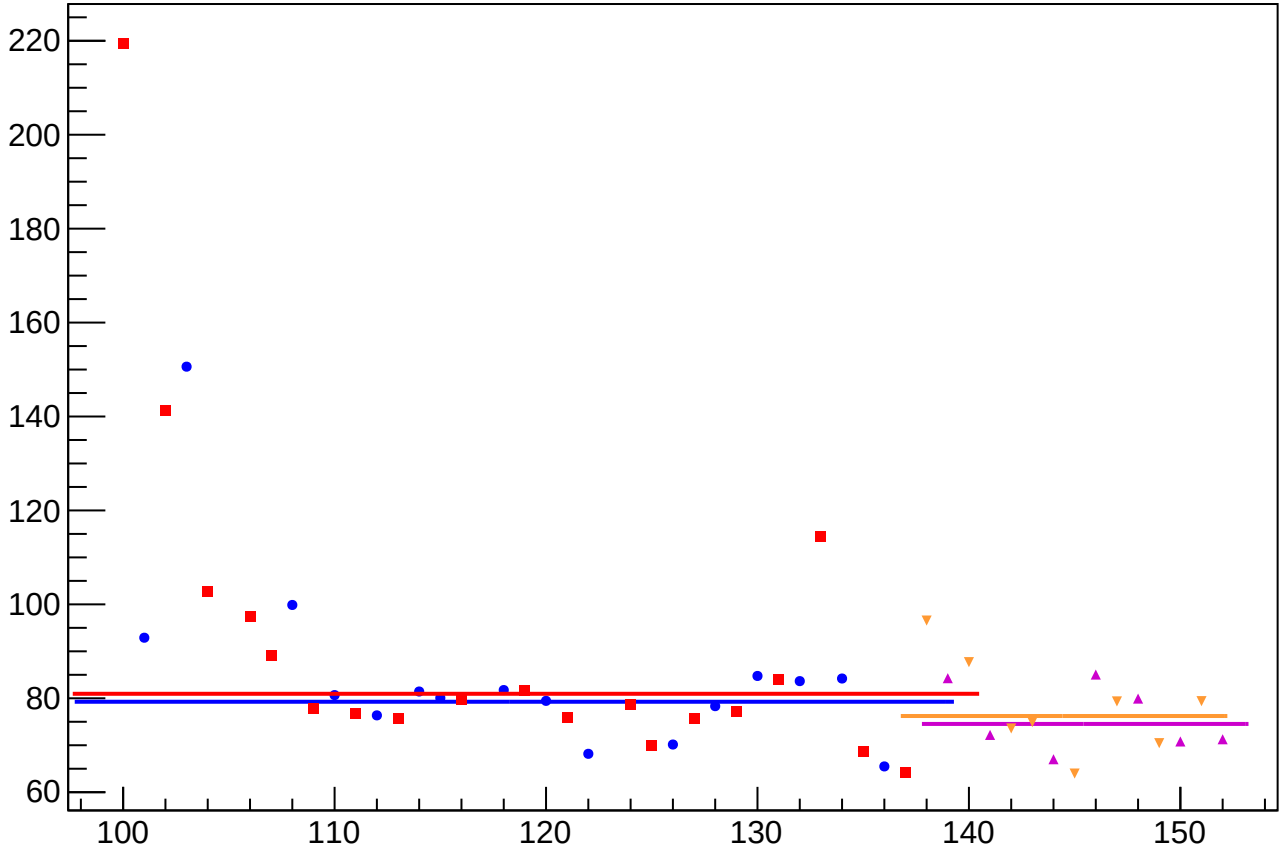
Left In: -81.729+/-30.589 χ^2/NDF:7.9/6

+ sign 47.914+/-21.773 χ^2/NDF: 25.5/23

All: -7.558+/-15.360 χ^2/NDF: 74.8/49

- sign -62.512+/-21.671 χ^2/NDF: 36.4/25

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 76.225+/-0.022 χ^2/NDF:168314.4/7

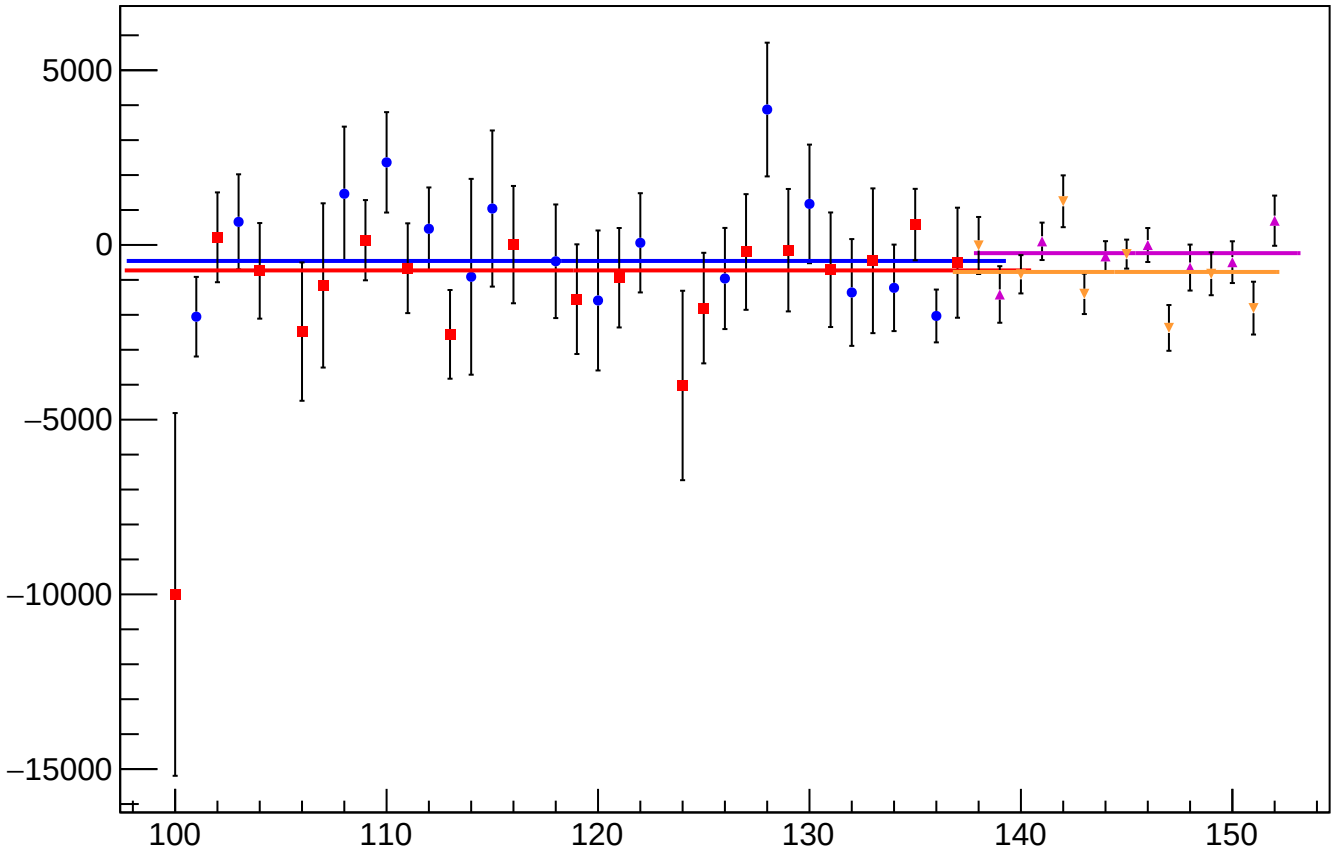
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 74.539+/-0.022 χ^2/NDF:87413.1/6

+ sign 77.789+/-0.015 χ^2/NDF: 622990.6/23

All: 77.762+/-0.011 χ^2/NDF: 1268467.1/49

- sign 77.736+/-0.015 χ^2/NDF: 645470.6/25



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -772.715+/-212.297 χ^2/NDF:18.9/7

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

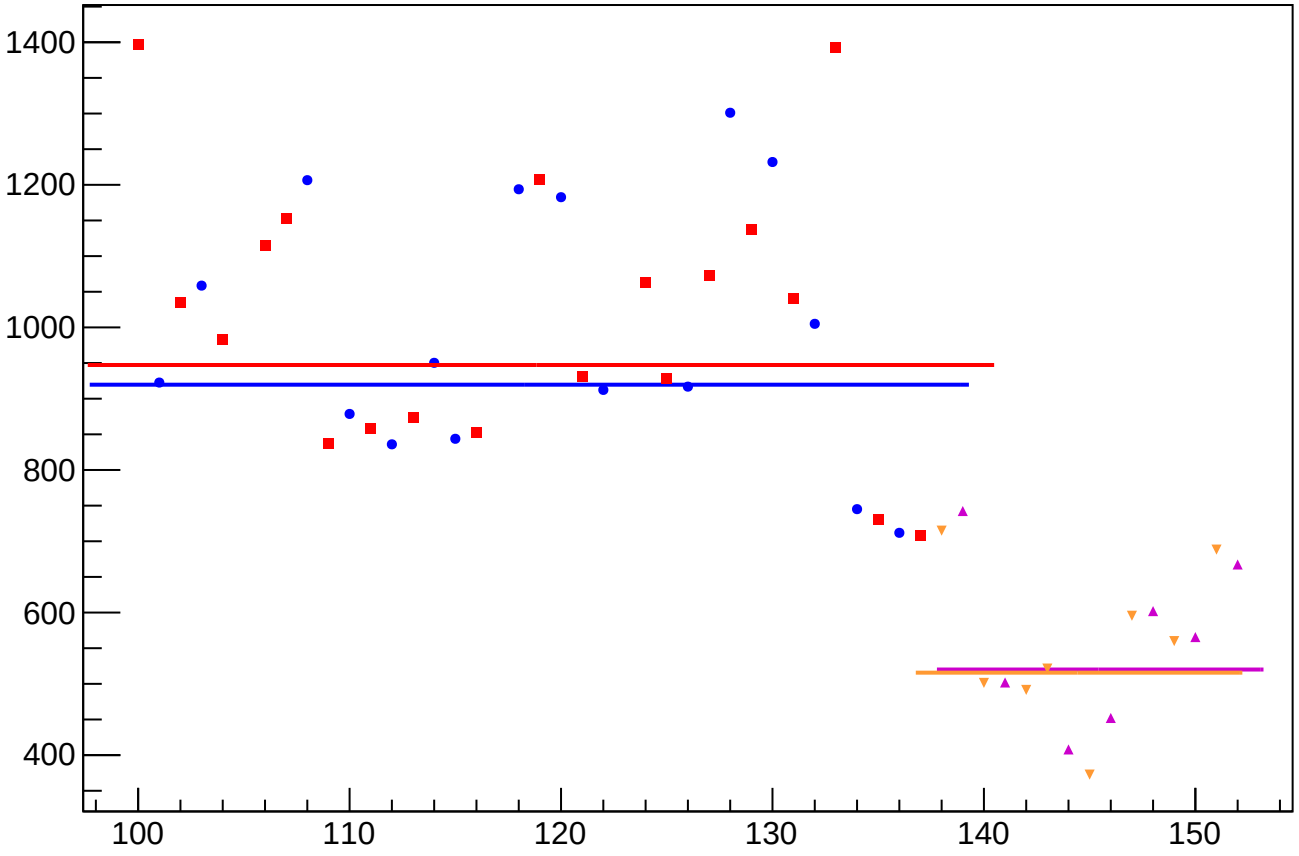
Left In: -234.712+/-215.304 χ^2/NDF:5.1/6

\+ sign -688.124+/-181.526 χ^2/NDF: 39.7/23

All: -530.459+/-129.138 χ^2/NDF: 59.3/49

\- sign -368.903+/-183.752 χ^2/NDF: 18.0/25

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 515.695+/-0.150 χ^2/NDF:504779.1/7

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

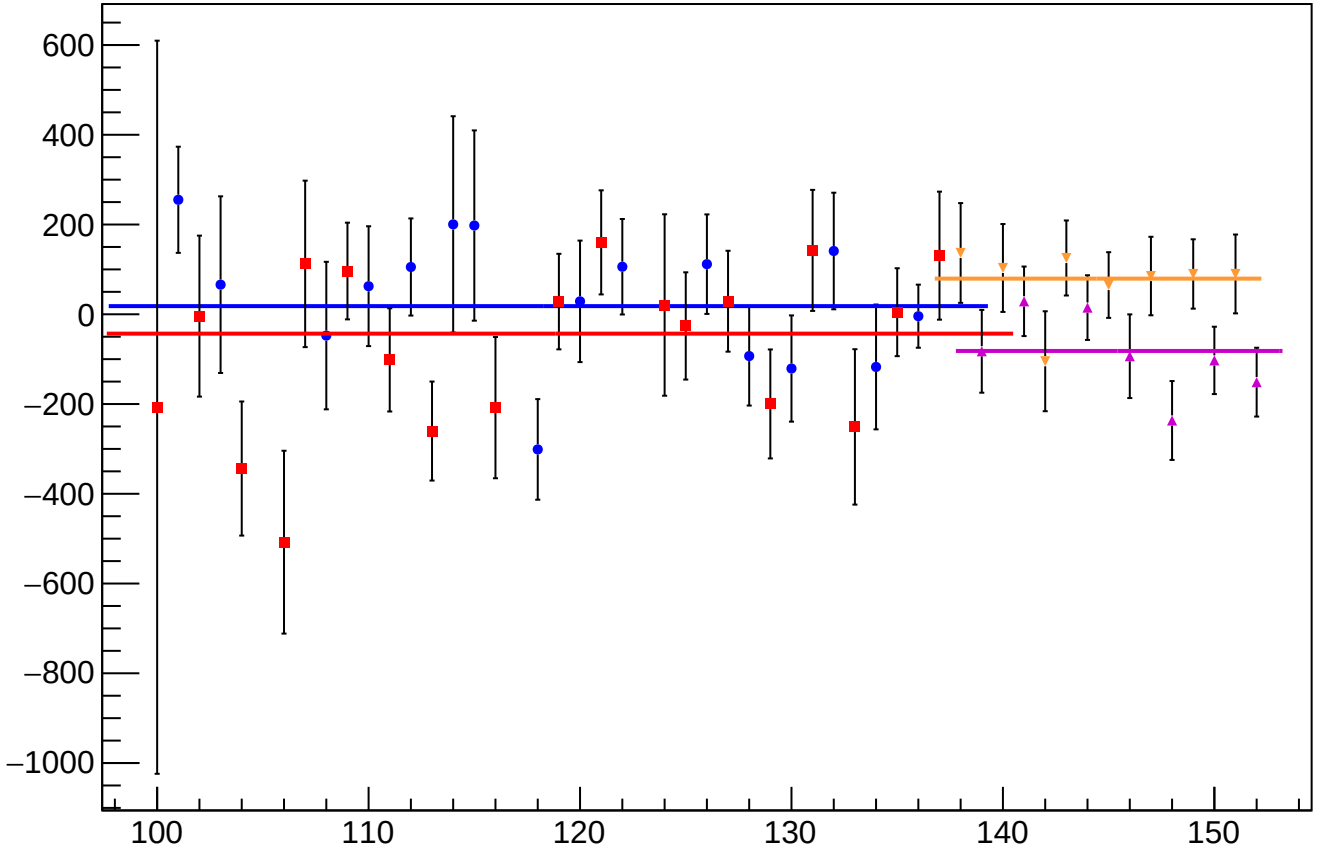
Left In: 520.084+/-0.152 χ^2/NDF:451600.2/6

+ sign 624.306+/-0.128 χ^2/NDF: 2967104.0/23

All: 630.140+/-0.091 χ^2/NDF: 5987028.9/49

- sign 636.117+/-0.130 χ^2/NDF: 3015742.9/25

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 79.468+/-31.258 χ^2/NDF:3.4/7

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

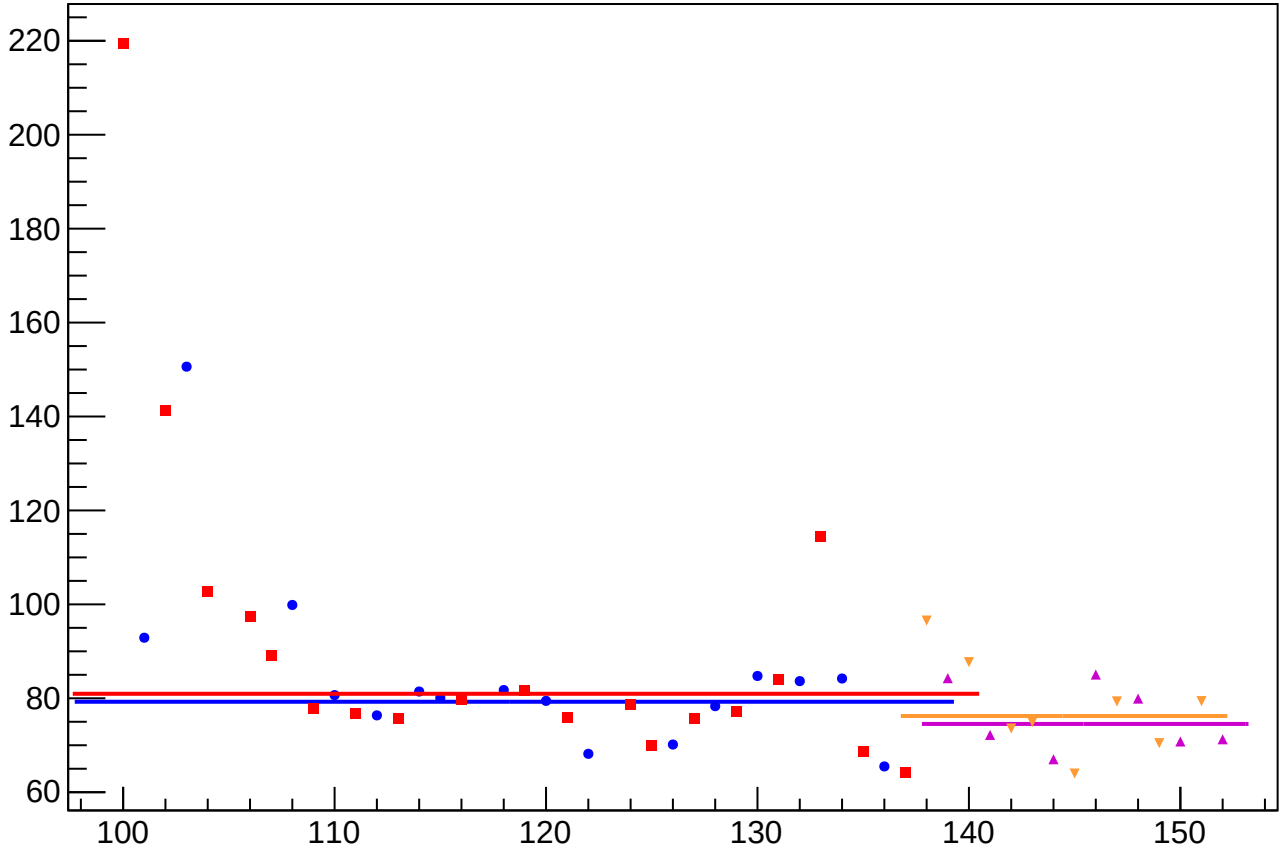
Left In: -81.730+/-30.589 χ^2/NDF:7.9/6

+ sign 47.914+/-21.773 χ^2/NDF: 25.5/23

All: -7.557+/-15.360 χ^2/NDF: 74.8/49

- sign -62.511+/-21.671 χ^2/NDF: 36.4/25

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 76.226+/-0.022 χ^2/NDF:168306.7/7

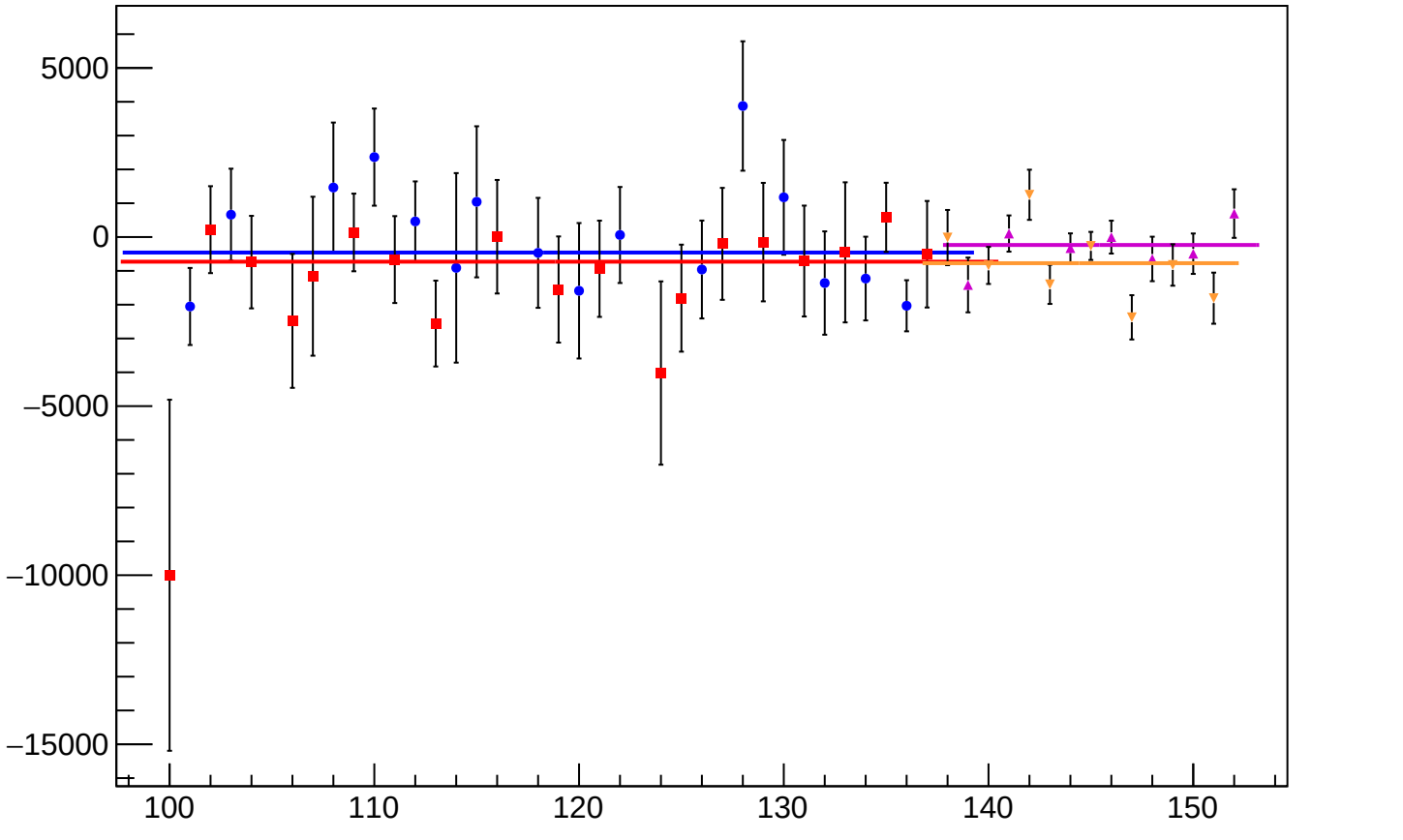
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 74.539+/-0.022 χ^2/NDF:87411.1/6

+ sign 77.789+/-0.015 χ^2/NDF: 622976.0/23

All: 77.763+/-0.011 χ^2/NDF: 1268451.4/49

- sign 77.736+/-0.015 χ^2/NDF: 645469.4/25



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -772.716+/-212.297 χ^2/NDF:18.9/7

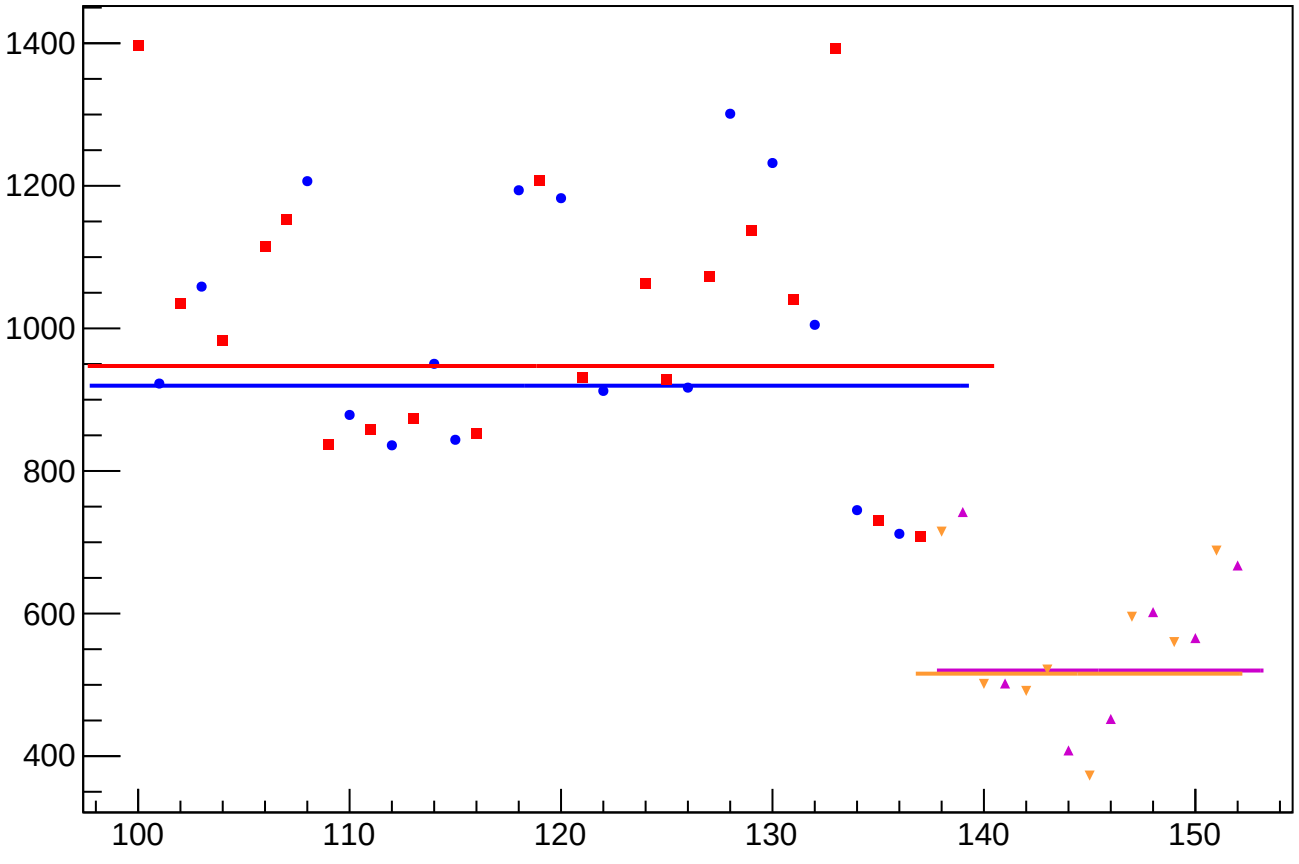
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -234.711+/-215.304 χ^2/NDF:5.1/6

+ sign -688.123+/-181.526 χ^2/NDF: 39.7/23

All: -530.458+/-129.138 χ^2/NDF: 59.3/49

- sign -368.903+/-183.752 χ^2/NDF: 18.0/25



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 515.694+/-0.150 χ^2/NDF:504781.9/7

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

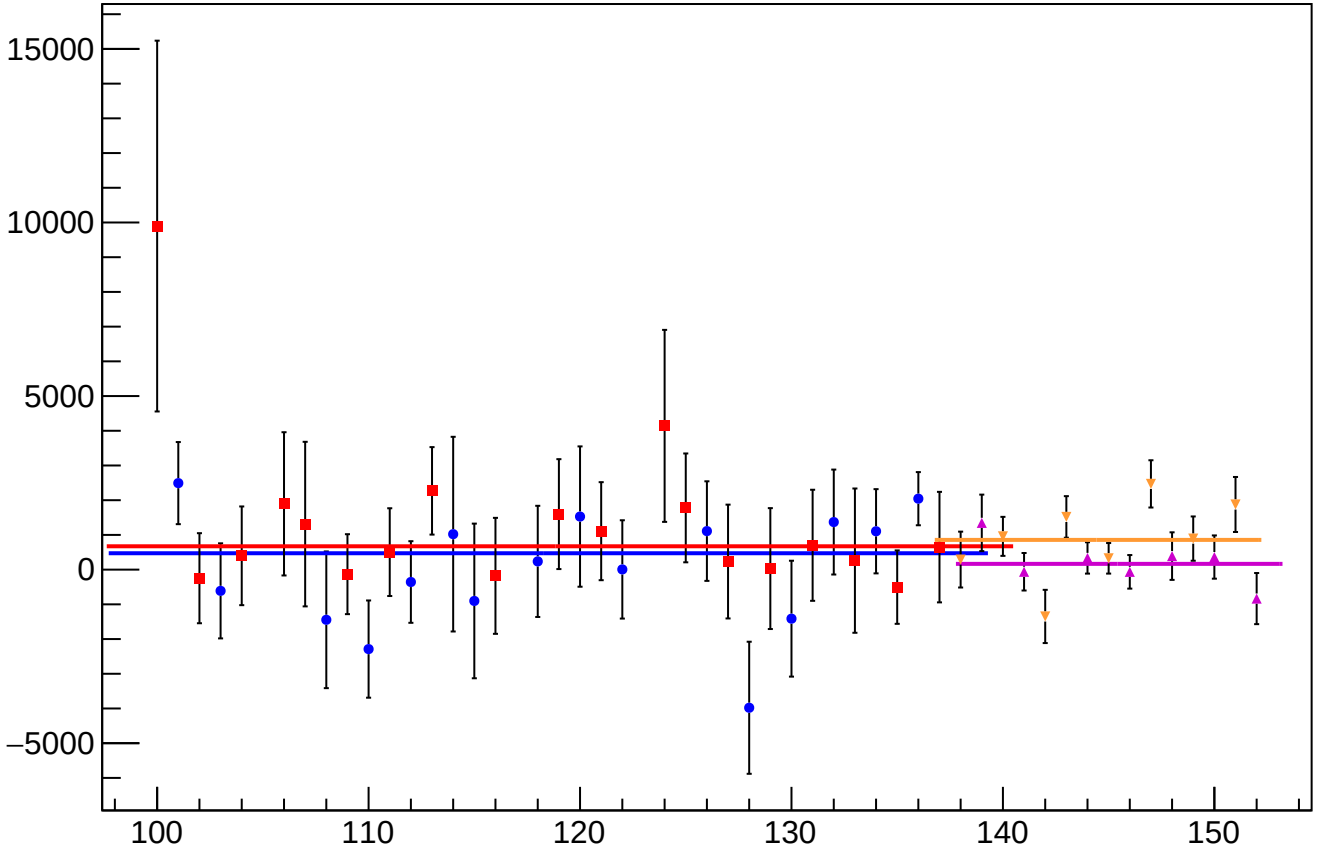
Left In: 520.084+/-0.152 χ^2/NDF:451599.4/6

+ sign 624.305+/-0.128 χ^2/NDF: 2967104.4/23

All: 630.139+/-0.091 χ^2/NDF: 5987021.8/49

- sign 636.117+/-0.130 χ^2/NDF: 3015735.1/25

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 856.479+/-220.474 χ^2/NDF:18.8/7

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

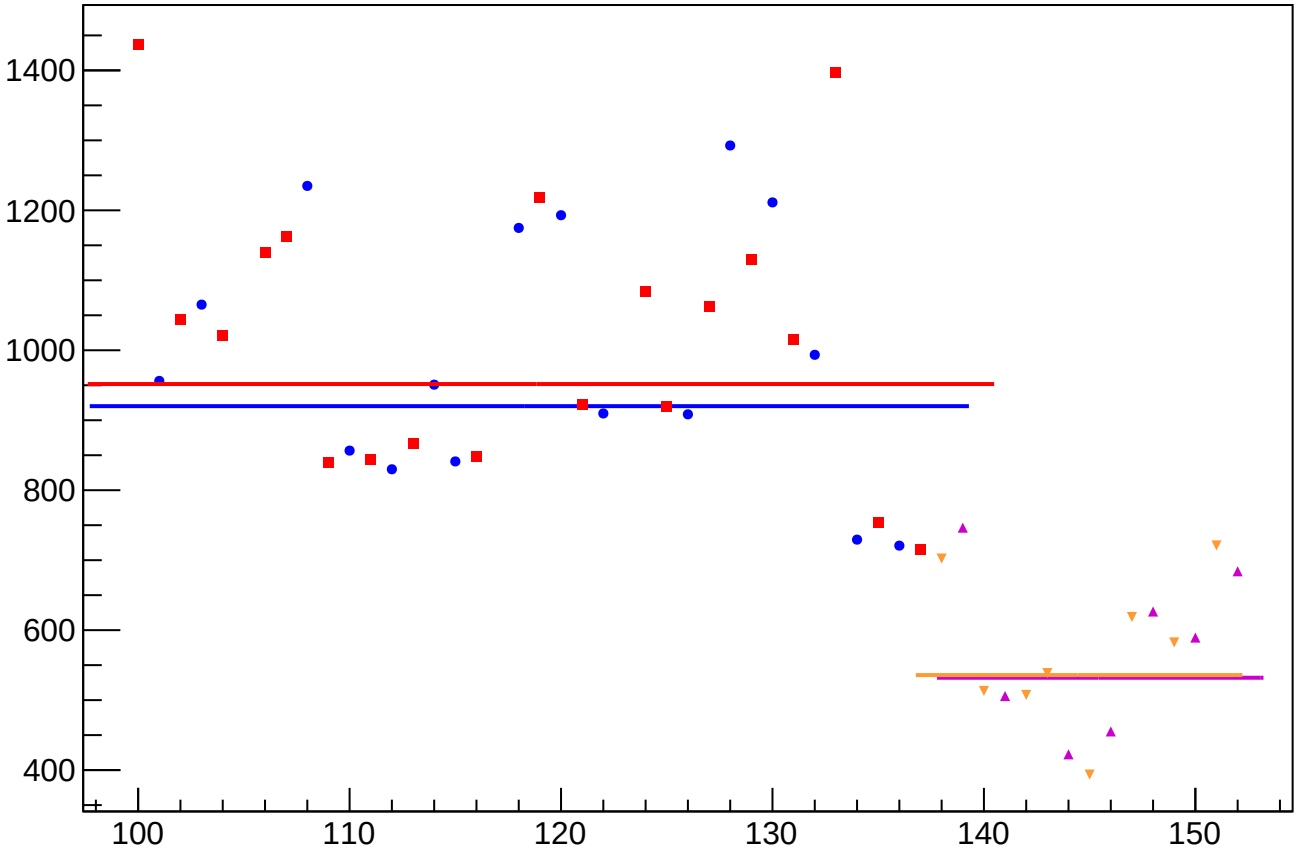
Left In: 166.007+/-219.960 χ^2/NDF:4.7/6

+ sign 747.427+/-186.604 χ^2/NDF: 41.1/23

All: 527.471+/-132.056 χ^2/NDF: 60.4/49

- sign 306.803+/-186.906 χ^2/NDF: 16.5/25

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 535.810+/-0.156 χ^2/NDF:450157.8/7

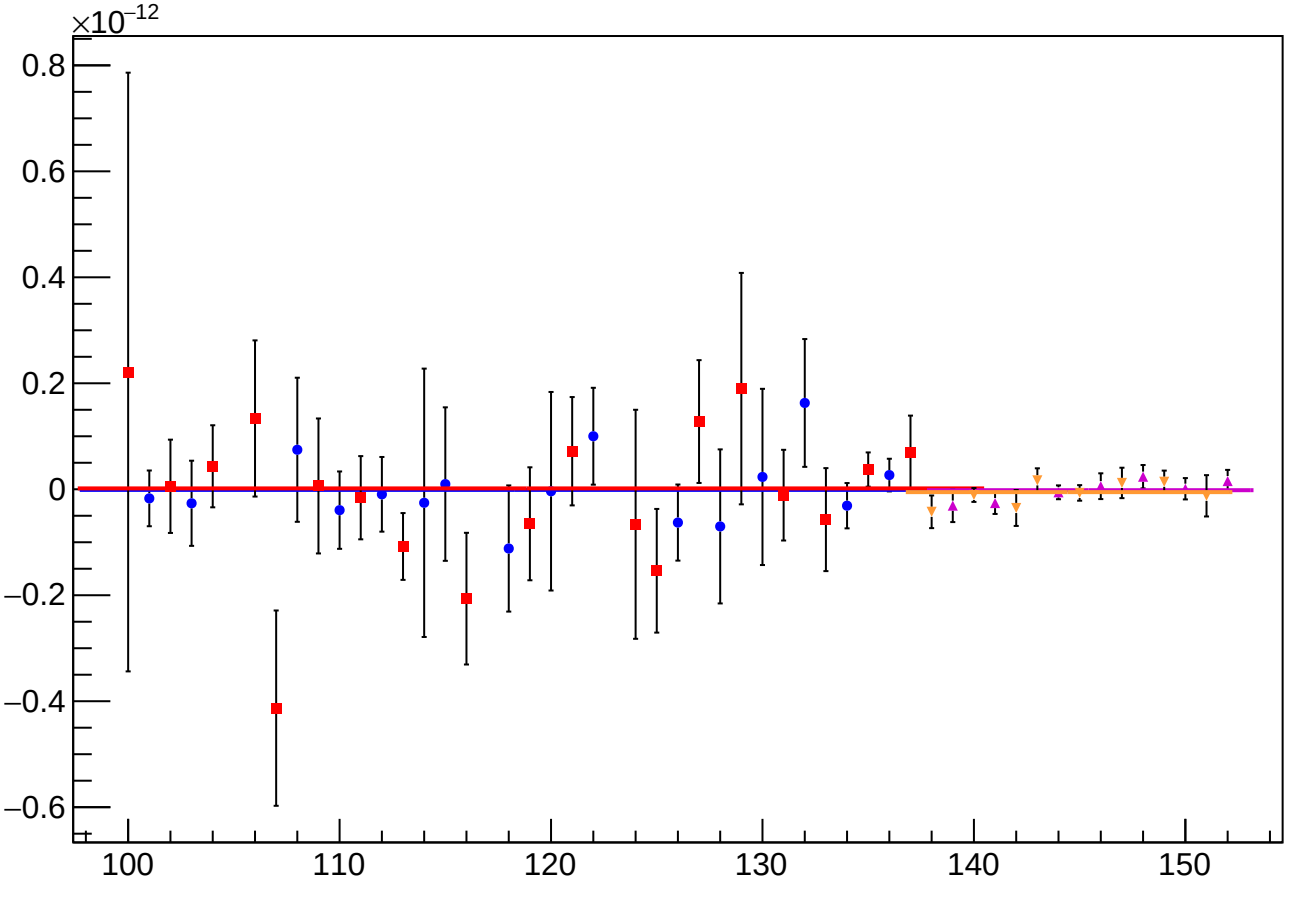
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 531.991+/-0.156 χ^2/NDF:452076.7/6

+ sign 644.819+/-0.132 χ^2/NDF: 2682554.4/23

All: 646.737+/-0.093 χ^2/NDF: 5575486.2/49

- sign 648.662+/-0.132 χ^2/NDF: 2892508.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/7

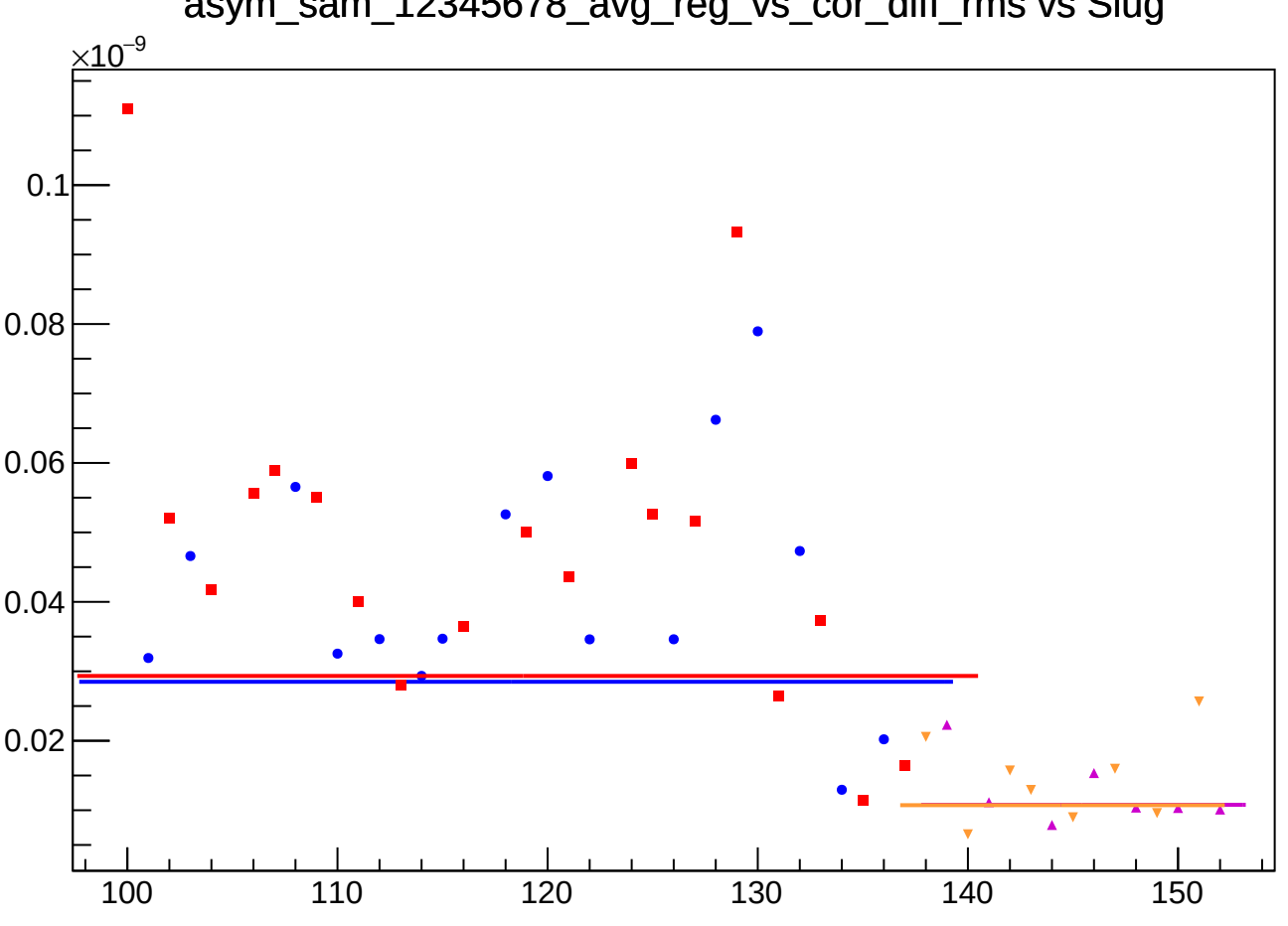
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 11.7/23

All: -0.000+/-0.000 χ^2/NDF: 35.8/49

- sign -0.000+/-0.000 χ^2/NDF: 23.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:865107.7/7

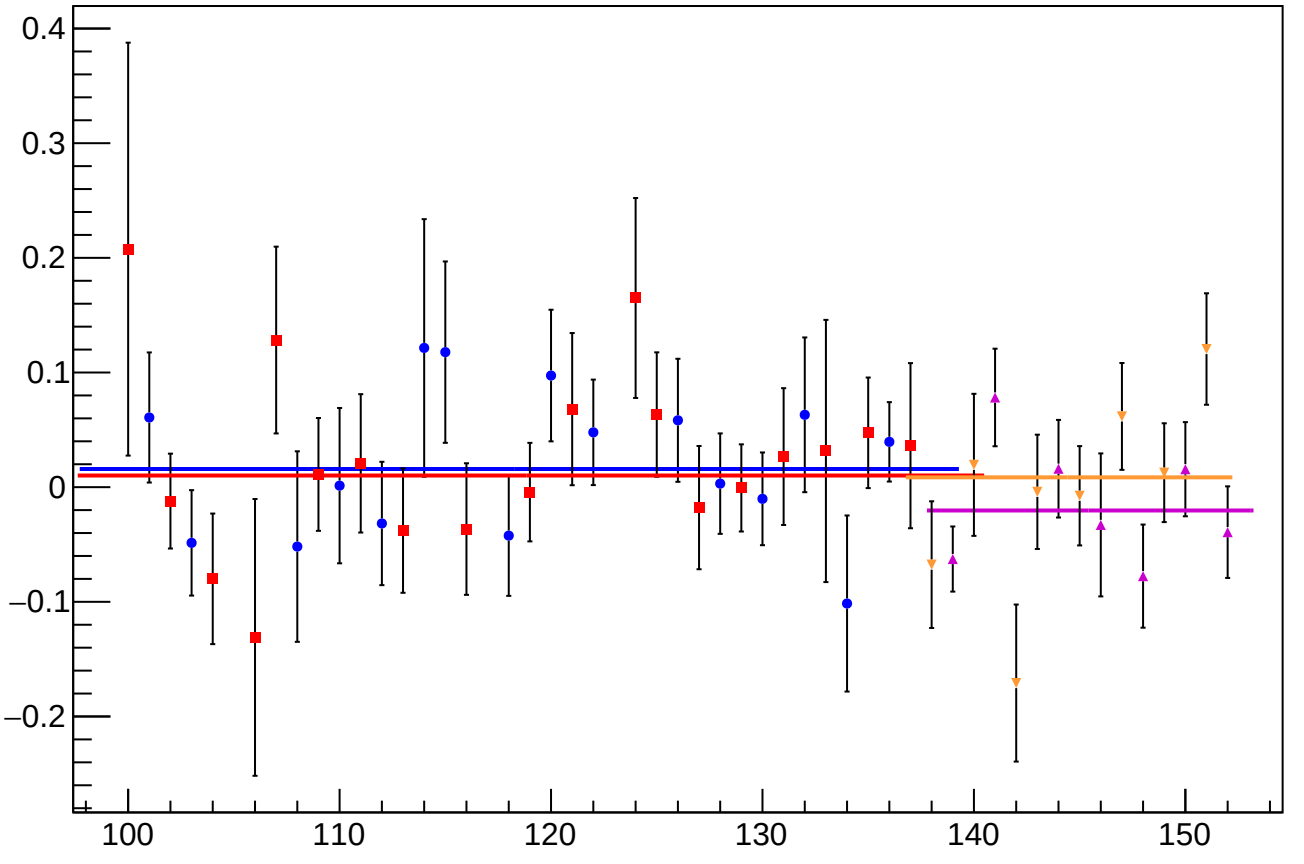
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:449123.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 3734064.7/23

All: 0.000+/-0.000 χ^2/NDF: 7439675.0/49

- sign 0.000+/-0.000 χ^2/NDF: 3705359.5/25



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.018 χ^2/NDF:15.6/7

Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

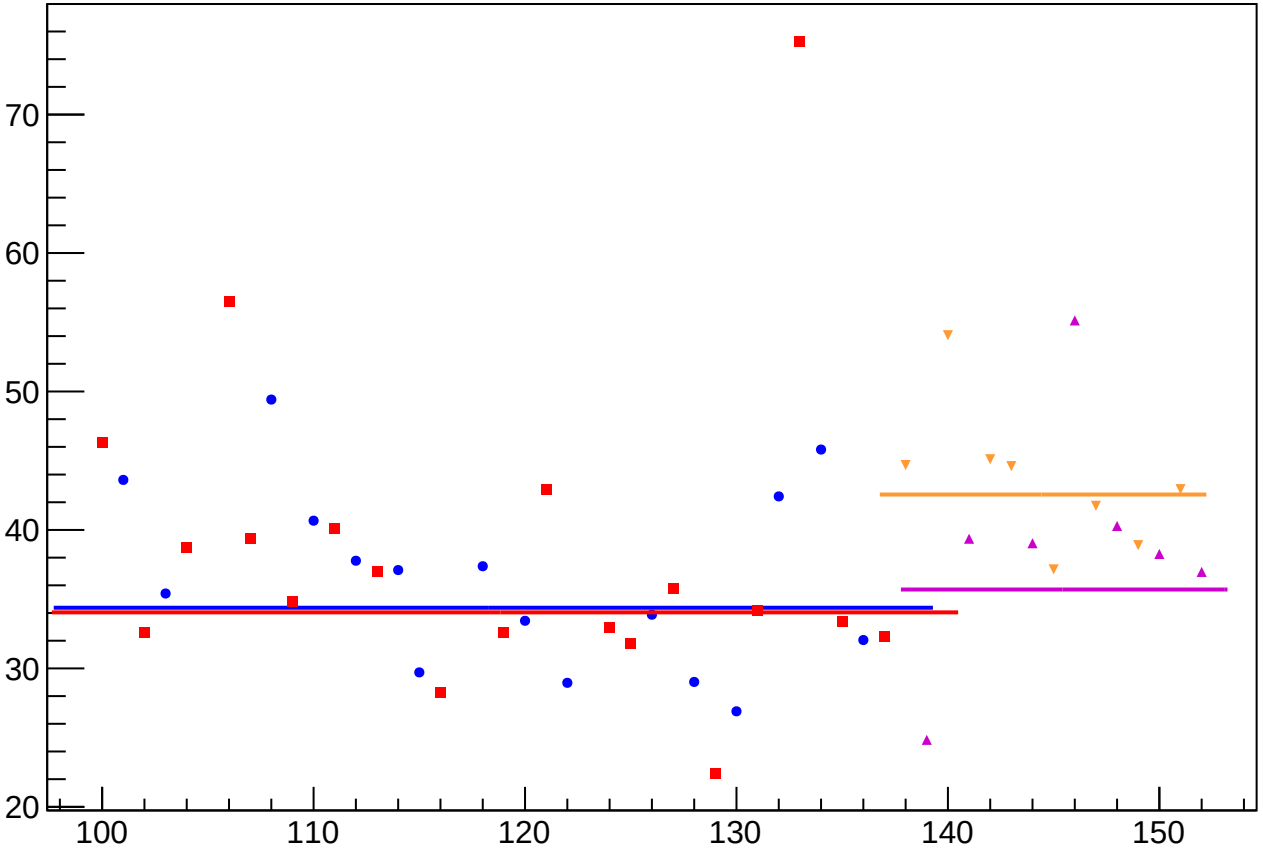
Left In: -0.020+/-0.015 χ^2/NDF:11.0/6

+ sign 0.013+/-0.011 χ^2/NDF: 30.5/23

All: 0.005+/-0.007 χ^2/NDF: 60.1/49

- sign -0.003+/-0.010 χ^2/NDF: 28.4/25

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: 42.558+/-0.013 χ^2/NDF:124436.5/7

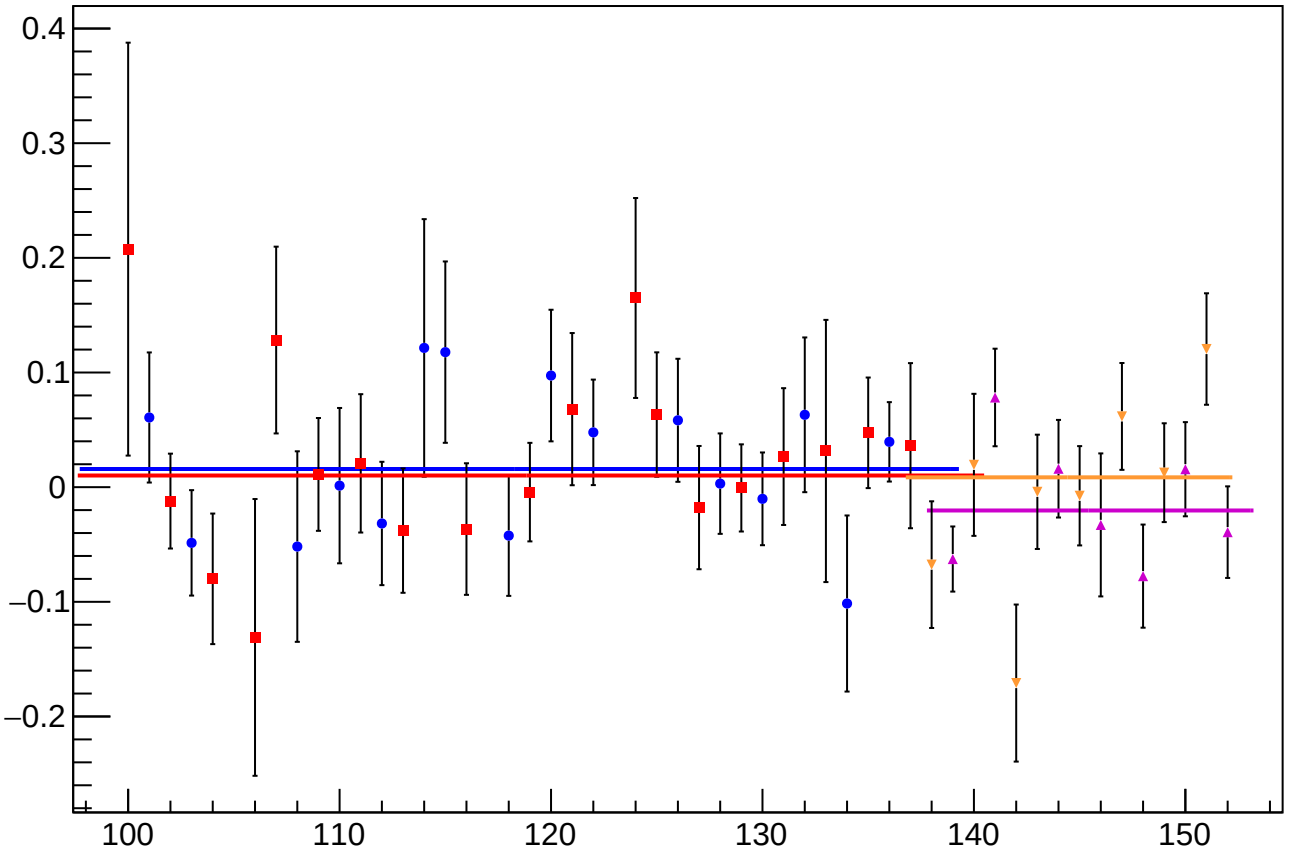
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.698+/-0.011 χ^2/NDF:544427.8/6

+ sign 37.340+/-0.008 χ^2/NDF: 761921.4/23

All: 35.958+/-0.005 χ^2/NDF: 2024855.9/49

- sign 34.756+/-0.007 χ^2/NDF: 1200535.6/25



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.018 χ^2/NDF:15.6/7

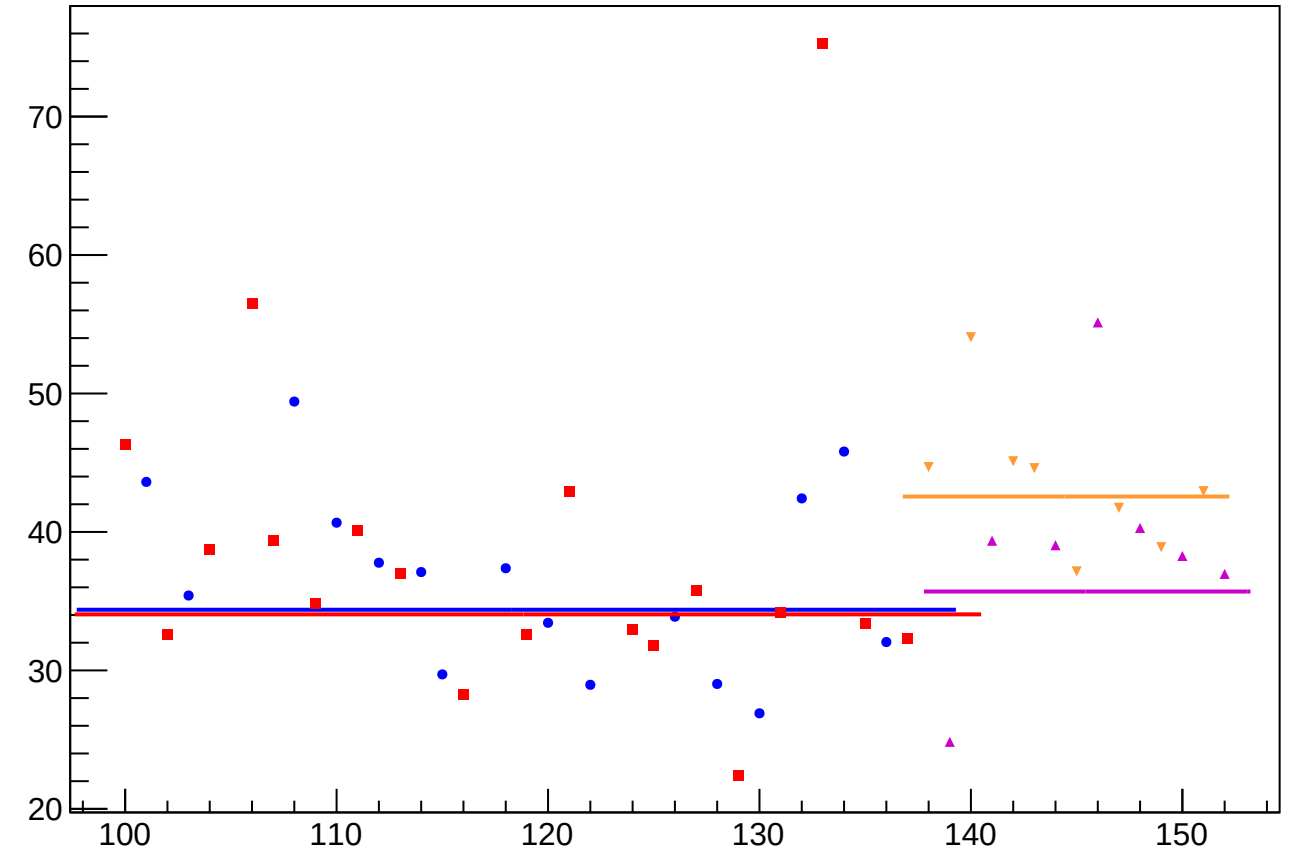
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.020+/-0.015 χ^2/NDF:11.0/6

+ sign 0.013+/-0.011 χ^2/NDF: 30.5/23

All: 0.005+/-0.007 χ^2/NDF: 60.1/49

- sign -0.003+/-0.010 χ^2/NDF: 28.4/25



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 42.558+/-0.013 χ^2/NDF:124436.5/7

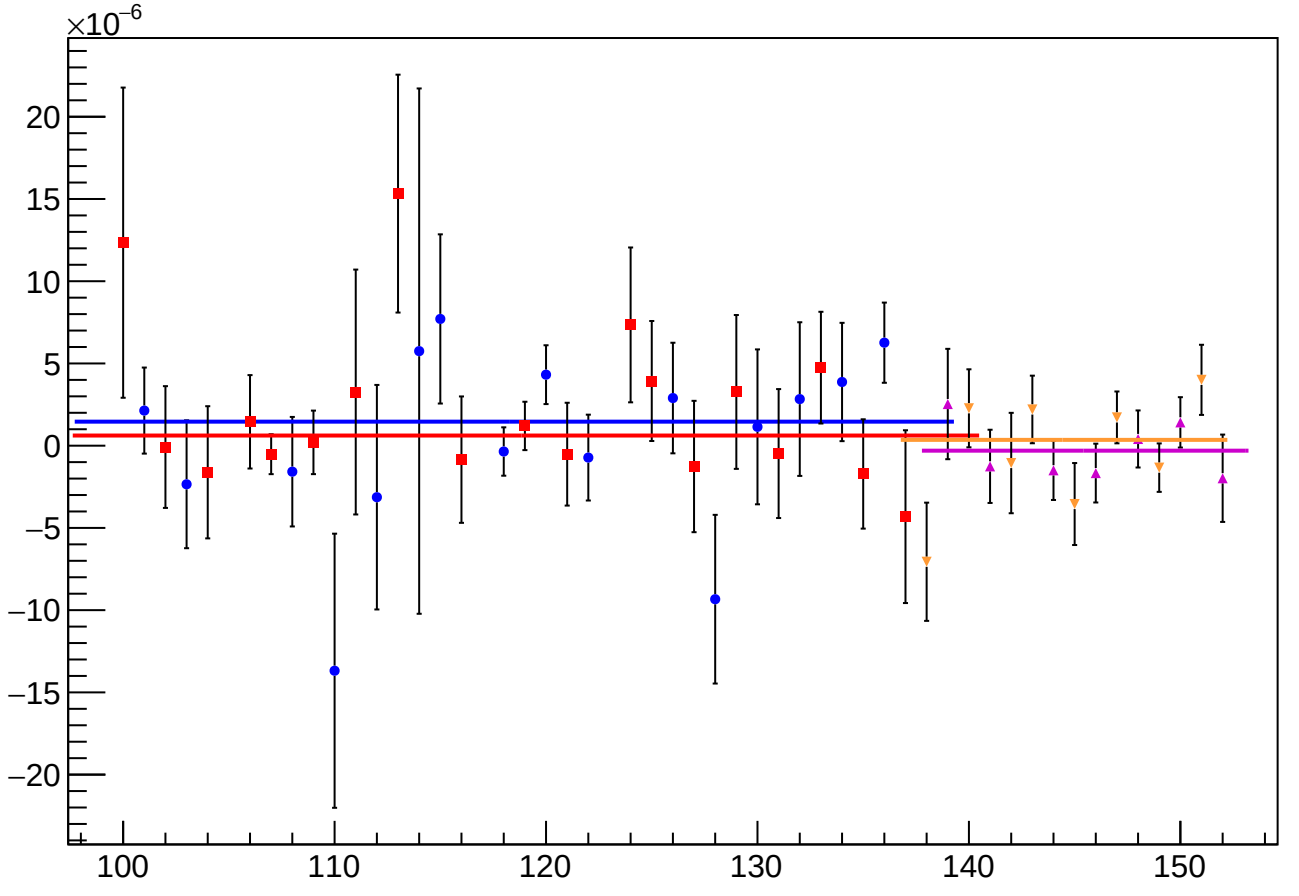
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.698+/-0.011 χ^2/NDF:544427.8/6

+ sign 37.340+/-0.008 χ^2/NDF: 761921.4/23

All: 35.958+/-0.005 χ^2/NDF: 2024855.9/49

- sign 34.756+/-0.007 χ^2/NDF: 1200535.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/7

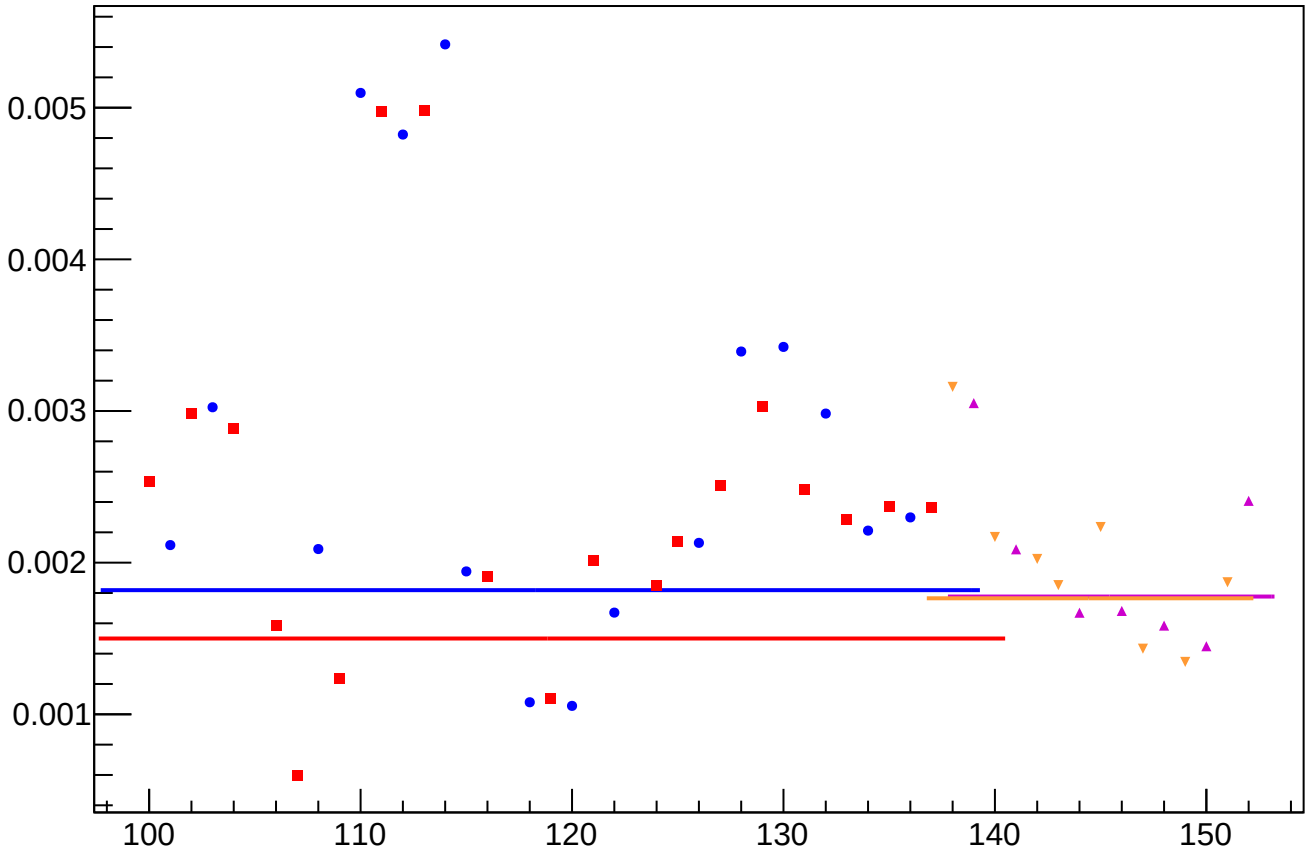
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/23

All: 0.000+/-0.000 χ^2/NDF: 54.9/49

- sign 0.000+/-0.000 χ^2/NDF: 18.6/25



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:704222.7/7

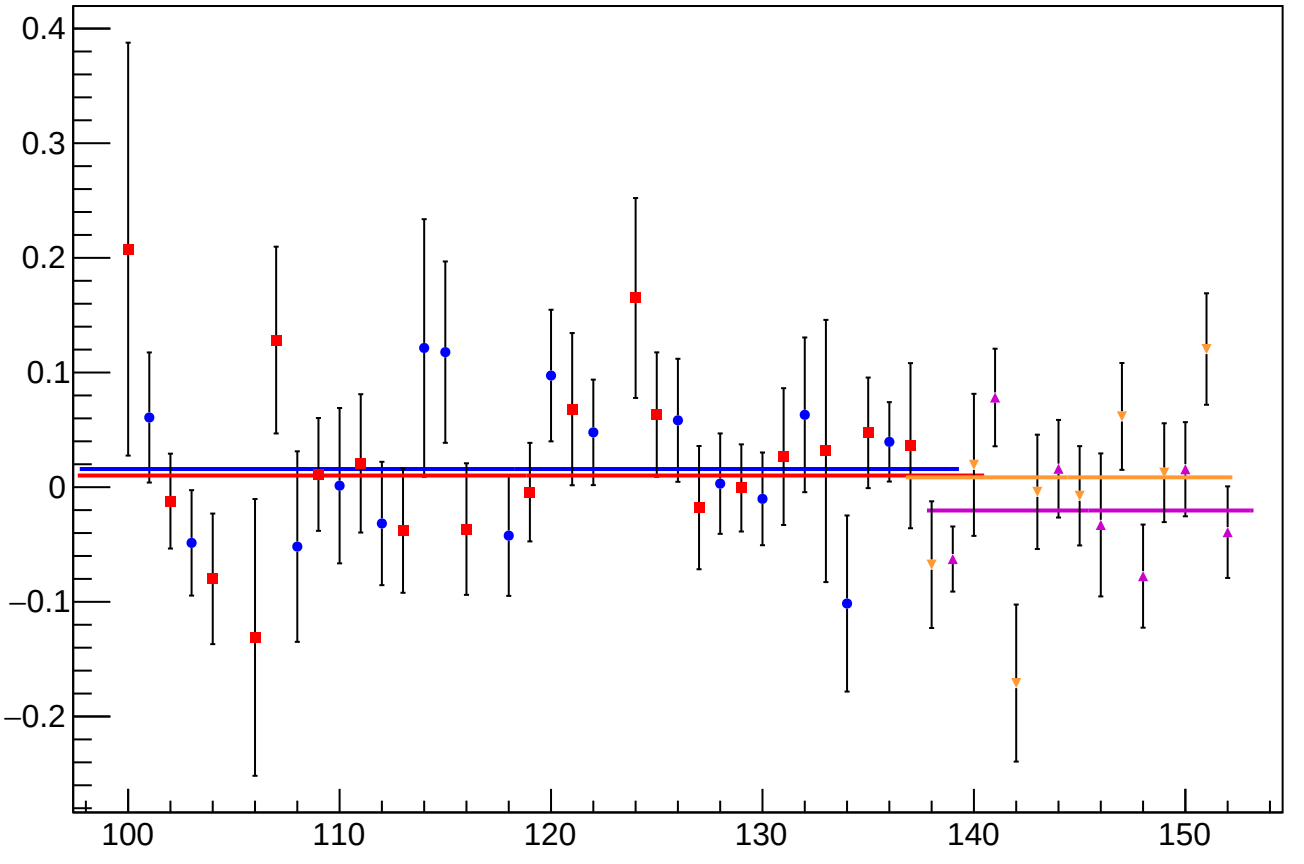
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:569751.1/6

+ sign 0.002+/-0.000 χ^2/NDF: 3279671.1/23

All: 0.002+/-0.000 χ^2/NDF: 7812037.4/49

- sign 0.002+/-0.000 χ^2/NDF: 4417099.1/25



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.018 χ^2/NDF:15.6/7

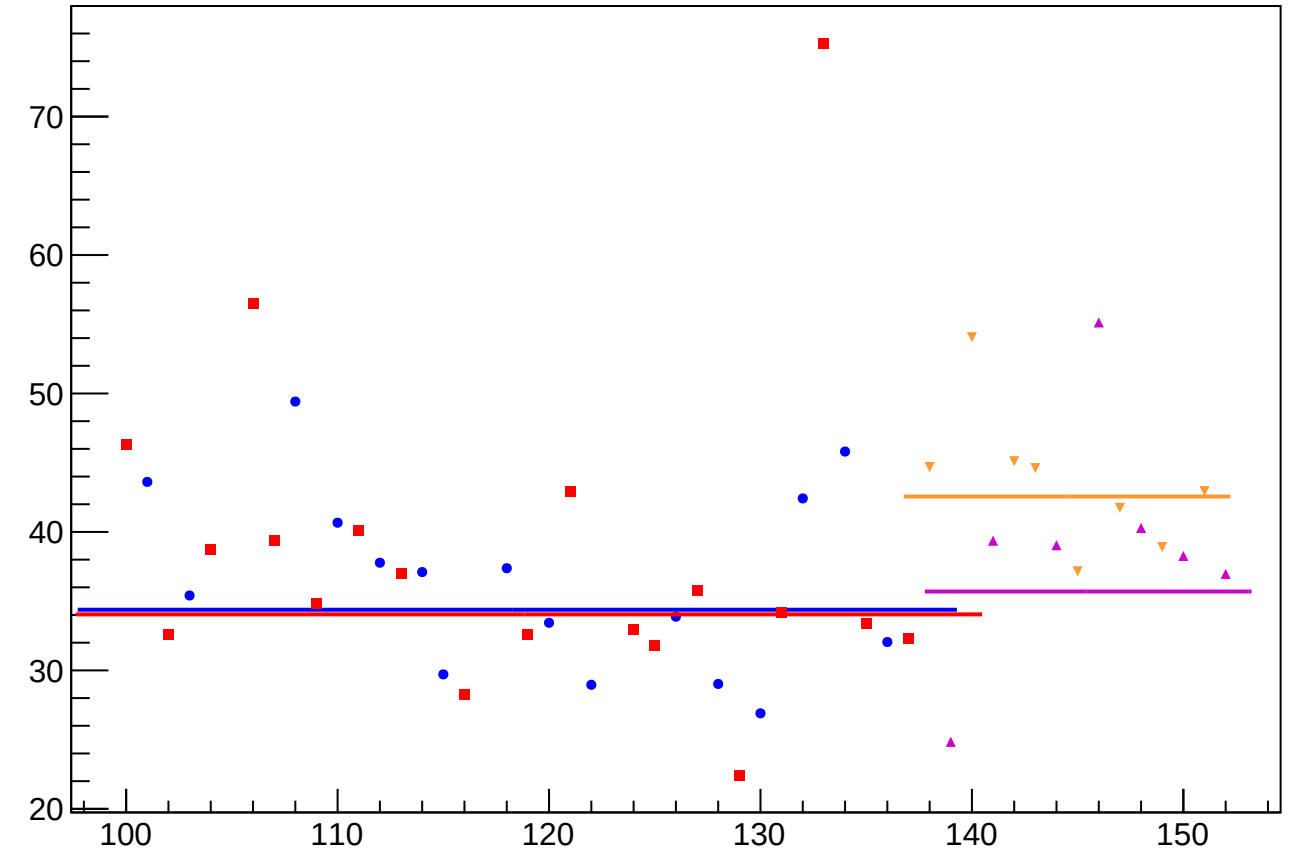
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.020+/-0.015 χ^2/NDF:11.0/6

+ sign 0.013+/-0.011 χ^2/NDF: 30.5/23

All: 0.005+/-0.007 χ^2/NDF: 60.1/49

- sign -0.003+/-0.010 χ^2/NDF: 28.4/25



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 42.559+/-0.013 χ^2/NDF:124425.2/7

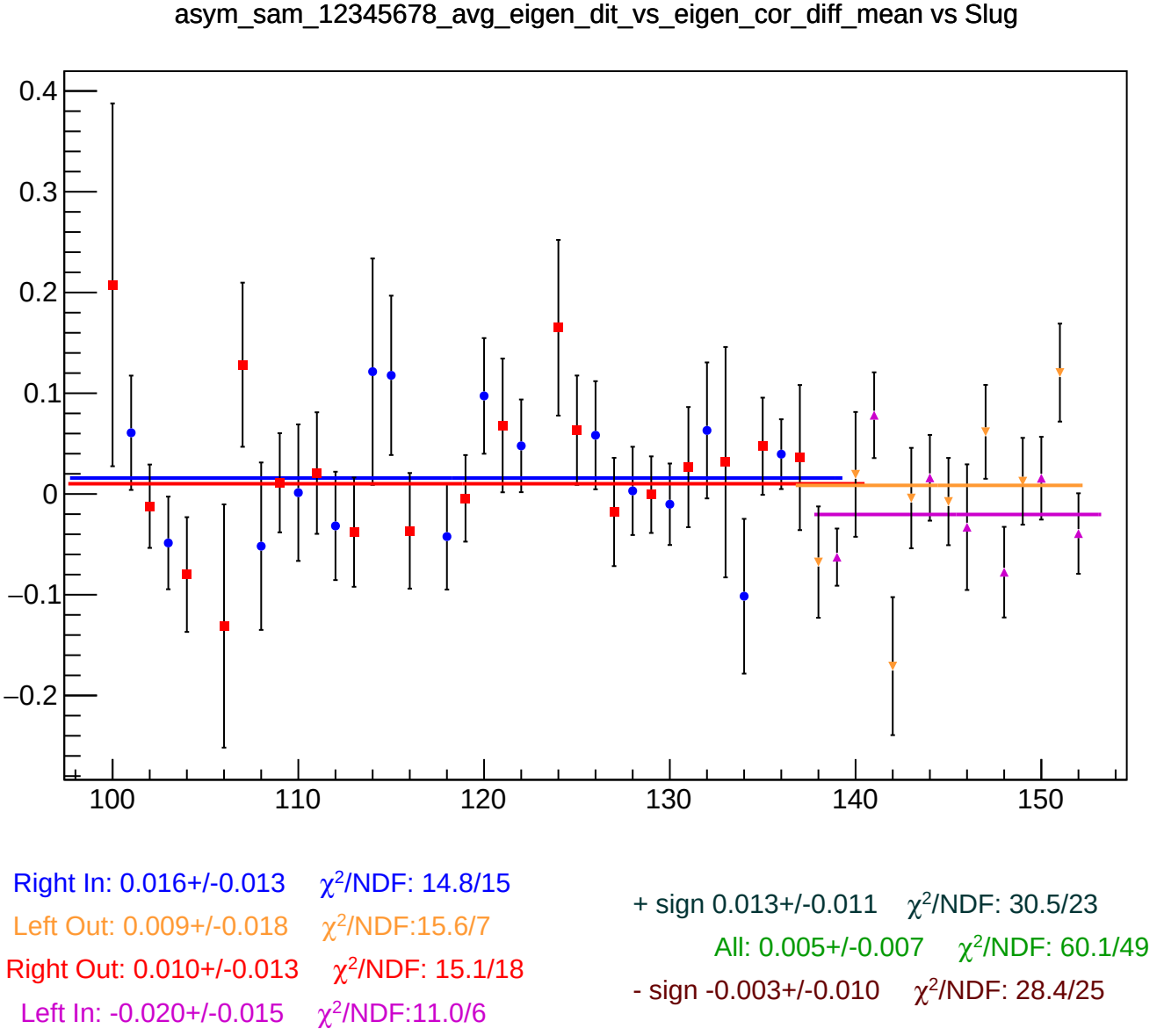
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

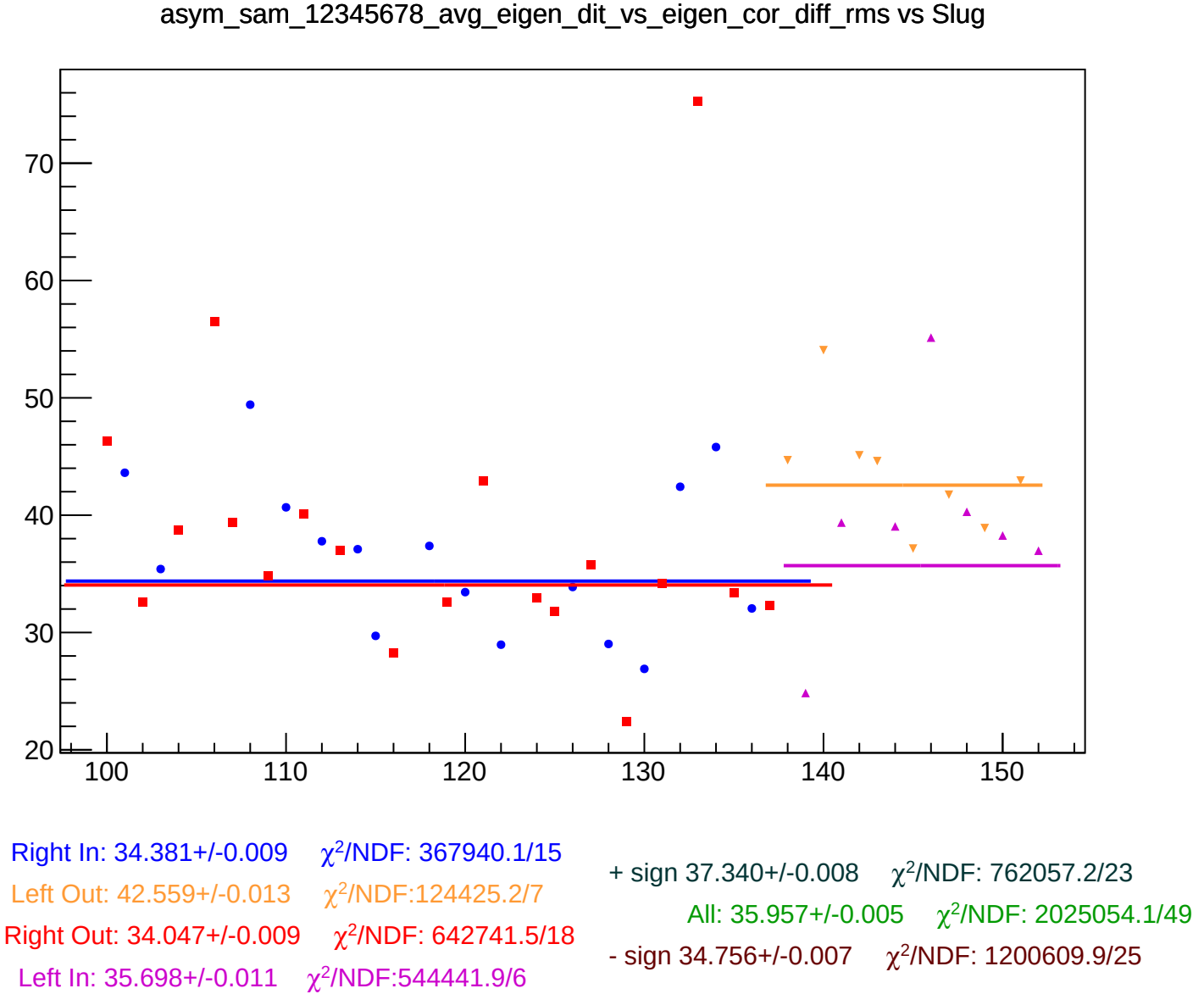
Left In: 35.698+/-0.011 χ^2/NDF:544441.9/6

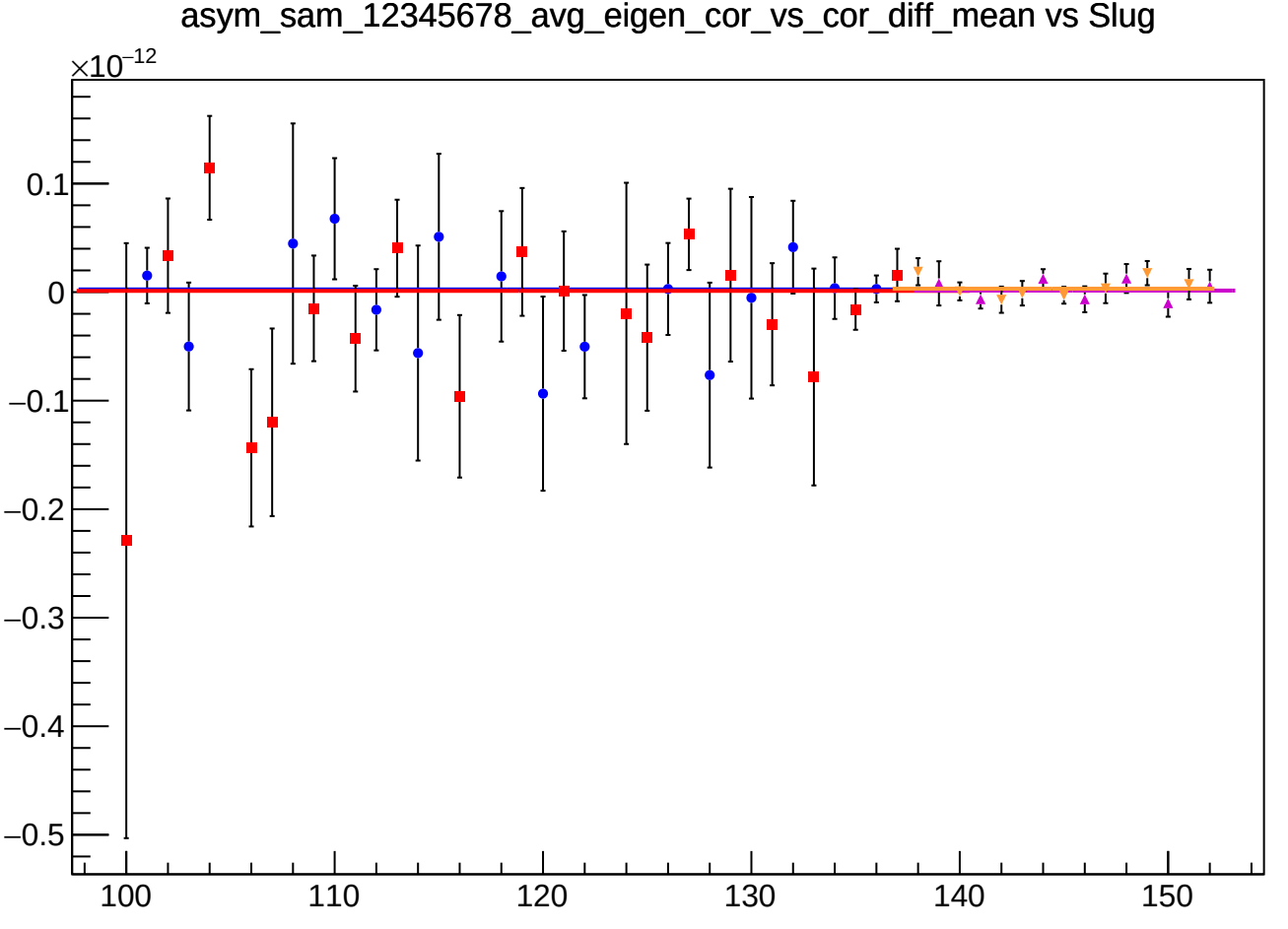
+ sign 37.340+/-0.008 χ^2/NDF: 762057.2/23

All: 35.957+/-0.005 χ^2/NDF: 2025054.1/49

- sign 34.756+/-0.007 χ^2/NDF: 1200609.9/25


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+/-0.018 χ²/NDF:15.6/7
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.020+/-0.015 χ²/NDF:11.0/6
+ sign 0.013+/-0.011 χ²/NDF: 30.5/23
All: 0.005+/-0.007 χ²/NDF: 60.1/49
- sign -0.003+/-0.010 χ²/NDF: 28.4/25


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 42.559+/-0.013 χ²/NDF:124425.2/7
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 35.698+/-0.011 χ²/NDF:544441.9/6
+ sign 37.340+/-0.008 χ²/NDF: 762057.2/23
All: 35.957+/-0.005 χ²/NDF: 2025054.1/49
- sign 34.756+/-0.007 χ²/NDF: 1200609.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.9/7

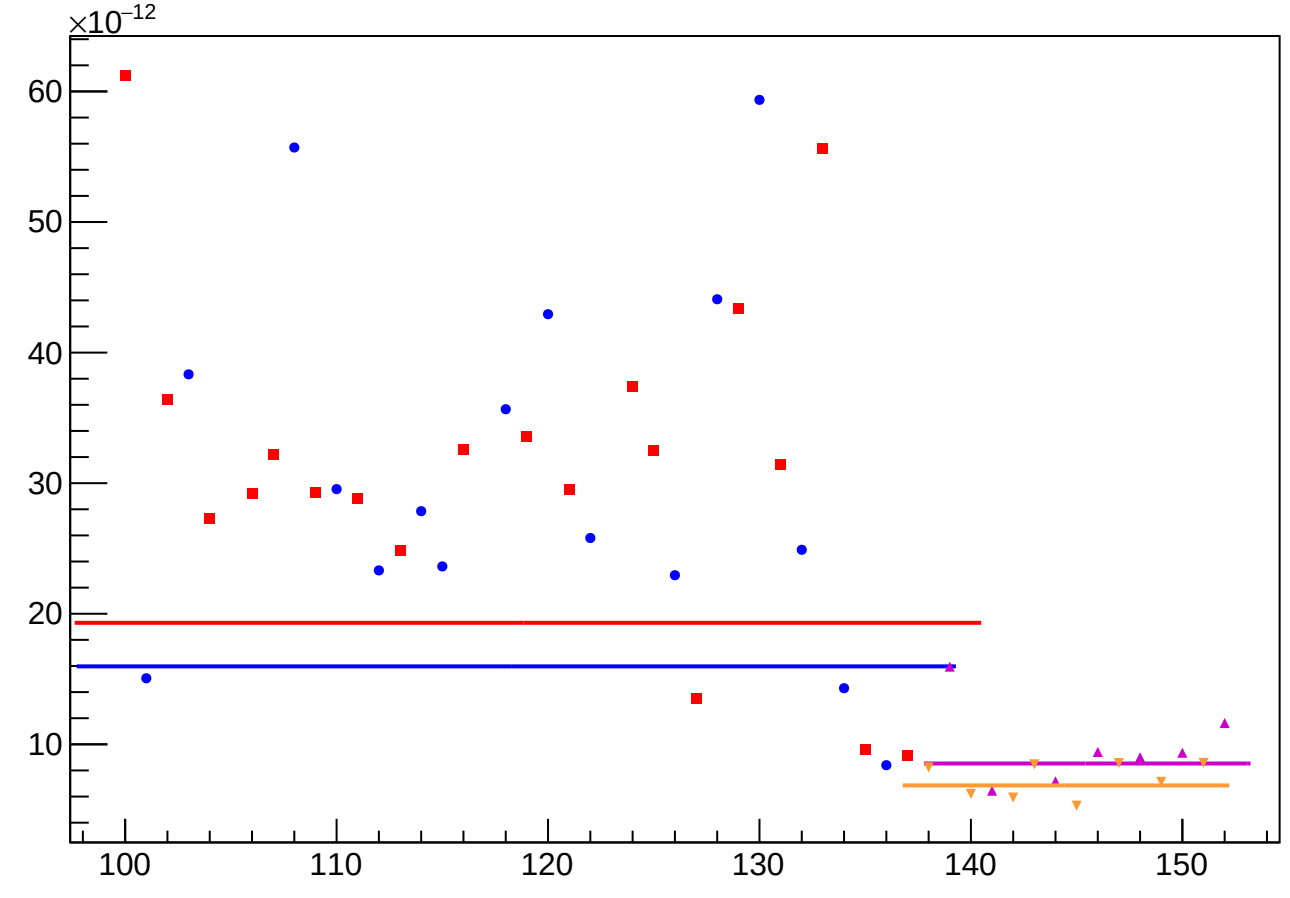
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:4.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 12.5/23

All: 0.000+/-0.000 χ^2/NDF: 38.7/49

- sign 0.000+/-0.000 χ^2/NDF: 26.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:232711.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

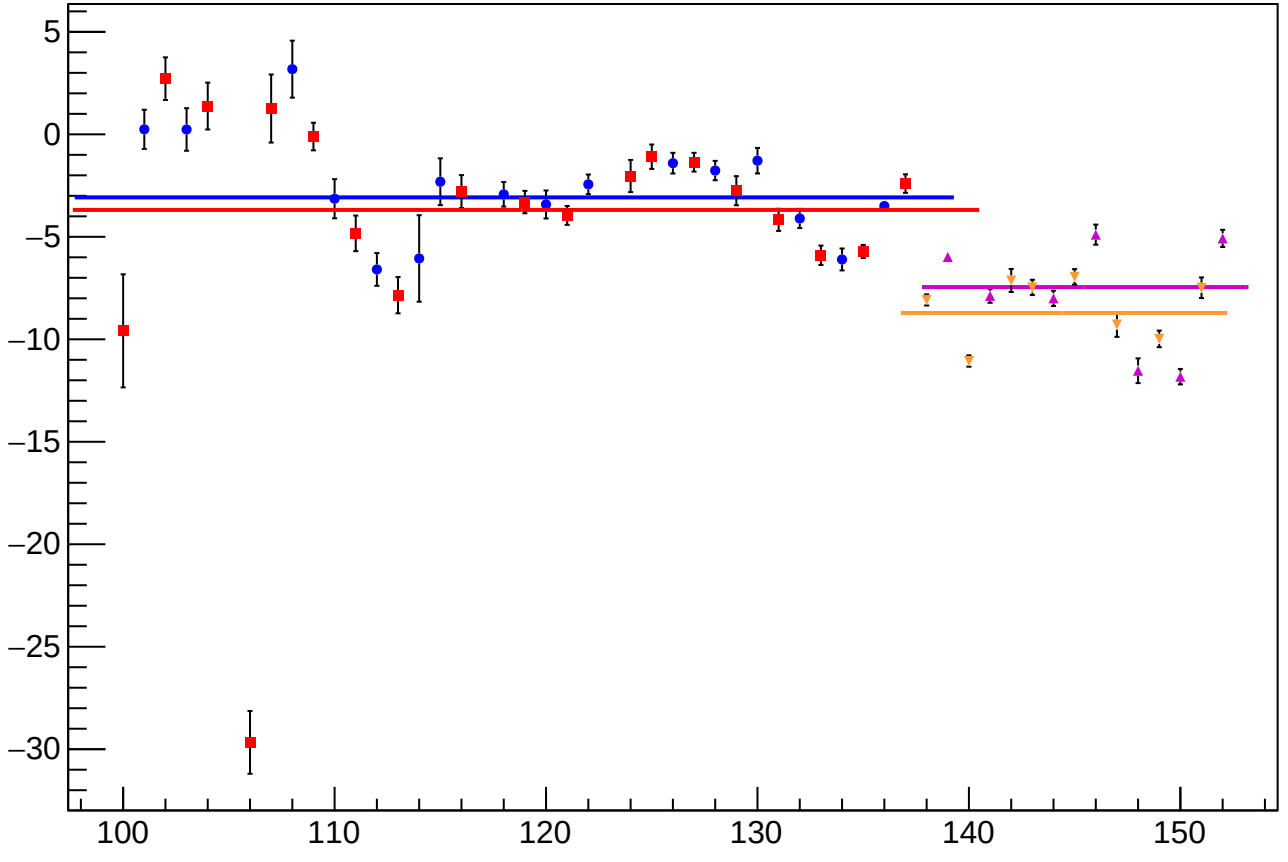
Left In: 0.000+/-0.000 χ^2/NDF:534321.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 4899069.1/23

All: 0.000+/-0.000 χ^2/NDF: 10021785.5/49

- sign 0.000+/-0.000 χ^2/NDF: 4858690.3/25

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.714+/-0.133 χ^2/NDF:134.4/7

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

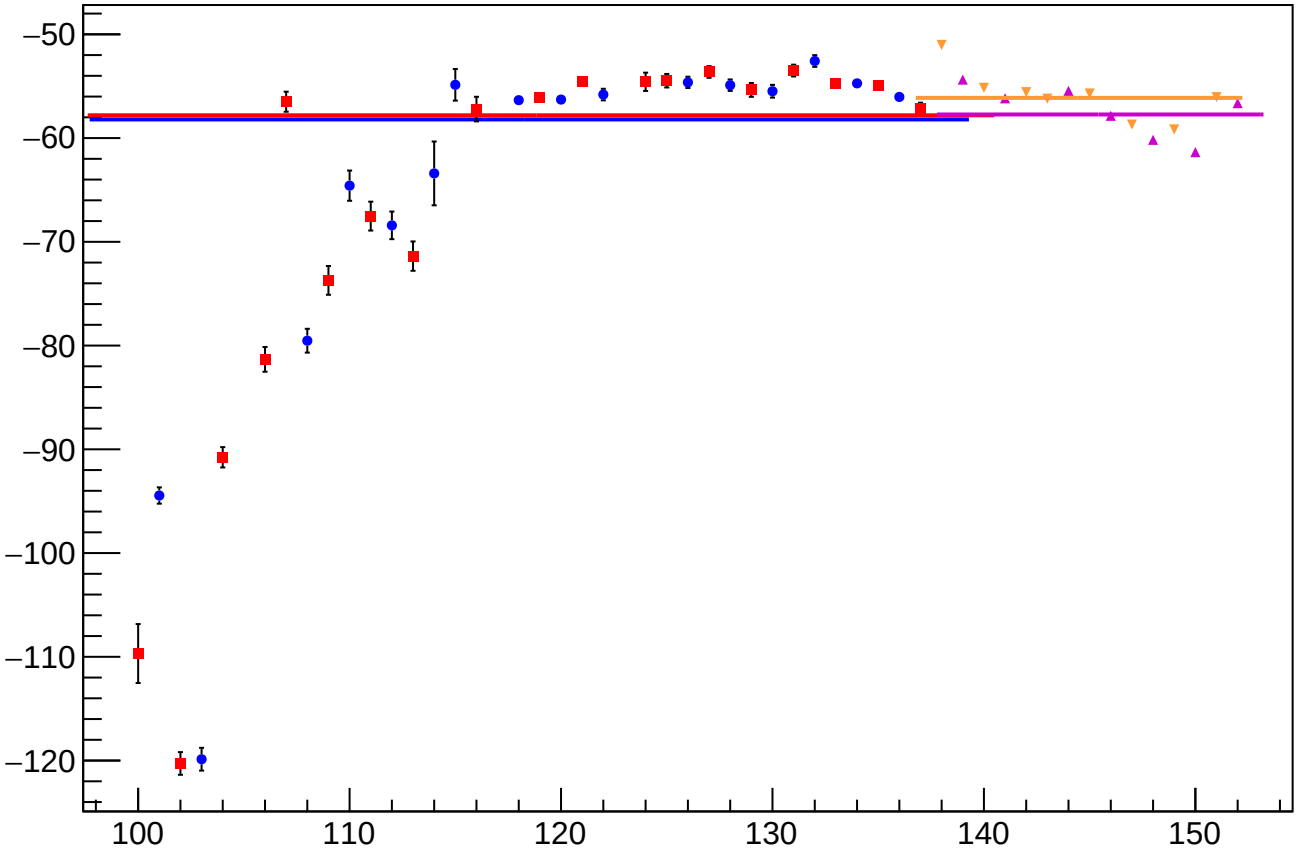
Left In: -7.451+/-0.138 χ^2/NDF:280.8/6

+ sign -5.948+/-0.095 χ^2/NDF: 1153.2/23

All: -5.782+/-0.068 χ^2/NDF: 2342.2/49

- sign -5.603+/-0.098 χ^2/NDF: 1182.6/25

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -56.125+/-0.101 χ^2/NDF:507.3/7

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

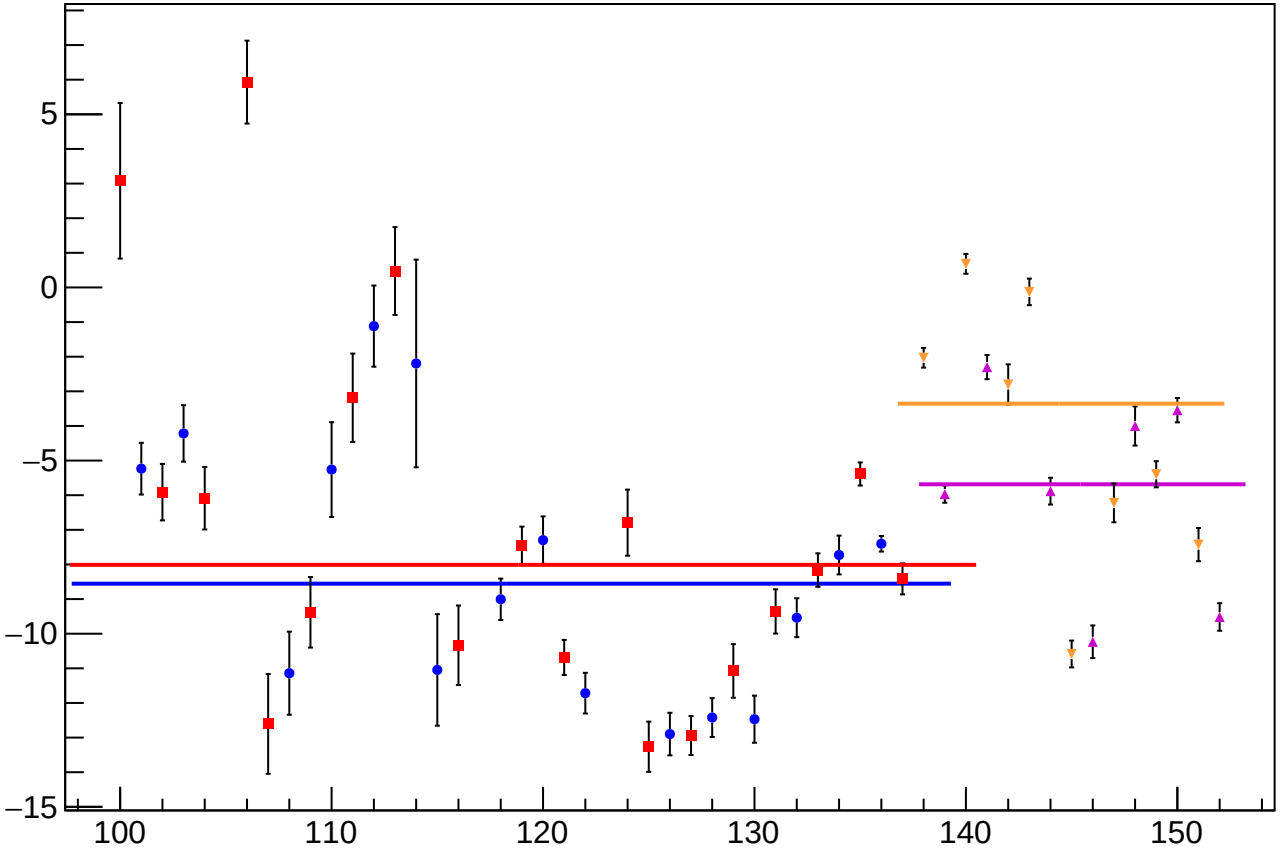
Left In: -57.726+/-0.109 χ^2/NDF:452.3/6

+ sign -56.865+/-0.081 χ^2/NDF: 6785.8/23

All: -57.285+/-0.059 χ^2/NDF: 13088.1/49

- sign -57.756+/-0.086 χ^2/NDF: 6245.2/25

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -3.356+/-0.134 χ^2/NDF:770.4/7

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

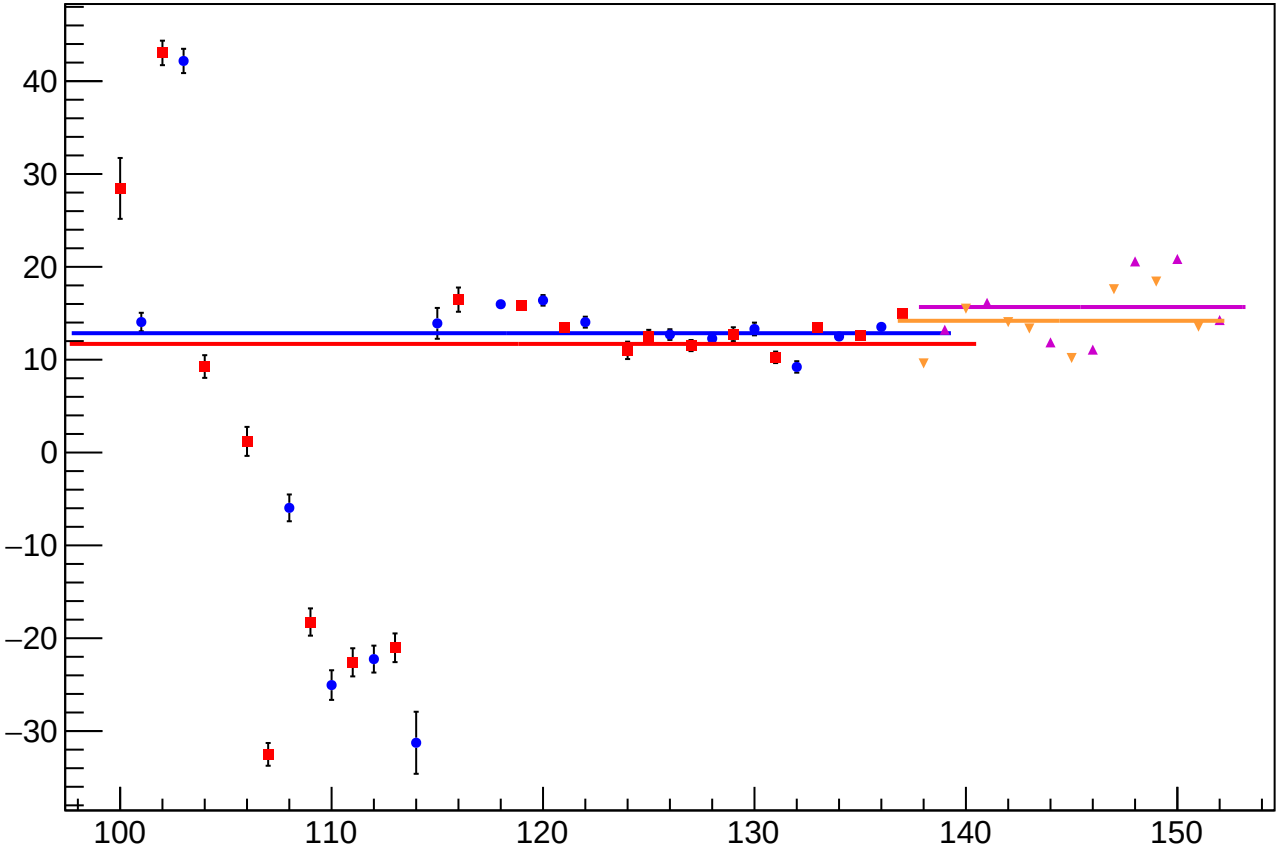
Left In: -5.685+/-0.138 χ^2/NDF:326.8/6

+ sign -5.756+/-0.098 χ^2/NDF: 1766.0/23

All: -6.221+/-0.071 χ^2/NDF: 2756.7/49

- sign -6.725+/-0.102 χ^2/NDF: 944.1/25

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 14.190+/-0.121 χ^2/NDF:597.1/7

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

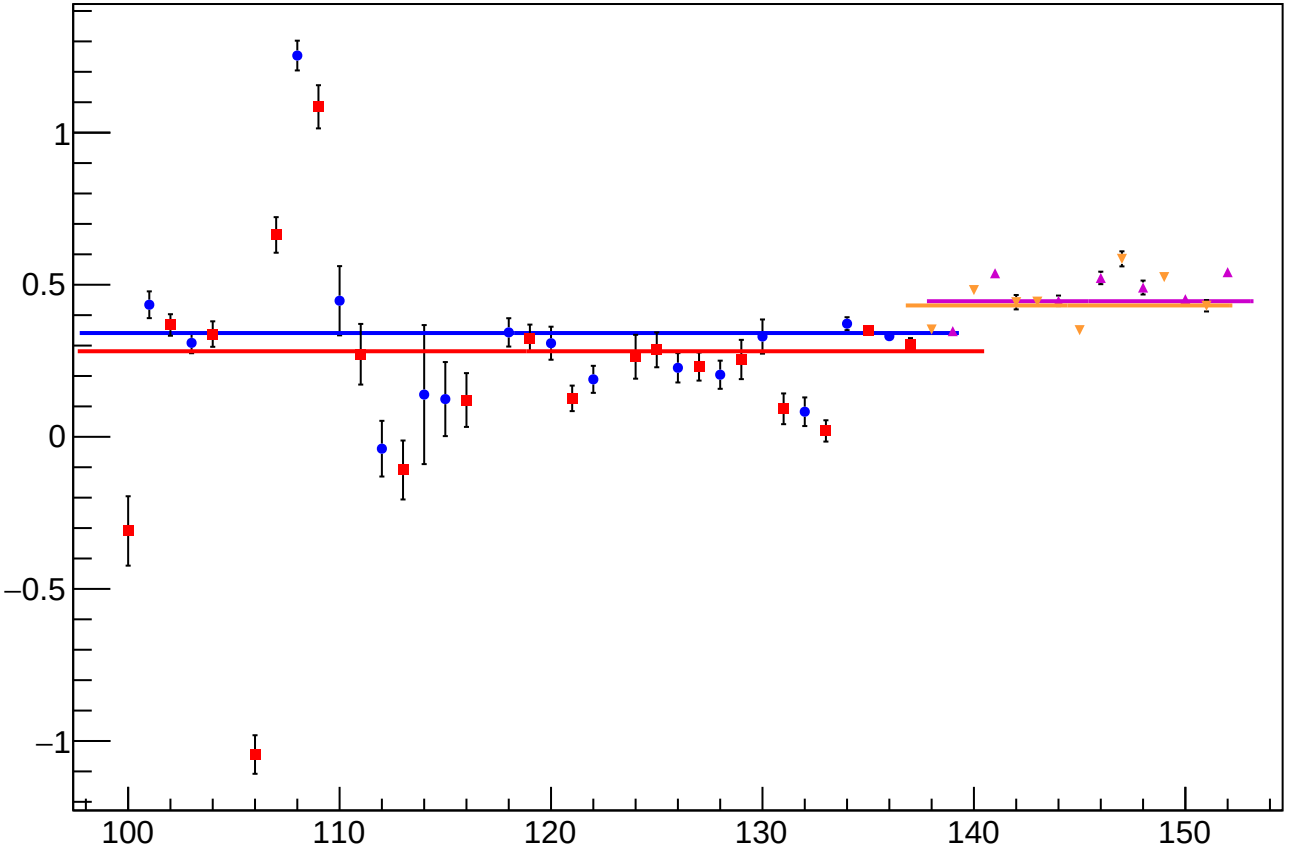
Left In: 15.673+/-0.129 χ^2/NDF:800.3/6

+ sign 13.665+/-0.094 χ^2/NDF: 2773.5/23

All: 13.850+/-0.068 χ^2/NDF: 7470.0/49

- sign 14.054+/-0.099 χ^2/NDF: 4688.3/25

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.432+/-0.005 χ^2/NDF:170.1/7

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

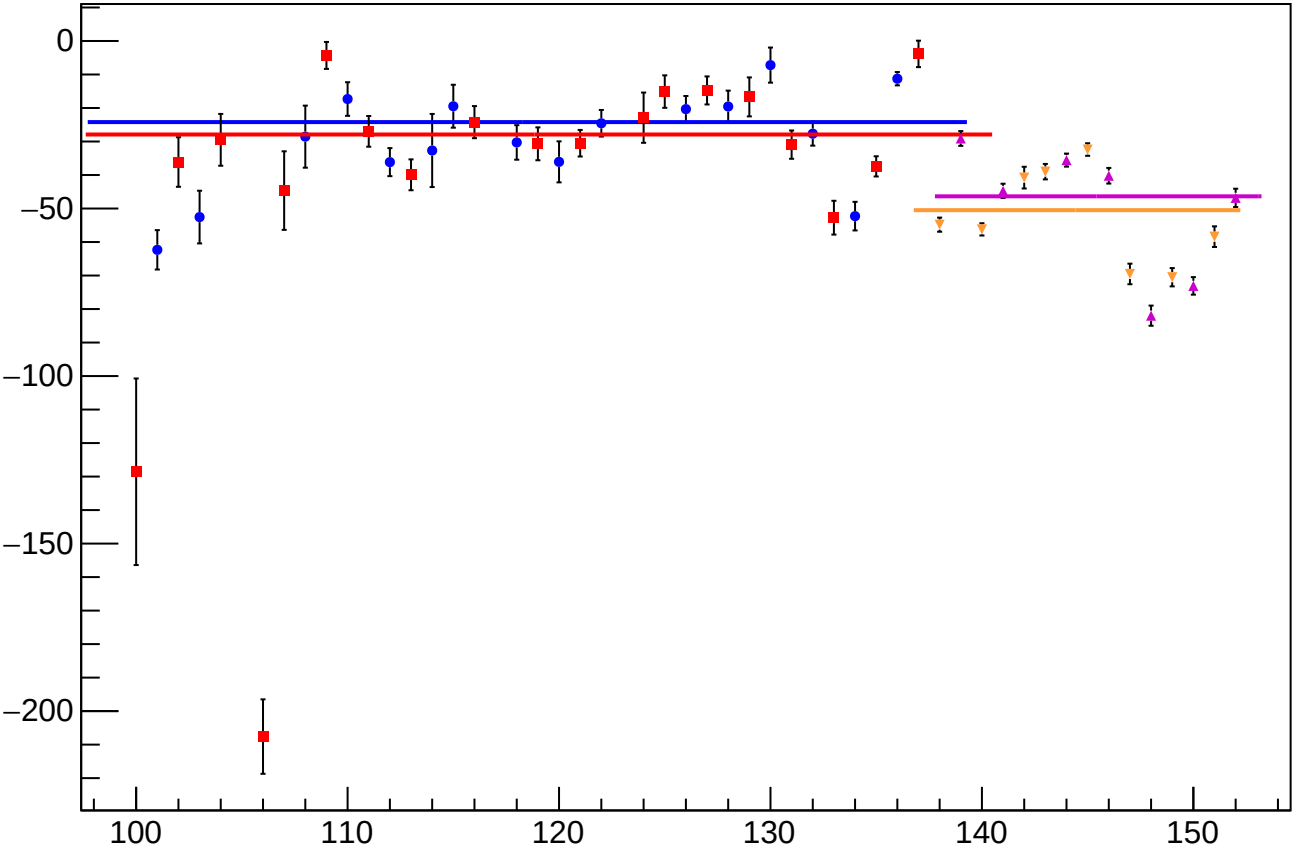
Left In: 0.446+/-0.005 χ^2/NDF:226.6/6

+ sign 0.402+/-0.005 χ^2/NDF: 694.0/23

All: 0.401+/-0.003 χ^2/NDF: 1968.2/49

- sign 0.399+/-0.005 χ^2/NDF: 1273.9/25

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -50.491+/-0.835 χ^2/NDF:239.7/7

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

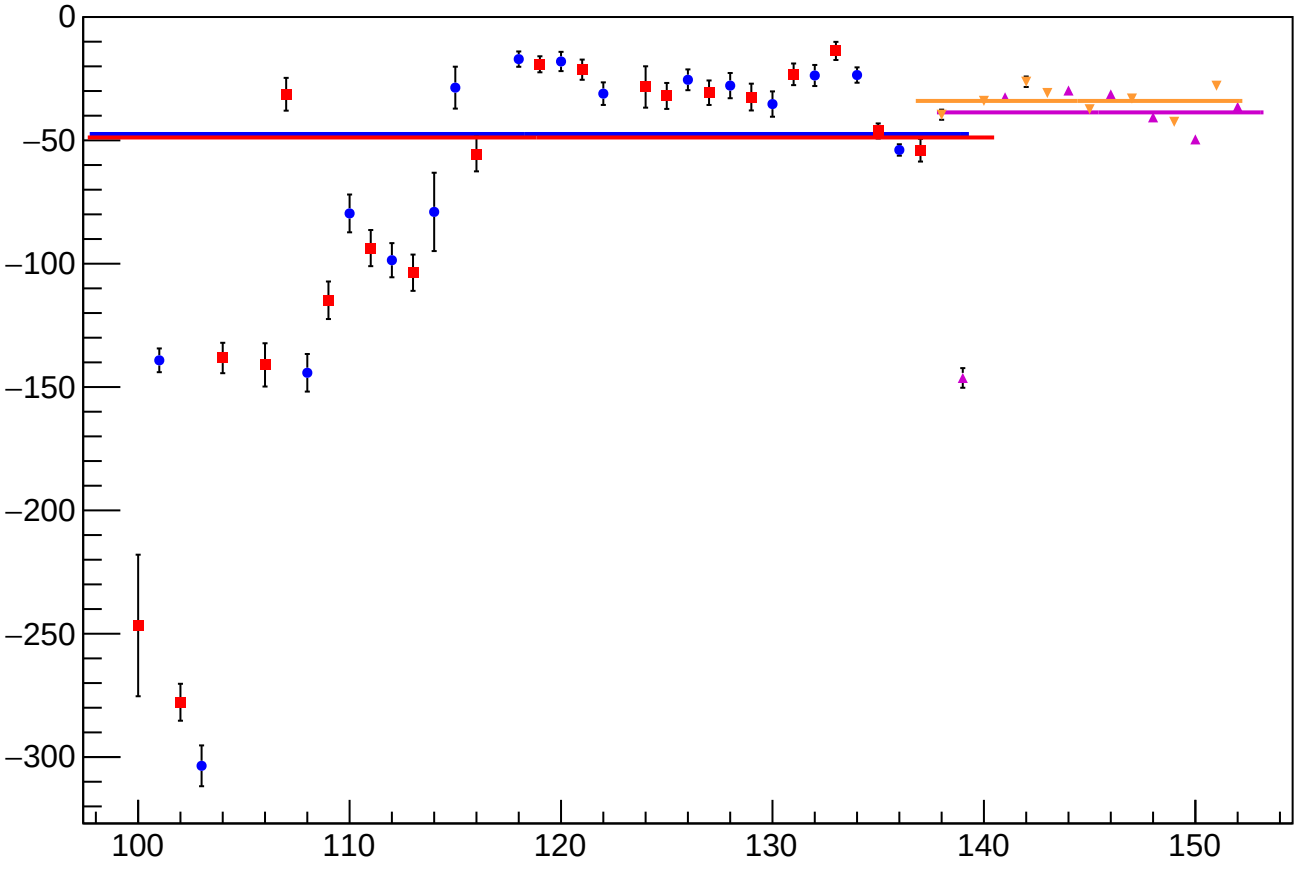
Left In: -46.360+/-0.889 χ^2/NDF:344.5/6

+ sign -40.736+/-0.662 χ^2/NDF: 778.6/23

All: -40.085+/-0.481 χ^2/NDF: 1702.0/49

- sign -39.357+/-0.700 χ^2/NDF: 921.4/25

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -34.015+/-0.591 χ^2/NDF:67.1/7

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

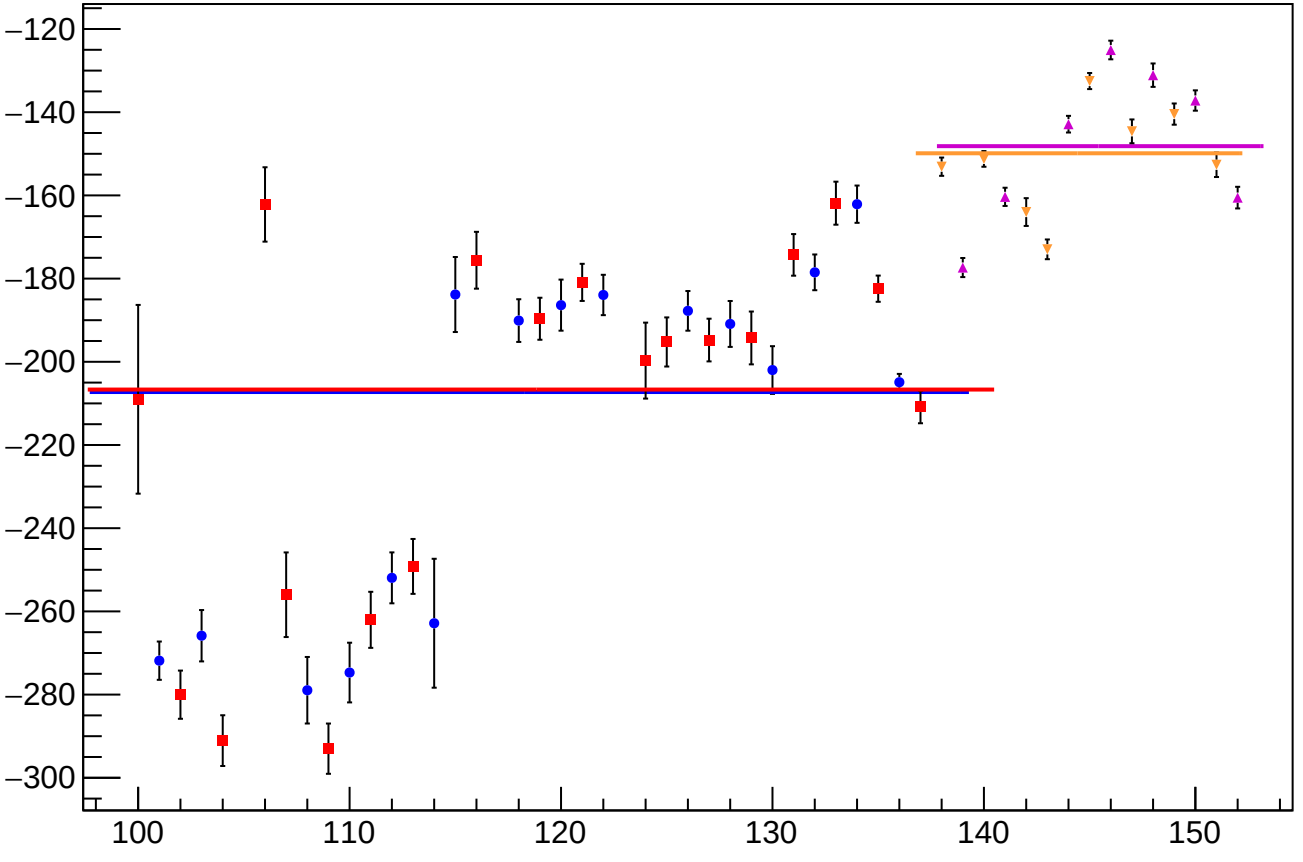
Left In: -38.663+/-0.620 χ^2/NDF:853.7/6

+ sign -37.015+/-0.521 χ^2/NDF: 2055.7/23

All: -38.834+/-0.378 χ^2/NDF: 4767.8/49

- sign -40.856+/-0.549 χ^2/NDF: 2686.3/25

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -149.877+/-0.841 χ^2/NDF:213.8/7

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

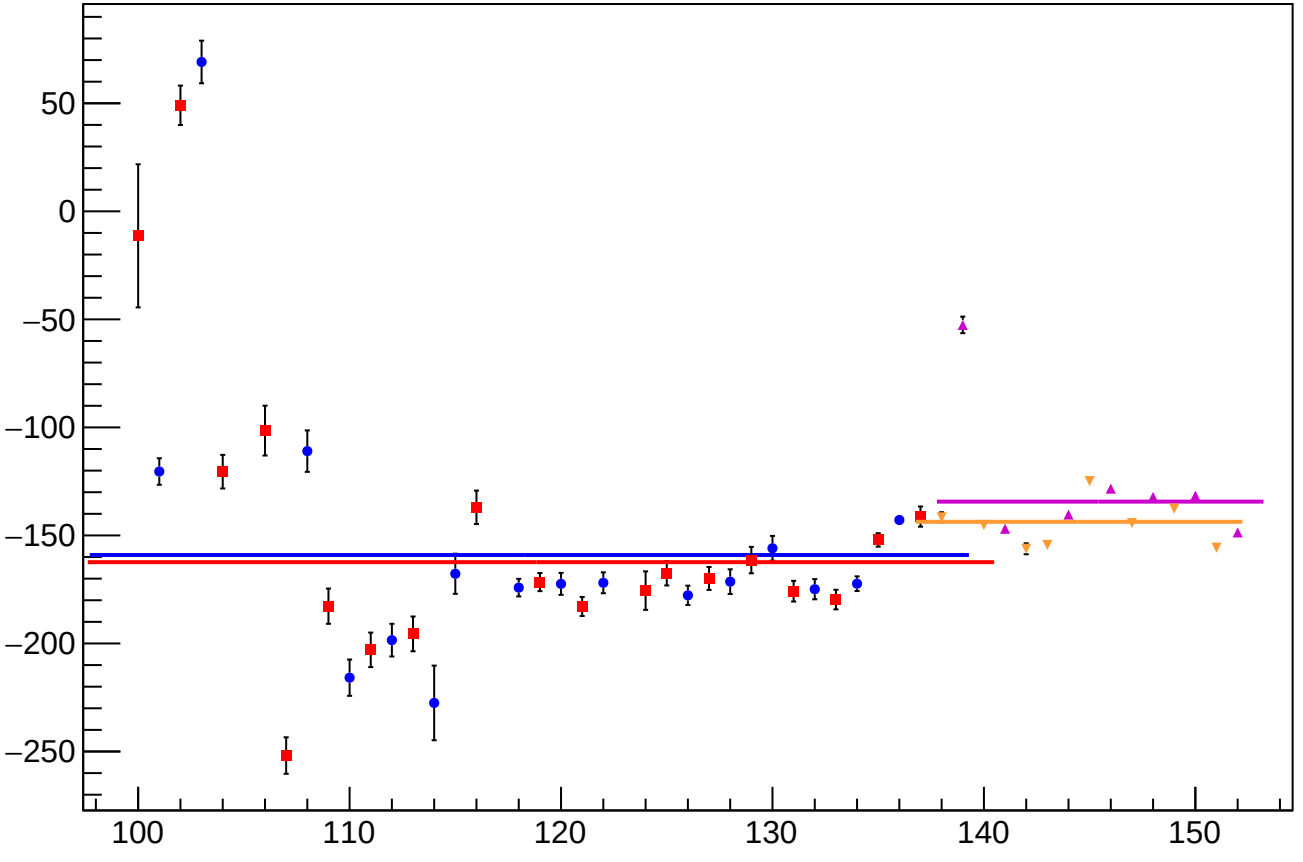
Left In: -148.163+/-0.881 χ^2/NDF:385.4/6

+ sign -169.239+/-0.684 χ^2/NDF: 2534.1/23

All: -168.177+/-0.498 χ^2/NDF: 5312.6/49

- sign -166.983+/-0.726 χ^2/NDF: 2773.5/25

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -143.690+/-0.721 χ^2/NDF:209.3/7

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

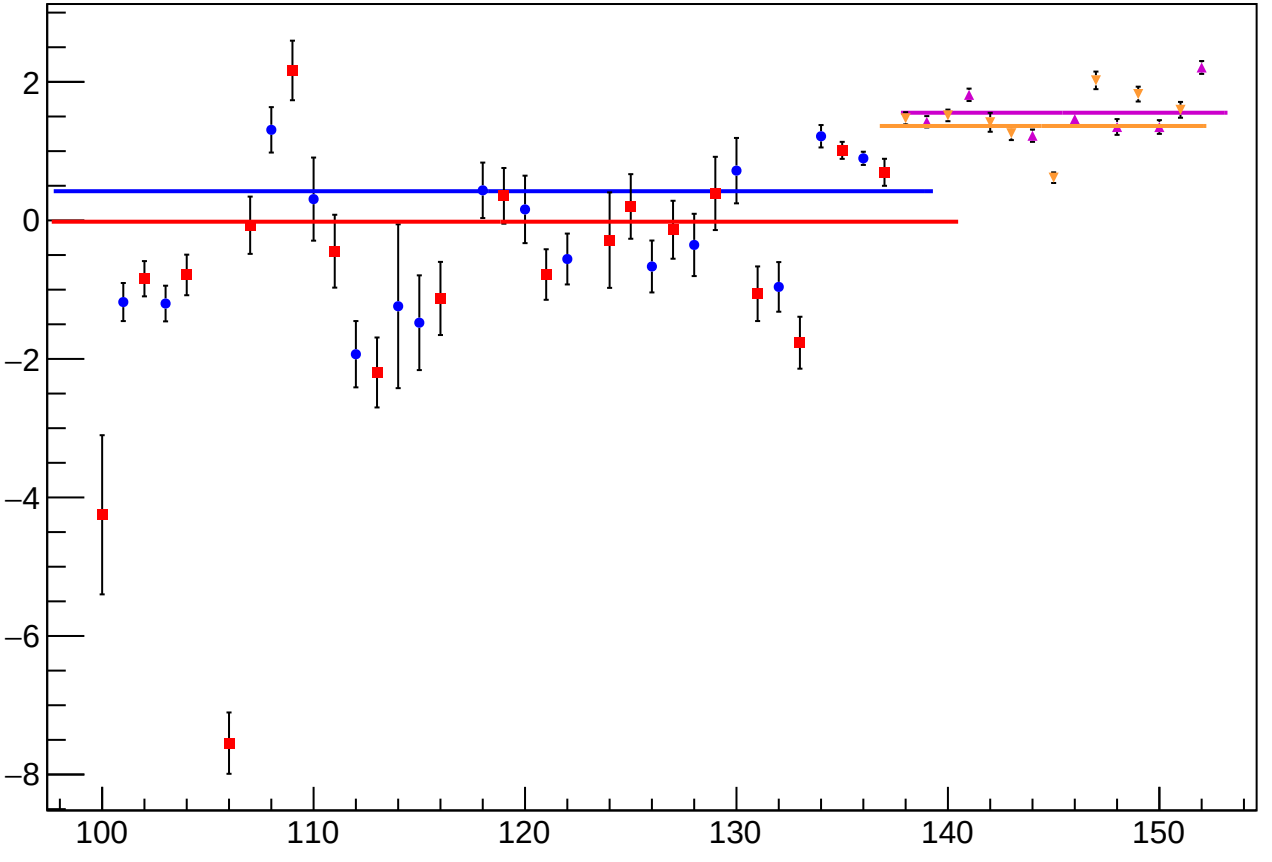
Left In: -134.352+/-0.753 χ^2/NDF:575.1/6

+ sign -147.640+/-0.621 χ^2/NDF: 1141.8/23

All: -144.591+/-0.451 χ^2/NDF: 2978.4/49

- sign -141.205+/-0.655 χ^2/NDF: 1785.9/25

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.363+/-0.035 χ^2/NDF:150.4/7

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

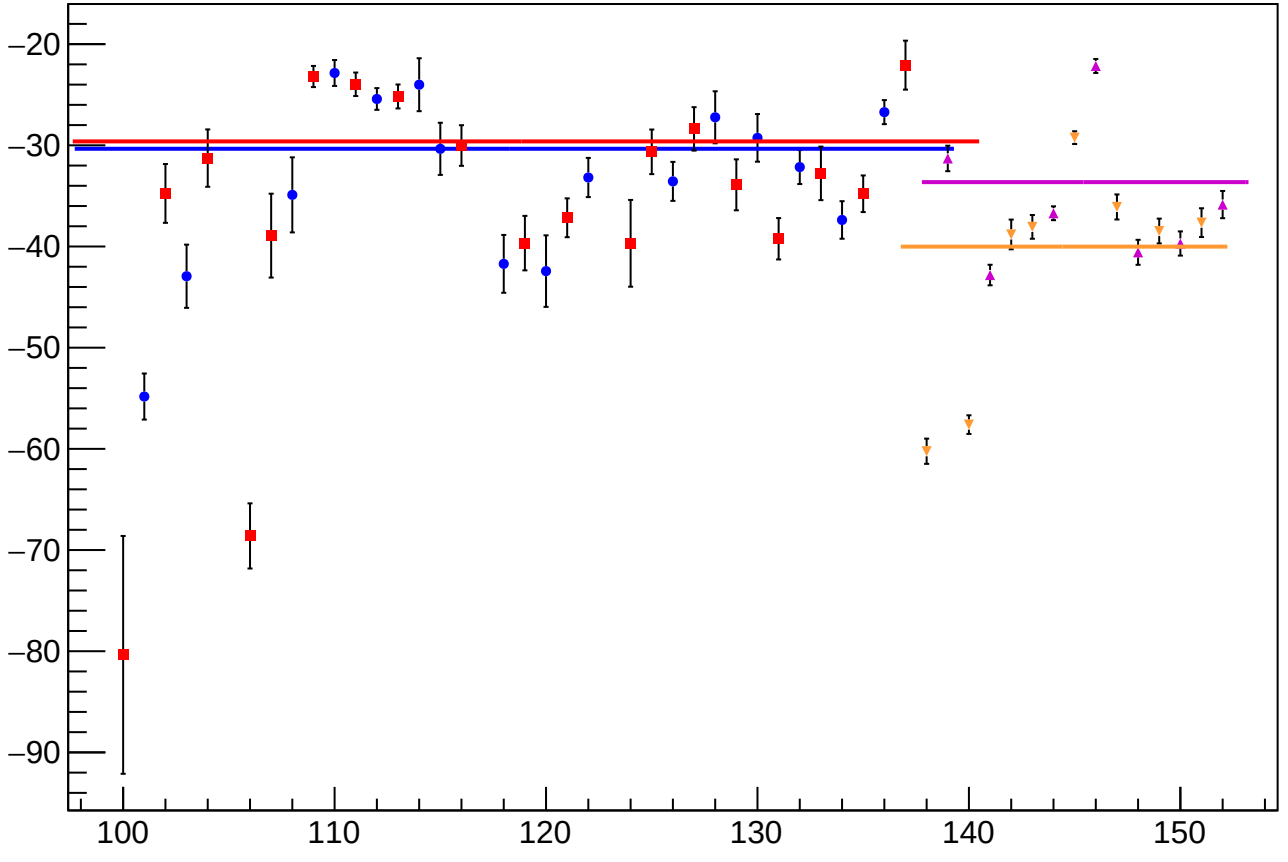
Left In: 1.554+/-0.035 χ^2/NDF:82.8/6

+ sign 1.152+/-0.031 χ^2/NDF: 511.8/23

All: 1.200+/-0.022 χ^2/NDF: 1469.8/49

- sign 1.251+/-0.032 χ^2/NDF: 953.0/25

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -40.012+/-0.369 χ^2/NDF:936.3/7

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

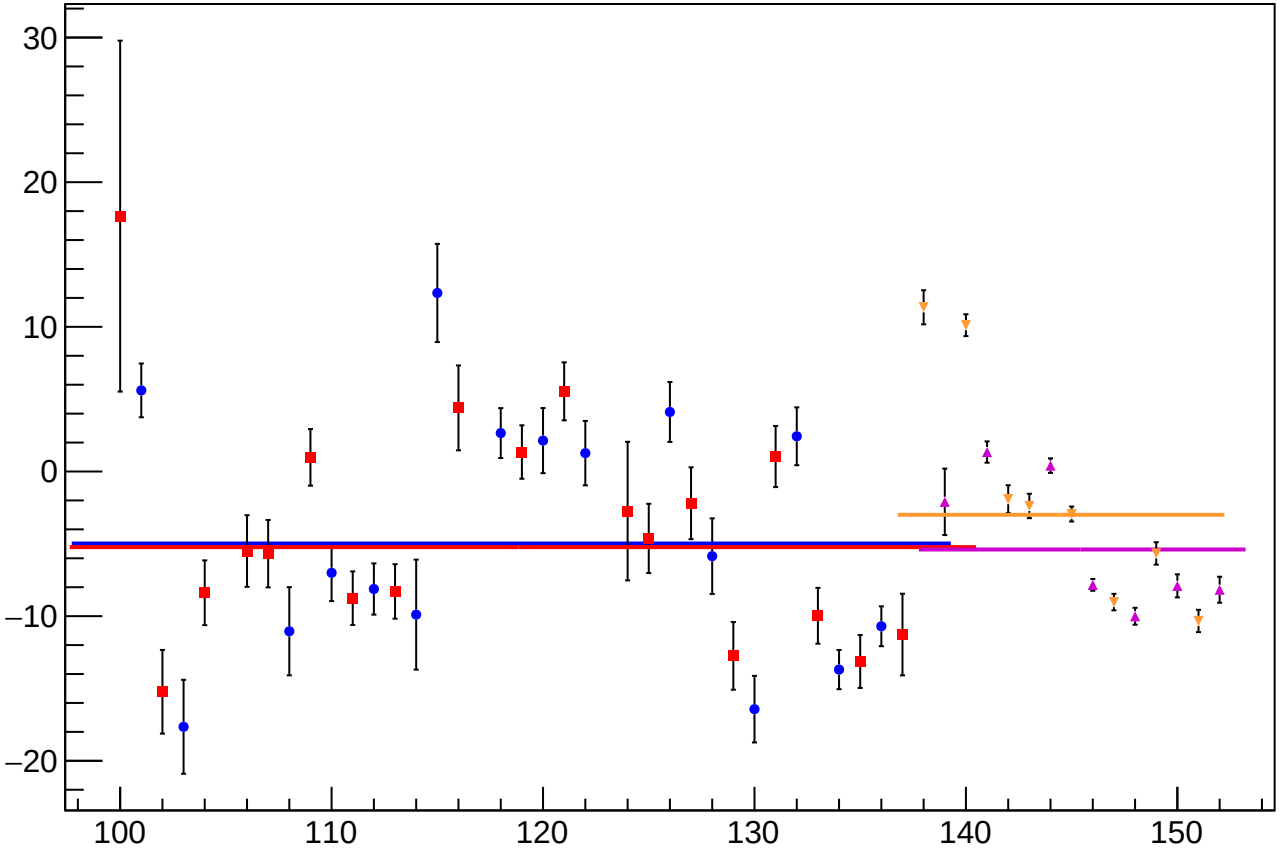
Left In: -33.638+/-0.359 χ^2/NDF:441.4/6

+ sign -36.299+/-0.290 χ^2/NDF: 1453.2/23

All: -34.119+/-0.202 χ^2/NDF: 2382.1/49

- sign -32.072+/-0.281 χ^2/NDF: 819.3/25

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -2.995+/-0.257 χ^2/NDF:665.1/7

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

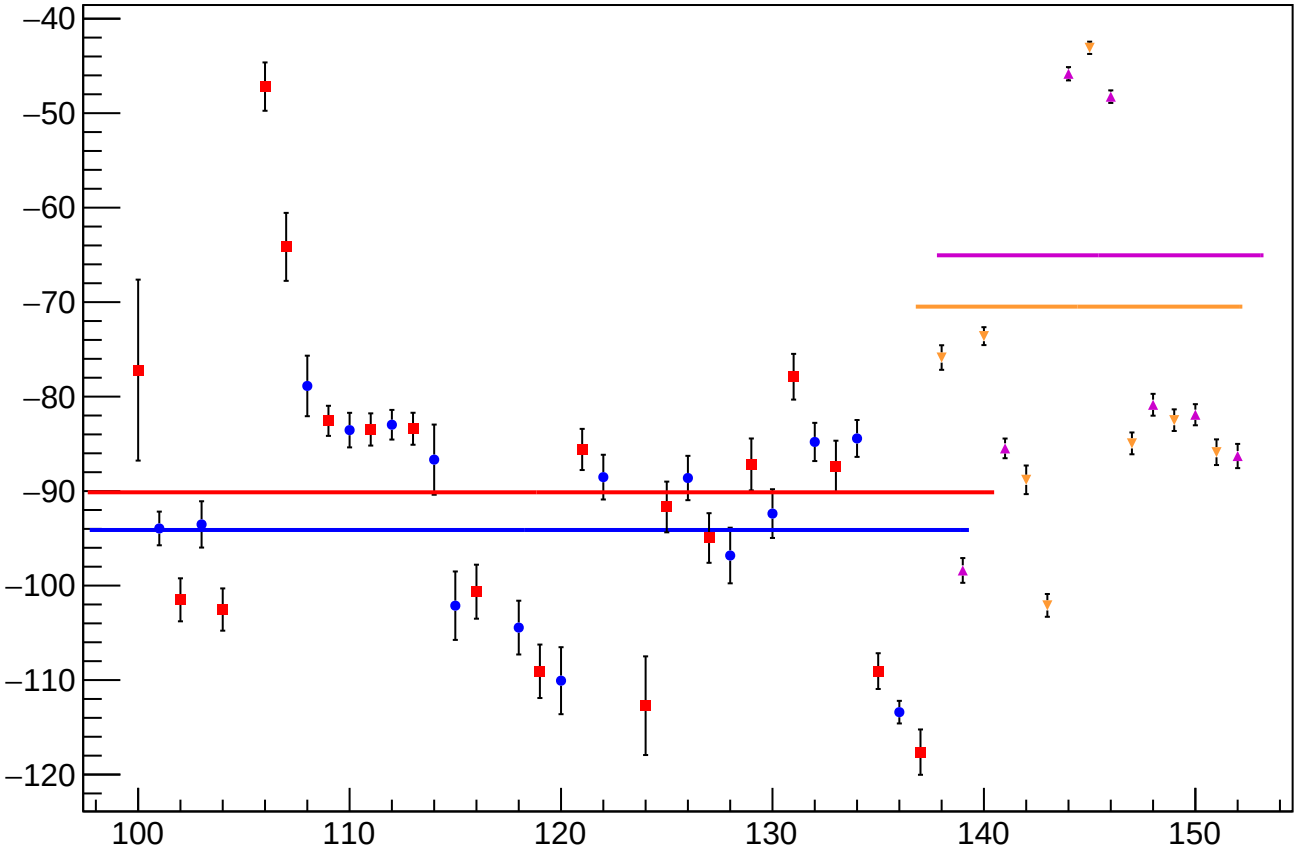
Left In: -5.392+/-0.237 χ^2/NDF:337.2/6

+ sign -3.397+/-0.230 χ^2/NDF: 914.5/23

All: -4.442+/-0.157 χ^2/NDF: 1427.2/49

- sign -5.365+/-0.216 χ^2/NDF: 473.7/25

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -70.475+/-0.371 χ^2/NDF:3030.8/7

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

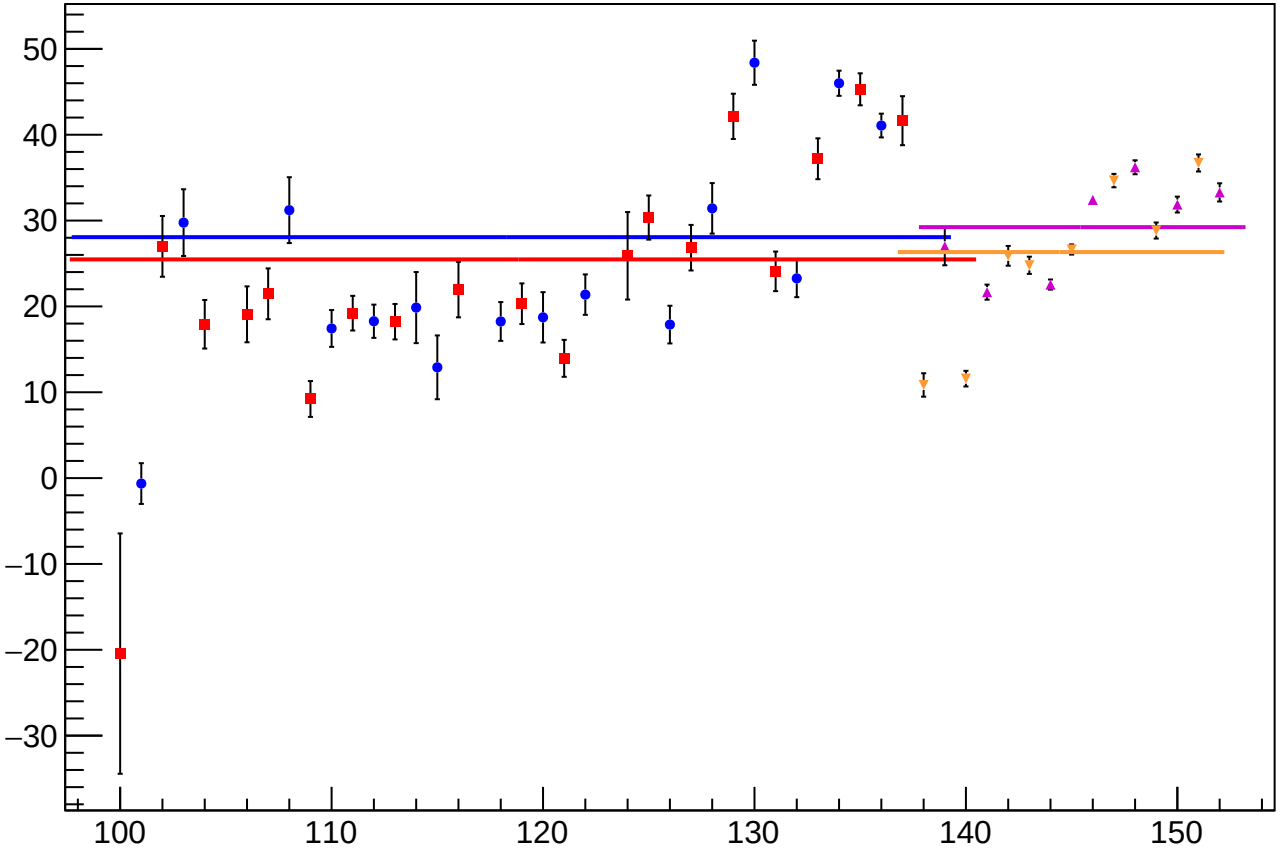
Left In: -65.043+/-0.355 χ^2/NDF:3103.5/6

+ sign -78.125+/-0.305 χ^2/NDF: 4808.3/23

All: -75.263+/-0.213 χ^2/NDF: 10367.1/49

- sign -72.556+/-0.297 χ^2/NDF: 5388.0/25

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.331+/-0.314 χ^2/NDF:623.0/7

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

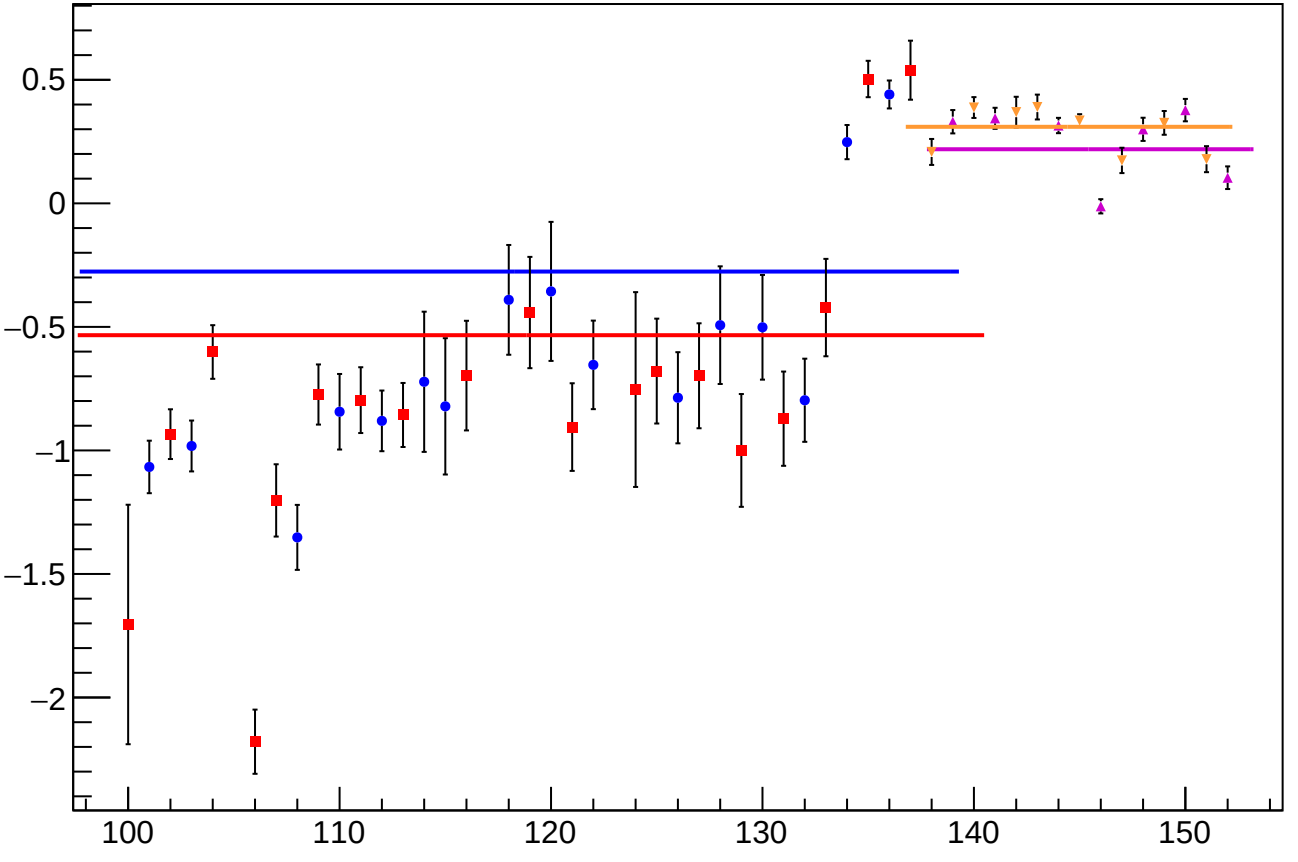
Left In: 29.235+/-0.291 χ^2/NDF:338.6/6

+ sign 26.737+/-0.275 χ^2/NDF: 1213.2/23

All: 27.663+/-0.189 χ^2/NDF: 1960.6/49

- sign 28.499+/-0.261 χ^2/NDF: 725.8/25

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.310+/-0.015 χ^2/NDF:24.9/7

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

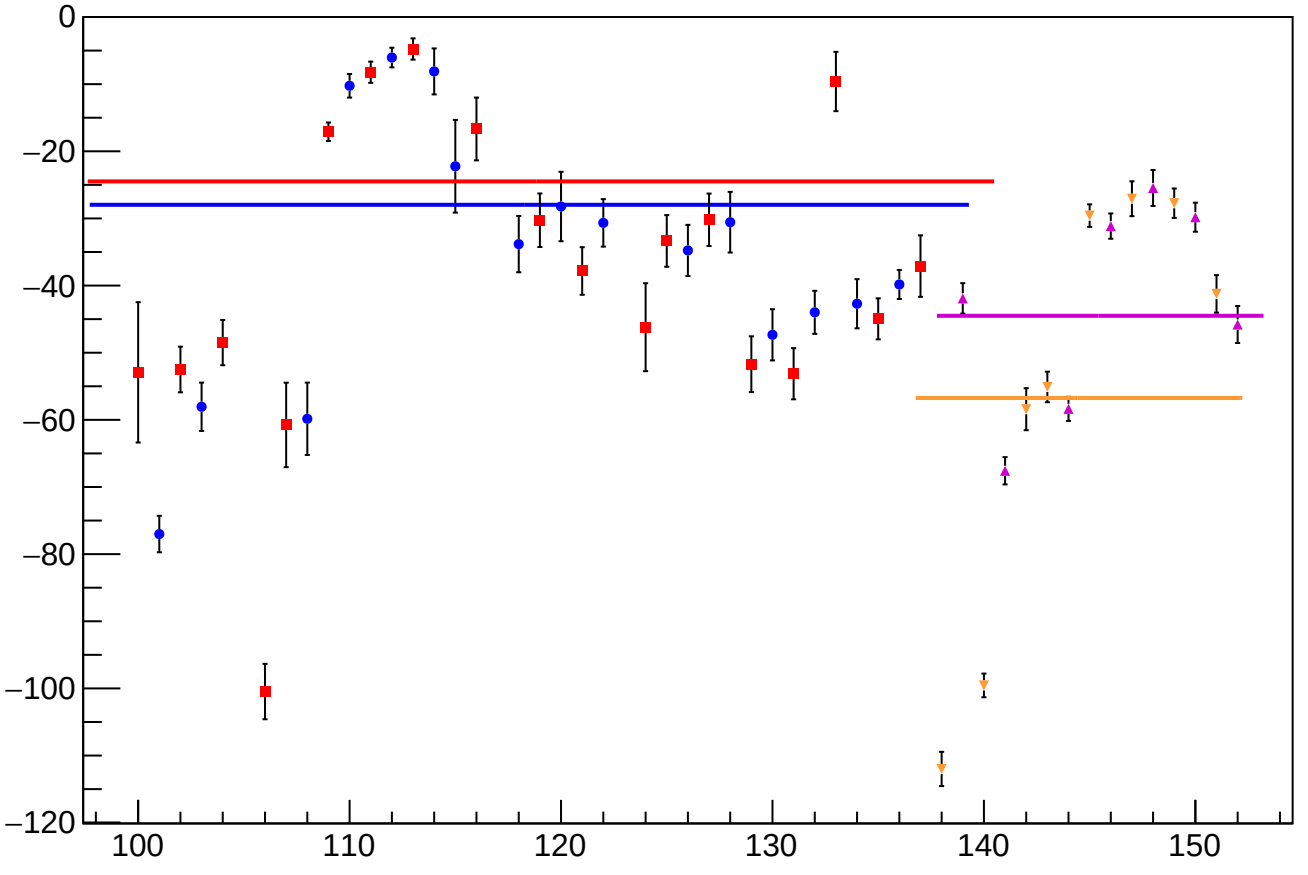
Left In: 0.219+/-0.015 χ^2/NDF:109.3/6

+ sign 0.192+/-0.014 χ^2/NDF: 772.9/23

All: 0.142+/-0.010 χ^2/NDF: 1856.7/49

- sign 0.094+/-0.013 χ^2/NDF: 1057.4/25

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -56.744+/-0.788 χ^2/NDF:1657.1/7

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

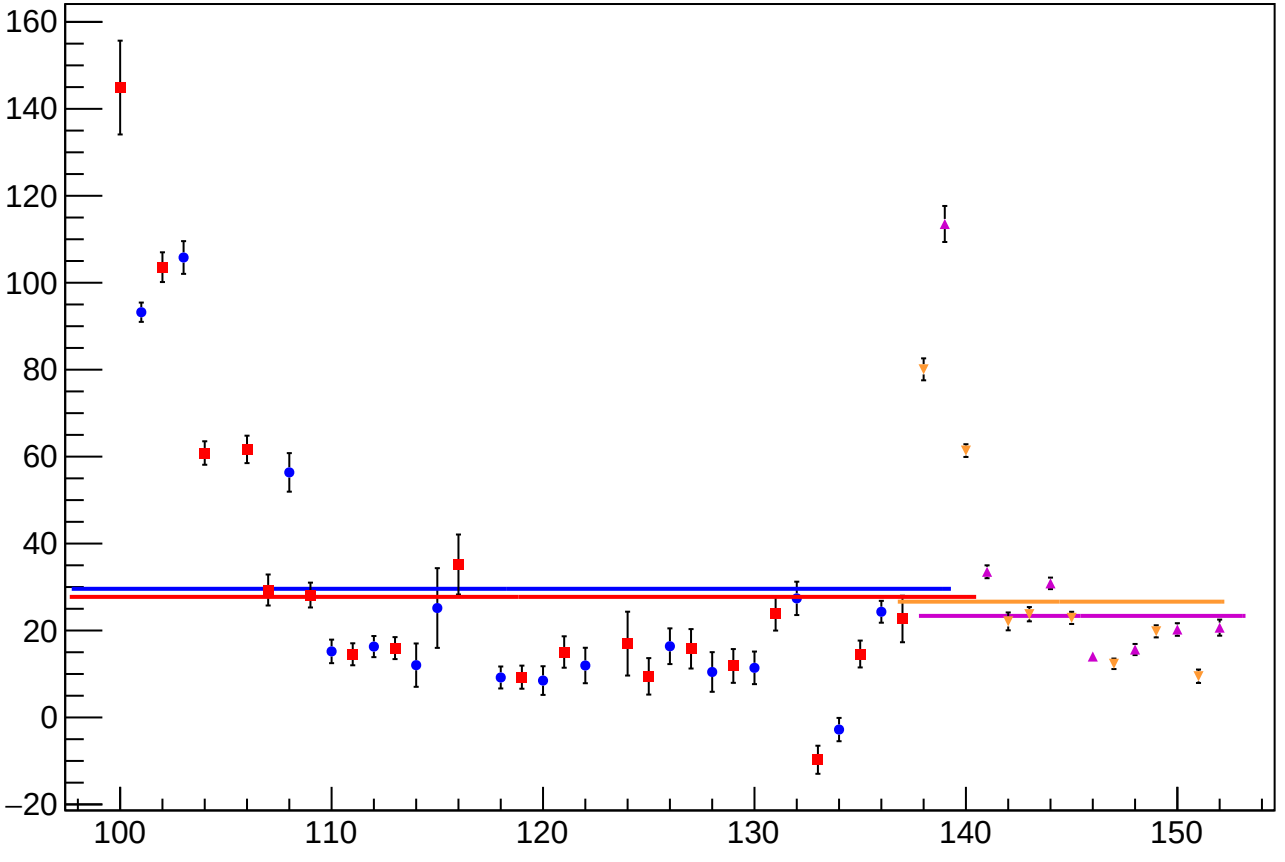
Left In: -44.501+/-0.812 χ^2/NDF:337.4/6

\+ sign -41.208+/-0.535 χ^2/NDF: 3271.5/23

All: -36.672+/-0.370 χ^2/NDF: 5101.6/49

\- sign -32.487+/-0.514 χ^2/NDF: 1691.6/25

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 26.637+/-0.546 χ^2/NDF:1311.6/7

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

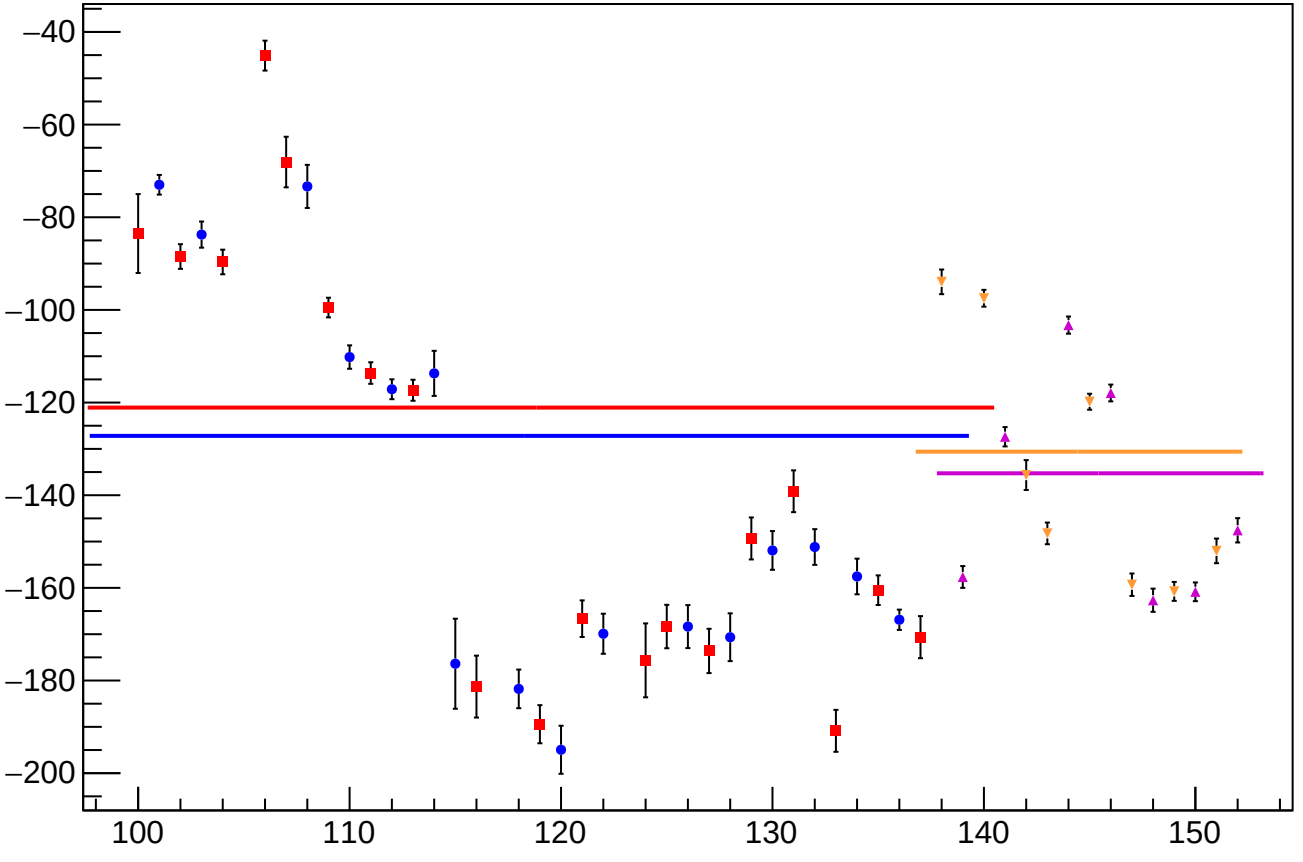
Left In: 23.365+/-0.557 χ^2/NDF:661.8/6

+ sign 27.565+/-0.452 χ^2/NDF: 2986.5/23

All: 26.197+/-0.321 χ^2/NDF: 4872.1/49

- sign 24.801+/-0.457 χ^2/NDF: 1867.1/25

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -130.596+/-0.788 χ^2/NDF:1043.7/7

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

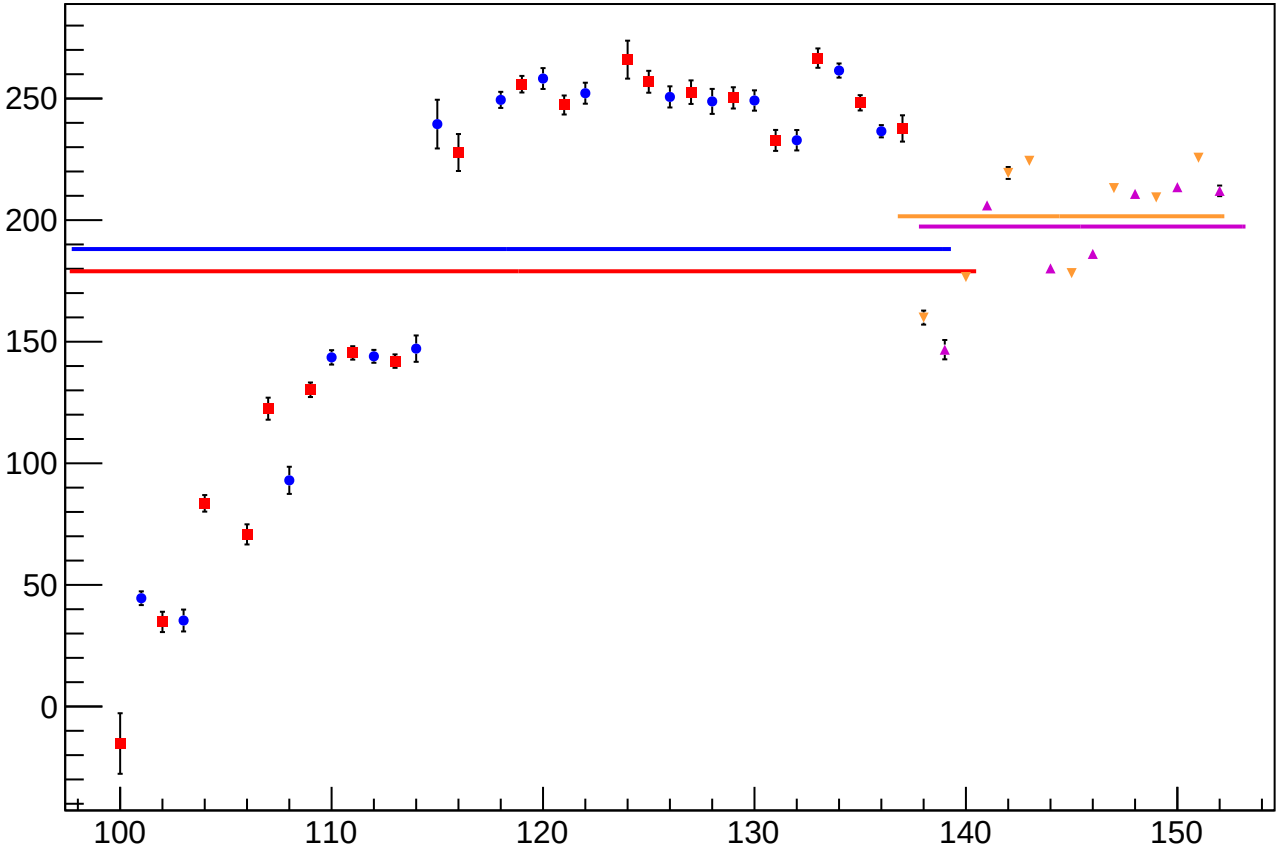
Left In: -135.270+/-0.801 χ^2/NDF:797.7/6

+ sign -128.980+/-0.571 χ^2/NDF: 3230.7/23

All: -128.559+/-0.402 χ^2/NDF: 6584.2/49

- sign -128.146+/-0.565 χ^2/NDF: 3352.4/25

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 201.582+/-0.667 χ^2/NDF:1033.3/7

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

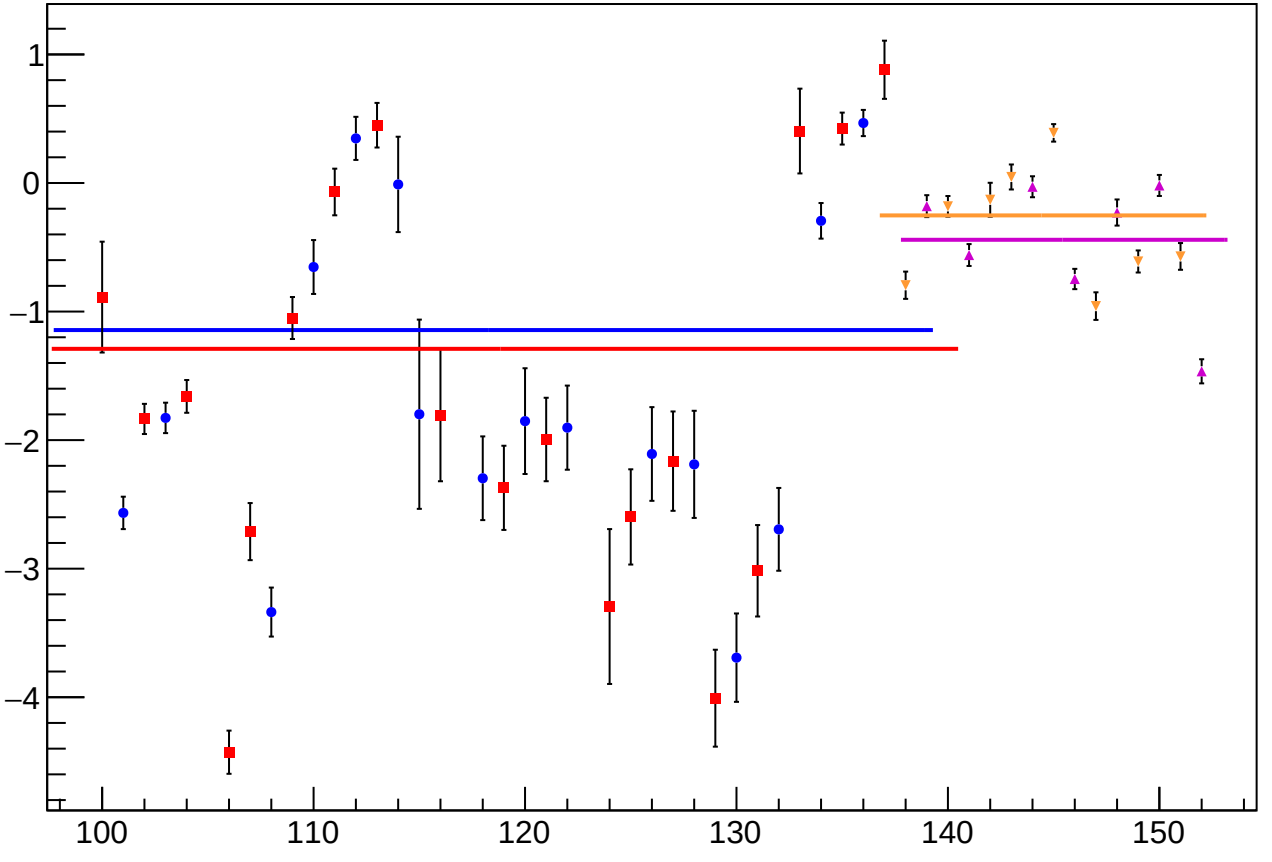
Left In: 197.362+/-0.677 χ^2/NDF:567.9/6

+ sign 196.923+/-0.540 χ^2/NDF: 8292.9/23

All: 193.873+/-0.383 χ^2/NDF: 15857.4/49

- sign 190.789+/-0.543 χ^2/NDF: 7500.3/25

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.252+/-0.033 χ^2/NDF:196.1/7

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

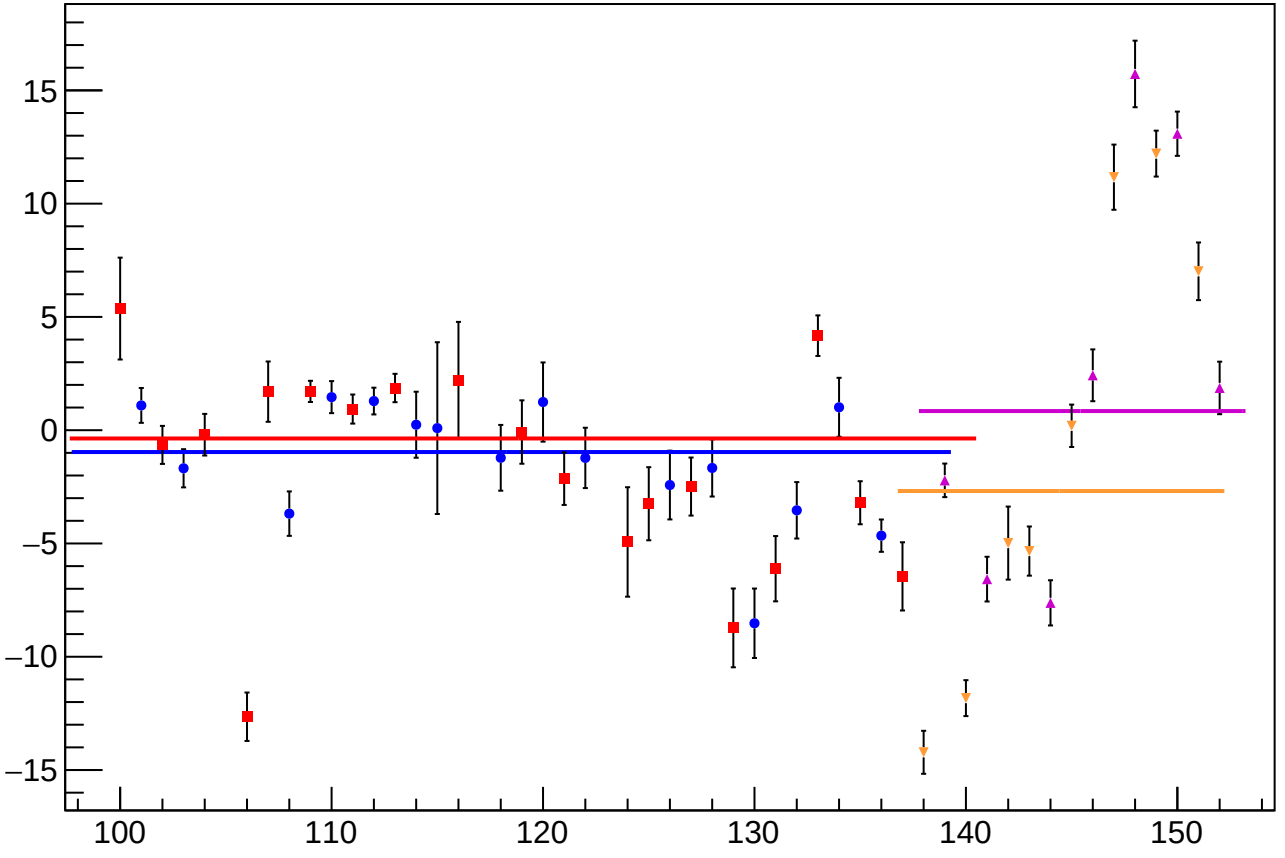
Left In: -0.442+/-0.033 χ^2/NDF:201.8/6

+ sign -0.534+/-0.027 χ^2/NDF: 1219.3/23

All: -0.624+/-0.019 χ^2/NDF: 2658.8/49

- sign -0.713+/-0.027 χ^2/NDF: 1417.5/25

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -2.685+/-0.374 χ^2/NDF:664.8/7

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

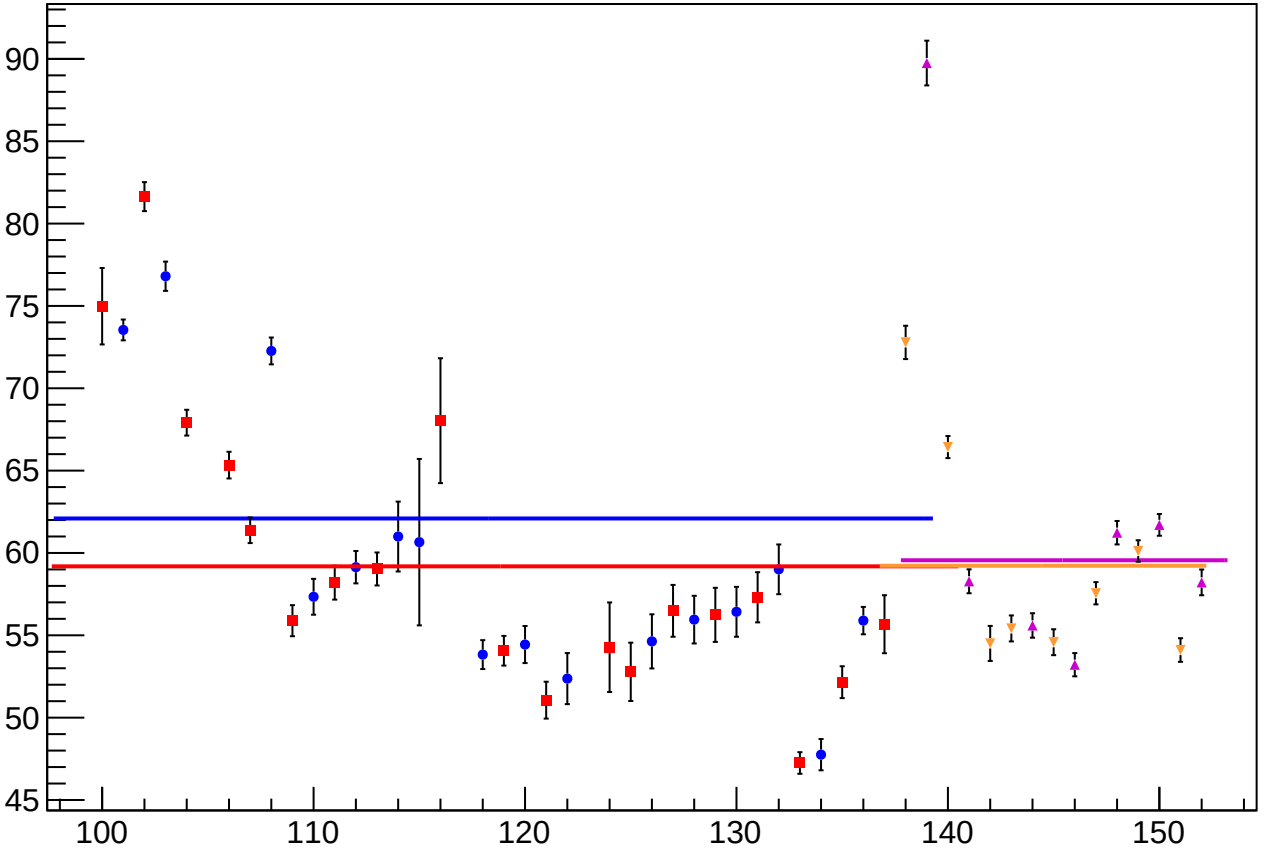
Left In: 0.845+/-0.381 χ^2/NDF:407.9/6

+ sign -1.505+/-0.210 χ^2/NDF: 782.5/23

All: -0.720+/-0.142 χ^2/NDF: 1504.4/49

- sign -0.055+/-0.193 χ^2/NDF: 696.0/25

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 59.225+/-0.269 χ^2/NDF:432.1/7

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

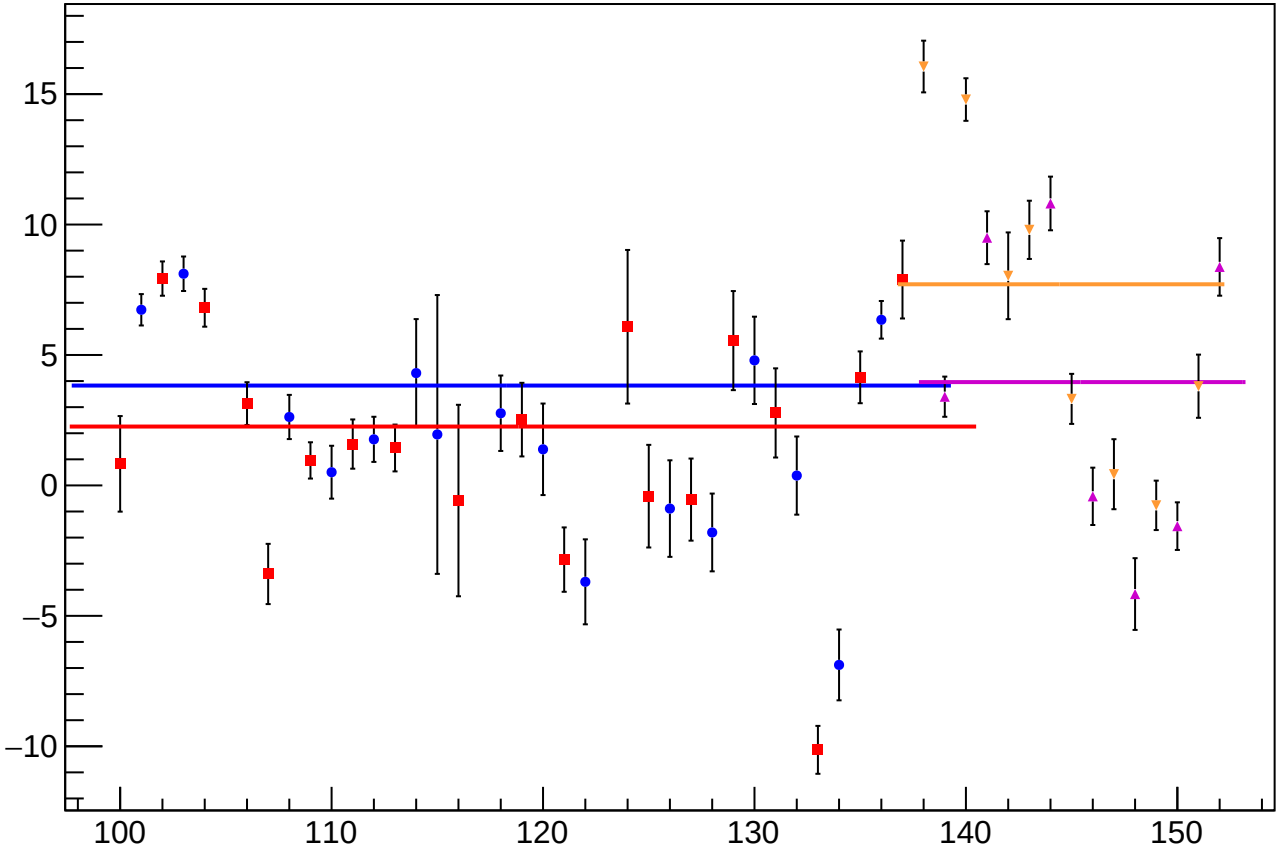
Left In: 59.557+/-0.287 χ^2/NDF:625.1/6

+ sign 60.679+/-0.189 χ^2/NDF: 1791.0/23

All: 59.999+/-0.132 χ^2/NDF: 3844.7/49

- sign 59.343+/-0.186 χ^2/NDF: 2028.2/25

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 7.710+/-0.375 χ^2/NDF:290.7/7

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

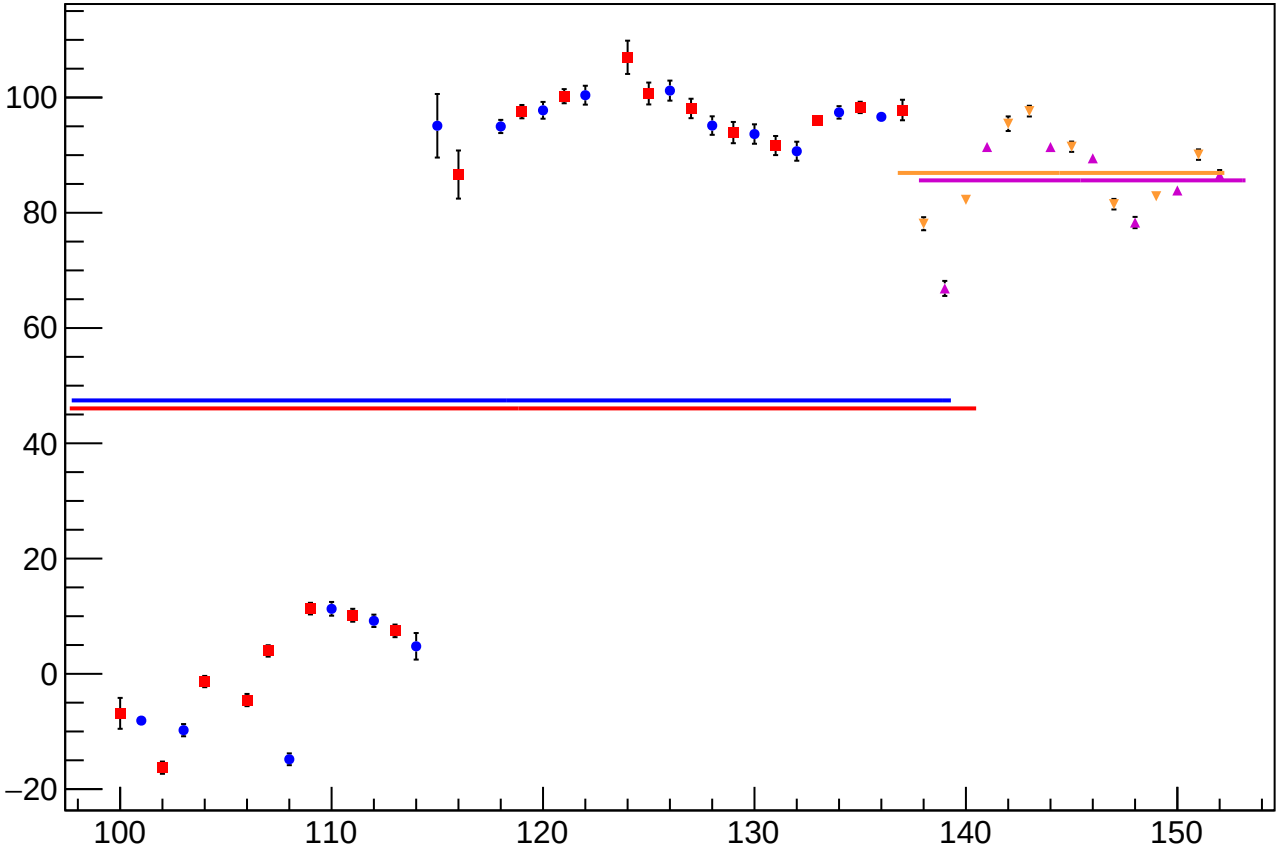
Left In: 3.961+/-0.378 χ^2/NDF:178.1/6

+ sign 5.124+/-0.217 χ^2/NDF: 570.8/23

All: 3.889+/-0.149 χ^2/NDF: 1197.3/49

- sign 2.764+/-0.207 χ^2/NDF: 564.3/25

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 86.913+/-0.326 χ^2/NDF:372.3/7

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

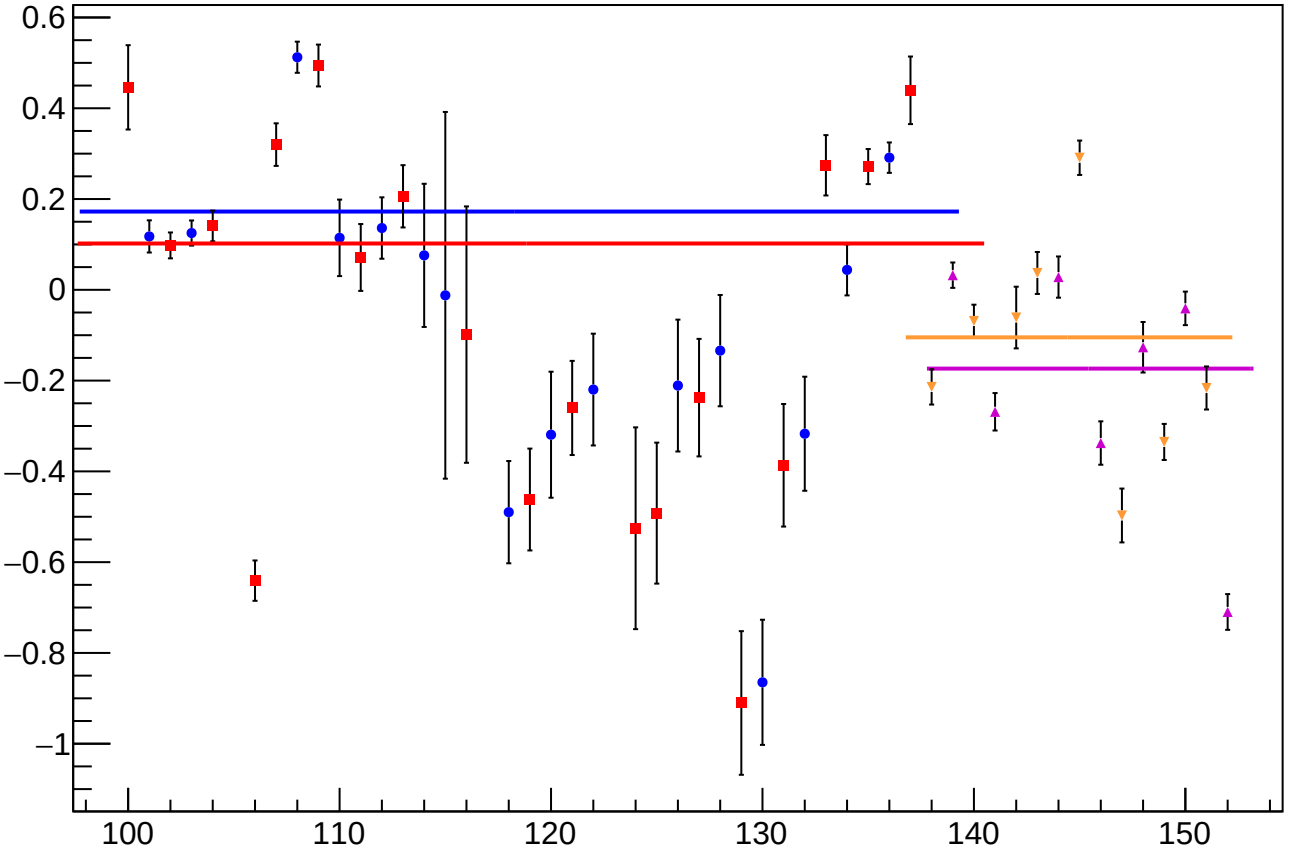
Left In: 85.621+/-0.342 χ^2/NDF:377.8/6

+ sign 66.058+/-0.224 χ^2/NDF: 35001.5/23

All: 64.105+/-0.156 χ^2/NDF: 72343.6/49

- sign 62.242+/-0.219 χ^2/NDF: 37193.4/25

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.105+/-0.015 χ^2/NDF:210.9/7

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

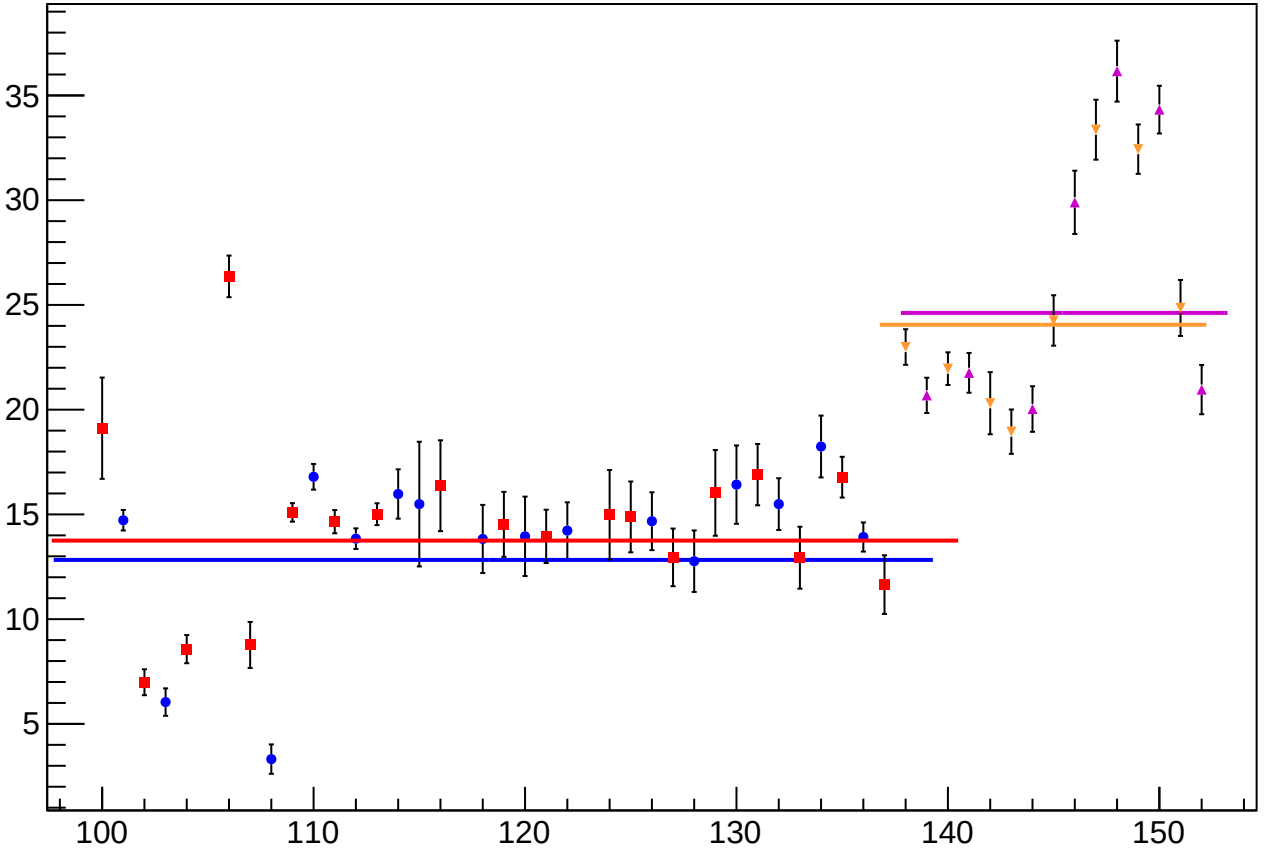
Left In: -0.174+/-0.015 χ^2/NDF:290.2/6

+ sign 0.046+/-0.010 χ^2/NDF: 650.7/23

All: 0.011+/-0.007 χ^2/NDF: 1709.8/49

- sign -0.022+/-0.010 χ^2/NDF: 1037.1/25

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 24.054+/-0.383 χ^2/NDF:131.7/7

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

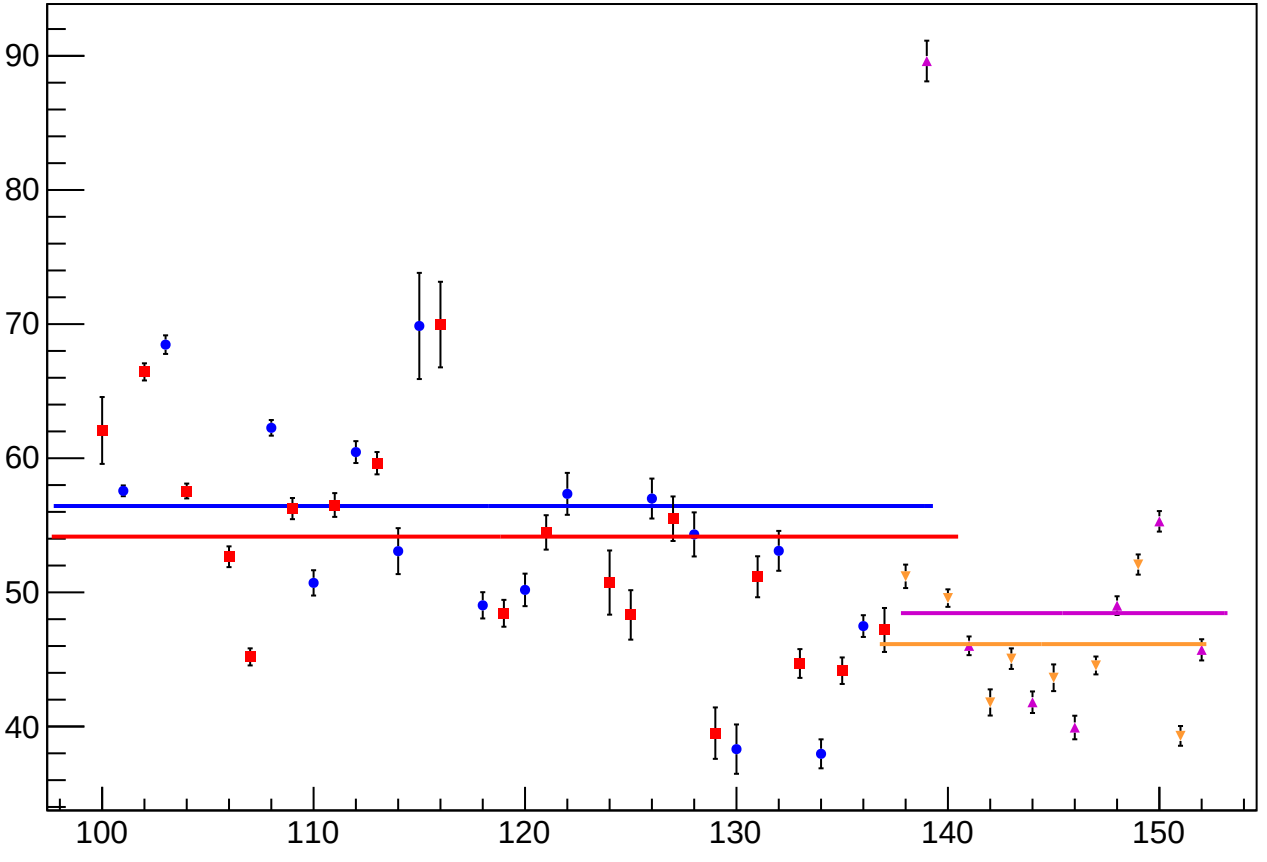
Left In: 24.618+/-0.416 χ^2/NDF:206.2/6

+ sign 15.503+/-0.187 χ^2/NDF: 1175.4/23

All: 15.684+/-0.131 χ^2/NDF: 2337.0/49

- sign 15.857+/-0.183 χ^2/NDF: 1159.8/25

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 46.142+/-0.274 χ^2/NDF:243.4/7

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

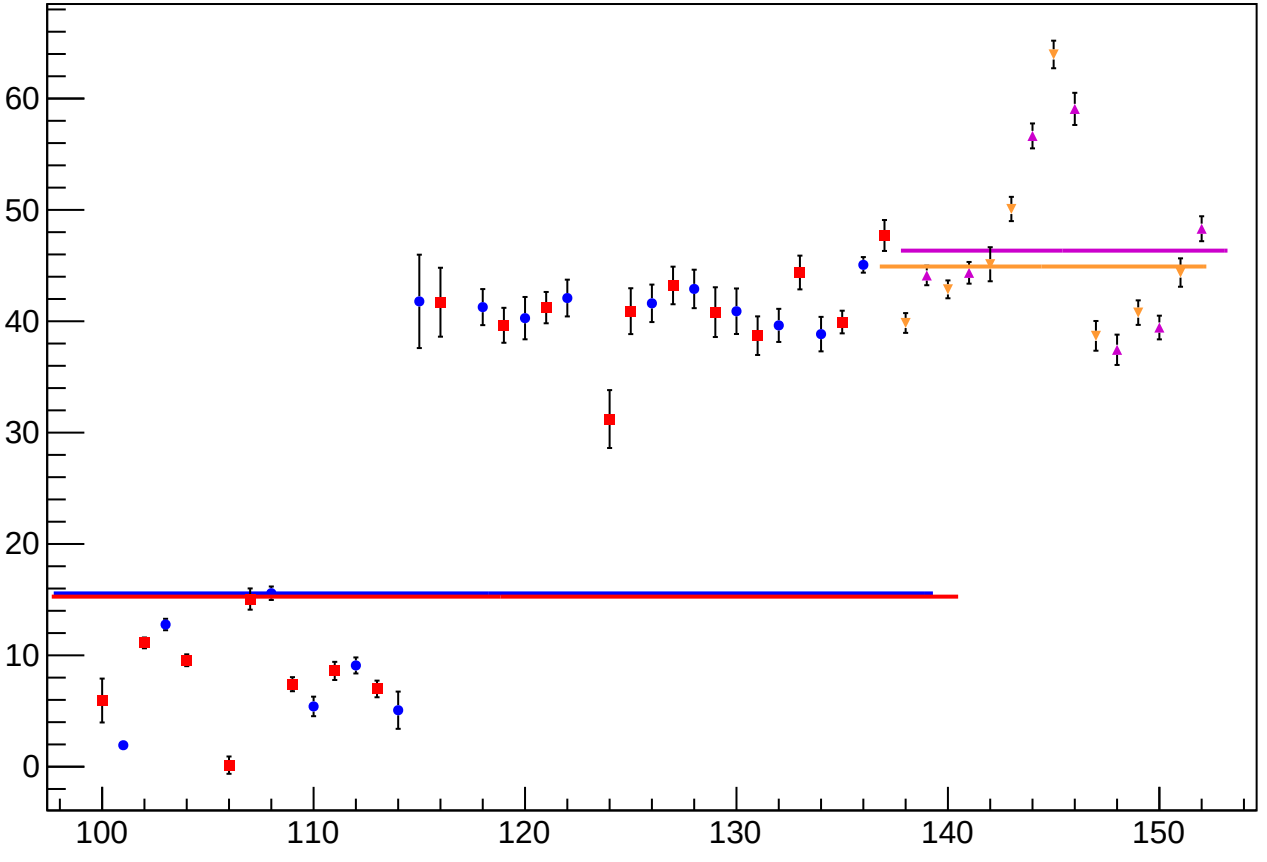
Left In: 48.452+/-0.306 χ^2/NDF:1003.5/6

+ sign 52.370+/-0.173 χ^2/NDF: 2182.7/23

All: 52.268+/-0.125 χ^2/NDF: 4419.9/49

- sign 52.156+/-0.181 χ^2/NDF: 2236.4/25

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 44.916+/-0.385 χ^2/NDF:334.1/7

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

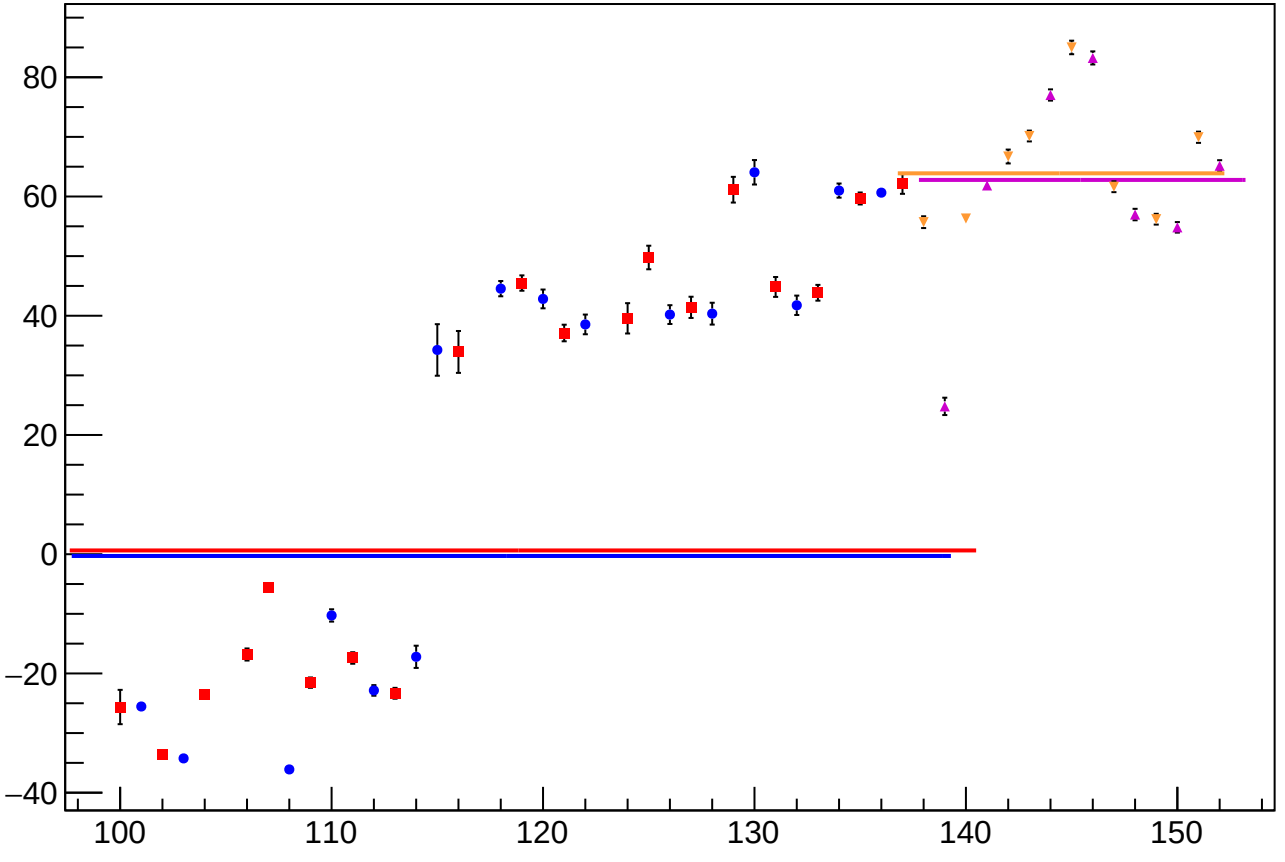
Left In: 46.342+/-0.413 χ^2/NDF:261.0/6

+ sign 22.489+/-0.187 χ^2/NDF: 9951.5/23

All: 22.295+/-0.135 χ^2/NDF: 18497.4/49

- sign 22.087+/-0.194 χ^2/NDF: 8543.7/25

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 63.887+/-0.334 χ^2/NDF:680.6/7

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

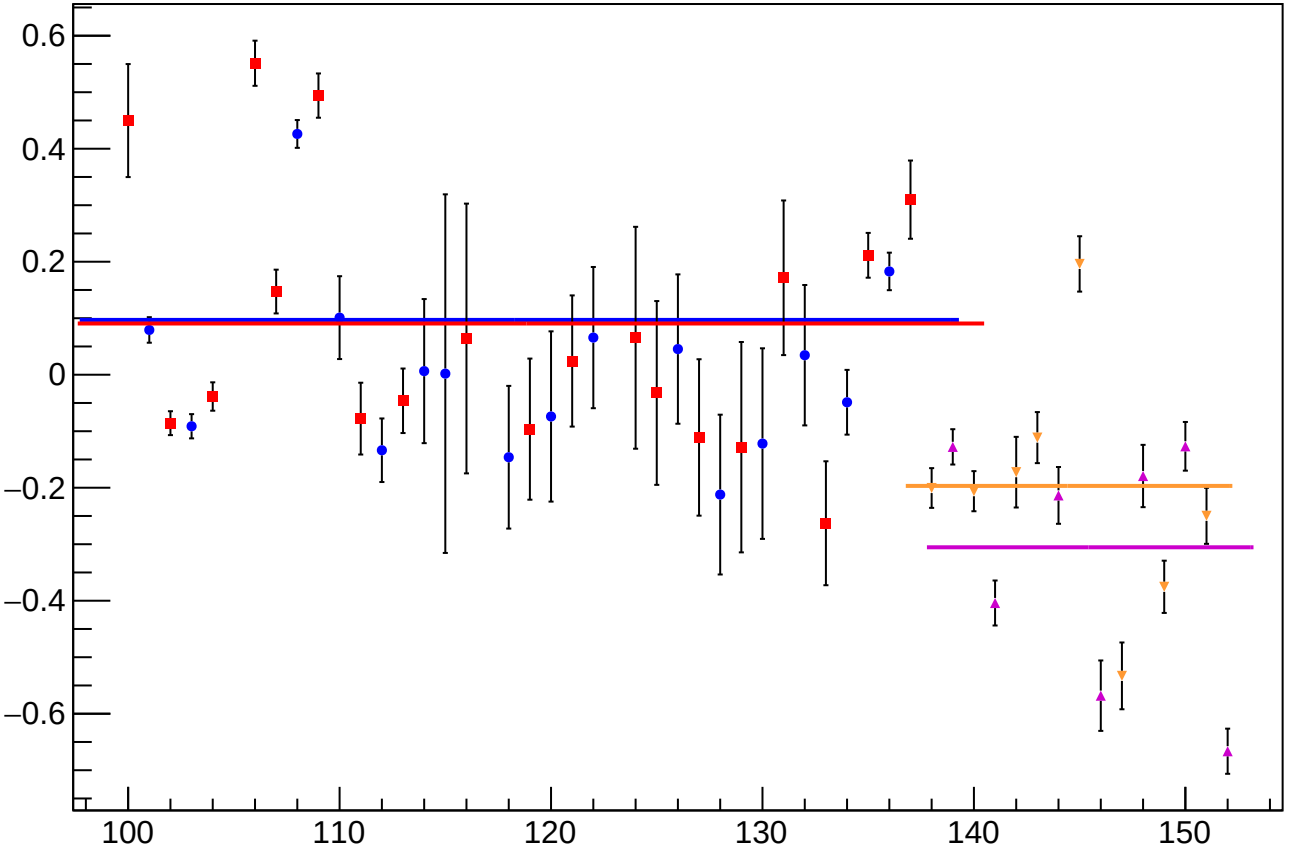
Left In: 62.780+/-0.368 χ^2/NDF:1381.7/6

+ sign 24.042+/-0.206 χ^2/NDF: 44573.0/23

All: 22.938+/-0.148 χ^2/NDF: 80923.1/49

- sign 21.744+/-0.214 χ^2/NDF: 36290.2/25

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.197+/-0.016 χ^2/NDF:116.5/7

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

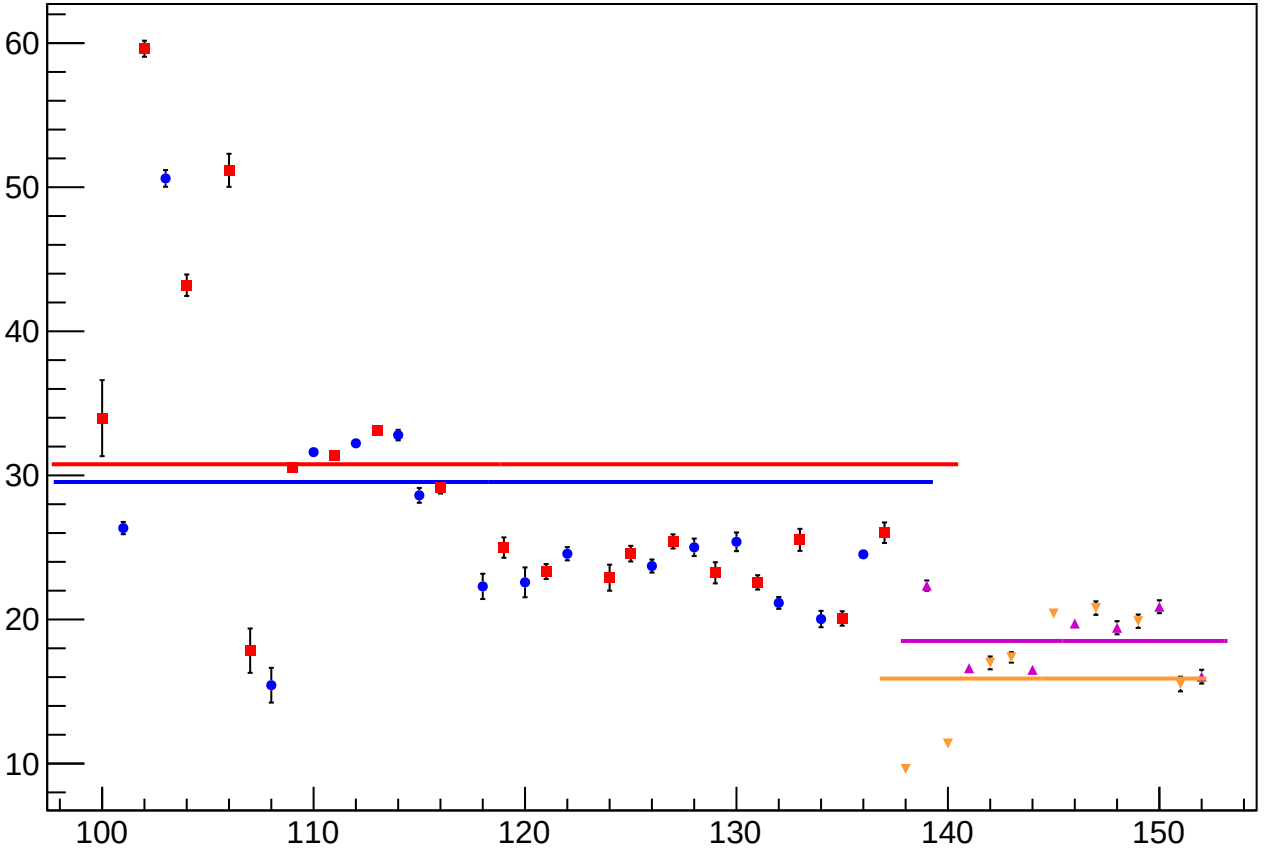
Left In: -0.305+/-0.016 χ^2/NDF:163.6/6

+ sign -0.000+/-0.009 χ^2/NDF: 642.4/23

All: -0.020+/-0.007 χ^2/NDF: 1614.1/49

- sign -0.040+/-0.009 χ^2/NDF: 962.3/25

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.902+/-0.128 χ^2/NDF:1108.0/7

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

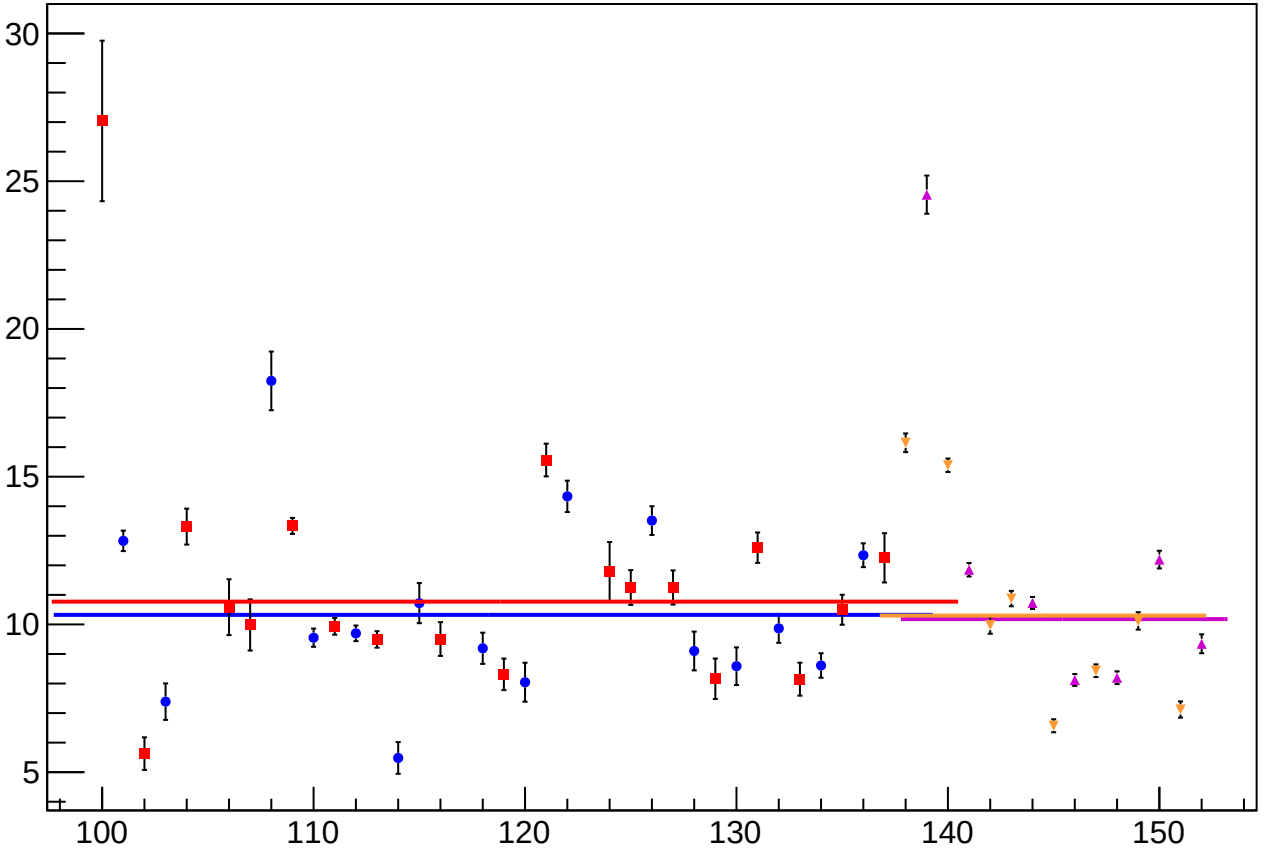
Left In: 18.510+/-0.137 χ^2/NDF:275.6/6

\+ sign 24.881+/-0.075 χ^2/NDF: 11998.6/23

All: 26.363+/-0.051 χ^2/NDF: 24077.9/49

\- sign 27.635+/-0.069 χ^2/NDF: 11346.3/25

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.299+/-0.090 χ^2/NDF:1340.8/7

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

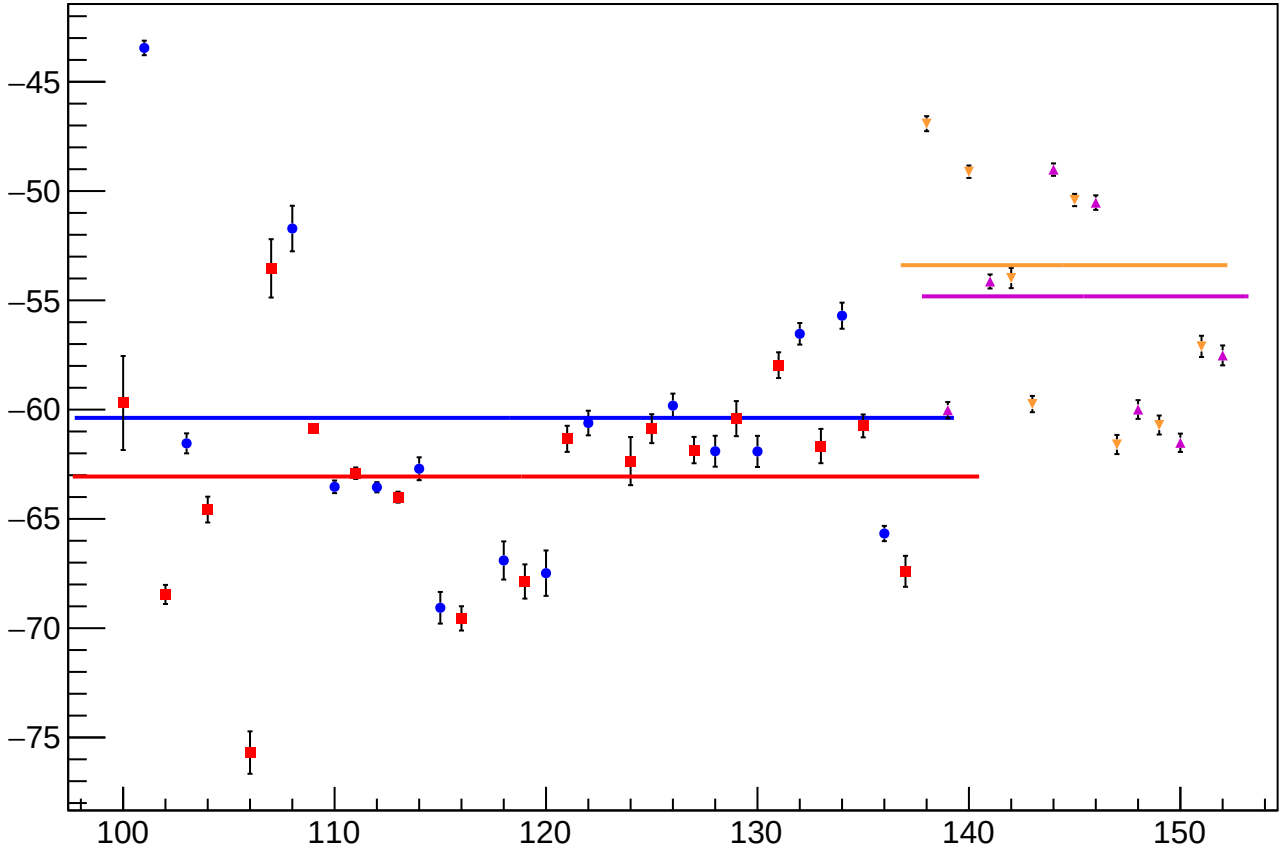
Left In: 10.181+/-0.094 χ^2/NDF:798.1/6

+ sign 10.309+/-0.071 χ^2/NDF: 1743.5/23

All: 10.365+/-0.051 χ^2/NDF: 2974.8/49

- sign 10.423+/-0.072 χ^2/NDF: 1230.1/25

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -53.392+/-0.129 χ^2/NDF:1675.5/7

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

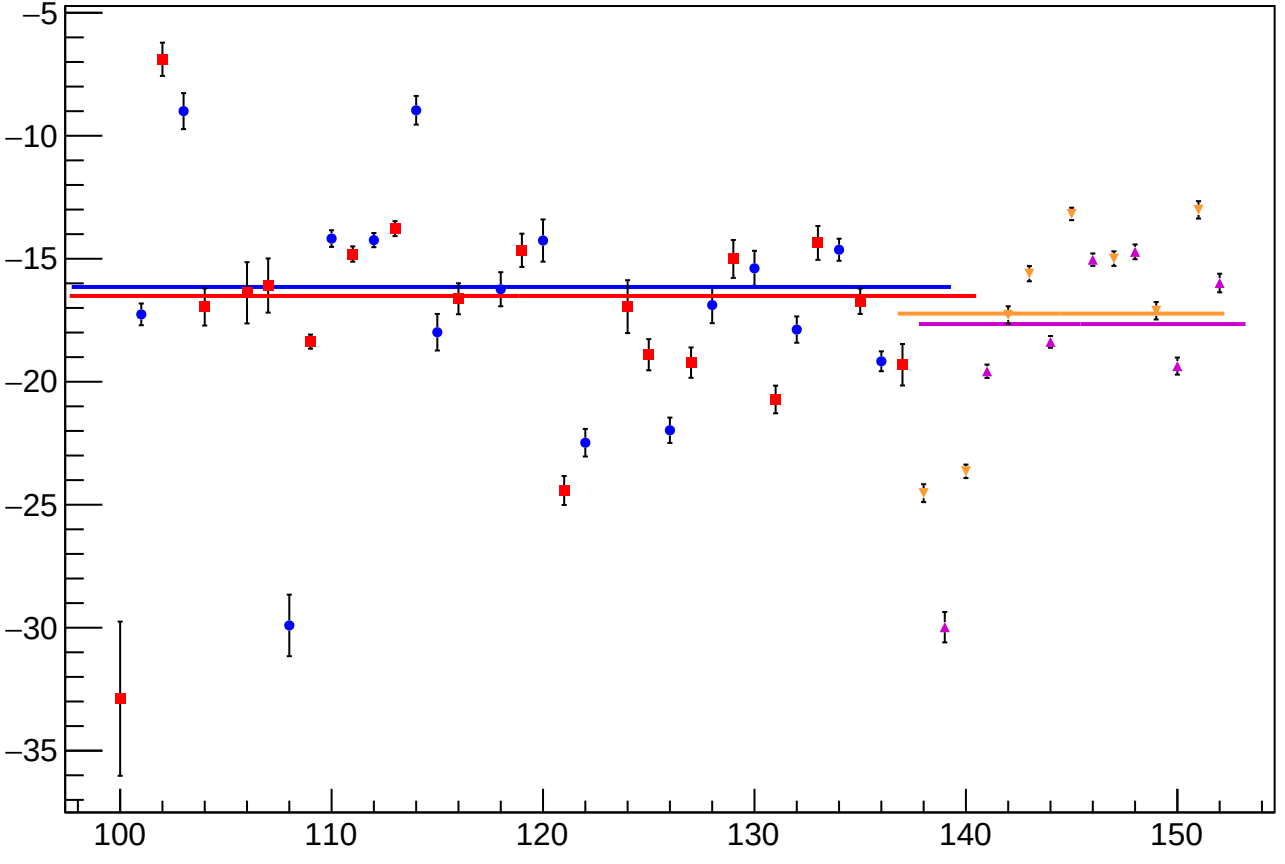
Left In: -54.817+/-0.136 χ^2/NDF:1218.3/6

+ sign -57.344+/-0.085 χ^2/NDF: 6932.2/23

All: -58.632+/-0.060 χ^2/NDF: 11718.3/49

- sign -59.896+/-0.084 χ^2/NDF: 4331.2/25

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.230+/-0.110 χ^2/NDF:1428.5/7

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

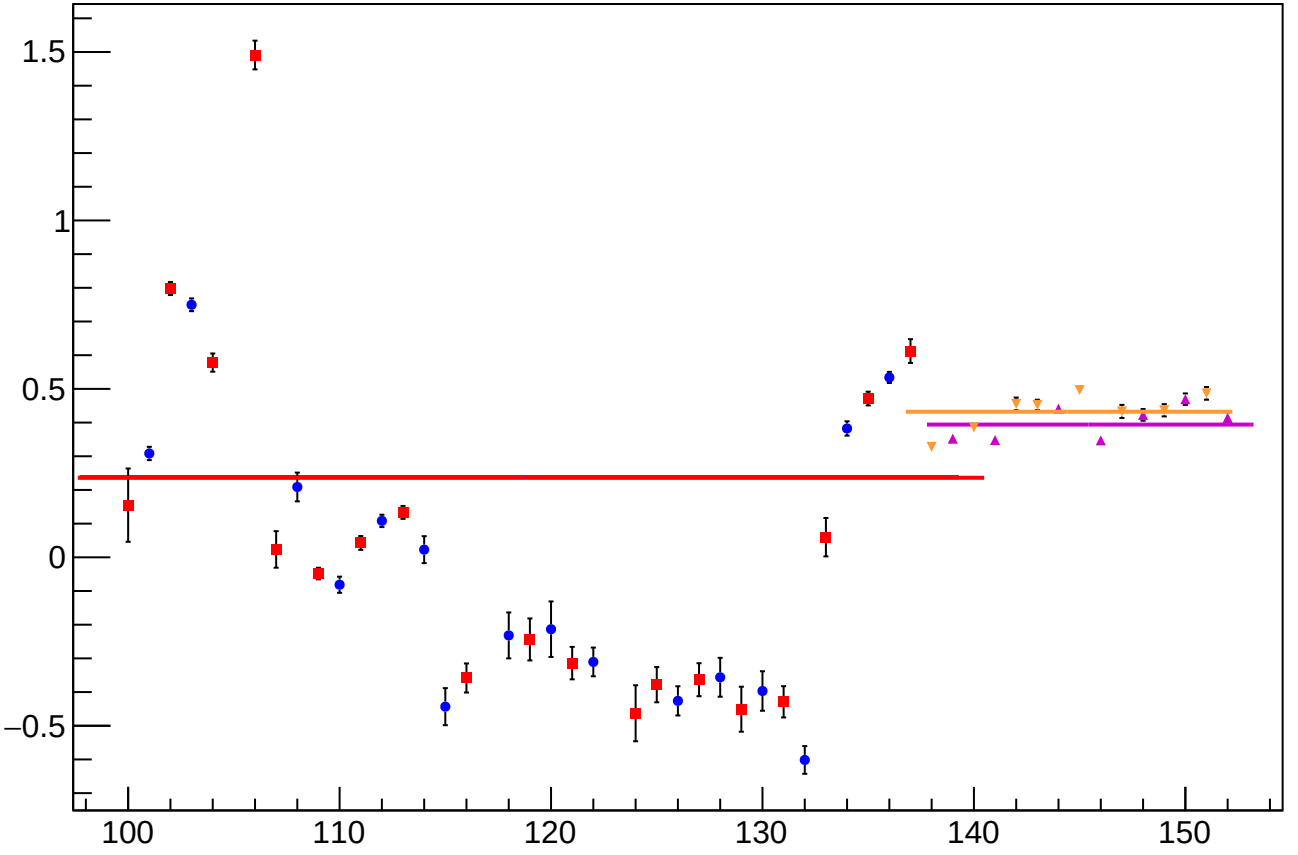
Left In: -17.655+/-0.115 χ^2/NDF:700.8/6

+ sign -16.765+/-0.083 χ^2/NDF: 2267.0/23

All: -16.944+/-0.059 χ^2/NDF: 3707.2/49

- sign -17.129+/-0.085 χ^2/NDF: 1430.8/25

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.432+/-0.005 χ^2/NDF:115.1/7

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

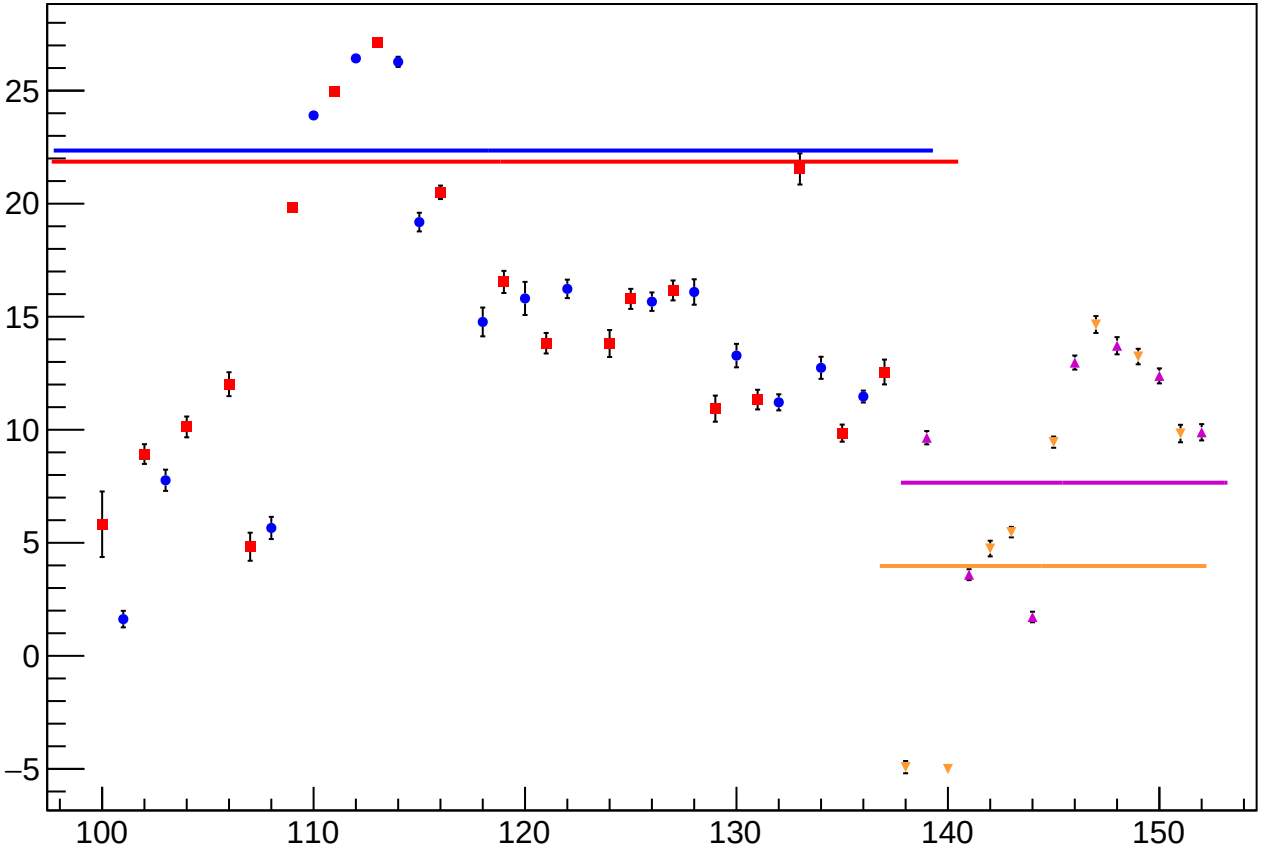
Left In: 0.394+/-0.006 χ^2/NDF:70.5/6

+ sign 0.361+/-0.004 χ^2/NDF: 3229.1/23

All: 0.348+/-0.003 χ^2/NDF: 7223.0/49

- sign 0.335+/-0.004 χ^2/NDF: 3975.1/25

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.975+/-0.100 χ^2/NDF:5143.8/7

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

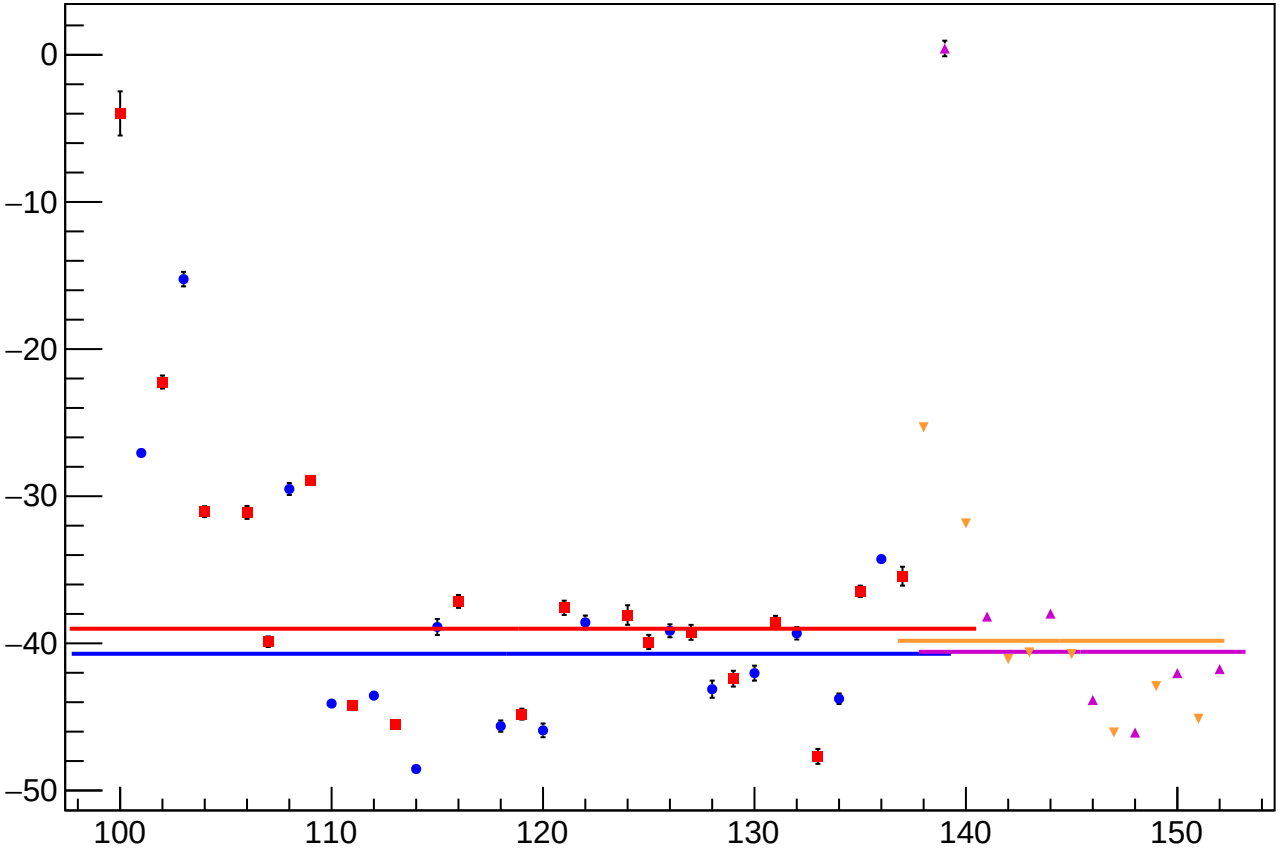
Left In: 7.659+/-0.111 χ^2/NDF:1766.0/6

+ sign 17.867+/-0.049 χ^2/NDF: 43235.9/23

All: 18.944+/-0.032 χ^2/NDF: 70475.0/49

- sign 19.756+/-0.043 χ^2/NDF: 26398.1/25

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.824+/-0.070 χ^2/NDF:7308.5/7

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

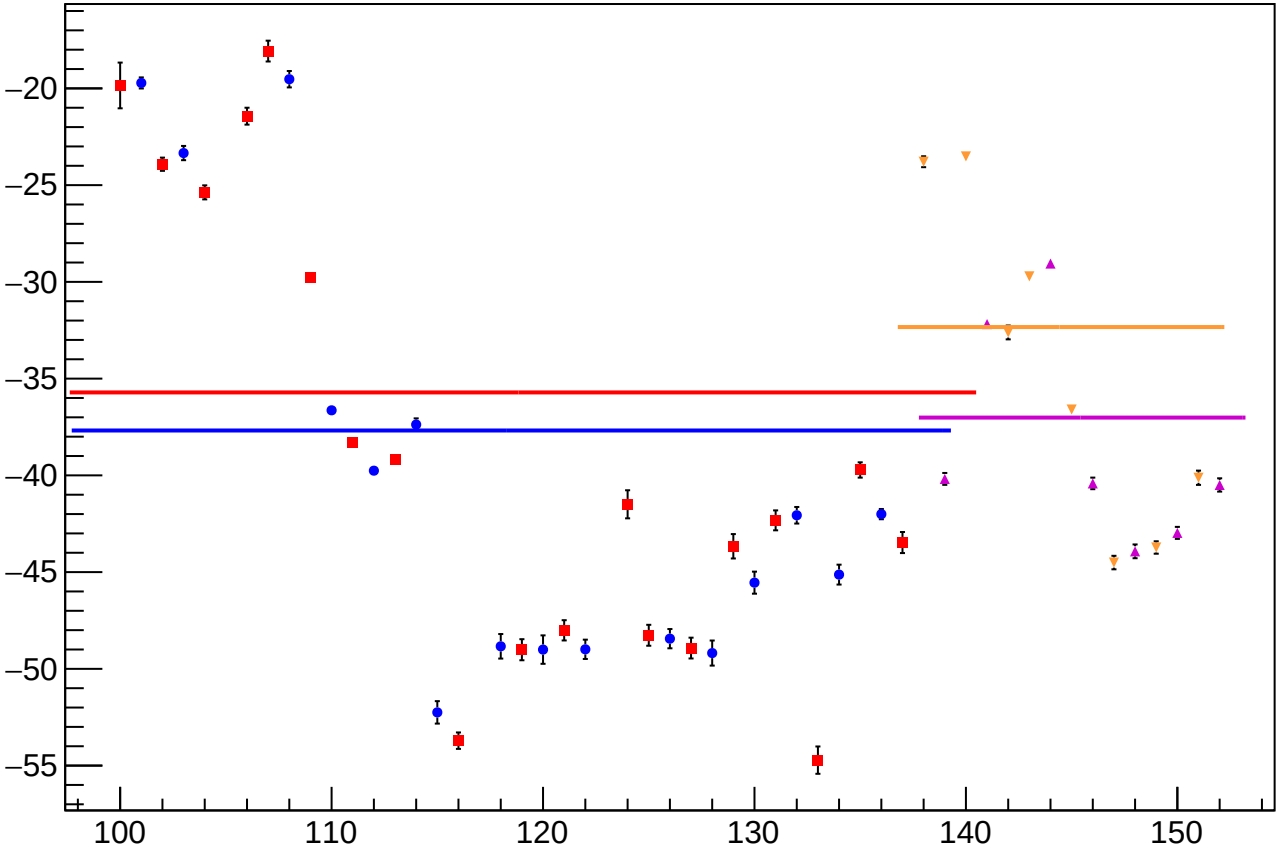
Left In: -40.576+/-0.077 χ^2/NDF:7676.3/6

+ sign -40.229+/-0.052 χ^2/NDF: 15161.4/23

All: -39.979+/-0.037 χ^2/NDF: 33209.8/49

- sign -39.723+/-0.052 χ^2/NDF: 18001.1/25

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -32.335+/-0.100 χ^2/NDF:5839.3/7

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

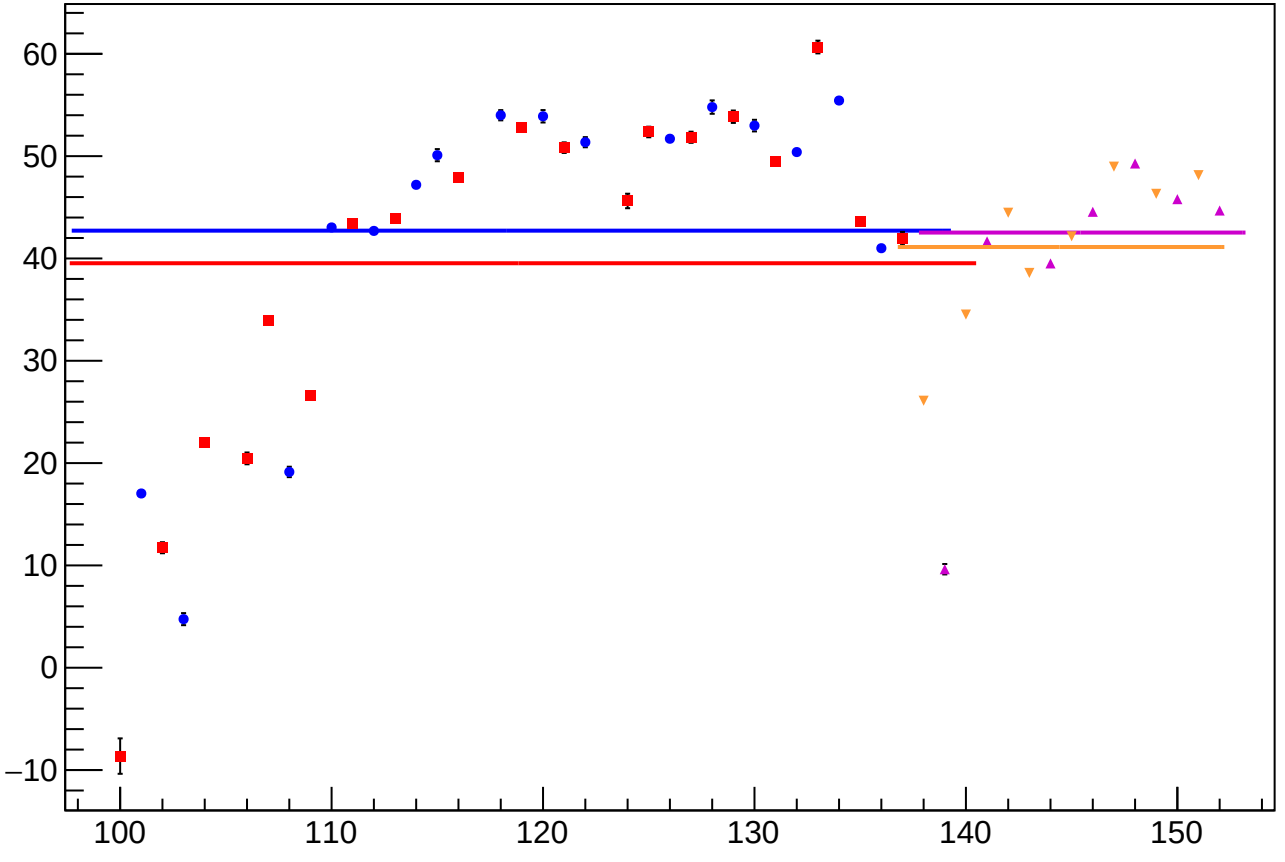
Left In: -37.014+/-0.110 χ^2/NDF:2566.2/6

+ sign -35.809+/-0.059 χ^2/NDF: 18533.8/23

All: -35.934+/-0.041 χ^2/NDF: 34486.6/49

- sign -36.044+/-0.056 χ^2/NDF: 15944.5/25

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.119+/-0.086 χ^2/NDF:5949.2/7

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

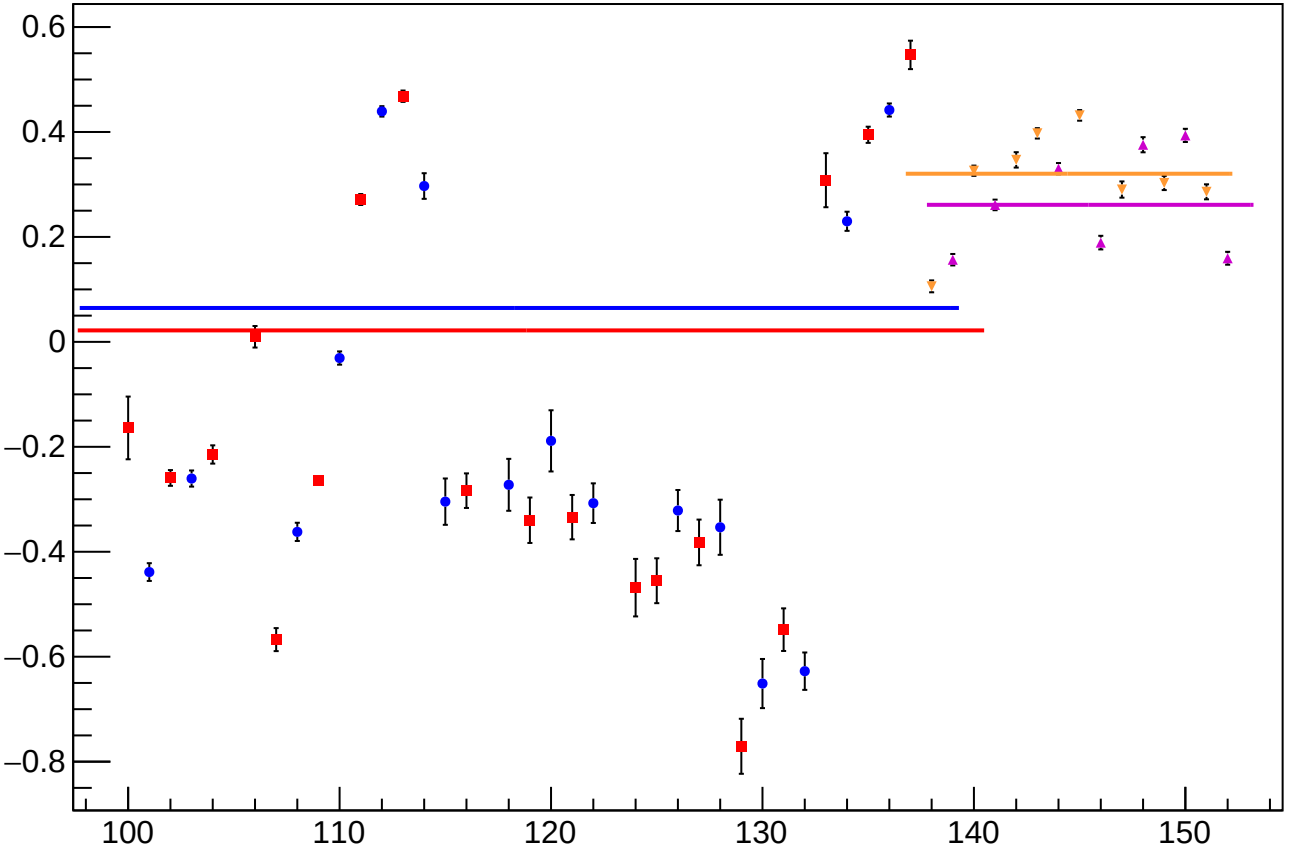
Left In: 42.531+/-0.094 χ^2/NDF:5438.4/6

+ sign 41.924+/-0.060 χ^2/NDF: 20889.6/23

All: 41.339+/-0.043 χ^2/NDF: 45094.8/49

- sign 40.760+/-0.060 χ^2/NDF: 24018.3/25

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.320+/-0.004 χ^2/NDF:552.2/7

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

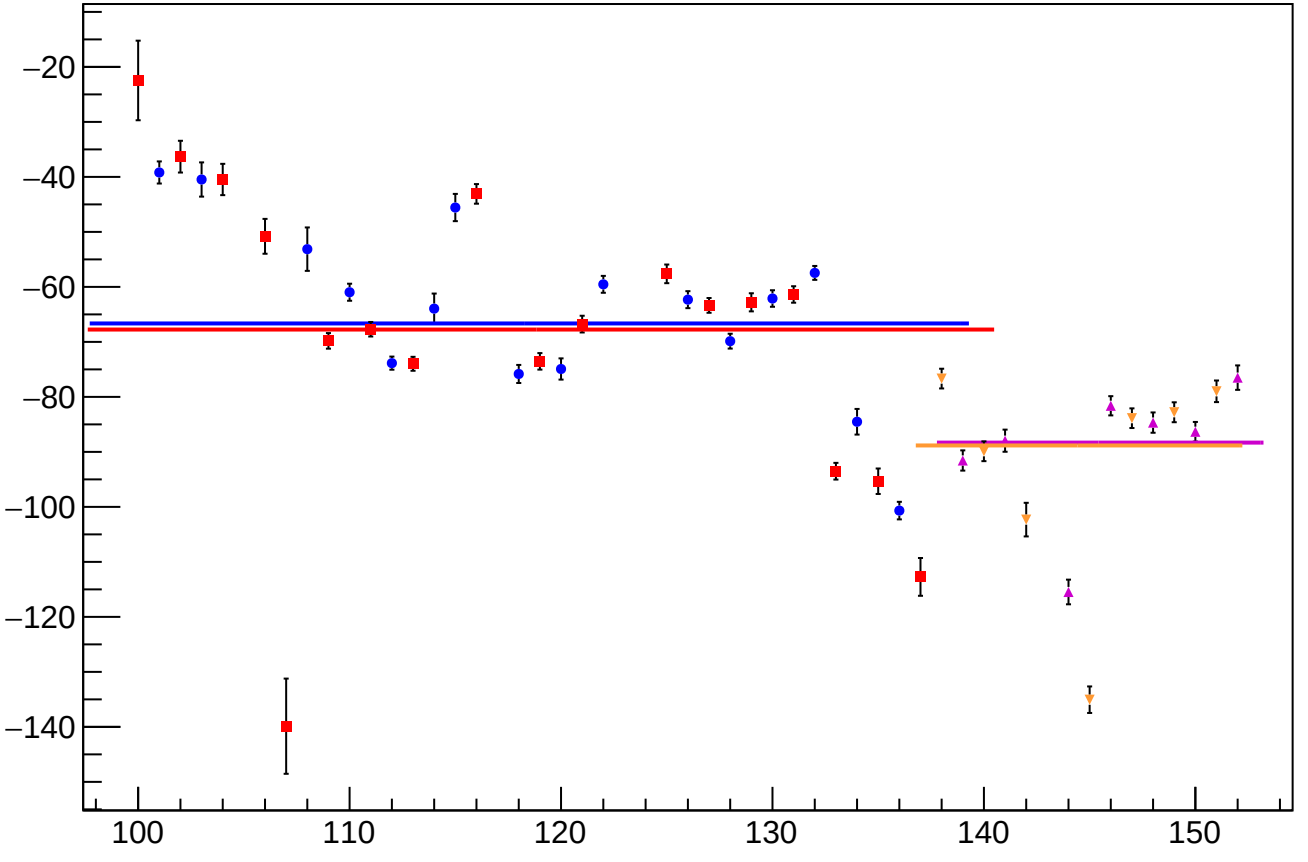
Left In: 0.261+/-0.004 χ^2/NDF:405.7/6

+ sign 0.211+/-0.003 χ^2/NDF: 7650.5/23

All: 0.175+/-0.002 χ^2/NDF: 16187.1/49

- sign 0.140+/-0.003 χ^2/NDF: 8278.3/25

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -88.830+/-0.750 χ^2/NDF:477.3/6

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

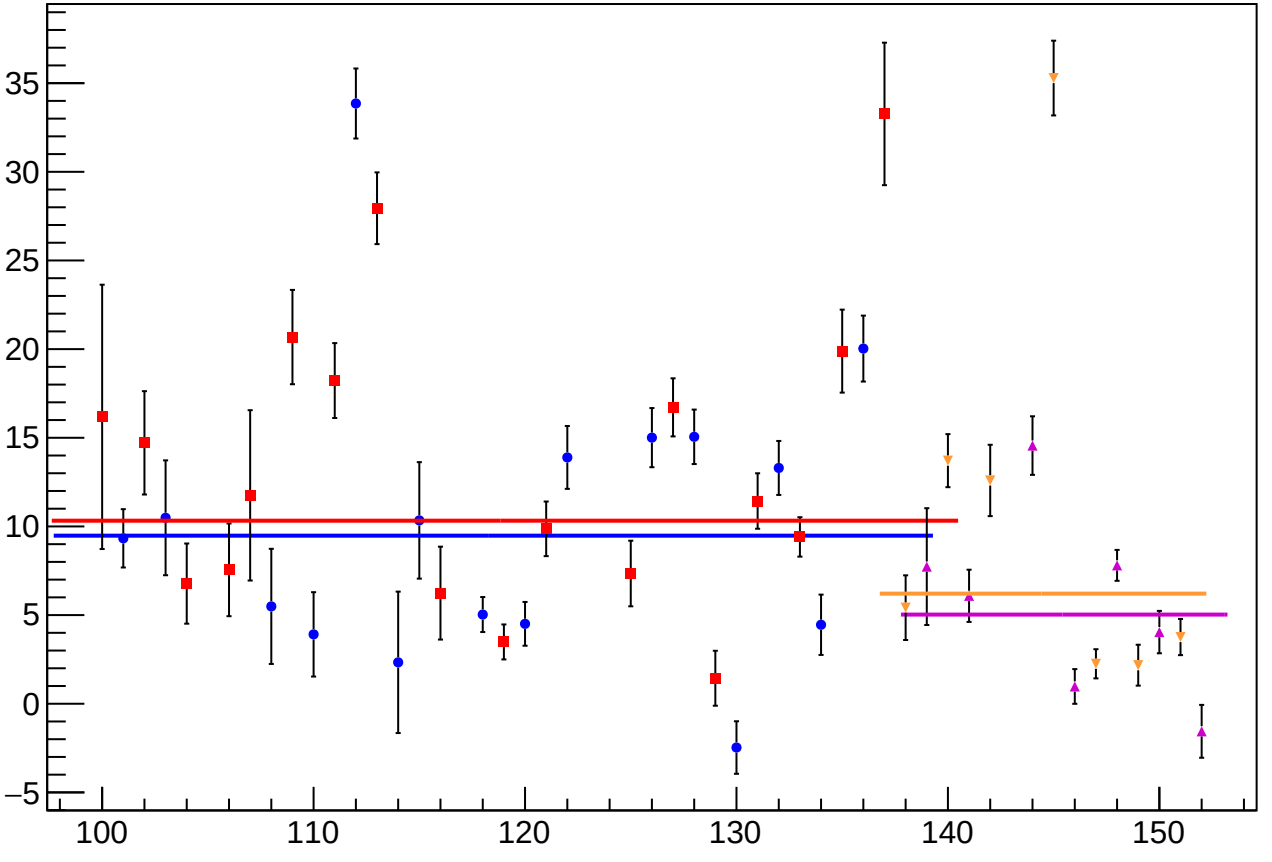
Left In: -88.312+/-0.729 χ^2/NDF:197.8/6

+ sign -72.058+/-0.371 χ^2/NDF: 2190.6/22

All: -72.468+/-0.260 χ^2/NDF: 4243.1/47

- sign -72.863+/-0.364 χ^2/NDF: 2050.0/24

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 6.210+/-0.476 χ^2/NDF:266.8/6

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

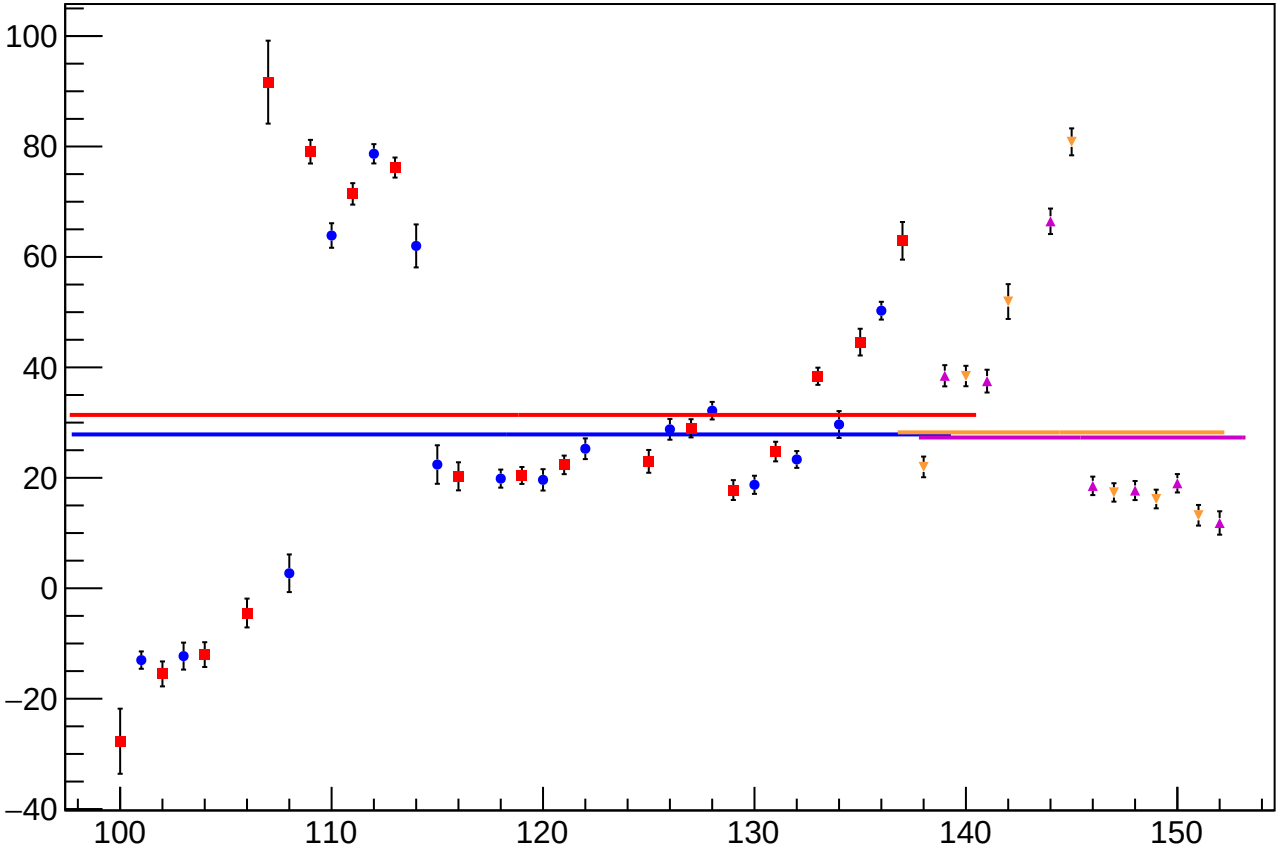
Left In: 5.029+/-0.475 χ^2/NDF:82.0/6

+ sign 8.018+/-0.318 χ^2/NDF: 634.8/22

All: 7.962+/-0.226 χ^2/NDF: 1047.7/47

- sign 7.906+/-0.321 χ^2/NDF: 412.9/24

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 28.234+/-0.737 χ^2/NDF:720.9/6

