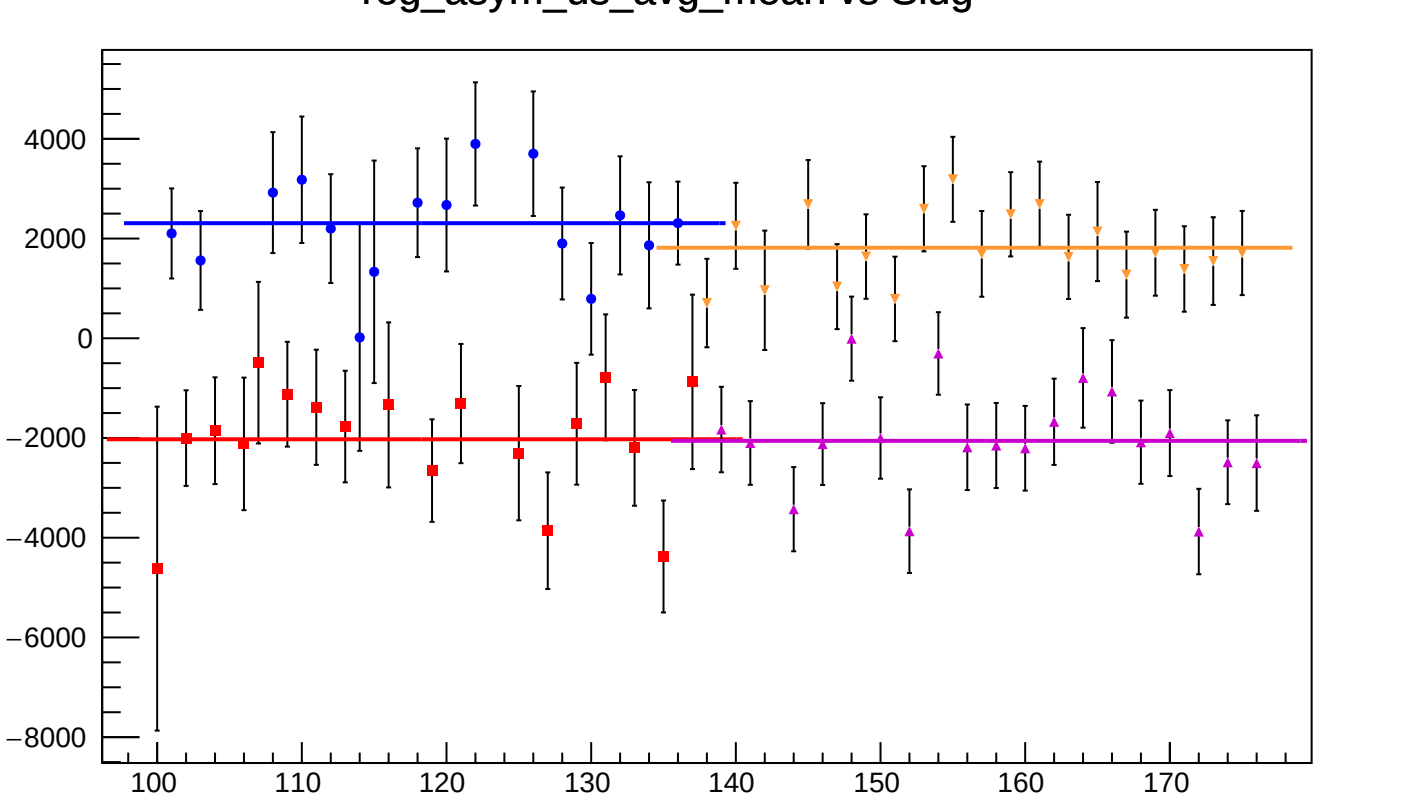


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1815.933+/-200.913 χ^2/NDF:11.7/18

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

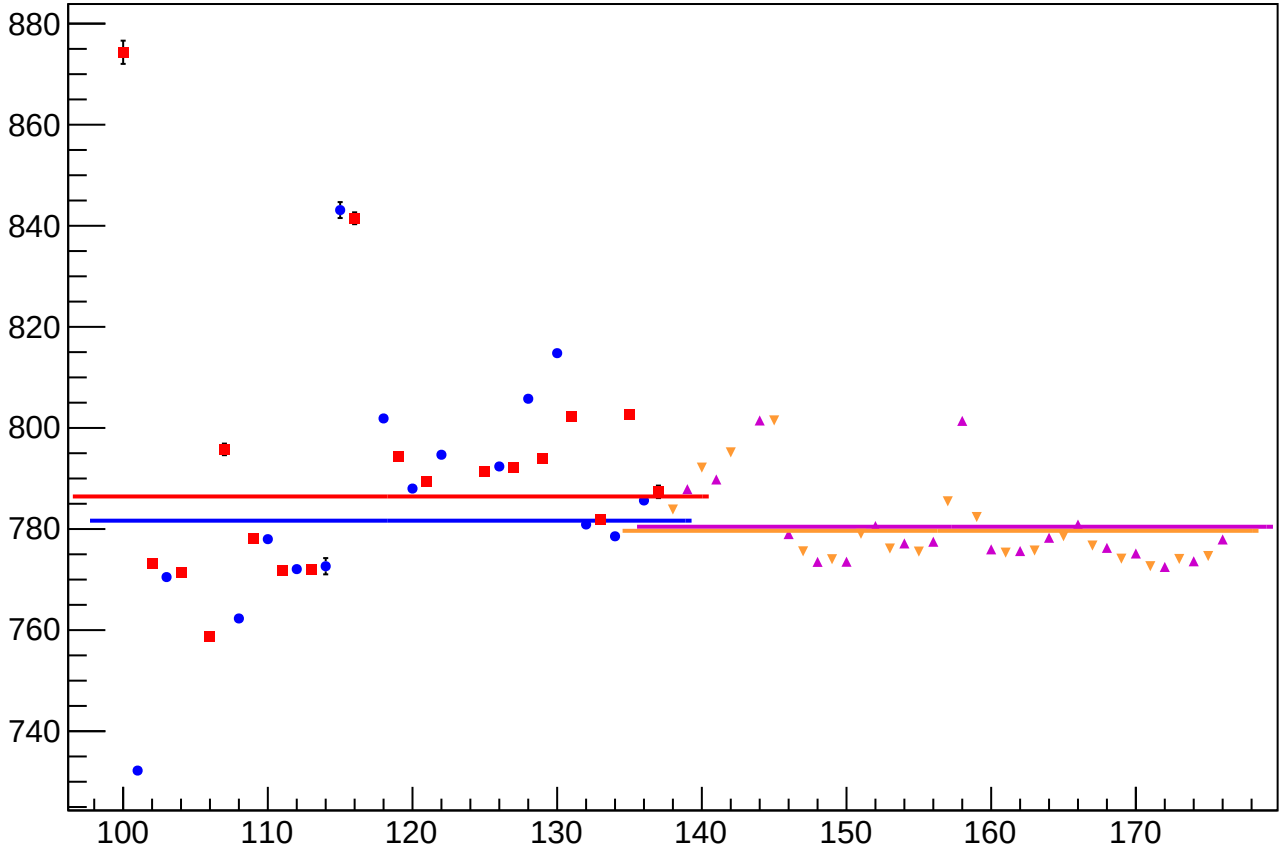
Left In: -2057.819+/-197.982 χ^2/NDF:25.6/18

+ sign 1975.246+/-165.230 χ^2/NDF: 21.4/34

All: -57.647+/-116.210 χ^2/NDF: 358.5/71

- sign -2047.575+/-163.475 χ^2/NDF: 37.5/36

reg_asym_us_avg_rms vs Slug



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

Left Out: 779.650+/-0.142 χ^2/NDF:2820.5/18

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

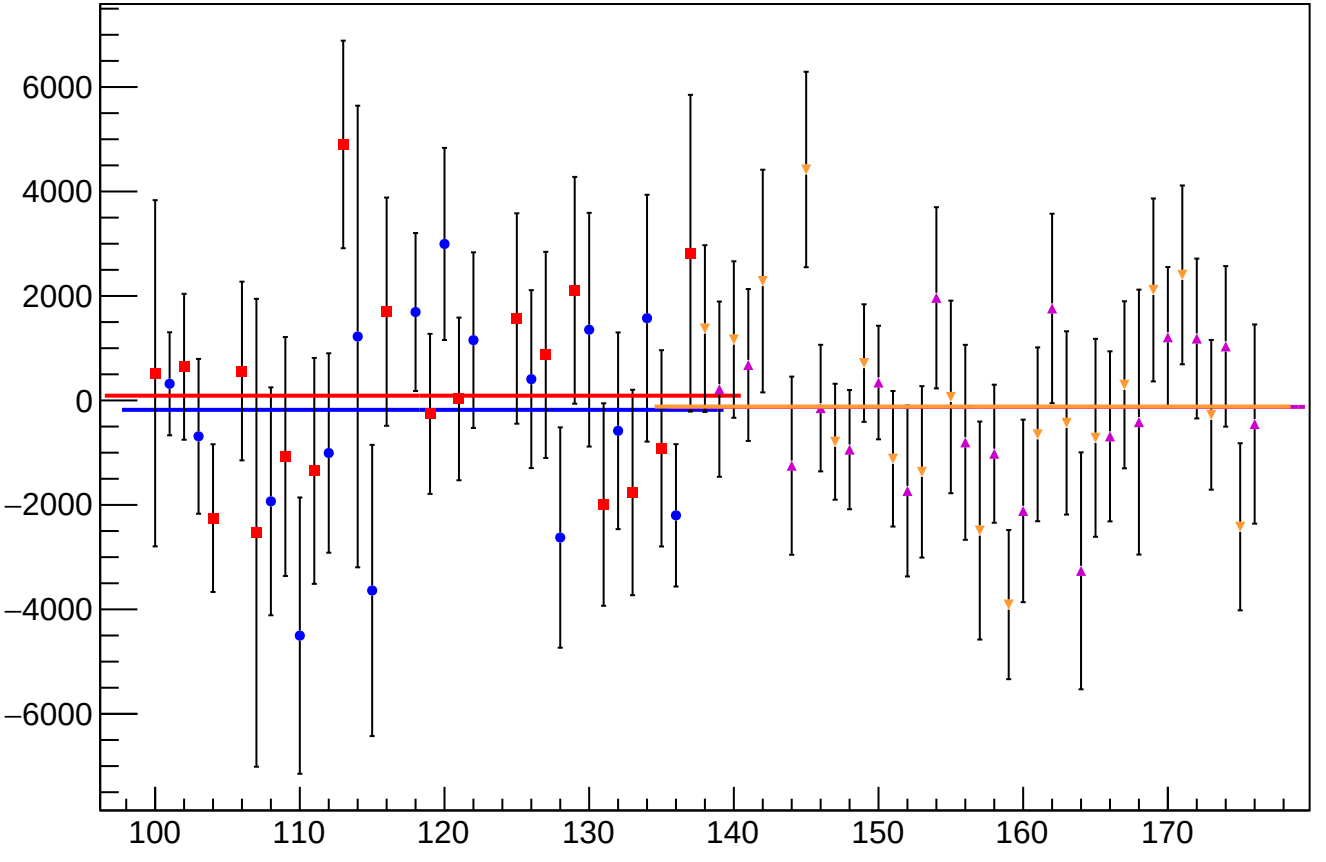
Left In: 780.453+/-0.140 χ^2/NDF:3756.5/18

+ sign 780.298+/-0.117 χ^2/NDF: 15203.9/34

All: 781.340+/-0.082 χ^2/NDF: 26901.8/71

- sign 782.359+/-0.116 χ^2/NDF: 11540.8/36

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: -117.358+/-357.459 χ^2/NDF:25.4/18

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

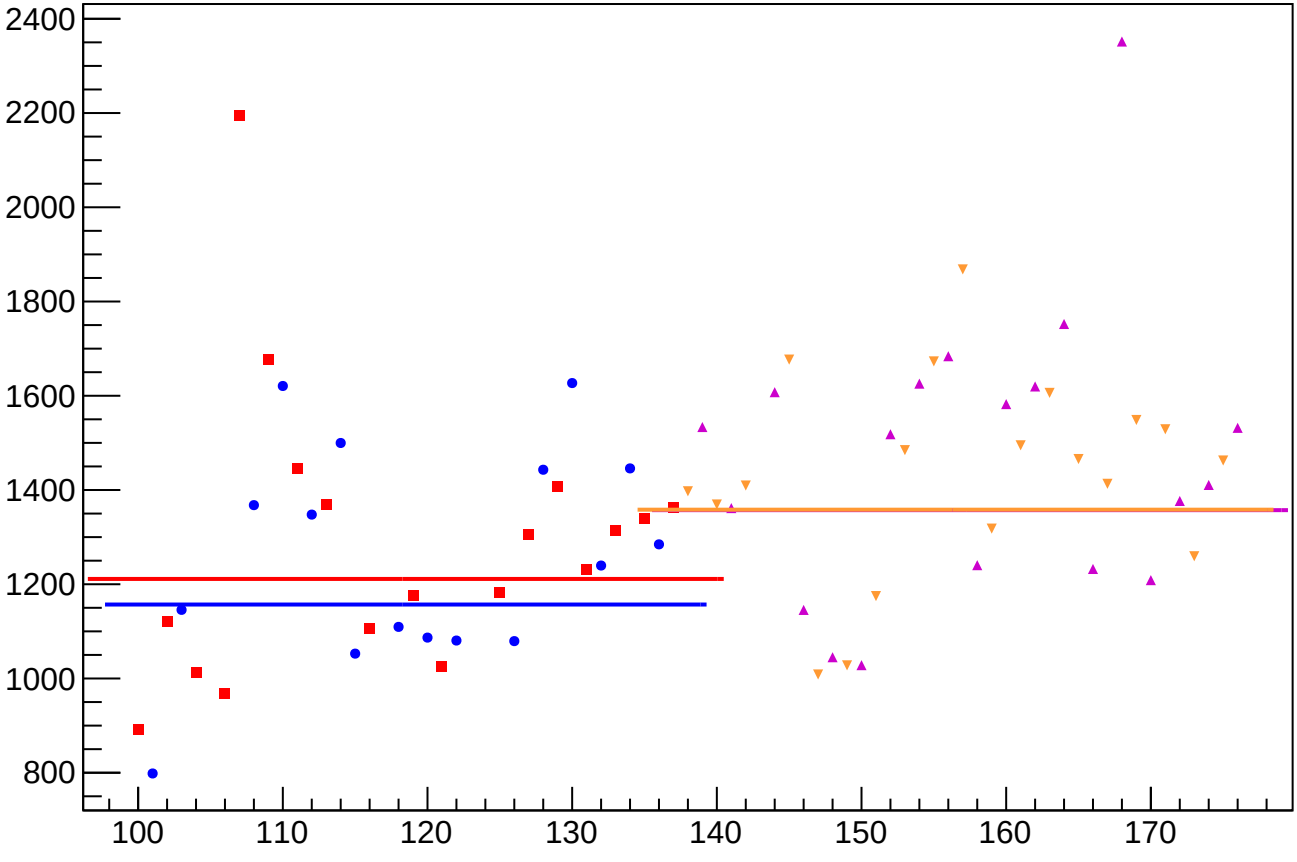
Left In: -123.938+/-352.022 χ^2/NDF:11.2/18

+ sign -142.183+/-277.635 χ^2/NDF: 40.8/34

All: -92.877+/-196.580 χ^2/NDF: 67.4/71

- sign -43.306+/-278.379 χ^2/NDF: 26.6/36

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1358.238+/-0.253 χ^2/NDF:786203.2/18

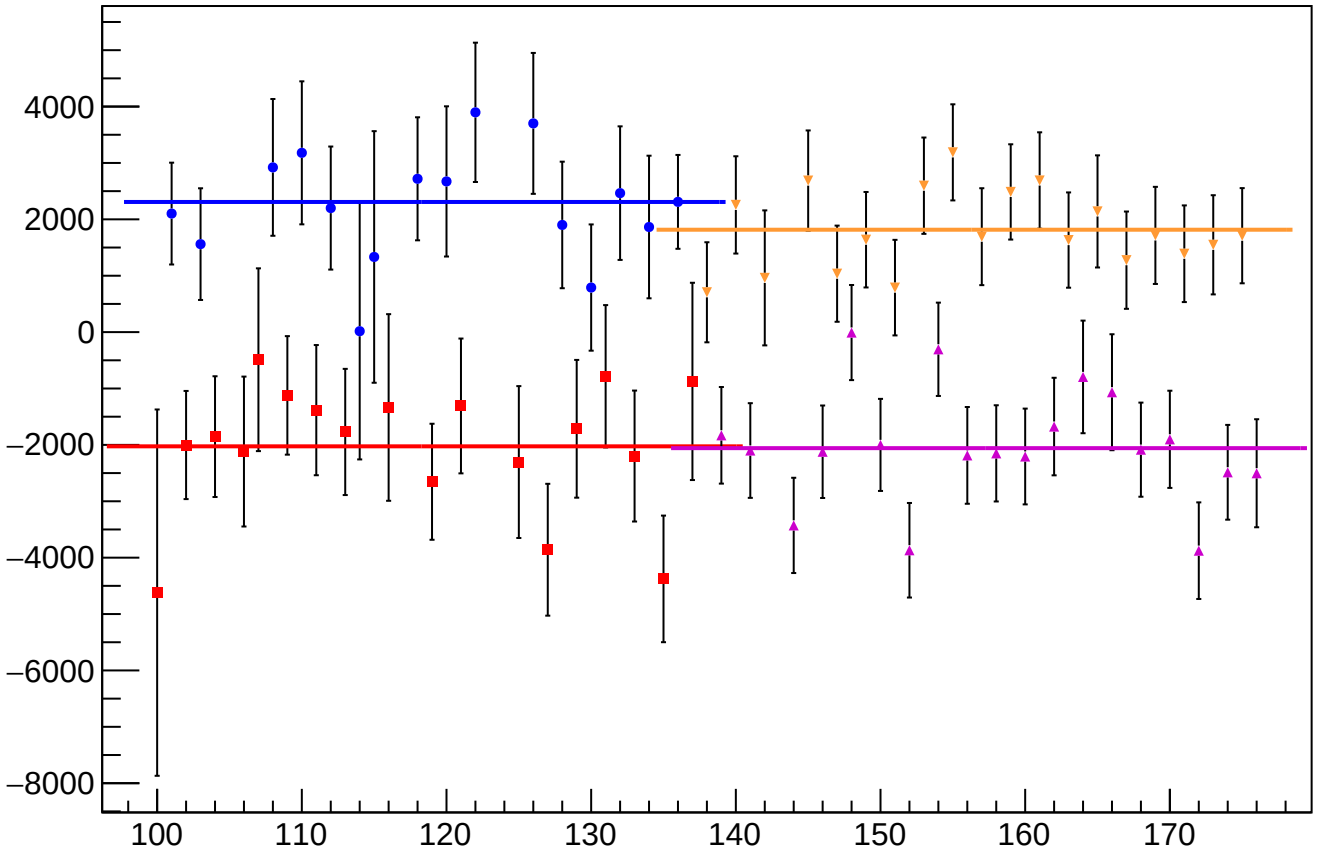
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1357.237+/-0.249 χ^2/NDF:1102267.4/18

+ sign 1278.376+/-0.196 χ^2/NDF: 1606941.1/34

All: 1290.430+/-0.139 χ^2/NDF: 3243323.4/71

- sign 1302.550+/-0.197 χ^2/NDF: 1628820.9/36



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

Left Out: 1815.933+/-200.913 χ^2/NDF:11.7/18

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

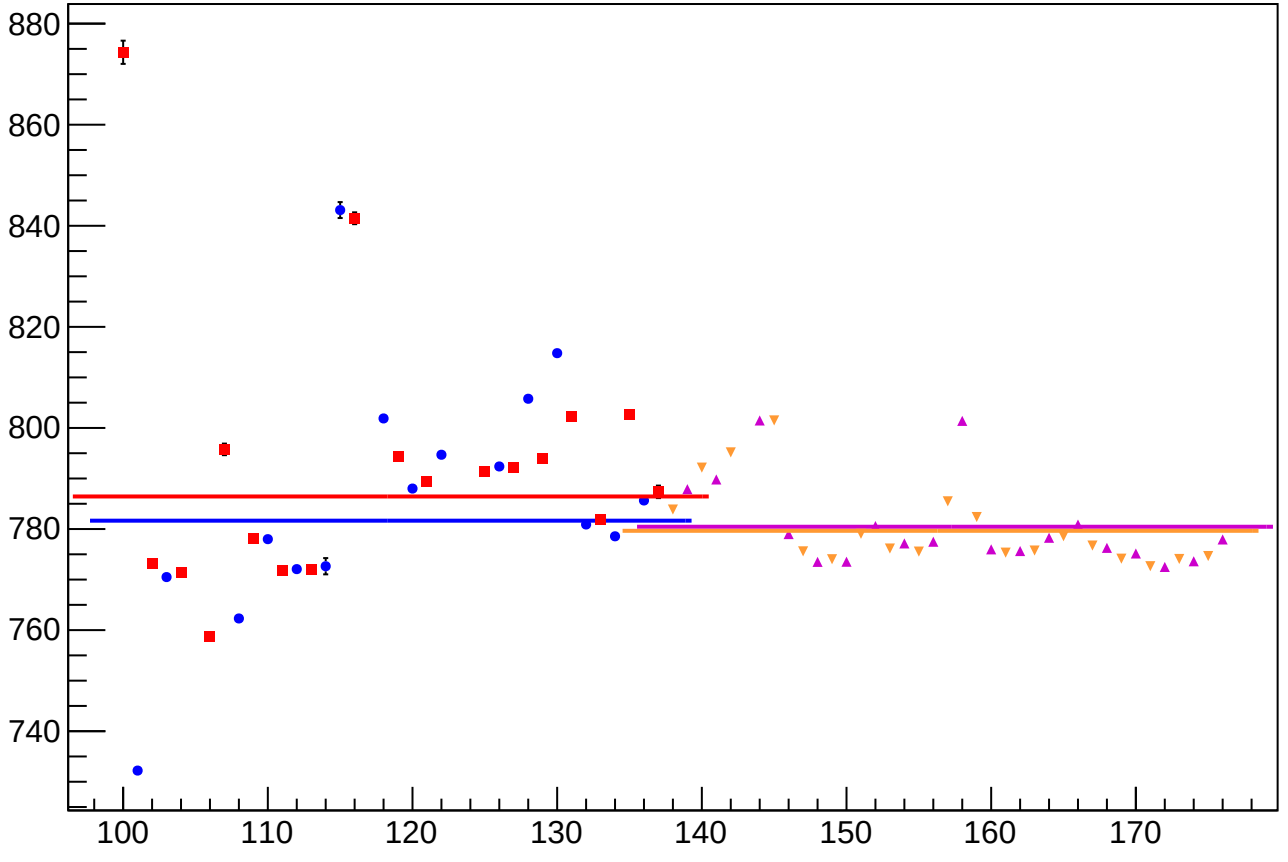
Left In: -2057.819+/-197.982 χ^2/NDF:25.6/18

+ sign 1975.246+/-165.230 χ^2/NDF: 21.4/34

All: -57.647+/-116.210 χ^2/NDF: 358.5/71

- sign -2047.575+/-163.475 χ^2/NDF: 37.5/36

cor_asym_us_avg_rms vs Slug



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

Left Out: 779.650+/-0.142 χ^2/NDF:2820.5/18

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

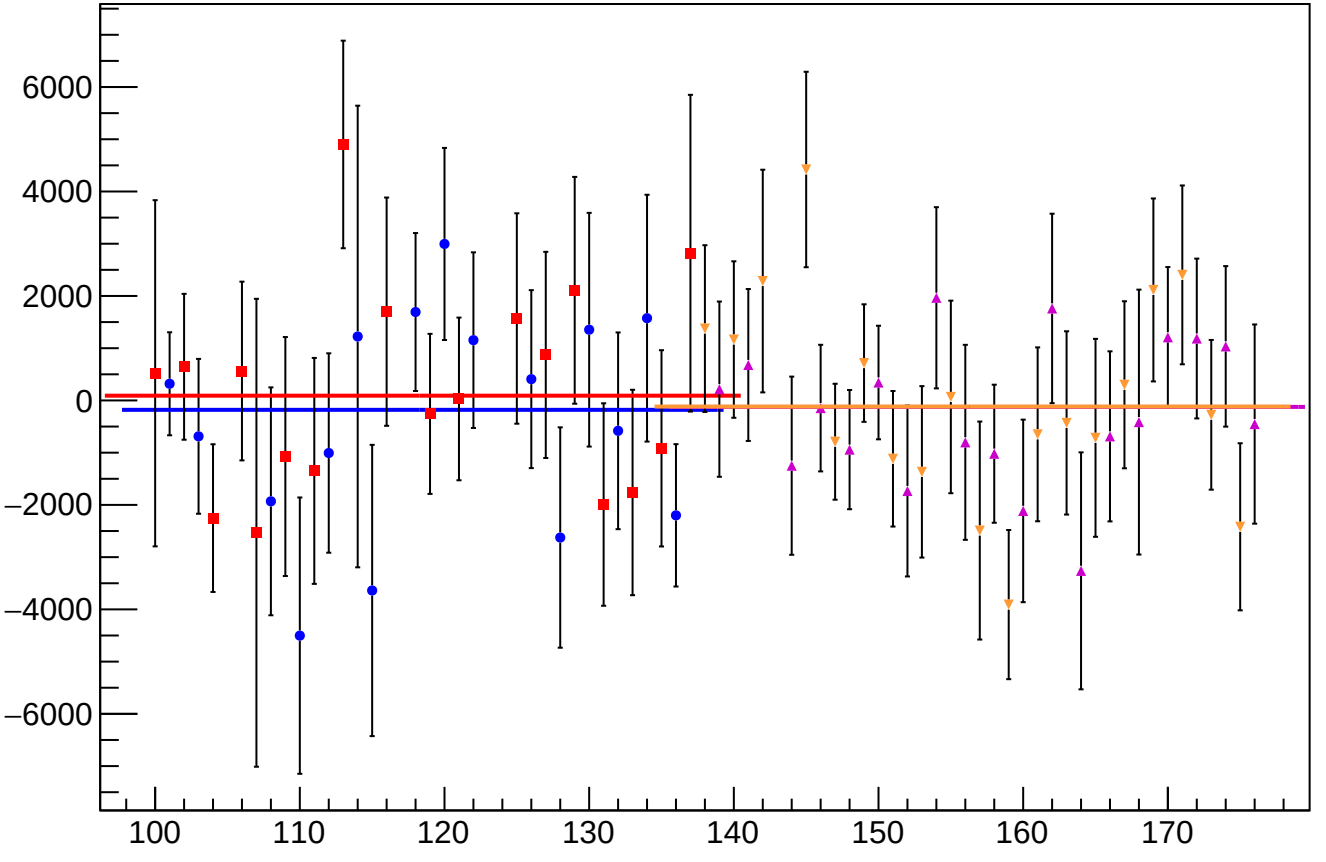
Left In: 780.453+/-0.140 χ^2/NDF:3756.5/18

+ sign 780.298+/-0.117 χ^2/NDF: 15203.9/34

All: 781.340+/-0.082 χ^2/NDF: 26901.8/71

- sign 782.359+/-0.116 χ^2/NDF: 11540.8/36

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: -117.358+/-357.459 χ^2/NDF:25.4/18

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

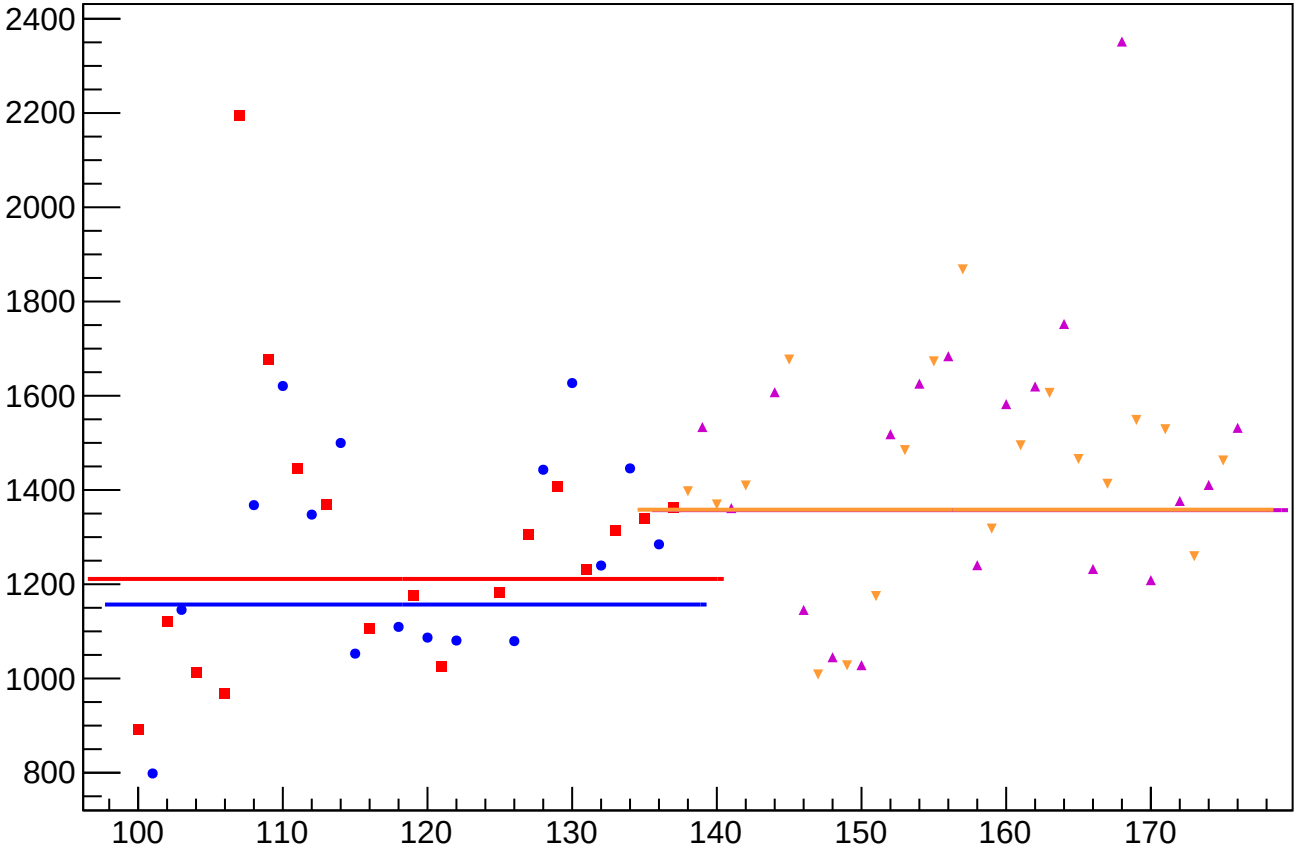
Left In: -123.938+/-352.022 χ^2/NDF:11.2/18

+ sign -142.183+/-277.635 χ^2/NDF: 40.8/34

All: -92.877+/-196.580 χ^2/NDF: 67.4/71

- sign -43.306+/-278.379 χ^2/NDF: 26.6/36

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1358.238+/-0.253 χ^2/NDF:786203.2/18

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

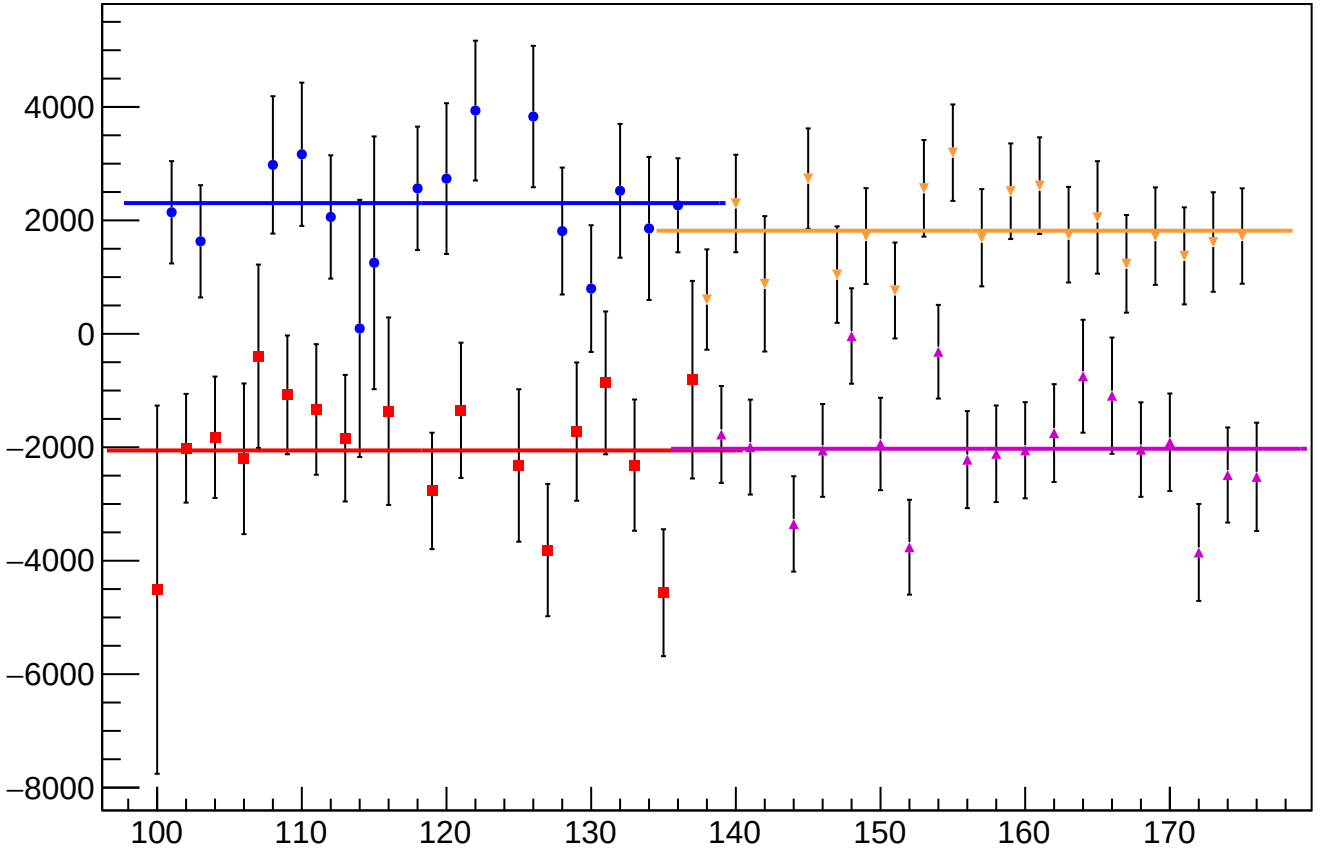
Left In: 1357.237+/-0.249 χ^2/NDF:1102267.4/18

+ sign 1278.376+/-0.196 χ^2/NDF: 1606941.1/34

All: 1290.430+/-0.139 χ^2/NDF: 3243323.4/71

- sign 1302.550+/-0.197 χ^2/NDF: 1628820.9/36

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1818.116+/-200.383 χ^2/NDF:12.1/18

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

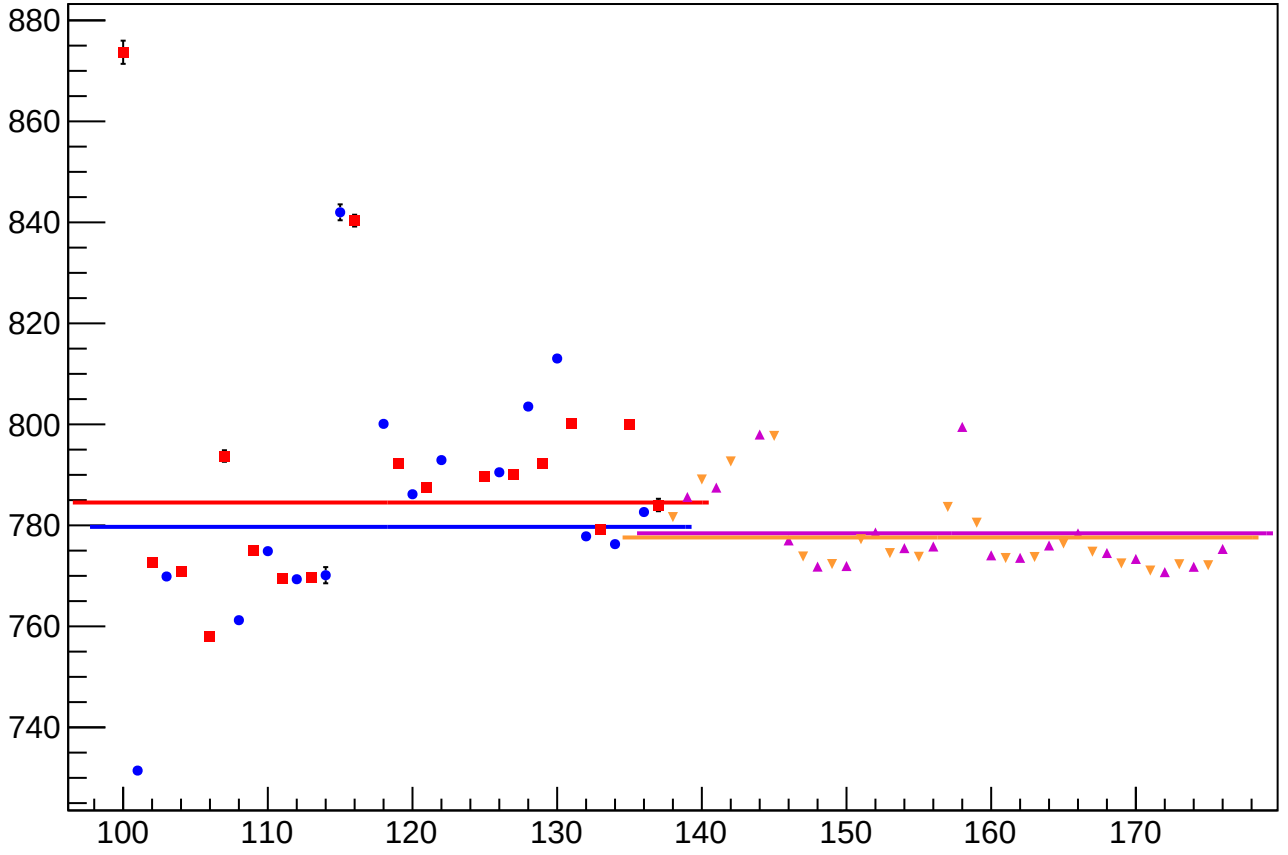
Left In: -2026.396+/-197.466 χ^2/NDF:24.6/18

+ sign 1975.626+/-164.801 χ^2/NDF: 22.1/34

All: -51.379+/-115.911 χ^2/NDF: 358.9/71

- sign -2035.708+/-163.057 χ^2/NDF: 37.5/36

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 777.602+/-0.142 χ^2/NDF:2517.0/18

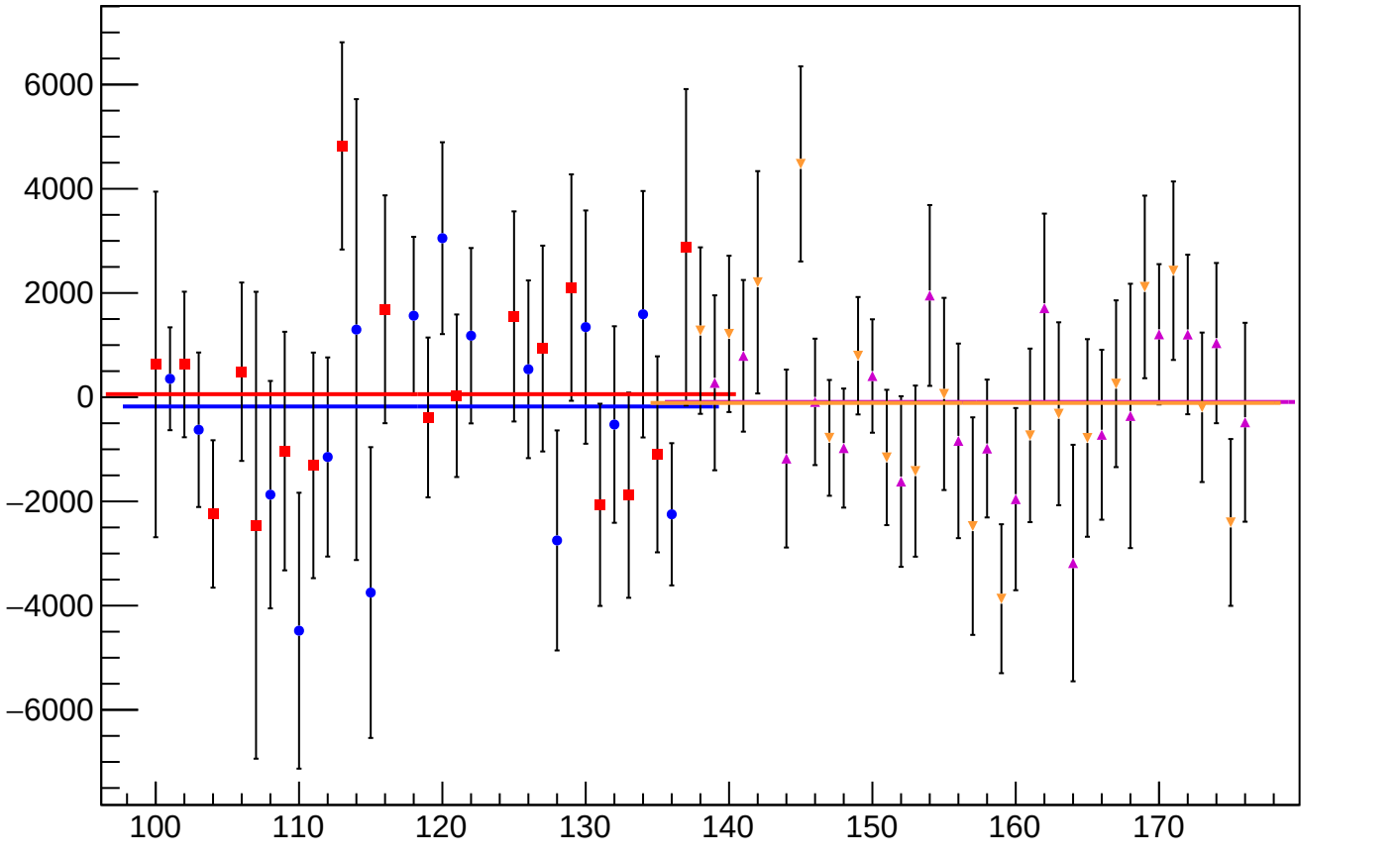
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 778.423+/-0.140 χ^2/NDF:3531.3/18

+ sign 778.282+/-0.117 χ^2/NDF: 14648.3/34

All: 779.334+/-0.082 χ^2/NDF: 26108.4/71

- sign 780.364+/-0.115 χ^2/NDF: 11298.7/36



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

Left Out: -109.857+/-357.788 χ^2/NDF:25.4/18

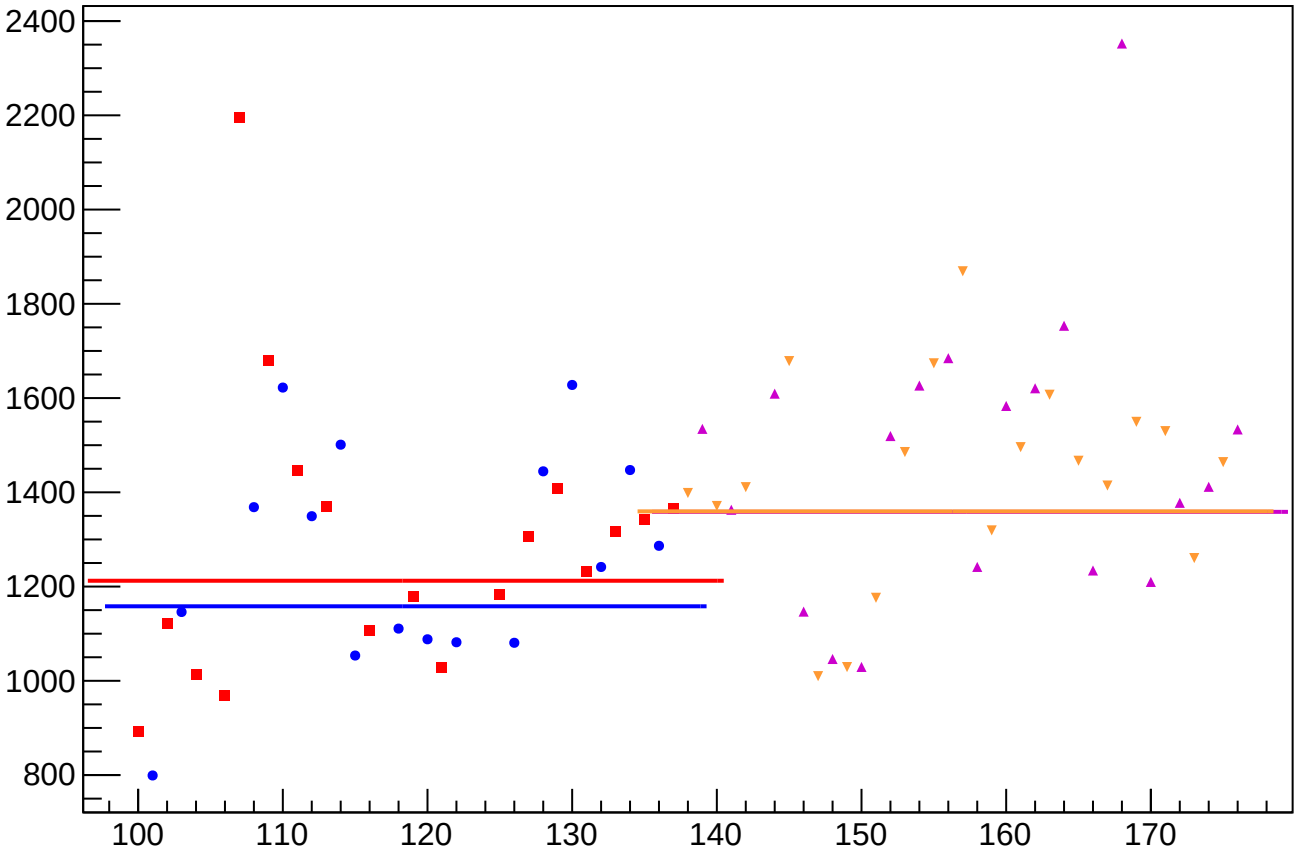
Right Out: 58.040+/-455.216 χ^2/NDF: 15.3/17

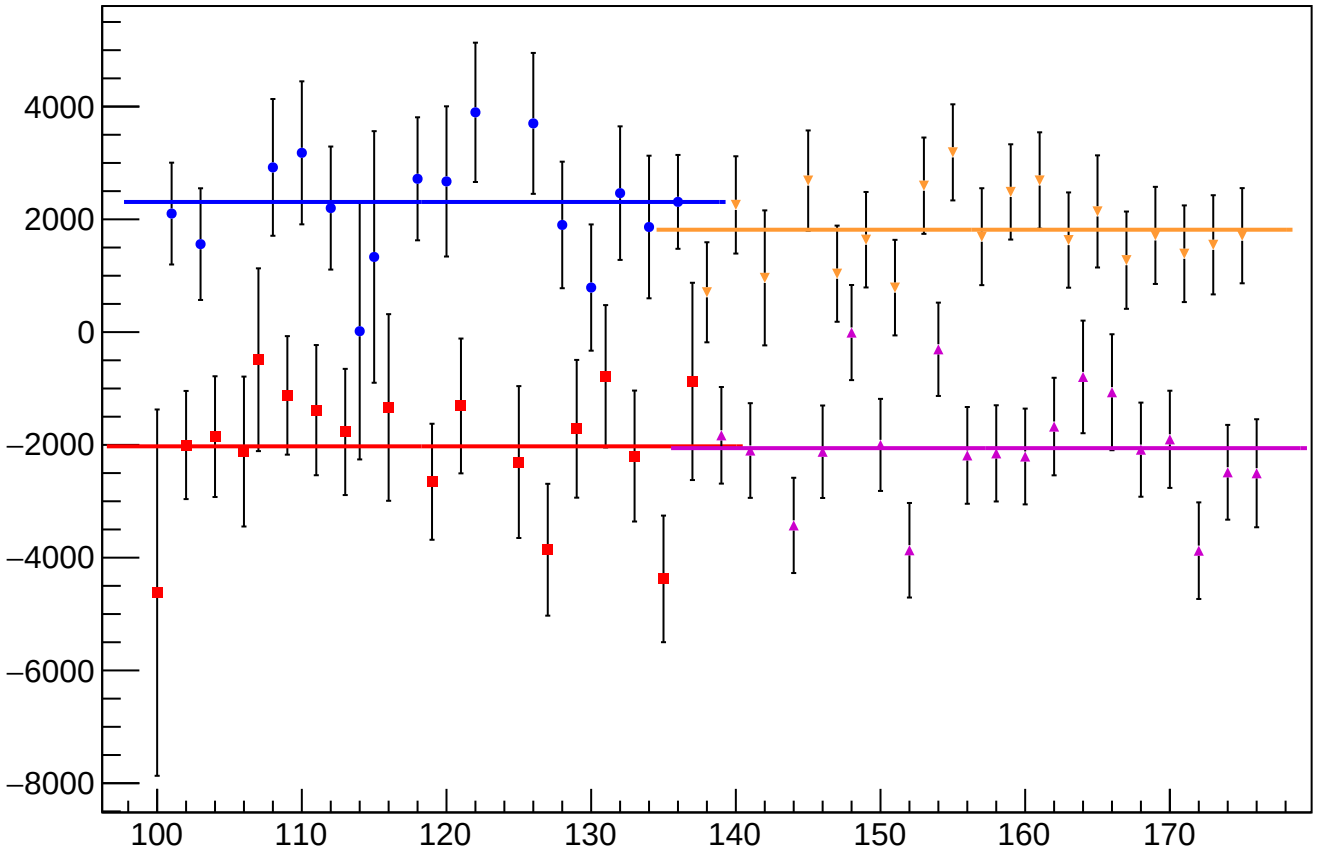
Left In: -91.239+/-352.341 χ^2/NDF:10.9/18

\+ sign -137.071+/-277.901 χ^2/NDF: 41.1/34

All: -86.325+/-196.763 χ^2/NDF: 67.4/71

\- sign -35.313+/-278.629 χ^2/NDF: 26.2/36


asym_us_avg_overload_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1158.134+/-0.312 χ²/NDF: 569144.8/15
Left Out: 1359.565+/-0.253 χ²/NDF:784069.6/18
Right Out: 1212.347+/-0.322 χ²/NDF: 397938.1/17
Left In: 1358.535+/-0.249 χ²/NDF:1099820.5/18
+ sign 1279.655+/-0.197 χ²/NDF: 1604694.5/34
All: 1291.679+/-0.139 χ²/NDF: 3238948.5/71
- sign 1303.766+/-0.197 χ²/NDF: 1626746.0/36



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

Left Out: 1815.933+/-200.913 χ^2/NDF:11.7/18

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

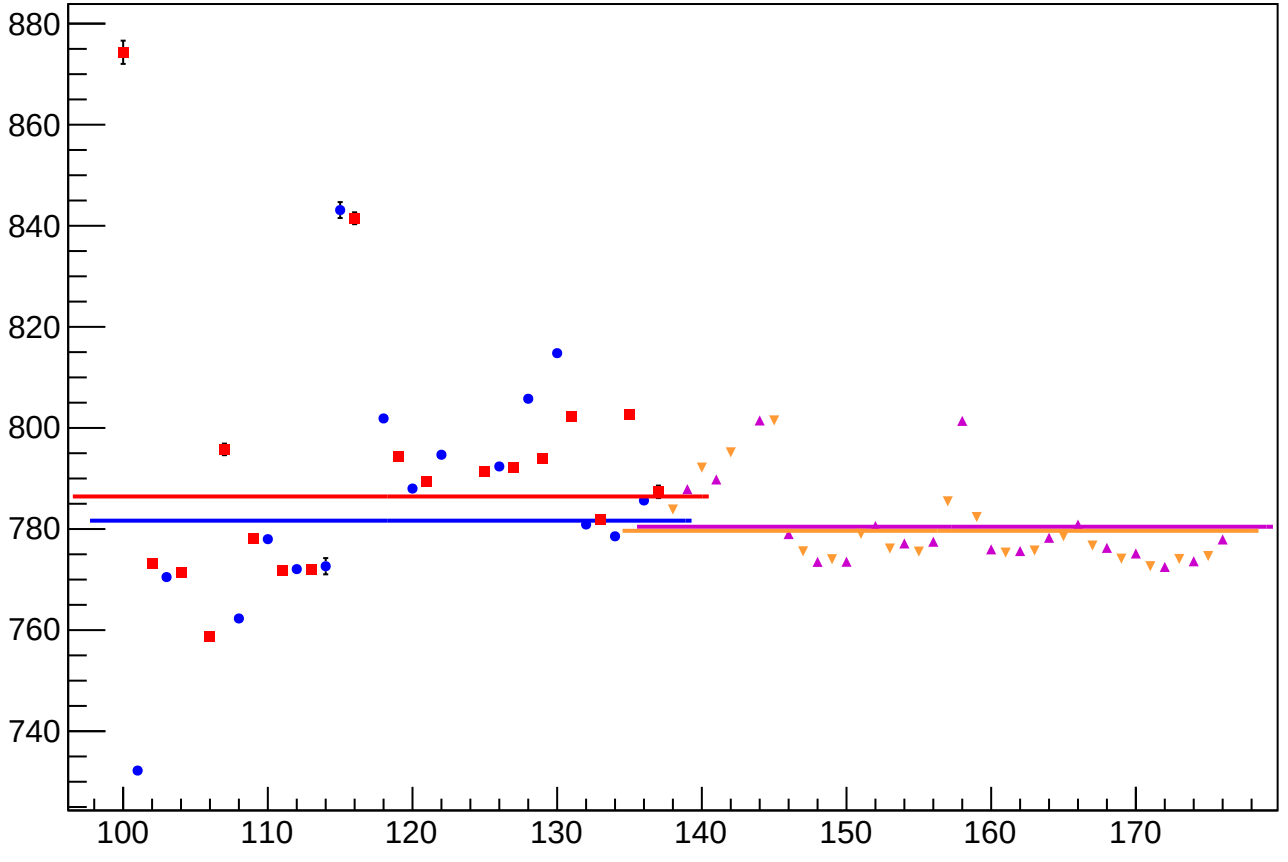
Left In: -2057.819+/-197.982 χ^2/NDF:25.6/18

+ sign 1975.246+/-165.230 χ^2/NDF: 21.4/34

All: -57.647+/-116.210 χ^2/NDF: 358.5/71

- sign -2047.575+/-163.475 χ^2/NDF: 37.5/36

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 779.650+/-0.142 χ^2/NDF:2820.5/18

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

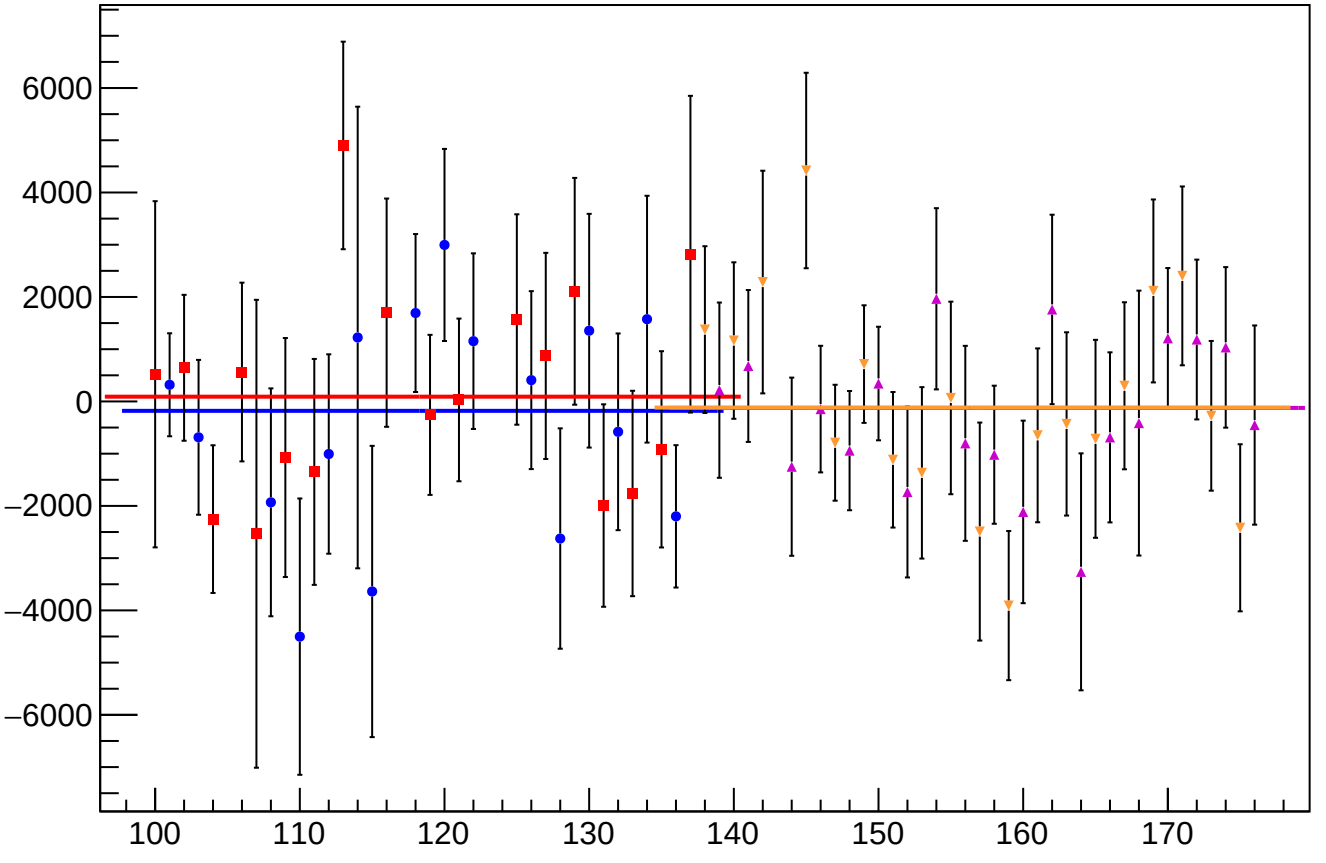
Left In: 780.453+/-0.140 χ^2/NDF:3756.5/18

+ sign 780.298+/-0.117 χ^2/NDF: 15203.9/34

All: 781.340+/-0.082 χ^2/NDF: 26901.8/71

- sign 782.359+/-0.116 χ^2/NDF: 11540.8/36

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Left Out: -117.358+/-357.459 χ^2/NDF:25.4/18

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

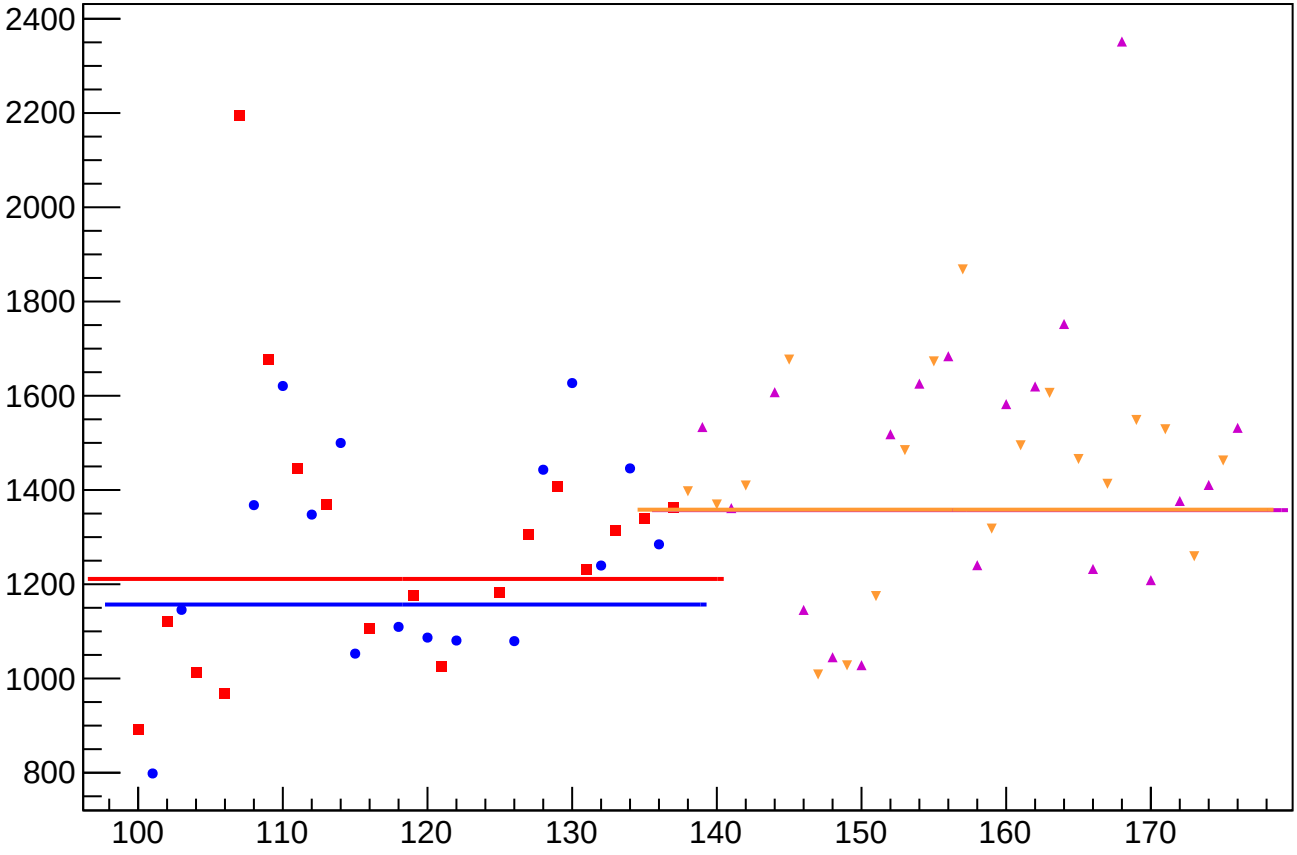
Left In: -123.938+/-352.022 χ^2/NDF:11.2/18

+ sign -142.183+/-277.635 χ^2/NDF: 40.8/34

All: -92.877+/-196.580 χ^2/NDF: 67.4/71

- sign -43.306+/-278.379 χ^2/NDF: 26.6/36

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1358.238+/-0.253 χ^2/NDF:786203.2/18

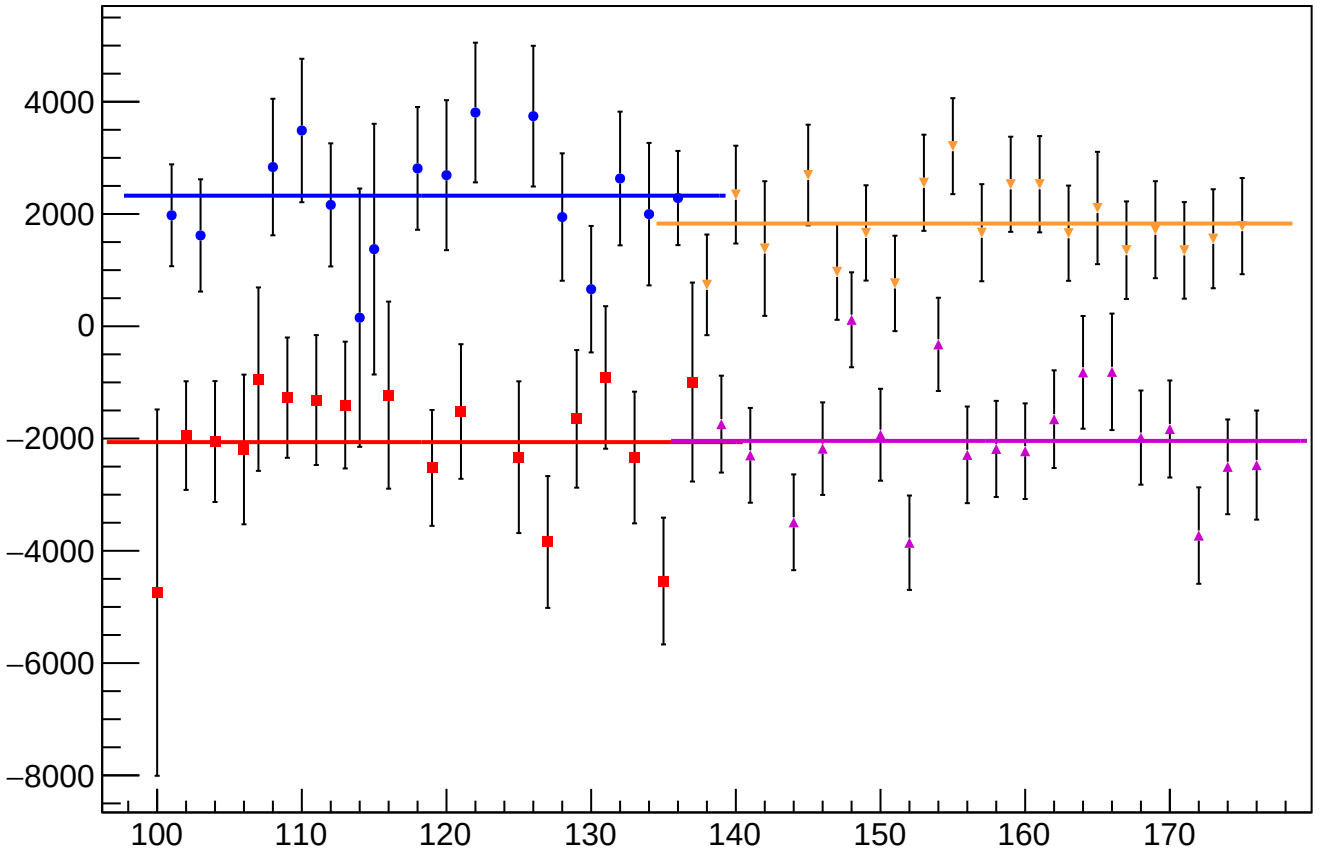
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1357.237+/-0.249 χ^2/NDF:1102267.4/18

\+ sign 1278.376+/-0.196 χ^2/NDF: 1606941.1/34

All: 1290.430+/-0.139 χ^2/NDF: 3243323.4/71

\- sign 1302.550+/-0.197 χ^2/NDF: 1628820.9/36



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

Left Out: 1829.663+/-201.978 χ^2/NDF:11.1/18

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

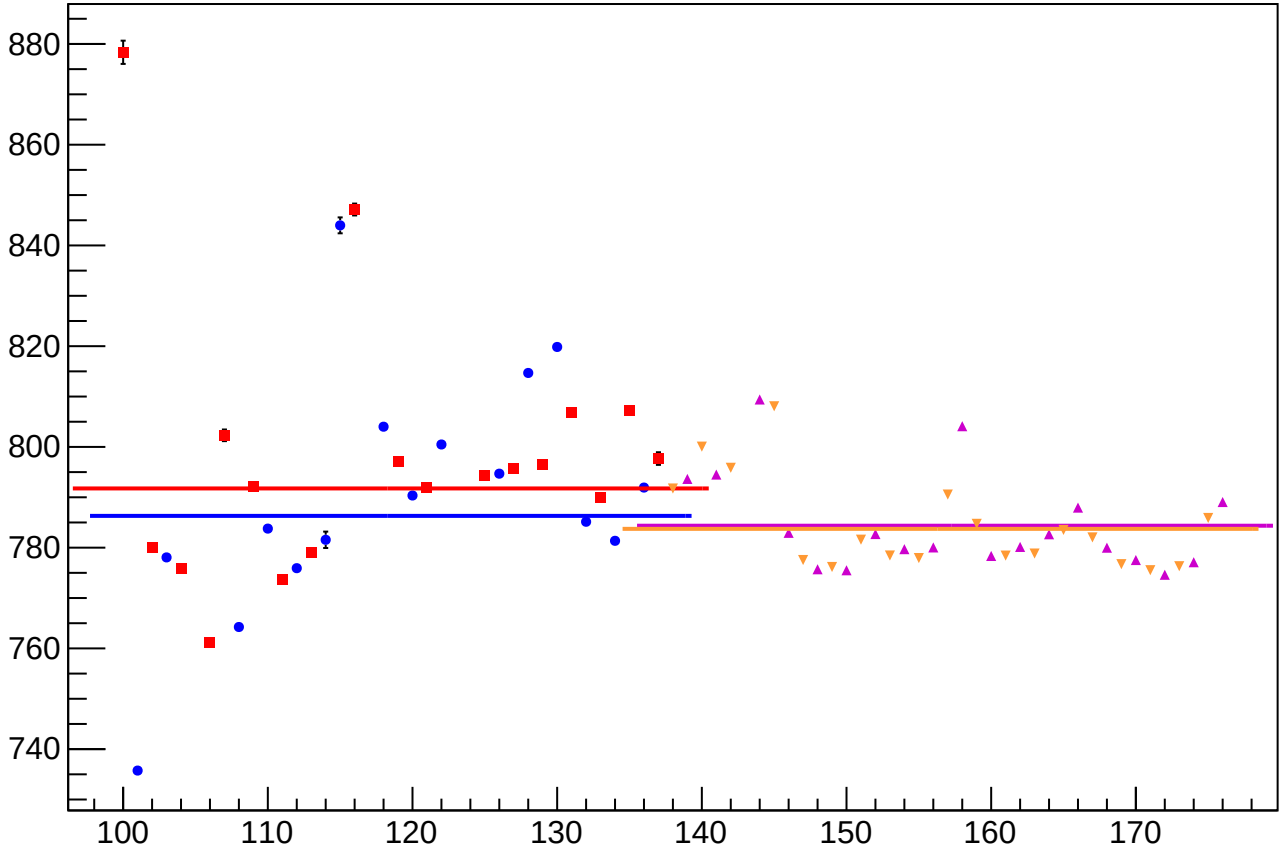
Left In: -2041.532+/-198.981 χ^2/NDF:26.3/18

+ sign 1990.295+/-166.144 χ^2/NDF: 21.2/34

All: -50.554+/-116.858 χ^2/NDF: 357.7/71

- sign -2048.656+/-164.395 χ^2/NDF: 37.9/36

dit_asym_us_avg_rms vs Slug



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

Left Out: 783.734+/-0.143 χ^2/NDF:3729.6/18

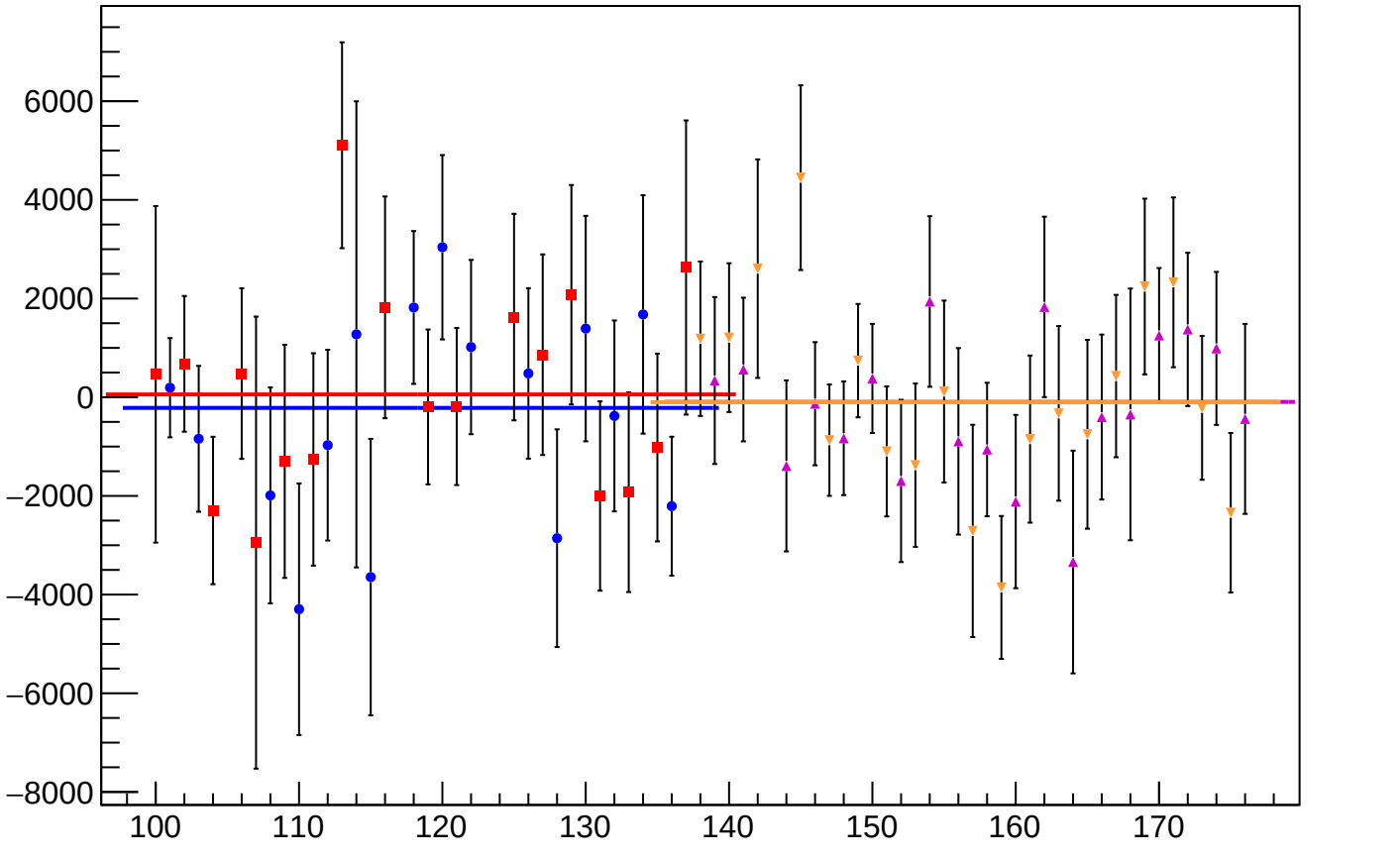
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.356+/-0.141 χ^2/NDF:4686.8/18

+ sign 784.567+/-0.117 χ^2/NDF: 16405.9/34

All: 785.647+/-0.083 χ^2/NDF: 29153.2/71

- sign 786.705+/-0.116 χ^2/NDF: 12580.0/36



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

Left Out: -102.524+/-362.115 χ^2/NDF:25.3/18

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

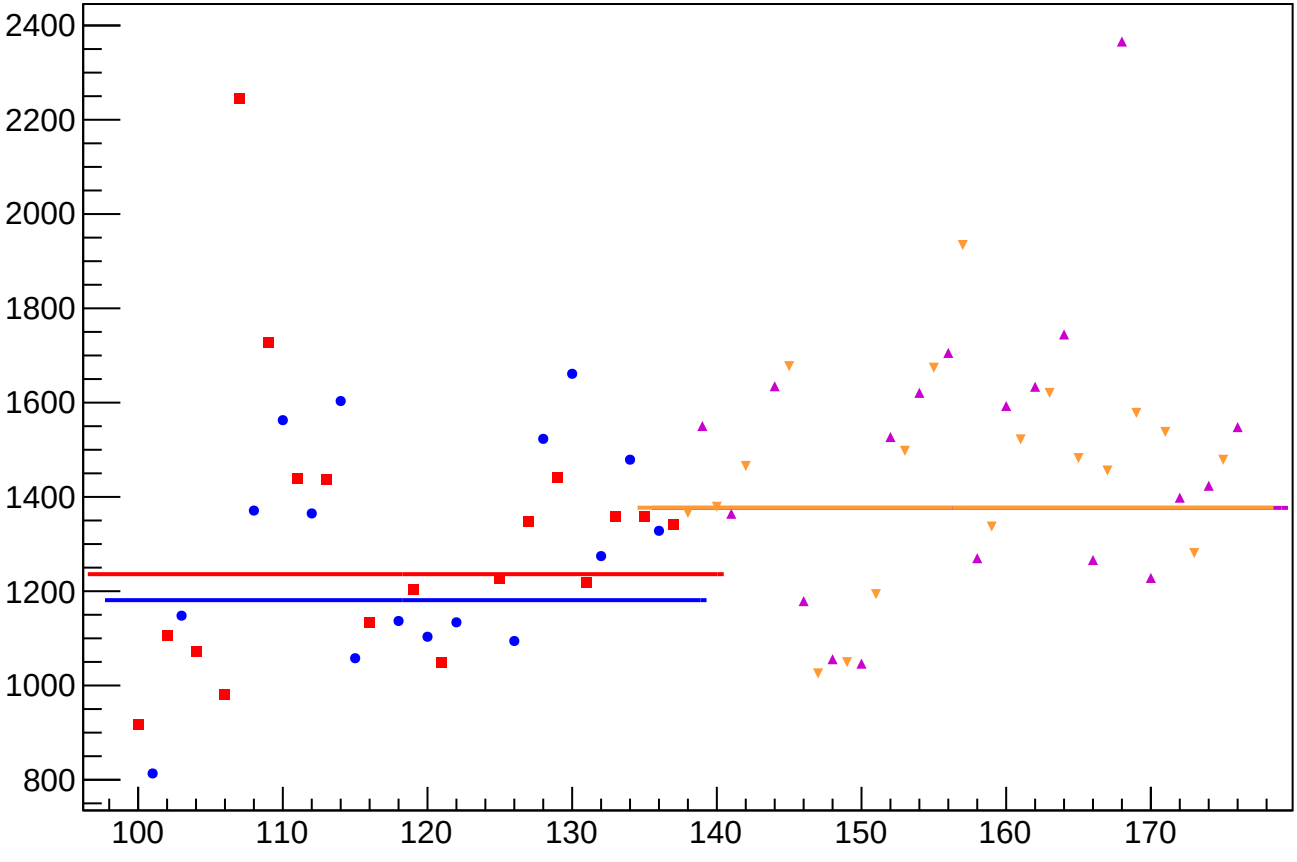
Left In: -94.555+/-356.608 χ^2/NDF:11.4/18

\+ sign -147.252+/-282.002 χ^2/NDF: 40.6/34

All: -92.946+/-199.667 χ^2/NDF: 67.3/71

\- sign -38.354+/-282.744 χ^2/NDF: 26.6/36

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1377.124+/-0.256 χ^2/NDF:771140.3/18

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

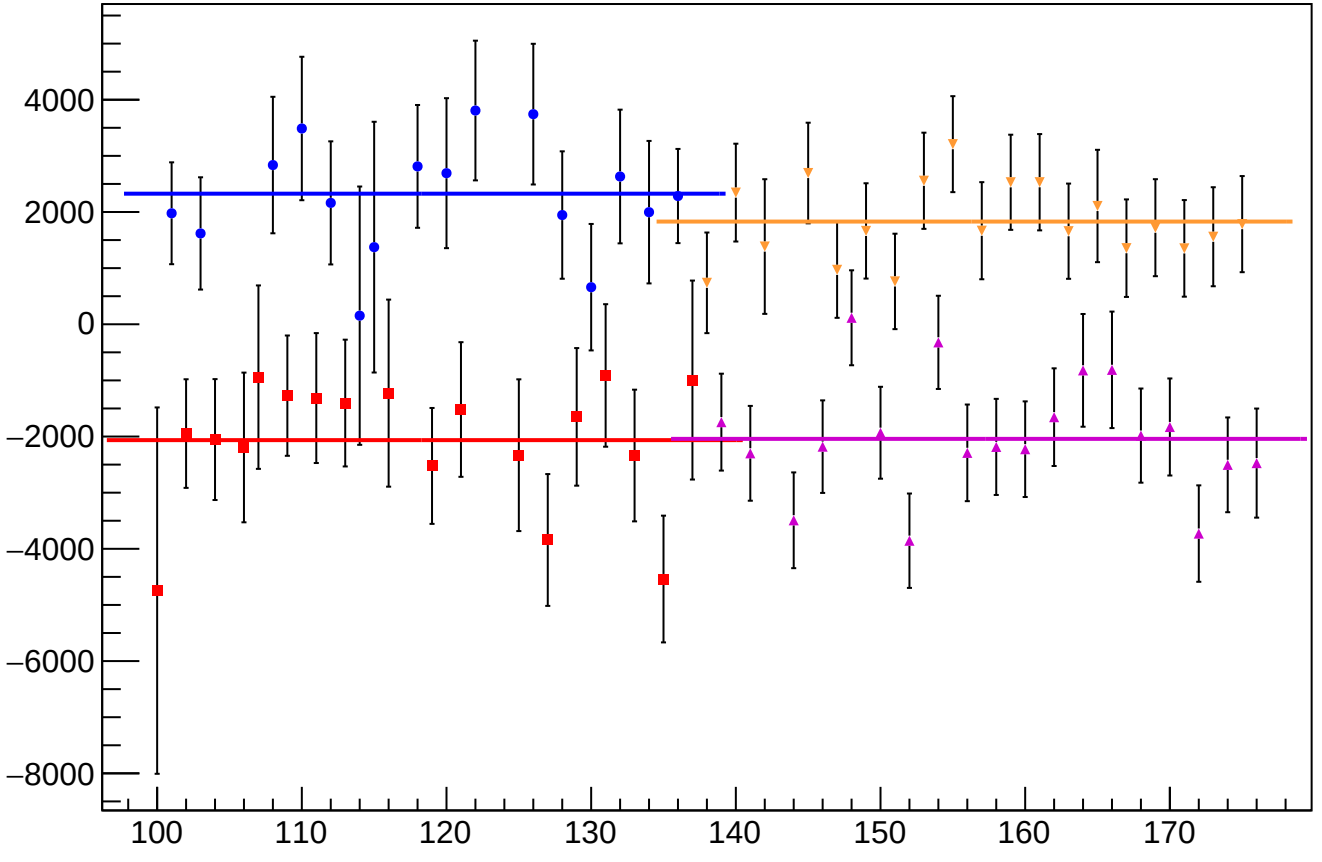
Left In: 1376.748+/-0.252 χ^2/NDF:1053161.5/18

+ sign 1299.943+/-0.199 χ^2/NDF: 1573125.9/34

All: 1312.204+/-0.141 χ^2/NDF: 3146587.4/71

- sign 1324.530+/-0.200 χ^2/NDF: 1565880.0/36

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1829.660+/-201.978 χ^2/NDF:11.1/18

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

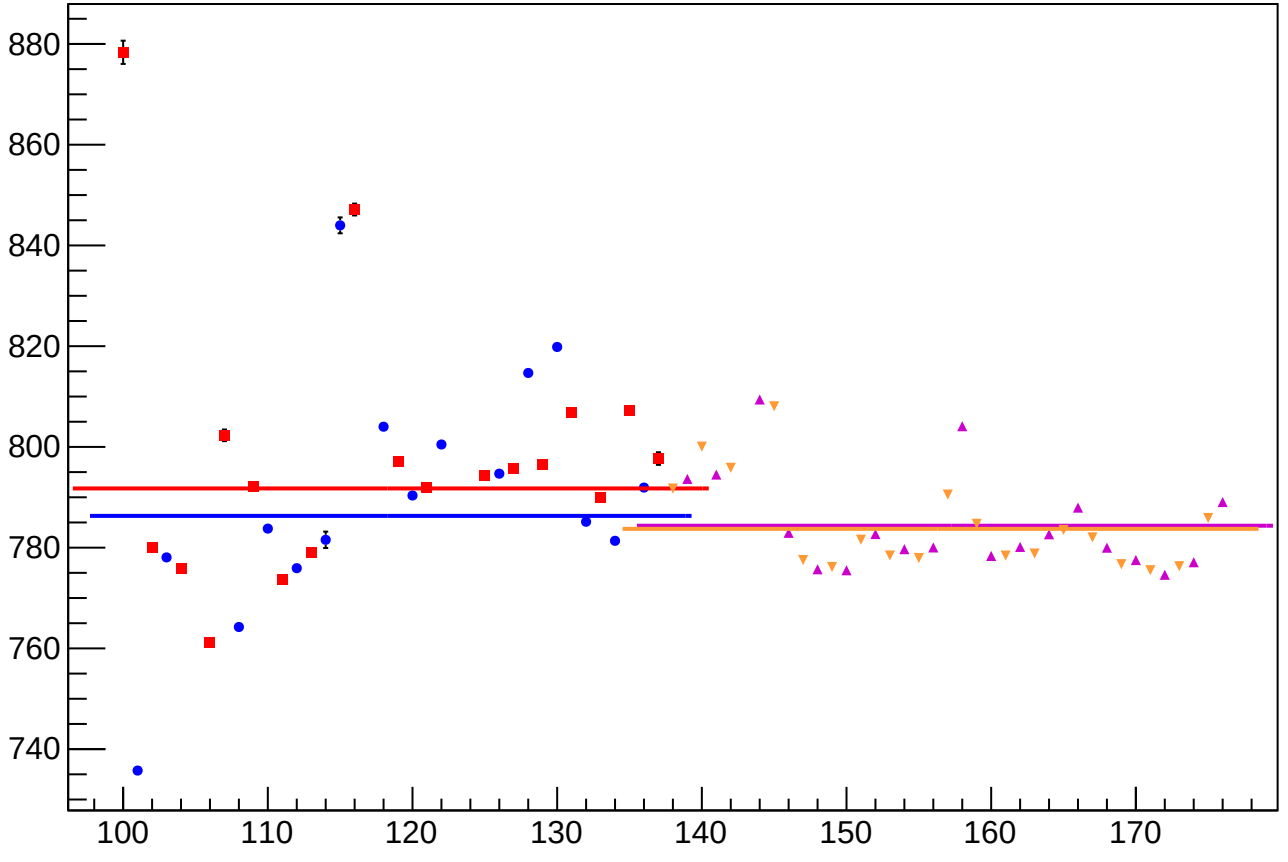
Left In: -2041.533+/-198.981 χ^2/NDF:26.3/18

+ sign 1990.293+/-166.144 χ^2/NDF: 21.2/34

All: -50.555+/-116.858 χ^2/NDF: 357.7/71

- sign -2048.656+/-164.395 χ^2/NDF: 37.9/36

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 783.734+/-0.143 χ^2/NDF:3729.6/18

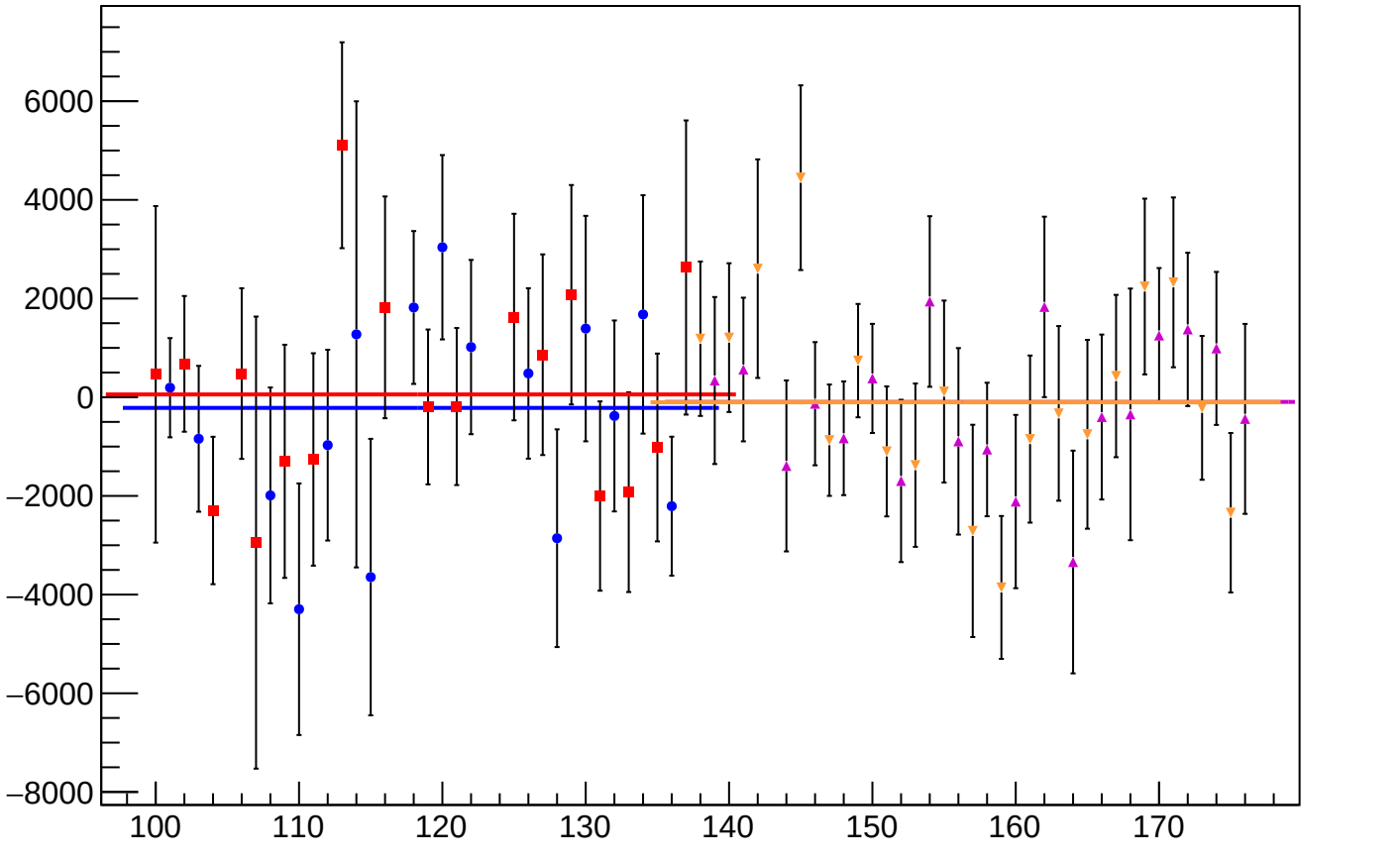
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.356+/-0.141 χ^2/NDF:4686.8/18

+ sign 784.567+/-0.117 χ^2/NDF: 16405.8/34

All: 785.647+/-0.083 χ^2/NDF: 29153.1/71

- sign 786.705+/-0.116 χ^2/NDF: 12579.9/36



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

Left Out: -102.527+/-362.116 χ^2/NDF:25.3/18

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

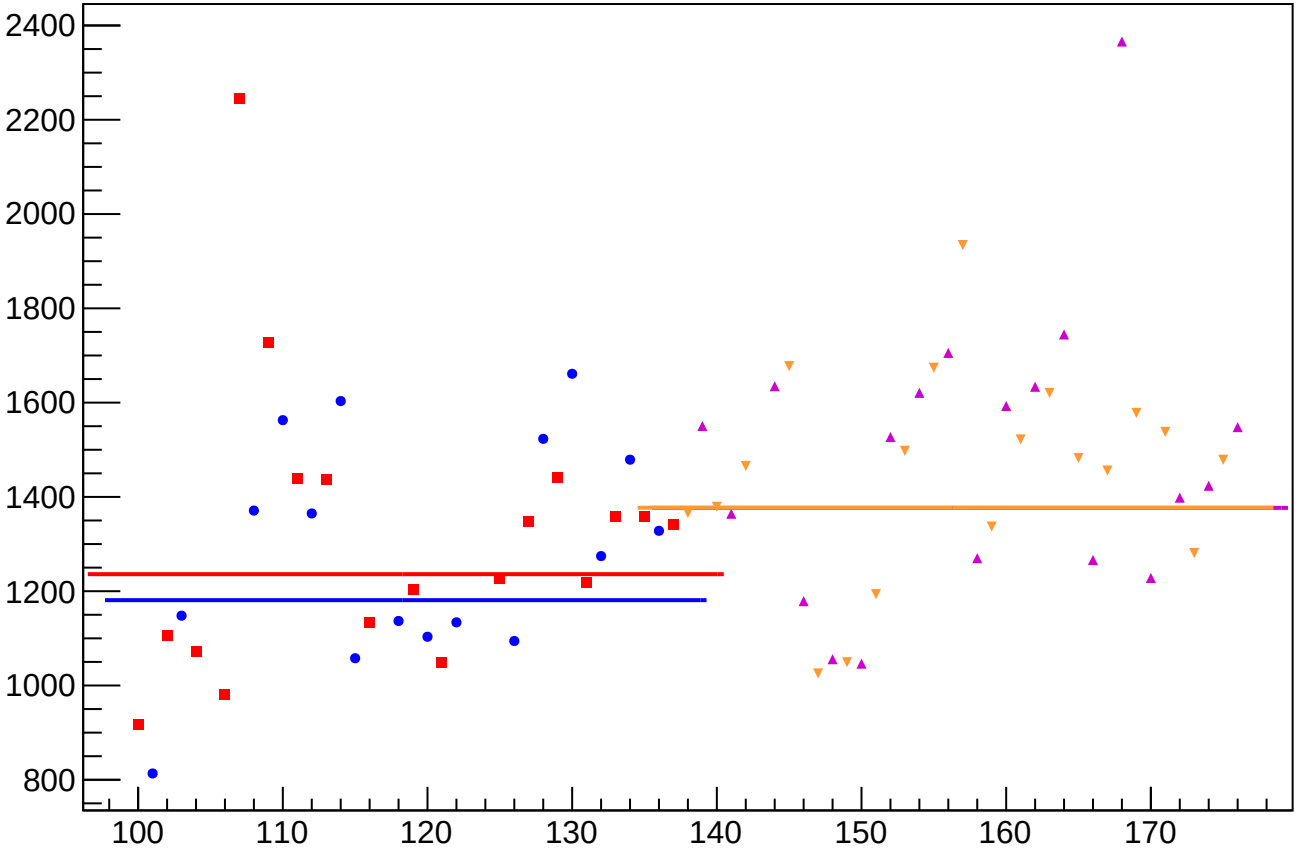
Left In: -94.556+/-356.609 χ^2/NDF:11.4/18

\+ sign -147.254+/-282.002 χ^2/NDF: 40.6/34

All: -92.947+/-199.667 χ^2/NDF: 67.3/71

\- sign -38.355+/-282.744 χ^2/NDF: 26.6/36

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1377.127+/-0.256 χ^2/NDF:771142.0/18

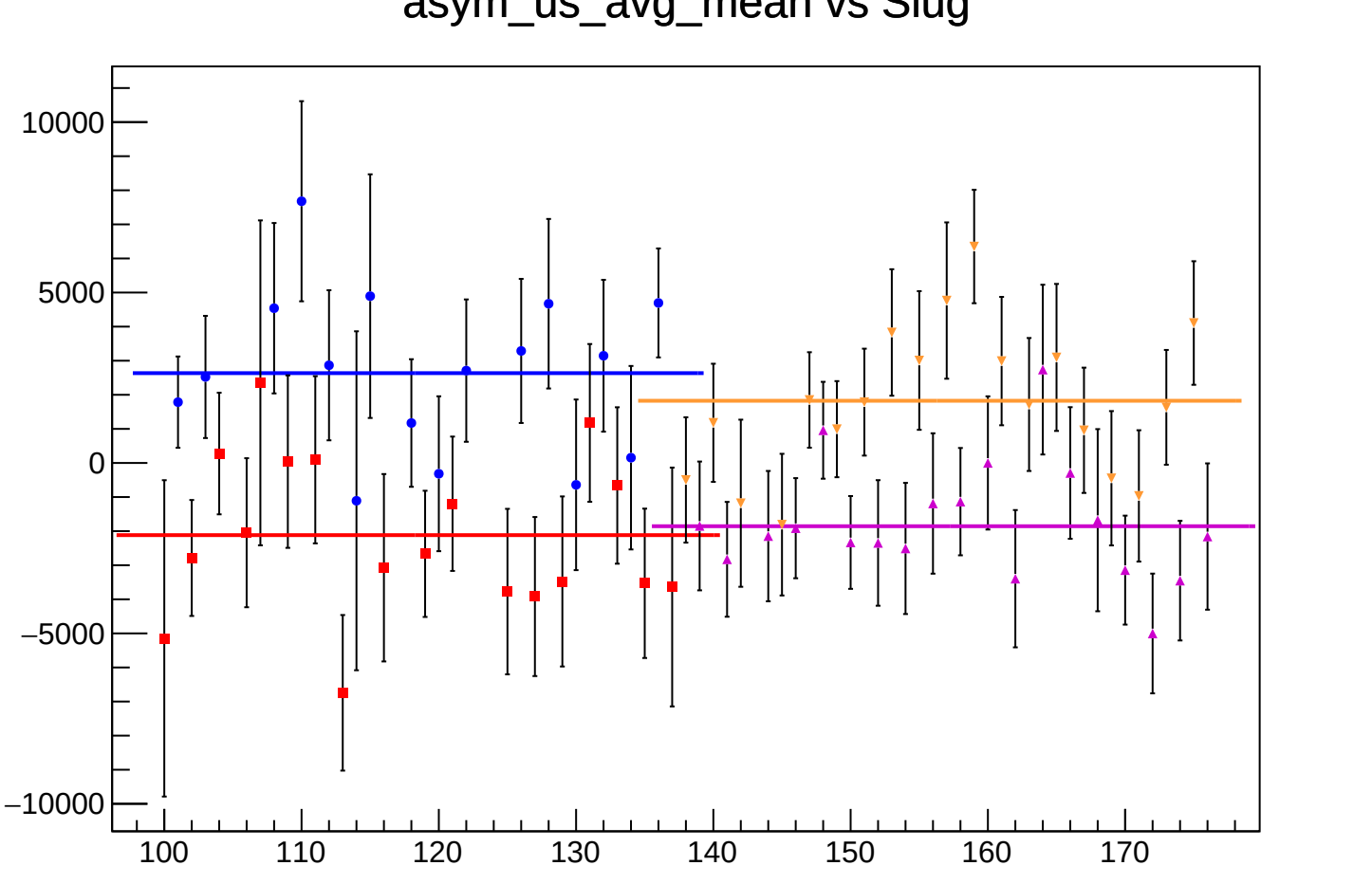
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1376.750+/-0.252 χ^2/NDF:1053162.2/18

+ sign 1299.943+/-0.199 χ^2/NDF: 1573138.9/34

All: 1312.204+/-0.141 χ^2/NDF: 3146609.8/71

- sign 1324.530+/-0.200 χ^2/NDF: 1565889.3/36



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

Left Out: 1824.739+/-416.317 χ^2/NDF:23.2/18

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

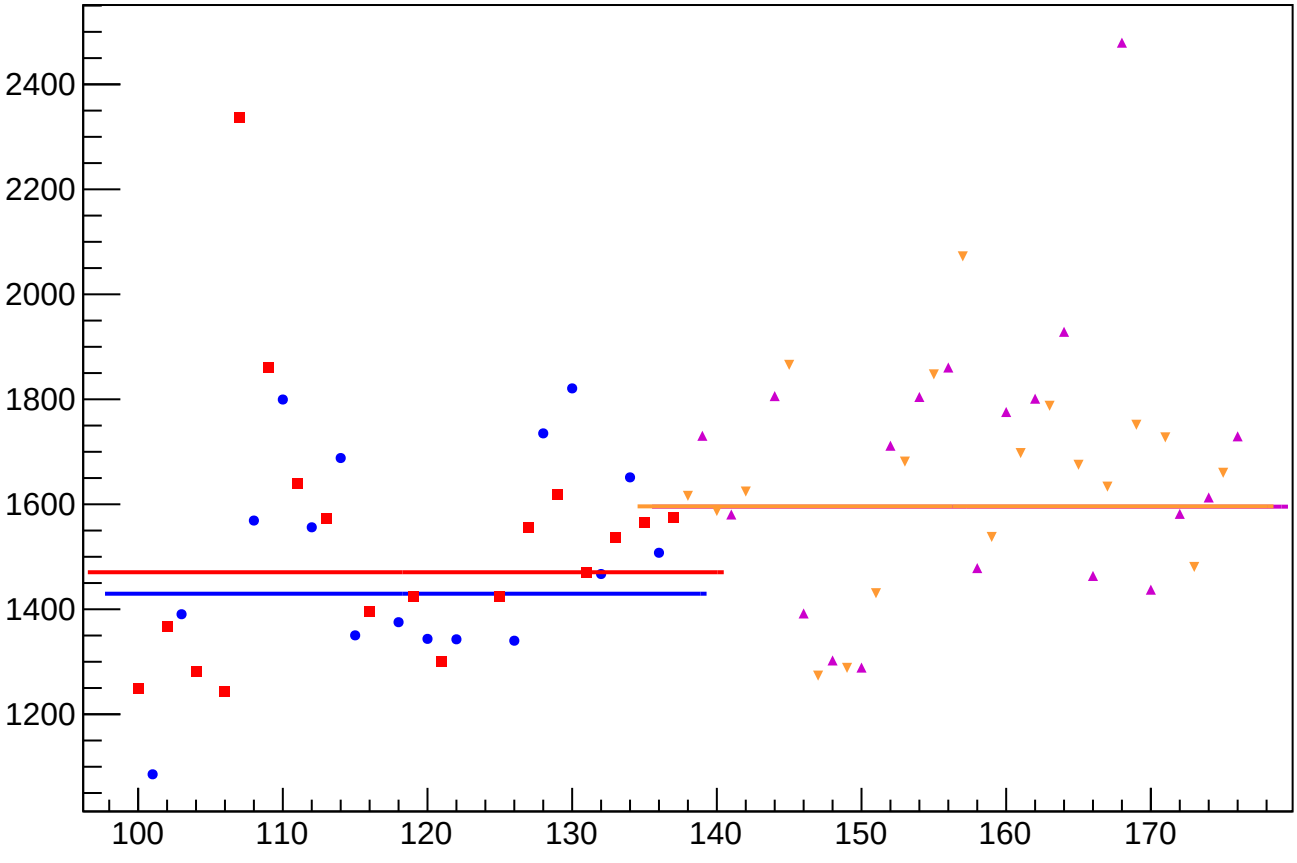
Left In: -1855.693+/-410.183 χ^2/NDF:15.2/18

+ sign 2128.332+/-329.259 χ^2/NDF: 36.9/34

All: 83.186+/-232.471 χ^2/NDF: 142.8/71

- sign -1949.695+/-328.270 χ^2/NDF: 29.0/36

asym_us_avg_rms vs Slug



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

Left Out: 1596.056+/-0.294 χ^2/NDF:443511.1/18

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

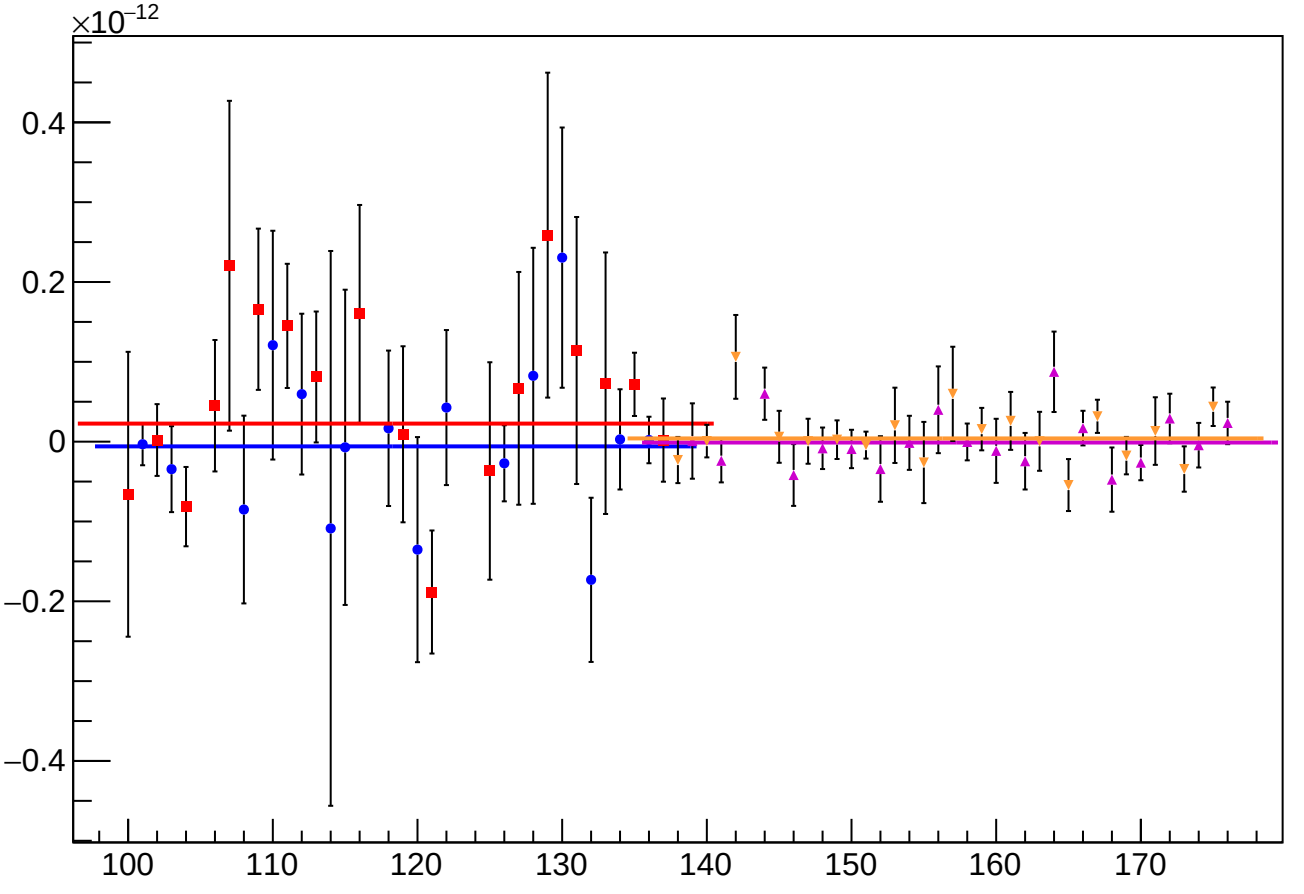
Left In: 1595.502+/-0.290 χ^2/NDF:664703.4/18

+ sign 1533.738+/-0.233 χ^2/NDF: 856560.8/34

All: 1542.187+/-0.164 χ^2/NDF: 1808665.8/71

- sign 1550.585+/-0.232 χ^2/NDF: 949479.0/36

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:17.3/18

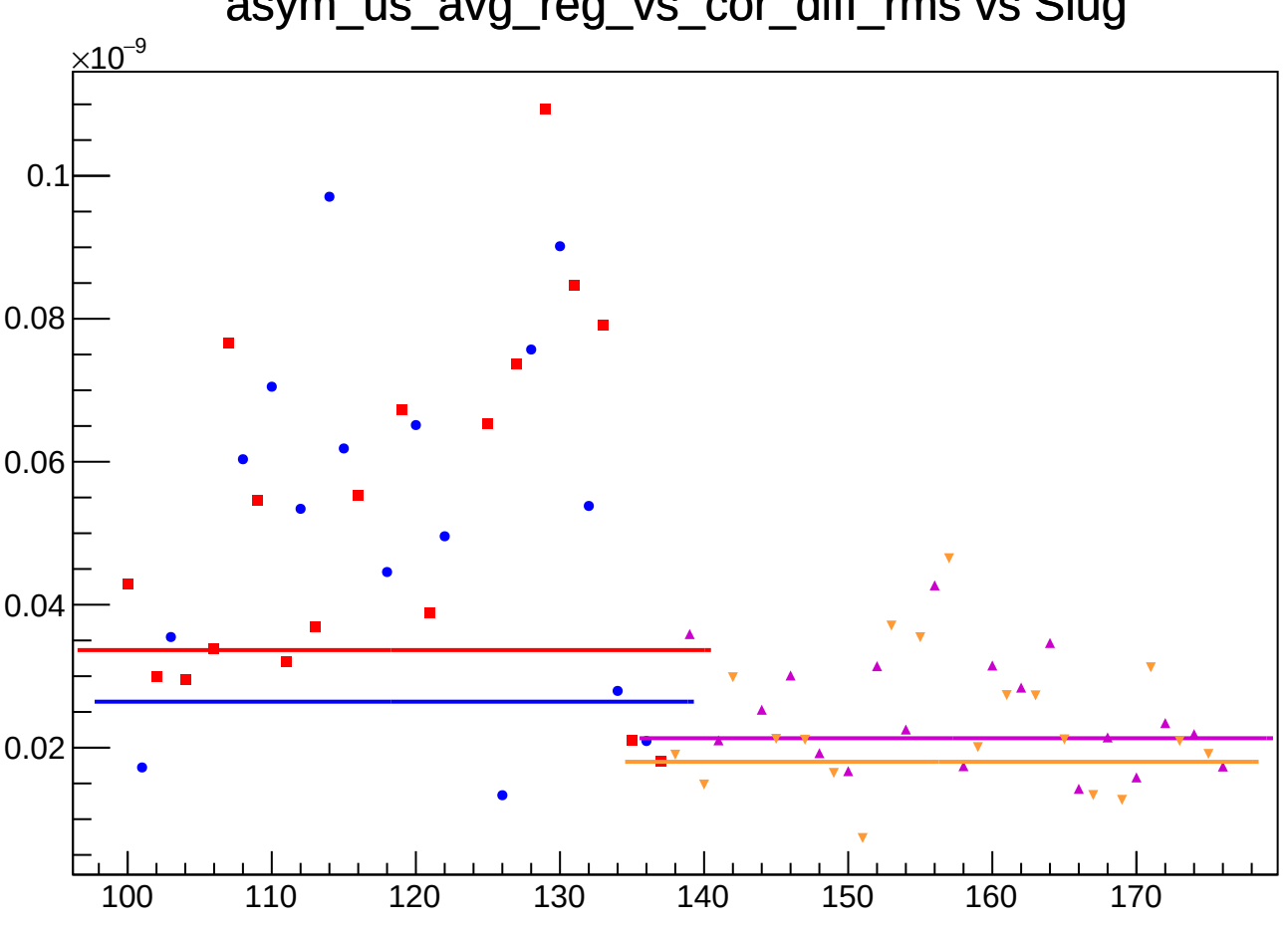
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:15.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 26.2/34

All: 0.000+/-0.000 χ^2/NDF: 66.2/71

- sign 0.000+/-0.000 χ^2/NDF: 40.0/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:2742254.3/18

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

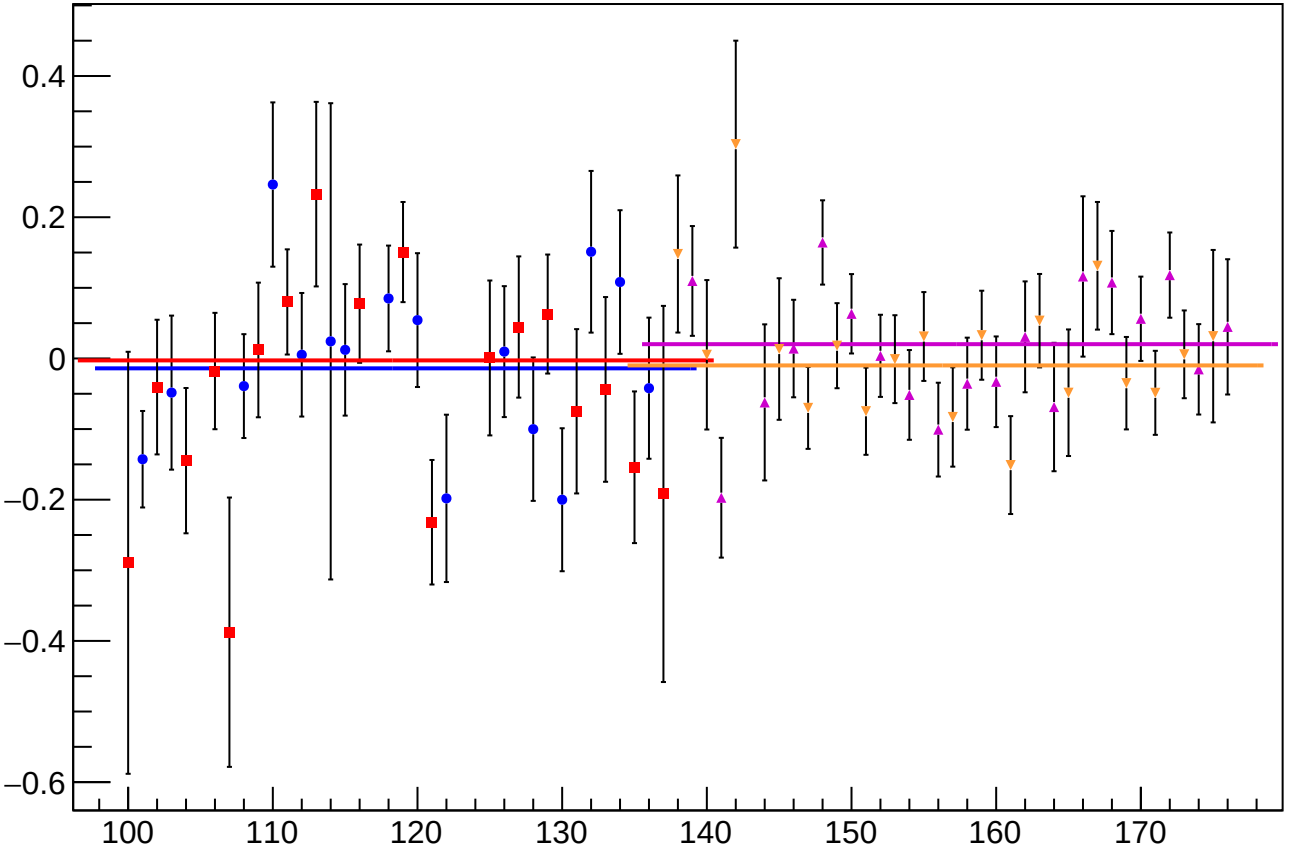
Left In: 0.000+/-0.000 χ^2/NDF:1638262.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 5399990.7/34

All: 0.000+/-0.000 χ^2/NDF: 9881932.0/71

- sign 0.000+/-0.000 χ^2/NDF: 4151969.2/36

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.010+/-0.017 χ^2/NDF:19.5/18

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

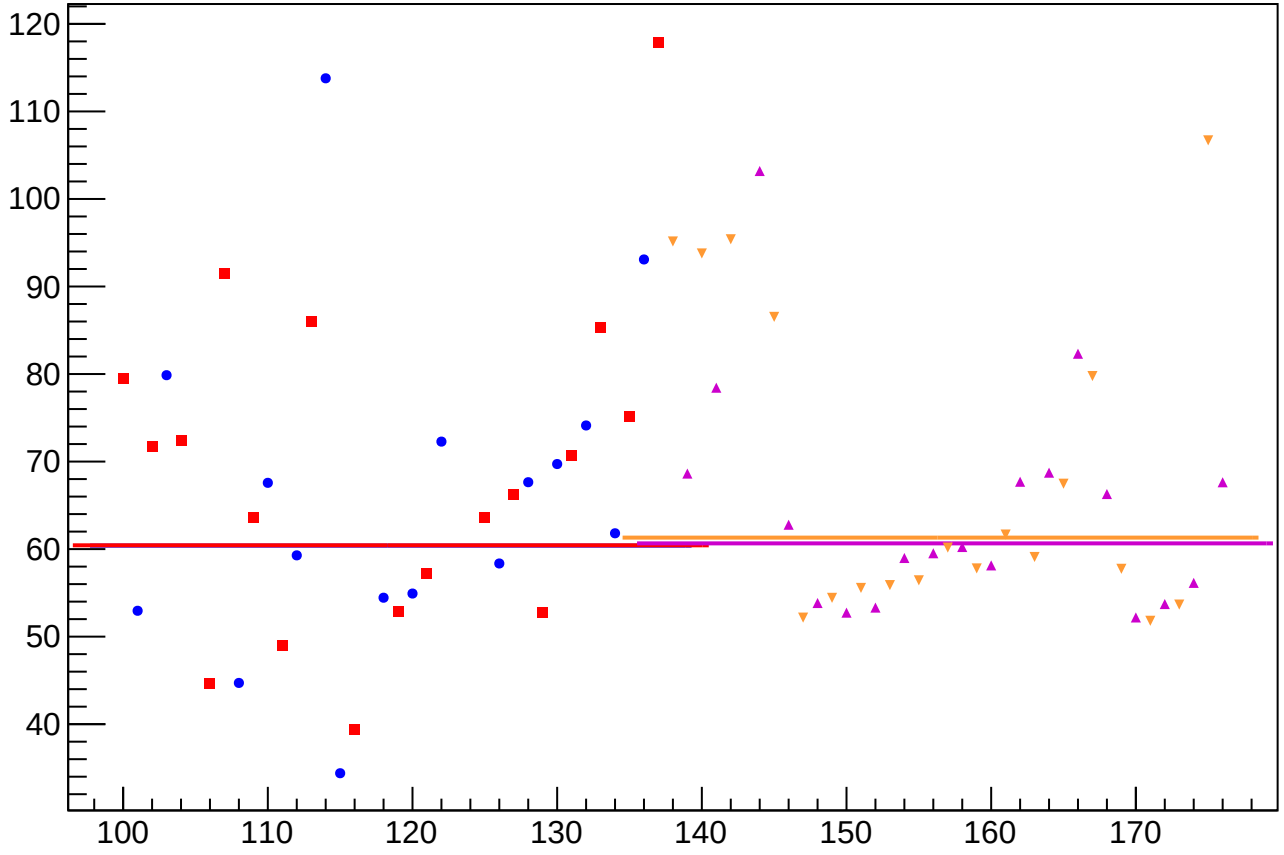
Left In: 0.020+/-0.016 χ^2/NDF:27.5/18

+ sign -0.011+/-0.014 χ^2/NDF: 40.8/34

All: 0.001+/-0.010 χ^2/NDF: 98.3/71

- sign 0.013+/-0.013 χ^2/NDF: 55.9/36

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 61.313+/-0.012 χ^2/NDF:1193613.5/18

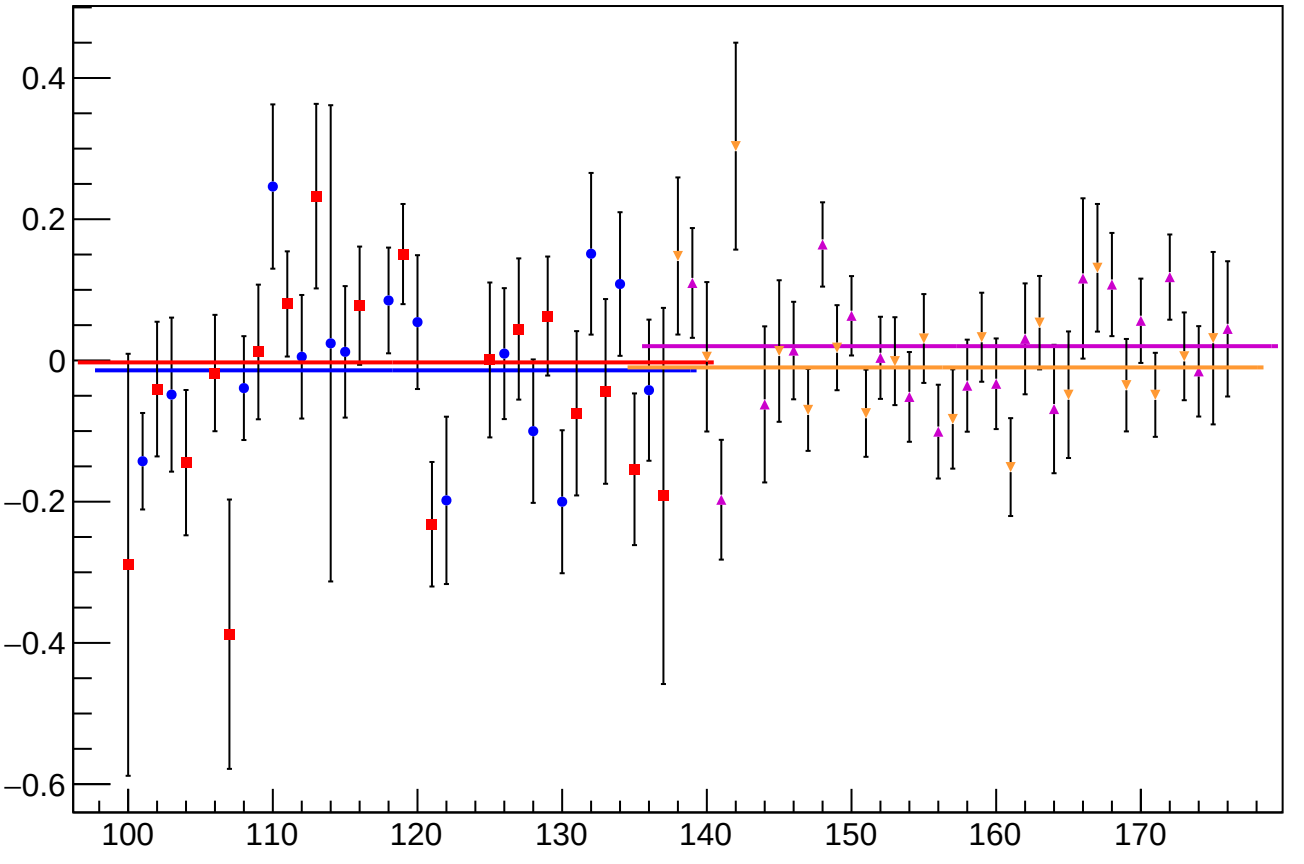
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 60.655+/-0.011 χ^2/NDF:713470.3/18

+ sign 61.016+/-0.010 χ^2/NDF: 1898747.8/34

All: 60.796+/-0.007 χ^2/NDF: 3324450.6/71

- sign 60.586+/-0.009 χ^2/NDF: 1424681.8/36



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

Left Out: -0.010+/-0.017 χ^2/NDF:19.5/18

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

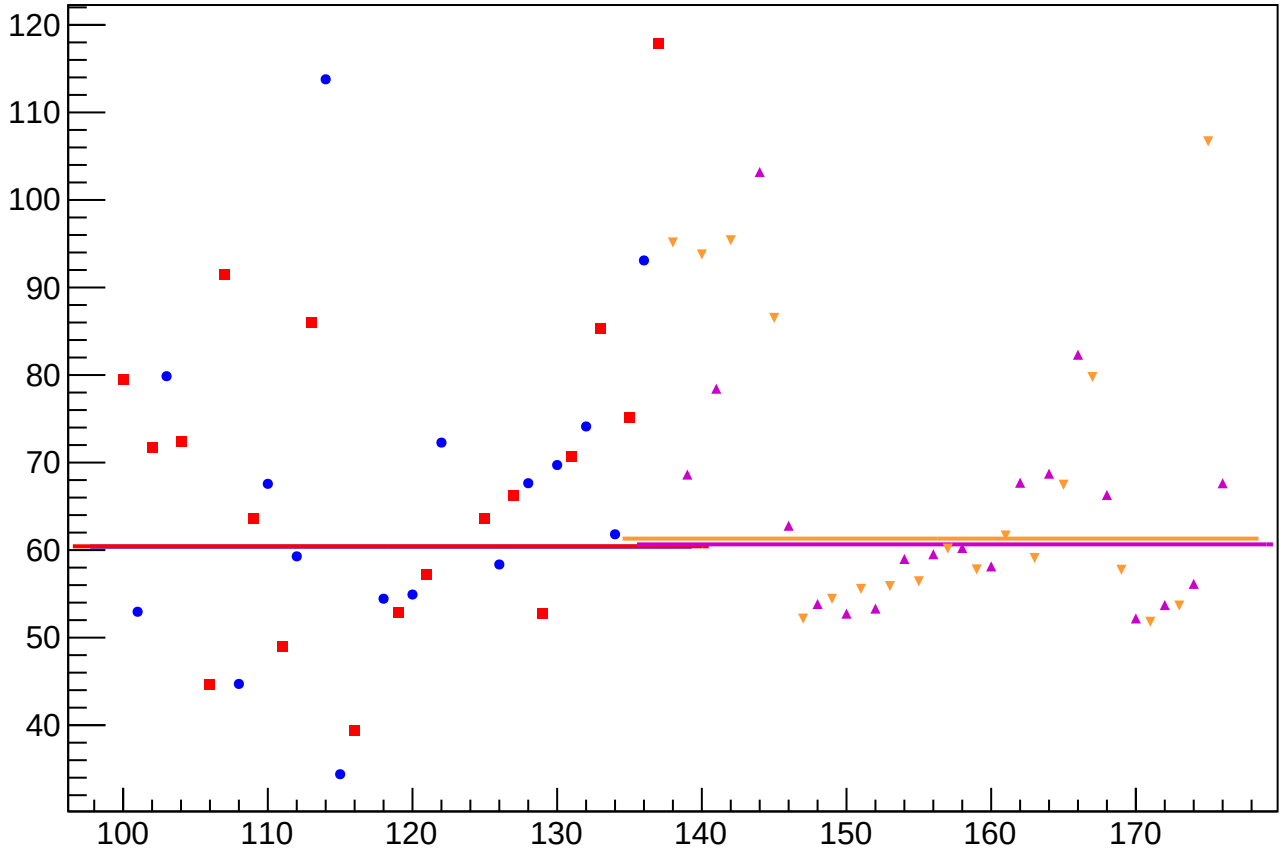
Left In: 0.020+/-0.016 χ^2/NDF:27.5/18

+ sign -0.011+/-0.014 χ^2/NDF: 40.8/34

All: 0.001+/-0.010 χ^2/NDF: 98.3/71

- sign 0.013+/-0.013 χ^2/NDF: 55.9/36

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: 61.313+/-0.012 χ^2/NDF:1193613.5/18

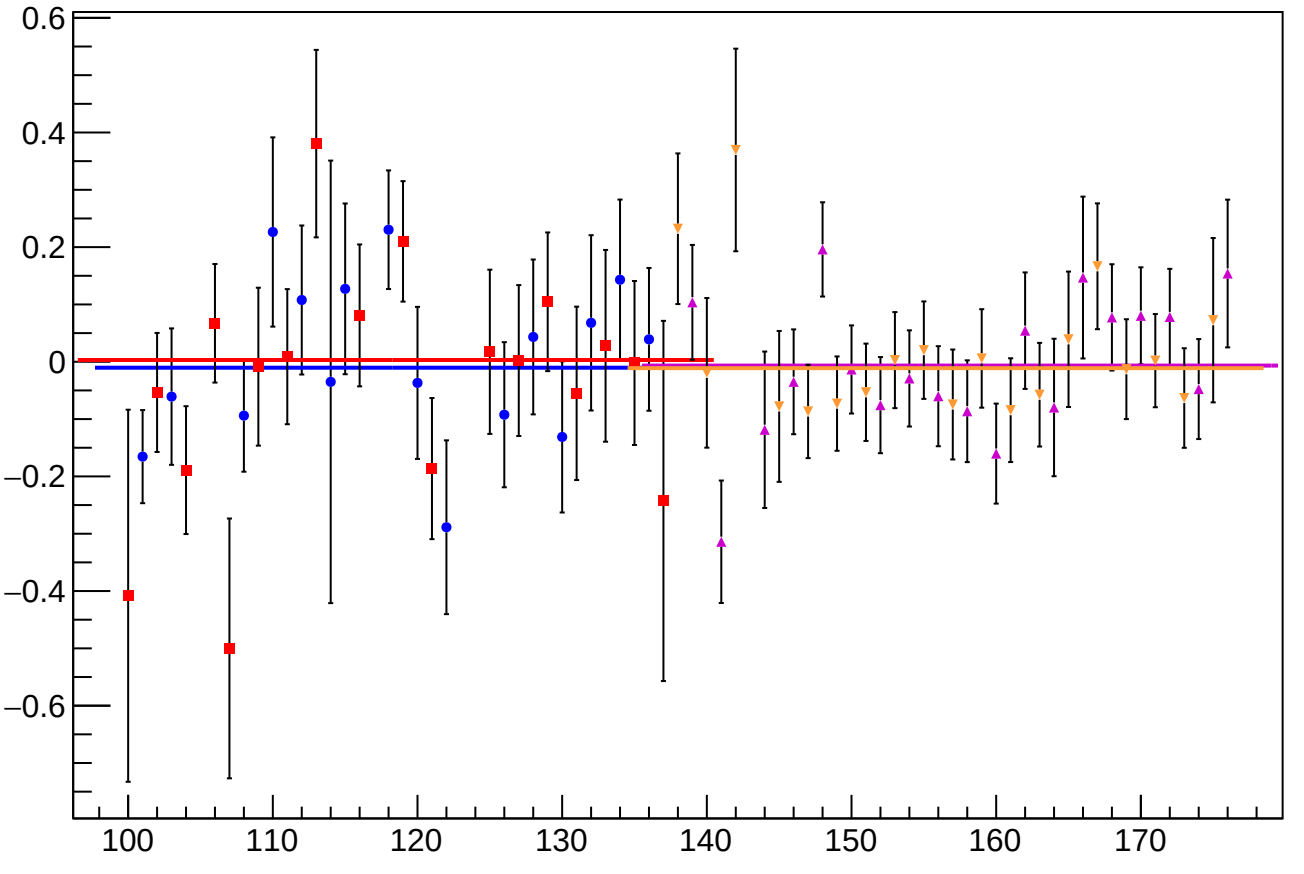
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 60.655+/-0.011 χ^2/NDF:713470.3/18

+ sign 61.016+/-0.010 χ^2/NDF: 1898747.8/34

All: 60.796+/-0.007 χ^2/NDF: 3324450.6/71

- sign 60.586+/-0.009 χ^2/NDF: 1424681.8/36



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

Left Out: -0.011+/-0.022 χ^2/NDF:15.1/18

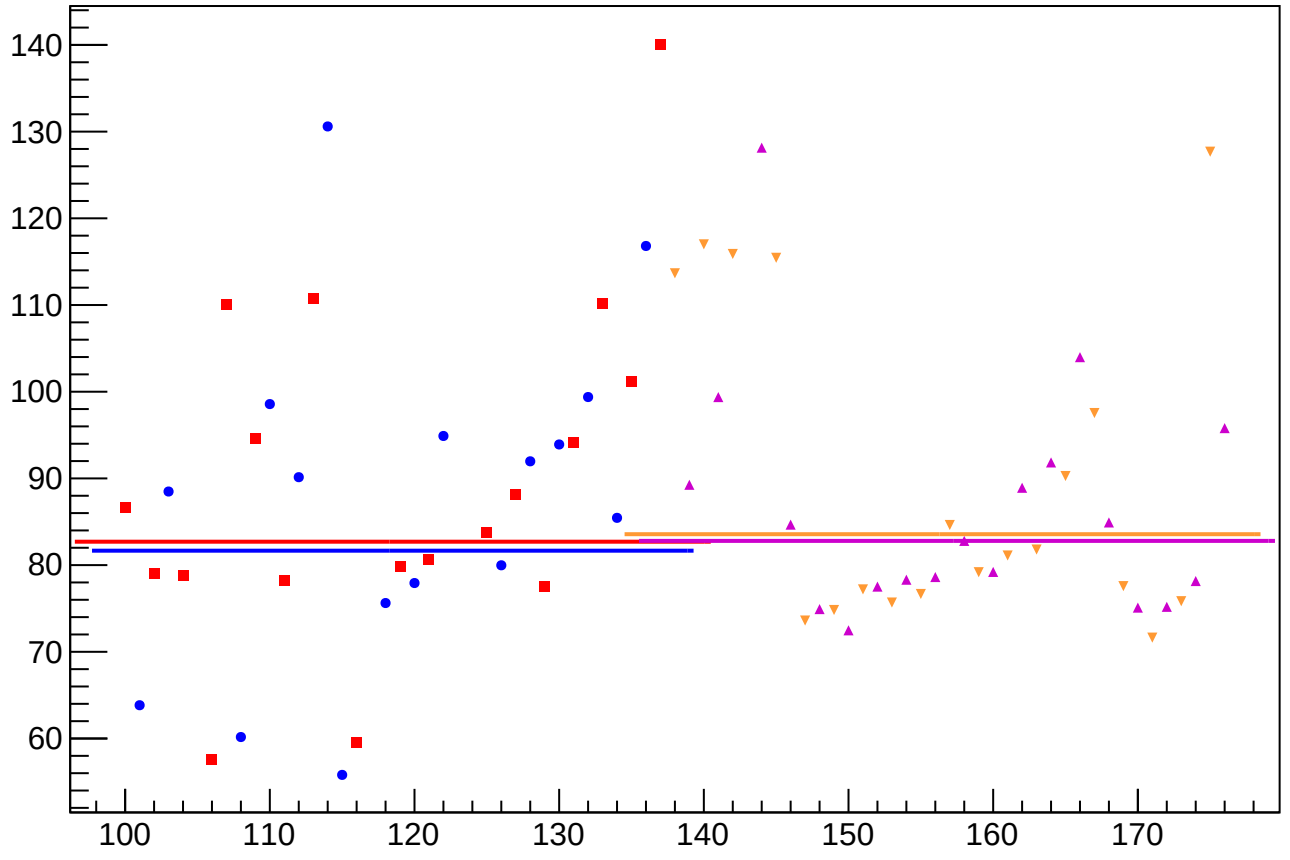
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.007+/-0.022 χ^2/NDF:28.0/18

+ sign -0.011+/-0.018 χ^2/NDF: 35.2/34

All: -0.007+/-0.013 χ^2/NDF: 87.0/71

- sign -0.004+/-0.018 χ^2/NDF: 51.7/36



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

Left Out: 83.566+/-0.016 χ^2/NDF:819107.0/18

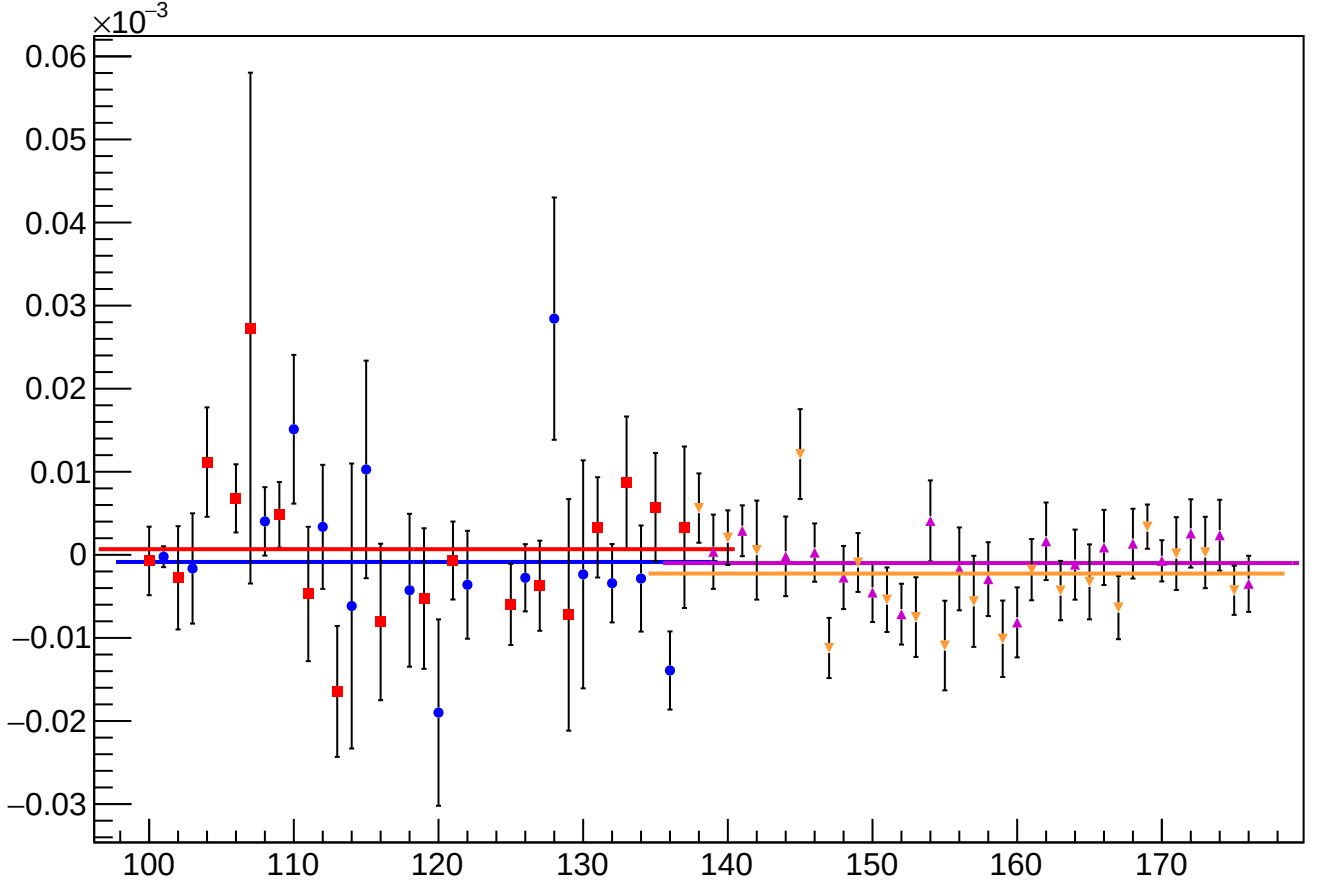
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 82.793+/-0.015 χ^2/NDF:477989.7/18

+ sign 82.938+/-0.013 χ^2/NDF: 1385807.9/34

All: 82.850+/-0.009 χ^2/NDF: 2336968.0/71

- sign 82.764+/-0.013 χ^2/NDF: 951067.0/36



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.7/18

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

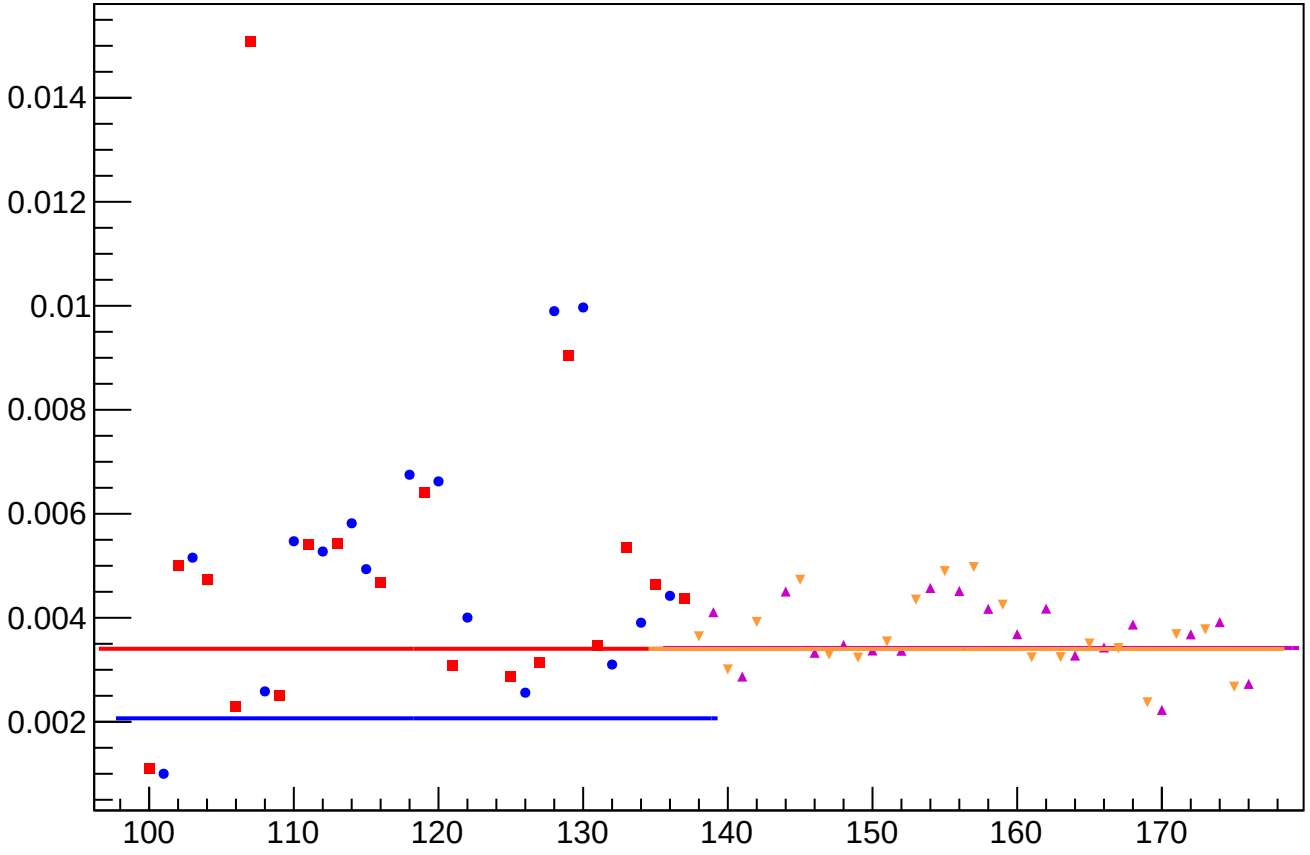
Left In: -0.000+/-0.000 χ^2/NDF:12.8/18

+ sign -0.000+/-0.000 χ^2/NDF: 56.1/34

All: -0.000+/-0.000 χ^2/NDF: 89.4/71

- sign -0.000+/-0.000 χ^2/NDF: 32.1/36

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:1096805.0/18

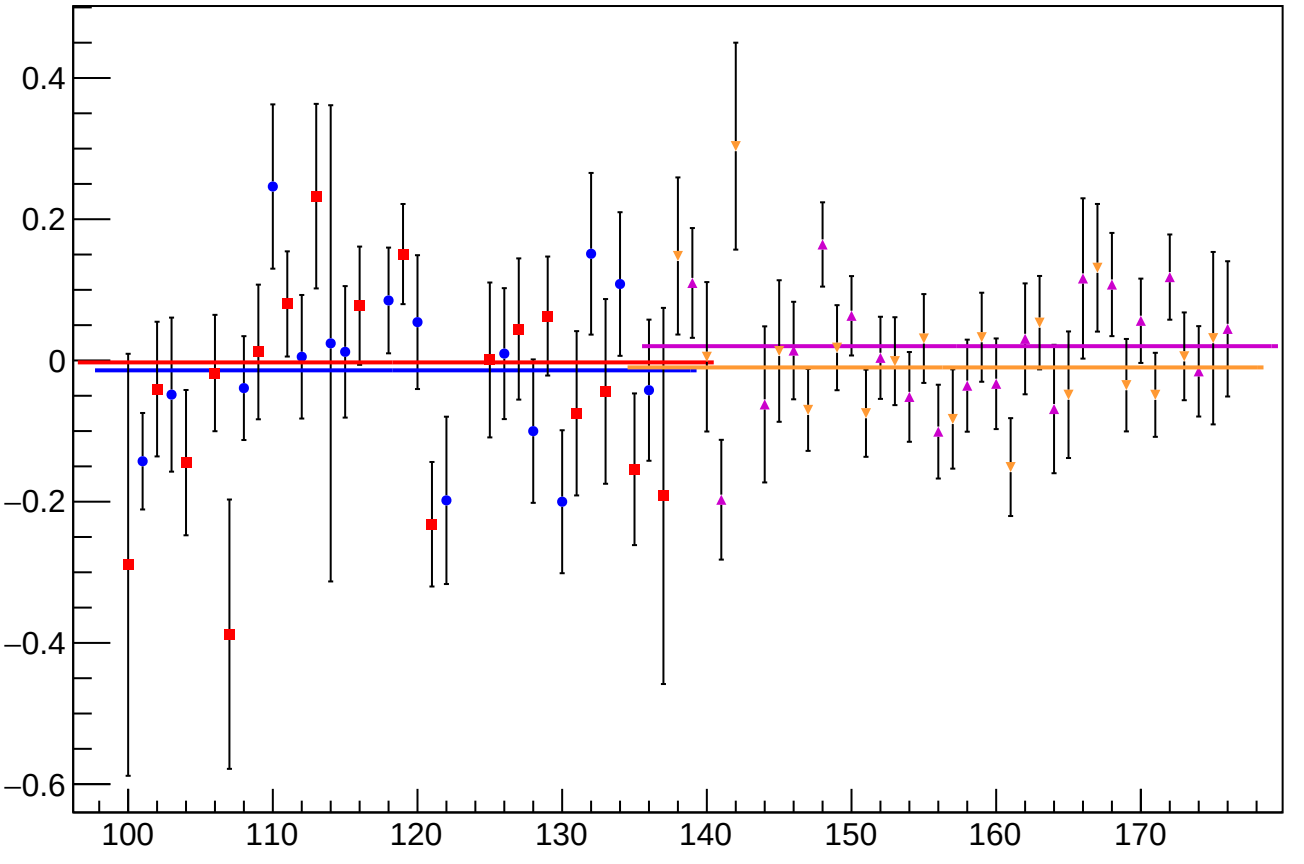
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:1149015.9/18

+ sign 0.003+/-0.000 χ^2/NDF: 8852257.4/34

All: 0.003+/-0.000 χ^2/NDF: 13217291.3/71

- sign 0.003+/-0.000 χ^2/NDF: 3640482.4/36



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

Left Out: -0.010+/-0.017 χ^2/NDF:19.5/18

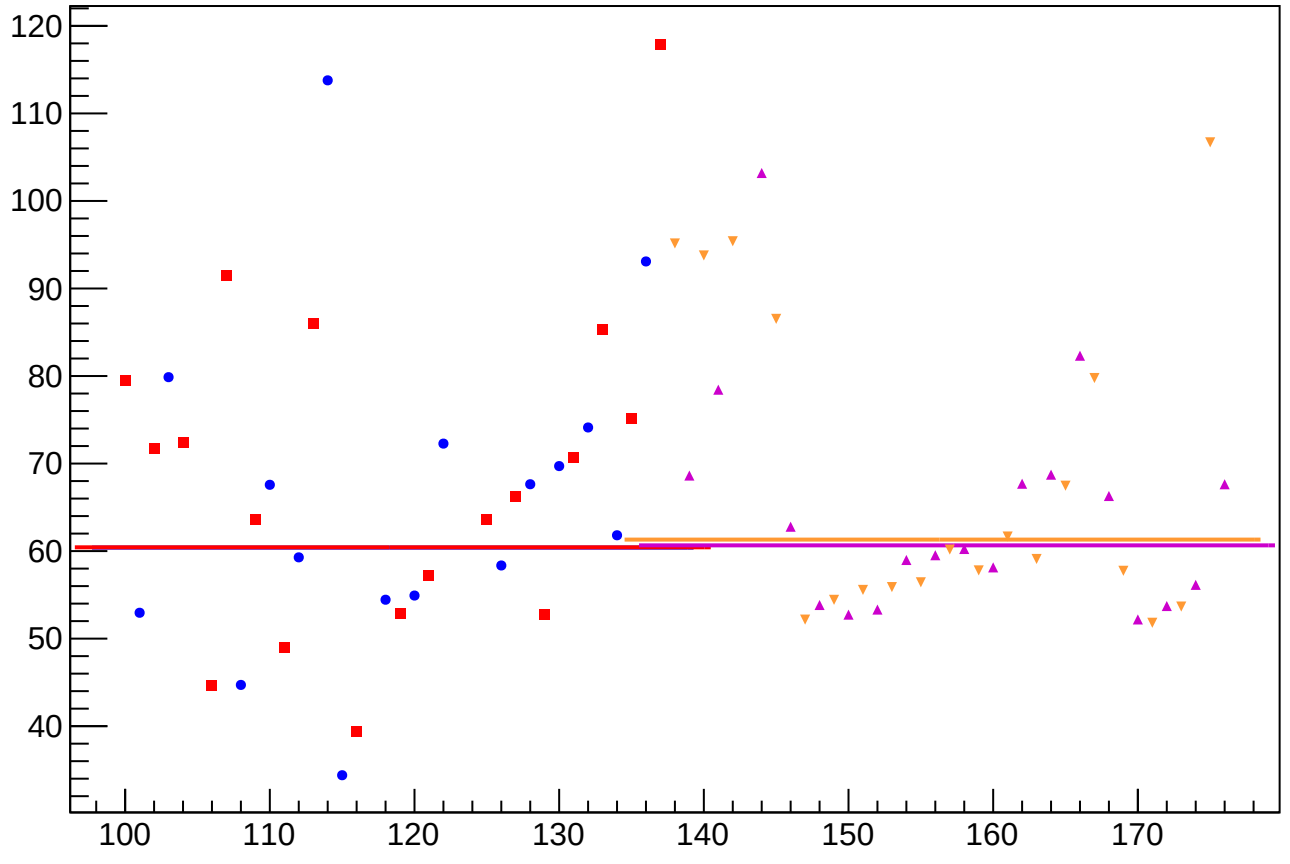
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.020+/-0.016 χ^2/NDF:27.5/18

+ sign -0.011+/-0.014 χ^2/NDF: 40.8/34

All: 0.001+/-0.010 χ^2/NDF: 98.3/71

- sign 0.013+/-0.013 χ^2/NDF: 55.9/36



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

Left Out: 61.313+/-0.012 χ^2/NDF:1193602.9/18

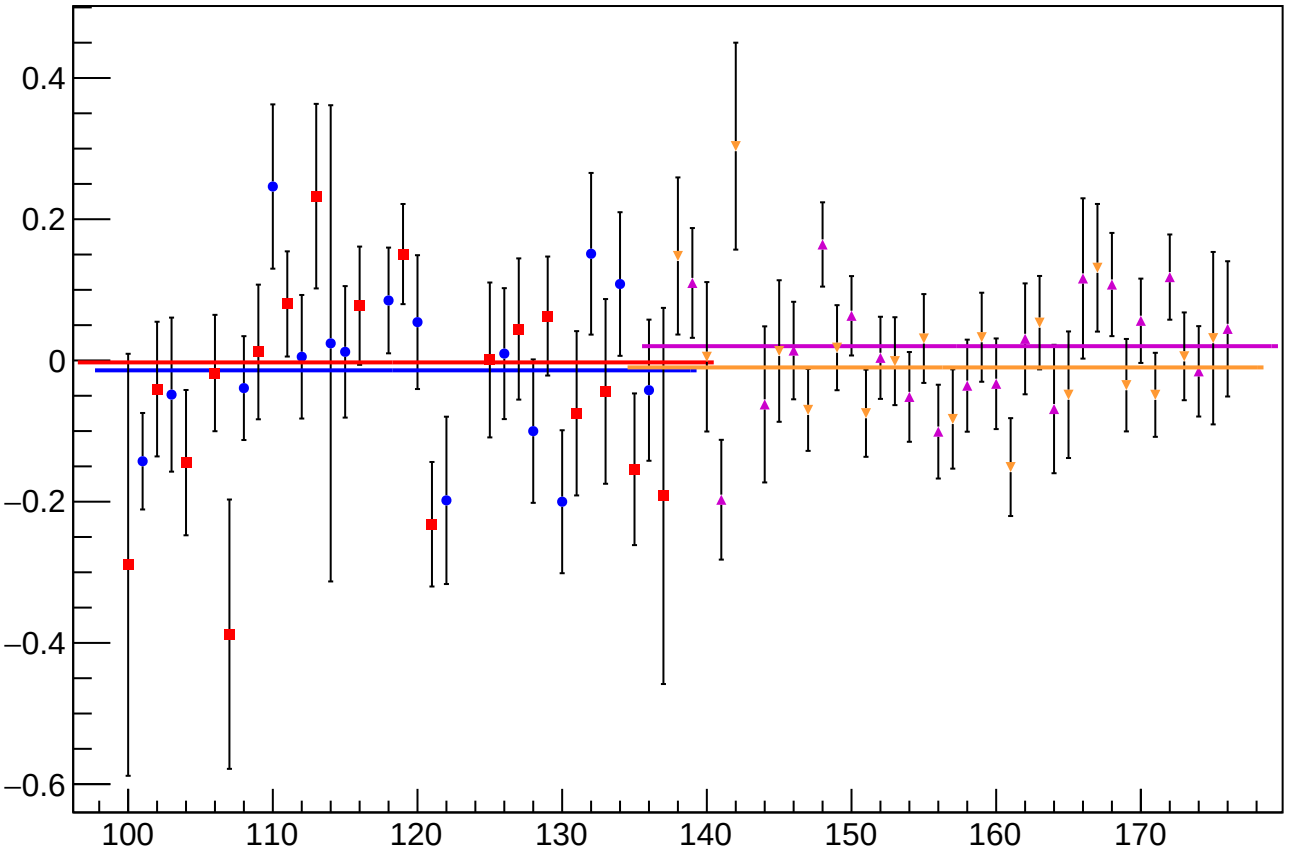
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 60.655+/-0.011 χ^2/NDF:713457.6/18

+ sign 61.015+/-0.010 χ^2/NDF: 1898757.2/34

All: 60.795+/-0.007 χ^2/NDF: 3324478.9/71

- sign 60.585+/-0.009 χ^2/NDF: 1424700.2/36



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

Left Out: -0.010+/-0.017 χ^2/NDF:19.5/18

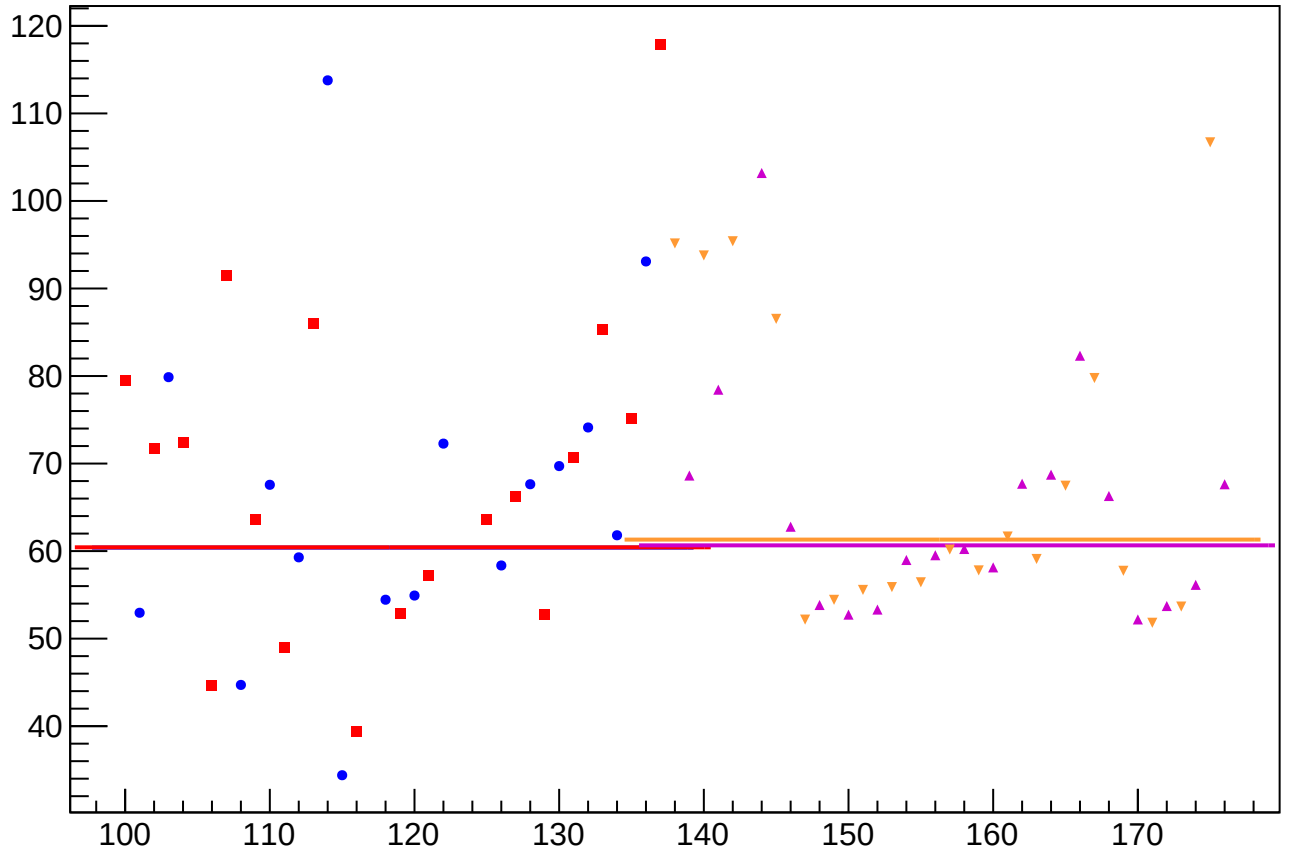
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.020+/-0.016 χ^2/NDF:27.5/18

+ sign -0.011+/-0.014 χ^2/NDF: 40.8/34

All: 0.001+/-0.010 χ^2/NDF: 98.3/71

- sign 0.013+/-0.013 χ^2/NDF: 55.9/36



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

Left Out: 61.313+/-0.012 χ^2/NDF:1193602.9/18

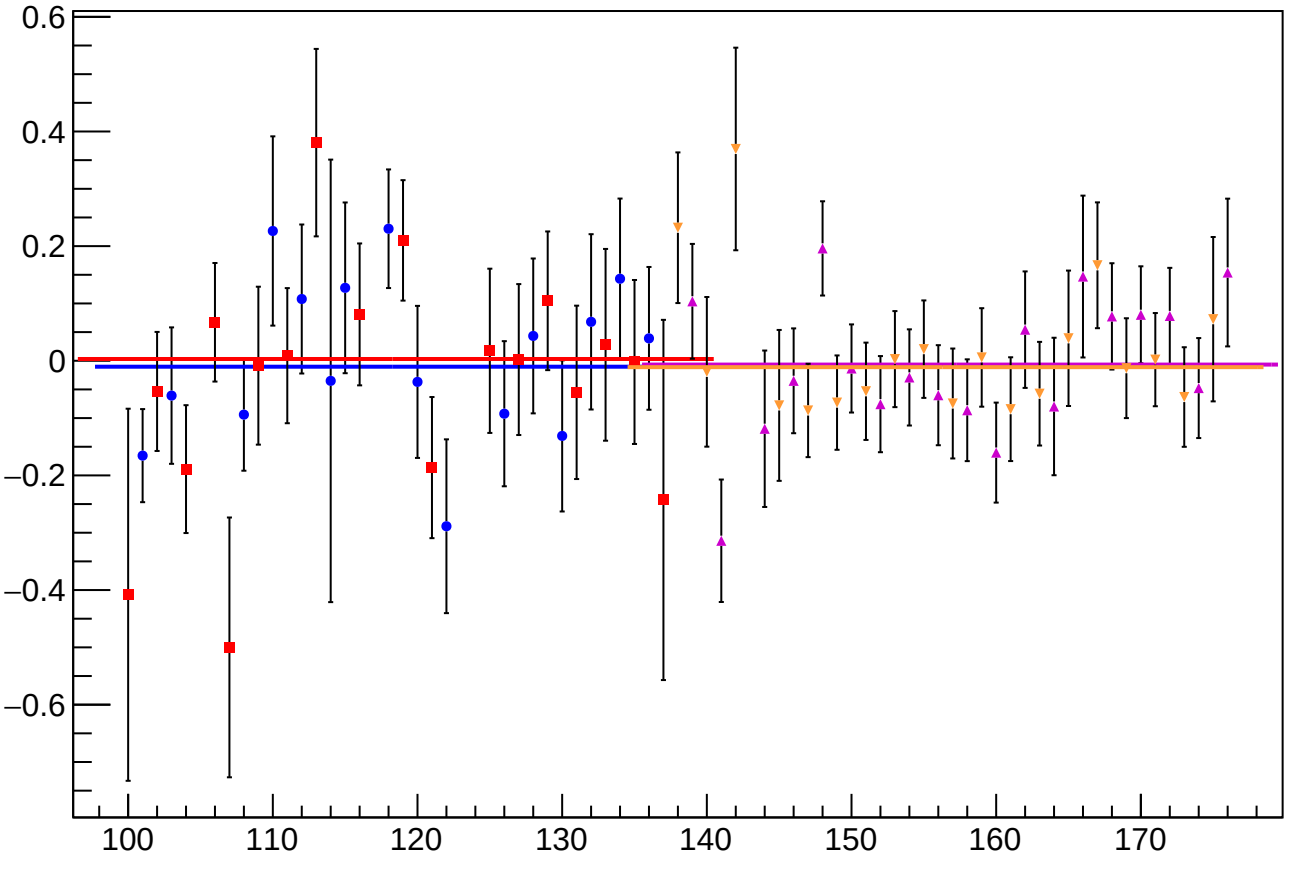
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 60.655+/-0.011 χ^2/NDF:713457.6/18

+ sign 61.015+/-0.010 χ^2/NDF: 1898757.2/34

All: 60.795+/-0.007 χ^2/NDF: 3324478.9/71

- sign 60.585+/-0.009 χ^2/NDF: 1424700.2/36



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

Left Out: -0.011+/-0.022 χ^2/NDF:15.1/18

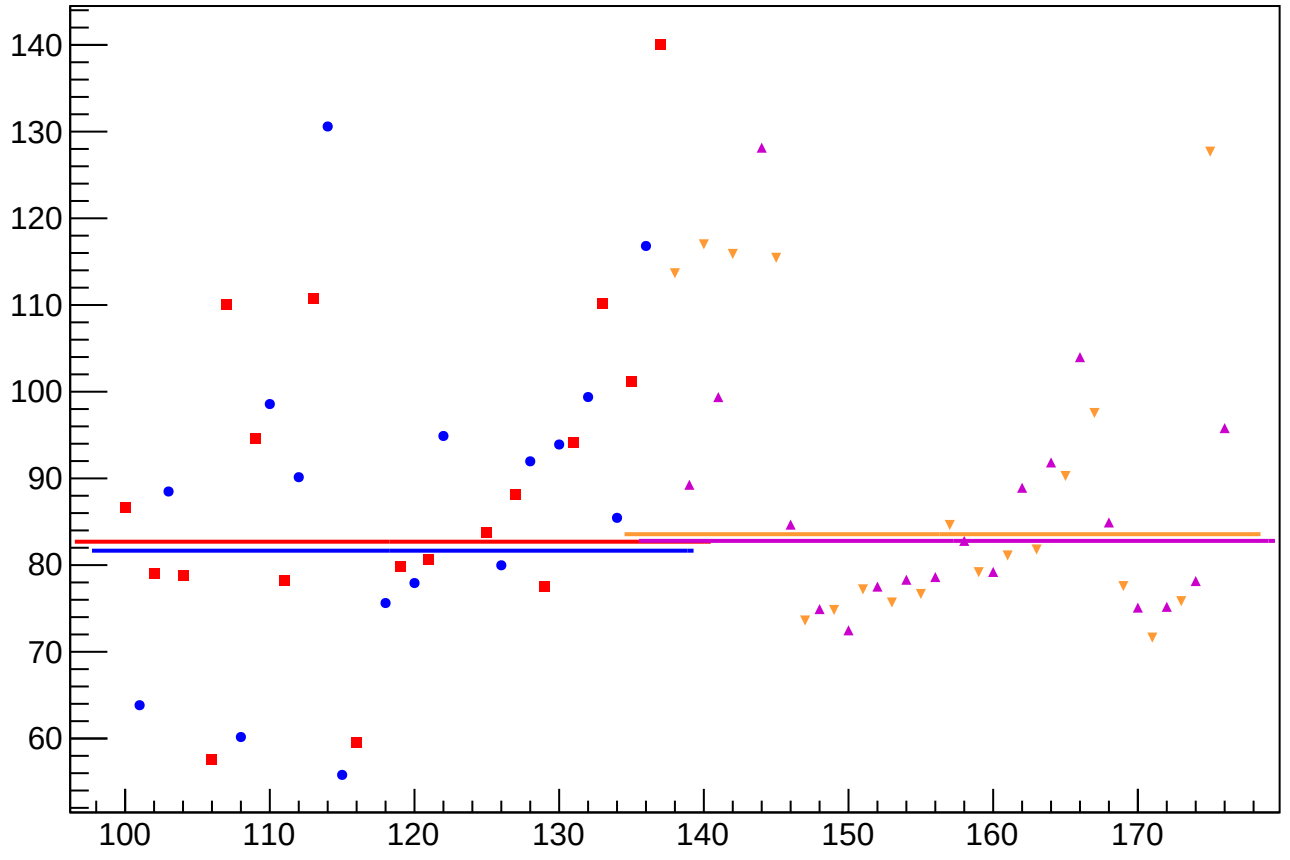
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.007+/-0.022 χ^2/NDF:28.0/18

+ sign -0.011+/-0.018 χ^2/NDF: 35.2/34

All: -0.007+/-0.013 χ^2/NDF: 87.0/71

- sign -0.004+/-0.018 χ^2/NDF: 51.7/36



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

Left Out: 83.566+/-0.016 χ^2/NDF:819101.2/18

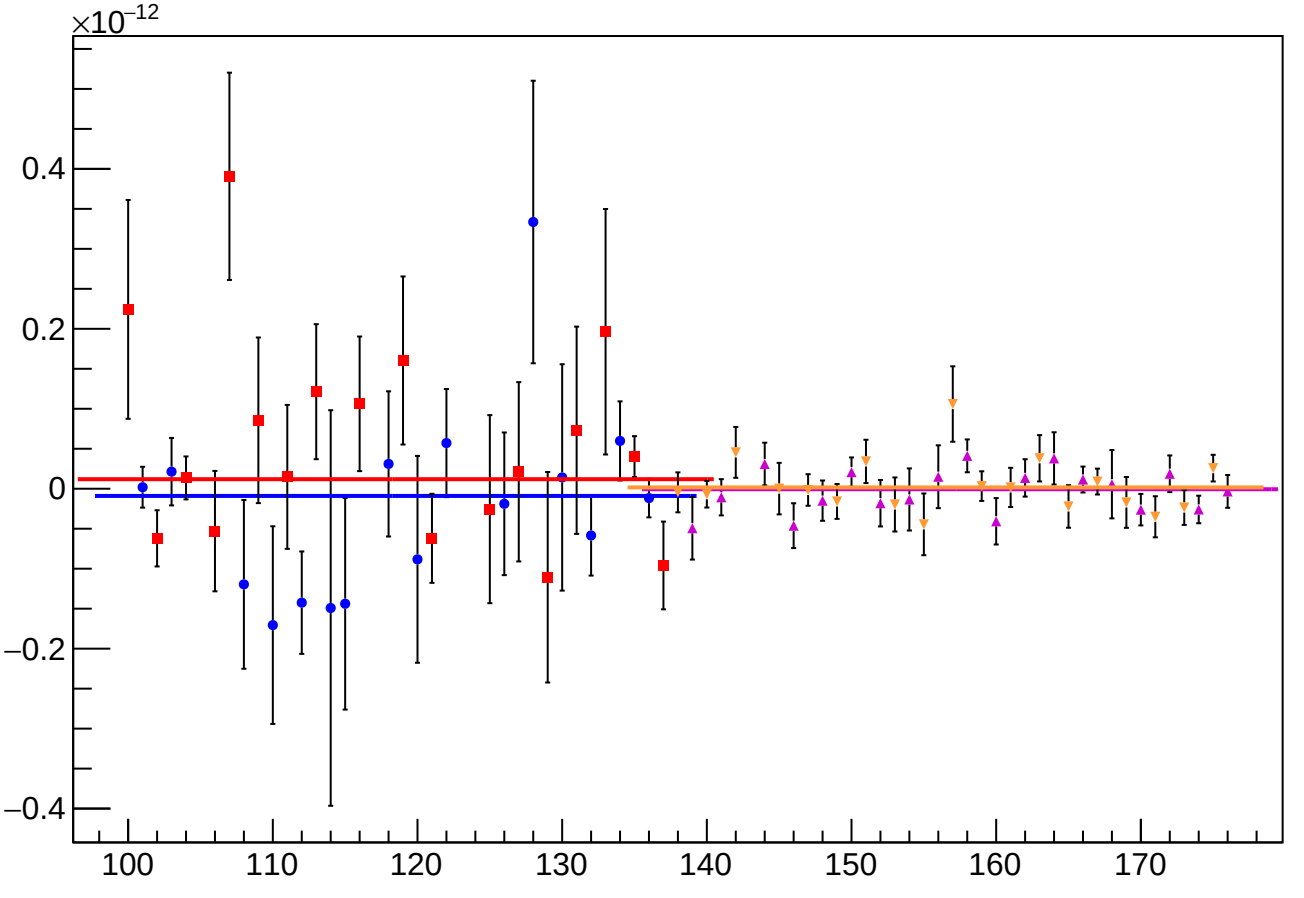
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 82.794+/-0.015 χ^2/NDF:477985.1/18

+ sign 82.938+/-0.013 χ^2/NDF: 1385795.6/34

All: 82.849+/-0.009 χ^2/NDF: 2336948.2/71

- sign 82.764+/-0.013 χ^2/NDF: 951059.4/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/18

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

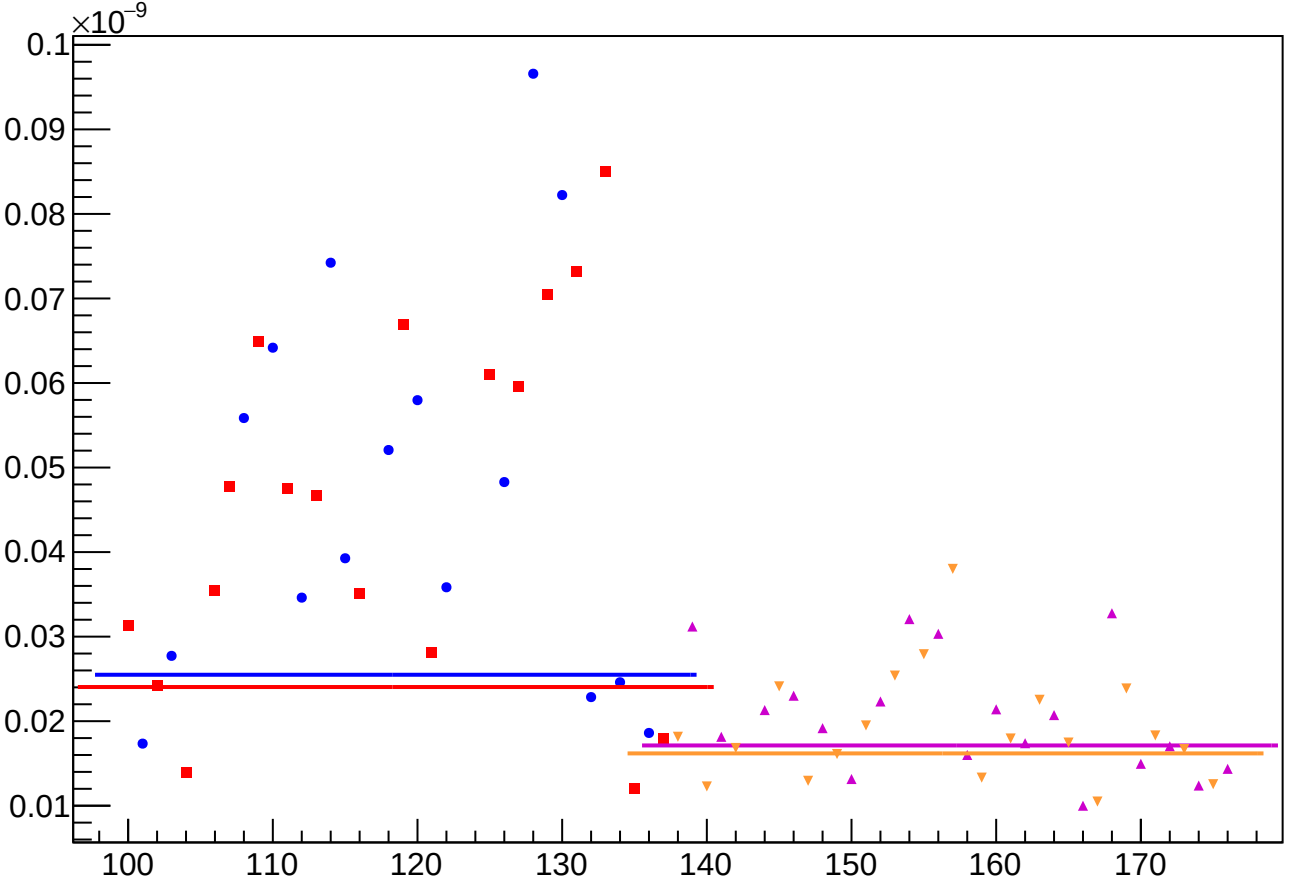
Left In: -0.000+/-0.000 χ^2/NDF:21.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/34

All: 0.000+/-0.000 χ^2/NDF: 90.3/71

- sign 0.000+/-0.000 χ^2/NDF: 52.8/36

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:1723919.9/18

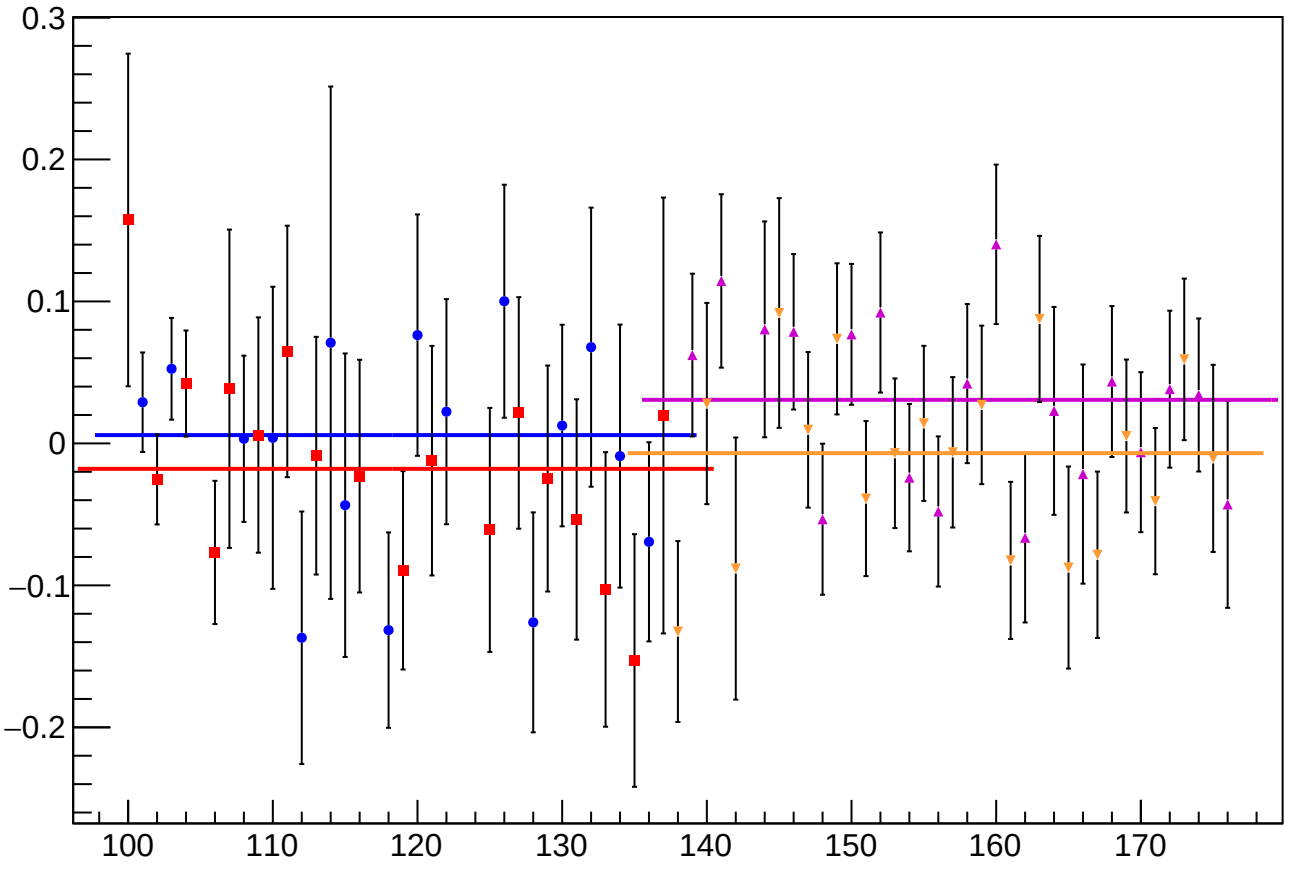
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2031387.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 4570110.5/34

All: 0.000+/-0.000 χ^2/NDF: 10156638.3/71

- sign 0.000+/-0.000 χ^2/NDF: 5571710.0/36



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

Left Out: -0.007+/-0.014 χ^2/NDF:18.7/18

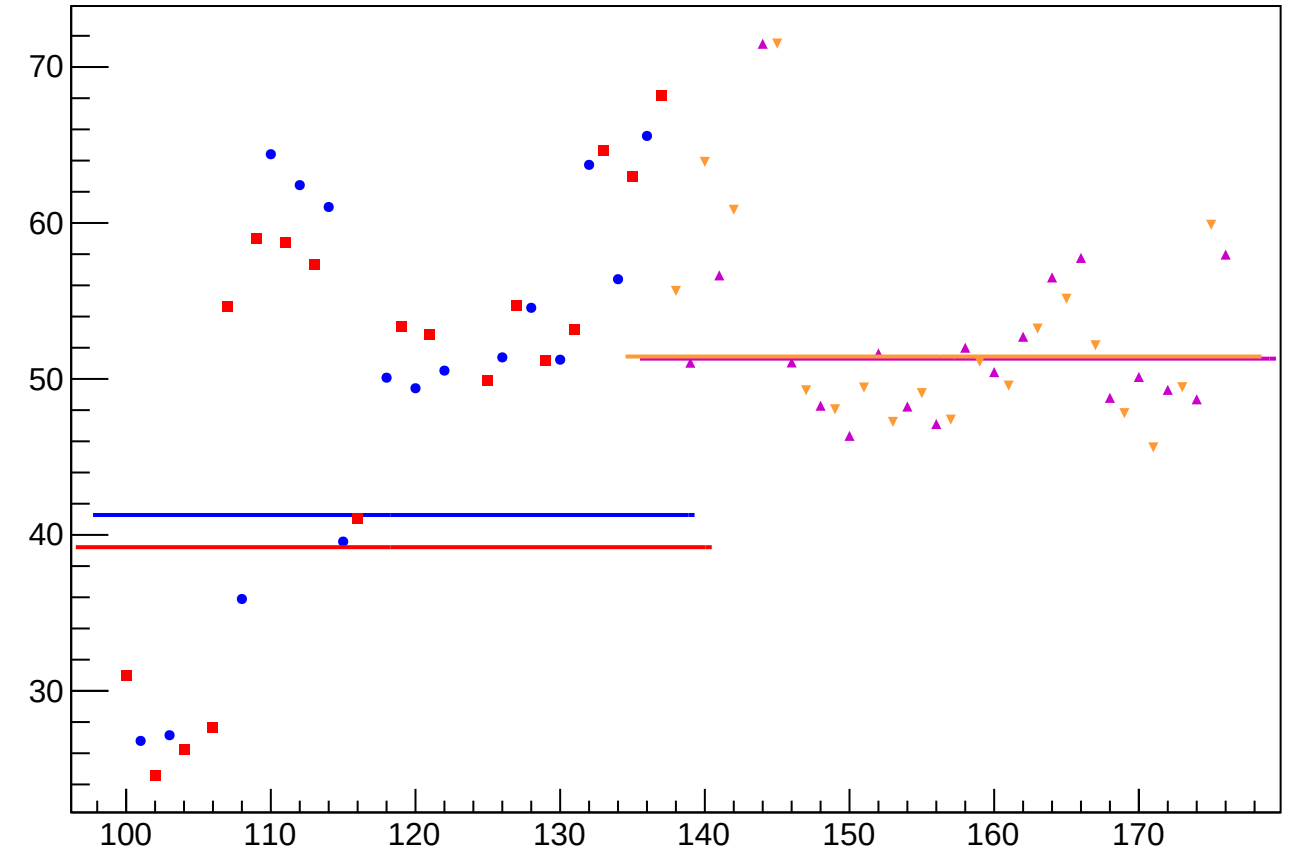
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.031+/-0.013 χ^2/NDF:19.8/18

+ sign -0.002+/-0.010 χ^2/NDF: 34.6/34

All: 0.005+/-0.007 χ^2/NDF: 73.0/71

- sign 0.010+/-0.010 χ^2/NDF: 37.7/36



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

Left Out: 51.437+/-0.010 χ^2/NDF:336321.7/18

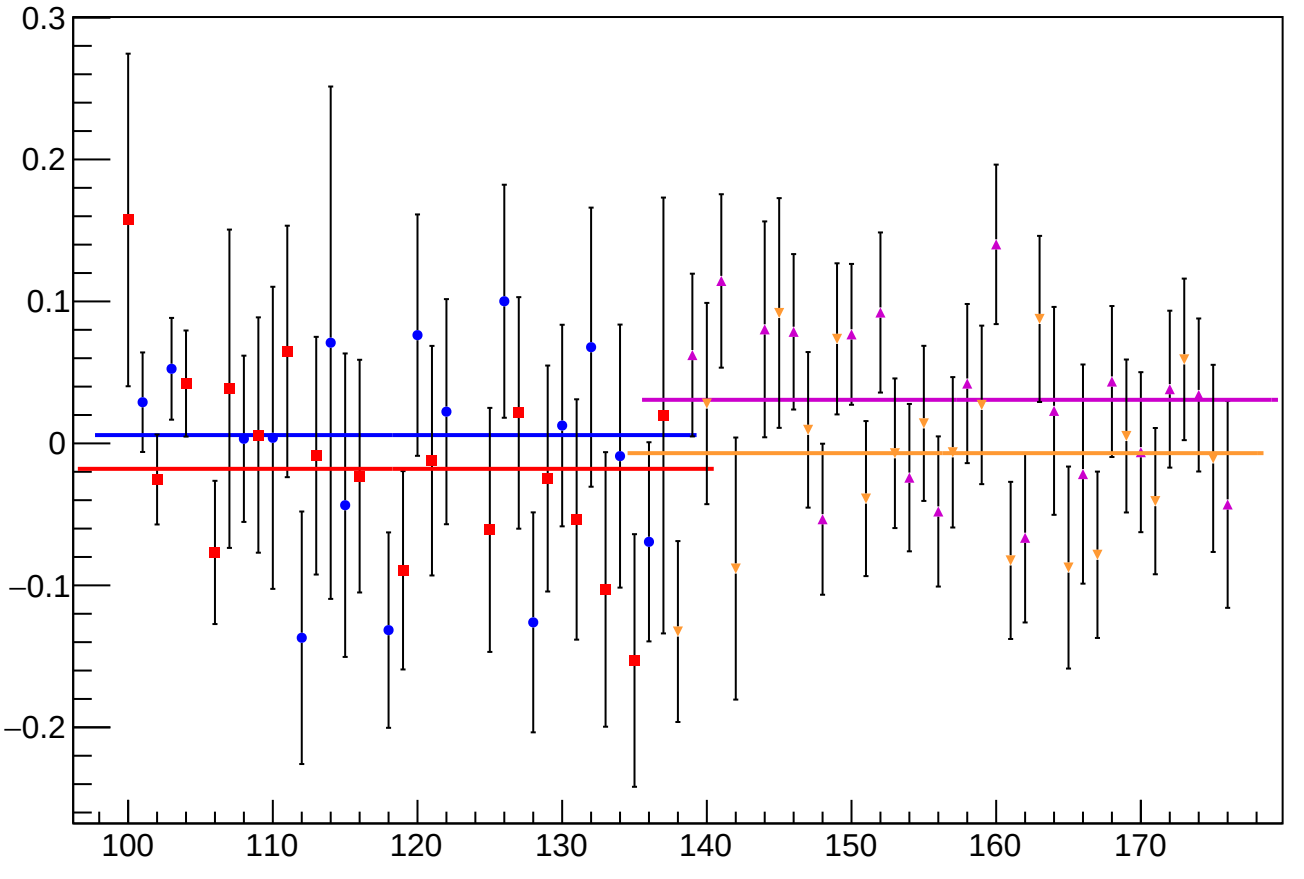
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.302+/-0.009 χ^2/NDF:257801.2/18