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

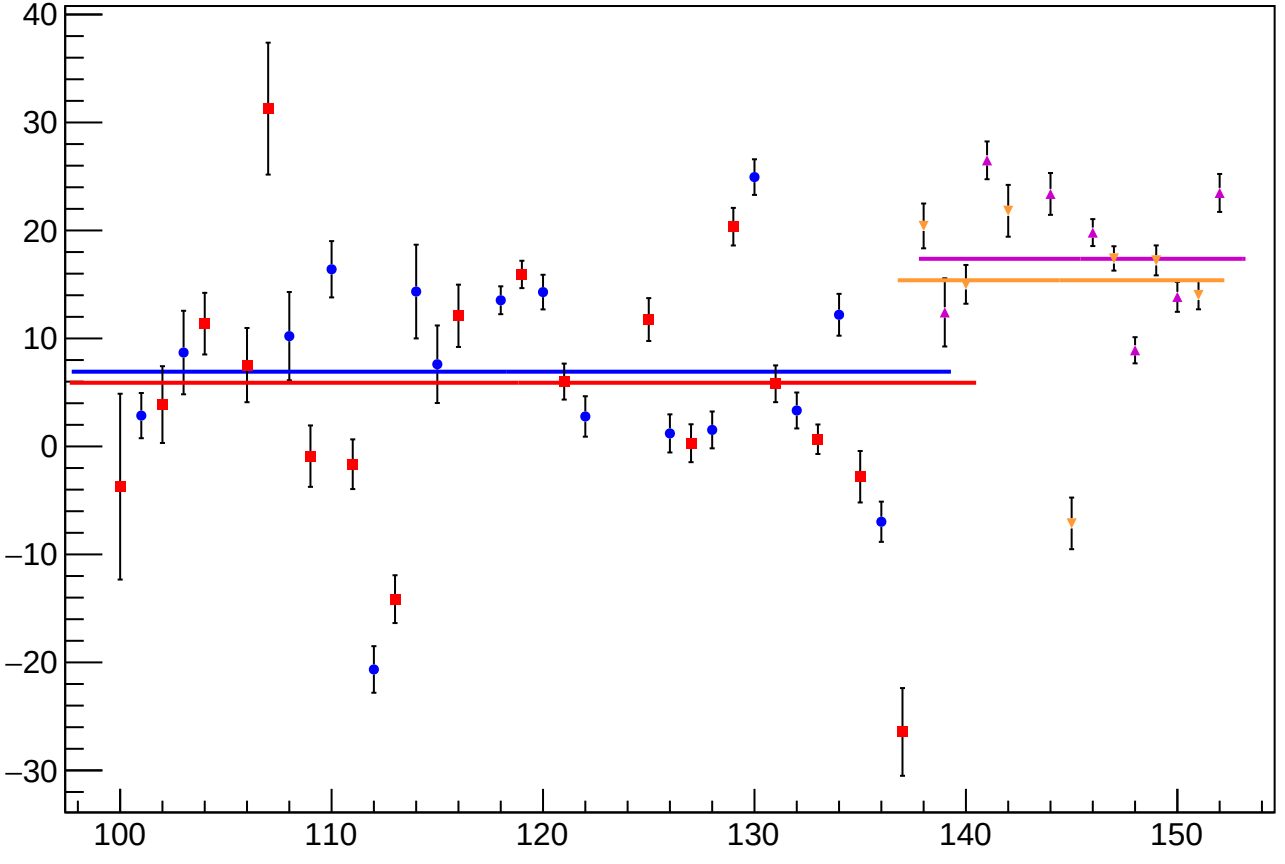
Left In: 27.301+/-0.713 χ^2/NDF:482.3/6

+ sign 27.972+/-0.404 χ^2/NDF: 3195.0/22

All: 29.033+/-0.285 χ^2/NDF: 6725.0/47

- sign 30.089+/-0.402 χ^2/NDF: 3516.2/24

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 15.388+/-0.601 χ^2/NDF:107.9/6

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

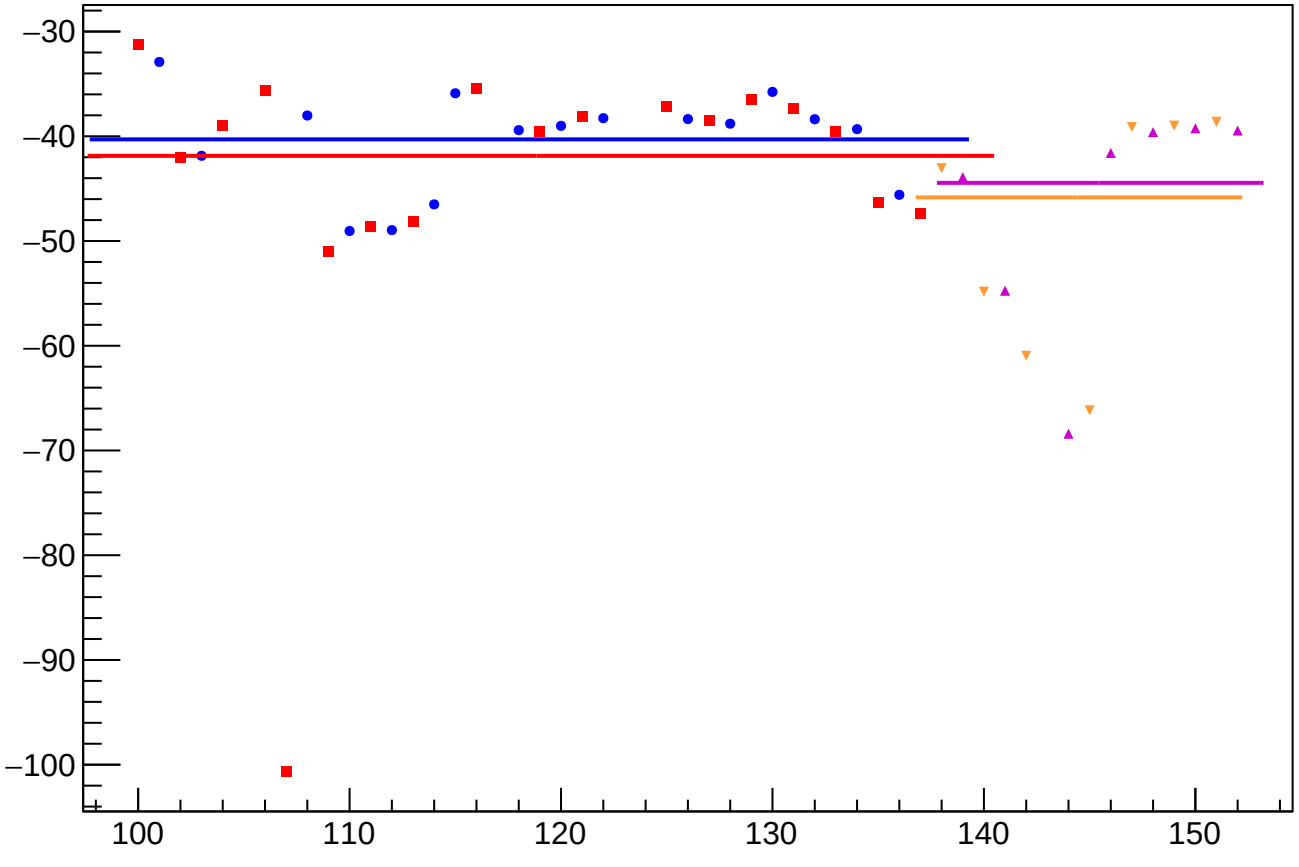
Left In: 17.374+/-0.591 χ^2/NDF:110.4/6

+ sign 10.347+/-0.382 χ^2/NDF: 670.3/22

All: 10.526+/-0.270 χ^2/NDF: 1368.0/47

- sign 10.705+/-0.382 χ^2/NDF: 697.3/24

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -45.835+/-0.031 χ^2/NDF:98766.2/6

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

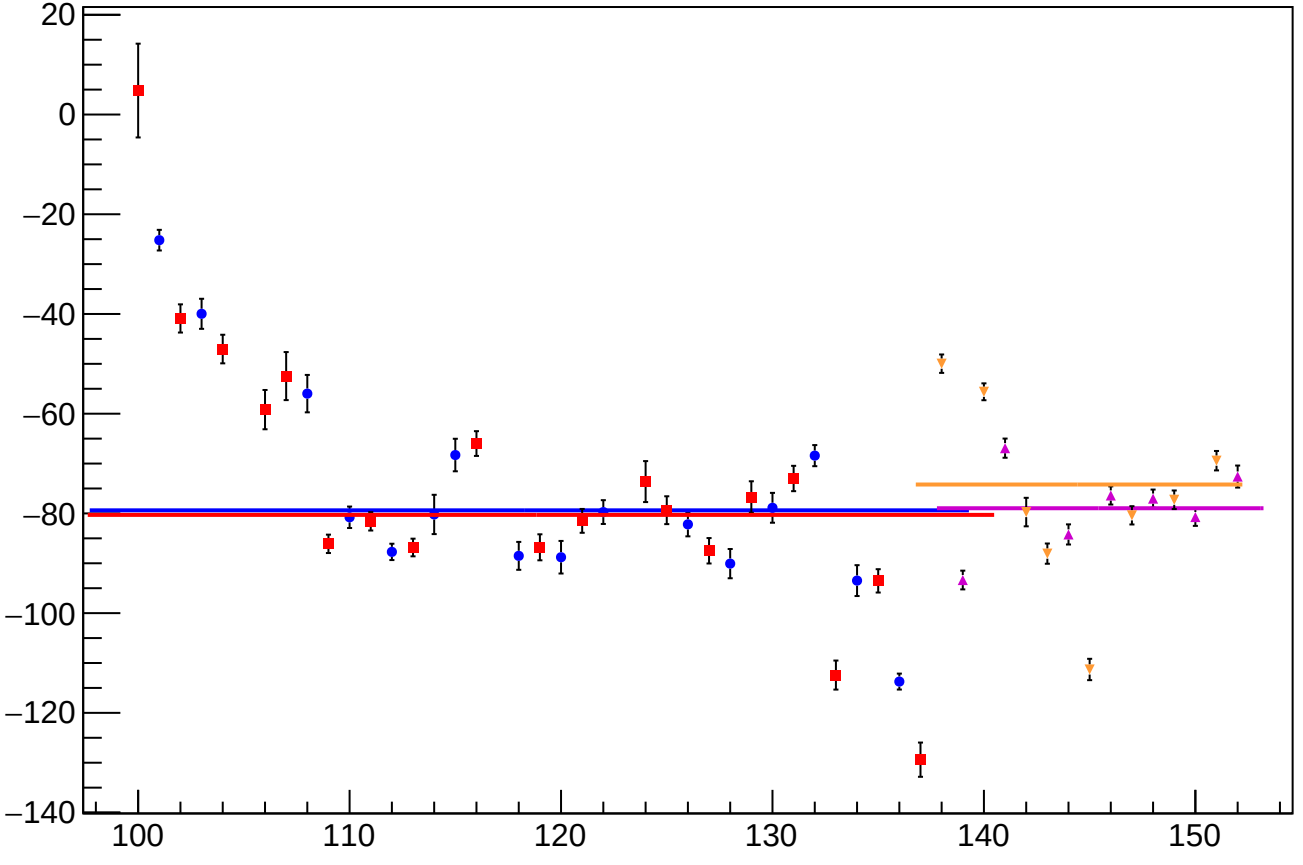
Left In: -44.445+/-0.028 χ^2/NDF:84869.2/6

+ sign -43.128+/-0.022 χ^2/NDF: 135364.3/22

All: -43.223+/-0.015 χ^2/NDF: 282622.2/47

- sign -43.313+/-0.021 χ^2/NDF: 147221.1/24

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -74.204+/-0.694 χ^2/NDF:664.0/7

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

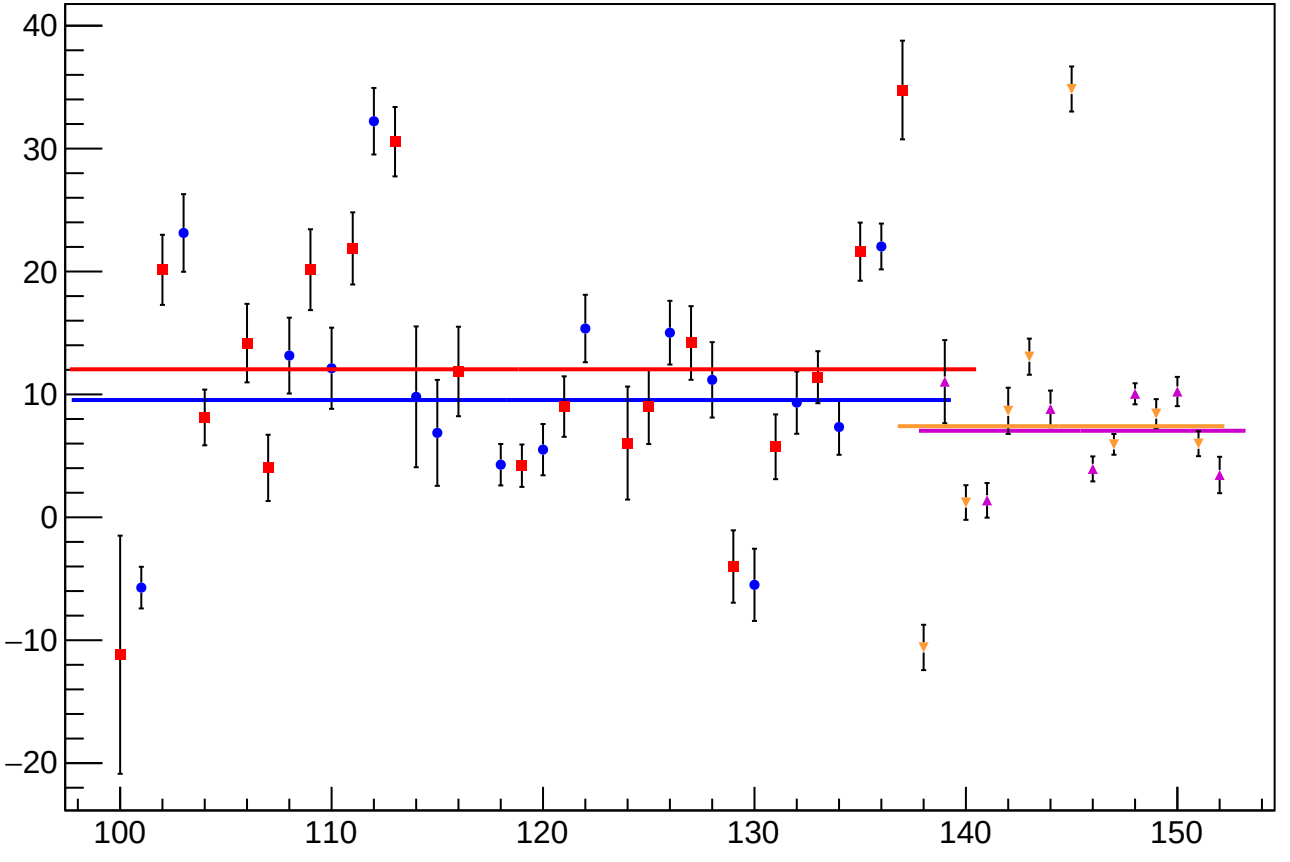
Left In: -78.963+/-0.720 χ^2/NDF:117.1/6

+ sign -77.122+/-0.459 χ^2/NDF: 2171.2/23

All: -78.421+/-0.326 χ^2/NDF: 3221.2/49

- sign -79.745+/-0.463 χ^2/NDF: 1033.8/25

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 7.415+/-0.451 χ^2/NDF:359.9/7

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

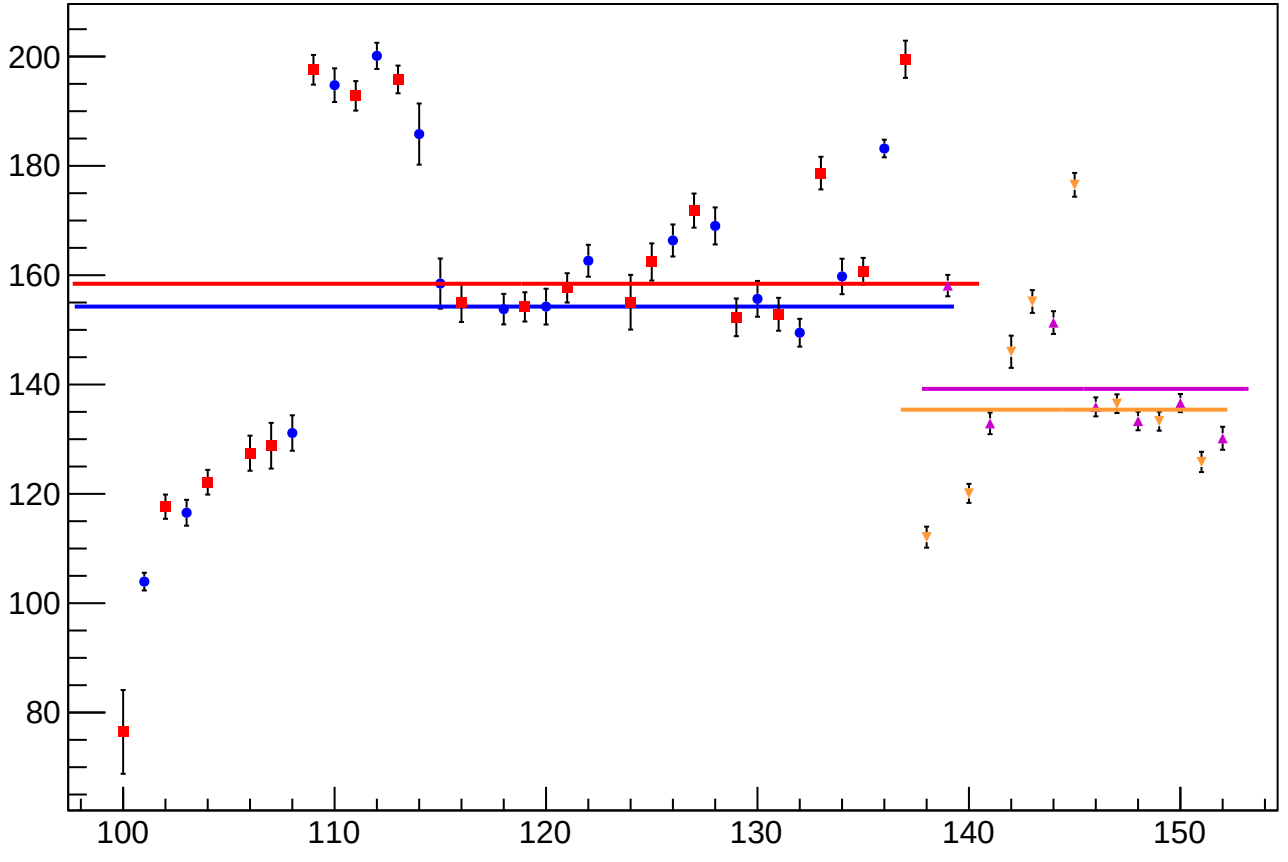
Left In: 7.043+/-0.470 χ^2/NDF:53.7/6

+ sign 8.149+/-0.365 χ^2/NDF: 634.7/23

All: 8.465+/-0.262 χ^2/NDF: 925.7/49

- sign 8.804+/-0.378 χ^2/NDF: 289.5/25

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 135.400+/-0.687 χ^2/NDF:711.9/7

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

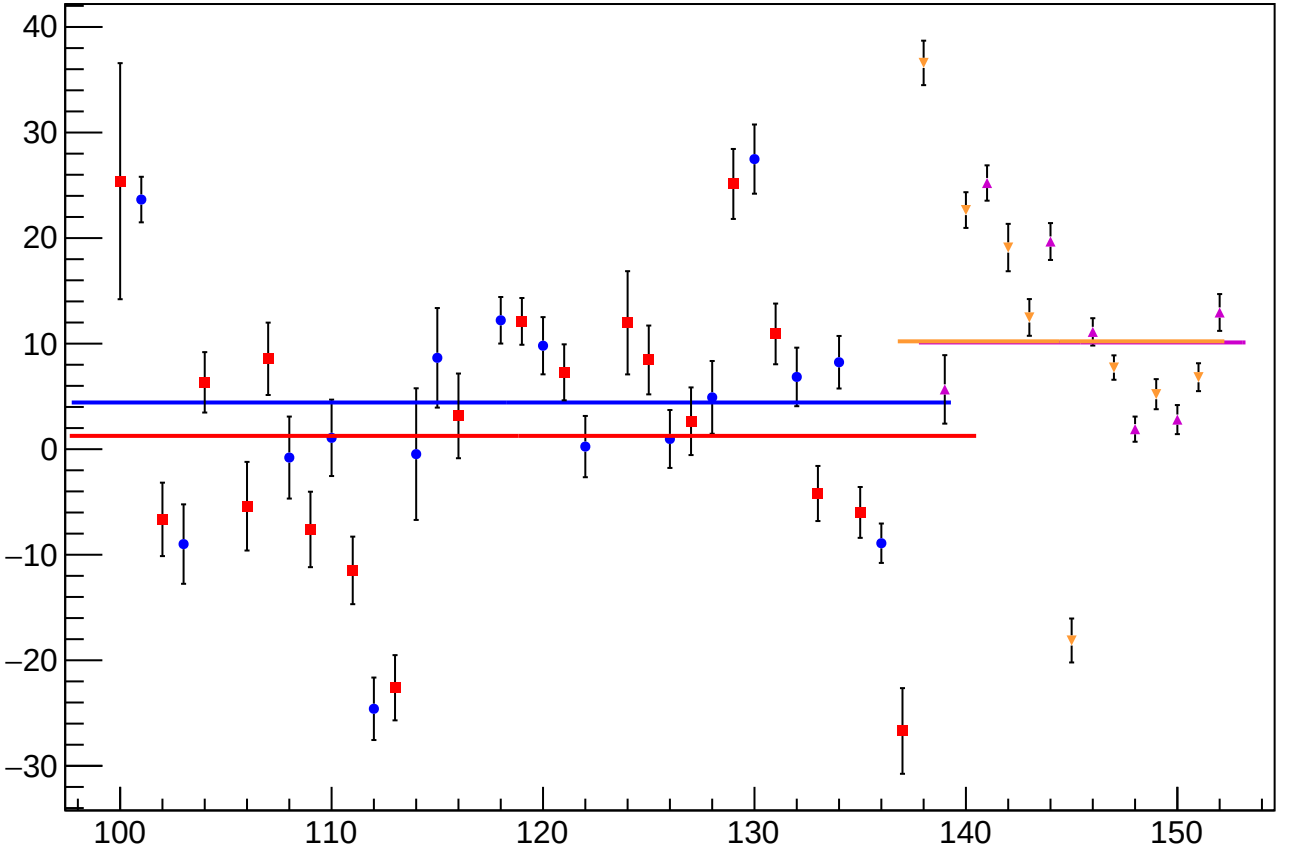
Left In: 139.205+/-0.705 χ^2/NDF:173.7/6

+ sign 145.186+/-0.477 χ^2/NDF: 3316.4/23

All: 147.100+/-0.342 χ^2/NDF: 5571.8/49

- sign 149.125+/-0.490 χ^2/NDF: 2222.2/25

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 10.217+/-0.564 χ^2/NDF:437.0/7

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

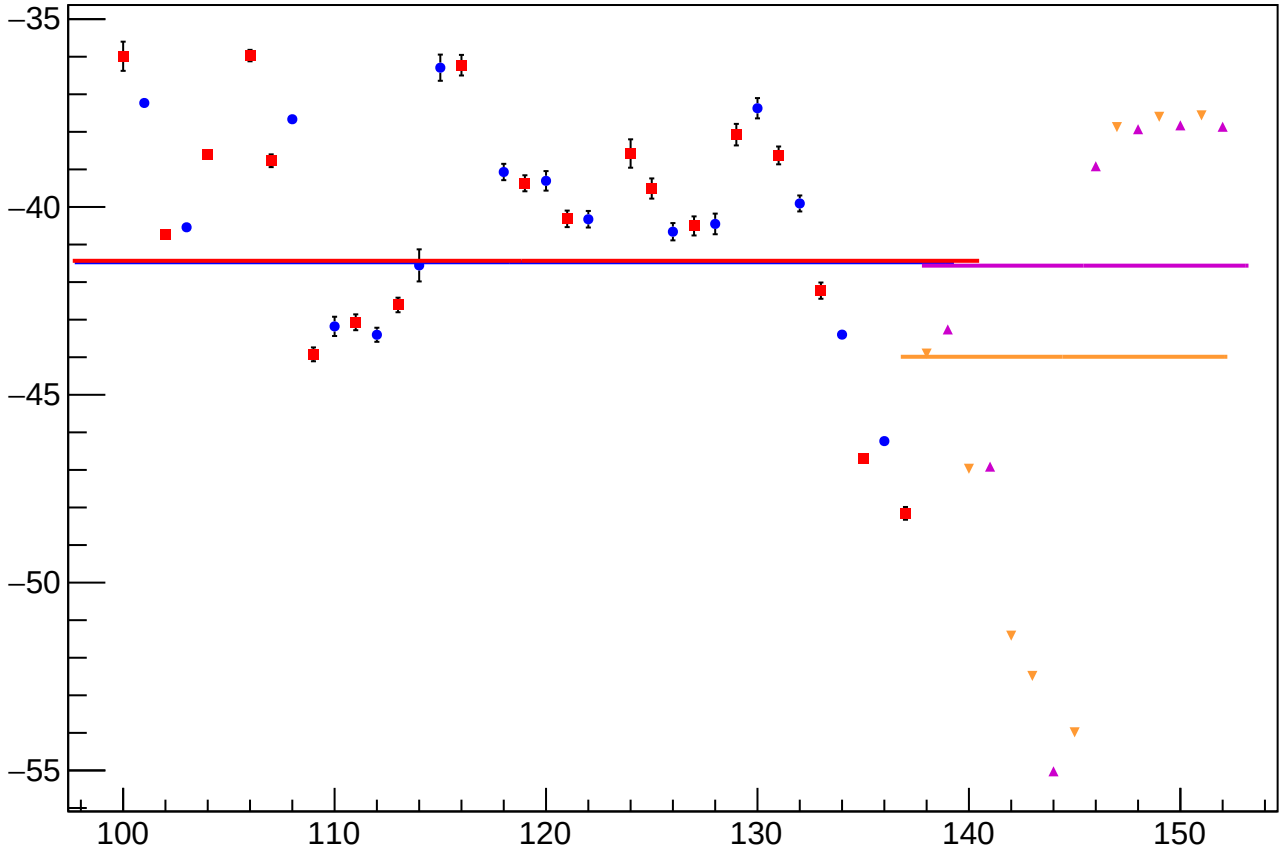
Left In: 10.112+/-0.584 χ^2/NDF:192.2/6

+ sign 7.992+/-0.442 χ^2/NDF: 793.6/23

All: 7.351+/-0.318 χ^2/NDF: 1344.5/49

- sign 6.669+/-0.456 χ^2/NDF: 546.5/25

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -43.988+/-0.029 χ^2/NDF:50157.3/7

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

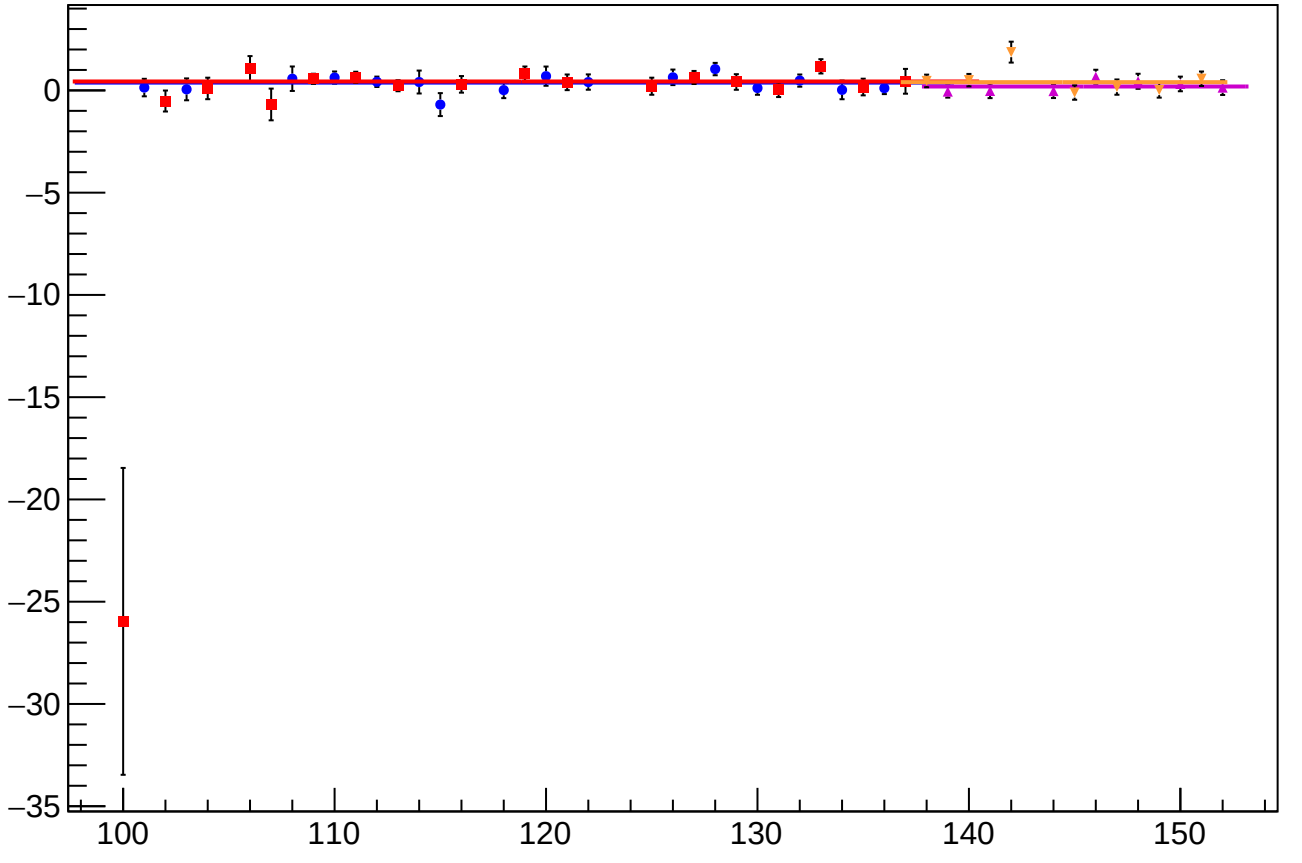
Left In: -41.562+/-0.028 χ^2/NDF:35390.6/6

+ sign -43.080+/-0.023 χ^2/NDF: 60854.2/23

All: -42.300+/-0.016 χ^2/NDF: 106797.6/49

- sign -41.519+/-0.023 χ^2/NDF: 43623.1/25

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.403+/-0.134 χ^2/NDF:12.2/6

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

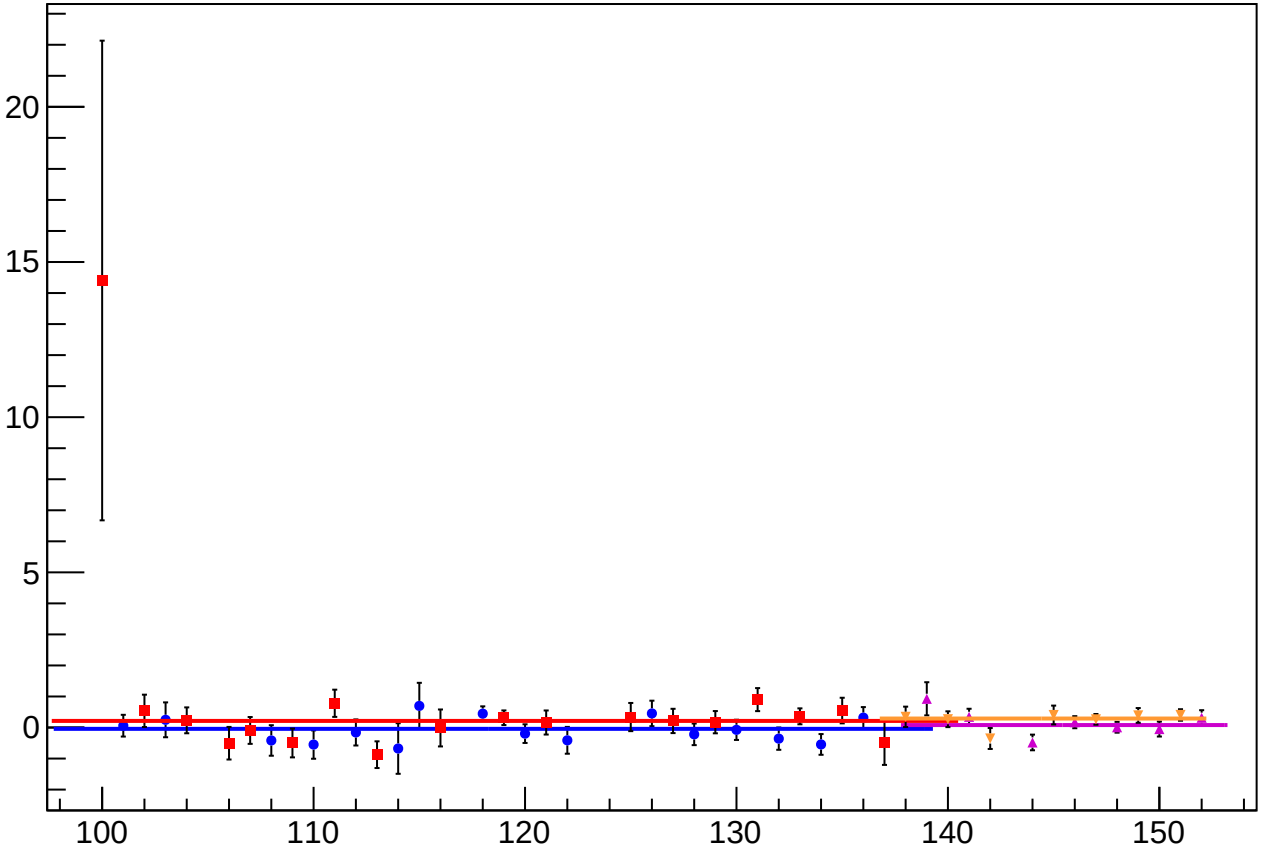
Left In: 0.191+/-0.130 χ^2/NDF:4.1/6

+ sign 0.389+/-0.076 χ^2/NDF: 26.2/22

All: 0.372+/-0.053 χ^2/NDF: 61.8/47

- sign 0.356+/-0.074 χ^2/NDF: 35.5/24

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.290+/-0.089 χ^2/NDF:4.4/6

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

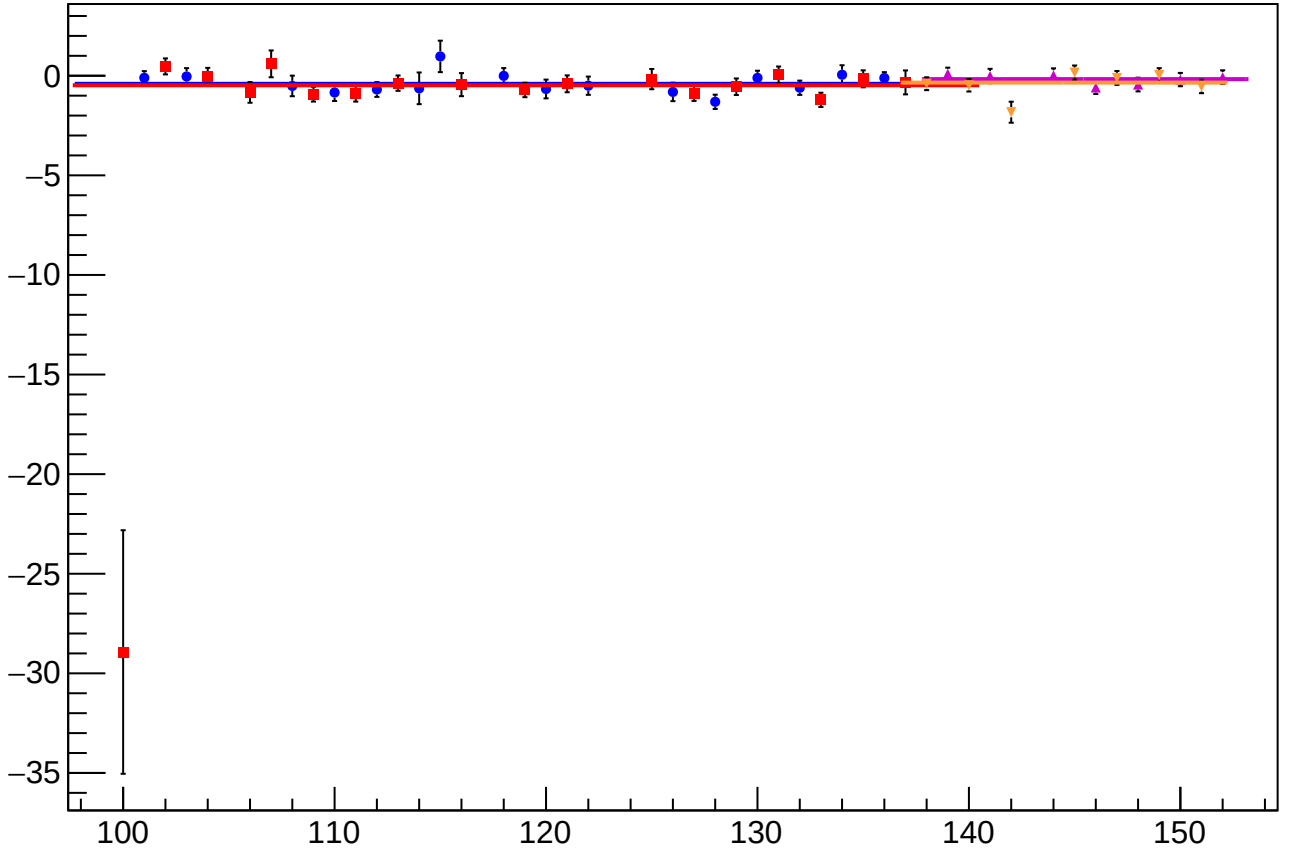
Left In: 0.080+/-0.088 χ^2/NDF:10.1/6

+ sign 0.132+/-0.065 χ^2/NDF: 26.0/22

All: 0.137+/-0.046 χ^2/NDF: 59.6/47

- sign 0.141+/-0.065 χ^2/NDF: 33.6/24

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.344+/-0.133 χ^2/NDF:12.1/6

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

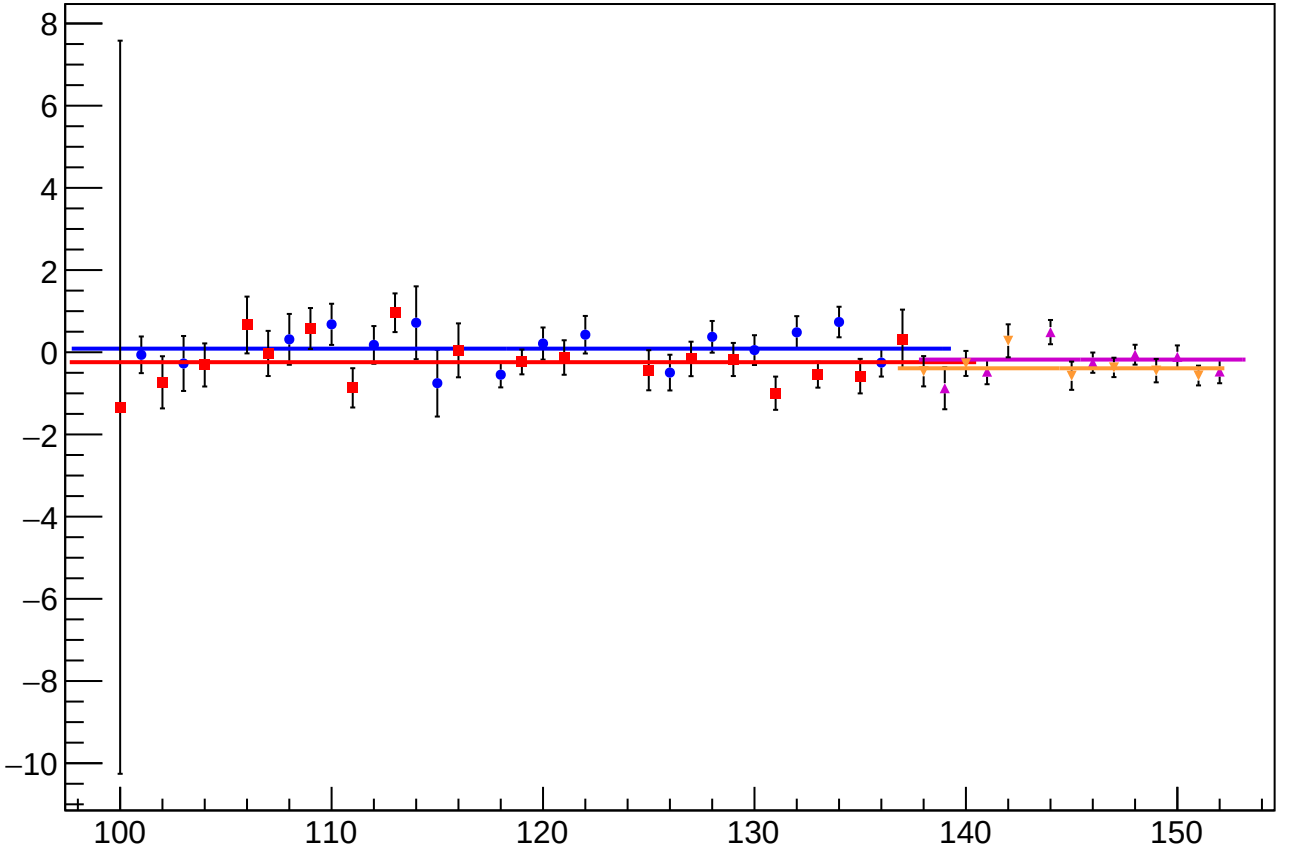
Left In: -0.169+/-0.127 χ^2/NDF:3.6/6

+ sign -0.383+/-0.082 χ^2/NDF: 30.0/22

All: -0.368+/-0.057 χ^2/NDF: 79.4/47

- sign -0.354+/-0.081 χ^2/NDF: 49.4/24

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.390+/-0.112 χ^2/NDF:3.8/6

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

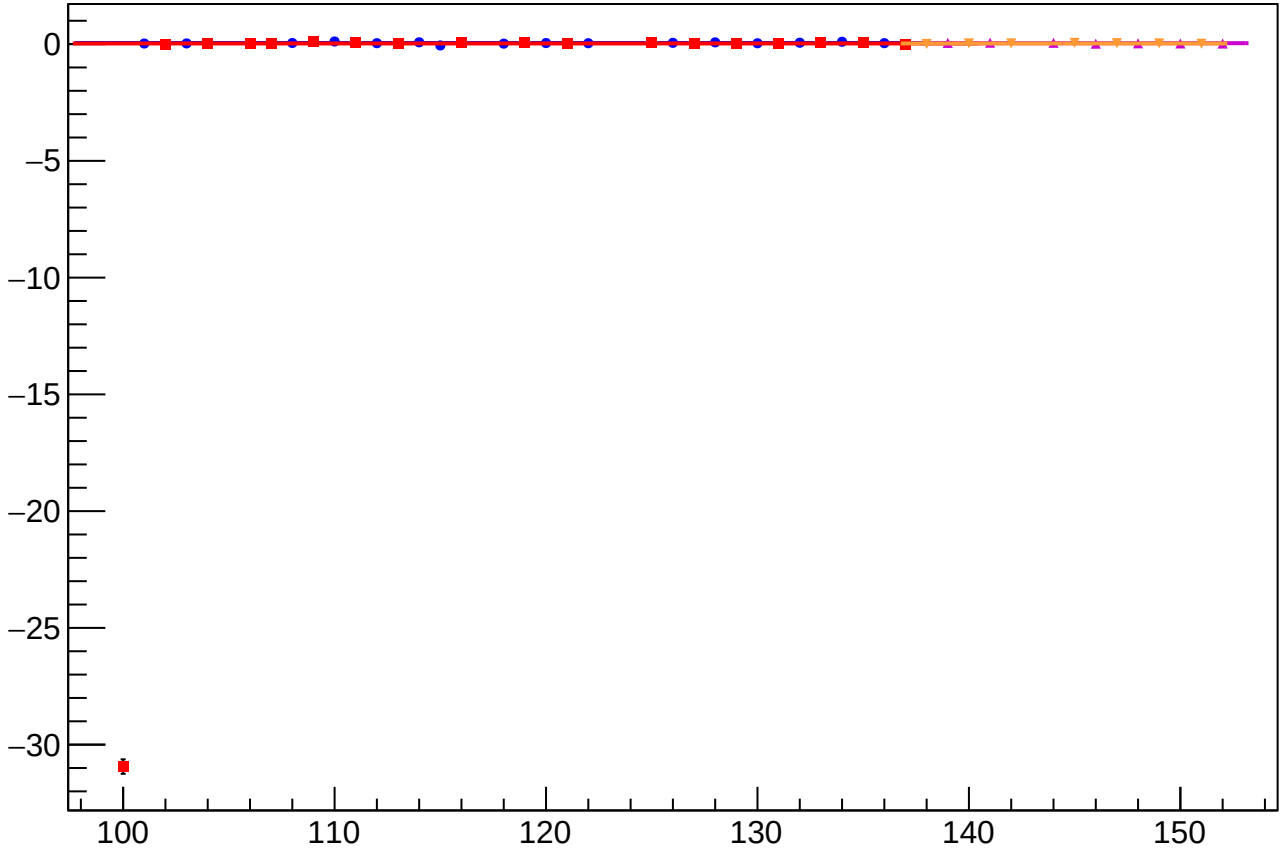
Left In: -0.178+/-0.109 χ^2/NDF:9.3/6

+ sign -0.144+/-0.078 χ^2/NDF: 29.2/22

All: -0.177+/-0.055 χ^2/NDF: 58.6/47

- sign -0.209+/-0.077 χ^2/NDF: 29.1/24

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.005 χ^2/NDF:7.7/6

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

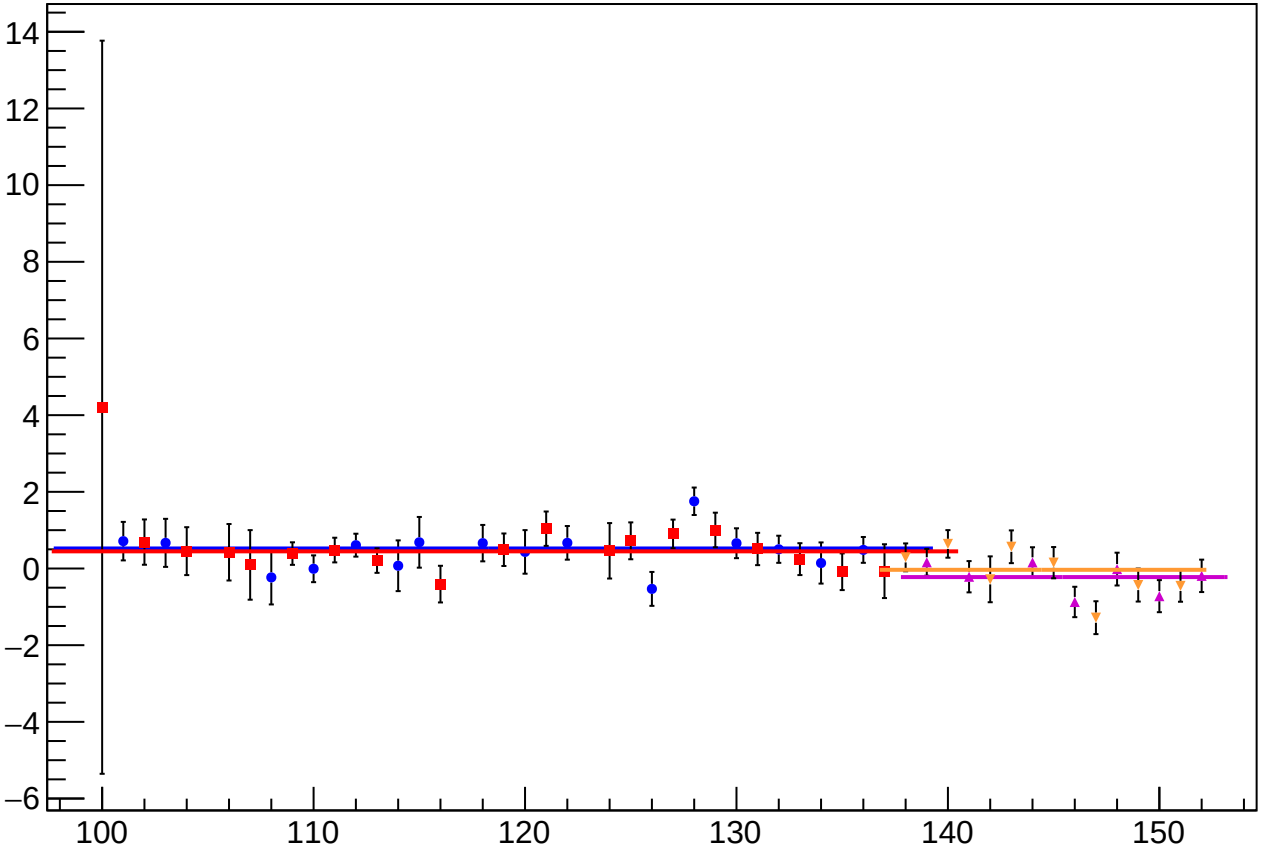
Left In: 0.039+/-0.005 χ^2/NDF:8.8/6

+ sign 0.037+/-0.004 χ^2/NDF: 33.0/22

All: 0.036+/-0.003 χ^2/NDF: 10065.0/47

- sign 0.035+/-0.004 χ^2/NDF: 10031.8/24

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.034+/-0.147 χ^2/NDF:17.1/7

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

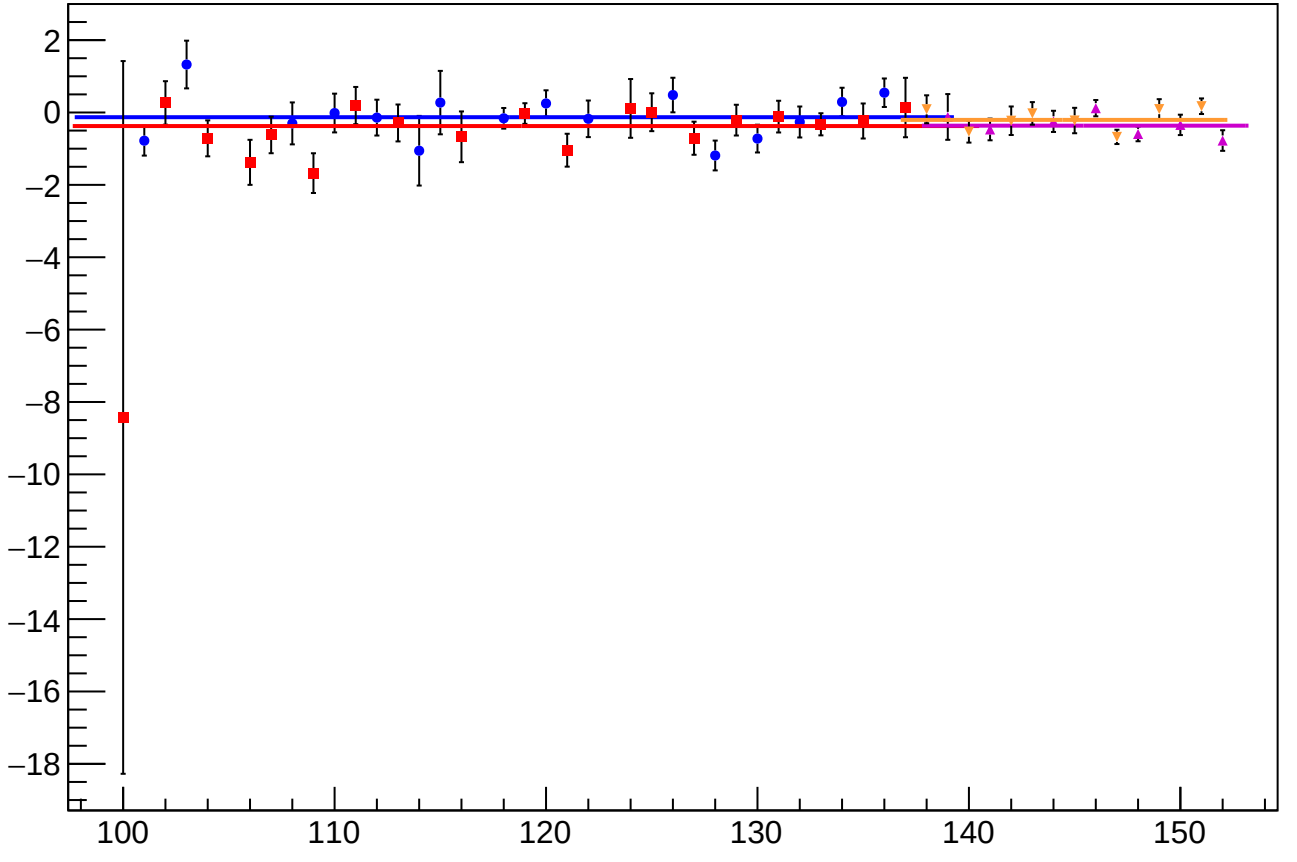
Left In: -0.224+/-0.151 χ^2/NDF:6.5/6

+ sign 0.326+/-0.087 χ^2/NDF: 48.9/23

All: 0.277+/-0.061 χ^2/NDF: 80.8/49

- sign 0.229+/-0.086 χ^2/NDF: 31.2/25

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.205+/-0.099 χ^2/NDF:12.0/7

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

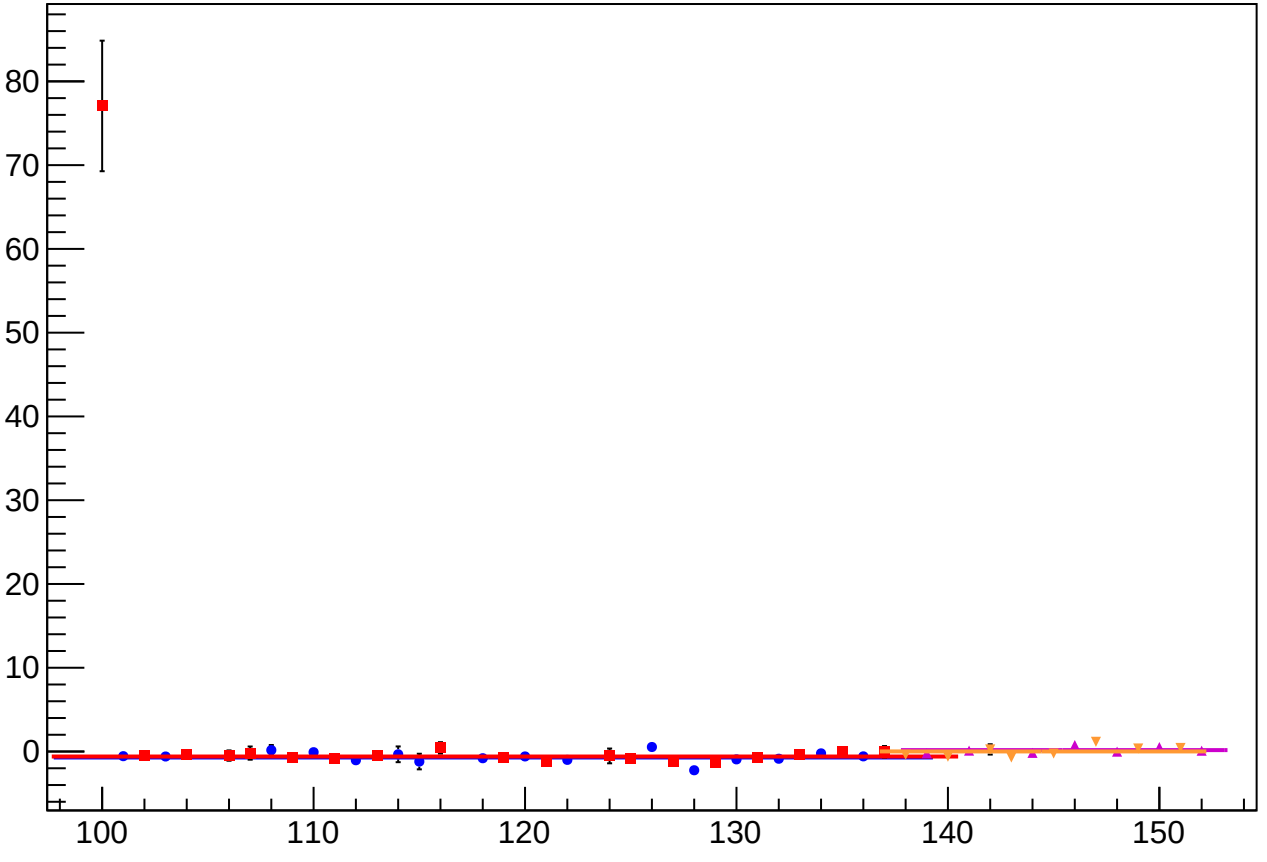
Left In: -0.364+/-0.103 χ^2/NDF:8.4/6

+ sign -0.172+/-0.074 χ^2/NDF: 36.8/23

All: -0.268+/-0.053 χ^2/NDF: 66.9/49

- sign -0.369+/-0.076 χ^2/NDF: 26.6/25

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.011+/-0.146 χ^2/NDF:17.4/7

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

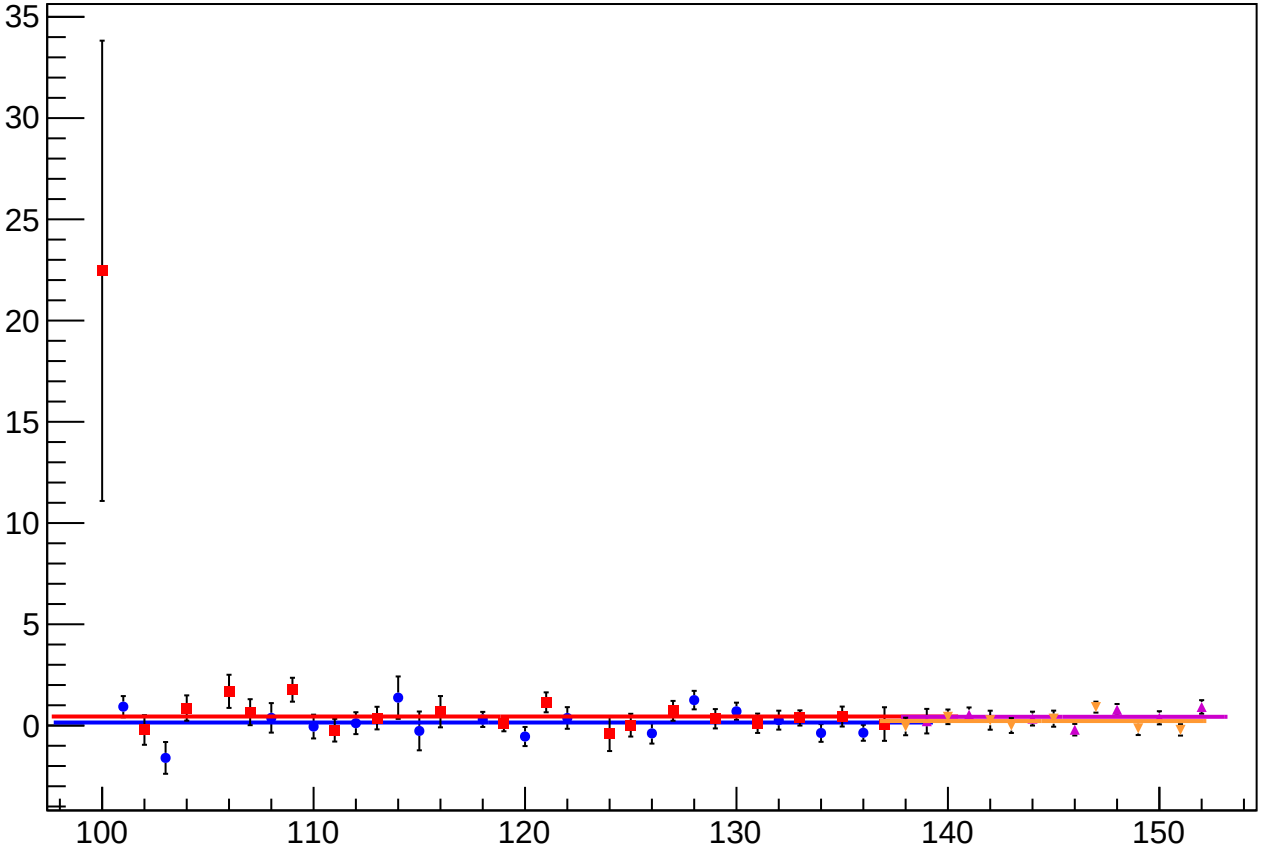
Left In: 0.168+/-0.149 χ^2/NDF:5.3/6

+ sign -0.417+/-0.093 χ^2/NDF: 56.8/23

All: -0.355+/-0.066 χ^2/NDF: 189.8/49

- sign -0.291+/-0.094 χ^2/NDF: 132.1/25

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.220+/-0.122 χ^2/NDF:11.3/7

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

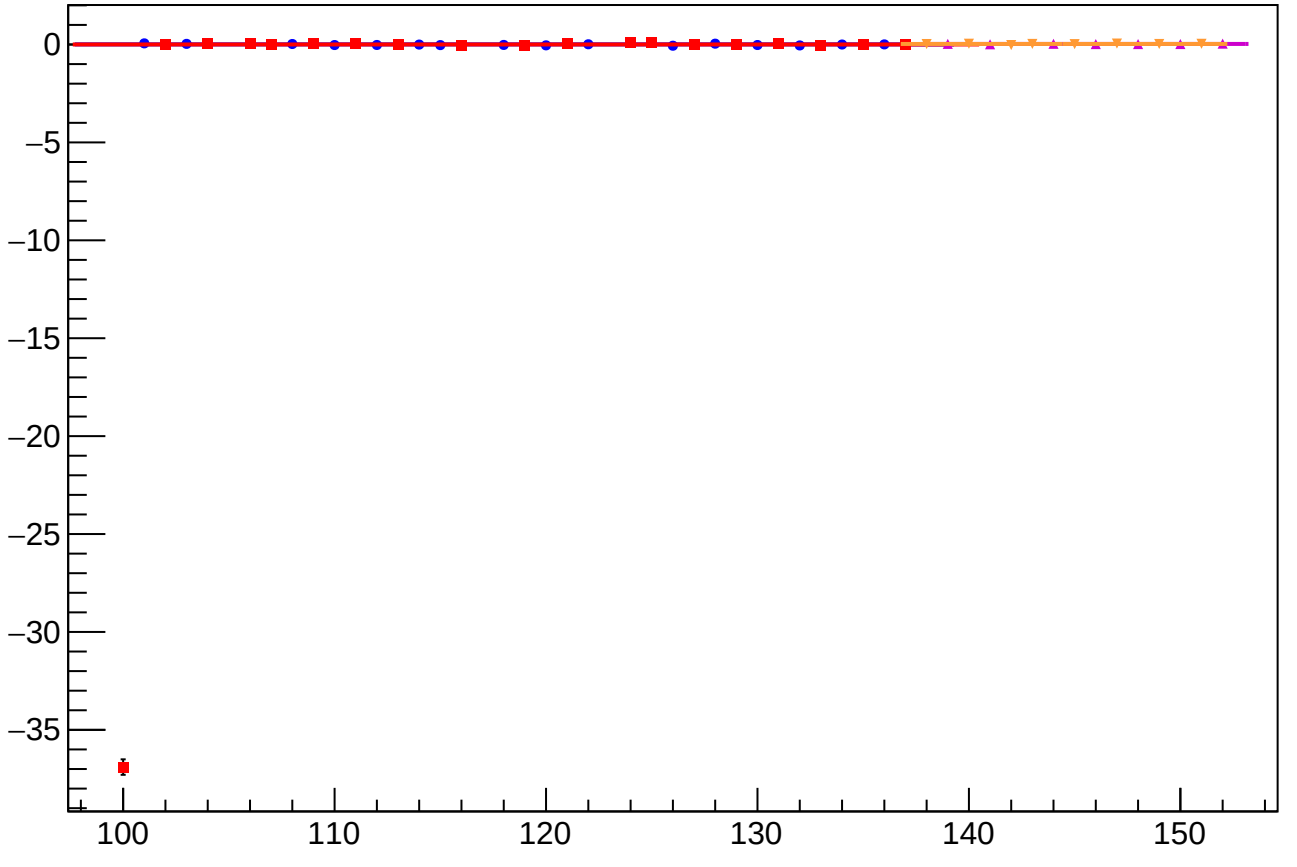
Left In: 0.430+/-0.127 χ^2/NDF:9.0/6

+ sign 0.186+/-0.088 χ^2/NDF: 34.7/23

All: 0.309+/-0.063 χ^2/NDF: 67.3/49

- sign 0.438+/-0.090 χ^2/NDF: 28.7/25

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.028+/-0.006 χ^2/NDF:7.4/7

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

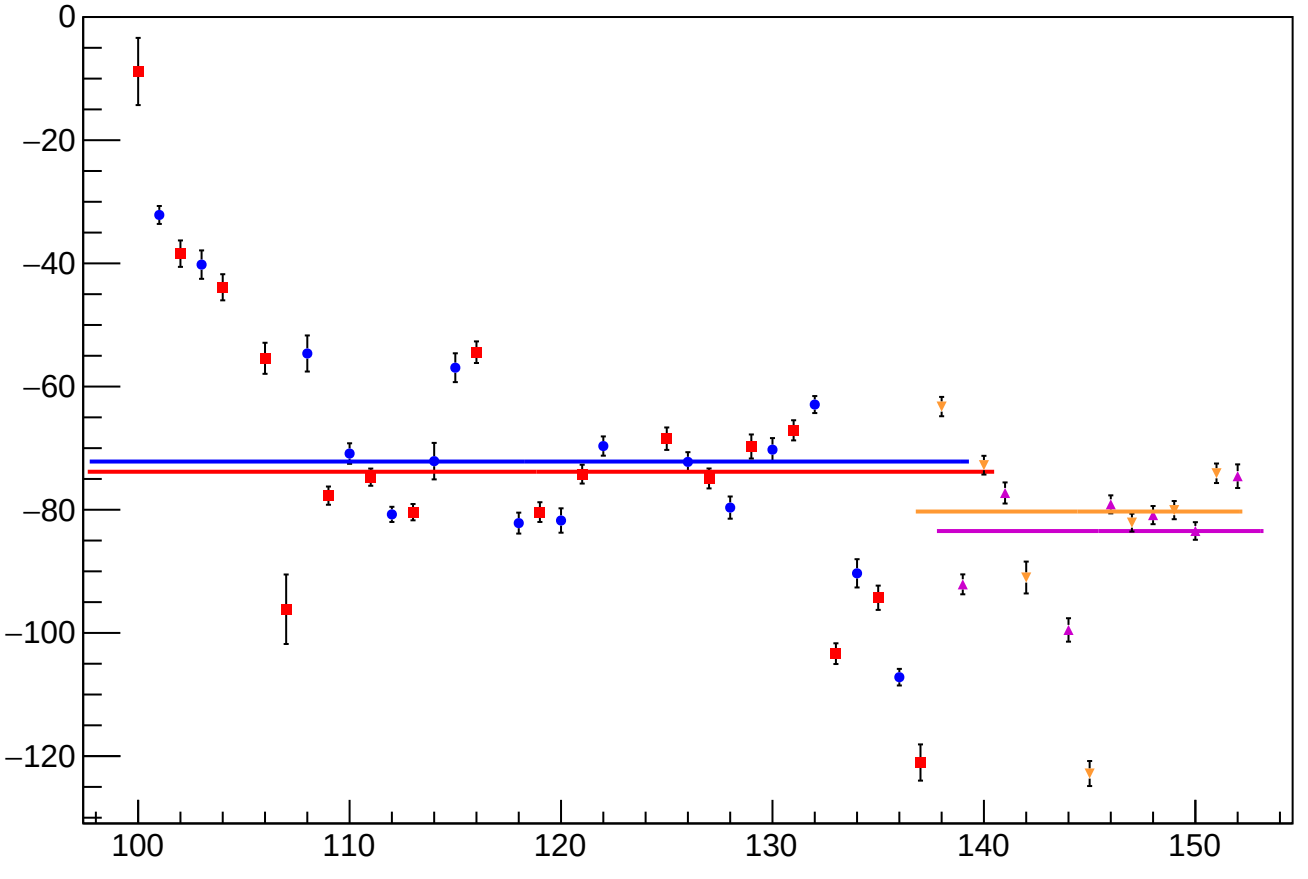
Left In: 0.029+/-0.006 χ^2/NDF:2.9/6

+ sign 0.019+/-0.005 χ^2/NDF: 30.0/23

All: 0.019+/-0.003 χ^2/NDF: 8794.2/49

- sign 0.019+/-0.005 χ^2/NDF: 8764.2/25

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -80.290+/-0.624 χ^2/NDF:614.6/6

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

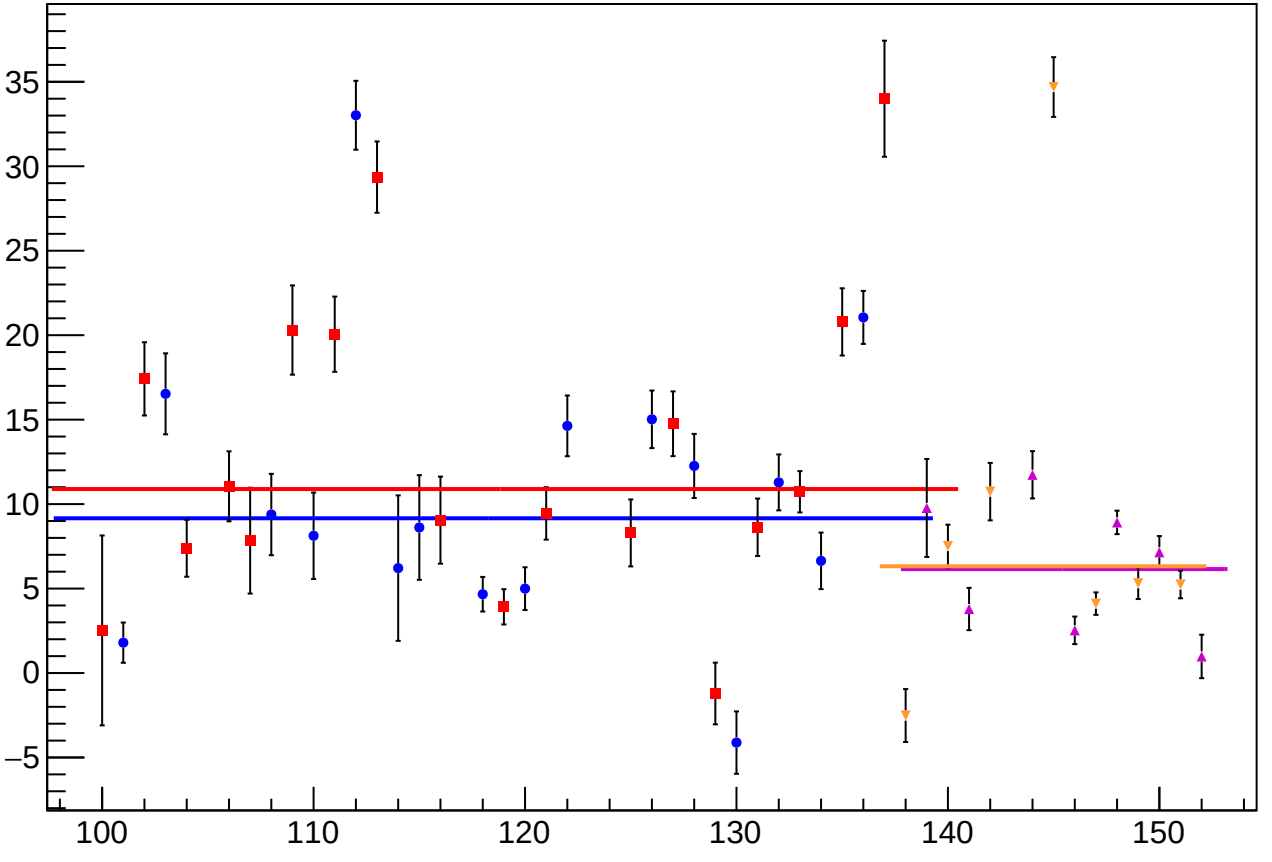
Left In: -83.457+/-0.610 χ^2/NDF:146.3/6

+ sign -74.800+/-0.355 χ^2/NDF: 2664.9/22

All: -75.927+/-0.250 χ^2/NDF: 4555.0/47

- sign -77.032+/-0.352 χ^2/NDF: 1870.2/24

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 6.321+/-0.390 χ^2/NDF:310.9/6

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

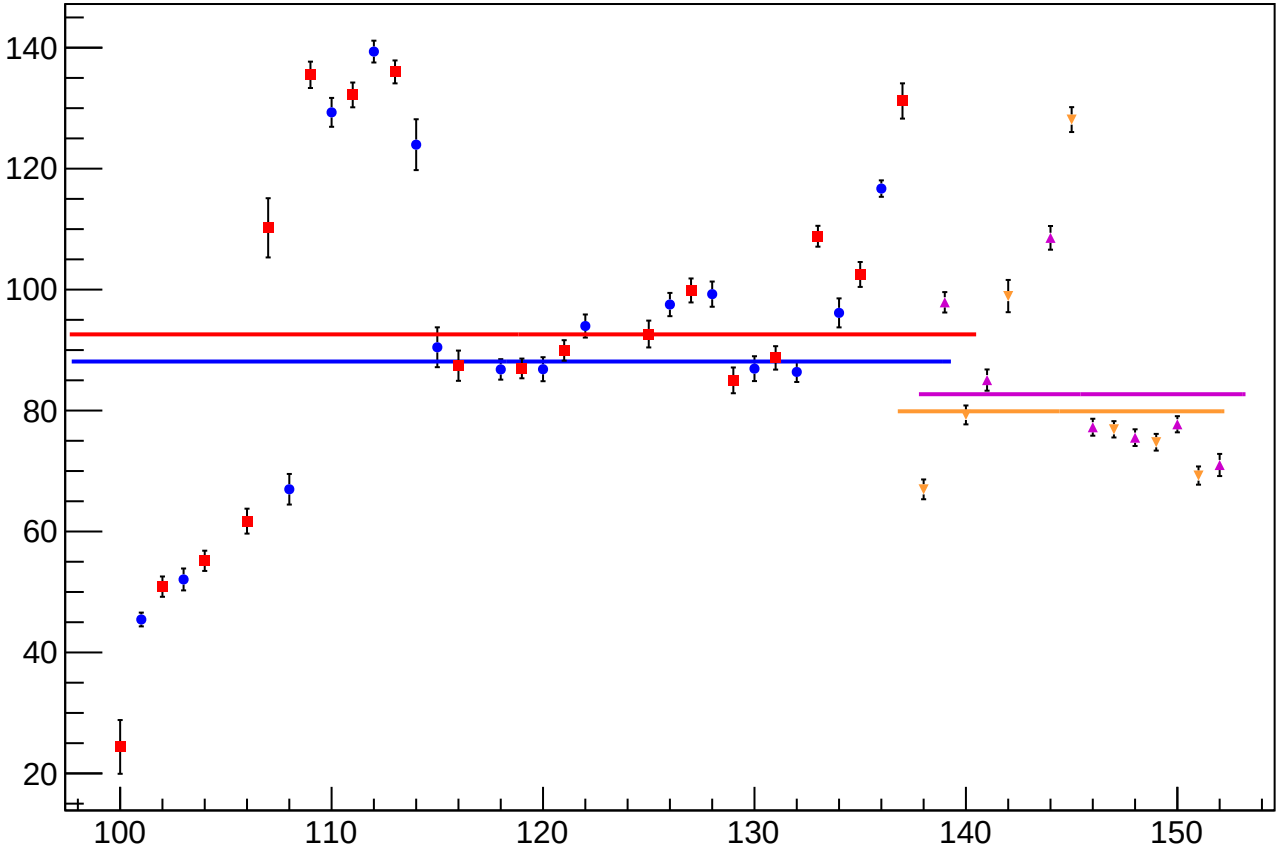
Left In: 6.154+/-0.391 χ^2/NDF:73.8/6

+ sign 7.618+/-0.287 χ^2/NDF: 687.3/22

All: 7.926+/-0.205 χ^2/NDF: 1118.4/47

- sign 8.245+/-0.292 χ^2/NDF: 428.8/24

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 79.876+/-0.612 χ^2/NDF:730.8/6

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

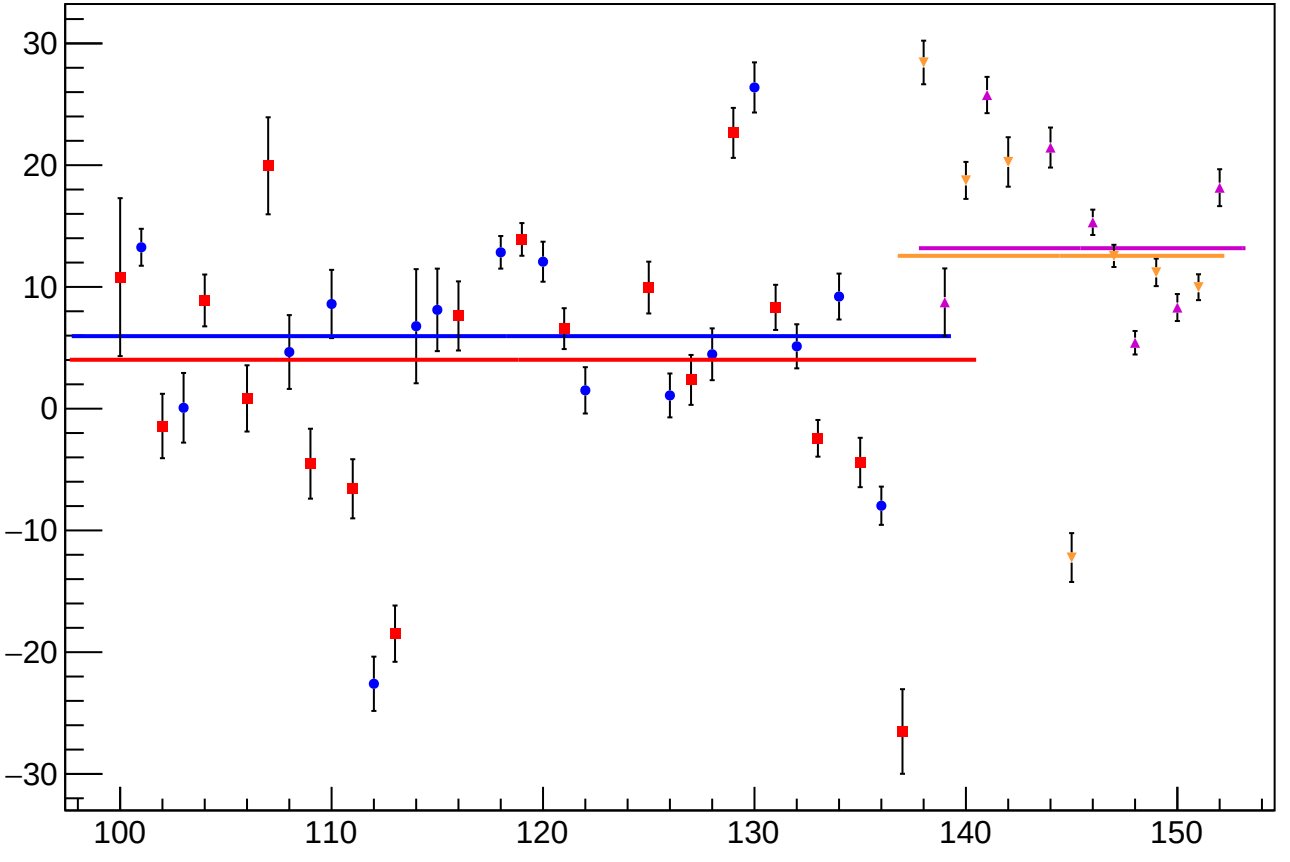
Left In: 82.702+/-0.594 χ^2/NDF:354.2/6

+ sign 85.063+/-0.372 χ^2/NDF: 4406.7/22

All: 86.847+/-0.264 χ^2/NDF: 8185.1/47

- sign 88.660+/-0.375 χ^2/NDF: 3732.1/24

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 12.553+/-0.493 χ^2/NDF:269.6/6

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

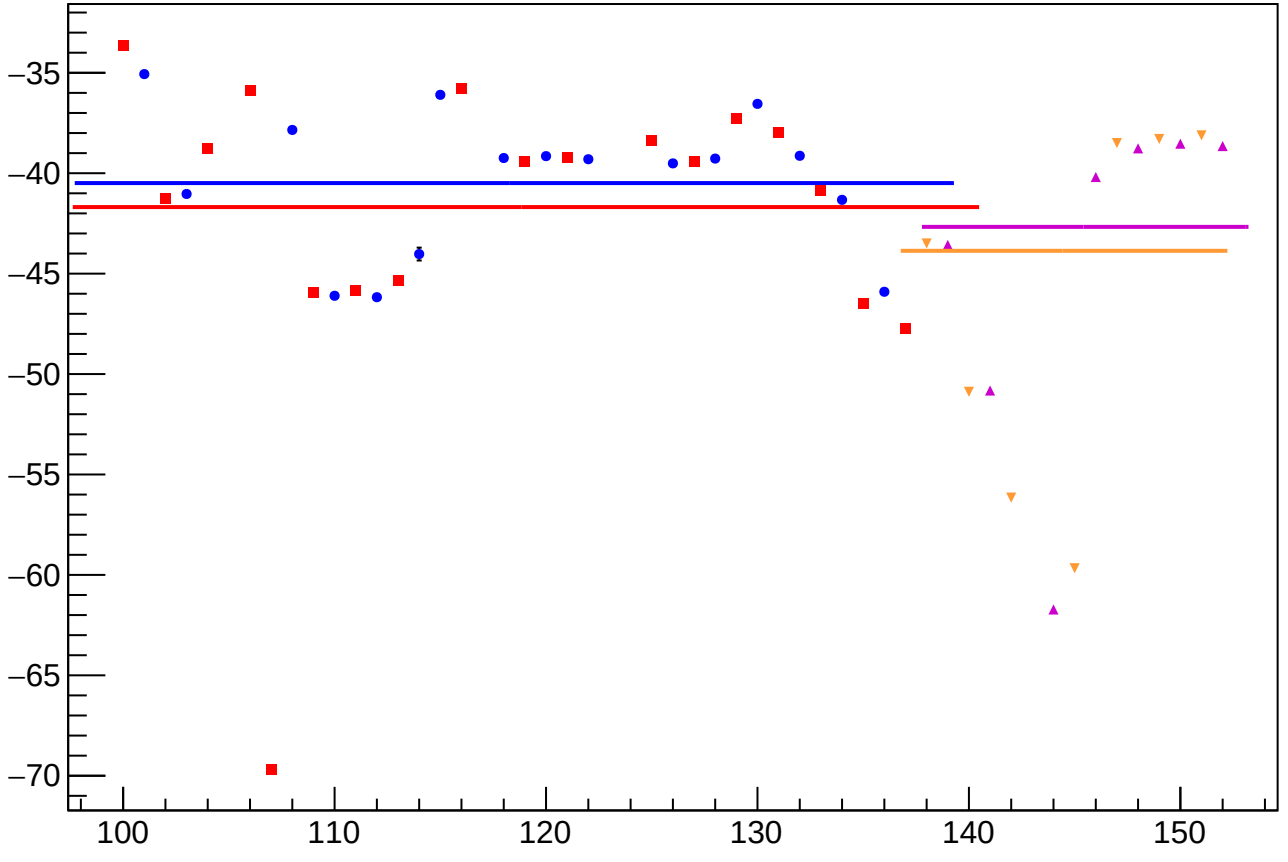
Left In: 13.181+/-0.488 χ^2/NDF:198.0/6

+ sign 9.263+/-0.349 χ^2/NDF: 785.5/22

All: 9.031+/-0.248 χ^2/NDF: 1570.7/47

- sign 8.795+/-0.353 χ^2/NDF: 784.3/24

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -43.863+/-0.026 χ^2/NDF:87109.2/6

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

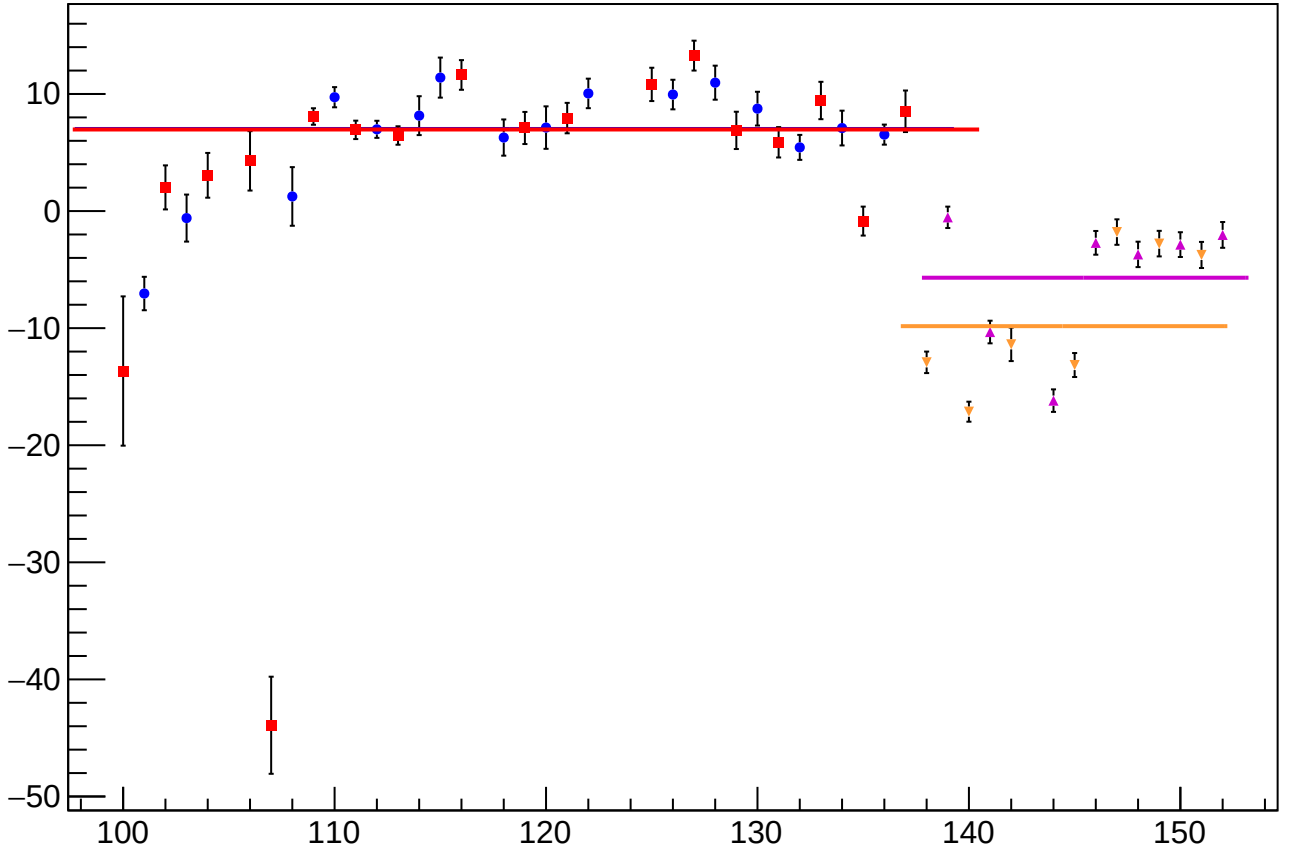
Left In: -42.671+/-0.024 χ^2/NDF:76171.8/6

+ sign -42.350+/-0.019 χ^2/NDF: 113053.4/22

All: -42.314+/-0.013 χ^2/NDF: 226754.9/47

- sign -42.279+/-0.018 χ^2/NDF: 113694.5/24

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -9.830+/-0.393 χ^2/NDF:222.0/6

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

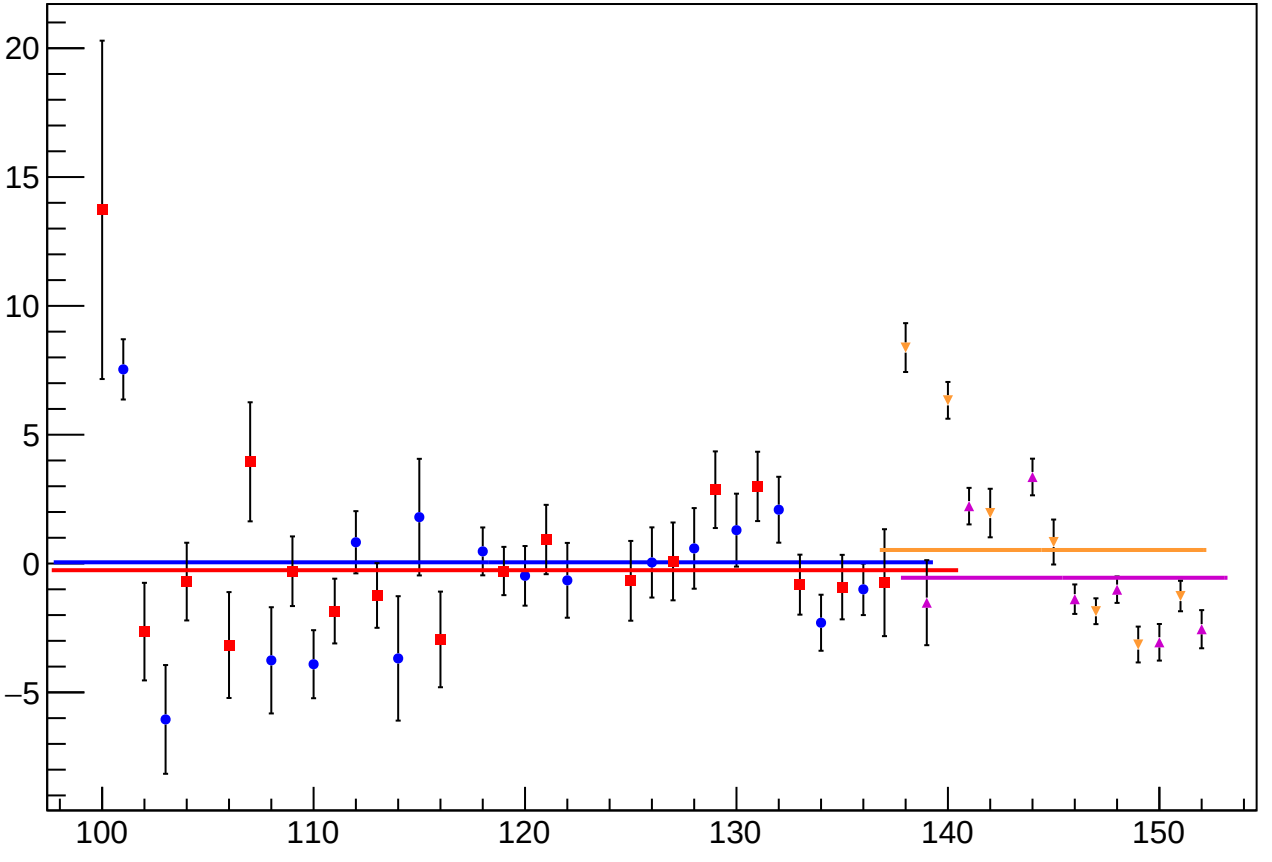
Left In: -5.693+/-0.381 χ^2/NDF:204.2/6

\+ sign 0.565+/-0.243 χ^2/NDF: 1513.4/22

All: 1.389+/-0.169 χ^2/NDF: 2690.5/47

\- sign 2.158+/-0.235 χ^2/NDF: 1154.8/24

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.526+/-0.263 χ^2/NDF:196.8/6

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

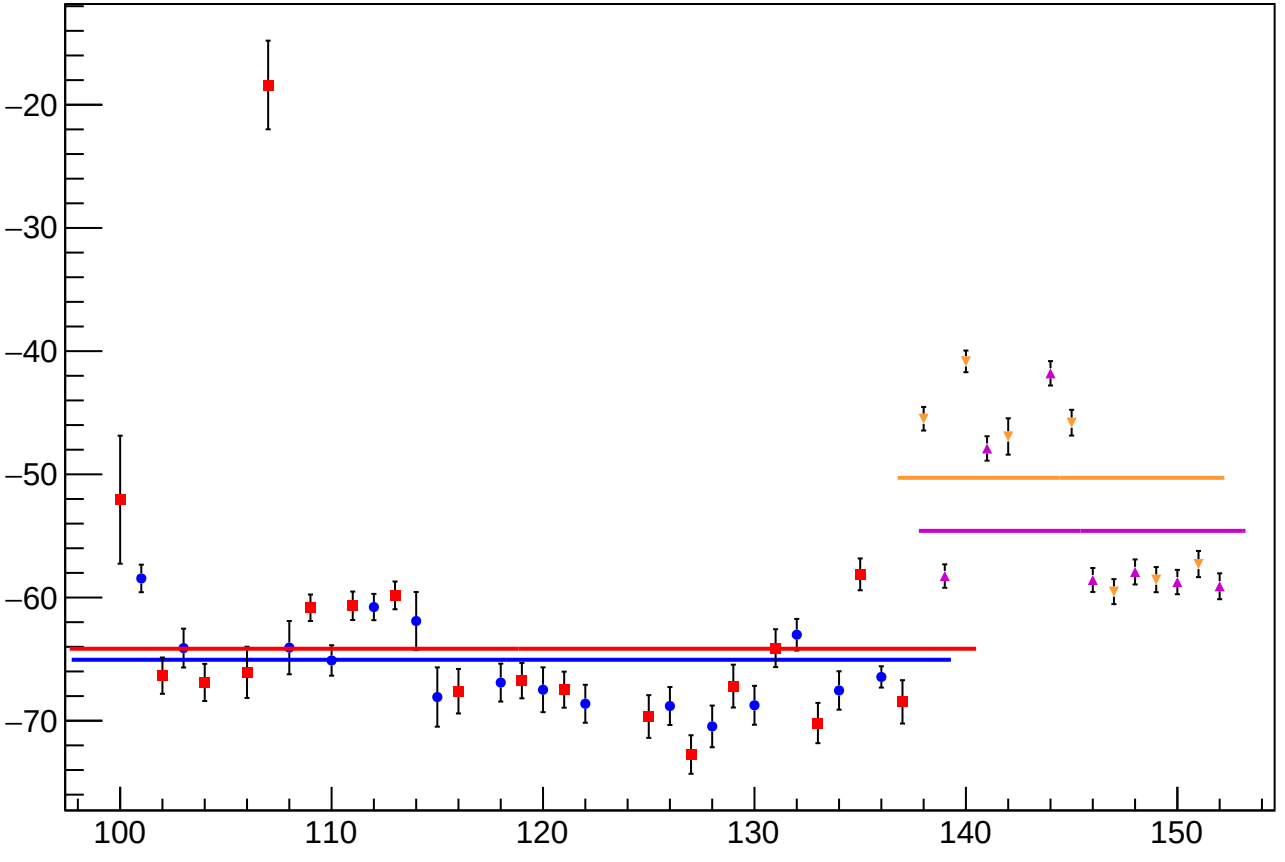
Left In: -0.552+/-0.258 χ^2/NDF:68.6/6

+ sign 0.341+/-0.206 χ^2/NDF: 273.1/22

All: -0.052+/-0.146 χ^2/NDF: 376.9/47

- sign -0.446+/-0.207 χ^2/NDF: 96.6/24

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -50.281+/-0.390 χ^2/NDF:355.8/6

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

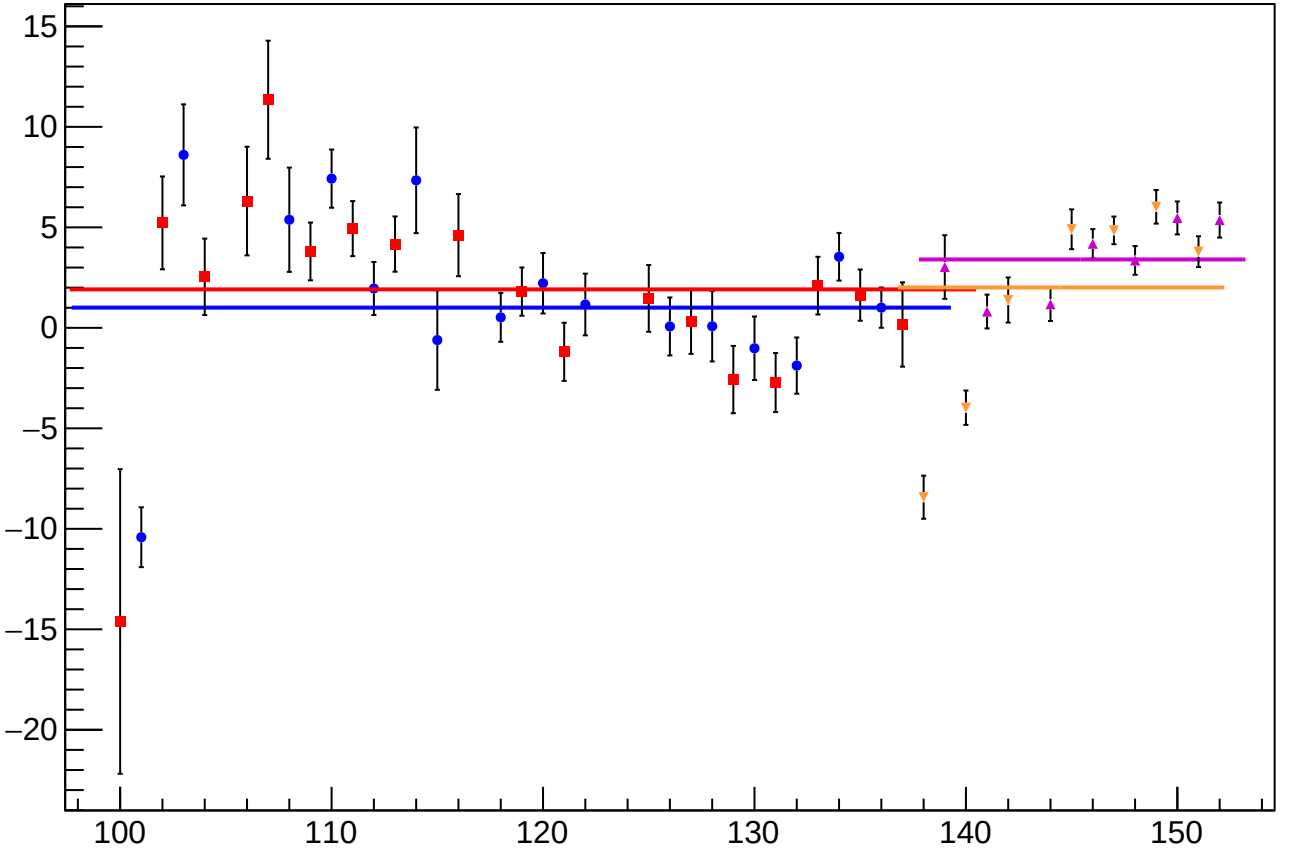
Left In: -54.587+/-0.375 χ^2/NDF:290.7/6

+ sign -58.382+/-0.262 χ^2/NDF: 1234.7/22

All: -58.978+/-0.185 χ^2/NDF: 2177.5/47

- sign -59.565+/-0.260 χ^2/NDF: 932.5/24

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 2.008+/-0.328 χ^2/NDF:198.1/6

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

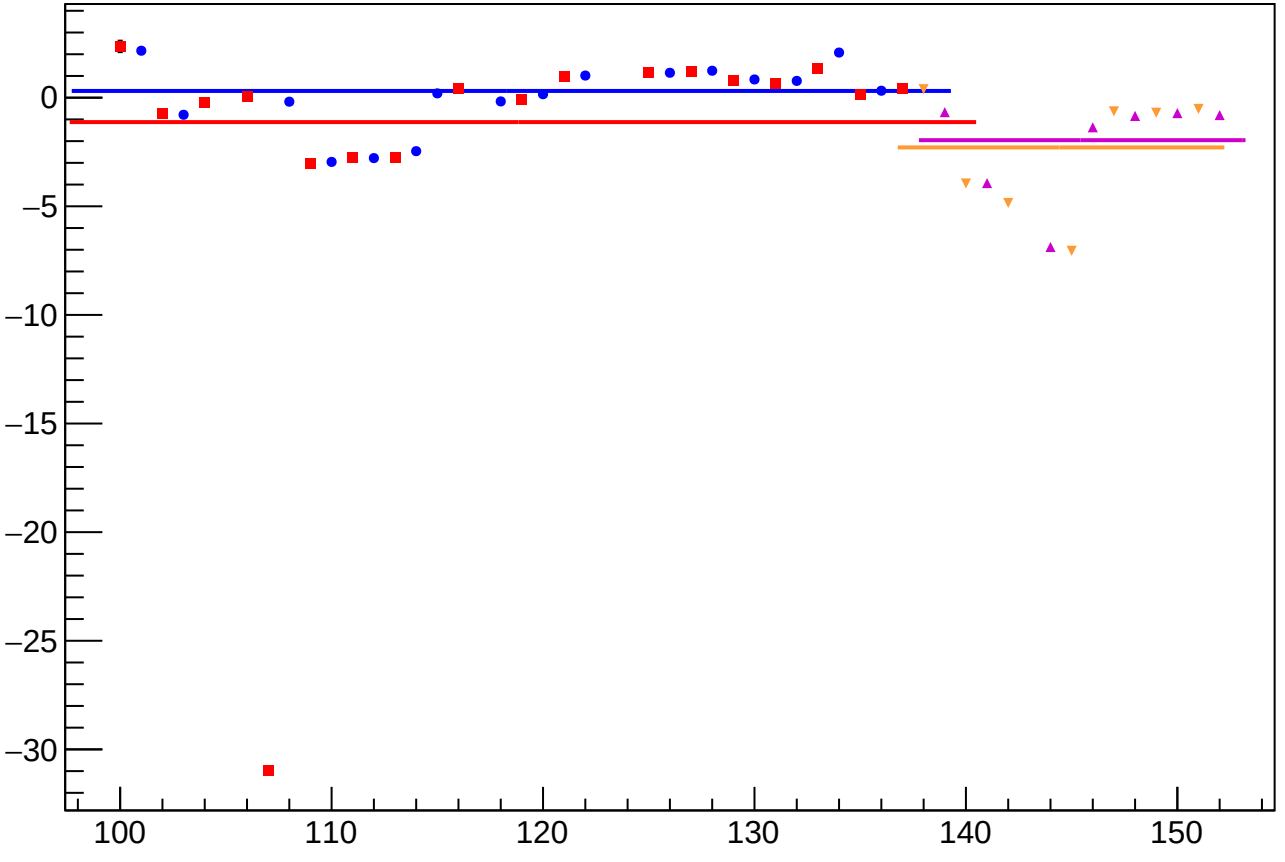
Left In: 3.403+/-0.318 χ^2/NDF:29.2/6

+ sign 1.575+/-0.247 χ^2/NDF: 311.4/22

All: 2.193+/-0.174 χ^2/NDF: 416.4/47

- sign 2.808+/-0.246 χ^2/NDF: 92.5/24

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.290+/-0.016 χ^2/NDF:26496.6/6

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

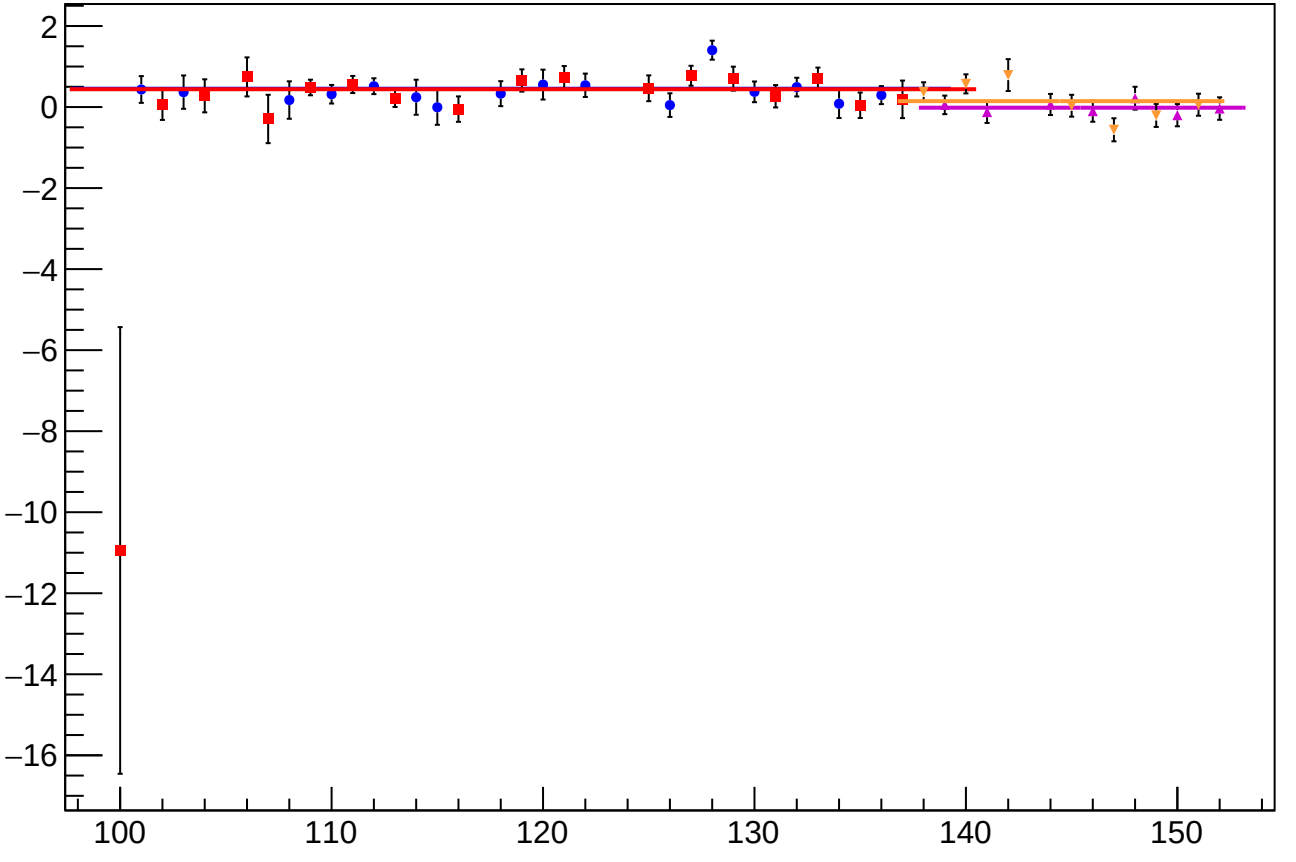
Left In: -1.957+/-0.015 χ^2/NDF:18993.7/6

+ sign -1.328+/-0.013 χ^2/NDF: 40945.2/22

All: -1.519+/-0.009 χ^2/NDF: 107683.8/47

- sign -1.697+/-0.012 χ^2/NDF: 66309.6/24

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.146+/-0.103 χ^2/NDF:14.9/6

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

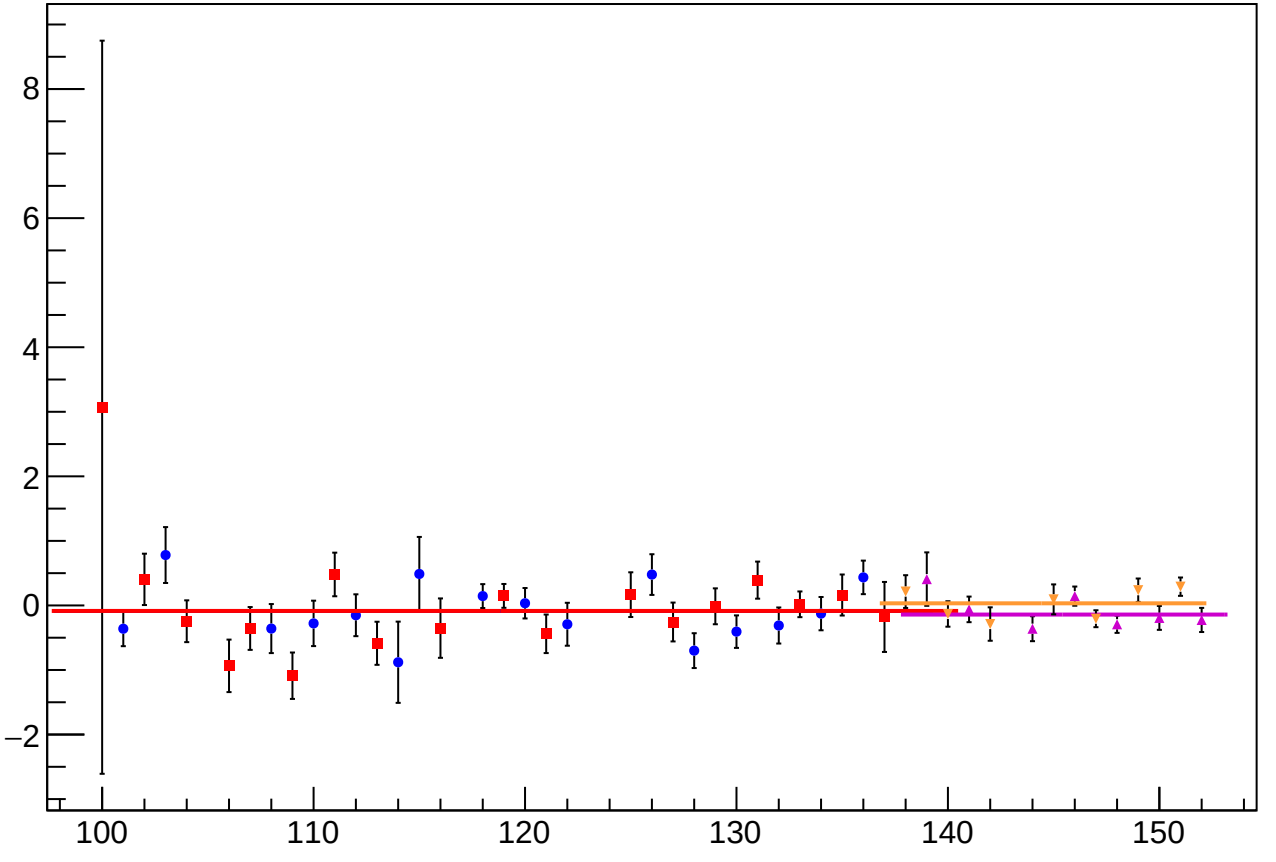
Left In: -0.016+/-0.100 χ^2/NDF:1.6/6

+ sign 0.353+/-0.059 χ^2/NDF: 43.5/22

All: 0.321+/-0.041 χ^2/NDF: 78.3/47

- sign 0.290+/-0.057 χ^2/NDF: 34.2/24

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.033+/-0.069 χ^2/NDF:10.7/6

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

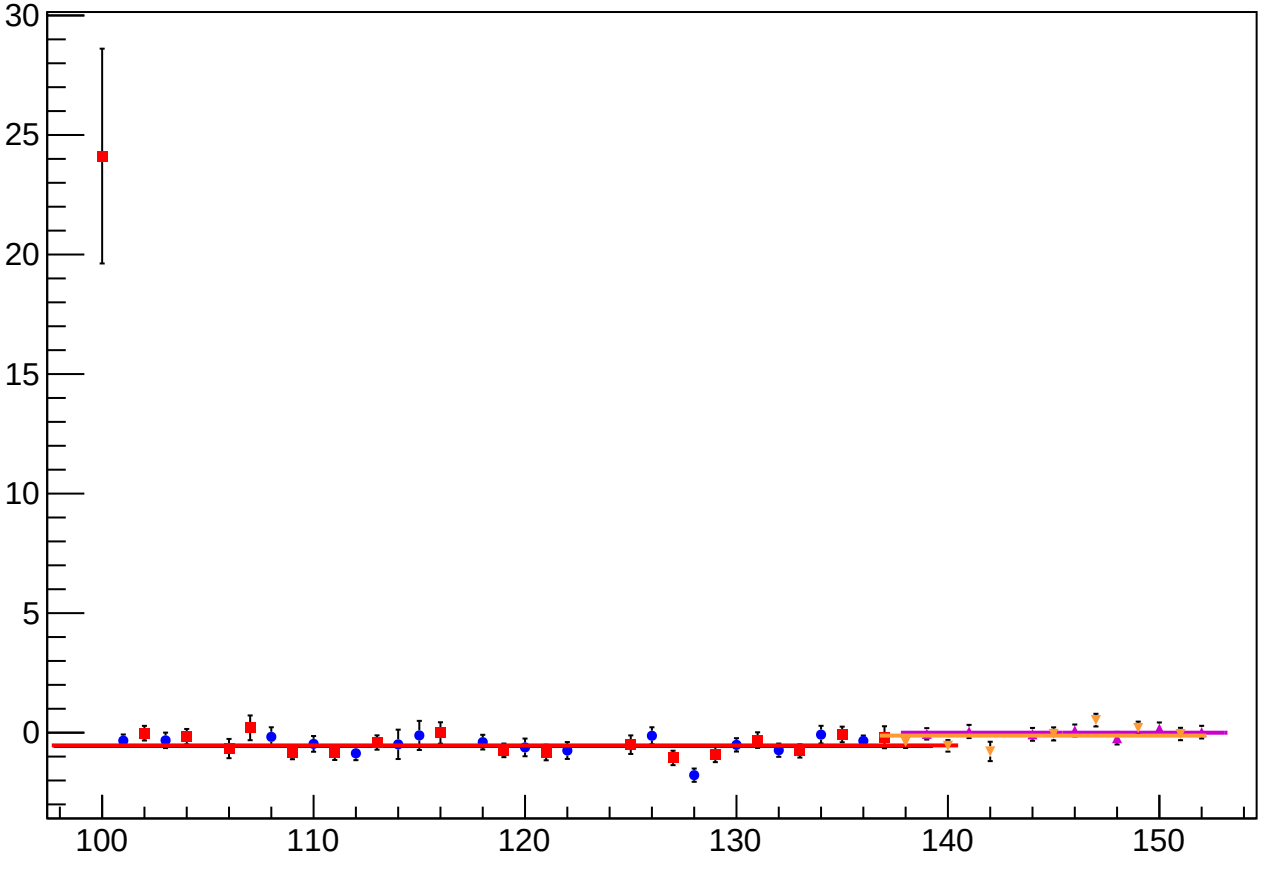
Left In: -0.141+/-0.068 χ^2/NDF:8.5/6

+ sign -0.023+/-0.050 χ^2/NDF: 37.5/22

All: -0.069+/-0.035 χ^2/NDF: 75.8/47

- sign -0.116+/-0.050 χ^2/NDF: 36.6/24

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.123+/-0.102 χ^2/NDF:14.5/6

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

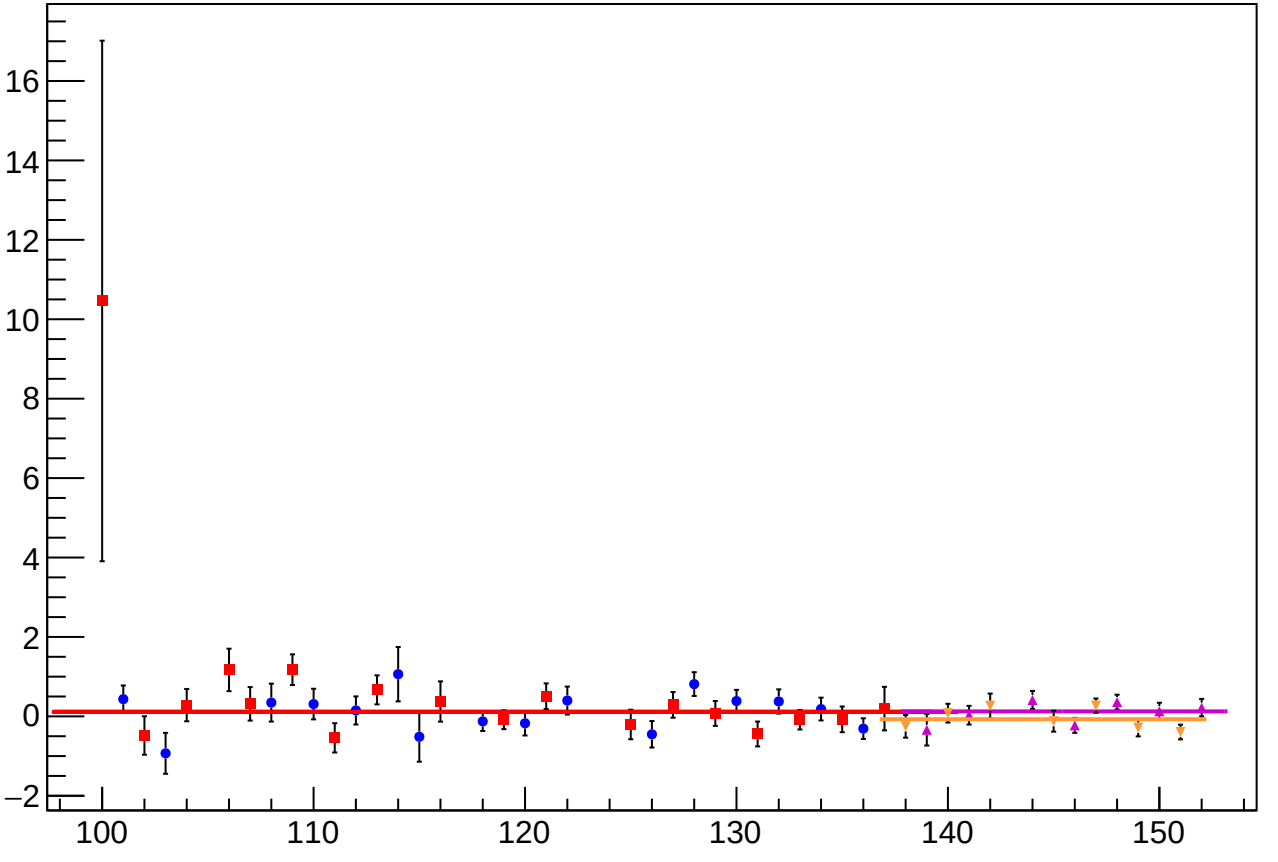
Left In: -0.001+/-0.098 χ^2/NDF:1.5/6

+ sign -0.394+/-0.063 χ^2/NDF: 54.1/22

All: -0.356+/-0.044 χ^2/NDF: 123.1/47

- sign -0.319+/-0.062 χ^2/NDF: 68.2/24

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.072+/-0.086 χ^2/NDF:9.7/6

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

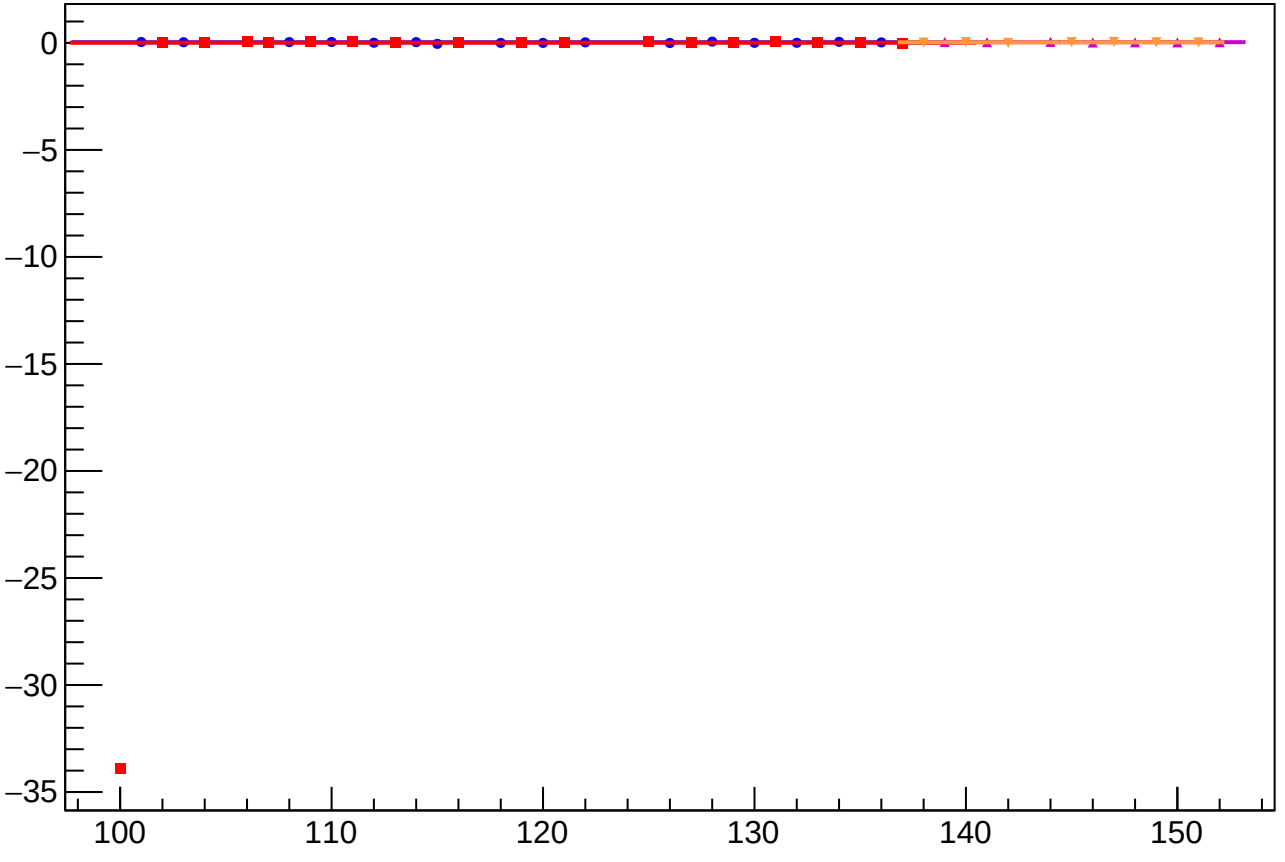
Left In: 0.125+/-0.083 χ^2/NDF:8.4/6

+ sign 0.025+/-0.060 χ^2/NDF: 35.8/22

All: 0.072+/-0.042 χ^2/NDF: 74.5/47

- sign 0.118+/-0.059 χ^2/NDF: 37.4/24

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+/-0.004 χ^2/NDF:7.4/6

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

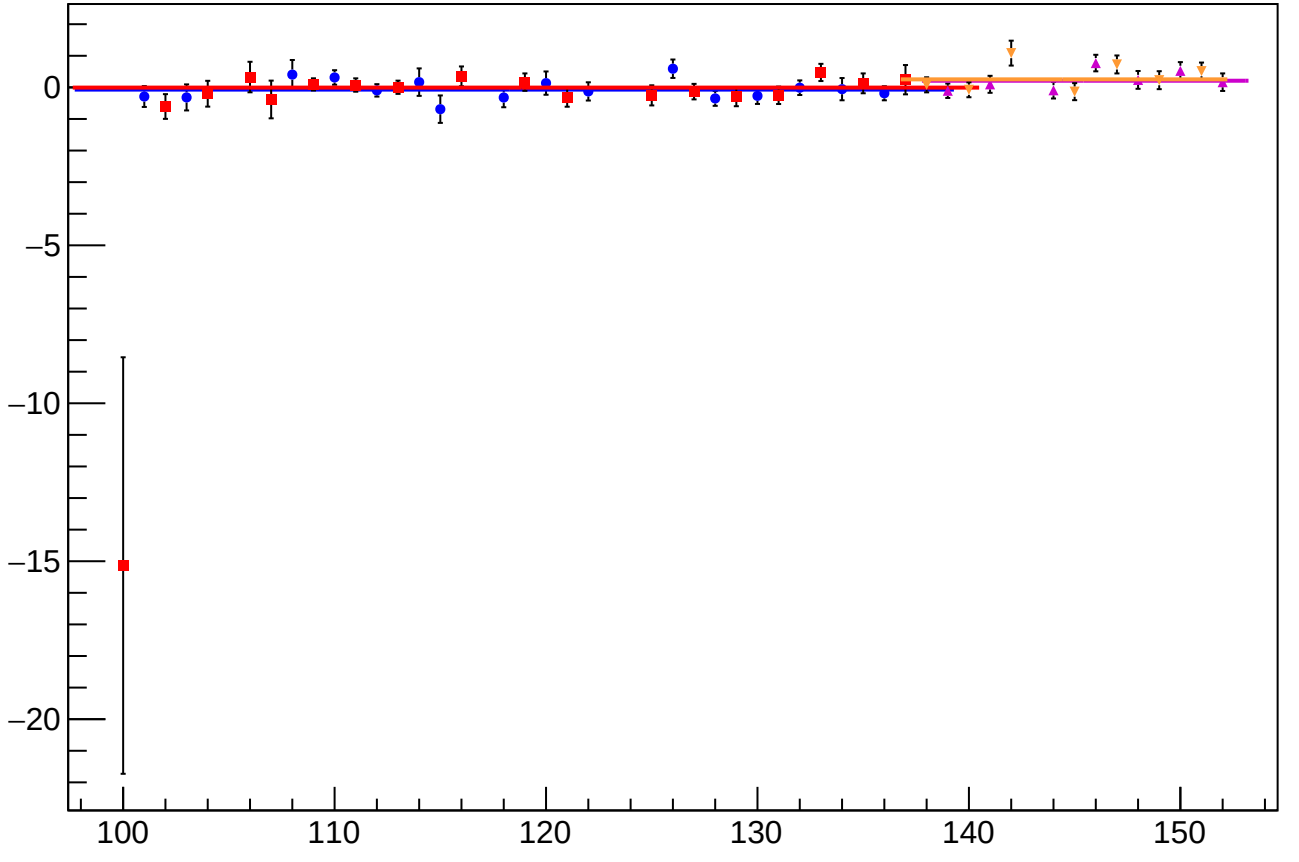
Left In: 0.034+/-0.004 χ^2/NDF:4.7/6

+ sign 0.028+/-0.003 χ^2/NDF: 22.0/22

All: 0.026+/-0.002 χ^2/NDF: 22301.8/47

- sign 0.025+/-0.003 χ^2/NDF: 22279.5/24

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.254+/-0.103 χ^2/NDF:12.7/6

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

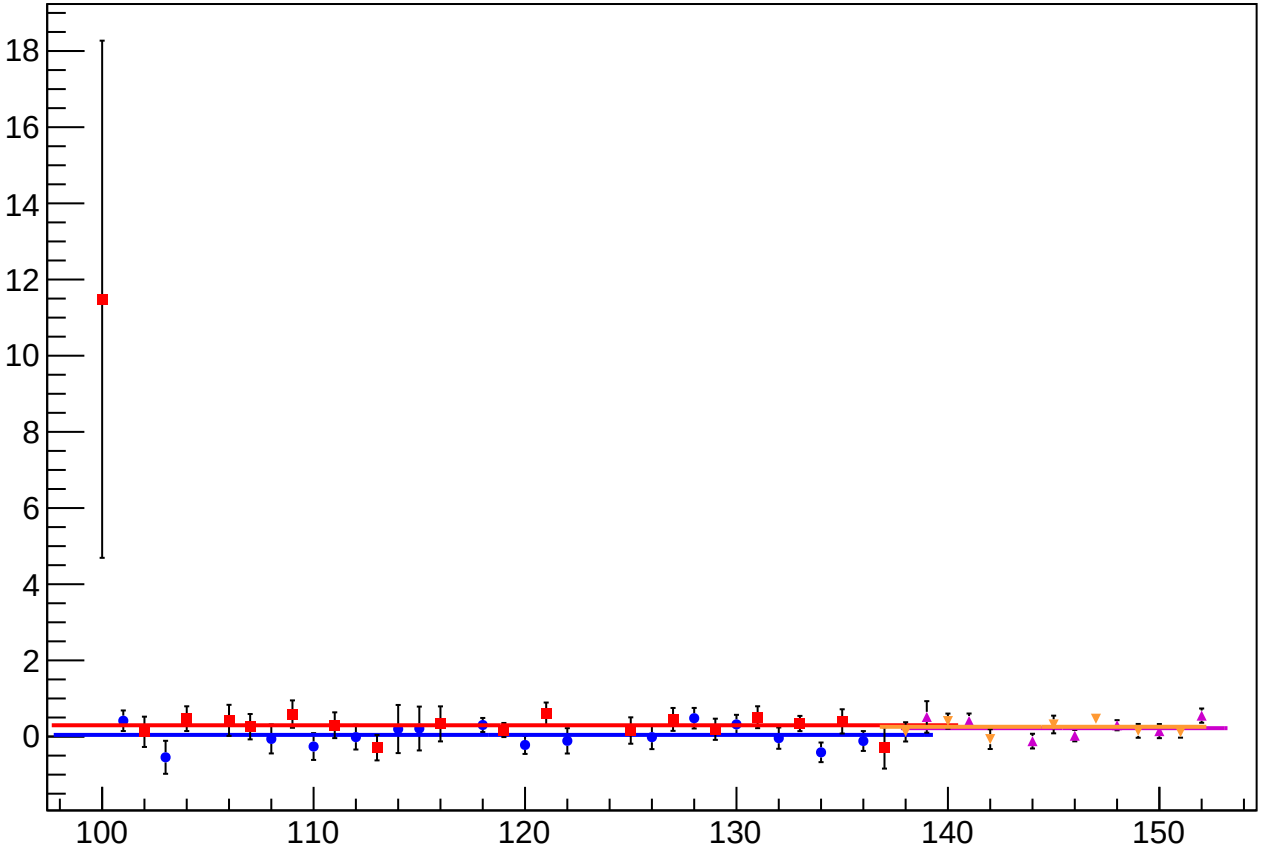
Left In: 0.210+/-0.100 χ^2/NDF:9.3/6

+ sign 0.035+/-0.059 χ^2/NDF: 34.9/22

All: 0.050+/-0.041 χ^2/NDF: 65.7/47

- sign 0.064+/-0.057 χ^2/NDF: 30.7/24

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.257+/-0.069 χ^2/NDF:6.4/6

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

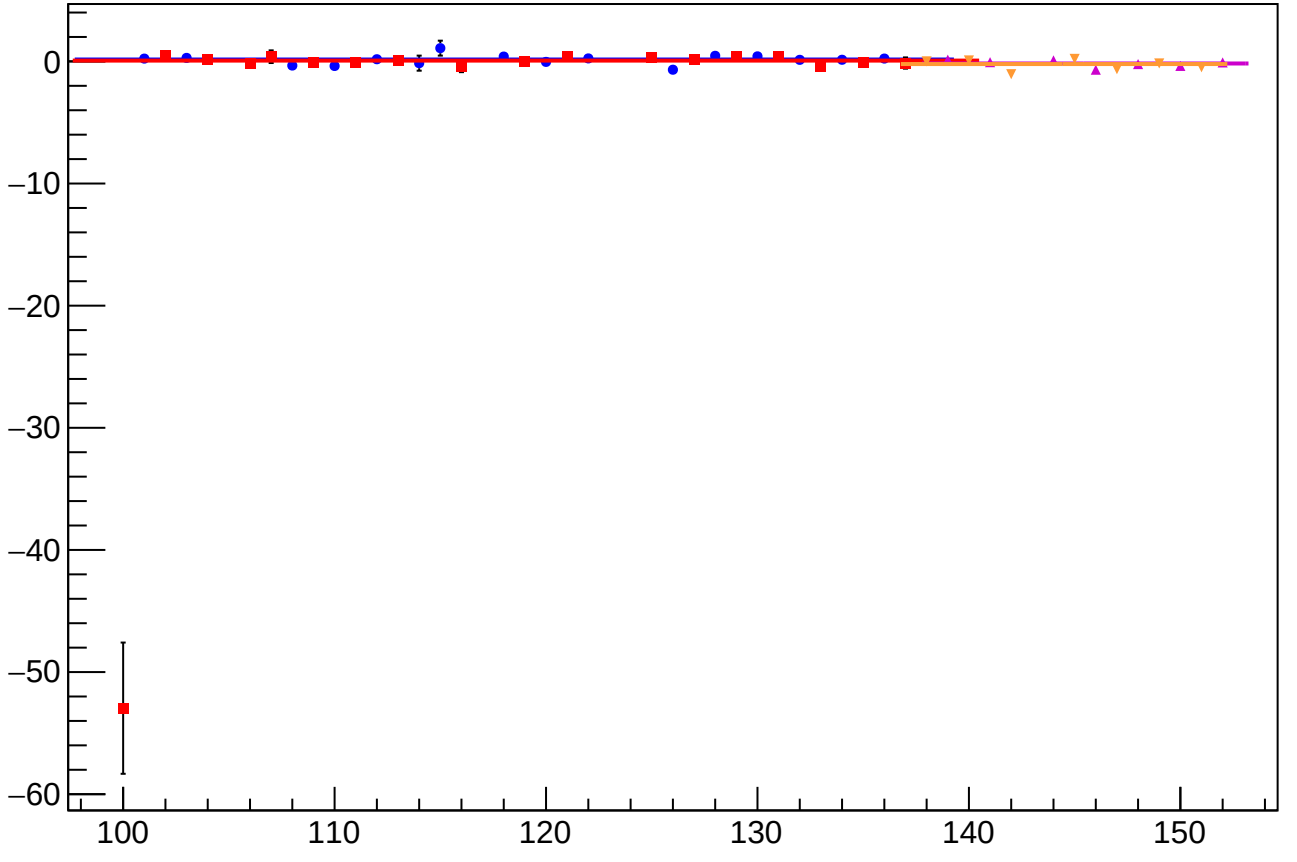
Left In: 0.220+/-0.068 χ^2/NDF:9.9/6

+ sign 0.157+/-0.050 χ^2/NDF: 26.7/22

All: 0.206+/-0.035 χ^2/NDF: 50.0/47

- sign 0.255+/-0.050 χ^2/NDF: 21.4/24

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.218+/-0.102 χ^2/NDF:12.4/6

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

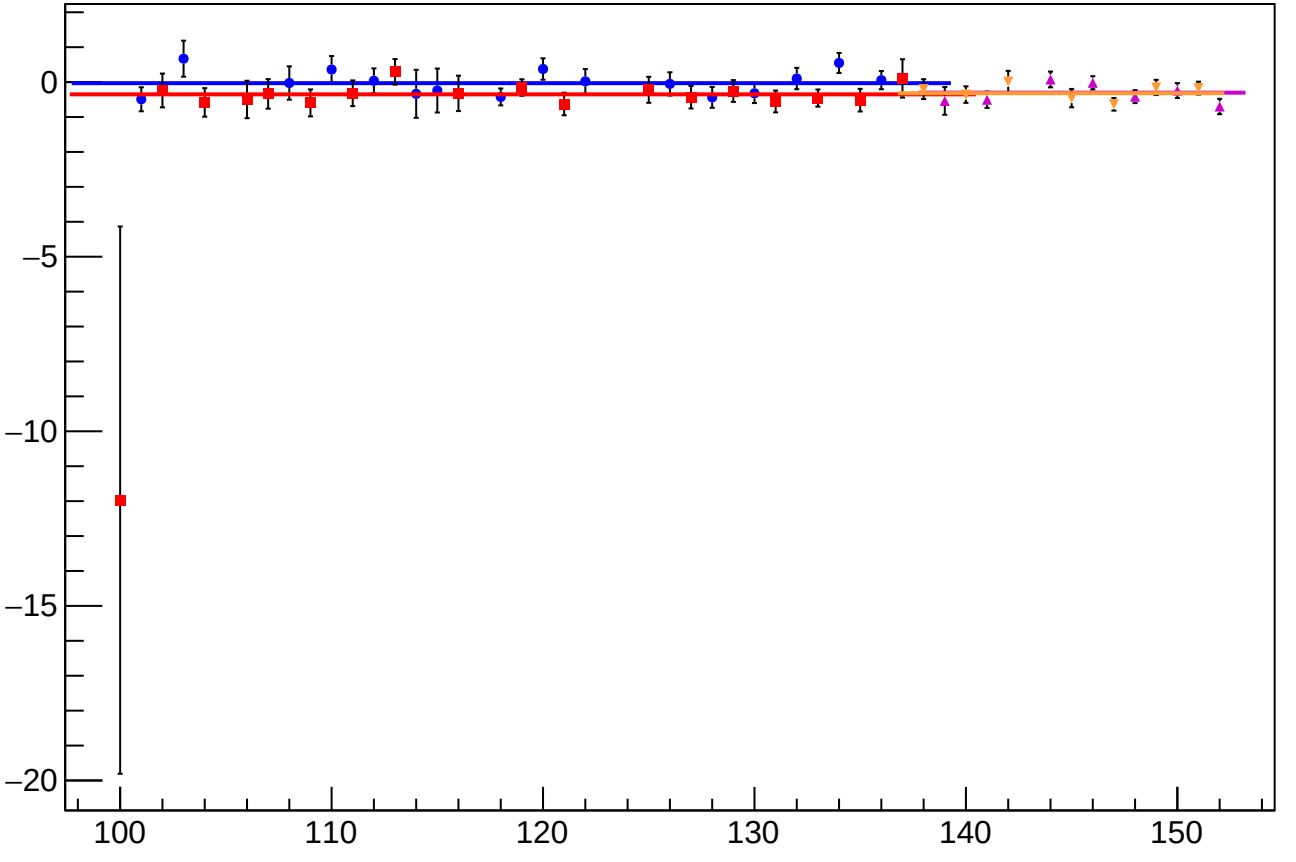
Left In: -0.172+/-0.098 χ^2/NDF:7.6/6

+ sign 0.013+/-0.063 χ^2/NDF: 36.2/22

All: -0.009+/-0.044 χ^2/NDF: 156.9/47

- sign -0.030+/-0.062 χ^2/NDF: 120.4/24

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.318+/-0.086 χ^2/NDF:6.0/6

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

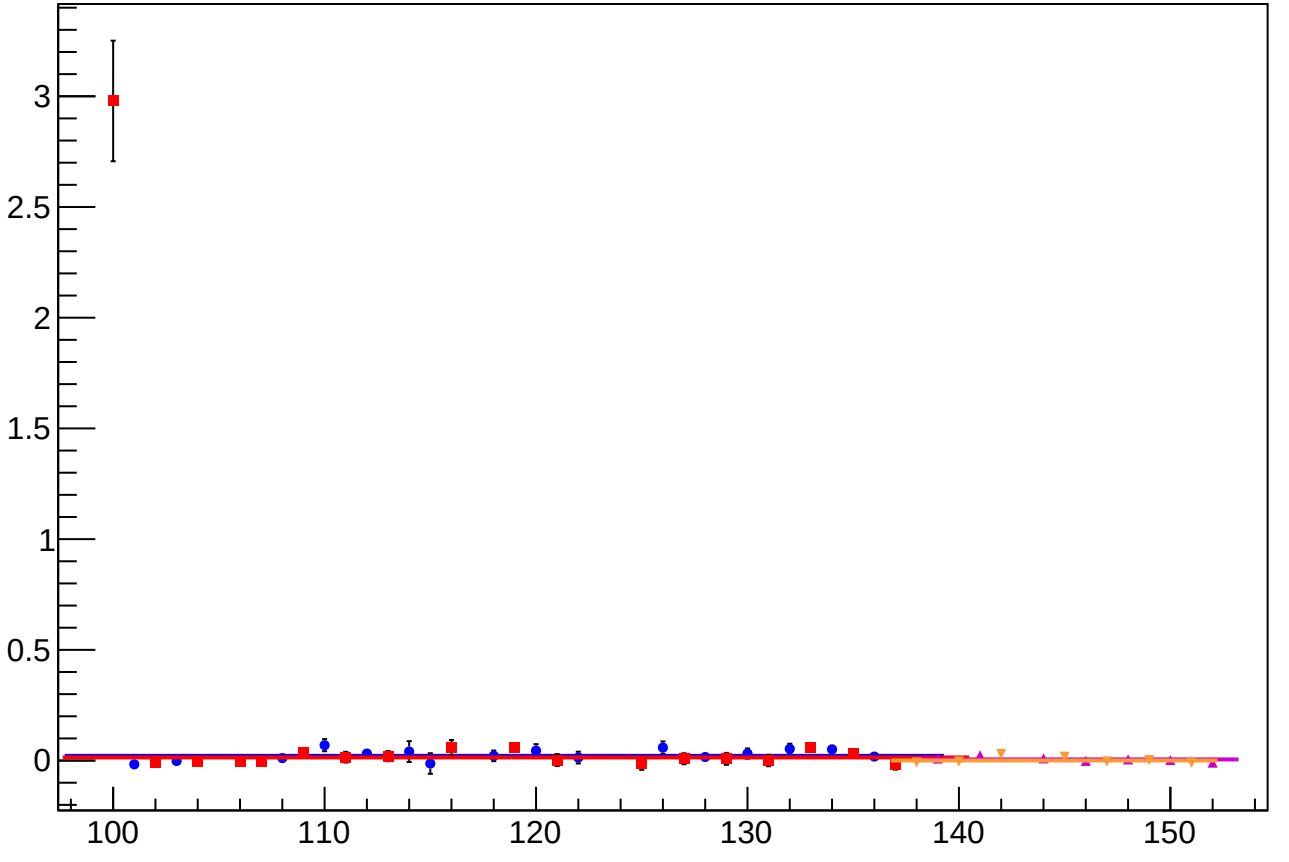
Left In: -0.302+/-0.083 χ^2/NDF:9.8/6

+ sign -0.171+/-0.060 χ^2/NDF: 28.5/22

All: -0.249+/-0.042 χ^2/NDF: 51.3/47

- sign -0.326+/-0.059 χ^2/NDF: 19.4/24

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.000+/-0.004 χ^2/NDF:7.7/6

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

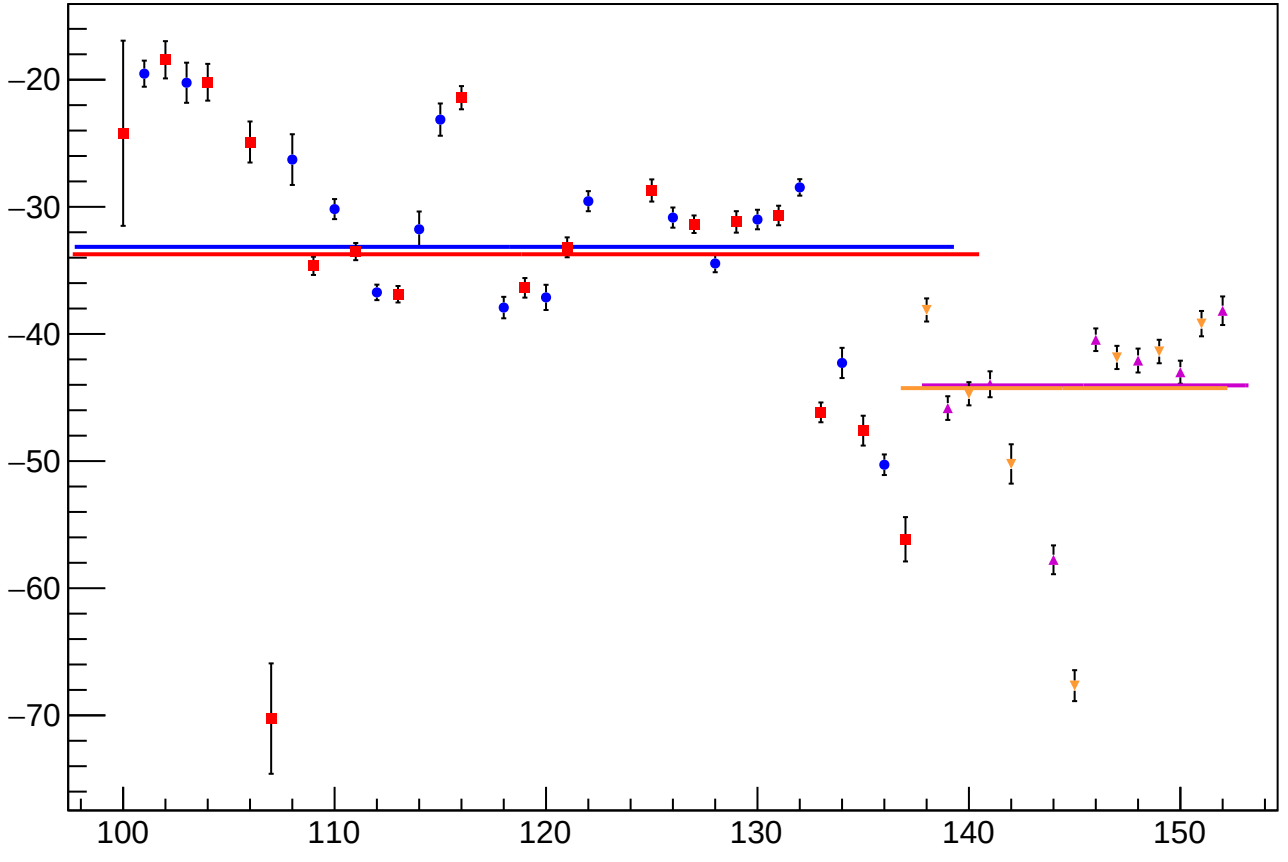
Left In: 0.005+/-0.004 χ^2/NDF:6.1/6

+ sign 0.009+/-0.003 χ^2/NDF: 40.9/22

All: 0.009+/-0.002 χ^2/NDF: 189.9/47

- sign 0.009+/-0.003 χ^2/NDF: 149.0/24

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -44.261+/-0.381 χ^2/NDF:472.9/6

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

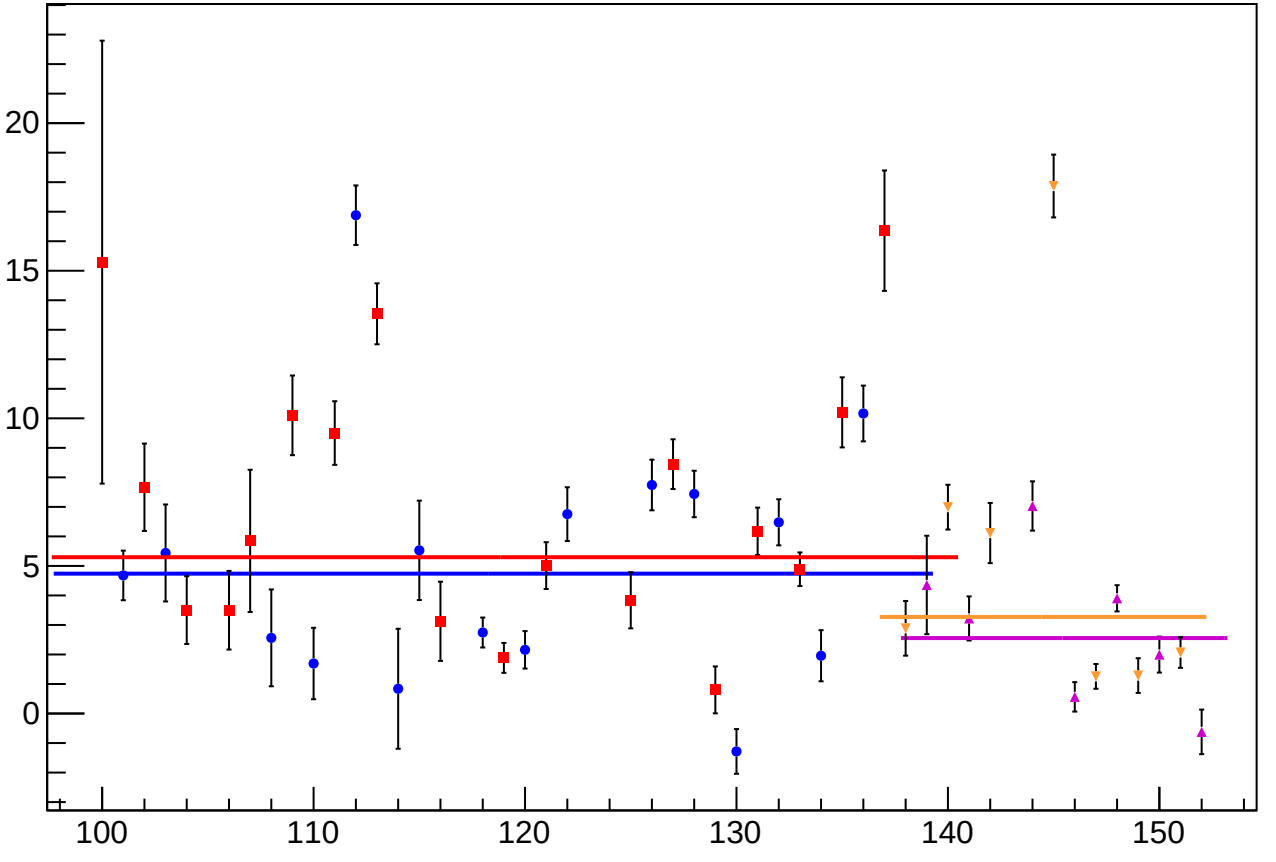
Left In: -44.045+/-0.370 χ^2/NDF:199.3/6

+ sign -35.887+/-0.189 χ^2/NDF: 2127.5/22

All: -36.111+/-0.133 χ^2/NDF: 4058.1/47

- sign -36.327+/-0.186 χ^2/NDF: 1927.9/24

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 3.272+/-0.242 χ^2/NDF:260.0/6

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

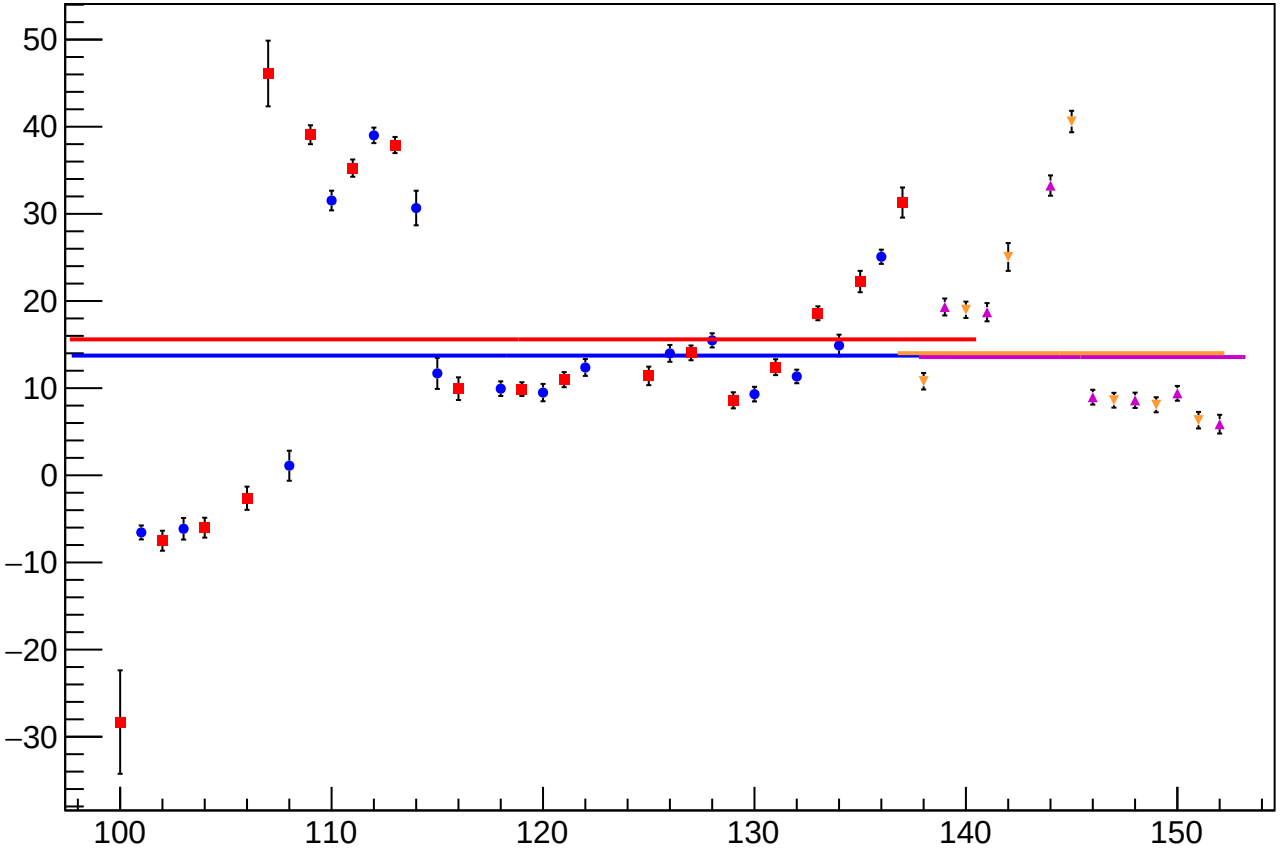
Left In: 2.556+/-0.242 χ^2/NDF:74.4/6

+ sign 4.078+/-0.163 χ^2/NDF: 609.8/22

All: 4.056+/-0.115 χ^2/NDF: 998.6/47

- sign 4.033+/-0.164 χ^2/NDF: 388.8/24

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 14.015+/-0.374 χ^2/NDF:705.7/6

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

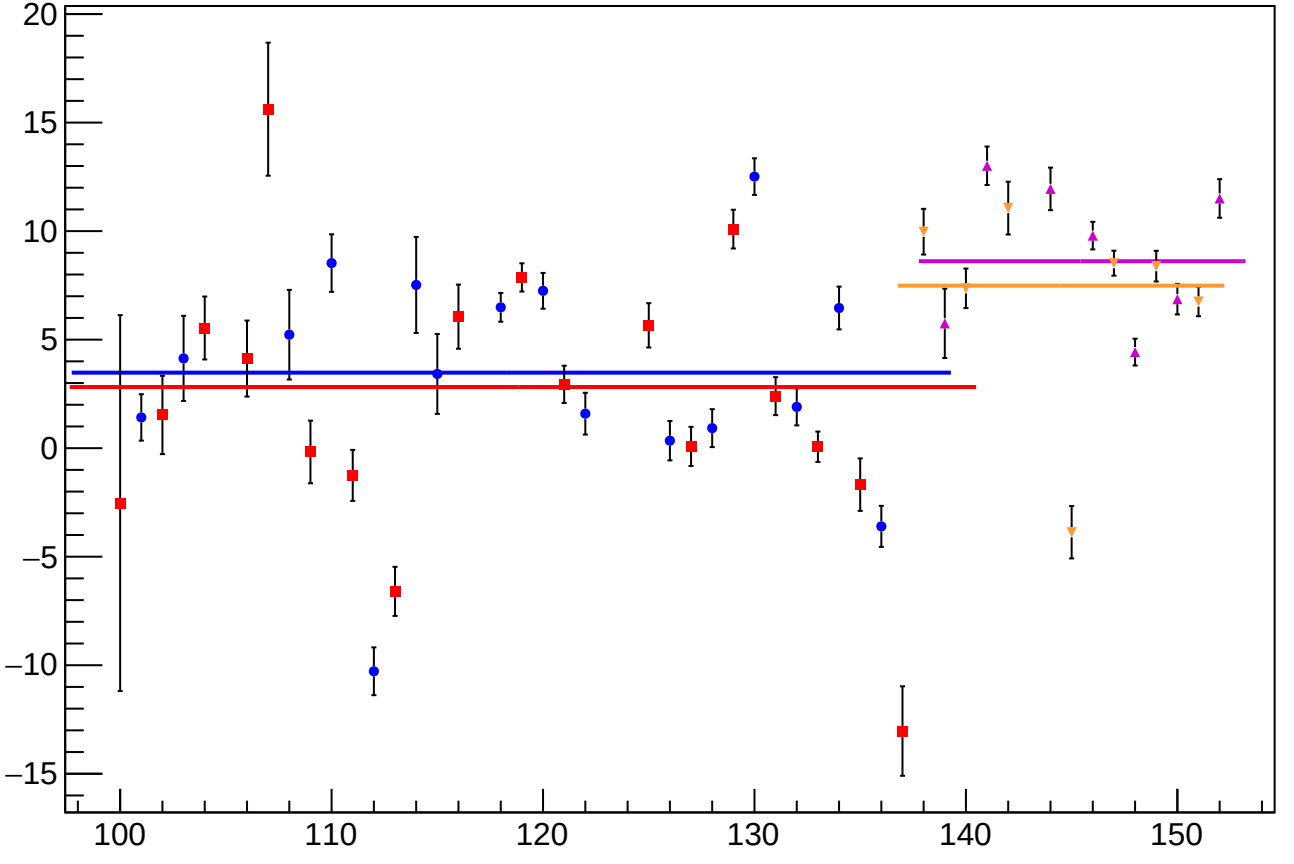
Left In: 13.571+/-0.362 χ^2/NDF:480.1/6

+ sign 13.822+/-0.206 χ^2/NDF: 3055.9/22

All: 14.384+/-0.146 χ^2/NDF: 6398.4/47

- sign 14.944+/-0.206 χ^2/NDF: 3327.6/24

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 7.488+/-0.306 χ^2/NDF:109.0/6

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

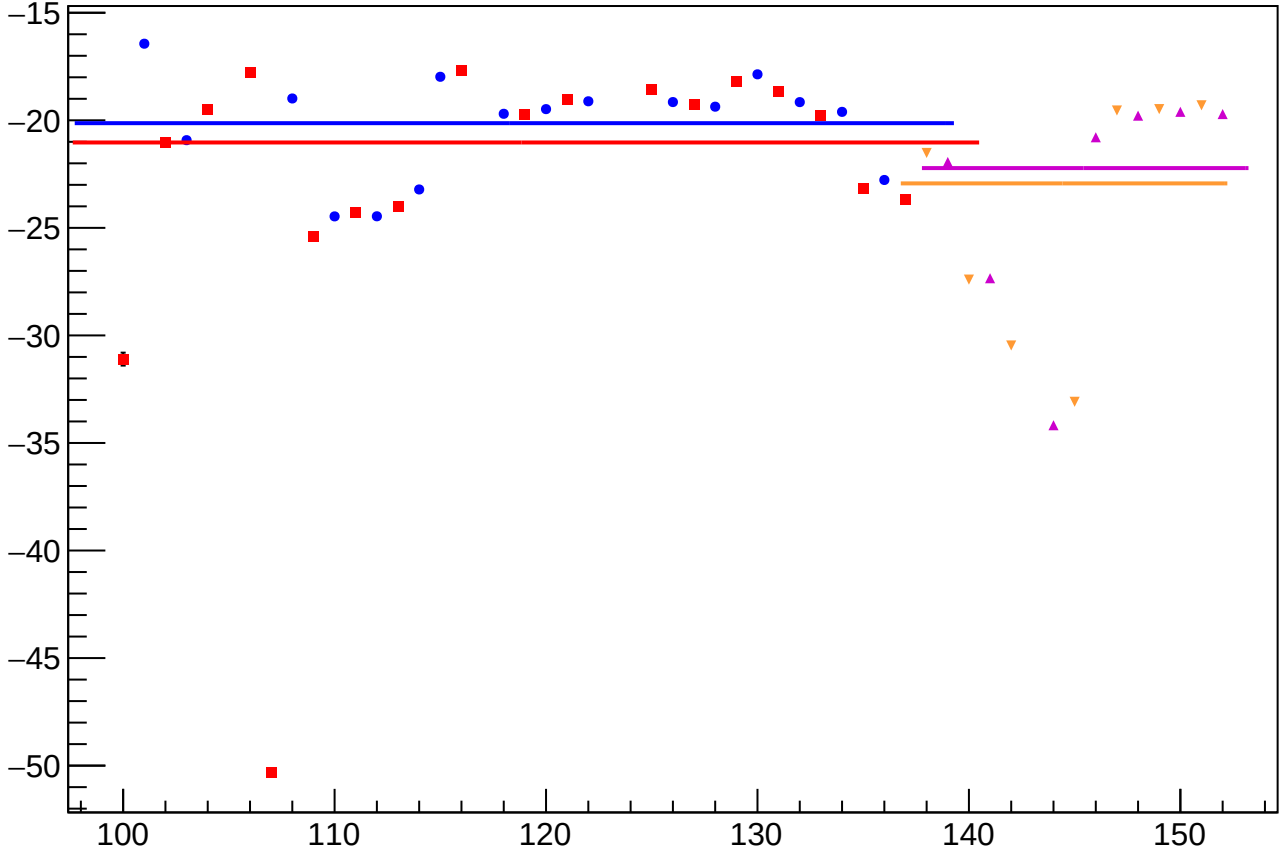
Left In: 8.613+/-0.300 χ^2/NDF:105.5/6

+ sign 5.114+/-0.195 χ^2/NDF: 638.4/22

All: 5.191+/-0.138 χ^2/NDF: 1304.3/47

- sign 5.269+/-0.195 χ^2/NDF: 665.5/24

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -22.933+/-0.016 χ^2/NDF:96337.5/6

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

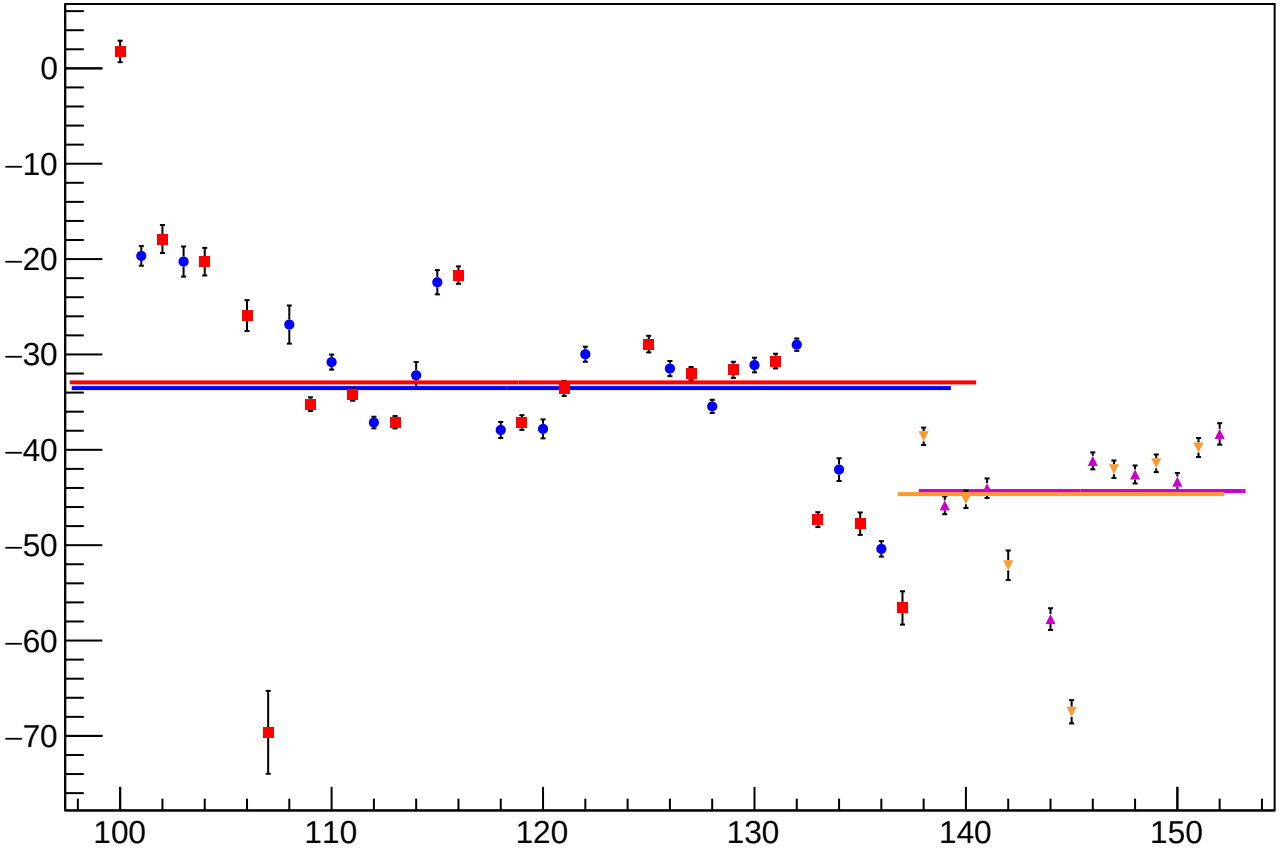
Left In: -22.221+/-0.014 χ^2/NDF:82589.4/6

+ sign -21.571+/-0.011 χ^2/NDF: 131864.4/22

All: -21.639+/-0.008 χ^2/NDF: 275011.0/47

- sign -21.704+/-0.011 χ^2/NDF: 143073.8/24

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -44.644+/-0.382 χ^2/NDF:462.0/6

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

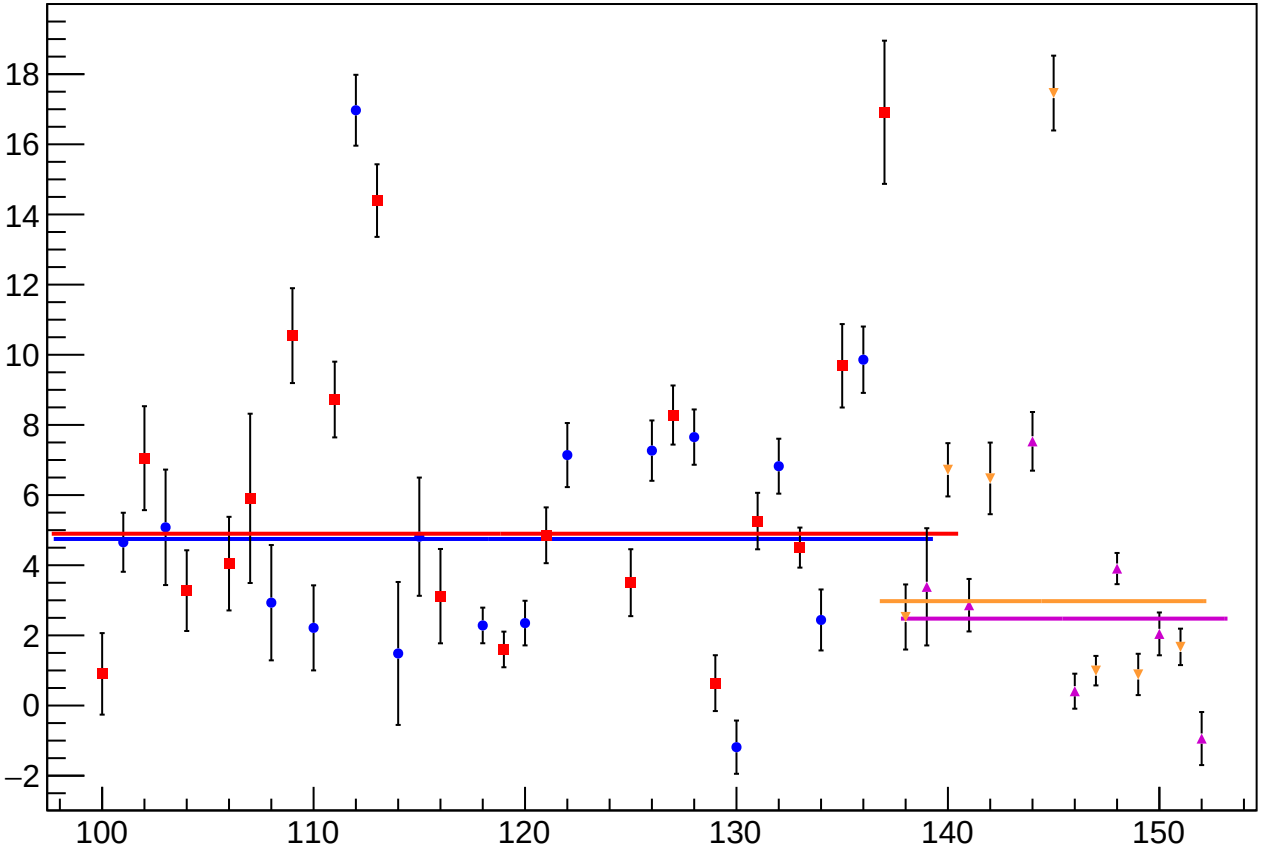
Left In: -44.321+/-0.371 χ^2/NDF:187.9/6

+ sign -36.269+/-0.190 χ^2/NDF: 2109.3/22

All: -35.989+/-0.132 χ^2/NDF: 5182.4/47

- sign -35.725+/-0.184 χ^2/NDF: 3068.9/24

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 2.976+/-0.243 χ^2/NDF:261.8/6

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

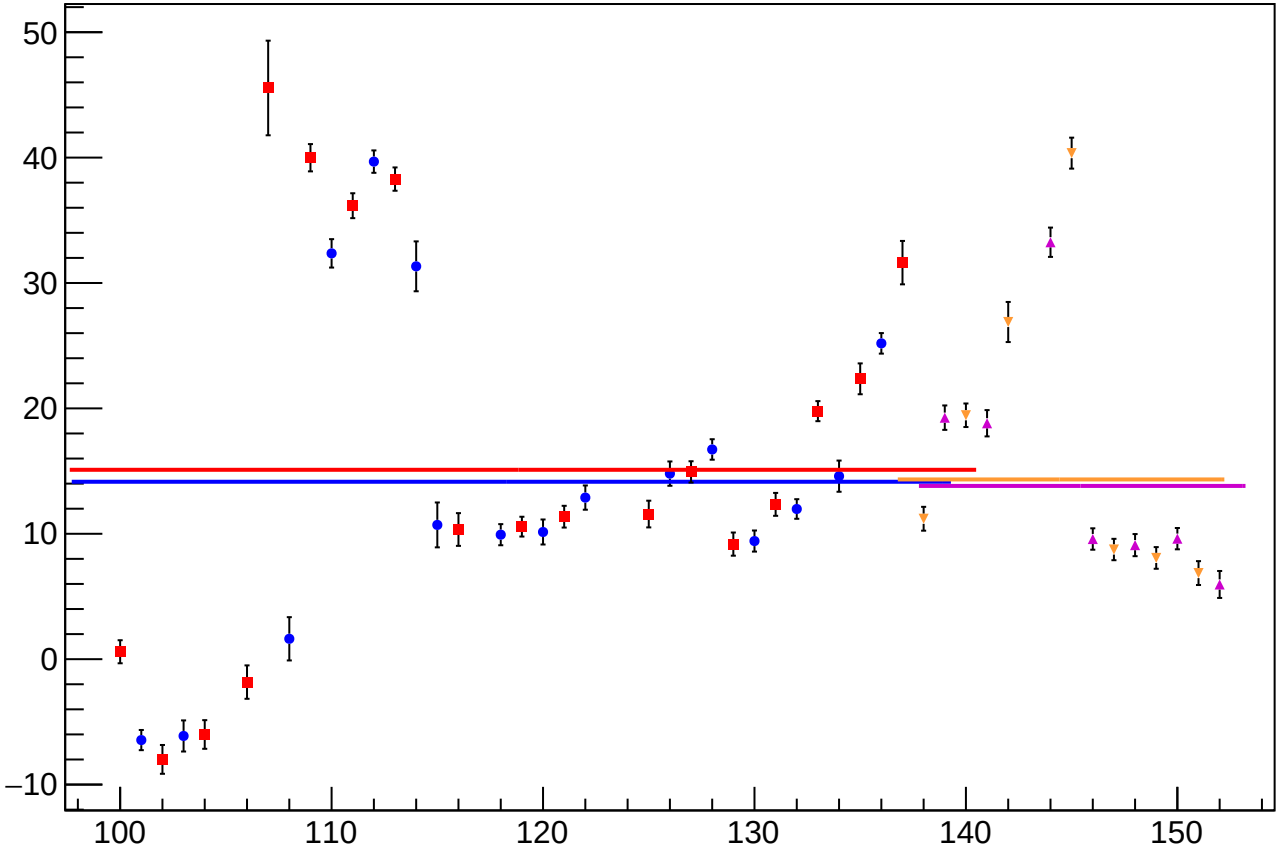
Left In: 2.478+/-0.242 χ^2/NDF:85.5/6

+ sign 3.950+/-0.163 χ^2/NDF: 616.8/22

All: 3.877+/-0.115 χ^2/NDF: 1030.6/47

- sign 3.804+/-0.163 χ^2/NDF: 413.4/24

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 14.333+/-0.375 χ^2/NDF:703.2/6

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

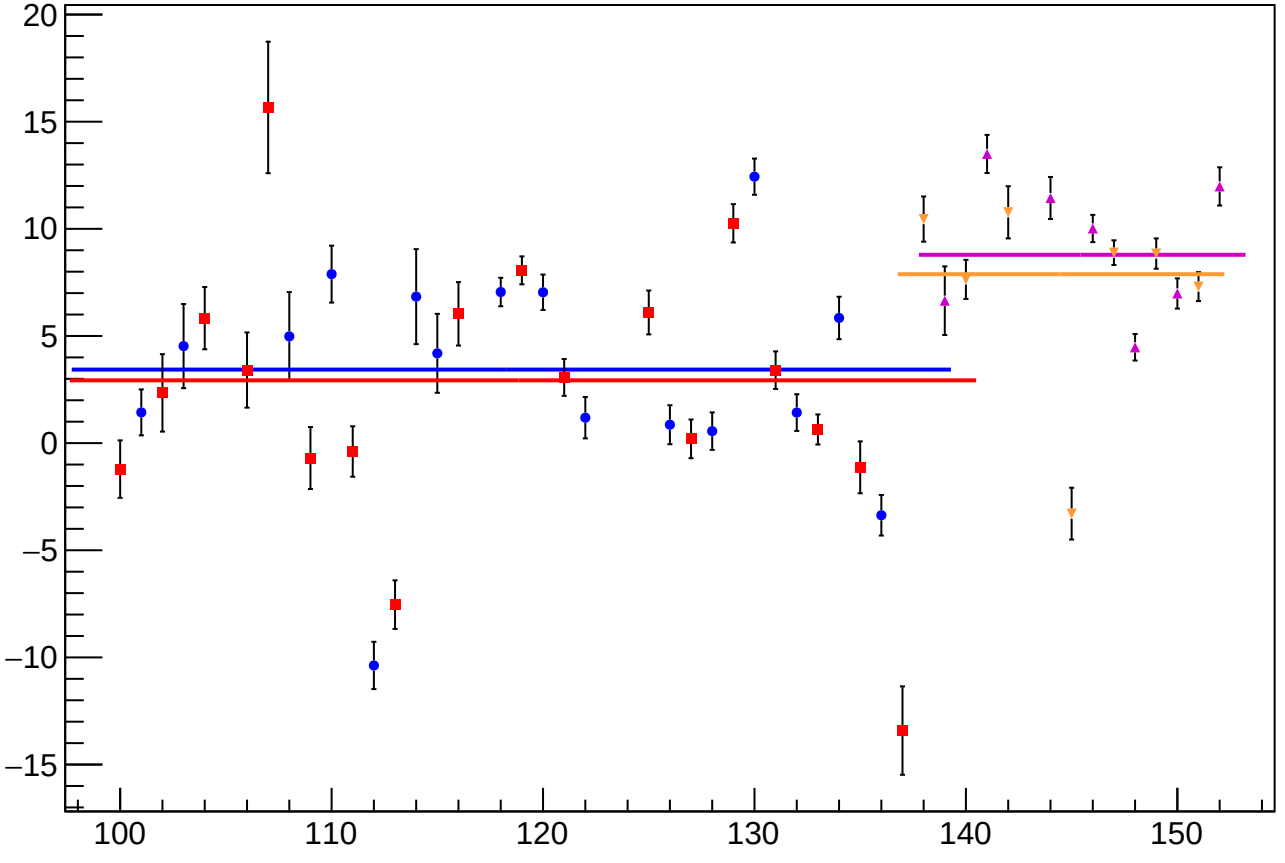
Left In: 13.817+/-0.363 χ^2/NDF:461.6/6

+ sign 14.205+/-0.206 χ^2/NDF: 3105.7/22

All: 14.462+/-0.144 χ^2/NDF: 6681.3/47

- sign 14.707+/-0.201 χ^2/NDF: 3572.6/24

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 7.883+/-0.306 χ^2/NDF:102.7/6

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

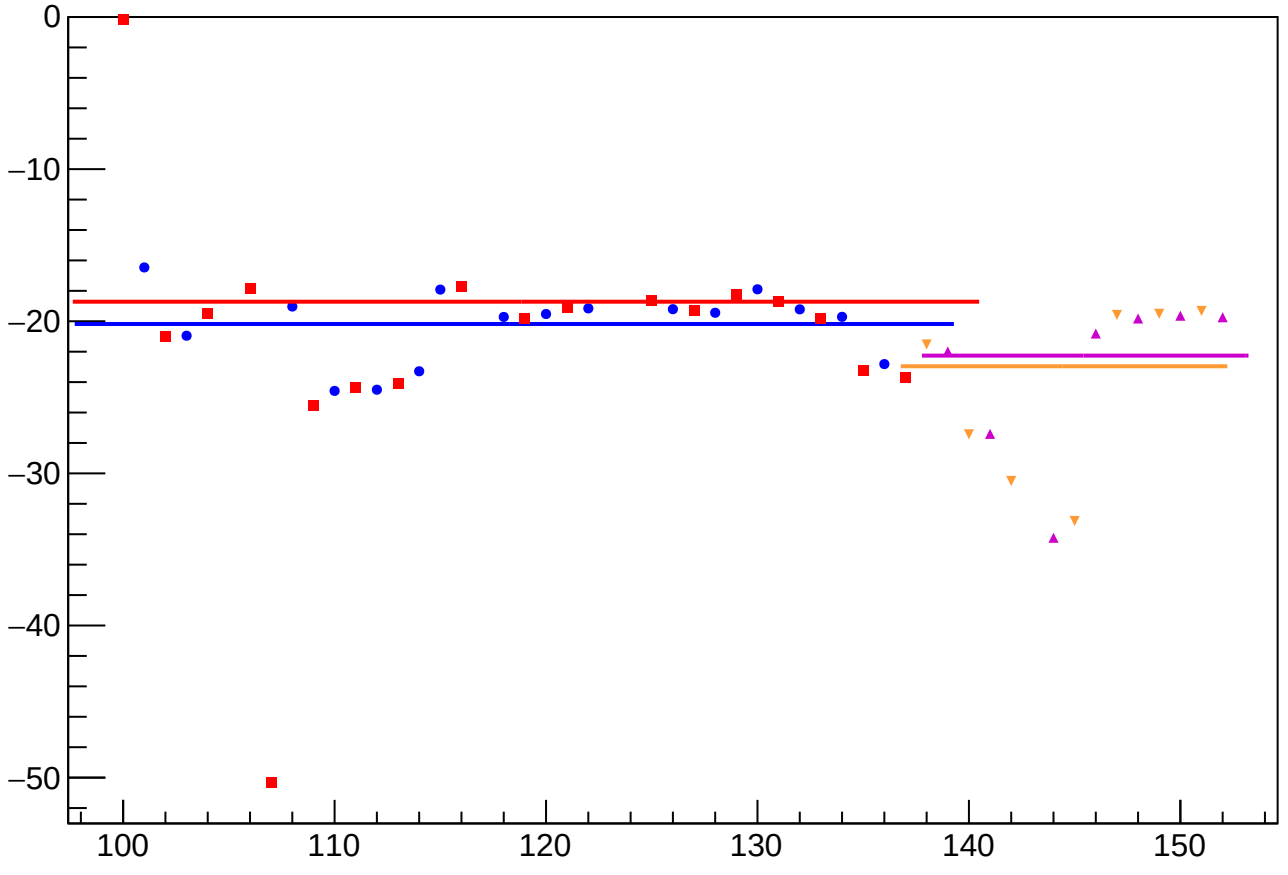
Left In: 8.788+/-0.301 χ^2/NDF:108.8/6

+ sign 5.247+/-0.196 χ^2/NDF: 651.7/22

All: 5.304+/-0.138 χ^2/NDF: 1350.3/47

- sign 5.359+/-0.194 χ^2/NDF: 698.5/24

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -22.959+/-0.016 χ^2/NDF:96153.3/6

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

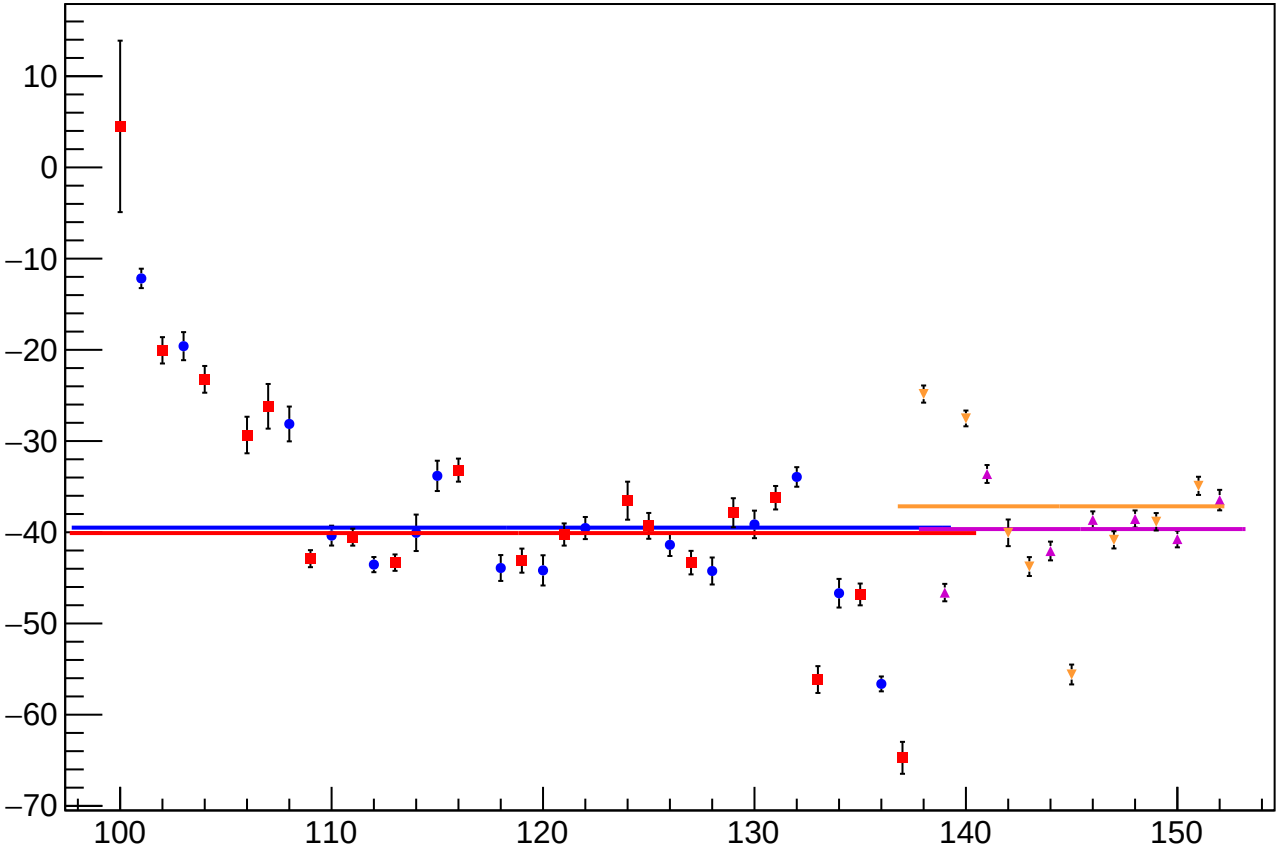
Left In: -22.258+/-0.014 χ^2/NDF:82730.2/6

+ sign -21.608+/-0.011 χ^2/NDF: 131404.2/22

All: -21.085+/-0.008 χ^2/NDF: 480773.9/47

- sign -20.617+/-0.011 χ^2/NDF: 345236.8/24

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -37.157+/-0.355 χ^2/NDF:650.2/7

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

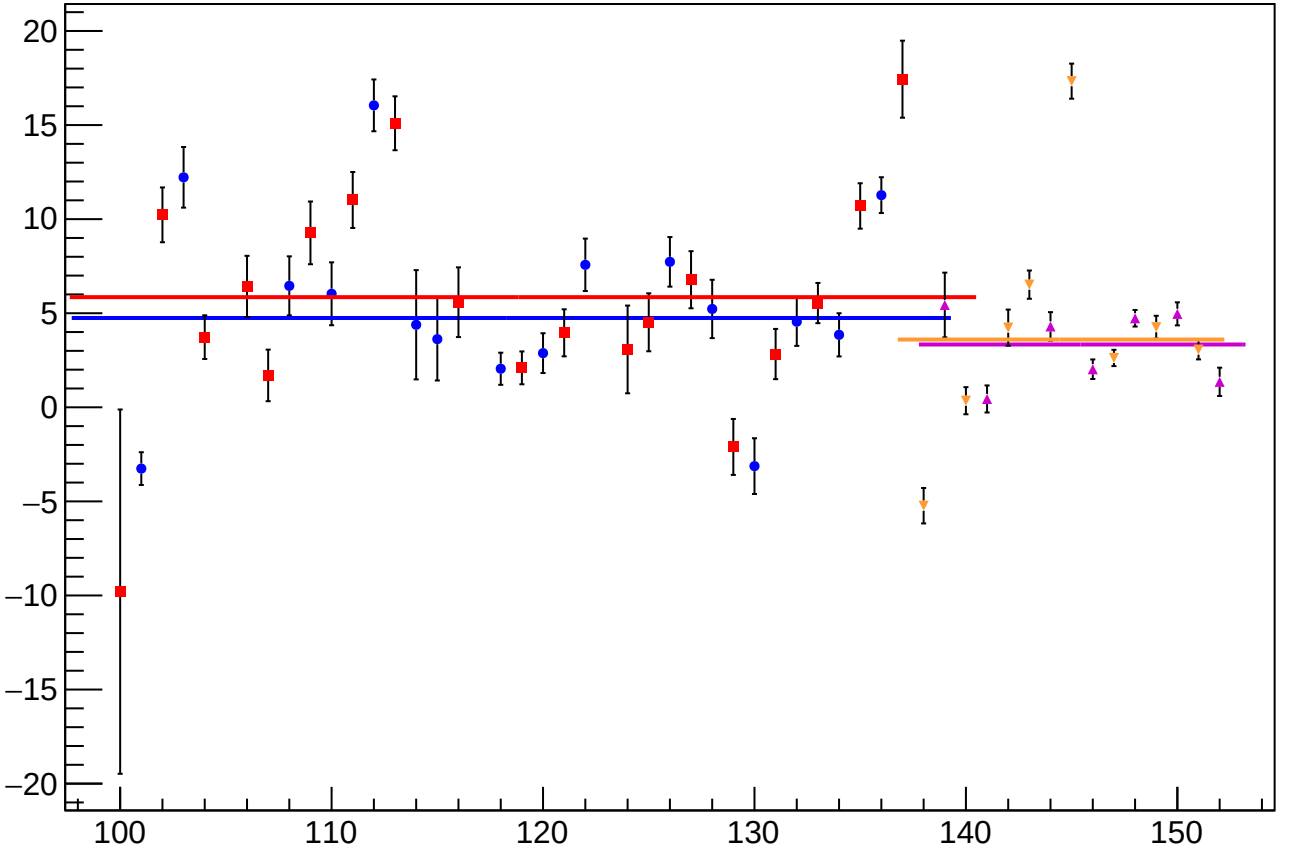
Left In: -39.650+/-0.368 χ^2/NDF:108.4/6

+ sign -38.479+/-0.234 χ^2/NDF: 2091.8/23

All: -39.188+/-0.166 χ^2/NDF: 3054.6/49

- sign -39.909+/-0.236 χ^2/NDF: 944.2/25

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 3.602+/-0.231 χ^2/NDF:348.0/7

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

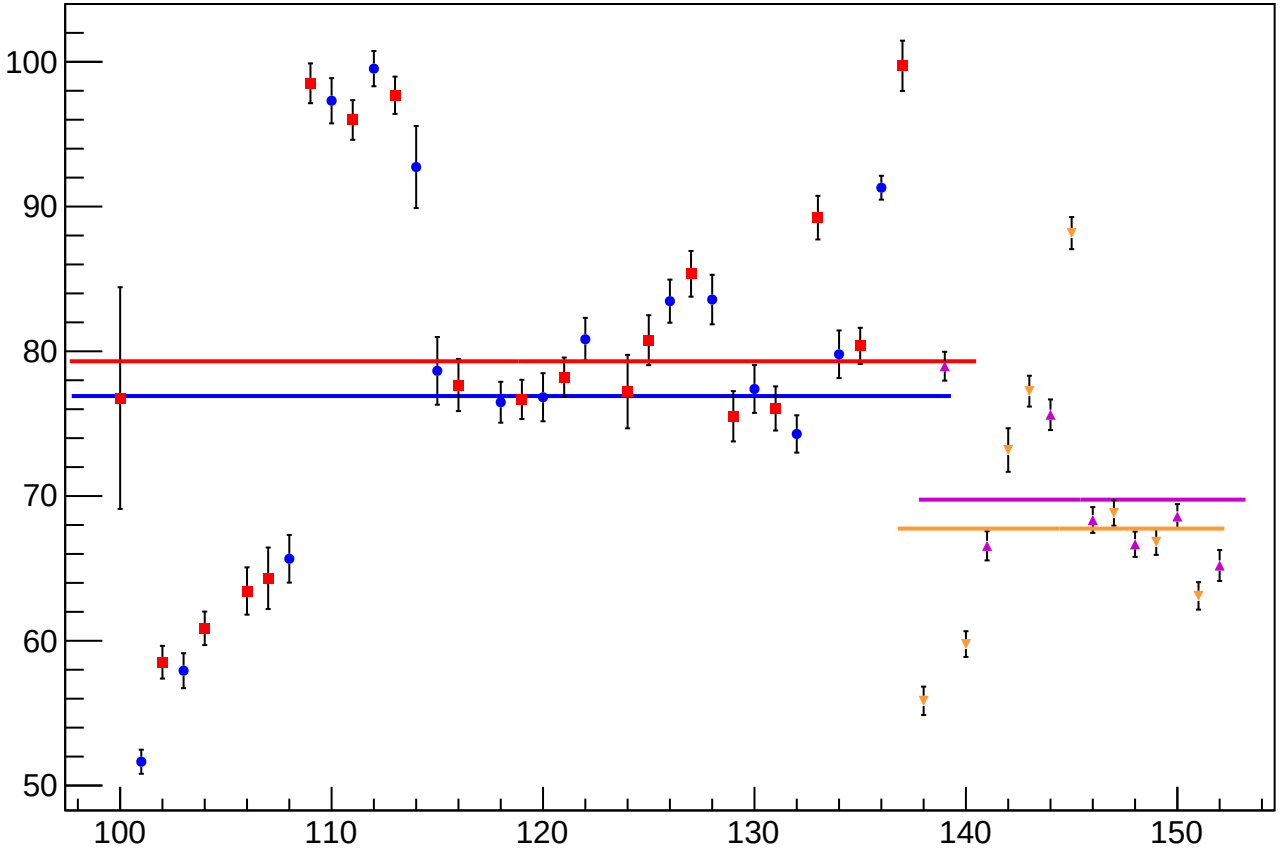
Left In: 3.338+/-0.240 χ^2/NDF:49.8/6

+ sign 4.000+/-0.186 χ^2/NDF: 630.4/23

All: 4.111+/-0.134 χ^2/NDF: 907.5/49

- sign 4.231+/-0.193 χ^2/NDF: 276.3/25

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 67.752+/-0.351 χ^2/NDF:686.0/7

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

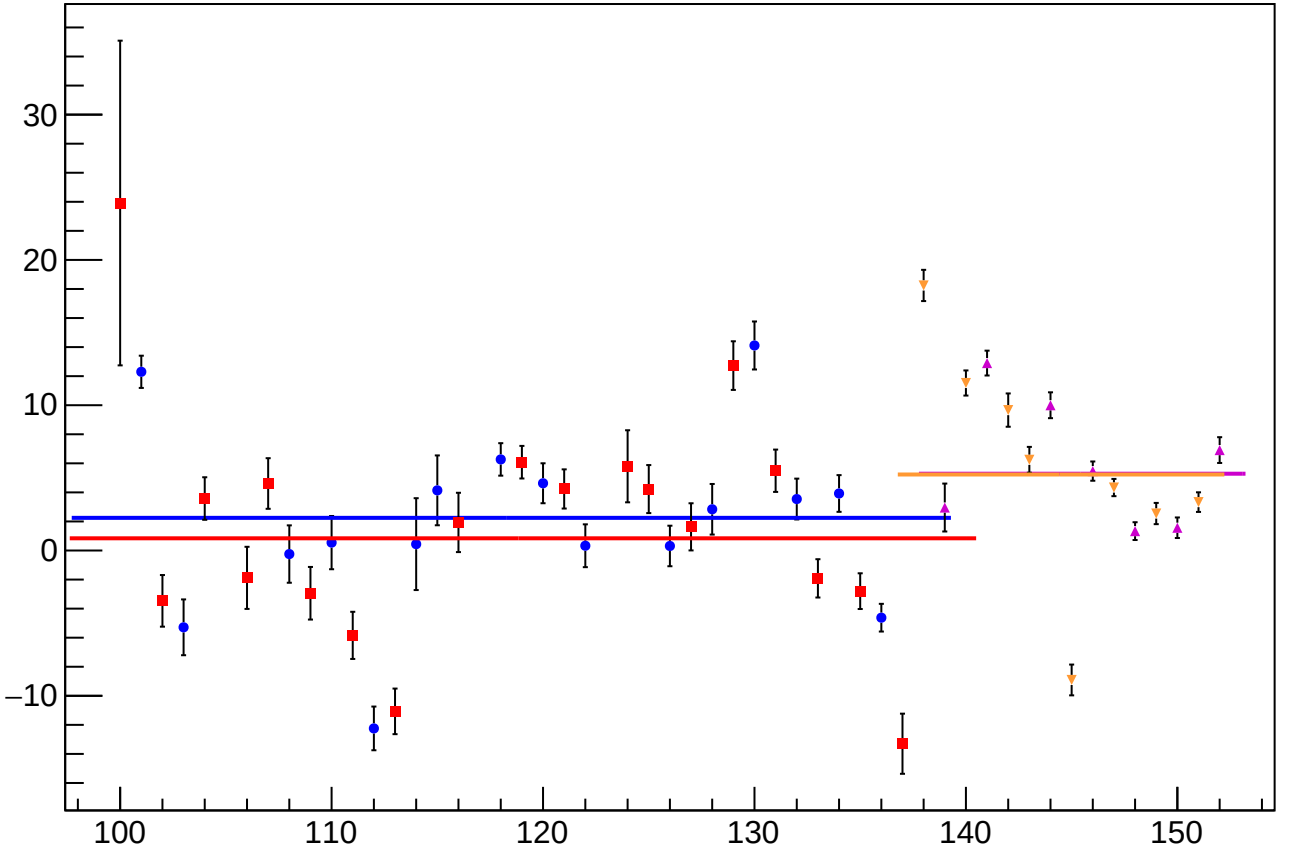
Left In: 69.751+/-0.360 χ^2/NDF:161.4/6

+ sign 72.522+/-0.243 χ^2/NDF: 3156.0/23

All: 73.578+/-0.174 χ^2/NDF: 5217.2/49

- sign 74.696+/-0.250 χ^2/NDF: 2022.3/25

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 5.232+/-0.288 χ^2/NDF:417.6/7

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

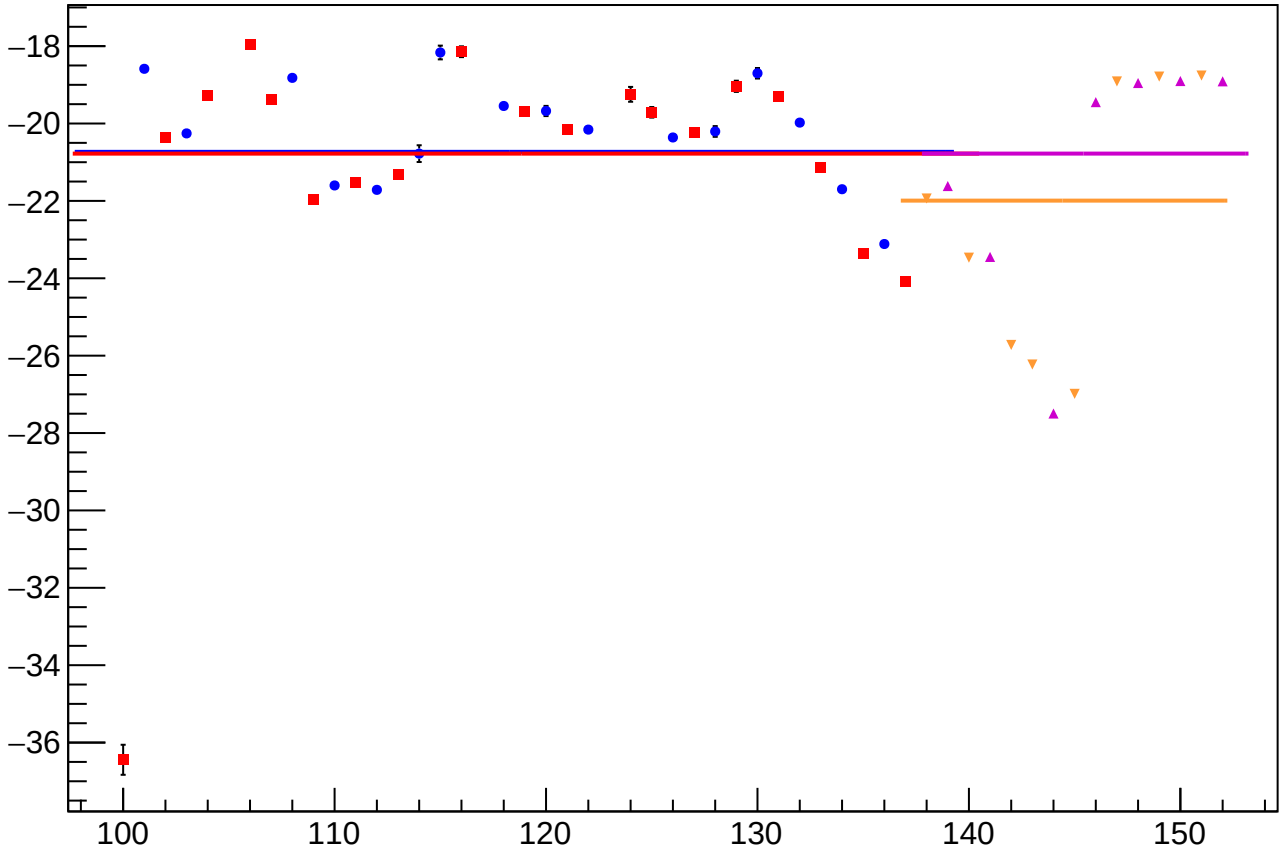
Left In: 5.286+/-0.299 χ^2/NDF:182.1/6

+ sign 4.078+/-0.226 χ^2/NDF: 778.7/23

All: 3.819+/-0.162 χ^2/NDF: 1306.5/49

- sign 3.544+/-0.233 χ^2/NDF: 525.2/25

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -21.993+/-0.015 χ^2/NDF:48228.7/7

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

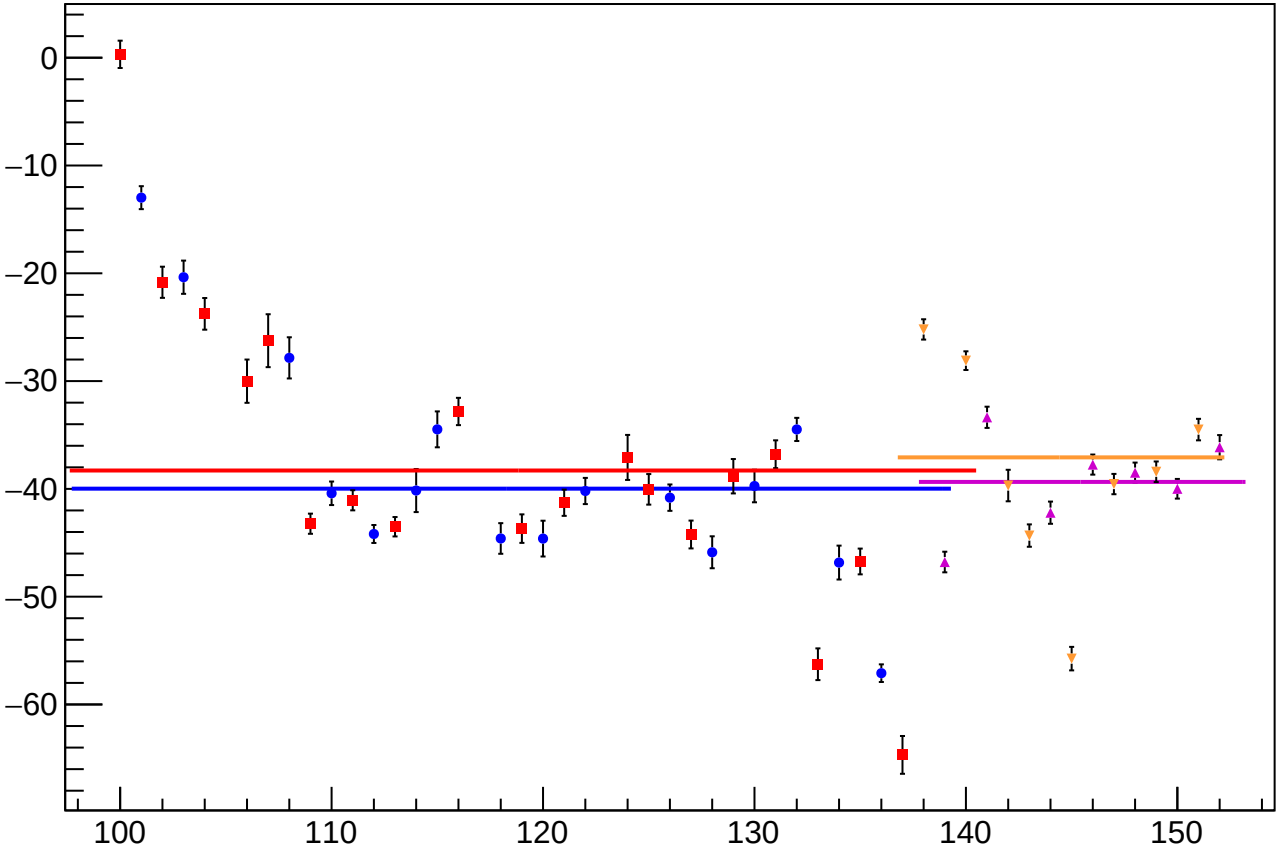
Left In: -20.778+/-0.014 χ^2/NDF:34013.0/6

+ sign -21.536+/-0.012 χ^2/NDF: 58549.3/23

All: -21.158+/-0.008 χ^2/NDF: 104090.6/49

- sign -20.778+/-0.012 χ^2/NDF: 43439.6/25

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -37.077+/-0.355 χ^2/NDF:626.8/7

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

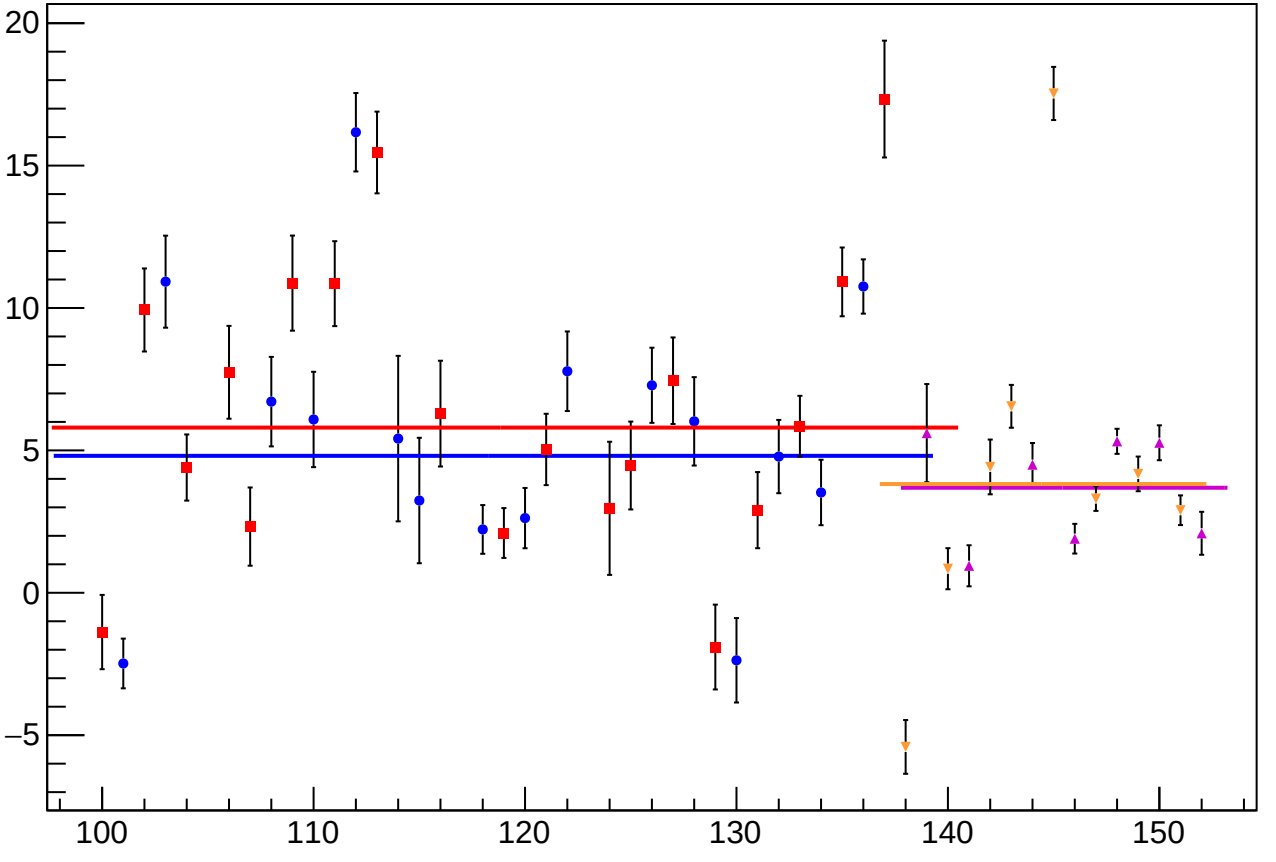
Left In: -39.354+/-0.369 χ^2/NDF:117.6/6

+ sign -38.720+/-0.234 χ^2/NDF: 2062.9/23

All: -38.718+/-0.165 χ^2/NDF: 3959.2/49

- sign -38.715+/-0.232 χ^2/NDF: 1896.3/25

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 3.818+/-0.231 χ^2/NDF:346.9/7

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

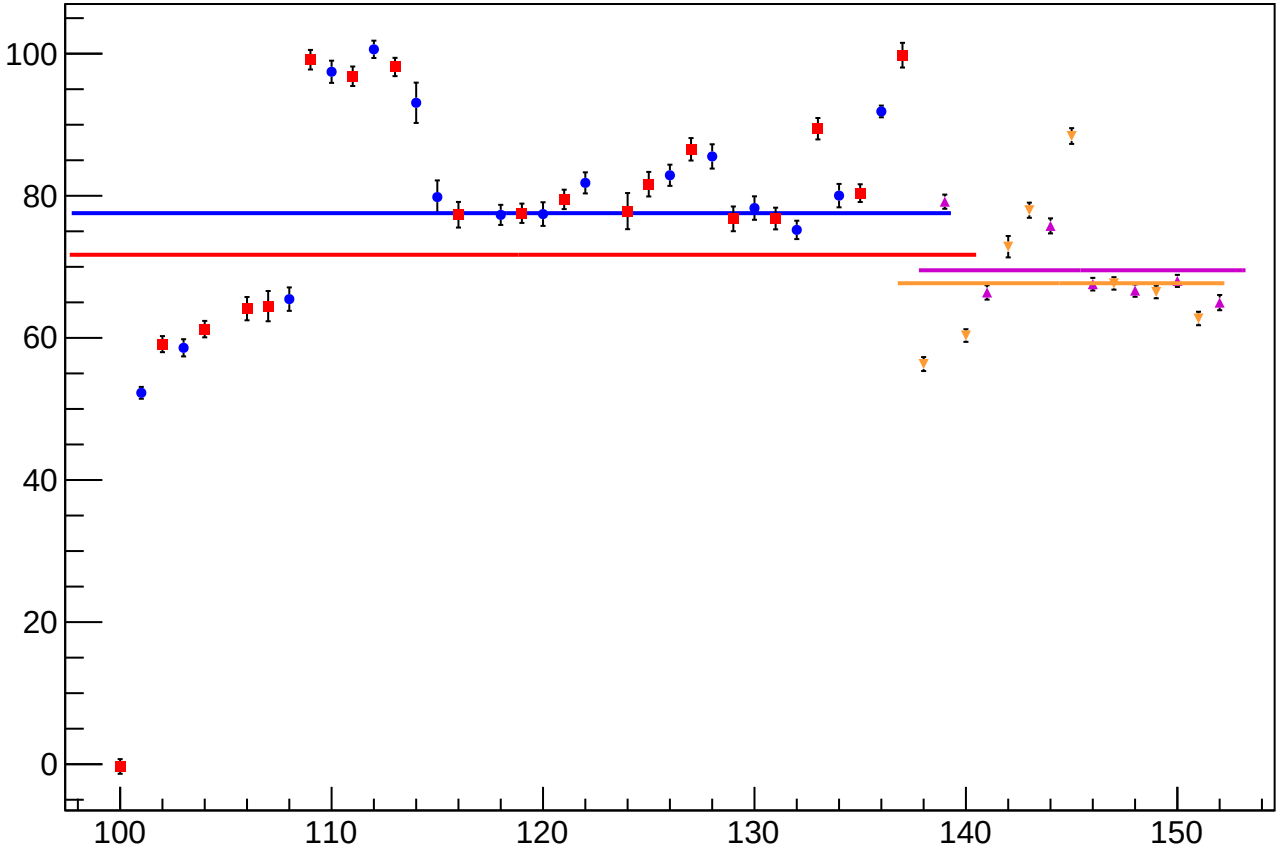
Left In: 3.688+/-0.241 χ^2/NDF:53.5/6

\+ sign 4.162+/-0.187 χ^2/NDF: 593.8/23

All: 4.311+/-0.134 χ^2/NDF: 893.3/49

\- sign 4.467+/-0.191 χ^2/NDF: 298.3/25

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 67.694+/-0.352 χ^2/NDF:684.2/7

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

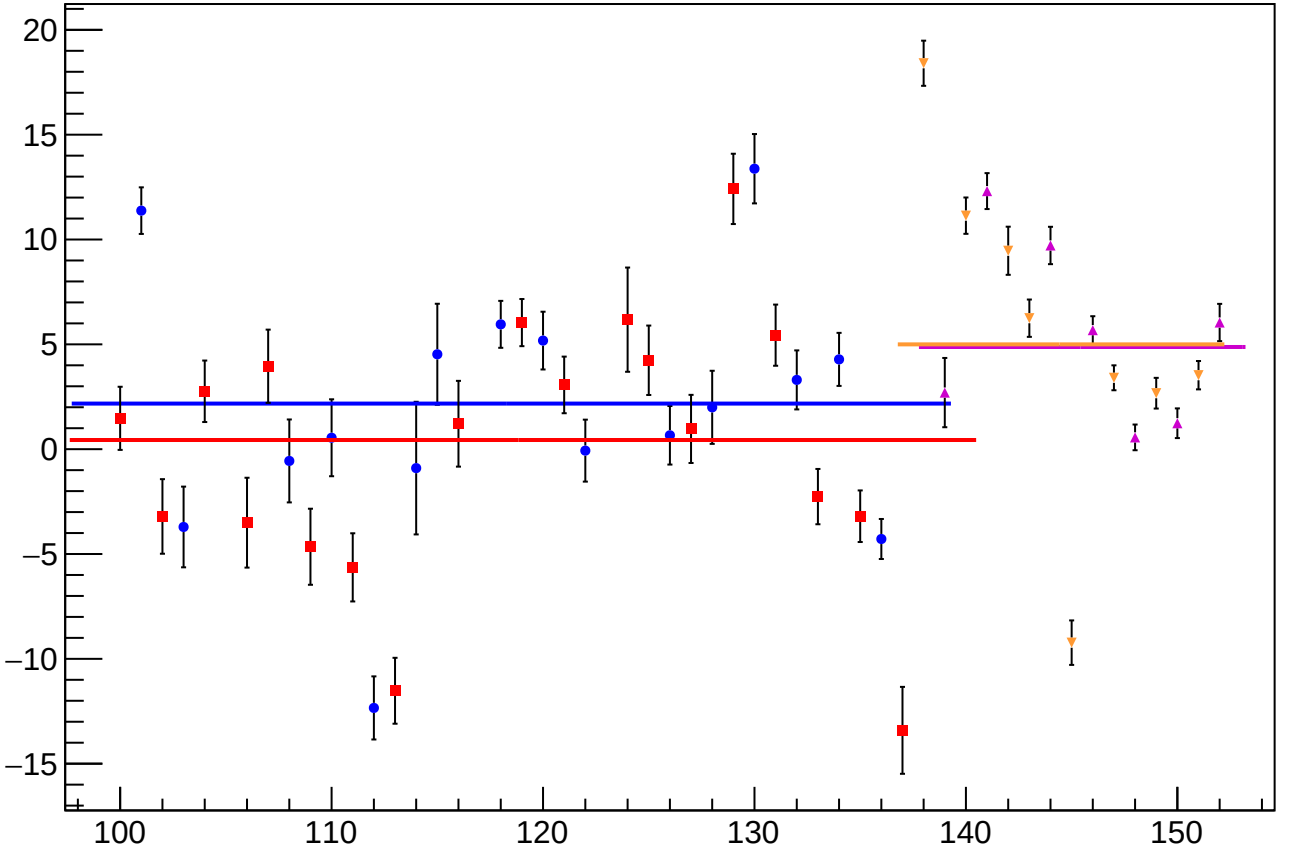
Left In: 69.514+/-0.361 χ^2/NDF:174.5/6

\+ sign 72.831+/-0.244 χ^2/NDF: 3211.6/23

All: 71.767+/-0.172 χ^2/NDF: 10347.7/49

\- sign 70.702+/-0.244 χ^2/NDF: 7098.0/25

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 4.999+/-0.289 χ^2/NDF:424.2/7

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

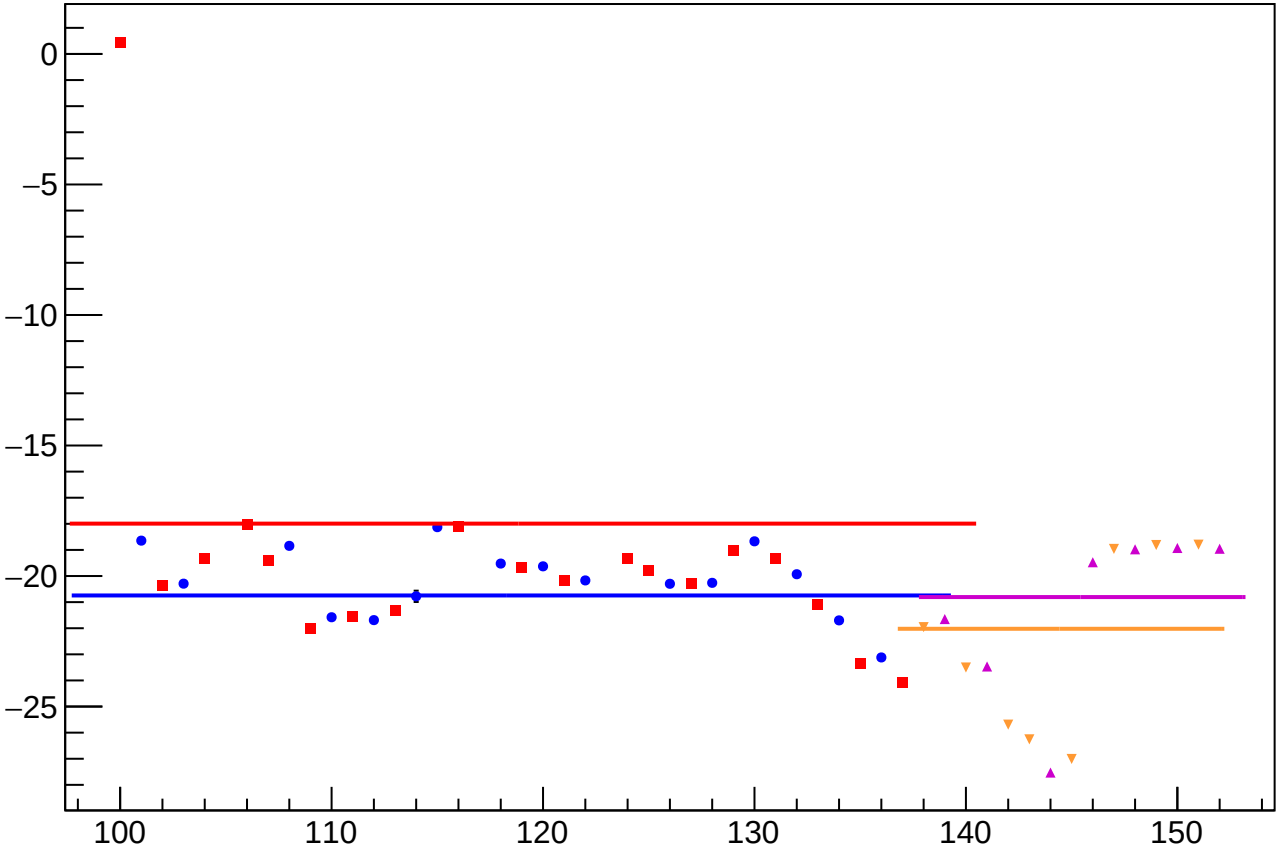
Left In: 4.874+/-0.299 χ^2/NDF:185.6/6

+ sign 3.906+/-0.226 χ^2/NDF: 751.5/23

All: 3.498+/-0.161 χ^2/NDF: 1287.2/49

- sign 3.074+/-0.231 χ^2/NDF: 529.0/25

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -22.021+/-0.015 χ^2/NDF:47830.7/7

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

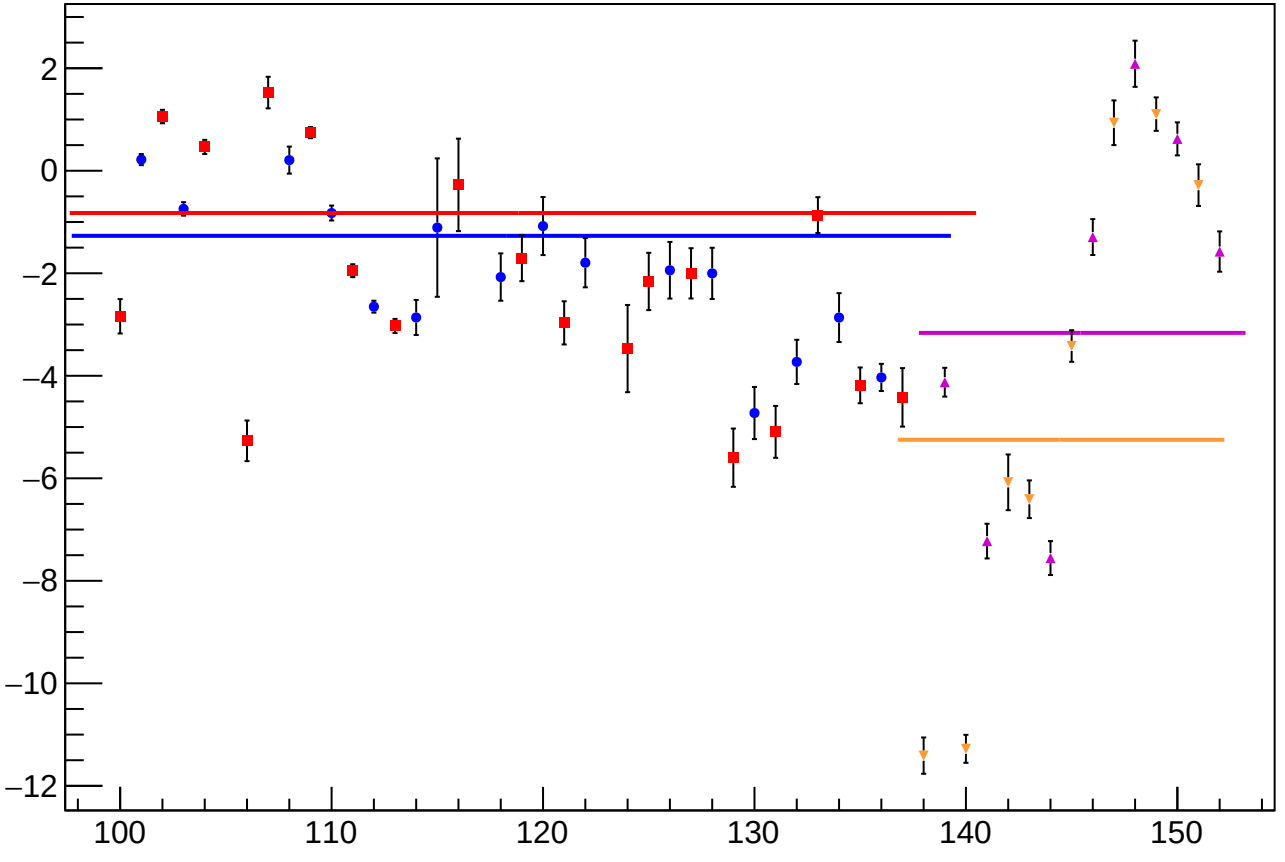
Left In: -20.806+/-0.014 χ^2/NDF:33895.5/6

+ sign -21.559+/-0.012 χ^2/NDF: 58090.8/23

All: -20.645+/-0.008 χ^2/NDF: 268517.5/49

- sign -19.770+/-0.011 χ^2/NDF: 198501.6/25

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.248+/-0.126 χ^2/NDF:1567.8/7

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

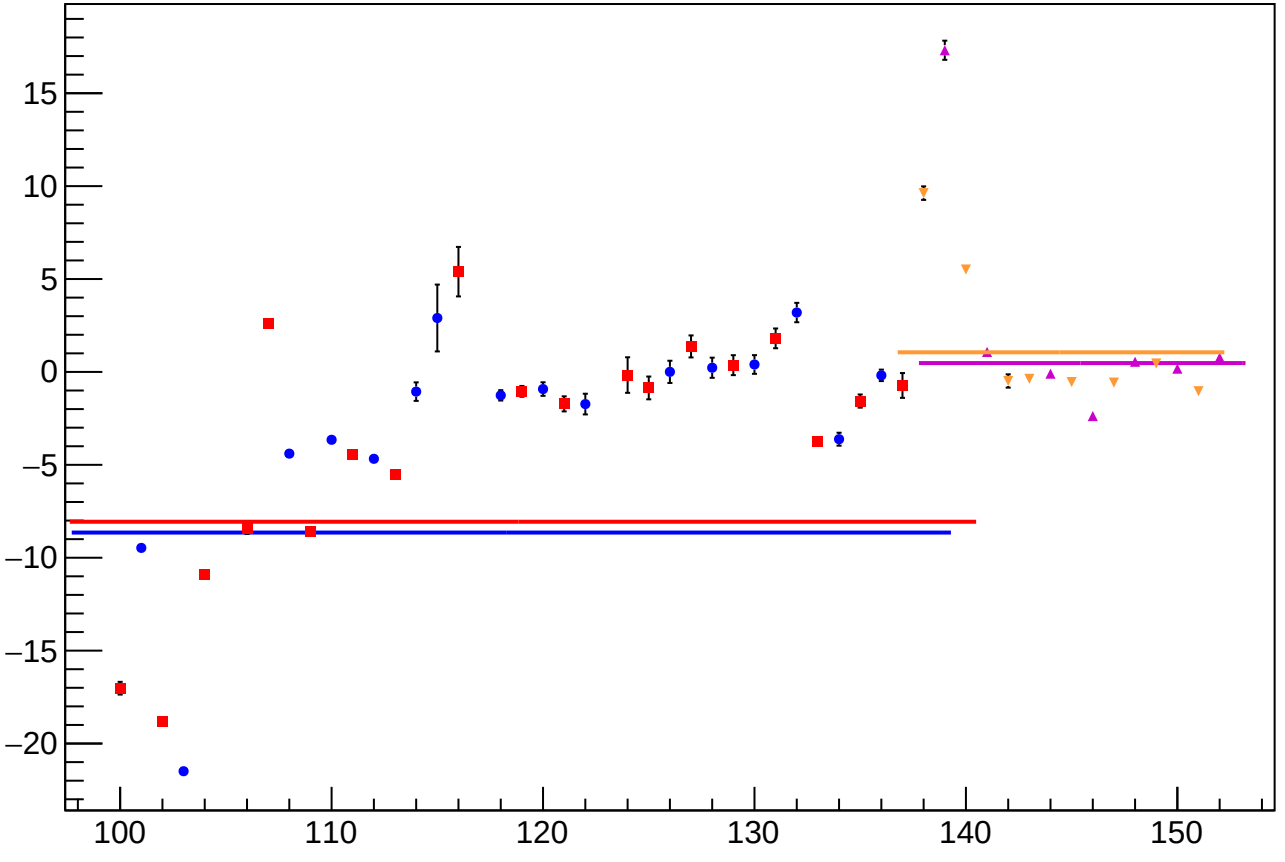
Left In: -3.163+/-0.129 χ^2/NDF:650.9/6

+ sign -1.900+/-0.050 χ^2/NDF: 3028.5/23

All: -1.500+/-0.034 χ^2/NDF: 5468.0/49

- sign -1.140+/-0.047 χ^2/NDF: 2317.9/25

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.057+/-0.088 χ^2/NDF:1173.8/7

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

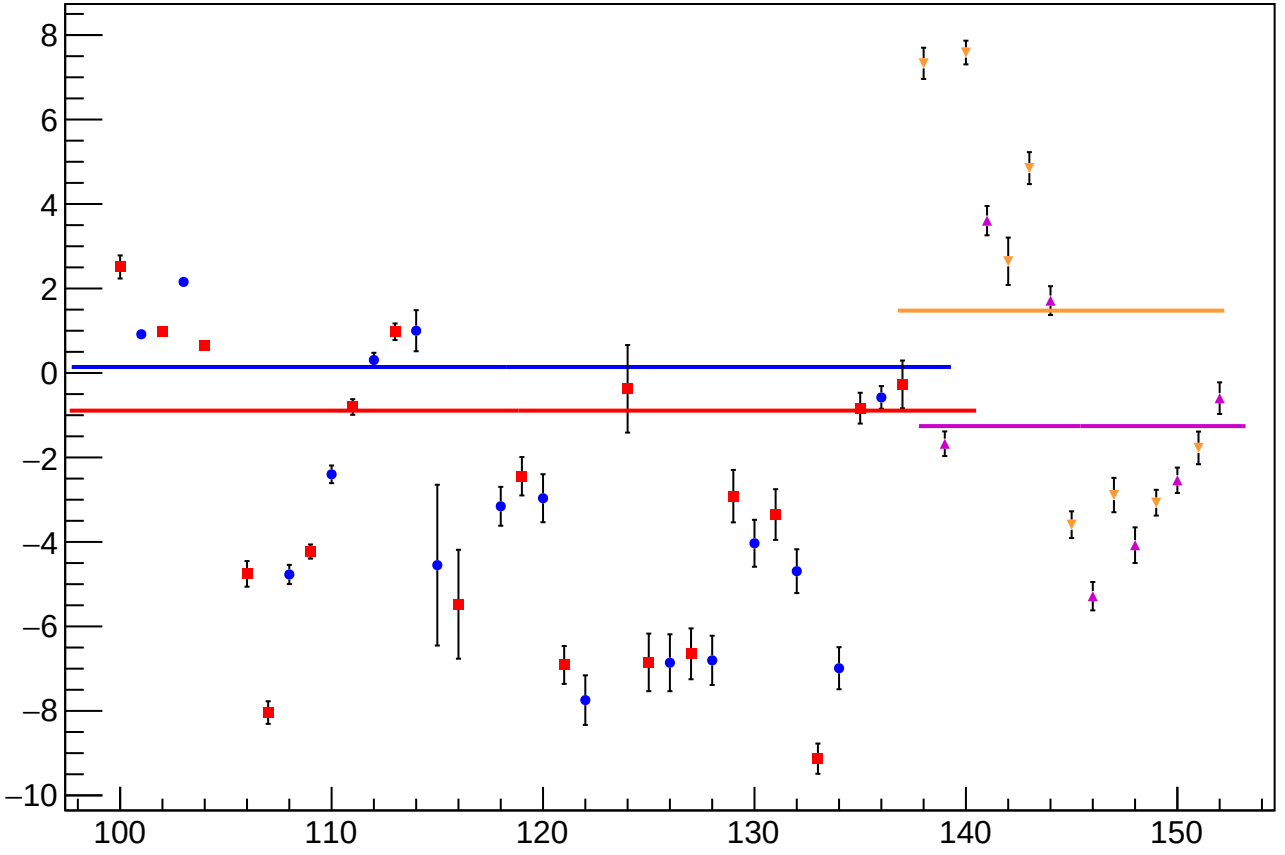
Left In: 0.477+/-0.093 χ^2/NDF:1262.1/6

+ sign -5.777+/-0.048 χ^2/NDF: 23584.7/23

All: -5.743+/-0.034 χ^2/NDF: 45360.4/49

- sign -5.707+/-0.049 χ^2/NDF: 21774.6/25

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.476+/-0.125 χ^2/NDF:1472.9/7

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

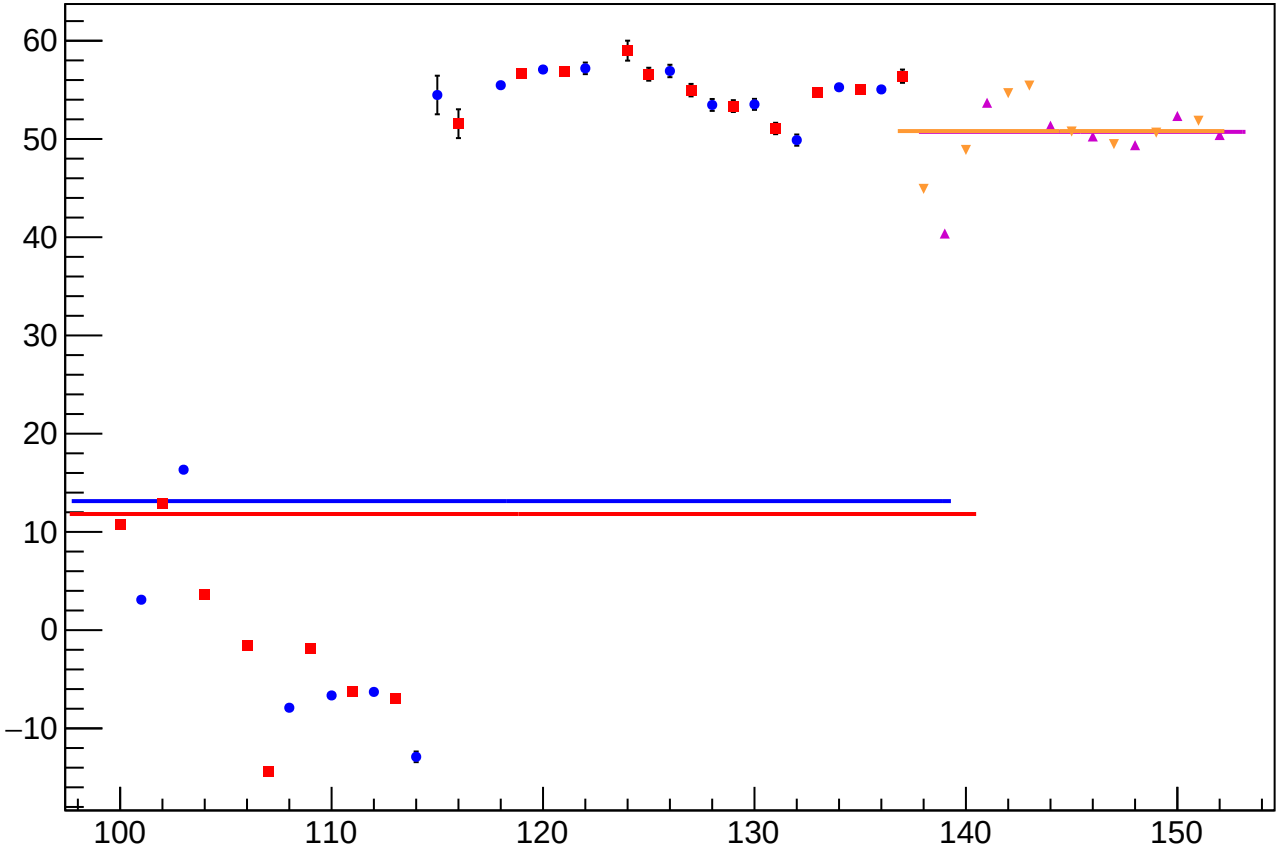
Left In: -1.258+/-0.128 χ^2/NDF:483.6/6

+ sign 0.344+/-0.049 χ^2/NDF: 3528.9/23

All: -0.292+/-0.035 χ^2/NDF: 7349.9/49

- sign -0.946+/-0.049 χ^2/NDF: 3476.3/25

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.805+/-0.107 χ^2/NDF:586.9/7

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

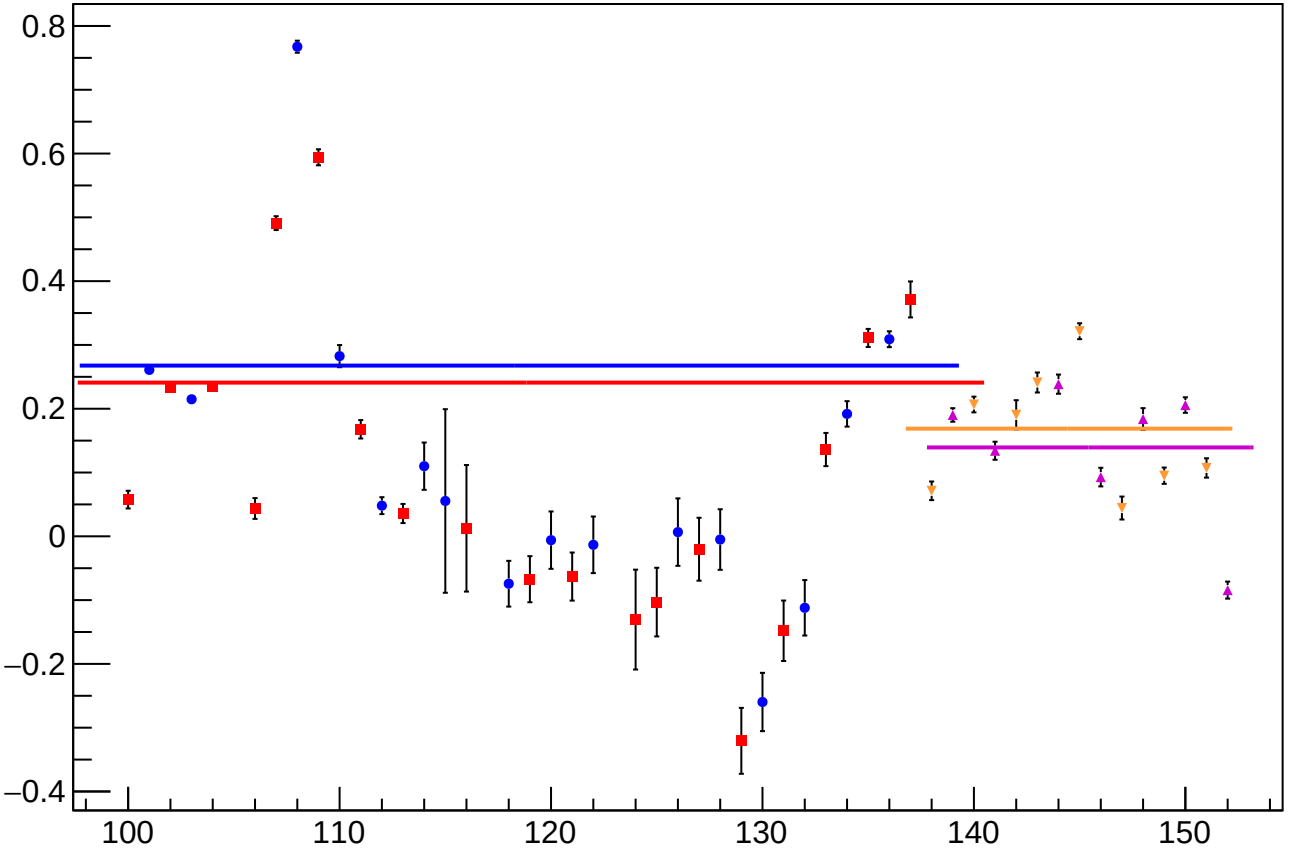
Left In: 50.724+/-0.112 χ^2/NDF:609.2/6

+ sign 23.934+/-0.057 χ^2/NDF: 197275.3/23

All: 23.103+/-0.041 χ^2/NDF: 404628.6/49

- sign 22.253+/-0.058 χ^2/NDF: 206929.1/25

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.169+/-0.005 χ^2/NDF:323.0/7

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

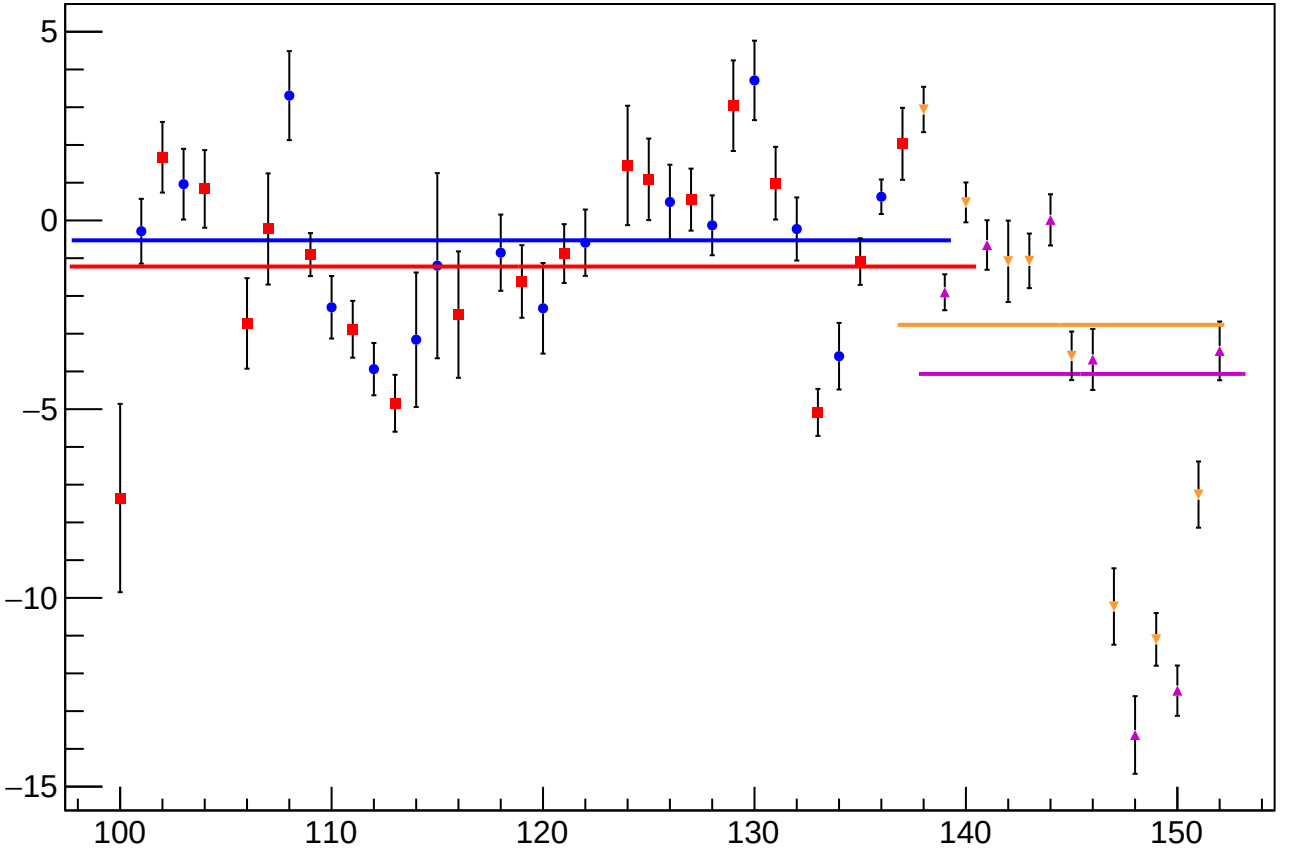
Left In: 0.139+/-0.005 χ^2/NDF:393.3/6

+ sign 0.245+/-0.002 χ^2/NDF: 4325.2/23

All: 0.231+/-0.002 χ^2/NDF: 7431.2/49

- sign 0.218+/-0.002 χ^2/NDF: 3042.7/25

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -2.766+/-0.251 χ^2/NDF:360.3/7

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

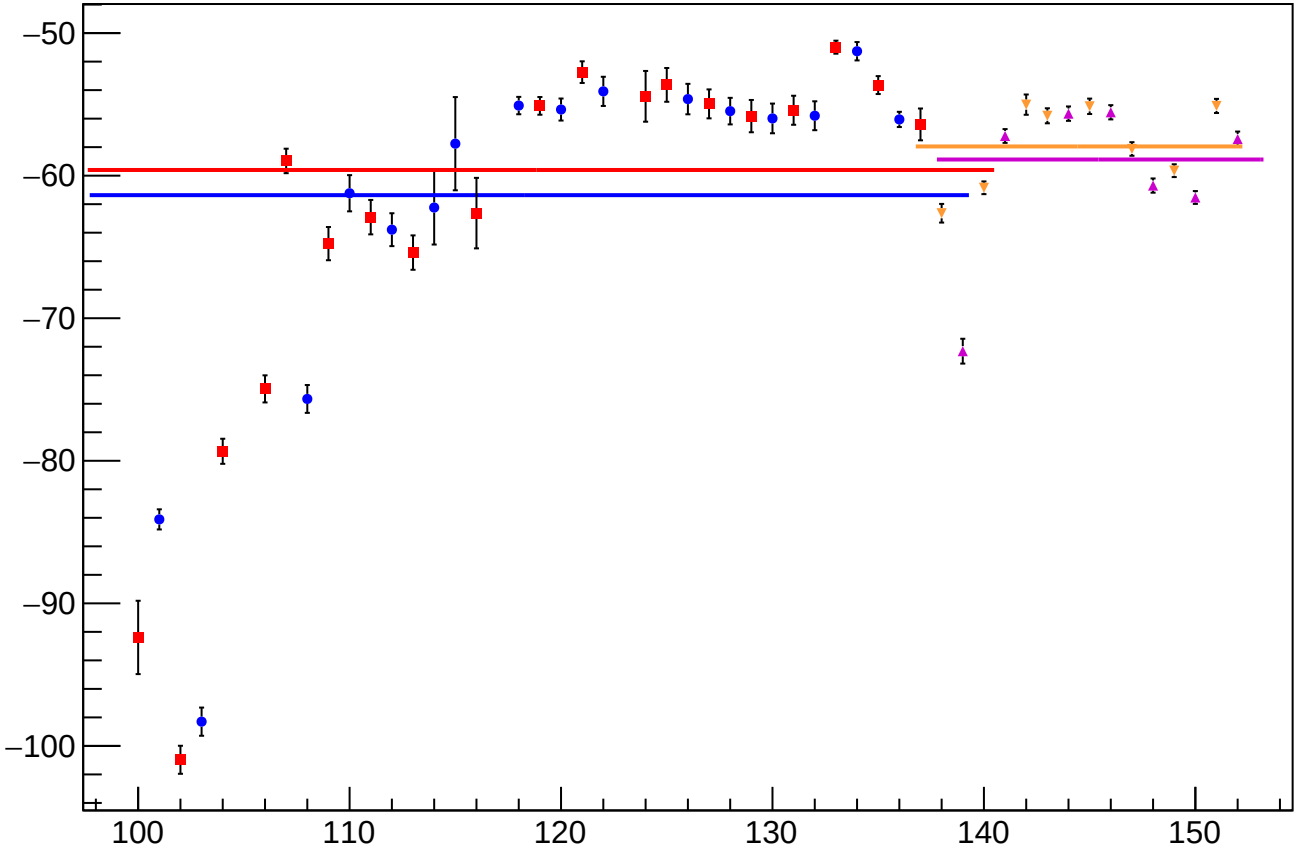
Left In: -4.066+/-0.256 χ^2/NDF:329.9/6

+ sign -1.485+/-0.164 χ^2/NDF: 488.6/23

All: -1.919+/-0.114 χ^2/NDF: 1038.5/49

- sign -2.331+/-0.160 χ^2/NDF: 536.3/25

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -57.951+/-0.183 χ^2/NDF:201.5/7

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

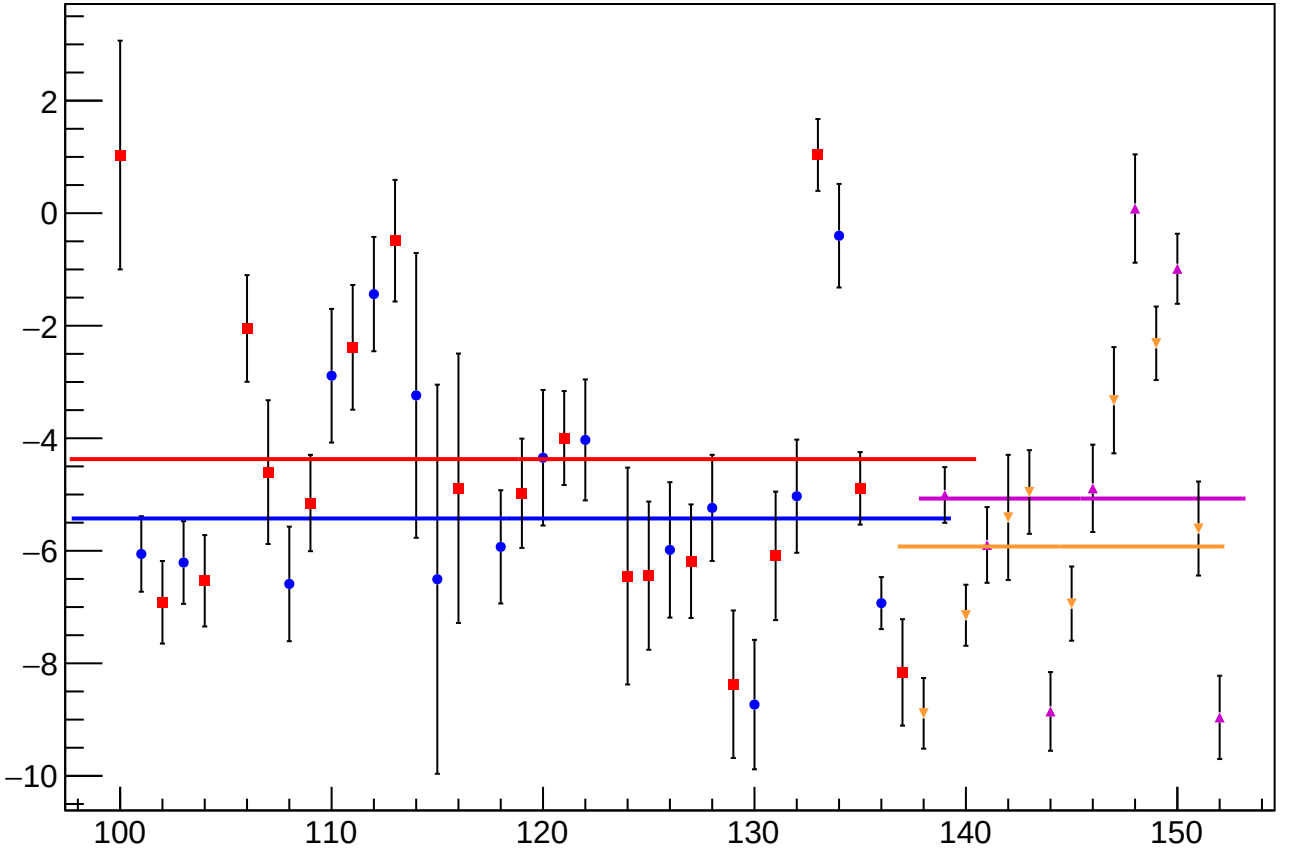
Left In: -58.867+/-0.196 χ^2/NDF:390.2/6

+ sign -59.357+/-0.141 χ^2/NDF: 3695.8/23

All: -59.287+/-0.100 χ^2/NDF: 7514.5/49

- sign -59.214+/-0.142 χ^2/NDF: 3818.1/25

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -5.924+/-0.252 χ^2/NDF:70.0/7

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

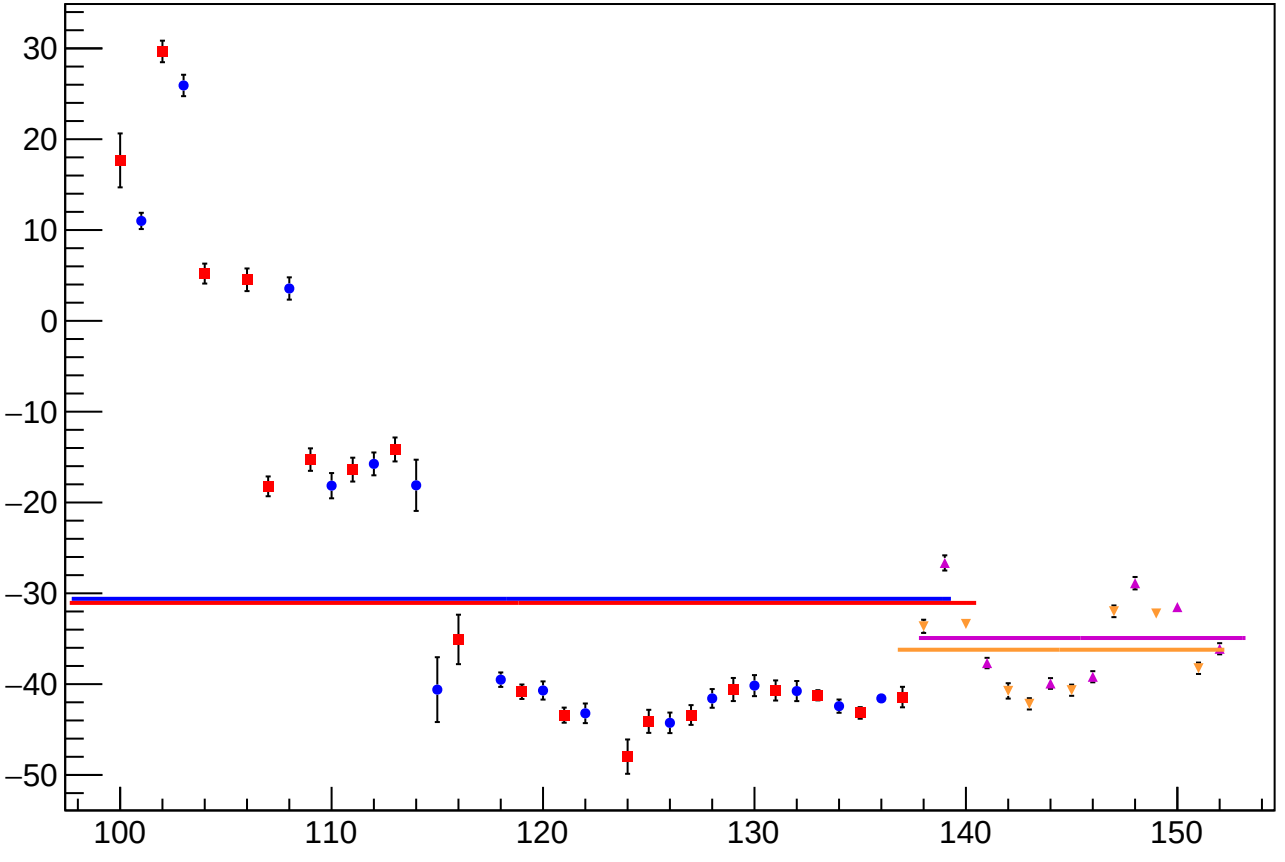
Left In: -5.071+/-0.254 χ^2/NDF:130.1/6

+ sign -5.652+/-0.170 χ^2/NDF: 148.1/23

All: -5.156+/-0.119 χ^2/NDF: 455.9/49

- sign -4.675+/-0.167 χ^2/NDF: 291.0/25

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.211+/-0.221 χ^2/NDF:322.3/7

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

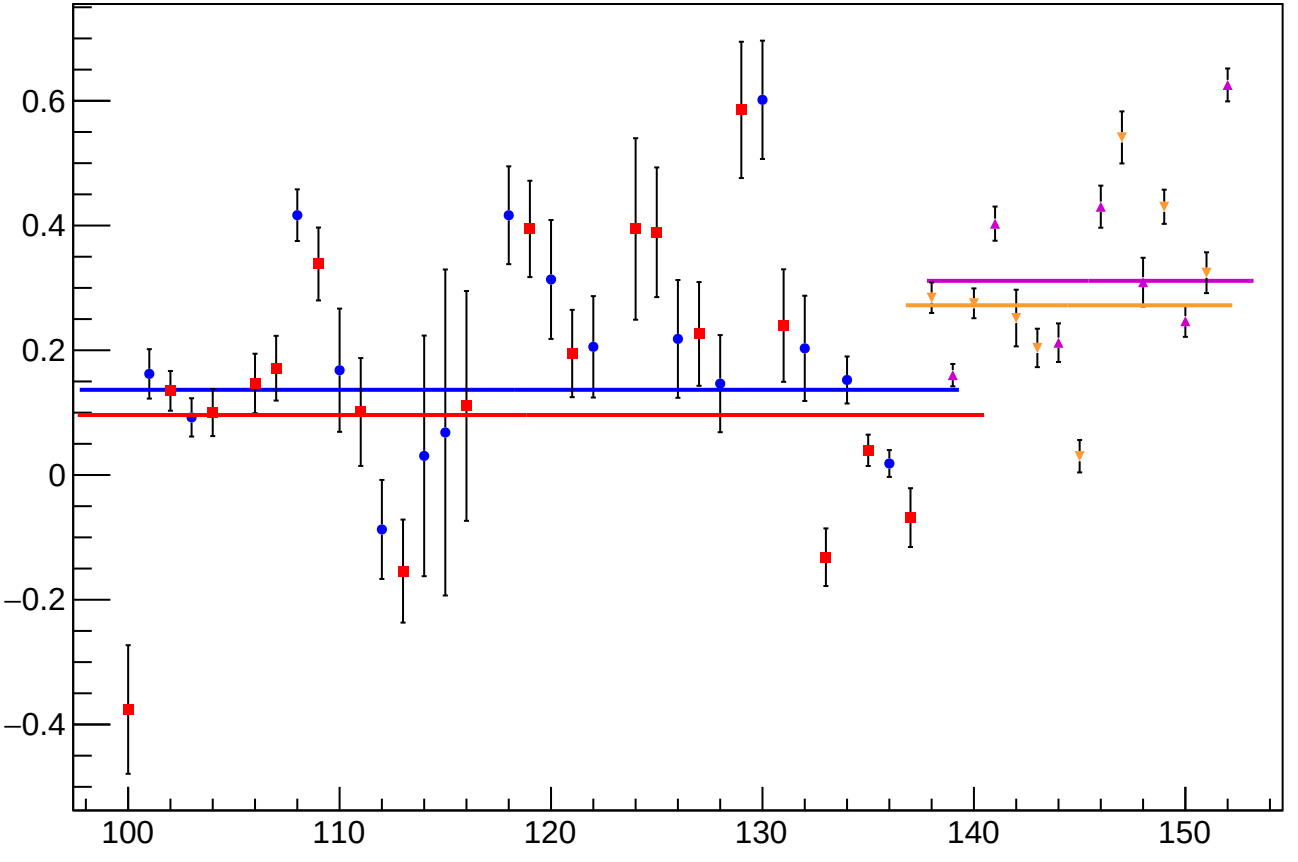
Left In: -34.922+/-0.233 χ^2/NDF:365.5/6

+ sign -33.741+/-0.166 χ^2/NDF: 7543.1/23

All: -33.388+/-0.117 χ^2/NDF: 15029.3/49

- sign -33.032+/-0.166 χ^2/NDF: 7477.1/25

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.272+/-0.010 χ^2/NDF:169.2/7