+ sign 47.366+/-0.007 χ^2/NDF: 2294698.4/34

All: 46.805+/-0.005 χ^2/NDF: 5073721.5/71

- sign 46.278+/-0.007 χ^2/NDF: 2767860.0/36



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

Left Out: -0.007+/-0.014 χ^2/NDF:18.7/18

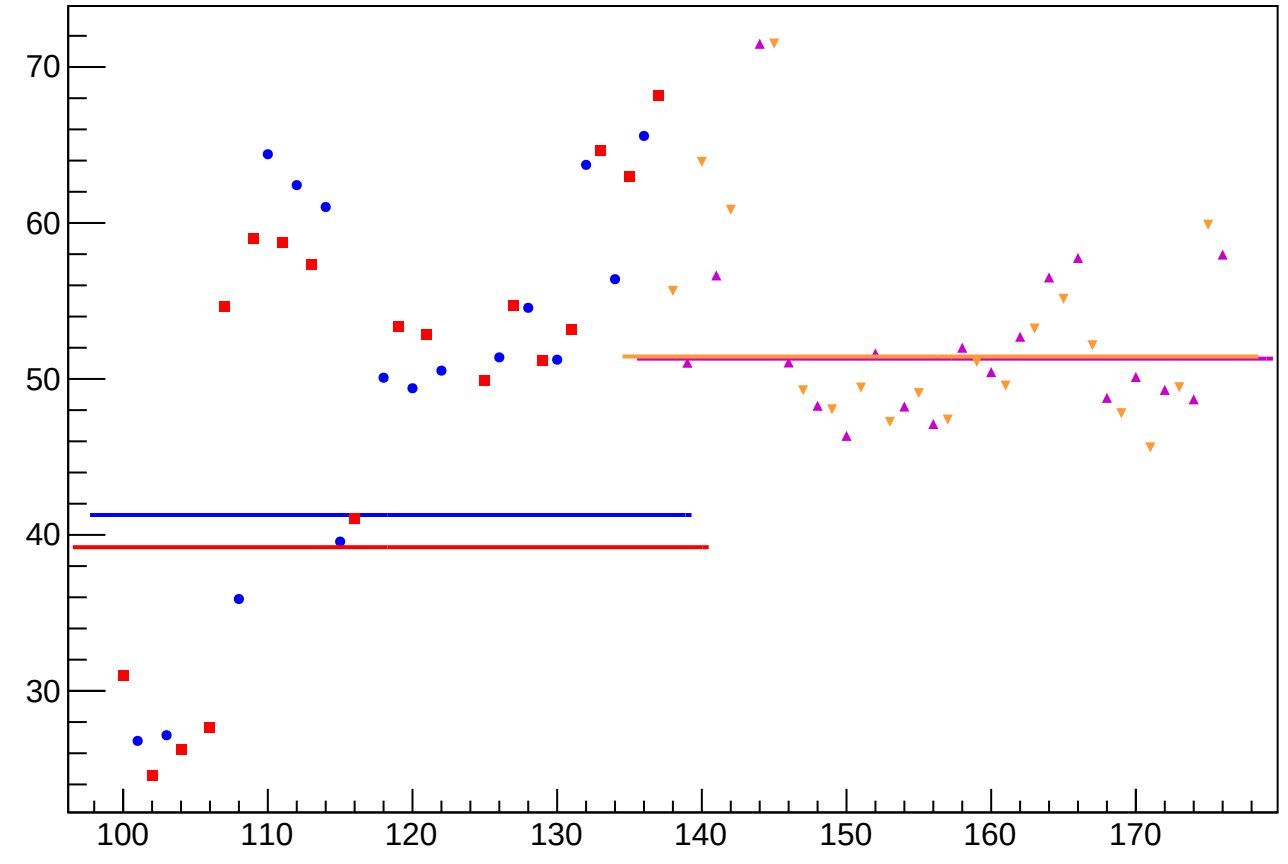
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.031+/-0.013 χ^2/NDF:19.8/18

+ sign -0.002+/-0.010 χ^2/NDF: 34.6/34

All: 0.005+/-0.007 χ^2/NDF: 73.0/71

- sign 0.010+/-0.010 χ^2/NDF: 37.7/36



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

Left Out: 51.437+/-0.010 χ^2/NDF:336321.7/18

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

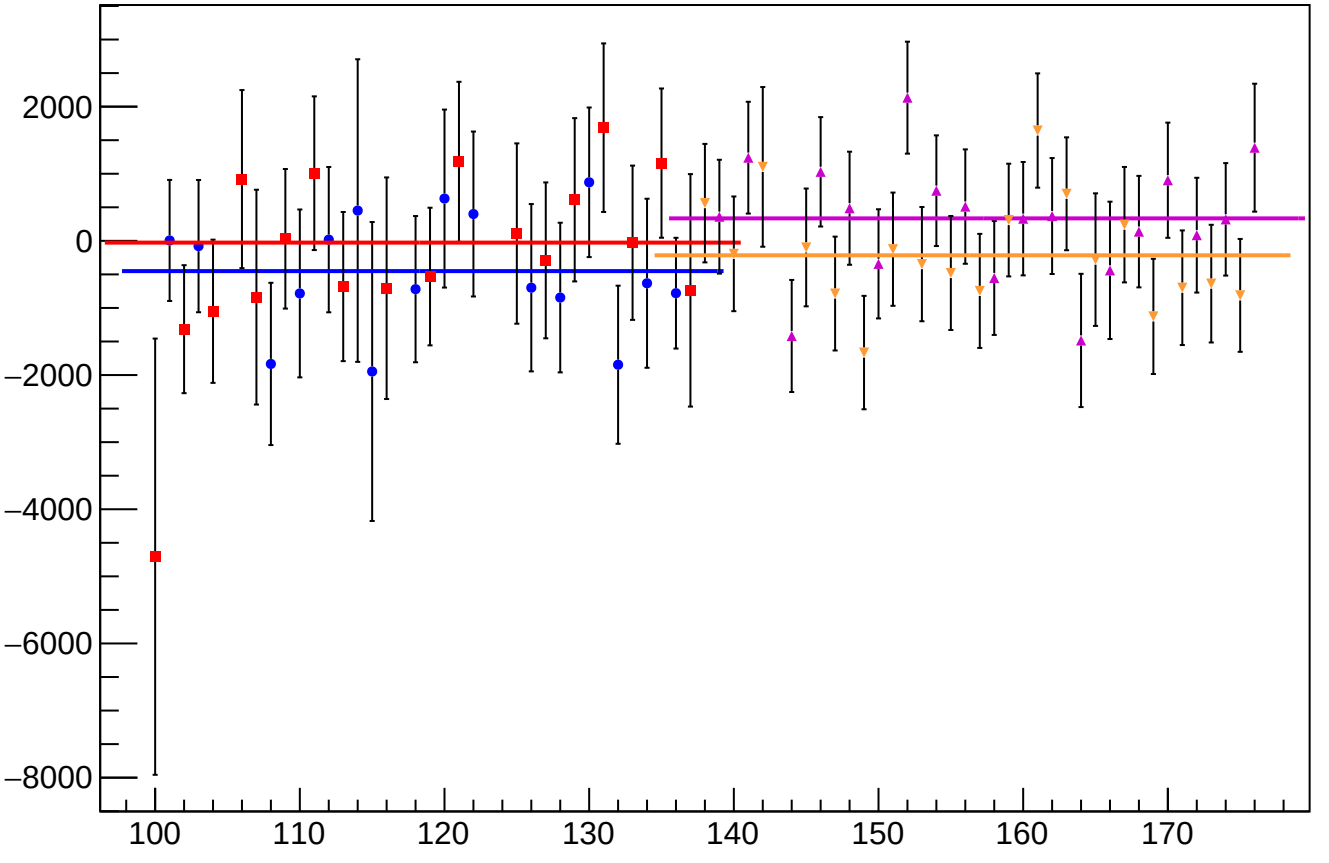
Left In: 51.302+/-0.009 χ^2/NDF:257801.2/18

+ sign 47.366+/-0.007 χ^2/NDF: 2294698.4/34

All: 46.805+/-0.005 χ^2/NDF: 5073721.5/71

- sign 46.278+/-0.007 χ^2/NDF: 2767860.0/36

reg_asym_us_dd_mean vs Slug



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

Left Out: -215.463+/-199.883 χ^2/NDF:14.7/18

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

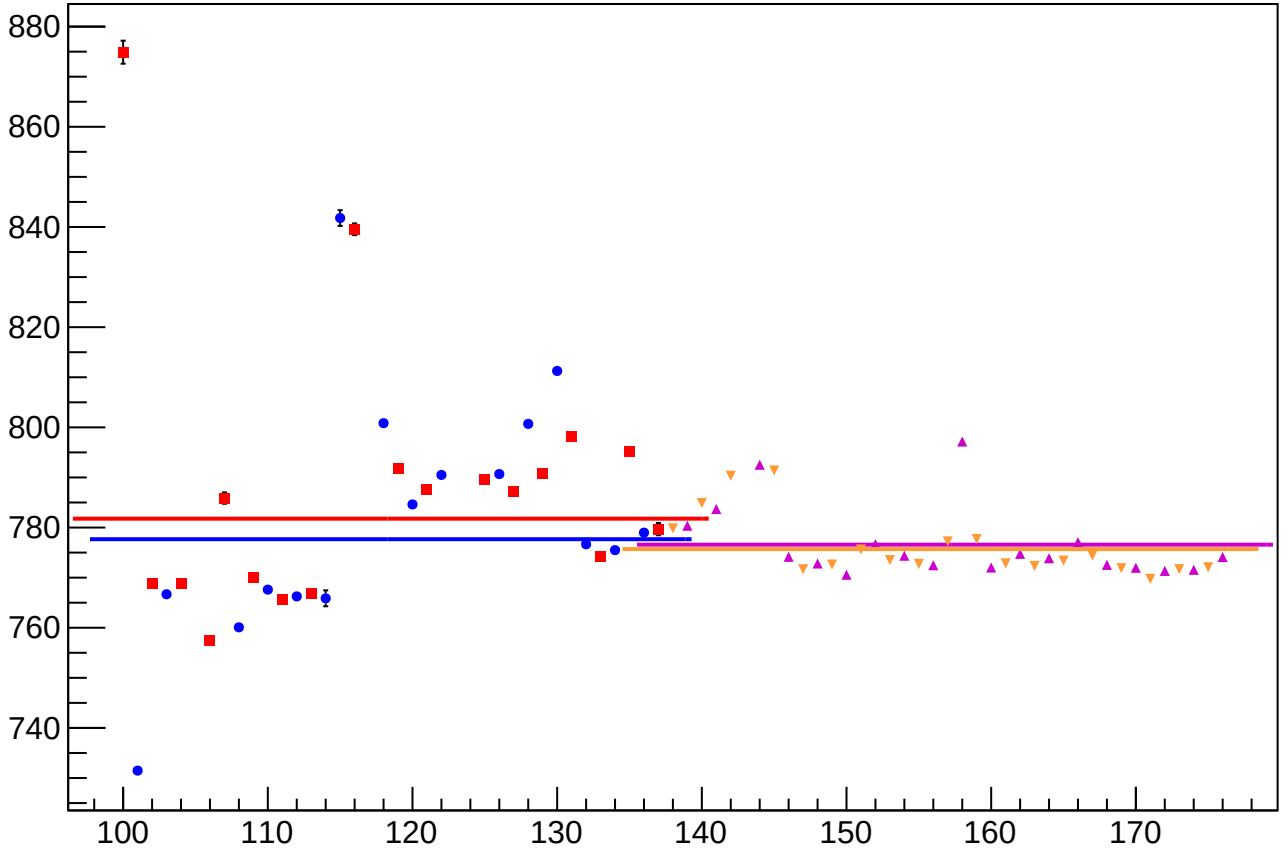
Left In: 334.785+/-196.993 χ^2/NDF:18.8/18

+ sign -291.679+/-164.385 χ^2/NDF: 22.1/34

All: -33.162+/-115.605 χ^2/NDF: 58.6/71

- sign 219.802+/-162.610 χ^2/NDF: 31.6/36

reg_asym_us_dd_rms vs Slug



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

Left Out: 775.700+/-0.141 χ^2/NDF:1629.9/18

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

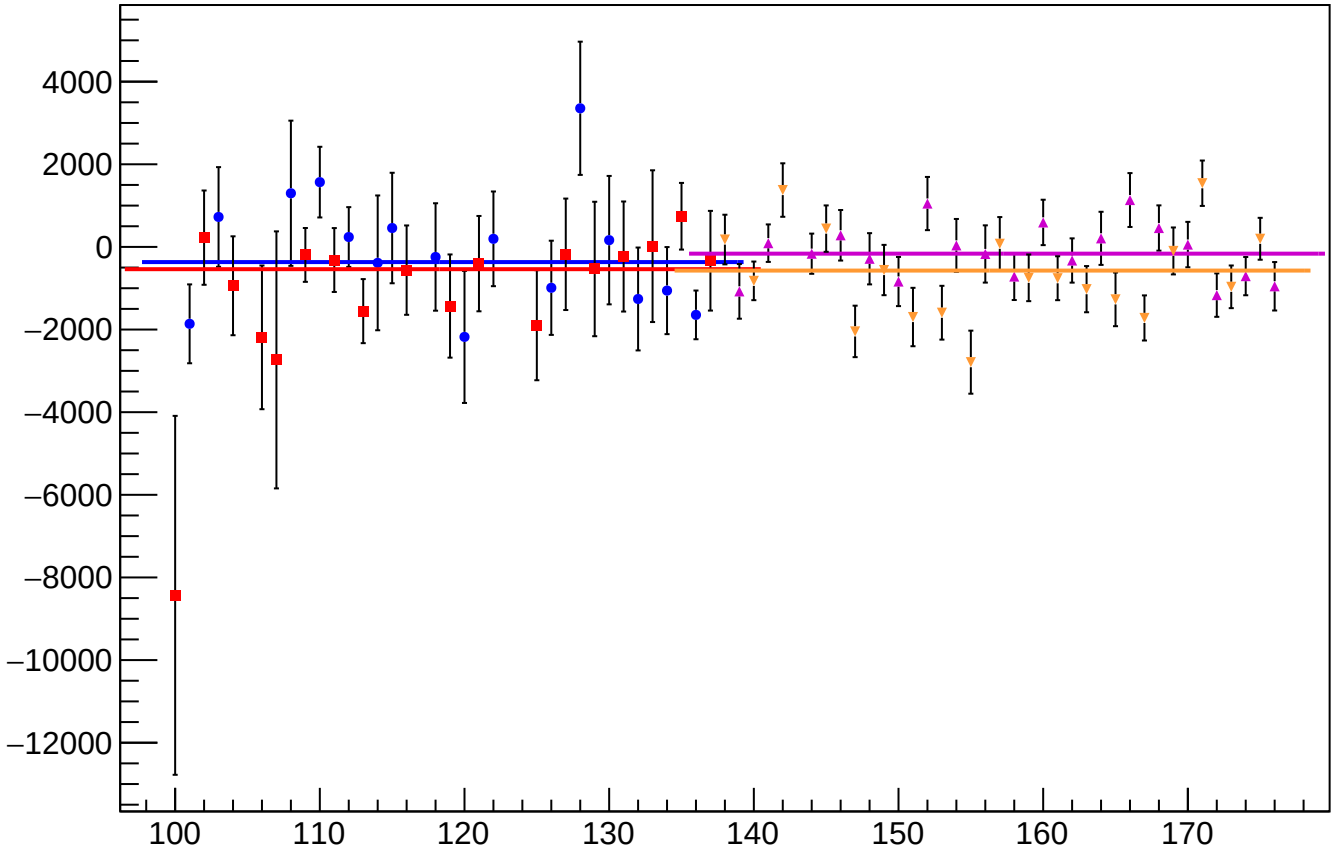
Left In: 776.587+/-0.139 χ^2/NDF:2667.9/18

+ sign 776.339+/-0.116 χ^2/NDF: 13748.5/34

All: 777.300+/-0.082 χ^2/NDF: 24620.2/71

- sign 778.240+/-0.115 χ^2/NDF: 10736.4/36

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: -572.631+/-133.252 χ^2/NDF:59.0/18

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

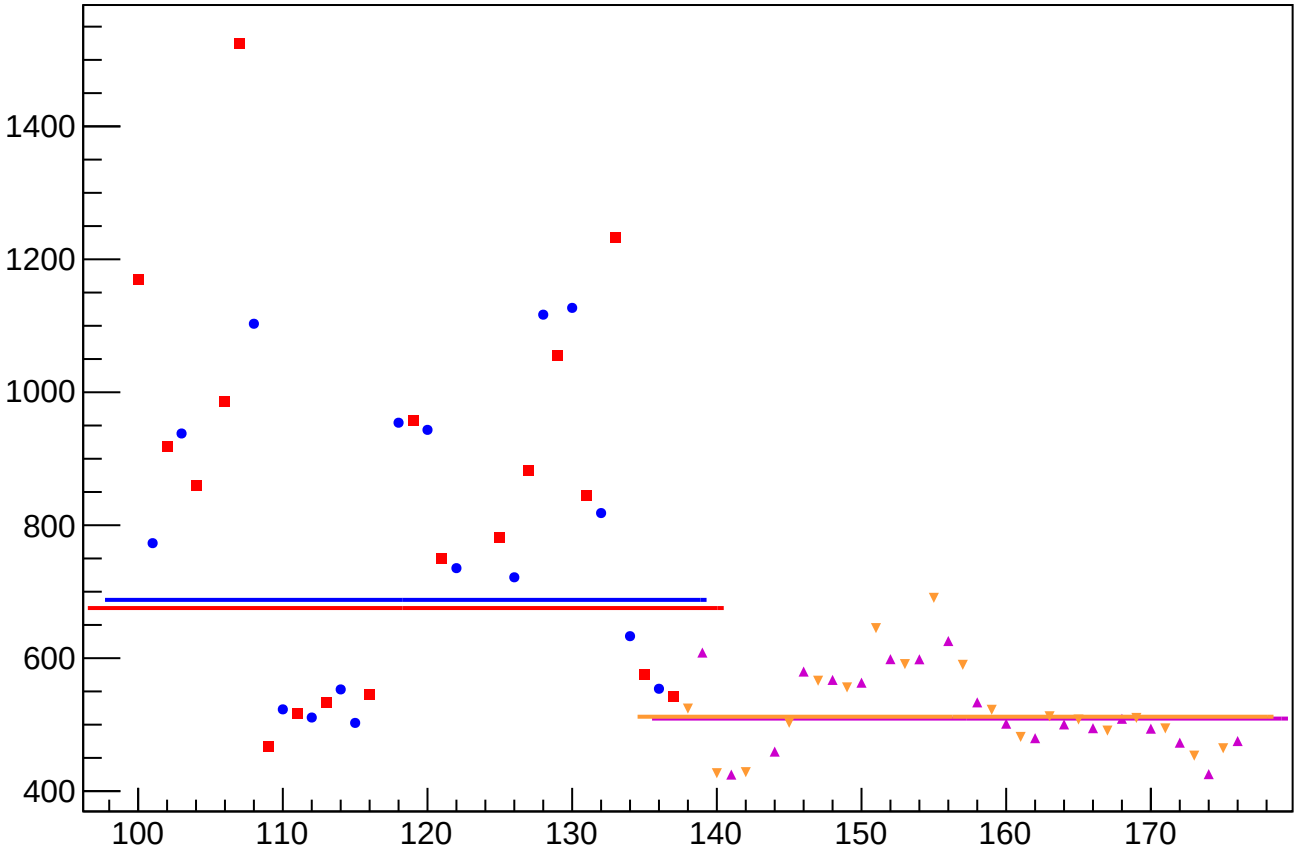
Left In: -163.230+/-130.302 χ^2/NDF:23.2/18

+ sign -531.554+/-119.202 χ^2/NDF: 82.8/34

All: -381.374+/-83.408 χ^2/NDF: 122.4/71

- sign -237.309+/-116.749 χ^2/NDF: 36.5/36

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 511.951+/-0.094 χ^2/NDF:421622.8/18

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

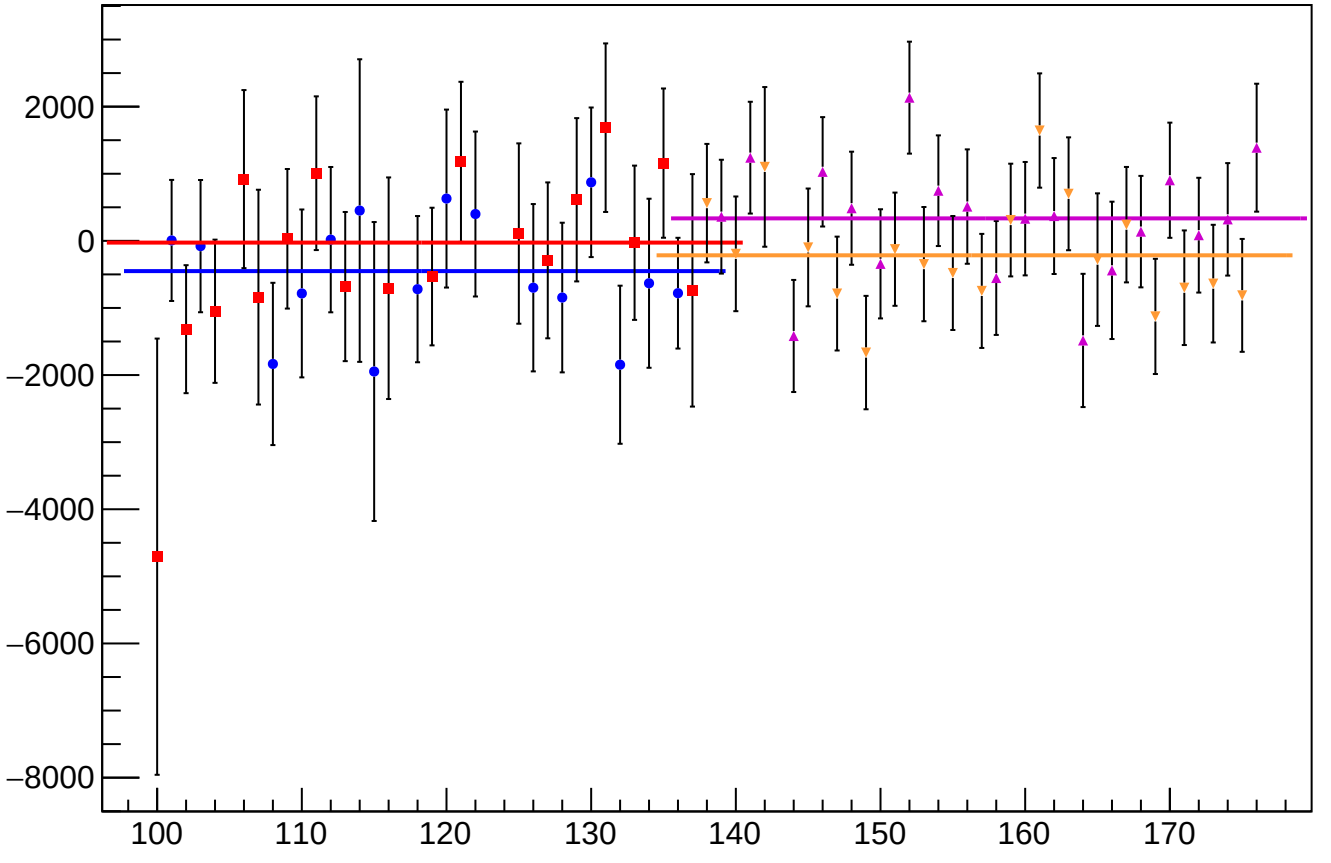
Left In: 509.136+/-0.092 χ^2/NDF:424181.0/18

+ sign 547.063+/-0.084 χ^2/NDF: 2148671.9/34

All: 544.441+/-0.059 χ^2/NDF: 4529966.5/71

- sign 541.925+/-0.083 χ^2/NDF: 2379397.9/36

cor_asym_us_dd_mean vs Slug



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

Left Out: -215.463+/-199.883 χ^2/NDF:14.7/18

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

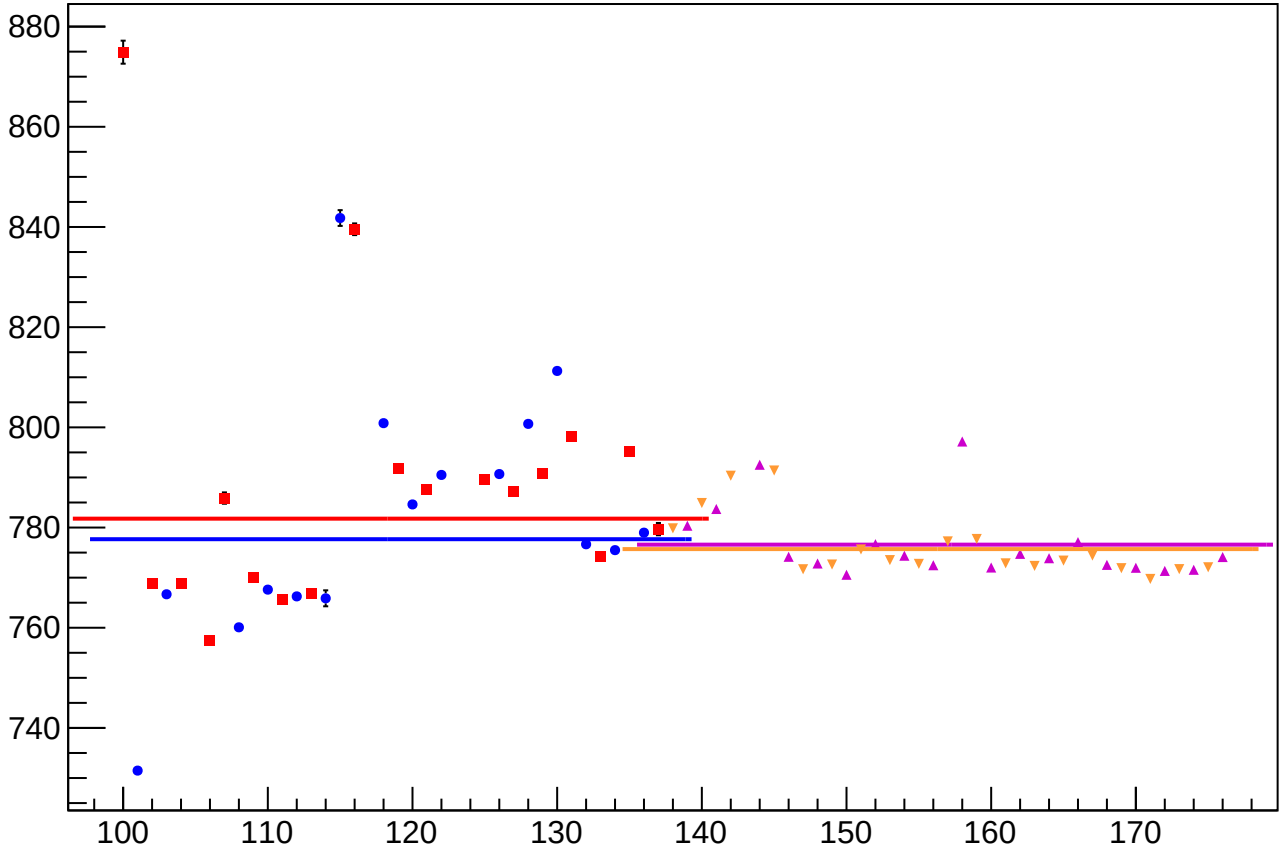
Left In: 334.785+/-196.993 χ^2/NDF:18.8/18

+ sign -291.679+/-164.385 χ^2/NDF: 22.1/34

All: -33.162+/-115.605 χ^2/NDF: 58.6/71

- sign 219.802+/-162.610 χ^2/NDF: 31.6/36

cor_asym_us_dd_rms vs Slug



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

Left Out: 775.700+/-0.141 χ^2/NDF:1629.9/18

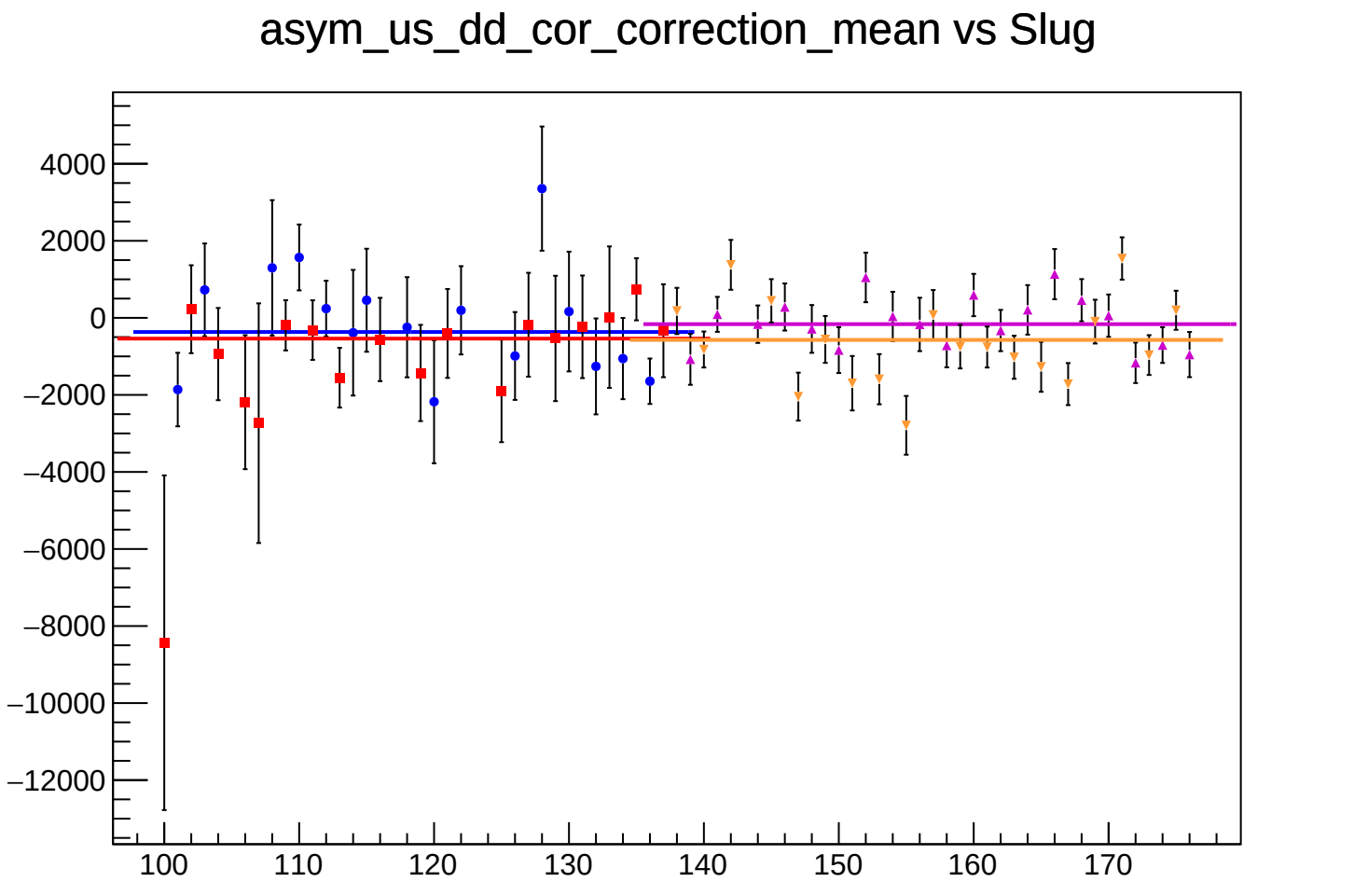
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.587+/-0.139 χ^2/NDF:2667.9/18

+ sign 776.339+/-0.116 χ^2/NDF: 13748.5/34

All: 777.300+/-0.082 χ^2/NDF: 24620.2/71

- sign 778.240+/-0.115 χ^2/NDF: 10736.4/36



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

Left Out: -572.631+/-133.252 χ^2/NDF:59.0/18

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

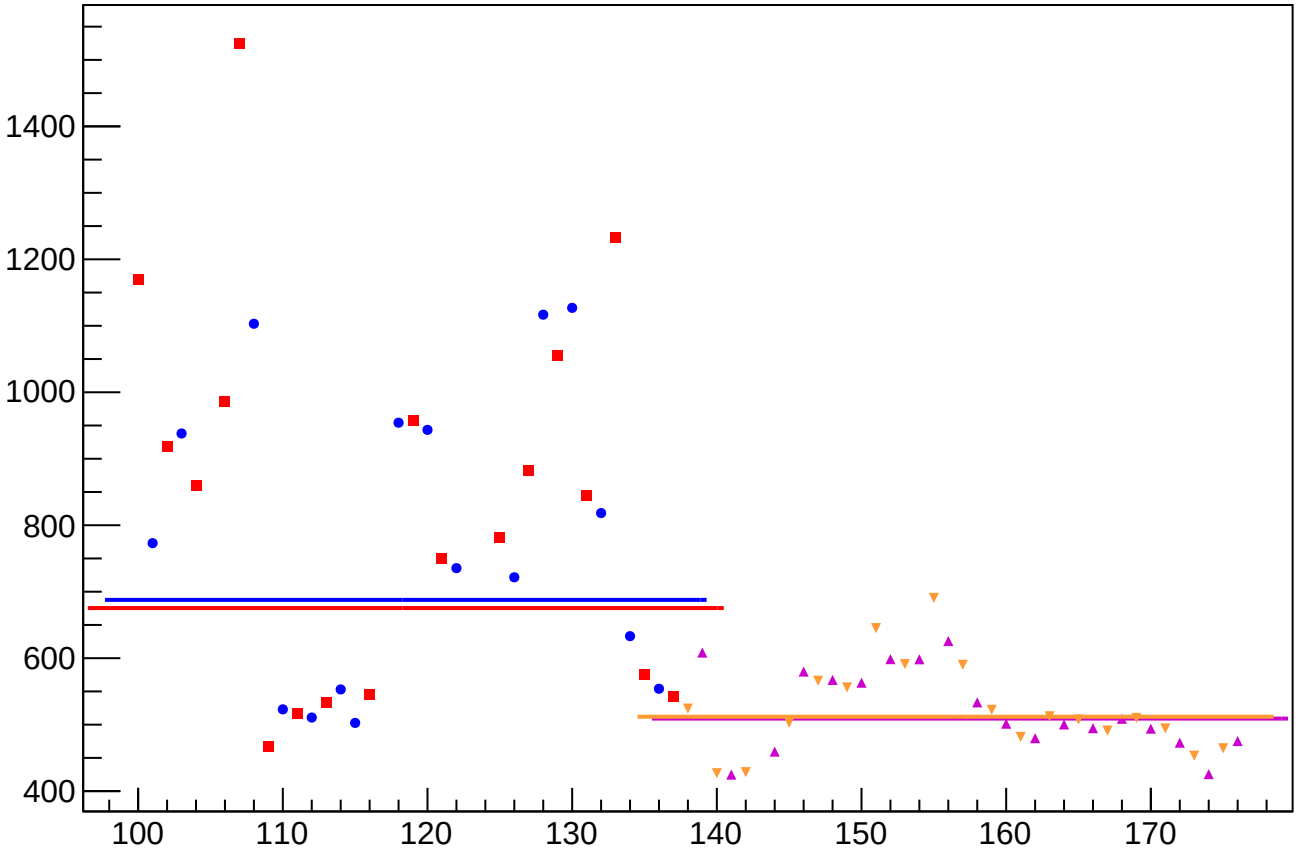
Left In: -163.230+/-130.302 χ^2/NDF:23.2/18

\+ sign -531.554+/-119.202 χ^2/NDF: 82.8/34

All: -381.374+/-83.408 χ^2/NDF: 122.4/71

\- sign -237.309+/-116.749 χ^2/NDF: 36.5/36

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 511.951+/-0.094 χ^2/NDF:421622.8/18

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

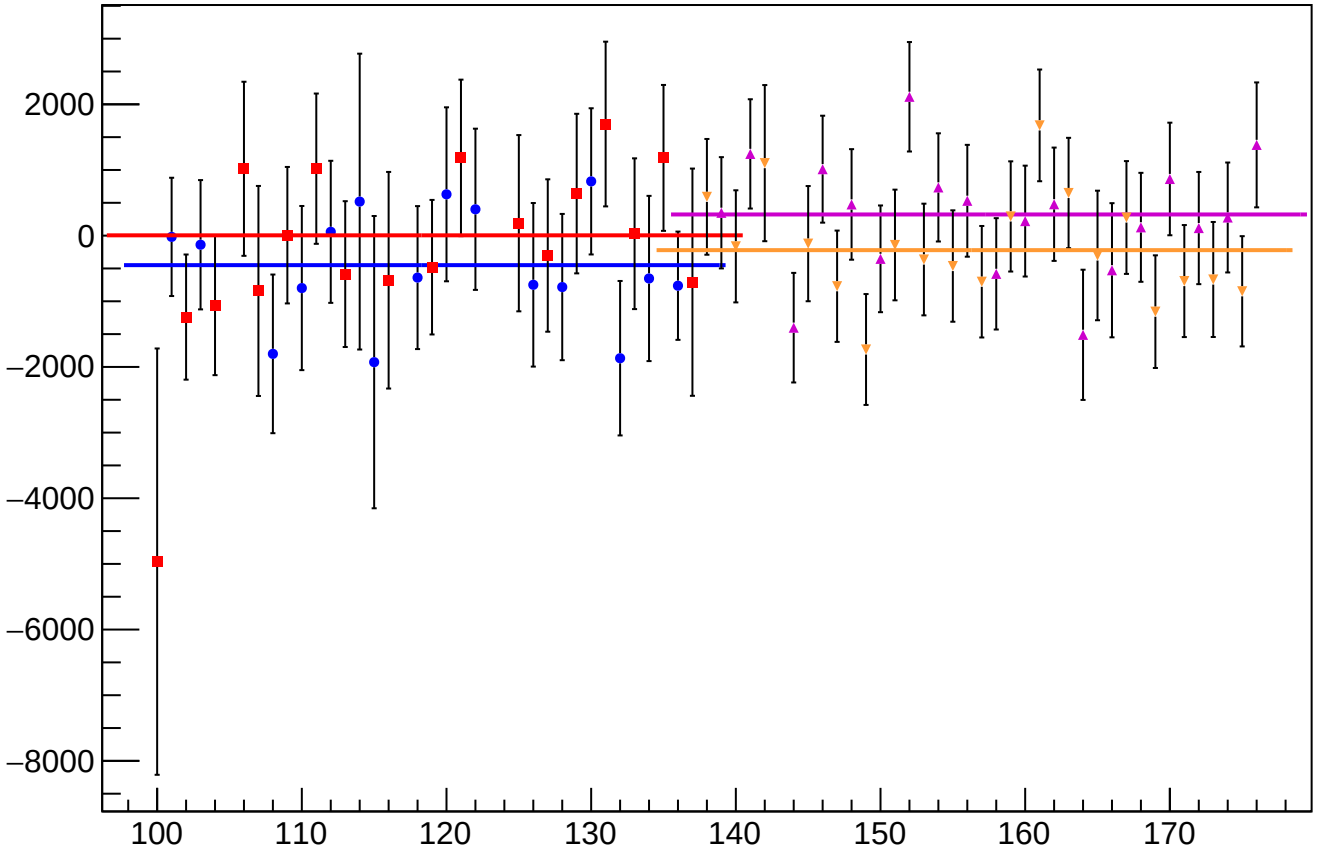
Left In: 509.136+/-0.092 χ^2/NDF:424181.0/18

+ sign 547.063+/-0.084 χ^2/NDF: 2148671.9/34

All: 544.441+/-0.059 χ^2/NDF: 4529966.5/71

- sign 541.925+/-0.083 χ^2/NDF: 2379397.9/36

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -221.077+/-199.690 χ^2/NDF:15.3/18

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

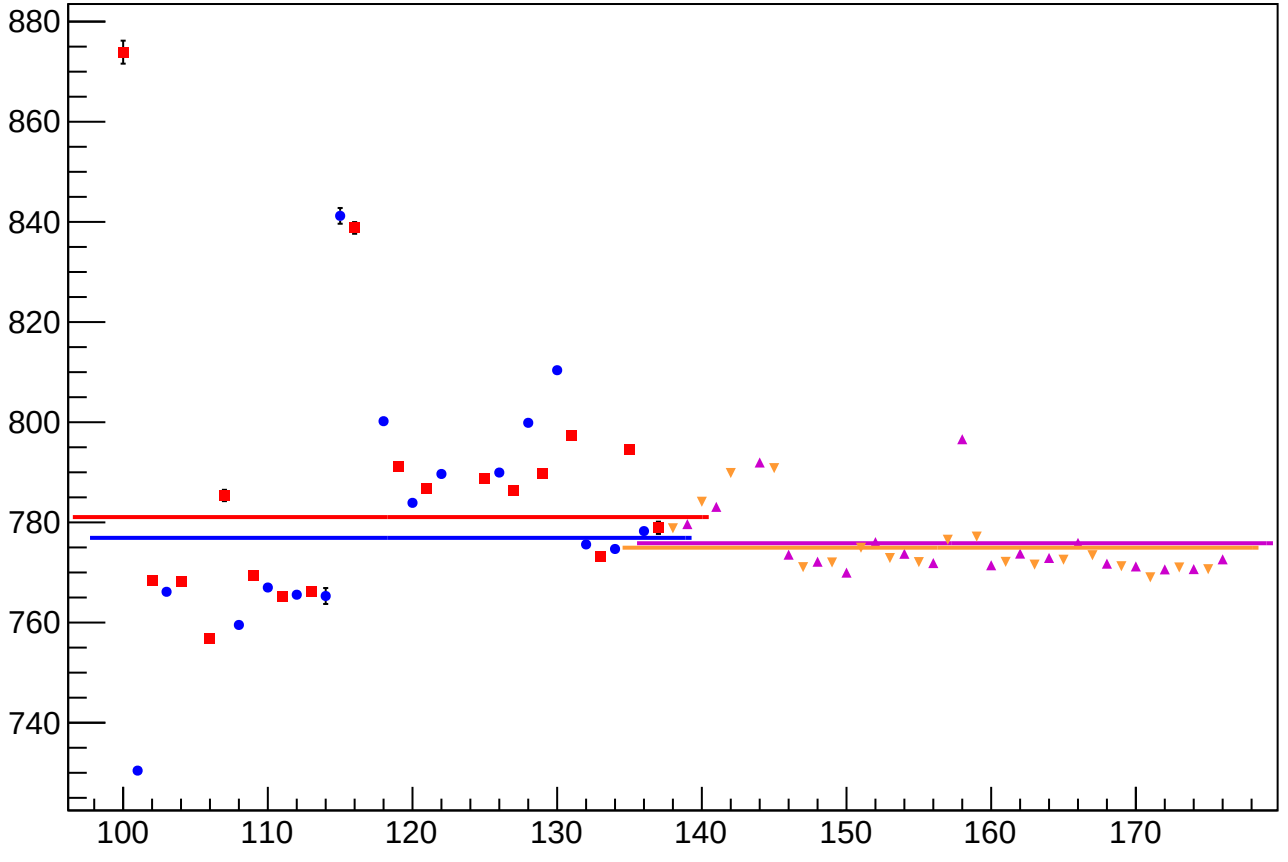
Left In: 322.533+/-196.803 χ^2/NDF:18.9/18

+ sign -294.985+/-164.225 χ^2/NDF: 22.5/34

All: -34.068+/-115.494 χ^2/NDF: 59.0/71

- sign 221.255+/-162.455 χ^2/NDF: 31.6/36

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 774.950+/-0.141 χ^2/NDF:1660.9/18

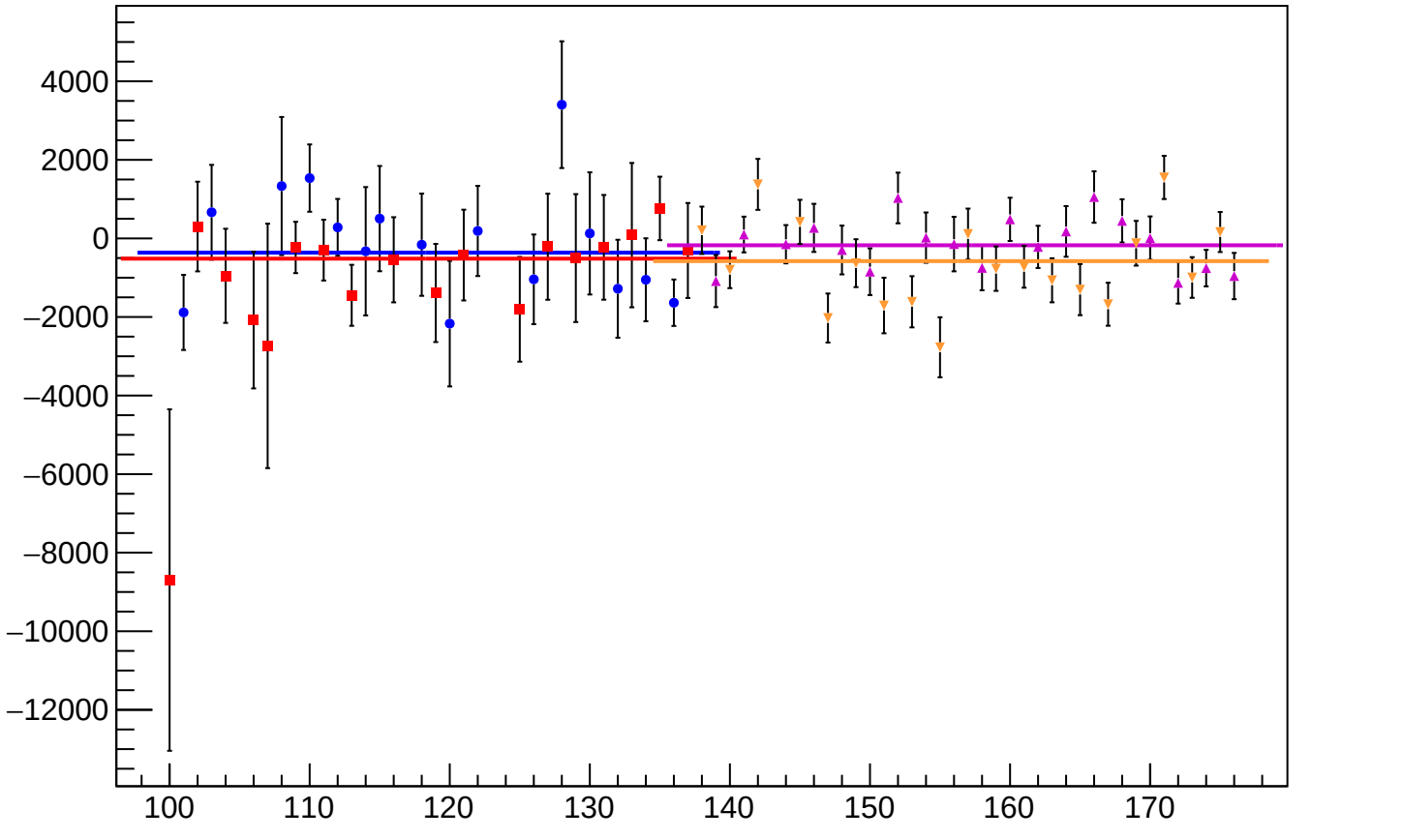
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 775.839+/-0.139 χ^2/NDF:2717.1/18

+ sign 775.585+/-0.116 χ^2/NDF: 13847.0/34

All: 776.554+/-0.082 χ^2/NDF: 24736.3/71

- sign 777.503+/-0.115 χ^2/NDF: 10751.6/36



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

Left Out: -577.874+/-133.571 χ^2/NDF:58.6/18

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

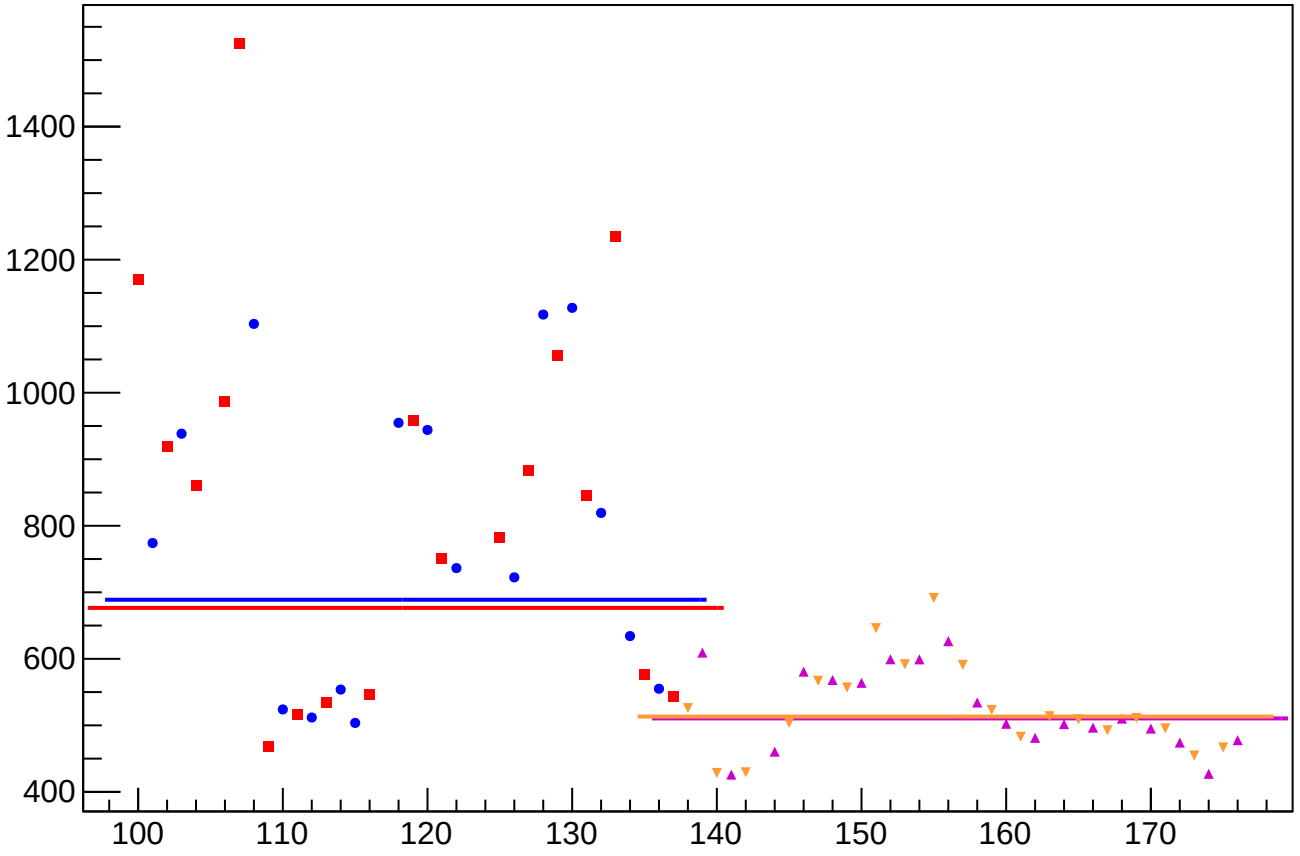
Left In: -174.399+/-130.619 χ^2/NDF:22.0/18

+ sign -534.847+/-119.465 χ^2/NDF: 82.5/34

All: -385.245+/-83.594 χ^2/NDF: 120.2/71

- sign -241.724+/-117.012 χ^2/NDF: 34.7/36

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 513.229+/-0.094 χ^2/NDF:417187.6/18

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

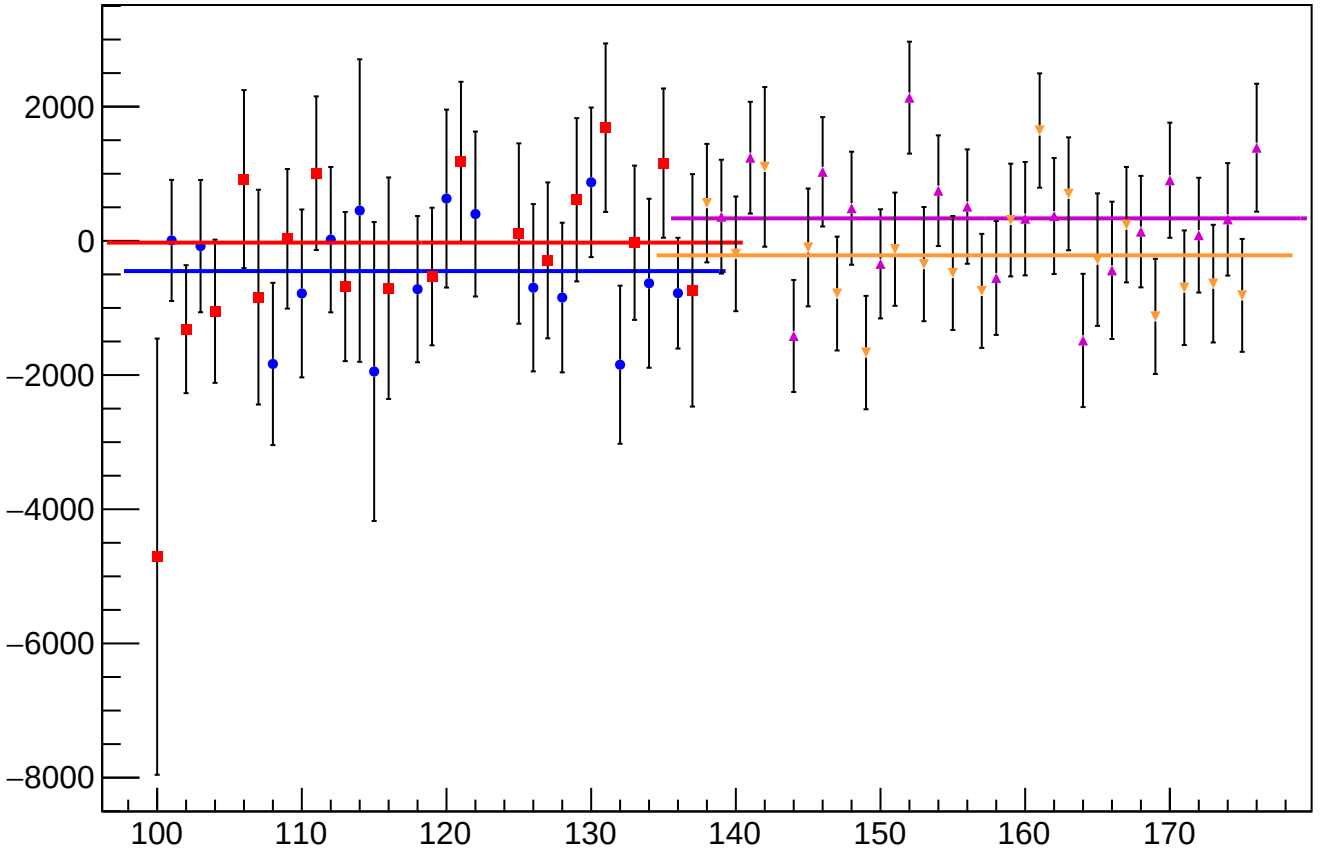
Left In: 510.422+/-0.092 χ^2/NDF:419277.8/18

\+ sign 548.361+/-0.084 χ^2/NDF: 2136867.4/34

All: 545.745+/-0.059 χ^2/NDF: 4505160.4/71

\- sign 543.236+/-0.083 χ^2/NDF: 2366414.6/36

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -215.463+/-199.883 χ^2/NDF:14.7/18

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

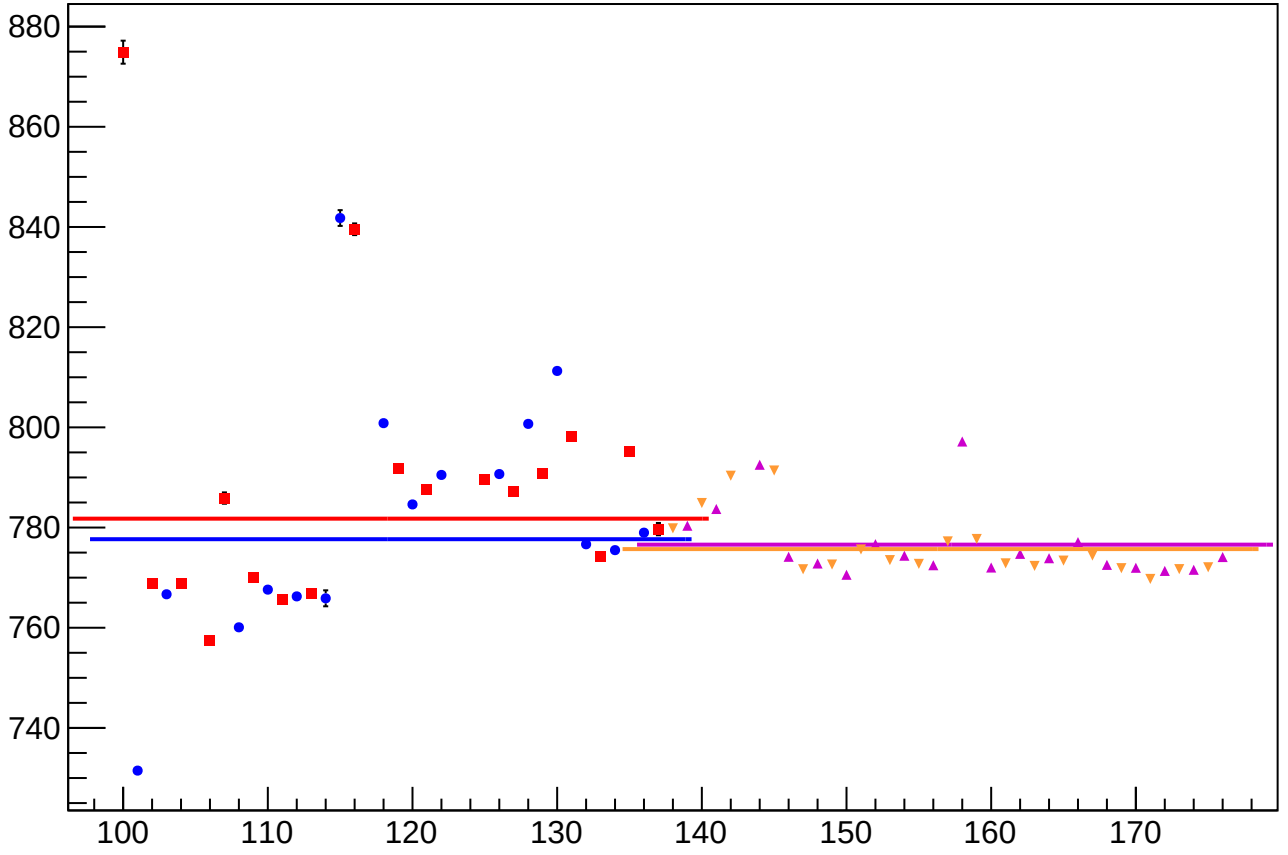
Left In: 334.785+/-196.993 χ^2/NDF:18.8/18

+ sign -291.679+/-164.385 χ^2/NDF: 22.1/34

All: -33.162+/-115.605 χ^2/NDF: 58.6/71

- sign 219.802+/-162.610 χ^2/NDF: 31.6/36

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 775.700+/-0.141 χ^2/NDF:1629.9/18

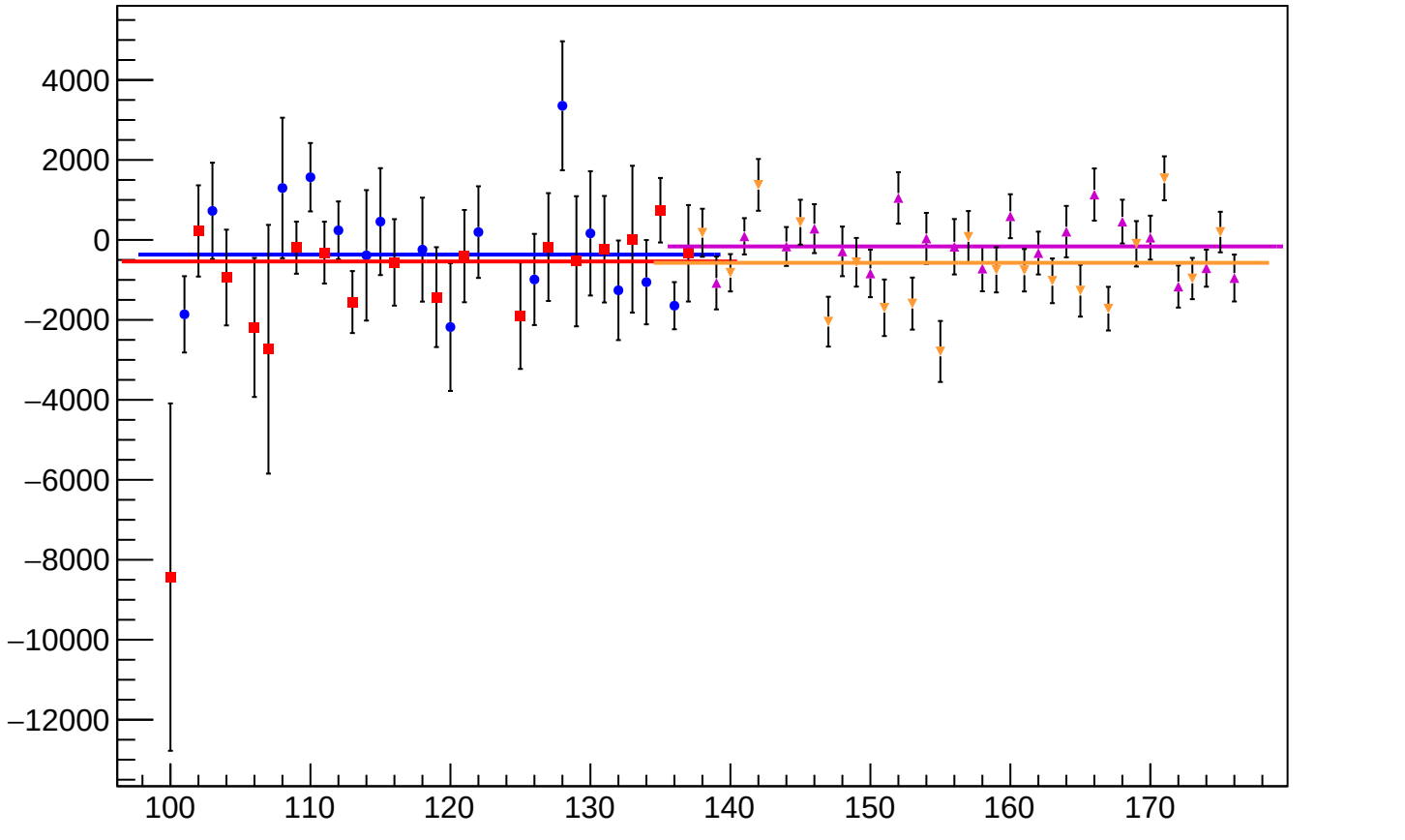
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.587+/-0.139 χ^2/NDF:2667.9/18

+ sign 776.339+/-0.116 χ^2/NDF: 13748.5/34

All: 777.300+/-0.082 χ^2/NDF: 24620.2/71

- sign 778.240+/-0.115 χ^2/NDF: 10736.4/36



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

Left Out: -572.631+/-133.252 χ^2/NDF:59.0/18

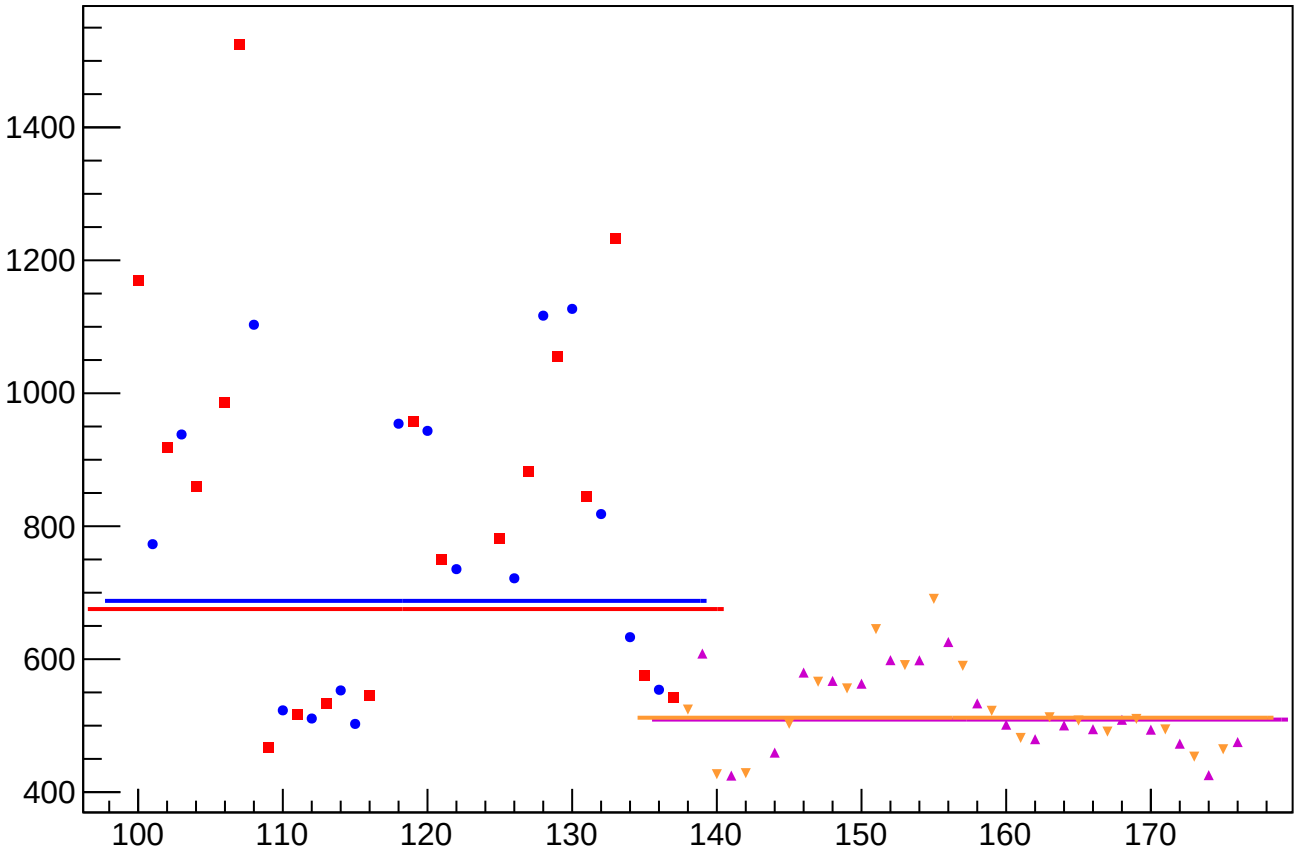
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -163.230+/-130.302 χ^2/NDF:23.2/18

\+ sign -531.554+/-119.202 χ^2/NDF: 82.8/34

All: -381.374+/-83.408 χ^2/NDF: 122.4/71

\- sign -237.309+/-116.749 χ^2/NDF: 36.5/36



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

Left Out: 511.951+/-0.094 χ^2/NDF:421622.8/18

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

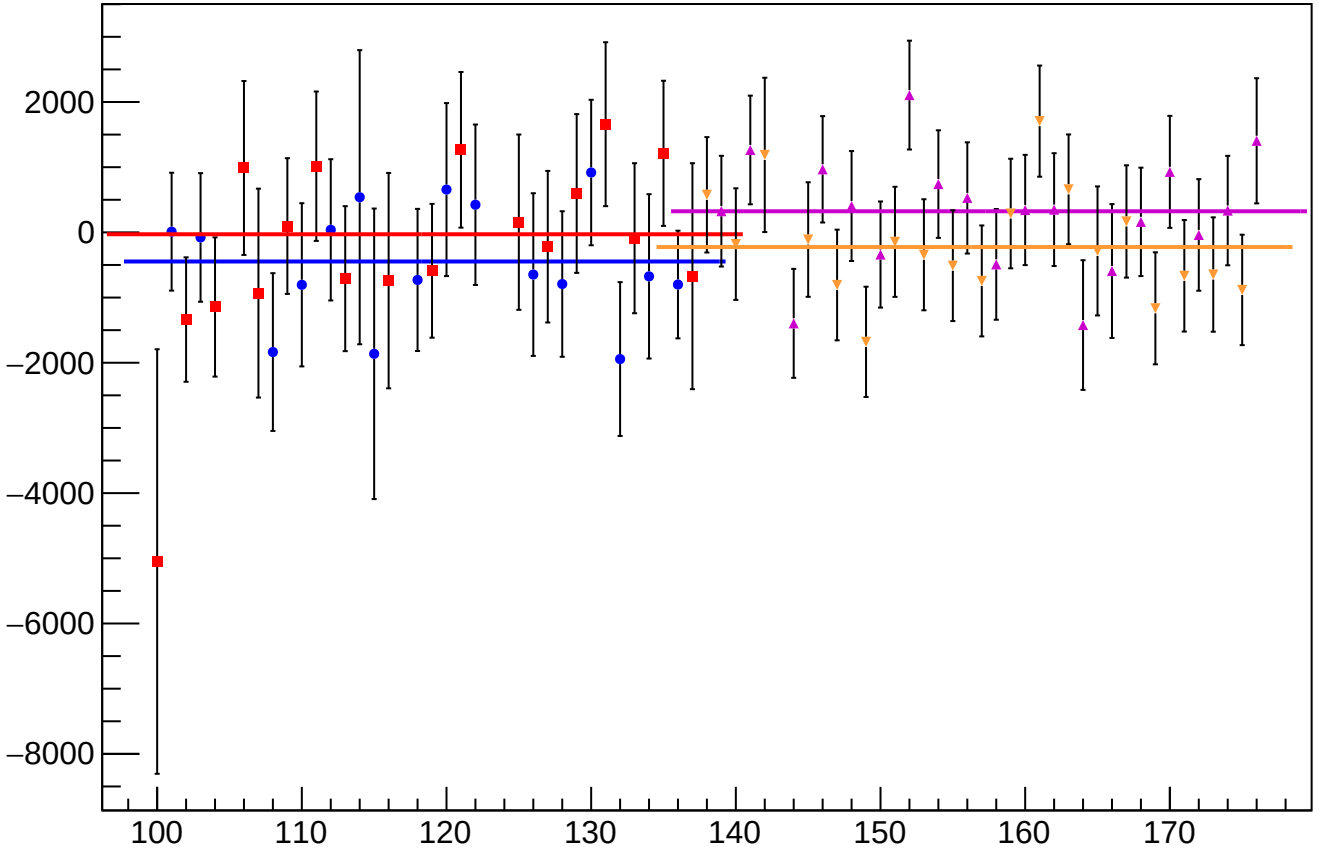
Left In: 509.136+/-0.092 χ^2/NDF:424181.0/18

\+ sign 547.063+/-0.084 χ^2/NDF: 2148671.9/34

All: 544.441+/-0.059 χ^2/NDF: 4529966.5/71

\- sign 541.925+/-0.083 χ^2/NDF: 2379397.9/36

dit_asym_us_dd_mean vs Slug



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

Left Out: -225.046+/-200.123 χ^2/NDF:15.3/18

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

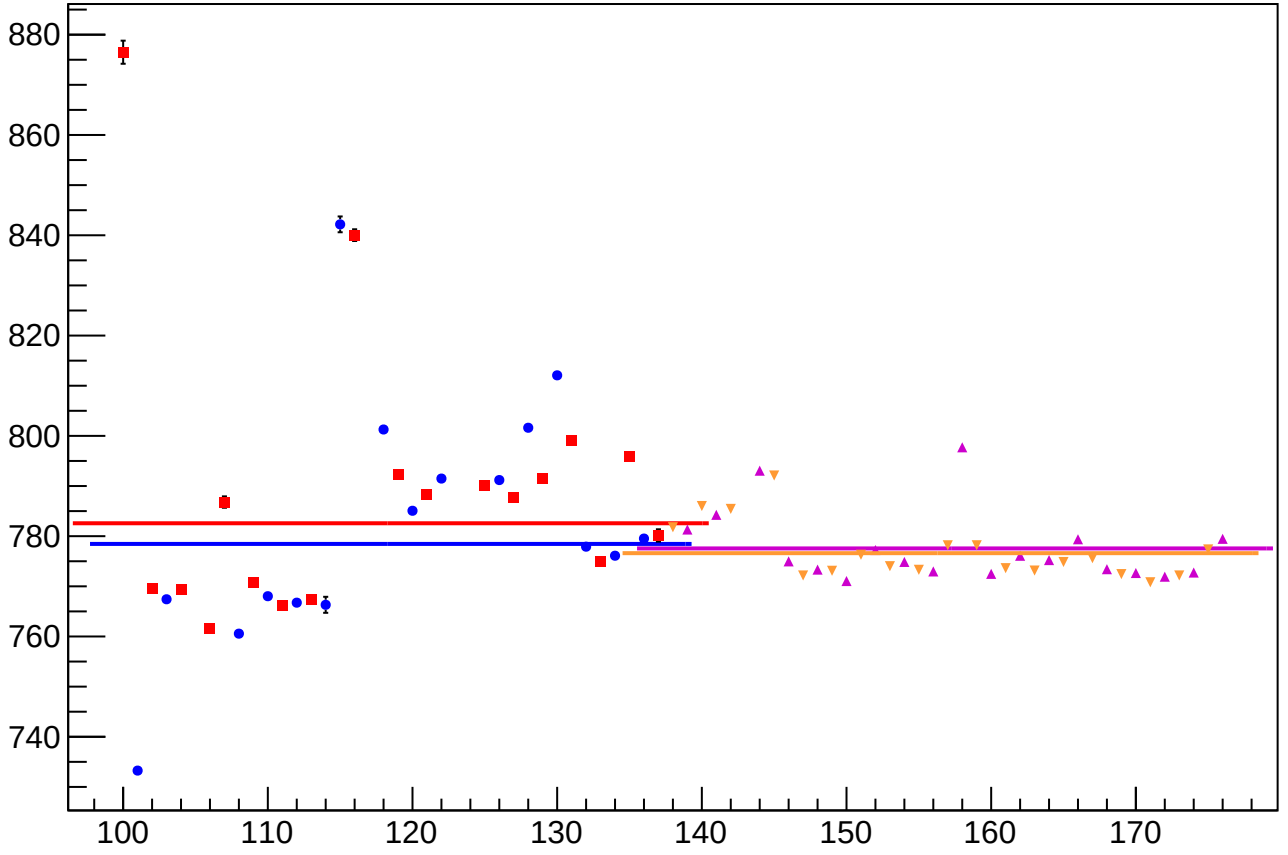
Left In: 323.642+/-197.239 χ^2/NDF:18.5/18

+ sign -296.791+/-164.571 χ^2/NDF: 23.0/34

All: -39.989+/-115.738 χ^2/NDF: 59.9/71

- sign 211.317+/-162.801 χ^2/NDF: 32.1/36

dit_asym_us_dd_rms vs Slug



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

Left Out: 776.613+/-0.142 χ^2/NDF:1454.2/18

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

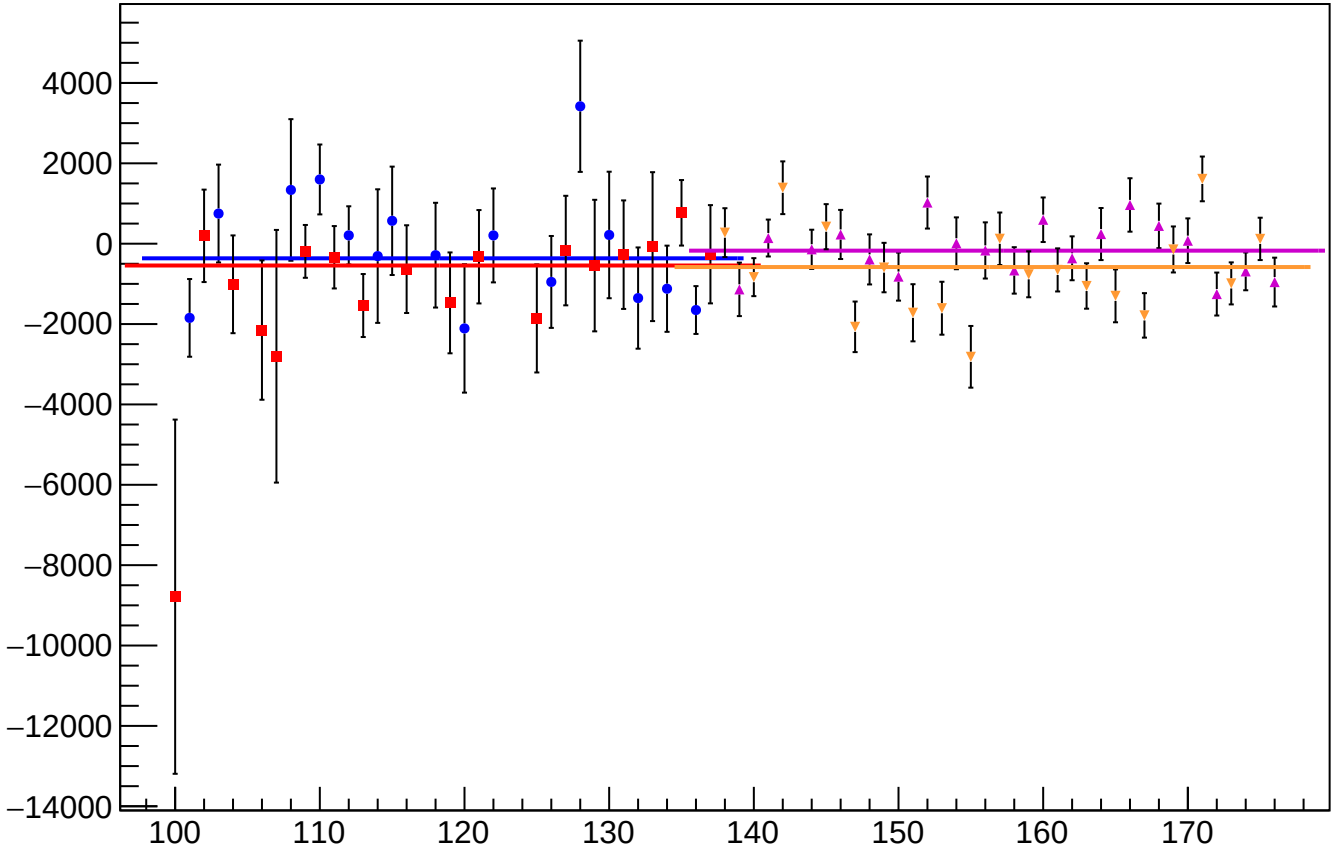
Left In: 777.558+/-0.139 χ^2/NDF:2631.3/18

+ sign 777.210+/-0.116 χ^2/NDF: 13304.3/34

All: 778.194+/-0.082 χ^2/NDF: 23971.0/71

- sign 779.157+/-0.115 χ^2/NDF: 10525.2/36

asym_us_dd_dit_correction_mean vs Slug



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

Left Out: -581.188+/-134.924 χ^2/NDF:59.9/18

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

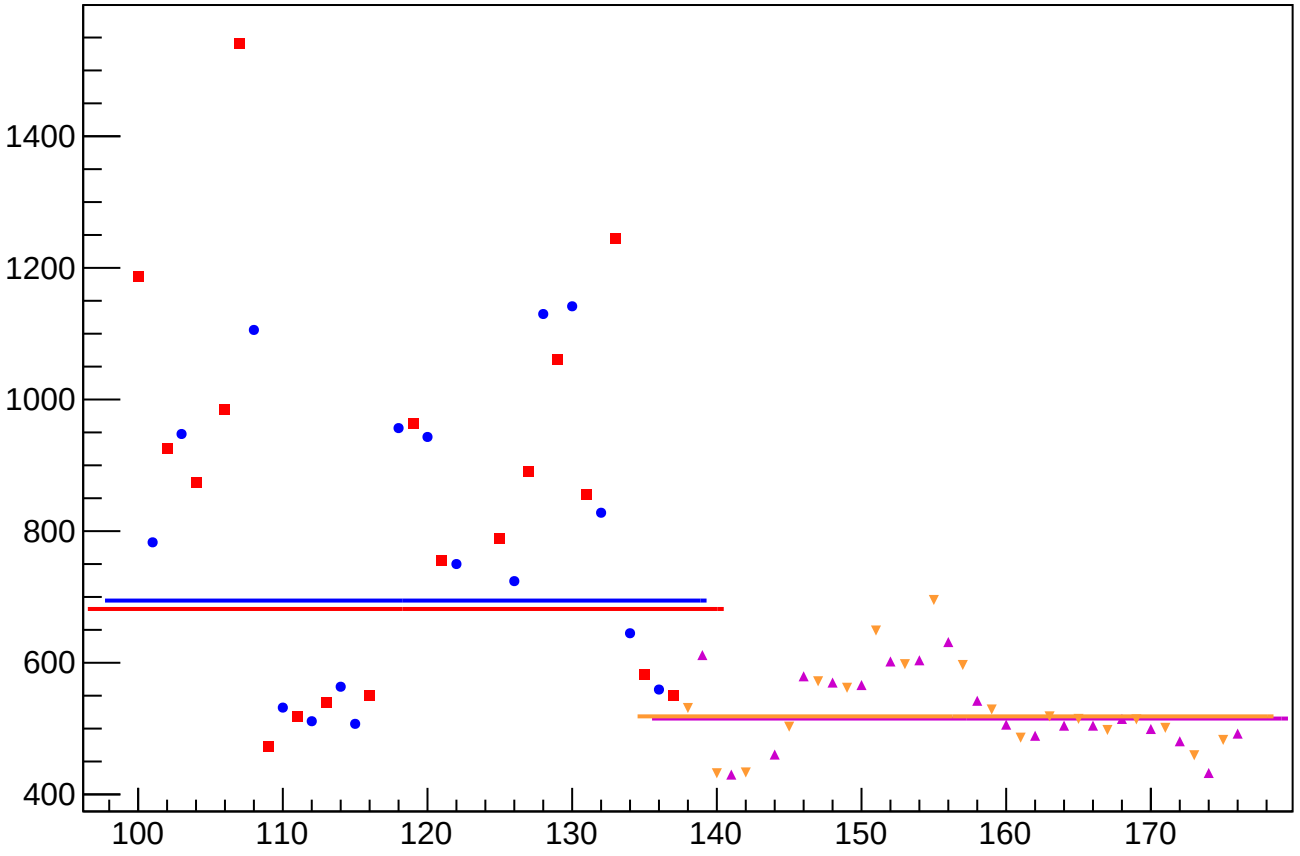
Left In: -173.297+/-131.801 χ^2/NDF:22.3/18

\+ sign -537.608+/-120.632 χ^2/NDF: 83.7/34

All: -388.871+/-84.367 χ^2/NDF: 122.3/71

\- sign -246.469+/-118.035 χ^2/NDF: 35.6/36

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 518.565+/-0.095 χ^2/NDF:405932.0/18

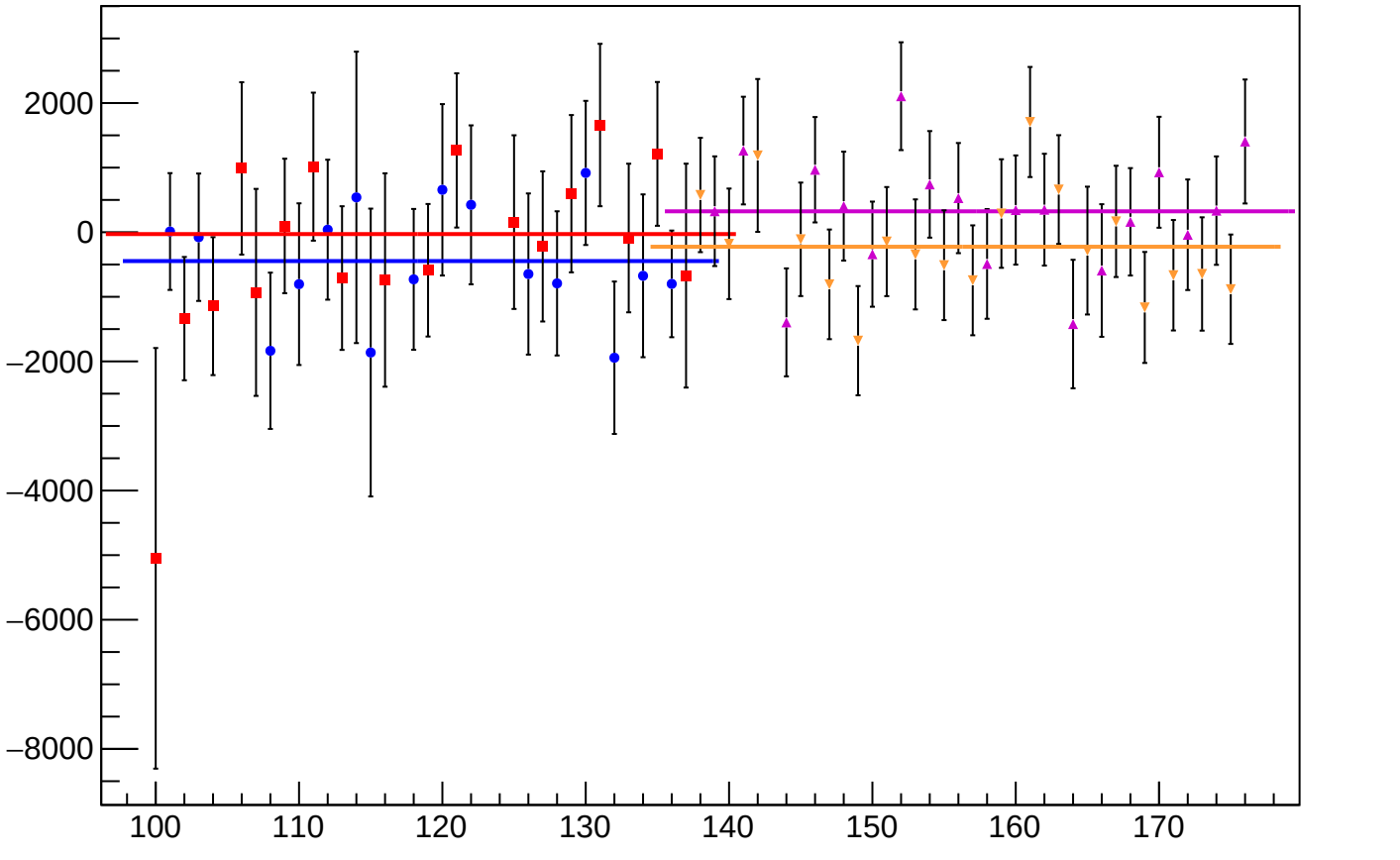
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 515.252+/-0.093 χ^2/NDF:402038.5/18

+ sign 553.868+/-0.085 χ^2/NDF: 2118259.8/34

All: 550.980+/-0.060 χ^2/NDF: 4465707.0/71

- sign 548.215+/-0.083 χ^2/NDF: 2345203.5/36



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

Left Out: -225.047+/-200.123 χ^2/NDF:15.3/18

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

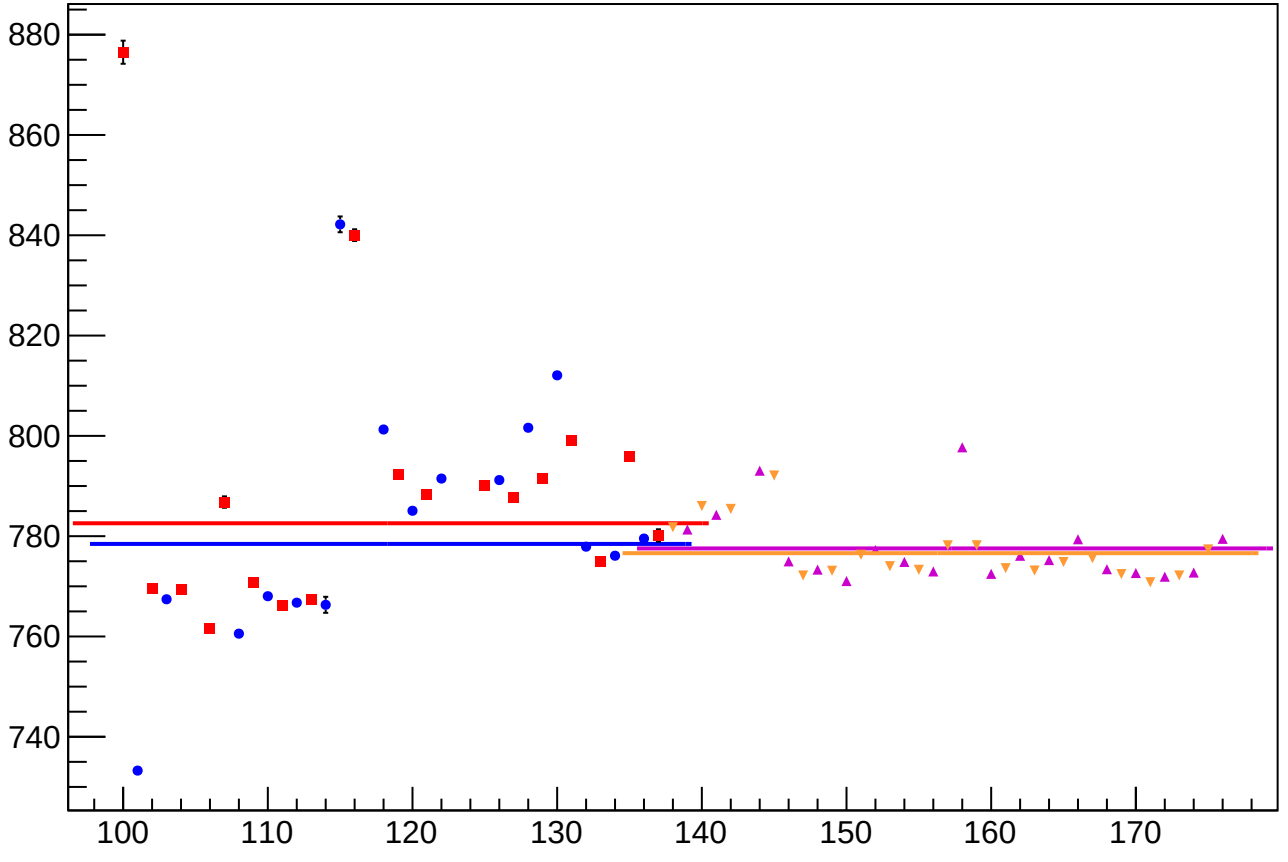
Left In: 323.641+/-197.239 χ^2/NDF:18.5/18

\+ sign -296.792+/-164.571 χ^2/NDF: 23.0/34

All: -39.989+/-115.738 χ^2/NDF: 59.9/71

\- sign 211.317+/-162.801 χ^2/NDF: 32.1/36

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 776.613+/-0.142 χ^2/NDF:1454.2/18

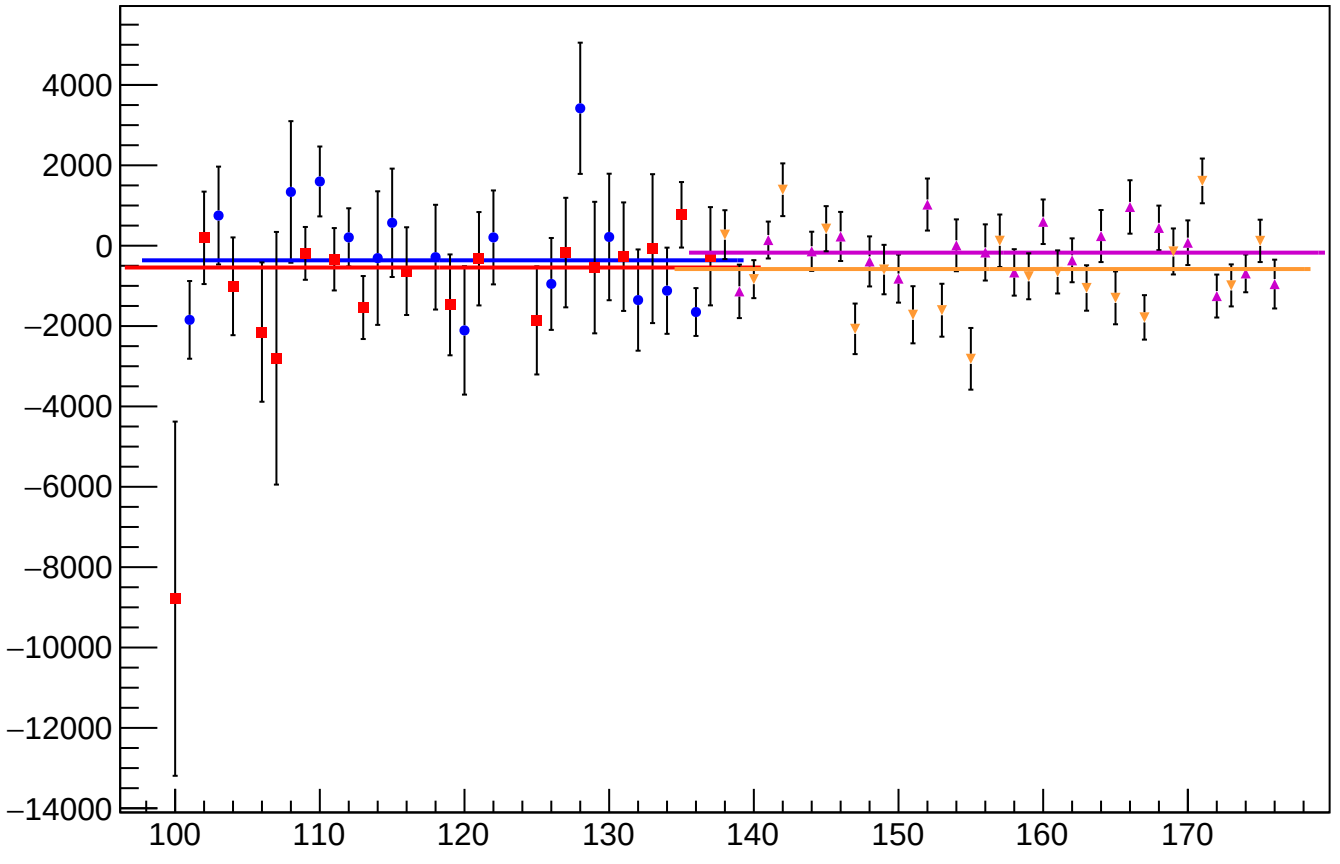
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 777.558+/-0.139 χ^2/NDF:2631.3/18

+ sign 777.210+/-0.116 χ^2/NDF: 13304.2/34

All: 778.194+/-0.082 χ^2/NDF: 23970.9/71

- sign 779.157+/-0.115 χ^2/NDF: 10525.2/36



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

Left Out: -581.188+/-134.924 χ^2/NDF:59.9/18

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

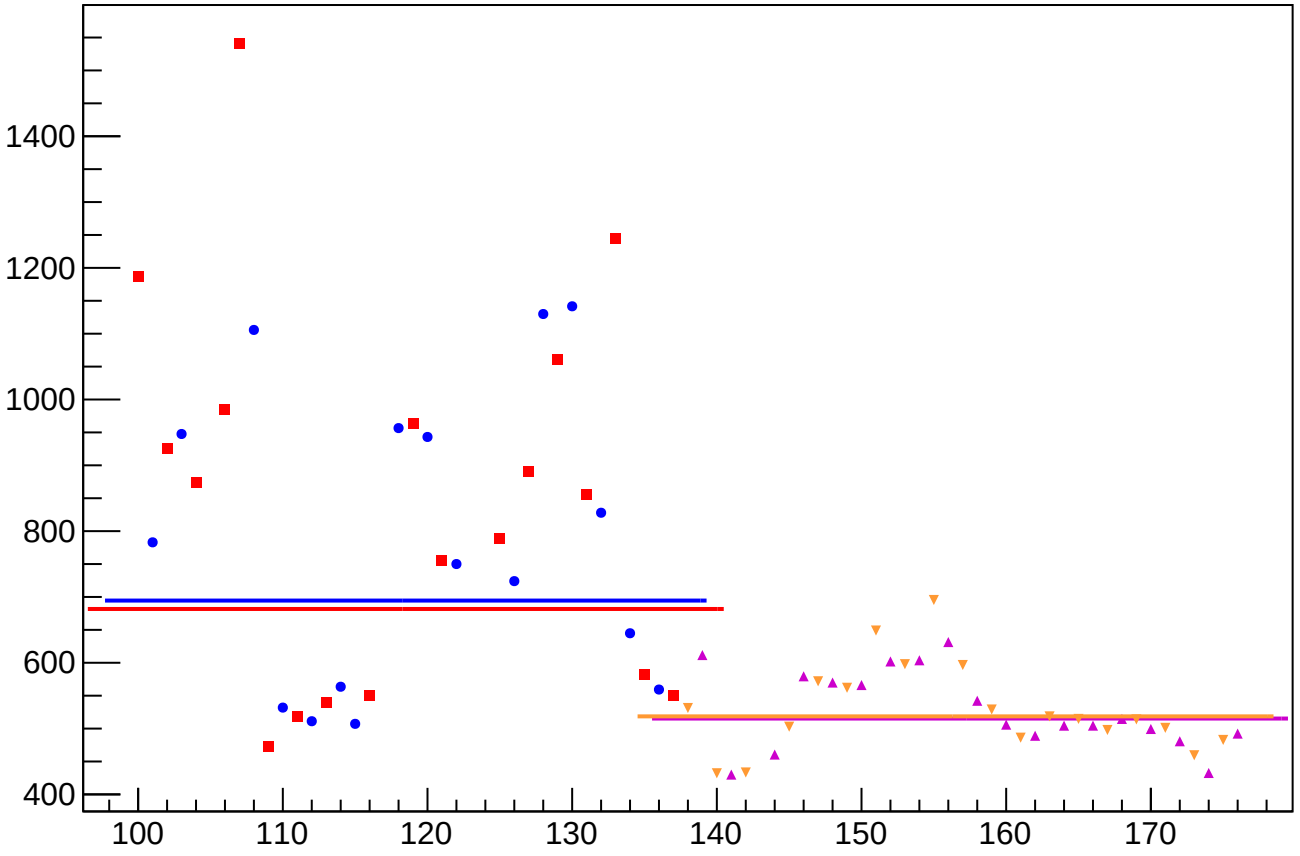
Left In: -173.297+/-131.801 χ^2/NDF:22.3/18

\+ sign -537.607+/-120.632 χ^2/NDF: 83.7/34

All: -388.870+/-84.367 χ^2/NDF: 122.3/71

\- sign -246.469+/-118.035 χ^2/NDF: 35.6/36

asym_us_dd_eigen_dit_correction_rms vs Slug



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

Left Out: 518.565+/-0.095 χ^2/NDF:405943.6/18

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

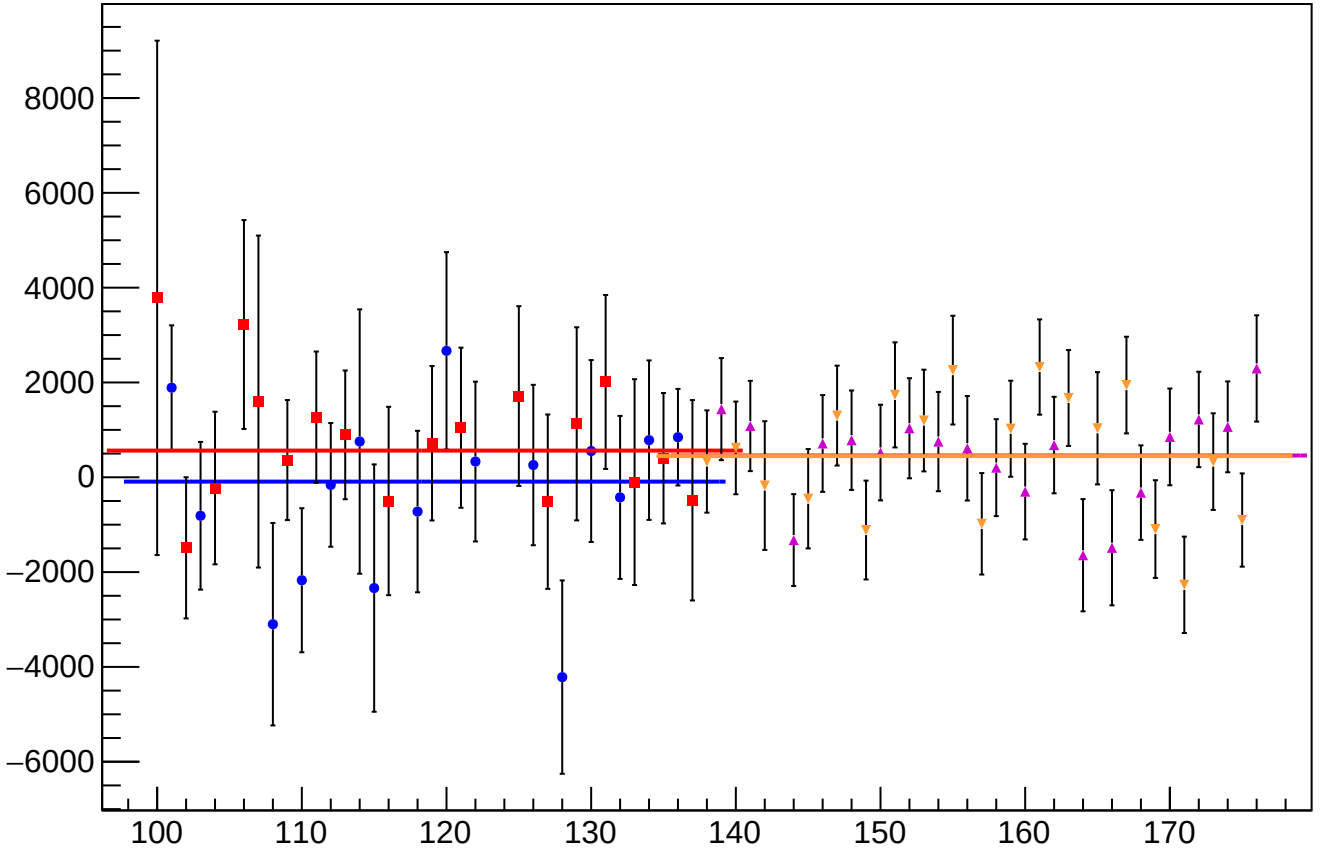
Left In: 515.252+/-0.093 χ^2/NDF:402051.3/18

+ sign 553.868+/-0.085 χ^2/NDF: 2118260.1/34

All: 550.980+/-0.060 χ^2/NDF: 4465718.2/71

- sign 548.215+/-0.083 χ^2/NDF: 2345214.4/36

asym_us_dd_mean vs Slug



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

Left Out: 446.614+/-242.415 χ^2/NDF:29.0/18

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

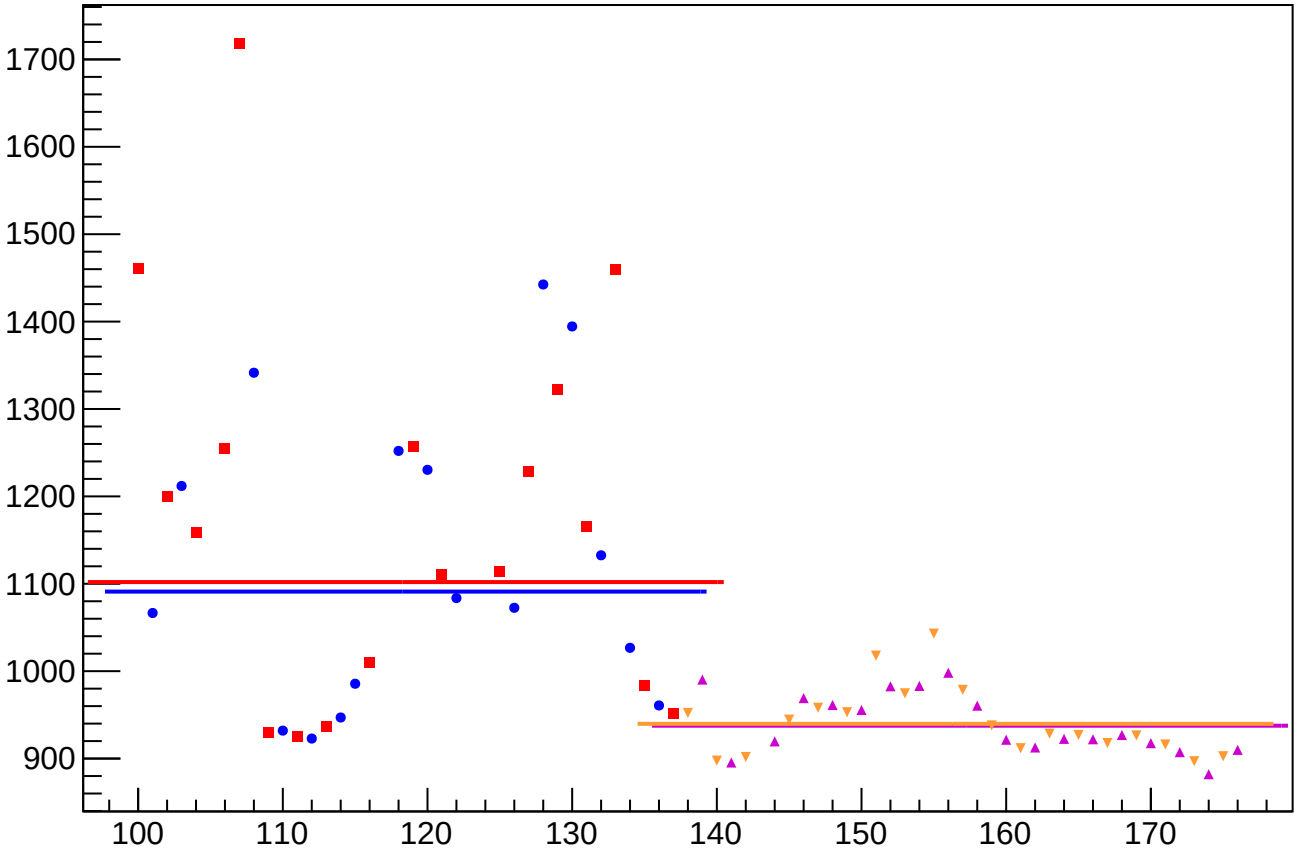
Left In: 459.454+/-238.030 χ^2/NDF:16.0/18

+ sign 307.254+/-208.664 χ^2/NDF: 44.8/34

All: 397.491+/-146.615 χ^2/NDF: 67.7/71

- sign 485.481+/-206.050 χ^2/NDF: 22.6/36

asym_us_dd_rms vs Slug



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

Left Out: 939.743+/-0.171 χ^2/NDF:48090.5/18

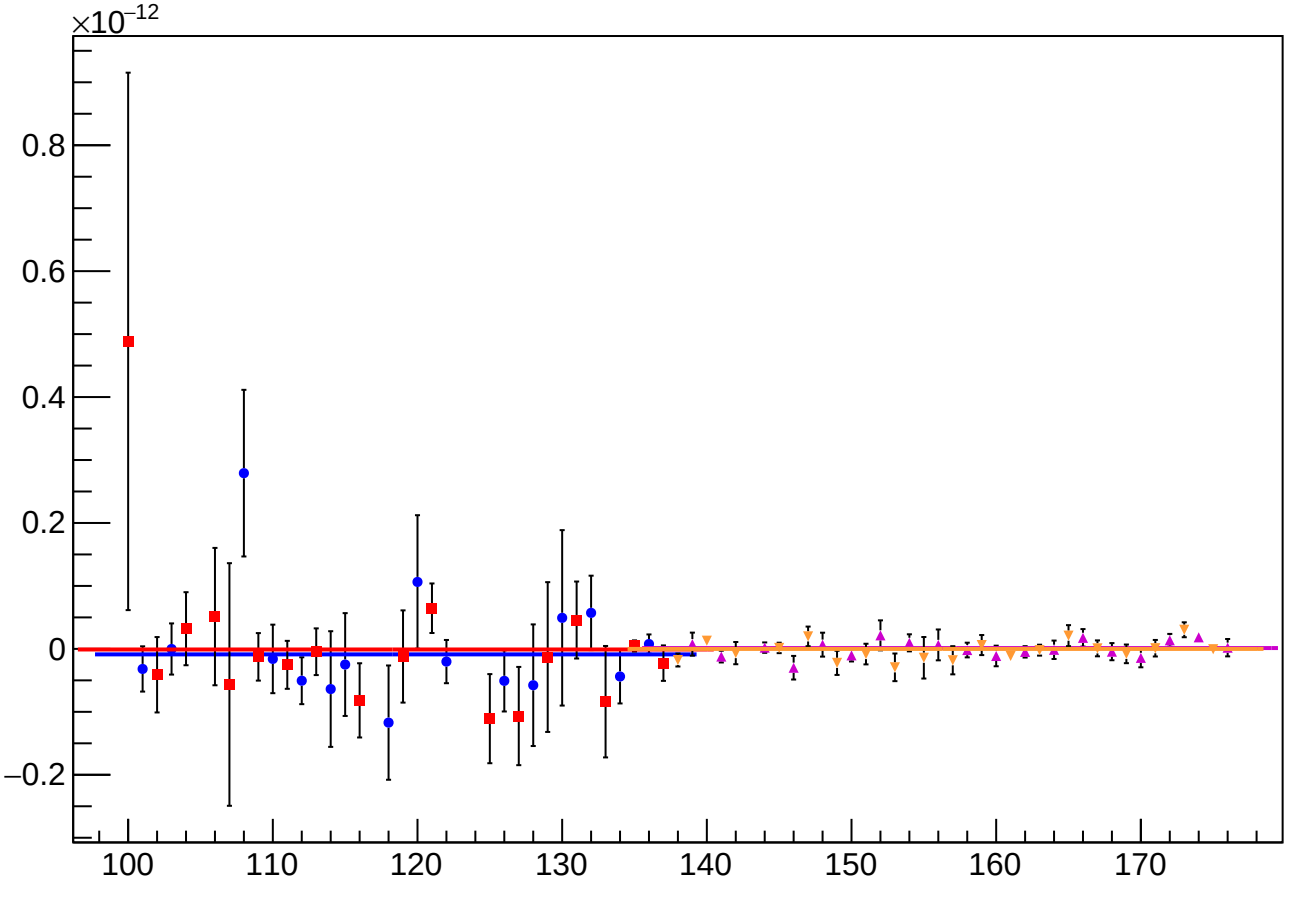
Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

Left In: 937.600+/-0.168 χ^2/NDF:40532.5/18

\+ sign 978.940+/-0.148 χ^2/NDF: 527229.8/34

All: 978.867+/-0.104 χ^2/NDF: 1134867.0/71

\- sign 978.795+/-0.146 χ^2/NDF: 607636.6/36



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

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/18

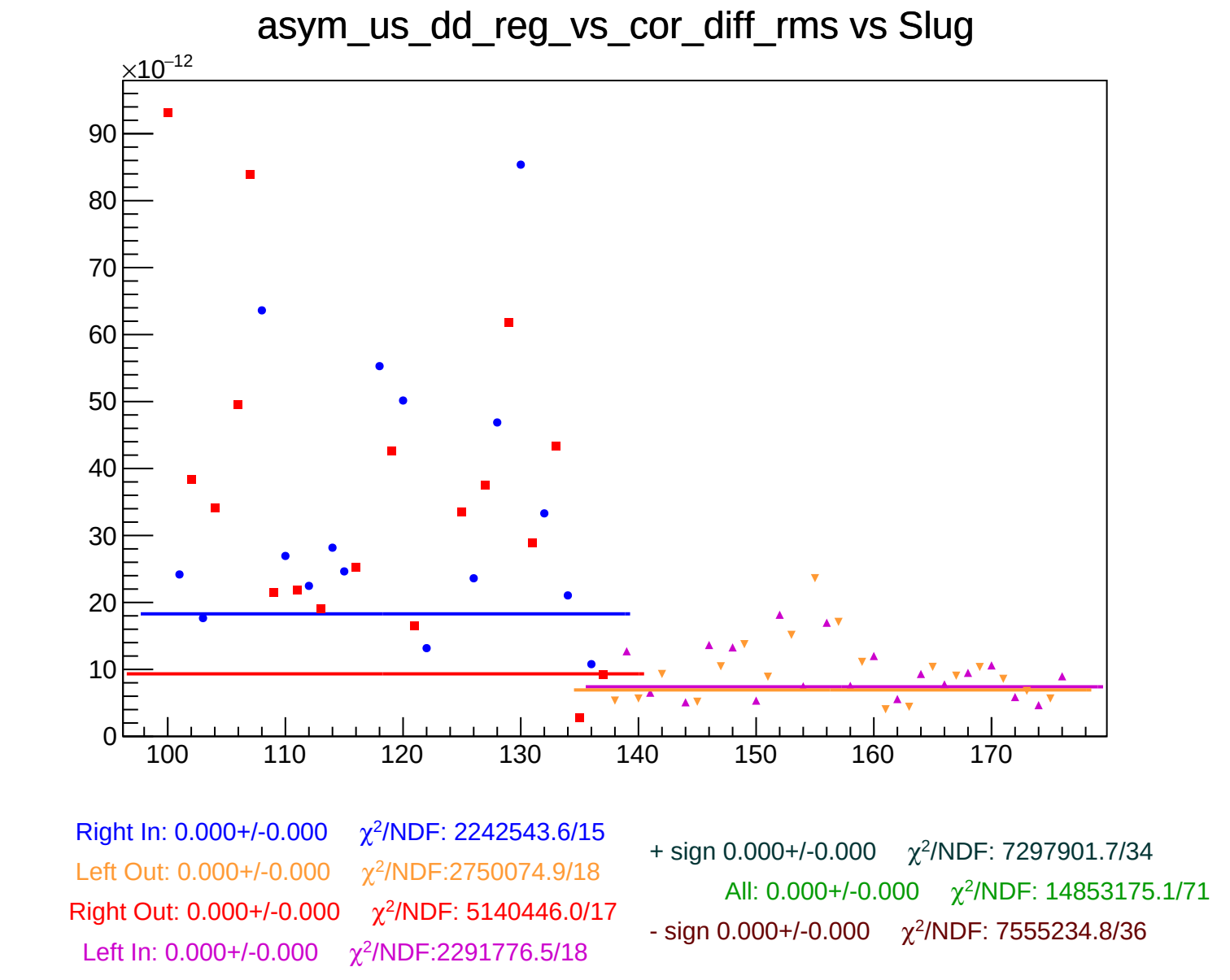
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

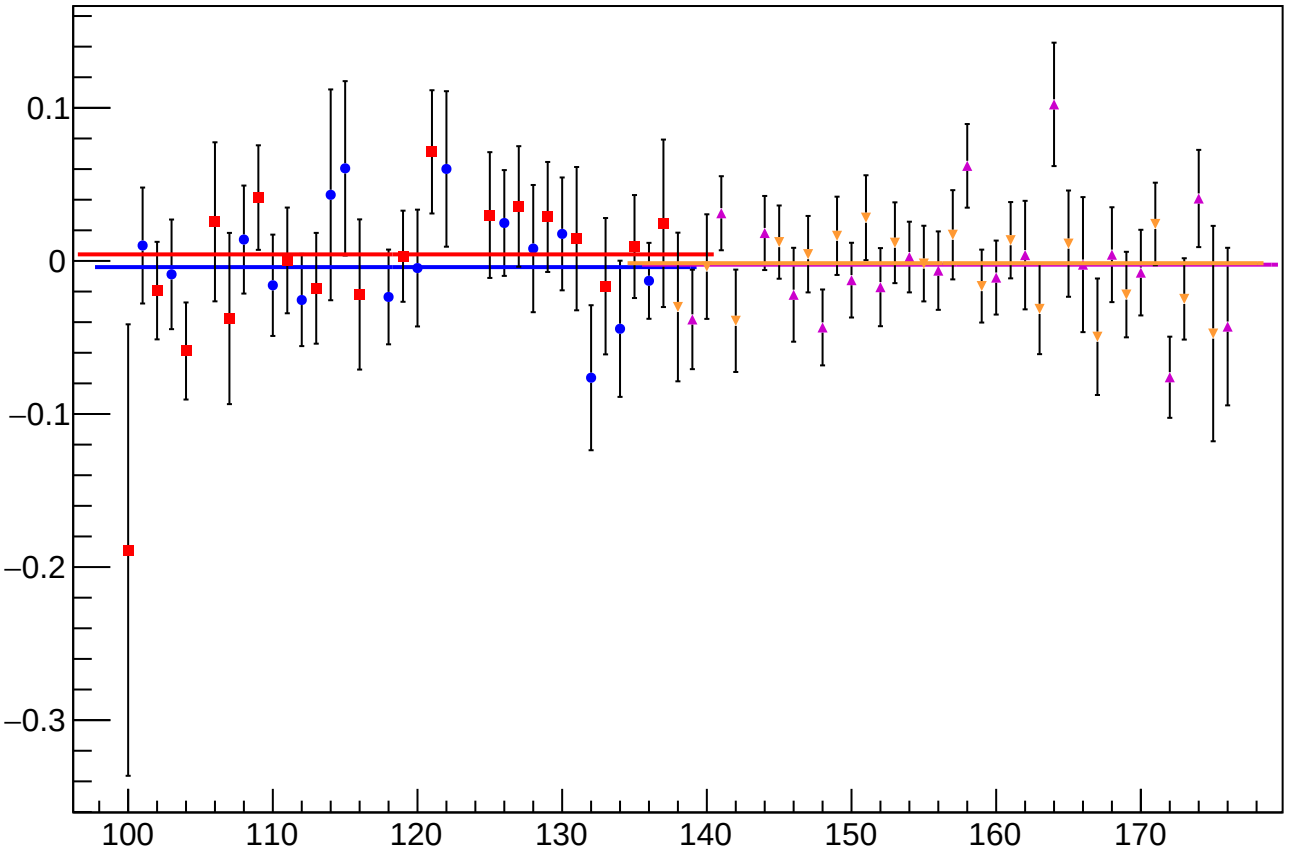
Left In: 0.000+/-0.000 χ^2/NDF:17.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/34

All: 0.000+/-0.000 χ^2/NDF: 69.4/71

- sign 0.000+/-0.000 χ^2/NDF: 32.0/36


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
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2750074.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:2291776.5/18
+ sign 0.000+/-0.000 χ²/NDF: 7297901.7/34
All: 0.000+/-0.000 χ²/NDF: 14853175.1/71
- sign 0.000+/-0.000 χ²/NDF: 7555234.8/36



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

Left Out: -0.001+/-0.007 χ^2/NDF:10.5/18

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

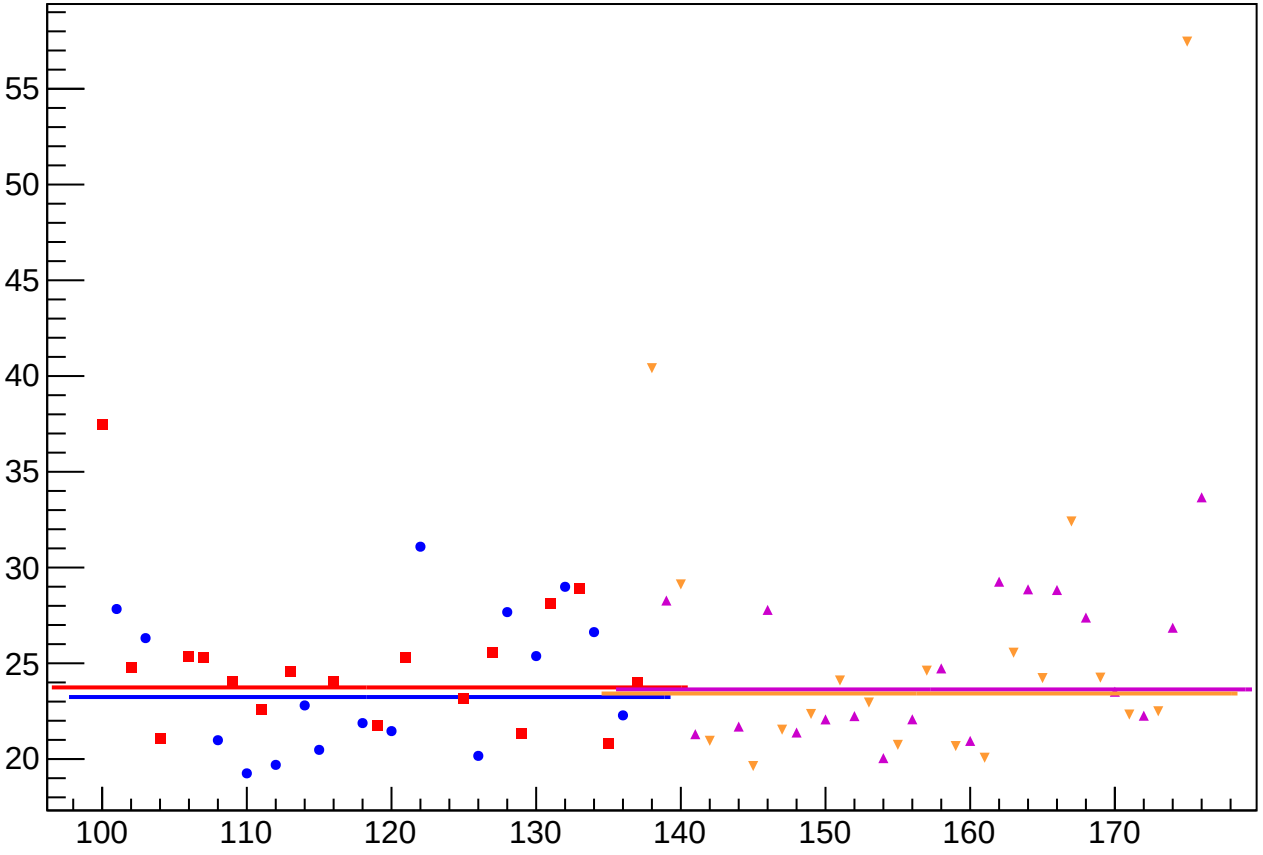
Left In: -0.002+/-0.006 χ^2/NDF:30.3/18

+ sign -0.002+/-0.005 χ^2/NDF: 19.7/34

All: -0.001+/-0.004 χ^2/NDF: 64.0/71

- sign -0.000+/-0.005 χ^2/NDF: 44.2/36

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 23.422+/-0.005 χ^2/NDF:1066385.3/18

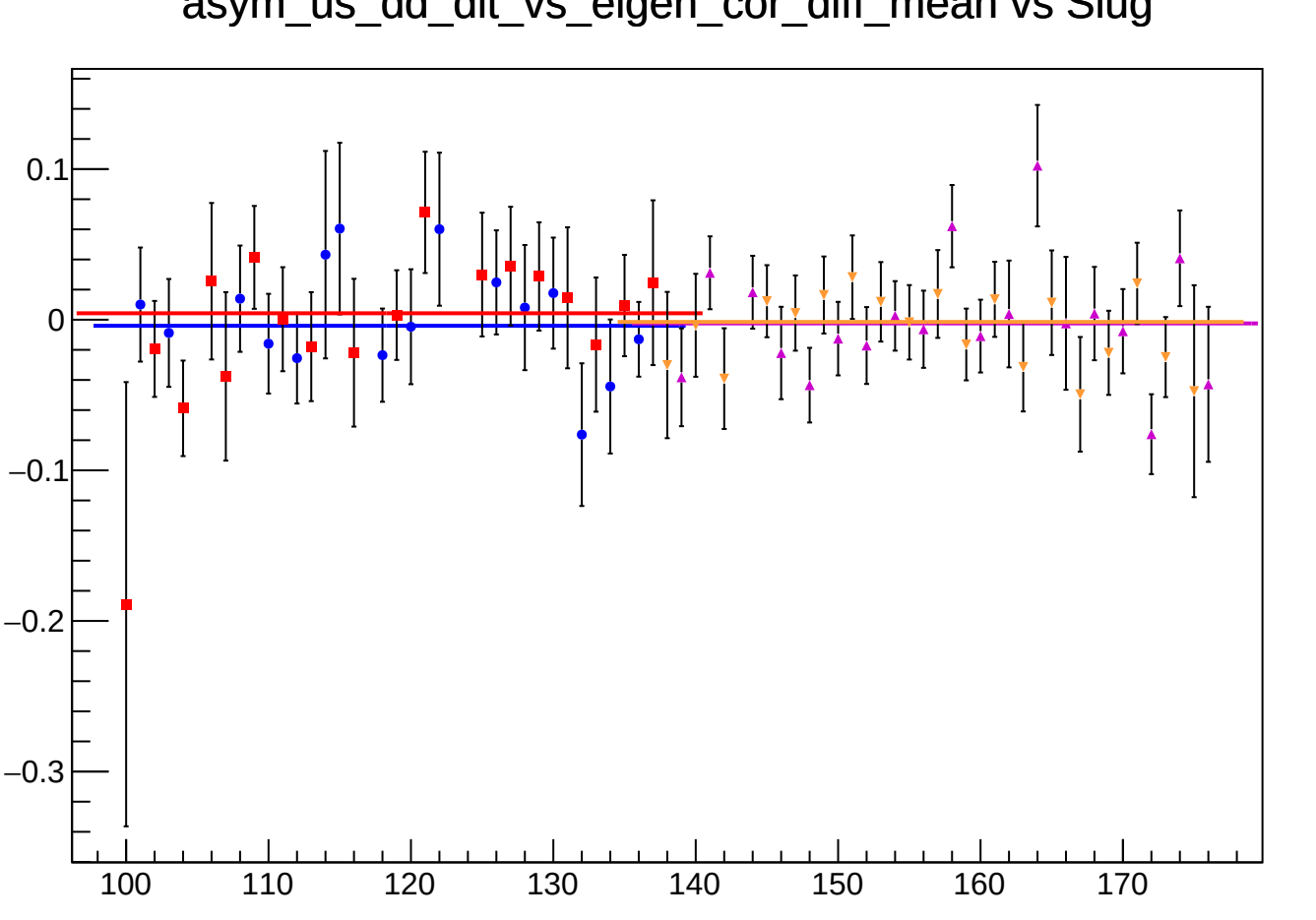
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.636+/-0.005 χ^2/NDF:466350.0/18

+ sign 23.360+/-0.004 χ^2/NDF: 1326143.2/34

All: 23.516+/-0.003 χ^2/NDF: 1922201.6/71

- sign 23.670+/-0.004 χ^2/NDF: 592703.8/36



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

Left Out: -0.001+/-0.007 χ^2/NDF:10.5/18

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

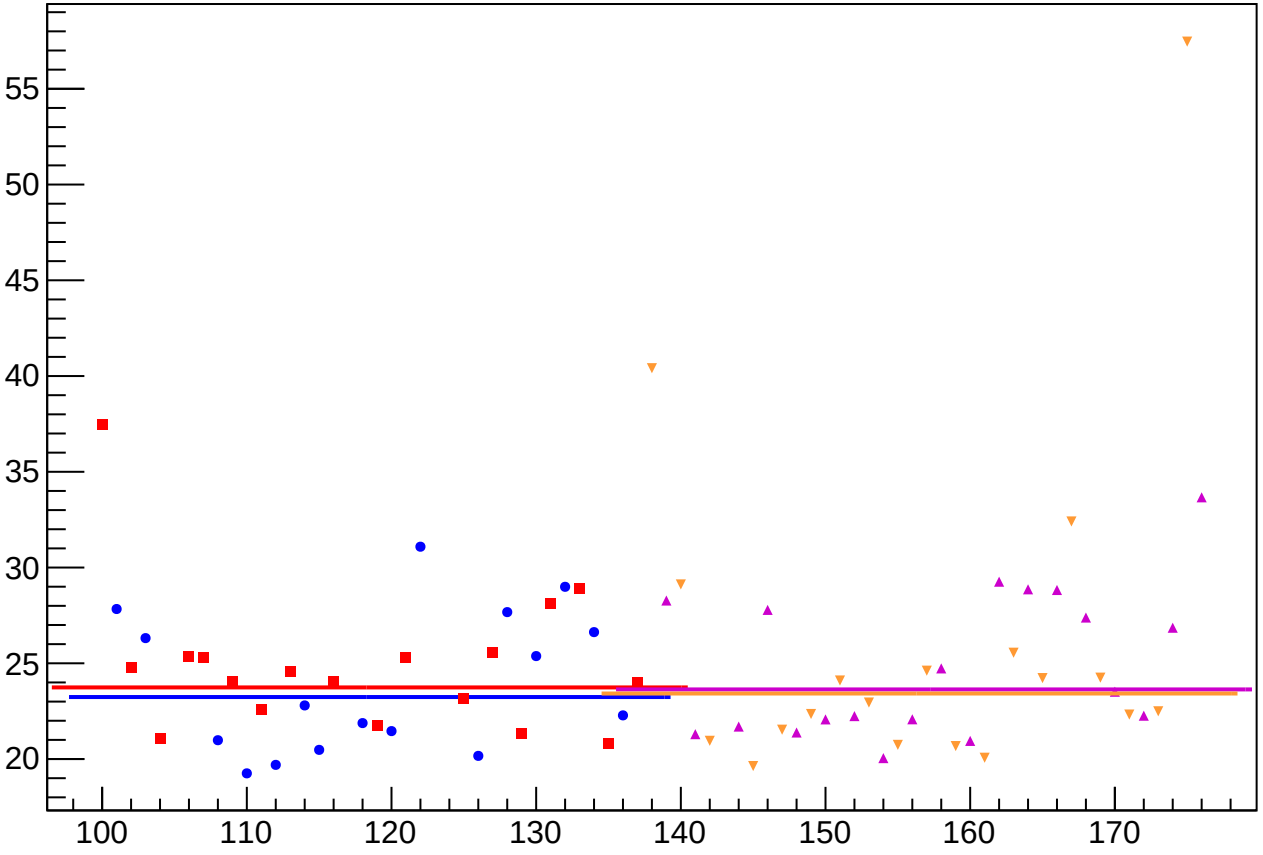
Left In: -0.002+/-0.006 χ^2/NDF:30.3/18

+ sign -0.002+/-0.005 χ^2/NDF: 19.7/34

All: -0.001+/-0.004 χ^2/NDF: 64.0/71

- sign -0.000+/-0.005 χ^2/NDF: 44.2/36

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: 23.422+/-0.005 χ^2/NDF:1066385.3/18

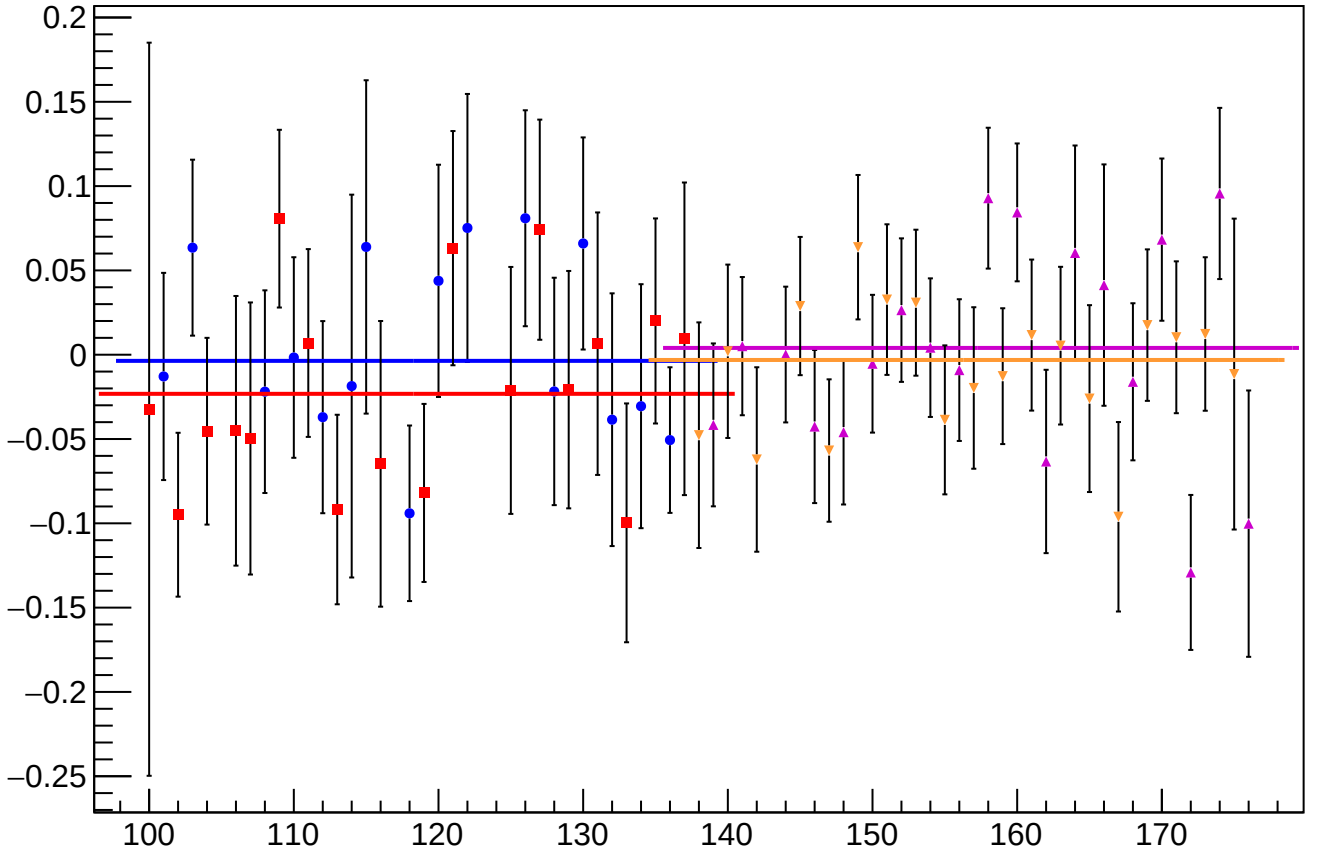
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.636+/-0.005 χ^2/NDF:466350.0/18

+ sign 23.360+/-0.004 χ^2/NDF: 1326143.2/34

All: 23.516+/-0.003 χ^2/NDF: 1922201.6/71

- sign 23.670+/-0.004 χ^2/NDF: 592703.8/36



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.8/18

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

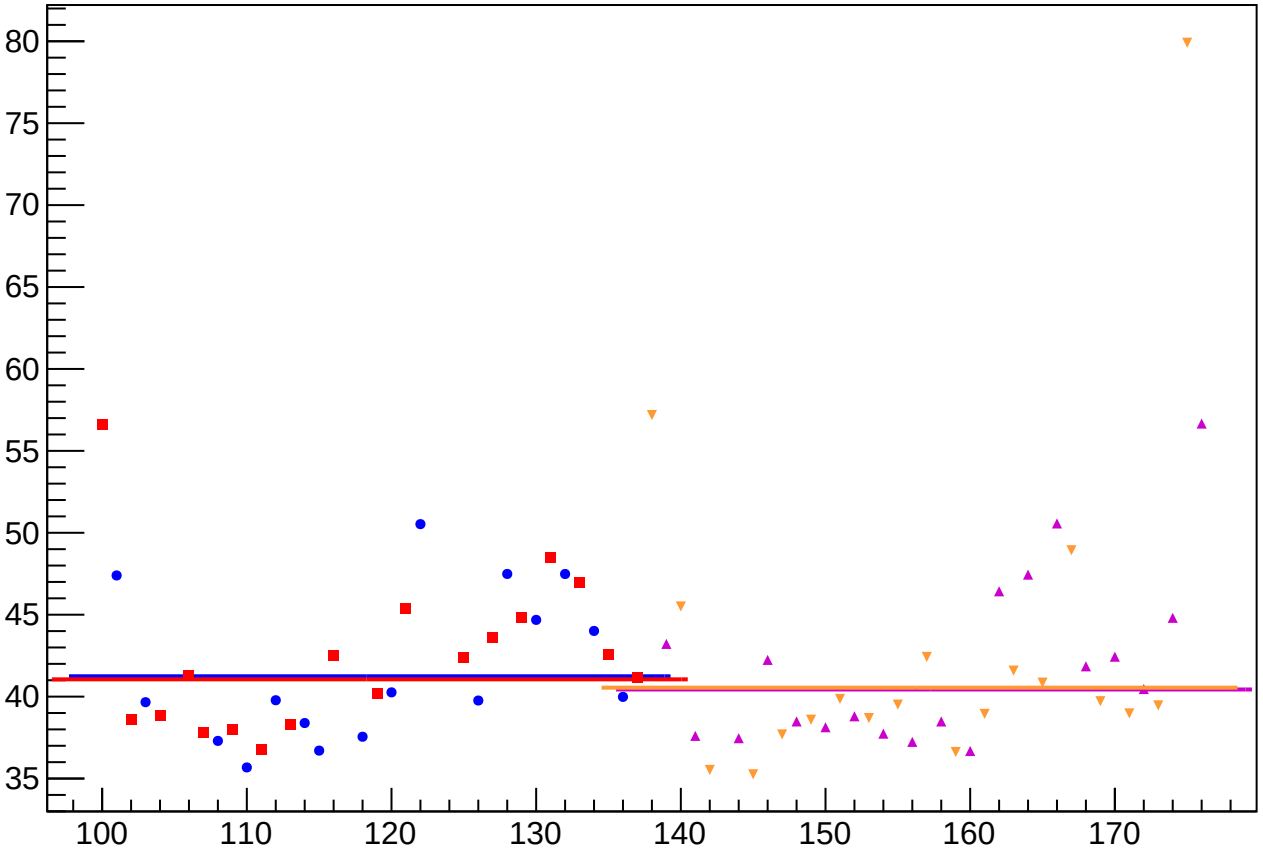
Left In: 0.004+/-0.011 χ^2/NDF:30.1/18

+ sign -0.003+/-0.009 χ^2/NDF: 23.5/34

All: -0.004+/-0.006 χ^2/NDF: 71.1/71

- sign -0.005+/-0.009 χ^2/NDF: 47.6/36

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.242+/-0.011 χ^2/NDF: 135279.1/15

Left Out: 40.546+/-0.008 χ^2/NDF:650016.8/18

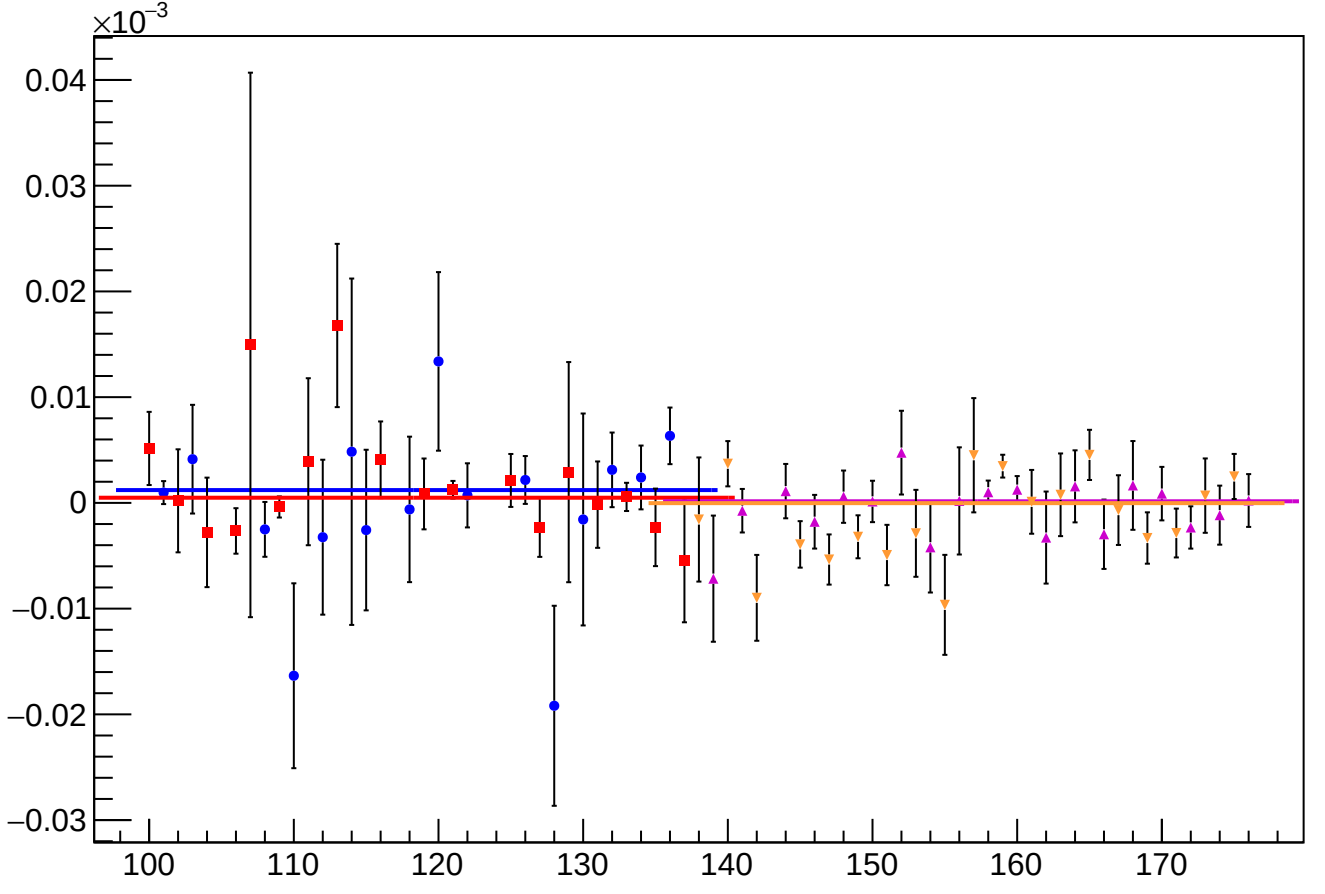
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 40.436+/-0.008 χ^2/NDF:278323.9/18

+ sign 40.771+/-0.006 χ^2/NDF: 787939.1/34

All: 40.701+/-0.004 χ^2/NDF: 1165232.1/71

- sign 40.634+/-0.006 χ^2/NDF: 377052.0/36



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

Left Out: -0.000+/-0.000 χ^2/NDF:46.0/18

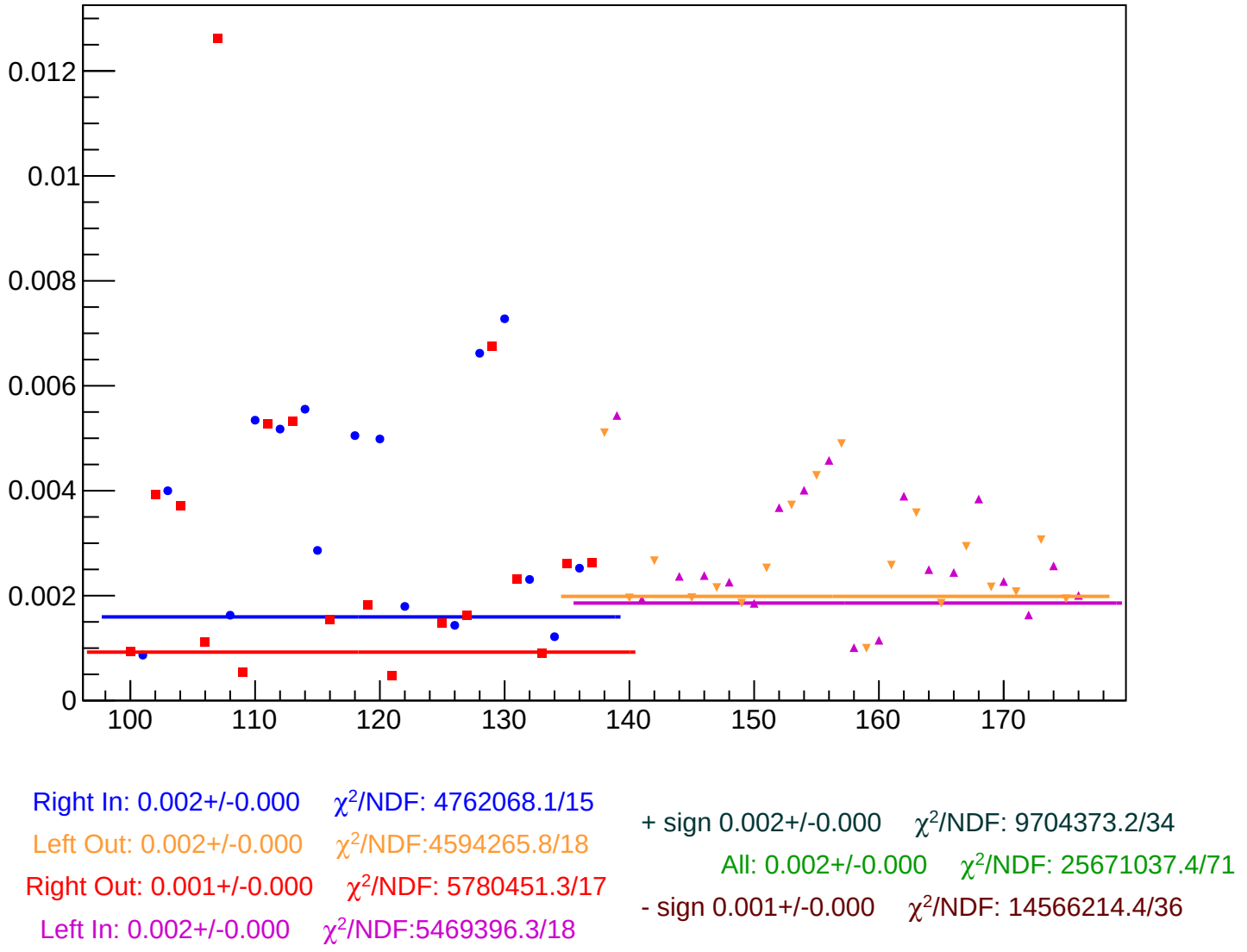
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

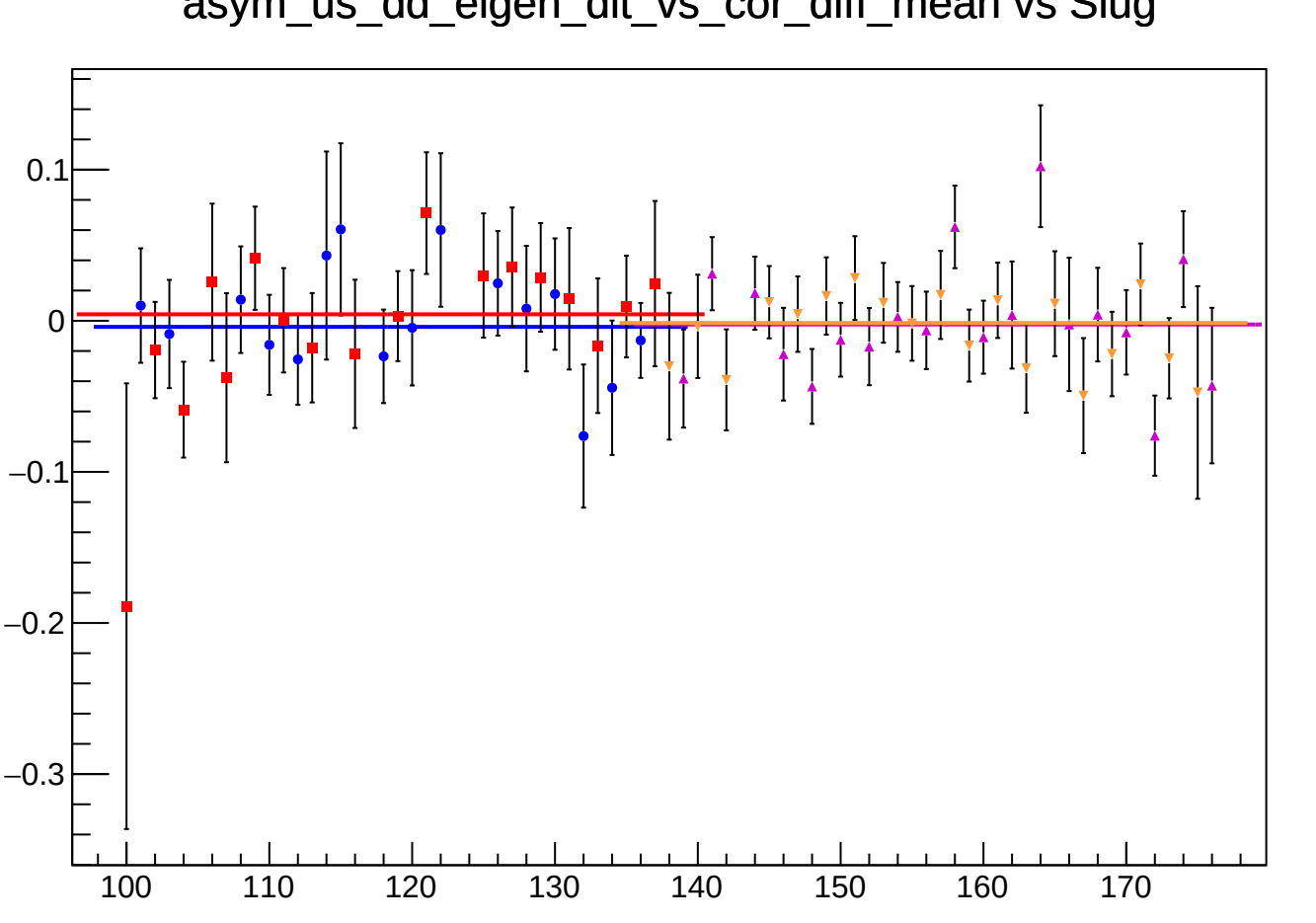
Left In: 0.000+/-0.000 χ^2/NDF:9.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 66.1/34

All: 0.000+/-0.000 χ^2/NDF: 91.1/71

- sign 0.000+/-0.000 χ^2/NDF: 25.0/36


asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 4762068.1/15
Left Out: 0.002+/-0.000 χ²/NDF:4594265.8/18
Right Out: 0.001+/-0.000 χ²/NDF: 5780451.3/17
Left In: 0.002+/-0.000 χ²/NDF:5469396.3/18
+ sign 0.002+/-0.000 χ²/NDF: 9704373.2/34
All: 0.002+/-0.000 χ²/NDF: 25671037.4/71
- sign 0.001+/-0.000 χ²/NDF: 14566214.4/36



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

Left Out: -0.001+/-0.007 χ^2/NDF:10.5/18

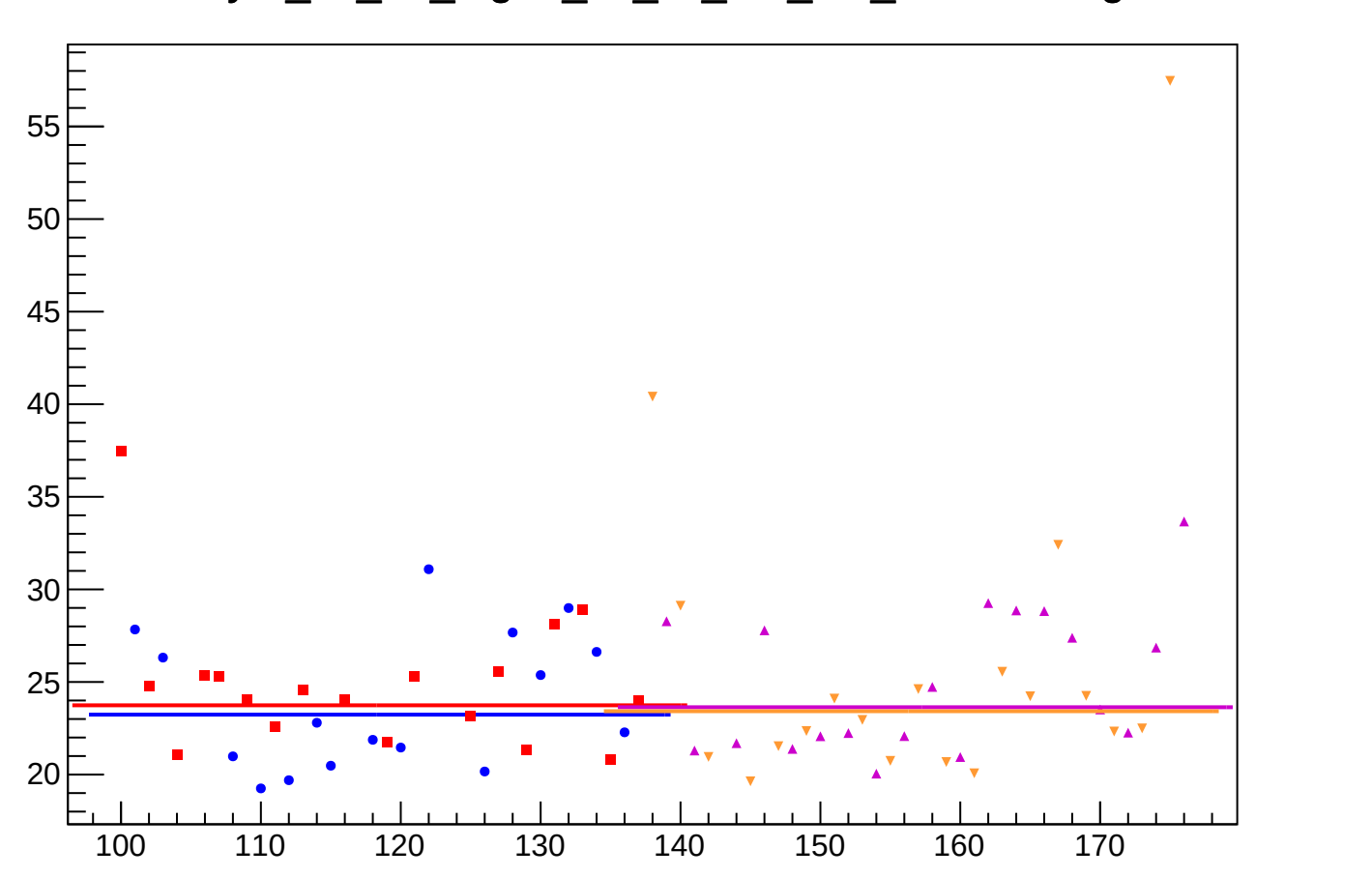
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.002+/-0.006 χ^2/NDF:30.3/18

+ sign -0.002+/-0.005 χ^2/NDF: 19.7/34

All: -0.001+/-0.004 χ^2/NDF: 64.0/71

- sign -0.000+/-0.005 χ^2/NDF: 44.2/36



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

Left Out: 23.422+/-0.005 χ^2/NDF:1066408.0/18

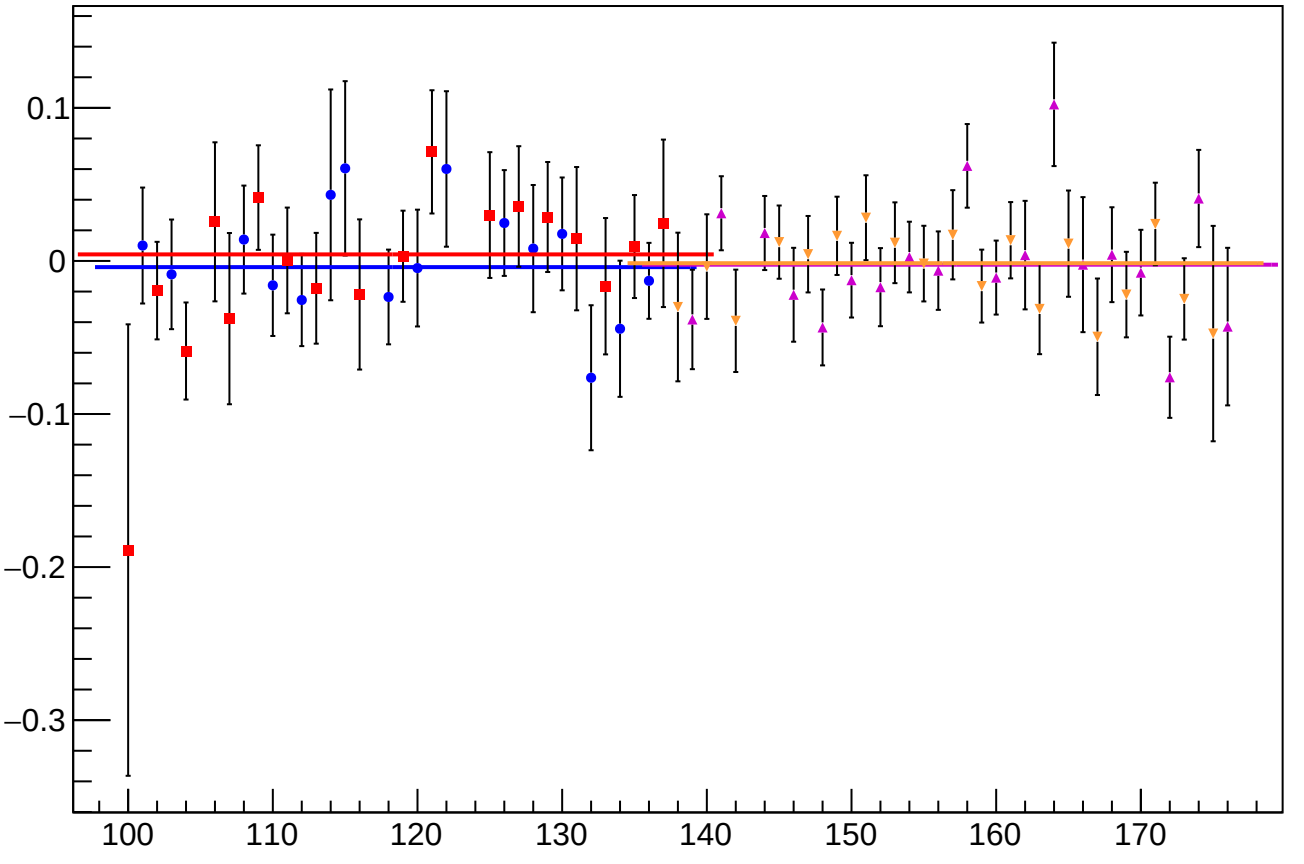
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.636+/-0.005 χ^2/NDF:466289.4/18

+ sign 23.360+/-0.004 χ^2/NDF: 1326158.8/34

All: 23.516+/-0.003 χ^2/NDF: 1922115.5/71

- sign 23.670+/-0.004 χ^2/NDF: 592592.3/36



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

Left Out: -0.001+/-0.007 χ^2/NDF:10.5/18

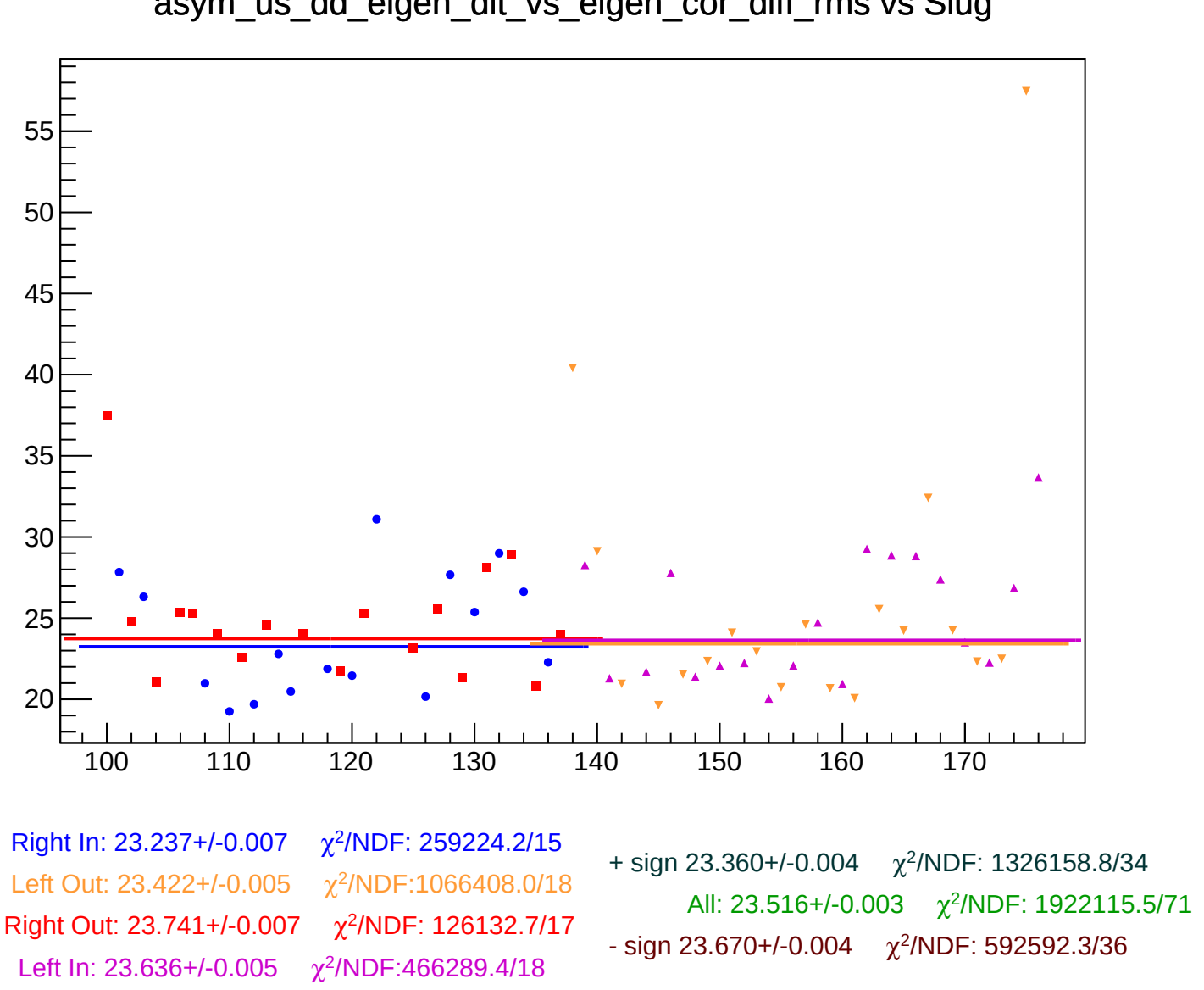
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

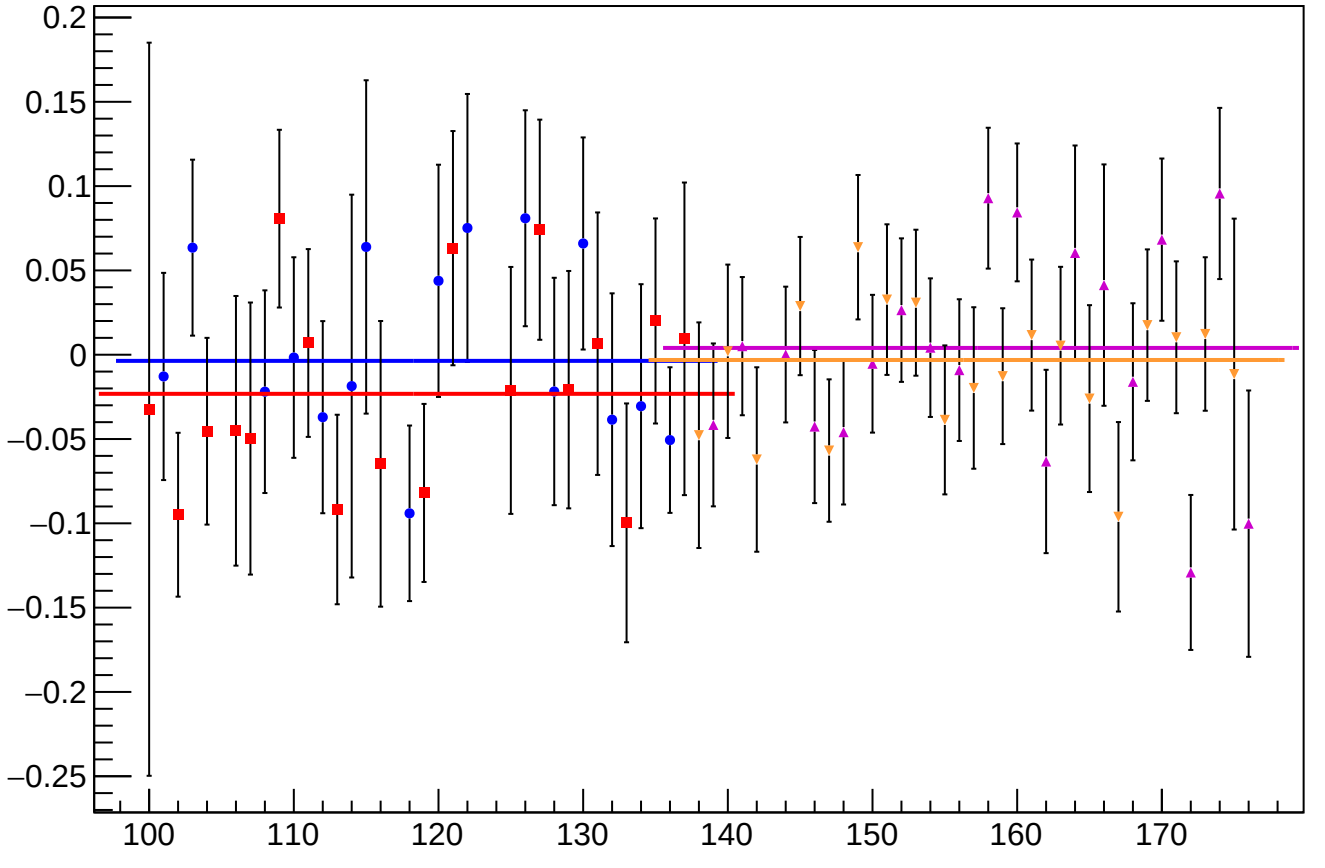
Left In: -0.002+/-0.006 χ^2/NDF:30.3/18

+ sign -0.002+/-0.005 χ^2/NDF: 19.7/34

All: -0.001+/-0.004 χ^2/NDF: 64.0/71

- sign -0.000+/-0.005 χ^2/NDF: 44.2/36


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
55
50
45
40
35
30
25
20
100
110
120
130
140
150
160
170
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 23.422+/-0.005 χ²/NDF:1066408.0/18
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 23.636+/-0.005 χ²/NDF:466289.4/18
+ sign 23.360+/-0.004 χ²/NDF: 1326158.8/34
All: 23.516+/-0.003 χ²/NDF: 1922115.5/71
- sign 23.670+/-0.004 χ²/NDF: 592592.3/36



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.8/18

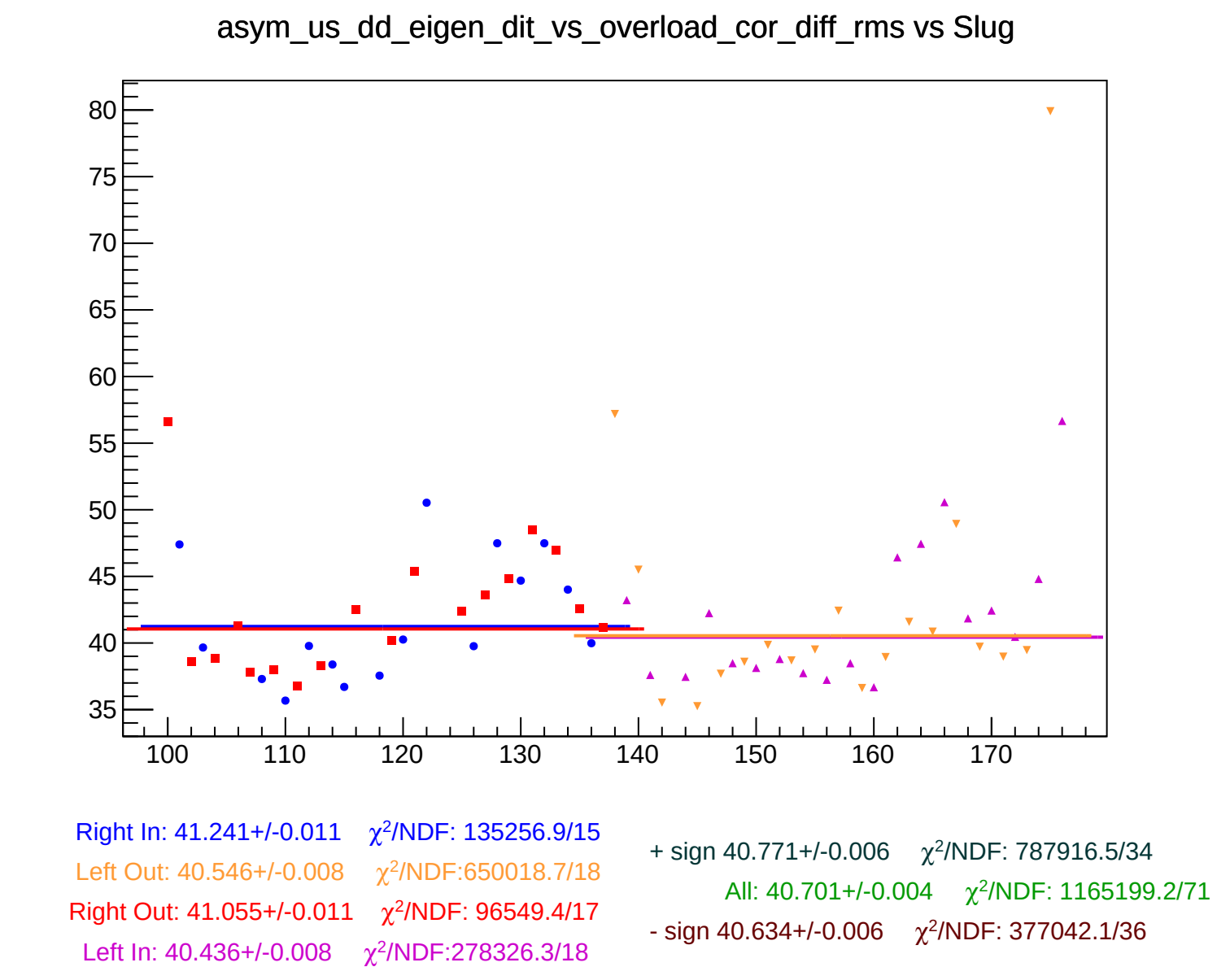
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

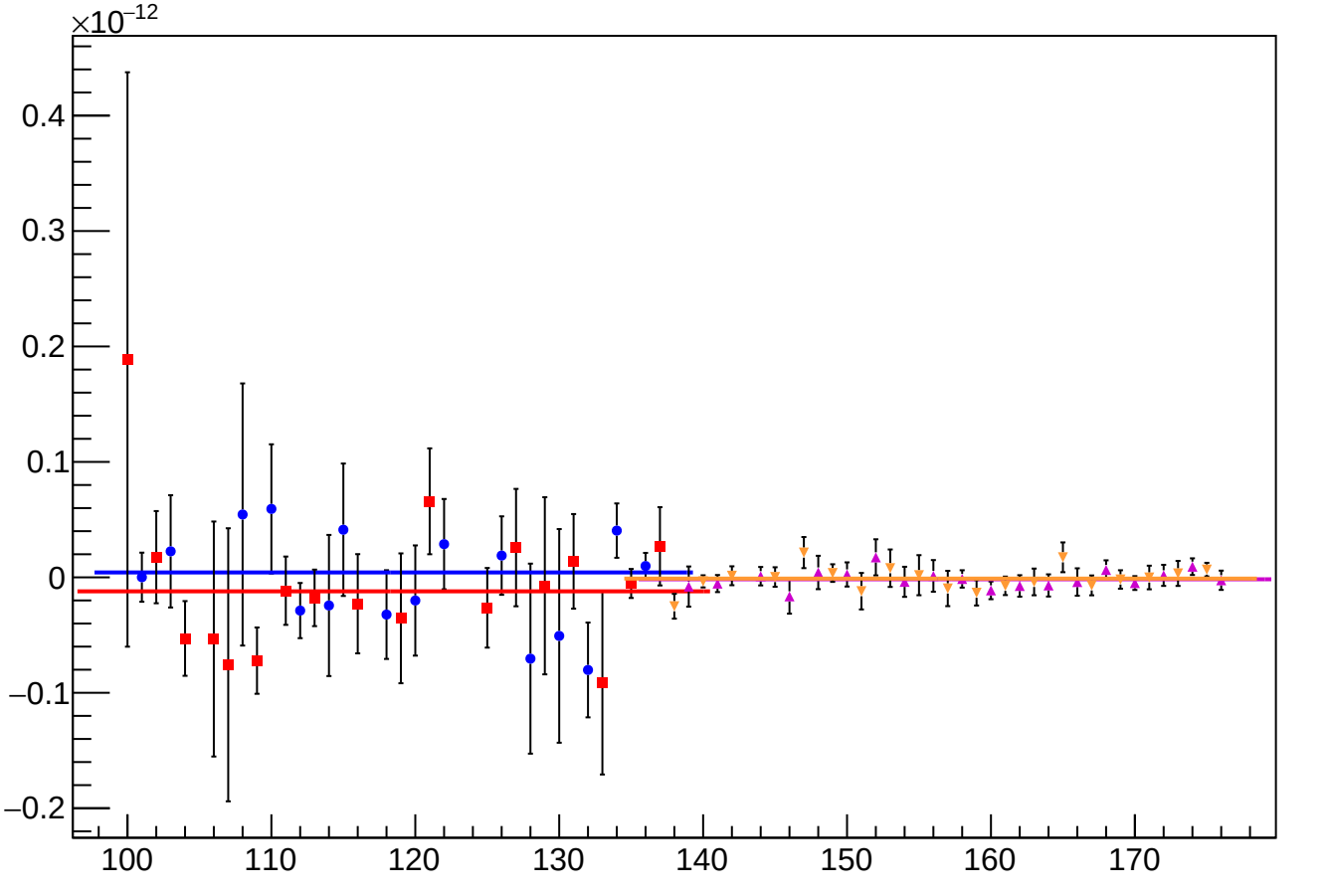
Left In: 0.004+/-0.011 χ^2/NDF:30.1/18

+ sign -0.003+/-0.009 χ^2/NDF: 23.5/34

All: -0.004+/-0.006 χ^2/NDF: 71.1/71

- sign -0.005+/-0.009 χ^2/NDF: 47.6/36


asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug
80
75
70
65
60
55
50
45
40
35
100
110
120
130
140
150
160
170
Right In: 41.241+/-0.011 χ²/NDF: 135256.9/15
Left Out: 40.546+/-0.008 χ²/NDF:650018.7/18
Right Out: 41.055+/-0.011 χ²/NDF: 96549.4/17
Left In: 40.436+/-0.008 χ²/NDF:278326.3/18
+ sign 40.771+/-0.006 χ²/NDF: 787916.5/34
All: 40.701+/-0.004 χ²/NDF: 1165199.2/71
- sign 40.634+/-0.006 χ²/NDF: 377042.1/36



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

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/18

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

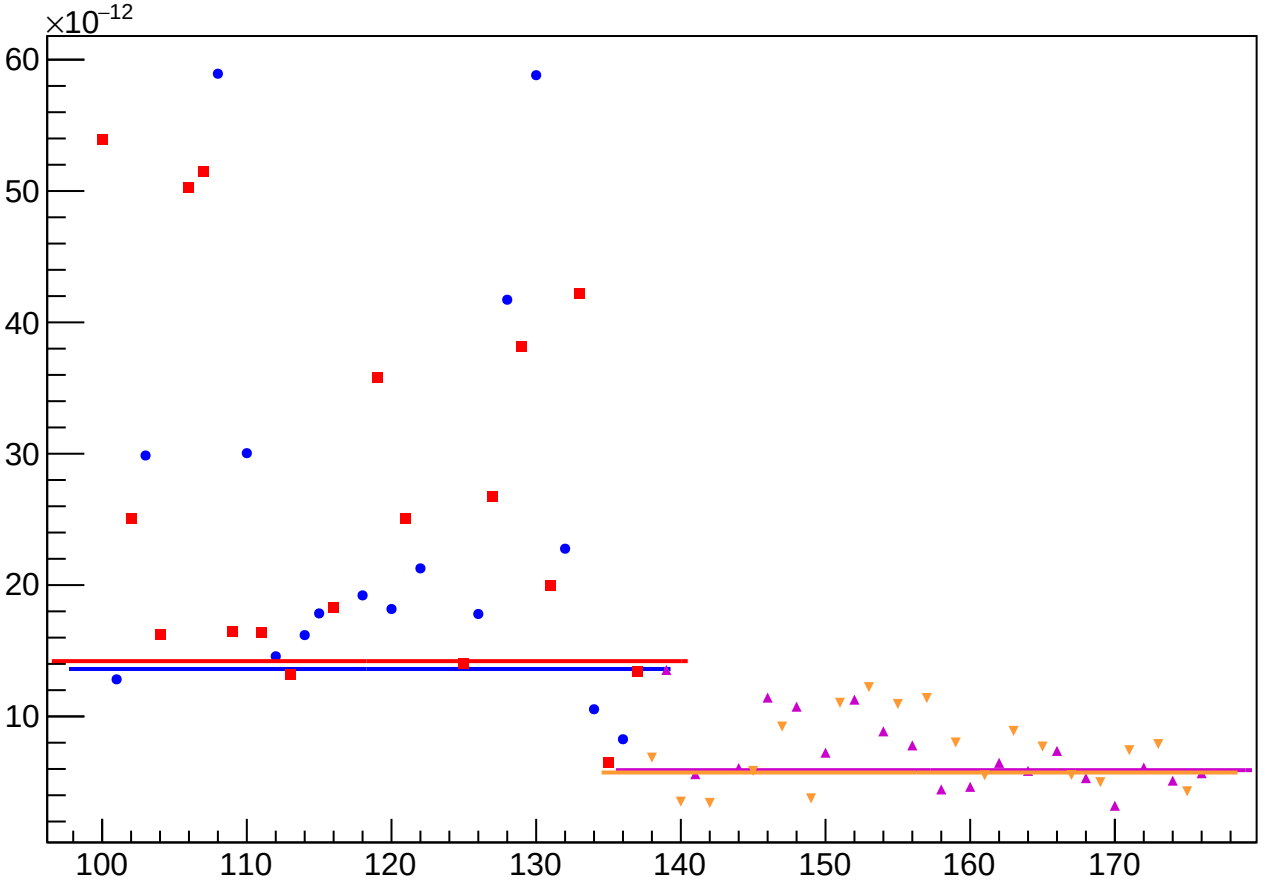
Left In: -0.000+/-0.000 χ^2/NDF:9.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/34

All: -0.000+/-0.000 χ^2/NDF: 56.0/71

- sign -0.000+/-0.000 χ^2/NDF: 25.5/36

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:2362693.7/18

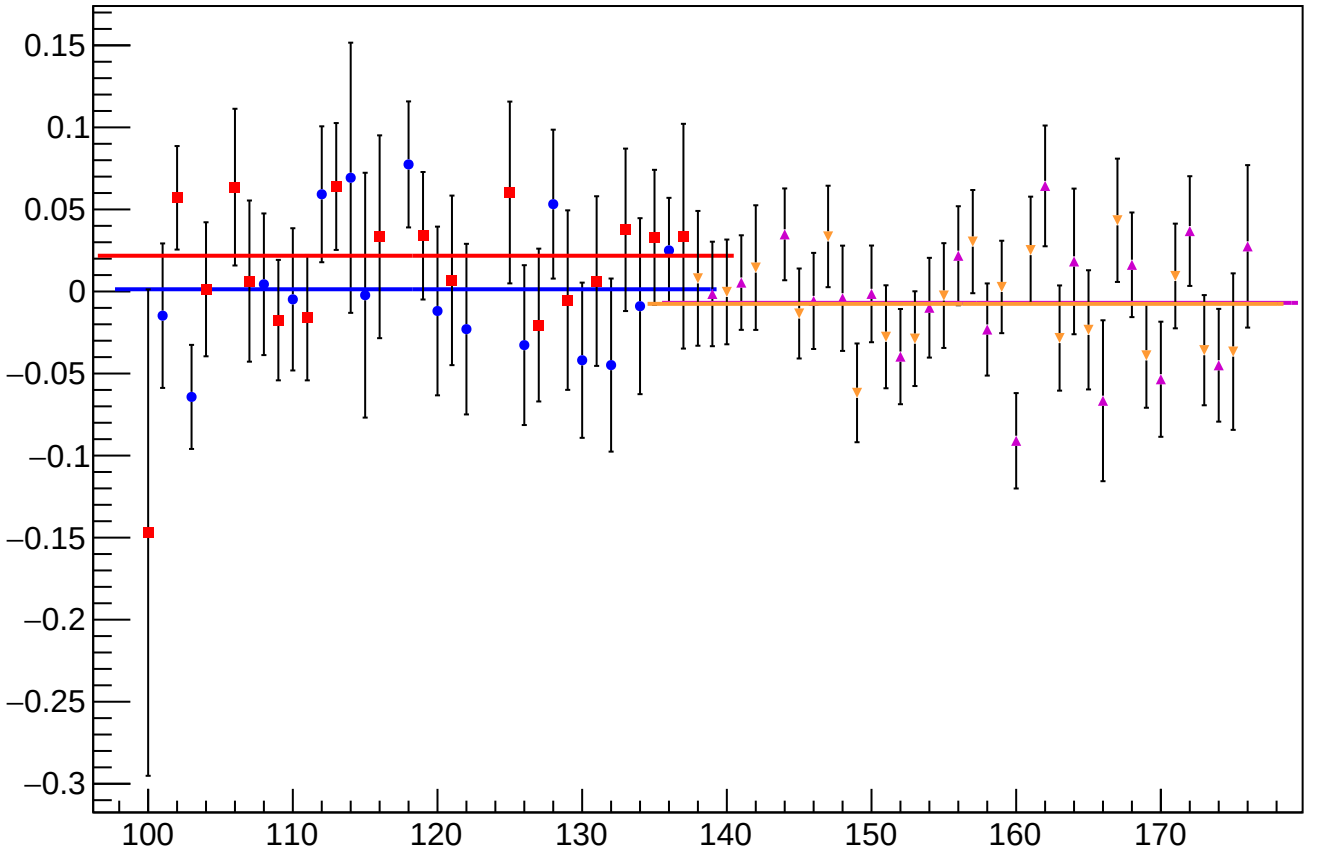
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1906289.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 6661595.4/34