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

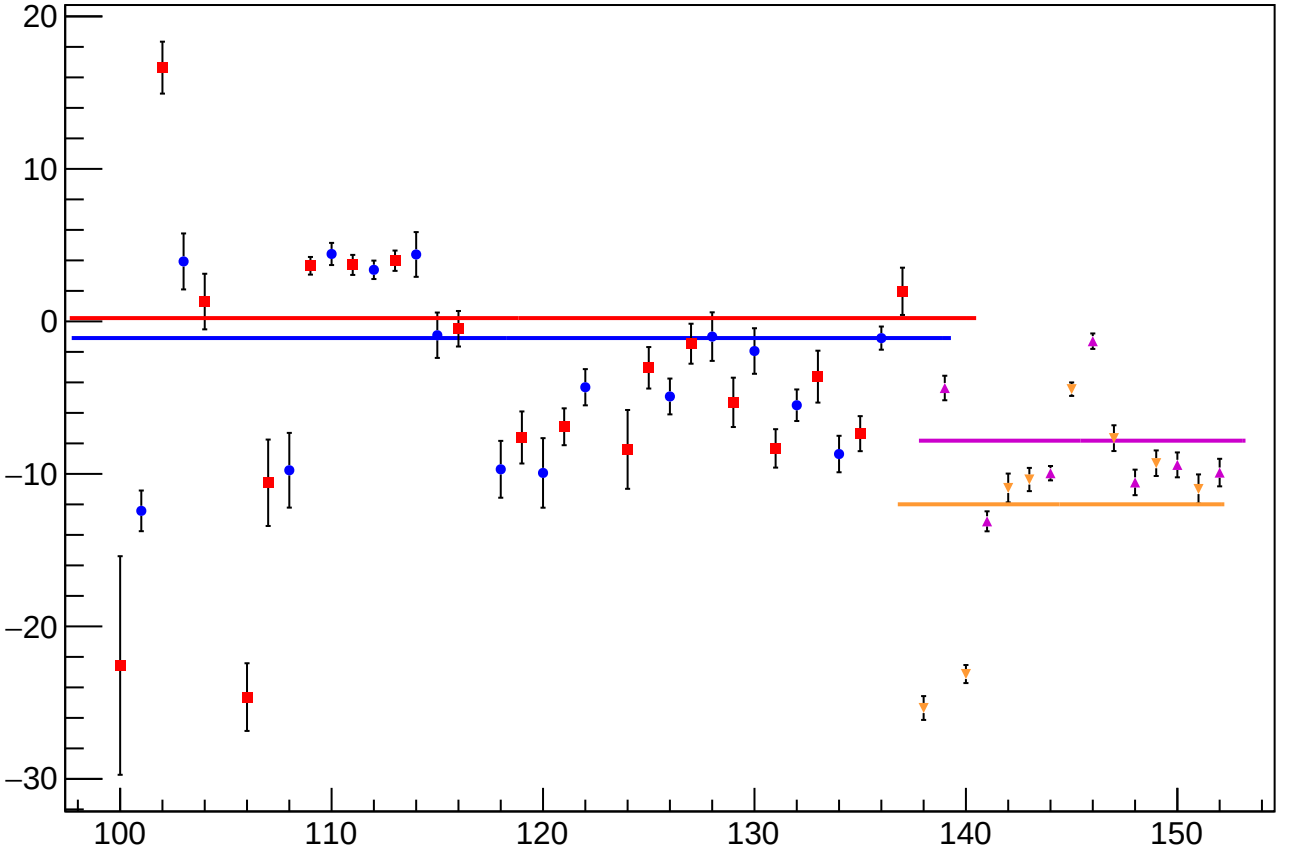
Left In: 0.311+/-0.010 χ^2/NDF:253.2/6

+ sign 0.217+/-0.008 χ^2/NDF: 368.1/23

All: 0.222+/-0.006 χ^2/NDF: 953.3/49

- sign 0.226+/-0.008 χ^2/NDF: 584.5/25

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -11.994+/-0.247 χ^2/NDF:981.3/7

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

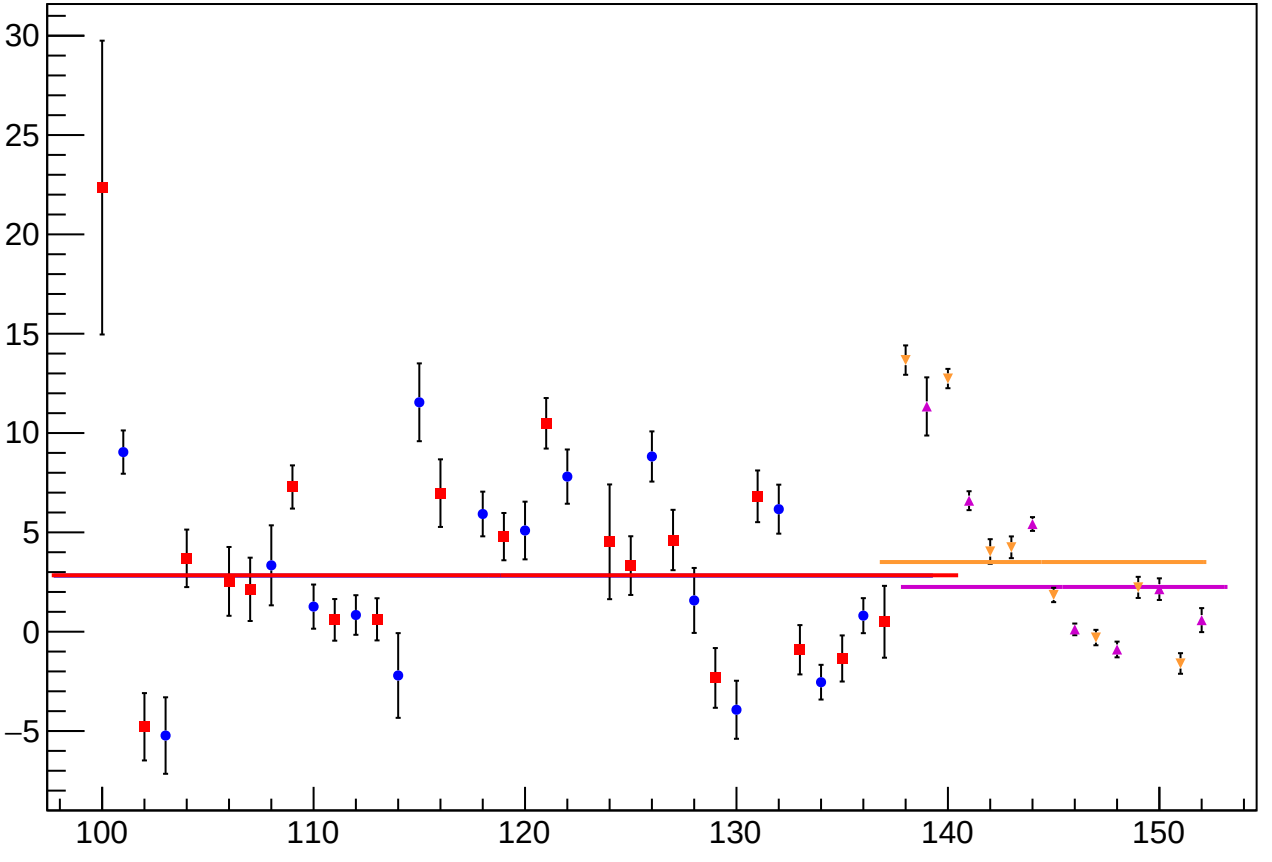
Left In: -7.822+/-0.247 χ^2/NDF:289.6/6

+ sign -7.230+/-0.185 χ^2/NDF: 2163.2/23

All: -5.630+/-0.130 χ^2/NDF: 3609.4/49

- sign -4.107+/-0.181 χ^2/NDF: 1300.9/25

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.507+/-0.173 χ^2/NDF:771.7/7

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

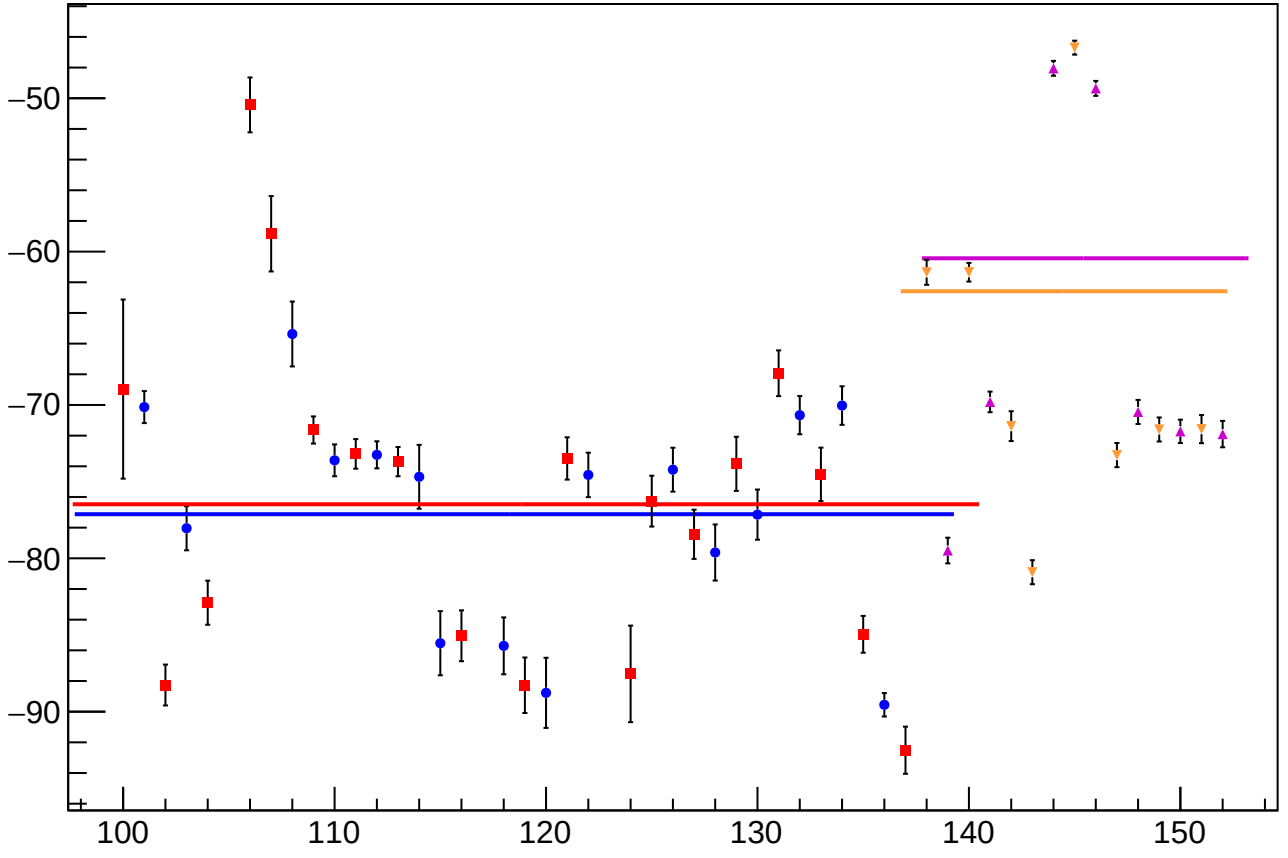
Left In: 2.252+/-0.164 χ^2/NDF:329.0/6

+ sign 3.348+/-0.151 χ^2/NDF: 974.9/23

All: 2.844+/-0.105 χ^2/NDF: 1473.0/49

- sign 2.373+/-0.146 χ^2/NDF: 476.6/25

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -62.585+/-0.249 χ^2/NDF:2263.1/7

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

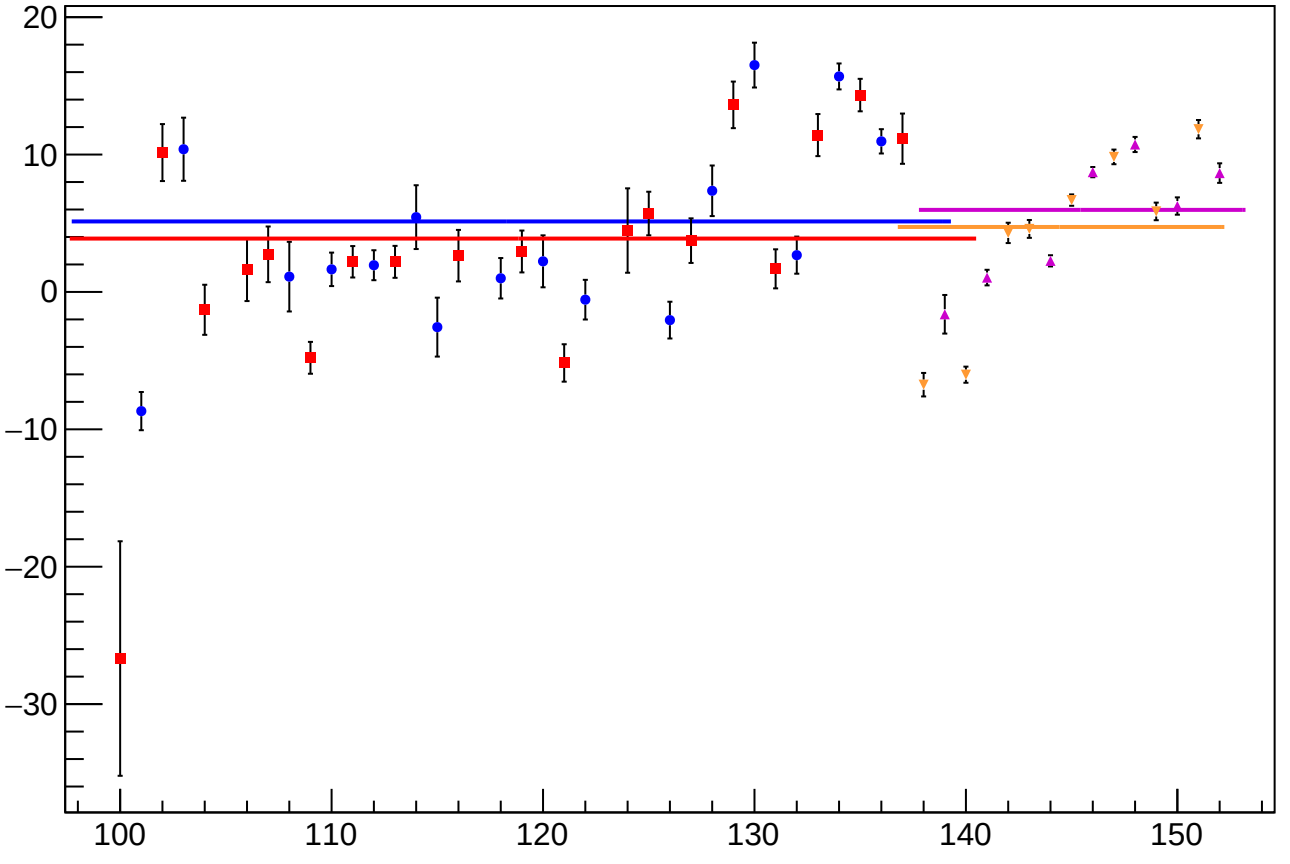
Left In: -60.436+/-0.244 χ^2/NDF:2439.6/6

\+ sign -67.934+/-0.198 χ^2/NDF: 4021.3/23

All: -67.028+/-0.139 χ^2/NDF: 8734.1/49

\- sign -66.141+/-0.196 χ^2/NDF: 4671.4/25

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.729+/-0.211 χ^2/NDF:747.0/7

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

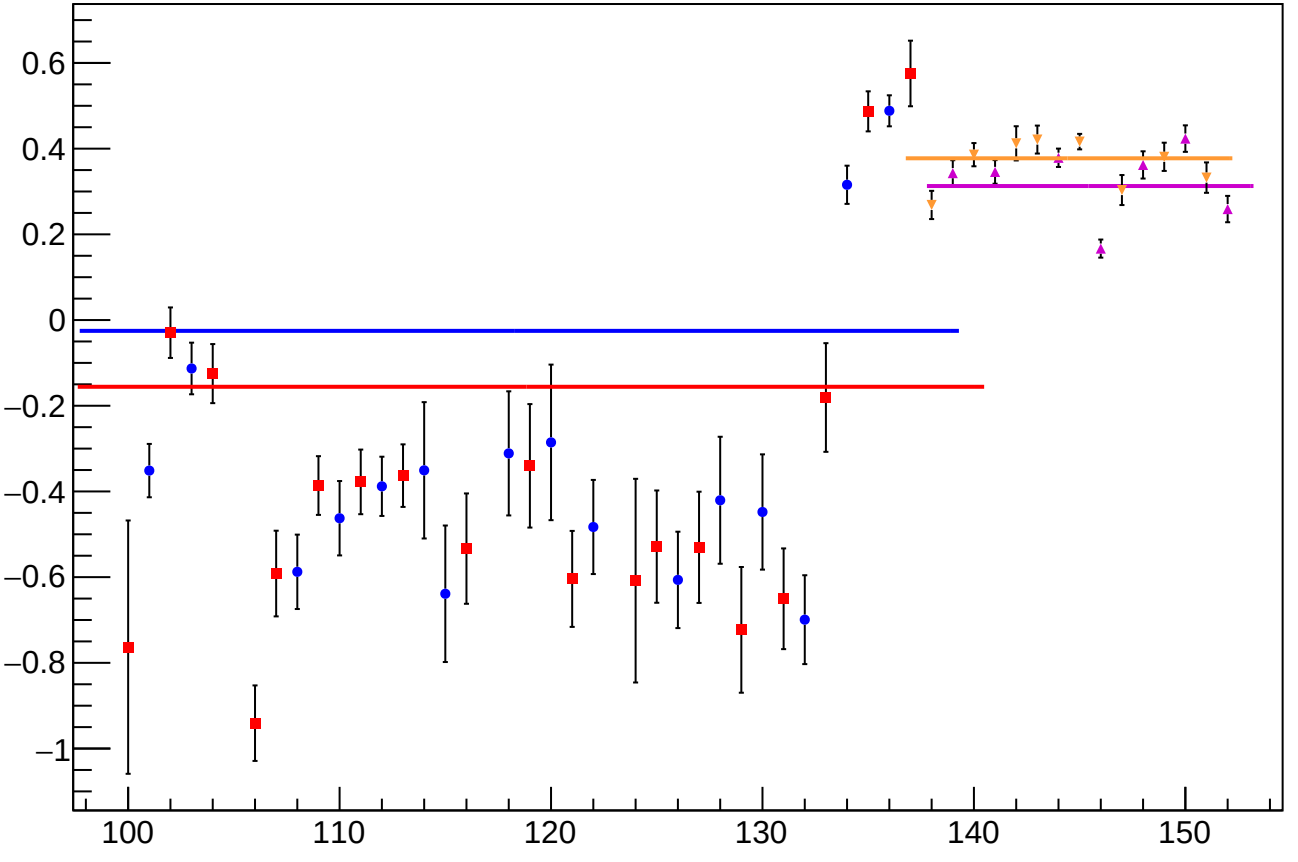
Left In: 5.973+/-0.201 χ^2/NDF:331.2/6

+ sign 4.836+/-0.181 χ^2/NDF: 1160.3/23

All: 5.166+/-0.126 χ^2/NDF: 1814.9/49

- sign 5.478+/-0.176 χ^2/NDF: 648.1/25

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.377+/-0.010 χ^2/NDF:24.3/7

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

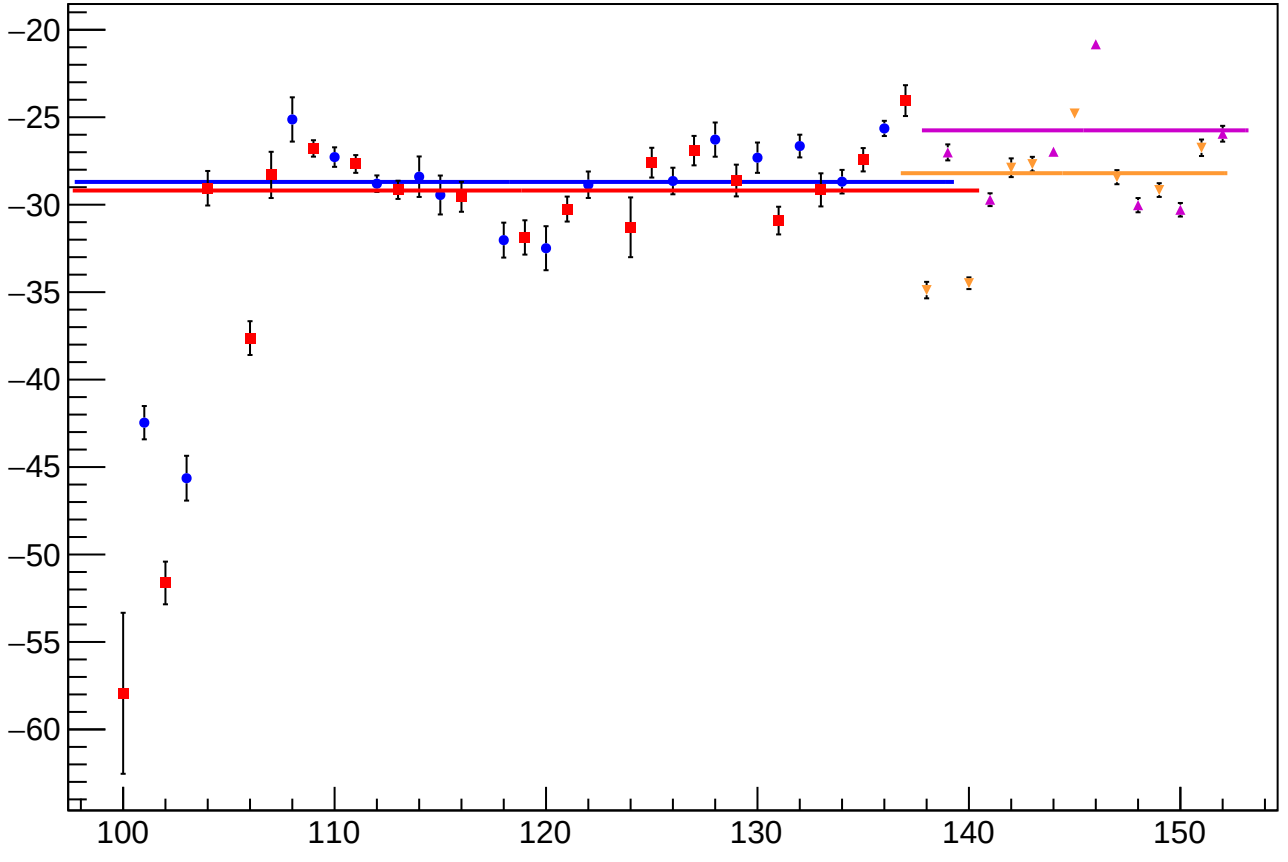
Left In: 0.313+/-0.010 χ^2/NDF:78.0/6

+ sign 0.286+/-0.009 χ^2/NDF: 885.7/23

All: 0.253+/-0.006 χ^2/NDF: 1916.1/49

- sign 0.220+/-0.009 χ^2/NDF: 1004.0/25

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.199+/-0.125 χ^2/NDF:855.6/7

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

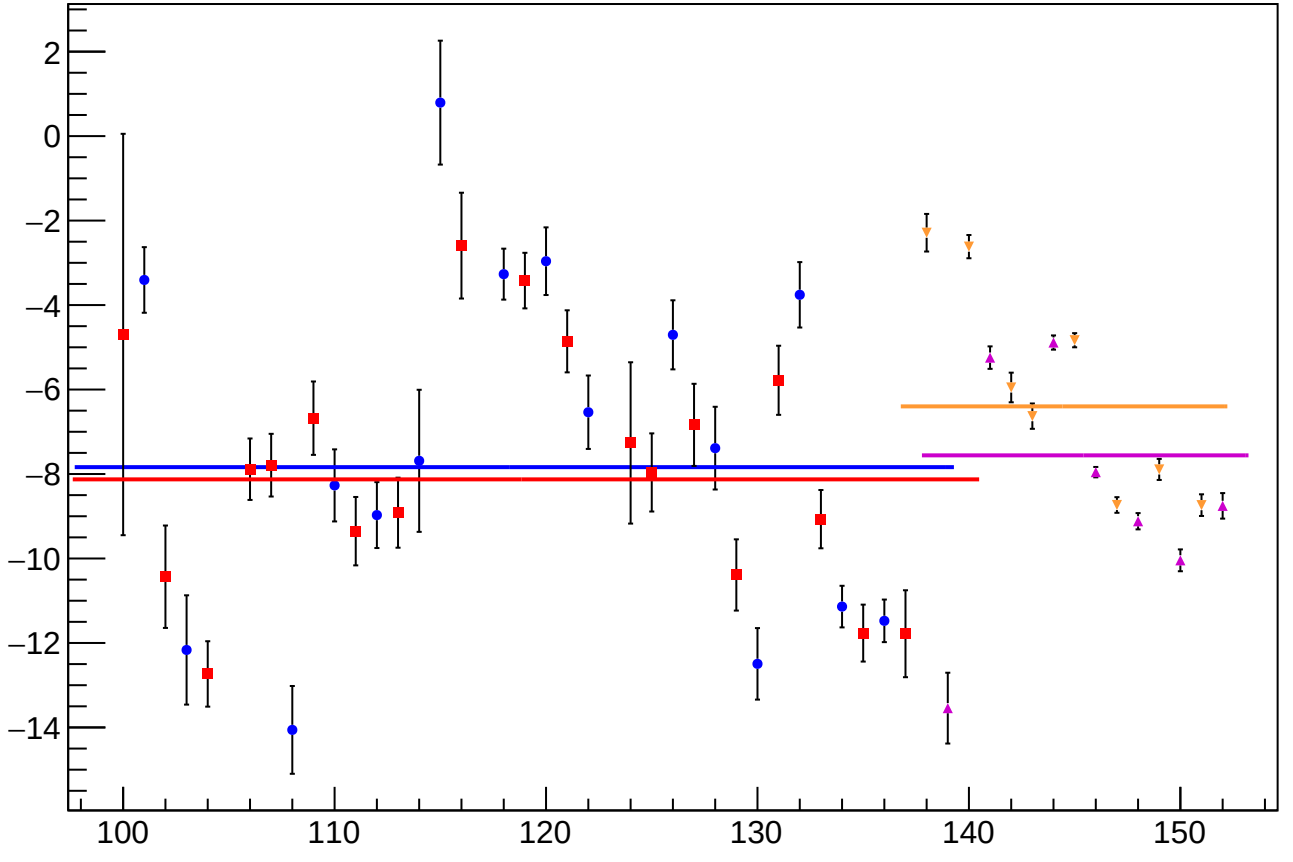
Left In: -25.750+/-0.117 χ^2/NDF:970.5/6

+ sign -28.354+/-0.104 χ^2/NDF: 1347.8/23

All: -27.520+/-0.071 χ^2/NDF: 3252.6/49

- sign -26.767+/-0.099 χ^2/NDF: 1781.5/25

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.399+/-0.087 χ^2/NDF:642.0/7

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

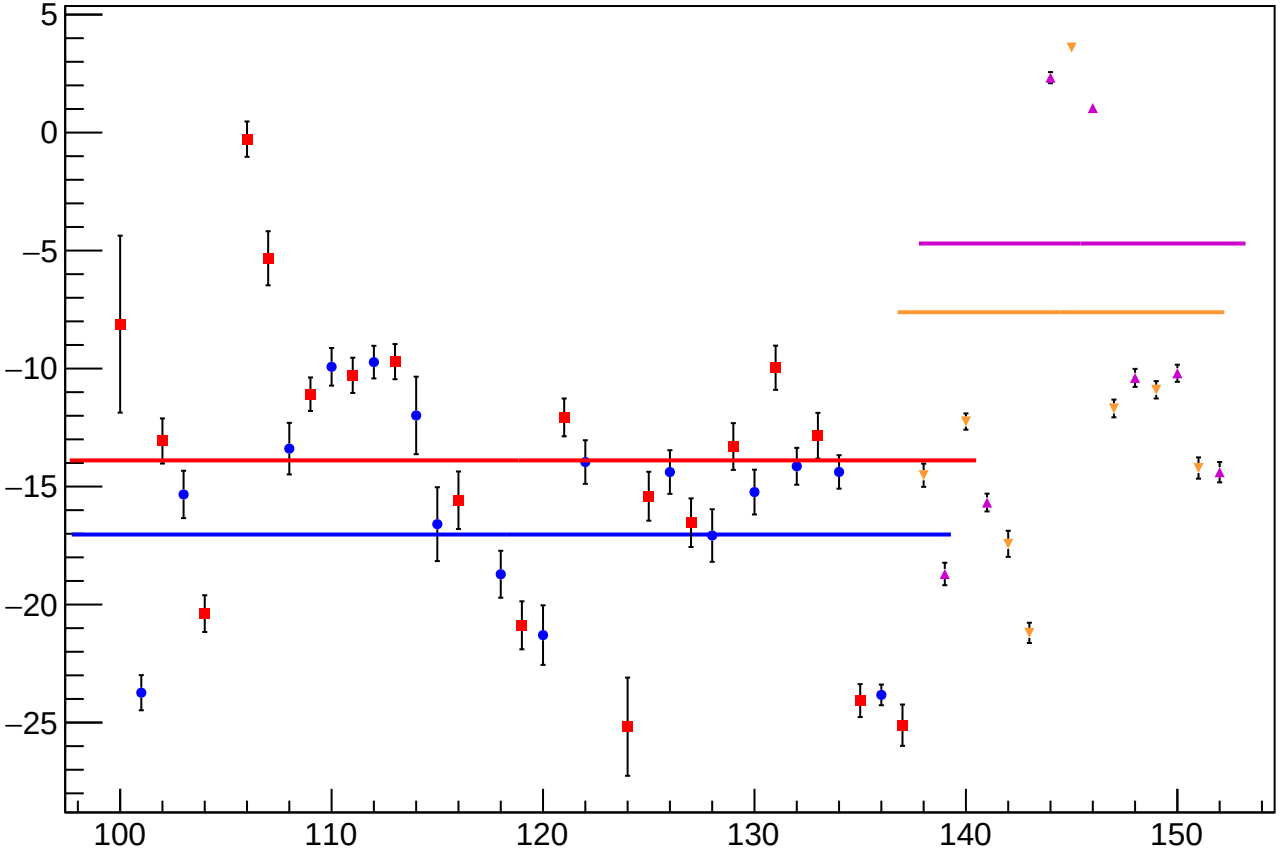
Left In: -7.558+/-0.077 χ^2/NDF:562.8/6

+ sign -6.636+/-0.079 χ^2/NDF: 1070.7/23

All: -7.185+/-0.053 χ^2/NDF: 1925.7/49

- sign -7.633+/-0.071 χ^2/NDF: 767.3/25

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -7.612+/-0.125 χ^2/NDF:5014.7/7

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

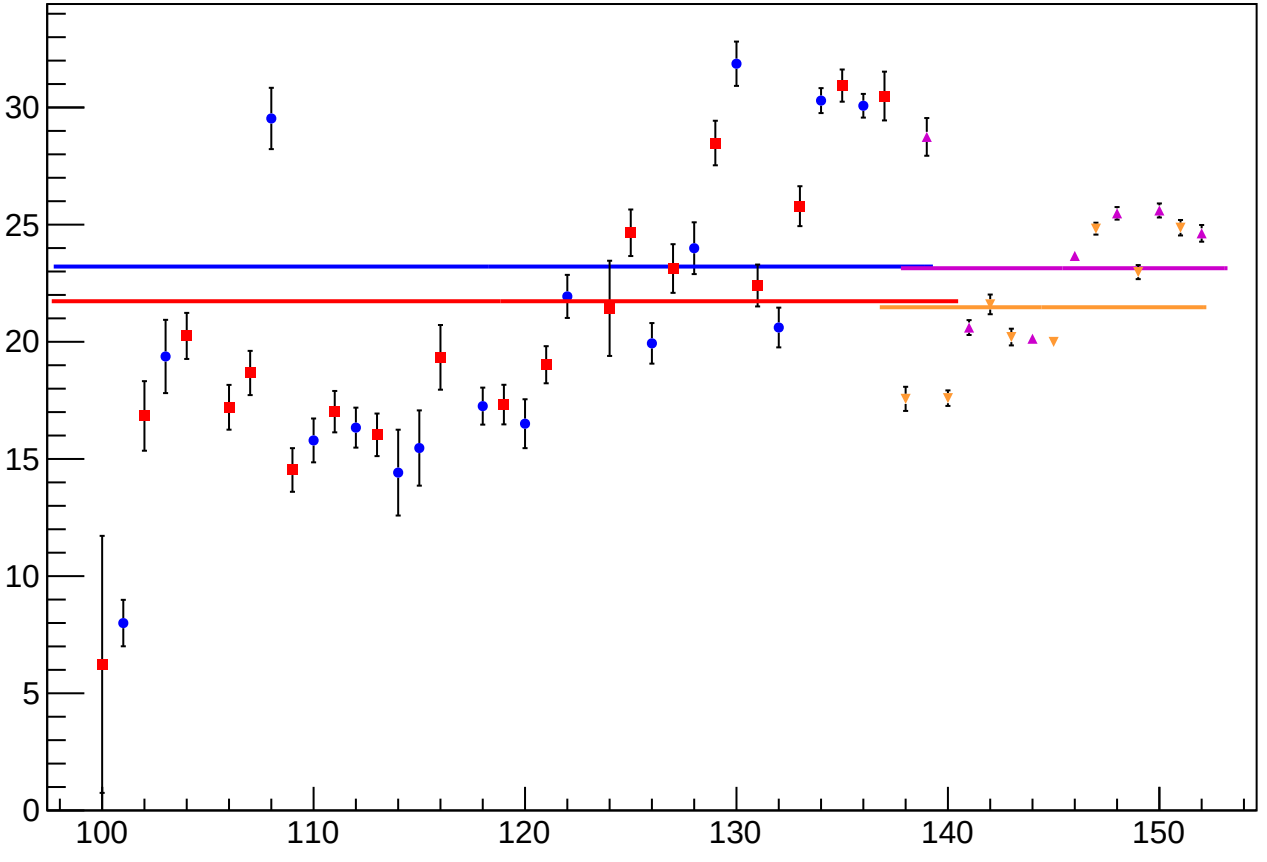
Left In: -4.700+/-0.116 χ^2/NDF:4406.0/6

+ sign -10.094+/-0.107 χ^2/NDF: 7107.0/23

All: -8.374+/-0.074 χ^2/NDF: 14491.0/49

- sign -6.849+/-0.101 χ^2/NDF: 6900.8/25

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.475+/-0.106 χ^2/NDF:571.8/7

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

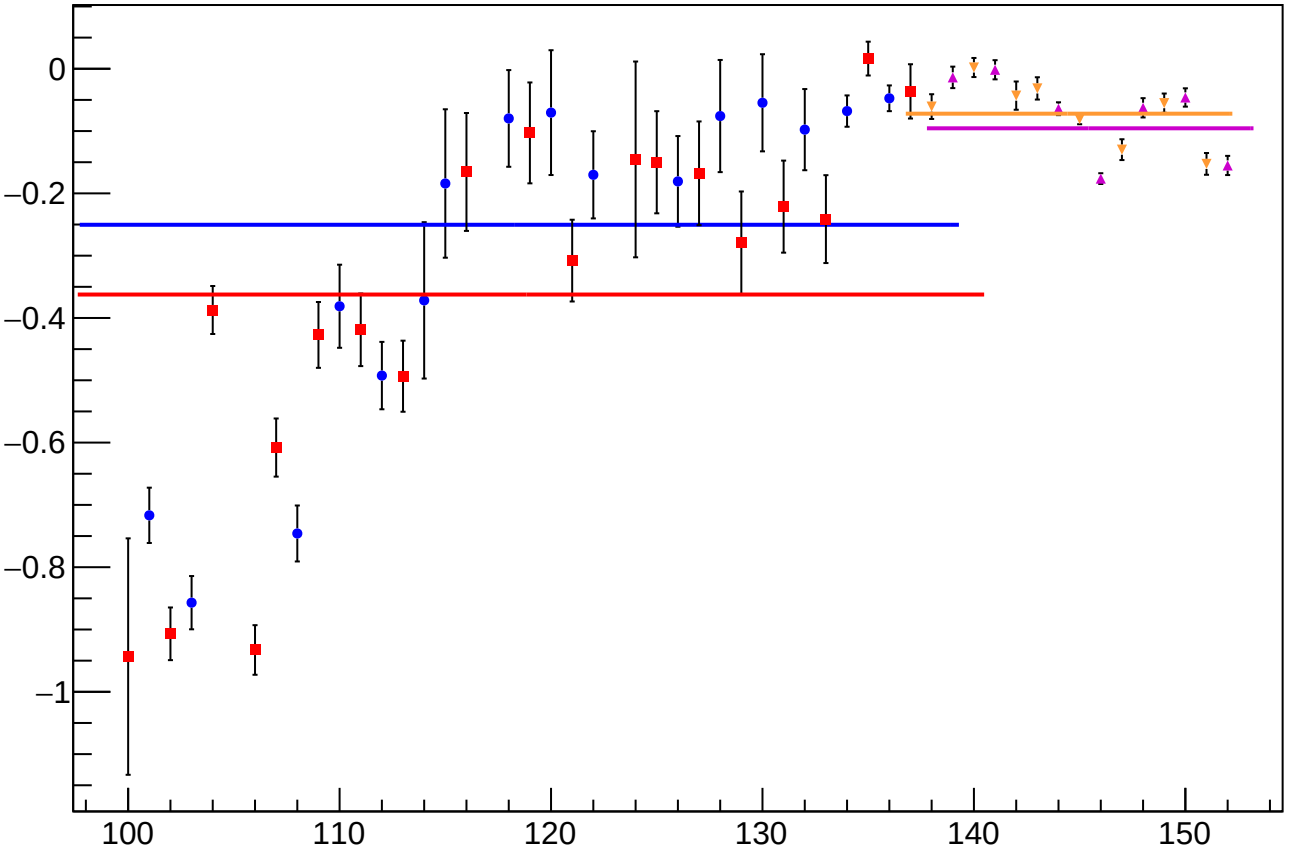
Left In: 23.140+/-0.094 χ^2/NDF:517.9/6

+ sign 21.805+/-0.095 χ^2/NDF: 1631.3/23

All: 22.417+/-0.064 χ^2/NDF: 2816.9/49

- sign 22.928+/-0.087 χ^2/NDF: 1109.6/25

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.072+/-0.005 χ^2/NDF:66.0/7

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

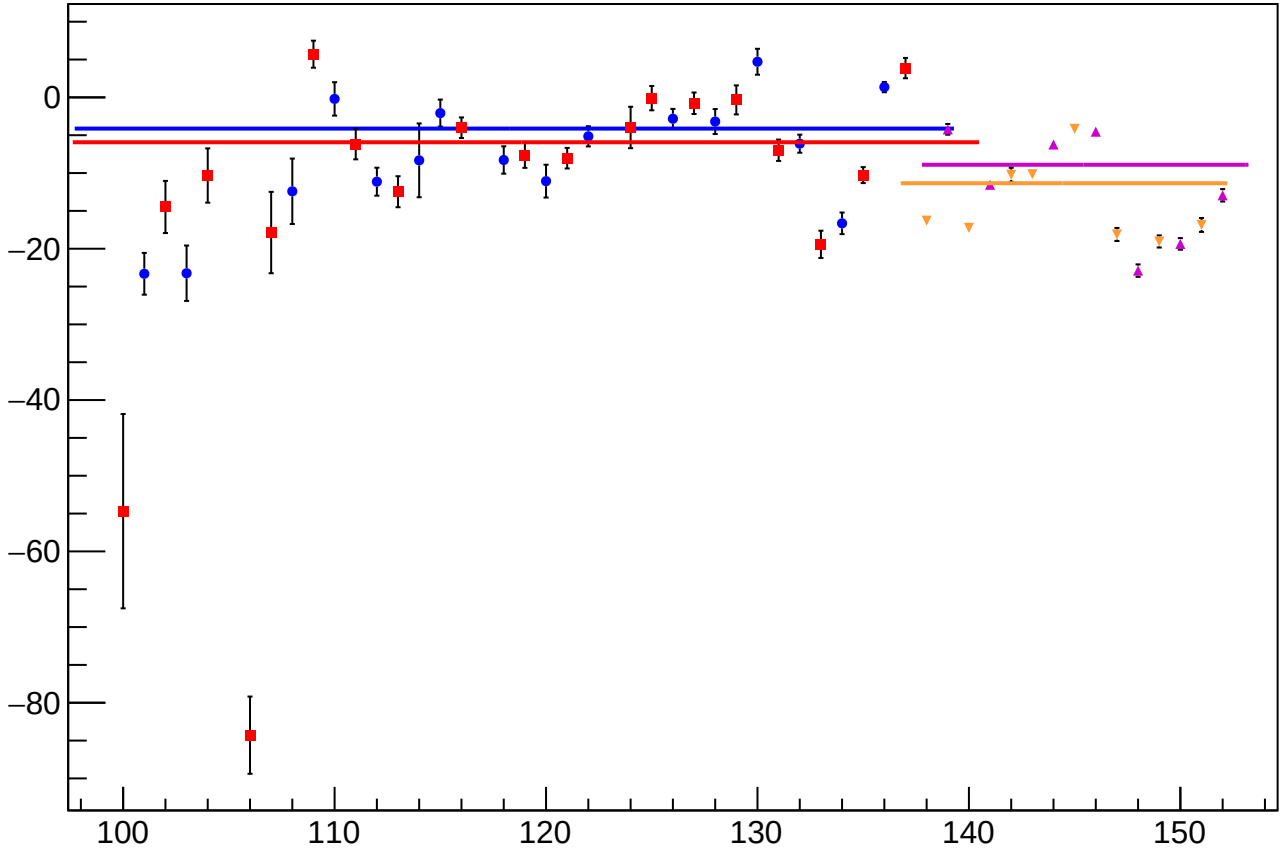
Left In: -0.096+/-0.005 χ^2/NDF:187.3/6

+ sign -0.101+/-0.005 χ^2/NDF: 895.2/23

All: -0.117+/-0.003 χ^2/NDF: 2212.7/49

- sign -0.131+/-0.004 χ^2/NDF: 1297.1/25

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.344+/-0.221 χ^2/NDF:747.8/7

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

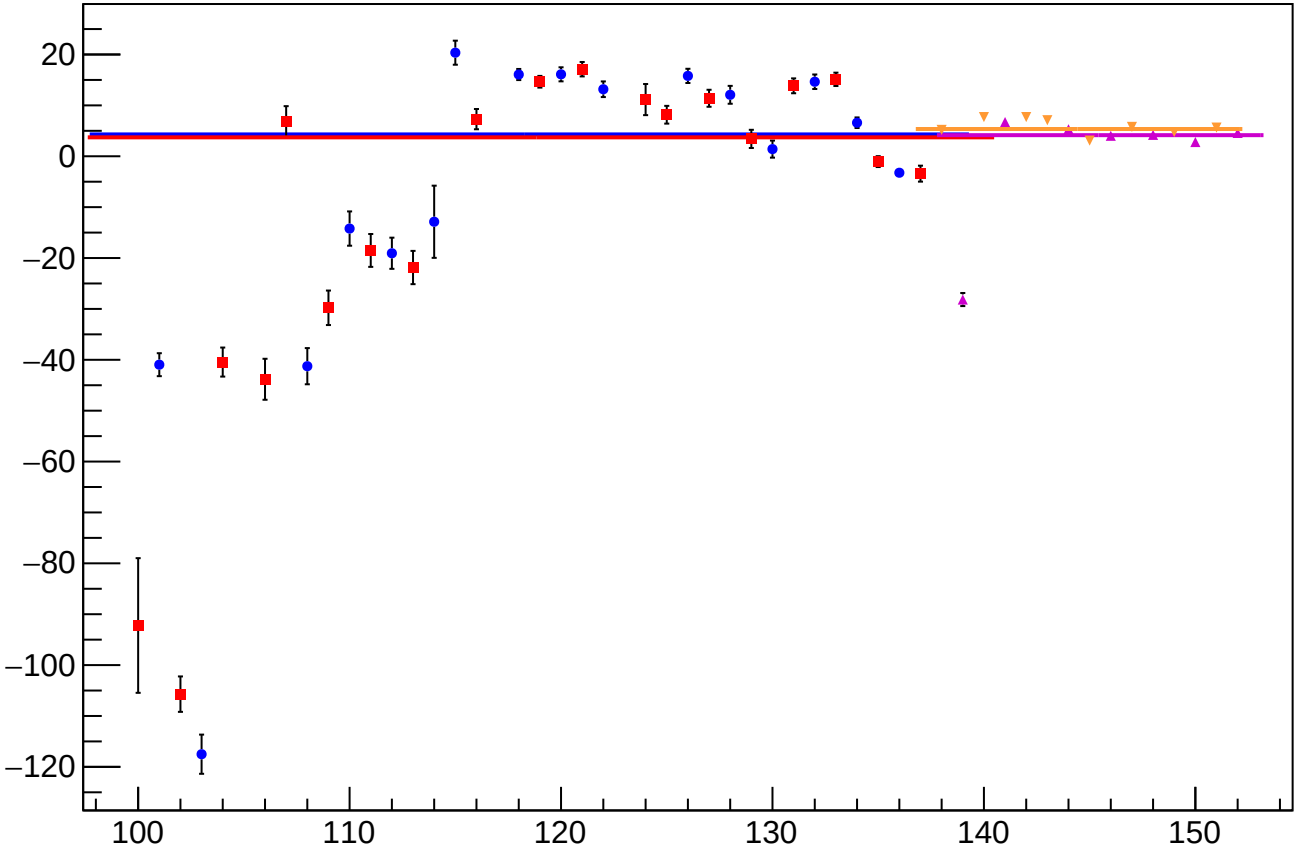
Left In: -8.905+/-0.218 χ^2/NDF:715.4/6

+ sign -9.528+/-0.191 χ^2/NDF: 1303.5/23

All: -8.889+/-0.136 χ^2/NDF: 2565.3/49

- sign -8.242+/-0.193 χ^2/NDF: 1239.4/25

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.358+/-0.158 χ^2/NDF:115.7/7

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

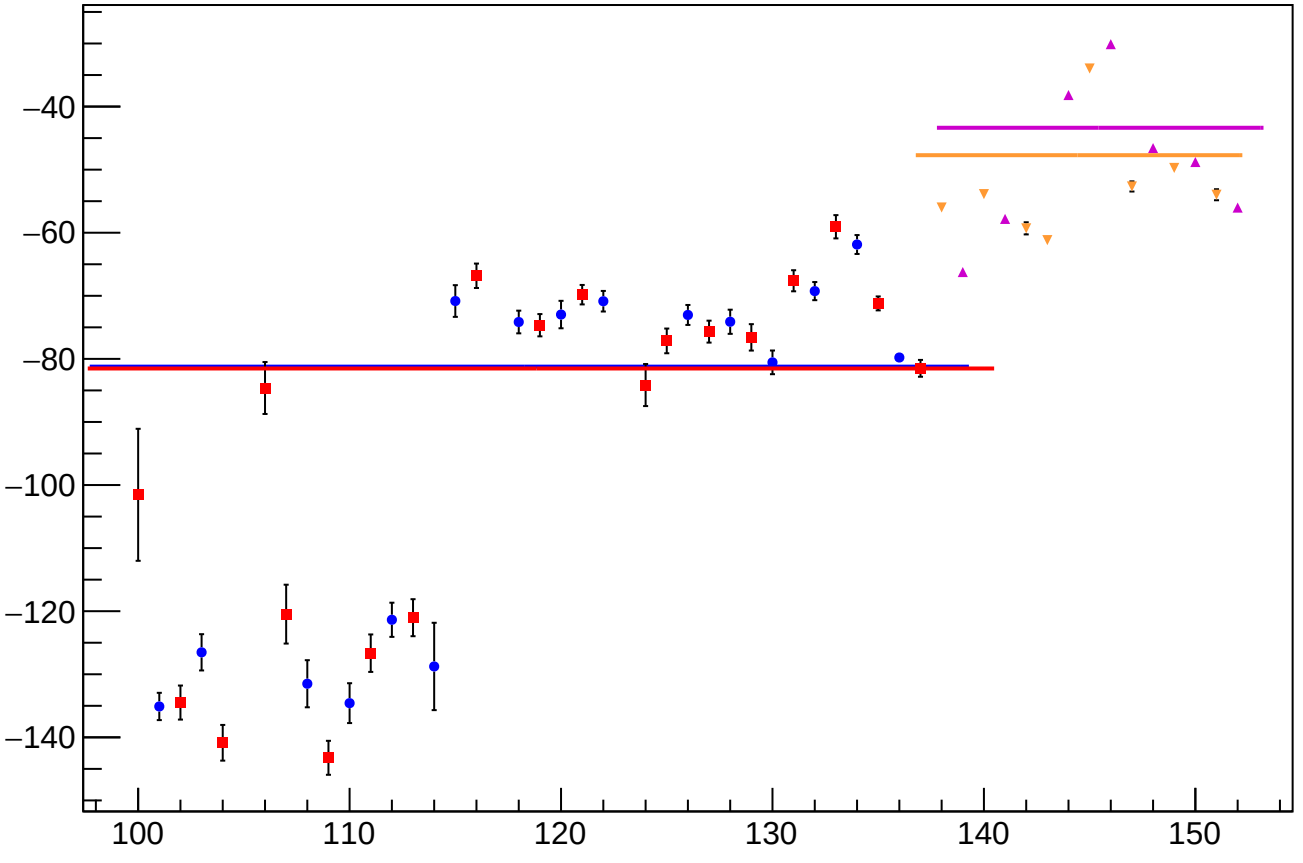
Left In: 4.148+/-0.148 χ^2/NDF:685.5/6

+ sign 5.204+/-0.146 χ^2/NDF: 2291.3/23

All: 4.625+/-0.101 χ^2/NDF: 5014.8/49

- sign 4.101+/-0.139 χ^2/NDF: 2693.7/25

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -47.709+/-0.224 χ^2/NDF:2208.8/7

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

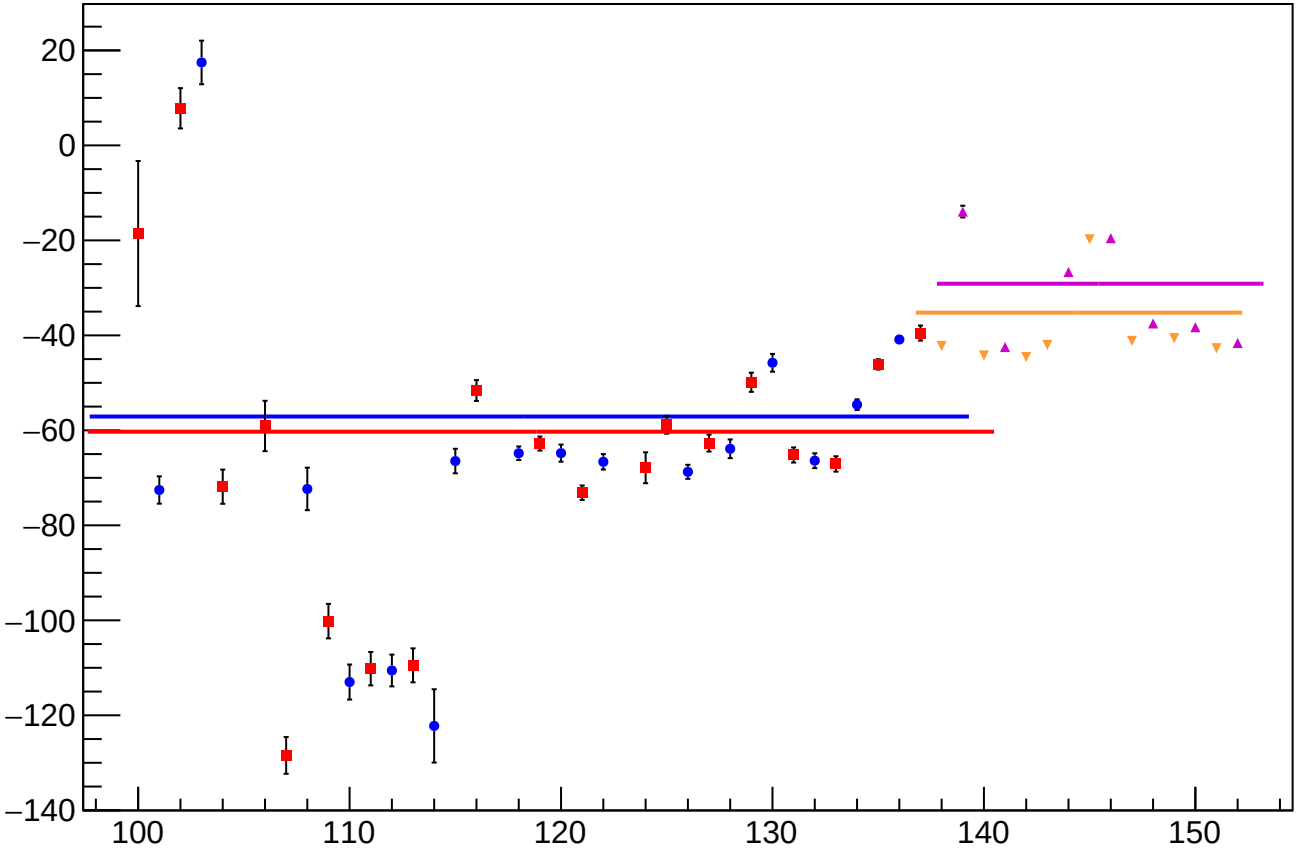
Left In: -43.361+/-0.216 χ^2/NDF:3080.6/6

+ sign -55.214+/-0.197 χ^2/NDF: 9199.5/23

All: -52.704+/-0.139 χ^2/NDF: 20499.8/49

- sign -50.229+/-0.196 χ^2/NDF: 10978.6/25

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -35.214+/-0.192 χ^2/NDF:3058.2/7

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

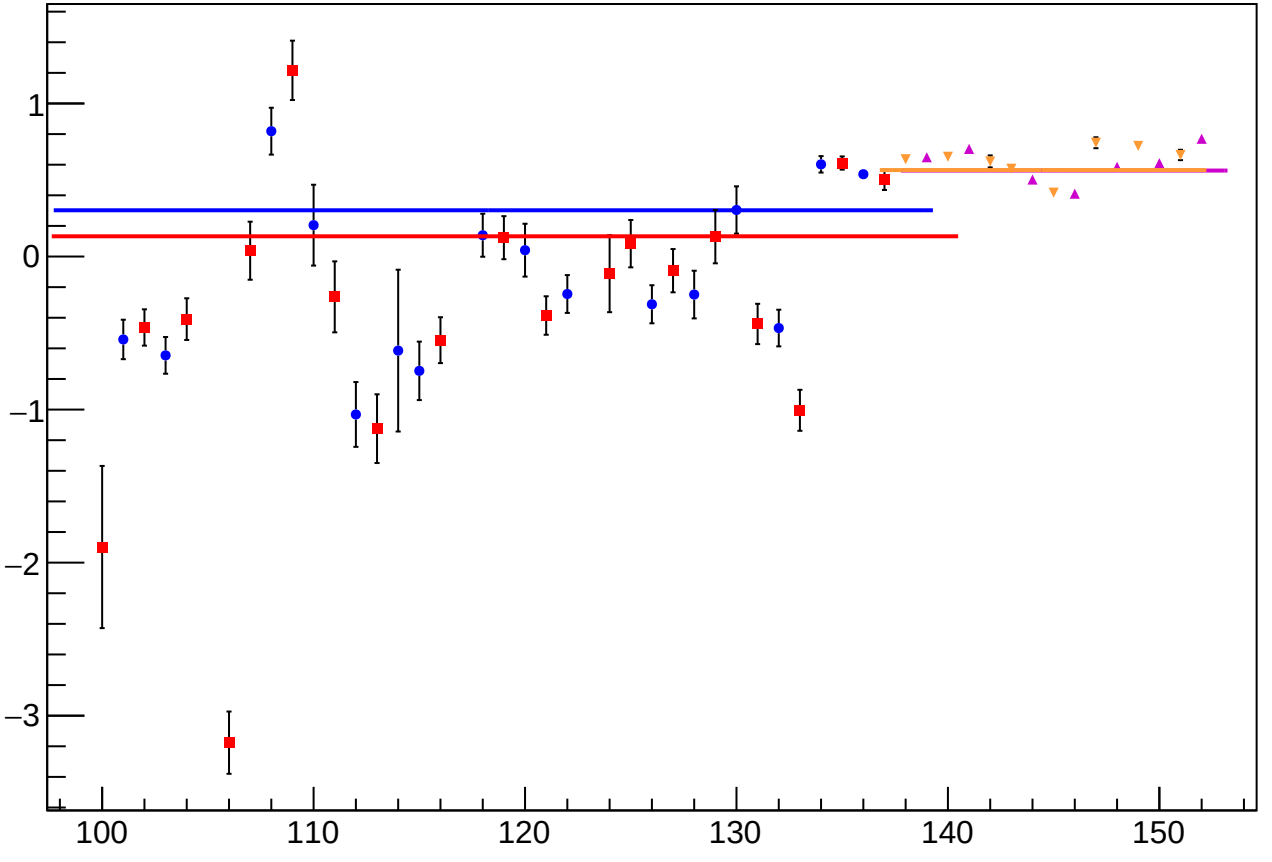
Left In: -29.129+/-0.180 χ^2/NDF:2608.3/6

+ sign -38.904+/-0.175 χ^2/NDF: 6779.8/23

All: -35.900+/-0.121 χ^2/NDF: 15376.1/49

- sign -33.119+/-0.168 χ^2/NDF: 8027.9/25

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.565+/-0.009 χ^2/NDF:175.4/7

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

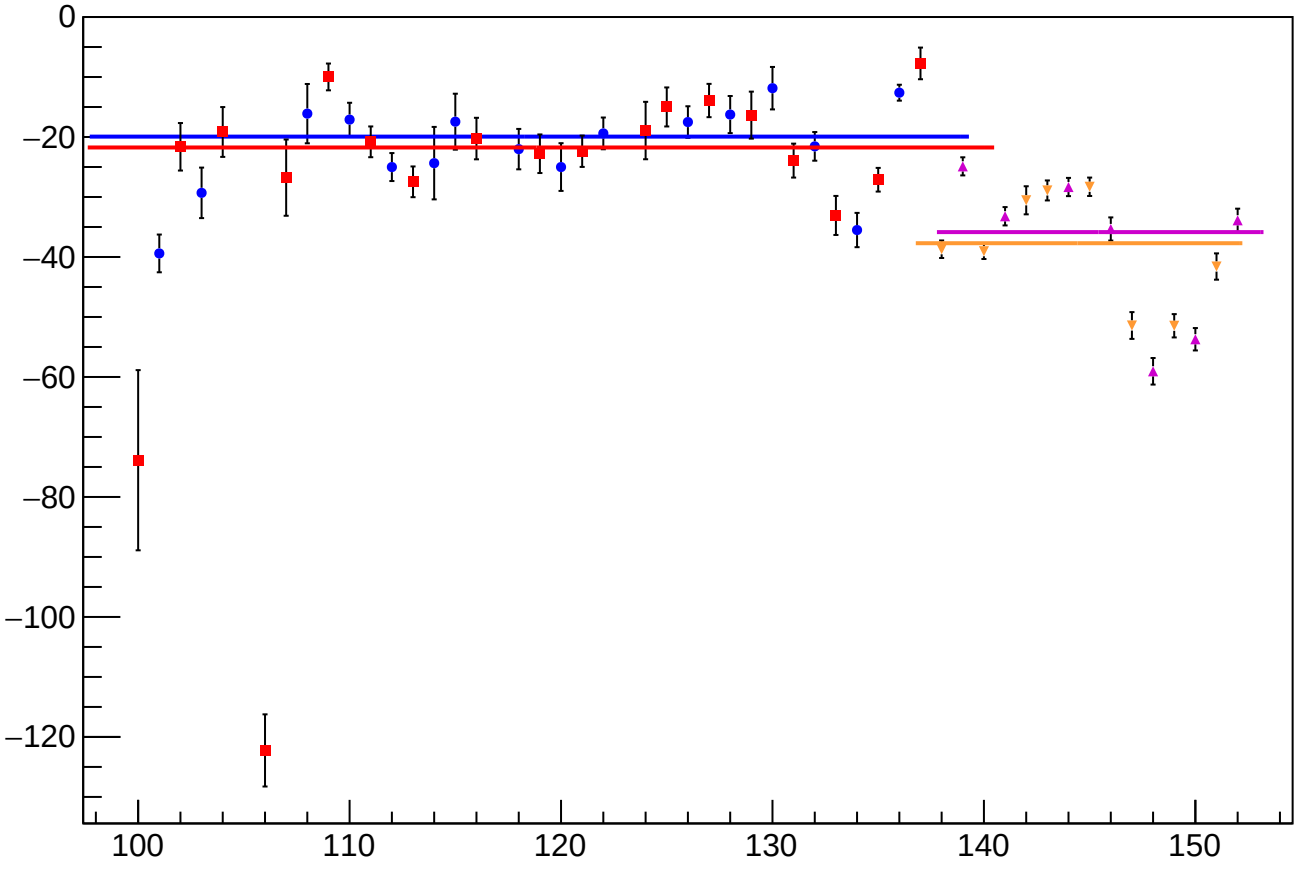
Left In: 0.562+/-0.009 χ^2/NDF:185.5/6

\+ sign 0.528+/-0.009 χ^2/NDF: 663.0/23

All: 0.523+/-0.006 χ^2/NDF: 1757.6/49

\- sign 0.518+/-0.008 χ^2/NDF: 1093.9/25

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -37.704+/-0.608 χ^2/NDF:167.4/7

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

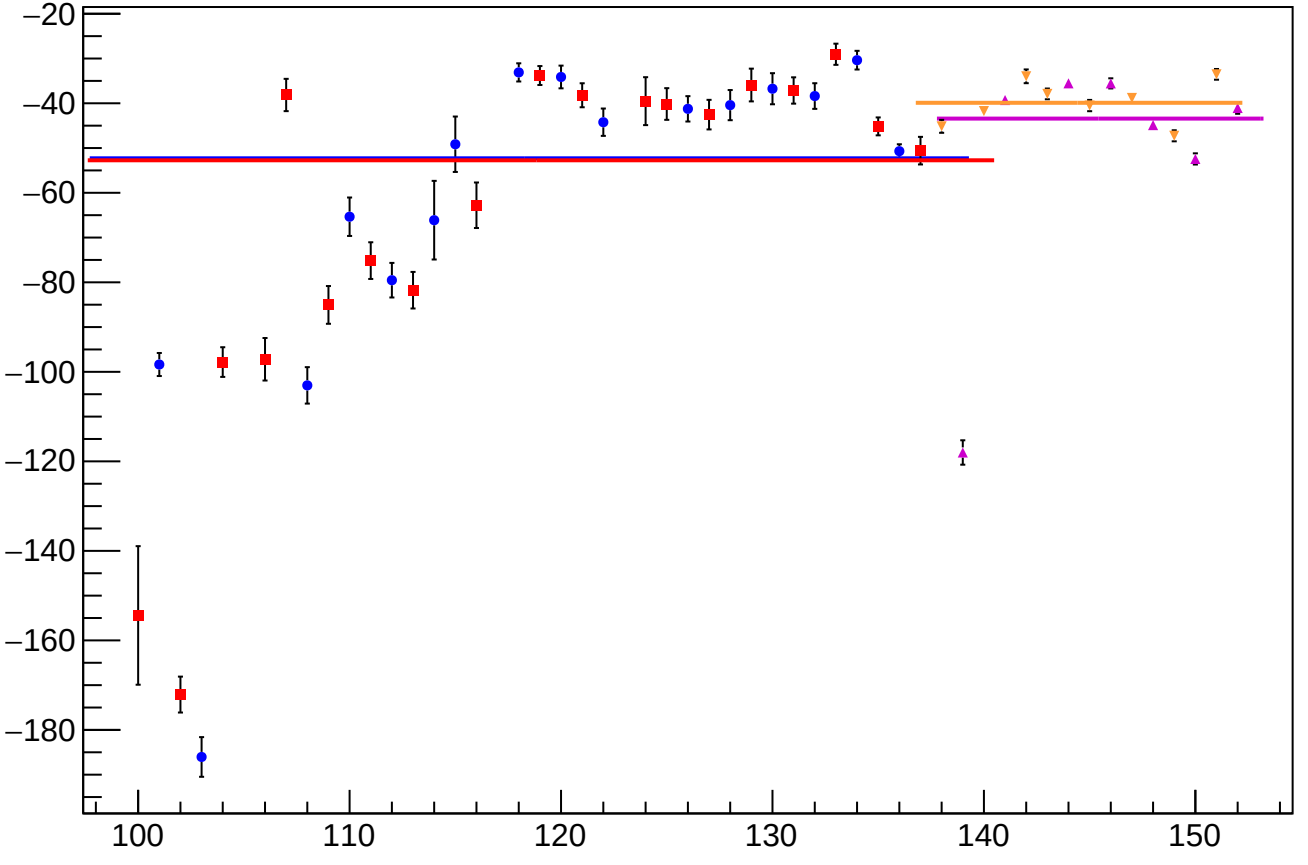
Left In: -35.851+/-0.656 χ^2/NDF:282.6/6

+ sign -30.000+/-0.457 χ^2/NDF: 658.5/23

All: -29.714+/-0.332 χ^2/NDF: 1542.2/49

- sign -29.396+/-0.483 χ^2/NDF: 882.8/25

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -39.891+/-0.431 χ^2/NDF:98.8/7

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

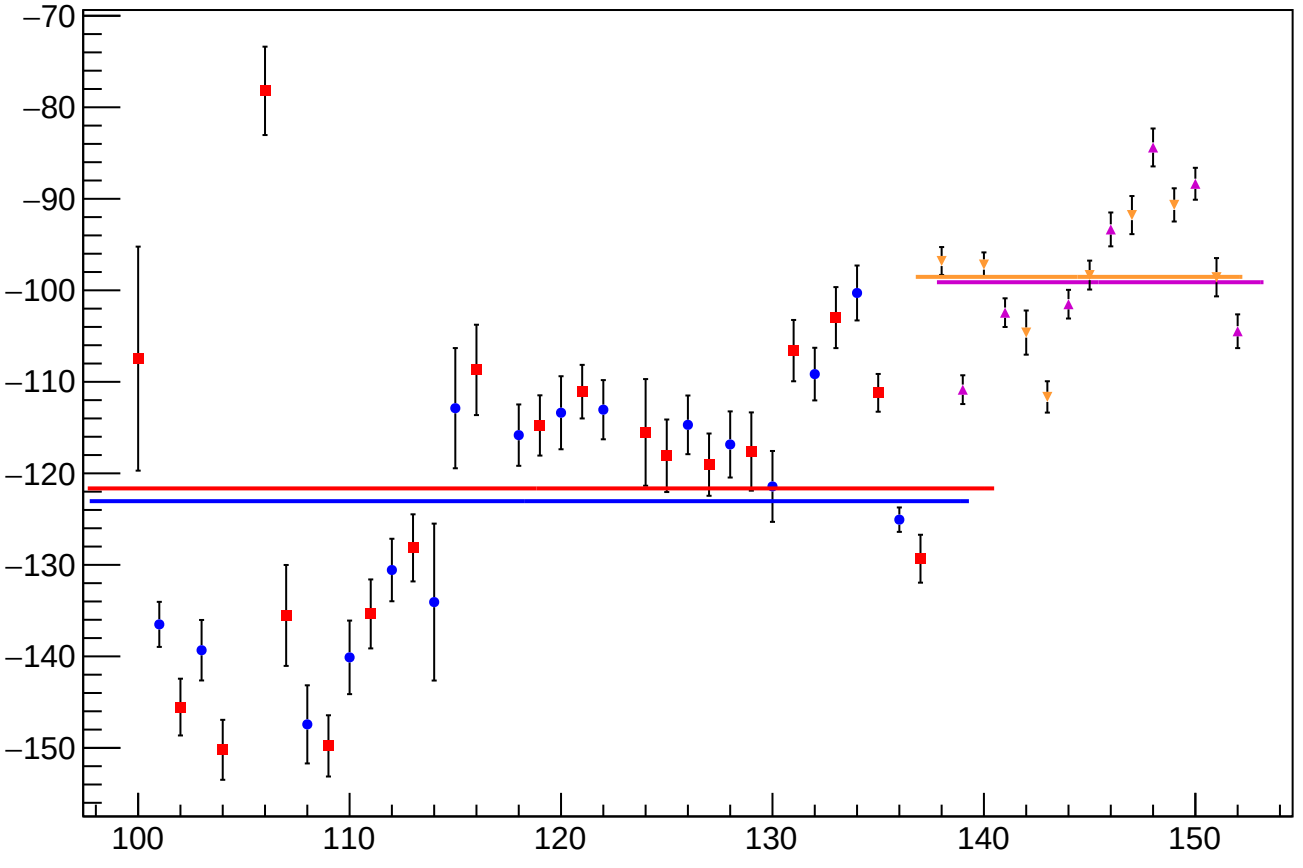
Left In: -43.422+/-0.464 χ^2/NDF:916.9/6

+ sign -43.250+/-0.368 χ^2/NDF: 2100.8/23

All: -44.536+/-0.269 χ^2/NDF: 4818.3/49

- sign -46.011+/-0.394 χ^2/NDF: 2691.4/25

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -98.529+/-0.612 χ^2/NDF:96.6/7

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

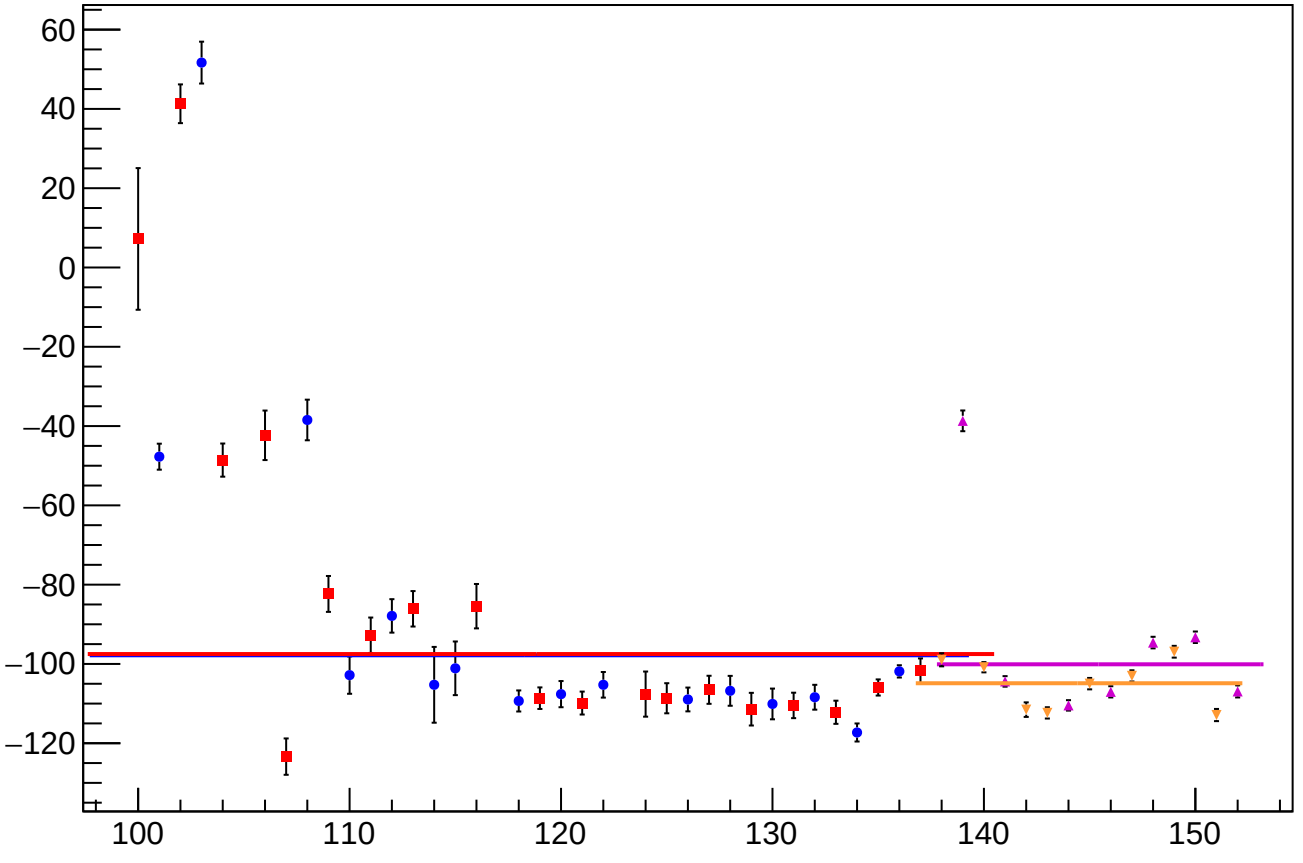
Left In: -99.115+/-0.650 χ^2/NDF:169.3/6

+ sign -108.327+/-0.474 χ^2/NDF: 964.5/23

All: -108.201+/-0.346 χ^2/NDF: 2035.4/49

- sign -108.058+/-0.505 χ^2/NDF: 1070.7/25

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -104.869+/-0.526 χ^2/NDF:120.7/7

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

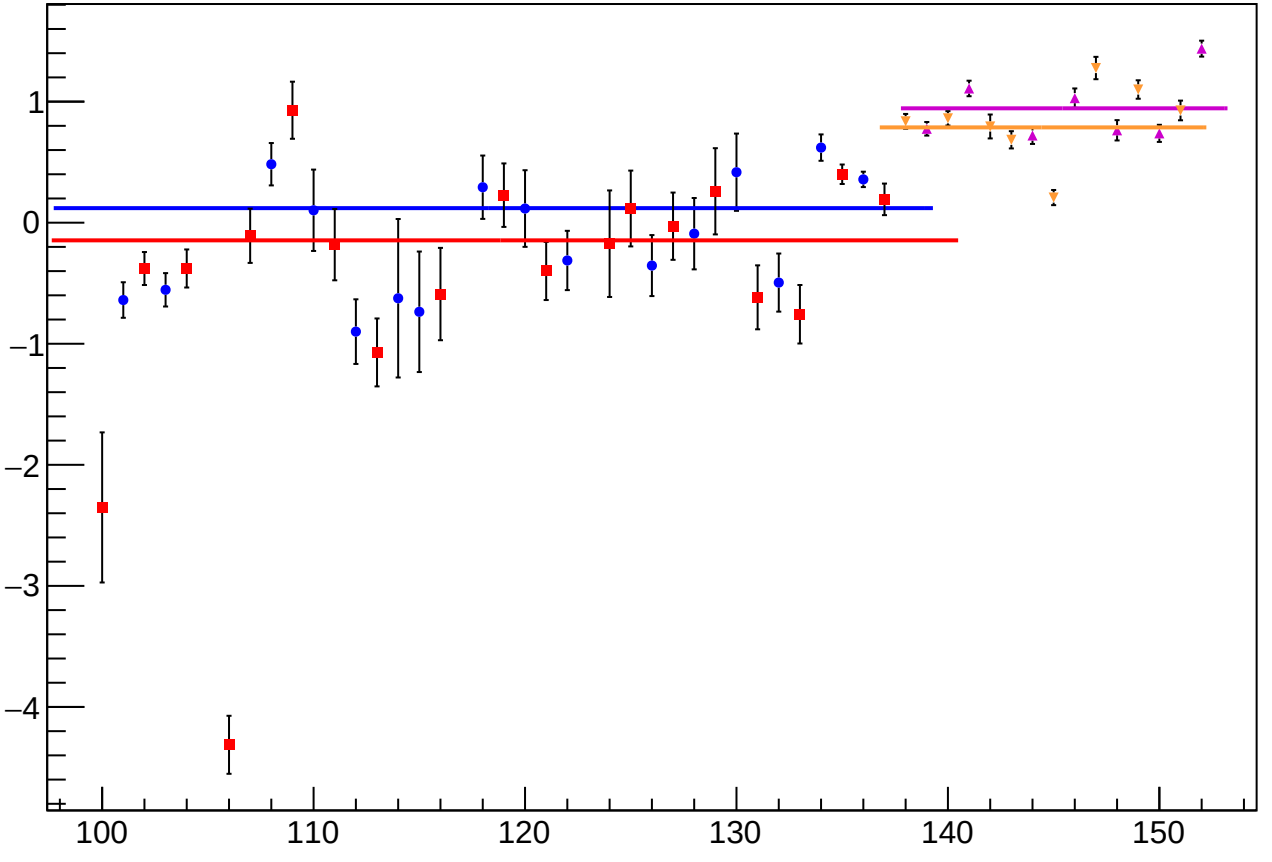
Left In: -100.090+/-0.563 χ^2/NDF:704.1/6

+ sign -102.711+/-0.439 χ^2/NDF: 1506.4/23

All: -101.112+/-0.320 χ^2/NDF: 3481.9/49

- sign -99.293+/-0.468 χ^2/NDF: 1947.1/25

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.787+/-0.025 χ^2/NDF:138.1/7

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

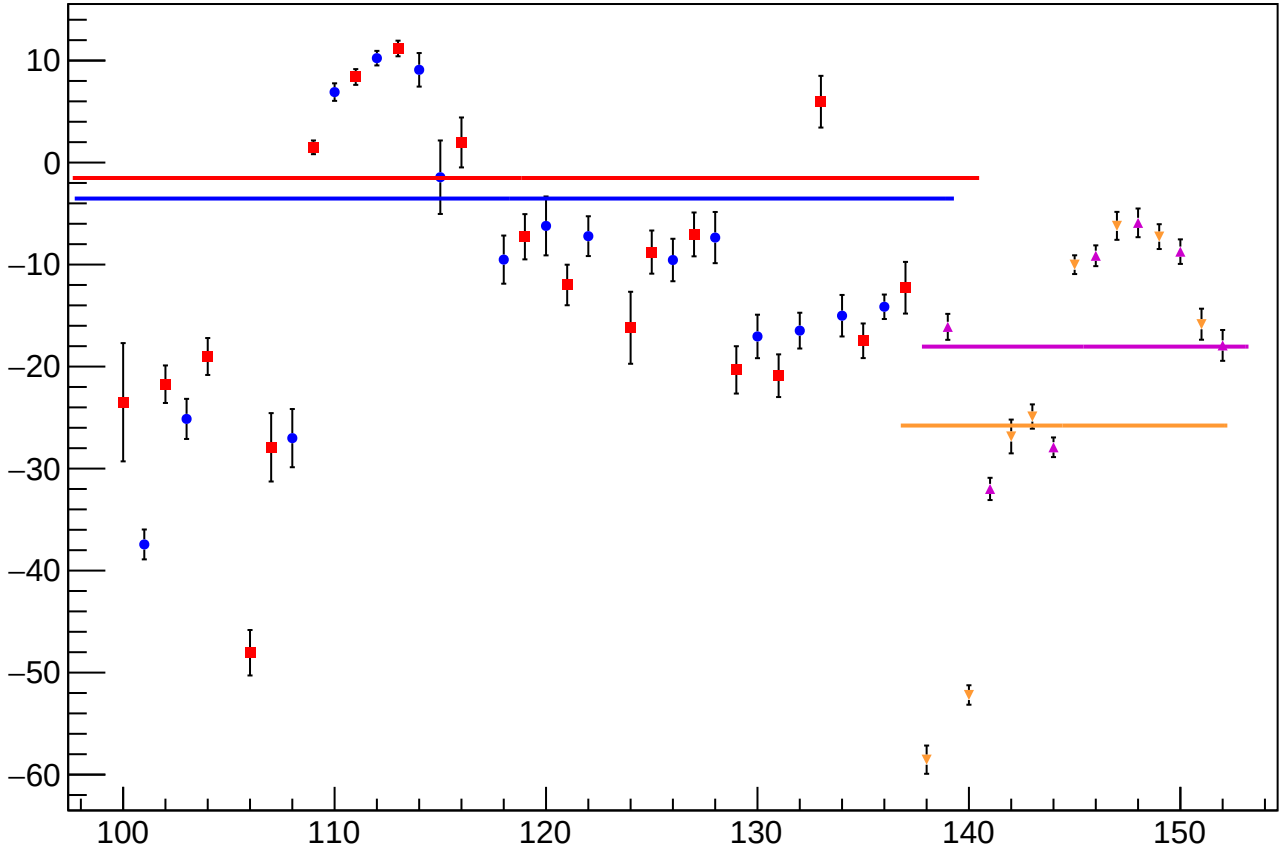
Left In: 0.945+/-0.026 χ^2/NDF:96.4/6

+ sign 0.604+/-0.022 χ^2/NDF: 451.8/23

All: 0.637+/-0.016 χ^2/NDF: 1417.3/49

- sign 0.673+/-0.022 χ^2/NDF: 960.6/25

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -25.781+/-0.426 χ^2/NDF:2101.0/7

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

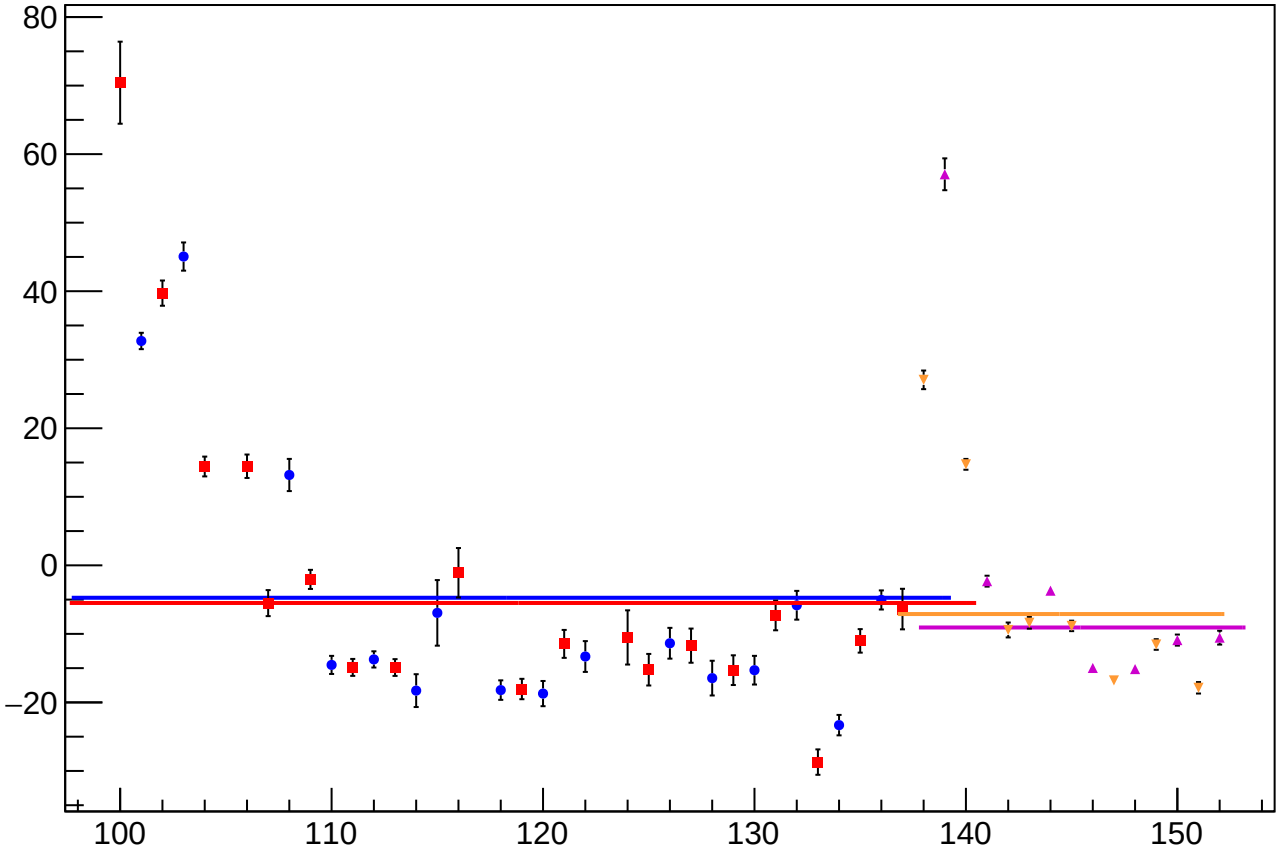
Left In: -18.043+/-0.441 χ^2/NDF:481.7/6

+ sign -13.299+/-0.282 χ^2/NDF: 5162.0/23

All: -10.327+/-0.195 χ^2/NDF: 8263.1/49

- sign -7.633+/-0.269 χ^2/NDF: 2889.5/25

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.105+/-0.293 χ^2/NDF:1840.1/7

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

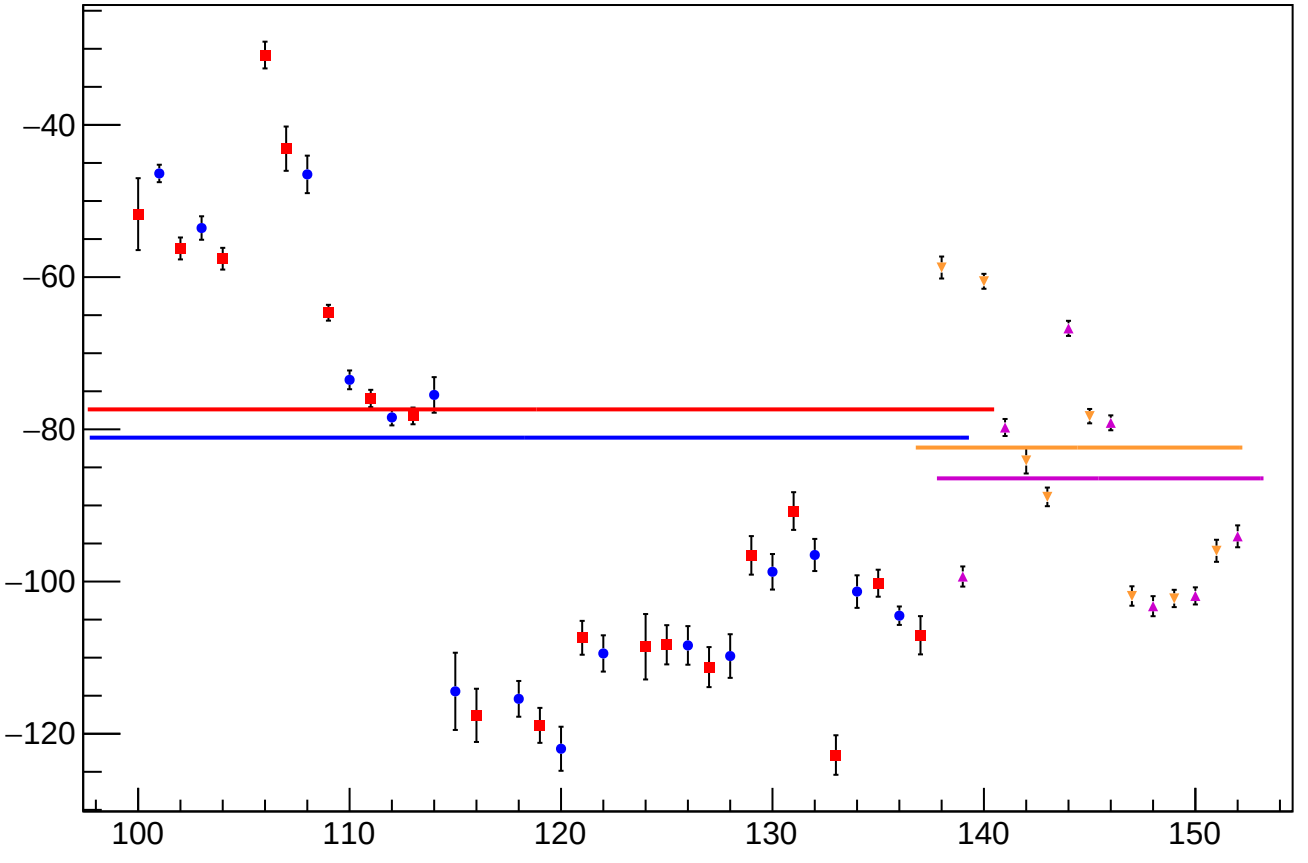
Left In: -9.068+/-0.300 χ^2/NDF:1121.0/6

\+ sign -6.353+/-0.242 χ^2/NDF: 4008.8/23

All: -7.106+/-0.172 χ^2/NDF: 6705.6/49

\- sign -7.870+/-0.244 χ^2/NDF: 2677.3/25

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -82.394+/-0.426 χ^2/NDF:1437.6/7

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

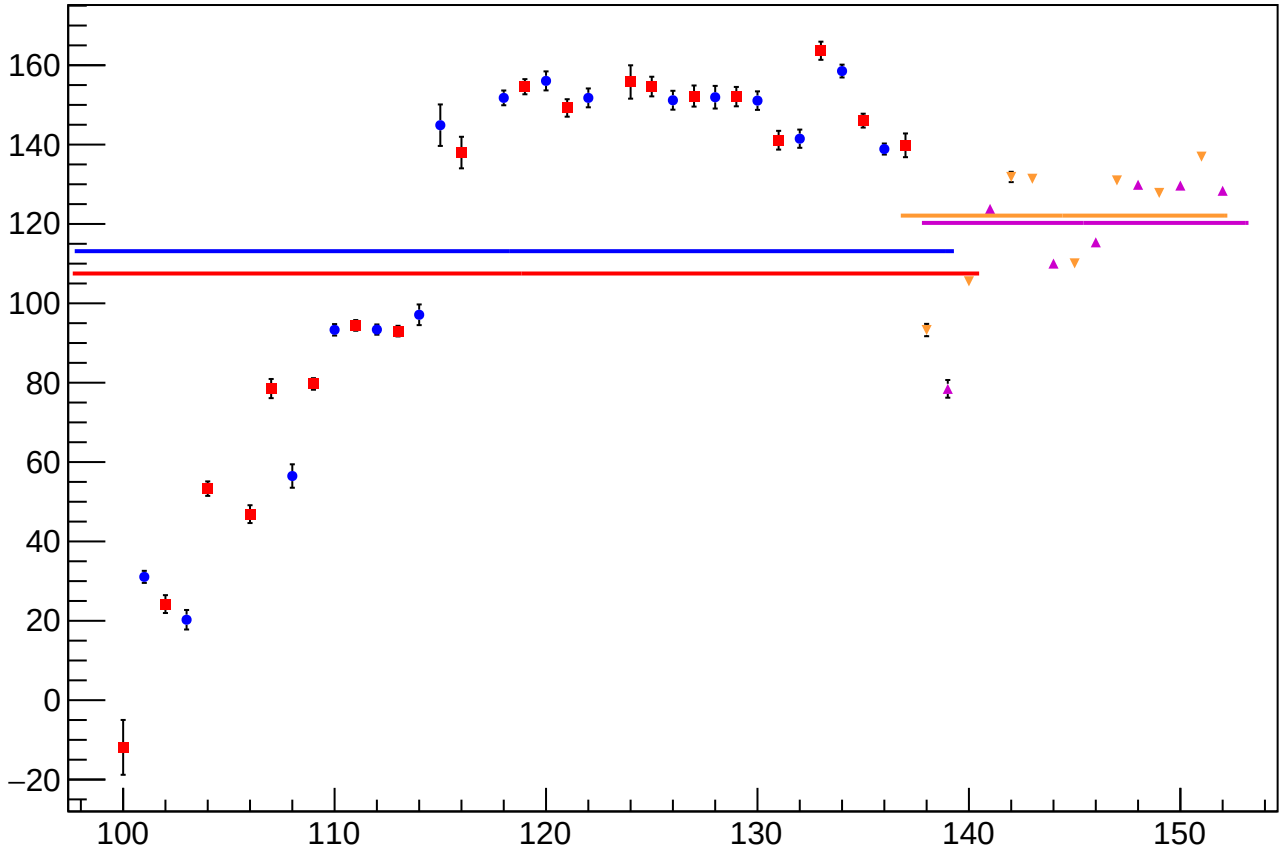
Left In: -86.443+/-0.435 χ^2/NDF:958.9/6

+ sign -81.762+/-0.305 χ^2/NDF: 4312.4/23

All: -81.737+/-0.214 χ^2/NDF: 8627.1/49

- sign -81.713+/-0.301 χ^2/NDF: 4314.6/25

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 122.104+/-0.359 χ^2/NDF:1311.5/7

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

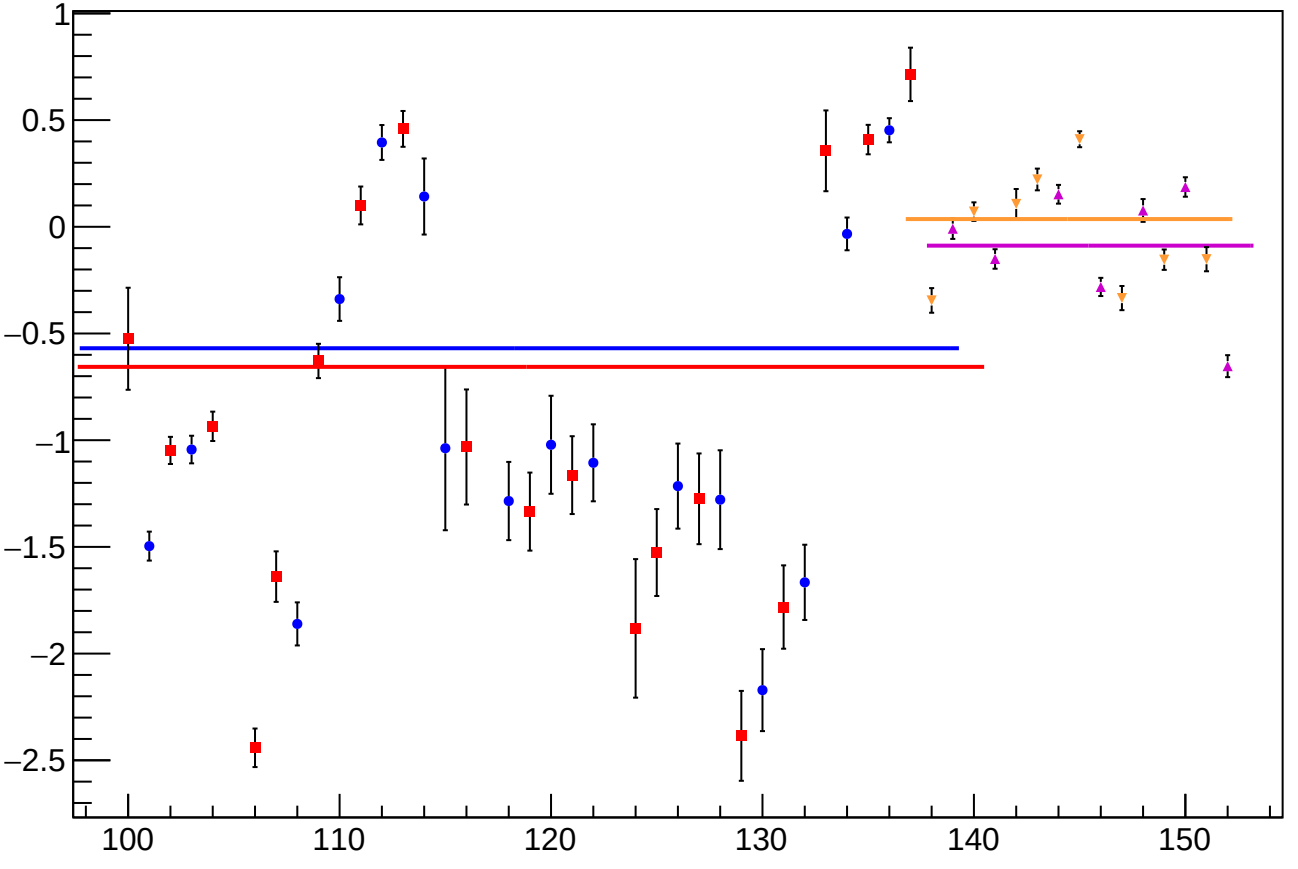
Left In: 120.265+/-0.365 χ^2/NDF:811.9/6

+ sign 118.963+/-0.290 χ^2/NDF: 9733.7/23

All: 117.277+/-0.205 χ^2/NDF: 18605.0/49

- sign 115.578+/-0.291 χ^2/NDF: 8803.3/25

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: 0.036+/-0.018 χ^2/NDF:228.4/7

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

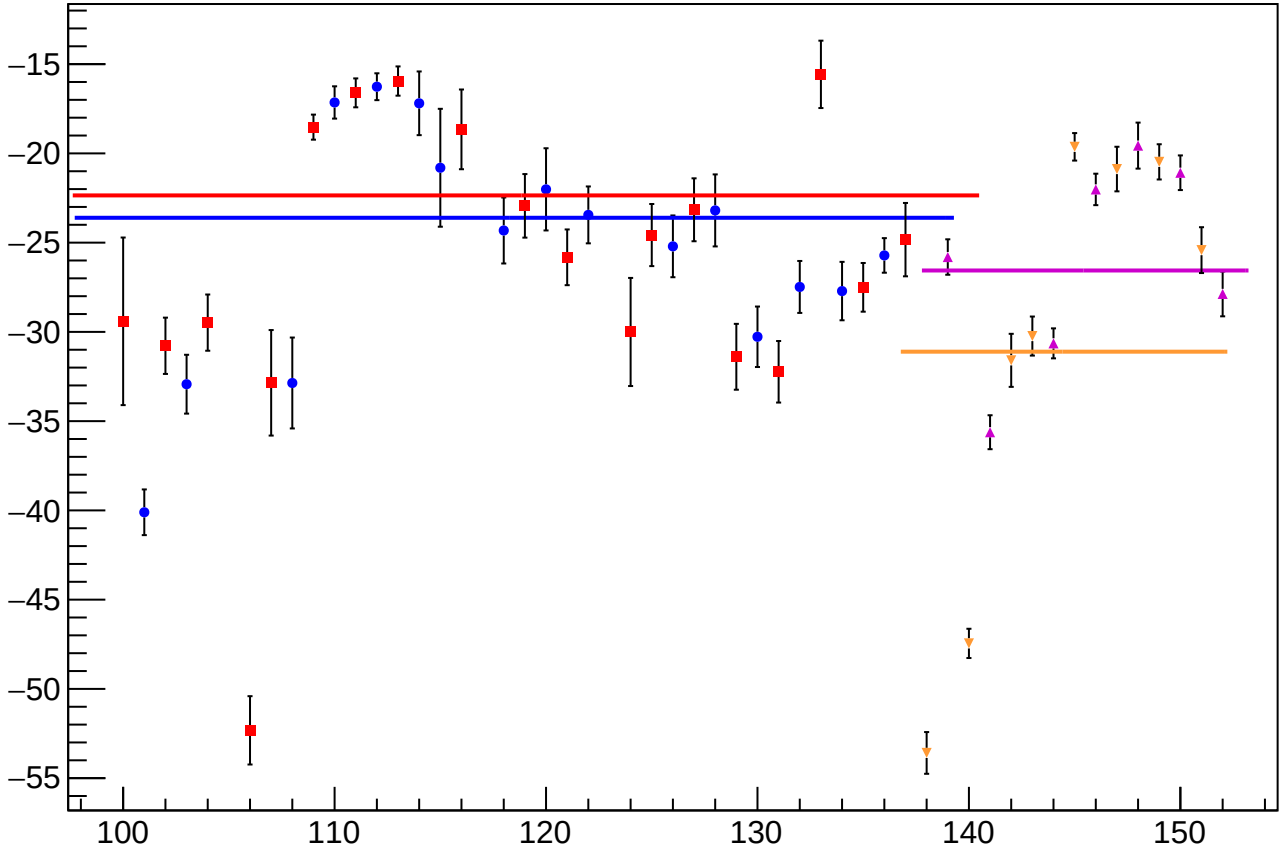
Left In: -0.088+/-0.018 χ^2/NDF:221.5/6

+ sign -0.157+/-0.015 χ^2/NDF: 1700.4/23

All: -0.217+/-0.010 χ^2/NDF: 3610.5/49

- sign -0.276+/-0.014 χ^2/NDF: 1876.8/25

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -31.108+/-0.366 χ^2/NDF:1193.0/7

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

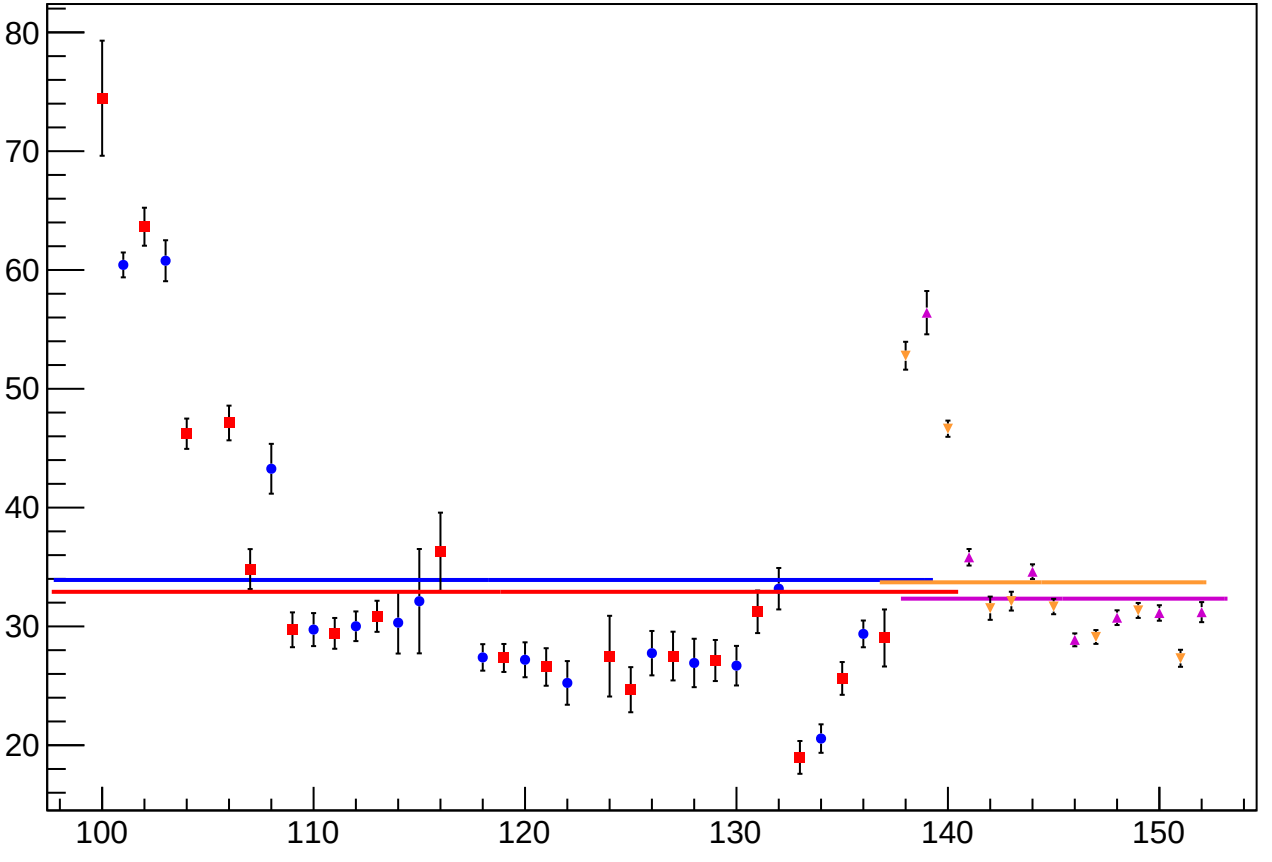
Left In: -26.560+/-0.375 χ^2/NDF:203.9/6

+ sign -27.173+/-0.252 χ^2/NDF: 1819.9/23

All: -25.606+/-0.175 χ^2/NDF: 2722.8/49

- sign -24.139+/-0.244 χ^2/NDF: 828.2/25

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.711+/-0.256 χ^2/NDF:798.4/7

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

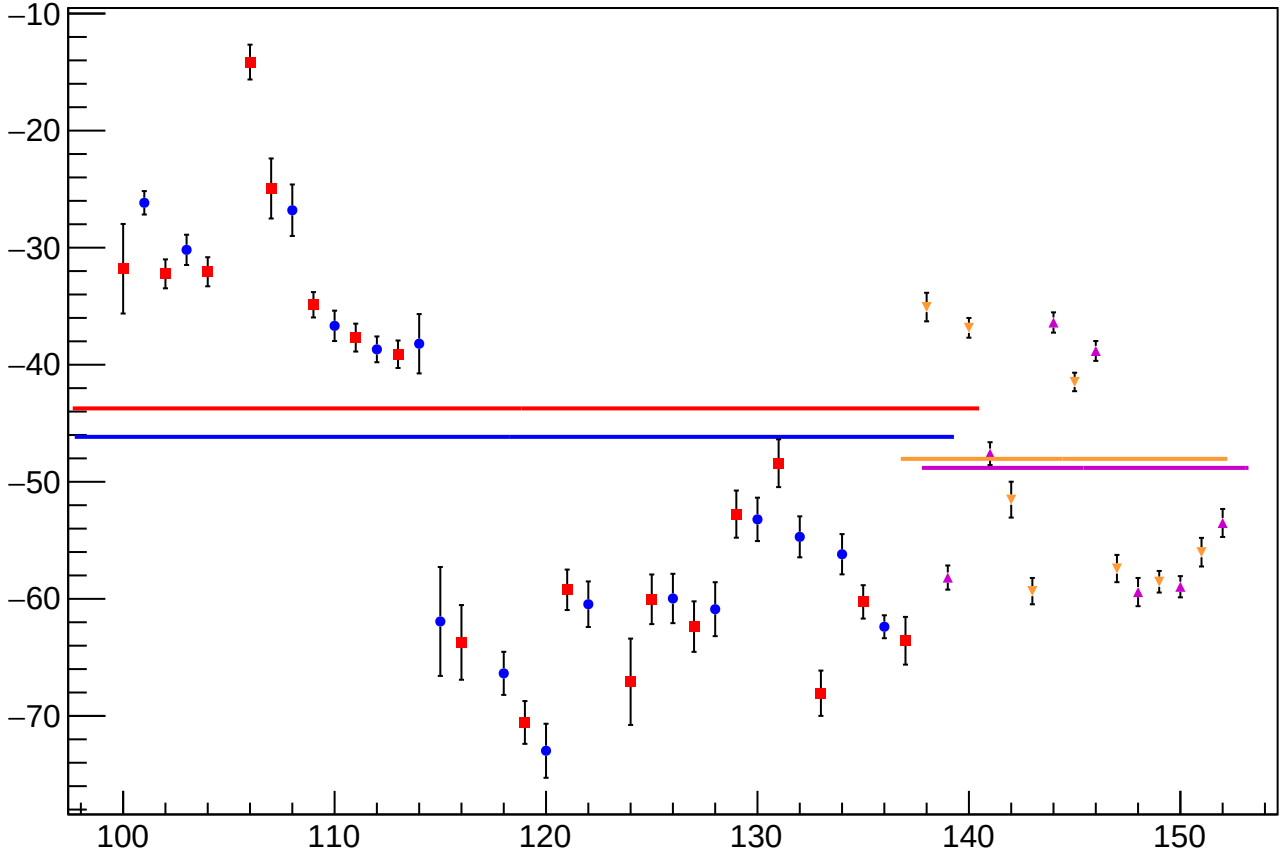
Left In: 32.336+/-0.261 χ^2/NDF:265.4/6

+ sign 33.774+/-0.211 χ^2/NDF: 1983.1/23

All: 33.157+/-0.150 χ^2/NDF: 3142.2/49

- sign 32.525+/-0.214 χ^2/NDF: 1141.9/25

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -48.040+/-0.366 χ^2/NDF:701.5/7

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

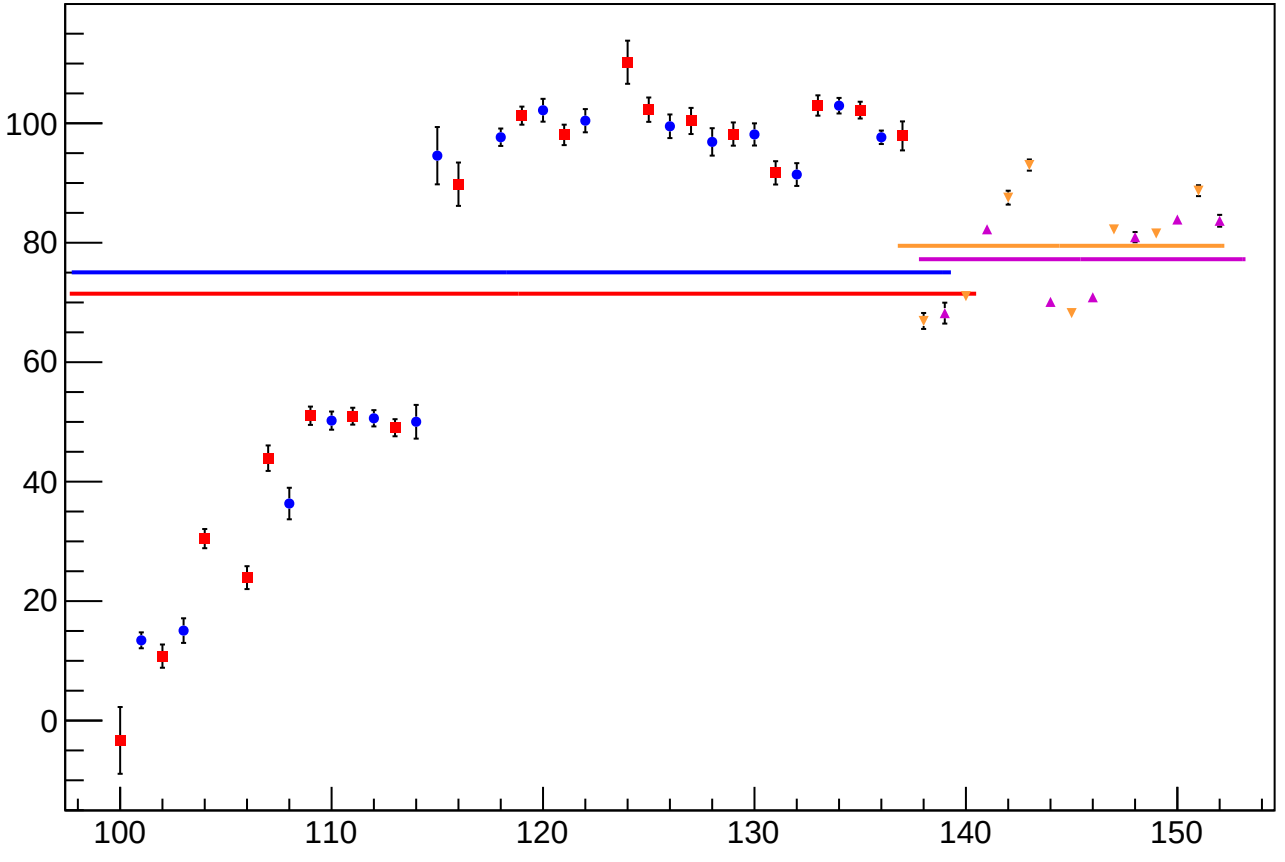
Left In: -48.813+/-0.370 χ^2/NDF:646.3/6

+ sign -47.161+/-0.267 χ^2/NDF: 2203.5/23

All: -46.742+/-0.188 χ^2/NDF: 4610.3/49

- sign -46.330+/-0.264 χ^2/NDF: 2402.0/25

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.488+/-0.311 χ^2/NDF:806.9/7

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

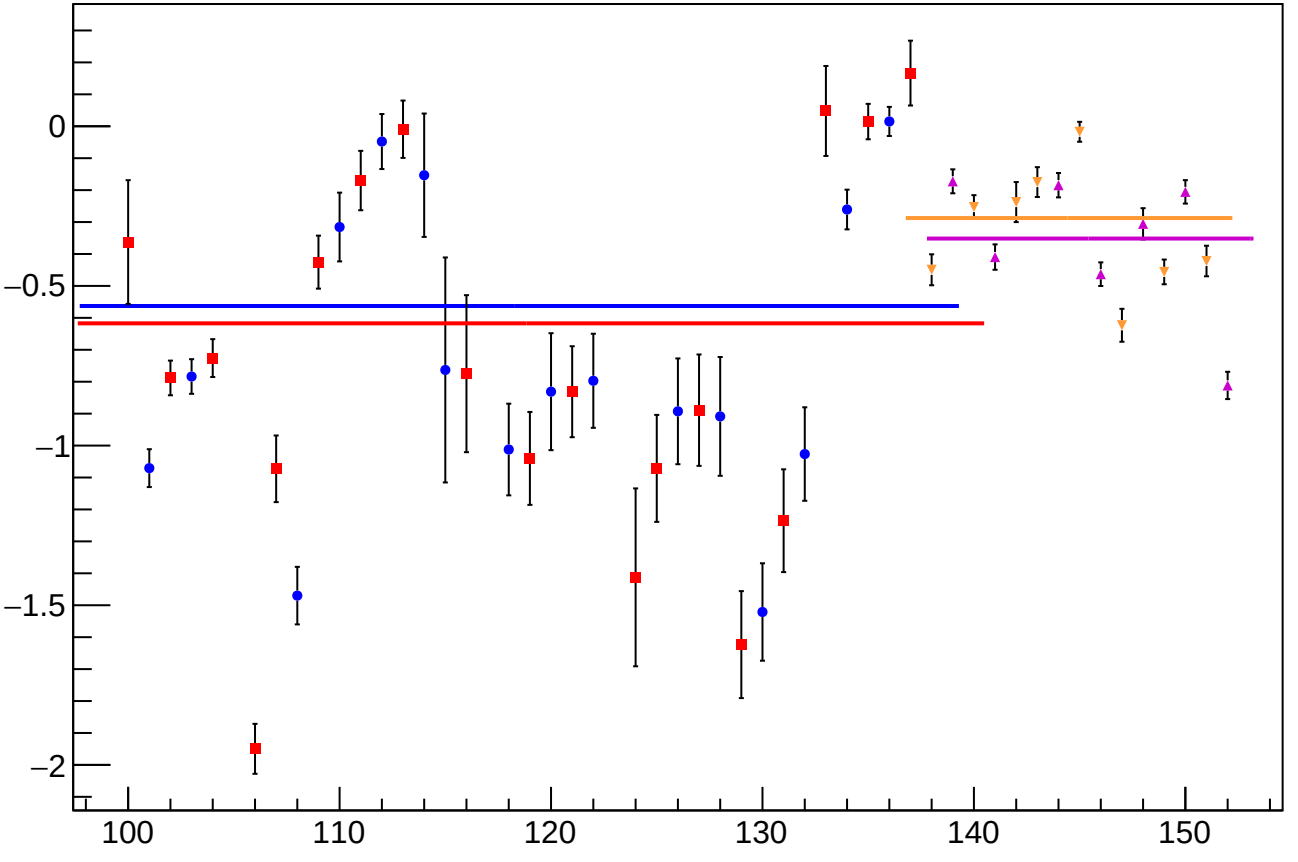
Left In: 77.241+/-0.315 χ^2/NDF:388.5/6

+ sign 77.946+/-0.252 χ^2/NDF: 6705.8/23

All: 76.579+/-0.179 χ^2/NDF: 12900.6/49

- sign 75.194+/-0.253 χ^2/NDF: 6135.4/25

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.287+/-0.015 χ^2/NDF:162.8/7

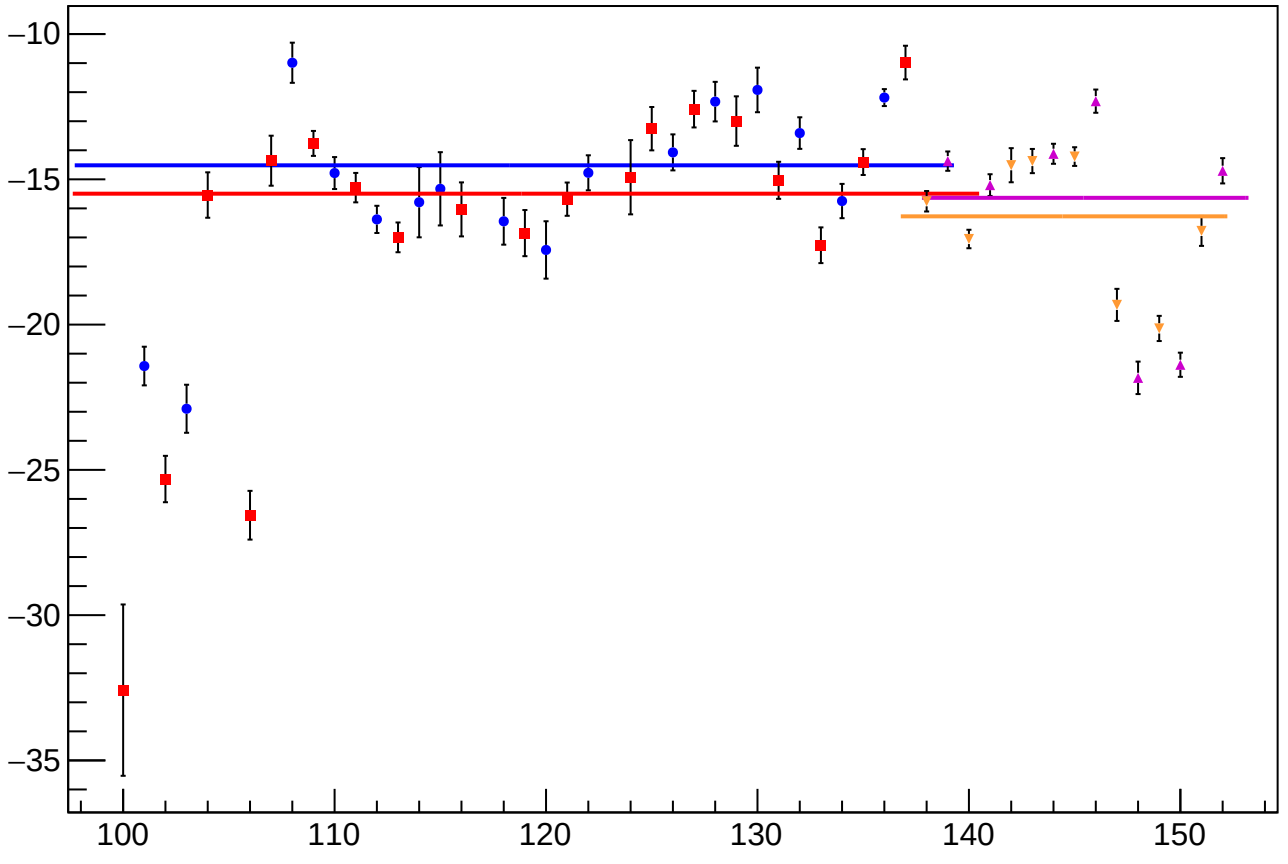
Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.352+/-0.015 χ^2/NDF:185.9/6

+ sign -0.375+/-0.013 χ^2/NDF: 760.7/23

All: -0.405+/-0.009 χ^2/NDF: 1746.6/49

- sign -0.435+/-0.012 χ^2/NDF: 974.3/25



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -16.274+/-0.143 χ^2/NDF:189.7/7

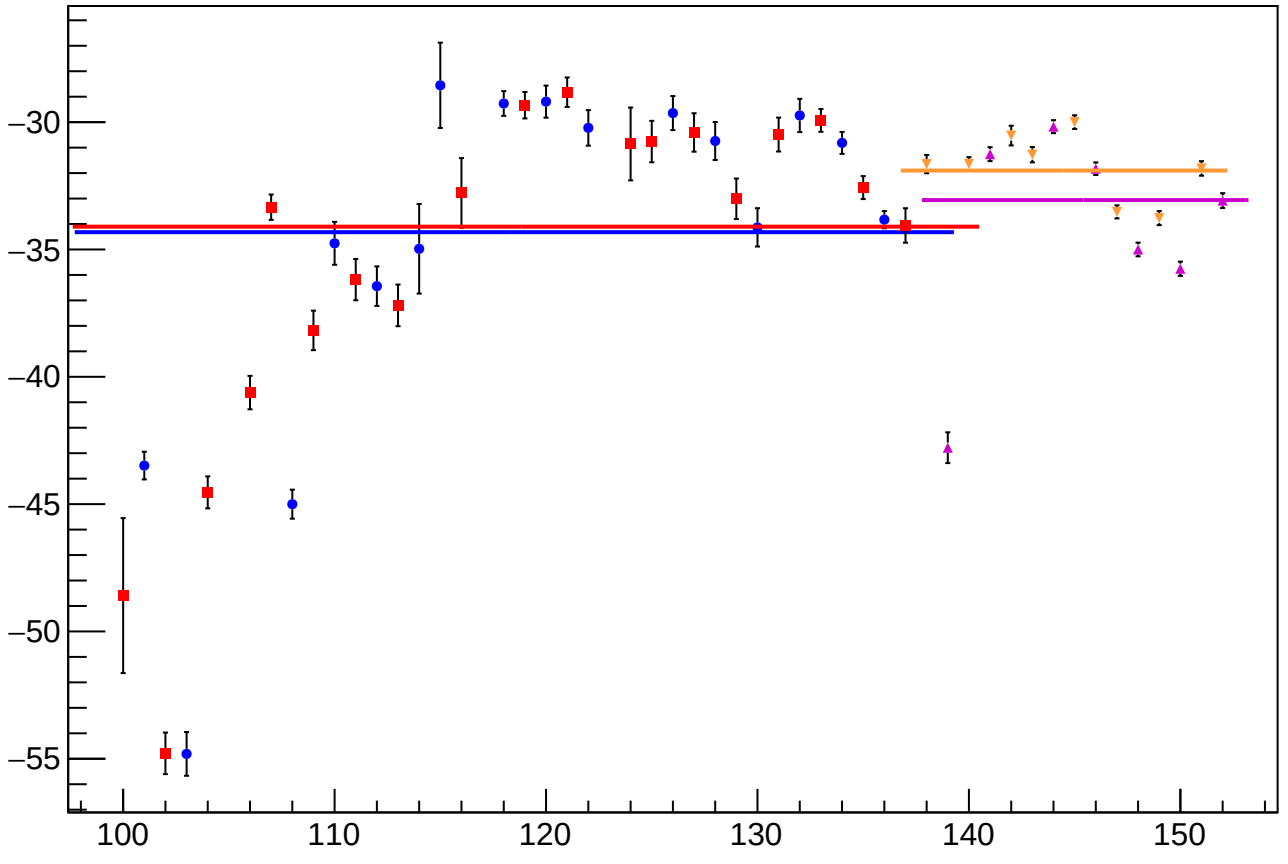
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.637+/-0.149 χ^2/NDF:422.7/6

+ sign -15.432+/-0.103 χ^2/NDF: 625.0/23

All: -15.498+/-0.074 χ^2/NDF: 1552.8/49

- sign -15.566+/-0.106 χ^2/NDF: 927.0/25



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.900+/-0.103 χ^2/NDF:153.6/7

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

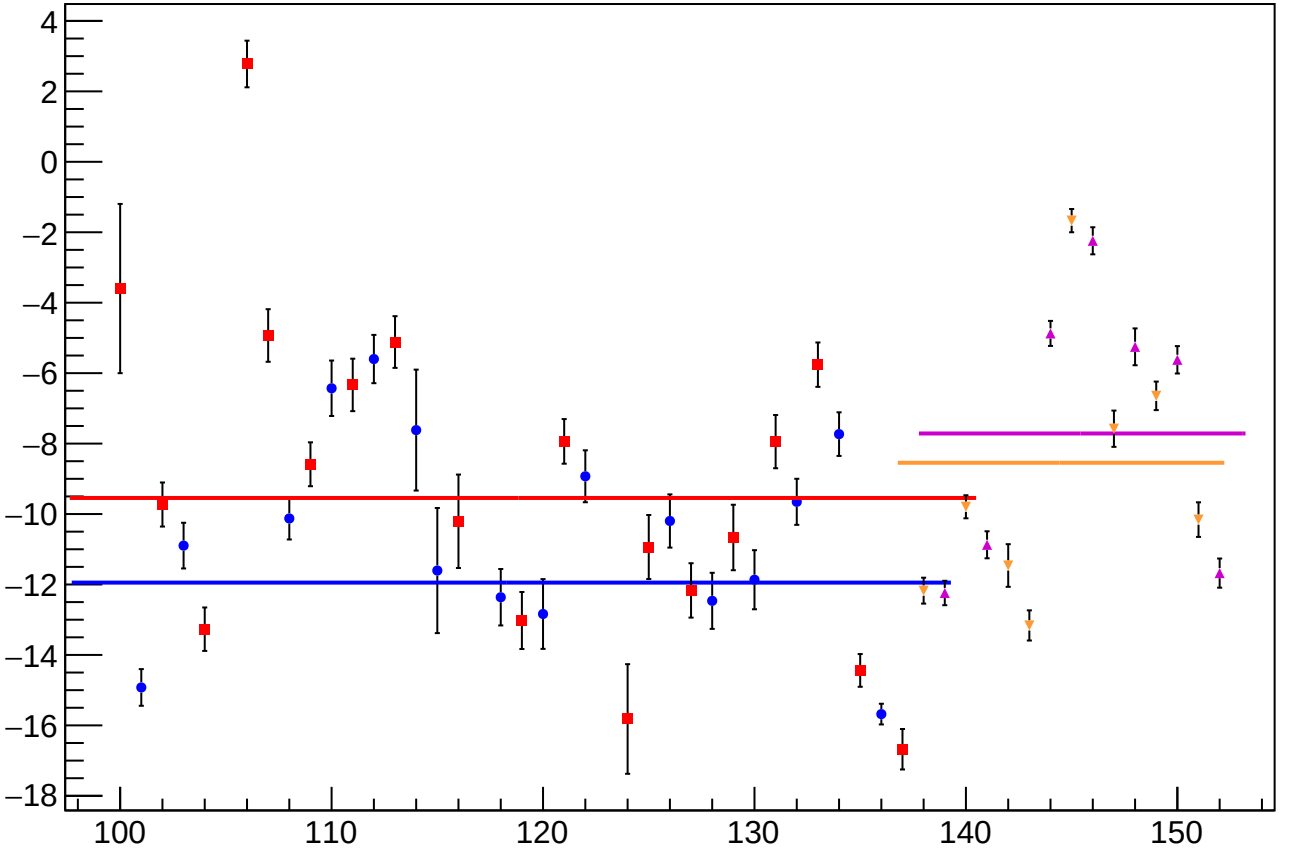
Left In: -33.060+/-0.108 χ^2/NDF:599.4/6

+ sign -32.655+/-0.086 χ^2/NDF: 1945.8/23

All: -33.017+/-0.061 χ^2/NDF: 4047.8/49

- sign -33.402+/-0.088 χ^2/NDF: 2065.1/25

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: -8.544+/-0.144 χ^2/NDF:721.6/7

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

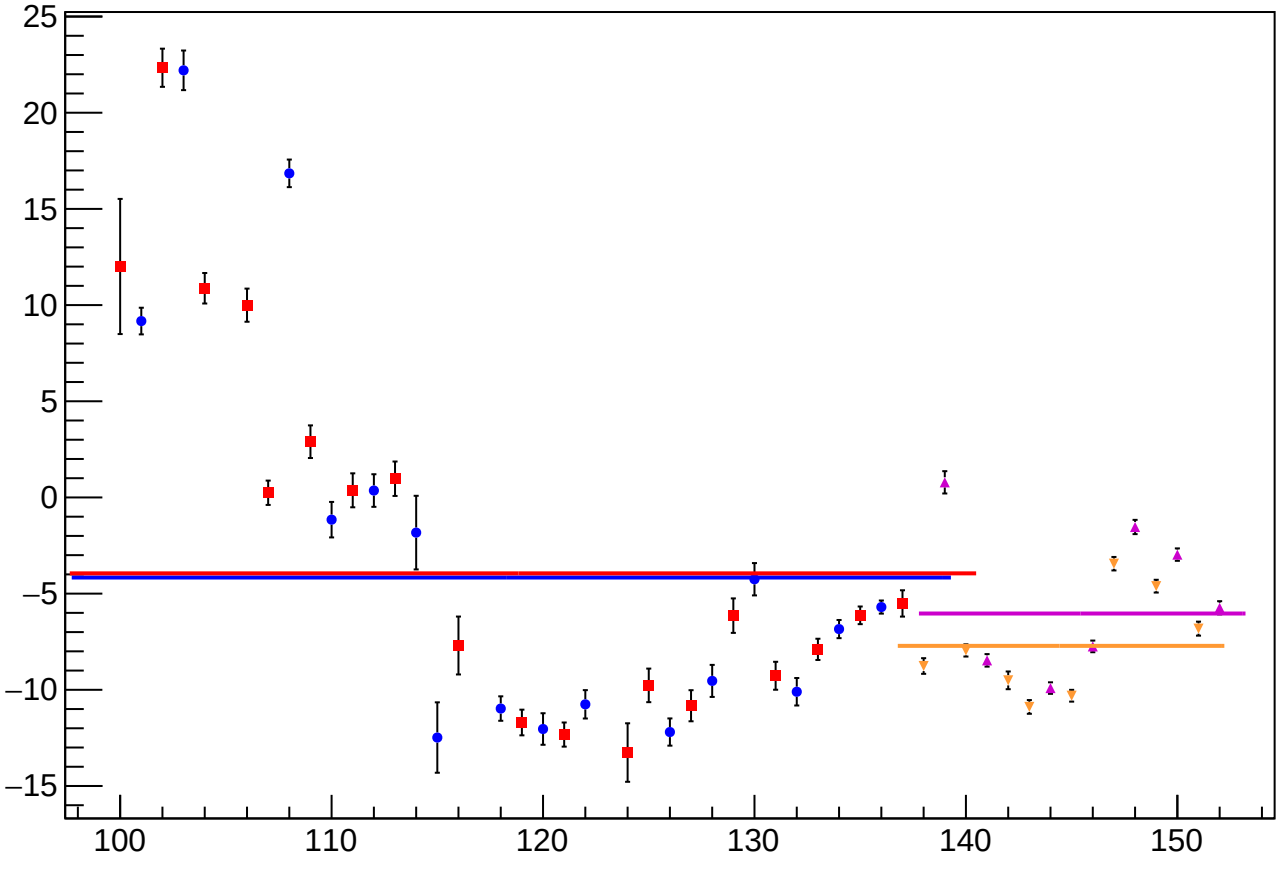
Left In: -7.713+/-0.148 χ^2/NDF:647.8/6

+ sign -10.067+/-0.107 χ^2/NDF: 1401.0/23

All: -9.317+/-0.077 χ^2/NDF: 3064.9/49

- sign -8.525+/-0.110 χ^2/NDF: 1563.2/25

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: -7.716+/-0.125 χ^2/NDF:414.6/7

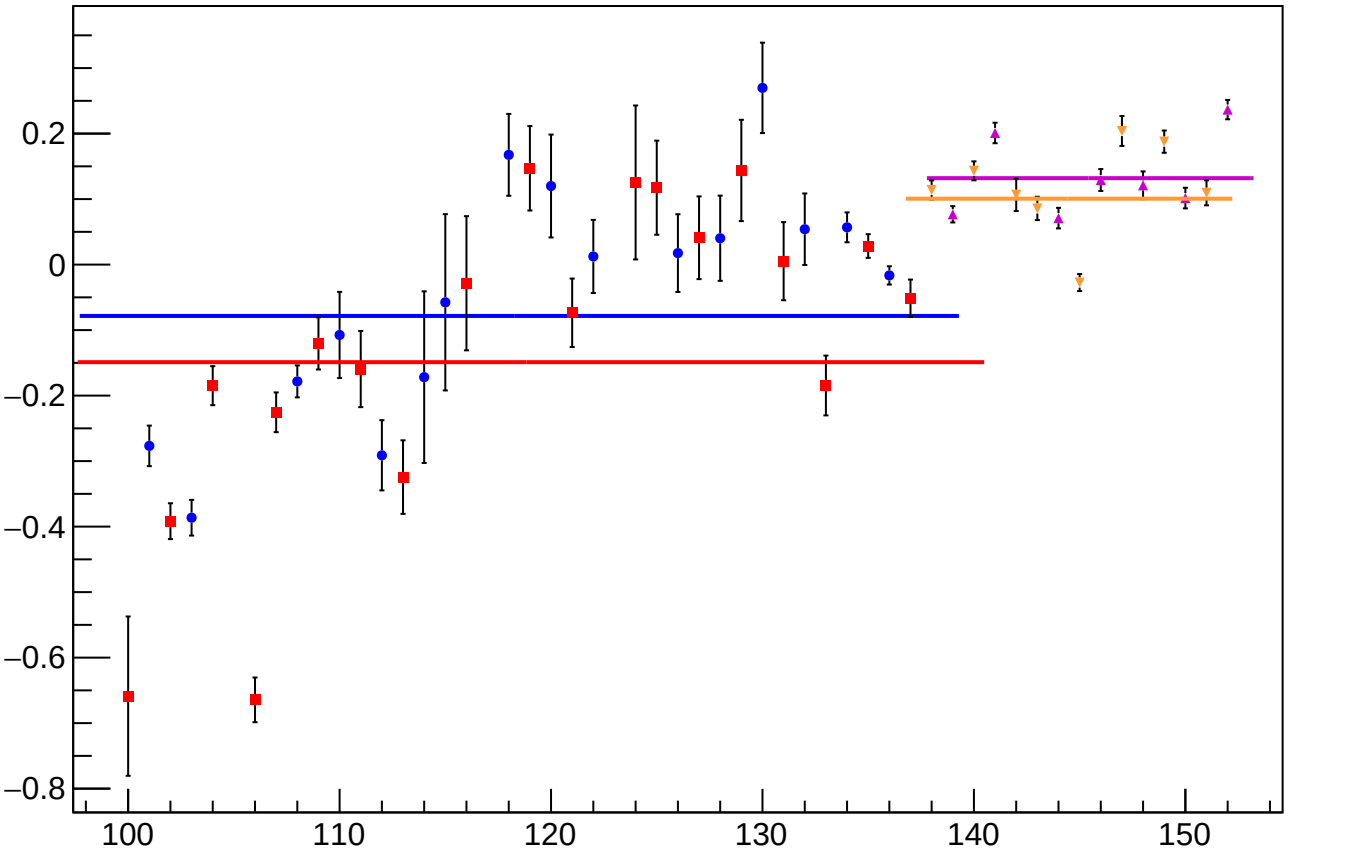
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.034+/-0.129 χ^2/NDF:632.1/6

+ sign -6.485+/-0.101 χ^2/NDF: 3218.8/23

All: -5.911+/-0.073 χ^2/NDF: 6118.7/49

- sign -5.303+/-0.104 χ^2/NDF: 2833.6/25



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.101+/-0.006 χ^2/NDF:153.6/7

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

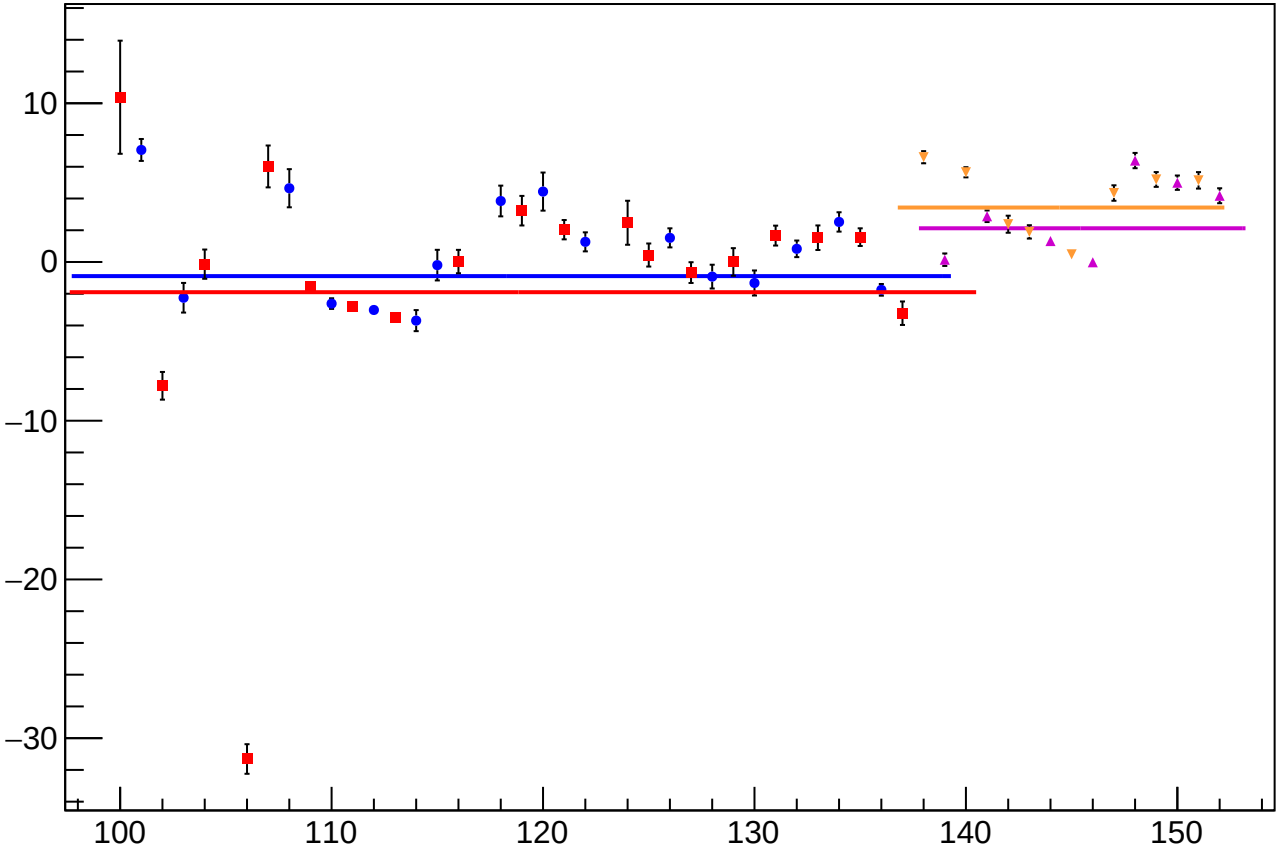
Left In: 0.132+/-0.006 χ^2/NDF:108.5/6

+ sign 0.042+/-0.005 χ^2/NDF: 767.1/23

All: 0.046+/-0.003 χ^2/NDF: 2077.2/49

- sign 0.049+/-0.005 χ^2/NDF: 1309.2/25

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: 3.431+/-0.135 χ^2/NDF:307.5/7

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

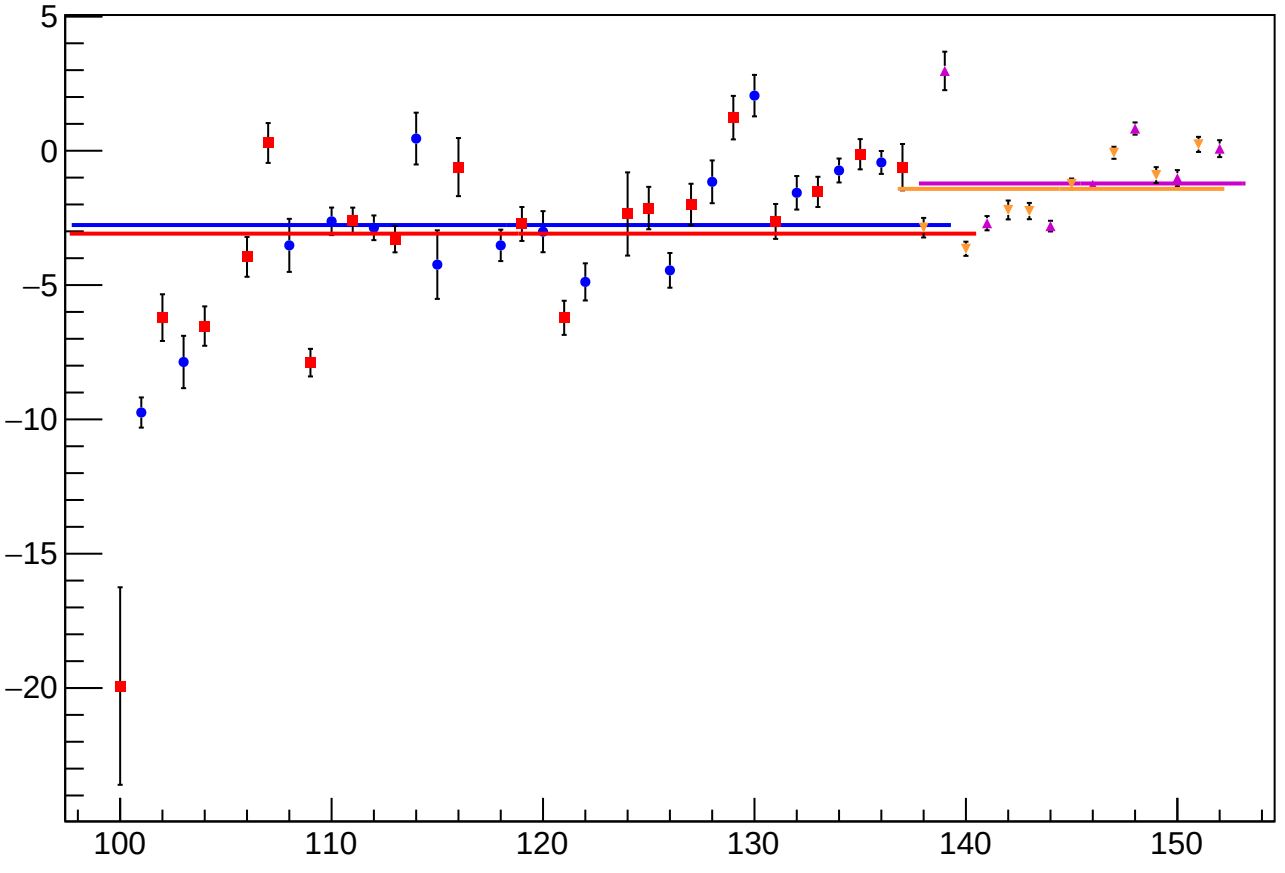
Left In: 2.124+/-0.138 χ^2/NDF:226.6/6

+ sign 1.296+/-0.096 χ^2/NDF: 1193.7/23

All: 0.615+/-0.067 χ^2/NDF: 3306.5/49

- sign -0.037+/-0.094 χ^2/NDF: 2014.5/25

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.419+/-0.095 χ^2/NDF:173.6/7

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

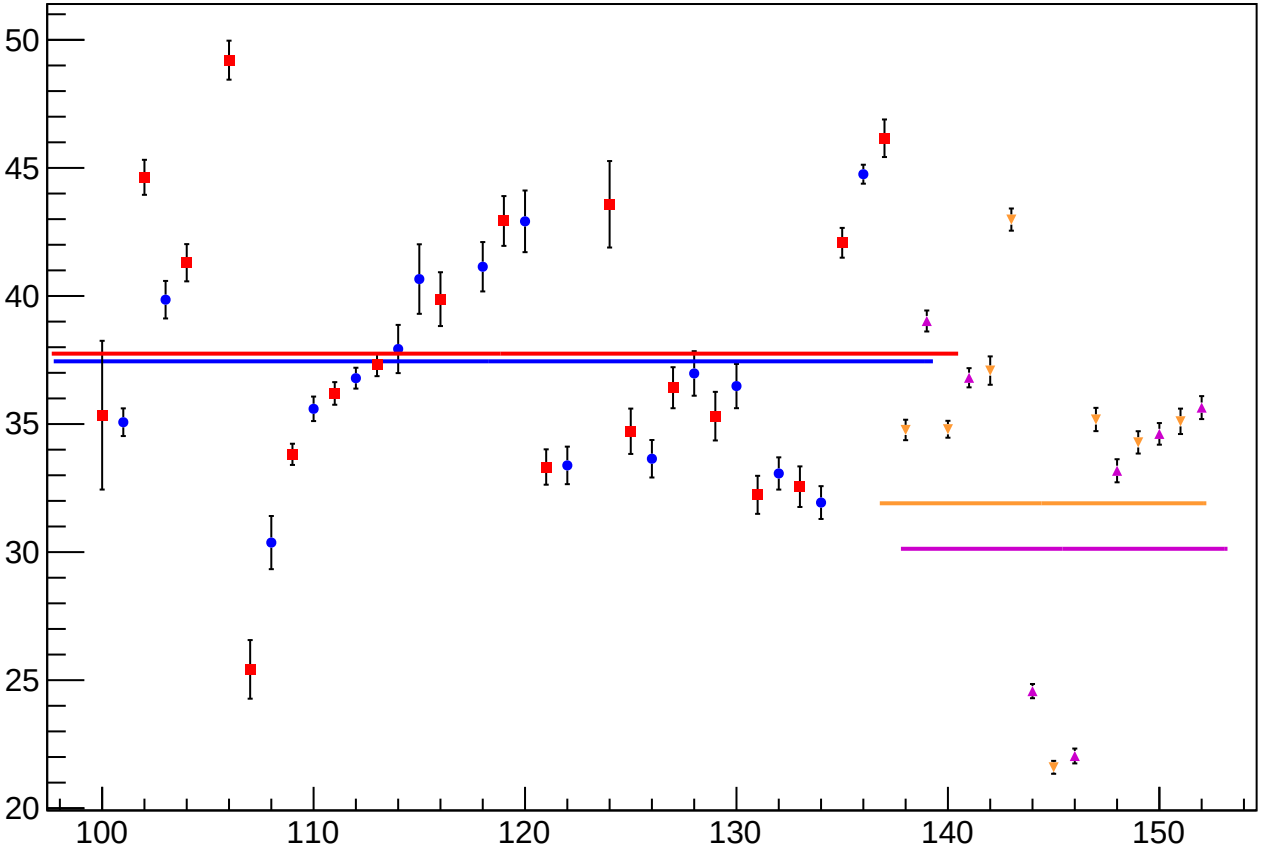
Left In: -1.219+/-0.094 χ^2/NDF:226.5/6

+ sign -1.785+/-0.081 χ^2/NDF: 537.8/23

All: -1.746+/-0.057 χ^2/NDF: 1140.8/49

- sign -1.708+/-0.081 χ^2/NDF: 602.6/25

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: 31.906+/-0.136 χ^2/NDF:2660.6/7

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

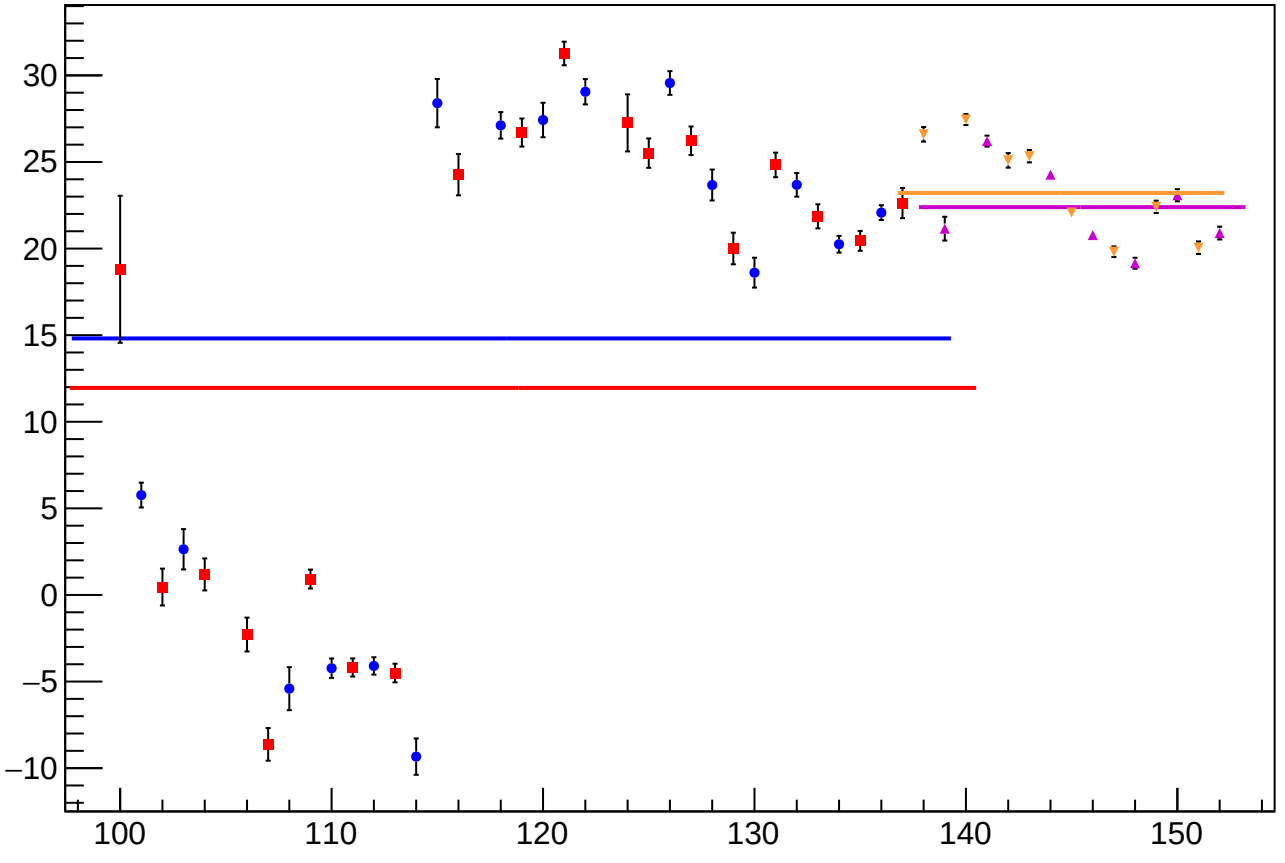
Left In: 30.130+/-0.137 χ^2/NDF:2276.5/6

+ sign 34.223+/-0.104 χ^2/NDF: 4059.8/23

All: 33.792+/-0.073 χ^2/NDF: 8649.7/49

- sign 33.361+/-0.104 χ^2/NDF: 4555.6/25

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.212+/-0.116 χ^2/NDF:523.5/7

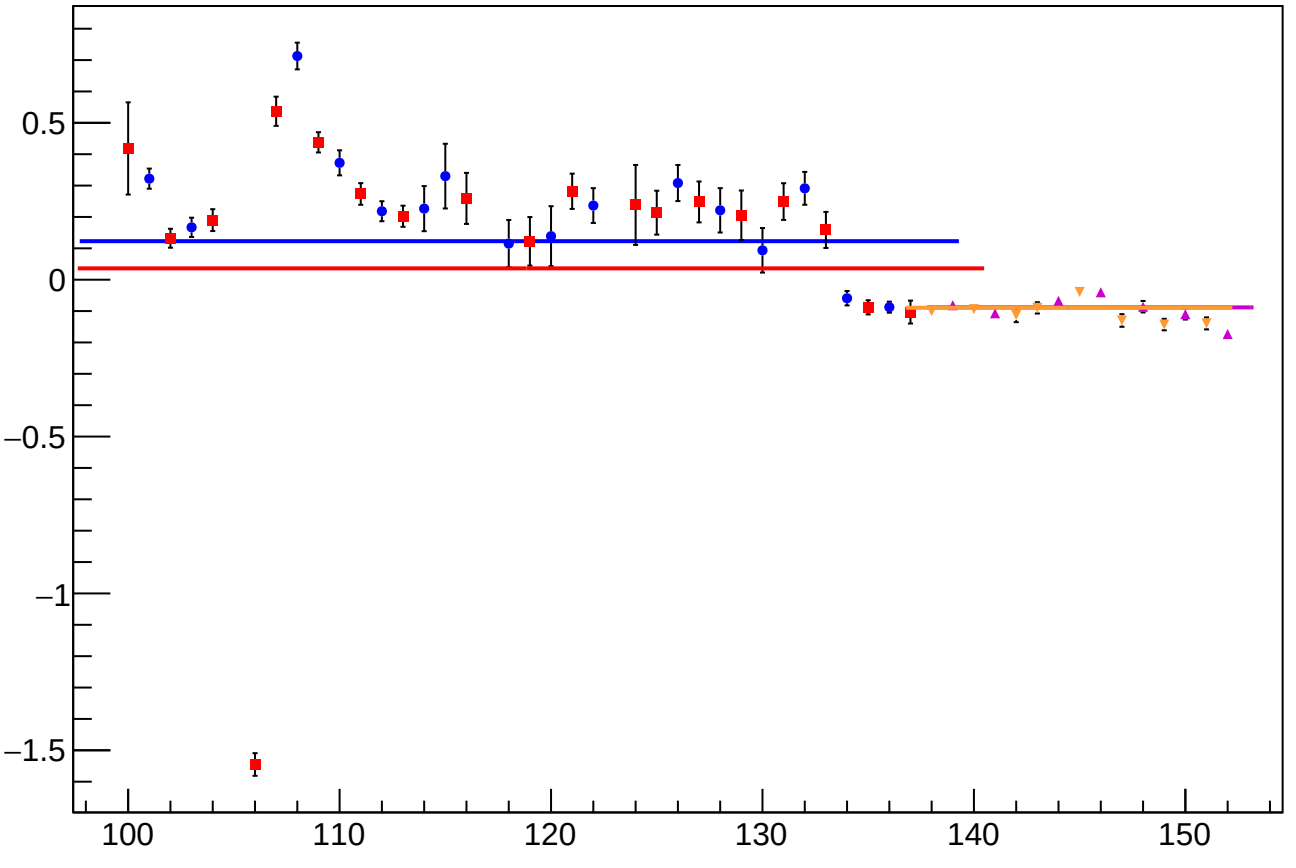
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.393+/-0.115 χ^2/NDF:389.7/6

+ sign 20.618+/-0.097 χ^2/NDF: 7823.1/23

All: 19.957+/-0.068 χ^2/NDF: 16864.0/49

- sign 19.302+/-0.096 χ^2/NDF: 8947.9/25



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.089+/-0.006 χ^2/NDF:46.2/7

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

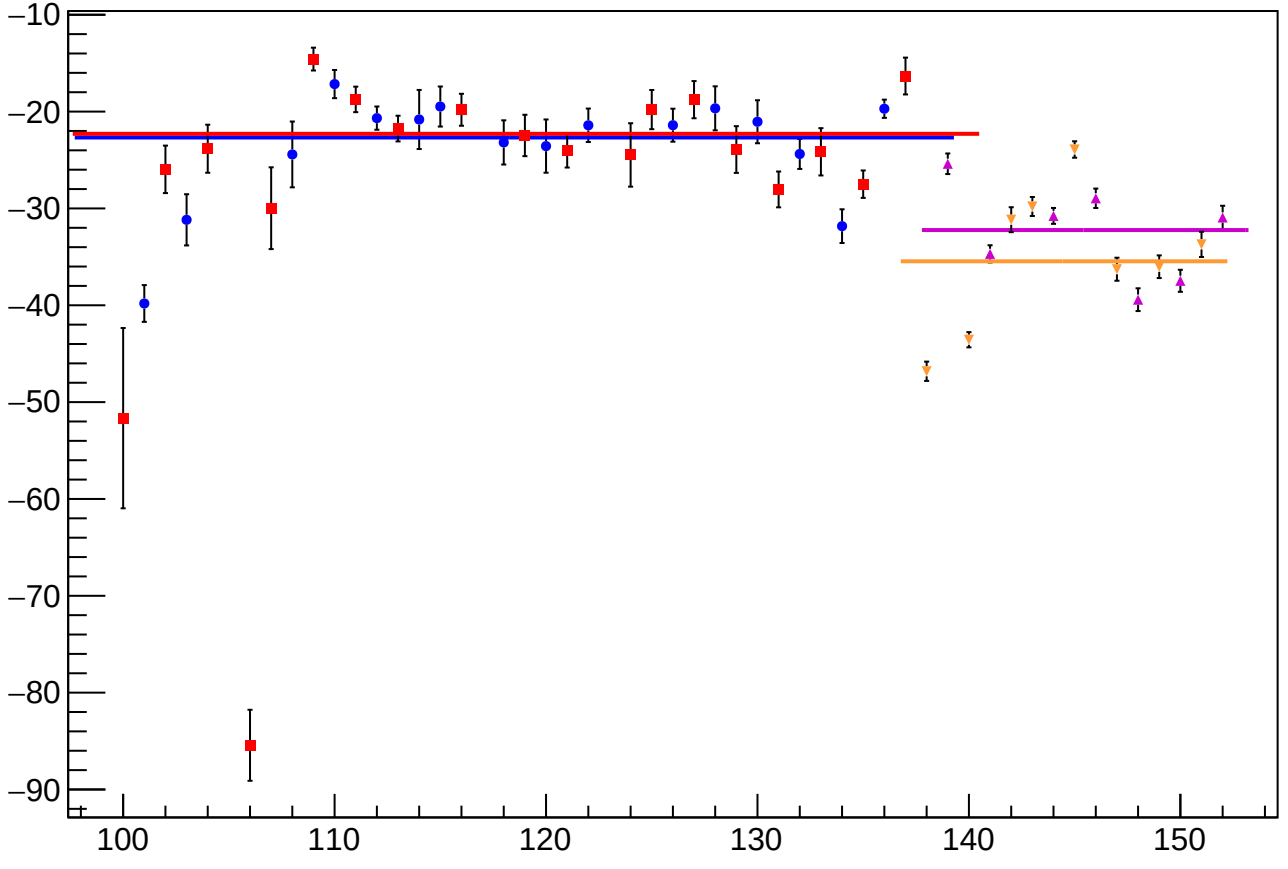
Left In: -0.088+/-0.006 χ^2/NDF:49.1/6

+ sign -0.034+/-0.005 χ^2/NDF: 941.1/23

All: -0.046+/-0.003 χ^2/NDF: 3539.6/49

- sign -0.058+/-0.005 χ^2/NDF: 2586.0/25

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.458+/-0.361 χ^2/NDF:467.7/7

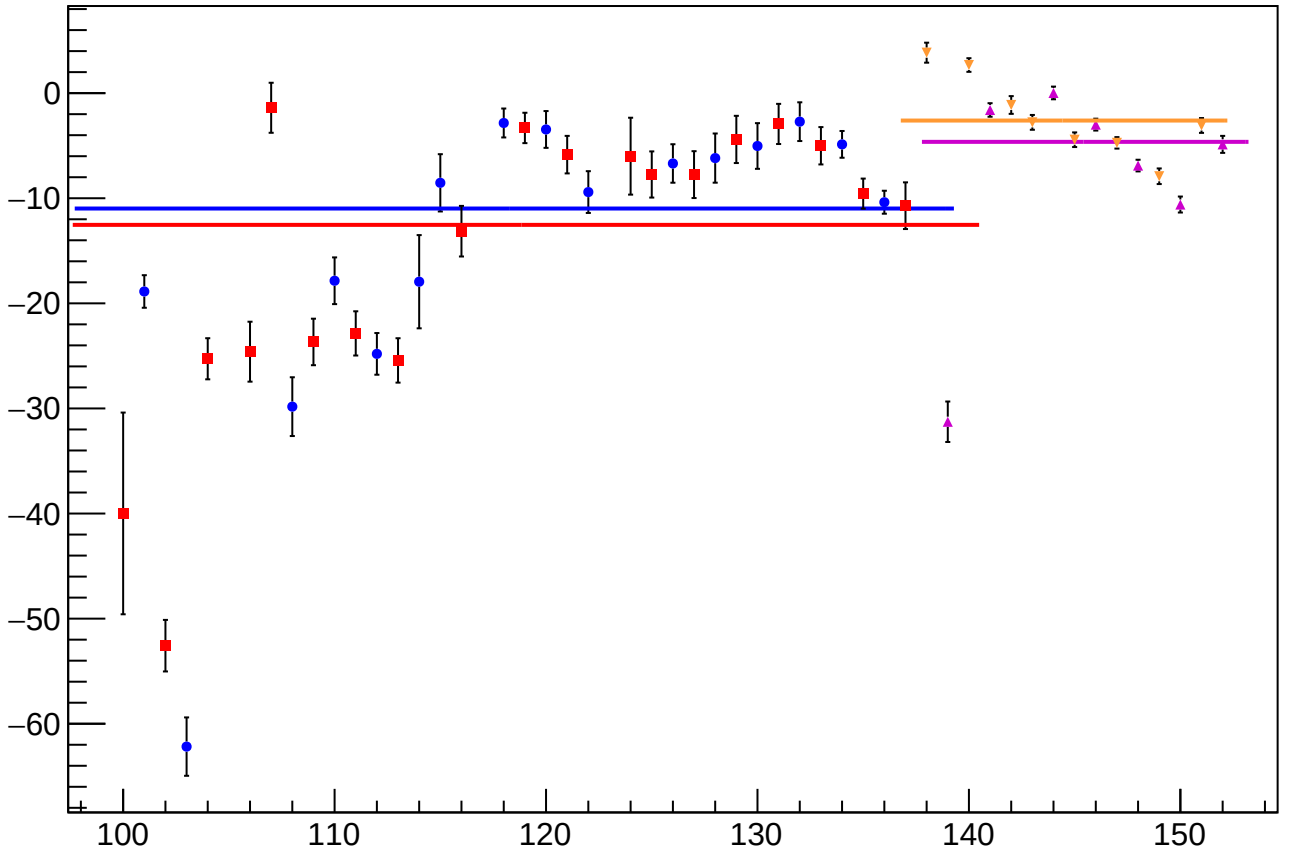
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -32.232+/-0.383 χ^2/NDF:122.7/6

+ sign -30.240+/-0.278 χ^2/NDF: 1134.3/23

All: -29.108+/-0.200 χ^2/NDF: 1990.8/49

- sign -27.894+/-0.288 χ^2/NDF: 822.0/25



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.607+/-0.249 χ^2/NDF:188.9/7

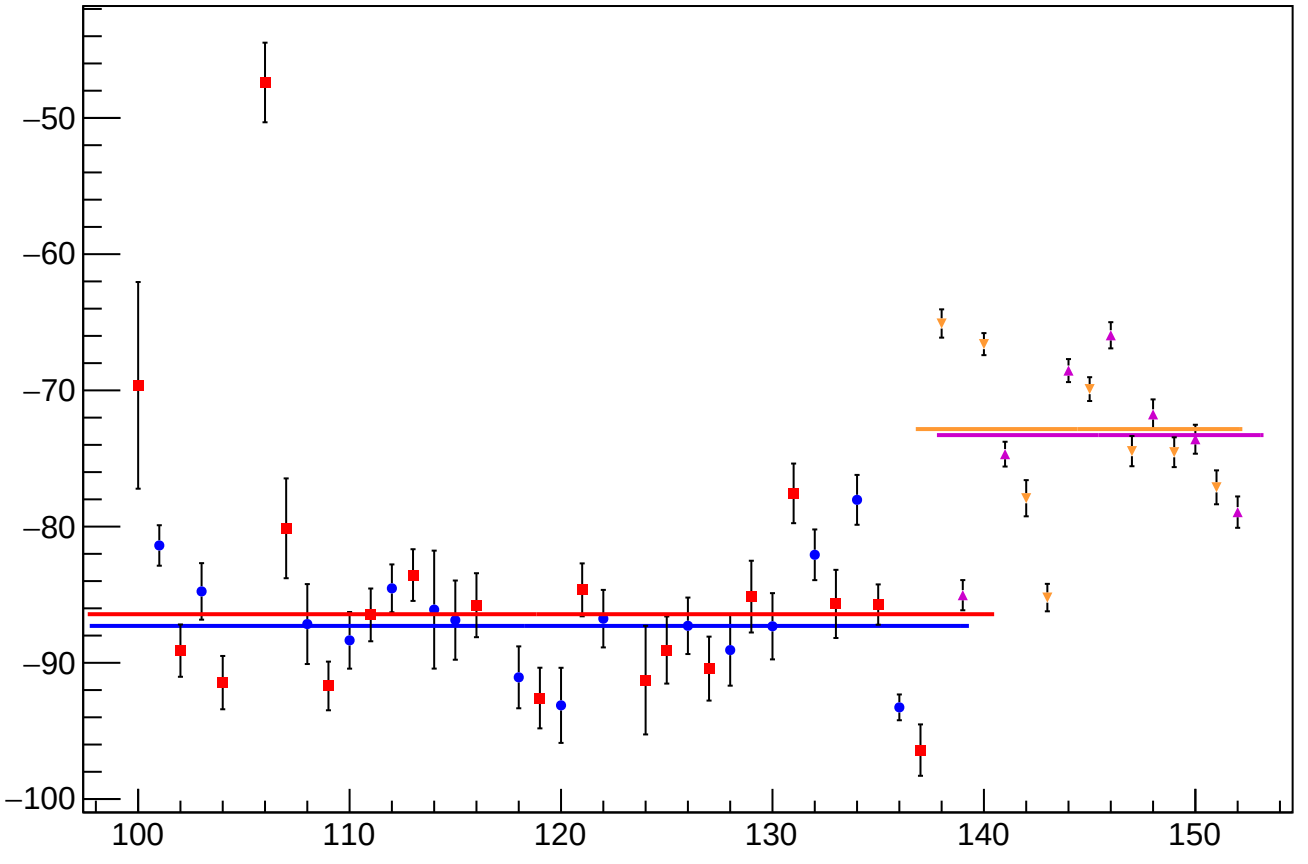
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.634+/-0.258 χ^2/NDF:359.4/6

+ sign -4.547+/-0.218 χ^2/NDF: 1038.1/23

All: -5.434+/-0.157 χ^2/NDF: 2213.7/49

- sign -6.396+/-0.227 χ^2/NDF: 1141.1/25



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -72.840+/-0.363 χ^2/NDF:307.9/7

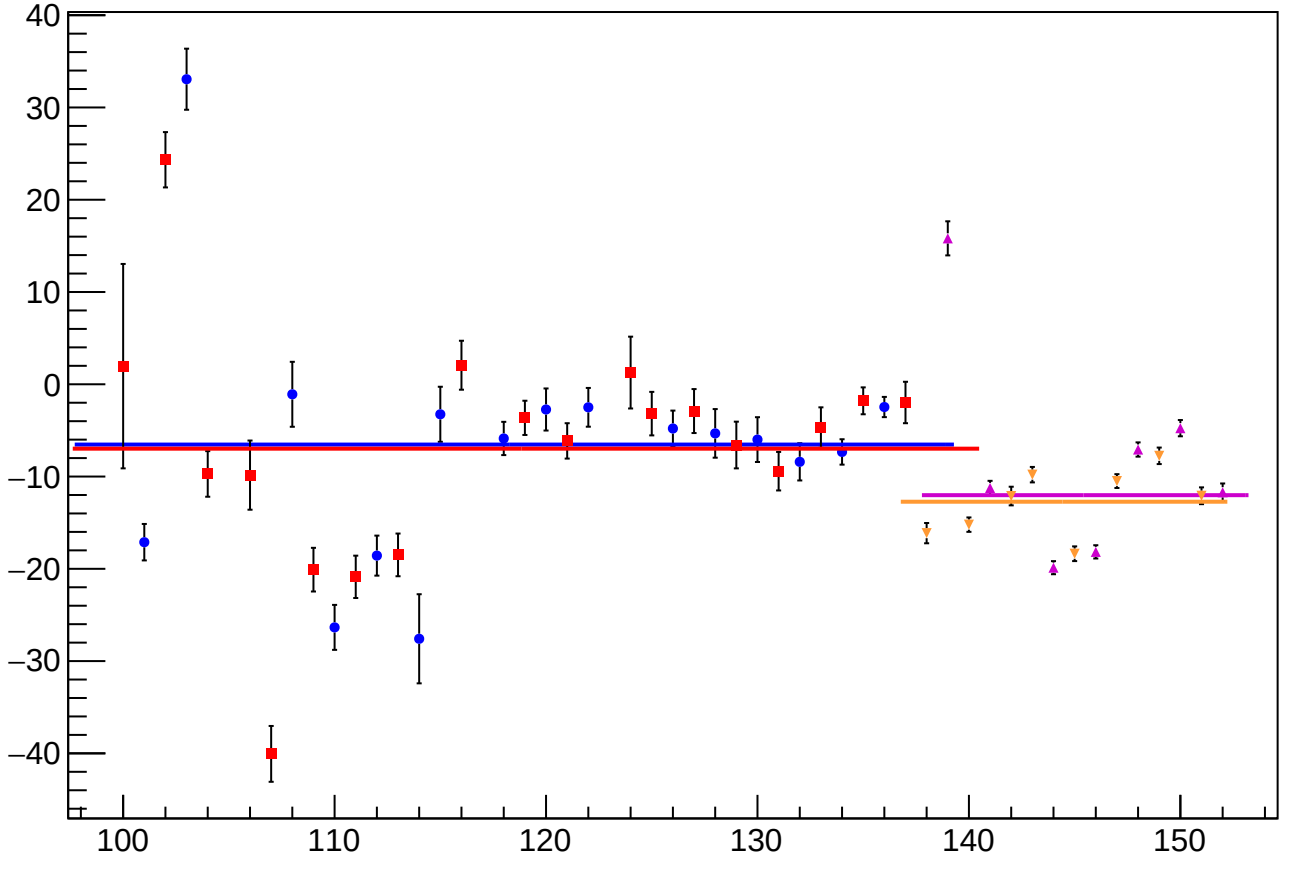
Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -73.283+/-0.379 χ^2/NDF:230.6/6

+ sign -78.082+/-0.289 χ^2/NDF: 985.2/23

All: -78.045+/-0.209 χ^2/NDF: 1913.5/49

- sign -78.005+/-0.303 χ^2/NDF: 928.2/25



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -12.729+/-0.306 χ^2/NDF:122.7/7

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

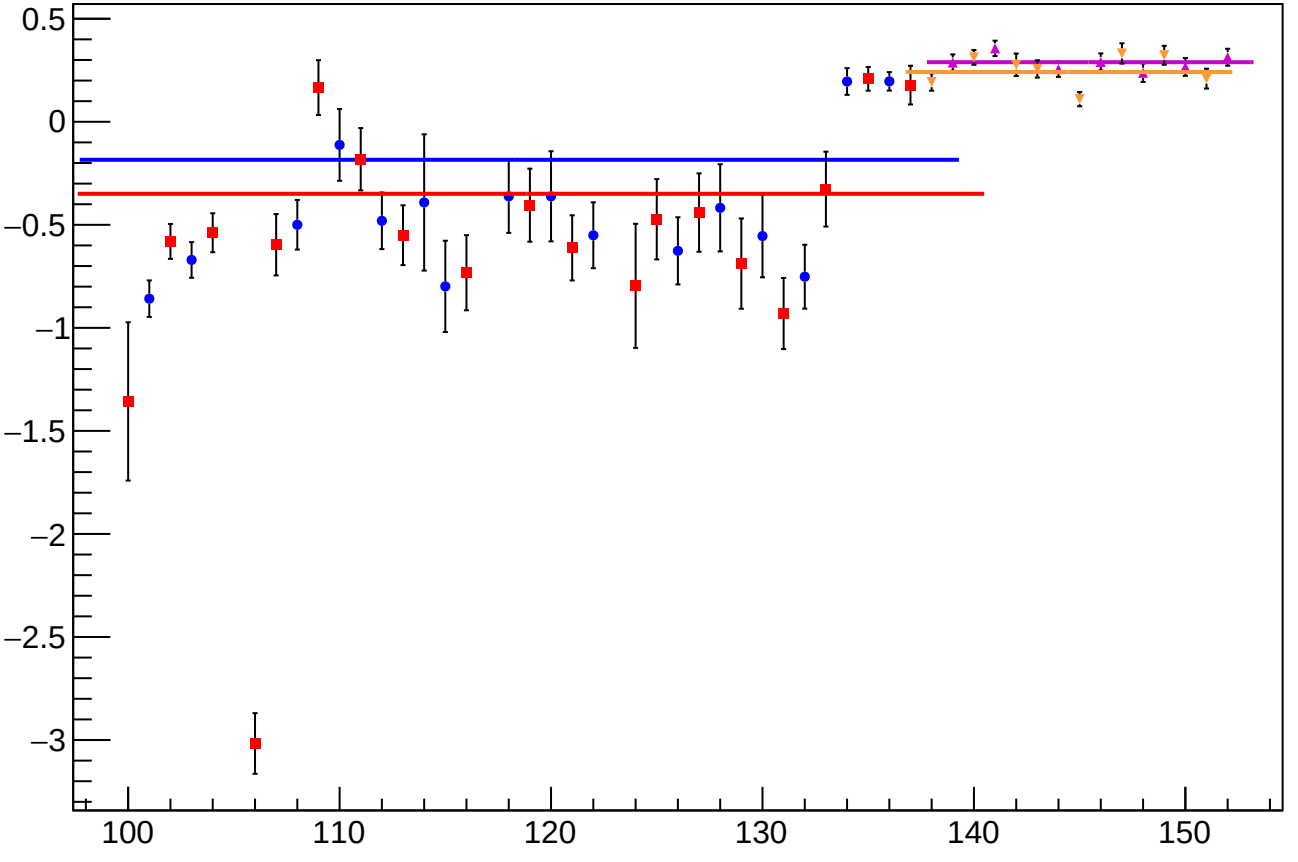
Left In: -12.018+/-0.317 χ^2/NDF:532.7/6

+ sign -11.080+/-0.262 χ^2/NDF: 545.7/23

All: -10.914+/-0.189 χ^2/NDF: 1512.1/49

- sign -10.734+/-0.273 χ^2/NDF: 965.5/25

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.241+/-0.015 χ^2/NDF:27.1/7

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

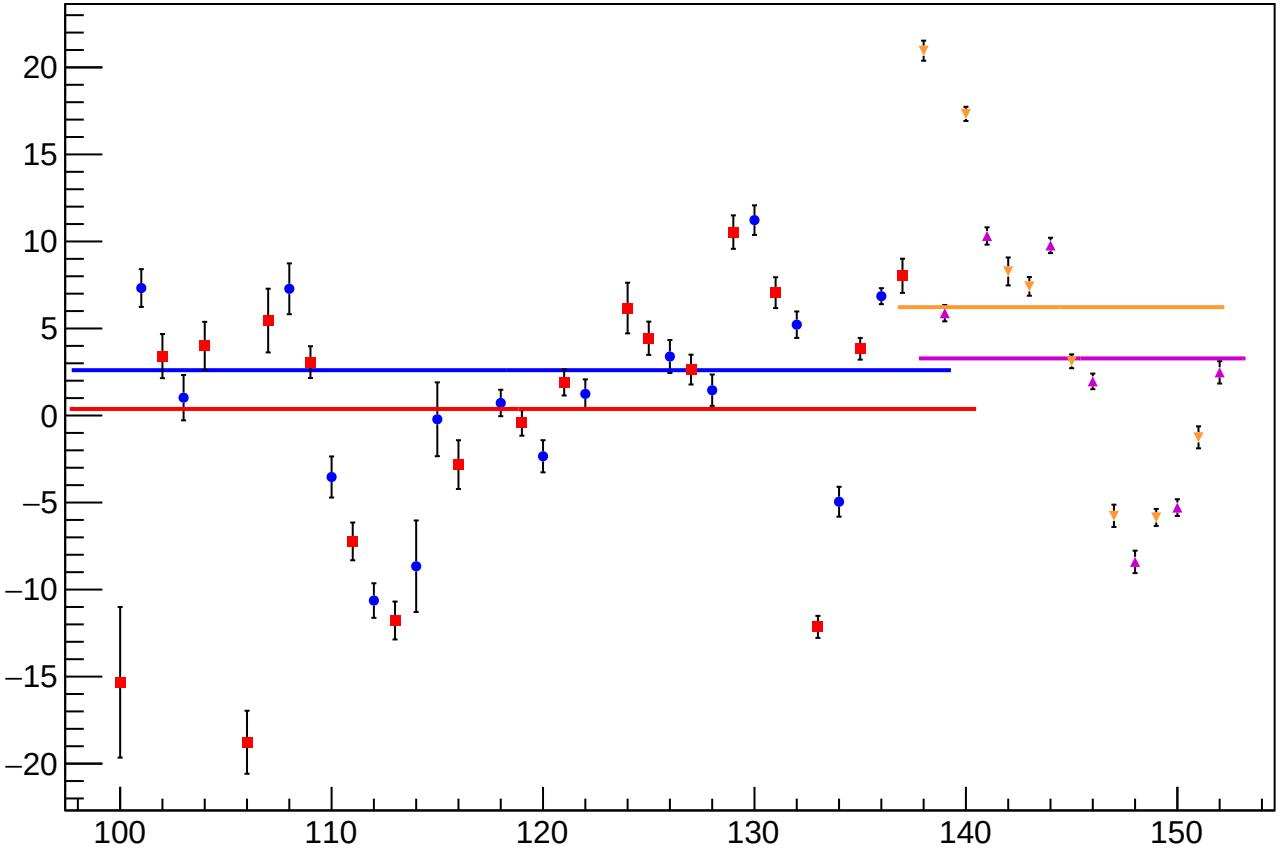
Left In: 0.289+/-0.015 χ^2/NDF:6.0/6

+ sign 0.139+/-0.013 χ^2/NDF: 466.4/23

All: 0.145+/-0.009 χ^2/NDF: 1362.5/49

- sign 0.153+/-0.014 χ^2/NDF: 895.5/25

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: 6.226+/-0.184 χ^2/NDF:2567.1/7

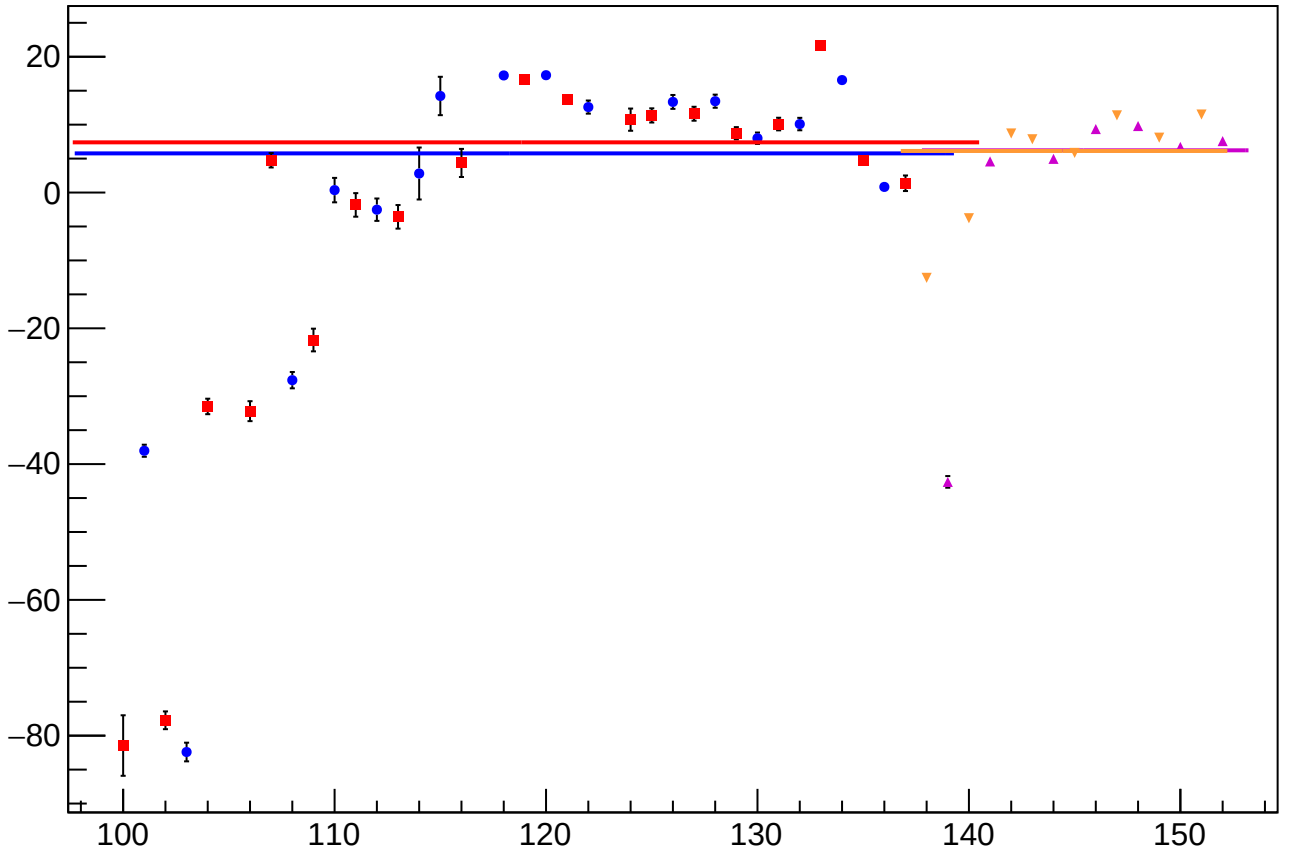
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 3.281+/-0.189 χ^2/NDF:1102.8/6

+ sign 4.765+/-0.142 χ^2/NDF: 3296.1/23

All: 3.430+/-0.101 χ^2/NDF: 5707.2/49

- sign 2.059+/-0.144 χ^2/NDF: 2232.6/25



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.125+/-0.129 χ^2/NDF:2491.0/7

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

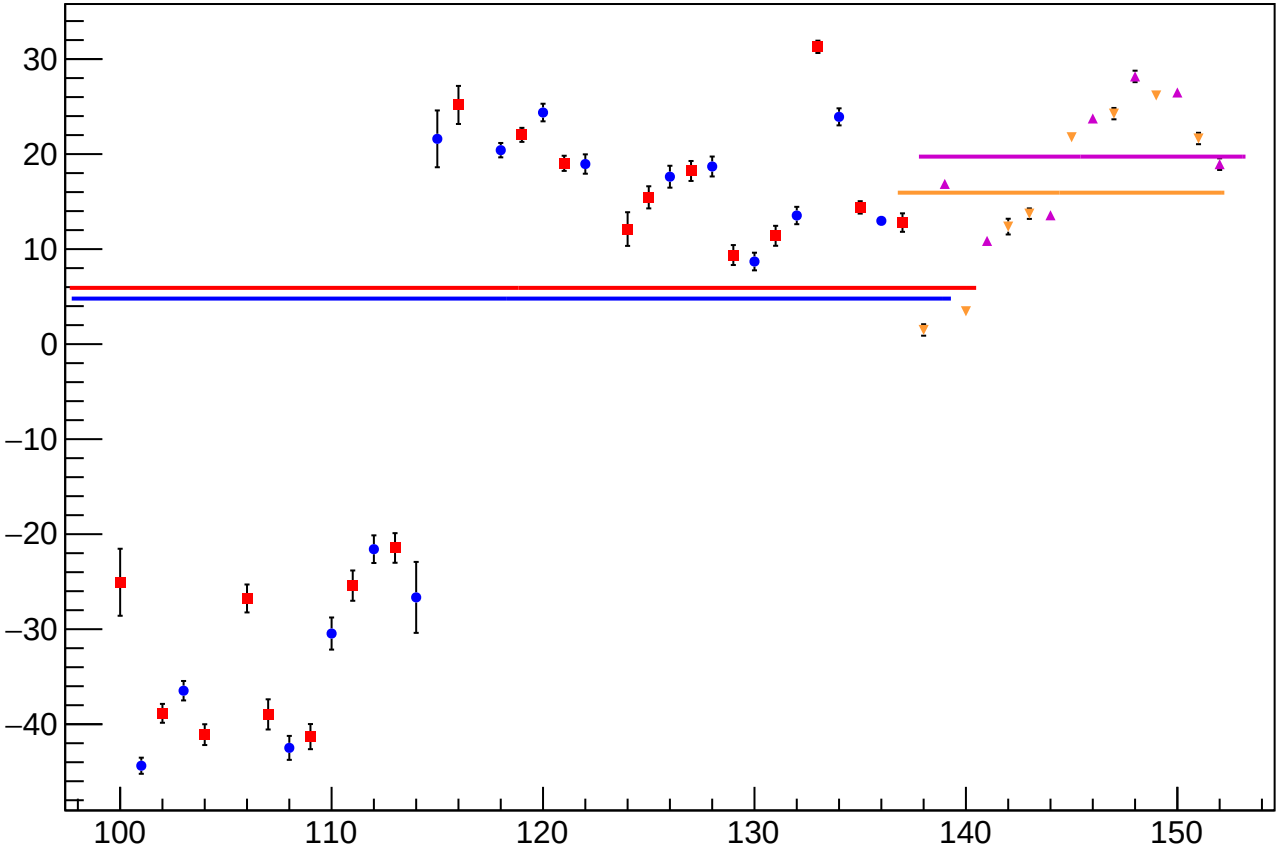
Left In: 6.219+/-0.133 χ^2/NDF:3544.7/6

+ sign 6.027+/-0.110 χ^2/NDF: 11427.0/23

All: 6.287+/-0.078 χ^2/NDF: 23396.2/49

- sign 6.558+/-0.112 χ^2/NDF: 11957.8/25

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: 15.940+/-0.184 χ^2/NDF:2484.0/7

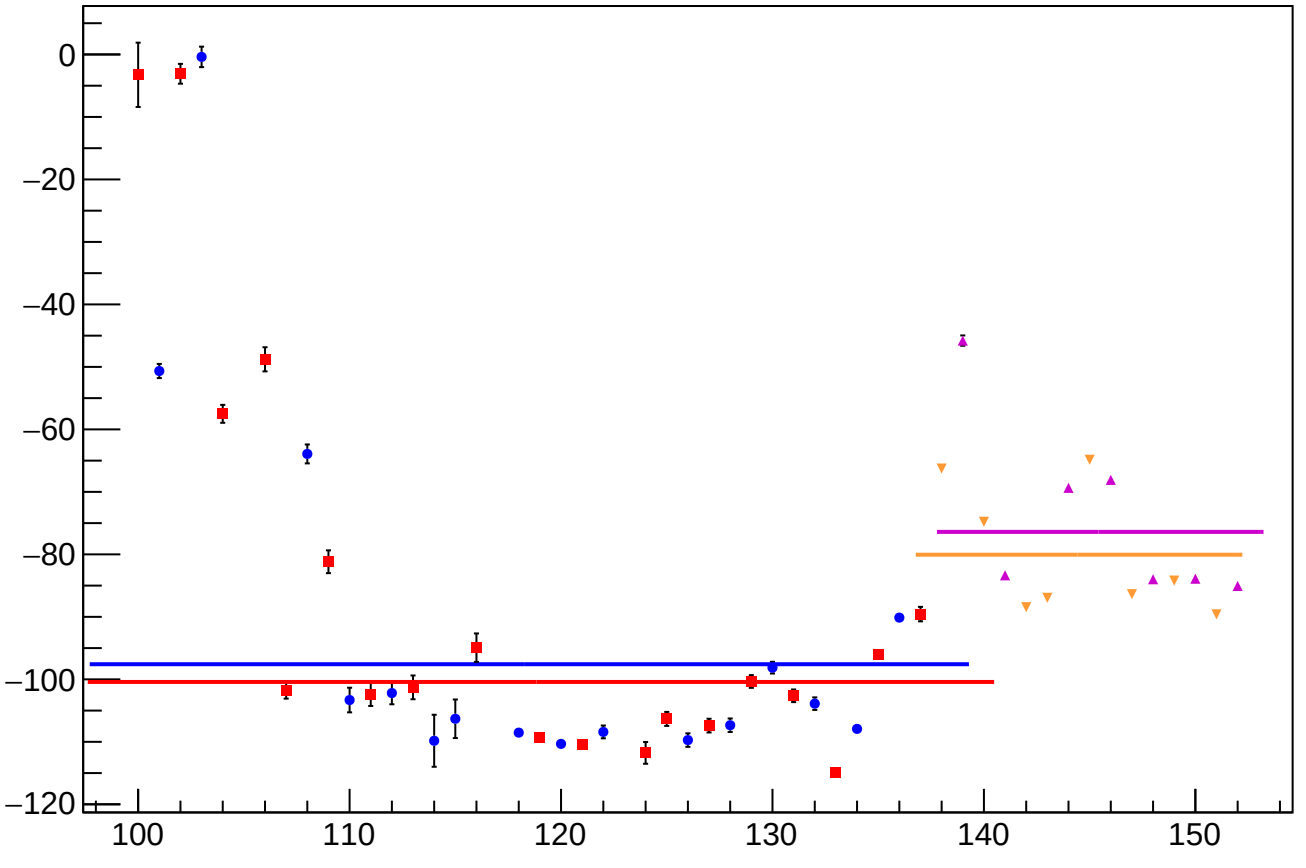
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 19.735+/-0.187 χ^2/NDF:1029.5/6

+ sign 11.756+/-0.145 χ^2/NDF: 13357.6/23

All: 13.119+/-0.104 χ^2/NDF: 26688.5/49

- sign 14.519+/-0.147 χ^2/NDF: 13152.9/25



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -80.057+/-0.157 χ^2/NDF:3431.3/7

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

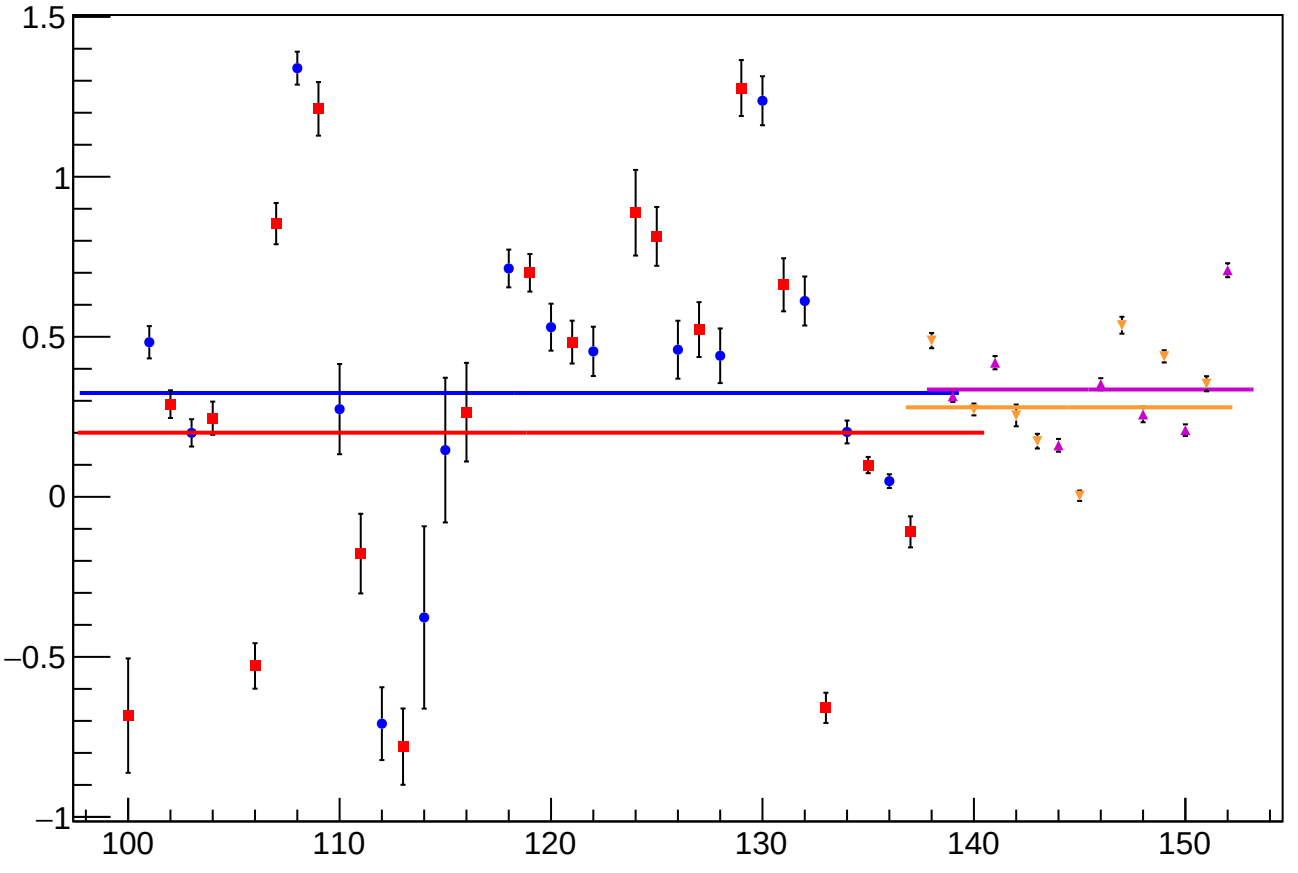
Left In: -76.403+/-0.161 χ^2/NDF:3578.6/6

+ sign -85.259+/-0.132 χ^2/NDF: 14272.0/23

All: -84.537+/-0.094 χ^2/NDF: 31903.0/49

- sign -83.792+/-0.134 χ^2/NDF: 17570.0/25

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: 0.280+/-0.008 χ^2/NDF:562.2/7

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

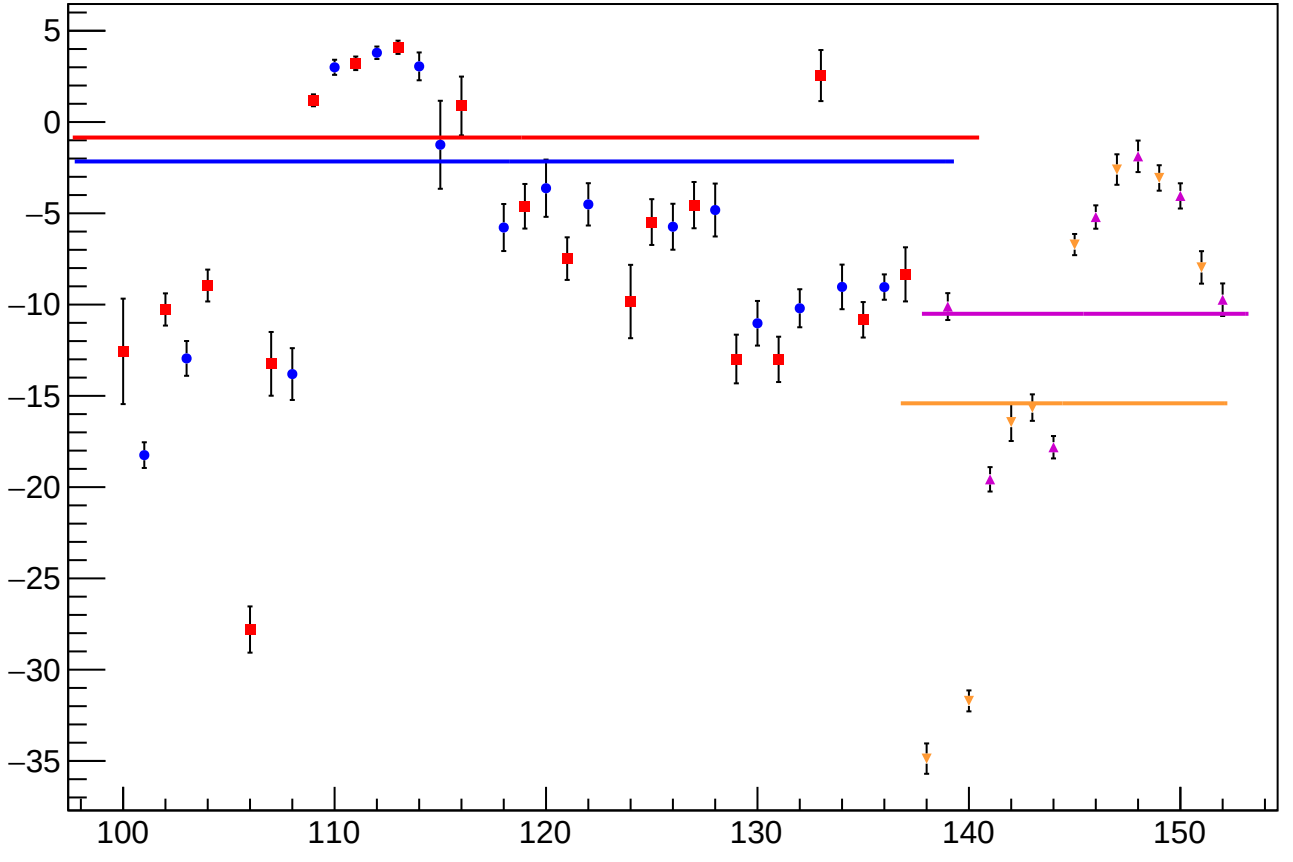
Left In: 0.335+/-0.008 χ^2/NDF:443.8/6

+ sign 0.291+/-0.007 χ^2/NDF: 1457.3/23

All: 0.298+/-0.005 χ^2/NDF: 3182.7/49

- sign 0.305+/-0.007 χ^2/NDF: 1723.3/25

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -15.408+/-0.258 χ^2/NDF:2197.7/7

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

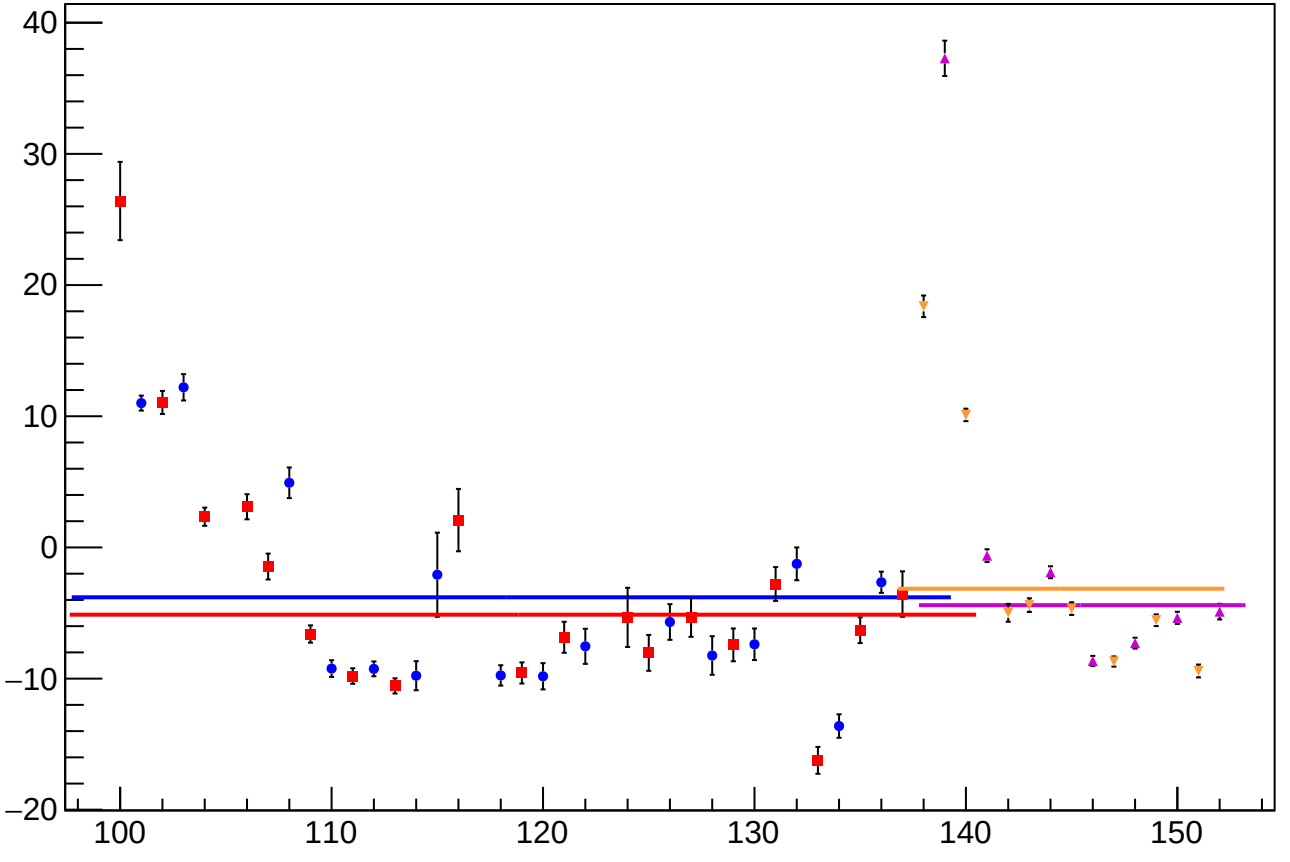
Left In: -10.505+/-0.268 χ^2/NDF:582.8/6

+ sign -6.883+/-0.154 χ^2/NDF: 5386.7/23

All: -5.141+/-0.105 χ^2/NDF: 8596.6/49

- sign -3.621+/-0.144 χ^2/NDF: 2970.4/25

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.145+/-0.178 χ^2/NDF:1867.3/7

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

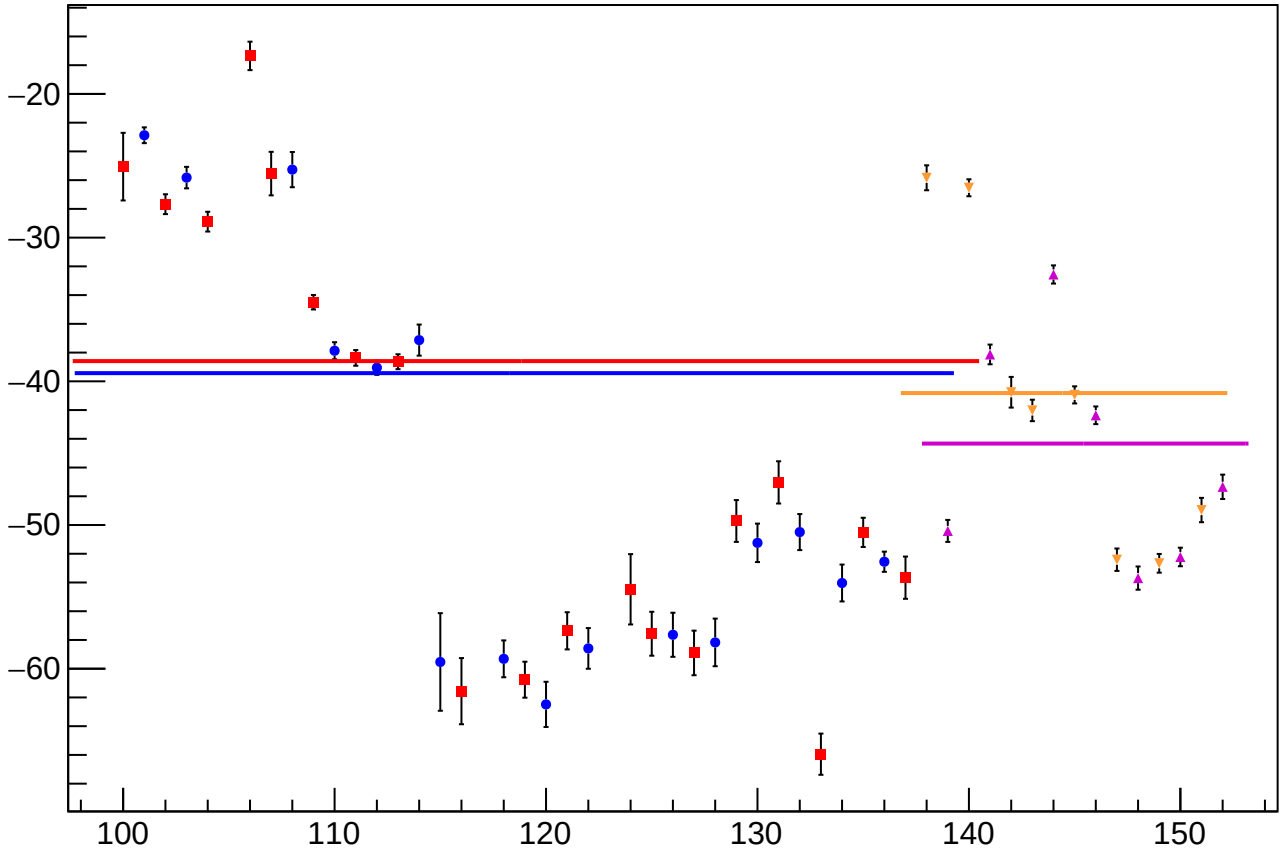
Left In: -4.400+/-0.184 χ^2/NDF:1223.4/6

+ sign -3.396+/-0.140 χ^2/NDF: 3298.0/23

All: -4.042+/-0.099 χ^2/NDF: 5551.8/49

- sign -4.701+/-0.141 χ^2/NDF: 2210.5/25

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -40.816+/-0.257 χ^2/NDF:1530.1/7

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

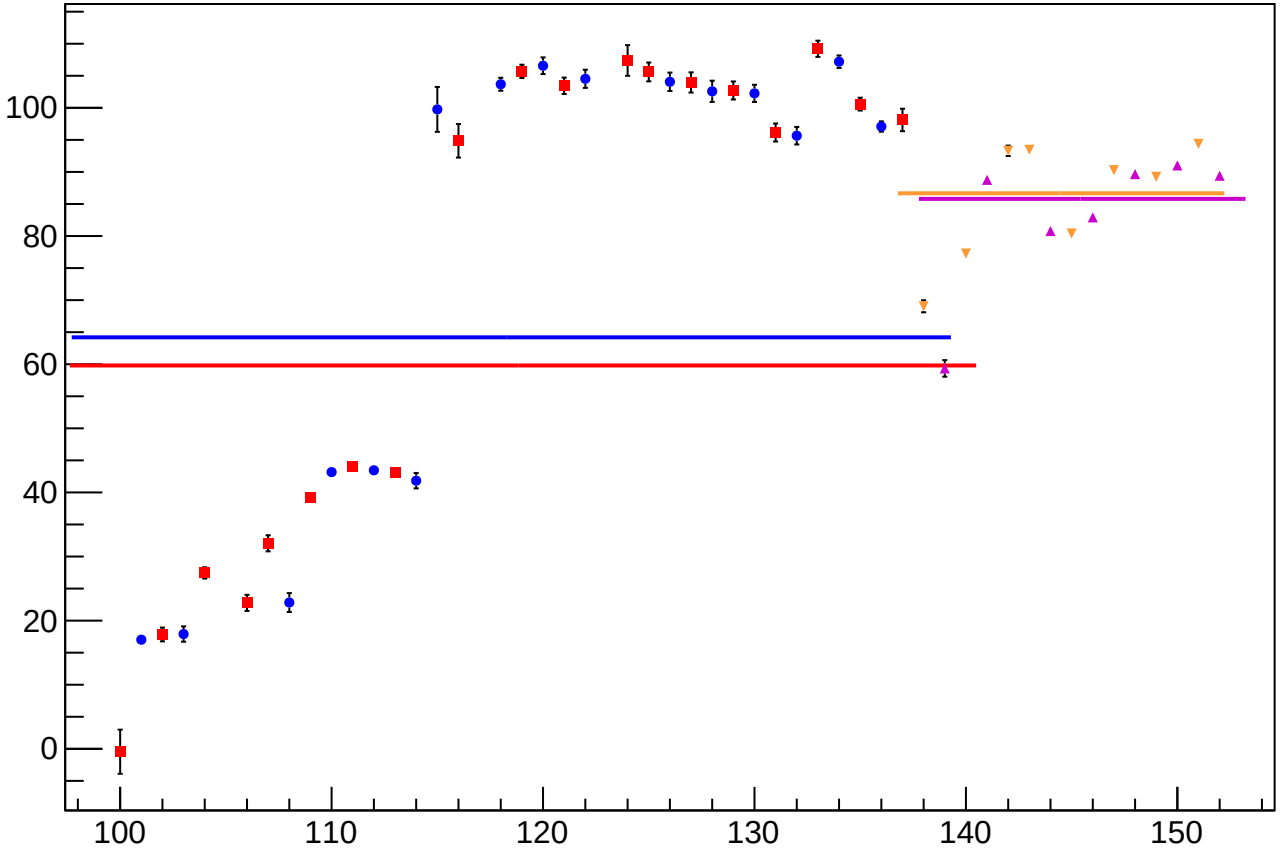
Left In: -44.332+/-0.265 χ^2/NDF:797.5/6

+ sign -40.032+/-0.170 χ^2/NDF: 4504.6/23

All: -40.448+/-0.119 χ^2/NDF: 8372.0/49

- sign -40.844+/-0.166 χ^2/NDF: 3855.7/25

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 86.670+/-0.217 χ^2/NDF:1153.5/7

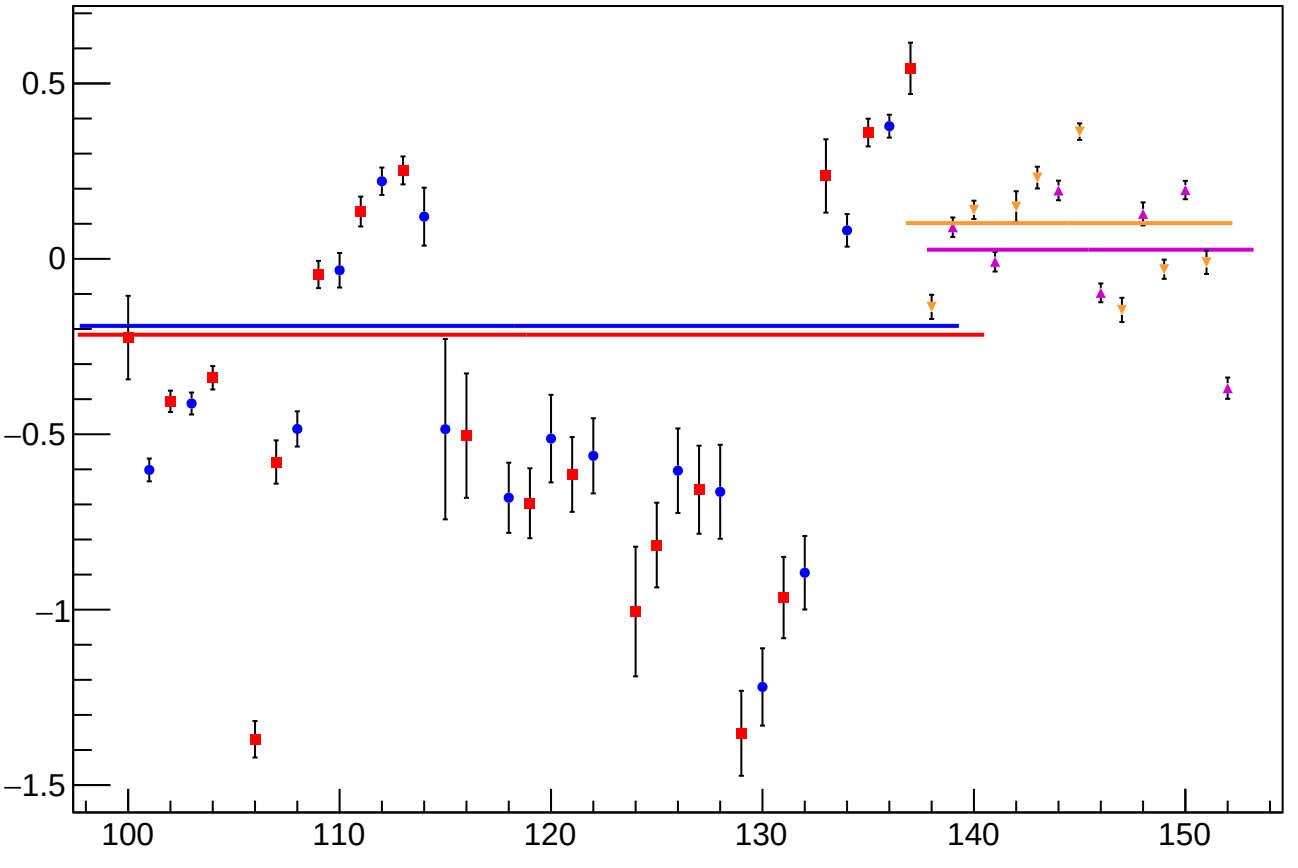
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 85.796+/-0.224 χ^2/NDF:736.5/6

+ sign 77.312+/-0.166 χ^2/NDF: 24195.6/23

All: 75.743+/-0.118 χ^2/NDF: 48576.6/49

- sign 74.171+/-0.166 χ^2/NDF: 24202.5/25



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.102+/-0.011 χ^2/NDF:276.9/7

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

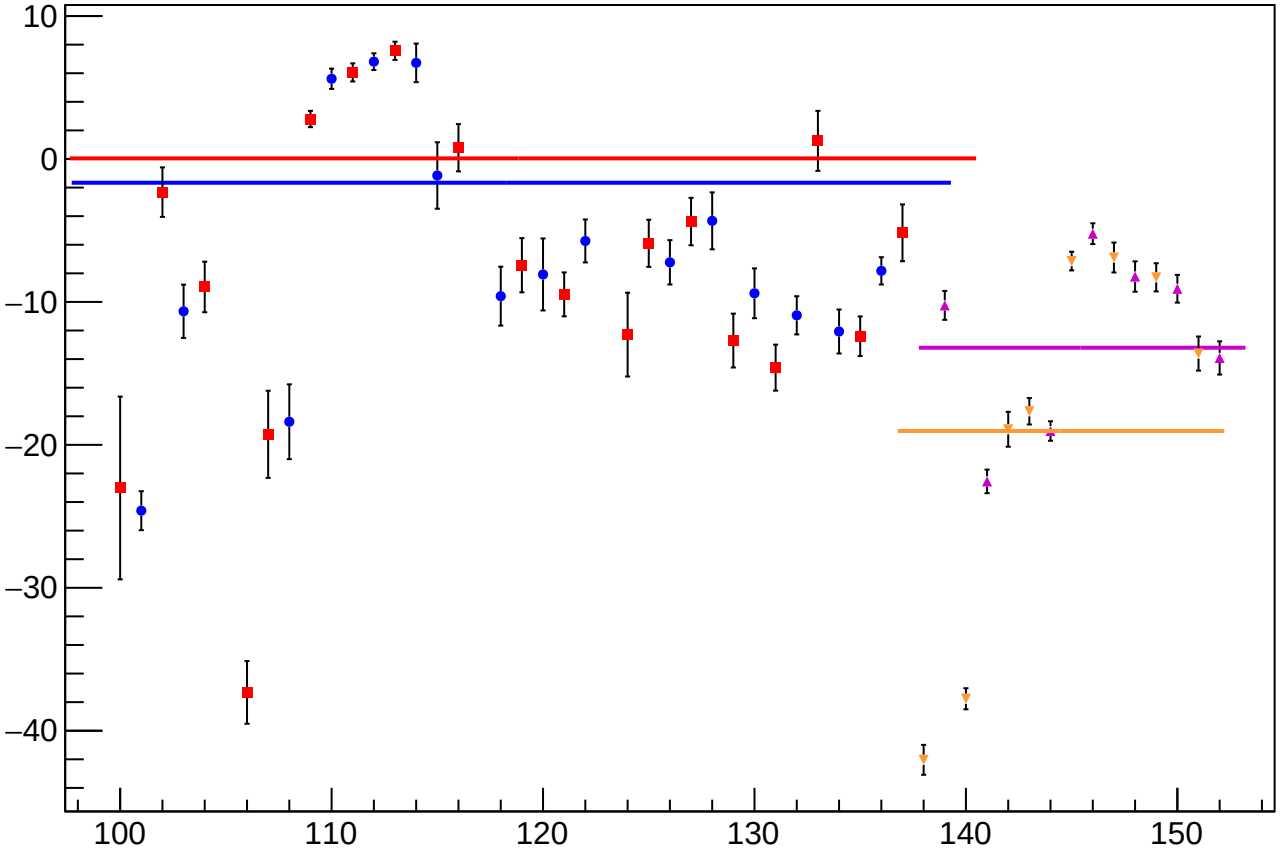
Left In: 0.026+/-0.011 χ^2/NDF:285.6/6

+ sign -0.012+/-0.008 χ^2/NDF: 1486.4/23

All: -0.042+/-0.006 χ^2/NDF: 3375.1/49

- sign -0.072+/-0.008 χ^2/NDF: 1862.0/25

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -19.029+/-0.323 χ^2/NDF:1737.1/7

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

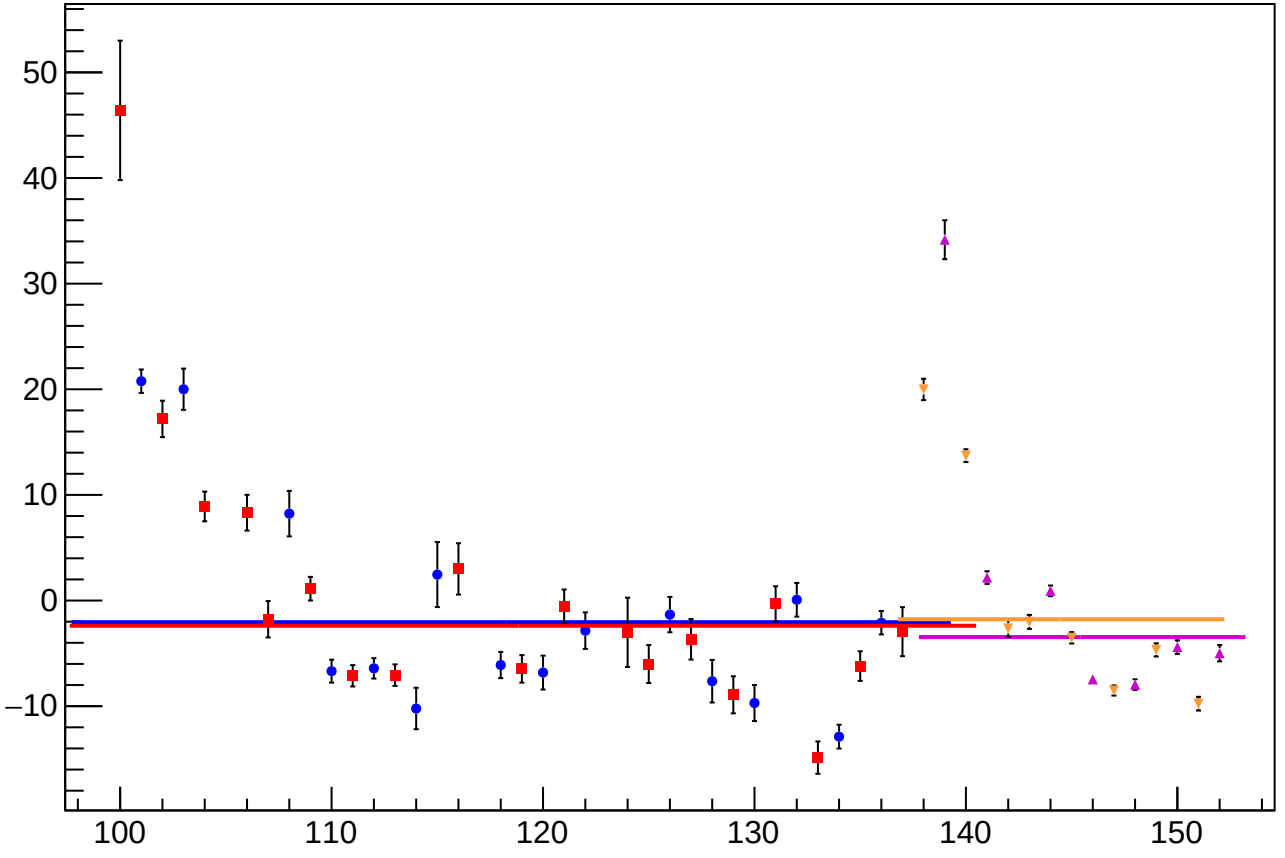
Left In: -13.204+/-0.330 χ^2/NDF:370.6/6

+ sign -9.935+/-0.223 χ^2/NDF: 4151.6/23

All: -7.653+/-0.155 χ^2/NDF: 6585.8/49

- sign -5.542+/-0.214 χ^2/NDF: 2232.5/25

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.772+/-0.223 χ^2/NDF:1490.9/7

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

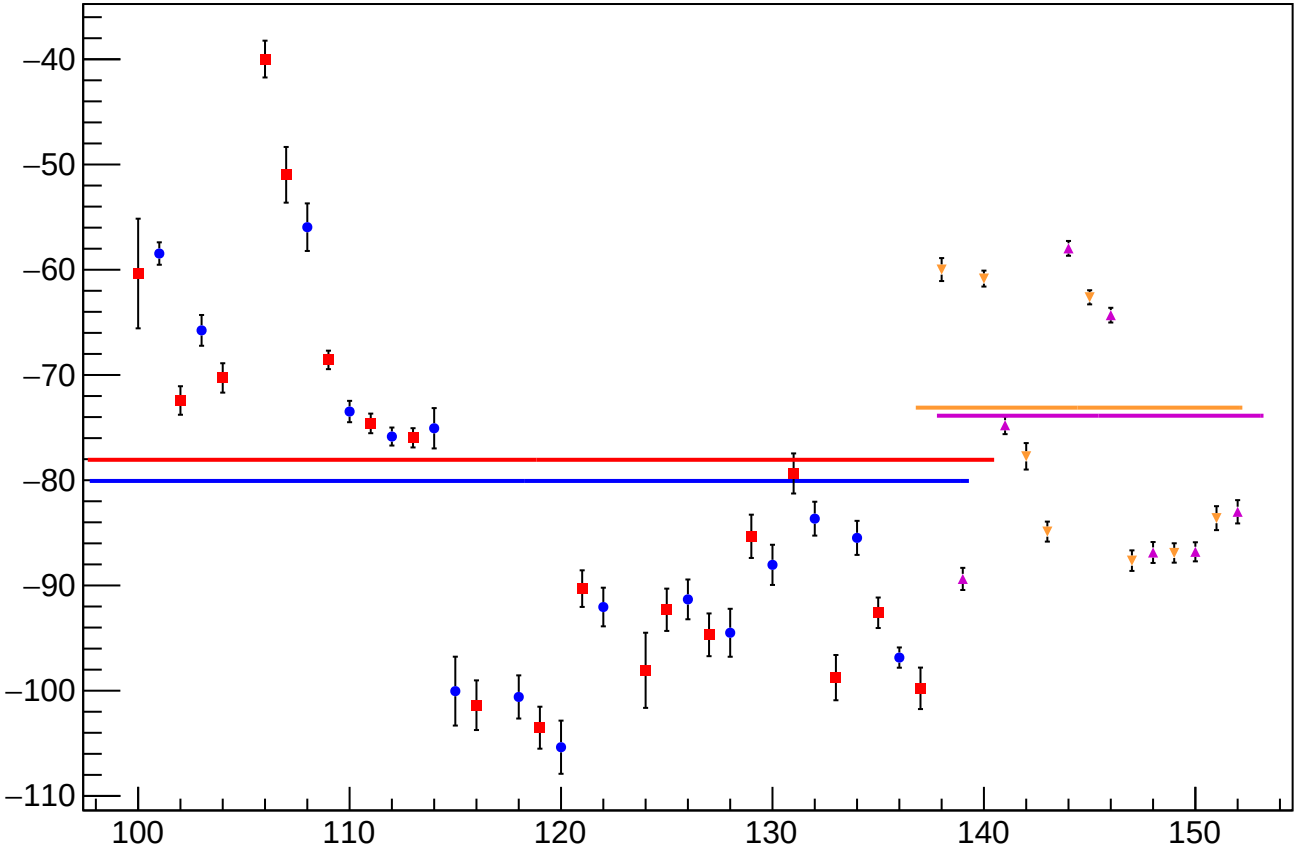
Left In: -3.458+/-0.222 χ^2/NDF:751.9/6

+ sign -1.850+/-0.189 χ^2/NDF: 2263.3/23

All: -2.506+/-0.133 χ^2/NDF: 3496.7/49

- sign -3.157+/-0.188 χ^2/NDF: 1209.4/25

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.104+/-0.324 χ^2/NDF:1349.1/7

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

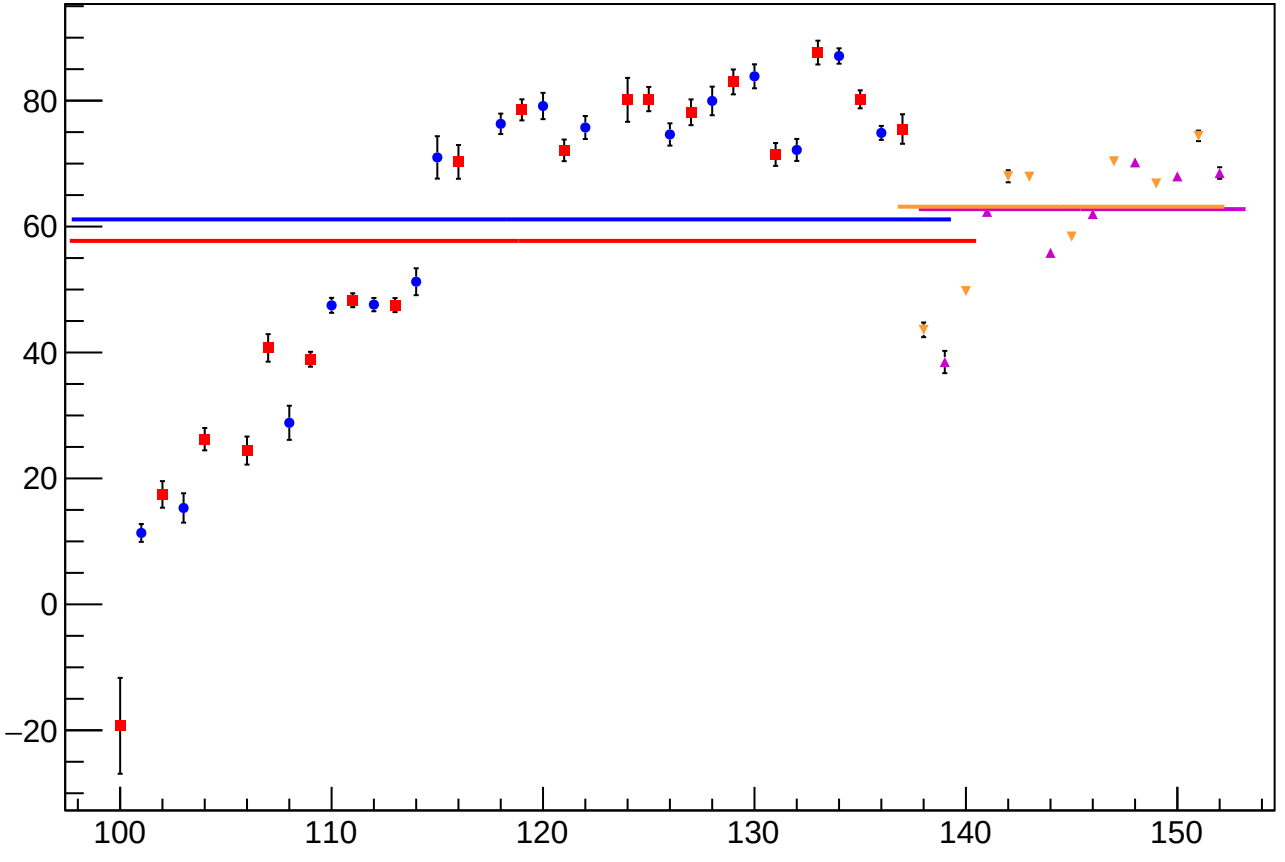
Left In: -73.871+/-0.326 χ^2/NDF:1357.7/6

\+ sign -76.177+/-0.242 χ^2/NDF: 2940.5/23

All: -75.985+/-0.170 χ^2/NDF: 5936.4/49

\- sign -75.796+/-0.240 χ^2/NDF: 2994.7/25

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 63.158+/-0.273 χ^2/NDF:1062.8/7

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

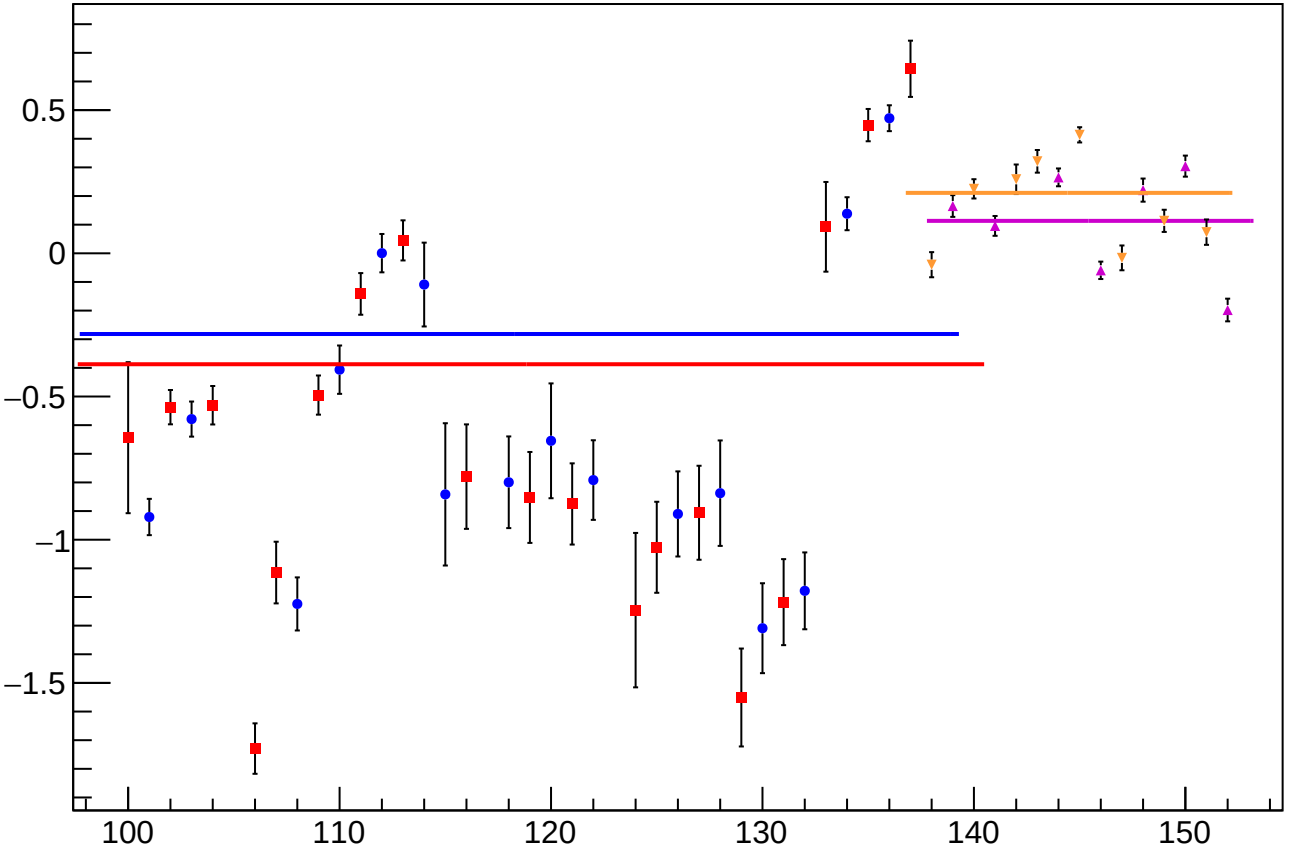
Left In: 62.770+/-0.272 χ^2/NDF:528.7/6

+ sign 62.517+/-0.226 χ^2/NDF: 4309.4/23

All: 61.846+/-0.159 χ^2/NDF: 7740.2/49

- sign 61.180+/-0.225 χ^2/NDF: 3413.1/25

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.211+/-0.013 χ^2/NDF:142.9/7

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

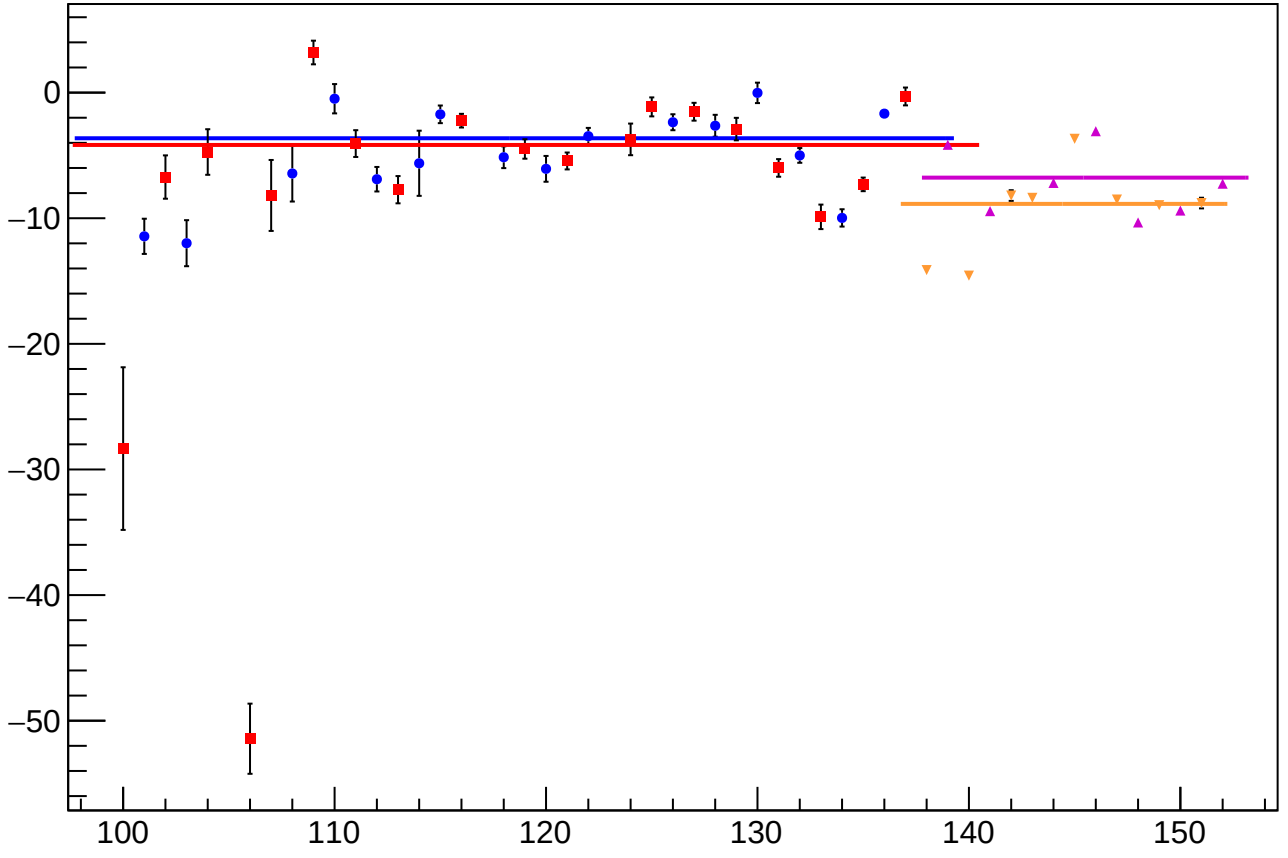
Left In: 0.113+/-0.013 χ^2/NDF:154.1/6

+ sign 0.074+/-0.011 χ^2/NDF: 1245.6/23

All: 0.026+/-0.008 χ^2/NDF: 2635.0/49

- sign -0.022+/-0.011 χ^2/NDF: 1354.1/25

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.859+/-0.112 χ^2/NDF:1267.0/7

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

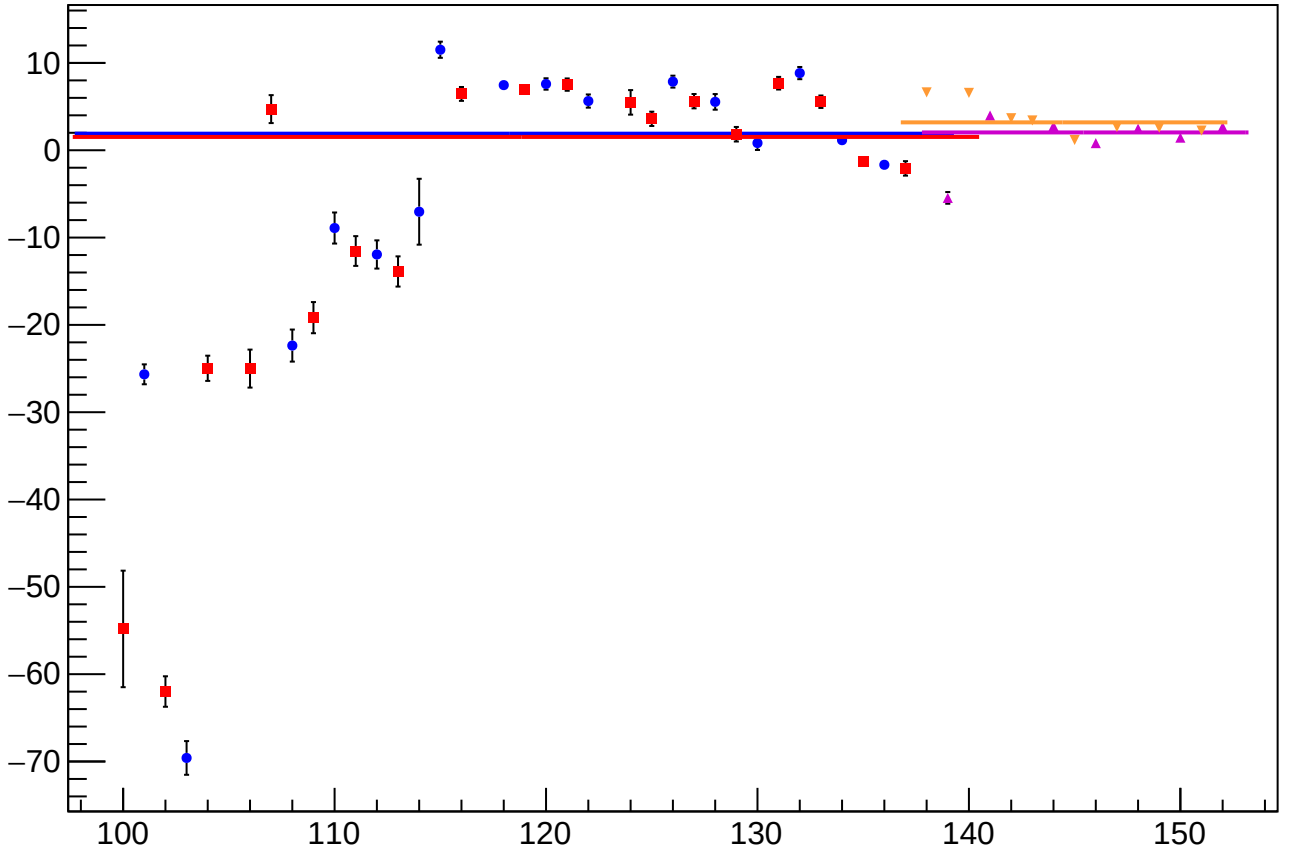
Left In: -6.769+/-0.113 χ^2/NDF:545.8/6

+ sign -7.499+/-0.096 χ^2/NDF: 2066.8/23

All: -6.831+/-0.069 χ^2/NDF: 3369.0/49

- sign -6.139+/-0.098 χ^2/NDF: 1204.5/25

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.193+/-0.078 χ^2/NDF:506.6/7

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

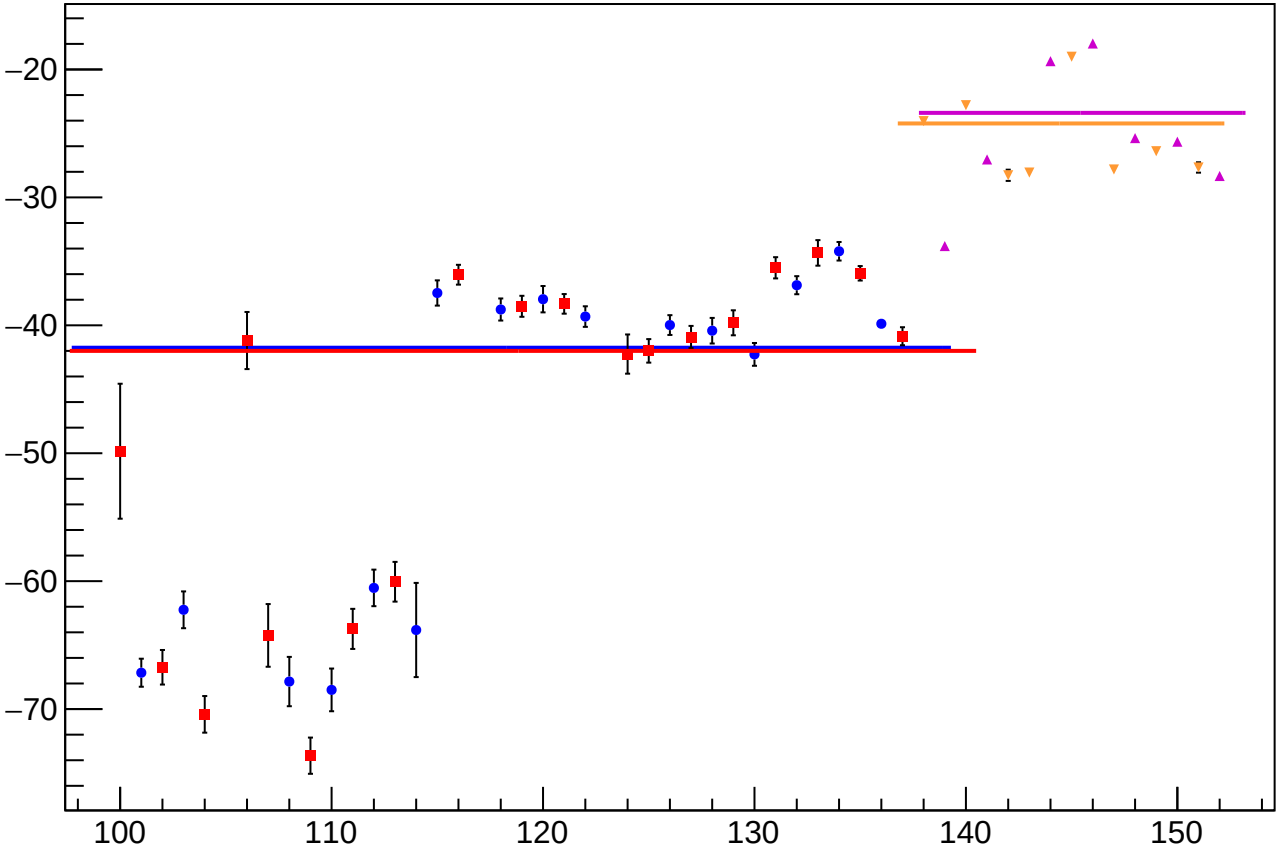
Left In: 2.041+/-0.075 χ^2/NDF:323.5/6

+ sign 3.005+/-0.072 χ^2/NDF: 3385.0/23

All: 2.484+/-0.050 χ^2/NDF: 6376.5/49

- sign 1.981+/-0.071 χ^2/NDF: 2888.7/25

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.220+/-0.113 χ^2/NDF:1027.6/7

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

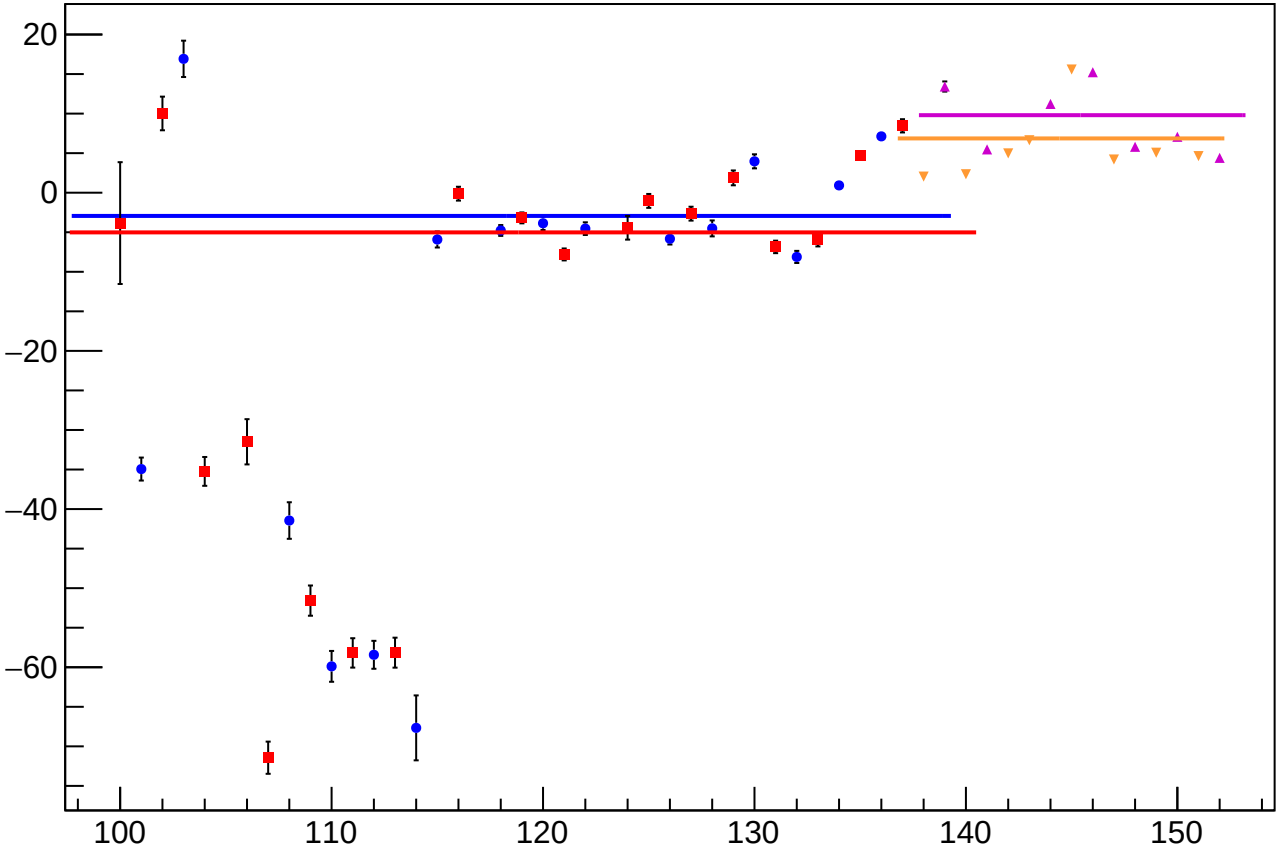
Left In: -23.391+/-0.111 χ^2/NDF:2026.3/6

+ sign -28.209+/-0.099 χ^2/NDF: 8168.6/23

All: -27.590+/-0.070 χ^2/NDF: 17629.5/49

- sign -26.960+/-0.100 χ^2/NDF: 9382.1/25

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.862+/-0.095 χ^2/NDF:2549.2/7

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

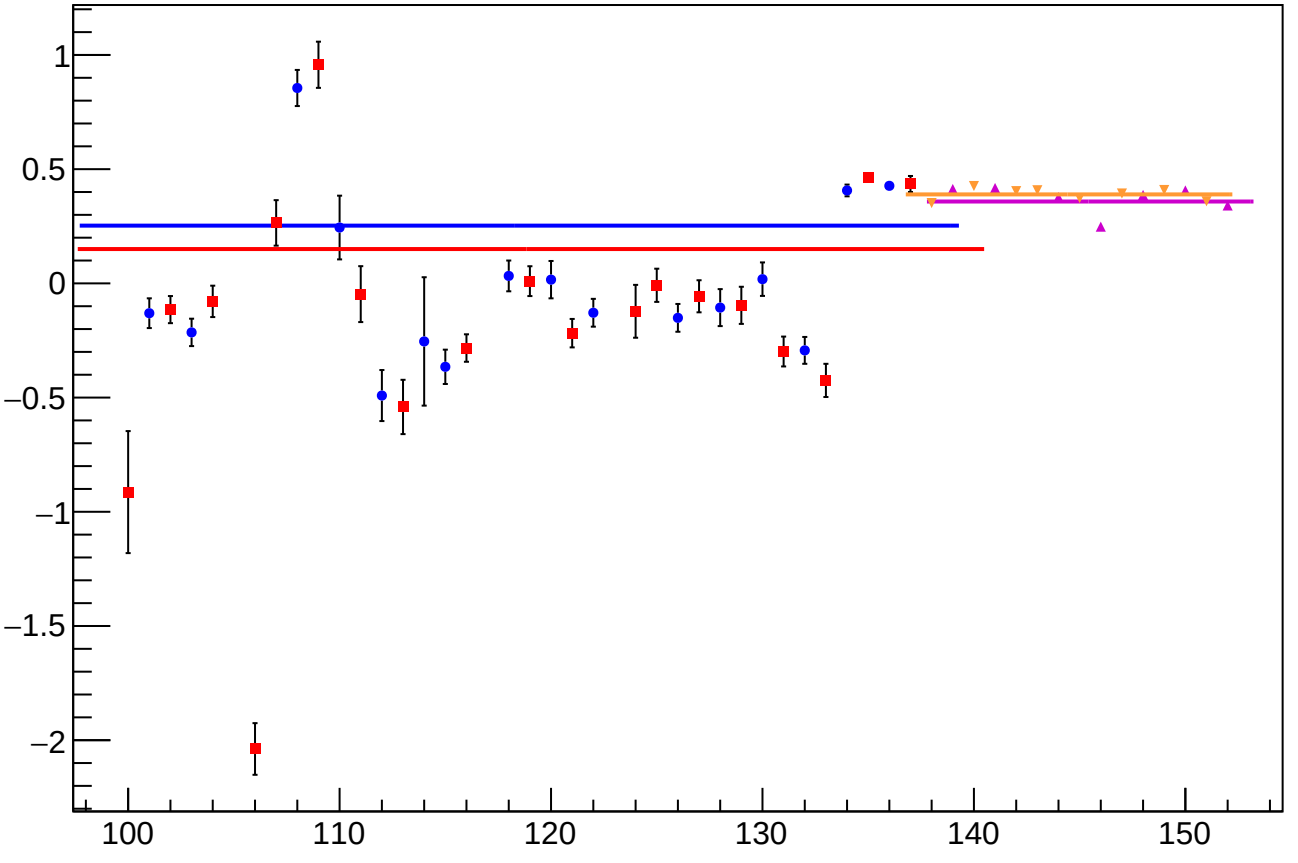
Left In: 9.801+/-0.092 χ^2/NDF:2028.7/6

+ sign 5.184+/-0.087 χ^2/NDF: 8084.7/23

All: 6.496+/-0.061 χ^2/NDF: 18471.2/49

- sign 7.776+/-0.086 χ^2/NDF: 9934.7/25

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.390+/-0.005 χ^2/NDF:27.0/7

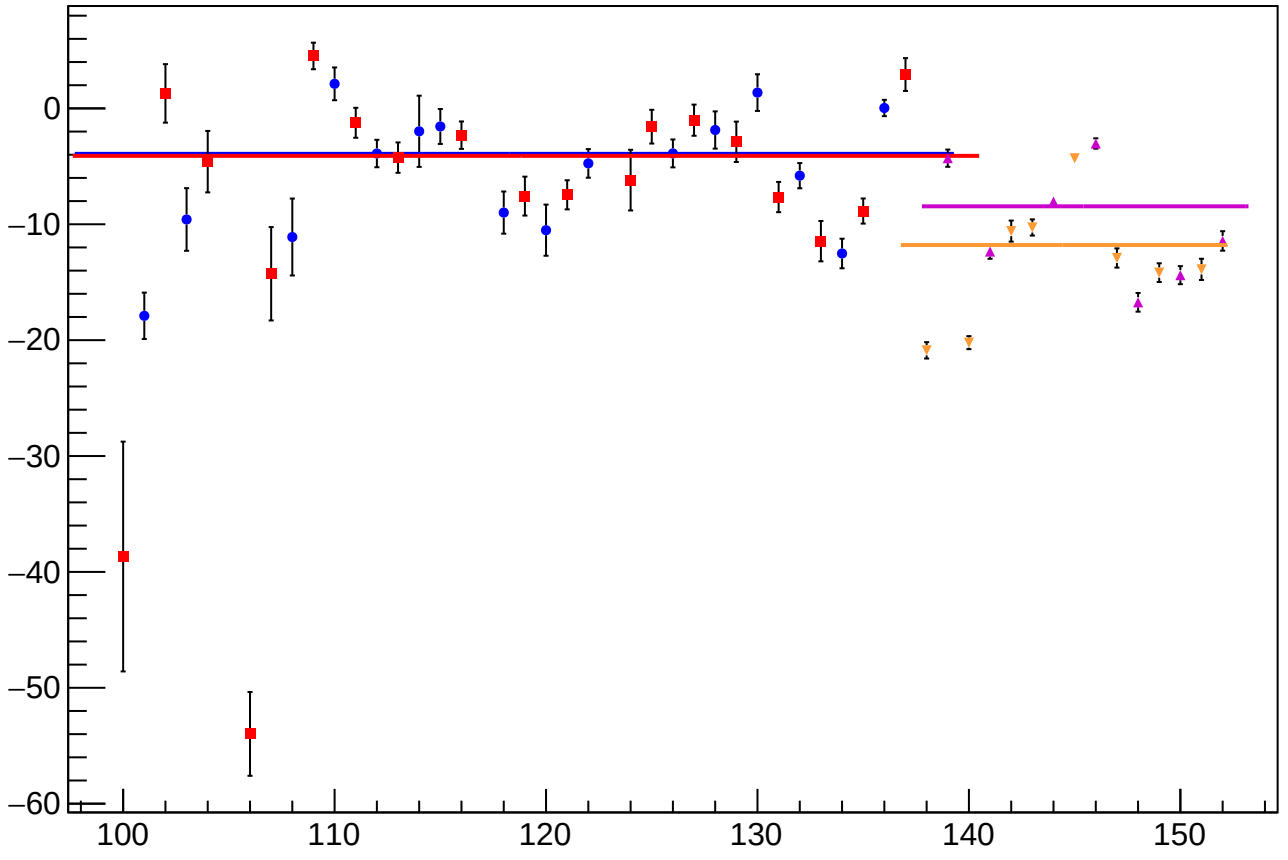
Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.358+/-0.005 χ^2/NDF:192.0/6

+ sign 0.370+/-0.004 χ^2/NDF: 779.8/23

All: 0.353+/-0.003 χ^2/NDF: 2237.2/49

- sign 0.337+/-0.004 χ^2/NDF: 1427.3/25



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.790+/-0.229 χ^2/NDF:774.4/7

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

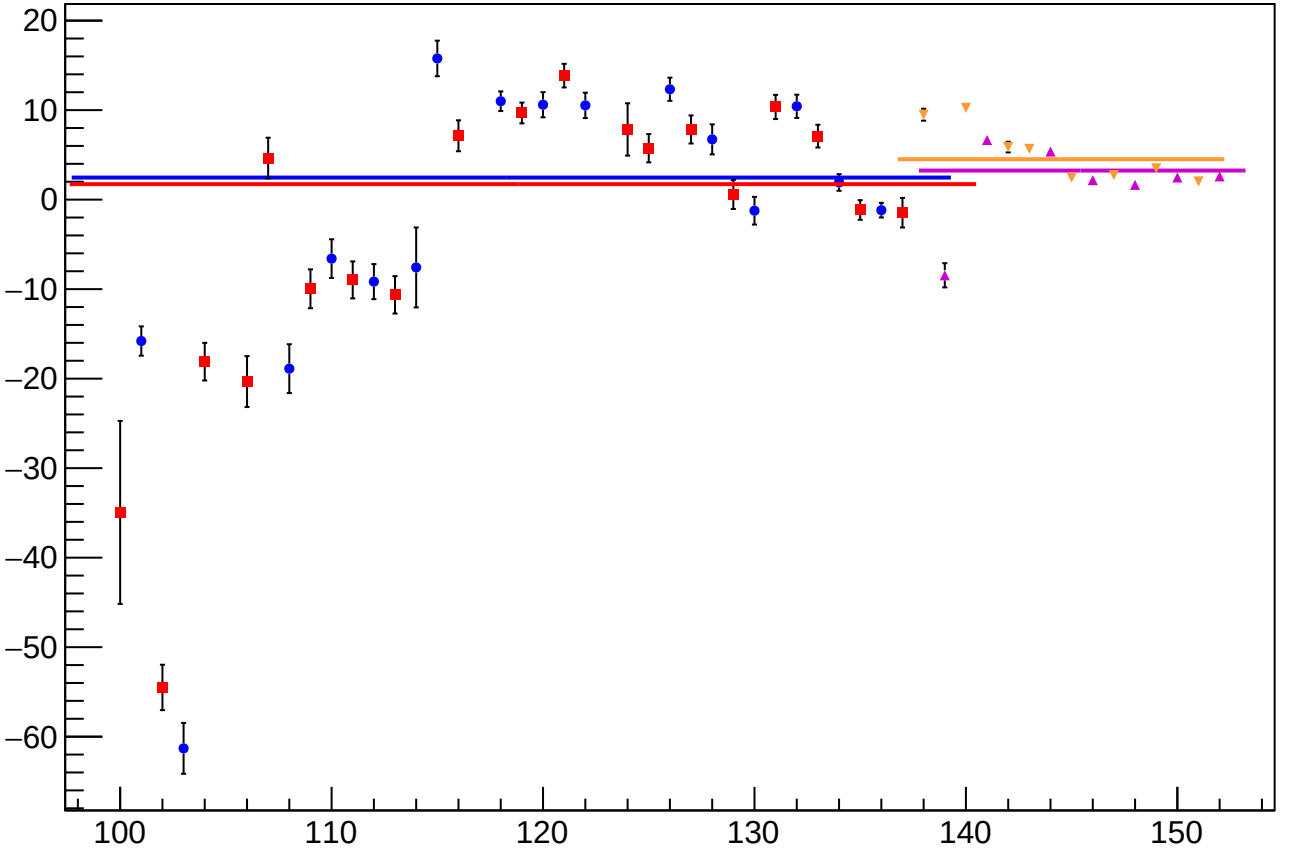
Left In: -8.451+/-0.227 χ^2/NDF:394.3/6

+ sign -9.395+/-0.191 χ^2/NDF: 1322.7/23

All: -8.299+/-0.135 χ^2/NDF: 2256.0/49

- sign -7.194+/-0.192 χ^2/NDF: 867.1/25

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.515+/-0.162 χ^2/NDF:313.3/7

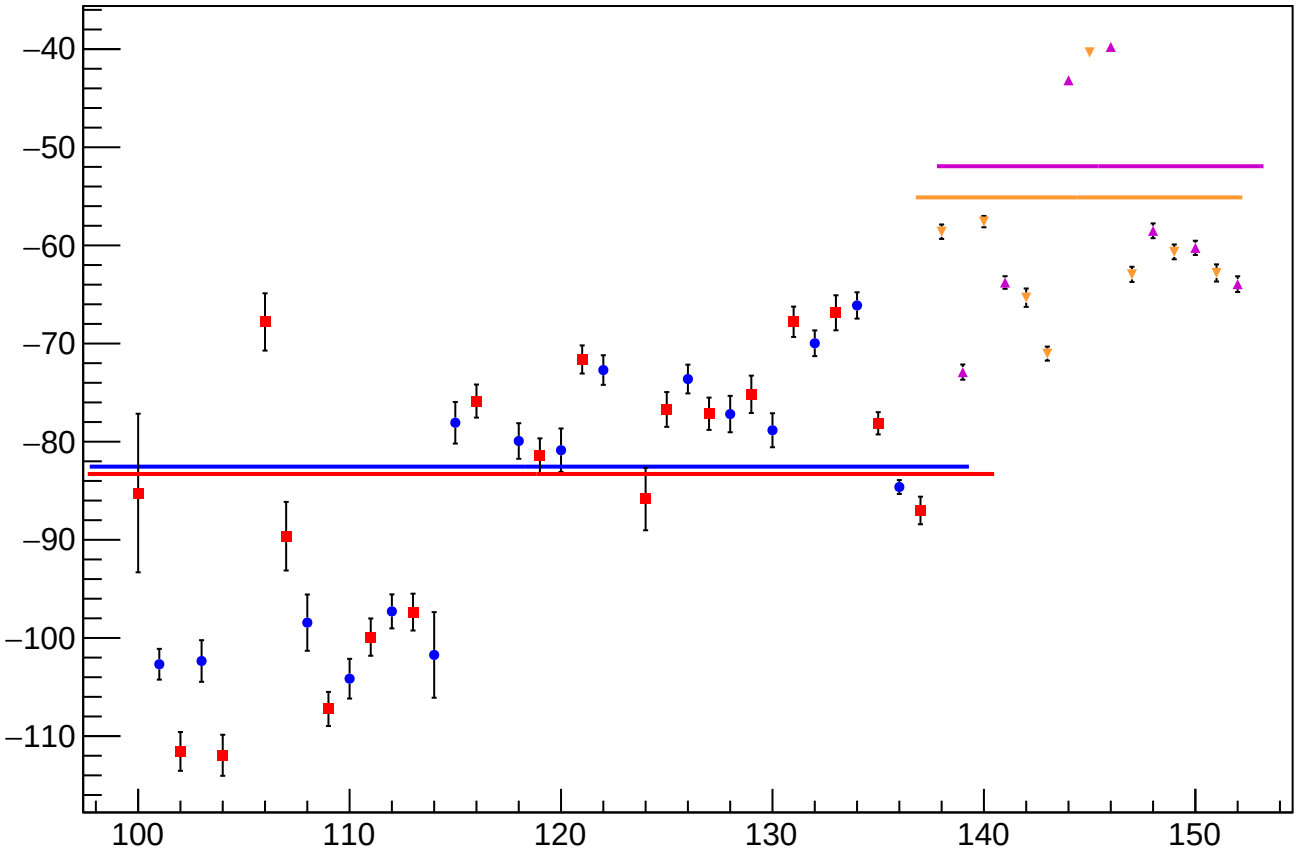
Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.249+/-0.152 χ^2/NDF:214.2/6

+ sign 4.166+/-0.147 χ^2/NDF: 1387.4/23

All: 3.582+/-0.102 χ^2/NDF: 2628.3/49

- sign 3.045+/-0.141 χ^2/NDF: 1210.7/25



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -55.109+/-0.231 χ^2/NDF:2209.3/7

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

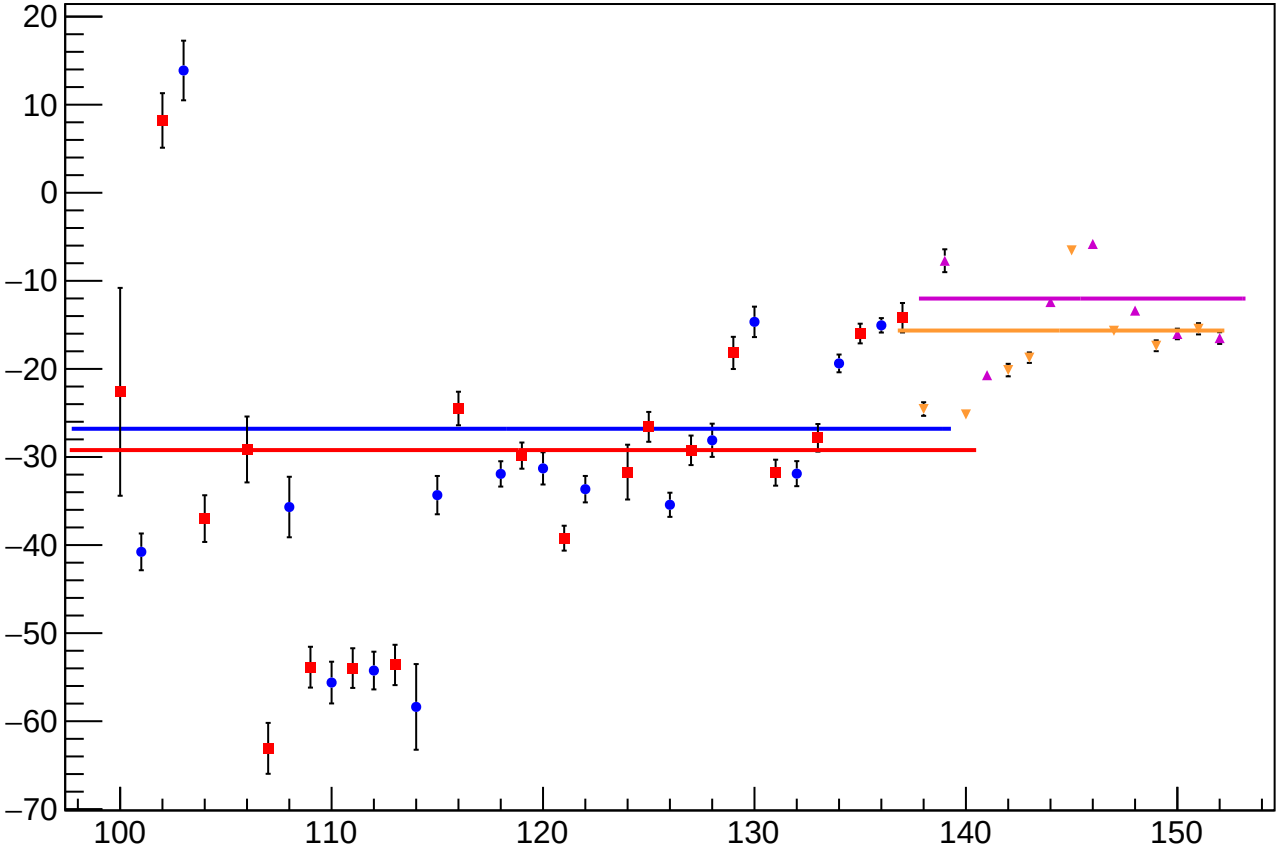
Left In: -51.932+/-0.225 χ^2/NDF:2690.8/6

\+ sign -62.394+/-0.198 χ^2/NDF: 6790.3/23

All: -60.731+/-0.140 χ^2/NDF: 15139.6/49

\- sign -59.074+/-0.198 χ^2/NDF: 8208.5/25

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.642+/-0.197 χ^2/NDF:1114.5/7

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

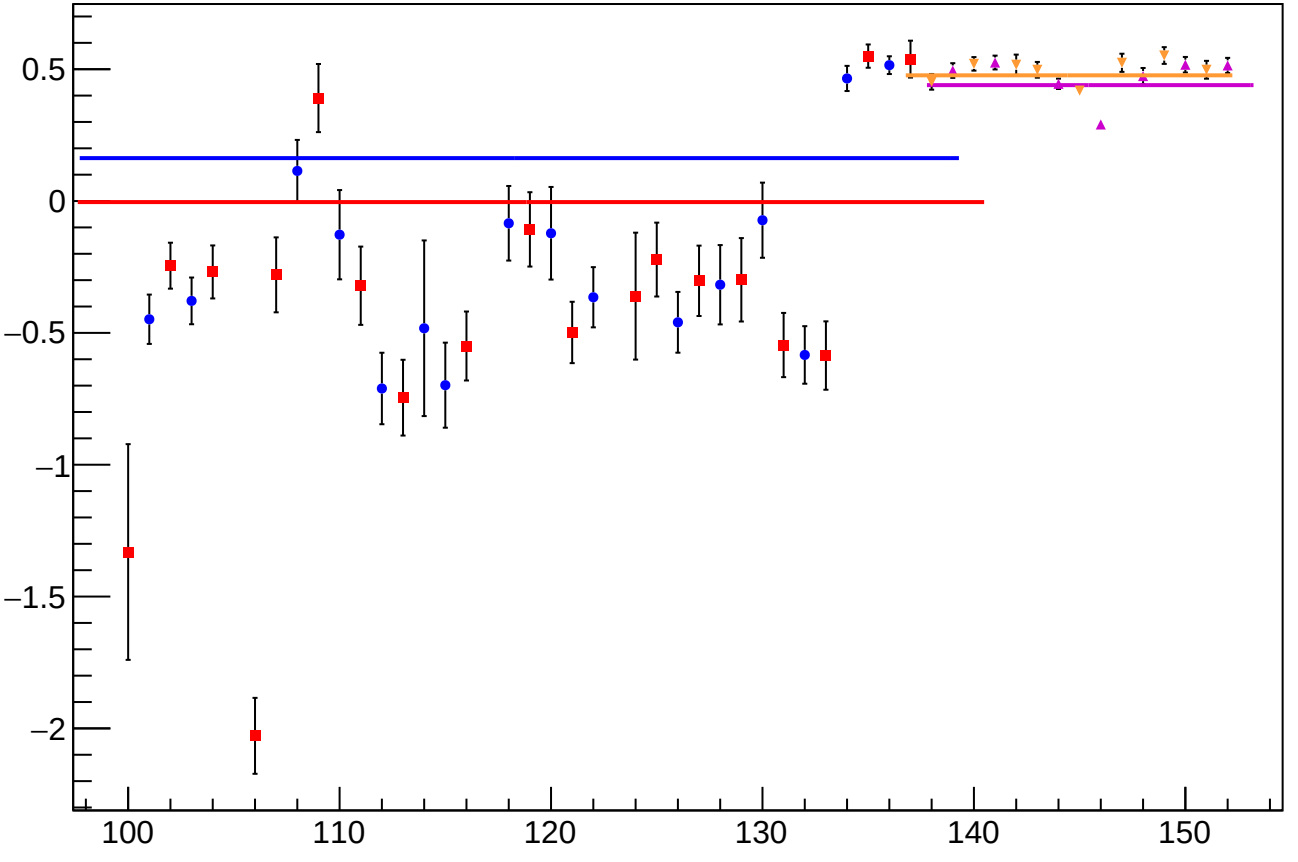
Left In: -12.012+/-0.186 χ^2/NDF:716.3/6

+ sign -17.853+/-0.176 χ^2/NDF: 2715.4/23

All: -16.236+/-0.123 χ^2/NDF: 5898.5/49

- sign -14.714+/-0.171 χ^2/NDF: 3019.4/25

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.477+/-0.010 χ^2/NDF:25.9/7

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

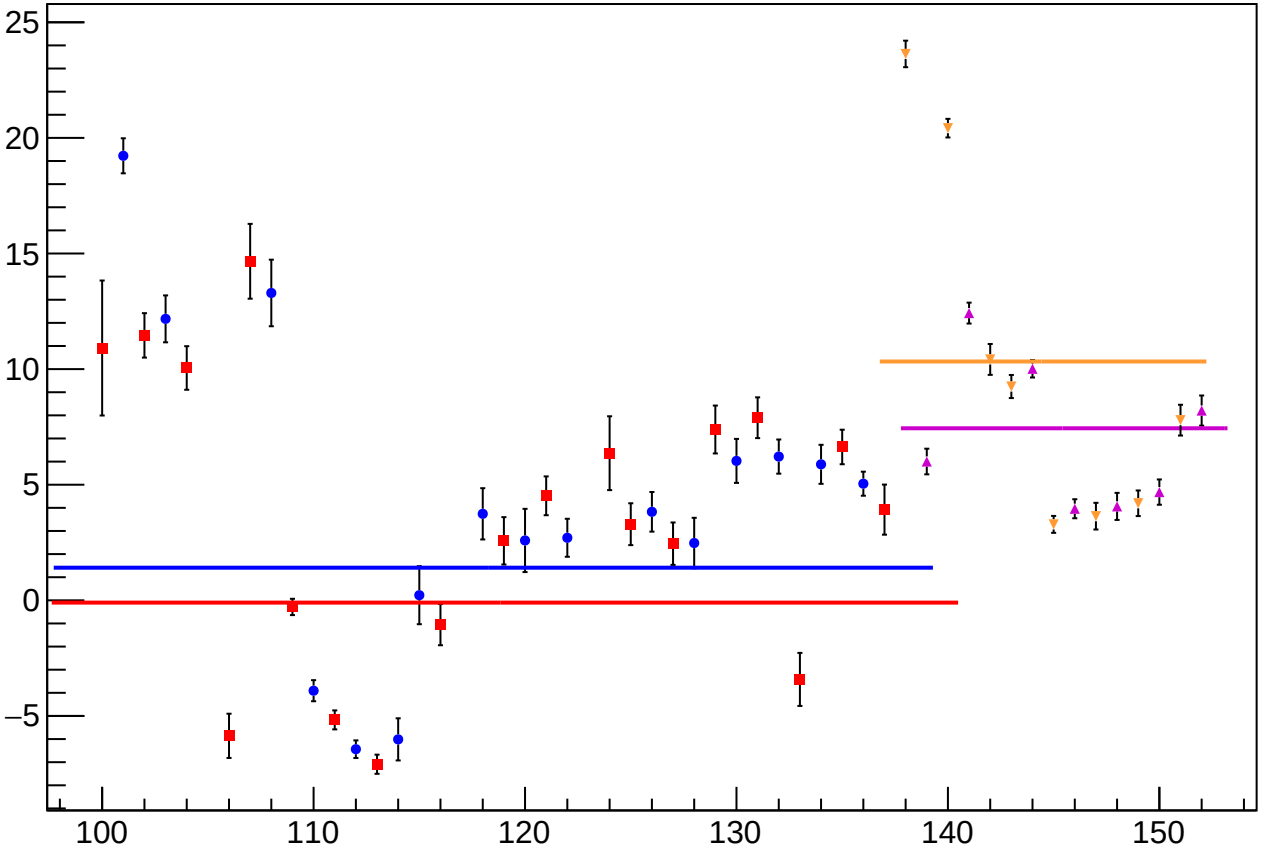
Left In: 0.440+/-0.009 χ^2/NDF:93.3/6

+ sign 0.425+/-0.009 χ^2/NDF: 628.1/23

All: 0.404+/-0.006 χ^2/NDF: 1594.4/49

- sign 0.384+/-0.009 χ^2/NDF: 955.2/25

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: 10.330+/-0.178 χ^2/NDF:1813.5/7

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

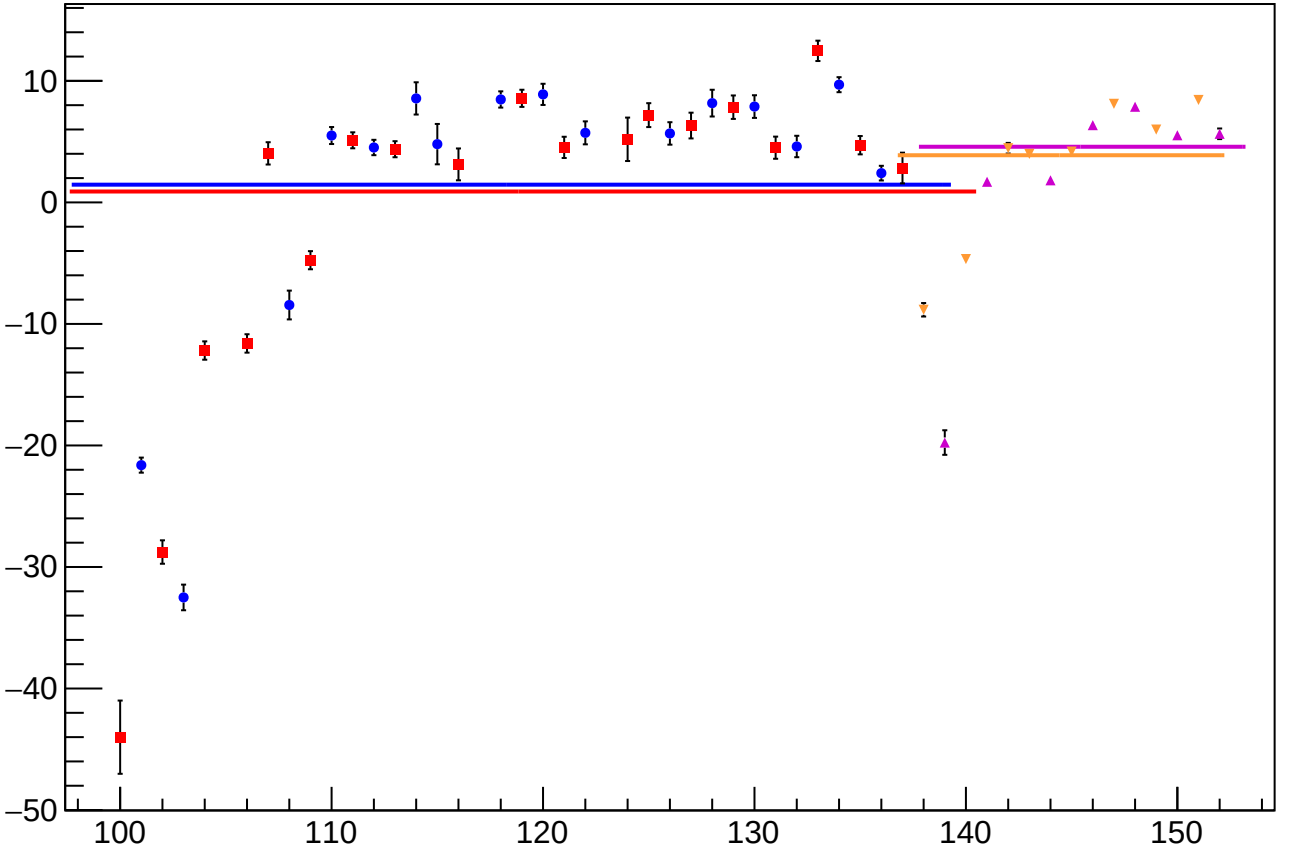
Left In: 7.441+/-0.183 χ^2/NDF:306.6/6

+ sign 5.990+/-0.128 χ^2/NDF: 4553.4/23

All: 4.615+/-0.089 χ^2/NDF: 7153.1/49

- sign 3.327+/-0.124 χ^2/NDF: 2375.3/25

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.880+/-0.123 χ^2/NDF:1636.4/7

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

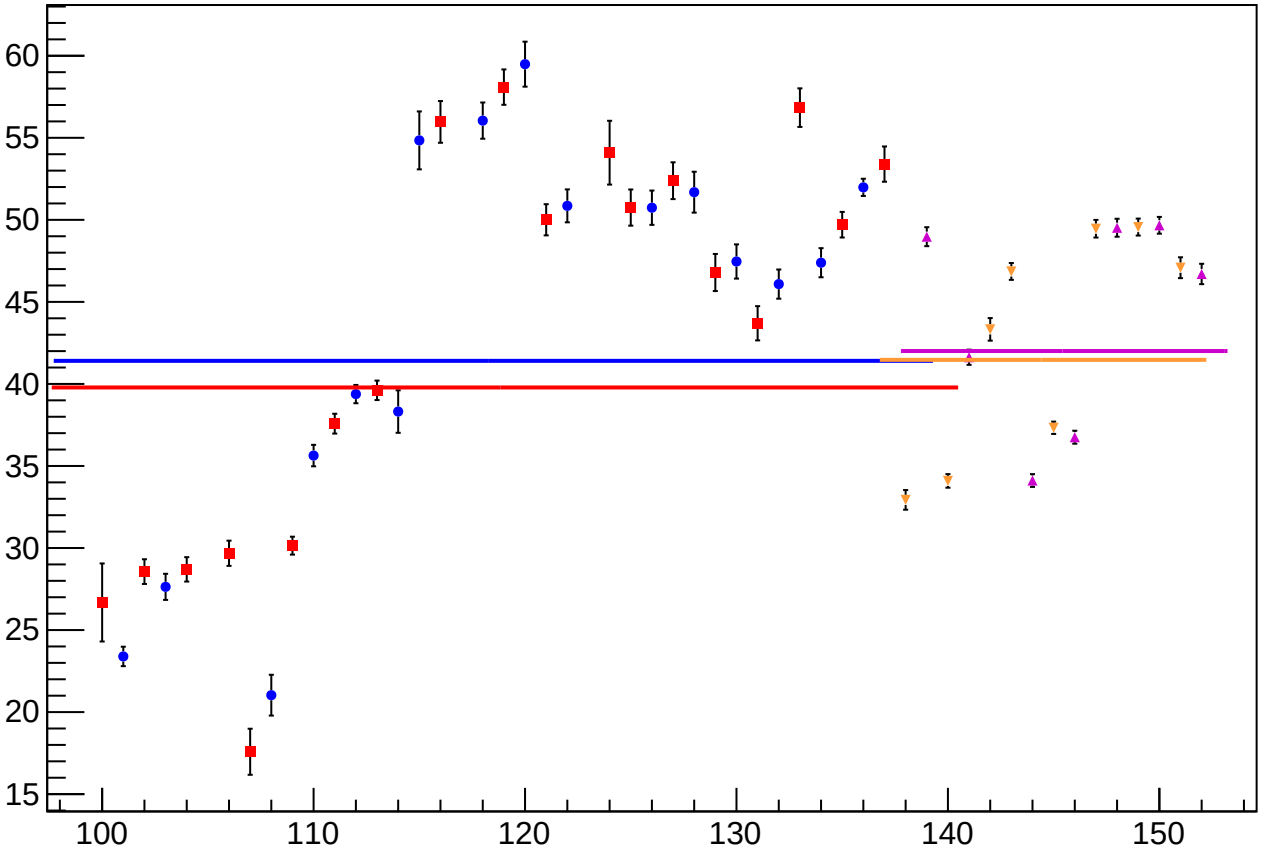
Left In: 4.579+/-0.123 χ^2/NDF:962.9/6

+ sign 3.232+/-0.105 χ^2/NDF: 4820.4/23

All: 3.409+/-0.074 χ^2/NDF: 8408.6/49

- sign 3.584+/-0.105 χ^2/NDF: 3582.6/25

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 41.468+/-0.179 χ^2/NDF:1303.2/7

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

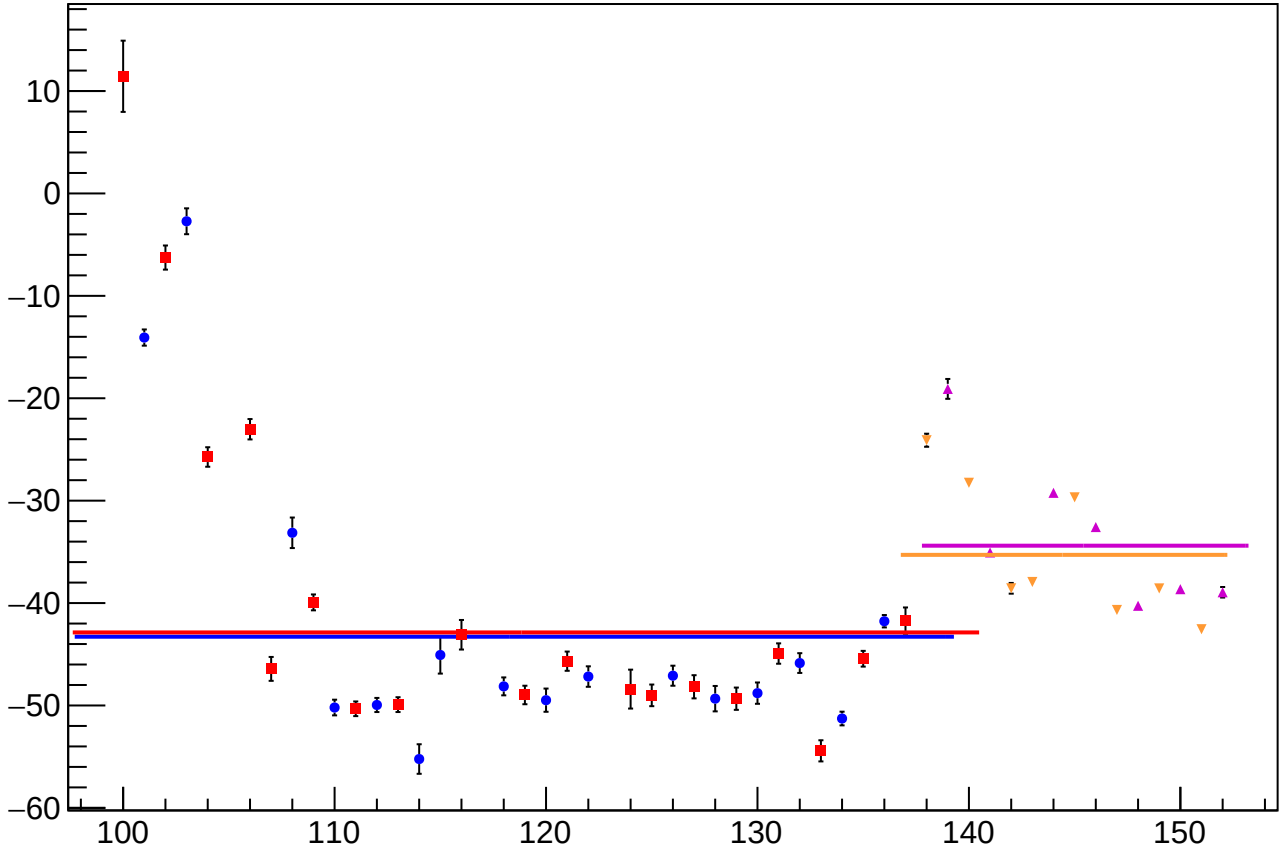
Left In: 42.005+/-0.181 χ^2/NDF:1205.5/6

+ sign 41.442+/-0.136 χ^2/NDF: 4049.3/23

All: 41.229+/-0.096 χ^2/NDF: 7980.1/49

- sign 41.019+/-0.135 χ^2/NDF: 3925.9/25

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -35.293+/-0.151 χ^2/NDF:1480.9/7

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

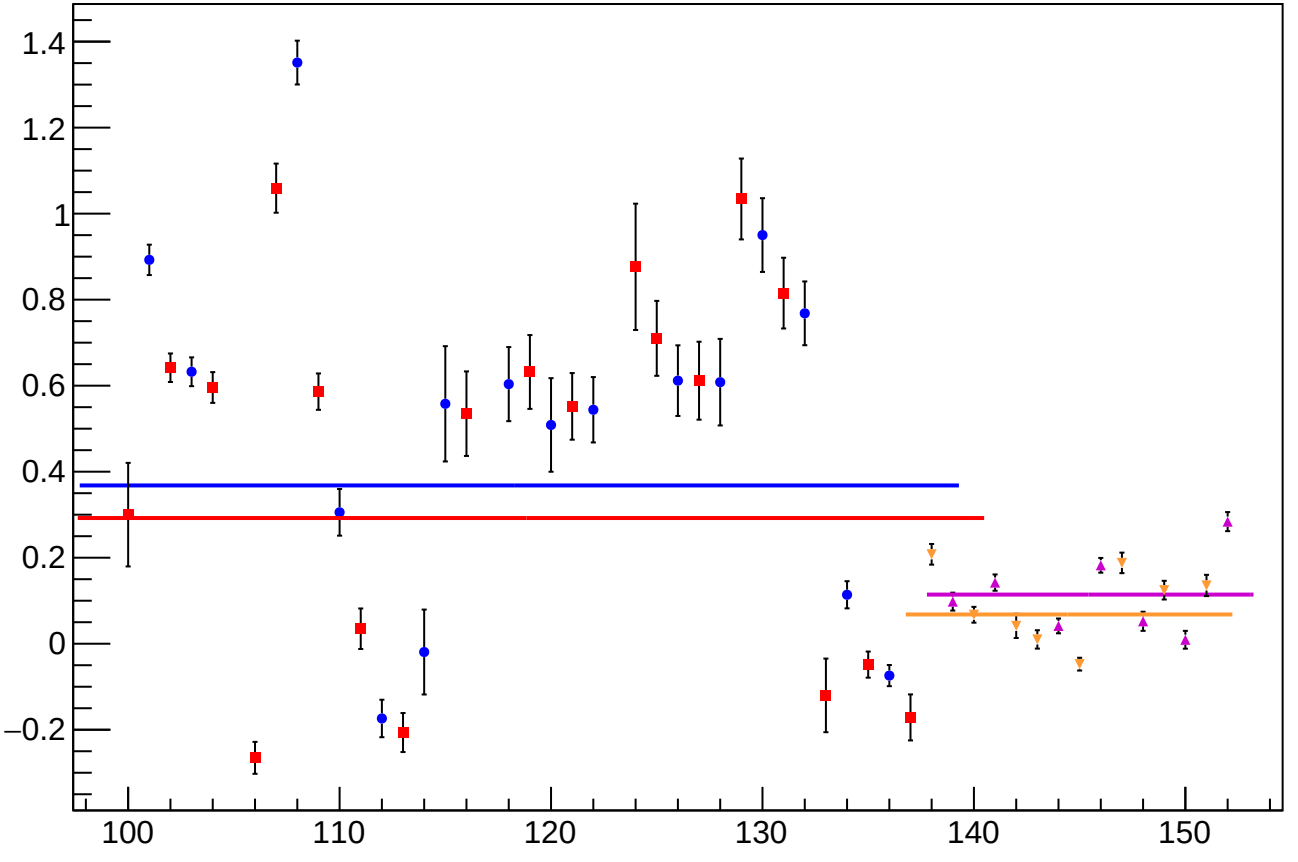
Left In: -34.397+/-0.151 χ^2/NDF:949.0/6

+ sign -37.705+/-0.126 χ^2/NDF: 5314.1/23

All: -37.331+/-0.089 χ^2/NDF: 9689.2/49

- sign -36.958+/-0.126 χ^2/NDF: 4357.5/25

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: 0.068+/-0.007 χ^2/NDF:141.7/7

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

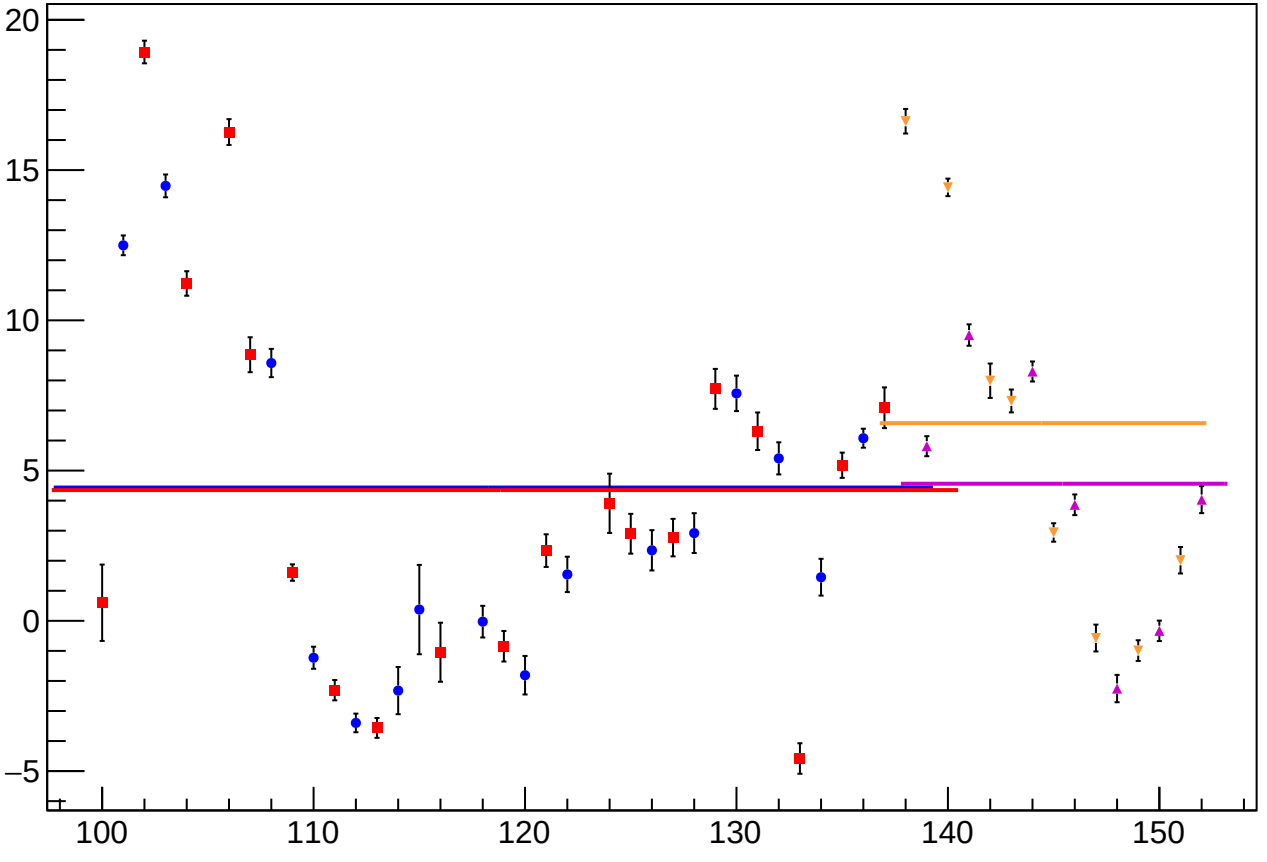
Left In: 0.114+/-0.007 χ^2/NDF:128.5/6

+ sign 0.149+/-0.006 χ^2/NDF: 1903.7/23

All: 0.156+/-0.004 χ^2/NDF: 3391.2/49

- sign 0.163+/-0.006 χ^2/NDF: 1485.2/25

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: 6.579+/-0.133 χ^2/NDF:2326.3/7

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

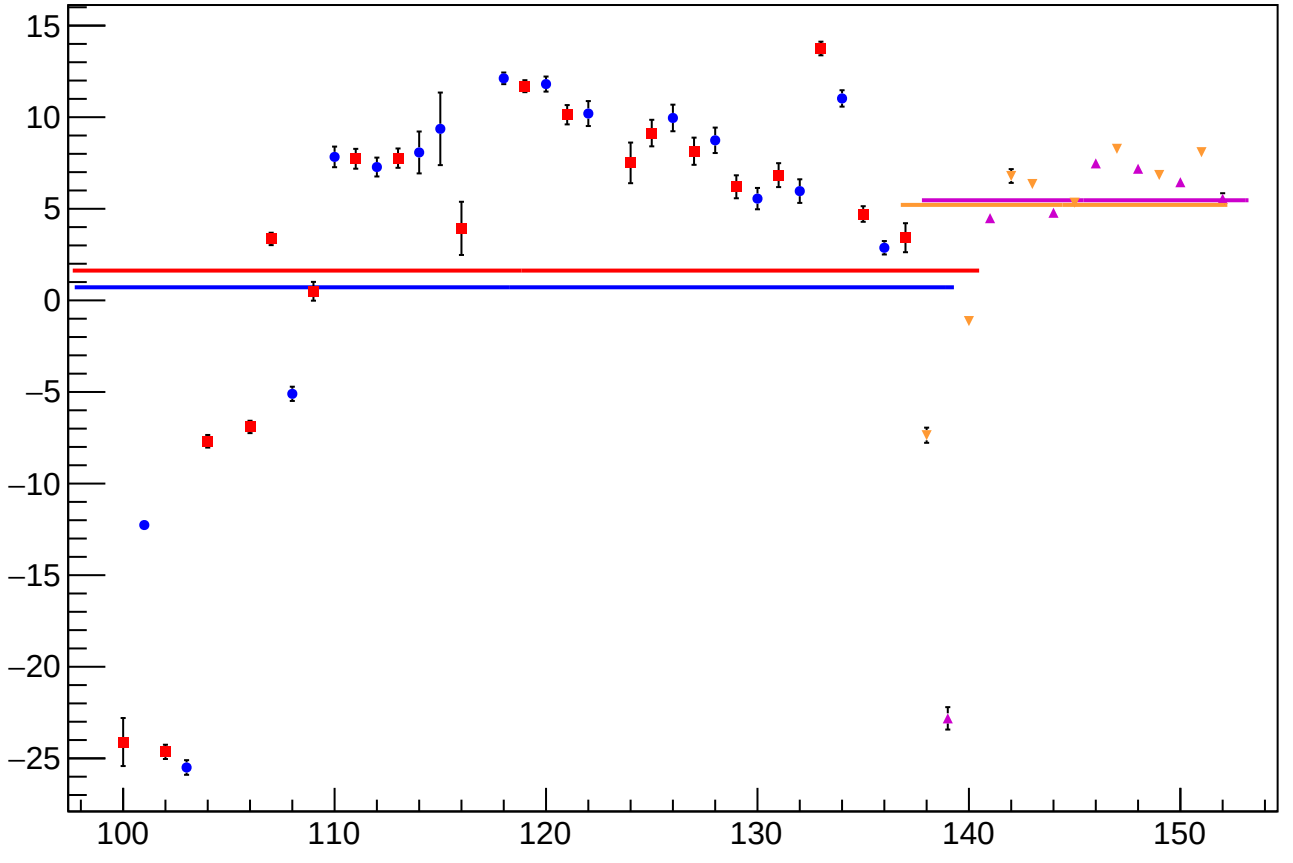
Left In: 4.562+/-0.138 χ^2/NDF:768.7/6

+ sign 5.374+/-0.088 χ^2/NDF: 5095.6/23

All: 4.891+/-0.061 χ^2/NDF: 10130.1/49

- sign 4.432+/-0.086 χ^2/NDF: 4975.5/25

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 5.213+/-0.092 χ^2/NDF:2036.8/7

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

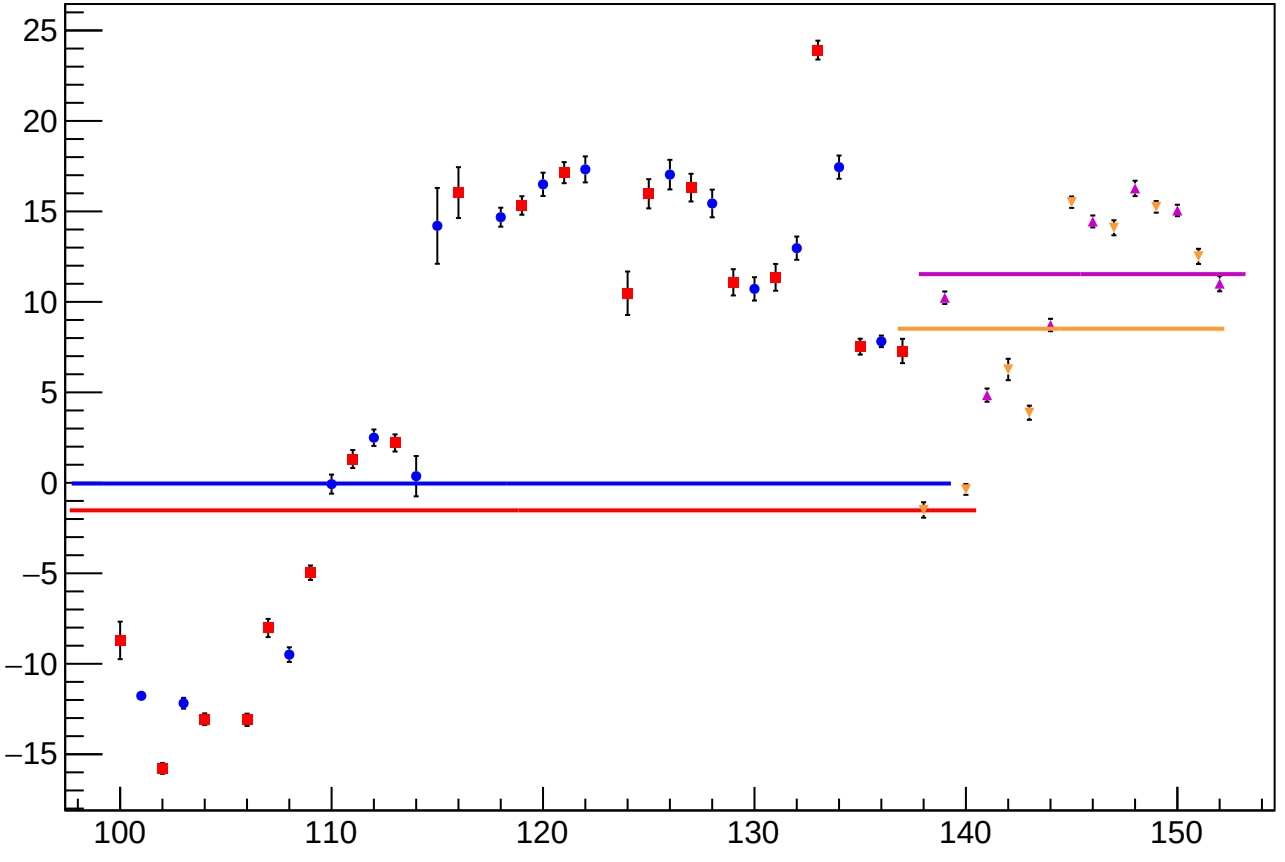
Left In: 5.466+/-0.097 χ^2/NDF:2330.1/6

+ sign 3.474+/-0.072 χ^2/NDF: 13414.3/23

All: 3.641+/-0.051 χ^2/NDF: 25690.8/49

- sign 3.811+/-0.073 χ^2/NDF: 12265.7/25

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: 8.514+/-0.132 χ^2/NDF:2785.2/7

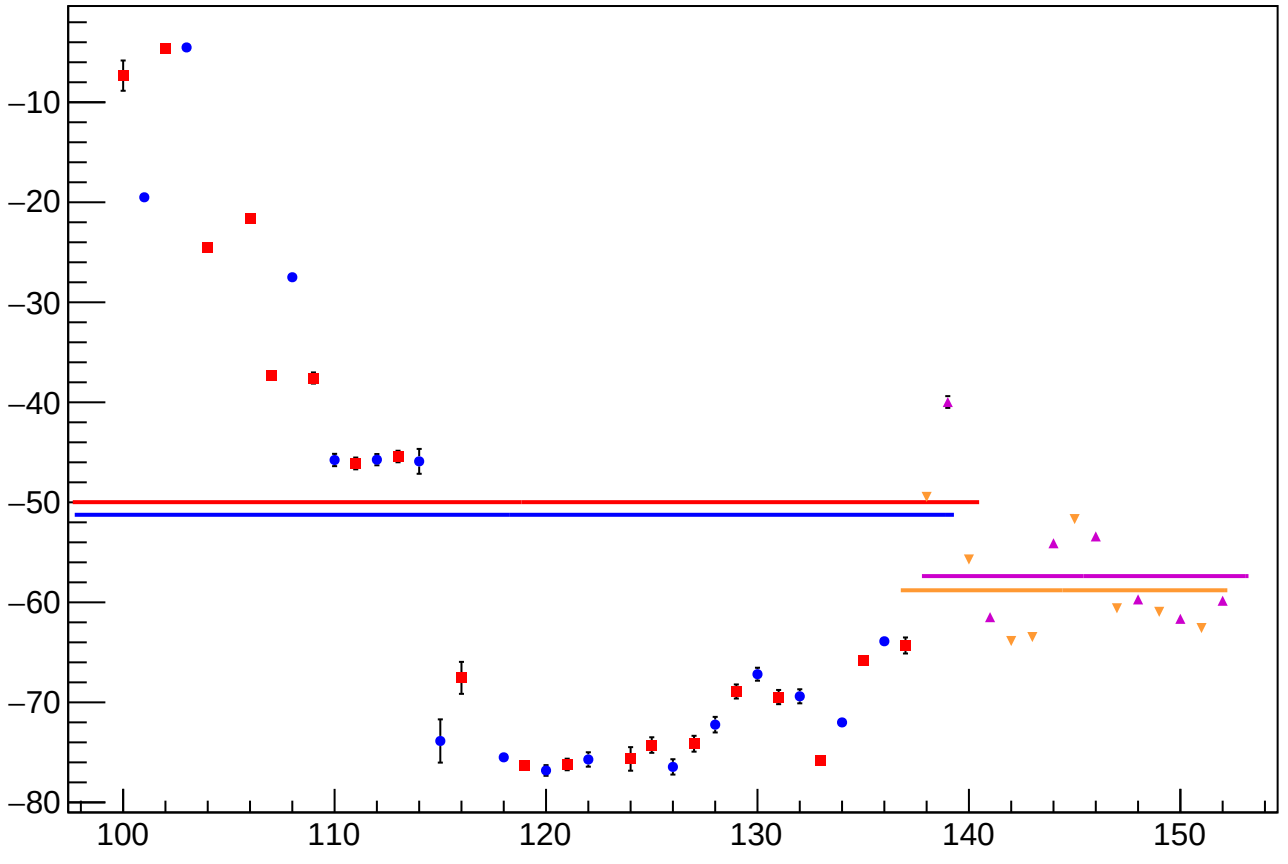
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 11.535+/-0.136 χ^2/NDF:739.4/6

+ sign 3.803+/-0.089 χ^2/NDF: 14365.2/23

All: 3.871+/-0.062 χ^2/NDF: 32616.2/49

- sign 3.937+/-0.088 χ^2/NDF: 18249.8/25



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.794+/-0.112 χ^2/NDF:1683.8/7

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

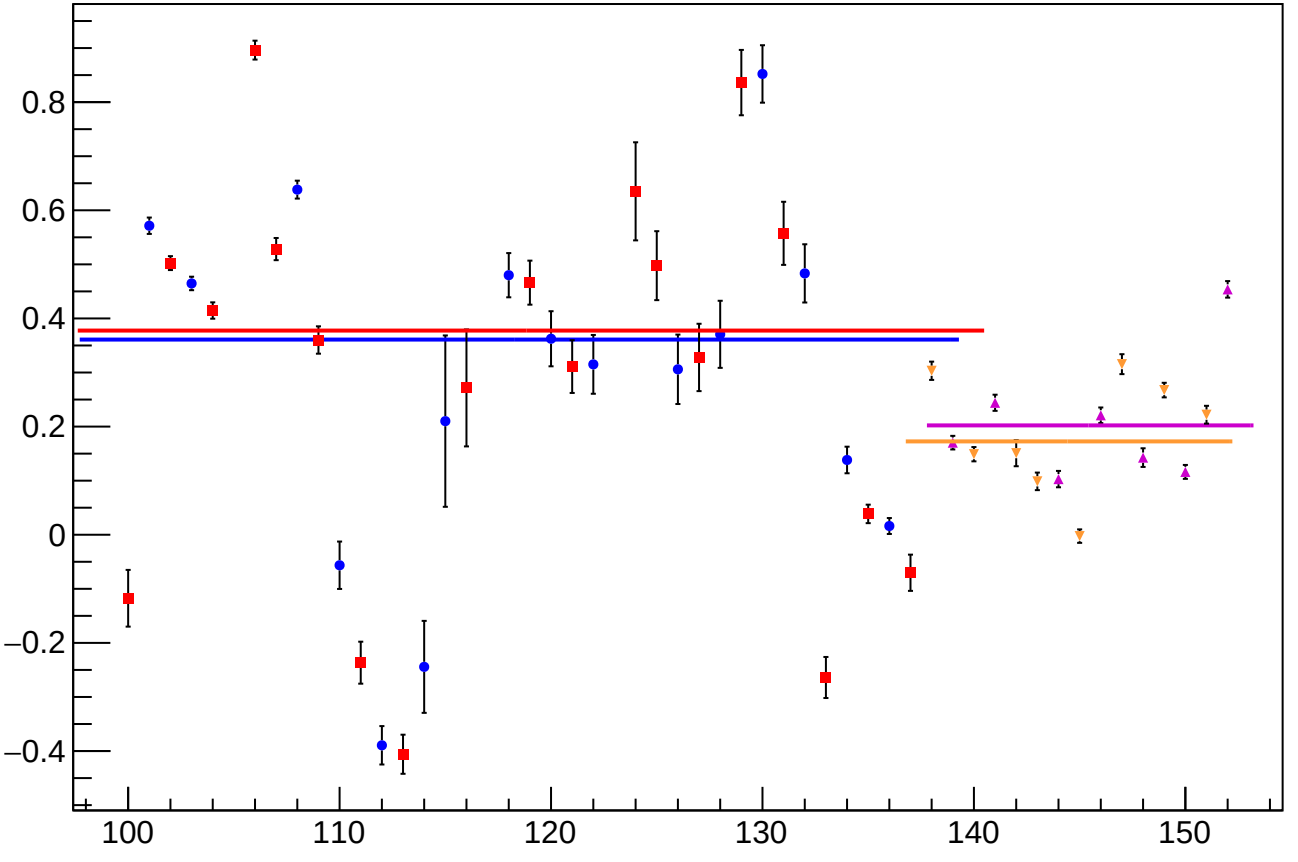
Left In: -57.375+/-0.117 χ^2/NDF:1782.1/6

+ sign -55.725+/-0.087 χ^2/NDF: 37283.1/23

All: -54.912+/-0.061 χ^2/NDF: 74912.5/49

- sign -54.090+/-0.087 χ^2/NDF: 37452.2/25

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: 0.173+/-0.005 χ^2/NDF:400.4/7

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

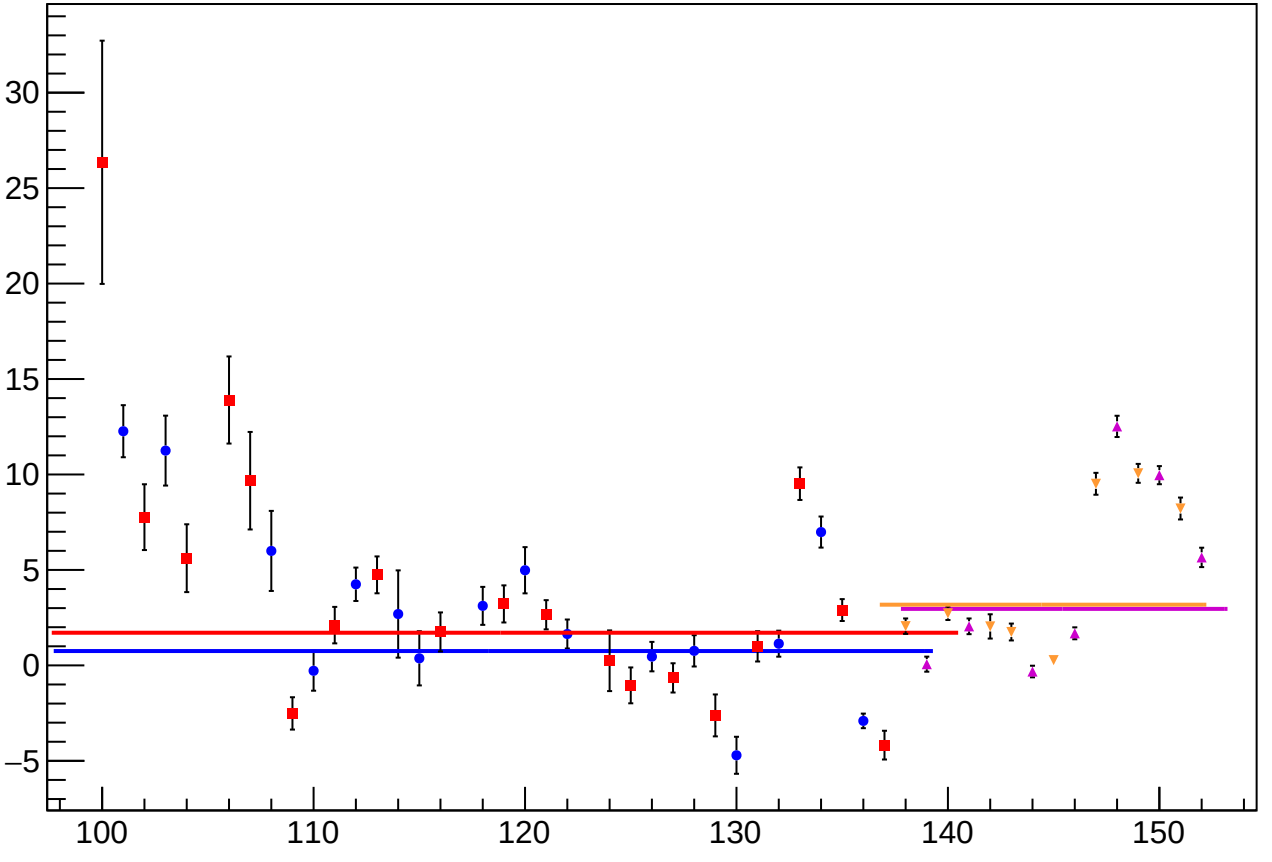
Left In: 0.202+/-0.005 χ^2/NDF:386.3/6

\+ sign 0.253+/-0.004 χ^2/NDF: 2763.2/23

All: 0.267+/-0.003 χ^2/NDF: 6420.0/49

\- sign 0.280+/-0.004 χ^2/NDF: 3635.0/25

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 3.180+/-0.147 χ^2/NDF:536.6/7

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

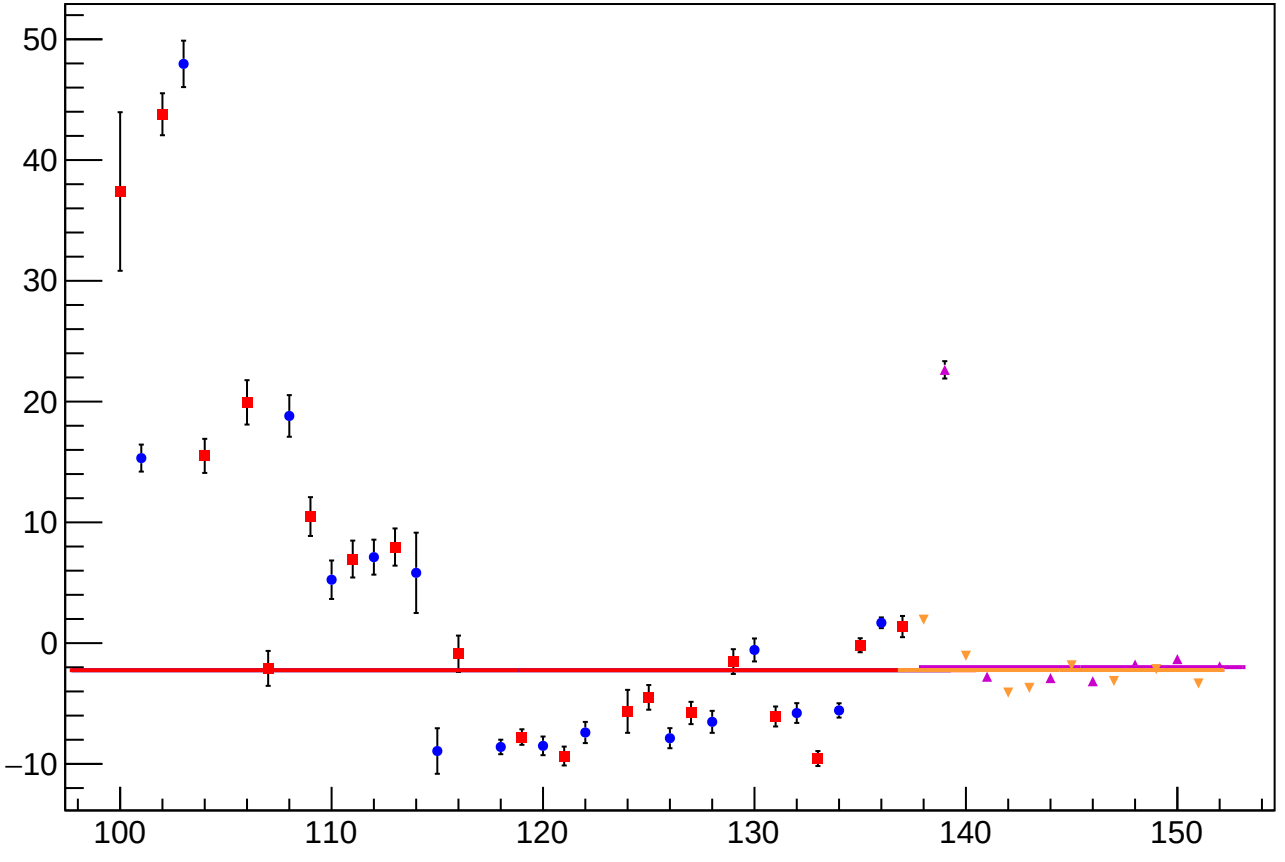
Left In: 2.960+/-0.149 χ^2/NDF:732.5/6

\+ sign 2.395+/-0.121 χ^2/NDF: 955.1/23

All: 2.481+/-0.087 χ^2/NDF: 2004.3/49

\- sign 2.573+/-0.124 χ^2/NDF: 1048.1/25

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.226+/-0.105 χ^2/NDF:196.7/7

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

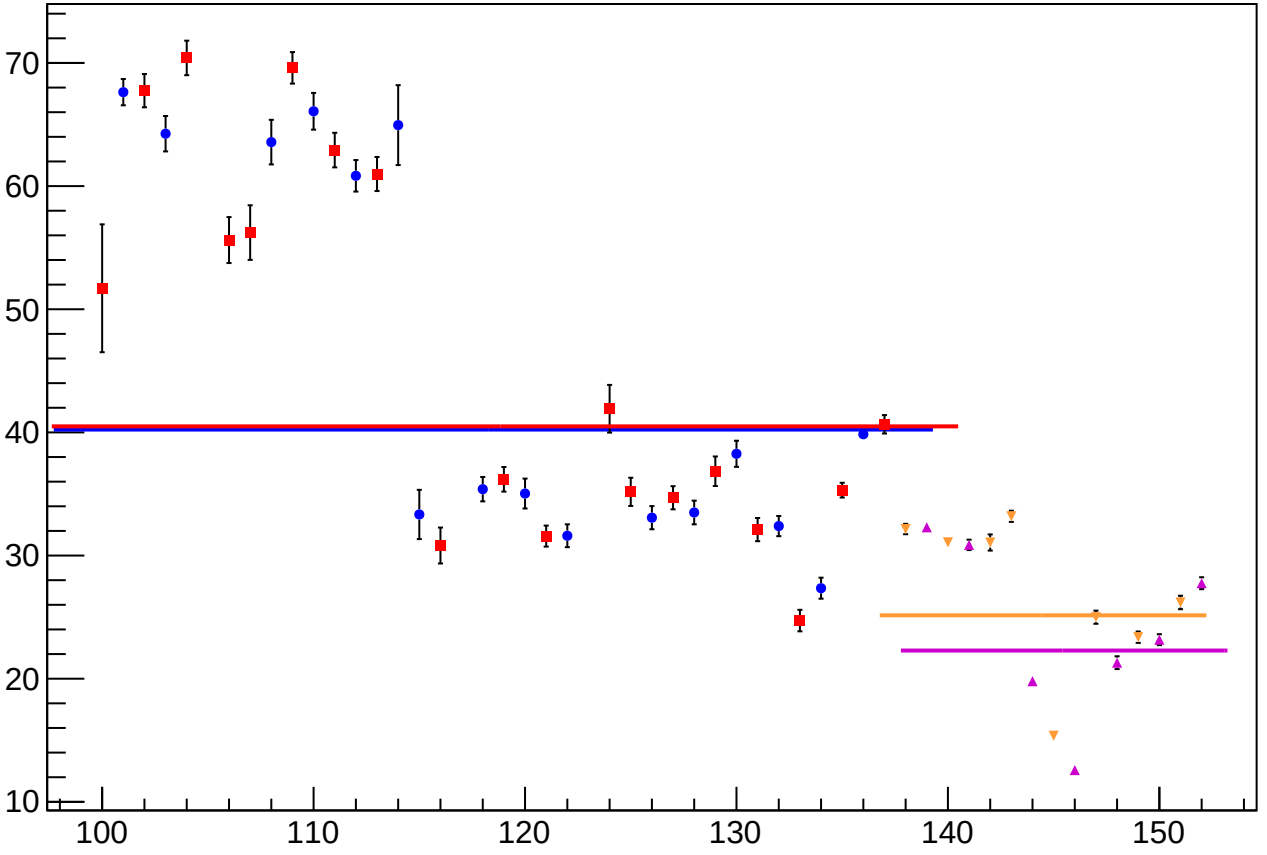
Left In: -1.988+/-0.104 χ^2/NDF:1240.4/6

+ sign -2.230+/-0.095 χ^2/NDF: 1769.2/23

All: -2.130+/-0.067 χ^2/NDF: 4568.5/49

- sign -2.031+/-0.095 χ^2/NDF: 2797.0/25

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: 25.146+/-0.148 χ^2/NDF:2254.3/7

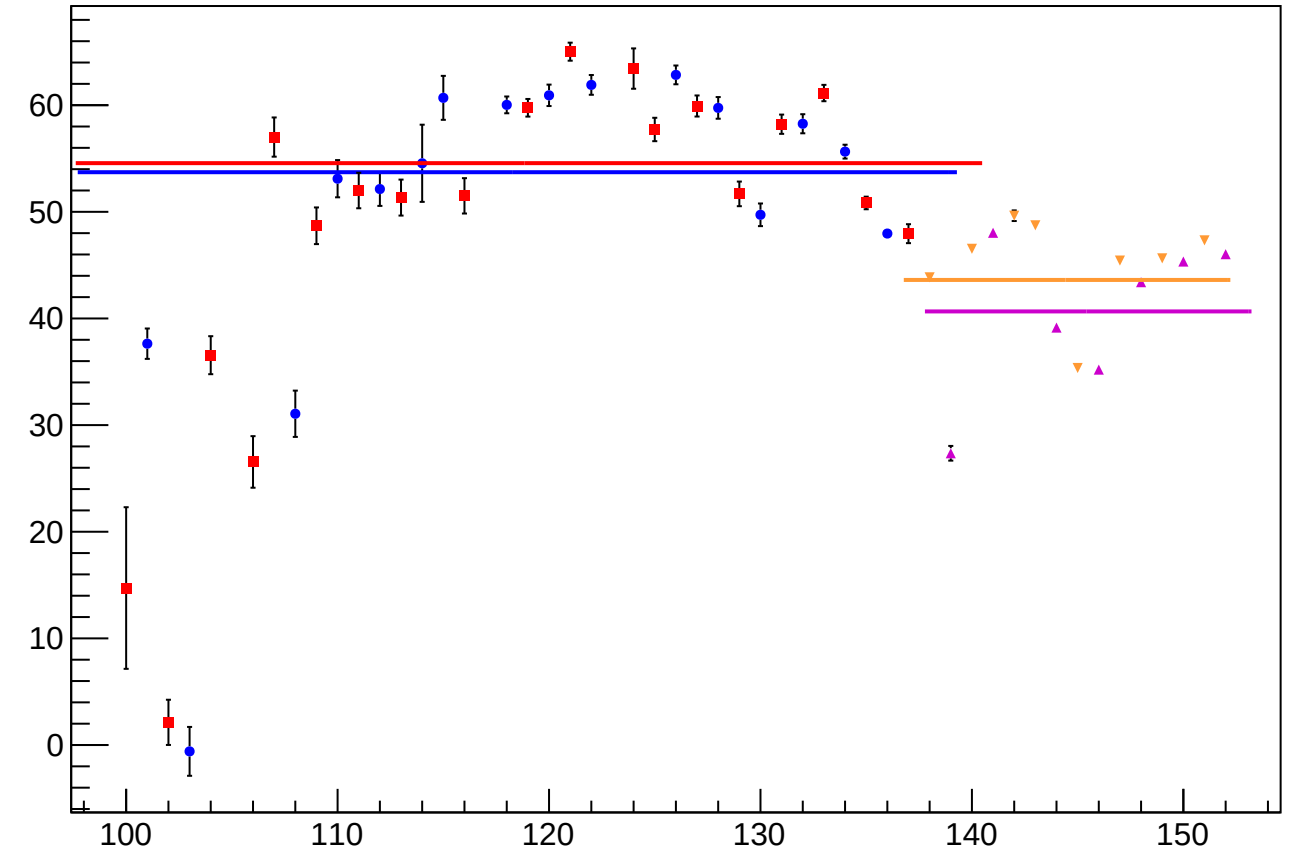
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 22.288+/-0.148 χ^2/NDF:2240.0/6

+ sign 29.532+/-0.125 χ^2/NDF: 7559.1/23

All: 28.290+/-0.089 χ^2/NDF: 16615.6/49

- sign 26.996+/-0.127 χ^2/NDF: 8854.2/25



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.613+/-0.128 χ^2/NDF:1660.6/7

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

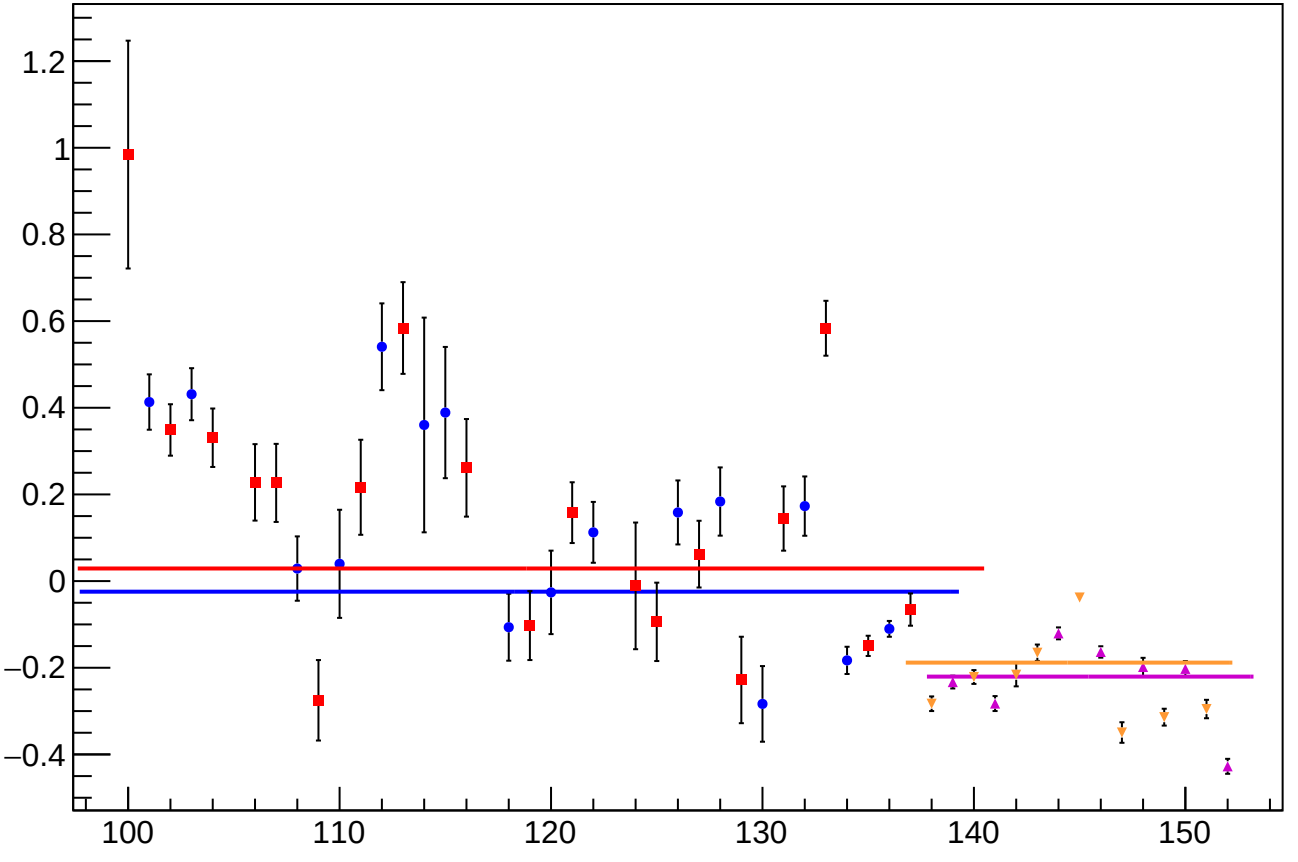
Left In: 40.660+/-0.126 χ^2/NDF:1755.0/6

+ sign 45.858+/-0.113 χ^2/NDF: 4412.8/23

All: 44.619+/-0.080 χ^2/NDF: 10126.0/49

- sign 43.370+/-0.113 χ^2/NDF: 5470.4/25

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: -0.188+/-0.006 χ^2/NDF:346.2/7

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

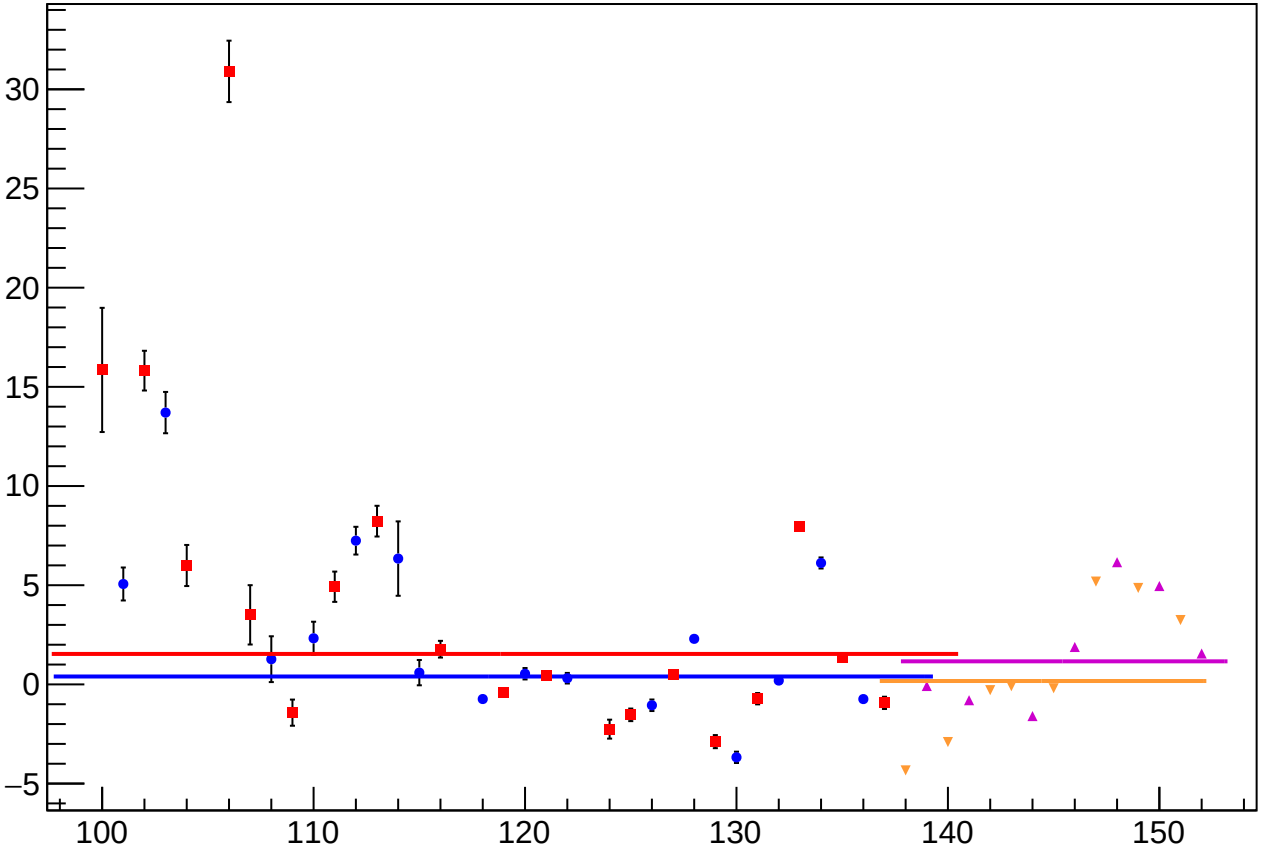
Left In: -0.220+/-0.006 χ^2/NDF:230.8/6

+ sign -0.158+/-0.006 χ^2/NDF: 709.1/23

All: -0.170+/-0.004 χ^2/NDF: 1486.8/49

- sign -0.183+/-0.006 χ^2/NDF: 767.5/25

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: 0.170+/-0.053 χ^2/NDF:3236.7/7

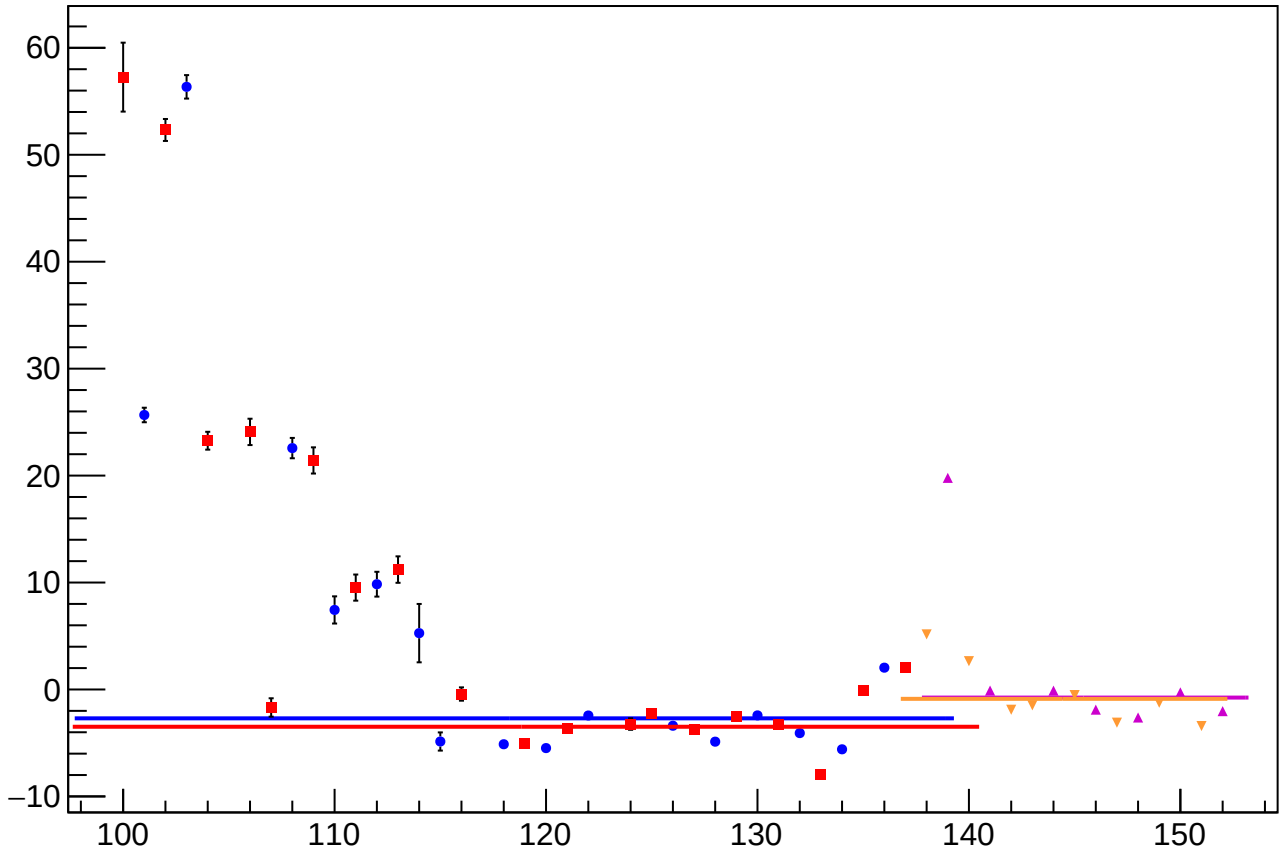
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 1.163+/-0.053 χ^2/NDF:2263.3/6

+ sign 0.243+/-0.044 χ^2/NDF: 4340.0/23

All: 0.759+/-0.031 χ^2/NDF: 9312.4/49

- sign 1.279+/-0.044 χ^2/NDF: 4690.1/25



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.875+/-0.038 χ^2/NDF:3672.2/7

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

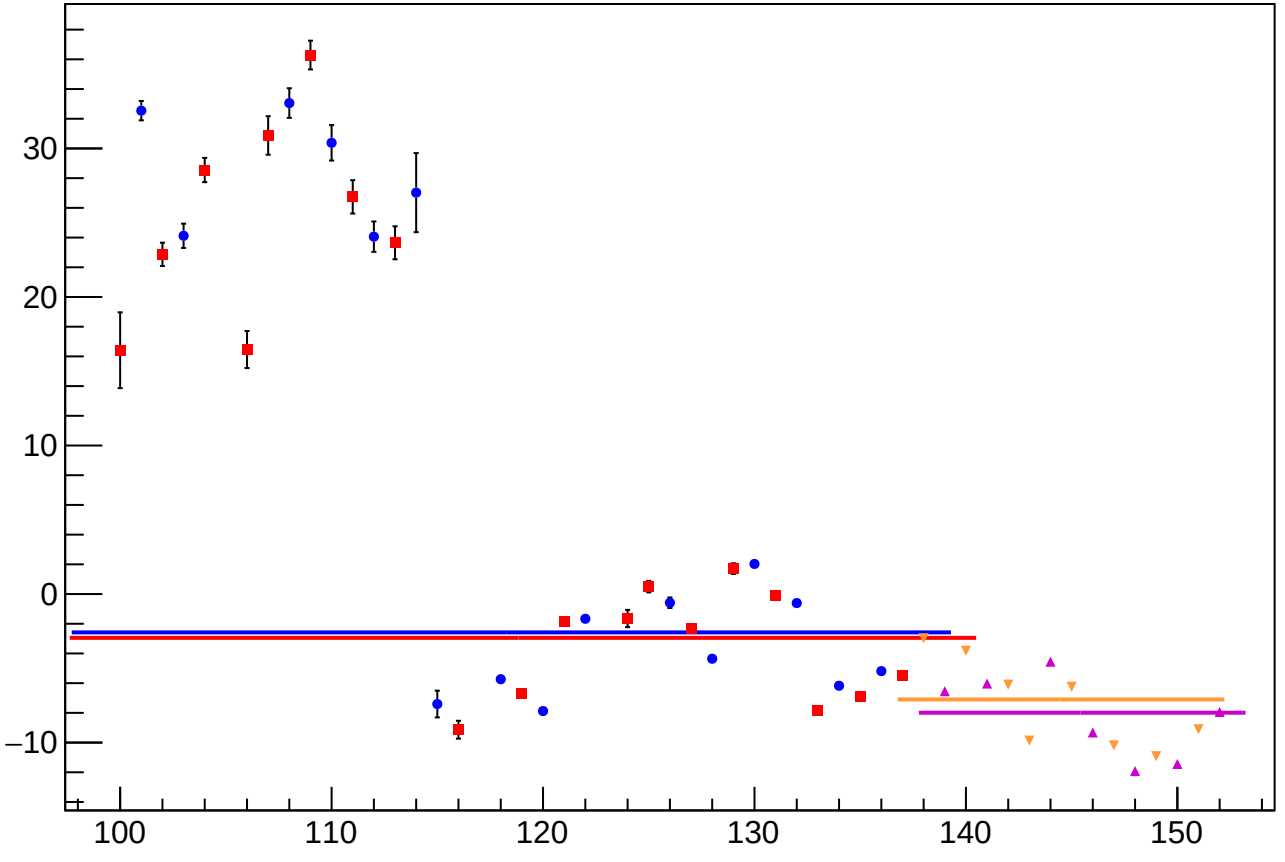
Left In: -0.758+/-0.037 χ^2/NDF:7404.8/6

+ sign -1.276+/-0.033 χ^2/NDF: 11294.7/23

All: -1.308+/-0.023 χ^2/NDF: 27027.4/49

- sign -1.339+/-0.033 χ^2/NDF: 15730.9/25

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: -7.097+/-0.053 χ^2/NDF:2728.9/7

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

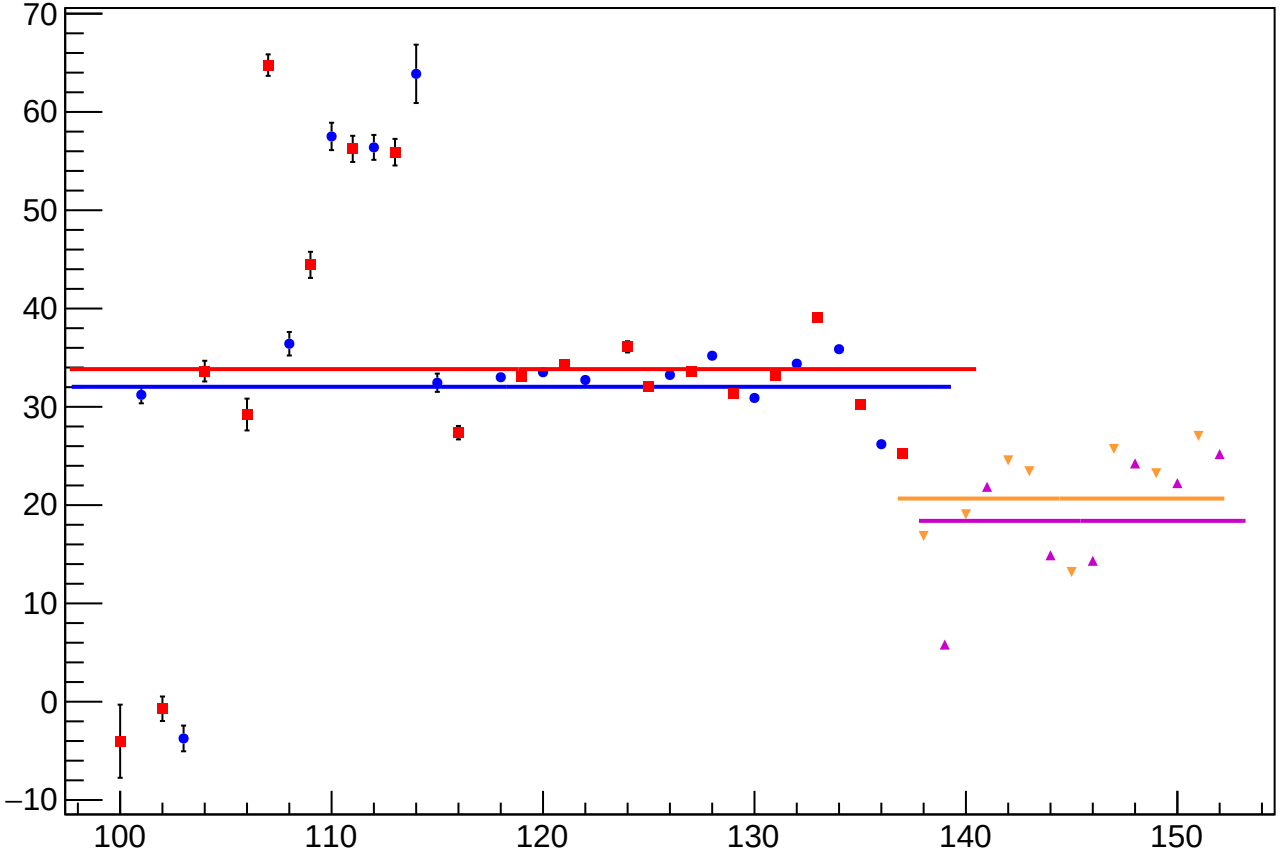
Left In: -7.989+/-0.052 χ^2/NDF:2432.6/6

+ sign -5.796+/-0.045 χ^2/NDF: 12990.8/23

All: -6.205+/-0.031 χ^2/NDF: 26346.8/49

- sign -6.611+/-0.044 χ^2/NDF: 13188.1/25

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: 20.669+/-0.045 χ^2/NDF:12297.2/7

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

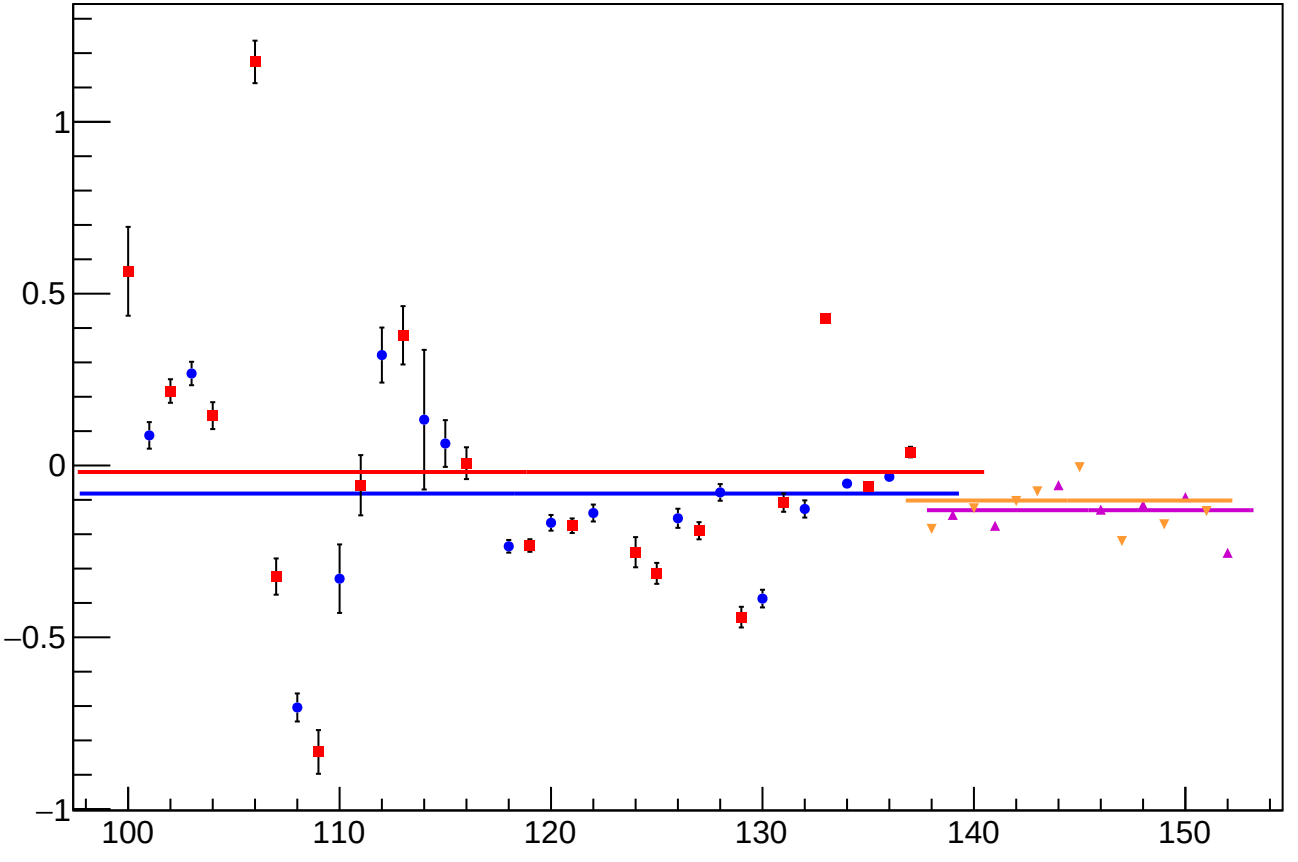
Left In: 18.400+/-0.045 χ^2/NDF:12110.9/6

+ sign 23.377+/-0.040 χ^2/NDF: 30453.8/23

All: 22.649+/-0.028 χ^2/NDF: 75029.4/49

- sign 21.943+/-0.039 χ^2/NDF: 43912.4/25

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: -0.102+/-0.002 χ^2/NDF:1134.5/7

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

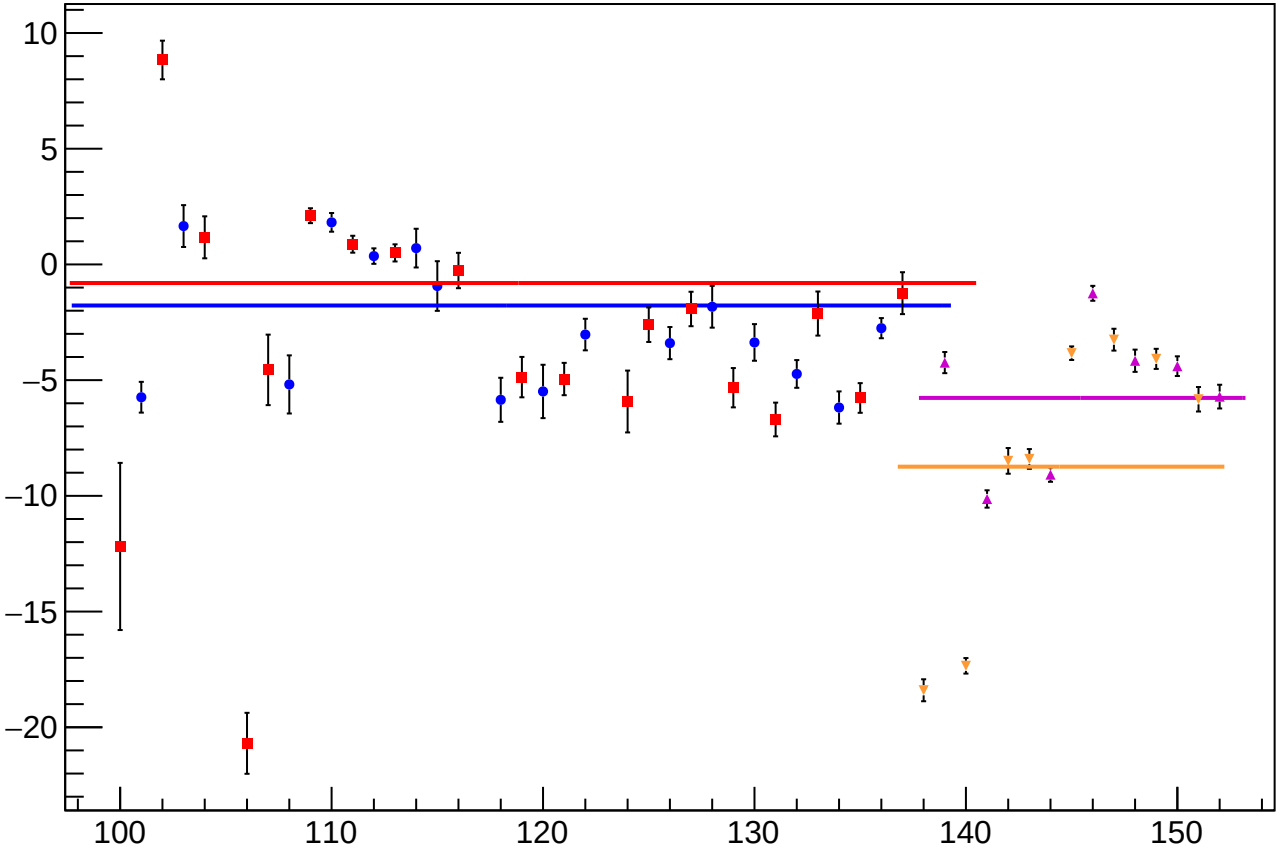
Left In: -0.130+/-0.002 χ^2/NDF:666.4/6

+ sign -0.098+/-0.002 χ^2/NDF: 1838.3/23

All: -0.106+/-0.001 χ^2/NDF: 5201.9/49

- sign -0.114+/-0.002 χ^2/NDF: 3331.8/25

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.739+/-0.146 χ^2/NDF:1633.6/7

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

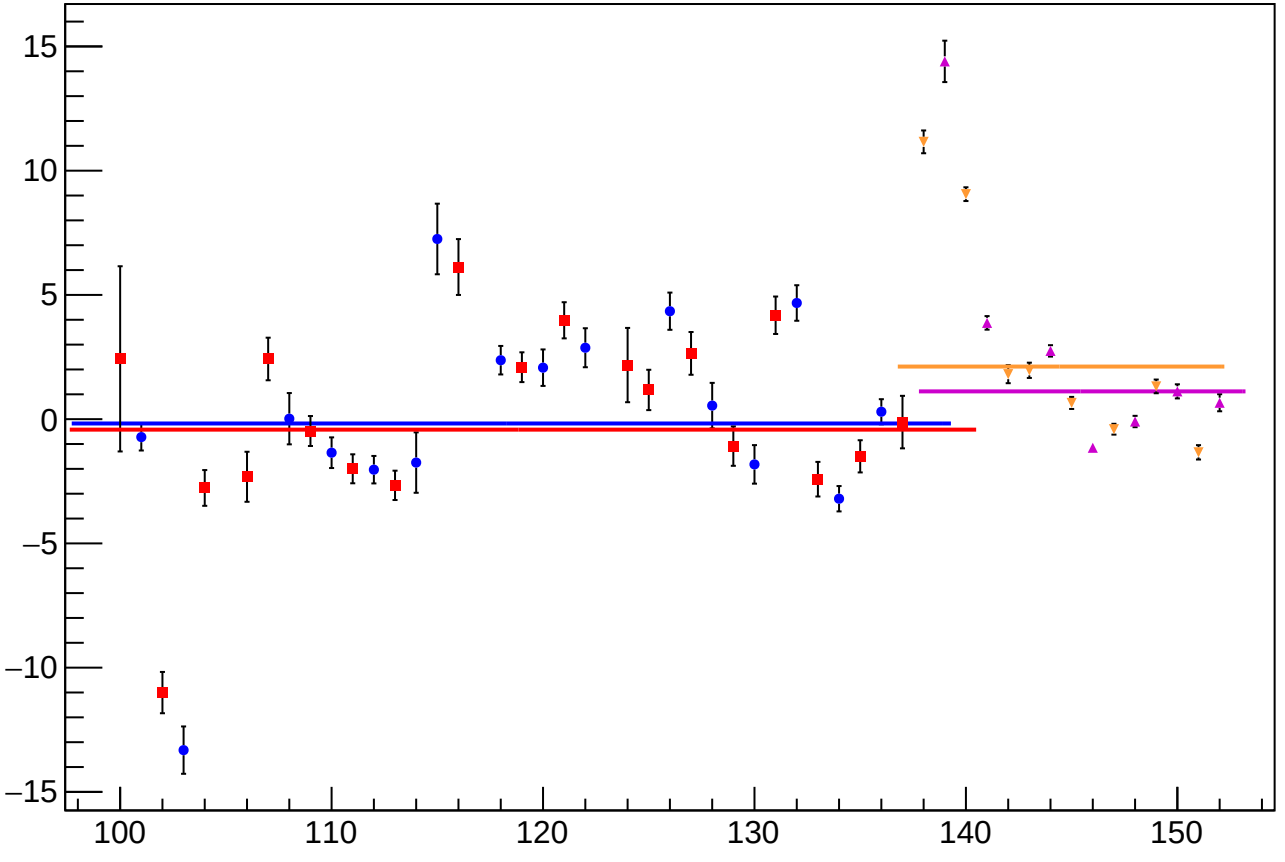
Left In: -5.768+/-0.148 χ^2/NDF:478.8/6

+ sign -5.518+/-0.107 χ^2/NDF: 2987.1/23

All: -4.381+/-0.075 χ^2/NDF: 4982.2/49

- sign -3.288+/-0.105 χ^2/NDF: 1773.3/25

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.117+/-0.100 χ^2/NDF:1339.1/7

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

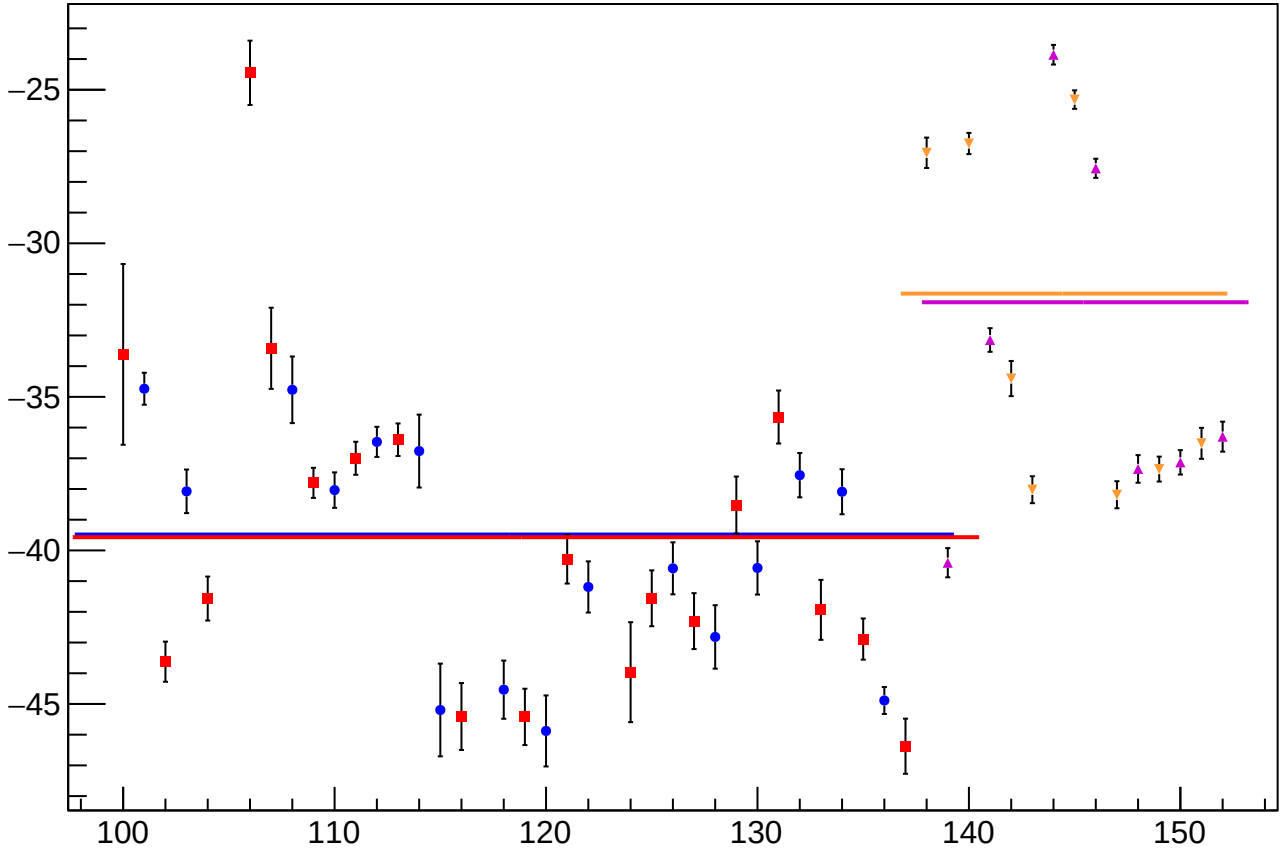
Left In: 1.118+/-0.100 χ^2/NDF:573.1/6

+ sign 1.539+/-0.087 χ^2/NDF: 1873.3/23

All: 1.144+/-0.061 χ^2/NDF: 2911.5/49

- sign 0.747+/-0.087 χ^2/NDF: 996.7/25

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -31.638+/-0.146 χ^2/NDF:1474.1/7

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

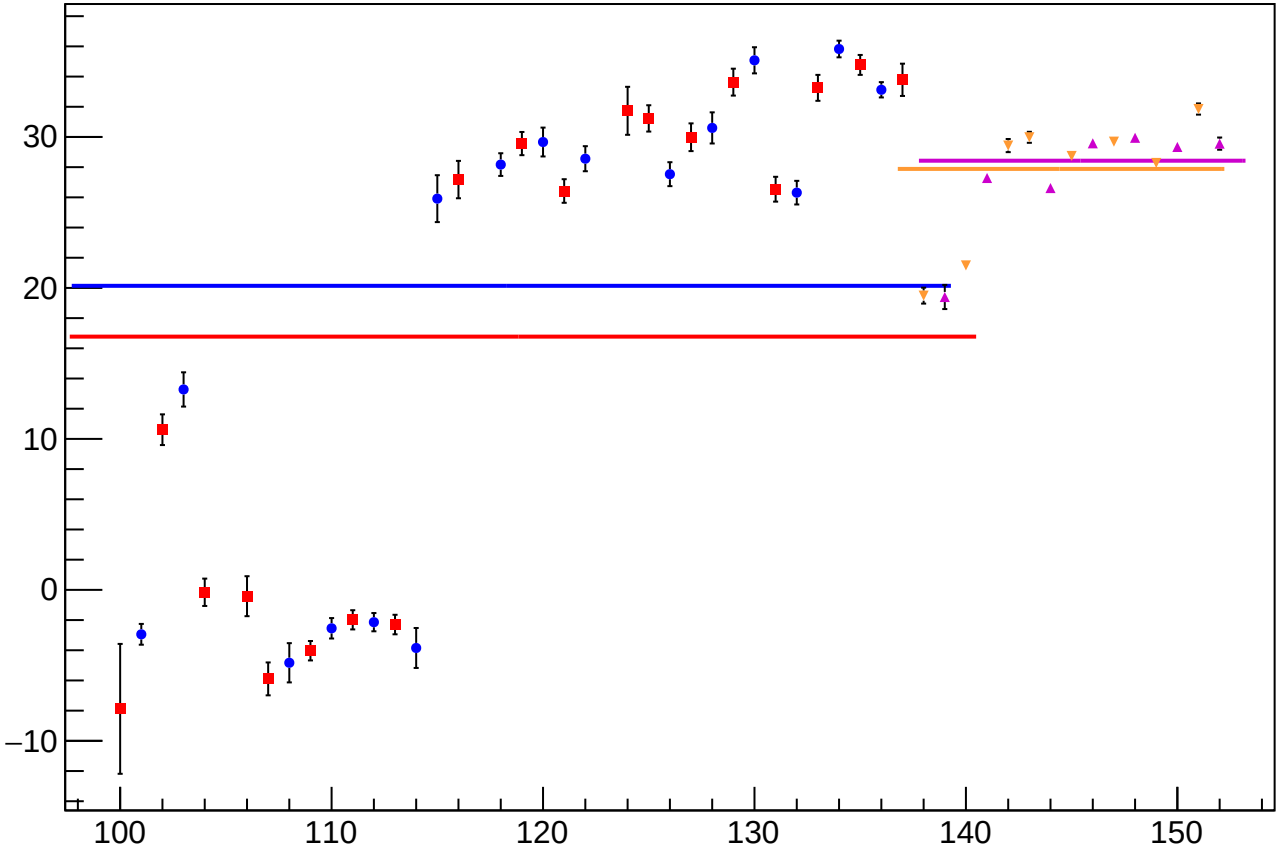
Left In: -31.919+/-0.146 χ^2/NDF:1558.5/6

+ sign -34.747+/-0.113 χ^2/NDF: 3027.6/23

All: -34.844+/-0.080 χ^2/NDF: 6222.3/49

- sign -34.941+/-0.114 χ^2/NDF: 3193.3/25

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.884+/-0.123 χ^2/NDF:828.7/7

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

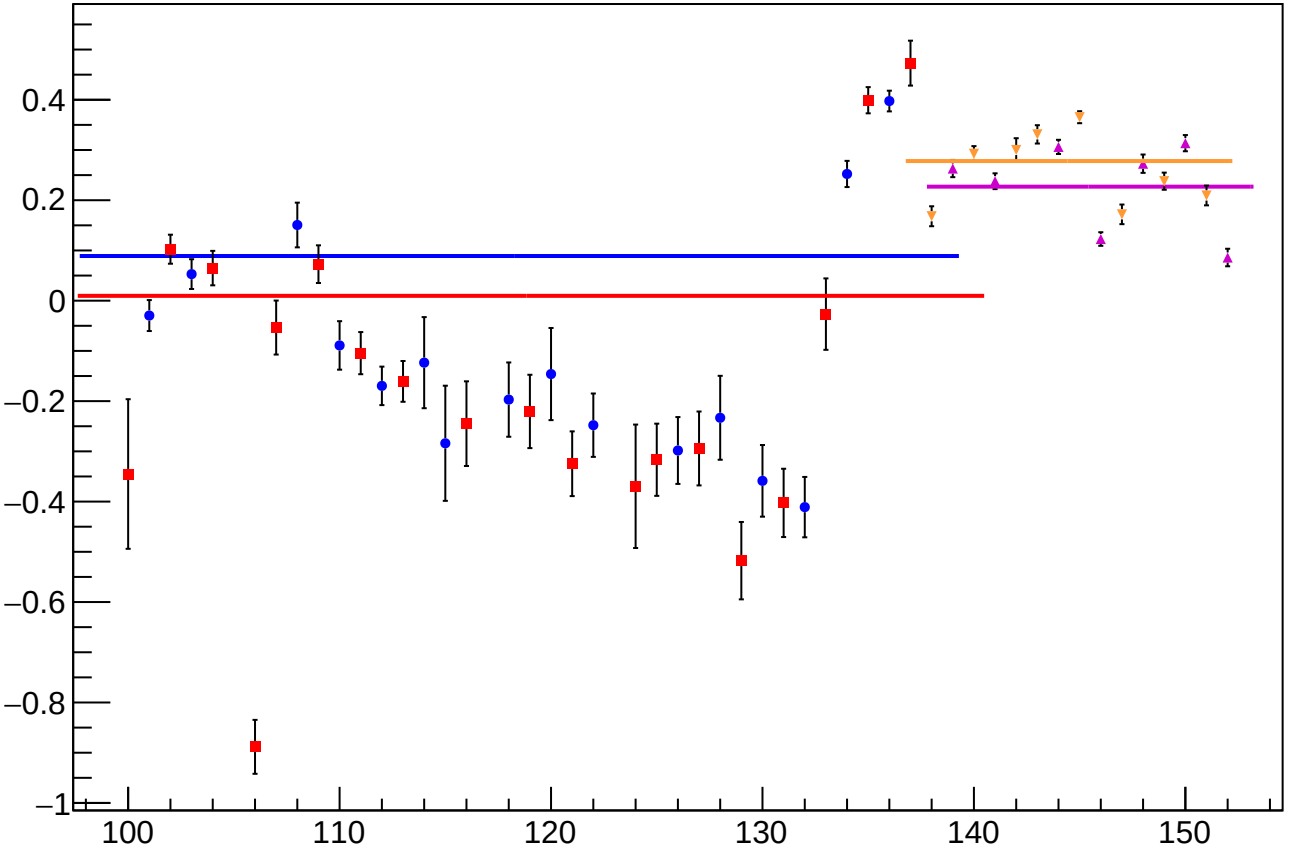
Left In: 28.428+/-0.122 χ^2/NDF:246.4/6

+ sign 25.672+/-0.104 χ^2/NDF: 8643.2/23

All: 25.467+/-0.074 χ^2/NDF: 18116.3/49

- sign 25.263+/-0.104 χ^2/NDF: 9465.3/25

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.278+/-0.006 χ^2/NDF:141.5/7

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

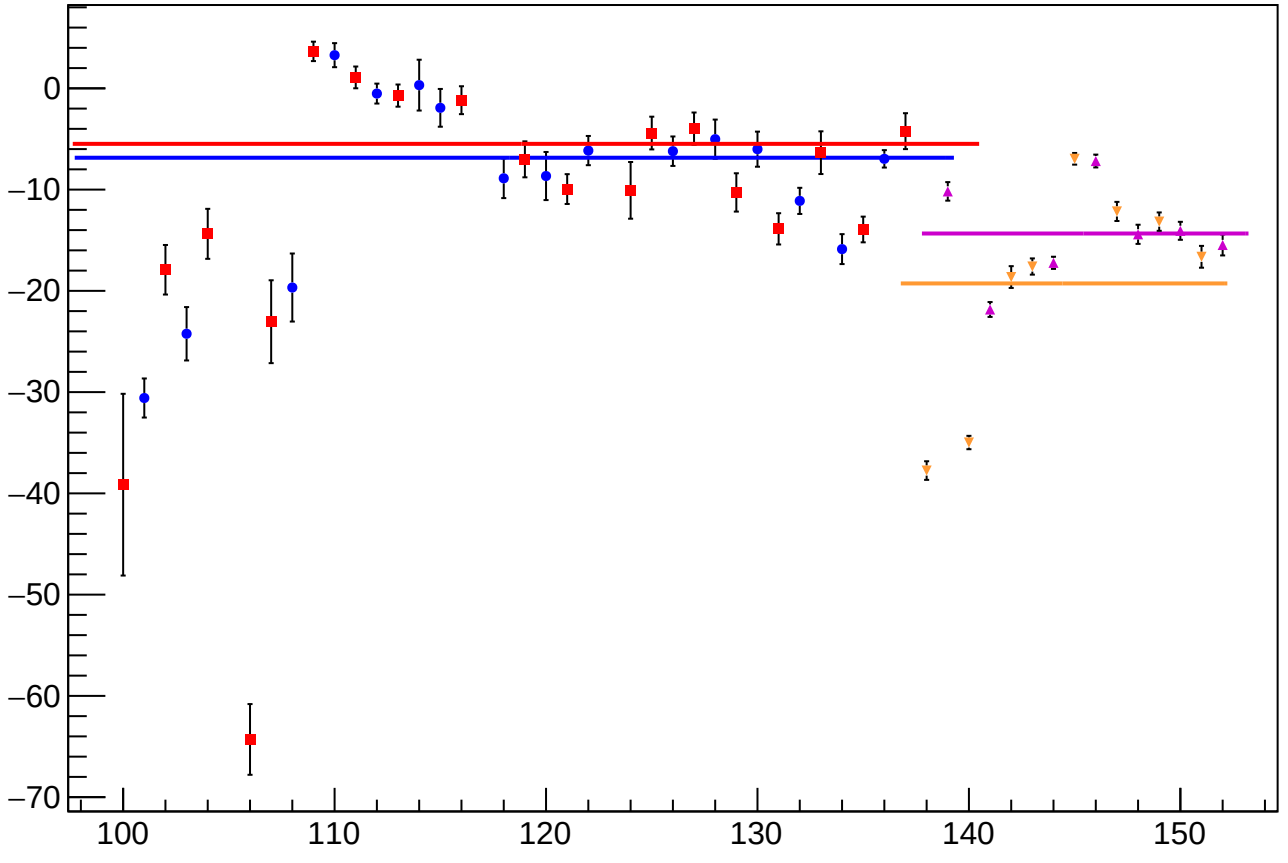
Left In: 0.227+/-0.006 χ^2/NDF:196.1/6

+ sign 0.230+/-0.005 χ^2/NDF: 951.9/23

All: 0.204+/-0.004 χ^2/NDF: 2334.0/49

- sign 0.178+/-0.005 χ^2/NDF: 1331.8/25

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.267+/-0.287 χ^2/NDF:1538.7/7

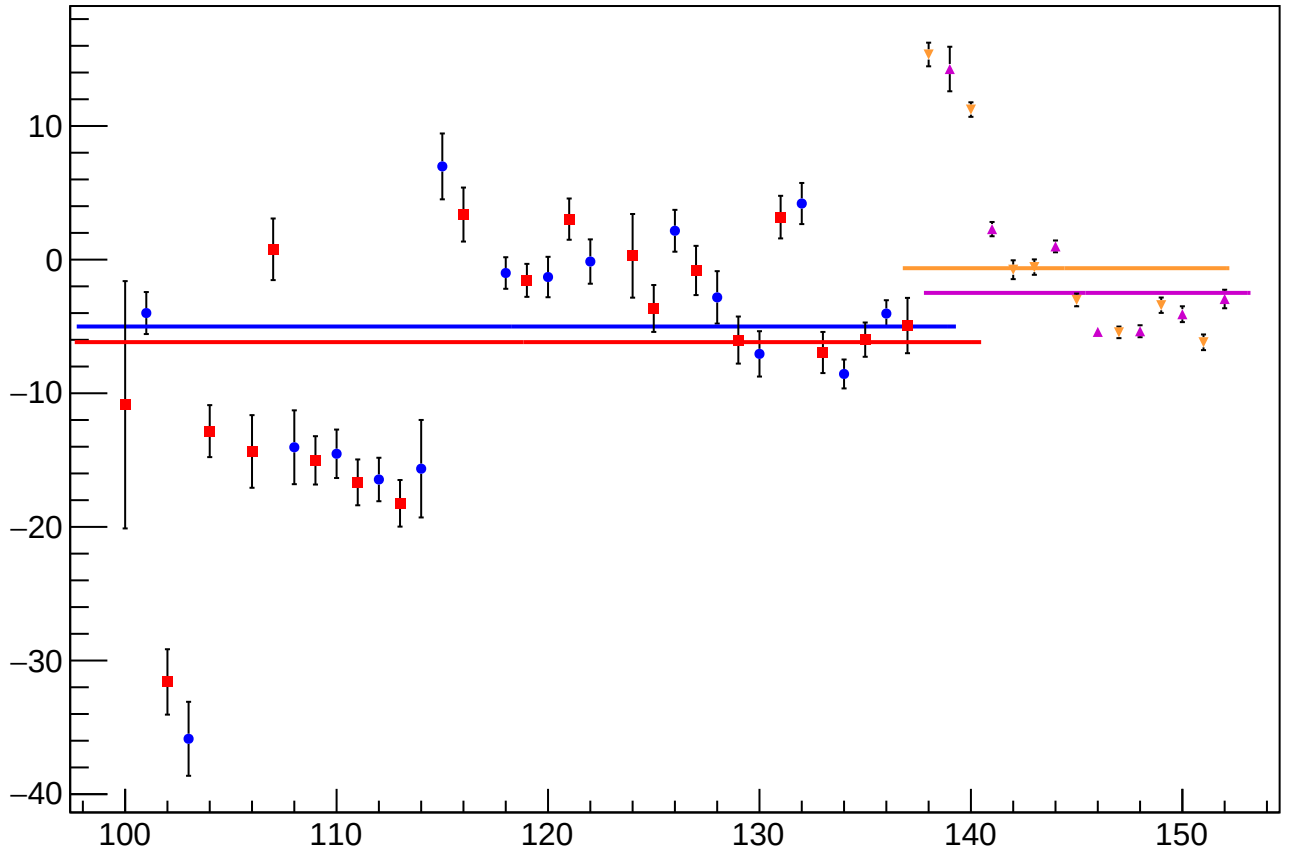
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.336+/-0.293 χ^2/NDF:276.6/6

+ sign -14.682+/-0.228 χ^2/NDF: 2617.7/23

All: -12.806+/-0.162 χ^2/NDF: 3989.5/49

- sign -10.907+/-0.230 χ^2/NDF: 1235.8/25



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.641+/-0.199 χ^2/NDF:1062.3/7

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

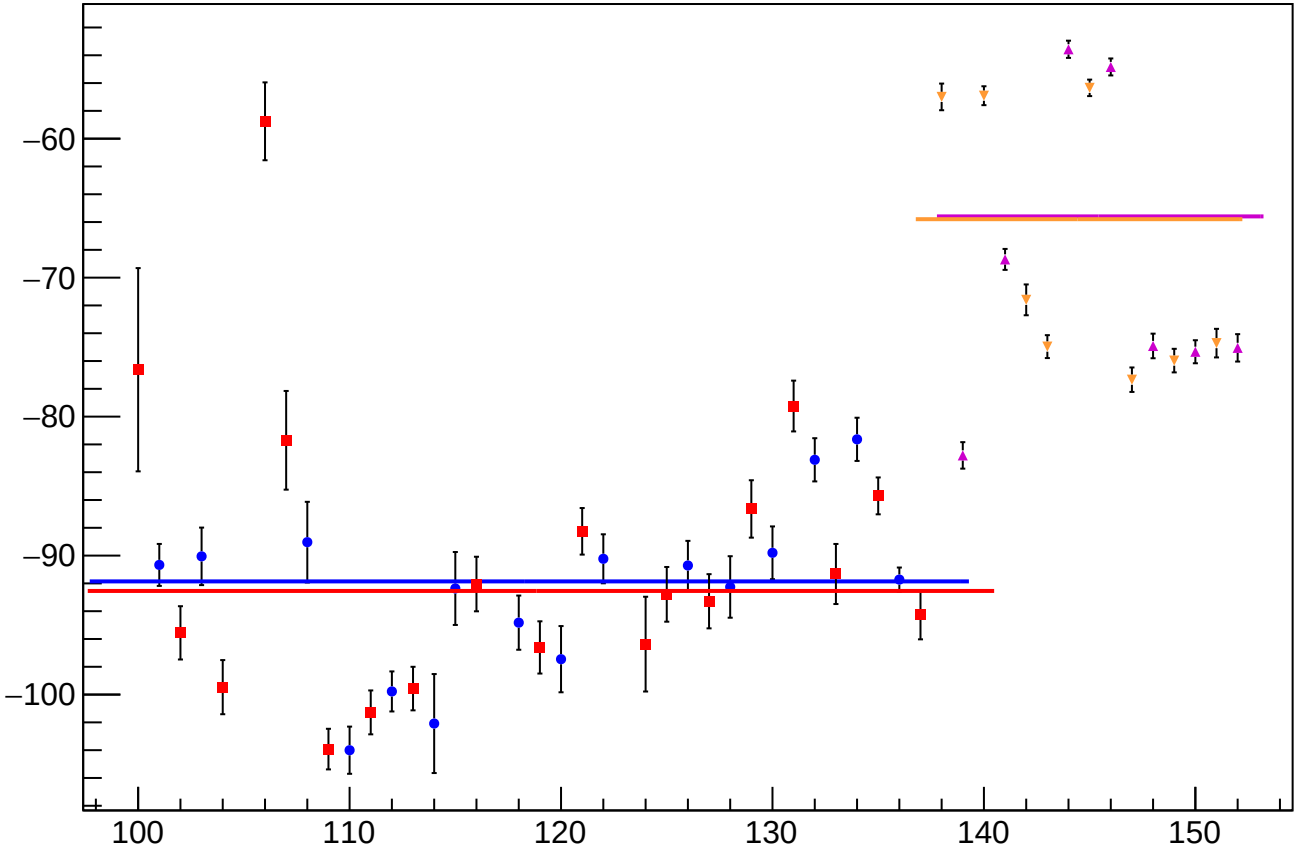
Left In: -2.488+/-0.196 χ^2/NDF:351.7/6

+ sign -1.521+/-0.178 χ^2/NDF: 1501.3/23

All: -2.339+/-0.126 χ^2/NDF: 2328.7/49

- sign -3.158+/-0.178 χ^2/NDF: 784.9/25

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -65.795+/-0.289 χ^2/NDF:1052.0/7

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

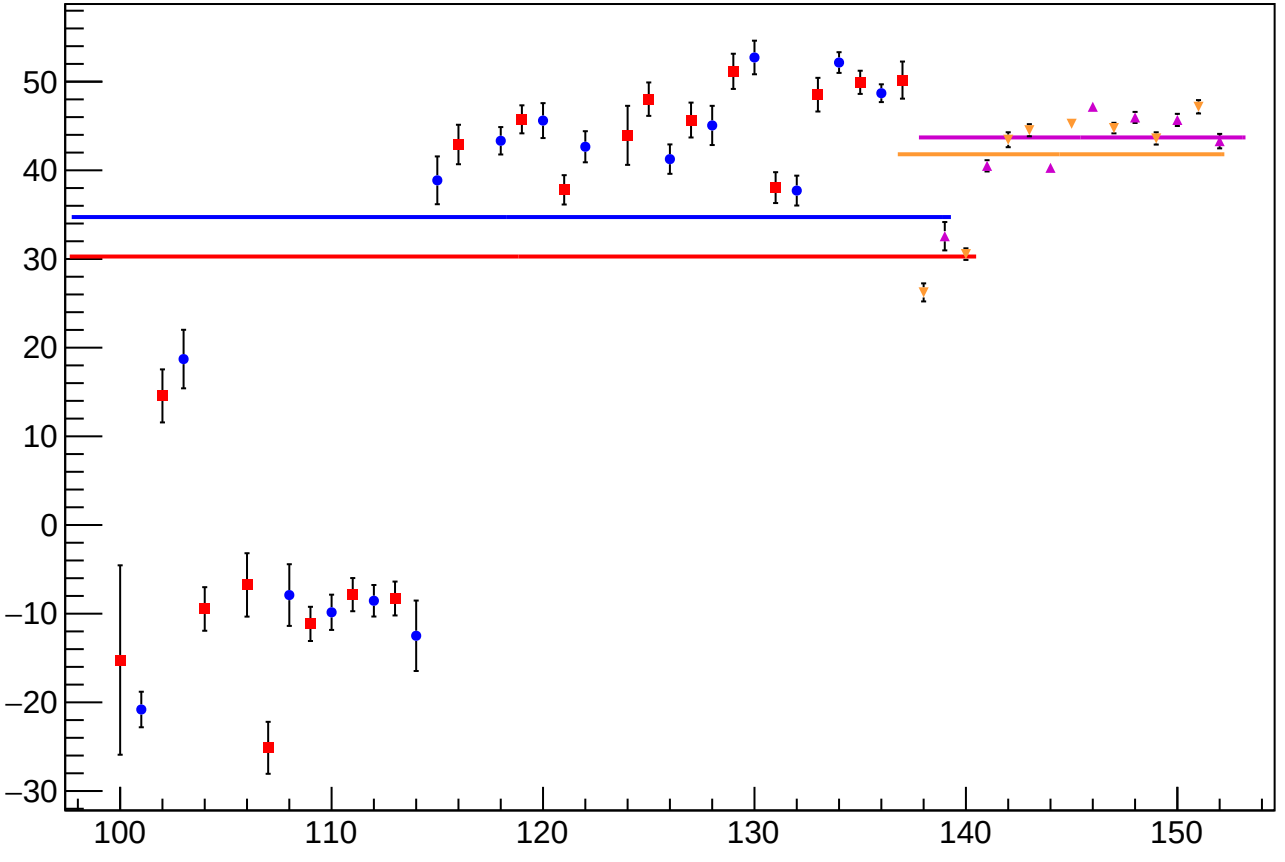
Left In: -65.593+/-0.290 χ^2/NDF:1370.4/6

+ sign -74.041+/-0.239 χ^2/NDF: 3811.3/23

All: -73.906+/-0.170 χ^2/NDF: 8193.1/49

- sign -73.766+/-0.242 χ^2/NDF: 4381.1/25

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.810+/-0.243 χ^2/NDF:669.9/7

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

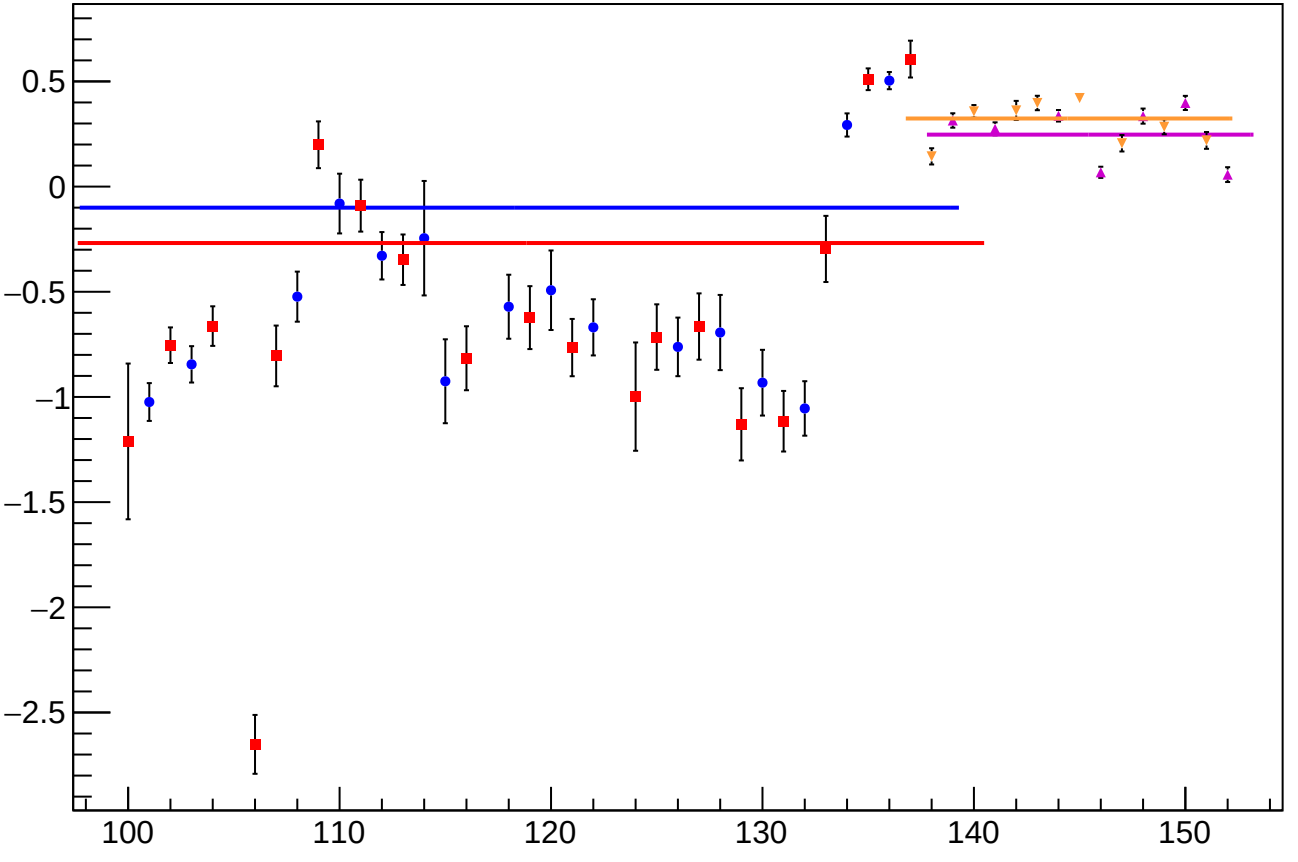
Left In: 43.709+/-0.241 χ^2/NDF:192.9/6

+ sign 40.161+/-0.213 χ^2/NDF: 3676.0/23

All: 40.525+/-0.151 χ^2/NDF: 7439.1/49

- sign 40.892+/-0.214 χ^2/NDF: 3757.3/25

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.324+/-0.012 χ^2/NDF:62.6/7

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

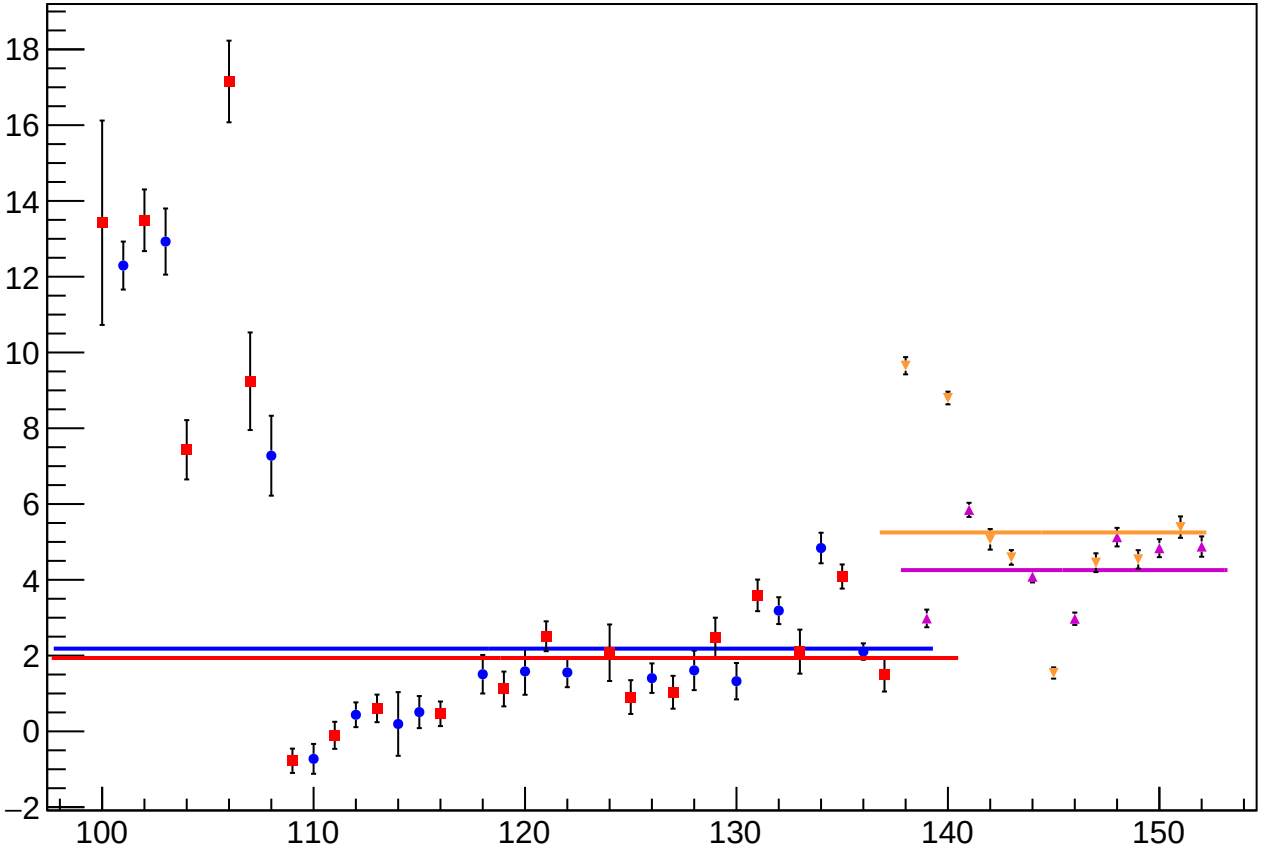
Left In: 0.247+/-0.012 χ^2/NDF:116.0/6

+ sign 0.239+/-0.011 χ^2/NDF: 943.5/23

All: 0.200+/-0.008 χ^2/NDF: 2227.2/49

- sign 0.160+/-0.011 χ^2/NDF: 1256.7/25

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: 5.250+/-0.073 χ^2/NDF:1475.2/7

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

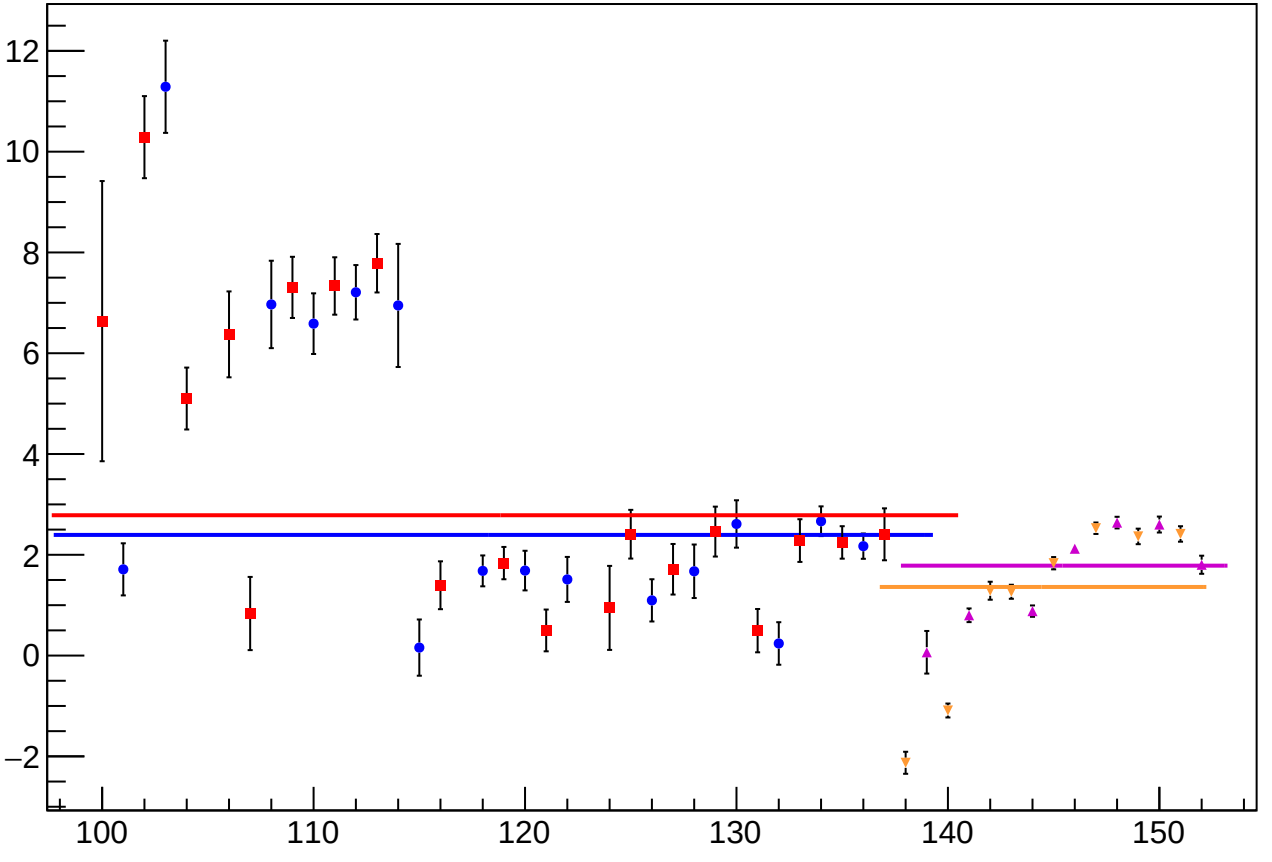
Left In: 4.256+/-0.075 χ^2/NDF:189.5/6

+ sign 4.244+/-0.060 χ^2/NDF: 2647.8/23

All: 3.866+/-0.043 χ^2/NDF: 3955.5/49

- sign 3.471+/-0.061 χ^2/NDF: 1226.7/25

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.362+/-0.051 χ^2/NDF:779.2/7

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

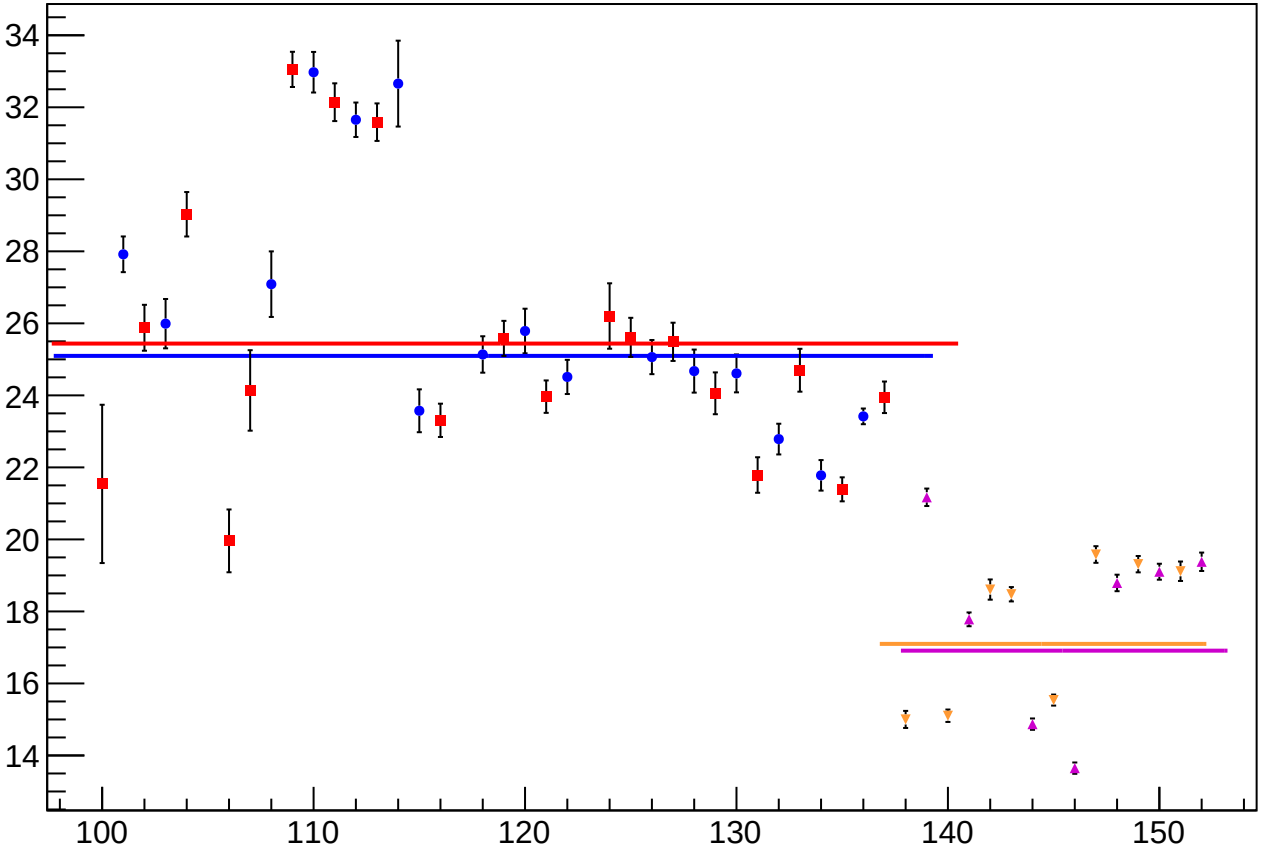
Left In: 1.784+/-0.050 χ^2/NDF:227.1/6

+ sign 1.549+/-0.046 χ^2/NDF: 1187.5/23

All: 1.746+/-0.033 χ^2/NDF: 1924.7/49

- sign 1.943+/-0.046 χ^2/NDF: 700.7/25

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 17.098+/-0.074 χ^2/NDF:658.9/7

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

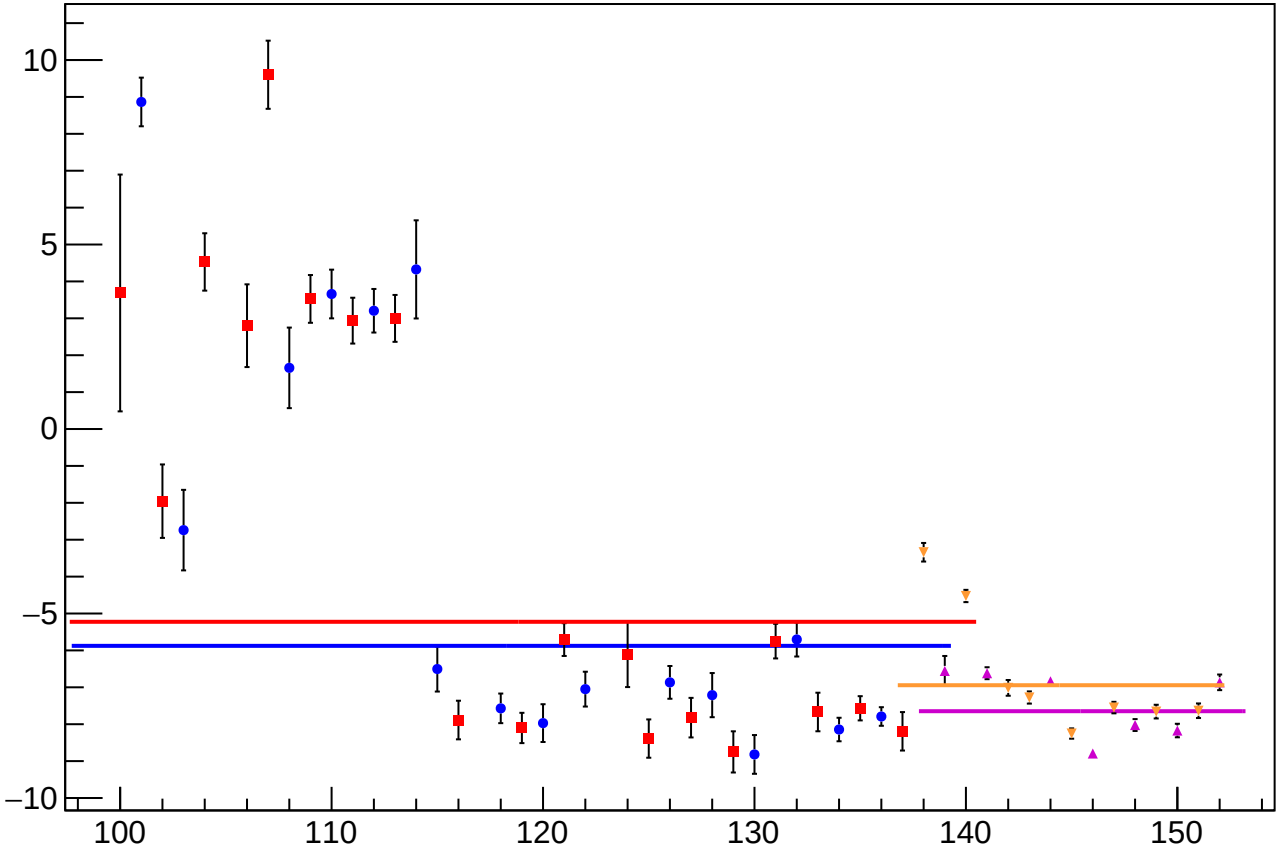
Left In: 16.911+/-0.075 χ^2/NDF:1187.1/6

+ sign 19.358+/-0.062 χ^2/NDF: 4603.7/23

All: 19.269+/-0.045 χ^2/NDF: 10144.9/49

- sign 19.175+/-0.064 χ^2/NDF: 5537.0/25

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.943+/-0.062 χ^2/NDF:549.5/7

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

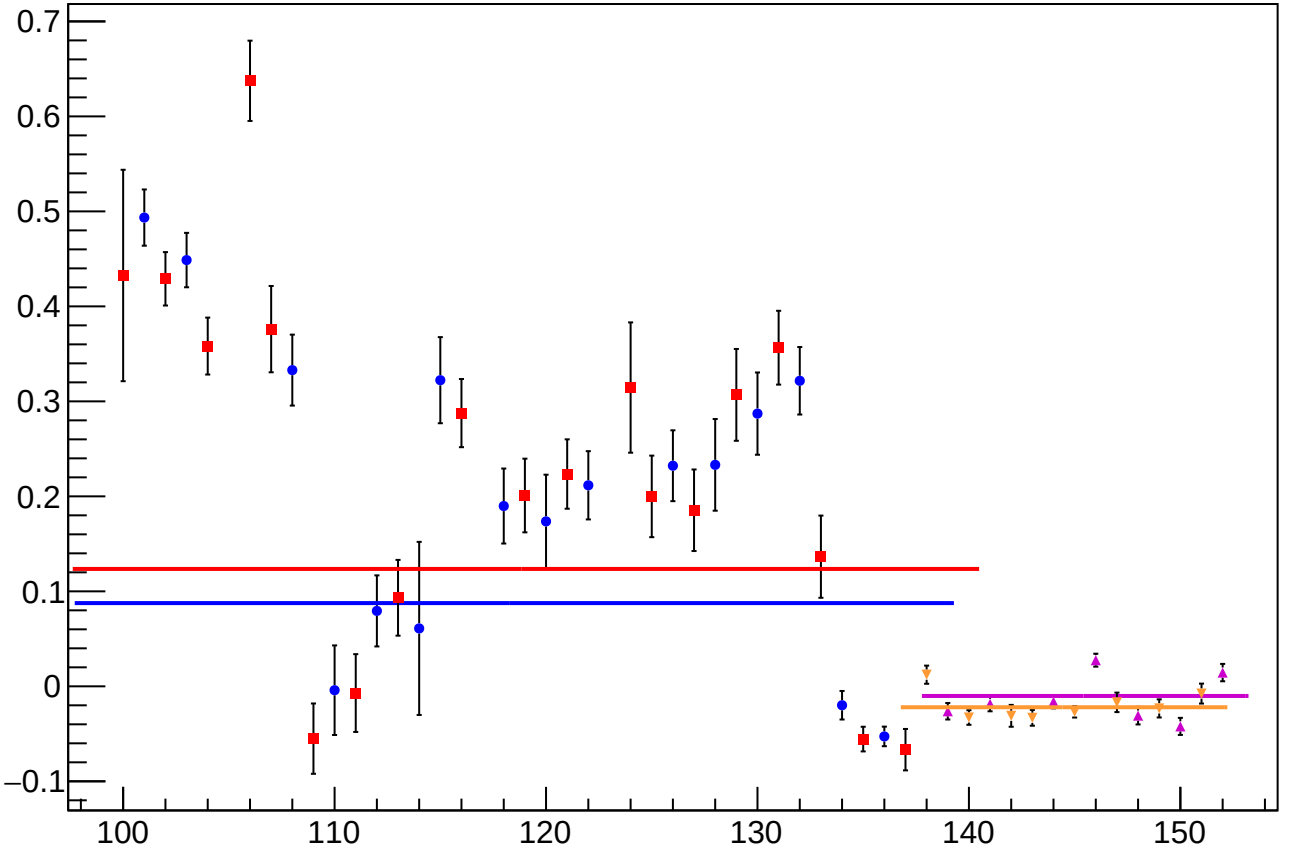
Left In: -7.647+/-0.062 χ^2/NDF:204.1/6

+ sign -6.718+/-0.055 χ^2/NDF: 1862.6/23

All: -6.956+/-0.039 χ^2/NDF: 3681.1/49

- sign -7.198+/-0.056 χ^2/NDF: 1781.3/25

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: -0.022+/-0.003 χ^2/NDF:20.0/7

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

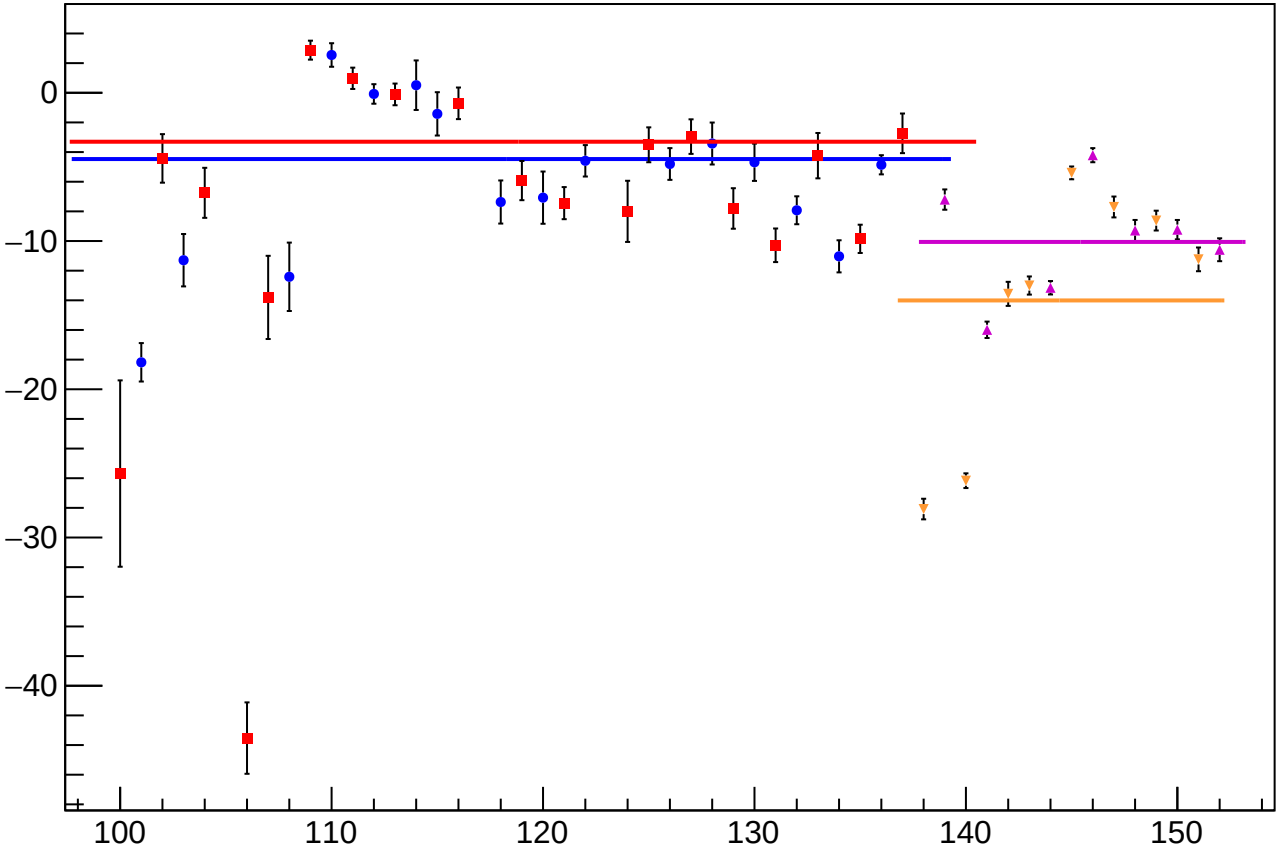
Left In: -0.010+/-0.003 χ^2/NDF:60.9/6

+ sign -0.003+/-0.003 χ^2/NDF: 1015.6/23

All: 0.003+/-0.002 χ^2/NDF: 2132.0/49

- sign 0.010+/-0.003 χ^2/NDF: 1106.9/25

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.008+/-0.216 χ^2/NDF:1565.9/7

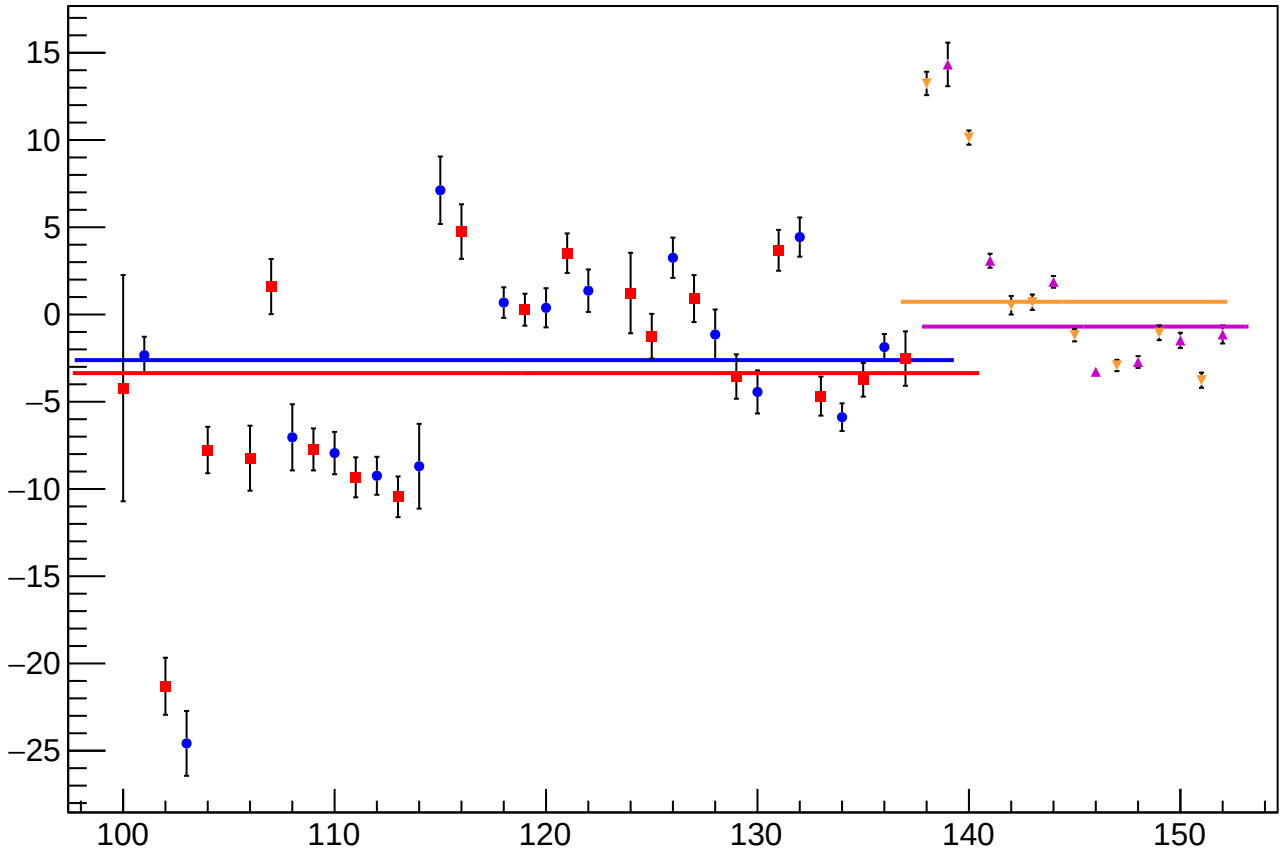
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.061+/-0.220 χ^2/NDF:333.2/6

+ sign -10.265+/-0.168 χ^2/NDF: 2664.6/23

All: -8.758+/-0.119 χ^2/NDF: 4135.4/49

- sign -7.254+/-0.168 χ^2/NDF: 1310.4/25



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.729+/-0.149 χ^2/NDF:1157.5/7

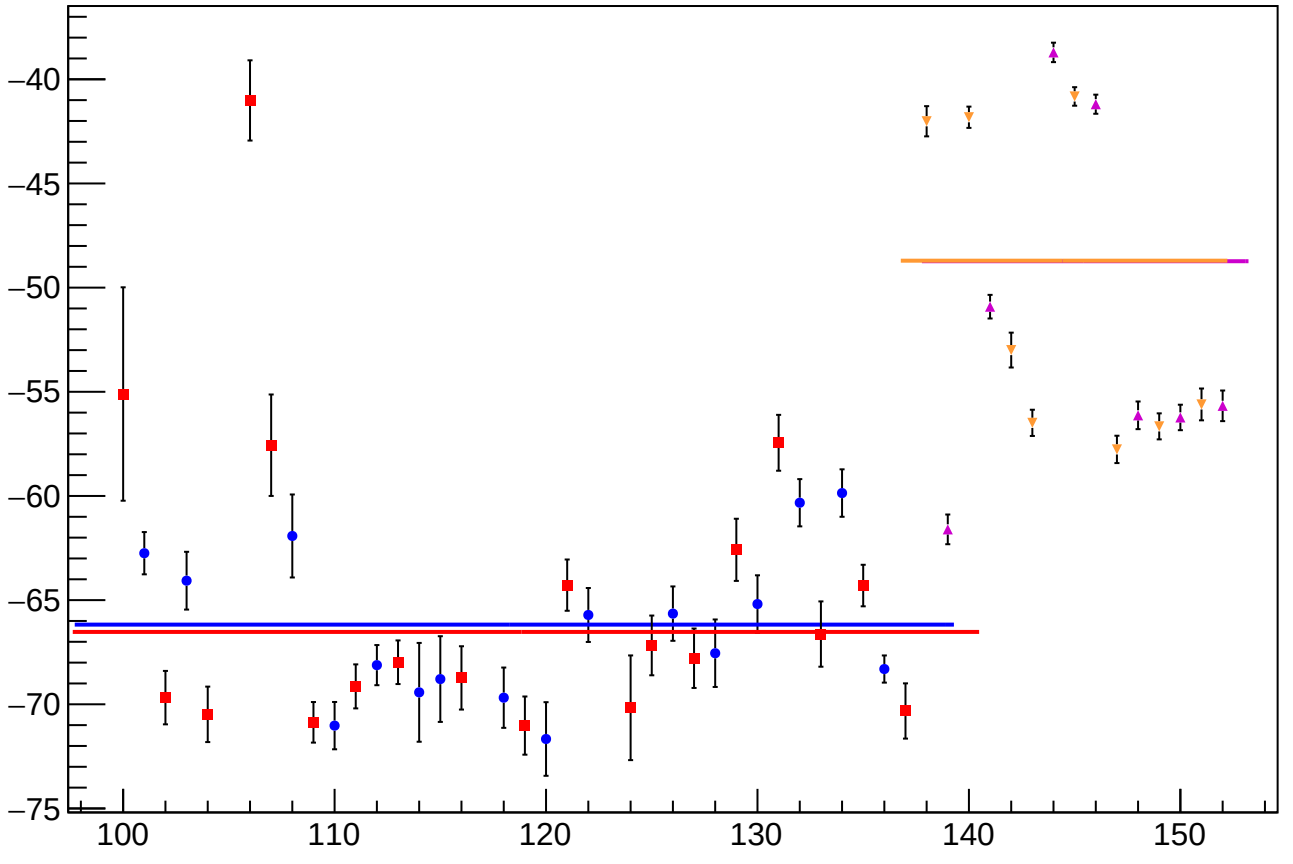
Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: -0.693+/-0.147 χ^2/NDF:415.8/6

+ sign 0.015+/-0.132 χ^2/NDF: 1617.1/23

All: -0.600+/-0.093 χ^2/NDF: 2499.9/49

- sign -1.215+/-0.132 χ^2/NDF: 839.5/25



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -48.707+/-0.216 χ^2/NDF:1194.8/7

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

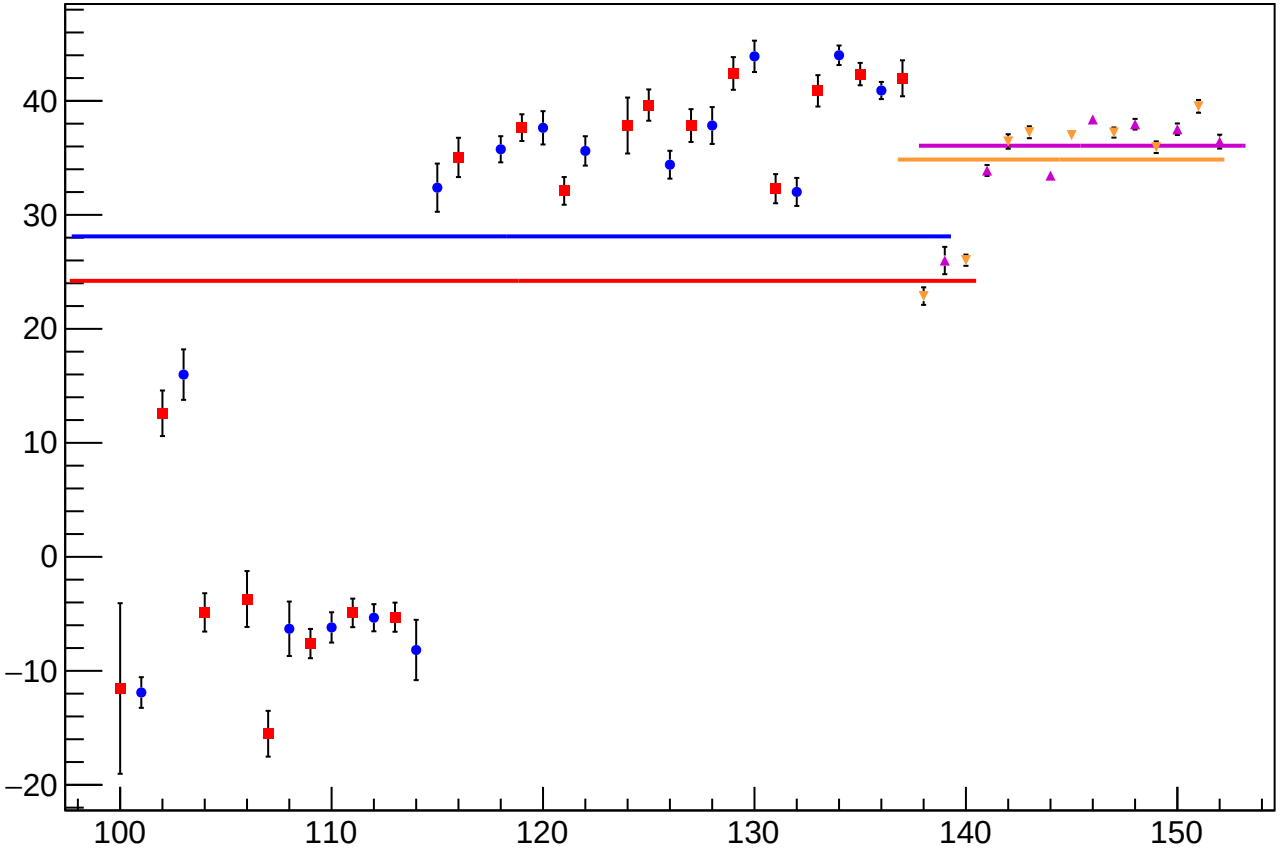
Left In: -48.733+/-0.217 χ^2/NDF:1435.5/6

+ sign -54.575+/-0.176 χ^2/NDF: 3512.3/23

All: -54.550+/-0.125 χ^2/NDF: 7456.6/49

- sign -54.525+/-0.178 χ^2/NDF: 3944.3/25

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.853+/-0.183 χ^2/NDF:719.4/7

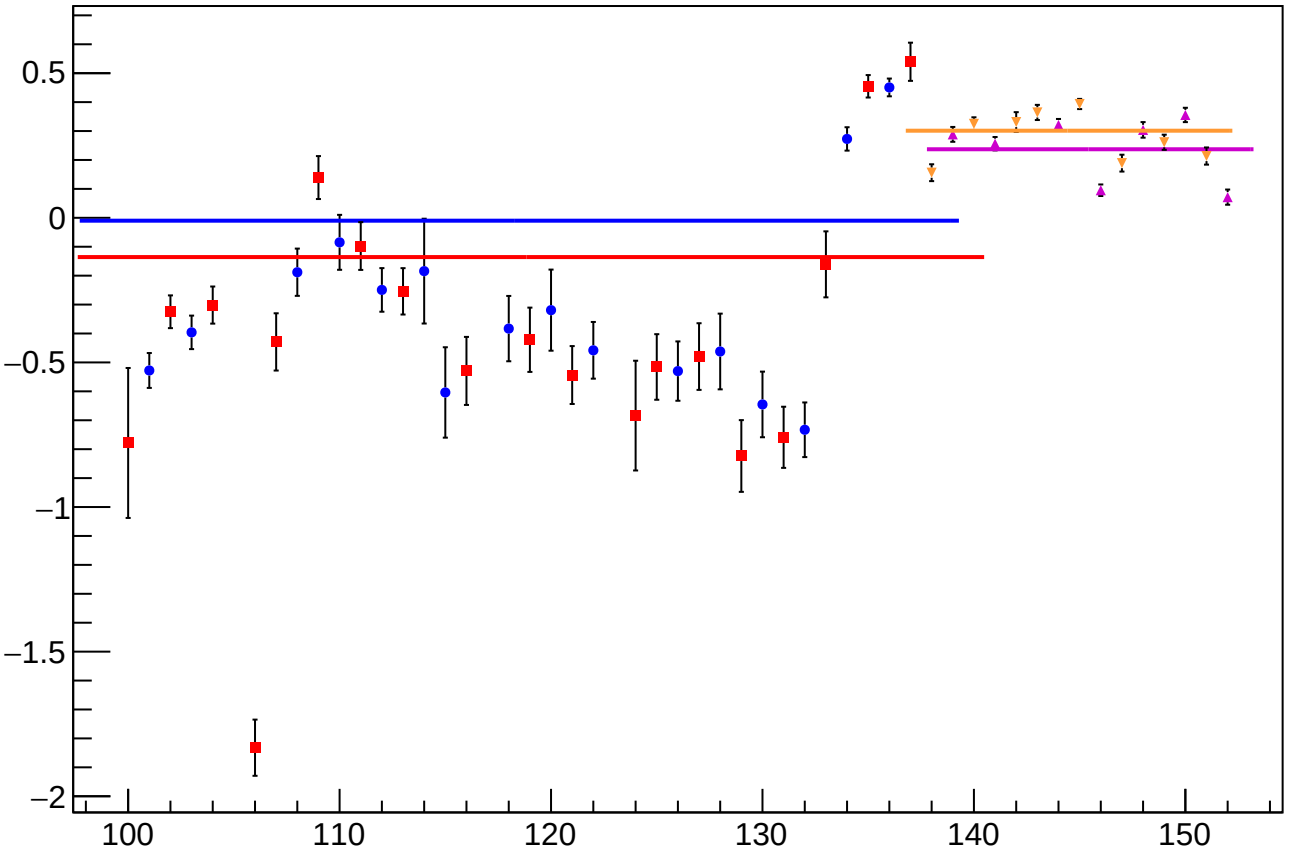
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 36.065+/-0.181 χ^2/NDF:203.0/6

+ sign 33.198+/-0.159 χ^2/NDF: 4782.0/23

All: 33.302+/-0.112 χ^2/NDF: 9795.1/49

- sign 33.406+/-0.159 χ^2/NDF: 5012.3/25



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.301+/-0.009 χ^2/NDF:85.8/7

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

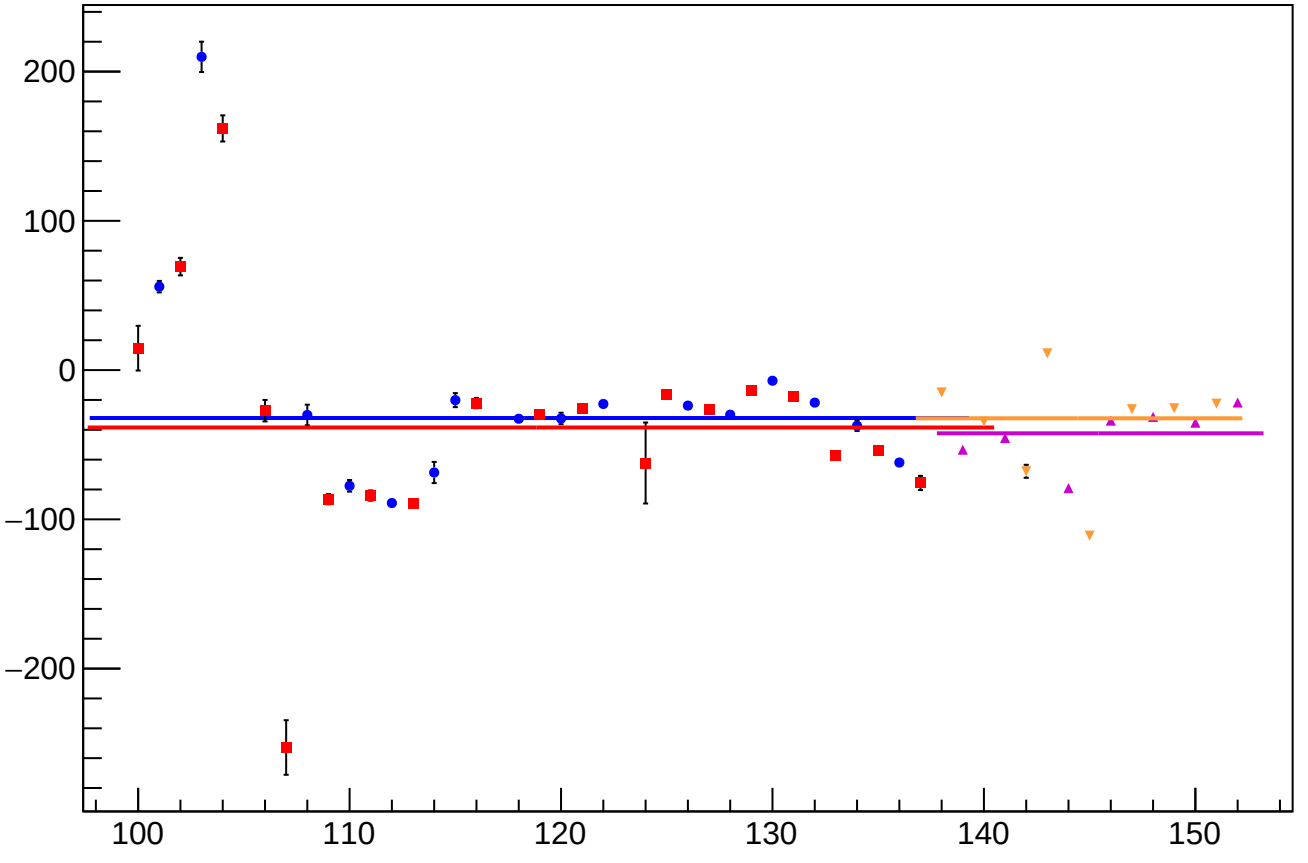
Left In: 0.237+/-0.009 χ^2/NDF:140.6/6

+ sign 0.235+/-0.008 χ^2/NDF: 927.3/23

All: 0.203+/-0.006 χ^2/NDF: 2241.2/49

- sign 0.169+/-0.008 χ^2/NDF: 1279.8/25

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -32.306+/-1.025 χ^2/NDF:914.2/7

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

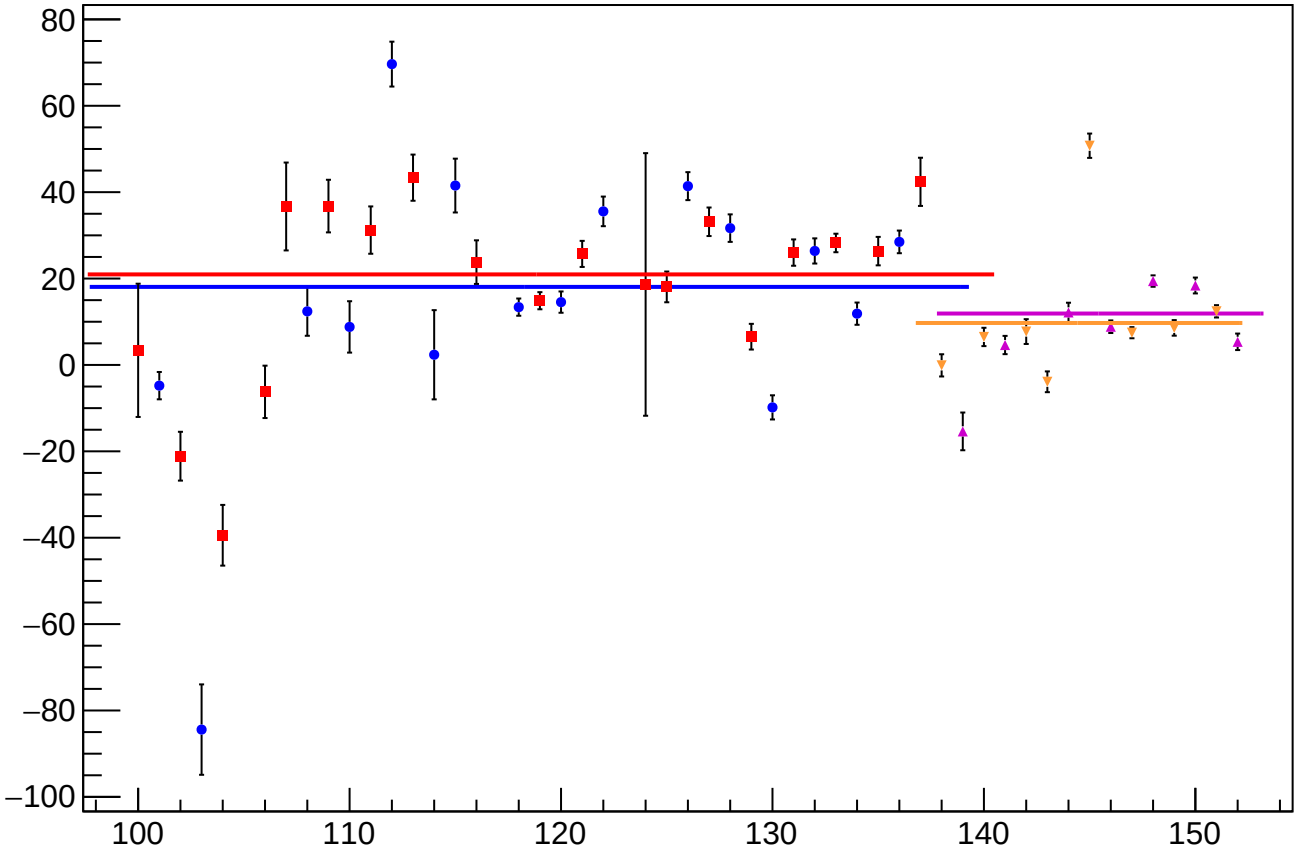
Left In: -42.366+/-1.035 χ^2/NDF:253.6/6

+ sign -32.193+/-0.651 χ^2/NDF: 2791.7/23

All: -36.056+/-0.465 χ^2/NDF: 5097.9/49

- sign -40.067+/-0.663 χ^2/NDF: 2234.5/25

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 9.715+/-0.676 χ^2/NDF:268.7/7

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

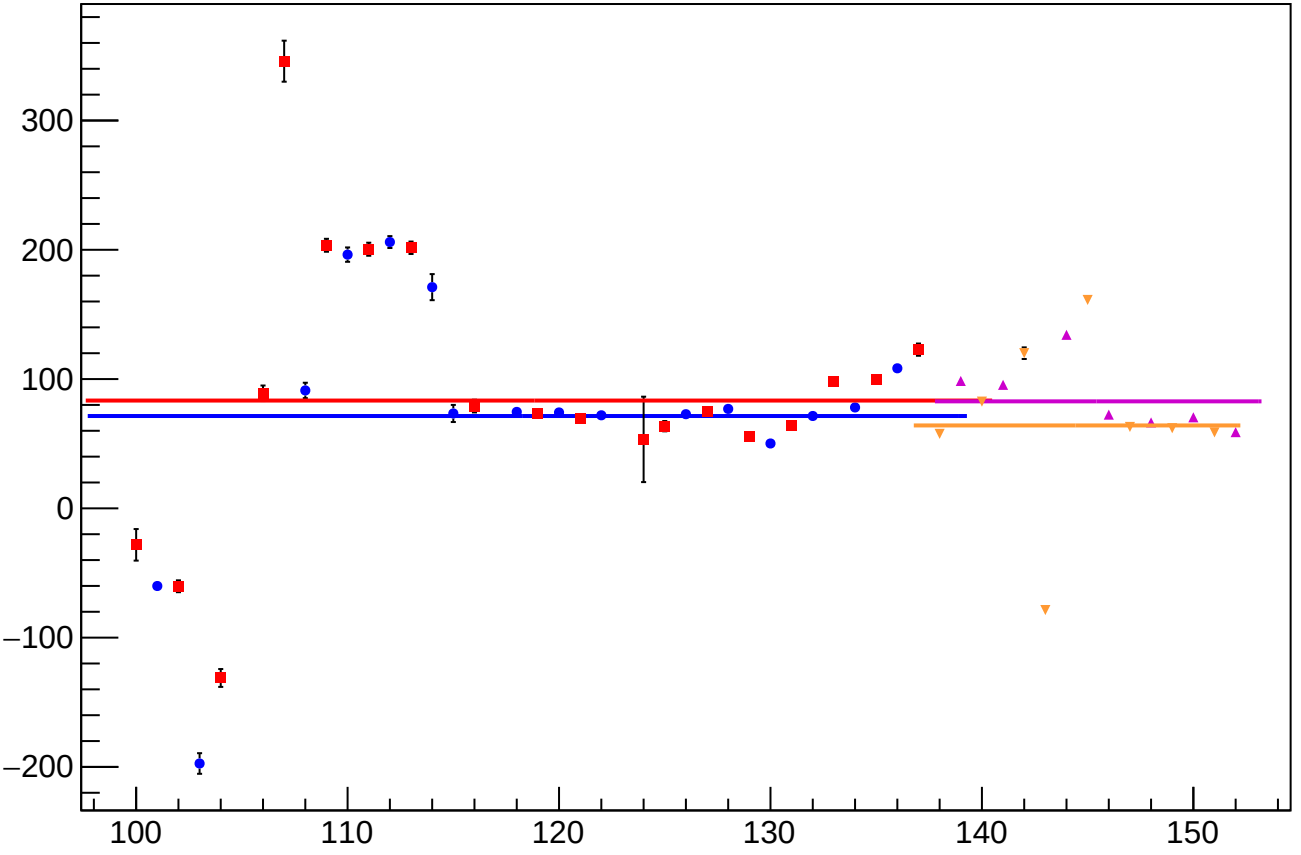
Left In: 11.902+/-0.691 χ^2/NDF:112.0/6

\+ sign 13.080+/-0.522 χ^2/NDF: 829.9/23

All: 14.207+/-0.376 χ^2/NDF: 1280.8/49

\- sign 15.416+/-0.541 χ^2/NDF: 441.2/25

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 64.134+/-1.016 χ^2/NDF:2876.0/7

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

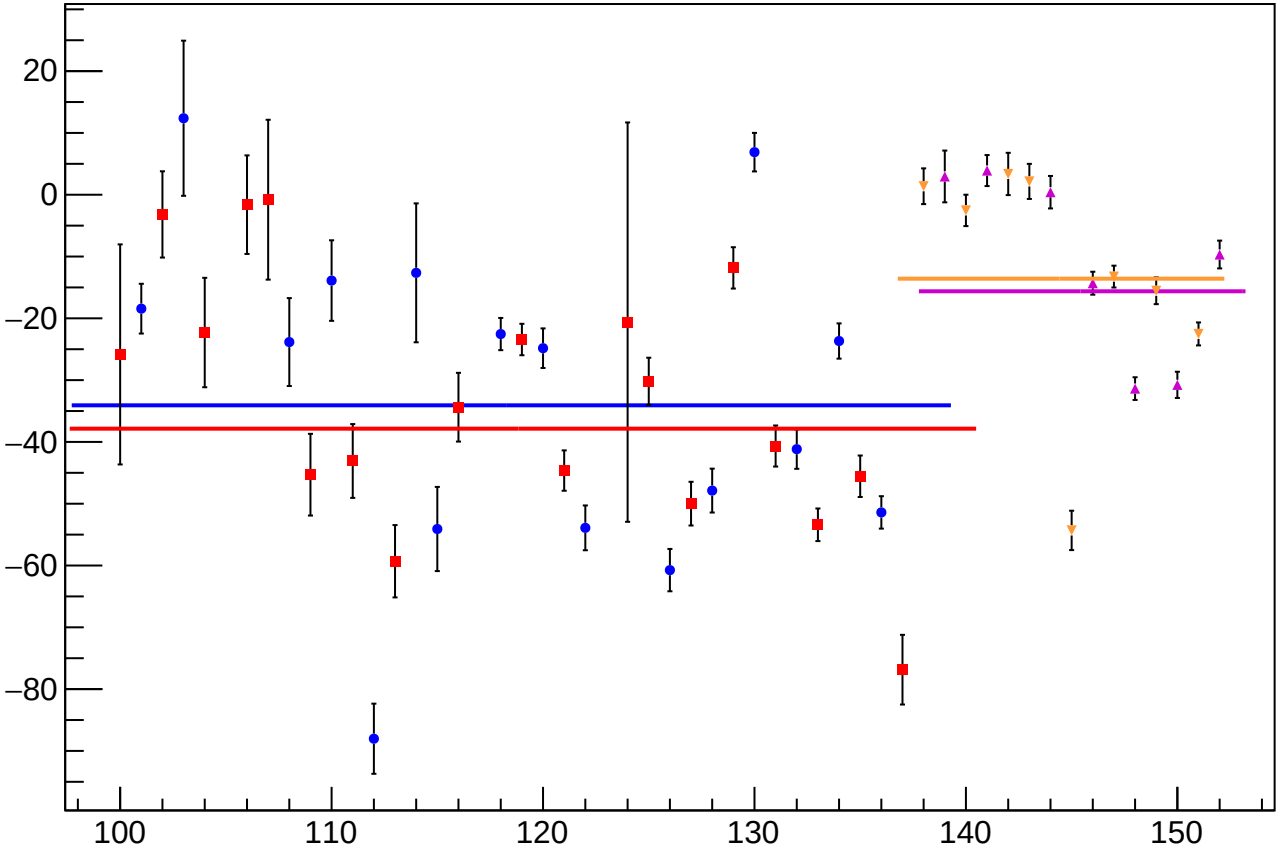
Left In: 82.761+/-1.014 χ^2/NDF:485.3/6

+ sign 68.095+/-0.687 χ^2/NDF: 7723.5/23

All: 75.371+/-0.492 χ^2/NDF: 12737.7/49

- sign 83.082+/-0.707 χ^2/NDF: 4782.8/25

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -13.584+/-0.844 χ^2/NDF:288.3/7

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

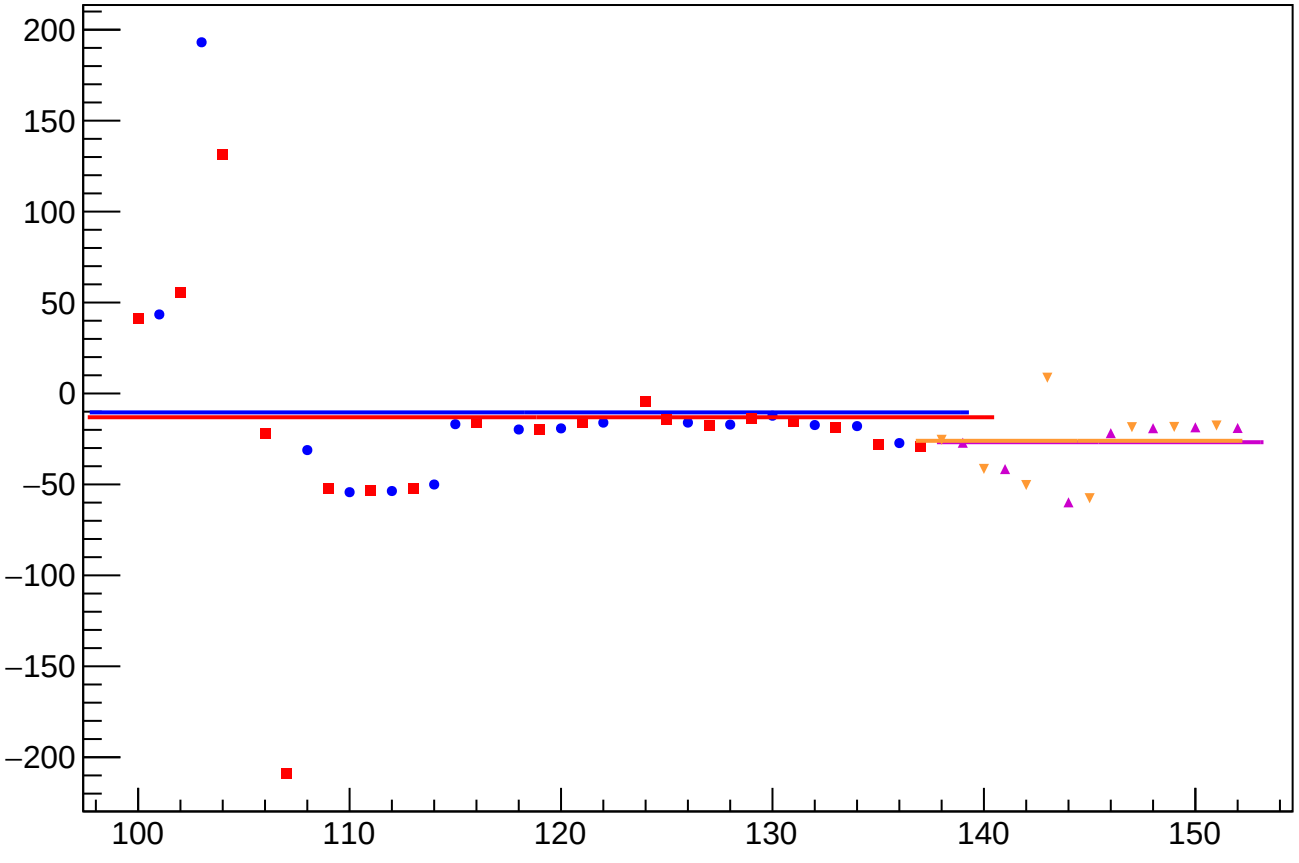
Left In: -15.624+/-0.855 χ^2/NDF:249.6/6

+ sign -22.704+/-0.629 χ^2/NDF: 1062.0/23

All: -23.855+/-0.451 χ^2/NDF: 1880.8/49

- sign -25.080+/-0.648 χ^2/NDF: 811.8/25

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -26.023+/-0.042 χ^2/NDF:172318.3/7

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

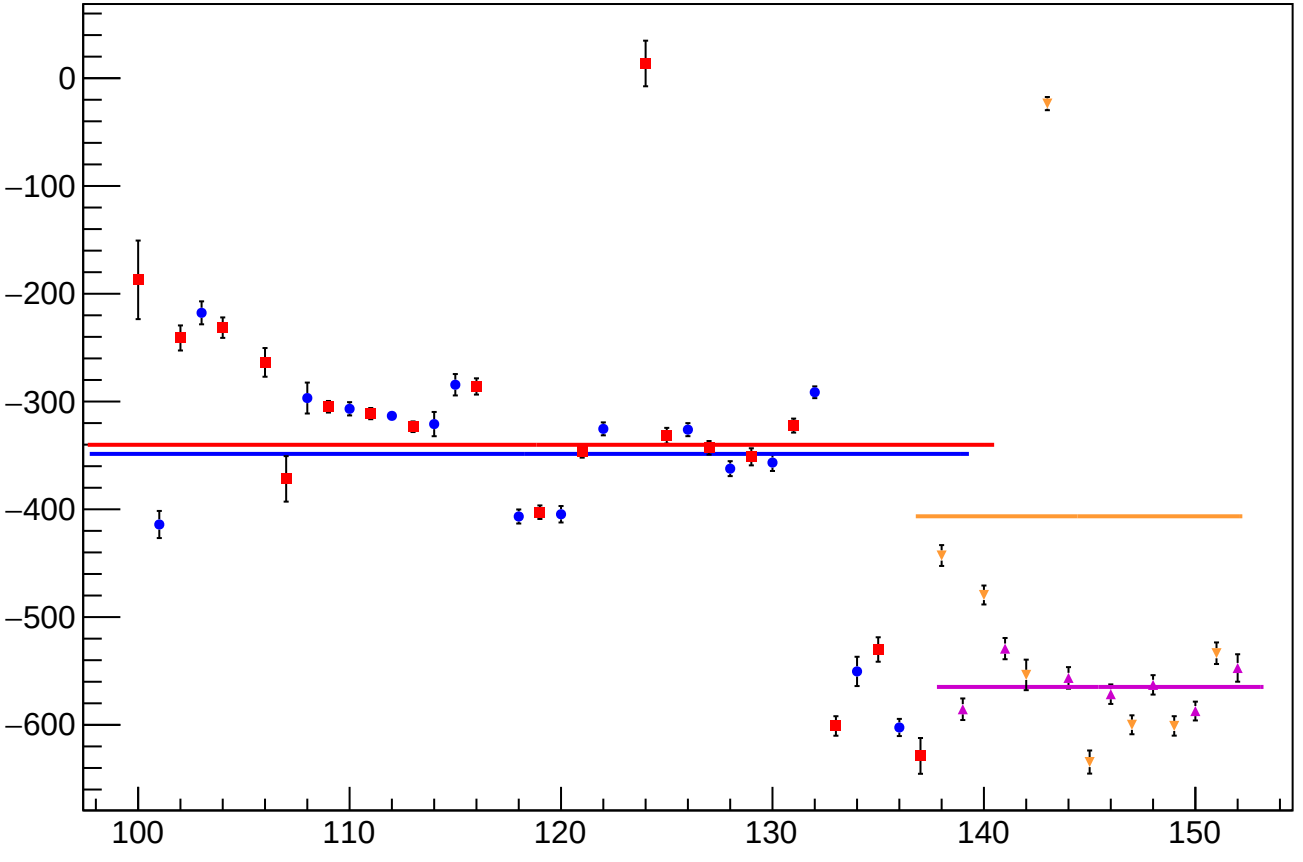
Left In: -26.796+/-0.040 χ^2/NDF:90929.3/6

+ sign -20.507+/-0.034 χ^2/NDF: 743562.4/23

All: -21.652+/-0.024 χ^2/NDF: 1320439.1/49

- sign -22.799+/-0.034 χ^2/NDF: 574574.1/25

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -406.479+/-3.174 χ^2/NDF:5667.7/7

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

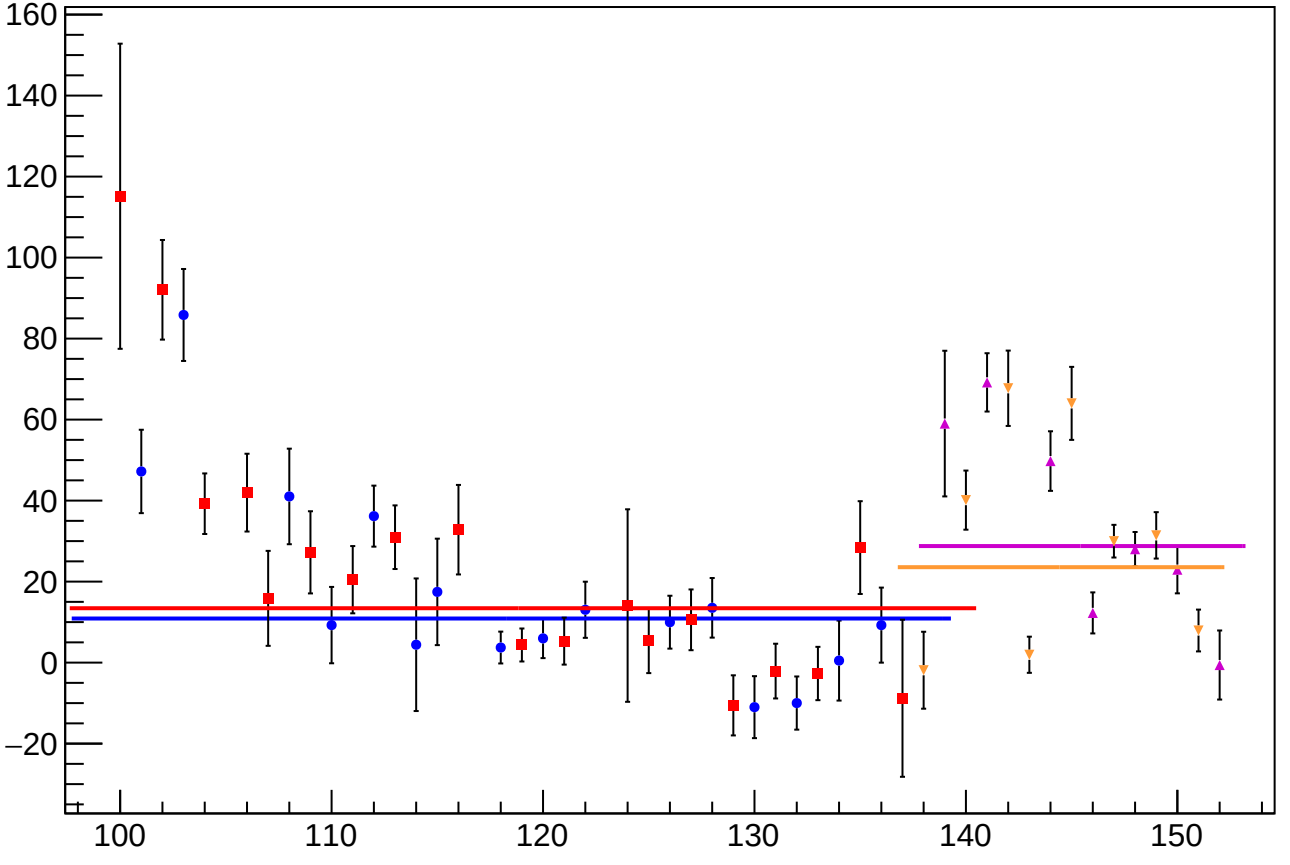
Left In: -564.805+/-3.674 χ^2/NDF:27.1/6

\+ sign -362.963+/-1.582 χ^2/NDF: 7776.0/23

All: -372.481+/-1.120 χ^2/NDF: 13114.7/49

\- sign -382.057+/-1.587 χ^2/NDF: 5266.1/25

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 23.560+/-2.070 χ^2/NDF:92.0/7

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

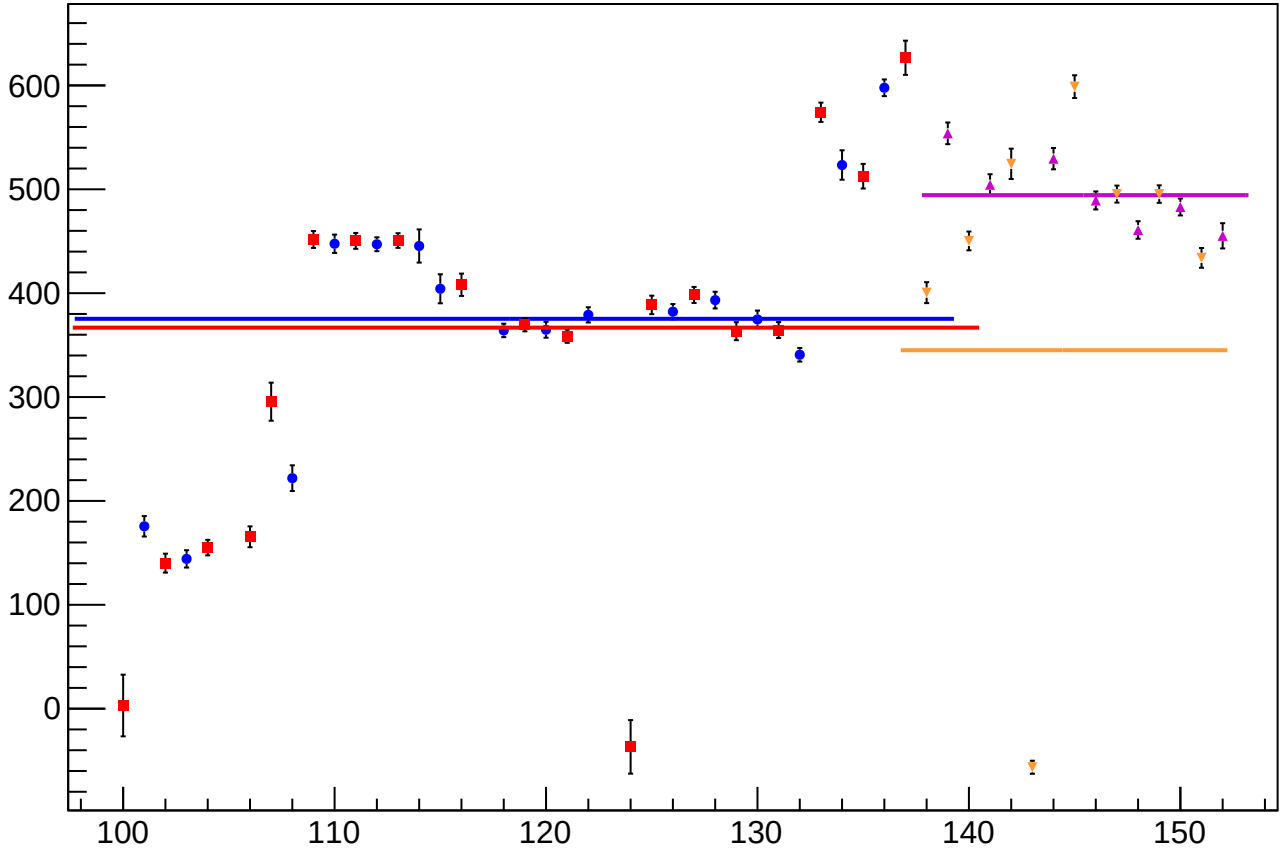
Left In: 28.777+/-2.368 χ^2/NDF:66.0/6

+ sign 16.490+/-1.376 χ^2/NDF: 211.2/23

All: 17.794+/-1.002 χ^2/NDF: 417.5/49

- sign 19.262+/-1.460 χ^2/NDF: 204.4/25

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 345.083+/-3.157 χ^2/NDF:5660.8/7

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

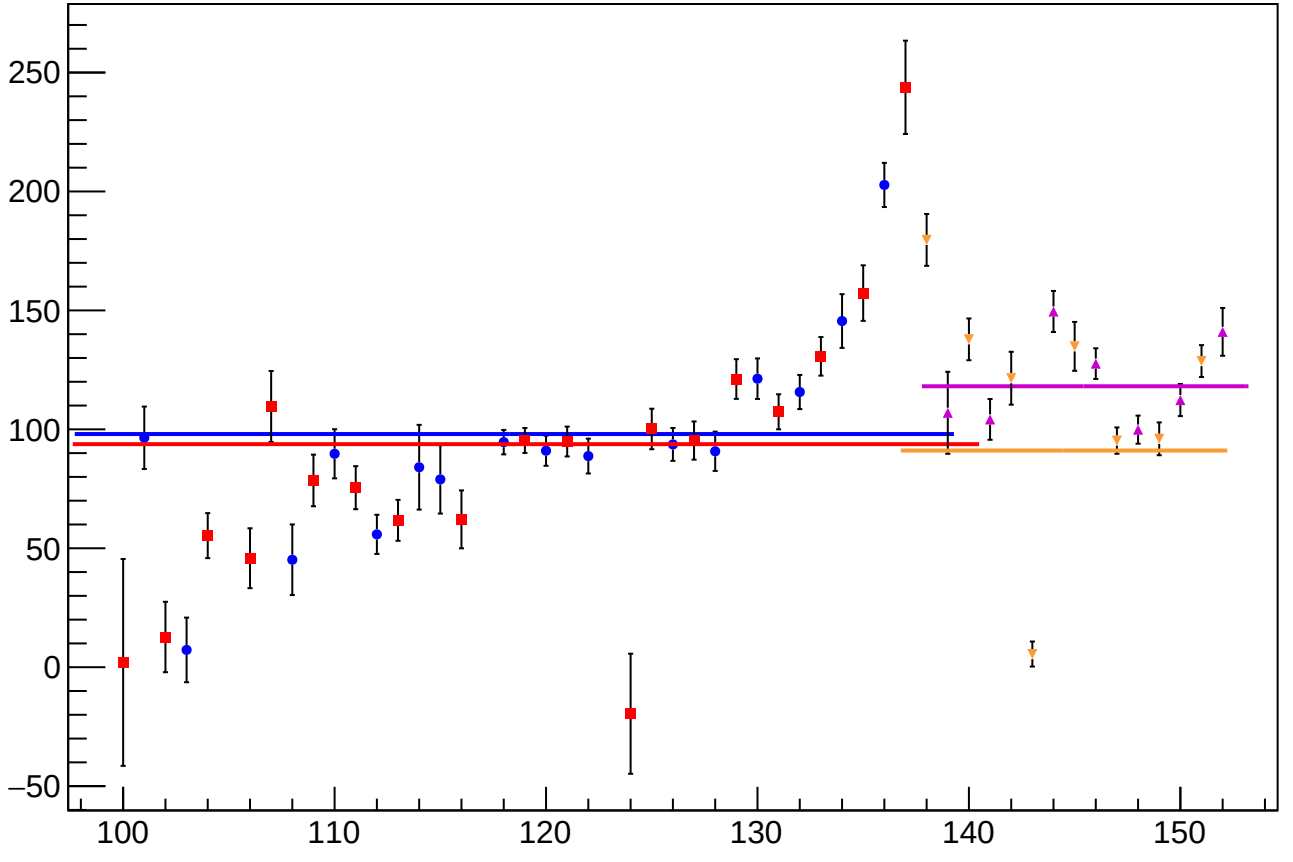
Left In: 494.387+/-3.589 χ^2/NDF:73.7/6

+ sign 366.028+/-1.750 χ^2/NDF: 8173.8/23

All: 381.839+/-1.248 χ^2/NDF: 12907.0/49

- sign 398.191+/-1.780 χ^2/NDF: 4567.2/25

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 91.087+/-2.574 χ^2/NDF:416.7/7

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

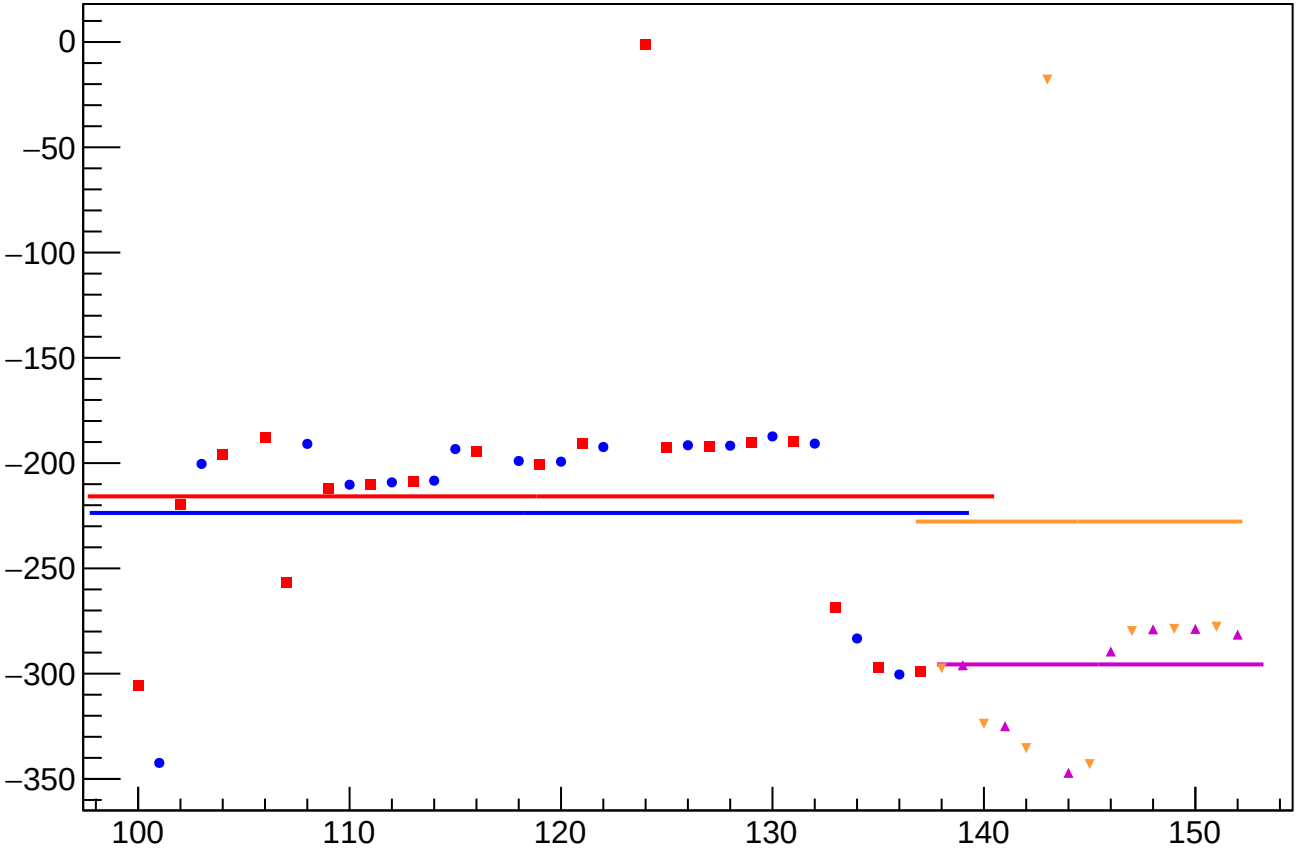
Left In: 118.108+/-2.951 χ^2/NDF:33.9/6

+ sign 95.180+/-1.647 χ^2/NDF: 670.5/23

All: 98.492+/-1.194 χ^2/NDF: 994.7/49

- sign 102.151+/-1.732 χ^2/NDF: 315.7/25

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -227.759+/-0.132 χ^2/NDF:892482.2/7

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

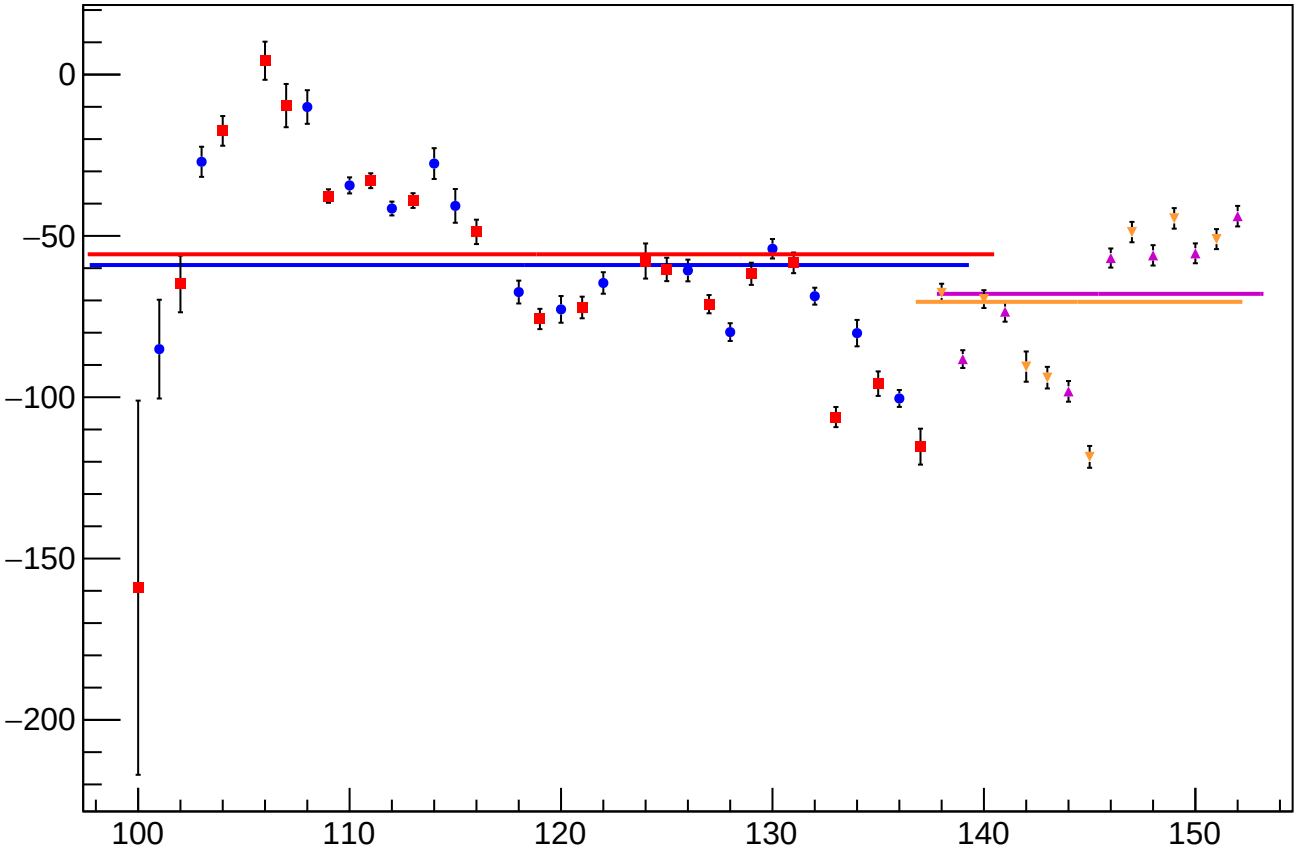
Left In: -295.613+/-0.144 χ^2/NDF:23814.4/6

+ sign -225.809+/-0.095 χ^2/NDF: 1014469.1/23

All: -238.901+/-0.068 χ^2/NDF: 1322357.5/49

- sign -252.803+/-0.098 χ^2/NDF: 269096.3/25

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -70.436+/-1.133 χ^2/NDF:421.9/7

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

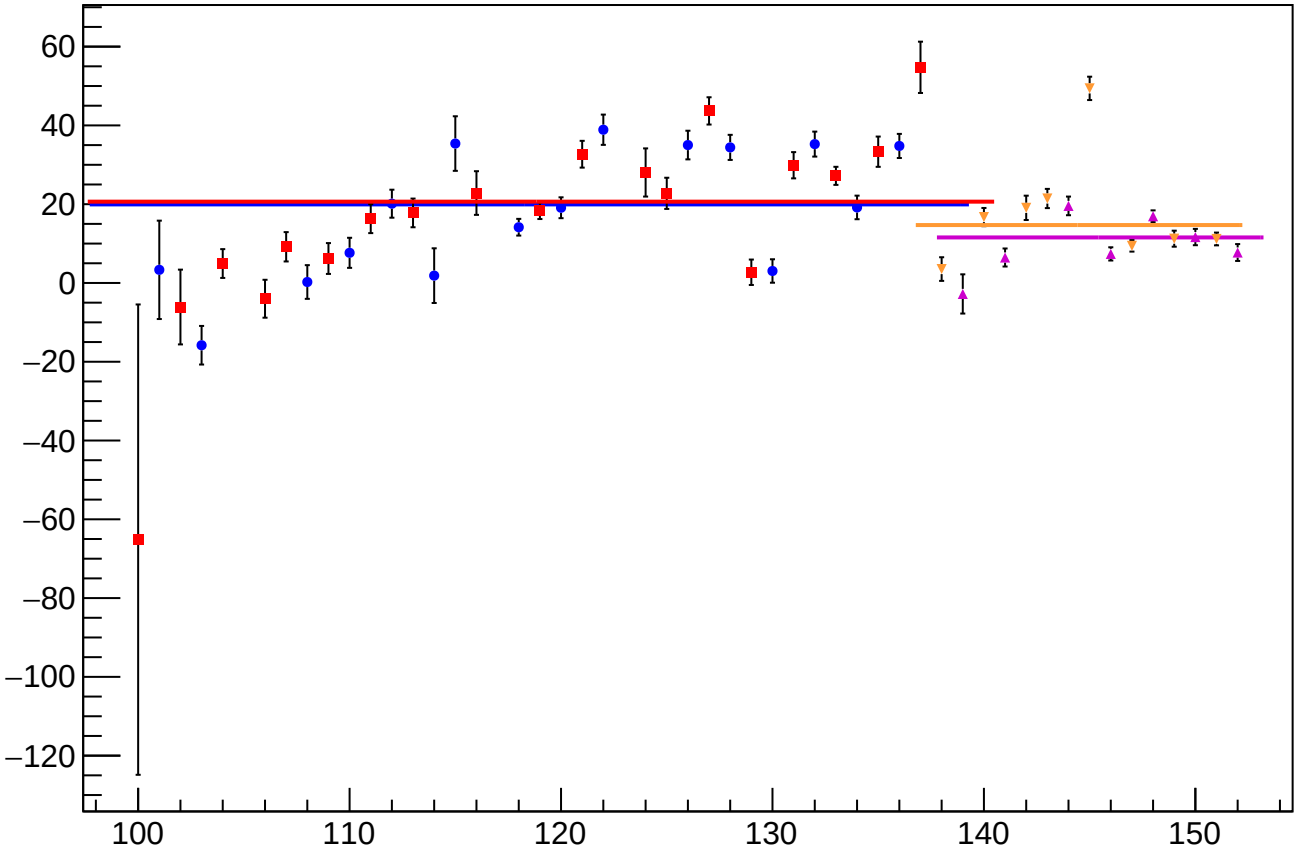
Left In: -67.958+/-1.155 χ^2/NDF:247.9/6

+ sign -63.009+/-0.669 χ^2/NDF: 1215.2/23

All: -61.265+/-0.467 χ^2/NDF: 2594.2/49

- sign -59.608+/-0.652 χ^2/NDF: 1365.8/25

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 14.701+/-0.750 χ^2/NDF:182.1/7

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

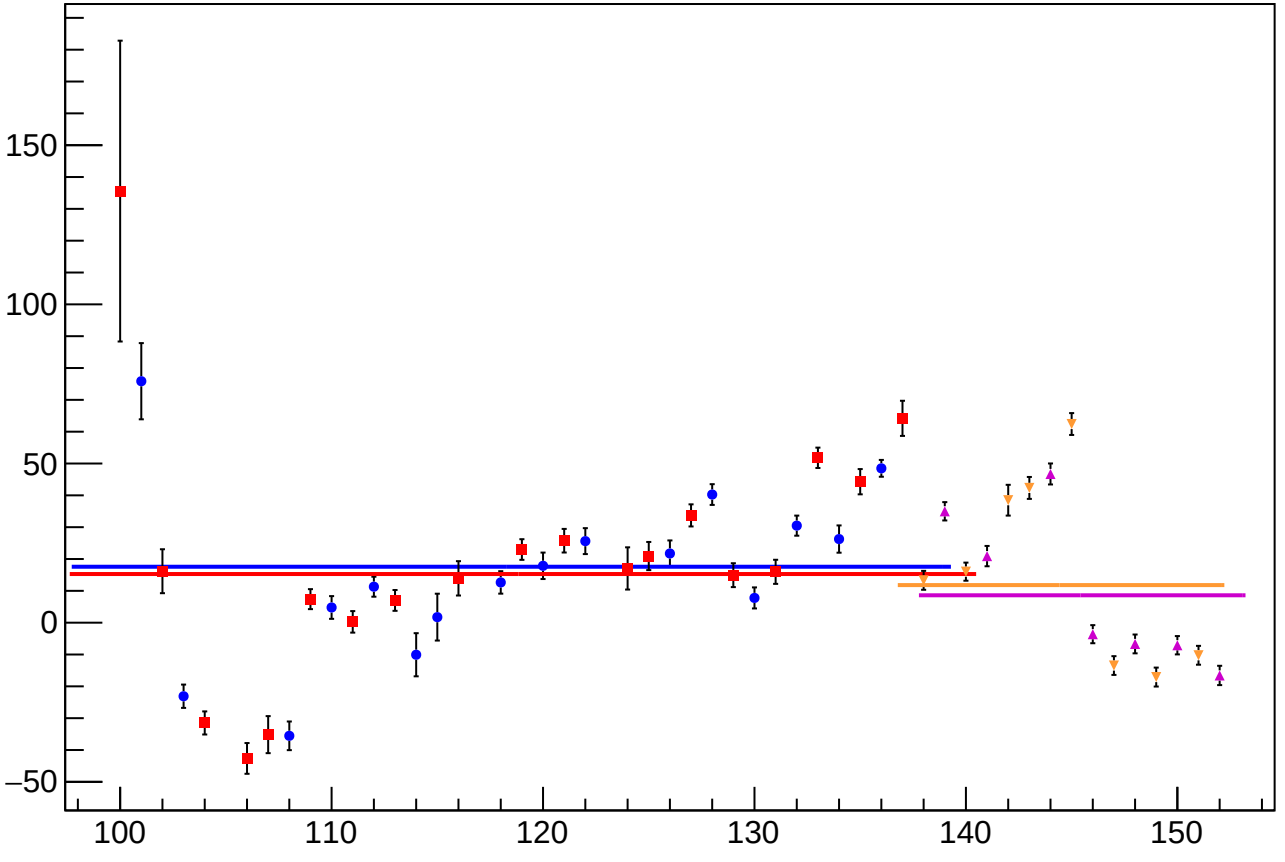
Left In: 11.558+/-0.775 χ^2/NDF:47.1/6

+ sign 16.944+/-0.567 χ^2/NDF: 450.2/23

All: 16.334+/-0.402 χ^2/NDF: 787.3/49

- sign 15.716+/-0.571 χ^2/NDF: 334.7/25

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 11.808+/-1.124 χ^2/NDF:551.8/7

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

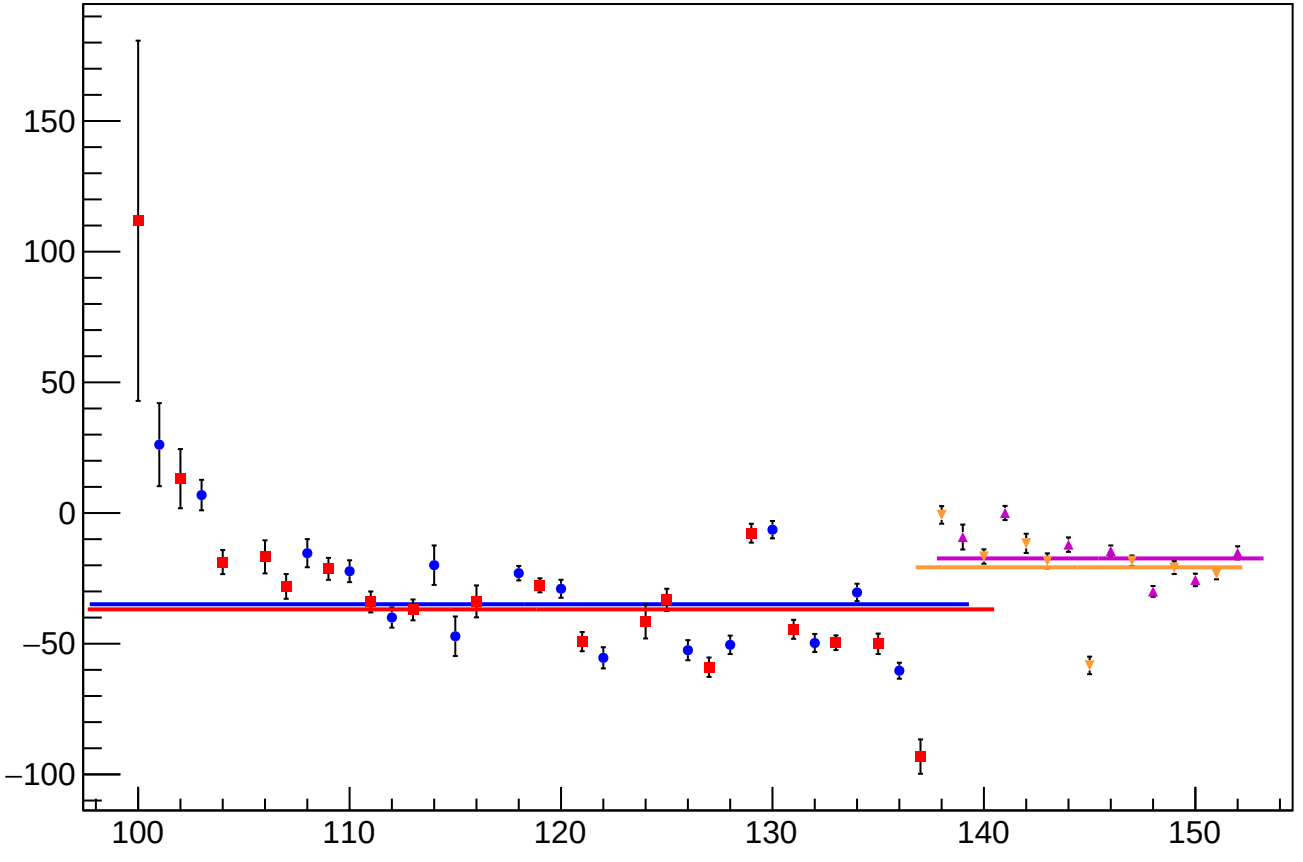
Left In: 8.605+/-1.134 χ^2/NDF:376.2/6

\+ sign 15.152+/-0.729 χ^2/NDF: 1113.3/23

All: 13.854+/-0.512 χ^2/NDF: 2246.4/49

\- sign 12.583+/-0.721 χ^2/NDF: 1126.9/25

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -20.769+/-0.934 χ^2/NDF:172.7/7

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

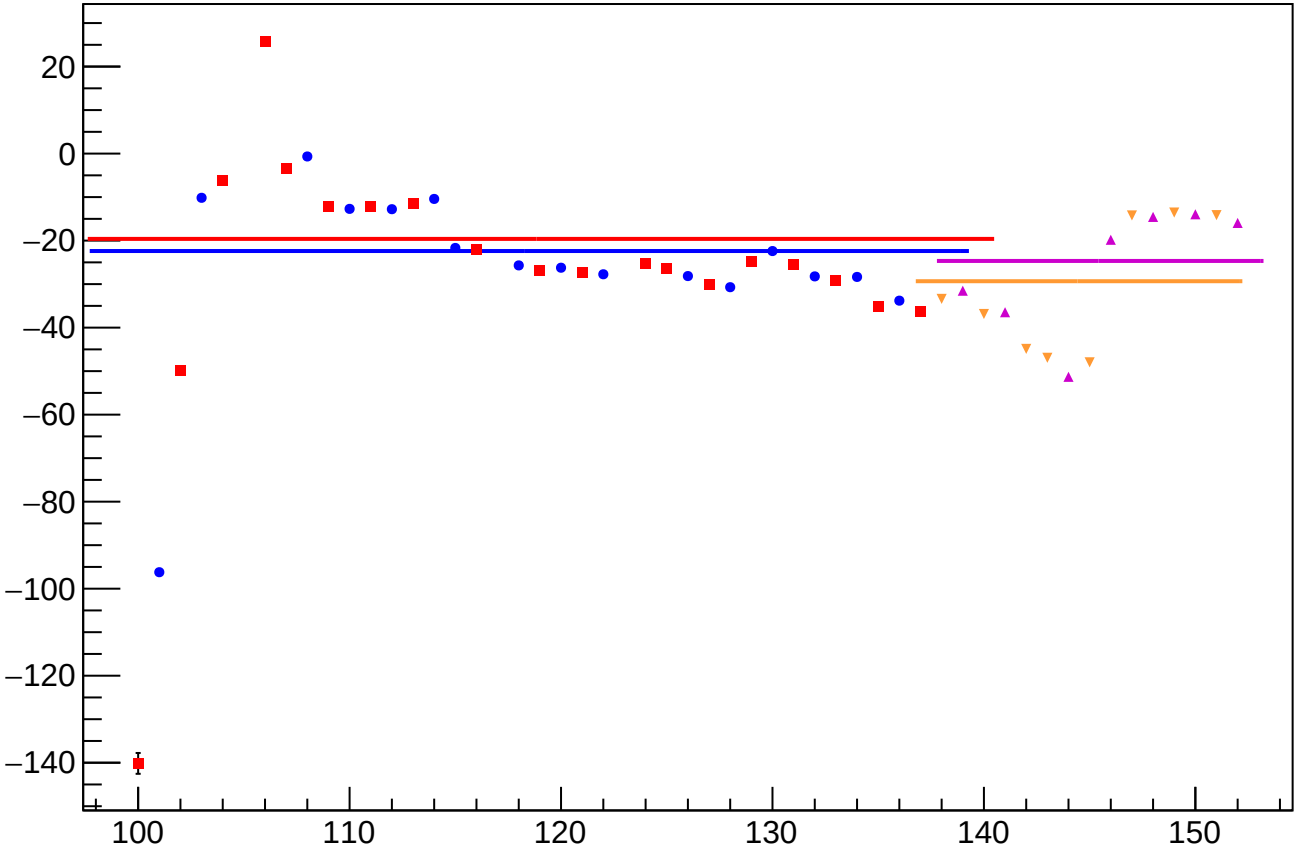
Left In: -17.366+/-0.956 χ^2/NDF:98.9/6

+ sign -27.421+/-0.679 χ^2/NDF: 627.1/23

All: -27.200+/-0.481 χ^2/NDF: 1232.3/49

- sign -26.977+/-0.681 χ^2/NDF: 605.0/25

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -29.334+/-0.046 χ^2/NDF:91868.5/7

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

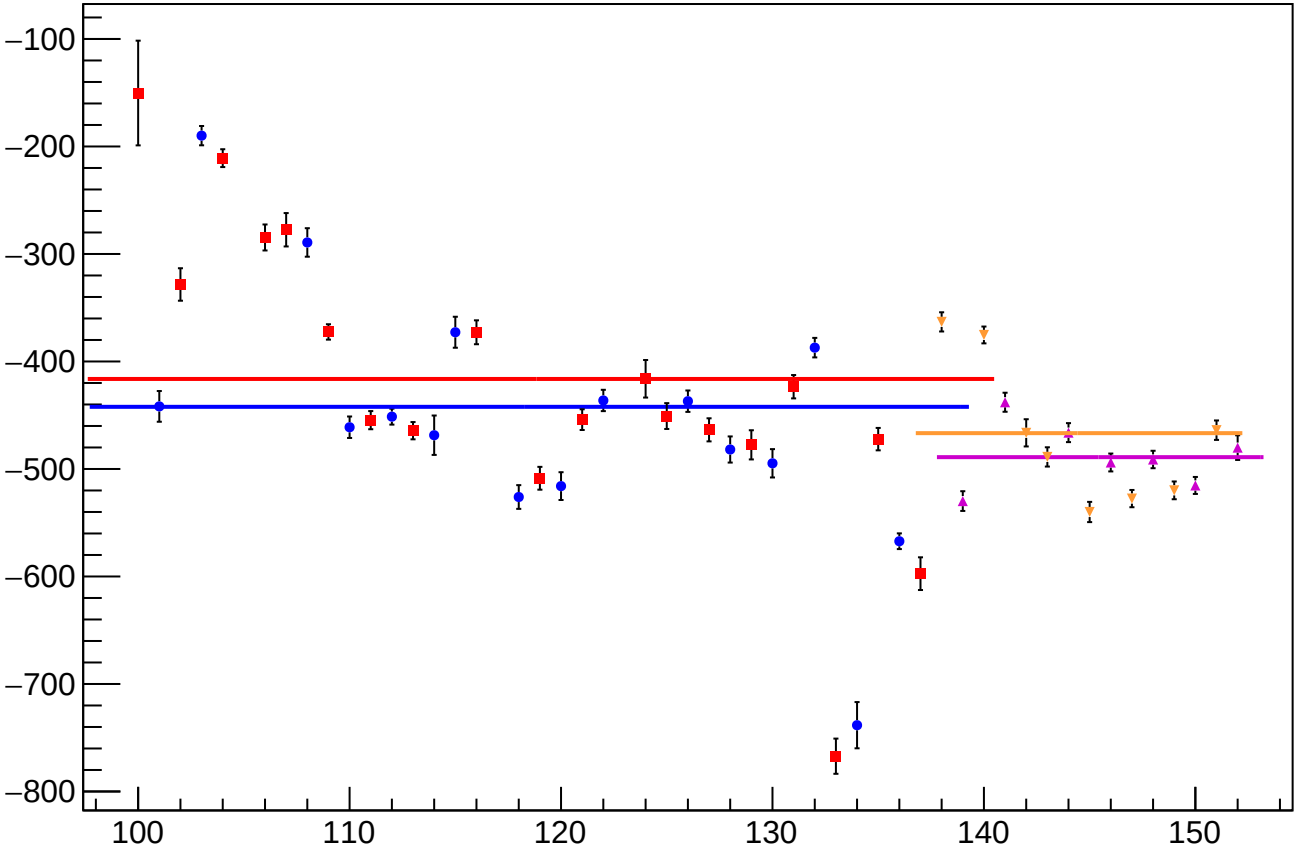
Left In: -24.674+/-0.045 χ^2/NDF:68850.1/6

+ sign -26.639+/-0.036 χ^2/NDF: 147058.9/23

All: -24.710+/-0.026 χ^2/NDF: 309967.4/49

- sign -22.830+/-0.036 χ^2/NDF: 157340.7/25

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -466.673+/-3.143 χ^2/NDF:436.5/7

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

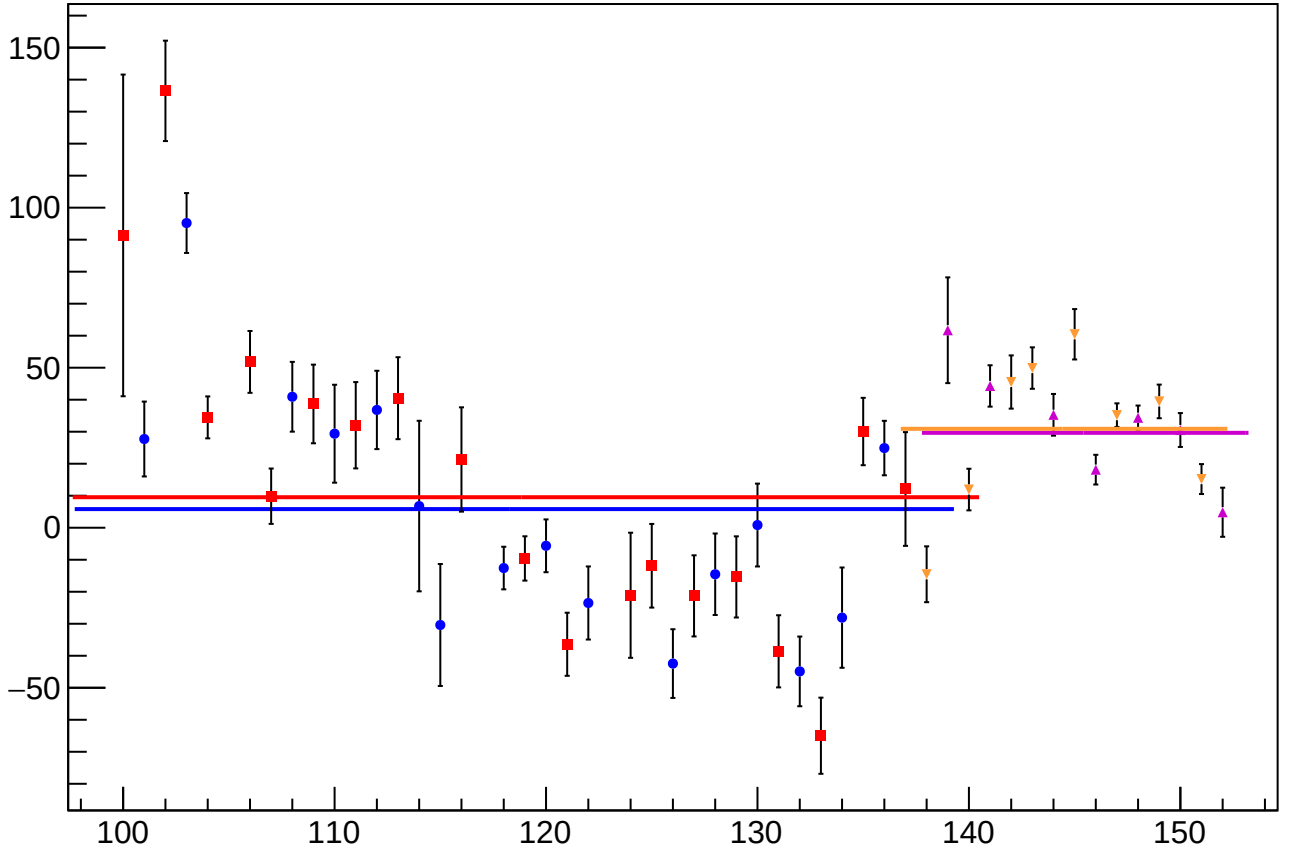
Left In: -488.996+/-3.319 χ^2/NDF:71.9/6

+ sign -452.499+/-2.040 χ^2/NDF: 2060.7/23

All: -447.618+/-1.431 χ^2/NDF: 4202.1/49

- sign -442.887+/-2.008 χ^2/NDF: 2130.1/25

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 30.910+/-2.013 χ^2/NDF:76.7/7

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

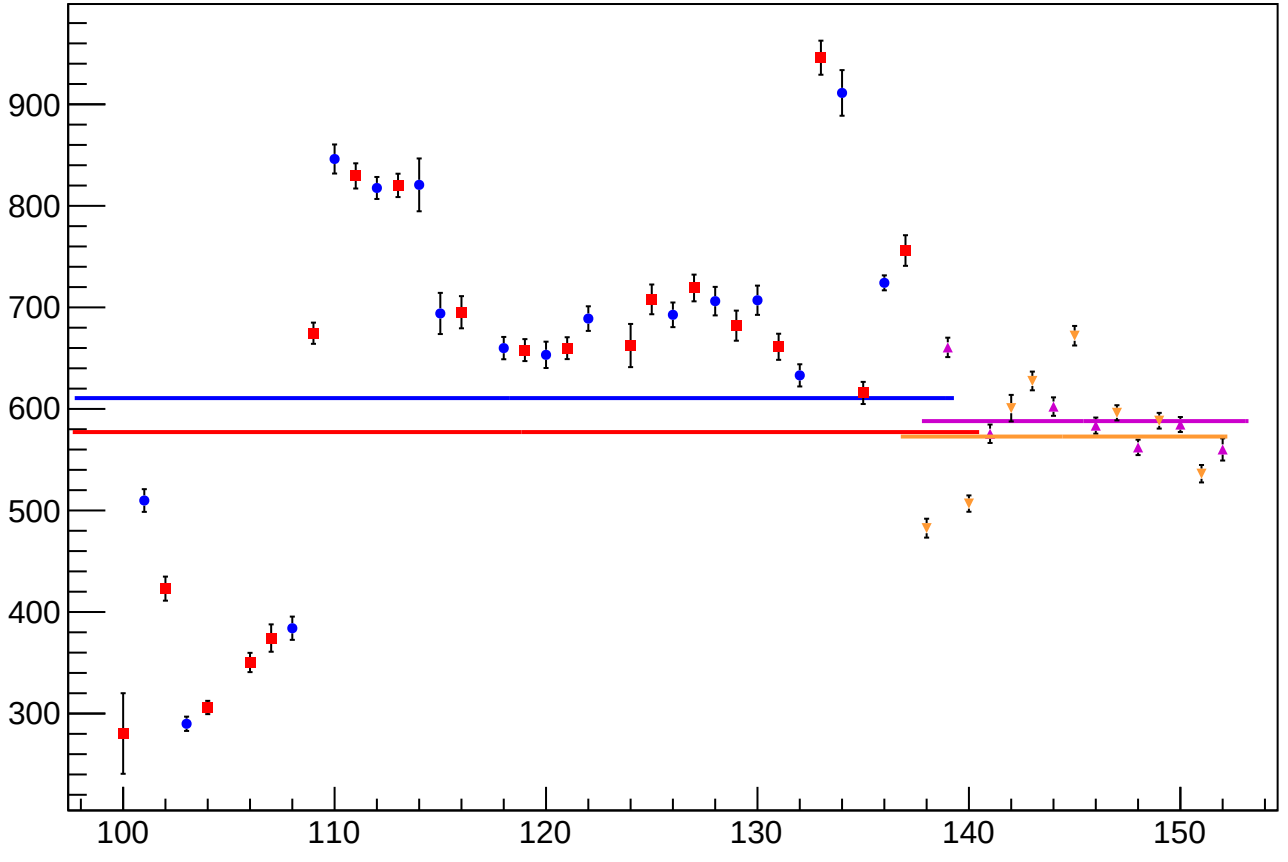
Left In: 29.649+/-2.137 χ^2/NDF:27.8/6

+ sign 22.066+/-1.620 χ^2/NDF: 319.5/23

All: 21.724+/-1.152 χ^2/NDF: 606.0/49

- sign 21.374+/-1.640 χ^2/NDF: 286.4/25

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 572.801+/-3.108 χ^2/NDF:339.2/7

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

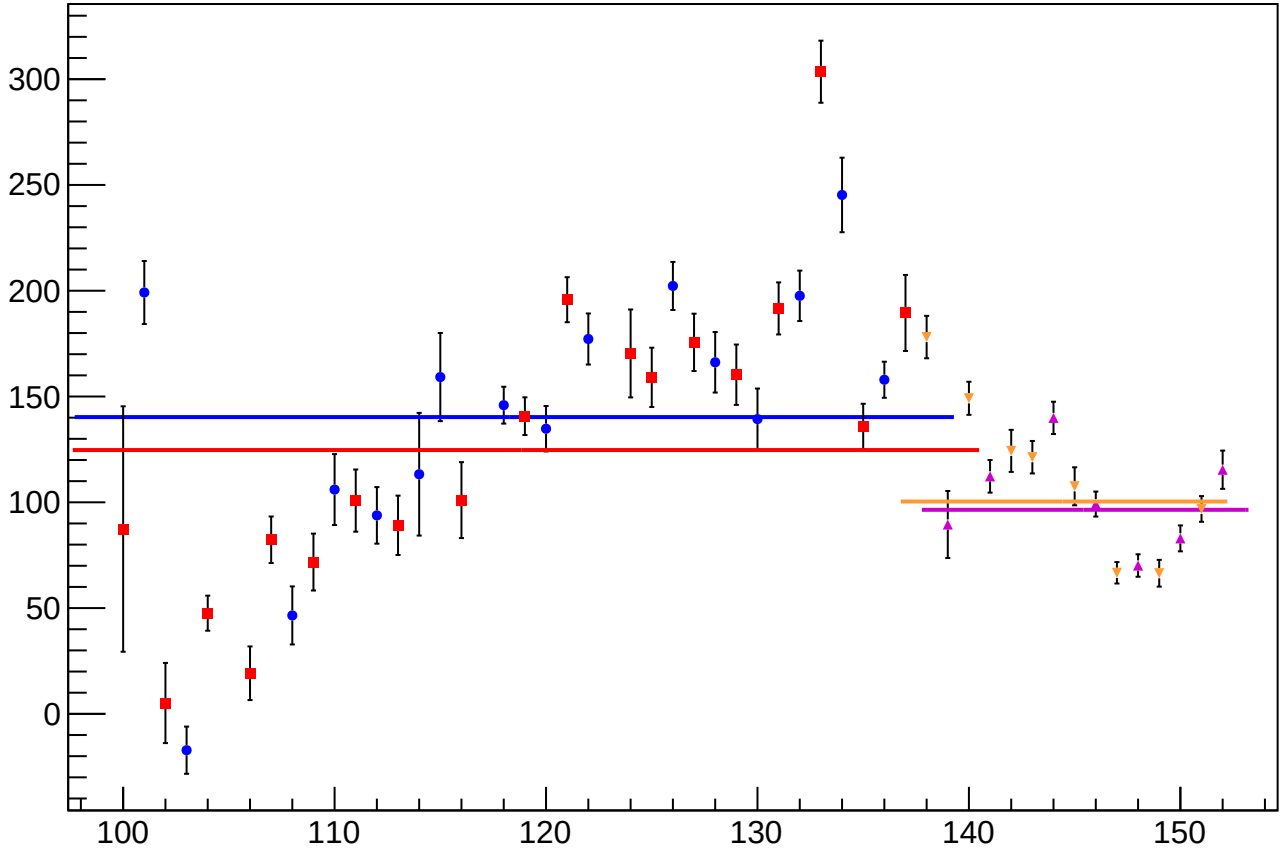
Left In: 588.013+/-3.243 χ^2/NDF:80.7/6

+ sign 593.091+/-2.117 χ^2/NDF: 4311.3/23

All: 587.366+/-1.491 χ^2/NDF: 9213.3/49

- sign 581.735+/-2.100 χ^2/NDF: 4887.4/25

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 100.369+/-2.524 χ^2/NDF:186.3/7

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

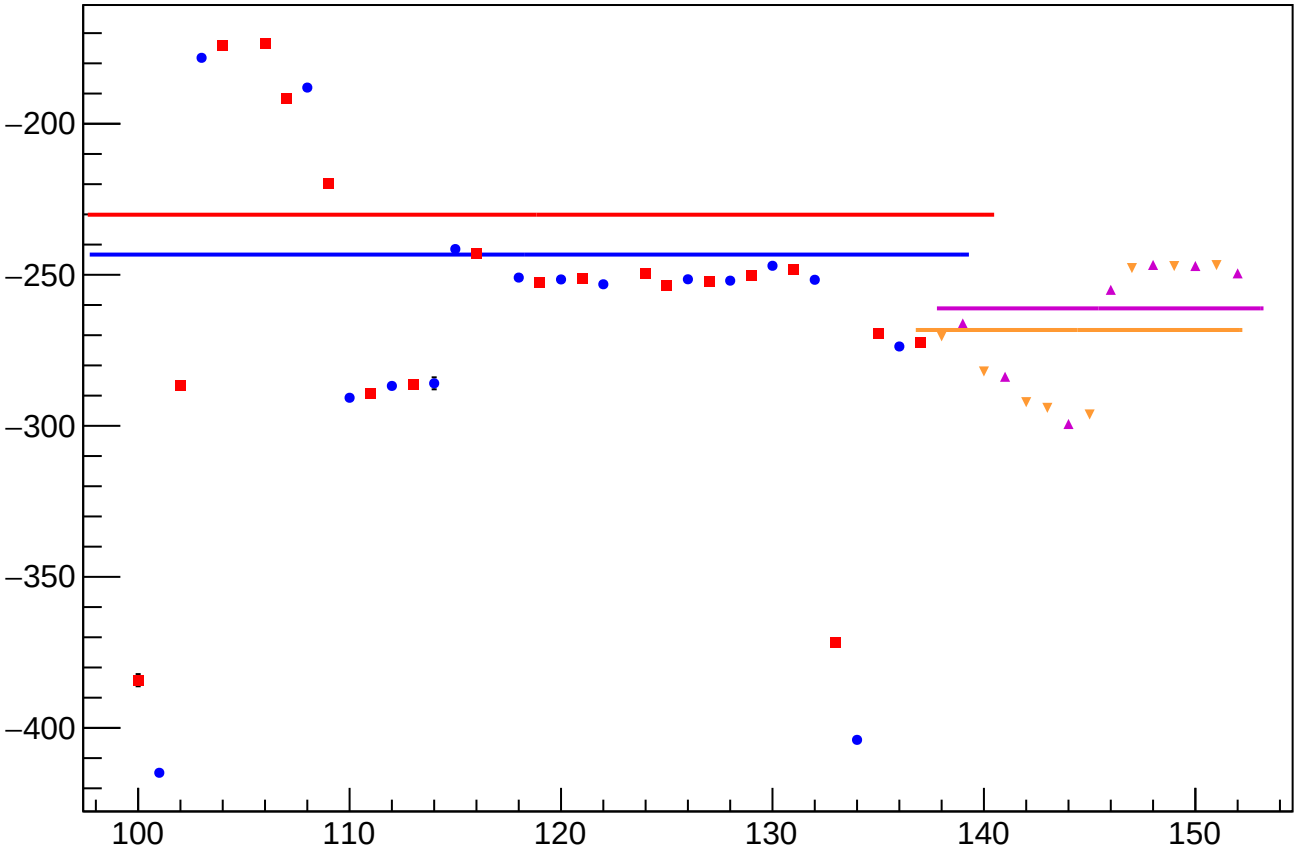
Left In: 96.451+/-2.664 χ^2/NDF:70.8/6

+ sign 115.963+/-1.970 χ^2/NDF: 669.5/23

All: 112.511+/-1.398 χ^2/NDF: 1304.9/49

- sign 109.003+/-1.986 χ^2/NDF: 629.3/25

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -268.273+/-0.130 χ^2/NDF:25344.8/7

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

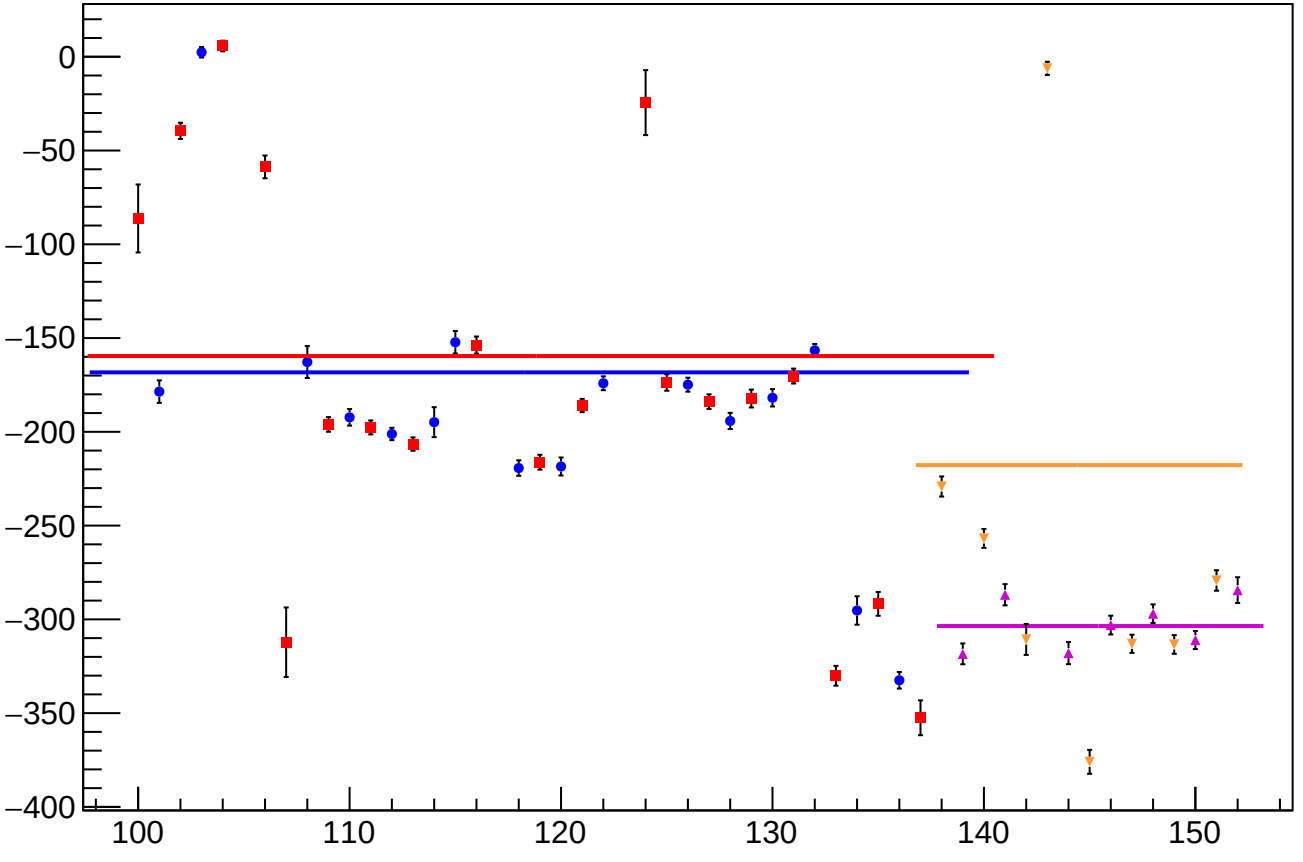
Left In: -261.118+/-0.131 χ^2/NDF:18335.2/6

+ sign -258.522+/-0.102 χ^2/NDF: 213213.7/23

All: -253.443+/-0.071 χ^2/NDF: 361940.3/49

- sign -248.471+/-0.101 χ^2/NDF: 143778.7/25

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -217.731+/-1.792 χ^2/NDF:5323.8/7

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

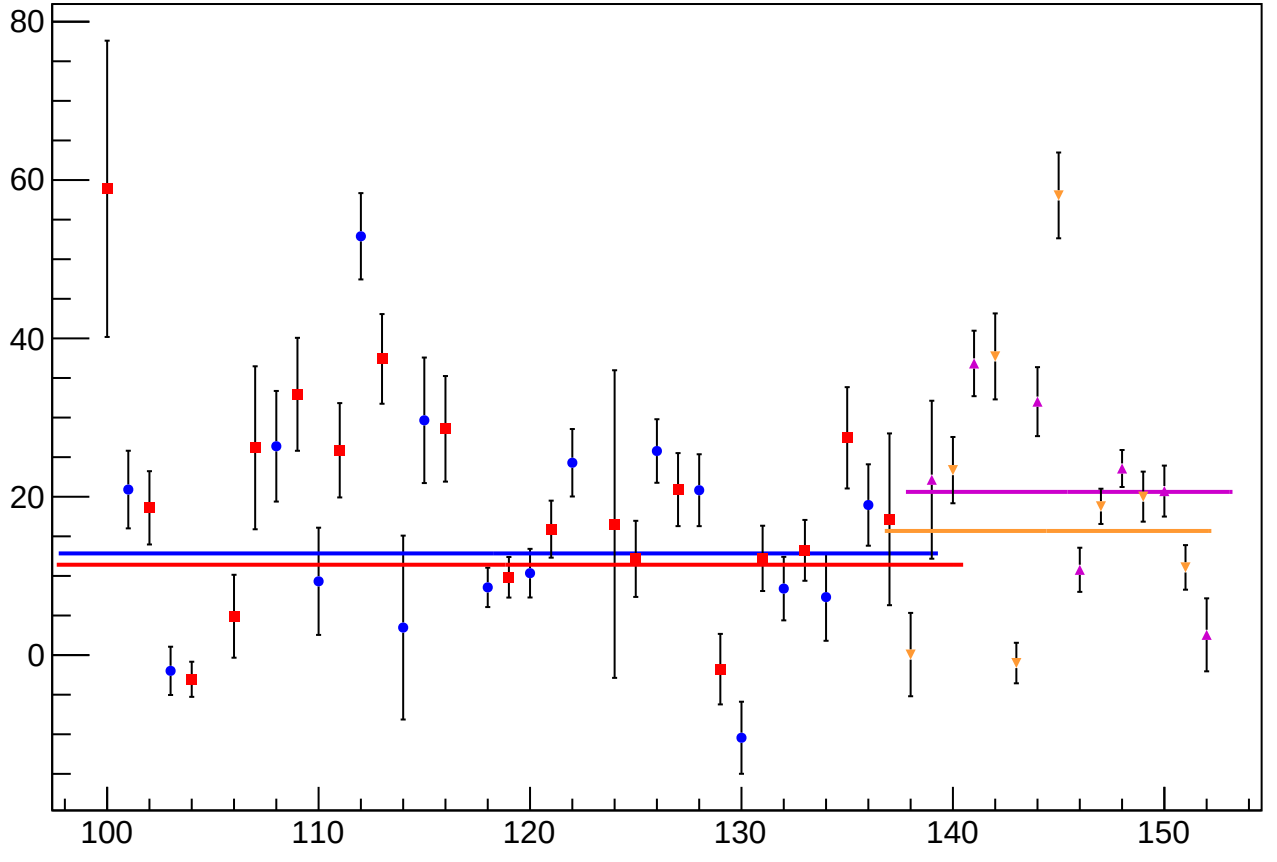
Left In: -303.563+/-2.054 χ^2/NDF:33.7/6

+ sign -181.387+/-0.922 χ^2/NDF: 11790.8/23

All: -185.207+/-0.655 χ^2/NDF: 22963.8/49

- sign -189.086+/-0.929 χ^2/NDF: 11138.5/25

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 15.680+/-1.161 χ^2/NDF:138.9/7

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

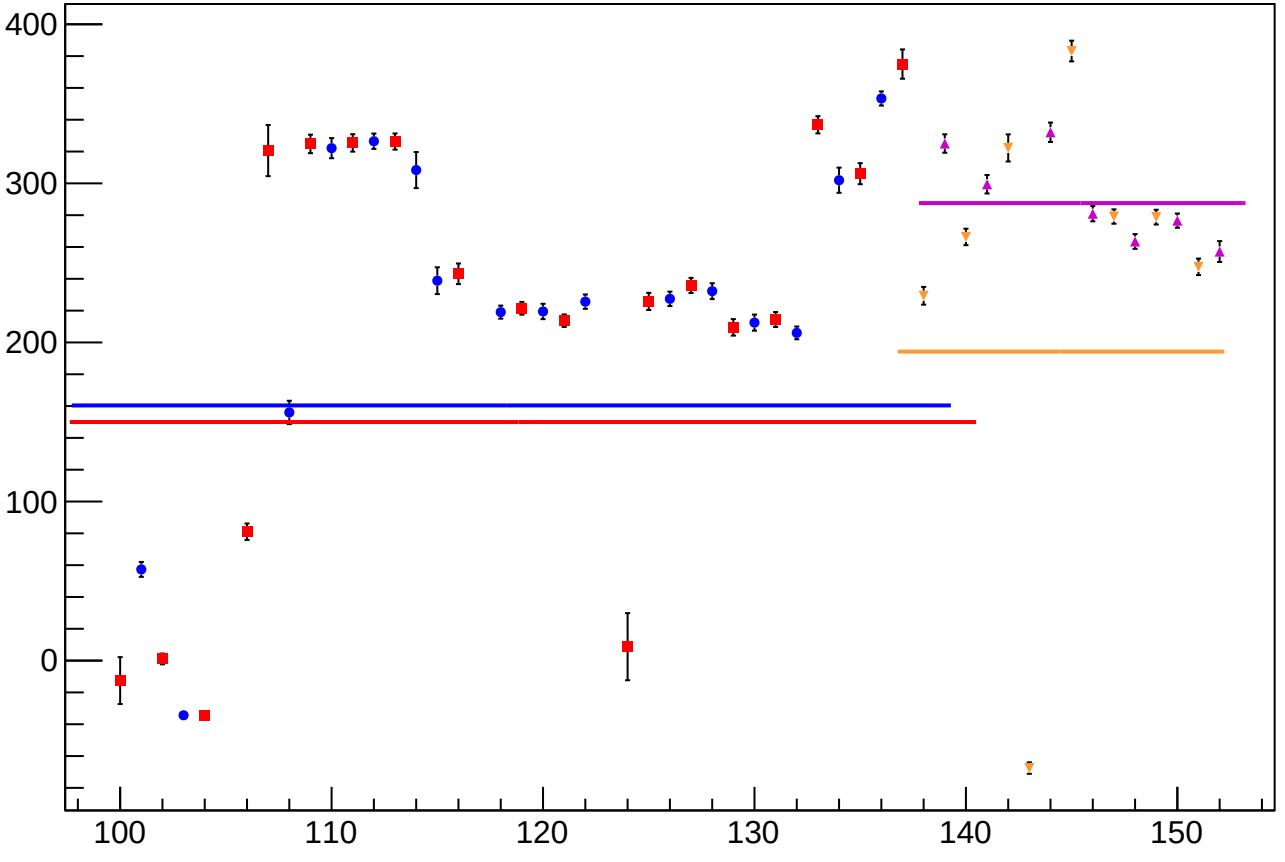
Left In: 20.613+/-1.317 χ^2/NDF:51.7/6

+ sign 14.154+/-0.789 χ^2/NDF: 285.8/23

All: 14.530+/-0.567 χ^2/NDF: 487.6/49

- sign 14.929+/-0.814 χ^2/NDF: 201.4/25

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 194.256+/-1.779 χ^2/NDF:7350.7/7