All: 0.000+/-0.000 χ^2/NDF: 13159913.8/71

- sign 0.000+/-0.000 χ^2/NDF: 6492496.0/36



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

Left Out: -0.008+/-0.007 χ^2/NDF:13.9/18

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

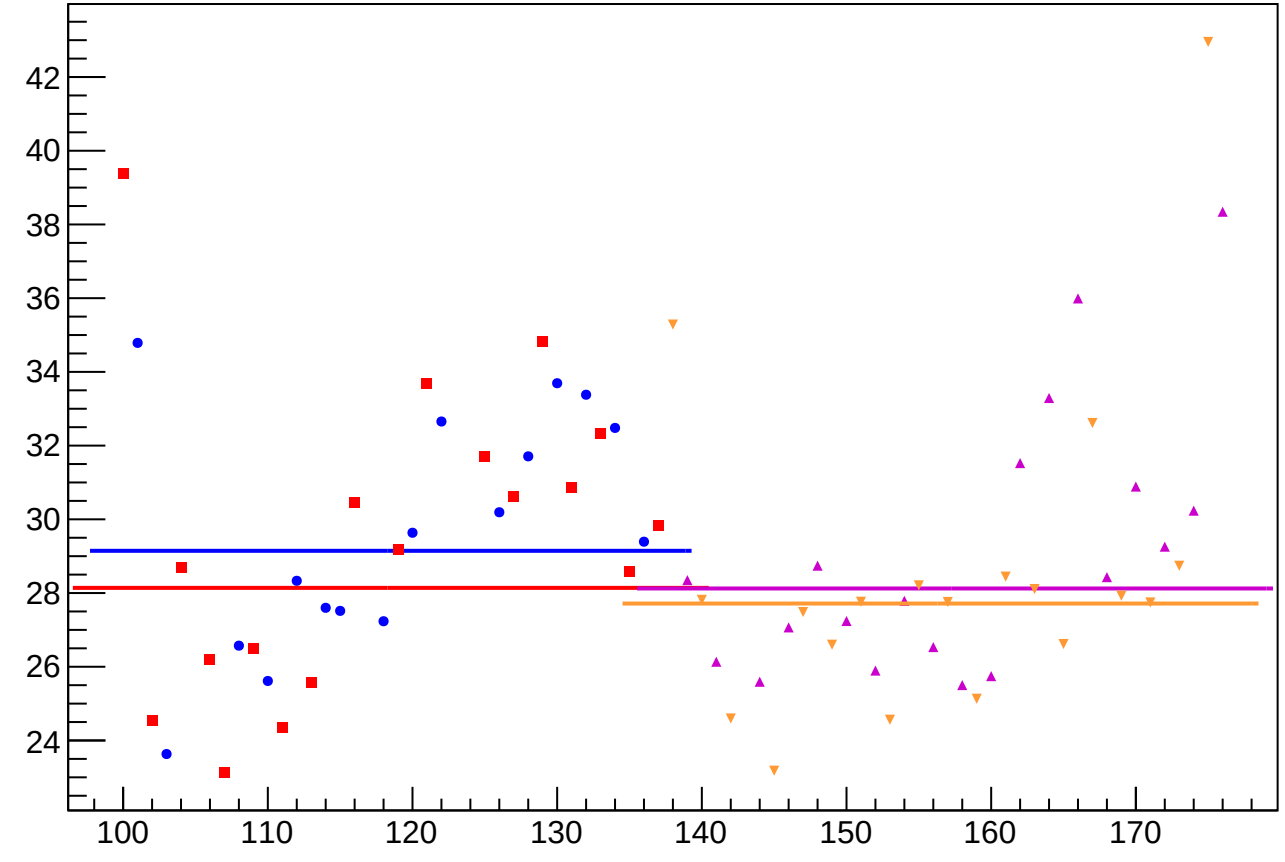
Left In: -0.007+/-0.007 χ^2/NDF:24.6/18

+ sign -0.005+/-0.006 χ^2/NDF: 29.7/34

All: -0.001+/-0.004 χ^2/NDF: 68.8/71

- sign 0.002+/-0.006 χ^2/NDF: 38.5/36

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: 27.716+/-0.005 χ^2/NDF:423454.4/18

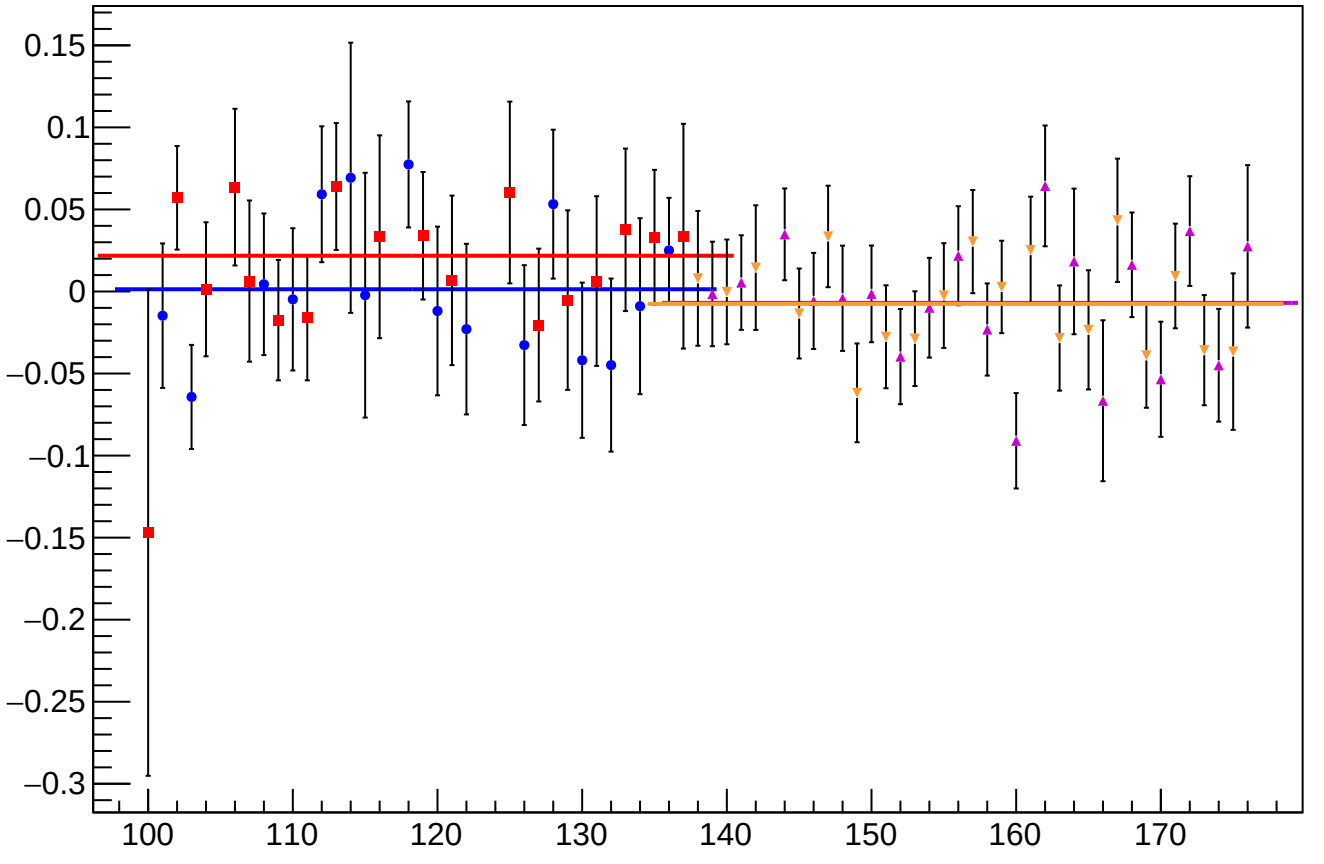
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 28.124+/-0.005 χ^2/NDF:282952.8/18

+ sign 28.156+/-0.004 χ^2/NDF: 622865.6/34

All: 28.142+/-0.003 χ^2/NDF: 1092944.1/71

- sign 28.129+/-0.004 χ^2/NDF: 470059.7/36



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

Left Out: -0.008+/-0.007 χ^2/NDF:13.9/18

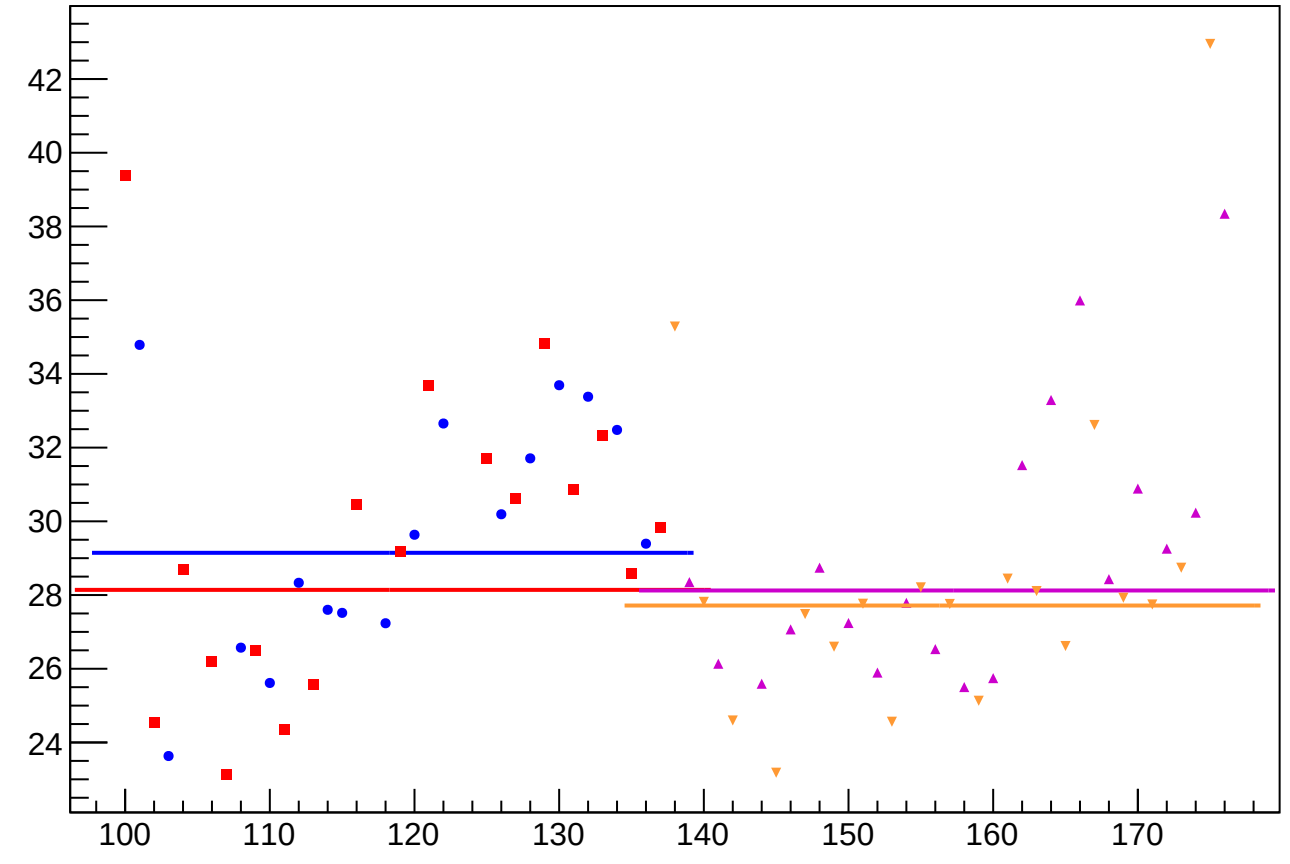
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.007+/-0.007 χ^2/NDF:24.6/18

+ sign -0.005+/-0.006 χ^2/NDF: 29.7/34

All: -0.001+/-0.004 χ^2/NDF: 68.8/71

- sign 0.002+/-0.006 χ^2/NDF: 38.5/36



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

Left Out: 27.716+/-0.005 χ^2/NDF:423454.4/18

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

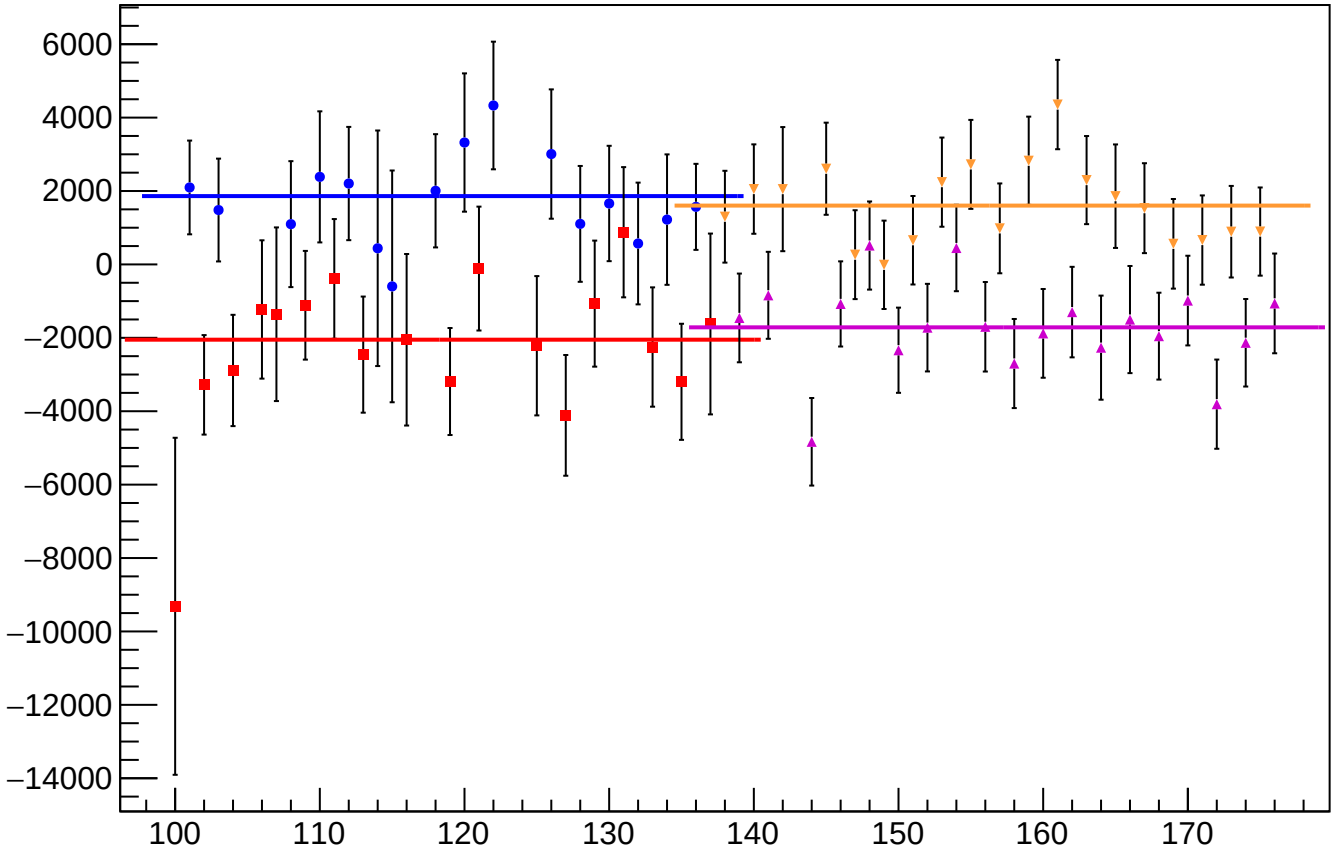
Left In: 28.124+/-0.005 χ^2/NDF:282952.8/18

+ sign 28.156+/-0.004 χ^2/NDF: 622865.6/34

All: 28.142+/-0.003 χ^2/NDF: 1092944.1/71

- sign 28.129+/-0.004 χ^2/NDF: 470059.7/36

reg_asym_usl_mean vs Slug



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

Left Out: 1602.736+/-285.169 χ^2/NDF:14.4/18

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

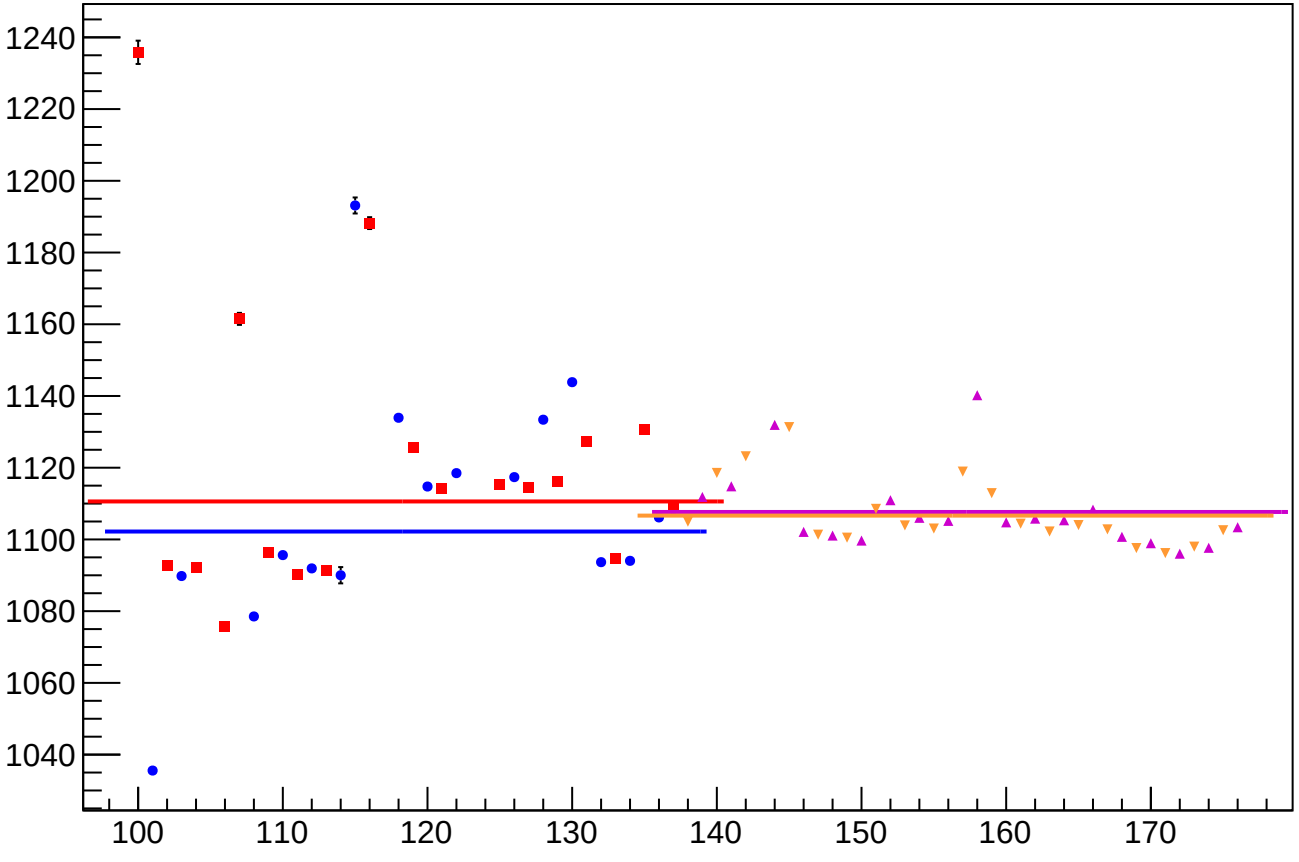
Left In: -1714.454+/-280.981 χ^2/NDF:19.5/18

+ sign 1687.243+/-234.021 χ^2/NDF: 20.1/34

All: -85.432+/-164.629 χ^2/NDF: 166.2/71

- sign -1822.222+/-231.640 χ^2/NDF: 32.5/36

reg_asym_usl_rms vs Slug



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

Left Out: 1106.645+/-0.202 χ^2/NDF:1975.0/18

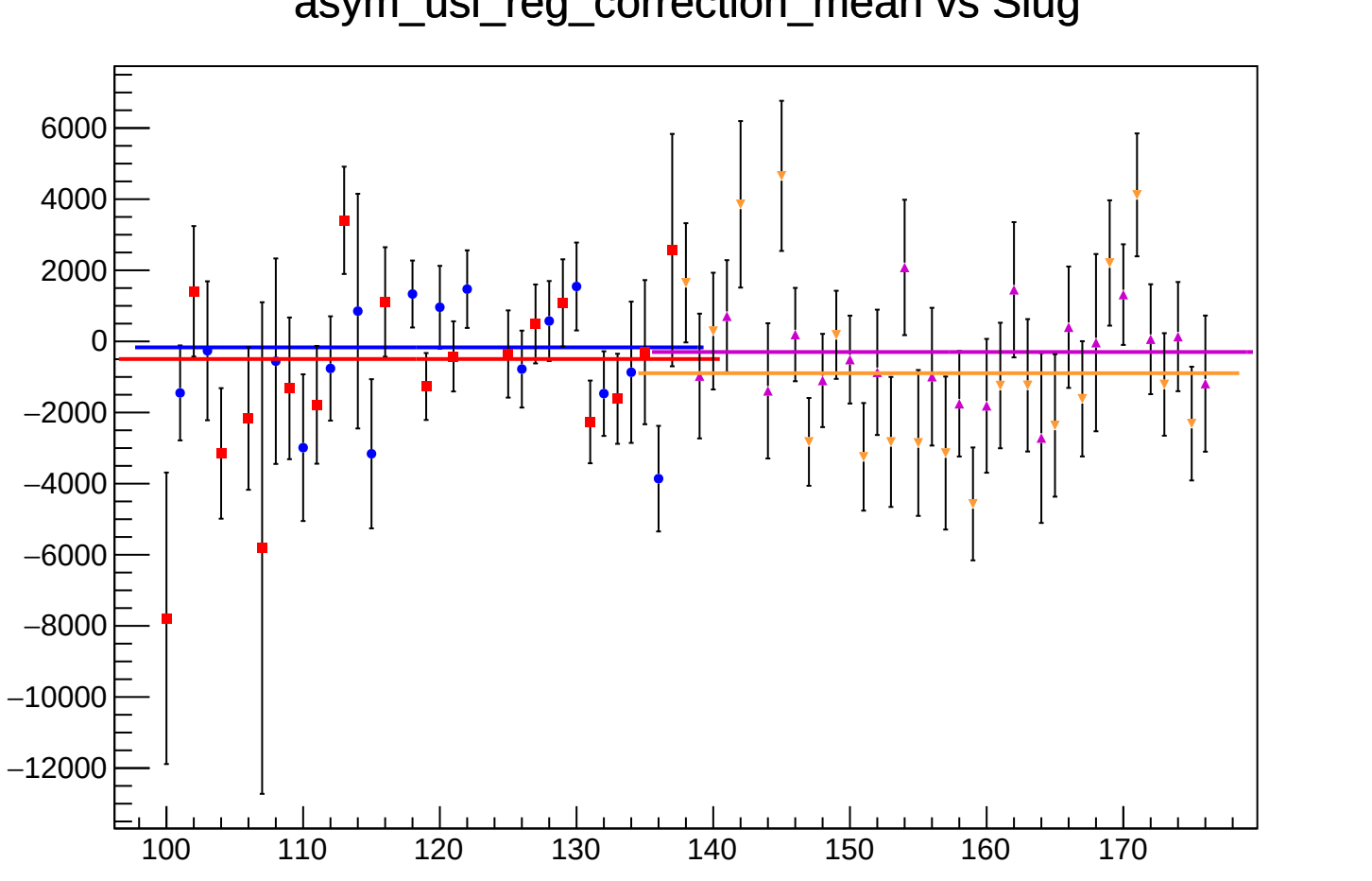
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.658+/-0.199 χ^2/NDF:3127.6/18

+ sign 1105.195+/-0.165 χ^2/NDF: 13482.2/34

All: 1106.914+/-0.116 χ^2/NDF: 24589.2/71

- sign 1108.598+/-0.164 χ^2/NDF: 10893.5/36



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

Left Out: -894.467+/-383.584 χ^2/NDF:41.1/18

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

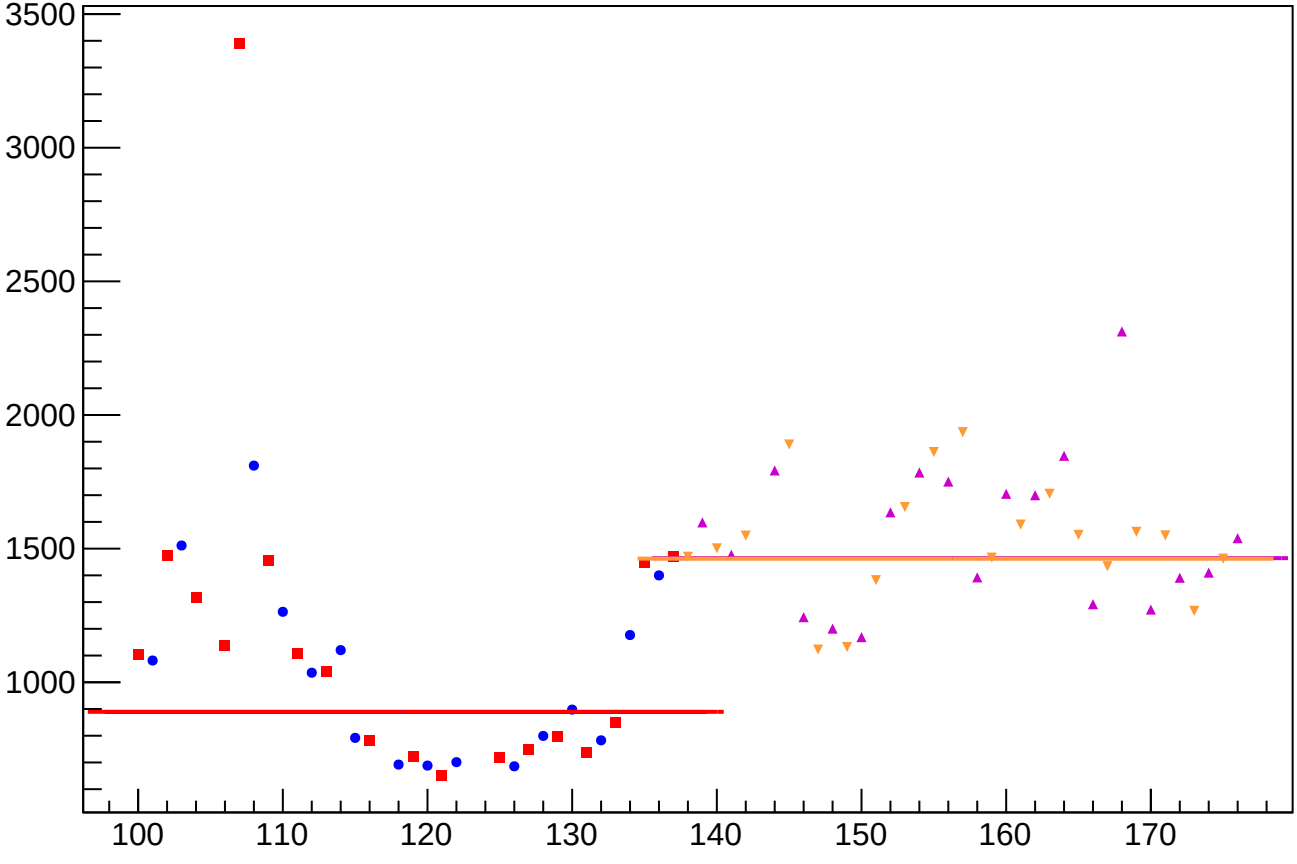
Left In: -297.967+/-378.172 χ^2/NDF:8.5/18

\+ sign -493.268+/-256.693 χ^2/NDF: 64.1/34

All: -449.117+/-180.871 χ^2/NDF: 96.1/71

\- sign -405.581+/-254.896 χ^2/NDF: 32.0/36

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1462.631+/-0.271 χ^2/NDF:677664.8/18

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

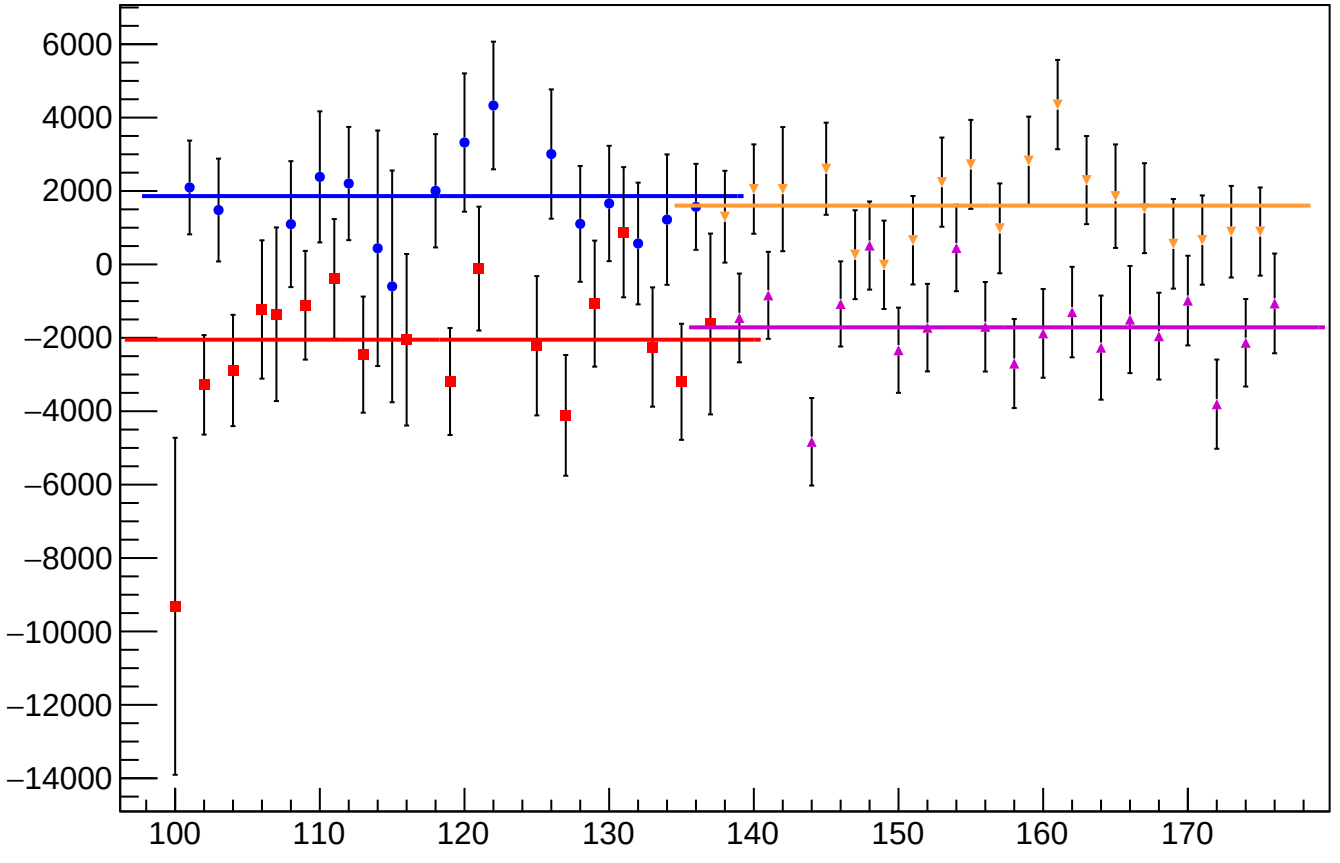
Left In: 1464.416+/-0.267 χ^2/NDF:860917.1/18

+ sign 1145.861+/-0.182 χ^2/NDF: 4280560.1/34

All: 1148.284+/-0.128 χ^2/NDF: 9010150.6/71

- sign 1150.674+/-0.180 χ^2/NDF: 4729236.4/36

cor_asym_usl_mean vs Slug



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

Left Out: 1602.736+/-285.169 χ^2/NDF:14.4/18

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

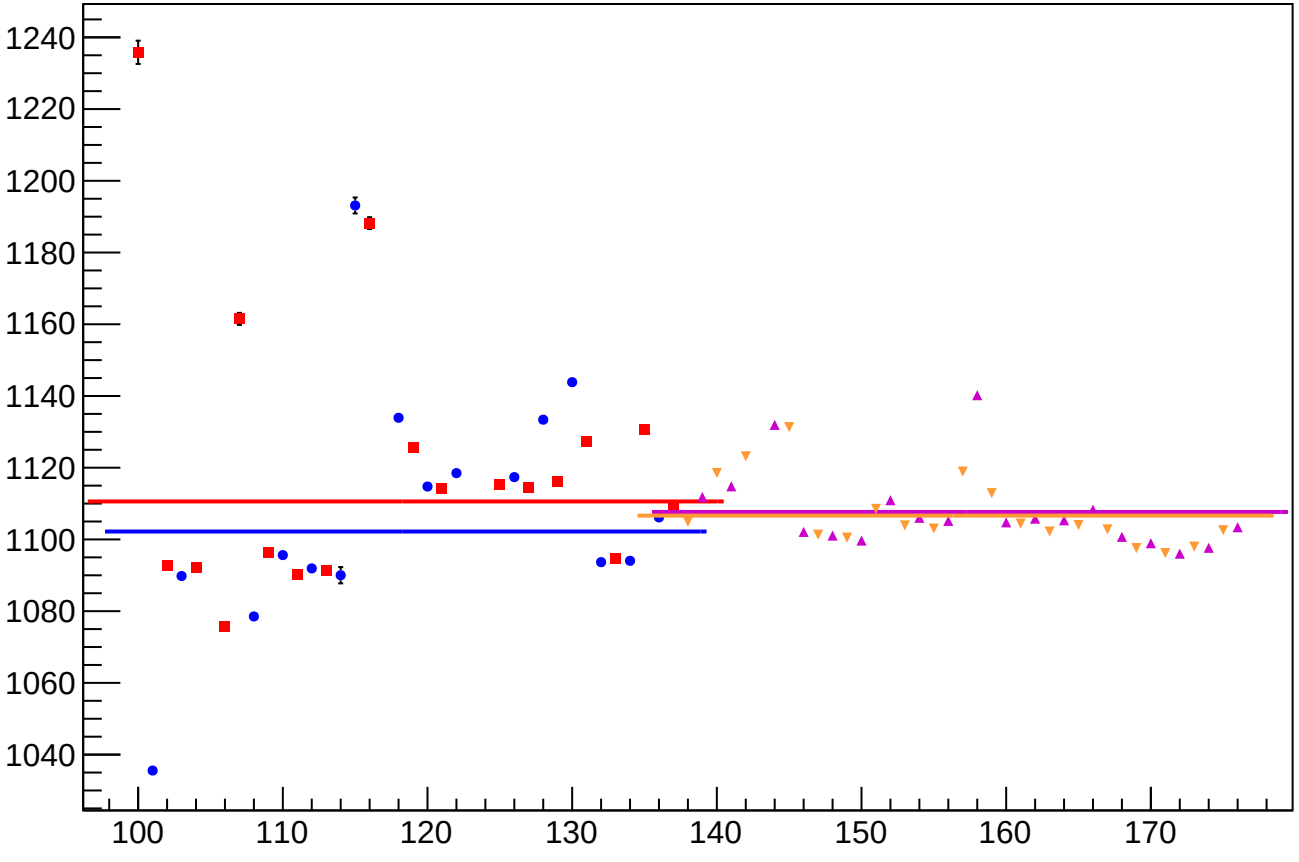
Left In: -1714.454+/-280.981 χ^2/NDF:19.5/18

+ sign 1687.243+/-234.021 χ^2/NDF: 20.1/34

All: -85.432+/-164.629 χ^2/NDF: 166.2/71

- sign -1822.222+/-231.640 χ^2/NDF: 32.5/36

cor_asym_usl_rms vs Slug



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

Left Out: 1106.645+/-0.202 χ^2/NDF:1975.0/18

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

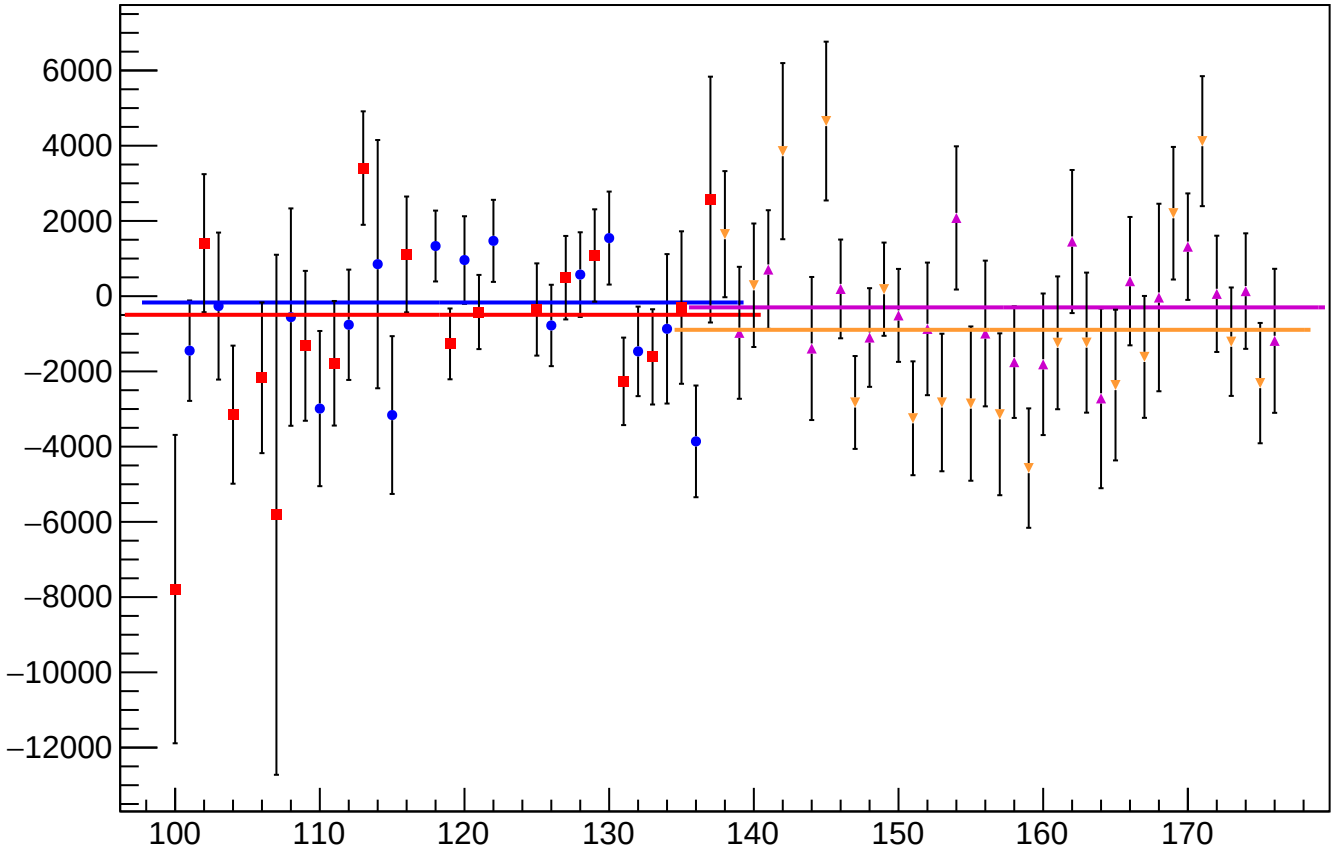
Left In: 1107.658+/-0.199 χ^2/NDF:3127.6/18

+ sign 1105.195+/-0.165 χ^2/NDF: 13482.2/34

All: 1106.914+/-0.116 χ^2/NDF: 24589.2/71

- sign 1108.598+/-0.164 χ^2/NDF: 10893.5/36

asym_usl_cor_correction_mean vs Slug



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

Left Out: -894.467+/-383.584 χ^2/NDF:41.1/18

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

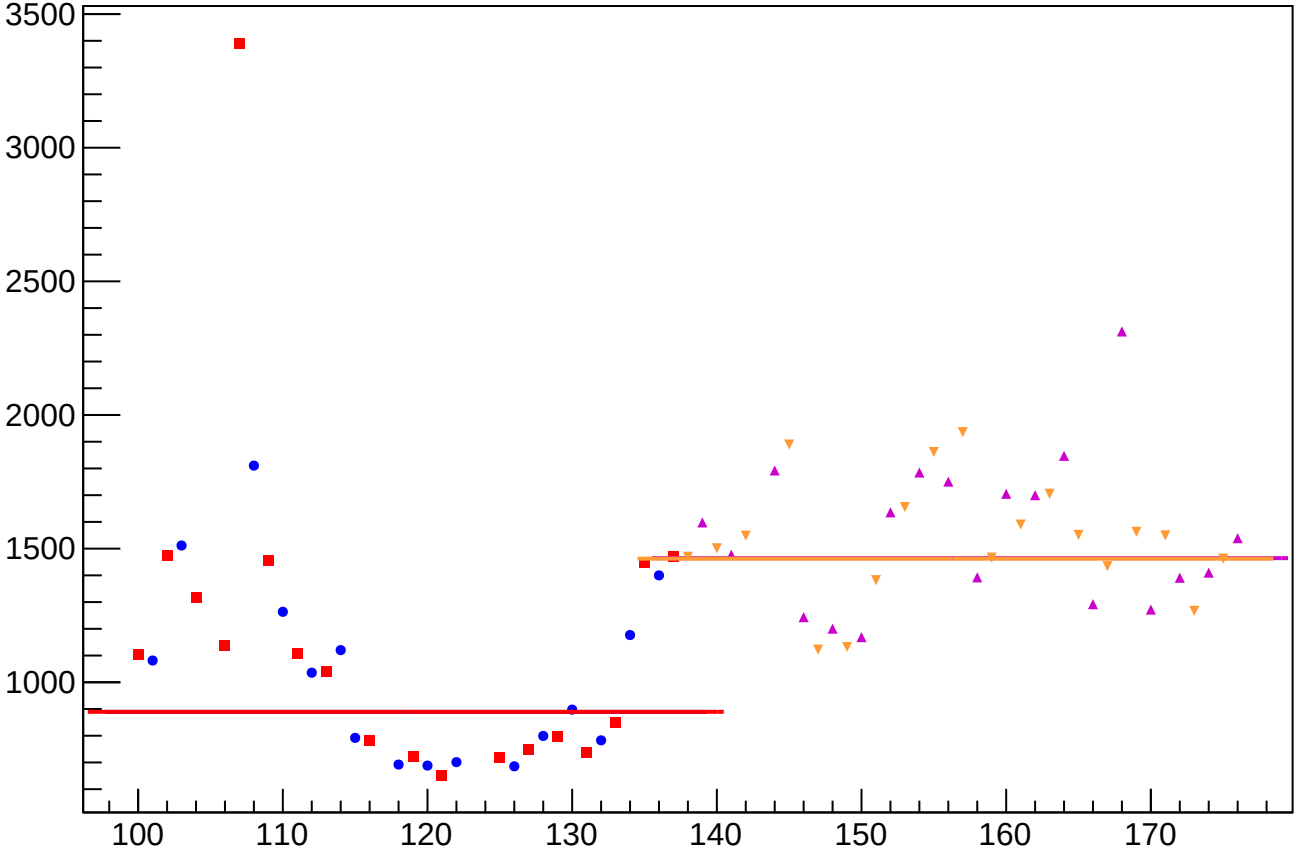
Left In: -297.967+/-378.172 χ^2/NDF:8.5/18

+ sign -493.268+/-256.693 χ^2/NDF: 64.1/34

All: -449.117+/-180.871 χ^2/NDF: 96.1/71

- sign -405.581+/-254.896 χ^2/NDF: 32.0/36

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1462.631+/-0.271 χ^2/NDF:677664.8/18

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

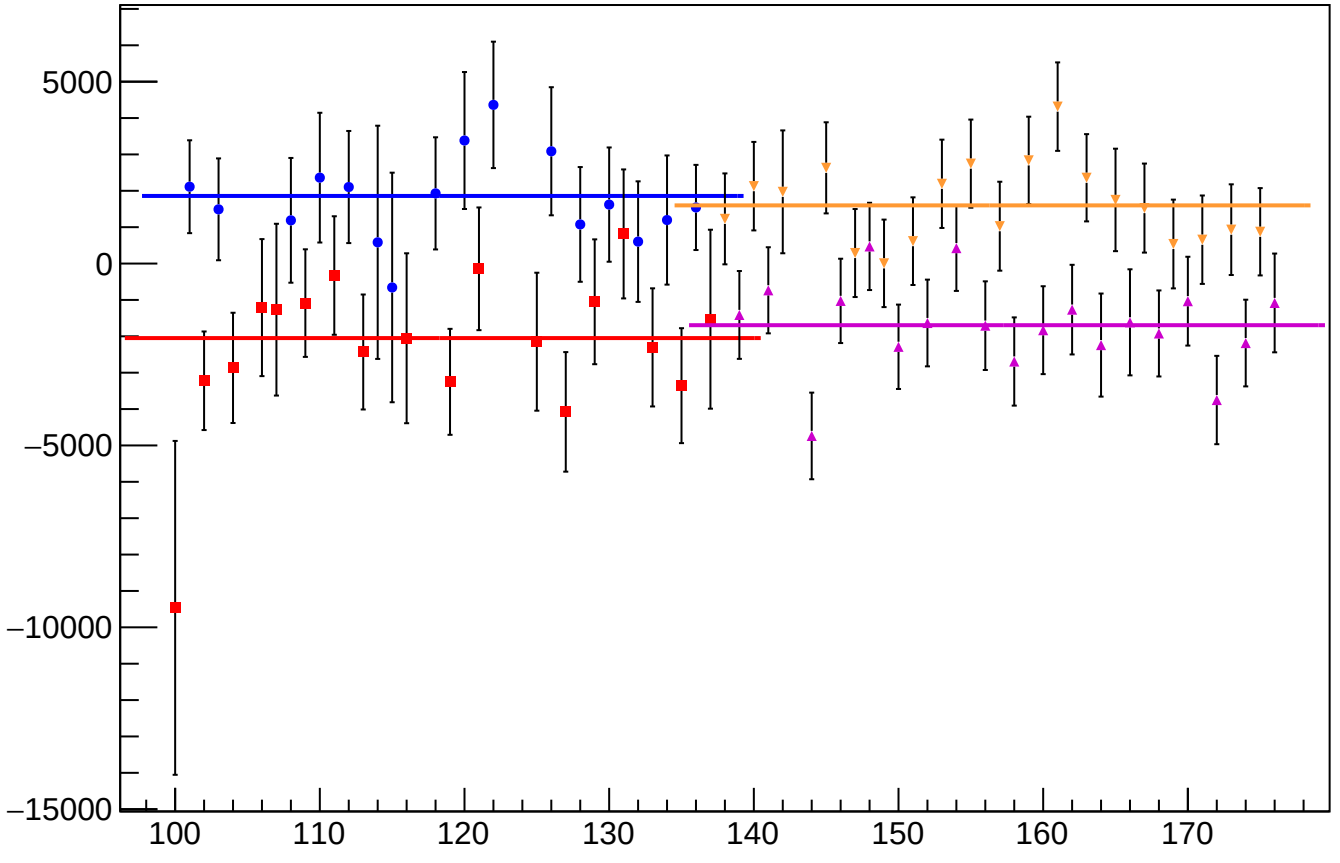
Left In: 1464.416+/-0.267 χ^2/NDF:860917.1/18

+ sign 1145.861+/-0.182 χ^2/NDF: 4280560.1/34

All: 1148.284+/-0.128 χ^2/NDF: 9010150.6/71

- sign 1150.674+/-0.180 χ^2/NDF: 4729236.4/36

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1599.125+/-284.891 χ^2/NDF:14.4/18

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

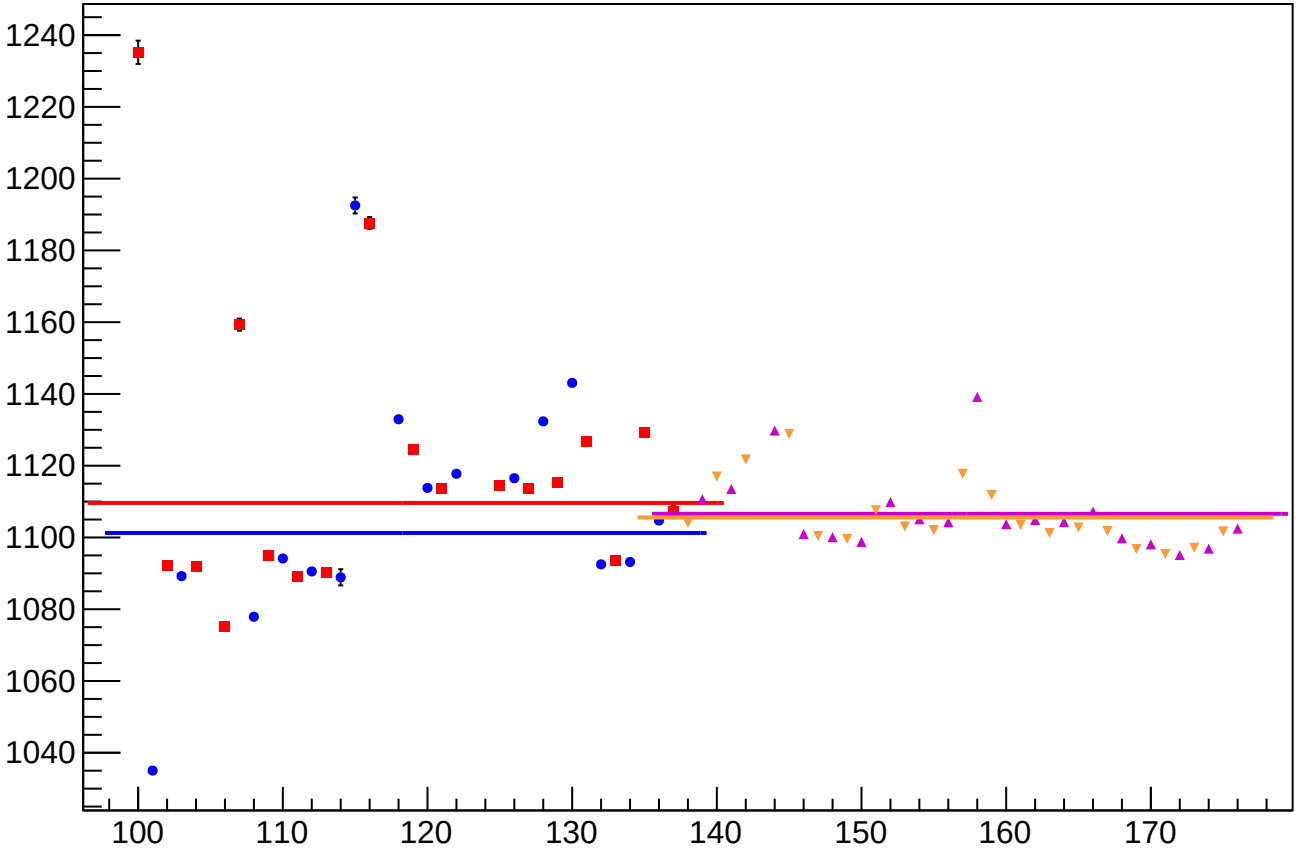
Left In: -1694.294+/-280.710 χ^2/NDF:18.9/18

+ sign 1683.871+/-233.801 χ^2/NDF: 20.1/34

All: -79.812+/-164.475 χ^2/NDF: 164.9/71

- sign -1807.812+/-231.424 χ^2/NDF: 32.1/36

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1105.572+/-0.201 χ^2/NDF:1839.2/18

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

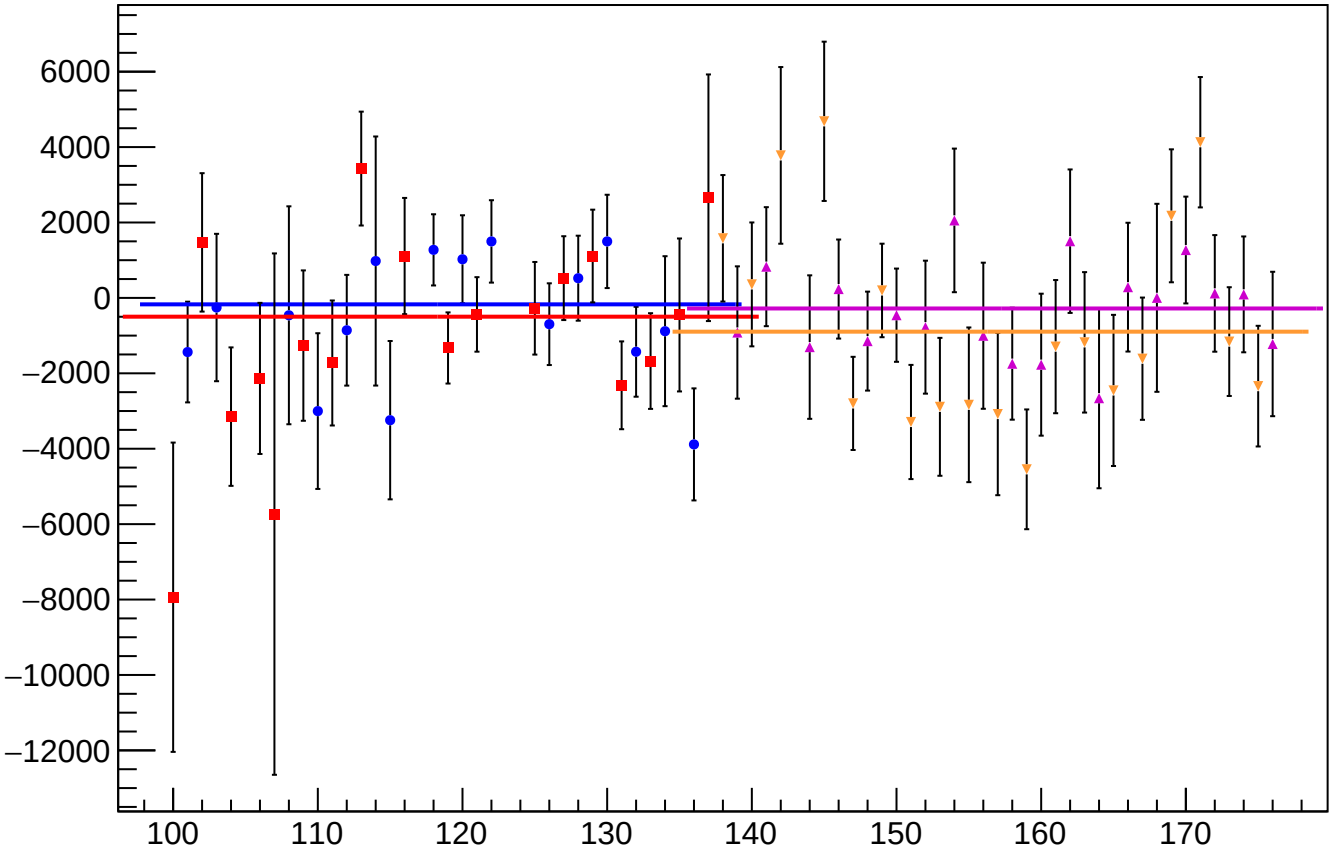
Left In: 1106.593+/-0.198 χ^2/NDF:3031.8/18

+ sign 1104.163+/-0.165 χ^2/NDF: 13297.5/34

All: 1105.881+/-0.116 χ^2/NDF: 24291.3/71

- sign 1107.565+/-0.164 χ^2/NDF: 10779.8/36

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: -895.436+/-383.802 χ^2/NDF:41.0/18

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

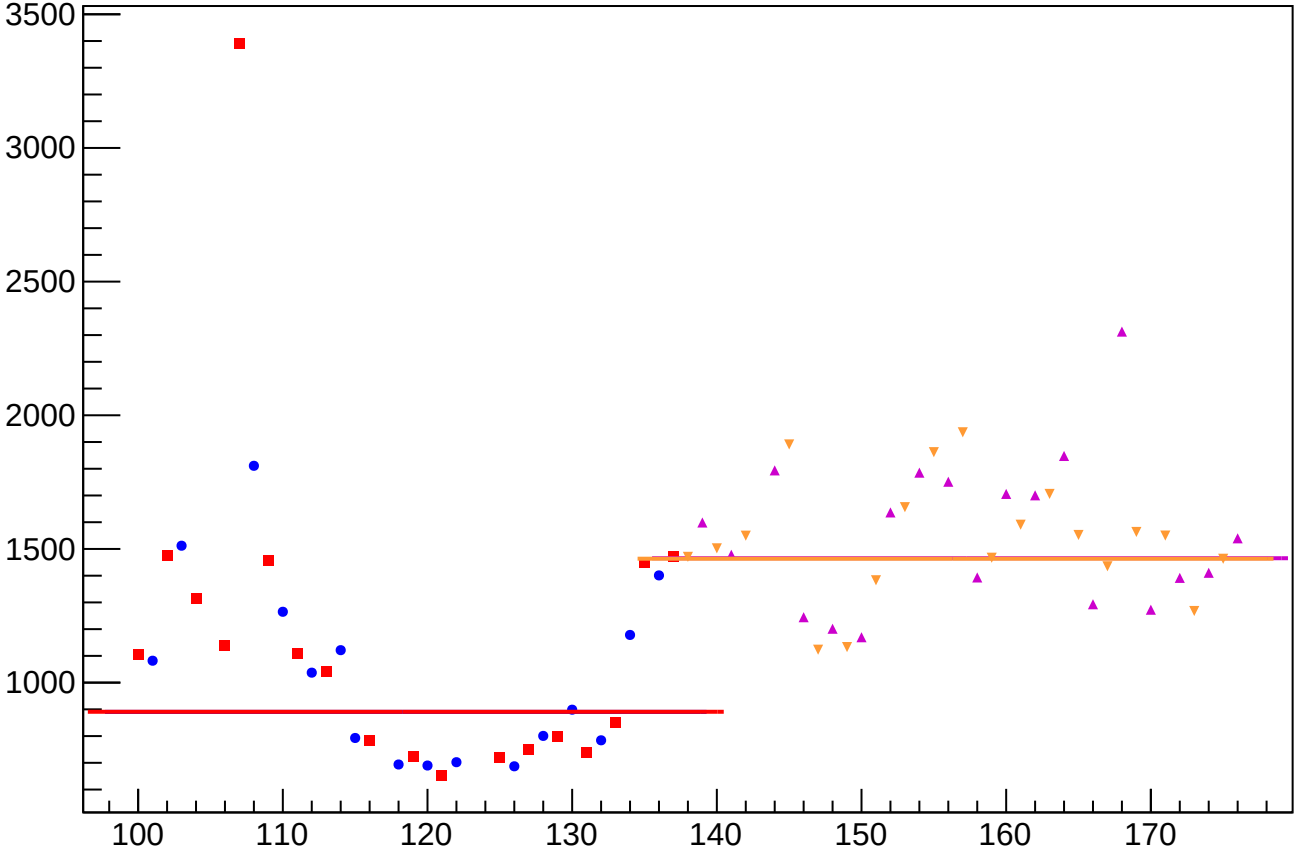
Left In: -280.437+/-378.388 χ^2/NDF:8.4/18

+ sign -495.735+/-256.979 χ^2/NDF: 63.9/34

All: -447.045+/-181.068 χ^2/NDF: 96.4/71

- sign -399.039+/-255.168 χ^2/NDF: 32.5/36

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1463.502+/-0.271 χ^2/NDF:676633.9/18

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

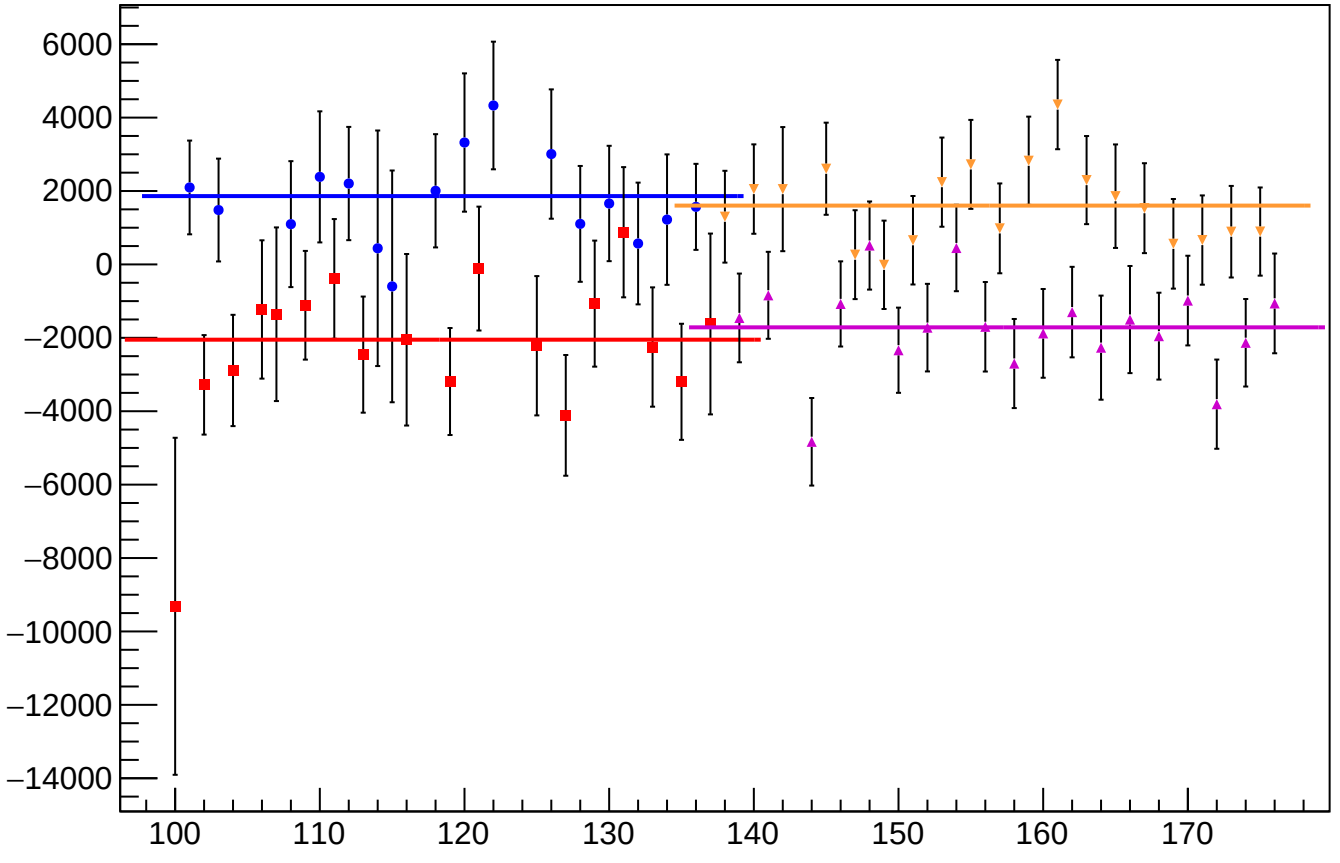
Left In: 1465.290+/-0.268 χ^2/NDF:859645.6/18

+ sign 1147.381+/-0.182 χ^2/NDF: 4264768.7/34

All: 1149.771+/-0.128 χ^2/NDF: 8979044.2/71

- sign 1152.127+/-0.180 χ^2/NDF: 4713931.9/36

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1602.736+/-285.169 χ^2/NDF:14.4/18

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

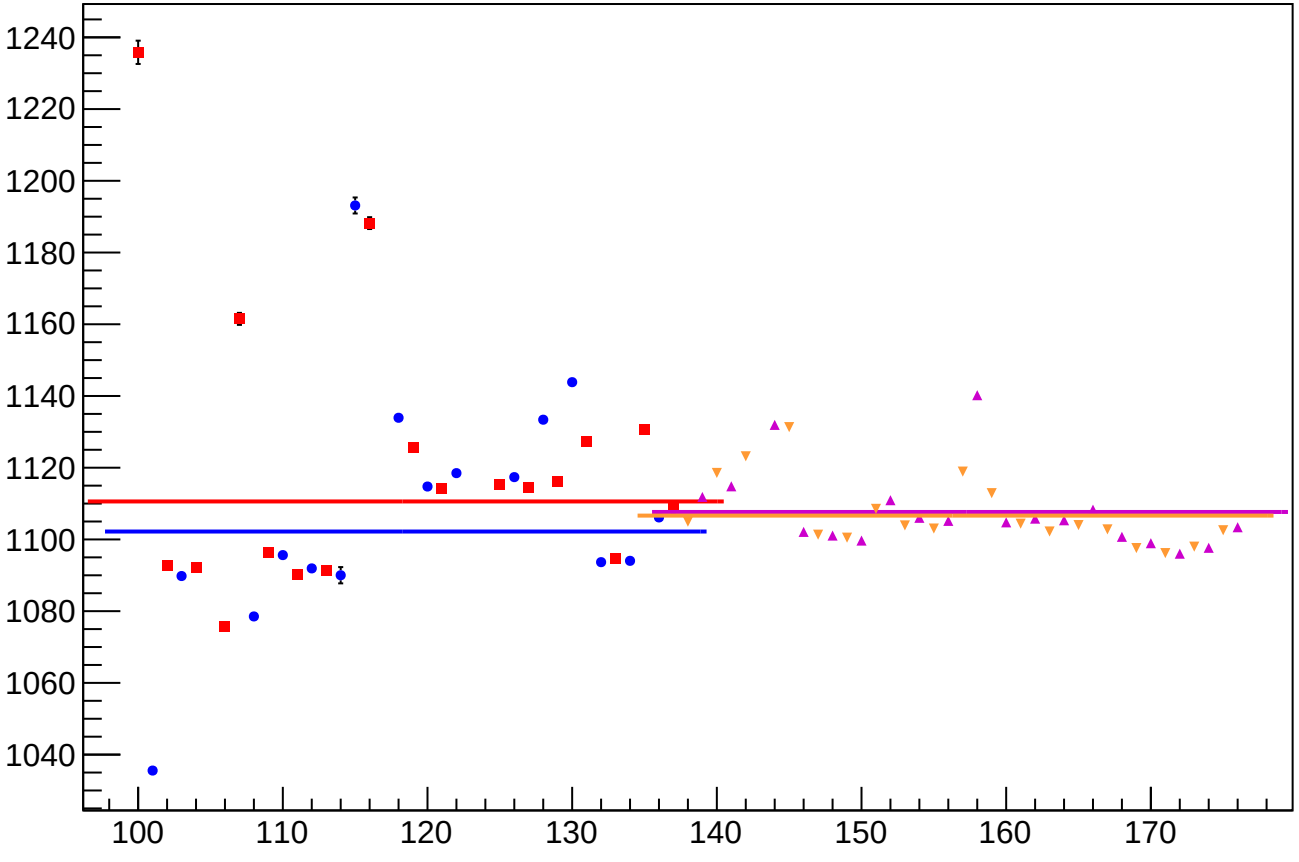
Left In: -1714.454+/-280.981 χ^2/NDF:19.5/18

+ sign 1687.243+/-234.021 χ^2/NDF: 20.1/34

All: -85.432+/-164.629 χ^2/NDF: 166.2/71

- sign -1822.222+/-231.640 χ^2/NDF: 32.5/36

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1106.645+/-0.202 χ^2/NDF:1975.0/18

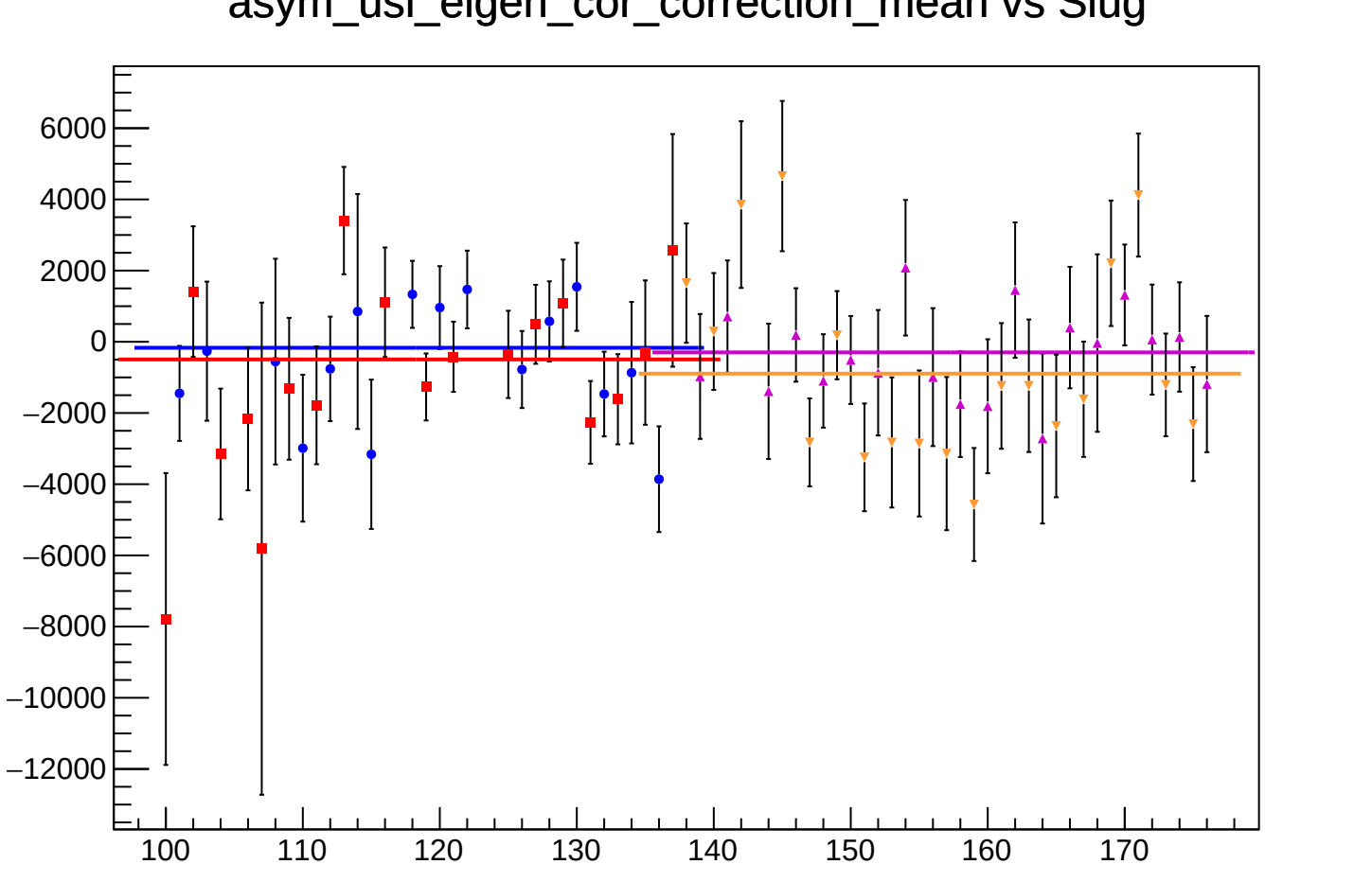
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.658+/-0.199 χ^2/NDF:3127.6/18

+ sign 1105.195+/-0.165 χ^2/NDF: 13482.2/34

All: 1106.914+/-0.116 χ^2/NDF: 24589.2/71

- sign 1108.598+/-0.164 χ^2/NDF: 10893.5/36



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

Left Out: -894.467+/-383.584 χ^2/NDF:41.1/18

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

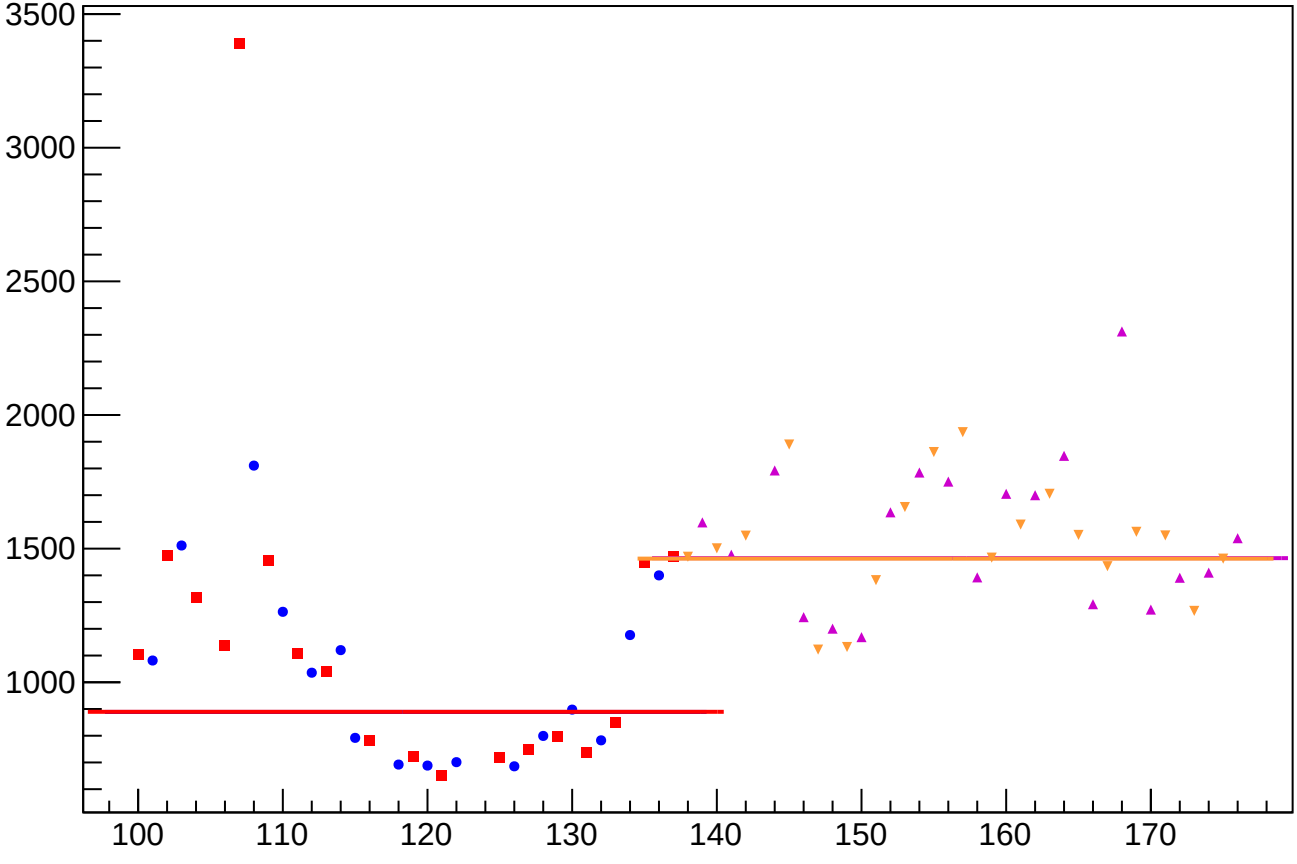
Left In: -297.967+/-378.172 χ^2/NDF:8.5/18

\+ sign -493.268+/-256.693 χ^2/NDF: 64.1/34

All: -449.117+/-180.871 χ^2/NDF: 96.1/71

\- sign -405.581+/-254.896 χ^2/NDF: 32.0/36

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1462.631+/-0.271 χ^2/NDF:677664.8/18

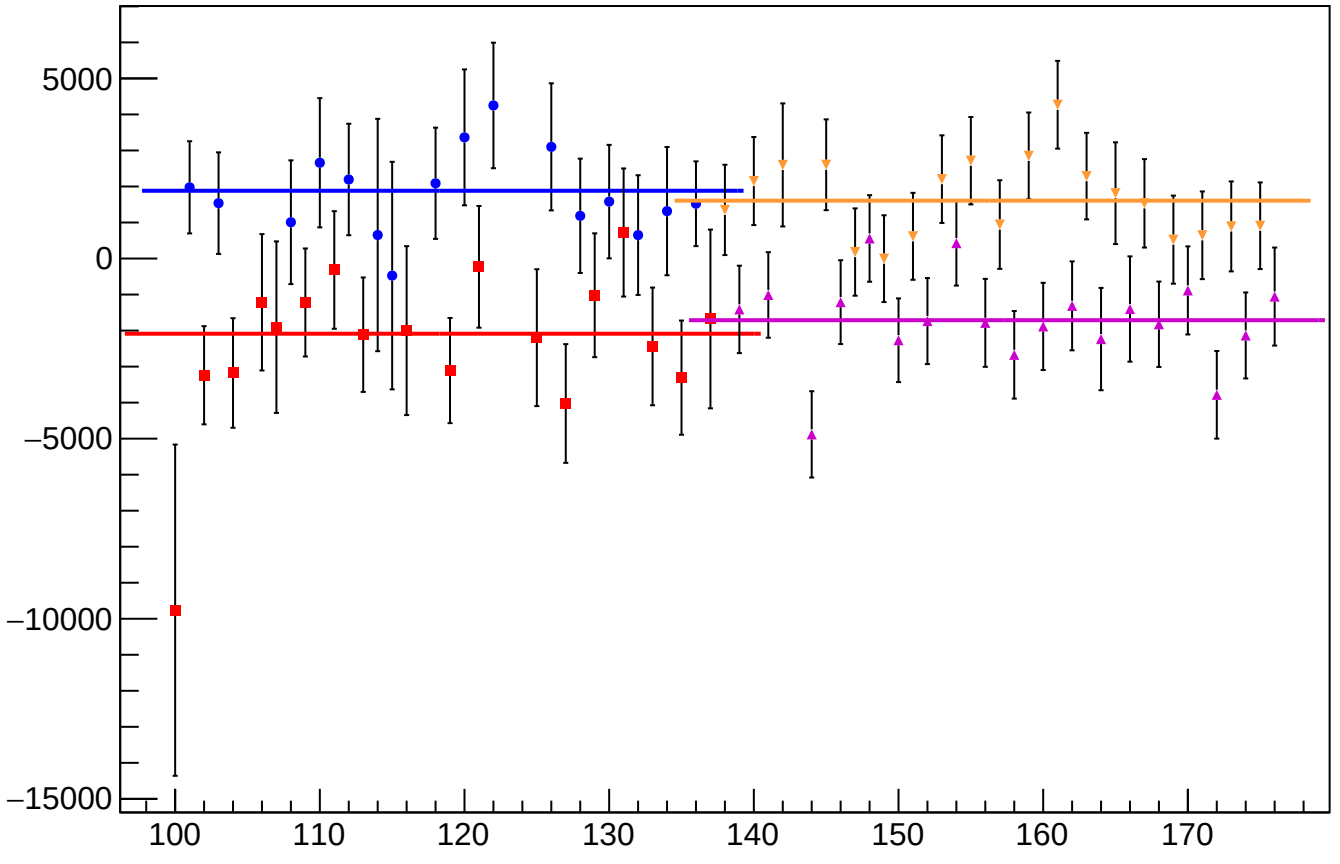
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1464.416+/-0.267 χ^2/NDF:860917.1/18

+ sign 1145.861+/-0.182 χ^2/NDF: 4280560.1/34

All: 1148.284+/-0.128 χ^2/NDF: 9010150.6/71

- sign 1150.674+/-0.180 χ^2/NDF: 4729236.4/36



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

Left Out: 1606.177+/-285.719 χ^2/NDF:14.7/18

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

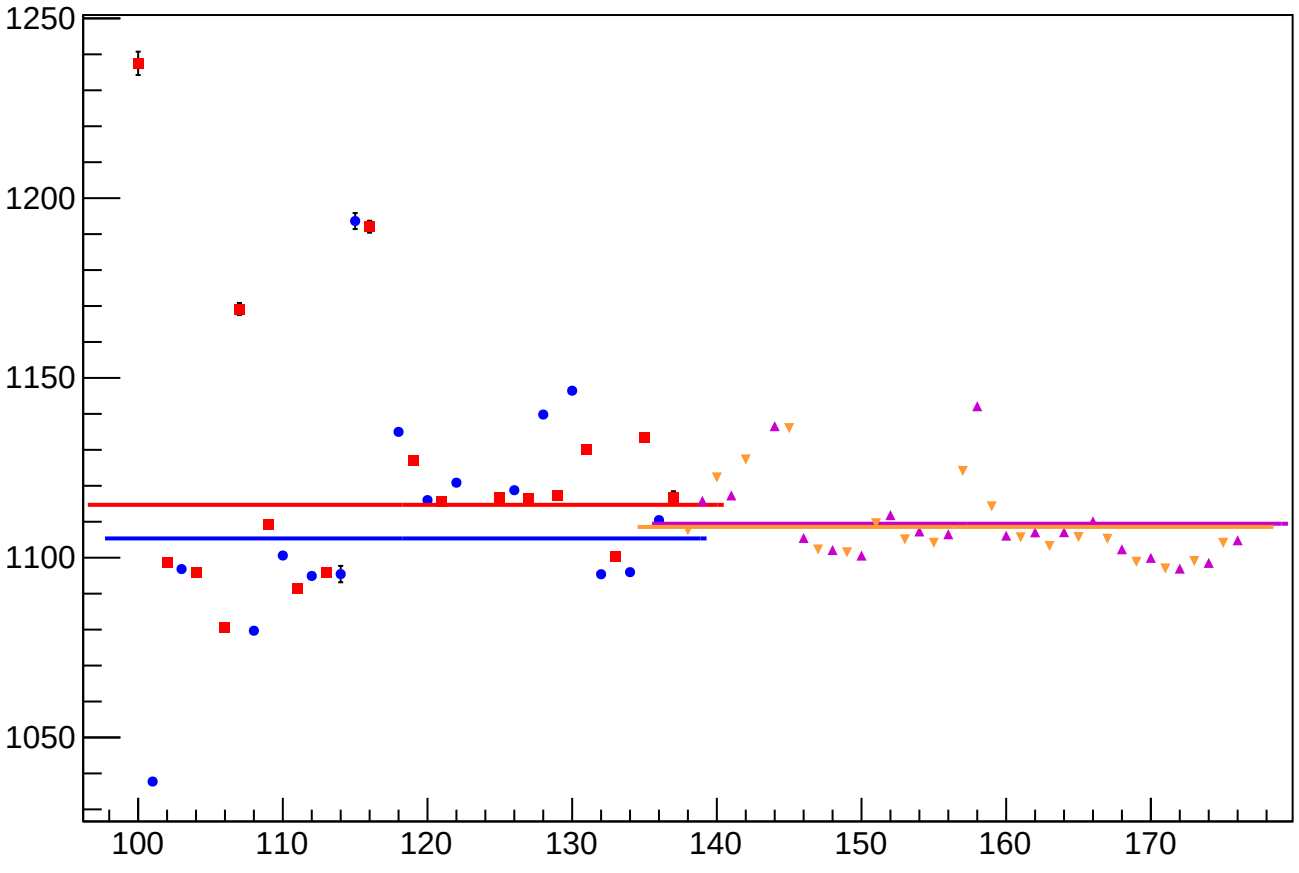
Left In: -1711.781+/-281.442 χ^2/NDF:19.3/18

+ sign 1695.978+/-234.545 χ^2/NDF: 20.2/34

All: -85.717+/-165.004 χ^2/NDF: 166.7/71

- sign -1831.609+/-232.176 χ^2/NDF: 32.3/36

dit_asym_usl_rms vs Slug



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

Left Out: 1108.562+/-0.202 χ^2/NDF:2501.8/18

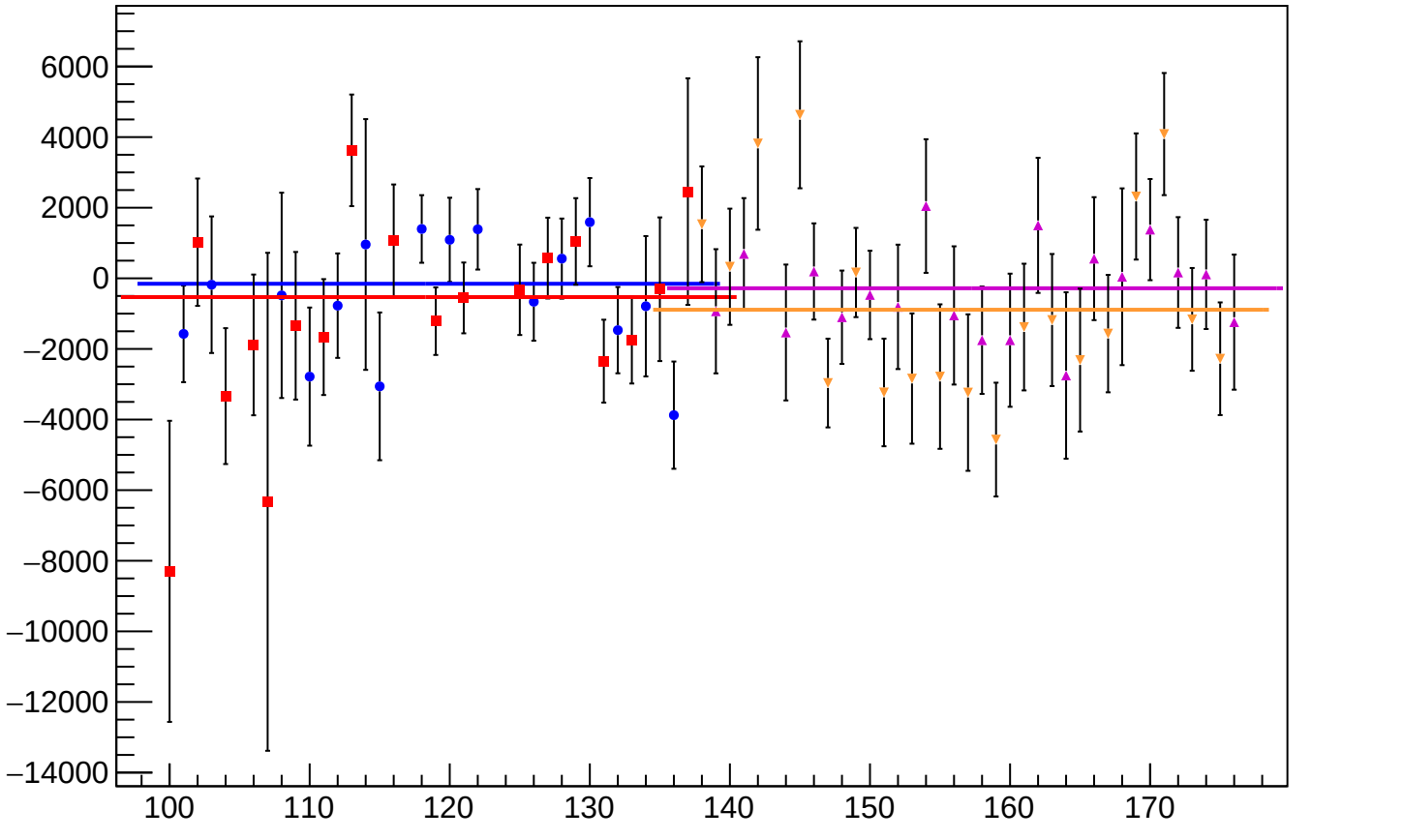
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1109.450+/-0.199 χ^2/NDF:3475.2/18

+ sign 1107.516+/-0.166 χ^2/NDF: 13914.9/34

All: 1109.341+/-0.117 χ^2/NDF: 25182.7/71

- sign 1111.129+/-0.164 χ^2/NDF: 11028.2/36



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

Left Out: -890.129+/-387.377 χ^2/NDF:40.6/18

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

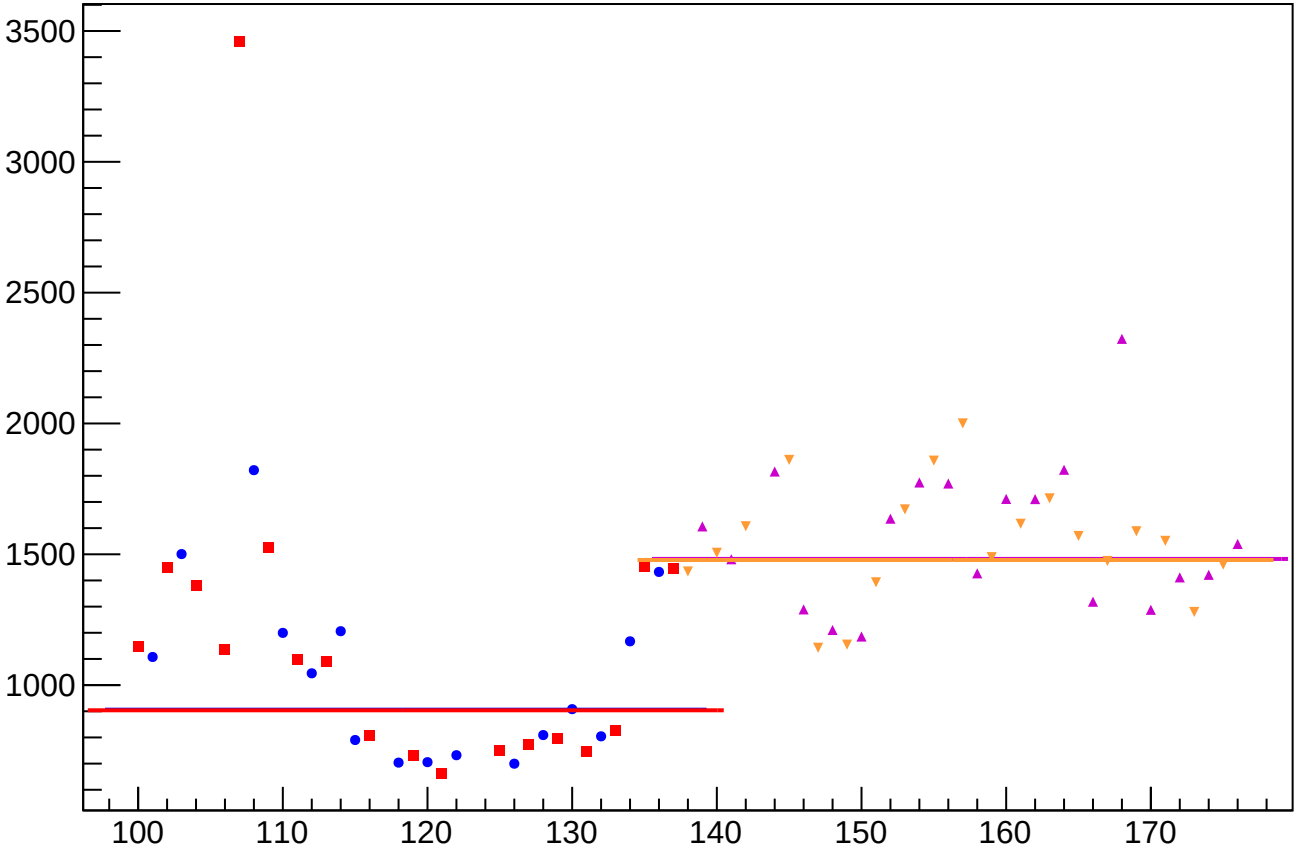
Left In: -281.631+/-382.222 χ^2/NDF:8.7/18

+ sign -486.215+/-260.236 χ^2/NDF: 63.1/34

All: -451.727+/-183.323 χ^2/NDF: 95.3/71

- sign -417.752+/-258.292 χ^2/NDF: 32.2/36

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1478.159+/-0.274 χ^2/NDF:653057.3/18

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

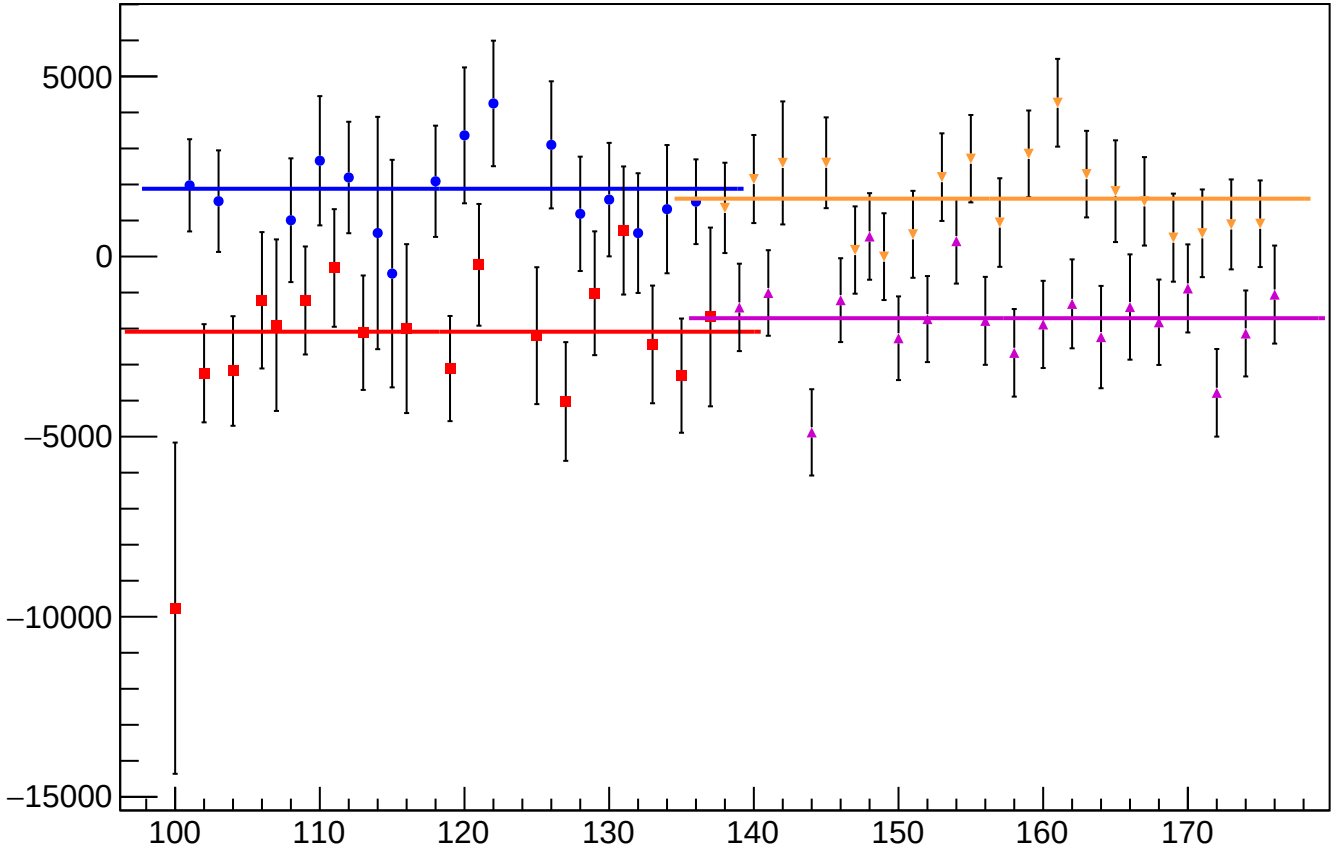
Left In: 1482.246+/-0.270 χ^2/NDF:804854.6/18

+ sign 1164.235+/-0.184 χ^2/NDF: 4126218.6/34

All: 1166.094+/-0.130 χ^2/NDF: 8760511.7/71

- sign 1167.925+/-0.183 χ^2/NDF: 4634090.5/36

eigen_dit_asym_usl_mean vs Slug



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

Left Out: 1606.173+/-285.719 χ^2/NDF:14.7/18

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

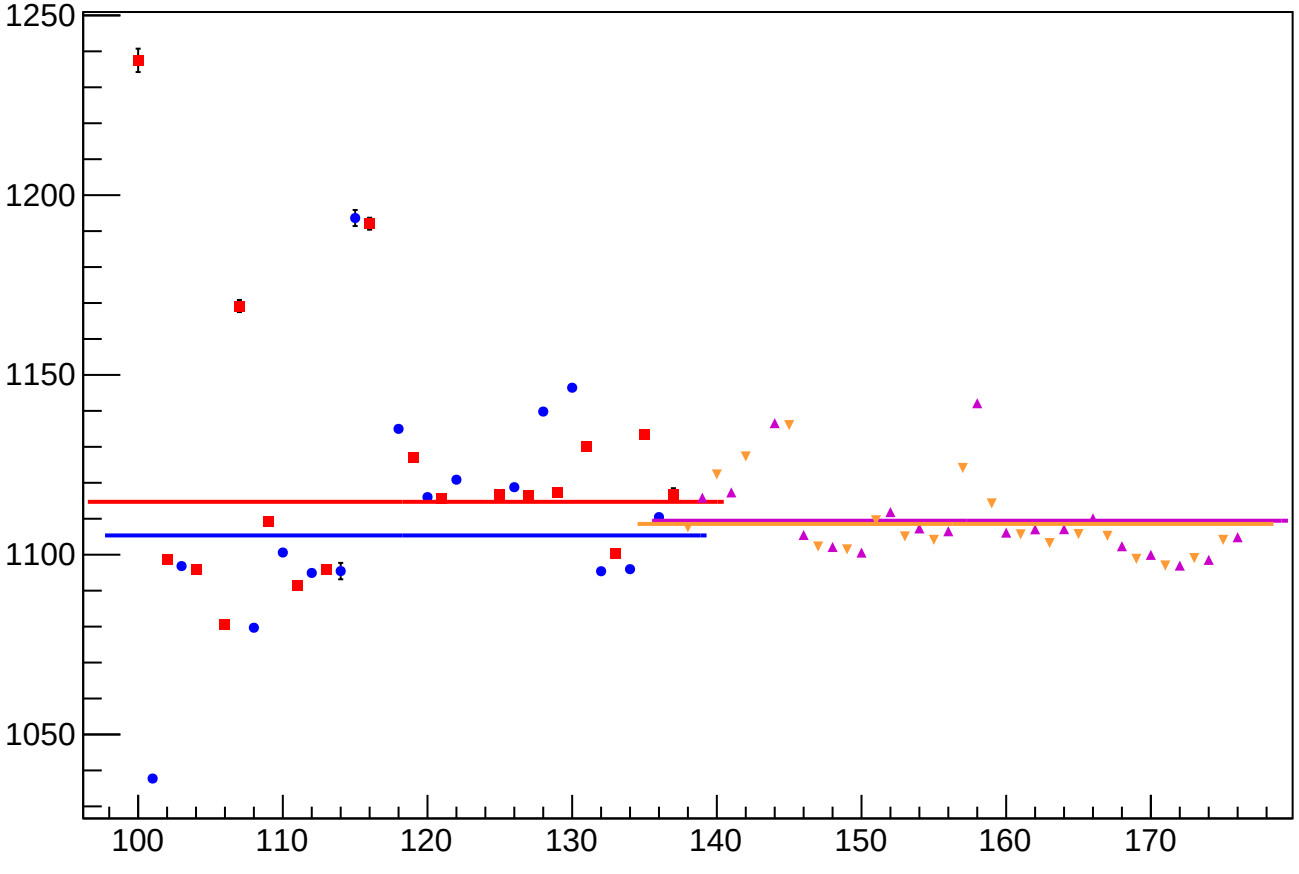
Left In: -1711.783+/-281.442 χ^2/NDF:19.3/18

+ sign 1695.975+/-234.545 χ^2/NDF: 20.2/34

All: -85.718+/-165.004 χ^2/NDF: 166.7/71

- sign -1831.610+/-232.176 χ^2/NDF: 32.3/36

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1108.562+/-0.202 χ^2/NDF:2501.8/18

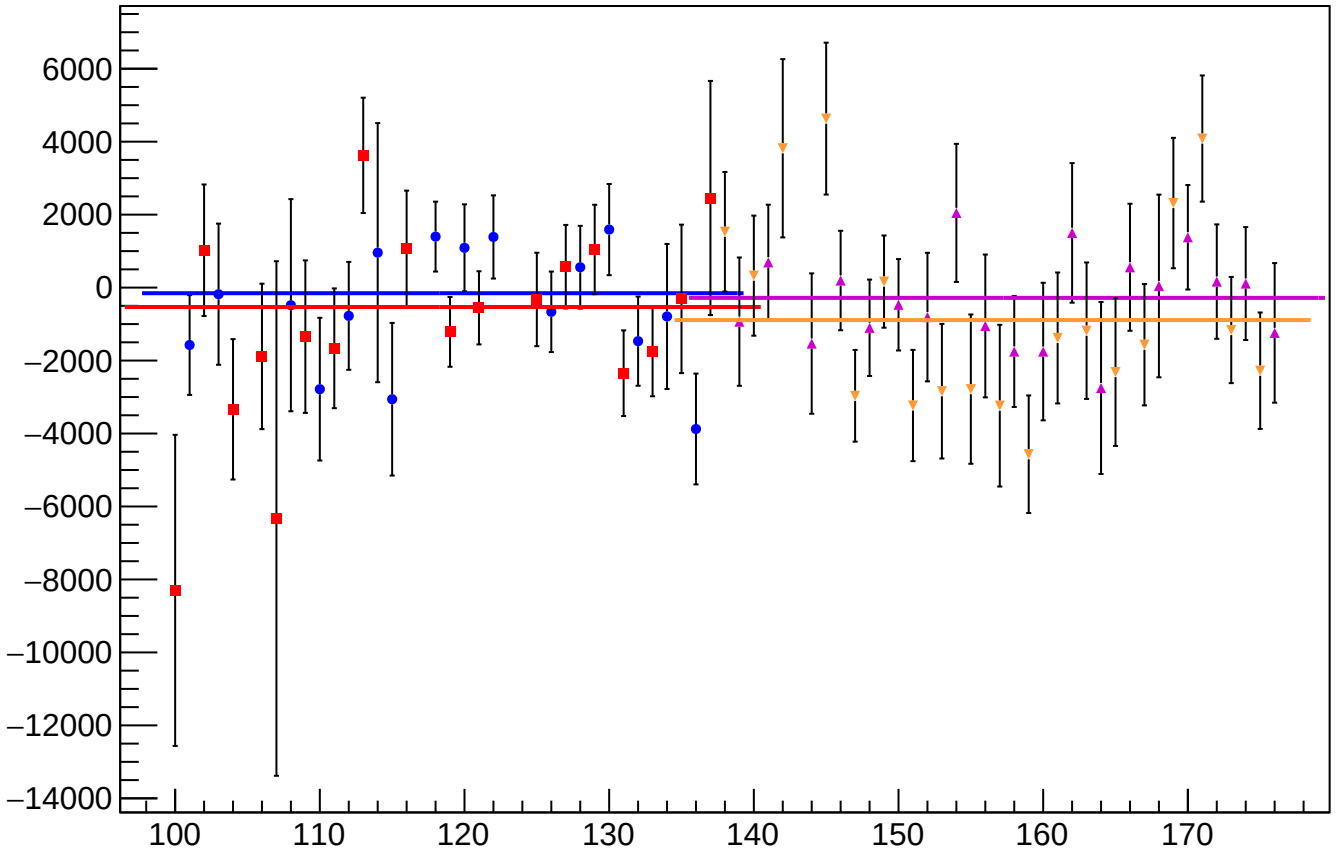
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1109.450+/-0.199 χ^2/NDF:3475.2/18

+ sign 1107.516+/-0.166 χ^2/NDF: 13914.9/34

All: 1109.341+/-0.117 χ^2/NDF: 25182.7/71

- sign 1111.129+/-0.164 χ^2/NDF: 11028.2/36



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

Left Out: -890.133+/-387.378 χ^2/NDF:40.6/18

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

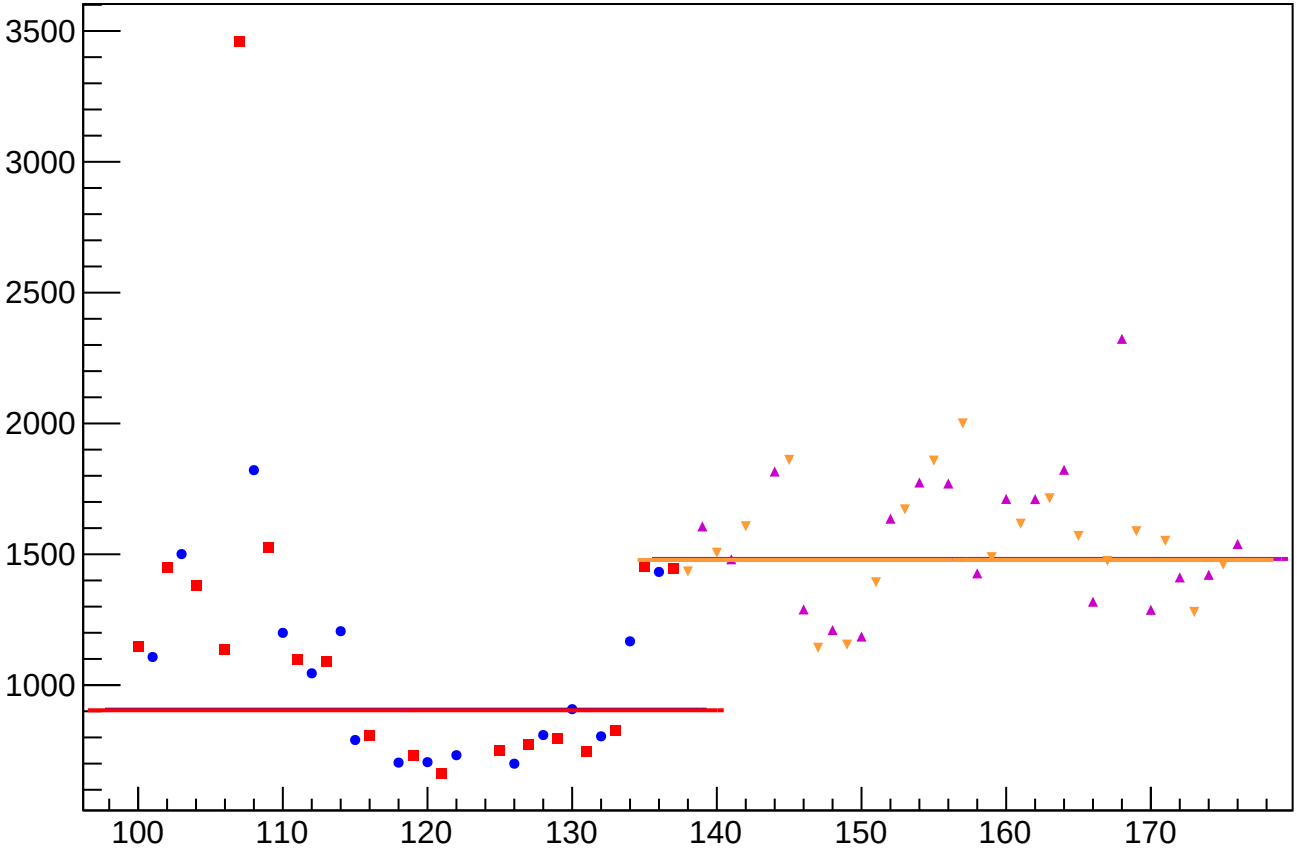
Left In: -281.631+/-382.223 χ^2/NDF:8.7/18

+ sign -486.215+/-260.236 χ^2/NDF: 63.1/34

All: -451.727+/-183.323 χ^2/NDF: 95.3/71

- sign -417.752+/-258.292 χ^2/NDF: 32.2/36

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1478.160+/-0.274 χ^2/NDF:653054.1/18

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

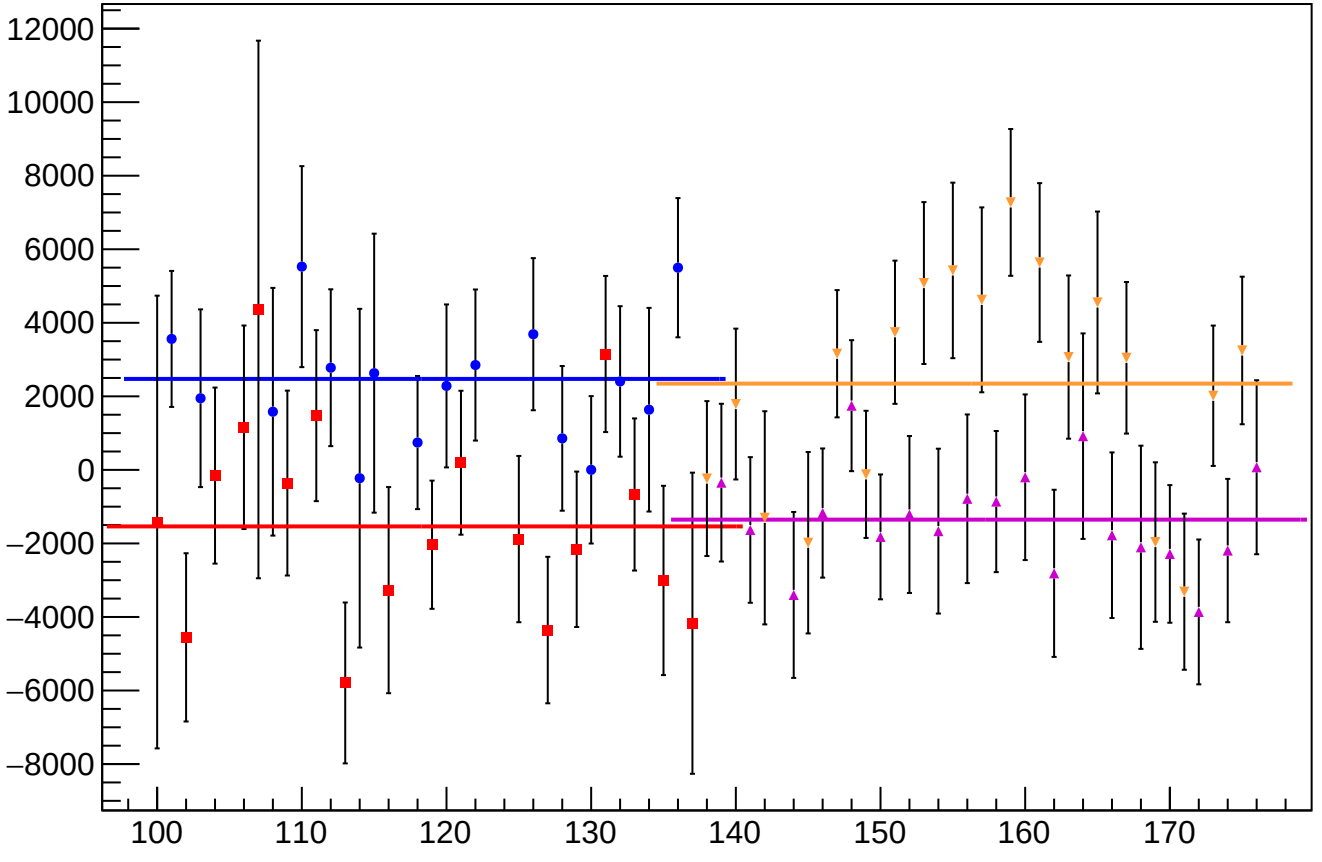
Left In: 1482.248+/-0.270 χ^2/NDF:804851.3/18

+ sign 1164.234+/-0.184 χ^2/NDF: 4126251.8/34

All: 1166.093+/-0.130 χ^2/NDF: 8760578.3/71

- sign 1167.924+/-0.183 χ^2/NDF: 4634123.9/36

asym_usl_mean vs Slug



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

Left Out: 2345.798+/-485.414 χ^2/NDF:33.8/18

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

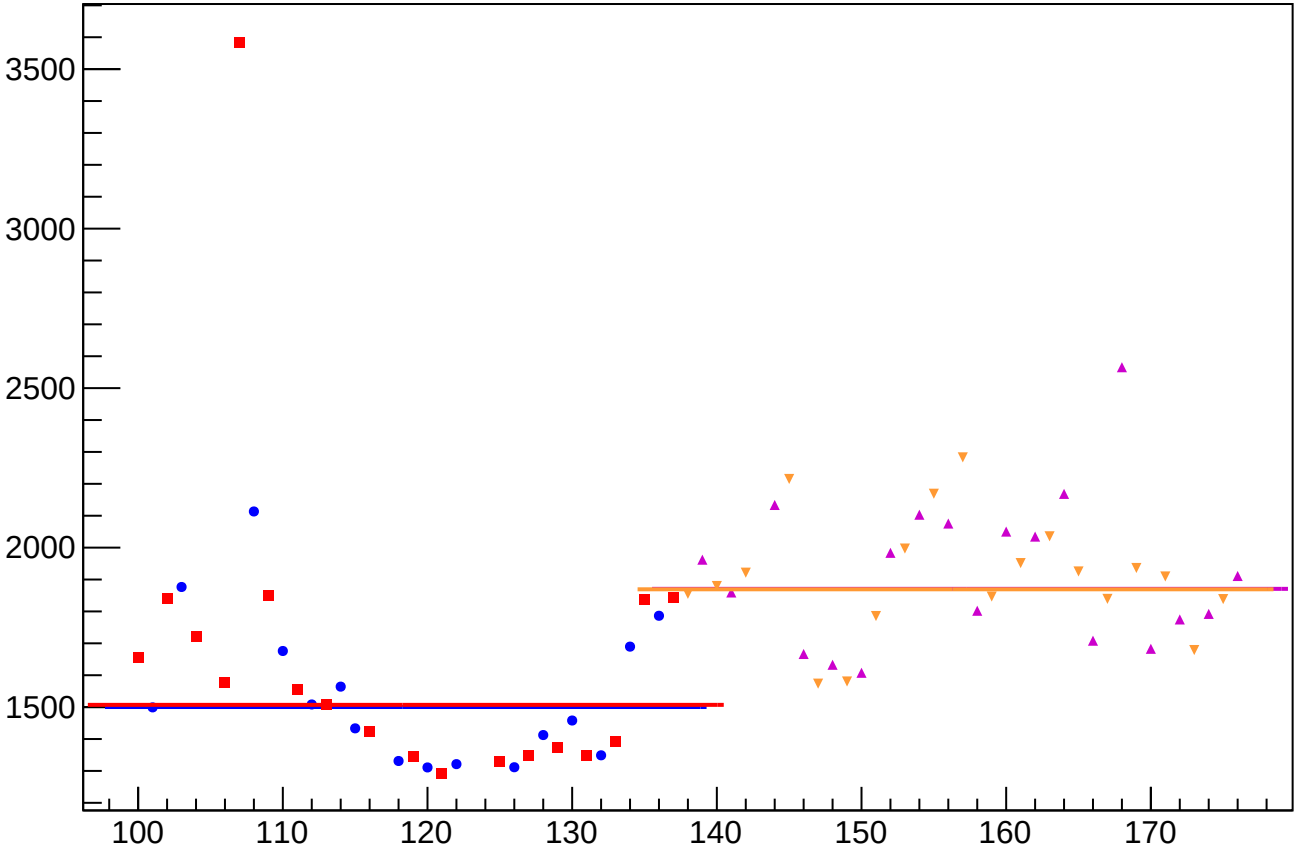
Left In: -1352.877+/-478.487 χ^2/NDF:8.2/18

+ sign 2400.514+/-367.578 χ^2/NDF: 42.0/34

All: 470.363+/-258.911 χ^2/NDF: 123.5/71

- sign -1430.189+/-364.749 χ^2/NDF: 26.8/36

asym_usl_rms vs Slug



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

Left Out: 1869.376+/-0.343 χ^2/NDF:289292.7/18

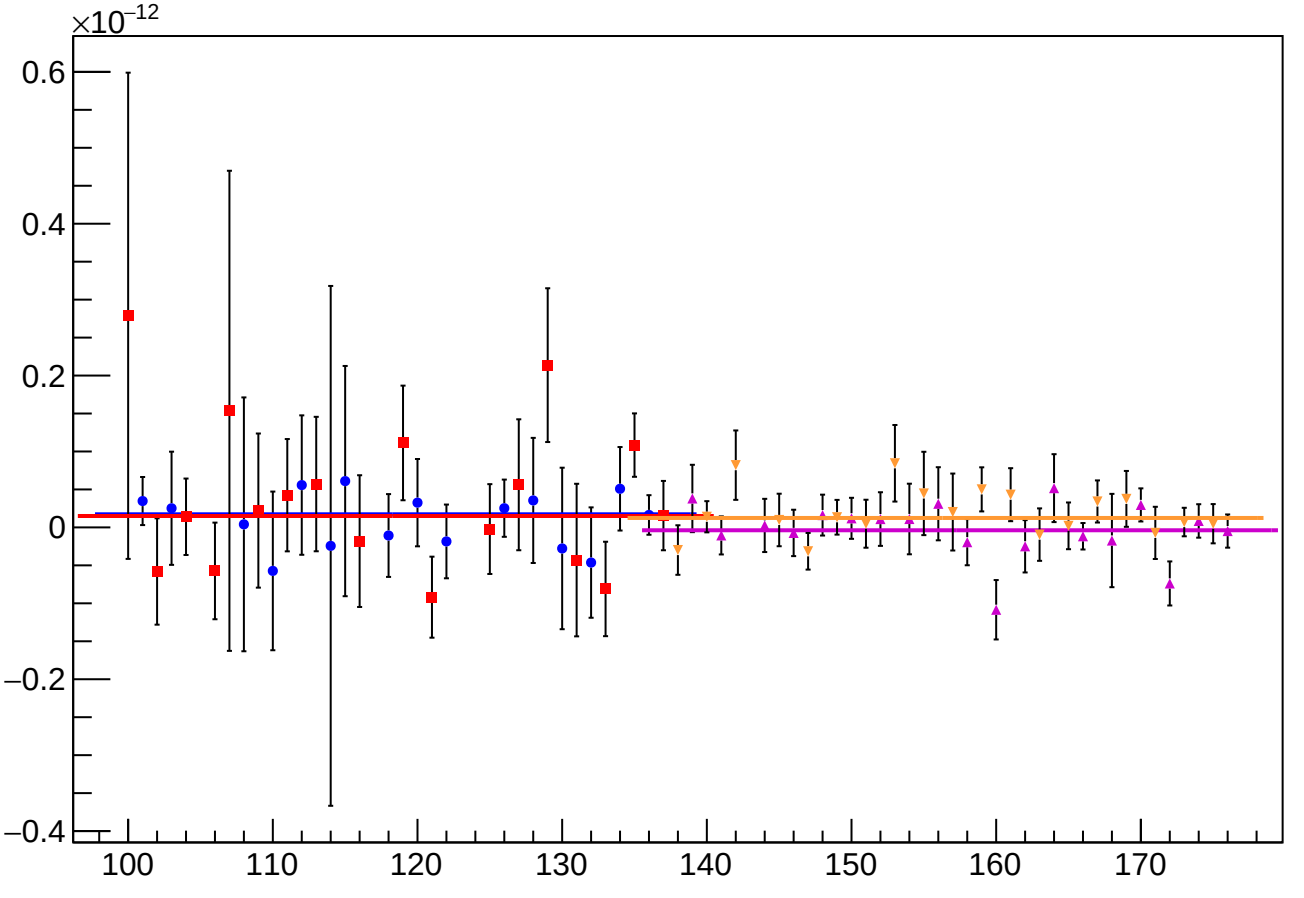
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1870.767+/-0.338 χ^2/NDF:398597.9/18

+ sign 1711.969+/-0.260 χ^2/NDF: 1041091.9/34

All: 1715.222+/-0.183 χ^2/NDF: 2325197.5/71

- sign 1718.425+/-0.258 χ^2/NDF: 1283794.8/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/18

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

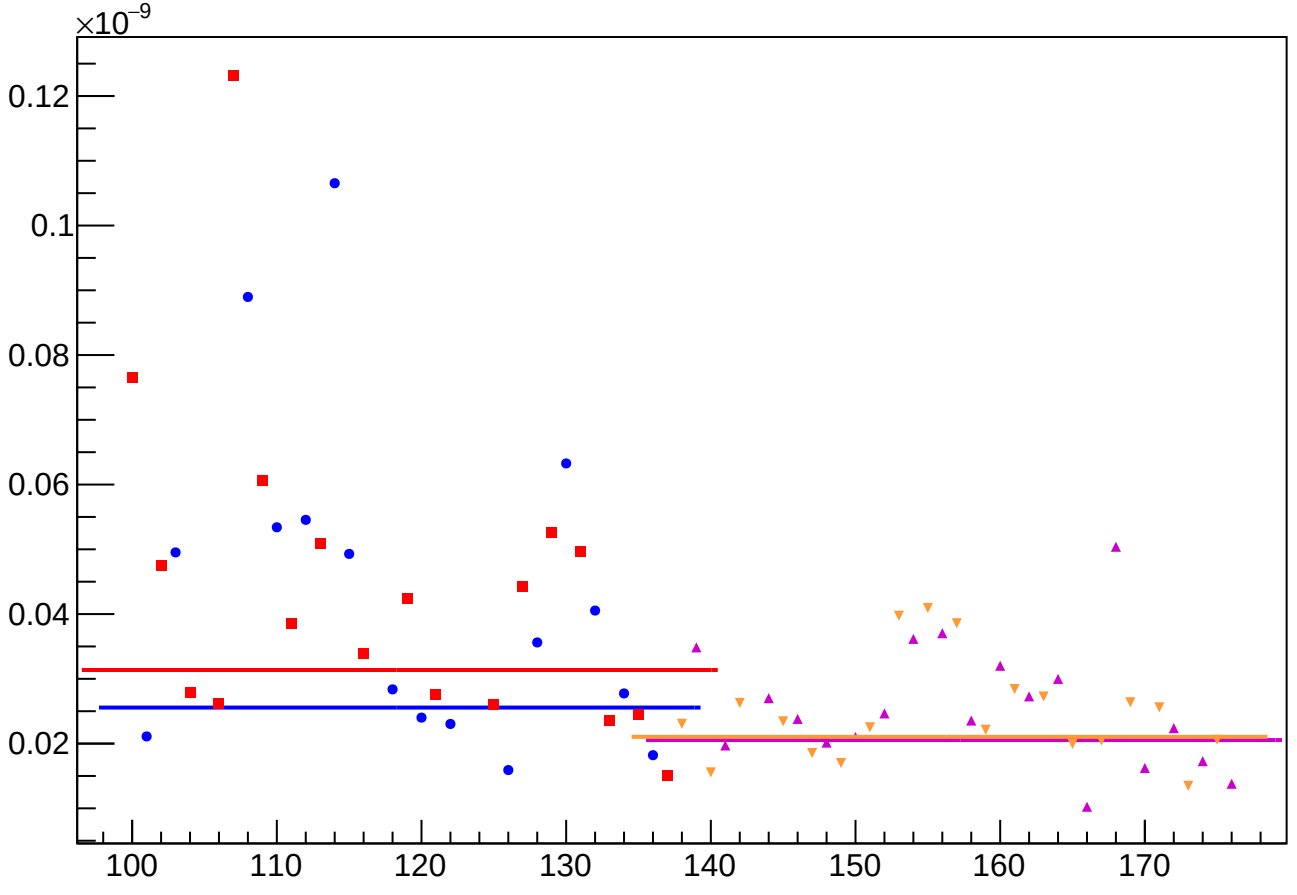
Left In: -0.000+/-0.000 χ^2/NDF:20.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 17.8/34

All: 0.000+/-0.000 χ^2/NDF: 63.8/71

- sign -0.000+/-0.000 χ^2/NDF: 43.2/36

asym_usl_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:1615335.4/18

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

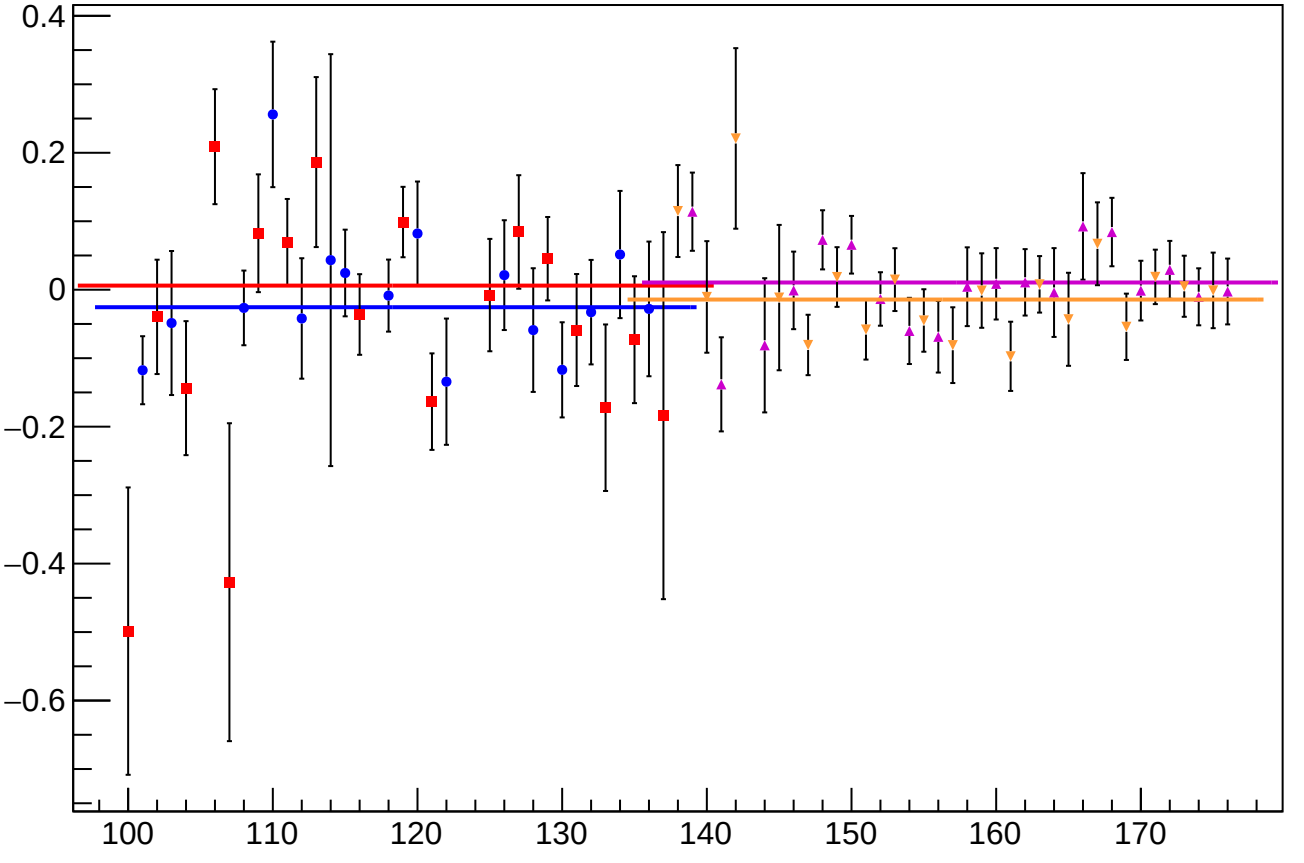
Left In: 0.000+/-0.000 χ^2/NDF:2637717.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 3501467.1/34

All: 0.000+/-0.000 χ^2/NDF: 8139160.9/71

- sign 0.000+/-0.000 χ^2/NDF: 4636900.5/36

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.014+/-0.012 χ^2/NDF:19.7/18

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

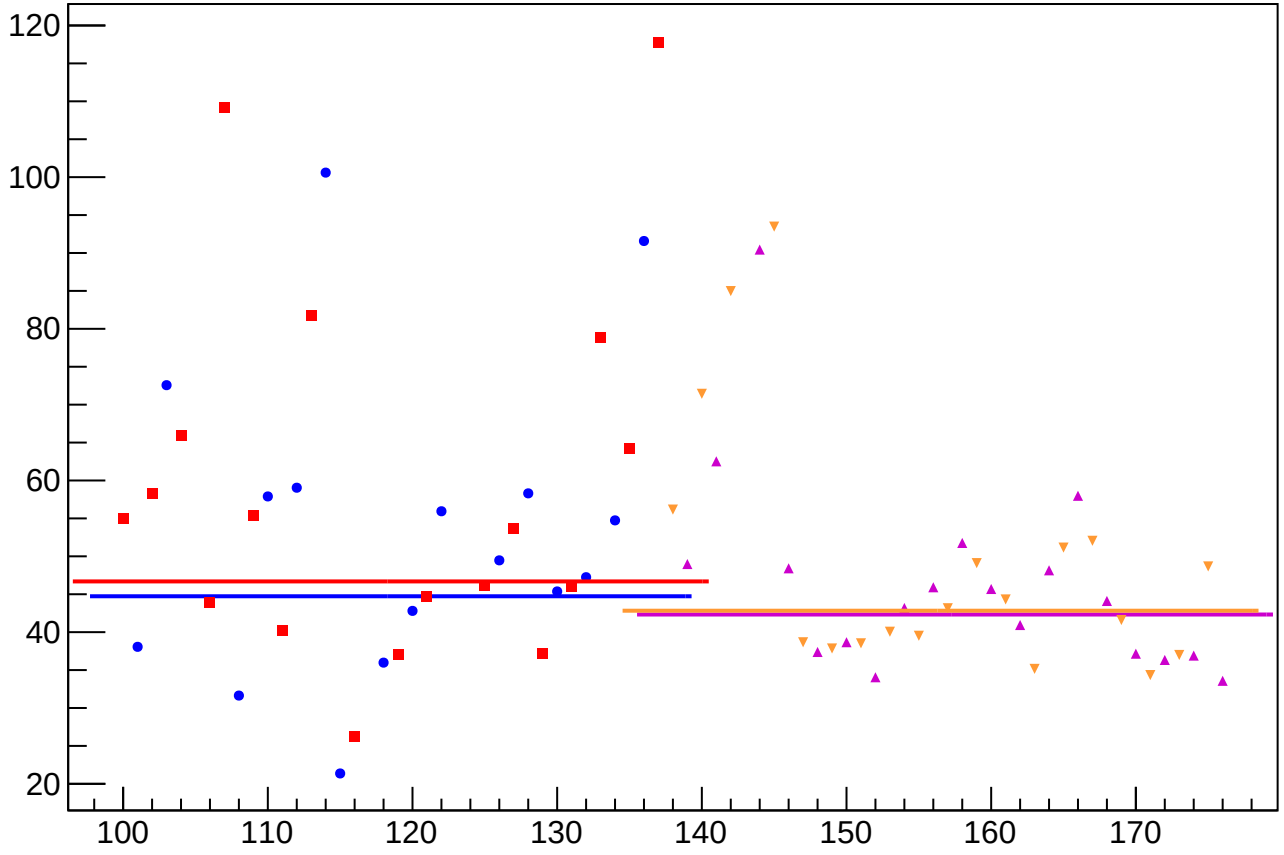
Left In: 0.011+/-0.012 χ^2/NDF:21.4/18

+ sign -0.018+/-0.010 χ^2/NDF: 37.6/34

All: -0.004+/-0.007 χ^2/NDF: 99.2/71

- sign 0.009+/-0.010 χ^2/NDF: 58.0/36

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 42.828+/-0.008 χ^2/NDF:1389010.4/18

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

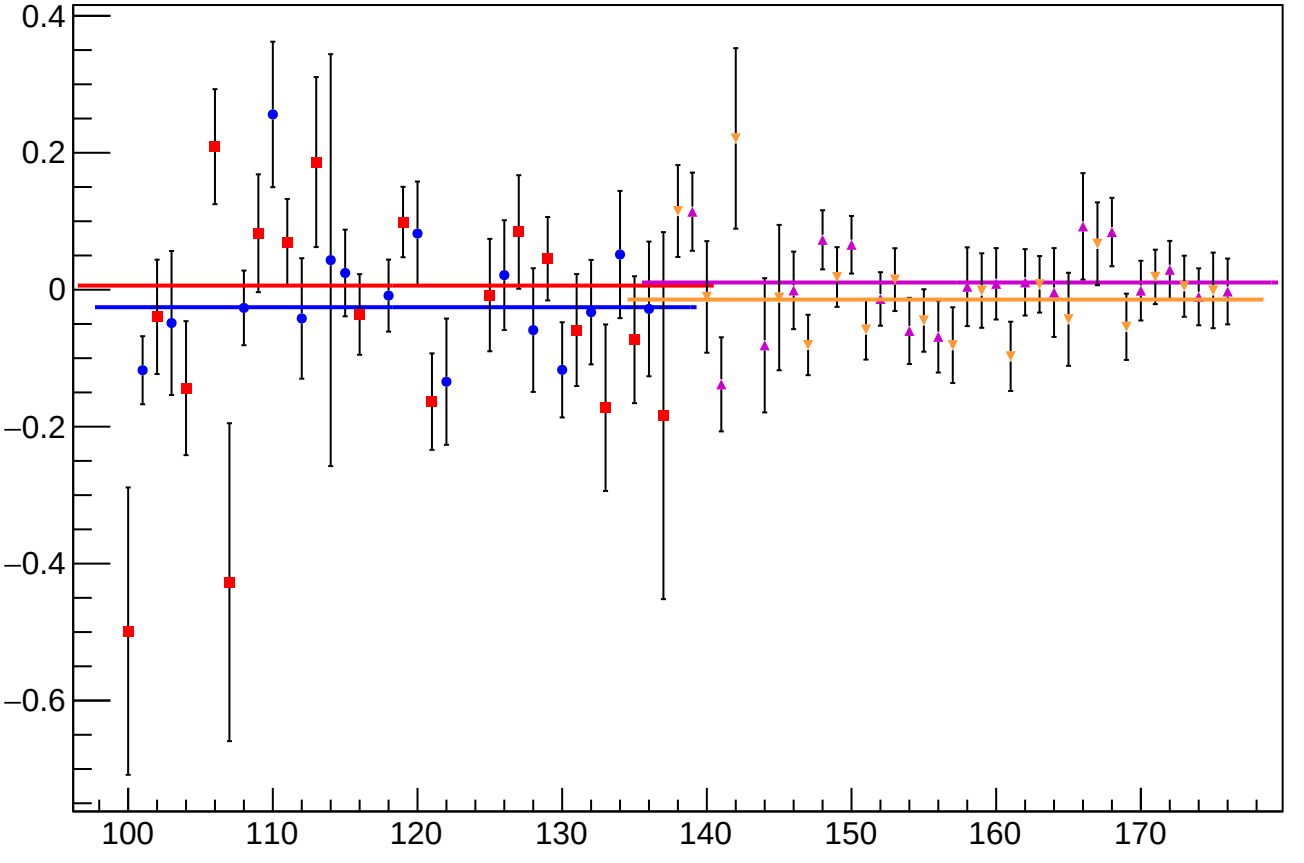
Left In: 42.326+/-0.008 χ^2/NDF:1178244.6/18

+ sign 43.375+/-0.007 χ^2/NDF: 2738245.7/34

All: 43.423+/-0.005 χ^2/NDF: 5186774.5/71

- sign 43.471+/-0.007 χ^2/NDF: 2448435.7/36

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.014+/-0.012 χ^2/NDF:19.7/18

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

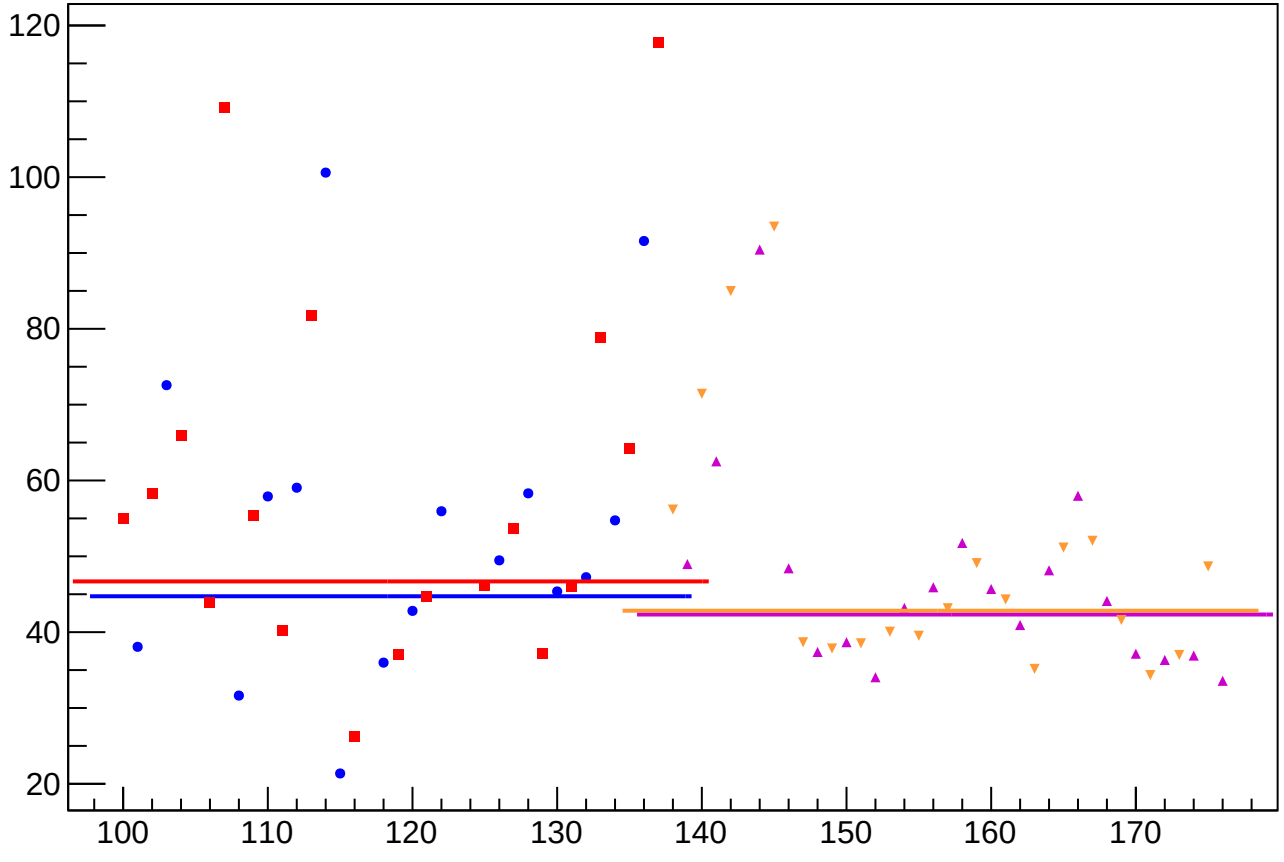
Left In: 0.011+/-0.012 χ^2/NDF:21.4/18

+ sign -0.018+/-0.010 χ^2/NDF: 37.6/34

All: -0.004+/-0.007 χ^2/NDF: 99.2/71

- sign 0.009+/-0.010 χ^2/NDF: 58.0/36

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 42.828+/-0.008 χ^2/NDF:1389010.4/18

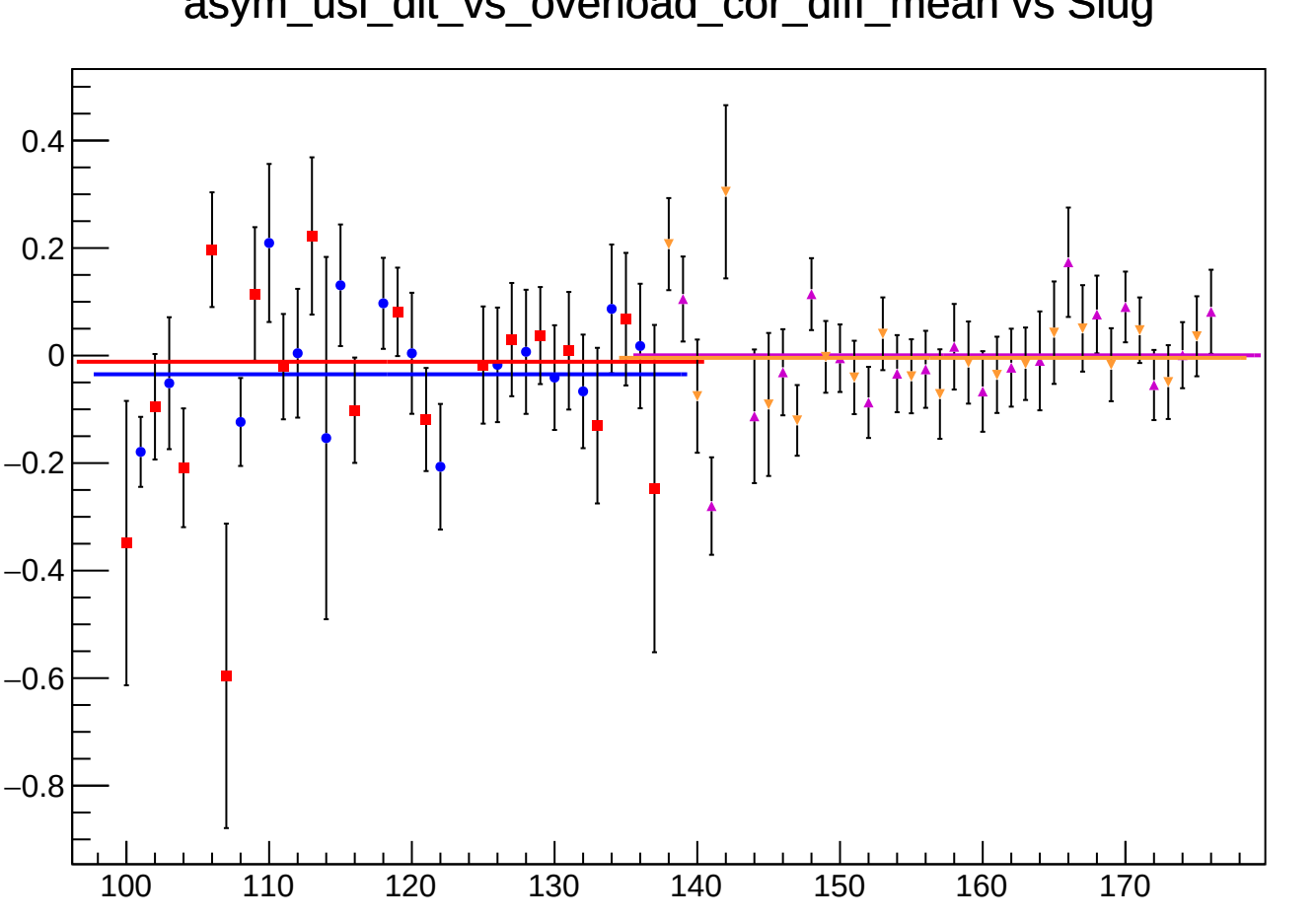
Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 42.326+/-0.008 χ^2/NDF:1178244.6/18

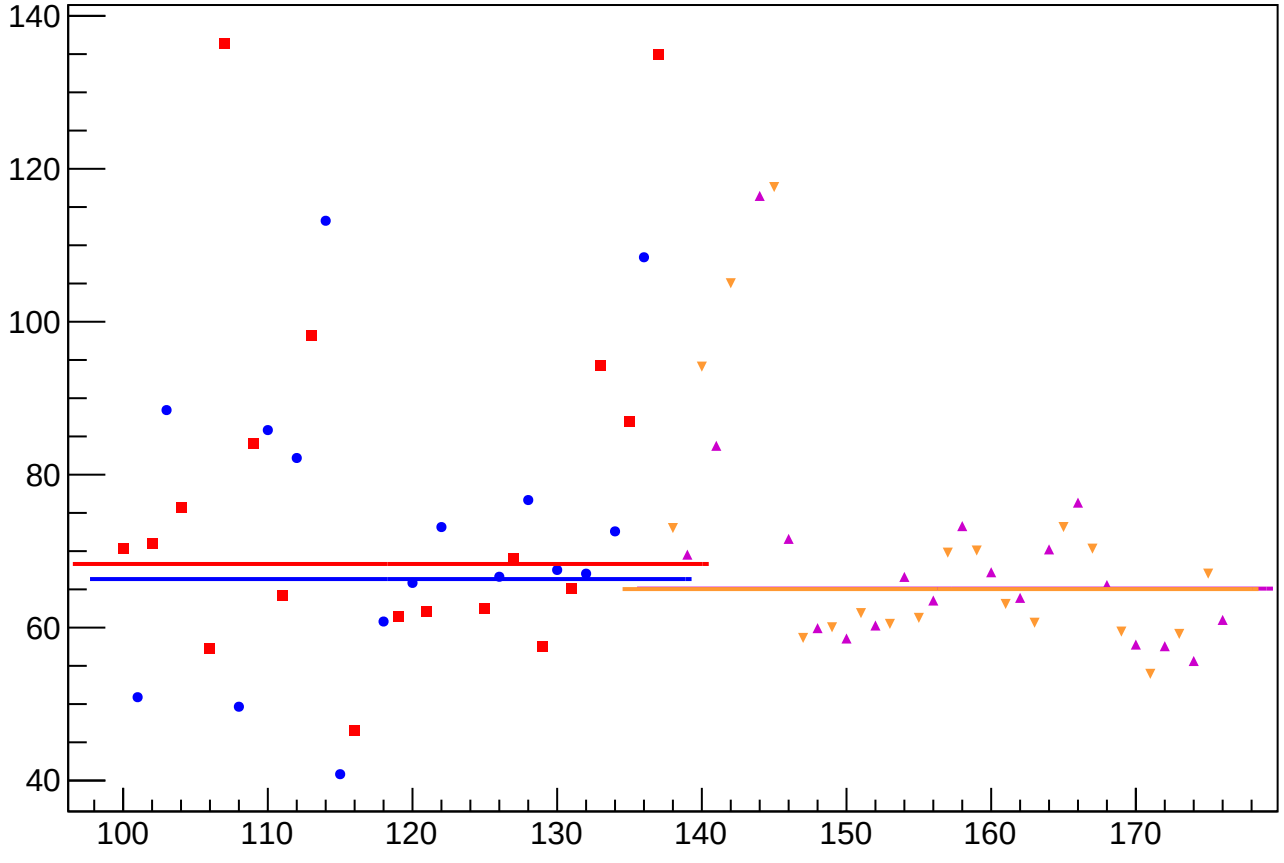
+ sign 43.375+/-0.007 χ^2/NDF: 2738245.7/34

All: 43.423+/-0.005 χ^2/NDF: 5186774.5/71

- sign 43.471+/-0.007 χ^2/NDF: 2448435.7/36


asym_usl_dit_vs_overload_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.004+/-0.017 χ²/NDF:17.8/18
Right Out: -0.012+/-0.027 χ²/NDF: 22.8/17
Left In: 0.000+/-0.017 χ²/NDF:25.9/18
+ sign -0.014+/-0.015 χ²/NDF: 36.2/34
All: -0.008+/-0.010 χ²/NDF: 85.3/71
- sign -0.003+/-0.014 χ²/NDF: 48.8/36

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 65.038+/-0.012 χ^2/NDF:799196.9/18

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

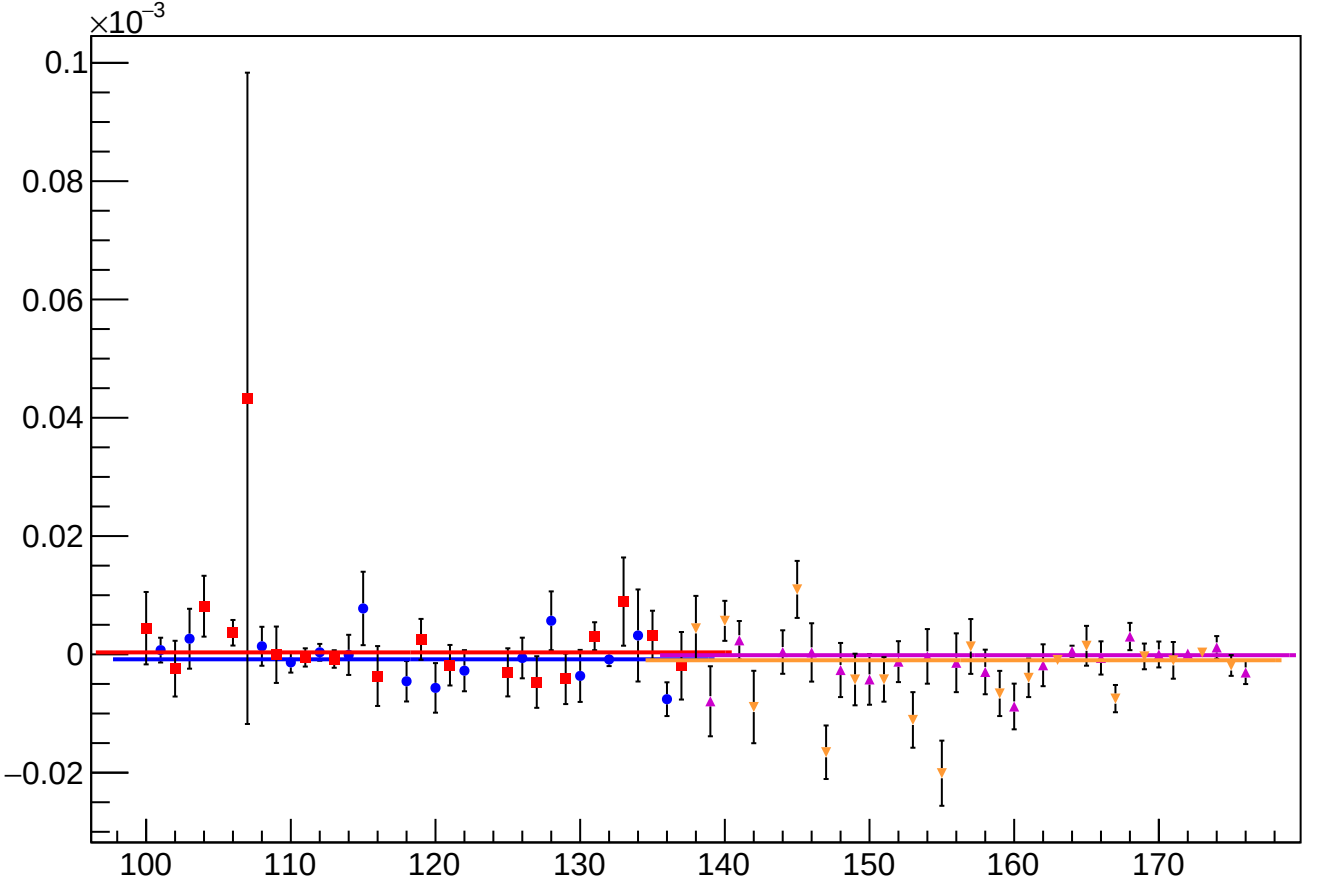
Left In: 65.099+/-0.012 χ^2/NDF:650075.7/18

+ sign 65.438+/-0.010 χ^2/NDF: 1575307.6/34

All: 65.734+/-0.007 χ^2/NDF: 2877154.3/71

- sign 66.026+/-0.010 χ^2/NDF: 1300193.0/36

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:58.1/18

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

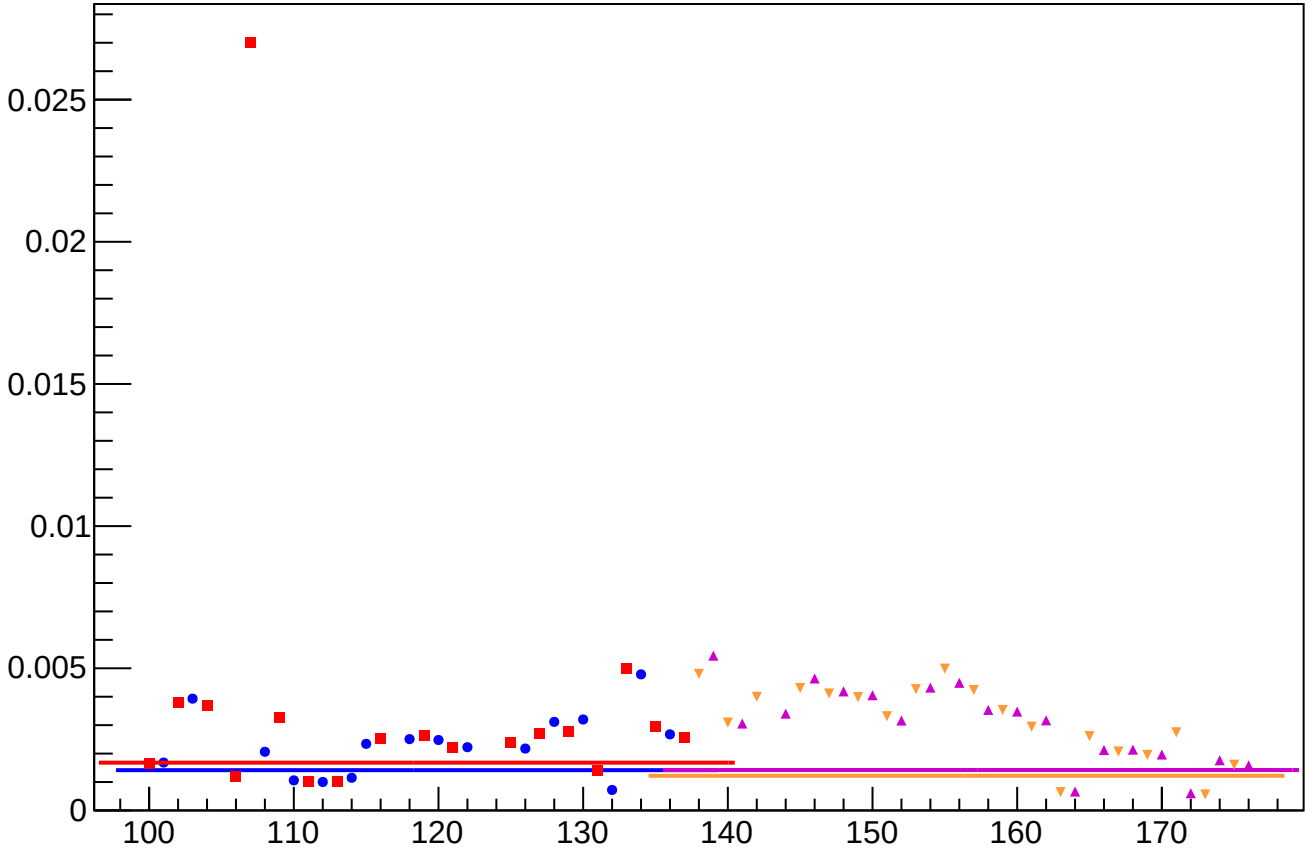
Left In: -0.000+/-0.000 χ^2/NDF:14.8/18

+ sign -0.000+/-0.000 χ^2/NDF: 73.2/34

All: -0.000+/-0.000 χ^2/NDF: 106.2/71

- sign 0.000+/-0.000 χ^2/NDF: 29.9/36

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.001+/-0.000 χ^2/NDF:13258871.5/18

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

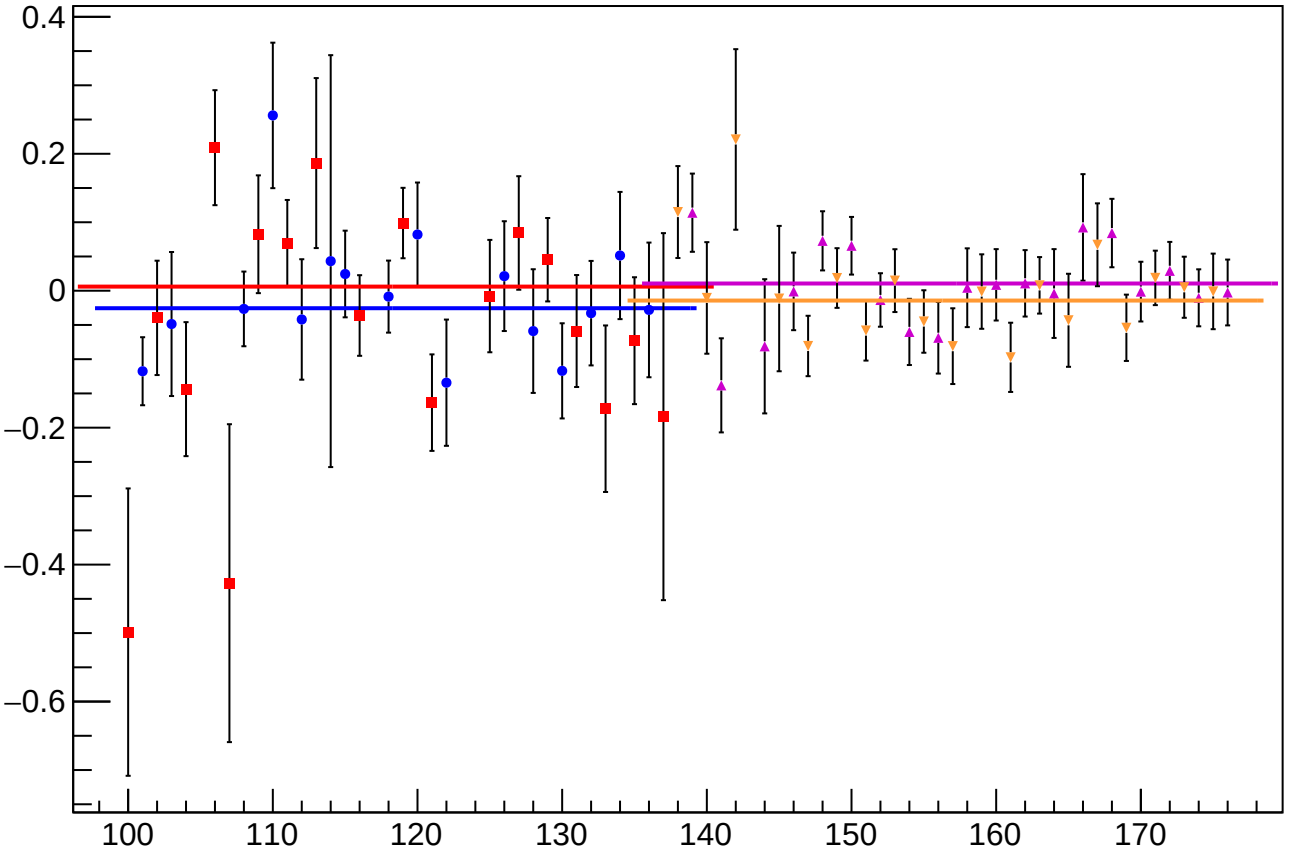
Left In: 0.001+/-0.000 χ^2/NDF:11975310.1/18

+ sign 0.001+/-0.000 χ^2/NDF: 16946003.3/34

All: 0.001+/-0.000 χ^2/NDF: 32859401.6/71

- sign 0.001+/-0.000 χ^2/NDF: 15582279.4/36

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.014+/-0.012 χ^2/NDF:19.7/18

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

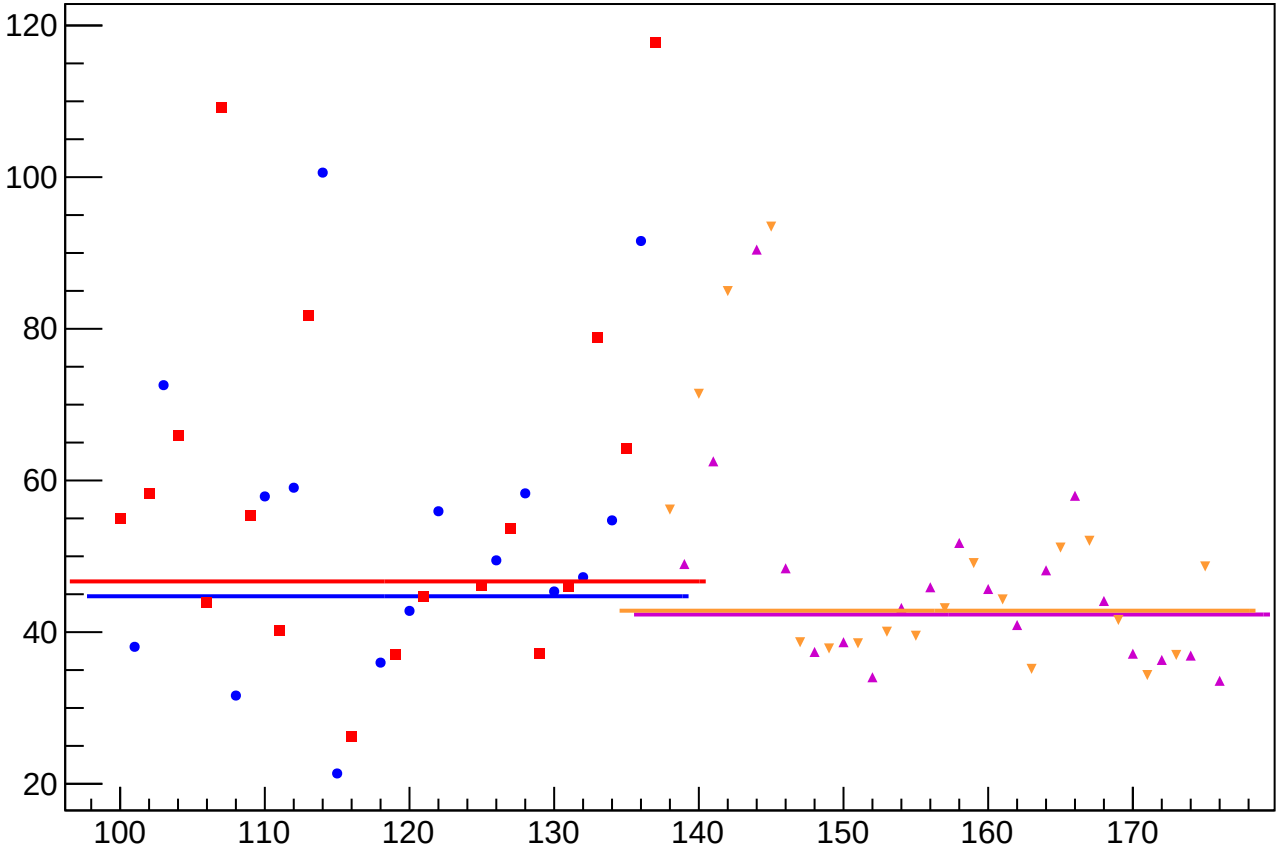
Left In: 0.011+/-0.012 χ^2/NDF:21.4/18

+ sign -0.018+/-0.010 χ^2/NDF: 37.6/34

All: -0.004+/-0.007 χ^2/NDF: 99.2/71

- sign 0.009+/-0.010 χ^2/NDF: 58.0/36

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 42.828+/-0.008 χ^2/NDF:1388978.4/18

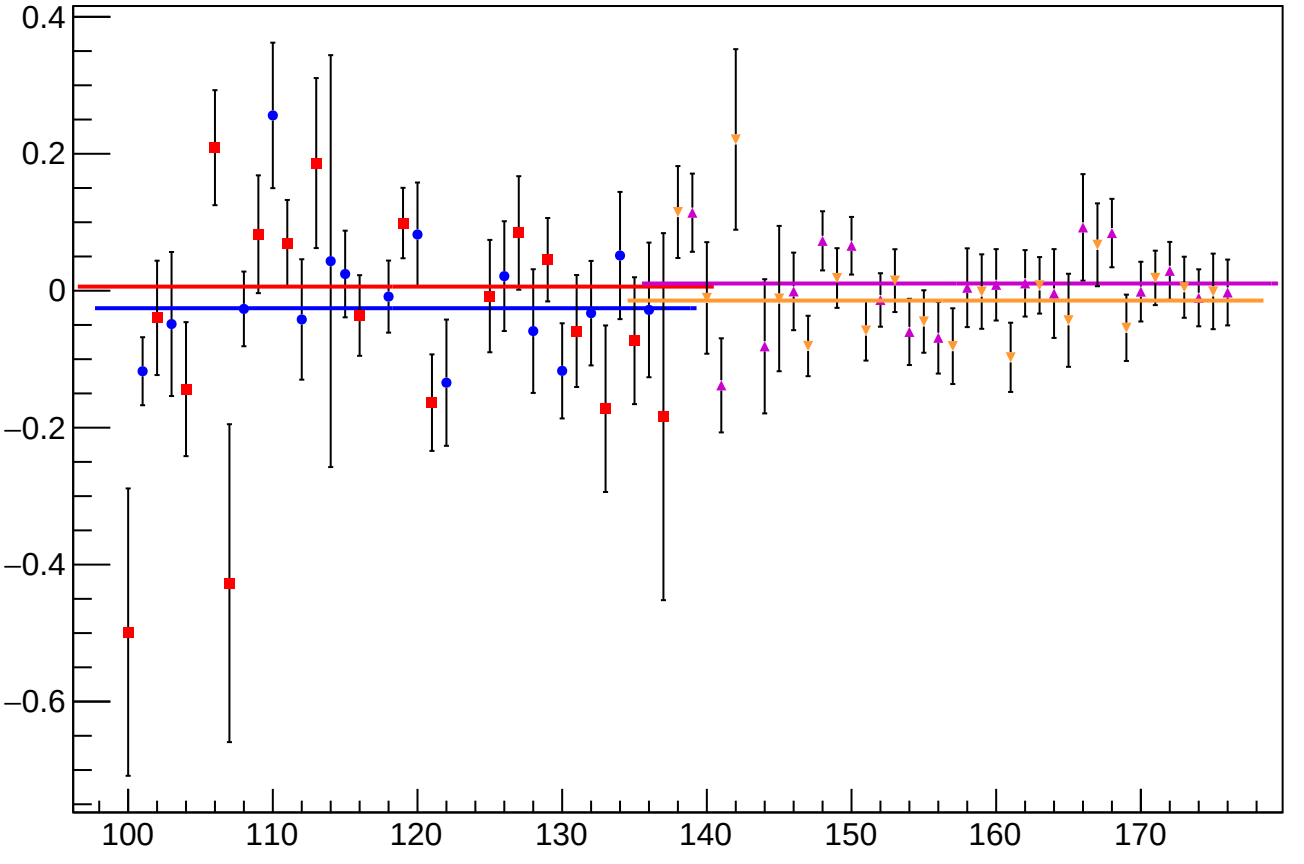
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.327+/-0.008 χ^2/NDF:1178189.5/18

+ sign 43.375+/-0.007 χ^2/NDF: 2738259.3/34

All: 43.423+/-0.005 χ^2/NDF: 5186731.2/71

- sign 43.471+/-0.007 χ^2/NDF: 2448378.5/36



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

Left Out: -0.014+/-0.012 χ^2/NDF:19.7/18

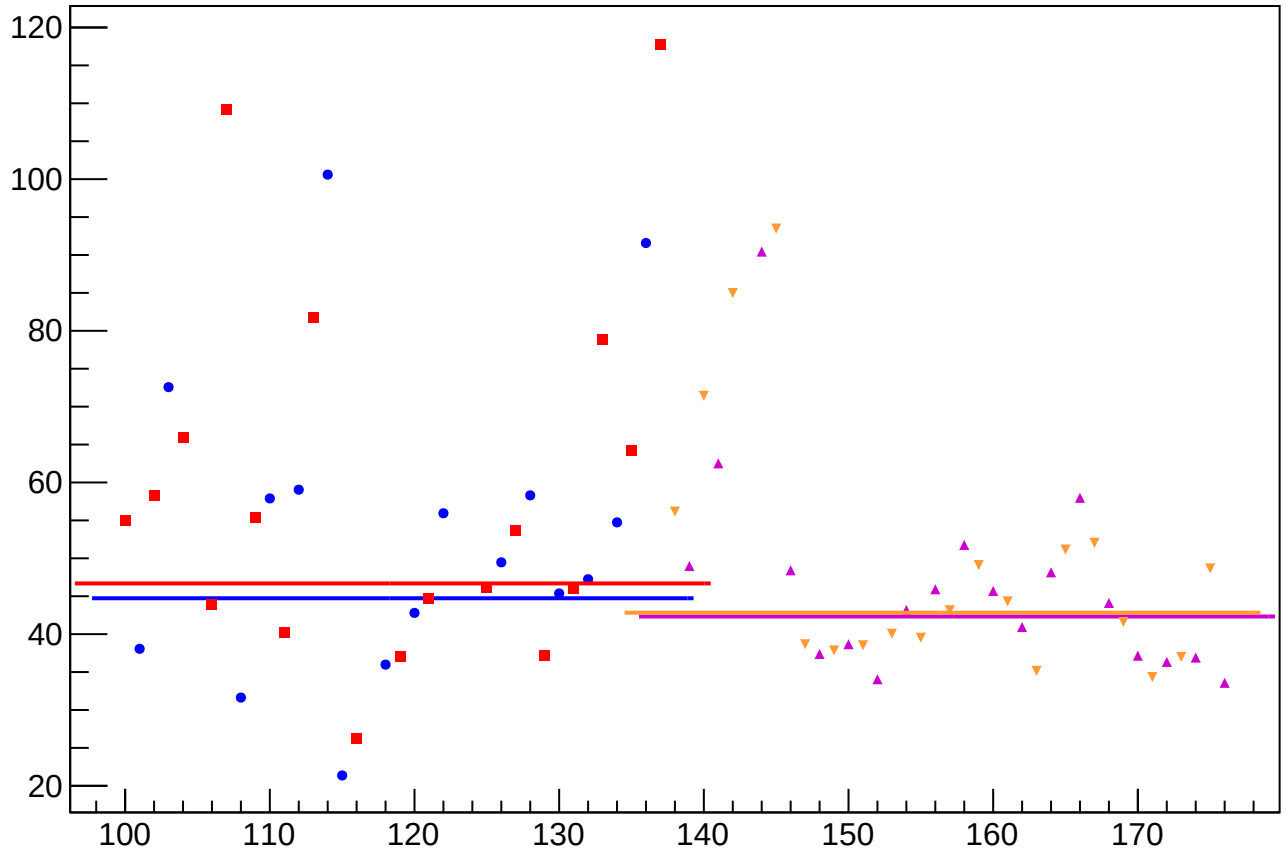
Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.011+/-0.012 χ^2/NDF:21.4/18

+ sign -0.018+/-0.010 χ^2/NDF: 37.6/34

All: -0.004+/-0.007 χ^2/NDF: 99.2/71

- sign 0.009+/-0.010 χ^2/NDF: 58.0/36



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

Left Out: 42.828+/-0.008 χ^2/NDF:1388978.4/18

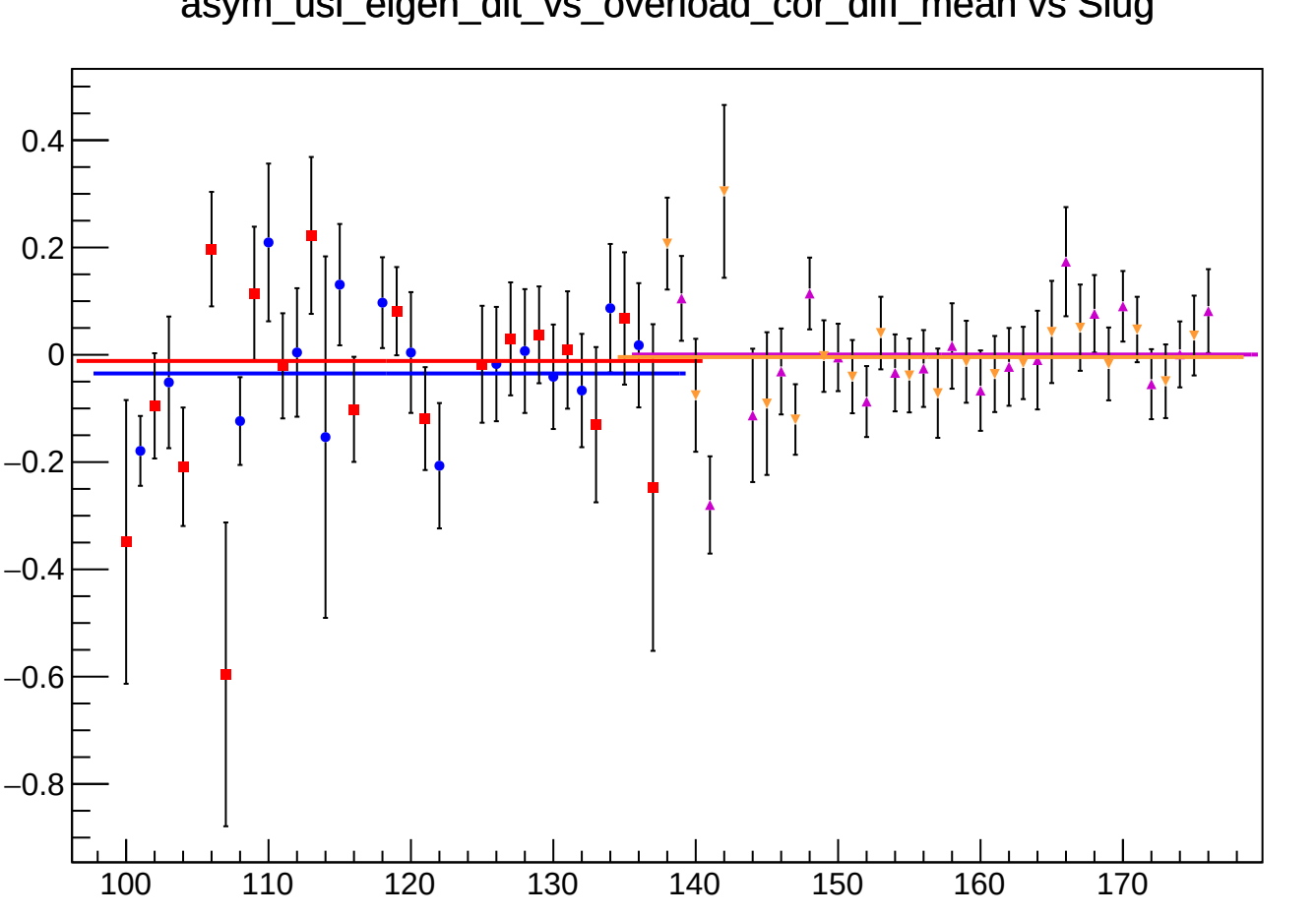
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.327+/-0.008 χ^2/NDF:1178189.5/18

+ sign 43.375+/-0.007 χ^2/NDF: 2738259.3/34

All: 43.423+/-0.005 χ^2/NDF: 5186731.2/71

- sign 43.471+/-0.007 χ^2/NDF: 2448378.5/36



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

Left Out: -0.004+/-0.017 χ^2/NDF:17.8/18

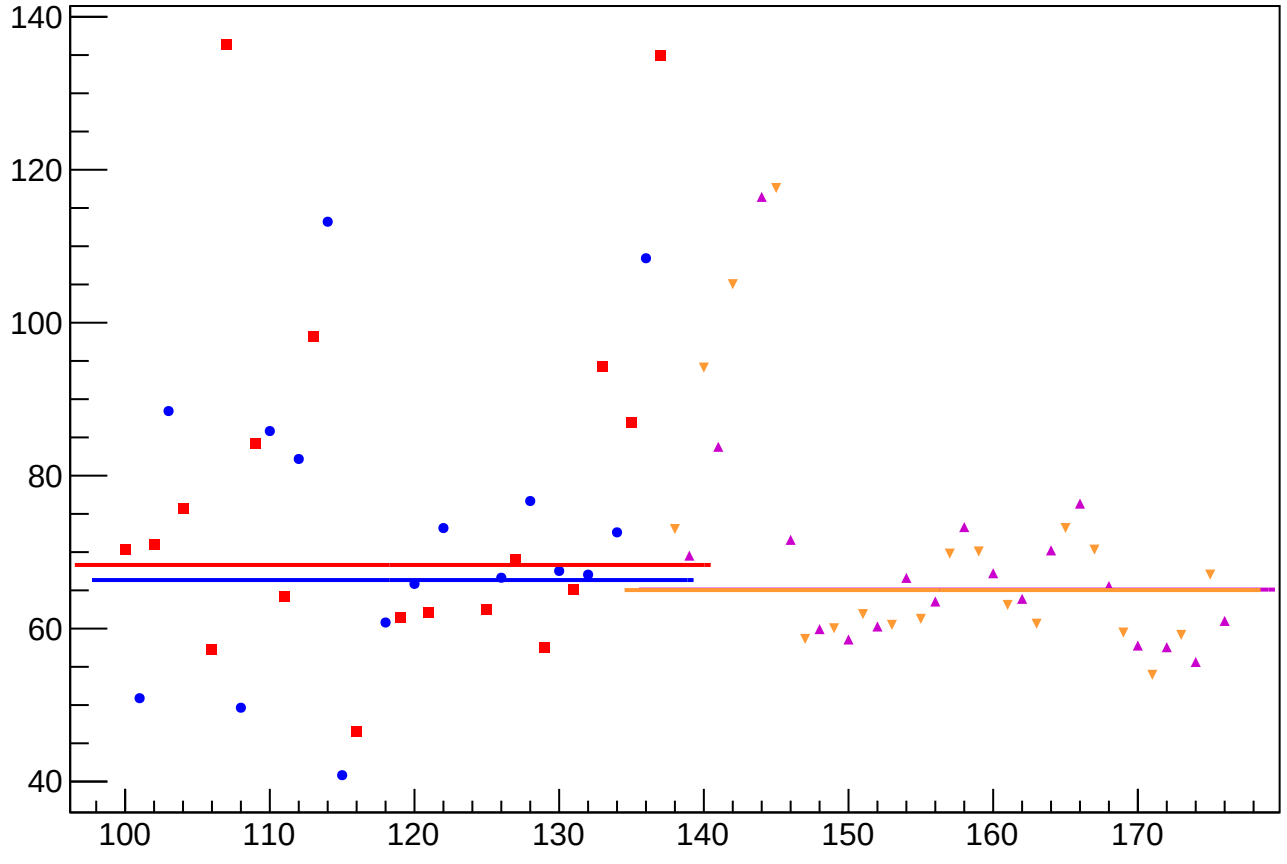
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.000+/-0.017 χ^2/NDF:25.9/18

+ sign -0.014+/-0.015 χ^2/NDF: 36.2/34

All: -0.008+/-0.010 χ^2/NDF: 85.3/71

- sign -0.003+/-0.014 χ^2/NDF: 48.8/36



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

Left Out: 65.038+/-0.012 χ^2/NDF:799184.3/18

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

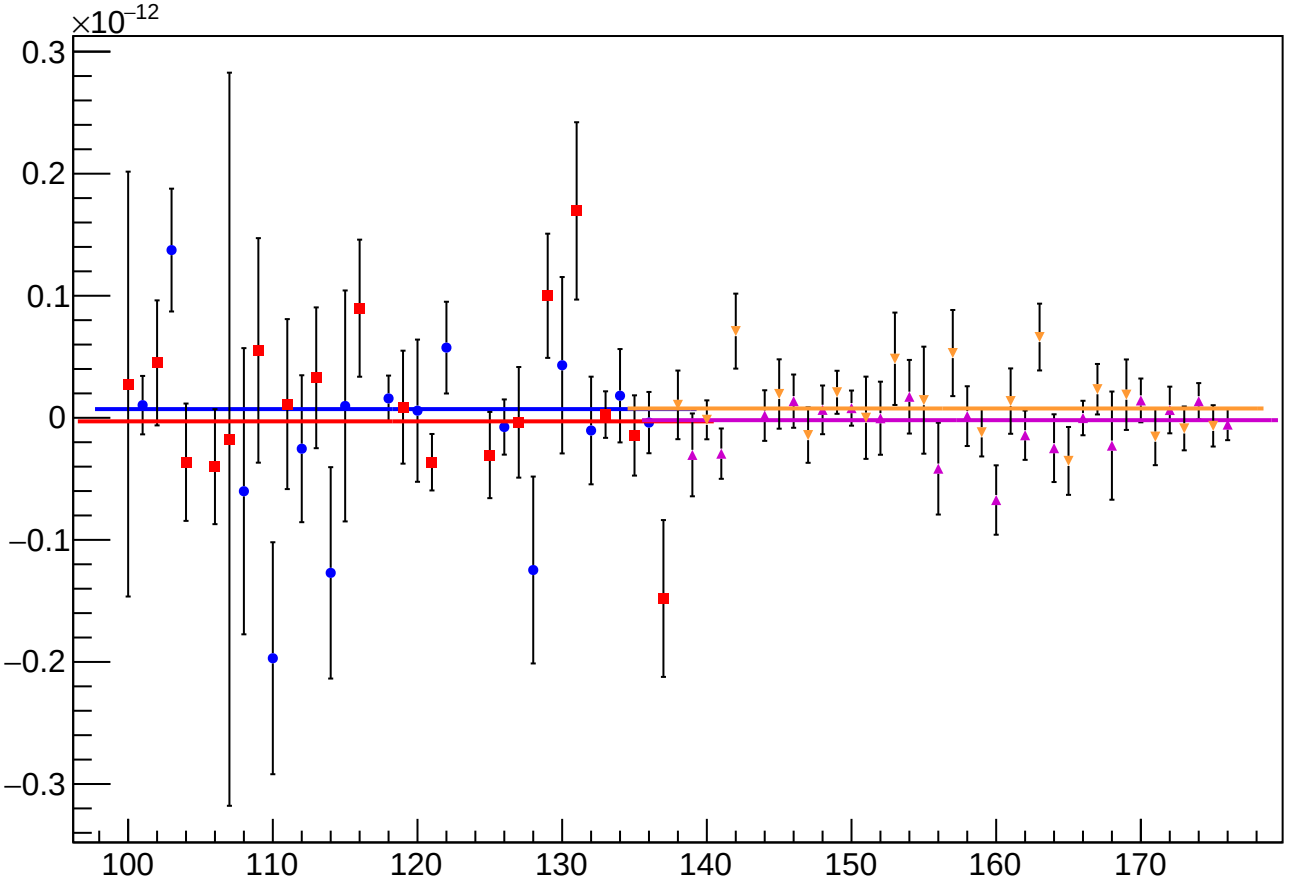
Left In: 65.099+/-0.012 χ^2/NDF:650065.1/18

+ sign 65.438+/-0.010 χ^2/NDF: 1575299.1/34

All: 65.734+/-0.007 χ^2/NDF: 2877120.6/71

- sign 66.026+/-0.010 χ^2/NDF: 1300167.7/36

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:20.4/18

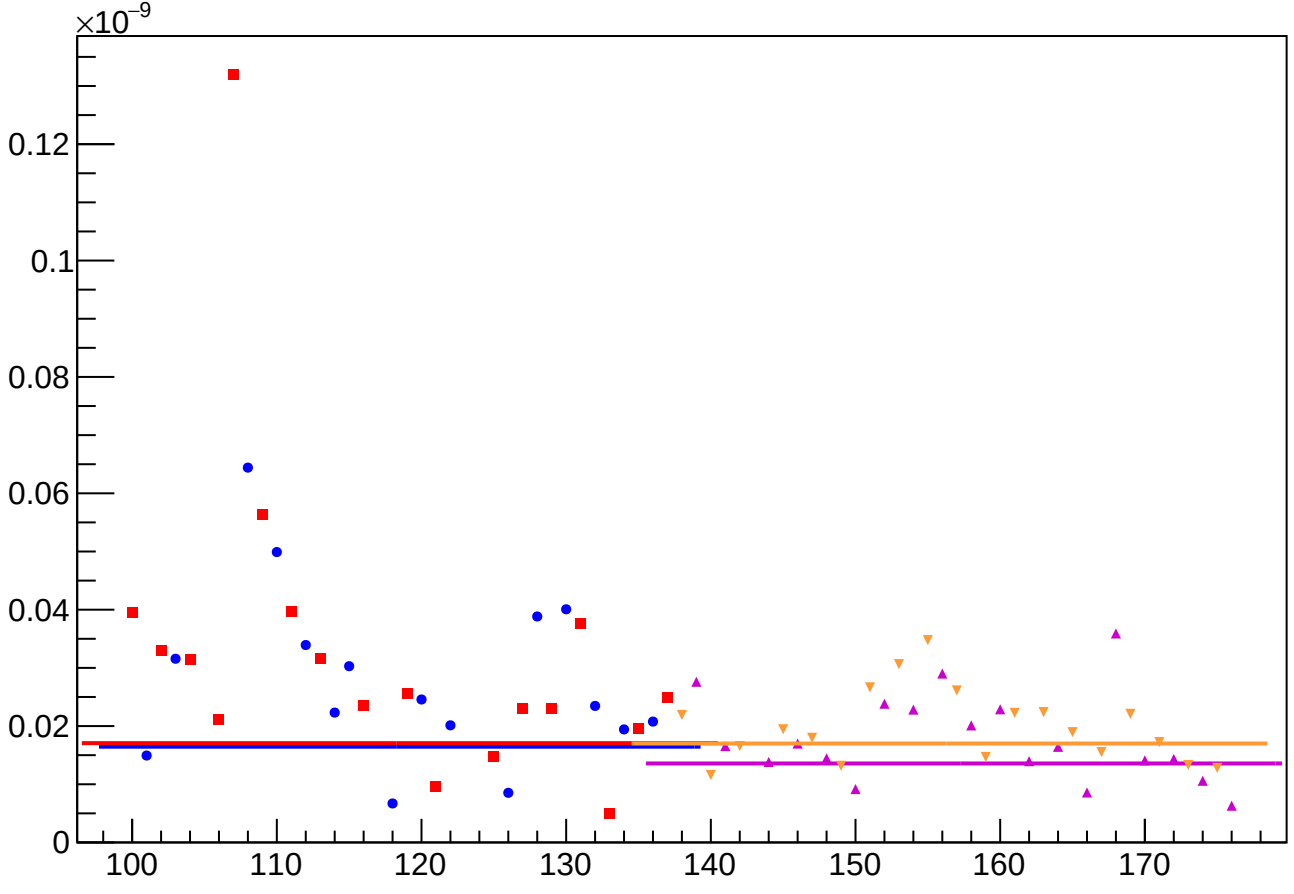
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: -0.000+/-0.000 χ^2/NDF:14.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 40.8/34