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

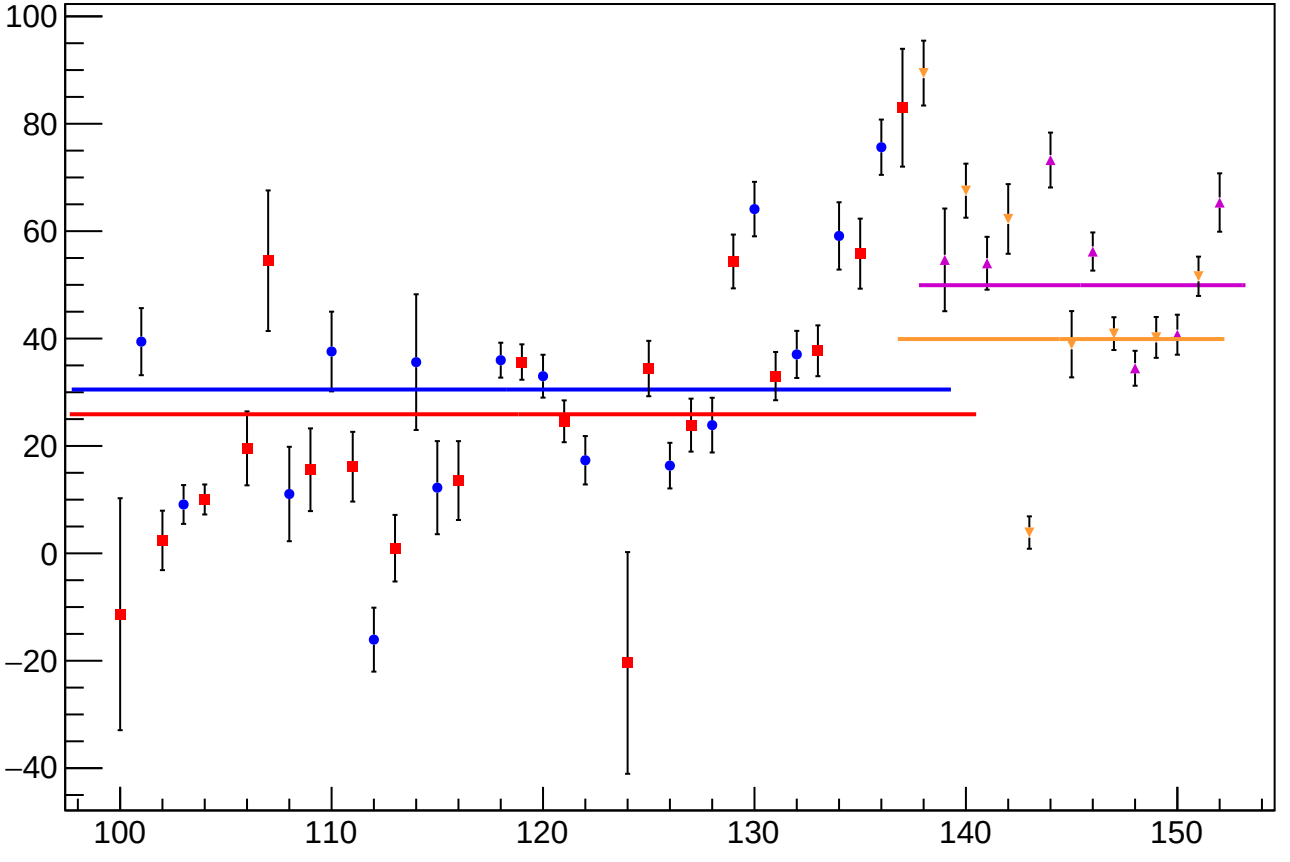
Left In: 287.609+/-2.003 χ^2/NDF:155.9/6

+ sign 170.249+/-0.959 χ^2/NDF: 21557.3/23

All: 176.147+/-0.682 χ^2/NDF: 41671.4/49

- sign 182.163+/-0.969 χ^2/NDF: 20037.8/25

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 39.910+/-1.446 χ^2/NDF:262.4/7

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

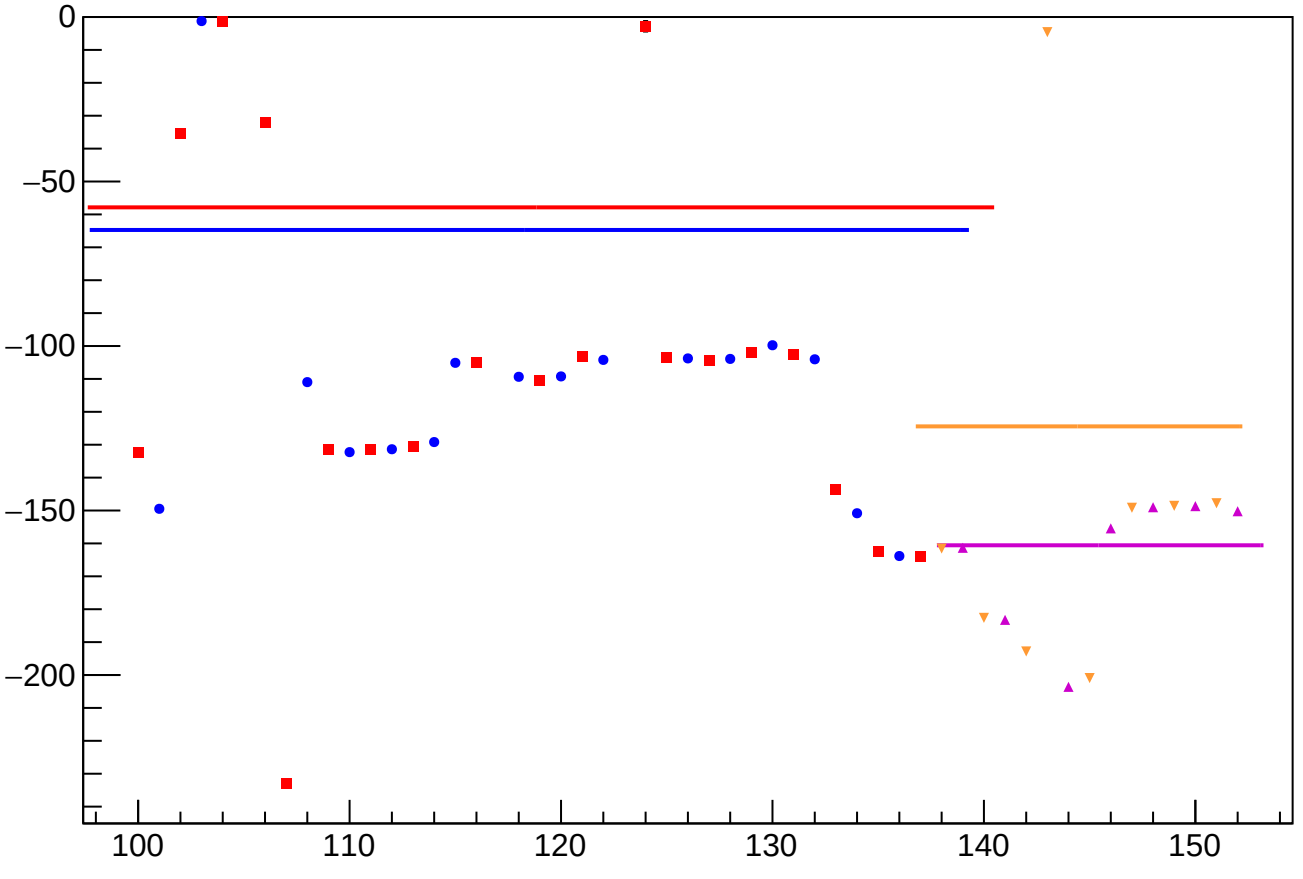
Left In: 49.938+/-1.644 χ^2/NDF:61.6/6

+ sign 34.545+/-0.948 χ^2/NDF: 563.4/23

All: 34.464+/-0.680 χ^2/NDF: 951.2/49

- sign 34.378+/-0.976 χ^2/NDF: 387.8/25

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -124.427+/-0.074 χ^2/NDF:900203.7/7

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

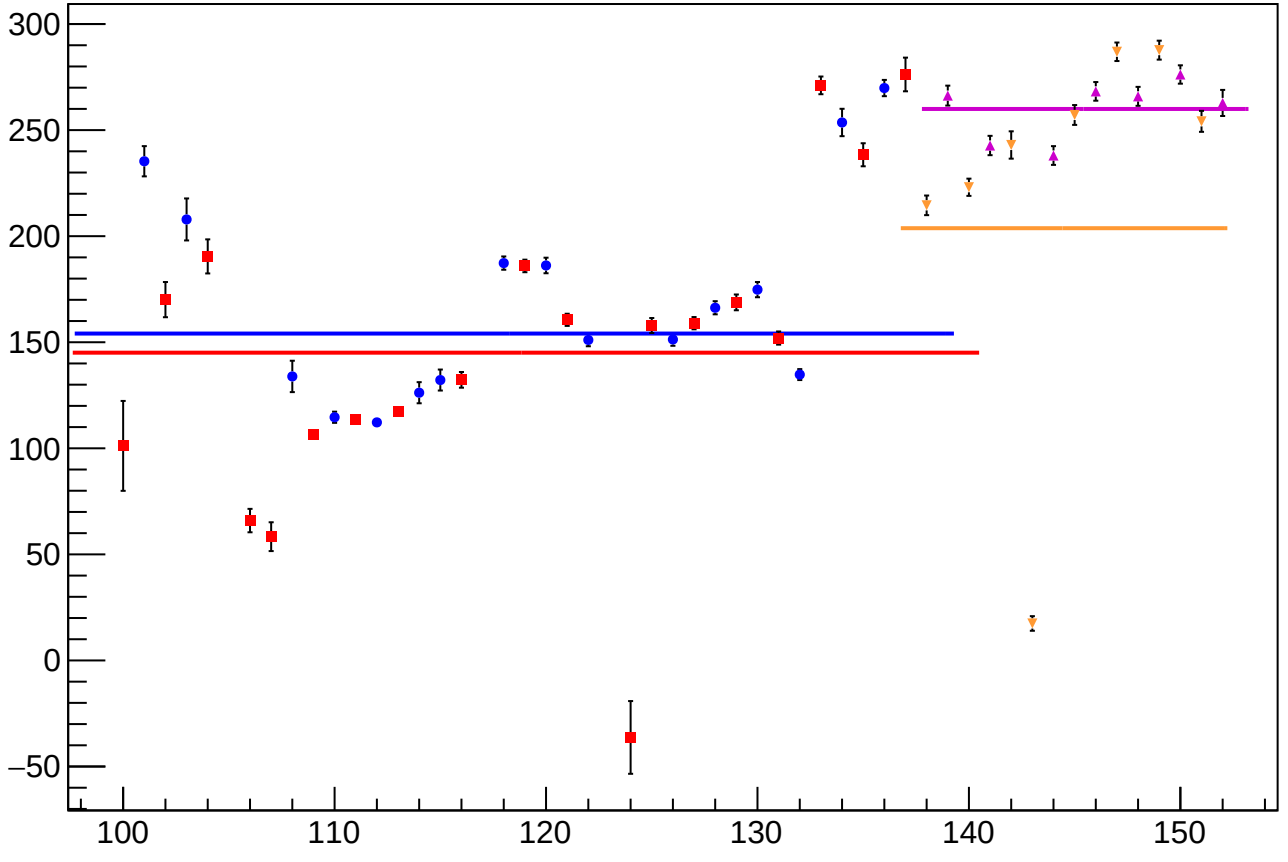
Left In: -160.567+/-0.080 χ^2/NDF:44484.3/6

\+ sign -90.056+/-0.048 χ^2/NDF: 2316253.2/23

All: -93.107+/-0.034 χ^2/NDF: 4265797.8/49

\- sign -96.257+/-0.049 χ^2/NDF: 1941469.1/25

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 203.761+/-1.571 χ^2/NDF:3941.4/7

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

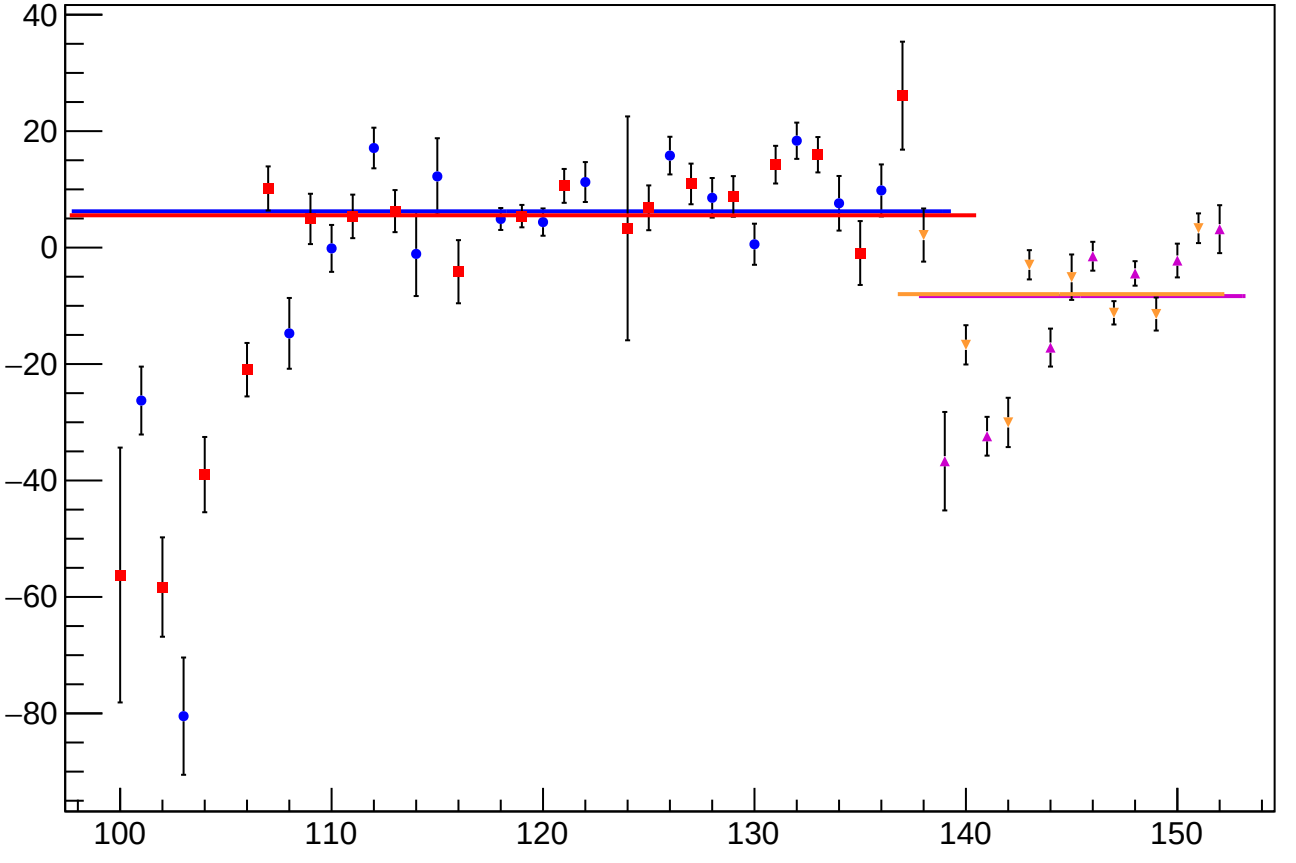
Left In: 259.968+/-1.750 χ^2/NDF:60.4/6

+ sign 165.734+/-0.760 χ^2/NDF: 6987.7/23

All: 165.876+/-0.533 χ^2/NDF: 13530.7/49

- sign 166.013+/-0.747 χ^2/NDF: 6543.0/25

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -7.993+/-1.030 χ^2/NDF:66.9/7

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

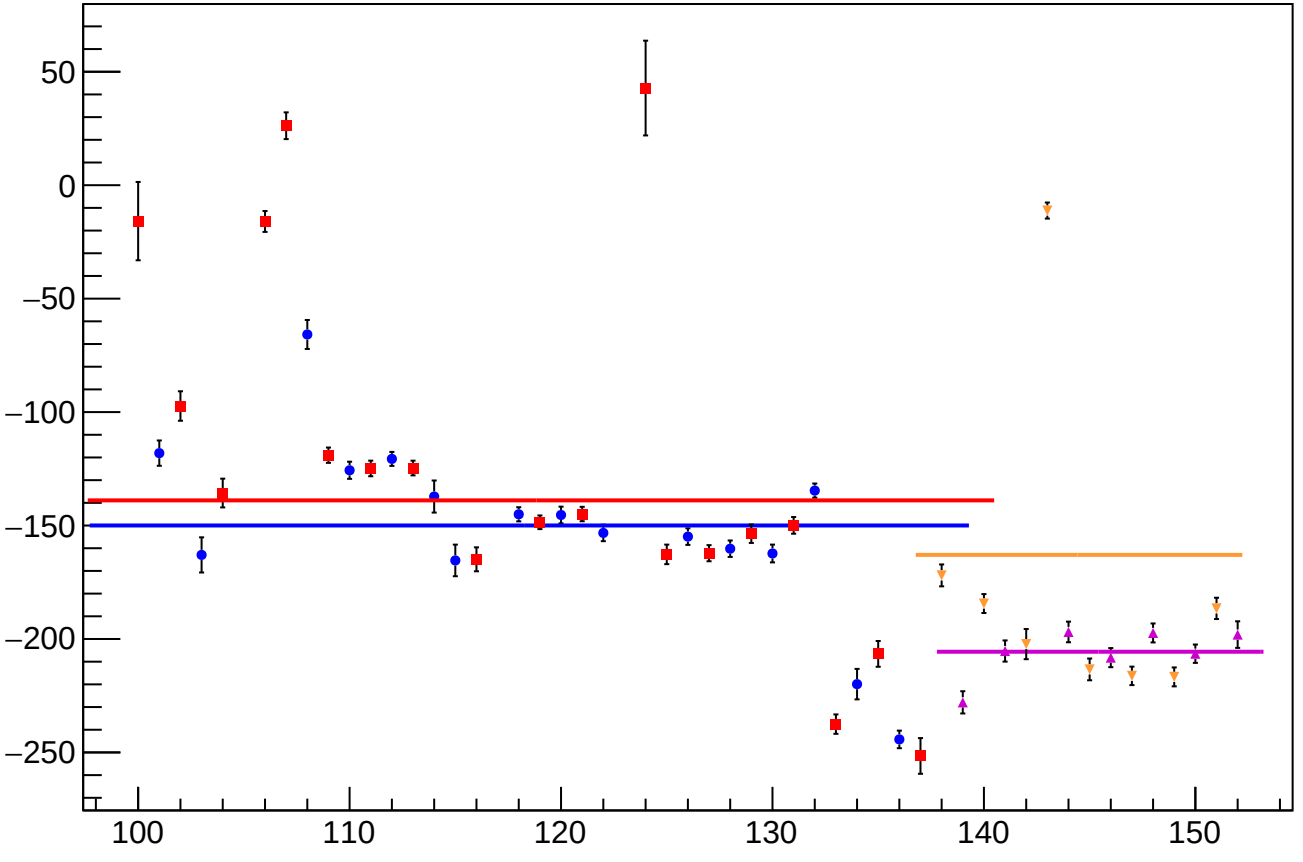
Left In: -8.328+/-1.143 χ^2/NDF:94.1/6

+ sign 0.151+/-0.674 χ^2/NDF: 338.1/23

All: 0.230+/-0.486 χ^2/NDF: 705.2/49

- sign 0.316+/-0.702 χ^2/NDF: 367.0/25

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -162.933+/-1.563 χ^2/NDF:2372.9/7

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

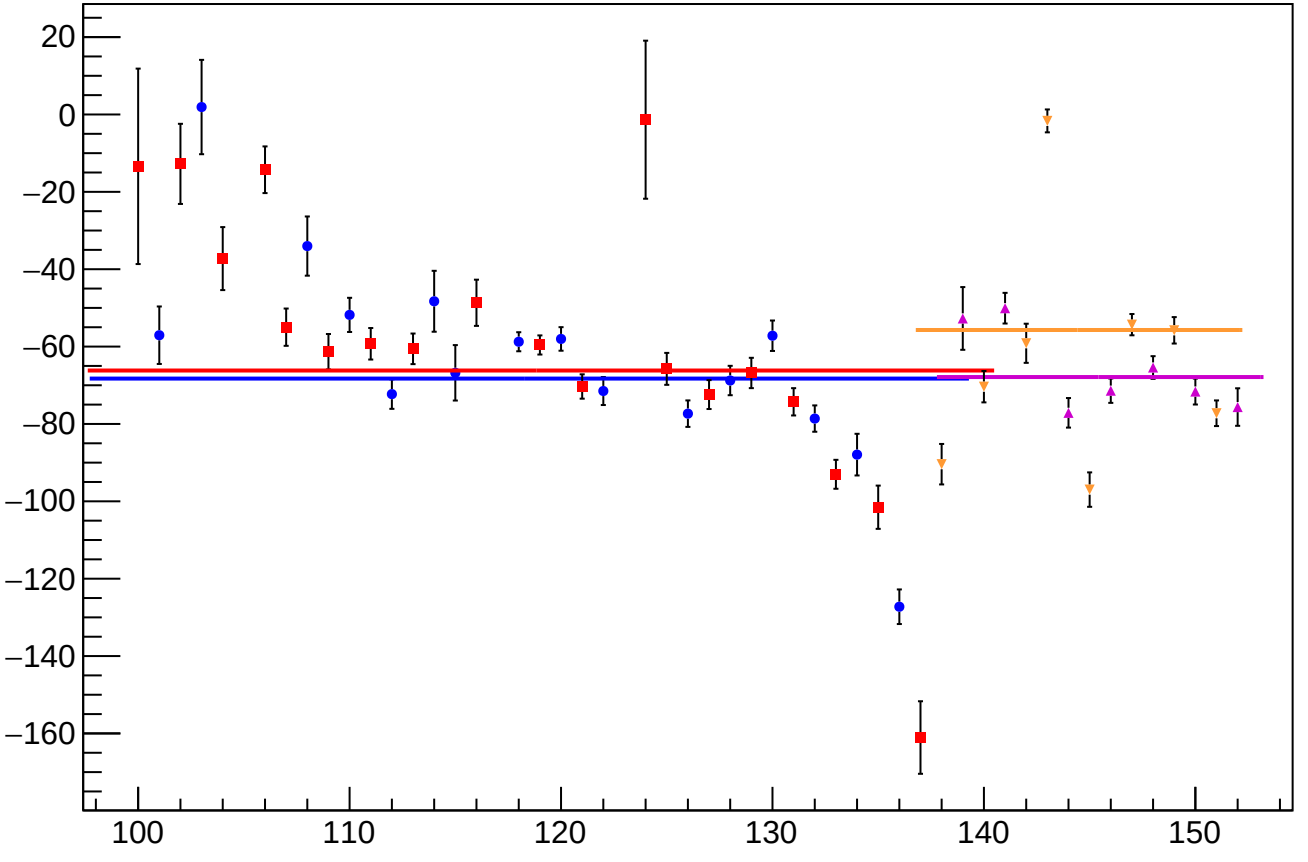
Left In: -205.621+/-1.715 χ^2/NDF:30.5/6

+ sign -153.872+/-0.857 χ^2/NDF: 3520.5/23

All: -154.767+/-0.607 χ^2/NDF: 7436.4/49

- sign -155.666+/-0.860 χ^2/NDF: 3913.8/25

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -55.711+/-1.281 χ^2/NDF:519.0/7

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

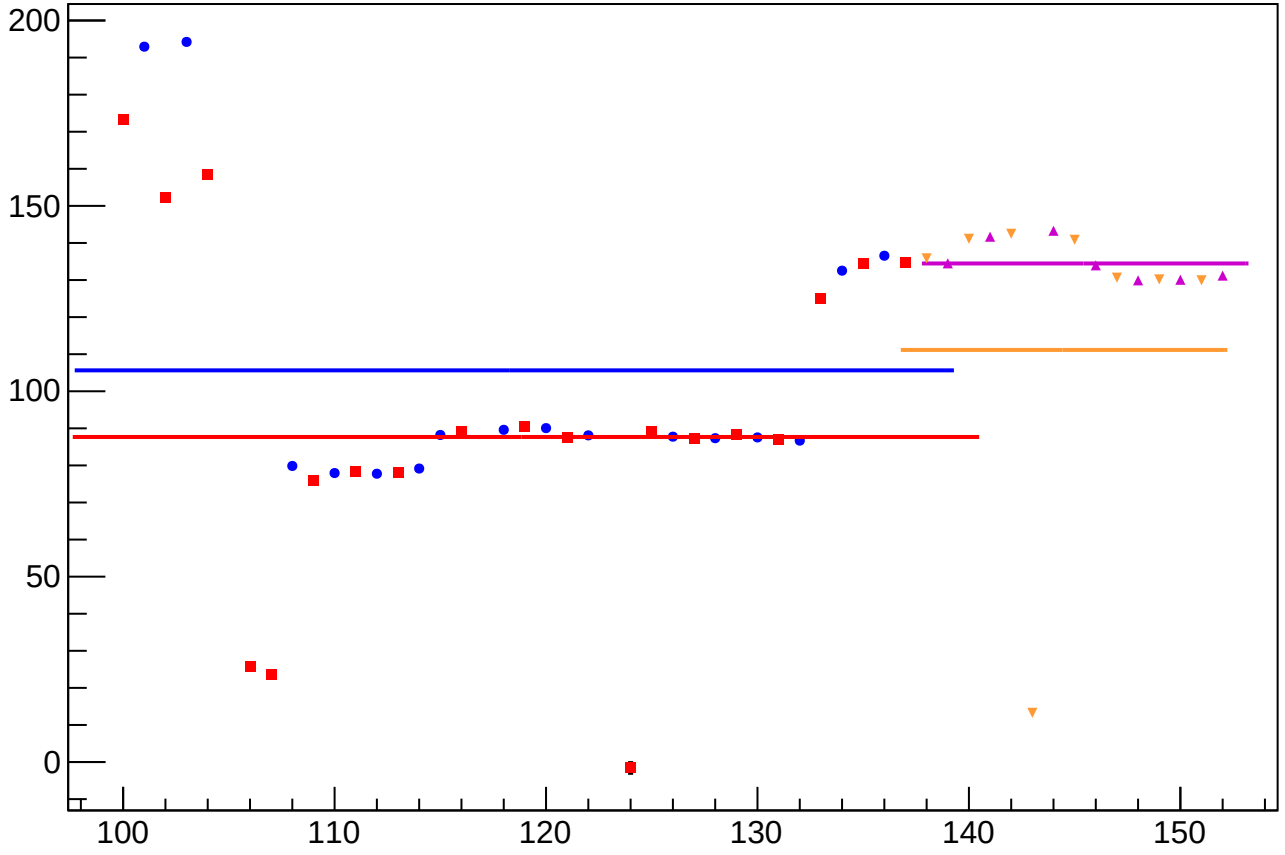
Left In: -67.873+/-1.420 χ^2/NDF:35.3/6

+ sign -63.319+/-0.804 χ^2/NDF: 892.6/23

All: -64.986+/-0.578 χ^2/NDF: 1296.1/49

- sign -66.763+/-0.830 χ^2/NDF: 394.6/25

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 111.151+/-0.065 χ^2/NDF:556350.7/7

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

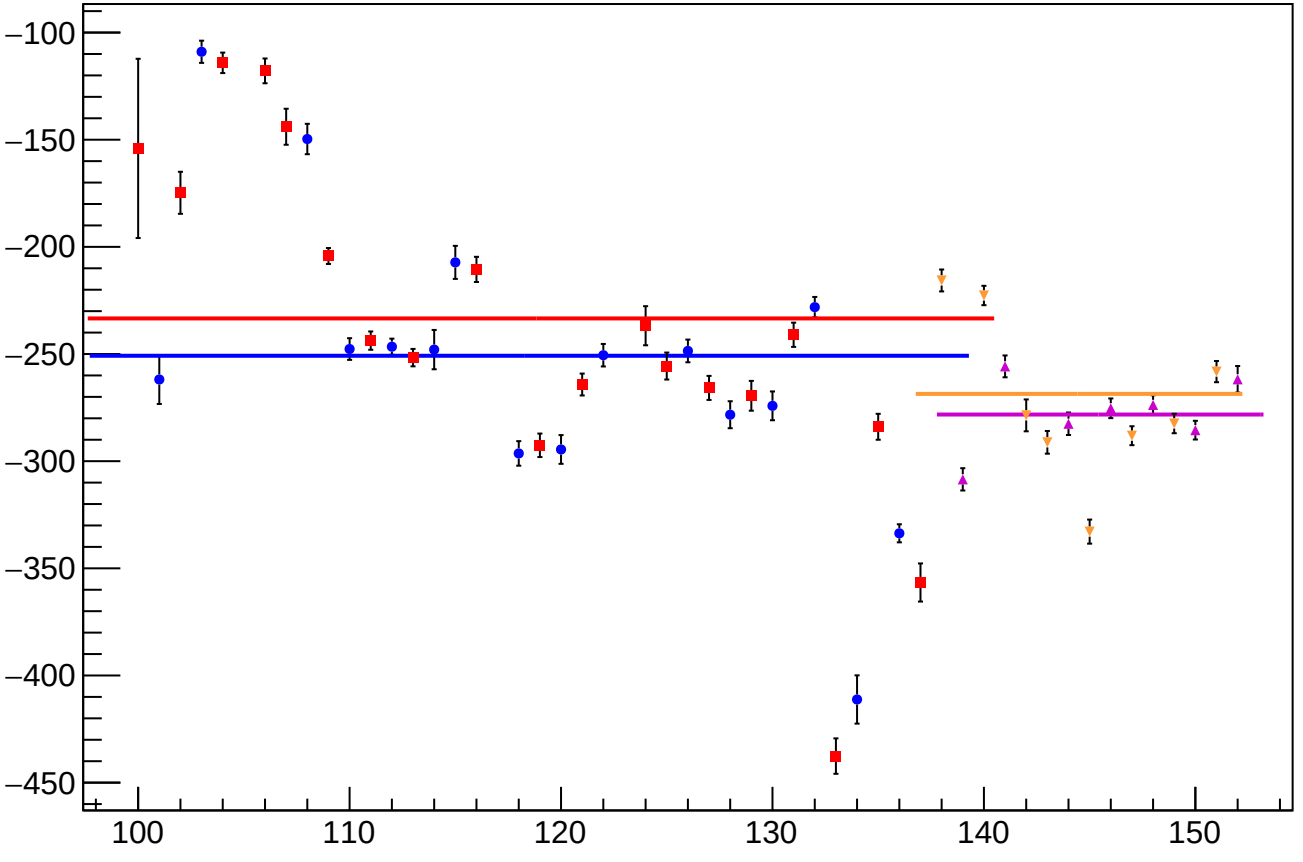
Left In: 134.470+/-0.069 χ^2/NDF:4993.9/6

+ sign 108.621+/-0.048 χ^2/NDF: 799239.8/23

All: 109.247+/-0.034 χ^2/NDF: 1420120.6/49

- sign 109.862+/-0.048 χ^2/NDF: 620543.7/25

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -268.603+/-1.786 χ^2/NDF:394.7/7

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

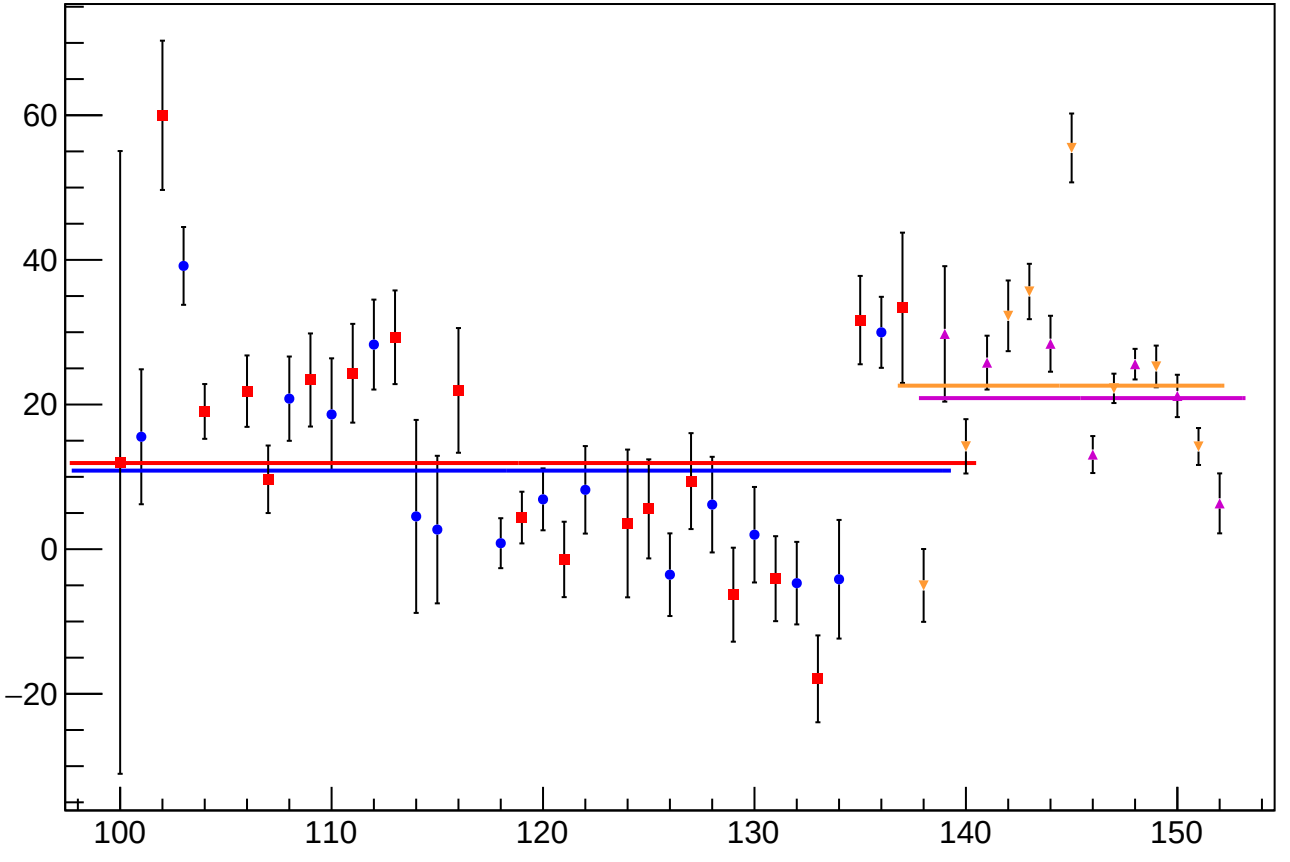
Left In: -278.235+/-1.866 χ^2/NDF:65.1/6

+ sign -257.808+/-1.120 χ^2/NDF: 2190.6/23

All: -253.032+/-0.779 χ^2/NDF: 5051.7/49

- sign -248.553+/-1.085 χ^2/NDF: 2825.9/25

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 22.610+/-1.132 χ^2/NDF:109.9/7

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

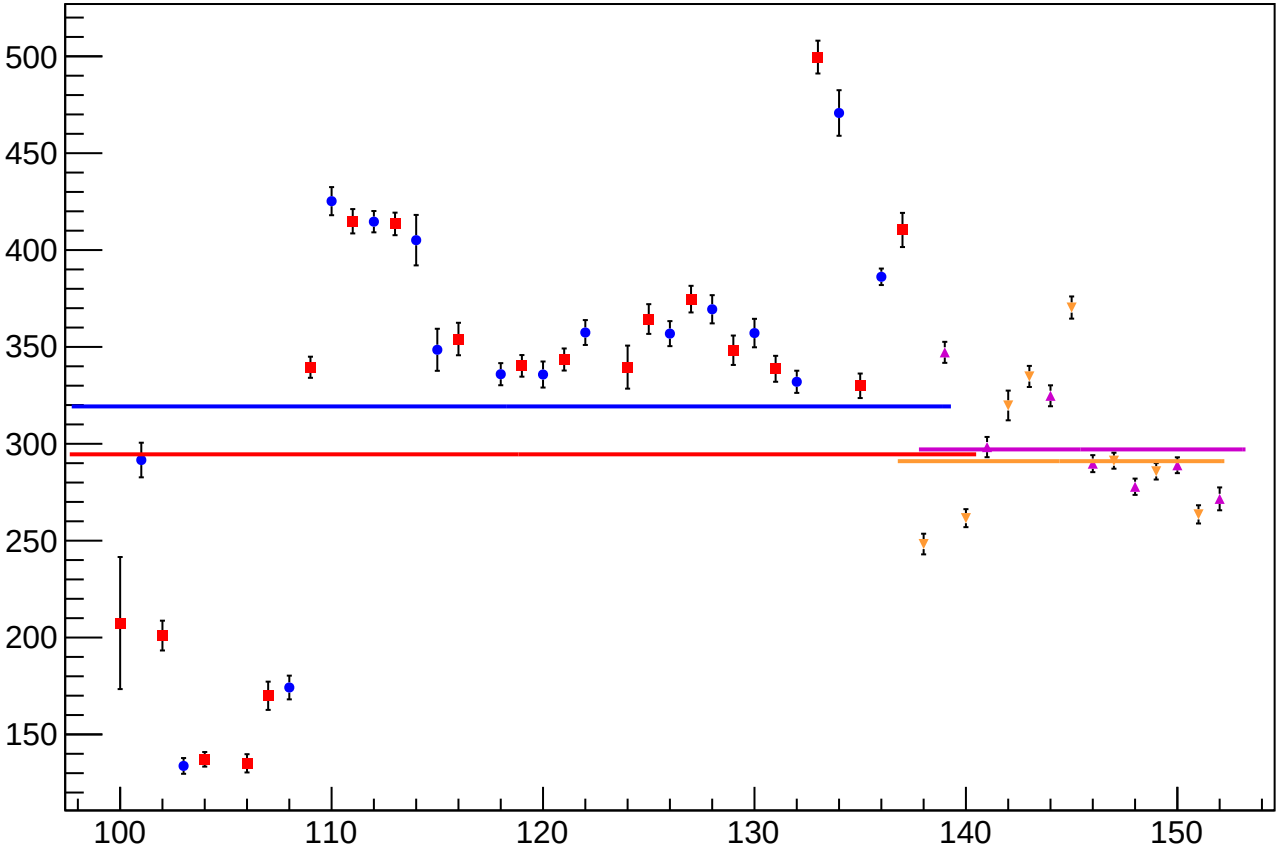
Left In: 20.888+/-1.194 χ^2/NDF:33.0/6

+ sign 18.241+/-0.897 χ^2/NDF: 234.7/23

All: 17.626+/-0.635 χ^2/NDF: 405.0/49

- sign 17.007+/-0.899 χ^2/NDF: 169.4/25

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 291.034+/-1.761 χ^2/NDF:410.4/7

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

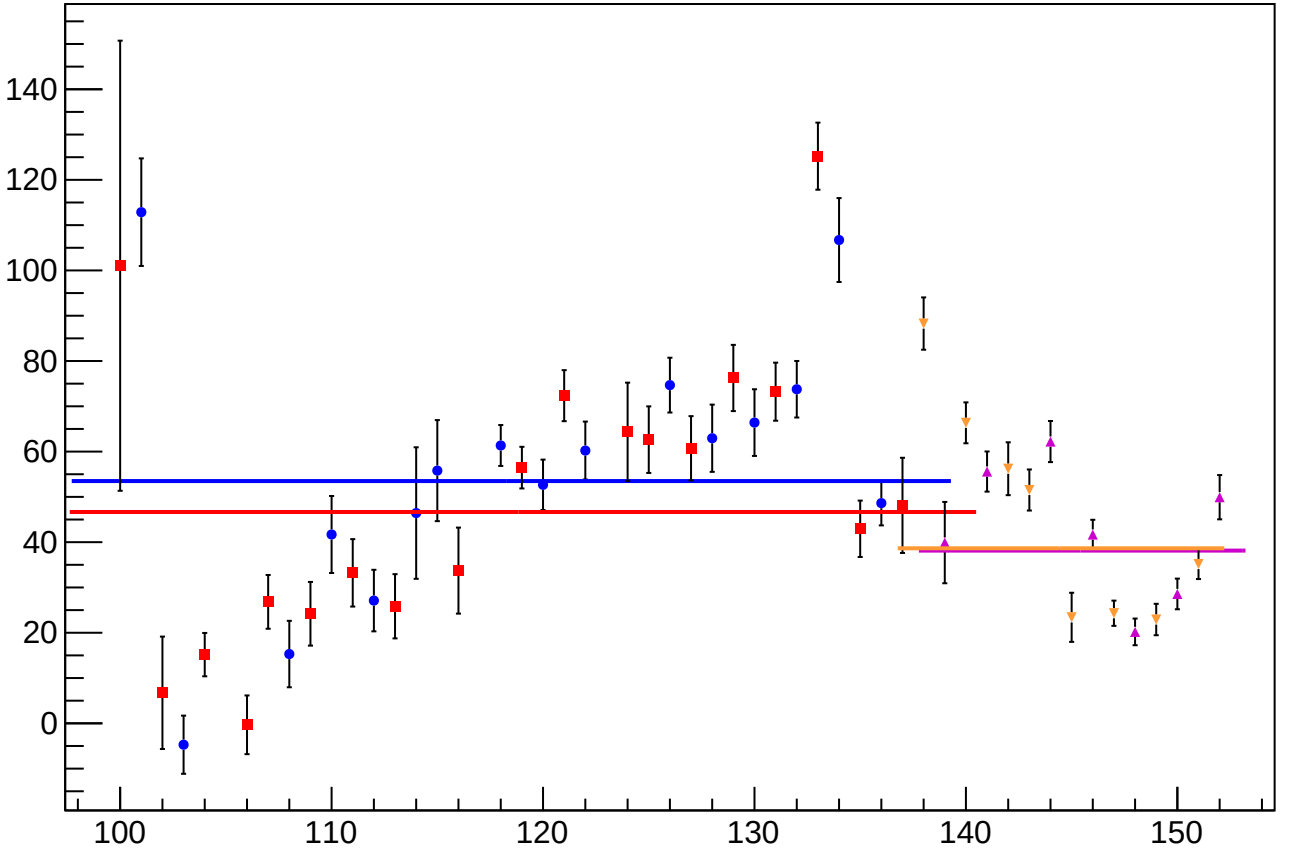
Left In: 297.101+/-1.820 χ^2/NDF:158.1/6

\+ sign 306.635+/-1.178 χ^2/NDF: 4345.5/23

All: 300.965+/-0.823 χ^2/NDF: 10053.1/49

\- sign 295.577+/-1.149 χ^2/NDF: 5662.4/25

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 38.647+/-1.423 χ^2/NDF:184.6/7

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

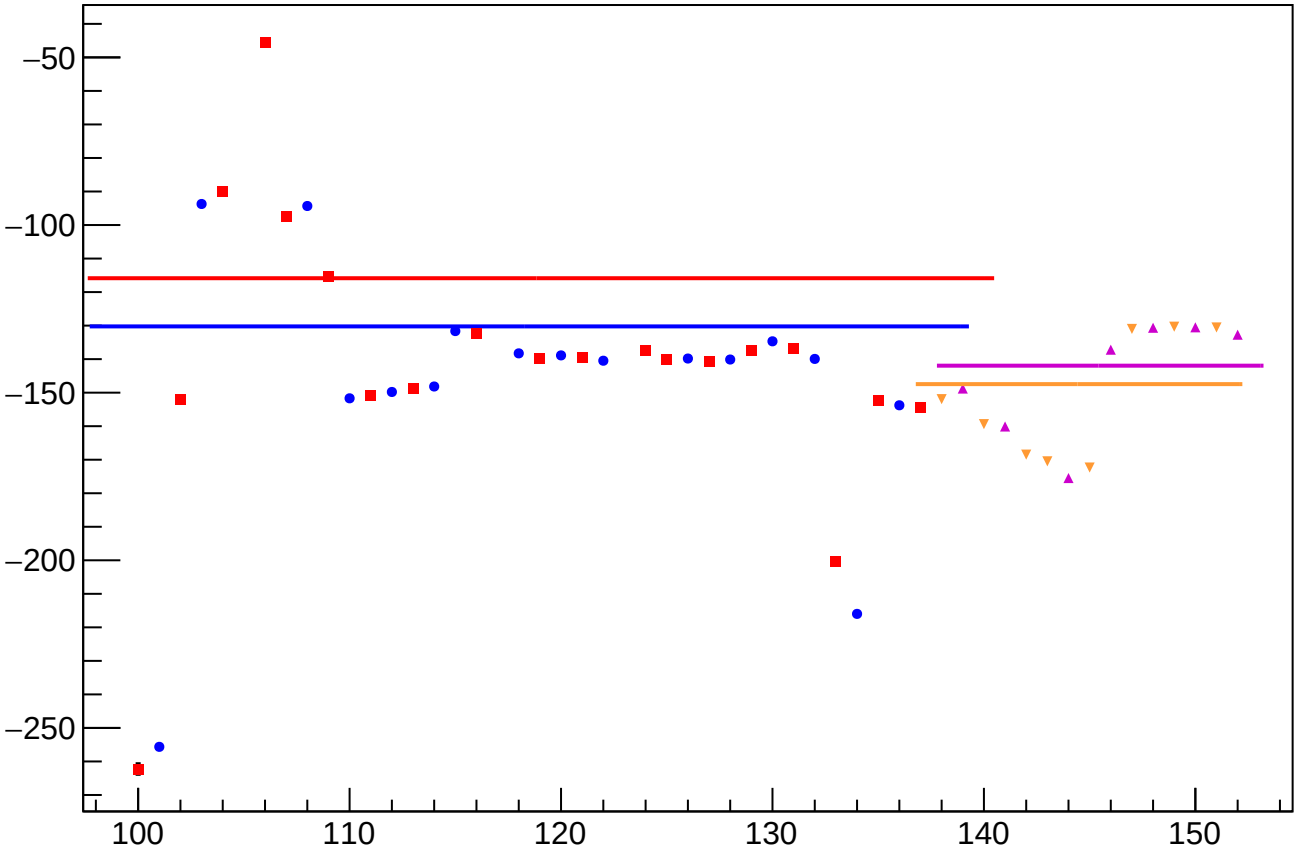
Left In: 38.140+/-1.490 χ^2/NDF:95.8/6

+ sign 44.769+/-1.091 χ^2/NDF: 446.8/23

All: 43.440+/-0.770 χ^2/NDF: 886.5/49

- sign 42.117+/-1.088 χ^2/NDF: 436.7/25

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -147.453+/-0.074 χ^2/NDF:56103.1/7

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

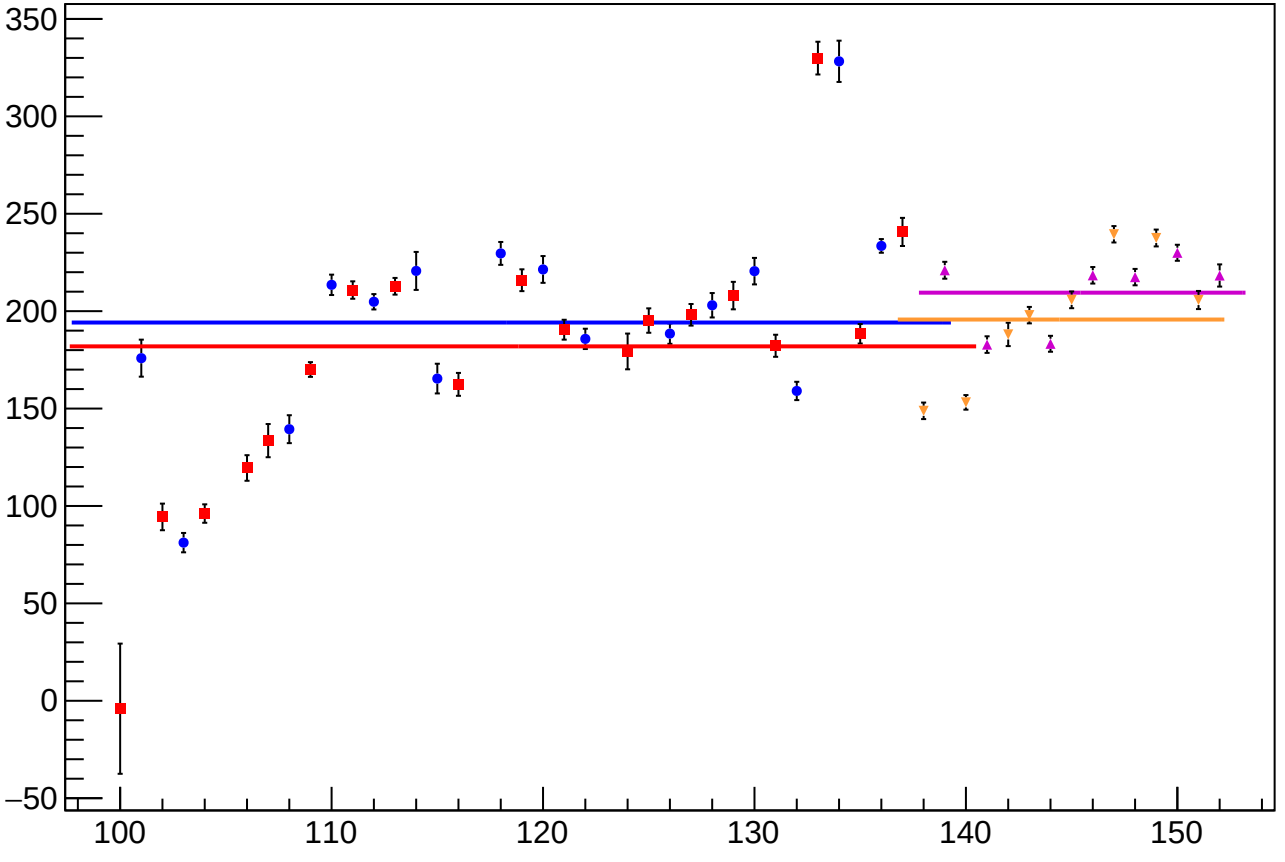
Left In: -141.950+/-0.073 χ^2/NDF:39296.9/6

\+ sign -140.641+/-0.057 χ^2/NDF: 251906.6/23

All: -135.659+/-0.040 χ^2/NDF: 565387.6/49

\- sign -130.960+/-0.056 χ^2/NDF: 298783.5/25

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 195.700+/-1.541 χ^2/NDF:464.6/7

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

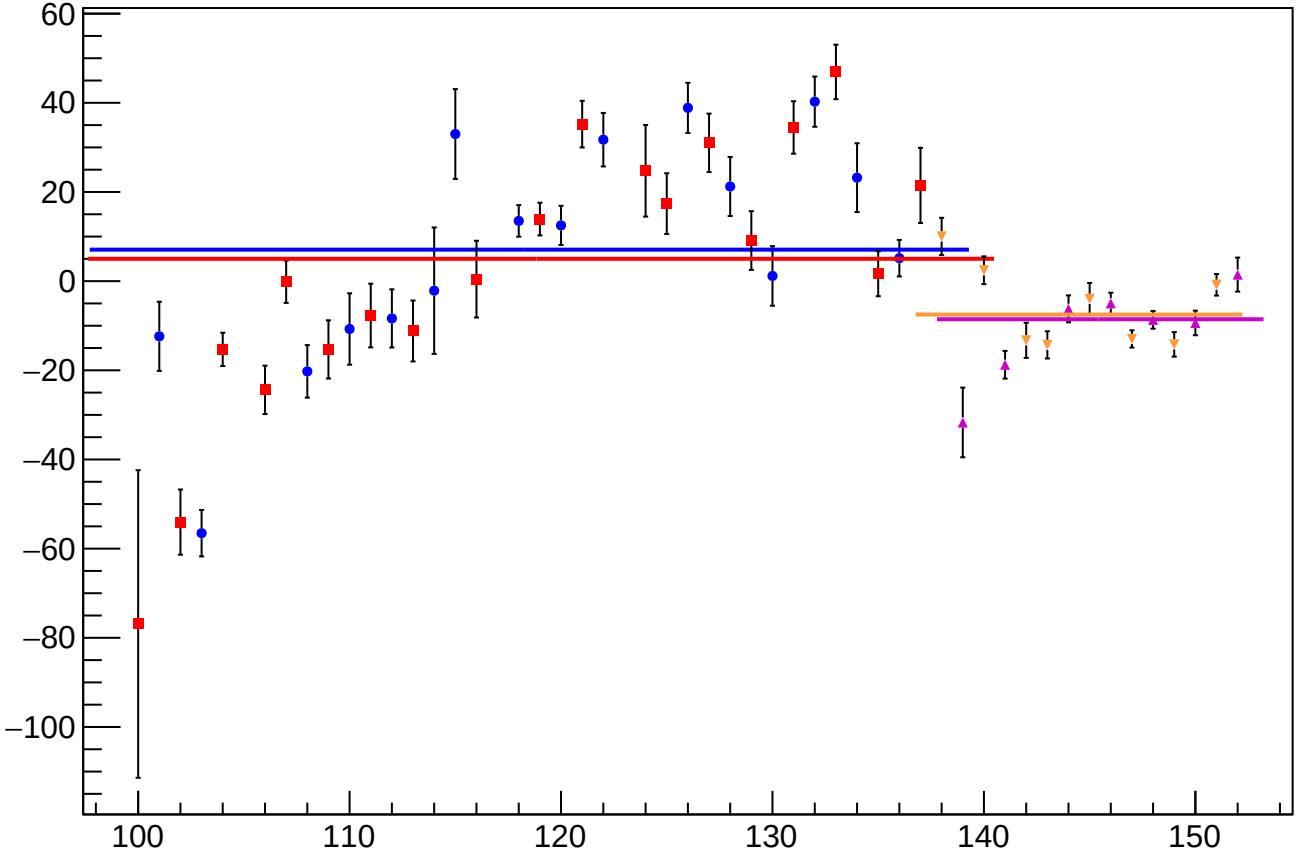
Left In: 209.490+/-1.643 χ^2/NDF:122.7/6

+ sign 194.862+/-1.039 χ^2/NDF: 1500.3/23

All: 193.799+/-0.731 χ^2/NDF: 3000.7/49

- sign 192.755+/-1.030 χ^2/NDF: 1498.3/25

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -7.492+/-1.009 χ^2/NDF:57.5/7

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

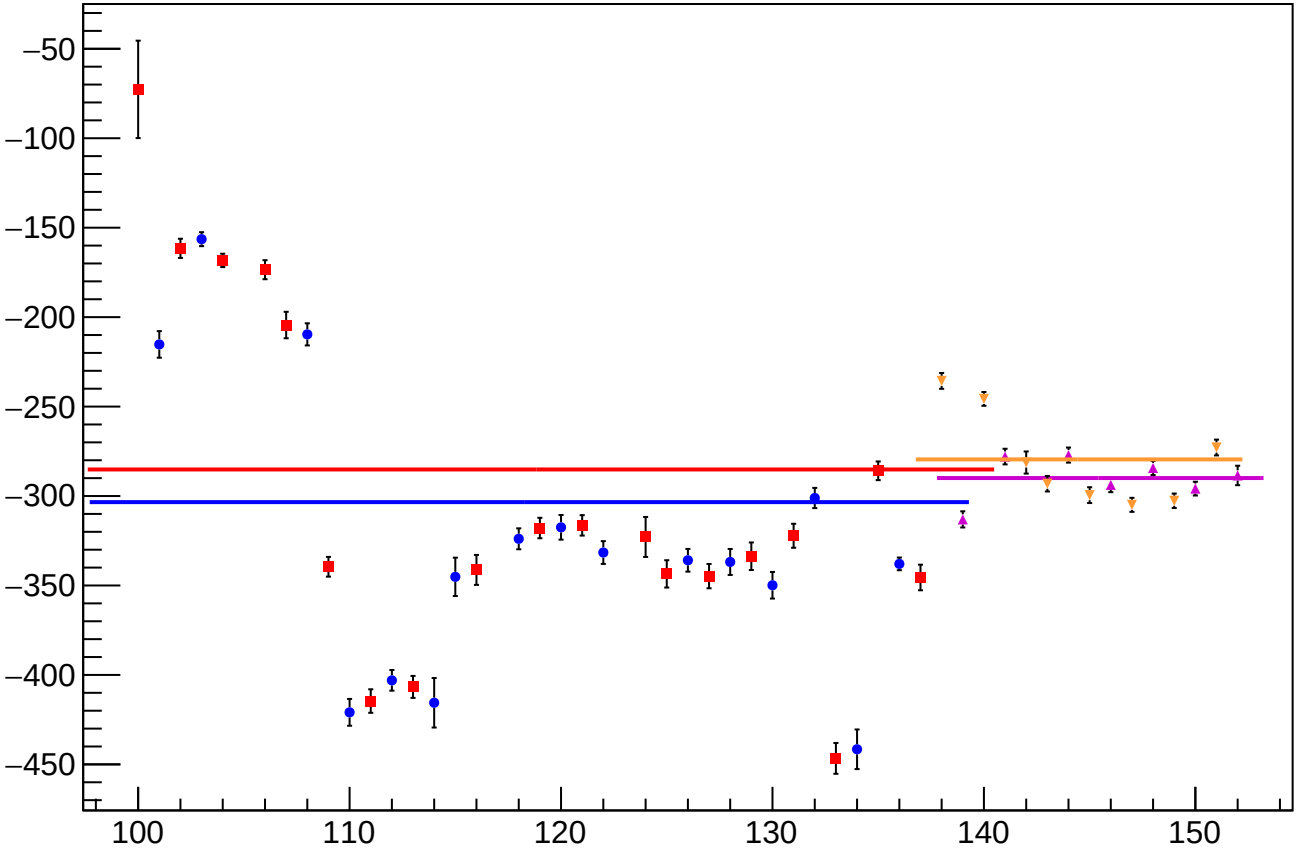
Left In: -8.548+/-1.078 χ^2/NDF:29.3/6

+ sign -2.709+/-0.827 χ^2/NDF: 418.4/23

All: -2.995+/-0.590 χ^2/NDF: 797.9/49

- sign -3.291+/-0.843 χ^2/NDF: 379.3/25

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -279.521+/-1.532 χ^2/NDF:282.6/7

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

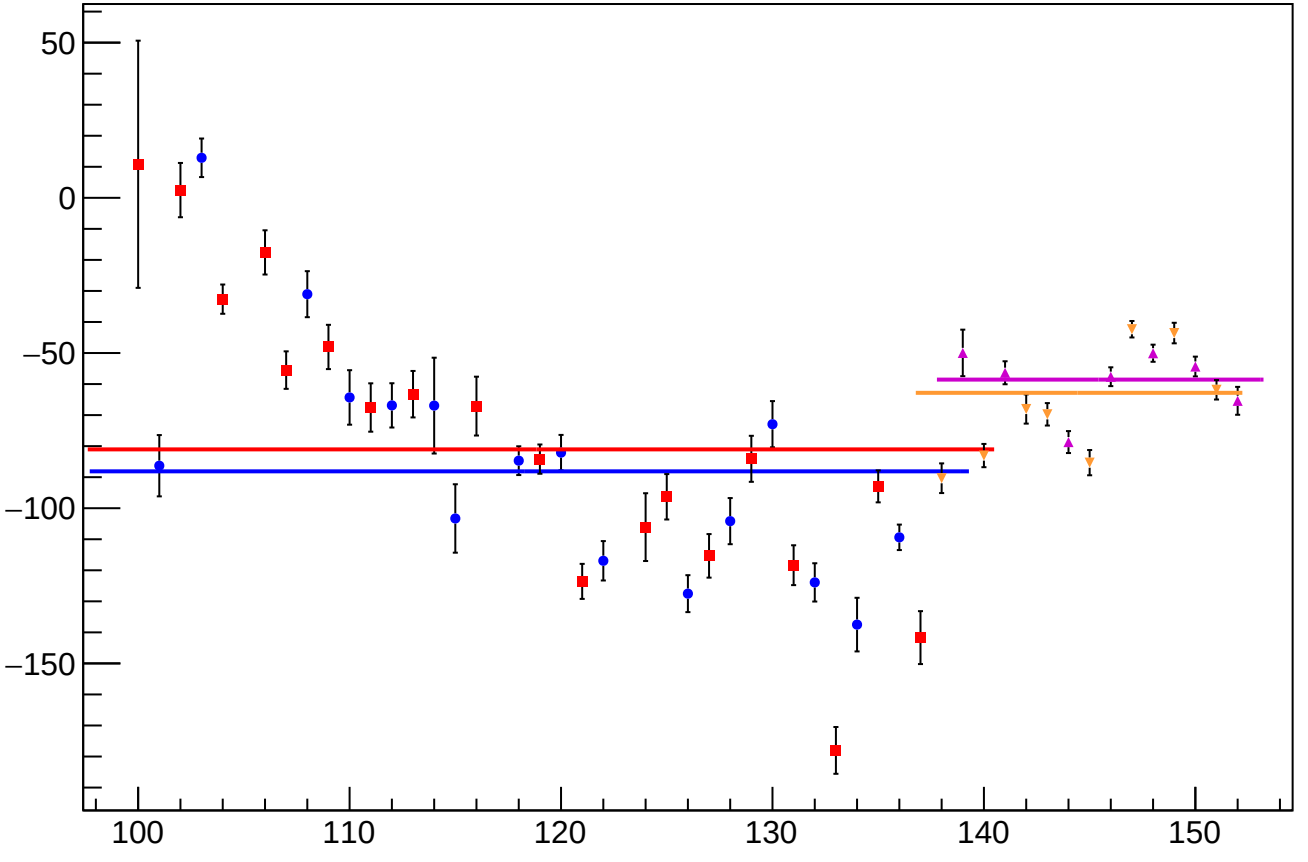
Left In: -289.945+/-1.612 χ^2/NDF:48.4/6

\+ sign -291.477+/-1.082 χ^2/NDF: 3189.8/23

All: -289.378+/-0.764 χ^2/NDF: 7005.4/49

\- sign -287.295+/-1.079 χ^2/NDF: 3808.1/25

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -62.824+/-1.258 χ^2/NDF:191.3/7

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

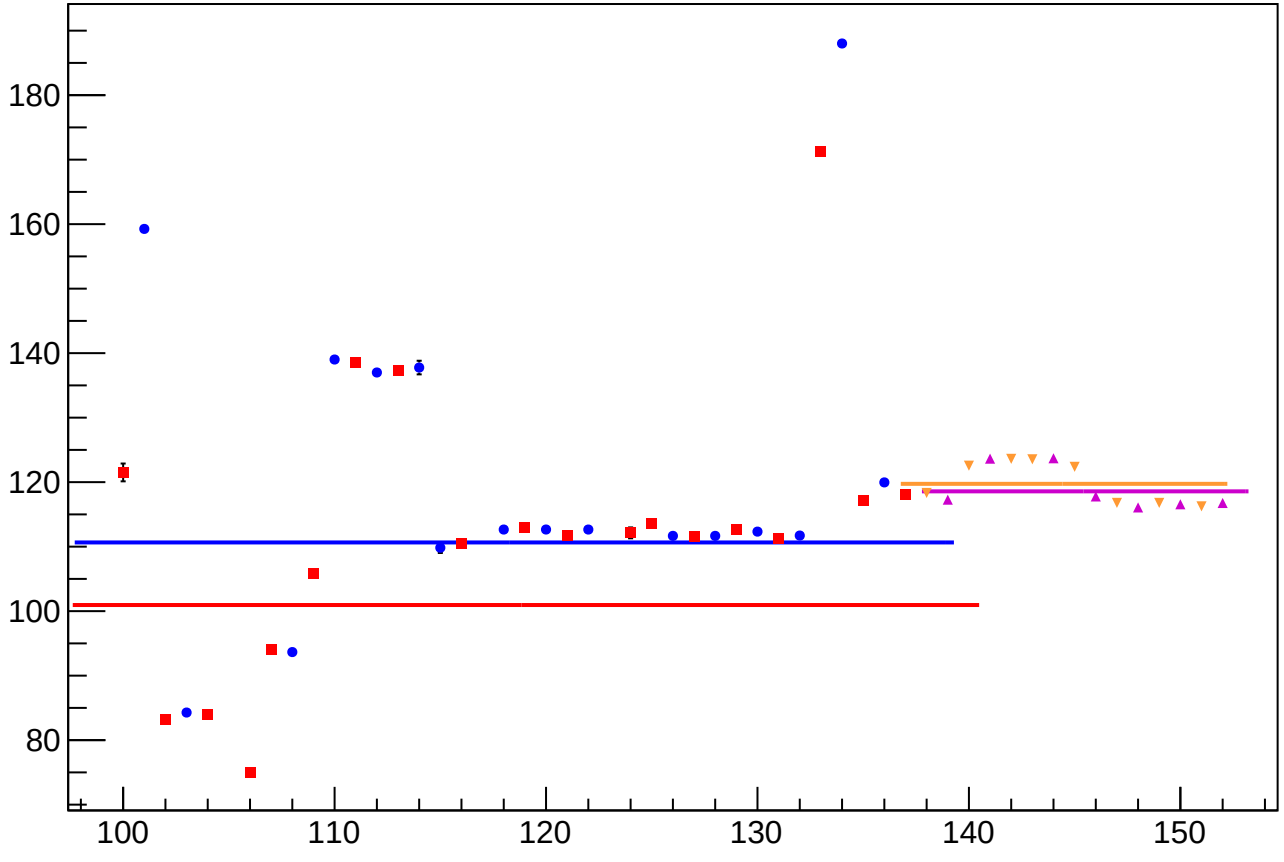
Left In: -58.564+/-1.338 χ^2/NDF:47.7/6

+ sign -72.083+/-1.001 χ^2/NDF: 851.3/23

All: -70.089+/-0.714 χ^2/NDF: 1703.5/49

- sign -68.028+/-1.018 χ^2/NDF: 844.1/25

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 119.738+/-0.064 χ^2/NDF:2222.5/7

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

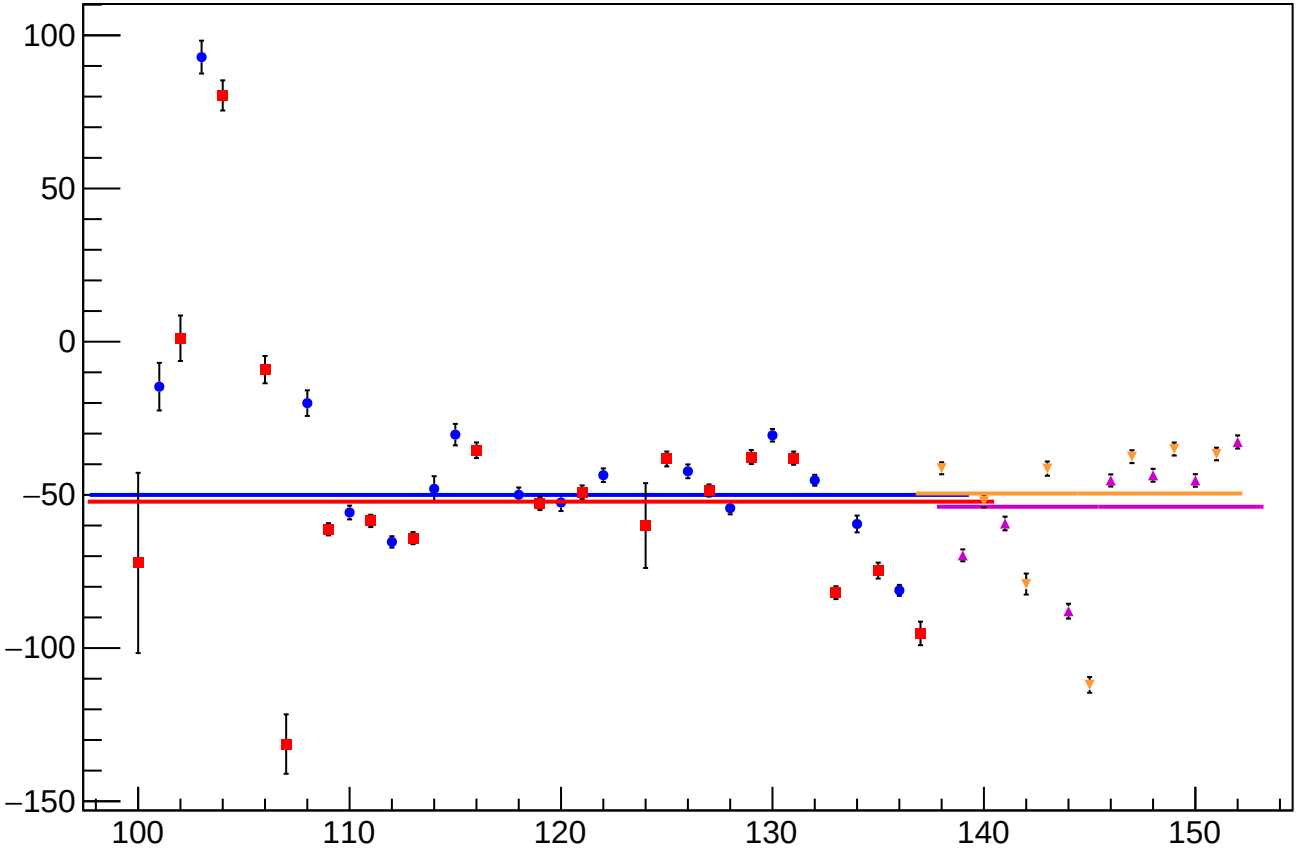
Left In: 118.573+/-0.065 χ^2/NDF:2126.5/6

+ sign 116.493+/-0.051 χ^2/NDF: 92952.0/23

All: 114.057+/-0.036 χ^2/NDF: 190388.5/49

- sign 111.683+/-0.051 χ^2/NDF: 92981.2/25

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -49.549+/-0.787 χ^2/NDF:813.0/7

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

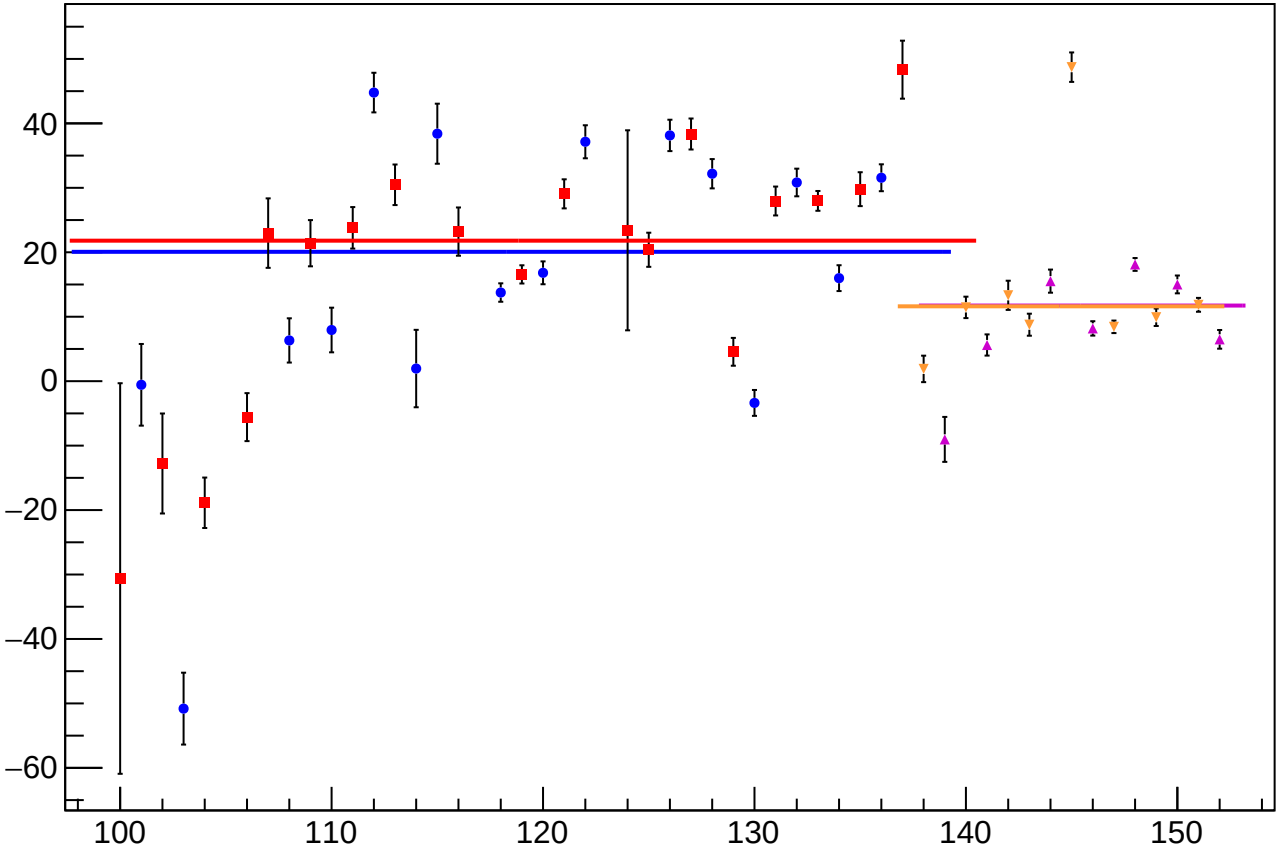
Left In: -53.869+/-0.800 χ^2/NDF:425.1/6

+ sign -49.836+/-0.482 χ^2/NDF: 2140.6/23

All: -51.323+/-0.341 χ^2/NDF: 4157.8/49

- sign -52.812+/-0.482 χ^2/NDF: 1998.1/25

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 11.613+/-0.513 χ^2/NDF:301.7/7

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

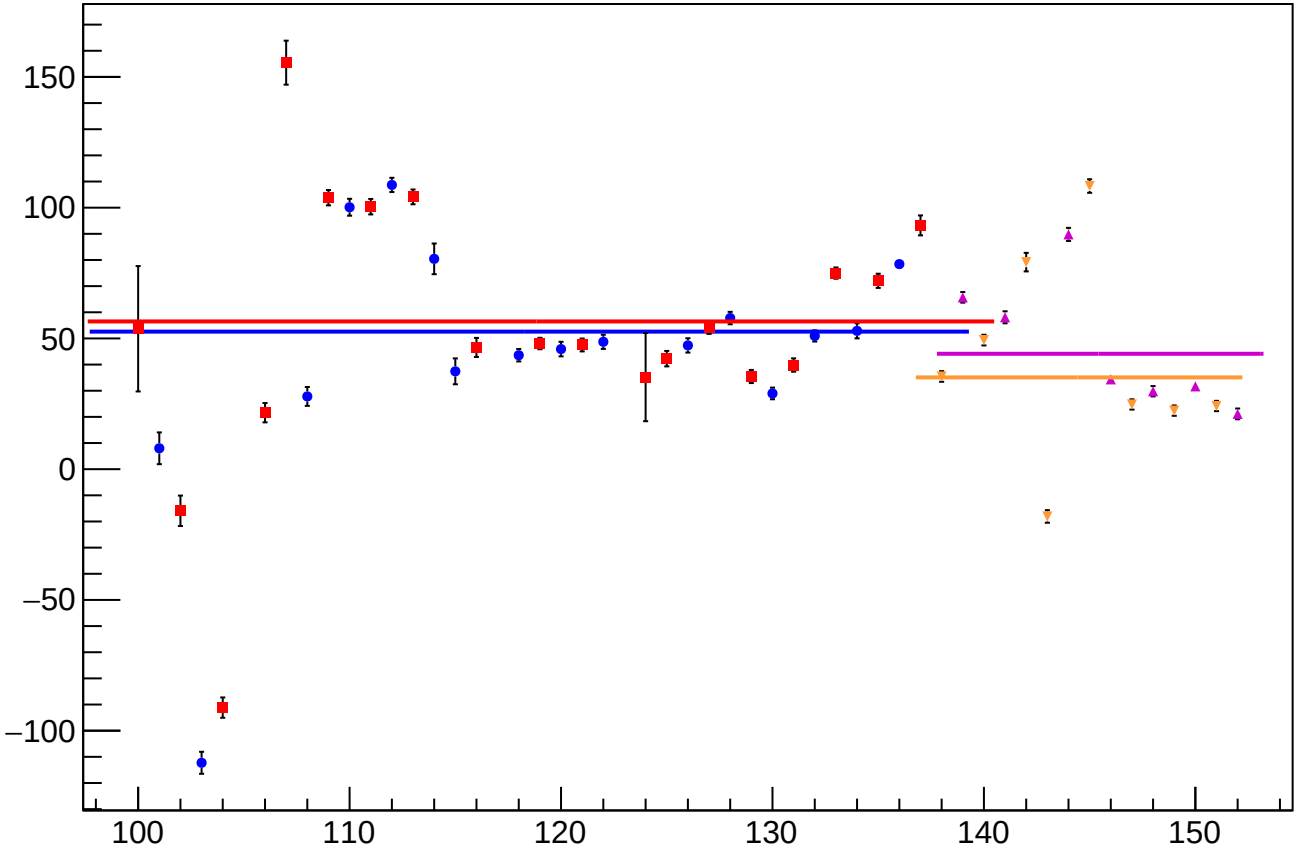
Left In: 11.733+/-0.529 χ^2/NDF:123.4/6

\+ sign 15.106+/-0.393 χ^2/NDF: 1050.1/23

All: 15.523+/-0.281 χ^2/NDF: 1724.1/49

\- sign 15.962+/-0.403 χ^2/NDF: 671.7/25

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 35.094+/-0.779 χ^2/NDF:1584.3/7

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

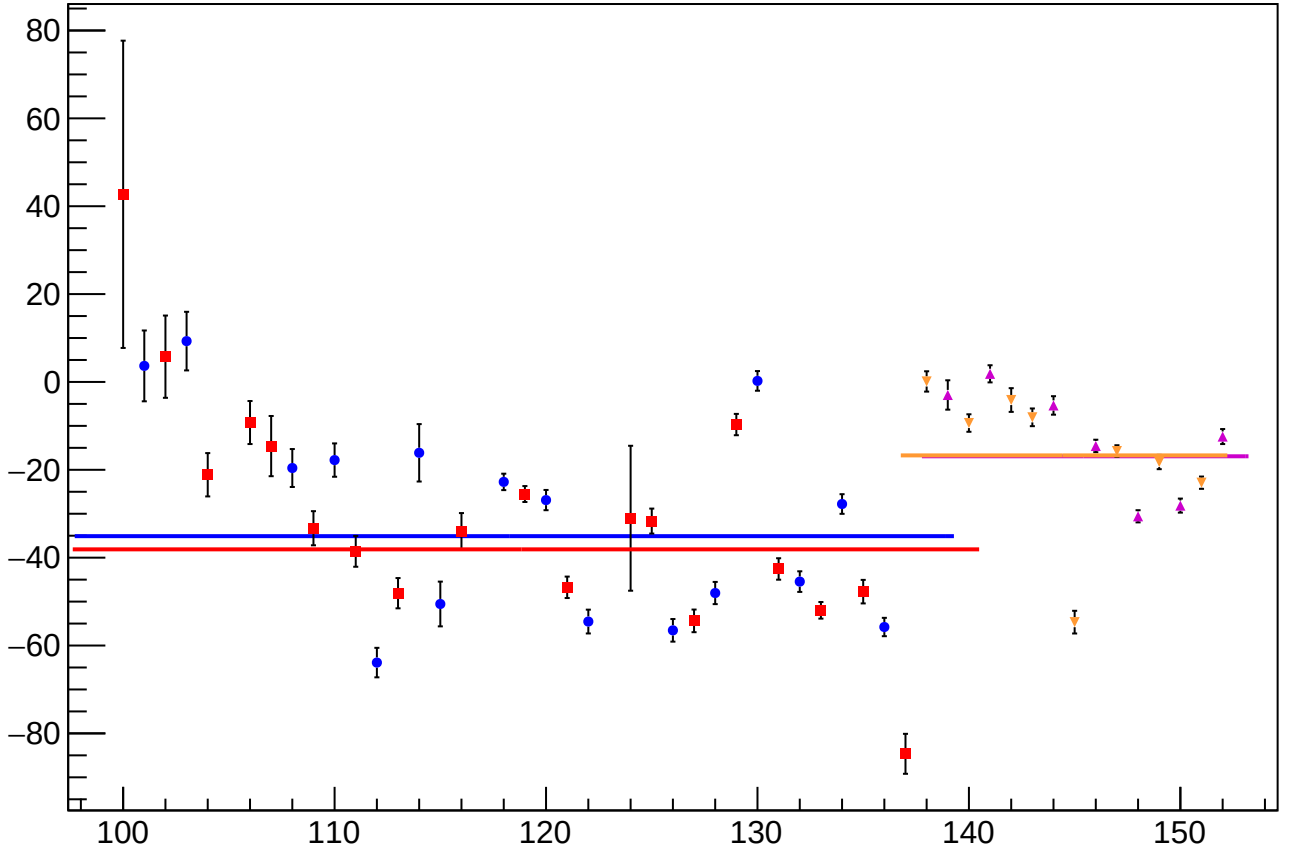
Left In: 44.134+/-0.783 χ^2/NDF:729.3/6

+ sign 44.823+/-0.519 χ^2/NDF: 4524.7/23

All: 47.860+/-0.369 χ^2/NDF: 8426.5/49

- sign 50.955+/-0.524 χ^2/NDF: 3832.6/25

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -16.720+/-0.642 χ^2/NDF:344.0/7

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

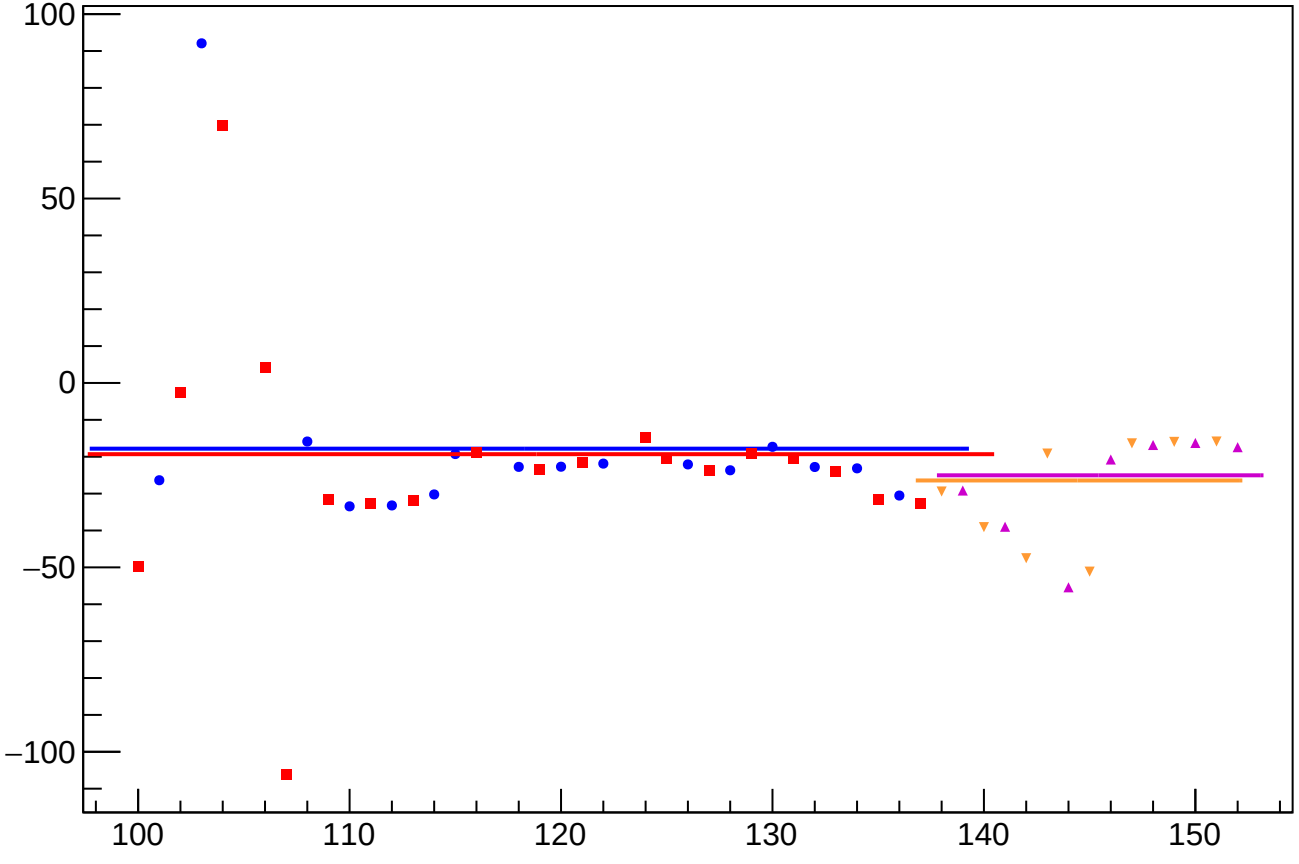
Left In: -16.923+/-0.656 χ^2/NDF:296.2/6

+ sign -25.118+/-0.473 χ^2/NDF: 1491.7/23

All: -25.853+/-0.338 χ^2/NDF: 2785.2/49

- sign -26.617+/-0.483 χ^2/NDF: 1288.5/25

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -26.437+/-0.032 χ^2/NDF:153721.3/7

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

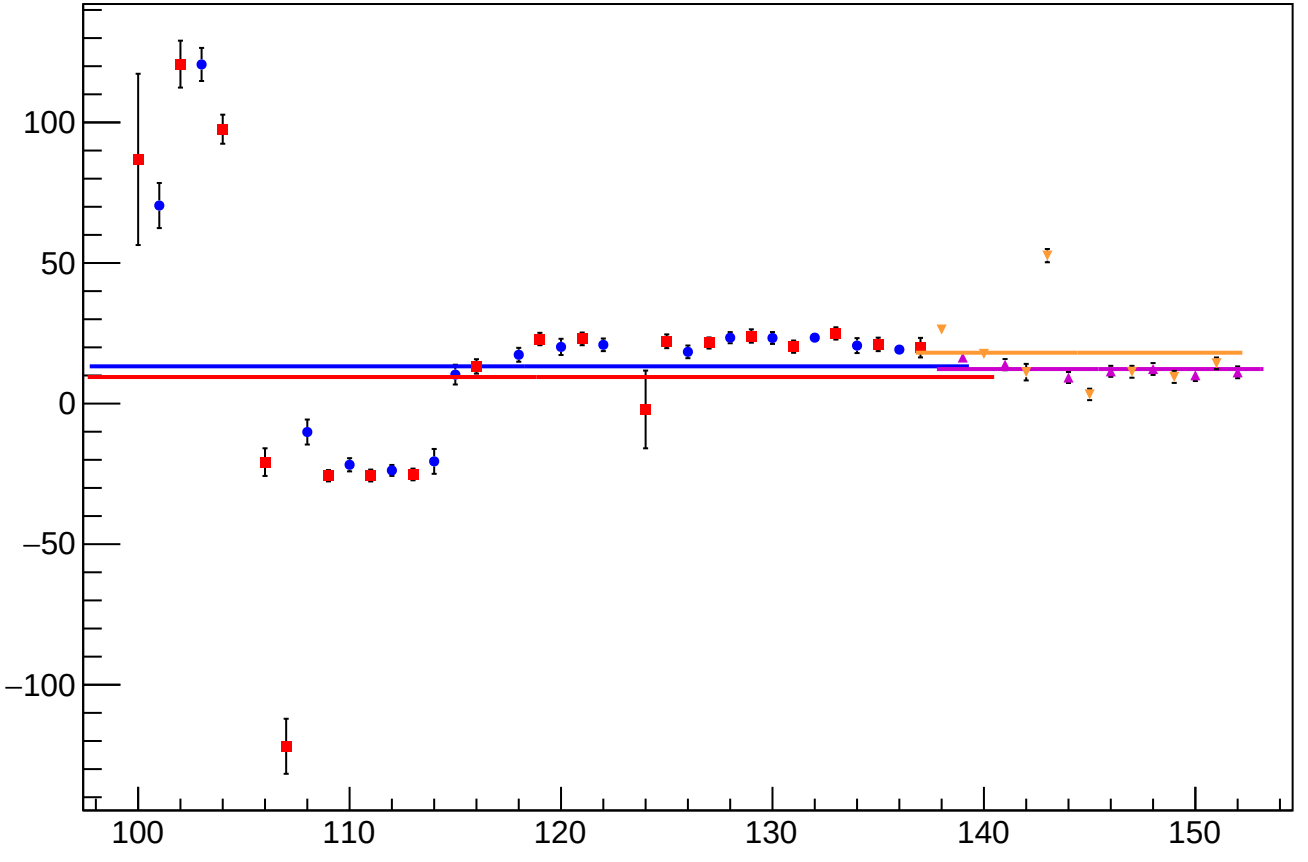
Left In: -25.040+/-0.031 χ^2/NDF:135209.4/6

+ sign -23.362+/-0.026 χ^2/NDF: 605399.9/23

All: -23.309+/-0.018 χ^2/NDF: 1095887.3/49

- sign -23.257+/-0.026 χ^2/NDF: 490479.0/25

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 18.094+/-0.735 χ^2/NDF:323.8/7

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

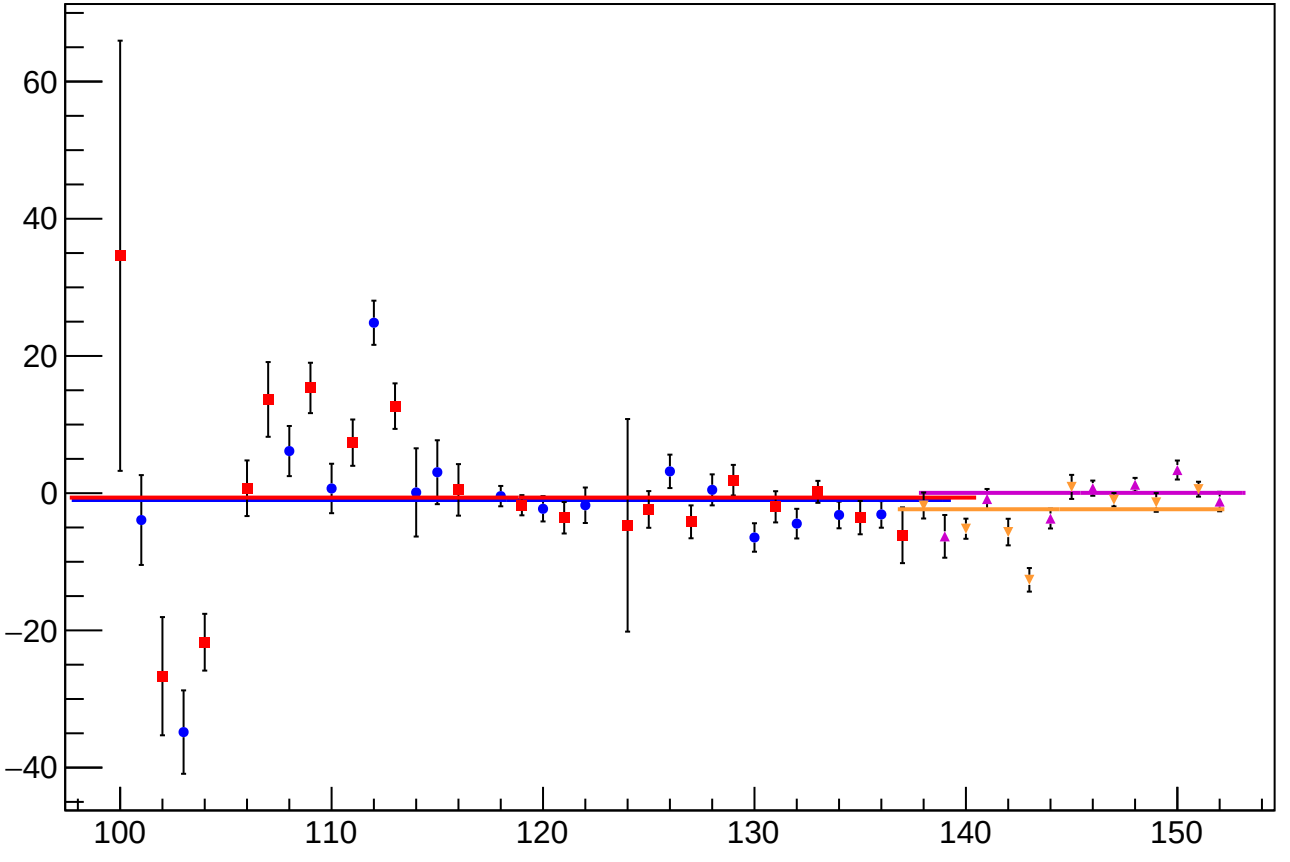
Left In: 12.287+/-0.745 χ^2/NDF:10.3/6

+ sign 15.244+/-0.471 χ^2/NDF: 1531.8/23

All: 12.936+/-0.334 χ^2/NDF: 3435.6/49

- sign 10.599+/-0.474 χ^2/NDF: 1855.6/25

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.343+/-0.493 χ^2/NDF:55.9/7

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

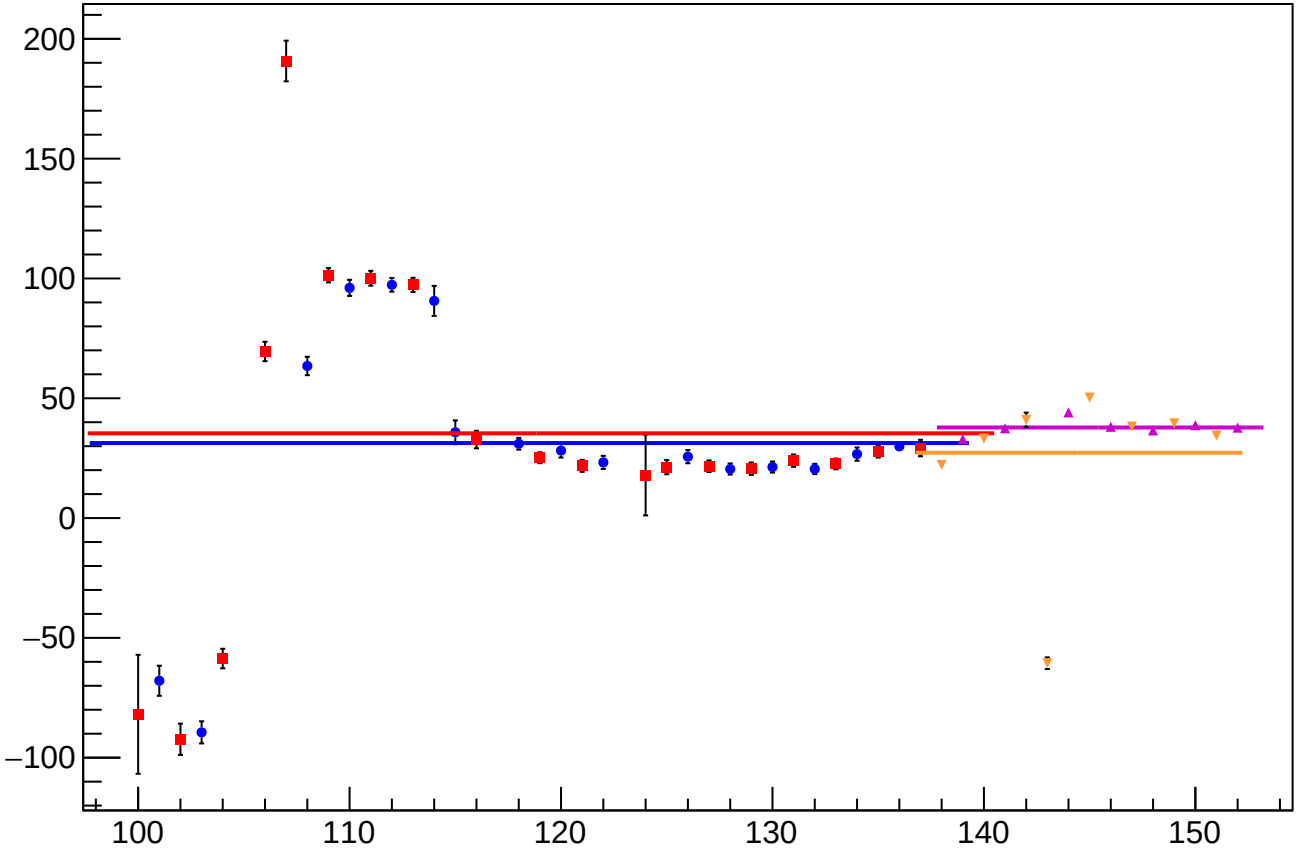
Left In: 0.046+/-0.507 χ^2/NDF:19.6/6

+ sign -1.819+/-0.386 χ^2/NDF: 175.1/23

All: -1.042+/-0.276 χ^2/NDF: 298.0/49

- sign -0.222+/-0.396 χ^2/NDF: 114.6/25

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 27.258+/-0.731 χ^2/NDF:1552.8/7

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

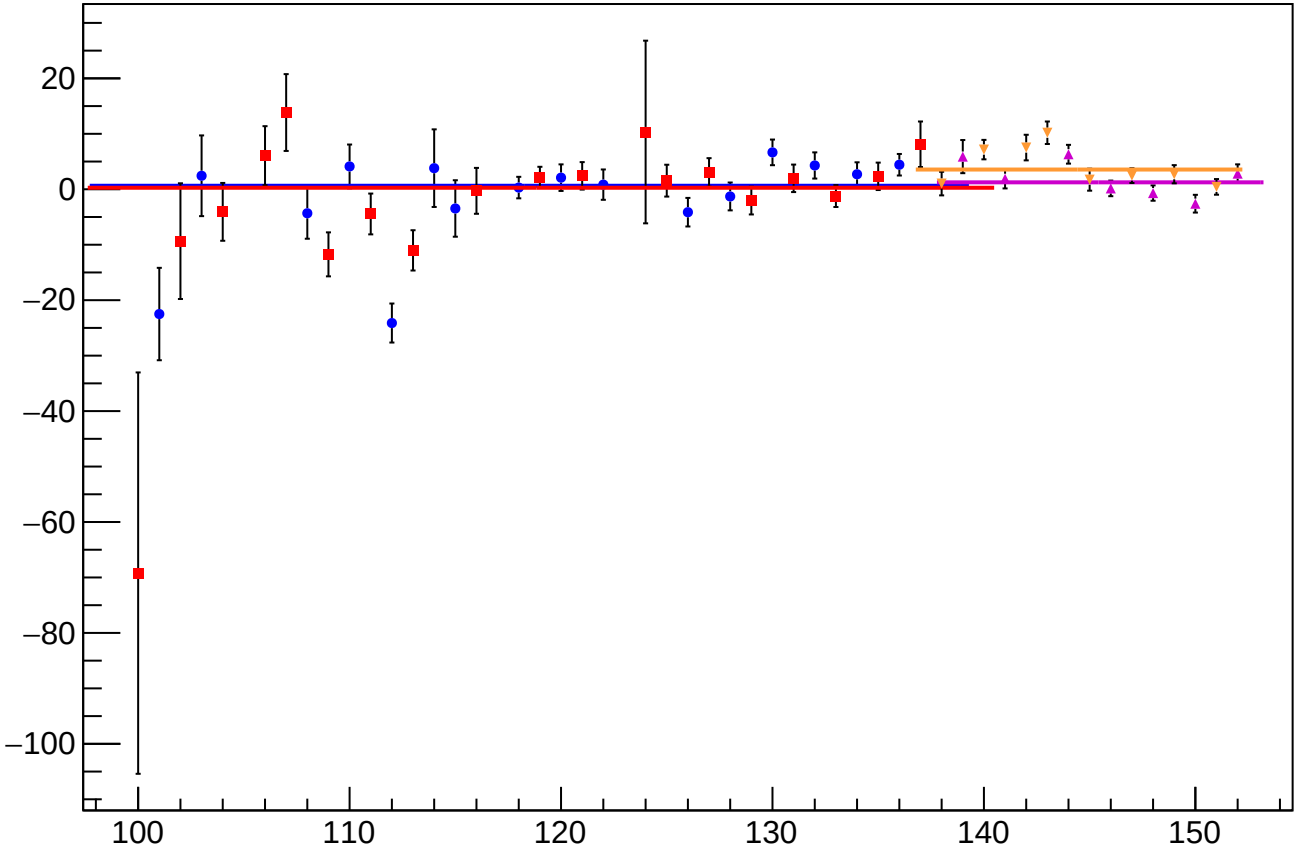
Left In: 37.804+/-0.734 χ^2/NDF:17.8/6

\+ sign 29.371+/-0.506 χ^2/NDF: 3654.7/23

All: 32.914+/-0.360 χ^2/NDF: 6675.4/49

\- sign 36.558+/-0.513 χ^2/NDF: 2921.1/25

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.559+/-0.612 χ^2/NDF:26.0/7

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

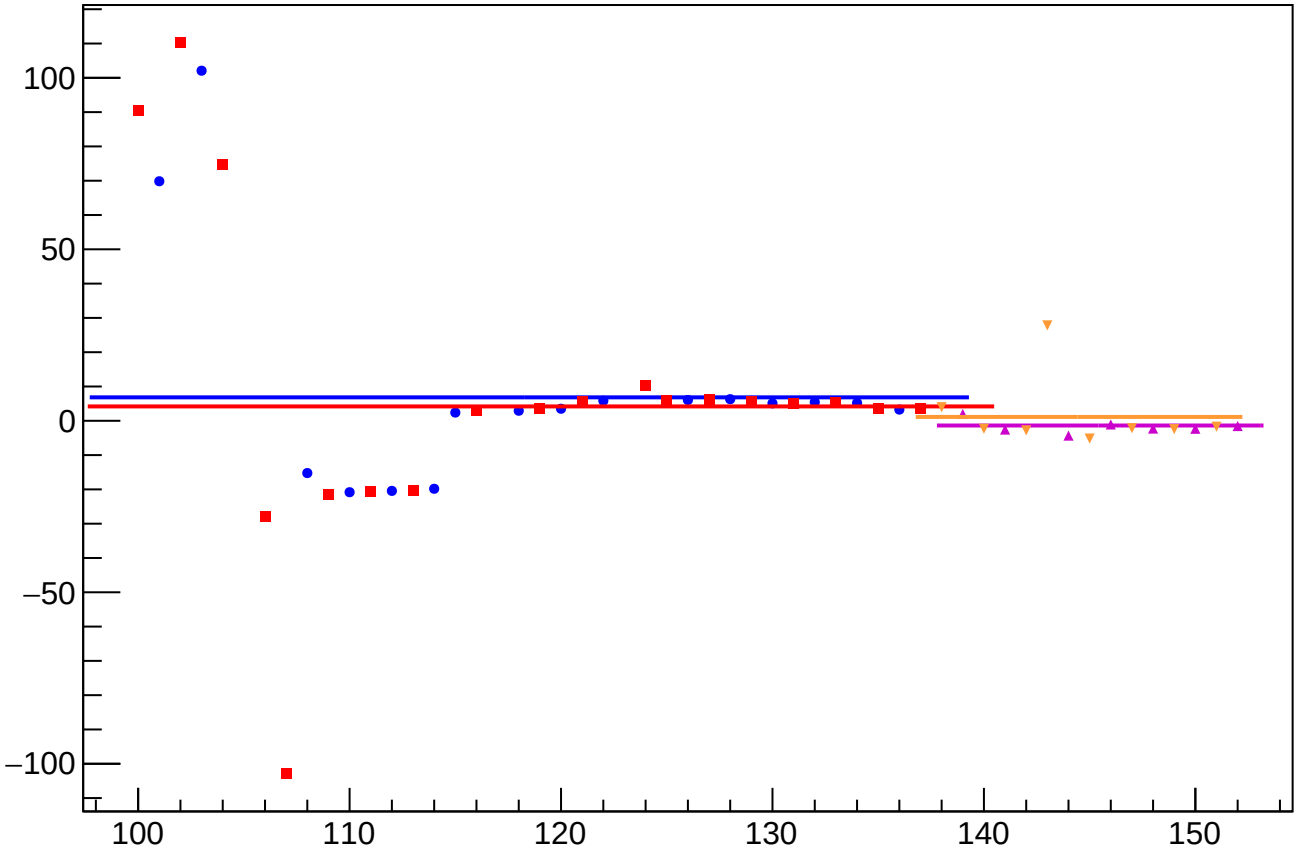
Left In: 1.251+/-0.624 χ^2/NDF:20.8/6

+ sign 2.300+/-0.462 χ^2/NDF: 114.2/23

All: 1.585+/-0.331 χ^2/NDF: 181.4/49

- sign 0.836+/-0.473 χ^2/NDF: 62.3/25

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 1.126+/-0.030 χ^2/NDF:85023.9/7

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

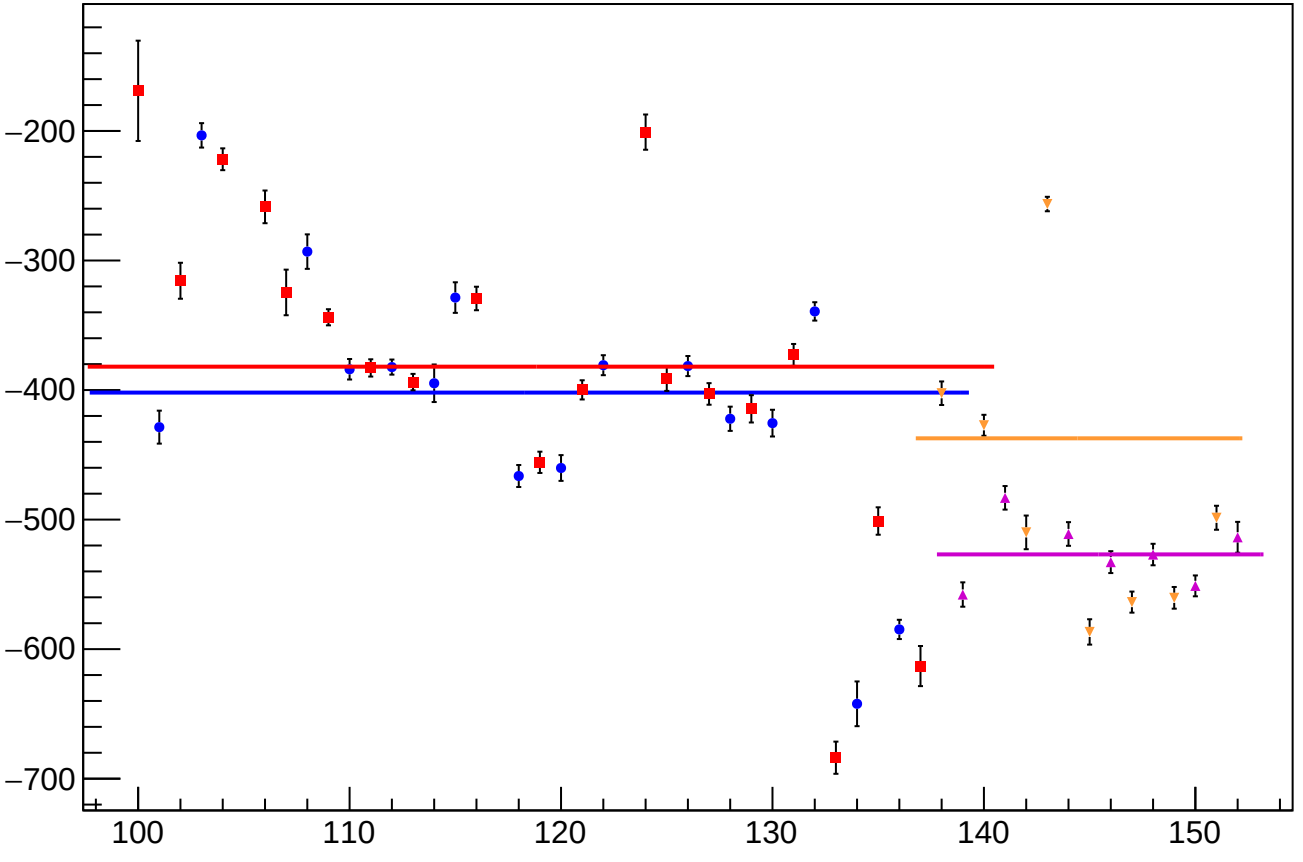
Left In: -1.373+/-0.029 χ^2/NDF:4330.1/6

+ sign 3.019+/-0.025 χ^2/NDF: 417863.1/23

All: 1.609+/-0.017 χ^2/NDF: 873618.9/49

- sign 0.202+/-0.025 χ^2/NDF: 449227.7/25

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -437.265+/-2.926 χ^2/NDF:1830.3/7

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

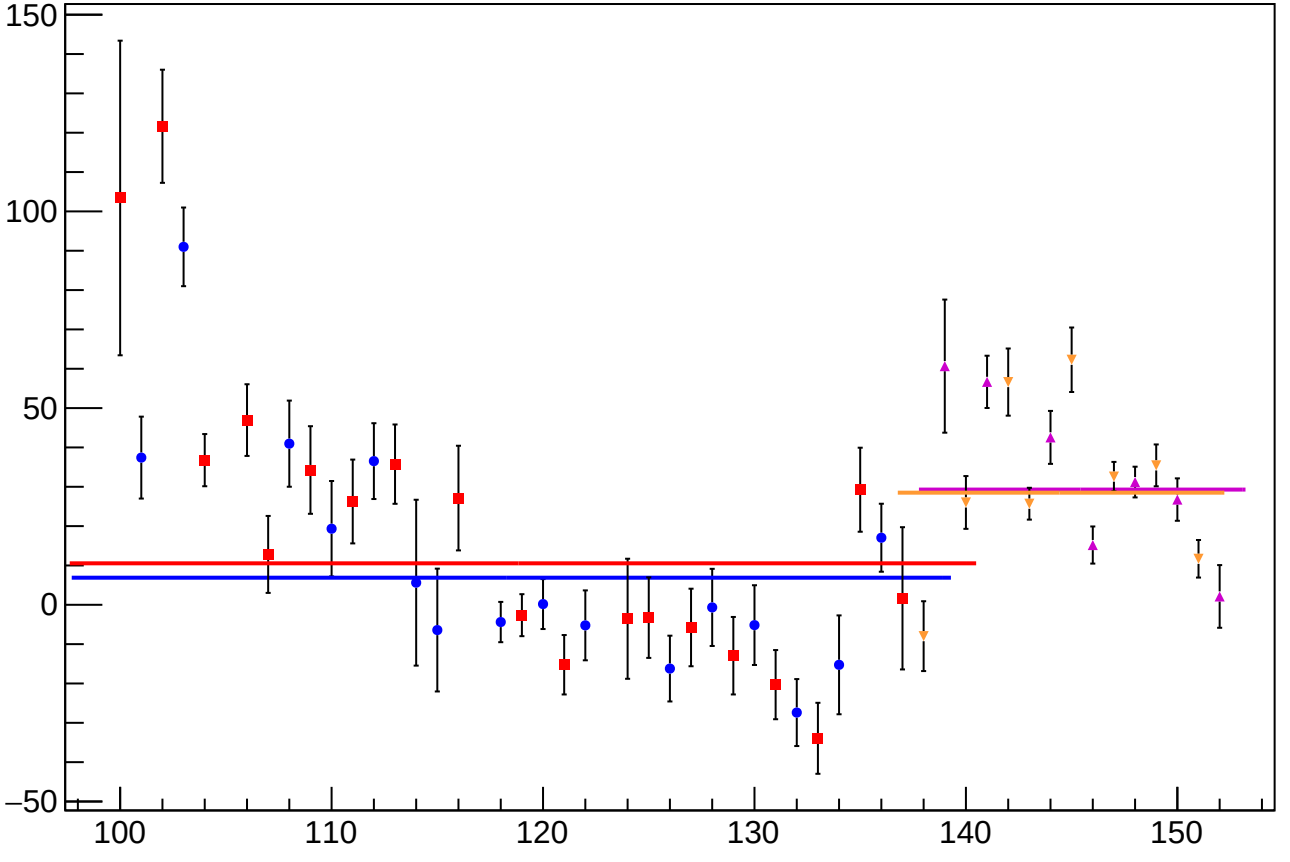
Left In: -526.865+/-3.402 χ^2/NDF:47.7/6

+ sign -414.980+/-1.777 χ^2/NDF: 3485.5/23

All: -418.734+/-1.265 χ^2/NDF: 6664.9/49

- sign -422.596+/-1.802 χ^2/NDF: 3170.3/25

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 28.504+/-1.905 χ^2/NDF:60.6/7

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

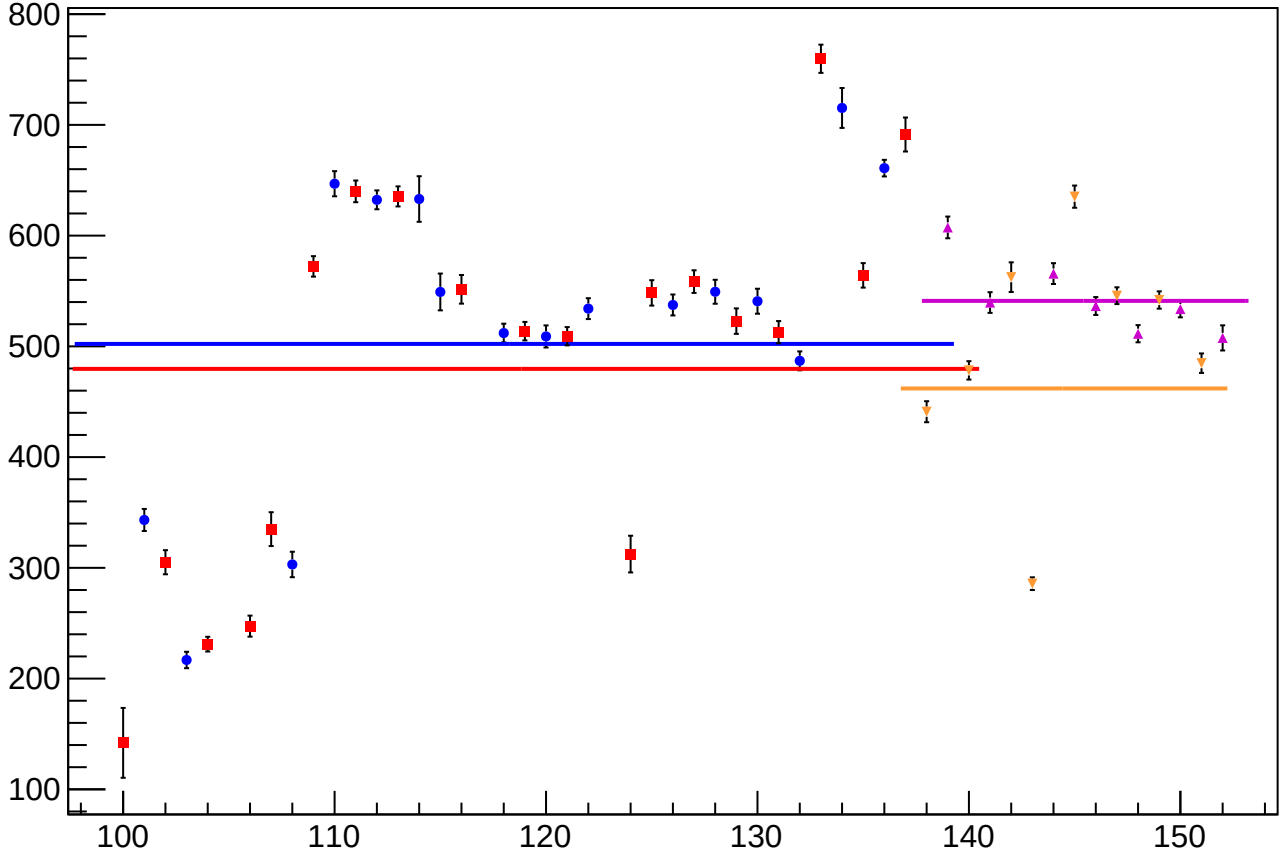
Left In: 29.288+/-2.188 χ^2/NDF:45.3/6

+ sign 19.543+/-1.458 χ^2/NDF: 252.4/23

All: 19.736+/-1.062 χ^2/NDF: 514.4/49

- sign 19.954+/-1.550 χ^2/NDF: 261.9/25

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 462.001+/-2.910 χ^2/NDF:1538.4/7

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

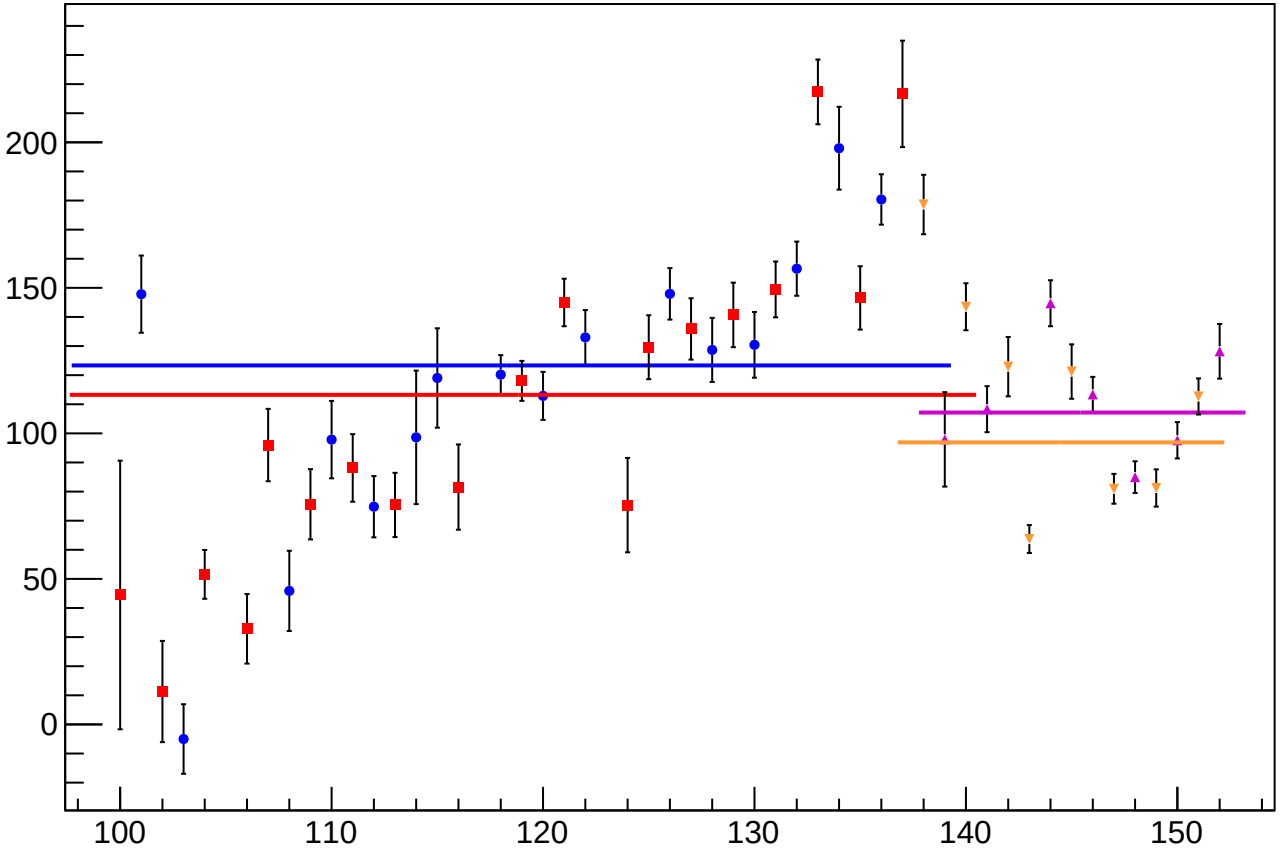
Left In: 541.065+/-3.324 χ^2/NDF:77.2/6

+ sign 485.195+/-1.893 χ^2/NDF: 4783.7/23

All: 492.741+/-1.357 χ^2/NDF: 9256.3/49

- sign 500.708+/-1.945 χ^2/NDF: 4440.0/25

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 96.911+/-2.370 χ^2/NDF:181.0/7

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

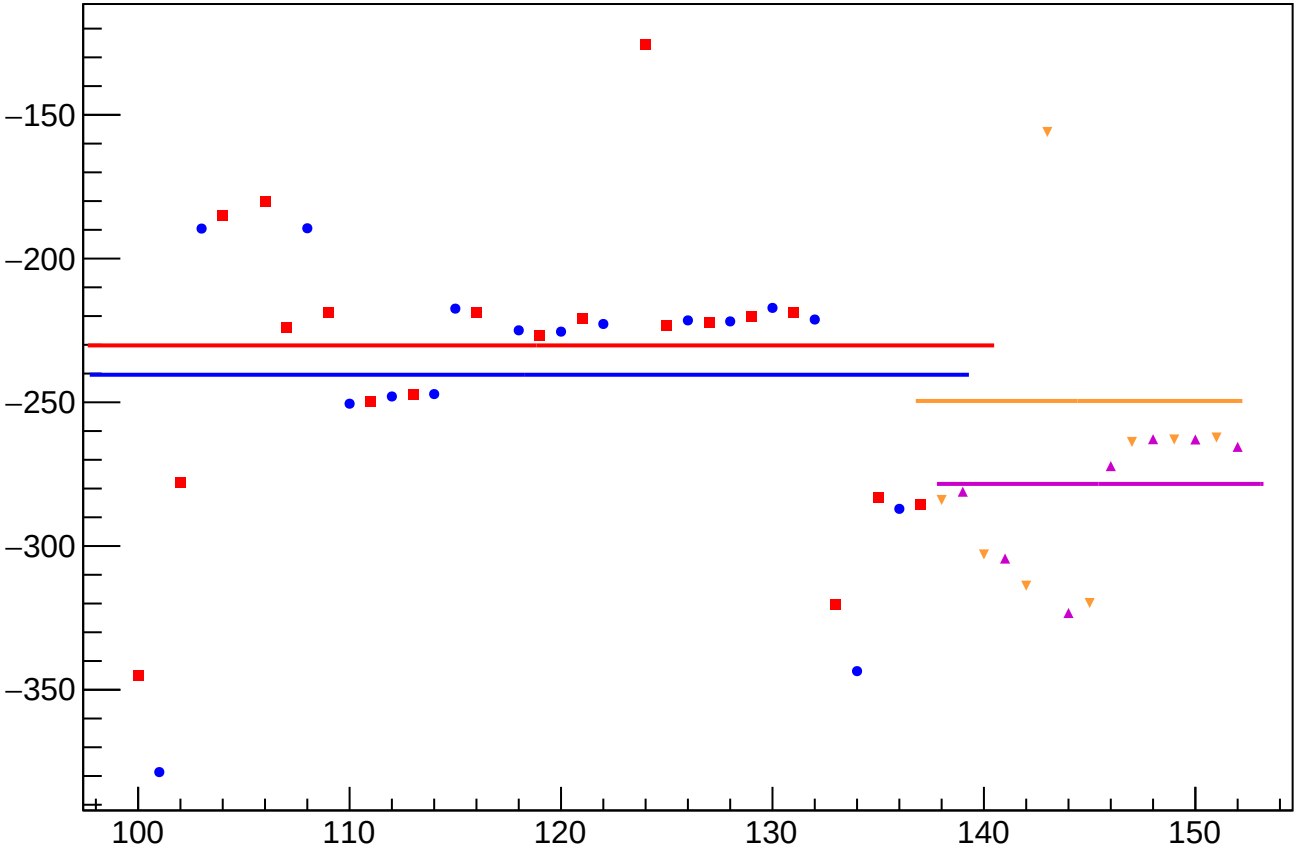
Left In: 107.160+/-2.728 χ^2/NDF:48.0/6

+ sign 108.770+/-1.760 χ^2/NDF: 508.2/23

All: 109.543+/-1.279 χ^2/NDF: 905.0/49

- sign 110.408+/-1.861 χ^2/NDF: 396.4/25

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -249.528+/-0.122 χ^2/NDF:231504.1/7

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

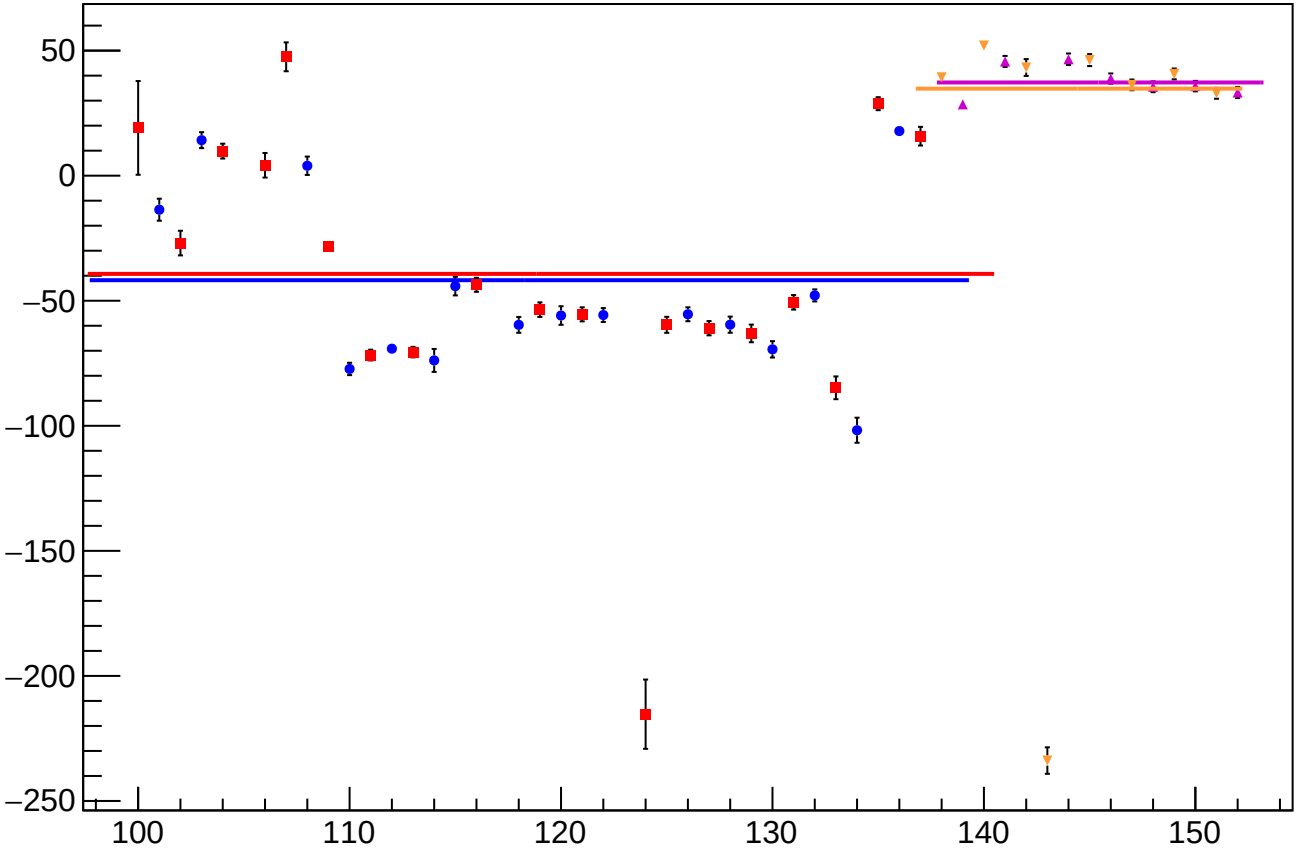
Left In: -278.386+/-0.134 χ^2/NDF:22360.7/6

+ sign -245.925+/-0.095 χ^2/NDF: 367872.1/23

All: -250.966+/-0.068 χ^2/NDF: 538520.3/49

- sign -256.458+/-0.099 χ^2/NDF: 164725.5/25

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 34.792+/-0.826 χ^2/NDF:2699.3/7

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

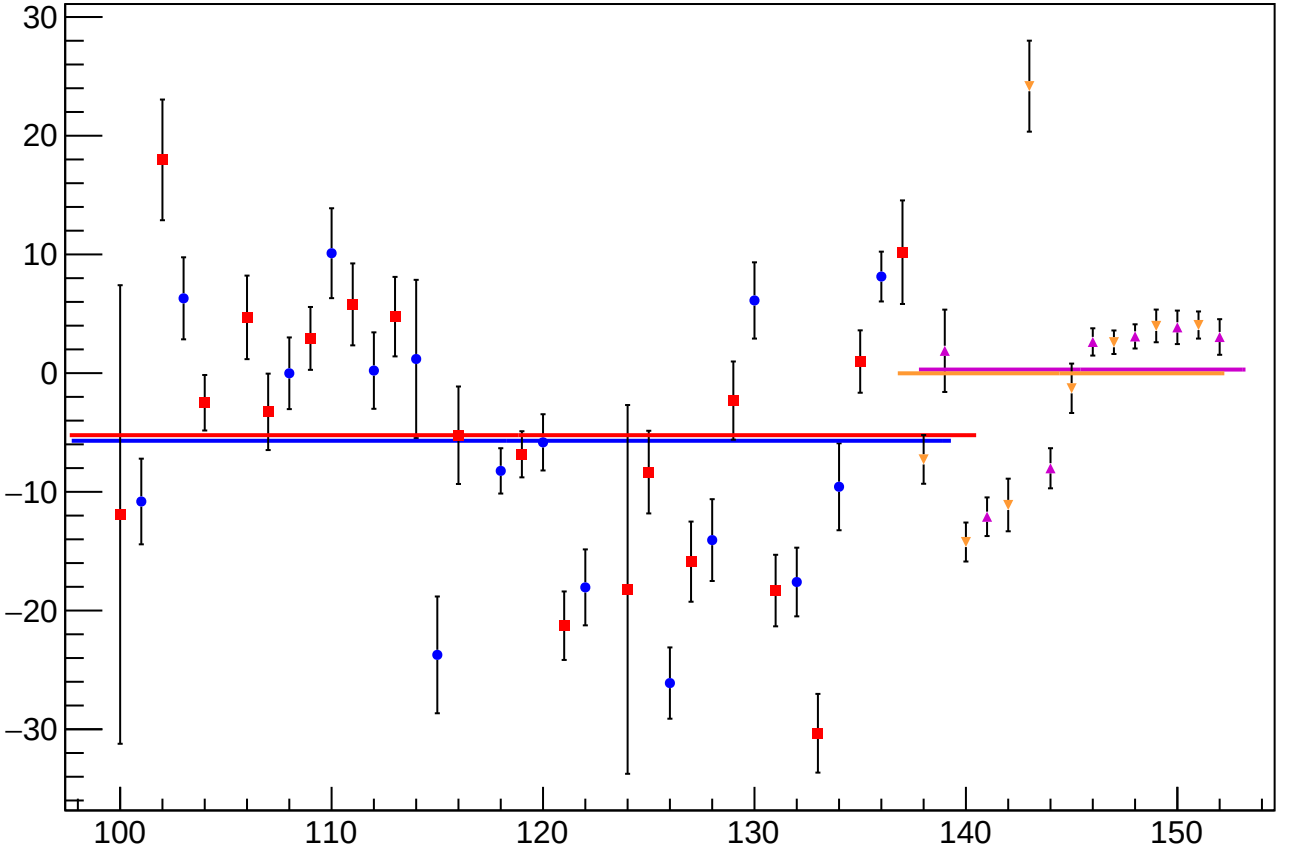
Left In: 37.266+/-0.804 χ^2/NDF:56.5/6

\+ sign -8.582+/-0.544 χ^2/NDF: 9967.8/23

All: -7.947+/-0.376 χ^2/NDF: 17789.3/49

\- sign -7.369+/-0.519 χ^2/NDF: 7818.9/25

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.015+/-0.540 χ^2/NDF:180.7/7

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

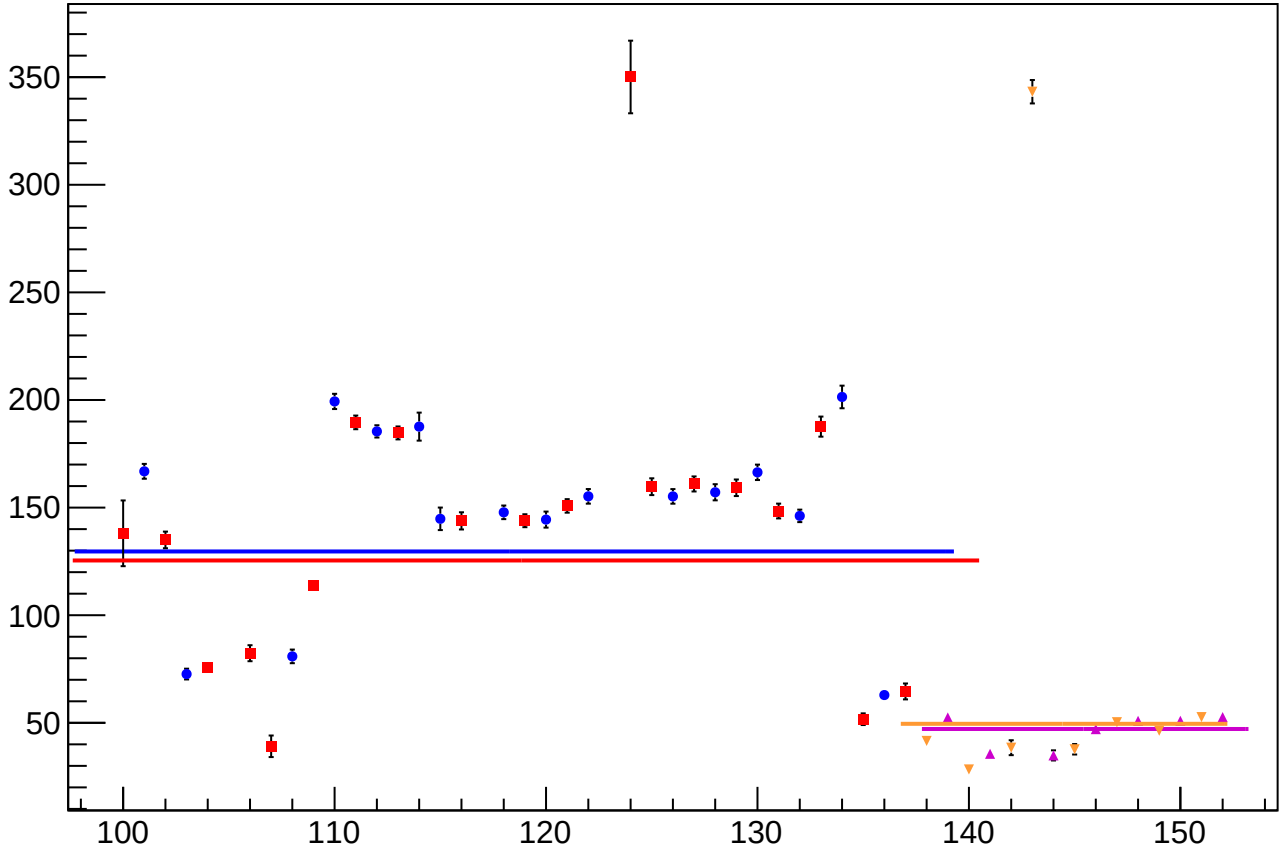
Left In: 0.301+/-0.536 χ^2/NDF:103.7/6

+ sign -1.947+/-0.439 χ^2/NDF: 415.0/23

All: -1.773+/-0.309 χ^2/NDF: 753.0/49

- sign -1.603+/-0.434 χ^2/NDF: 337.7/25

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 49.542+/-0.817 χ^2/NDF:3079.7/7

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

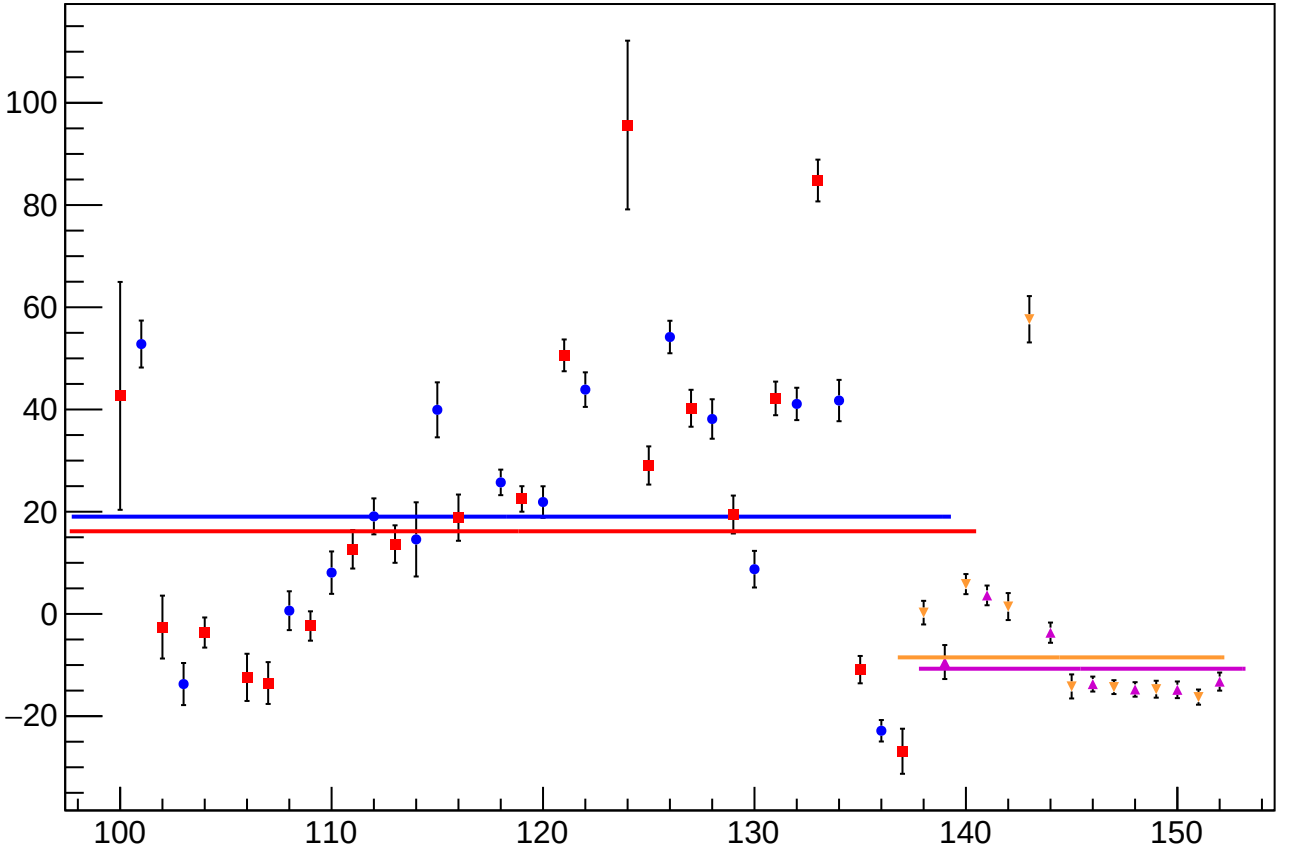
Left In: 47.138+/-0.788 χ^2/NDF:74.1/6

+ sign 90.369+/-0.572 χ^2/NDF: 11607.7/23

All: 88.241+/-0.399 χ^2/NDF: 20135.2/49

- sign 86.213+/-0.558 χ^2/NDF: 8500.3/25

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -8.500+/-0.677 χ^2/NDF:360.5/7

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

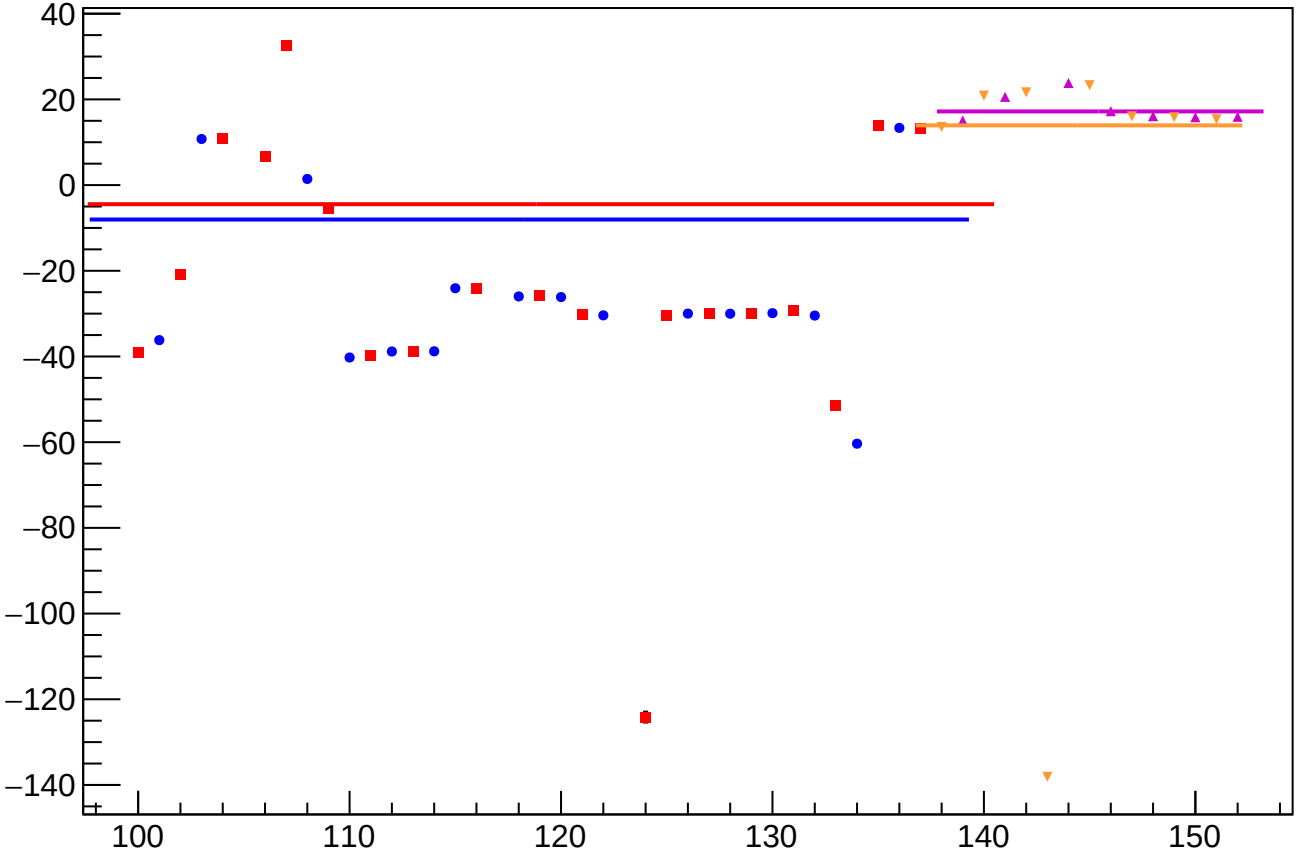
Left In: -10.720+/-0.663 χ^2/NDF:88.9/6

+ sign 2.037+/-0.532 χ^2/NDF: 1851.5/23

All: 0.752+/-0.373 χ^2/NDF: 3519.1/49

- sign -0.485+/-0.522 χ^2/NDF: 1656.1/25

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 13.936+/-0.034 χ^2/NDF:470437.5/7

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

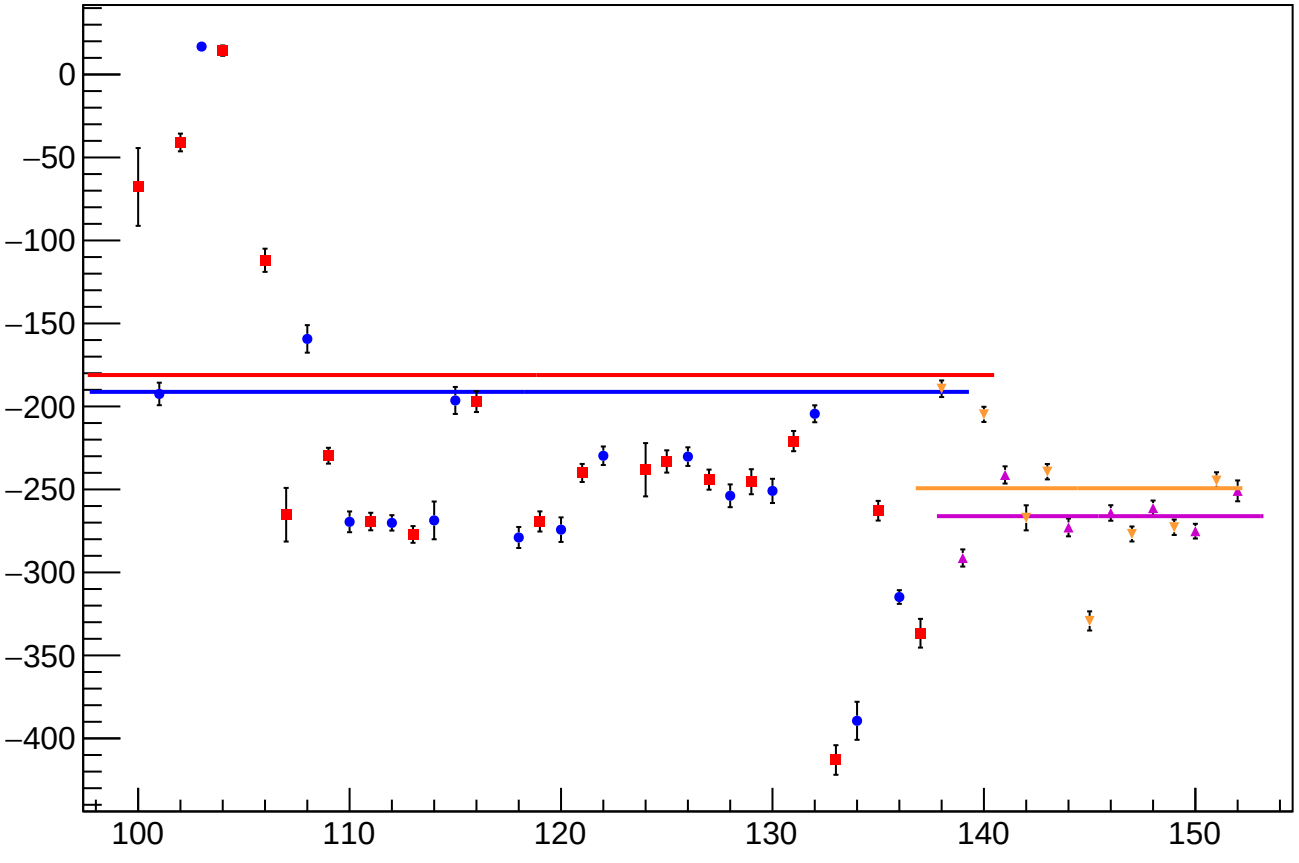
Left In: 17.189+/-0.031 χ^2/NDF:6939.5/6

+ sign 6.216+/-0.027 χ^2/NDF: 887455.9/23

All: 8.459+/-0.019 χ^2/NDF: 1283880.5/49

- sign 10.512+/-0.026 χ^2/NDF: 383368.0/25

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -249.277+/-1.777 χ^2/NDF:504.1/7

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

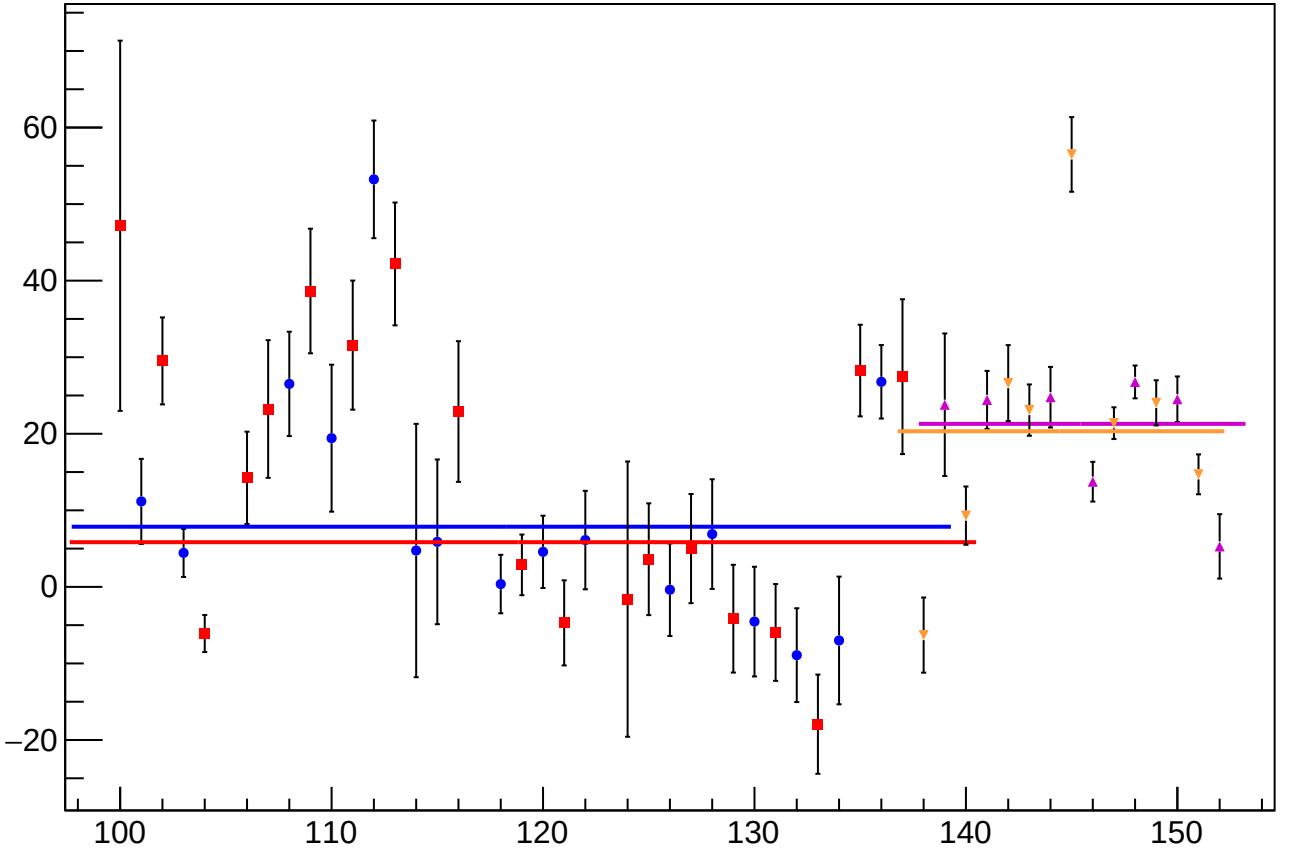
Left In: -266.110+/-1.893 χ^2/NDF:59.5/6

+ sign -213.821+/-1.109 χ^2/NDF: 8380.6/23

All: -212.254+/-0.787 χ^2/NDF: 17134.3/49

- sign -210.665+/-1.116 χ^2/NDF: 8749.7/25

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 20.329+/-1.135 χ^2/NDF:101.6/7

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

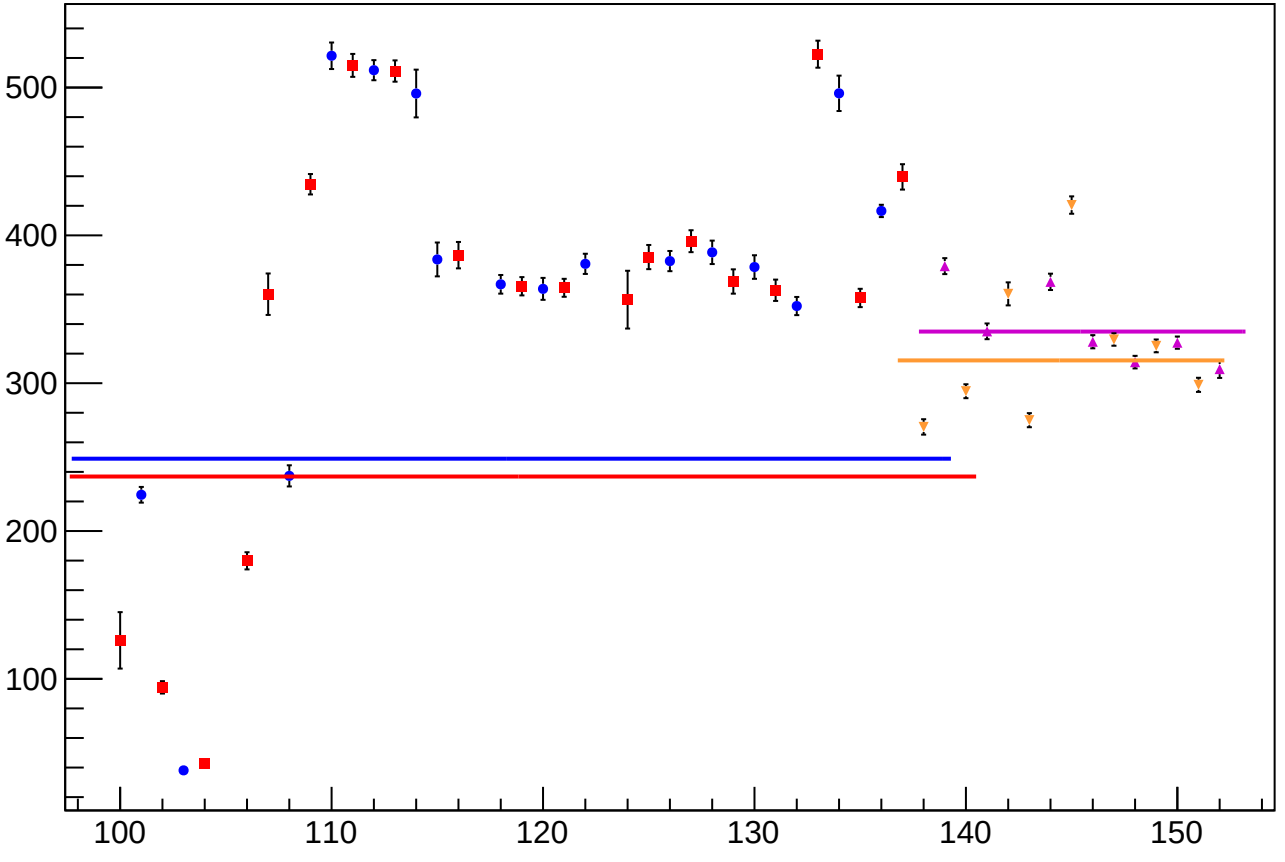
Left In: 21.294+/-1.212 χ^2/NDF:32.2/6

+ sign 15.545+/-0.891 χ^2/NDF: 228.9/23

All: 14.993+/-0.634 χ^2/NDF: 475.9/49

- sign 14.426+/-0.904 χ^2/NDF: 246.2/25

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 315.415+/-1.756 χ^2/NDF:546.5/7

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

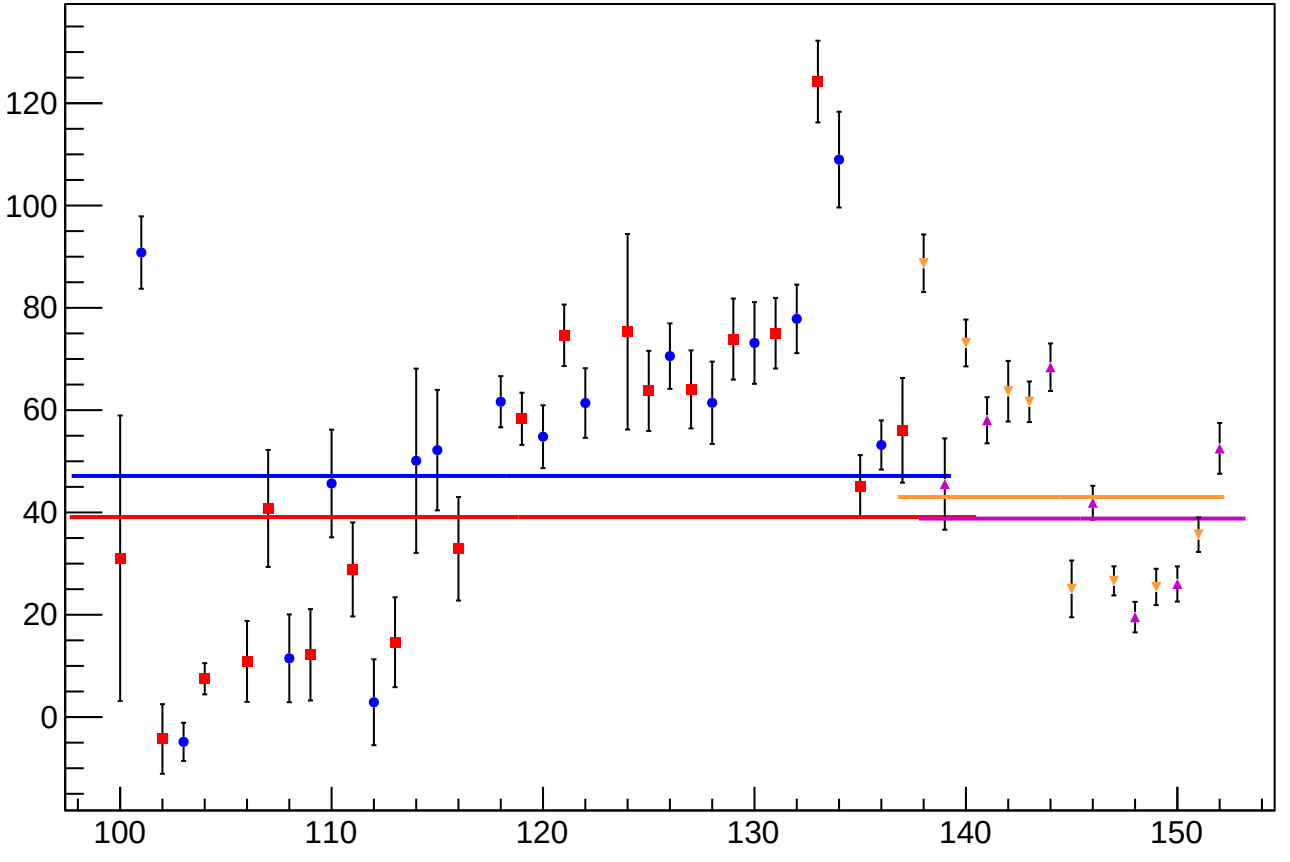
Left In: 334.925+/-1.846 χ^2/NDF:151.3/6

+ sign 275.264+/-1.105 χ^2/NDF: 16714.8/23

All: 274.093+/-0.786 χ^2/NDF: 34310.7/49

- sign 272.892+/-1.119 χ^2/NDF: 17593.6/25

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 43.025+/-1.423 χ^2/NDF:216.1/7

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

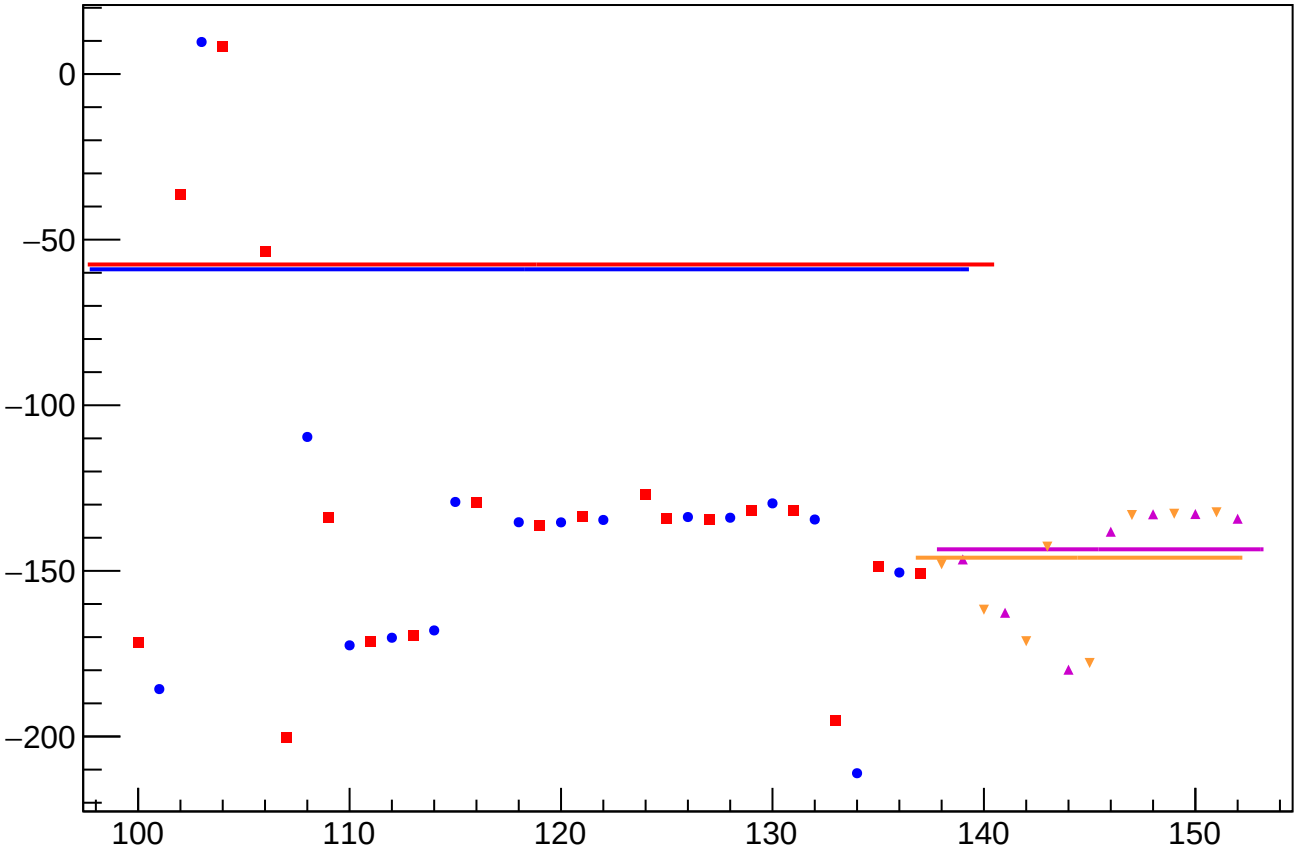
Left In: 38.803+/-1.513 χ^2/NDF:123.3/6

+ sign 44.758+/-1.083 χ^2/NDF: 605.0/23

All: 41.894+/-0.771 χ^2/NDF: 1158.9/49

- sign 38.946+/-1.098 χ^2/NDF: 539.8/25

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -146.018+/-0.073 χ^2/NDF:46006.0/7

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

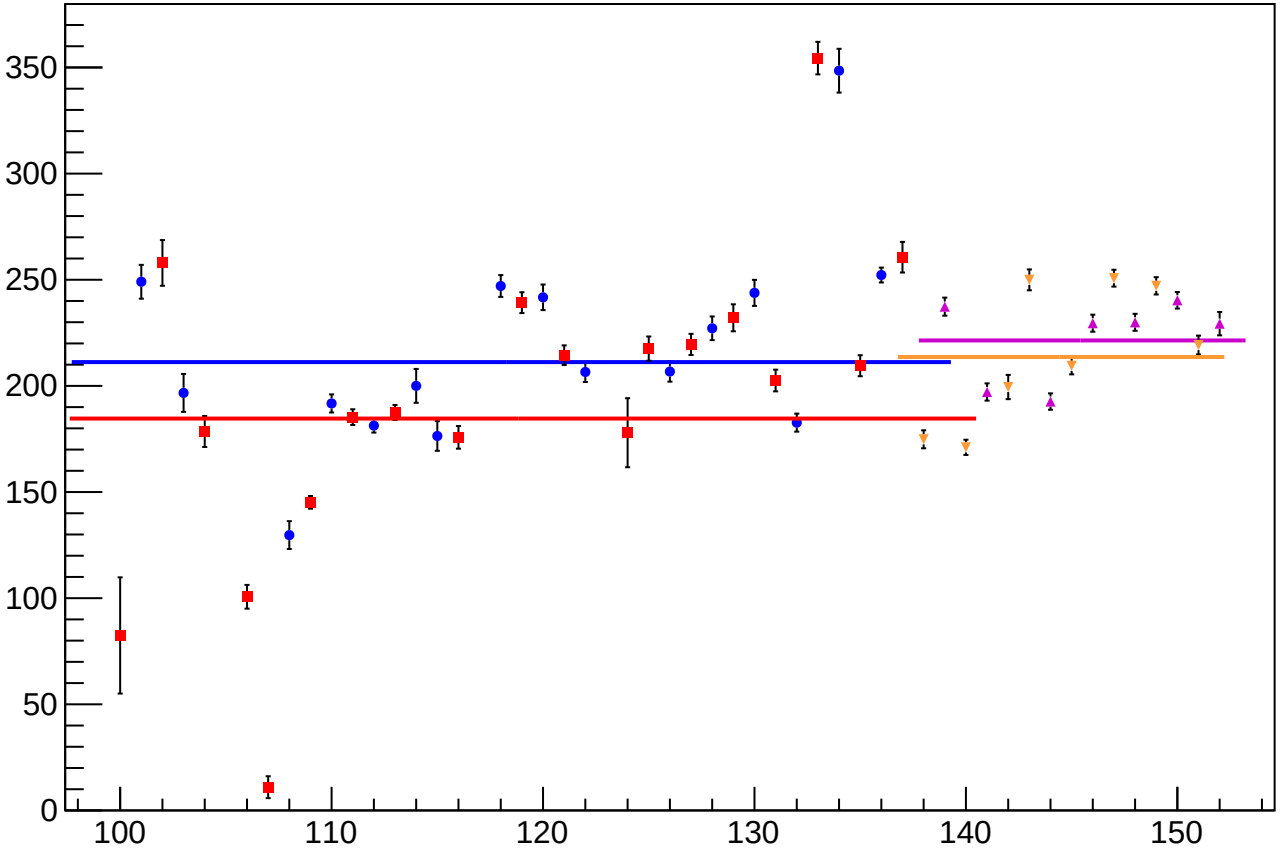
Left In: -143.490+/-0.074 χ^2/NDF:39843.1/6

+ sign -101.983+/-0.052 χ^2/NDF: 1983671.3/23

All: -101.287+/-0.037 χ^2/NDF: 3566827.3/49

- sign -100.569+/-0.052 χ^2/NDF: 1582786.9/25

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 213.611+/-1.506 χ^2/NDF:442.6/7

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

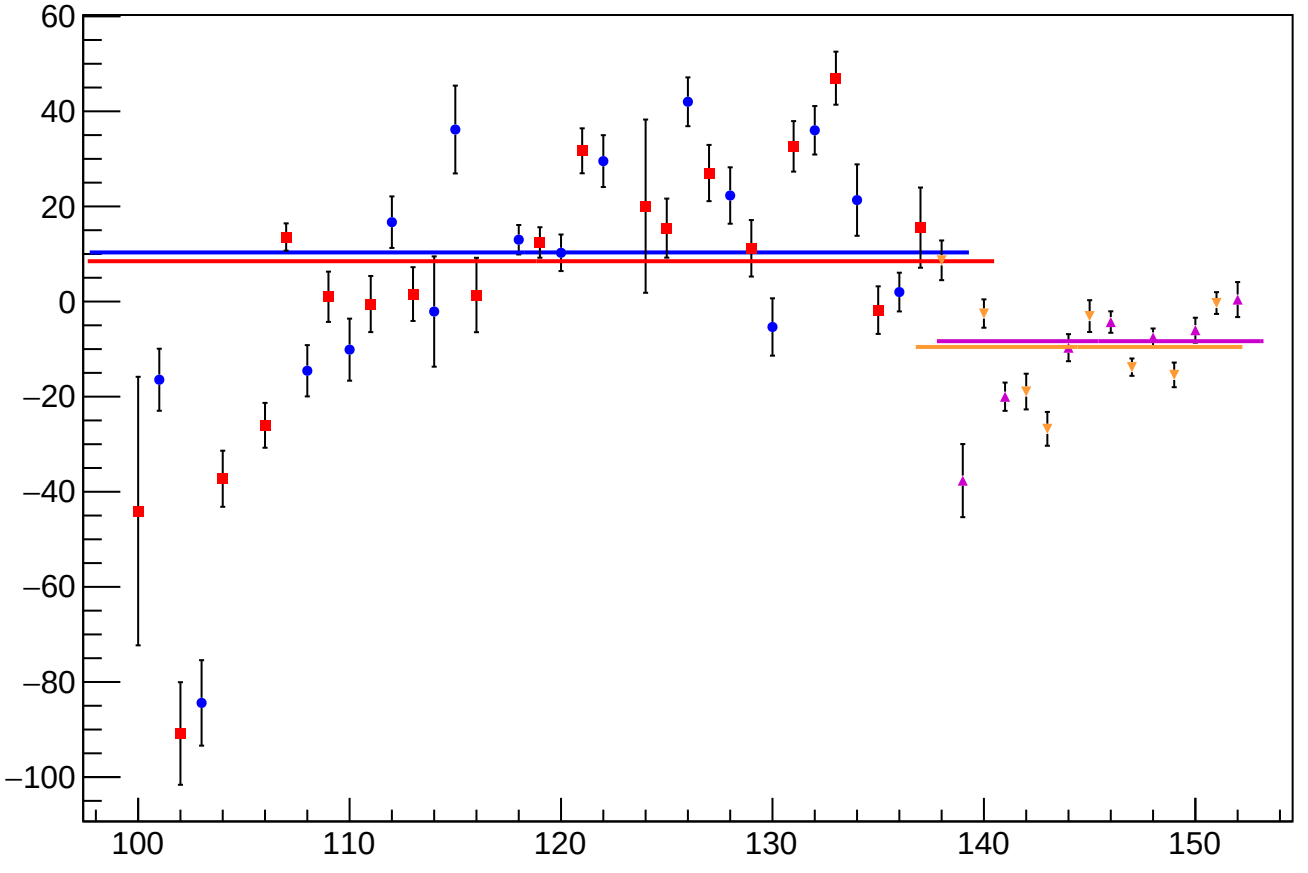
Left In: 221.410+/-1.569 χ^2/NDF:139.7/6

+ sign 212.232+/-0.982 χ^2/NDF: 1227.0/23

All: 204.935+/-0.683 χ^2/NDF: 4362.3/49

- sign 198.105+/-0.950 χ^2/NDF: 3028.4/25

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -9.550+/-0.977 χ^2/NDF:84.8/7

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

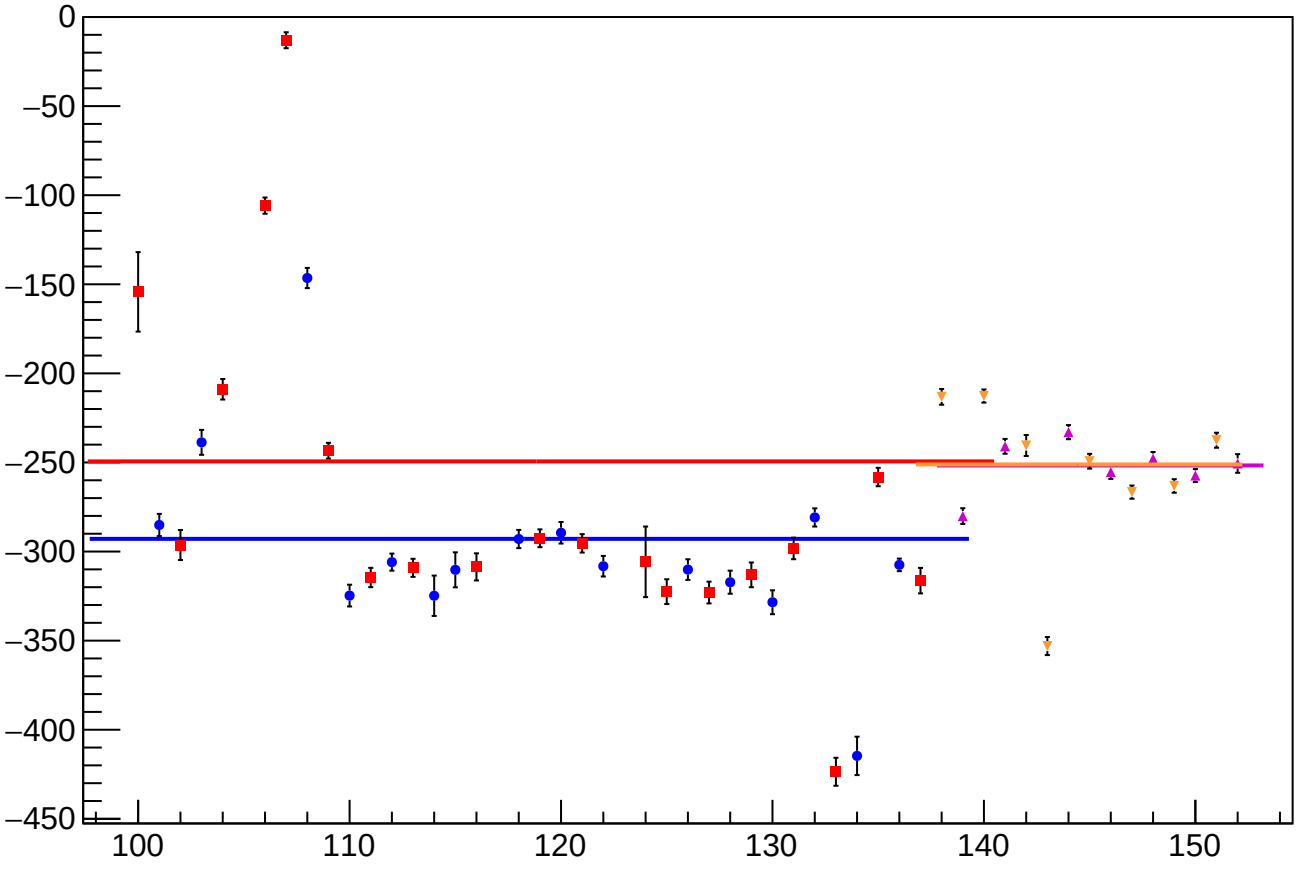
Left In: -8.334+/-1.026 χ^2/NDF:40.0/6

\+ sign -2.603+/-0.788 χ^2/NDF: 492.8/23

All: -2.002+/-0.557 χ^2/NDF: 967.1/49

\- sign -1.403+/-0.786 χ^2/NDF: 473.1/25

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -251.112+/-1.492 χ^2/NDF:628.7/7

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

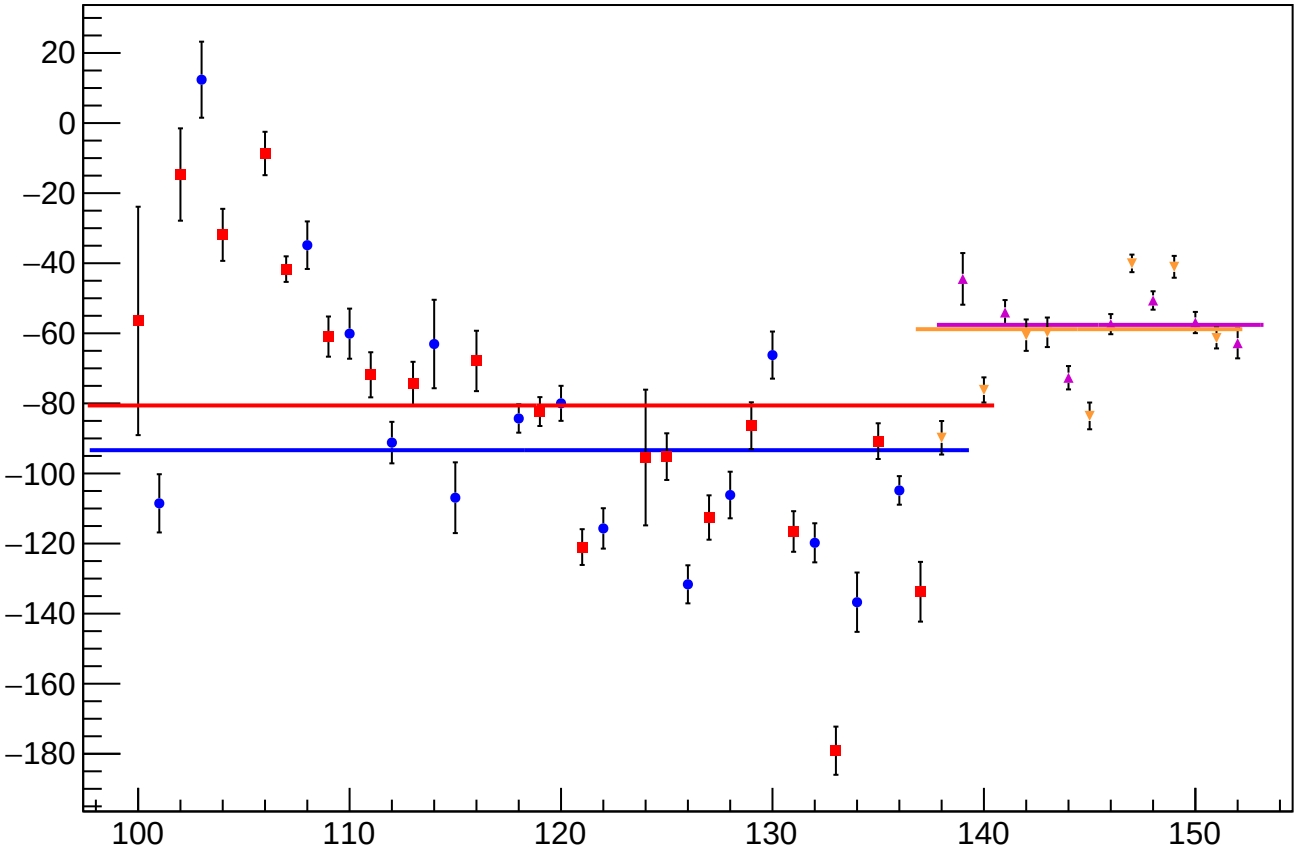
Left In: -251.682+/-1.539 χ^2/NDF:74.3/6

+ sign -272.344+/-1.046 χ^2/NDF: 2010.3/23

All: -261.127+/-0.731 χ^2/NDF: 7679.0/49

- sign -250.412+/-1.023 χ^2/NDF: 5444.0/25

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -58.822+/-1.221 χ^2/NDF:197.0/7

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

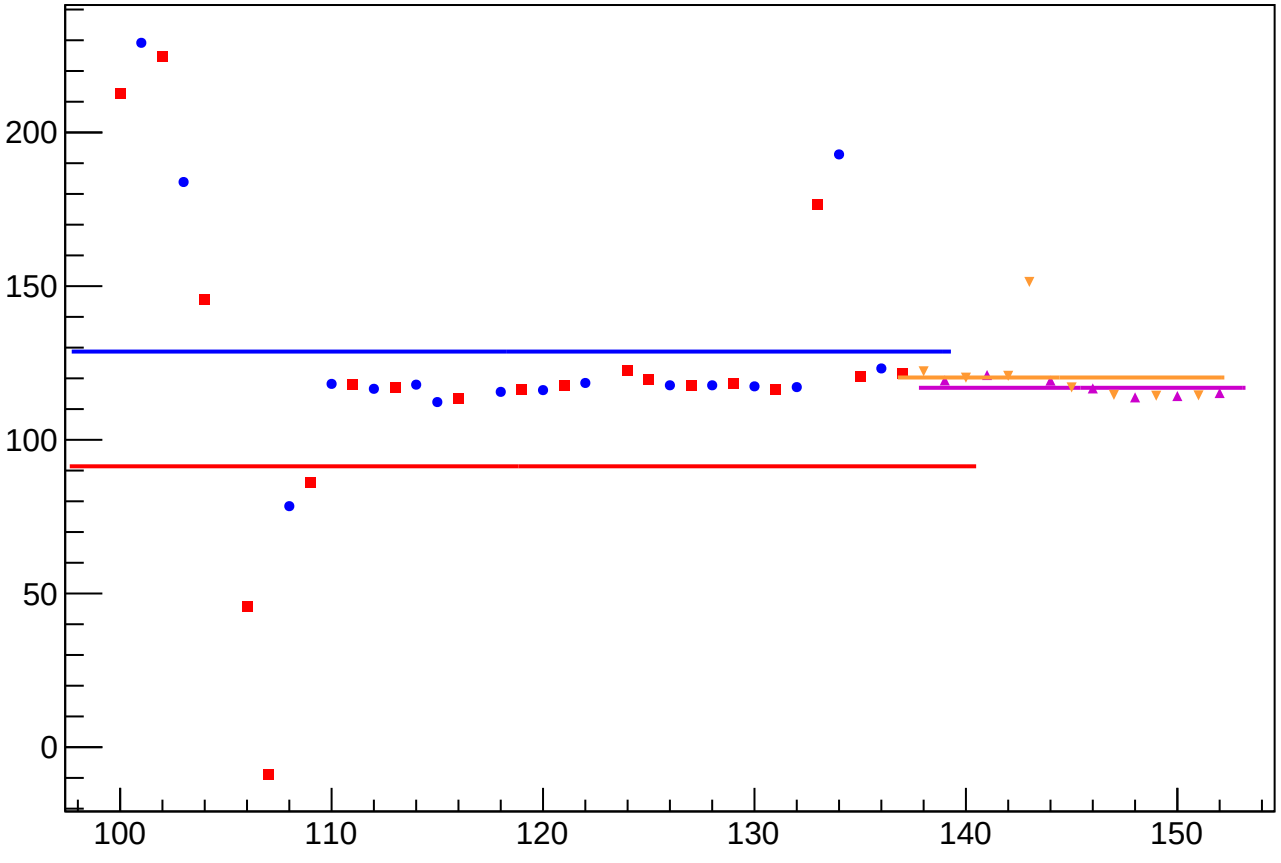
Left In: -57.592+/-1.273 χ^2/NDF:33.2/6

+ sign -72.209+/-0.955 χ^2/NDF: 862.5/23

All: -69.995+/-0.673 χ^2/NDF: 1766.7/49

- sign -67.810+/-0.949 χ^2/NDF: 893.5/25

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 120.278+/-0.062 χ^2/NDF:25980.1/7

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

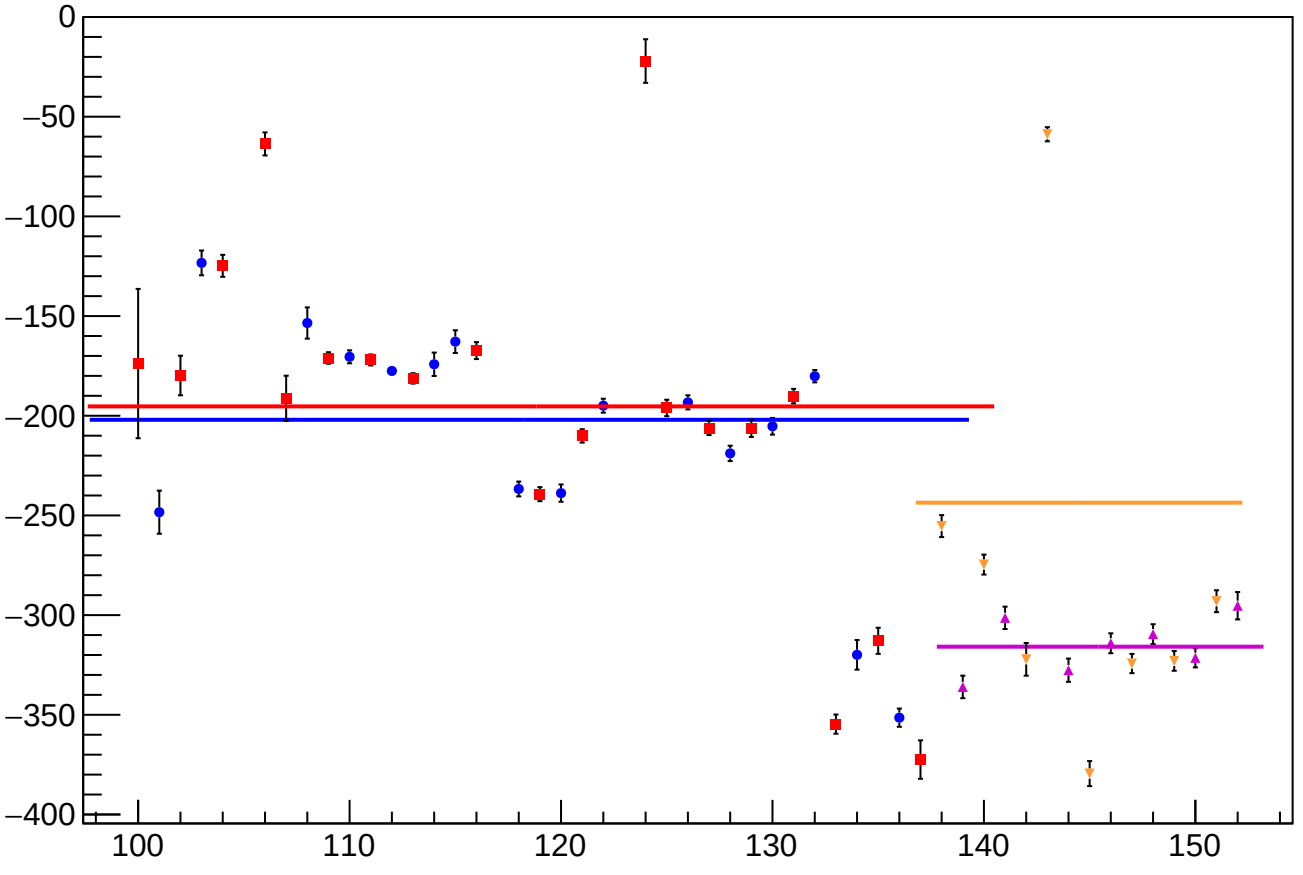
Left In: 116.927+/-0.062 χ^2/NDF:1831.2/6

+ sign 123.051+/-0.051 χ^2/NDF: 215518.2/23

All: 114.758+/-0.035 χ^2/NDF: 937222.5/49

- sign 107.193+/-0.049 χ^2/NDF: 671342.3/25

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -243.592+/-1.799 χ^2/NDF:3918.7/7

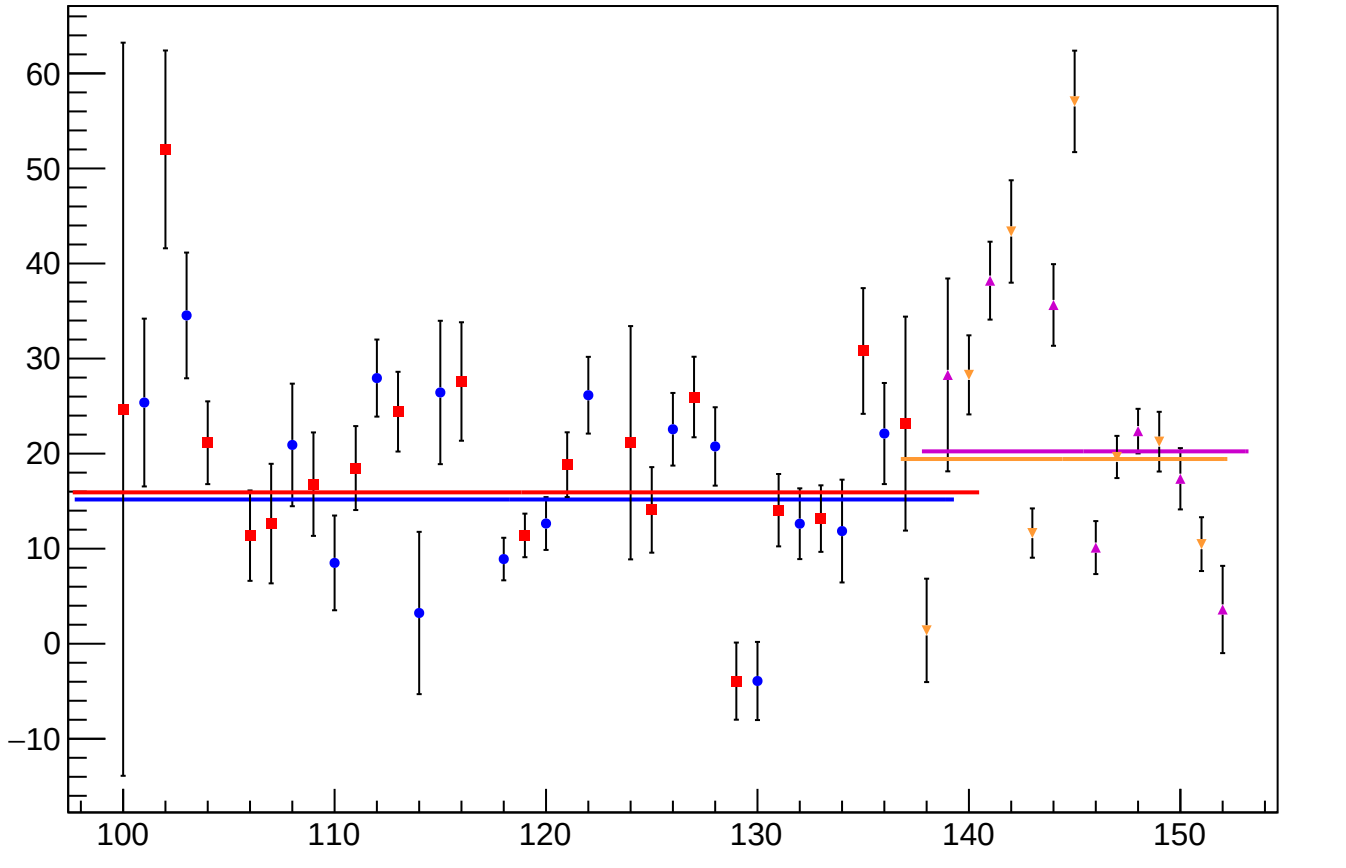
Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -315.833+/-2.052 χ^2/NDF:35.6/6

+ sign -212.196+/-0.890 χ^2/NDF: 6362.4/23

All: -214.864+/-0.626 χ^2/NDF: 12331.4/49

- sign -217.473+/-0.880 χ^2/NDF: 5951.2/25



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 19.432+/-1.163 χ^2/NDF:104.3/7

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

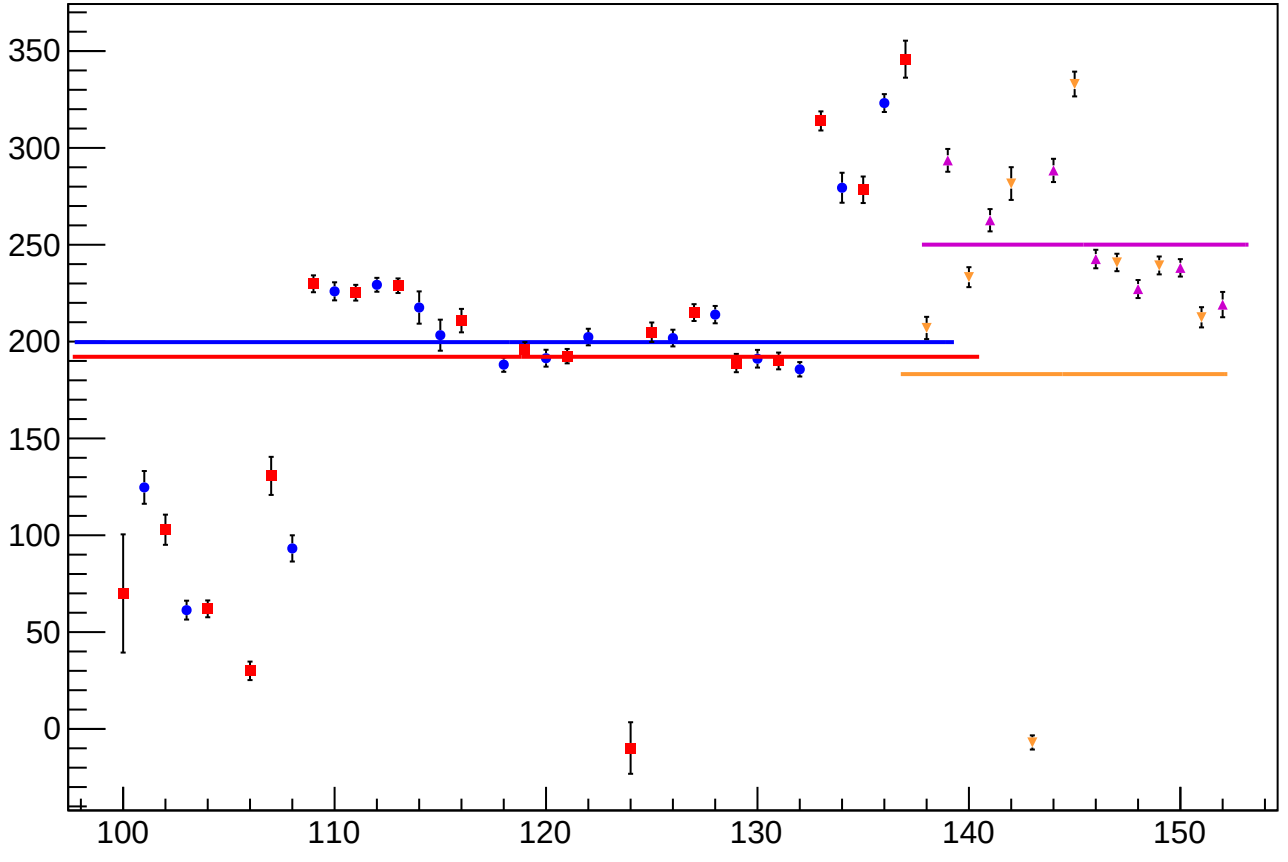
Left In: 20.237+/-1.316 χ^2/NDF:60.6/6

+ sign 17.082+/-0.779 χ^2/NDF: 184.1/23

All: 17.318+/-0.563 χ^2/NDF: 315.1/49

- sign 17.577+/-0.814 χ^2/NDF: 130.8/25

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 183.211+/-1.785 χ^2/NDF:3838.7/7

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

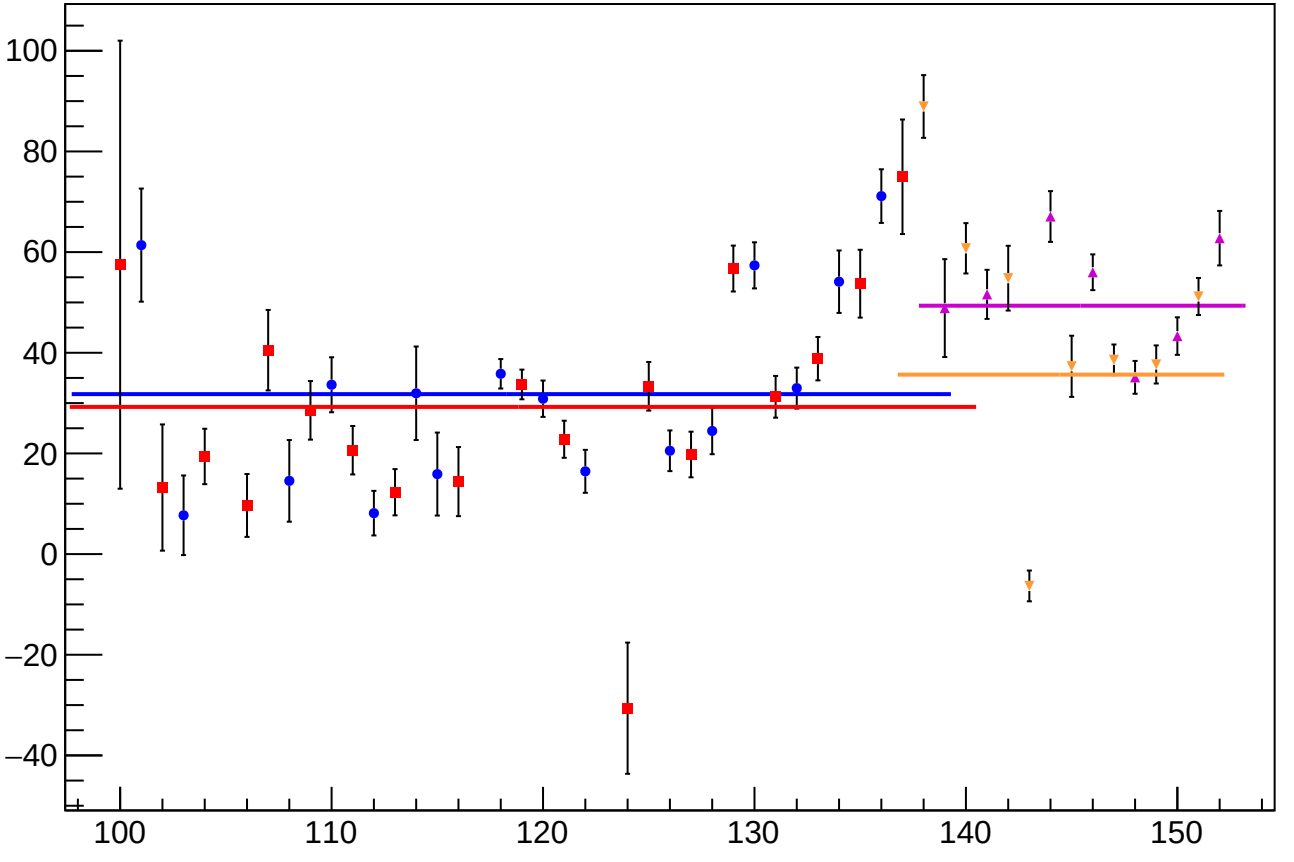
Left In: 250.055+/-2.002 χ^2/NDF:156.3/6

+ sign 194.606+/-0.993 χ^2/NDF: 5999.4/23

All: 200.545+/-0.704 χ^2/NDF: 10633.5/49

- sign 206.533+/-0.997 χ^2/NDF: 4562.3/25

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 35.658+/-1.450 χ^2/NDF:314.6/7

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

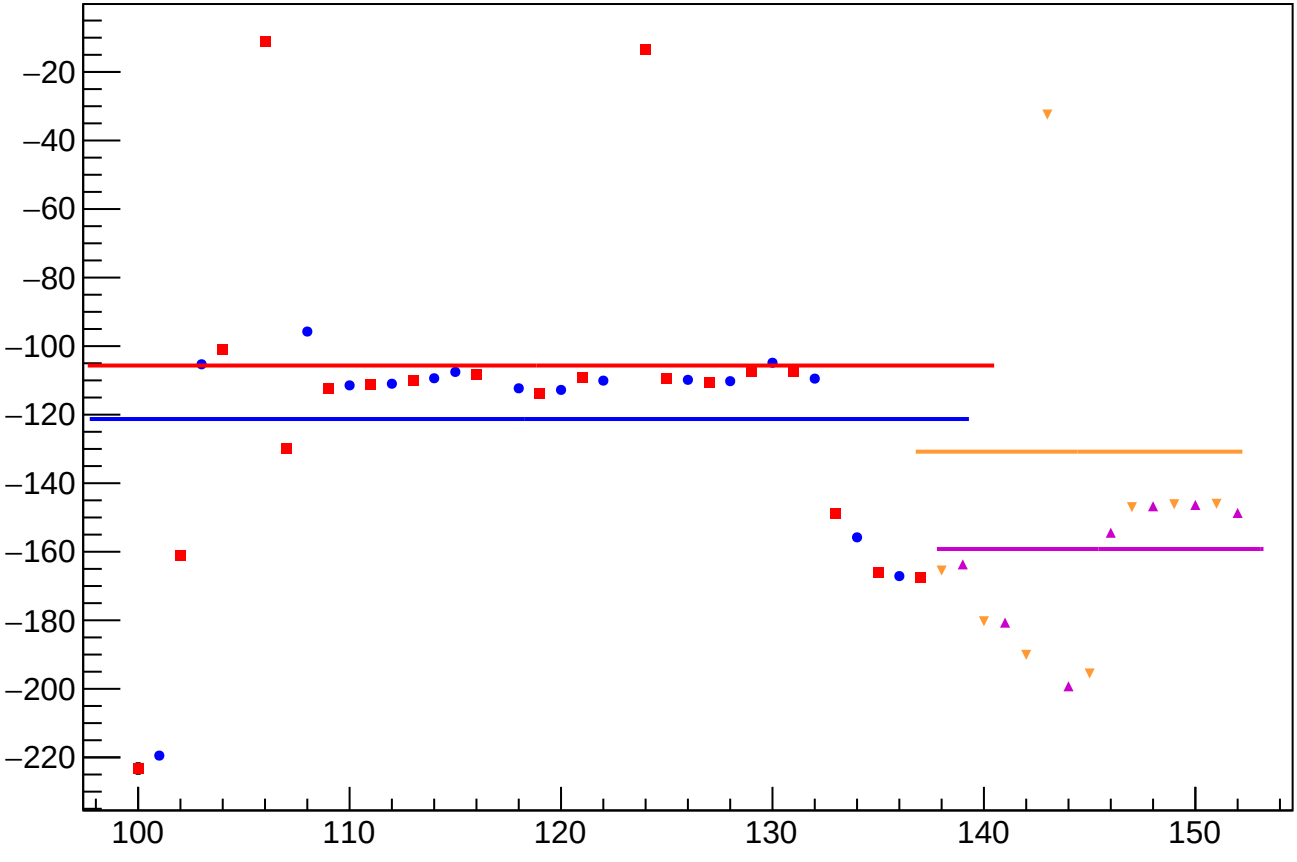
Left In: 49.353+/-1.641 χ^2/NDF:43.9/6

+ sign 33.383+/-0.932 χ^2/NDF: 495.8/23

All: 34.751+/-0.671 χ^2/NDF: 783.1/49

- sign 36.223+/-0.967 χ^2/NDF: 282.8/25

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -130.796+/-0.075 χ^2/NDF:600760.7/7

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

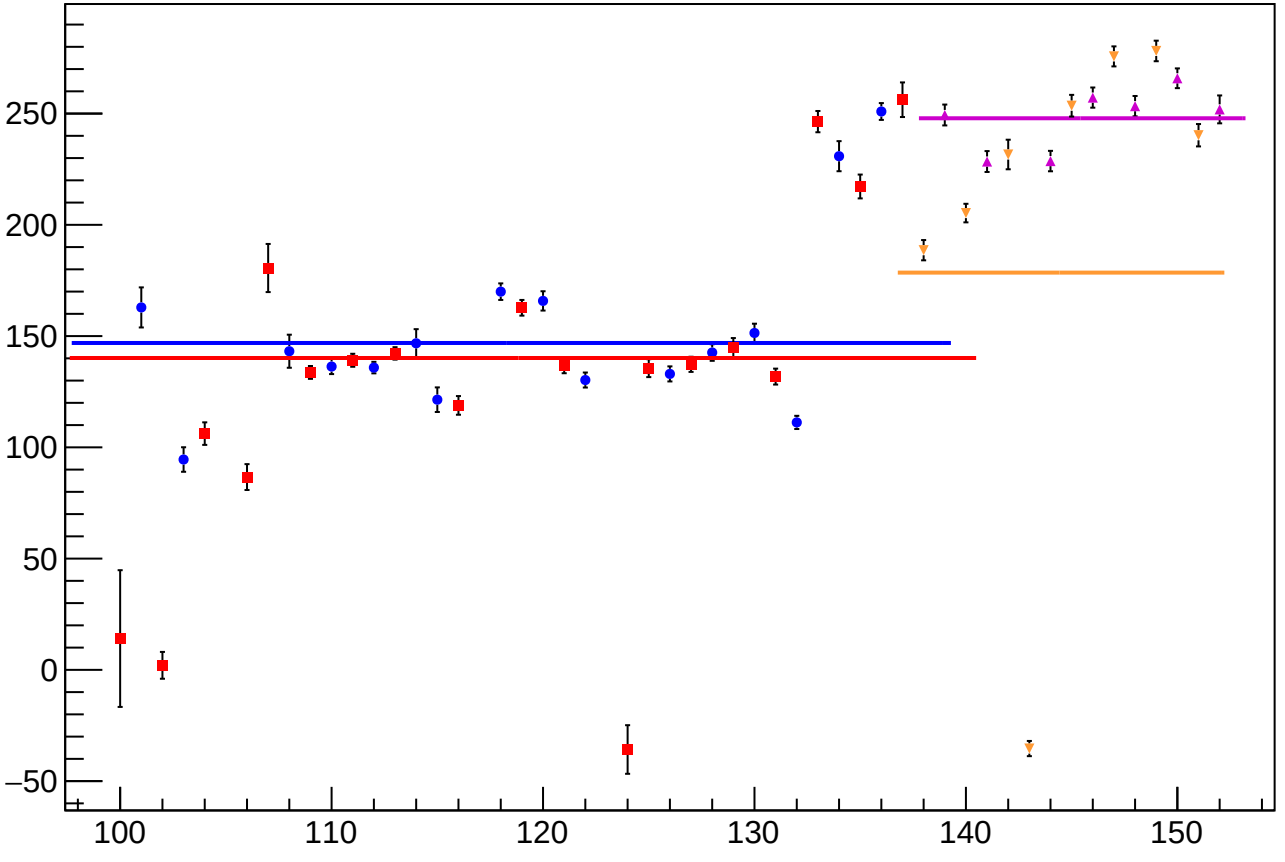
Left In: -159.199+/-0.080 χ^2/NDF:42770.3/6

+ sign -126.321+/-0.054 χ^2/NDF: 727829.1/23

All: -128.368+/-0.039 χ^2/NDF: 1366391.2/49

- sign -130.450+/-0.055 χ^2/NDF: 635693.3/25

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 178.529+/-1.597 χ^2/NDF:5343.7/7

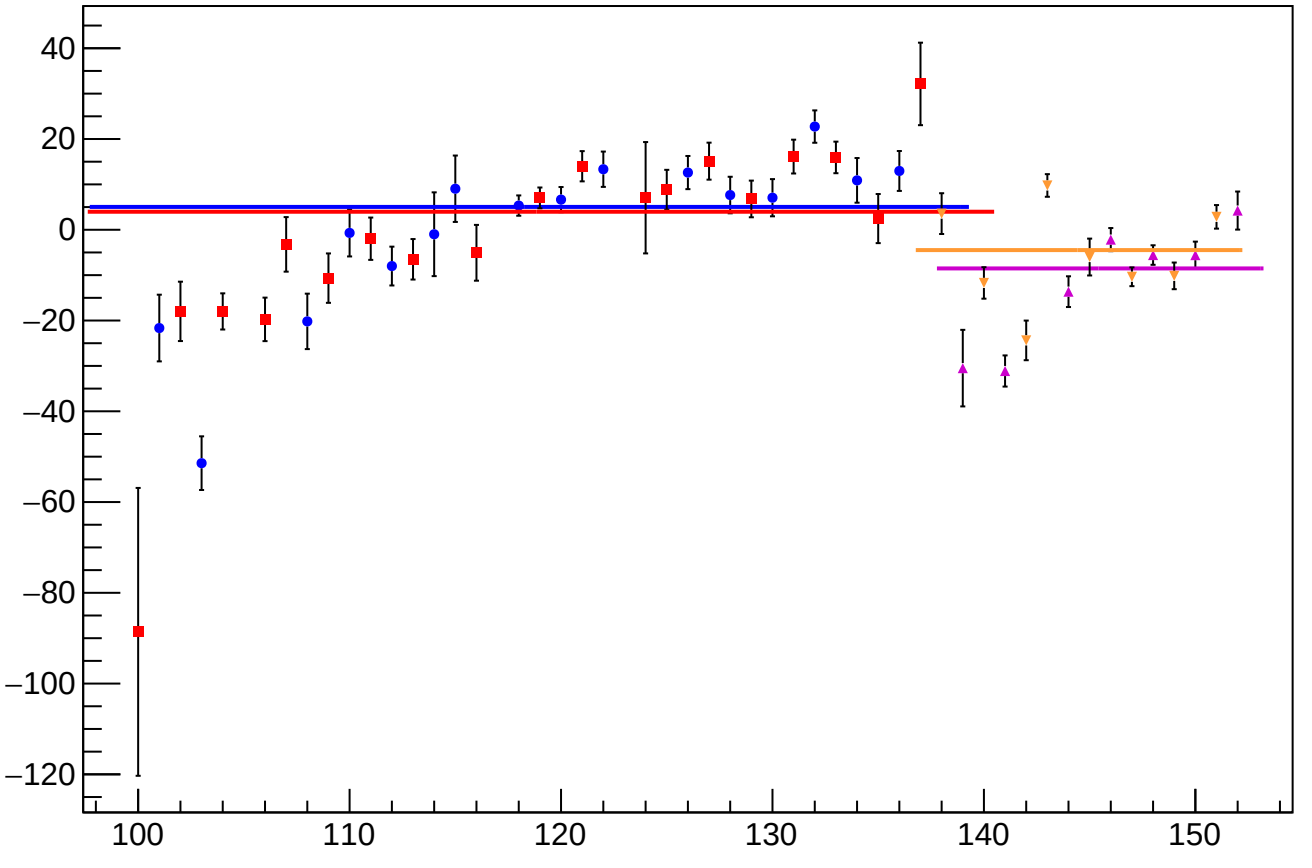
Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 247.890+/-1.793 χ^2/NDF:57.2/6

\+ sign 155.851+/-0.850 χ^2/NDF: 6926.7/23

All: 160.022+/-0.600 χ^2/NDF: 11788.8/49

\- sign 164.160+/-0.846 χ^2/NDF: 4814.1/25



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -4.479+/-1.051 χ^2/NDF:80.9/7

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

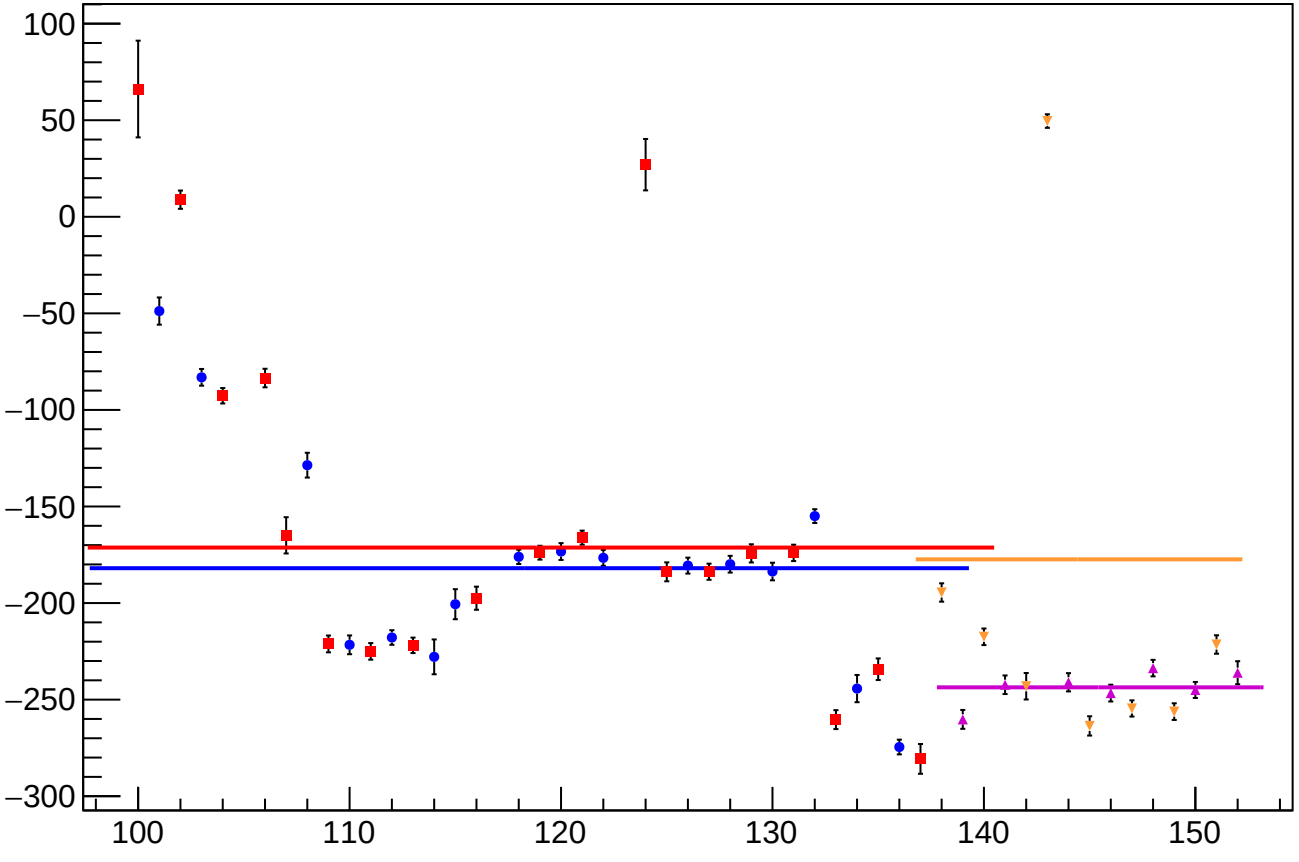
Left In: -8.520+/-1.174 χ^2/NDF:70.7/6

+ sign 0.418+/-0.732 χ^2/NDF: 294.9/23

All: -0.427+/-0.529 χ^2/NDF: 578.3/49

- sign -1.353+/-0.766 χ^2/NDF: 280.6/25

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -177.357+/-1.591 χ^2/NDF:5412.8/7

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

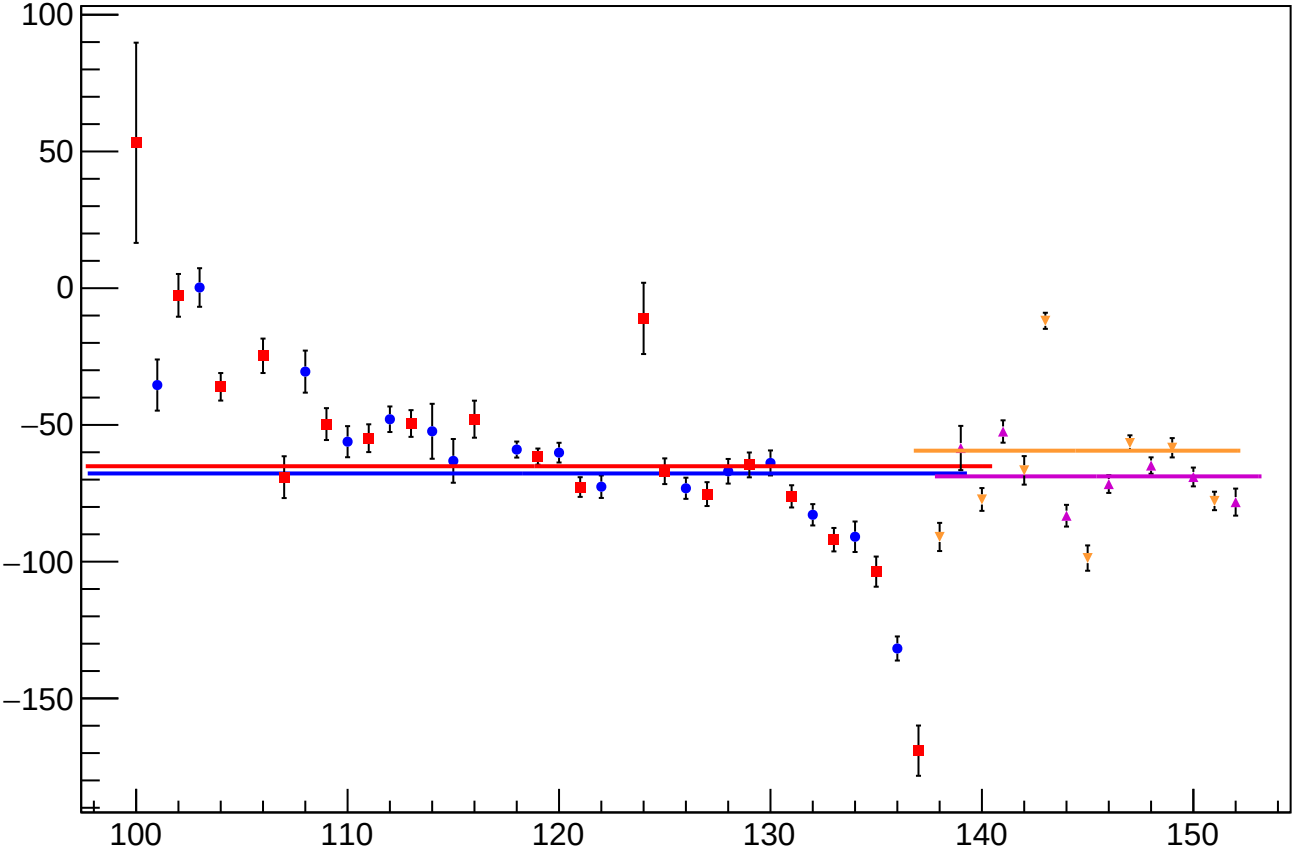
Left In: -243.637+/-1.758 χ^2/NDF:19.5/6

+ sign -180.364+/-0.934 χ^2/NDF: 7288.7/23

All: -186.114+/-0.662 χ^2/NDF: 12224.0/49

- sign -191.926+/-0.939 χ^2/NDF: 4859.1/25

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -59.417+/-1.306 χ^2/NDF:421.4/7

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

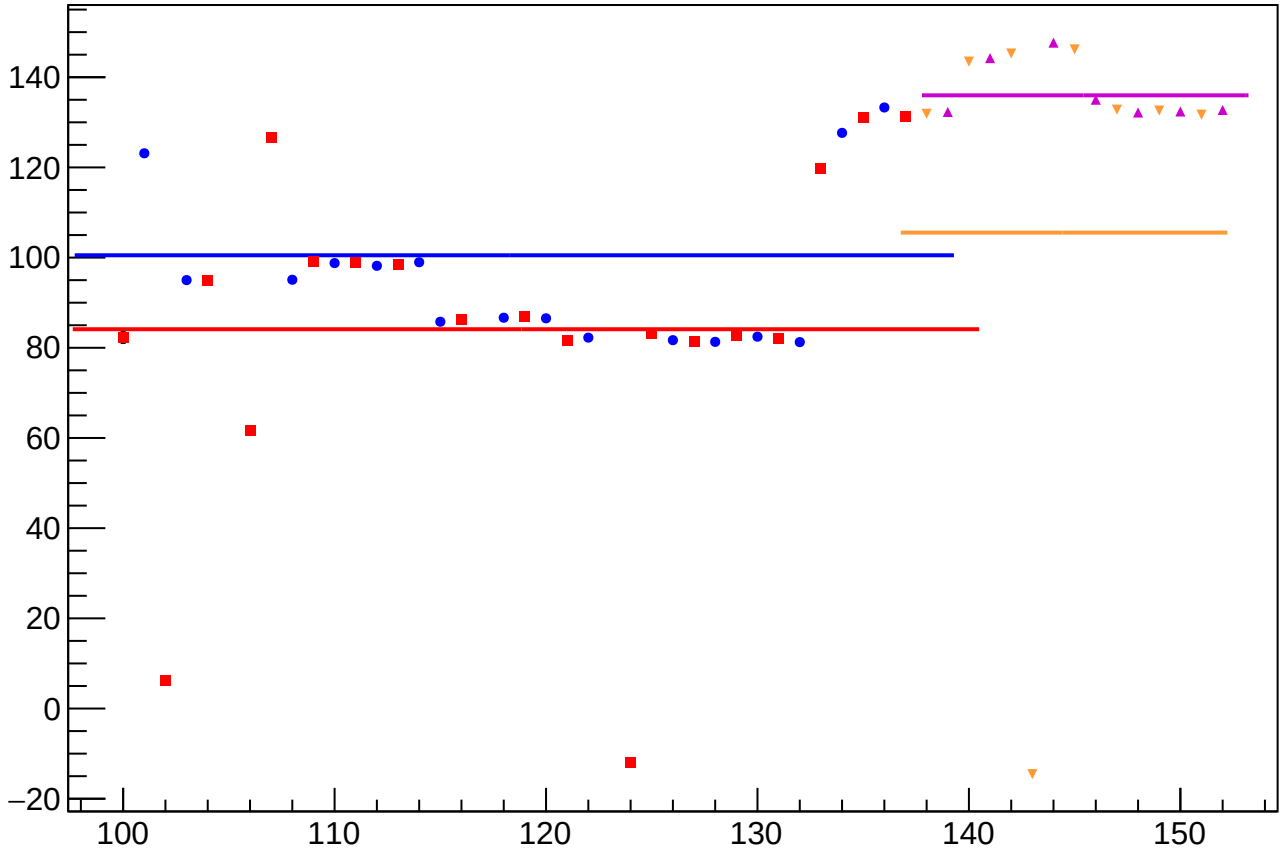
Left In: -68.811+/-1.458 χ^2/NDF:37.0/6

+ sign -63.997+/-0.876 χ^2/NDF: 857.8/23

All: -65.225+/-0.631 χ^2/NDF: 1331.9/49

- sign -66.552+/-0.911 χ^2/NDF: 470.0/25

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 105.547+/-0.066 χ^2/NDF:860023.9/7

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

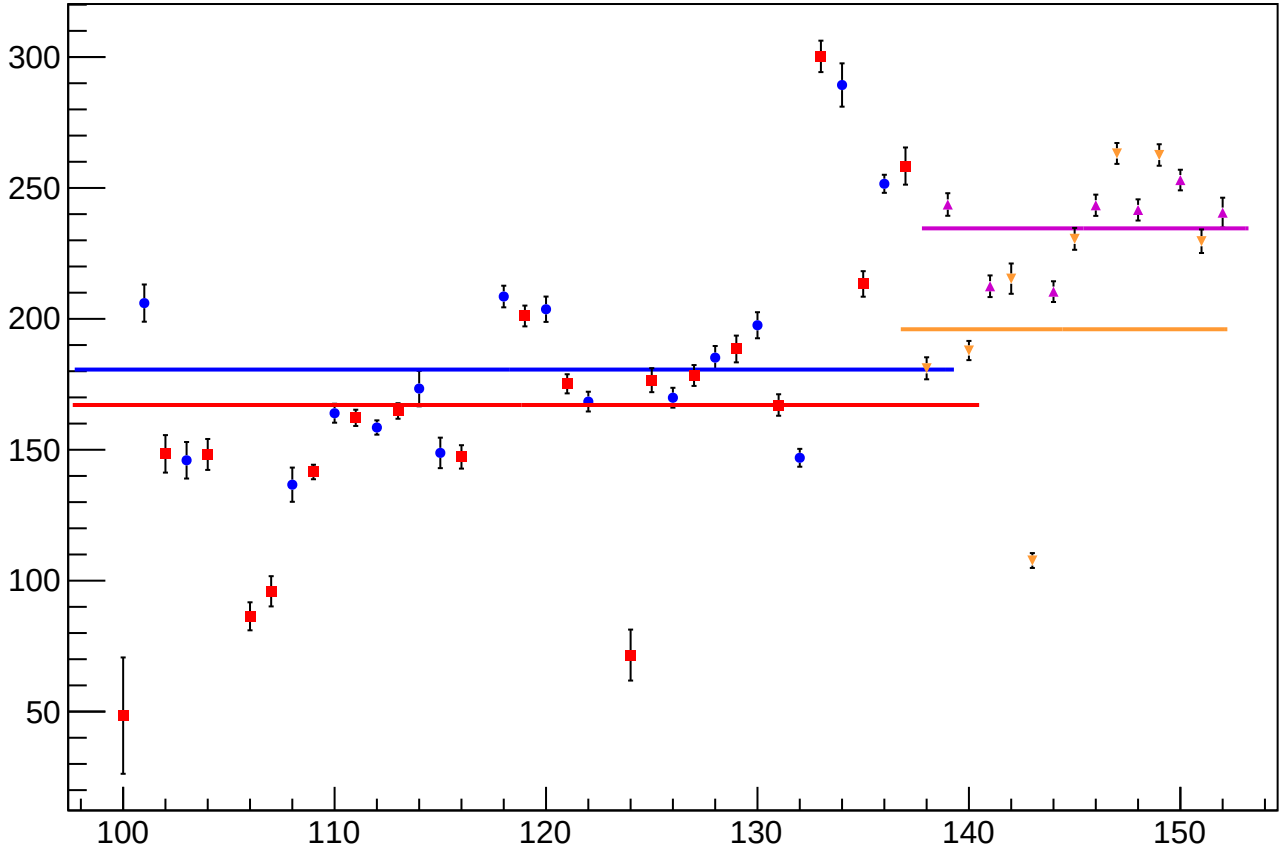
Left In: 135.985+/-0.071 χ^2/NDF:6446.0/6

\+ sign 103.303+/-0.049 χ^2/NDF: 930050.3/23

All: 106.399+/-0.035 χ^2/NDF: 1483075.7/49

\- sign 109.502+/-0.049 χ^2/NDF: 545159.7/25

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: 196.029+/-1.396 χ^2/NDF:1665.3/7

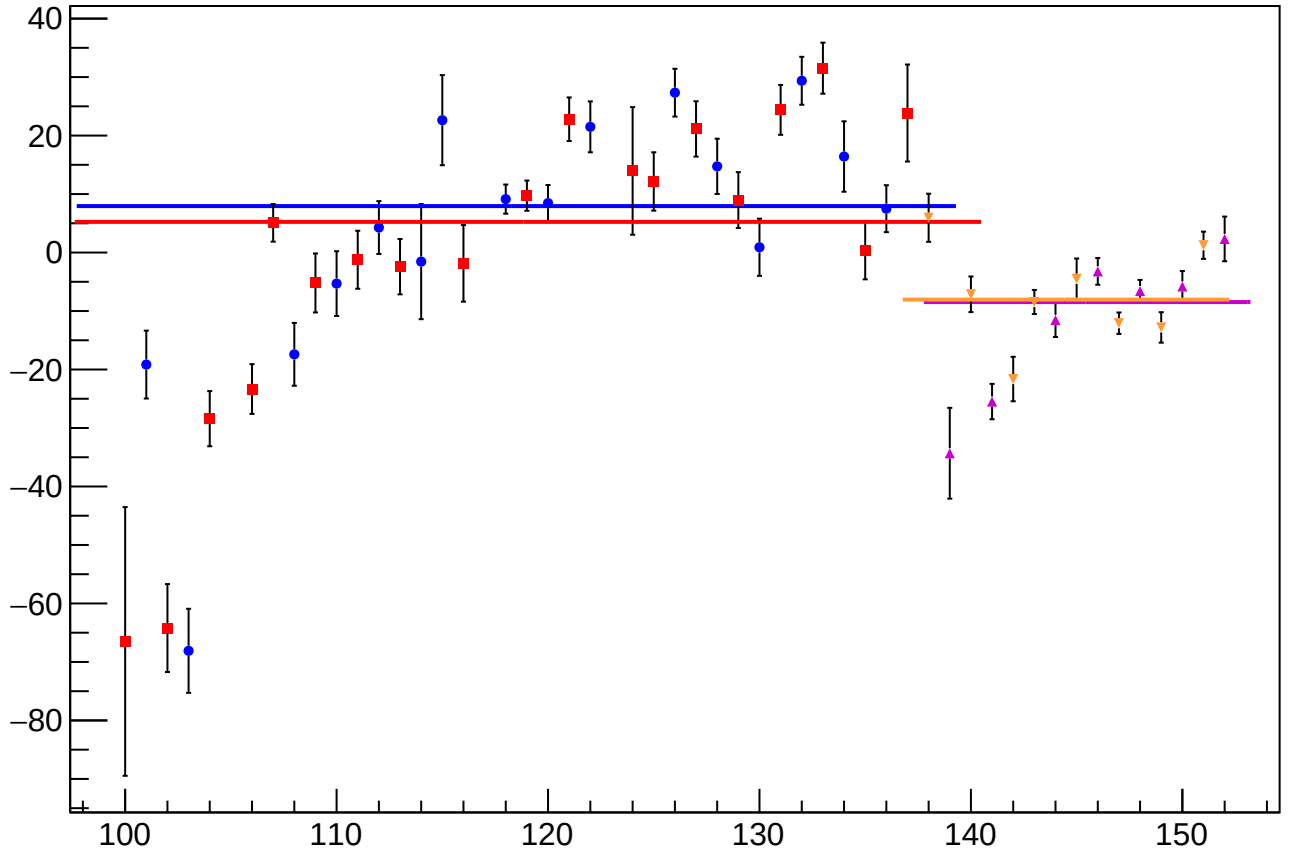
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.566+/-1.595 χ^2/NDF:101.1/6

+ sign 186.465+/-0.859 χ^2/NDF: 2734.3/23

All: 186.587+/-0.608 χ^2/NDF: 5589.5/49

- sign 186.710+/-0.860 χ^2/NDF: 2855.2/25



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.044+/-0.919 χ^2/NDF:49.7/7

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

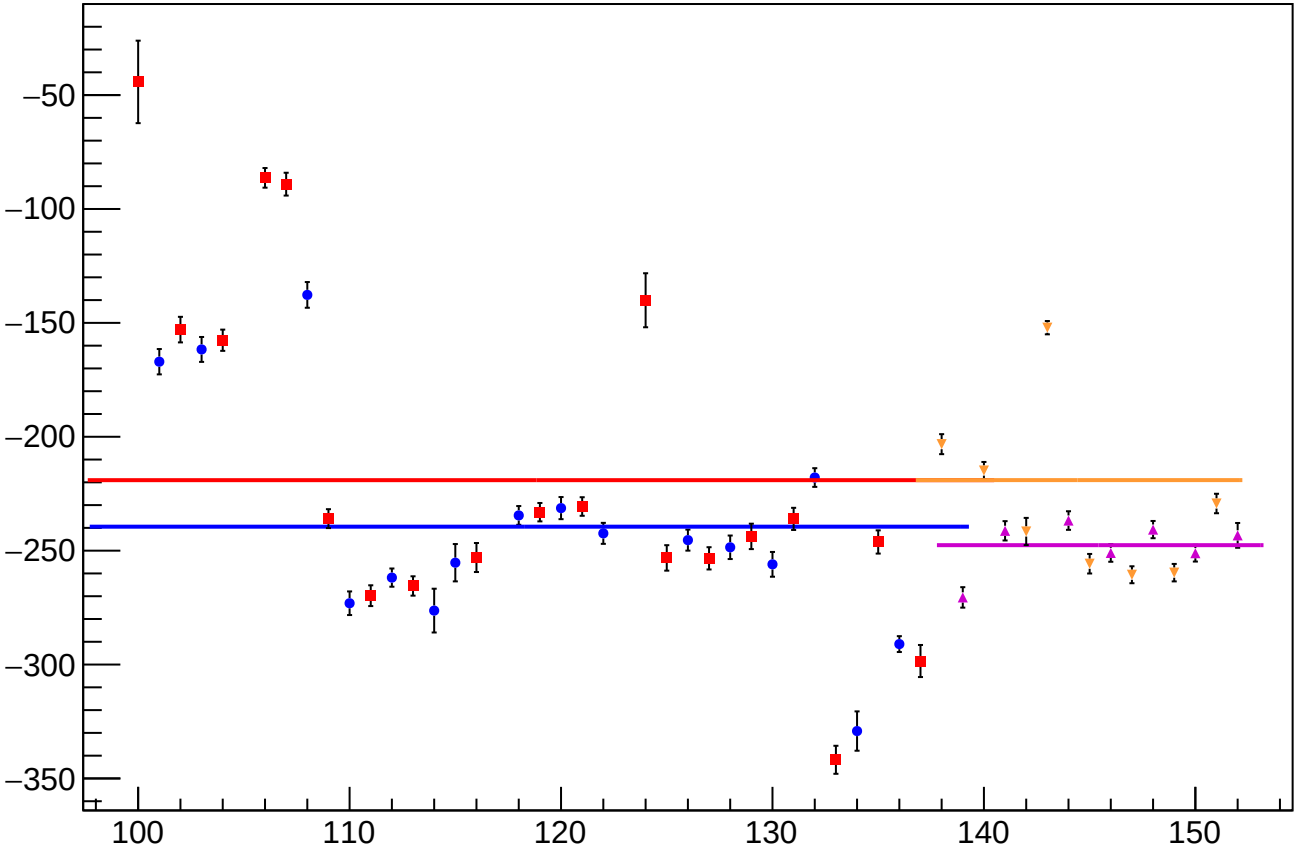
Left In: -8.464+/-1.041 χ^2/NDF:59.2/6

+ sign -1.568+/-0.709 χ^2/NDF: 405.3/23

All: -1.655+/-0.513 χ^2/NDF: 852.4/49

- sign -1.751+/-0.743 χ^2/NDF: 447.1/25

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -219.030+/-1.391 χ^2/NDF:868.6/7

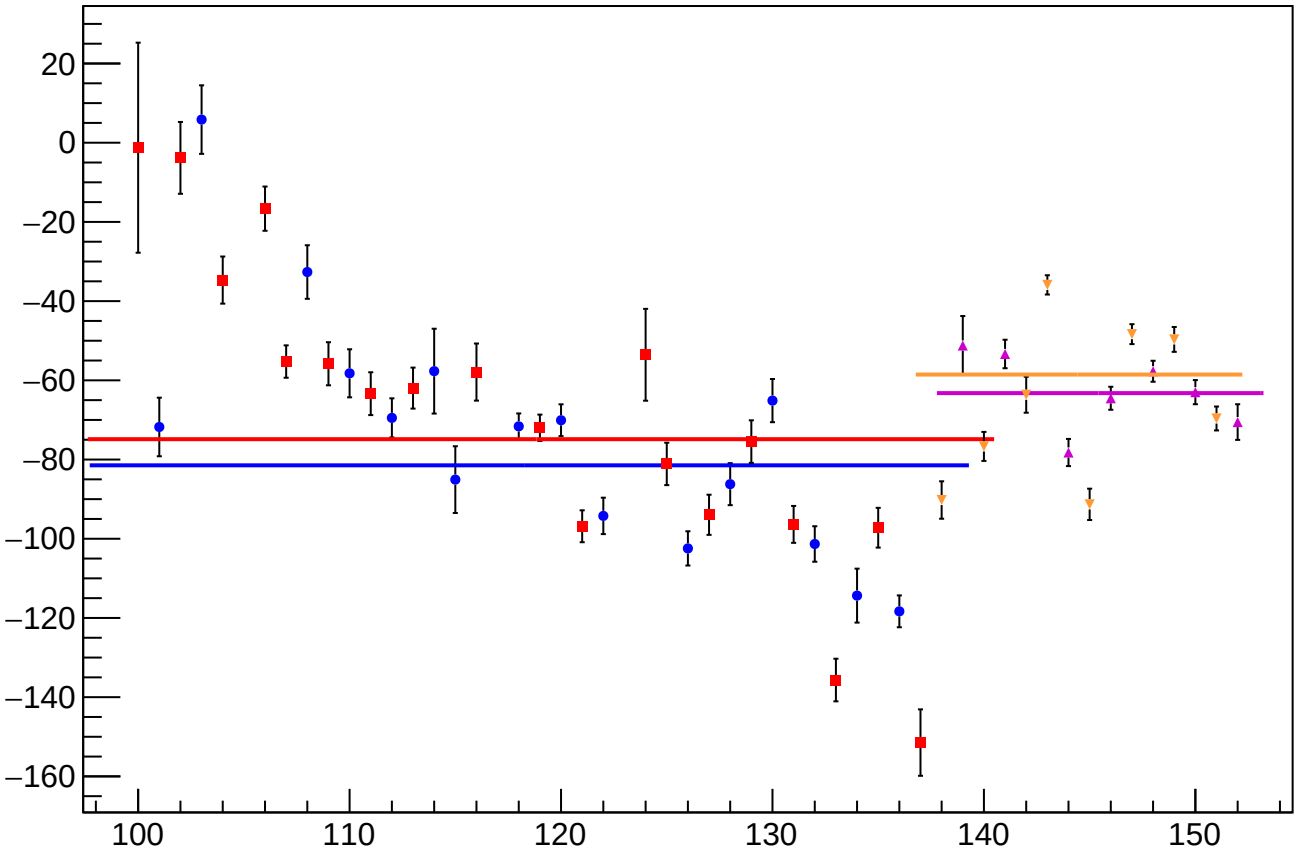
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.587+/-1.563 χ^2/NDF:40.9/6

+ sign -230.375+/-0.928 χ^2/NDF: 2150.7/23

All: -229.878+/-0.660 χ^2/NDF: 5454.1/49

- sign -229.367+/-0.940 χ^2/NDF: 3302.9/25



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -58.541+/-1.140 χ^2/NDF:263.7/7

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

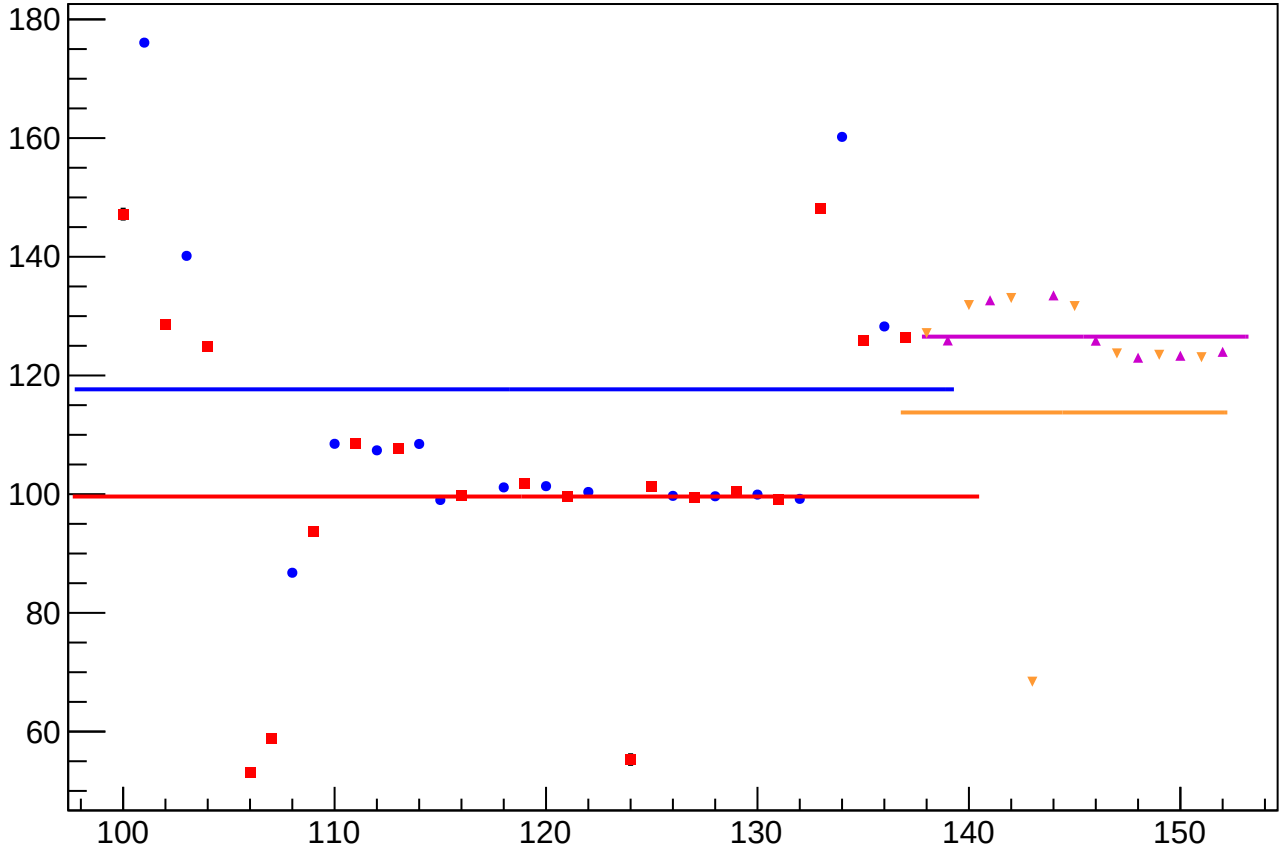
Left In: -63.225+/-1.293 χ^2/NDF:36.5/6

+ sign -68.618+/-0.853 χ^2/NDF: 808.0/23

All: -68.959+/-0.616 χ^2/NDF: 1463.9/49

- sign -69.331+/-0.891 χ^2/NDF: 655.6/25

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: 113.768+/-0.058 χ^2/NDF:183964.2/7

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

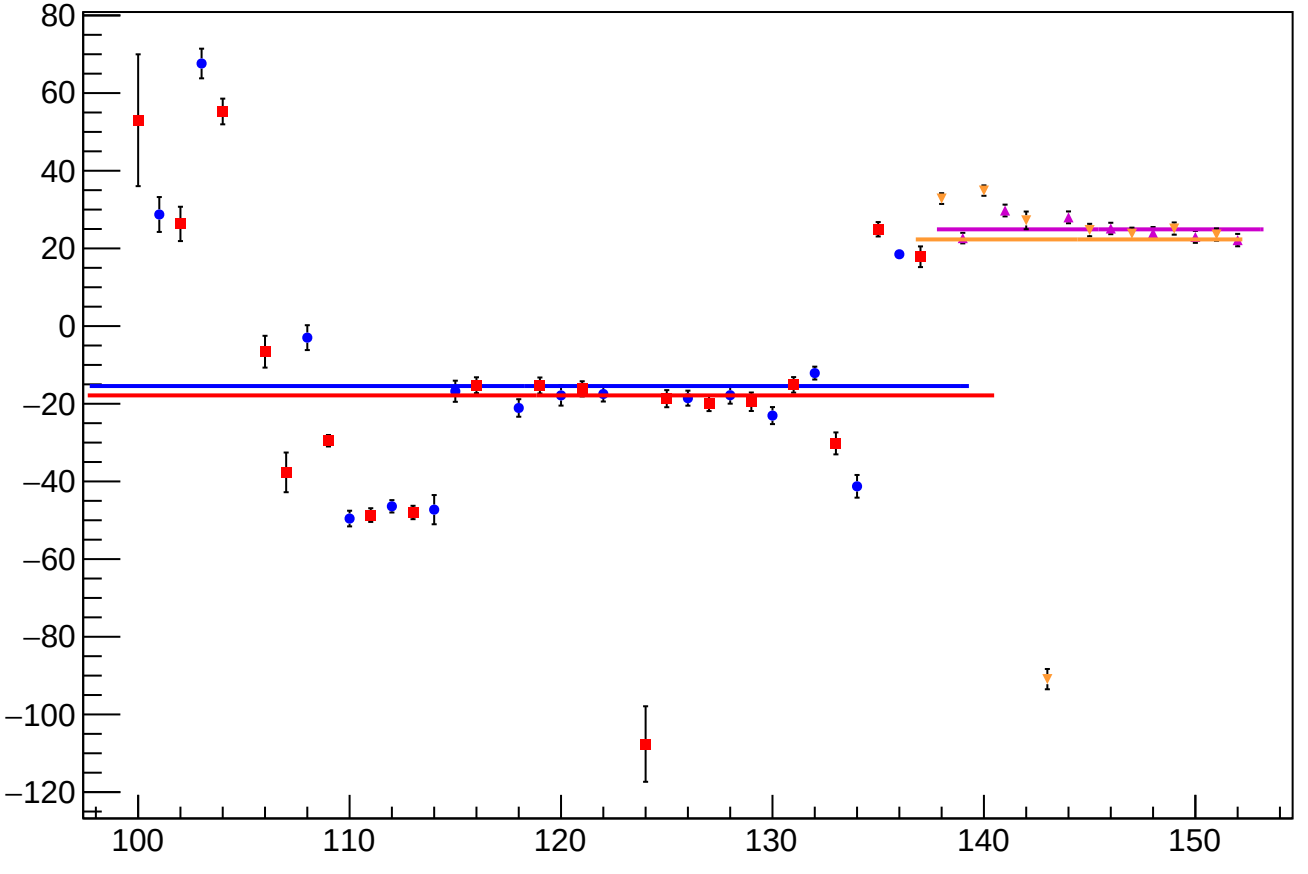
Left In: 126.543+/-0.063 χ^2/NDF:3900.9/6

+ sign 115.154+/-0.047 χ^2/NDF: 280960.1/23

All: 114.847+/-0.033 χ^2/NDF: 532567.8/49

- sign 114.536+/-0.047 χ^2/NDF: 251520.3/25

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: 22.317+/-0.576 χ^2/NDF:2035.6/7

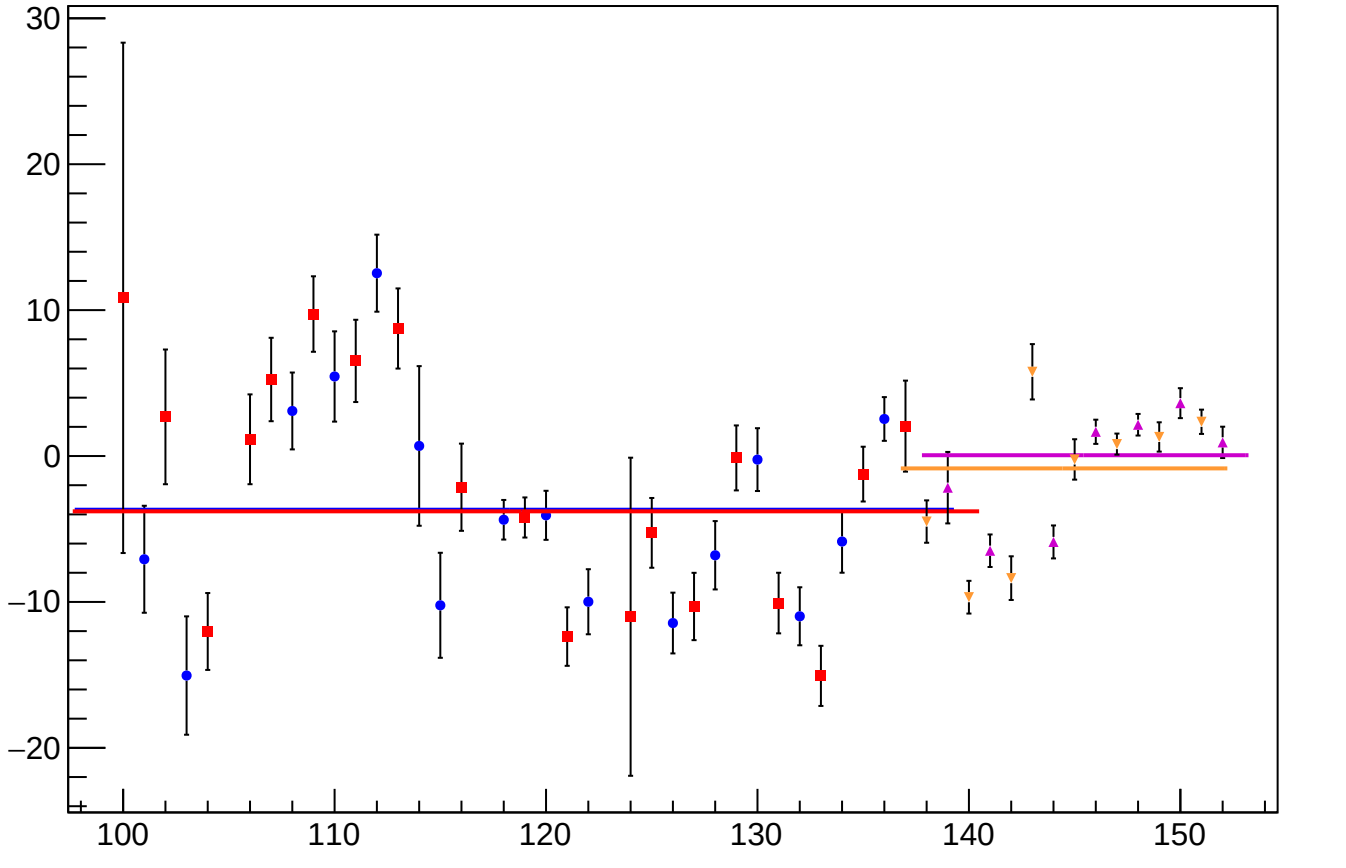
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 24.910+/-0.568 χ^2/NDF:22.1/6

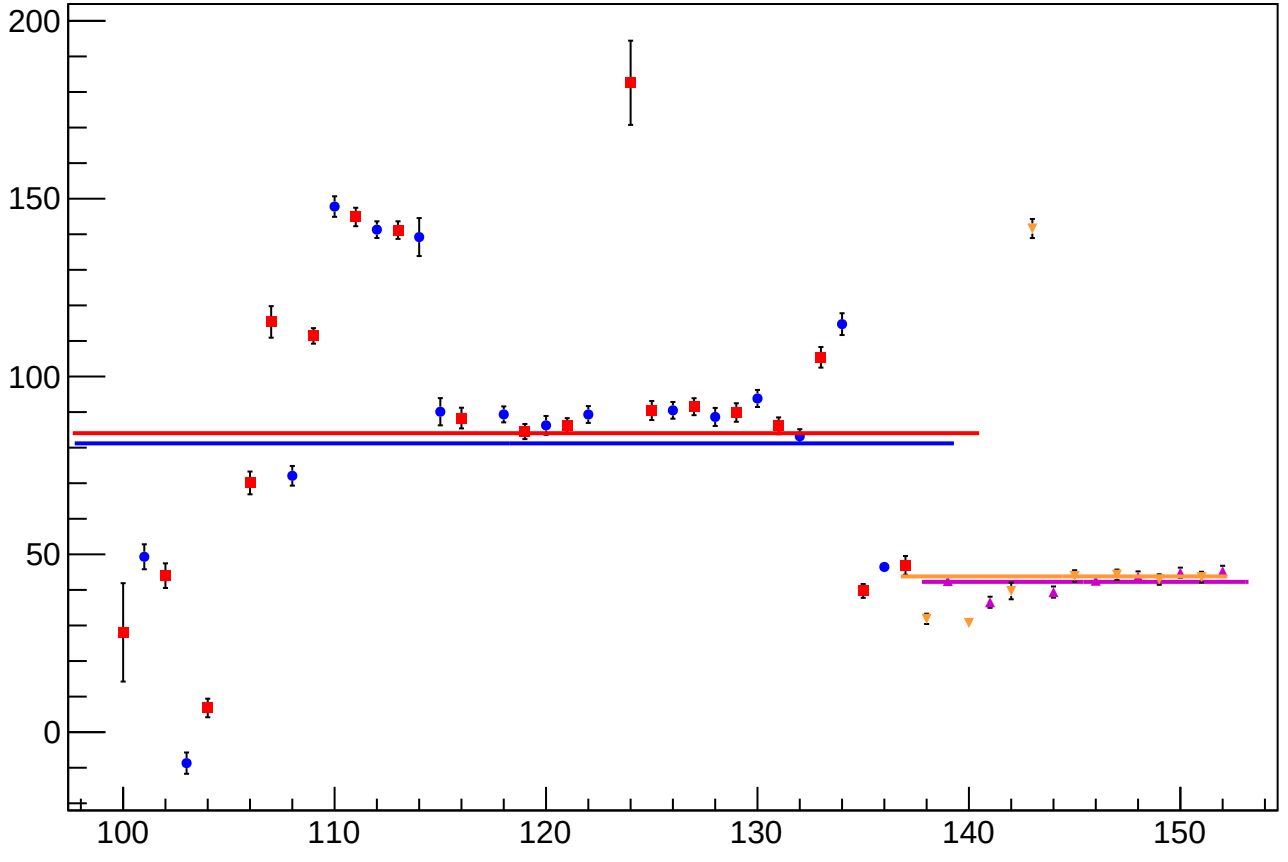
+ sign 2.200+/-0.393 χ^2/NDF: 6451.7/23

All: 2.113+/-0.276 χ^2/NDF: 11628.9/49

- sign 2.028+/-0.387 χ^2/NDF: 5177.1/25


reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -0.848+/-0.382 χ²/NDF:130.6/7
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: 0.055+/-0.382 χ²/NDF:87.5/6
+ sign -1.763+/-0.314 χ²/NDF: 272.3/23
All: -1.462+/-0.223 χ²/NDF: 554.8/49
- sign -1.155+/-0.316 χ²/NDF: 280.6/25

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: 43.792+/-0.571 χ^2/NDF:1487.3/7

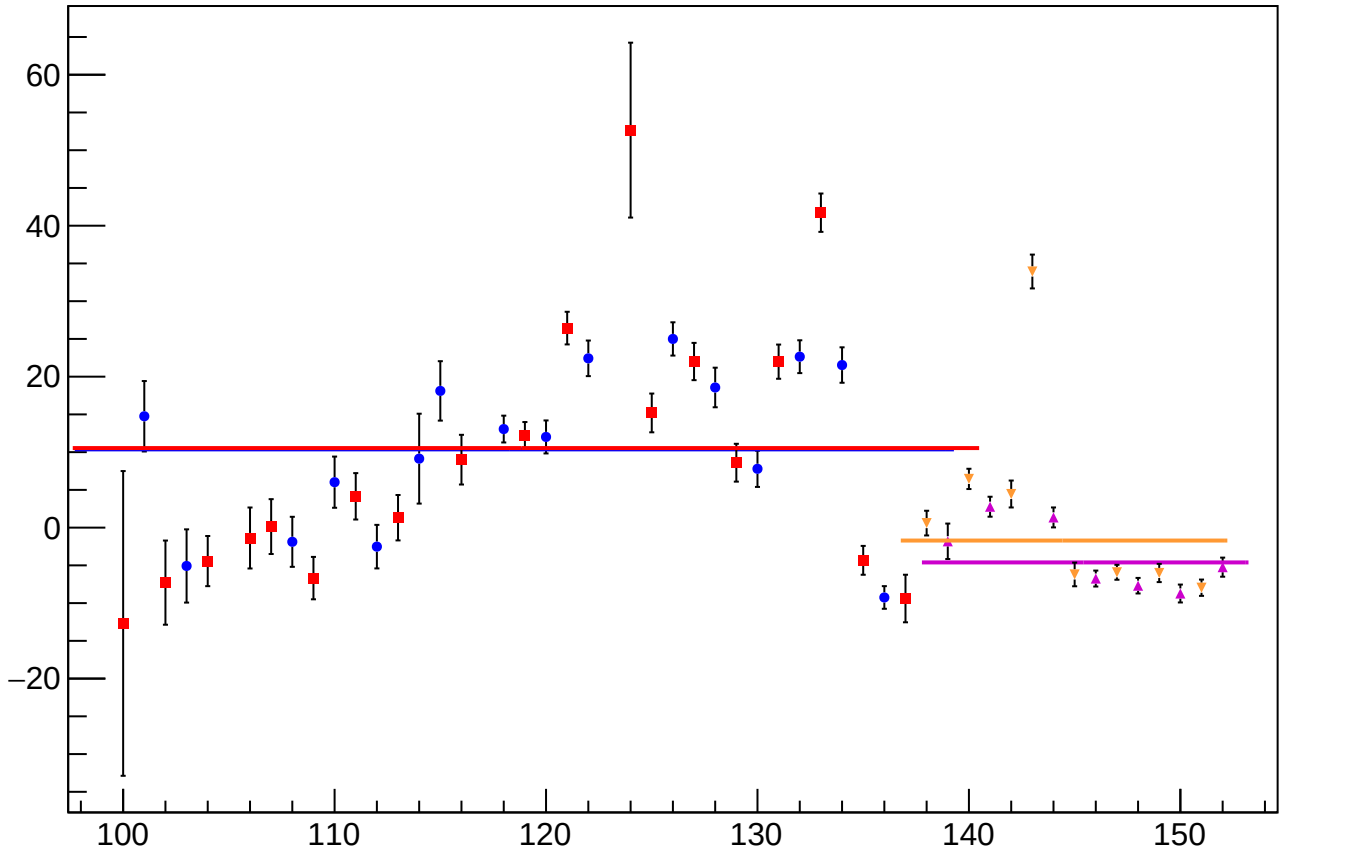
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 42.264+/-0.558 χ^2/NDF:25.1/6

+ sign 61.346+/-0.416 χ^2/NDF: 6733.7/23

All: 61.226+/-0.293 χ^2/NDF: 12492.2/49

- sign 61.108+/-0.414 χ^2/NDF: 5758.3/25



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.711+/-0.476 χ^2/NDF:376.3/7

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

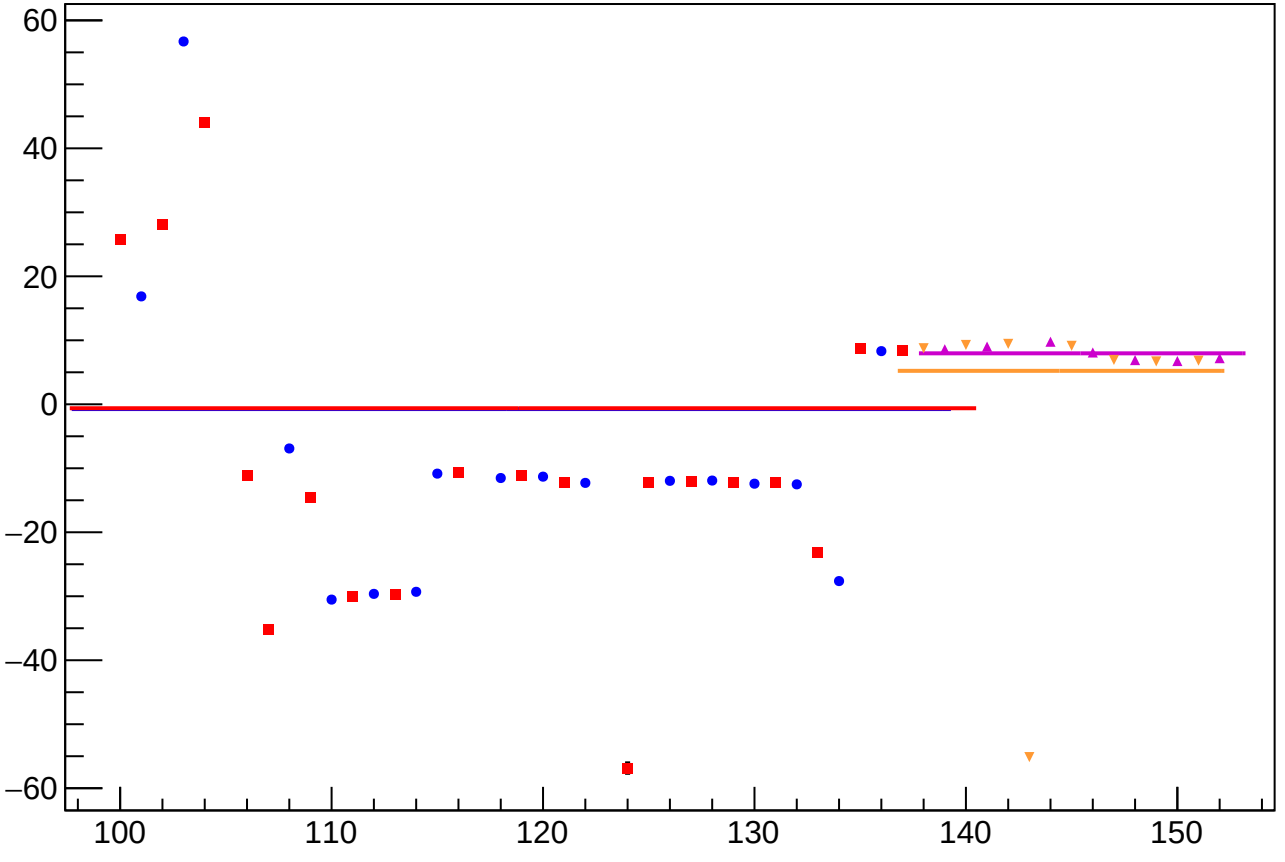
Left In: -4.610+/-0.471 χ^2/NDF:78.3/6

+ sign 2.708+/-0.379 χ^2/NDF: 971.8/23

All: 1.713+/-0.268 χ^2/NDF: 1897.6/49

- sign 0.715+/-0.380 χ^2/NDF: 912.1/25

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: 5.227+/-0.024 χ^2/NDF:307627.6/7

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

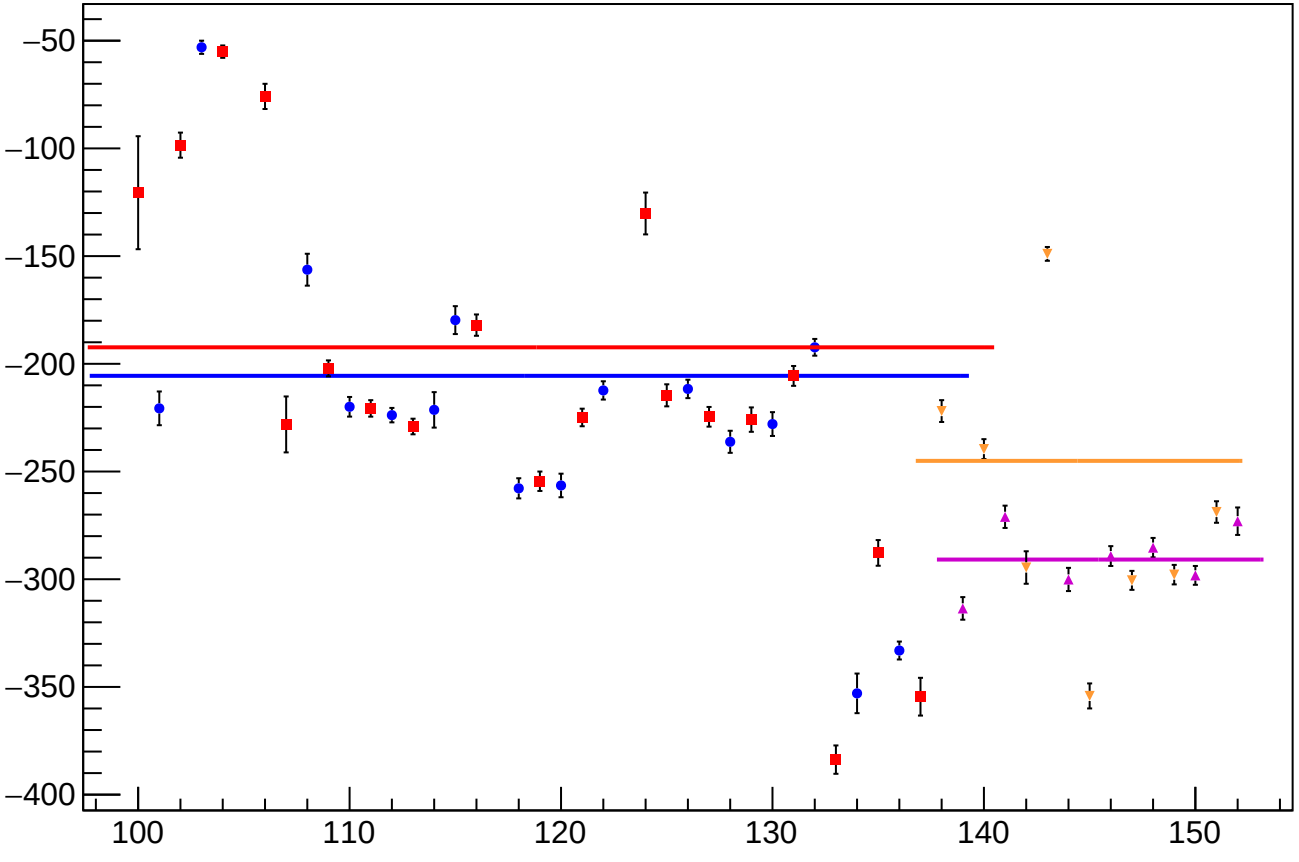
Left In: 7.964+/-0.022 χ^2/NDF:2050.9/6

+ sign 3.426+/-0.020 χ^2/NDF: 694971.1/23

All: 4.615+/-0.014 χ^2/NDF: 1059634.8/49

- sign 5.727+/-0.019 χ^2/NDF: 357618.1/25

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -245.052+/-1.642 χ^2/NDF:1632.9/7

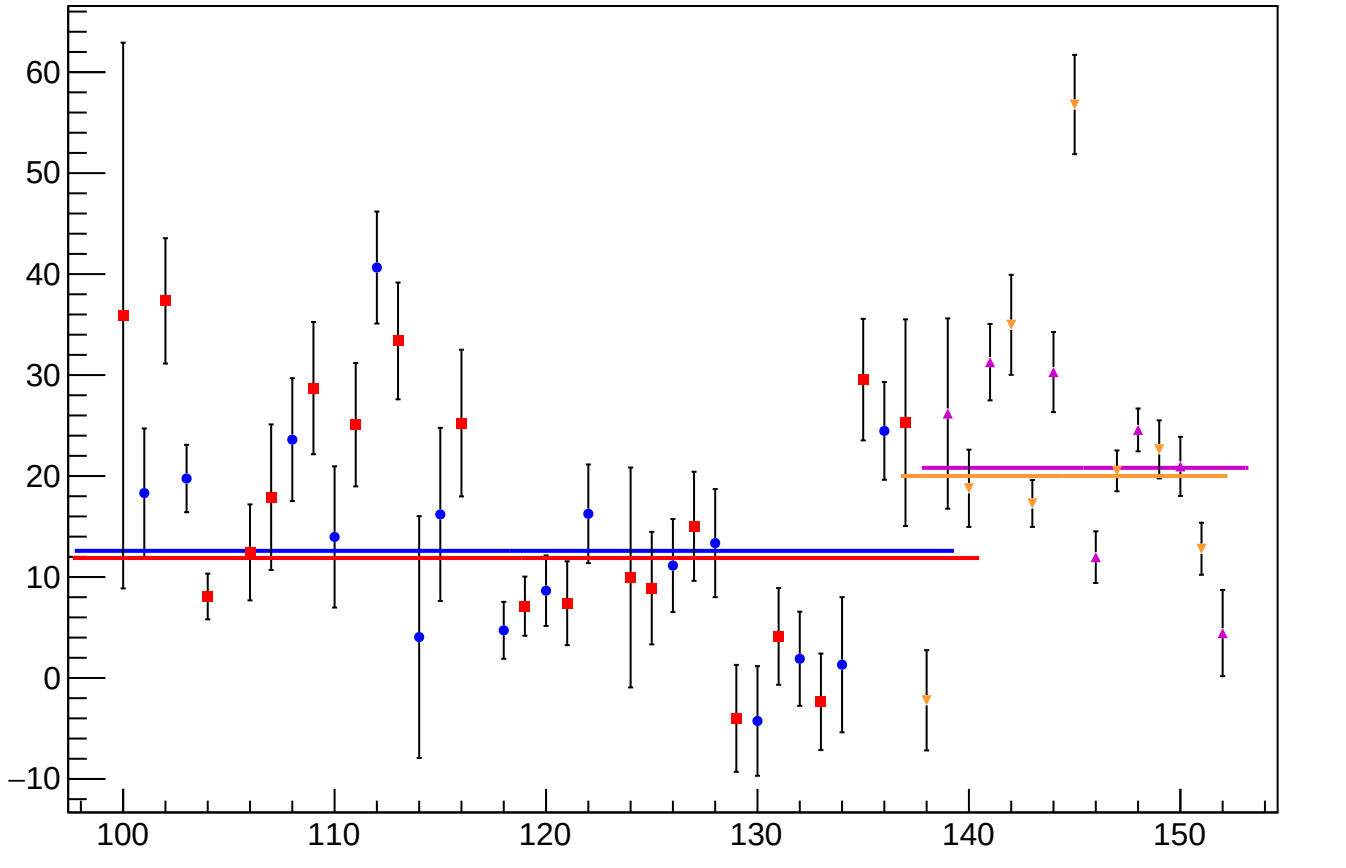
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

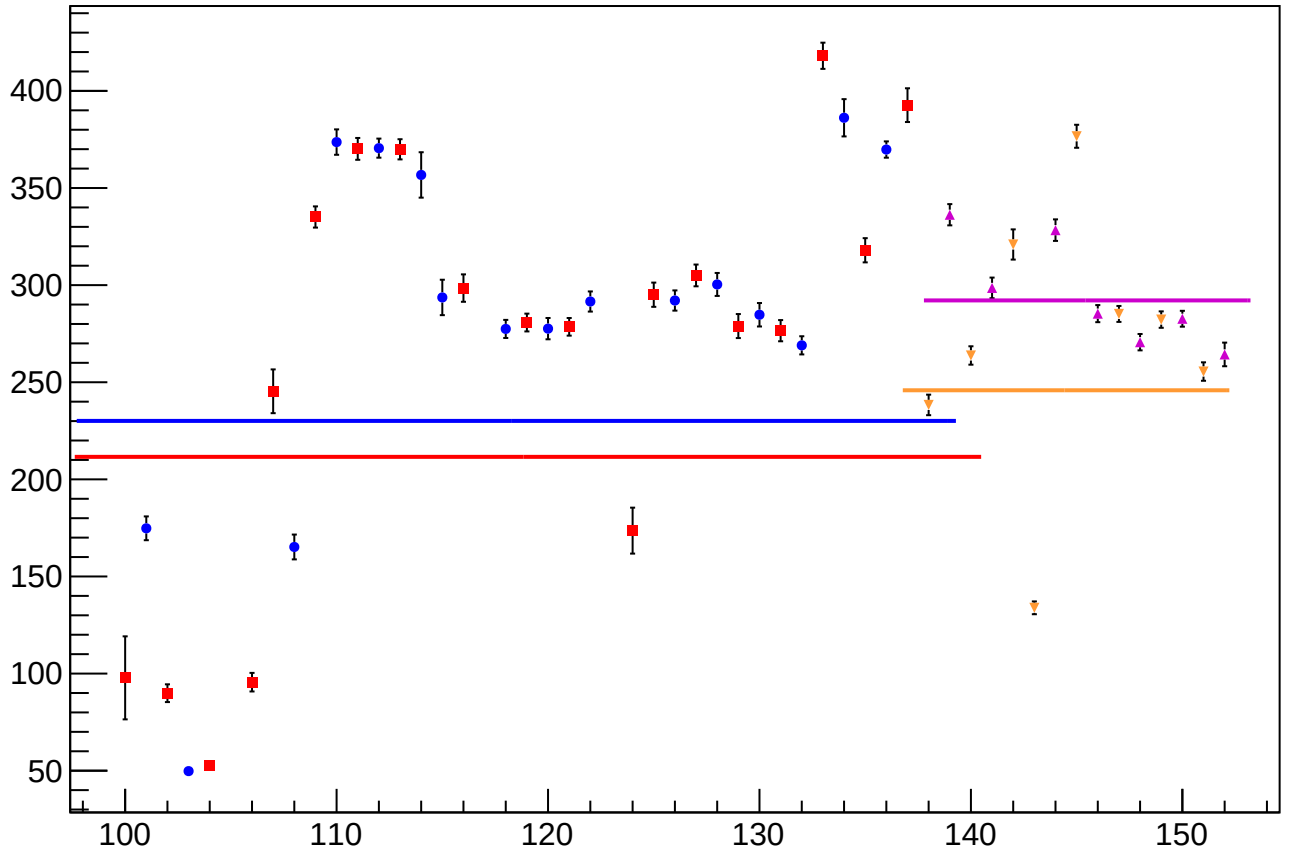
Left In: -290.868+/-1.885 χ^2/NDF:48.6/6

+ sign -219.092+/-0.961 χ^2/NDF: 6069.0/23

All: -218.620+/-0.681 χ^2/NDF: 13105.2/49

- sign -218.144+/-0.964 χ^2/NDF: 7035.7/25


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
Right In: 12.592+/-1.203 χ²/NDF: 68.5/15
Left Out: 20.005+/-1.059 χ²/NDF:95.3/7
Right Out: 11.880+/-1.122 χ²/NDF: 84.9/18
Left In: 20.813+/-1.203 χ²/NDF:43.5/6
+ sign 16.769+/-0.795 χ²/NDF: 185.2/23
All: 16.413+/-0.571 χ²/NDF: 343.6/49
- sign 16.035+/-0.820 χ²/NDF: 157.9/25



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 245.864+/-1.629 χ^2/NDF:1919.7/7

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

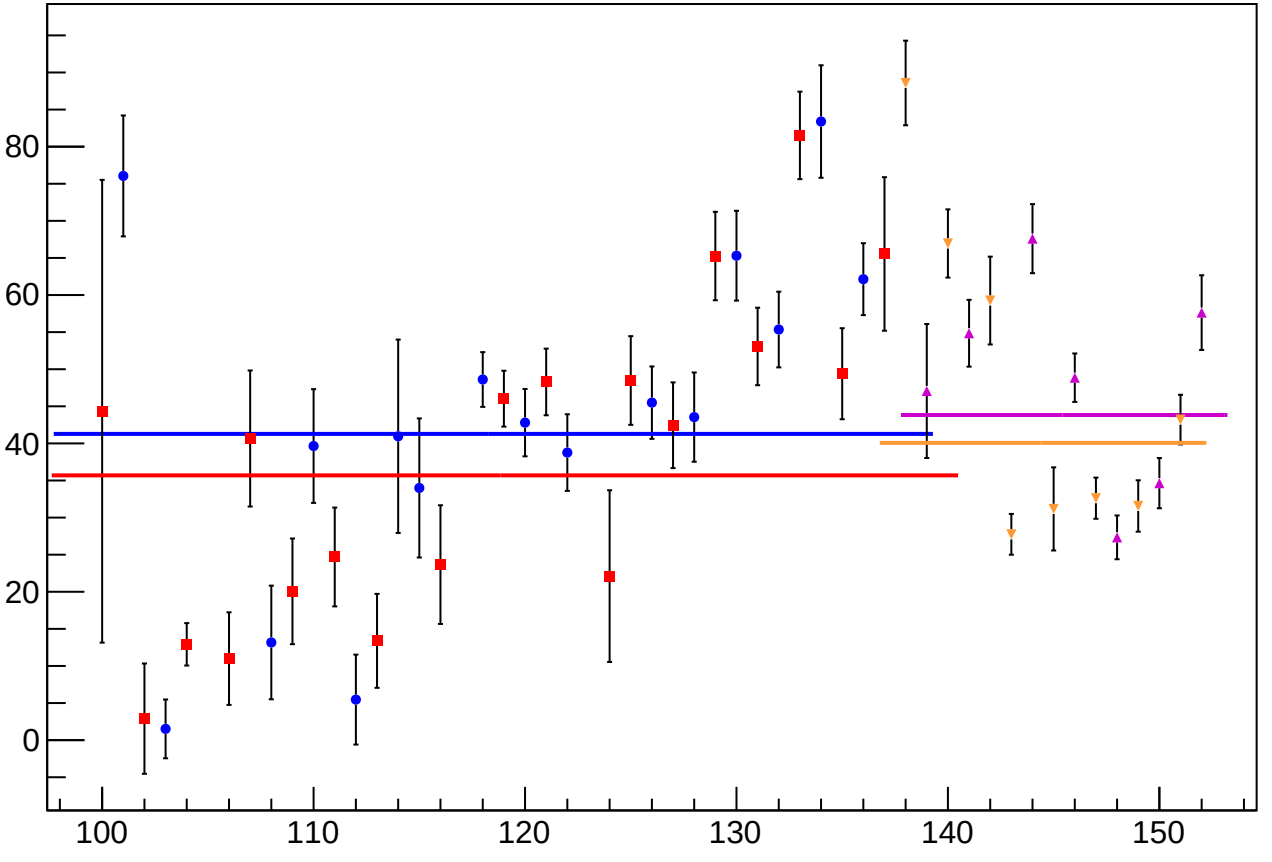
Left In: 292.132+/-1.837 χ^2/NDF:163.8/6

+ sign 235.996+/-0.996 χ^2/NDF: 11354.0/23

All: 235.772+/-0.706 χ^2/NDF: 24340.7/49

- sign 235.546+/-1.002 χ^2/NDF: 12986.6/25

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 40.071+/-1.321 χ^2/NDF:153.8/7

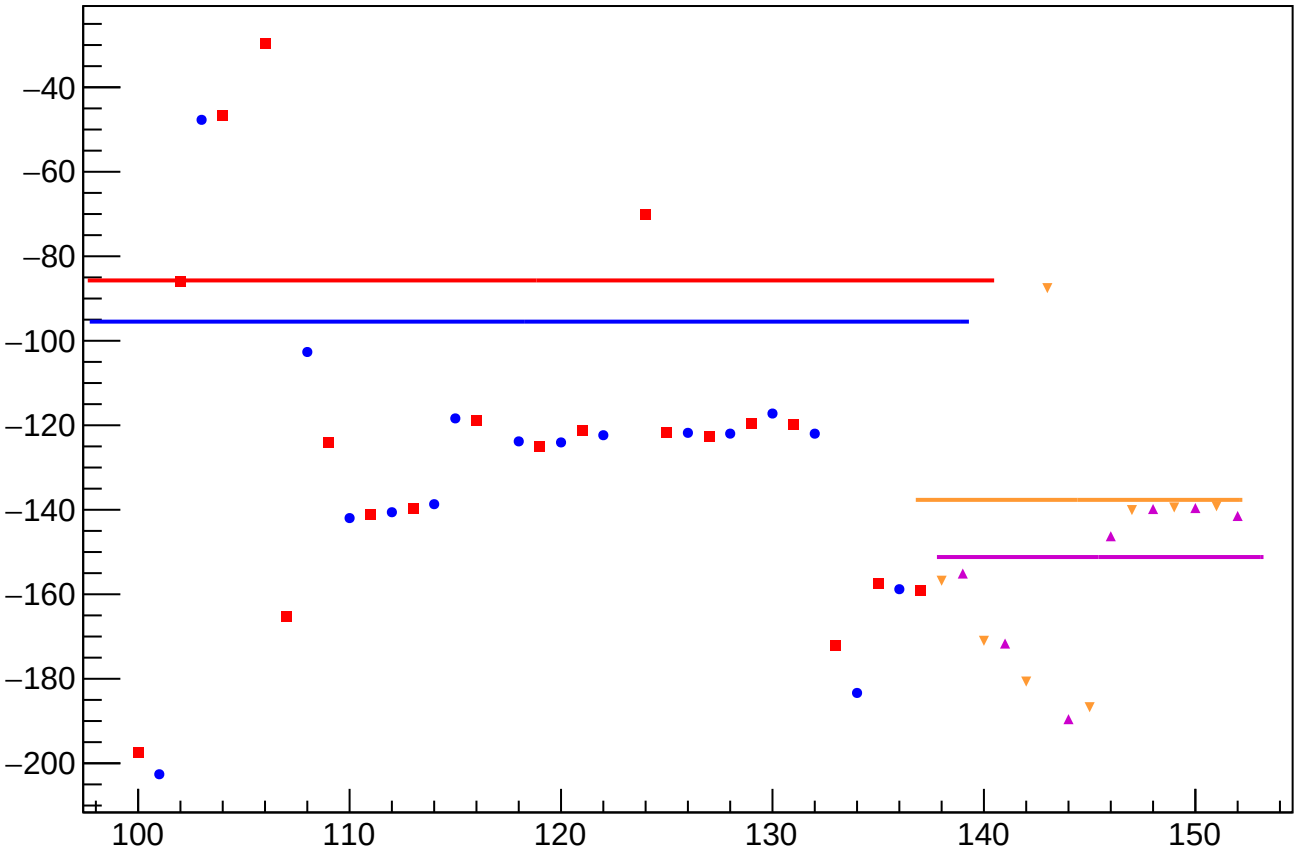
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 43.830+/-1.502 χ^2/NDF:80.7/6

+ sign 40.642+/-0.960 χ^2/NDF: 399.9/23

All: 39.957+/-0.689 χ^2/NDF: 751.5/49

- sign 39.228+/-0.990 χ^2/NDF: 350.5/25



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.652+/-0.068 χ^2/NDF:228280.4/7

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

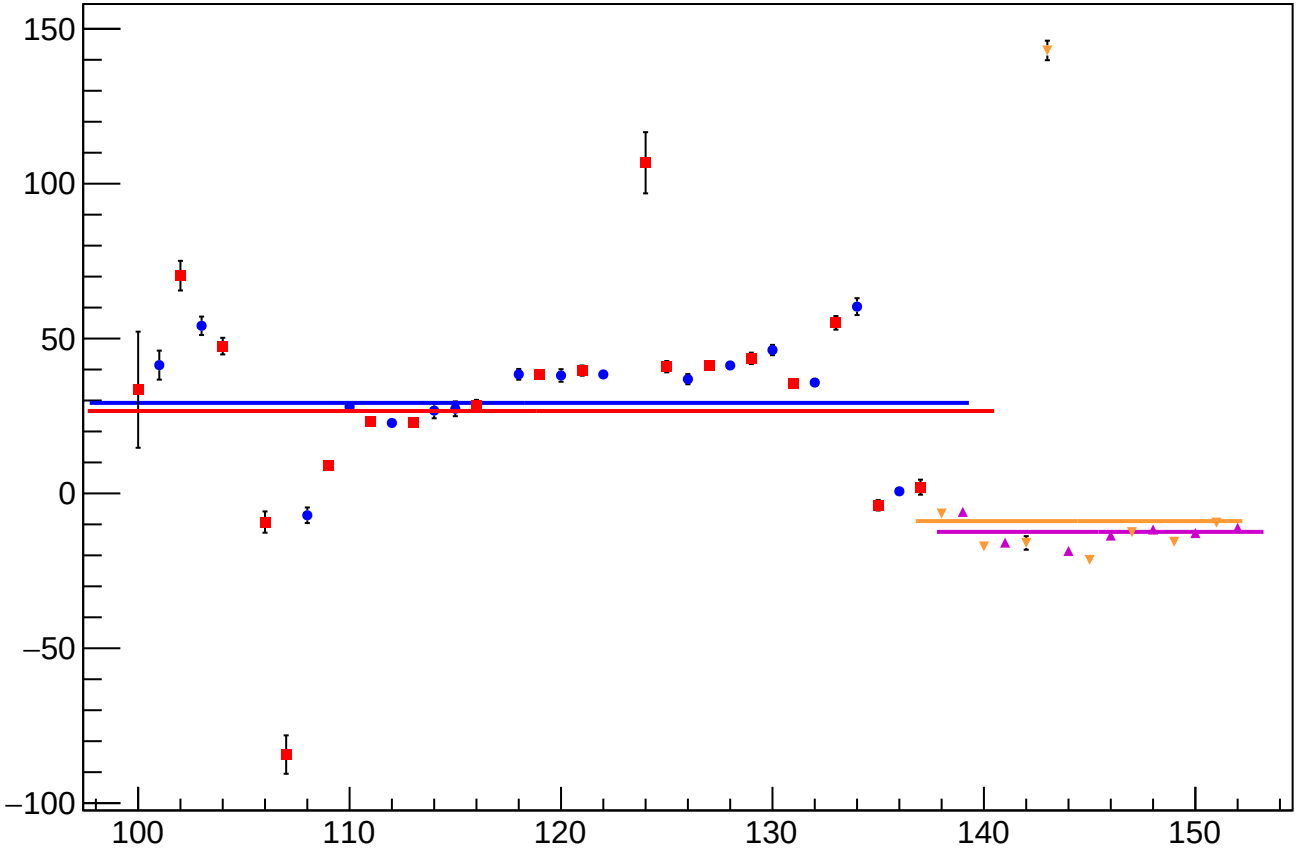
Left In: -151.184+/-0.074 χ^2/NDF:45025.4/6

+ sign -116.957+/-0.049 χ^2/NDF: 936161.7/23

All: -116.116+/-0.035 χ^2/NDF: 1895652.9/49

- sign -115.242+/-0.050 χ^2/NDF: 958882.1/25

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: -8.939+/-0.541 χ^2/NDF:2467.0/7

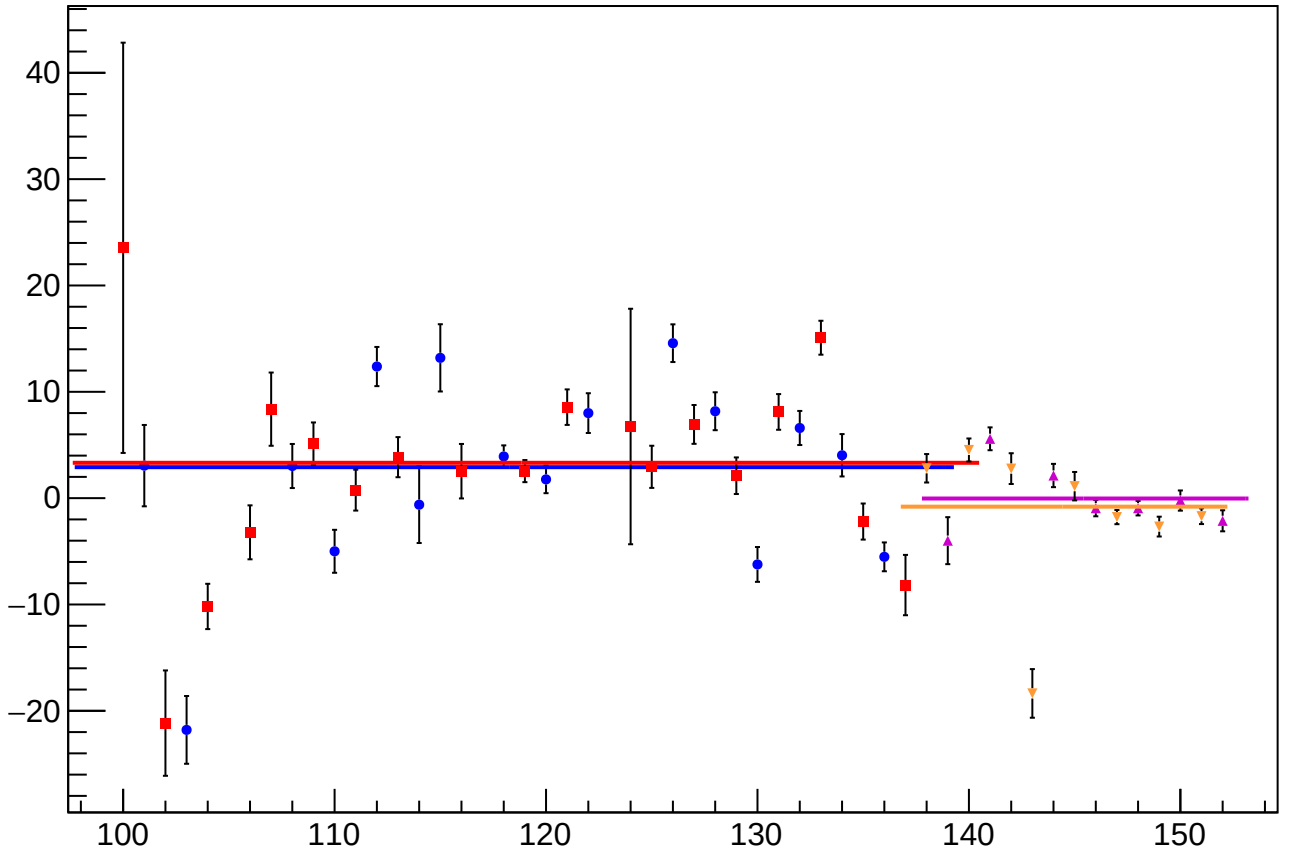
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.418+/-0.528 χ^2/NDF:52.7/6

+ sign 14.708+/-0.334 χ^2/NDF: 6888.8/23

All: 13.197+/-0.233 χ^2/NDF: 12282.2/49

- sign 11.758+/-0.326 χ^2/NDF: 5353.5/25



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.799+/-0.356 χ^2/NDF:106.5/7

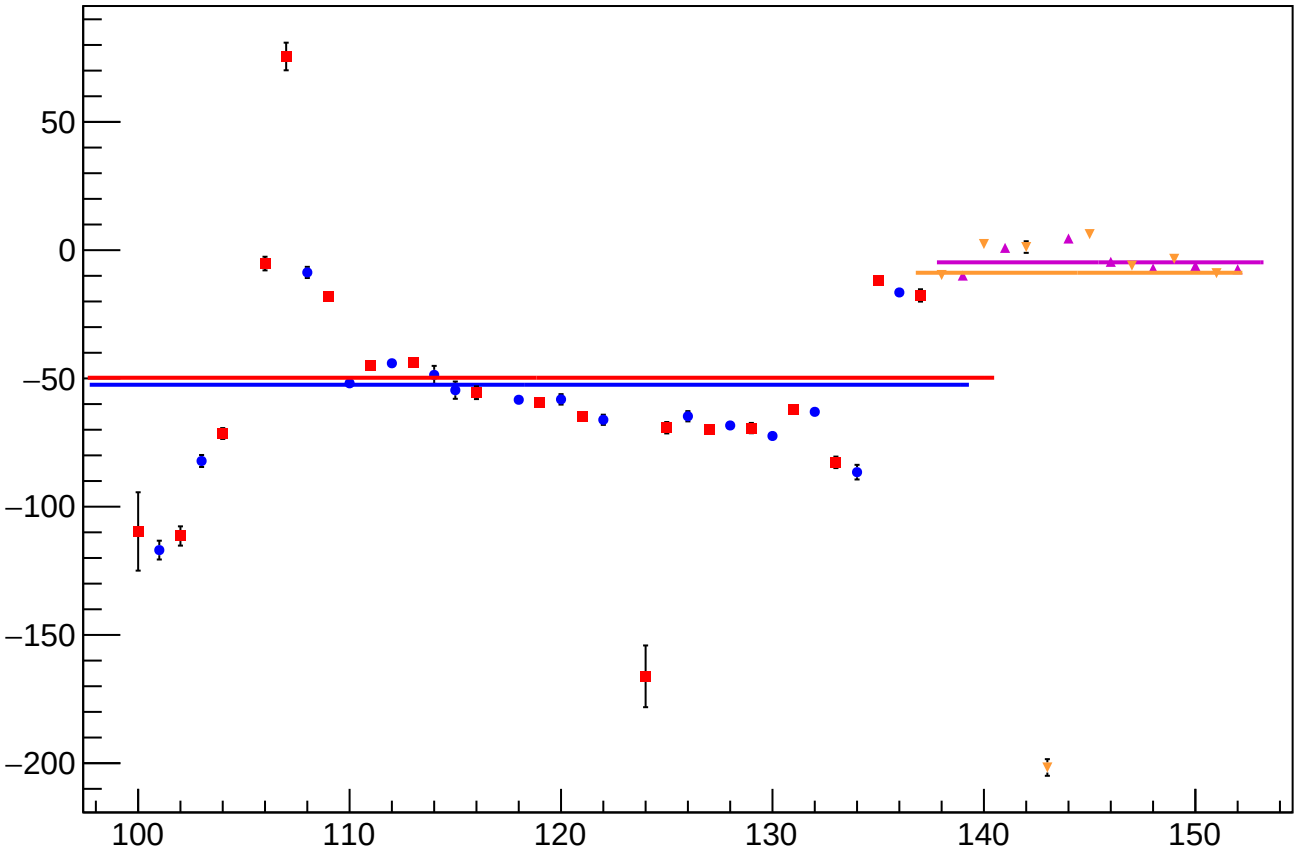
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: -0.035+/-0.356 χ^2/NDF:42.2/6

+ sign 0.662+/-0.278 χ^2/NDF: 399.1/23

All: 0.951+/-0.197 χ^2/NDF: 659.3/49

- sign 1.246+/-0.280 χ^2/NDF: 257.9/25



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.804+/-0.536 χ^2/NDF:3736.6/7

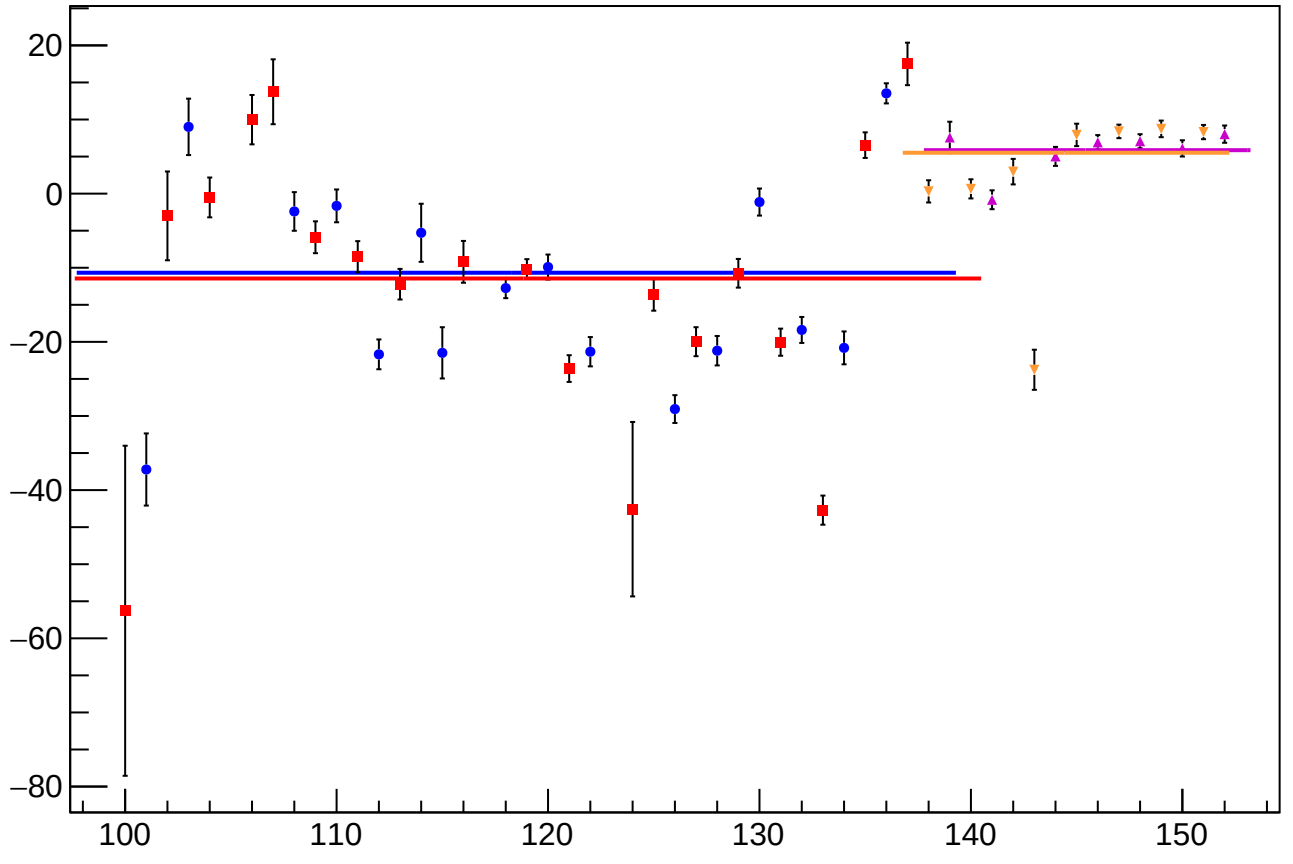
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.741+/-0.519 χ^2/NDF:75.6/6

+ sign -32.681+/-0.361 χ^2/NDF: 9697.7/23

All: -30.491+/-0.254 χ^2/NDF: 16800.5/49

- sign -28.337+/-0.358 χ^2/NDF: 7029.7/25



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.516+/-0.446 χ^2/NDF:174.8/7

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

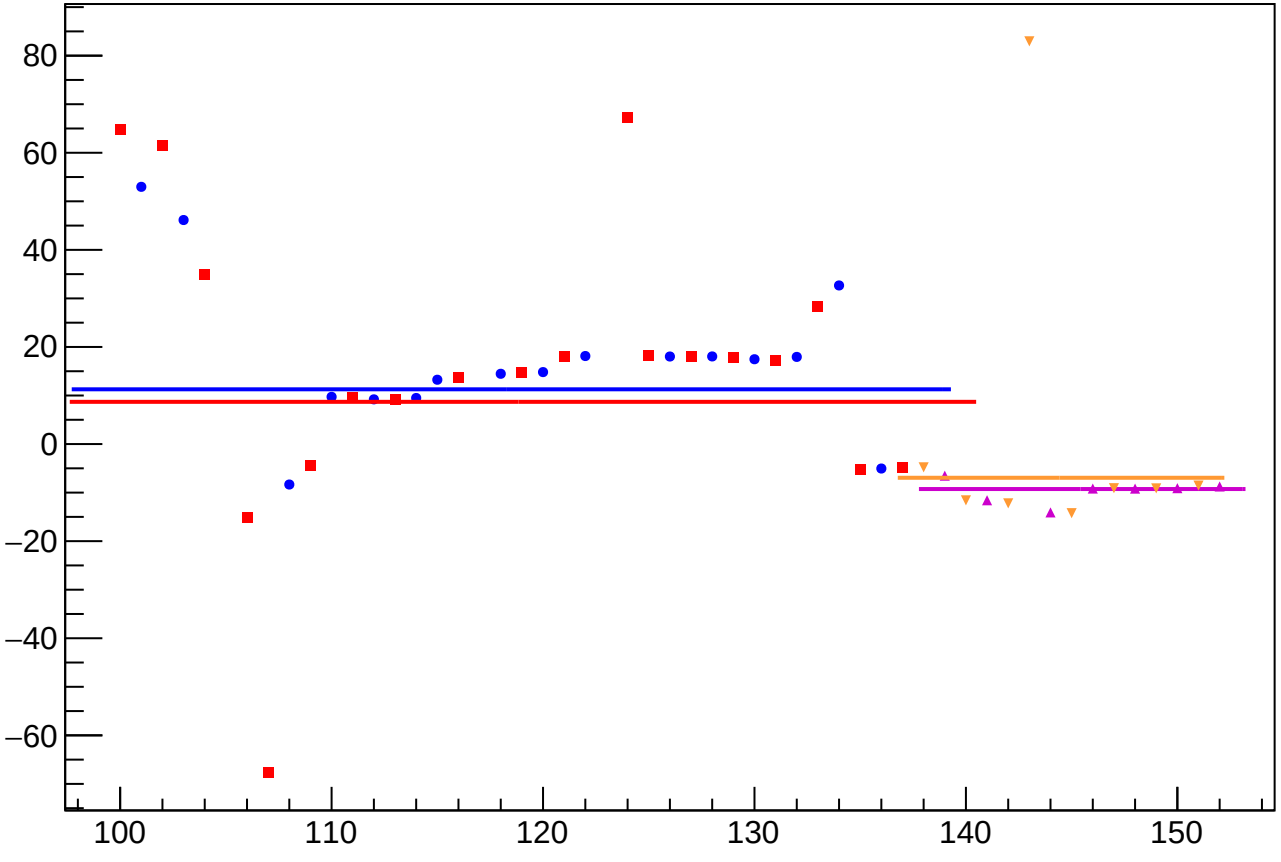
Left In: 5.863+/-0.439 χ^2/NDF:35.0/6

+ sign -1.567+/-0.334 χ^2/NDF: 1418.4/23

All: -1.488+/-0.236 χ^2/NDF: 2772.1/49

- sign -1.409+/-0.334 χ^2/NDF: 1353.5/25

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.944+/-0.022 χ^2/NDF:471460.1/7

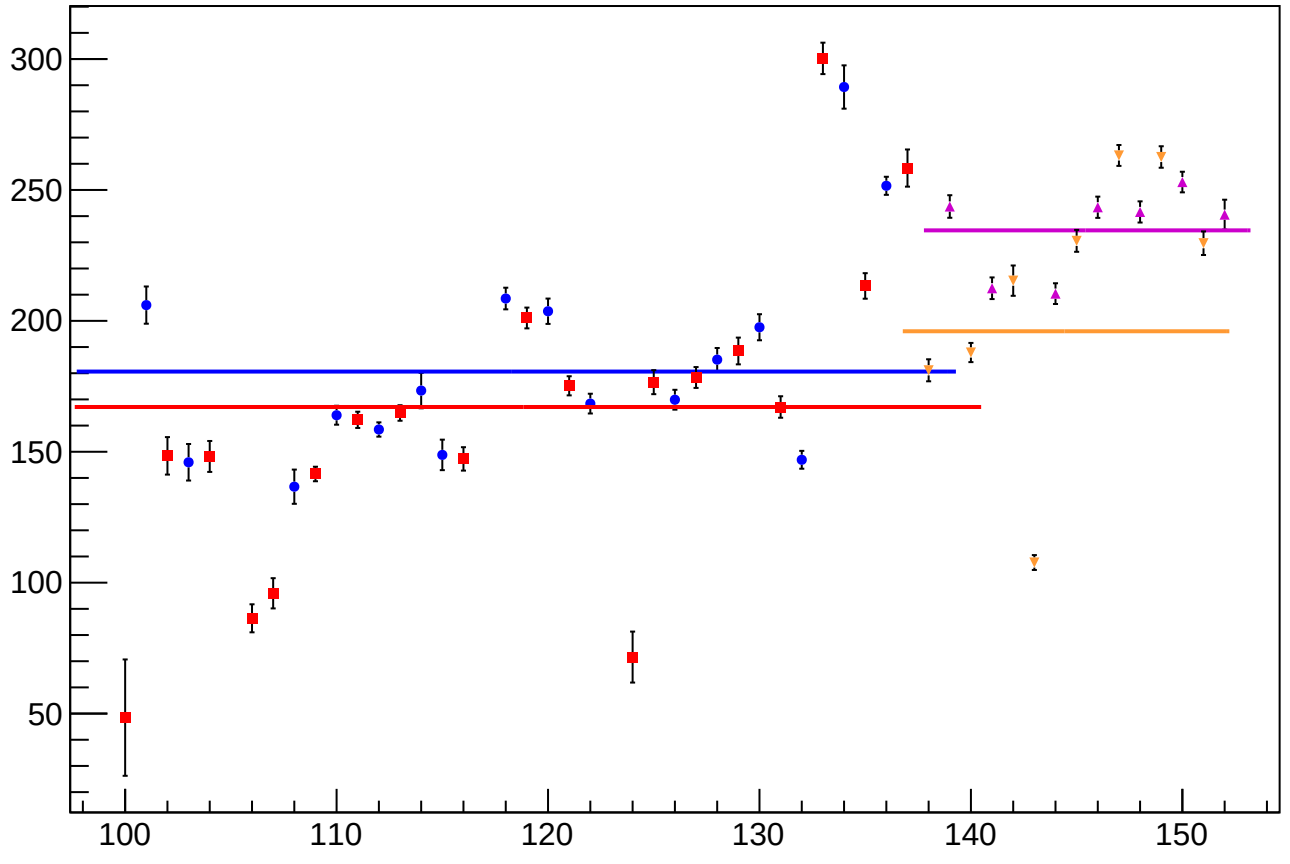
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.264+/-0.021 χ^2/NDF:10200.9/6

+ sign -0.516+/-0.018 χ^2/NDF: 1060802.2/23

All: -2.258+/-0.012 χ^2/NDF: 1754718.2/49

- sign -3.887+/-0.017 χ^2/NDF: 675327.3/25



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 196.029+/-1.396 χ^2/NDF:1665.3/7

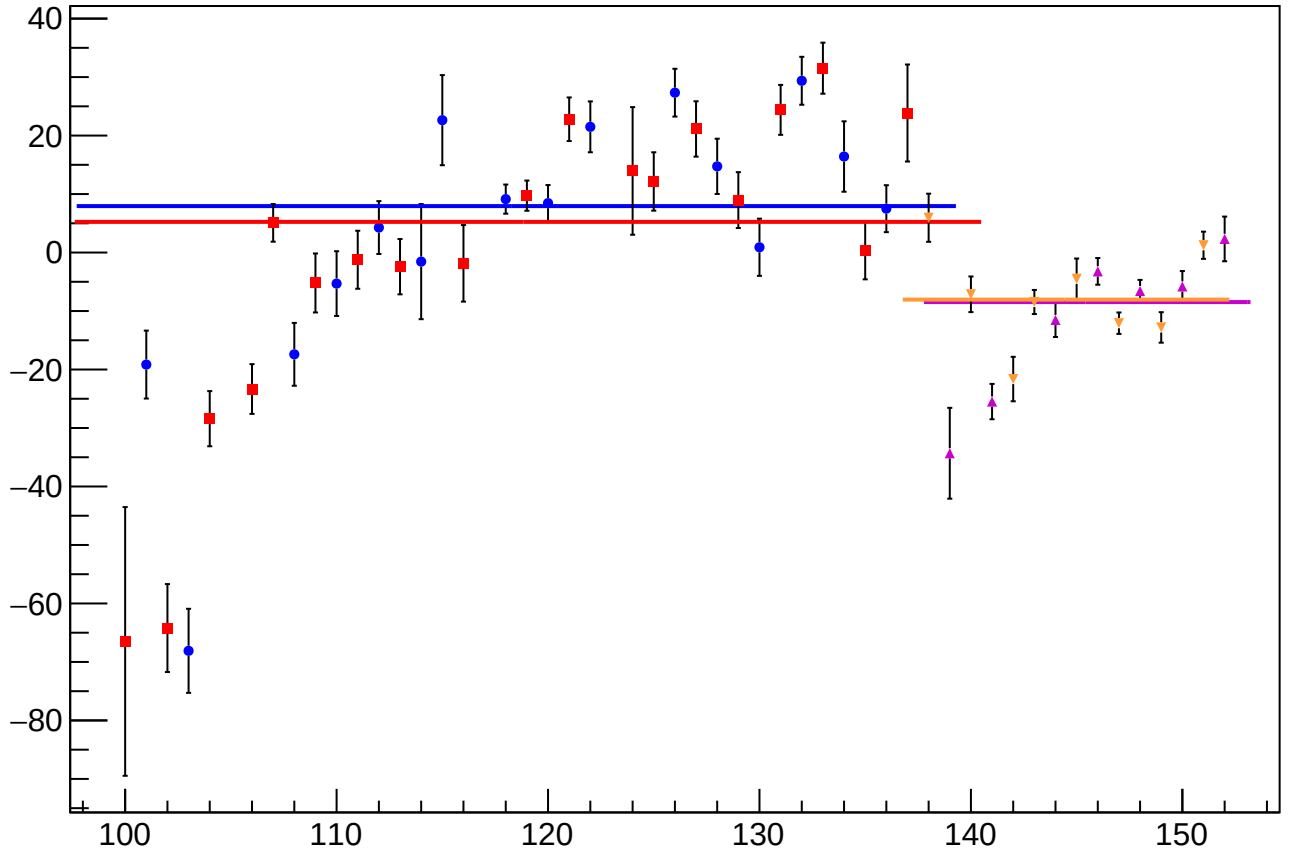
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.566+/-1.595 χ^2/NDF:101.1/6

+ sign 186.465+/-0.859 χ^2/NDF: 2734.3/23

All: 186.587+/-0.608 χ^2/NDF: 5589.5/49

- sign 186.710+/-0.860 χ^2/NDF: 2855.2/25



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.044+/-0.919 χ^2/NDF:49.7/7

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

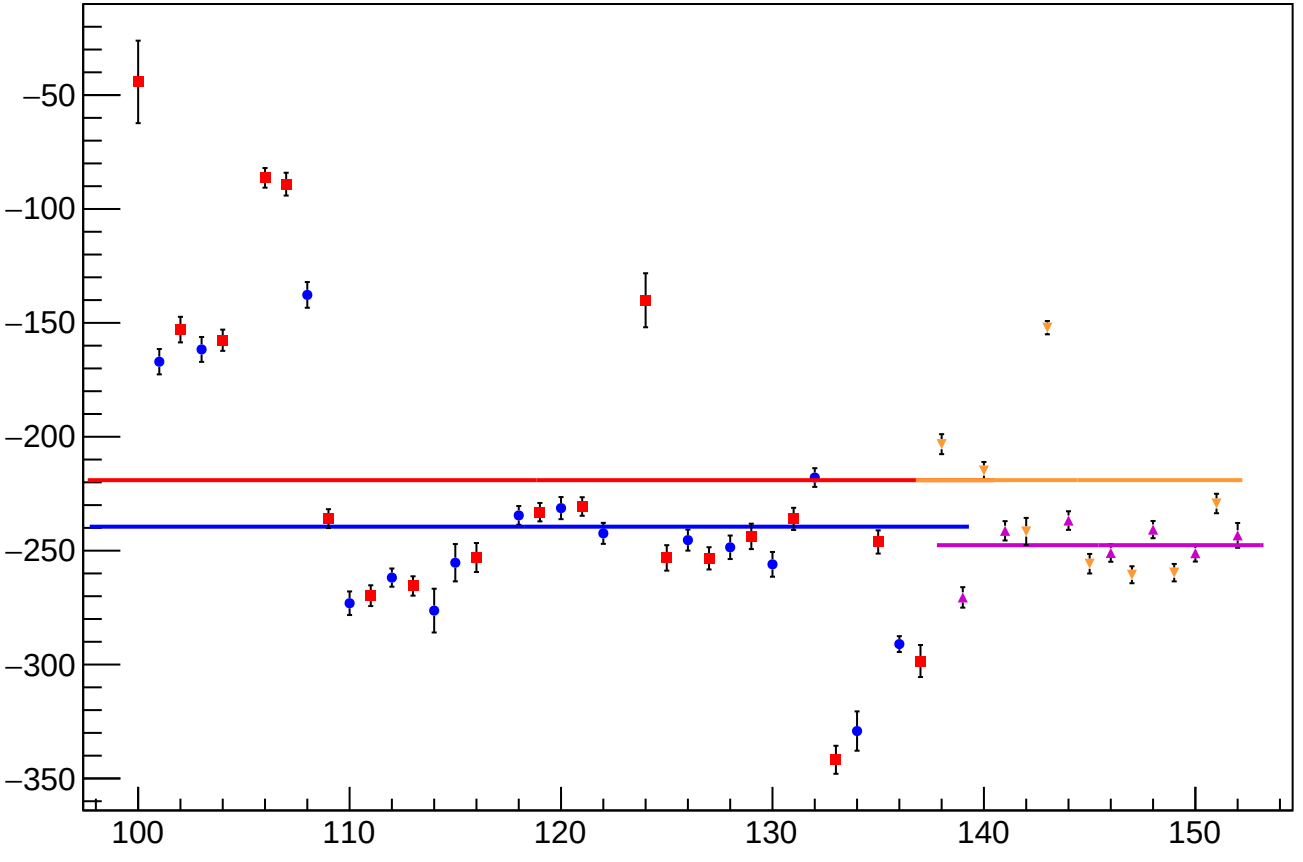
Left In: -8.464+/-1.041 χ^2/NDF:59.2/6

+ sign -1.568+/-0.709 χ^2/NDF: 405.3/23

All: -1.655+/-0.513 χ^2/NDF: 852.4/49

- sign -1.751+/-0.743 χ^2/NDF: 447.1/25

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: -219.030+/-1.391 χ^2/NDF:868.6/7

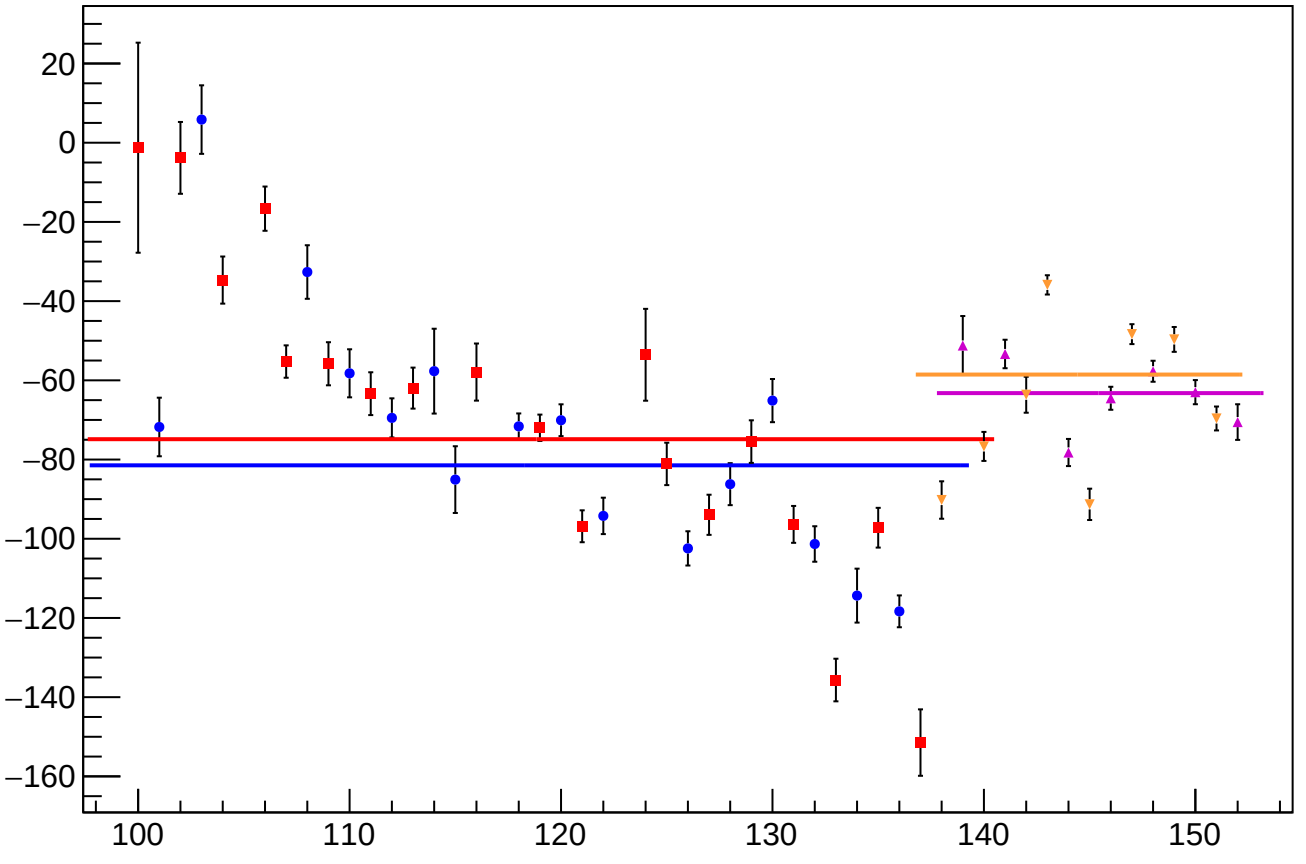
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.587+/-1.563 χ^2/NDF:40.9/6

+ sign -230.375+/-0.928 χ^2/NDF: 2150.7/23

All: -229.878+/-0.660 χ^2/NDF: 5454.1/49

- sign -229.367+/-0.940 χ^2/NDF: 3302.9/25



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -58.541+/-1.140 χ^2/NDF:263.7/7

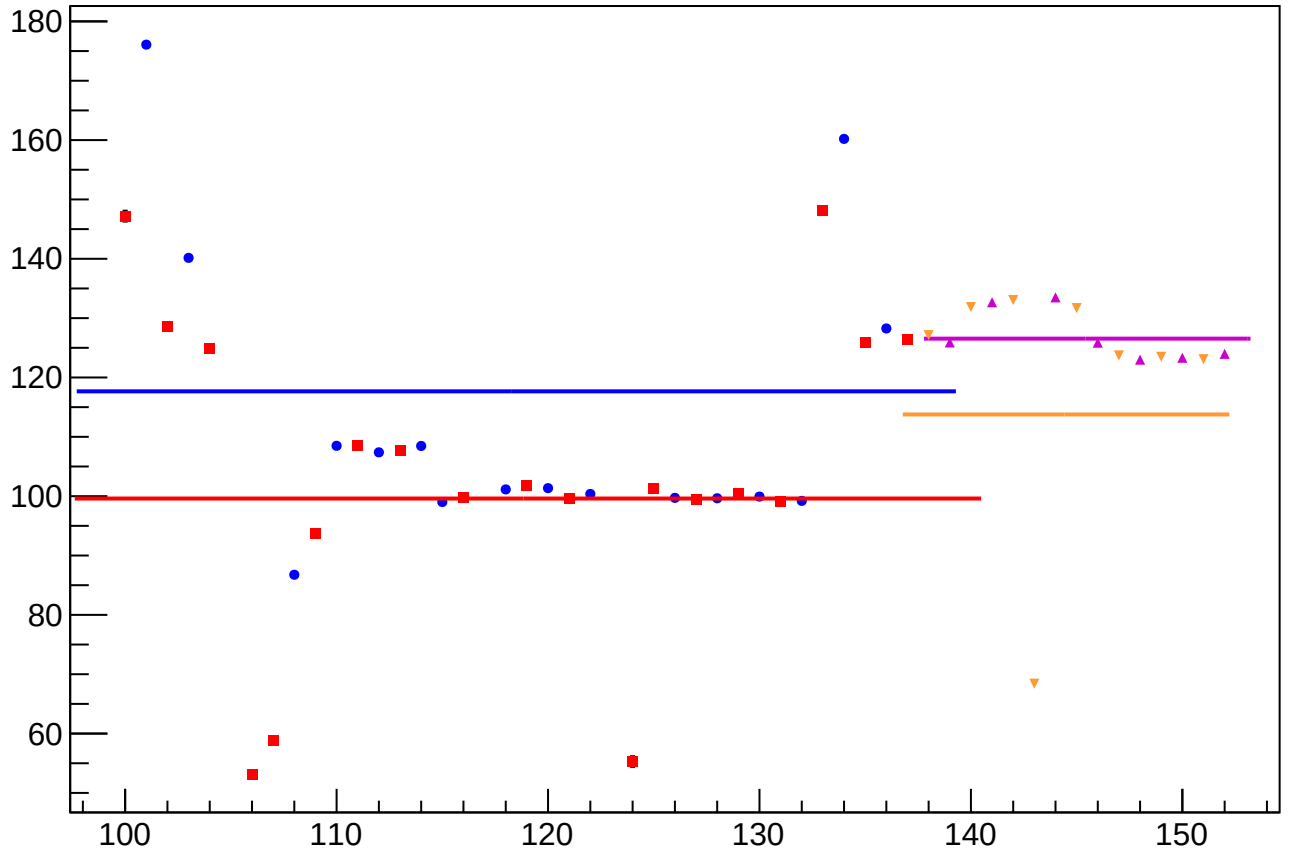
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.225+/-1.293 χ^2/NDF:36.5/6

+ sign -68.618+/-0.853 χ^2/NDF: 808.0/23

All: -68.959+/-0.616 χ^2/NDF: 1463.9/49

- sign -69.331+/-0.891 χ^2/NDF: 655.6/25



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 113.768+/-0.058 χ^2/NDF:183964.2/7

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

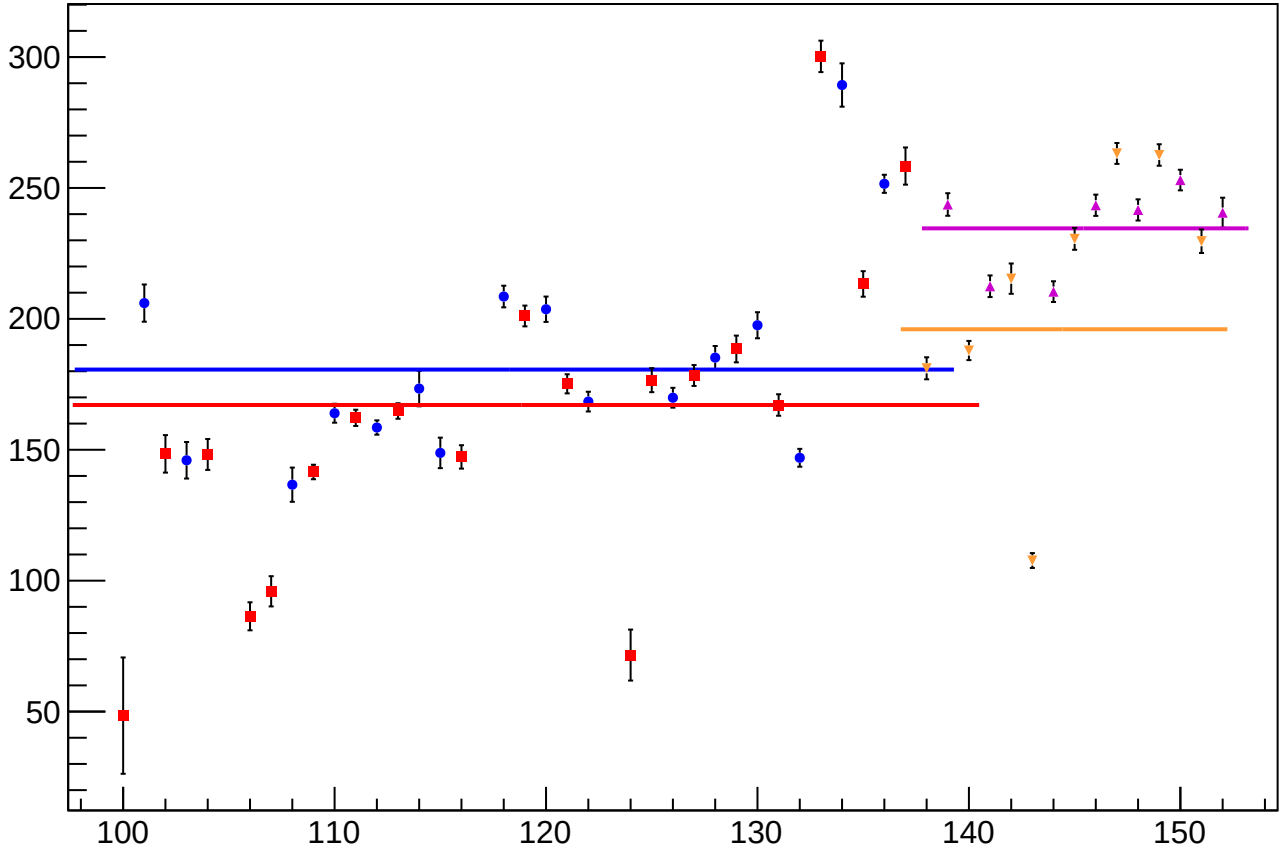
Left In: 126.543+/-0.063 χ^2/NDF:3900.9/6

+ sign 115.154+/-0.047 χ^2/NDF: 280960.1/23

All: 114.847+/-0.033 χ^2/NDF: 532567.8/49

- sign 114.536+/-0.047 χ^2/NDF: 251520.3/25

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: 196.029+/-1.396 χ^2/NDF:1665.3/7

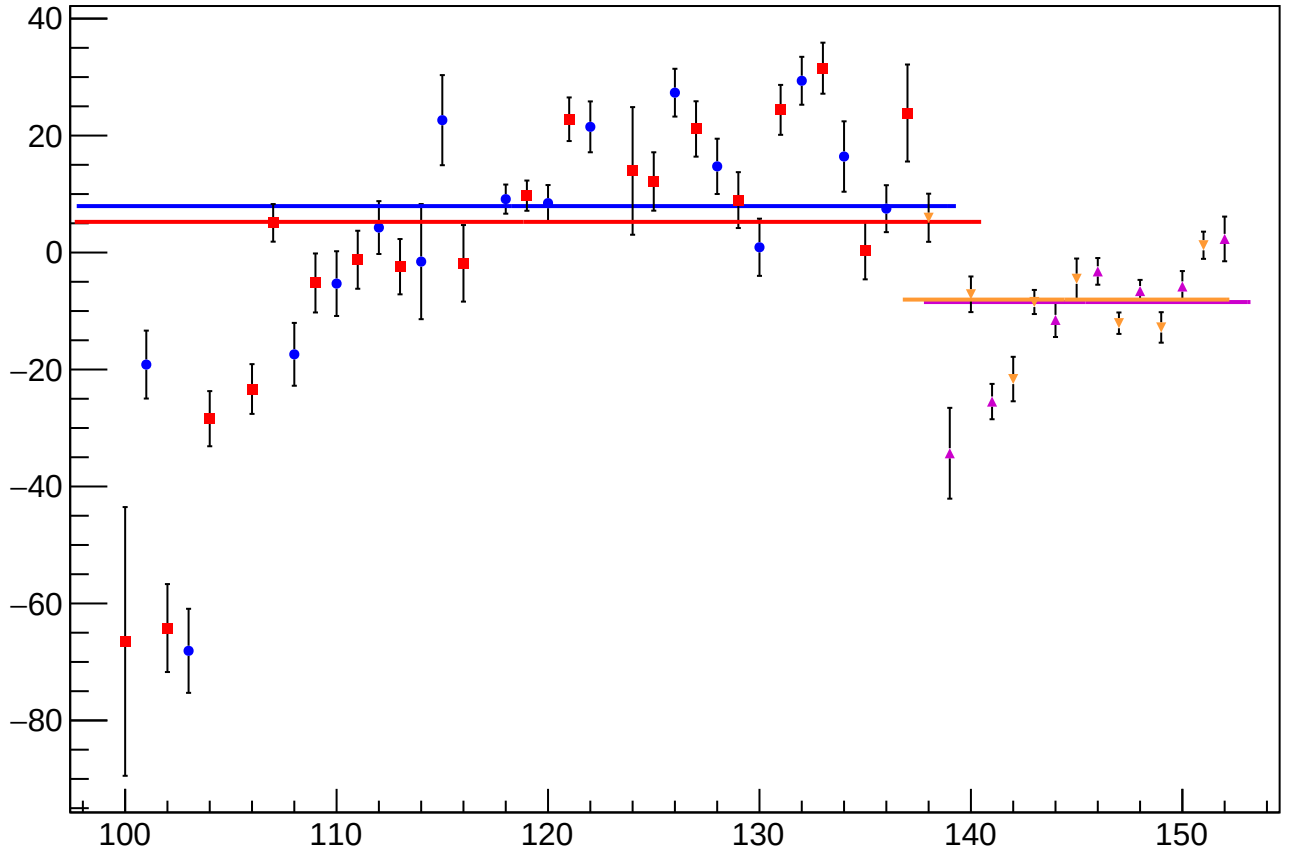
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.566+/-1.595 χ^2/NDF:101.1/6

+ sign 186.465+/-0.859 χ^2/NDF: 2734.3/23

All: 186.587+/-0.608 χ^2/NDF: 5589.5/49

- sign 186.710+/-0.860 χ^2/NDF: 2855.2/25



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.044+/-0.919 χ^2/NDF:49.7/7

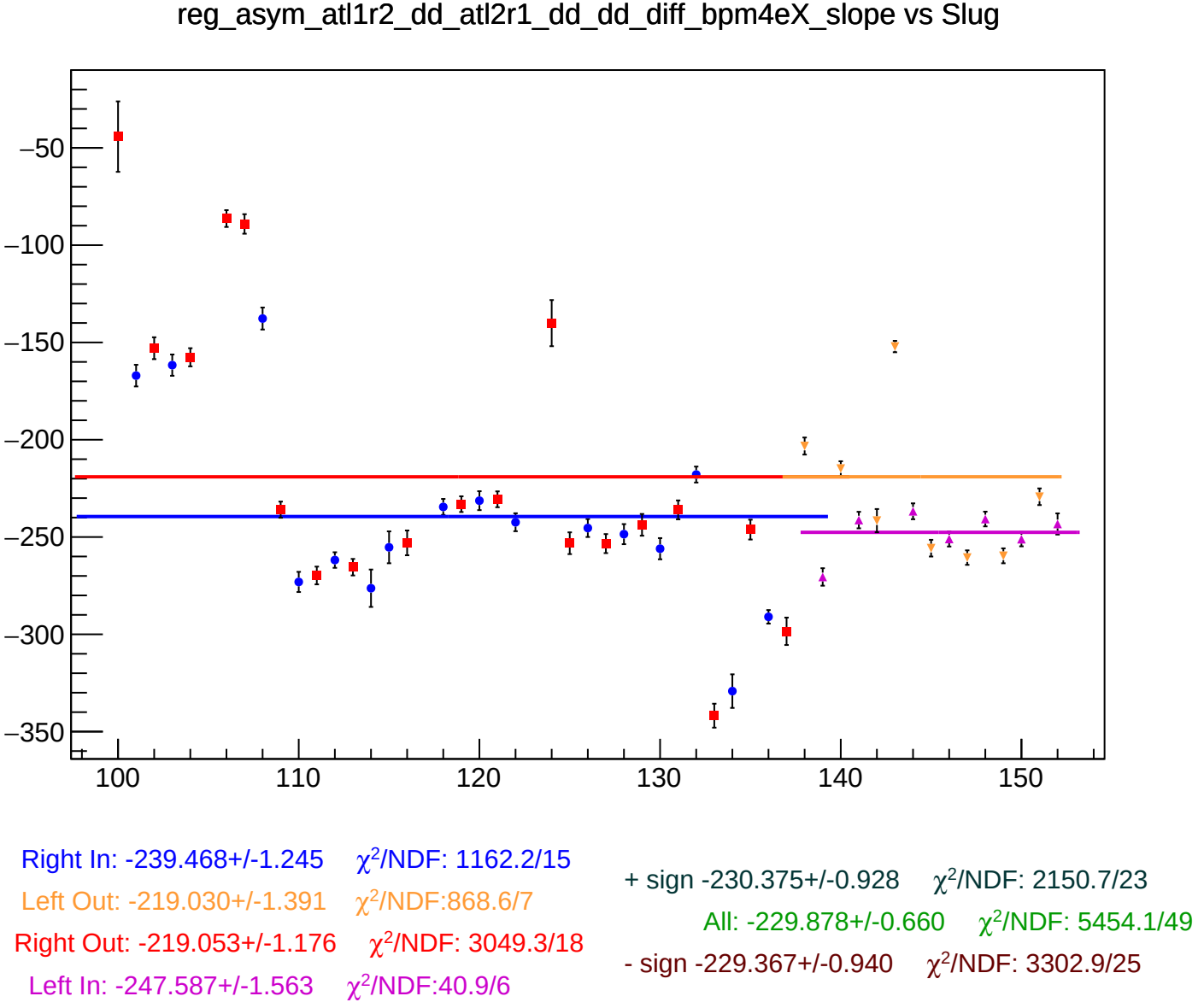
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

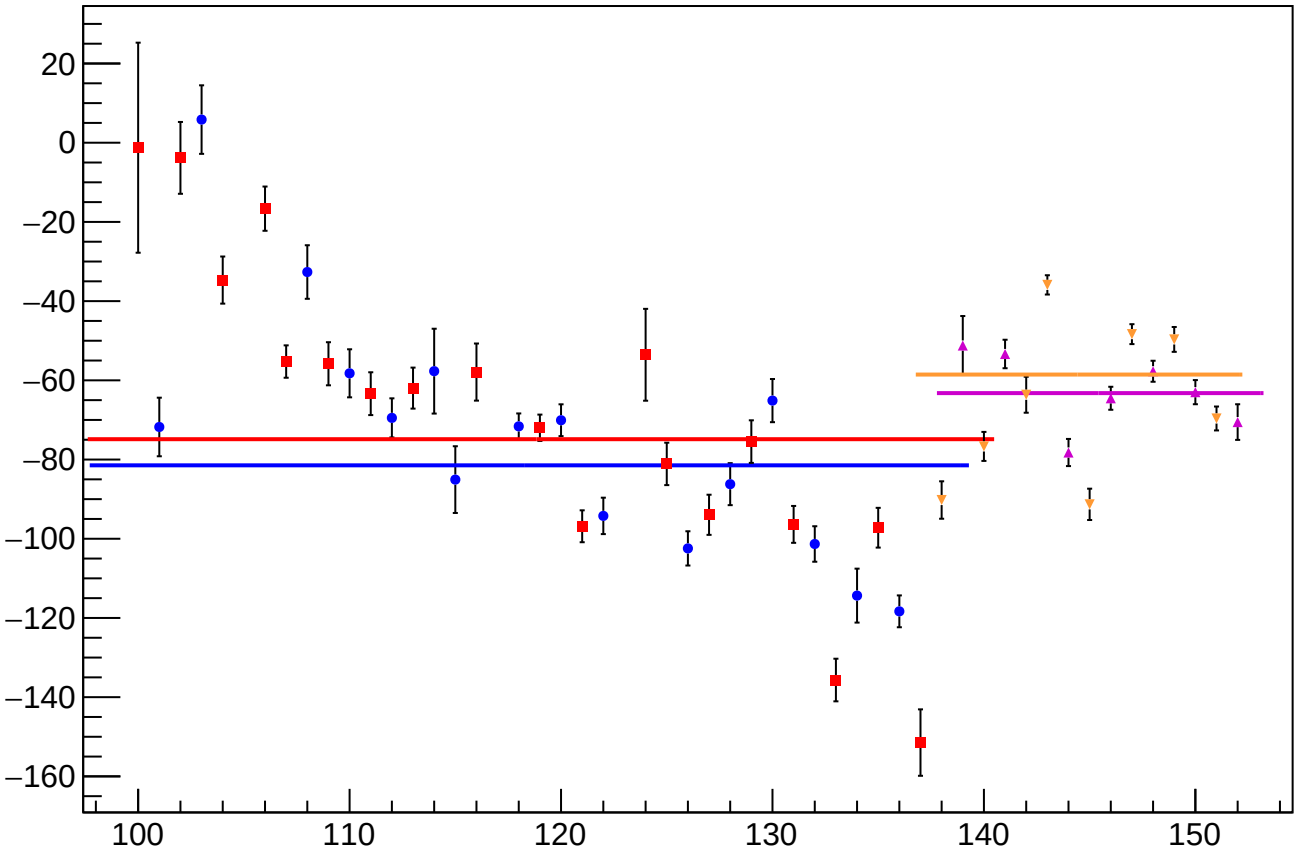
Left In: -8.464+/-1.041 χ^2/NDF:59.2/6

+ sign -1.568+/-0.709 χ^2/NDF: 405.3/23

All: -1.655+/-0.513 χ^2/NDF: 852.4/49

- sign -1.751+/-0.743 χ^2/NDF: 447.1/25


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: -219.030+/-1.391 χ²/NDF:868.6/7
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -247.587+/-1.563 χ²/NDF:40.9/6
+ sign -230.375+/-0.928 χ²/NDF: 2150.7/23
All: -229.878+/-0.660 χ²/NDF: 5454.1/49
- sign -229.367+/-0.940 χ²/NDF: 3302.9/25



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -58.541+/-1.140 χ^2/NDF:263.7/7

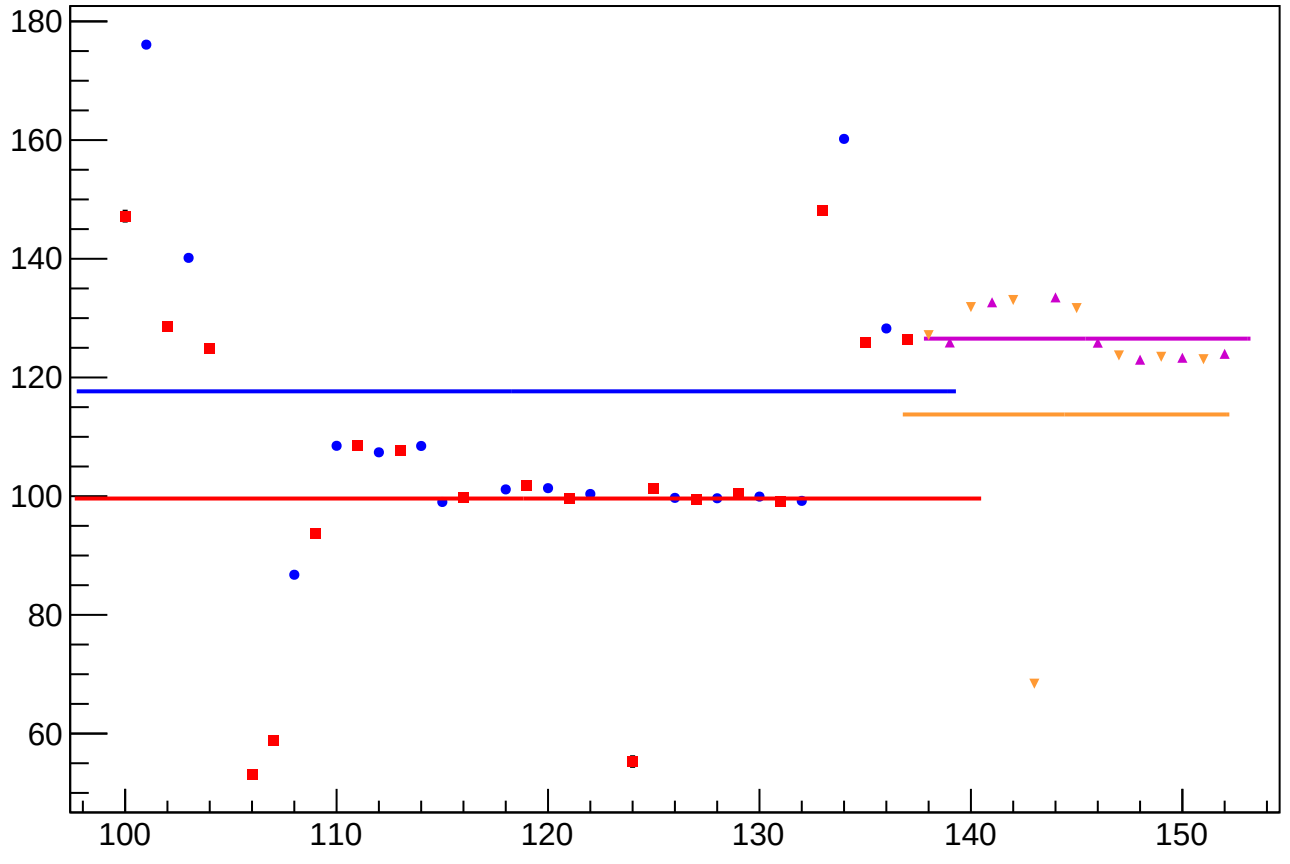
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.225+/-1.293 χ^2/NDF:36.5/6

+ sign -68.618+/-0.853 χ^2/NDF: 808.0/23

All: -68.959+/-0.616 χ^2/NDF: 1463.9/49

- sign -69.331+/-0.891 χ^2/NDF: 655.6/25



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 113.768+/-0.058 χ^2/NDF:183964.2/7

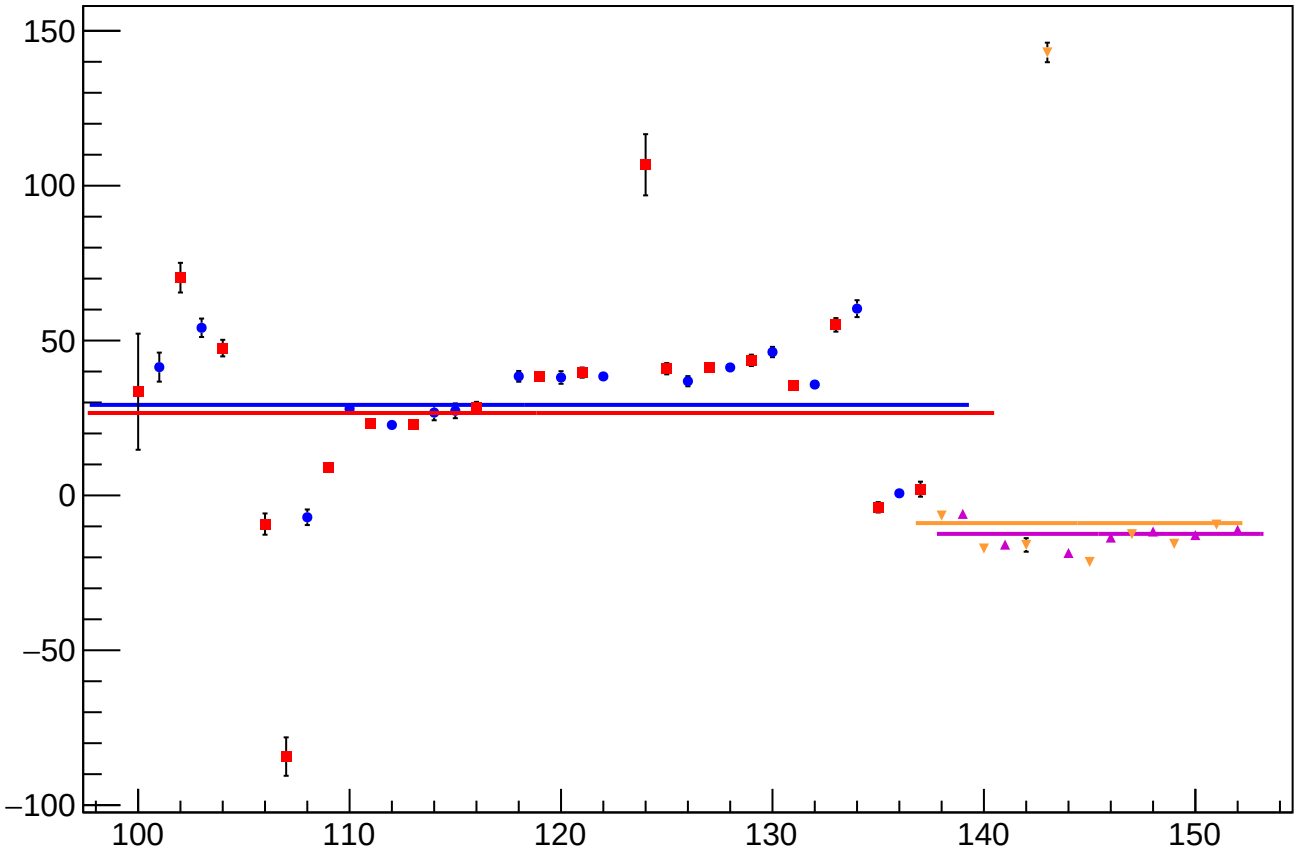
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.543+/-0.063 χ^2/NDF:3900.9/6

+ sign 115.154+/-0.047 χ^2/NDF: 280960.1/23

All: 114.847+/-0.033 χ^2/NDF: 532567.8/49

- sign 114.536+/-0.047 χ^2/NDF: 251520.3/25



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -8.939+/-0.541 χ^2/NDF:2467.0/7

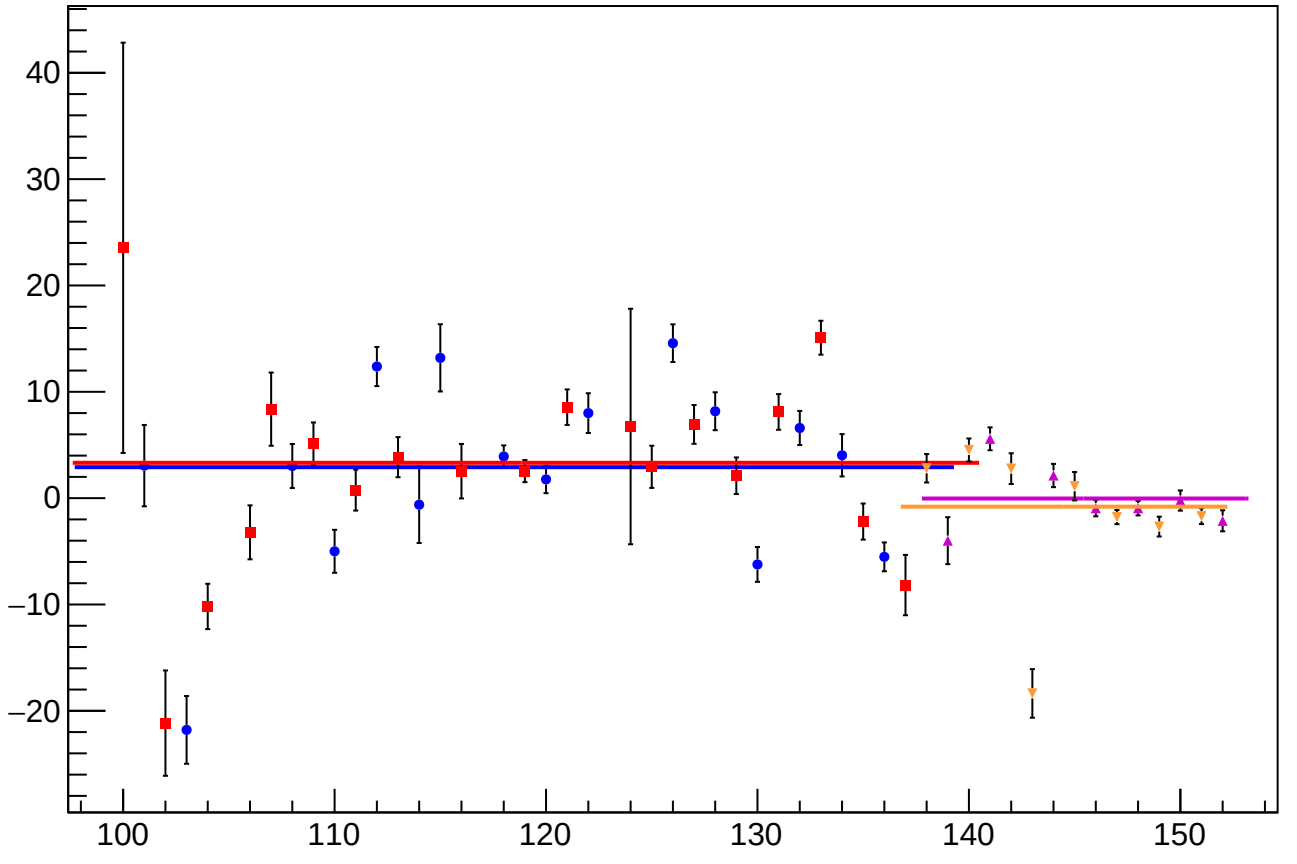
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.418+/-0.528 χ^2/NDF:52.7/6

\+ sign 14.708+/-0.334 χ^2/NDF: 6888.8/23

All: 13.197+/-0.233 χ^2/NDF: 12282.2/49

\- sign 11.758+/-0.326 χ^2/NDF: 5353.5/25



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.799+/-0.356 χ^2/NDF:106.5/7

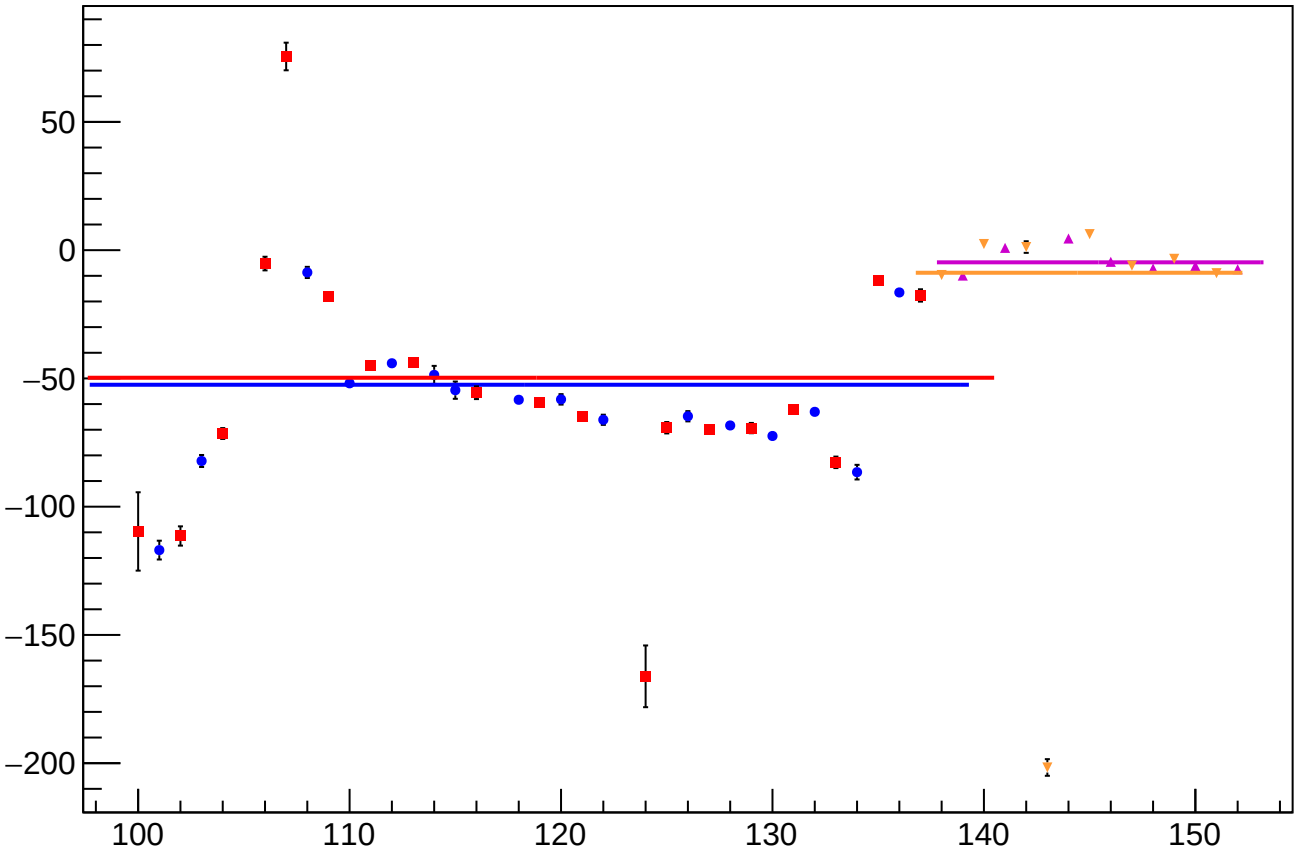
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: -0.035+/-0.356 χ^2/NDF:42.2/6

+ sign 0.662+/-0.278 χ^2/NDF: 399.1/23

All: 0.951+/-0.197 χ^2/NDF: 659.3/49

- sign 1.246+/-0.280 χ^2/NDF: 257.9/25



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.804+/-0.536 χ^2/NDF:3736.6/7

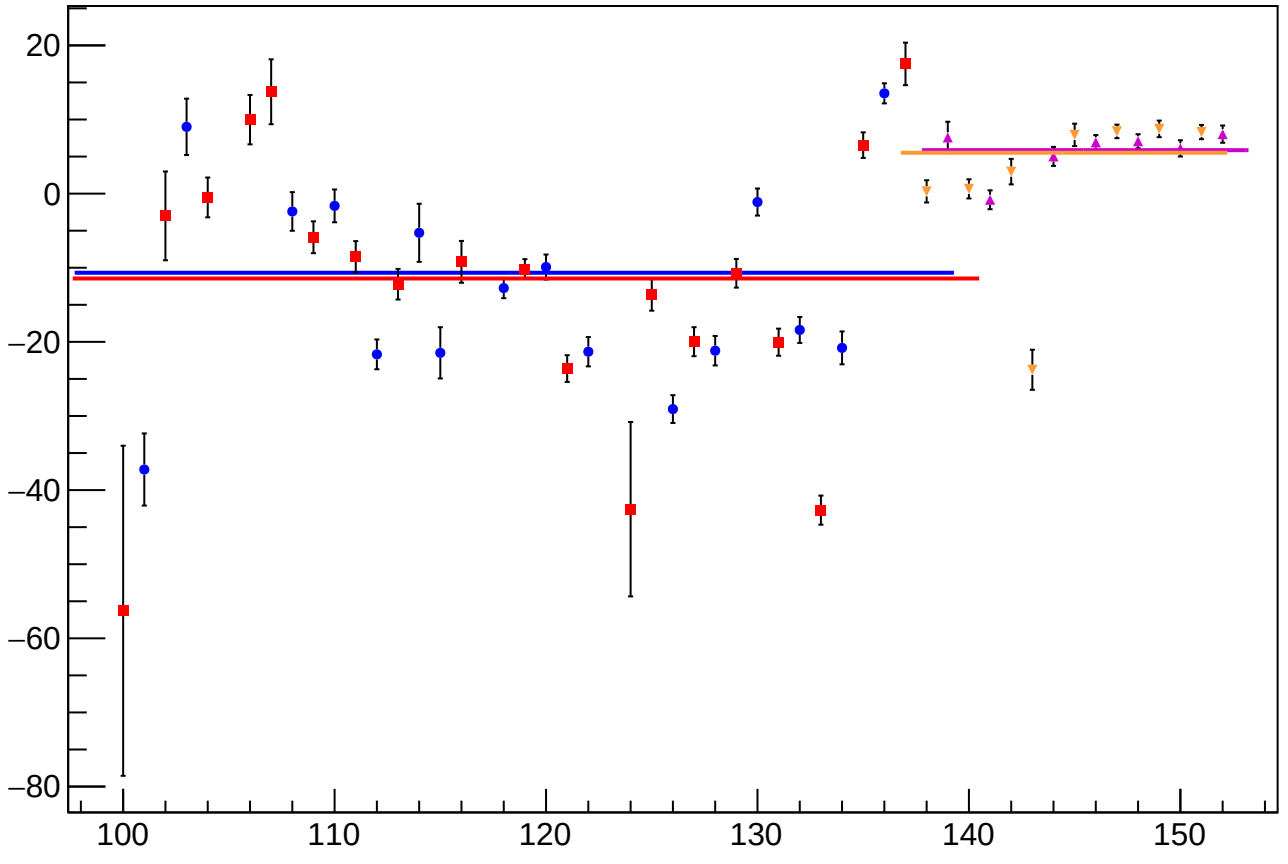
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.741+/-0.519 χ^2/NDF:75.6/6

+ sign -32.681+/-0.361 χ^2/NDF: 9697.7/23

All: -30.491+/-0.254 χ^2/NDF: 16800.5/49

- sign -28.337+/-0.358 χ^2/NDF: 7029.7/25



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.516+/-0.446 χ^2/NDF:174.8/7

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

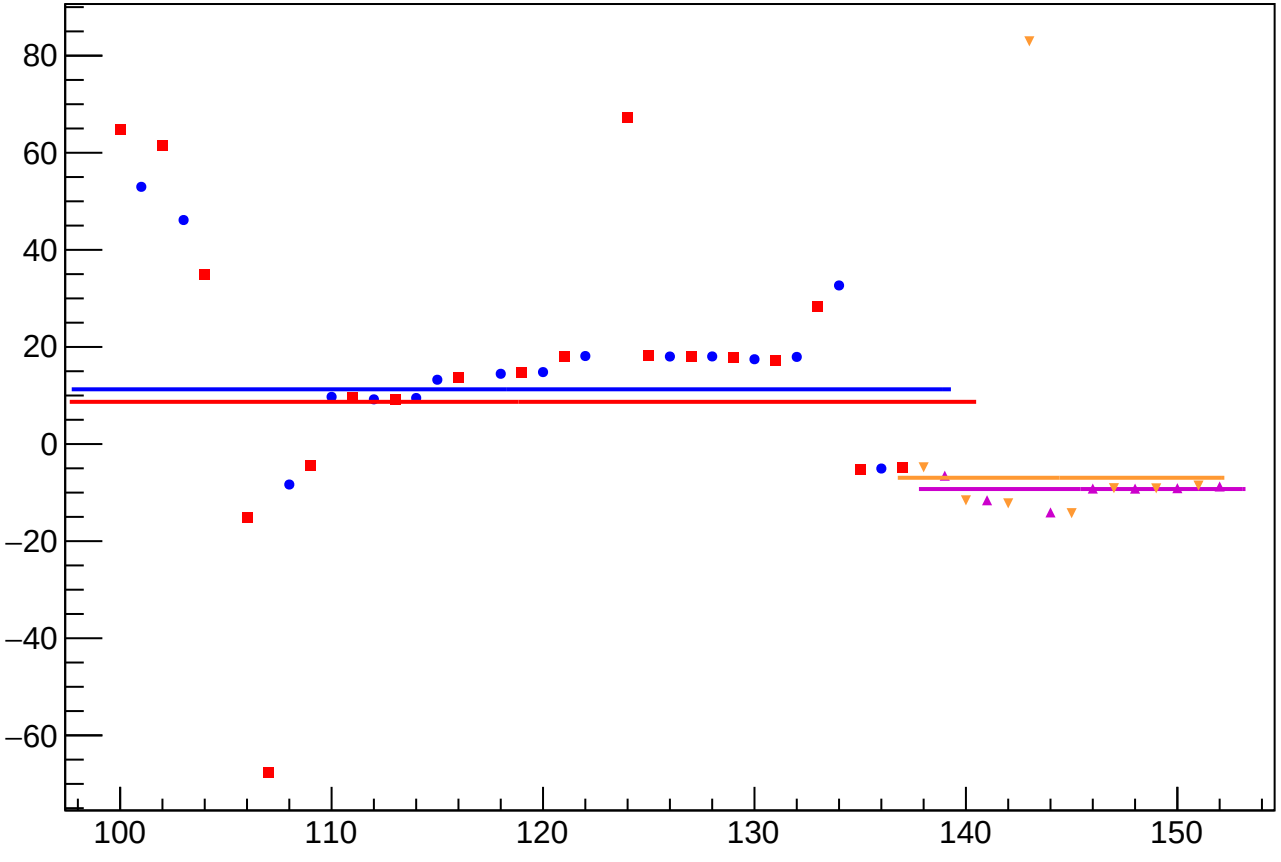
Left In: 5.863+/-0.439 χ^2/NDF:35.0/6

+ sign -1.567+/-0.334 χ^2/NDF: 1418.4/23

All: -1.488+/-0.236 χ^2/NDF: 2772.1/49

- sign -1.409+/-0.334 χ^2/NDF: 1353.5/25

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.944+/-0.022 χ^2/NDF:471460.1/7

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

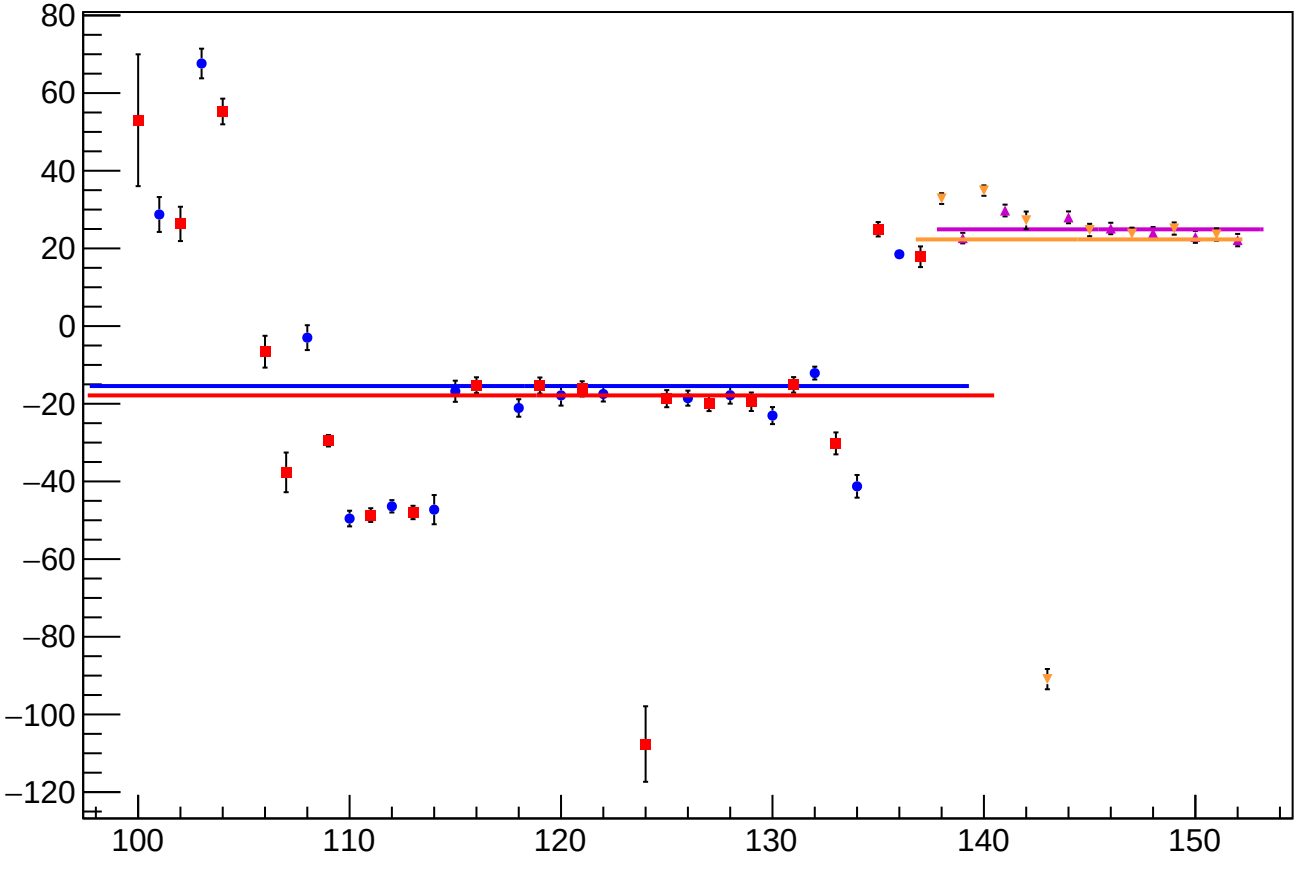
Left In: -9.264+/-0.021 χ^2/NDF:10200.9/6

+ sign -0.516+/-0.018 χ^2/NDF: 1060802.2/23

All: -2.258+/-0.012 χ^2/NDF: 1754718.2/49

- sign -3.887+/-0.017 χ^2/NDF: 675327.3/25

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 22.317+/-0.576 χ^2/NDF:2035.6/7

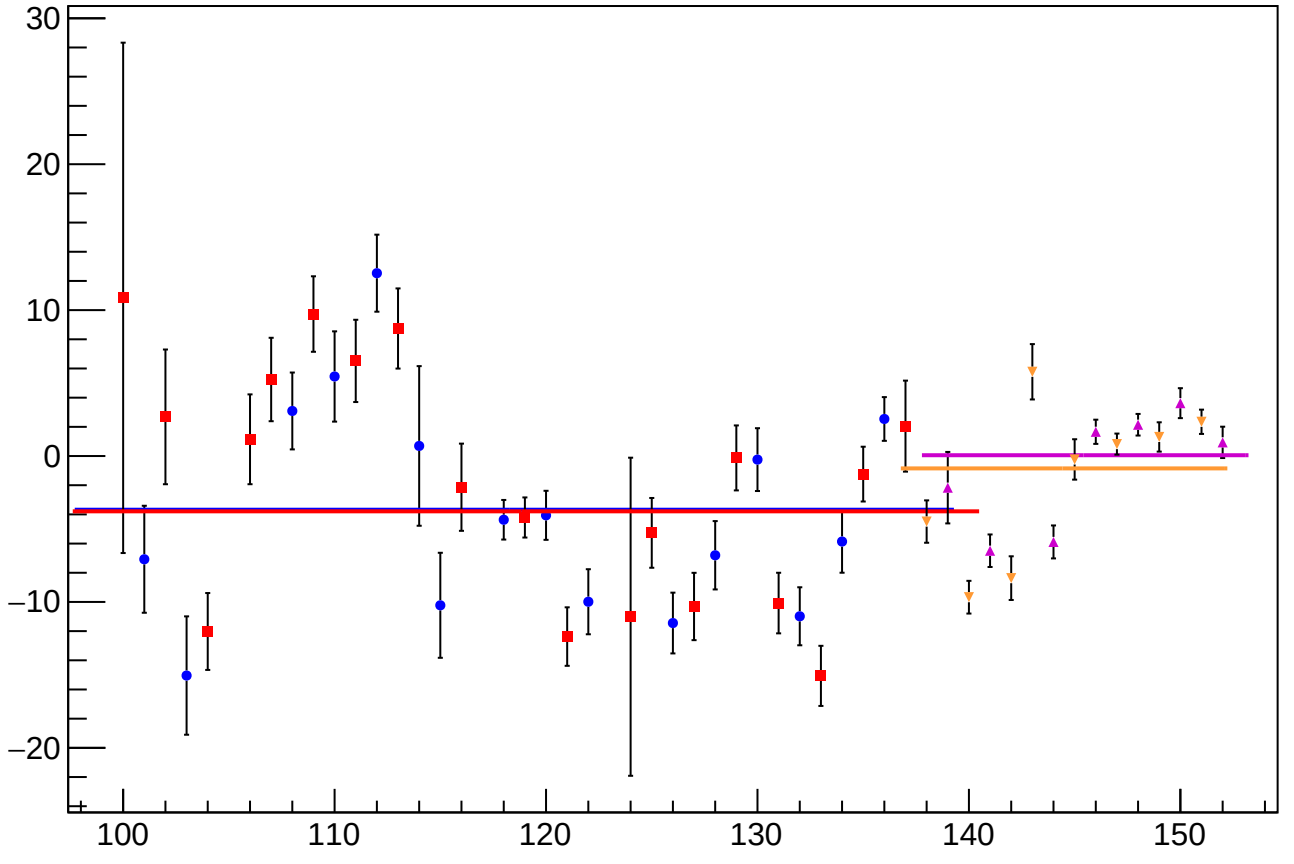
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 24.910+/-0.568 χ^2/NDF:22.1/6

+ sign 2.200+/-0.393 χ^2/NDF: 6451.7/23

All: 2.113+/-0.276 χ^2/NDF: 11628.9/49

- sign 2.028+/-0.387 χ^2/NDF: 5177.1/25



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.848+/-0.382 χ^2/NDF:130.6/7

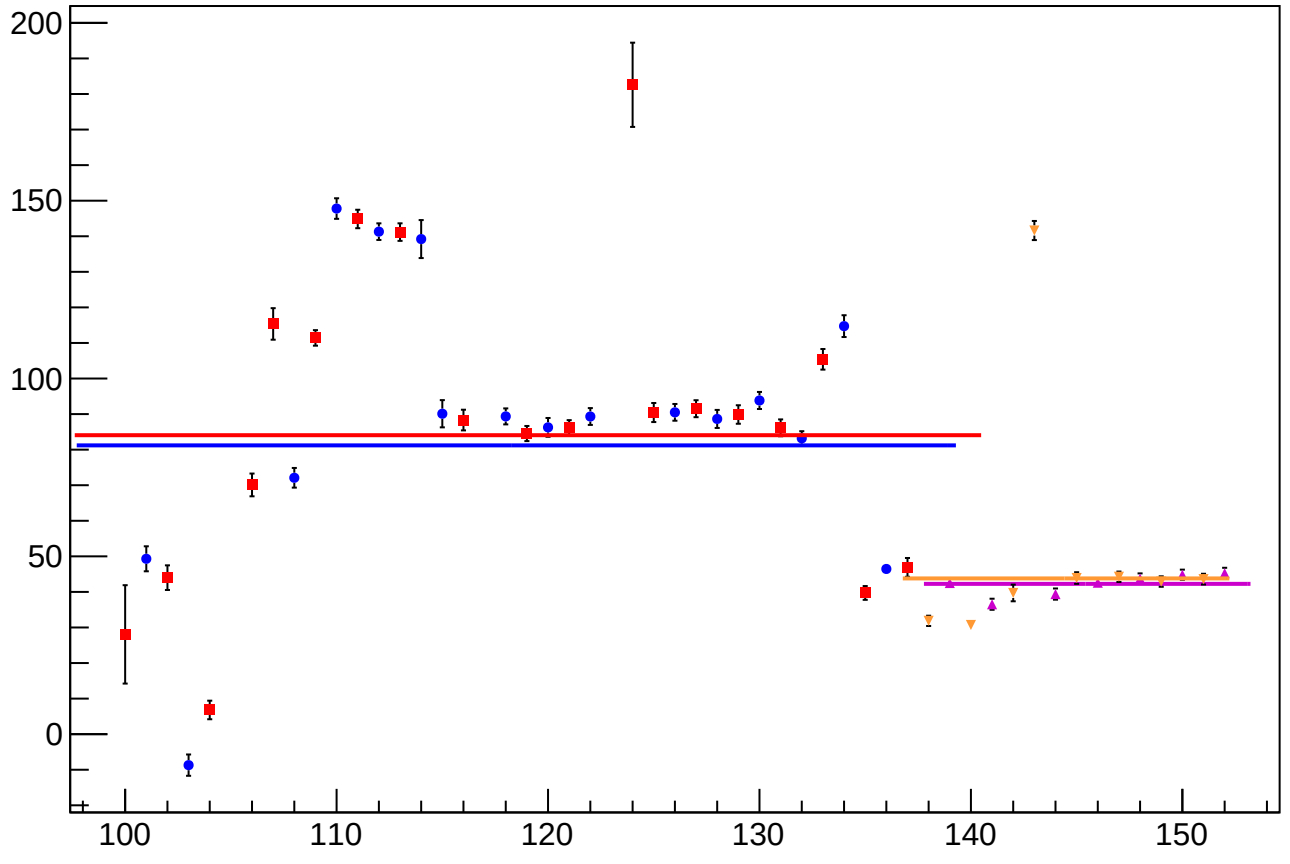
Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: 0.055+/-0.382 χ^2/NDF:87.5/6

\+ sign -1.763+/-0.314 χ^2/NDF: 272.3/23

All: -1.462+/-0.223 χ^2/NDF: 554.8/49

\- sign -1.155+/-0.316 χ^2/NDF: 280.6/25



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.792+/-0.571 χ^2/NDF:1487.3/7

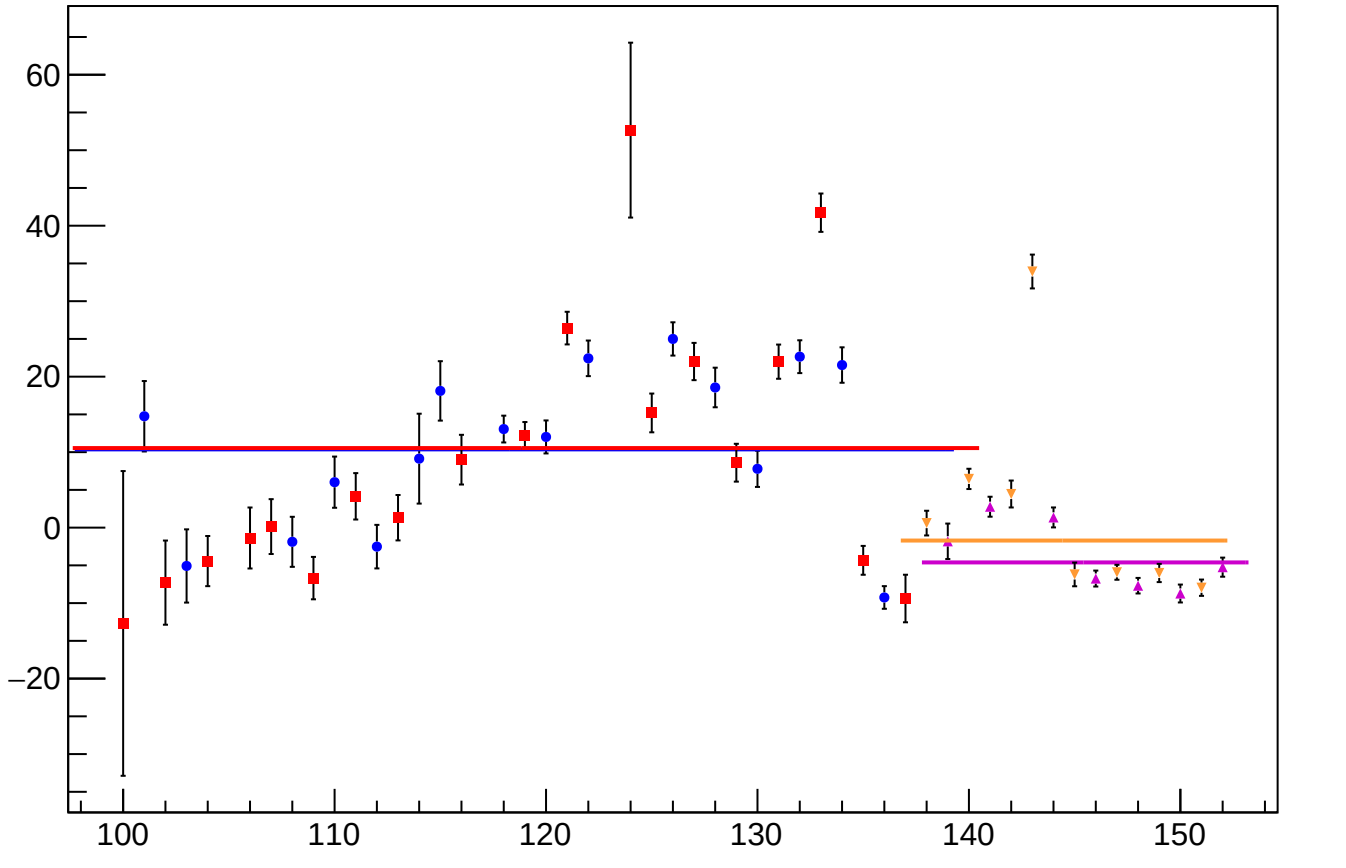
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 42.264+/-0.558 χ^2/NDF:25.1/6

+ sign 61.346+/-0.416 χ^2/NDF: 6733.7/23

All: 61.226+/-0.293 χ^2/NDF: 12492.2/49

- sign 61.108+/-0.414 χ^2/NDF: 5758.3/25



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.711+/-0.476 χ^2/NDF:376.3/7

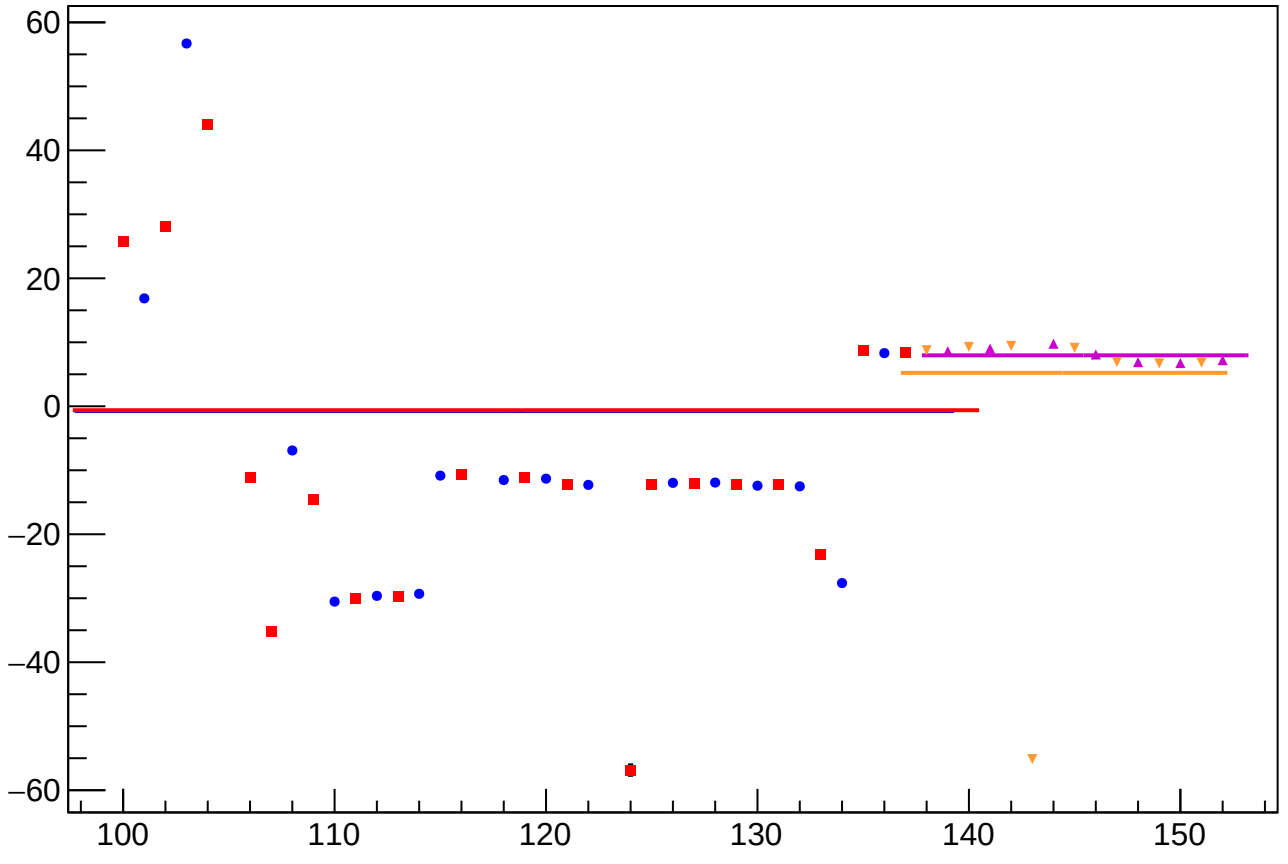
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.610+/-0.471 χ^2/NDF:78.3/6

+ sign 2.708+/-0.379 χ^2/NDF: 971.8/23

All: 1.713+/-0.268 χ^2/NDF: 1897.6/49

- sign 0.715+/-0.380 χ^2/NDF: 912.1/25



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.227+/-0.024 χ^2/NDF:307627.6/7

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

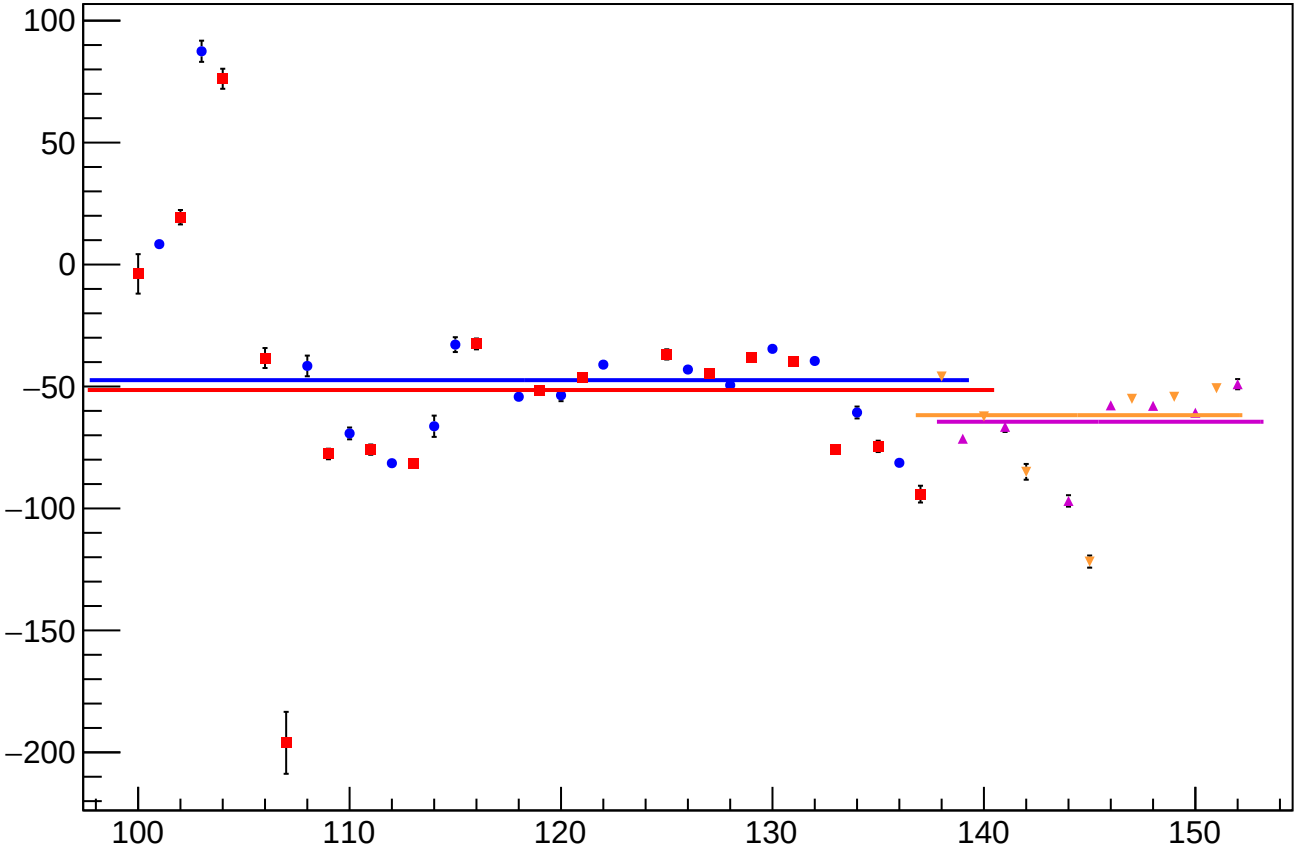
Left In: 7.964+/-0.022 χ^2/NDF:2050.9/6

+ sign 3.426+/-0.020 χ^2/NDF: 694971.1/23

All: 4.615+/-0.014 χ^2/NDF: 1059634.8/49

- sign 5.727+/-0.019 χ^2/NDF: 357618.1/25

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -61.756+/-0.769 χ^2/NDF:772.9/6

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

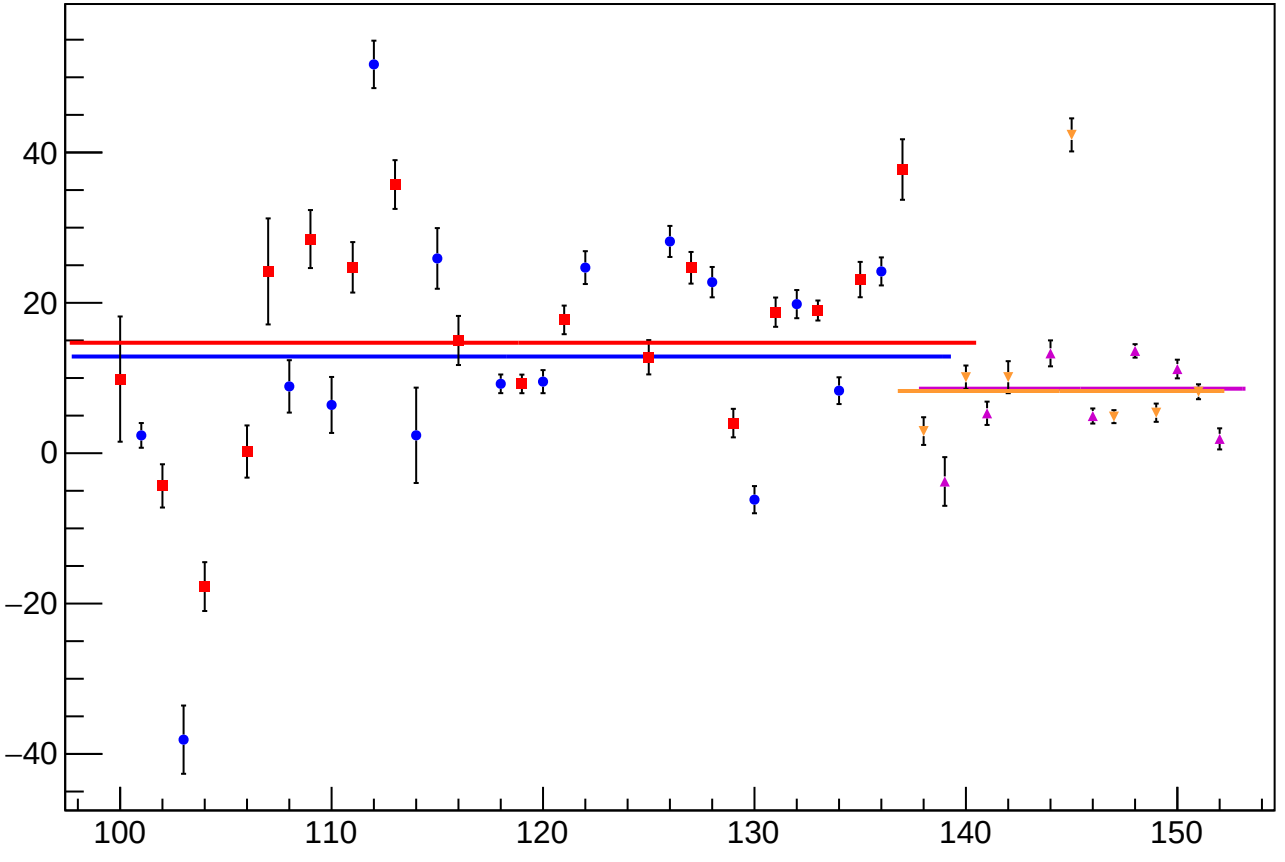
Left In: -64.451+/-0.741 χ^2/NDF:291.9/6

+ sign -52.084+/-0.439 χ^2/NDF: 3776.9/22

All: -54.048+/-0.311 χ^2/NDF: 7181.5/47

- sign -56.011+/-0.439 χ^2/NDF: 3364.6/24

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 8.275+/-0.490 χ^2/NDF:271.6/6

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

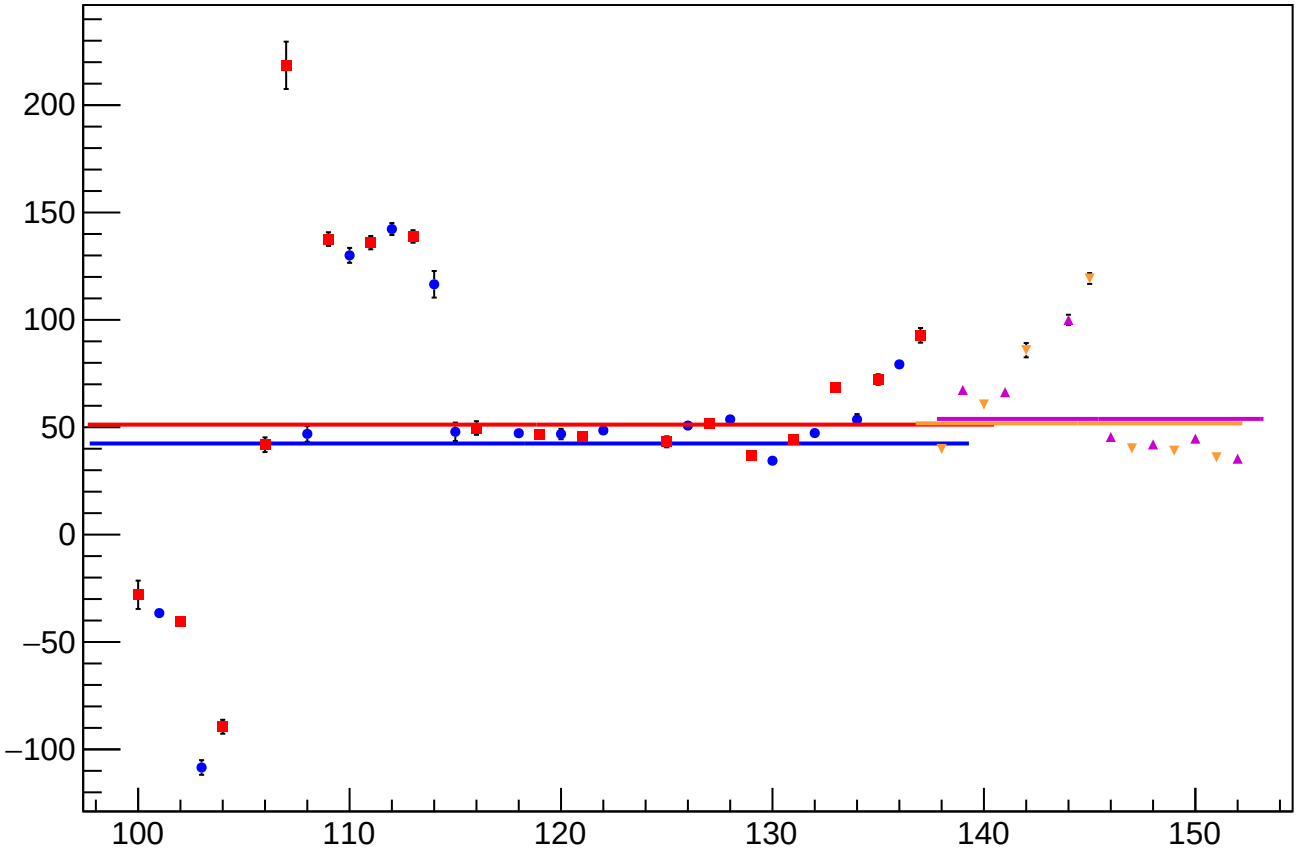
Left In: 8.580+/-0.486 χ^2/NDF:98.0/6

+ sign 10.438+/-0.356 χ^2/NDF: 938.4/22

All: 10.856+/-0.254 χ^2/NDF: 1473.4/47

- sign 11.289+/-0.362 χ^2/NDF: 532.3/24

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 51.824+/-0.756 χ^2/NDF:1055.2/6

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

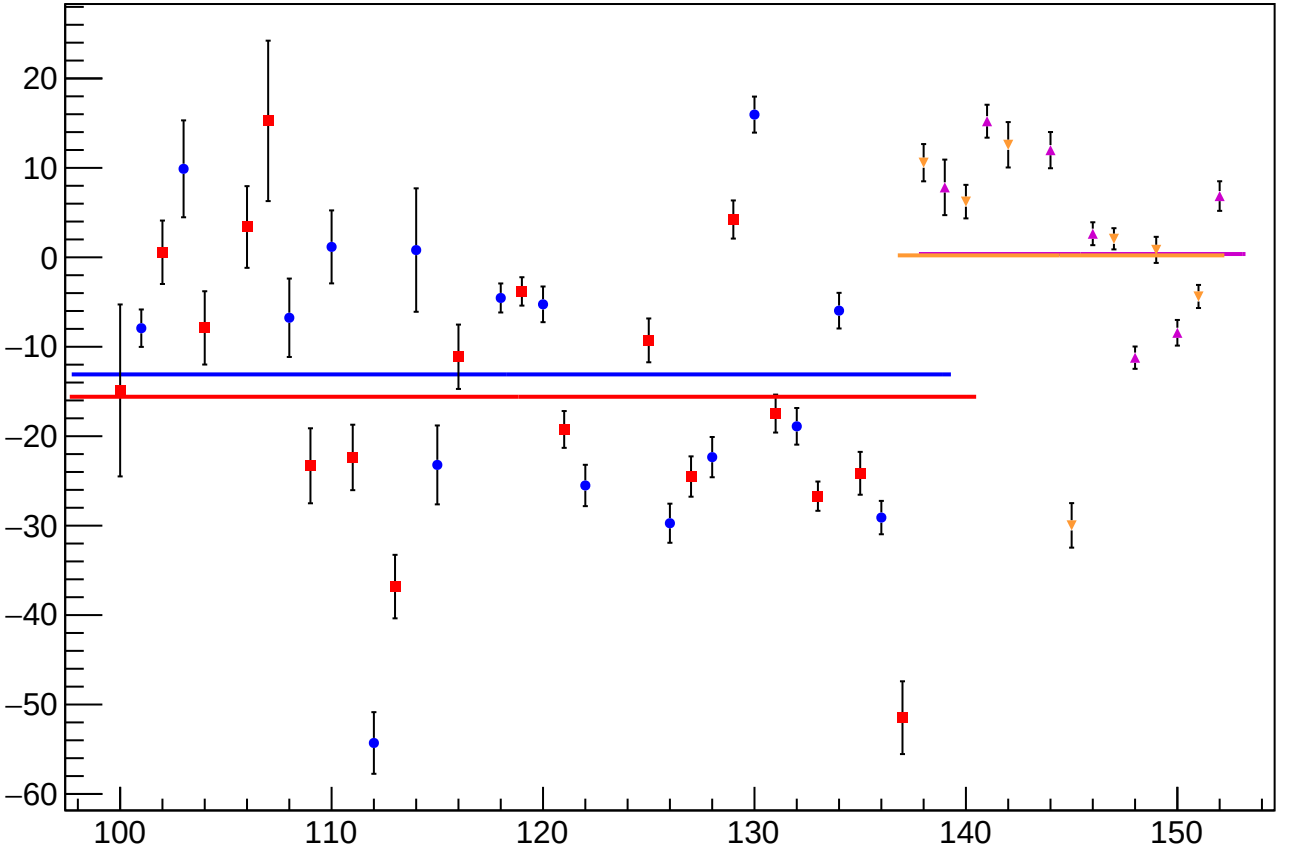
Left In: 53.891+/-0.724 χ^2/NDF:632.8/6

\+ sign 45.949+/-0.462 χ^2/NDF: 8320.7/22

All: 49.102+/-0.329 χ^2/NDF: 15667.0/47

\- sign 52.342+/-0.469 χ^2/NDF: 7252.0/24

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 0.219+/-0.619 χ^2/NDF:221.1/6

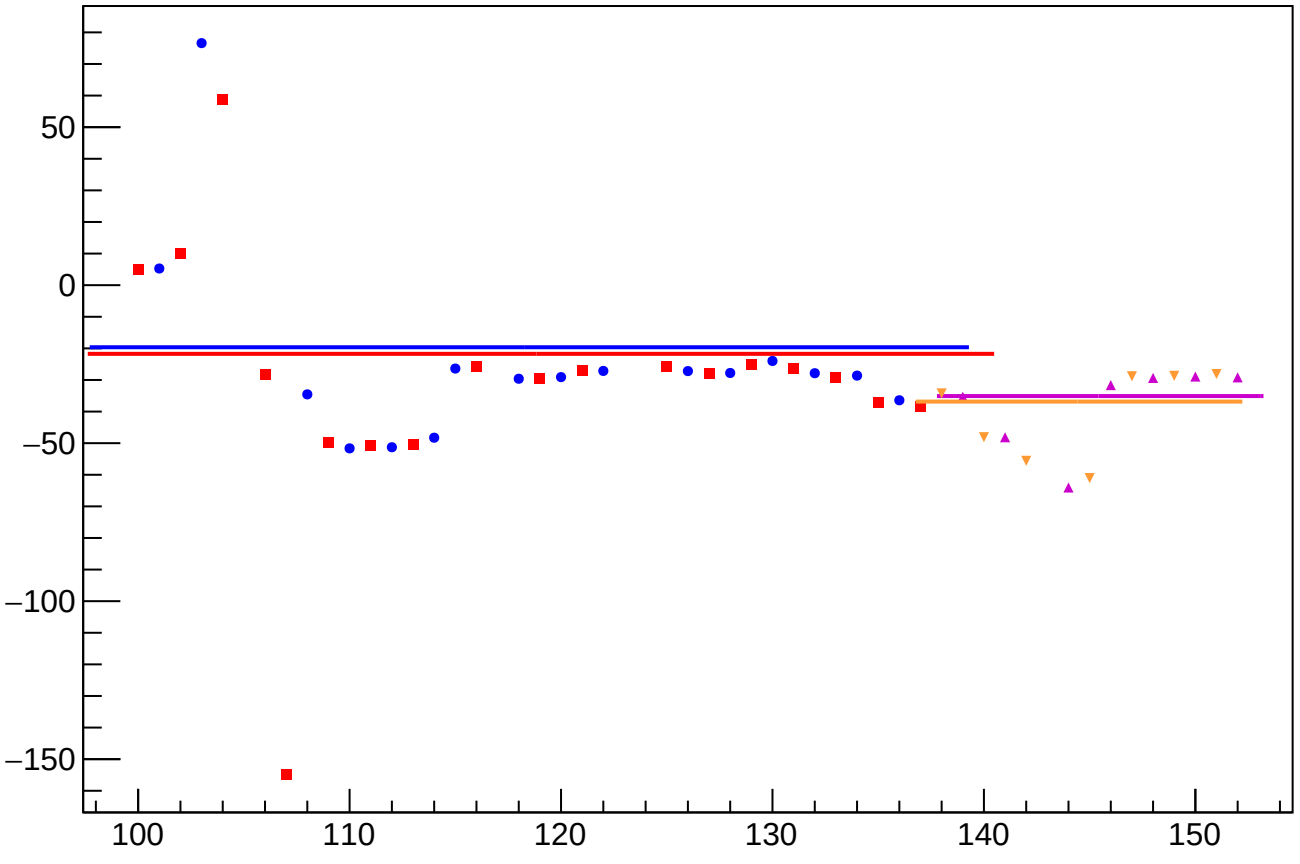
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 0.370+/-0.603 χ^2/NDF:246.2/6

\+ sign -6.641+/-0.431 χ^2/NDF: 1099.6/22

All: -6.970+/-0.306 χ^2/NDF: 2085.3/47

\- sign -7.306+/-0.435 χ^2/NDF: 984.5/24



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -36.842+/-0.031 χ^2/NDF:134319.9/6

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

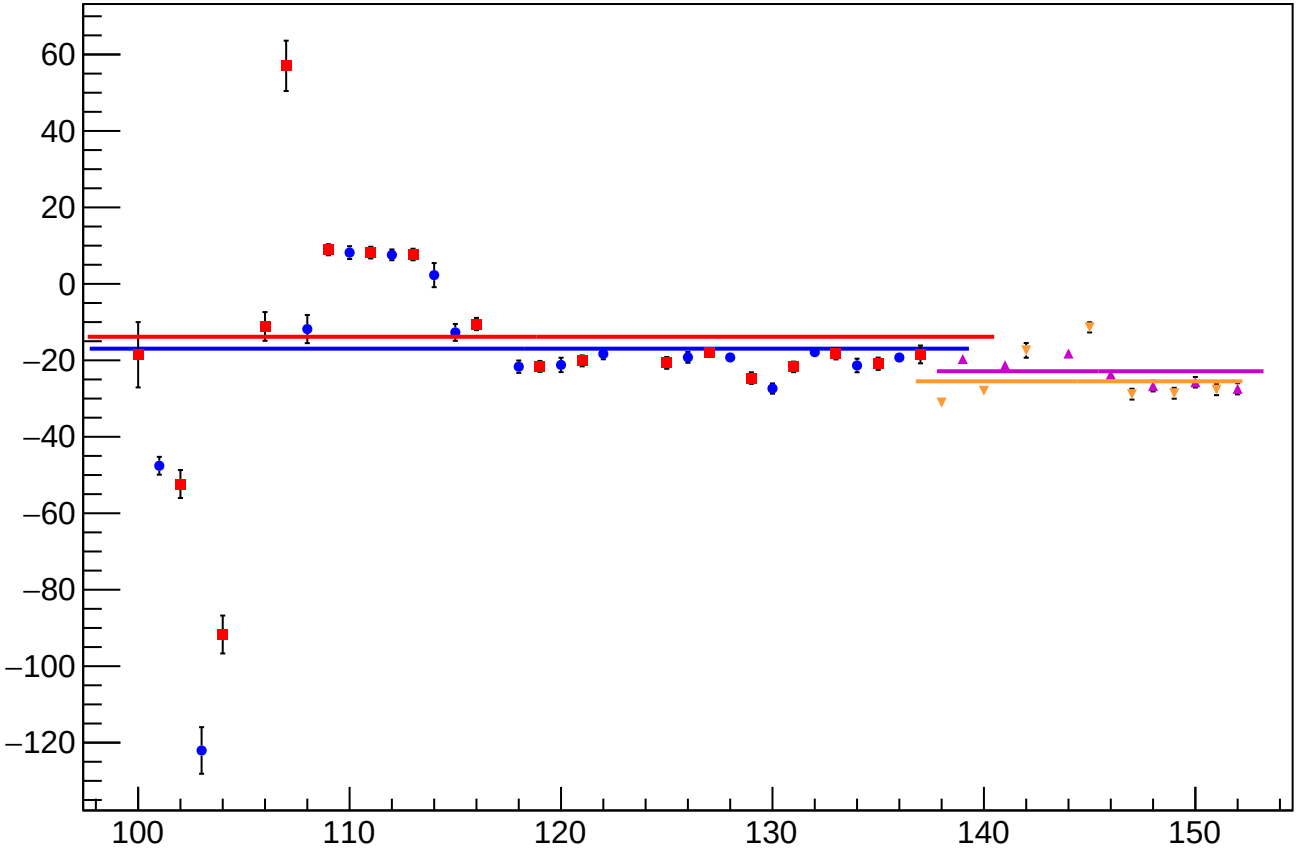
Left In: -35.089+/-0.029 χ^2/NDF:116268.1/6

+ sign -29.460+/-0.024 χ^2/NDF: 910703.1/22

All: -29.929+/-0.017 χ^2/NDF: 1650788.0/47

- sign -30.377+/-0.023 χ^2/NDF: 739315.3/24

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -25.483+/-0.515 χ^2/NDF:168.5/6

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

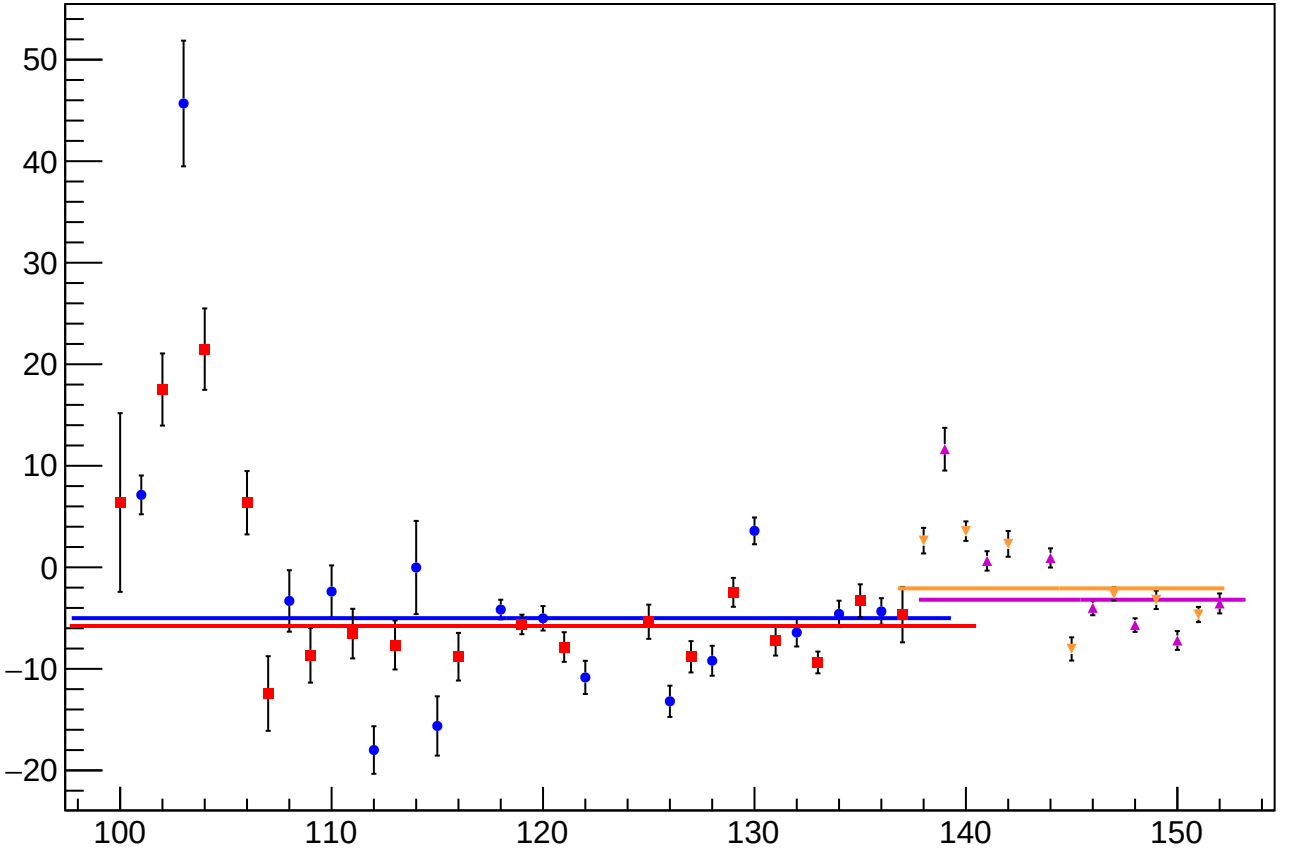
Left In: -22.853+/-0.498 χ^2/NDF:44.2/6

+ sign -20.200+/-0.318 χ^2/NDF: 1466.8/22

All: -18.829+/-0.224 χ^2/NDF: 3077.0/47

- sign -17.473+/-0.316 χ^2/NDF: 1573.2/24

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.071+/-0.344 χ^2/NDF:101.5/6

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

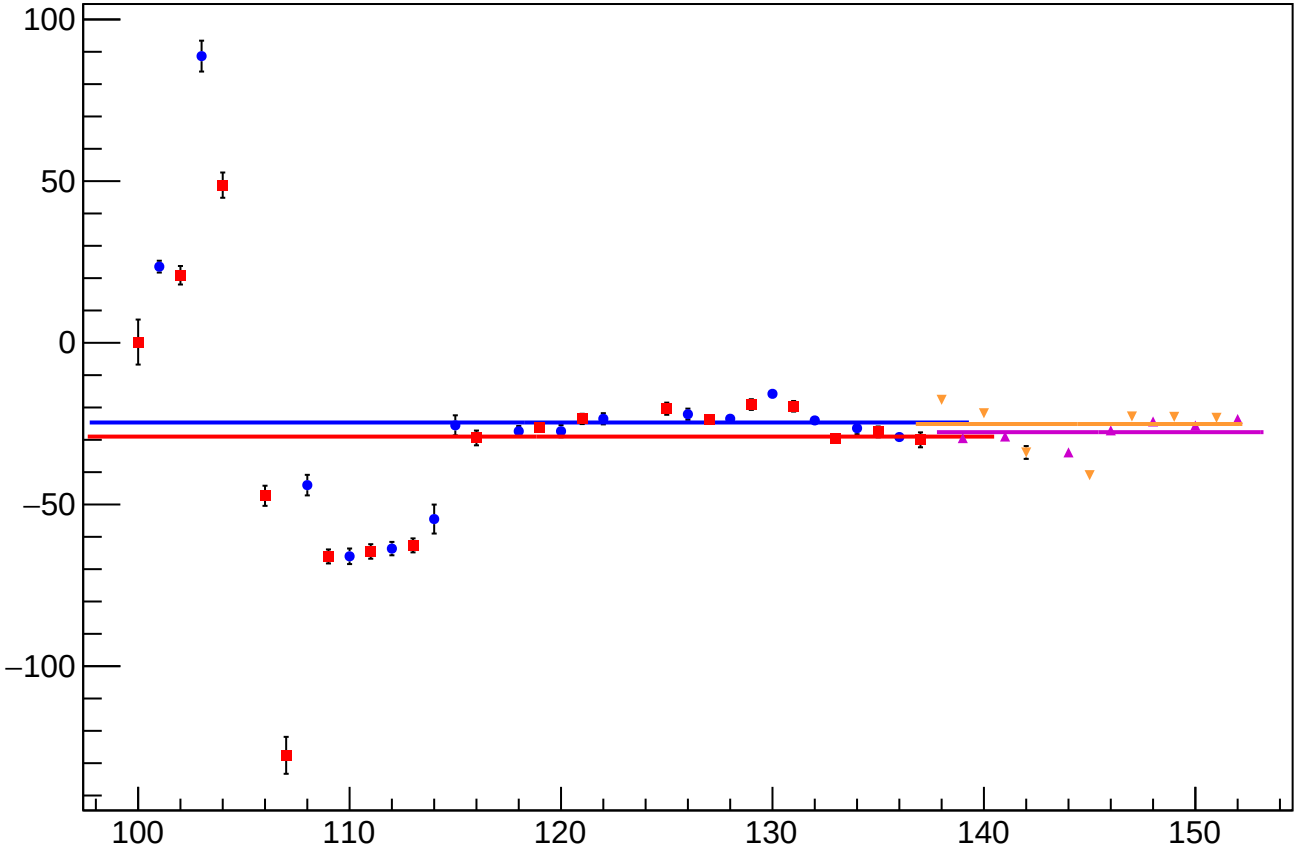
Left In: -3.192+/-0.338 χ^2/NDF:118.5/6

+ sign -3.314+/-0.261 χ^2/NDF: 380.1/22

All: -3.758+/-0.185 χ^2/NDF: 666.8/47

- sign -4.211+/-0.263 χ^2/NDF: 280.9/24

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -25.107+/-0.511 χ^2/NDF:206.1/6

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

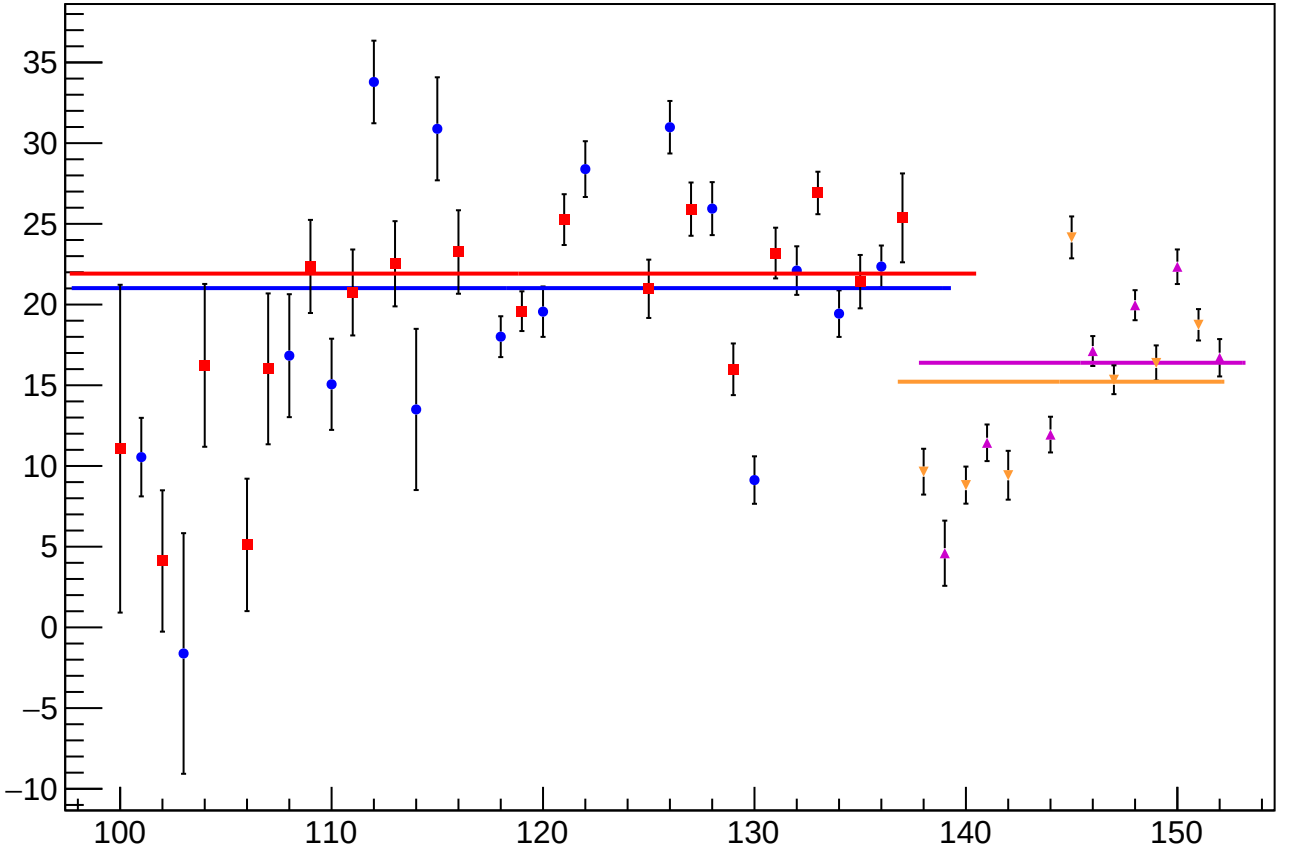
Left In: -27.632+/-0.490 χ^2/NDF:43.4/6

+ sign -24.847+/-0.340 χ^2/NDF: 2258.5/22

All: -26.585+/-0.241 χ^2/NDF: 4310.7/47

- sign -28.338+/-0.341 χ^2/NDF: 1999.7/24

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.221+/-0.429 χ^2/NDF:122.9/6

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

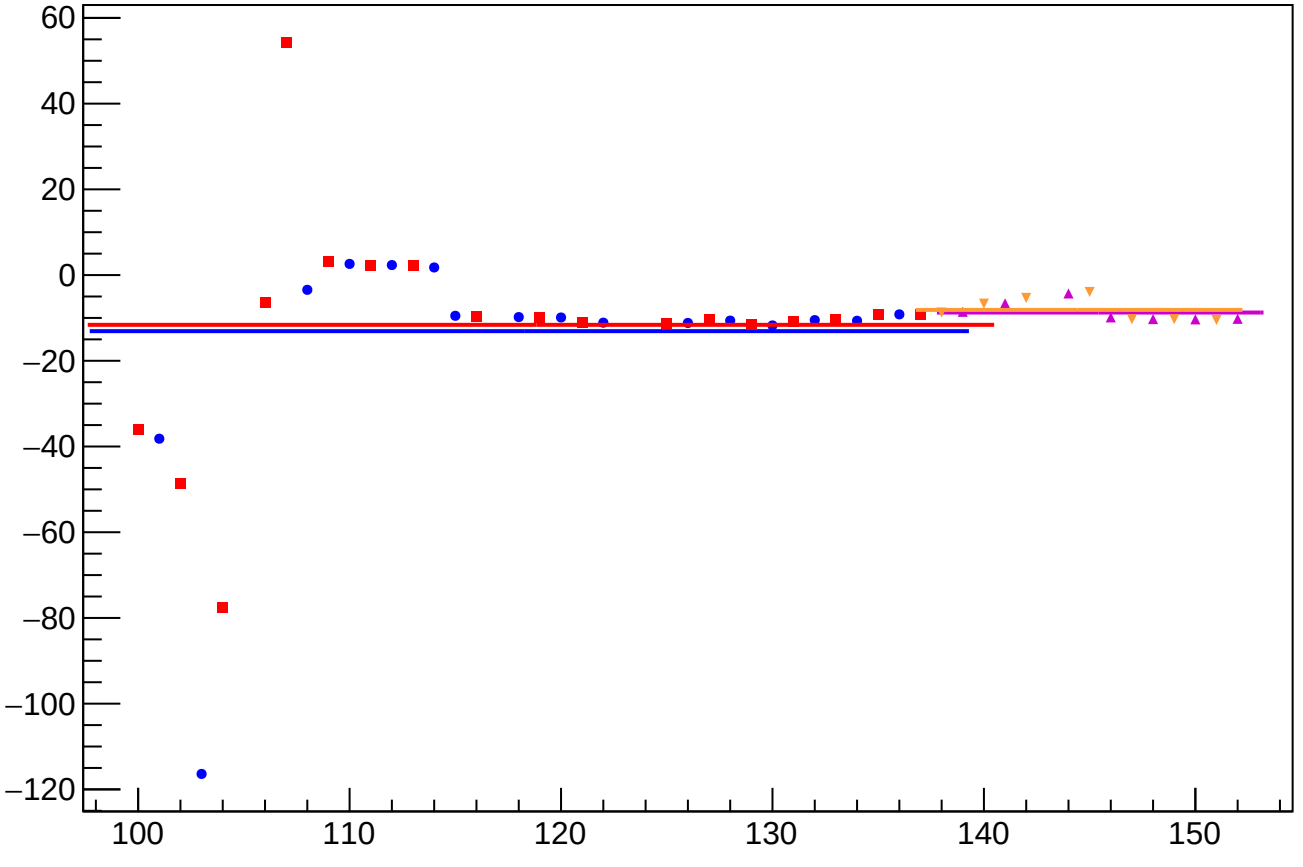
Left In: 16.394+/-0.416 χ^2/NDF:115.6/6

+ sign 17.927+/-0.313 χ^2/NDF: 417.9/22

All: 18.349+/-0.222 χ^2/NDF: 695.6/47

- sign 18.773+/-0.314 χ^2/NDF: 274.1/24

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.132+/-0.021 χ^2/NDF:13037.0/6

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

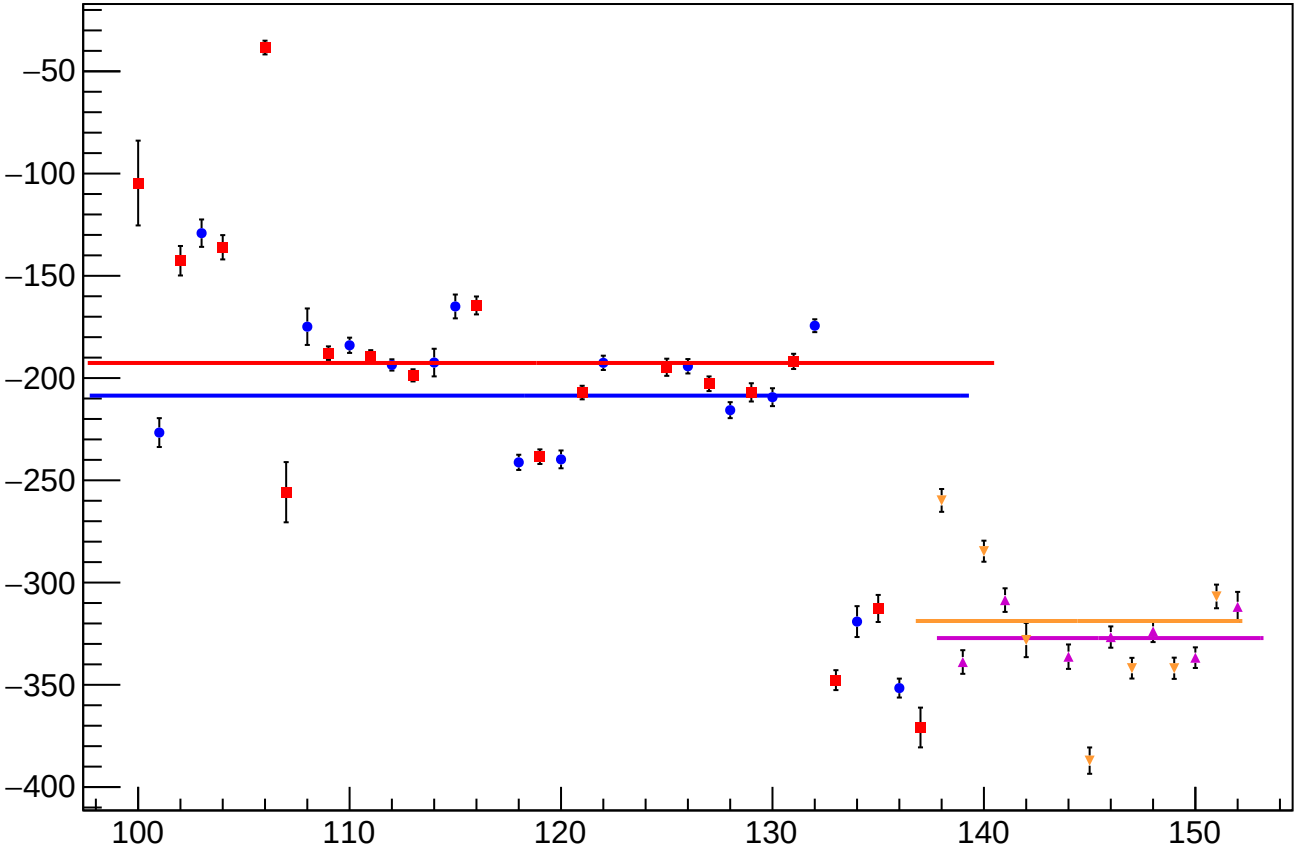
Left In: -8.740+/-0.019 χ^2/NDF:10352.2/6

+ sign -9.893+/-0.017 χ^2/NDF: 377576.8/22

All: -9.721+/-0.012 χ^2/NDF: 708486.1/47

- sign -9.558+/-0.016 χ^2/NDF: 330707.8/24

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -318.792+/-2.160 χ^2/NDF:314.1/6

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

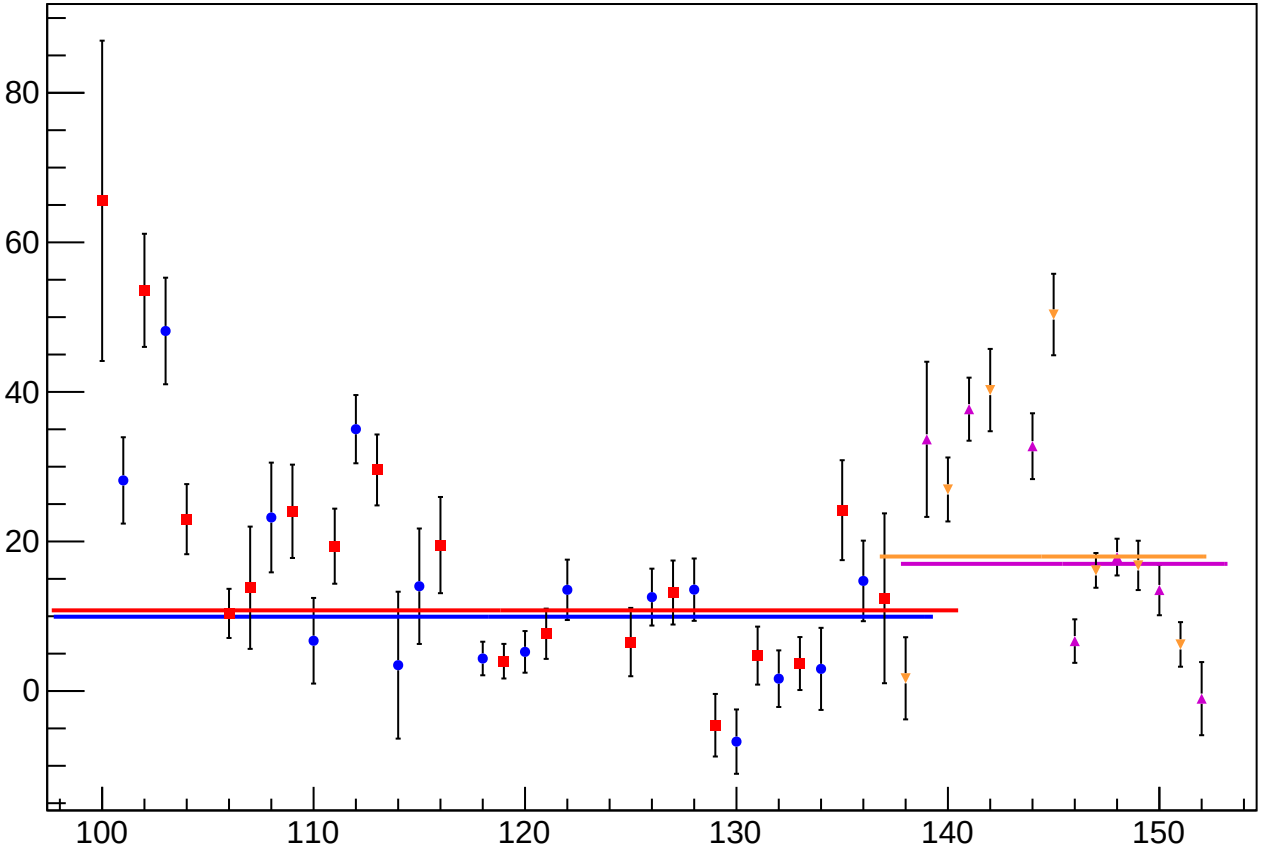
Left In: -327.144+/-2.134 χ^2/NDF:25.1/6

+ sign -230.180+/-0.956 χ^2/NDF: 4157.4/22

All: -223.117+/-0.657 χ^2/NDF: 11753.3/47

- sign -216.797+/-0.905 χ^2/NDF: 7492.6/24

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 17.987+/-1.356 χ^2/NDF:81.1/6

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

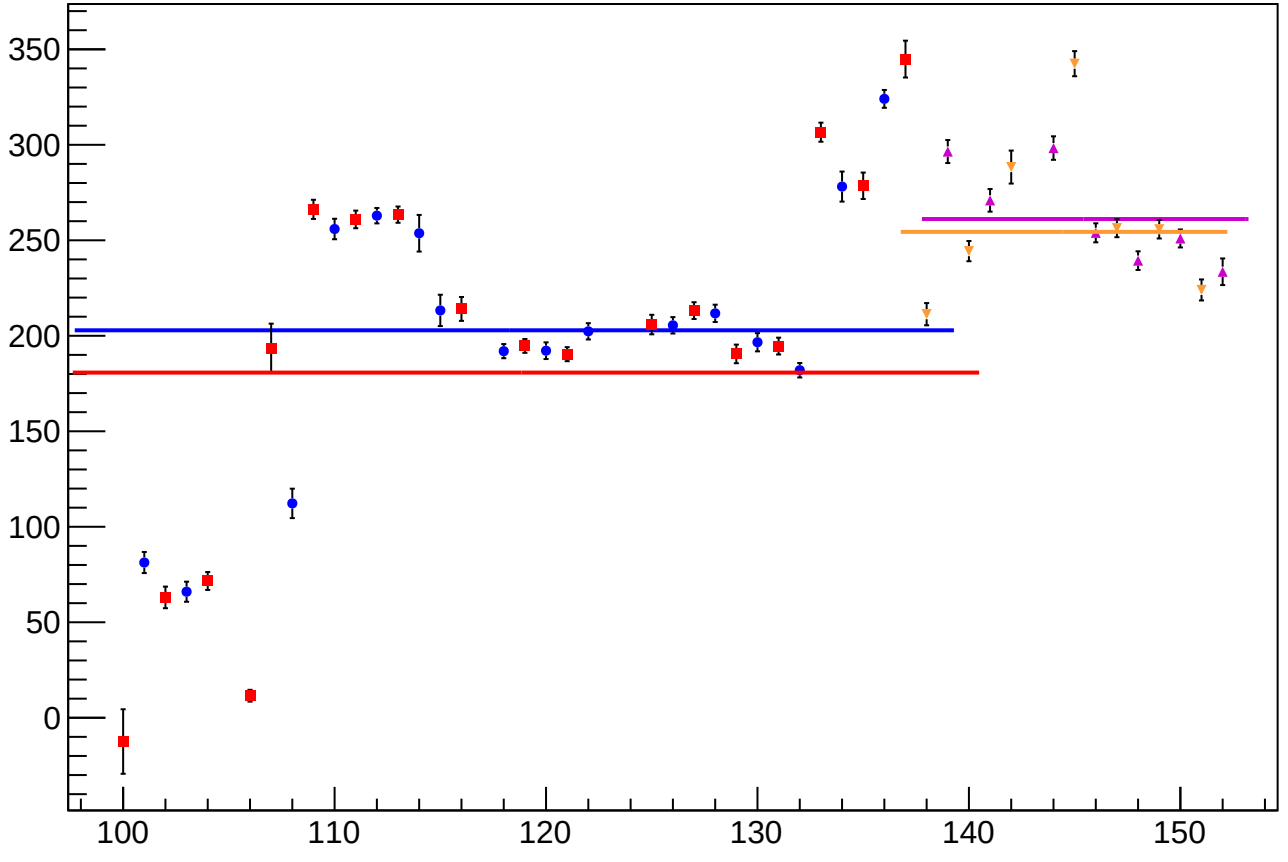
Left In: 17.007+/-1.373 χ^2/NDF:66.8/6

+ sign 13.011+/-0.838 χ^2/NDF: 209.5/22

All: 13.038+/-0.590 χ^2/NDF: 394.4/47

- sign 13.065+/-0.831 χ^2/NDF: 184.9/24

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 254.418+/-2.121 χ^2/NDF:284.2/6

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

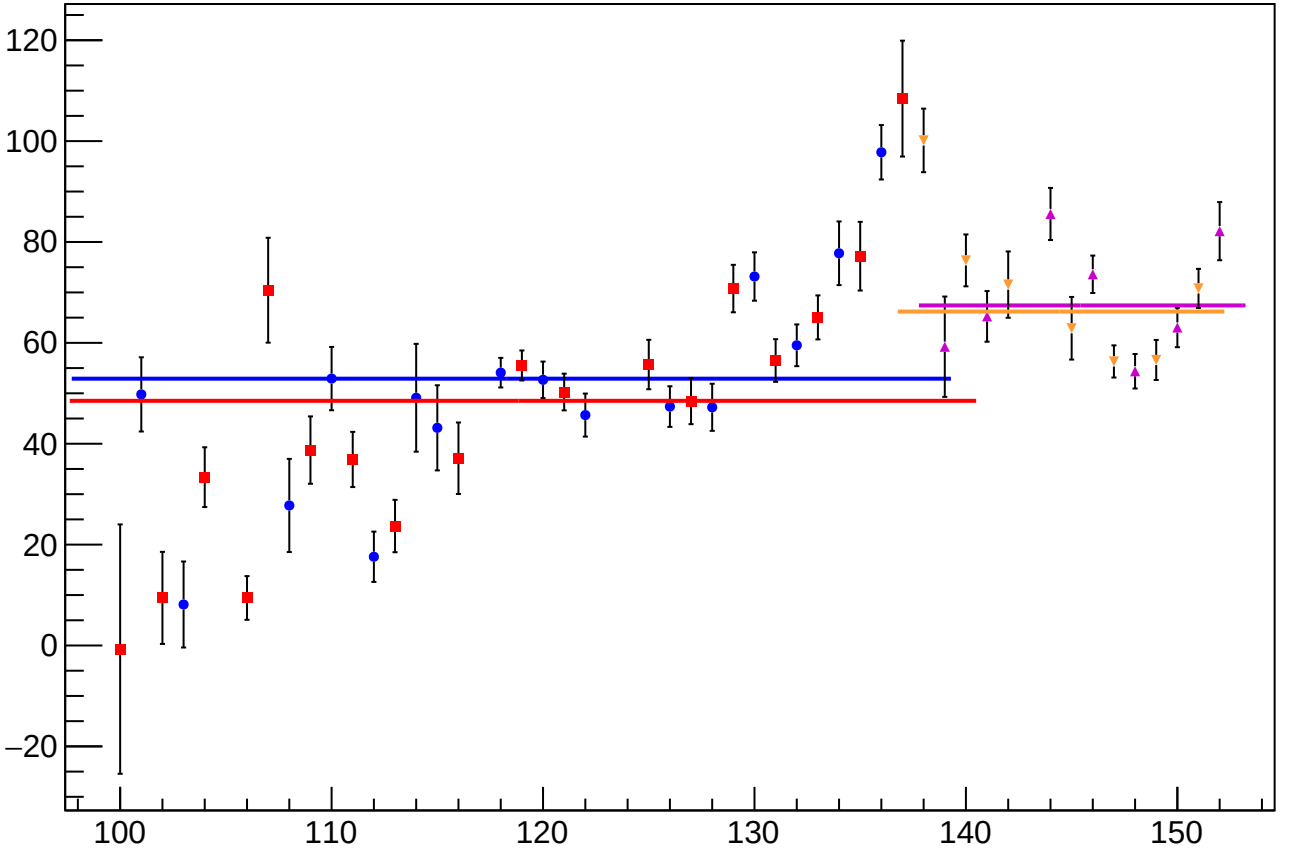
Left In: 261.142+/-2.083 χ^2/NDF:116.0/6

+ sign 215.775+/-1.061 χ^2/NDF: 3191.1/22

All: 207.096+/-0.729 χ^2/NDF: 10926.3/47

- sign 199.350+/-1.003 χ^2/NDF: 7608.6/24

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 66.206+/-1.714 χ^2/NDF:50.7/6

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

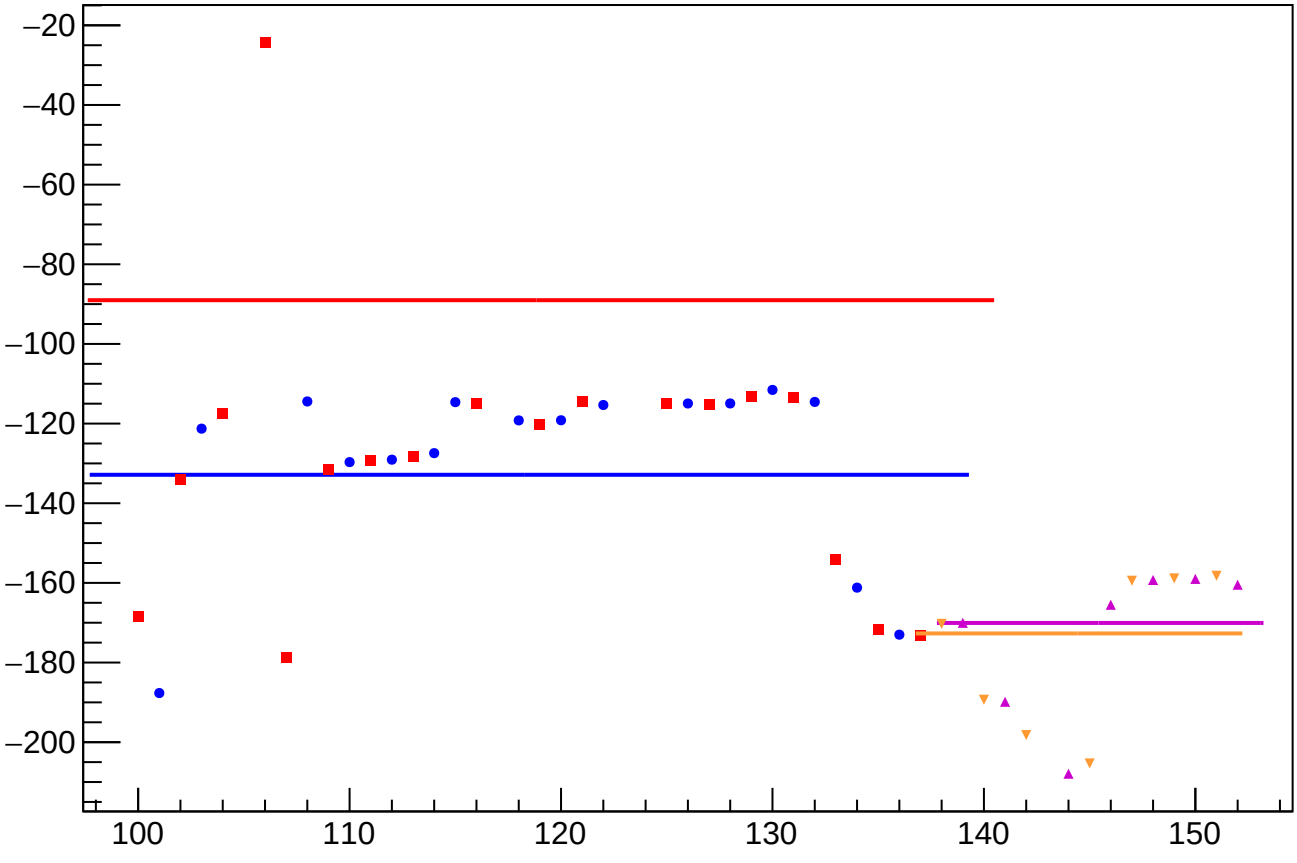
Left In: 67.422+/-1.712 χ^2/NDF:38.3/6

+ sign 57.479+/-1.005 χ^2/NDF: 288.5/22

All: 56.140+/-0.706 χ^2/NDF: 651.5/47

- sign 54.839+/-0.990 χ^2/NDF: 359.5/24

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -172.689+/-0.089 χ^2/NDF:38956.7/6

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

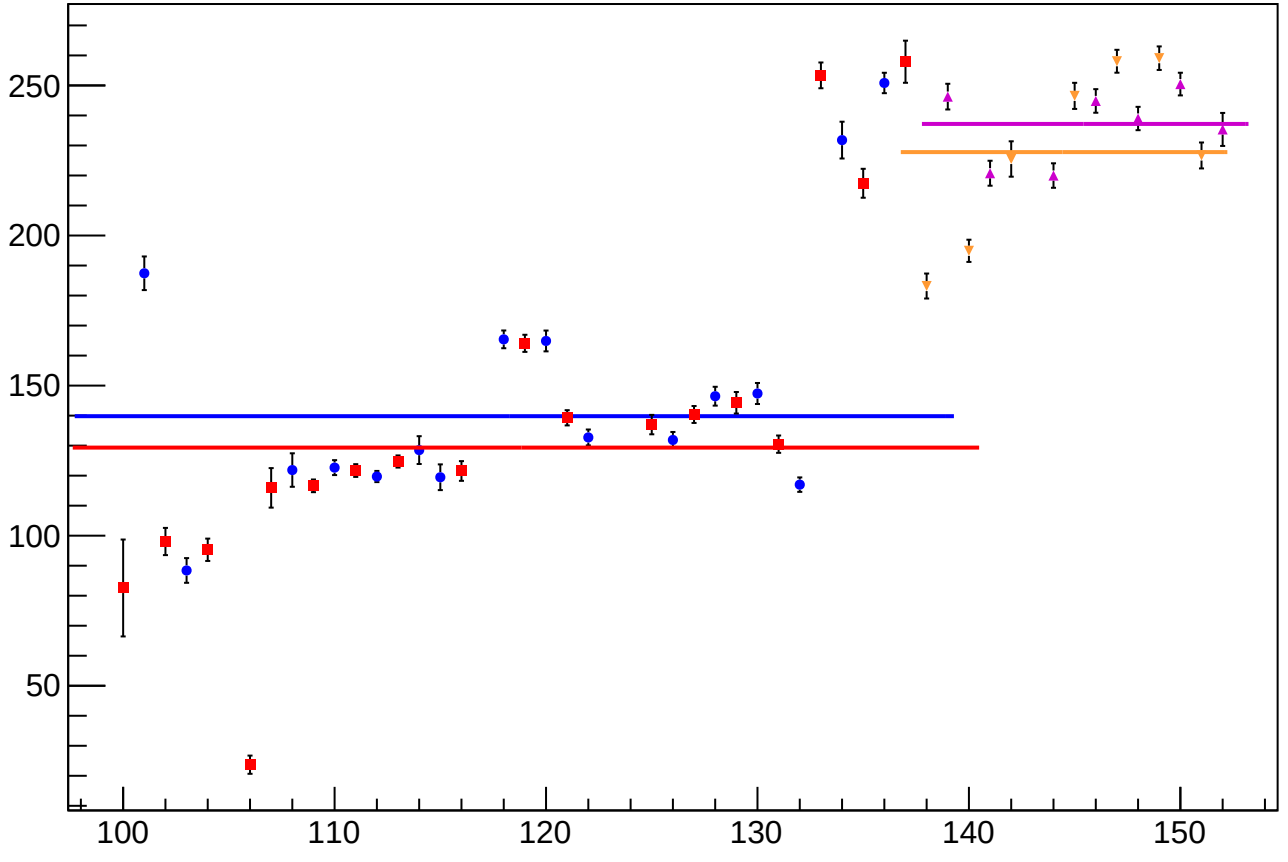
Left In: -170.055+/-0.084 χ^2/NDF:33724.0/6

+ sign -151.028+/-0.060 χ^2/NDF: 241824.8/22

All: -132.412+/-0.039 χ^2/NDF: 1759210.5/47

- sign -118.991+/-0.051 χ^2/NDF: 1351680.6/24

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 227.794+/-1.582 χ^2/NDF:339.3/6

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

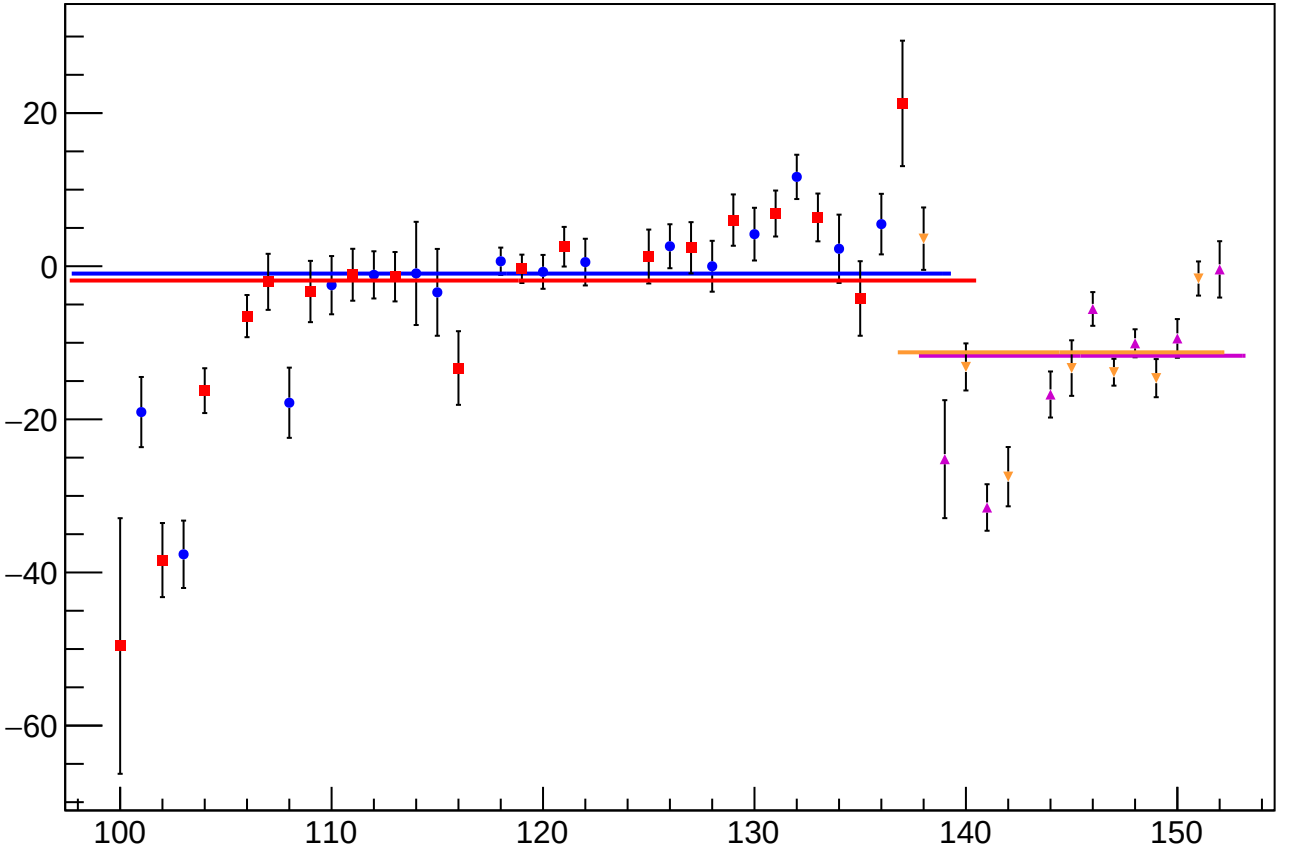
Left In: 237.177+/-1.568 χ^2/NDF:54.4/6

+ sign 157.182+/-0.703 χ^2/NDF: 4787.4/22

All: 152.723+/-0.483 χ^2/NDF: 11919.3/47

- sign 148.731+/-0.665 χ^2/NDF: 7055.6/24

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -11.247+/-1.002 χ^2/NDF:54.3/6

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

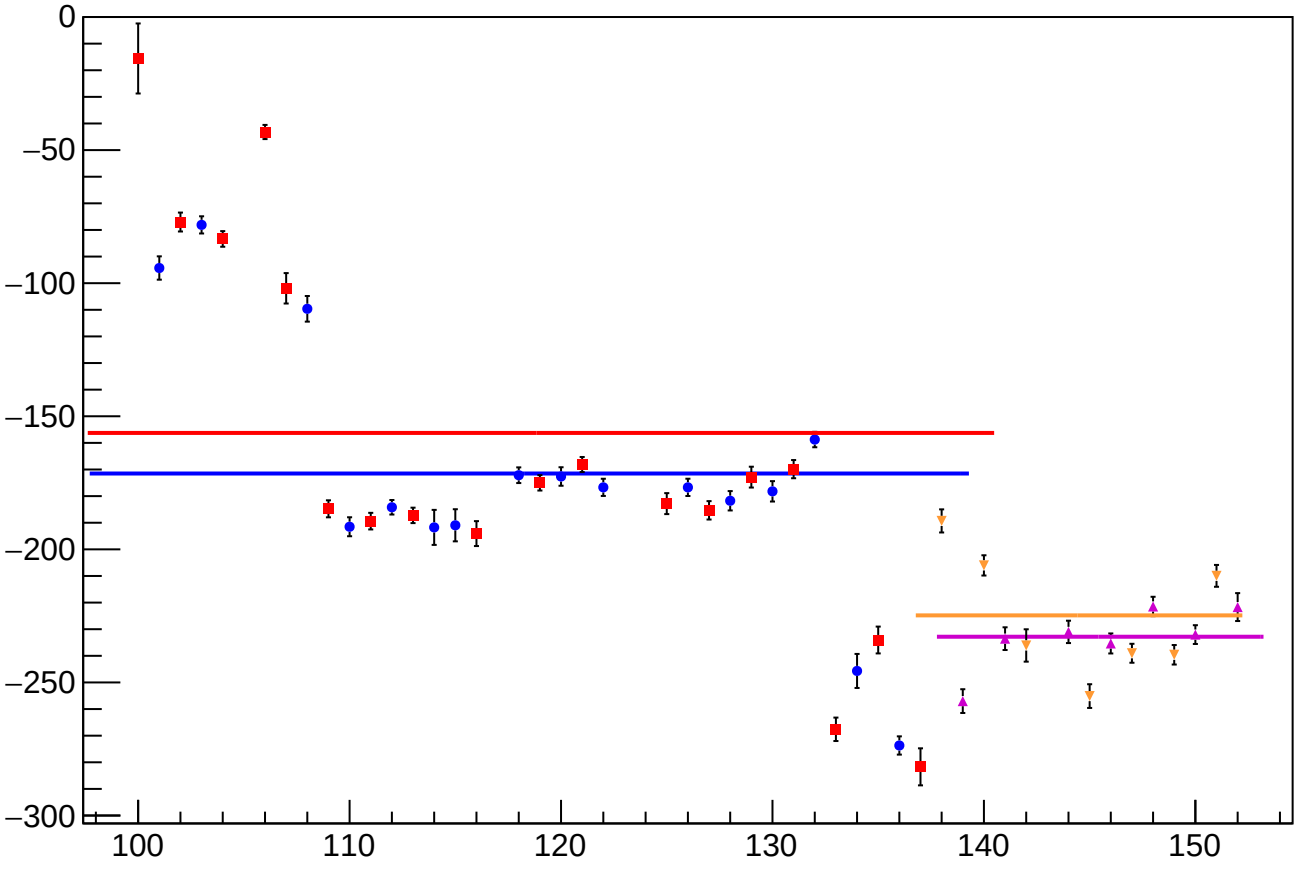
Left In: -11.694+/-1.015 χ^2/NDF:67.2/6

+ sign -5.018+/-0.629 χ^2/NDF: 244.2/22

All: -5.282+/-0.442 χ^2/NDF: 503.6/47

- sign -5.538+/-0.620 χ^2/NDF: 259.0/24

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -224.804+/-1.557 χ^2/NDF:186.4/6

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

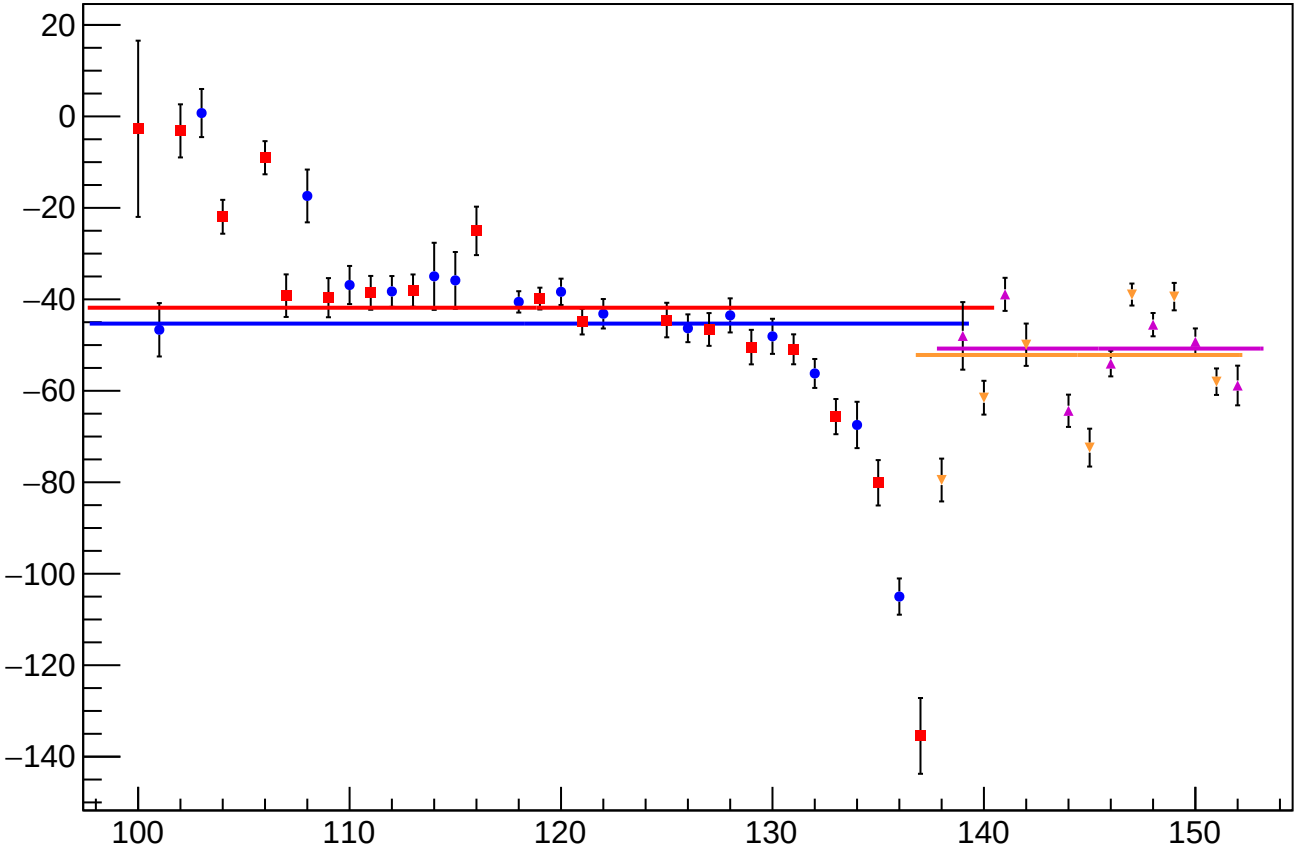
Left In: -232.828+/-1.534 χ^2/NDF:44.4/6

+ sign -185.003+/-0.784 χ^2/NDF: 3504.0/22

All: -179.282+/-0.539 χ^2/NDF: 10462.3/47

- sign -174.157+/-0.742 χ^2/NDF: 6857.3/24

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -52.165+/-1.263 χ^2/NDF:117.0/6

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

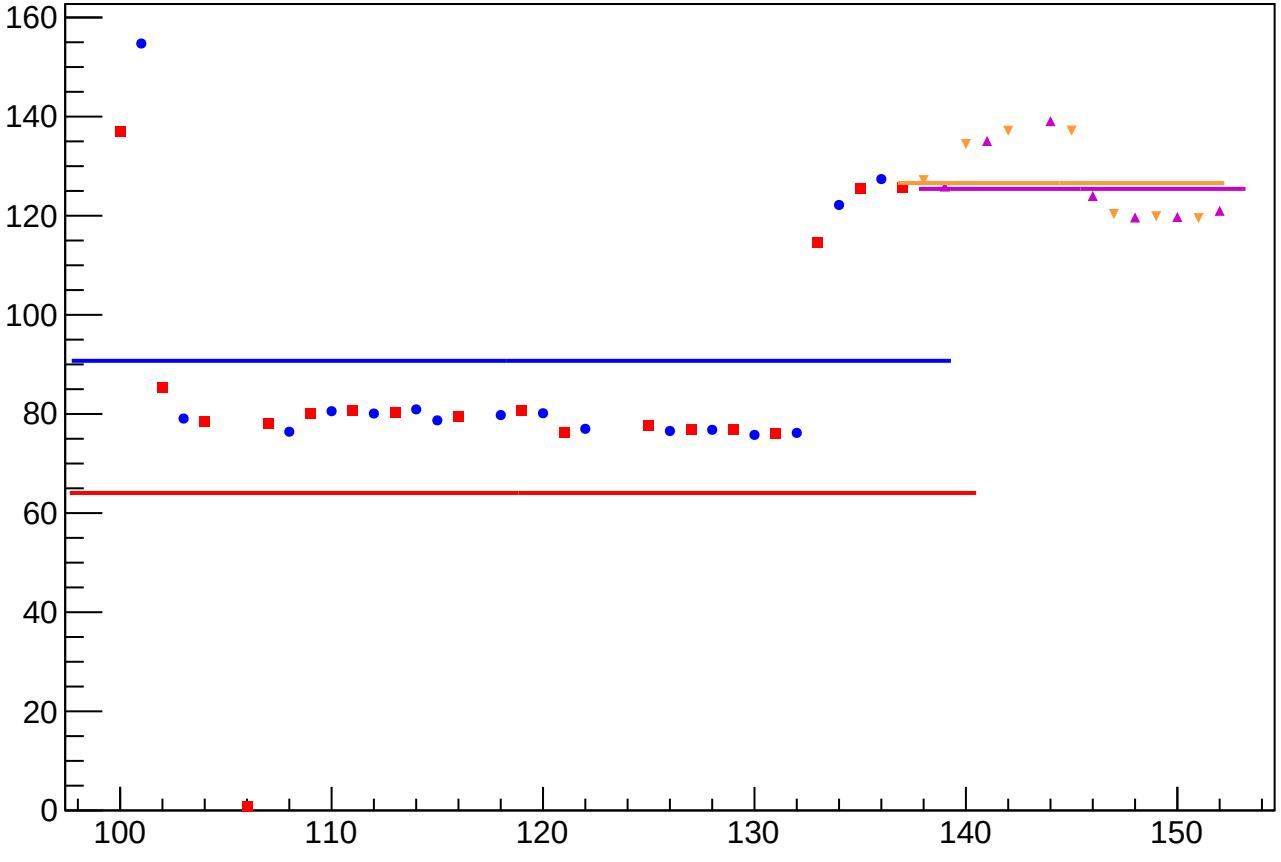
Left In: -50.766+/-1.263 χ^2/NDF:35.0/6

+ sign -47.743+/-0.753 χ^2/NDF: 518.1/22

All: -46.283+/-0.527 χ^2/NDF: 1007.7/47

- sign -44.881+/-0.738 χ^2/NDF: 482.2/24

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 126.591+/-0.065 χ^2/NDF:12882.5/6

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

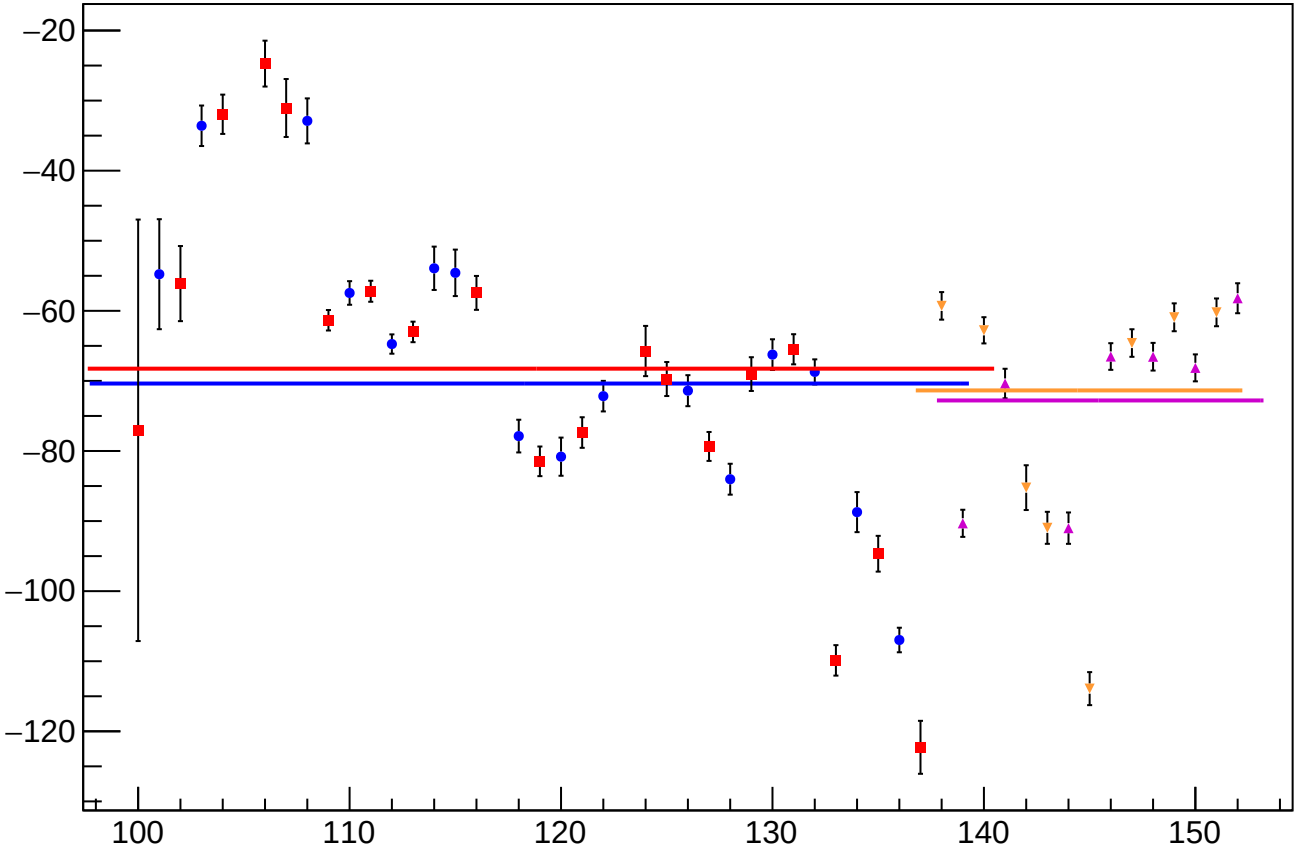
Left In: 125.415+/-0.062 χ^2/NDF:12083.7/6

+ sign 106.721+/-0.044 χ^2/NDF: 341757.1/22

All: 96.178+/-0.029 χ^2/NDF: 1721737.8/47

- sign 87.915+/-0.039 χ^2/NDF: 1275359.8/24

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -71.357+/-0.750 χ^2/NDF:548.4/7

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

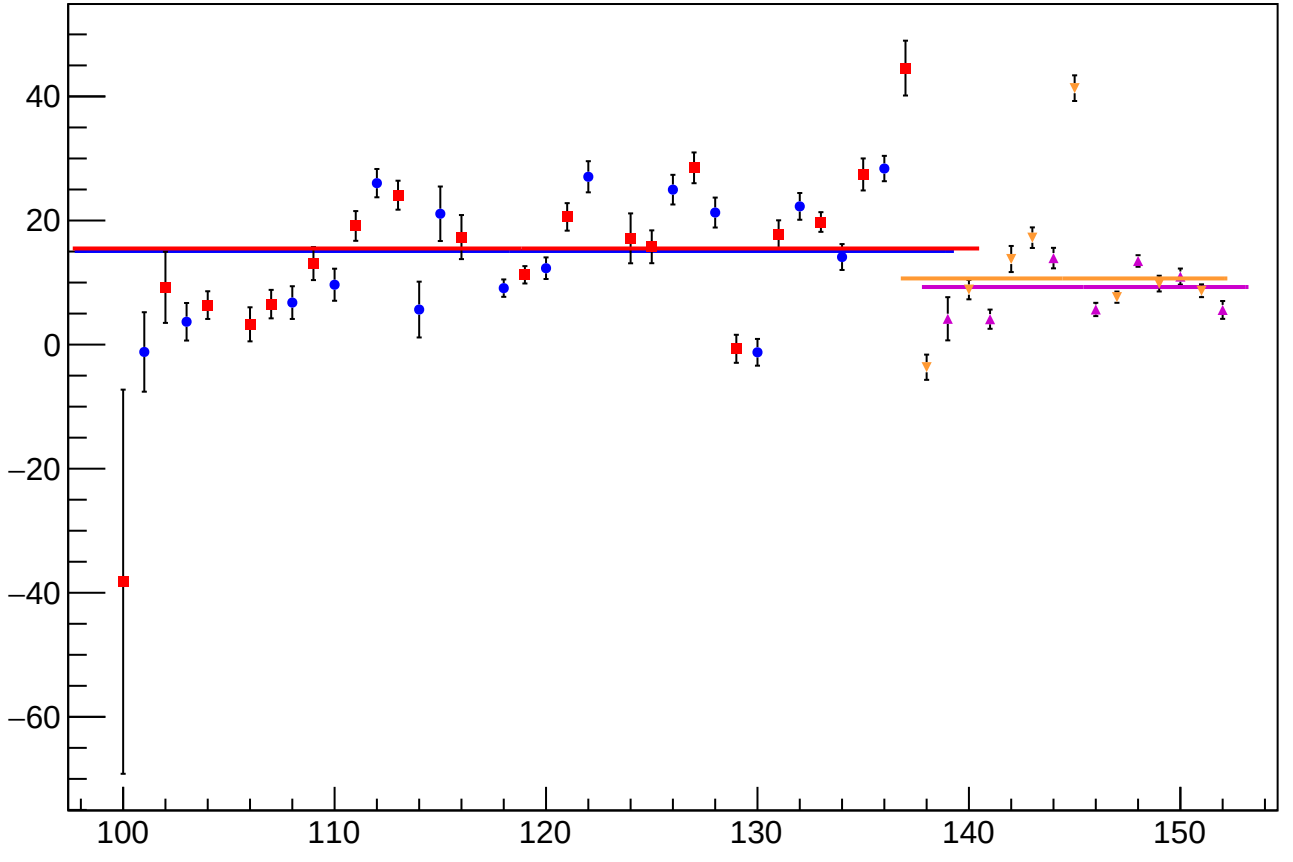
Left In: -72.788+/-0.764 χ^2/NDF:222.8/6

+ sign -70.724+/-0.447 χ^2/NDF: 1524.4/23

All: -70.203+/-0.311 χ^2/NDF: 3079.8/49

- sign -69.713+/-0.434 χ^2/NDF: 1552.7/25

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 10.663+/-0.485 χ^2/NDF:303.7/7

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

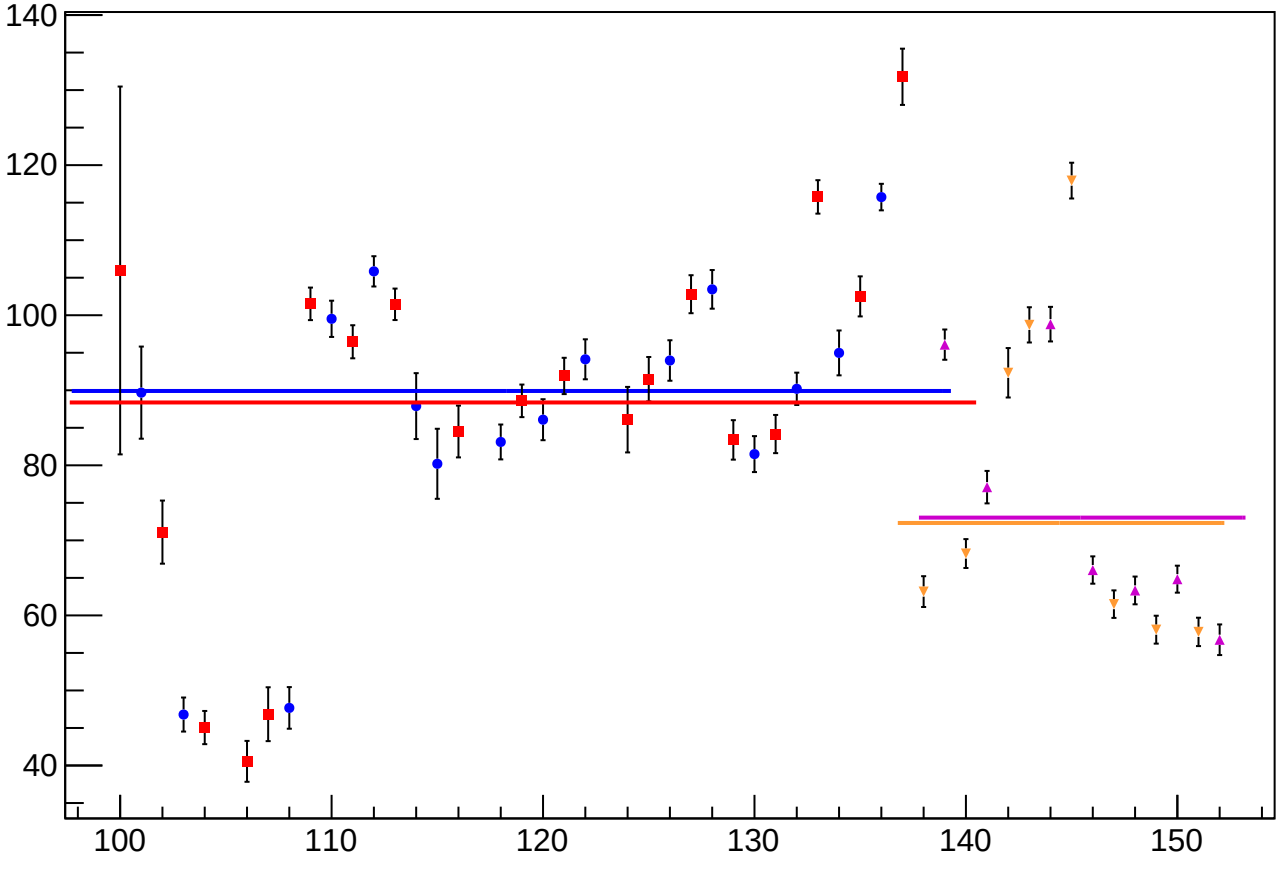
Left In: 9.281+/-0.502 χ^2/NDF:61.3/6

+ sign 12.481+/-0.372 χ^2/NDF: 580.4/23

All: 12.269+/-0.264 χ^2/NDF: 950.2/49

- sign 12.056+/-0.373 χ^2/NDF: 369.1/25

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 72.319+/-0.741 χ^2/NDF:706.1/7

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

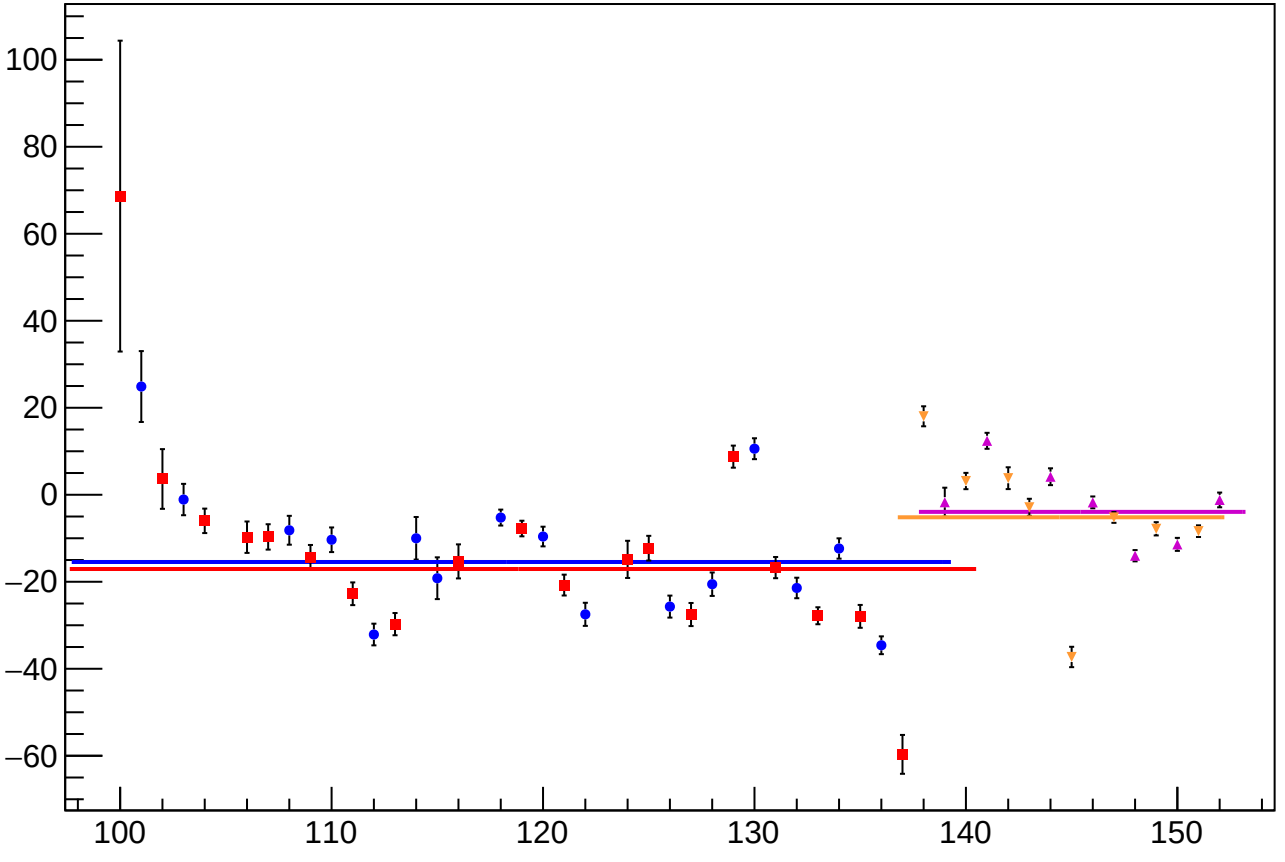
Left In: 73.031+/-0.747 χ^2/NDF:385.9/6

+ sign 82.378+/-0.485 χ^2/NDF: 1976.4/23

All: 82.261+/-0.340 χ^2/NDF: 3901.9/49

- sign 82.148+/-0.476 χ^2/NDF: 1925.4/25

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -5.177+/-0.607 χ^2/NDF:332.5/7

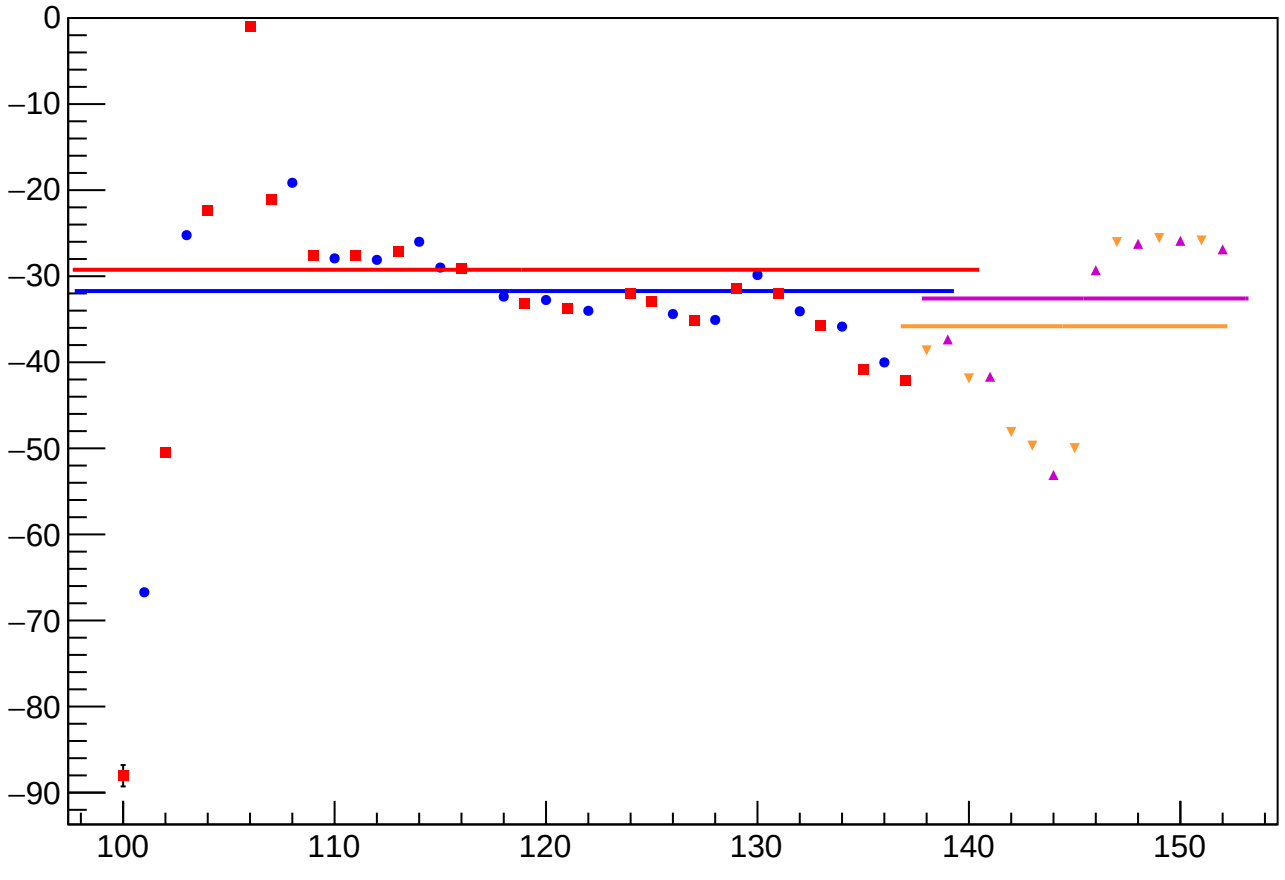
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -3.934+/-0.622 χ^2/NDF:187.5/6

\+ sign -9.847+/-0.449 χ^2/NDF: 849.2/23

All: -10.063+/-0.317 χ^2/NDF: 1613.3/49

\- sign -10.278+/-0.447 χ^2/NDF: 763.7/25



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -35.813+/-0.031 χ^2/NDF:107280.3/7

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

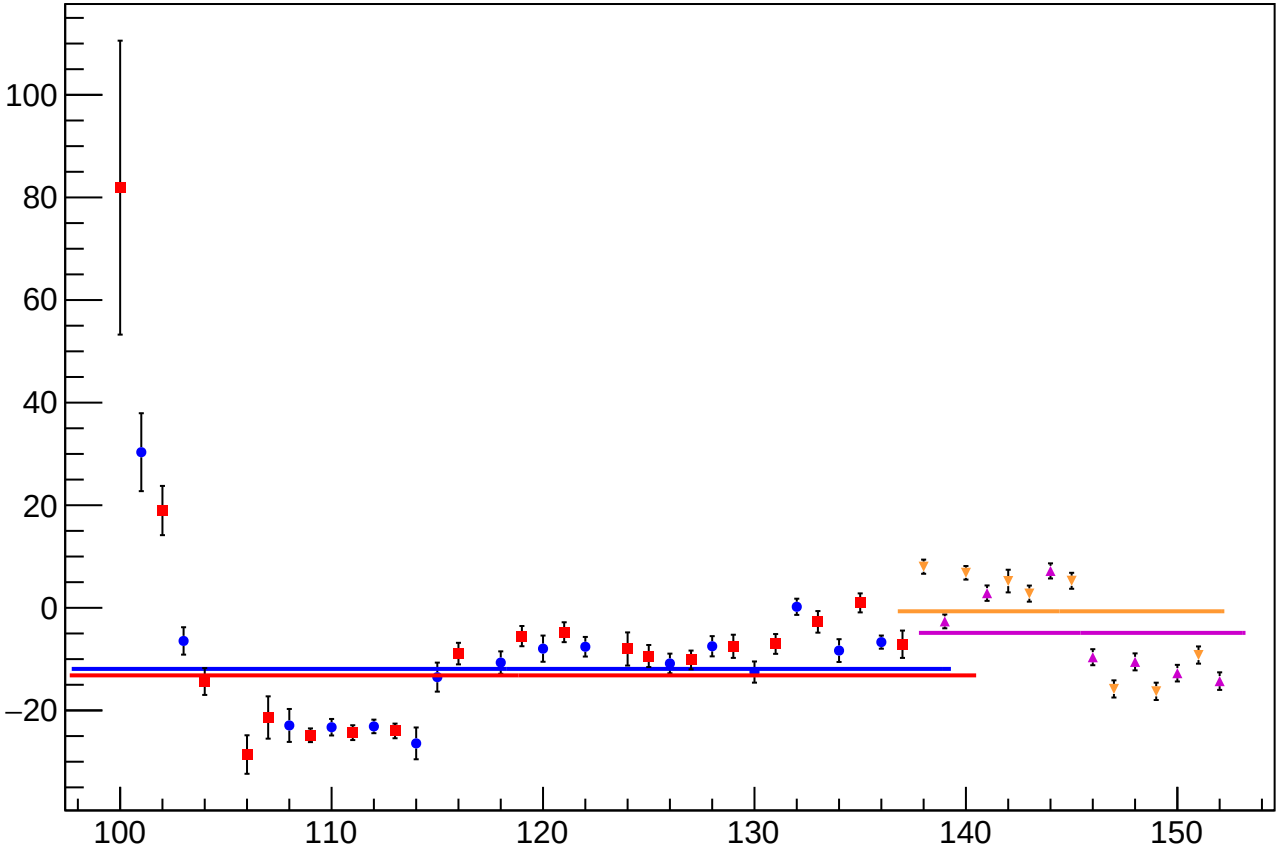
Left In: -32.589+/-0.030 χ^2/NDF:77938.2/6

+ sign -34.224+/-0.024 χ^2/NDF: 153805.4/23

All: -32.751+/-0.017 χ^2/NDF: 339072.4/49

- sign -31.340+/-0.024 χ^2/NDF: 177898.7/25

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -0.676+/-0.561 χ^2/NDF:291.4/7

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

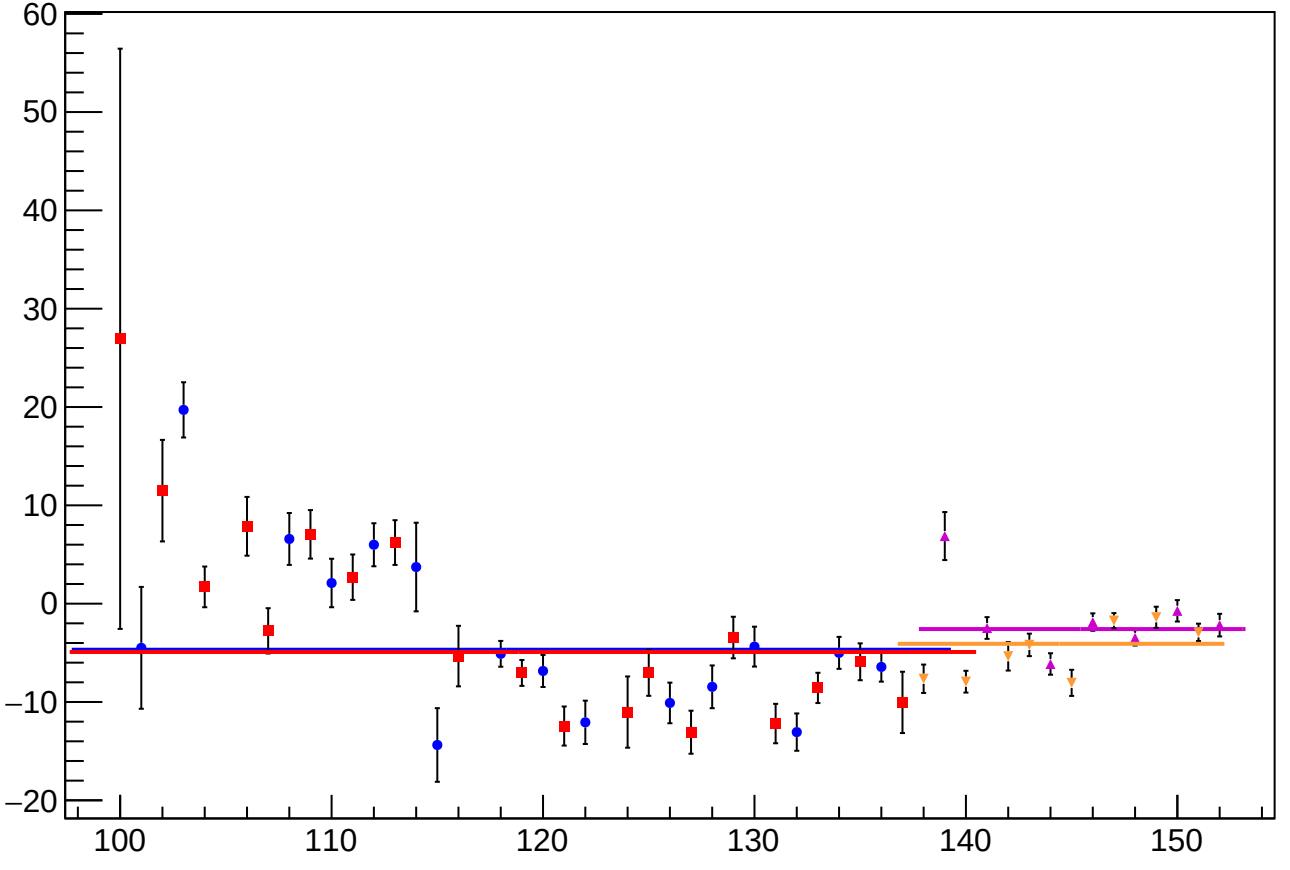
Left In: -4.884+/-0.582 χ^2/NDF:171.0/6

+ sign -6.966+/-0.372 χ^2/NDF: 798.3/23

All: -8.396+/-0.262 χ^2/NDF: 1540.9/49

- sign -9.816+/-0.370 χ^2/NDF: 713.1/25

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.082+/-0.380 χ^2/NDF:45.2/7

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

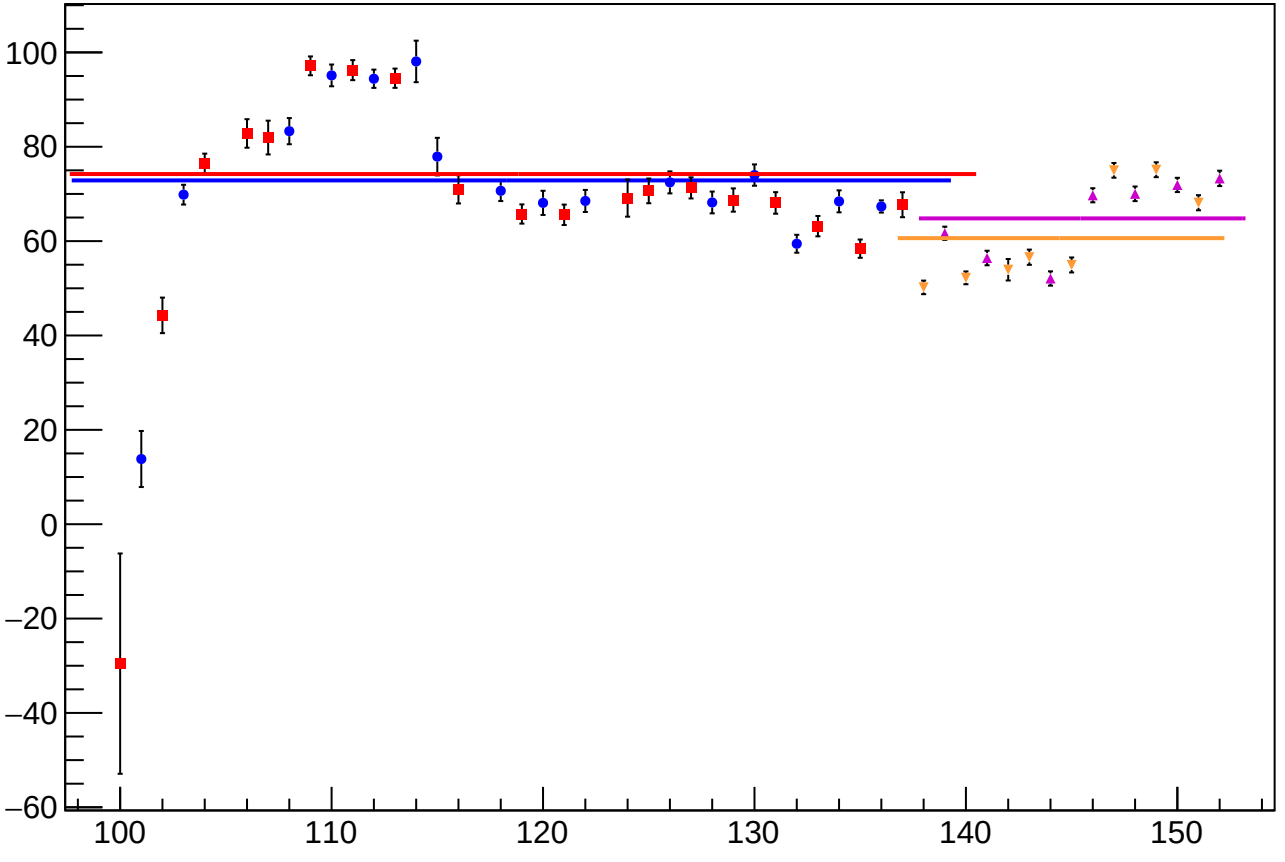
Left In: -2.584+/-0.397 χ^2/NDF:30.6/6

+ sign -4.294+/-0.306 χ^2/NDF: 225.1/23

All: -3.886+/-0.219 χ^2/NDF: 428.1/49

- sign -3.457+/-0.314 χ^2/NDF: 199.4/25

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 60.629+/-0.559 χ^2/NDF:309.7/7

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

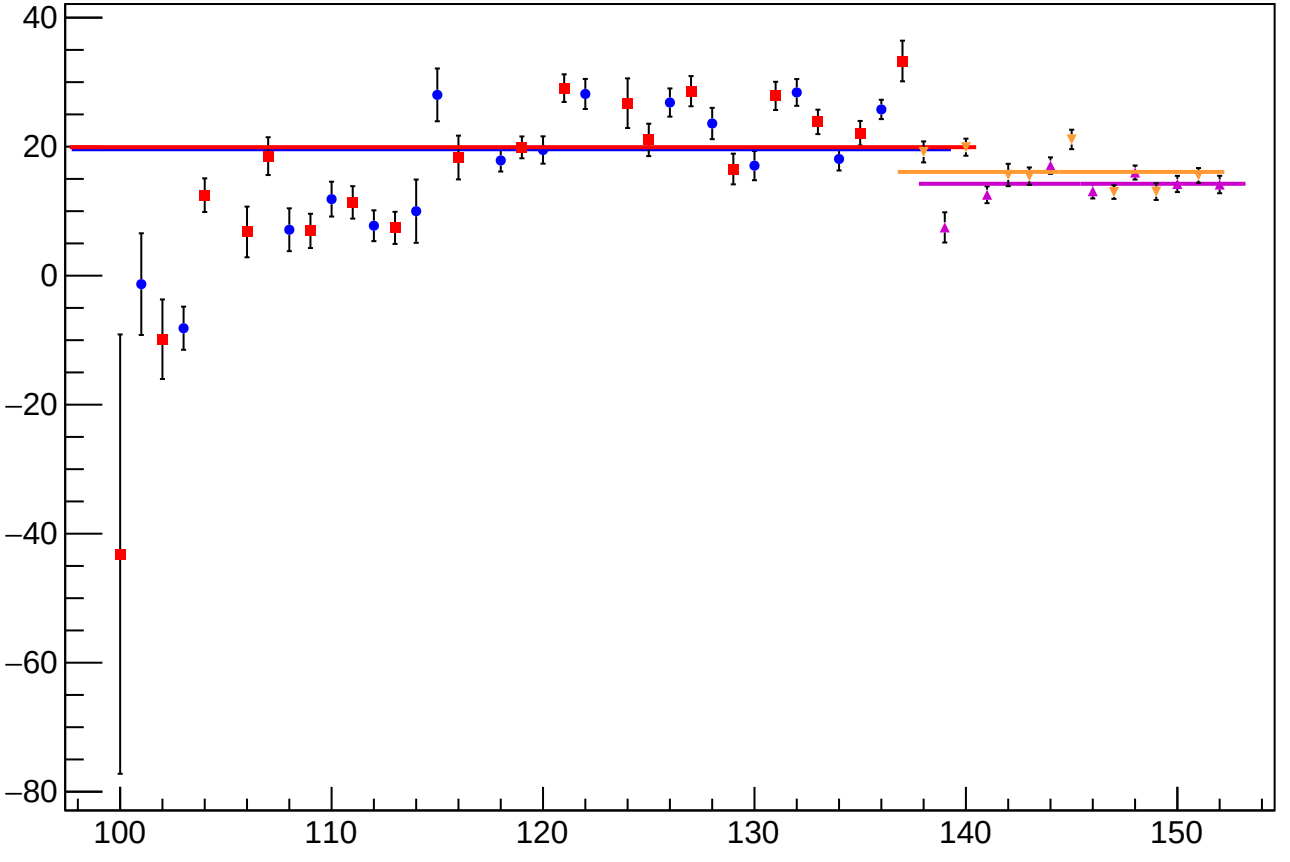
Left In: 64.814+/-0.574 χ^2/NDF:176.1/6

+ sign 66.682+/-0.398 χ^2/NDF: 997.1/23

All: 68.133+/-0.283 χ^2/NDF: 1923.2/49

- sign 69.613+/-0.402 χ^2/NDF: 899.3/25

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.086+/-0.470 χ^2/NDF:38.0/7

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

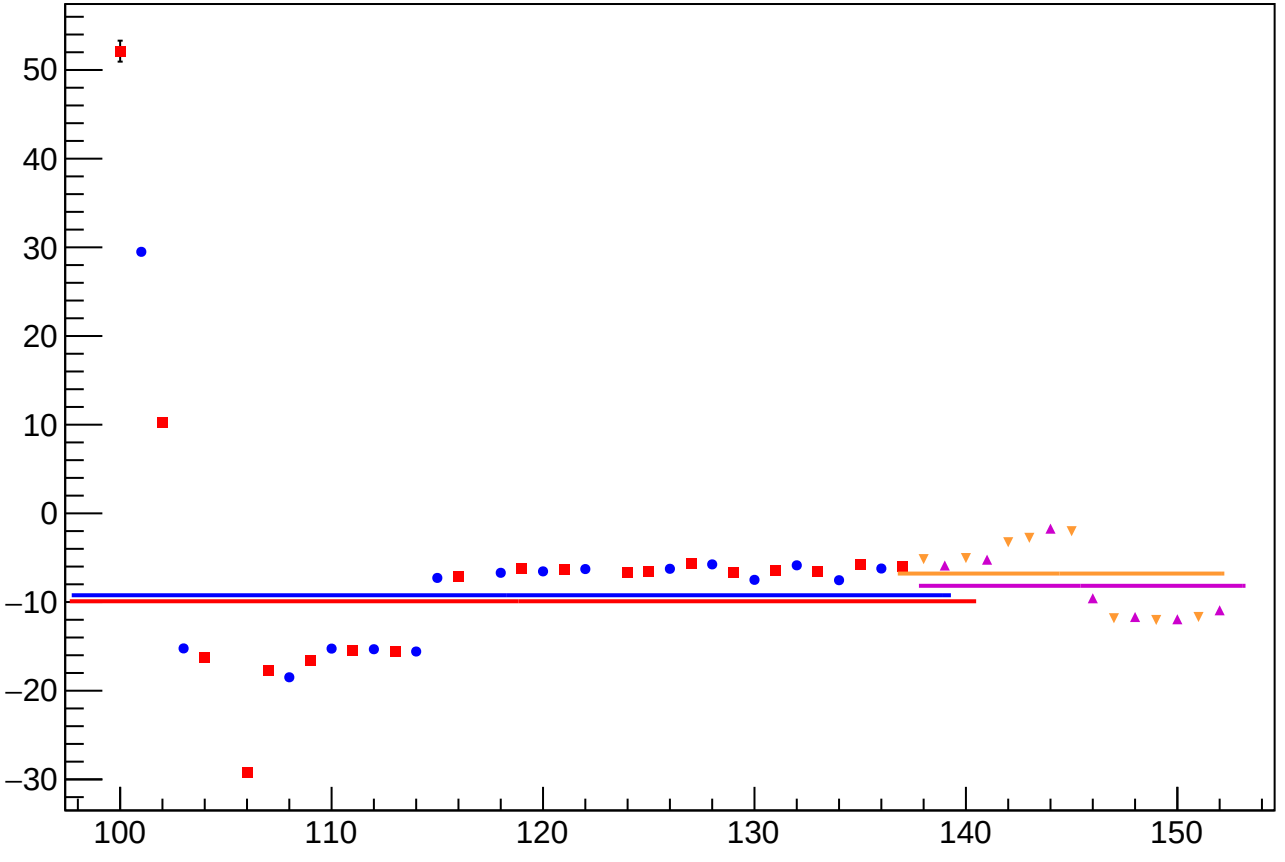
Left In: 14.245+/-0.489 χ^2/NDF:18.5/6

+ sign 17.463+/-0.366 χ^2/NDF: 255.9/23

All: 17.029+/-0.262 χ^2/NDF: 514.0/49

- sign 16.574+/-0.375 χ^2/NDF: 255.3/25

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -6.789+/-0.023 χ^2/NDF:30216.4/7

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

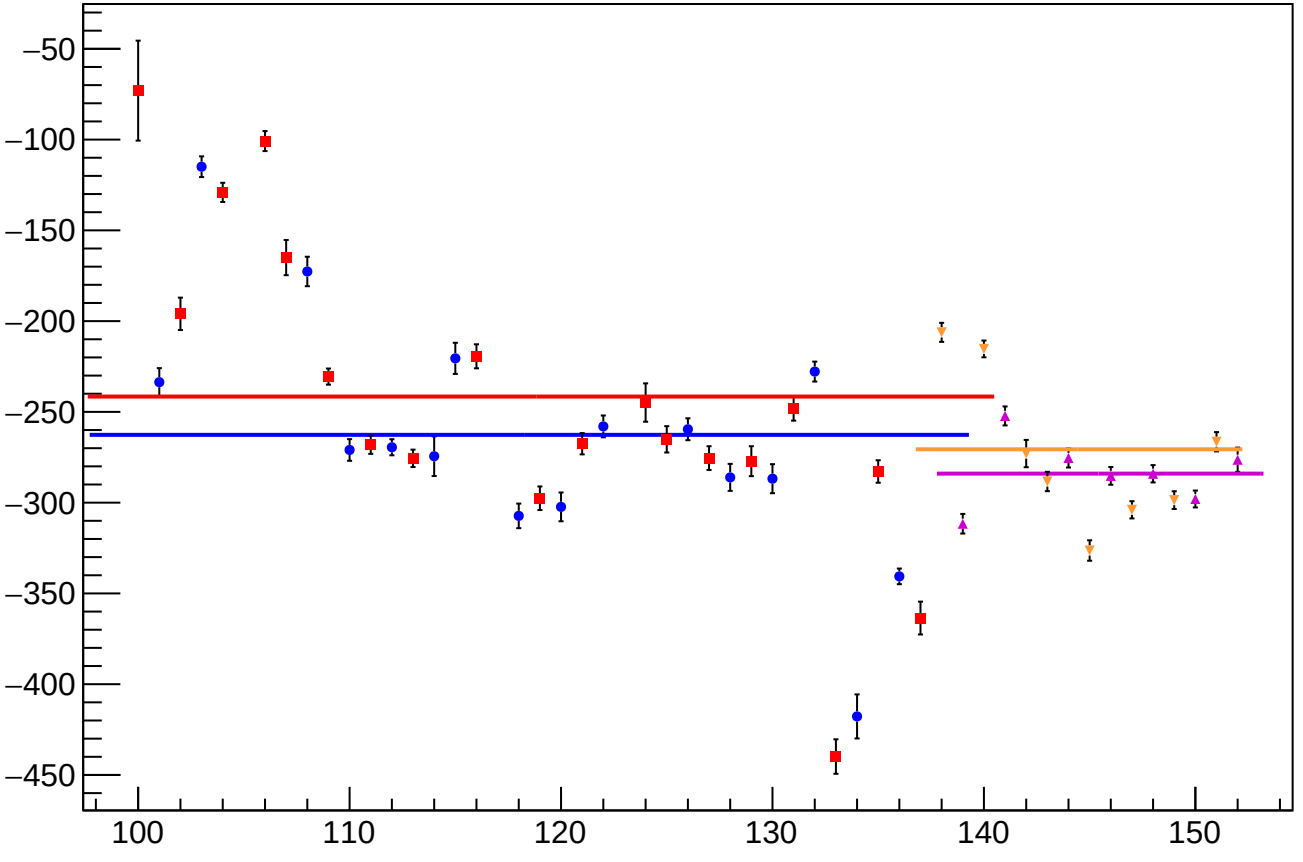
Left In: -8.169+/-0.023 χ^2/NDF:22959.2/6

+ sign -7.599+/-0.019 χ^2/NDF: 65083.8/23

All: -8.147+/-0.013 χ^2/NDF: 145376.3/49

- sign -8.701+/-0.019 χ^2/NDF: 78604.1/25

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -270.607+/-1.858 χ^2/NDF:486.5/7

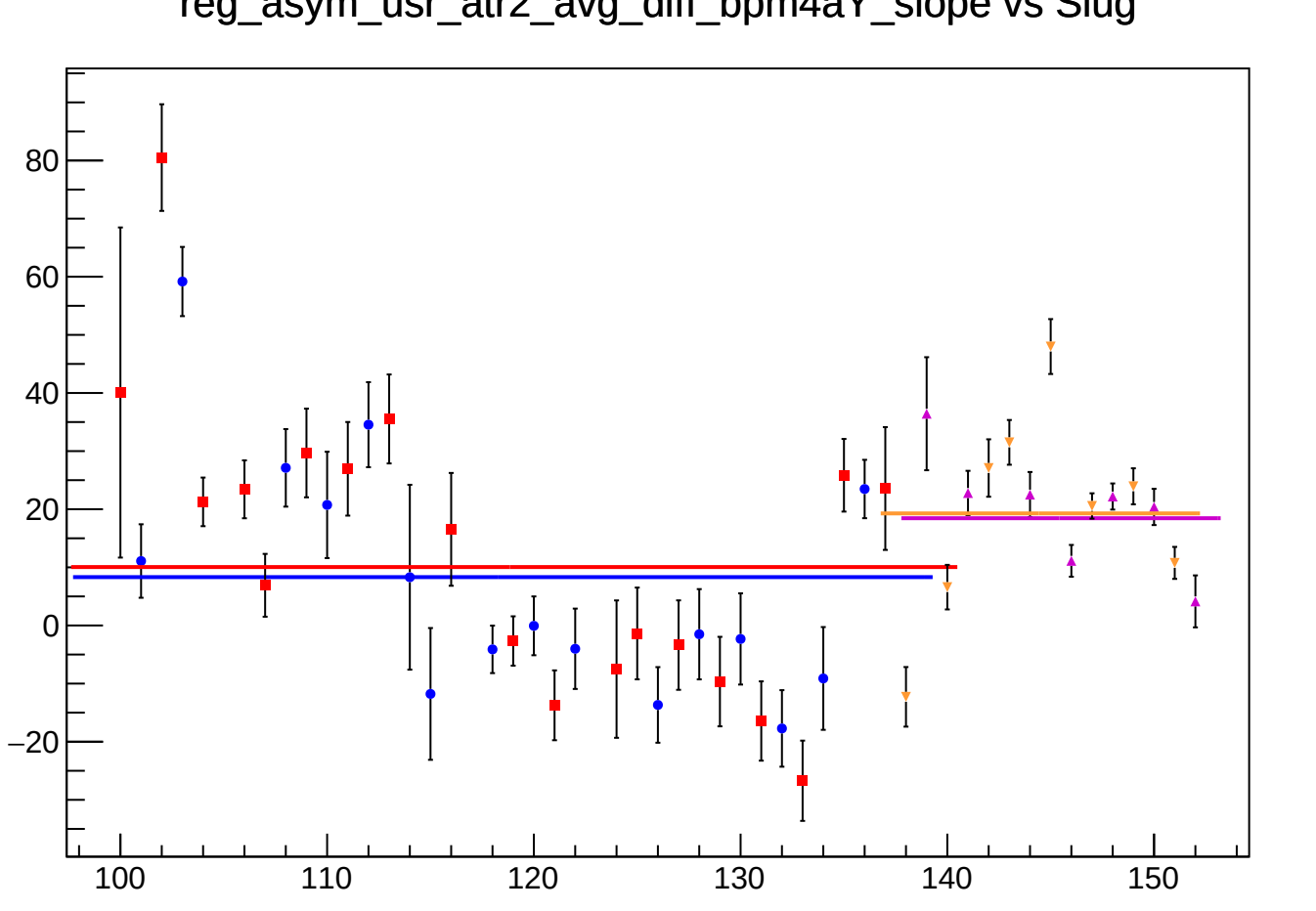
Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -284.006+/-1.958 χ^2/NDF:76.2/6

+ sign -266.068+/-1.218 χ^2/NDF: 1951.2/23

All: -261.612+/-0.853 χ^2/NDF: 4487.7/49

- sign -257.335+/-1.194 χ^2/NDF: 2510.2/25



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 19.281+/-1.190 χ^2/NDF:110.5/7

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

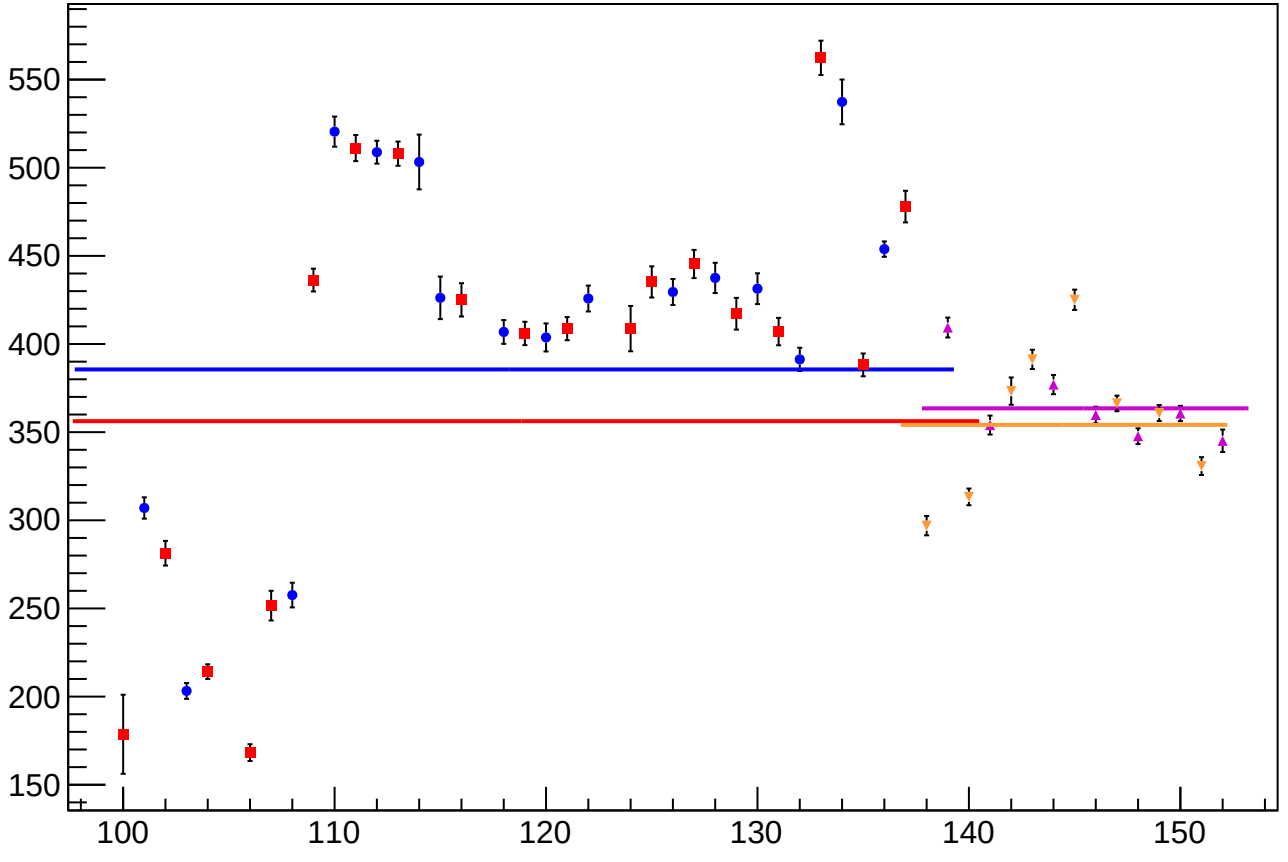
Left In: 18.453+/-1.260 χ^2/NDF:26.4/6

+ sign 15.513+/-0.964 χ^2/NDF: 297.4/23

All: 15.300+/-0.685 χ^2/NDF: 529.1/49

- sign 15.082+/-0.975 χ^2/NDF: 231.7/25

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 354.146+/-1.837 χ^2/NDF:418.4/7

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

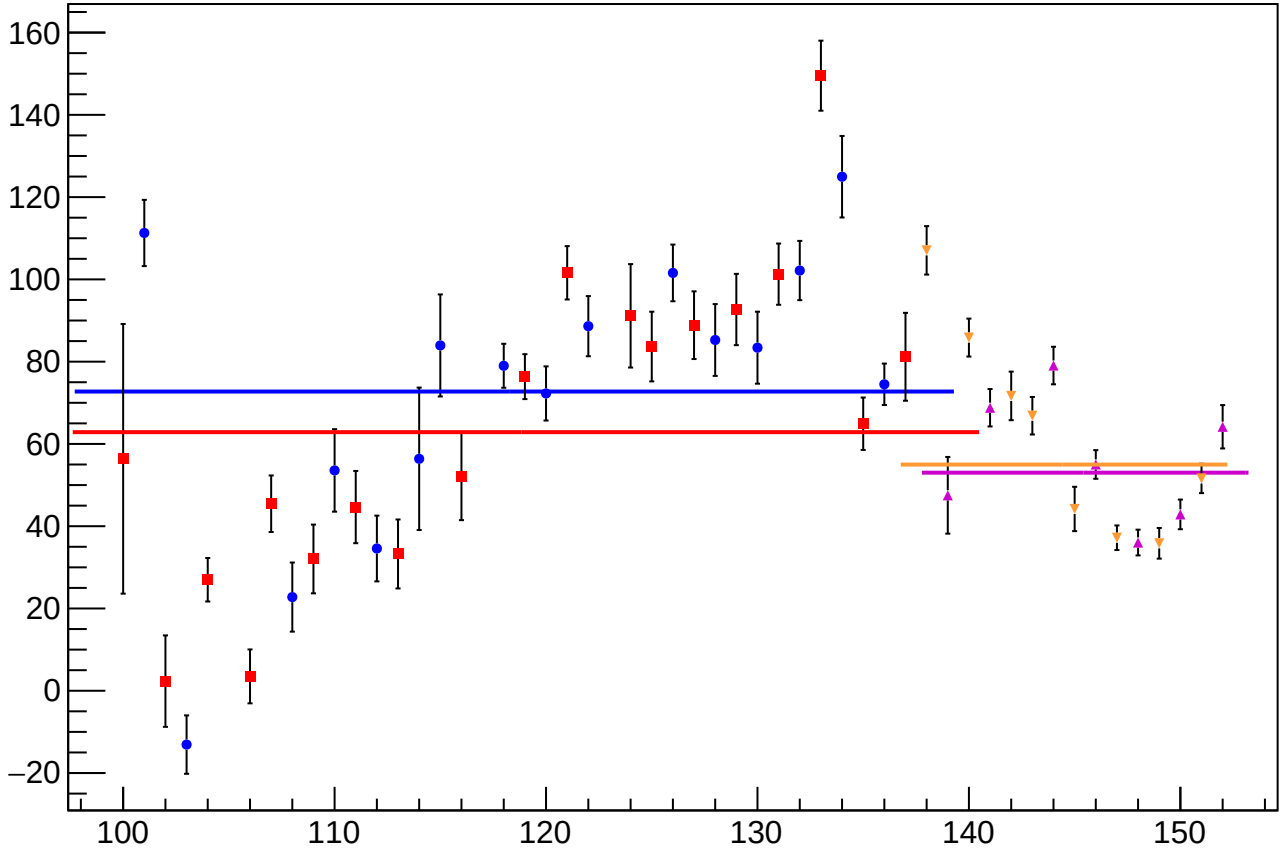
Left In: 363.513+/-1.912 χ^2/NDF:97.5/6

+ sign 370.697+/-1.264 χ^2/NDF: 3945.8/23

All: 364.945+/-0.888 χ^2/NDF: 9362.8/49

- sign 359.340+/-1.248 χ^2/NDF: 5376.1/25

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 54.984+/-1.492 χ^2/NDF:204.4/7

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

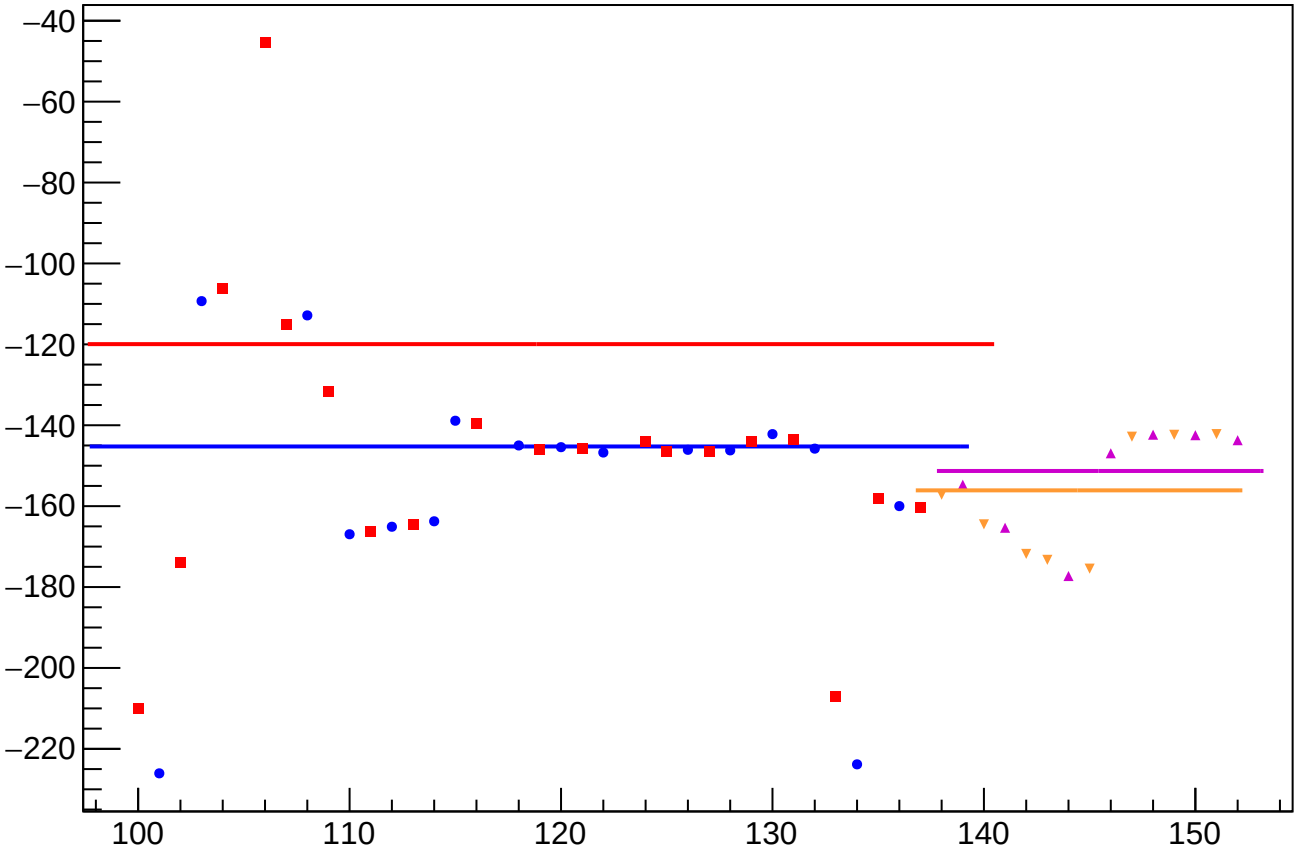
Left In: 53.015+/-1.570 χ^2/NDF:87.2/6

+ sign 61.770+/-1.173 χ^2/NDF: 562.8/23

All: 59.545+/-0.832 χ^2/NDF: 1077.9/49

- sign 57.285+/-1.182 χ^2/NDF: 507.8/25

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -156.097+/-0.077 χ^2/NDF:31394.2/7