All: 0.000+/-0.000 χ^2/NDF: 80.5/71

- sign -0.000+/-0.000 χ^2/NDF: 37.3/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:1761904.3/18

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

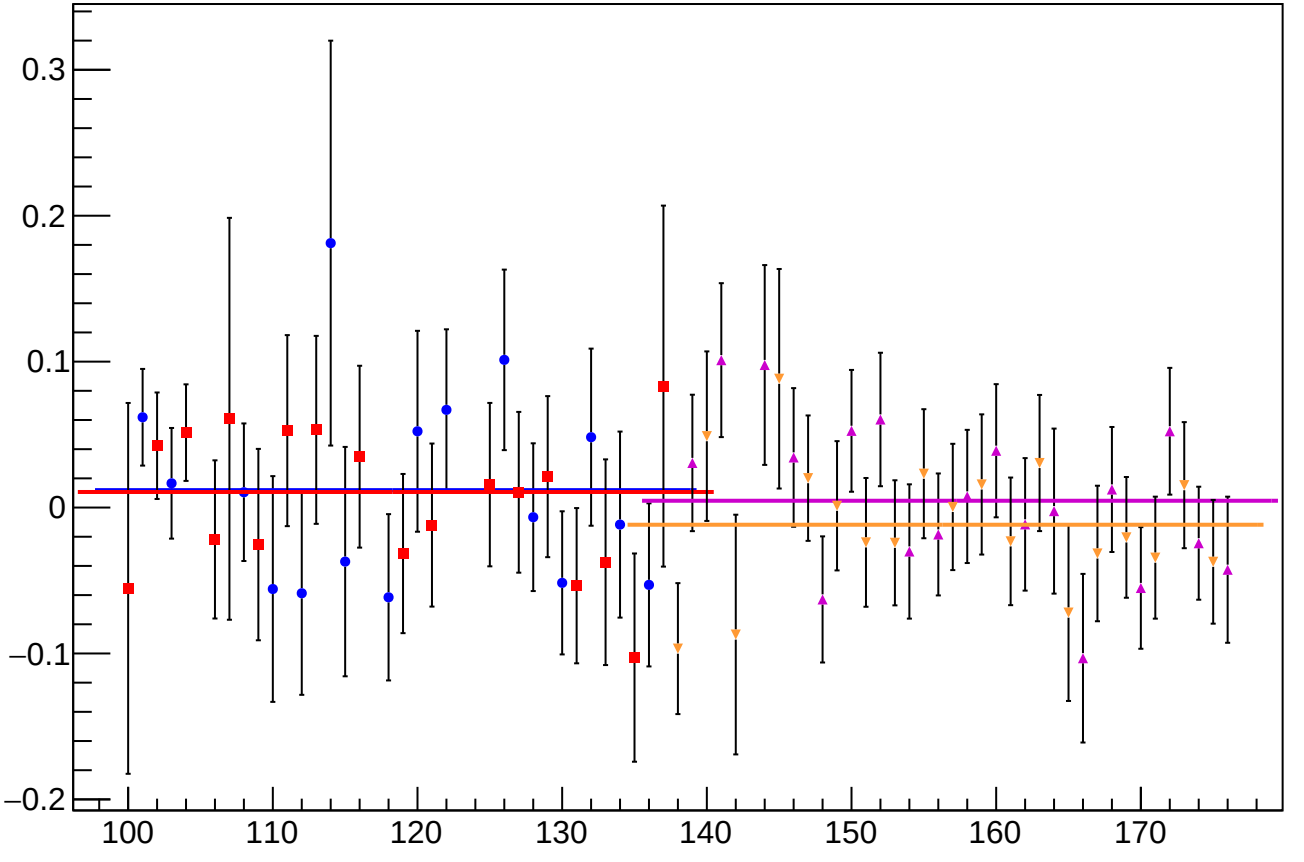
Left In: 0.000+/-0.000 χ^2/NDF:3253529.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 4112911.1/34

All: 0.000+/-0.000 χ^2/NDF: 10722491.0/71

- sign 0.000+/-0.000 χ^2/NDF: 6251957.5/36

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+/-0.011 χ^2/NDF:12.3/18

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

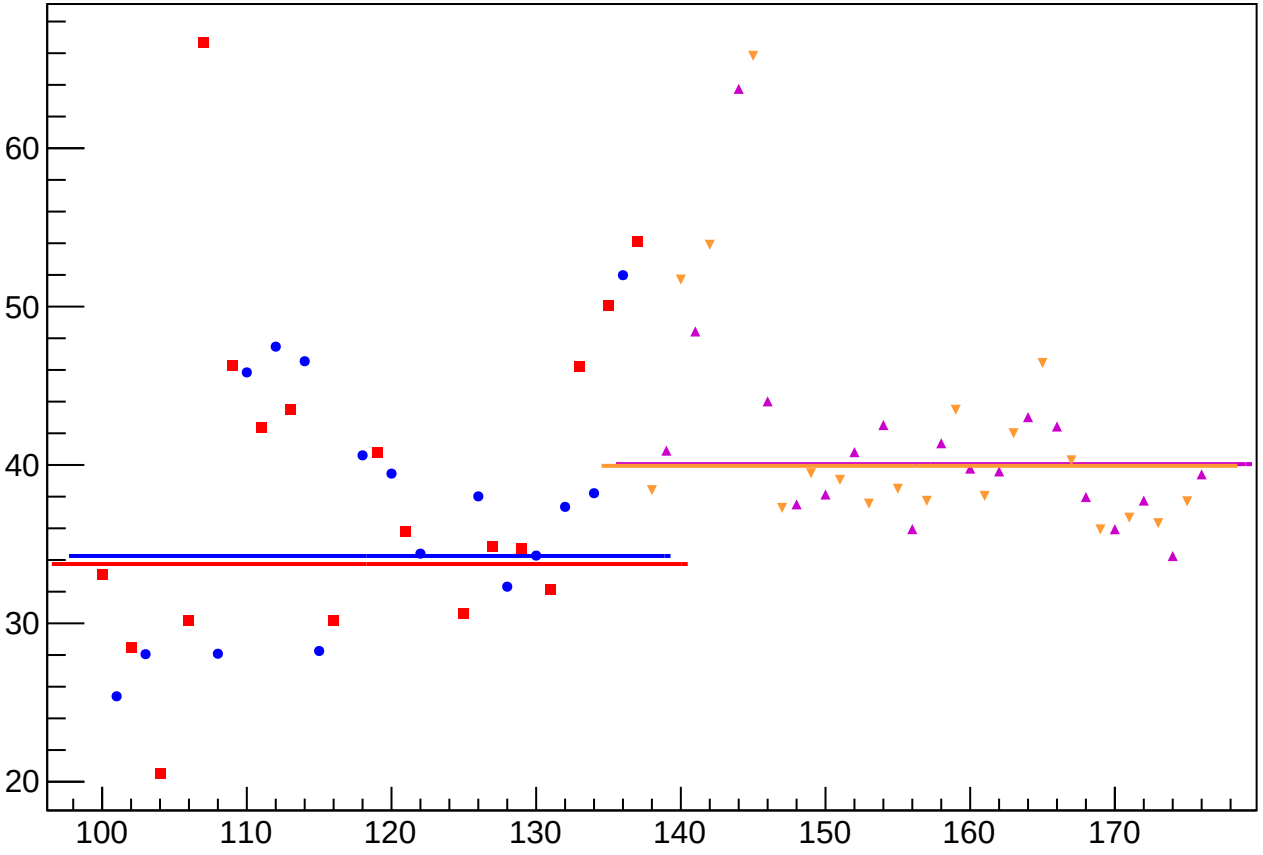
Left In: 0.005+/-0.011 χ^2/NDF:21.0/18

+ sign -0.003+/-0.008 χ^2/NDF: 28.8/34

All: 0.002+/-0.006 χ^2/NDF: 60.5/71

- sign 0.007+/-0.008 χ^2/NDF: 31.0/36

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 39.947+/-0.008 χ^2/NDF:493517.5/18

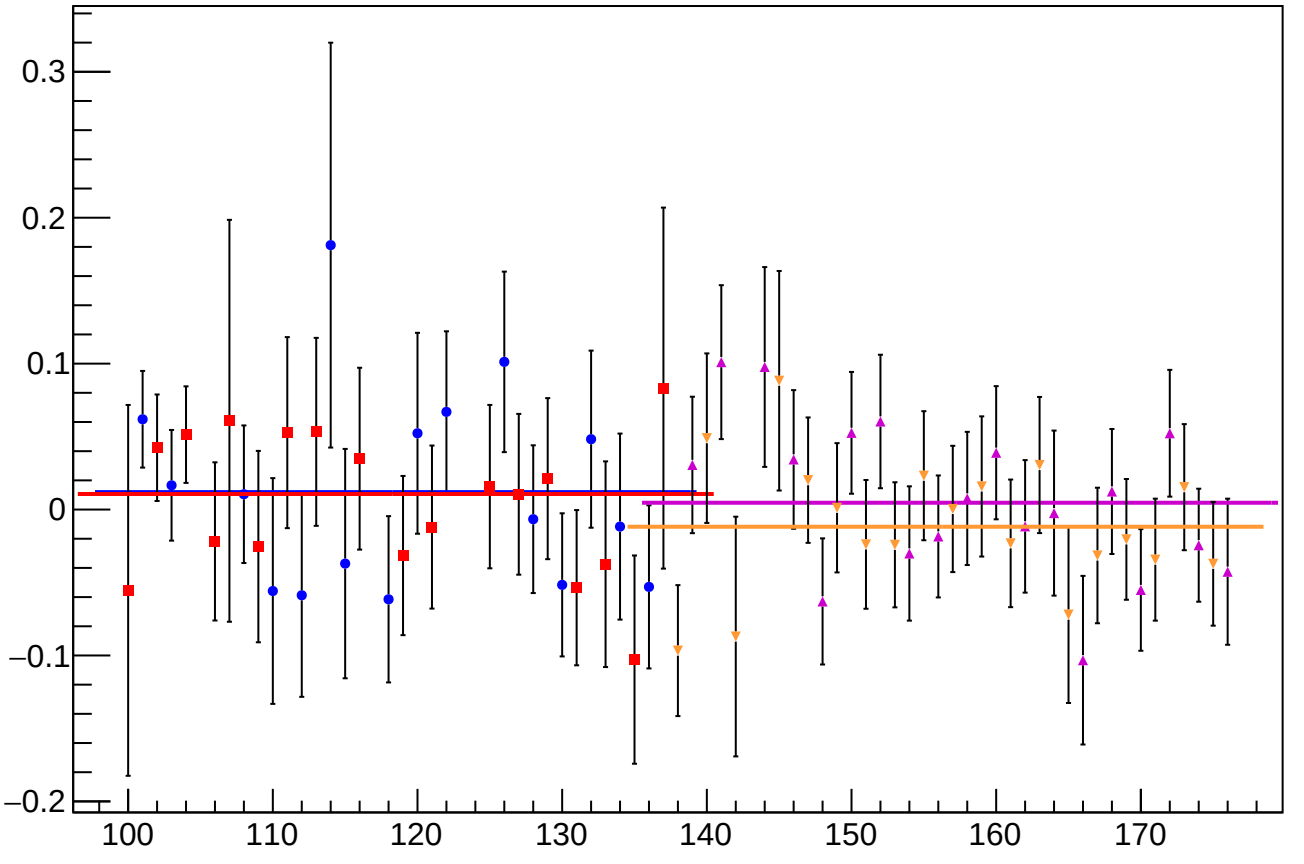
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 40.054+/-0.008 χ^2/NDF:427135.9/18

+ sign 37.763+/-0.006 χ^2/NDF: 1345118.2/34

All: 37.697+/-0.004 χ^2/NDF: 2955735.8/71

- sign 37.632+/-0.006 χ^2/NDF: 1610371.3/36



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

Left Out: -0.012+/-0.011 χ^2/NDF:12.3/18

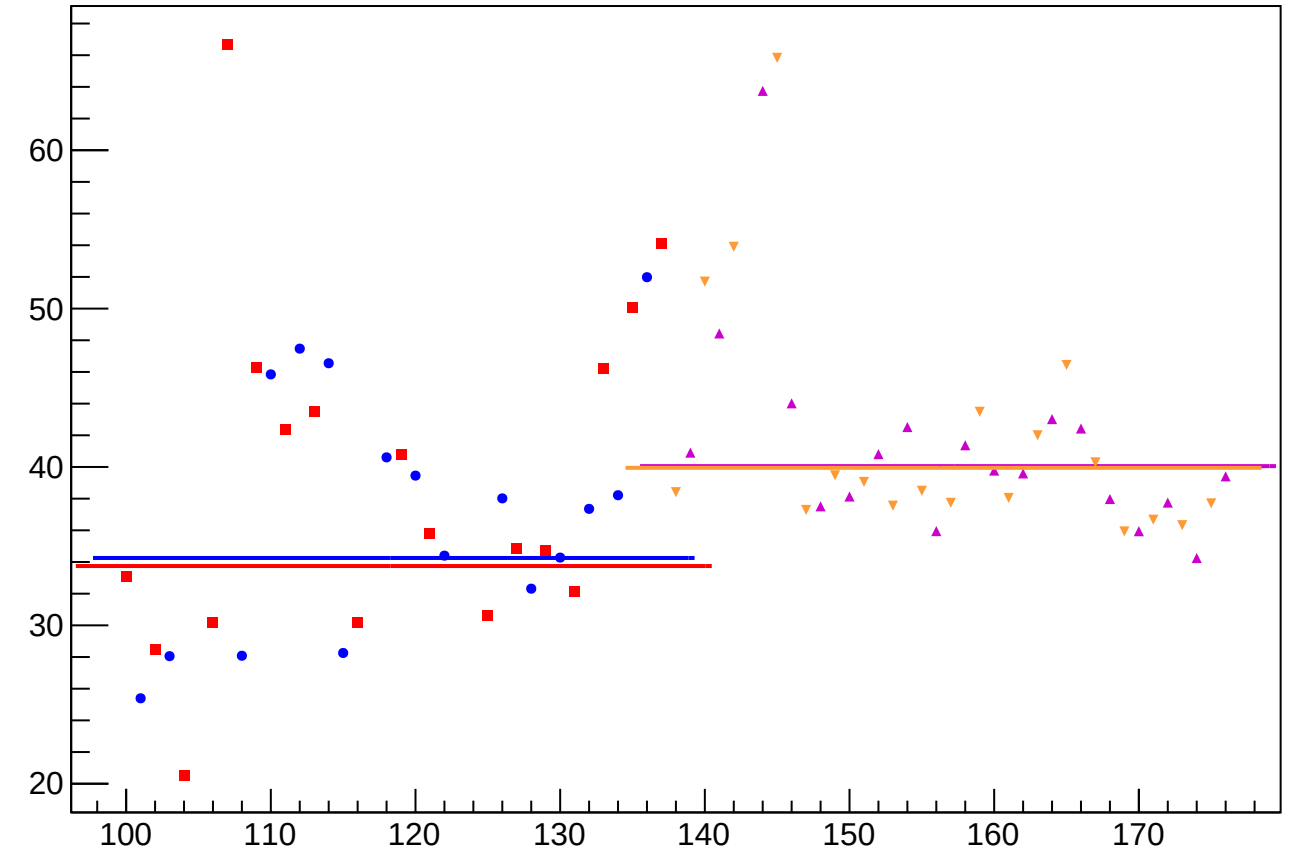
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.005+/-0.011 χ^2/NDF:21.0/18

+ sign -0.003+/-0.008 χ^2/NDF: 28.8/34

All: 0.002+/-0.006 χ^2/NDF: 60.5/71

- sign 0.007+/-0.008 χ^2/NDF: 31.0/36



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

Left Out: 39.947+/-0.008 χ^2/NDF:493517.5/18

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

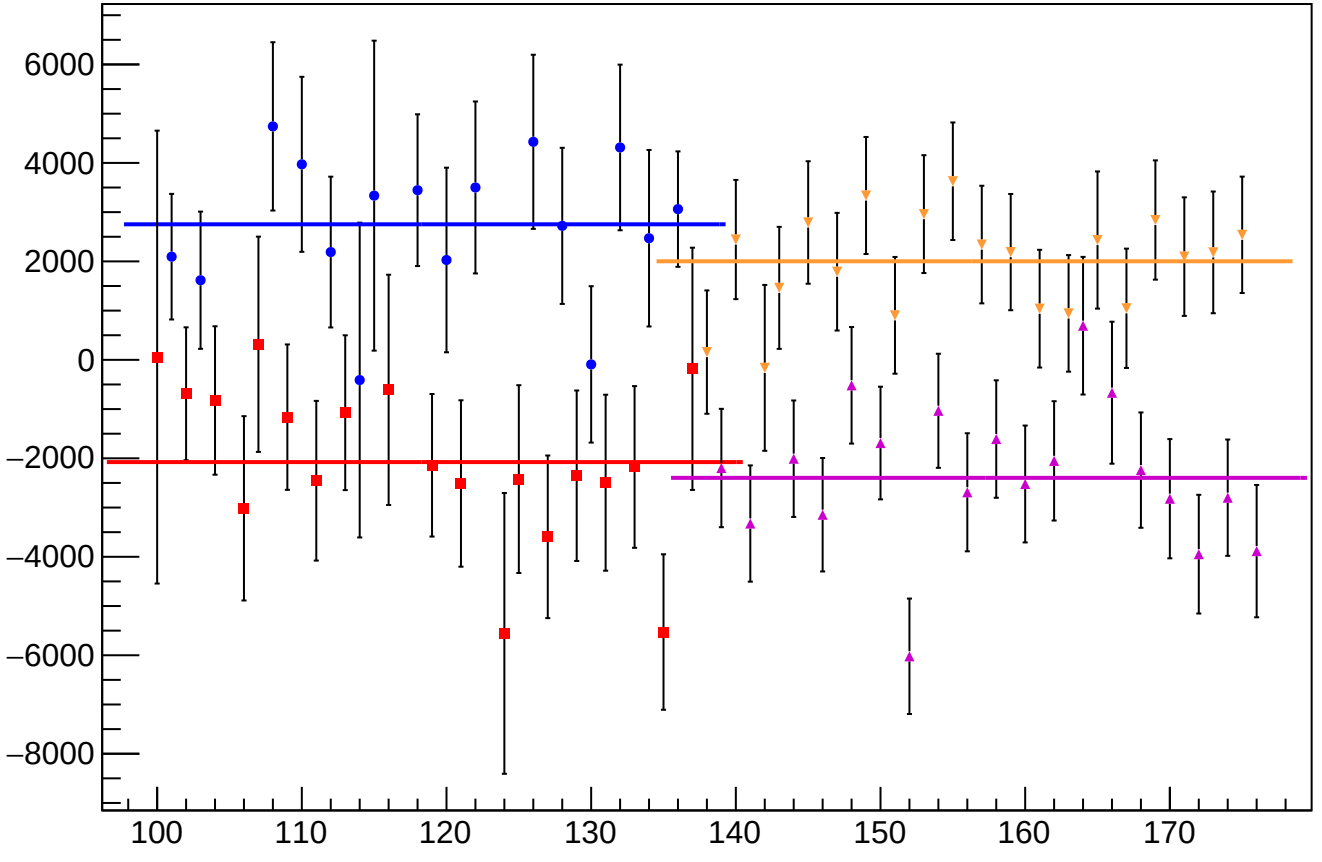
Left In: 40.054+/-0.008 χ^2/NDF:427135.9/18

\+ sign 37.763+/-0.006 χ^2/NDF: 1345118.2/34

All: 37.697+/-0.004 χ^2/NDF: 2955735.8/71

\- sign 37.632+/-0.006 χ^2/NDF: 1610371.3/36

reg_asym_usr_mean vs Slug



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

Left Out: 2002.180+/-274.635 χ^2/NDF:12.2/19

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

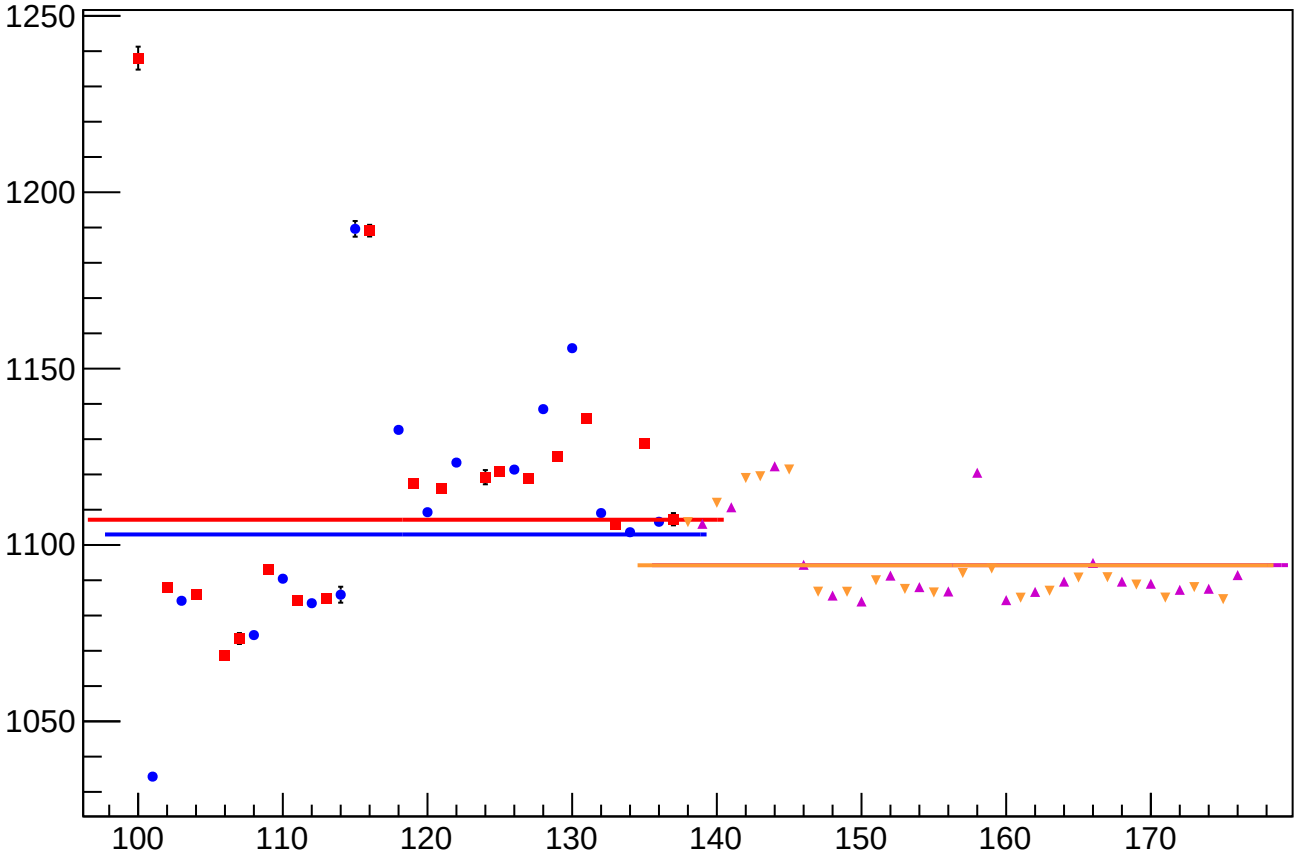
Left In: -2396.613+/-277.587 χ^2/NDF:25.1/18

+ sign 2234.889+/-228.147 χ^2/NDF: 24.0/35

All: -23.523+/-161.537 χ^2/NDF: 258.5/73

- sign -2293.873+/-228.749 χ^2/NDF: 38.0/37

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.247+/-0.194 χ^2/NDF:3730.3/19

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

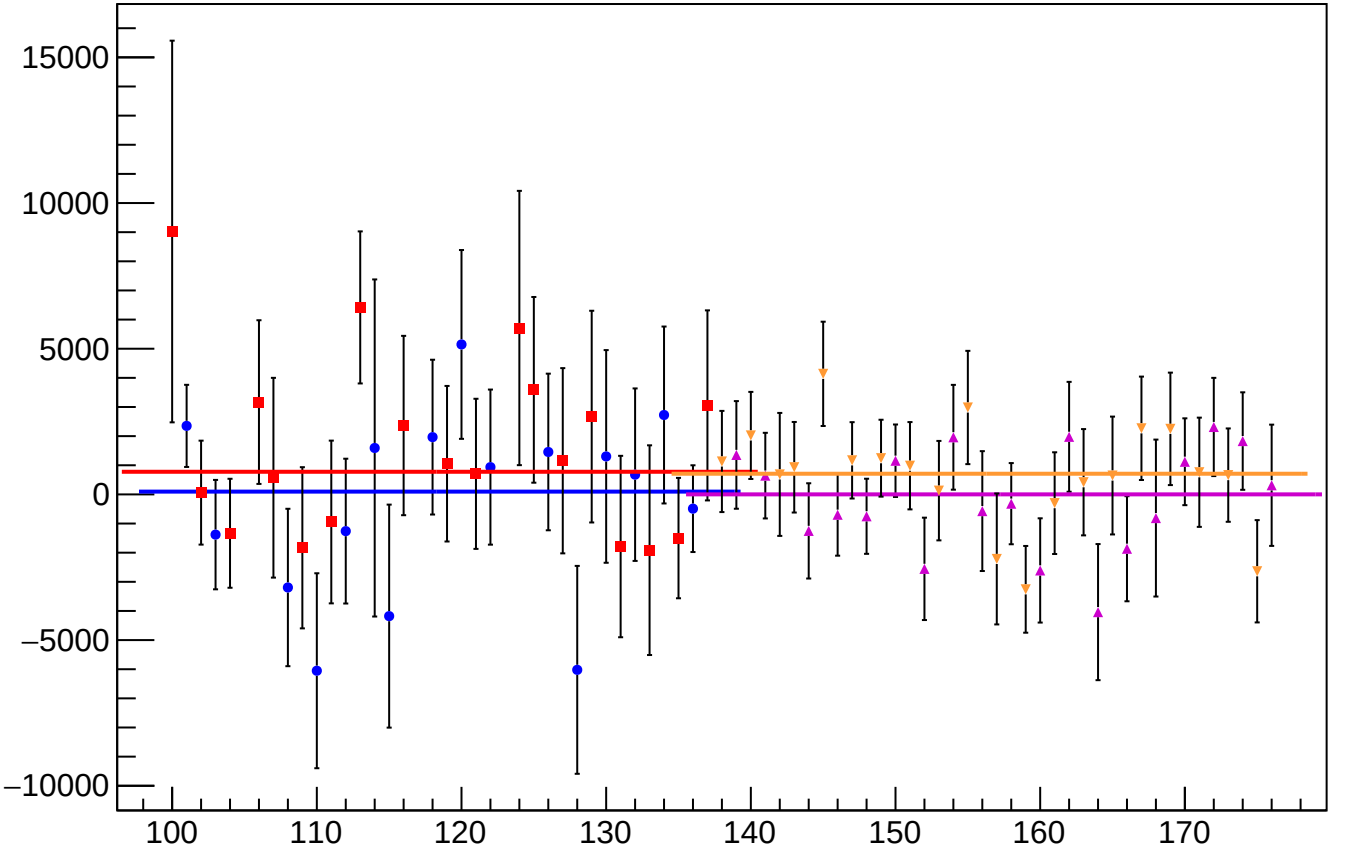
Left In: 1094.286+/-0.196 χ^2/NDF:3530.8/18

+ sign 1096.956+/-0.161 χ^2/NDF: 17581.9/35

All: 1097.685+/-0.114 χ^2/NDF: 31217.4/73

- sign 1098.417+/-0.162 χ^2/NDF: 13594.6/37

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 709.292+/-376.672 χ^2/NDF:20.5/19

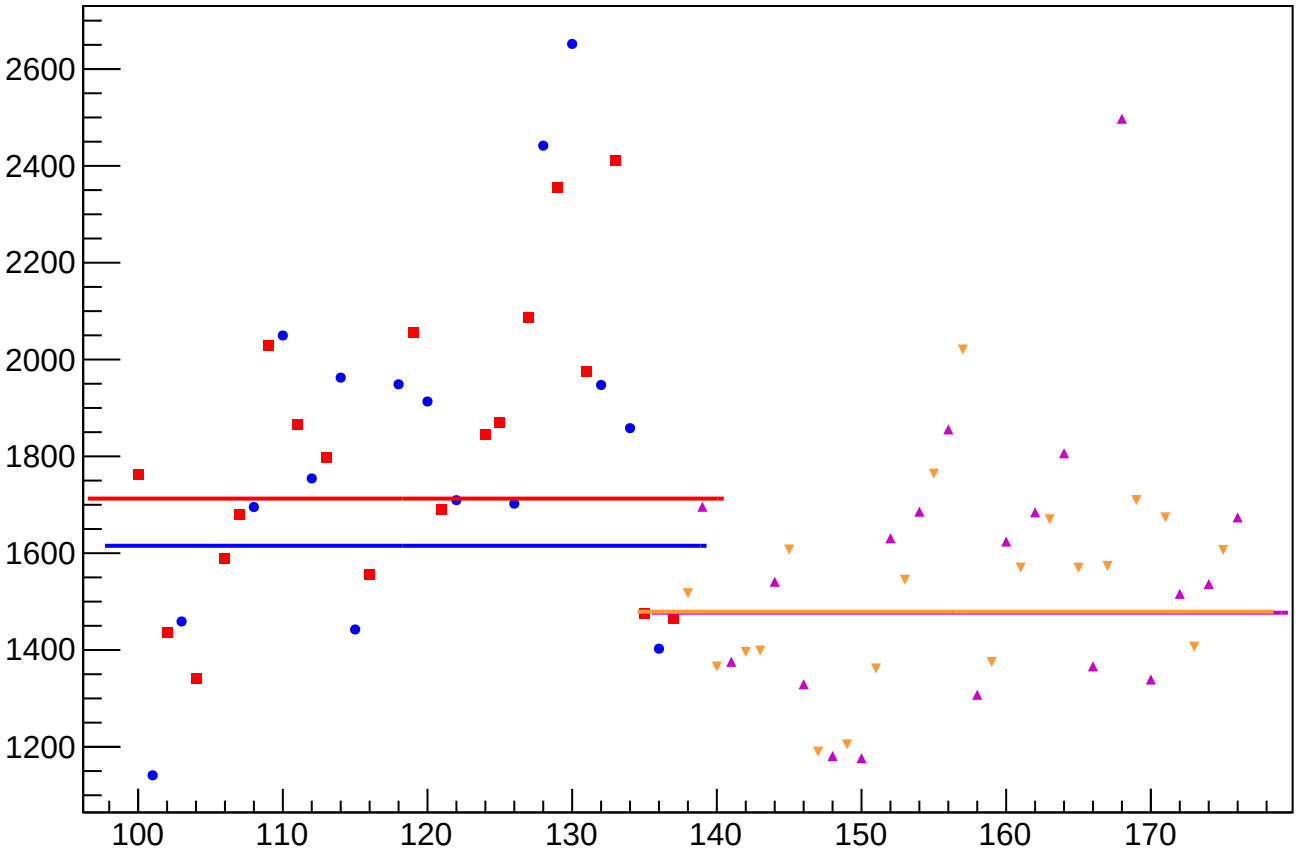
Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 1.455+/-381.181 χ^2/NDF:17.2/18

+ sign 543.196+/-321.651 χ^2/NDF: 38.2/35

All: 377.402+/-229.339 χ^2/NDF: 72.1/73

- sign 205.956+/-327.086 χ^2/NDF: 33.4/37



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

Left Out: 1479.183+/-0.266 χ^2/NDF:500676.1/19

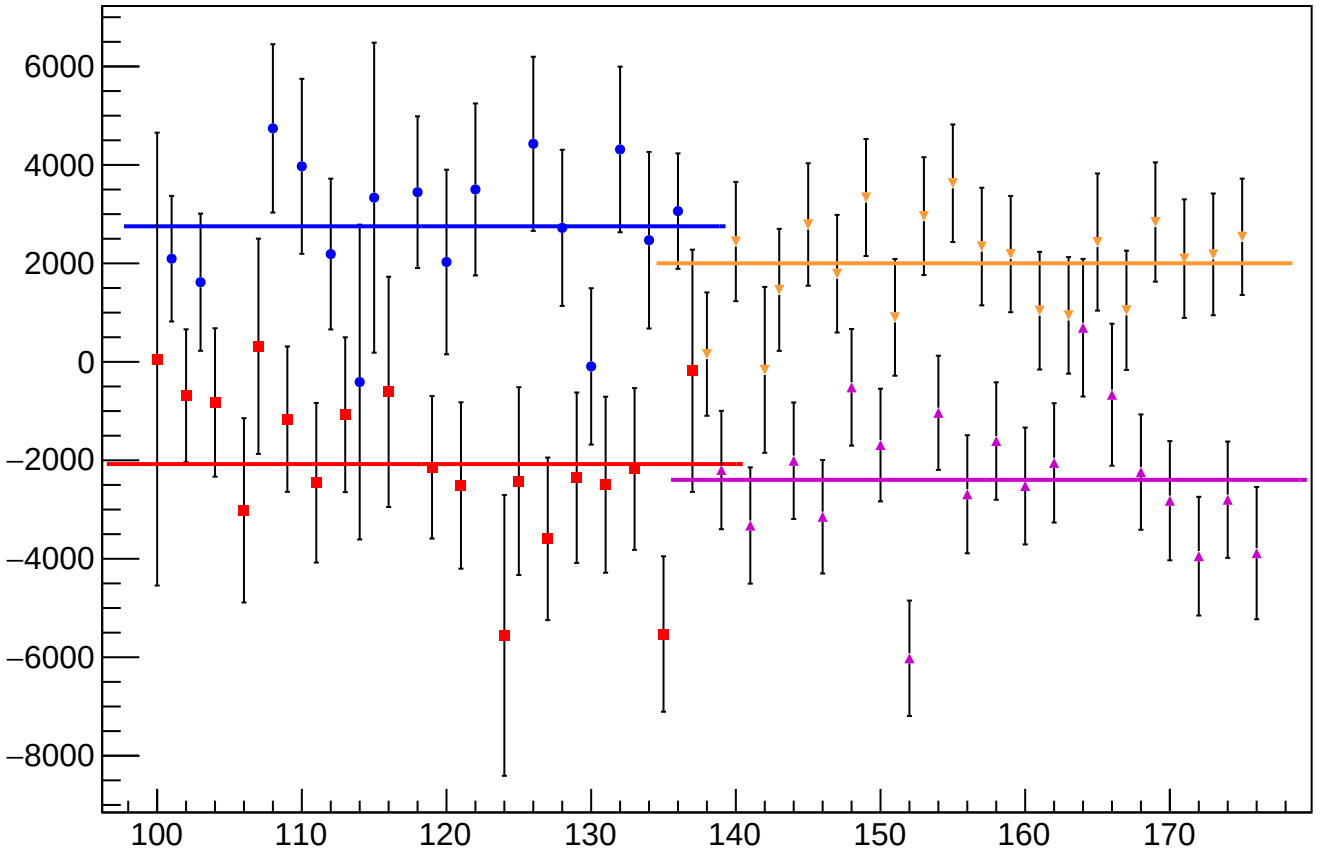
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1477.088+/-0.270 χ^2/NDF:835405.3/18

+ sign 1516.049+/-0.227 χ^2/NDF: 1265049.2/35

All: 1527.451+/-0.162 χ^2/NDF: 2735289.4/73

- sign 1539.242+/-0.231 χ^2/NDF: 1465127.8/37



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

Left Out: 2002.180+/-274.635 χ^2/NDF:12.2/19

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

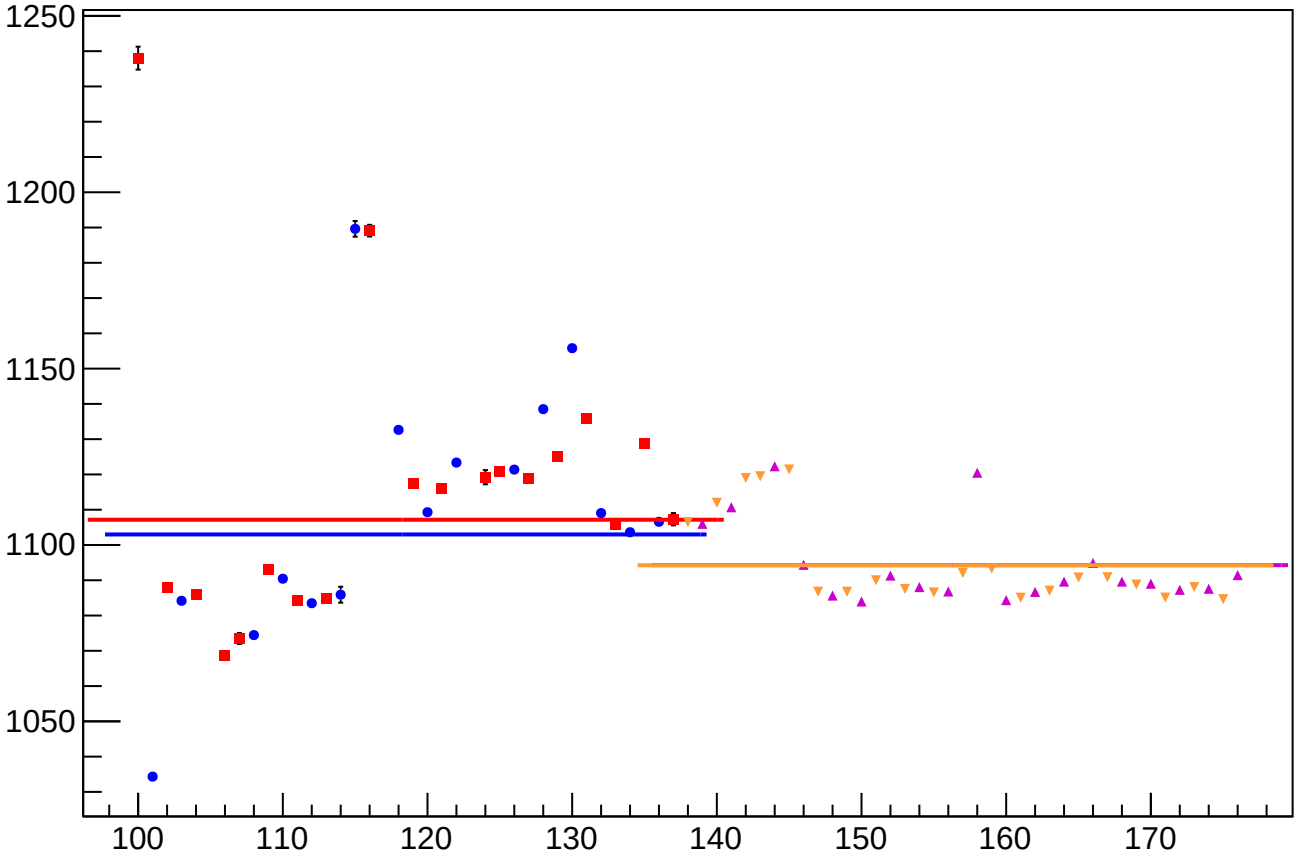
Left In: -2396.613+/-277.587 χ^2/NDF:25.1/18

+ sign 2234.889+/-228.147 χ^2/NDF: 24.0/35

All: -23.523+/-161.537 χ^2/NDF: 258.5/73

- sign -2293.873+/-228.749 χ^2/NDF: 38.0/37

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.247+/-0.194 χ^2/NDF:3730.3/19

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

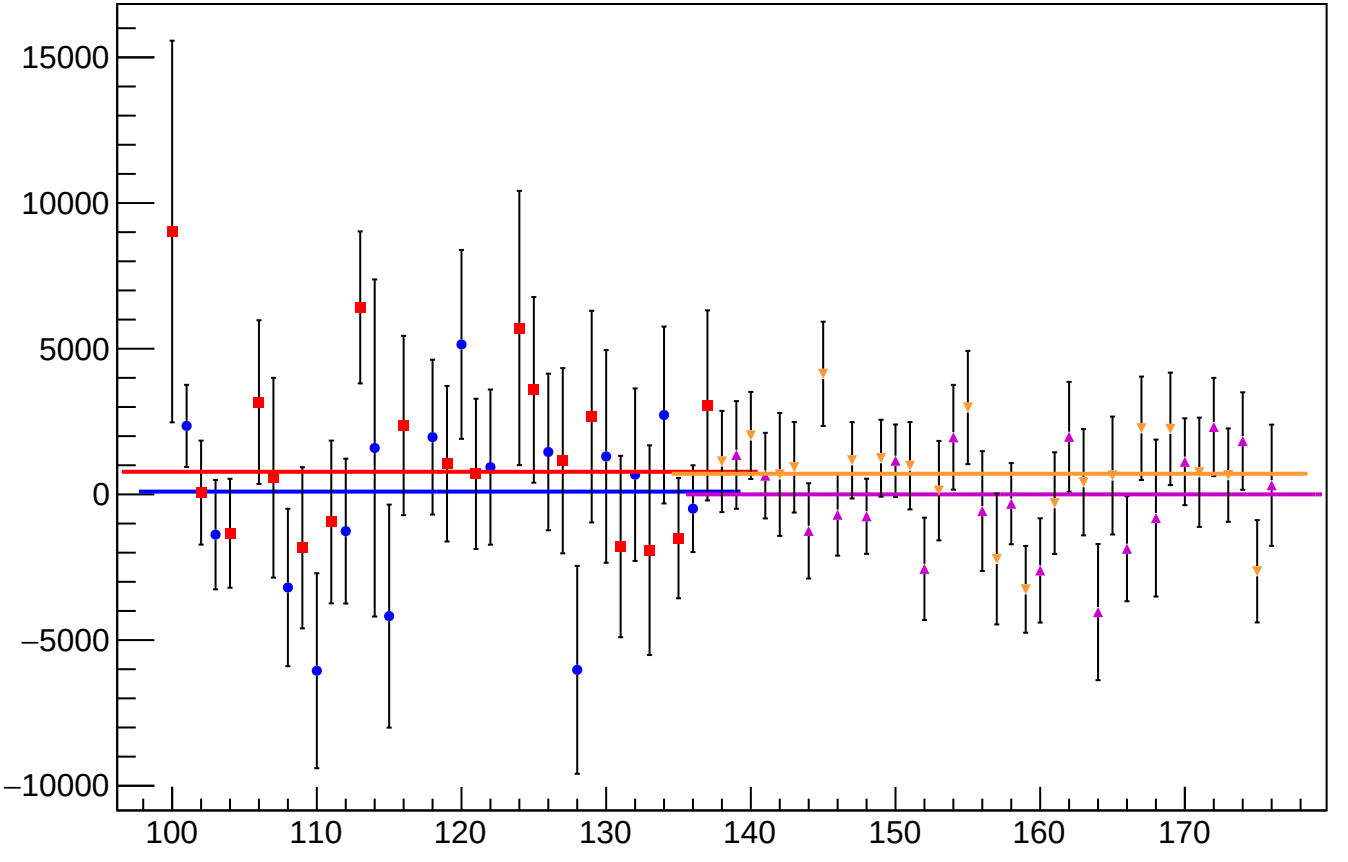
Left In: 1094.286+/-0.196 χ^2/NDF:3530.8/18

+ sign 1096.956+/-0.161 χ^2/NDF: 17581.9/35

All: 1097.685+/-0.114 χ^2/NDF: 31217.4/73

- sign 1098.417+/-0.162 χ^2/NDF: 13594.6/37

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 709.292+/-376.672 χ^2/NDF:20.5/19

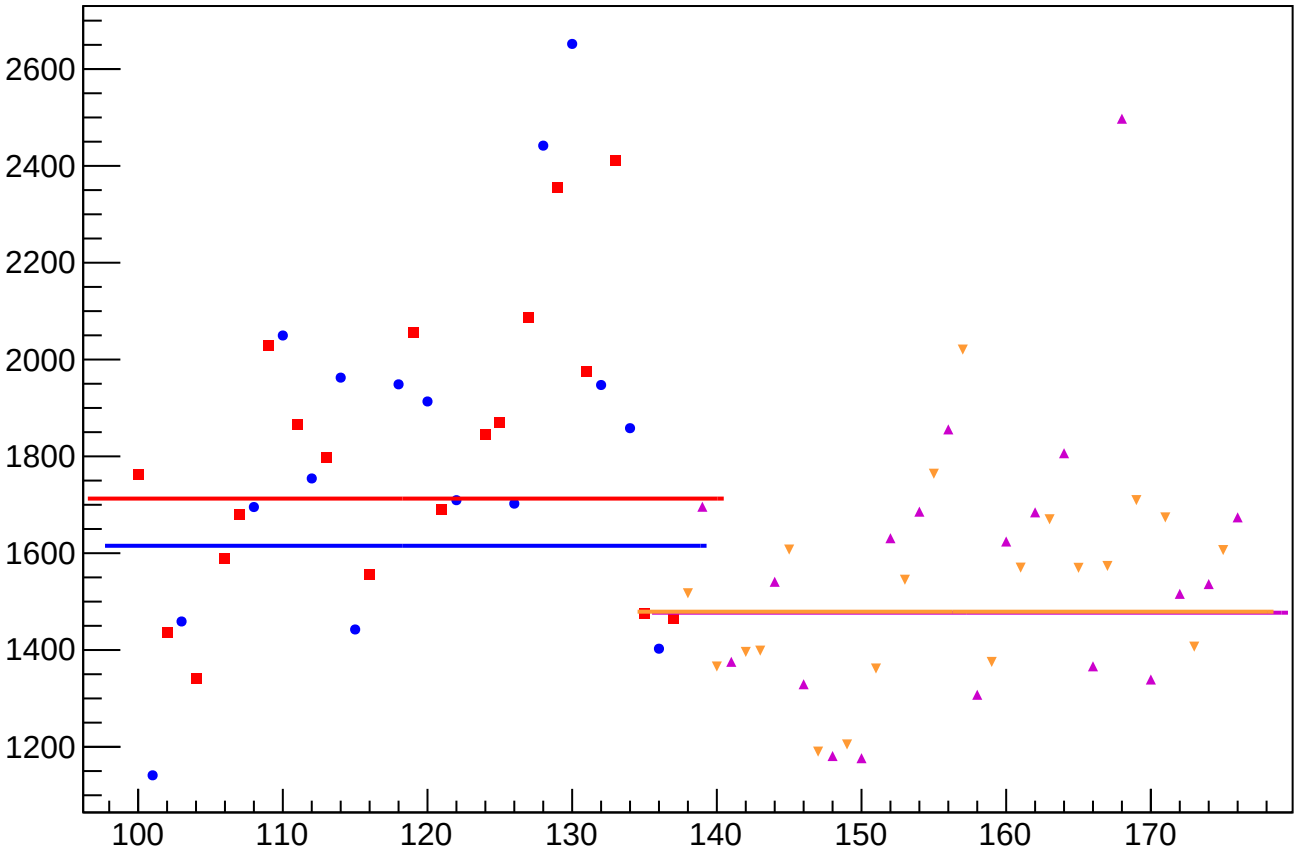
Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 1.455+/-381.181 χ^2/NDF:17.2/18

+ sign 543.196+/-321.651 χ^2/NDF: 38.2/35

All: 377.402+/-229.339 χ^2/NDF: 72.1/73

- sign 205.956+/-327.086 χ^2/NDF: 33.4/37



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

Left Out: 1479.183+/-0.266 χ^2/NDF:500676.1/19

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

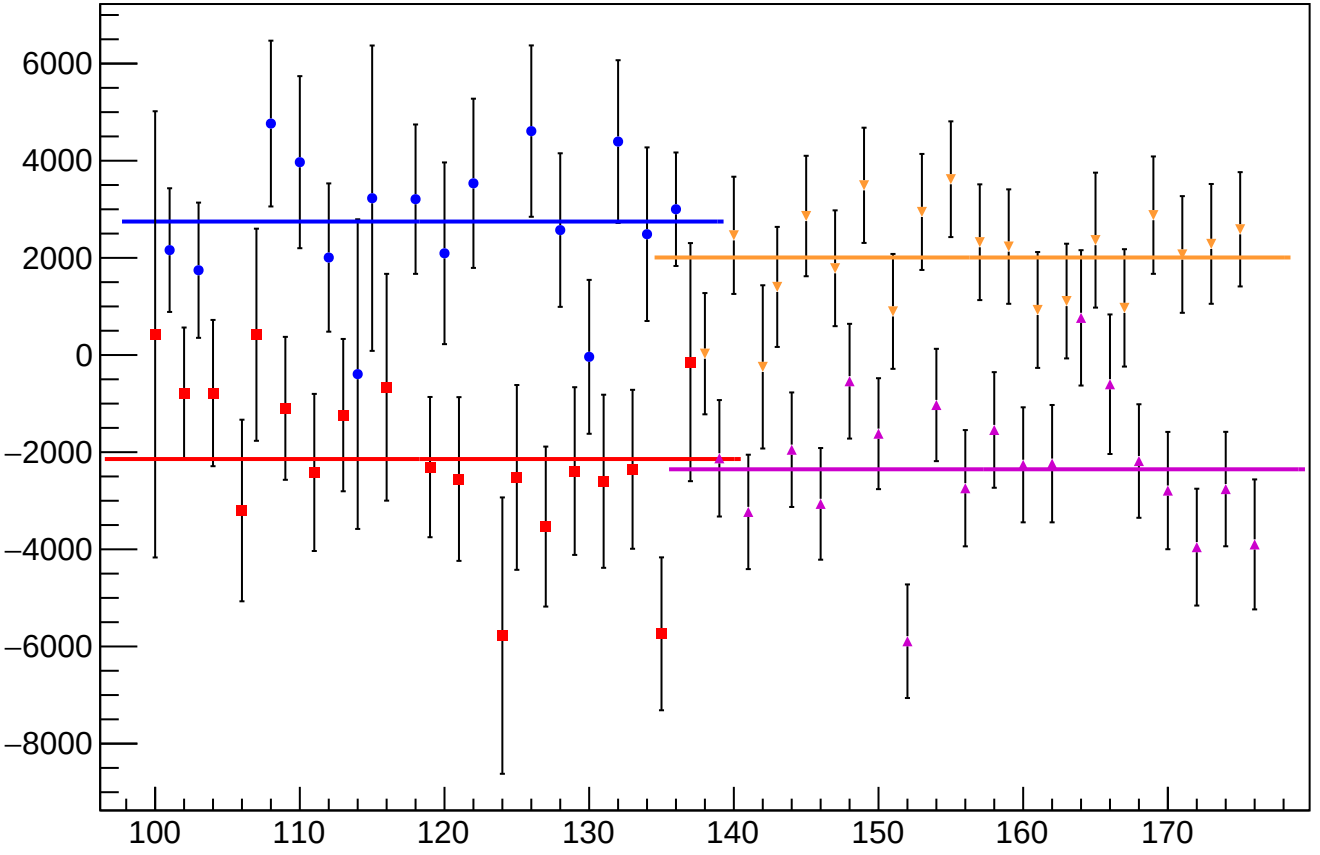
Left In: 1477.088+/-0.270 χ^2/NDF:835405.3/18

+ sign 1516.049+/-0.227 χ^2/NDF: 1265049.2/35

All: 1527.451+/-0.162 χ^2/NDF: 2735289.4/73

- sign 1539.242+/-0.231 χ^2/NDF: 1465127.8/37

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2008.041+/-273.901 χ^2/NDF:13.2/19

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

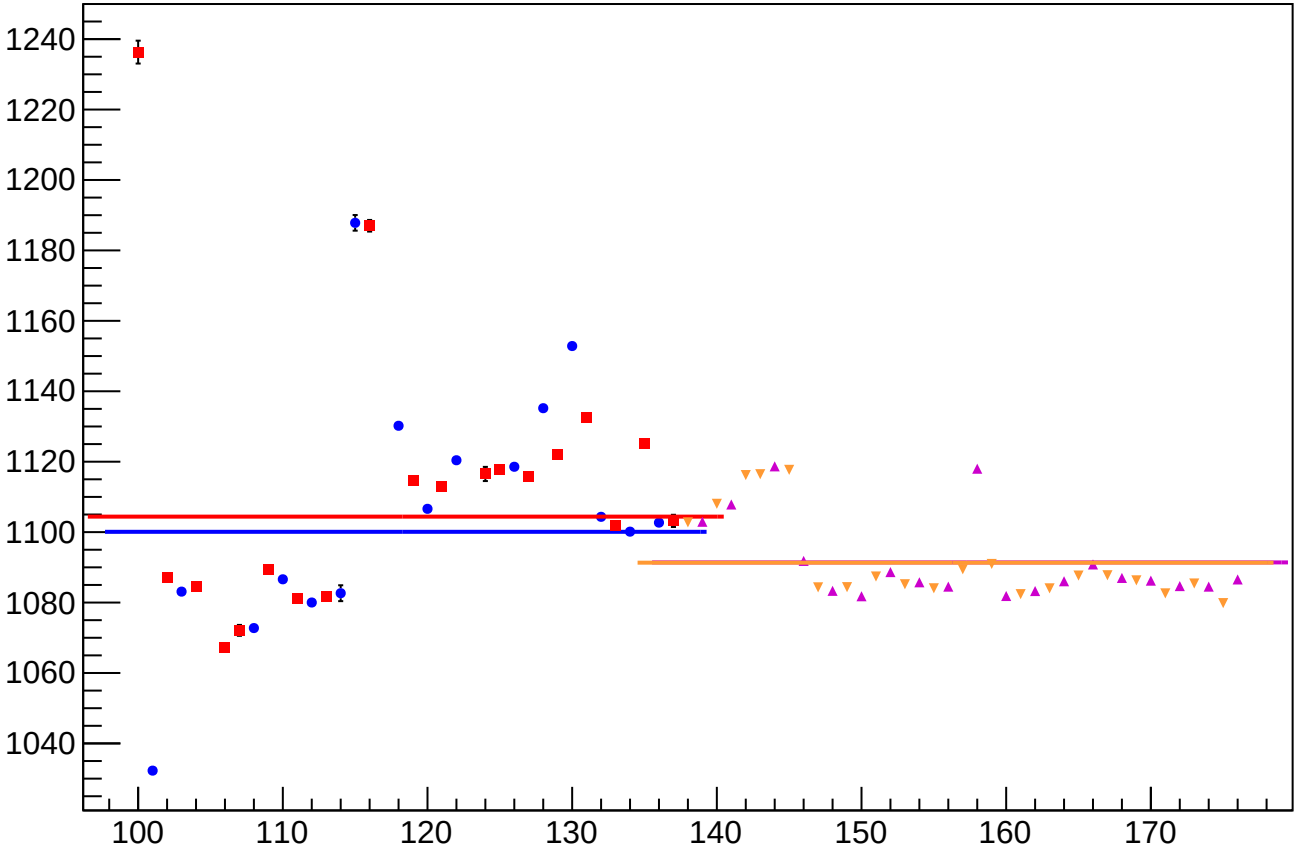
Left In: -2352.397+/-276.855 χ^2/NDF:24.8/18

+ sign 2237.314+/-227.540 χ^2/NDF: 25.0/35

All: -17.542+/-161.113 χ^2/NDF: 260.5/73

- sign -2284.623+/-228.156 χ^2/NDF: 38.5/37

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1091.327+/-0.194 χ^2/NDF:3609.5/19

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

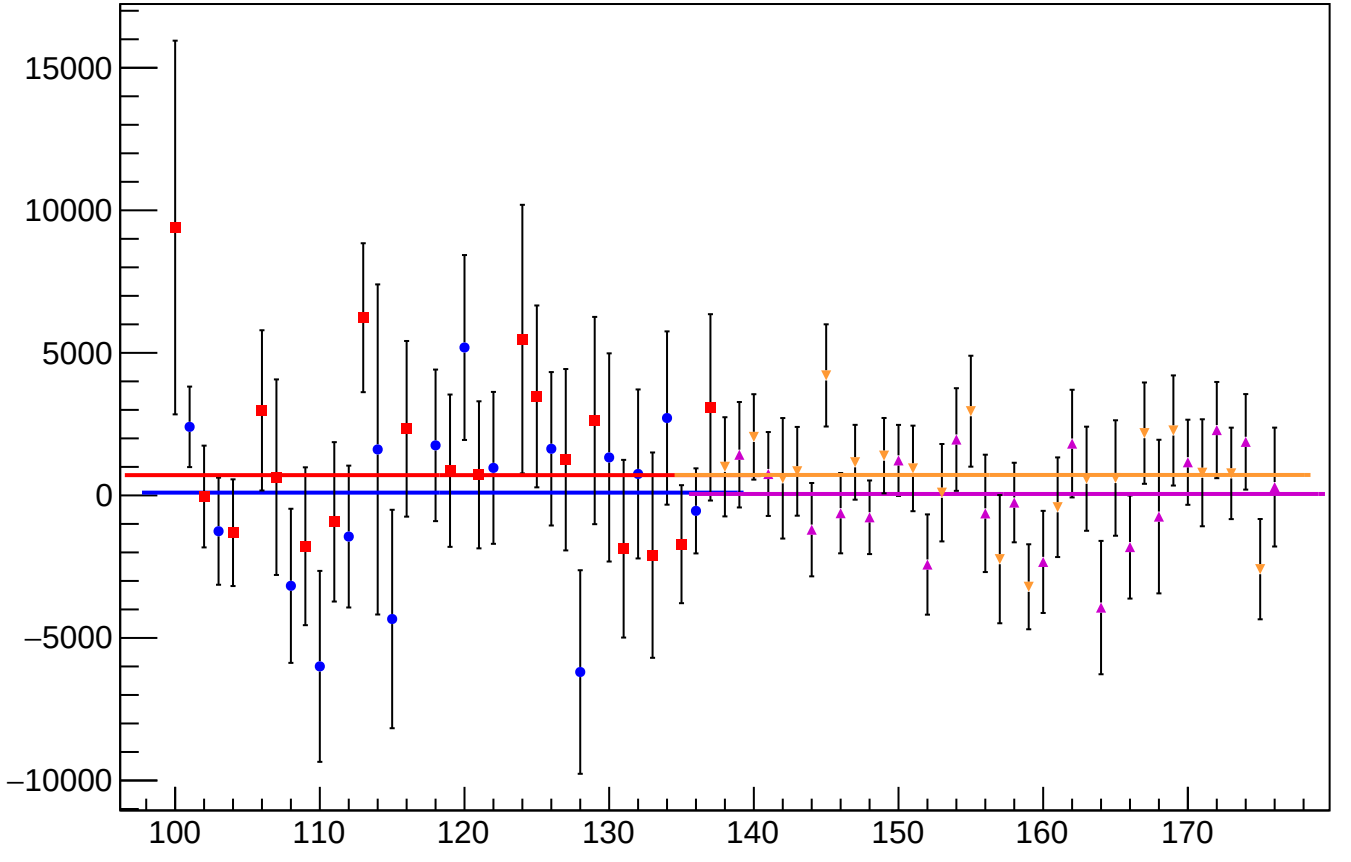
Left In: 1091.400+/-0.196 χ^2/NDF:3478.2/18

+ sign 1094.042+/-0.161 χ^2/NDF: 17321.1/35

All: 1094.805+/-0.114 χ^2/NDF: 30803.4/73

- sign 1095.572+/-0.161 χ^2/NDF: 13437.2/37

asym_usr_overload_cor_correction_mean vs Slug



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

Left Out: 717.358+/-377.246 χ^2/NDF:20.4/19

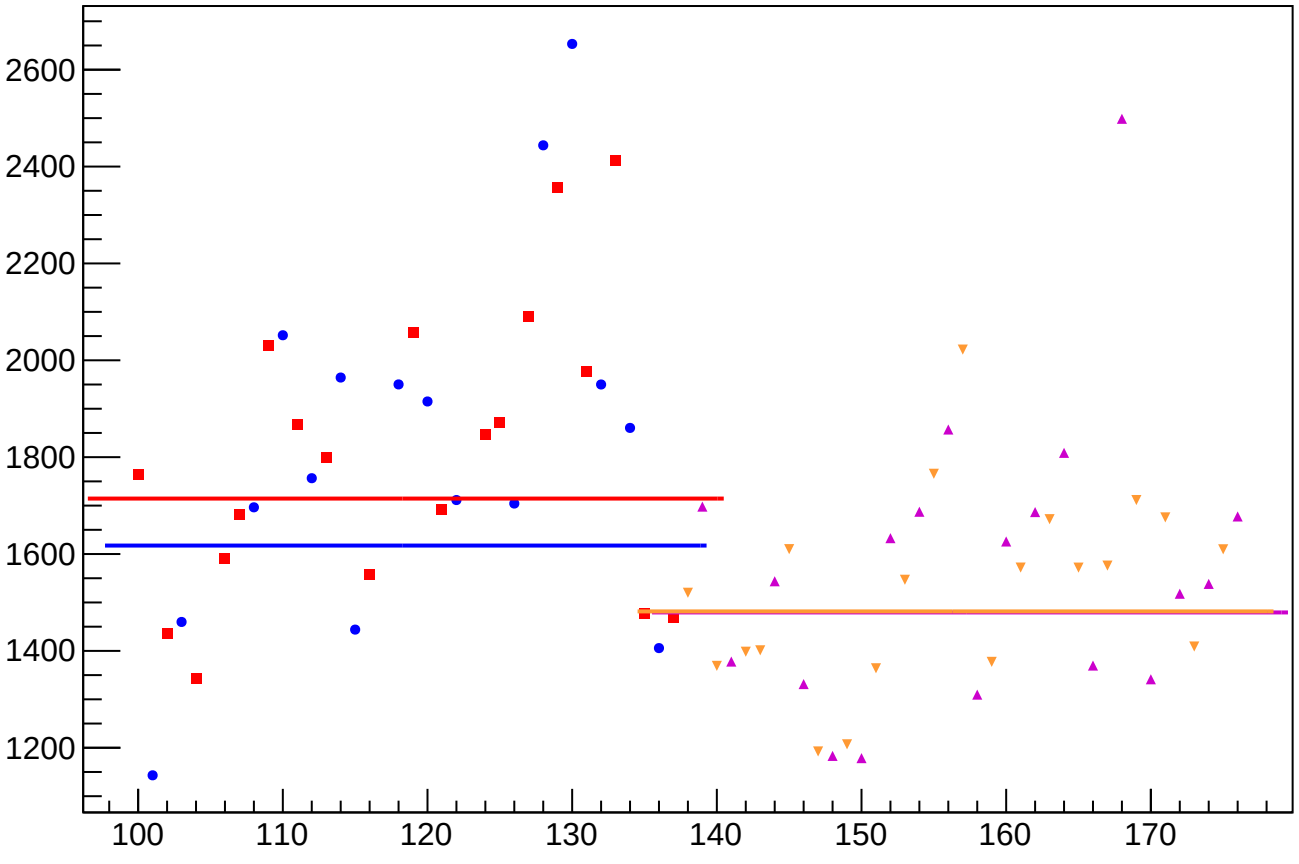
Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 50.498+/-381.753 χ^2/NDF:16.4/18

+ sign 549.415+/-322.119 χ^2/NDF: 38.4/35

All: 389.849+/-229.662 χ^2/NDF: 71.0/73

- sign 224.875+/-327.532 χ^2/NDF: 32.1/37



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

Left Out: 1481.530+/-0.267 χ^2/NDF:498647.5/19

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

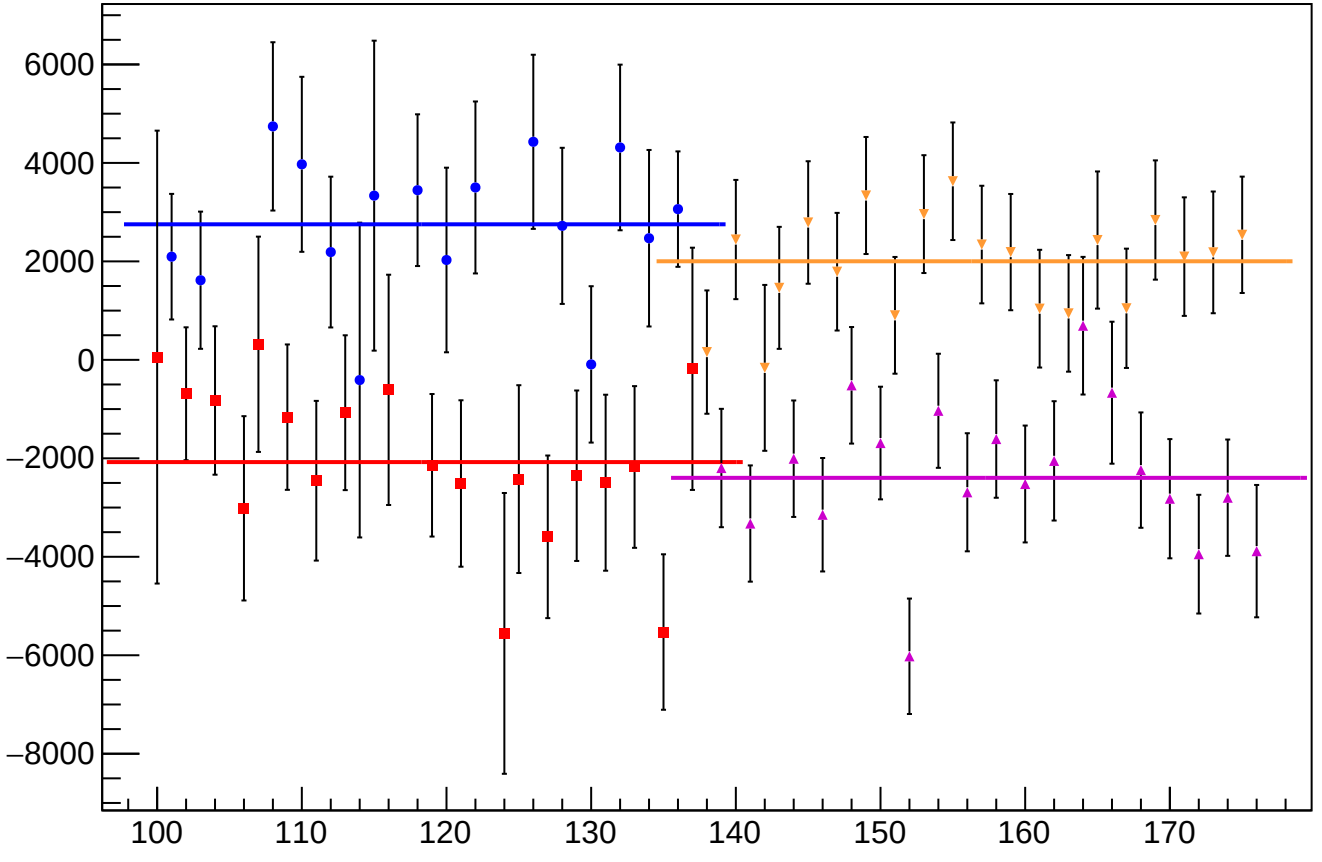
Left In: 1479.398+/-0.270 χ^2/NDF:832616.5/18

+ sign 1518.363+/-0.228 χ^2/NDF: 1260750.5/35

All: 1529.710+/-0.162 χ^2/NDF: 2726309.8/73

- sign 1541.442+/-0.232 χ^2/NDF: 1460511.5/37

eigen_cor_asym_usr_mean vs Slug



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

Left Out: 2002.180+/-274.635 χ^2/NDF:12.2/19

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

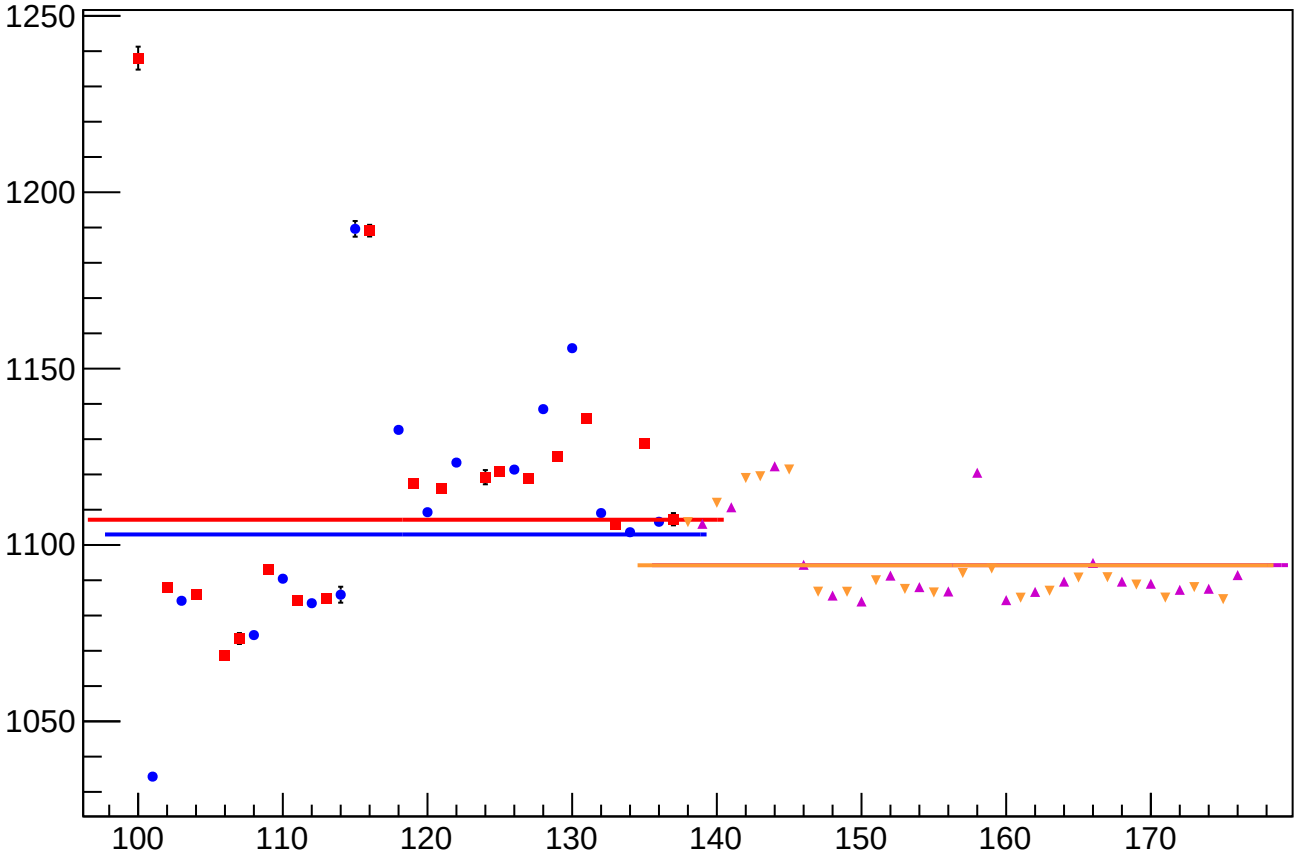
Left In: -2396.613+/-277.587 χ^2/NDF:25.1/18

+ sign 2234.889+/-228.147 χ^2/NDF: 24.0/35

All: -23.523+/-161.537 χ^2/NDF: 258.5/73

- sign -2293.873+/-228.749 χ^2/NDF: 38.0/37

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.247+/-0.194 χ^2/NDF:3730.3/19

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

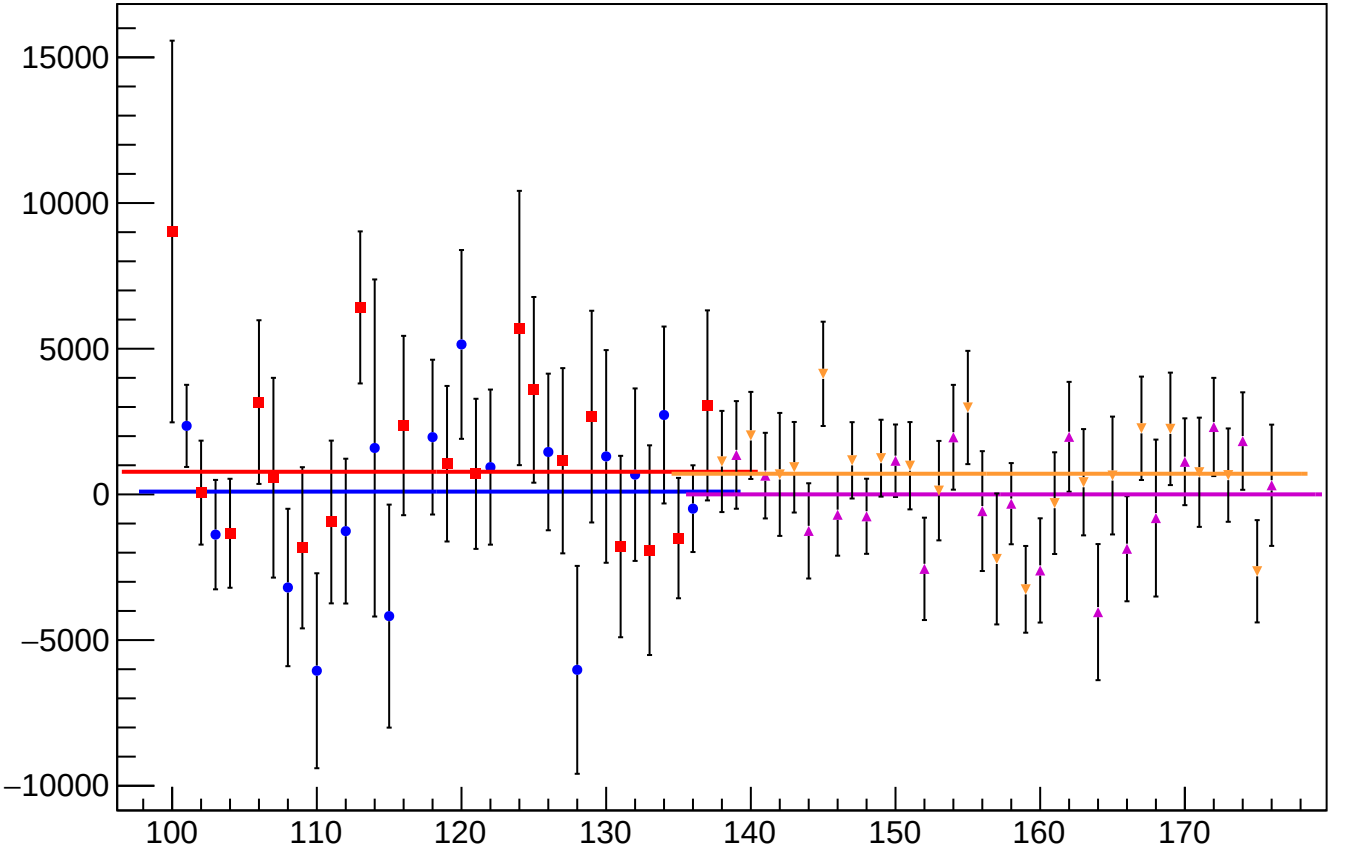
Left In: 1094.286+/-0.196 χ^2/NDF:3530.8/18

+ sign 1096.956+/-0.161 χ^2/NDF: 17581.9/35

All: 1097.685+/-0.114 χ^2/NDF: 31217.4/73

- sign 1098.417+/-0.162 χ^2/NDF: 13594.6/37

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 709.292+/-376.672 χ^2/NDF:20.5/19

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

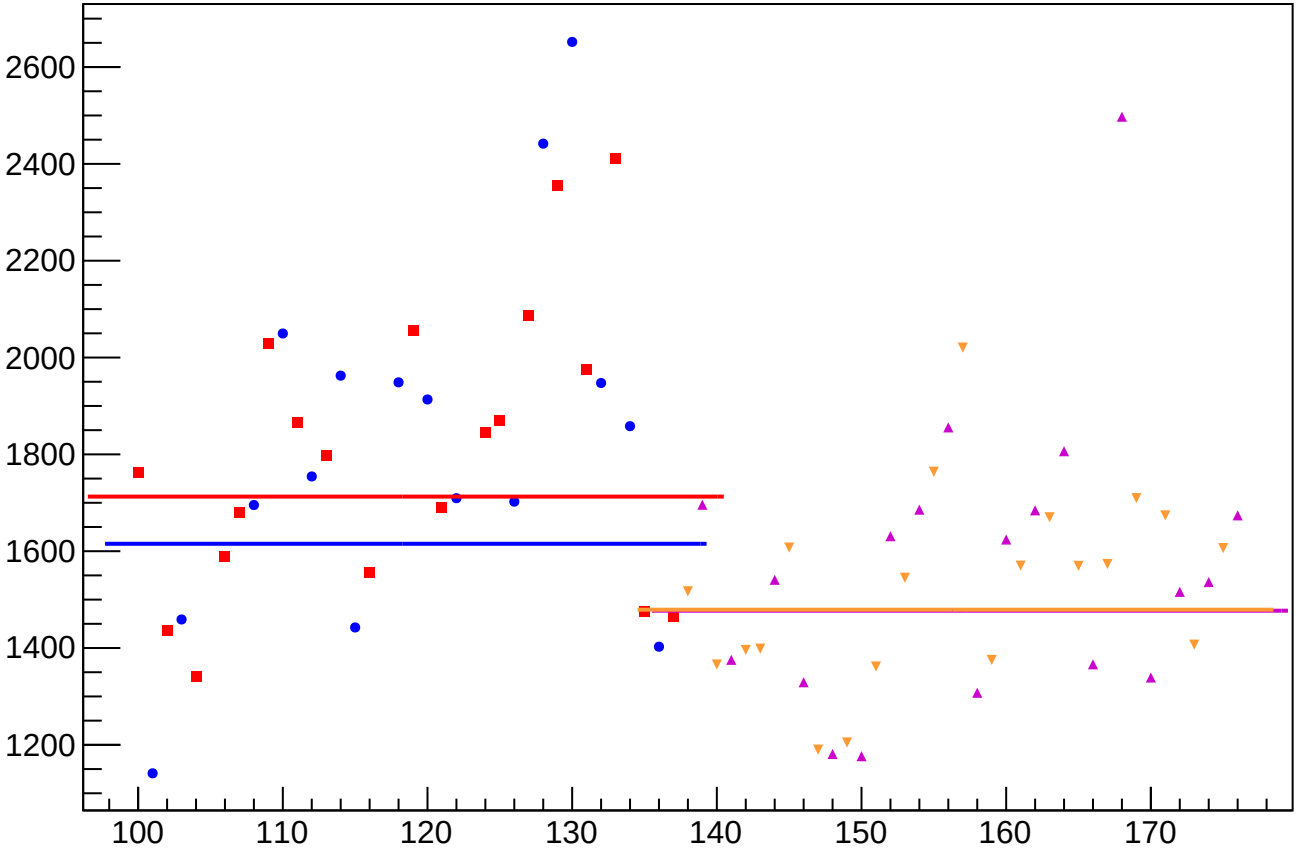
Left In: 1.455+/-381.181 χ^2/NDF:17.2/18

+ sign 543.196+/-321.651 χ^2/NDF: 38.2/35

All: 377.402+/-229.339 χ^2/NDF: 72.1/73

- sign 205.956+/-327.086 χ^2/NDF: 33.4/37

asym_usr_eigen_cor_correction_rms vs Slug



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

Left Out: 1479.183+/-0.266 χ^2/NDF:500676.1/19

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

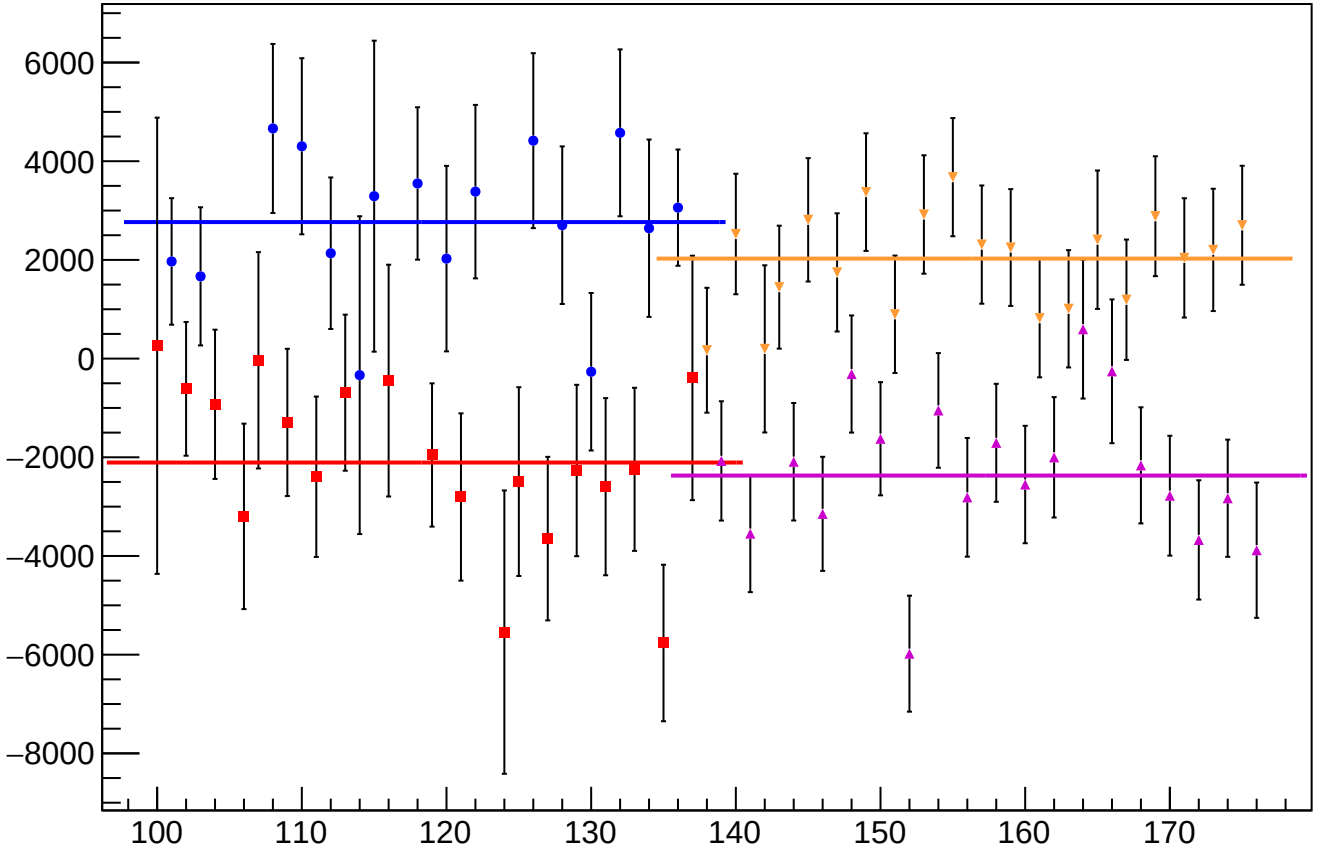
Left In: 1477.088+/-0.270 χ^2/NDF:835405.3/18

+ sign 1516.049+/-0.227 χ^2/NDF: 1265049.2/35

All: 1527.451+/-0.162 χ^2/NDF: 2735289.4/73

- sign 1539.242+/-0.231 χ^2/NDF: 1465127.8/37

dit_asym_usr_mean vs Slug



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

Left Out: 2026.502+/-276.060 χ^2/NDF:12.0/19

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

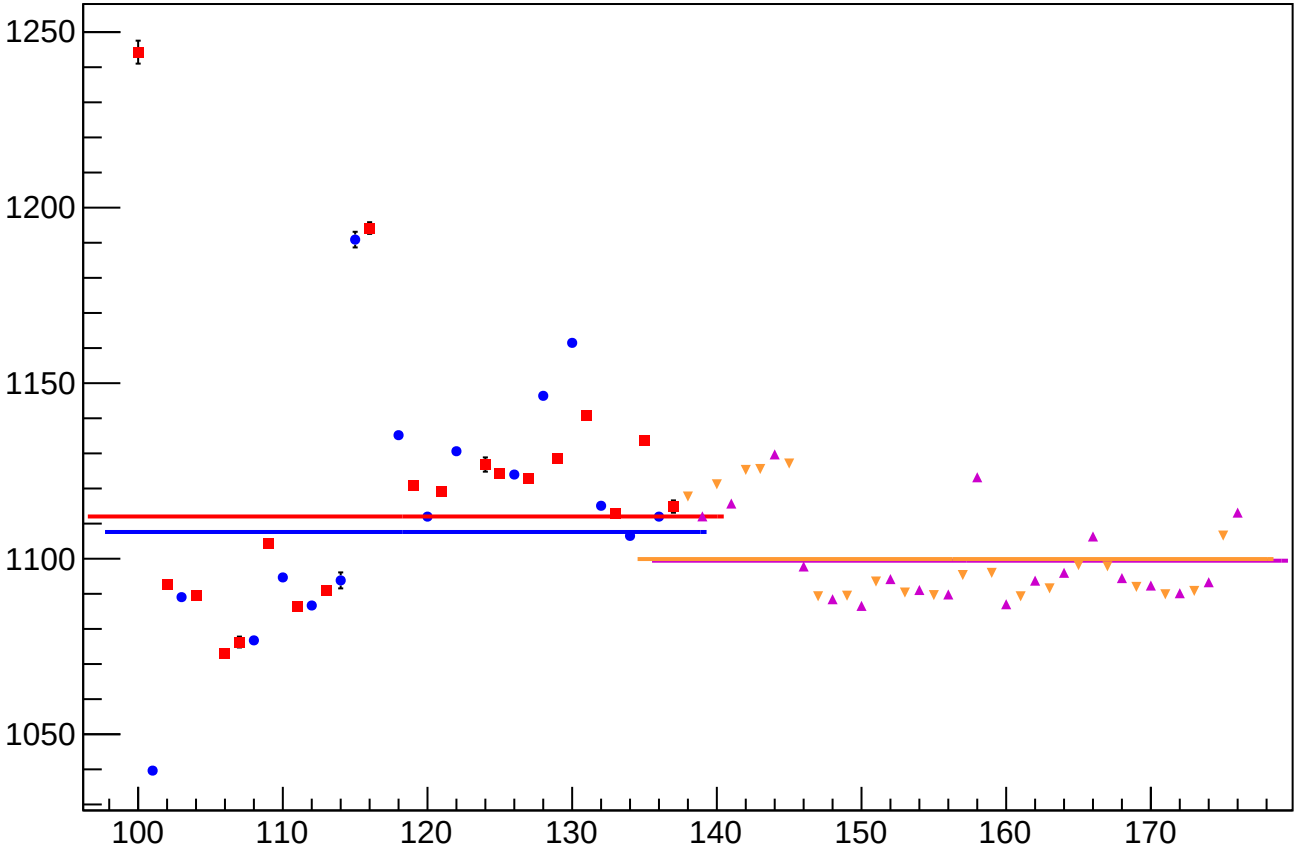
Left In: -2370.231+/-278.899 χ^2/NDF:25.5/18

+ sign 2256.177+/-229.262 χ^2/NDF: 24.6/35

All: -9.253+/-162.306 χ^2/NDF: 259.4/73

- sign -2285.515+/-229.809 χ^2/NDF: 39.1/37

dit_asym_usr_rms vs Slug



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

Left Out: 1099.902+/-0.195 χ^2/NDF:4596.9/19

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

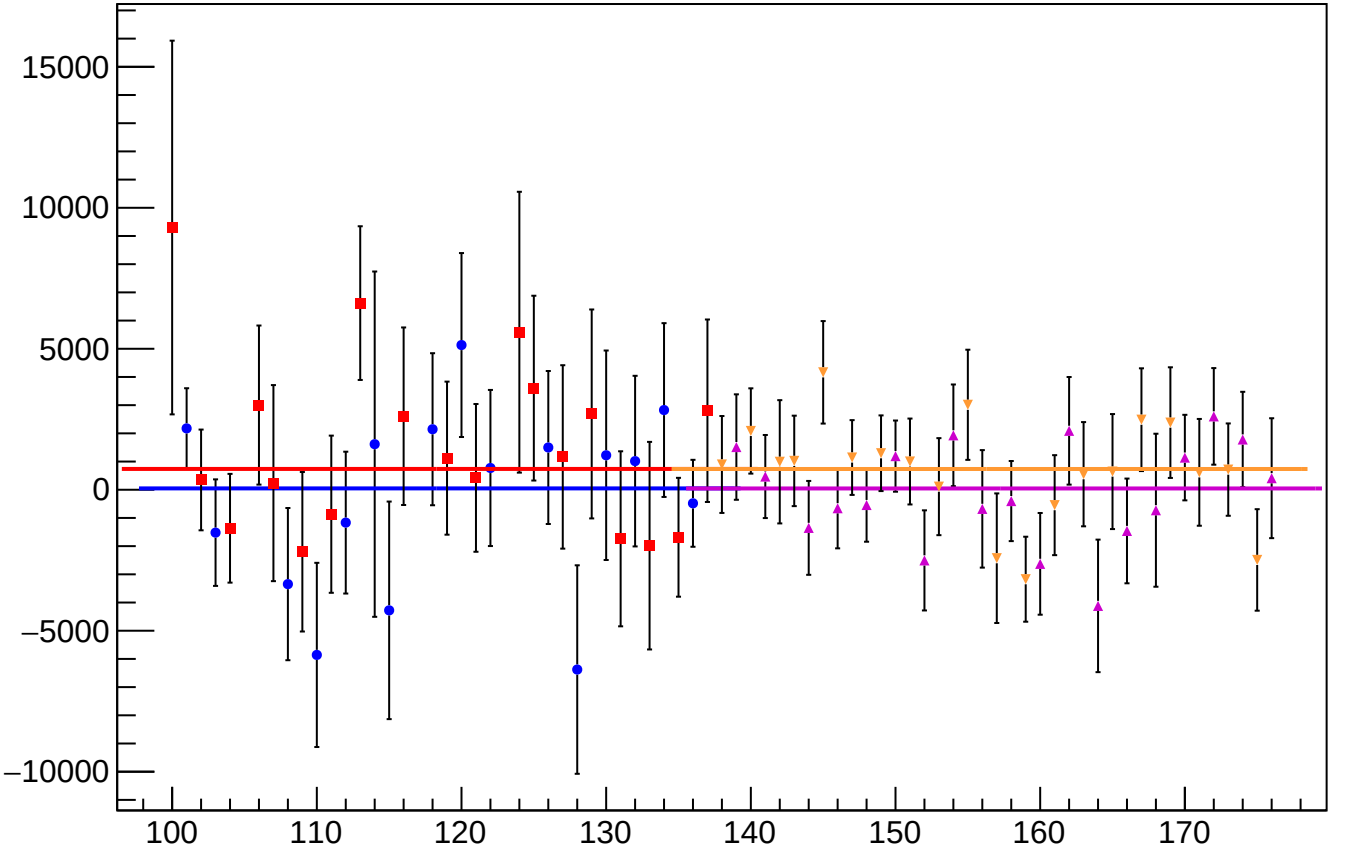
Left In: 1099.433+/-0.197 χ^2/NDF:4168.0/18

+ sign 1102.295+/-0.162 χ^2/NDF: 18302.0/35

All: 1102.885+/-0.115 χ^2/NDF: 32459.6/73

- sign 1103.477+/-0.162 χ^2/NDF: 14131.1/37

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 736.232+/-382.551 χ^2/NDF:20.2/19

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

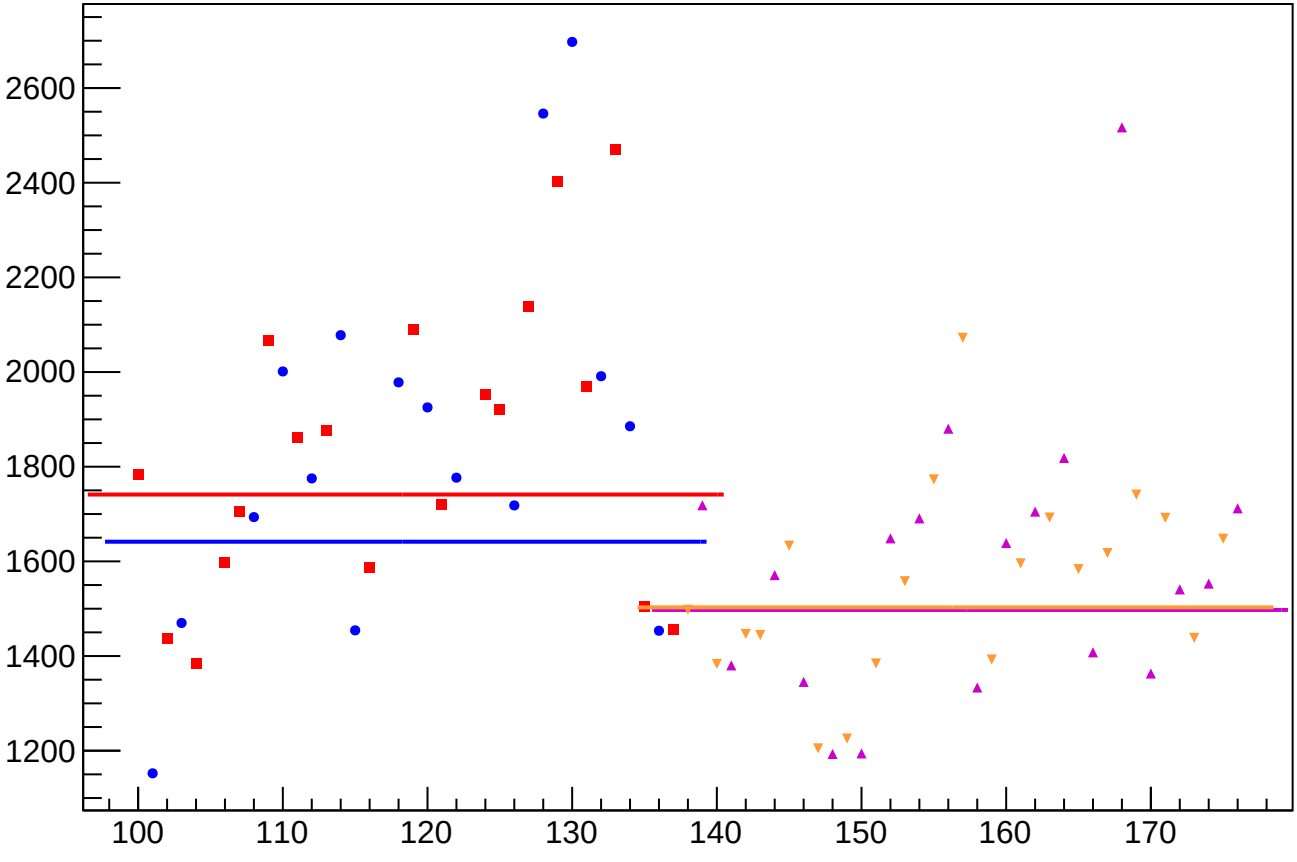
Left In: 45.586+/-386.205 χ^2/NDF:17.1/18

+ sign 549.943+/-326.716 χ^2/NDF: 37.9/35

All: 391.030+/-232.774 χ^2/NDF: 71.3/73

- sign 227.206+/-331.726 χ^2/NDF: 32.9/37

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1502.790+/-0.271 χ^2/NDF:502184.6/19

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

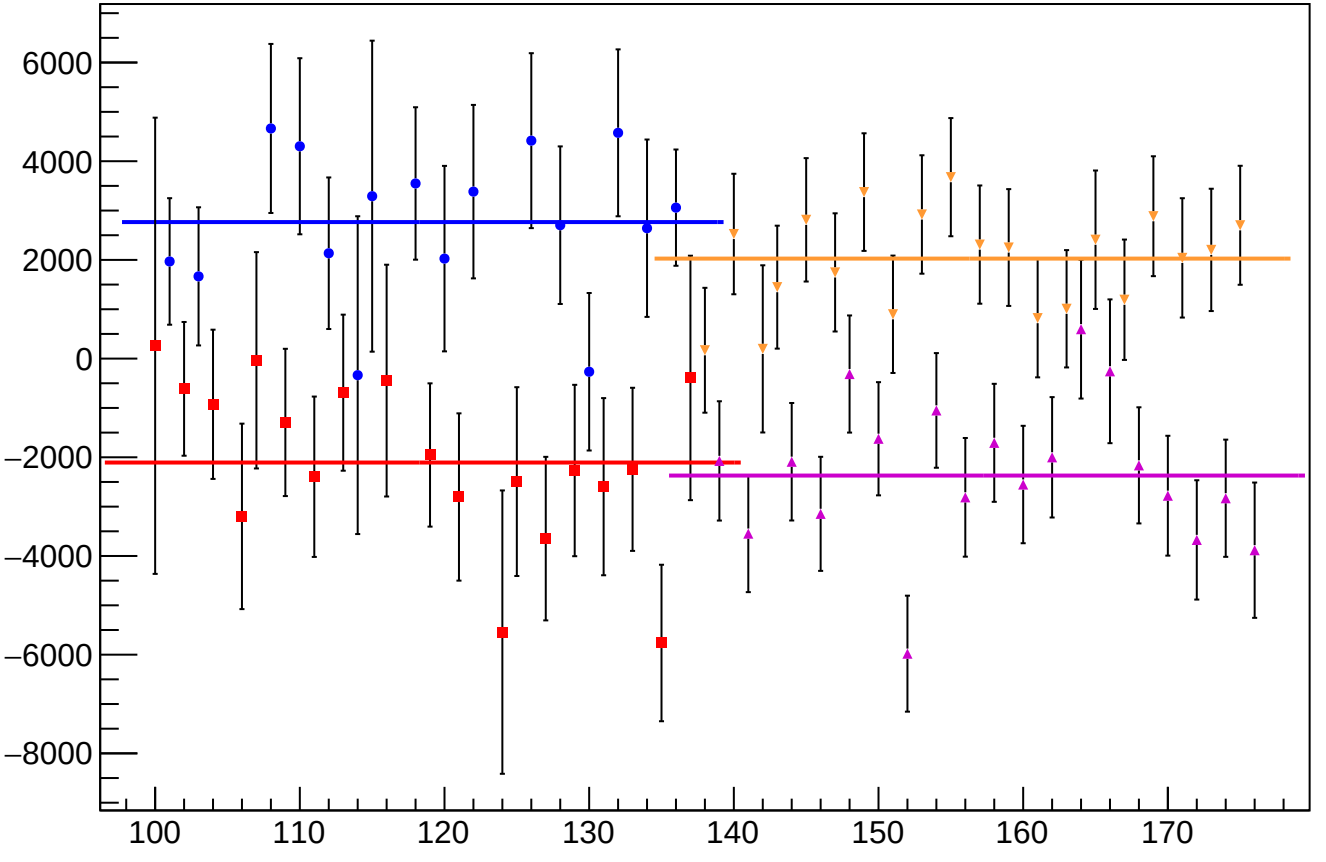
Left In: 1497.411+/-0.273 χ^2/NDF:823518.1/18

+ sign 1540.336+/-0.231 χ^2/NDF: 1274690.2/35

All: 1550.678+/-0.165 χ^2/NDF: 2749594.1/73

- sign 1561.340+/-0.235 χ^2/NDF: 1470833.7/37

eigen_dit_asym_usr_mean vs Slug



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

Left Out: 2026.500+/-276.060 χ^2/NDF:12.0/19

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

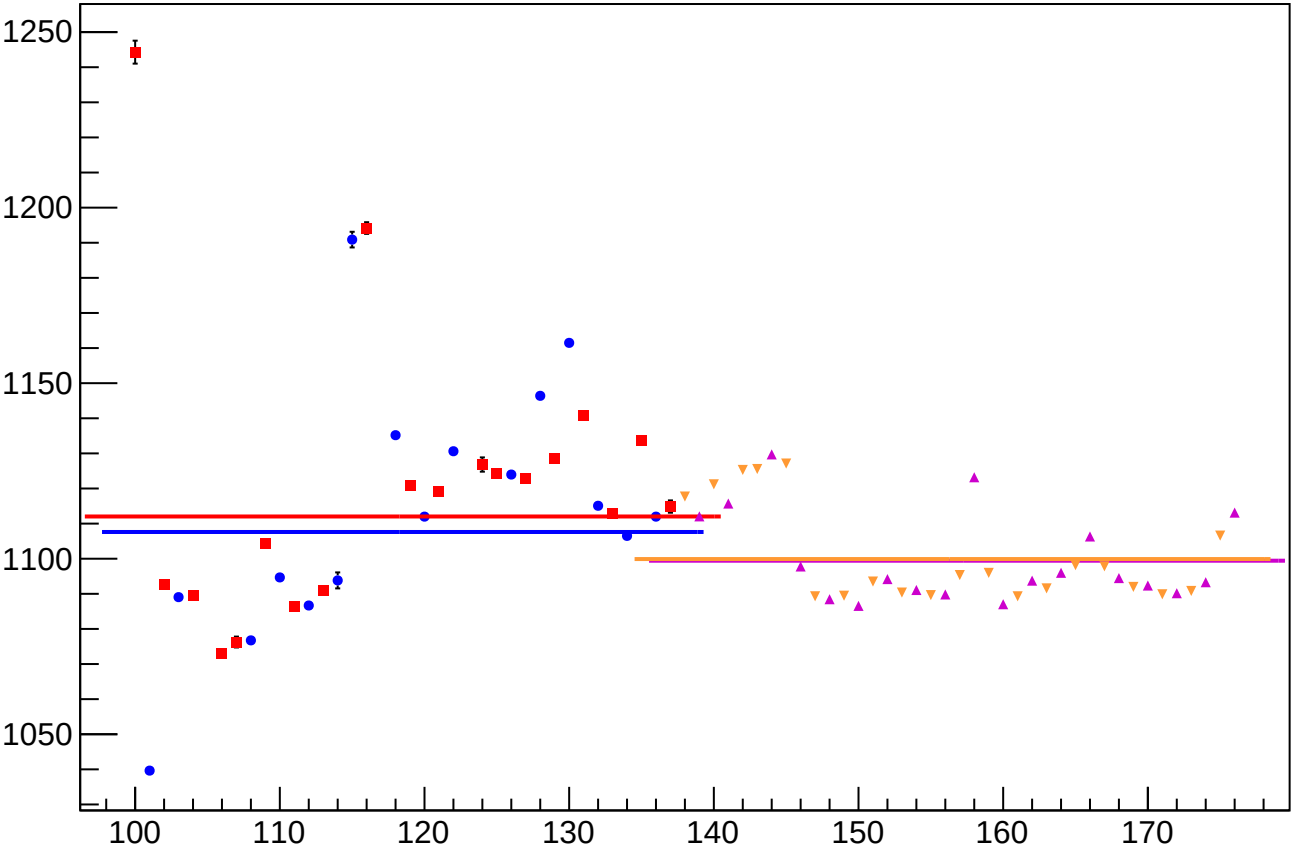
Left In: -2370.231+/-278.899 χ^2/NDF:25.5/18

+ sign 2256.175+/-229.262 χ^2/NDF: 24.6/35

All: -9.255+/-162.306 χ^2/NDF: 259.4/73

- sign -2285.516+/-229.809 χ^2/NDF: 39.1/37

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1099.902+/-0.195 χ^2/NDF:4596.8/19

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

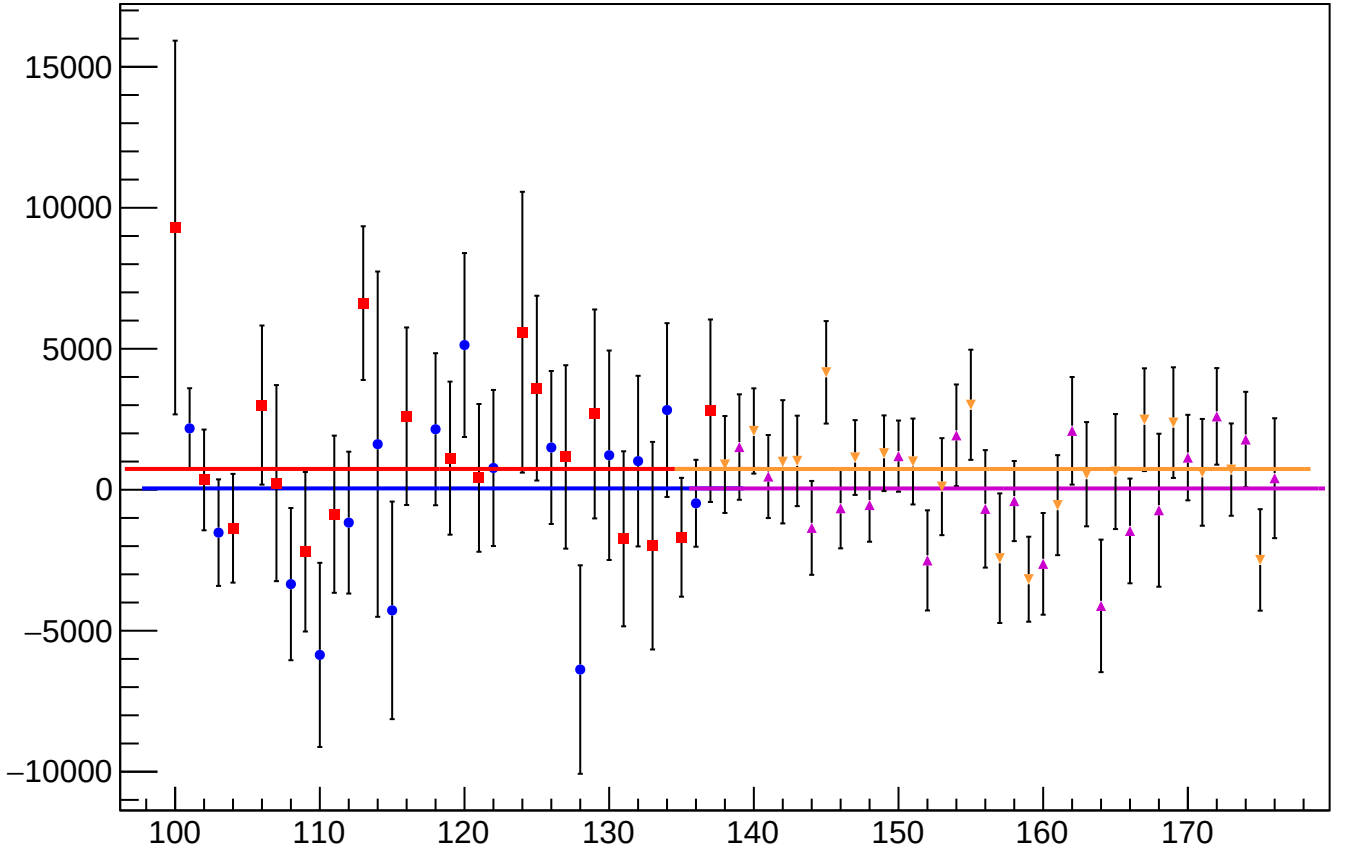
Left In: 1099.433+/-0.197 χ^2/NDF:4167.9/18

+ sign 1102.295+/-0.162 χ^2/NDF: 18301.8/35

All: 1102.884+/-0.115 χ^2/NDF: 32459.5/73

- sign 1103.477+/-0.162 χ^2/NDF: 14131.1/37

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 736.231+/-382.552 χ^2/NDF:20.2/19

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

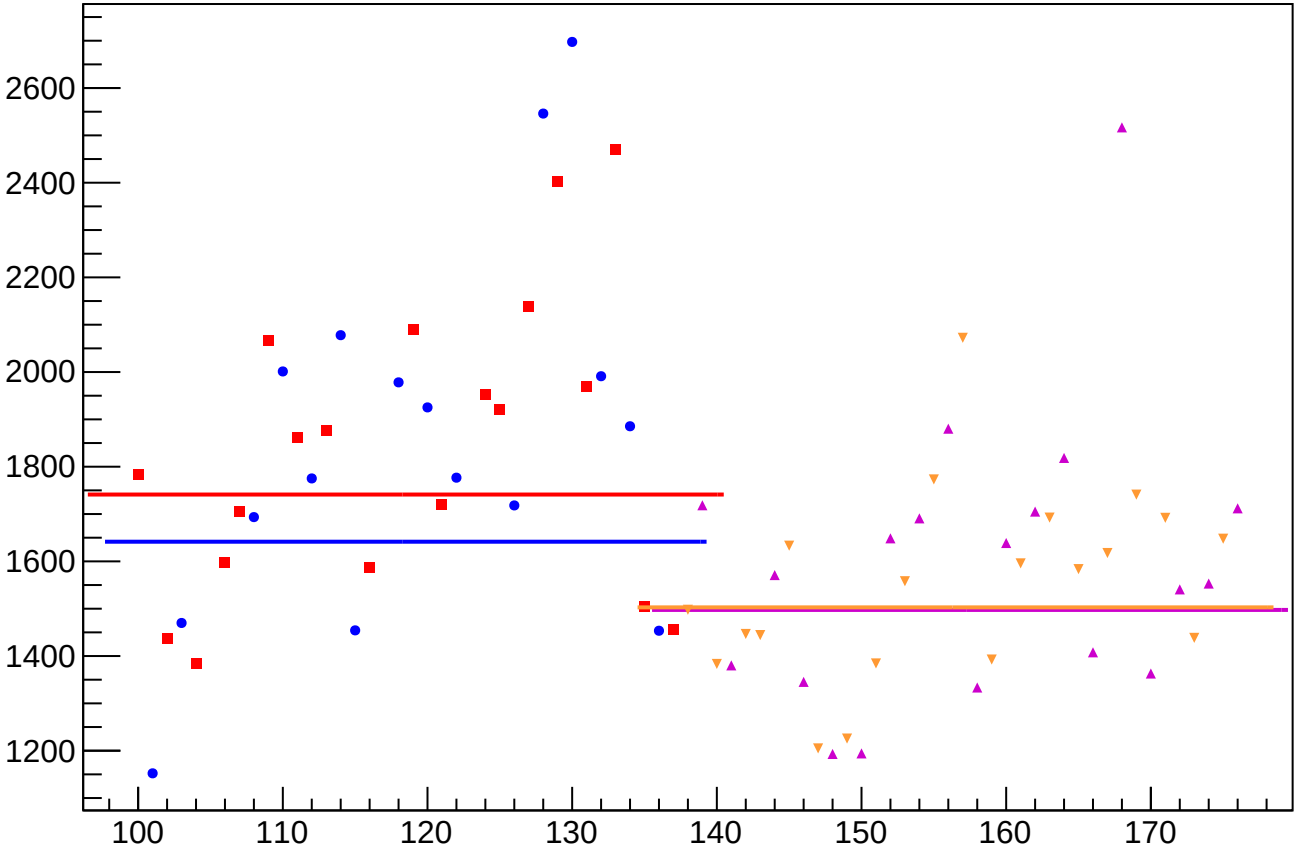
Left In: 45.585+/-386.206 χ^2/NDF:17.1/18

\+ sign 549.940+/-326.716 χ^2/NDF: 37.9/35

All: 391.029+/-232.774 χ^2/NDF: 71.3/73

\- sign 227.207+/-331.726 χ^2/NDF: 32.9/37

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1502.793+/-0.271 χ^2/NDF:502189.0/19

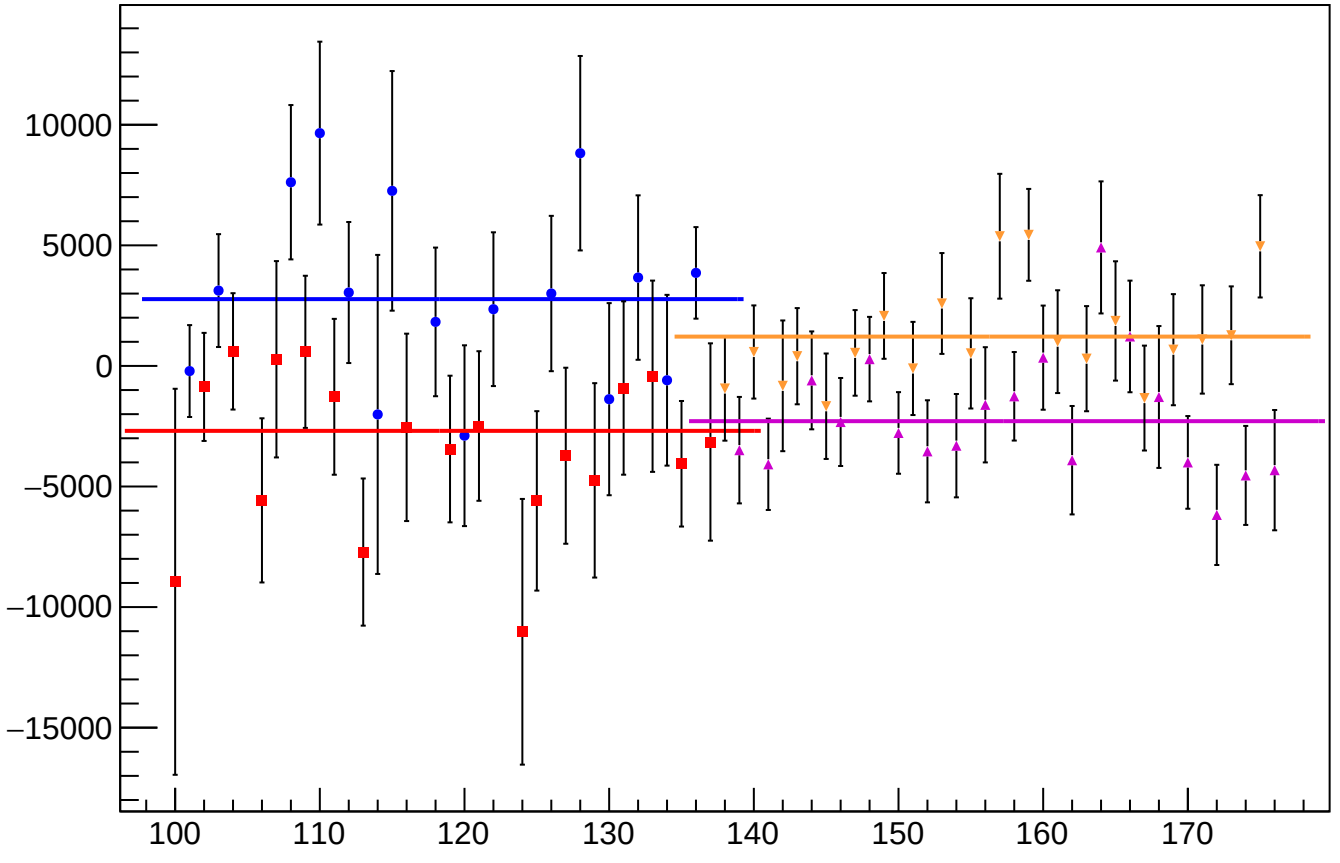
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1497.415+/-0.273 χ^2/NDF:823523.8/18

+ sign 1540.338+/-0.231 χ^2/NDF: 1274676.5/35

All: 1550.681+/-0.165 χ^2/NDF: 2749565.2/73

- sign 1561.343+/-0.235 χ^2/NDF: 1470818.4/37



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1215.821+/-472.340 χ^2/NDF:17.2/19

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

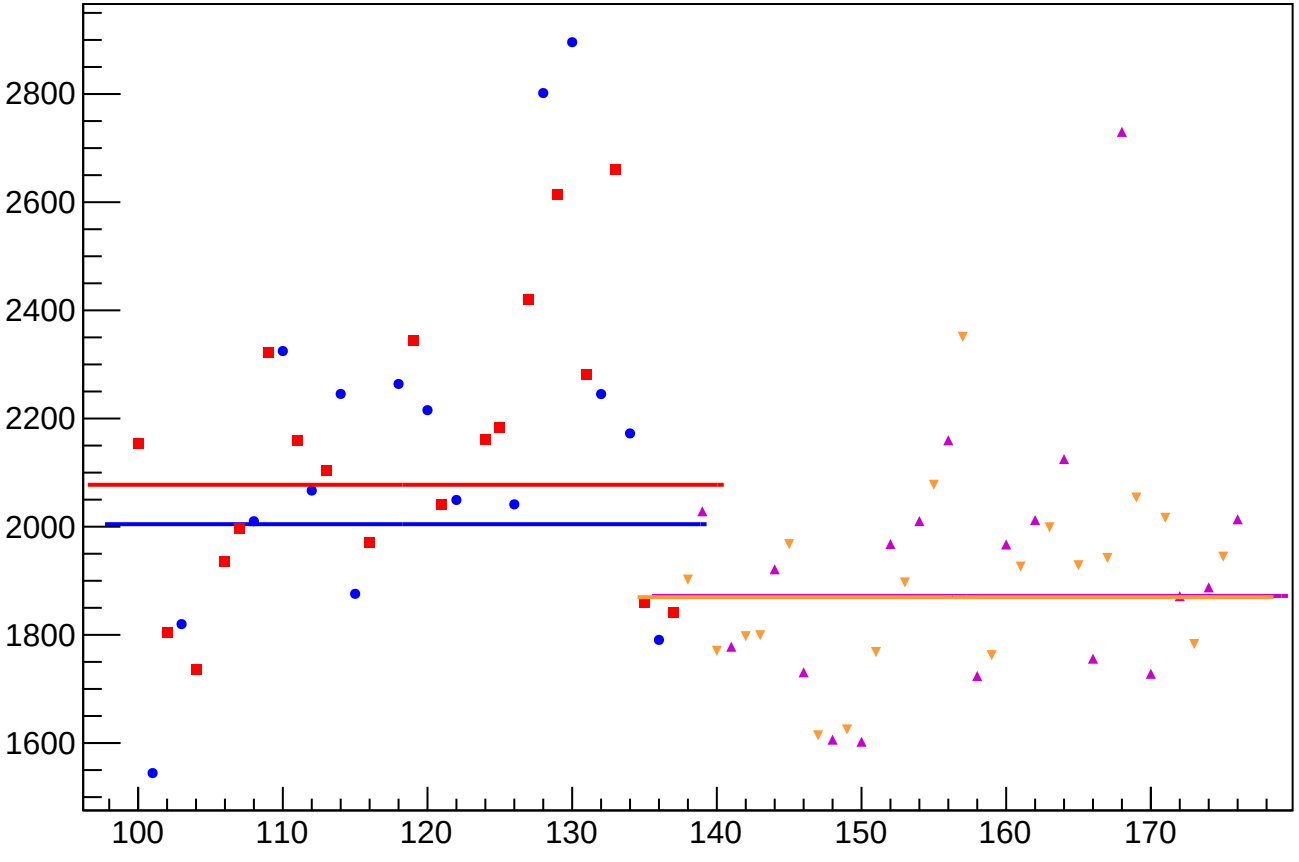
Left In: -2290.645+/-478.731 χ^2/NDF:22.6/18

+ sign 1651.242+/-400.747 χ^2/NDF: 36.7/35

All: -350.124+/-285.186 χ^2/NDF: 122.6/73

- sign -2403.606+/-405.931 χ^2/NDF: 35.3/37

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1869.646+/-0.334 χ^2/NDF:230080.5/19

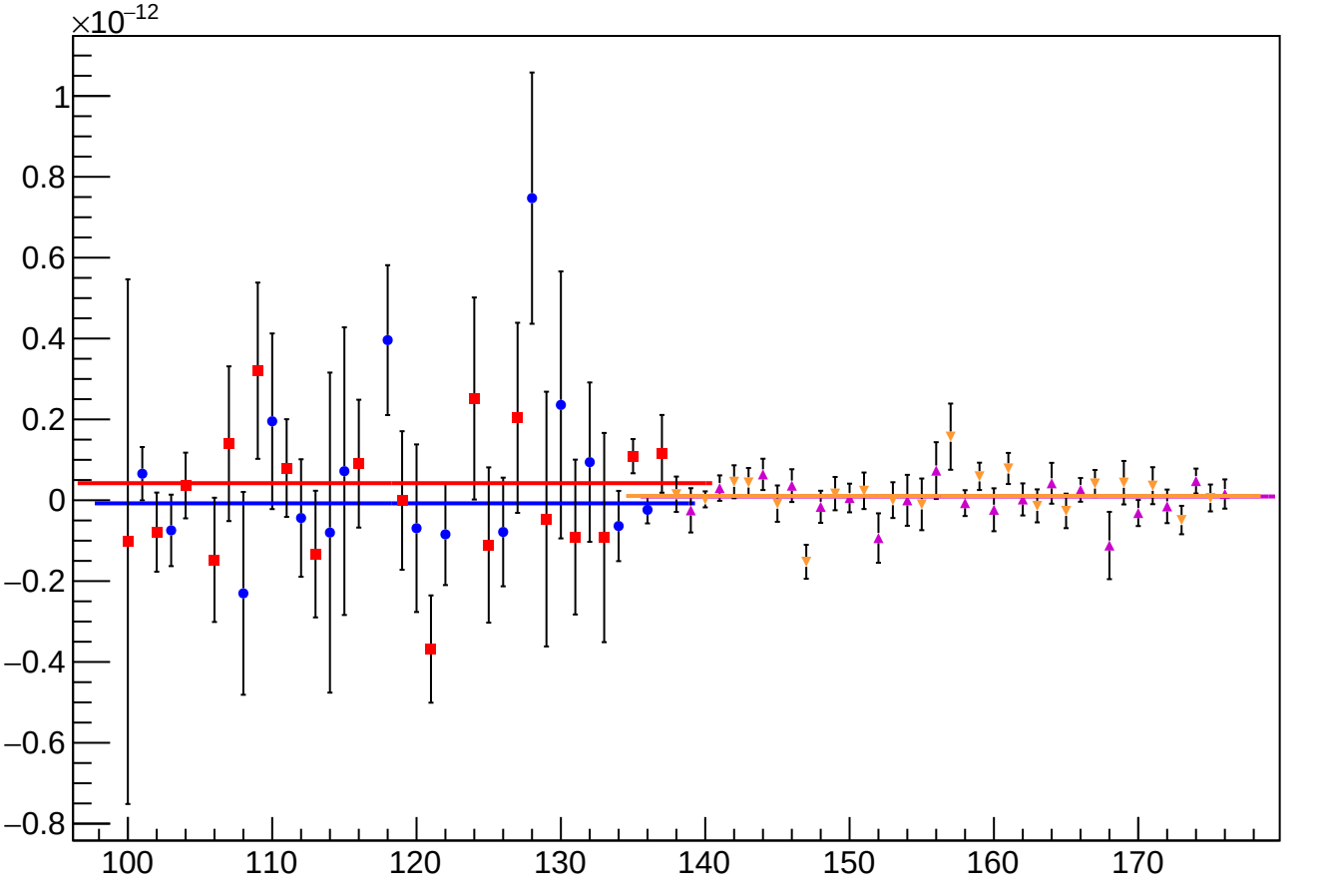
Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1871.947+/-0.339 χ^2/NDF:401119.7/18

+ sign 1907.466+/-0.283 χ^2/NDF: 663413.6/35

All: 1918.445+/-0.202 χ^2/NDF: 1401671.9/73

- sign 1929.710+/-0.287 χ^2/NDF: 735217.0/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/19

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

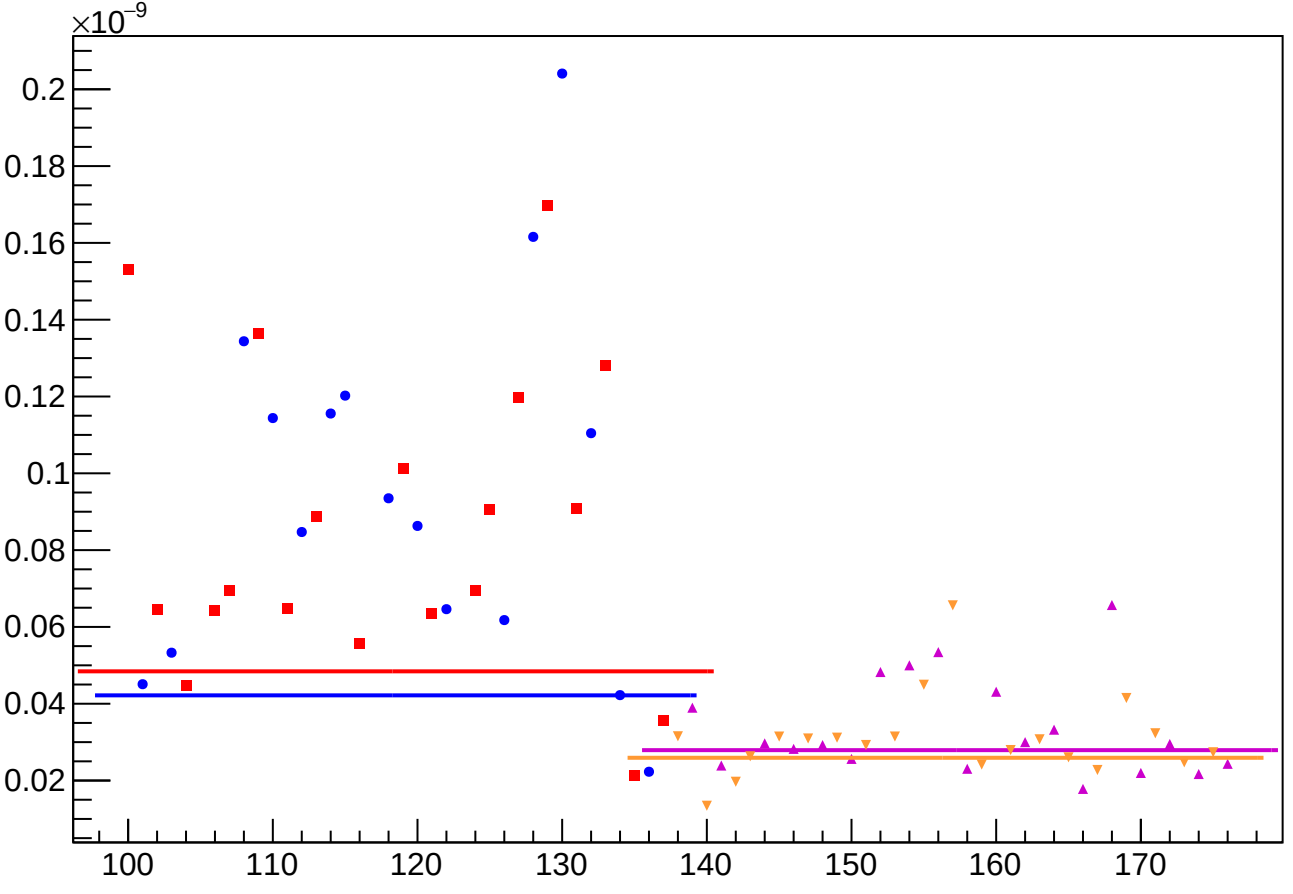
Left In: 0.000+/-0.000 χ^2/NDF:14.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 48.1/35

All: 0.000+/-0.000 χ^2/NDF: 85.8/73

- sign 0.000+/-0.000 χ^2/NDF: 37.5/37

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:1925654.7/19

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

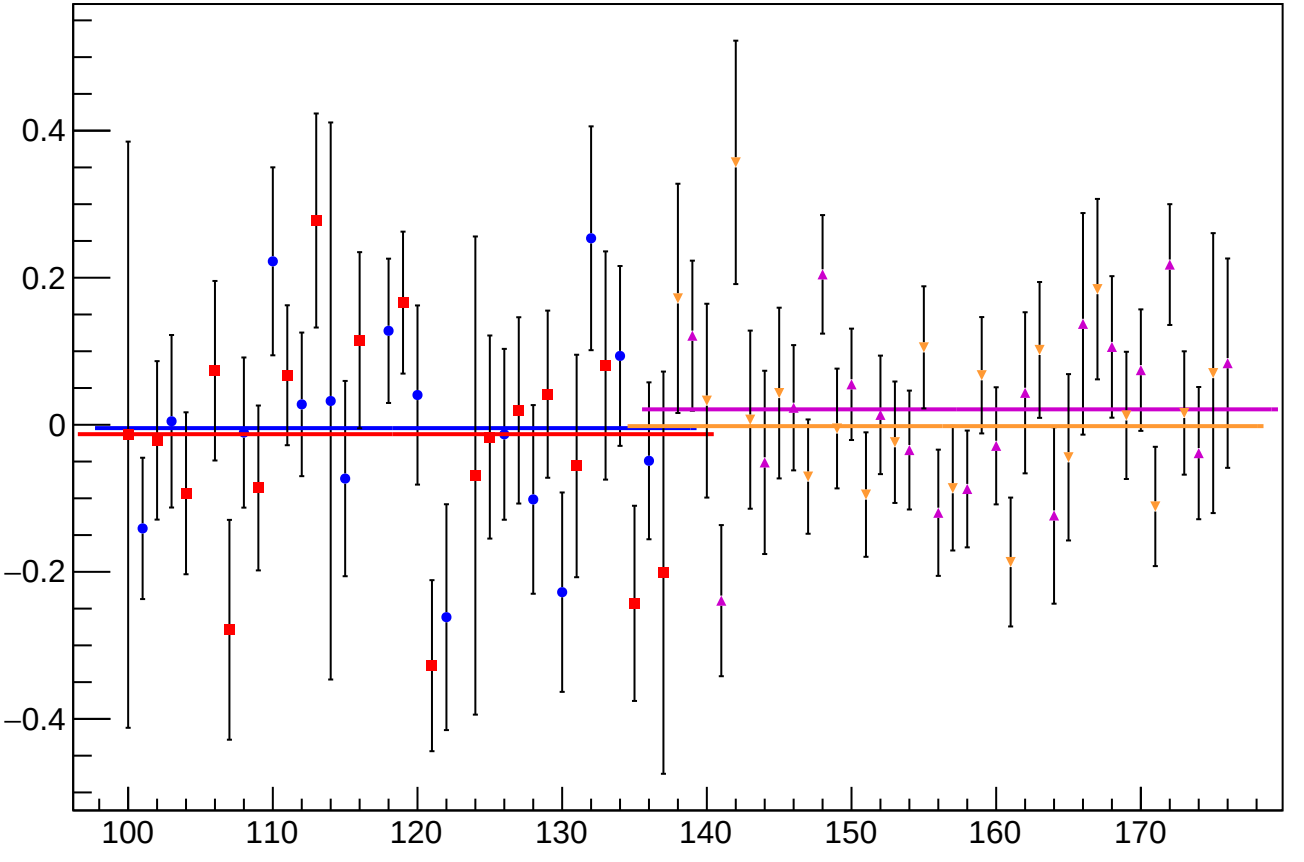
Left In: 0.000+/-0.000 χ^2/NDF:1918720.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 5655989.6/35

All: 0.000+/-0.000 χ^2/NDF: 11289653.2/73

- sign 0.000+/-0.000 χ^2/NDF: 5557116.9/37

asym_usr_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

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

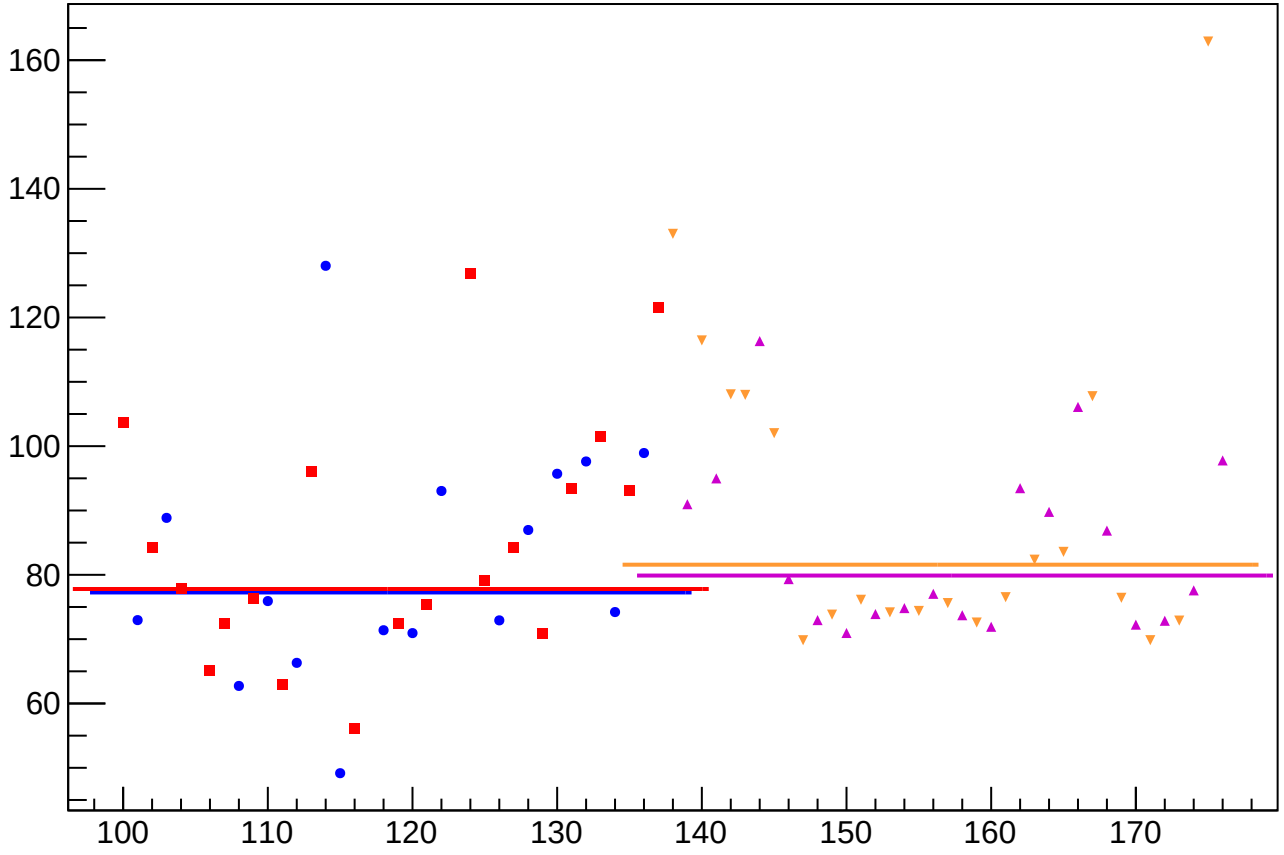
Left In: 0.021+/-0.021 χ^2/NDF:28.2/18

+ sign -0.003+/-0.017 χ^2/NDF: 39.1/35

All: 0.004+/-0.012 χ^2/NDF: 93.9/73

- sign 0.010+/-0.017 χ^2/NDF: 54.5/37

asym_usr_dit_vs_cor_diff_rms vs Slug



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

Left Out: 81.575+/-0.015 χ^2/NDF:1238661.0/19

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

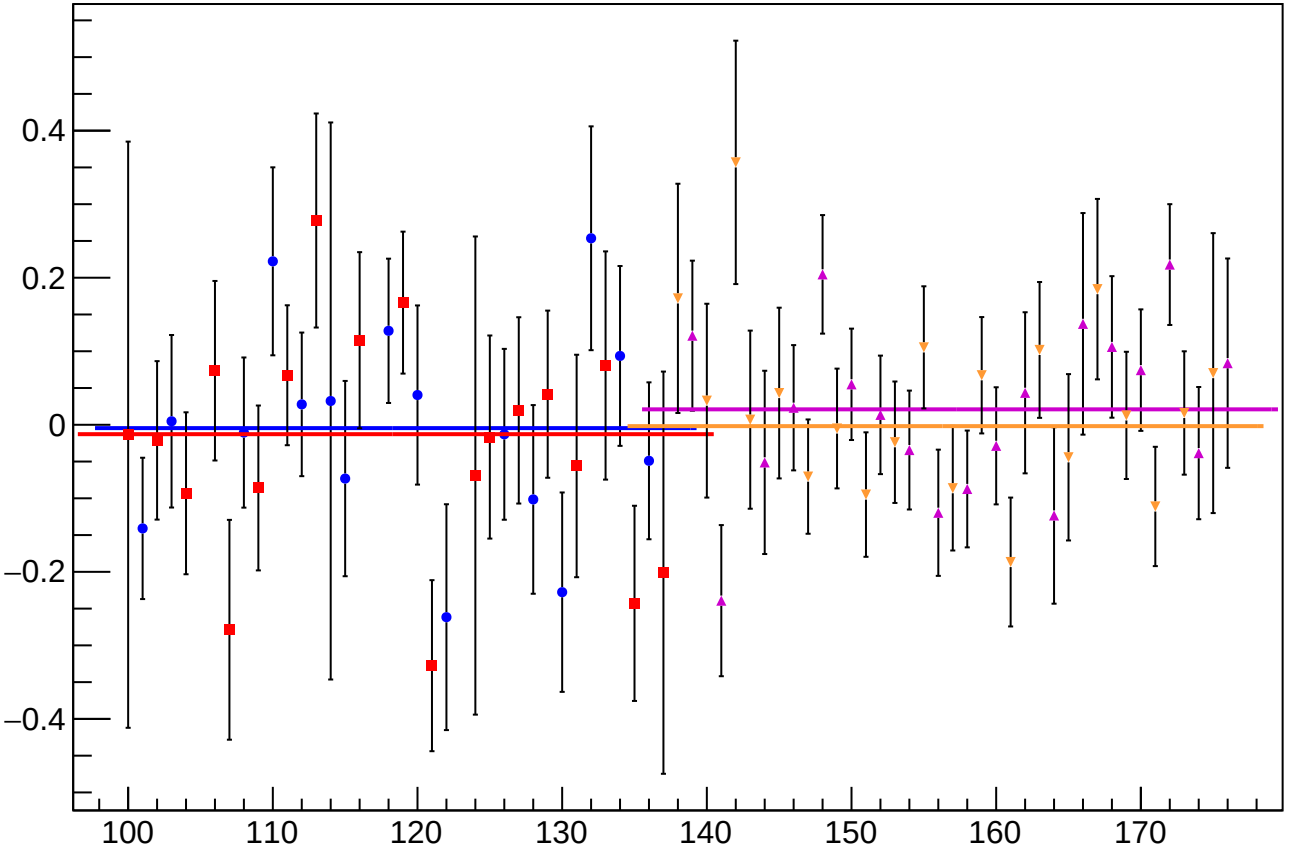
Left In: 79.887+/-0.015 χ^2/NDF:513636.6/18

+ sign 80.117+/-0.012 χ^2/NDF: 1685278.8/35

All: 79.645+/-0.009 χ^2/NDF: 2604856.5/73

- sign 79.188+/-0.012 χ^2/NDF: 916700.1/37

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

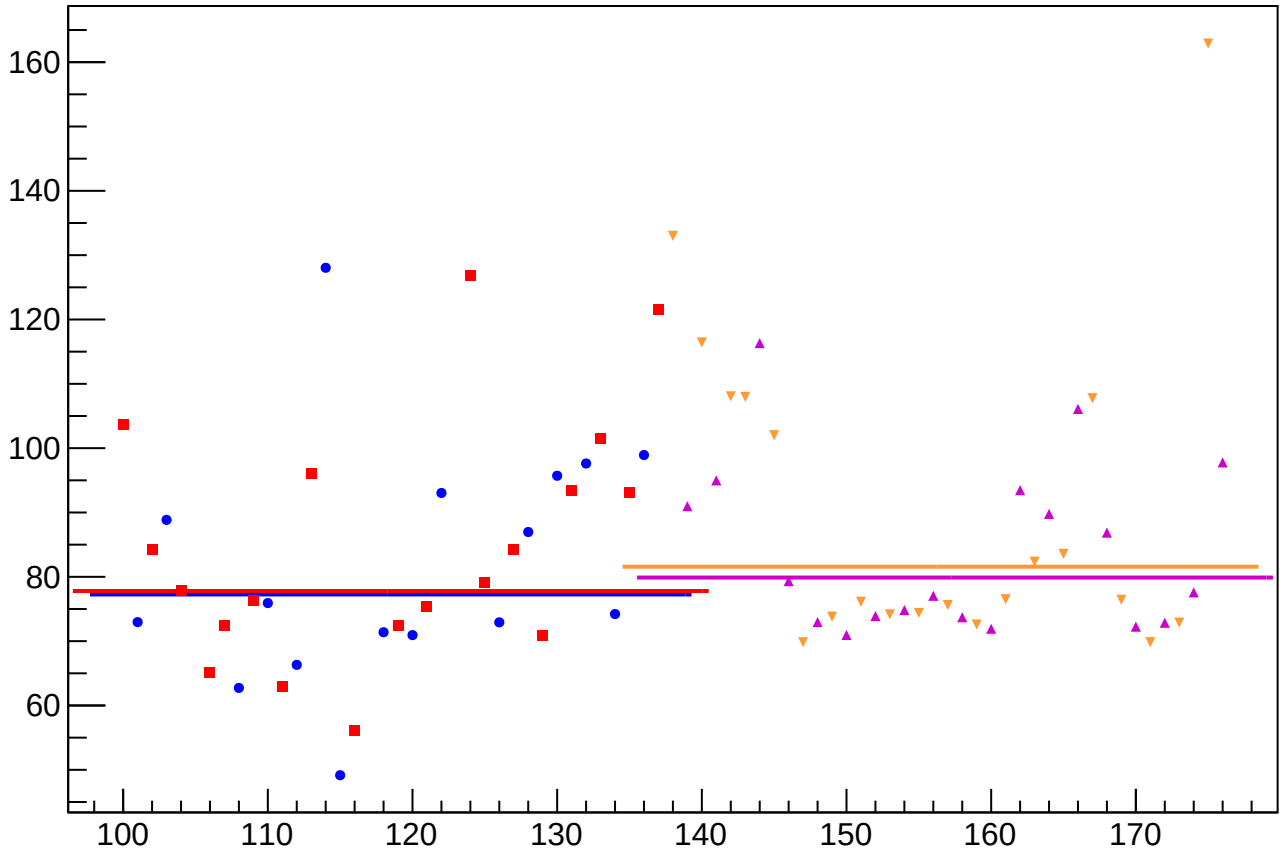
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.021+/-0.021 χ^2/NDF:28.2/18

+ sign -0.003+/-0.017 χ^2/NDF: 39.1/35

All: 0.004+/-0.012 χ^2/NDF: 93.9/73

- sign 0.010+/-0.017 χ^2/NDF: 54.5/37



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

Left Out: 81.575+/-0.015 χ^2/NDF:1238661.0/19

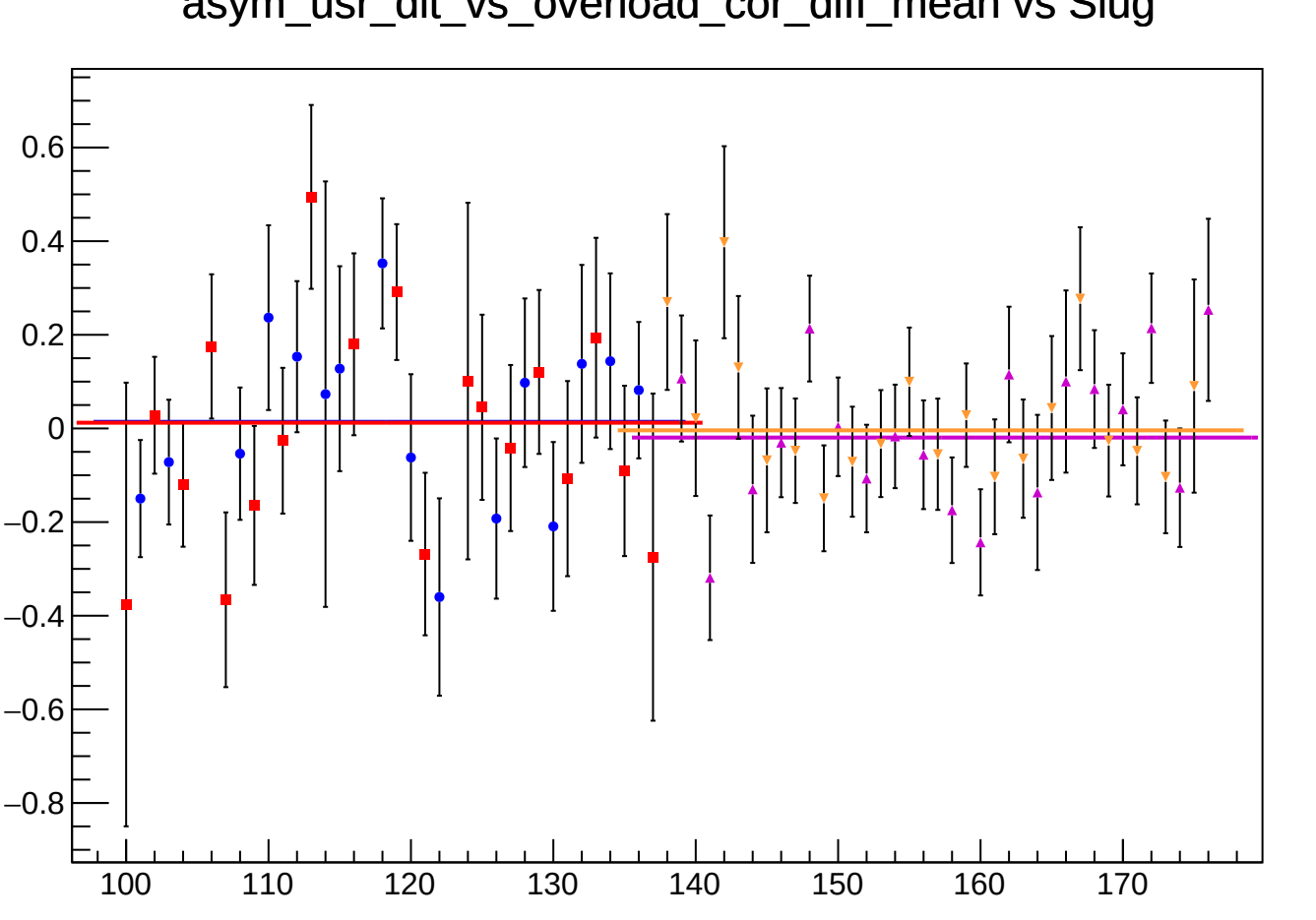
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.887+/-0.015 χ^2/NDF:513636.6/18

+ sign 80.117+/-0.012 χ^2/NDF: 1685278.8/35

All: 79.645+/-0.009 χ^2/NDF: 2604856.5/73

- sign 79.188+/-0.012 χ^2/NDF: 916700.1/37



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

Left Out: -0.004+/-0.029 χ^2/NDF:15.6/19

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

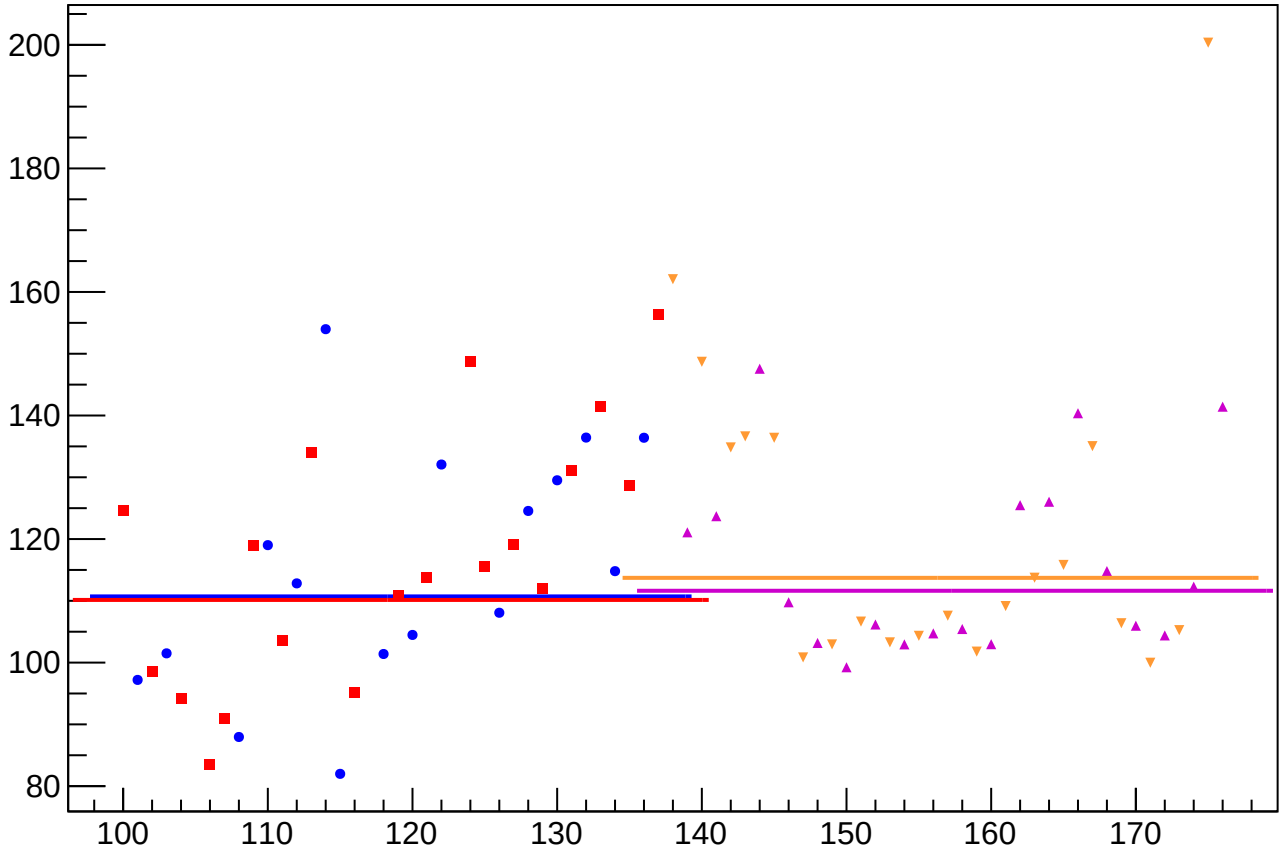
Left In: -0.019+/-0.029 χ^2/NDF:26.6/18

+ sign 0.002+/-0.024 χ^2/NDF: 33.9/35

All: -0.004+/-0.017 χ^2/NDF: 84.7/73

- sign -0.009+/-0.024 χ^2/NDF: 50.7/37

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.720+/-0.021 χ^2/NDF:819882.0/19

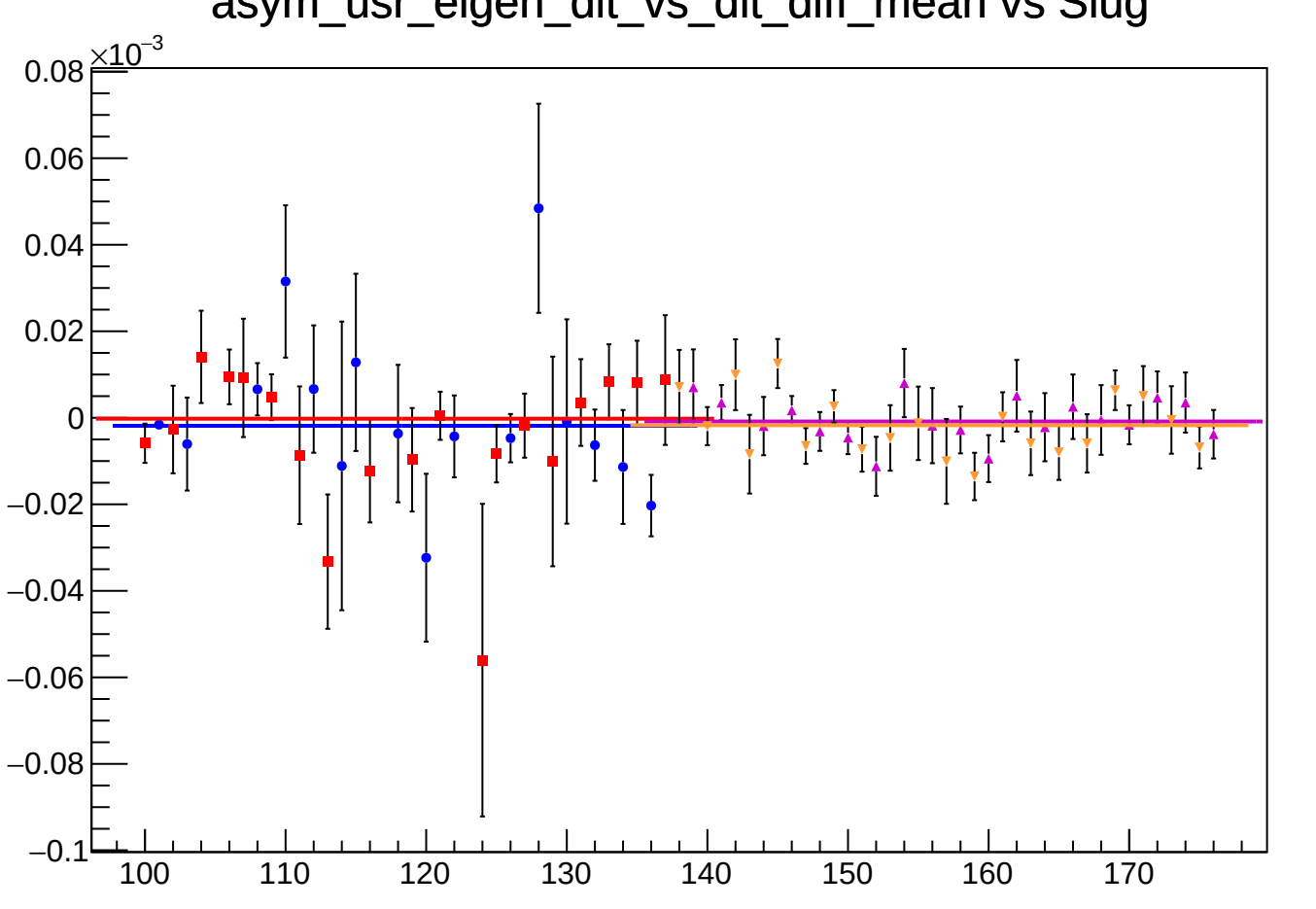
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 111.628+/-0.021 χ^2/NDF:349264.7/18

+ sign 112.741+/-0.017 χ^2/NDF: 1126674.3/35

All: 111.927+/-0.012 χ^2/NDF: 1808877.4/73

- sign 111.138+/-0.017 χ^2/NDF: 677718.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.3/19

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

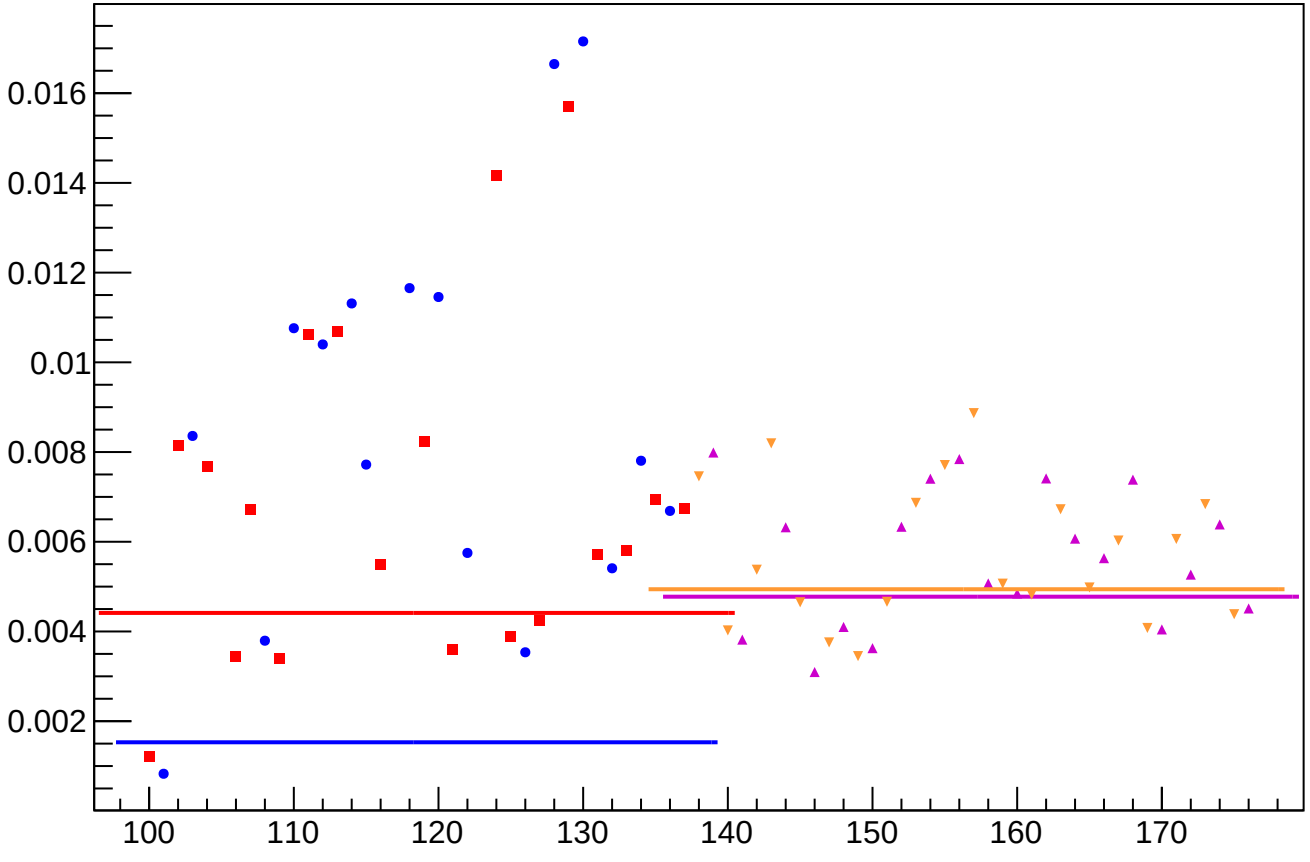
Left In: -0.000+/-0.000 χ^2/NDF:12.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 47.7/35

All: -0.000+/-0.000 χ^2/NDF: 80.7/73

- sign -0.000+/-0.000 χ^2/NDF: 32.3/37

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2110145.6/19

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

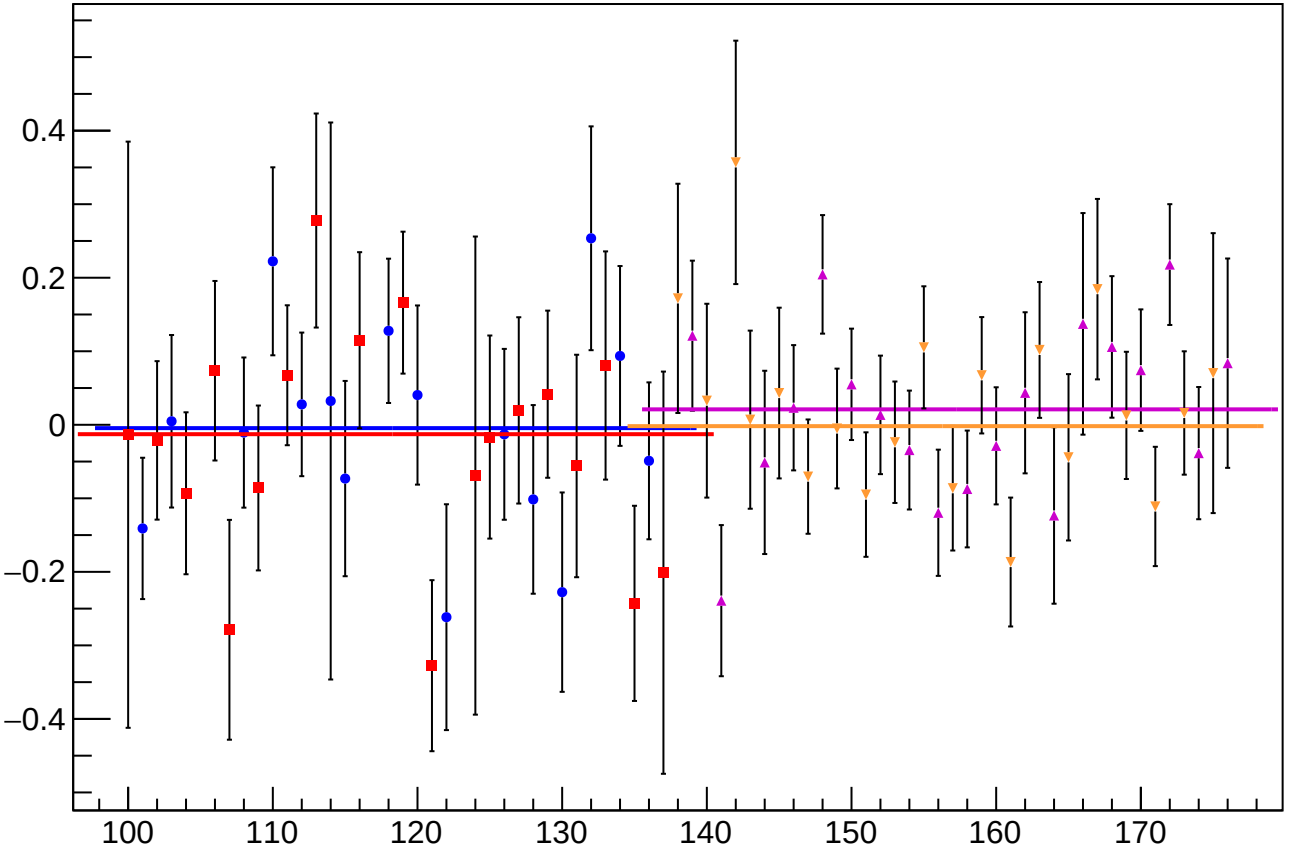
Left In: 0.005+/-0.000 χ^2/NDF:2475776.3/18

+ sign 0.003+/-0.000 χ^2/NDF: 20128981.7/35

All: 0.003+/-0.000 χ^2/NDF: 30267797.3/73

- sign 0.005+/-0.000 χ^2/NDF: 5912965.0/37

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

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

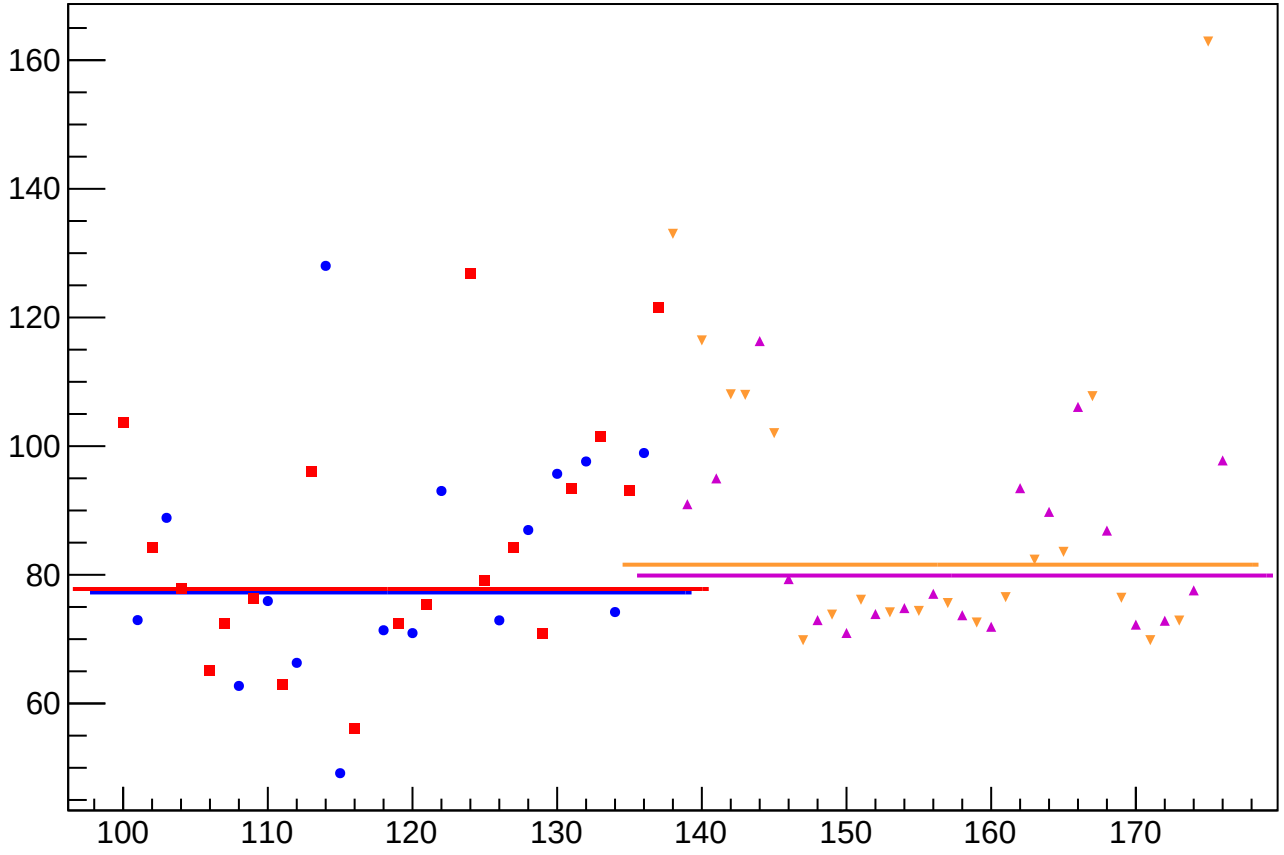
Left In: 0.021+/-0.021 χ^2/NDF:28.2/18

+ sign -0.003+/-0.017 χ^2/NDF: 39.1/35

All: 0.004+/-0.012 χ^2/NDF: 93.9/73

- sign 0.010+/-0.017 χ^2/NDF: 54.5/37

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 81.576+/-0.015 χ^2/NDF:1238660.3/19

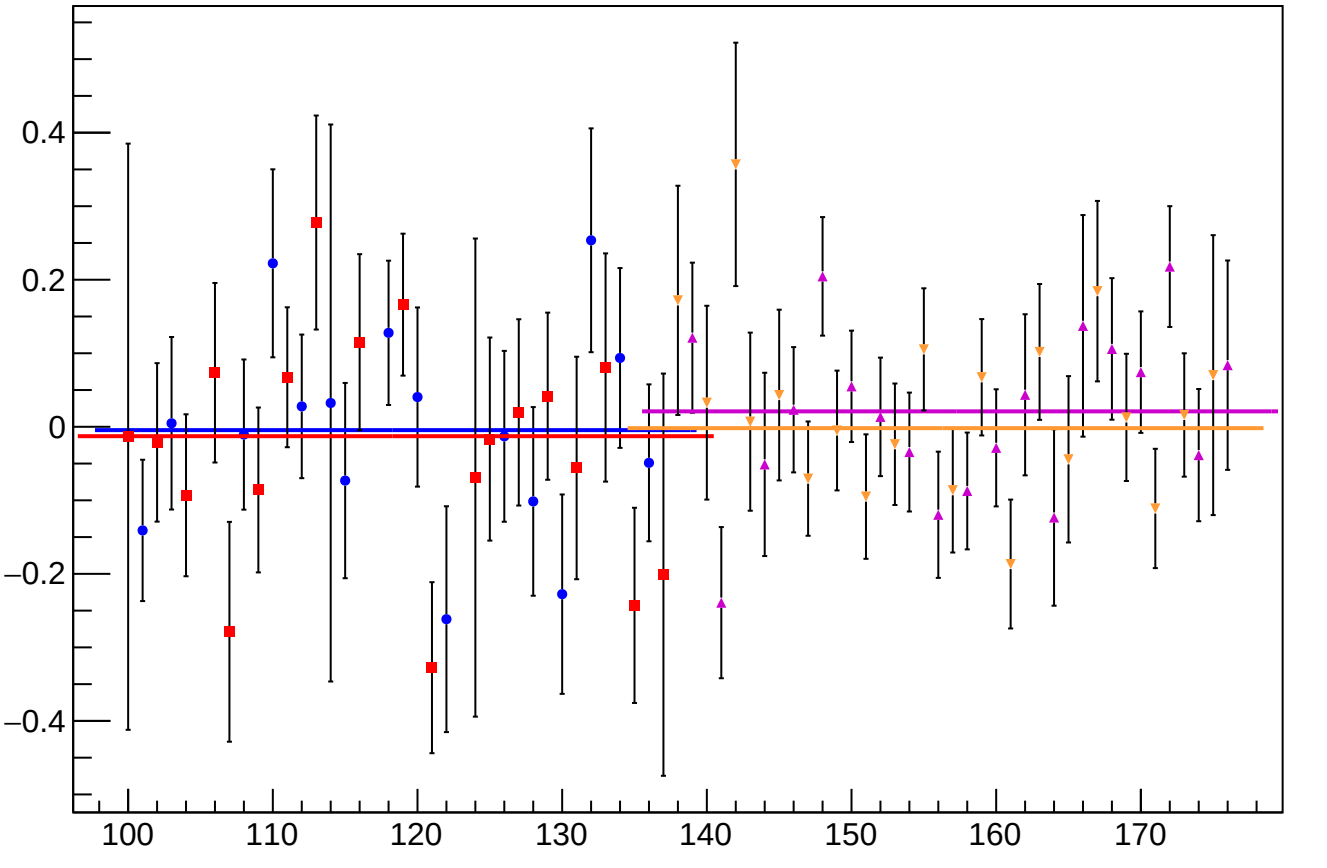
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

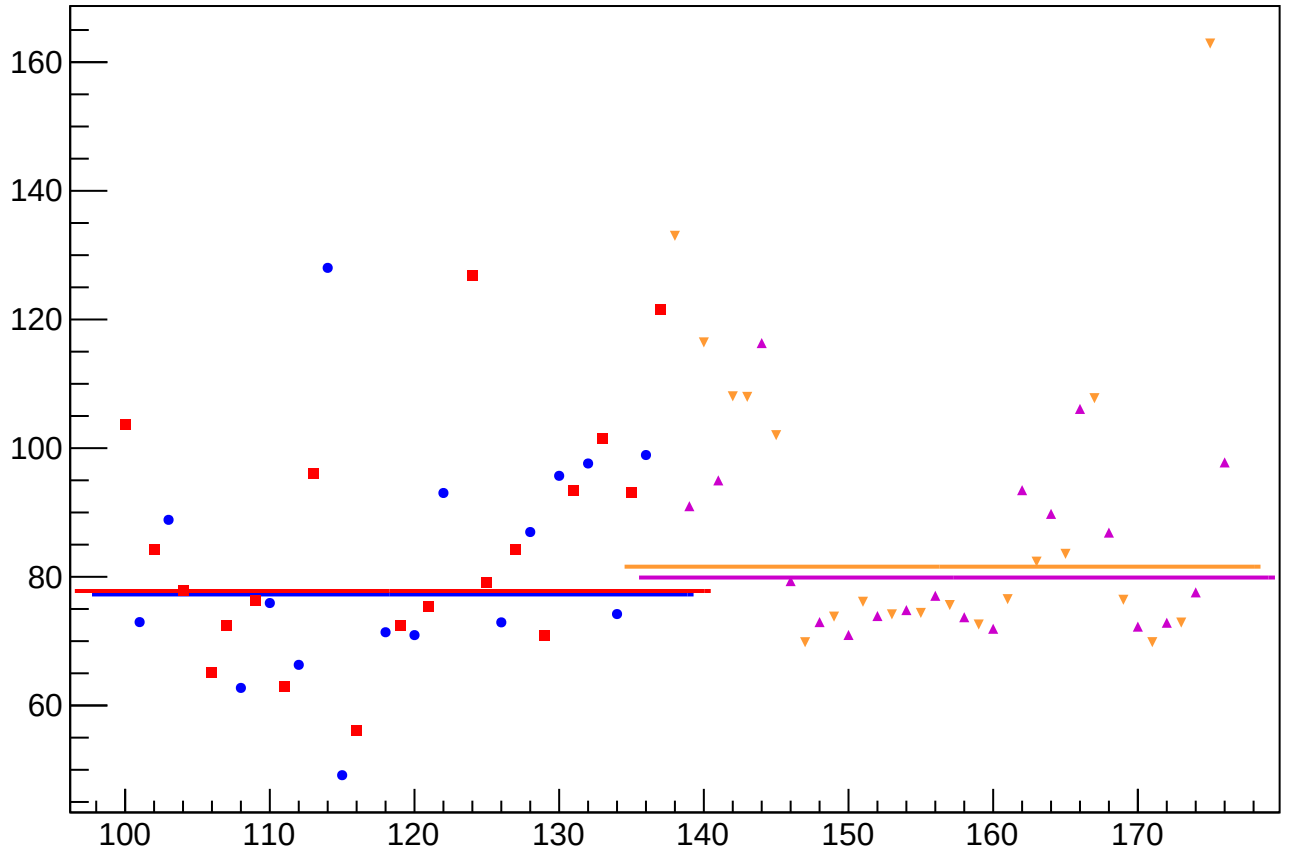
Left In: 79.887+/-0.015 χ^2/NDF:513637.3/18

+ sign 80.117+/-0.012 χ^2/NDF: 1685292.5/35

All: 79.645+/-0.009 χ^2/NDF: 2604881.2/73

- sign 79.188+/-0.012 χ^2/NDF: 916710.8/37


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: -0.002+/-0.021 χ²/NDF:21.8/19
Right Out: -0.013+/-0.030 χ²/NDF: 25.5/18
Left In: 0.021+/-0.021 χ²/NDF:28.2/18
+ sign -0.003+/-0.017 χ²/NDF: 39.1/35
All: 0.004+/-0.012 χ²/NDF: 93.9/73
- sign 0.010+/-0.017 χ²/NDF: 54.5/37



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

Left Out: 81.576+/-0.015 χ^2/NDF:1238660.3/19

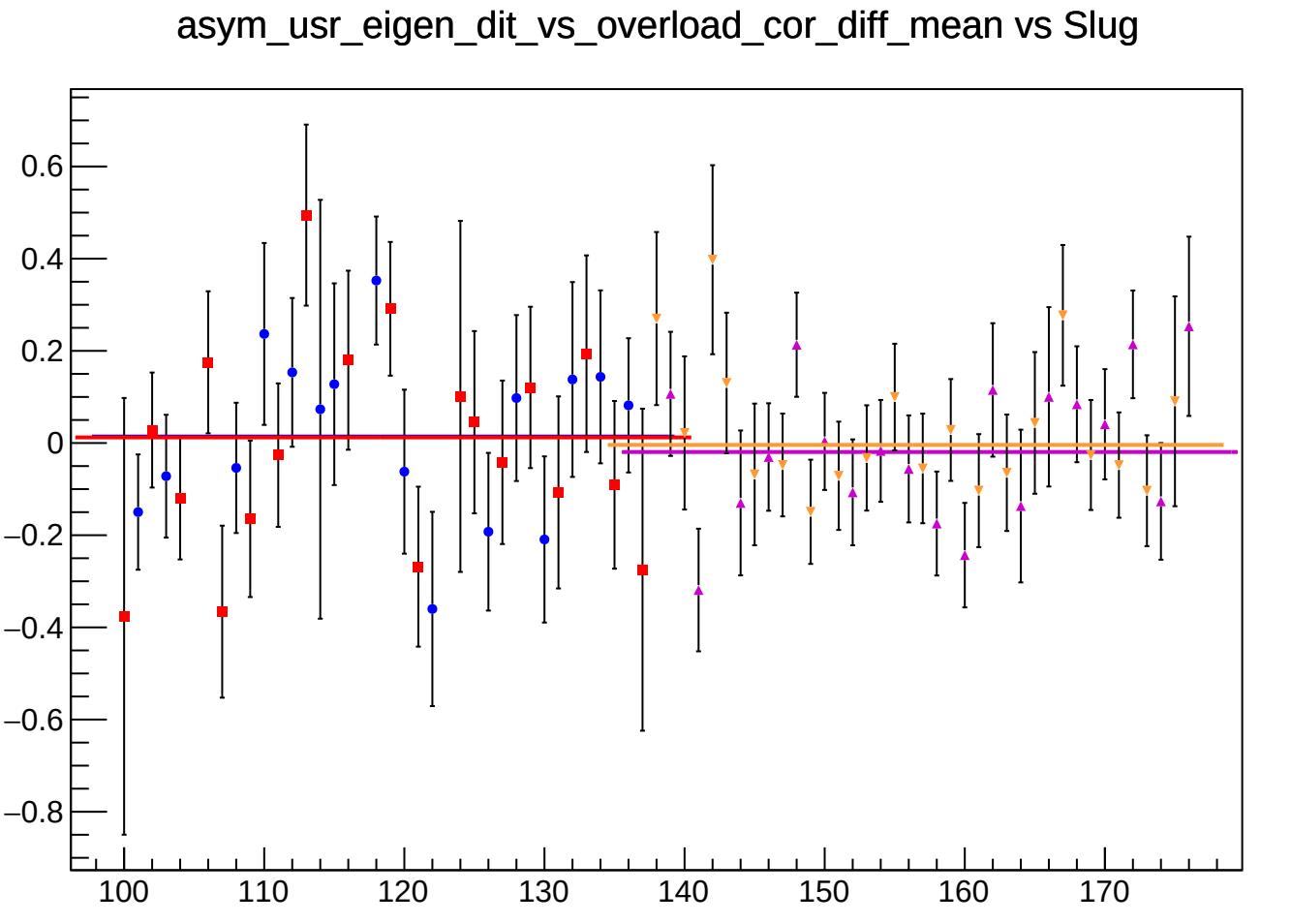
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.887+/-0.015 χ^2/NDF:513637.3/18

+ sign 80.117+/-0.012 χ^2/NDF: 1685292.5/35

All: 79.645+/-0.009 χ^2/NDF: 2604881.2/73

- sign 79.188+/-0.012 χ^2/NDF: 916710.8/37



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

Left Out: -0.004+/-0.029 χ^2/NDF:15.6/19

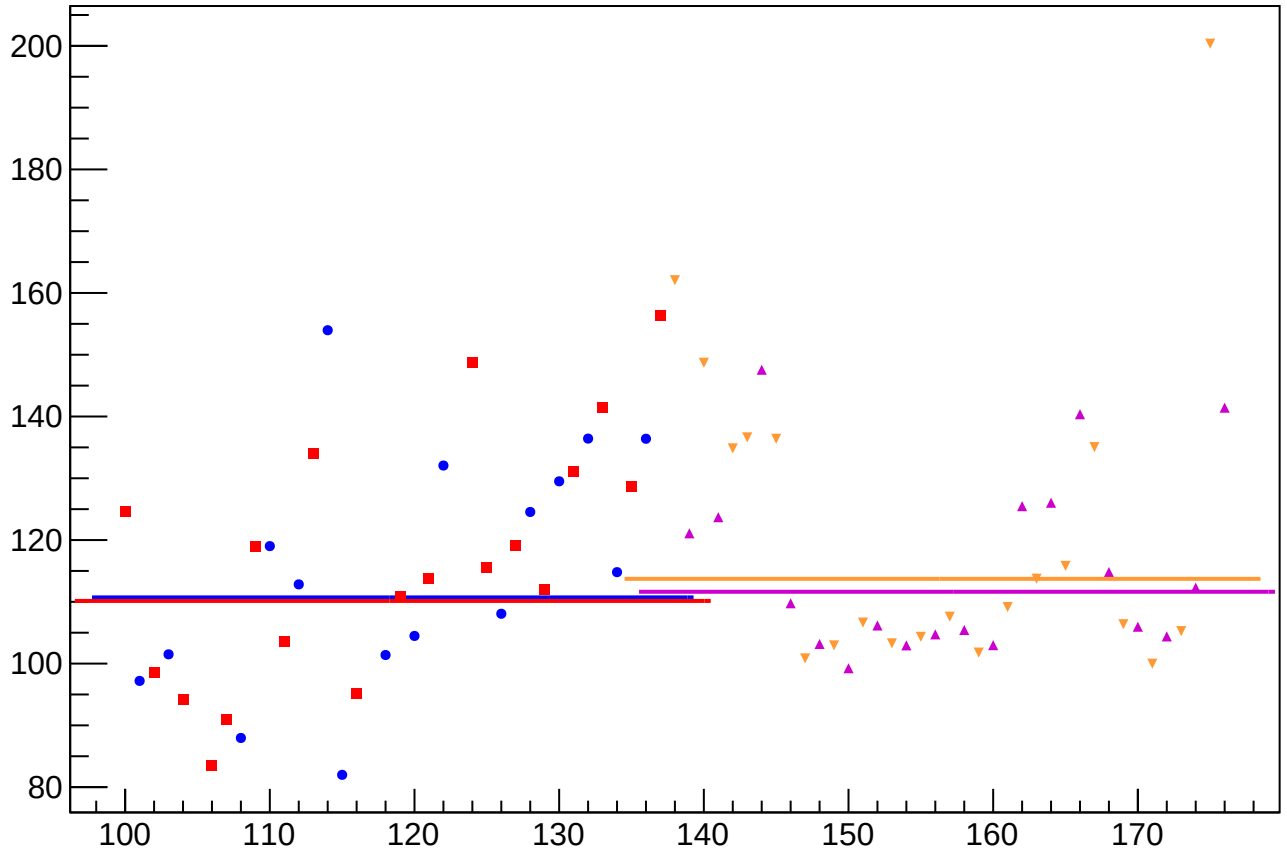
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.019+/-0.029 χ^2/NDF:26.6/18

+ sign 0.002+/-0.024 χ^2/NDF: 33.9/35

All: -0.004+/-0.017 χ^2/NDF: 84.7/73

- sign -0.009+/-0.024 χ^2/NDF: 50.7/37



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

Left Out: 113.721+/-0.021 χ^2/NDF:819880.5/19

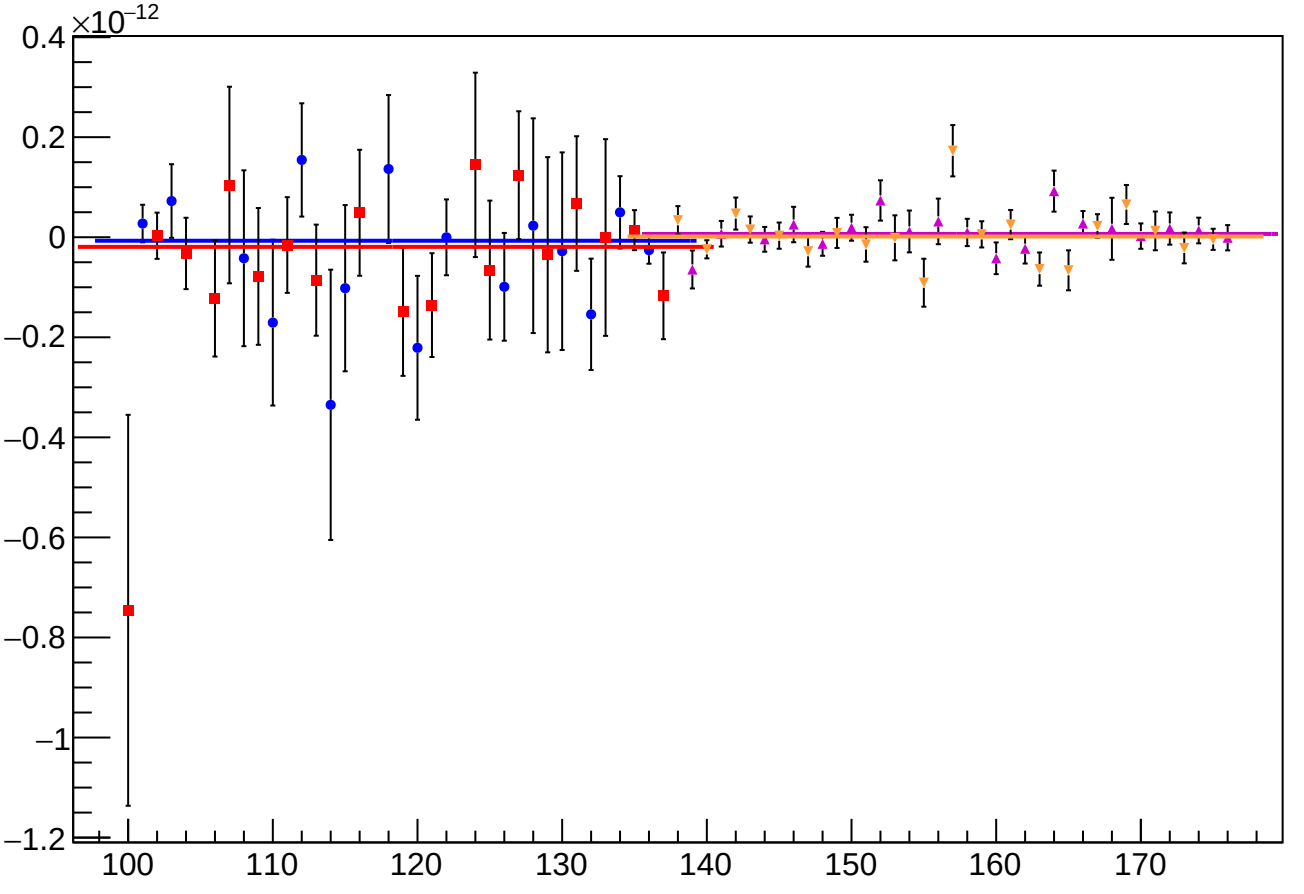
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 111.629+/-0.021 χ^2/NDF:349266.4/18

+ sign 112.741+/-0.017 χ^2/NDF: 1126654.4/35

All: 111.927+/-0.012 χ^2/NDF: 1808832.1/73

- sign 111.138+/-0.017 χ^2/NDF: 677693.3/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/19

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

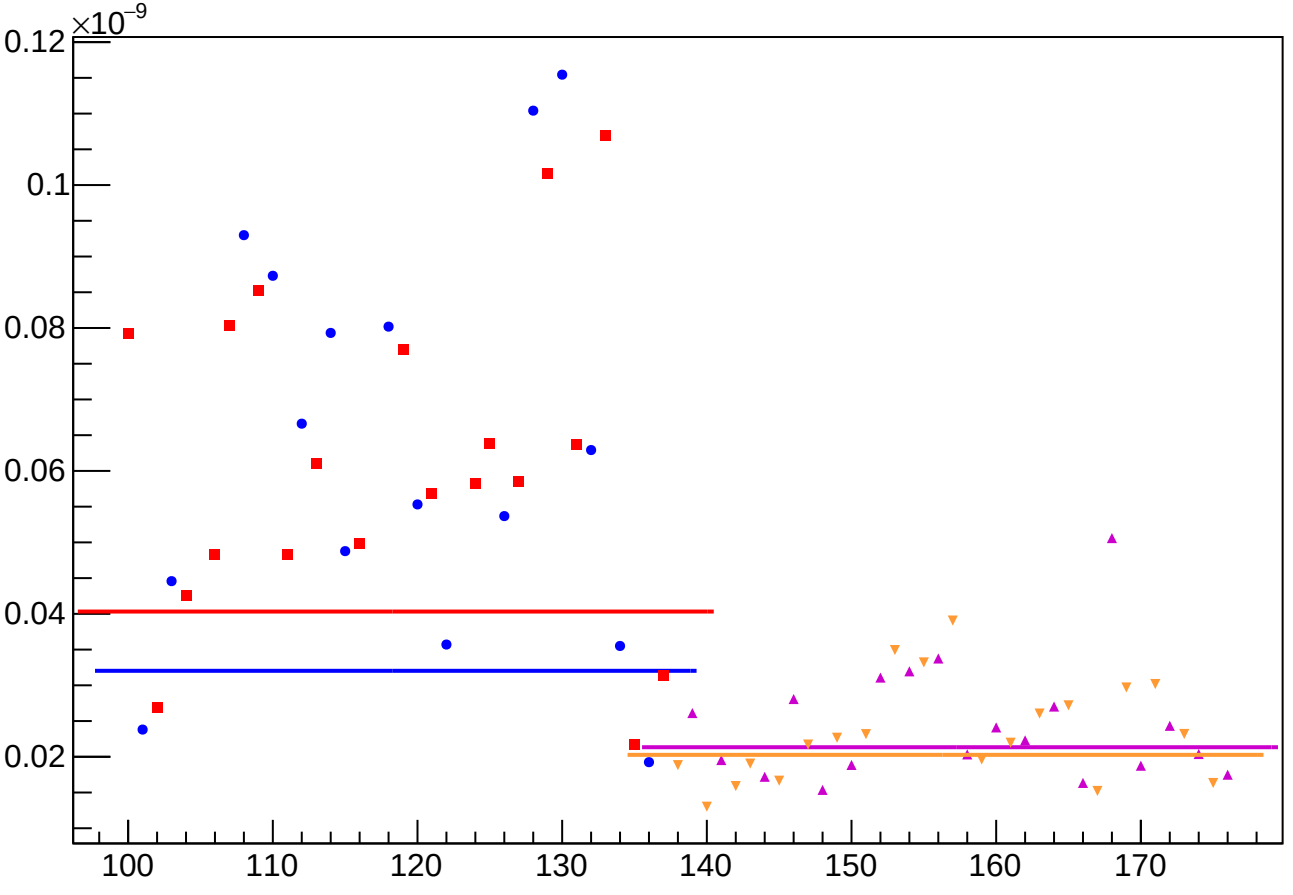
Left In: 0.000+/-0.000 χ^2/NDF:16.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/35

All: 0.000+/-0.000 χ^2/NDF: 78.0/73

- sign 0.000+/-0.000 χ^2/NDF: 30.7/37

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:1618798.2/19

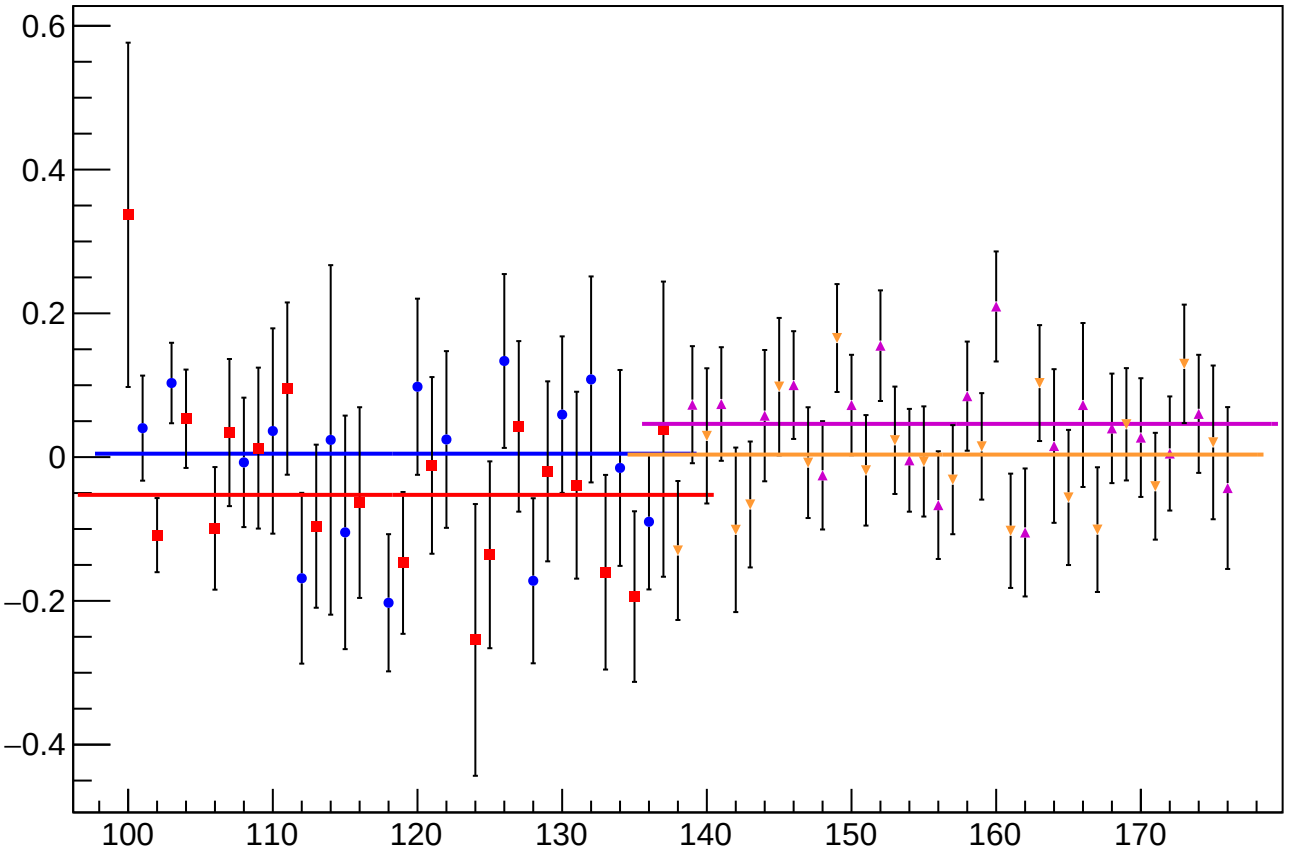
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1378539.2/18

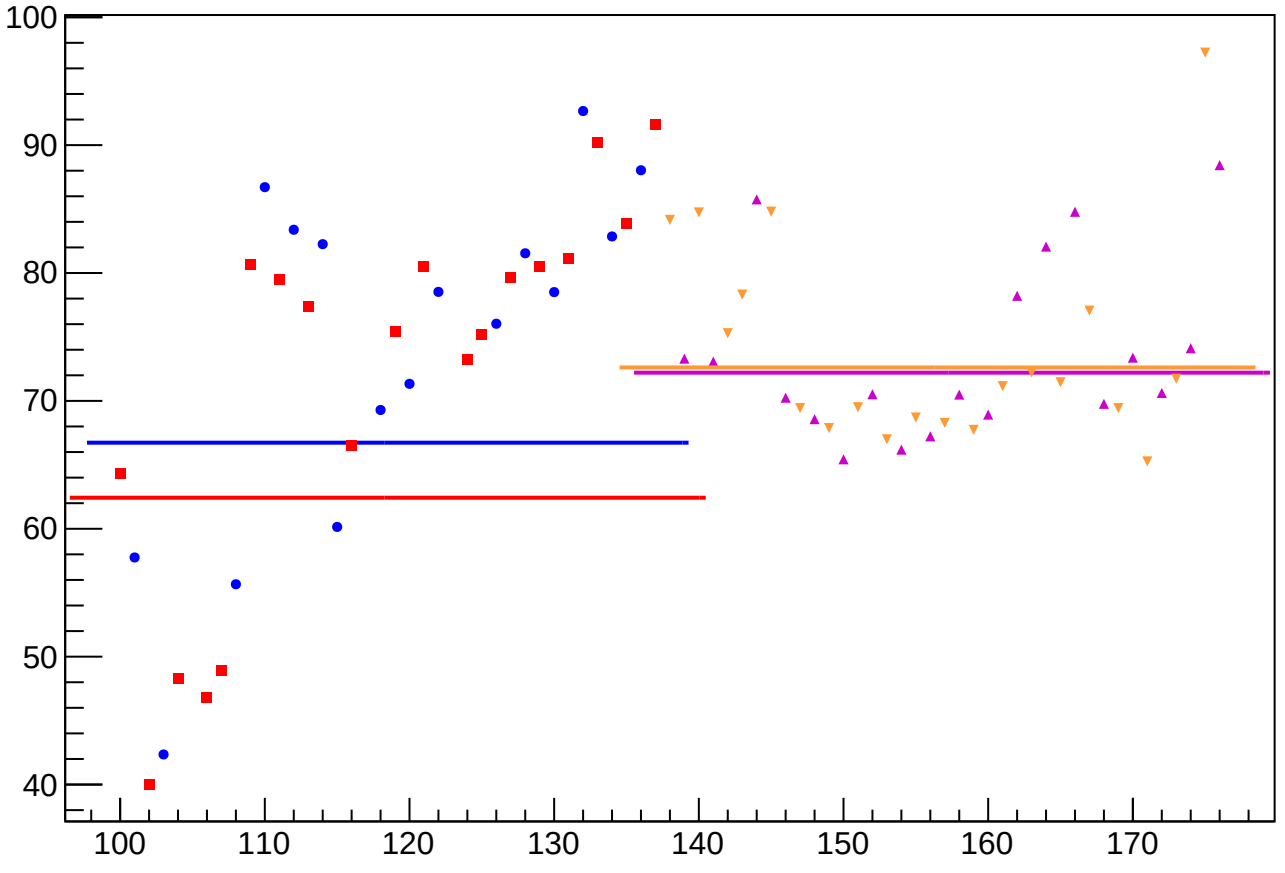
+ sign 0.000+/-0.000 χ^2/NDF: 4837261.8/35

All: 0.000+/-0.000 χ^2/NDF: 9597999.3/73

- sign 0.000+/-0.000 χ^2/NDF: 4705654.0/37


asym_usr_overload_cor_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: 0.004+/-0.019 χ²/NDF:17.7/19
Right Out: -0.053+/-0.024 χ²/NDF: 14.8/18
Left In: 0.046+/-0.019 χ²/NDF:15.4/18
+ sign 0.004+/-0.015 χ²/NDF: 34.3/35
All: 0.007+/-0.011 χ²/NDF: 75.1/73
- sign 0.009+/-0.015 χ²/NDF: 40.7/37

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.616+/-0.013 χ^2/NDF:285496.0/19

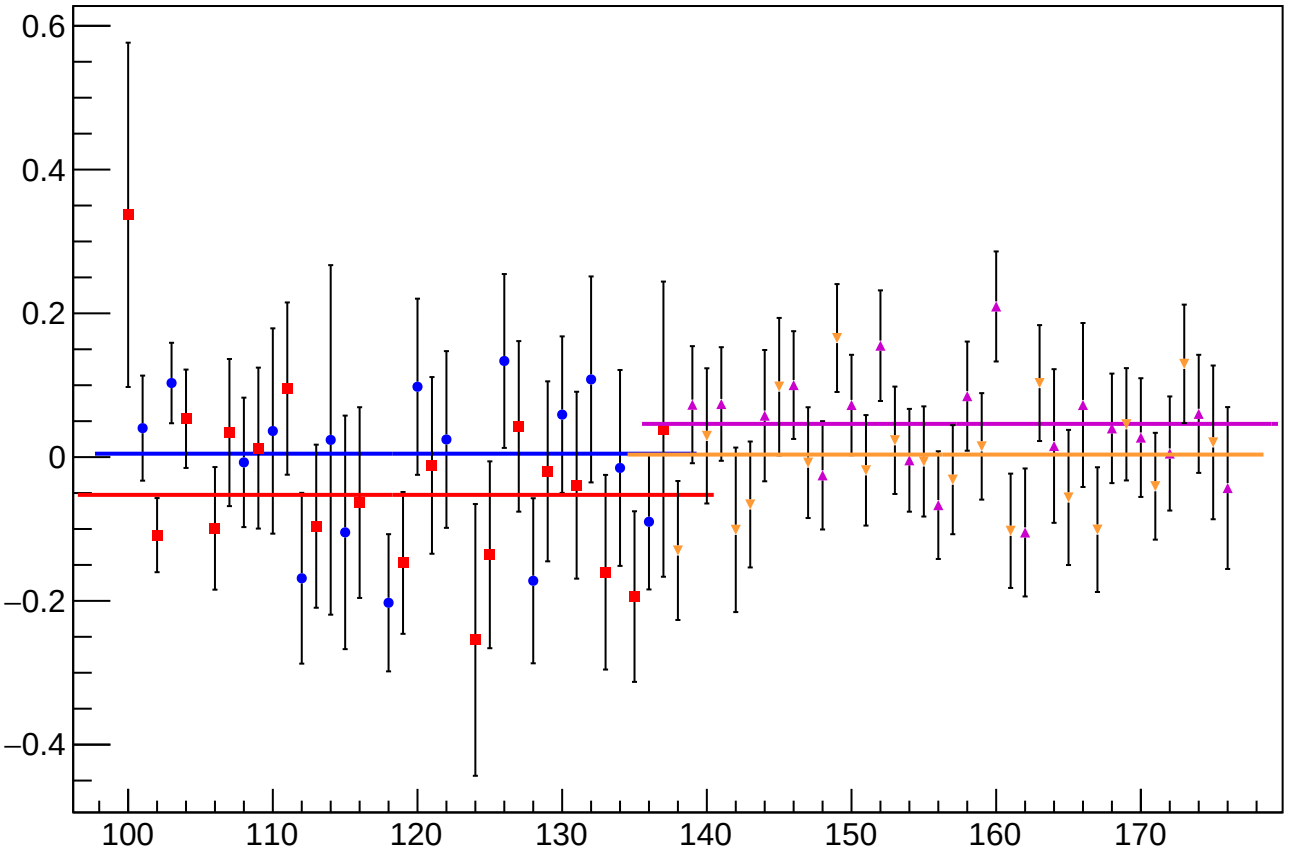
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 72.207+/-0.013 χ^2/NDF:194458.8/18

+ sign 70.616+/-0.011 χ^2/NDF: 1170380.6/35

All: 69.554+/-0.007 χ^2/NDF: 2704224.3/73

- sign 68.540+/-0.010 χ^2/NDF: 1514511.3/37



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

Left Out: 0.004+/-0.019 χ^2/NDF:17.7/19

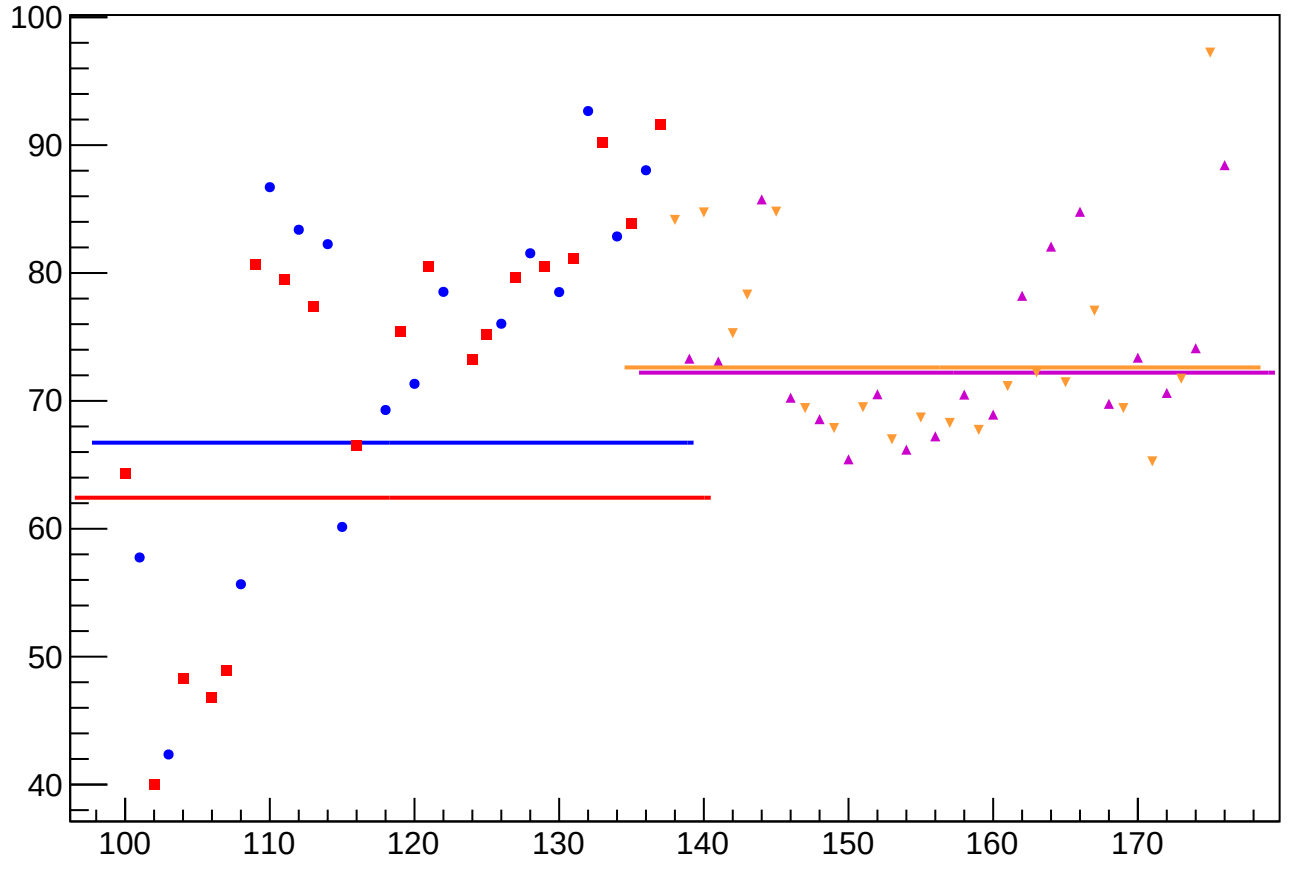
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.046+/-0.019 χ^2/NDF:15.4/18

+ sign 0.004+/-0.015 χ^2/NDF: 34.3/35

All: 0.007+/-0.011 χ^2/NDF: 75.1/73

- sign 0.009+/-0.015 χ^2/NDF: 40.7/37



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.616+/-0.013 χ^2/NDF:285496.0/19

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

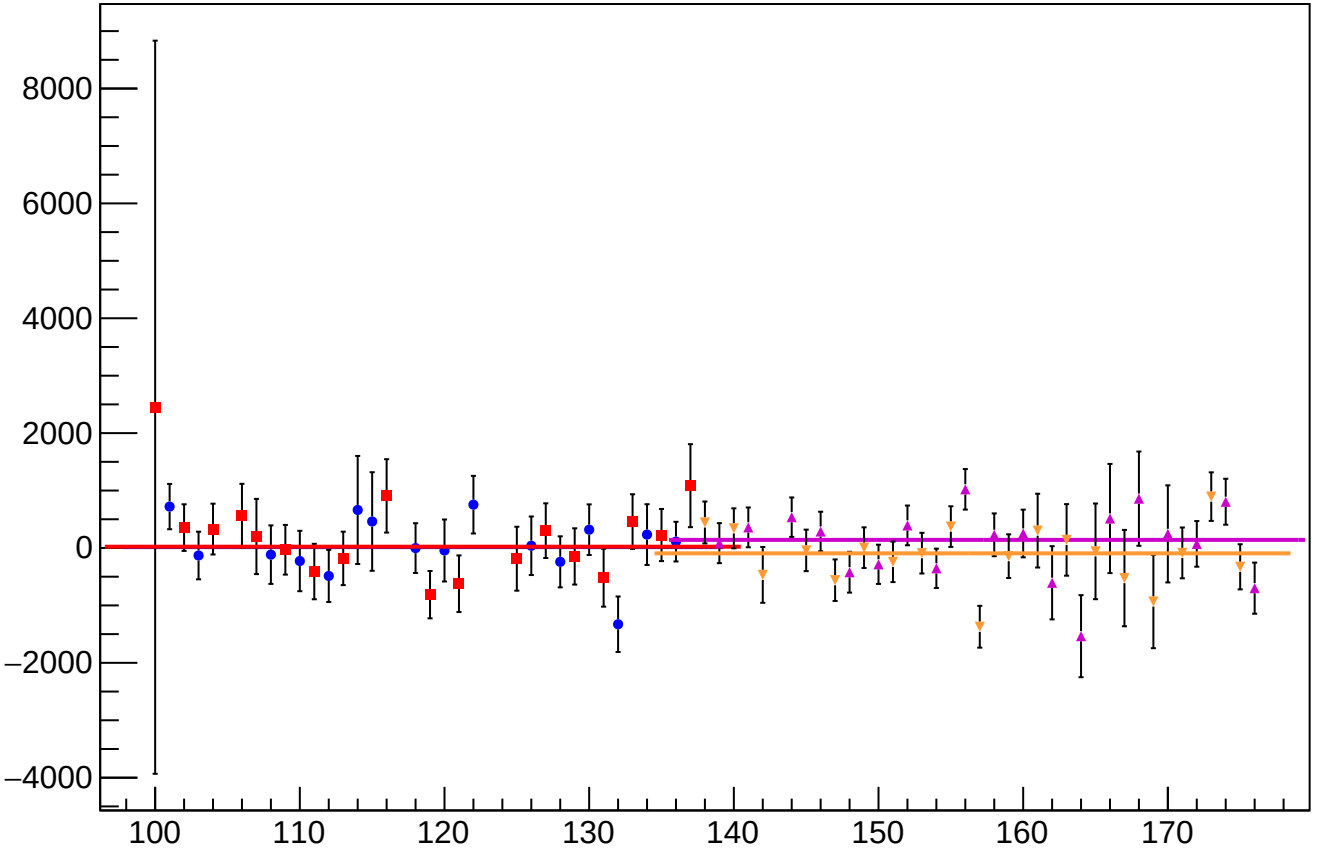
Left In: 72.207+/-0.013 χ^2/NDF:194458.8/18

+ sign 70.616+/-0.011 χ^2/NDF: 1170380.6/35

All: 69.554+/-0.007 χ^2/NDF: 2704224.3/73

- sign 68.540+/-0.010 χ^2/NDF: 1514511.3/37

asym_dsl_mean vs Slug



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

Left Out: -93.458+/-96.081 χ^2/NDF:28.0/18

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

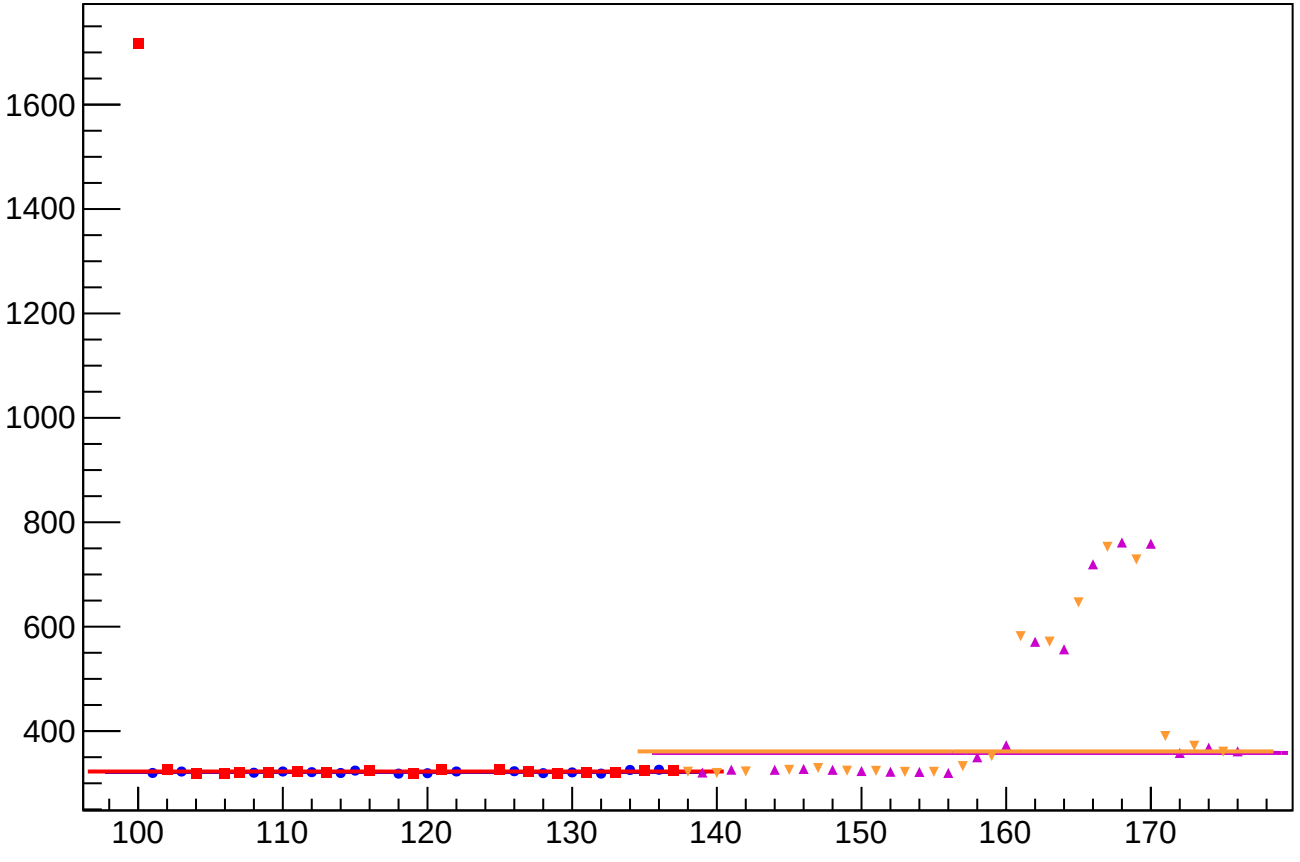
Left In: 141.110+/-93.707 χ^2/NDF:29.1/18

\+ sign -50.640+/-74.863 χ^2/NDF: 45.1/34

All: 23.692+/-52.510 χ^2/NDF: 92.7/71

\- sign 95.676+/-73.671 χ^2/NDF: 45.7/36

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 361.075+/-0.068 χ^2/NDF:1758912.9/18

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

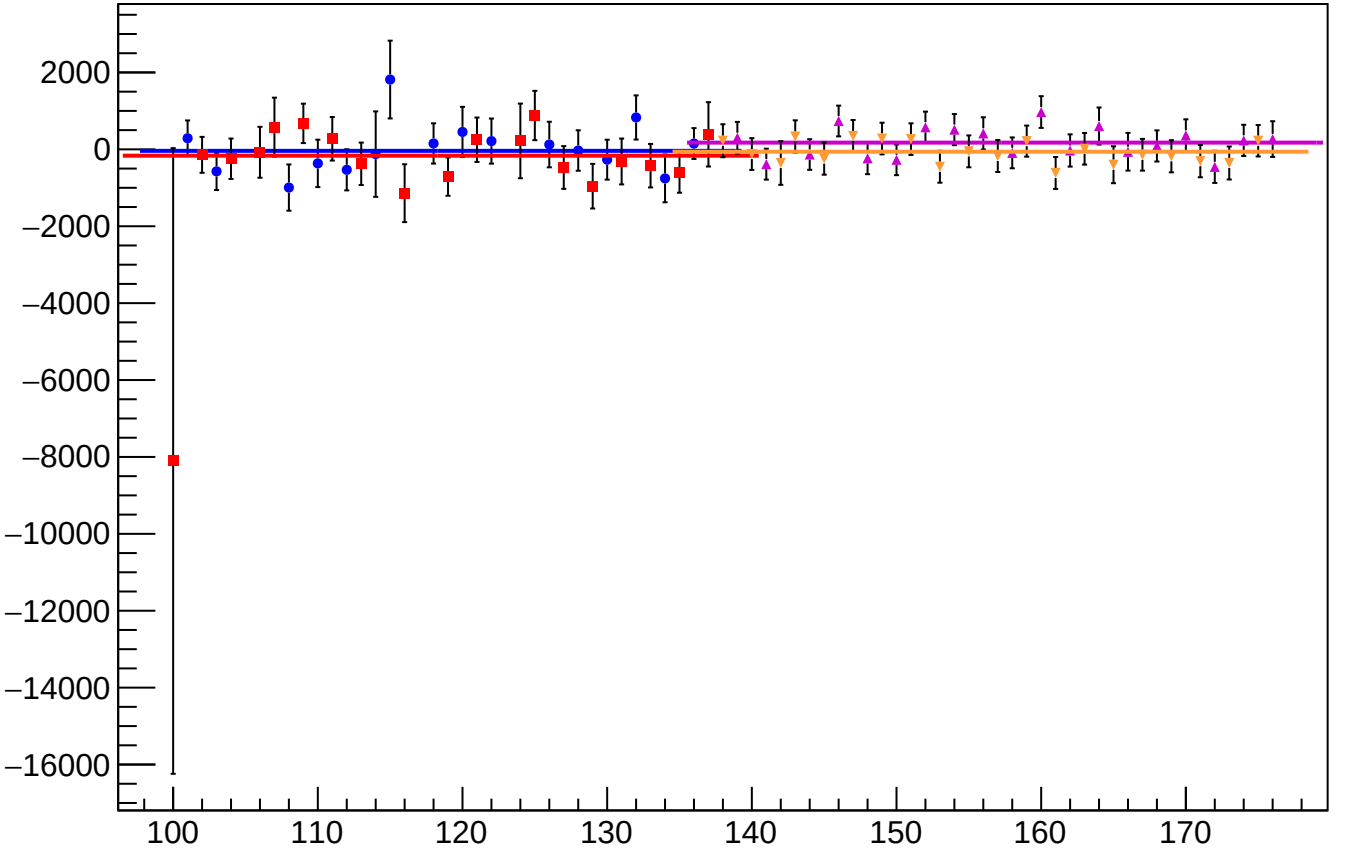
Left In: 358.133+/-0.066 χ^2/NDF:1781947.8/18

+ sign 345.567+/-0.053 χ^2/NDF: 1892356.9/34

All: 345.047+/-0.037 χ^2/NDF: 3881506.8/71

- sign 344.545+/-0.052 χ^2/NDF: 1988960.7/36

asym_dsr_mean vs Slug



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

Left Out: -61.502+/-94.646 χ^2/NDF:9.2/19

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

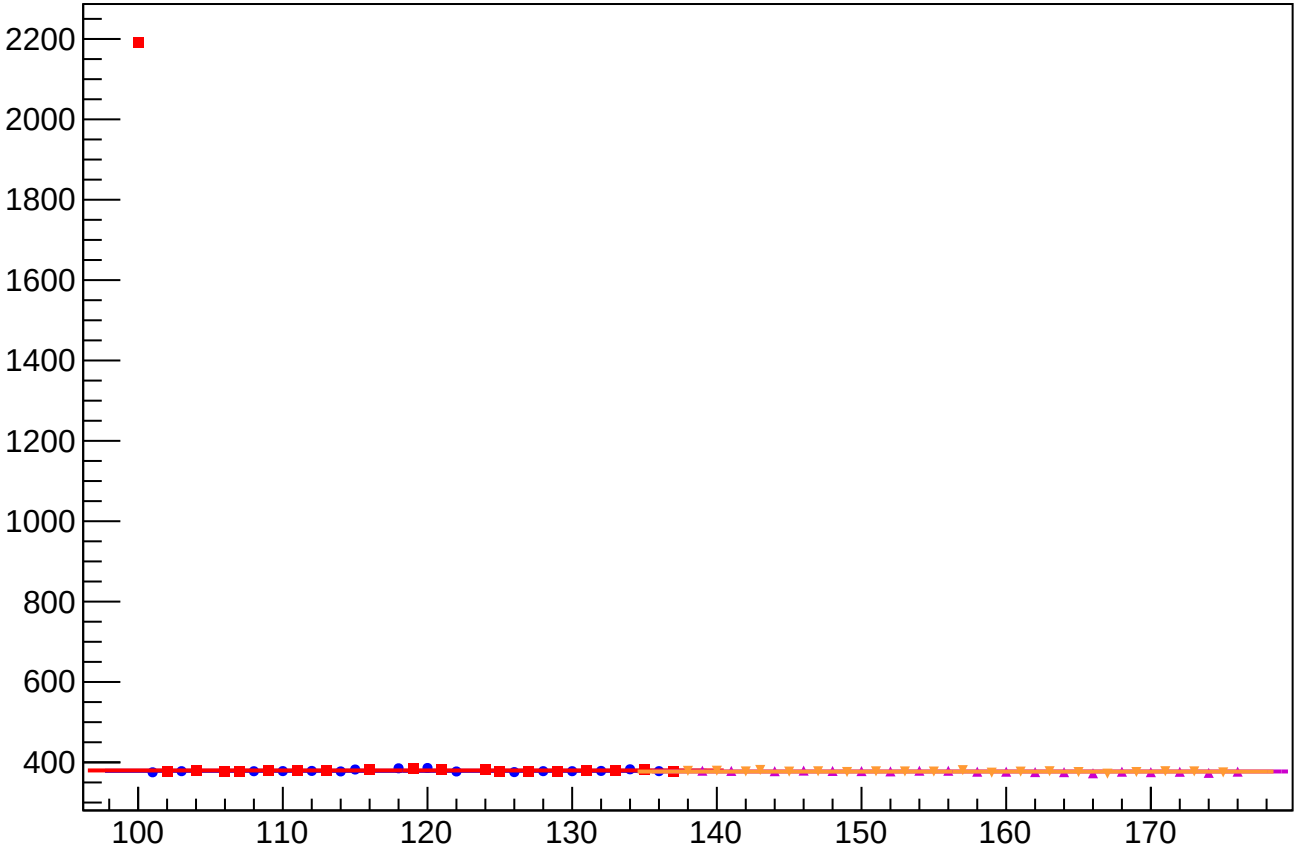
Left In: 174.946+/-95.713 χ^2/NDF:16.9/18

+ sign -54.467+/-78.535 χ^2/NDF: 23.0/35

All: 5.387+/-55.635 χ^2/NDF: 60.2/73

- sign 65.681+/-78.825 χ^2/NDF: 36.0/37

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.109+/-0.067 χ^2/NDF:940.9/19

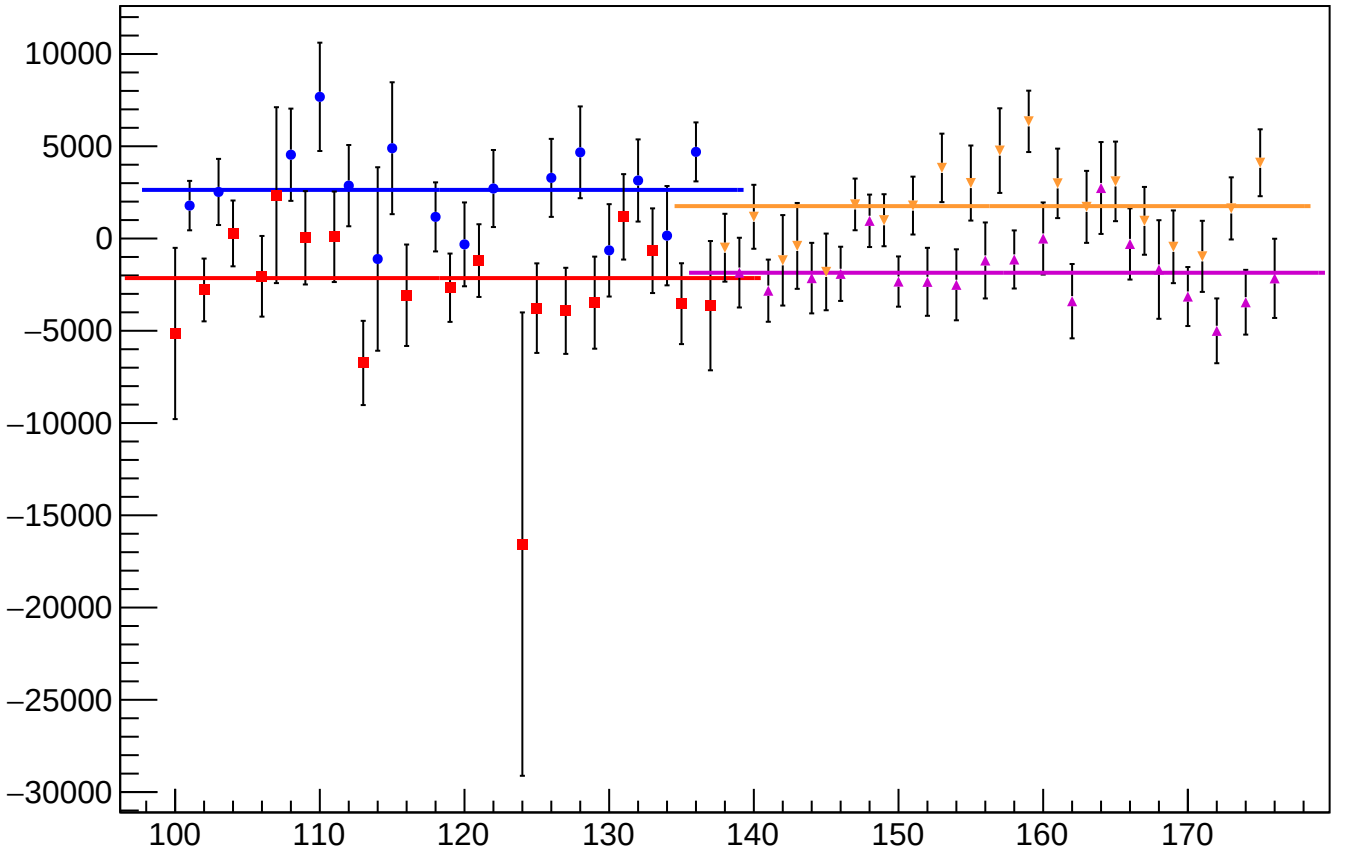
Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.310+/-0.068 χ^2/NDF:665.1/18

+ sign 377.670+/-0.056 χ^2/NDF: 2017.7/35

All: 377.902+/-0.039 χ^2/NDF: 102802.6/73

- sign 378.136+/-0.056 χ^2/NDF: 100749.8/37



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

Left Out: 1755.717+/-409.809 χ^2/NDF:24.1/19

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

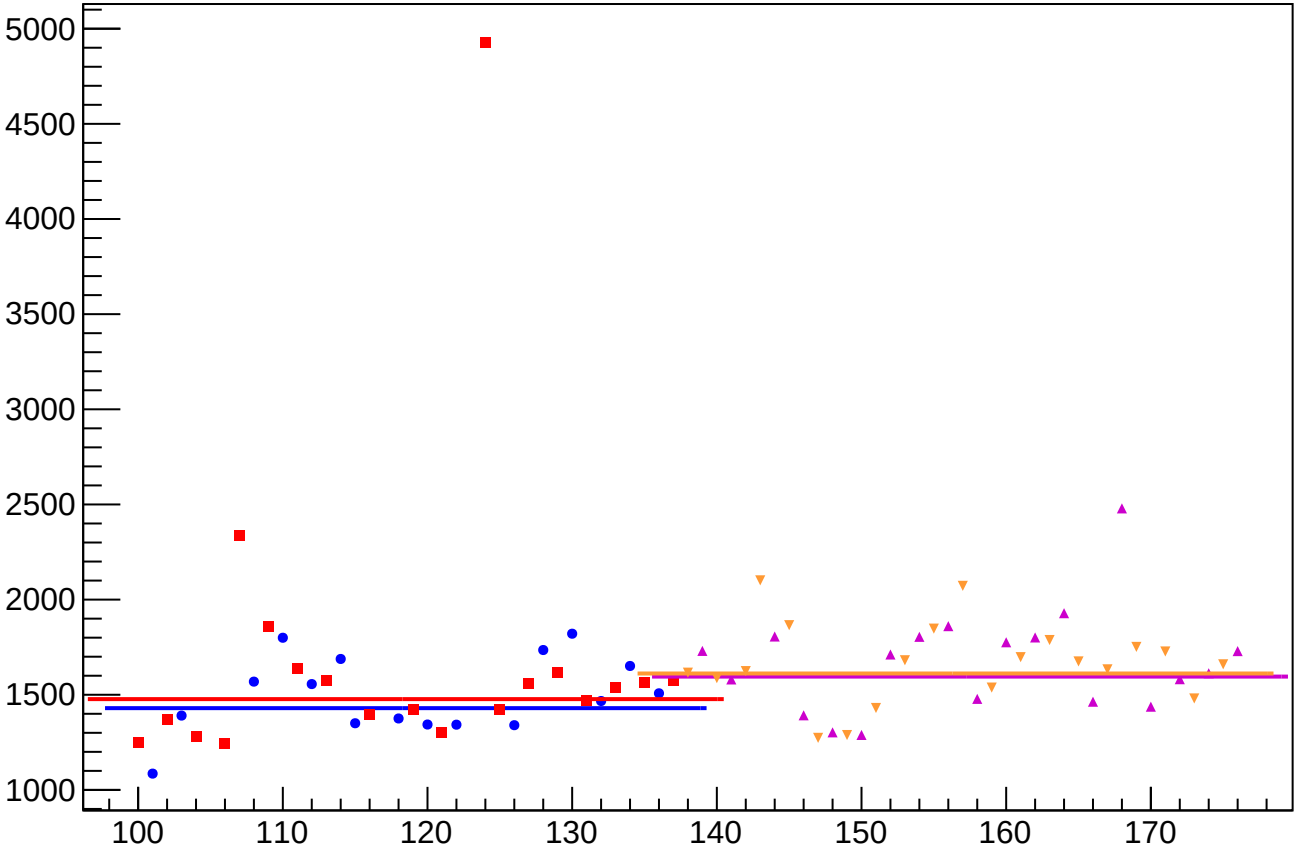
Left In: -1855.693+/-410.183 χ^2/NDF:15.2/18

+ sign 2078.691+/-326.010 χ^2/NDF: 38.0/35

All: 72.763+/-231.280 χ^2/NDF: 144.6/73

- sign -1959.675+/-328.158 χ^2/NDF: 30.4/37

asym_us_agg_avg_rms vs Slug



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

Left Out: 1611.725+/-0.290 χ^2/NDF:534835.8/19

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

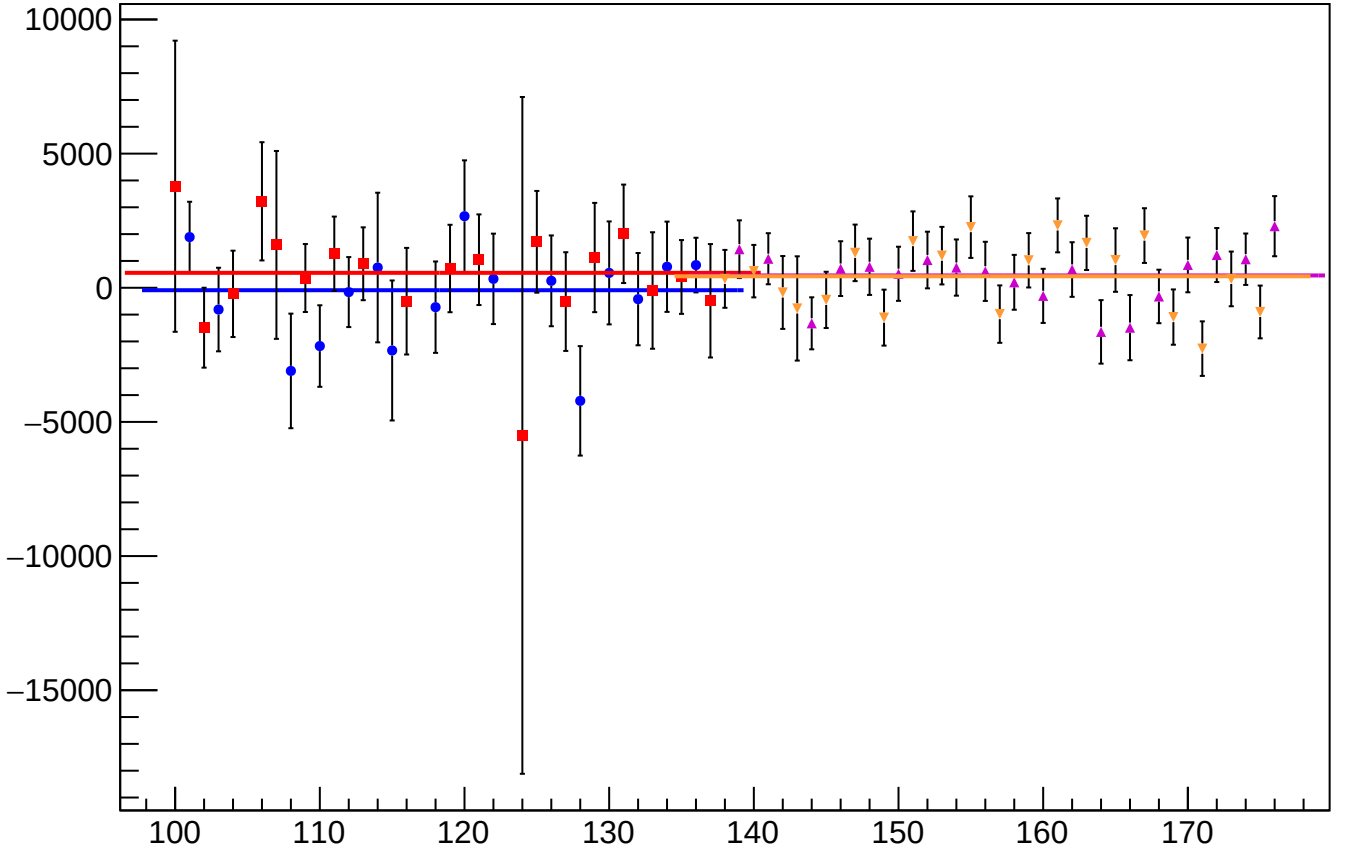
Left In: 1595.502+/-0.290 χ^2/NDF:664703.4/18

+ sign 1544.877+/-0.231 χ^2/NDF: 973165.5/35

All: 1548.858+/-0.164 χ^2/NDF: 2067858.9/73

- sign 1552.892+/-0.232 χ^2/NDF: 1094093.0/37

asym_us_agg_dd_mean vs Slug



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

Left Out: 427.960+/-240.551 χ^2/NDF:29.4/19

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

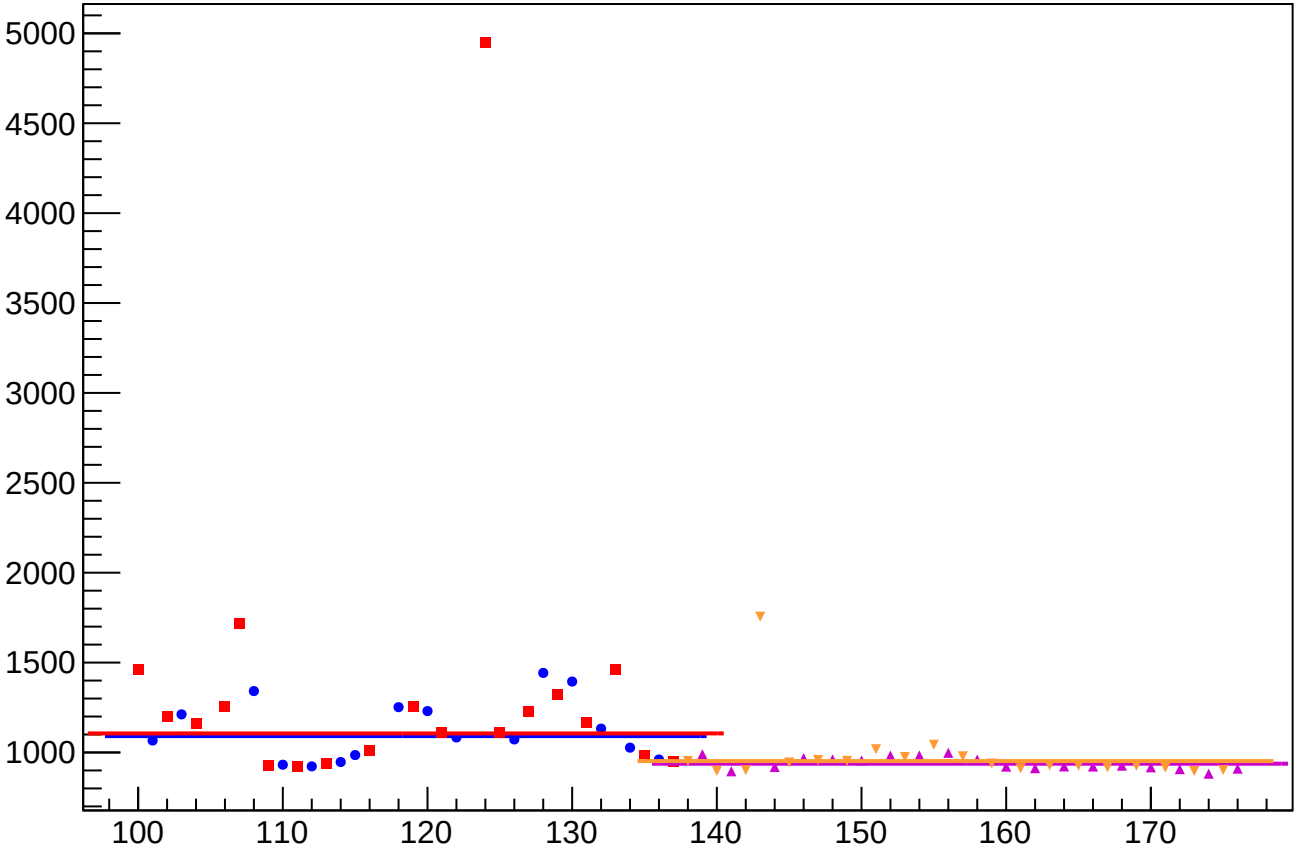
Left In: 459.454+/-238.030 χ^2/NDF:16.0/18

+ sign 294.966+/-207.472 χ^2/NDF: 45.1/35

All: 390.087+/-146.190 χ^2/NDF: 68.3/73

- sign 483.883+/-206.023 χ^2/NDF: 22.8/37

asym_us_agg_dd_rms vs Slug



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

Left Out: 952.245+/-0.170 χ^2/NDF:395189.2/19

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

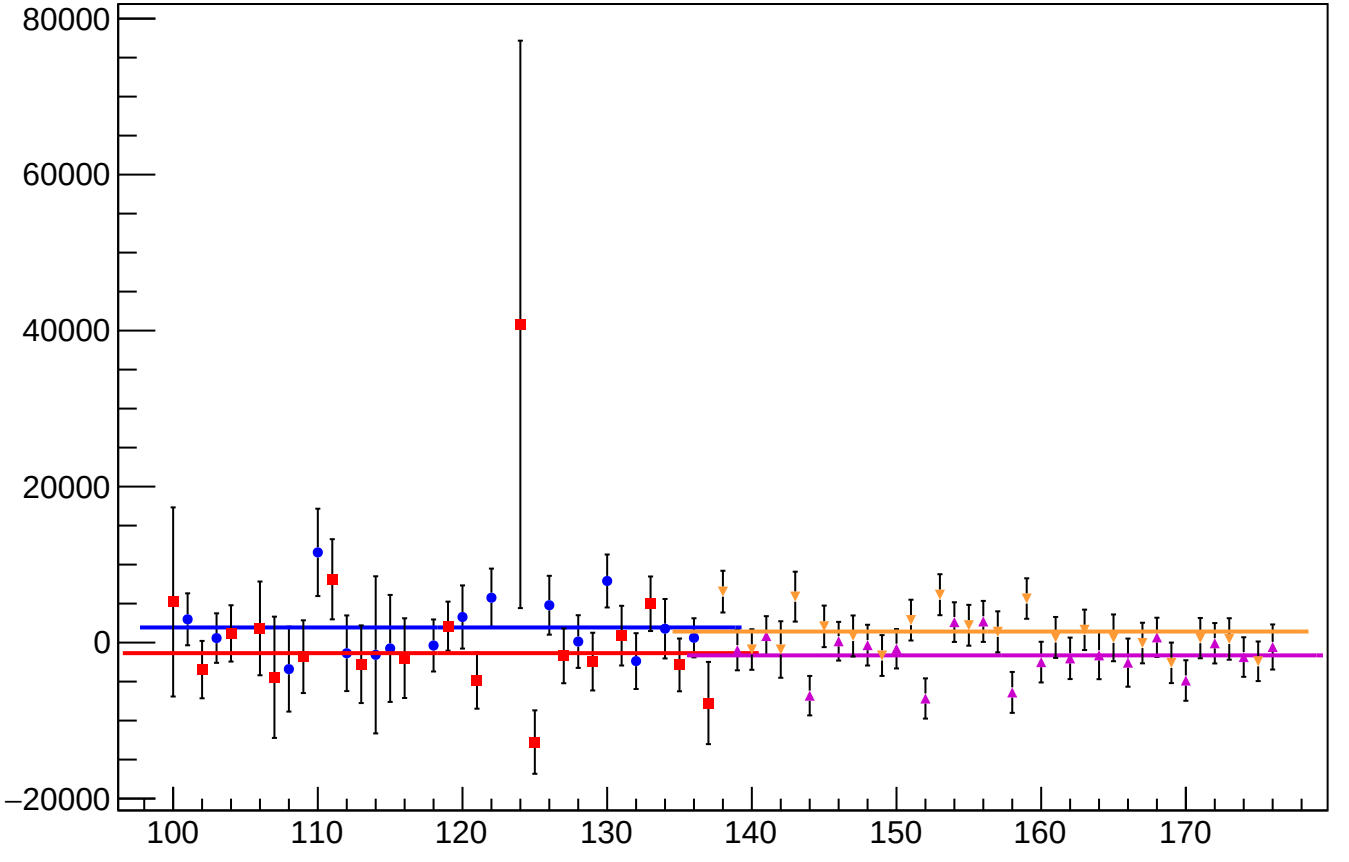
Left In: 937.600+/-0.168 χ^2/NDF:40532.5/18

+ sign 987.793+/-0.147 χ^2/NDF: 843029.0/35

All: 983.796+/-0.103 χ^2/NDF: 1650382.7/73

- sign 979.855+/-0.146 χ^2/NDF: 805879.6/37

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1417.335+/-600.737 χ^2/NDF:20.0/19

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

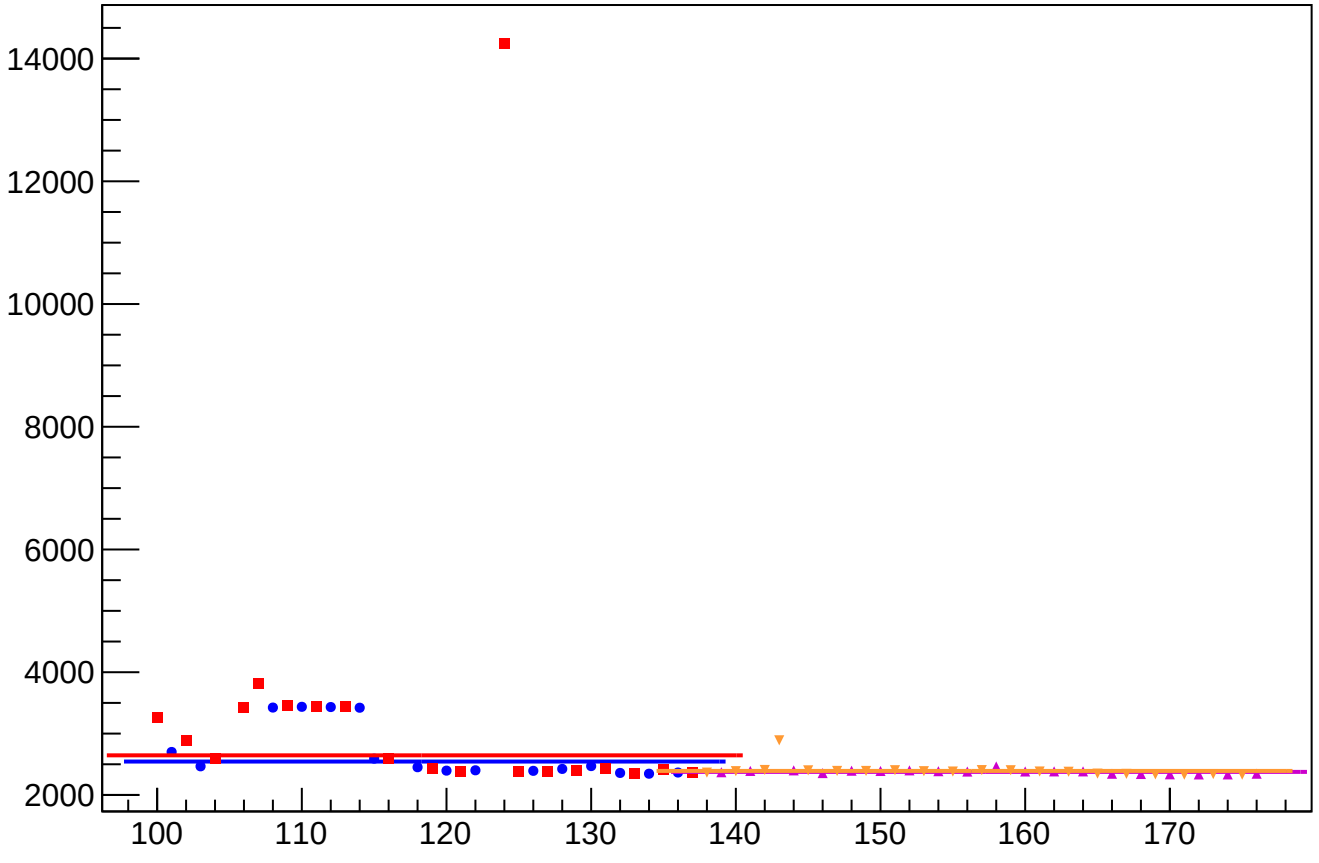
Left In: -1638.462+/-602.671 χ^2/NDF:22.6/18

+ sign 1565.968+/-508.125 χ^2/NDF: 32.4/35

All: 20.831+/-361.391 χ^2/NDF: 95.6/73

- sign -1560.836+/-514.096 χ^2/NDF: 44.5/37

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2391.662+/-0.425 χ^2/NDF:54218.5/19

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

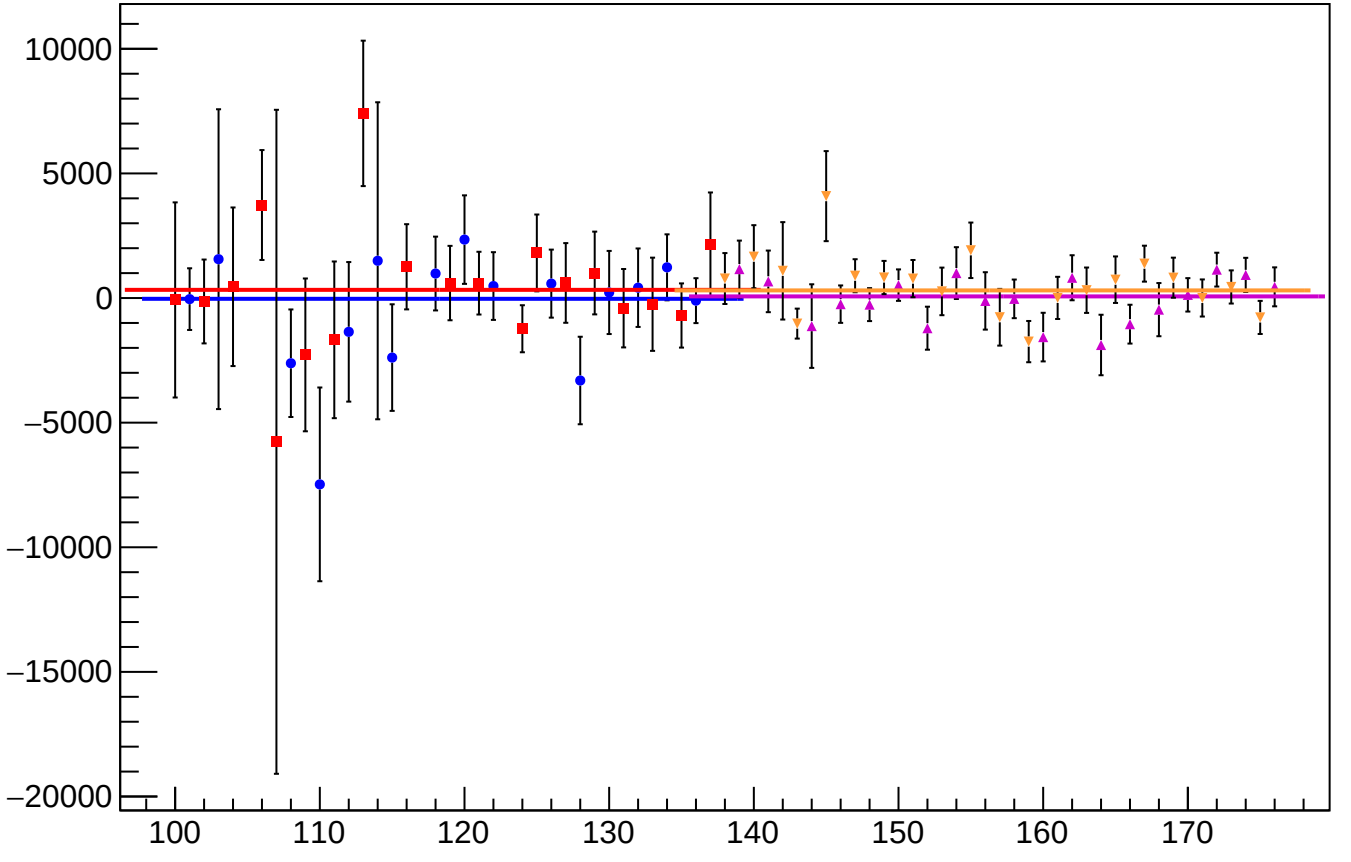
Left In: 2375.743+/-0.426 χ^2/NDF:5368.2/18

+ sign 2435.130+/-0.359 χ^2/NDF: 316630.5/35

All: 2442.107+/-0.256 χ^2/NDF: 968971.2/73

- sign 2449.249+/-0.364 χ^2/NDF: 651577.6/37

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 306.395+/-185.906 χ^2/NDF:27.6/19

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

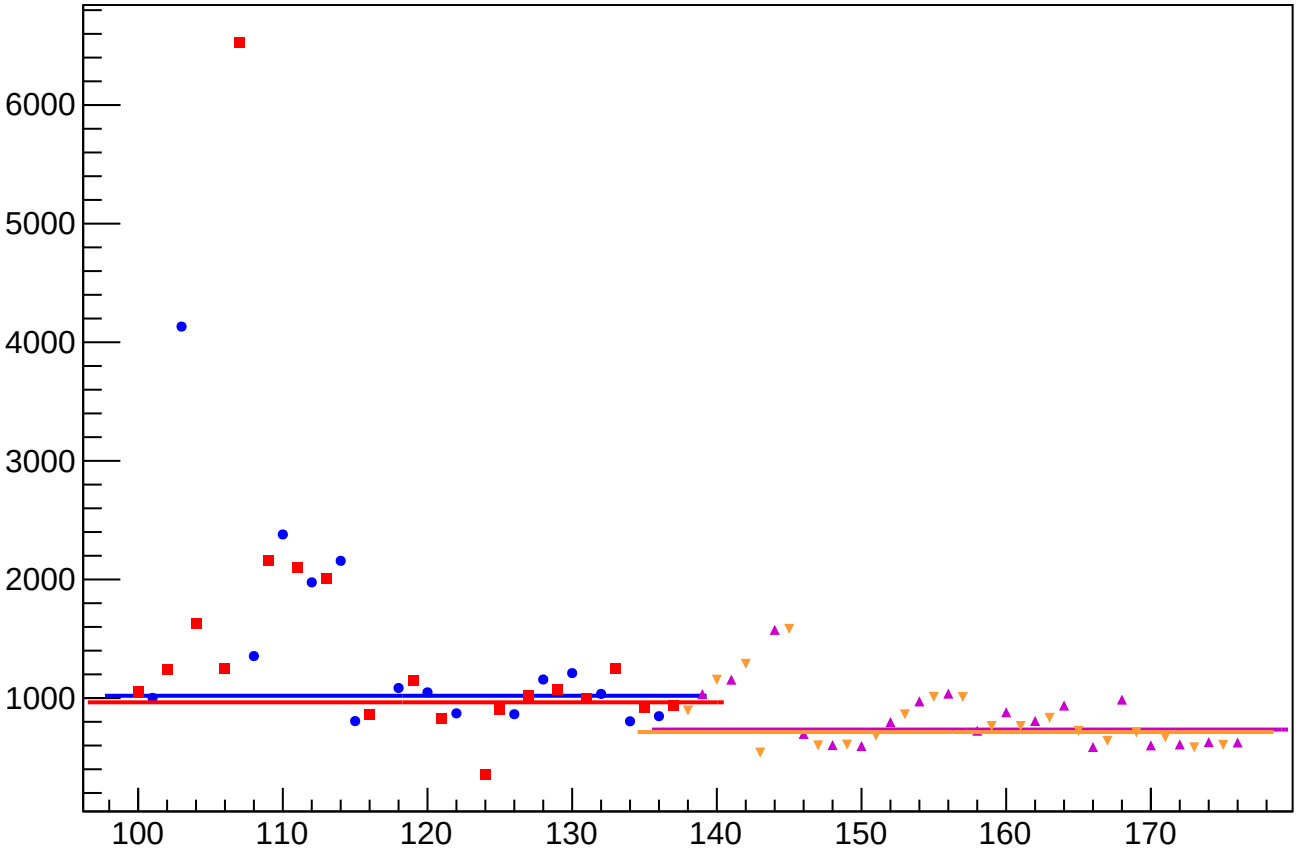
Left In: 65.674+/-193.608 χ^2/NDF:18.3/18

+ sign 247.817+/-169.009 χ^2/NDF: 41.9/35

All: 183.807+/-121.284 χ^2/NDF: 76.6/73

- sign 115.846+/-174.149 χ^2/NDF: 34.3/37

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 713.605+/-0.131 χ^2/NDF:1752684.4/19

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

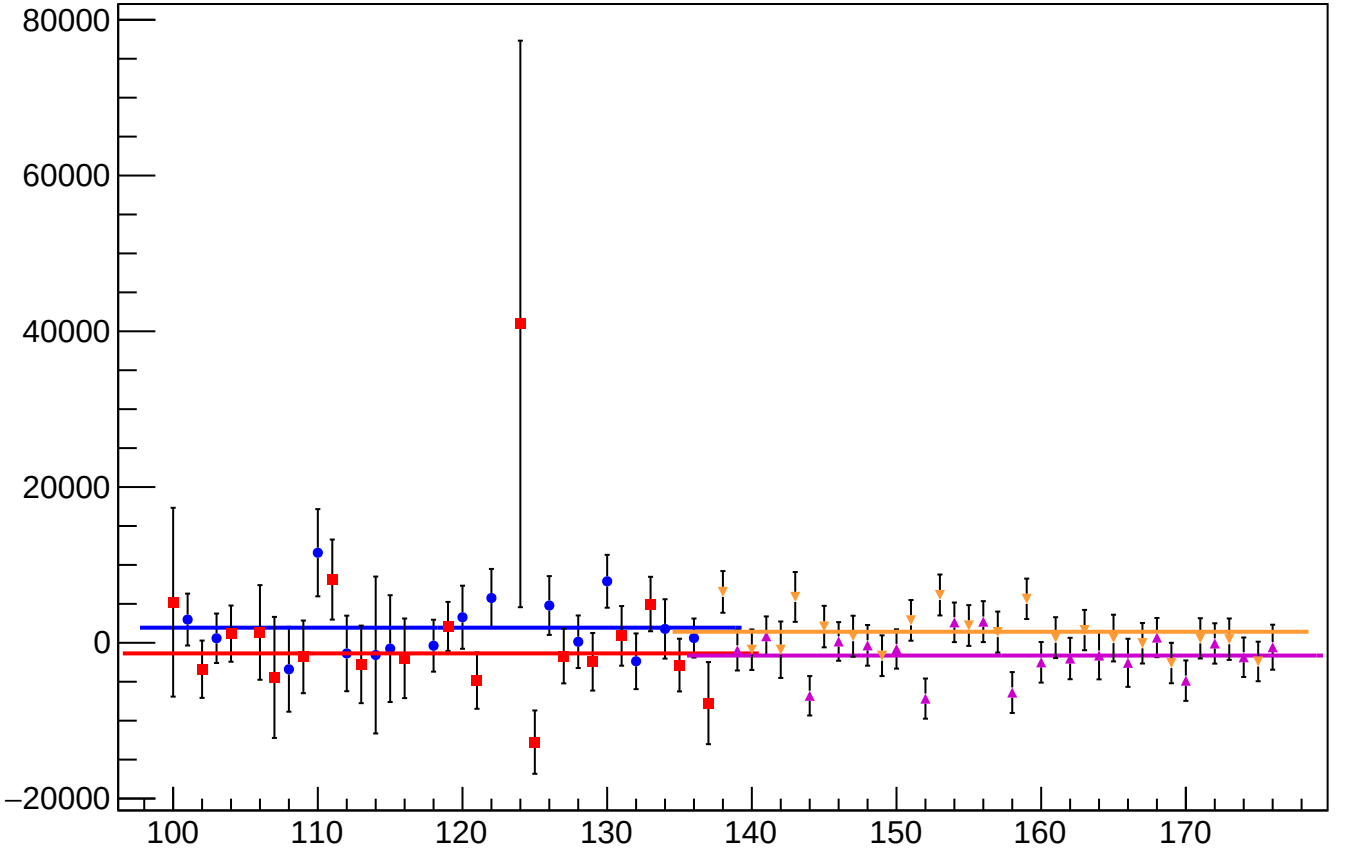
Left In: 734.700+/-0.137 χ^2/NDF:1834627.7/18

+ sign 766.689+/-0.120 χ^2/NDF: 4057163.1/35

All: 772.441+/-0.086 χ^2/NDF: 8743285.2/73

- sign 778.548+/-0.123 χ^2/NDF: 4681345.2/37

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1417.291+/-600.737 χ^2/NDF:20.0/19

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

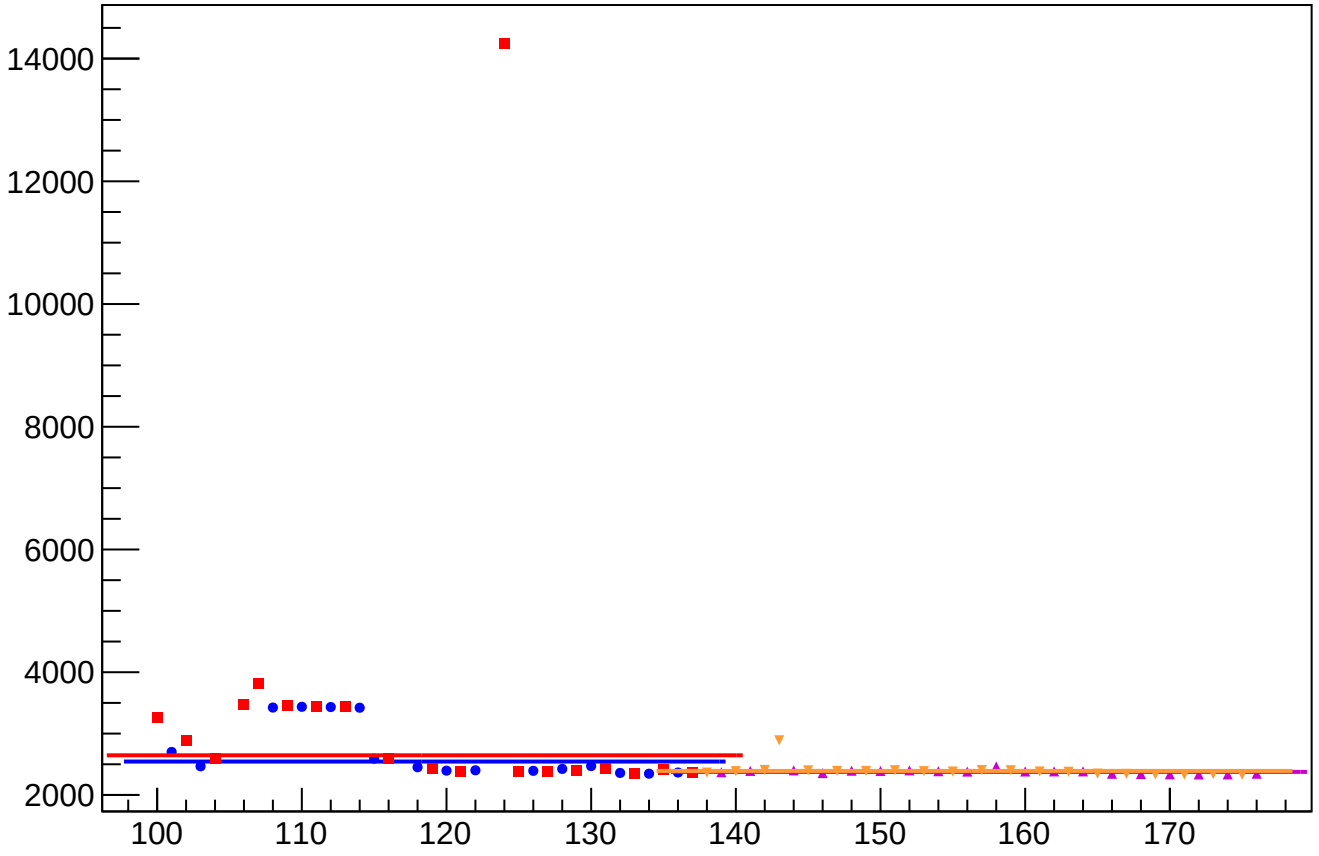
Left In: -1638.538+/-602.671 χ^2/NDF:22.6/18

+ sign 1566.036+/-508.125 χ^2/NDF: 32.4/35

All: 19.651+/-361.406 χ^2/NDF: 95.5/73

- sign -1563.555+/-514.139 χ^2/NDF: 44.4/37

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2391.662+/-0.425 χ^2/NDF:54218.5/19

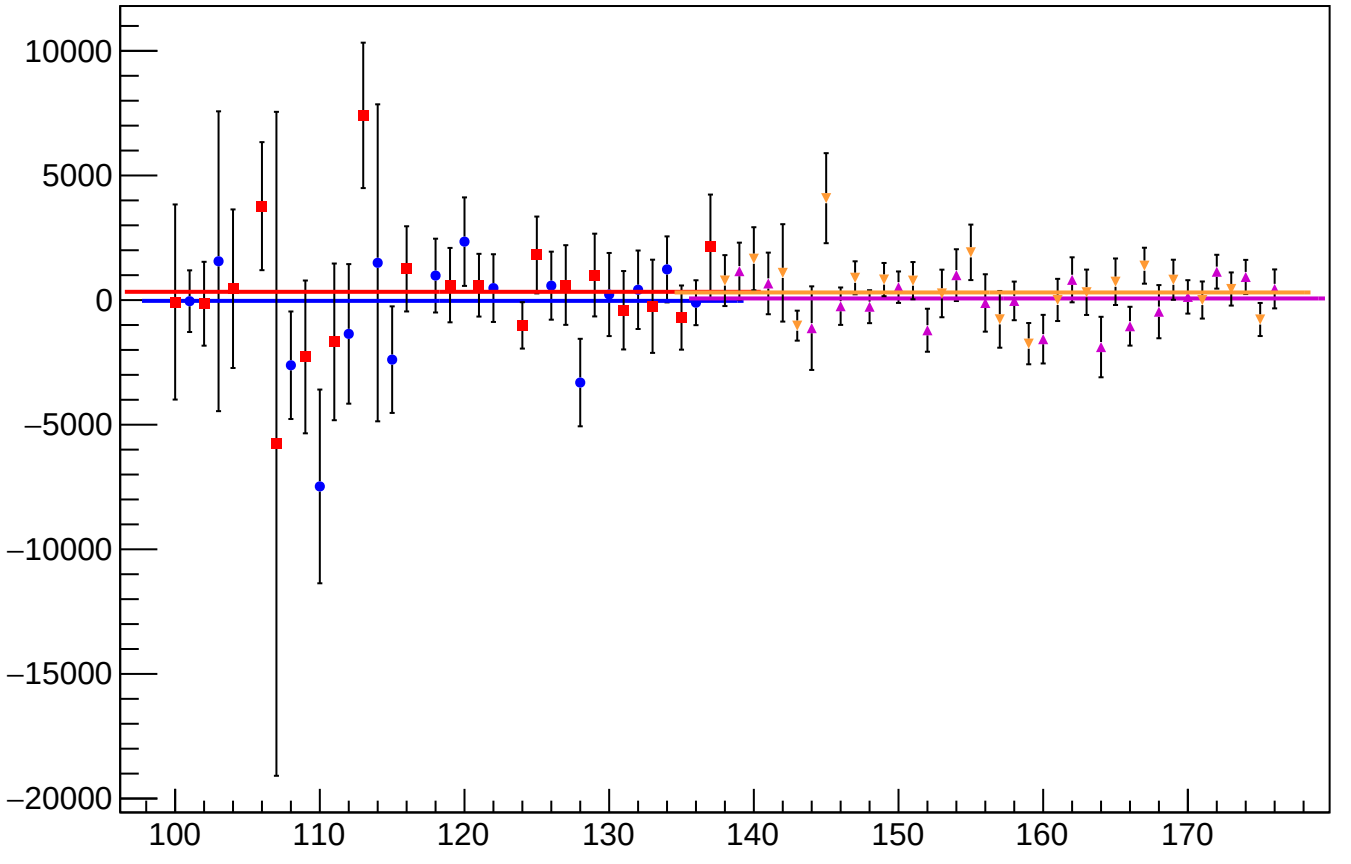
Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2375.743+/-0.426 χ^2/NDF:5368.2/18

\+ sign 2435.130+/-0.359 χ^2/NDF: 316630.5/35

All: 2442.165+/-0.256 χ^2/NDF: 971967.6/73

\- sign 2449.367+/-0.364 χ^2/NDF: 654561.3/37



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 306.379+/-185.907 χ^2/NDF:27.6/19

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

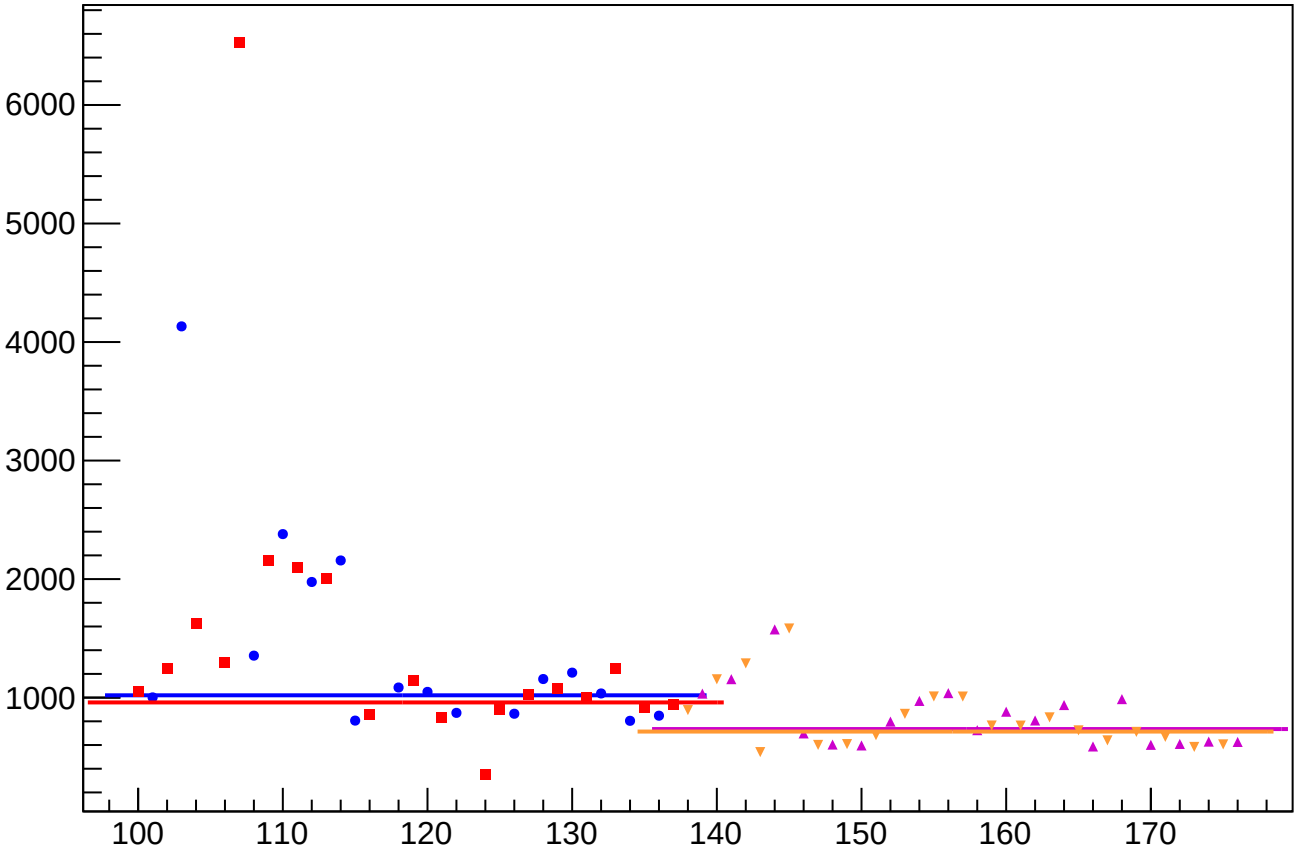
Left In: 65.559+/-193.608 χ^2/NDF:18.3/18

\+ sign 247.792+/-169.009 χ^2/NDF: 41.9/35

All: 184.020+/-121.305 χ^2/NDF: 75.3/73

\- sign 116.261+/-174.213 χ^2/NDF: 33.1/37

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.606+/-0.131 χ^2/NDF:1752774.4/19

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

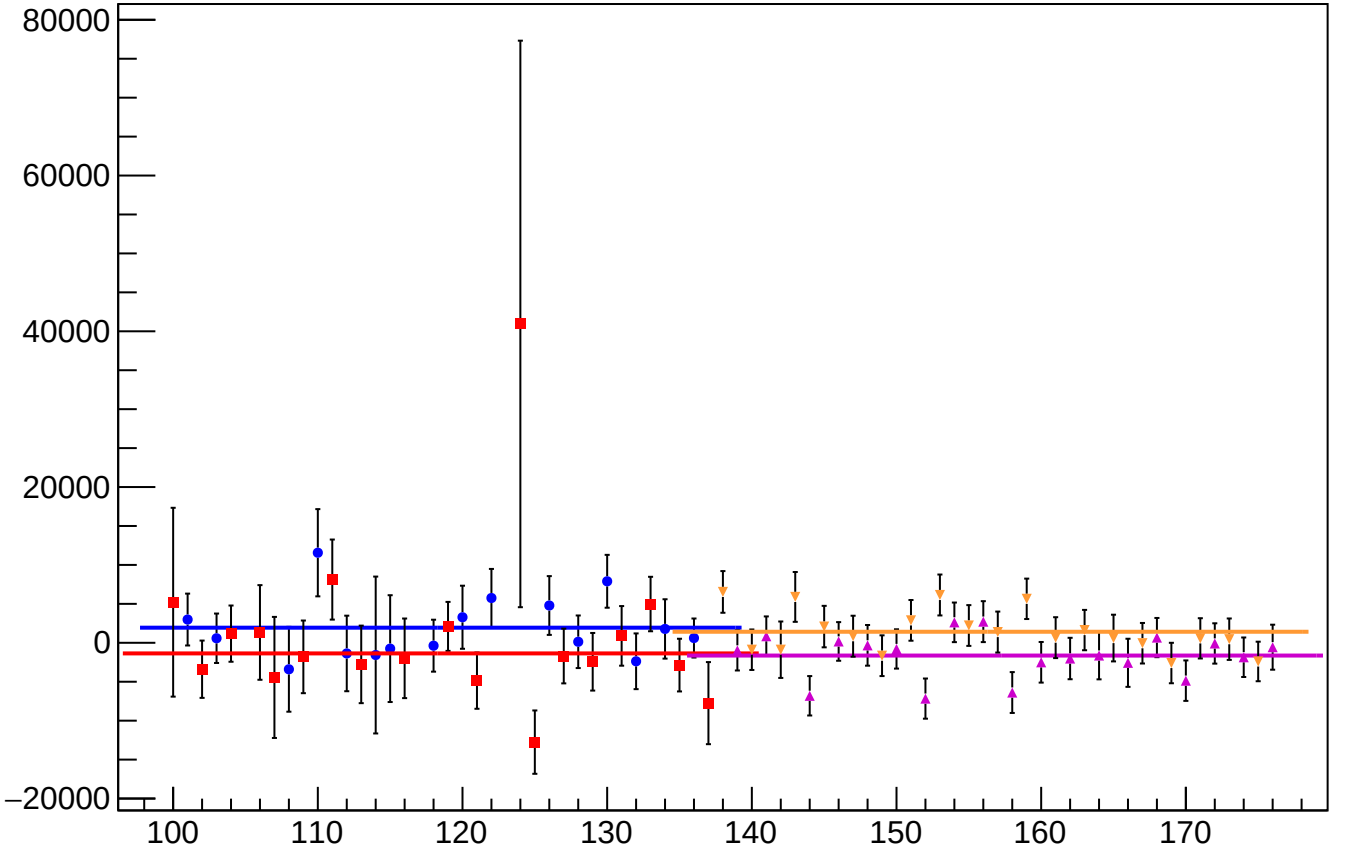
Left In: 734.701+/-0.137 χ^2/NDF:1834763.1/18

+ sign 766.689+/-0.120 χ^2/NDF: 4057200.2/35

All: 771.909+/-0.086 χ^2/NDF: 8752788.5/73

- sign 777.455+/-0.123 χ^2/NDF: 4691653.0/37

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1417.291+/-600.737 χ^2/NDF:20.0/19

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

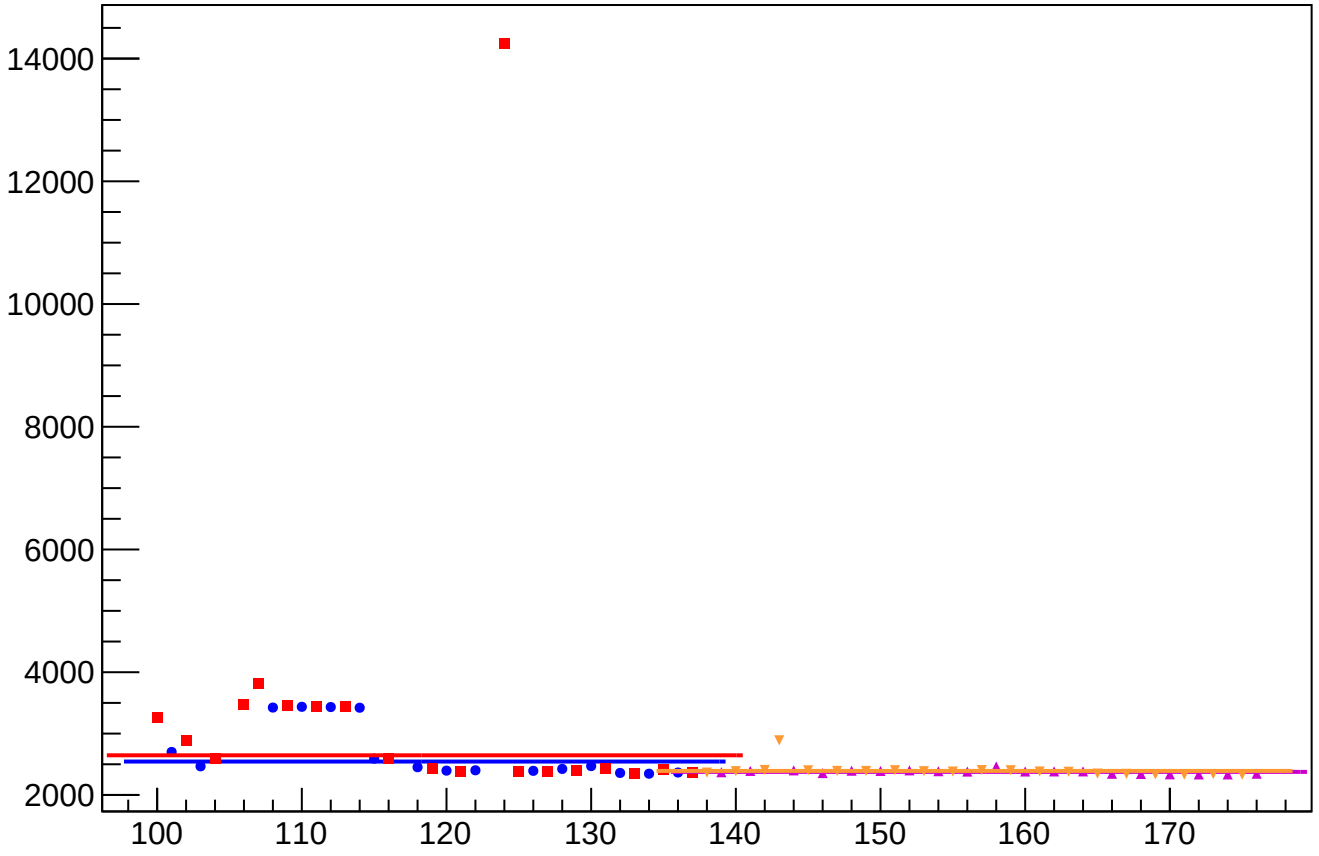
Left In: -1638.538+/-602.671 χ^2/NDF:22.6/18

+ sign 1566.036+/-508.125 χ^2/NDF: 32.4/35

All: 19.651+/-361.406 χ^2/NDF: 95.5/73

- sign -1563.555+/-514.139 χ^2/NDF: 44.4/37

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2391.662+/-0.425 χ^2/NDF:54218.5/19

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

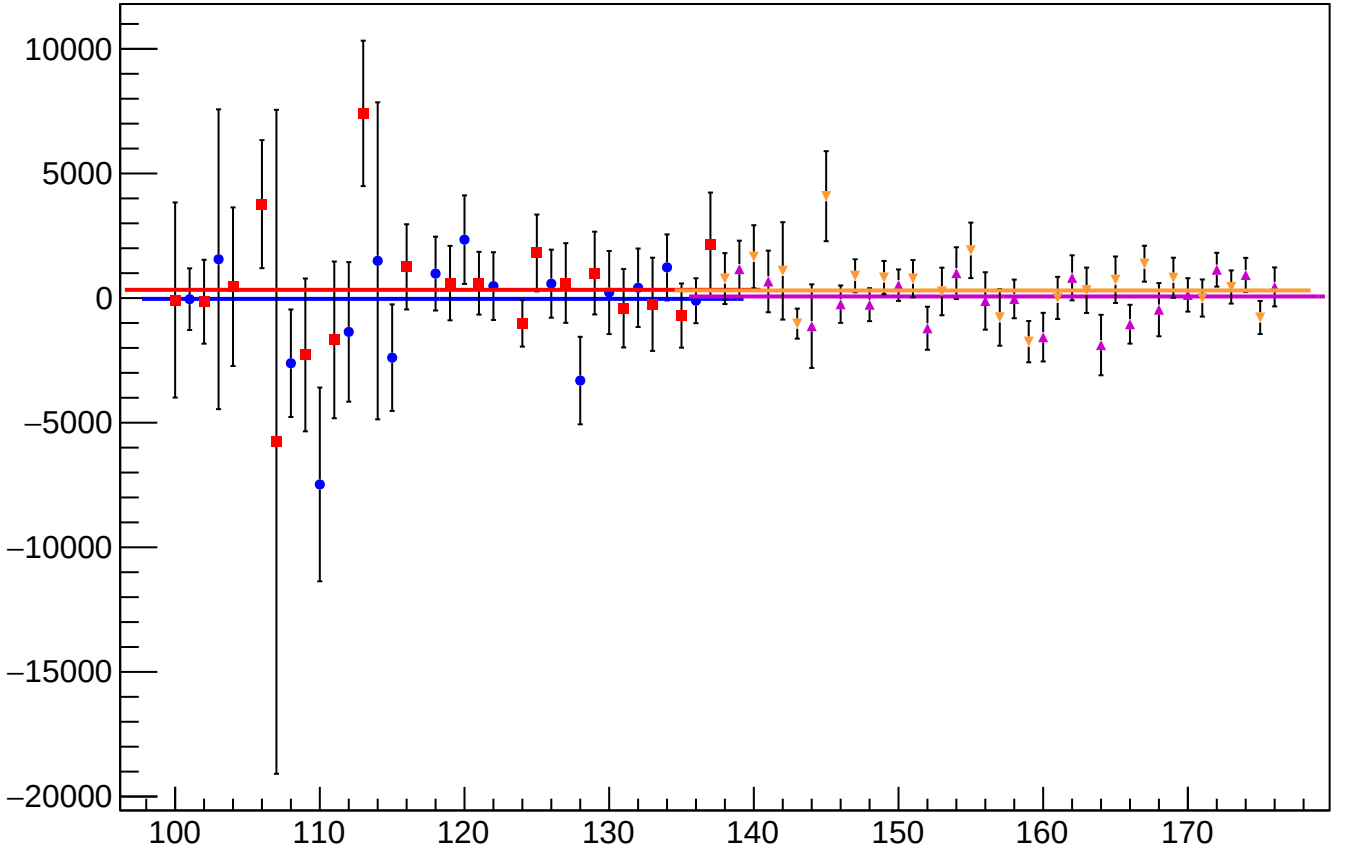
Left In: 2375.743+/-0.426 χ^2/NDF:5368.2/18

+ sign 2435.130+/-0.359 χ^2/NDF: 316630.5/35

All: 2442.165+/-0.256 χ^2/NDF: 971967.6/73

- sign 2449.367+/-0.364 χ^2/NDF: 654561.3/37

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 306.379+/-185.907 χ^2/NDF:27.6/19

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

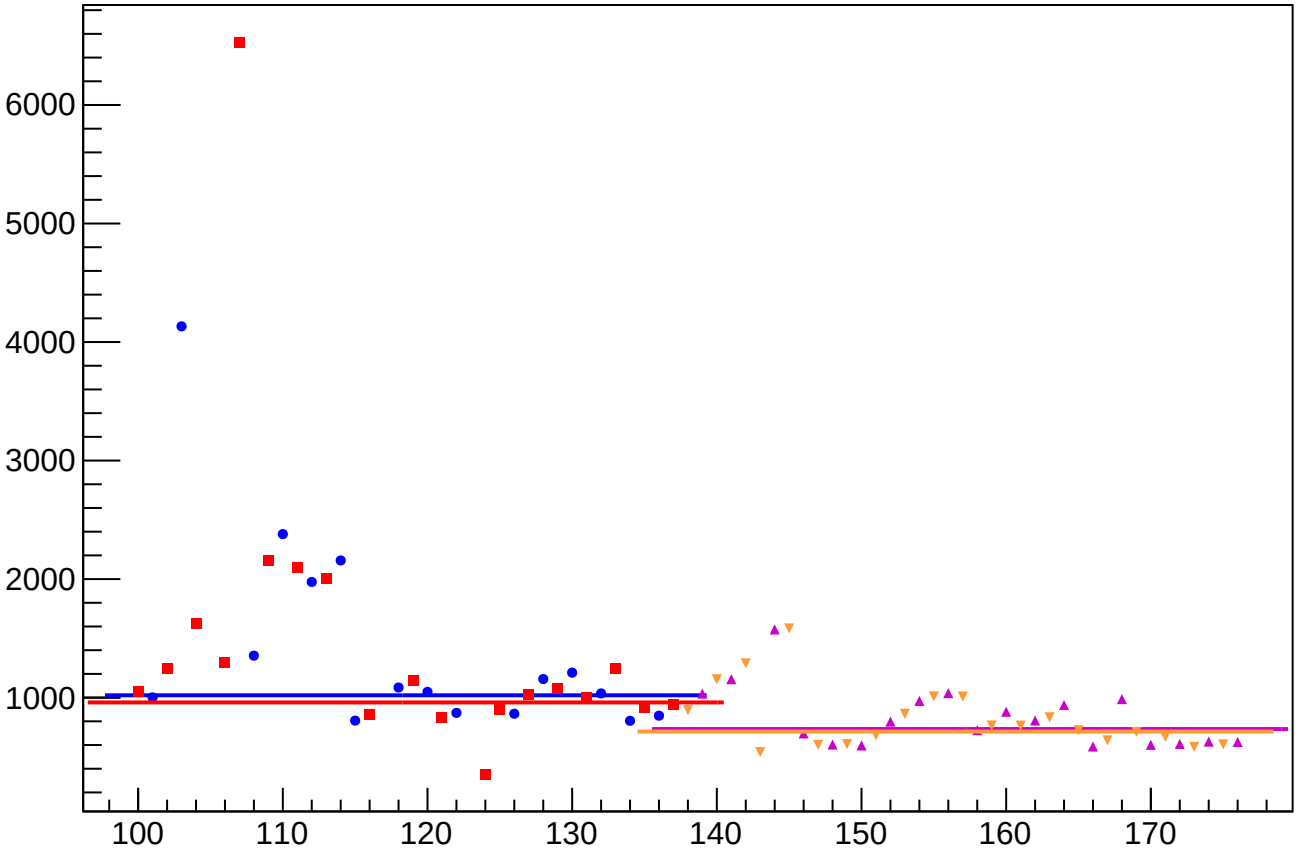
Left In: 65.559+/-193.608 χ^2/NDF:18.3/18

+ sign 247.792+/-169.009 χ^2/NDF: 41.9/35

All: 184.020+/-121.305 χ^2/NDF: 75.3/73

- sign 116.261+/-174.213 χ^2/NDF: 33.1/37

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.606+/-0.131 χ^2/NDF:1752774.4/19

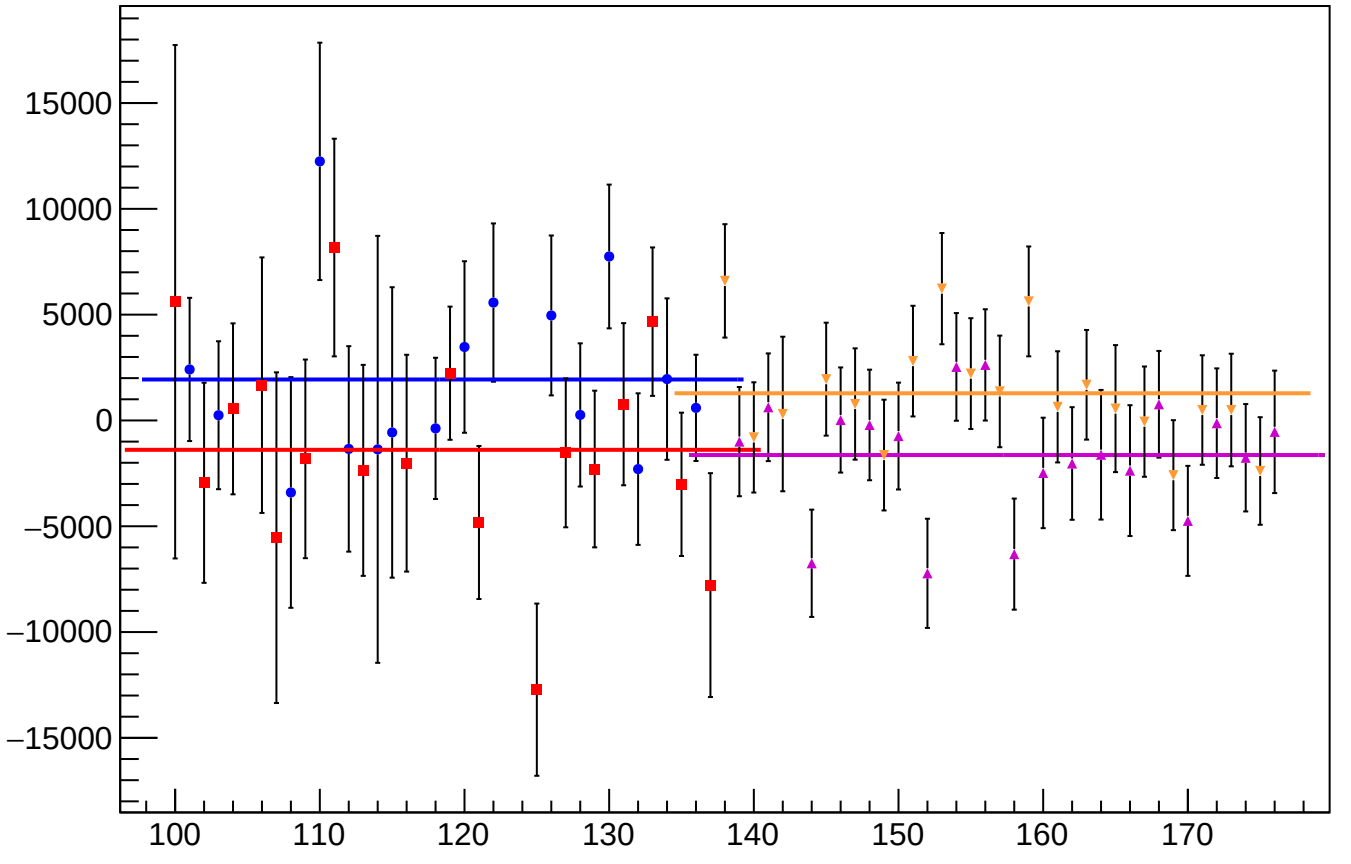
Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 734.701+/-0.137 χ^2/NDF:1834763.1/18

+ sign 766.689+/-0.120 χ^2/NDF: 4057200.2/35

All: 771.909+/-0.086 χ^2/NDF: 8752788.5/73

- sign 777.455+/-0.123 χ^2/NDF: 4691653.0/37



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1284.346+/-612.308 χ^2/NDF:17.7/18

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

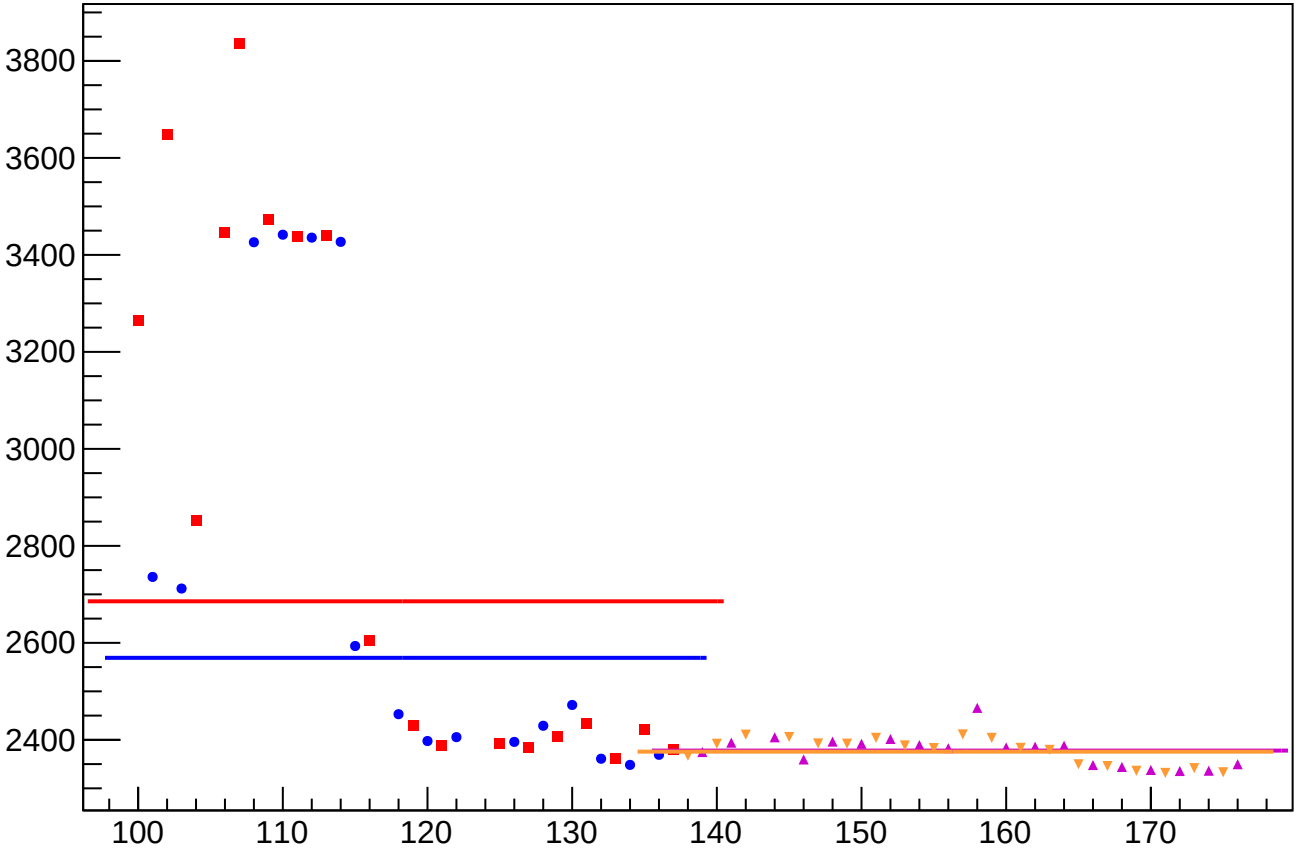
Left In: -1633.979+/-603.205 χ^2/NDF:22.0/18

+ sign 1472.139+/-516.600 χ^2/NDF: 30.4/34

All: -45.088+/-365.699 χ^2/NDF: 89.4/71

- sign -1569.105+/-517.754 χ^2/NDF: 41.8/36

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2375.669+/-0.433 χ^2/NDF:3957.4/18

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

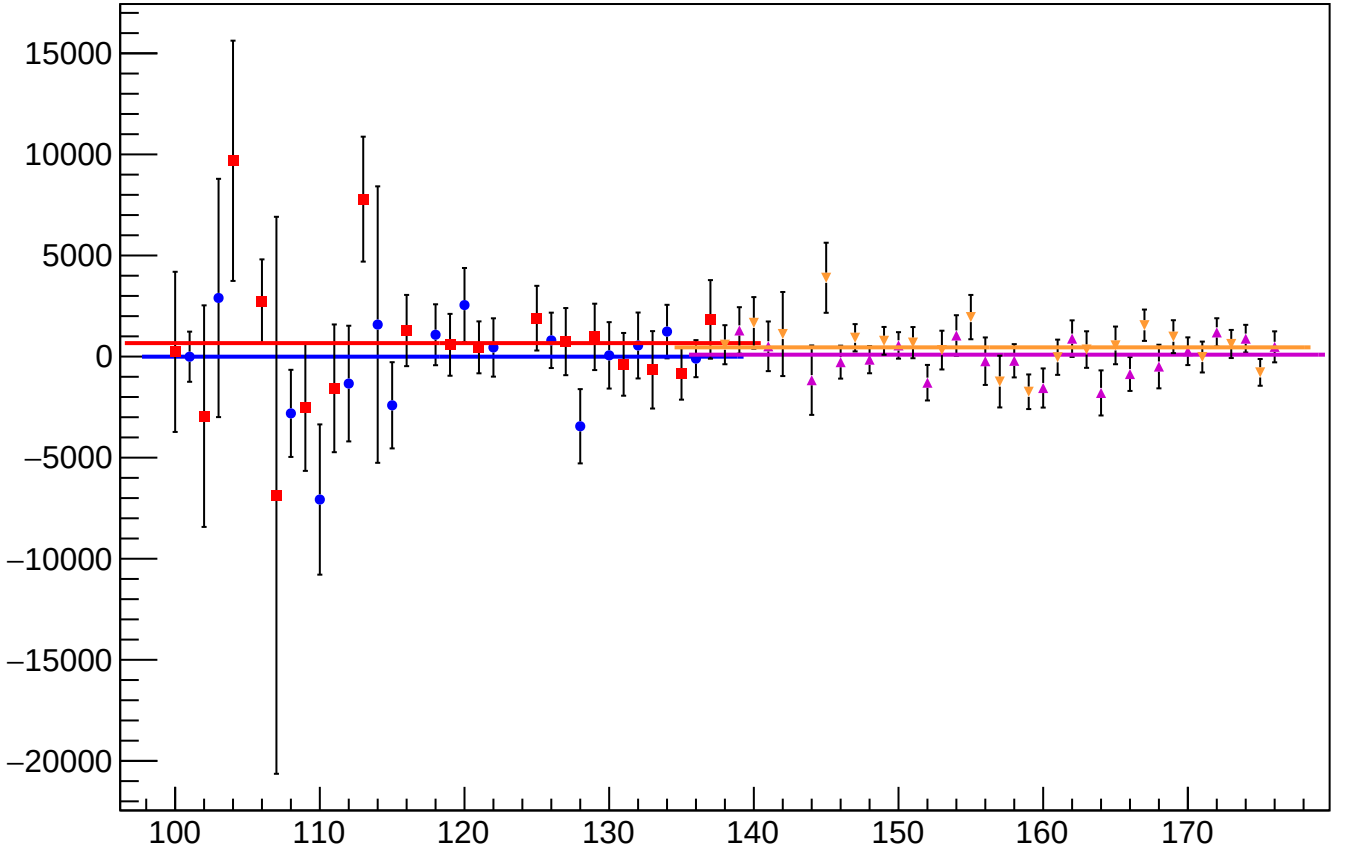
Left In: 2377.837+/-0.427 χ^2/NDF:5385.2/18

+ sign 2431.421+/-0.365 χ^2/NDF: 290981.3/34

All: 2445.118+/-0.259 χ^2/NDF: 855574.8/71

- sign 2458.877+/-0.366 χ^2/NDF: 561775.2/36

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 456.609+/-199.708 χ^2/NDF:22.7/18

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

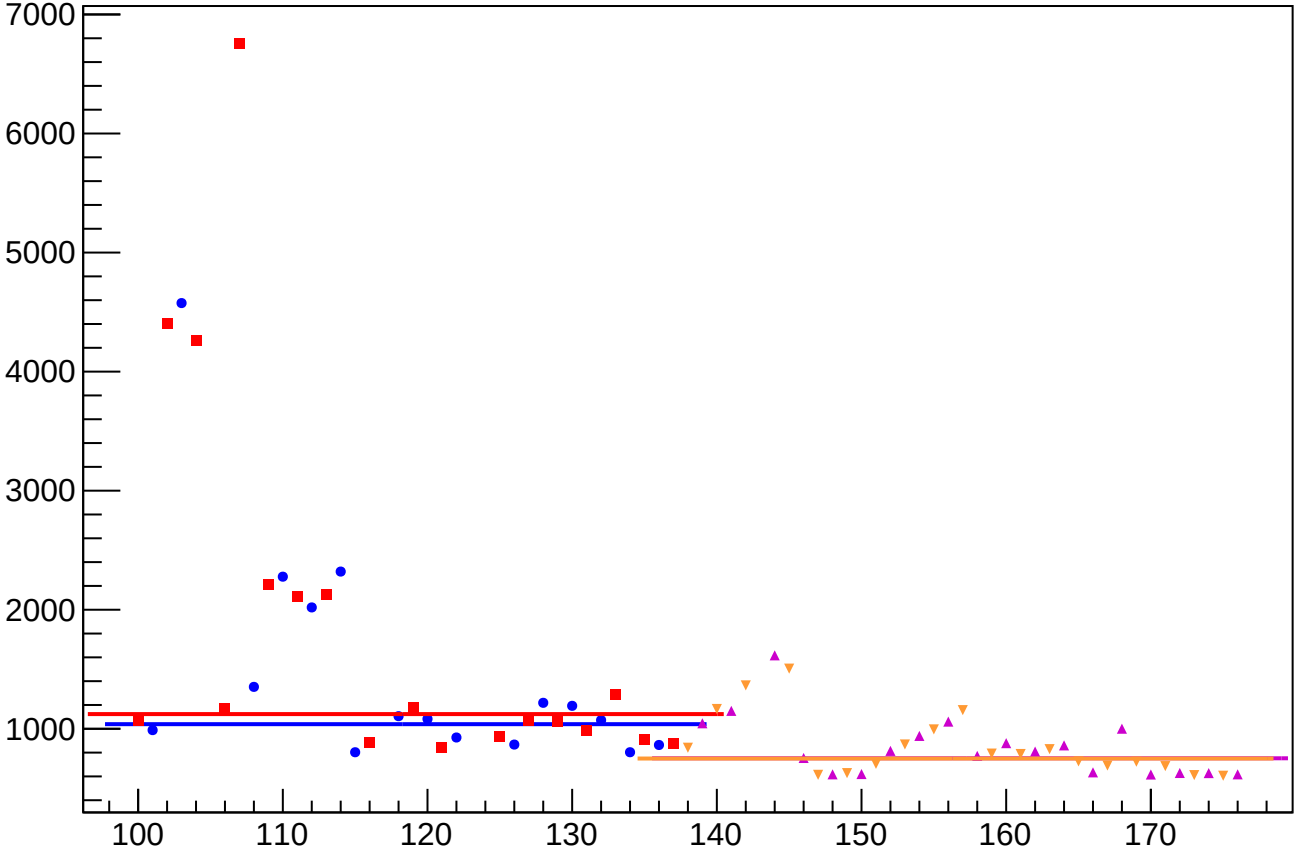
Left In: 93.525+/-197.359 χ^2/NDF:18.5/18

\+ sign 368.837+/-179.729 χ^2/NDF: 38.2/34

All: 276.456+/-127.675 χ^2/NDF: 72.9/71

\- sign 182.347+/-181.402 χ^2/NDF: 34.1/36

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 750.211+/-0.141 χ^2/NDF:1497424.5/18

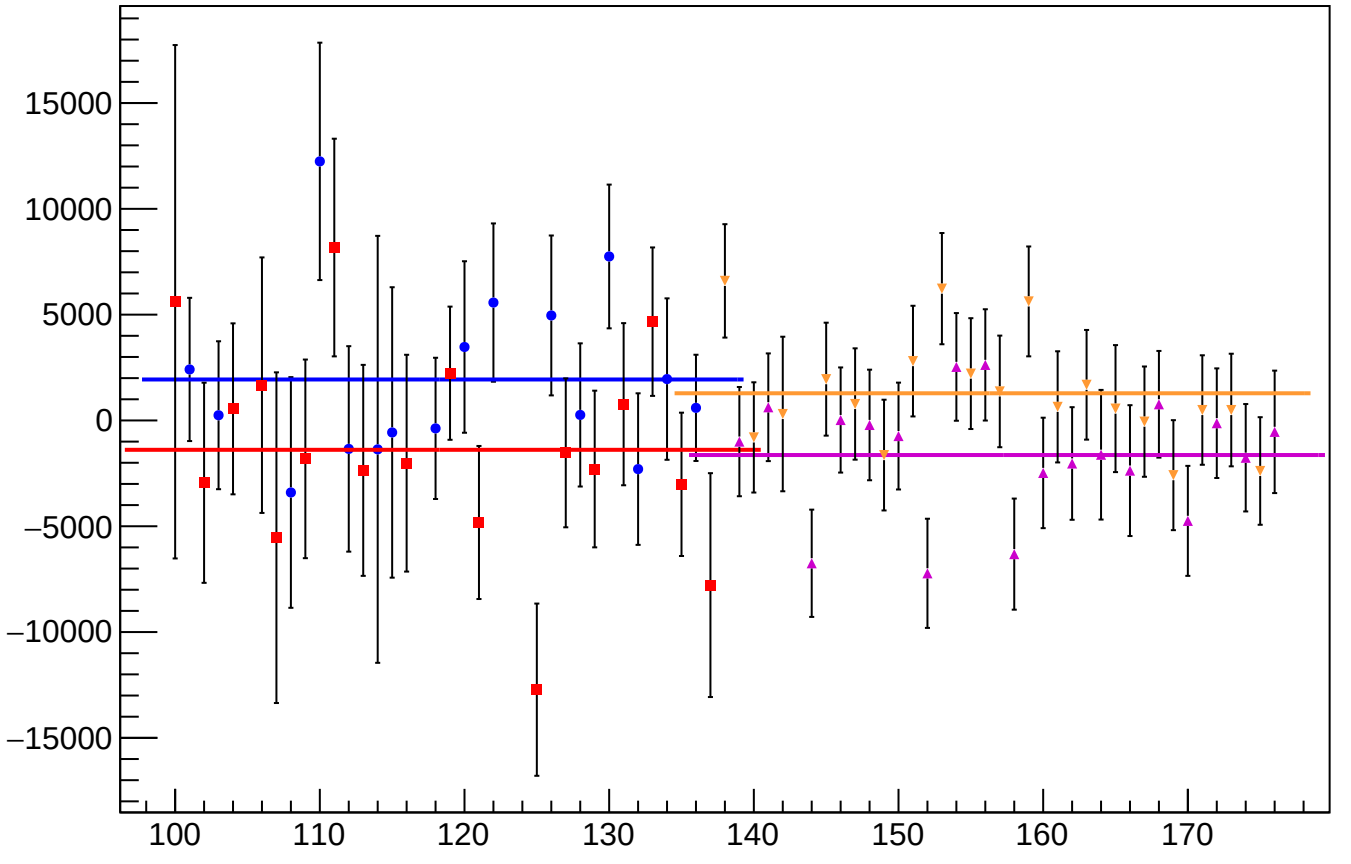
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 752.253+/-0.140 χ^2/NDF:1705168.4/18

+ sign 805.065+/-0.127 χ^2/NDF: 3830983.1/34

All: 807.438+/-0.090 χ^2/NDF: 9170316.4/71

- sign 809.855+/-0.128 χ^2/NDF: 5338629.6/36



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1284.346+/-612.308 χ^2/NDF:17.7/18

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

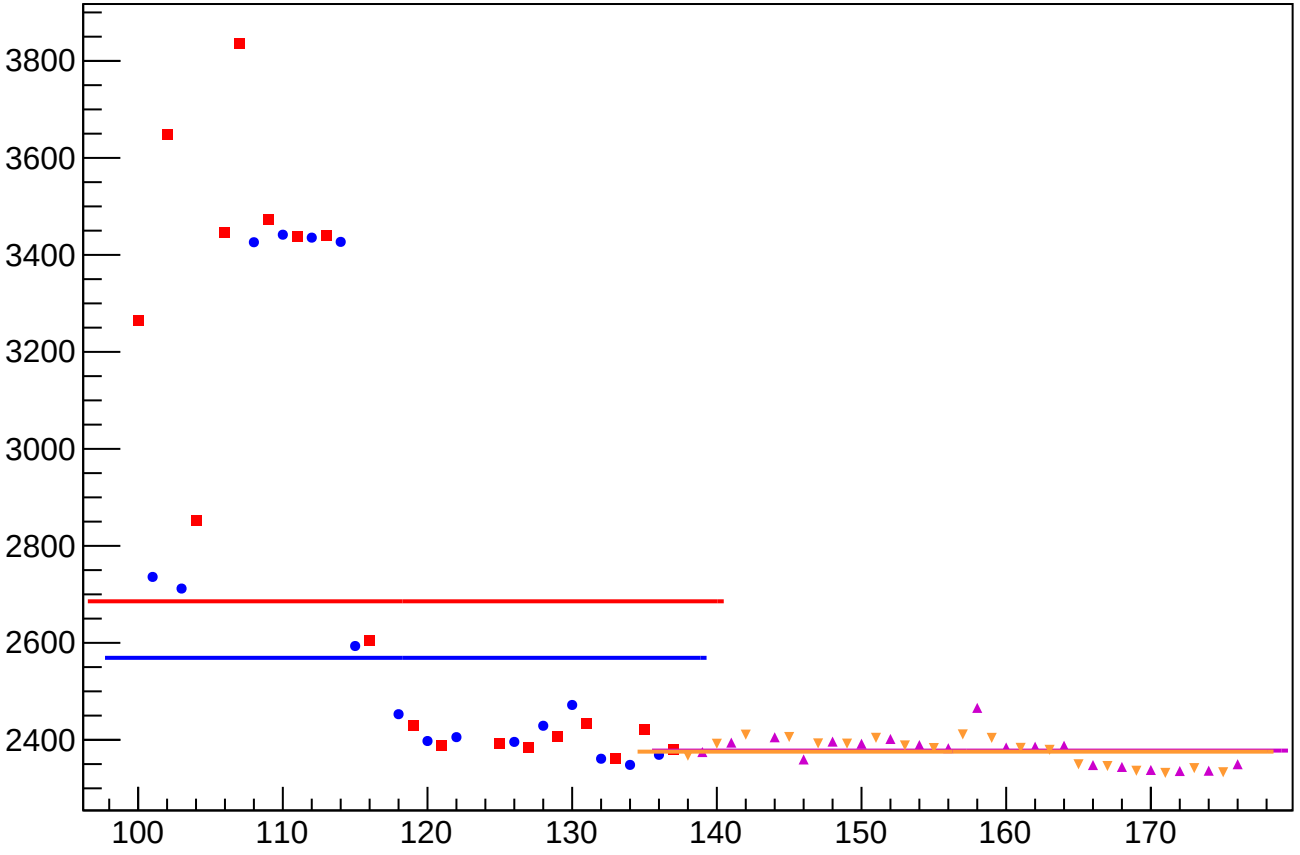
Left In: -1633.979+/-603.205 χ^2/NDF:22.0/18

+ sign 1472.138+/-516.600 χ^2/NDF: 30.4/34

All: -45.088+/-365.699 χ^2/NDF: 89.4/71

- sign -1569.105+/-517.754 χ^2/NDF: 41.8/36

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2375.669+/-0.433 χ^2/NDF:3957.4/18

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

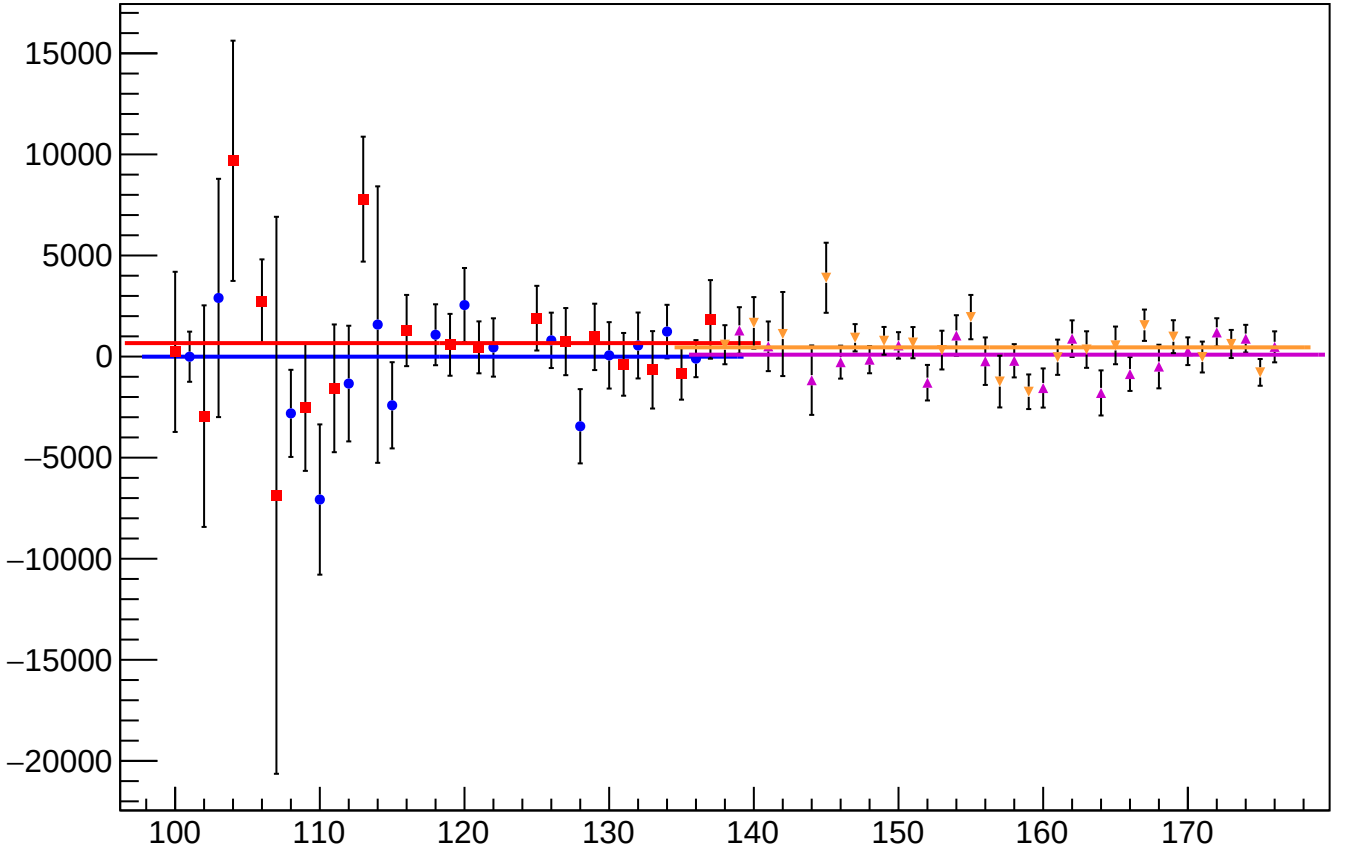
Left In: 2377.837+/-0.427 χ^2/NDF:5385.2/18

+ sign 2431.421+/-0.365 χ^2/NDF: 290980.9/34

All: 2445.118+/-0.259 χ^2/NDF: 855573.4/71

- sign 2458.877+/-0.366 χ^2/NDF: 561774.3/36

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 456.609+/-199.708 χ^2/NDF:22.7/18

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

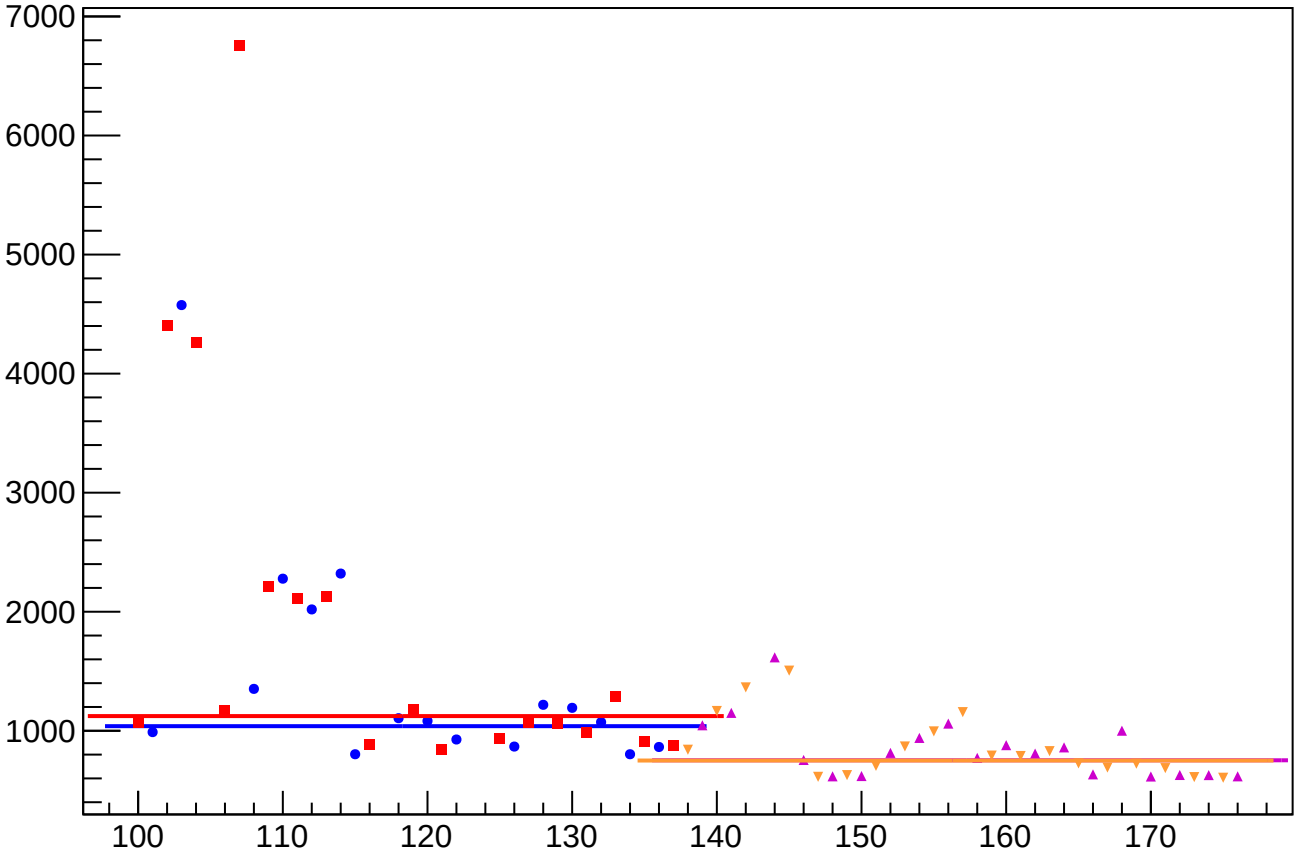
Left In: 93.524+/-197.359 χ^2/NDF:18.5/18

+ sign 368.837+/-179.729 χ^2/NDF: 38.2/34

All: 276.456+/-127.675 χ^2/NDF: 72.9/71

- sign 182.347+/-181.402 χ^2/NDF: 34.1/36

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 750.213+/-0.141 χ^2/NDF:1497422.5/18

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

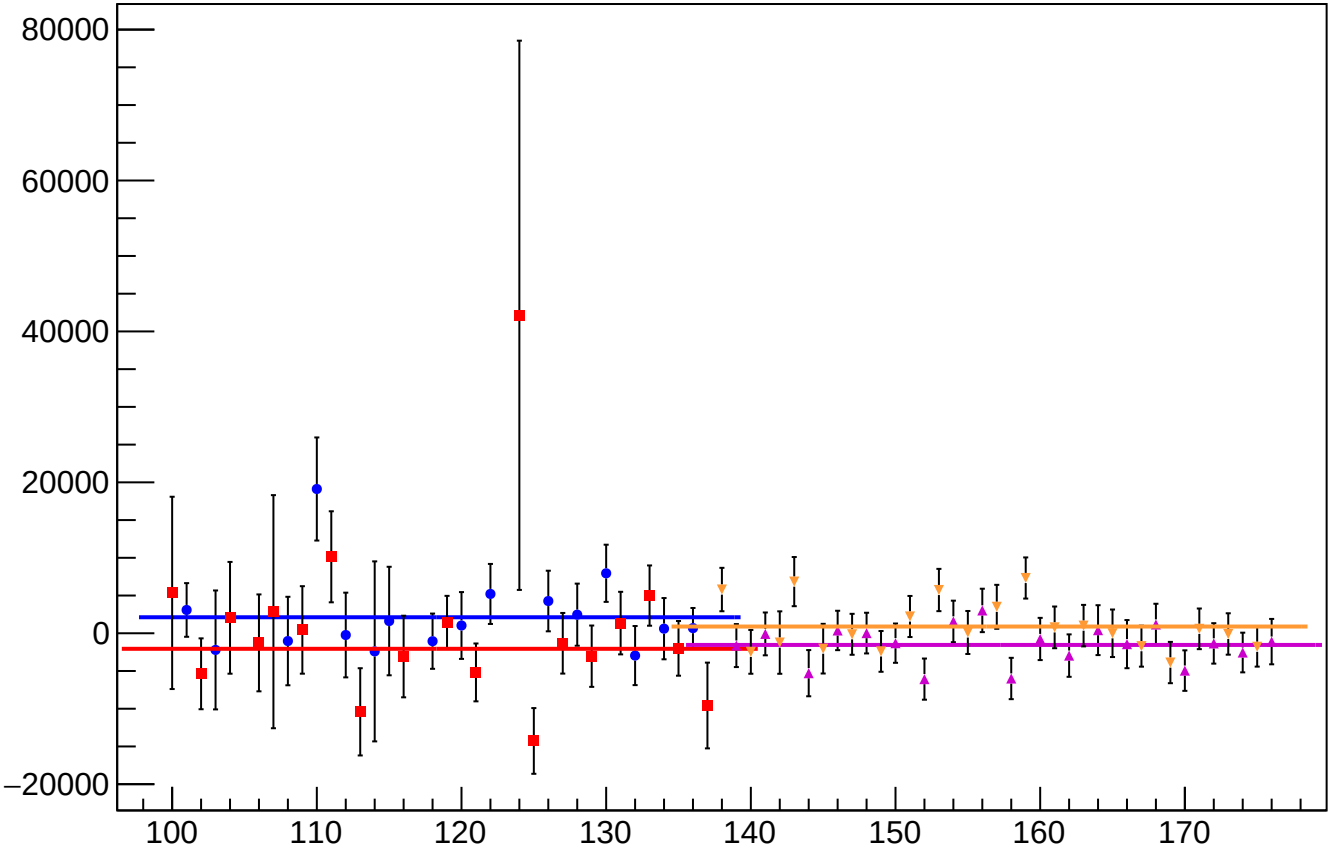
Left In: 752.255+/-0.140 χ^2/NDF:1705164.8/18

\+ sign 805.066+/-0.127 χ^2/NDF: 3830969.7/34

All: 807.439+/-0.090 χ^2/NDF: 9170288.0/71

\- sign 809.856+/-0.128 χ^2/NDF: 5338614.7/36

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 892.347+/-639.616 χ^2/NDF:25.2/19

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

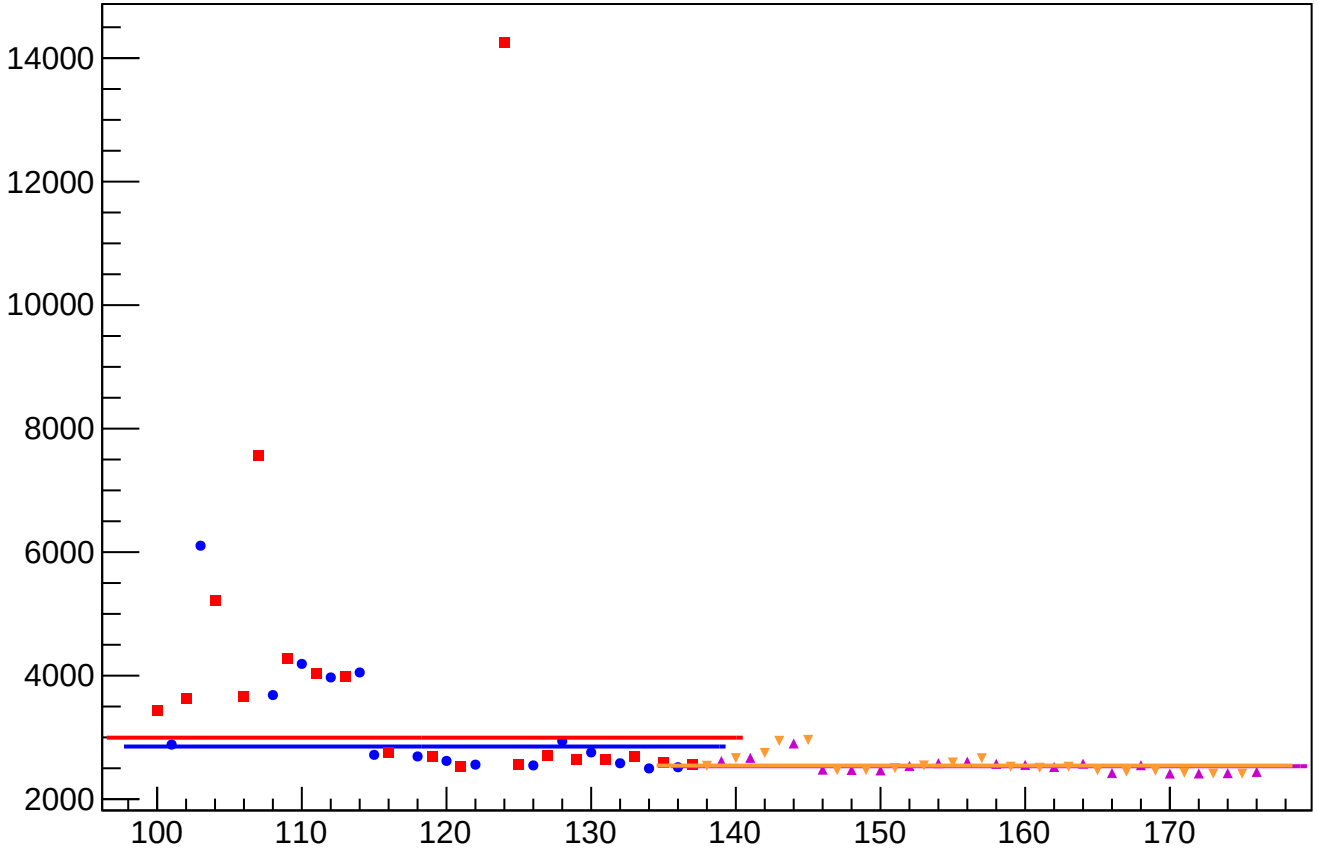
Left In: -1547.128+/-643.220 χ^2/NDF:15.3/18

+ sign 1209.597+/-550.961 χ^2/NDF: 39.5/35

All: -207.943+/-392.683 χ^2/NDF: 92.7/73

- sign -1671.440+/-559.821 χ^2/NDF: 39.8/37

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2544.105+/-0.452 χ^2/NDF:97224.4/19

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

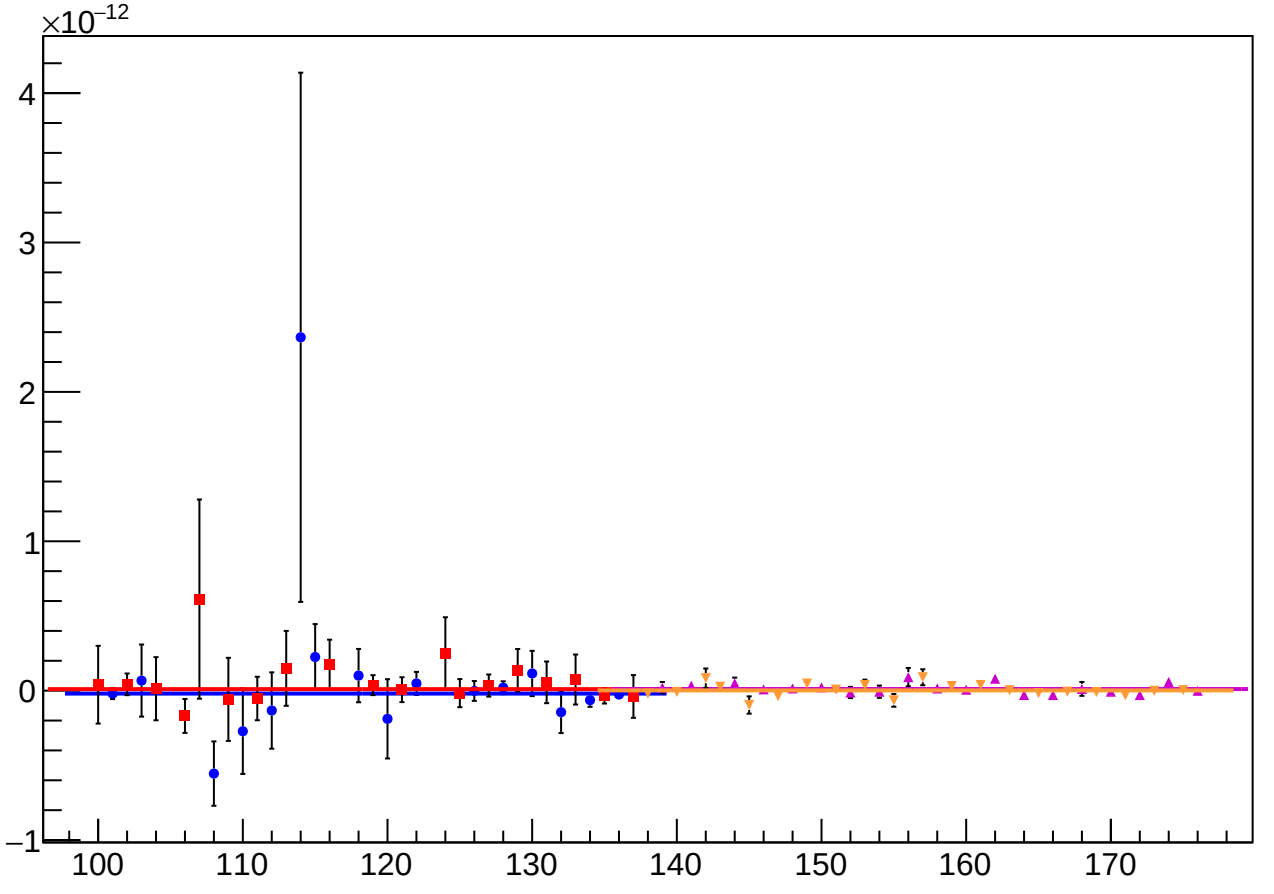
Left In: 2532.942+/-0.455 χ^2/NDF:57163.0/18

+ sign 2623.595+/-0.390 χ^2/NDF: 865668.8/35

All: 2634.187+/-0.278 χ^2/NDF: 2154353.0/73

- sign 2645.122+/-0.396 χ^2/NDF: 1287182.0/37

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:24.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

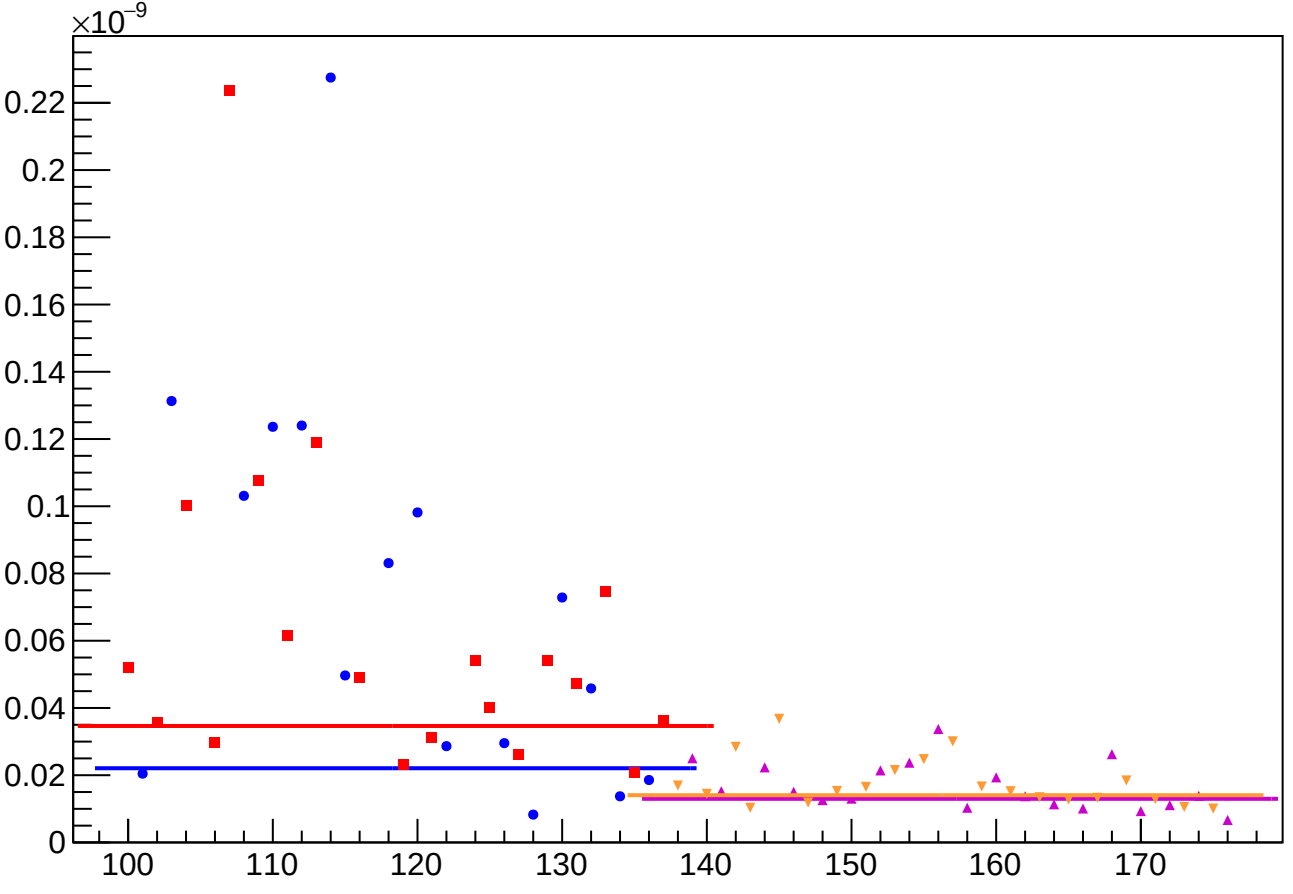
Left In: 0.000+/-0.000 χ^2/NDF:26.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 41.0/35

All: 0.000+/-0.000 χ^2/NDF: 77.7/73

- sign 0.000+/-0.000 χ^2/NDF: 34.8/37

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:1199533.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

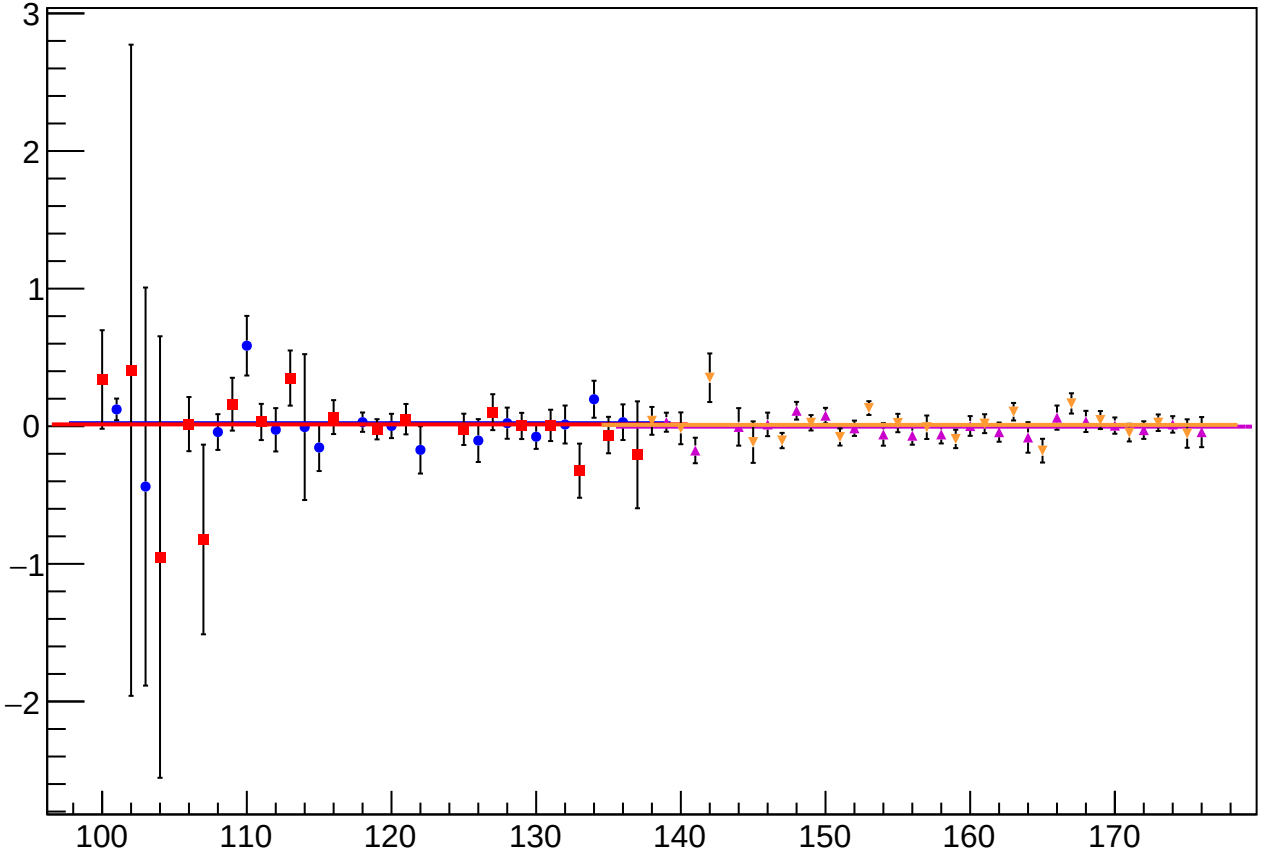
Left In: 0.000+/-0.000 χ^2/NDF:1536034.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 3936618.1/35

All: 0.000+/-0.000 χ^2/NDF: 8217666.3/73

- sign 0.000+/-0.000 χ^2/NDF: 4265455.4/37

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

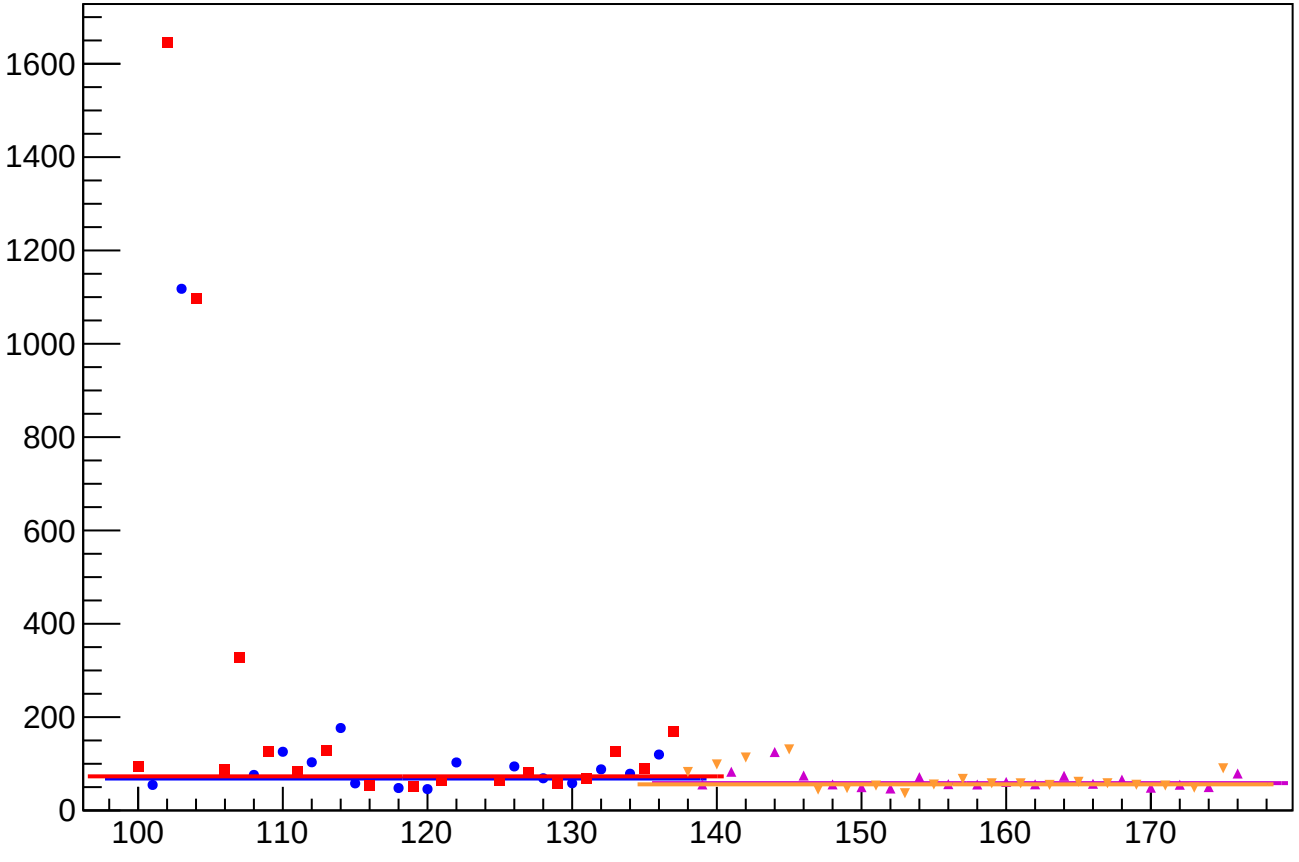
Left In: -0.003+/-0.016 χ^2/NDF:13.2/18

+ sign 0.013+/-0.014 χ^2/NDF: 47.1/34

All: 0.007+/-0.010 χ^2/NDF: 71.7/71

- sign 0.000+/-0.015 χ^2/NDF: 24.2/36

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837310.9/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

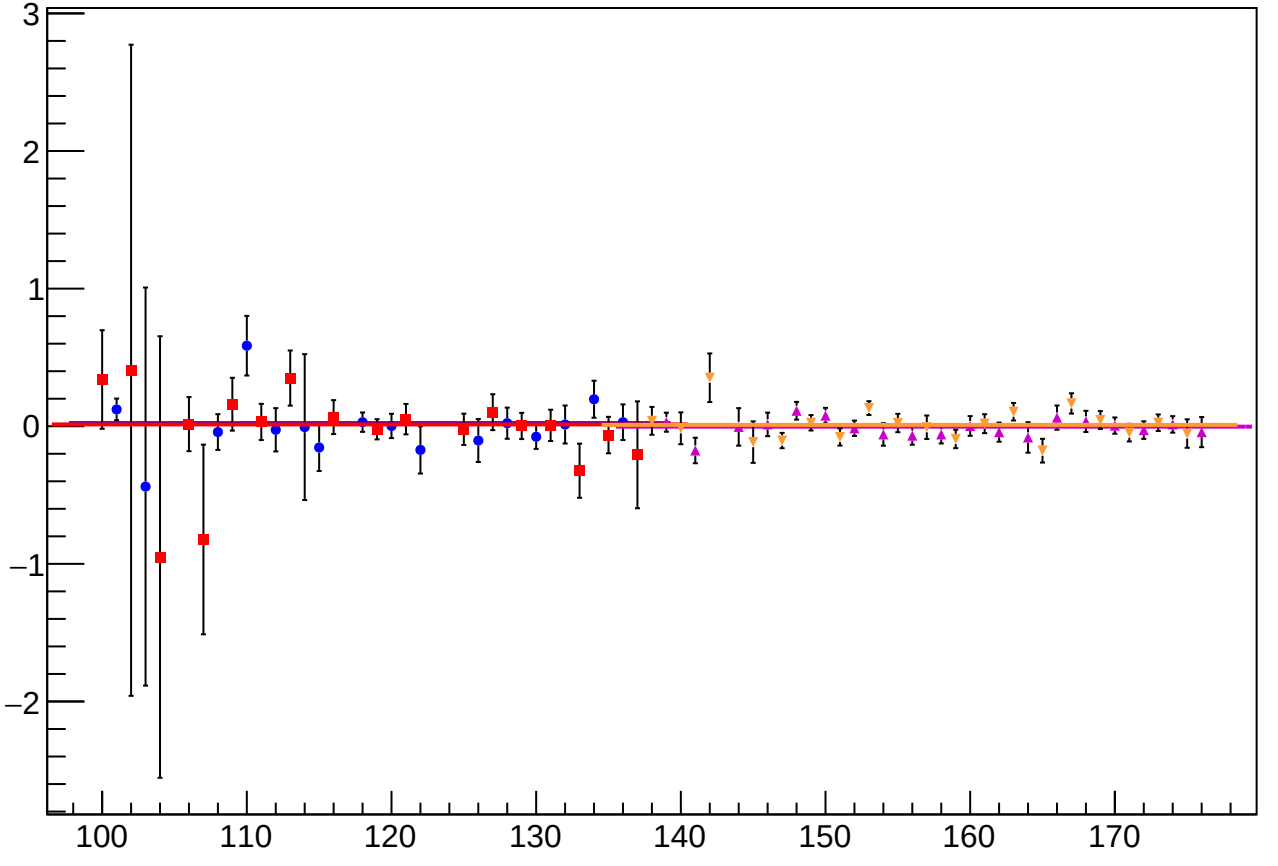
Left In: 58.552+/-0.012 χ^2/NDF:1117484.4/18

+ sign 58.793+/-0.010 χ^2/NDF: 4379516.4/34

All: 60.051+/-0.007 χ^2/NDF: 8744573.0/71

- sign 61.389+/-0.010 χ^2/NDF: 4333344.7/36

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

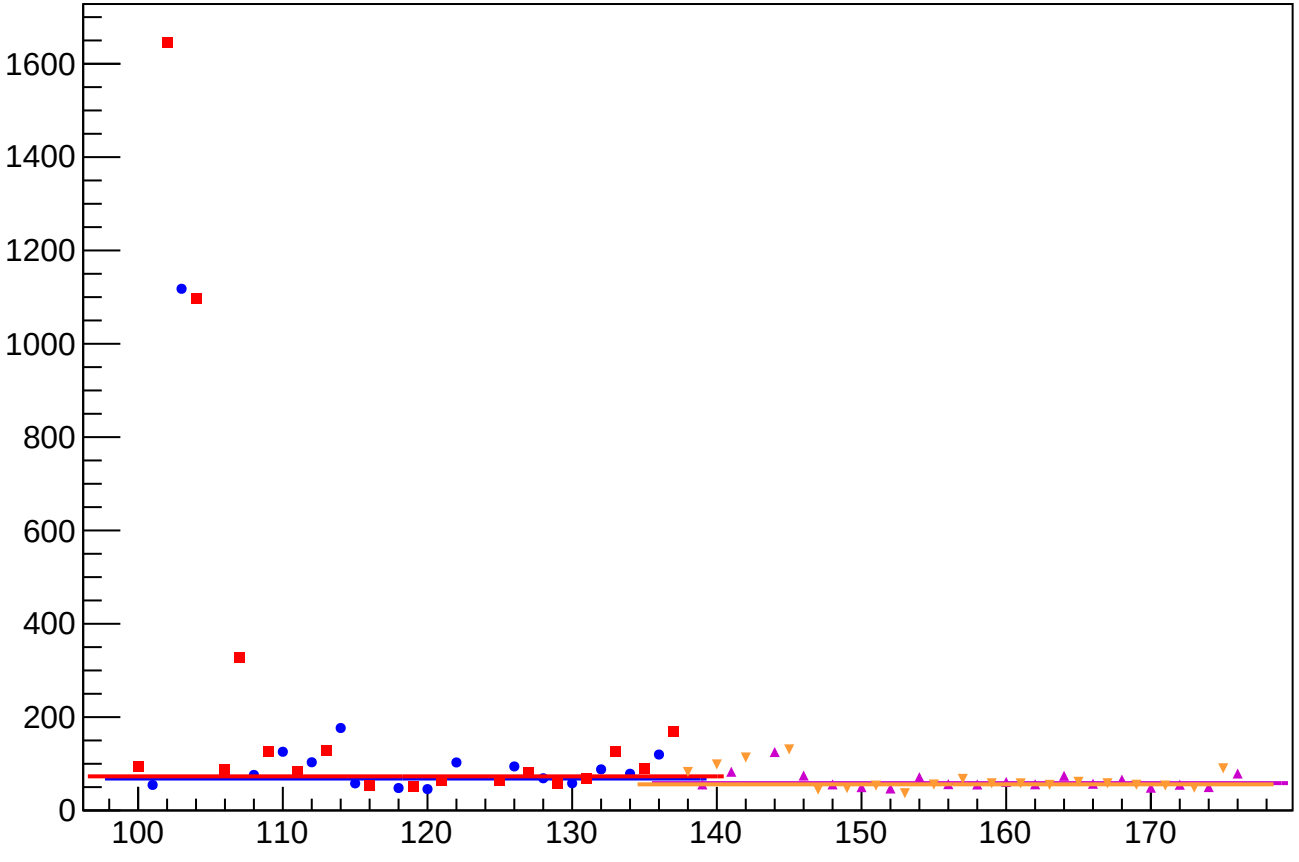
Left In: -0.003+/-0.016 χ^2/NDF:13.2/18

+ sign 0.013+/-0.014 χ^2/NDF: 47.1/34

All: 0.007+/-0.010 χ^2/NDF: 71.7/71

- sign 0.000+/-0.015 χ^2/NDF: 24.2/36

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837310.9/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

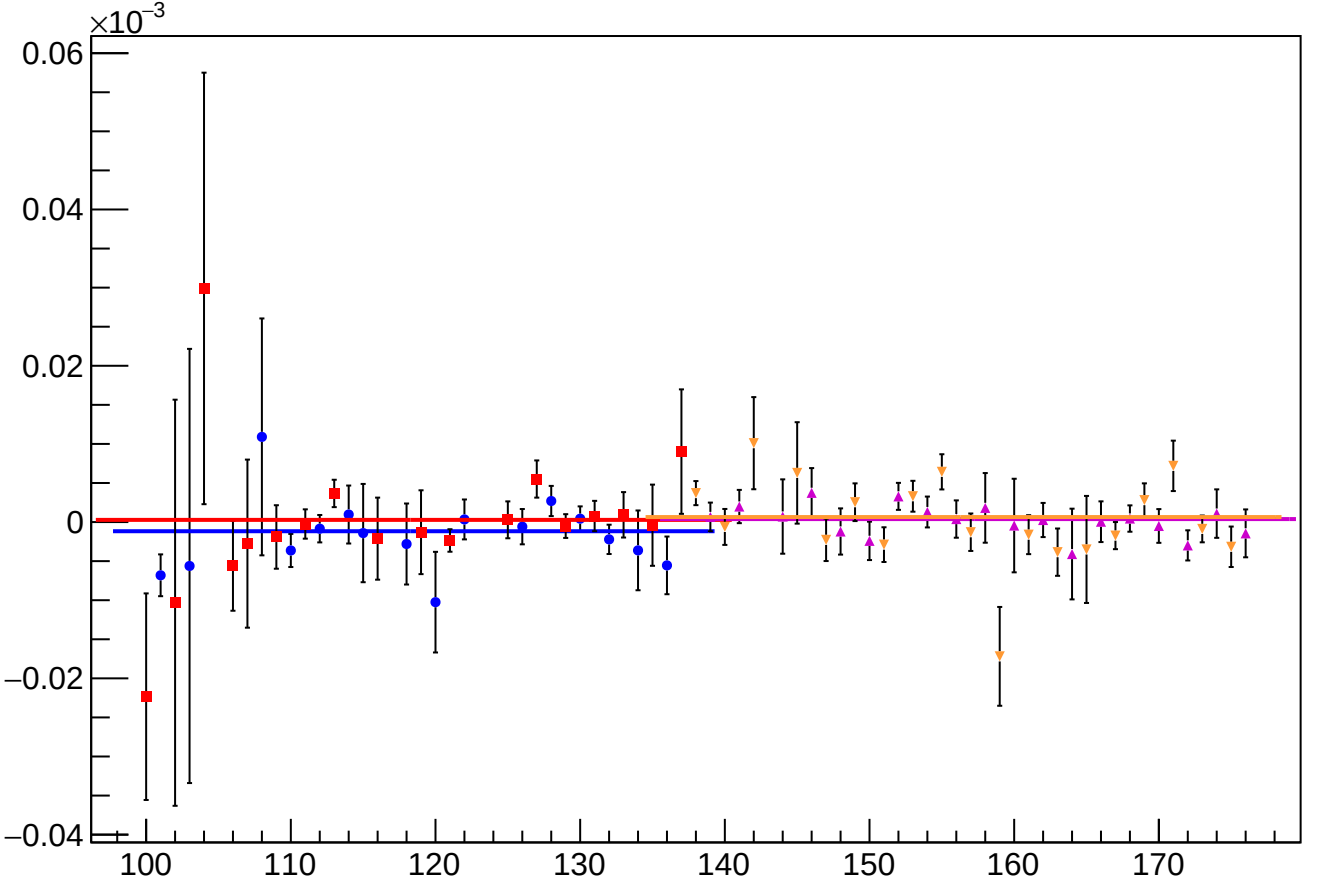
Left In: 58.552+/-0.012 χ^2/NDF:1117484.4/18

+ sign 58.793+/-0.010 χ^2/NDF: 4379516.4/34

All: 60.051+/-0.007 χ^2/NDF: 8744573.0/71

- sign 61.389+/-0.010 χ^2/NDF: 4333344.7/36

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:42.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

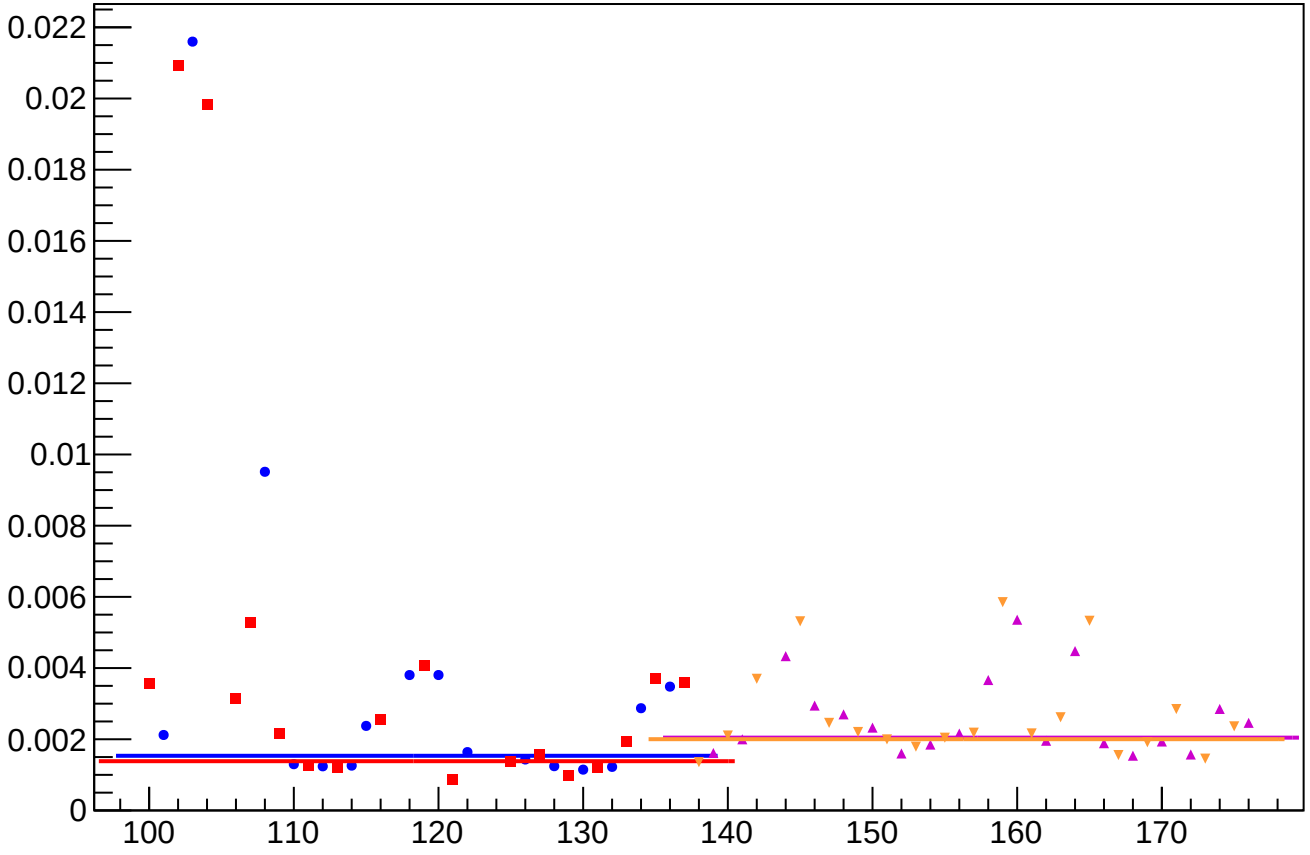
Left In: 0.000+/-0.000 χ^2/NDF:10.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 62.9/34

All: 0.000+/-0.000 χ^2/NDF: 93.7/71

- sign 0.000+/-0.000 χ^2/NDF: 30.2/36

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:2966452.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

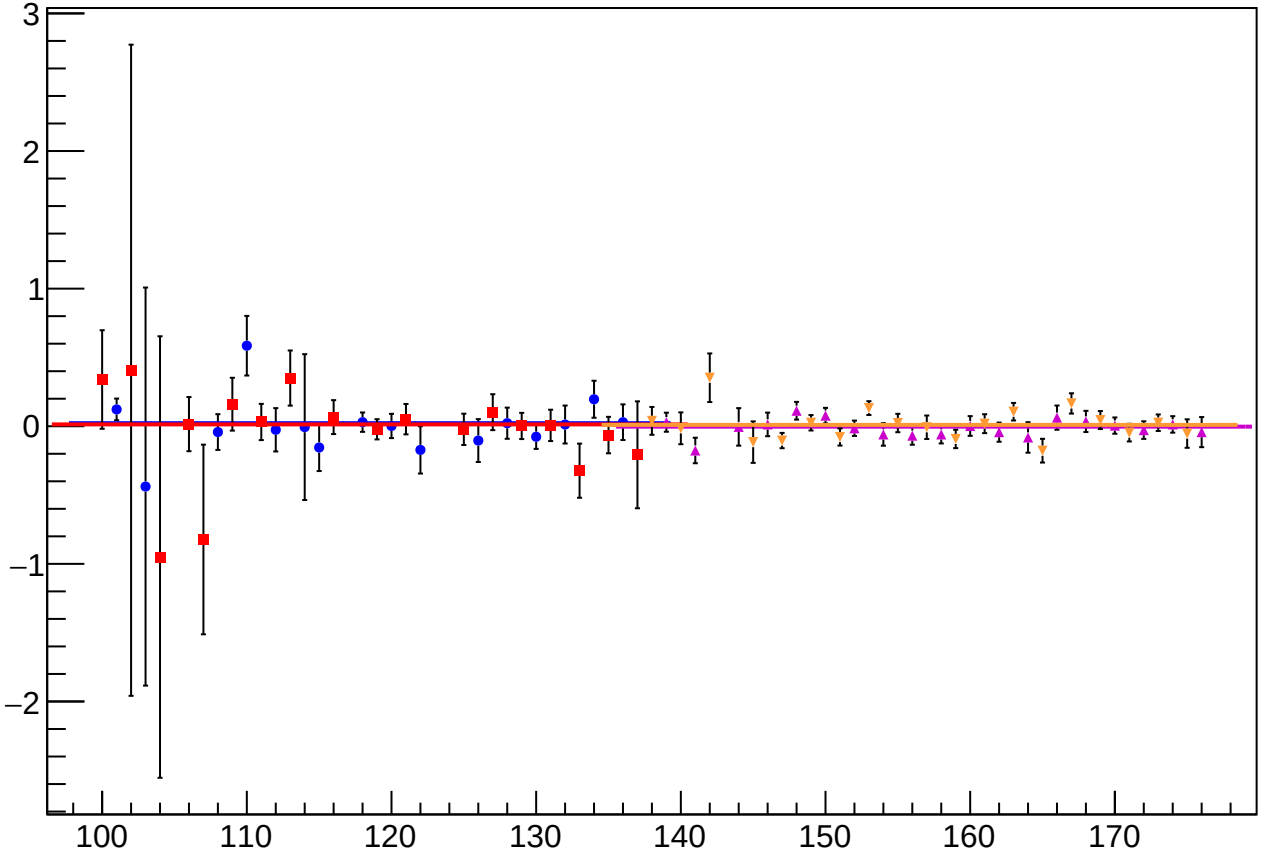
Left In: 0.002+/-0.000 χ^2/NDF:2733687.0/18

+ sign 0.002+/-0.000 χ^2/NDF: 6921566.3/34

All: 0.002+/-0.000 χ^2/NDF: 15172046.1/71

- sign 0.002+/-0.000 χ^2/NDF: 8234043.2/36

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

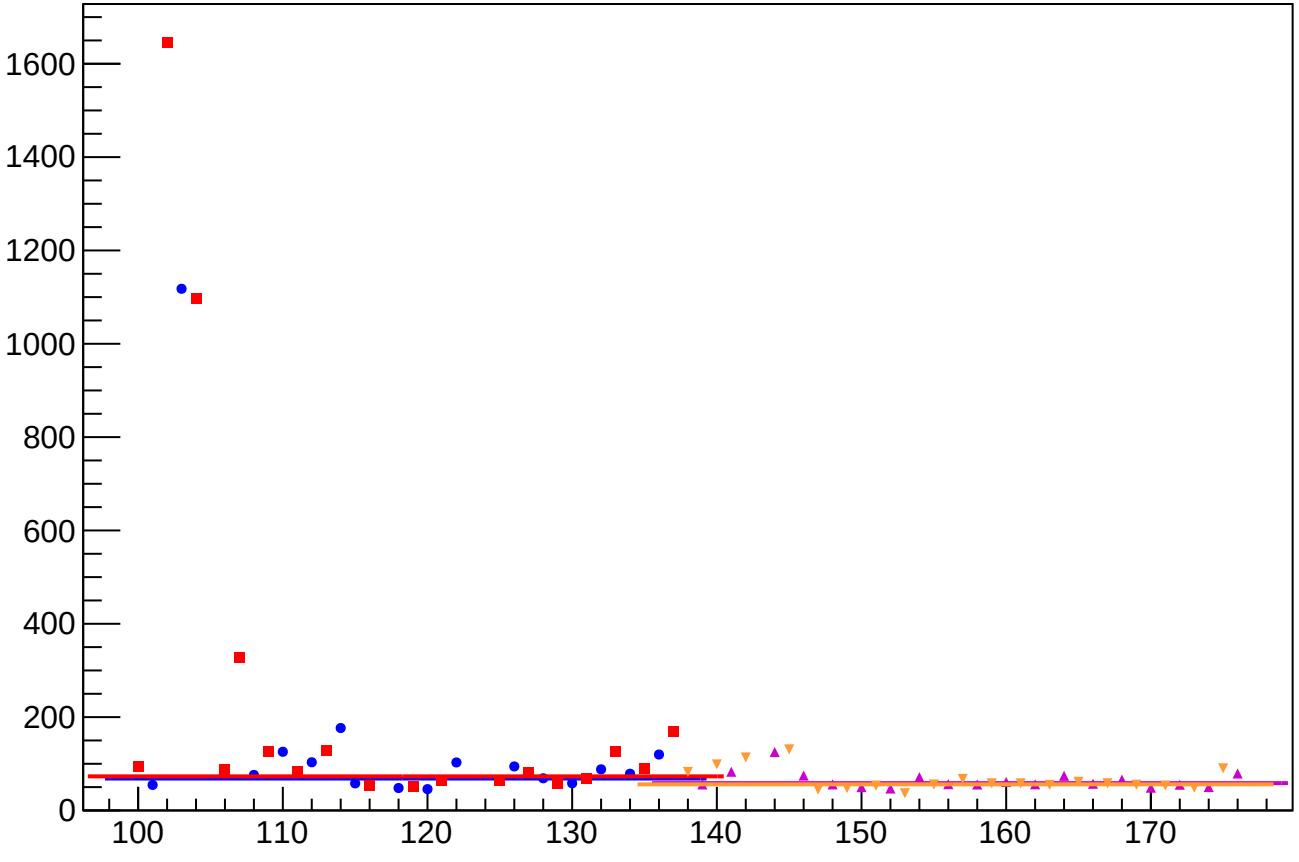
Left In: -0.003+/-0.016 χ^2/NDF:13.2/18

+ sign 0.013+/-0.014 χ^2/NDF: 47.1/34

All: 0.007+/-0.010 χ^2/NDF: 71.7/71

- sign 0.000+/-0.015 χ^2/NDF: 24.2/36

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837378.1/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

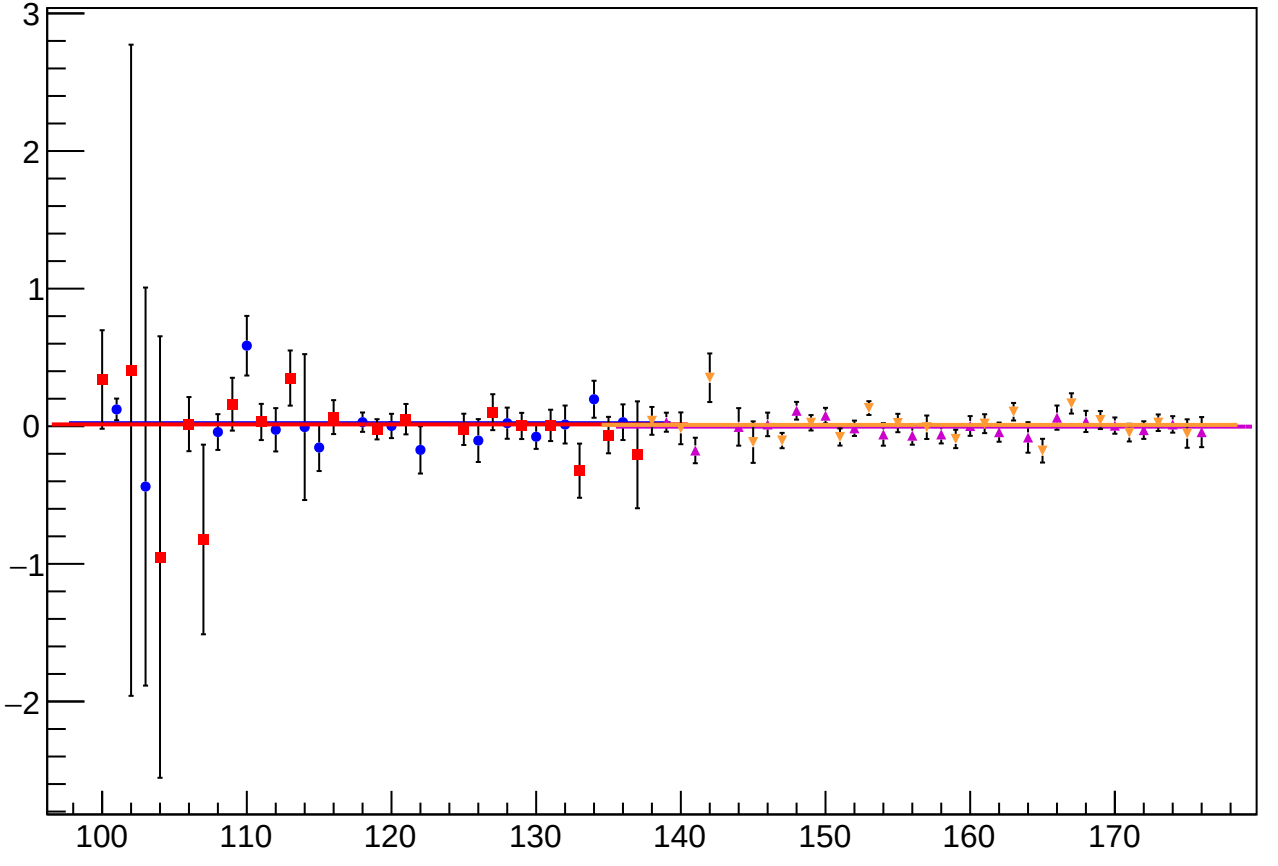
Left In: 58.553+/-0.012 χ^2/NDF:1117457.7/18

+ sign 58.793+/-0.010 χ^2/NDF: 4379631.9/34

All: 60.051+/-0.007 χ^2/NDF: 8744654.7/71

- sign 61.389+/-0.010 χ^2/NDF: 4333304.0/36

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: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