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

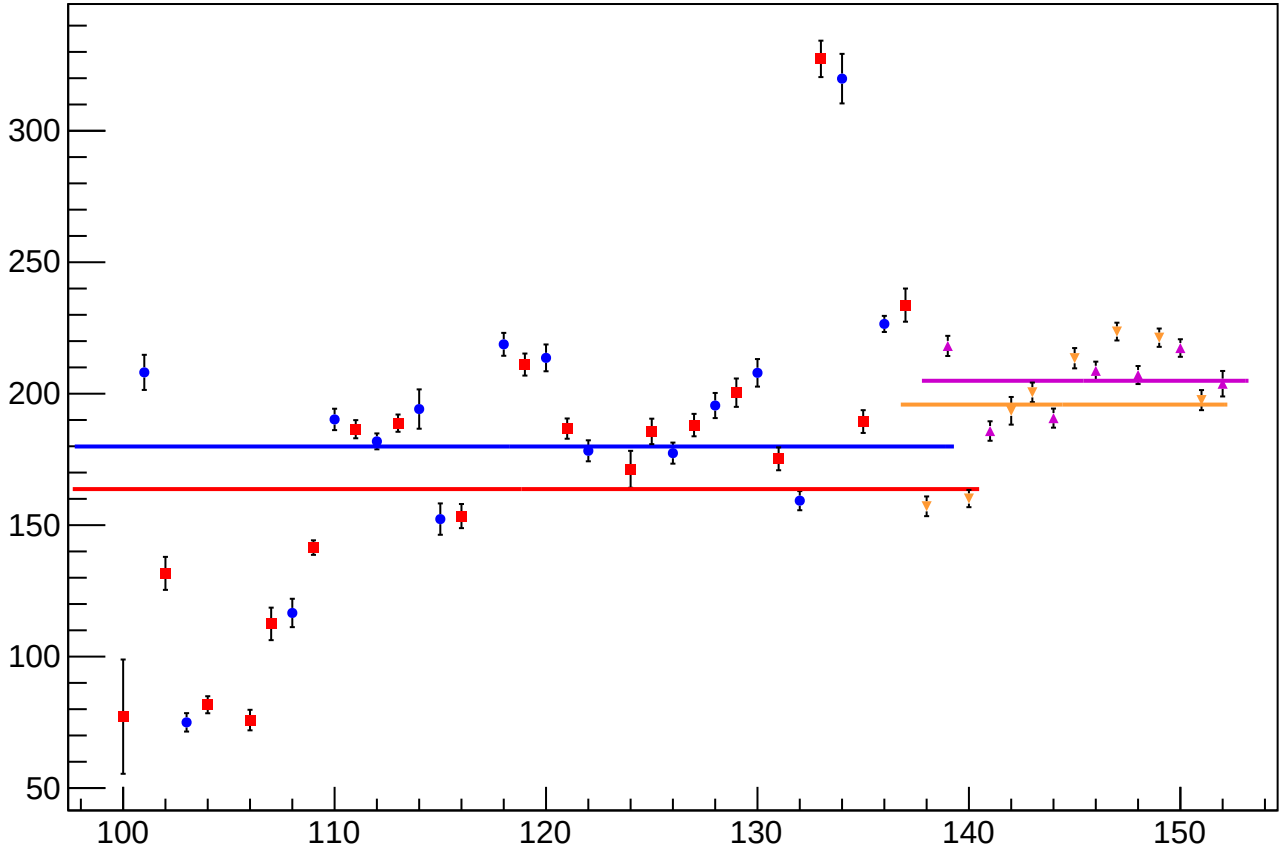
Left In: -151.303+/-0.077 χ^2/NDF:22314.9/6

+ sign -151.980+/-0.061 χ^2/NDF: 171008.1/23

All: -144.652+/-0.042 χ^2/NDF: 562892.9/49

- sign -137.885+/-0.058 χ^2/NDF: 363728.2/25

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 195.861+/-1.315 χ^2/NDF:369.1/7

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

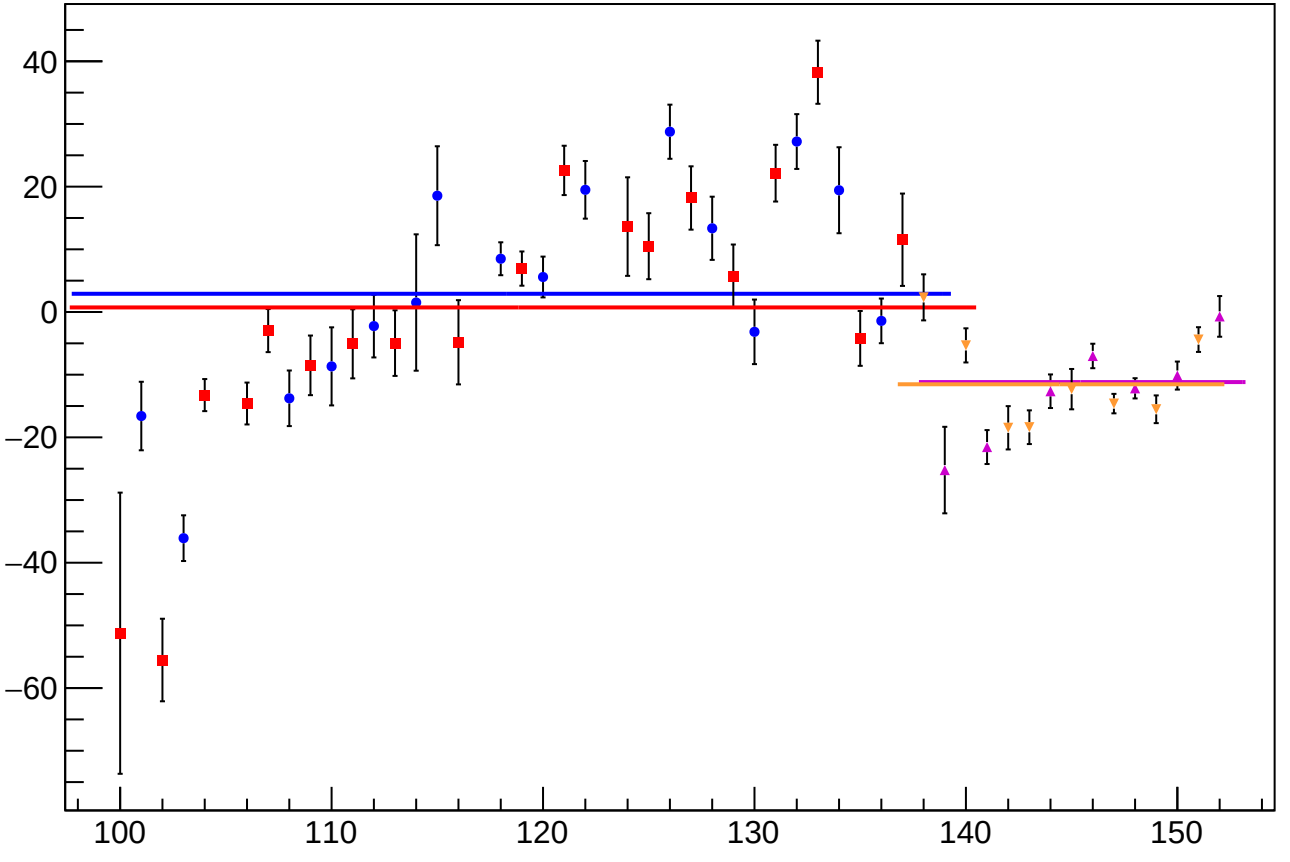
Left In: 204.914+/-1.392 χ^2/NDF:69.4/6

\+ sign 186.400+/-0.839 χ^2/NDF: 2189.0/23

All: 181.941+/-0.584 χ^2/NDF: 5307.4/49

\- sign 177.753+/-0.813 χ^2/NDF: 3063.5/25

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -11.531+/-0.844 χ^2/NDF:50.3/7

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

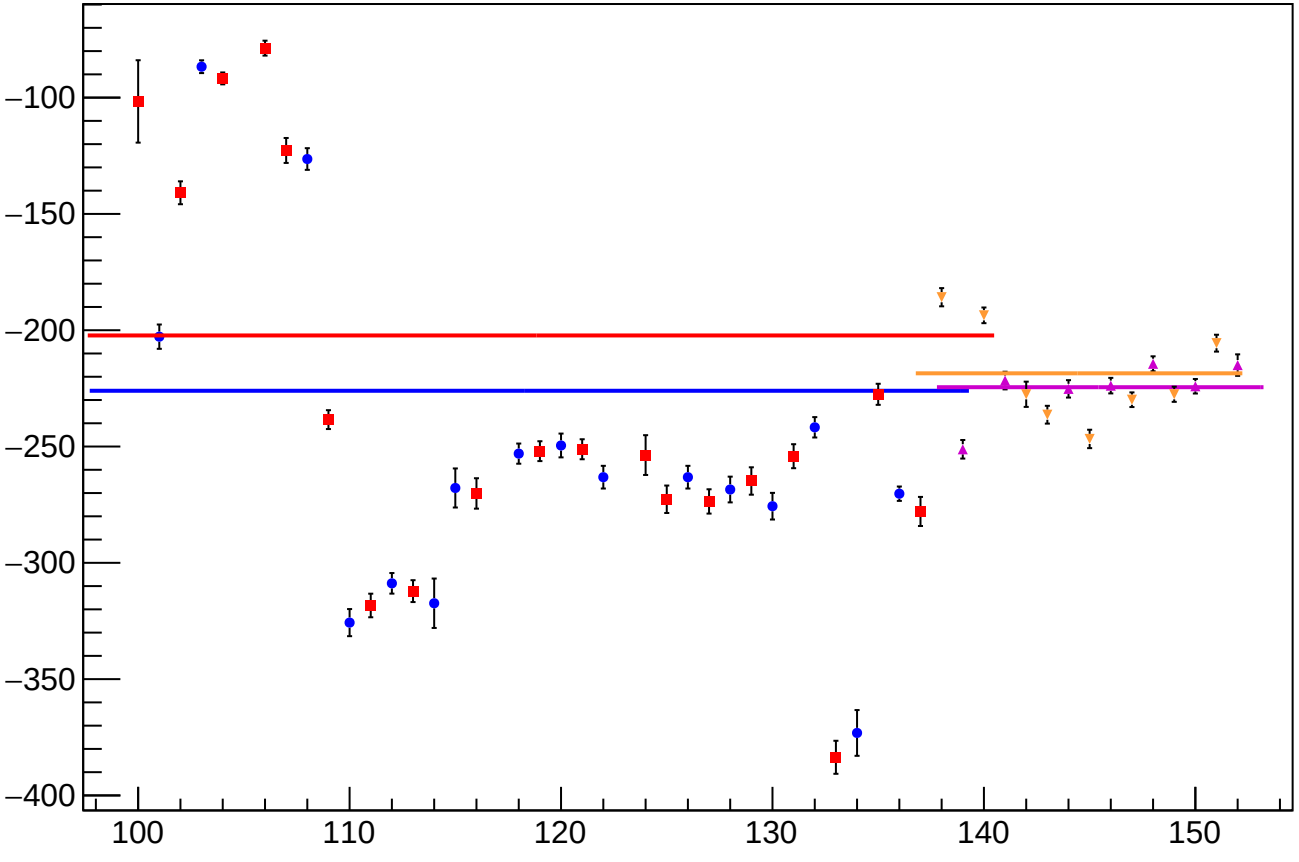
Left In: -11.180+/-0.899 χ^2/NDF:34.7/6

+ sign -6.208+/-0.671 χ^2/NDF: 405.6/23

All: -6.069+/-0.475 χ^2/NDF: 791.4/49

- sign -5.930+/-0.672 χ^2/NDF: 385.7/25

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.524+/-1.301 χ^2/NDF:233.3/7

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

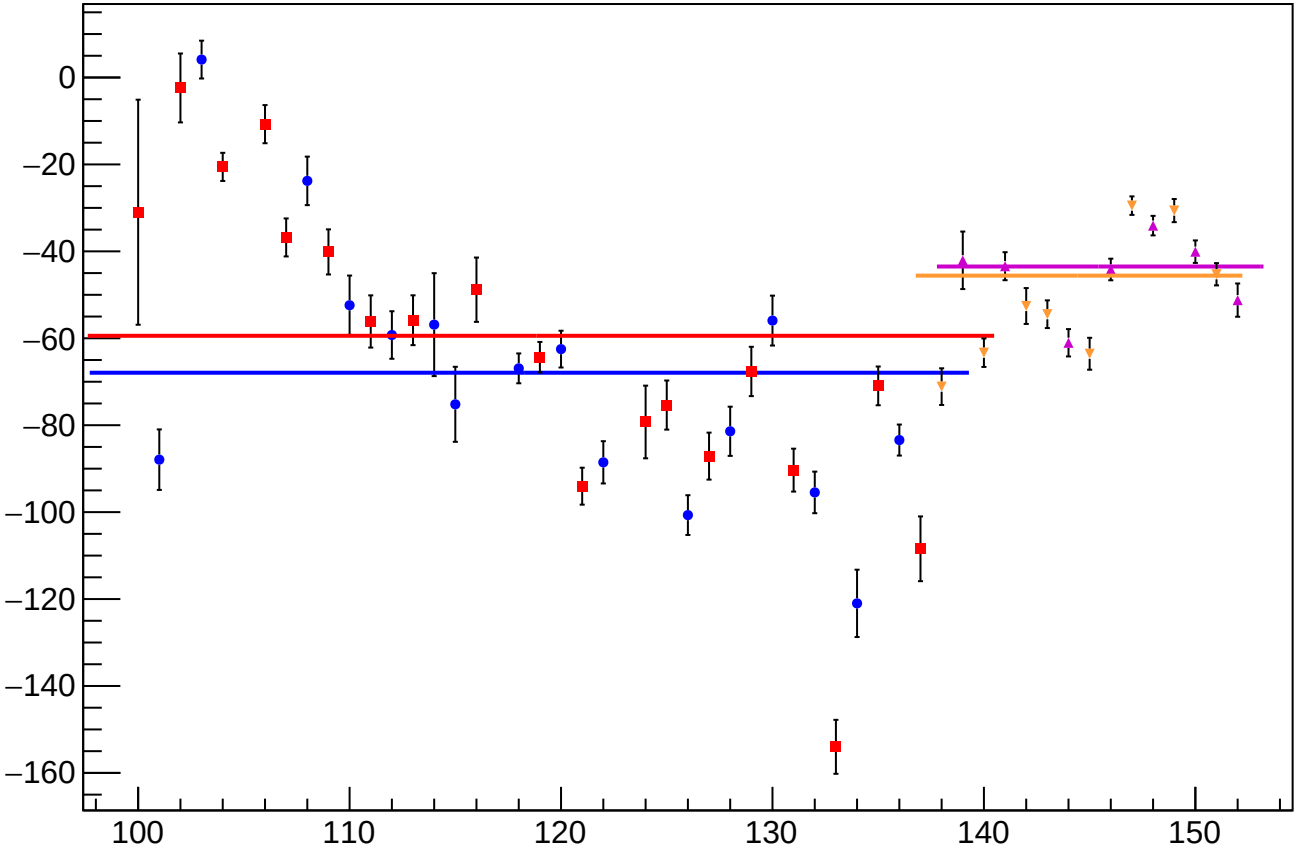
Left In: -224.496+/-1.361 χ^2/NDF:59.4/6

+ sign -222.657+/-0.872 χ^2/NDF: 4790.6/23

All: -216.629+/-0.608 χ^2/NDF: 11797.0/49

- sign -210.910+/-0.849 χ^2/NDF: 6913.3/25

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -45.584+/-1.057 χ^2/NDF:189.3/7

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

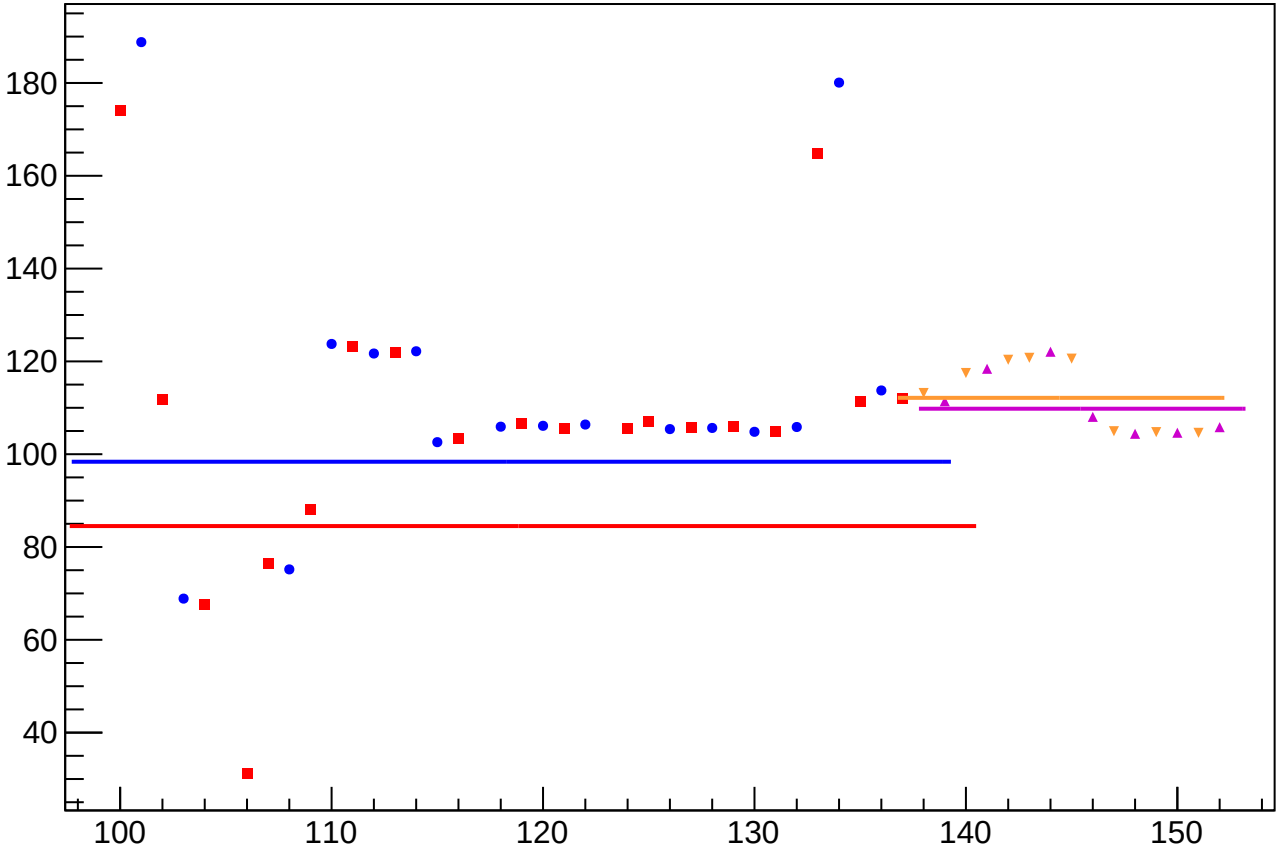
Left In: -43.488+/-1.120 χ^2/NDF:54.6/6

+ sign -54.662+/-0.815 χ^2/NDF: 904.8/23

All: -52.834+/-0.576 χ^2/NDF: 1860.0/49

- sign -51.012+/-0.813 χ^2/NDF: 945.2/25

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 112.146+/-0.054 χ^2/NDF:16792.7/7

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

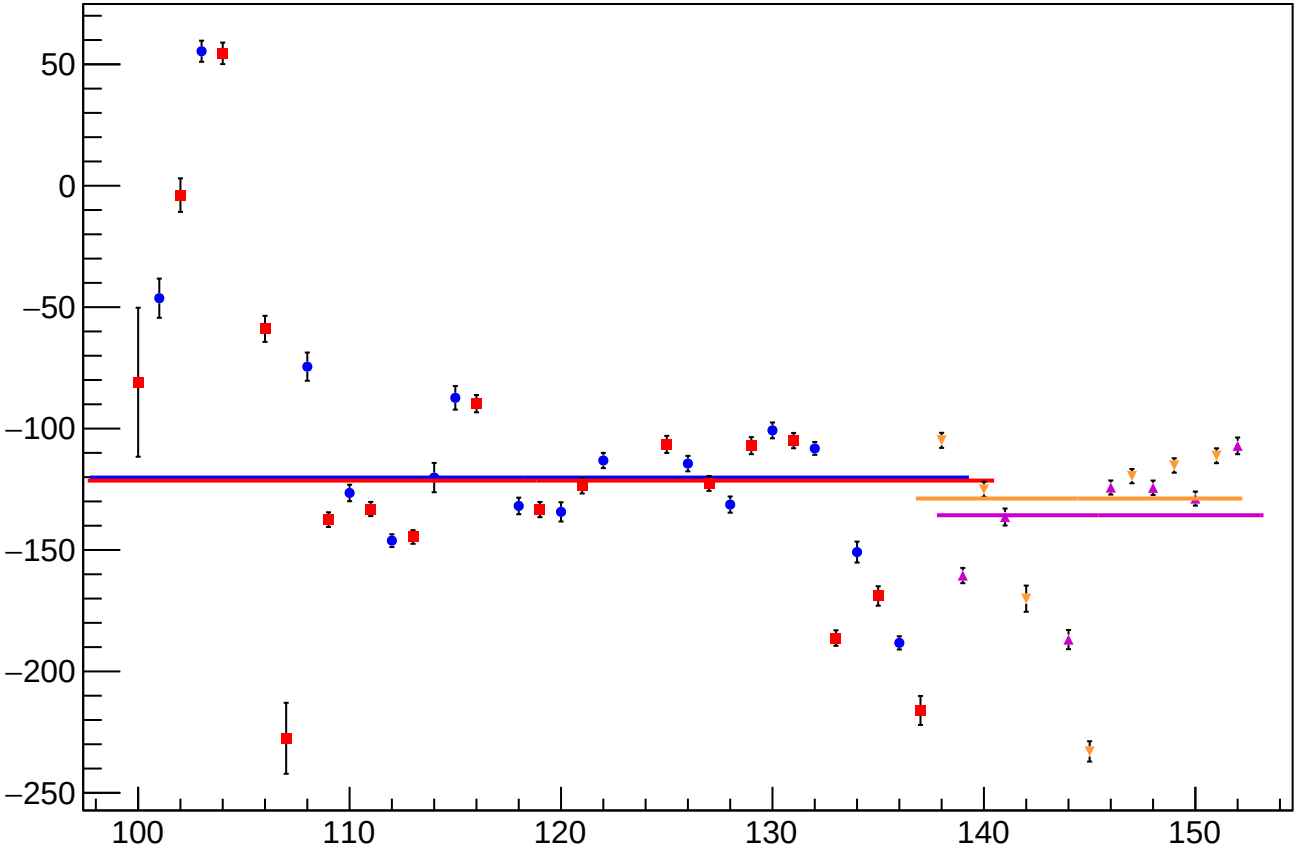
Left In: 109.802+/-0.055 χ^2/NDF:12688.5/6

+ sign 106.574+/-0.042 χ^2/NDF: 271089.4/23

All: 102.365+/-0.029 χ^2/NDF: 667818.3/49

- sign 98.421+/-0.041 χ^2/NDF: 377291.4/25

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: -128.809+/-1.257 χ^2/NDF:802.2/6

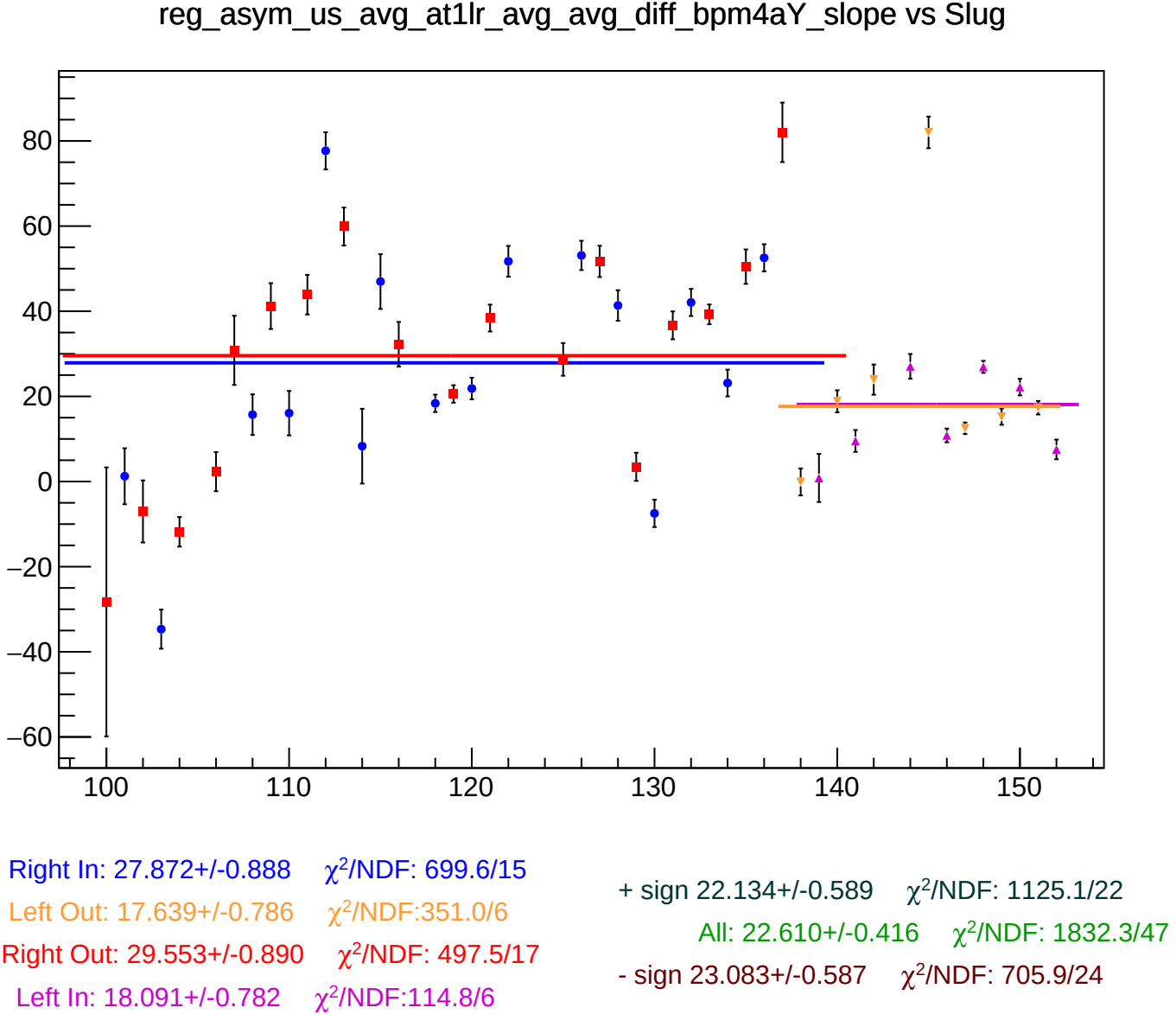
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

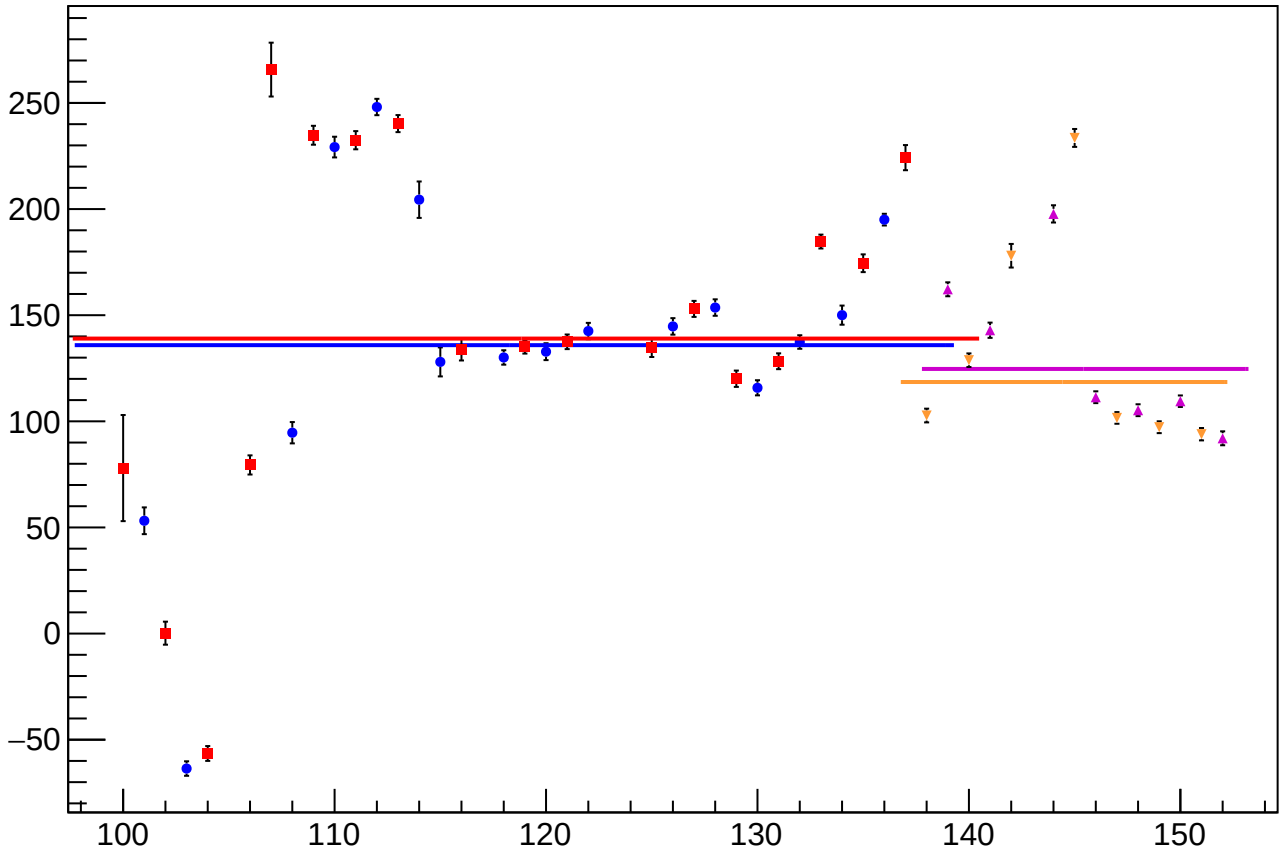
Left In: -135.688+/-1.213 χ^2/NDF:334.7/6

+ sign -123.062+/-0.727 χ^2/NDF: 3524.8/22

All: -124.722+/-0.508 χ^2/NDF: 7087.1/47

- sign -126.306+/-0.710 χ^2/NDF: 3552.0/24


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
Right In: 27.872+/-0.888 χ²/NDF: 699.6/15
Left Out: 17.639+/-0.786 χ²/NDF:351.0/6
Right Out: 29.553+/-0.890 χ²/NDF: 497.5/17
Left In: 18.091+/-0.782 χ²/NDF:114.8/6
+ sign 22.134+/-0.589 χ²/NDF: 1125.1/22
All: 22.610+/-0.416 χ²/NDF: 1832.3/47
- sign 23.083+/-0.587 χ²/NDF: 705.9/24



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 118.523+/-1.231 χ^2/NDF:1058.4/6

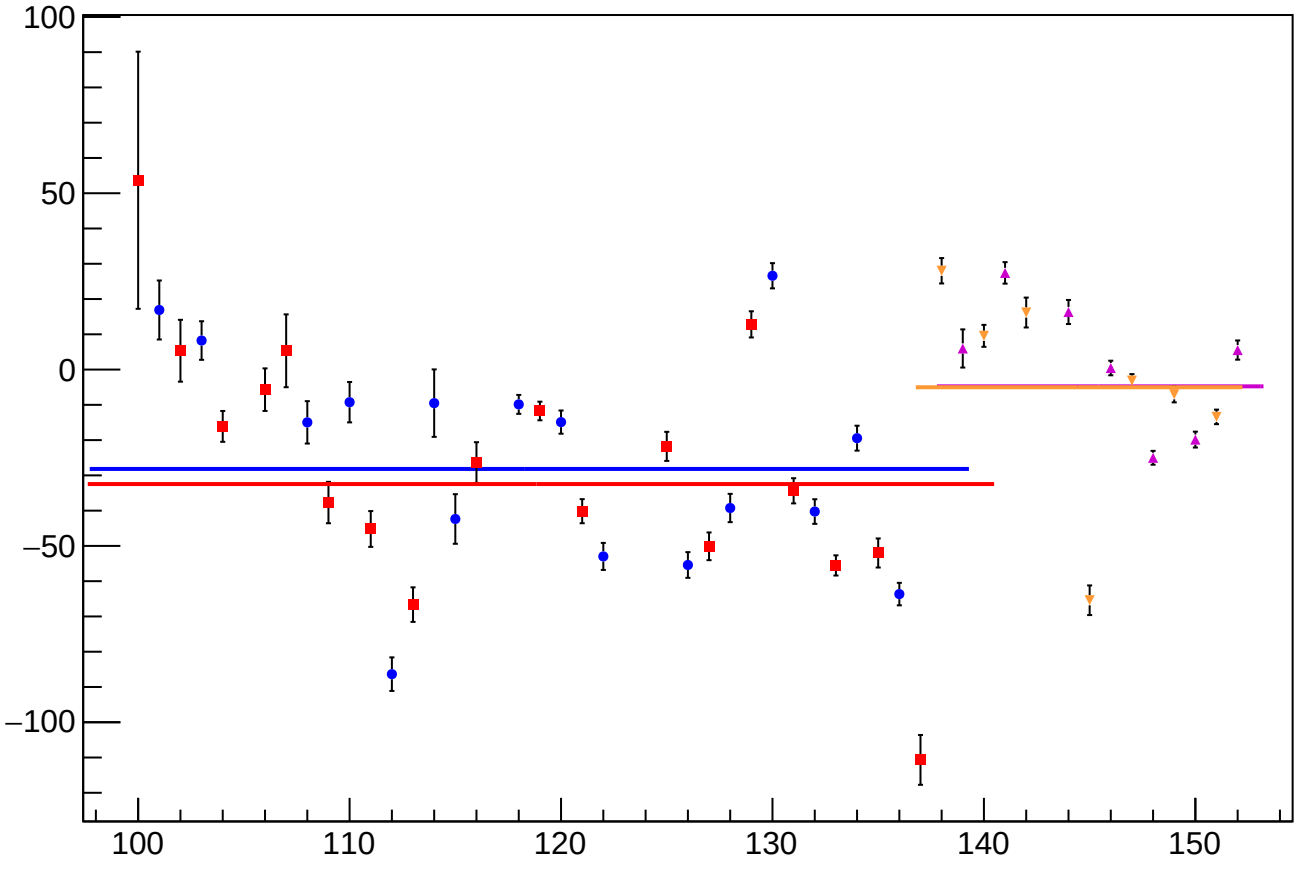
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 124.680+/-1.181 χ^2/NDF:681.0/6

\+ sign 128.992+/-0.775 χ^2/NDF: 6642.1/22

All: 131.042+/-0.544 χ^2/NDF: 13578.8/47

\- sign 133.025+/-0.762 χ^2/NDF: 6923.0/24



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -5.017+/-0.996 χ^2/NDF:356.1/6

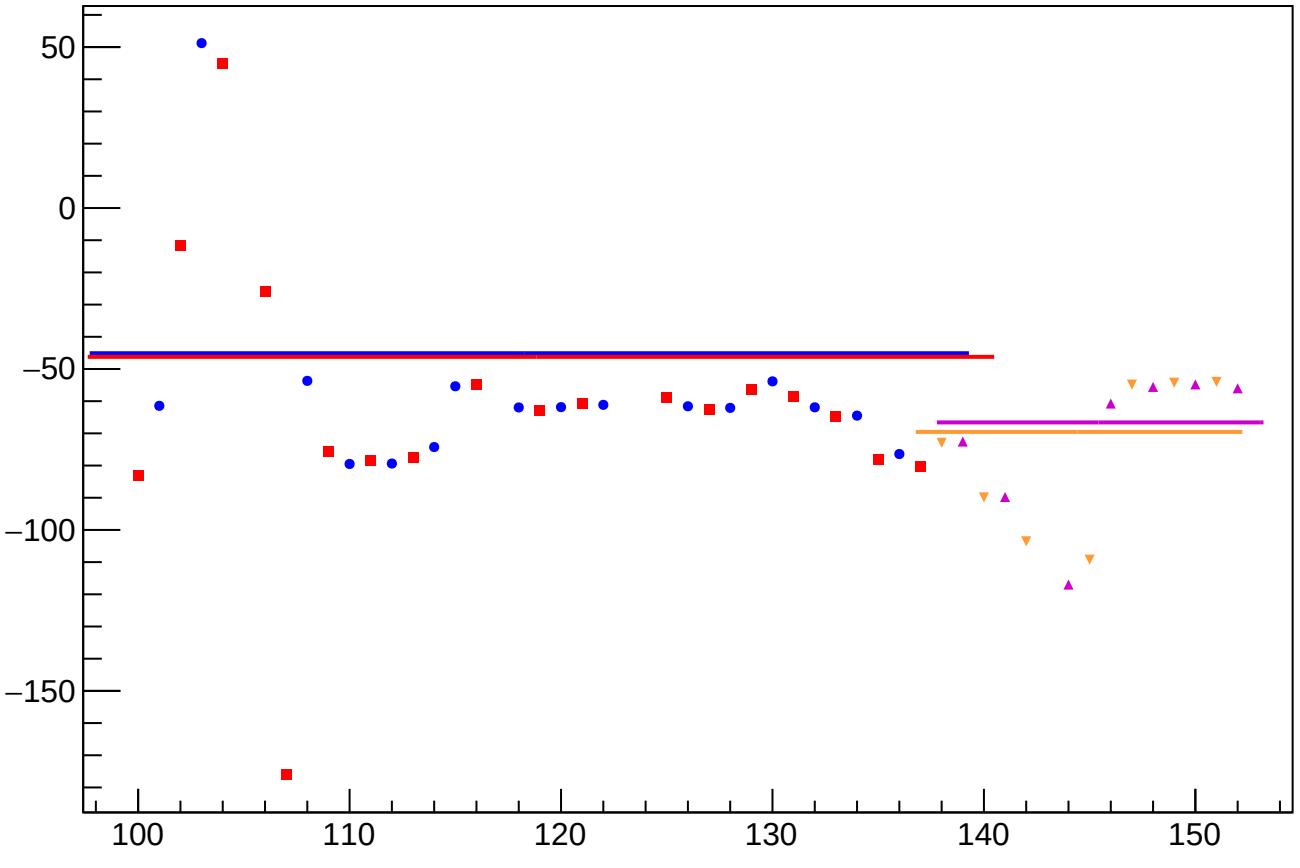
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -4.758+/-0.974 χ^2/NDF:325.8/6

+ sign -16.291+/-0.713 χ^2/NDF: 1410.7/22

All: -17.088+/-0.502 χ^2/NDF: 2702.7/47

- sign -17.872+/-0.707 χ^2/NDF: 1289.5/24



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -69.541+/-0.051 χ^2/NDF:150231.1/6

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

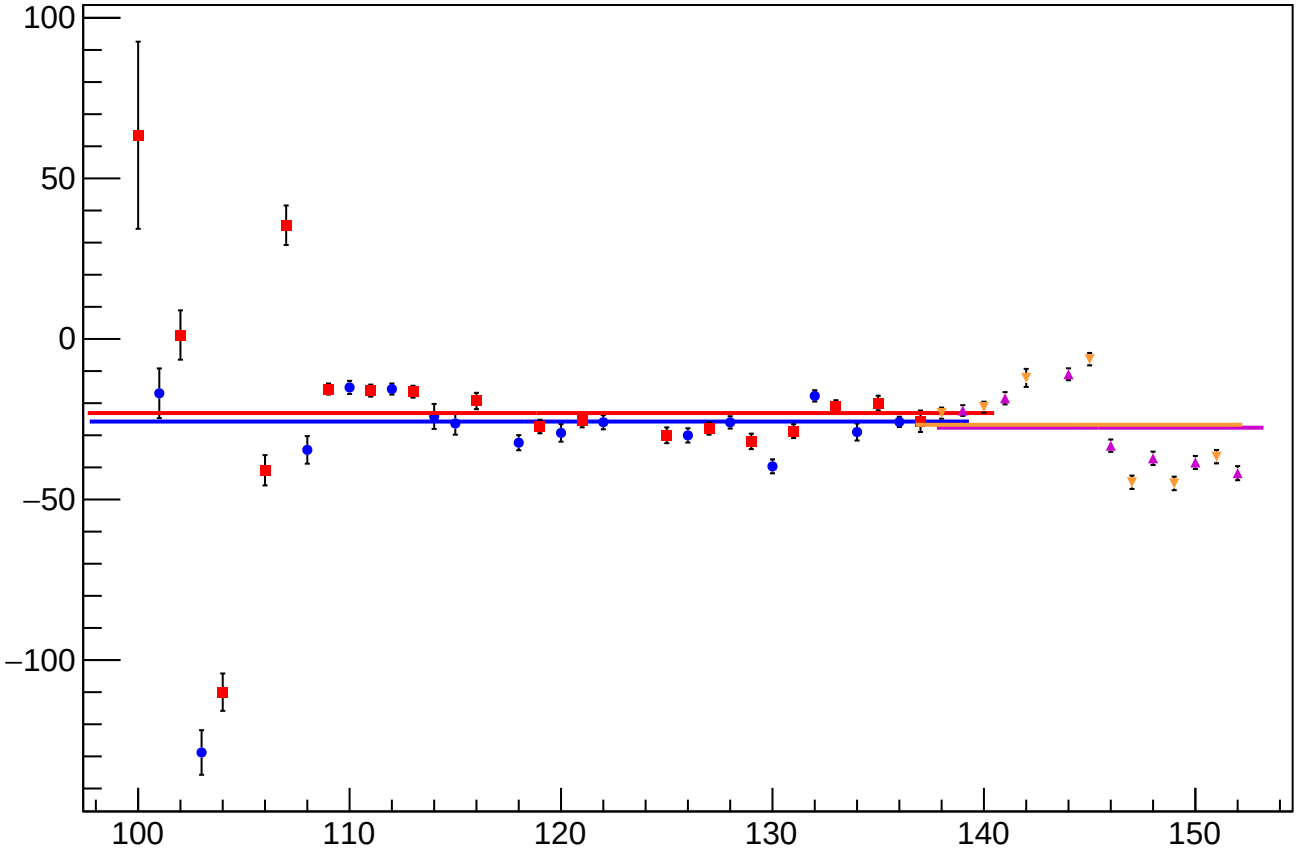
Left In: -66.600+/-0.047 χ^2/NDF:135048.2/6

+ sign -59.280+/-0.039 χ^2/NDF: 821196.0/22

All: -59.269+/-0.027 χ^2/NDF: 1517622.4/47

- sign -59.259+/-0.038 χ^2/NDF: 696426.3/24

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: -26.728+/-0.754 χ^2/NDF:323.2/6

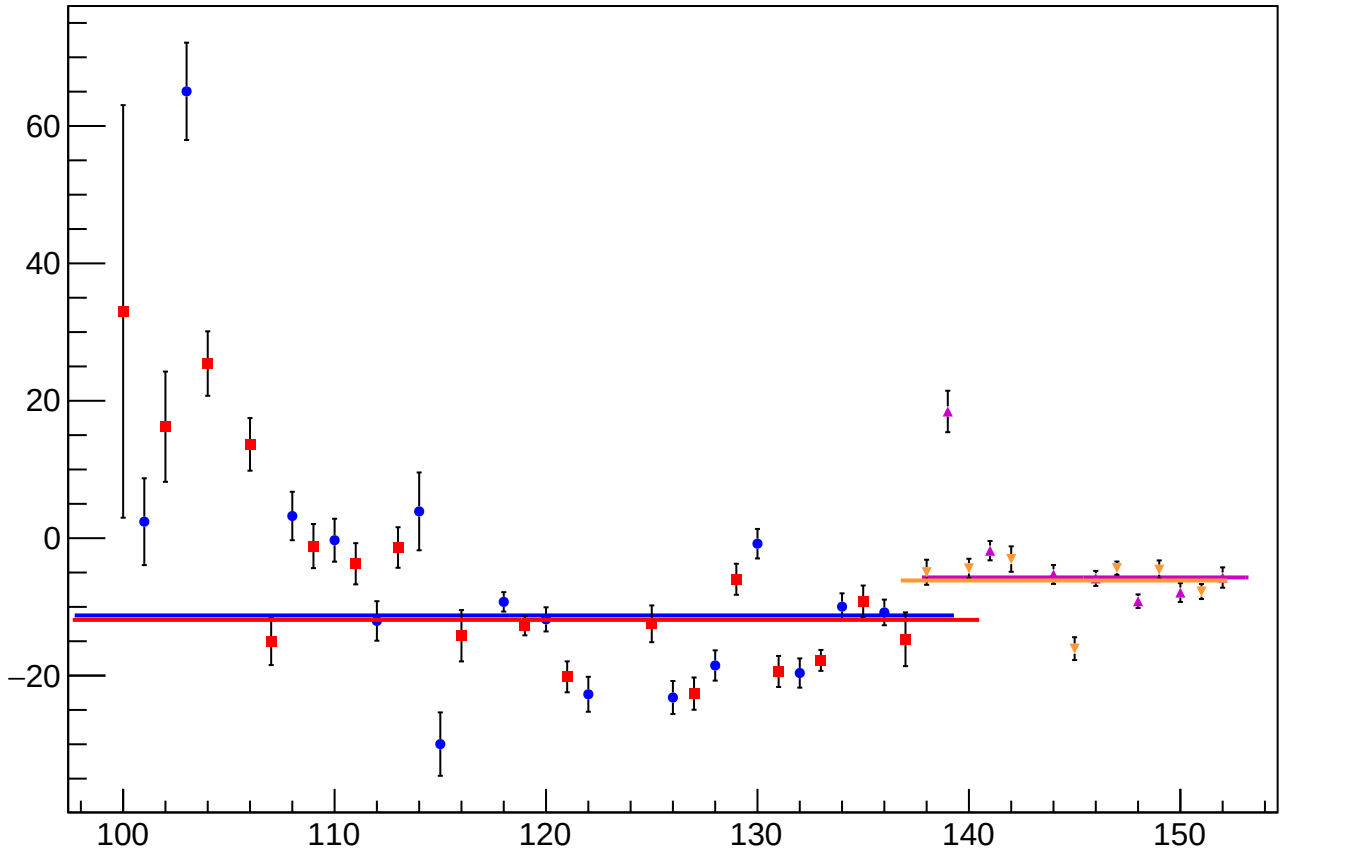
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

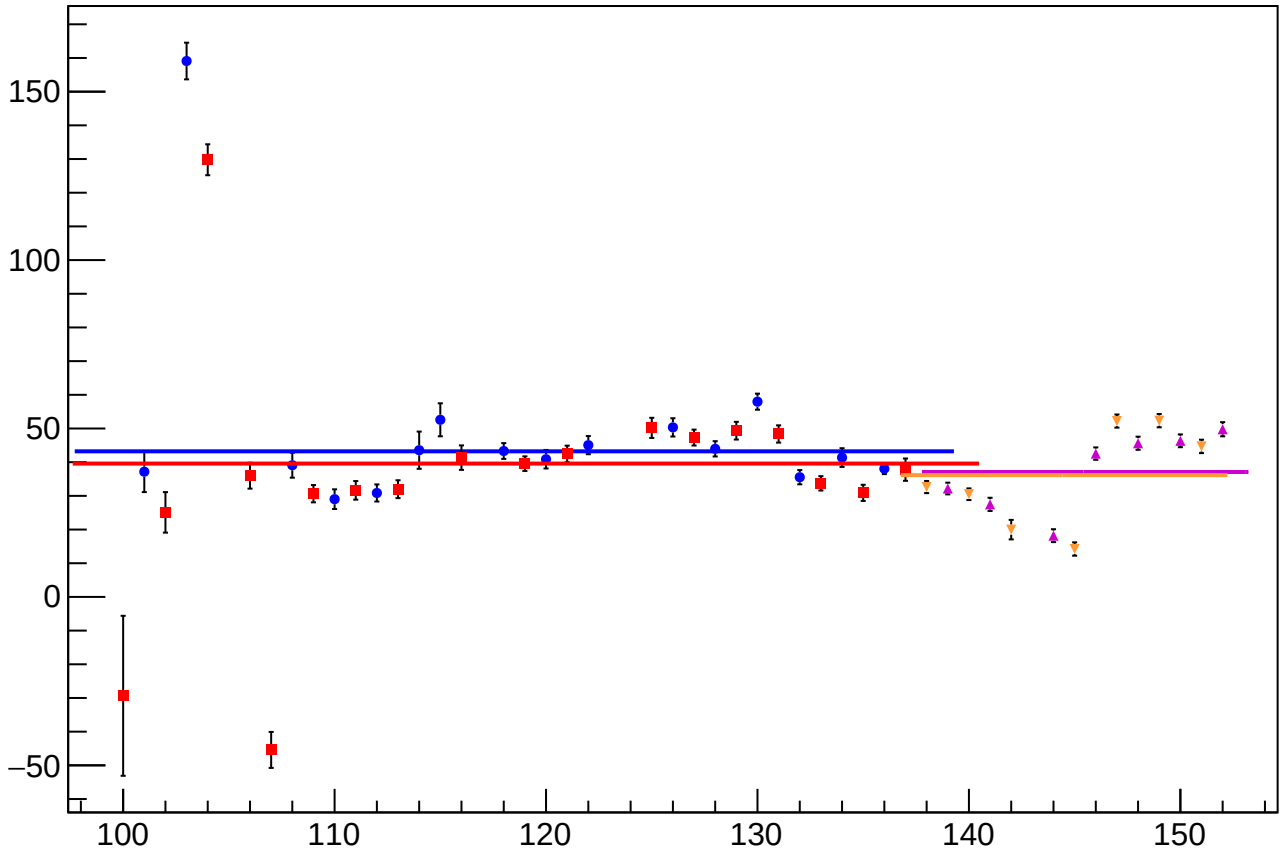
Left In: -27.628+/-0.731 χ^2/NDF:212.5/6

+ sign -26.104+/-0.465 χ^2/NDF: 687.3/22

All: -25.461+/-0.325 χ^2/NDF: 1364.3/47

- sign -24.843+/-0.455 χ^2/NDF: 673.3/24


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
Right In: -11.246+/-0.600 χ²/NDF: 271.1/15
Left Out: -6.157+/-0.505 χ²/NDF:47.4/6
Right Out: -11.890+/-0.607 χ²/NDF: 224.5/17
Left In: -5.715+/-0.500 χ²/NDF:86.8/6
+ sign -8.267+/-0.386 χ²/NDF: 360.6/22
All: -8.239+/-0.273 χ²/NDF: 733.5/47
- sign -8.212+/-0.386 χ²/NDF: 372.9/24



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 36.151+/-0.749 χ^2/NDF:321.2/6

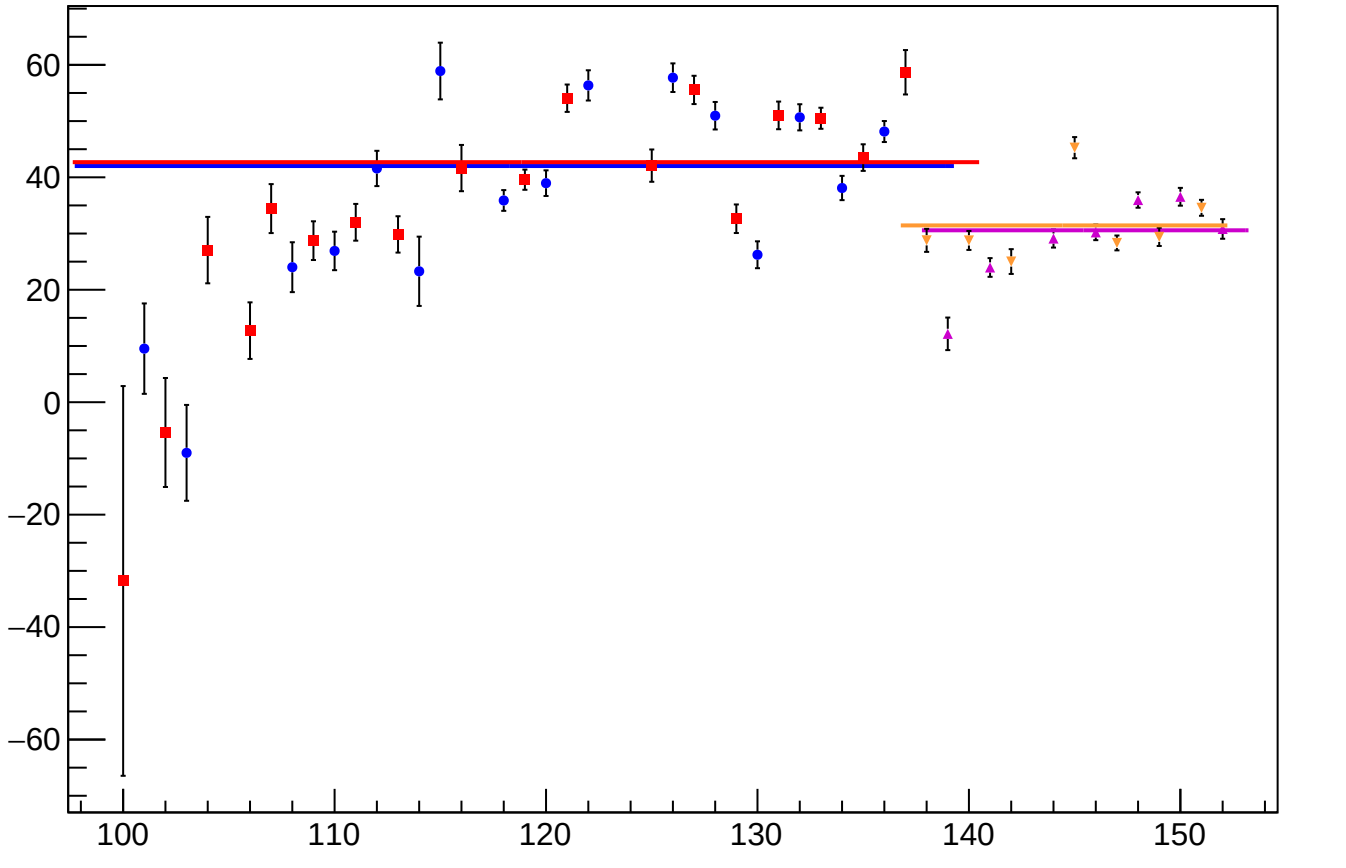
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 37.088+/-0.721 χ^2/NDF:217.8/6

+ sign 40.035+/-0.503 χ^2/NDF: 946.2/22

All: 39.208+/-0.353 χ^2/NDF: 1929.7/47

- sign 38.401+/-0.496 χ^2/NDF: 978.2/24



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 31.444+/-0.629 χ^2/NDF:78.5/6

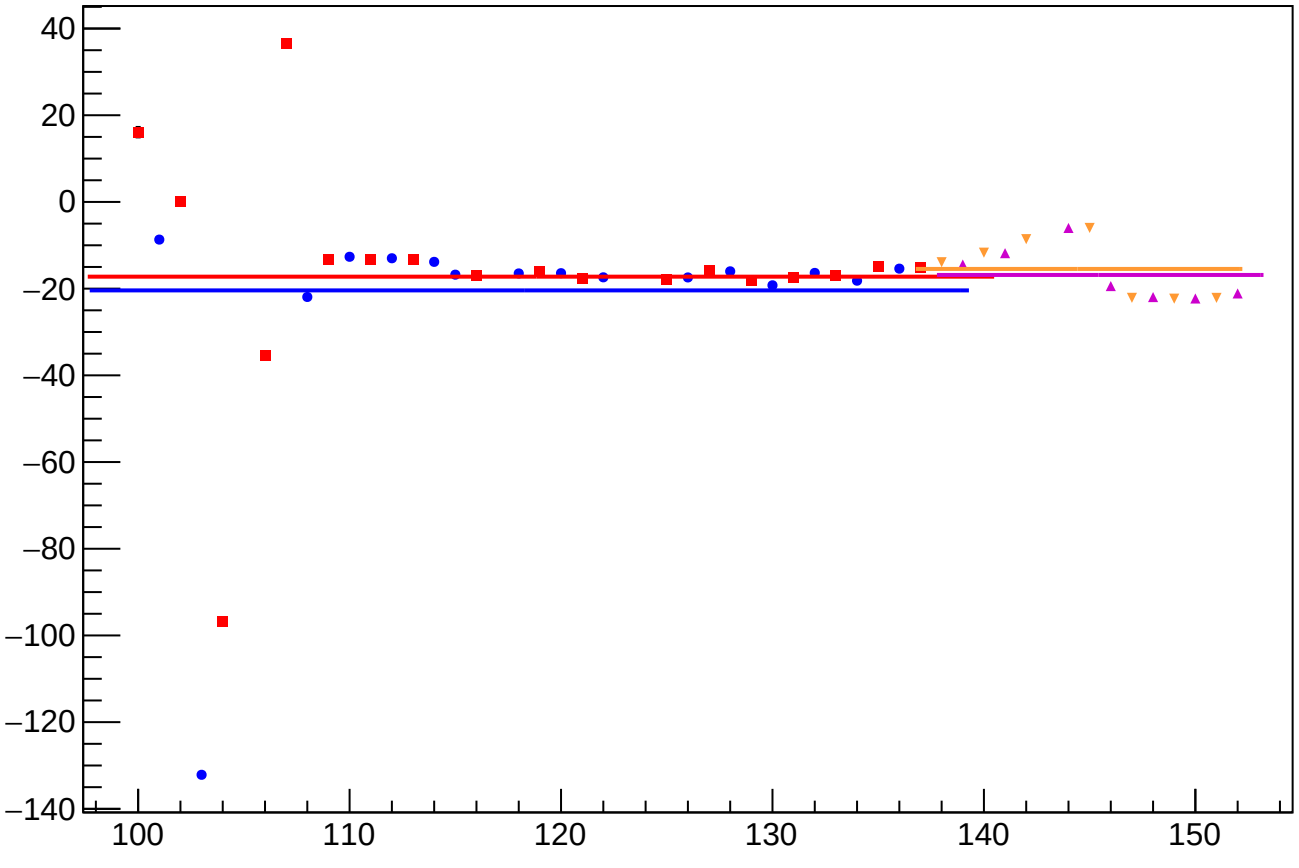
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 30.575+/-0.615 χ^2/NDF:86.8/6

\+ sign 36.287+/-0.463 χ^2/NDF: 480.4/22

All: 36.091+/-0.326 χ^2/NDF: 968.6/47

\- sign 35.897+/-0.460 χ^2/NDF: 487.9/24



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -15.452+/-0.031 χ^2/NDF:41024.4/6

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

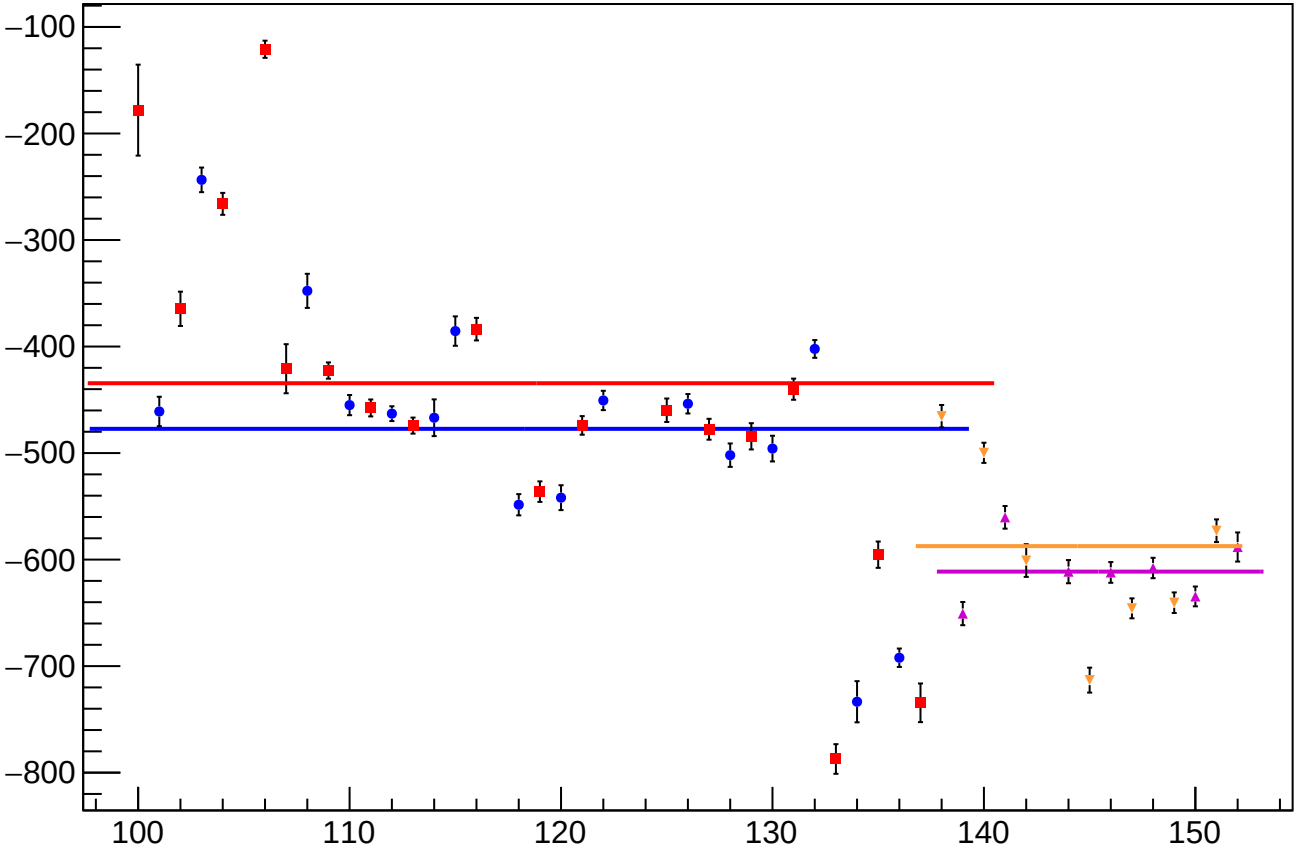
Left In: -16.843+/-0.029 χ^2/NDF:35007.3/6

+ sign -17.197+/-0.025 χ^2/NDF: 295684.3/22

All: -17.074+/-0.017 χ^2/NDF: 535451.7/47

- sign -16.960+/-0.024 χ^2/NDF: 239720.5/24

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: -587.384+/-3.993 χ^2/NDF:407.5/6

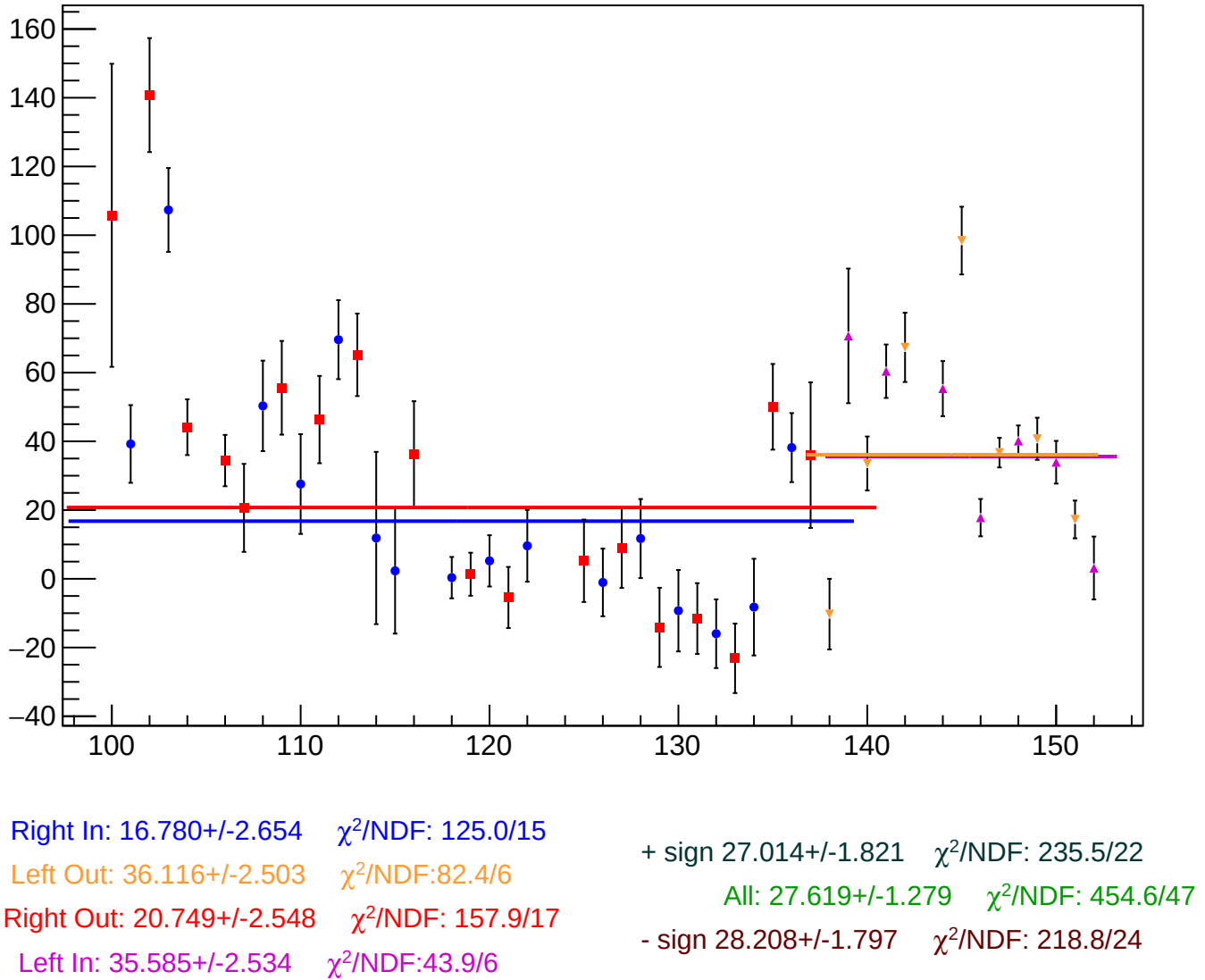
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -611.281+/-3.950 χ^2/NDF:45.3/6

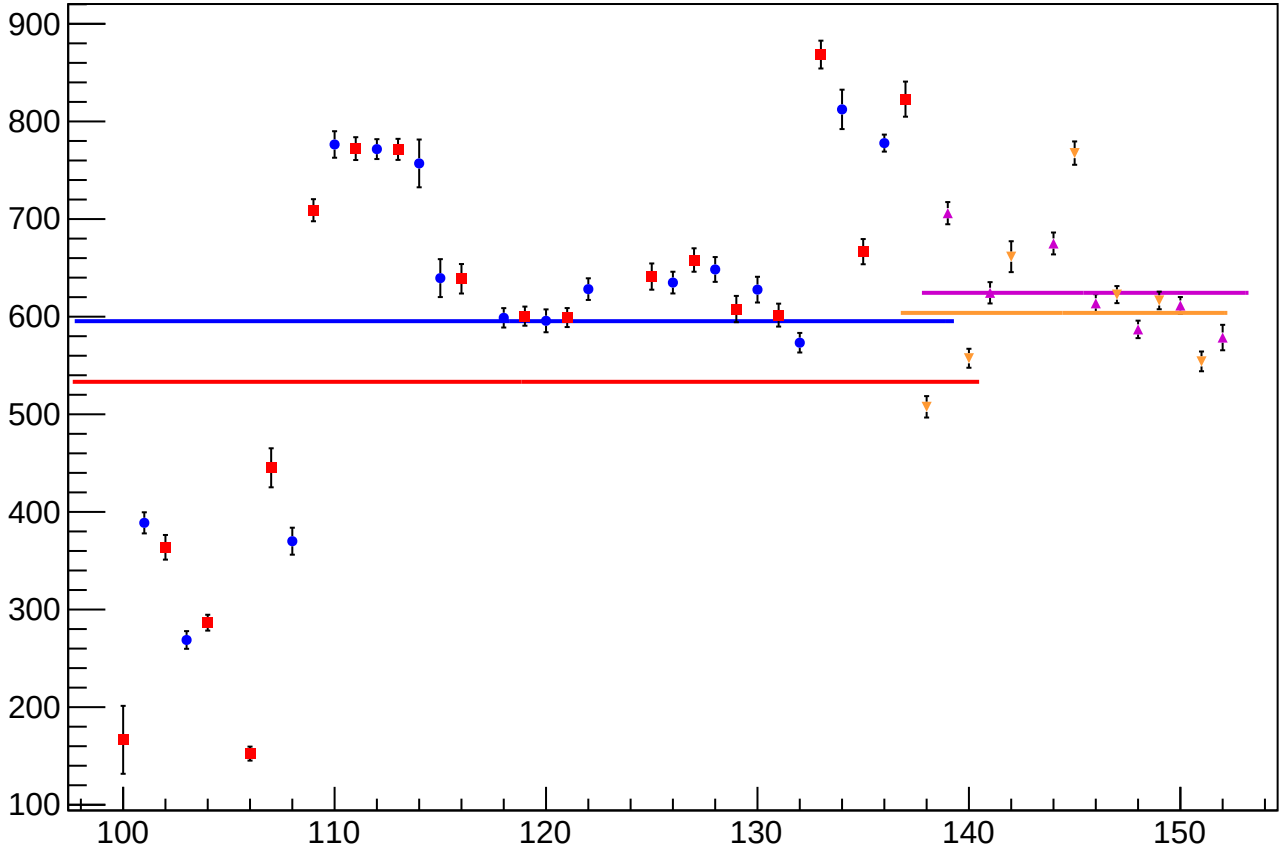
+ sign -510.625+/-2.198 χ^2/NDF: 2448.4/22

All: -496.628+/-1.515 χ^2/NDF: 7175.7/47

- sign -483.969+/-2.091 χ^2/NDF: 4650.1/24


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug
160
140
120
100
80
60
40
20
0
−20
−40
100
110
120
130
140
150
Right In: 16.780+/-2.654 χ²/NDF: 125.0/15
Left Out: 36.116+/-2.503 χ²/NDF:82.4/6
Right Out: 20.749+/-2.548 χ²/NDF: 157.9/17
Left In: 35.585+/-2.534 χ²/NDF:43.9/6
+ sign 27.014+/-1.821 χ²/NDF: 235.5/22
All: 27.619+/-1.279 χ²/NDF: 454.6/47
- sign 28.208+/-1.797 χ²/NDF: 218.8/24

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: 603.884+/-3.921 χ^2/NDF:330.9/6

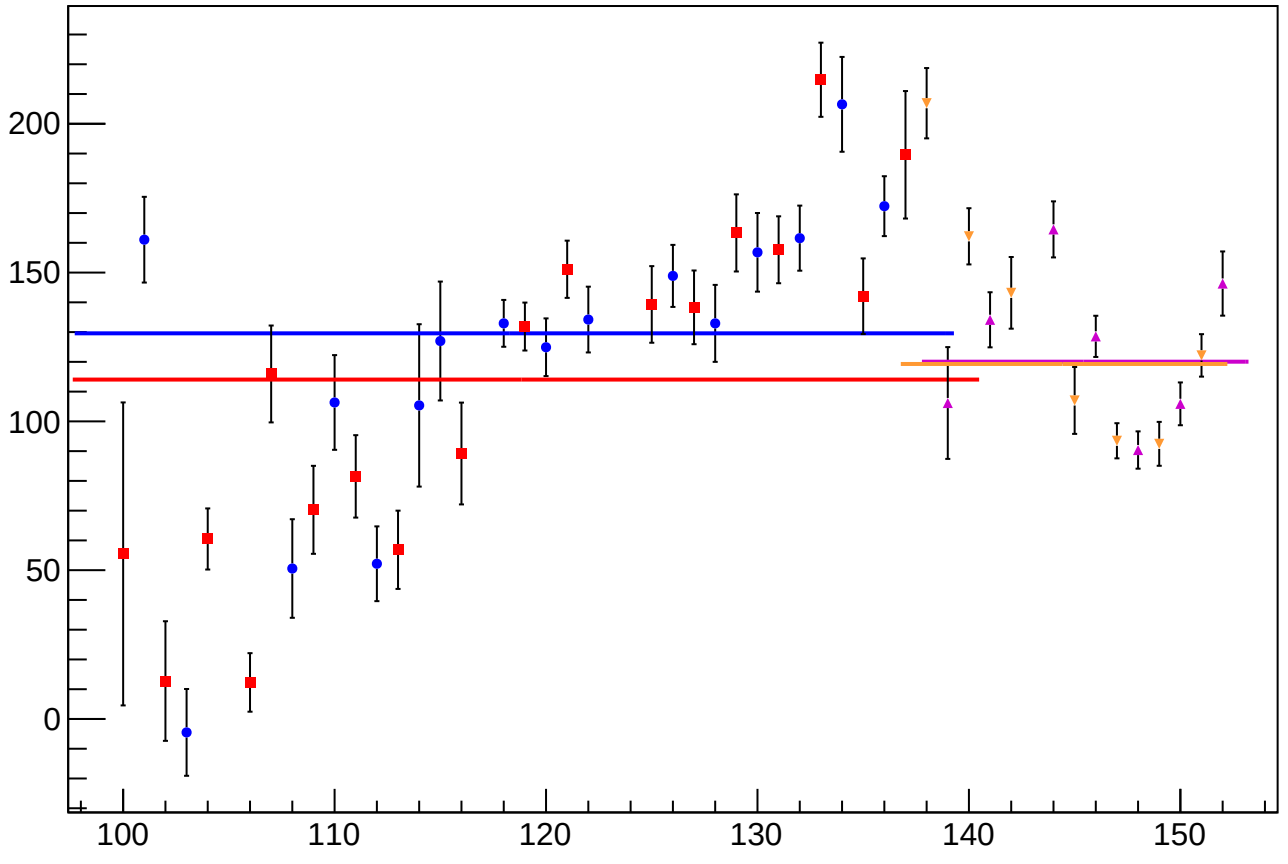
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 624.442+/-3.856 χ^2/NDF:105.3/6

+ sign 598.443+/-2.347 χ^2/NDF: 3393.6/22

All: 580.373+/-1.619 χ^2/NDF: 10485.7/47

- sign 563.960+/-2.237 χ^2/NDF: 6979.0/24



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 119.289+/-3.164 χ^2/NDF:113.3/6

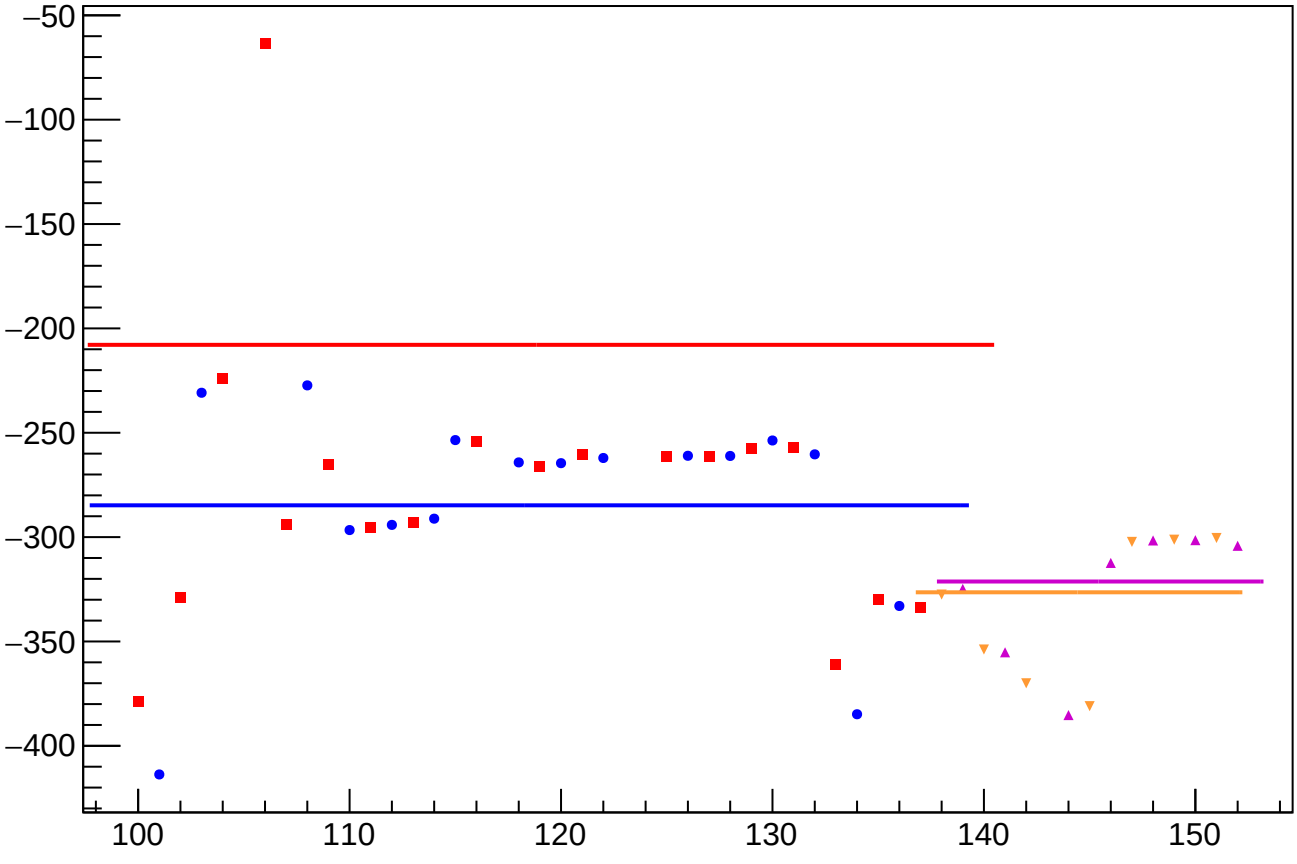
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 120.056+/-3.162 χ^2/NDF:58.9/6

+ sign 124.575+/-2.207 χ^2/NDF: 329.9/22

All: 120.652+/-1.546 χ^2/NDF: 732.9/47

- sign 116.870+/-2.167 χ^2/NDF: 396.7/24



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -326.441+/-0.164 χ^2/NDF:34212.7/6

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

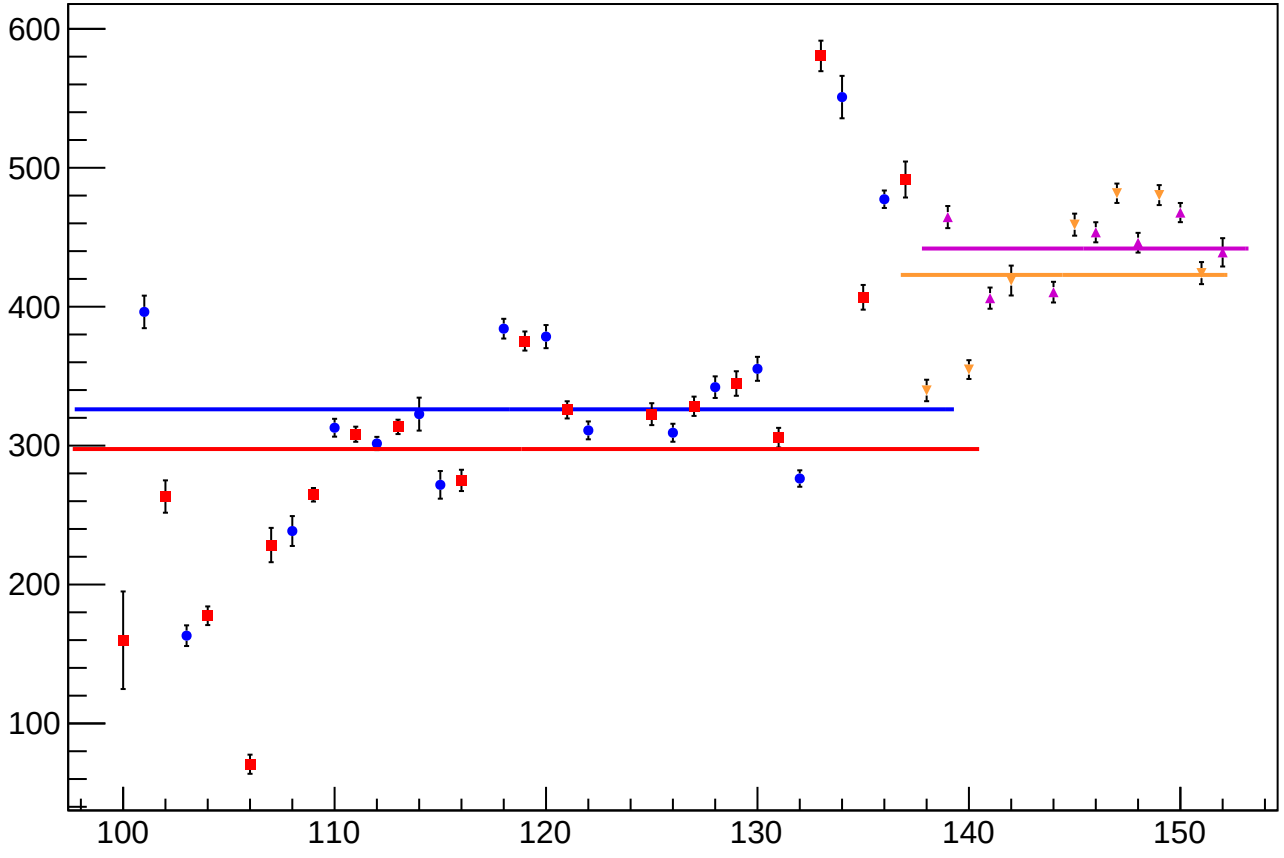
Left In: -321.272+/-0.155 χ^2/NDF:29962.9/6

\+ sign -307.210+/-0.121 χ^2/NDF: 168256.3/22

All: -282.114+/-0.080 χ^2/NDF: 1090671.3/47

\- sign -262.206+/-0.107 χ^2/NDF: 844770.6/24

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: 422.880+/-2.900 χ^2/NDF:373.2/6

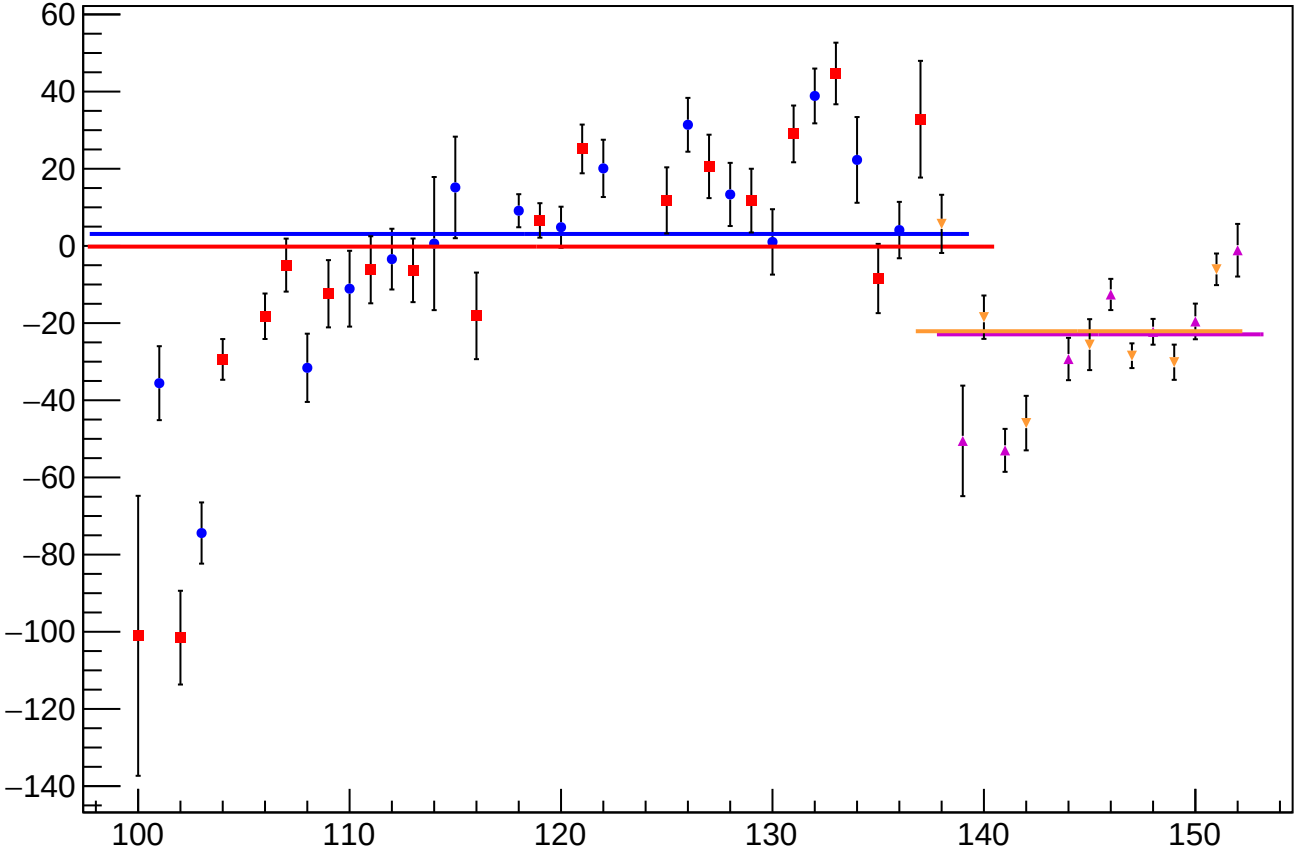
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 441.874+/-2.879 χ^2/NDF:64.9/6

+ sign 354.260+/-1.564 χ^2/NDF: 2805.4/22

All: 344.650+/-1.077 χ^2/NDF: 7561.4/47

- sign 335.974+/-1.486 χ^2/NDF: 4684.1/24



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -22.109+/-1.834 χ^2/NDF:48.0/6

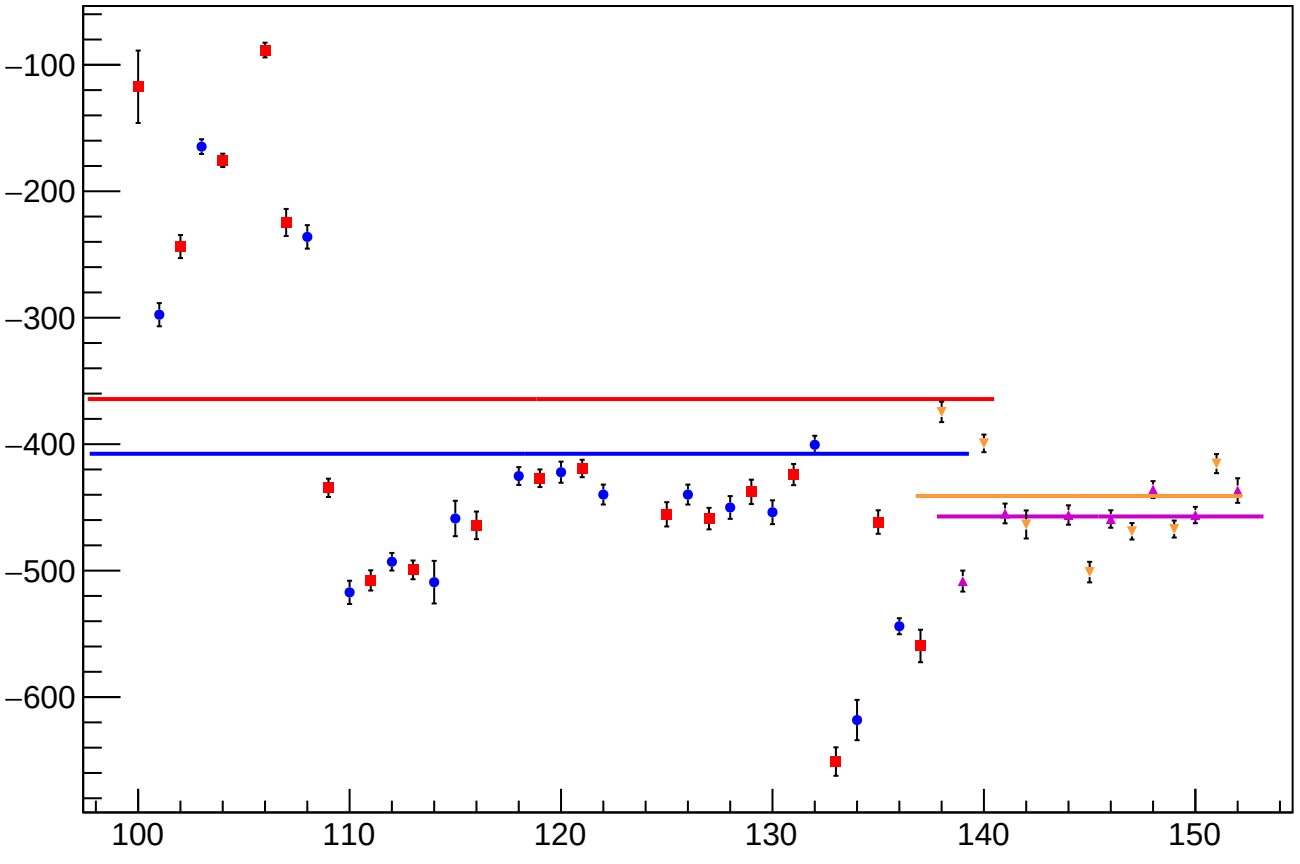
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -22.918+/-1.859 χ^2/NDF:51.6/6

\+ sign -9.897+/-1.317 χ^2/NDF: 324.1/22

All: -10.524+/-0.922 χ^2/NDF: 658.9/47

\- sign -11.125+/-1.290 χ^2/NDF: 334.3/24



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -440.962+/-2.855 χ^2/NDF:207.8/6

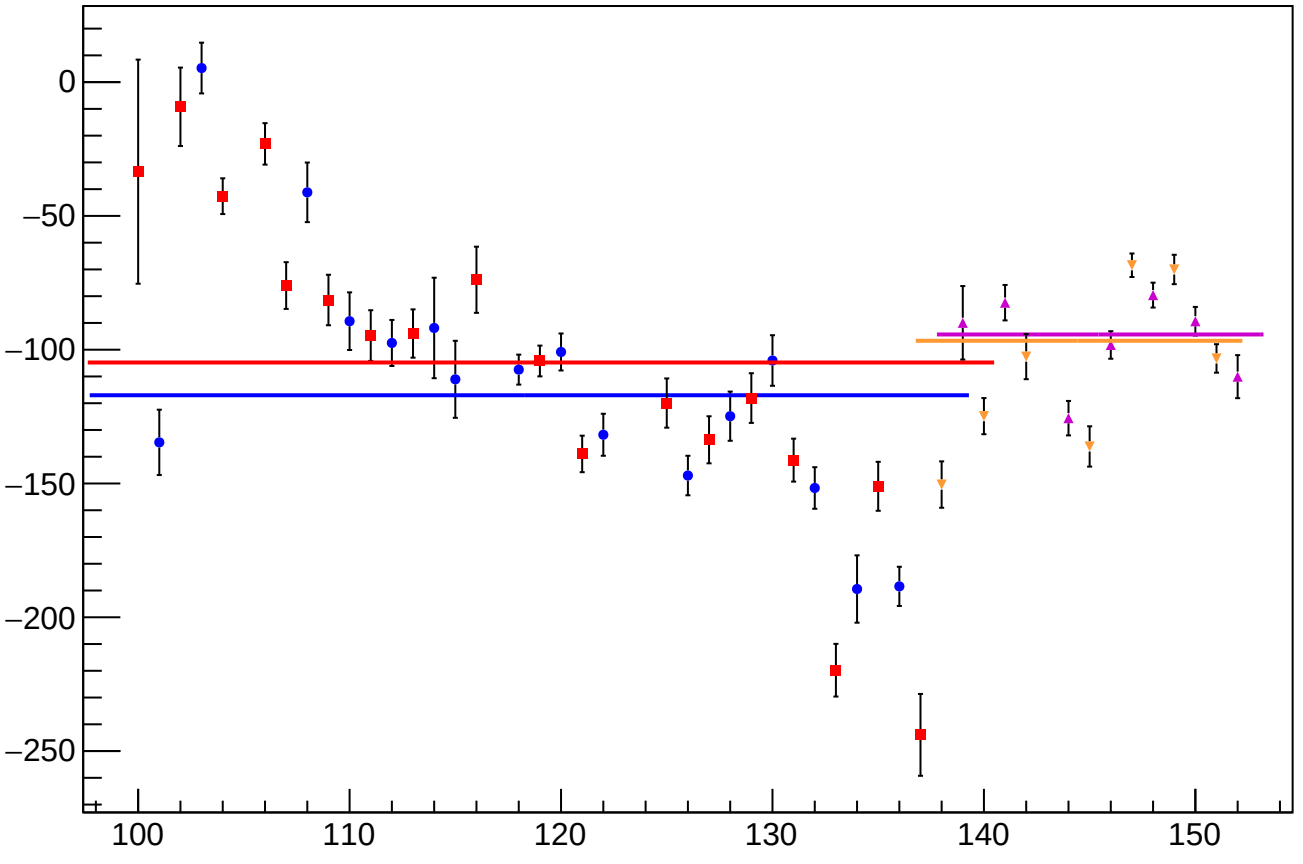
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -457.164+/-2.816 χ^2/NDF:52.9/6

+ sign -419.106+/-1.678 χ^2/NDF: 3577.9/22

All: -406.082+/-1.157 χ^2/NDF: 10702.7/47

- sign -394.253+/-1.599 χ^2/NDF: 7009.8/24



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -96.668+/-2.312 χ^2/NDF:150.0/6

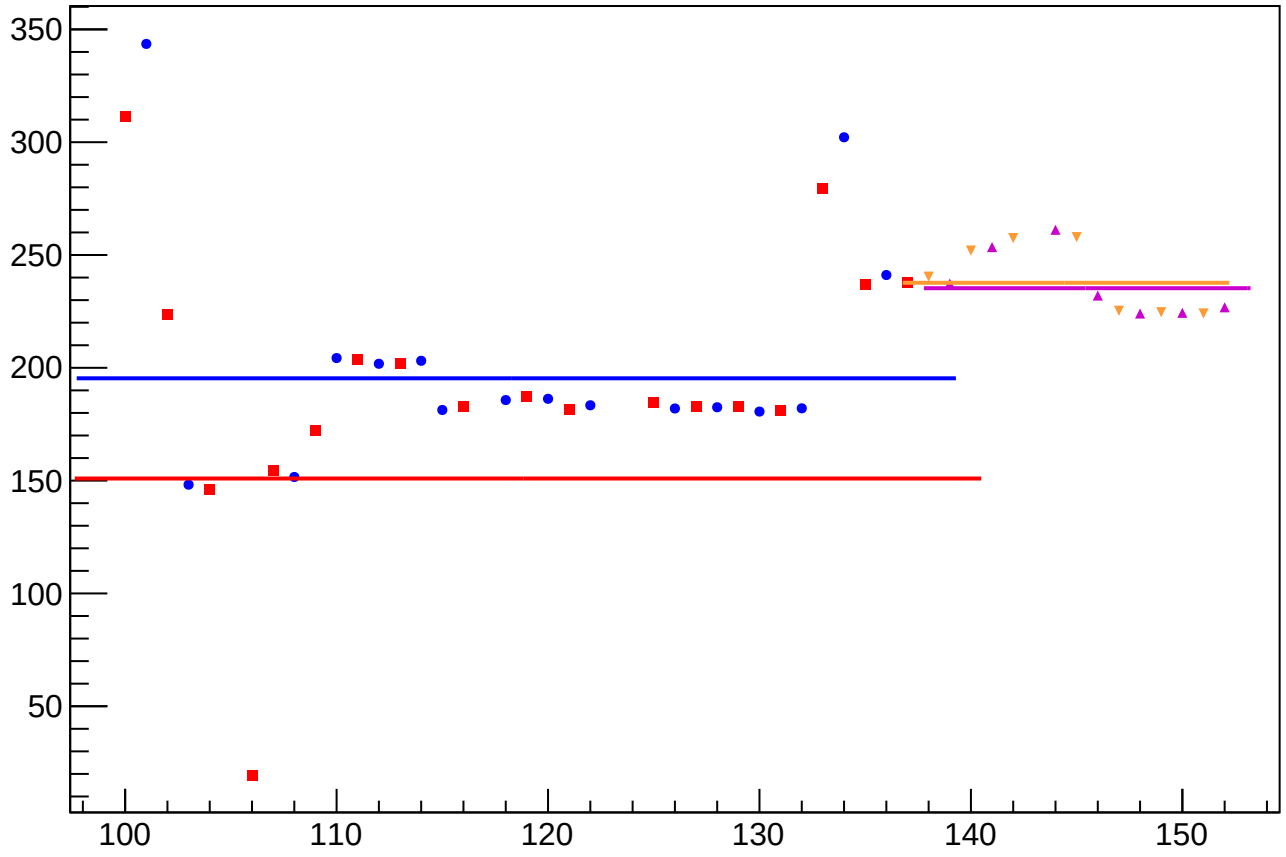
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -94.306+/-2.315 χ^2/NDF:42.2/6

+ sign -107.377+/-1.592 χ^2/NDF: 598.6/22

All: -103.633+/-1.111 χ^2/NDF: 1237.9/47

- sign -100.075+/-1.552 χ^2/NDF: 628.5/24



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 237.687+/-0.120 χ^2/NDF:14036.7/6

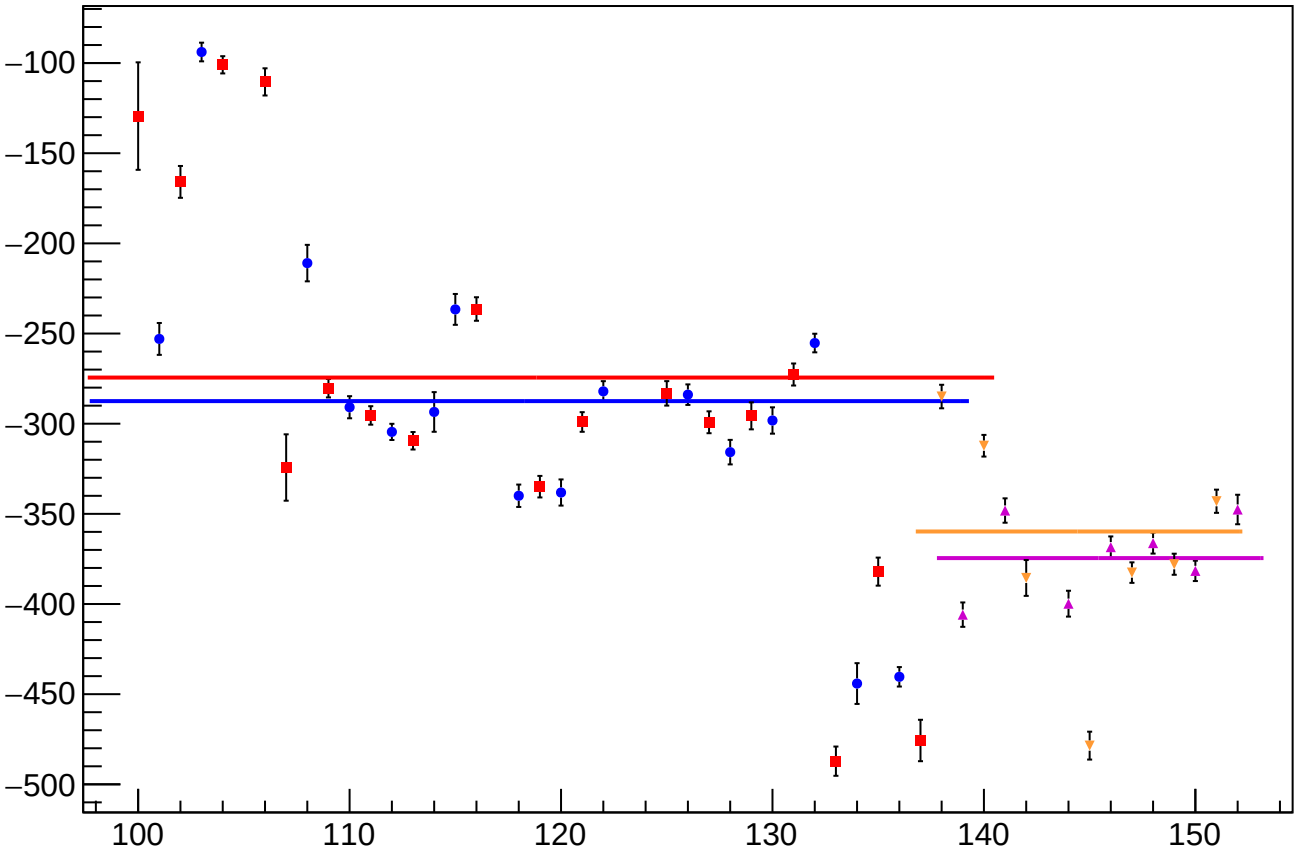
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 235.284+/-0.114 χ^2/NDF:13162.4/6

+ sign 217.391+/-0.086 χ^2/NDF: 251086.0/22

All: 203.499+/-0.058 χ^2/NDF: 1095433.1/47

- sign 191.835+/-0.079 χ^2/NDF: 796665.8/24



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -359.781+/-2.482 χ^2/NDF:469.2/6

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

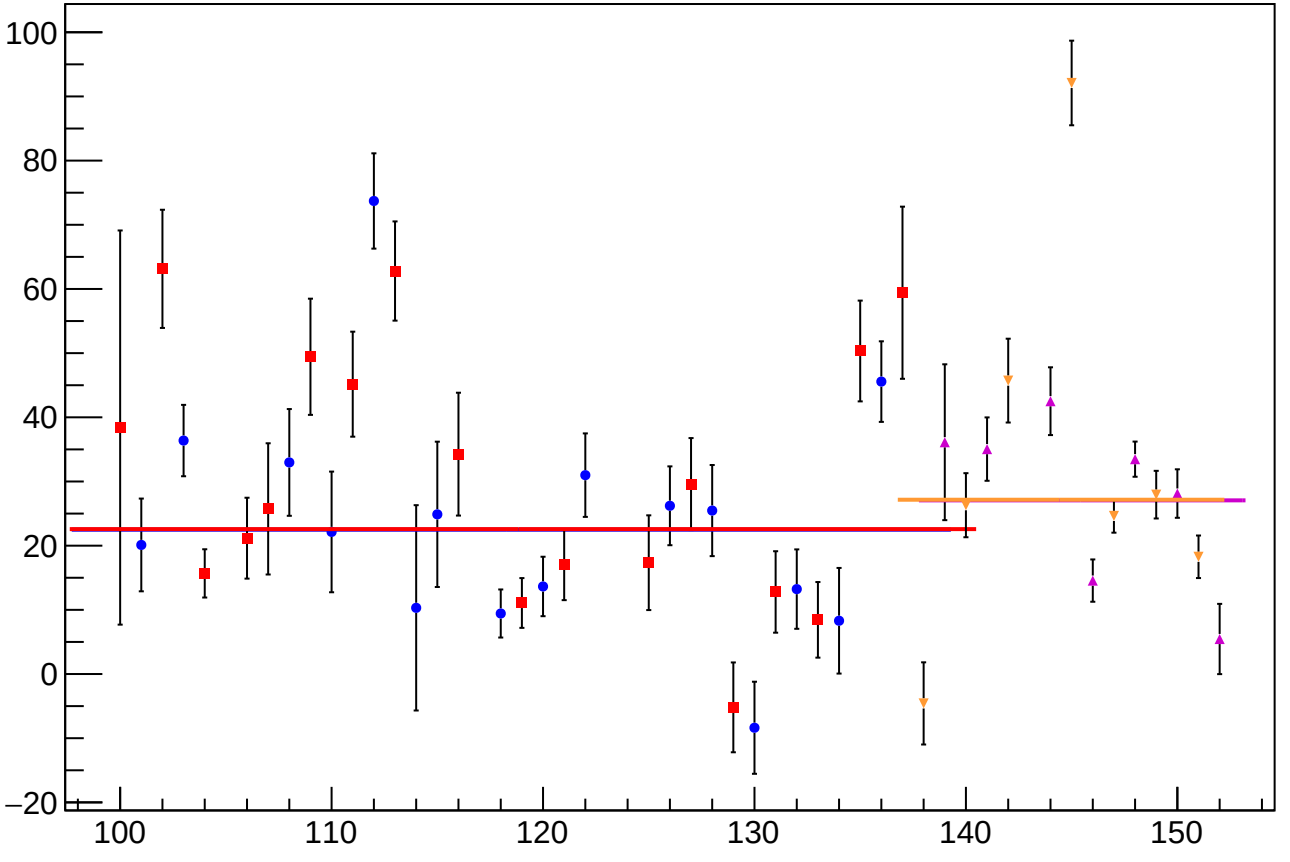
Left In: -374.535+/-2.443 χ^2/NDF:64.7/6

+ sign -308.918+/-1.351 χ^2/NDF: 3762.9/22

All: -305.960+/-0.940 χ^2/NDF: 8446.9/47

- sign -303.182+/-1.310 χ^2/NDF: 4674.7/24

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 27.158+/-1.541 χ^2/NDF:137.9/6

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

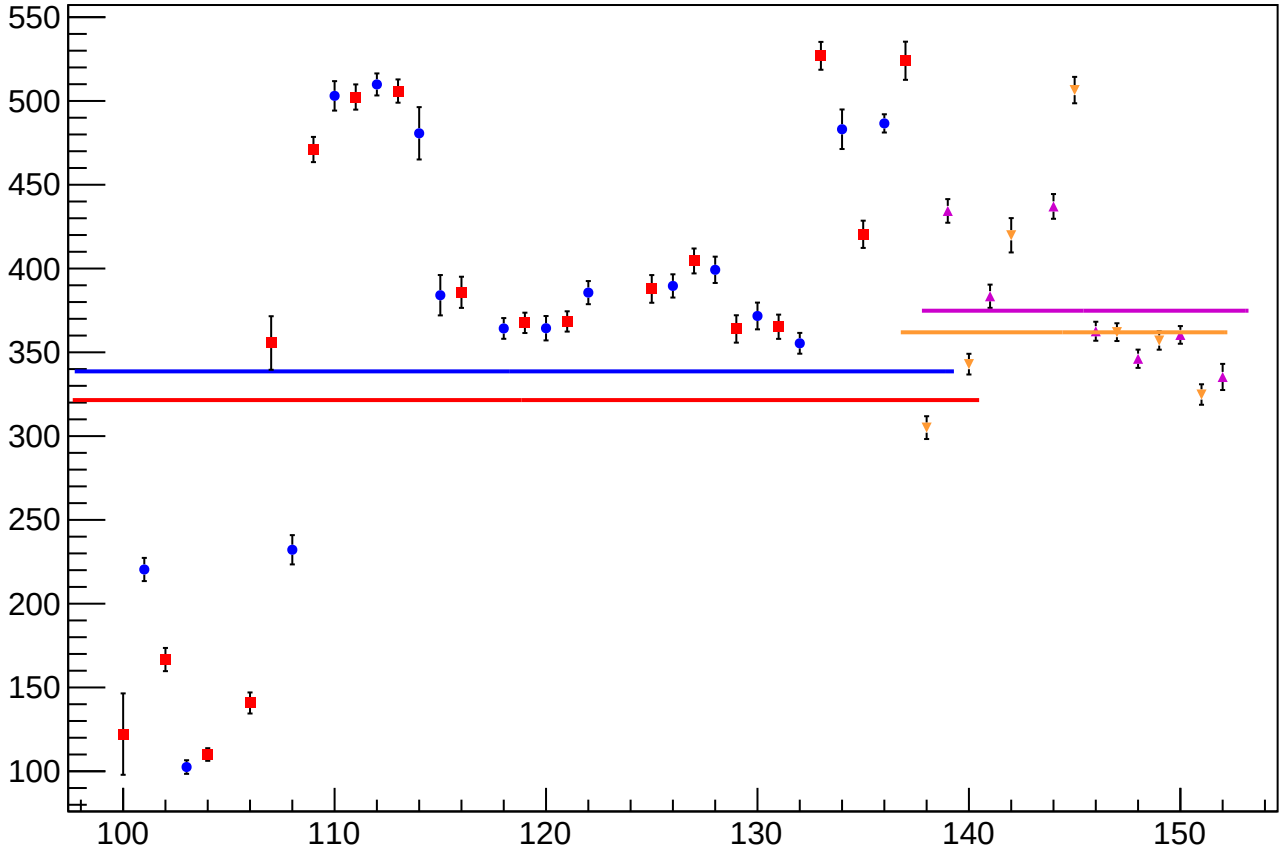
Left In: 27.060+/-1.557 χ^2/NDF:47.3/6

+ sign 24.943+/-1.117 χ^2/NDF: 253.7/22

All: 24.890+/-0.786 χ^2/NDF: 428.4/47

- sign 24.838+/-1.106 χ^2/NDF: 174.7/24

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: 361.943+/-2.430 χ^2/NDF:485.7/6

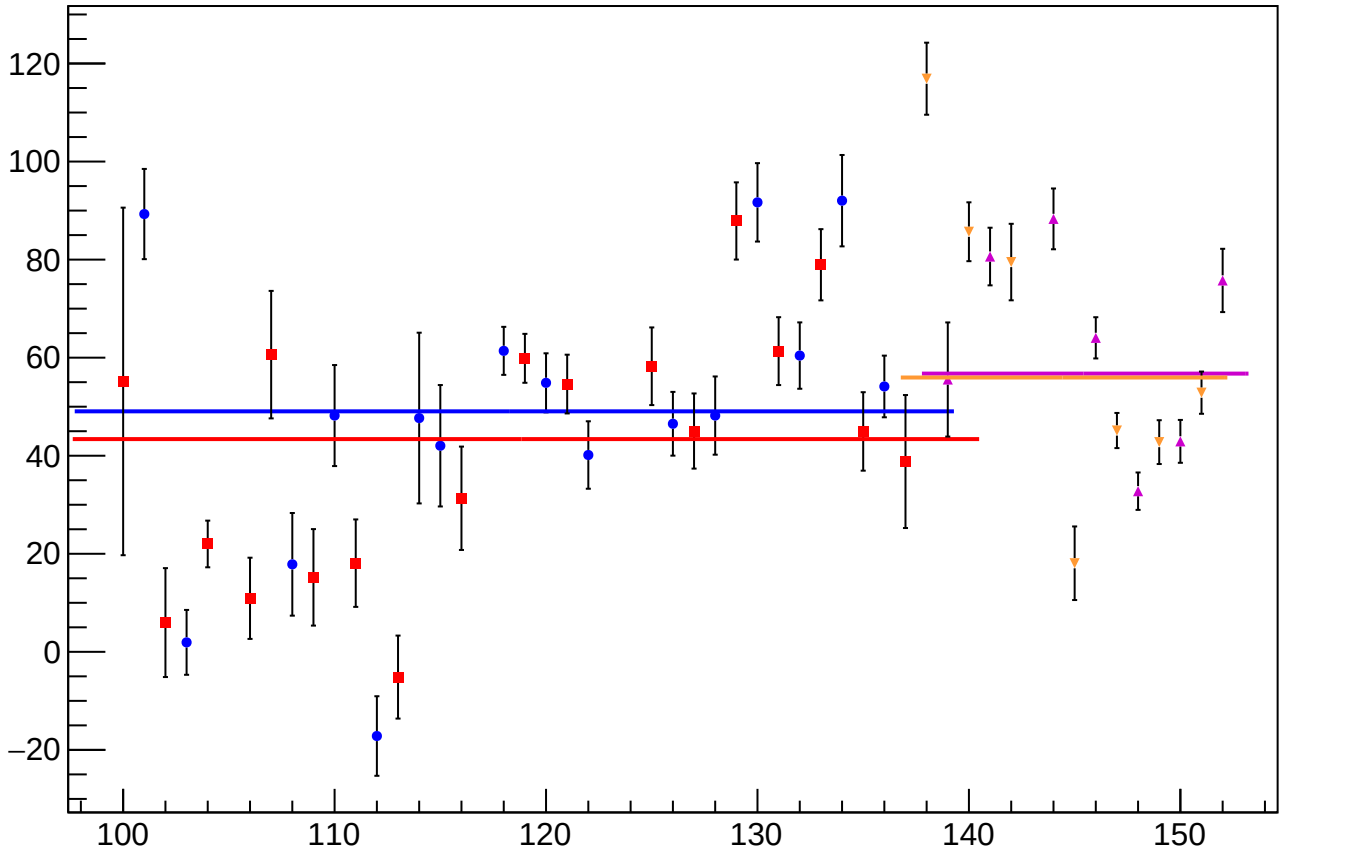
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 374.831+/-2.380 χ^2/NDF:209.4/6

+ sign 346.581+/-1.419 χ^2/NDF: 6589.0/22

All: 342.907+/-0.989 χ^2/NDF: 14865.4/47

- sign 339.433+/-1.380 χ^2/NDF: 8263.4/24



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 55.952+/-1.953 χ^2/NDF:146.2/6

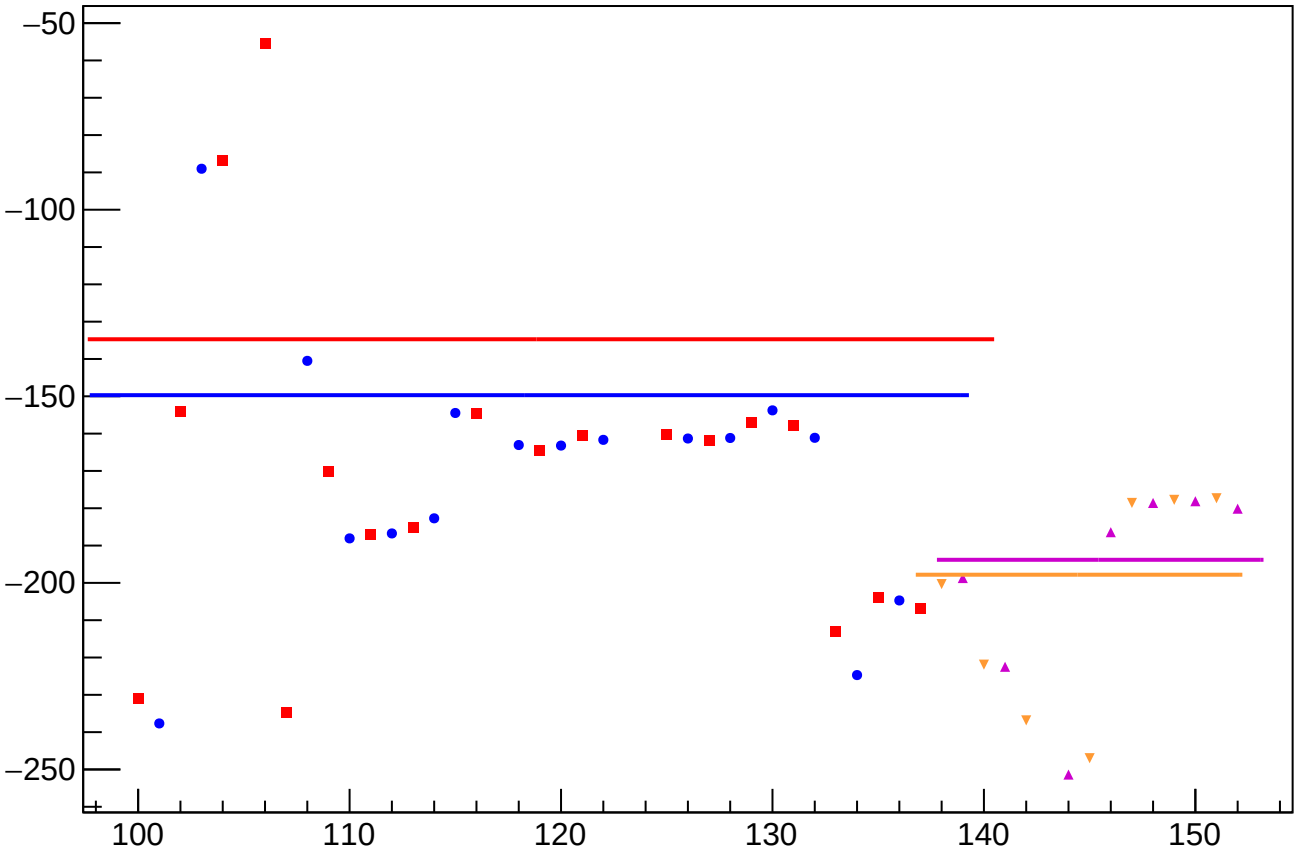
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 56.749+/-1.946 χ^2/NDF:103.6/6

+ sign 52.376+/-1.355 χ^2/NDF: 360.6/22

All: 51.004+/-0.951 χ^2/NDF: 671.2/47

- sign 49.673+/-1.335 χ^2/NDF: 308.6/24



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -197.811+/-0.102 χ^2/NDF:62605.5/6

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

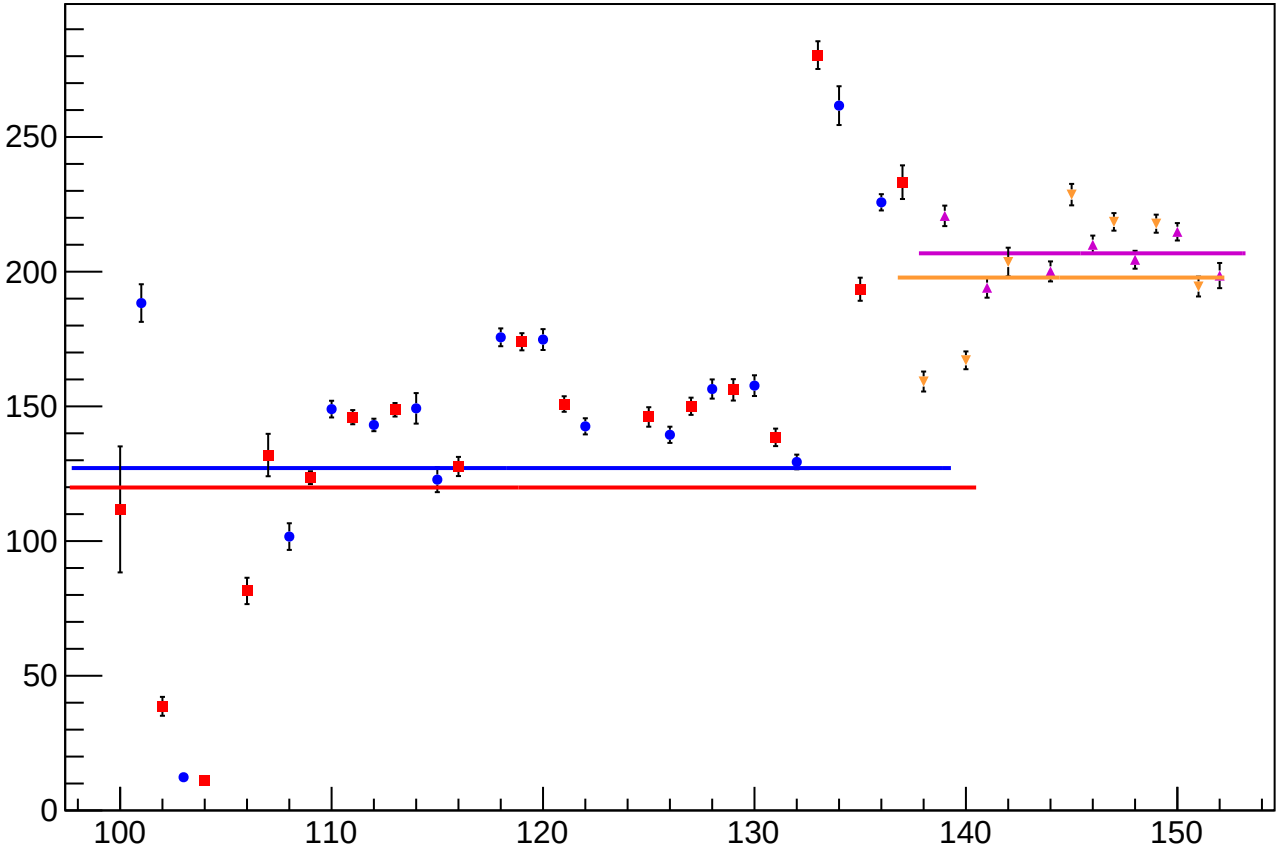
Left In: -193.814+/-0.096 χ^2/NDF:54161.2/6

+ sign -173.512+/-0.072 χ^2/NDF: 431795.4/22

All: -168.874+/-0.049 χ^2/NDF: 994829.4/47

- sign -164.684+/-0.068 χ^2/NDF: 555059.0/24

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 197.823+/-1.387 χ^2/NDF:332.5/6

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

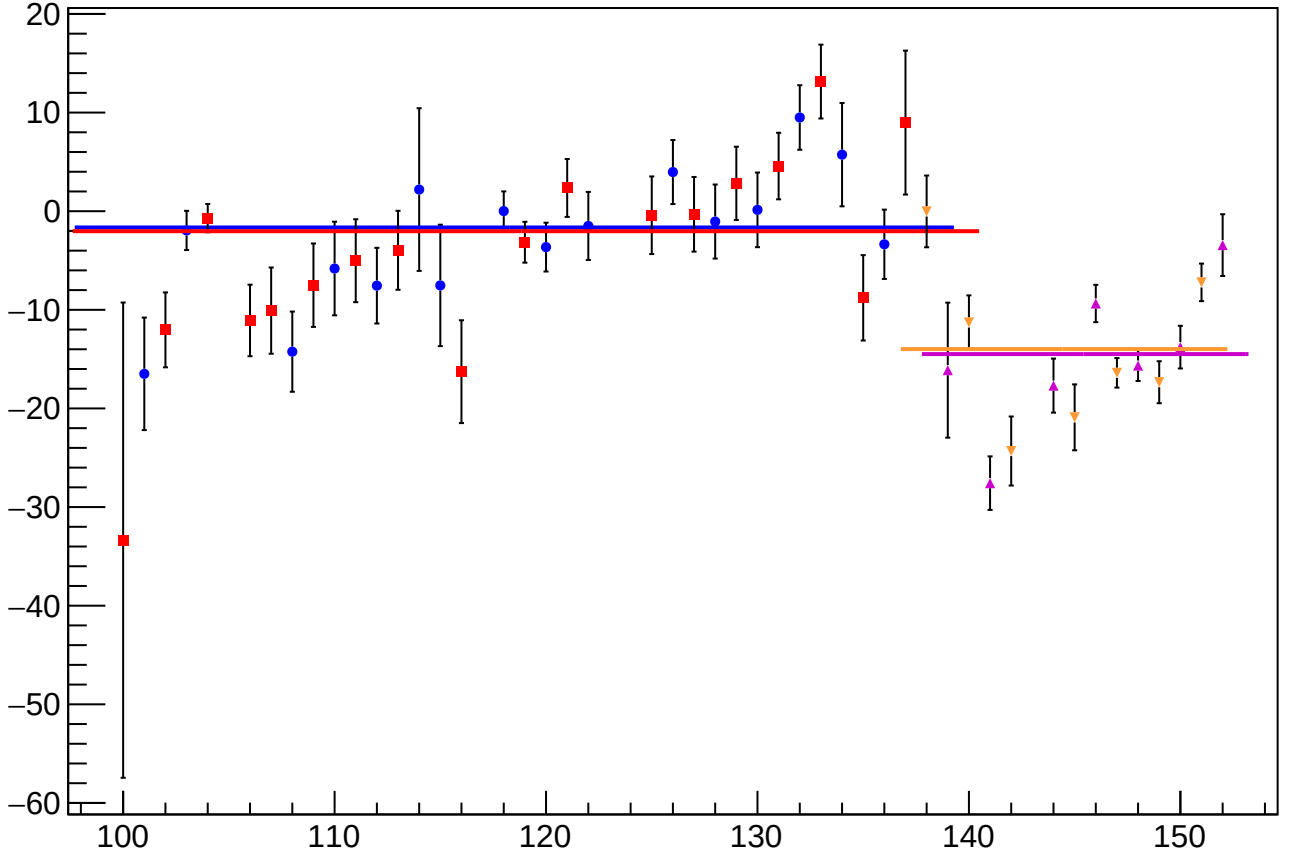
Left In: 206.815+/-1.370 χ^2/NDF:39.1/6

+ sign 145.104+/-0.700 χ^2/NDF: 8432.5/22

All: 142.938+/-0.486 χ^2/NDF: 18191.5/47

- sign 140.930+/-0.674 χ^2/NDF: 9740.6/24

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: -13.979+/-0.869 χ^2/NDF:46.4/6

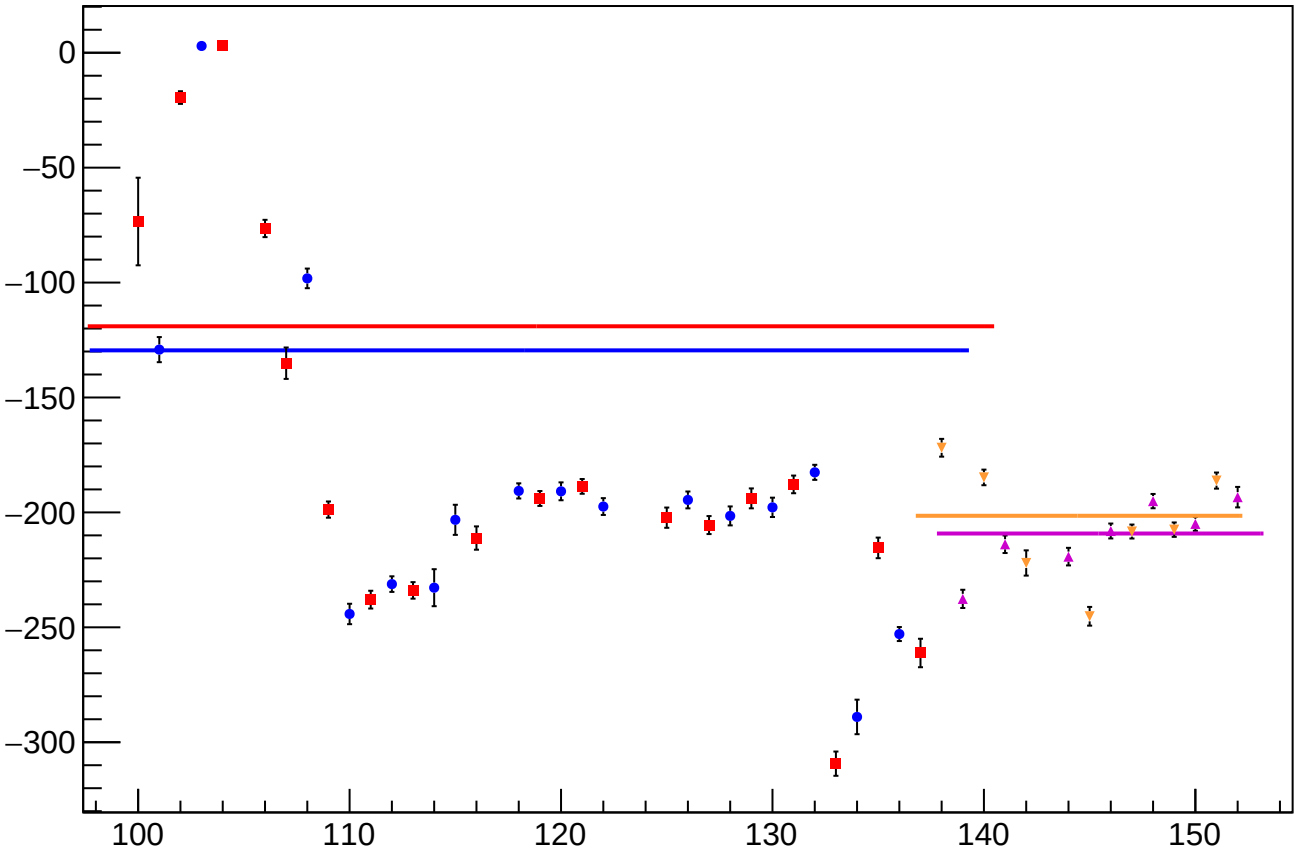
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -14.488+/-0.879 χ^2/NDF:45.1/6

+ sign -7.549+/-0.601 χ^2/NDF: 190.4/22

All: -7.492+/-0.417 χ^2/NDF: 407.8/47

- sign -7.439+/-0.579 χ^2/NDF: 217.4/24



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.472+/-1.362 χ^2/NDF:239.8/6

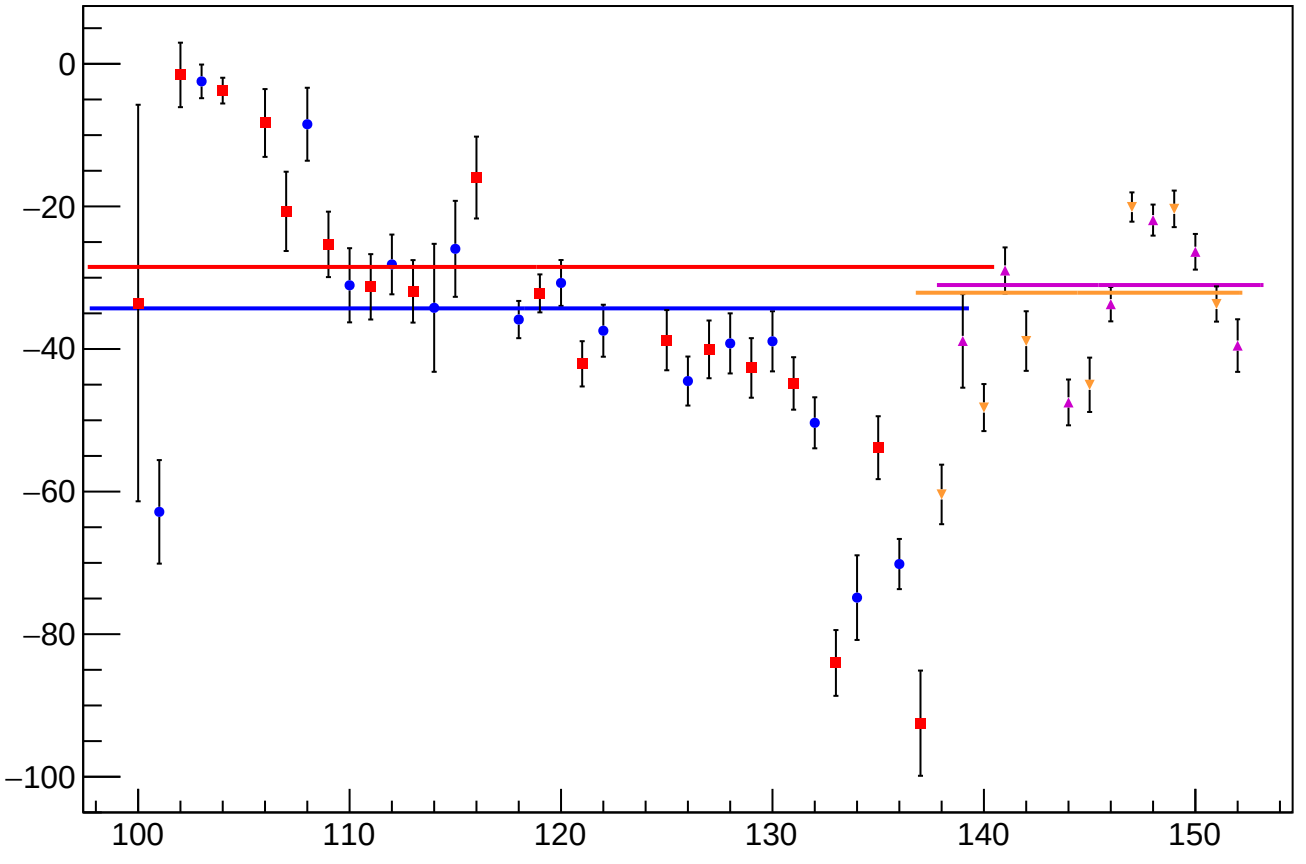
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -209.185+/-1.337 χ^2/NDF:95.1/6

+ sign -149.540+/-0.719 χ^2/NDF: 16941.4/22

All: -146.335+/-0.500 χ^2/NDF: 36571.6/47

- sign -143.344+/-0.695 χ^2/NDF: 19591.8/24



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -32.105+/-1.099 χ^2/NDF:139.6/6

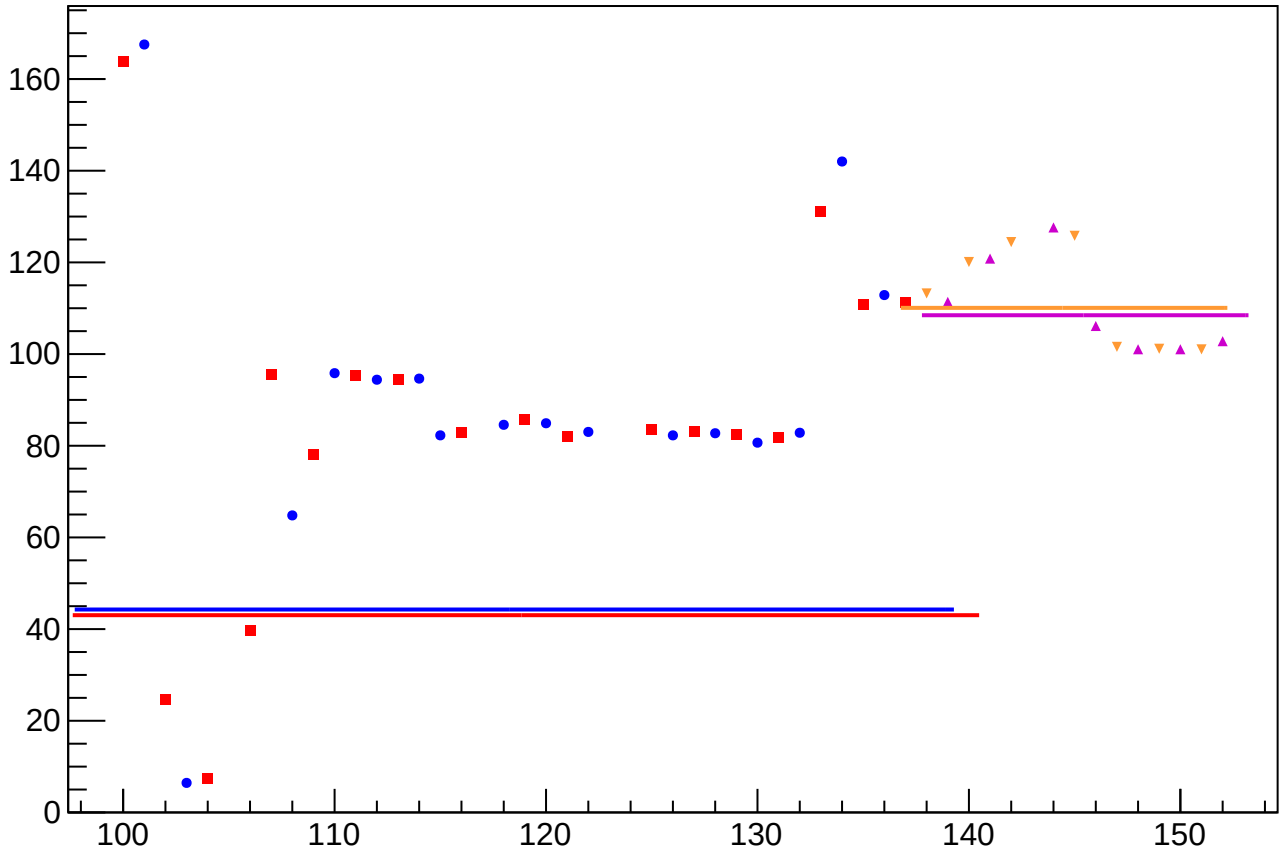
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -31.027+/-1.096 χ^2/NDF:55.6/6

+ sign -33.341+/-0.726 χ^2/NDF: 553.1/22

All: -31.357+/-0.504 χ^2/NDF: 1194.3/47

- sign -29.519+/-0.699 χ^2/NDF: 626.8/24



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 110.080+/-0.057 χ^2/NDF:31106.1/6

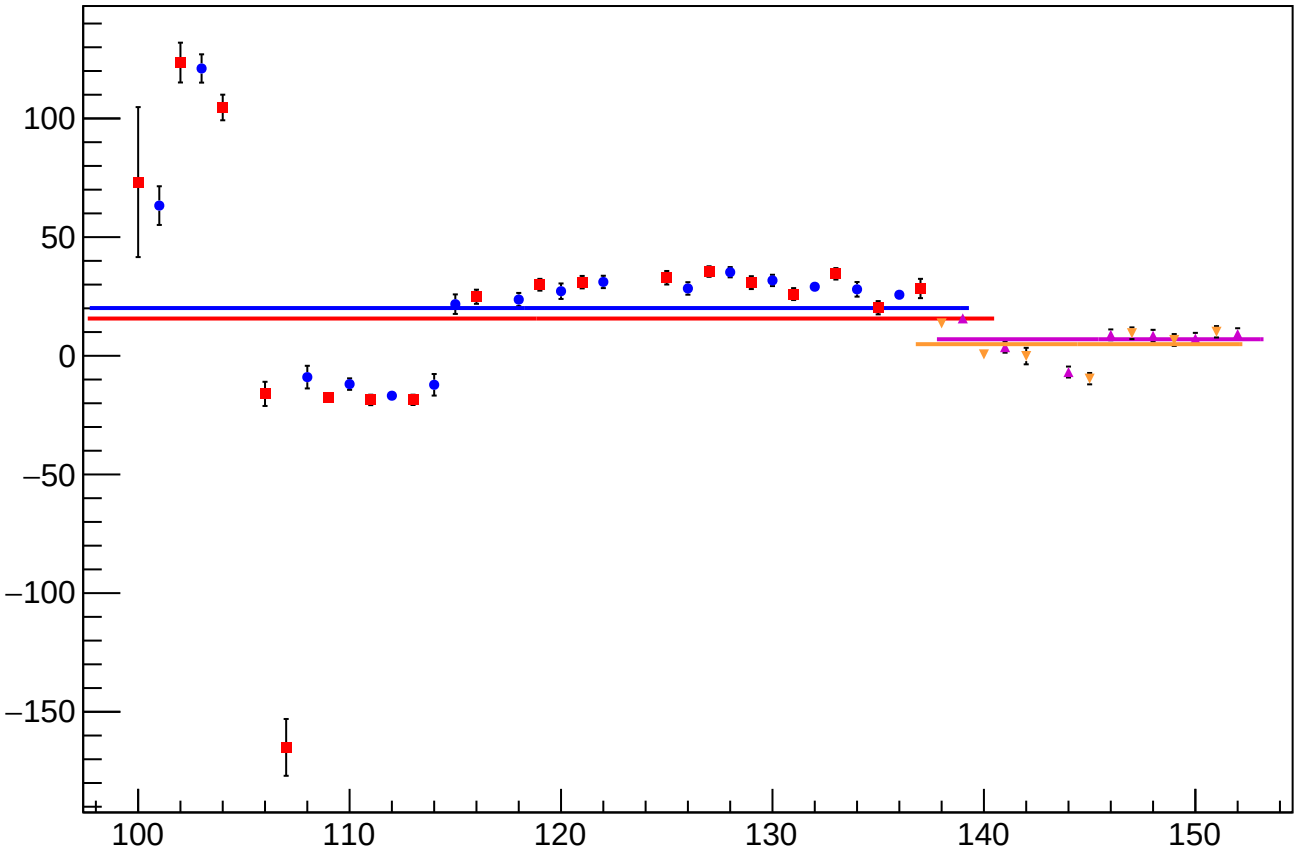
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 108.472+/-0.054 χ^2/NDF:27853.0/6

+ sign 69.472+/-0.035 χ^2/NDF: 1937184.5/22

All: 69.731+/-0.025 χ^2/NDF: 3639567.0/47

- sign 69.979+/-0.035 χ^2/NDF: 1702277.0/24



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 4.898+/-0.907 χ^2/NDF:69.4/6

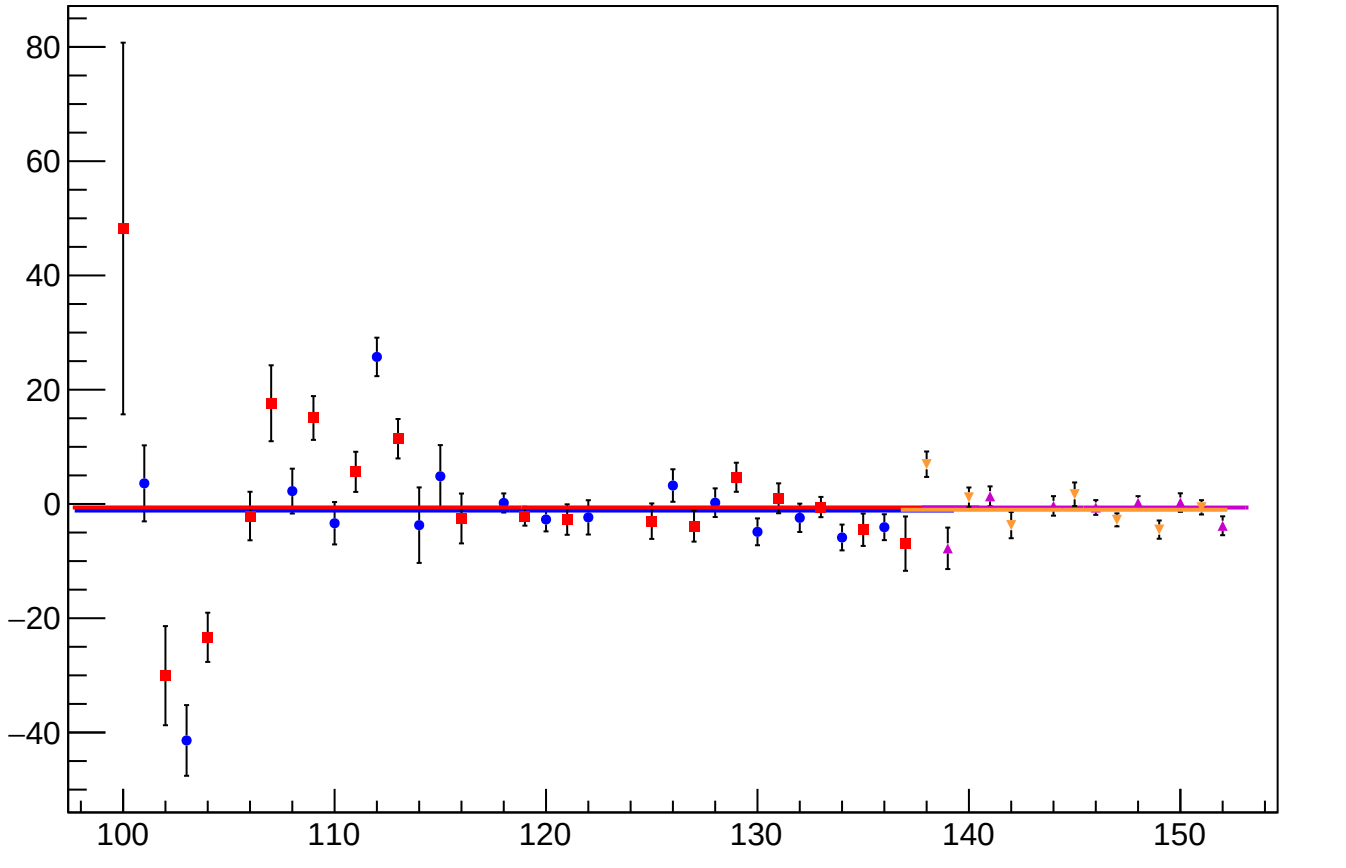
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.974+/-0.873 χ^2/NDF:58.9/6

+ sign 14.567+/-0.548 χ^2/NDF: 1296.4/22

All: 13.460+/-0.384 χ^2/NDF: 3199.2/47

- sign 12.393+/-0.537 χ^2/NDF: 1894.8/24



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -1.017+/-0.602 χ^2/NDF:24.7/6

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

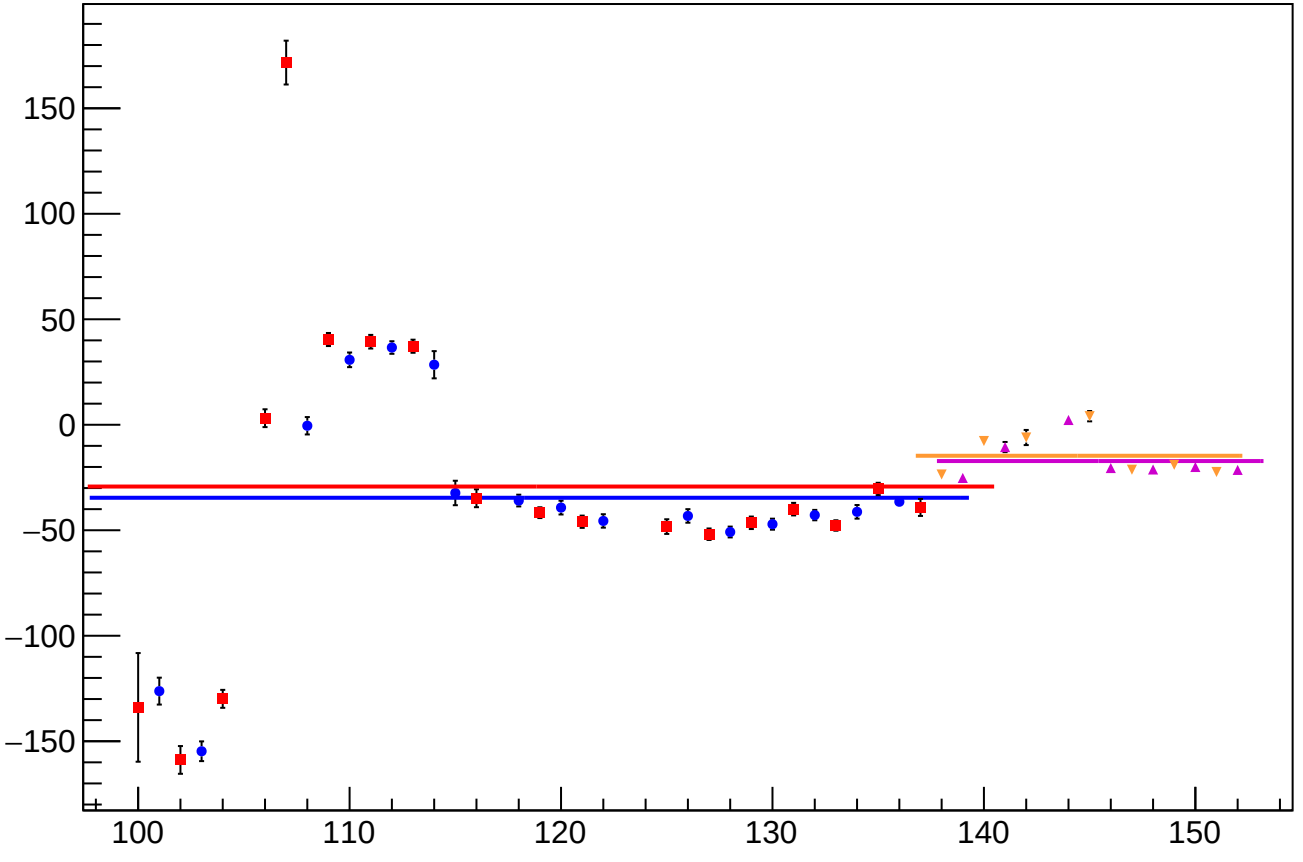
Left In: -0.627+/-0.594 χ^2/NDF:9.7/6

+ sign -1.074+/-0.456 χ^2/NDF: 146.6/22

All: -0.848+/-0.323 χ^2/NDF: 250.2/47

- sign -0.622+/-0.456 χ^2/NDF: 103.1/24

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -14.692+/-0.899 χ^2/NDF:114.9/6

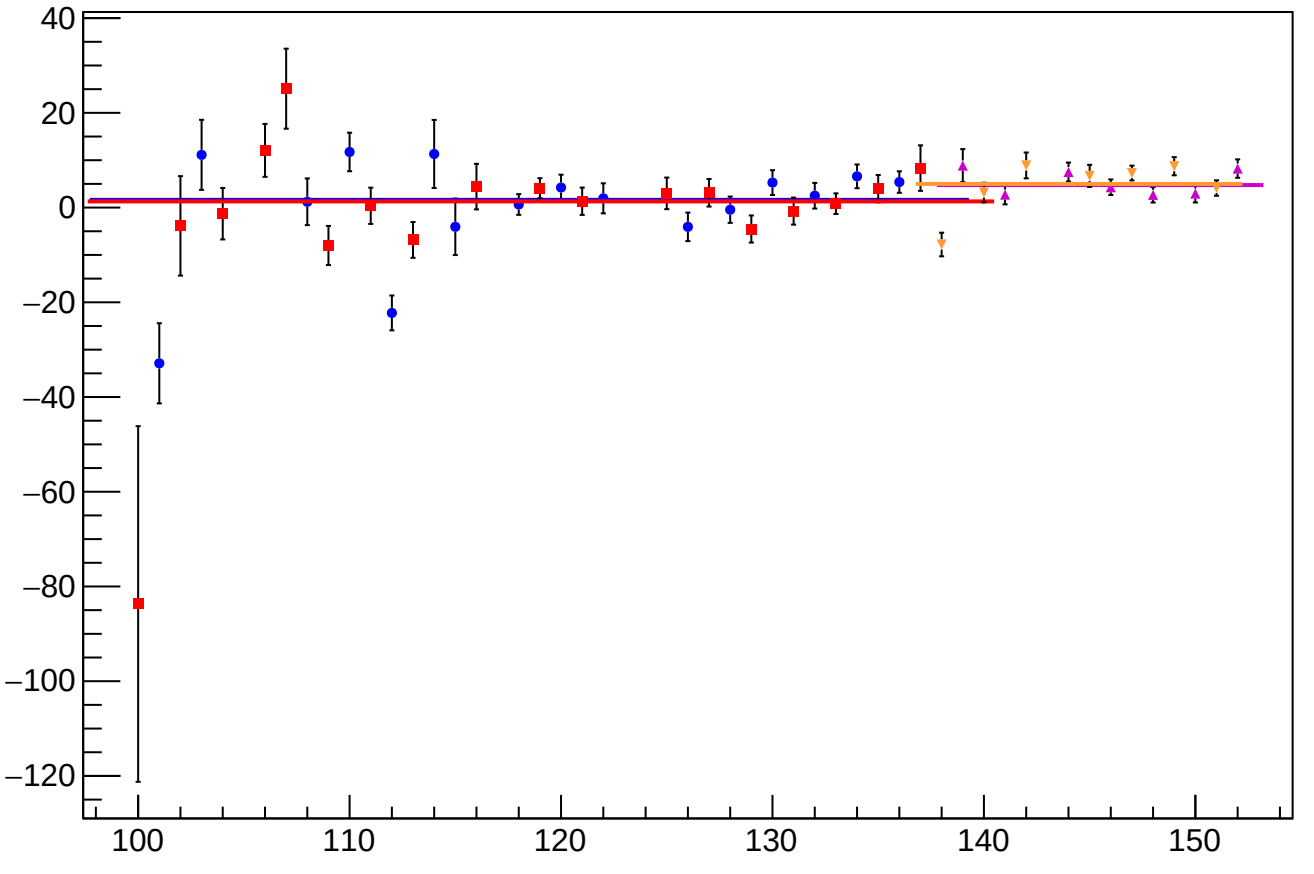
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.199+/-0.859 χ^2/NDF:99.4/6

+ sign -25.971+/-0.592 χ^2/NDF: 2451.2/22

All: -24.808+/-0.416 χ^2/NDF: 5745.2/47

- sign -23.670+/-0.585 χ^2/NDF: 3286.3/24



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.990+/-0.752 χ^2/NDF:35.9/6

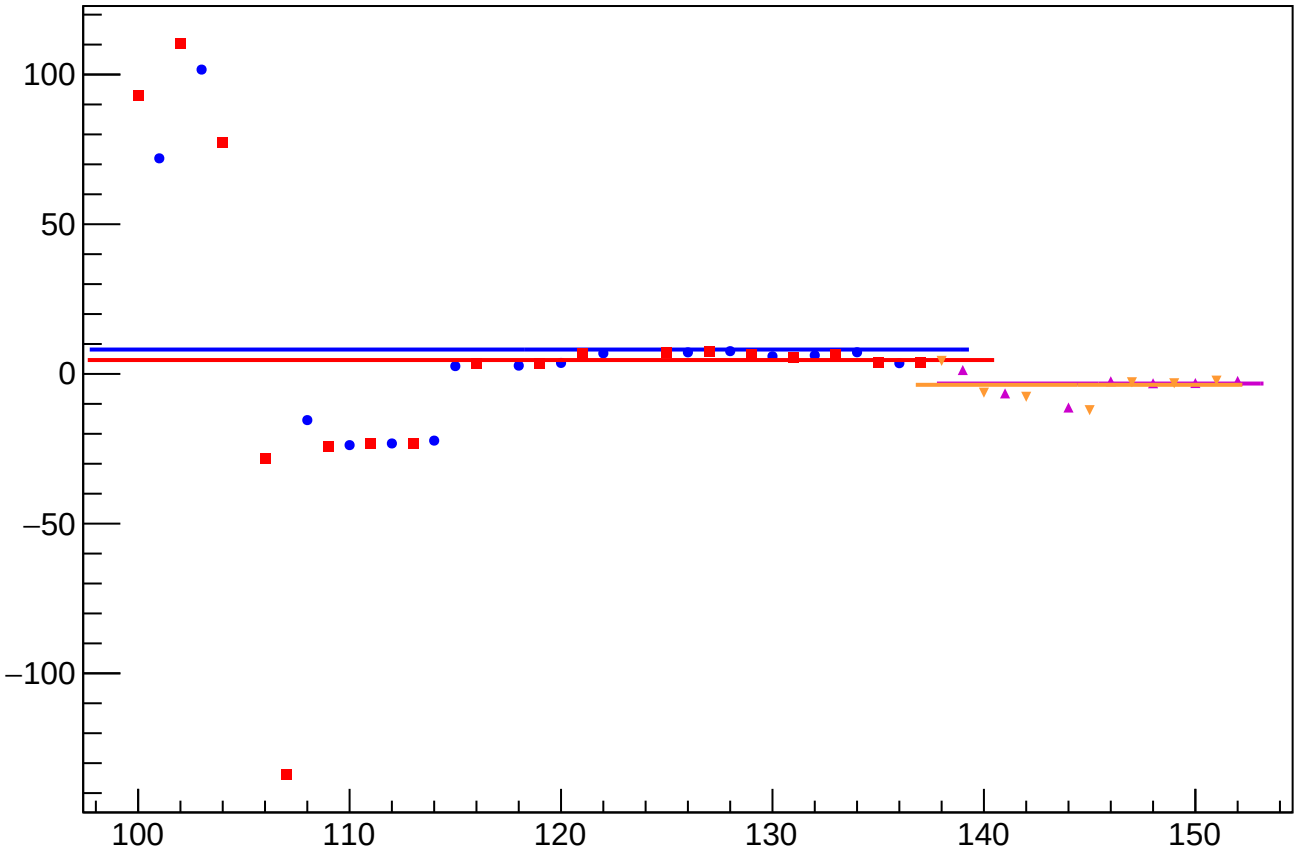
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.753+/-0.731 χ^2/NDF:10.1/6

+ sign 3.408+/-0.547 χ^2/NDF: 128.5/22

All: 3.311+/-0.386 χ^2/NDF: 186.2/47

- sign 3.216+/-0.545 χ^2/NDF: 57.6/24



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.635+/-0.037 χ^2/NDF:18302.1/6

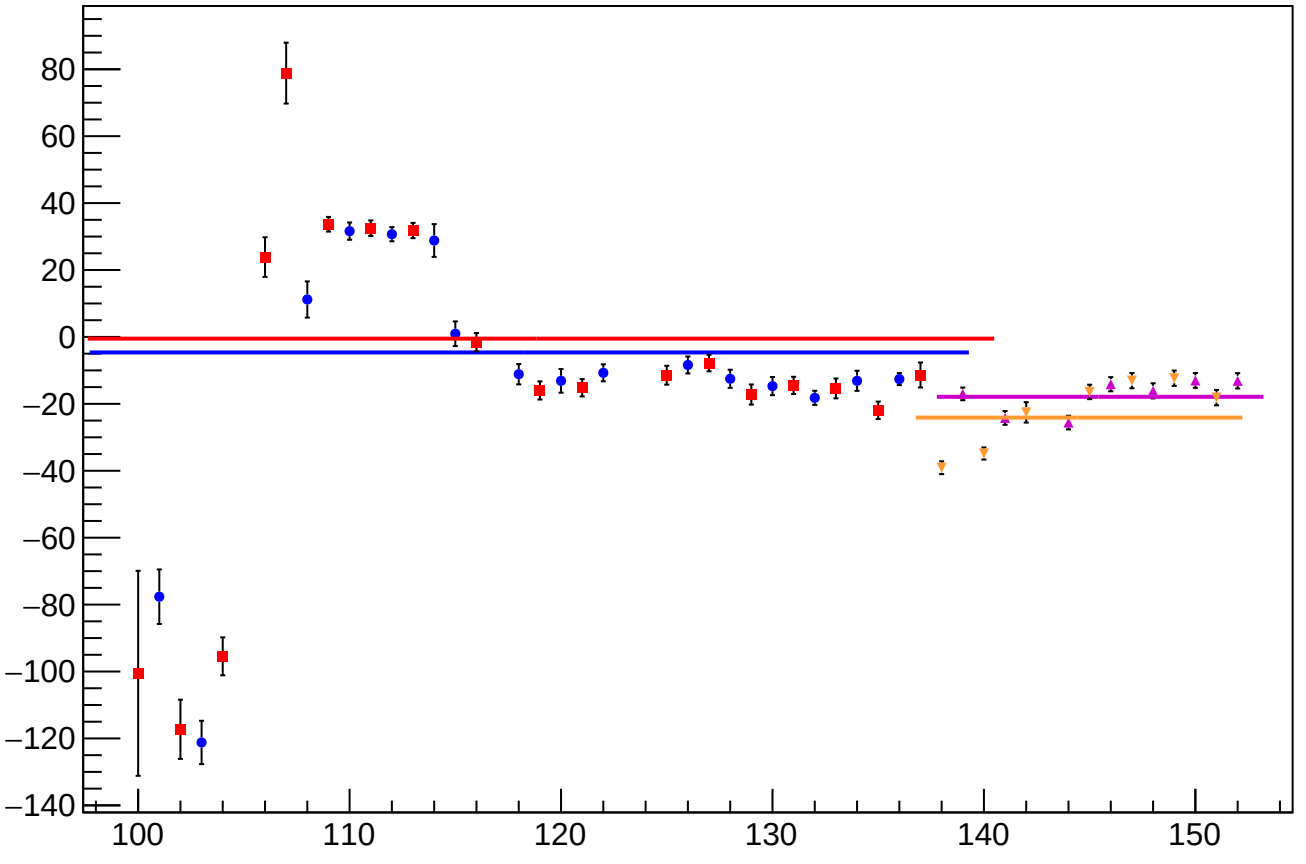
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.210+/-0.034 χ^2/NDF:10643.5/6

+ sign 0.718+/-0.029 χ^2/NDF: 369052.5/22

All: -0.084+/-0.020 χ^2/NDF: 844019.3/47

- sign -0.834+/-0.028 χ^2/NDF: 473526.4/24



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -24.104+/-0.826 χ^2/NDF:165.0/6

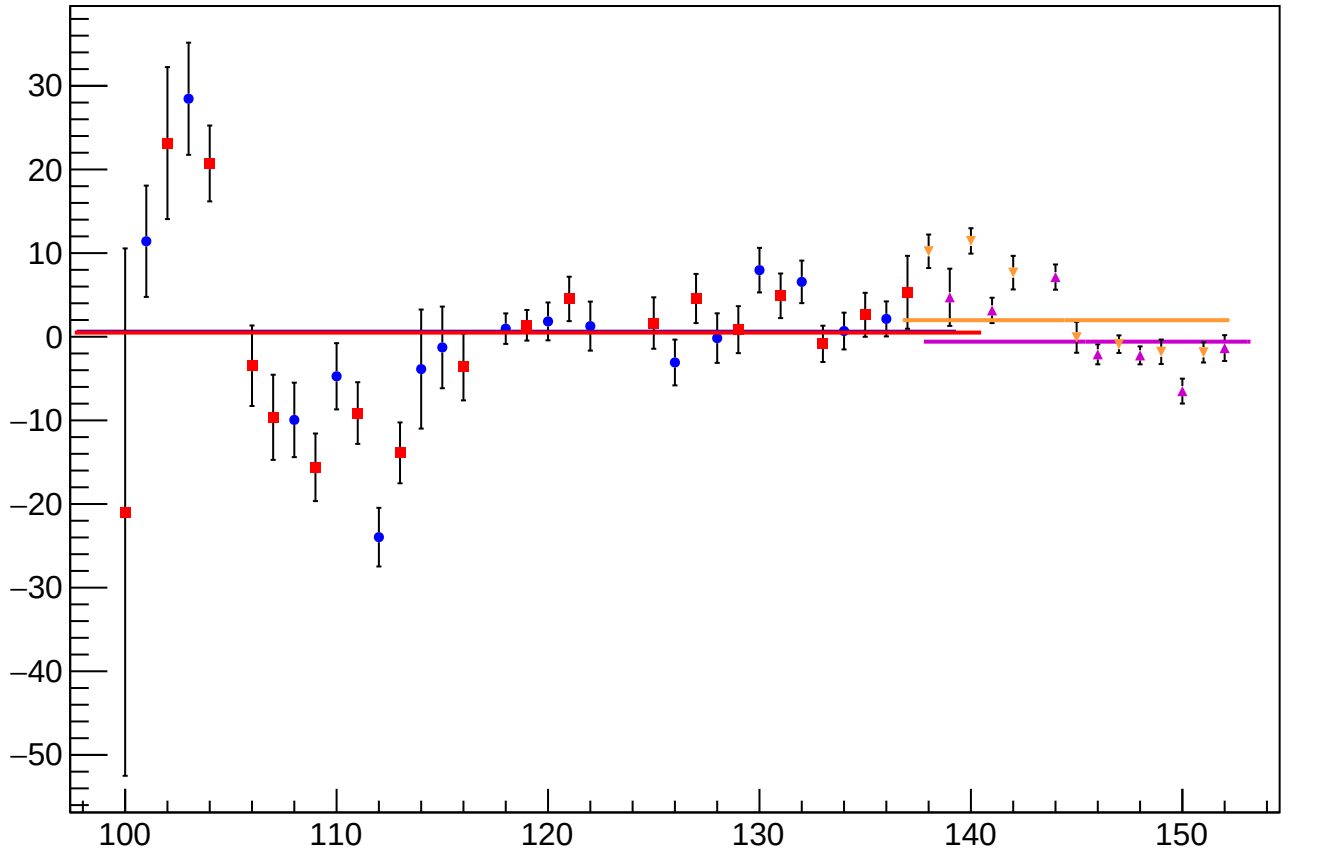
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -17.895+/-0.799 χ^2/NDF:36.8/6

+ sign -12.935+/-0.539 χ^2/NDF: 1530.1/22

All: -10.526+/-0.378 χ^2/NDF: 3328.5/47

- sign -8.185+/-0.531 χ^2/NDF: 1758.9/24



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.982+/-0.553 χ^2/NDF:89.2/6

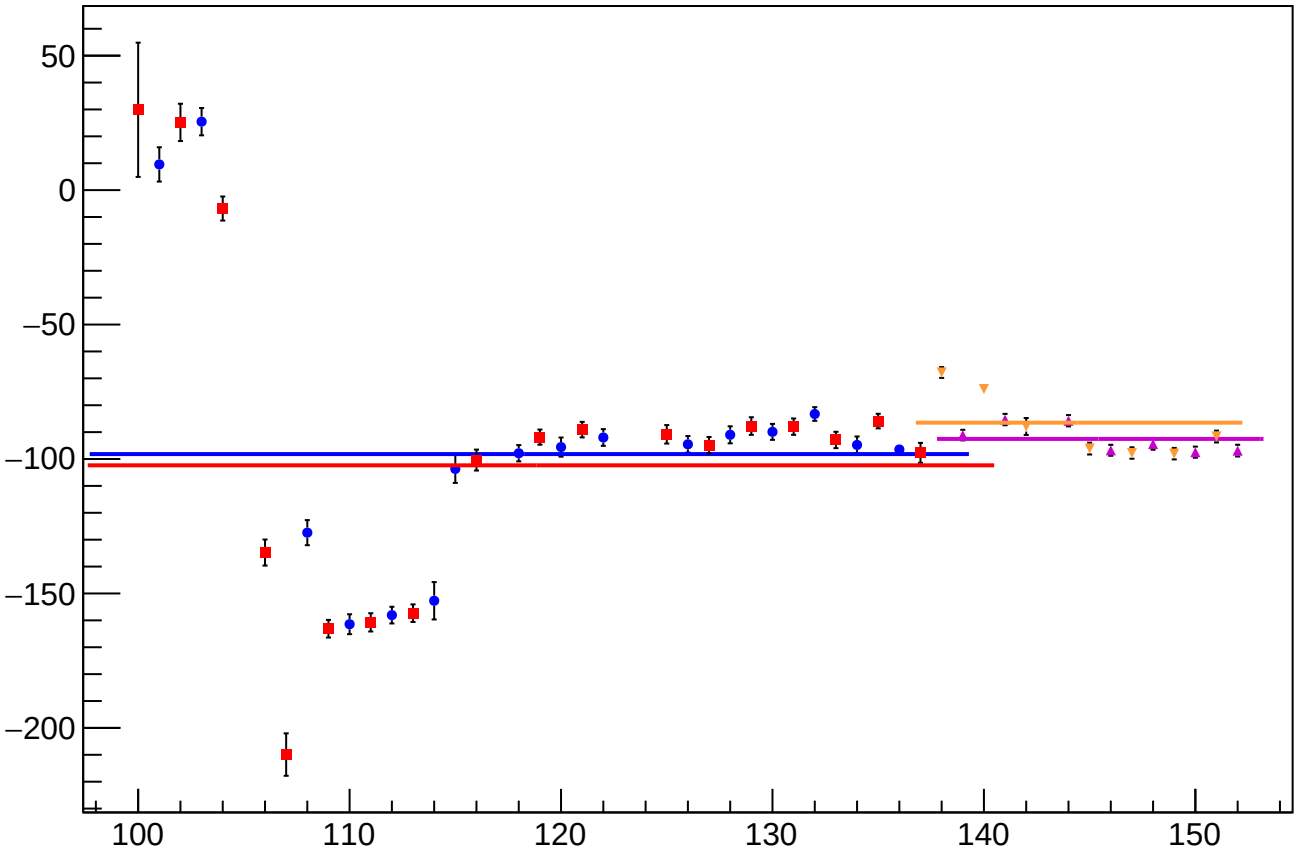
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.588+/-0.542 χ^2/NDF:54.7/6

+ sign 1.477+/-0.440 χ^2/NDF: 184.4/22

All: 0.630+/-0.311 χ^2/NDF: 328.0/47

- sign -0.219+/-0.440 χ^2/NDF: 136.2/24



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -86.478+/-0.820 χ^2/NDF:213.1/6

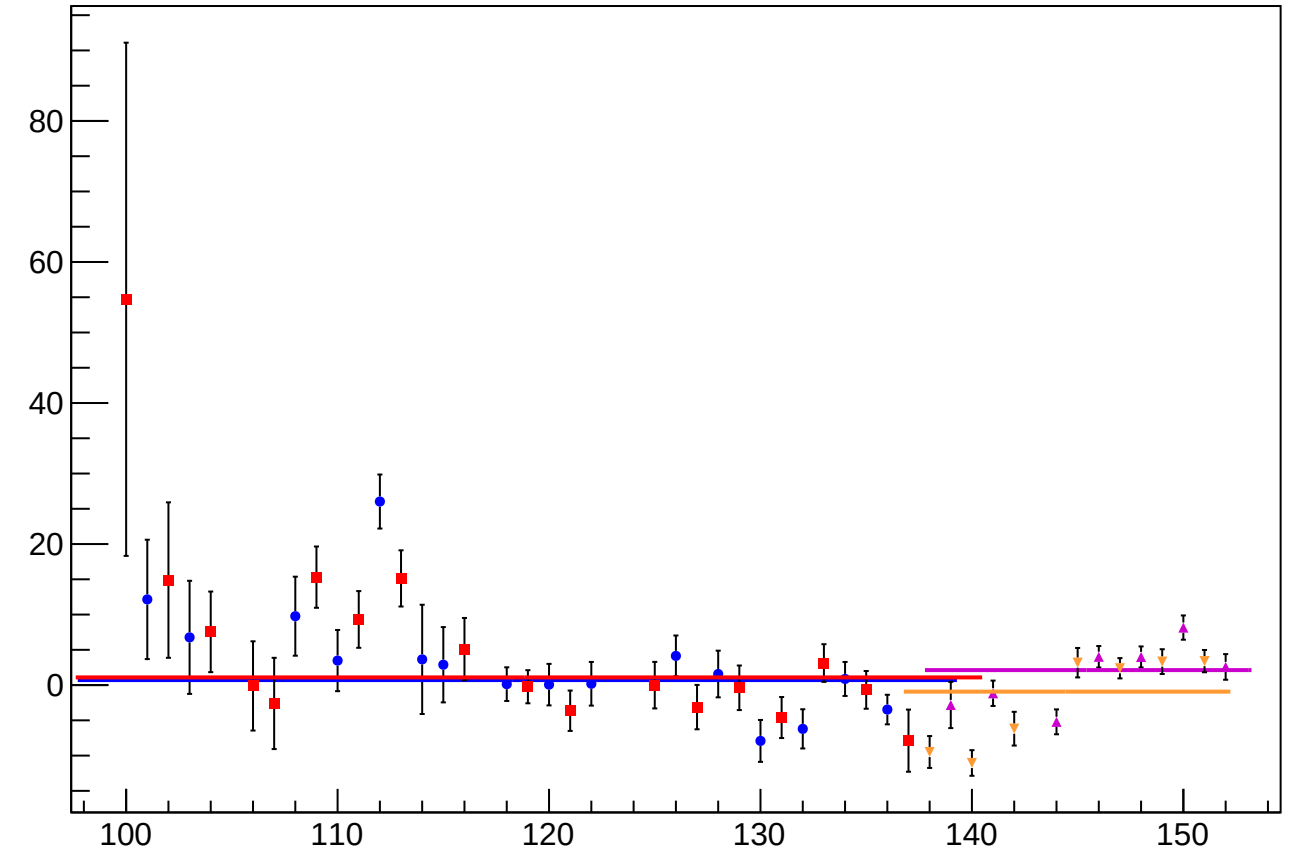
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -92.527+/-0.787 χ^2/NDF:37.2/6

+ sign -92.374+/-0.577 χ^2/NDF: 2015.6/22

All: -94.771+/-0.407 χ^2/NDF: 4277.7/47

- sign -97.137+/-0.573 χ^2/NDF: 2227.8/24



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -0.928+/-0.688 χ^2/NDF:72.7/6

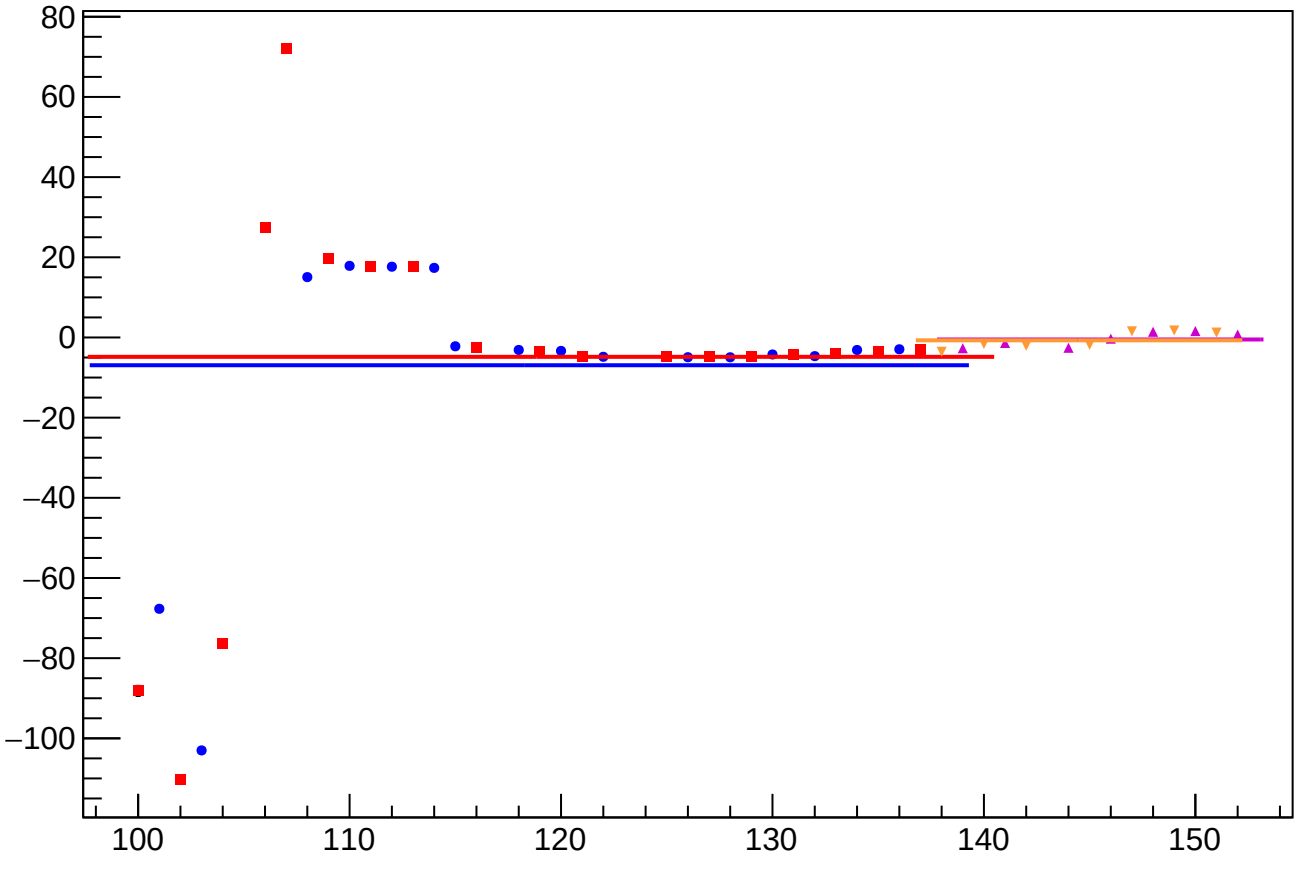
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 2.125+/-0.667 χ^2/NDF:38.4/6

+ sign -0.252+/-0.528 χ^2/NDF: 144.6/22

All: 0.743+/-0.373 χ^2/NDF: 238.7/47

- sign 1.733+/-0.526 χ^2/NDF: 86.9/24



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.713+/-0.034 χ^2/NDF:3513.6/6

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

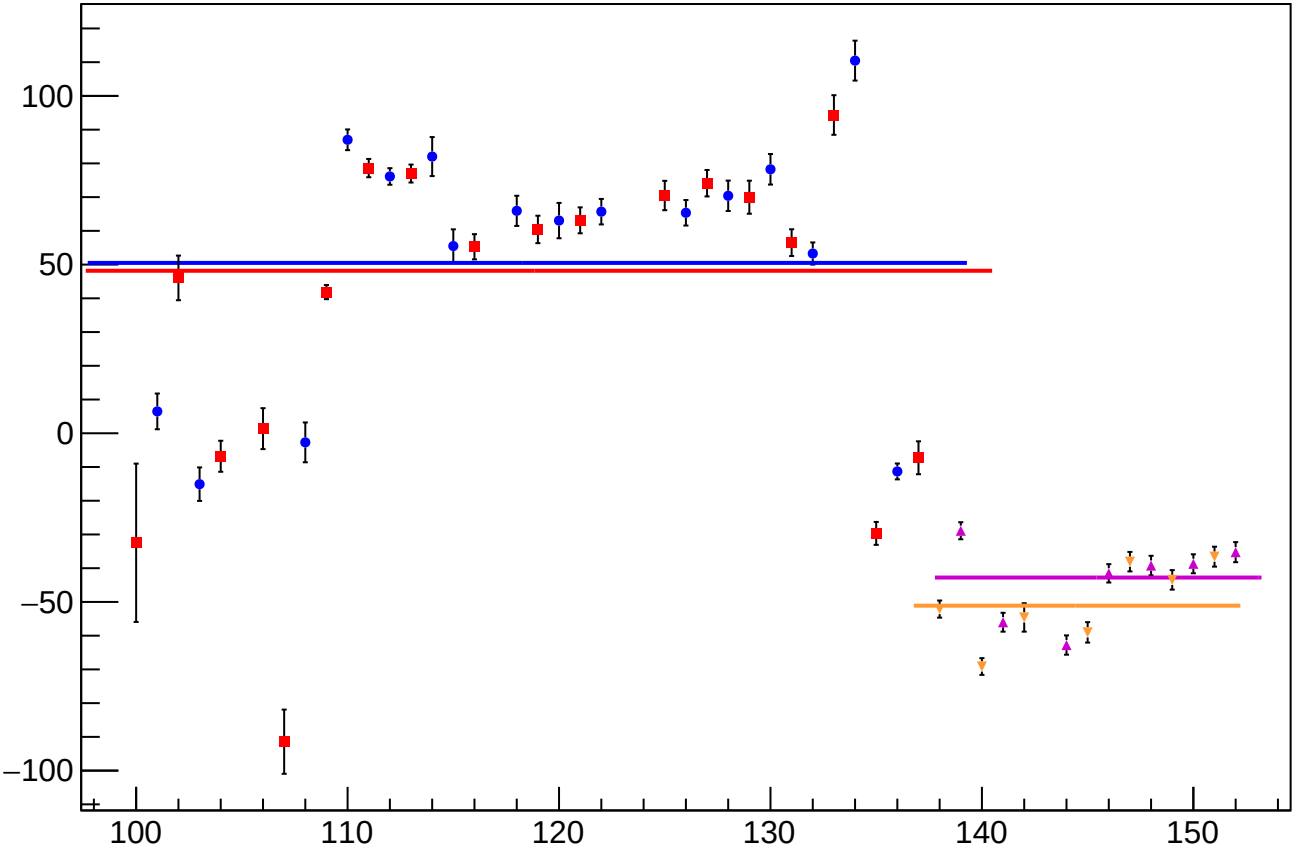
Left In: -0.503+/-0.031 χ^2/NDF:2942.2/6

+ sign -2.749+/-0.028 χ^2/NDF: 279725.8/22

All: -2.171+/-0.019 χ^2/NDF: 627846.6/47

- sign -1.628+/-0.027 χ^2/NDF: 347282.0/24

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -51.106+/-1.093 χ^2/NDF:112.1/6

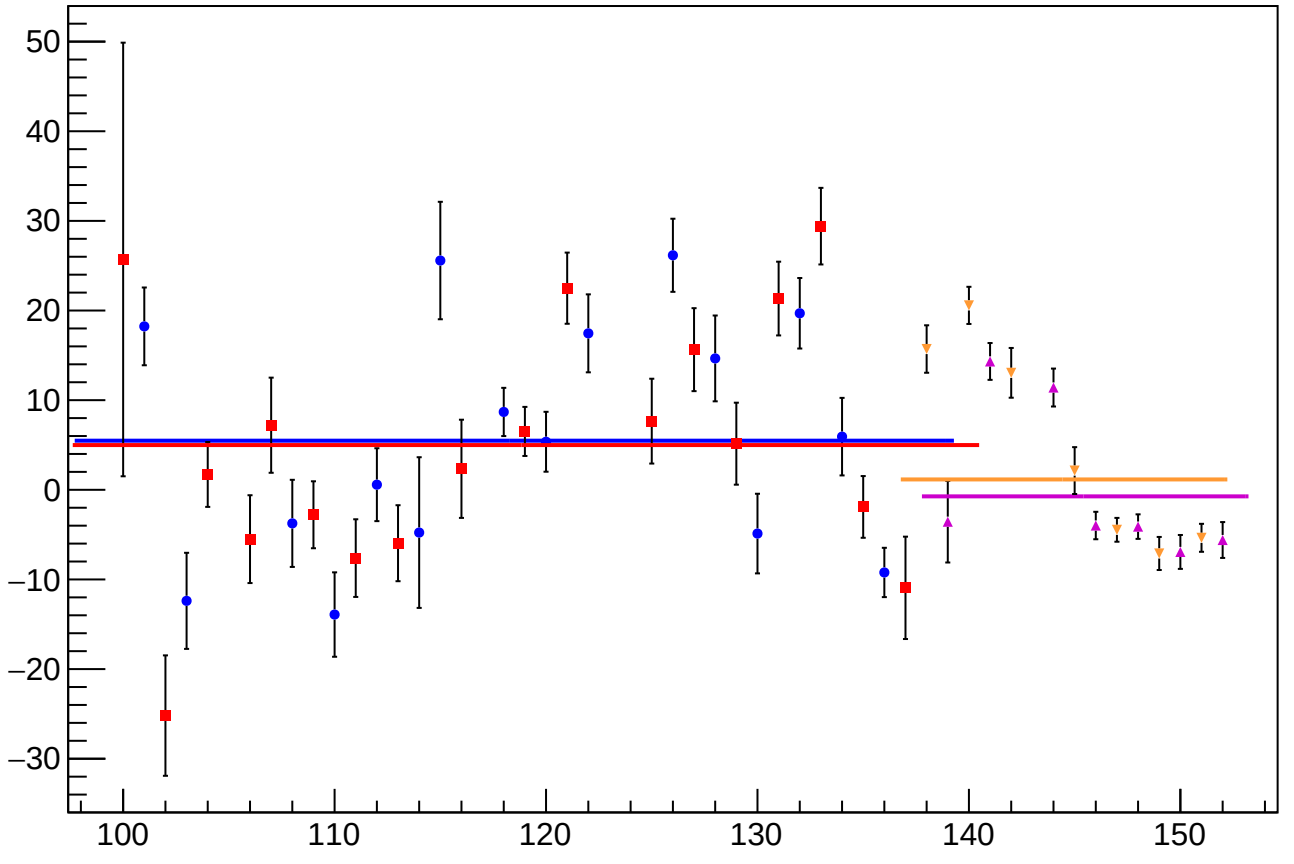
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -42.771+/-1.054 χ^2/NDF:111.7/6

\+ sign 5.968+/-0.723 χ^2/NDF: 6471.7/22

All: 7.617+/-0.500 χ^2/NDF: 12361.3/47

\- sign 9.120+/-0.691 χ^2/NDF: 5879.7/24



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 1.157+/-0.721 χ^2/NDF:191.8/6

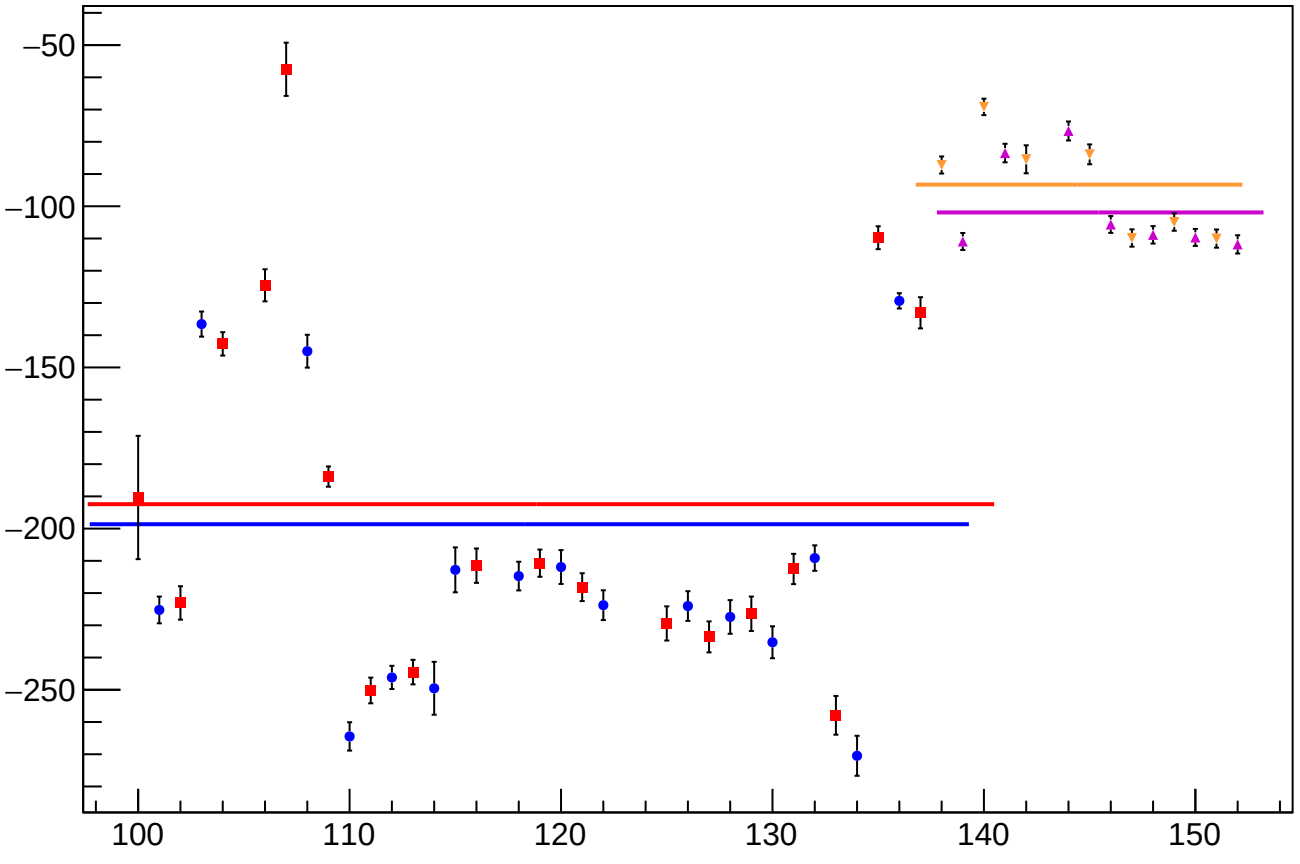
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.731+/-0.707 χ^2/NDF:114.2/6

+ sign 2.596+/-0.589 χ^2/NDF: 342.0/22

All: 1.849+/-0.414 χ^2/NDF: 612.4/47

- sign 1.121+/-0.582 χ^2/NDF: 267.3/24



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -93.290+/-1.081 χ^2/NDF:198.7/6

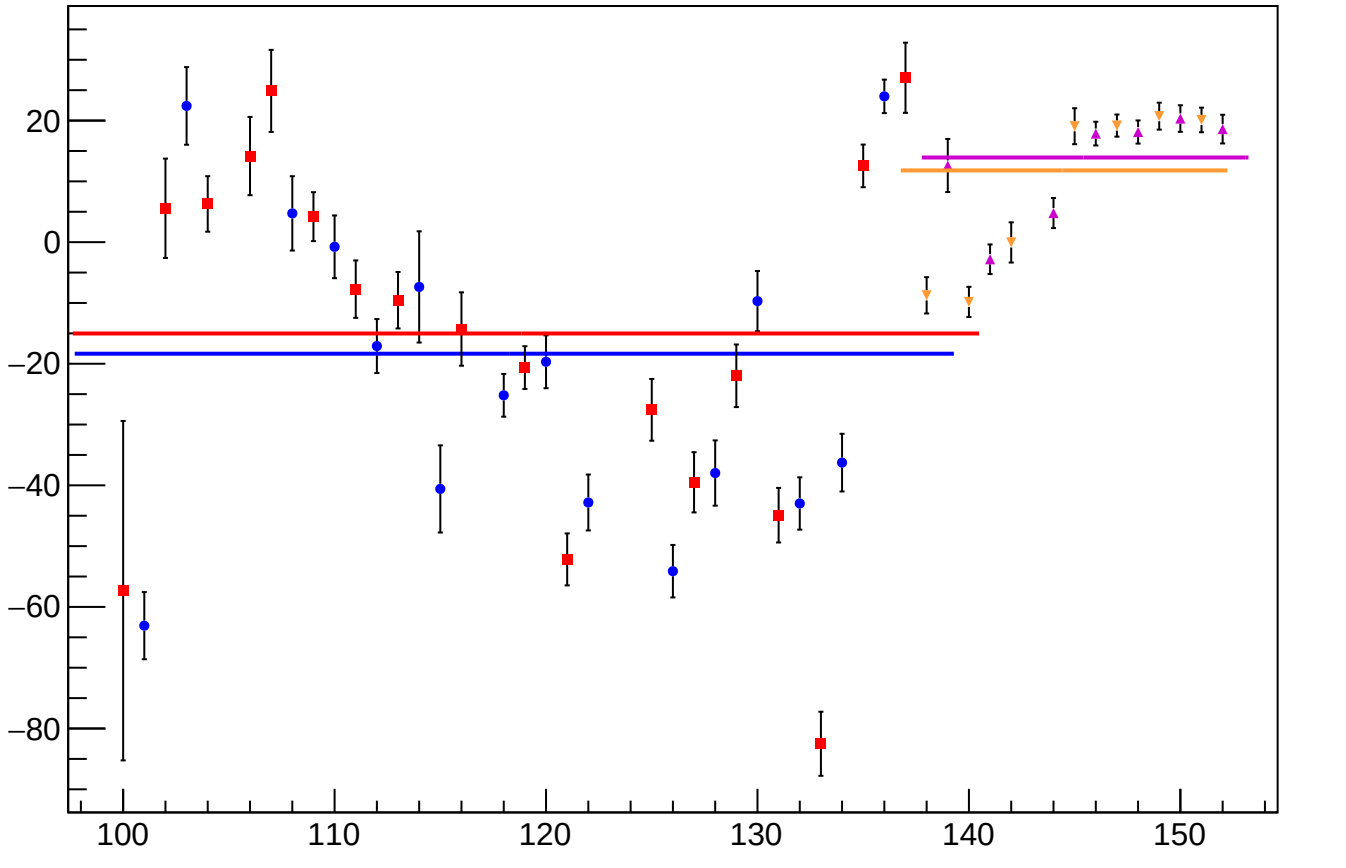
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.915+/-1.035 χ^2/NDF:156.0/6

\+ sign -145.873+/-0.765 χ^2/NDF: 6937.2/22

All: -145.563+/-0.535 χ^2/NDF: 12893.8/47

\- sign -145.268+/-0.747 χ^2/NDF: 5956.2/24



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 11.799+/-0.902 χ^2/NDF:191.6/6

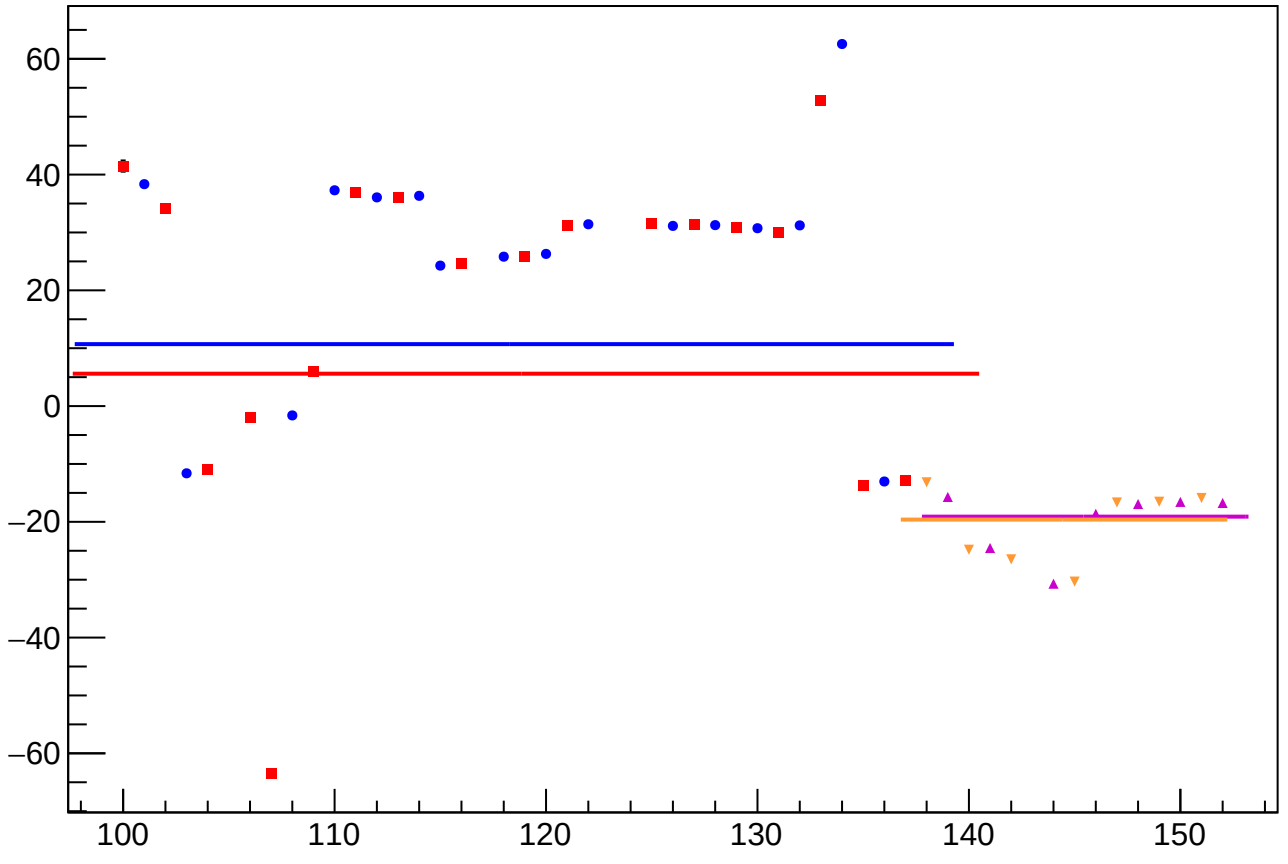
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 13.925+/-0.873 χ^2/NDF:82.3/6

+ sign 0.432+/-0.712 χ^2/NDF: 1156.8/22

All: 1.986+/-0.498 χ^2/NDF: 2191.6/47

- sign 3.479+/-0.698 χ^2/NDF: 1025.5/24



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -19.613+/-0.045 χ^2/NDF:17706.1/6

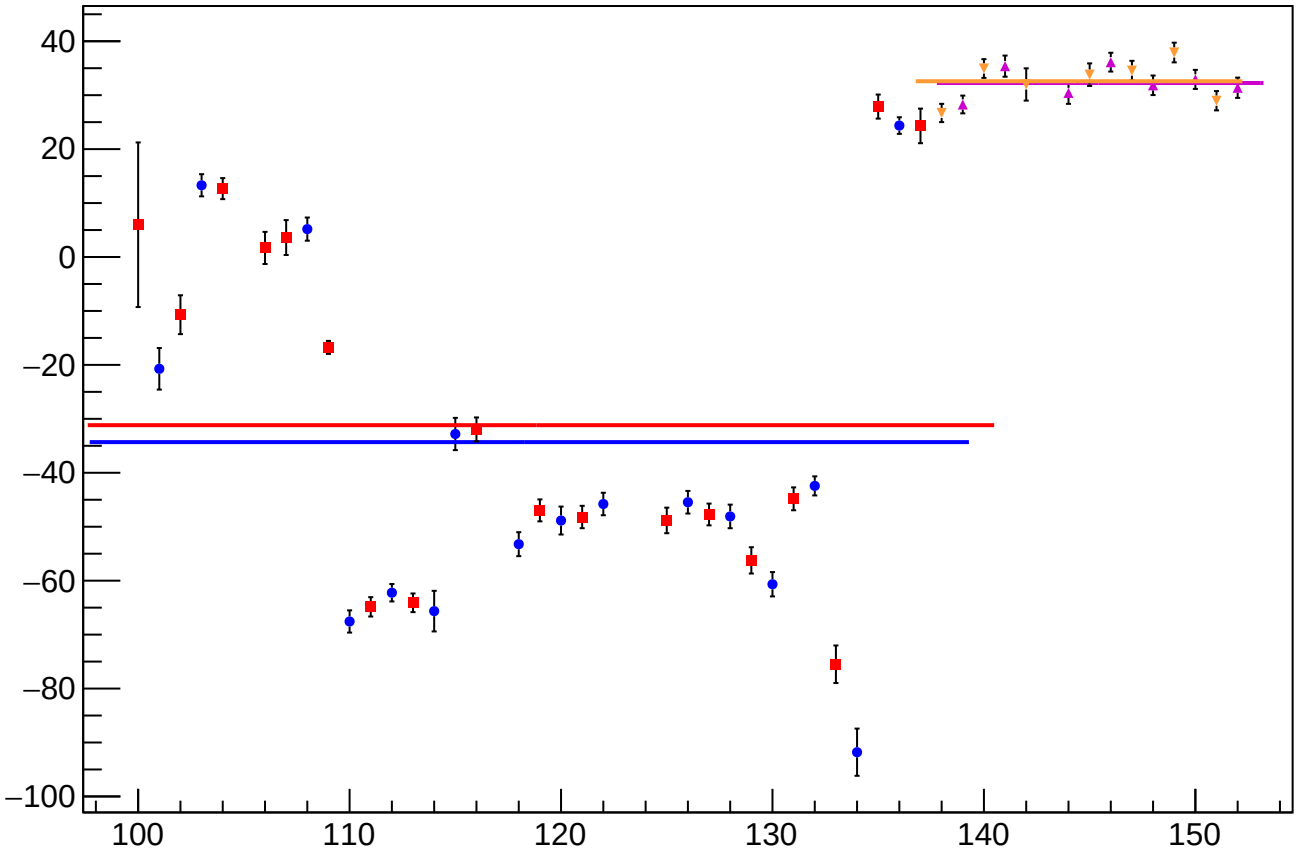
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -19.104+/-0.041 χ^2/NDF:12703.9/6

+ sign -9.441+/-0.036 χ^2/NDF: 336920.9/22

All: -10.699+/-0.025 χ^2/NDF: 613195.3/47

- sign -11.829+/-0.035 χ^2/NDF: 274011.4/24



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 32.585+/-0.718 χ^2/NDF:28.1/6

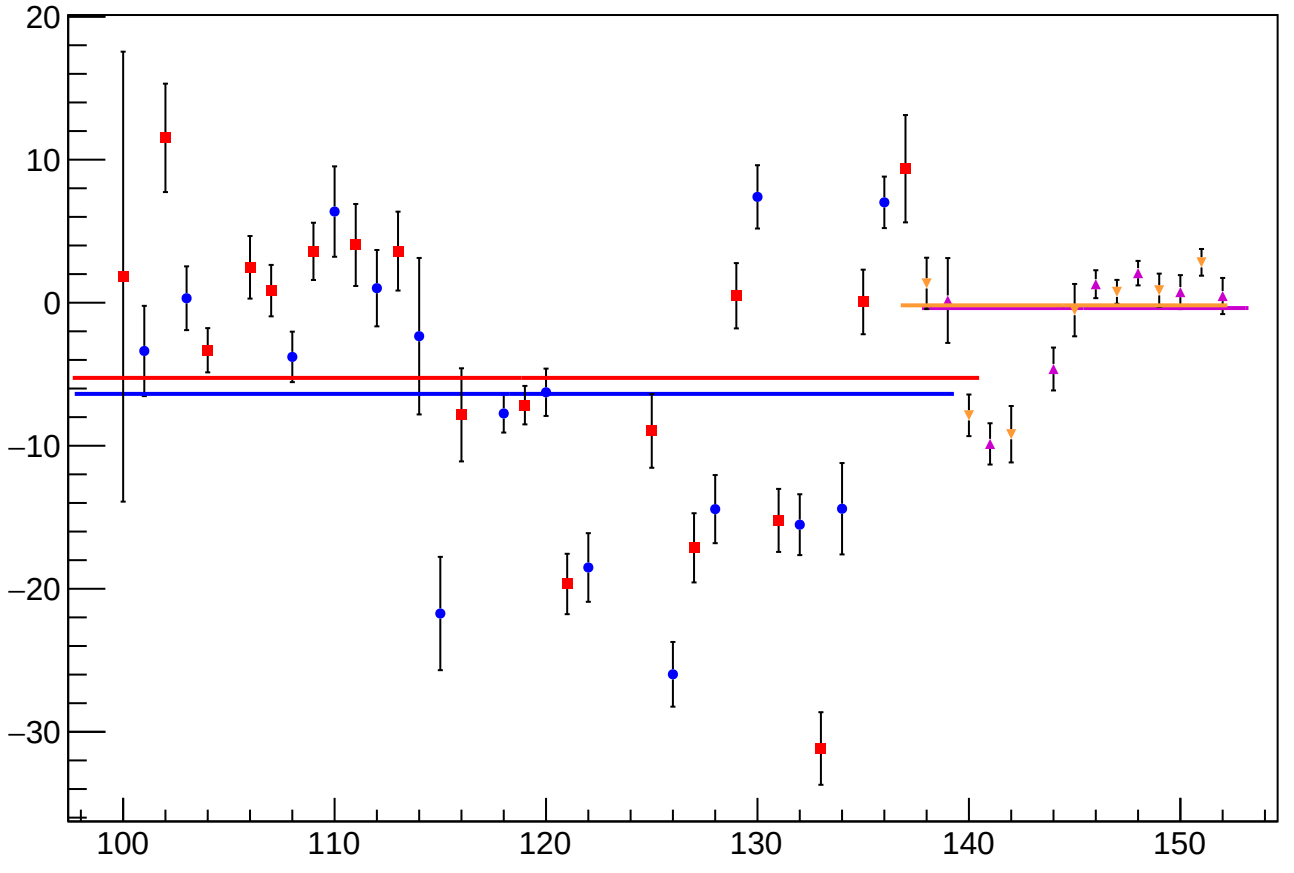
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.259+/-0.688 χ^2/NDF:14.6/6

+ sign -9.705+/-0.436 χ^2/NDF: 9015.3/22

All: -8.996+/-0.300 χ^2/NDF: 17676.6/47

- sign -8.359+/-0.413 χ^2/NDF: 8656.3/24



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.184+/-0.464 χ^2/NDF:62.0/6

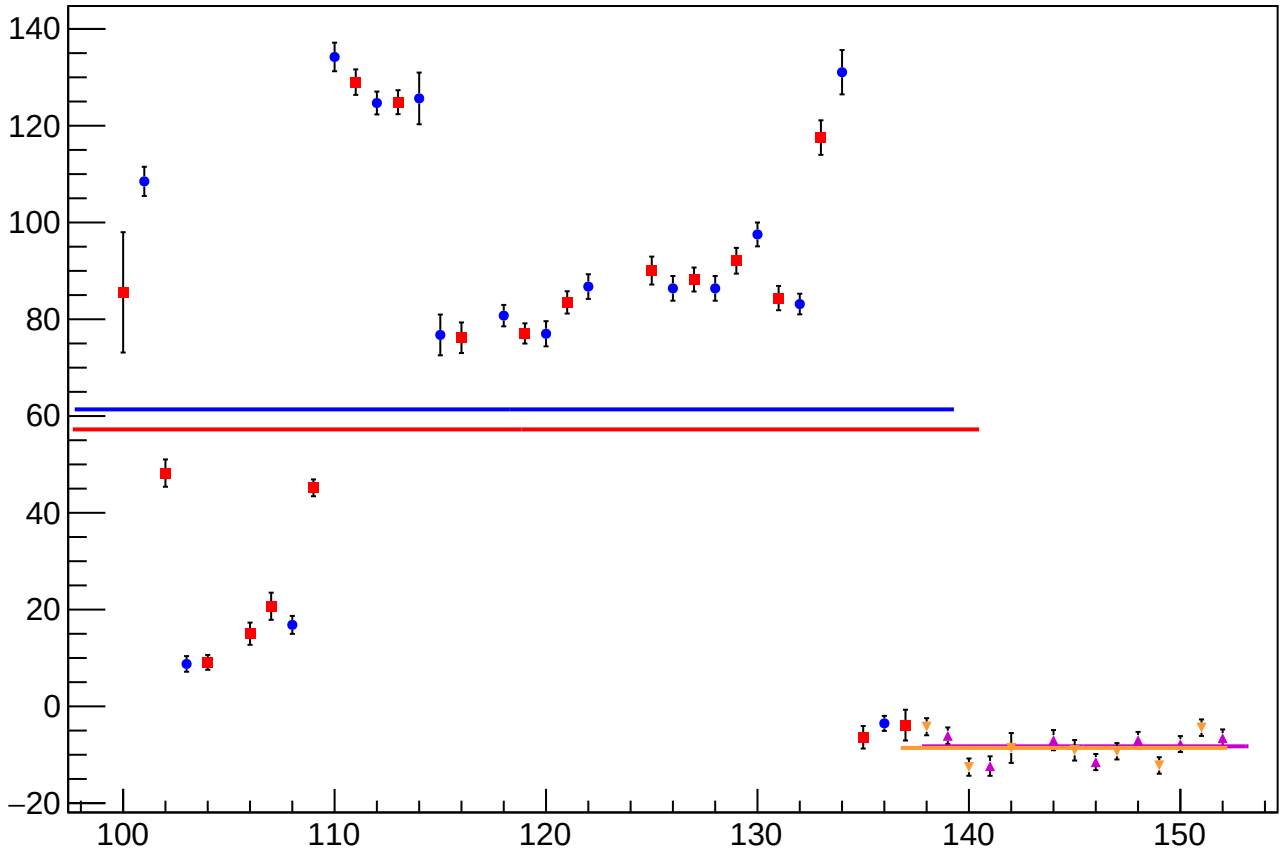
Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -0.373+/-0.457 χ^2/NDF:63.8/6

+ sign -2.736+/-0.355 χ^2/NDF: 419.1/22

All: -2.586+/-0.248 χ^2/NDF: 844.7/47

- sign -2.444+/-0.347 χ^2/NDF: 425.2/24



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -8.587+/-0.707 χ^2/NDF:21.8/6

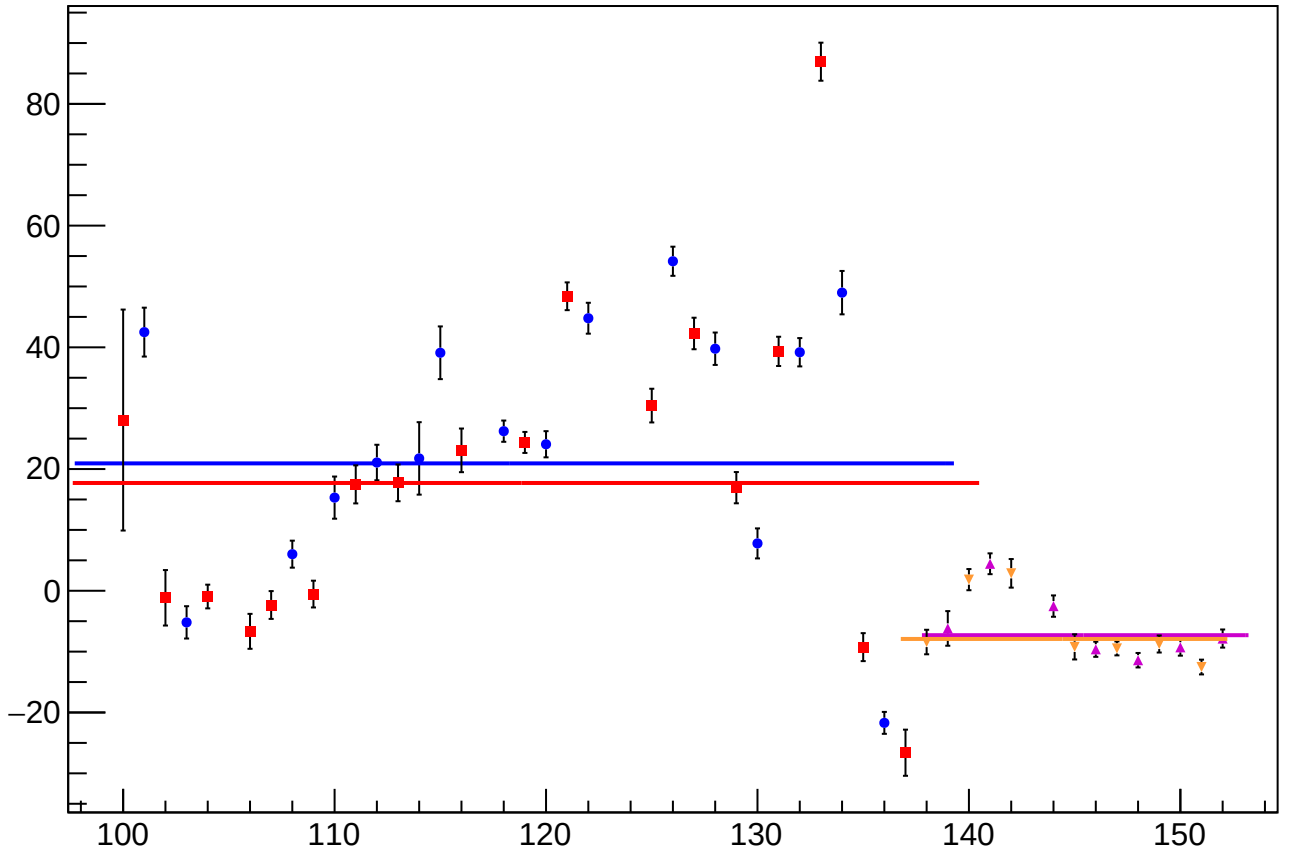
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -8.255+/-0.674 χ^2/NDF:11.5/6

+ sign 32.421+/-0.455 χ^2/NDF: 11824.4/22

All: 30.833+/-0.316 χ^2/NDF: 22553.1/47

- sign 29.351+/-0.440 χ^2/NDF: 10705.2/24



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -7.917+/-0.583 χ^2/NDF:69.5/6

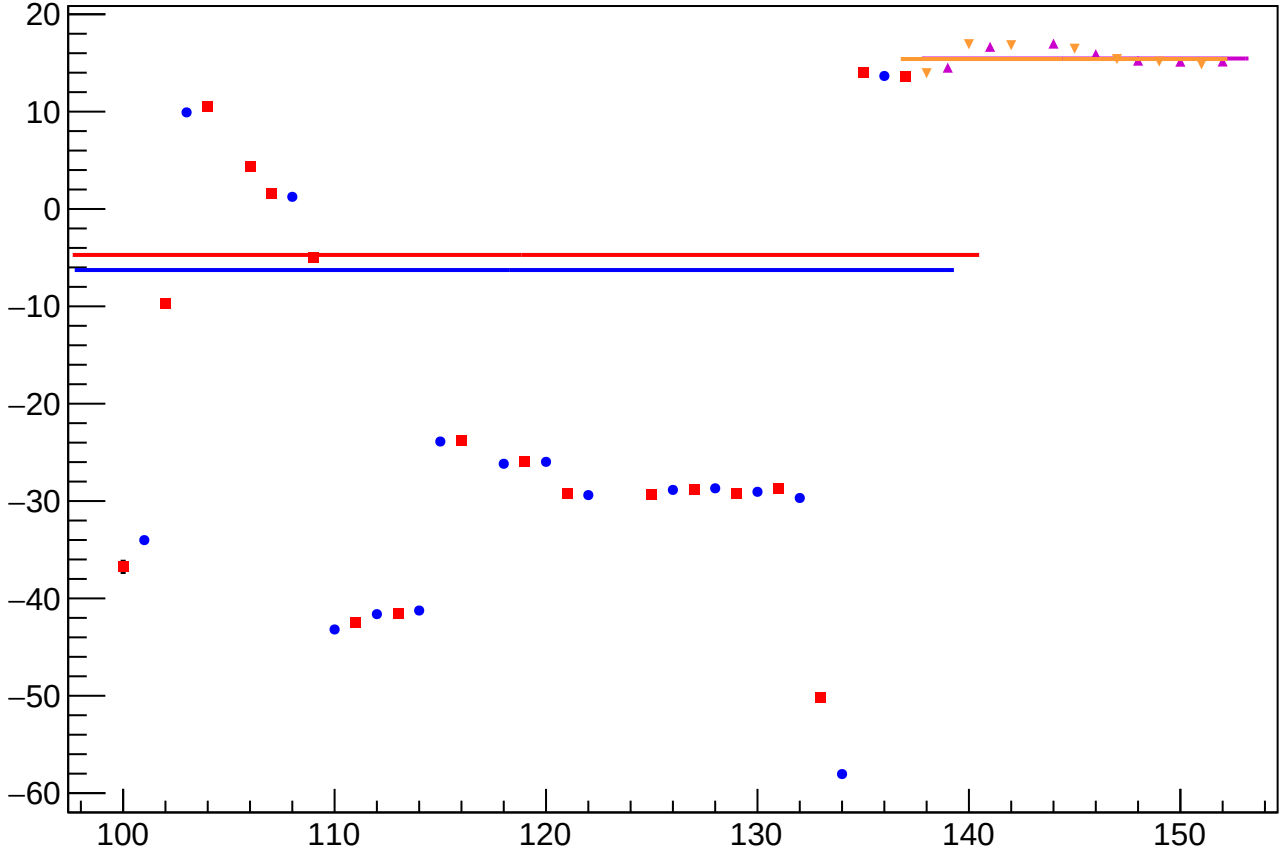
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -7.299+/-0.566 χ^2/NDF:72.3/6

+ sign 5.156+/-0.431 χ^2/NDF: 2425.5/22

All: 4.613+/-0.300 χ^2/NDF: 4873.6/47

- sign 4.103+/-0.417 χ^2/NDF: 2445.0/24



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.404+/-0.029 χ^2/NDF:1183.5/6

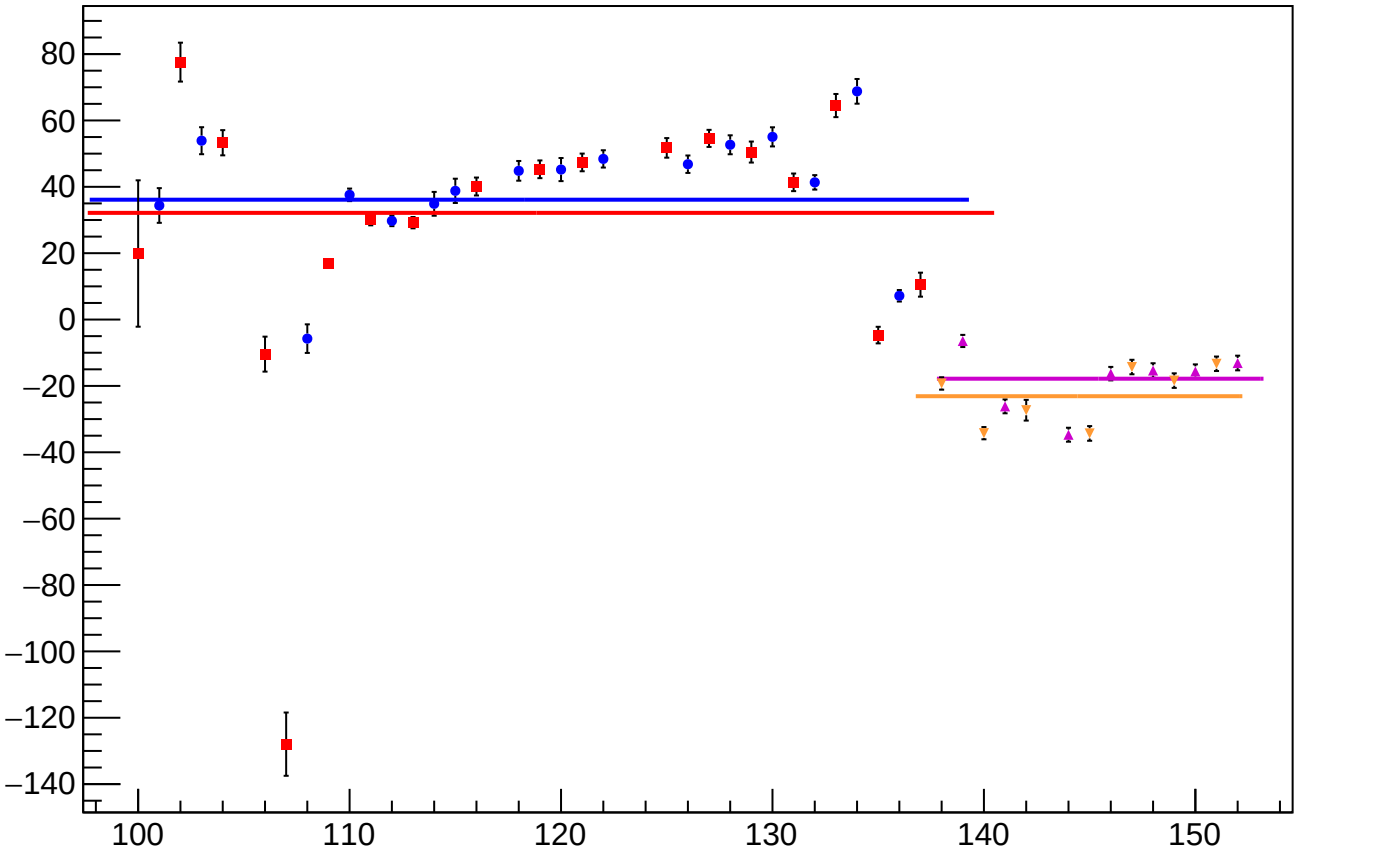
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.456+/-0.027 χ^2/NDF:816.2/6

+ sign 6.028+/-0.022 χ^2/NDF: 650381.8/22

All: 6.896+/-0.015 χ^2/NDF: 1181312.9/47

- sign 7.682+/-0.021 χ^2/NDF: 527956.7/24



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -23.102+/-0.813 χ^2/NDF:108.8/6

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

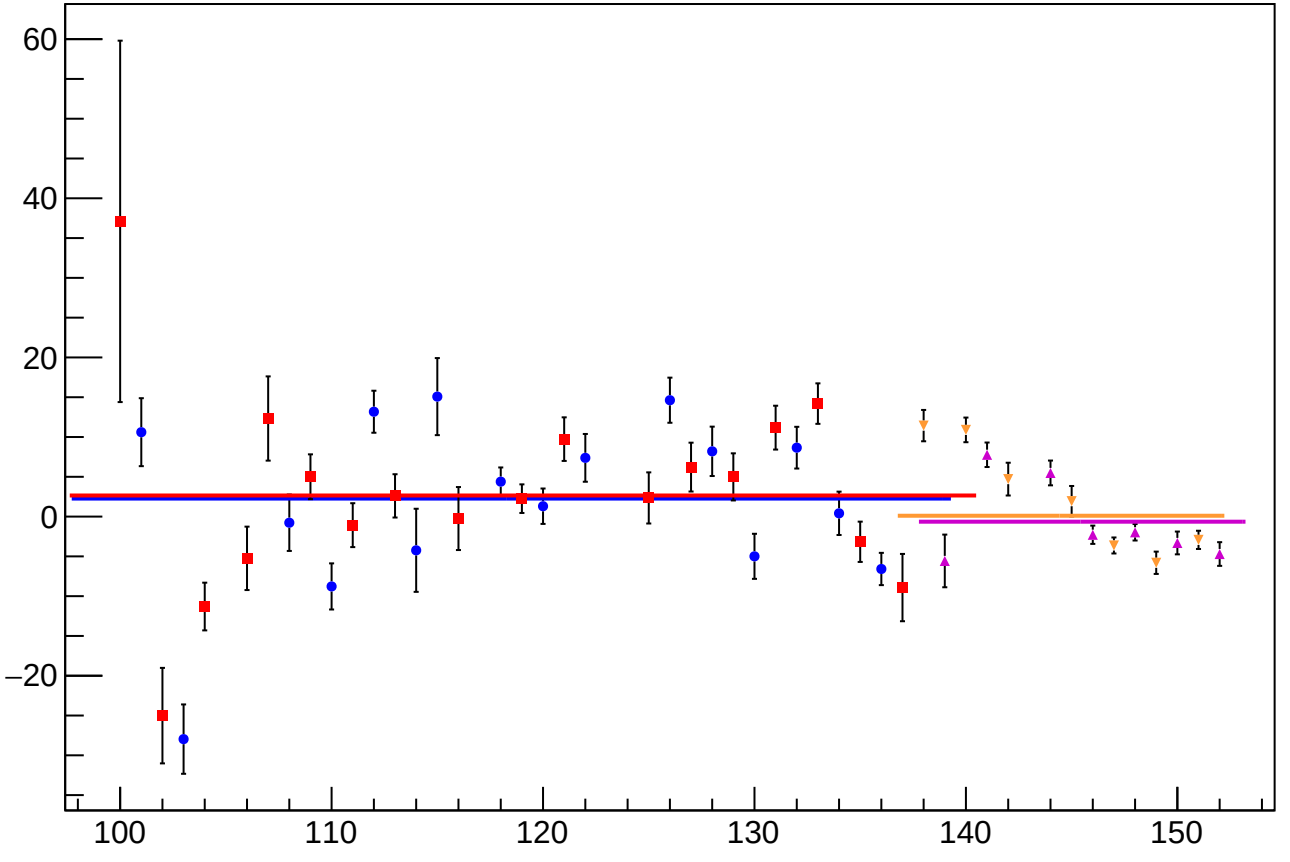
Left In: -17.826+/-0.784 χ^2/NDF:126.1/6

\+ sign 12.752+/-0.511 χ^2/NDF: 3943.0/22

All: 12.629+/-0.354 χ^2/NDF: 7651.5/47

\- sign 12.514+/-0.491 χ^2/NDF: 3708.3/24

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: 0.106+/-0.539 χ^2/NDF:126.1/6

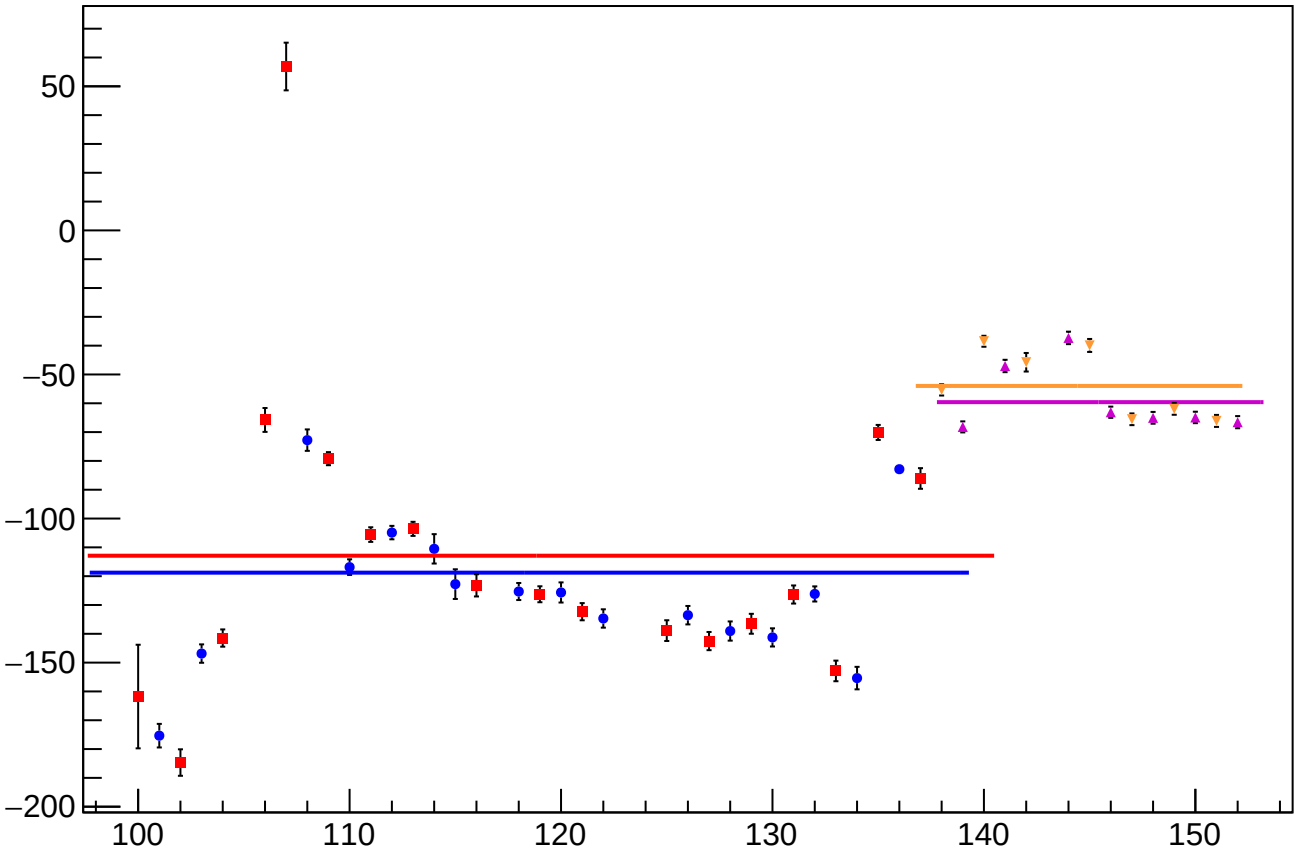
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: -0.642+/-0.530 χ^2/NDF:62.2/6

+ sign 0.907+/-0.427 χ^2/NDF: 284.1/22

All: 0.716+/-0.302 χ^2/NDF: 467.6/47

- sign 0.525+/-0.426 χ^2/NDF: 183.1/24



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -53.978+/-0.805 χ^2/NDF:193.5/6

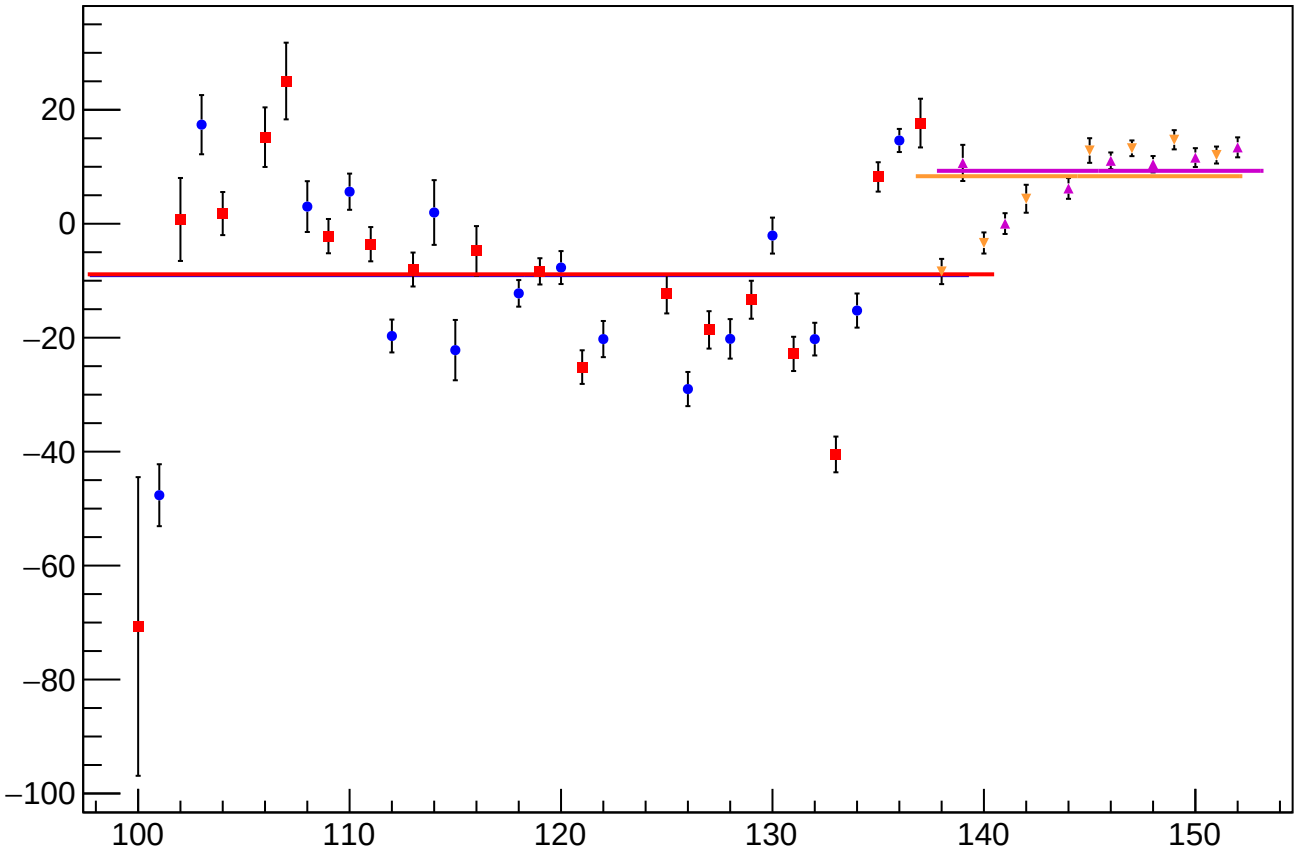
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.605+/-0.771 χ^2/NDF:188.5/6

+ sign -88.394+/-0.552 χ^2/NDF: 4750.4/22

All: -87.478+/-0.386 χ^2/NDF: 9228.1/47

- sign -86.595+/-0.542 χ^2/NDF: 4472.3/24



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 8.342+/-0.673 χ^2/NDF:137.3/6

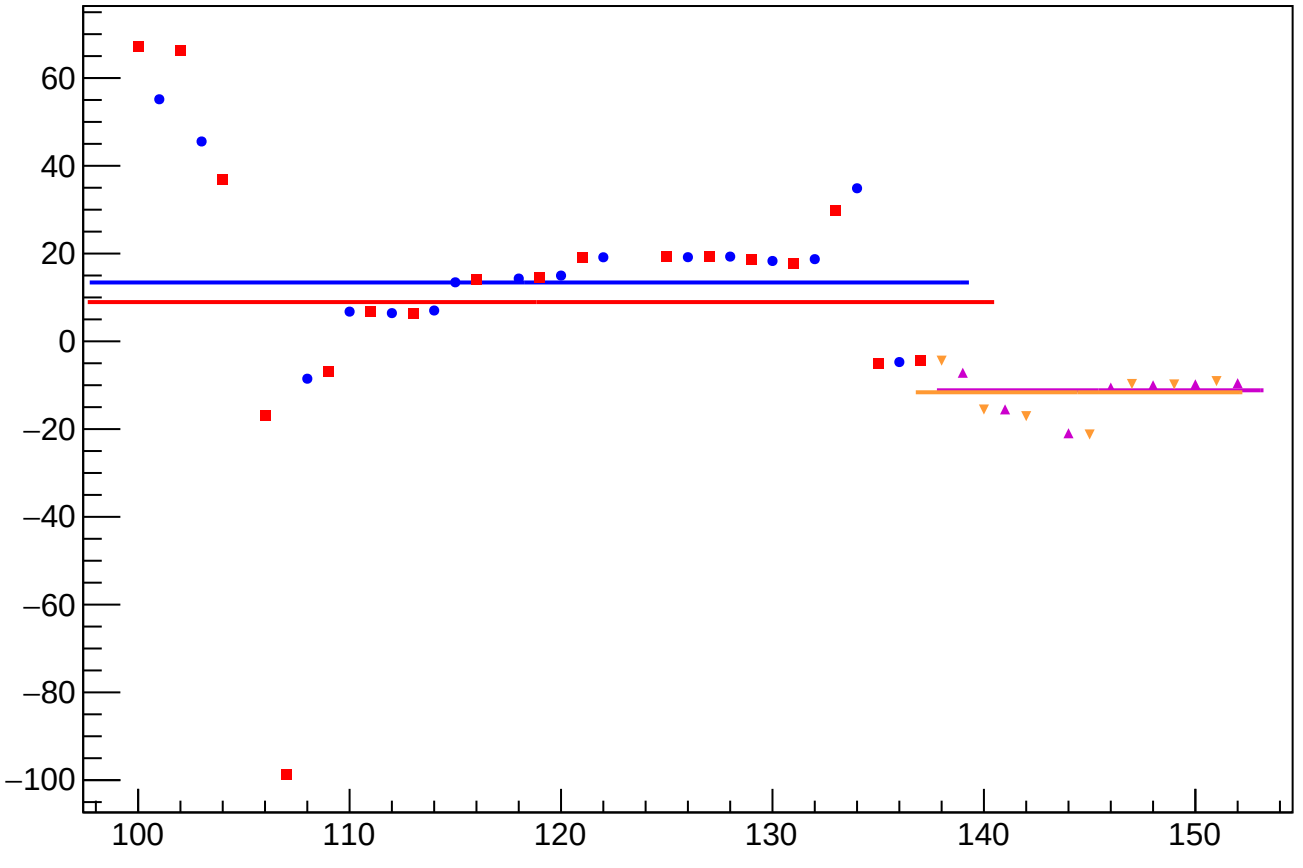
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 9.289+/-0.653 χ^2/NDF:38.4/6

+ sign 1.097+/-0.514 χ^2/NDF: 772.9/22

All: 1.622+/-0.361 χ^2/NDF: 1436.7/47

- sign 2.136+/-0.509 χ^2/NDF: 661.8/24



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.612+/-0.033 χ^2/NDF:26280.2/6

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

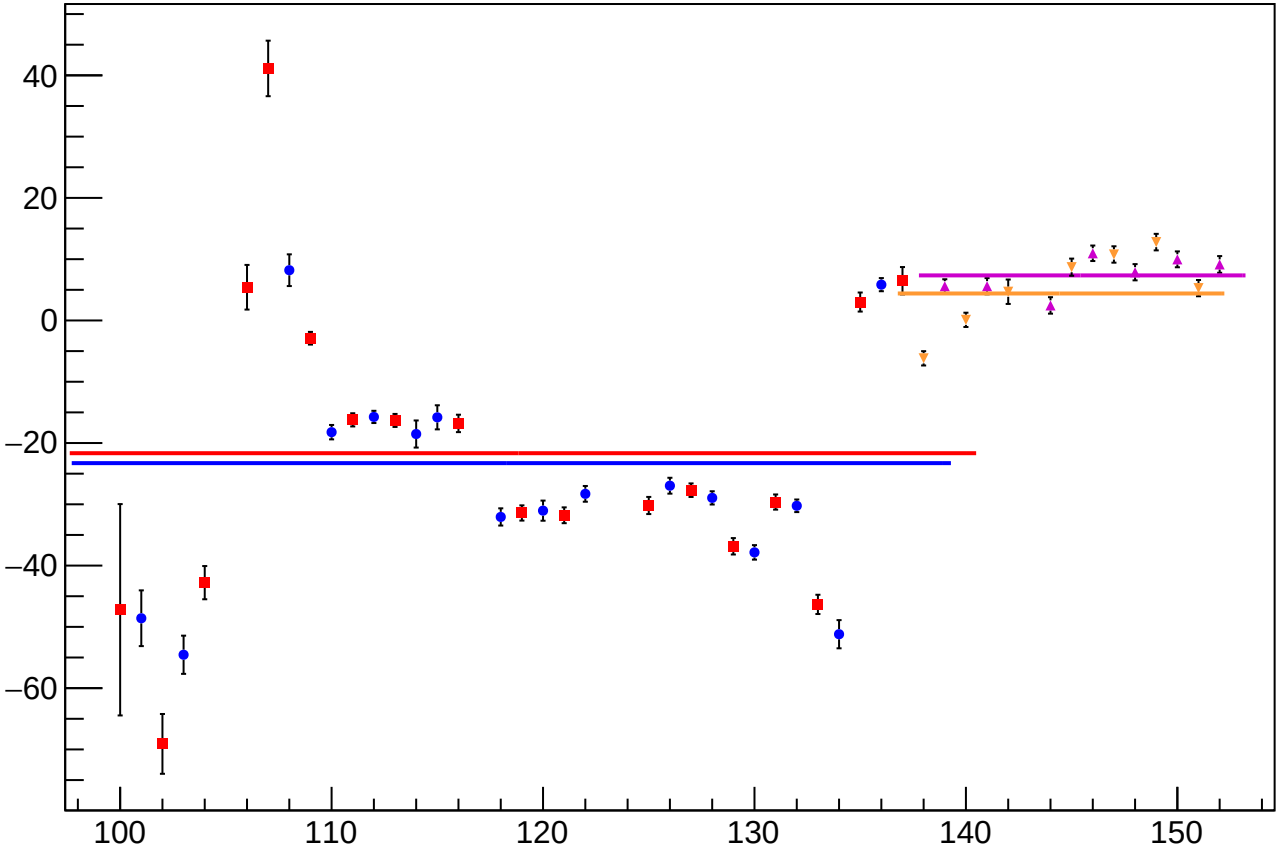
Left In: -11.160+/-0.031 χ^2/NDF:17105.6/6

+ sign -2.851+/-0.027 χ^2/NDF: 408470.0/22

All: -4.103+/-0.019 χ^2/NDF: 847921.0/47

- sign -5.254+/-0.026 χ^2/NDF: 435263.1/24

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 4.402+/-0.506 χ^2/NDF:167.0/6

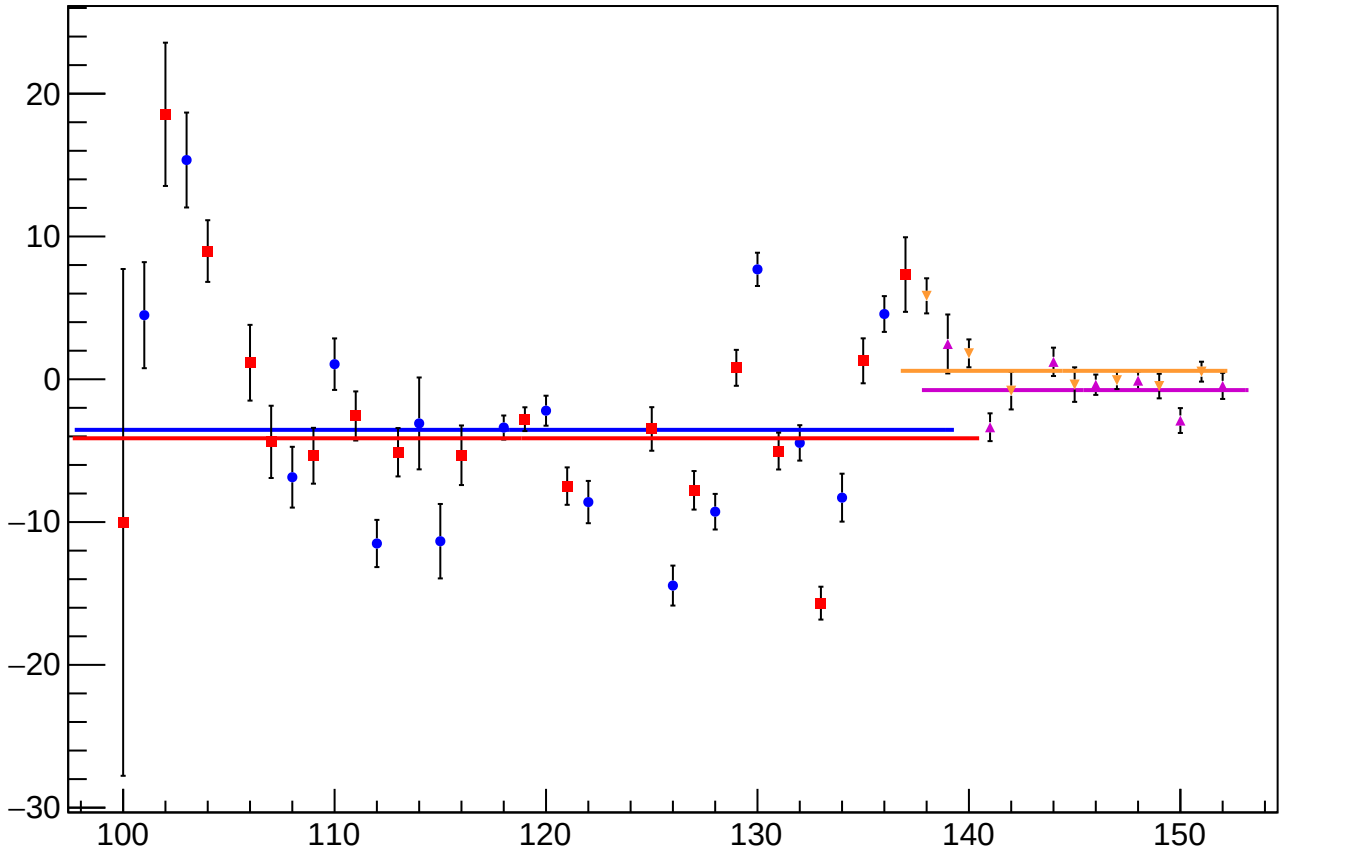
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 7.354+/-0.487 χ^2/NDF:31.6/6

+ sign -14.303+/-0.288 χ^2/NDF: 3759.1/22

All: -13.063+/-0.202 χ^2/NDF: 7995.5/47

- sign -11.869+/-0.283 χ^2/NDF: 4200.0/24



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.591+/-0.333 χ^2/NDF:24.3/6

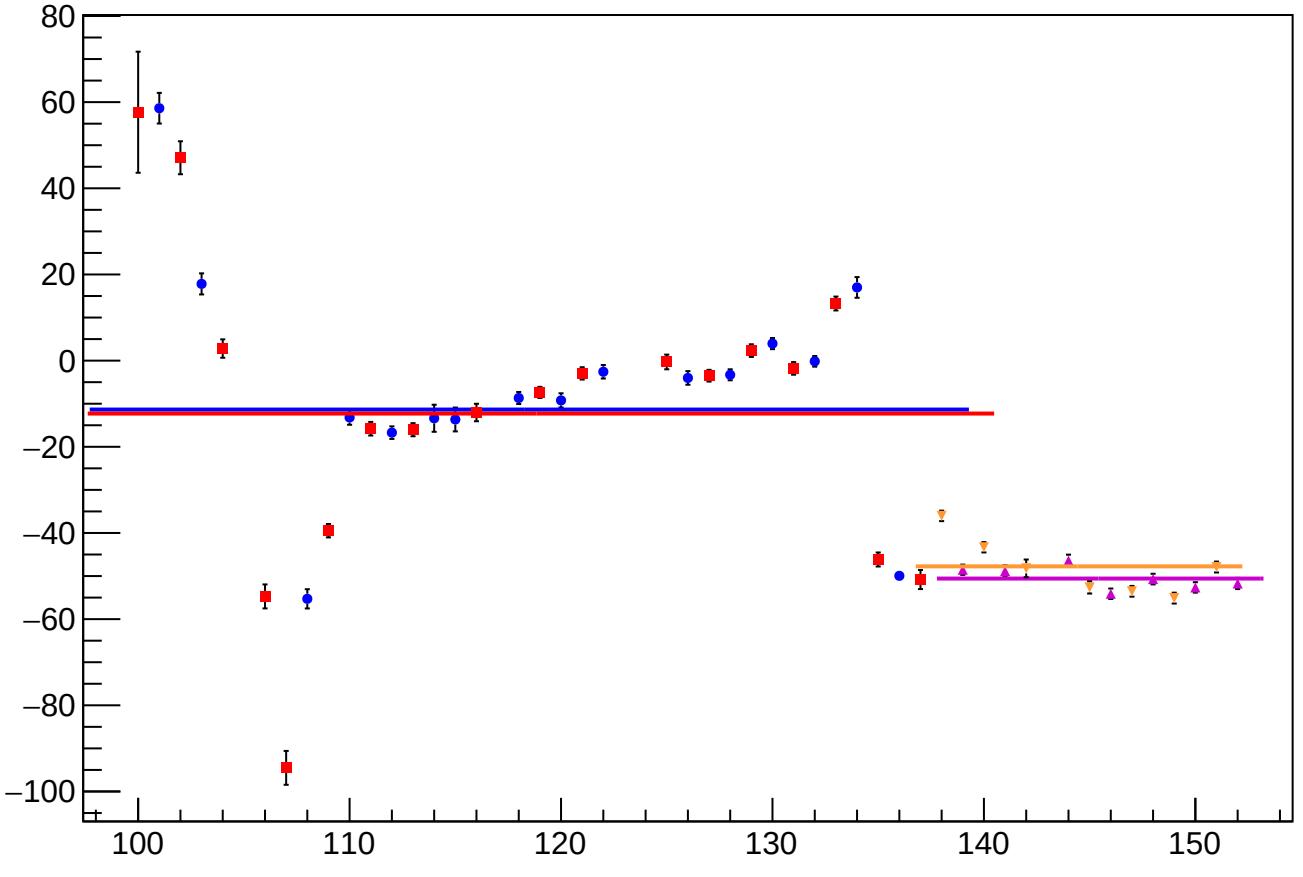
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.758+/-0.327 χ^2/NDF:21.1/6

+ sign -1.299+/-0.245 χ^2/NDF: 411.5/22

All: -1.767+/-0.173 χ^2/NDF: 713.9/47

- sign -2.235+/-0.245 χ^2/NDF: 295.1/24



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -47.751+/-0.500 χ^2/NDF:173.7/6

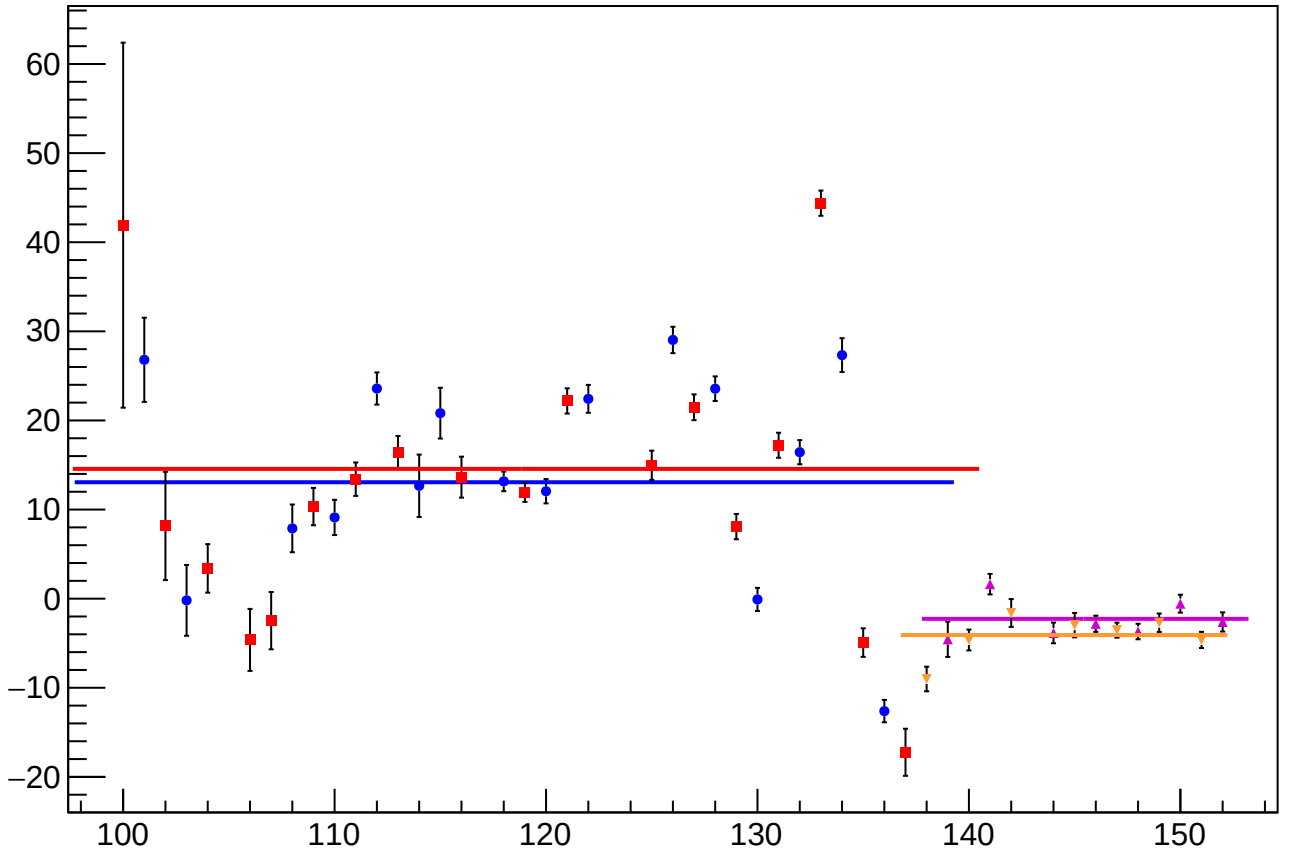
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -50.581+/-0.478 χ^2/NDF:25.8/6

+ sign -25.792+/-0.315 χ^2/NDF: 6028.1/22

All: -27.239+/-0.222 χ^2/NDF: 12361.8/47

- sign -28.662+/-0.313 χ^2/NDF: 6291.9/24



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -4.080+/-0.417 χ^2/NDF:18.7/6

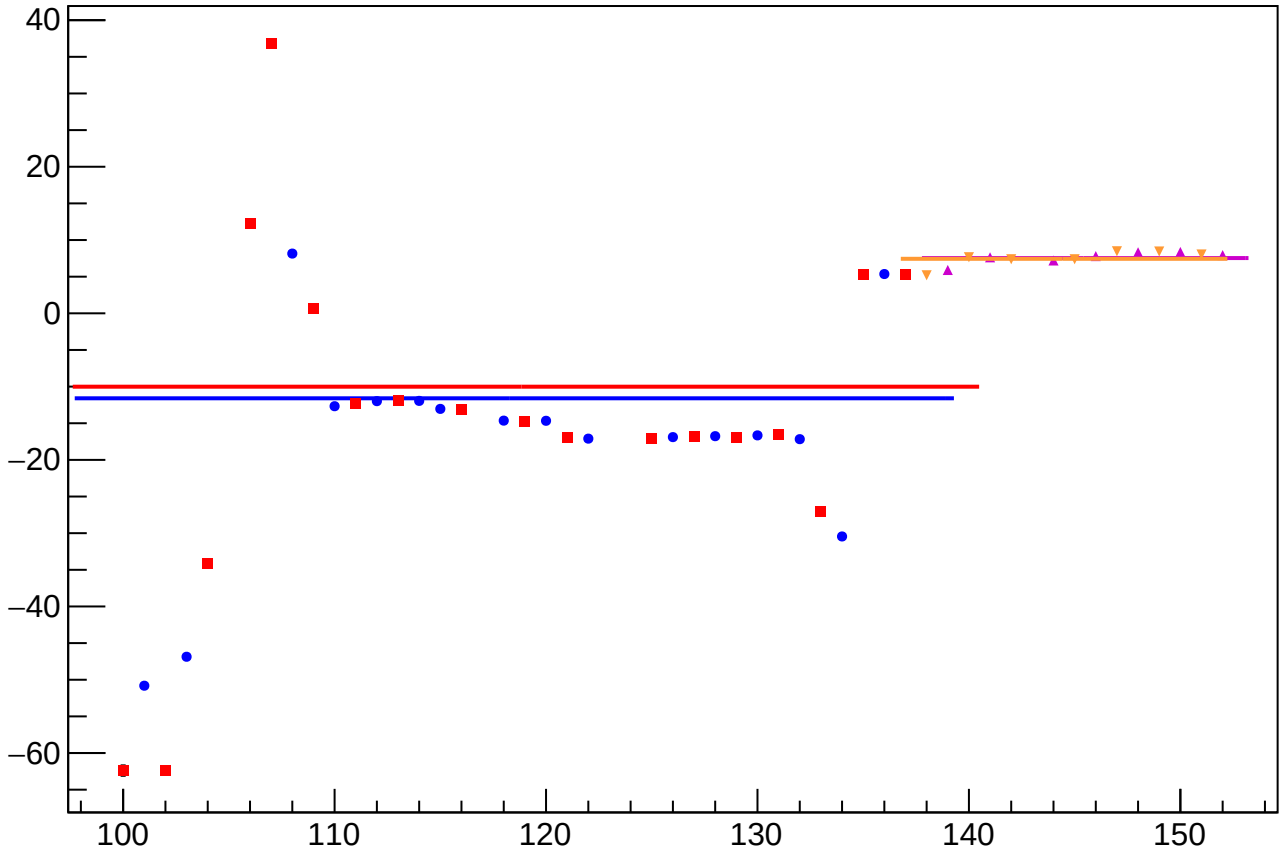
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.264+/-0.404 χ^2/NDF:20.6/6

+ sign 4.534+/-0.294 χ^2/NDF: 1732.6/22

All: 5.156+/-0.207 χ^2/NDF: 3494.2/47

- sign 5.769+/-0.292 χ^2/NDF: 1752.7/24



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.440+/-0.021 χ^2/NDF:3060.6/6

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

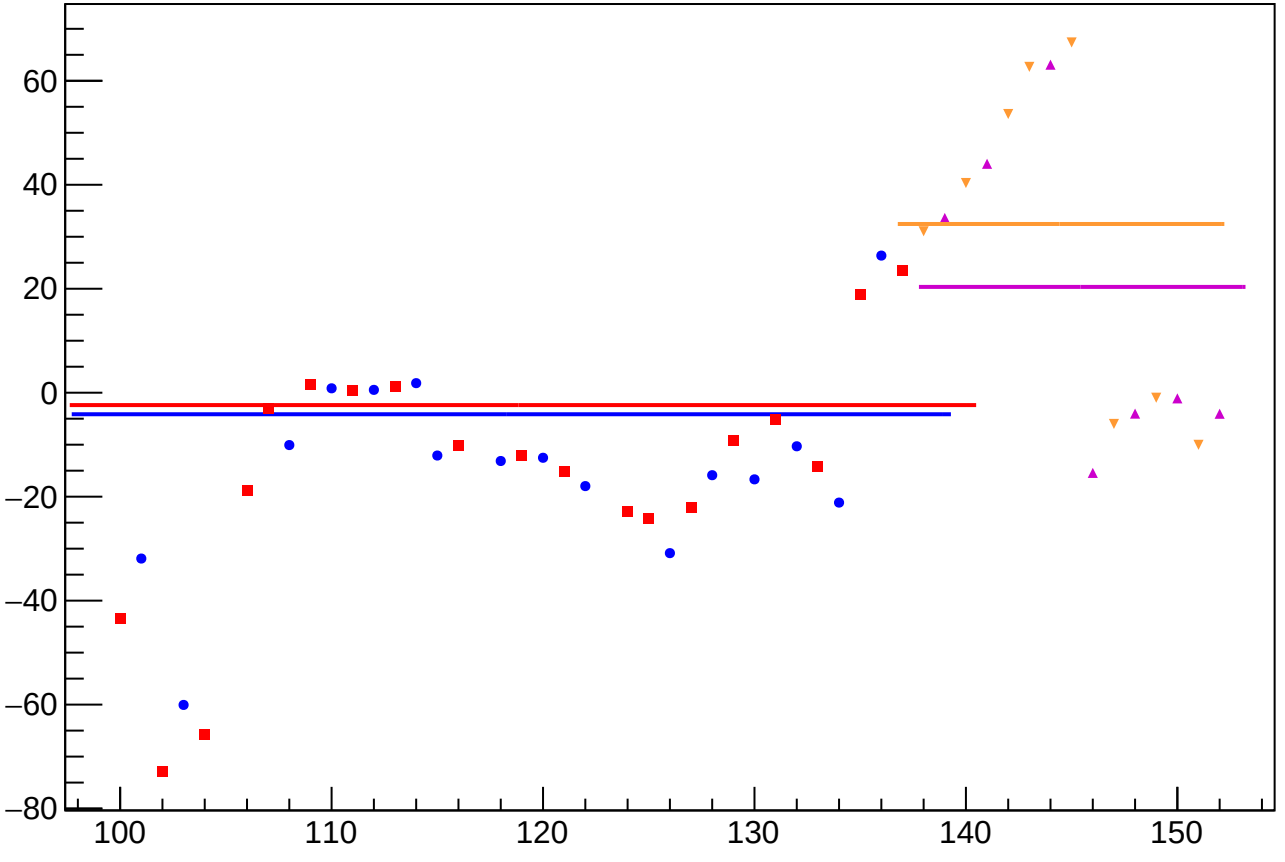
Left In: 7.540+/-0.019 χ^2/NDF:2130.0/6

+ sign 0.184+/-0.016 χ^2/NDF: 687524.3/22

All: 1.066+/-0.011 χ^2/NDF: 1368657.5/47

- sign 1.878+/-0.016 χ^2/NDF: 675472.1/24

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 32.457+/-0.100 χ^2/NDF:62046.7/7