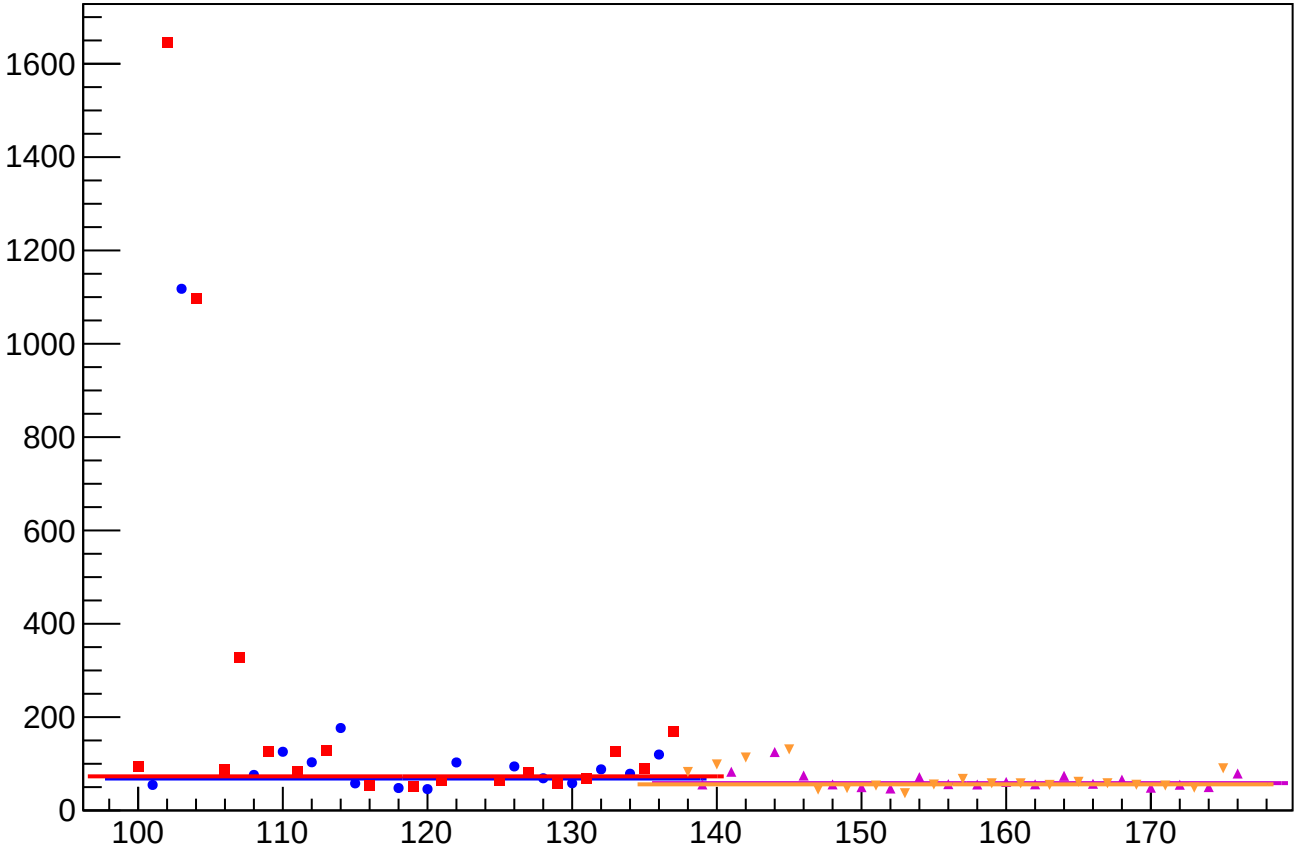
Left In: -0.003+/-0.016 χ^2/NDF:13.2/18

+ sign 0.013+/-0.014 χ^2/NDF: 47.1/34

All: 0.007+/-0.010 χ^2/NDF: 71.7/71

- sign 0.000+/-0.015 χ^2/NDF: 24.2/36

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837378.1/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

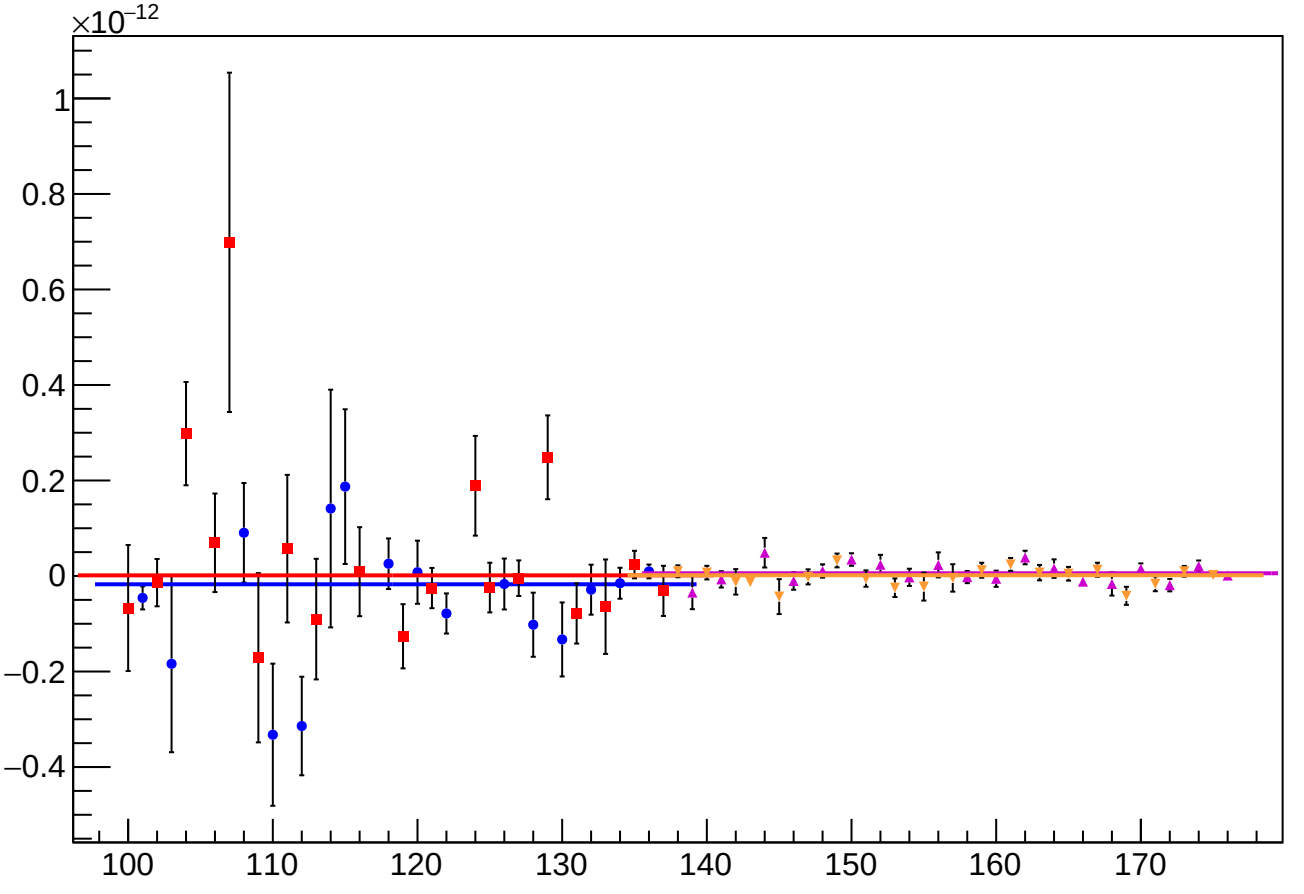
Left In: 58.553+/-0.012 χ^2/NDF:1117457.7/18

+ sign 58.793+/-0.010 χ^2/NDF: 4379631.9/34

All: 60.051+/-0.007 χ^2/NDF: 8744654.7/71

- sign 61.389+/-0.010 χ^2/NDF: 4333304.0/36

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:23.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

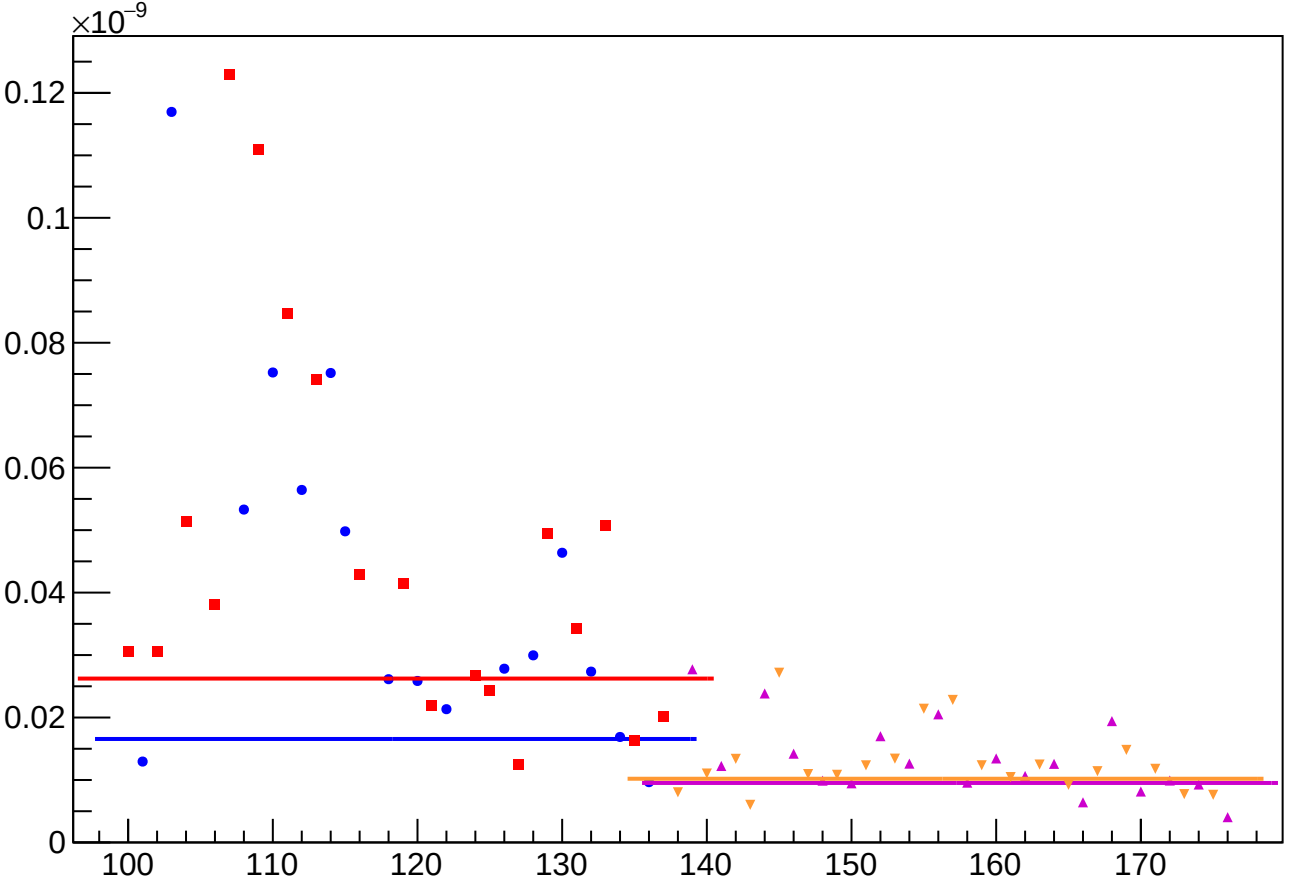
Left In: 0.000+/-0.000 χ^2/NDF:27.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 54.5/35

All: 0.000+/-0.000 χ^2/NDF: 116.2/73

- sign 0.000+/-0.000 χ^2/NDF: 60.1/37

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:2187048.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

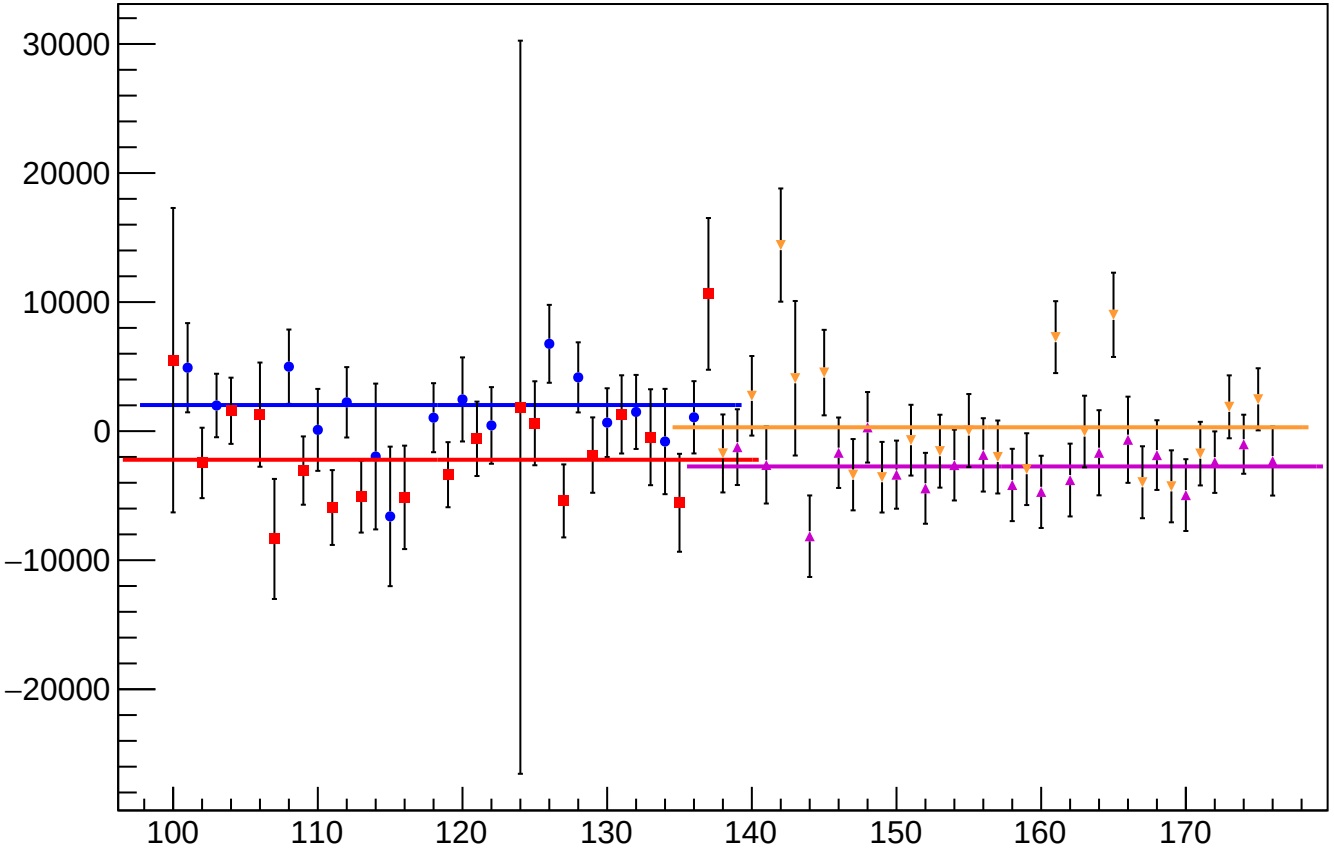
Left In: 0.000+/-0.000 χ^2/NDF:3665518.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 5742525.3/35

All: 0.000+/-0.000 χ^2/NDF: 14389745.7/73

- sign 0.000+/-0.000 χ^2/NDF: 8624093.6/37

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 299.766+/-645.075 χ^2/NDF:40.2/19

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

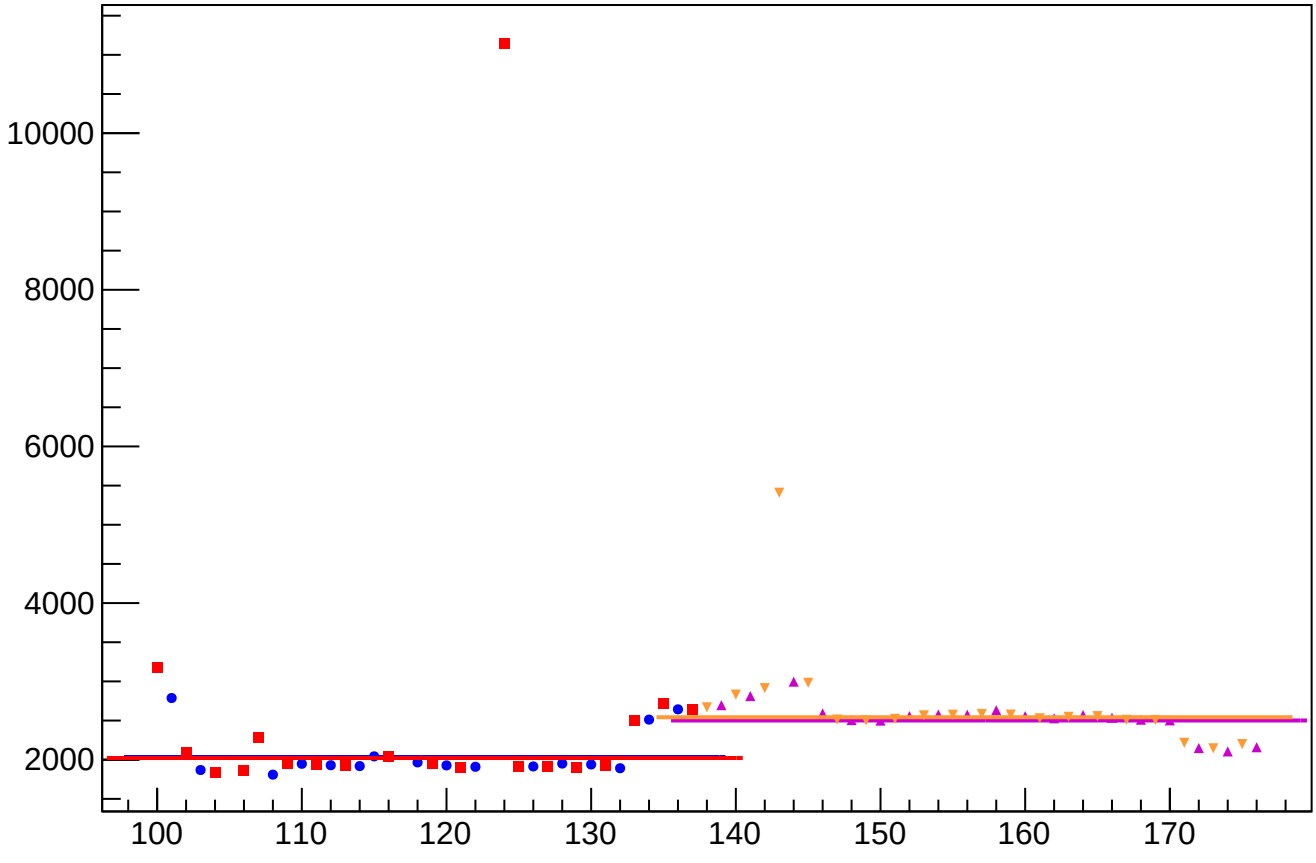
Left In: -2735.777+/-636.986 χ^2/NDF:7.8/18

+ sign 1016.452+/-492.978 χ^2/NDF: 52.8/35

All: -773.033+/-346.514 χ^2/NDF: 105.1/73

- sign -2520.546+/-487.162 χ^2/NDF: 26.3/37

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2542.432+/-0.456 χ^2/NDF:660468.4/19

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

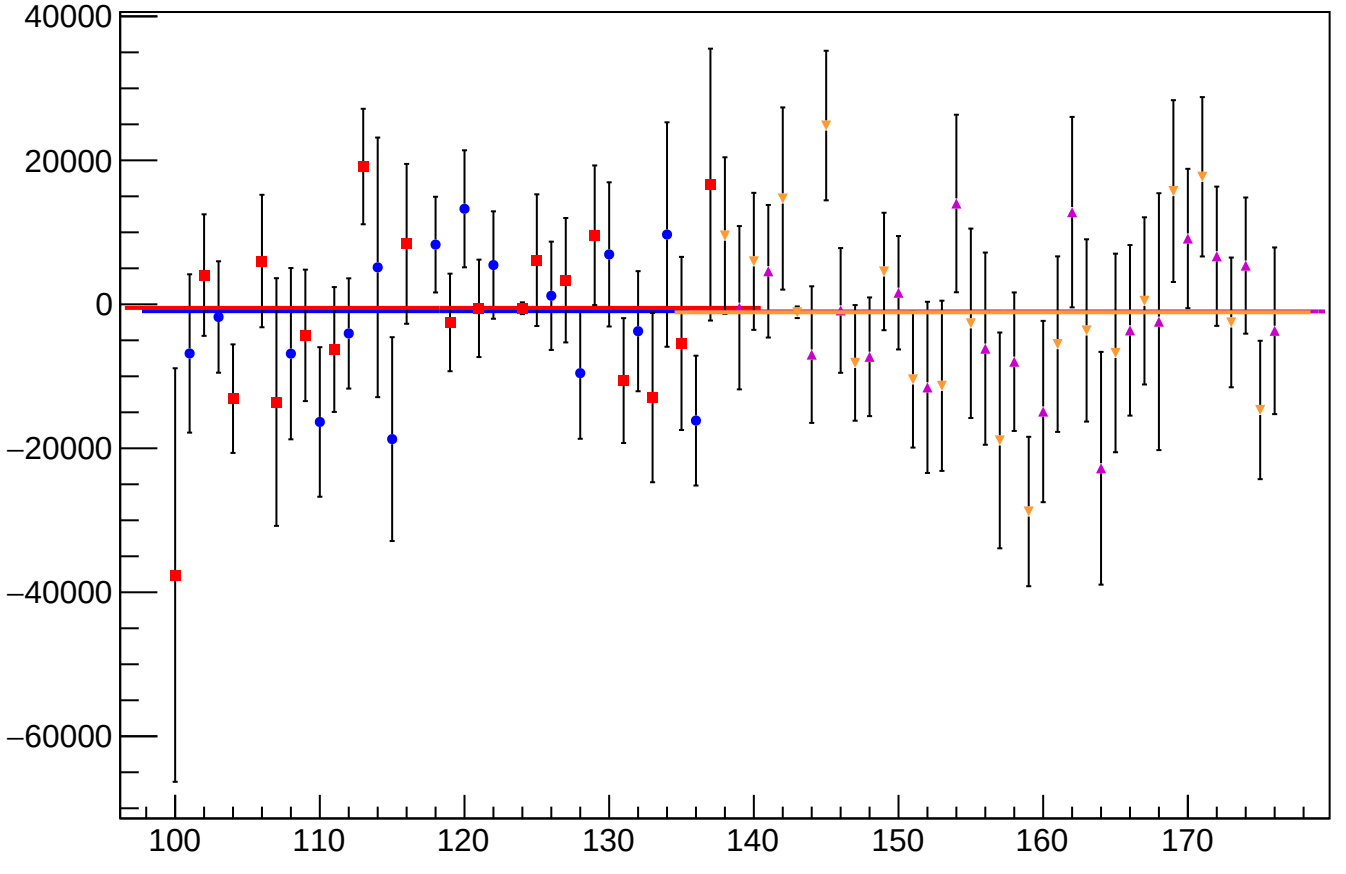
Left In: 2501.048+/-0.450 χ^2/NDF:228202.3/18

+ sign 2331.006+/-0.349 χ^2/NDF: 1439925.7/35

All: 2316.336+/-0.245 χ^2/NDF: 2532382.9/73

- sign 2302.011+/-0.344 χ^2/NDF: 1088956.8/37

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1107.788+/-766.625 χ^2/NDF:27.9/19

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

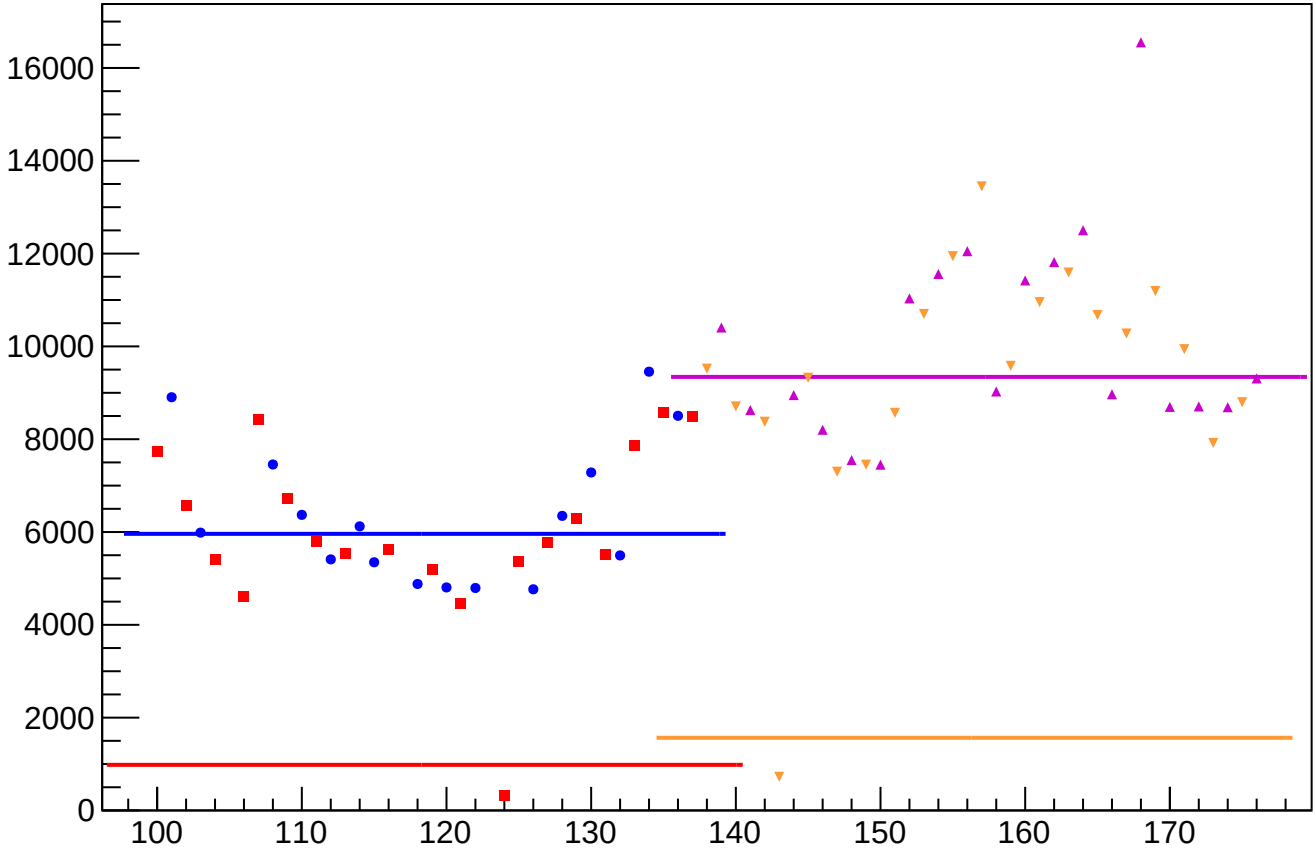
Left In: -989.421+/-2418.073 χ^2/NDF:10.8/18

+ sign -1091.795+/-726.601 χ^2/NDF: 43.2/35

All: -819.245+/-515.758 χ^2/NDF: 72.8/73

- sign -542.466+/-732.216 χ^2/NDF: 29.3/37

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1566.632+/-0.542 χ^2/NDF:22976008.6/19

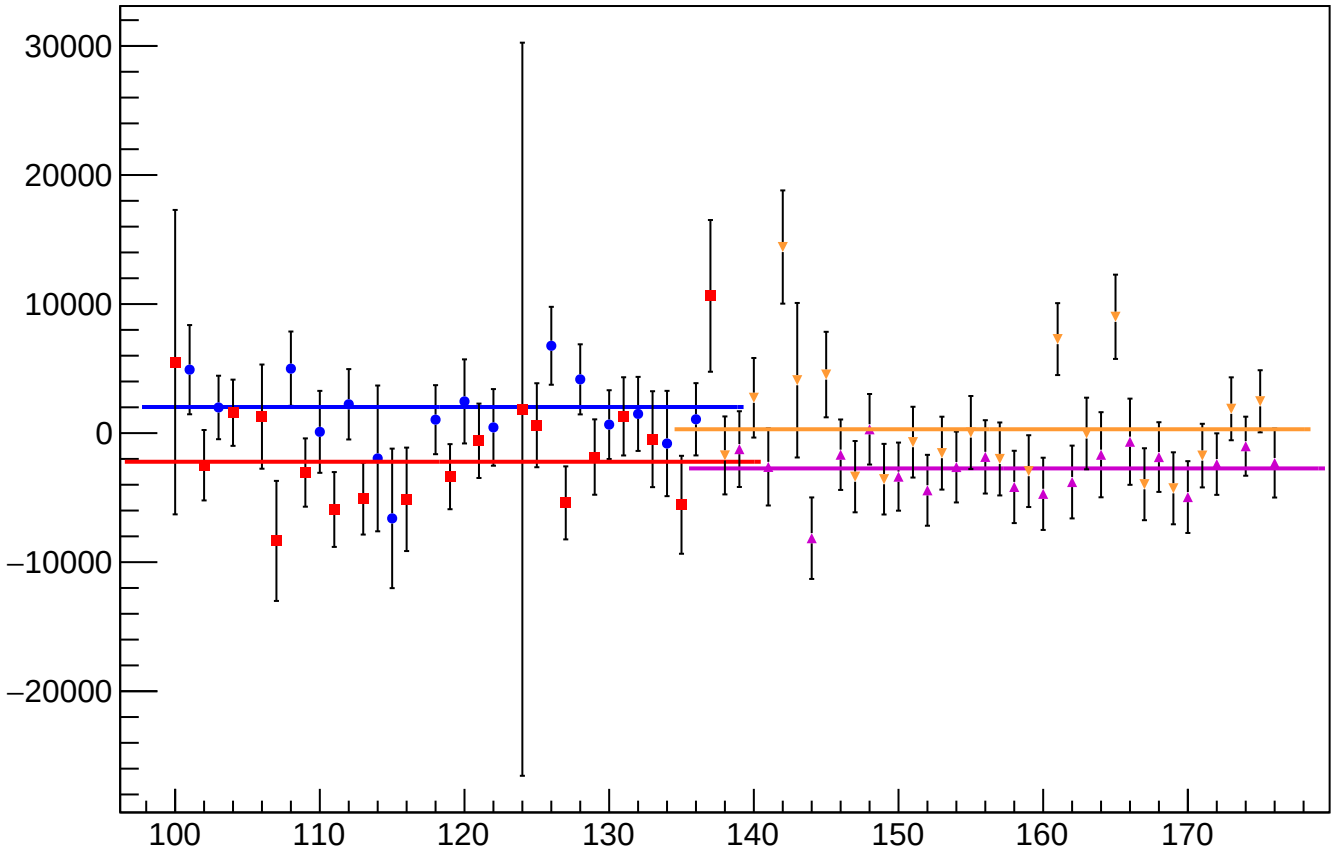
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9342.635+/-1.710 χ^2/NDF:1023641.3/18

+ sign 2013.479+/-0.514 χ^2/NDF: 30347165.8/35

All: 1882.661+/-0.365 χ^2/NDF: 64628431.9/7

- sign 1749.814+/-0.518 χ^2/NDF: 34150601.9/37



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 299.800+/-645.075 χ^2/NDF:40.2/19

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

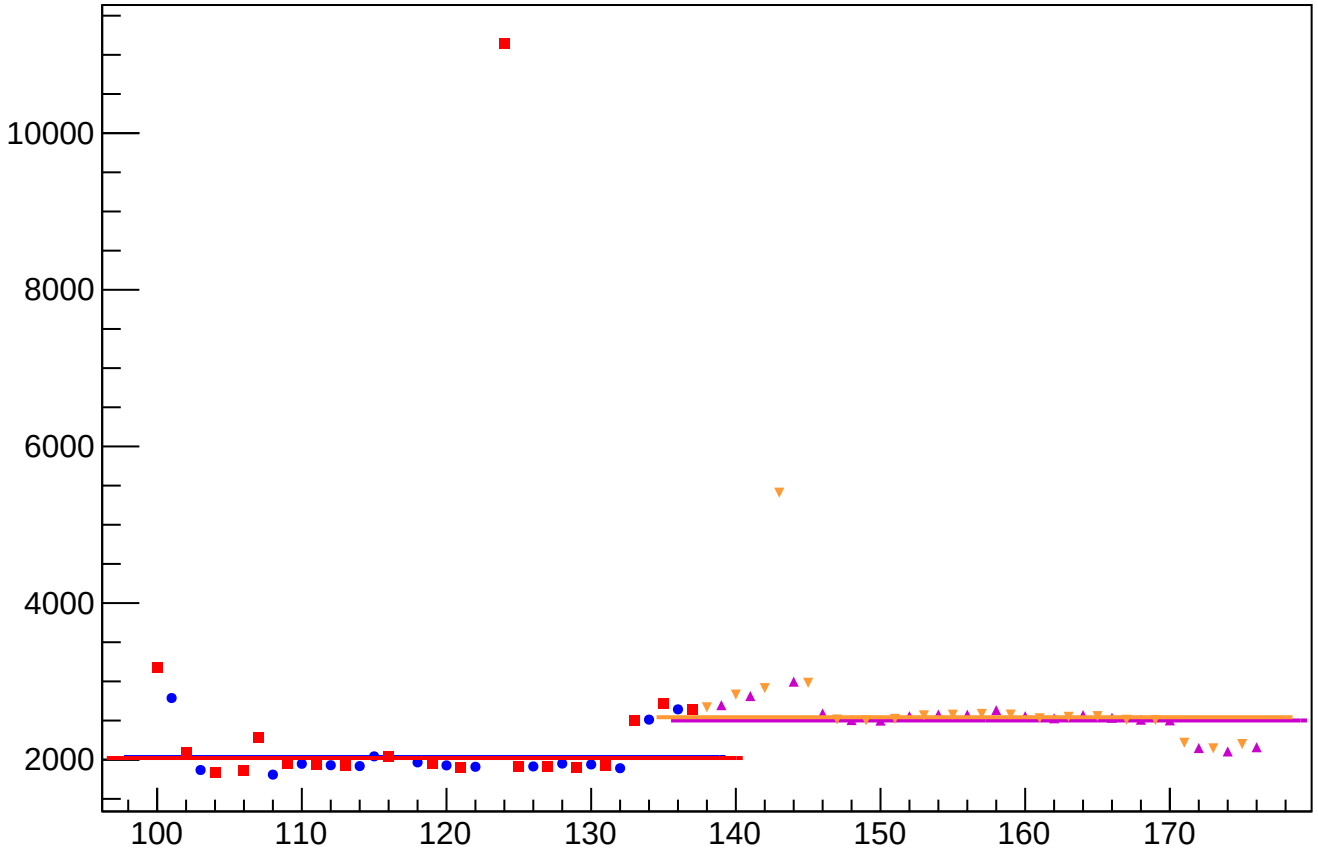
Left In: -2735.812+/-636.986 χ^2/NDF:7.9/18

+ sign 1016.524+/-492.978 χ^2/NDF: 52.8/35

All: -773.388+/-346.514 χ^2/NDF: 105.1/73

- sign -2521.332+/-487.164 χ^2/NDF: 26.3/37

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2542.433+/-0.456 χ^2/NDF:660468.4/19

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

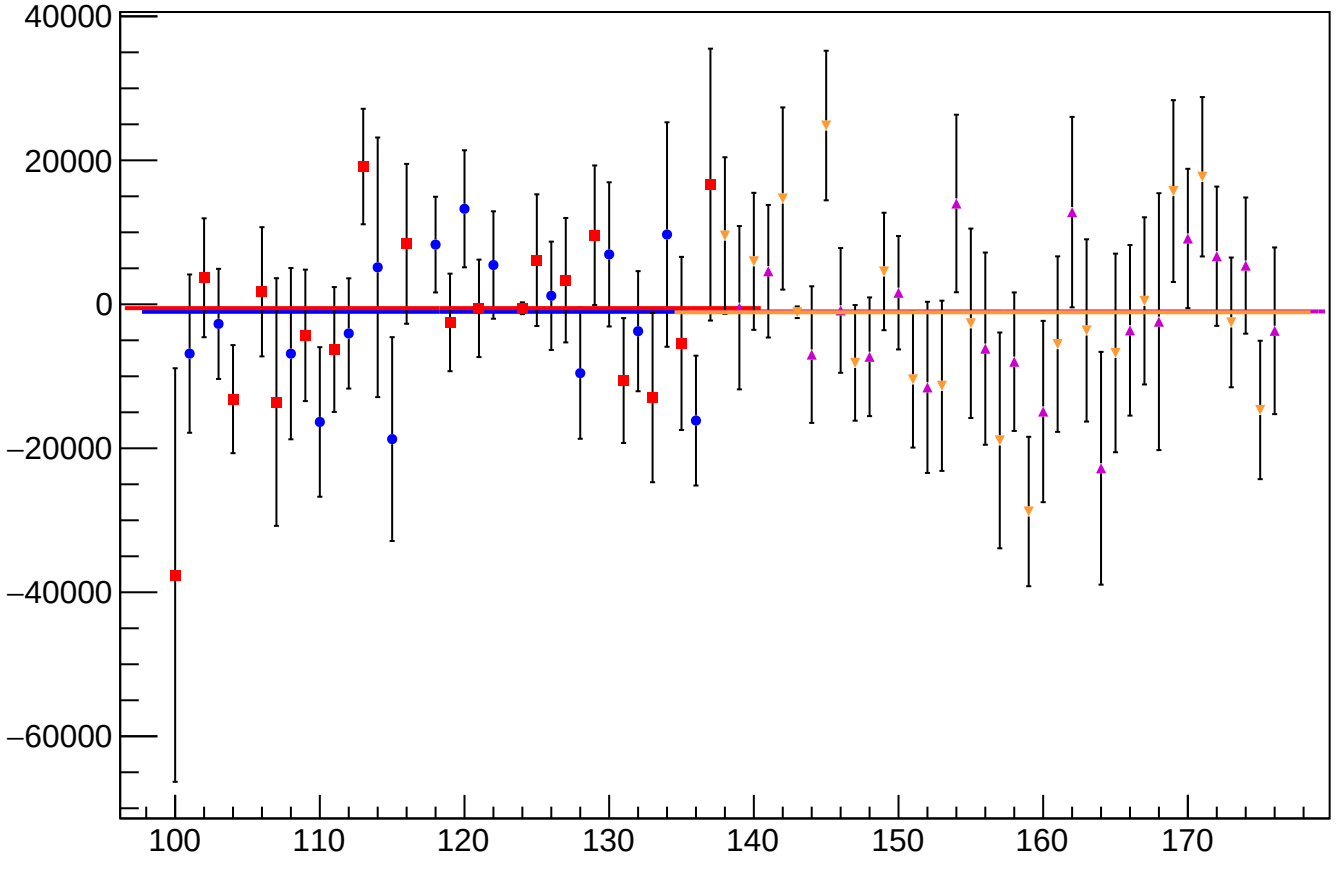
Left In: 2501.048+/-0.450 χ^2/NDF:228202.3/18

+ sign 2331.006+/-0.349 χ^2/NDF: 1439925.9/35

All: 2316.342+/-0.245 χ^2/NDF: 2532344.3/73

- sign 2302.022+/-0.344 χ^2/NDF: 1088920.8/37

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1107.555+/-766.558 χ^2/NDF:27.9/19

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

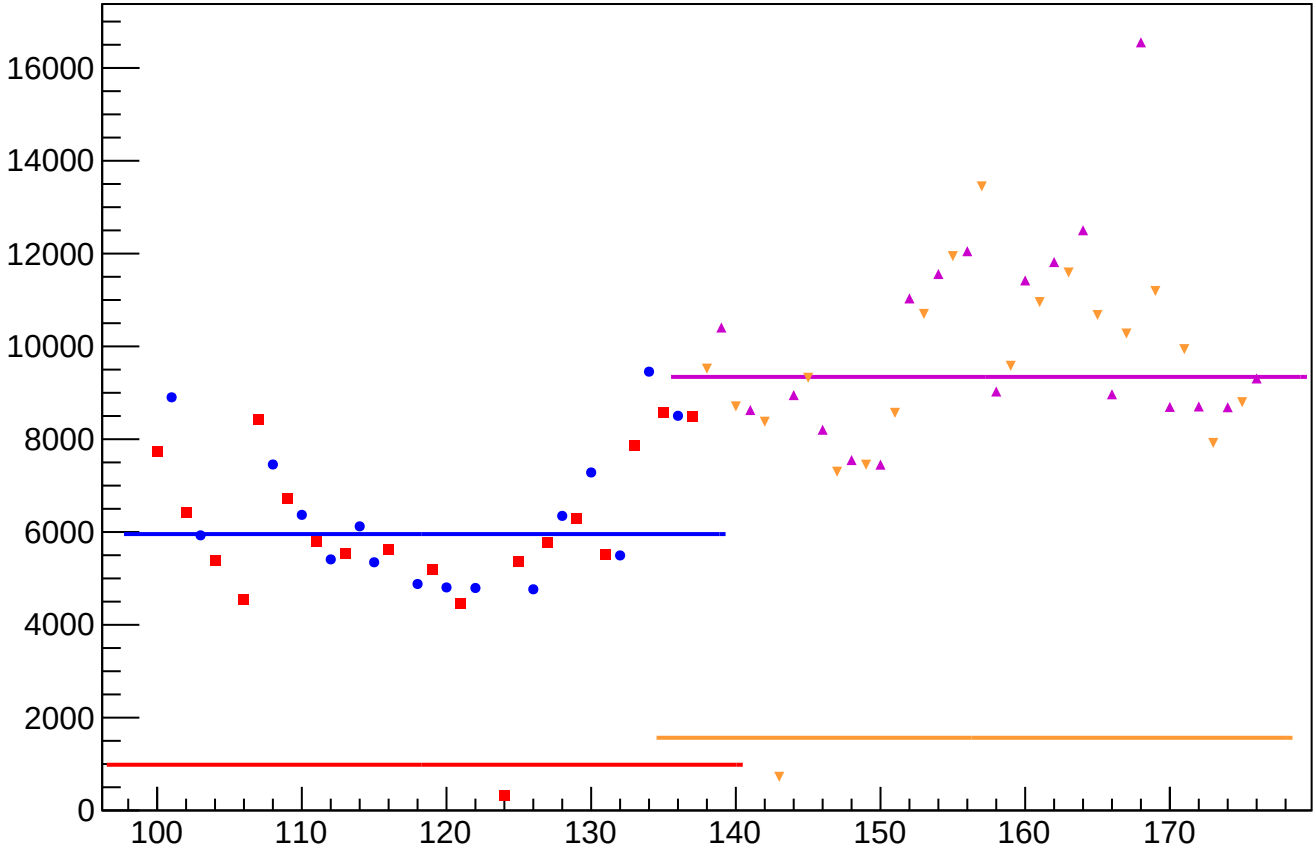
Left In: -989.585+/-2418.071 χ^2/NDF:10.8/18

+ sign -1100.464+/-726.467 χ^2/NDF: 43.2/35

All: -838.560+/-515.608 χ^2/NDF: 72.4/73

- sign -572.708+/-731.922 χ^2/NDF: 28.9/37

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1566.423+/-0.542 χ^2/NDF:22976785.7/19

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

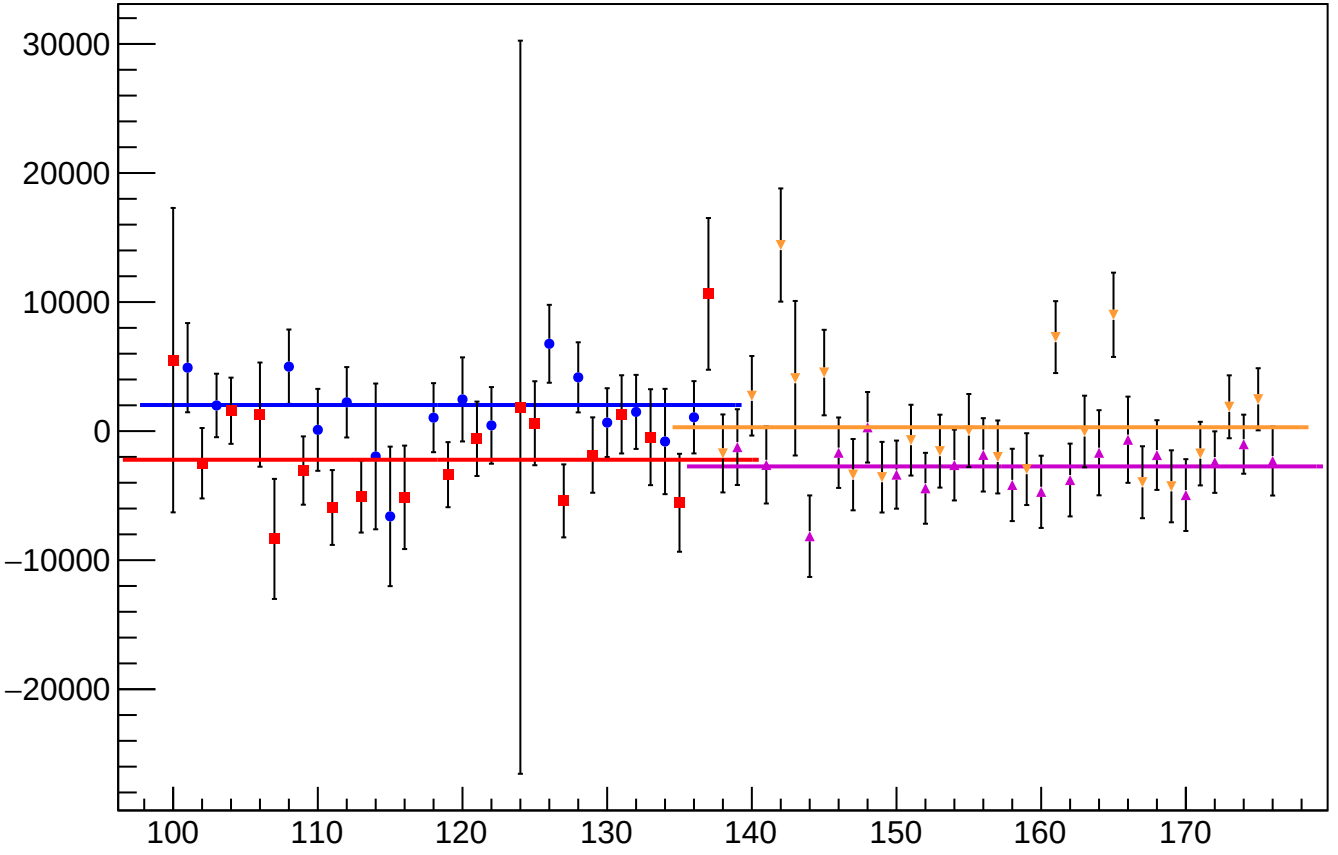
Left In: 9342.626+/-1.710 χ^2/NDF:1023648.2/18

+ sign 2013.524+/-0.514 χ^2/NDF: 30345254.1/35

All: 1883.129+/-0.365 χ^2/NDF: 64614625.0/7

- sign 1750.769+/-0.518 χ^2/NDF: 34139530.7/37

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 299.800+/-645.075 χ^2/NDF:40.2/19

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

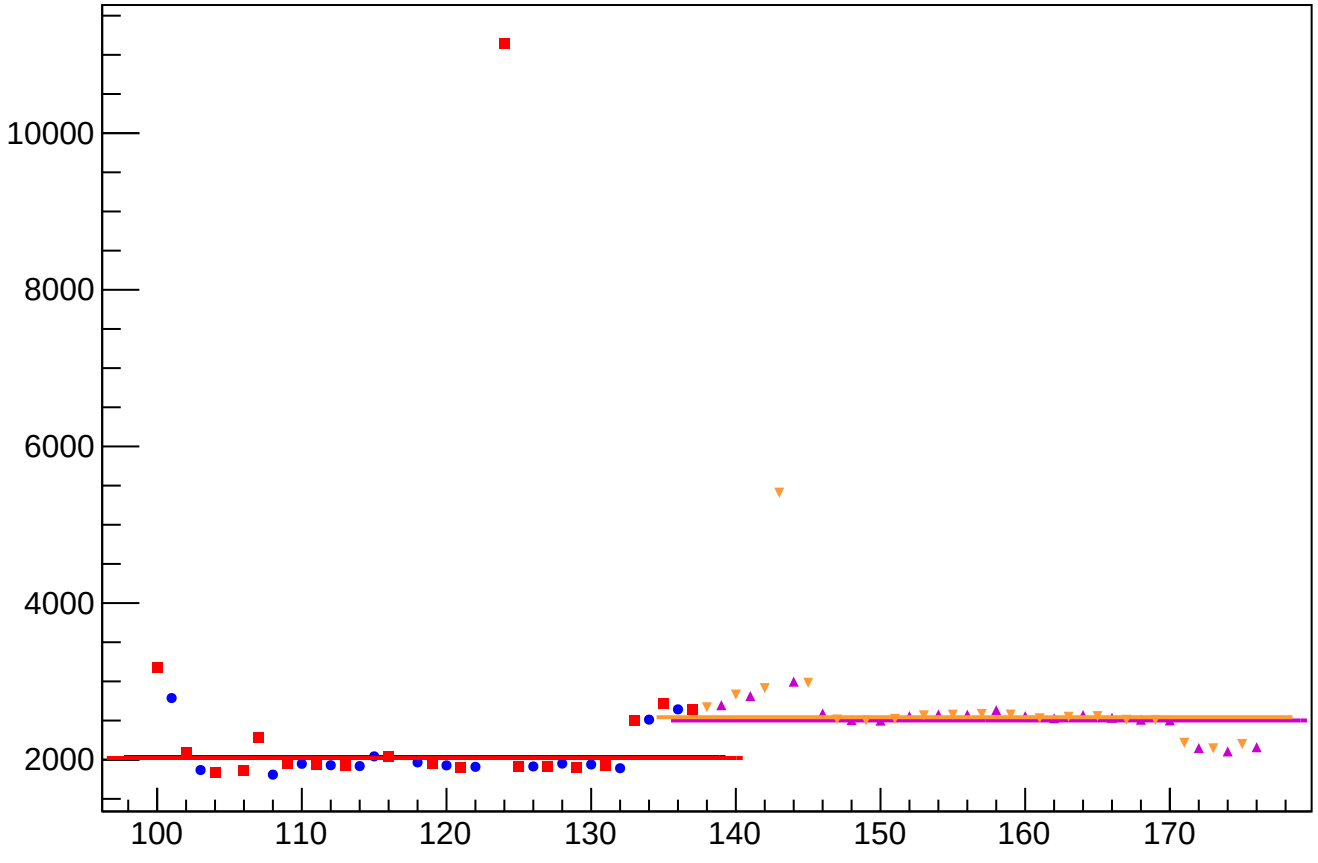
Left In: -2735.812+/-636.986 χ^2/NDF:7.9/18

+ sign 1016.524+/-492.978 χ^2/NDF: 52.8/35

All: -773.388+/-346.514 χ^2/NDF: 105.1/73

- sign -2521.332+/-487.164 χ^2/NDF: 26.3/37

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2542.433+/-0.456 χ^2/NDF:660468.4/19

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

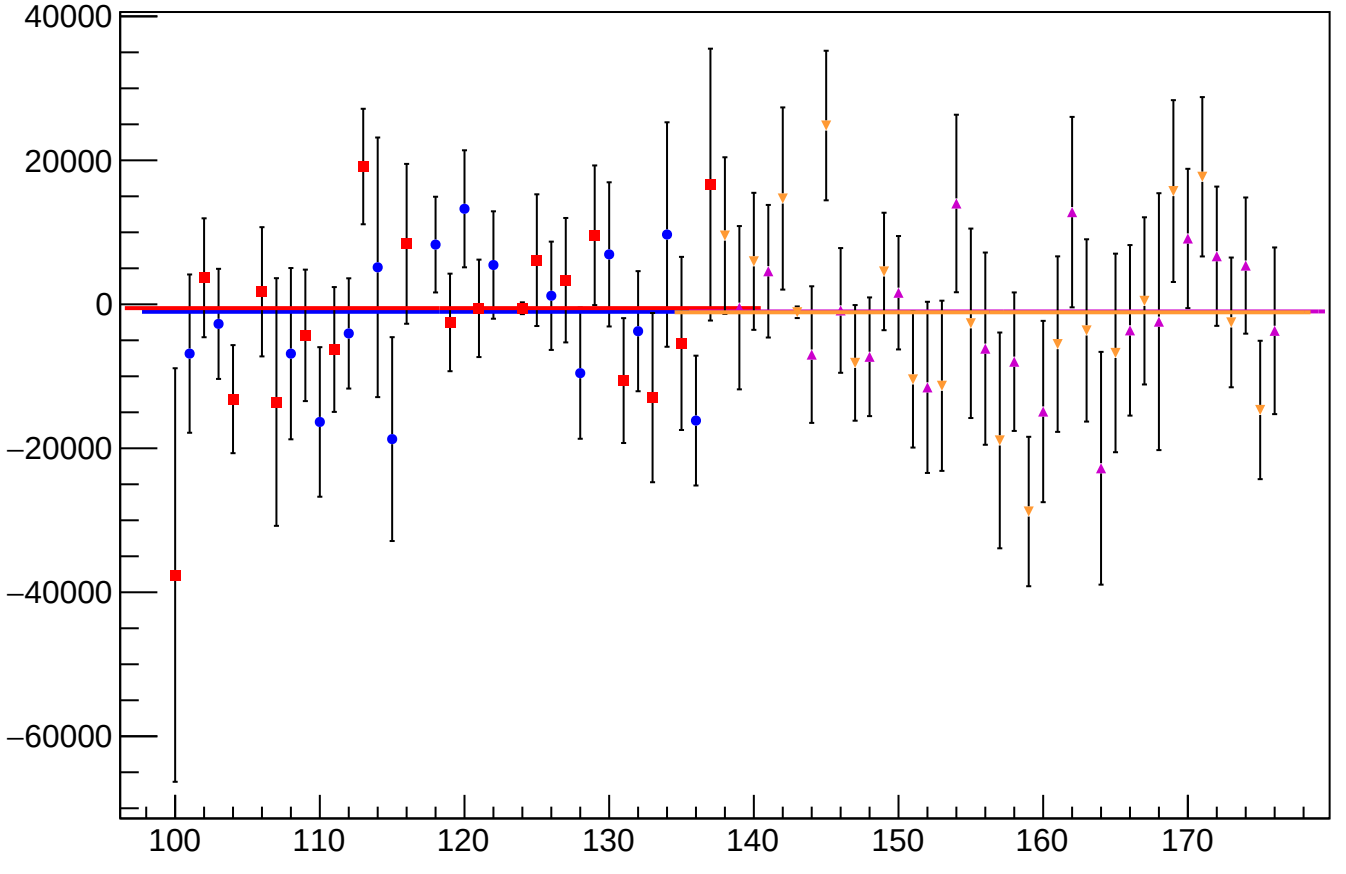
Left In: 2501.048+/-0.450 χ^2/NDF:228202.3/18

+ sign 2331.006+/-0.349 χ^2/NDF: 1439925.9/35

All: 2316.342+/-0.245 χ^2/NDF: 2532344.3/73

- sign 2302.022+/-0.344 χ^2/NDF: 1088920.8/37

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1107.555+/-766.558 χ^2/NDF:27.9/19

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

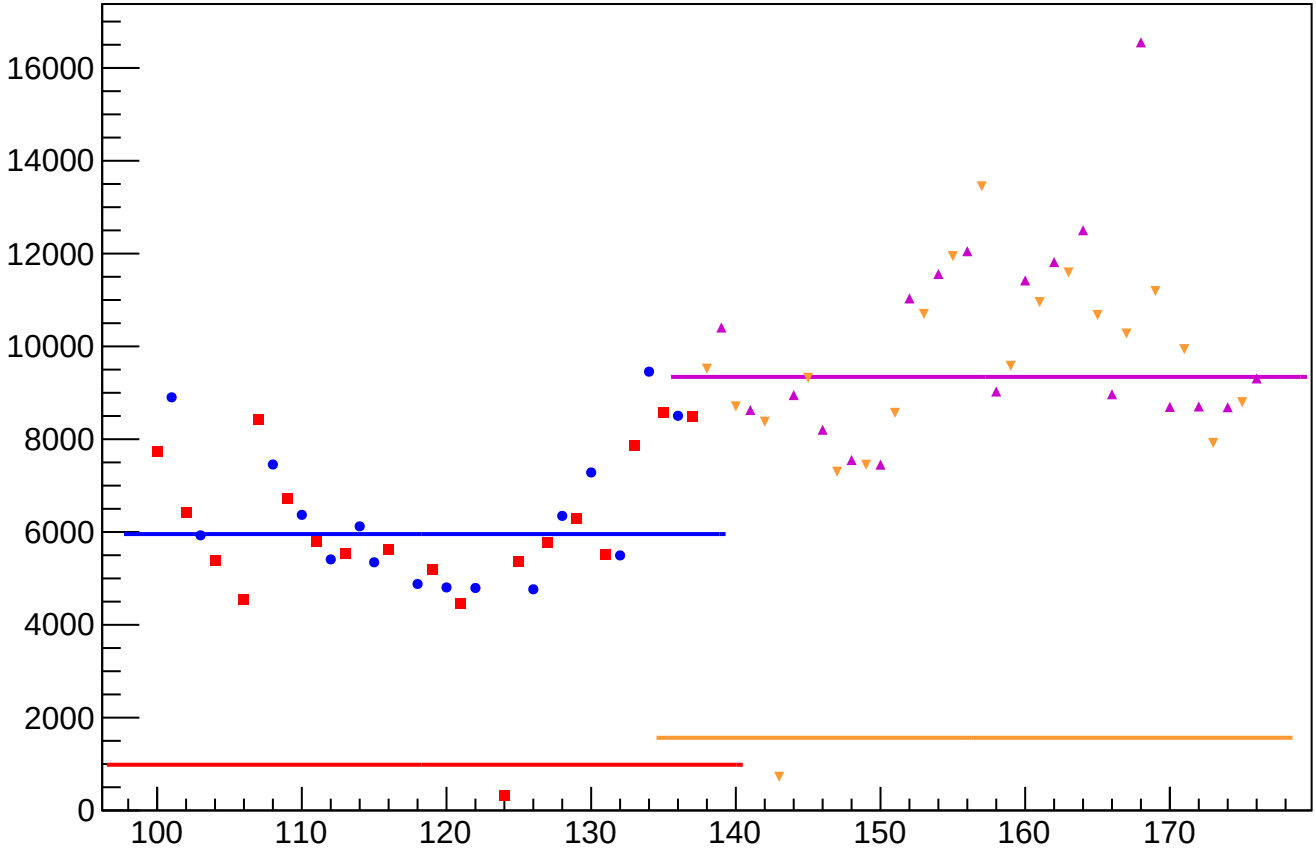
Left In: -989.585+/-2418.071 χ^2/NDF:10.8/18

+ sign -1100.464+/-726.467 χ^2/NDF: 43.2/35

All: -838.560+/-515.608 χ^2/NDF: 72.4/73

- sign -572.708+/-731.922 χ^2/NDF: 28.9/37

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1566.423+/-0.542 χ^2/NDF:22976785.7/19

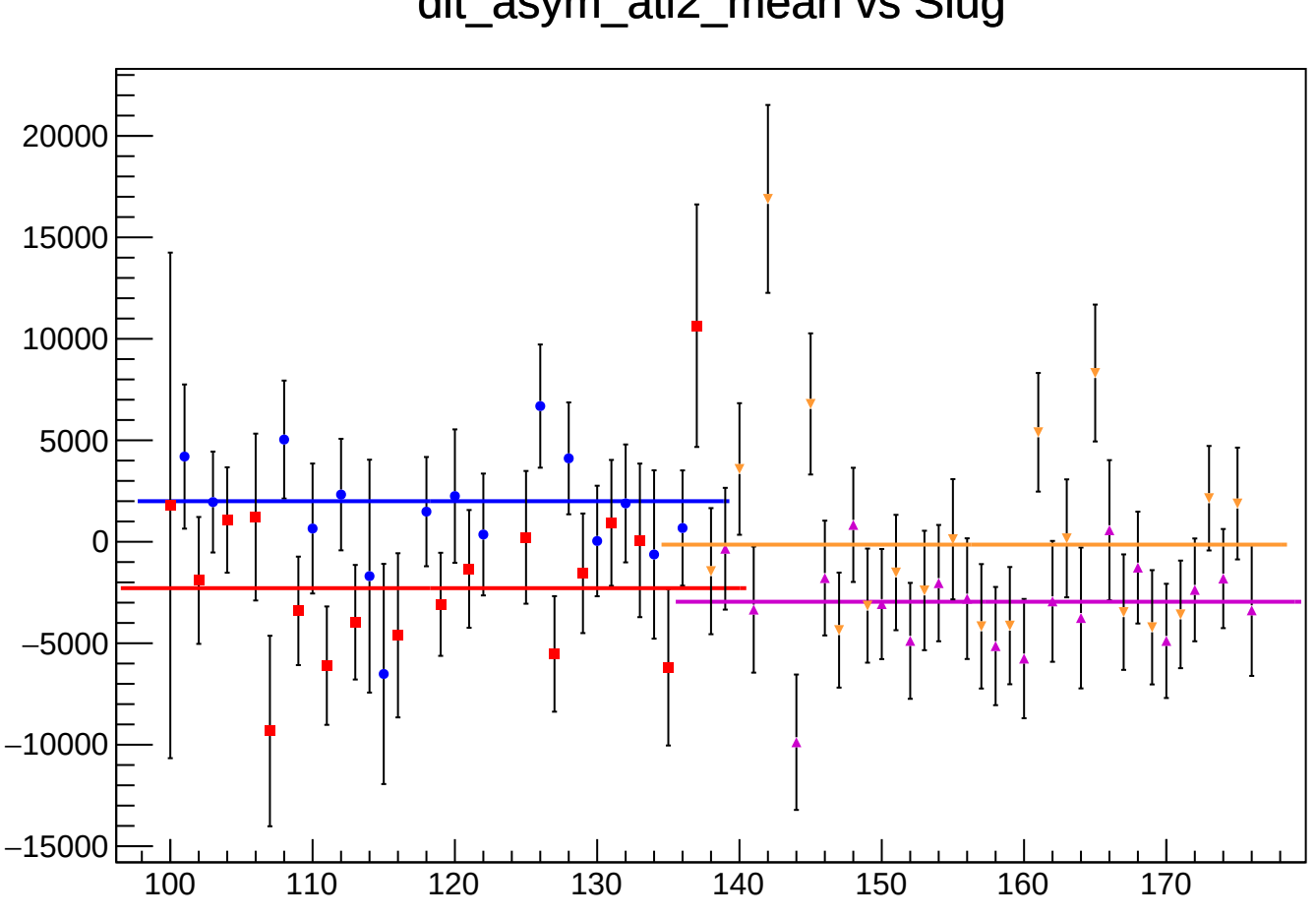
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9342.626+/-1.710 χ^2/NDF:1023648.2/18

+ sign 2013.524+/-0.514 χ^2/NDF: 30345254.1/35

All: 1883.129+/-0.365 χ^2/NDF: 64614625.0/7

- sign 1750.769+/-0.518 χ^2/NDF: 34139530.7/37



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -140.468+/-680.886 χ^2/NDF:43.2/18

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

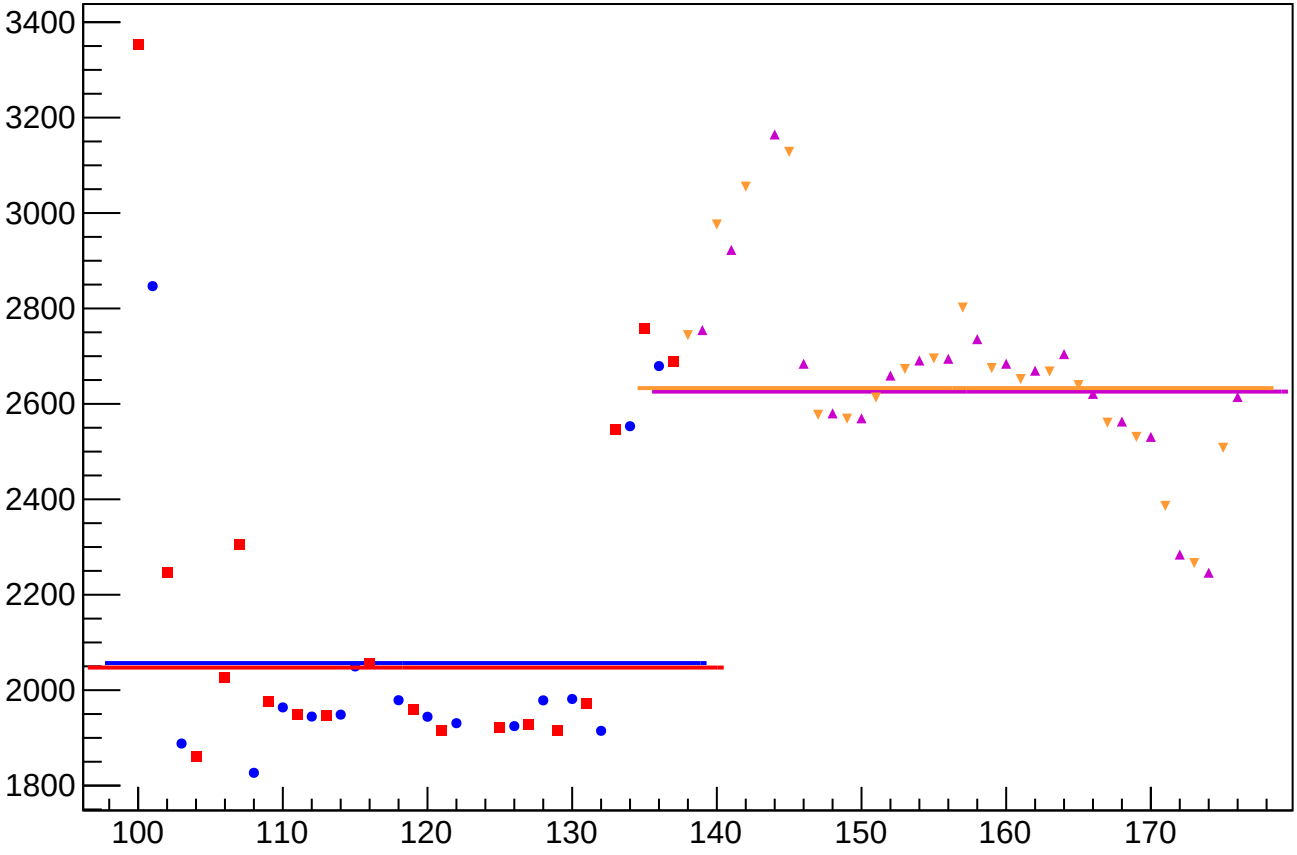
Left In: -2955.165+/-668.161 χ^2/NDF:11.3/18

+ sign 793.619+/-511.094 χ^2/NDF: 56.5/34

All: -958.008+/-359.231 χ^2/NDF: 108.1/71

- sign -2668.240+/-505.018 χ^2/NDF: 28.4/36

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2633.105+/-0.481 χ^2/NDF:158151.6/18

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

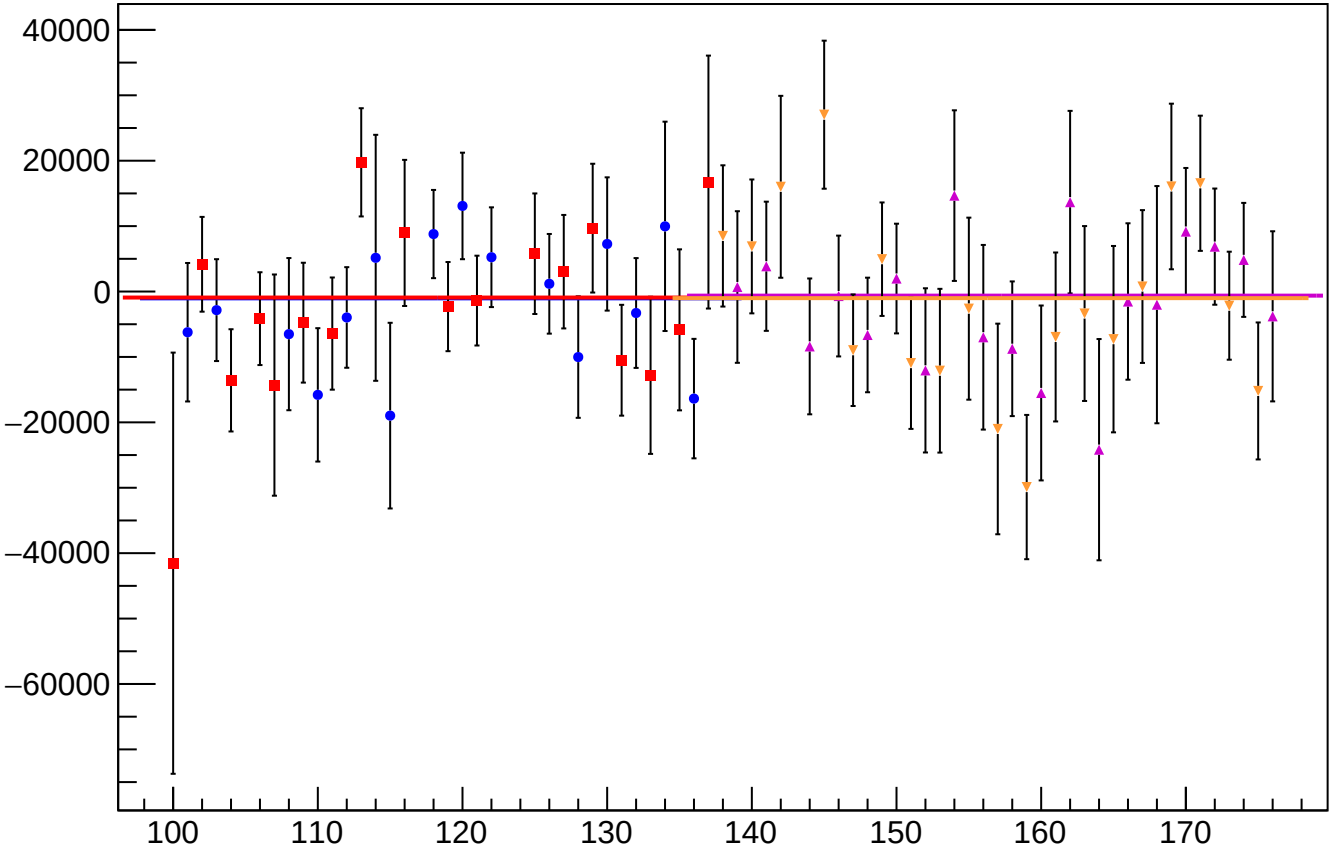
Left In: 2625.737+/-0.472 χ^2/NDF:171909.0/18

+ sign 2381.515+/-0.361 χ^2/NDF: 1054112.3/34

All: 2379.415+/-0.254 χ^2/NDF: 2066110.8/71

- sign 2377.367+/-0.357 χ^2/NDF: 1011931.8/36

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -1011.273+/-2540.991 χ^2/NDF:27.6/18

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

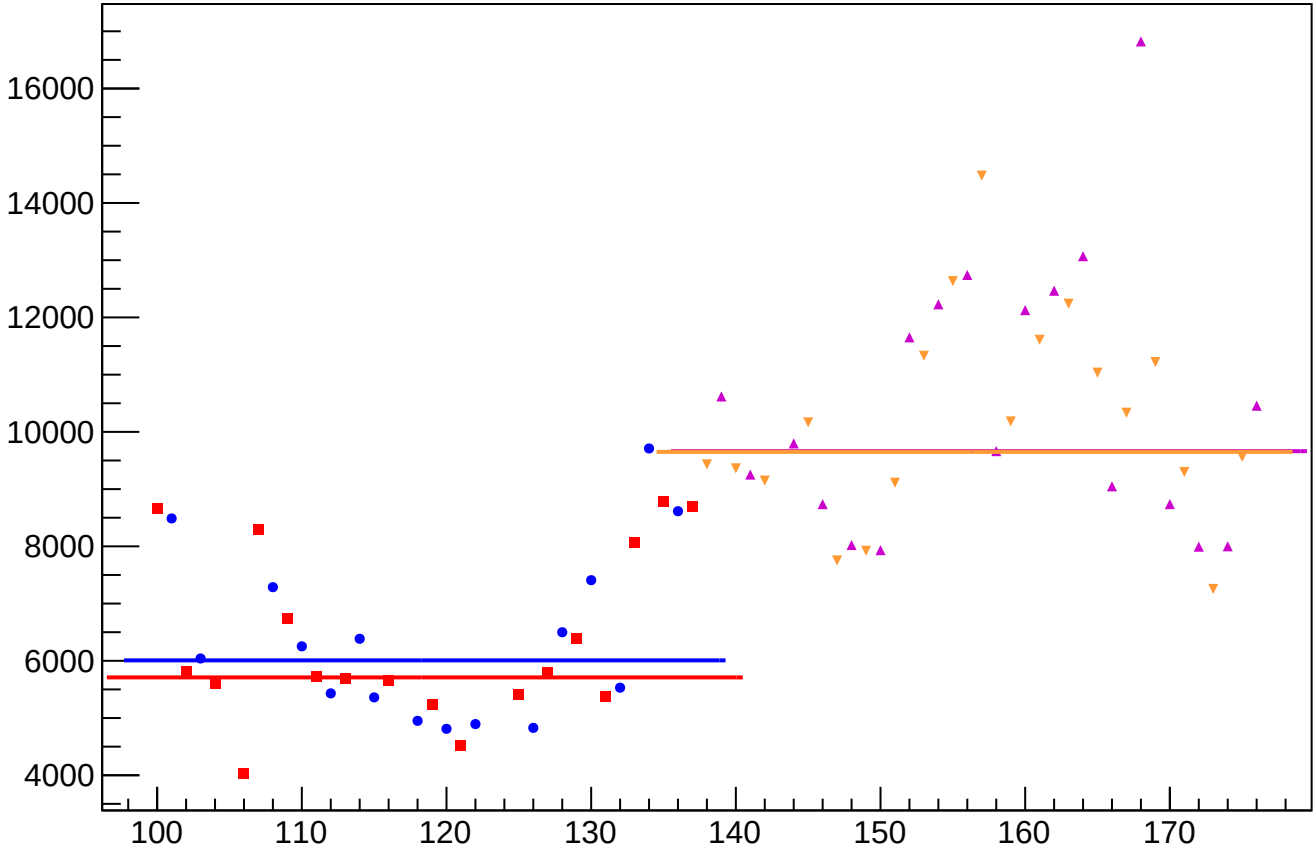
Left In: -627.475+/-2505.945 χ^2/NDF:10.8/18

+ sign -1028.482+/-1702.995 χ^2/NDF: 42.9/34

All: -907.156+/-1178.348 χ^2/NDF: 72.0/71

- sign -795.717+/-1632.134 χ^2/NDF: 29.2/36

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9651.567+/-1.797 χ^2/NDF:853885.2/18

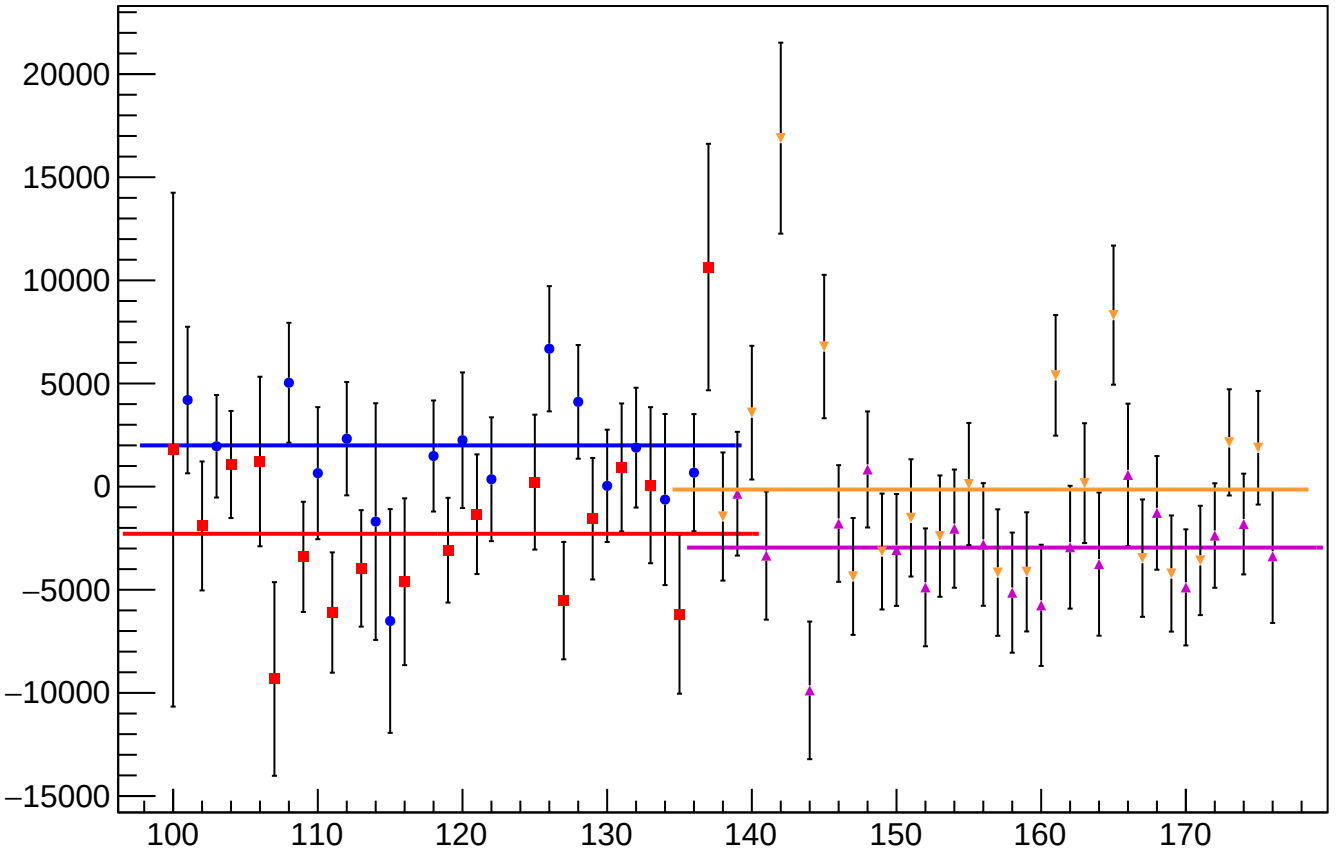
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9662.931+/-1.772 χ^2/NDF:1131396.2/18

+ sign 7644.299+/-1.204 χ^2/NDF: 3773694.9/34

All: 7510.065+/-0.833 χ^2/NDF: 8330486.0/71

- sign 7386.769+/-1.154 χ^2/NDF: 4532951.6/36



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -140.475+/-680.886 χ^2/NDF:43.2/18

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

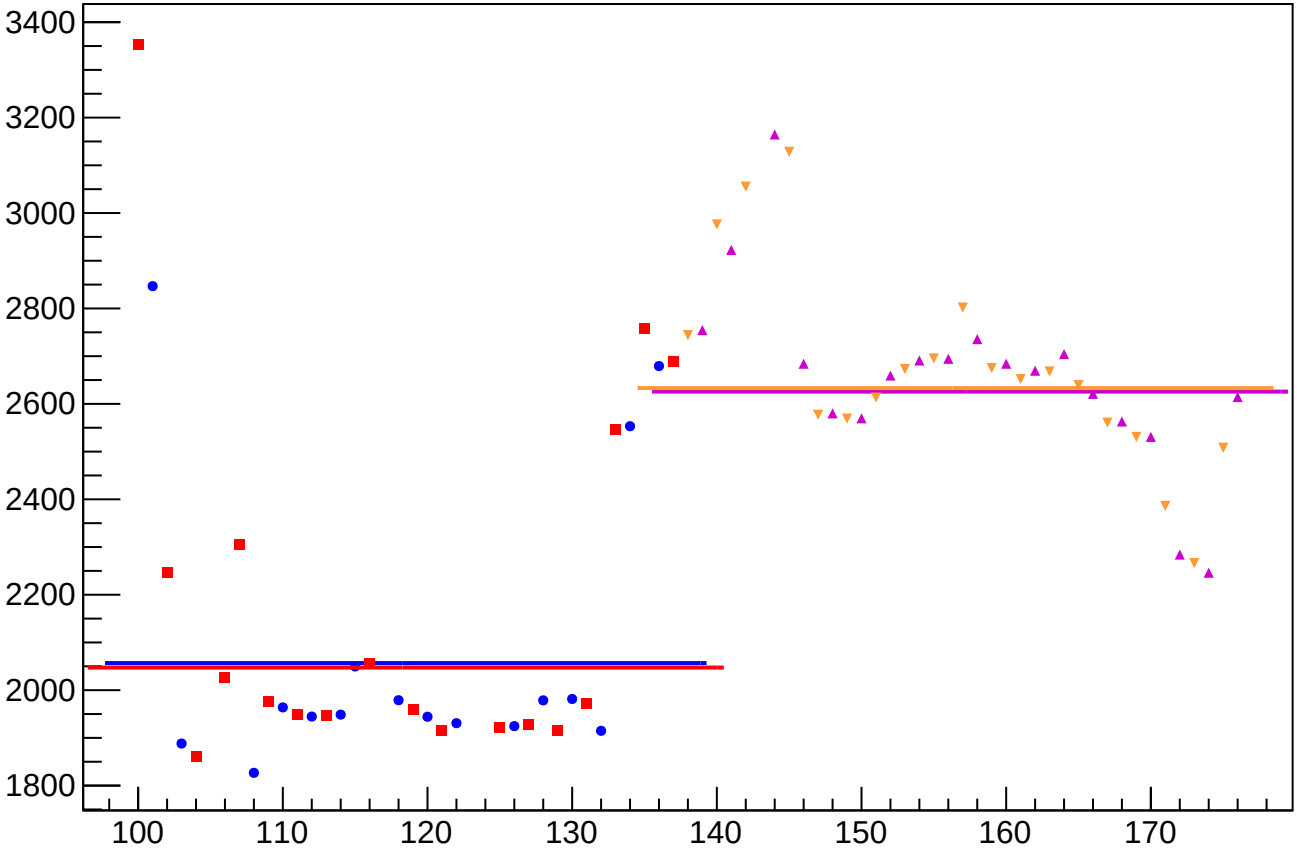
Left In: -2955.164+/-668.161 χ^2/NDF:11.3/18

+ sign 793.617+/-511.094 χ^2/NDF: 56.5/34

All: -958.010+/-359.231 χ^2/NDF: 108.1/71

- sign -2668.242+/-505.018 χ^2/NDF: 28.4/36

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2633.106+/-0.481 χ^2/NDF:158158.2/18

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

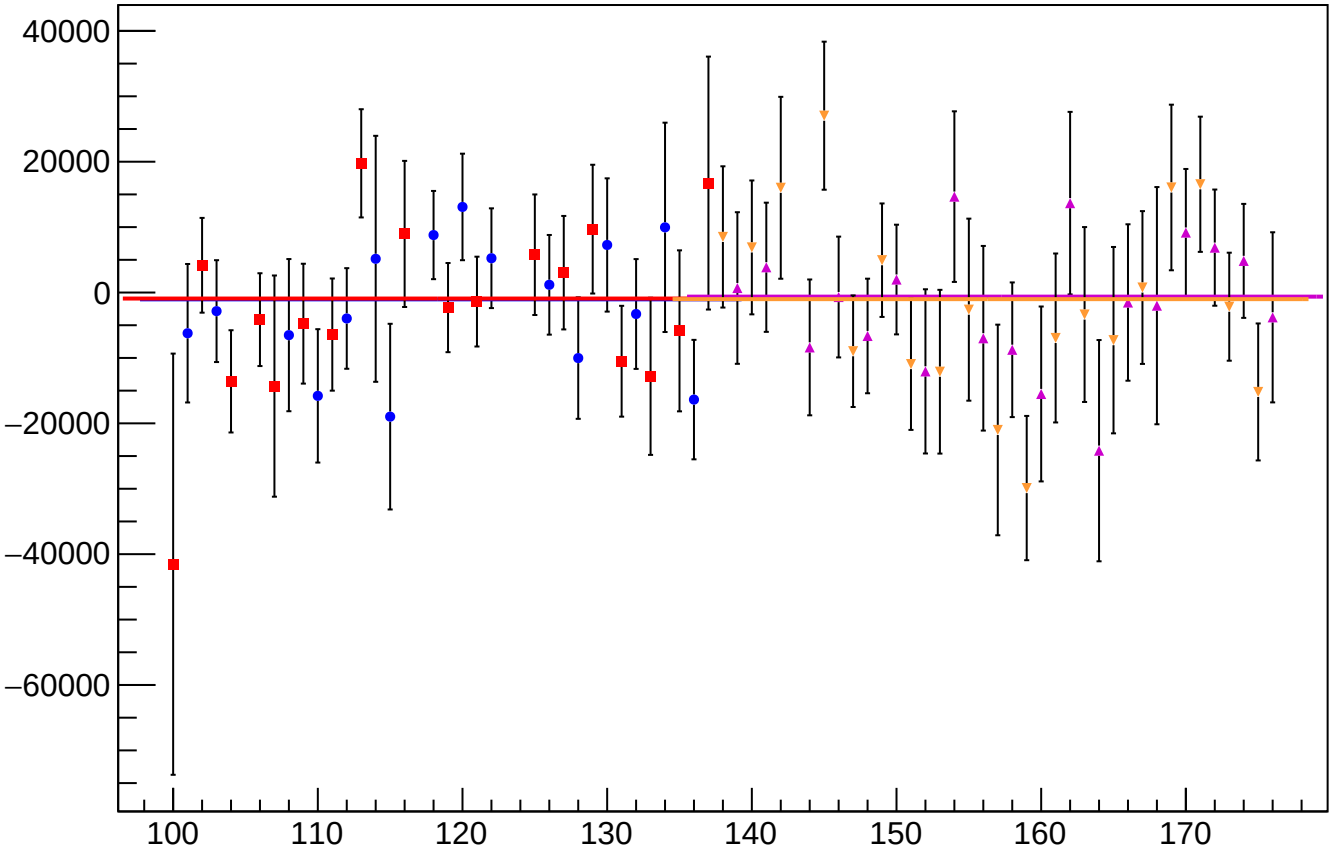
Left In: 2625.738+/-0.472 χ^2/NDF:171915.5/18

+ sign 2381.515+/-0.361 χ^2/NDF: 1054119.5/34

All: 2379.415+/-0.254 χ^2/NDF: 2066127.1/71

- sign 2377.368+/-0.357 χ^2/NDF: 1011941.0/36

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -1011.282+/-2540.996 χ^2/NDF:27.6/18

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

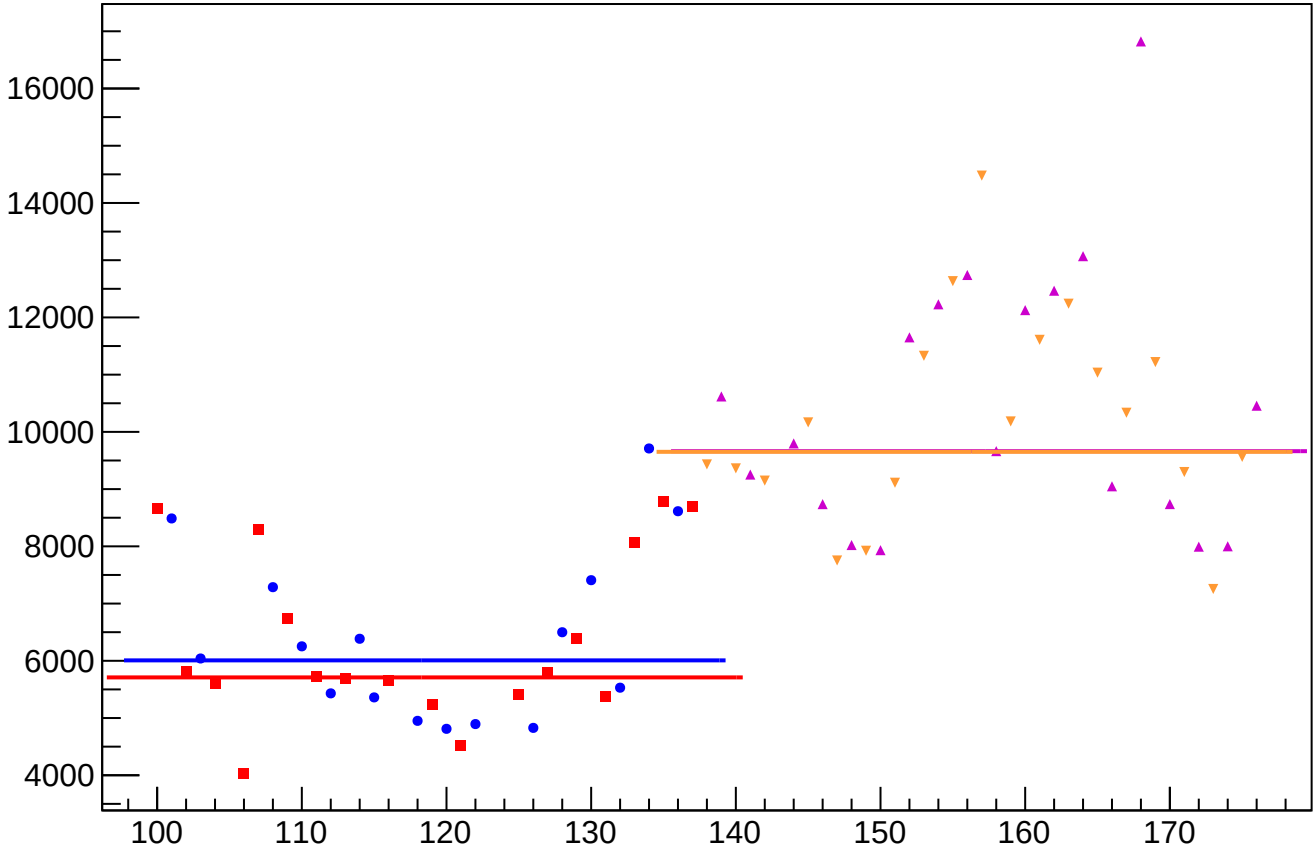
Left In: -627.477+/-2505.949 χ^2/NDF:10.8/18

+ sign -1028.479+/-1702.993 χ^2/NDF: 42.9/34

All: -907.157+/-1178.347 χ^2/NDF: 72.0/71

- sign -795.721+/-1632.132 χ^2/NDF: 29.2/36

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9651.584+/-1.797 χ^2/NDF:853884.7/18

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

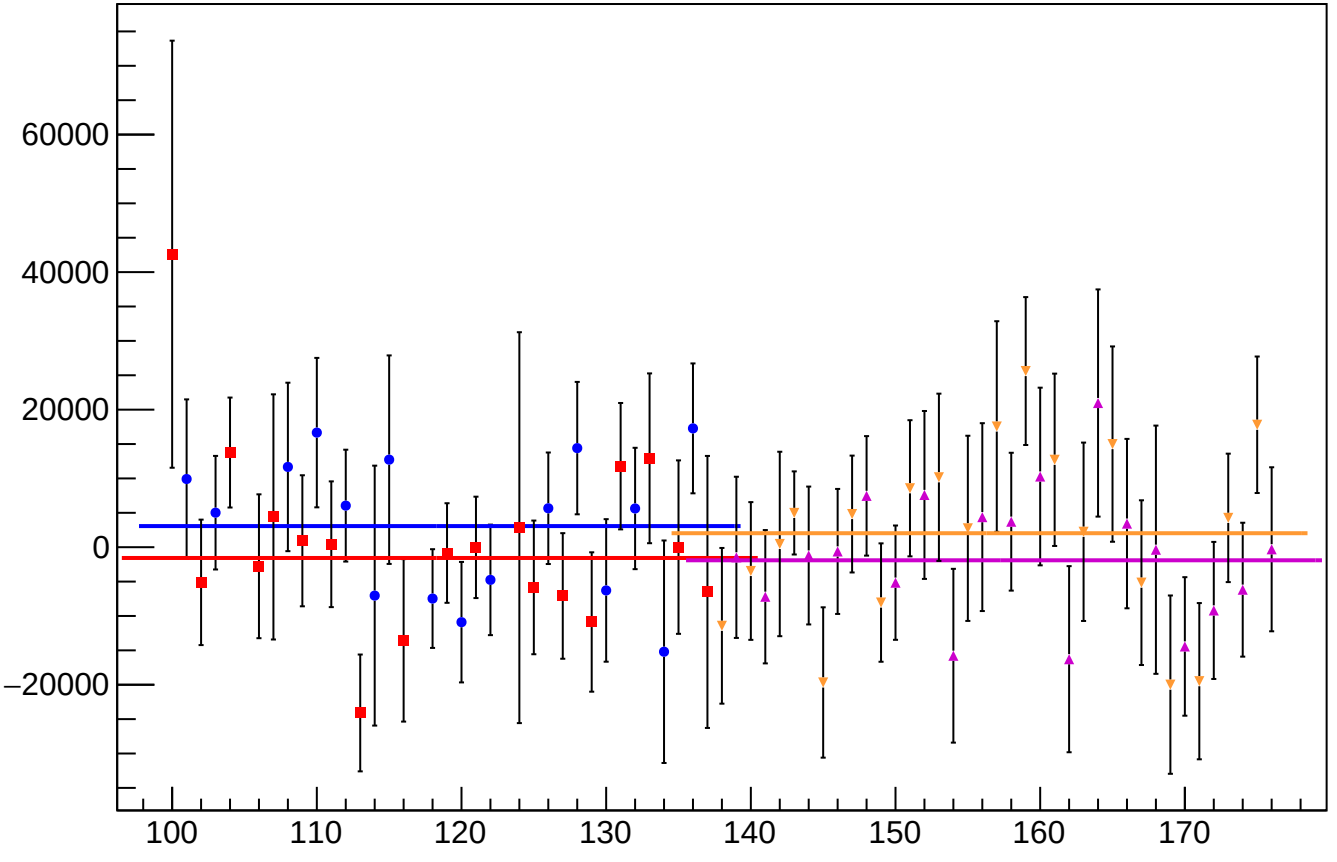
Left In: 9662.946+/-1.772 χ^2/NDF:1131396.6/18

+ sign 7644.287+/-1.204 χ^2/NDF: 3773750.2/34

All: 7510.053+/-0.833 χ^2/NDF: 8330594.4/71

- sign 7386.757+/-1.154 χ^2/NDF: 4533004.7/36

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2033.881+/-2348.001 χ^2/NDF:25.1/19

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

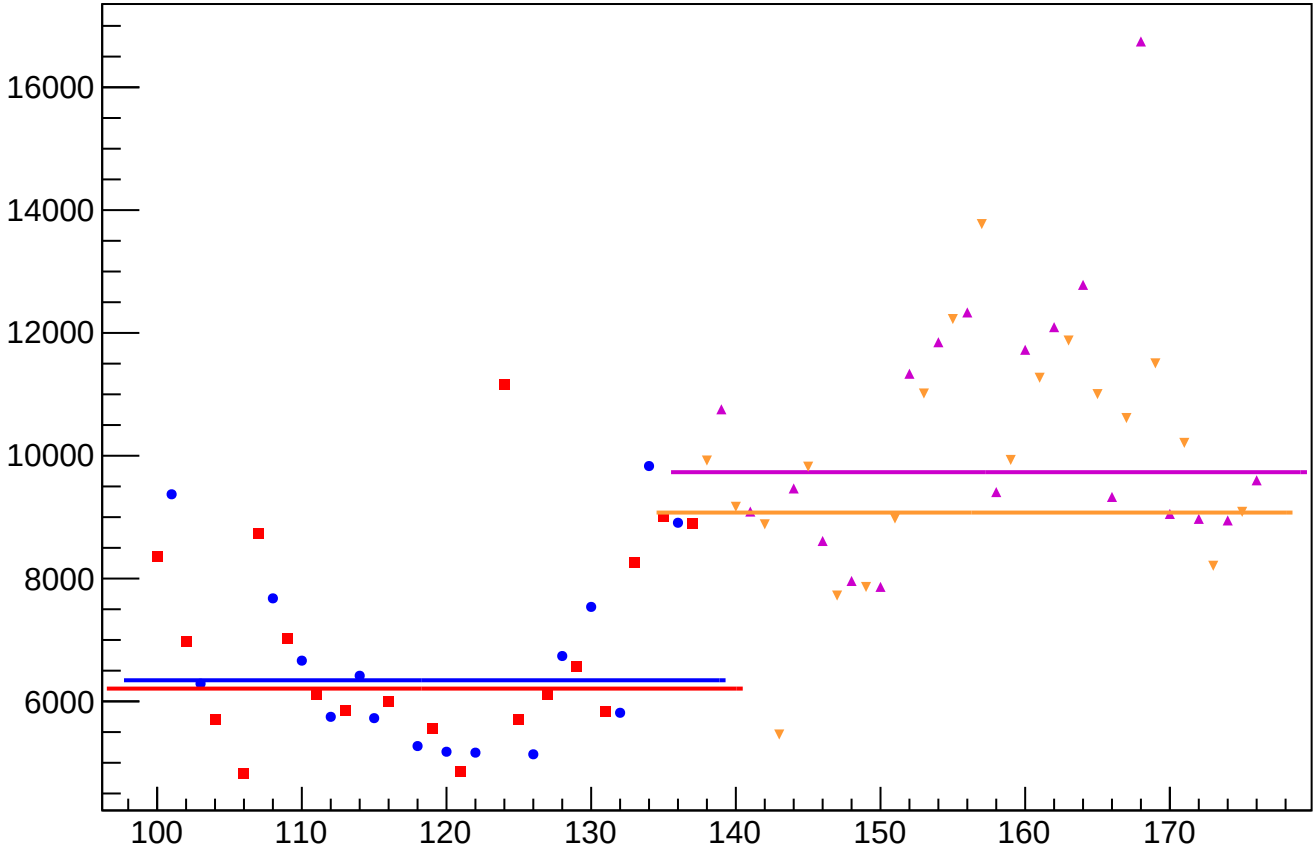
Left In: -1903.857+/-2513.582 χ^2/NDF:10.4/18

+ sign 2536.286+/-1685.410 χ^2/NDF: 40.0/35

All: 438.777+/-1200.743 χ^2/NDF: 72.8/73

- sign -1723.148+/-1711.095 χ^2/NDF: 29.6/37

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9074.749+/-1.660 χ^2/NDF:1520126.8/19

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

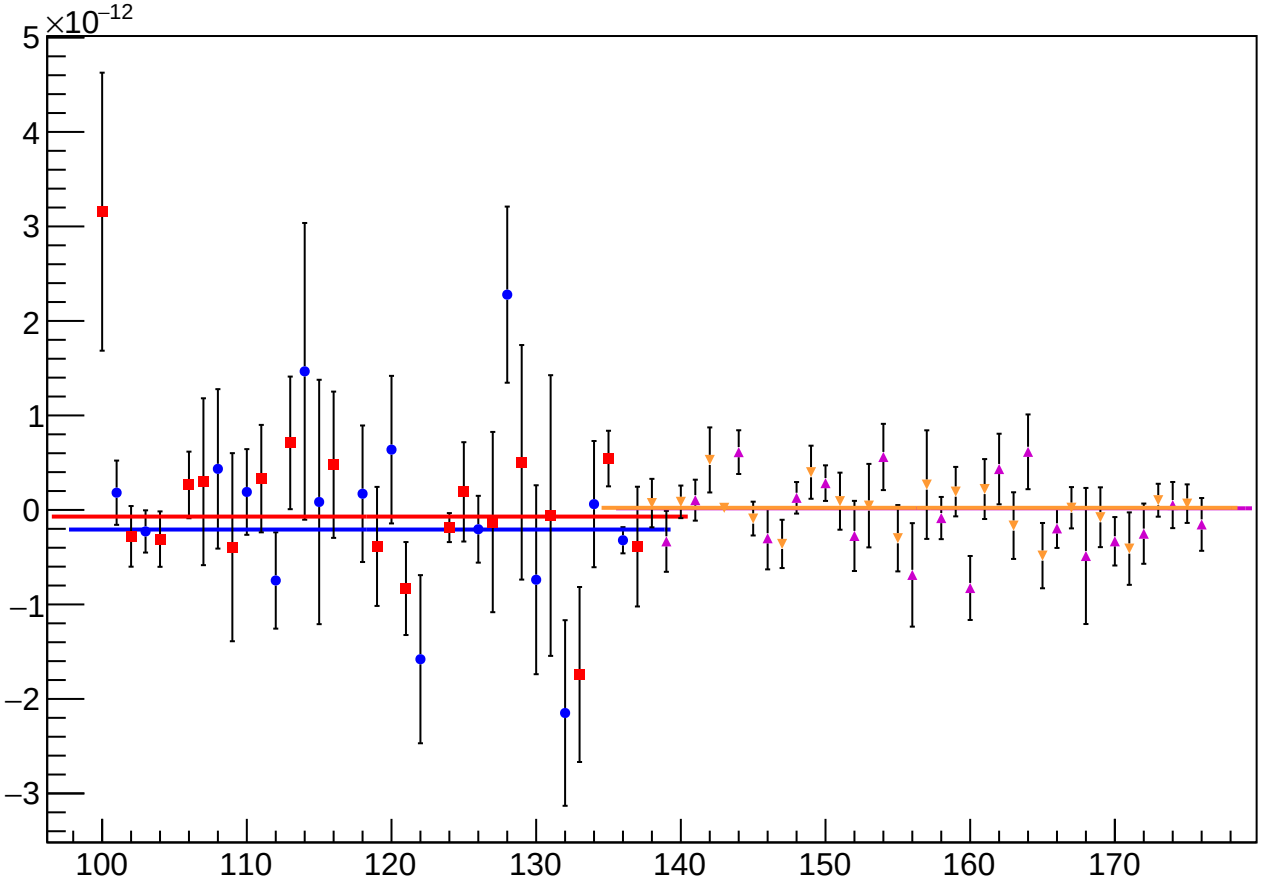
Left In: 9732.350+/-1.777 χ^2/NDF:920109.1/18

+ sign 7750.906+/-1.192 χ^2/NDF: 3452914.3/35

All: 7795.397+/-0.849 χ^2/NDF: 6957411.5/73

- sign 7841.254+/-1.210 χ^2/NDF: 3501667.0/37

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:12.7/19

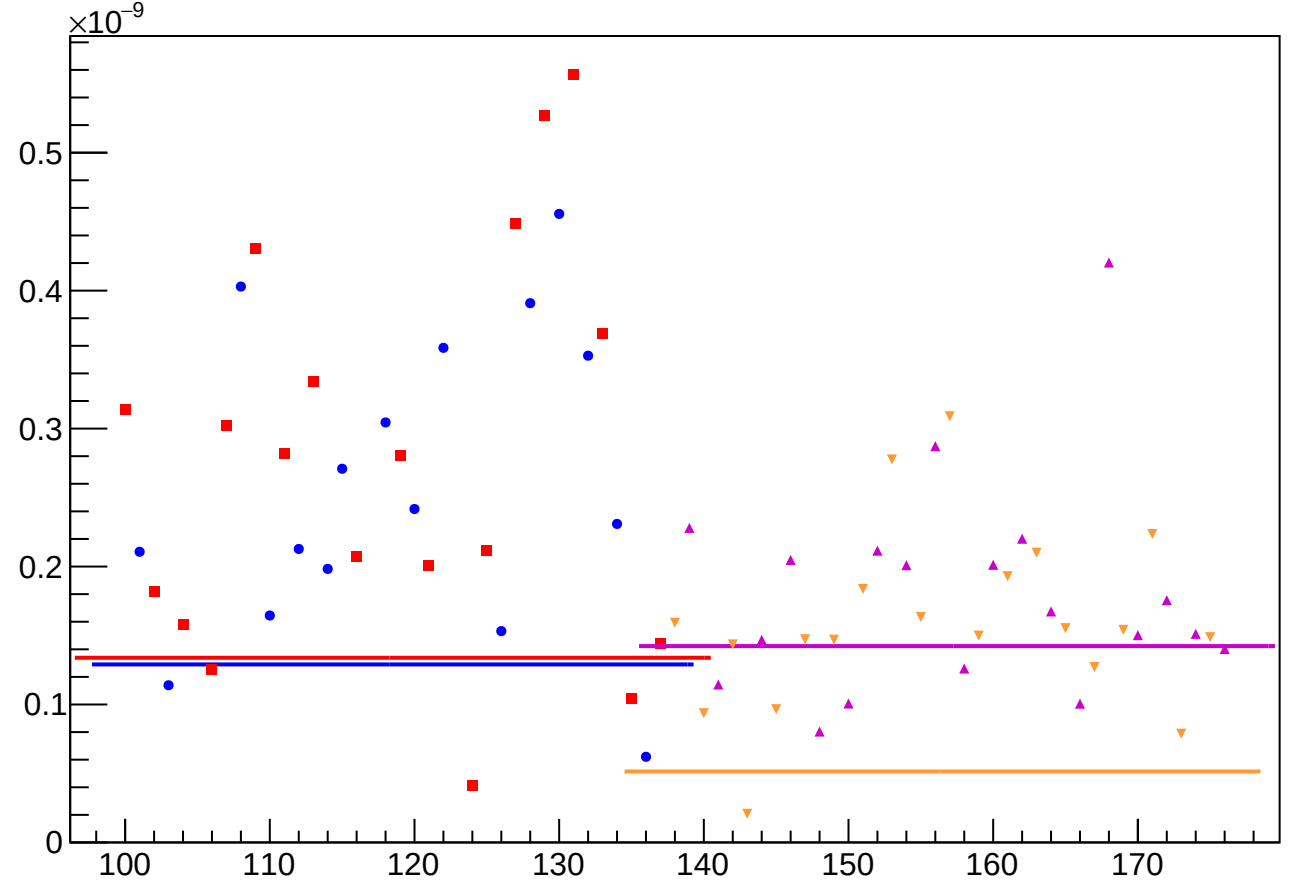
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:30.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 39.0/35

All: -0.000+/-0.000 χ^2/NDF: 90.9/73

- sign -0.000+/-0.000 χ^2/NDF: 51.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6884107.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

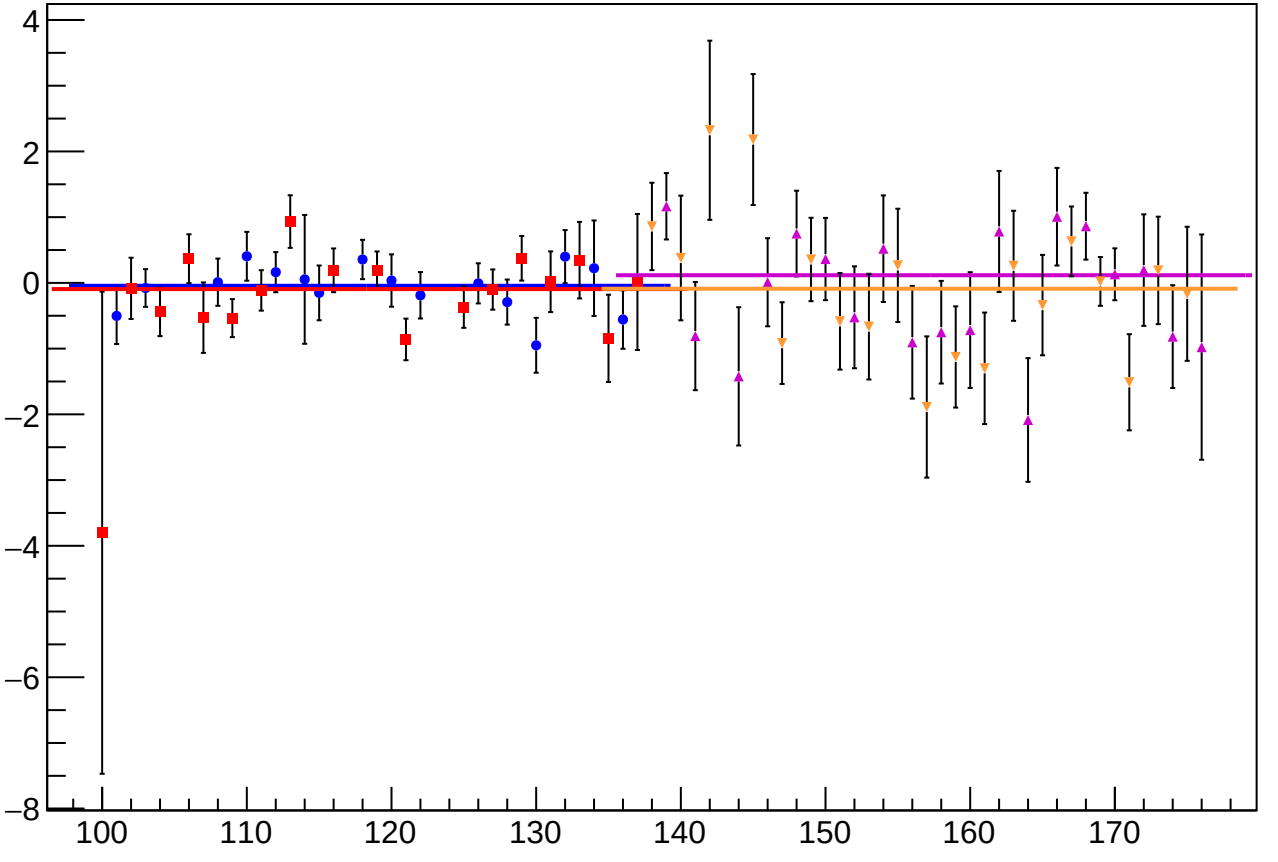
Left In: 0.000+/-0.000 χ^2/NDF:1457624.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 9807875.0/35

All: 0.000+/-0.000 χ^2/NDF: 17317574.1/73

- sign 0.000+/-0.000 χ^2/NDF: 3773151.8/37

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.089+/-0.164 χ^2/NDF:26.8/18

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

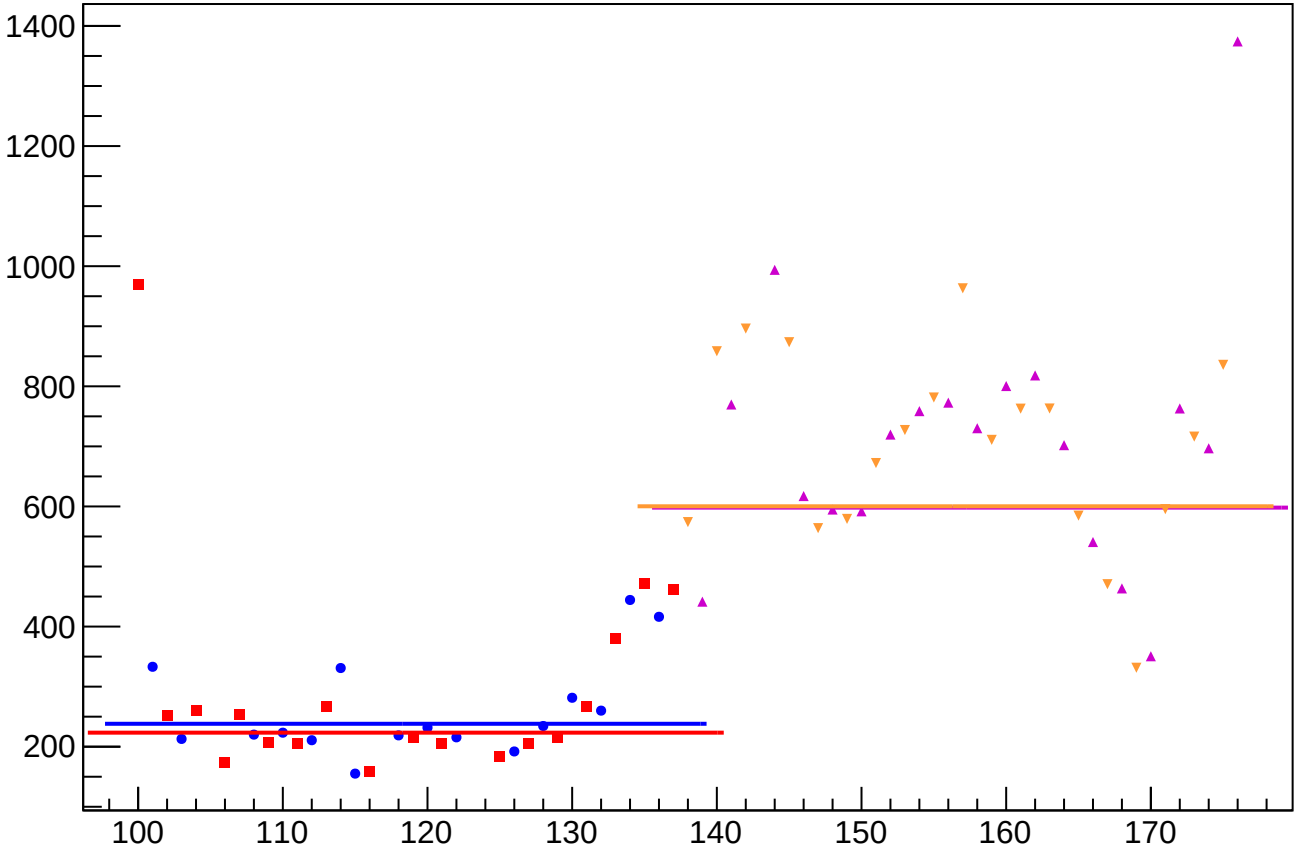
Left In: 0.117+/-0.161 χ^2/NDF:24.8/18

+ sign -0.055+/-0.081 χ^2/NDF: 39.9/34

All: -0.049+/-0.057 χ^2/NDF: 91.3/71

- sign -0.044+/-0.079 χ^2/NDF: 51.3/36

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 600.261+/-0.116 χ^2/NDF:2297107.4/18

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

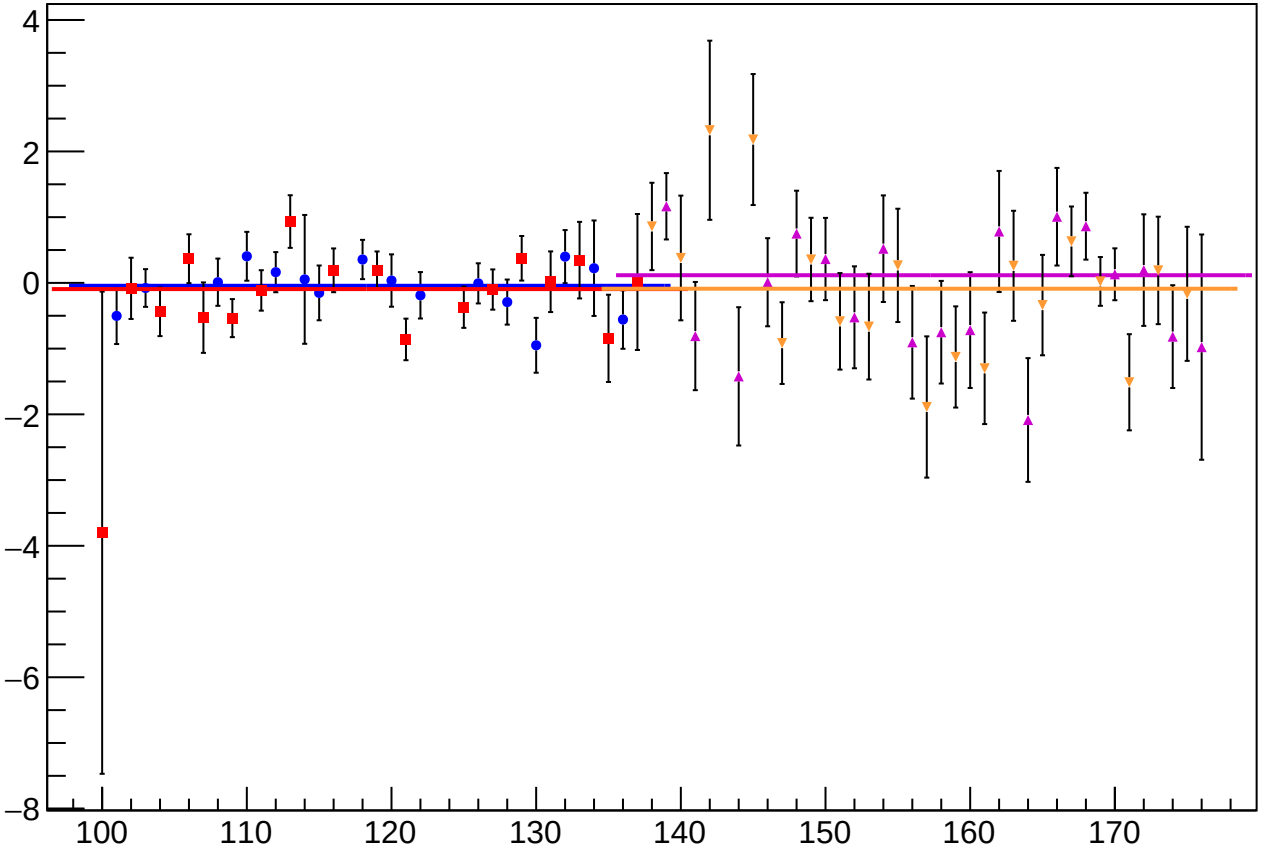
Left In: 598.048+/-0.114 χ^2/NDF:2532253.3/18

+ sign 327.012+/-0.058 χ^2/NDF: 10417388.0/34

All: 319.648+/-0.040 χ^2/NDF: 22108855.0/71

- sign 312.802+/-0.056 χ^2/NDF: 11659946.1/36

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.089+/-0.164 χ^2/NDF:26.8/18

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

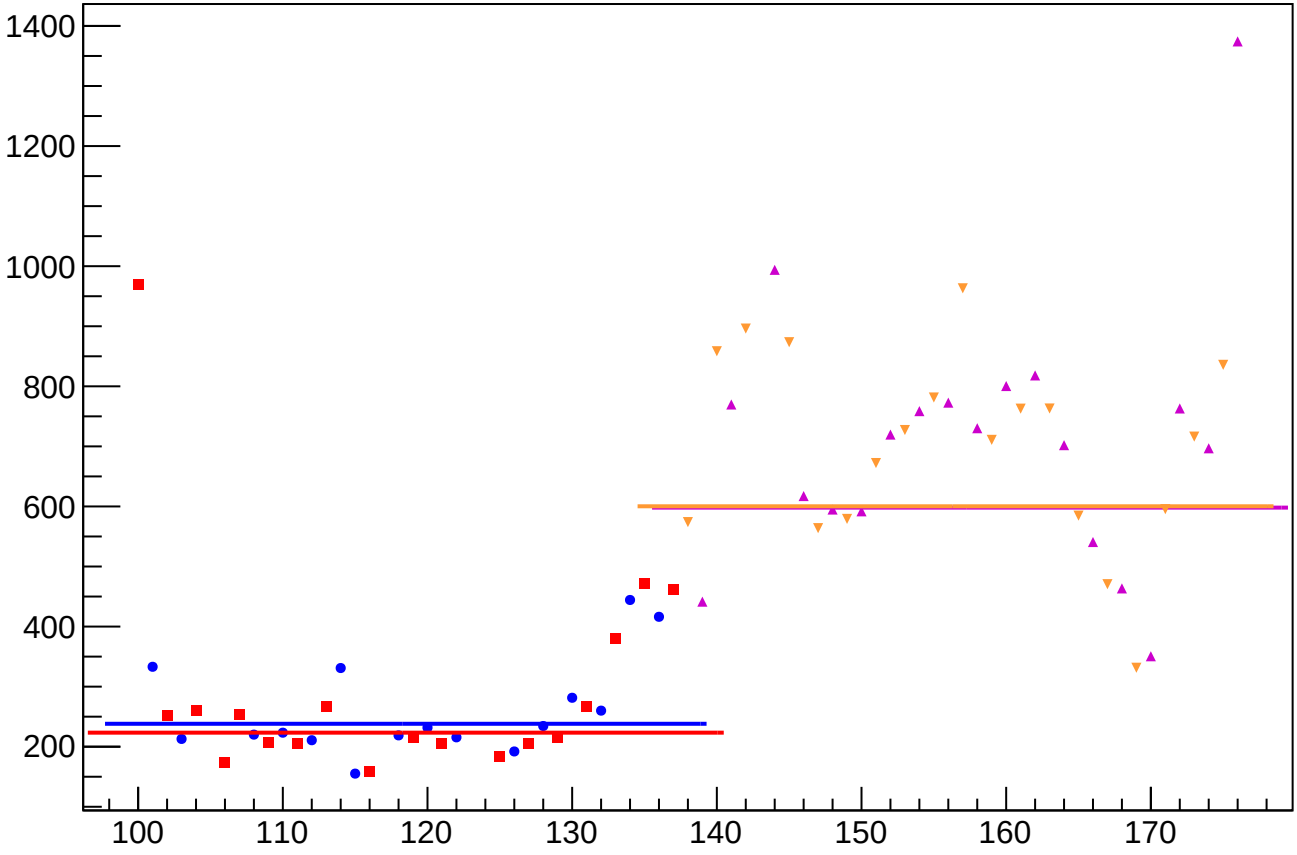
Left In: 0.117+/-0.161 χ^2/NDF:24.8/18

+ sign -0.055+/-0.081 χ^2/NDF: 39.9/34

All: -0.049+/-0.057 χ^2/NDF: 91.3/71

- sign -0.044+/-0.079 χ^2/NDF: 51.3/36

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 600.261+/-0.116 χ^2/NDF:2297107.4/18

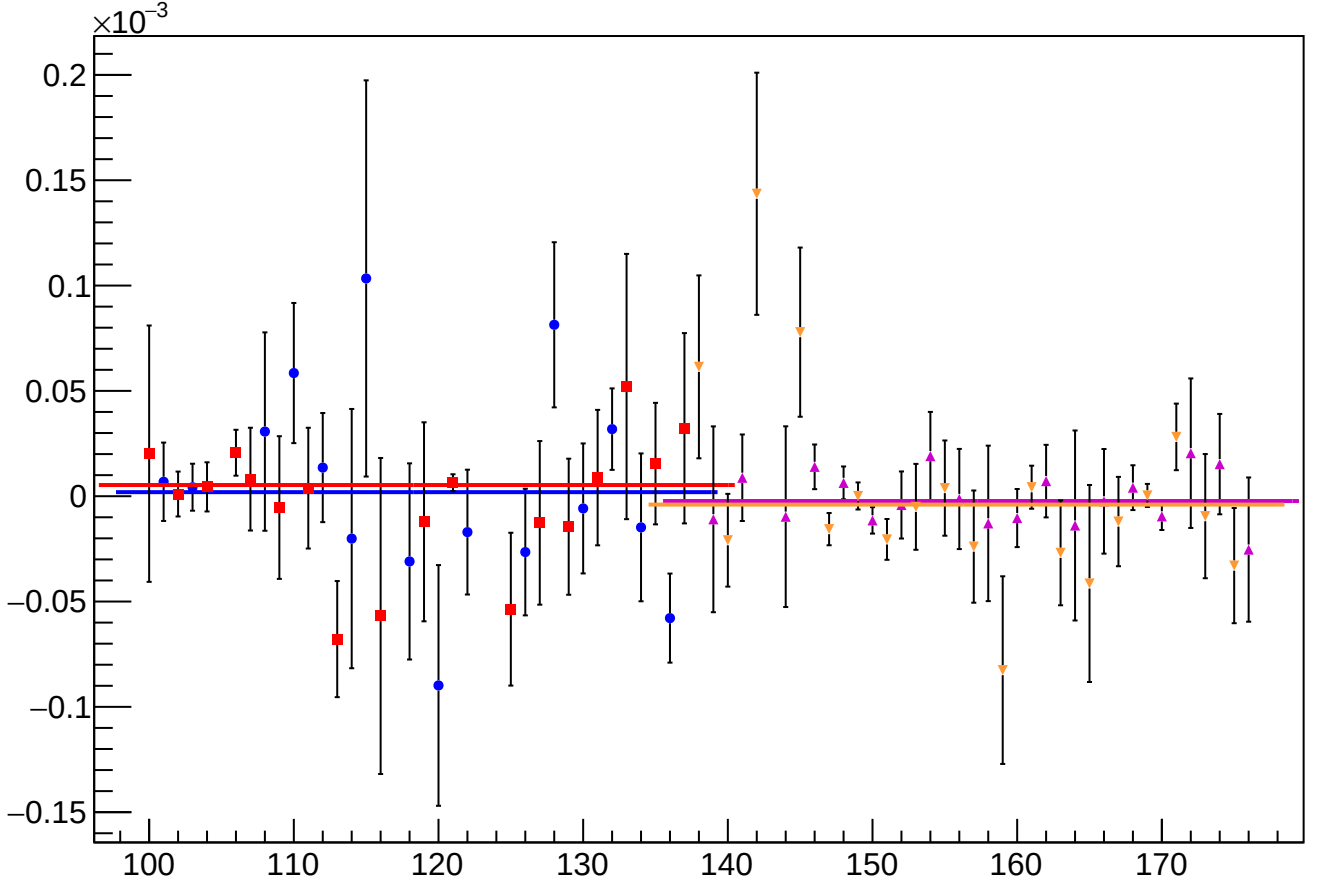
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 598.048+/-0.114 χ^2/NDF:2532253.3/18

+ sign 327.012+/-0.058 χ^2/NDF: 10417388.0/34

All: 319.648+/-0.040 χ^2/NDF: 22108855.0/71

- sign 312.802+/-0.056 χ^2/NDF: 11659946.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.2/18

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

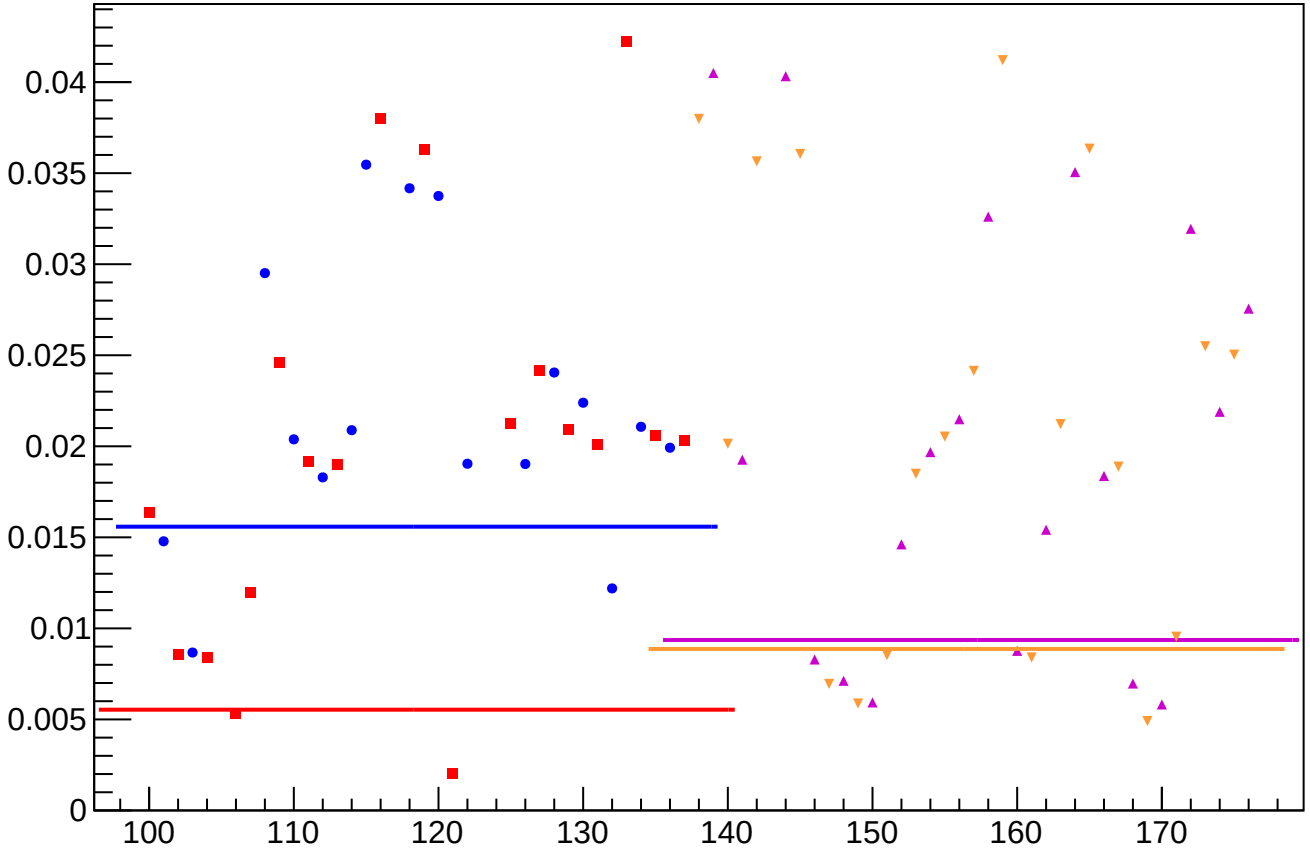
Left In: -0.000+/-0.000 χ^2/NDF:10.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 56.0/34

All: -0.000+/-0.000 χ^2/NDF: 85.9/71

- sign 0.000+/-0.000 χ^2/NDF: 28.5/36

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:10043243.7/18

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

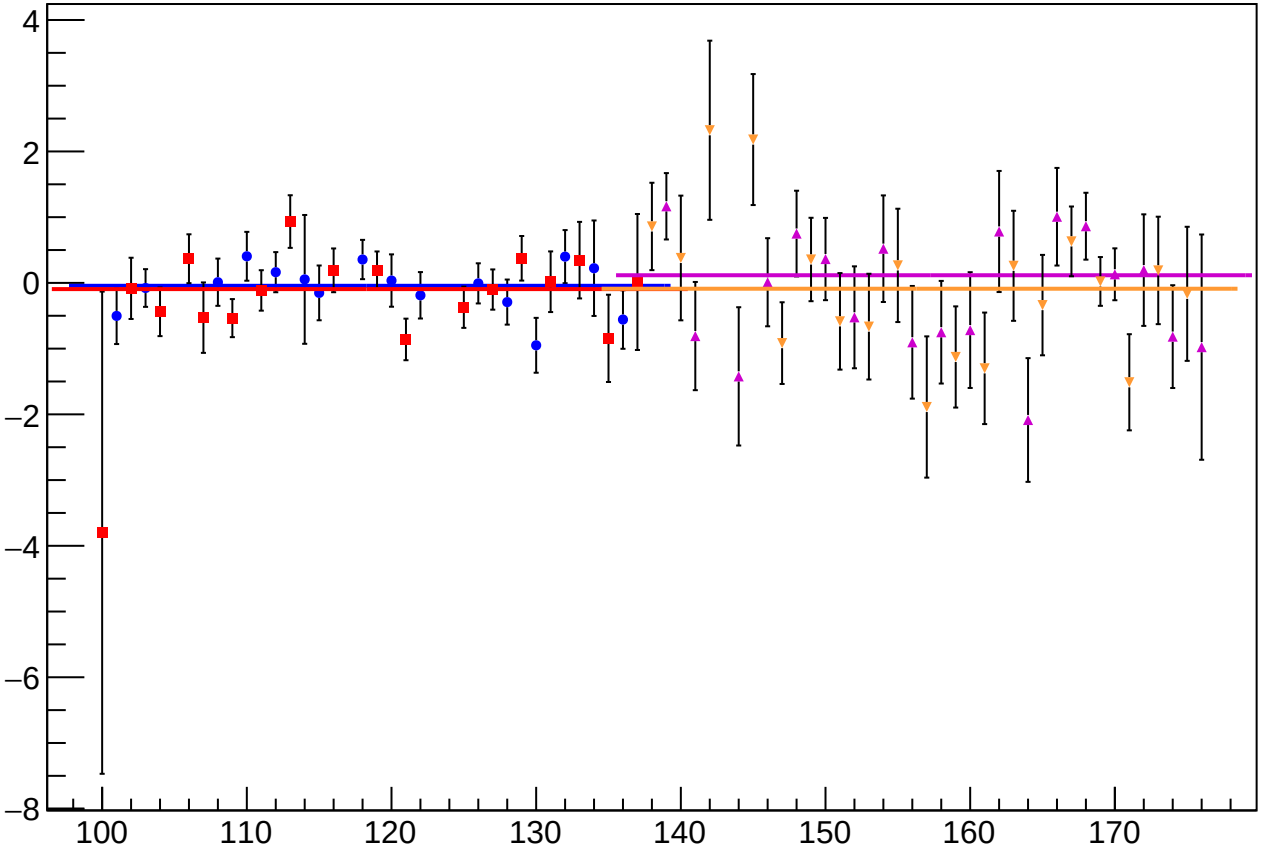
Left In: 0.009+/-0.000 χ^2/NDF:9092025.3/18

+ sign 0.010+/-0.000 χ^2/NDF: 13946418.1/34

All: 0.009+/-0.000 χ^2/NDF: 33545171.4/71

- sign 0.008+/-0.000 χ^2/NDF: 18561446.2/36

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.089+/-0.164 χ^2/NDF:26.8/18

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

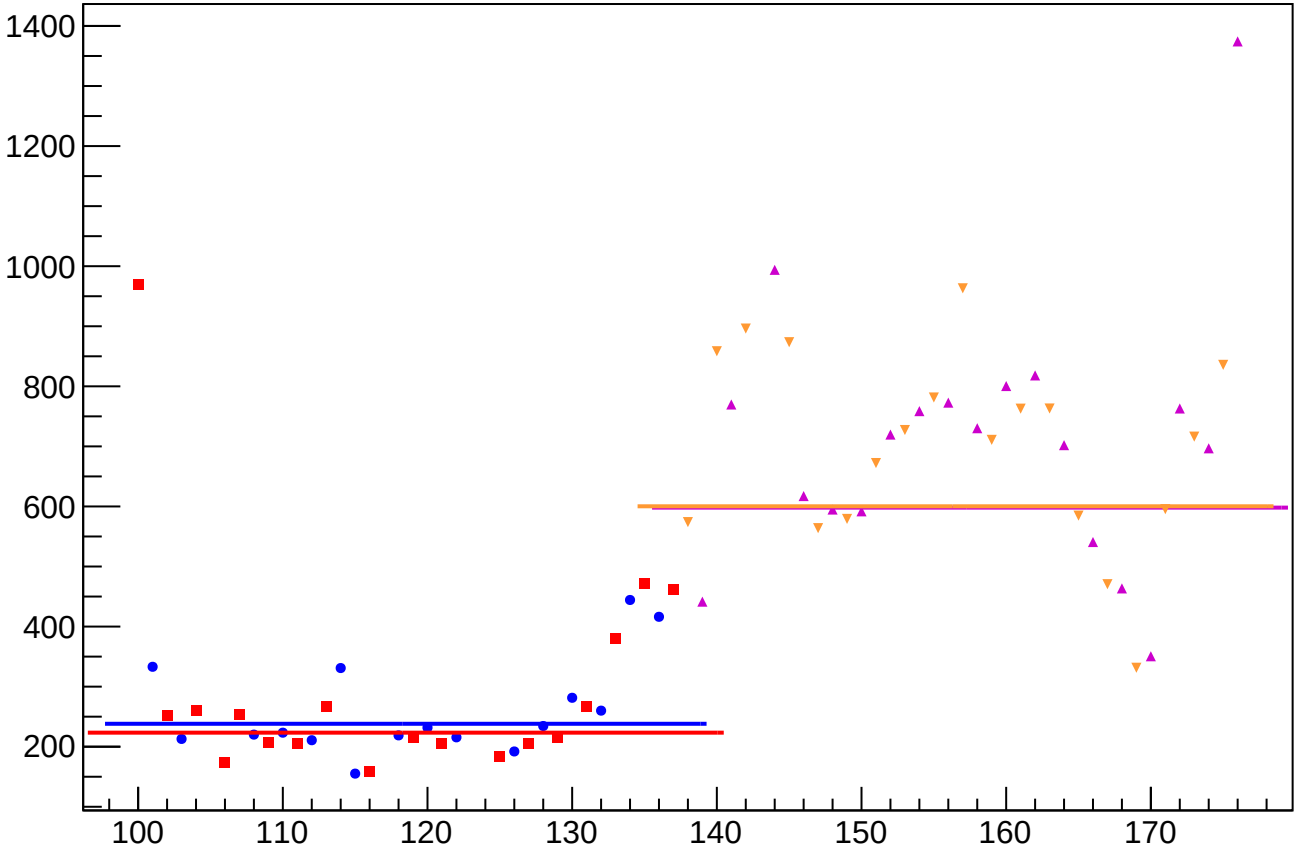
Left In: 0.117+/-0.161 χ^2/NDF:24.8/18

+ sign -0.055+/-0.081 χ^2/NDF: 39.9/34

All: -0.049+/-0.057 χ^2/NDF: 91.3/71

- sign -0.044+/-0.079 χ^2/NDF: 51.3/36

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 600.265+/-0.116 χ^2/NDF:2297155.5/18

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

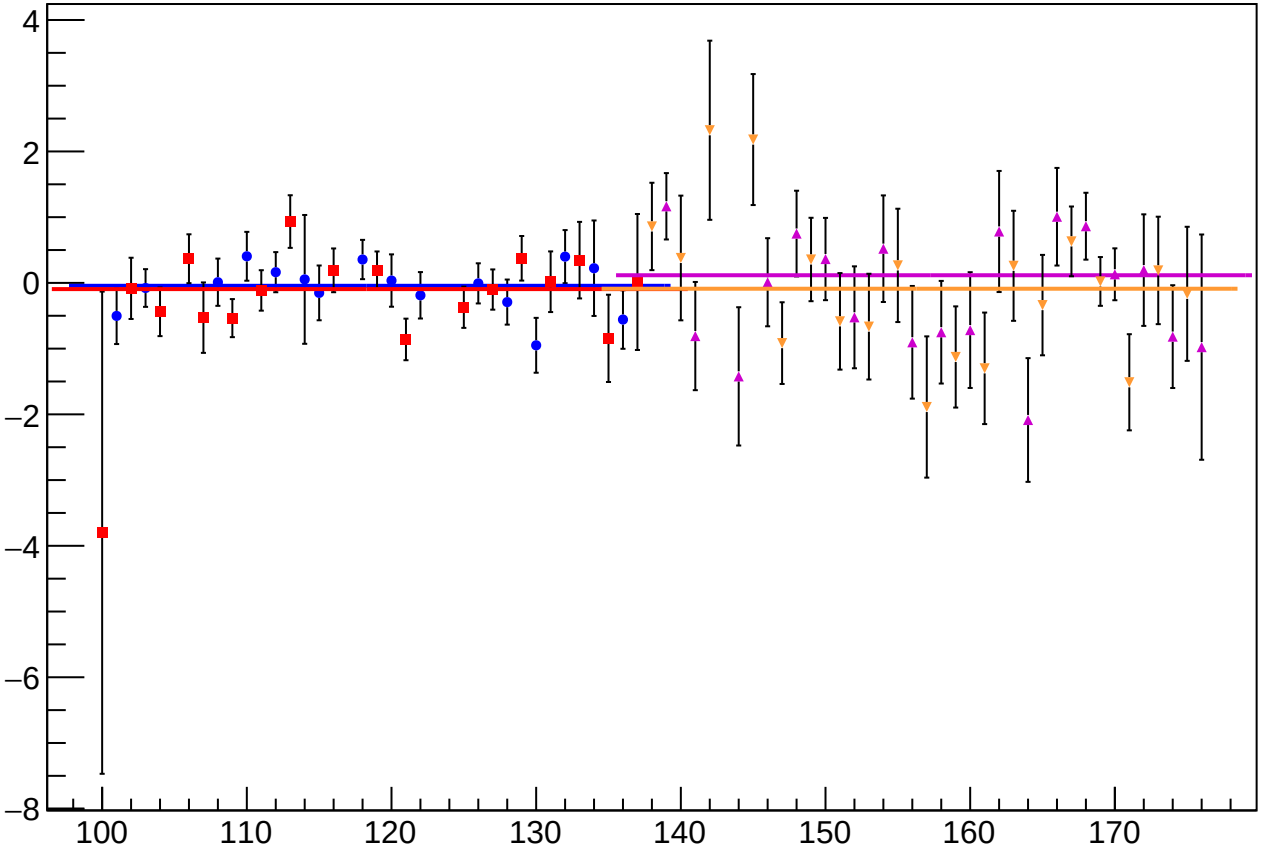
Left In: 598.053+/-0.114 χ^2/NDF:2532231.4/18

+ sign 327.012+/-0.058 χ^2/NDF: 10417435.6/34

All: 319.649+/-0.040 χ^2/NDF: 22108876.2/71

- sign 312.804+/-0.056 χ^2/NDF: 11659924.2/36

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.089+/-0.164 χ^2/NDF:26.8/18

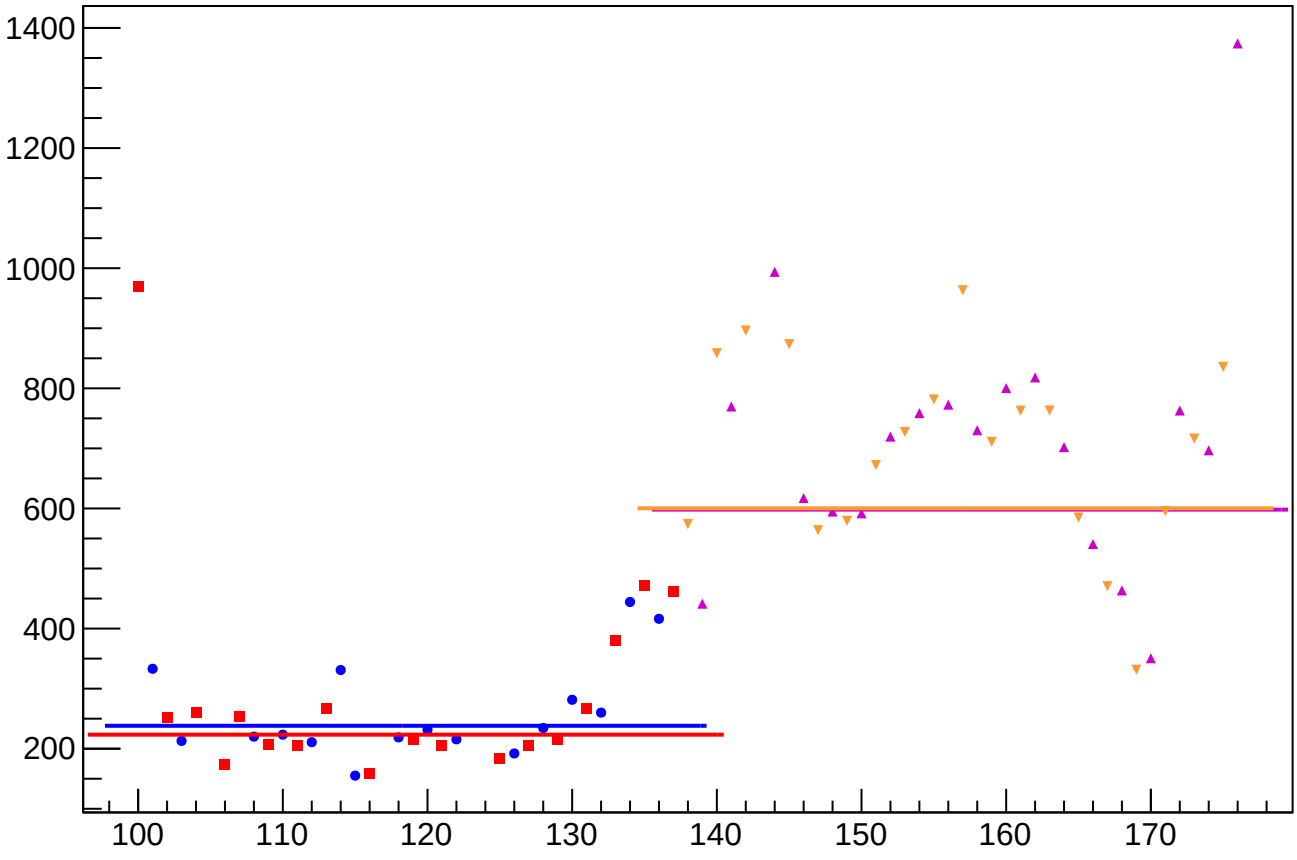
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

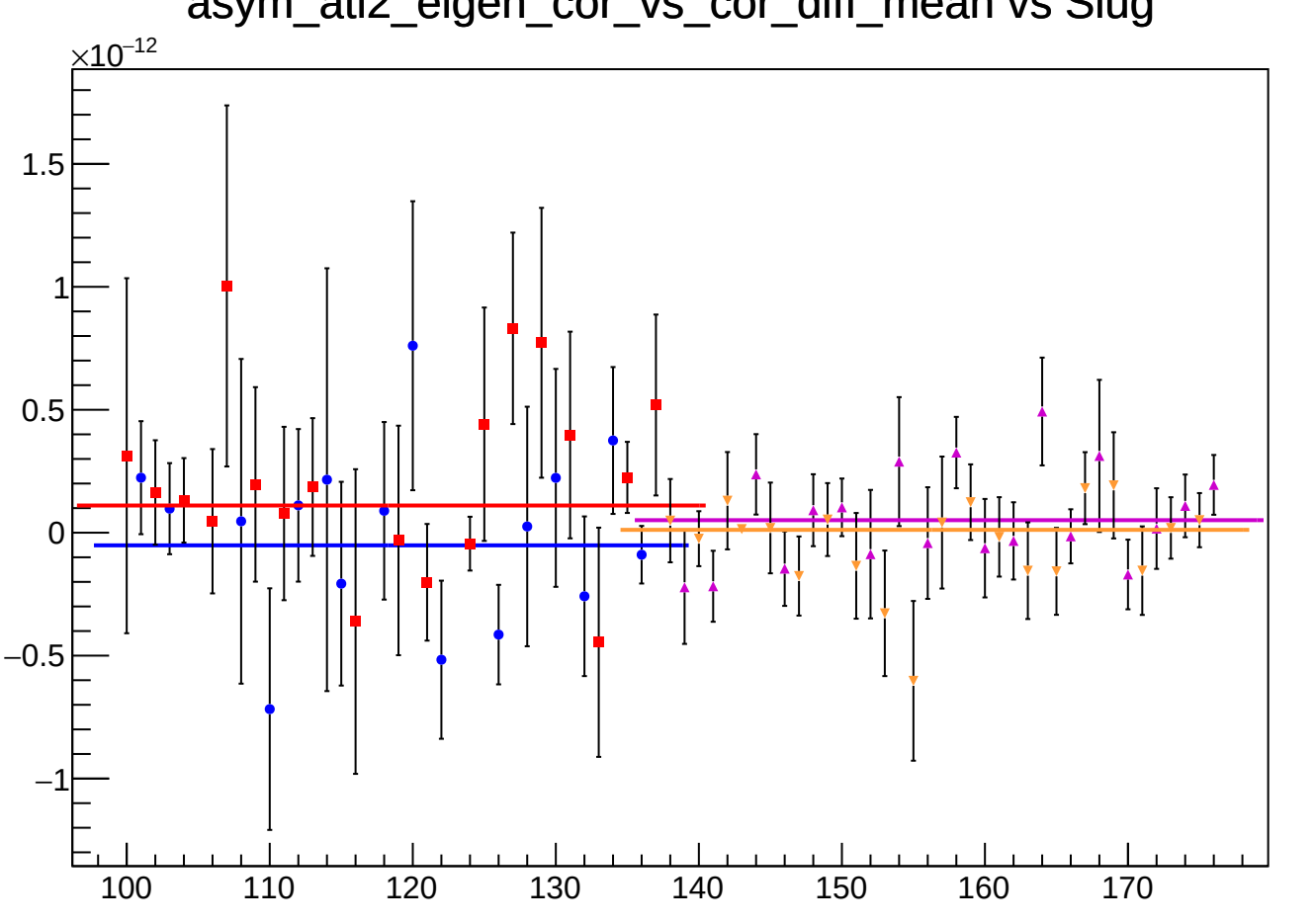
Left In: 0.117+/-0.161 χ^2/NDF:24.8/18

+ sign -0.055+/-0.081 χ^2/NDF: 39.9/34

All: -0.049+/-0.057 χ^2/NDF: 91.3/71

- sign -0.044+/-0.079 χ^2/NDF: 51.3/36


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 238.165+/-0.066 χ²/NDF: 807170.1/15
Left Out: 600.265+/-0.116 χ²/NDF:2297155.5/18
Right Out: 223.390+/-0.064 χ²/NDF: 862366.3/17
Left In: 598.053+/-0.114 χ²/NDF:2532231.4/18
+ sign 327.012+/-0.058 χ²/NDF: 10417435.6/34
All: 319.649+/-0.040 χ²/NDF: 22108876.2/71
- sign 312.804+/-0.056 χ²/NDF: 11659924.2/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/19

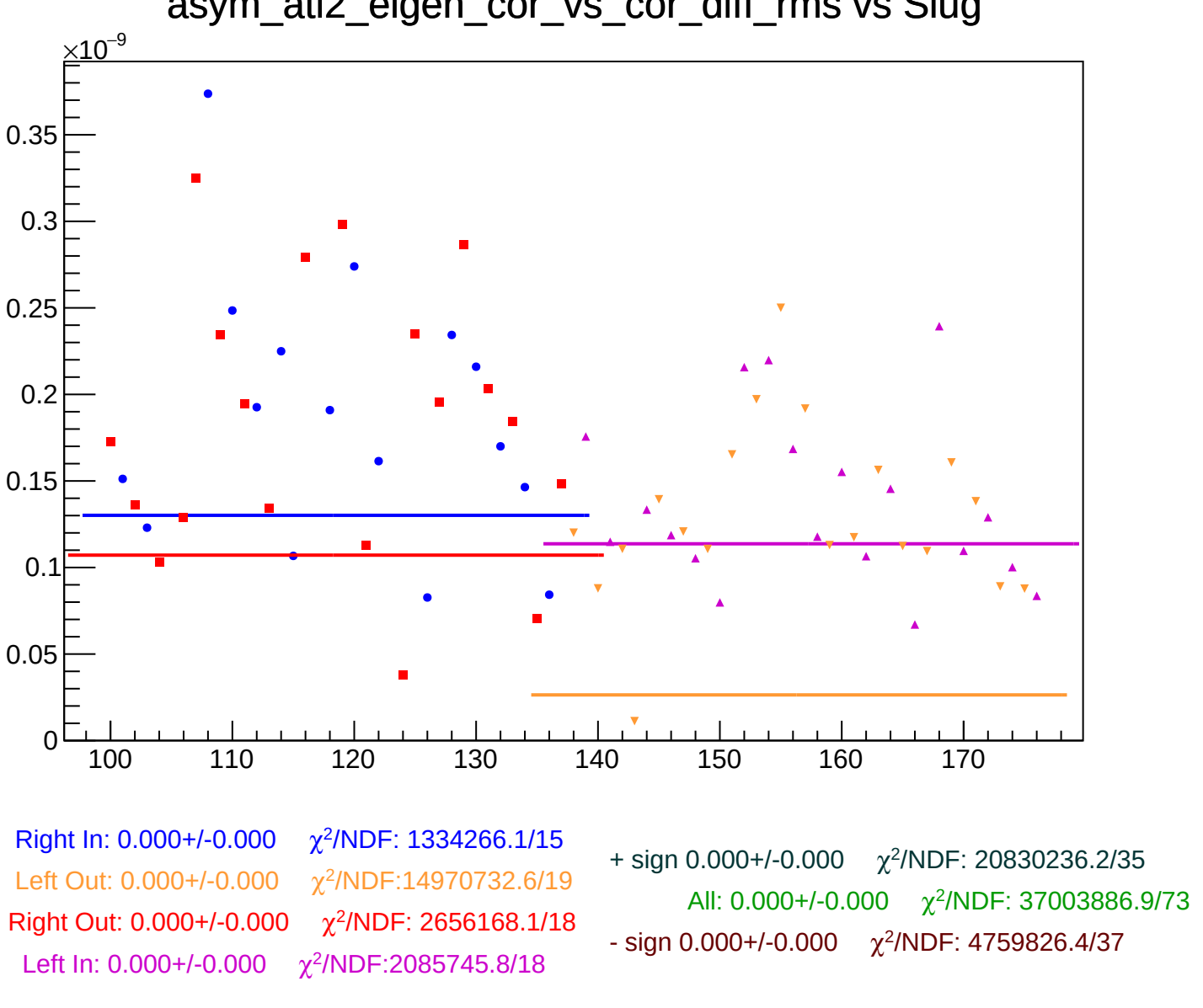
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:22.8/18

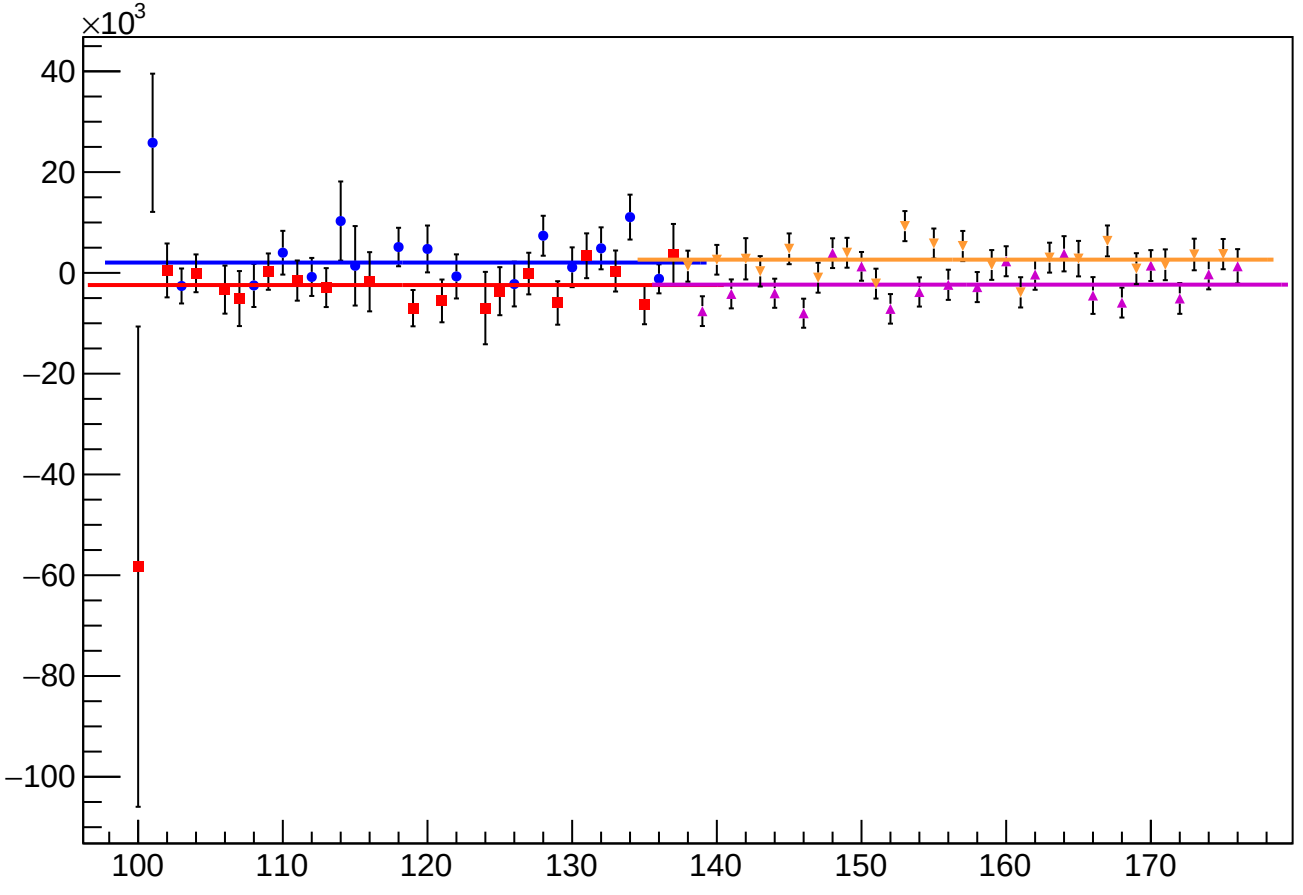
+ sign 0.000+/-0.000 χ^2/NDF: 28.6/35

All: 0.000+/-0.000 χ^2/NDF: 70.5/73

- sign 0.000+/-0.000 χ^2/NDF: 38.9/37


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:14970732.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:2085745.8/18
+ sign 0.000+/-0.000 χ²/NDF: 20830236.2/35
All: 0.000+/-0.000 χ²/NDF: 37003886.9/73
- sign 0.000+/-0.000 χ²/NDF: 4759826.4/37

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2629.596+/-685.824 χ^2/NDF:19.4/19

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

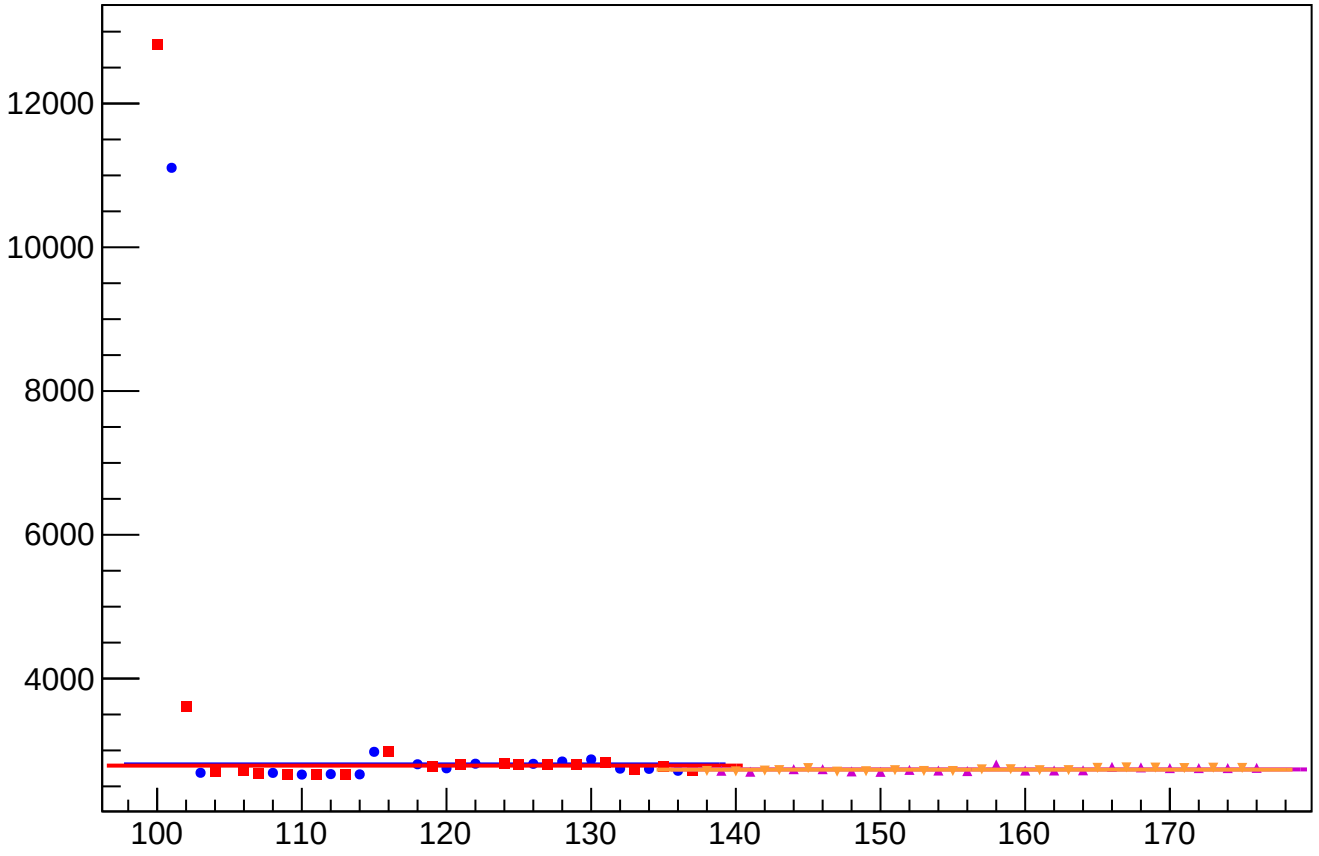
Left In: -2334.135+/-693.981 χ^2/NDF:28.5/18

+ sign 2460.761+/-577.461 χ^2/NDF: 37.4/35

All: 47.184+/-407.980 χ^2/NDF: 111.6/73

- sign -2358.225+/-576.483 χ^2/NDF: 39.3/37

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2732.695+/-0.485 χ^2/NDF:1677.8/19

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

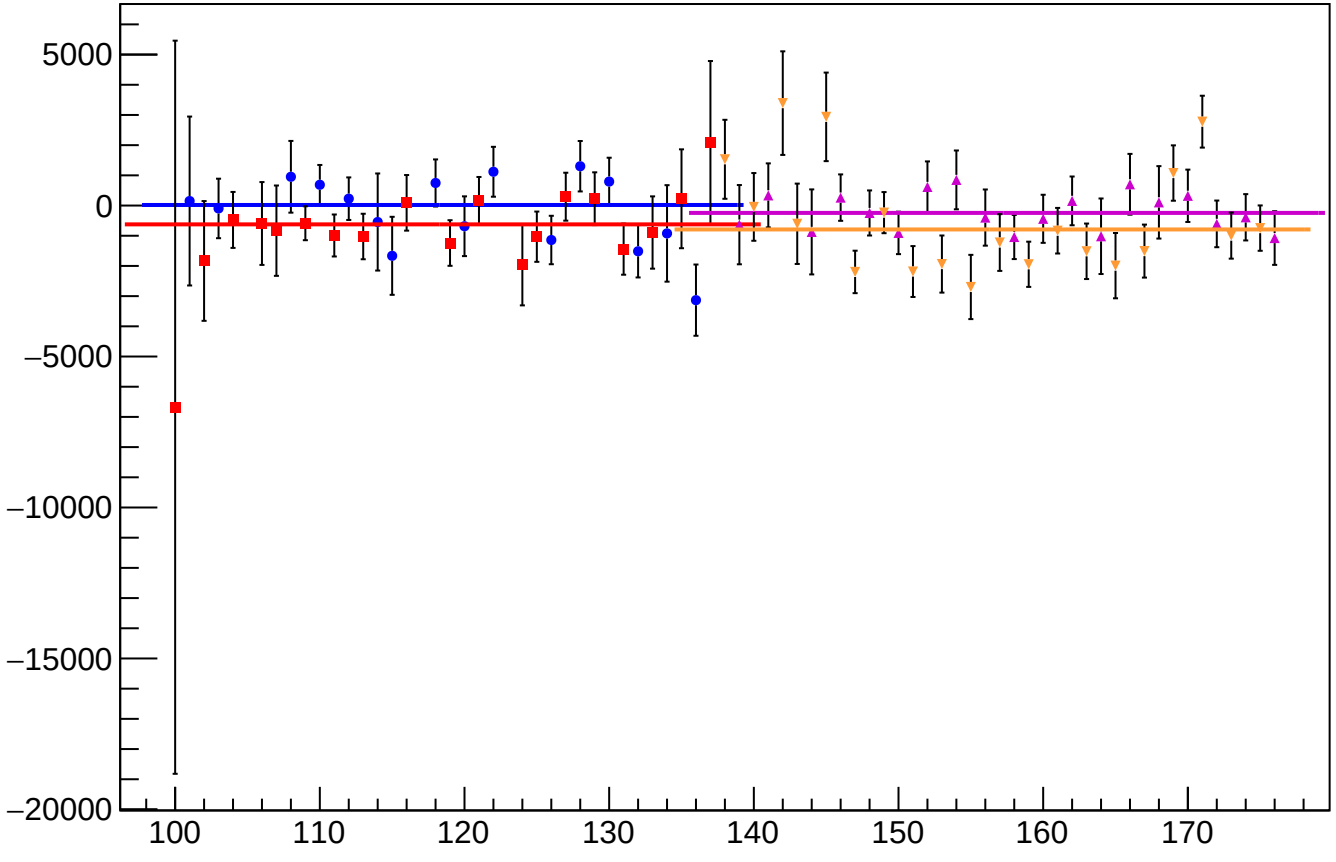
Left In: 2735.817+/-0.491 χ^2/NDF:2785.5/18

+ sign 2753.869+/-0.408 χ^2/NDF: 754468.3/35

All: 2753.056+/-0.288 χ^2/NDF: 907876.1/73

- sign 2752.246+/-0.408 χ^2/NDF: 153399.9/37

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -791.625+/-202.538 χ^2/NDF:54.7/19

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

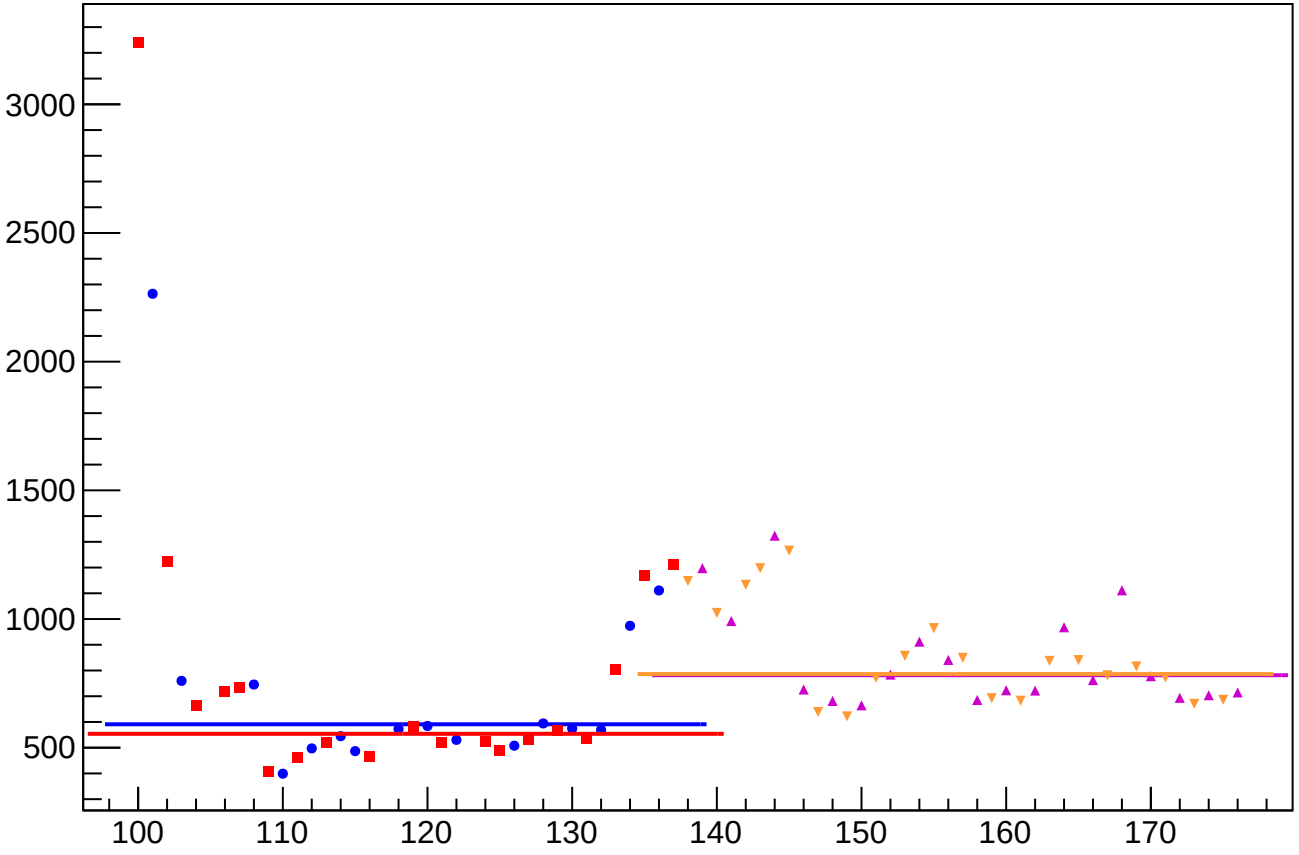
Left In: -243.578+/-202.559 χ^2/NDF:8.6/18

+ sign -443.563+/-152.995 χ^2/NDF: 84.3/35

All: -431.997+/-106.276 χ^2/NDF: 103.9/73

- sign -421.213+/-147.738 χ^2/NDF: 19.6/37

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 786.146+/-0.143 χ^2/NDF:1175404.0/19

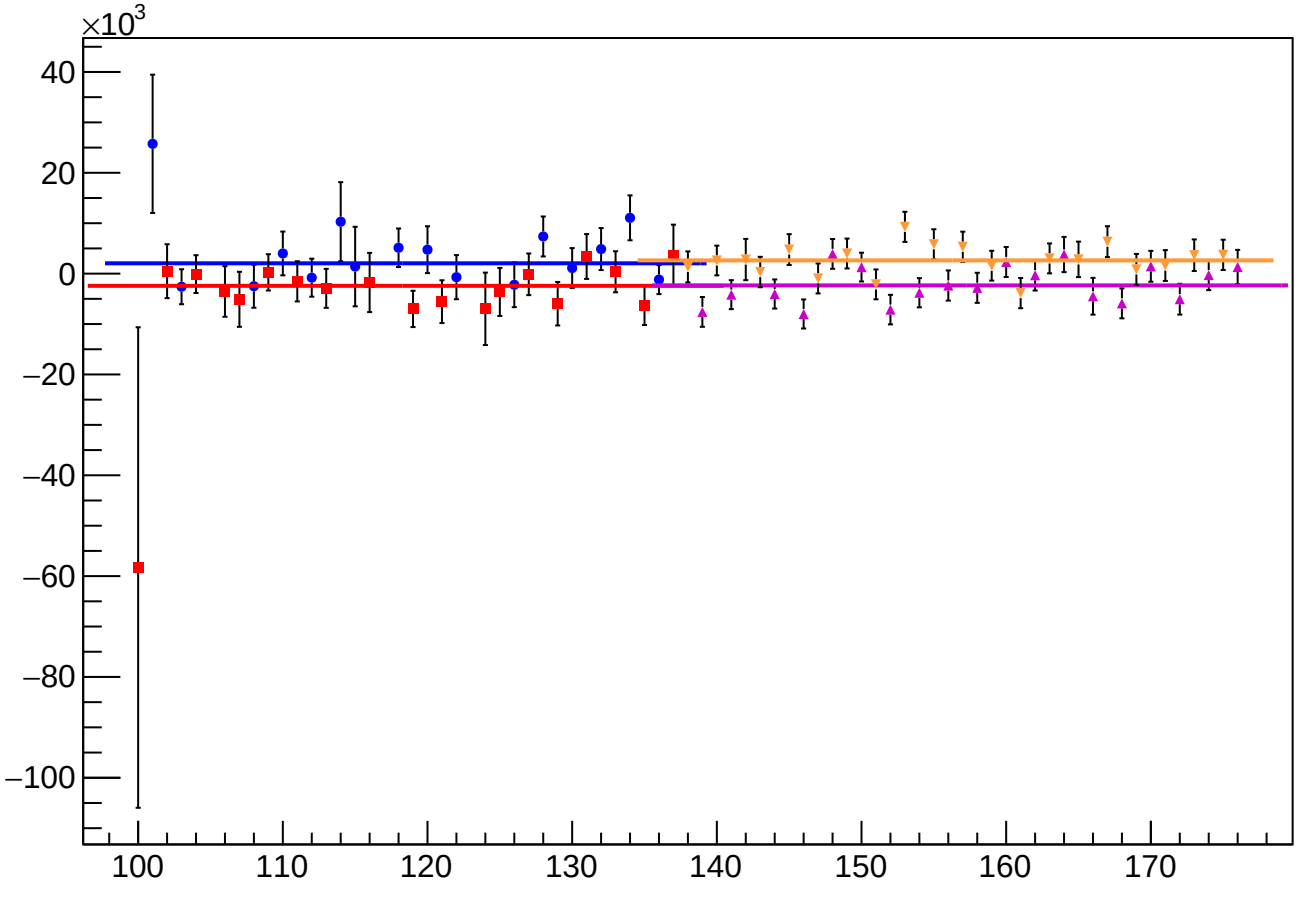
Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 781.673+/-0.143 χ^2/NDF:1032590.6/18

+ sign 702.371+/-0.108 χ^2/NDF: 3539955.9/35

All: 688.261+/-0.075 χ^2/NDF: 6905110.4/73

- sign 675.104+/-0.104 χ^2/NDF: 3332283.0/37



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2629.605+/-685.824 χ^2/NDF:19.4/19

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

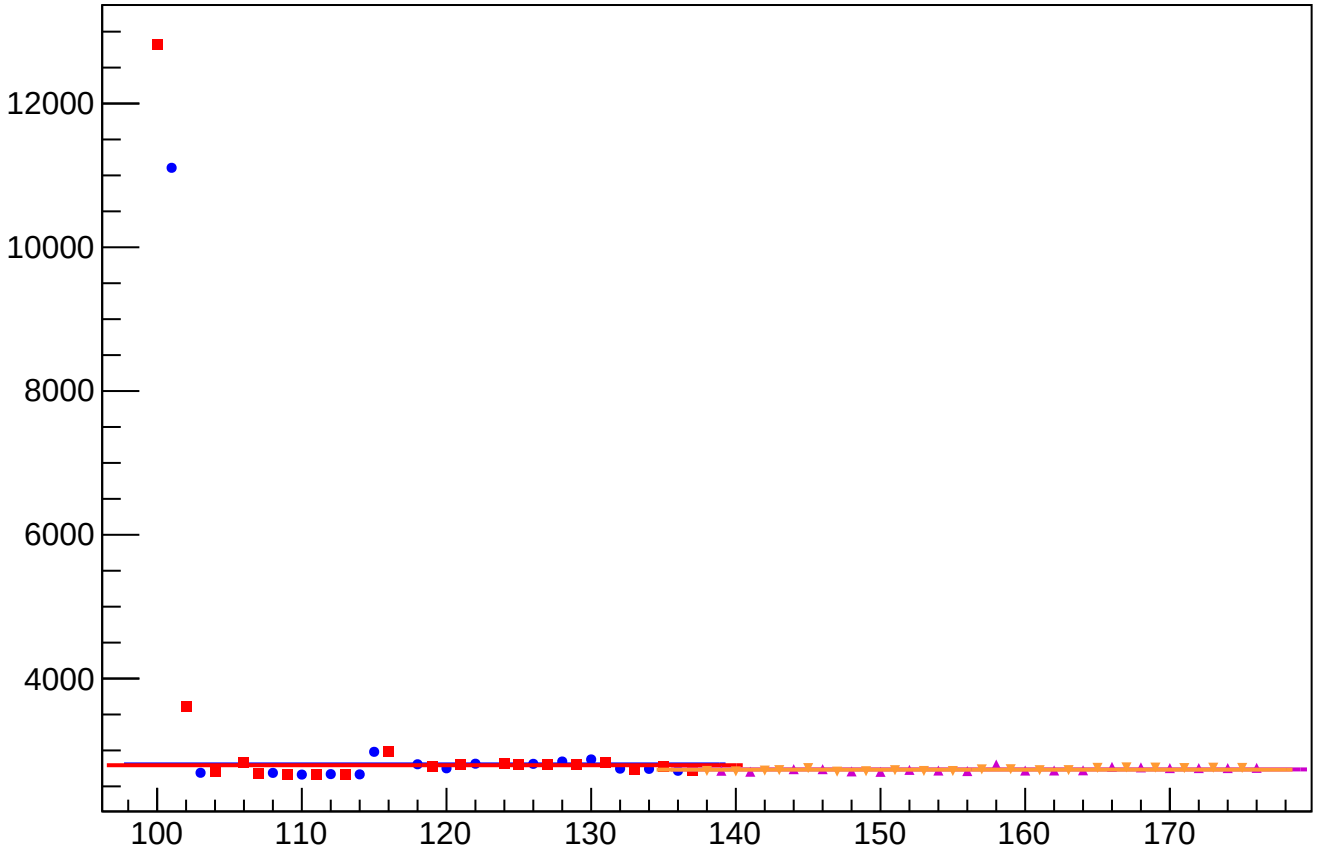
Left In: -2334.201+/-693.981 χ^2/NDF:28.5/18

\+ sign 2460.533+/-577.461 χ^2/NDF: 37.4/35

All: 47.865+/-408.126 χ^2/NDF: 111.6/73

\- sign -2360.064+/-576.893 χ^2/NDF: 39.3/37

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2732.695+/-0.485 χ^2/NDF:1677.8/19

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

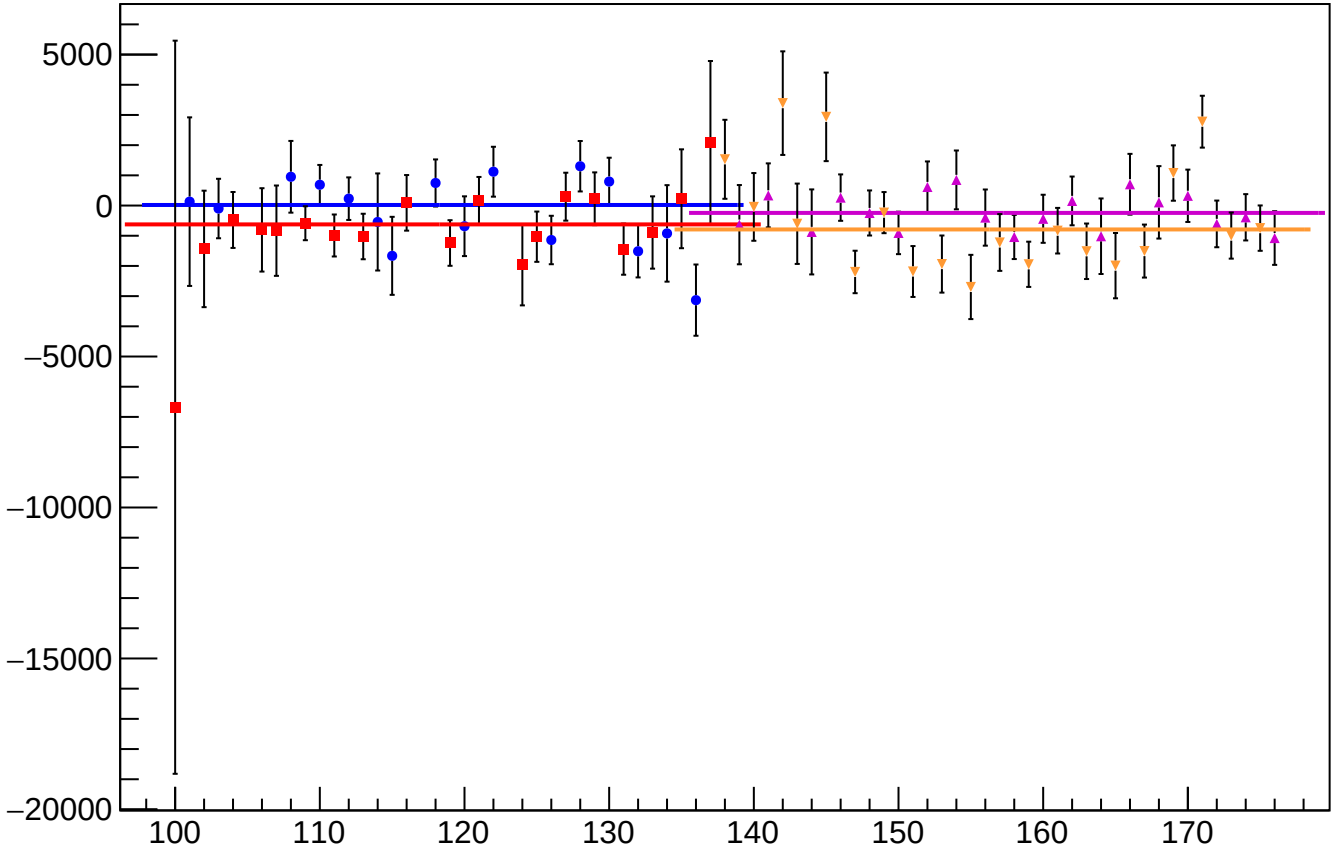
Left In: 2735.817+/-0.491 χ^2/NDF:2785.5/18

+ sign 2753.869+/-0.408 χ^2/NDF: 754467.4/35

All: 2753.856+/-0.289 χ^2/NDF: 908364.2/73

- sign 2753.842+/-0.408 χ^2/NDF: 153896.8/37

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -791.587+/-202.537 χ^2/NDF:54.7/19

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

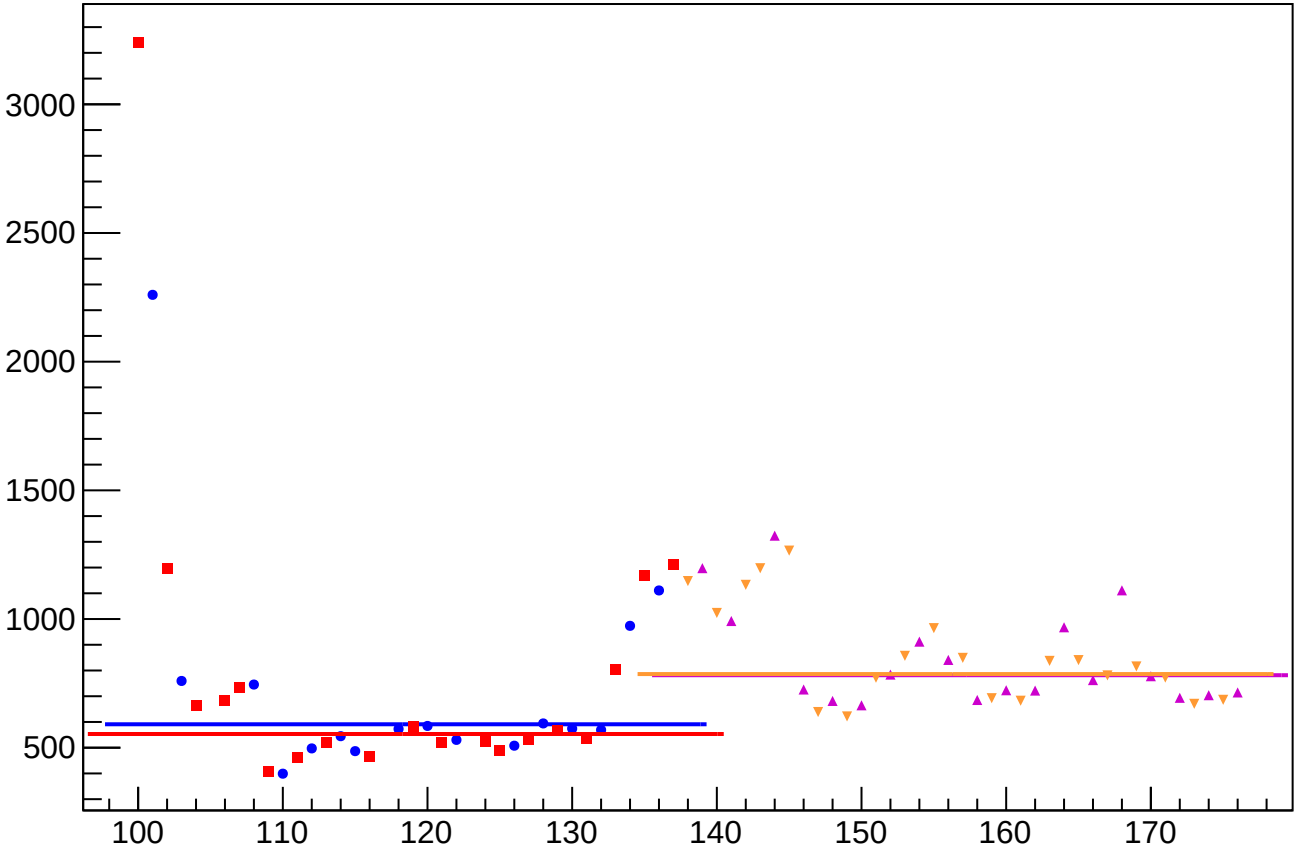
Left In: -243.691+/-202.560 χ^2/NDF:8.6/18

\+ sign -443.541+/-152.992 χ^2/NDF: 84.3/35

All: -432.307+/-106.270 χ^2/NDF: 103.7/73

\- sign -421.834+/-147.723 χ^2/NDF: 19.4/37

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.140+/-0.143 χ^2/NDF:1175416.9/19

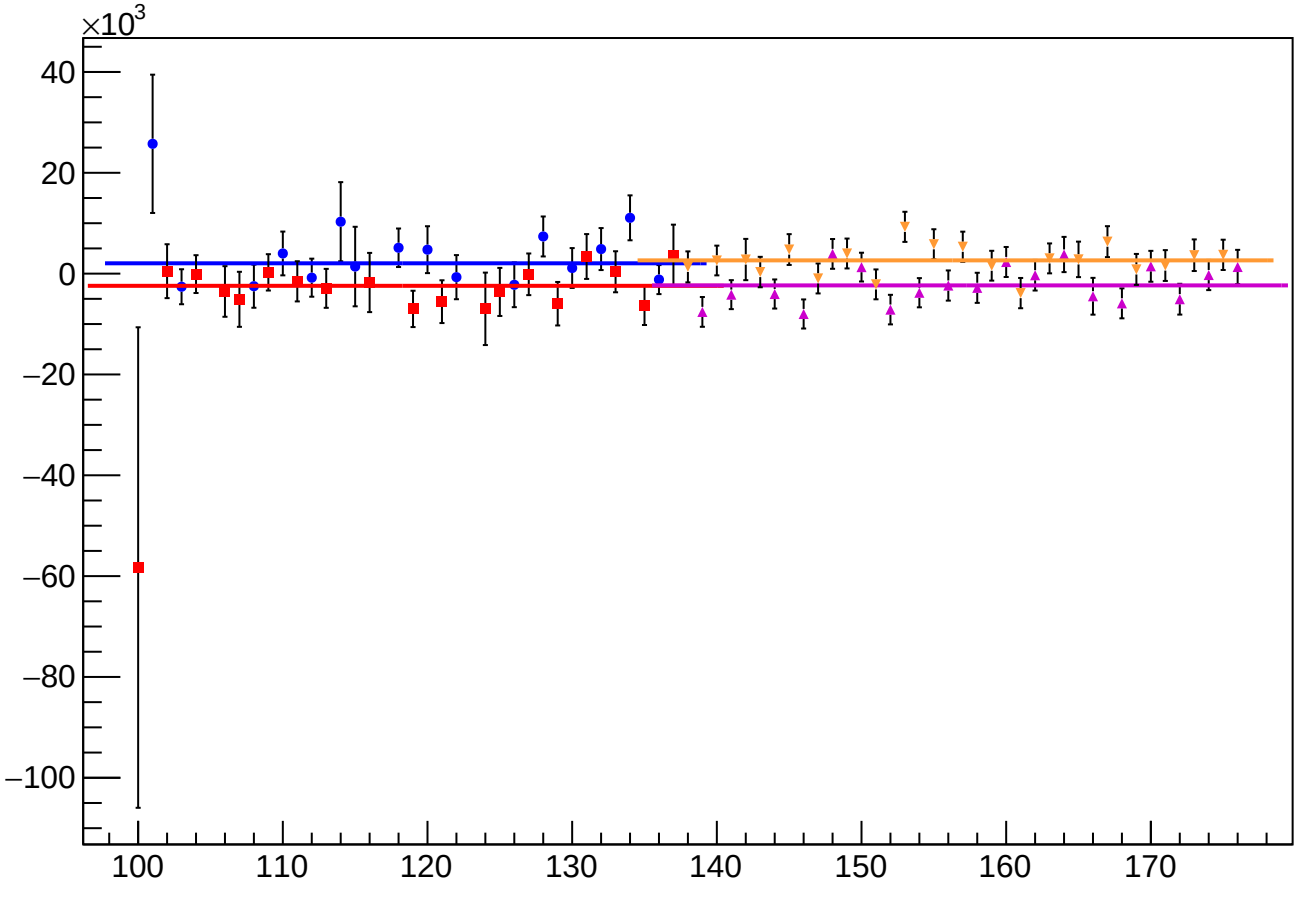
Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 781.675+/-0.143 χ^2/NDF:1032526.8/18

+ sign 702.362+/-0.108 χ^2/NDF: 3538957.1/35

All: 688.062+/-0.075 χ^2/NDF: 6897759.3/73

- sign 674.730+/-0.104 χ^2/NDF: 3325038.4/37



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2629.605+/-685.824 χ^2/NDF:19.4/19

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

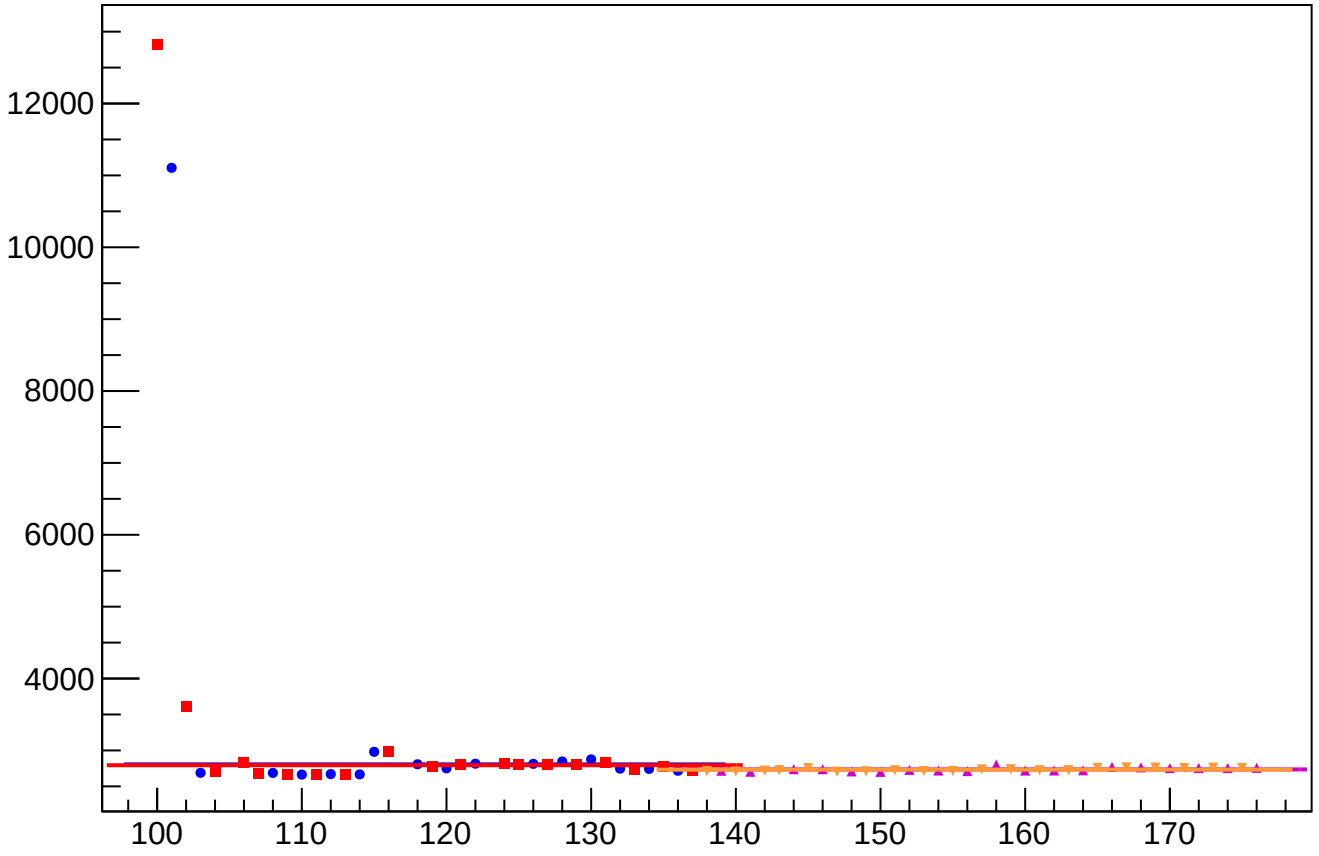
Left In: -2334.201+/-693.981 χ^2/NDF:28.5/18

+ sign 2460.533+/-577.461 χ^2/NDF: 37.4/35

All: 47.865+/-408.126 χ^2/NDF: 111.6/73

- sign -2360.064+/-576.893 χ^2/NDF: 39.3/37

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2732.695+/-0.485 χ^2/NDF:1677.8/19

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

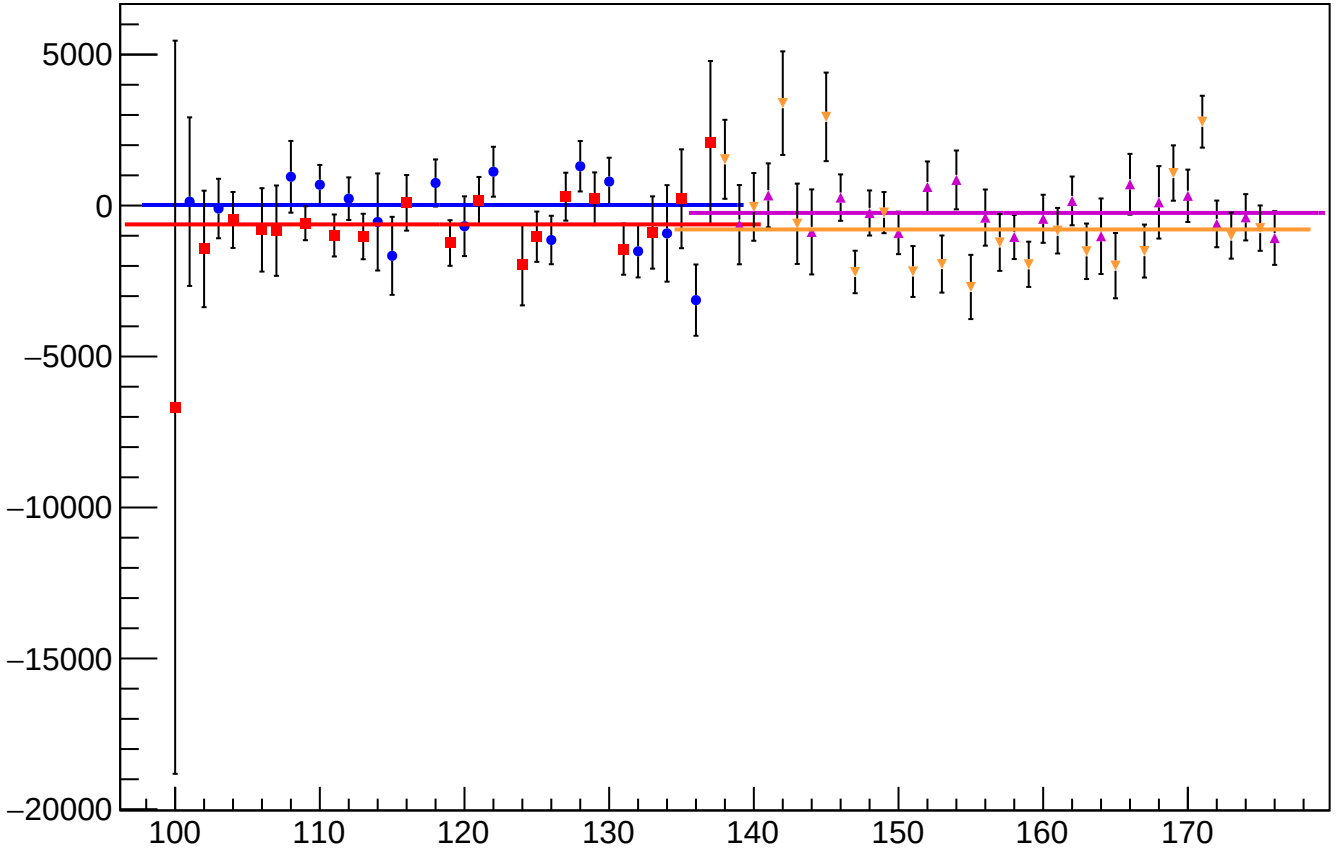
Left In: 2735.817+/-0.491 χ^2/NDF:2785.5/18

+ sign 2753.869+/-0.408 χ^2/NDF: 754467.4/35

All: 2753.856+/-0.289 χ^2/NDF: 908364.2/73

- sign 2753.842+/-0.408 χ^2/NDF: 153896.8/37

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -791.587+/-202.537 χ^2/NDF:54.7/19

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

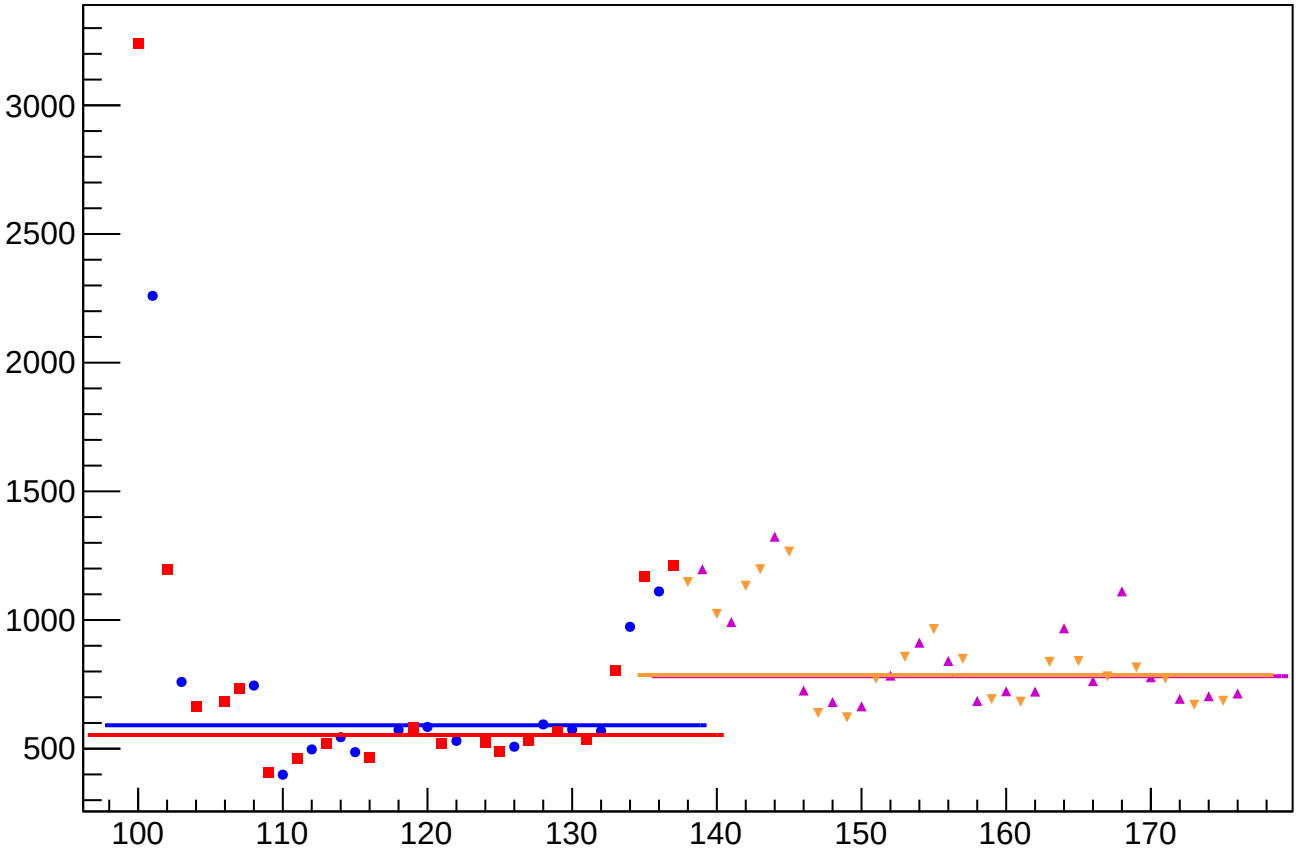
Left In: -243.691+/-202.560 χ^2/NDF:8.6/18

+ sign -443.541+/-152.992 χ^2/NDF: 84.3/35

All: -432.307+/-106.270 χ^2/NDF: 103.7/73

- sign -421.834+/-147.723 χ^2/NDF: 19.4/37

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.140+/-0.143 χ^2/NDF:1175416.9/19

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

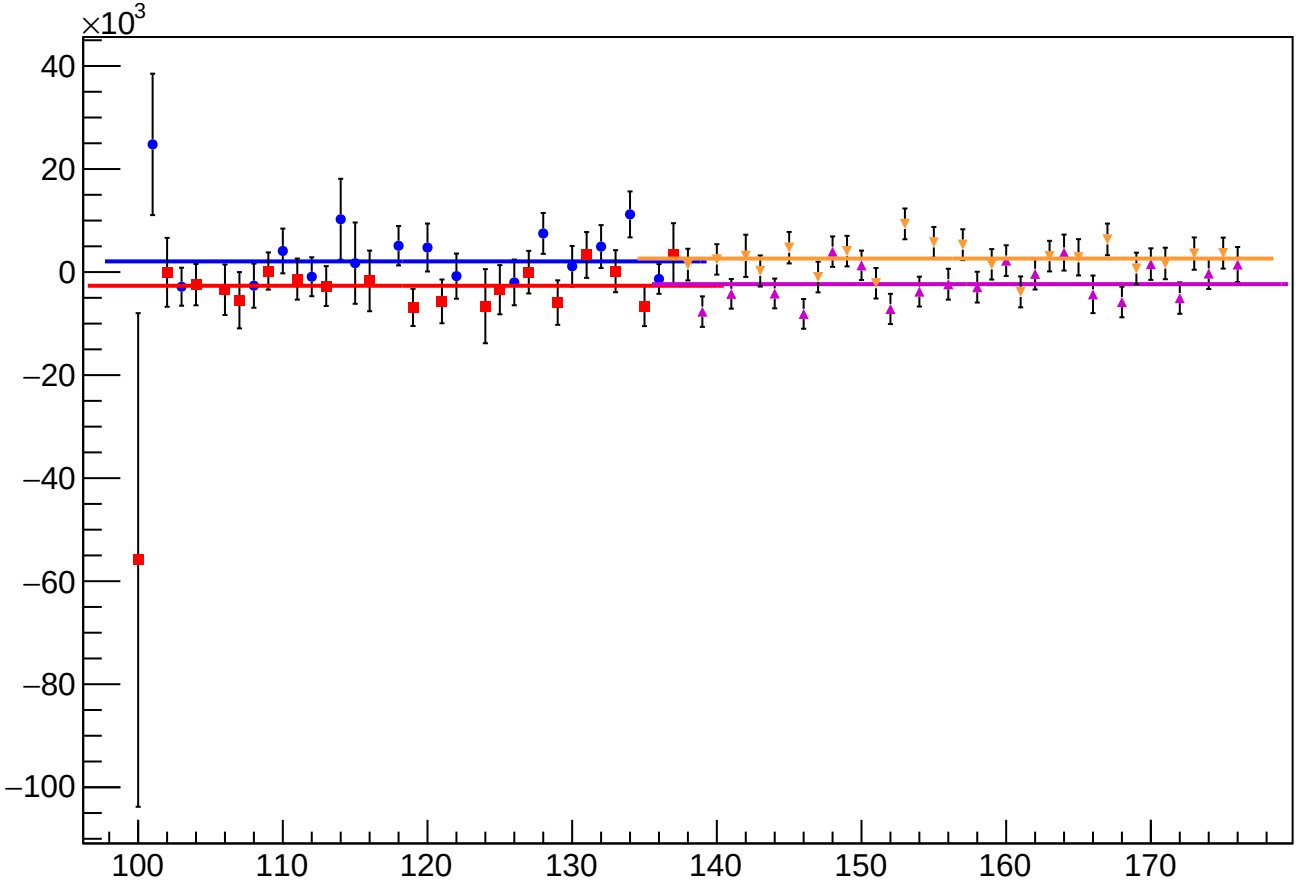
Left In: 781.675+/-0.143 χ^2/NDF:1032526.8/18

+ sign 702.362+/-0.108 χ^2/NDF: 3538957.1/35

All: 688.062+/-0.075 χ^2/NDF: 6897759.3/73

- sign 674.730+/-0.104 χ^2/NDF: 3325038.4/37

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2623.849+/-686.275 χ^2/NDF:19.6/19

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

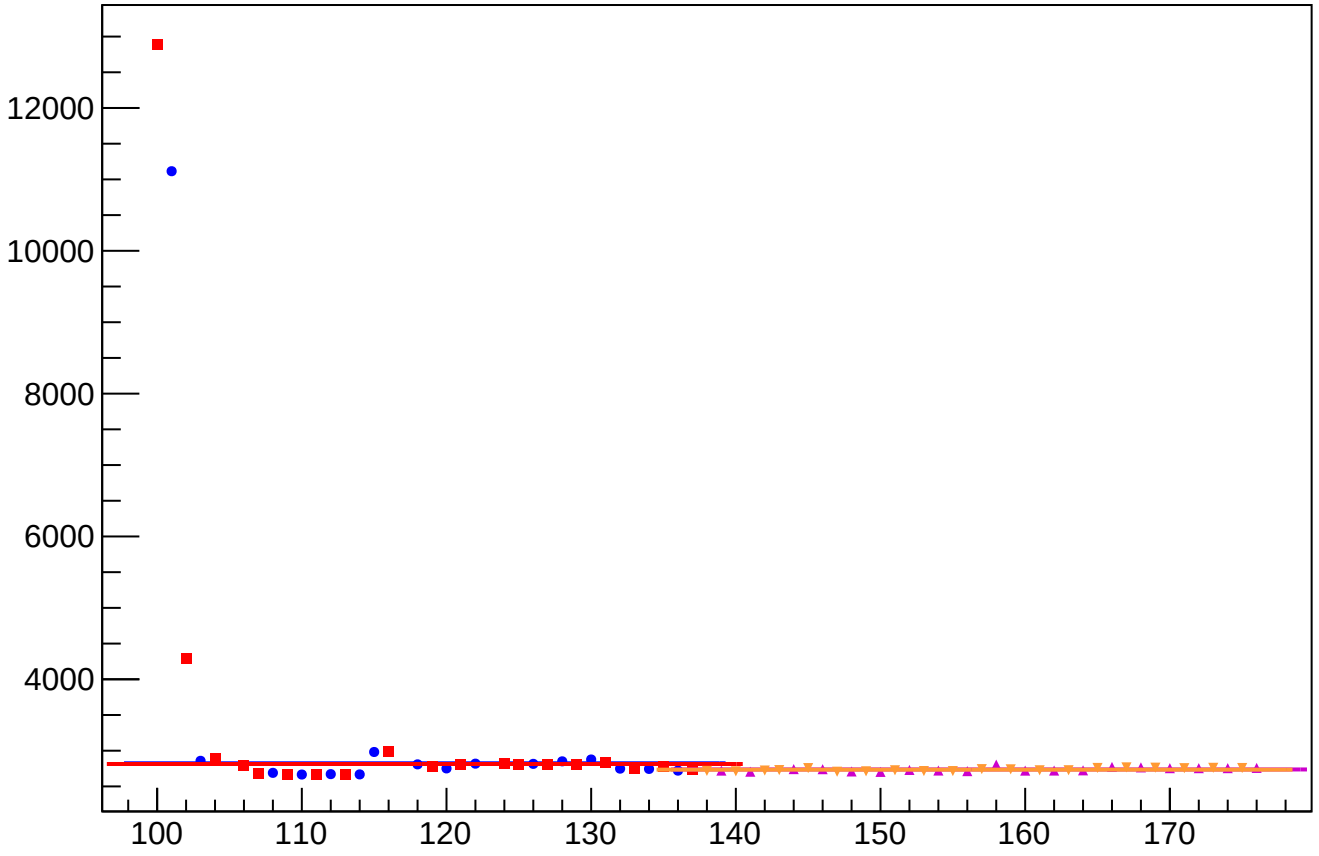
Left In: -2340.699+/-694.374 χ^2/NDF:28.9/18

+ sign 2465.323+/-578.790 χ^2/NDF: 37.6/35

All: 15.704+/-409.397 χ^2/NDF: 112.4/73

- sign -2437.047+/-579.160 χ^2/NDF: 38.9/37

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2734.489+/-0.485 χ^2/NDF:1684.2/19

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

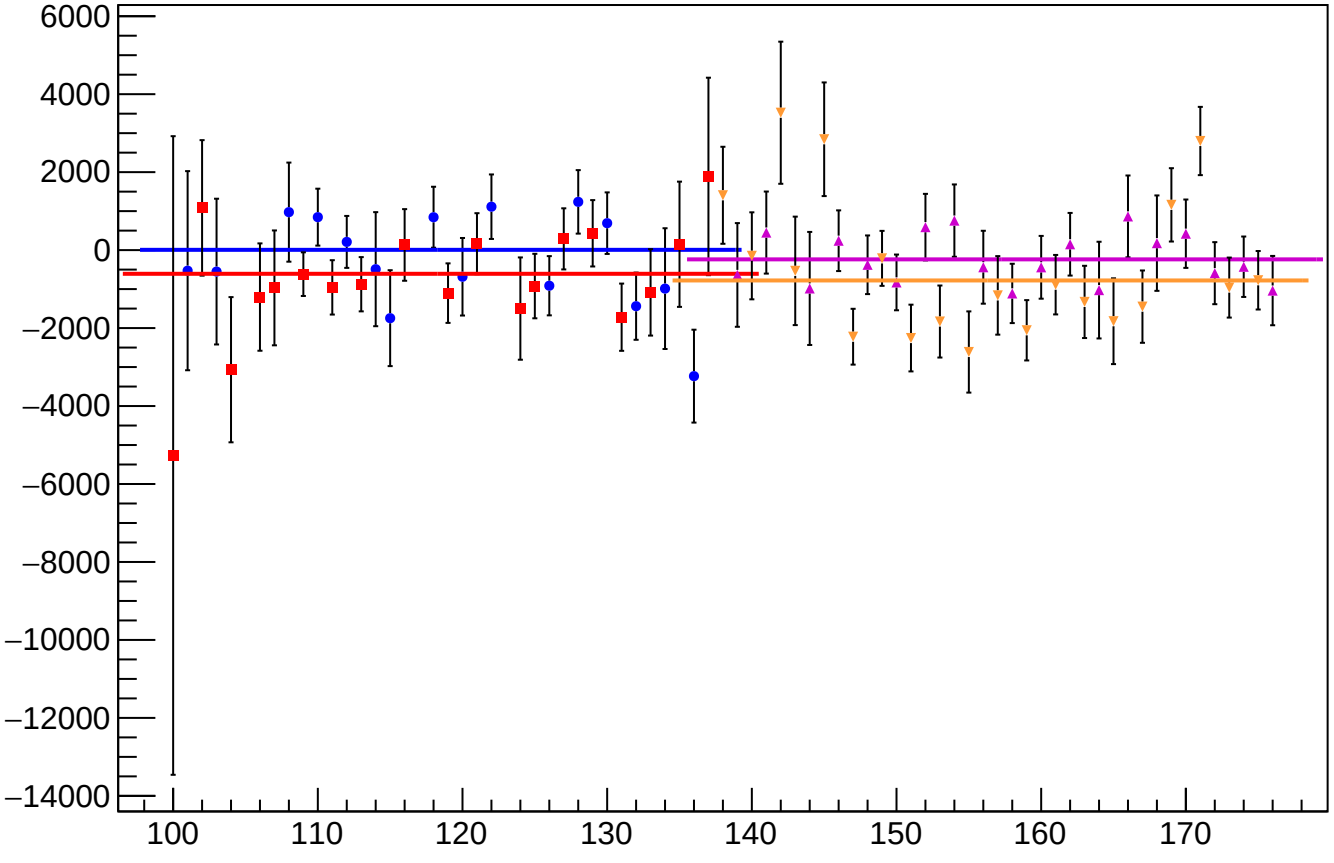
Left In: 2737.361+/-0.491 χ^2/NDF:2789.3/18

+ sign 2760.173+/-0.409 χ^2/NDF: 755302.6/35

All: 2760.401+/-0.289 χ^2/NDF: 965984.2/73

- sign 2760.629+/-0.410 χ^2/NDF: 210681.0/37

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -778.381+/-205.920 χ^2/NDF:53.0/19

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

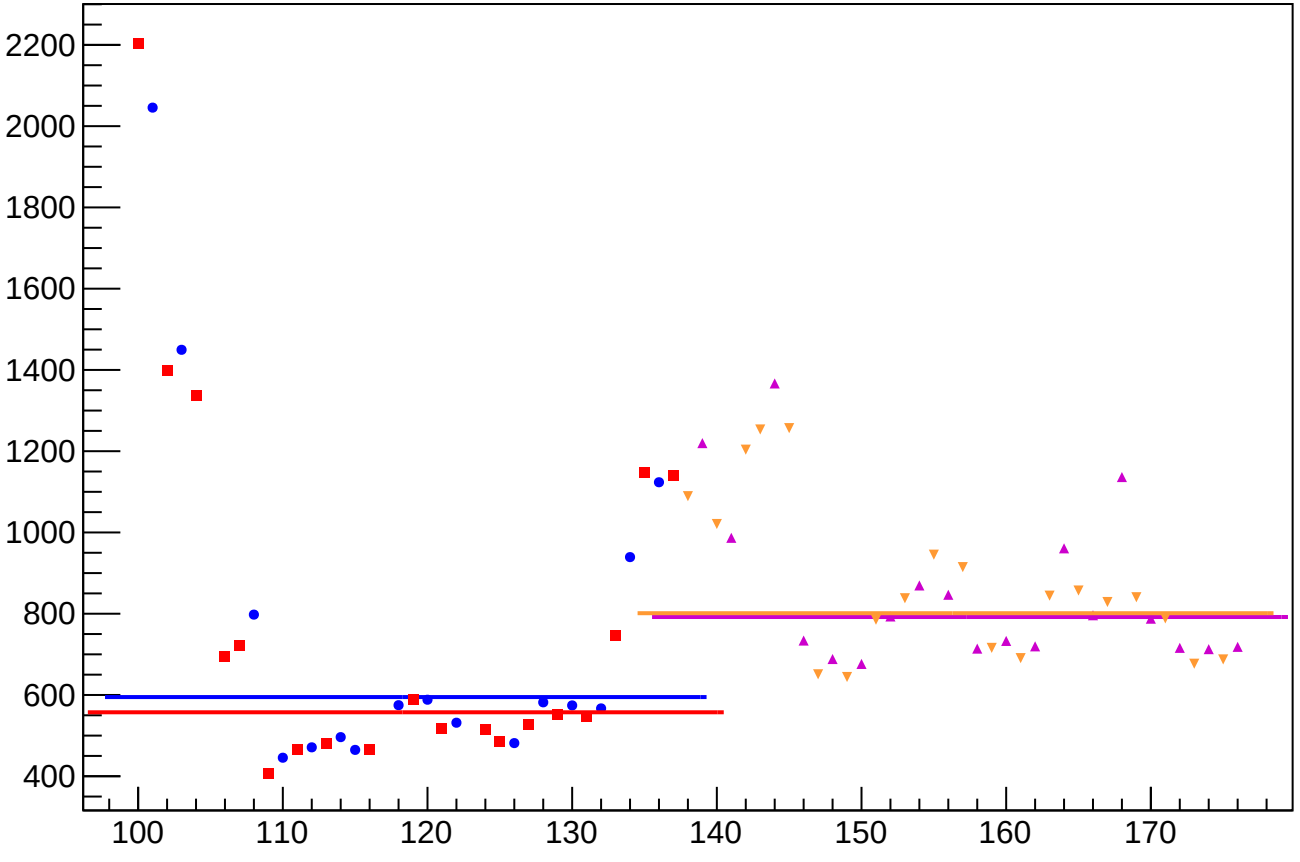
Left In: -237.501+/-204.771 χ^2/NDF:8.9/18

+ sign -441.249+/-155.571 χ^2/NDF: 82.0/35

All: -425.871+/-107.592 χ^2/NDF: 104.6/73

- sign -411.771+/-148.961 χ^2/NDF: 22.6/37

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 801.253+/-0.146 χ^2/NDF:1123132.9/19

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

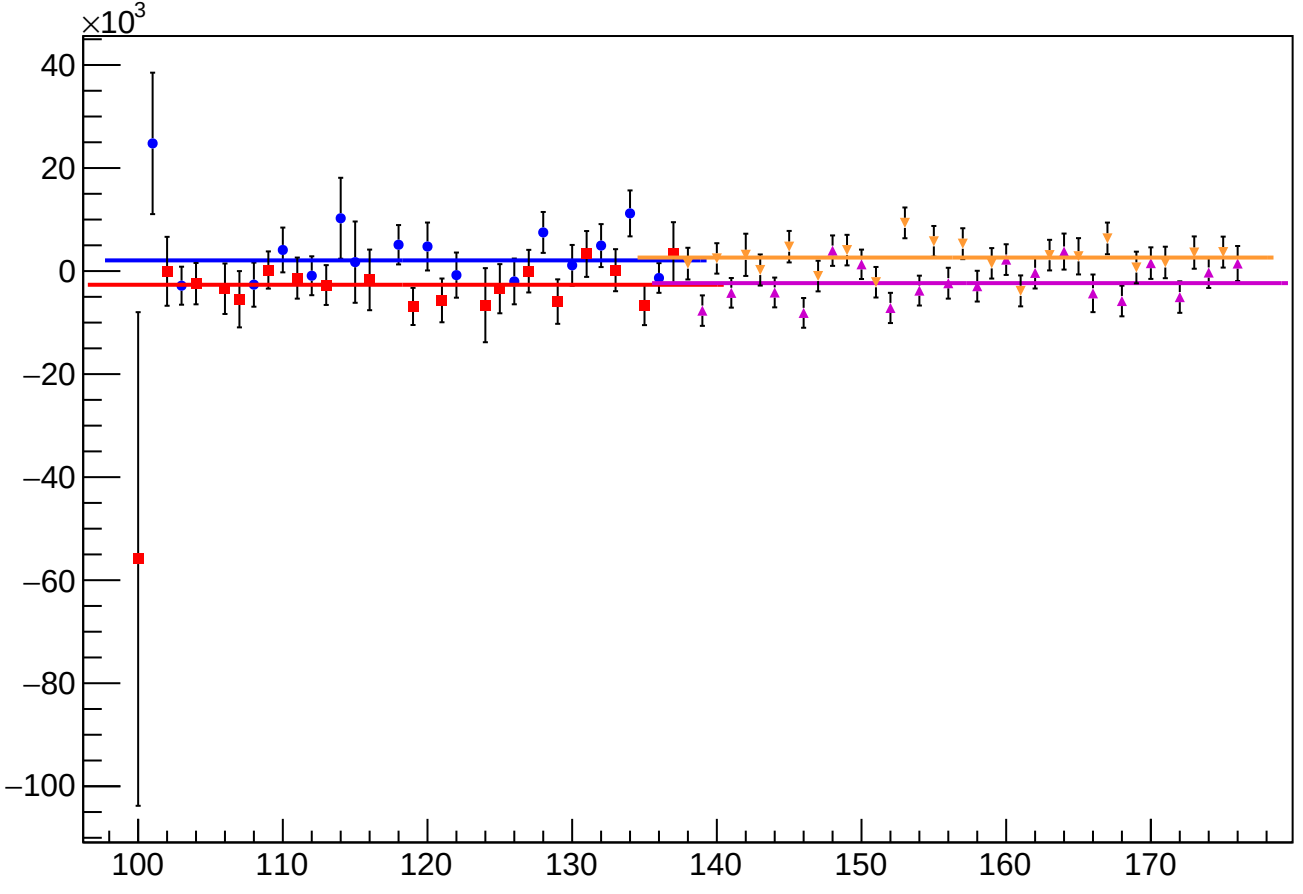
Left In: 791.880+/-0.145 χ^2/NDF:1008037.1/18

+ sign 712.661+/-0.110 χ^2/NDF: 3838223.1/35

All: 696.395+/-0.076 χ^2/NDF: 7754197.3/73

- sign 681.482+/-0.105 χ^2/NDF: 3874063.4/37

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2623.850+/-686.275 χ^2/NDF:19.6/19

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

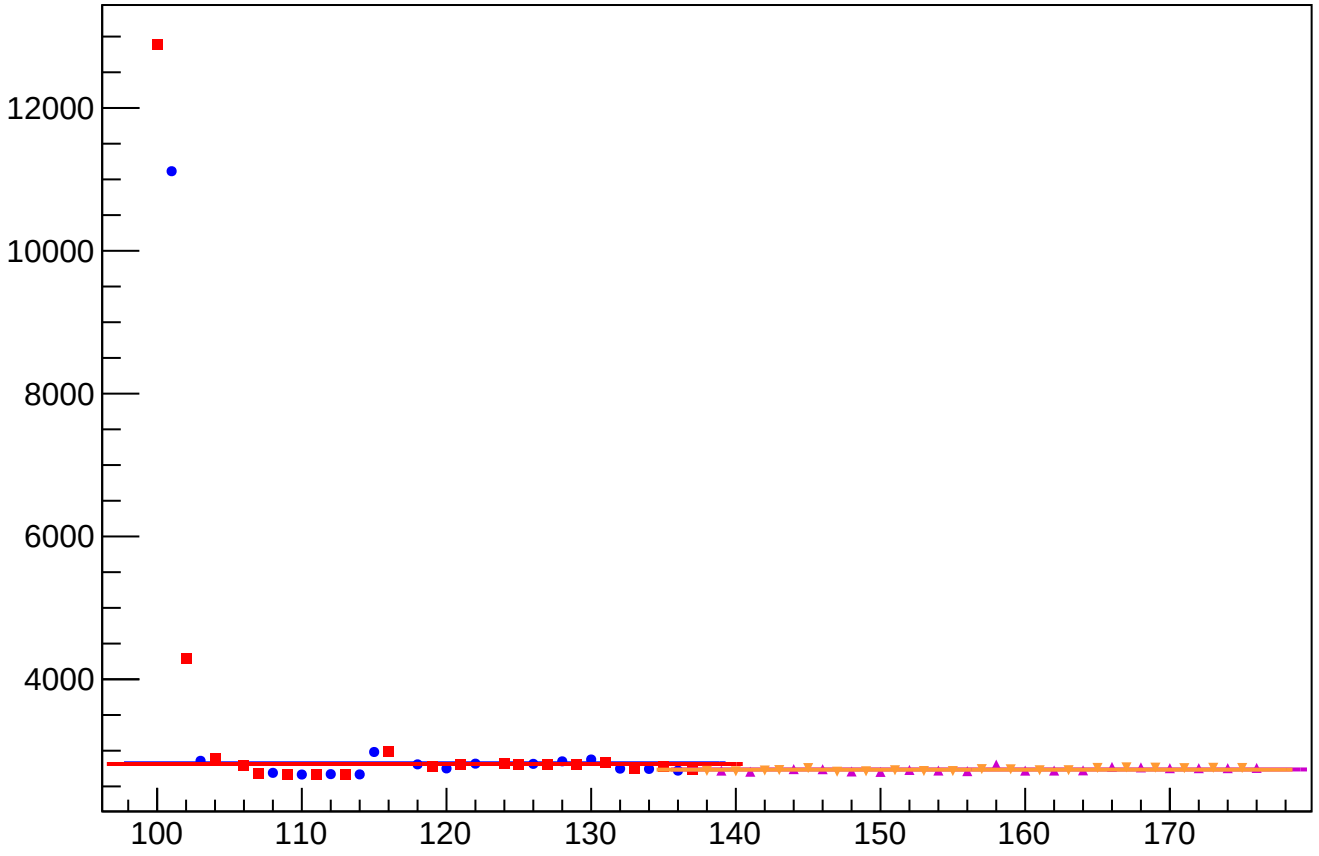
Left In: -2340.699+/-694.374 χ^2/NDF:28.9/18

+ sign 2465.323+/-578.790 χ^2/NDF: 37.6/35

All: 15.705+/-409.397 χ^2/NDF: 112.4/73

- sign -2437.046+/-579.160 χ^2/NDF: 38.9/37

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2734.489+/-0.485 χ^2/NDF:1684.2/19

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

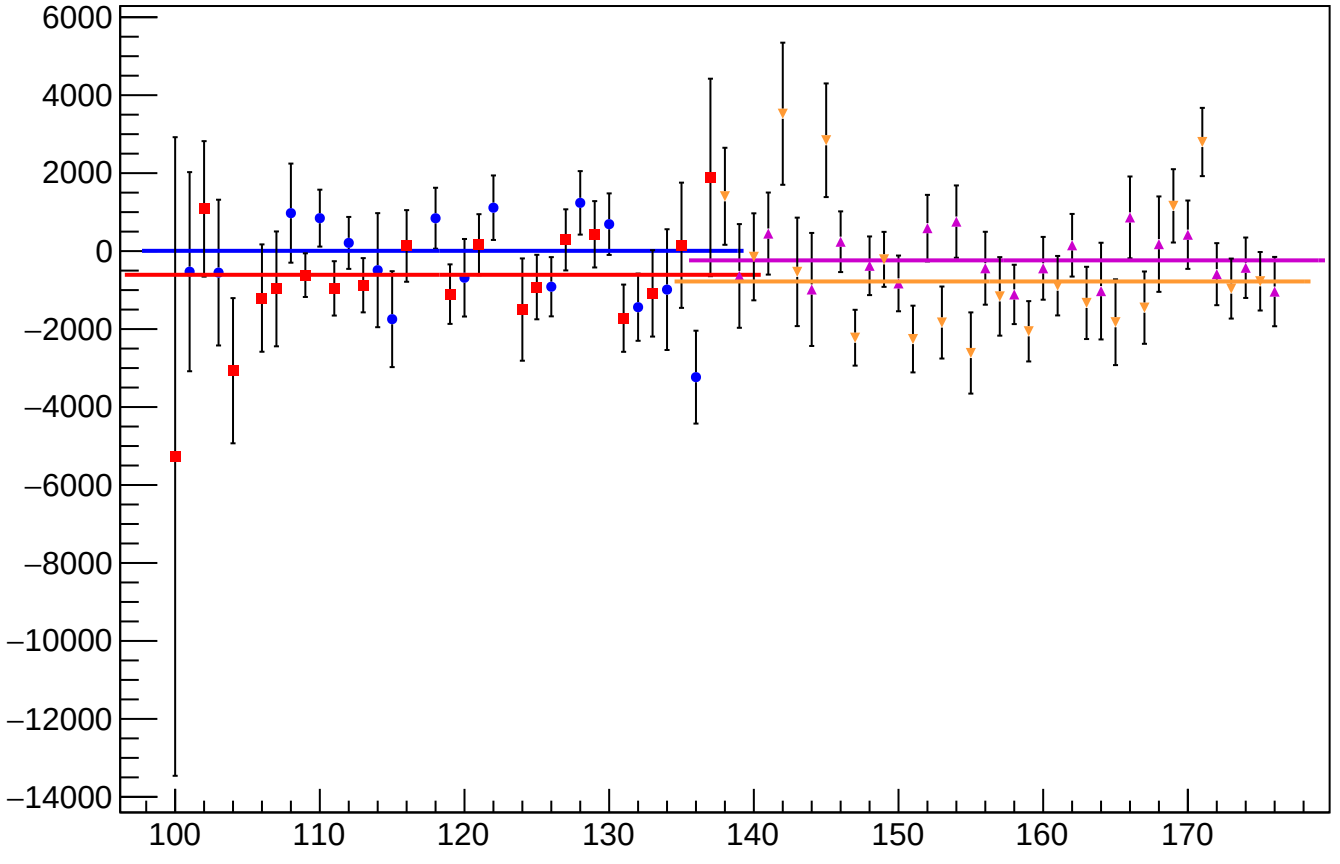
Left In: 2737.361+/-0.491 χ^2/NDF:2789.3/18

+ sign 2760.173+/-0.409 χ^2/NDF: 755302.5/35

All: 2760.401+/-0.289 χ^2/NDF: 965983.9/73

- sign 2760.629+/-0.410 χ^2/NDF: 210680.7/37

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -778.382+/-205.920 χ^2/NDF:53.0/19

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

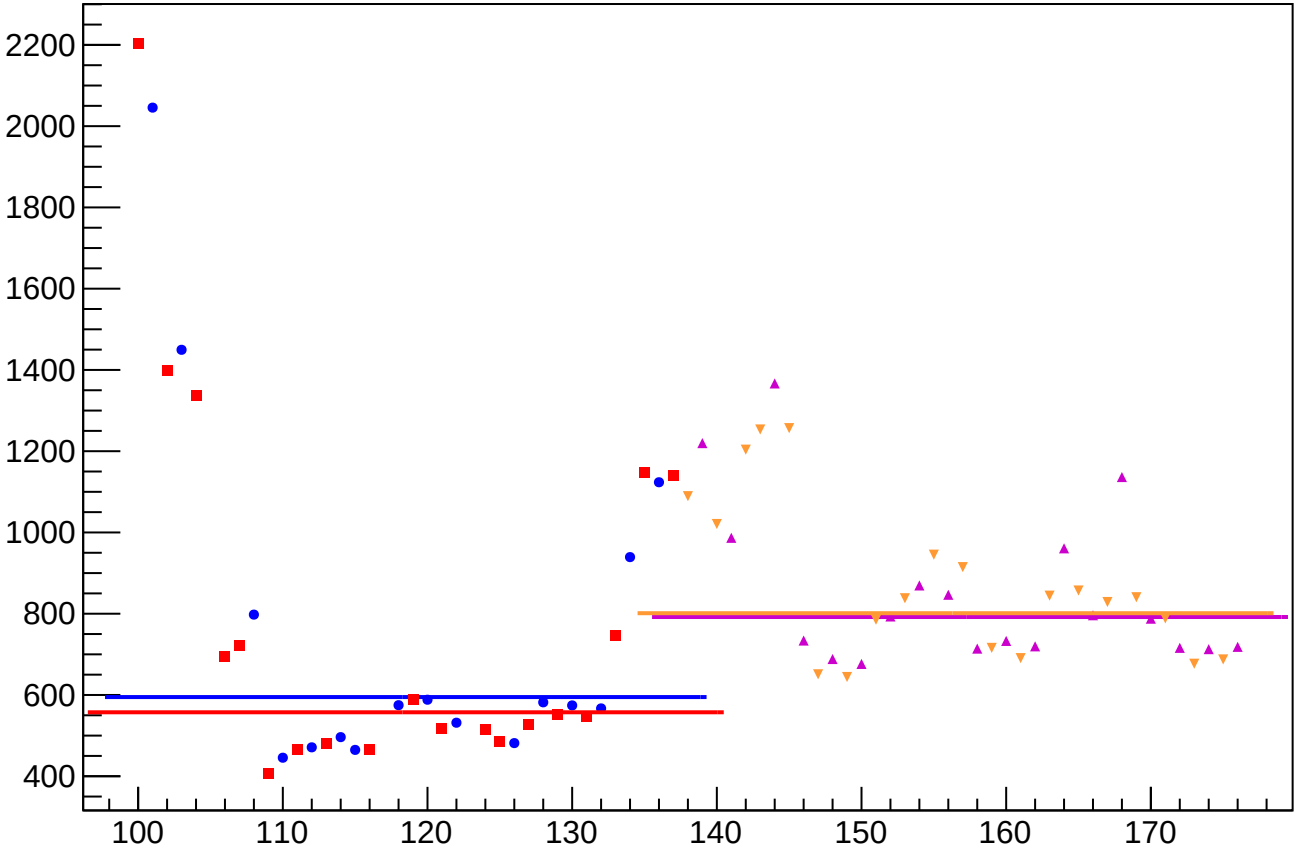
Left In: -237.501+/-204.771 χ^2/NDF:8.9/18

+ sign -441.250+/-155.571 χ^2/NDF: 82.0/35

All: -425.871+/-107.592 χ^2/NDF: 104.6/73

- sign -411.771+/-148.961 χ^2/NDF: 22.6/37

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 801.253+/-0.146 χ^2/NDF:1123135.7/19

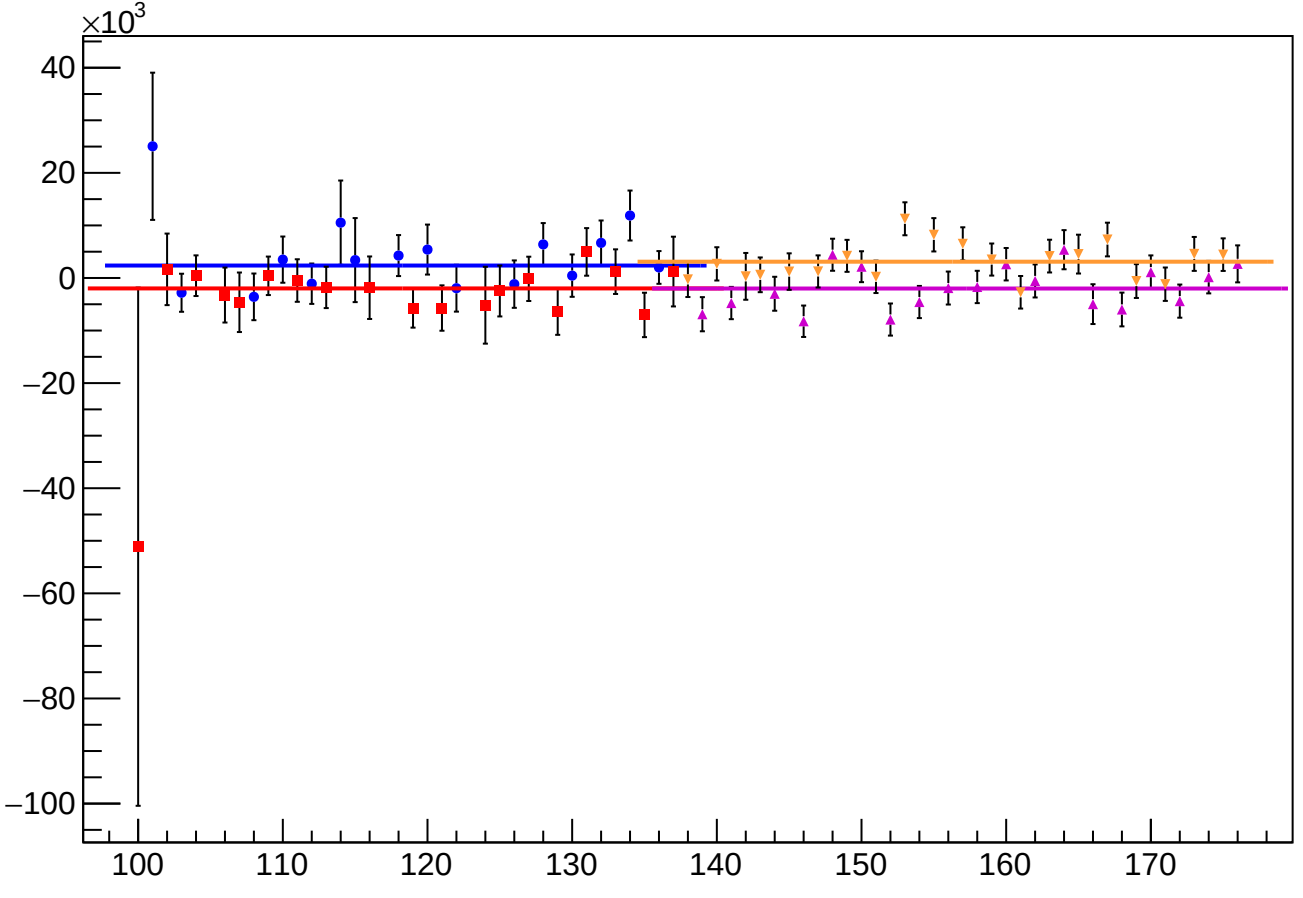
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 791.880+/-0.145 χ^2/NDF:1008041.0/18

+ sign 712.662+/-0.110 χ^2/NDF: 3838217.2/35

All: 696.395+/-0.076 χ^2/NDF: 7754190.6/73

- sign 681.482+/-0.105 χ^2/NDF: 3874061.9/37



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3098.244+/-722.221 χ^2/NDF:23.3/19

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

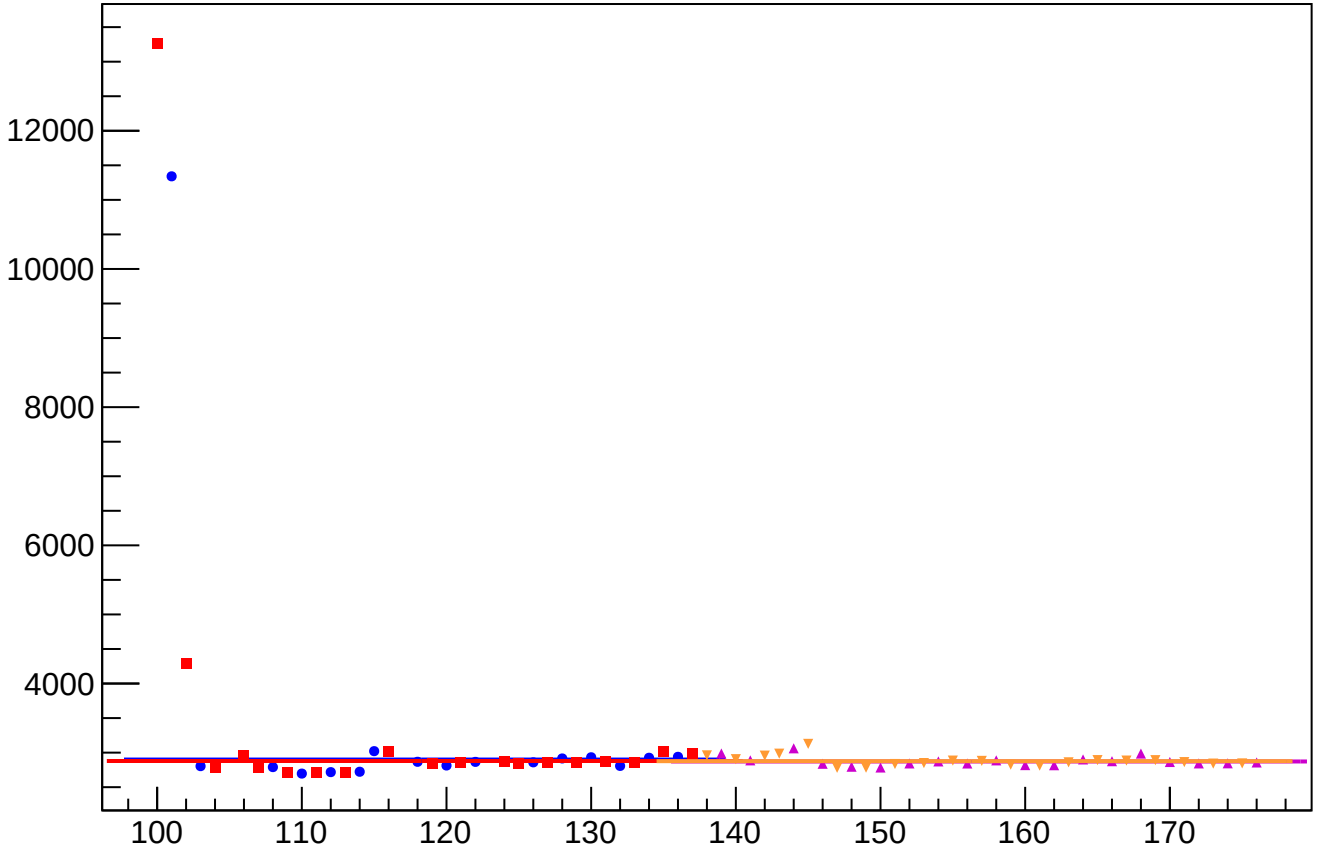
Left In: -2005.960+/-728.744 χ^2/NDF:30.7/18

+ sign 2879.754+/-604.744 χ^2/NDF: 40.4/35

All: 433.883+/-427.093 χ^2/NDF: 114.1/73

- sign -2000.005+/-603.260 χ^2/NDF: 41.0/37

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2876.431+/-0.511 χ^2/NDF:21128.1/19

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

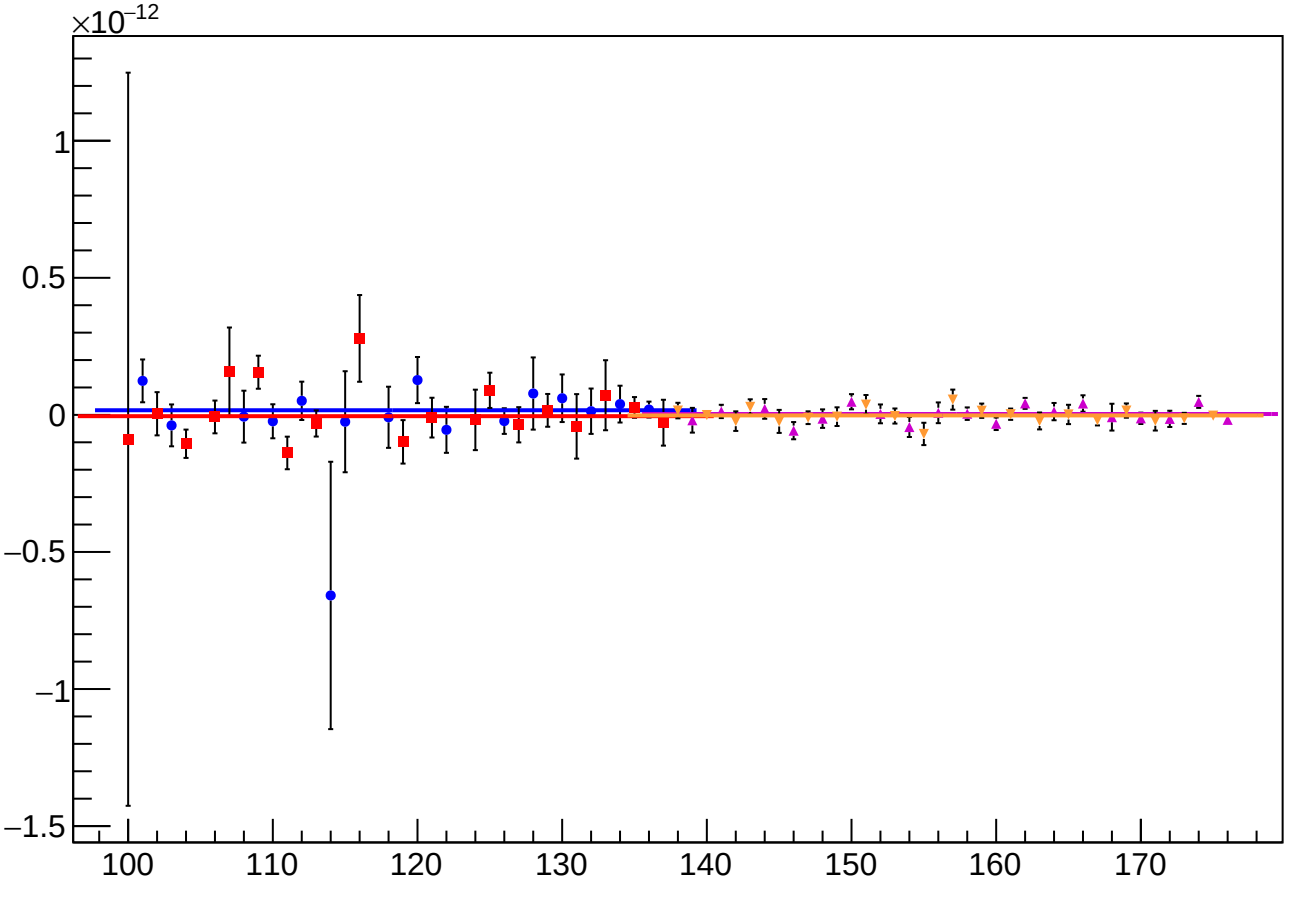
Left In: 2871.955+/-0.515 χ^2/NDF:17370.7/18

+ sign 2883.424+/-0.428 χ^2/NDF: 763573.5/35

All: 2878.780+/-0.302 χ^2/NDF: 974520.0/73

- sign 2874.158+/-0.427 χ^2/NDF: 210711.2/37

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:11.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

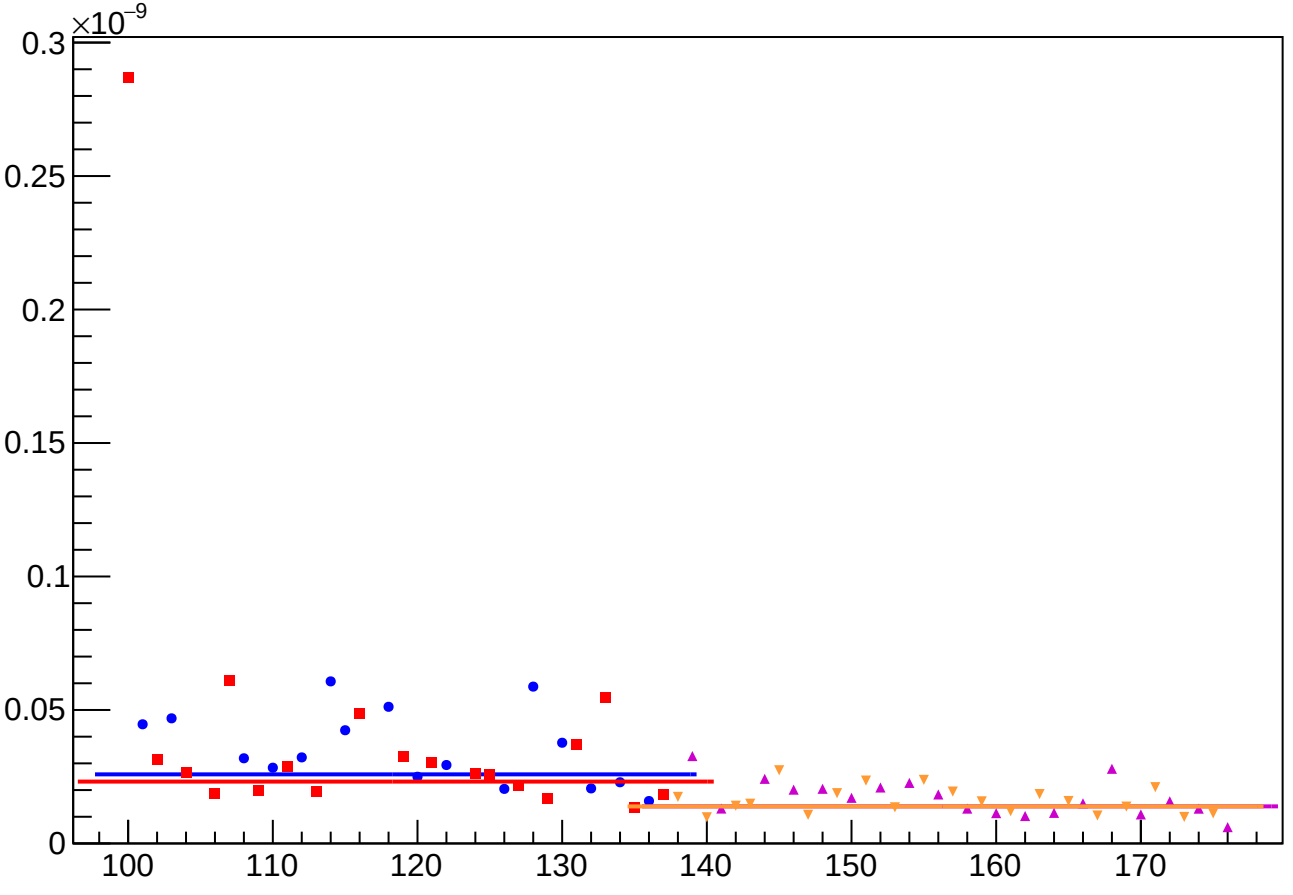
Left In: 0.000+/-0.000 χ^2/NDF:23.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/35

All: 0.000+/-0.000 χ^2/NDF: 71.5/73

- sign 0.000+/-0.000 χ^2/NDF: 49.7/37

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:1083191.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

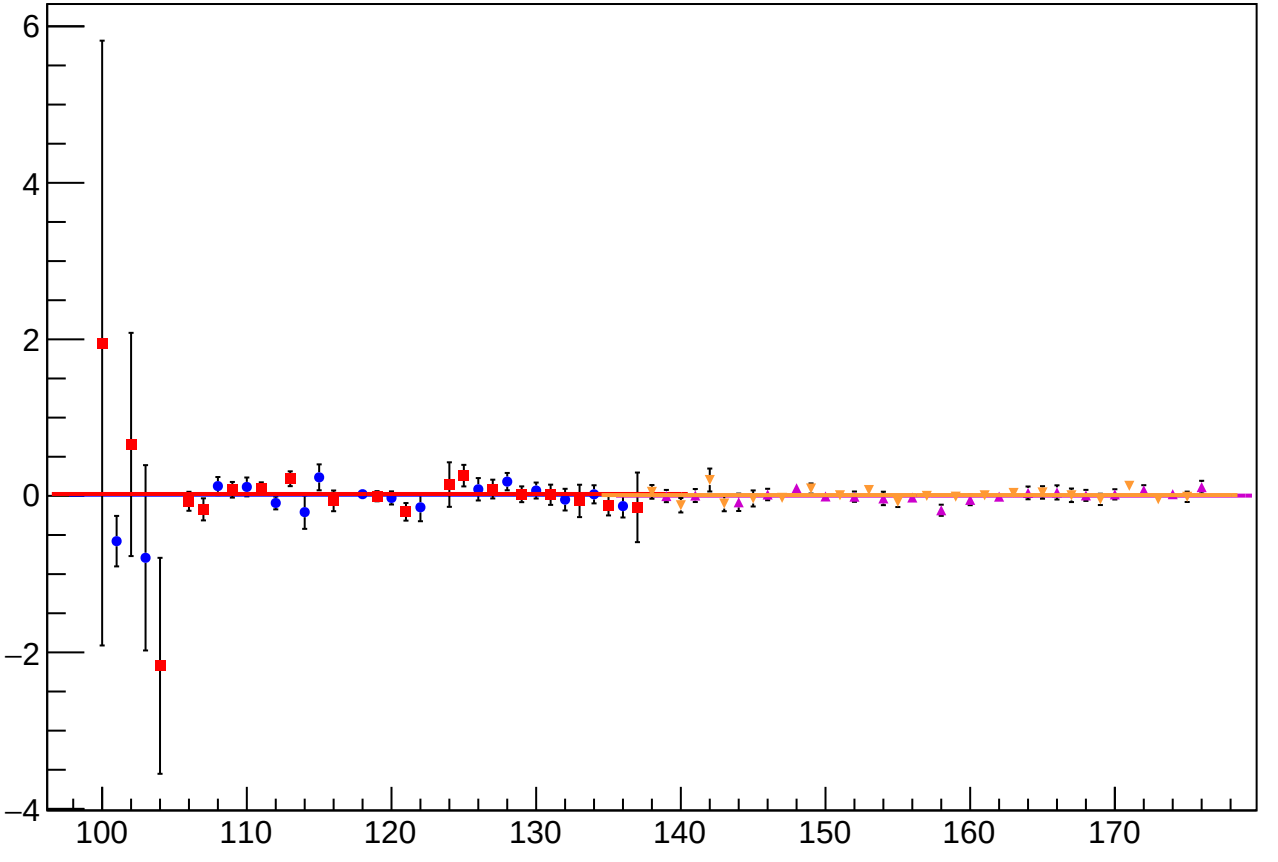
Left In: 0.000+/-0.000 χ^2/NDF:1728929.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 2856065.5/35

All: 0.000+/-0.000 χ^2/NDF: 5881929.2/73

- sign 0.000+/-0.000 χ^2/NDF: 3025849.5/37

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

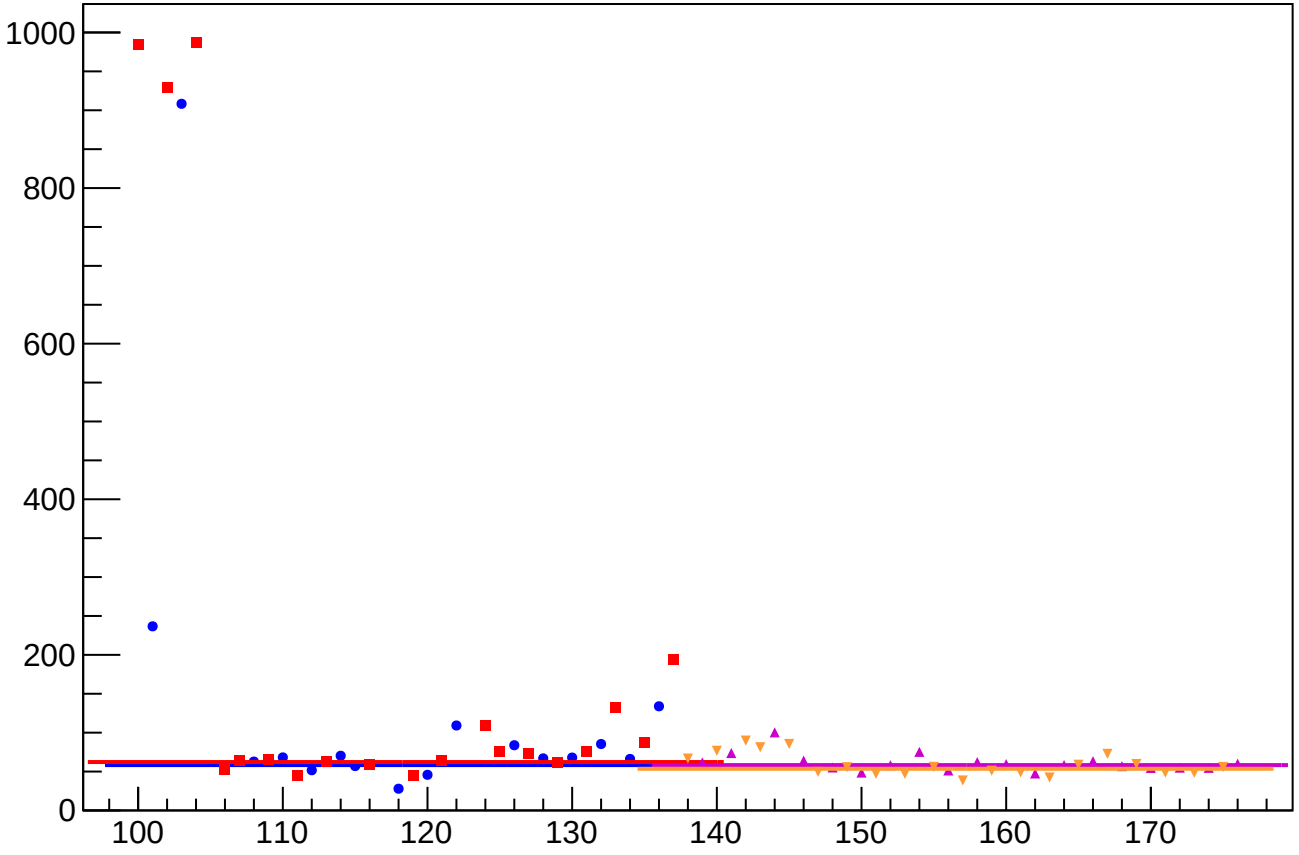
Left In: 0.003+/-0.016 χ^2/NDF:14.3/18

\+ sign 0.011+/-0.013 χ^2/NDF: 31.3/35

All: 0.010+/-0.010 χ^2/NDF: 66.8/73

\- sign 0.008+/-0.014 χ^2/NDF: 35.5/37

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.572+/-0.011 χ^2/NDF:1092461.3/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

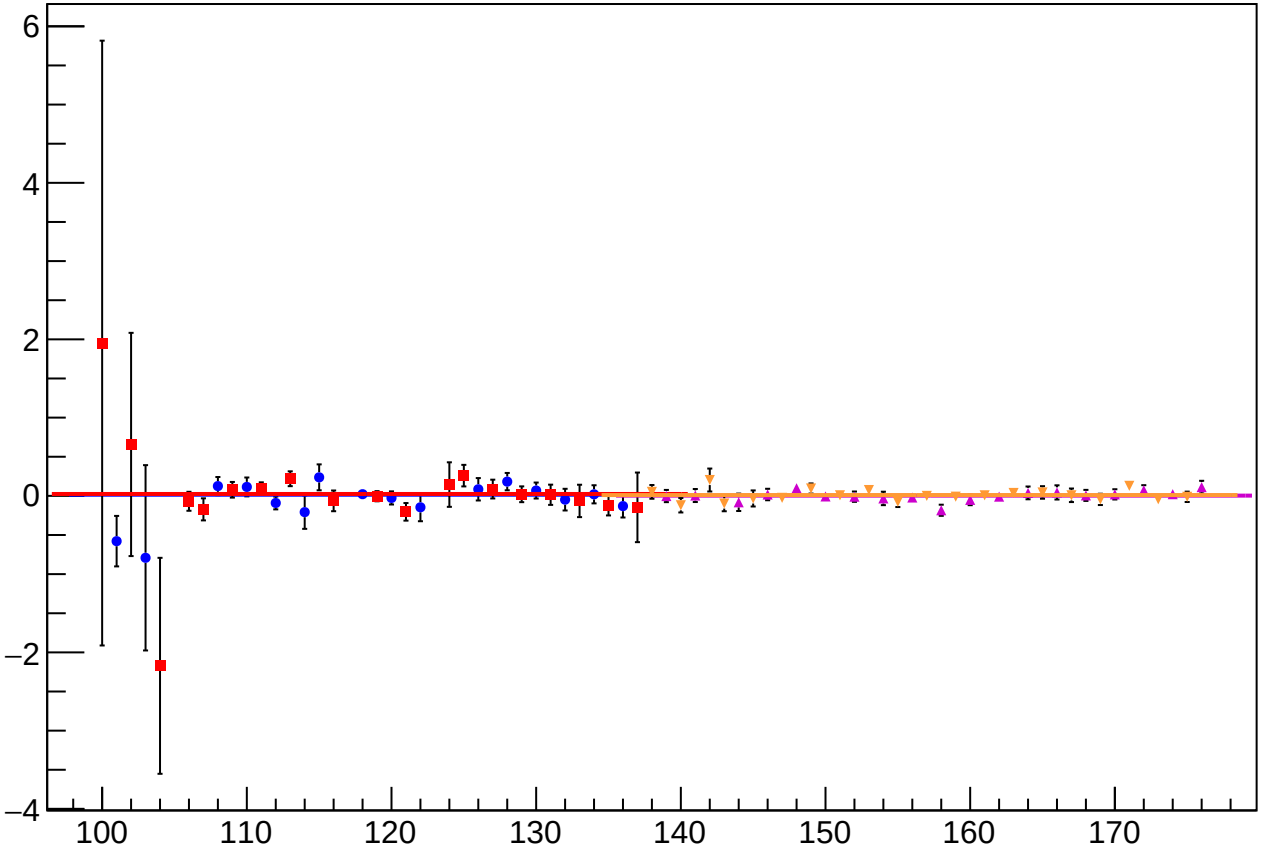
Left In: 58.297+/-0.011 χ^2/NDF:637659.5/18

+ sign 54.666+/-0.009 χ^2/NDF: 4397501.4/35

All: 56.866+/-0.007 χ^2/NDF: 7805352.9/73

- sign 59.281+/-0.010 χ^2/NDF: 3294308.6/37

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

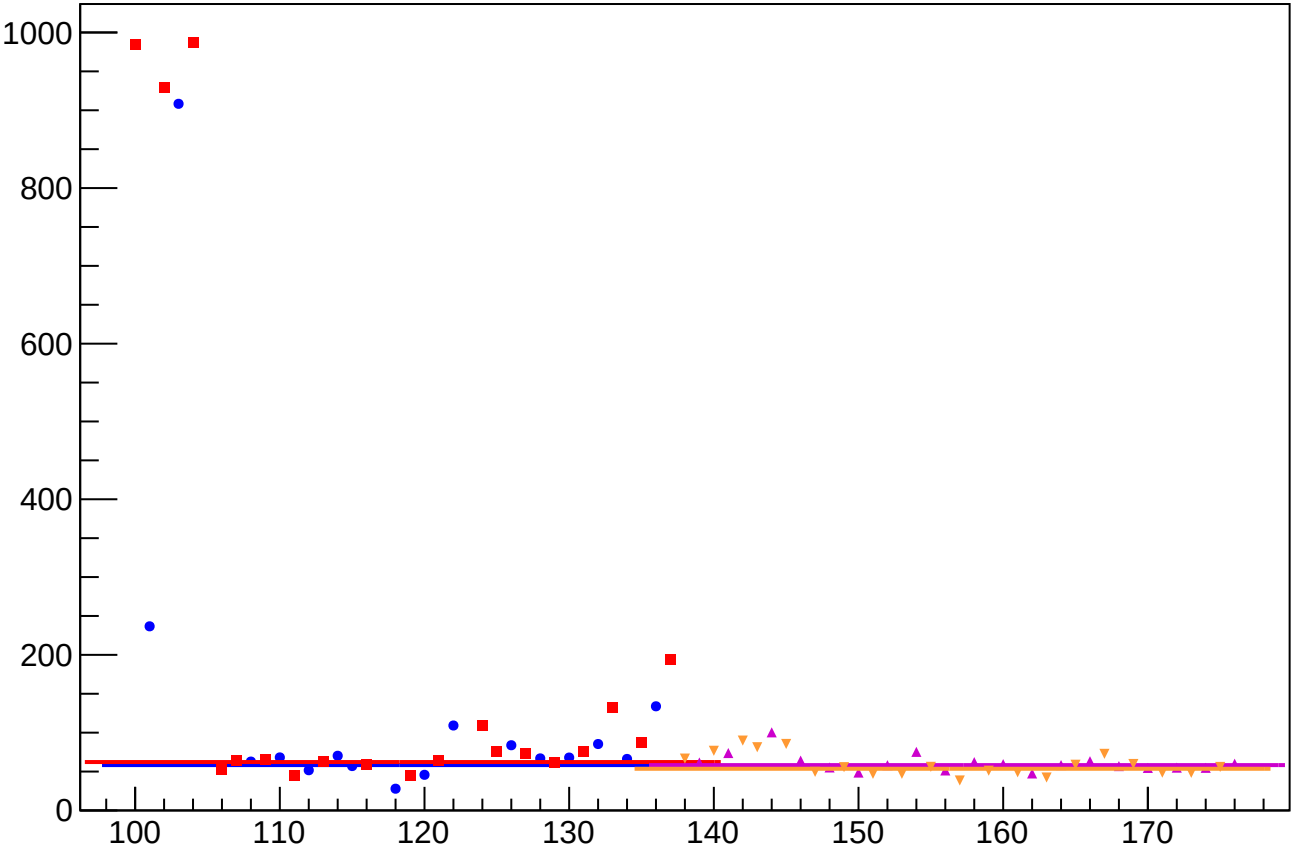
Left In: 0.003+/-0.016 χ^2/NDF:14.3/18

\+ sign 0.011+/-0.013 χ^2/NDF: 31.3/35

All: 0.010+/-0.010 χ^2/NDF: 66.8/73

\- sign 0.008+/-0.014 χ^2/NDF: 35.5/37

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.572+/-0.011 χ^2/NDF:1092461.3/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

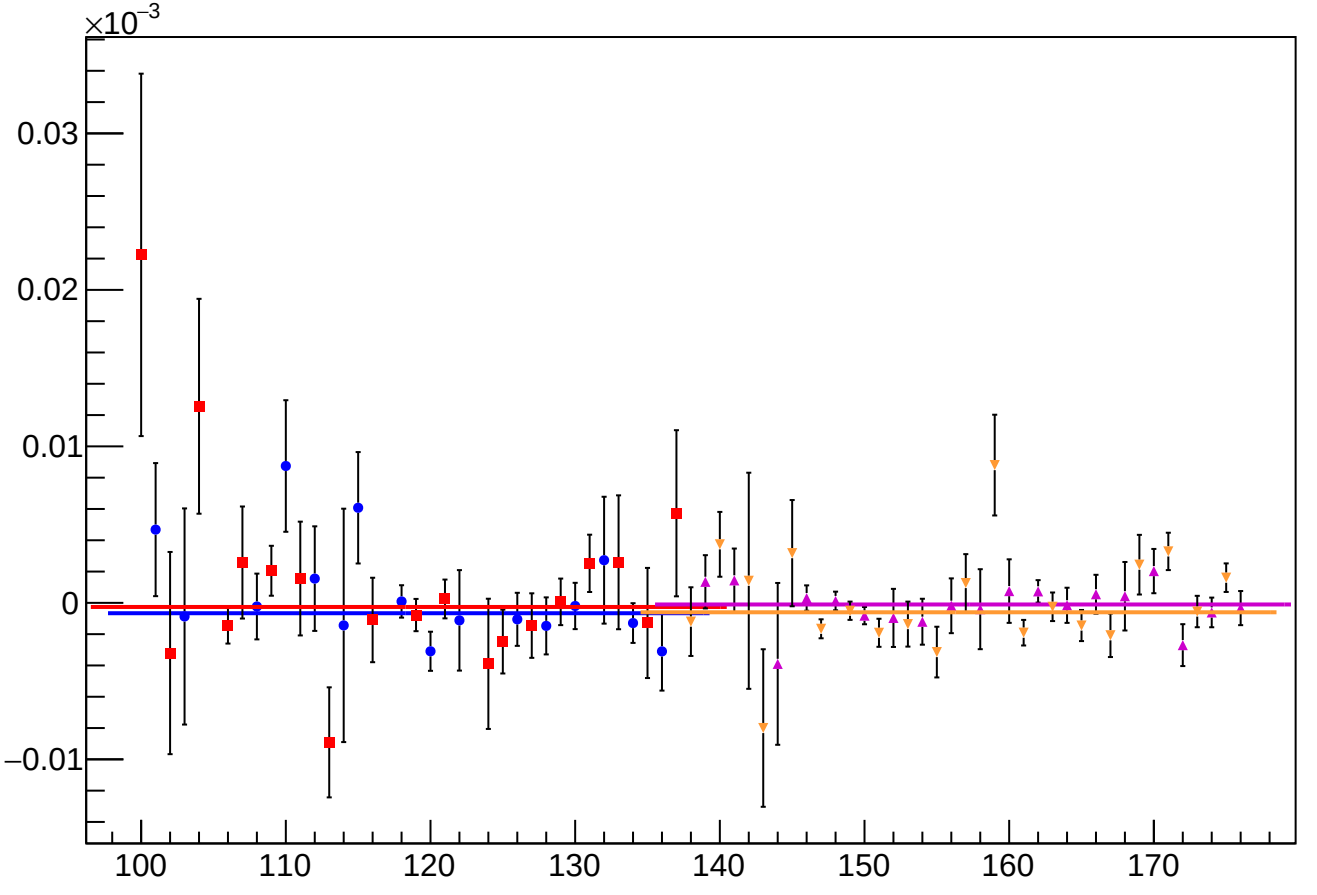
Left In: 58.297+/-0.011 χ^2/NDF:637659.5/18

+ sign 54.666+/-0.009 χ^2/NDF: 4397501.4/35

All: 56.866+/-0.007 χ^2/NDF: 7805352.9/73

- sign 59.281+/-0.010 χ^2/NDF: 3294308.6/37

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:49.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

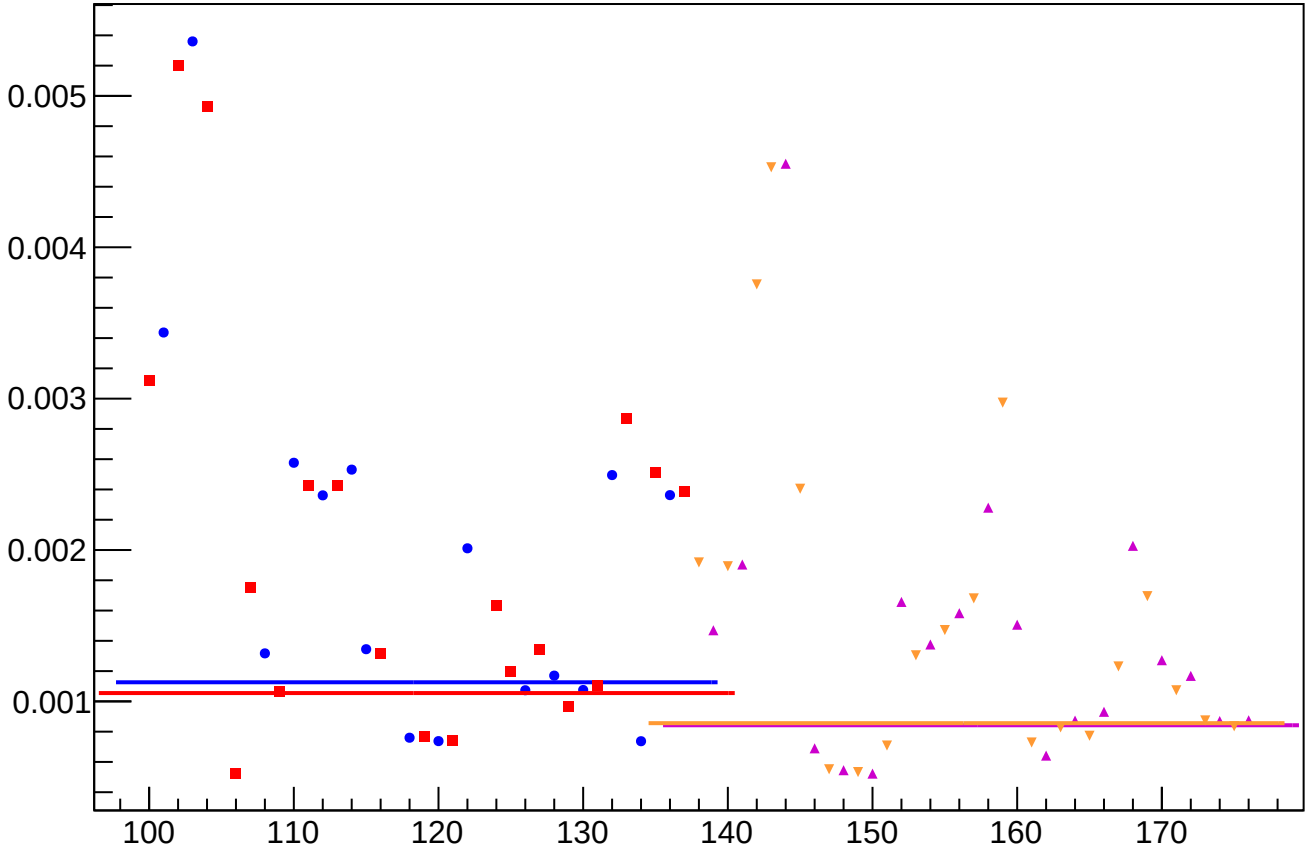
Left In: -0.000+/-0.000 χ^2/NDF:12.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 66.3/35

All: -0.000+/-0.000 χ^2/NDF: 106.2/73

- sign -0.000+/-0.000 χ^2/NDF: 37.6/37

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:6385047.4/19

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

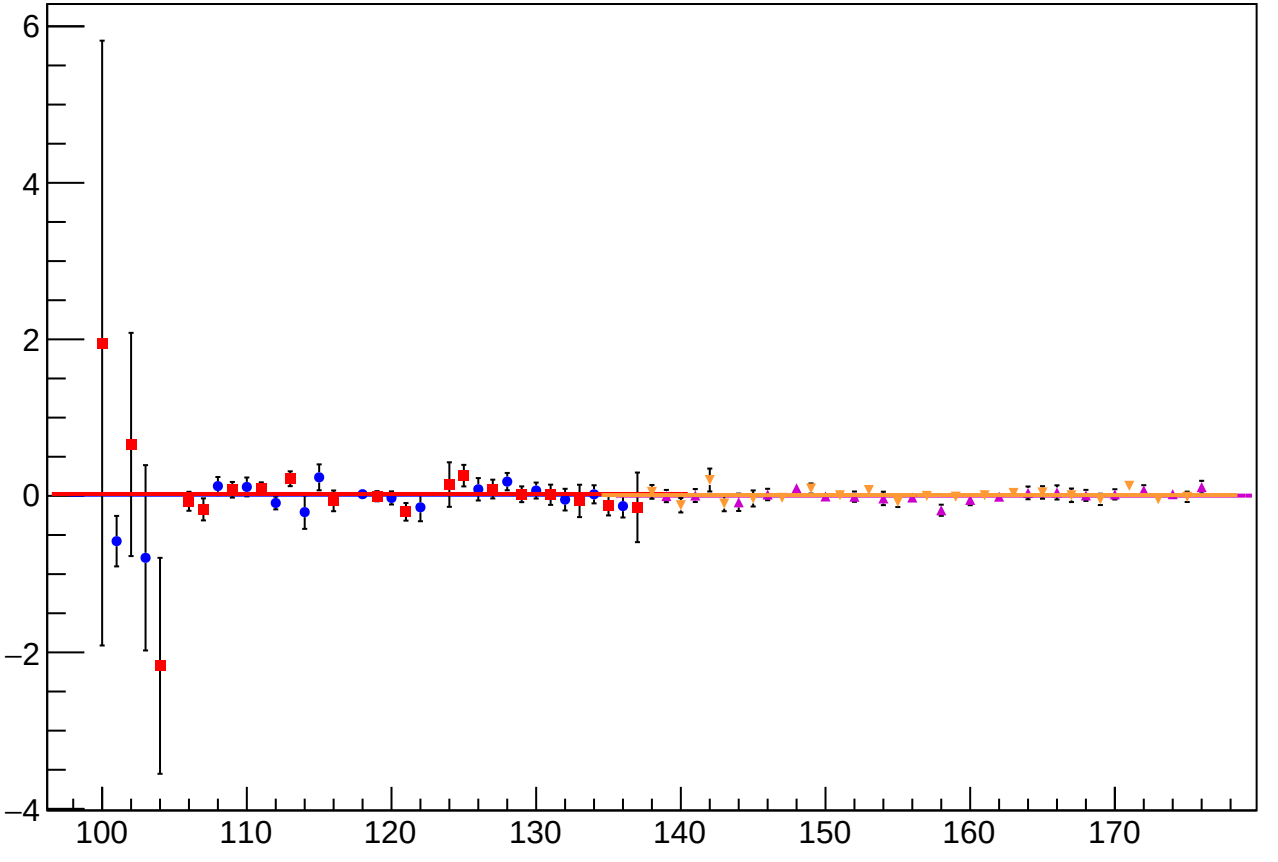
Left In: 0.001+/-0.000 χ^2/NDF:5998990.8/18

+ sign 0.001+/-0.000 χ^2/NDF: 10321093.7/35

All: 0.001+/-0.000 χ^2/NDF: 20505080.1/73

- sign 0.001+/-0.000 χ^2/NDF: 10173804.7/37

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

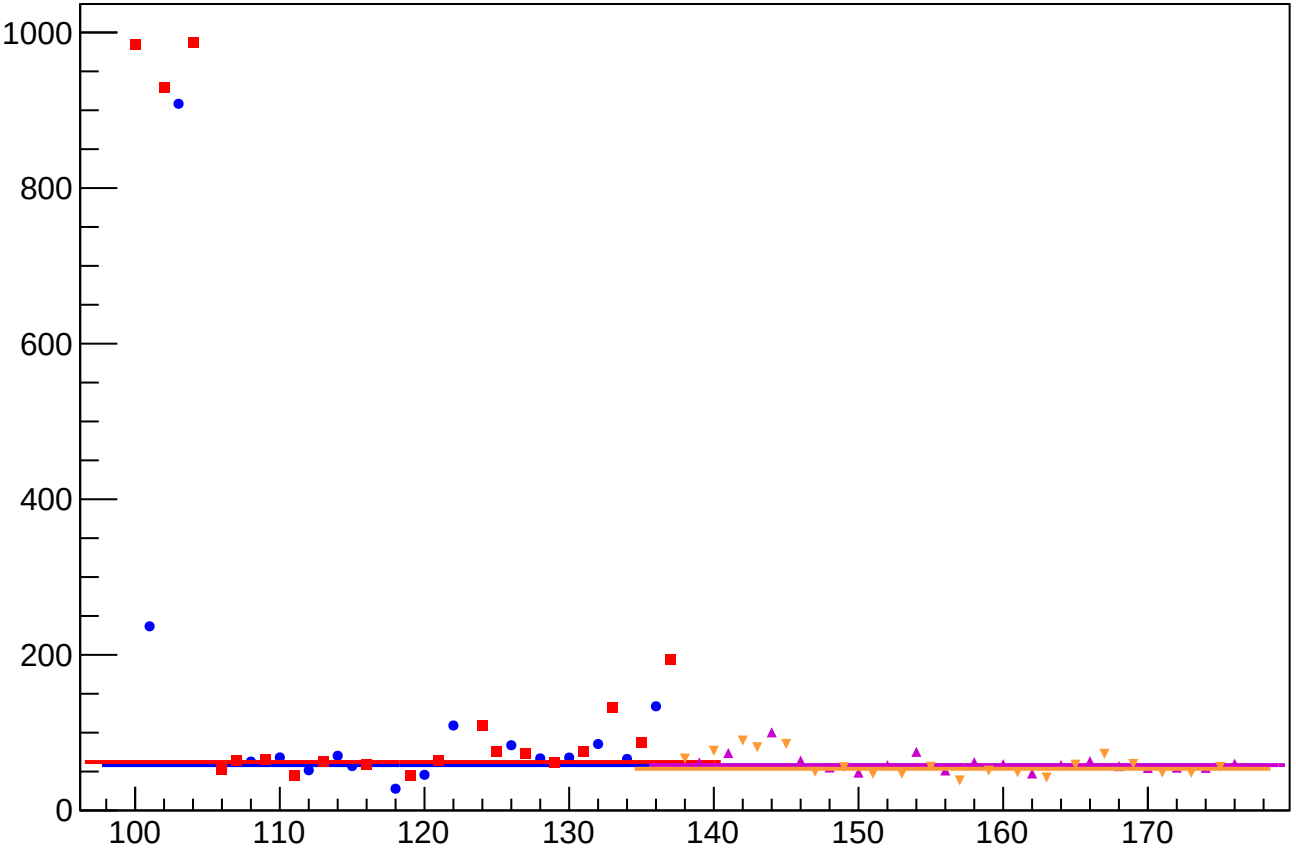
Left In: 0.003+/-0.016 χ^2/NDF:14.3/18

\+ sign 0.011+/-0.013 χ^2/NDF: 31.3/35

All: 0.010+/-0.010 χ^2/NDF: 66.8/73

\- sign 0.008+/-0.014 χ^2/NDF: 35.5/37

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.571+/-0.011 χ^2/NDF:1092526.8/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

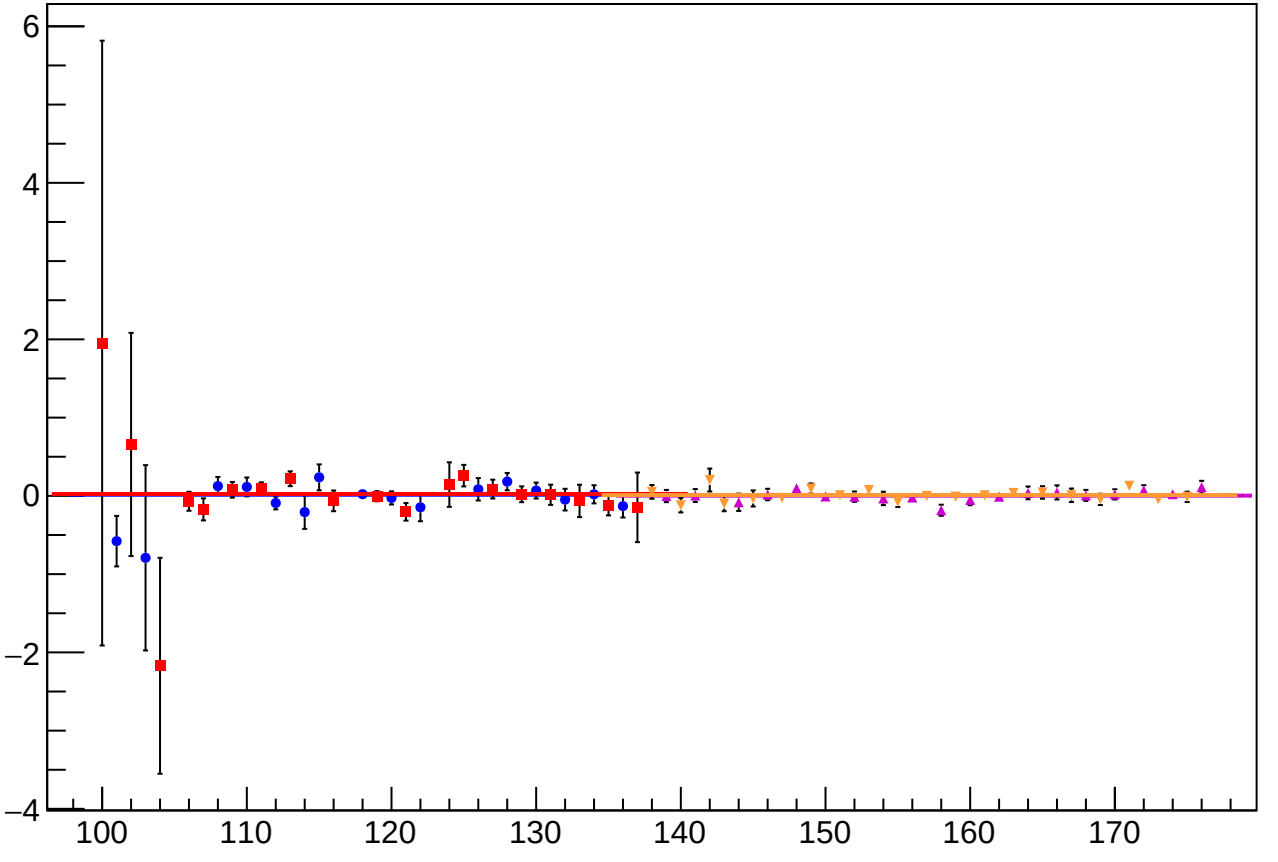
Left In: 58.297+/-0.011 χ^2/NDF:637682.3/18

+ sign 54.666+/-0.009 χ^2/NDF: 4397640.8/35

All: 56.866+/-0.007 χ^2/NDF: 7805532.0/73

- sign 59.281+/-0.010 χ^2/NDF: 3294320.4/37

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: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

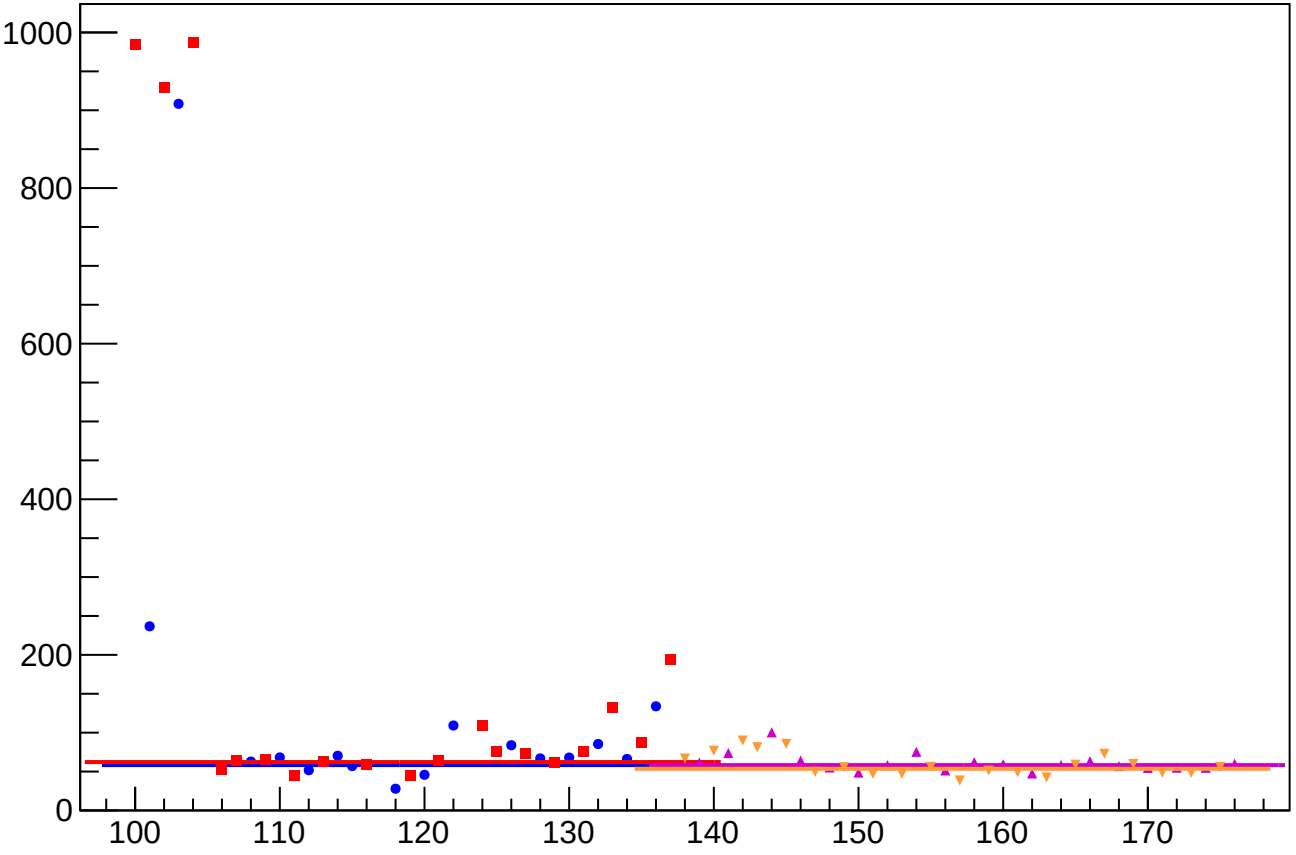
Left In: 0.003+/-0.016 χ^2/NDF:14.3/18

\+ sign 0.011+/-0.013 χ^2/NDF: 31.3/35

All: 0.010+/-0.010 χ^2/NDF: 66.8/73

\- sign 0.008+/-0.014 χ^2/NDF: 35.5/37

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: 53.571+/-0.011 χ^2/NDF:1092526.8/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

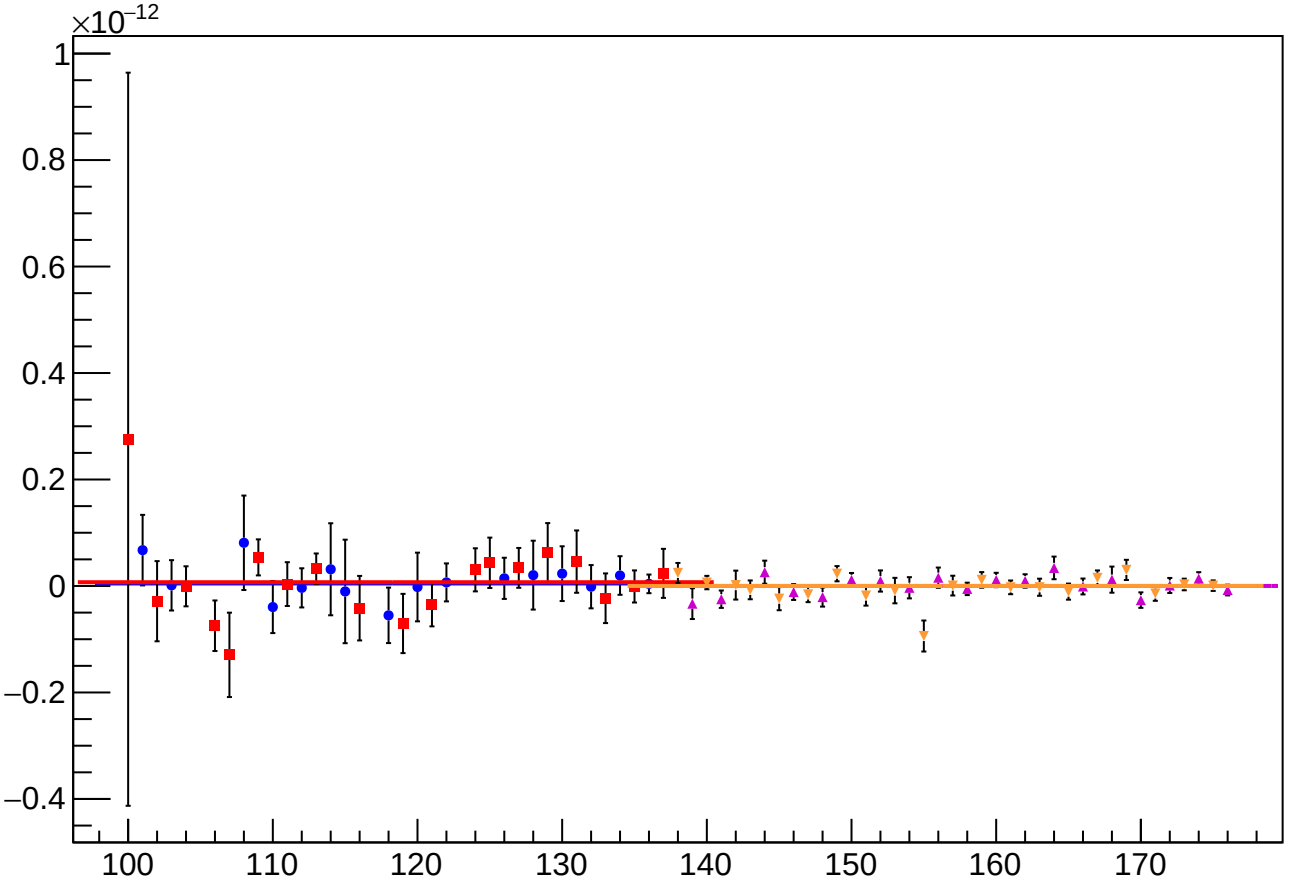
Left In: 58.297+/-0.011 χ^2/NDF:637682.3/18

+ sign 54.666+/-0.009 χ^2/NDF: 4397640.8/35

All: 56.866+/-0.007 χ^2/NDF: 7805532.0/73

- sign 59.281+/-0.010 χ^2/NDF: 3294320.4/37

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:24.6/19

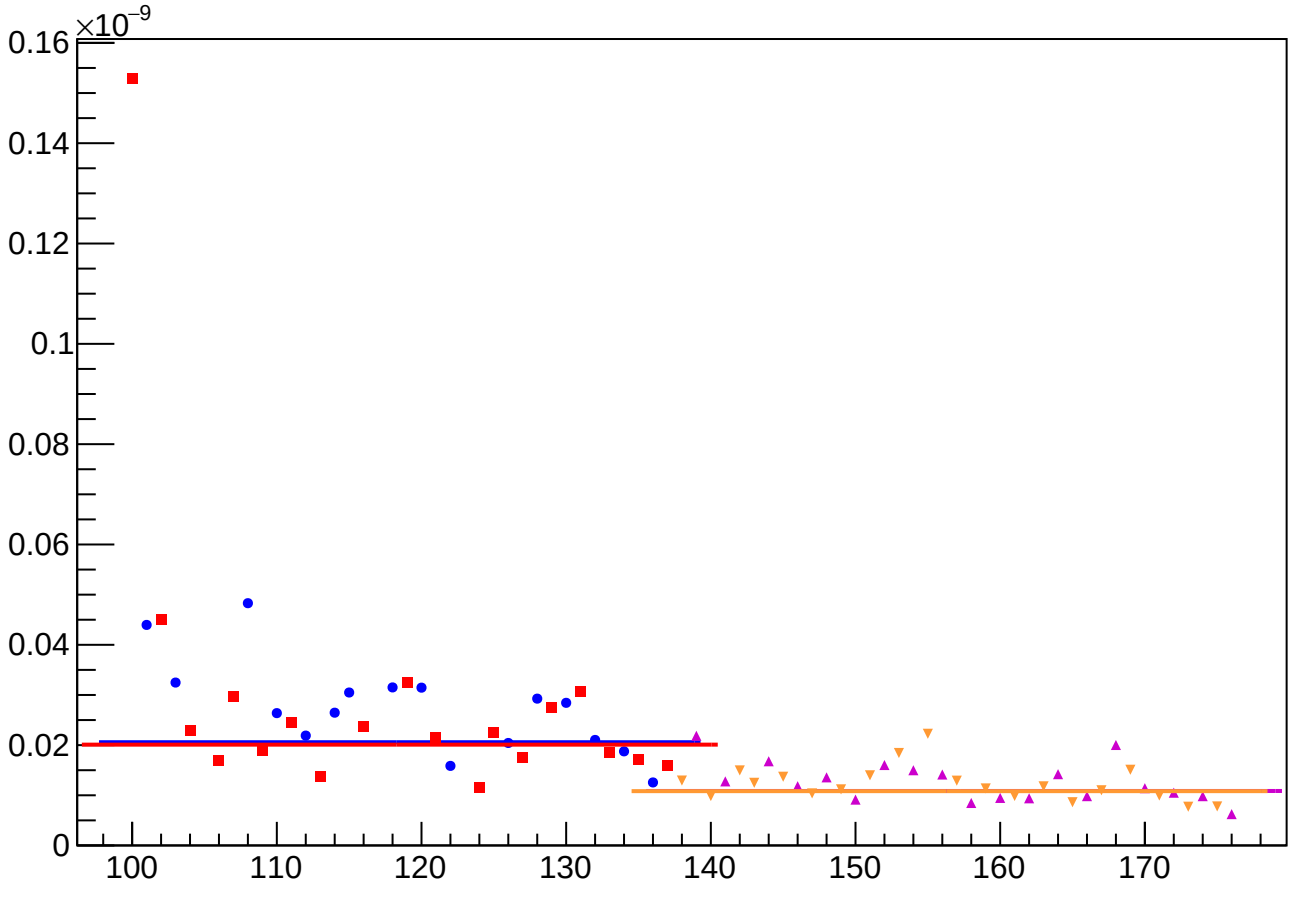
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:18.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/35

All: 0.000+/-0.000 χ^2/NDF: 63.9/73

- sign 0.000+/-0.000 χ^2/NDF: 34.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1254722.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

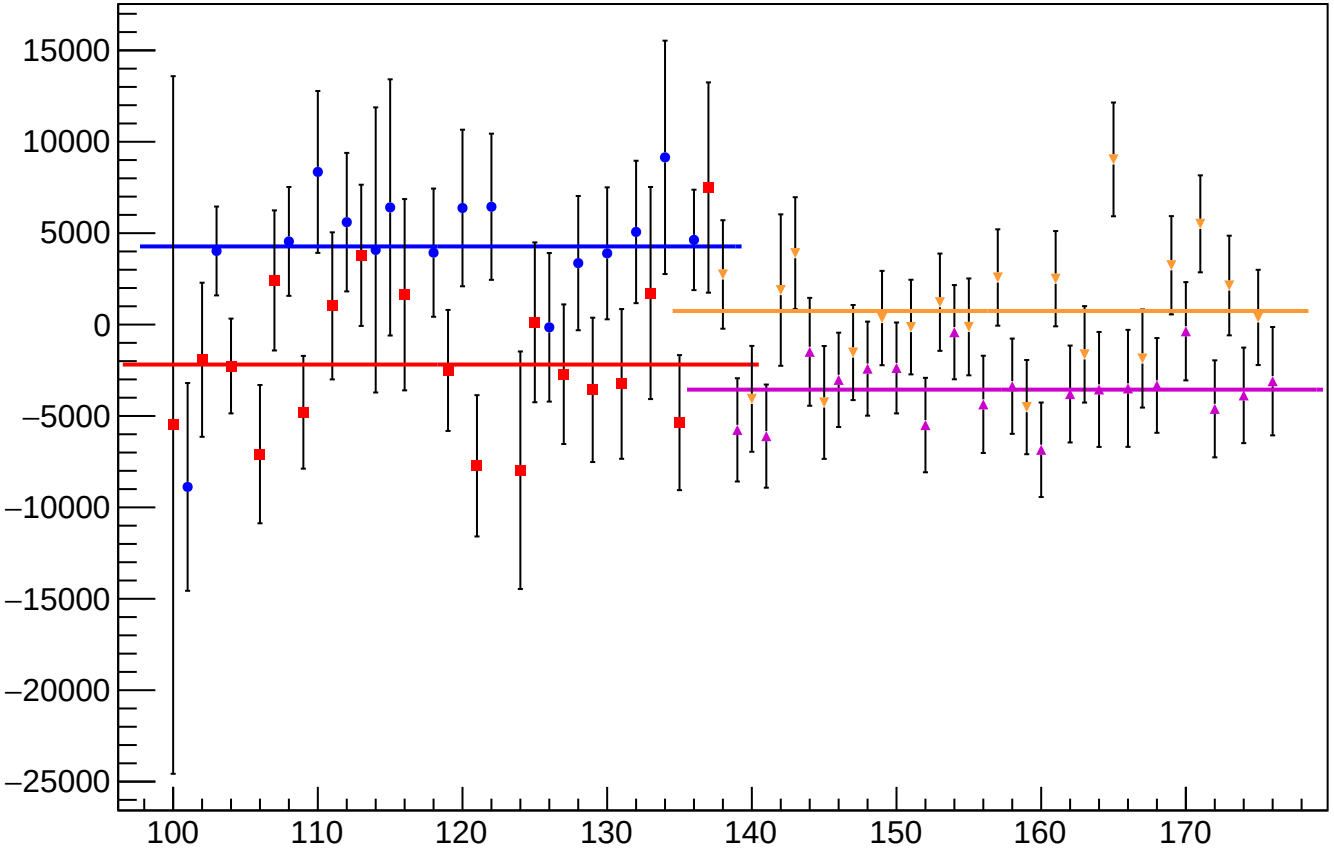
Left In: 0.000+/-0.000 χ^2/NDF:1748721.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 4201089.4/35

All: 0.000+/-0.000 χ^2/NDF: 8252589.7/73

- sign 0.000+/-0.000 χ^2/NDF: 4051435.9/37

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 742.465+/-617.351 χ^2/NDF:26.3/19

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

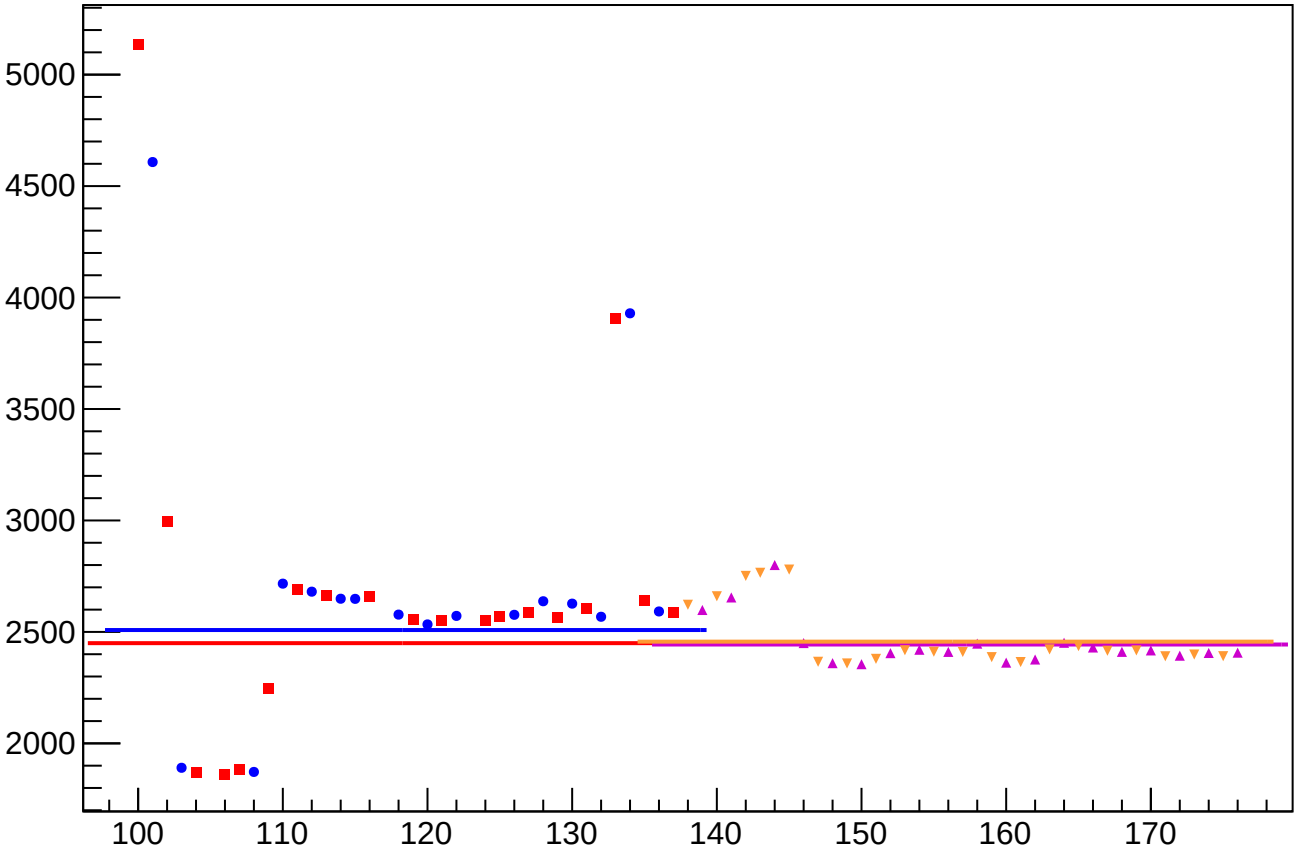
Left In: -3558.829+/-620.402 χ^2/NDF:7.8/18

+ sign 1788.106+/-517.967 χ^2/NDF: 44.9/35

All: -686.872+/-365.112 χ^2/NDF: 114.4/73

- sign -3131.117+/-514.741 χ^2/NDF: 24.1/37

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2456.394+/-0.437 χ^2/NDF:85852.1/19

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

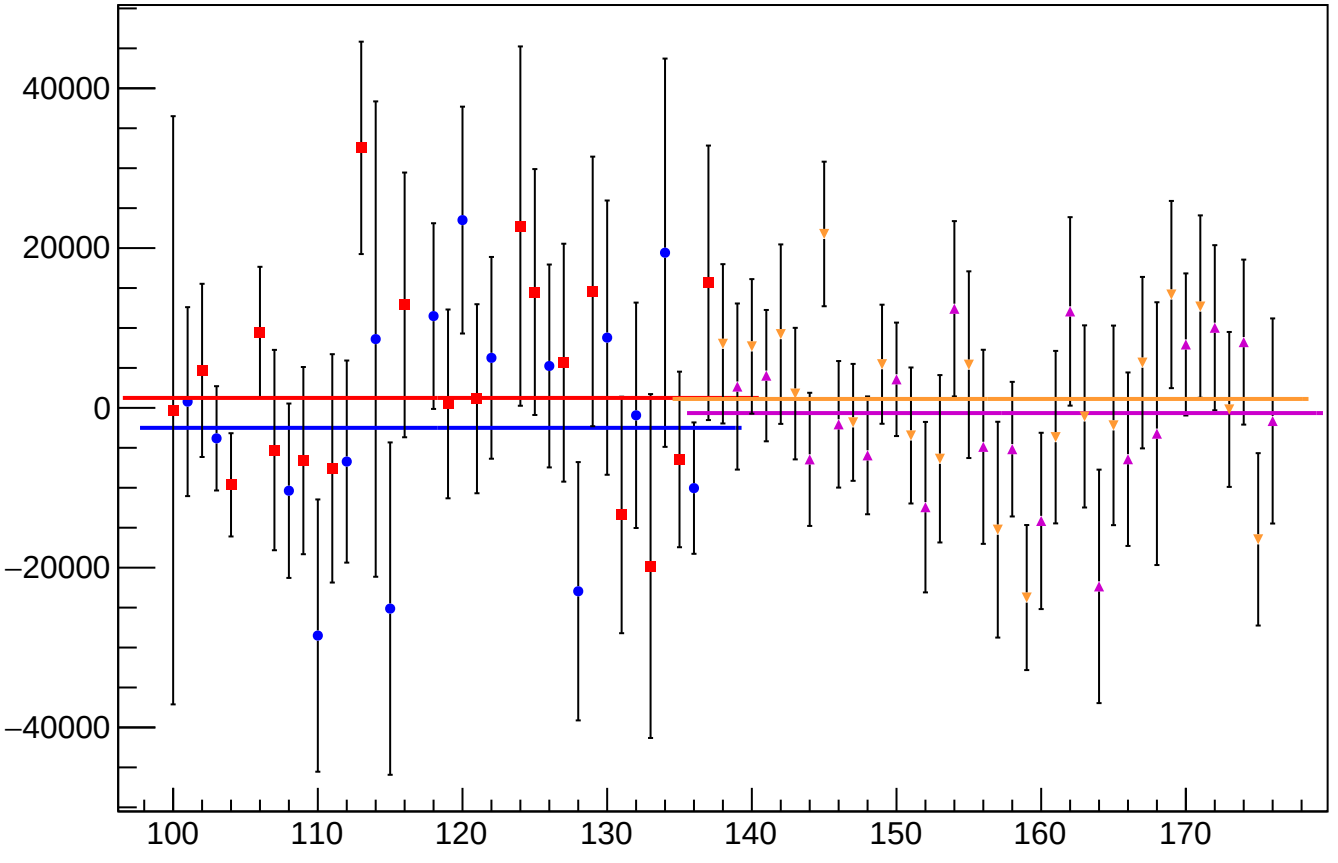
Left In: 2443.512+/-0.439 χ^2/NDF:57254.2/18

+ sign 2471.811+/-0.366 χ^2/NDF: 701654.3/35

All: 2458.531+/-0.258 χ^2/NDF: 1198482.9/73

- sign 2445.416+/-0.364 χ^2/NDF: 494215.7/37

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1117.777+/-2186.646 χ^2/NDF:22.7/19

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

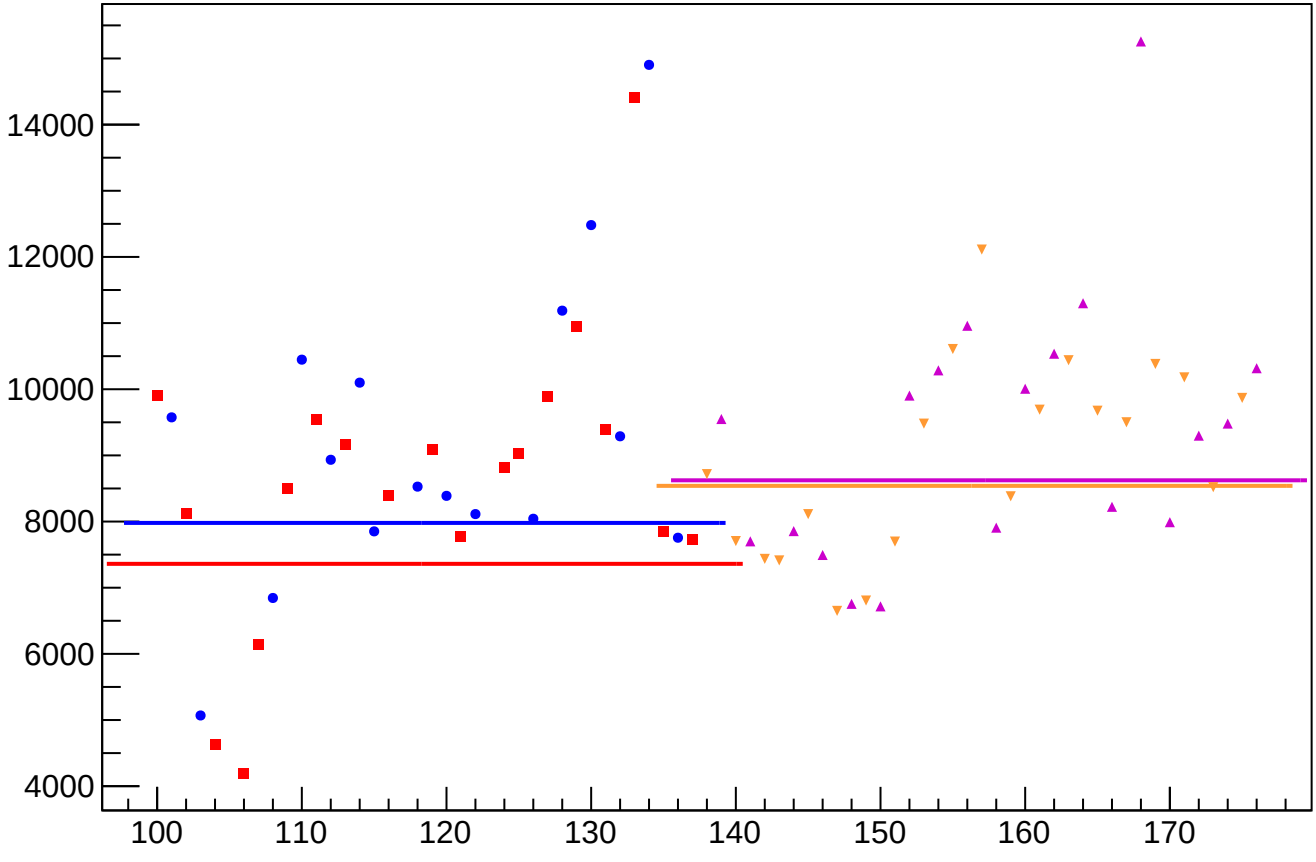
Left In: -651.228+/-2234.388 χ^2/NDF:12.8/18

+ sign -97.128+/-1782.137 χ^2/NDF: 37.3/35

All: -12.725+/-1251.919 χ^2/NDF: 67.0/73

- sign 69.505+/-1759.050 χ^2/NDF: 29.6/37

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8539.660+/-1.546 χ^2/NDF:793958.1/19

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

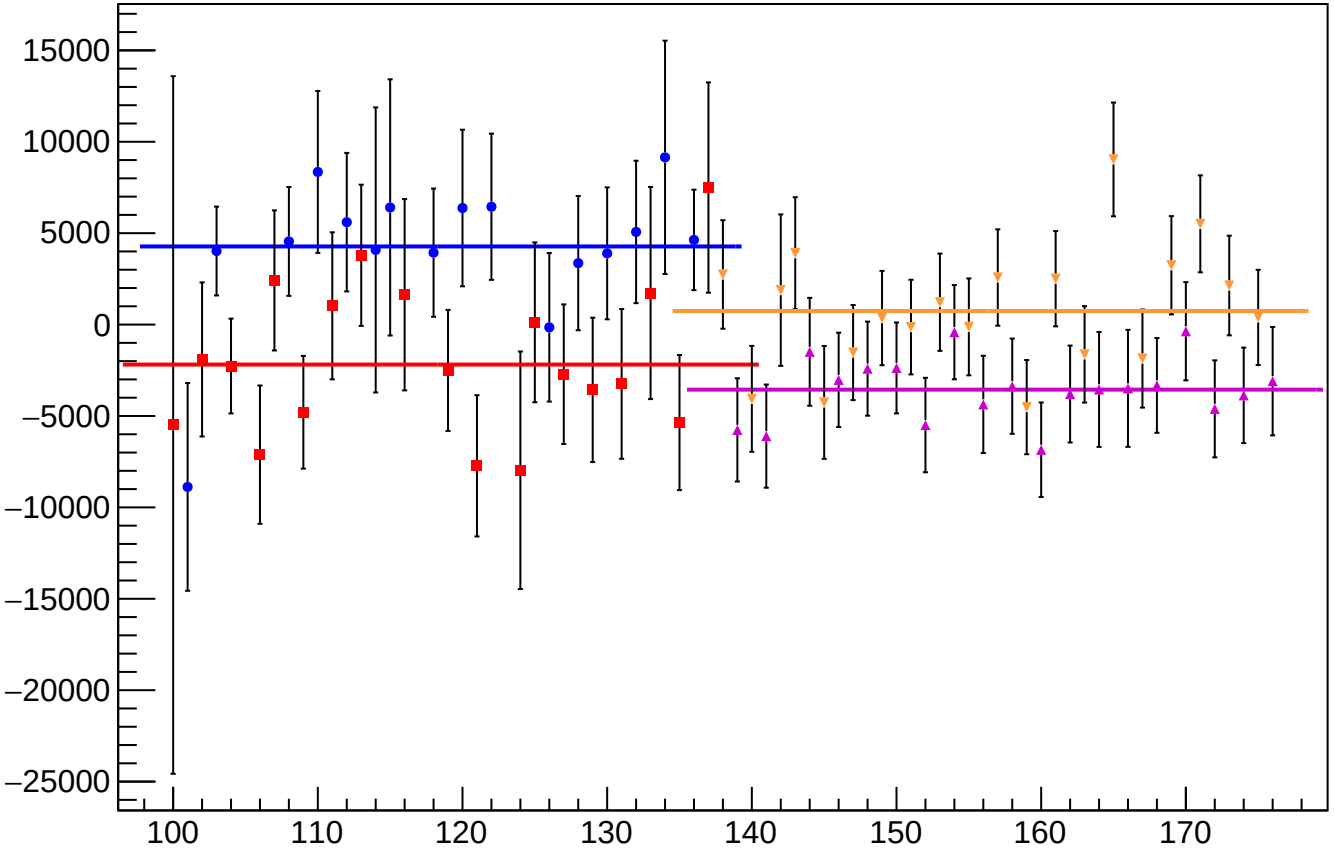
Left In: 8623.560+/-1.580 χ^2/NDF:1080682.3/18

+ sign 8351.577+/-1.260 χ^2/NDF: 1761112.2/35

All: 8246.139+/-0.885 χ^2/NDF: 4384524.2/73

- sign 8143.414+/-1.244 χ^2/NDF: 2609590.7/37

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 742.295+/-617.351 χ^2/NDF:26.3/19

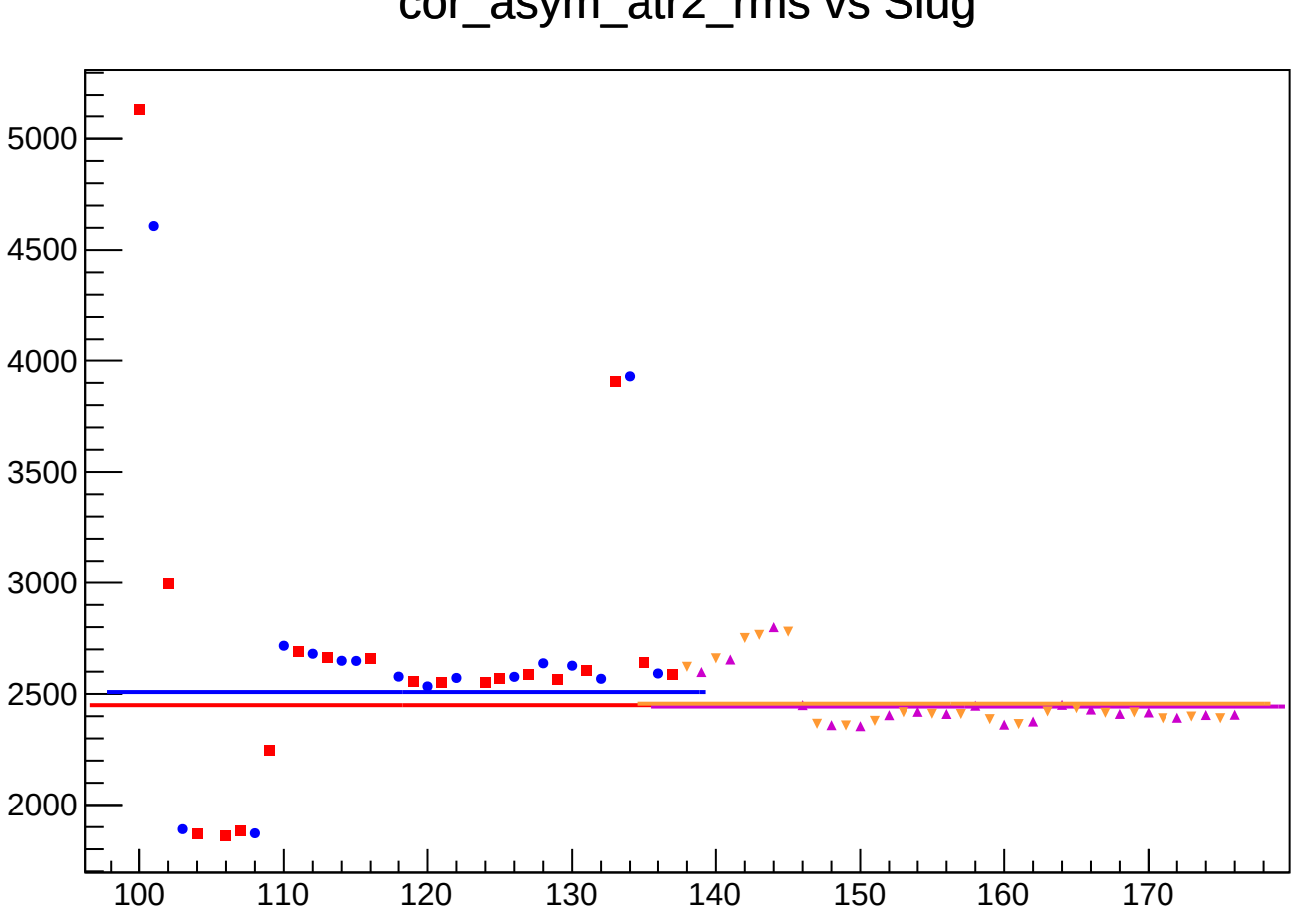
Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: -3558.701+/-620.402 χ^2/NDF:7.8/18

+ sign 1787.841+/-517.967 χ^2/NDF: 44.9/35

All: -687.054+/-365.113 χ^2/NDF: 114.4/73

- sign -3131.228+/-514.742 χ^2/NDF: 24.1/37



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2456.394+/-0.437 χ^2/NDF:85852.1/19

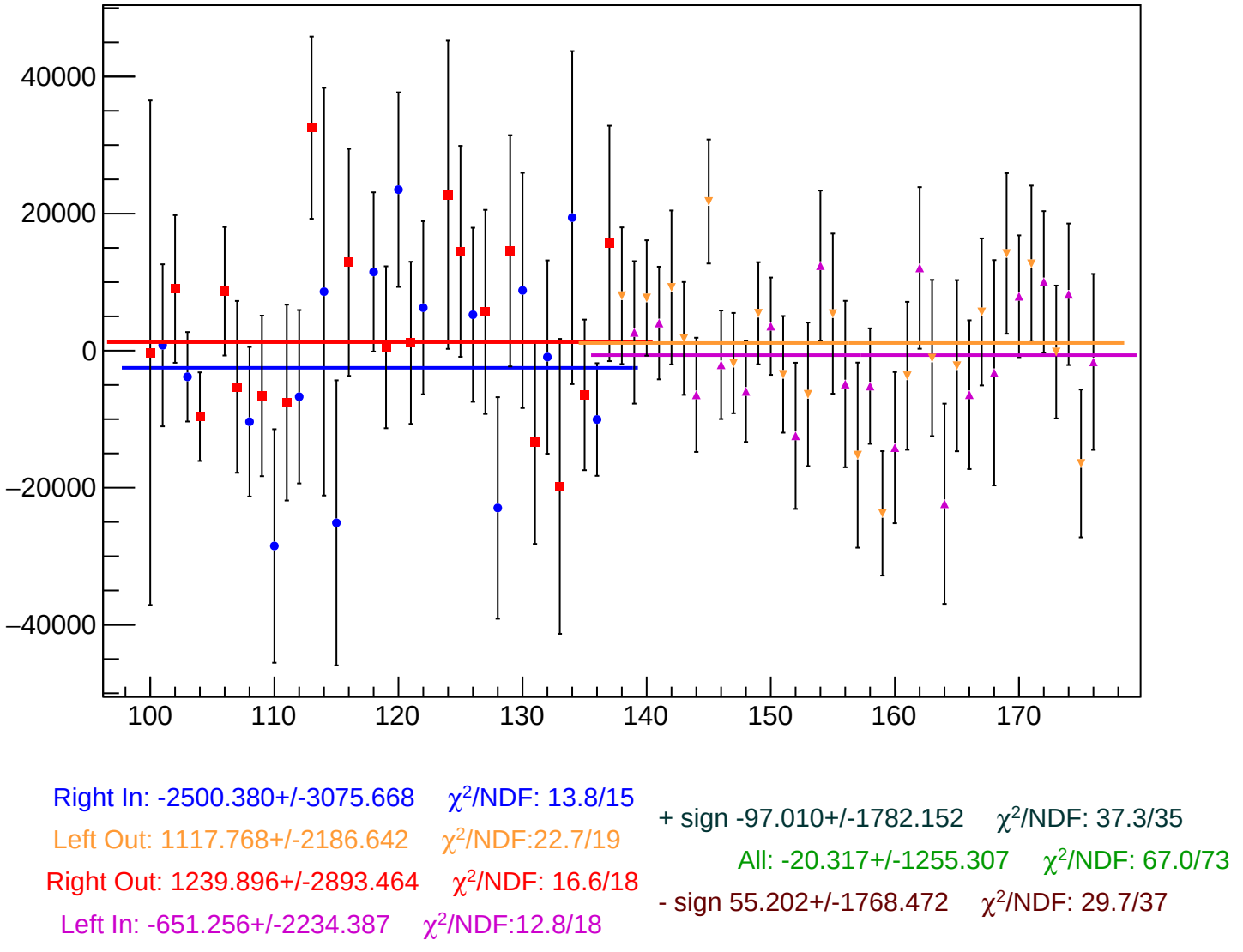
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2443.512+/-0.439 χ^2/NDF:57254.2/18

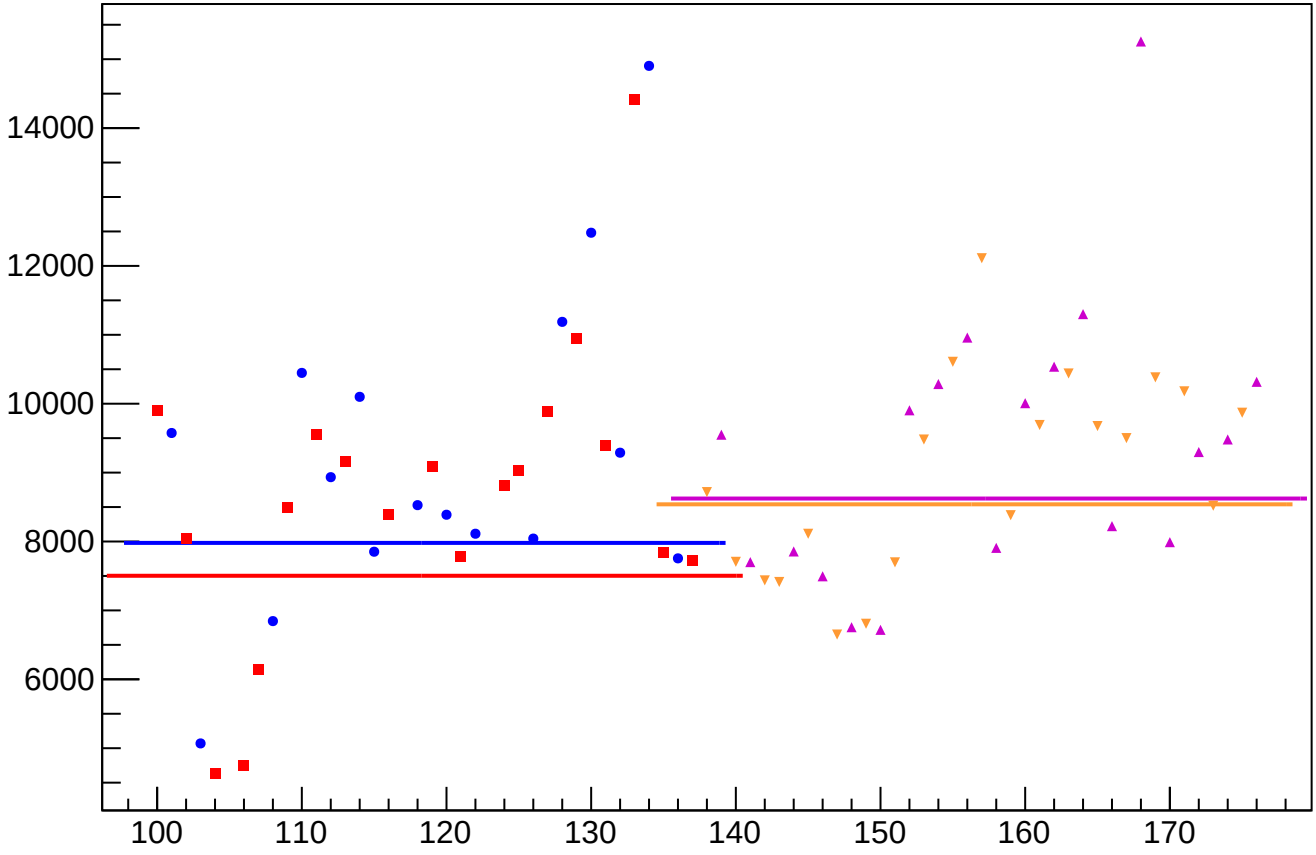
+ sign 2471.811+/-0.366 χ^2/NDF: 701652.2/35

All: 2458.535+/-0.258 χ^2/NDF: 1198425.5/73

- sign 2445.424+/-0.364 χ^2/NDF: 494161.8/37


asym_atr2_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -2500.380+/-3075.668 χ²/NDF: 13.8/15
Left Out: 1117.768+/-2186.642 χ²/NDF:22.7/19
Right Out: 1239.896+/-2893.464 χ²/NDF: 16.6/18
Left In: -651.256+/-2234.387 χ²/NDF:12.8/18
+ sign -97.010+/-1782.152 χ²/NDF: 37.3/35
All: -20.317+/-1255.307 χ²/NDF: 67.0/73
- sign 55.202+/-1768.472 χ²/NDF: 29.7/37

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8539.646+/-1.546 χ^2/NDF:793964.2/19

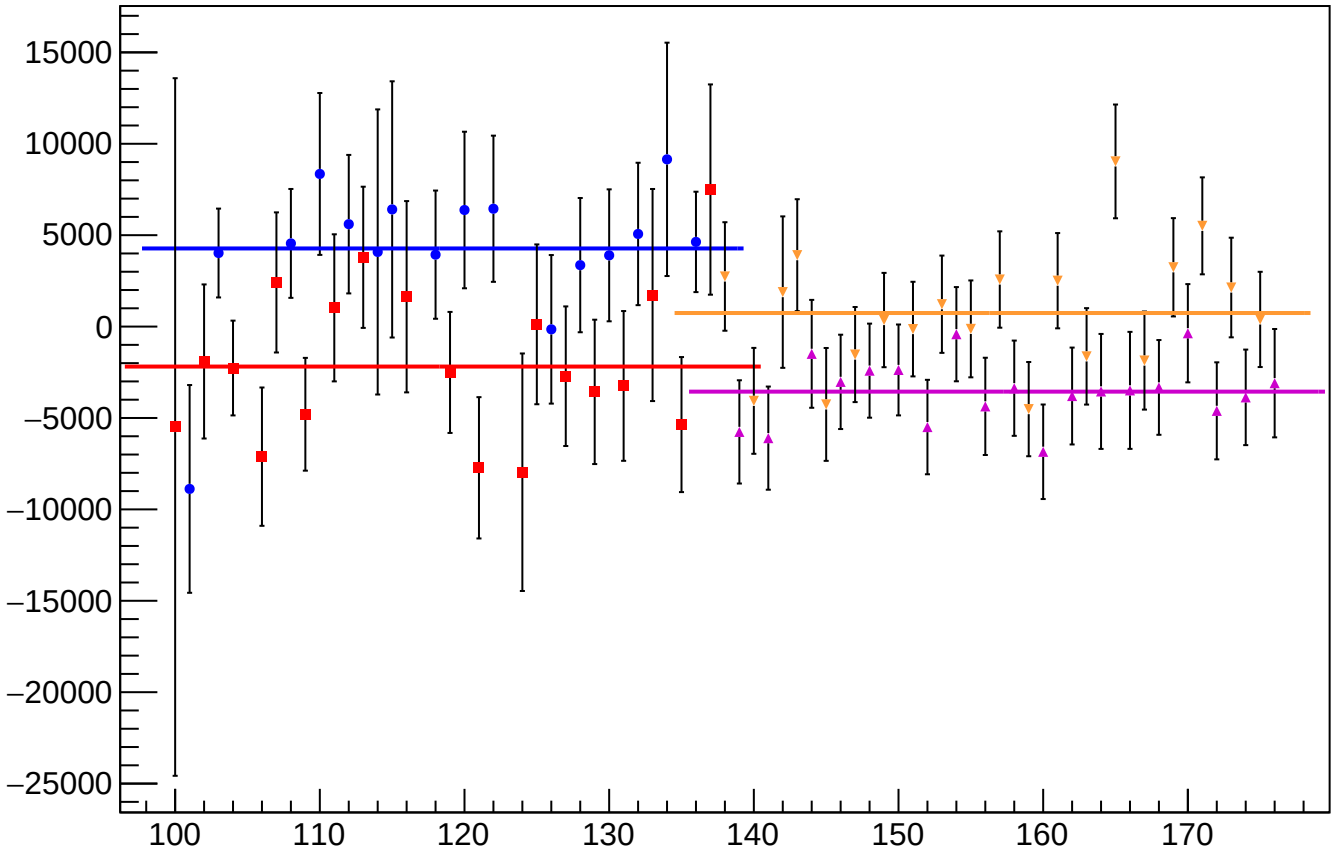
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8623.557+/-1.580 χ^2/NDF:1080685.4/18

+ sign 8351.684+/-1.260 χ^2/NDF: 1760764.9/35

All: 8277.698+/-0.888 χ^2/NDF: 4171826.9/73

- sign 8204.844+/-1.250 χ^2/NDF: 2404220.7/37



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 742.295+/-617.351 χ^2/NDF:26.3/19

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

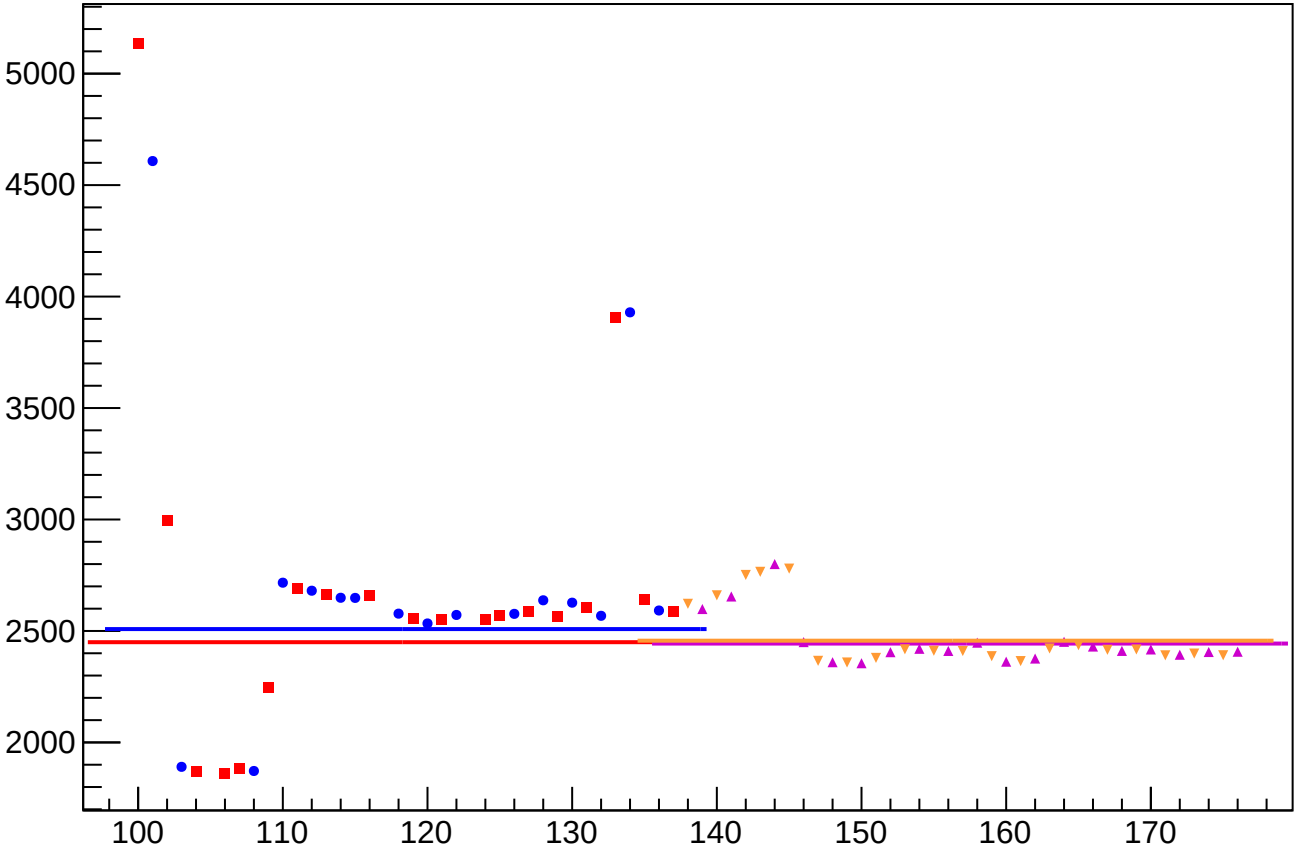
Left In: -3558.701+/-620.402 χ^2/NDF:7.8/18

+ sign 1787.841+/-517.967 χ^2/NDF: 44.9/35

All: -687.054+/-365.113 χ^2/NDF: 114.4/73

- sign -3131.228+/-514.742 χ^2/NDF: 24.1/37

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2456.394+/-0.437 χ^2/NDF:85852.1/19

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

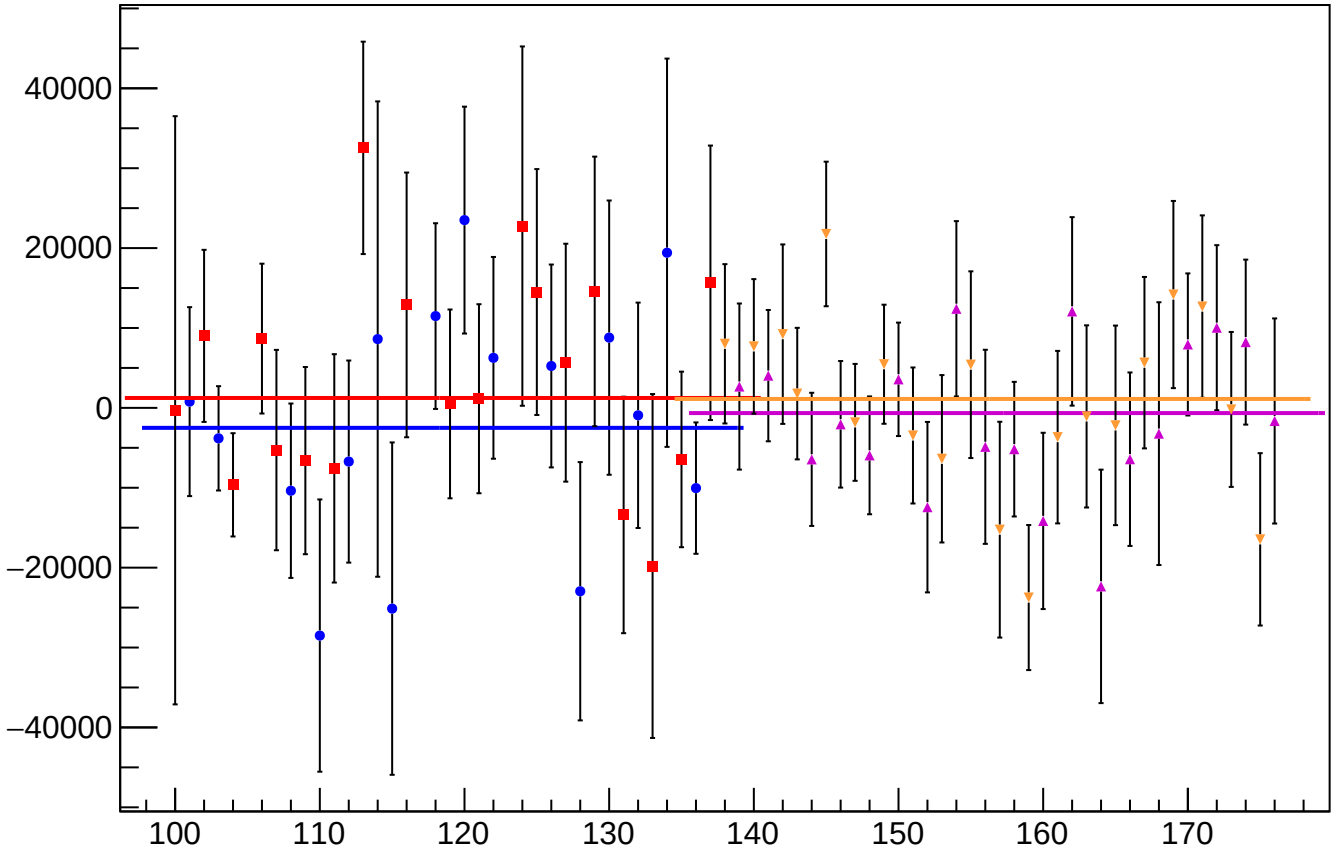
Left In: 2443.512+/-0.439 χ^2/NDF:57254.2/18

+ sign 2471.811+/-0.366 χ^2/NDF: 701652.2/35

All: 2458.535+/-0.258 χ^2/NDF: 1198425.5/73

- sign 2445.424+/-0.364 χ^2/NDF: 494161.8/37

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1117.768+/-2186.642 χ^2/NDF:22.7/19

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

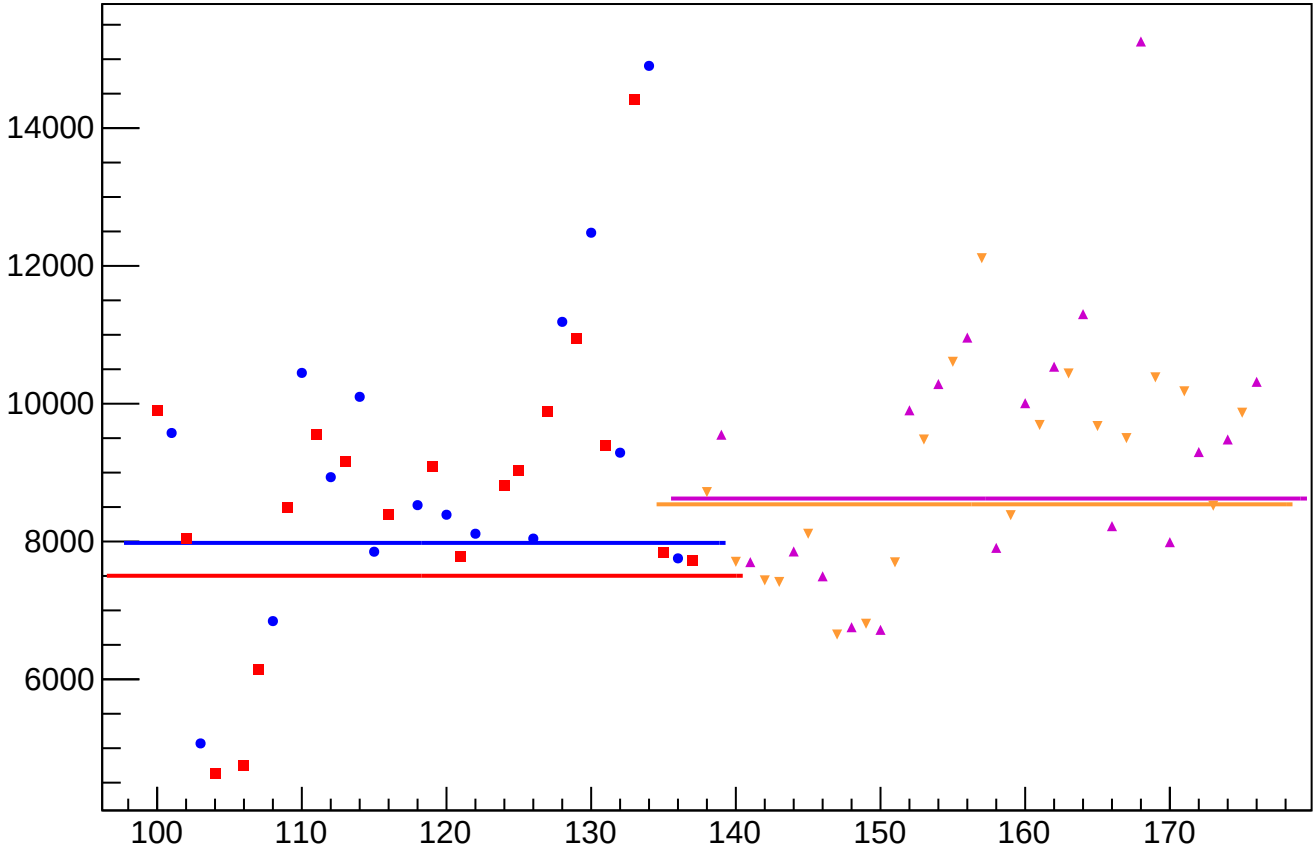
Left In: -651.256+/-2234.387 χ^2/NDF:12.8/18

+ sign -97.010+/-1782.152 χ^2/NDF: 37.3/35

All: -20.317+/-1255.307 χ^2/NDF: 67.0/73

- sign 55.202+/-1768.472 χ^2/NDF: 29.7/37

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8539.646+/-1.546 χ^2/NDF:793964.2/19

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

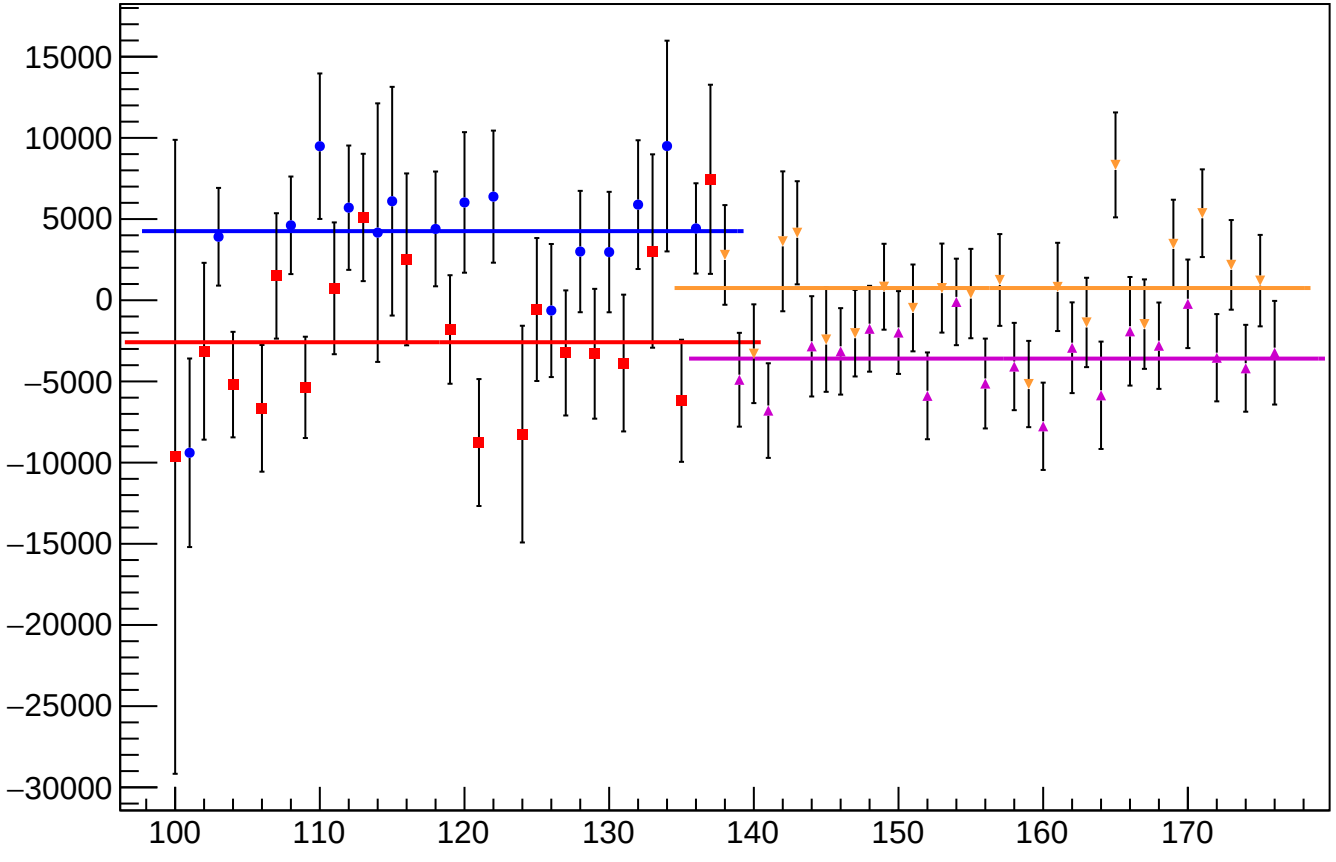
Left In: 8623.557+/-1.580 χ^2/NDF:1080685.4/18

+ sign 8351.684+/-1.260 χ^2/NDF: 1760764.9/35

All: 8277.698+/-0.888 χ^2/NDF: 4171826.9/73

- sign 8204.844+/-1.250 χ^2/NDF: 2404220.7/37

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 752.651+/-639.755 χ^2/NDF:22.0/19

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

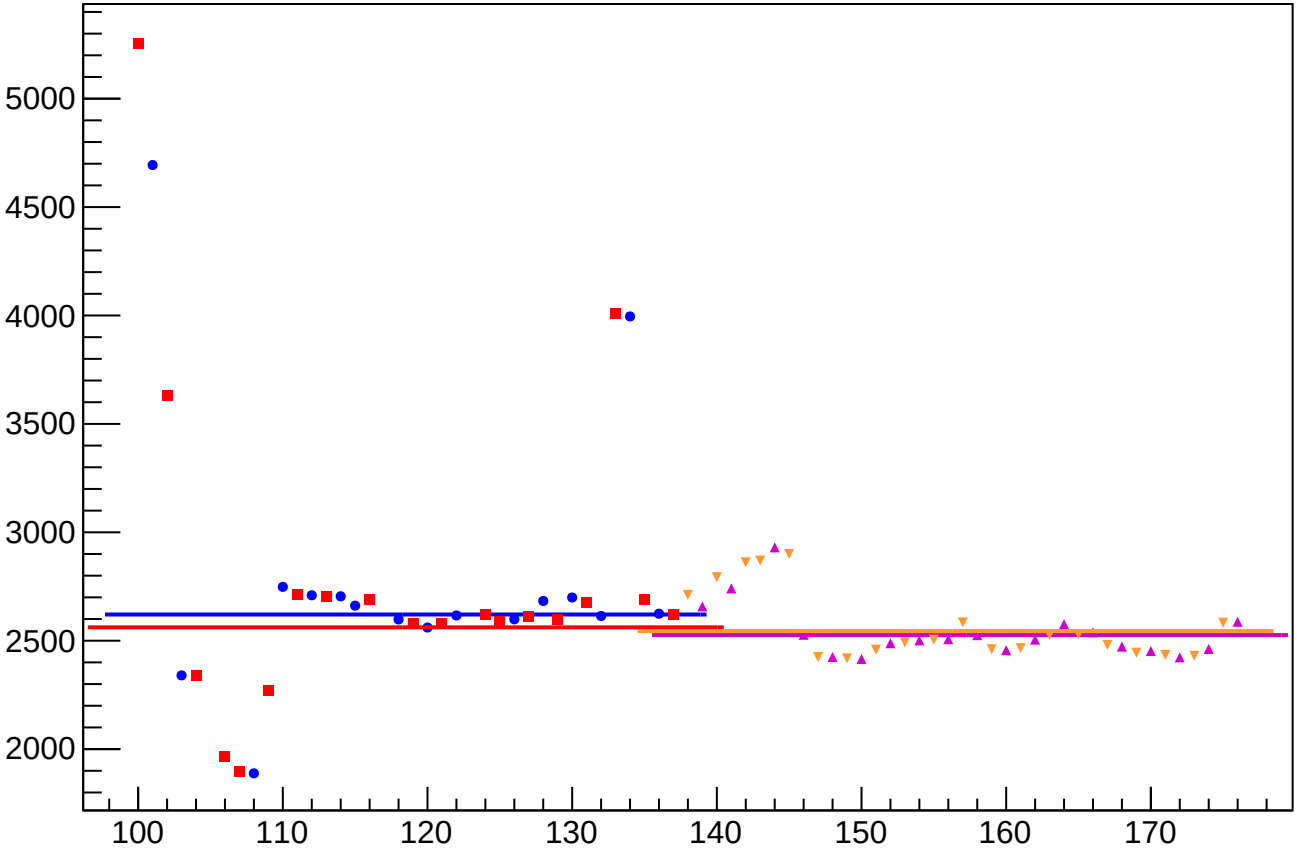
Left In: -3593.750+/-641.571 χ^2/NDF:10.0/18

+ sign 1784.161+/-537.412 χ^2/NDF: 40.9/35

All: -764.397+/-378.955 χ^2/NDF: 114.1/73

- sign -3284.913+/-534.447 χ^2/NDF: 28.4/37

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2544.541+/-0.452 χ^2/NDF:102223.5/19

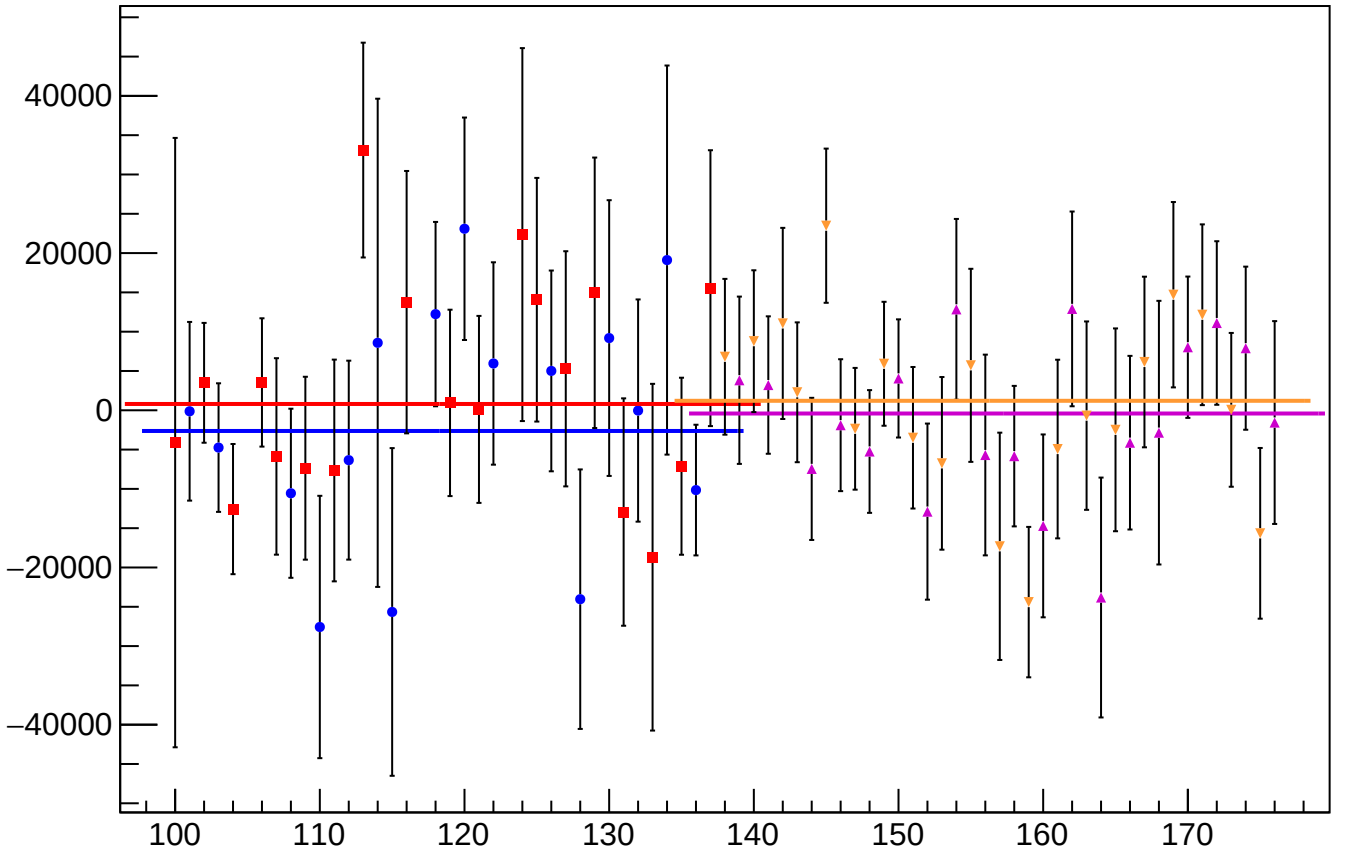
Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2526.115+/-0.454 χ^2/NDF:65753.0/18

+ sign 2567.036+/-0.380 χ^2/NDF: 596538.3/35

All: 2551.943+/-0.268 χ^2/NDF: 1045574.7/73

- sign 2537.021+/-0.378 χ^2/NDF: 445899.1/37



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1207.099+/-2288.938 χ^2/NDF:22.4/19

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

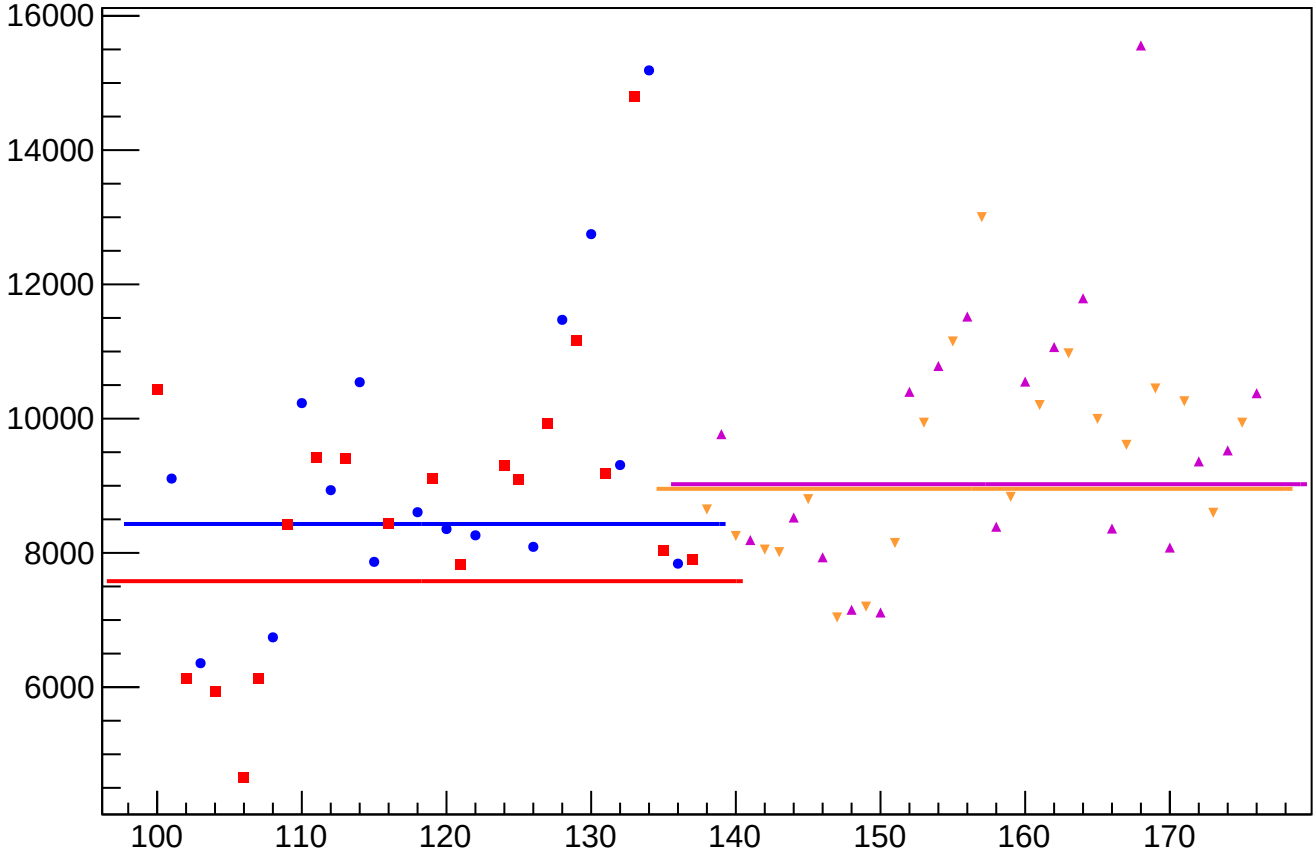
Left In: -409.566+/-2334.567 χ^2/NDF:12.7/18

+ sign -86.126+/-1863.956 χ^2/NDF: 37.2/35

All: -4.492+/-1299.182 χ^2/NDF: 65.4/73

- sign 72.636+/-1811.795 χ^2/NDF: 28.2/37

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8954.437+/-1.619 χ^2/NDF:700671.1/19

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

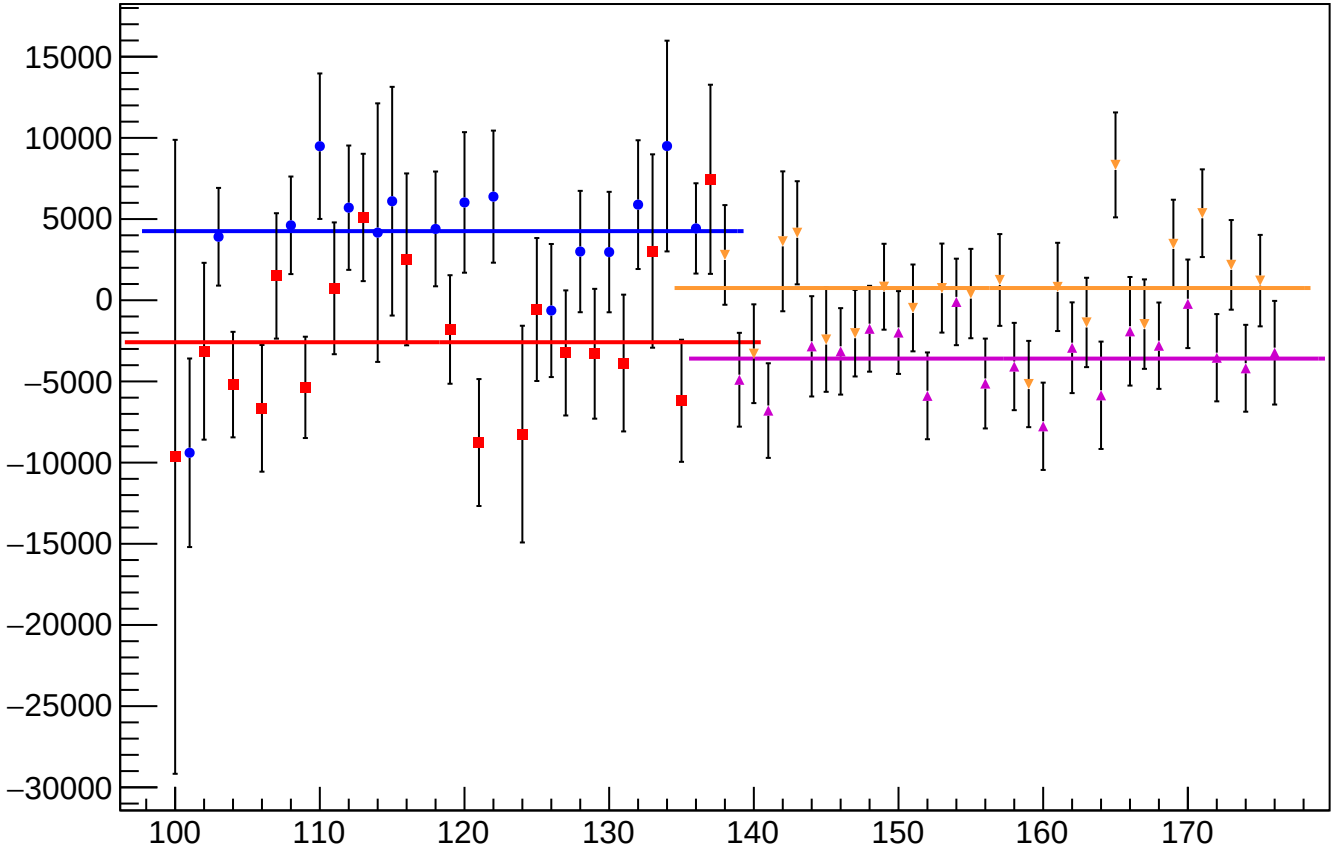
Left In: 9023.214+/-1.651 χ^2/NDF:991849.0/18

+ sign 8778.032+/-1.318 χ^2/NDF: 1316230.0/35

All: 8608.786+/-0.919 χ^2/NDF: 3618628.7/73

- sign 8448.880+/-1.281 χ^2/NDF: 2270330.5/37

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 752.638+/-639.755 χ^2/NDF:22.0/19

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

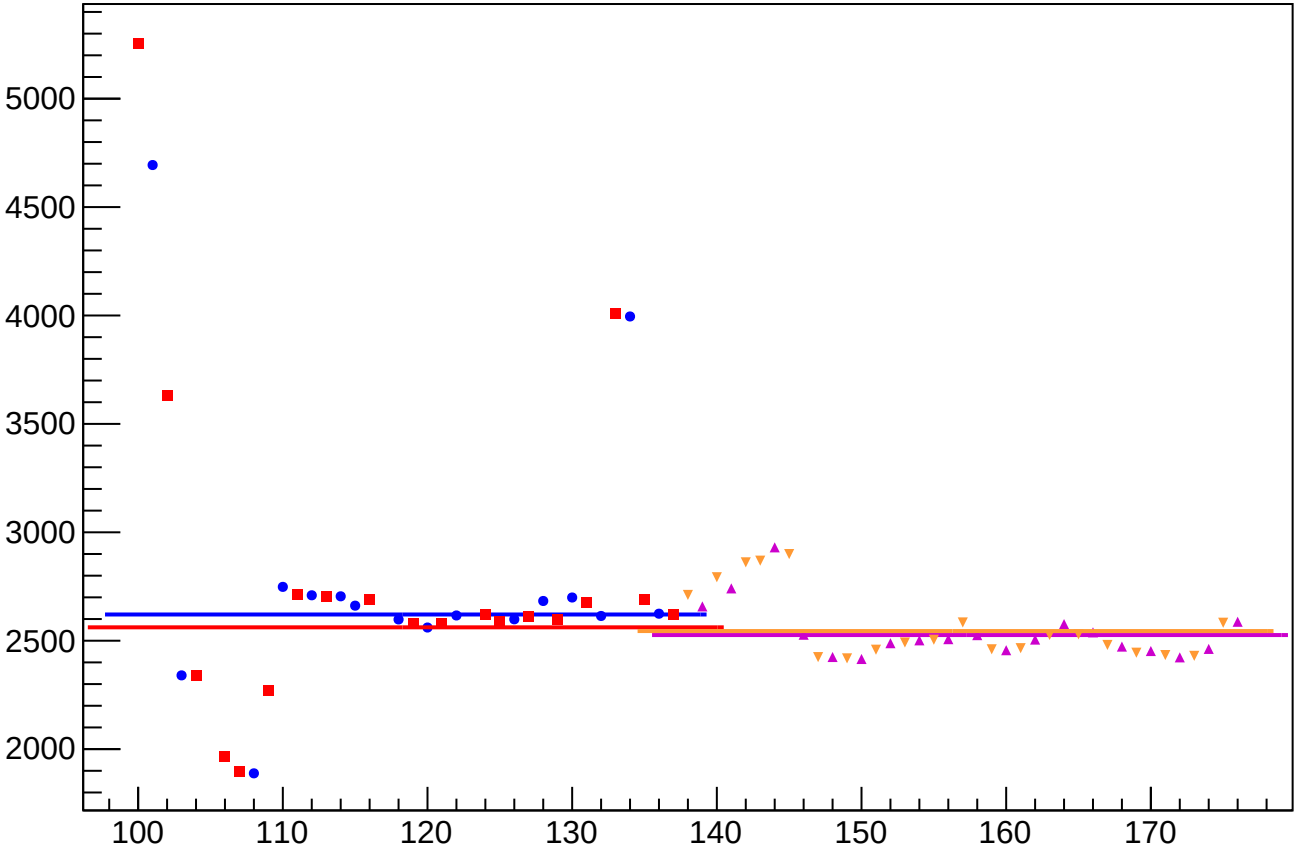
Left In: -3593.754+/-641.572 χ^2/NDF:10.0/18

+ sign 1784.156+/-537.412 χ^2/NDF: 40.9/35

All: -764.402+/-378.955 χ^2/NDF: 114.1/73

- sign -3284.919+/-534.447 χ^2/NDF: 28.4/37

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2544.543+/-0.452 χ^2/NDF:102223.7/19

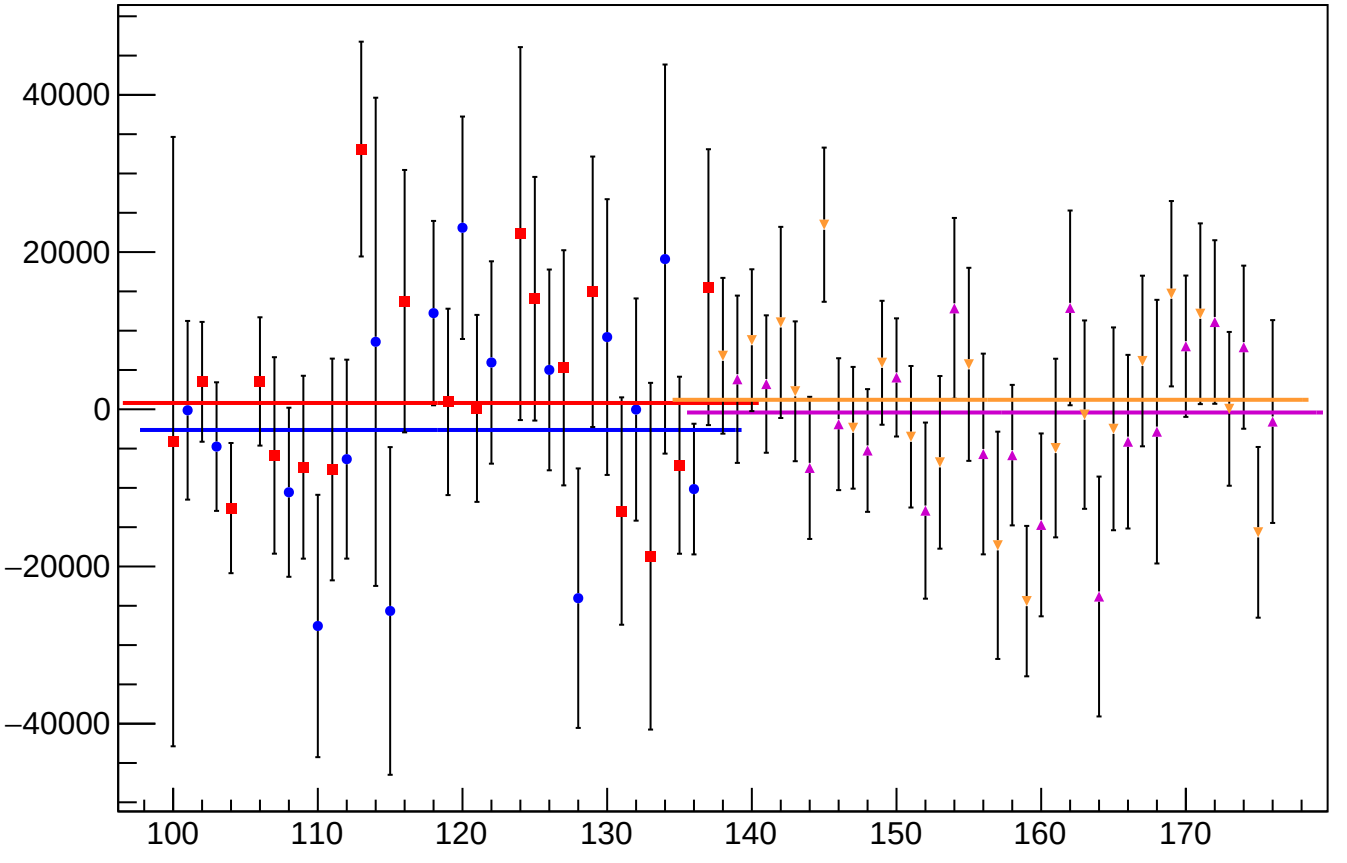
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2526.117+/-0.454 χ^2/NDF:65752.9/18