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

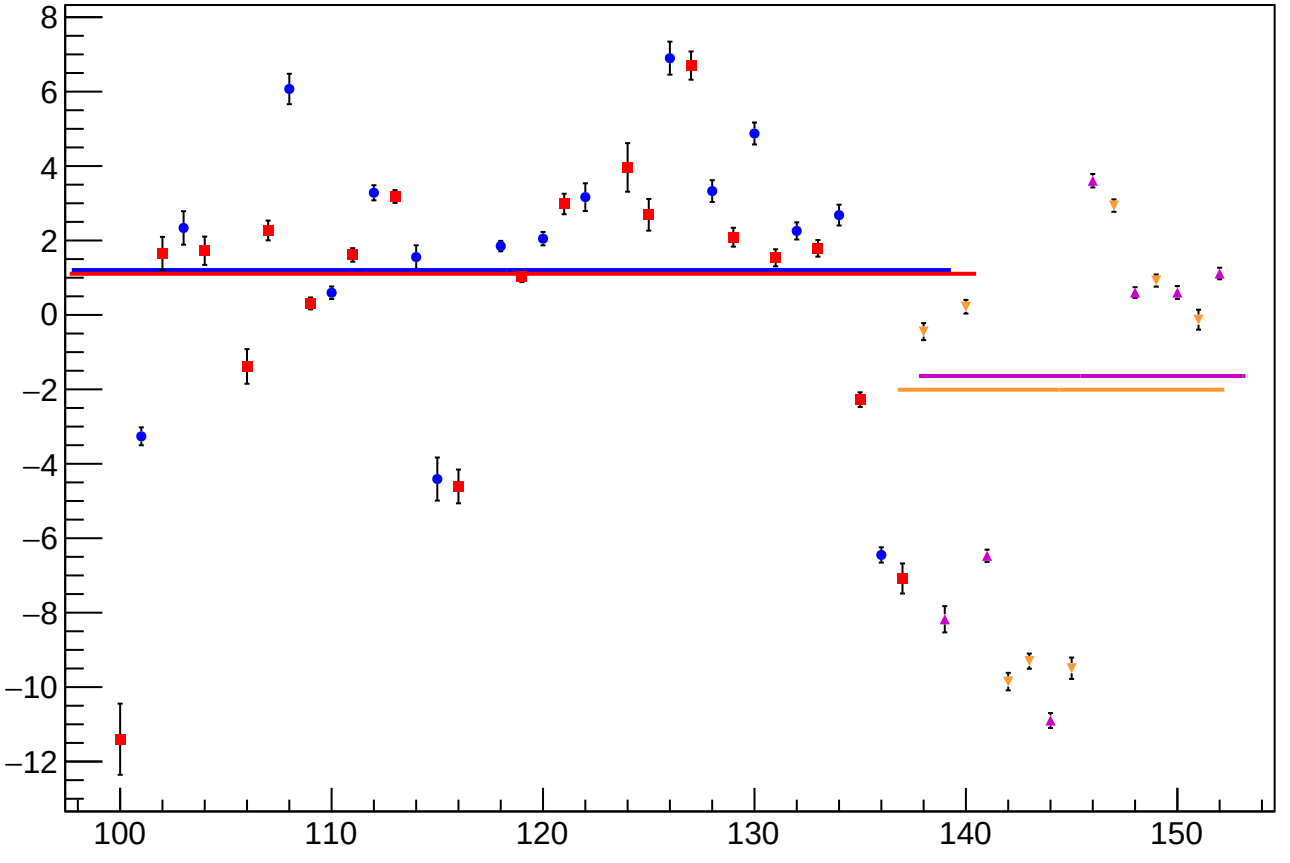
Left In: 20.353+/-0.094 χ^2/NDF:76942.2/6

+ sign 4.332+/-0.048 χ^2/NDF: 241091.2/23

All: 3.016+/-0.031 χ^2/NDF: 447255.2/49

- sign 2.033+/-0.041 χ^2/NDF: 204846.1/25

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -2.010+/-0.073 χ^2/NDF:4514.0/7

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

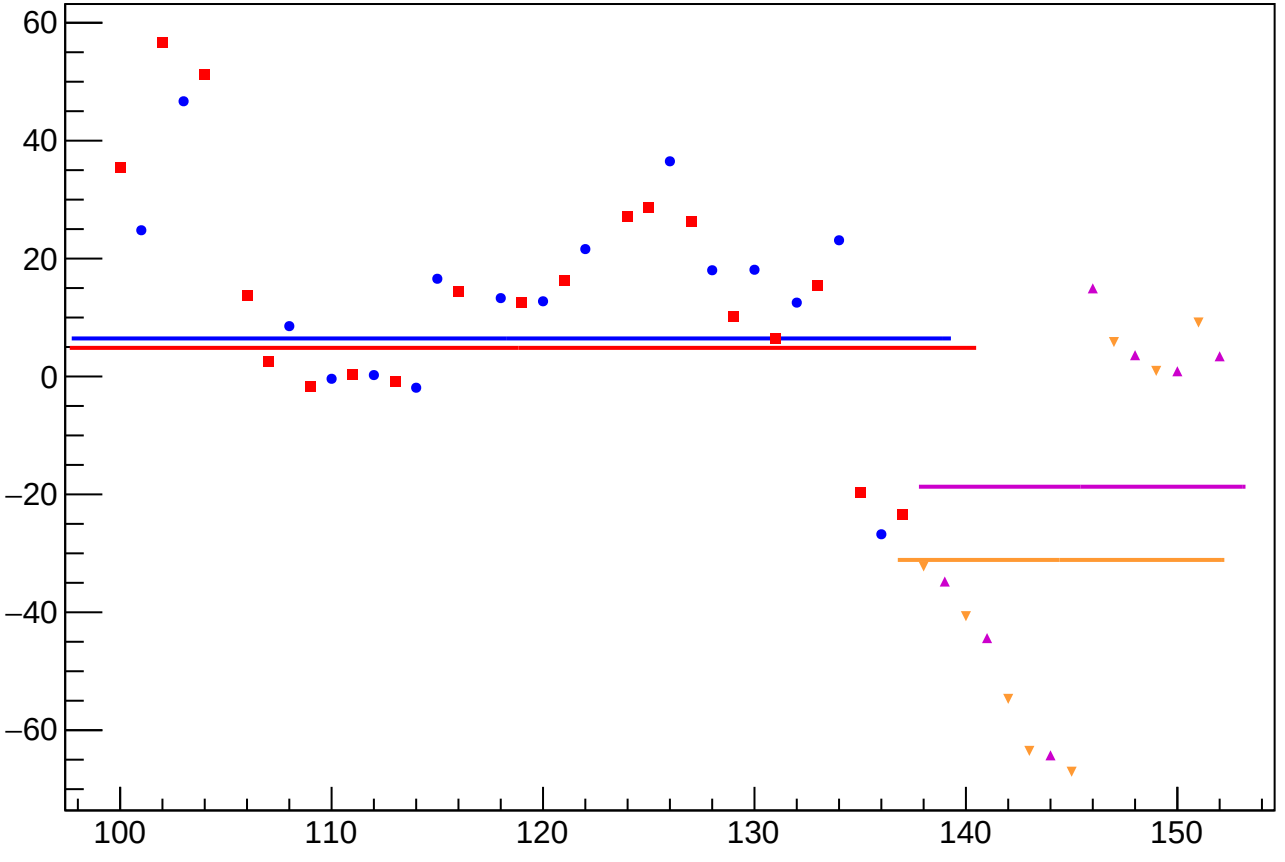
Left In: -1.641+/-0.067 χ^2/NDF:4871.1/6

+ sign -0.112+/-0.046 χ^2/NDF: 8259.5/23

All: -0.080+/-0.032 χ^2/NDF: 15690.4/49

- sign -0.053+/-0.044 χ^2/NDF: 7430.1/25

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -31.117+/-0.100 χ^2/NDF:65777.3/7

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

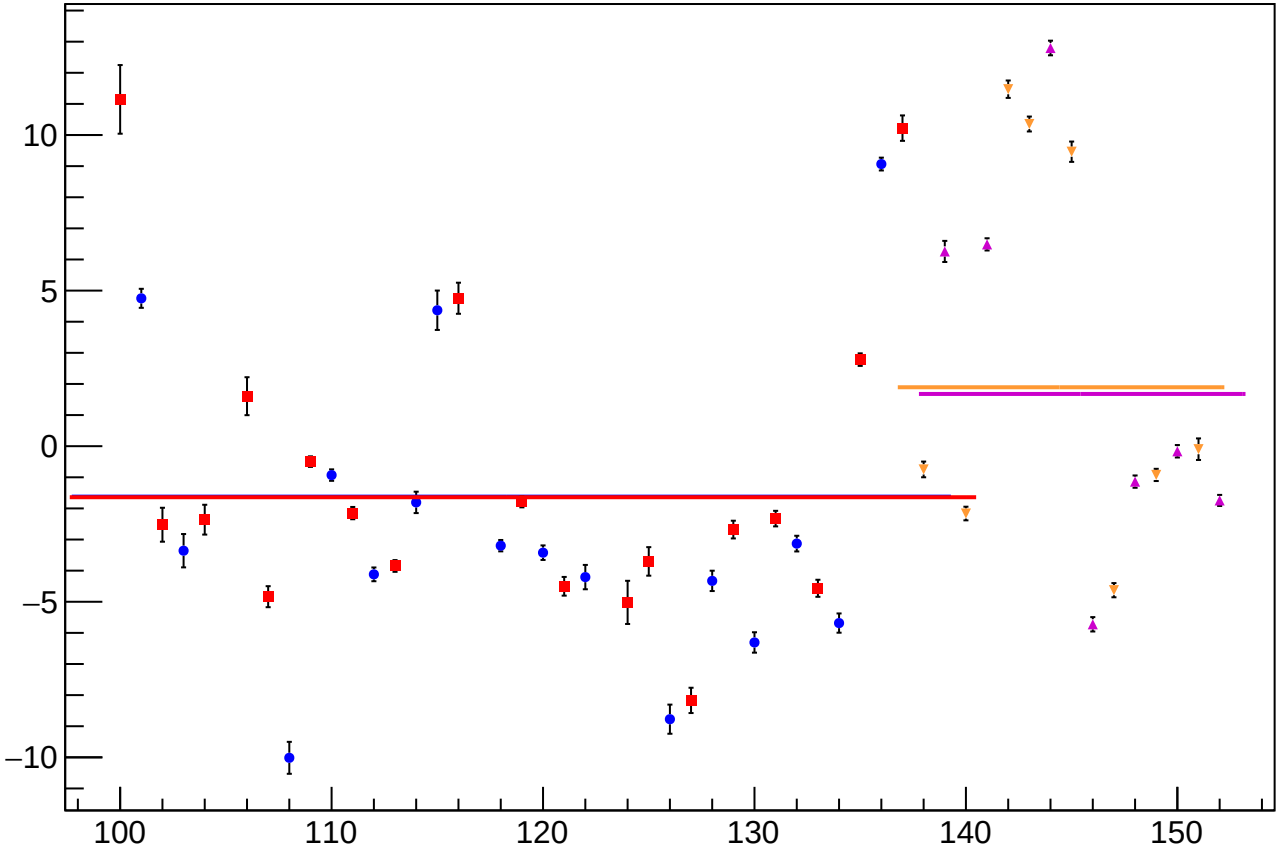
Left In: -18.698+/-0.092 χ^2/NDF:80077.3/6

+ sign -4.746+/-0.055 χ^2/NDF: 235383.0/23

All: -3.239+/-0.037 χ^2/NDF: 438150.4/49

- sign -1.985+/-0.050 χ^2/NDF: 201373.8/25

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 1.894+/-0.088 χ^2/NDF:4461.4/7

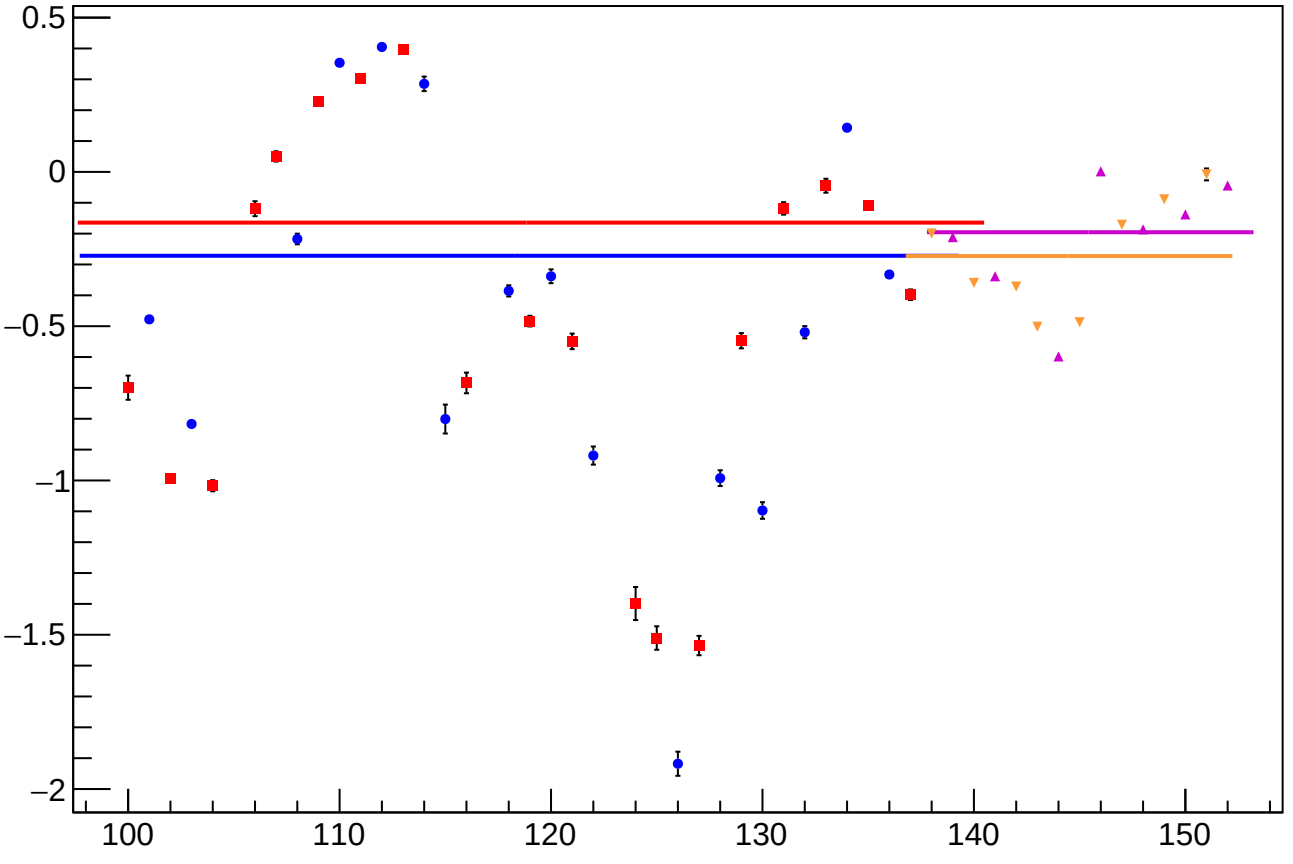
Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 1.679+/-0.081 χ^2/NDF:4695.2/6

\+ sign -0.267+/-0.055 χ^2/NDF: 9970.1/23

All: -0.309+/-0.037 χ^2/NDF: 18159.8/49

\- sign -0.345+/-0.050 χ^2/NDF: 8188.6/25



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.273+/-0.004 χ^2/NDF:1385.0/7

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

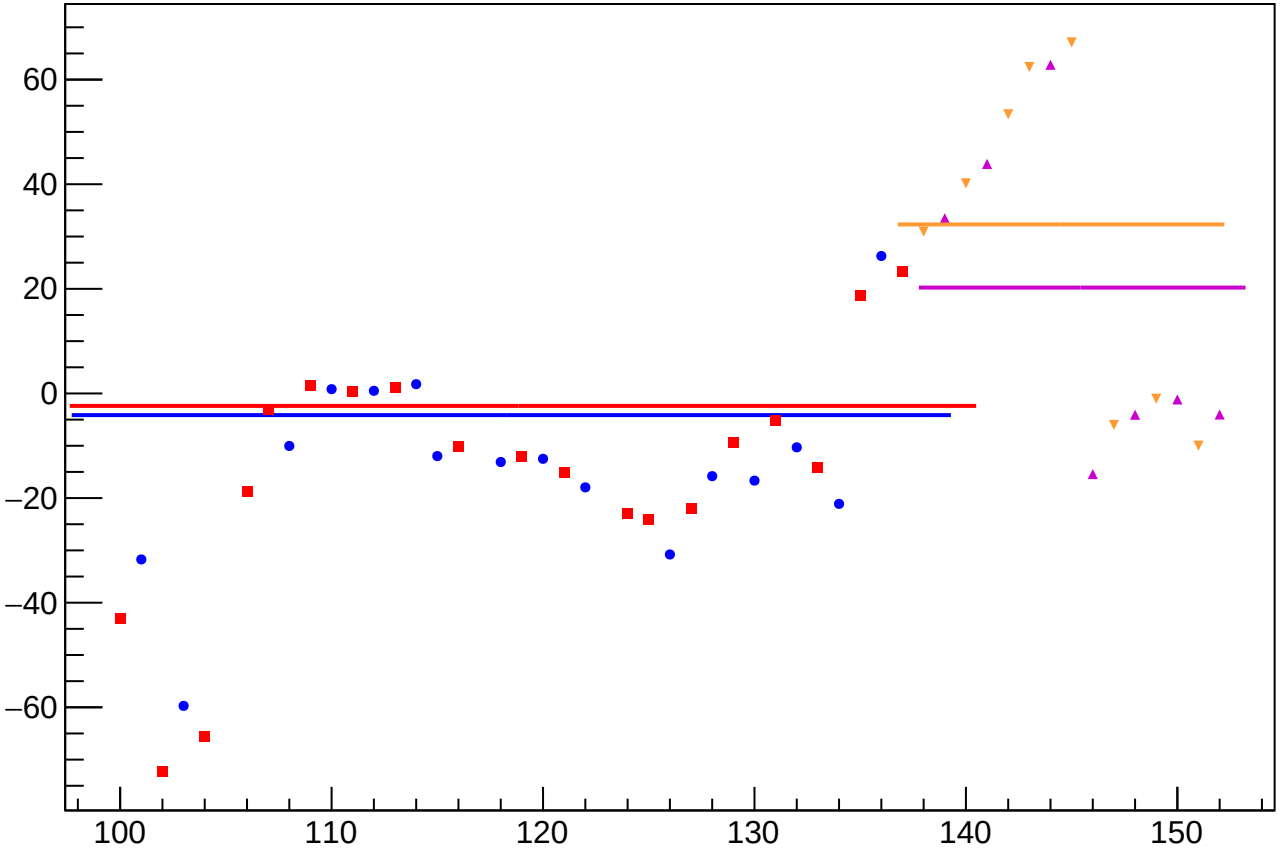
Left In: -0.195+/-0.004 χ^2/NDF:1921.6/6

+ sign -0.272+/-0.003 χ^2/NDF: 13433.2/23

All: -0.221+/-0.002 χ^2/NDF: 31433.2/49

- sign -0.181+/-0.003 χ^2/NDF: 17454.3/25

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 32.312+/-0.099 χ^2/NDF:62011.0/7

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

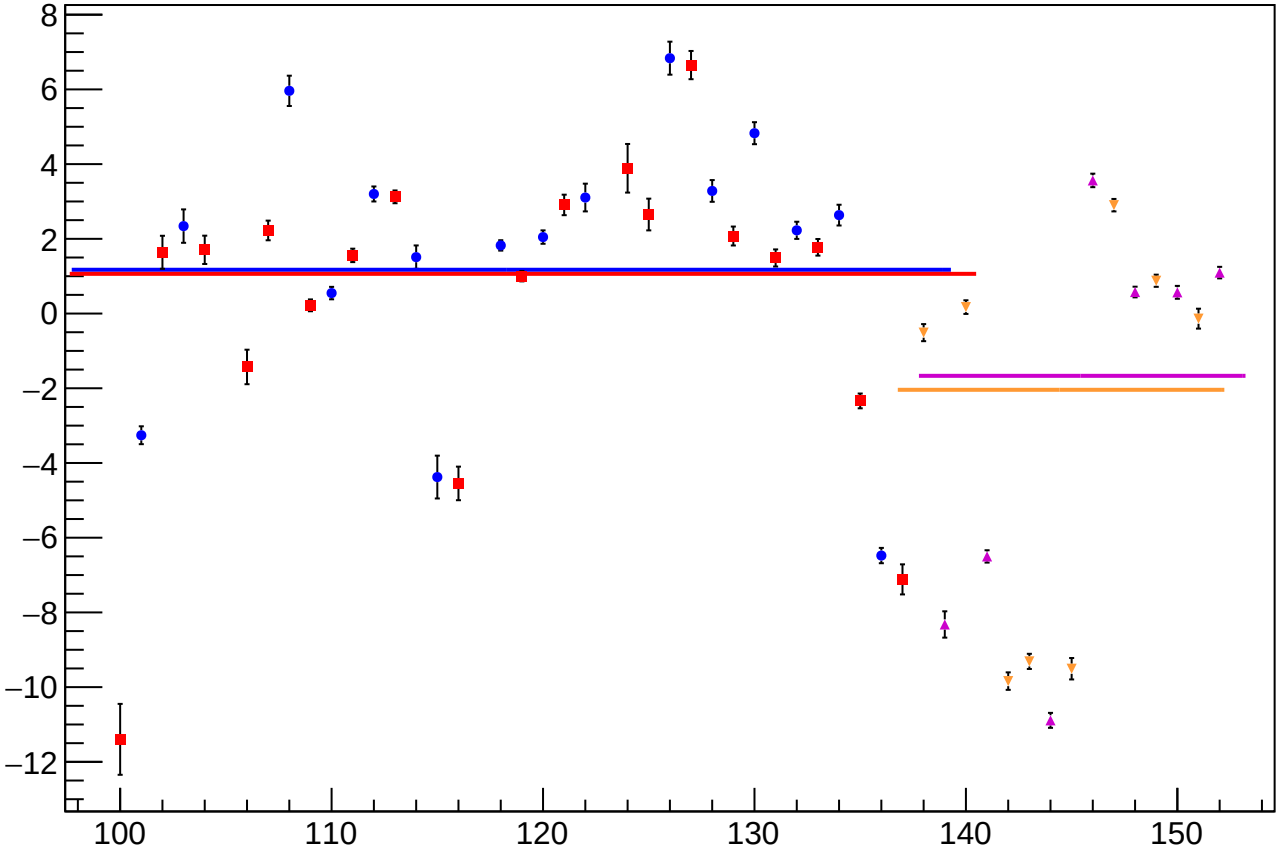
Left In: 20.240+/-0.094 χ^2/NDF:76963.0/6

+ sign 4.266+/-0.048 χ^2/NDF: 240992.0/23

All: 2.964+/-0.031 χ^2/NDF: 446987.1/49

- sign 1.992+/-0.041 χ^2/NDF: 204691.0/25

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -2.041+/-0.072 χ^2/NDF:4513.9/7

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

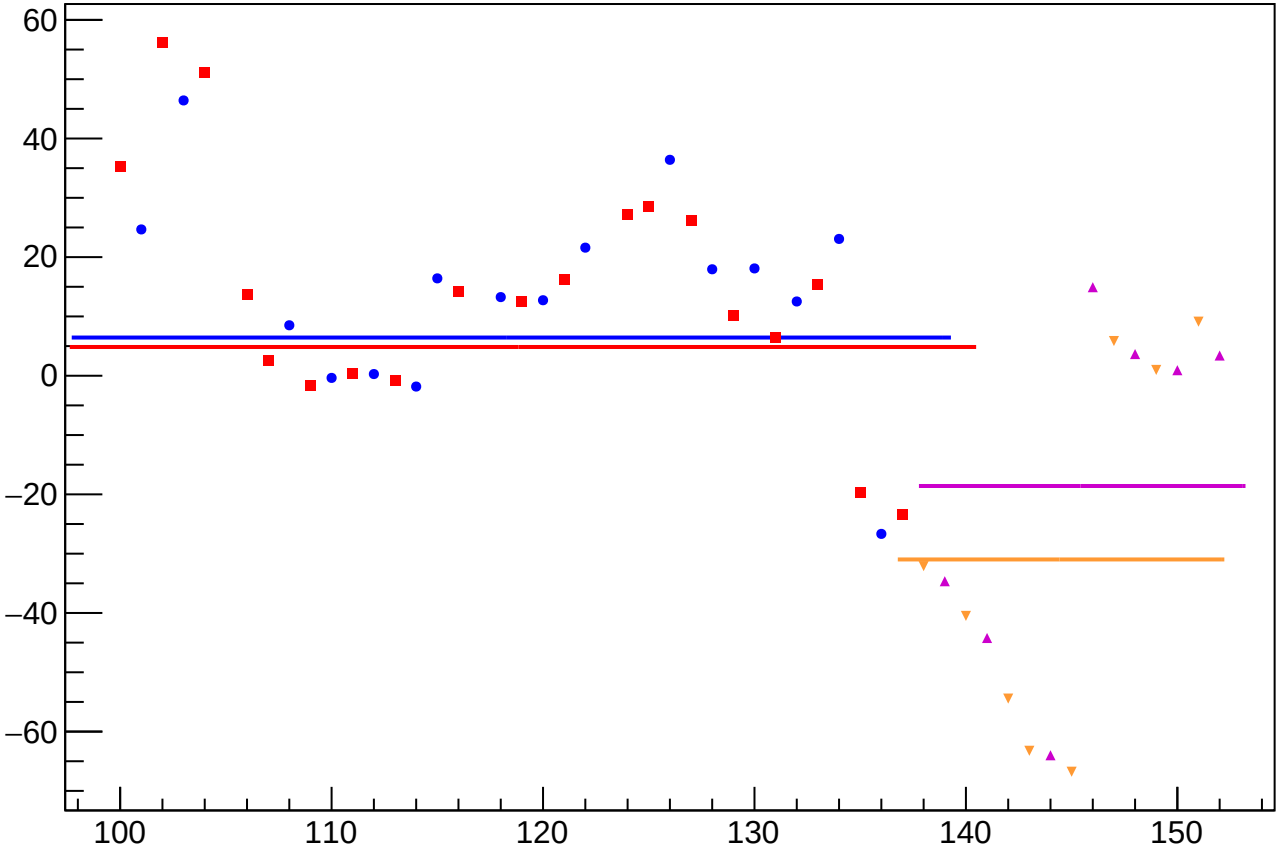
Left In: -1.667+/-0.067 χ^2/NDF:4897.4/6

+ sign -0.142+/-0.046 χ^2/NDF: 8266.8/23

All: -0.113+/-0.032 χ^2/NDF: 15729.6/49

- sign -0.087+/-0.043 χ^2/NDF: 7462.0/25

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -30.976+/-0.100 χ^2/NDF:65735.1/7

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

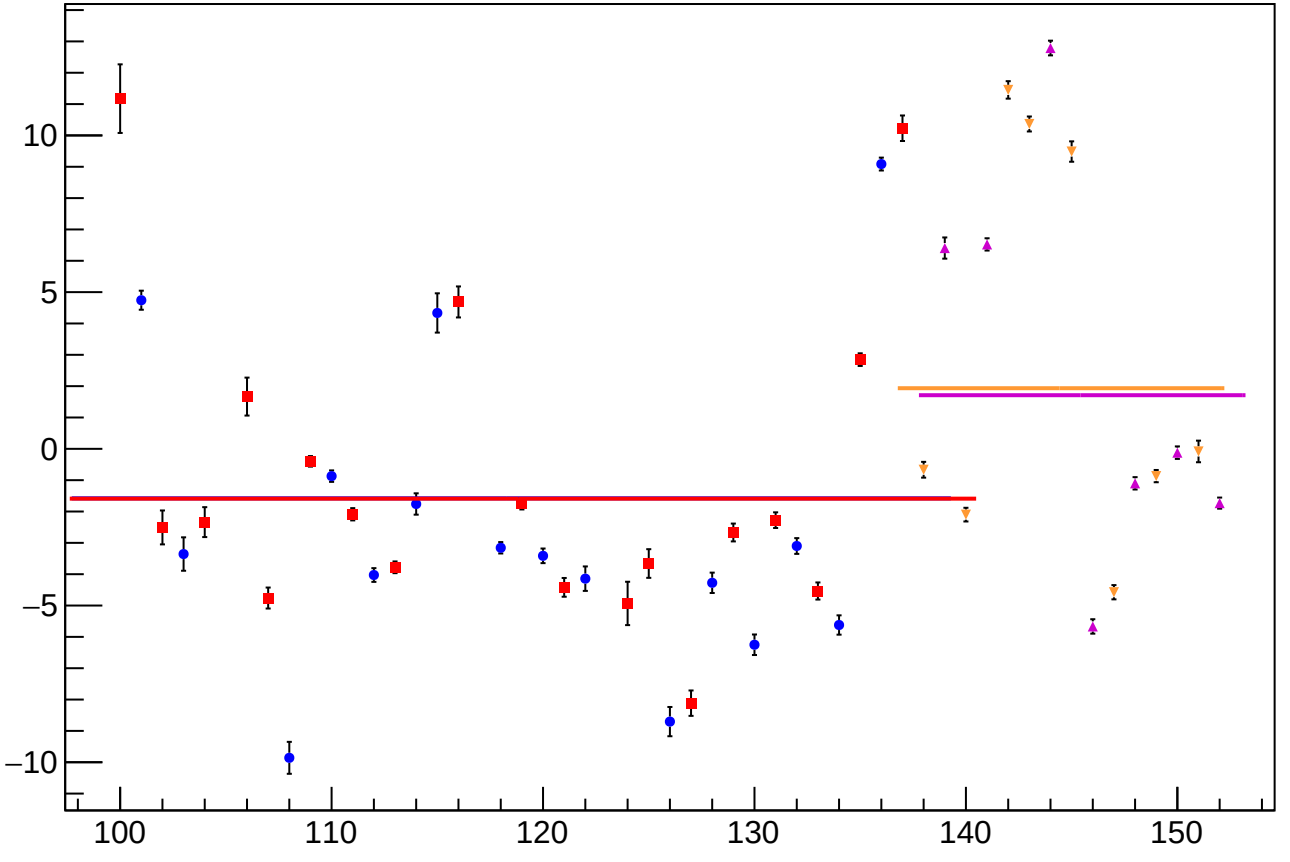
Left In: -18.590+/-0.092 χ^2/NDF:80086.7/6

+ sign -4.676+/-0.054 χ^2/NDF: 235278.0/23

All: -3.181+/-0.037 χ^2/NDF: 437875.1/49

- sign -1.937+/-0.050 χ^2/NDF: 201211.7/25

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 1.934+/-0.088 χ^2/NDF:4454.9/7

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

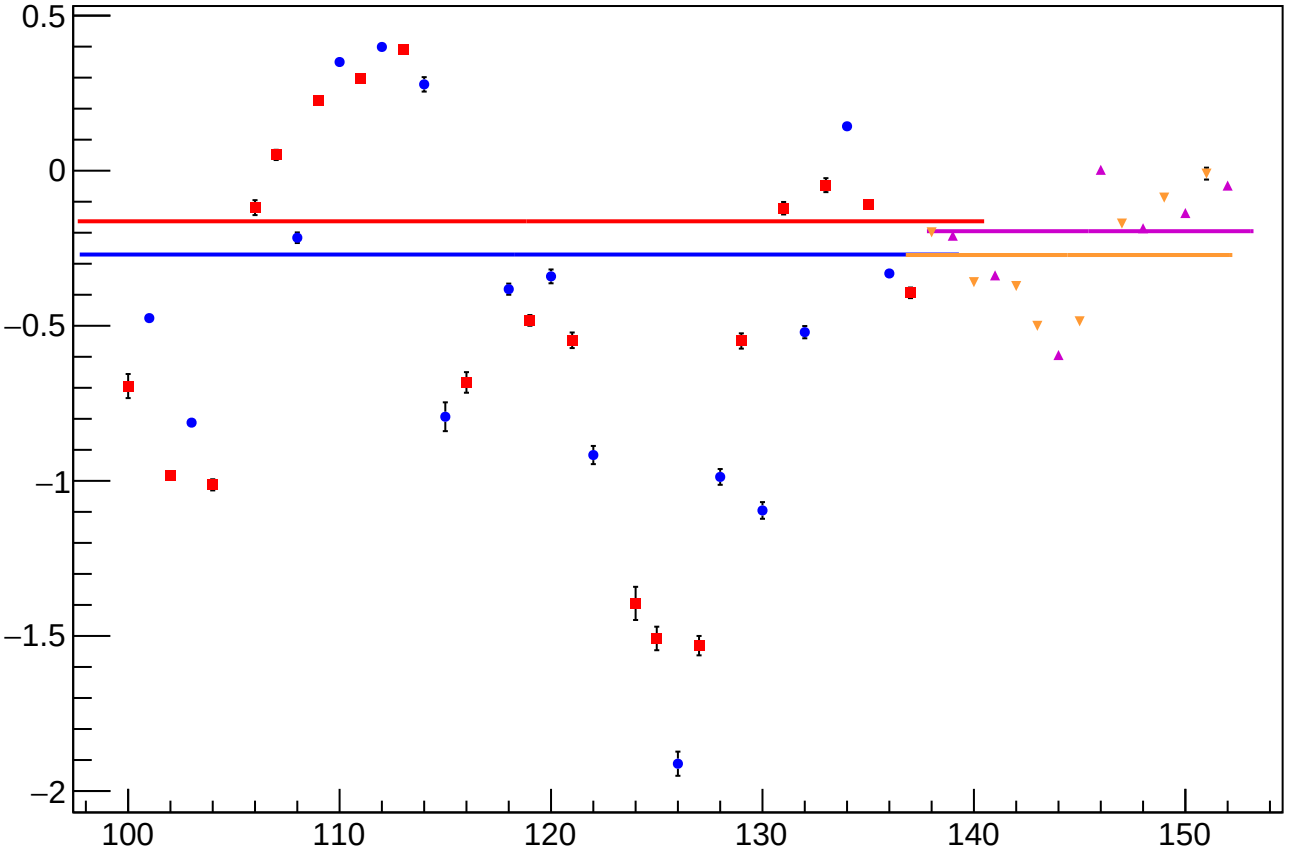
Left In: 1.711+/-0.080 χ^2/NDF:4717.6/6

+ sign -0.229+/-0.054 χ^2/NDF: 9969.9/23

All: -0.269+/-0.037 χ^2/NDF: 18189.0/49

- sign -0.303+/-0.050 χ^2/NDF: 8218.0/25

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.272+/-0.004 χ^2/NDF:1394.6/7

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

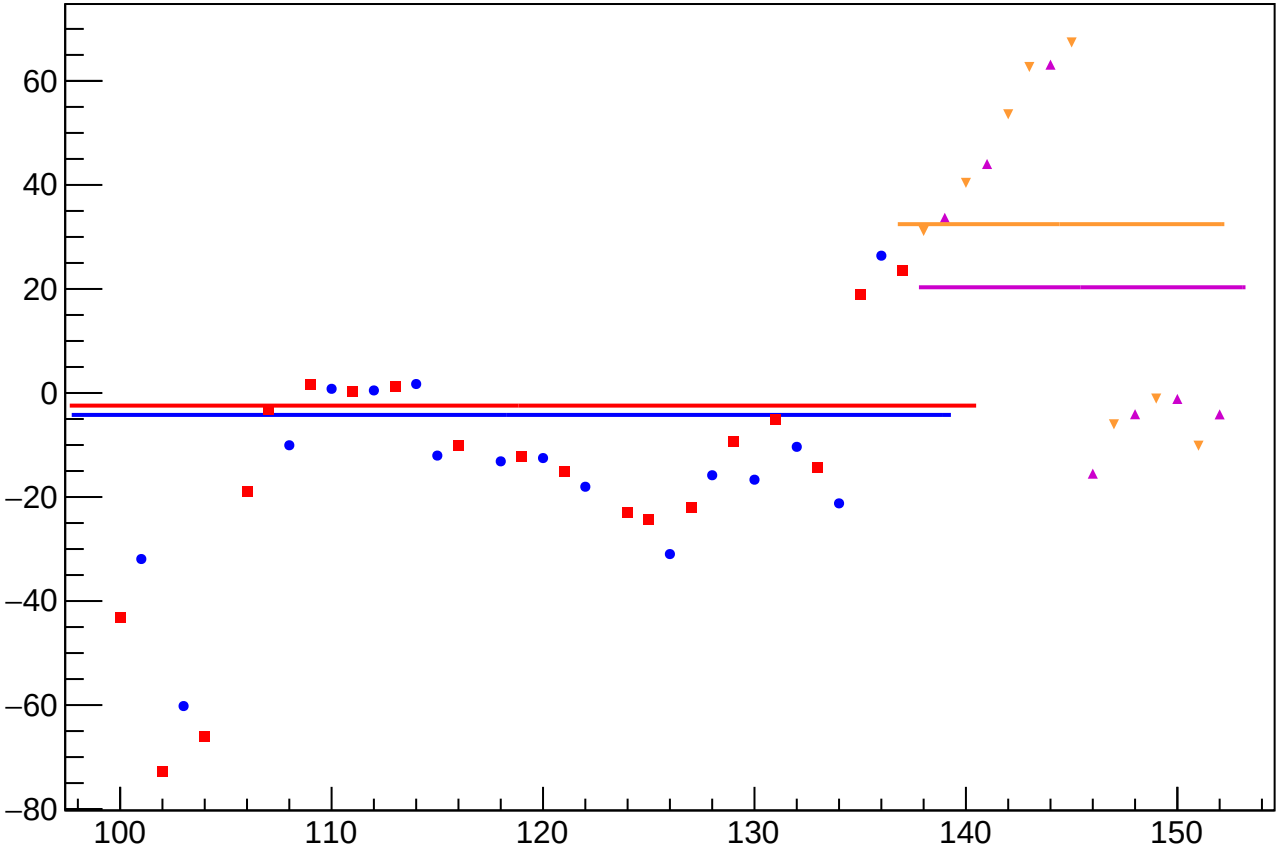
Left In: -0.195+/-0.004 χ^2/NDF:1895.8/6

+ sign -0.271+/-0.003 χ^2/NDF: 13431.0/23

All: -0.220+/-0.002 χ^2/NDF: 31420.4/49

- sign -0.180+/-0.003 χ^2/NDF: 17443.6/25

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 32.460+/-0.100 χ^2/NDF:62159.4/7

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

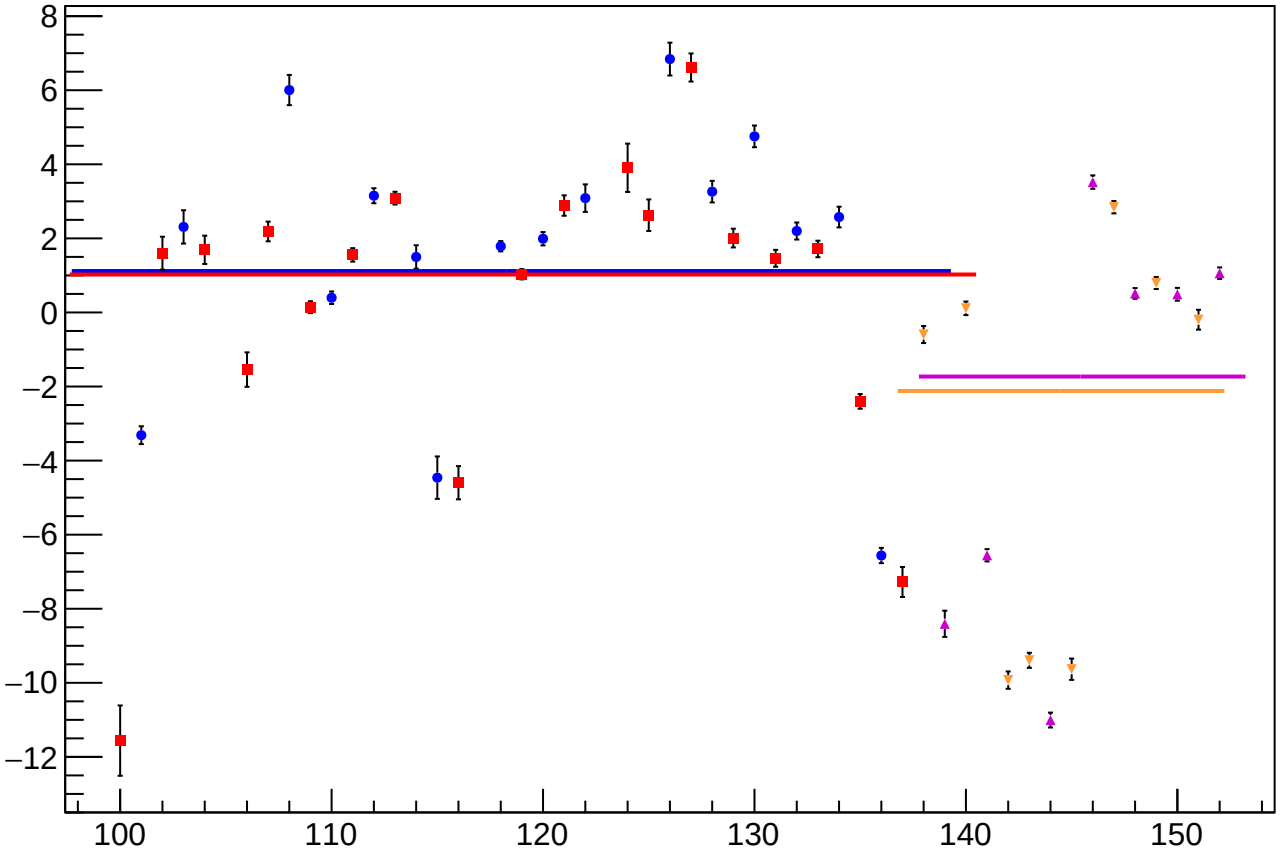
Left In: 20.324+/-0.094 χ^2/NDF:77041.8/6

+ sign 4.274+/-0.048 χ^2/NDF: 241374.1/23

All: 2.967+/-0.031 χ^2/NDF: 447569.1/49

- sign 1.990+/-0.041 χ^2/NDF: 204898.0/25

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -2.119+/-0.073 χ^2/NDF:4500.0/7

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

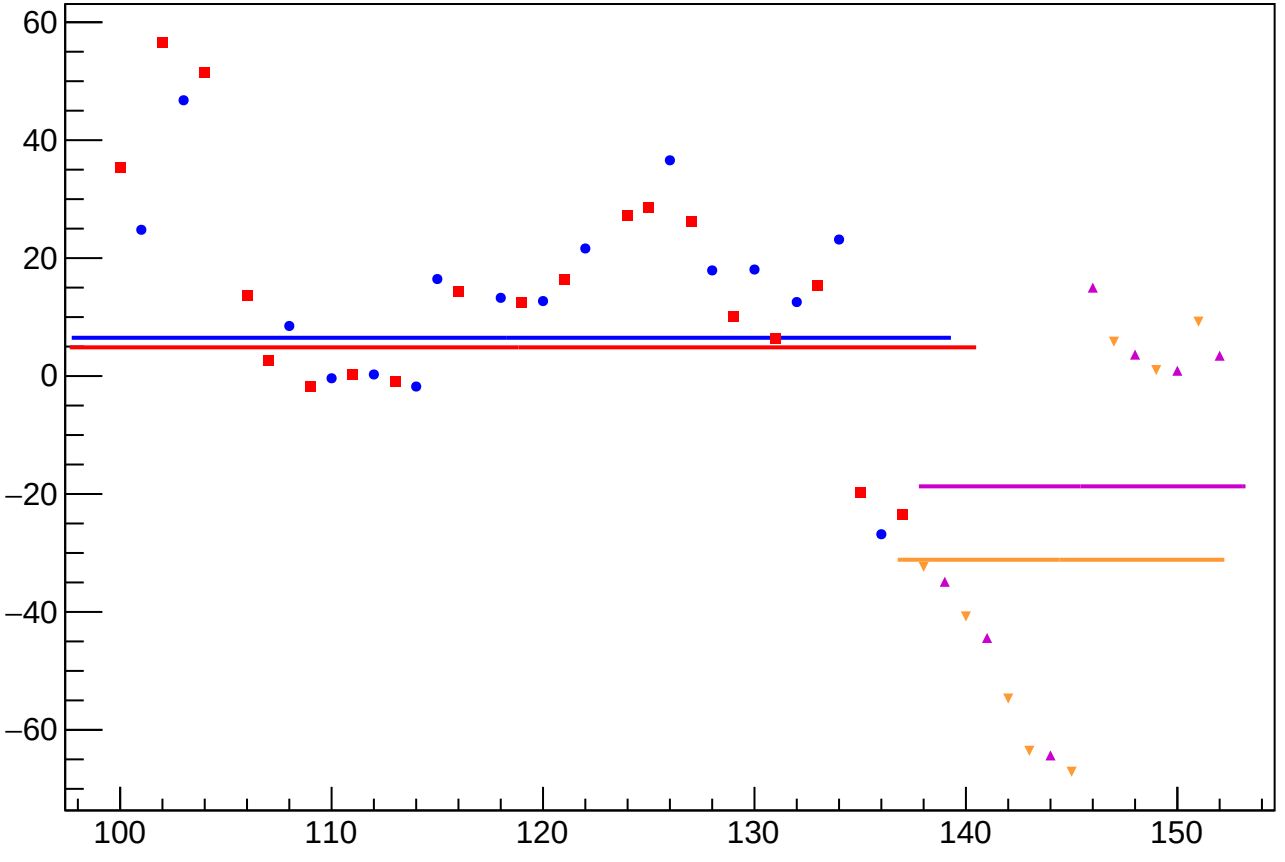
Left In: -1.731+/-0.067 χ^2/NDF:4888.2/6

+ sign -0.207+/-0.046 χ^2/NDF: 8267.3/23

All: -0.170+/-0.032 χ^2/NDF: 15745.3/49

- sign -0.137+/-0.044 χ^2/NDF: 7476.8/25

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -31.149+/-0.100 χ^2/NDF:65911.8/7

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

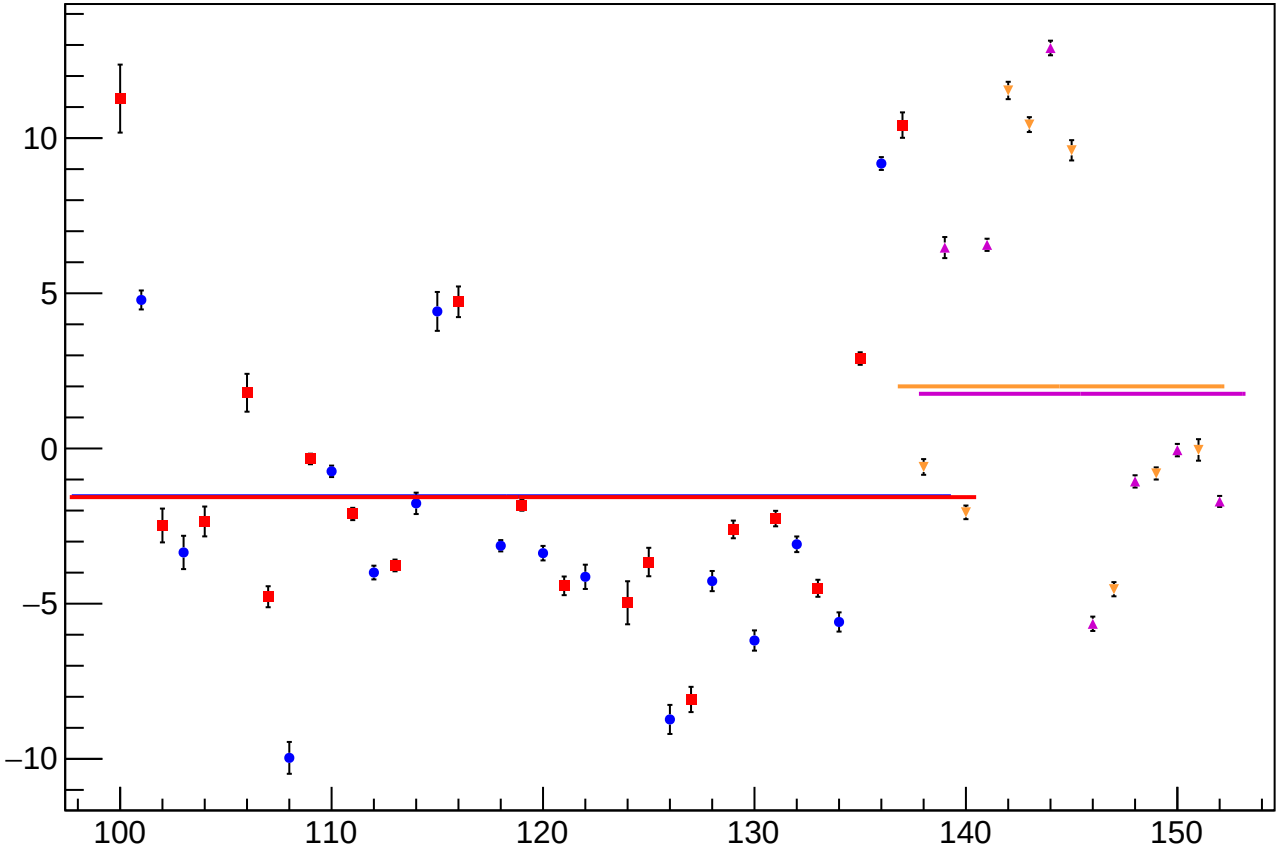
Left In: -18.702+/-0.093 χ^2/NDF:80180.1/6

+ sign -4.716+/-0.055 χ^2/NDF: 235694.8/23

All: -3.219+/-0.037 χ^2/NDF: 438536.2/49

- sign -1.973+/-0.050 χ^2/NDF: 201467.7/25

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 2.001+/-0.088 χ^2/NDF:4443.0/7

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

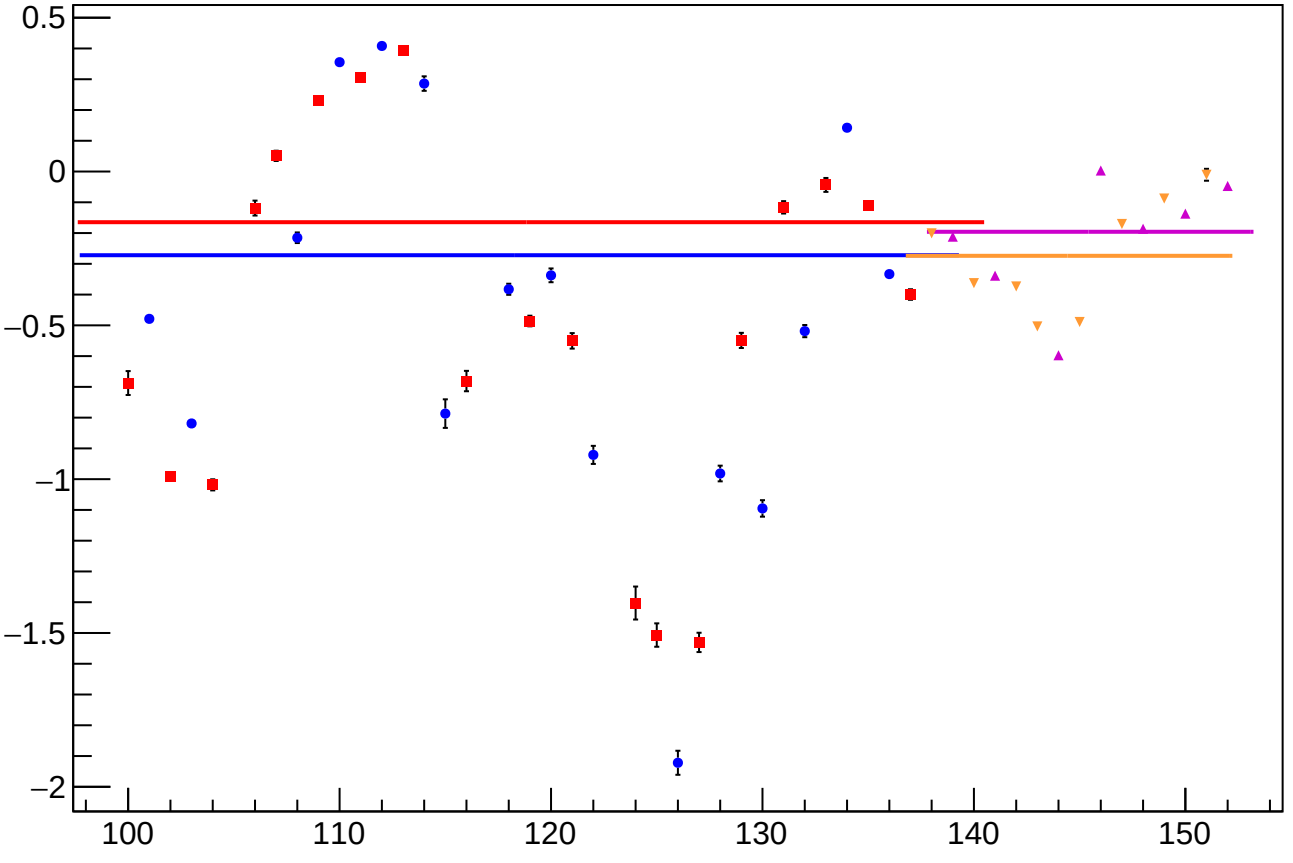
Left In: 1.762+/-0.081 χ^2/NDF:4713.5/6

+ sign -0.177+/-0.055 χ^2/NDF: 9975.8/23

All: -0.226+/-0.037 χ^2/NDF: 18224.0/49

- sign -0.269+/-0.050 χ^2/NDF: 8246.7/25

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.274+/-0.004 χ^2/NDF:1400.0/7

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

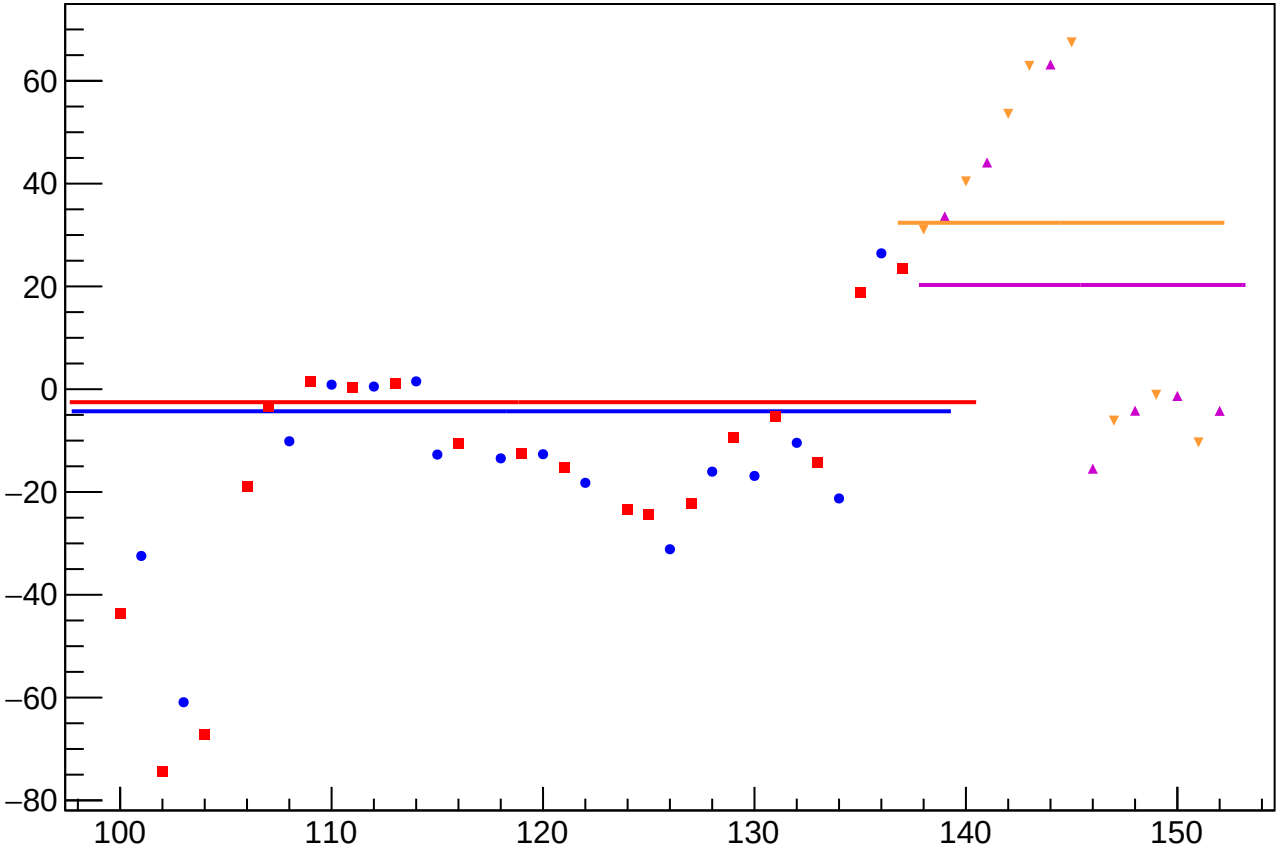
Left In: -0.196+/-0.004 χ^2/NDF:1904.1/6

+ sign -0.273+/-0.003 χ^2/NDF: 13463.7/23

All: -0.222+/-0.002 χ^2/NDF: 31443.6/49

- sign -0.181+/-0.003 χ^2/NDF: 17430.3/25

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 32.382+/-0.100 χ^2/NDF:61693.9/7

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

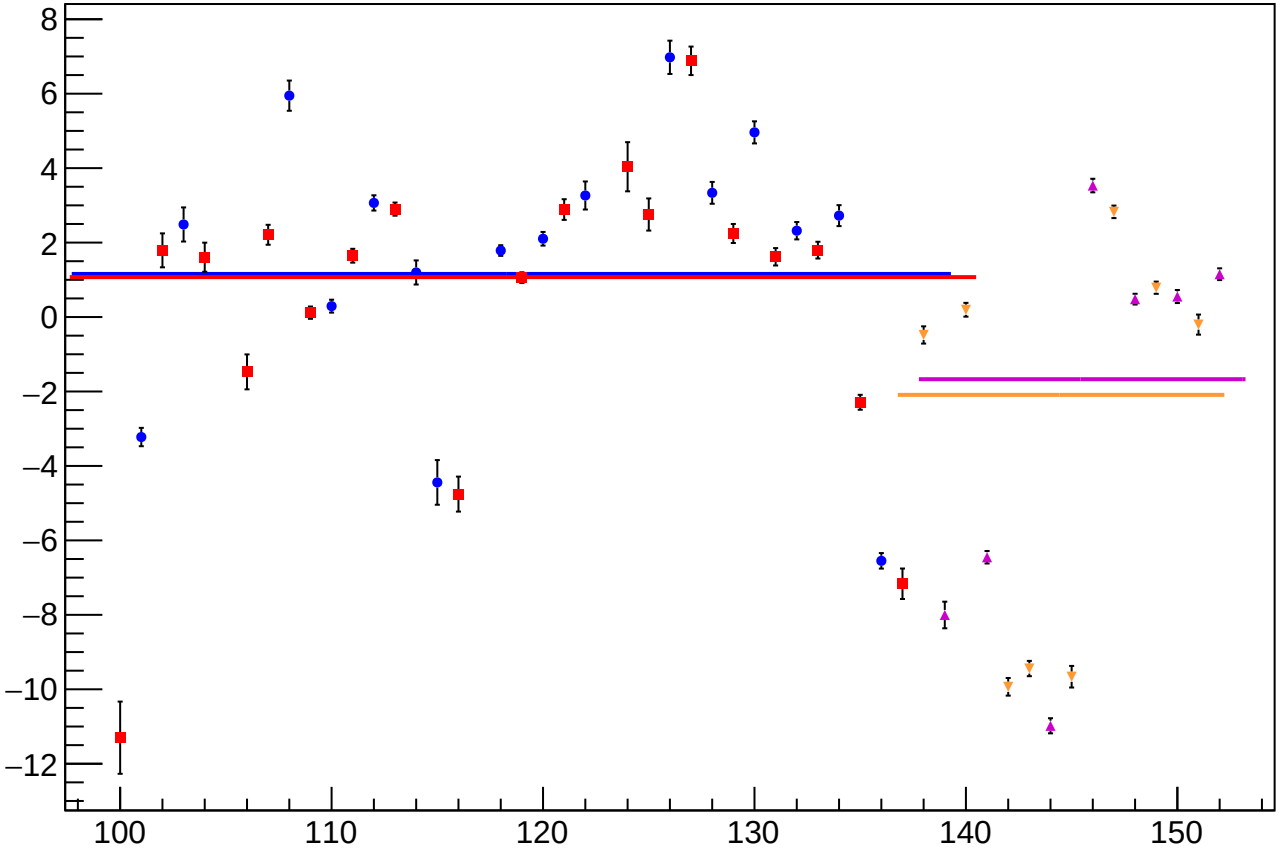
Left In: 20.280+/-0.095 χ^2/NDF:75950.9/6

+ sign 4.333+/-0.049 χ^2/NDF: 237797.6/23

All: 2.997+/-0.032 χ^2/NDF: 441114.7/49

- sign 1.991+/-0.042 χ^2/NDF: 202000.3/25

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -2.091+/-0.073 χ^2/NDF:4460.6/7

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

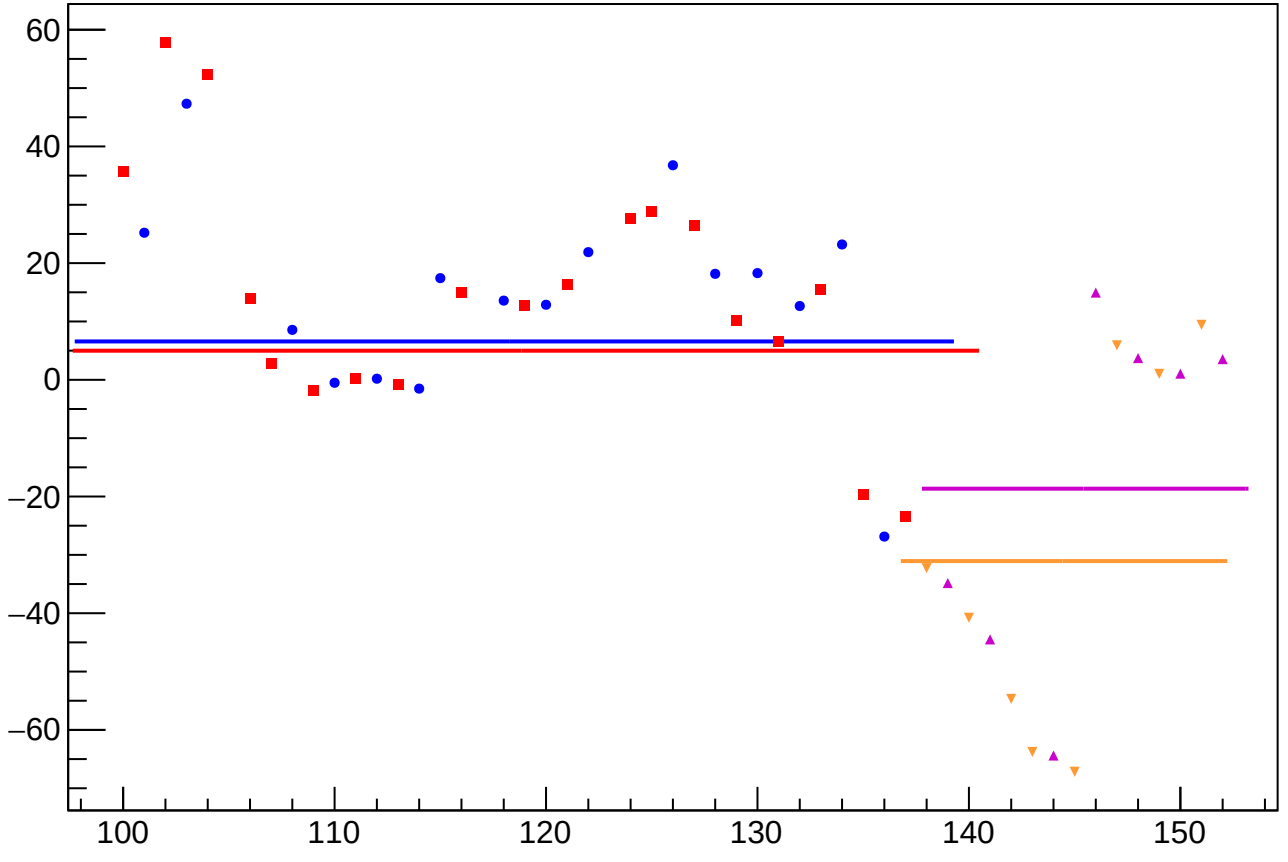
Left In: -1.670+/-0.068 χ^2/NDF:4741.7/6

+ sign -0.189+/-0.047 χ^2/NDF: 8166.9/23

All: -0.140+/-0.032 χ^2/NDF: 15403.2/49

- sign -0.096+/-0.044 χ^2/NDF: 7234.2/25

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -31.063+/-0.101 χ^2/NDF:65375.7/7

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

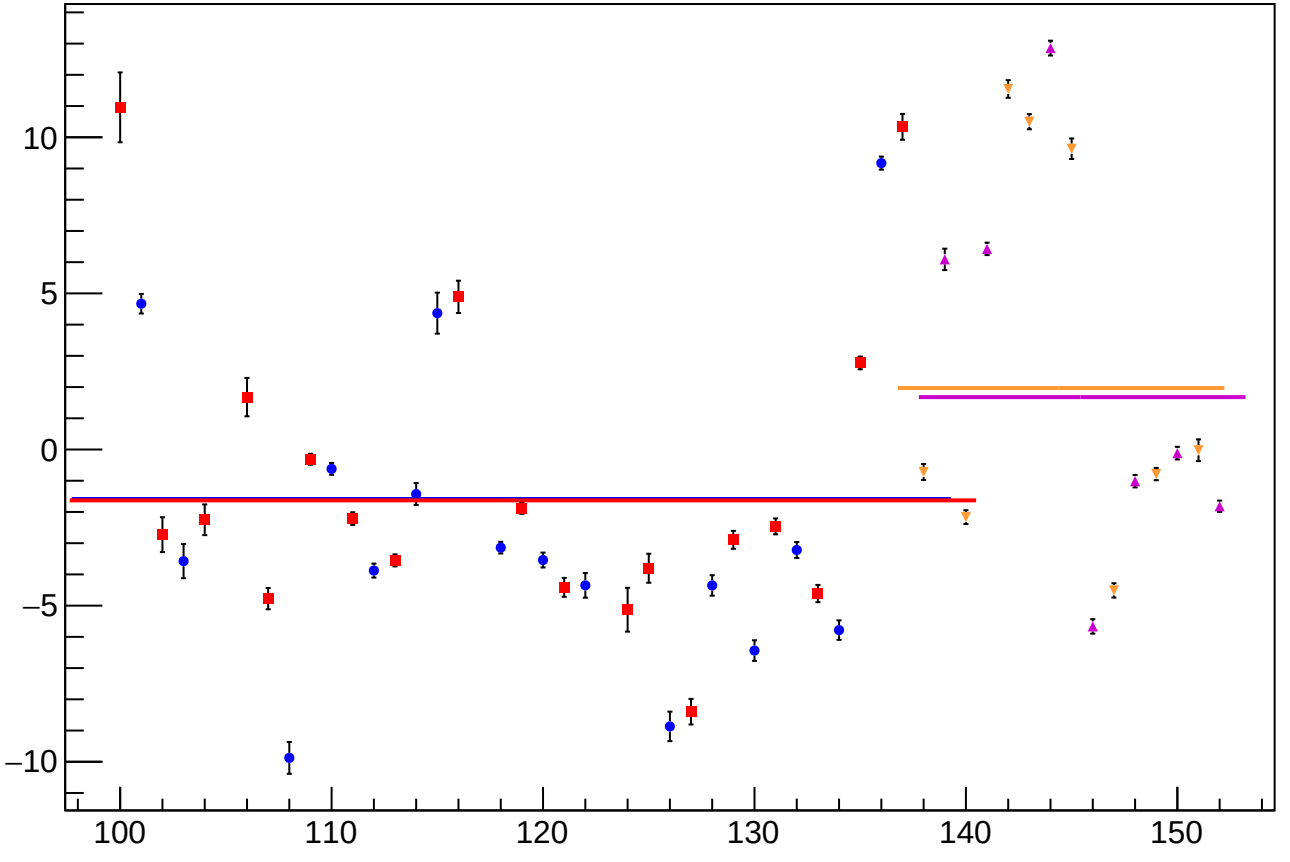
Left In: -18.657+/-0.094 χ^2/NDF:79017.7/6

+ sign -4.788+/-0.055 χ^2/NDF: 232160.0/23

All: -3.255+/-0.037 χ^2/NDF: 432151.4/49

- sign -1.971+/-0.051 χ^2/NDF: 198587.4/25

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 1.969+/-0.089 χ^2/NDF:4412.6/7

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

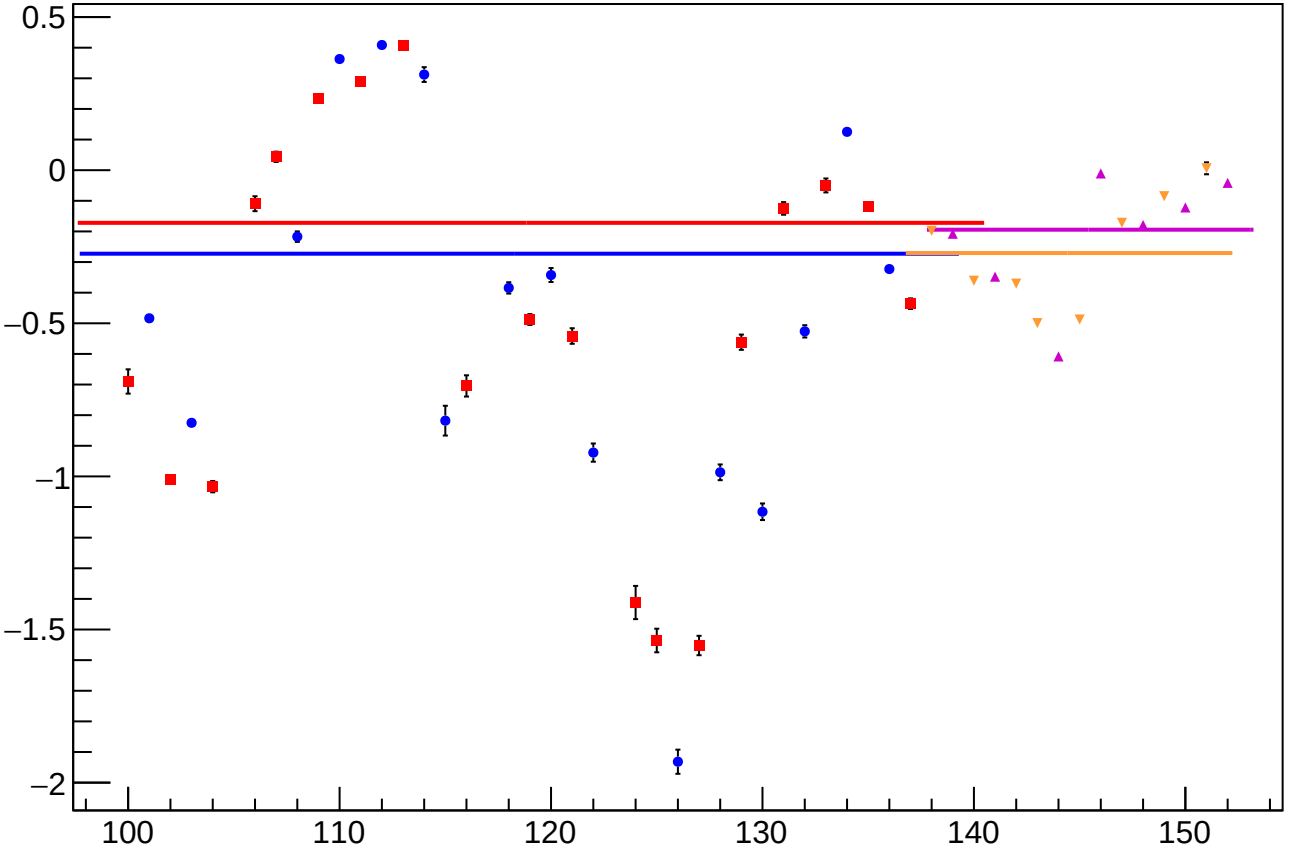
Left In: 1.678+/-0.082 χ^2/NDF:4581.5/6

+ sign -0.200+/-0.055 χ^2/NDF: 9867.9/23

All: -0.267+/-0.038 χ^2/NDF: 17868.8/49

- sign -0.324+/-0.051 χ^2/NDF: 7998.2/25

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.271+/-0.004 χ^2/NDF:1394.9/7

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

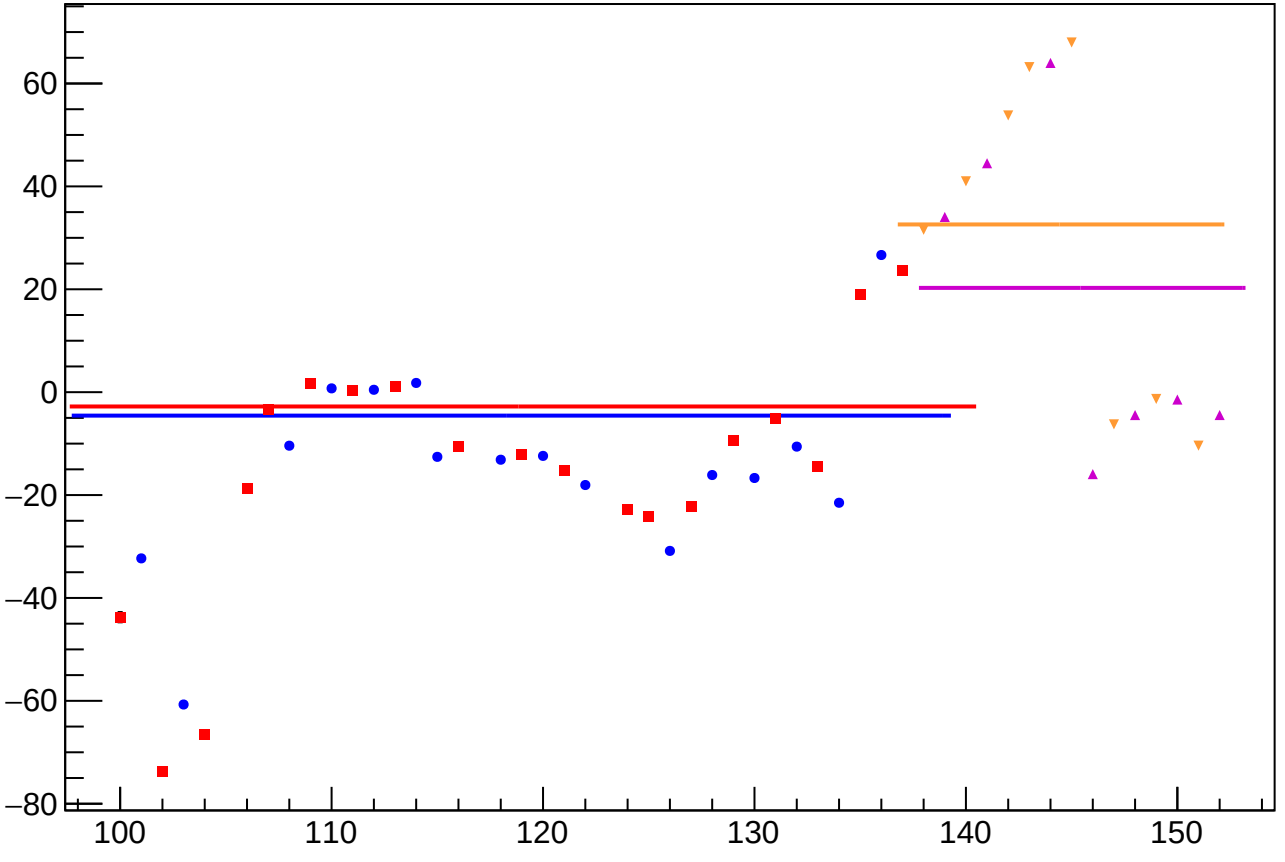
Left In: -0.194+/-0.004 χ^2/NDF:1970.0/6

+ sign -0.272+/-0.003 χ^2/NDF: 13251.3/23

All: -0.223+/-0.002 χ^2/NDF: 31050.9/49

- sign -0.184+/-0.003 χ^2/NDF: 17310.2/25

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 32.604+/-0.102 χ^2/NDF:61142.1/7

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

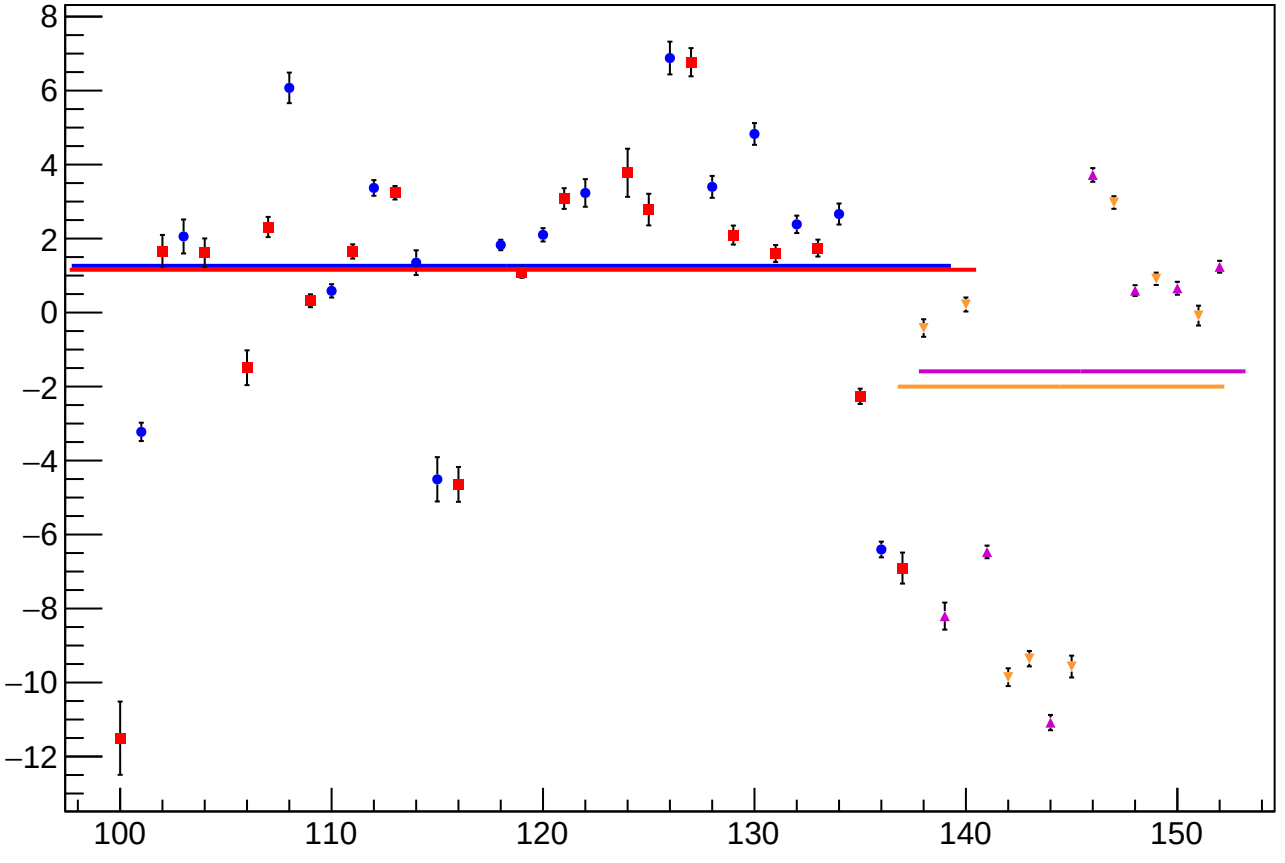
Left In: 20.271+/-0.097 χ^2/NDF:75774.3/6

+ sign 4.191+/-0.050 χ^2/NDF: 234538.7/23

All: 2.869+/-0.033 χ^2/NDF: 434931.2/49

- sign 1.861+/-0.043 χ^2/NDF: 199143.5/25

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -2.001+/-0.074 χ^2/NDF:4359.7/7

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

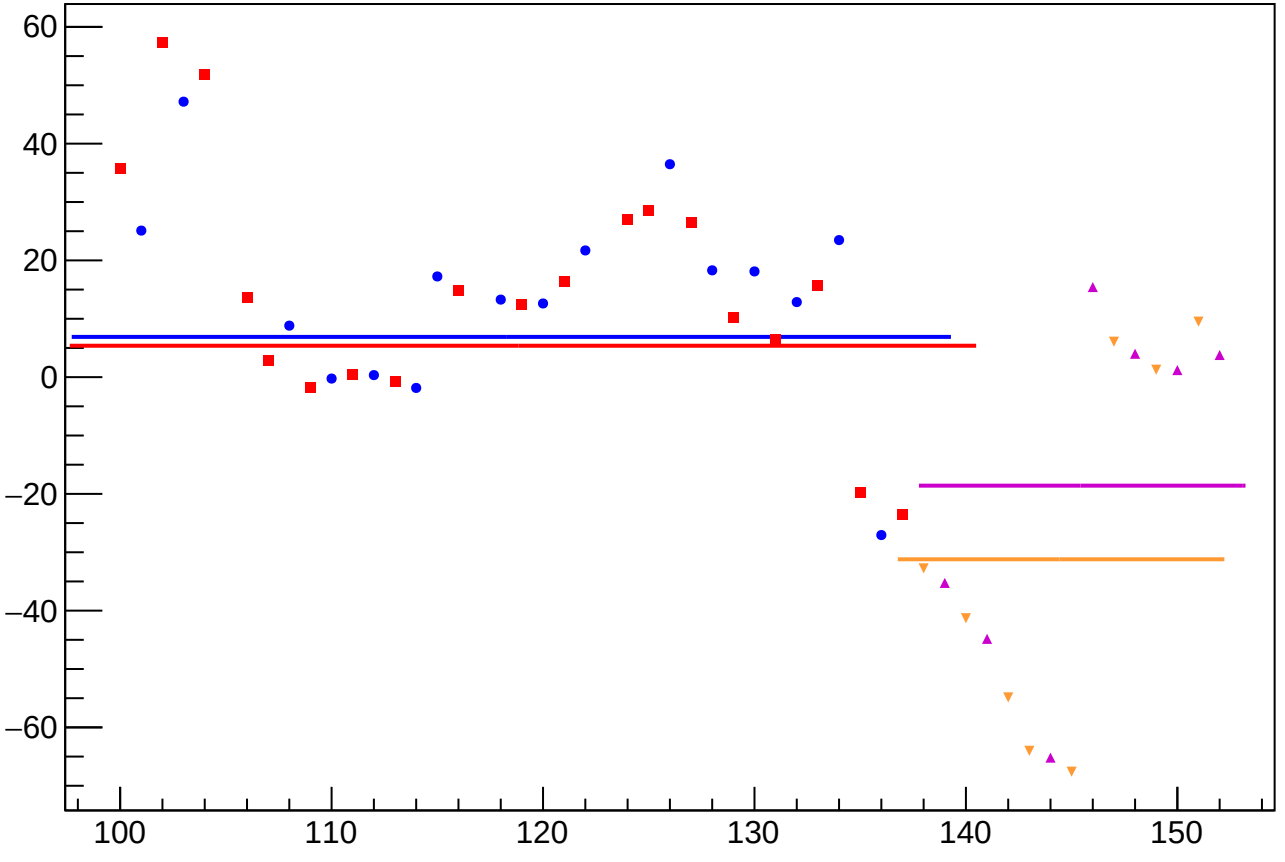
Left In: -1.589+/-0.069 χ^2/NDF:4765.5/6

+ sign -0.079+/-0.048 χ^2/NDF: 7942.1/23

All: -0.043+/-0.033 χ^2/NDF: 15117.3/49

- sign -0.010+/-0.045 χ^2/NDF: 7174.1/25

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -31.203+/-0.103 χ^2/NDF:64775.2/7

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

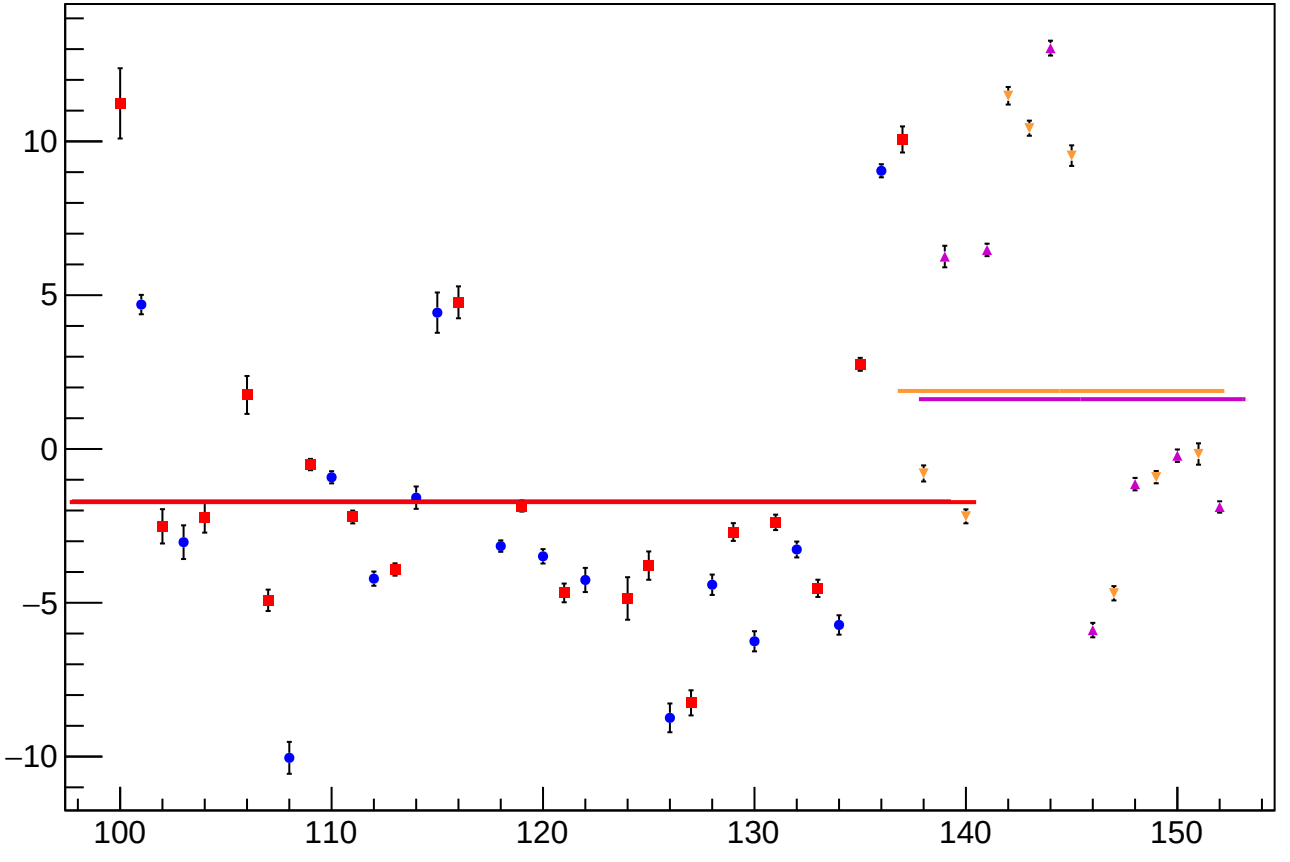
Left In: -18.587+/-0.095 χ^2/NDF:78744.8/6

\+ sign -4.550+/-0.056 χ^2/NDF: 228912.6/23

All: -3.017+/-0.038 χ^2/NDF: 426005.5/49

\- sign -1.724+/-0.052 χ^2/NDF: 195728.1/25

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 1.887+/-0.090 χ^2/NDF:4314.5/7

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

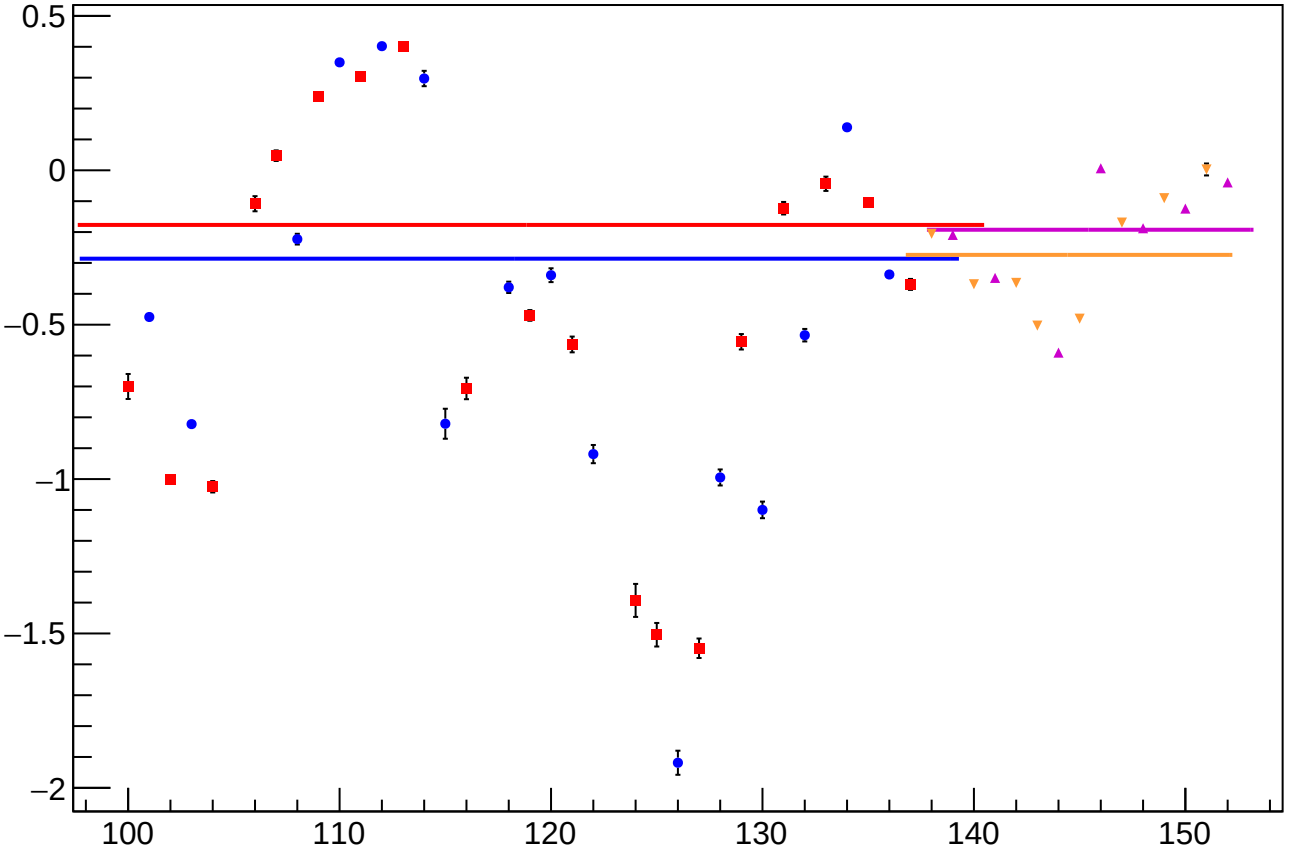
Left In: 1.619+/-0.083 χ^2/NDF:4615.8/6

+ sign -0.316+/-0.056 χ^2/NDF: 9581.2/23

All: -0.365+/-0.038 χ^2/NDF: 17496.5/49

- sign -0.407+/-0.052 χ^2/NDF: 7913.9/25

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.274+/-0.004 χ^2/NDF:1327.7/7

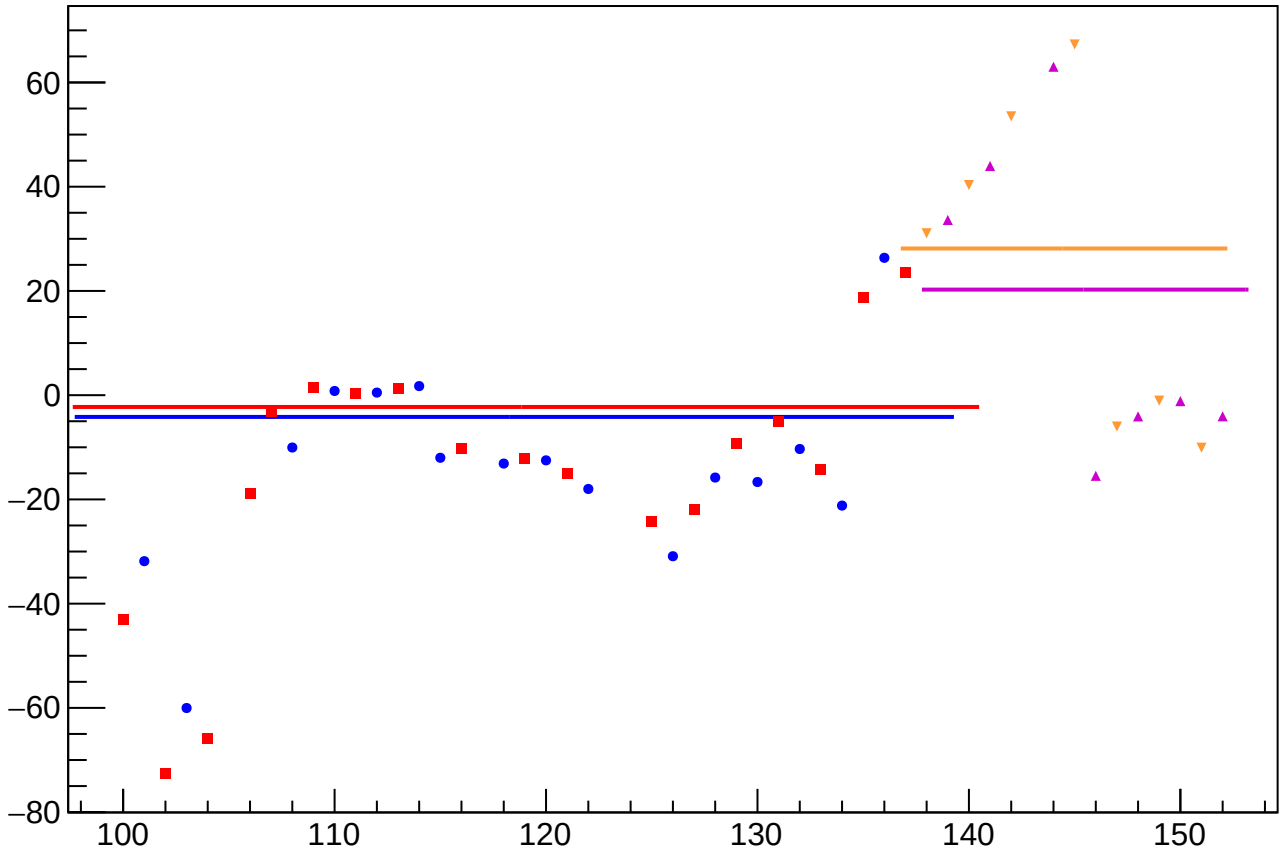
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.193+/-0.004 χ^2/NDF:1861.6/6

+ sign -0.280+/-0.003 χ^2/NDF: 12693.0/23

All: -0.227+/-0.002 χ^2/NDF: 29881.8/49

- sign -0.185+/-0.003 χ^2/NDF: 16637.7/25



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 28.146+/-0.106 χ^2/NDF:49219.7/6

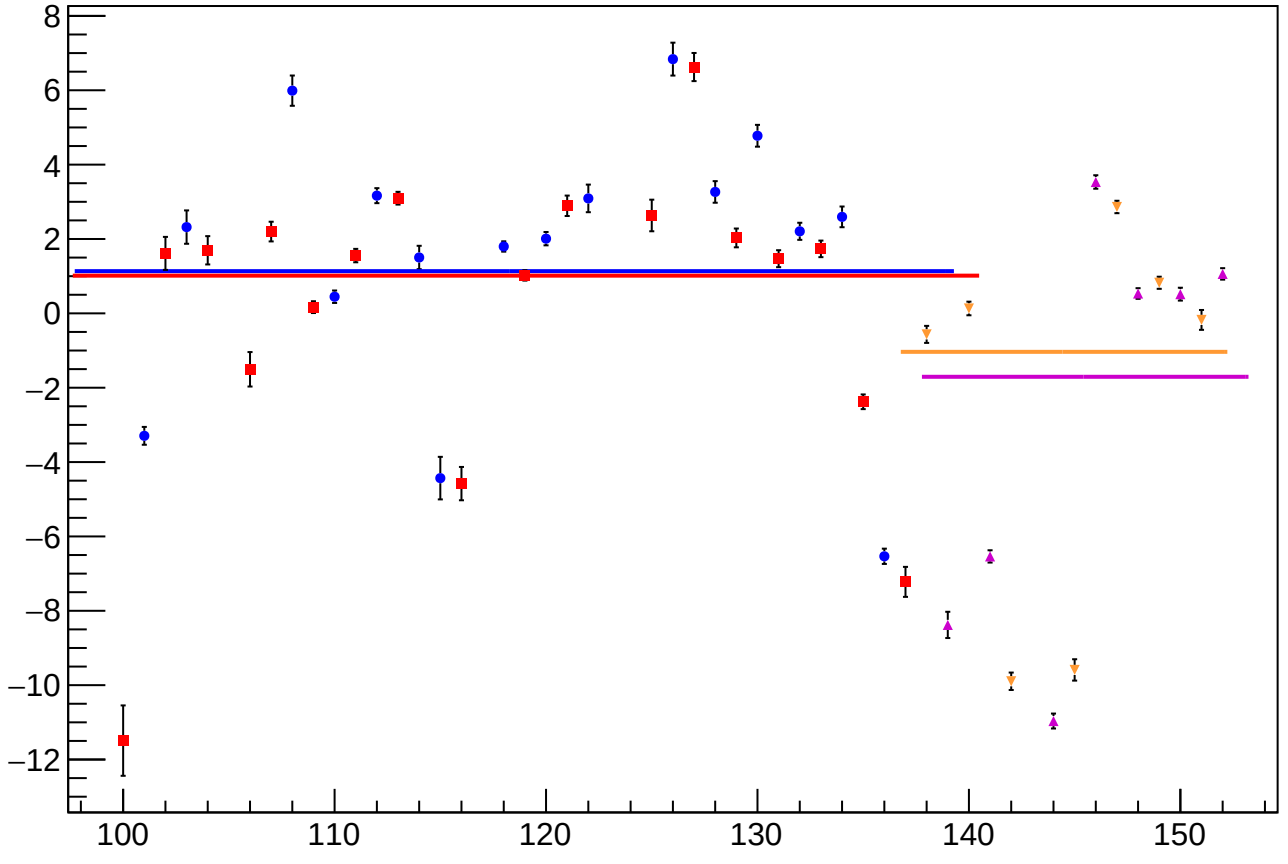
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 20.256+/-0.094 χ^2/NDF:77250.3/6

+ sign 2.553+/-0.048 χ^2/NDF: 197938.6/22

All: 2.300+/-0.031 χ^2/NDF: 401351.9/47

- sign 2.115+/-0.041 χ^2/NDF: 203366.0/24



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -1.035+/-0.077 χ^2/NDF:3044.3/6

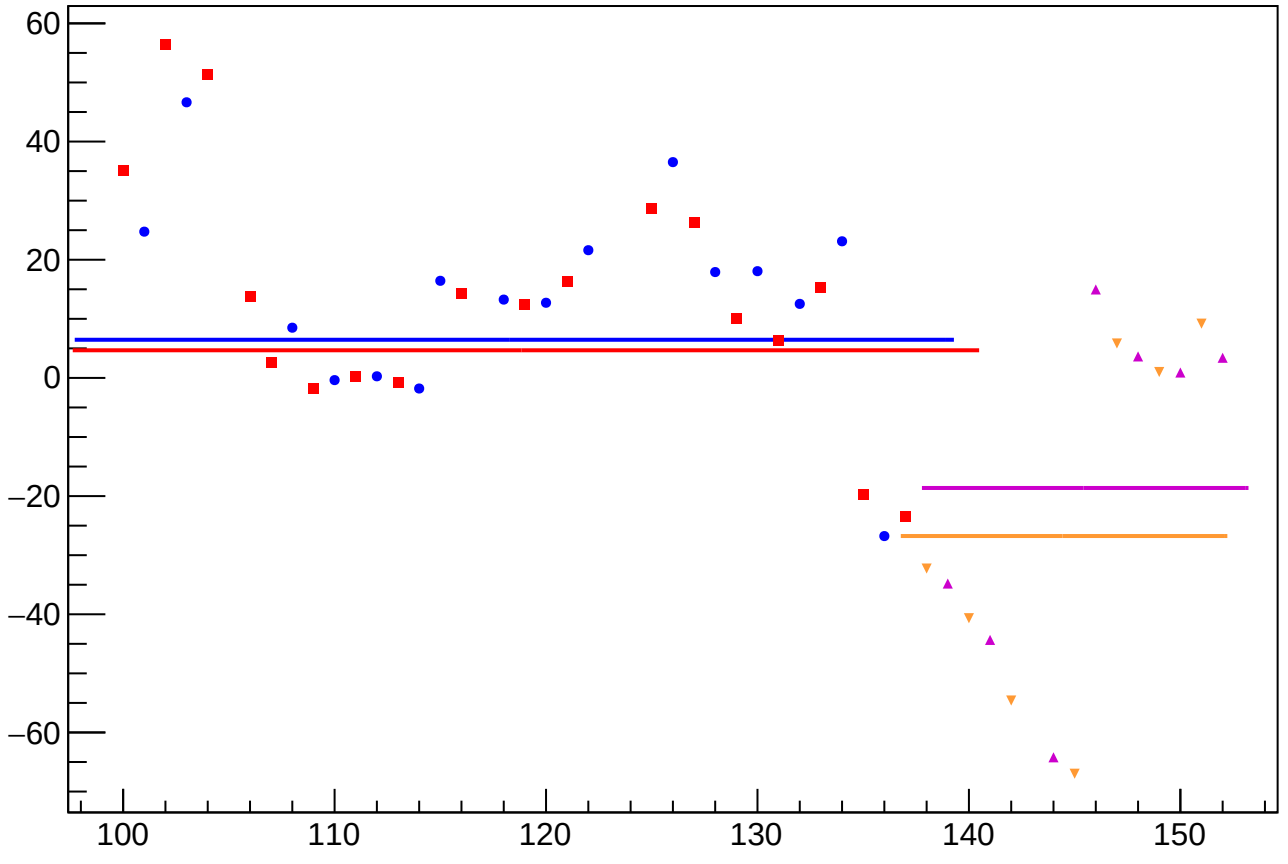
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -1.706+/-0.067 χ^2/NDF:4901.2/6

+ sign 0.318+/-0.048 χ^2/NDF: 6129.3/22

All: 0.071+/-0.032 χ^2/NDF: 13630.0/47

- sign -0.136+/-0.043 χ^2/NDF: 7450.8/24



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -26.757+/-0.106 χ^2/NDF:51934.6/6

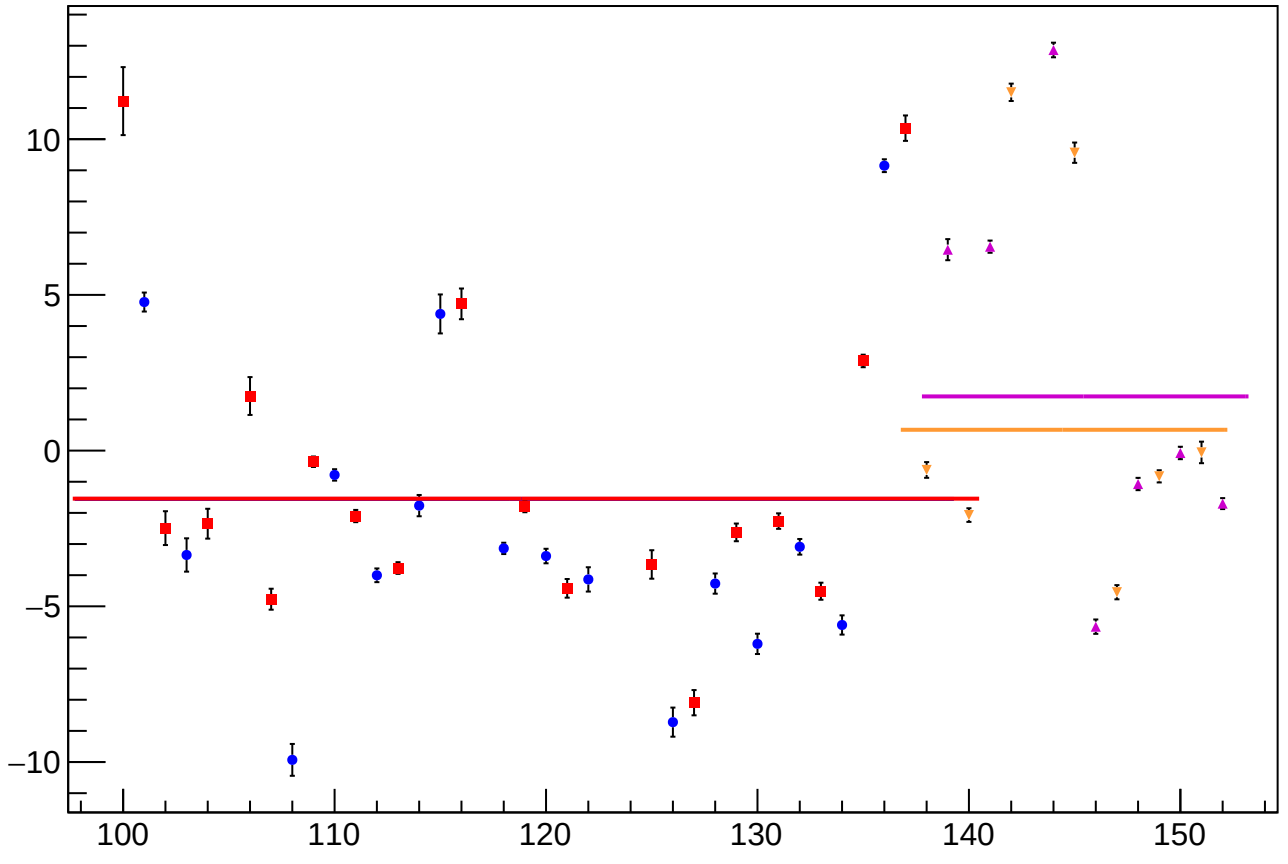
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -18.625+/-0.092 χ^2/NDF:80386.2/6

\+ sign -2.564+/-0.055 χ^2/NDF: 193741.1/22

All: -2.310+/-0.037 χ^2/NDF: 393841.8/47

\- sign -2.105+/-0.050 χ^2/NDF: 200062.7/24



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: 0.669+/-0.094 χ^2/NDF:3020.2/6

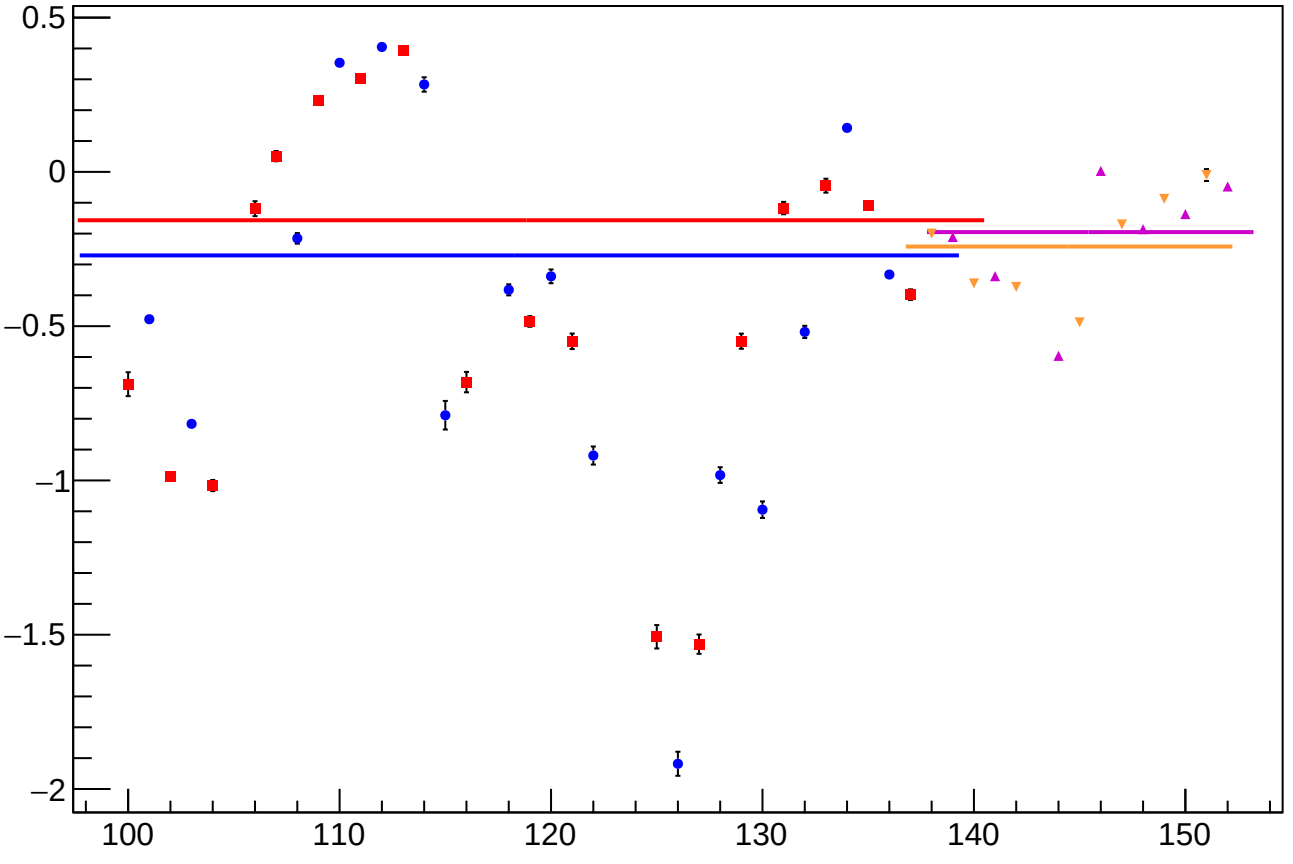
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 1.740+/-0.080 χ^2/NDF:4724.5/6

\+ sign -0.773+/-0.056 χ^2/NDF: 7923.8/22

All: -0.488+/-0.037 χ^2/NDF: 16181.1/47

\- sign -0.257+/-0.050 χ^2/NDF: 8210.2/24



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.242+/-0.004 χ^2/NDF:975.3/6

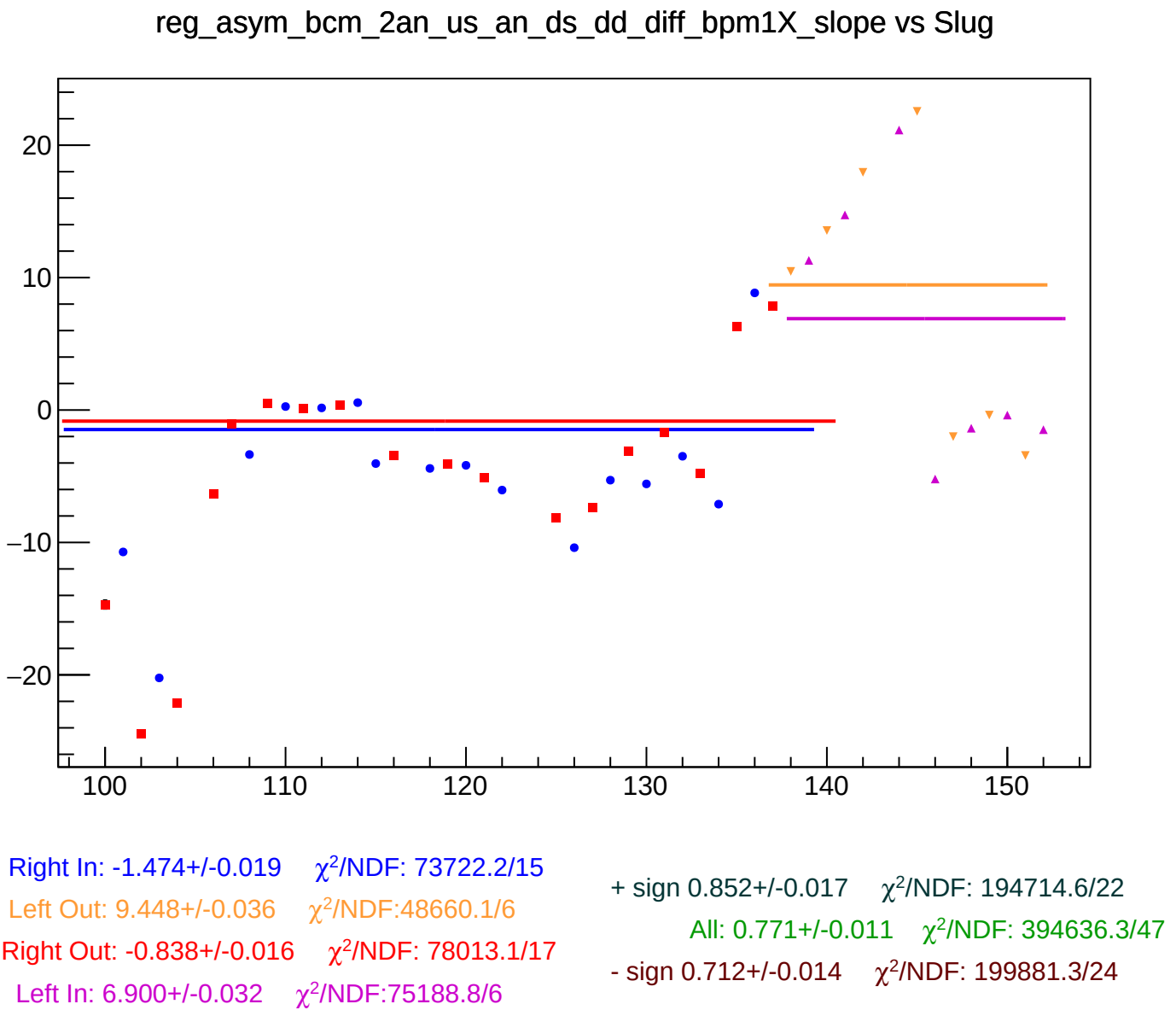
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

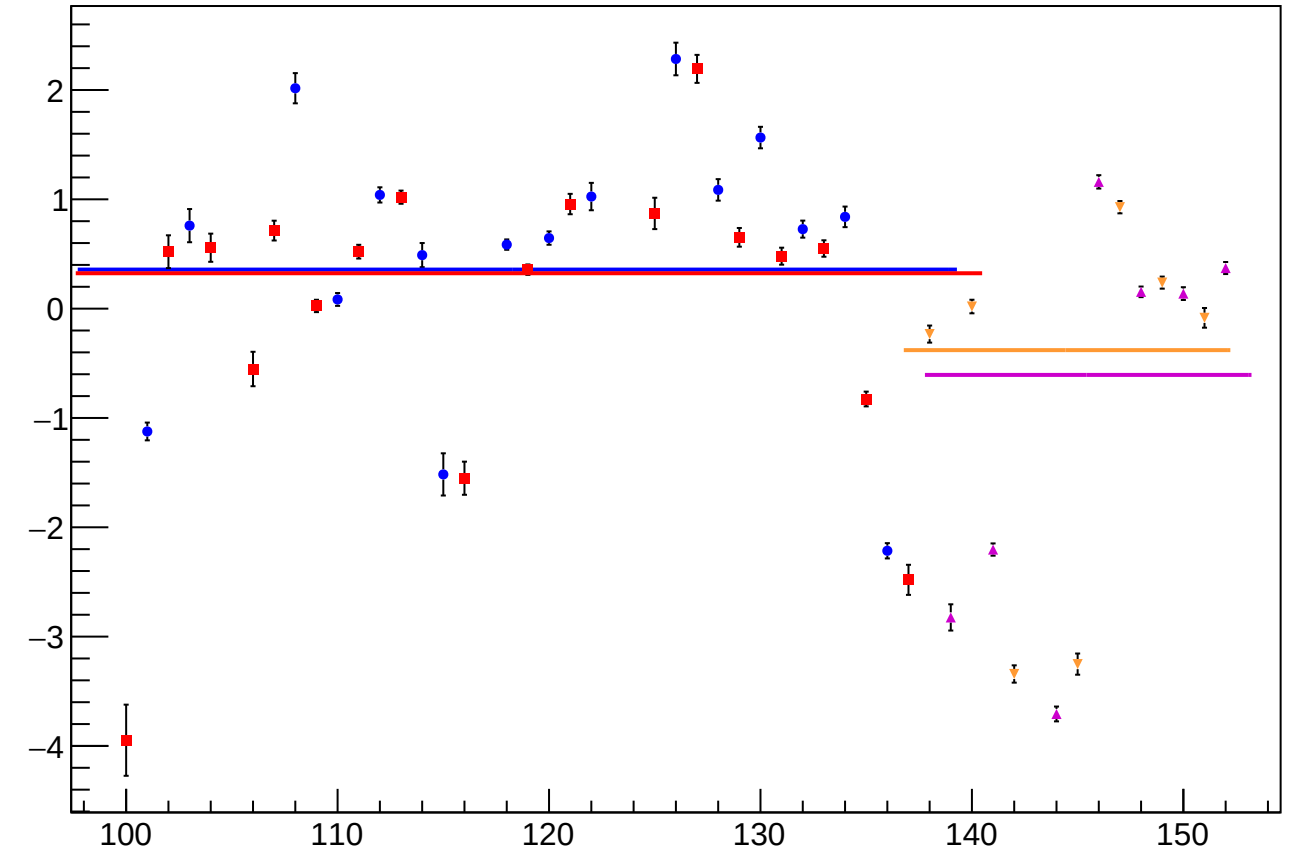
Left In: -0.195+/-0.004 χ^2/NDF:1909.0/6

\+ sign -0.257+/-0.003 χ^2/NDF: 13094.2/22

All: -0.211+/-0.002 χ^2/NDF: 30481.3/47

\- sign -0.177+/-0.003 χ^2/NDF: 16982.4/24


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: 9.448+/-0.036 χ²/NDF:48660.1/6
Right Out: -0.838+/-0.016 χ²/NDF: 78013.1/17
Left In: 6.900+/-0.032 χ²/NDF:75188.8/6
+ sign 0.852+/-0.017 χ²/NDF: 194714.6/22
All: 0.771+/-0.011 χ²/NDF: 394636.3/47
- sign 0.712+/-0.014 χ²/NDF: 199881.3/24



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -0.380+/-0.026 χ^2/NDF:2993.8/6

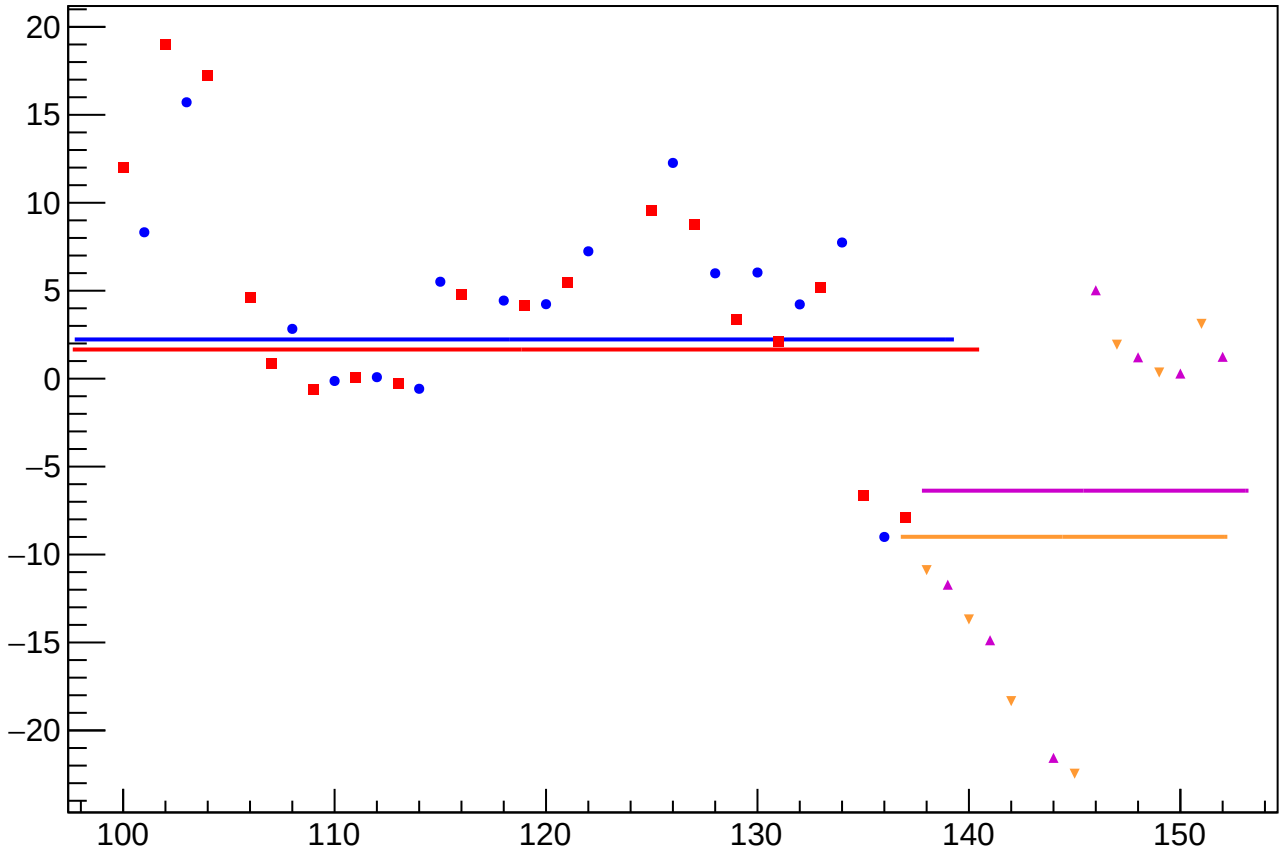
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -0.606+/-0.023 χ^2/NDF:4793.2/6

+ sign 0.076+/-0.016 χ^2/NDF: 6025.4/22

All: -0.005+/-0.011 χ^2/NDF: 13374.6/47

- sign -0.073+/-0.015 χ^2/NDF: 7303.1/24



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -8.991+/-0.036 χ^2/NDF:51344.7/6

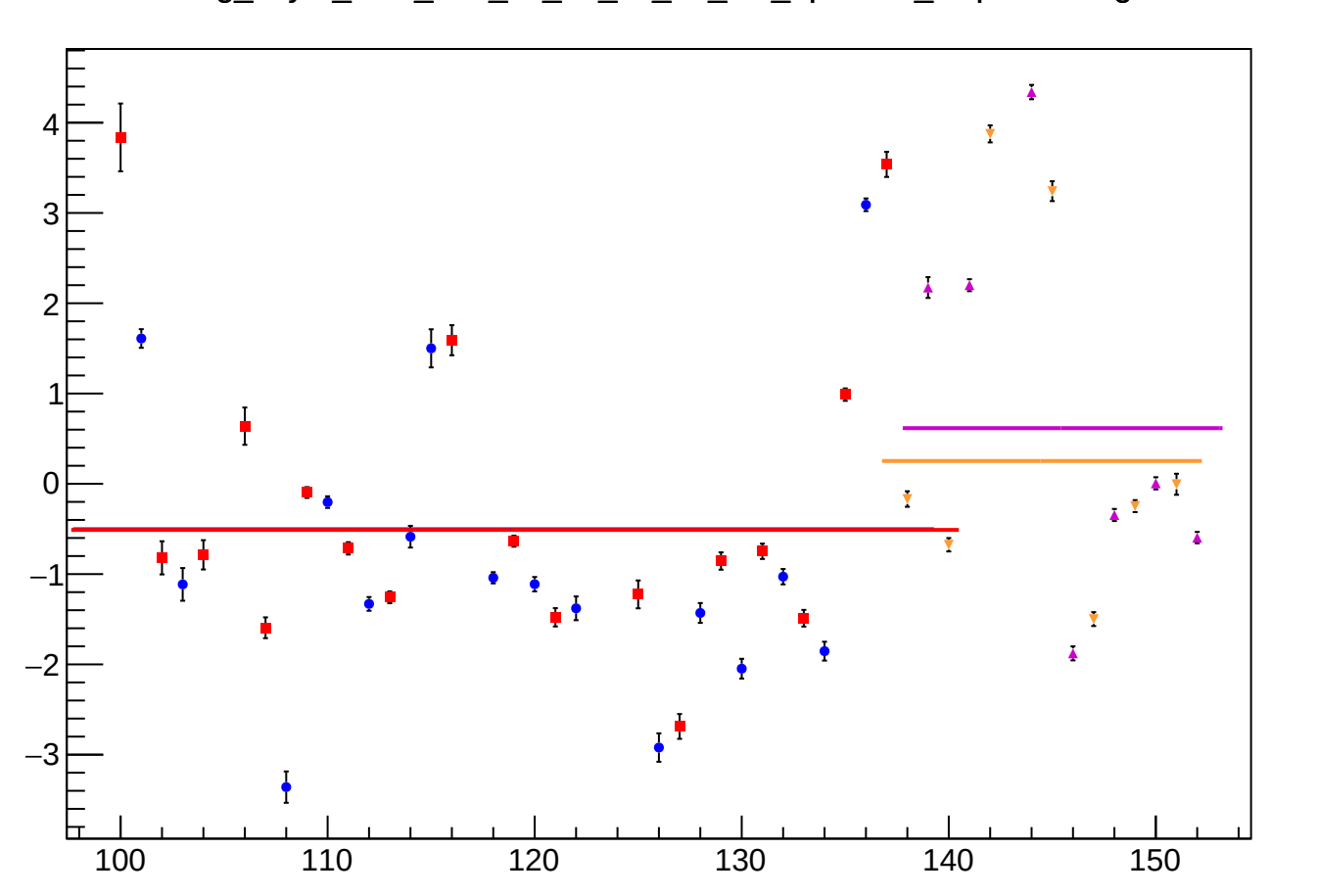
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -6.369+/-0.032 χ^2/NDF:78313.9/6

+ sign -0.865+/-0.019 χ^2/NDF: 190600.9/22

All: -0.784+/-0.013 χ^2/NDF: 387341.4/47

- sign -0.719+/-0.017 χ^2/NDF: 196707.9/24



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: 0.253+/-0.032 χ^2/NDF:2971.4/6

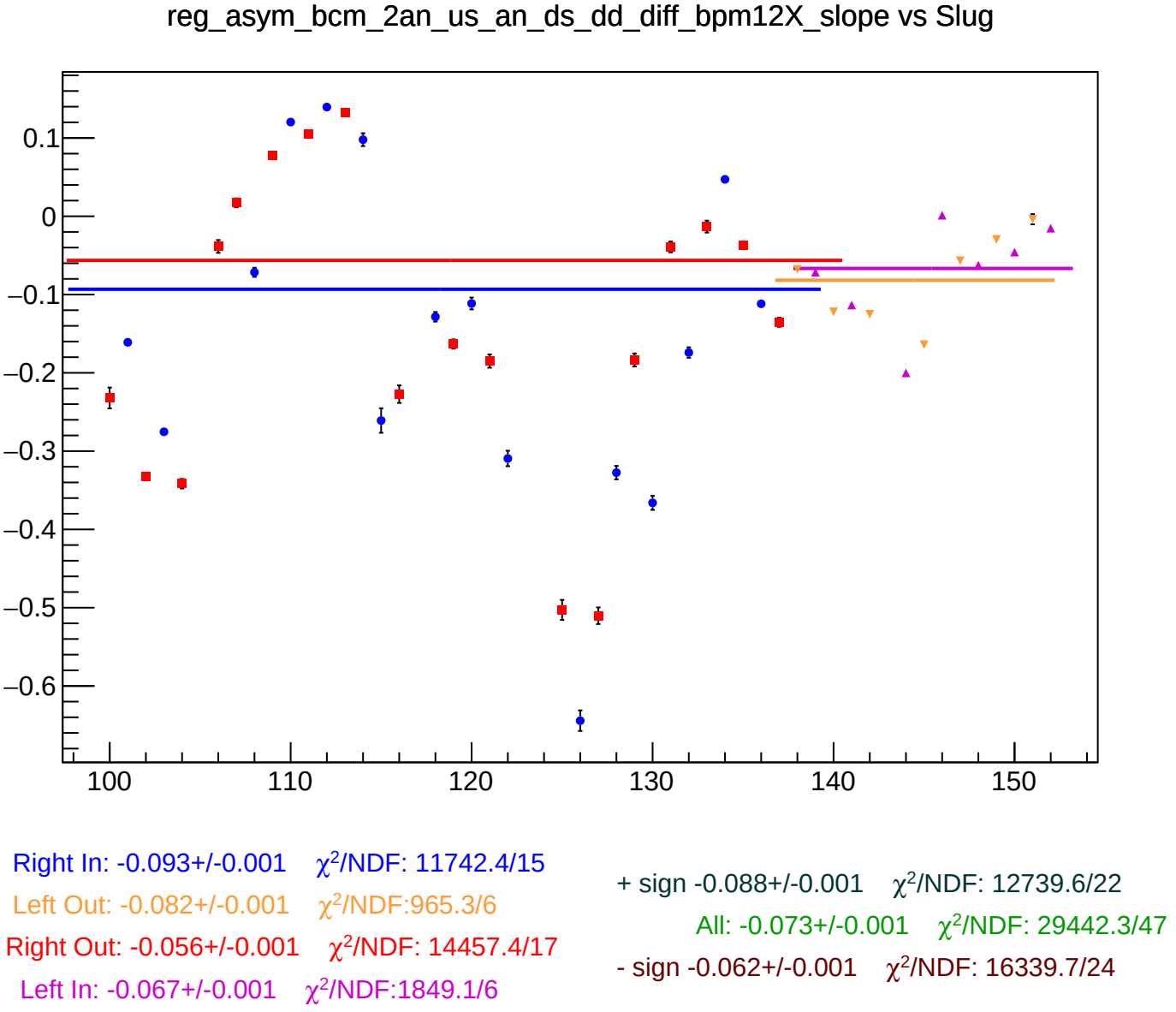
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

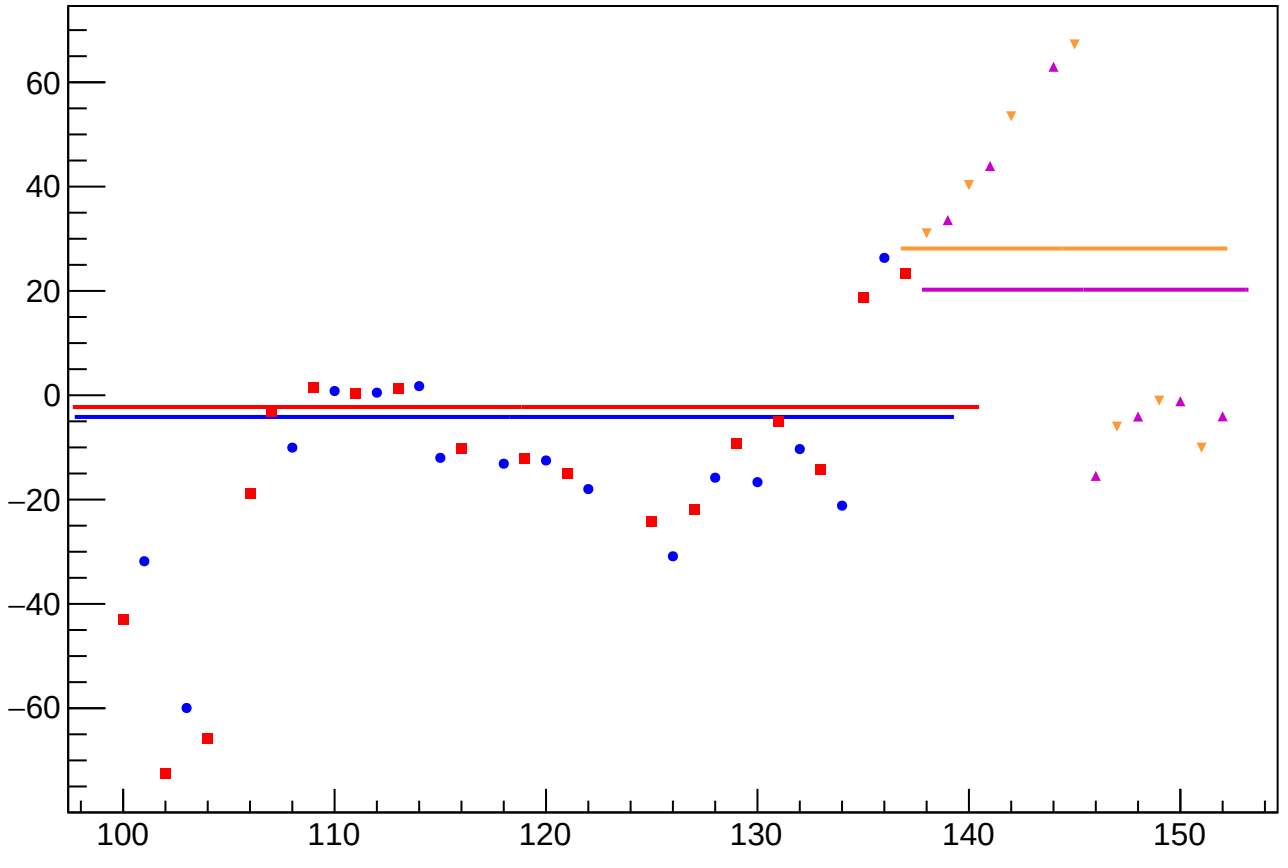
Left In: 0.617+/-0.028 χ^2/NDF:4627.1/6

+ sign -0.235+/-0.019 χ^2/NDF: 7780.6/22

All: -0.142+/-0.013 χ^2/NDF: 15888.3/47

- sign -0.065+/-0.017 χ^2/NDF: 8064.3/24


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
110
120
130
140
150
Right In: -0.093+/-0.001 χ²/NDF: 11742.4/15
Left Out: -0.082+/-0.001 χ²/NDF:965.3/6
Right Out: -0.056+/-0.001 χ²/NDF: 14457.4/17
Left In: -0.067+/-0.001 χ²/NDF:1849.1/6
+ sign -0.088+/-0.001 χ²/NDF: 12739.6/22
All: -0.073+/-0.001 χ²/NDF: 29442.3/47
- sign -0.062+/-0.001 χ²/NDF: 16339.7/24



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 28.128+/-0.106 χ^2/NDF:49206.4/6

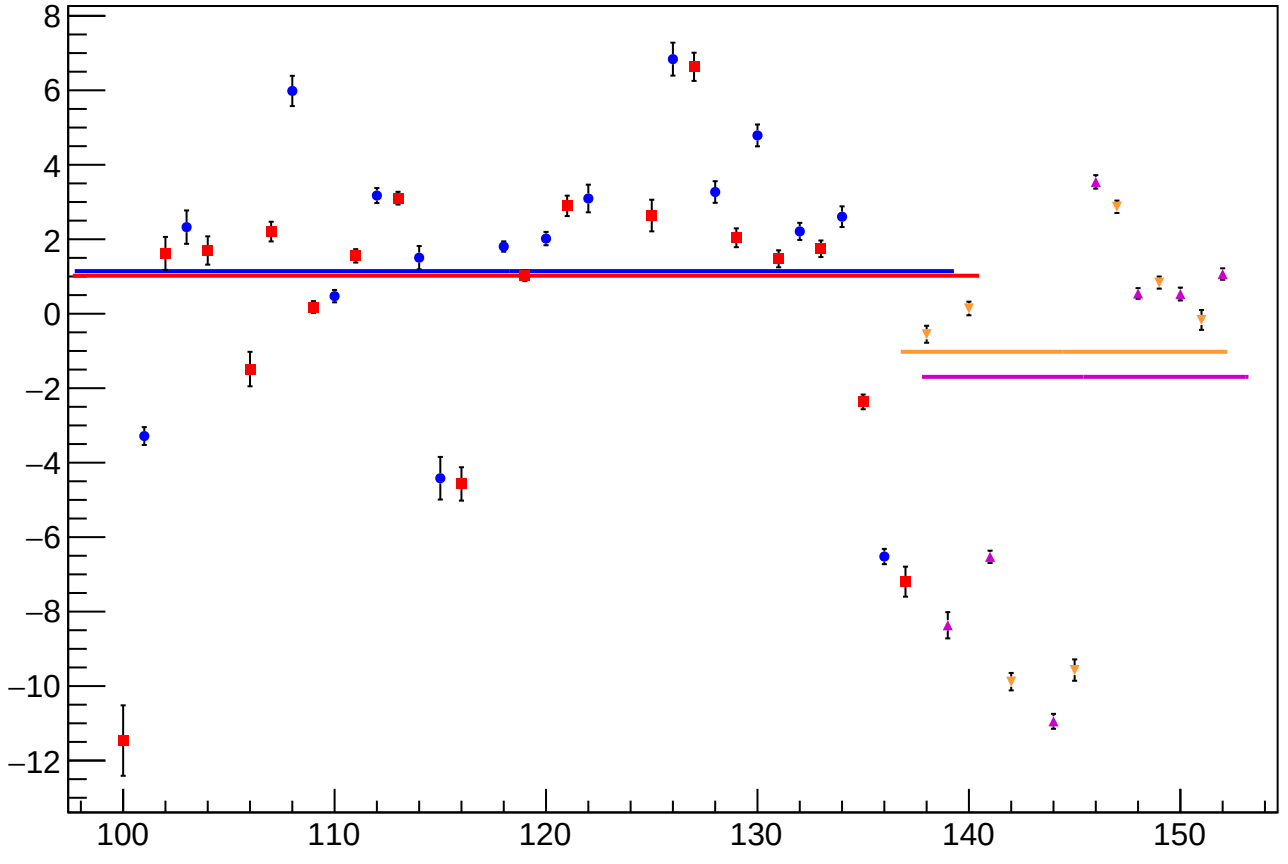
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 20.239+/-0.094 χ^2/NDF:77267.0/6

\+ sign 2.555+/-0.048 χ^2/NDF: 197935.7/22

All: 2.300+/-0.031 χ^2/NDF: 401365.2/47

\- sign 2.115+/-0.041 χ^2/NDF: 203381.7/24



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: -1.022+/-0.077 χ^2/NDF:3045.6/6

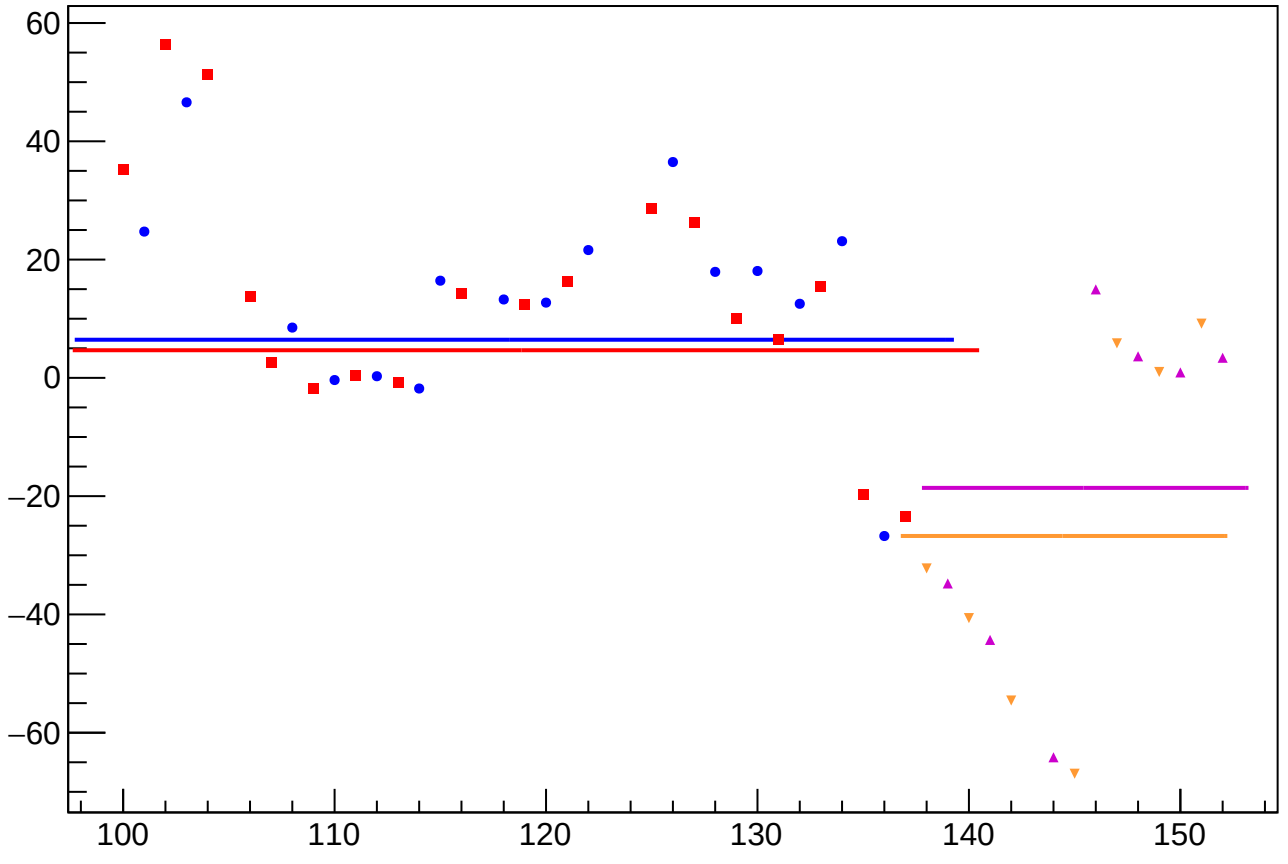
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -1.695+/-0.067 χ^2/NDF:4904.0/6

+ sign 0.329+/-0.047 χ^2/NDF: 6129.4/22

All: 0.080+/-0.032 χ^2/NDF: 13630.6/47

- sign -0.128+/-0.043 χ^2/NDF: 7450.7/24



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -26.735+/-0.106 χ^2/NDF:51919.1/6

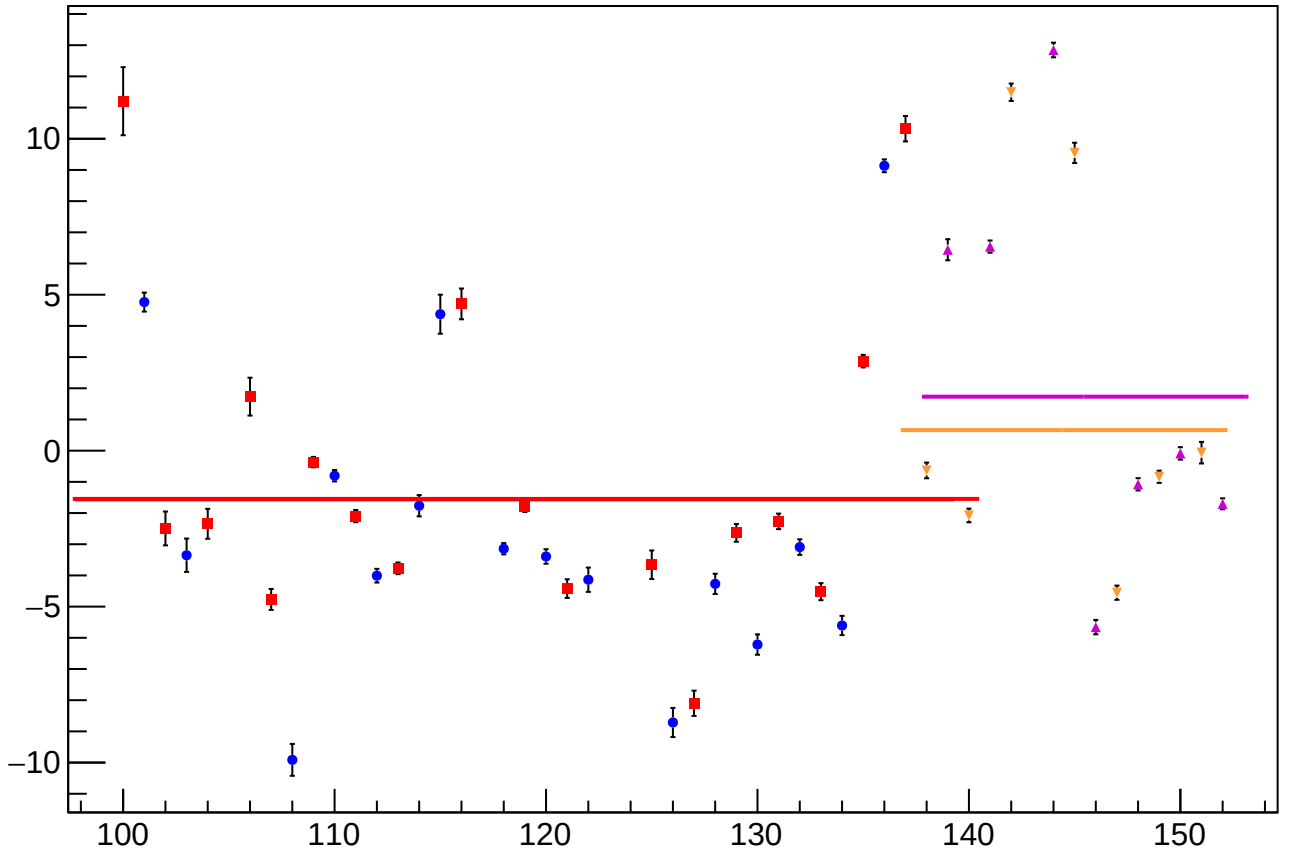
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -18.603+/-0.092 χ^2/NDF:80400.8/6

+ sign -2.561+/-0.055 χ^2/NDF: 193733.6/22

All: -2.305+/-0.037 χ^2/NDF: 393841.4/47

- sign -2.099+/-0.050 χ^2/NDF: 200069.2/24



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: 0.658+/-0.094 χ^2/NDF:3021.3/6

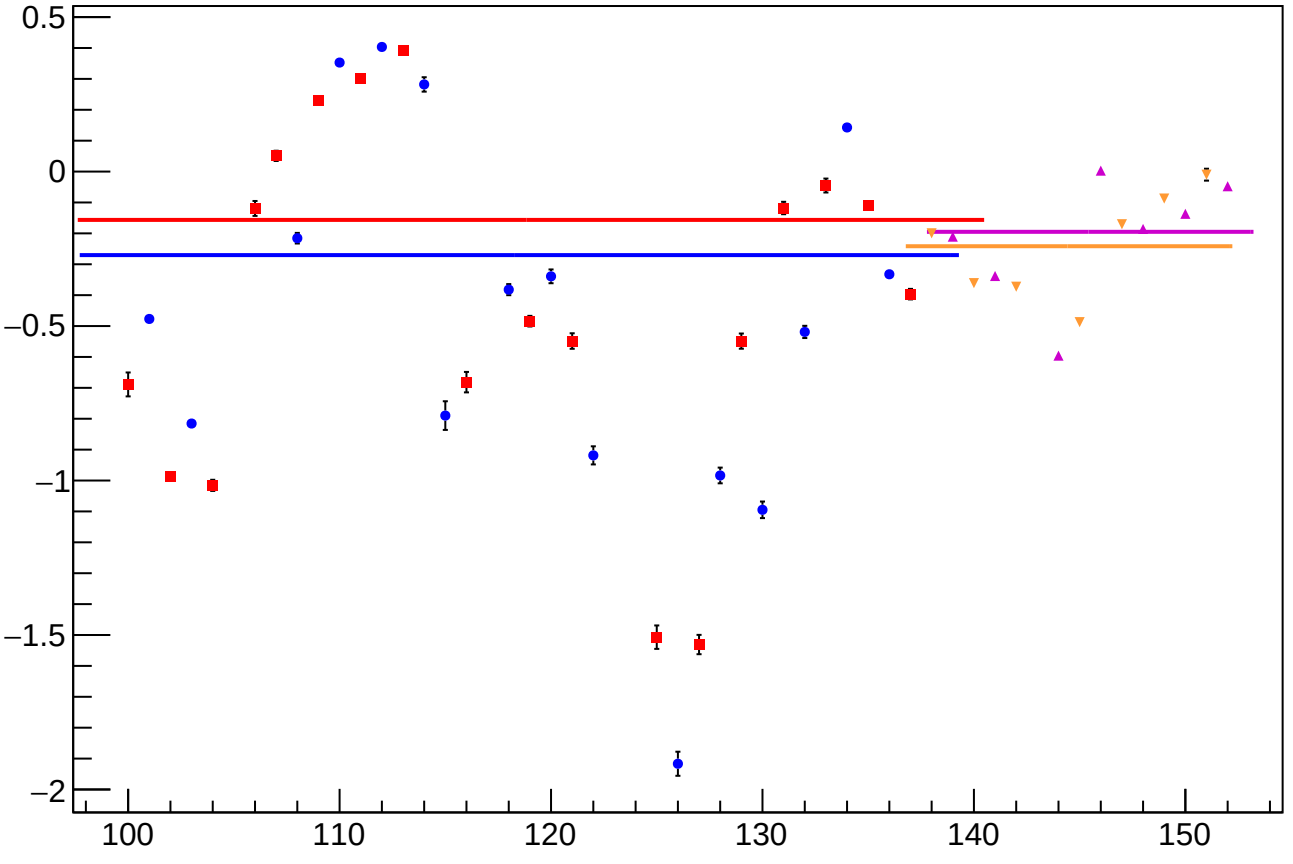
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 1.731+/-0.080 χ^2/NDF:4726.4/6

\+ sign -0.781+/-0.056 χ^2/NDF: 7923.7/22

All: -0.495+/-0.037 χ^2/NDF: 16179.2/47

\- sign -0.263+/-0.050 χ^2/NDF: 8207.9/24



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.242+/-0.004 χ^2/NDF:974.8/6

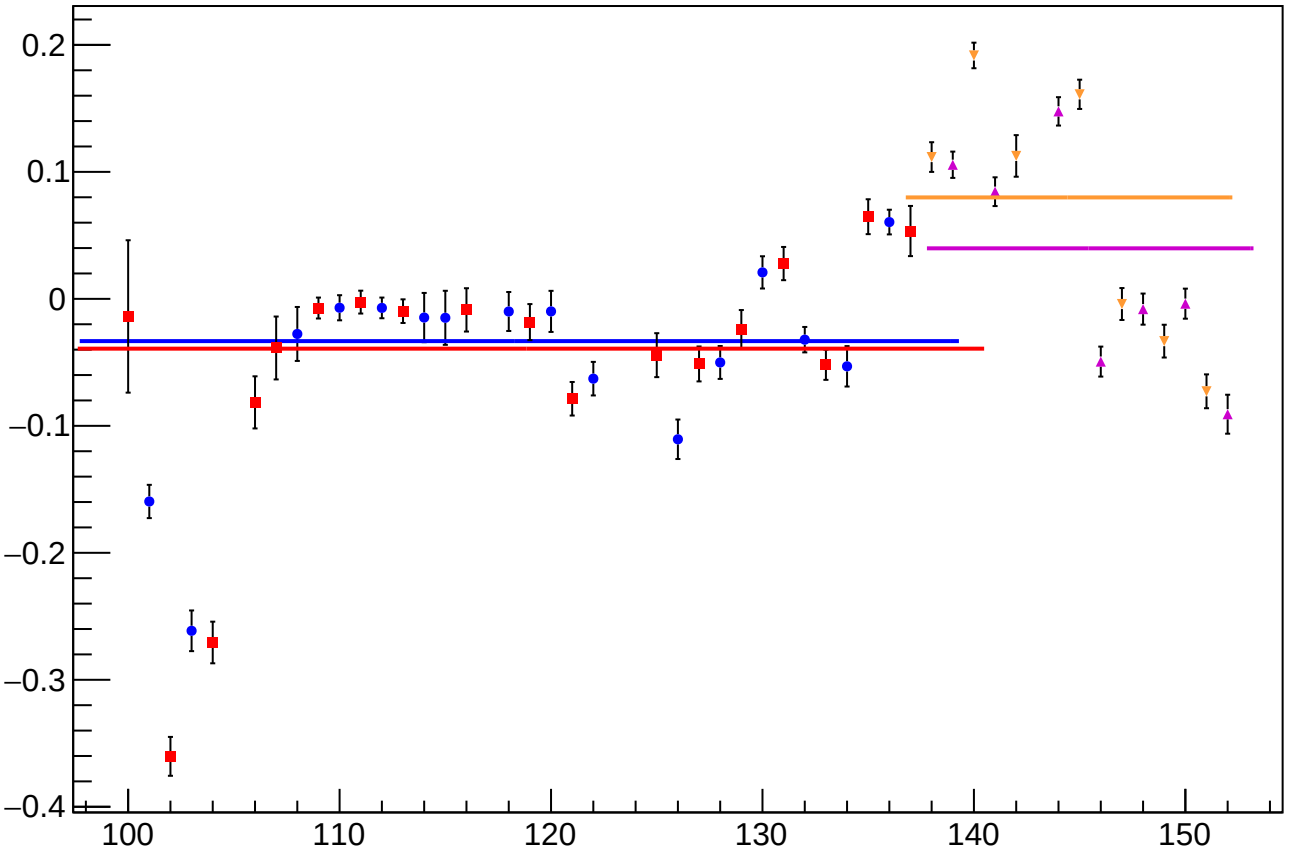
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.195+/-0.004 χ^2/NDF:1908.6/6

+ sign -0.257+/-0.003 χ^2/NDF: 13094.4/22

All: -0.211+/-0.002 χ^2/NDF: 30493.0/47

- sign -0.177+/-0.003 χ^2/NDF: 16993.7/24



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.080+/-0.005 χ^2/NDF:437.0/6

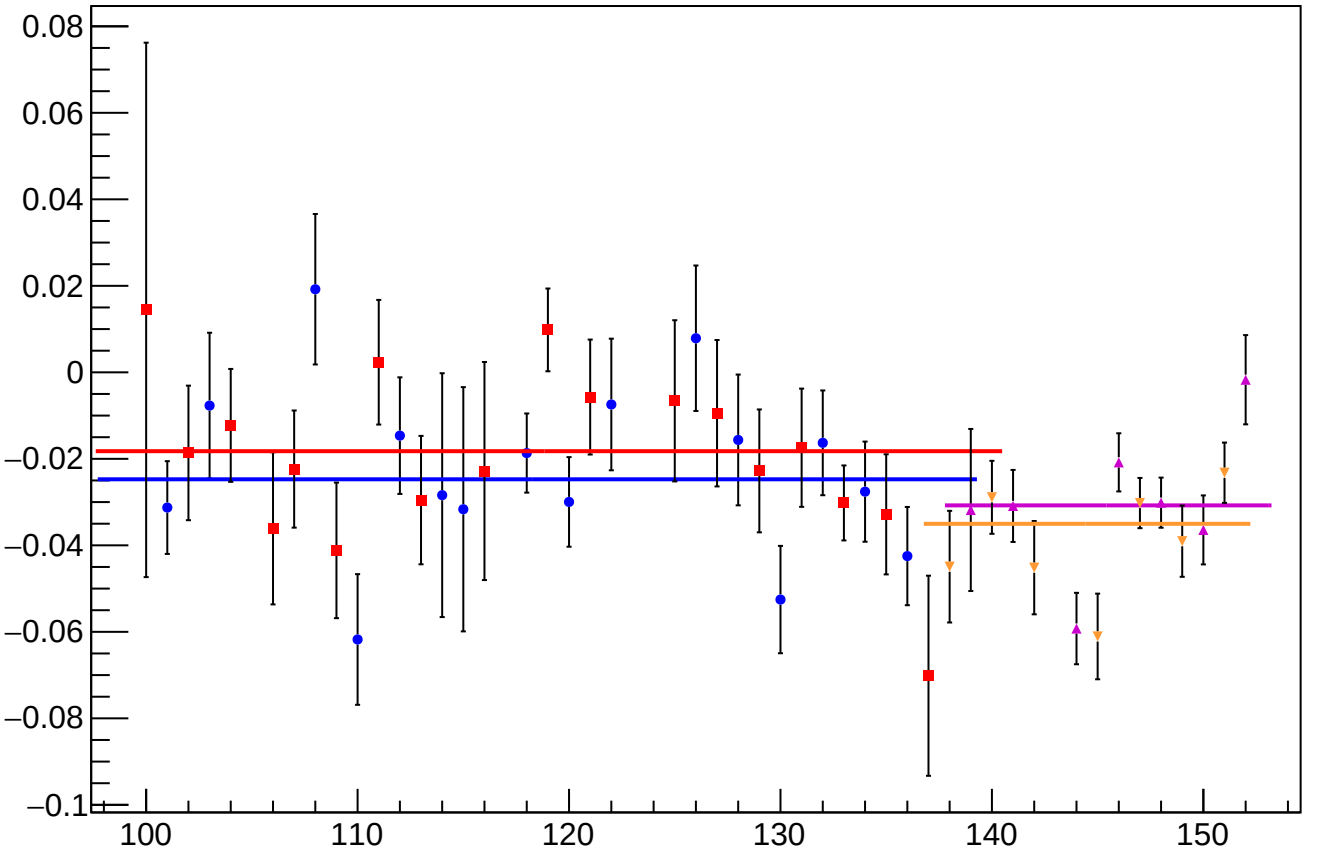
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.040+/-0.004 χ^2/NDF:307.5/6

+ sign 0.003+/-0.003 χ^2/NDF: 1302.0/22

All: -0.005+/-0.002 χ^2/NDF: 2643.8/47

- sign -0.013+/-0.003 χ^2/NDF: 1323.3/24



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.035+/-0.003 χ^2/NDF:12.7/6

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

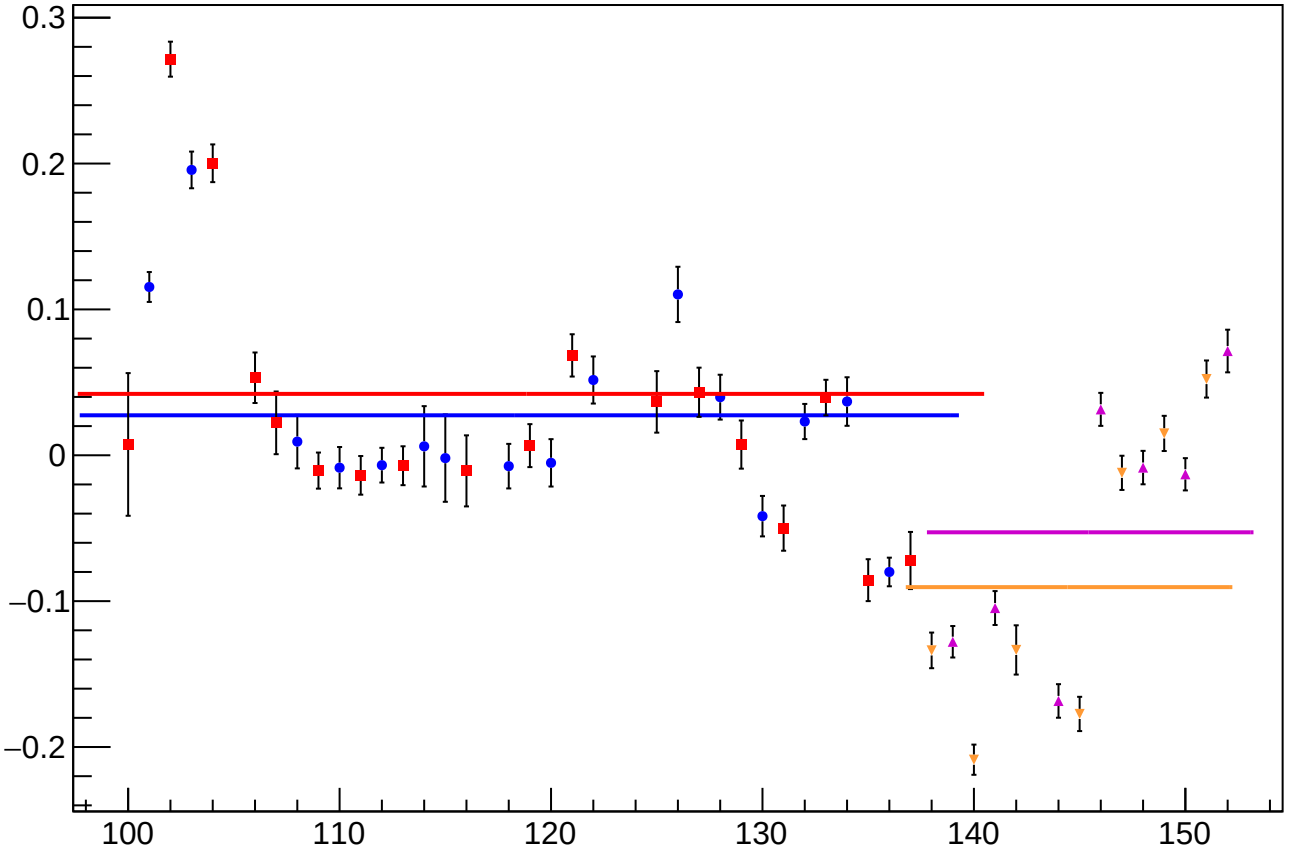
Left In: -0.031+/-0.003 χ^2/NDF:22.5/6

+ sign -0.030+/-0.002 χ^2/NDF: 46.4/22

All: -0.028+/-0.002 χ^2/NDF: 103.7/47

- sign -0.025+/-0.002 χ^2/NDF: 54.8/24

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.090+/-0.005 χ^2/NDF:451.1/6

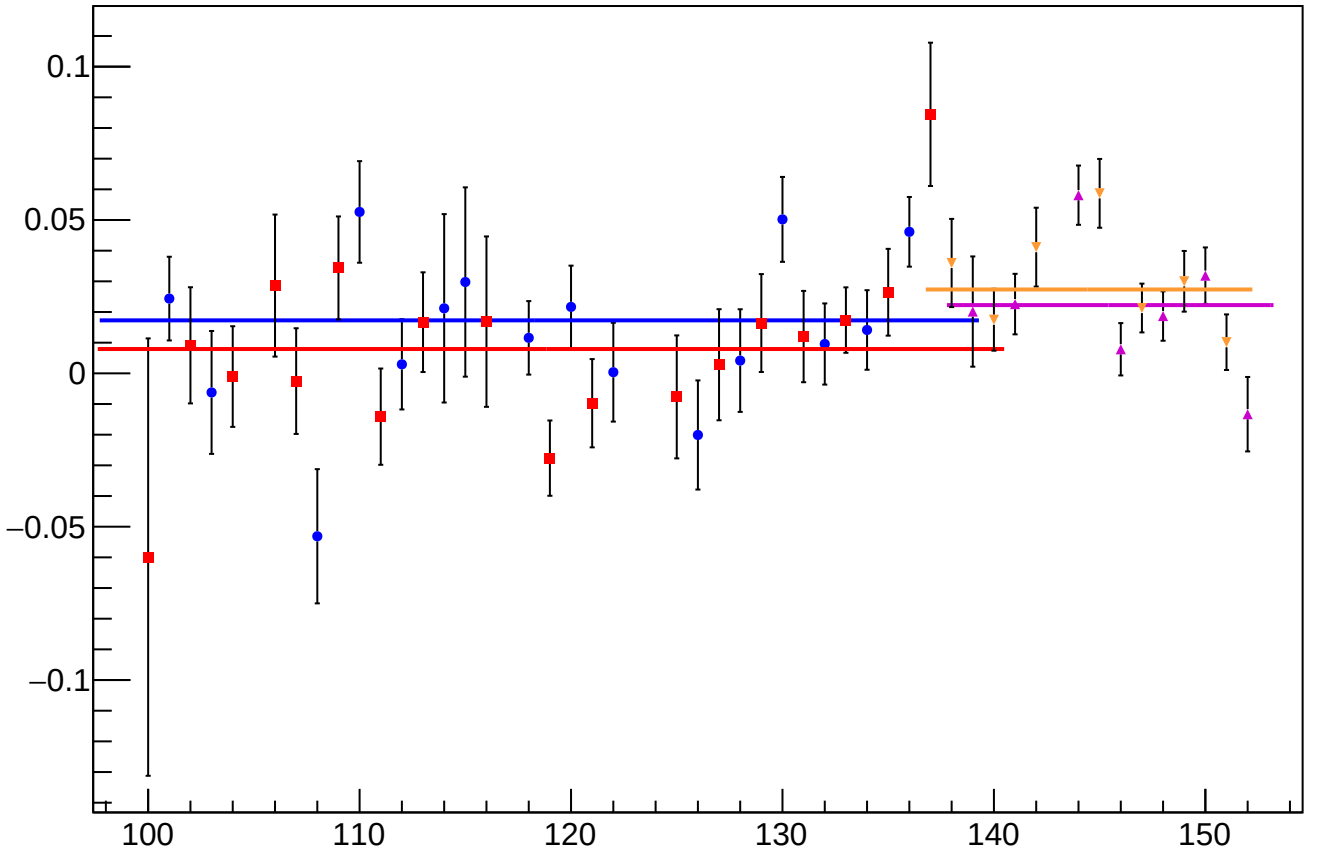
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.053+/-0.004 χ^2/NDF:325.0/6

+ sign -0.017+/-0.003 χ^2/NDF: 1305.3/22

All: -0.007+/-0.002 χ^2/NDF: 2666.5/47

- sign 0.003+/-0.003 χ^2/NDF: 1335.1/24



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.027+/-0.004 χ^2/NDF:14.5/6

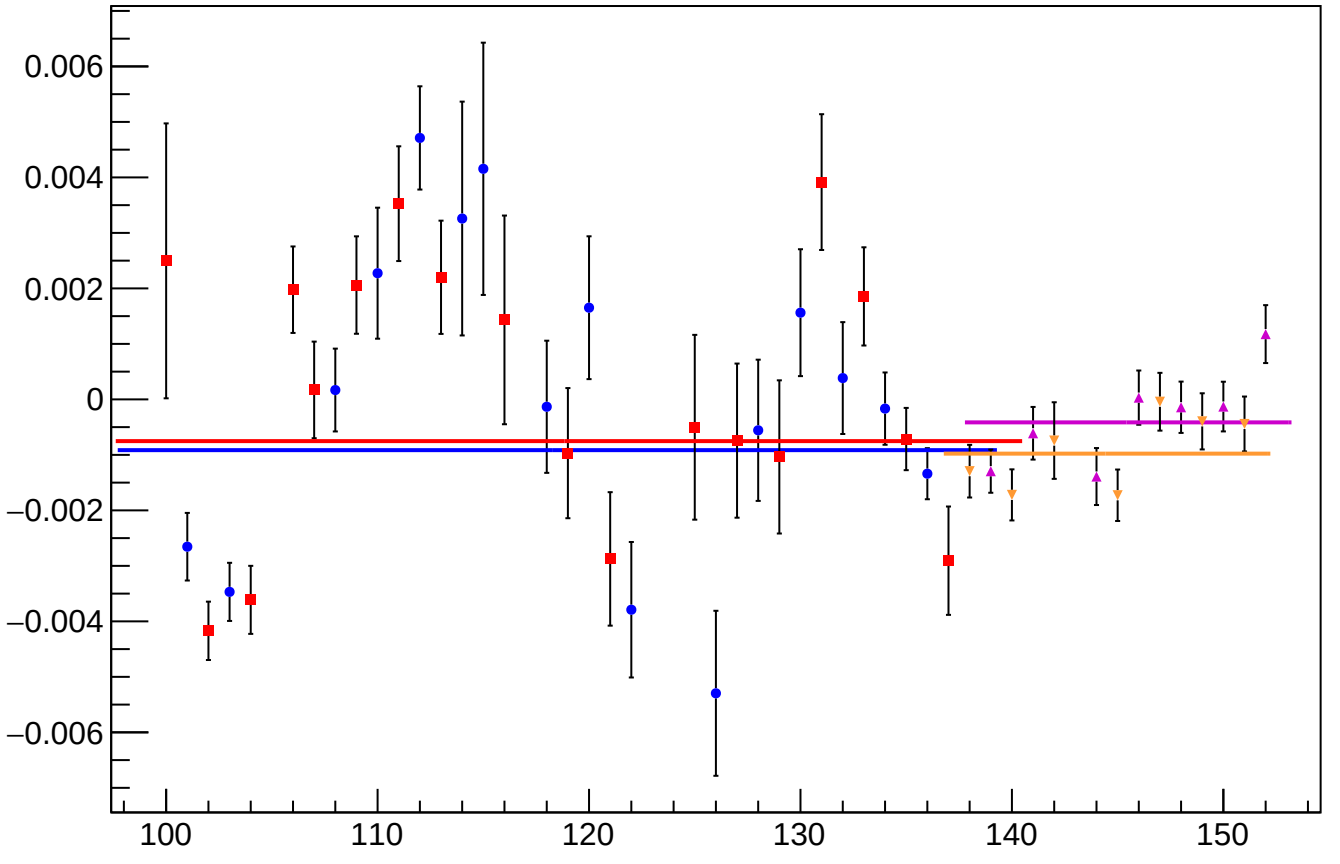
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.022+/-0.004 χ^2/NDF:26.5/6

+ sign 0.022+/-0.003 χ^2/NDF: 54.6/22

All: 0.019+/-0.002 χ^2/NDF: 122.7/47

- sign 0.015+/-0.003 χ^2/NDF: 64.9/24



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:11.5/6

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

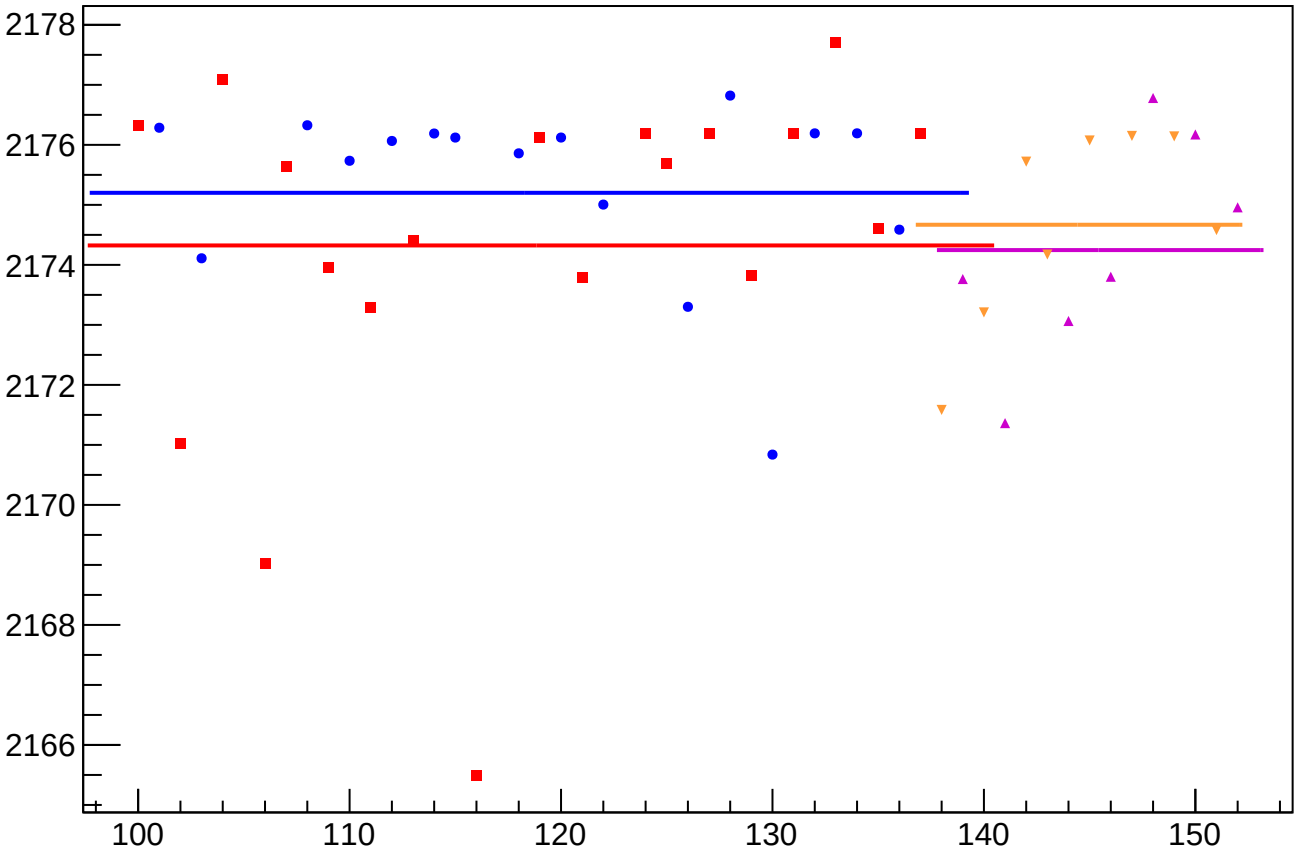
Left In: -0.000+/-0.000 χ^2/NDF:19.8/6

+ sign -0.001+/-0.000 χ^2/NDF: 125.6/22

All: -0.001+/-0.000 χ^2/NDF: 298.6/47

- sign -0.001+/-0.000 χ^2/NDF: 168.9/24

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.669+/-0.000 χ^2/NDF:157959418238497245006415535905177 6.0/7

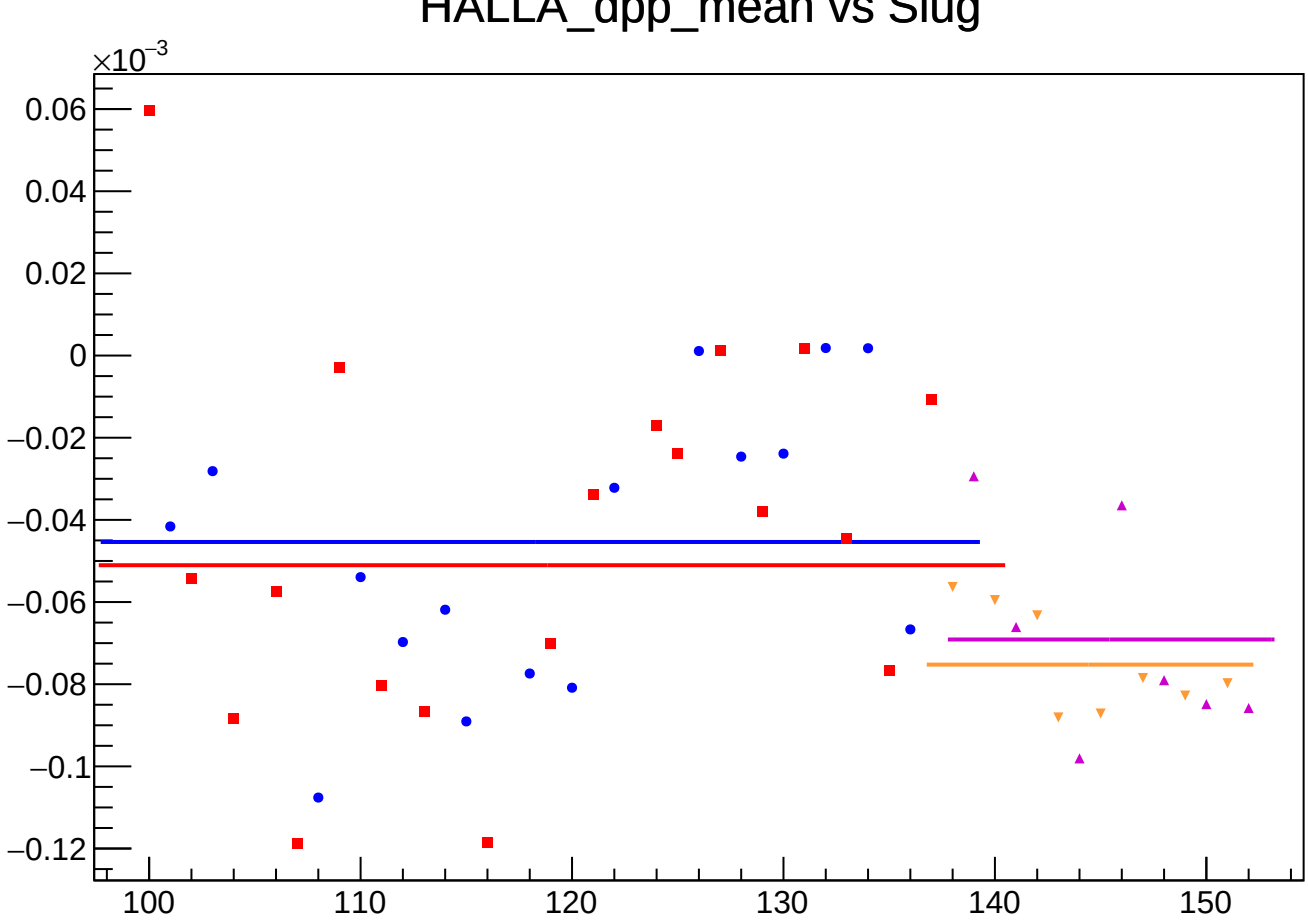
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.247+/-0.000 χ^2/NDF:189134063808449473295418998233497 6.0/6

+ sign 2174.953+/-0.000 χ^2/NDF: 3443074637692

All: 2174.620+/-0.000 χ^2/NDF: 1118572869

- sign 2174.289+/-0.000 χ^2/NDF: 7435648662567



Right In: -0.000+/-0.000 χ^2/NDF: 7131320813781223777239040.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:904754578963663327068160.0/7

Right Out: -0.000+/-0.000 χ^2/NDF: 1011955910720647101153280.0/18

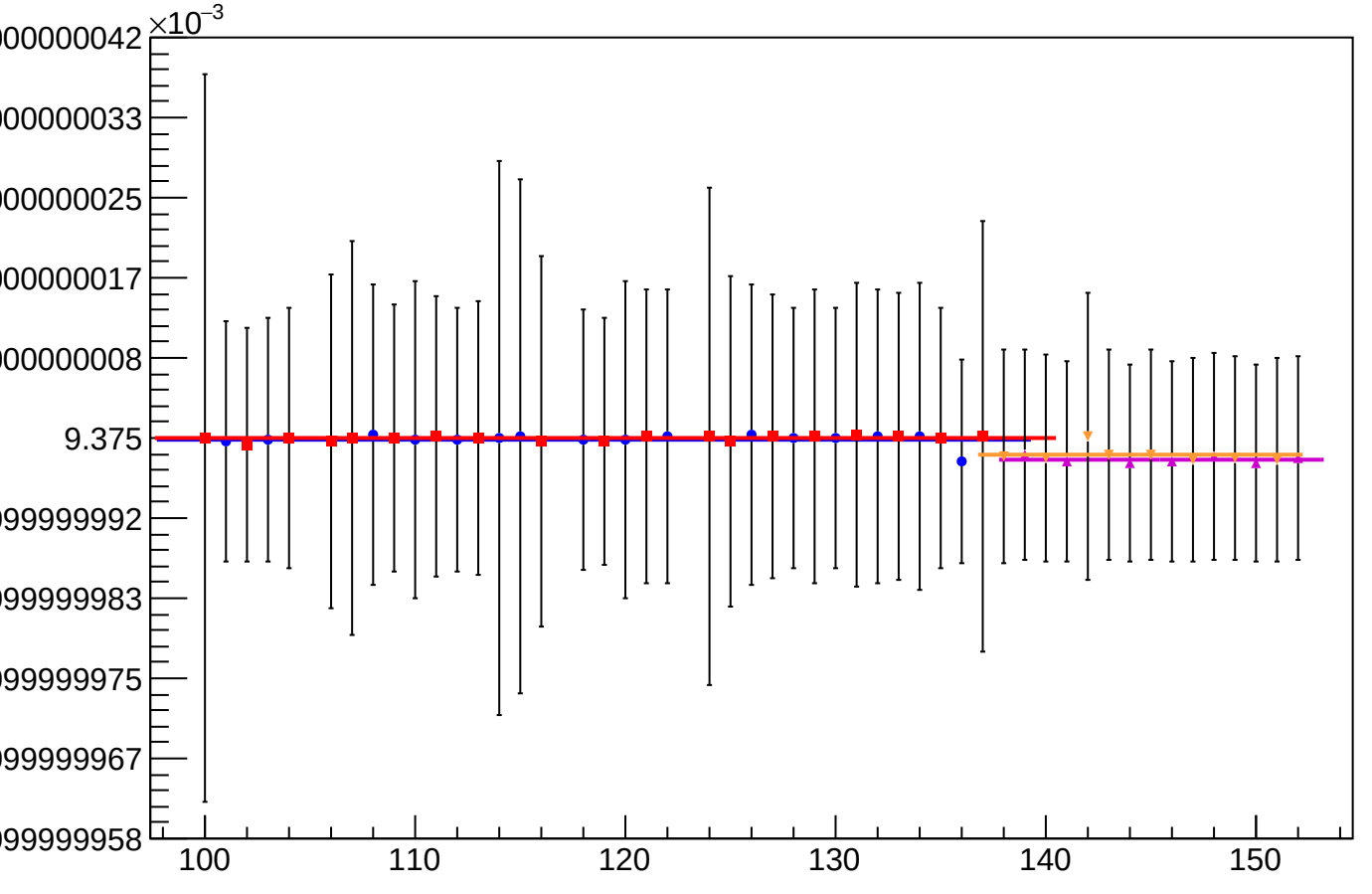
Left In: -0.000+/-0.000 χ^2/NDF:367320192745921579057152.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 1111220885416101

All: -0.000+/-0.000 χ^2/NDF: 2603610916986

- sign -0.000+/-0.000 χ^2/NDF: 1492388335118880

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:0.0/7

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

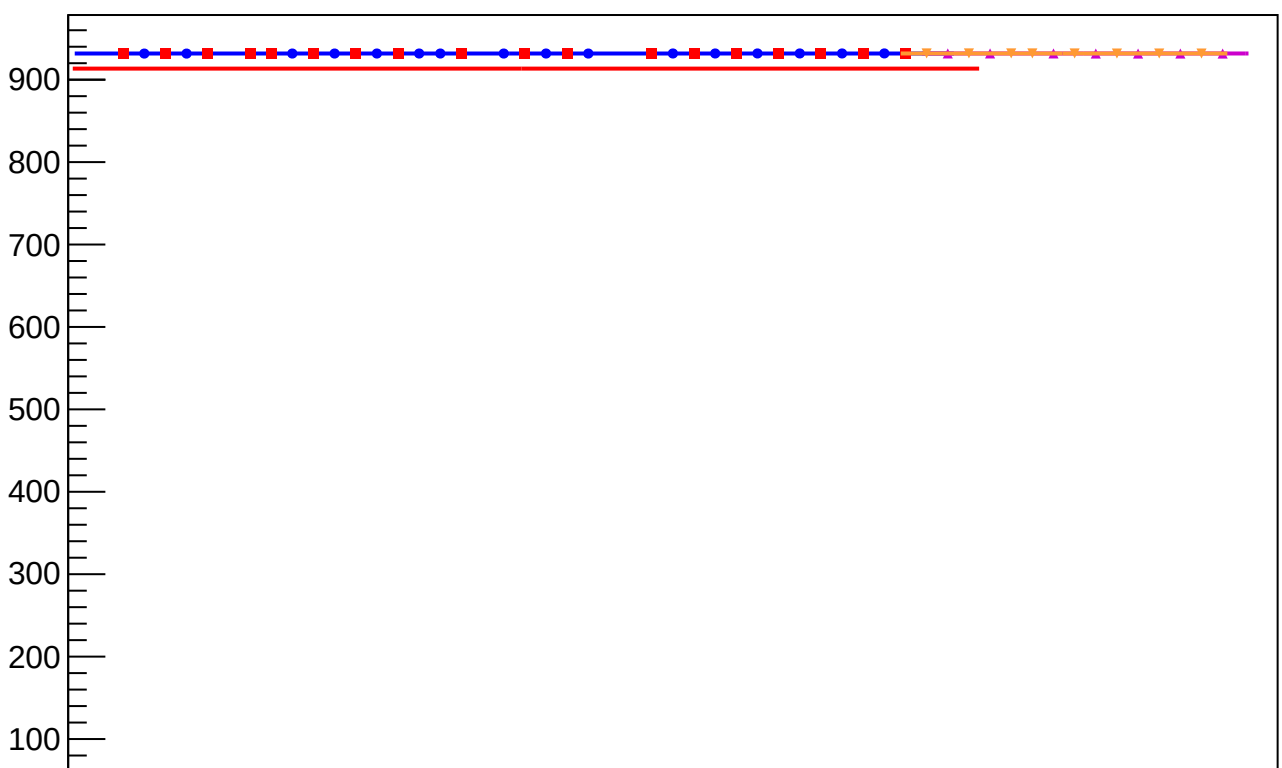
Left In: 0.009+/-0.000 χ^2/NDF:0.0/6

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/23

All: 0.009+/-0.000 χ^2/NDF: 0.3/49

- sign 0.009+/-0.000 χ^2/NDF: 0.2/25

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.811+/-0.000 χ^2/NDF:2902216348034832295372787810304.0/7

Right Out: 913.447+/-0.000 χ^2/NDF: 127658796350944356834918865188243374 08.0/18

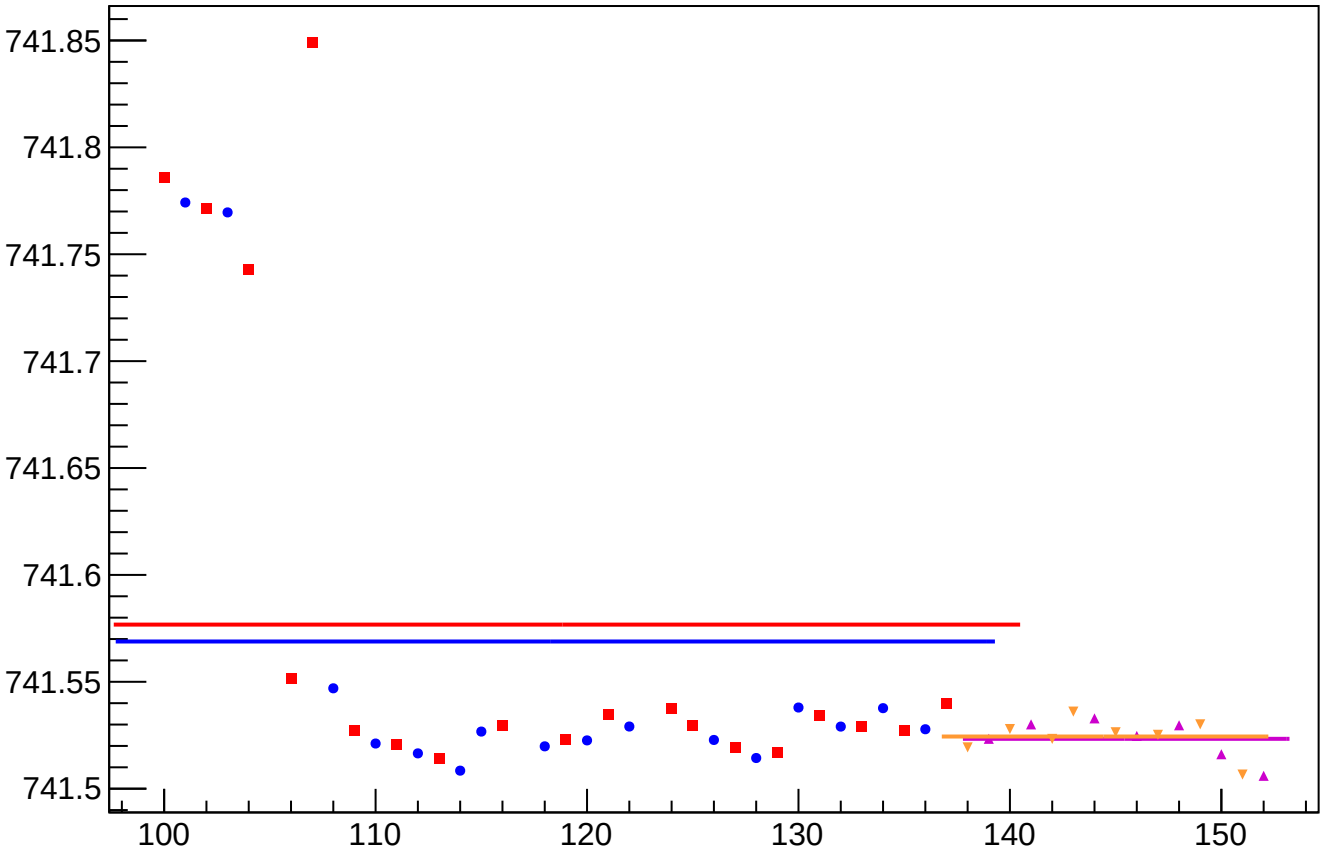
Left In: 931.795+/-0.000 χ^2/NDF:2770154805369637362553218662400.0/6

+ sign 931.788+/-0.000 χ^2/NDF: 625238800596749

All: 926.761+/-0.000 χ^2/NDF: 12952235610

- sign 921.767+/-0.000 χ^2/NDF: 128823501409261

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.524+/-0.000 χ^2/NDF:4573943324832592340319626854 4.0/7

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

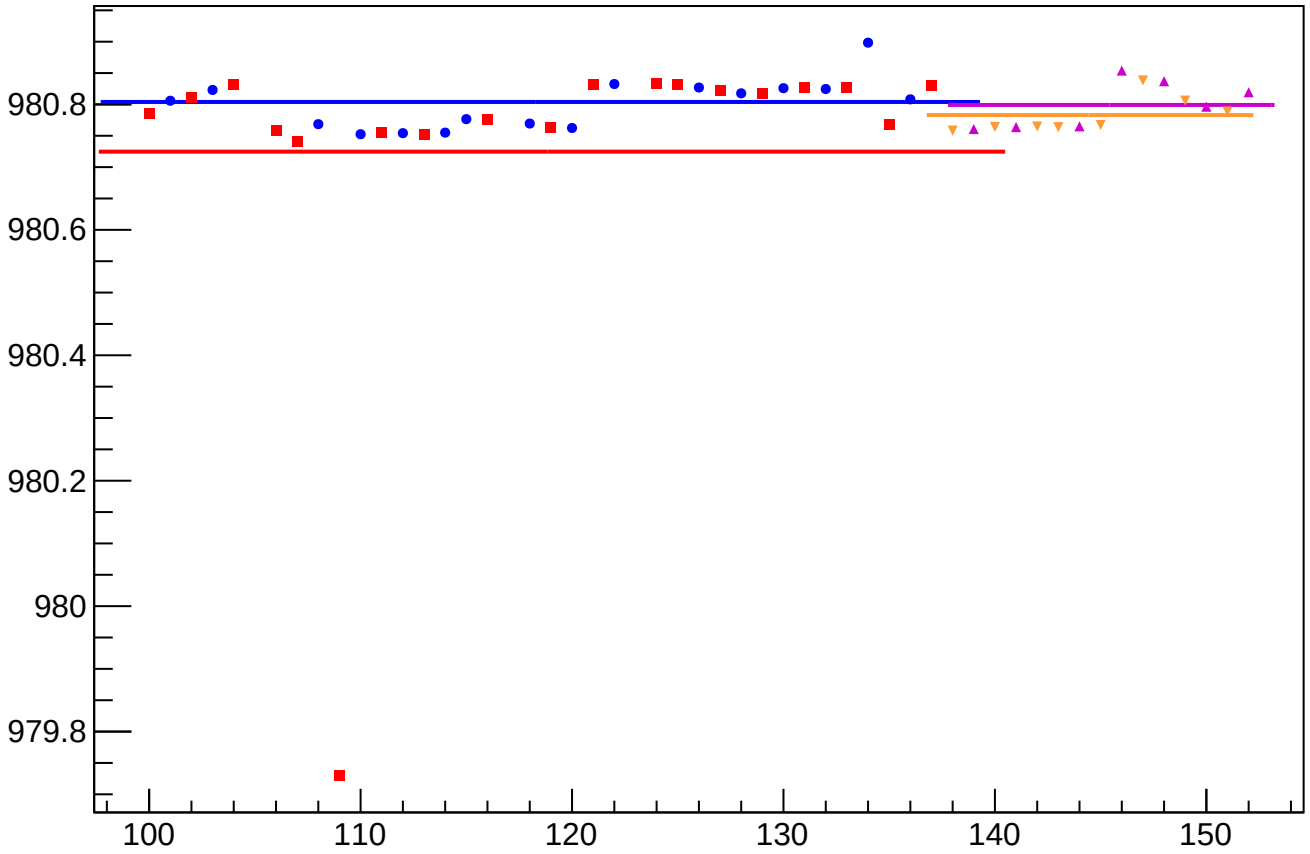
Left In: 741.523+/-0.000 χ^2/NDF:481695051359029361448331509 76.0/6

+ sign 741.548+/-0.000 χ^2/NDF: 71606547757893

All: 741.550+/-0.000 χ^2/NDF: 1590212384

- sign 741.553+/-0.000 χ^2/NDF: 872813321252568

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.783+/-0.000 χ^2/NDF:4662111843899069520287681740800/7

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

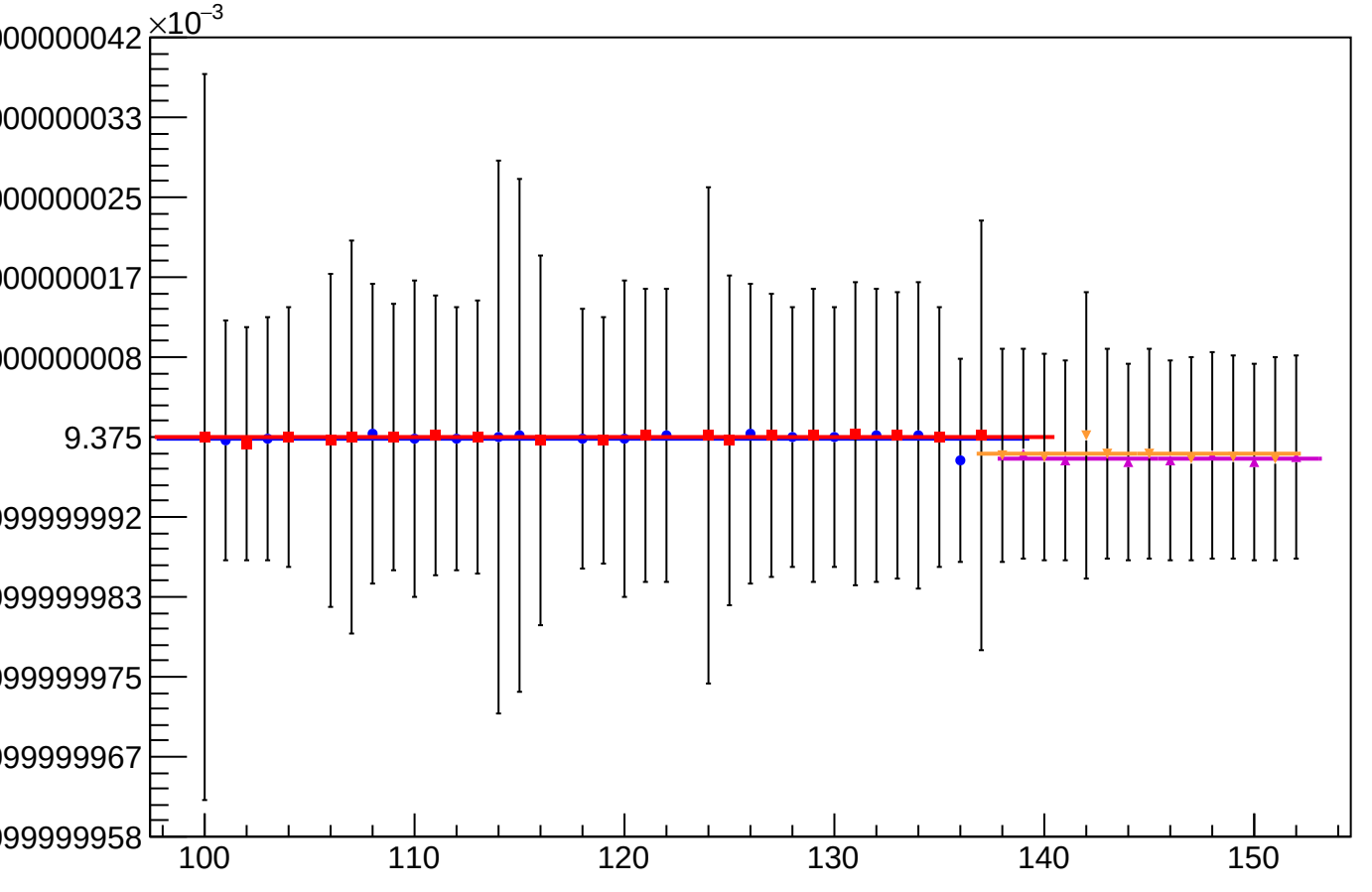
Left In: 980.799+/-0.000 χ^2/NDF:7850992959060939230551547576320/6

+ sign 980.794+/-0.000 χ^2/NDF: 155052918613342

All: 980.776+/-0.000 χ^2/NDF: 611820900912

- sign 980.758+/-0.000 χ^2/NDF: 587446347067634

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:0.0/7

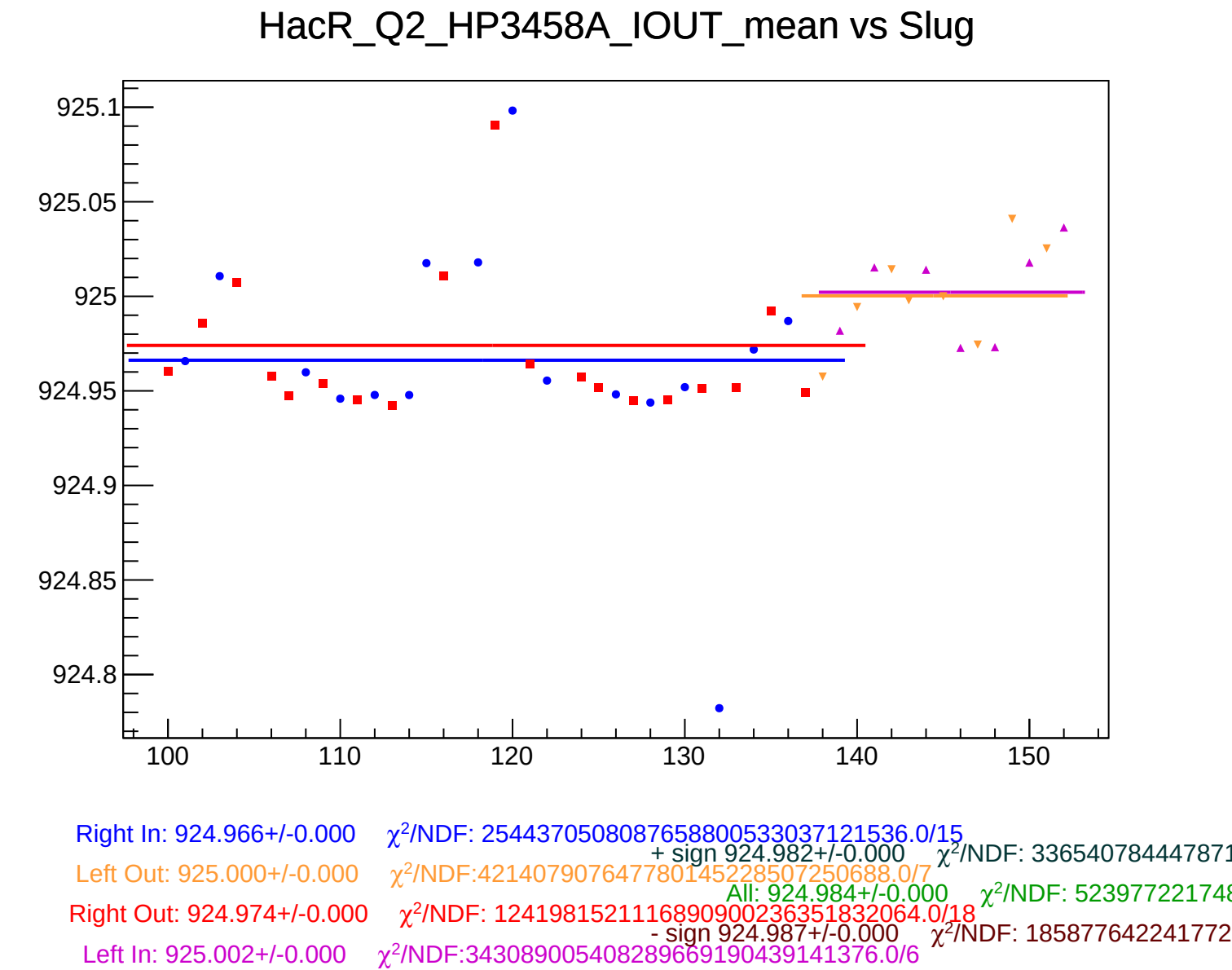
Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

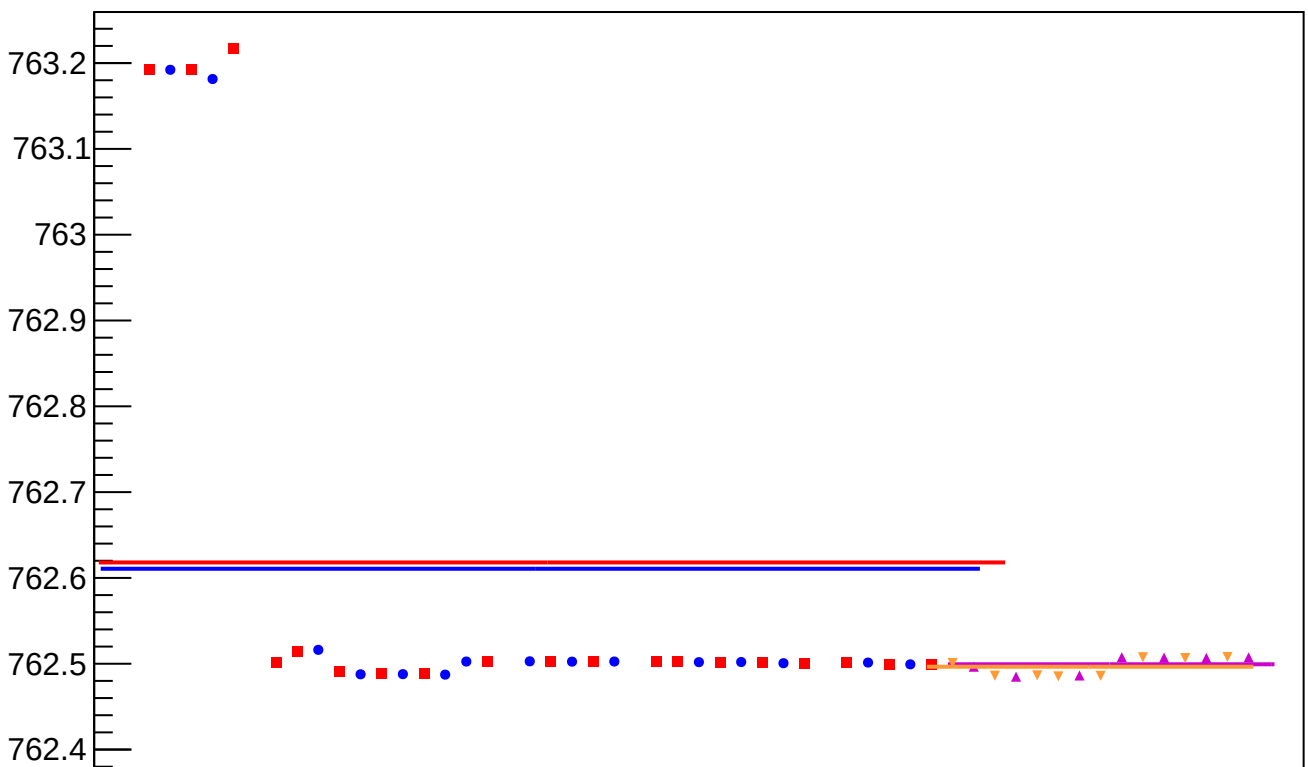
Left In: 0.009+/-0.000 χ^2/NDF:0.0/6

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/23

All: 0.009+/-0.000 χ^2/NDF: 0.3/49

- sign 0.009+/-0.000 χ^2/NDF: 0.2/25


HacR_Q2_HP3458A_IOUT_mean vs Slug
925.1
925.05
925
924.95
924.9
924.85
924.8
100
110
120
130
140
150
Right In: 924.966+/-0.000 χ²/NDF: 2544370508087658800533037121536.0/15
Left Out: 925.000+/-0.000 χ²/NDF:42140790764778014522850725068 8.0/7
Right Out: 924.974+/-0.000 χ²/NDF: 124198152111689090023635183 2064.0/18
Left In: 925.002+/-0.000 χ²/NDF:34308900540828966919043914137 6.0/6
+ sign 924.982+/-0.000 χ²/NDF: 336540784478 71
All: 924.984+/-0.000 χ²/NDF: 523977221748
- sign 924.987+/-0.000 χ²/NDF: 185877642241772



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.497+/-0.000 χ^2/NDF:66683960753765143396252385280.0/7

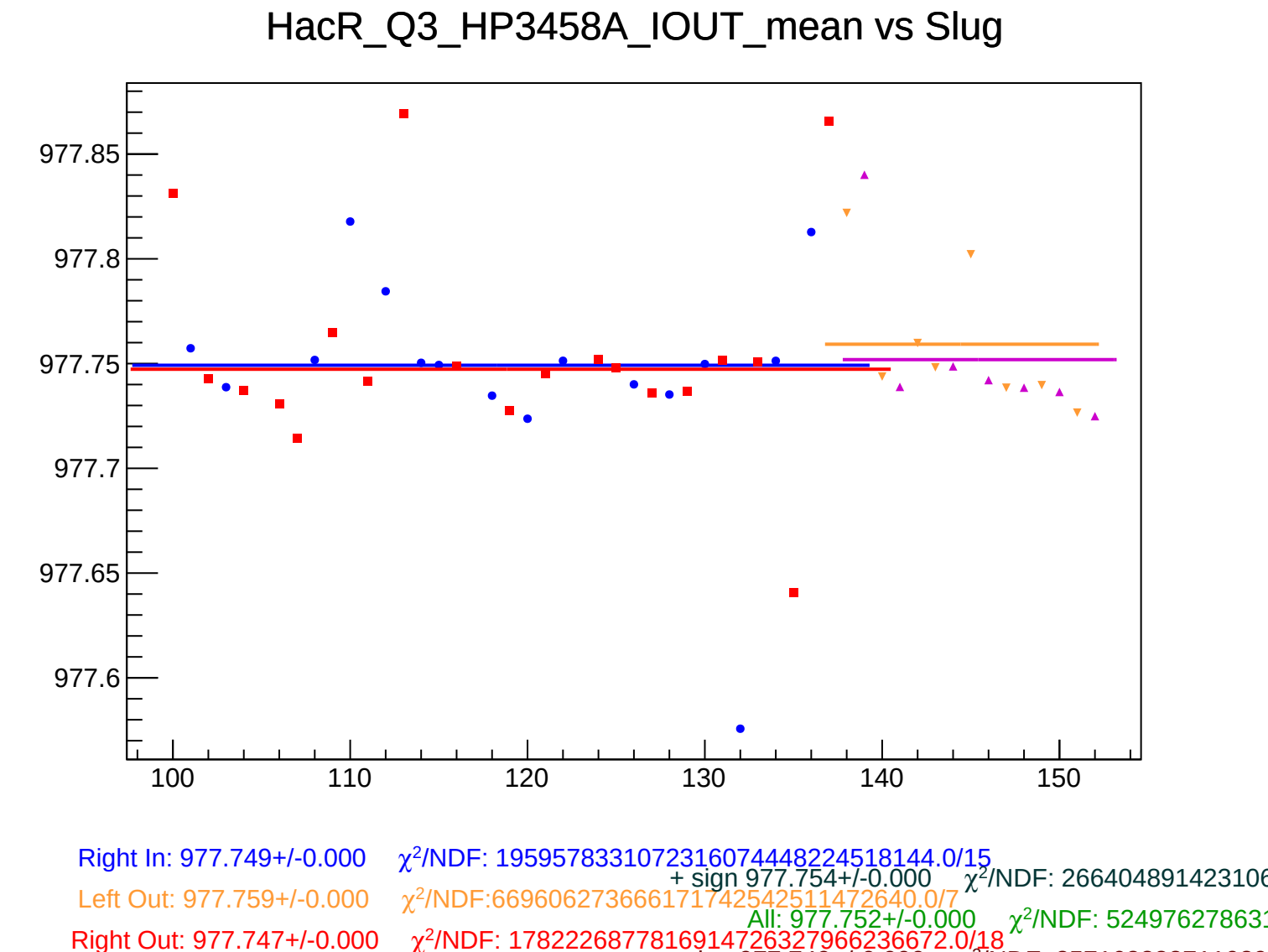
Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

Left In: 762.499+/-0.000 χ^2/NDF:58558696964742748446690115584.0/6

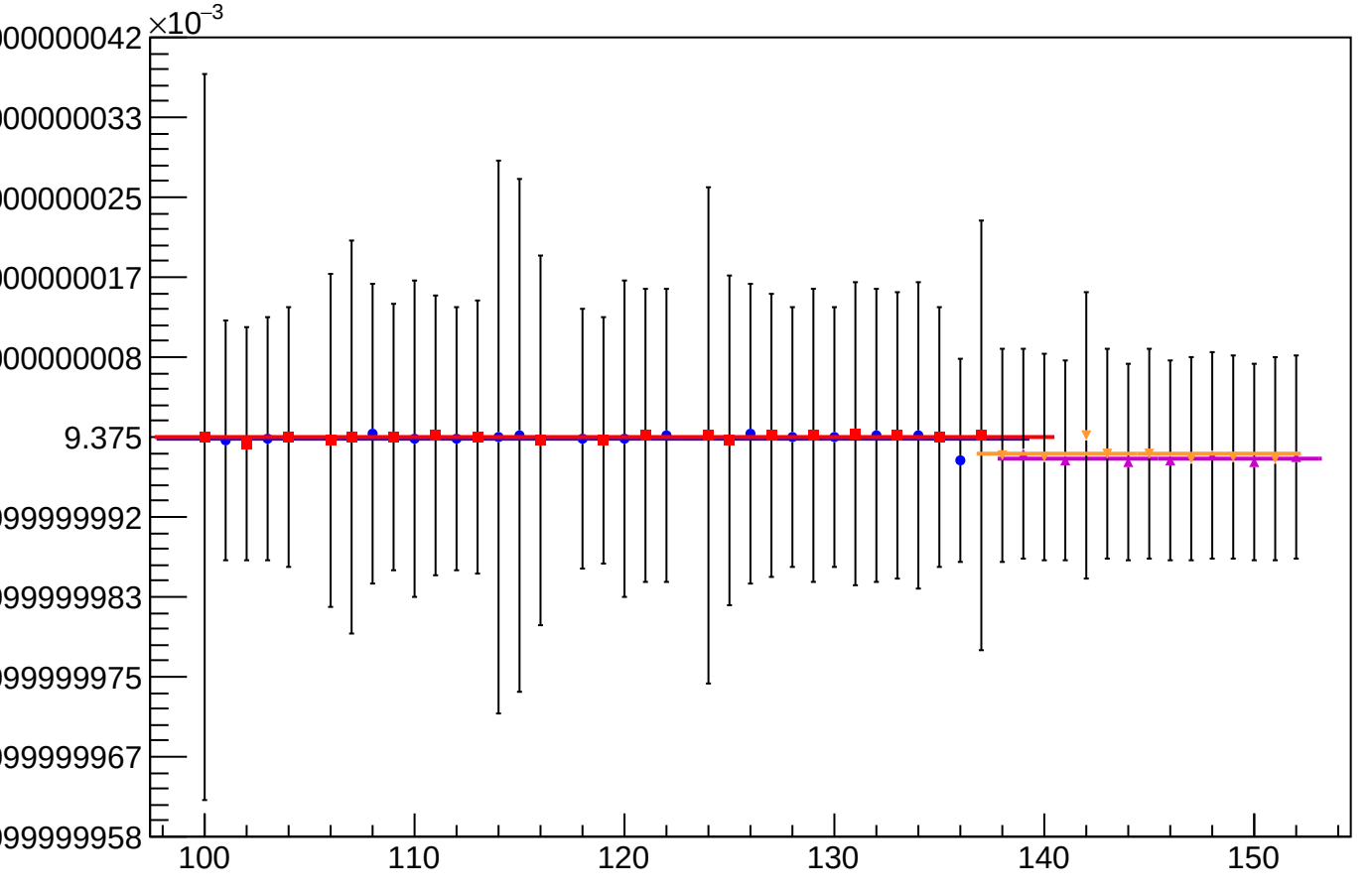
+ sign 762.558+/-0.000 χ^2/NDF: 567268400838660

All: 762.561+/-0.000 χ^2/NDF: 114823736801

- sign 762.564+/-0.000 χ^2/NDF: 580655625709316


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: 19595783310723160744482245181440.0/15
Left Out: 977.759+/-0.000 χ²/NDF:669606273666171742542511472640.0/7
Right Out: 977.747+/-0.000 χ²/NDF: 178222687781691472632796623667 2.0/18
Left In: 977.752+/-0.000 χ²/NDF:78218323670320079537034389094 4.0/6
+ sign 977.754+/-0.000 χ²/NDF: 266404891423106
All: 977.752+/-0.000 χ²/NDF: 52497627863
- sign 977.749+/-0.000 χ²/NDF: 257168388711039

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:0.0/7

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

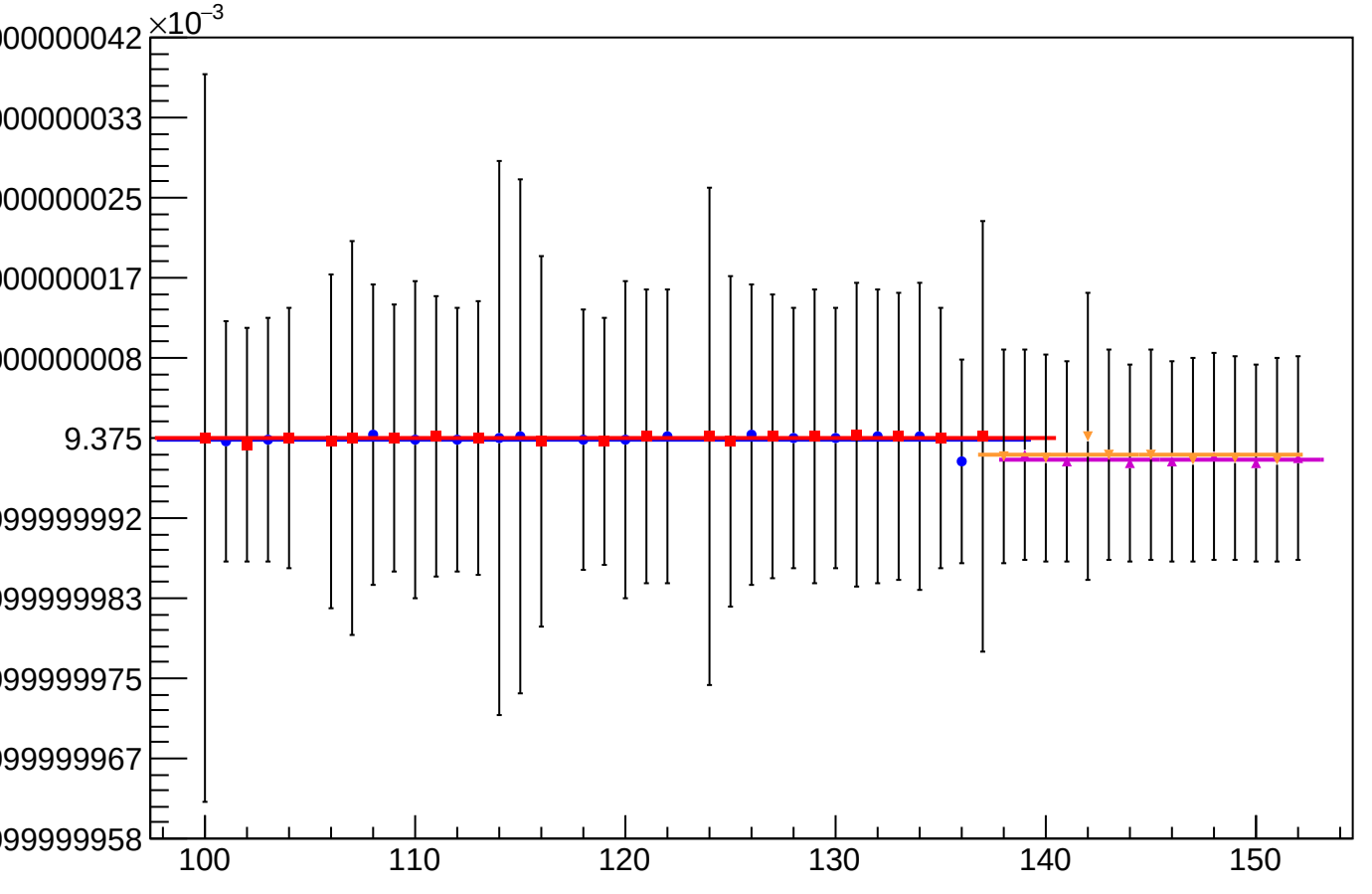
Left In: 0.009+/-0.000 χ^2/NDF:0.0/6

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/23

All: 0.009+/-0.000 χ^2/NDF: 0.3/49

- sign 0.009+/-0.000 χ^2/NDF: 0.2/25

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:0.0/7

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

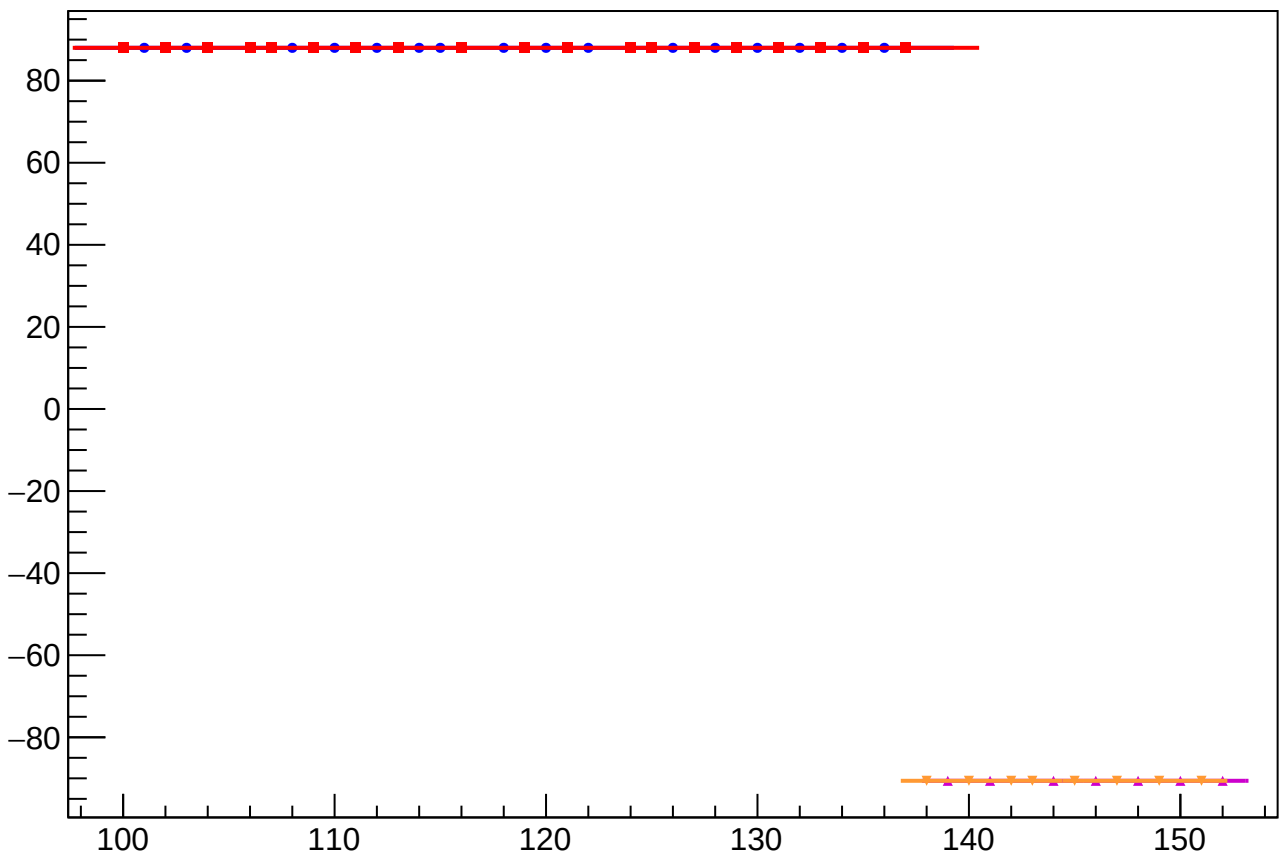
Left In: 0.009+/-0.000 χ^2/NDF:0.0/6

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/23

All: 0.009+/-0.000 χ^2/NDF: 0.3/49

- sign 0.009+/-0.000 χ^2/NDF: 0.2/25

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:3257427.6/7

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

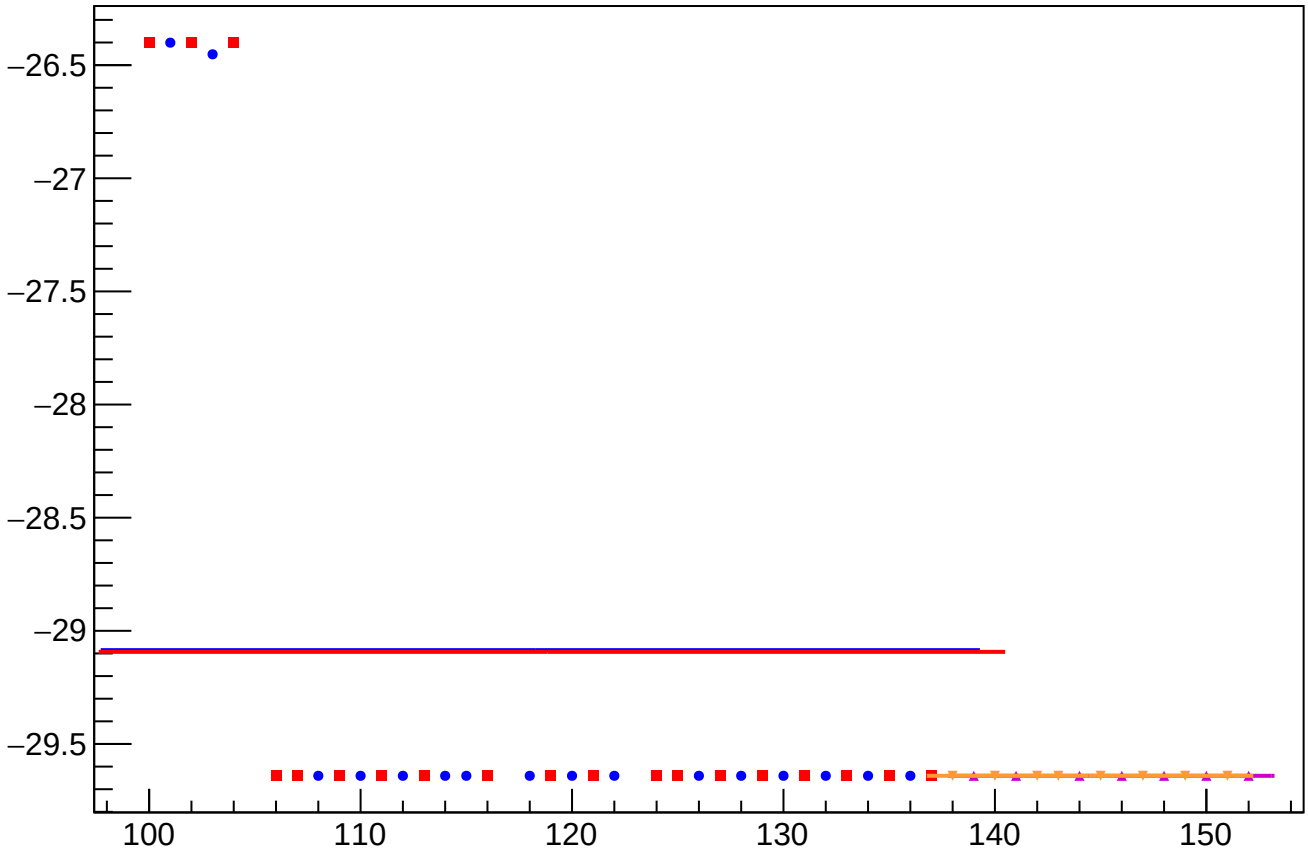
Left In: -90.599+/-0.000 χ^2/NDF:872417.1/6

+ sign 4.817+/-0.000 χ^2/NDF: 1100872882520546

All: 5.921+/-0.000 χ^2/NDF: 220482820261

- sign 7.018+/-0.000 χ^2/NDF: 11036182922023507

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:157885.8/7

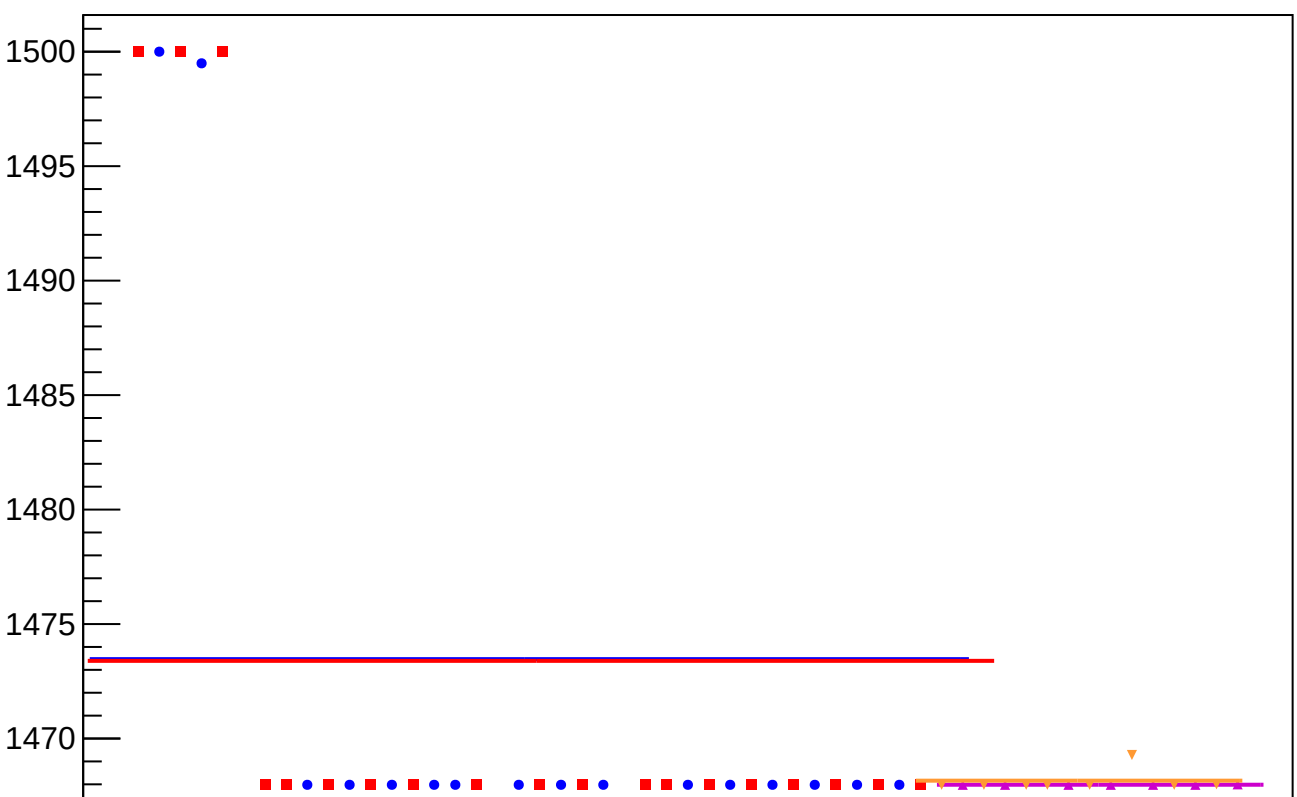
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:23337.7/6

+ sign -29.344+/-0.000 χ^2/NDF: 120079083967453

All: -29.343+/-0.000 χ^2/NDF: 242984991653

- sign -29.341+/-0.000 χ^2/NDF: 122905389455587



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

+ sign 1470.995+/-0.000 χ^2/NDF: 1167464328743 5

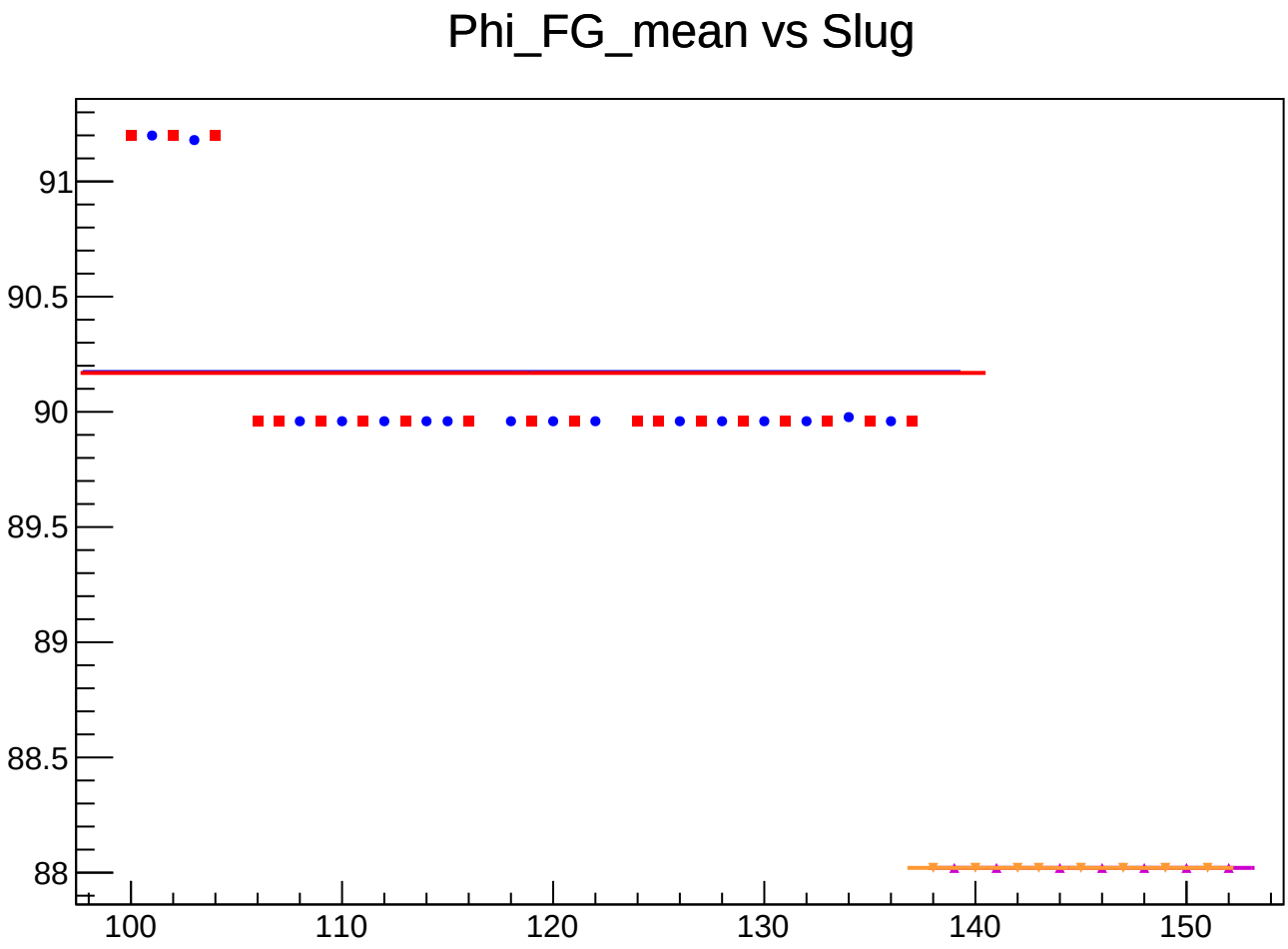
Left Out: 1468.159+/-0.000 χ^2/NDF:1282989116609817094244512259112 96.0/7

All: 1470.967+/-0.000 χ^2/NDF: 2367879597 9

Right Out: 1473.393+/-0.000 χ^2/NDF: 1099094997334010787610678433006223 36.0/18

- sign 1470.940+/-0.000 χ^2/NDF: 12003937308213

Left In: 1467.982+/-0.000 χ^2/NDF:3059462874289494460296960409 6.0/6



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2413889.1/7

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

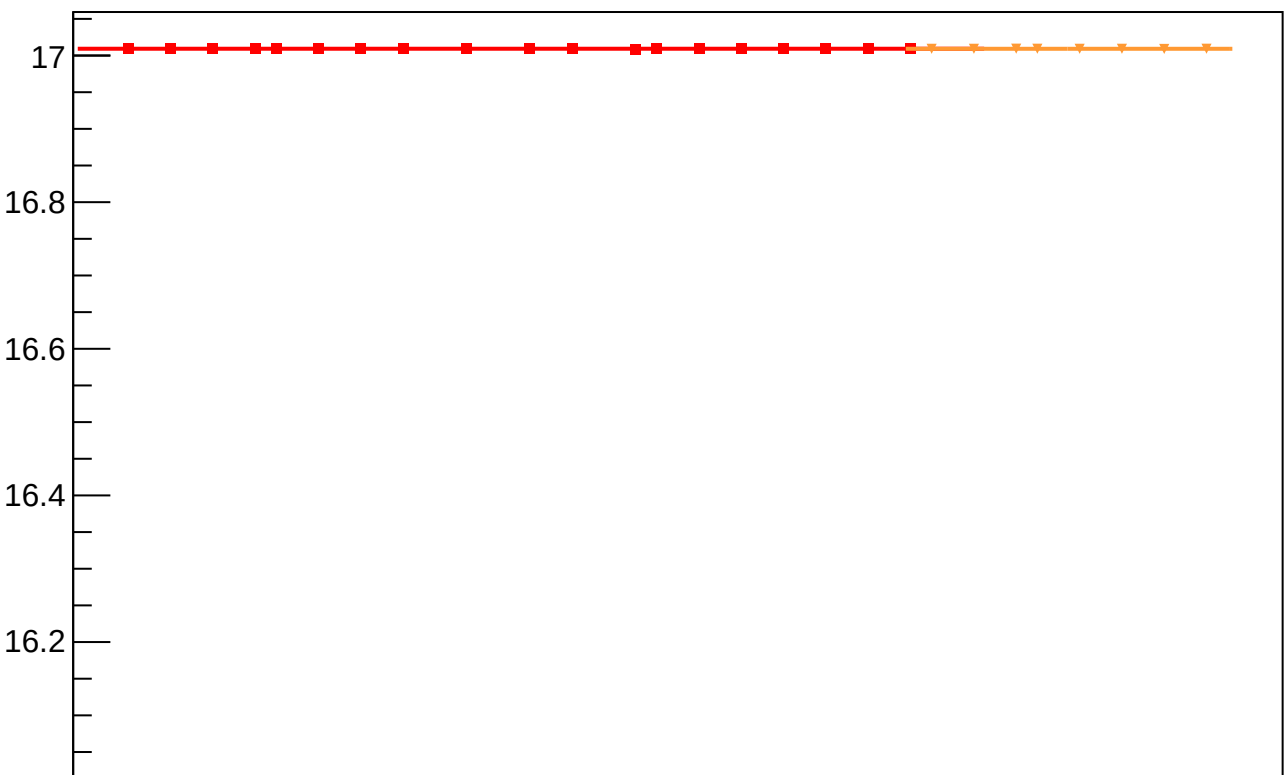
Left In: 88.021+/-0.000 χ^2/NDF:510929.4/6

+ sign 89.170+/-0.000 χ^2/NDF: 1758392513593068

All: 89.183+/-0.000 χ^2/NDF: 352026780100

- sign 89.195+/-0.000 χ^2/NDF: 1761460459709063

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:5124389016515704745099264.0/7

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

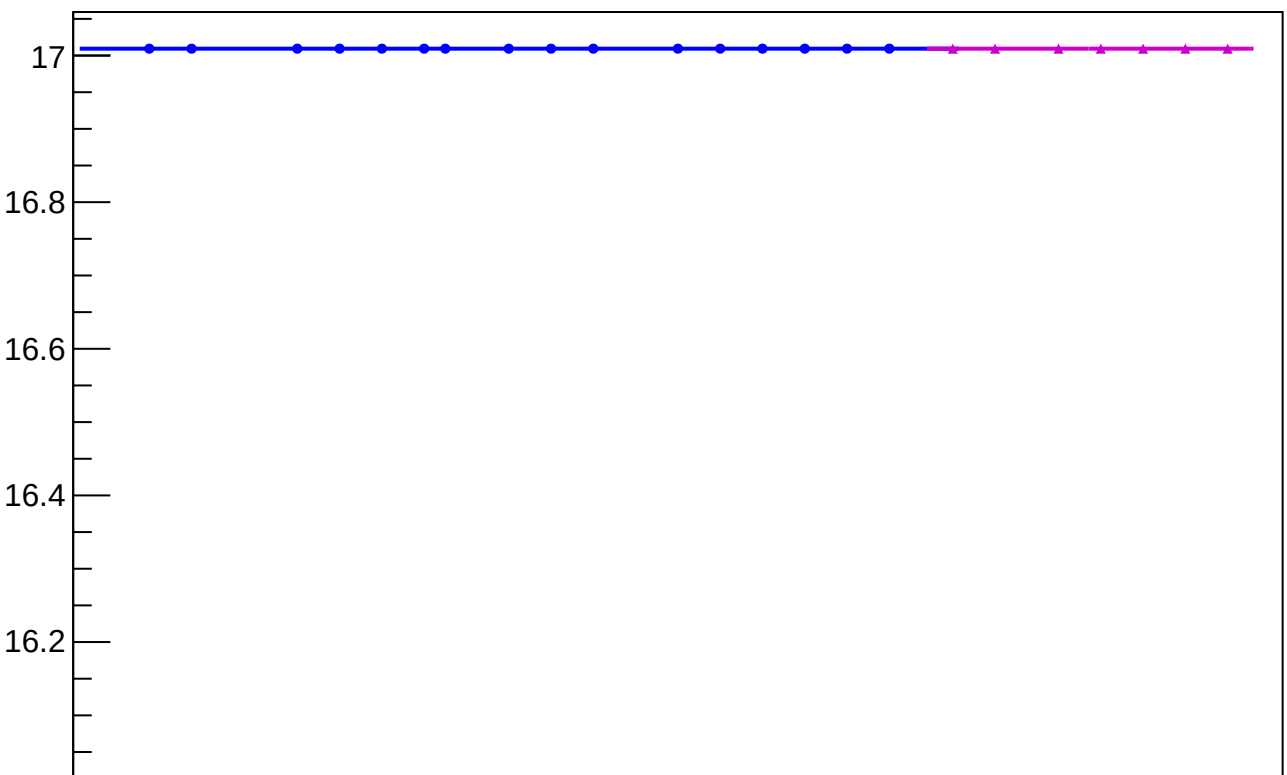
Left In: 16.009+/-0.000 χ^2/NDF:58565.0/6

+ sign 16.466+/-0.000 χ^2/NDF: 3201770608013462

All: 16.506+/-0.000 χ^2/NDF: 6448195767904

- sign 16.547+/-0.000 χ^2/NDF: 3203673555077628

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:42005.3/7

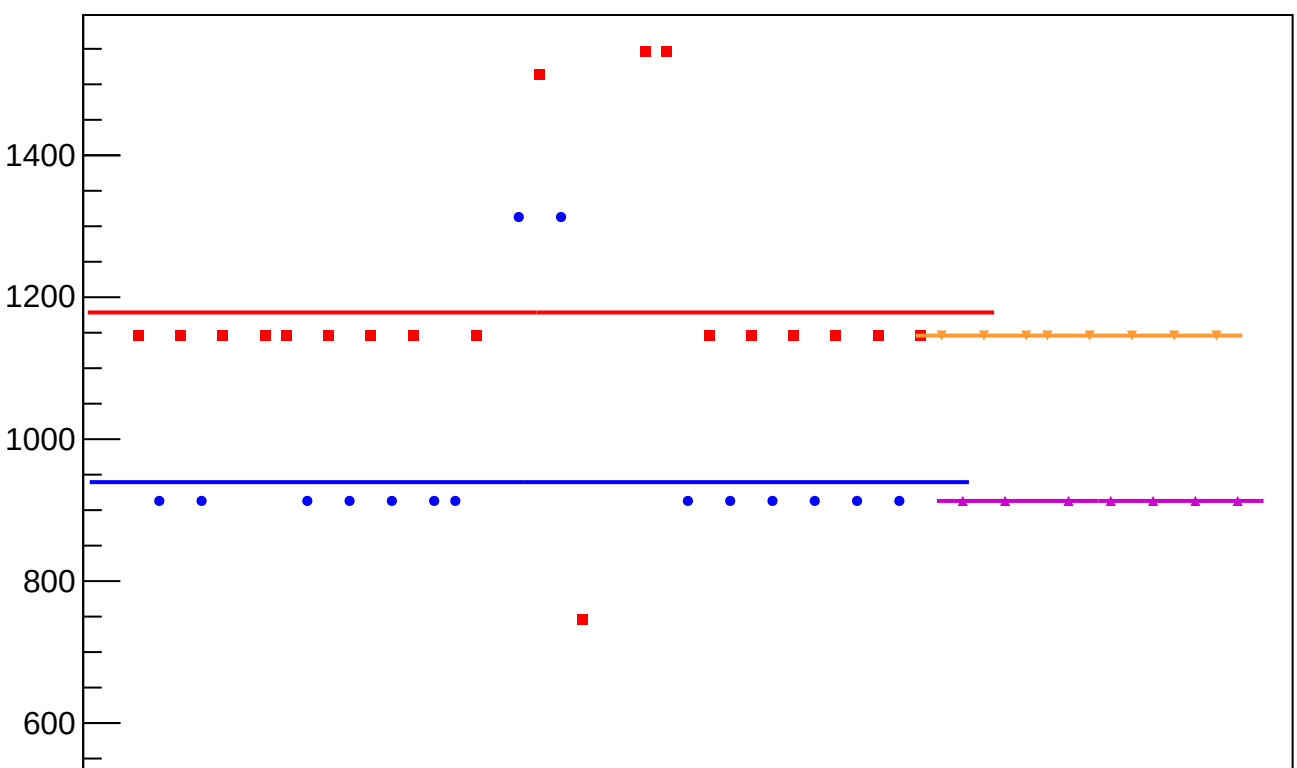
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:10488.7/6

+ sign 16.535+/-0.000 χ^2/NDF: 3350885416666660

All: 16.499+/-0.000 χ^2/NDF: 6837134502923

- sign 16.464+/-0.000 χ^2/NDF: 3451487068965226



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1035.654+/-0.000 χ^2/NDF: 35808956905805

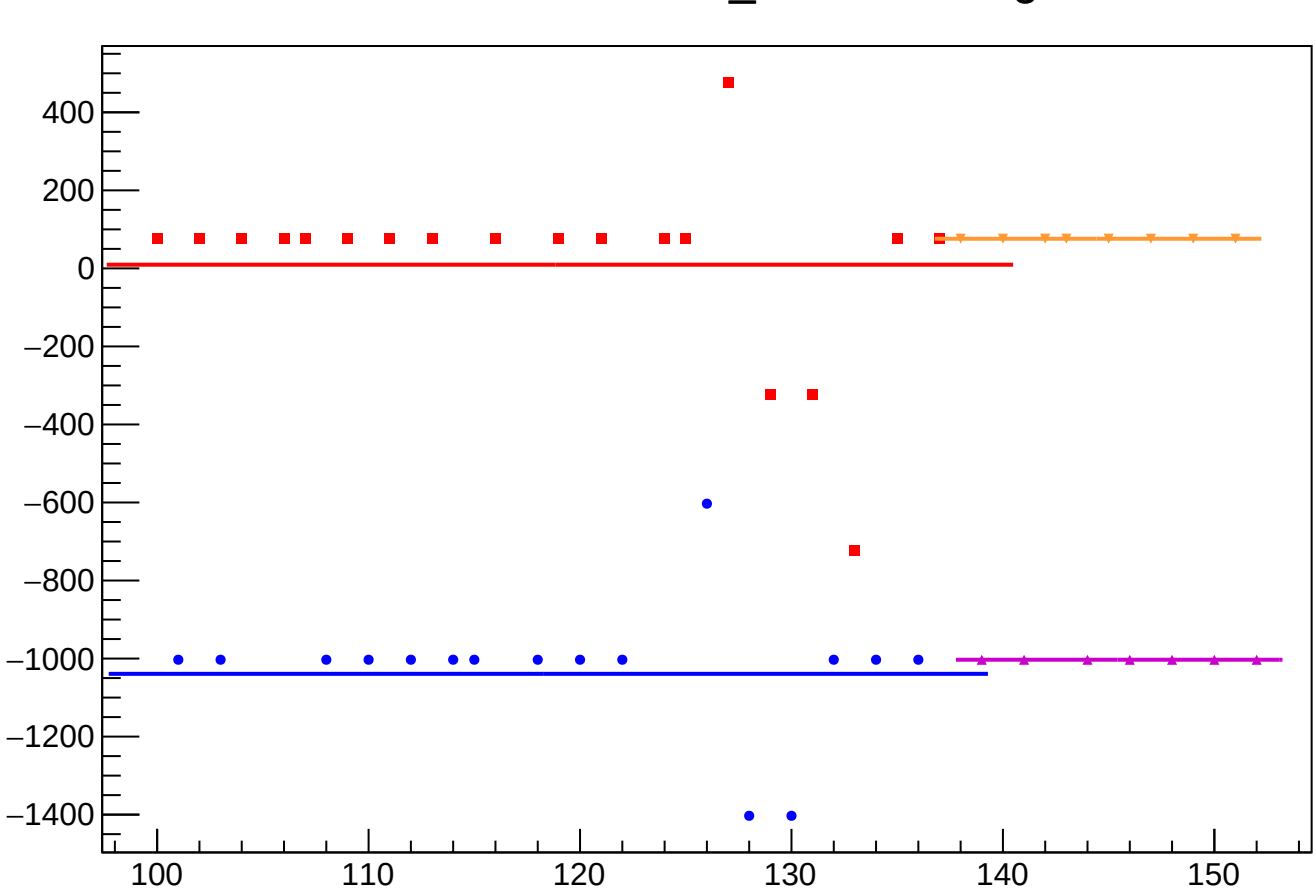
Left Out: 1146.011+/-0.000 χ^2/NDF:2361135657081856463827107840.0/7

All: 1046.922+/-0.000 χ^2/NDF: 8269164883

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1058.116+/-0.000 χ^2/NDF: 46531659504910

Left In: 912.993+/-0.000 χ^2/NDF:887031589781320492086460 4160.0/6



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040/15

+ sign -519.764+/-0.000 χ^2/NDF: 45206501275152

Left Out: 76.011+/-0.000 χ^2/NDF:26241573566492903385407160320/7

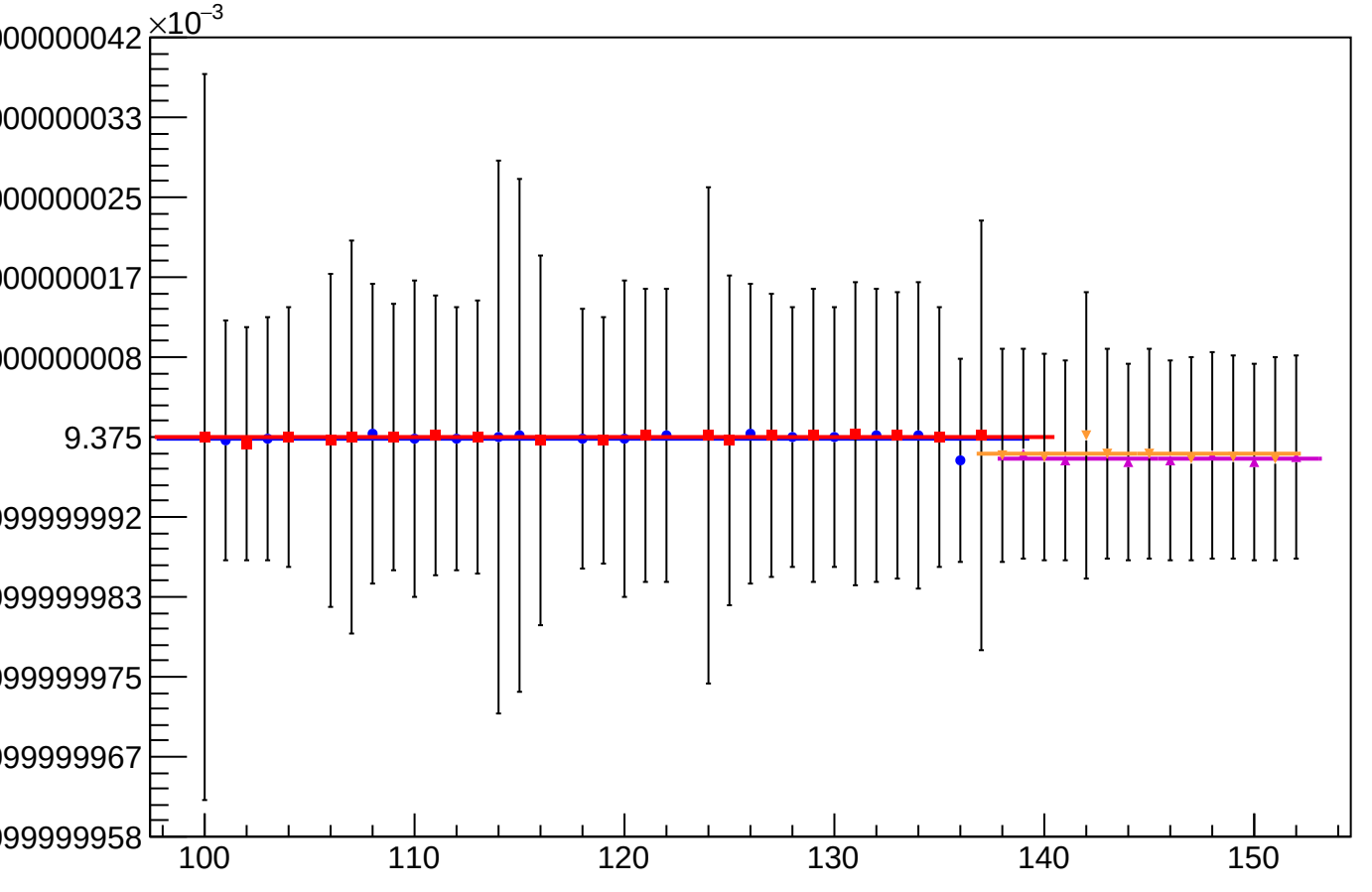
All: -484.588+/-0.000 χ^2/NDF: 8561639694

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920/18

- sign -449.640+/-0.000 χ^2/NDF: 400677757411643

Left In: -1002.989+/-0.000 χ^2/NDF:120312607177400793383410073 6.0/6

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:0.0/7

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

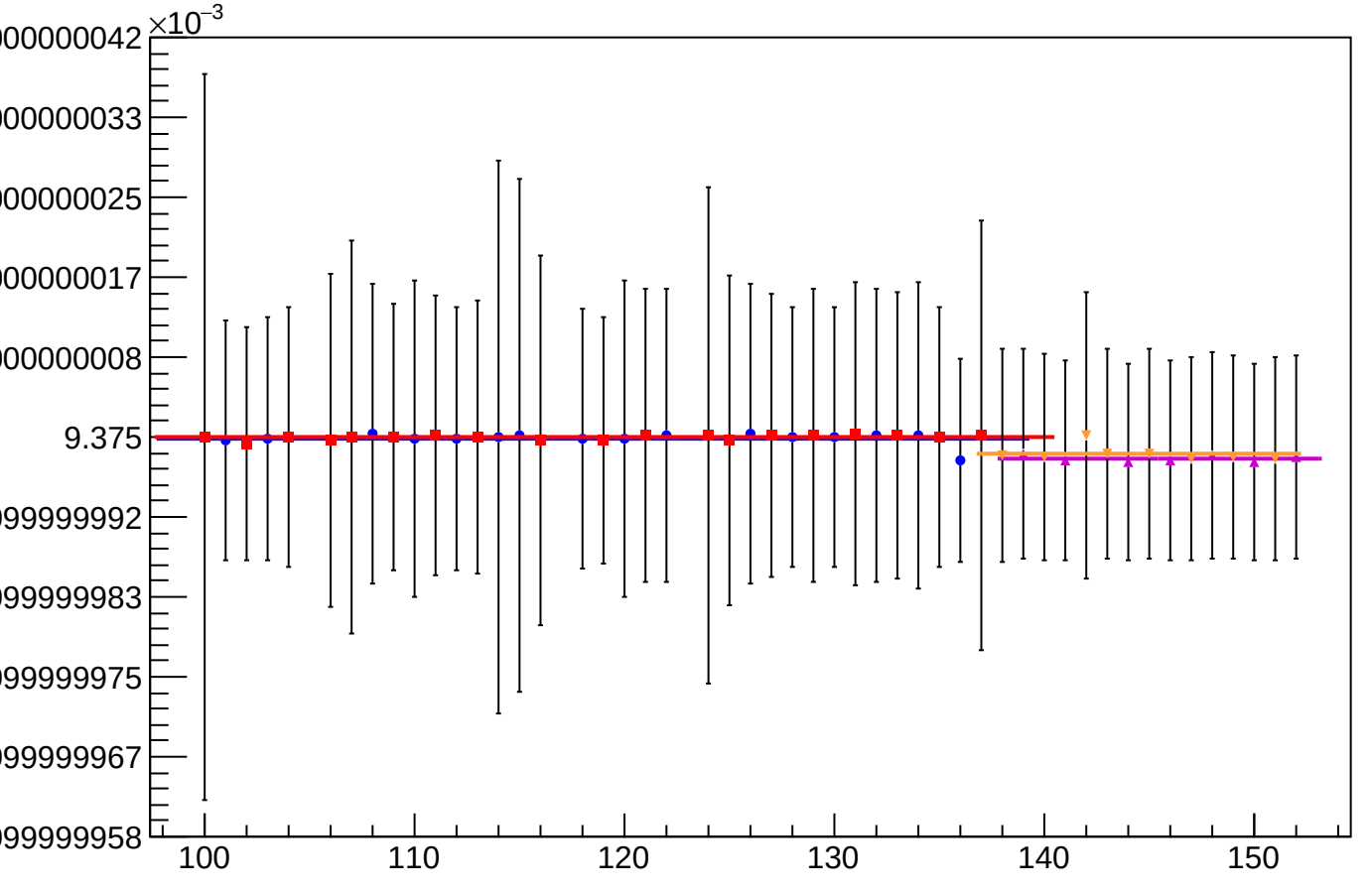
Left In: 0.009+/-0.000 χ^2/NDF:0.0/6

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/23

All: 0.009+/-0.000 χ^2/NDF: 0.3/49

- sign 0.009+/-0.000 χ^2/NDF: 0.2/25

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:0.0/7

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/6

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/23

All: 0.009+/-0.000 χ^2/NDF: 0.3/49

- sign 0.009+/-0.000 χ^2/NDF: 0.2/25