+ sign 2567.038+/-0.380 χ^2/NDF: 596538.1/35

All: 2551.944+/-0.268 χ^2/NDF: 1045573.5/73

- sign 2537.022+/-0.378 χ^2/NDF: 445898.2/37



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1207.096+/-2288.942 χ^2/NDF:22.4/19

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

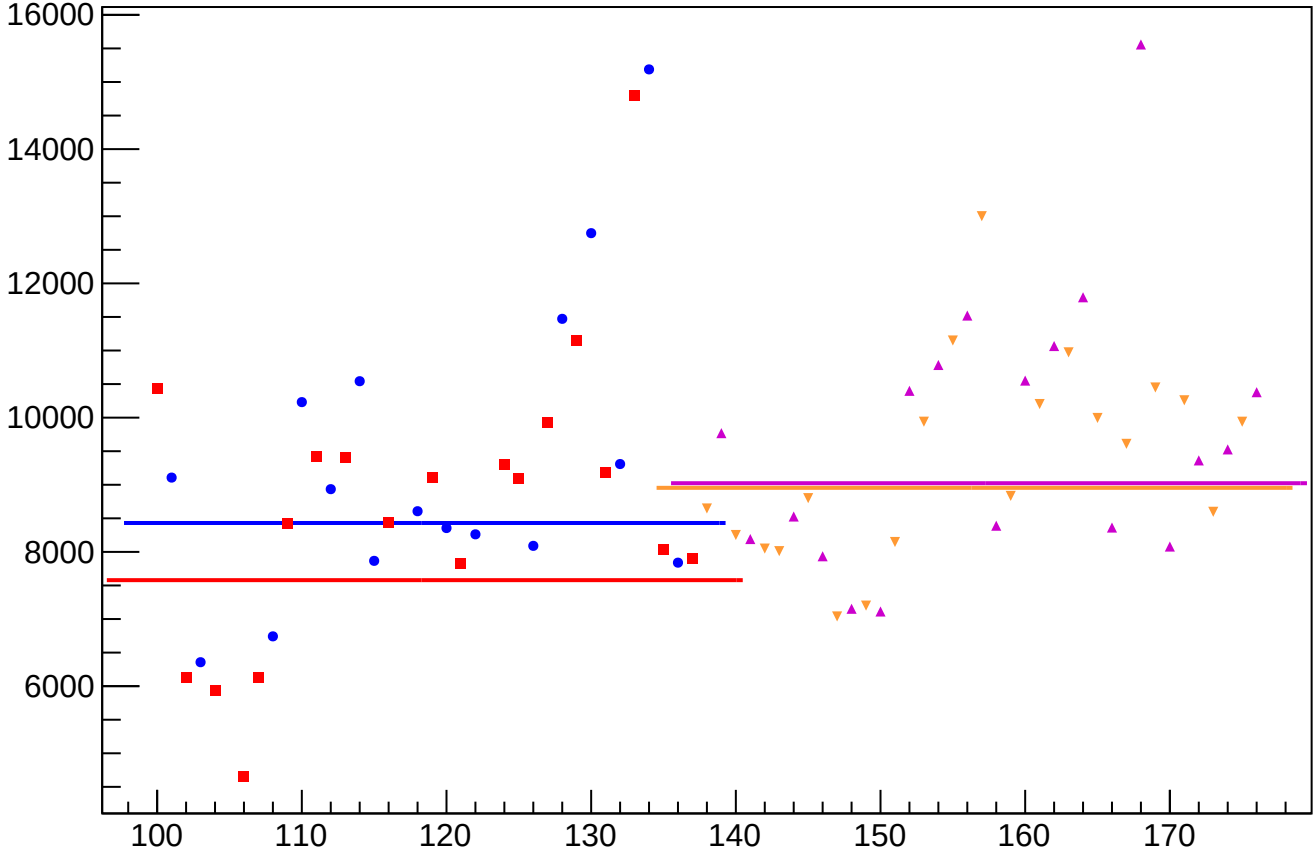
Left In: -409.562+/-2334.571 χ^2/NDF:12.7/18

\+ sign -86.122+/-1863.957 χ^2/NDF: 37.2/35

All: -4.489+/-1299.182 χ^2/NDF: 65.4/73

\- sign 72.638+/-1811.796 χ^2/NDF: 28.2/37

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8954.451+/-1.619 χ^2/NDF:700671.0/19

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

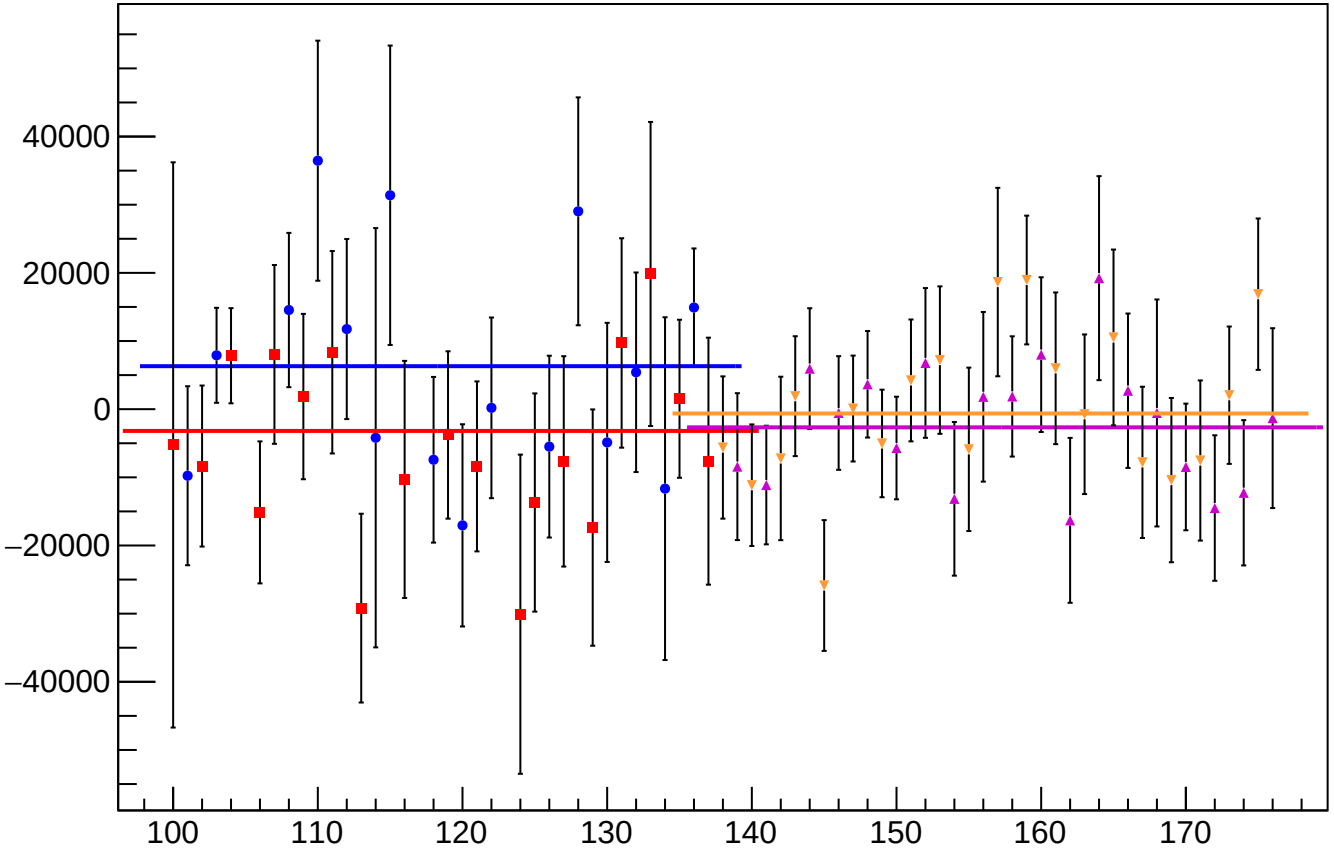
Left In: 9023.228+/-1.651 χ^2/NDF:991850.2/18

+ sign 8778.038+/-1.318 χ^2/NDF: 1316227.5/35

All: 8608.789+/-0.919 χ^2/NDF: 3618635.3/73

- sign 8448.881+/-1.281 χ^2/NDF: 2270338.8/37

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -632.412+/-2287.102 χ^2/NDF:21.6/19

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

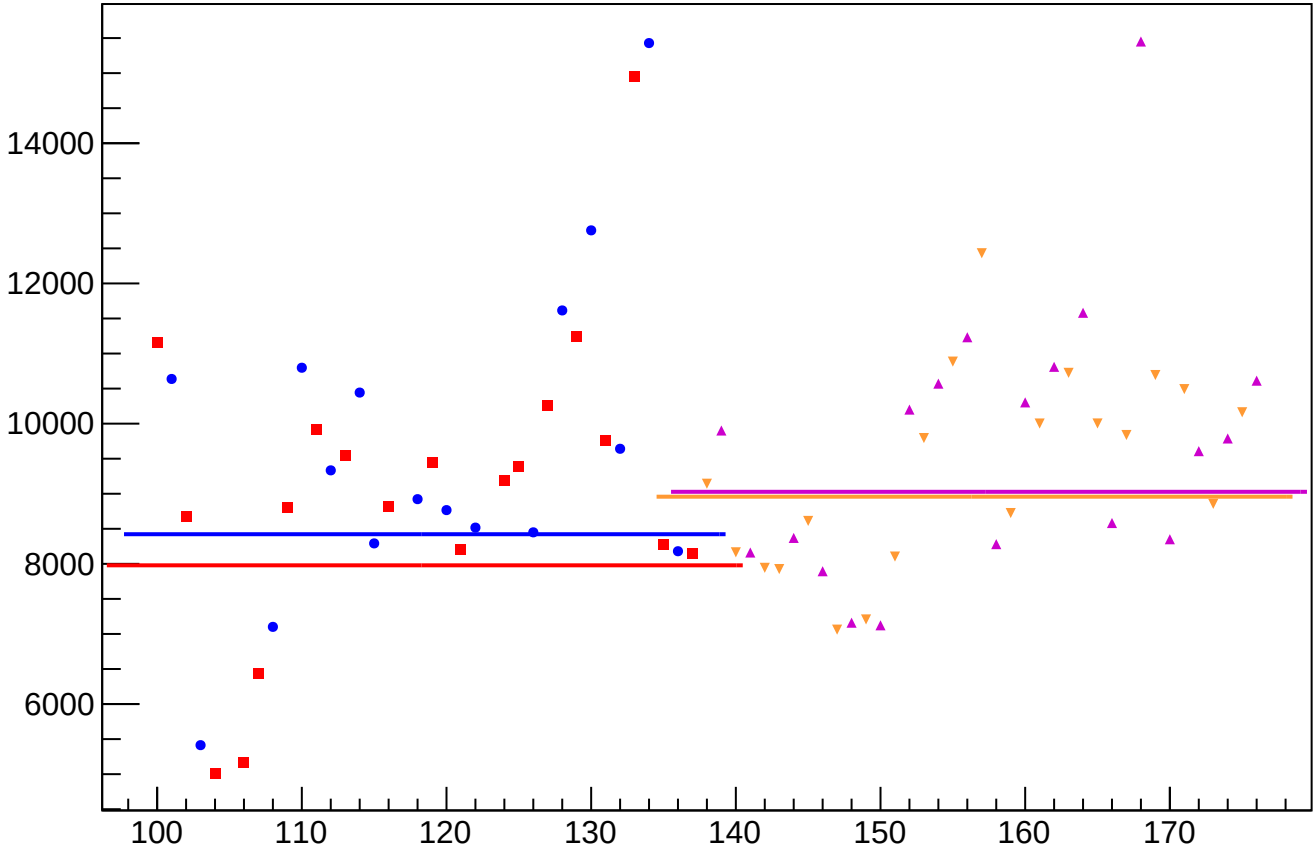
Left In: -2664.364+/-2332.689 χ^2/NDF:12.0/18

+ sign 1675.736+/-1868.420 χ^2/NDF: 39.7/35

All: -604.284+/-1317.133 χ^2/NDF: 68.6/73

- sign -2856.631+/-1857.048 χ^2/NDF: 25.9/37

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8957.929+/-1.617 χ^2/NDF:676042.2/19

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

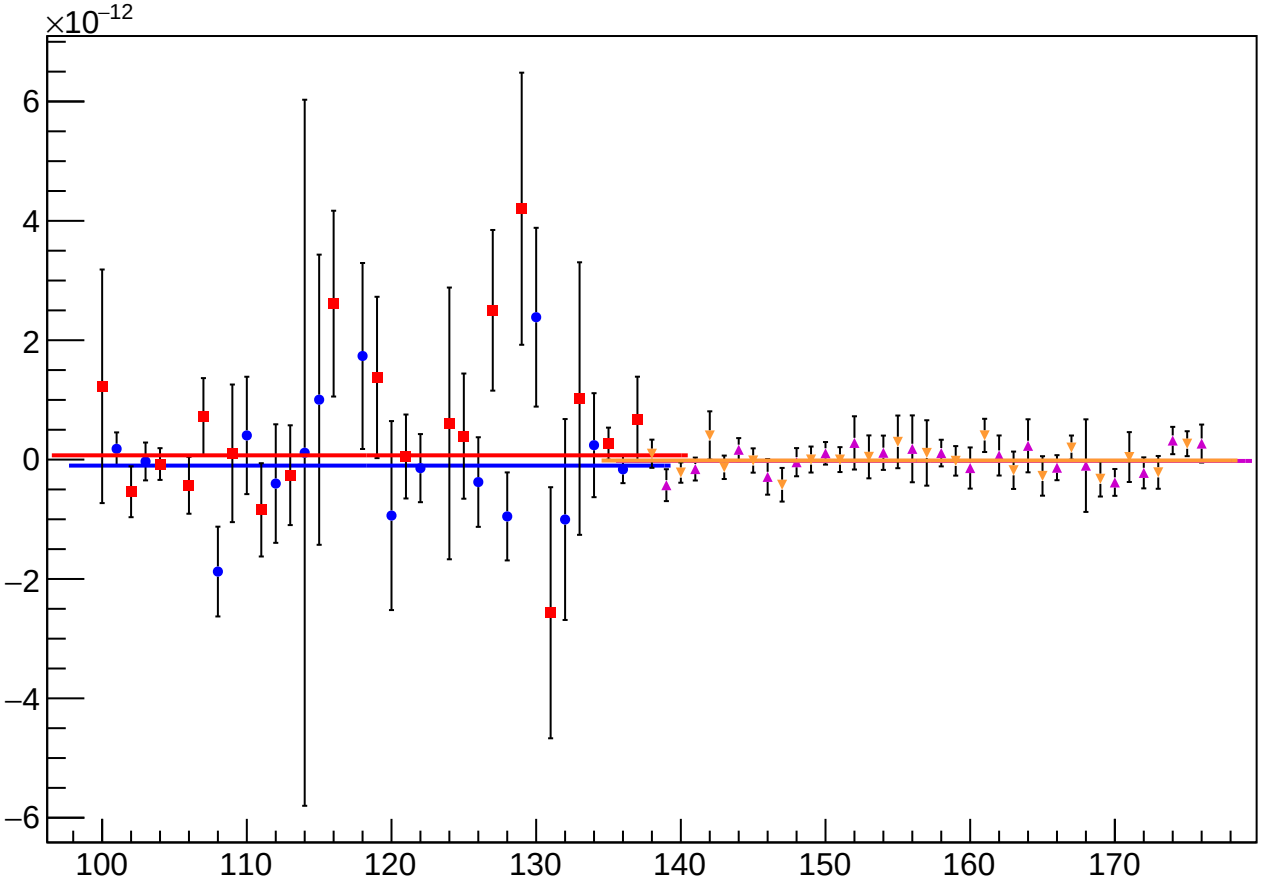
Left In: 9027.701+/-1.649 χ^2/NDF:943604.4/18

+ sign 8779.911+/-1.321 χ^2/NDF: 1594305.2/35

All: 8711.352+/-0.931 χ^2/NDF: 3707323.5/73

- sign 8643.626+/-1.313 χ^2/NDF: 2107665.4/37

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:13.5/19

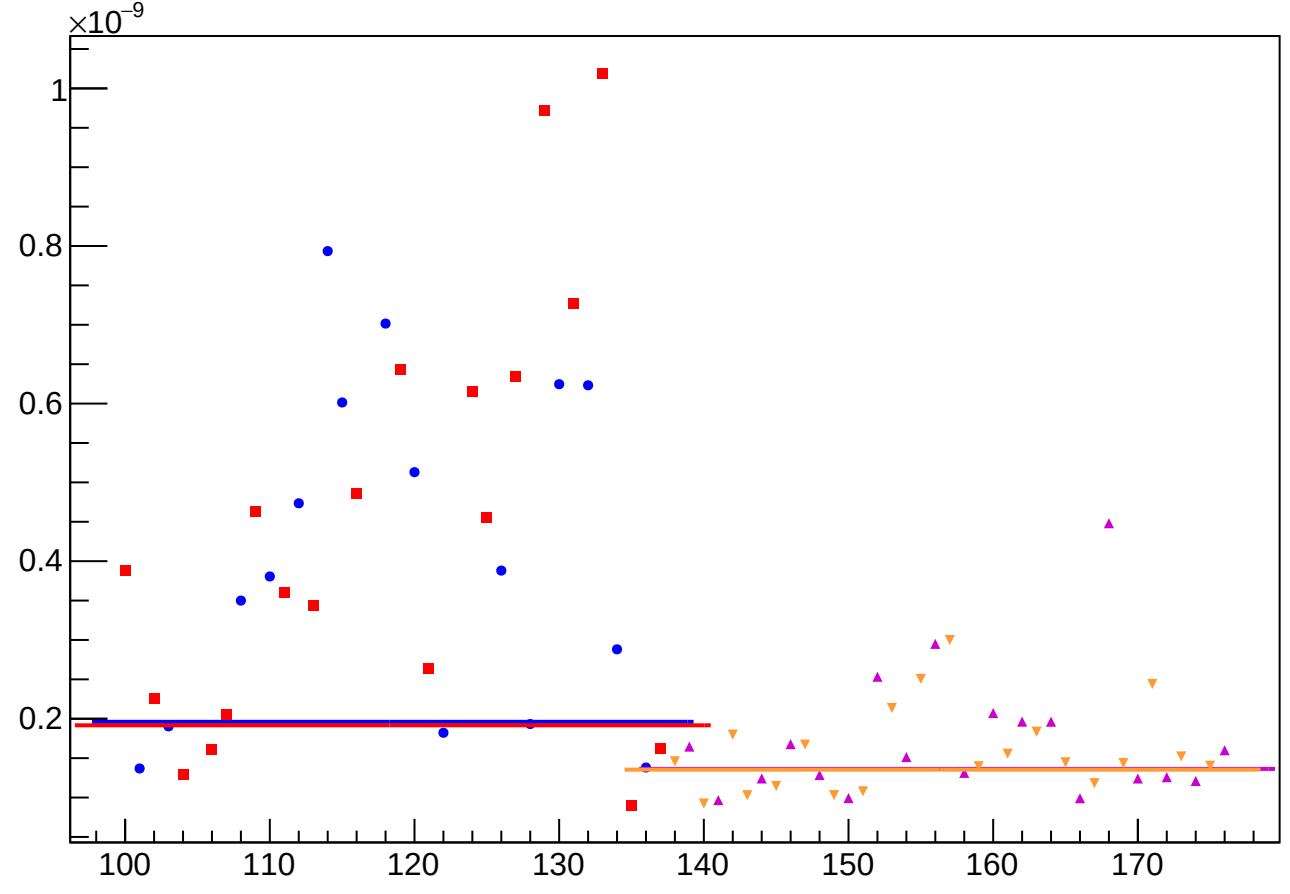
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 27.4/35

All: -0.000+/-0.000 χ^2/NDF: 60.7/73

- sign -0.000+/-0.000 χ^2/NDF: 33.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:967308.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

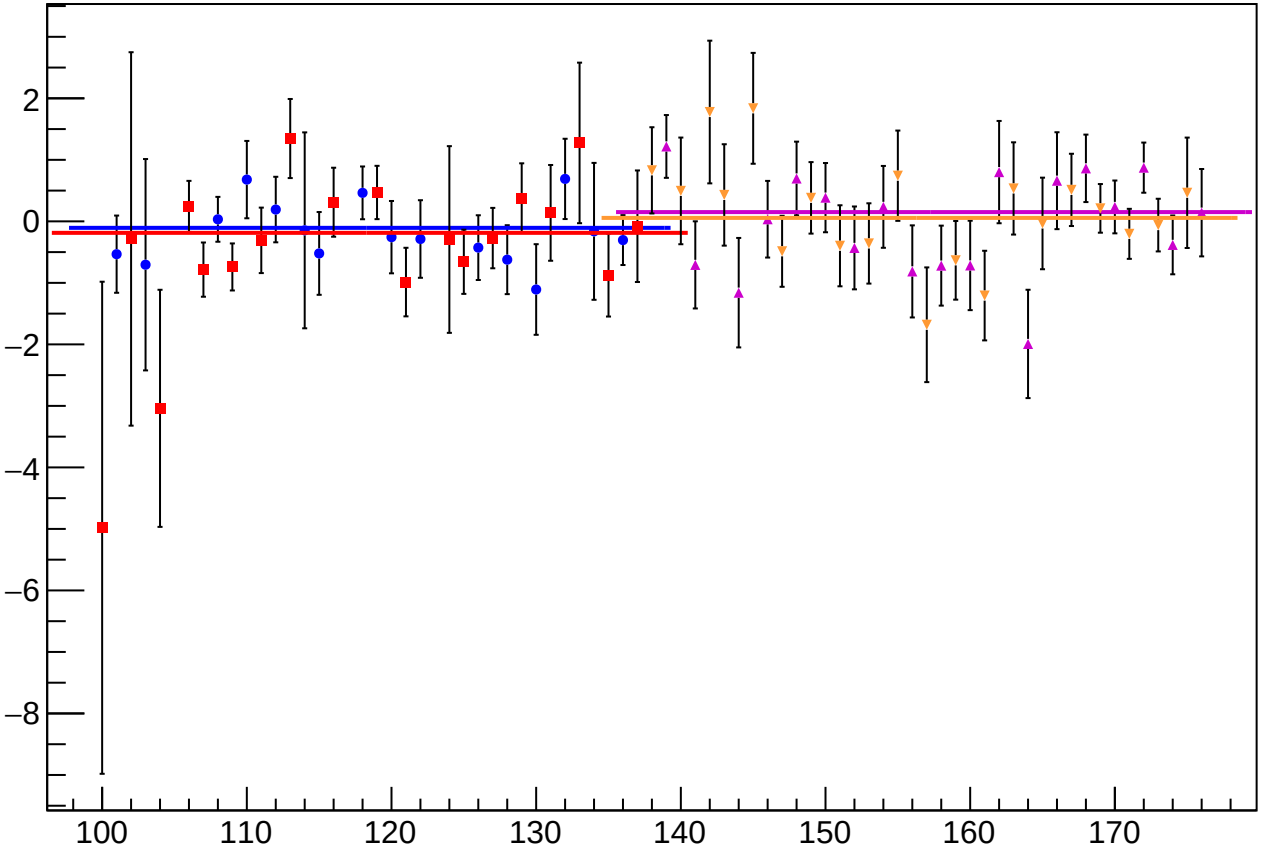
Left In: 0.000+/-0.000 χ^2/NDF:1121283.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 2655309.5/35

All: 0.000+/-0.000 χ^2/NDF: 6108624.2/73

- sign 0.000+/-0.000 χ^2/NDF: 3453255.4/37

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

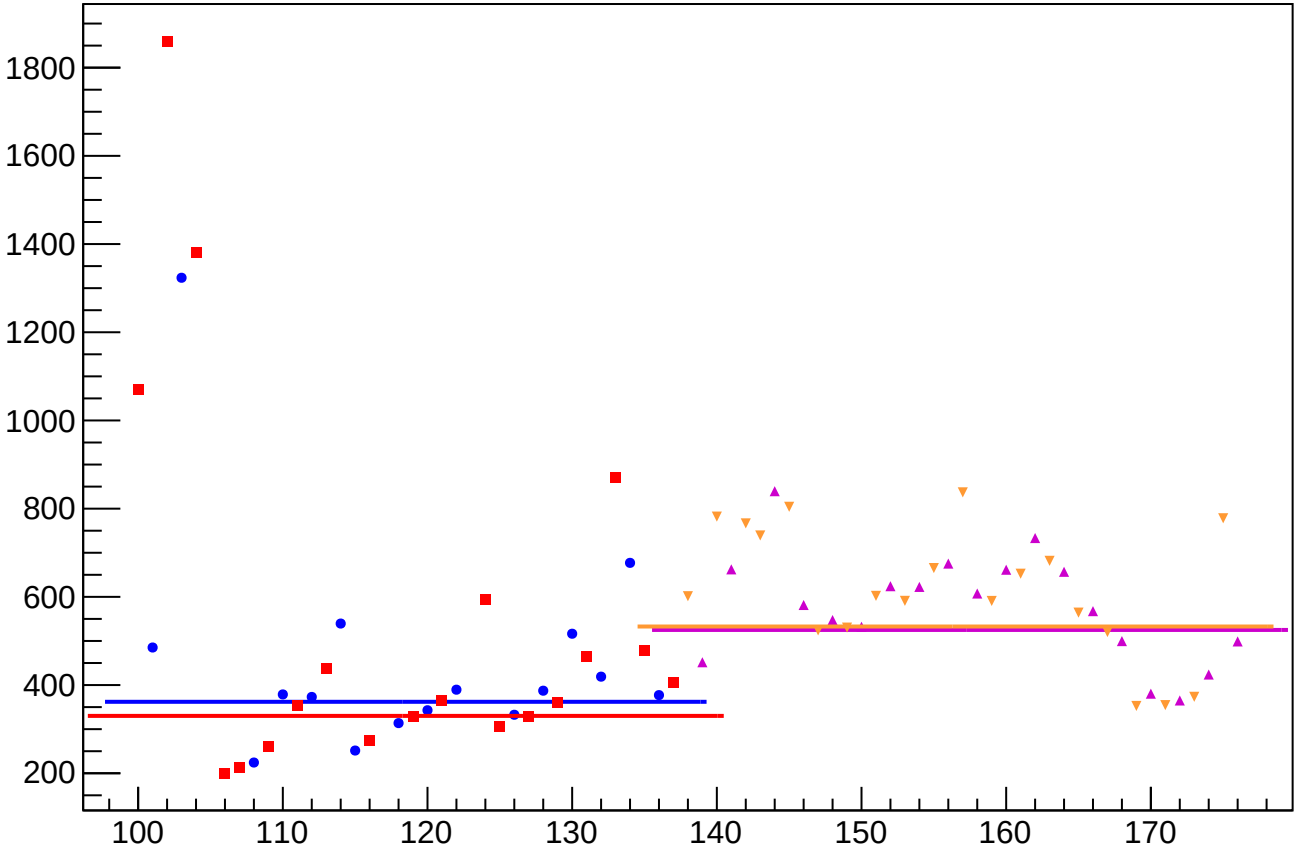
Left In: 0.150+/-0.139 χ^2/NDF:27.7/18

+ sign -0.022+/-0.101 χ^2/NDF: 30.6/35

All: -0.021+/-0.070 χ^2/NDF: 85.2/73

- sign -0.020+/-0.098 χ^2/NDF: 54.6/37

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 532.752+/-0.100 χ^2/NDF:2269742.5/19

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

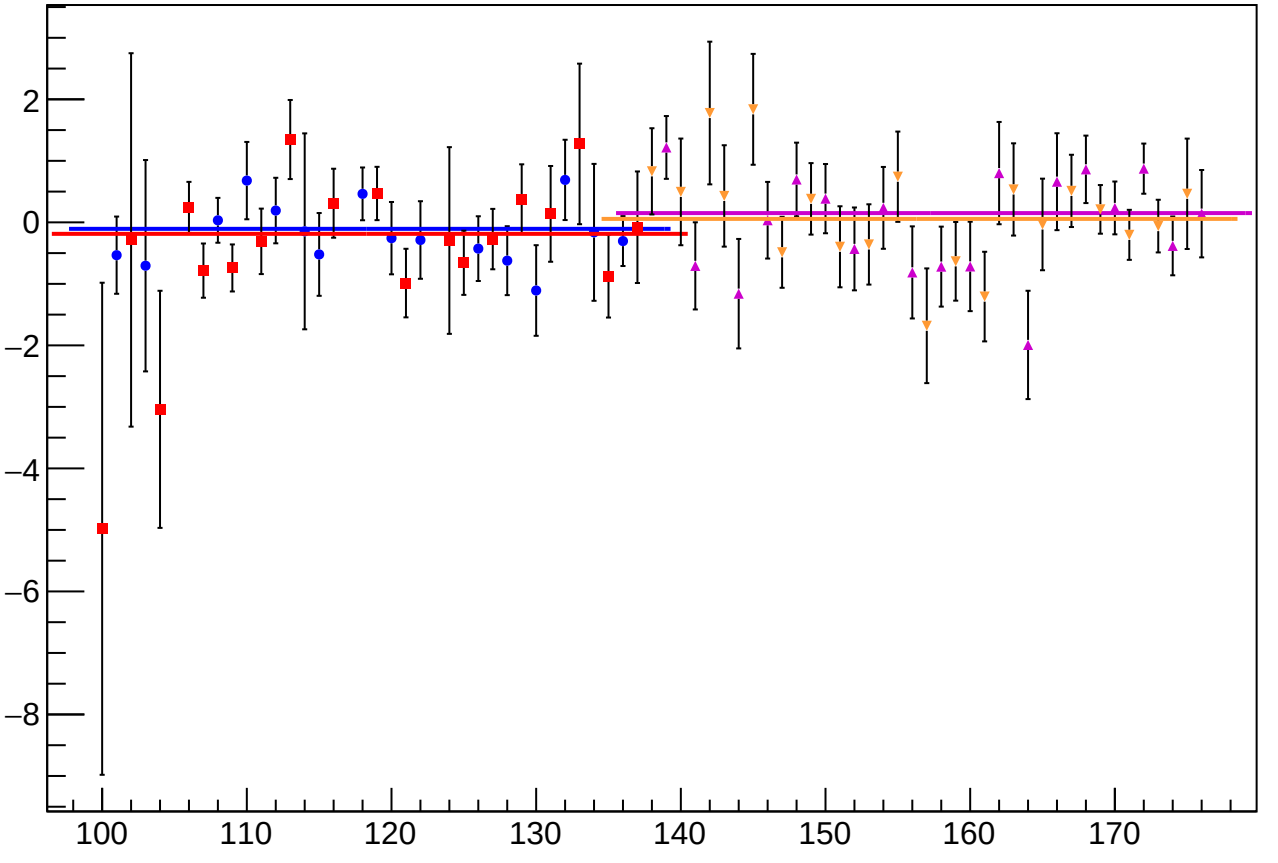
Left In: 524.978+/-0.098 χ^2/NDF:1463059.8/18

+ sign 449.674+/-0.071 χ^2/NDF: 5076432.9/35

All: 437.593+/-0.050 χ^2/NDF: 10826741.7/73

- sign 426.250+/-0.069 χ^2/NDF: 5694753.1/37

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

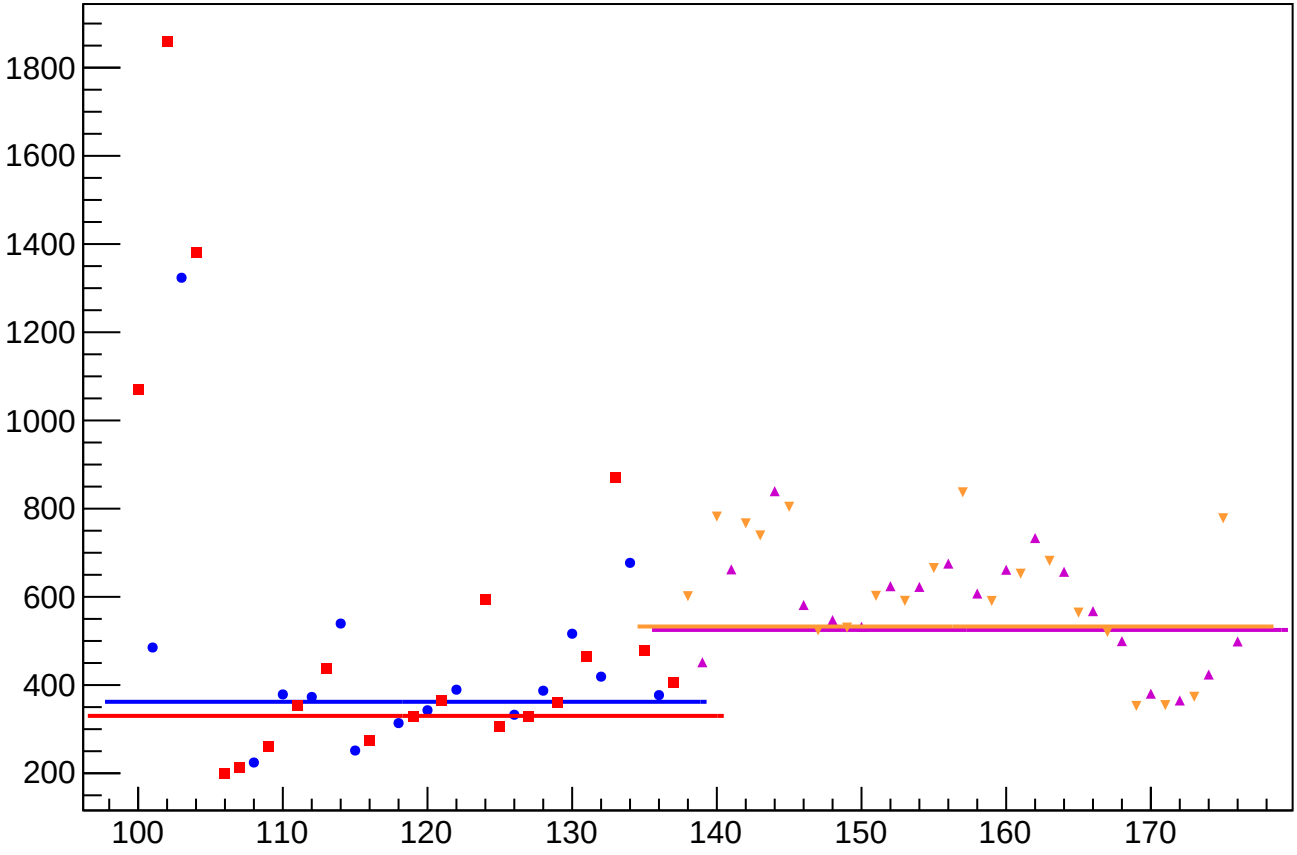
Left In: 0.150+/-0.139 χ^2/NDF:27.7/18

+ sign -0.022+/-0.101 χ^2/NDF: 30.6/35

All: -0.021+/-0.070 χ^2/NDF: 85.2/73

- sign -0.020+/-0.098 χ^2/NDF: 54.6/37

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 532.752+/-0.100 χ^2/NDF:2269742.5/19

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

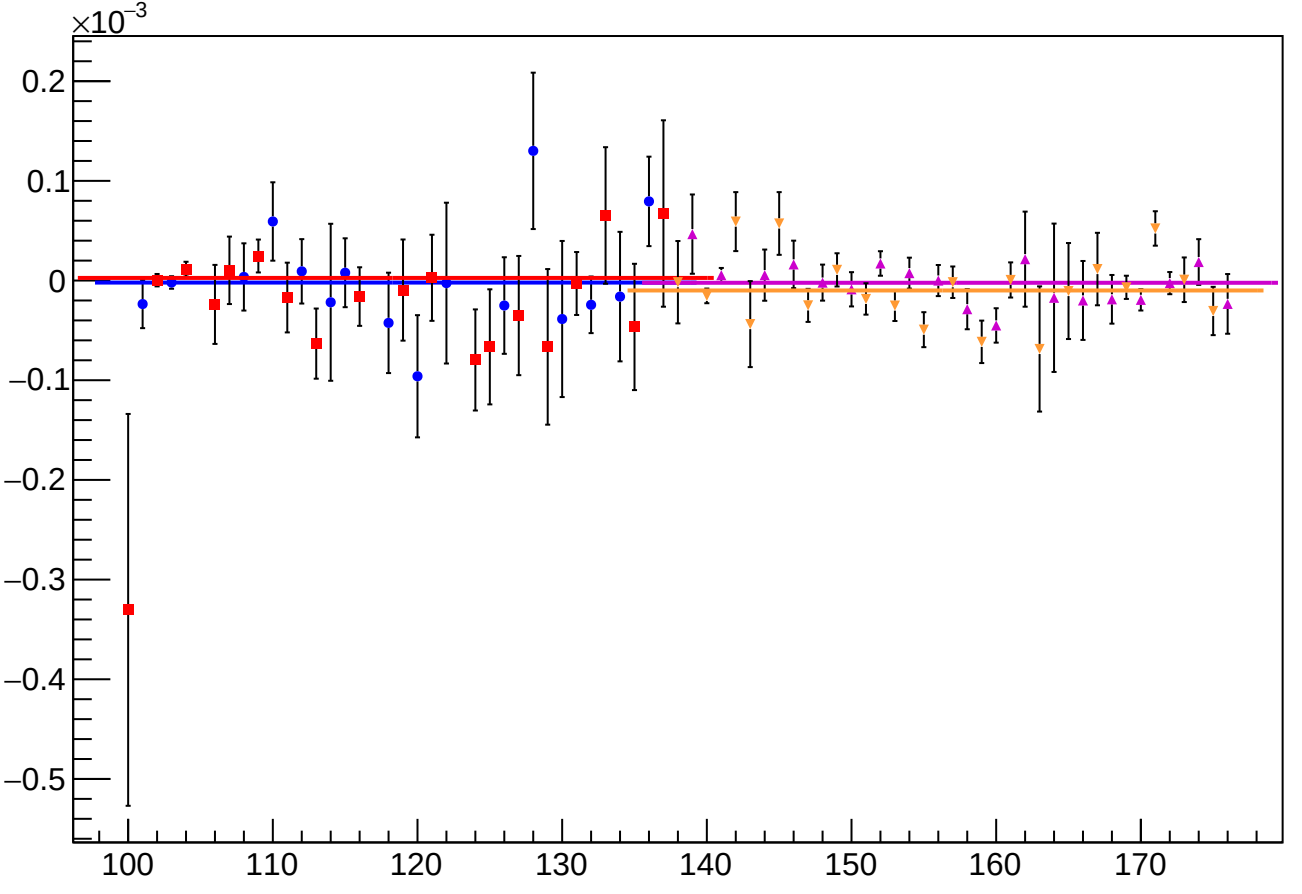
Left In: 524.978+/-0.098 χ^2/NDF:1463059.8/18

+ sign 449.674+/-0.071 χ^2/NDF: 5076432.9/35

All: 437.593+/-0.050 χ^2/NDF: 10826741.7/73

- sign 426.250+/-0.069 χ^2/NDF: 5694753.1/37

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:41.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

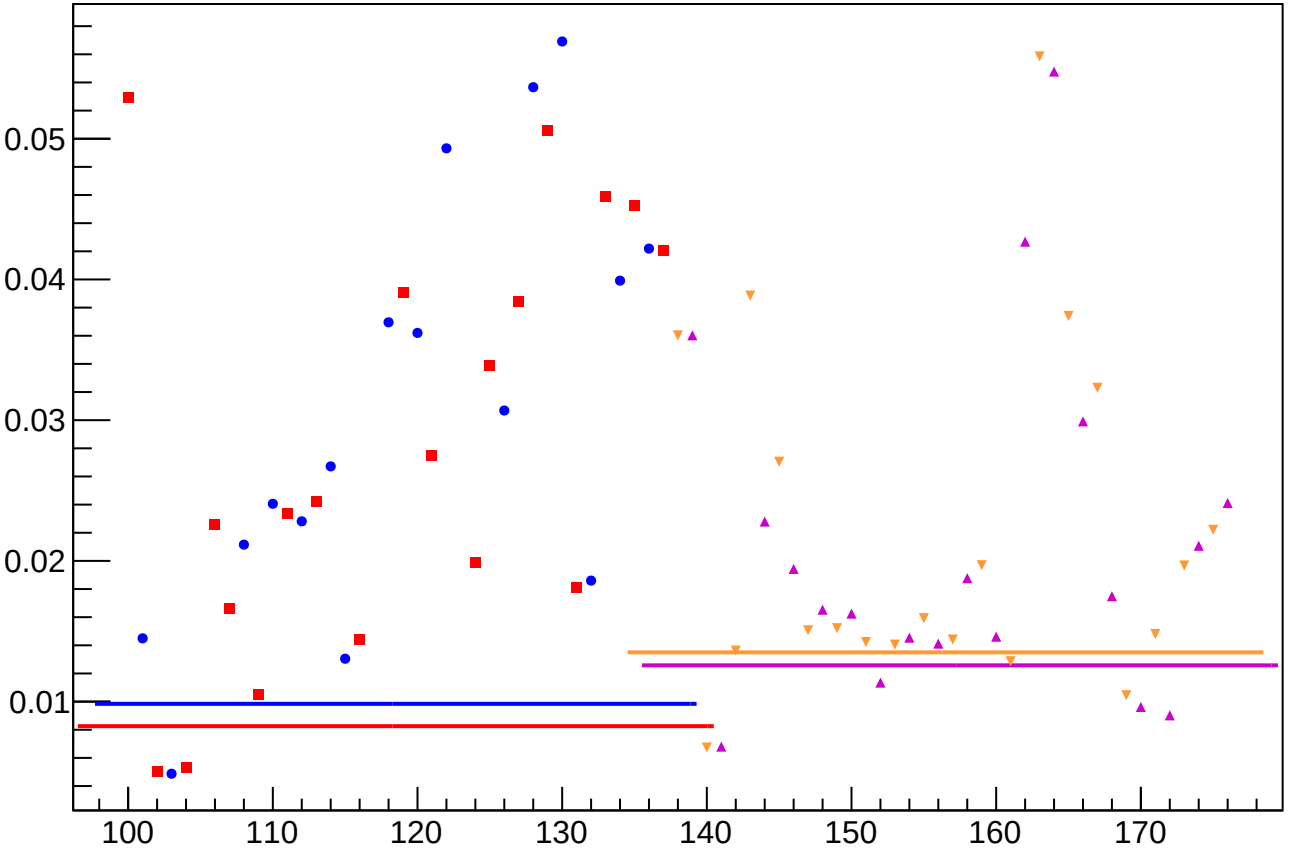
Left In: -0.000+/-0.000 χ^2/NDF:19.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 56.7/35

All: -0.000+/-0.000 χ^2/NDF: 97.6/73

- sign -0.000+/-0.000 χ^2/NDF: 38.0/37

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:6107274.9/19

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

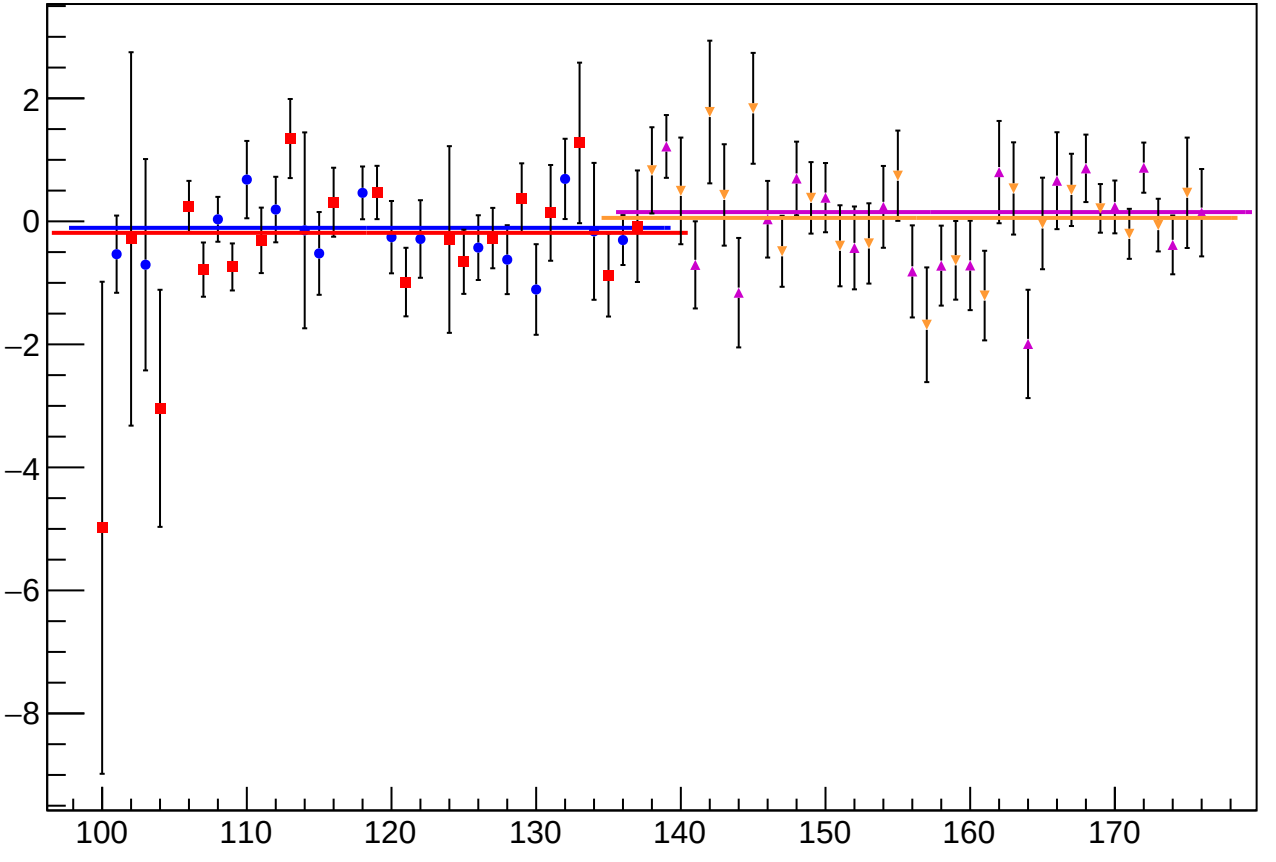
Left In: 0.013+/-0.000 χ^2/NDF:5759093.2/18

+ sign 0.012+/-0.000 χ^2/NDF: 13762207.6/35

All: 0.011+/-0.000 χ^2/NDF: 27715963.1/73

- sign 0.011+/-0.000 χ^2/NDF: 13683258.7/37

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

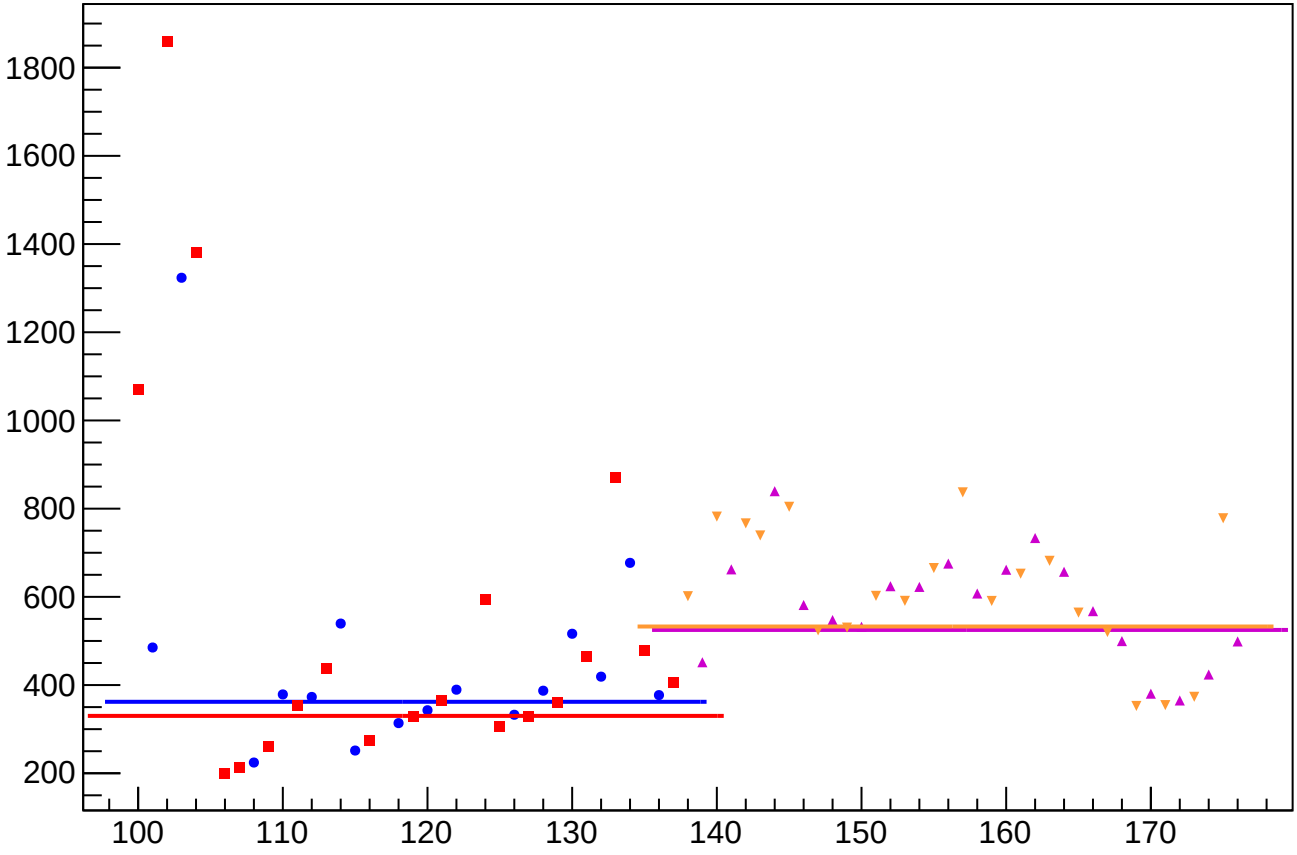
Left In: 0.150+/-0.139 χ^2/NDF:27.7/18

+ sign -0.022+/-0.101 χ^2/NDF: 30.6/35

All: -0.021+/-0.070 χ^2/NDF: 85.2/73

- sign -0.020+/-0.098 χ^2/NDF: 54.6/37

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 532.756+/-0.100 χ^2/NDF:2269851.4/19

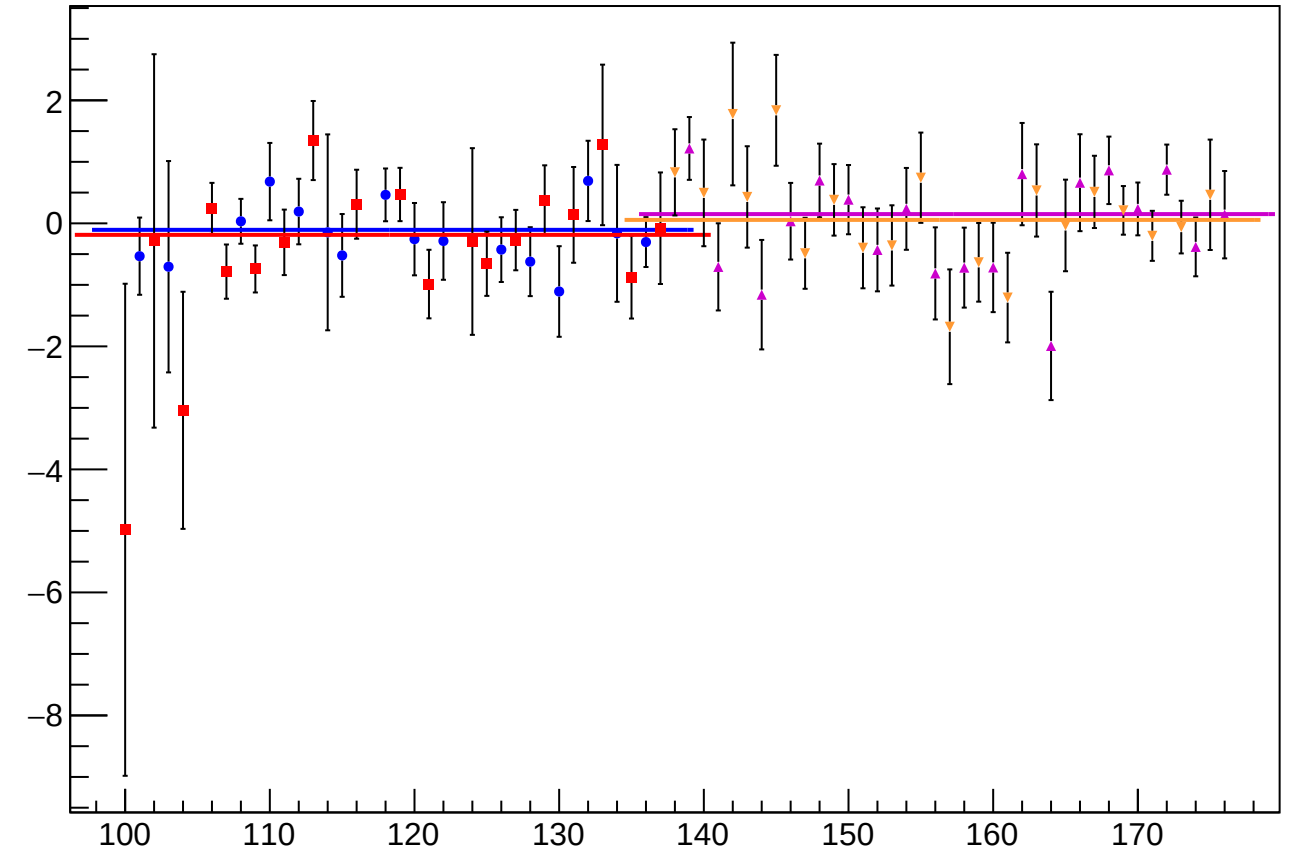
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 524.983+/-0.098 χ^2/NDF:1463112.1/18

+ sign 449.673+/-0.071 χ^2/NDF: 5076651.9/35

All: 437.593+/-0.050 χ^2/NDF: 10827116.1/73

- sign 426.250+/-0.069 χ^2/NDF: 5694913.9/37



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

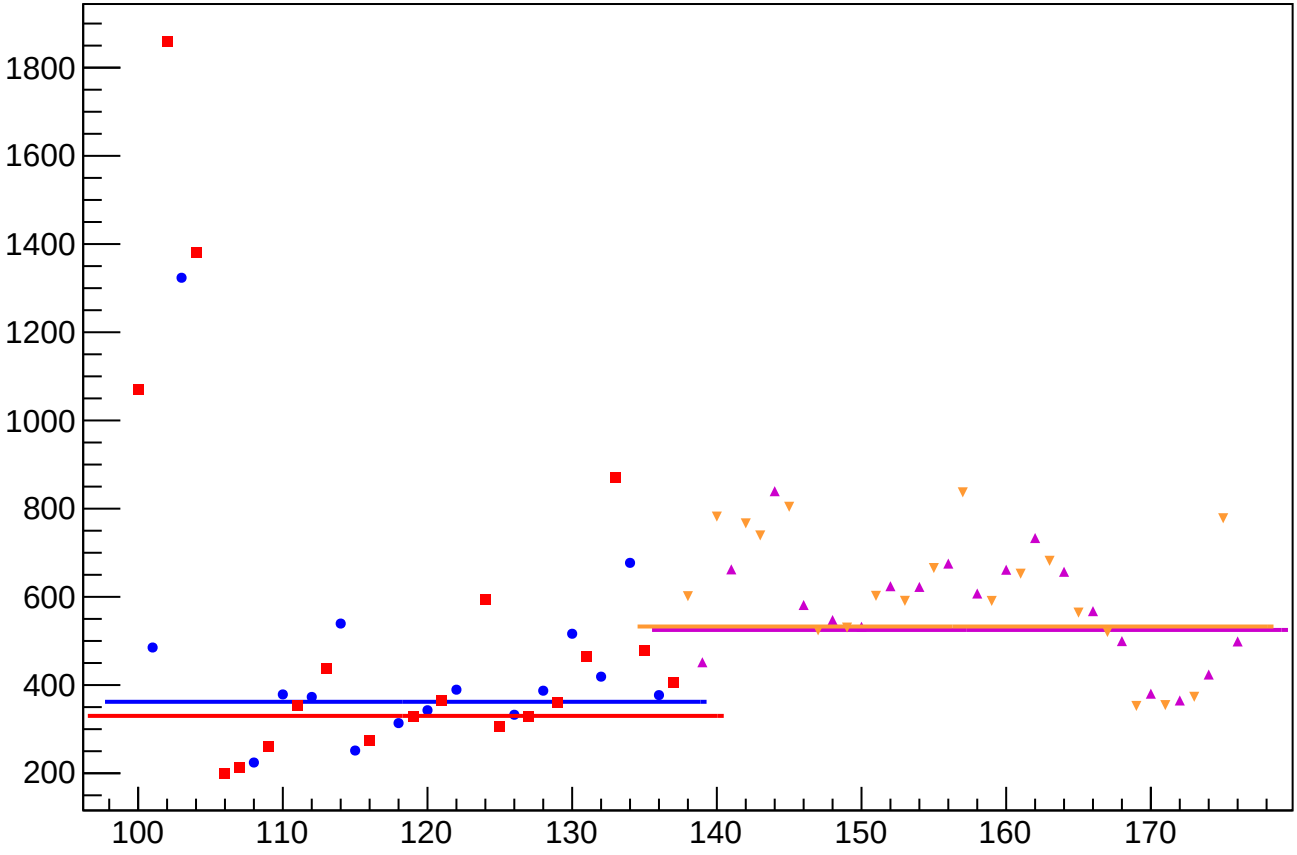
Left In: 0.150+/-0.139 χ^2/NDF:27.7/18

+ sign -0.022+/-0.101 χ^2/NDF: 30.6/35

All: -0.021+/-0.070 χ^2/NDF: 85.2/73

- sign -0.020+/-0.098 χ^2/NDF: 54.6/37

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: 532.756+/-0.100 χ^2/NDF:2269851.4/19

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

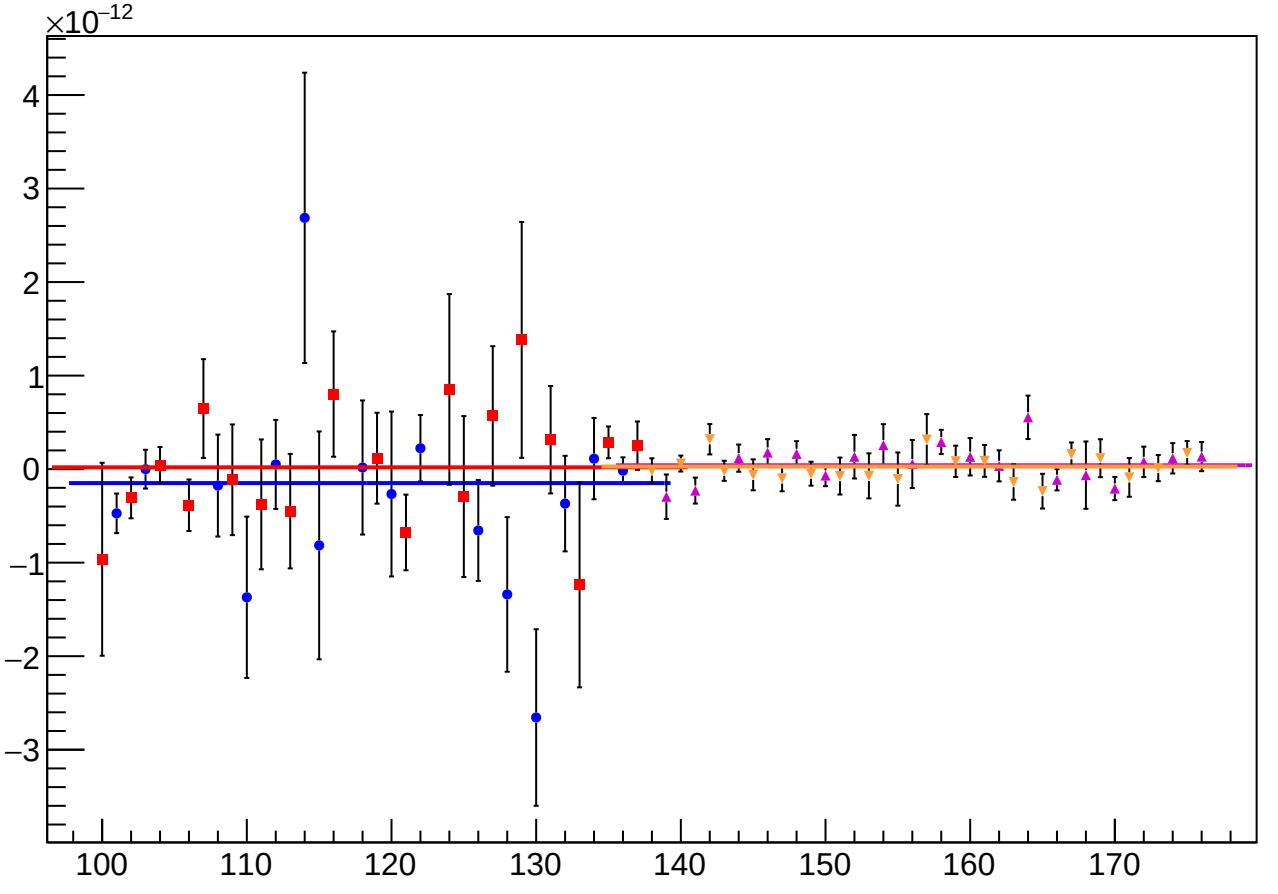
Left In: 524.983+/-0.098 χ^2/NDF:1463112.1/18

+ sign 449.673+/-0.071 χ^2/NDF: 5076651.9/35

All: 437.593+/-0.050 χ^2/NDF: 10827116.1/73

- sign 426.250+/-0.069 χ^2/NDF: 5694913.9/37

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:12.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

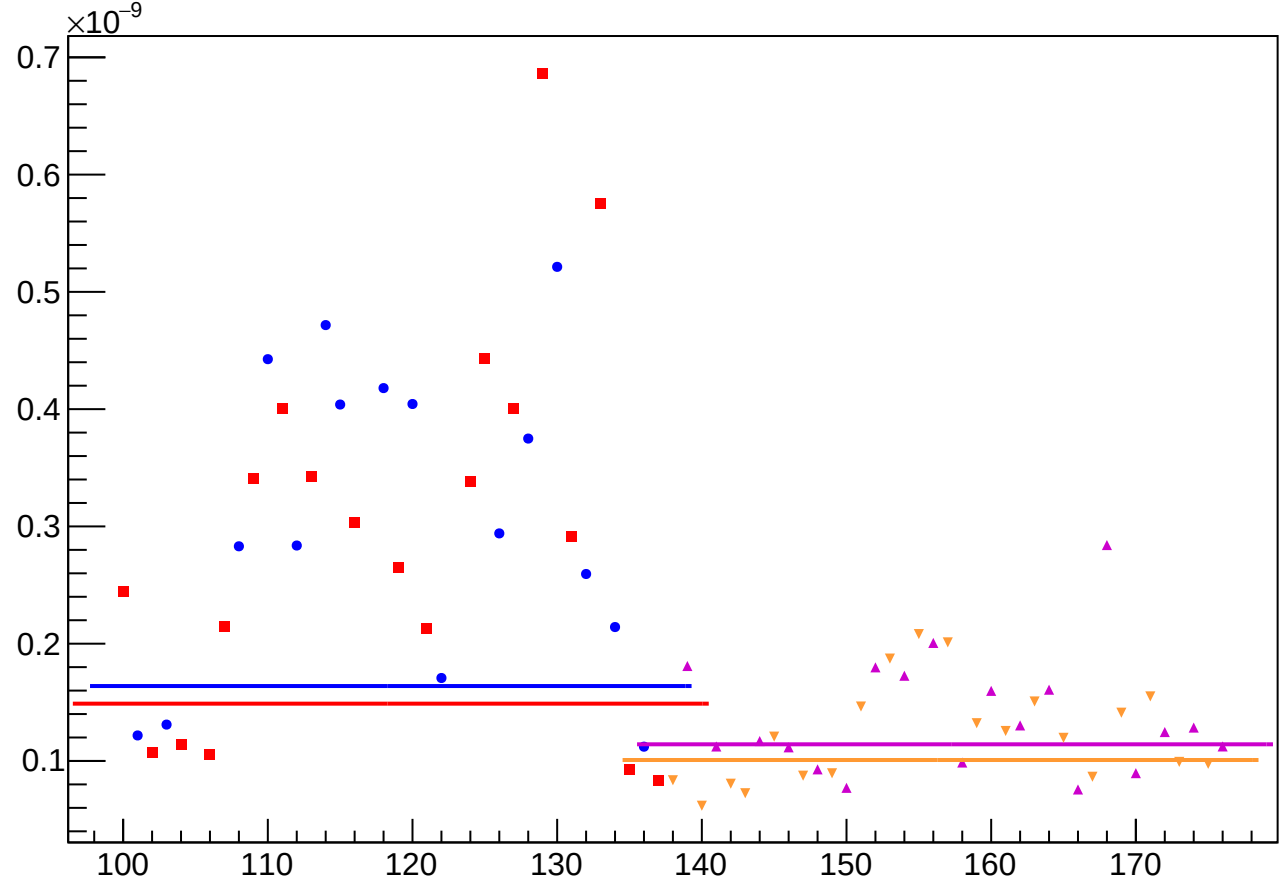
Left In: 0.000+/-0.000 χ^2/NDF:25.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 37.8/35

All: 0.000+/-0.000 χ^2/NDF: 82.9/73

- sign 0.000+/-0.000 χ^2/NDF: 44.7/37

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:2126872.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

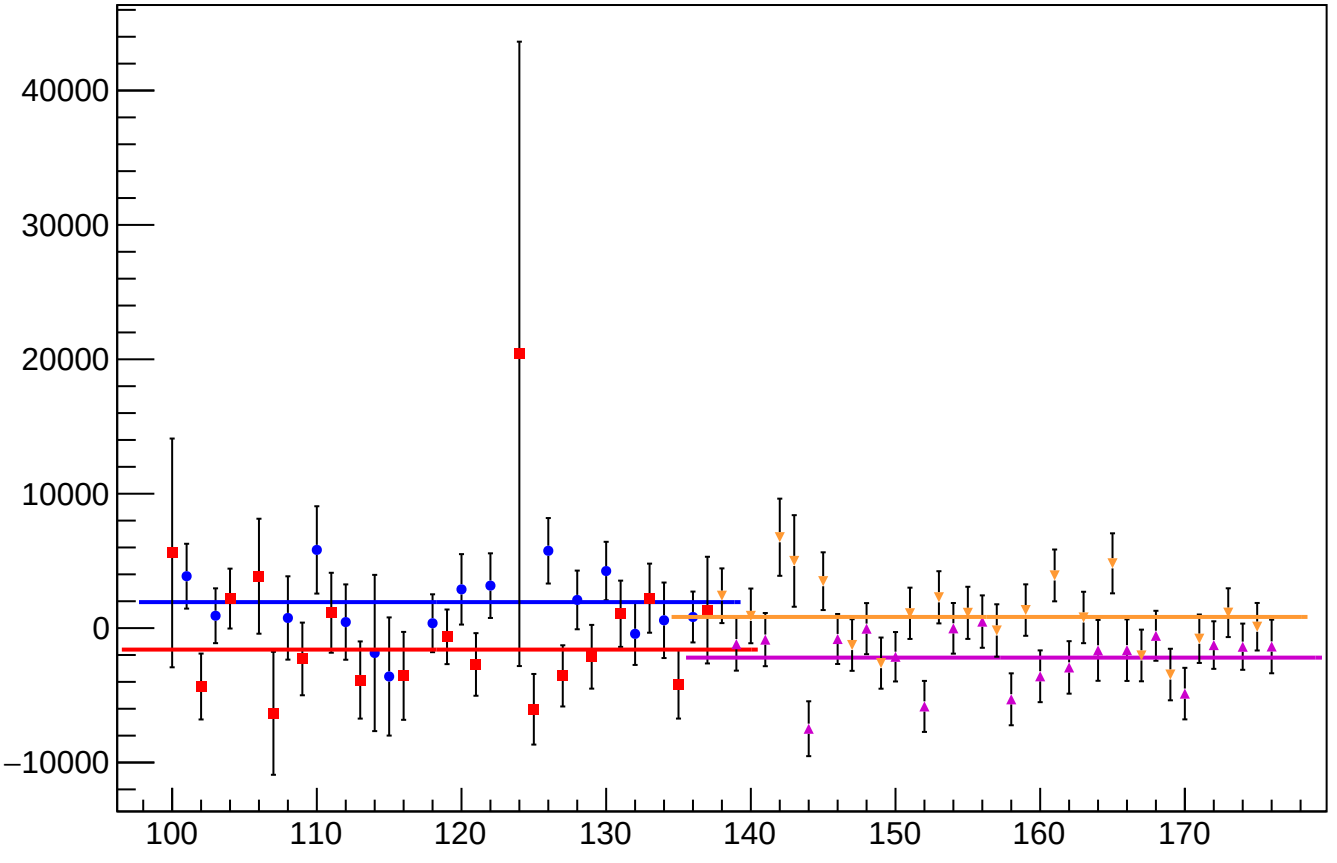
Left In: 0.000+/-0.000 χ^2/NDF:1954089.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 5048410.8/35

All: 0.000+/-0.000 χ^2/NDF: 10250456.6/73

- sign 0.000+/-0.000 χ^2/NDF: 5089935.1/37

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 831.207+/-446.659 χ^2/NDF:27.3/19

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

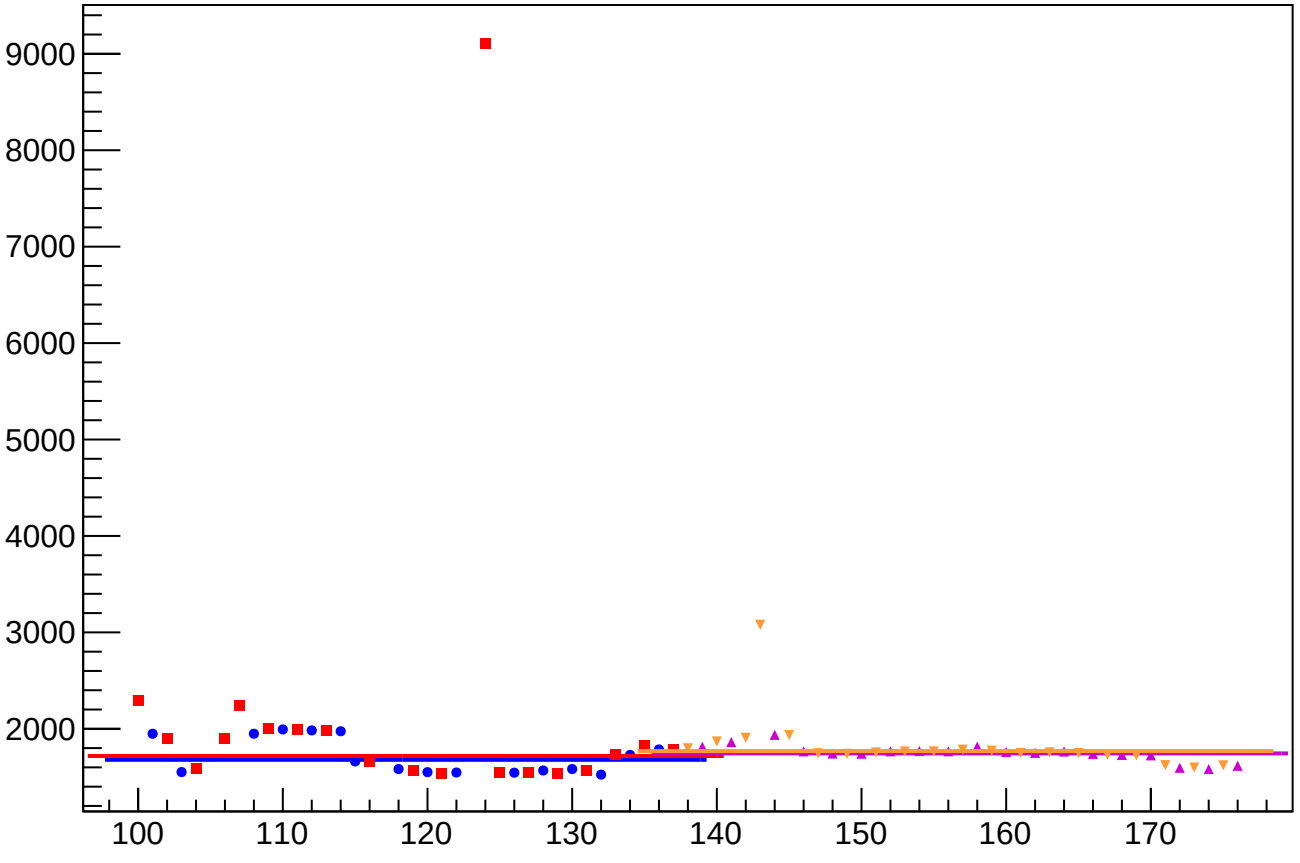
Left In: -2196.010+/-443.181 χ^2/NDF:22.9/18

+ sign 1202.019+/-363.960 χ^2/NDF: 40.2/35

All: -397.021+/-257.640 χ^2/NDF: 121.8/73

- sign -2003.081+/-364.758 χ^2/NDF: 42.9/37

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1769.235+/-0.316 χ^2/NDF:365485.8/19

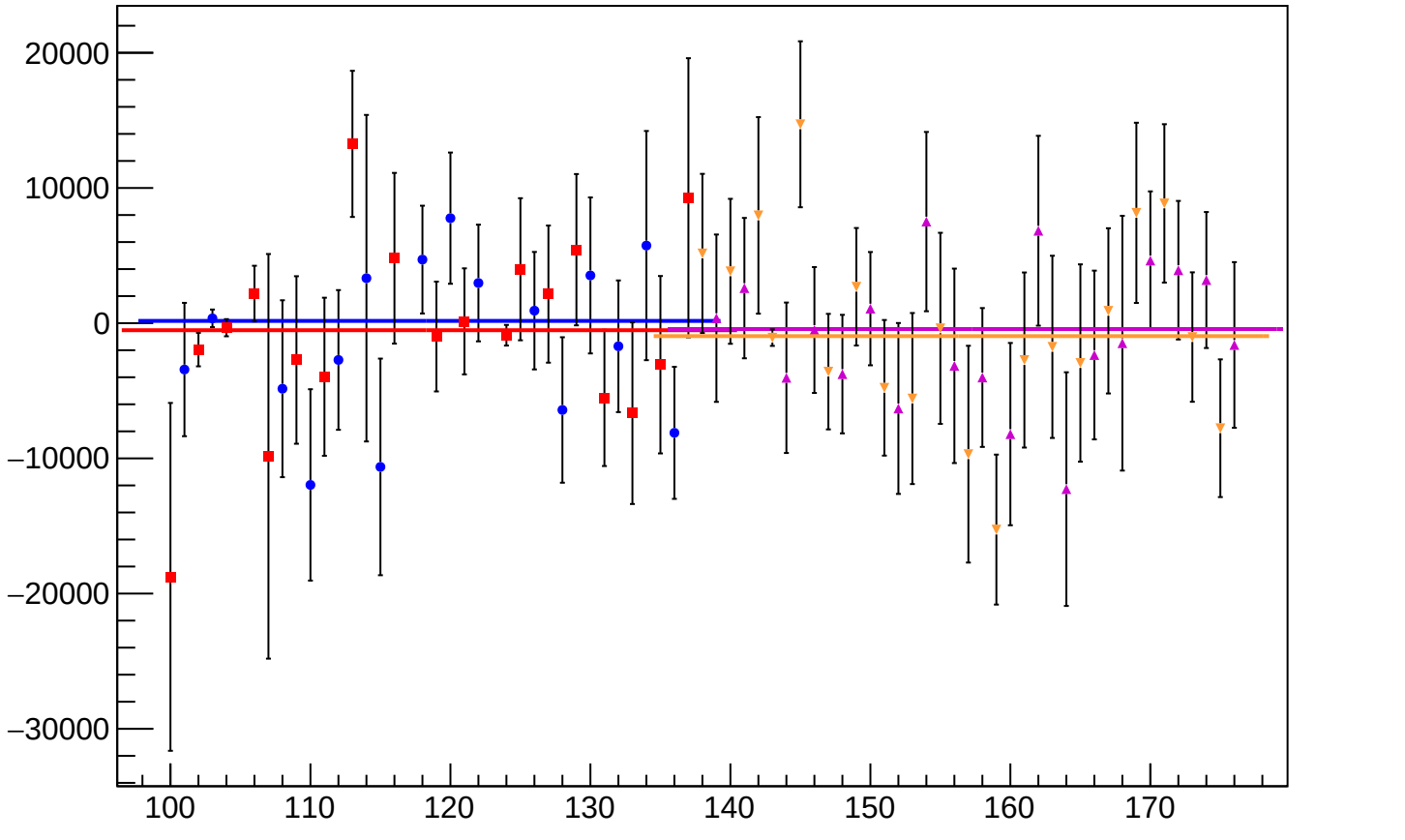
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1744.903+/-0.313 χ^2/NDF:71979.9/18

+ sign 1738.761+/-0.257 χ^2/NDF: 534674.9/35

All: 1737.516+/-0.182 χ^2/NDF: 992218.6/73

- sign 1736.270+/-0.258 χ^2/NDF: 457496.9/37



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -957.999+/-553.933 χ^2/NDF:26.7/19

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

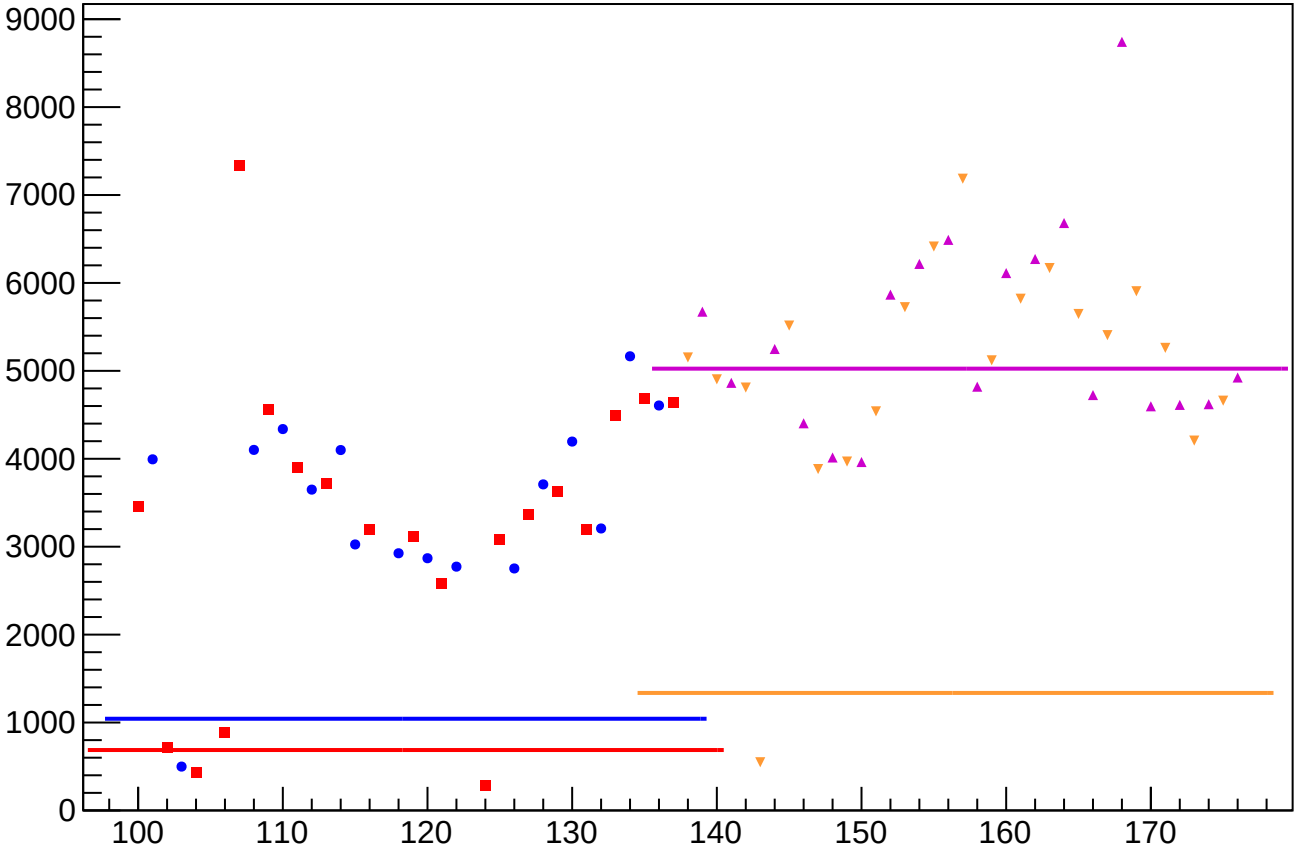
Left In: -435.208+/-1300.980 χ^2/NDF:11.1/18

+ sign -431.859+/-404.353 χ^2/NDF: 44.5/35

All: -472.388+/-285.726 χ^2/NDF: 74.1/73

- sign -512.807+/-403.803 χ^2/NDF: 29.6/37

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1336.697+/-0.392 χ^2/NDF:19678104.4/19

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

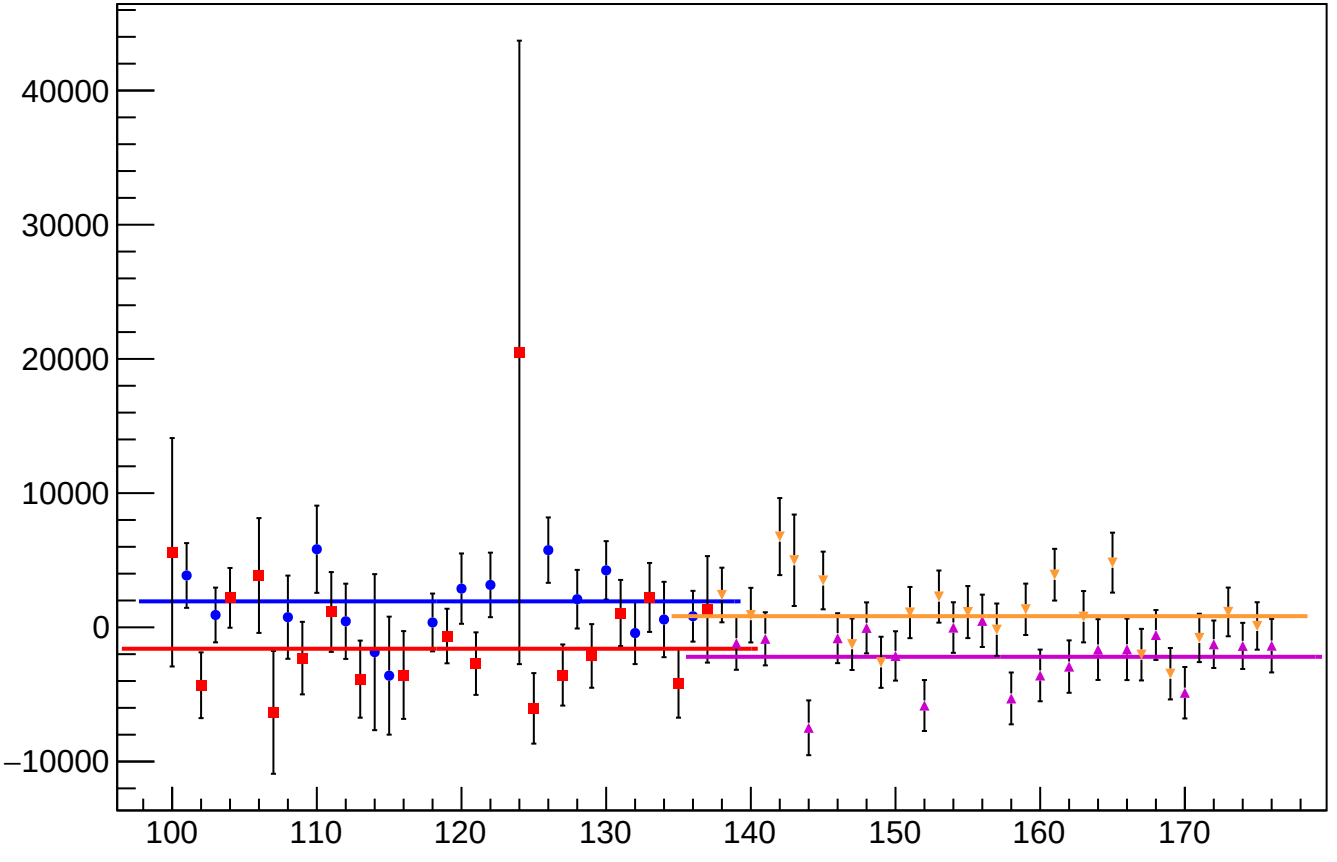
Left In: 5025.078+/-0.920 χ^2/NDF:1028648.6/18

+ sign 1199.552+/-0.286 χ^2/NDF: 28052438.8/35

All: 1152.322+/-0.202 χ^2/NDF: 57859124.1/7

- sign 1105.220+/-0.286 χ^2/NDF: 29752186.5/37

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 831.199+/-446.659 χ^2/NDF:27.3/19

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

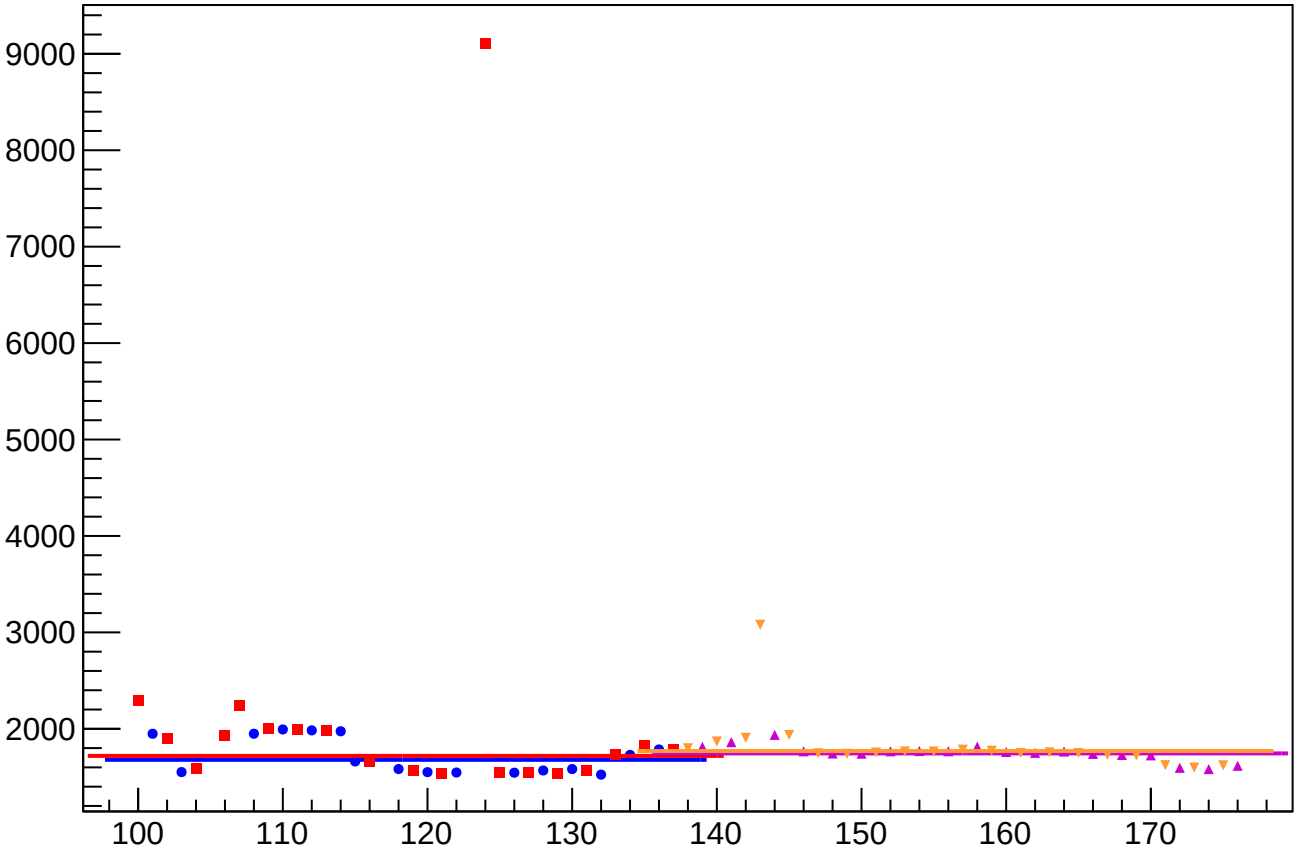
Left In: -2196.073+/-443.181 χ^2/NDF:22.9/18

+ sign 1202.053+/-363.960 χ^2/NDF: 40.2/35

All: -396.630+/-257.641 χ^2/NDF: 121.8/73

- sign -2002.339+/-364.759 χ^2/NDF: 42.9/37

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1769.235+/-0.316 χ^2/NDF:365485.7/19

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

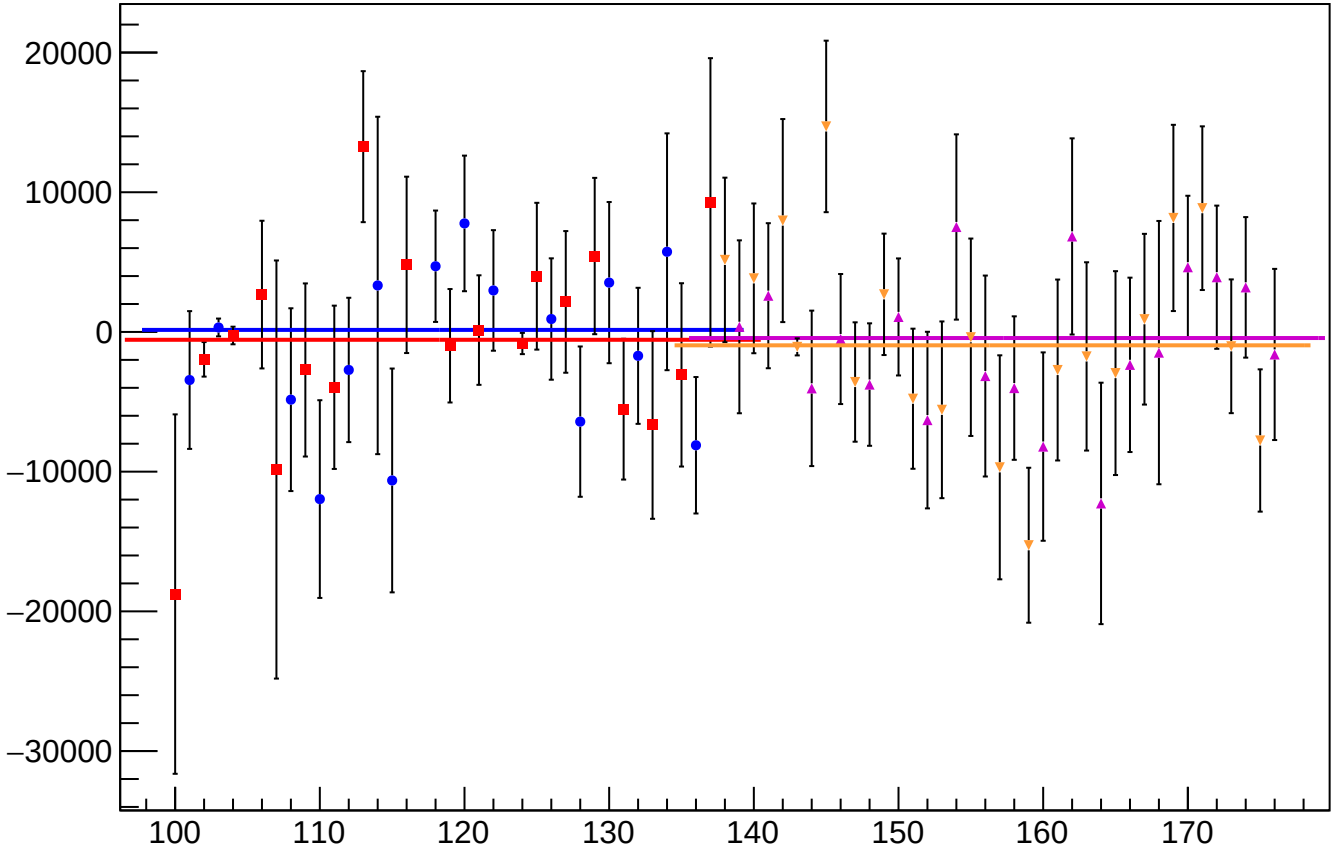
Left In: 1744.903+/-0.313 χ^2/NDF:71979.9/18

+ sign 1738.761+/-0.257 χ^2/NDF: 534675.1/35

All: 1737.654+/-0.182 χ^2/NDF: 993806.1/73

- sign 1736.546+/-0.258 χ^2/NDF: 459094.0/37

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -957.669+/-553.914 χ^2/NDF:26.7/19

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

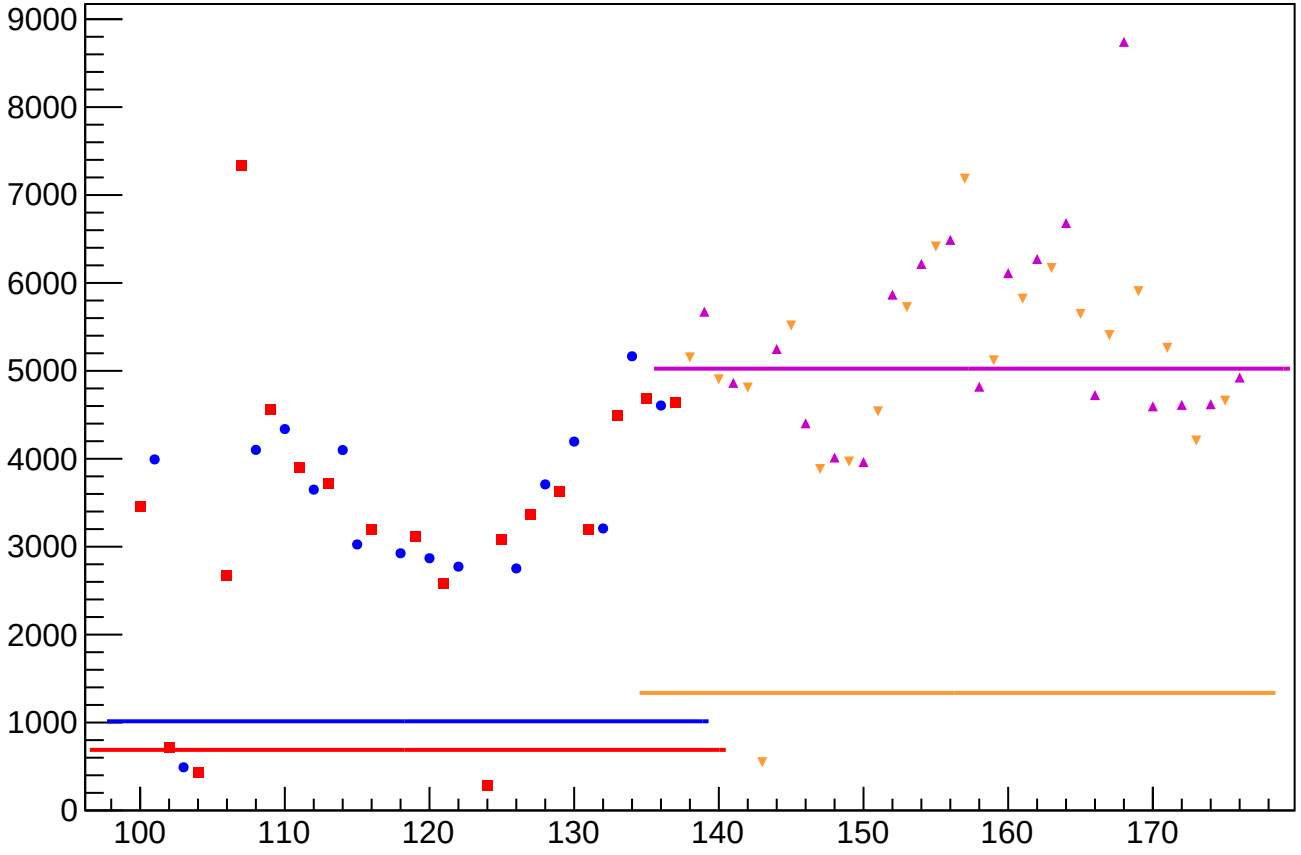
Left In: -435.346+/-1300.979 χ^2/NDF:11.1/18

+ sign -430.338+/-400.369 χ^2/NDF: 44.4/35

All: -488.433+/-286.041 χ^2/NDF: 72.7/73

- sign -549.002+/-408.809 χ^2/NDF: 28.3/37

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1336.626+/-0.392 χ^2/NDF:19678576.8/19

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

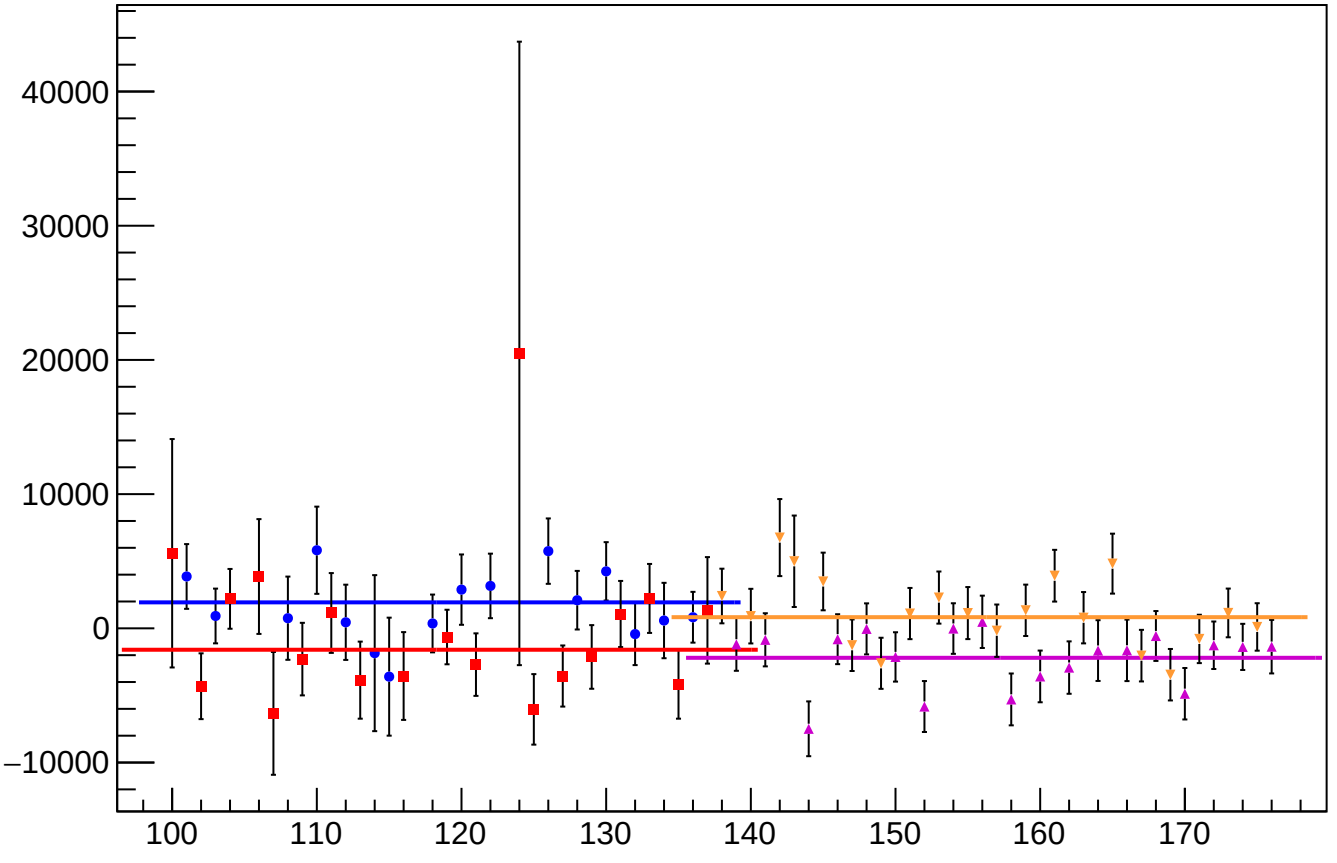
Left In: 5025.074+/-0.920 χ^2/NDF:1028667.4/18

+ sign 1182.597+/-0.283 χ^2/NDF: 28225424.9/35

All: 1150.581+/-0.202 χ^2/NDF: 58213201.3/7

- sign 1117.200+/-0.289 χ^2/NDF: 29961651.7/37

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 831.199+/-446.659 χ^2/NDF:27.3/19

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

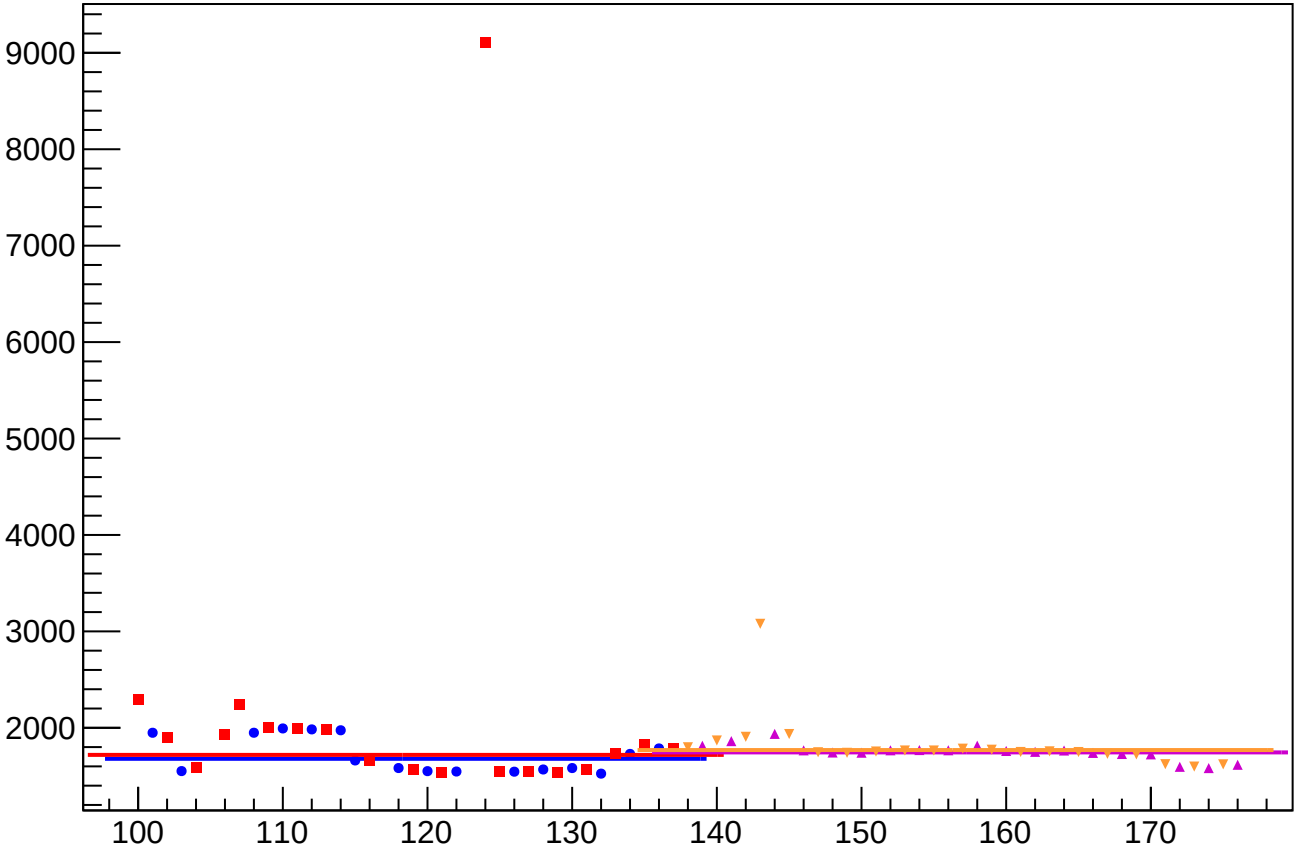
Left In: -2196.073+/-443.181 χ^2/NDF:22.9/18

+ sign 1202.053+/-363.960 χ^2/NDF: 40.2/35

All: -396.630+/-257.641 χ^2/NDF: 121.8/73

- sign -2002.339+/-364.759 χ^2/NDF: 42.9/37

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1769.235+/-0.316 χ^2/NDF:365485.7/19

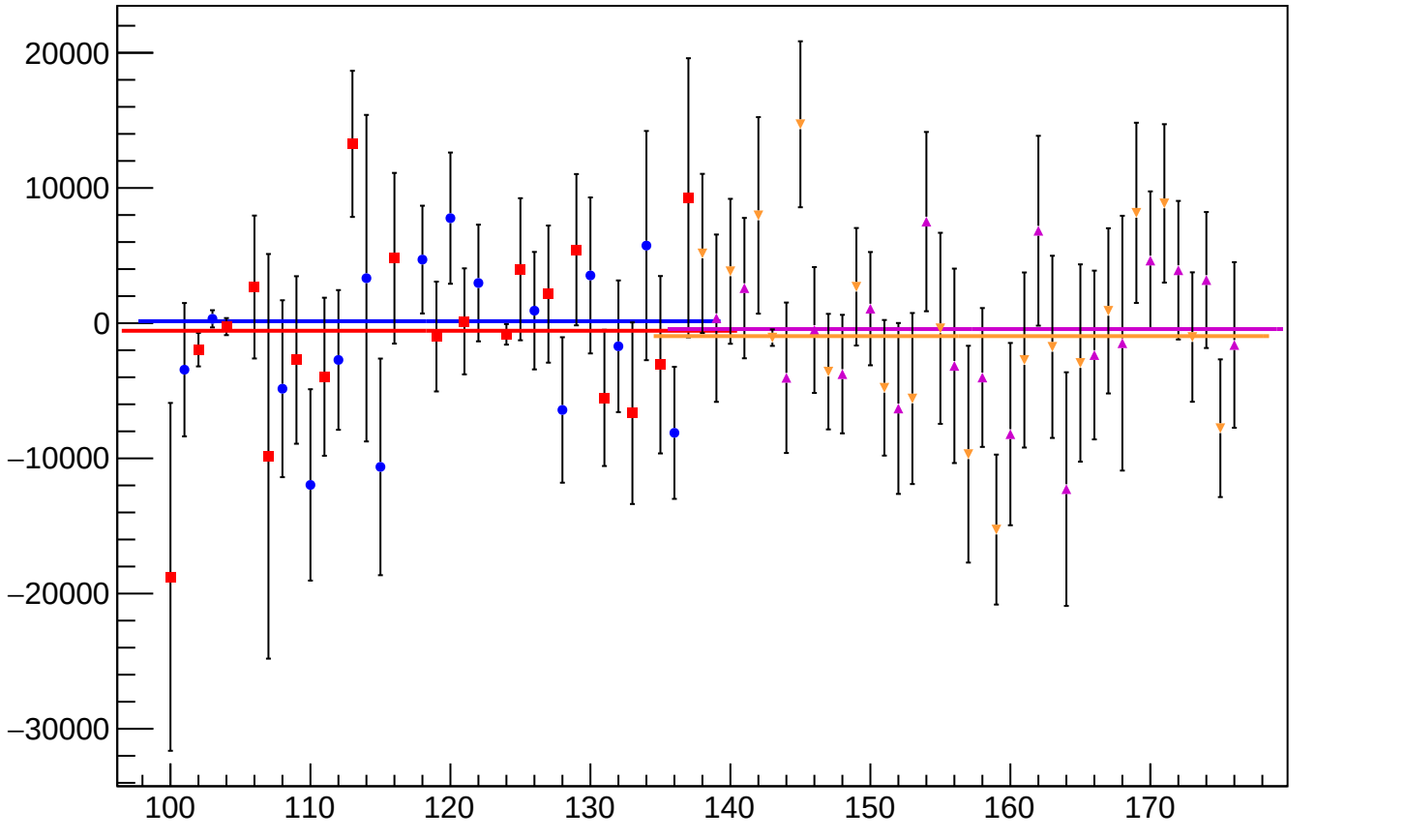
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1744.903+/-0.313 χ^2/NDF:71979.9/18

\+ sign 1738.761+/-0.257 χ^2/NDF: 534675.1/35

All: 1737.654+/-0.182 χ^2/NDF: 993806.1/73

\- sign 1736.546+/-0.258 χ^2/NDF: 459094.0/37



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -957.669+/-553.914 χ^2/NDF:26.7/19

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

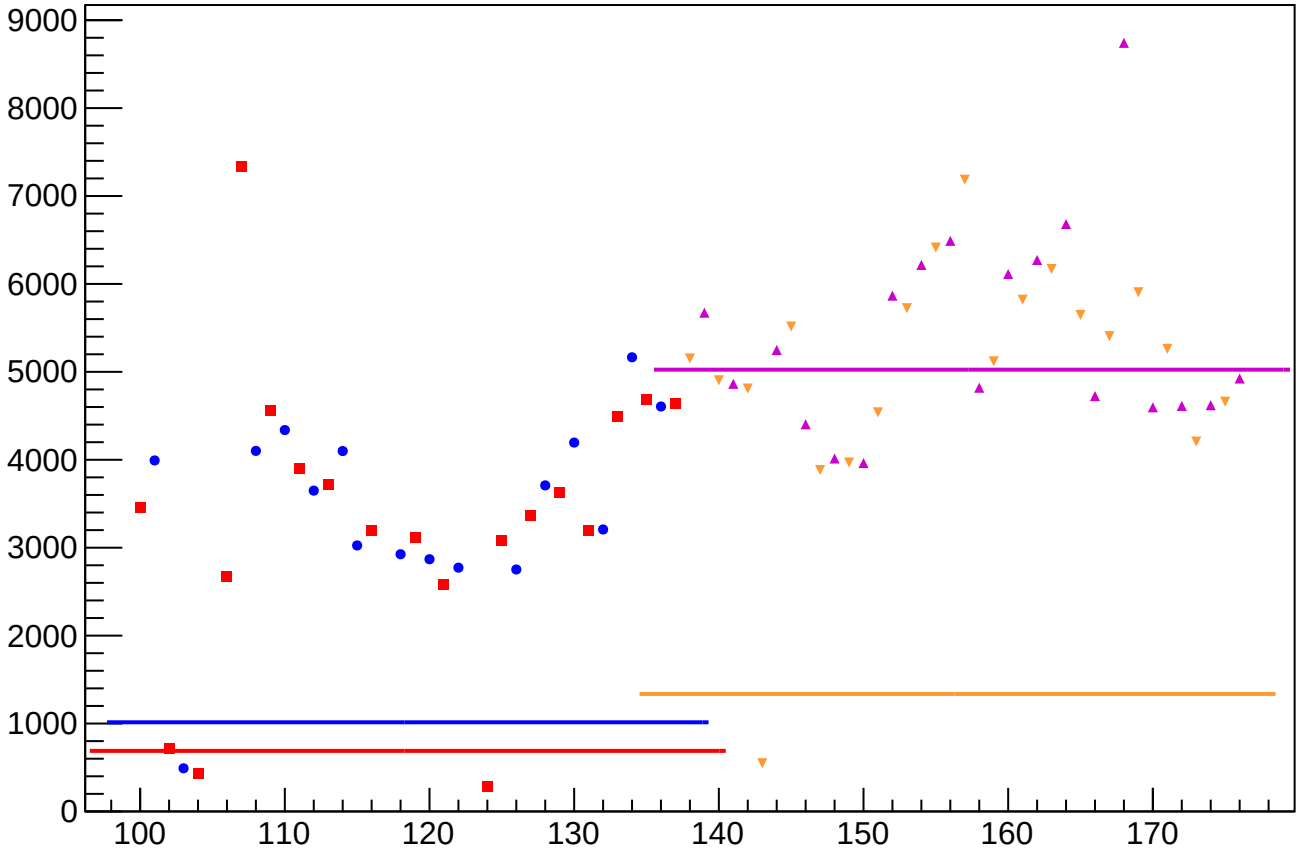
Left In: -435.346+/-1300.979 χ^2/NDF:11.1/18

+ sign -430.338+/-400.369 χ^2/NDF: 44.4/35

All: -488.433+/-286.041 χ^2/NDF: 72.7/73

- sign -549.002+/-408.809 χ^2/NDF: 28.3/37

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1336.626+/-0.392 χ^2/NDF:19678576.8/19

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

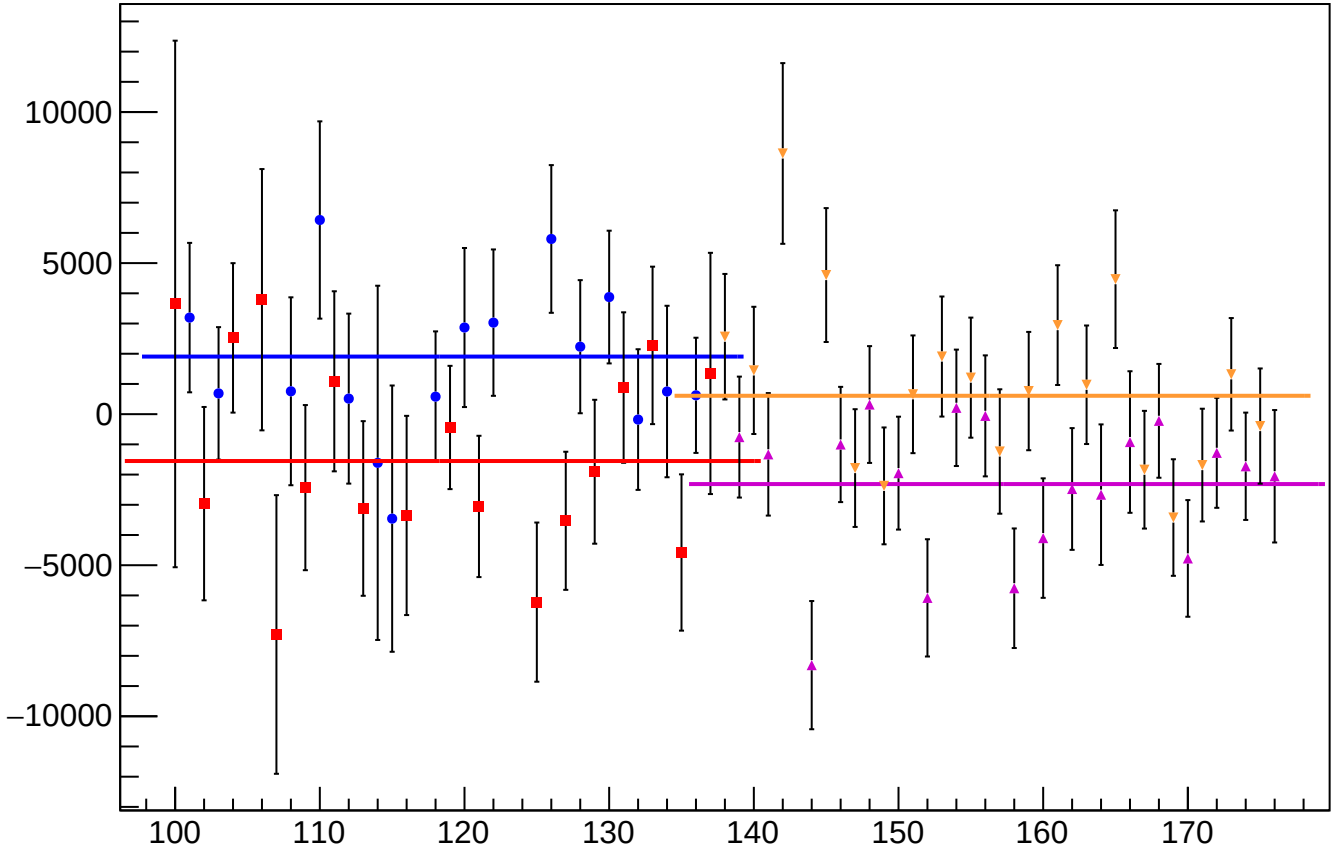
Left In: 5025.074+/-0.920 χ^2/NDF:1028667.4/18

+ sign 1182.597+/-0.283 χ^2/NDF: 28225424.9/35

All: 1150.581+/-0.202 χ^2/NDF: 58213201.3/7

- sign 1117.200+/-0.289 χ^2/NDF: 29961651.7/37

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 608.653+/-463.256 χ^2/NDF:28.9/18

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

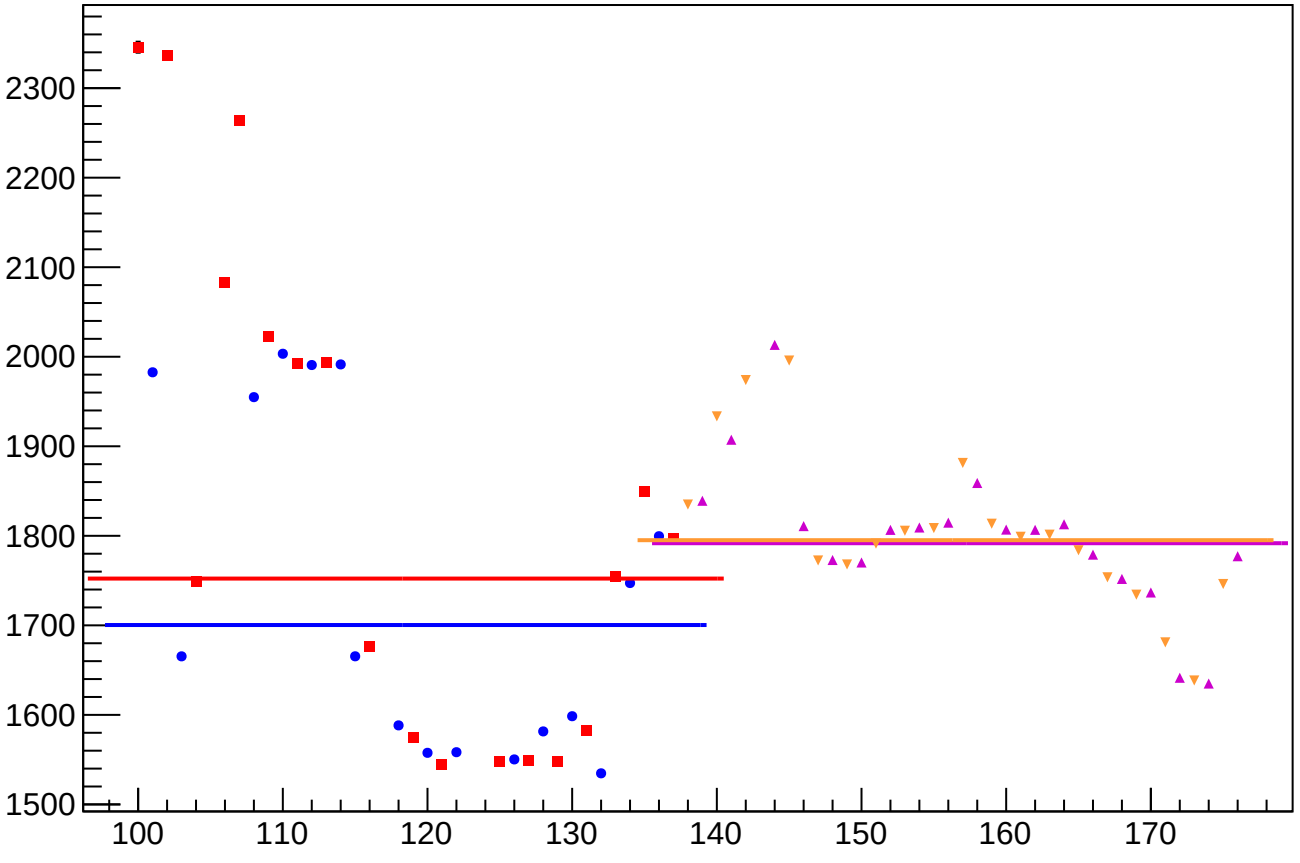
Left In: -2313.846+/-455.048 χ^2/NDF:25.5/18

+ sign 1058.037+/-374.541 χ^2/NDF: 41.8/34

All: -504.080+/-264.942 χ^2/NDF: 120.5/71

- sign -2068.583+/-374.827 χ^2/NDF: 43.8/36

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1795.106+/-0.328 χ^2/NDF:63352.6/18

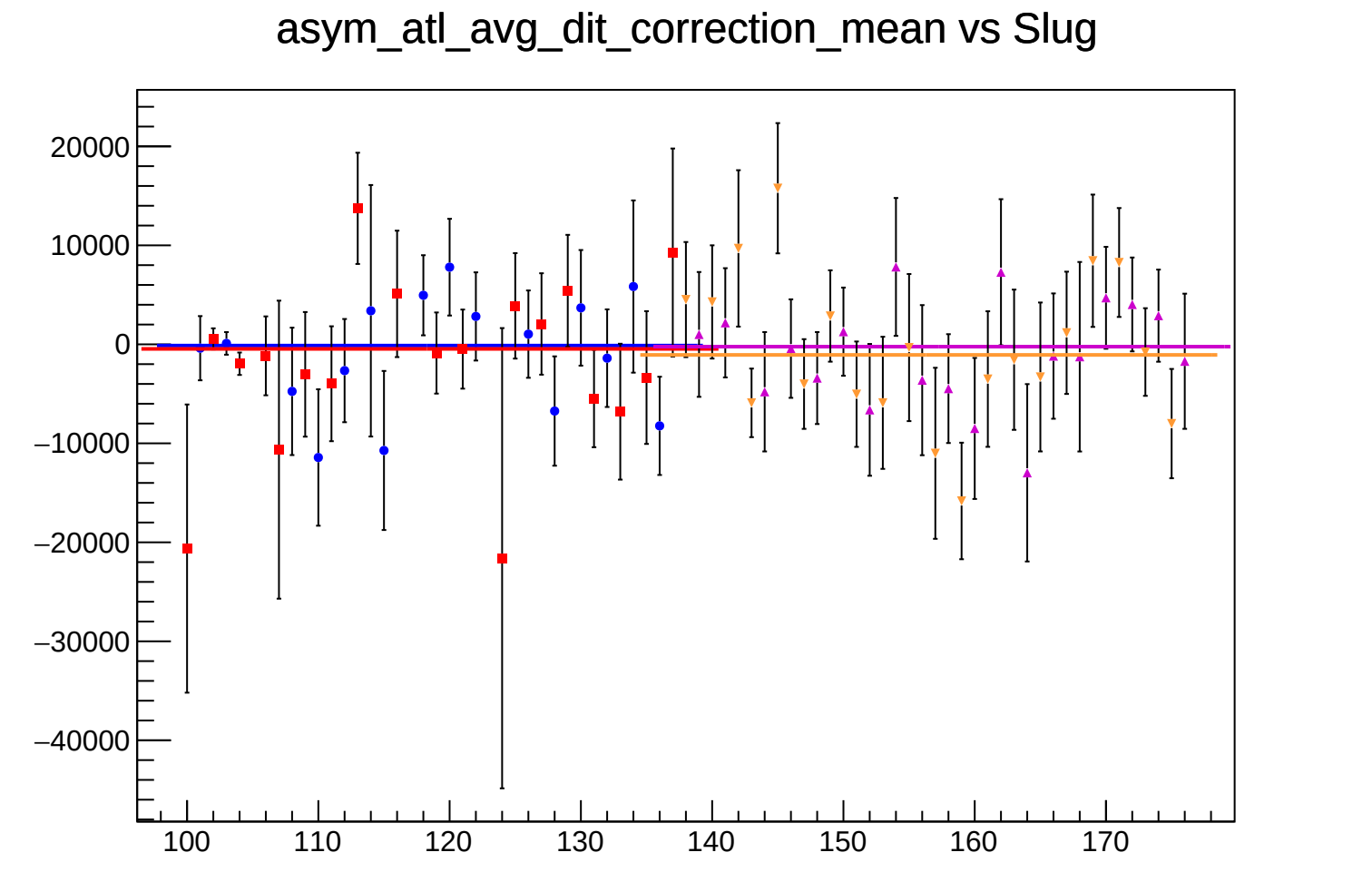
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1791.729+/-0.322 χ^2/NDF:65200.2/18

+ sign 1762.291+/-0.265 χ^2/NDF: 227747.2/34

All: 1770.642+/-0.187 χ^2/NDF: 547746.3/71

- sign 1778.993+/-0.265 χ^2/NDF: 318010.6/36



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1068.135+/-1269.134 χ^2/NDF:28.8/19

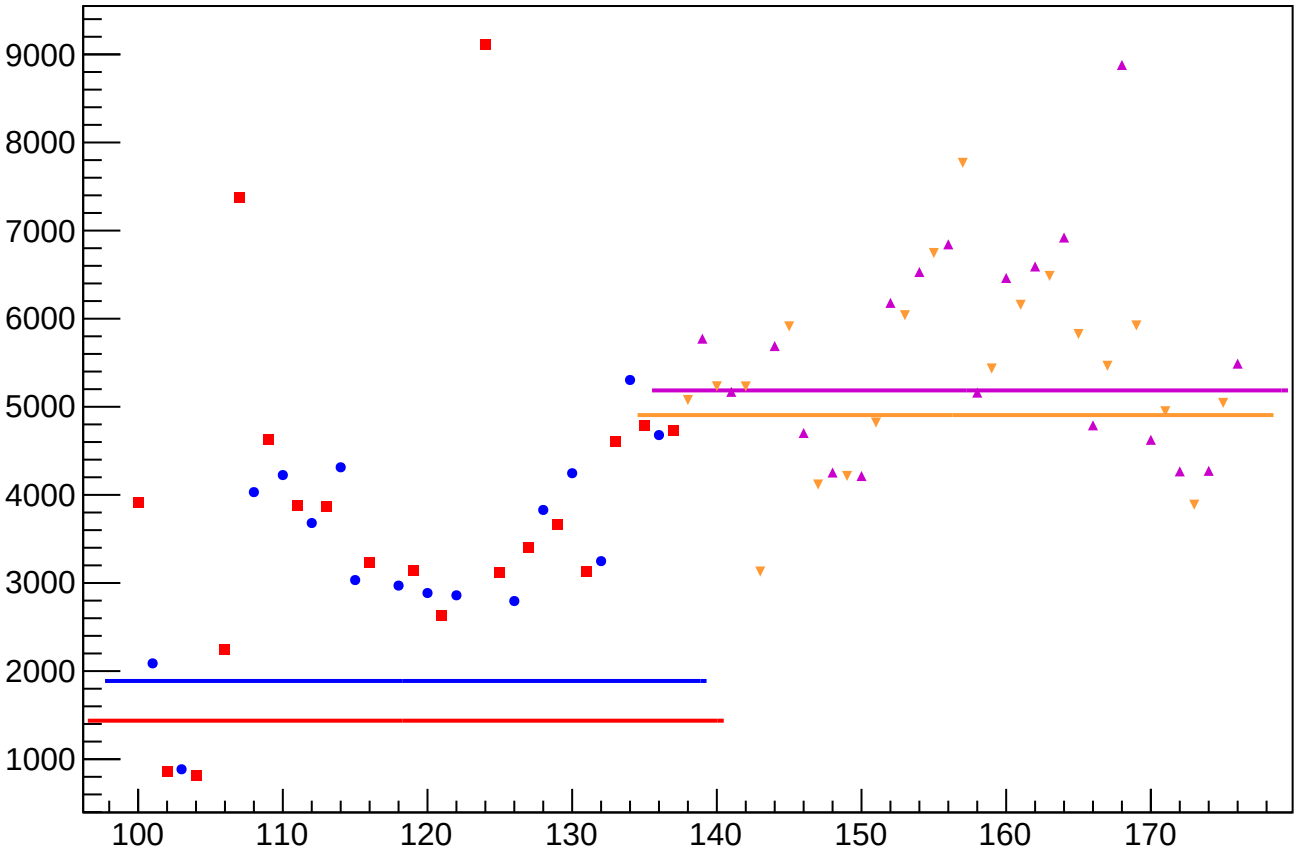
Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: -233.983+/-1345.193 χ^2/NDF:11.1/18

+ sign -425.719+/-716.260 χ^2/NDF: 44.3/35

All: -418.680+/-462.753 χ^2/NDF: 73.9/73

- sign -413.637+/-606.269 χ^2/NDF: 29.6/37



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4905.846+/-0.897 χ^2/NDF:1472106.4/19

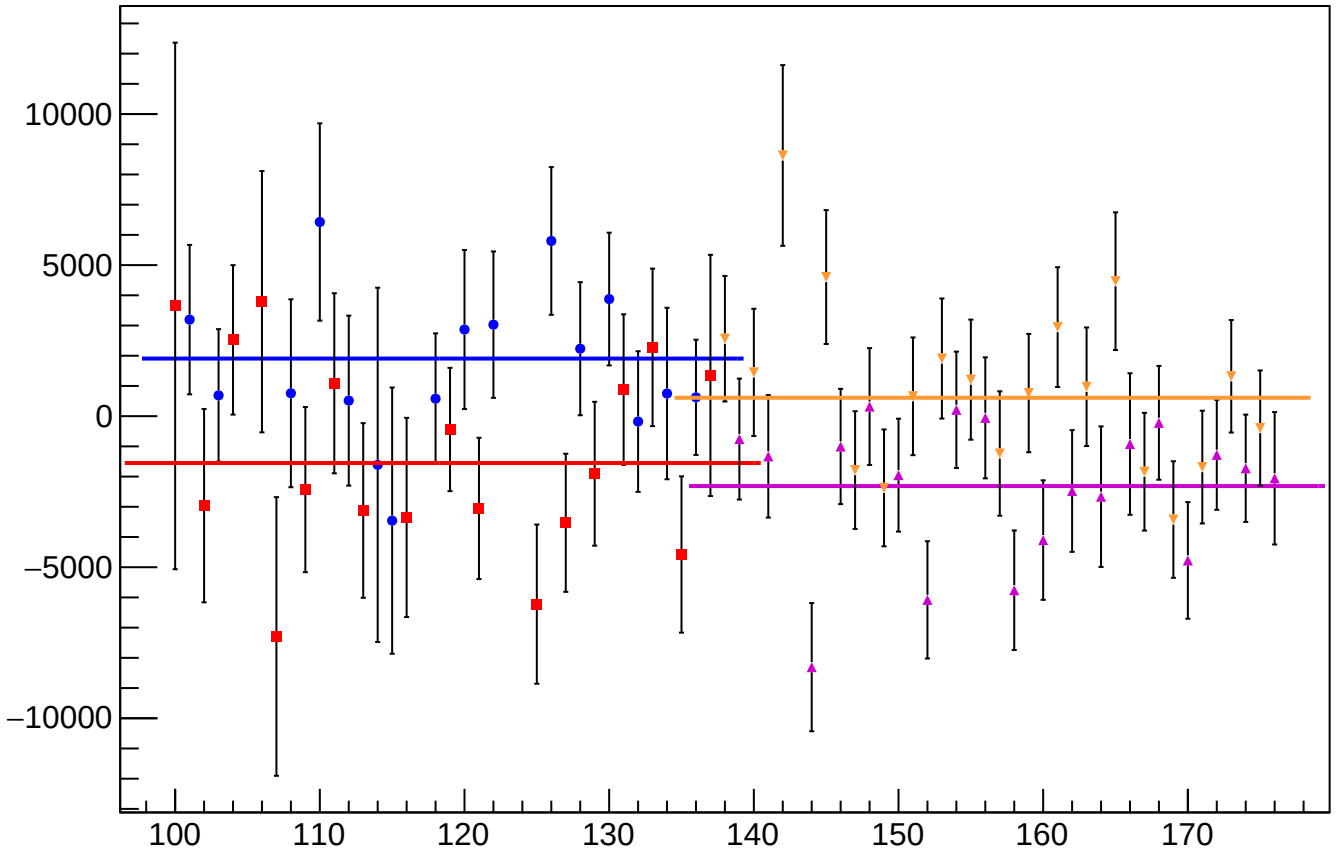
Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5185.849+/-0.951 χ^2/NDF:1138130.0/18

+ sign 2849.221+/-0.506 χ^2/NDF: 13604472.7/35

All: 2470.153+/-0.327 χ^2/NDF: 34045509.4/7

- sign 2198.568+/-0.429 χ^2/NDF: 19479523.9/37



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 608.649+/-463.256 χ^2/NDF:28.9/18

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

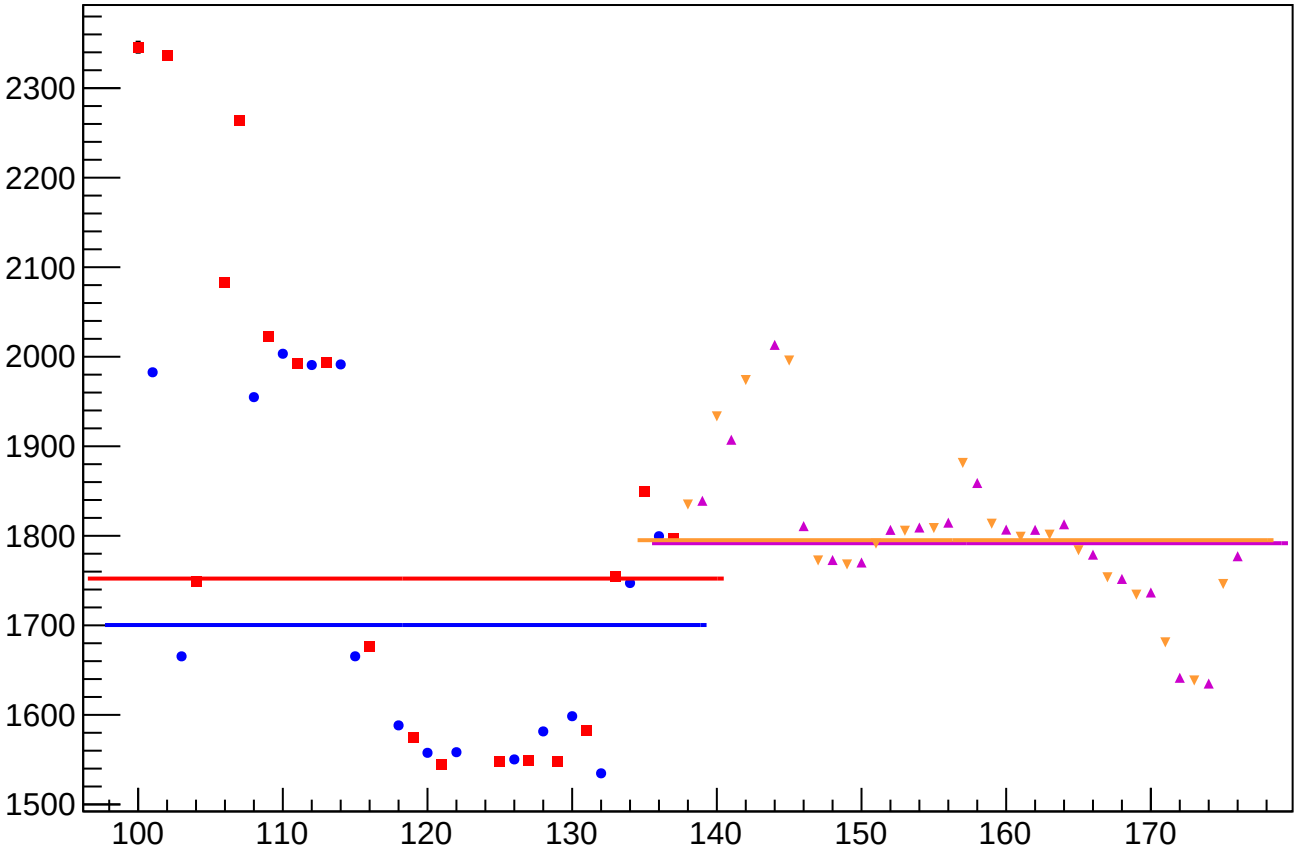
Left In: -2313.847+/-455.049 χ^2/NDF:25.5/18

+ sign 1058.035+/-374.541 χ^2/NDF: 41.8/34

All: -504.081+/-264.942 χ^2/NDF: 120.5/71

- sign -2068.582+/-374.827 χ^2/NDF: 43.8/36

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1795.106+/-0.328 χ^2/NDF:63354.8/18

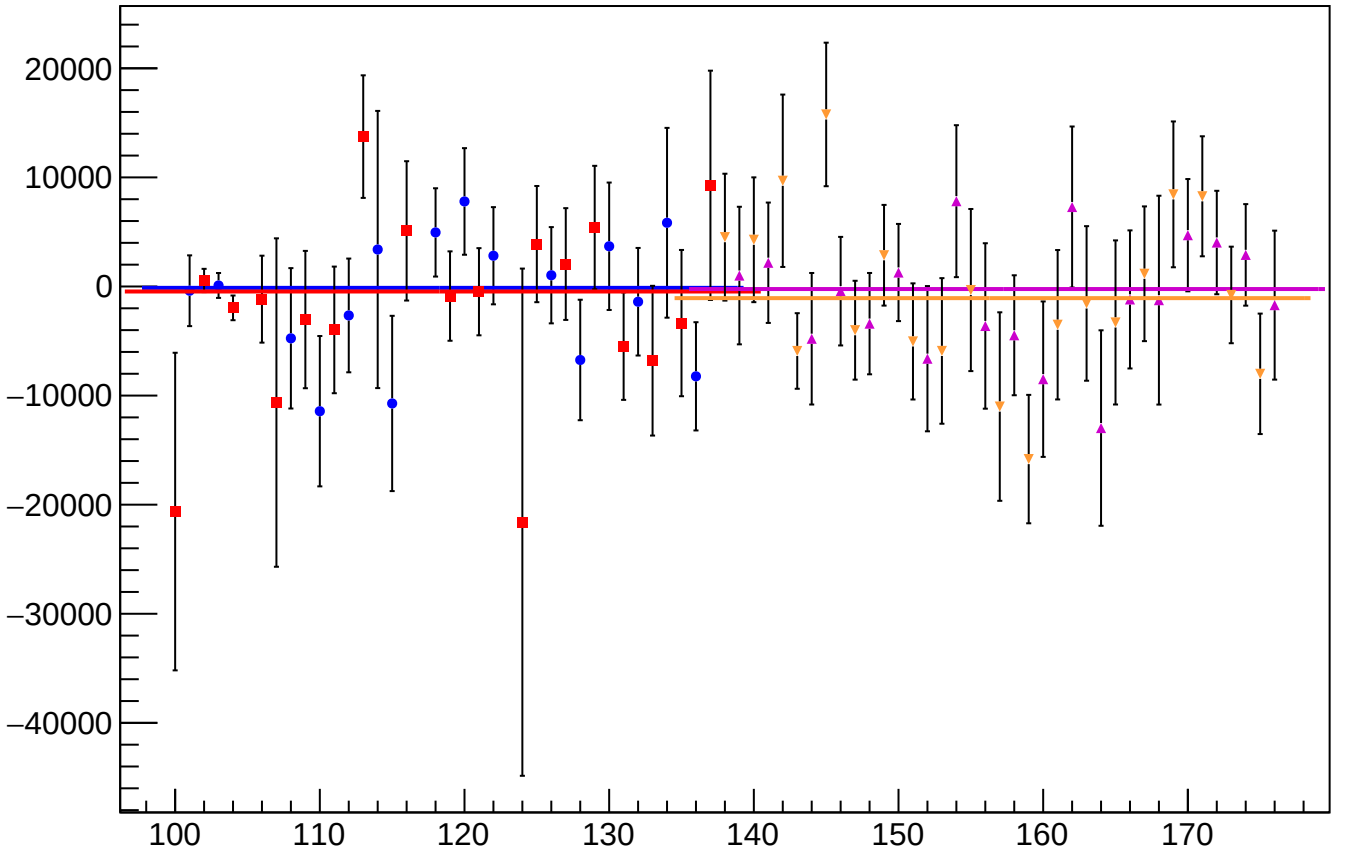
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1791.730+/-0.322 χ^2/NDF:65202.3/18

\+ sign 1762.291+/-0.265 χ^2/NDF: 227750.1/34

All: 1770.642+/-0.187 χ^2/NDF: 547751.2/71

\- sign 1778.994+/-0.265 χ^2/NDF: 318012.6/36



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1068.141+/-1269.136 χ^2/NDF:28.8/19

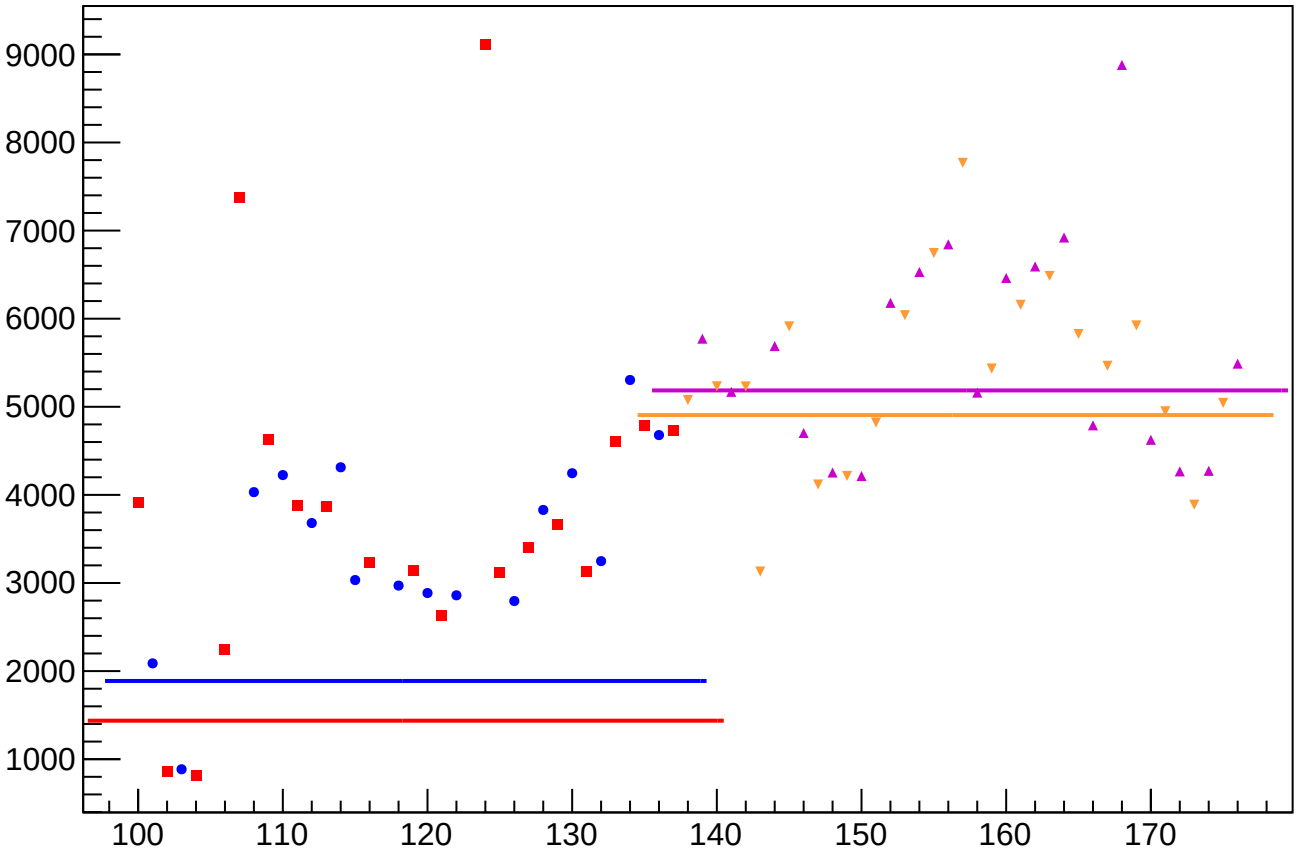
Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: -233.984+/-1345.195 χ^2/NDF:11.1/18

+ sign -425.715+/-716.258 χ^2/NDF: 44.3/35

All: -418.678+/-462.751 χ^2/NDF: 73.9/73

- sign -413.637+/-606.266 χ^2/NDF: 29.6/37



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4905.853+/-0.897 χ^2/NDF:1472111.7/19

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

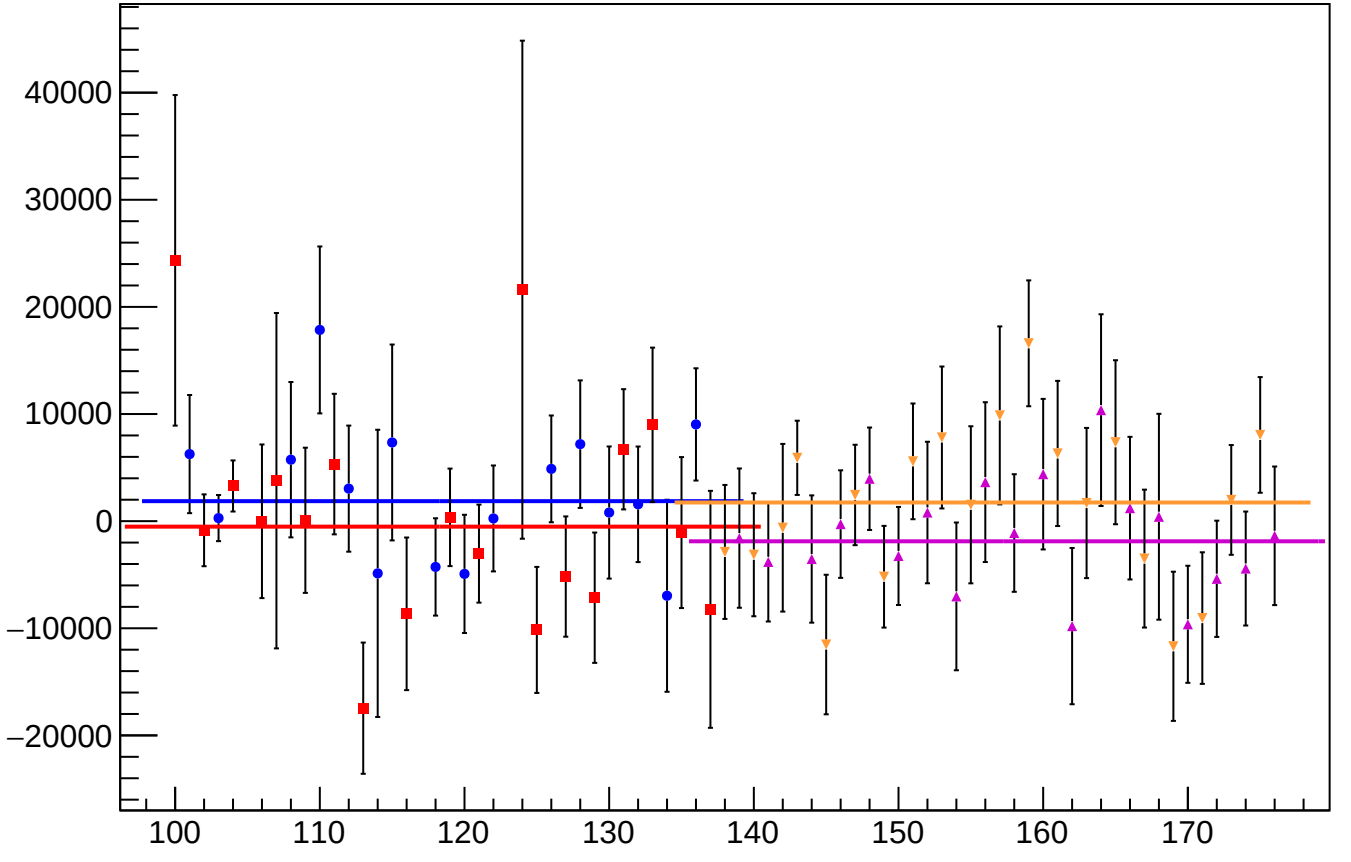
Left In: 5185.858+/-0.951 χ^2/NDF:1138130.4/18

+ sign 2849.202+/-0.506 χ^2/NDF: 13604651.3/35

All: 2470.133+/-0.327 χ^2/NDF: 34045884.6/7

- sign 2198.548+/-0.429 χ^2/NDF: 19479709.8/37

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1741.633+/-1300.748 χ^2/NDF:27.6/19

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

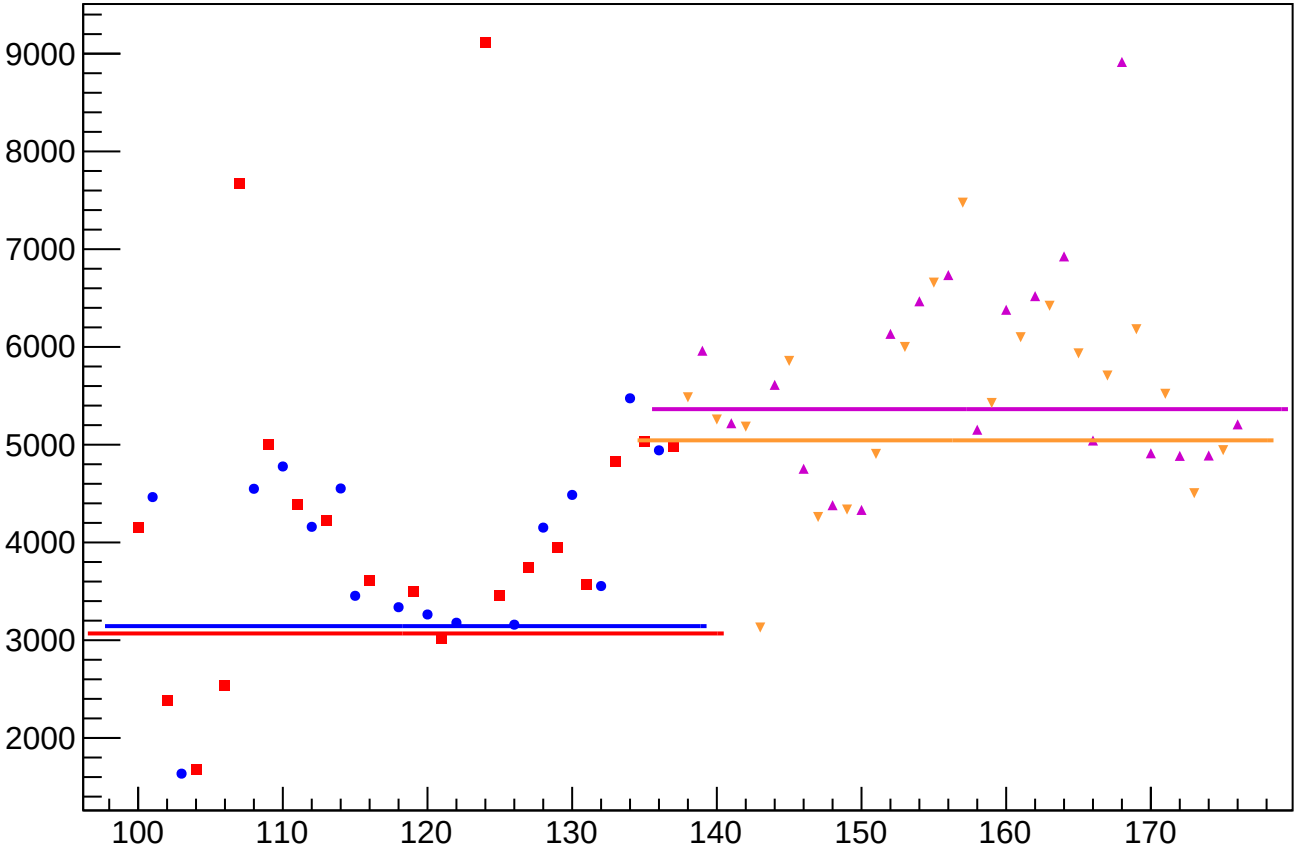
Left In: -1880.818+/-1383.932 χ^2/NDF:10.0/18

+ sign 1806.154+/-904.716 χ^2/NDF: 41.4/35

All: 372.855+/-646.491 χ^2/NDF: 81.7/73

- sign -1122.667+/-924.145 χ^2/NDF: 35.2/37

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5044.444+/-0.920 χ^2/NDF:1337452.7/19

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

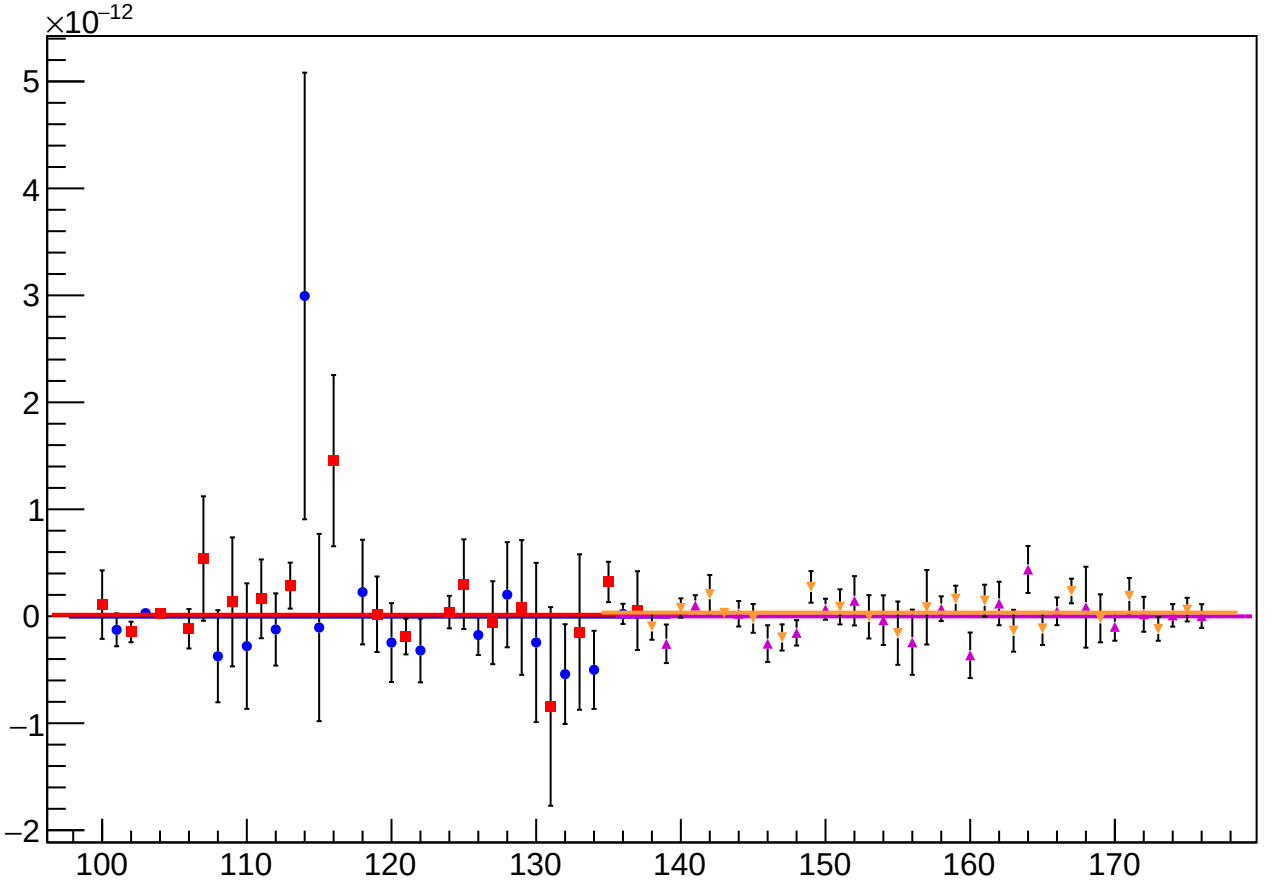
Left In: 5363.663+/-0.979 χ^2/NDF:863223.8/18

+ sign 4063.444+/-0.640 χ^2/NDF: 5424208.8/35

All: 4068.904+/-0.455 χ^2/NDF: 11258155.1/7

- sign 4074.501+/-0.648 χ^2/NDF: 5833798.9/37

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:18.6/19

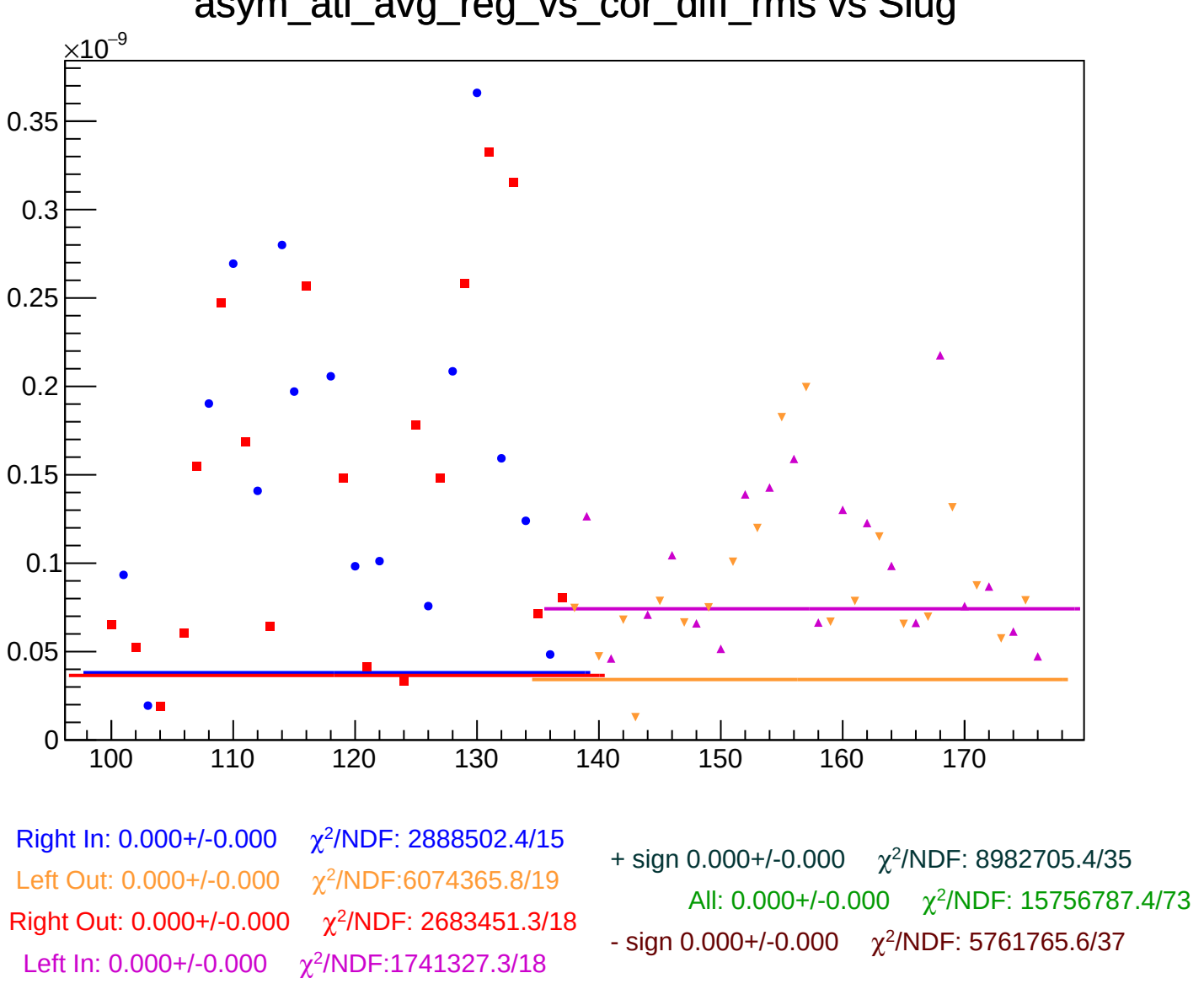
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/18

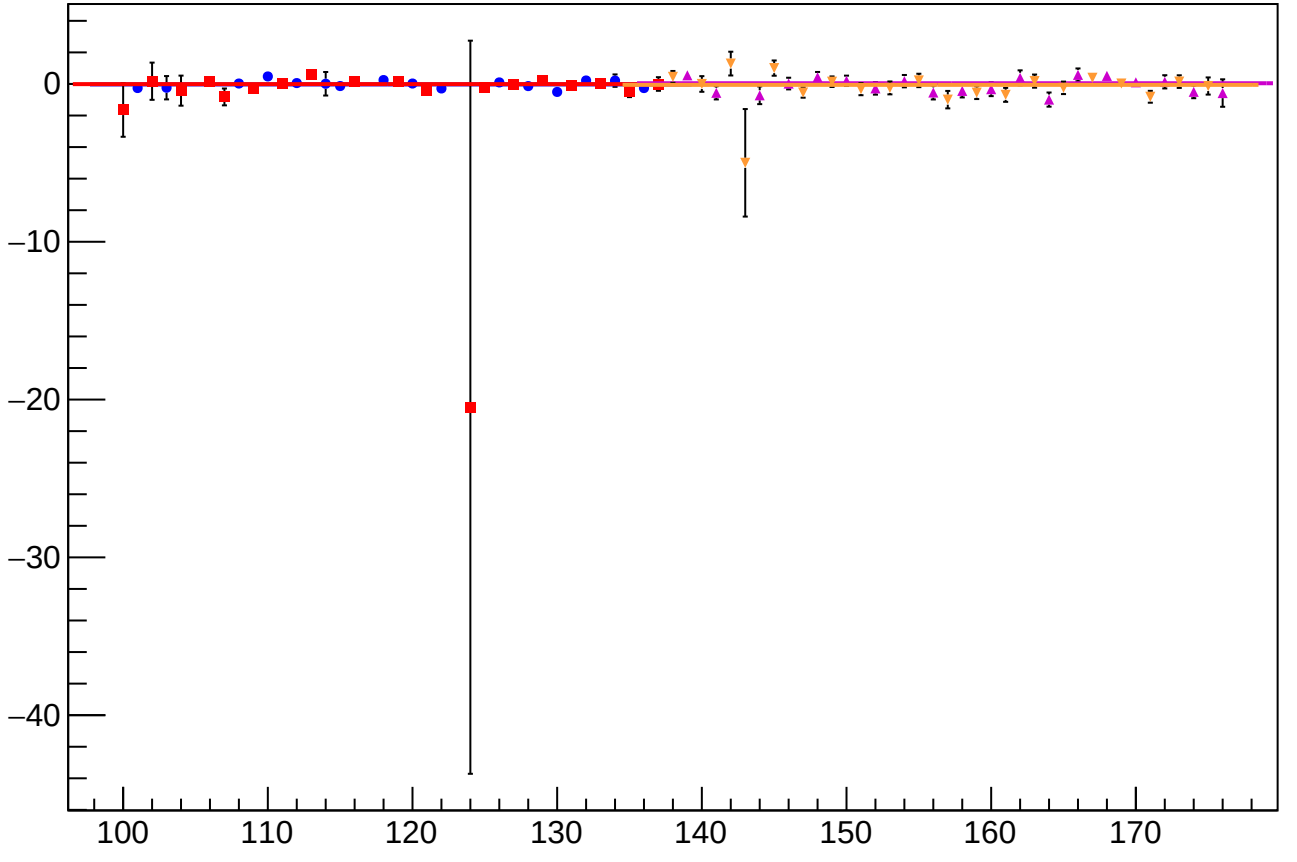
+ sign 0.000+/-0.000 χ^2/NDF: 30.2/35

All: 0.000+/-0.000 χ^2/NDF: 62.6/73

- sign 0.000+/-0.000 χ^2/NDF: 31.9/37


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:6074365.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:1741327.3/18
+ sign 0.000+/-0.000 χ²/NDF: 8982705.4/35
All: 0.000+/-0.000 χ²/NDF: 15756787.4/73
- sign 0.000+/-0.000 χ²/NDF: 5761765.6/37

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

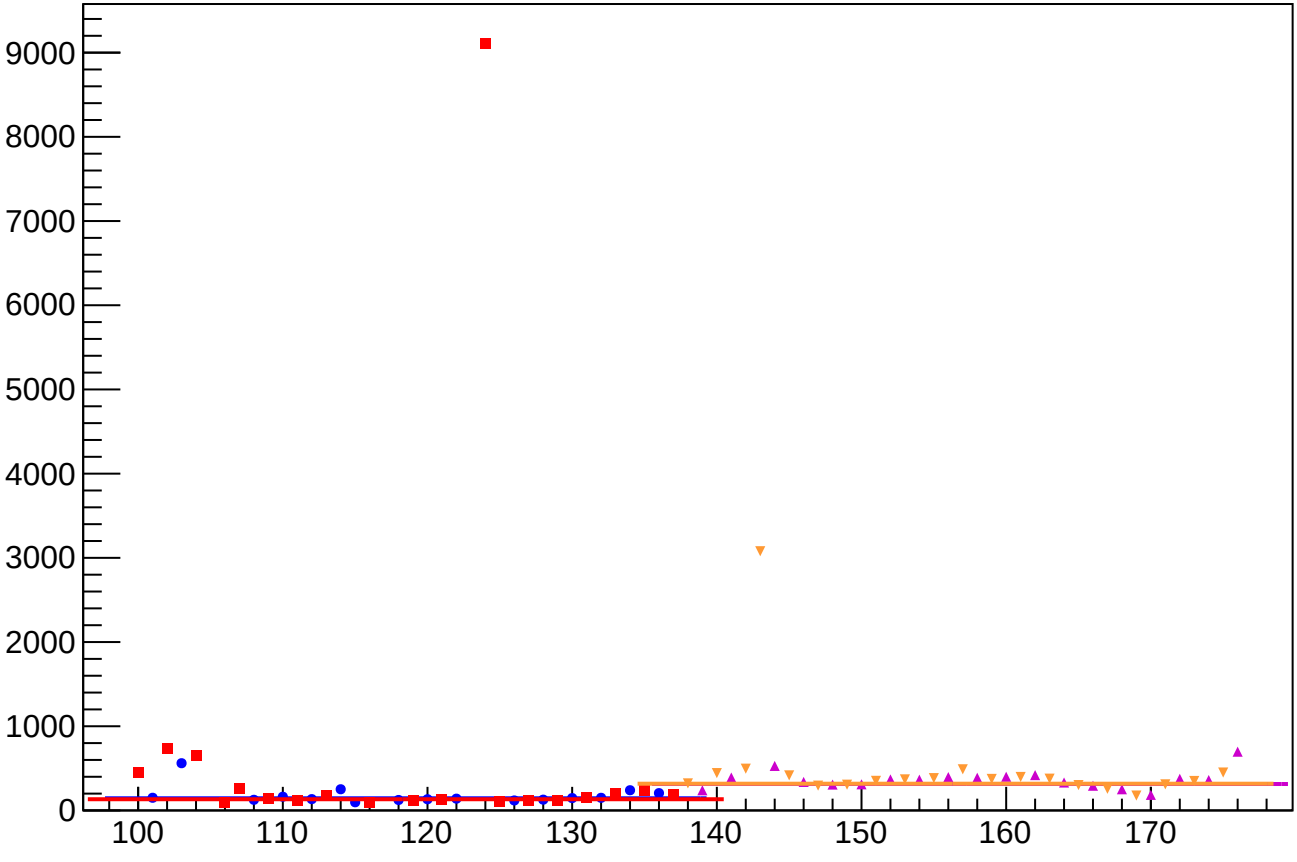
Left In: 0.045+/-0.084 χ^2/NDF:26.3/18

+ sign -0.037+/-0.048 χ^2/NDF: 46.8/35

All: -0.015+/-0.034 χ^2/NDF: 95.6/73

- sign 0.007+/-0.047 χ^2/NDF: 48.4/37

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 317.671+/-0.061 χ^2/NDF:3303067.6/19

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

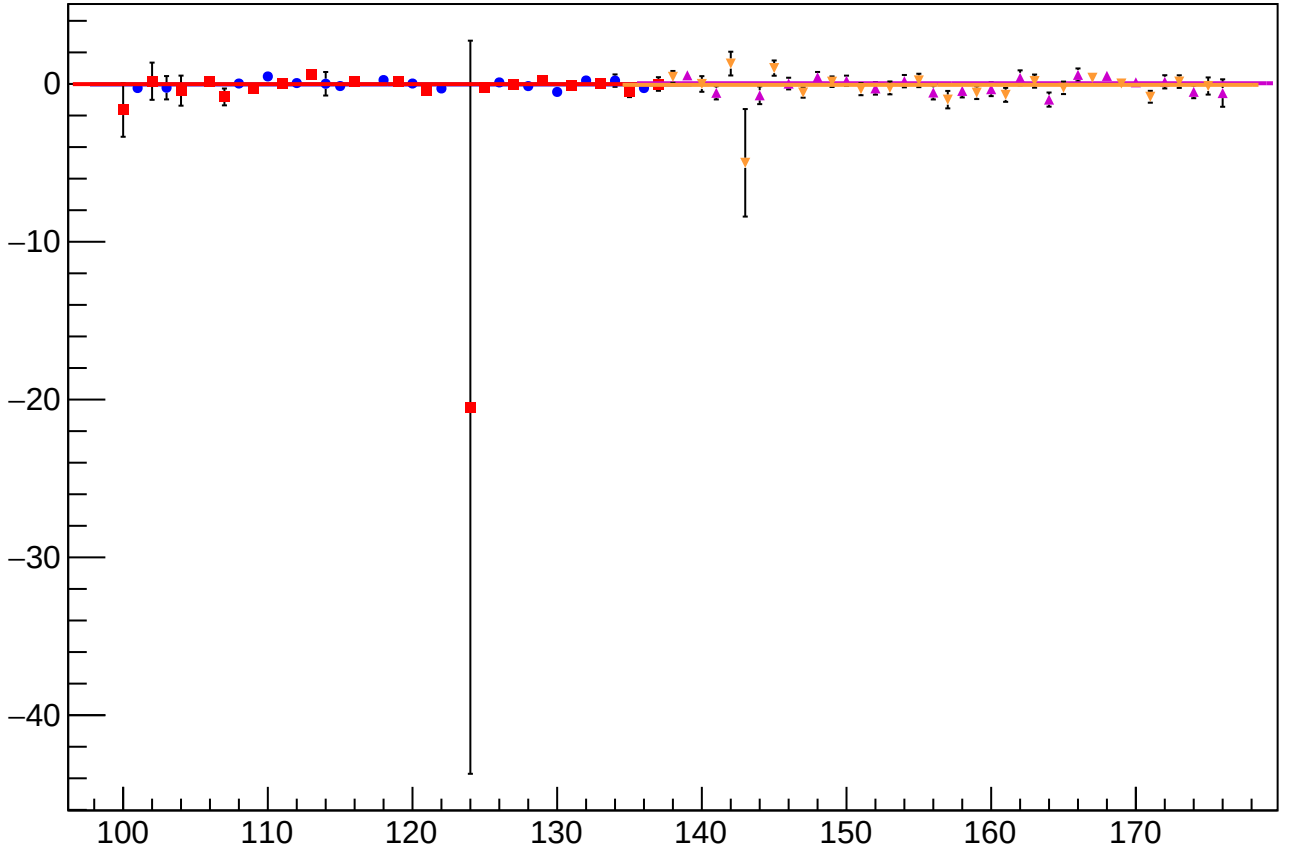
Left In: 314.138+/-0.060 χ^2/NDF:2230879.0/18

+ sign 197.979+/-0.034 χ^2/NDF: 9999194.4/35

All: 193.594+/-0.024 χ^2/NDF: 20844755.9/73

- sign 189.411+/-0.033 χ^2/NDF: 10813003.7/37

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: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

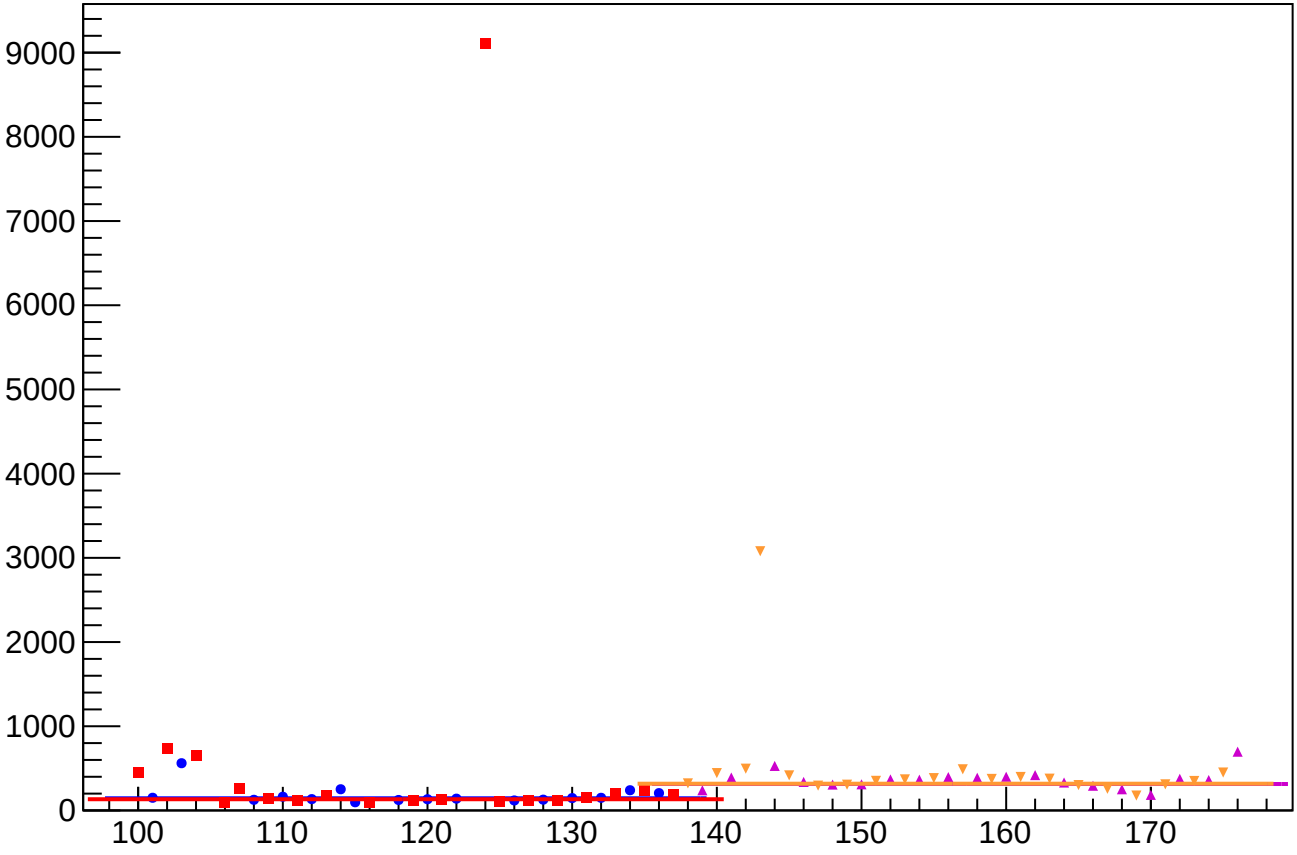
Left In: 0.045+/-0.084 χ^2/NDF:26.3/18

+ sign -0.037+/-0.048 χ^2/NDF: 46.8/35

All: -0.015+/-0.034 χ^2/NDF: 95.6/73

- sign 0.007+/-0.047 χ^2/NDF: 48.4/37

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: 317.671+/-0.061 χ^2/NDF:3303067.6/19

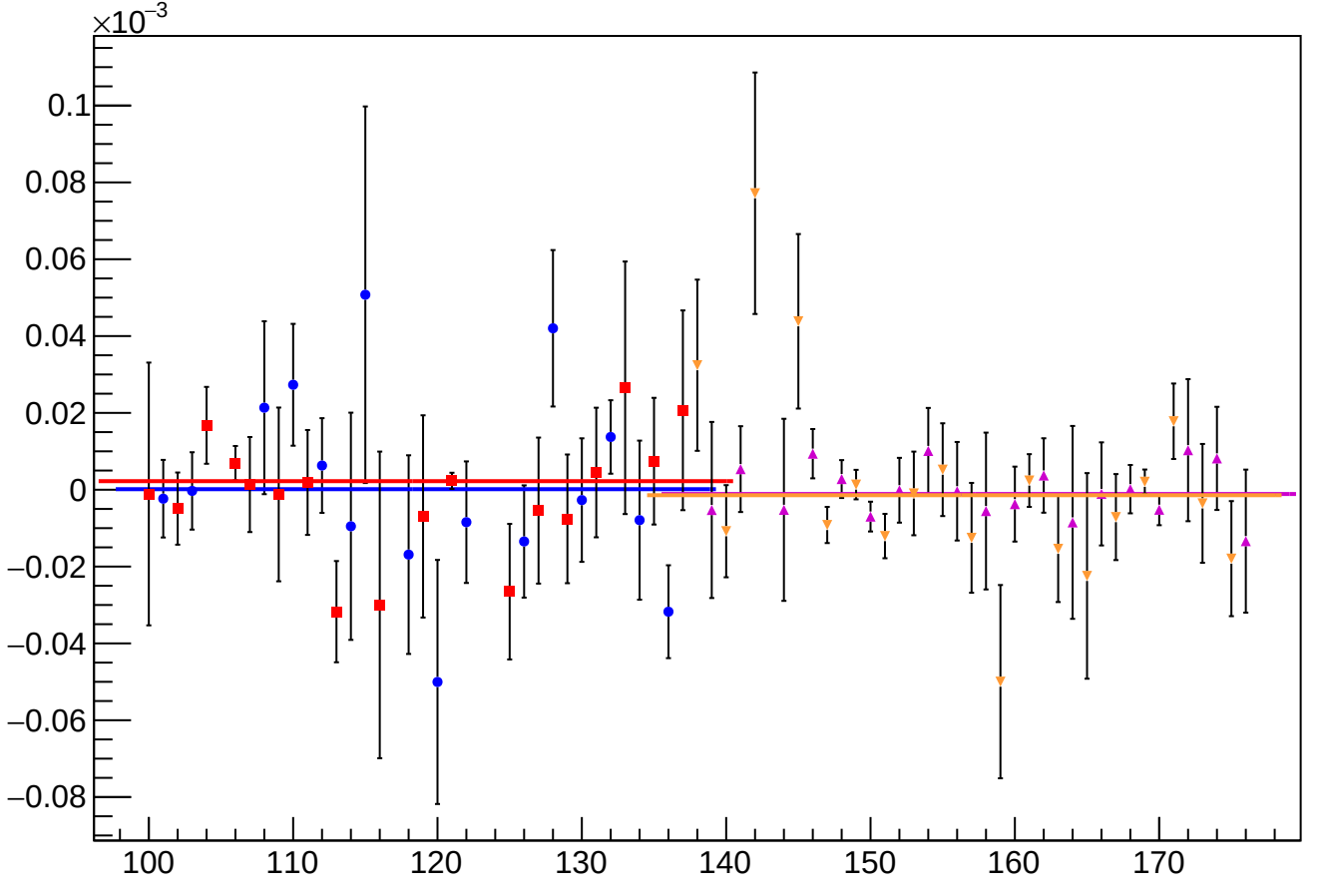
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 314.138+/-0.060 χ^2/NDF:2230879.0/18

+ sign 197.979+/-0.034 χ^2/NDF: 9999194.4/35

All: 193.594+/-0.024 χ^2/NDF: 20844755.9/73

- sign 189.411+/-0.033 χ^2/NDF: 10813003.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

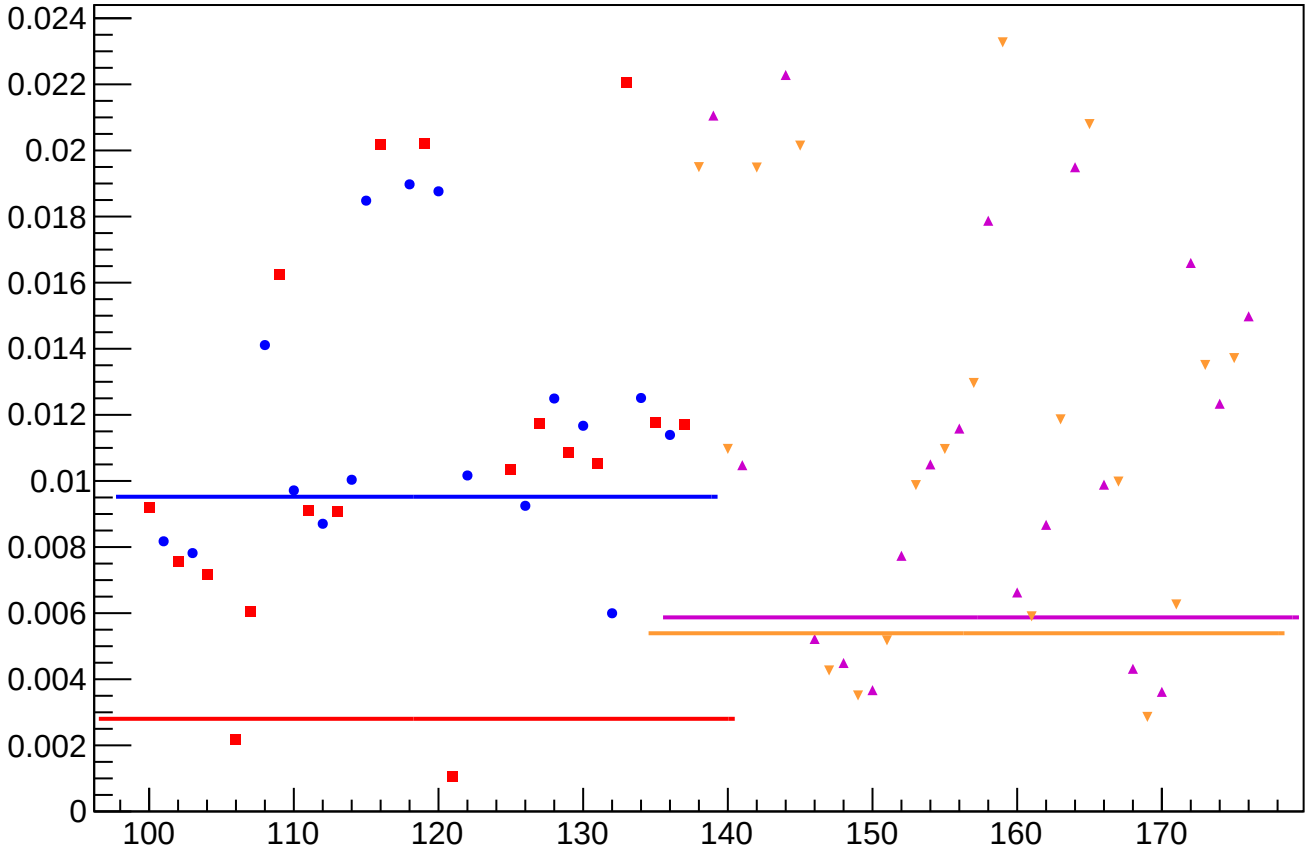
Left In: -0.000+/-0.000 χ^2/NDF:9.8/18

+ sign -0.000+/-0.000 χ^2/NDF: 55.8/34

All: -0.000+/-0.000 χ^2/NDF: 83.8/71

- sign 0.000+/-0.000 χ^2/NDF: 27.2/36

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:9307235.5/18

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

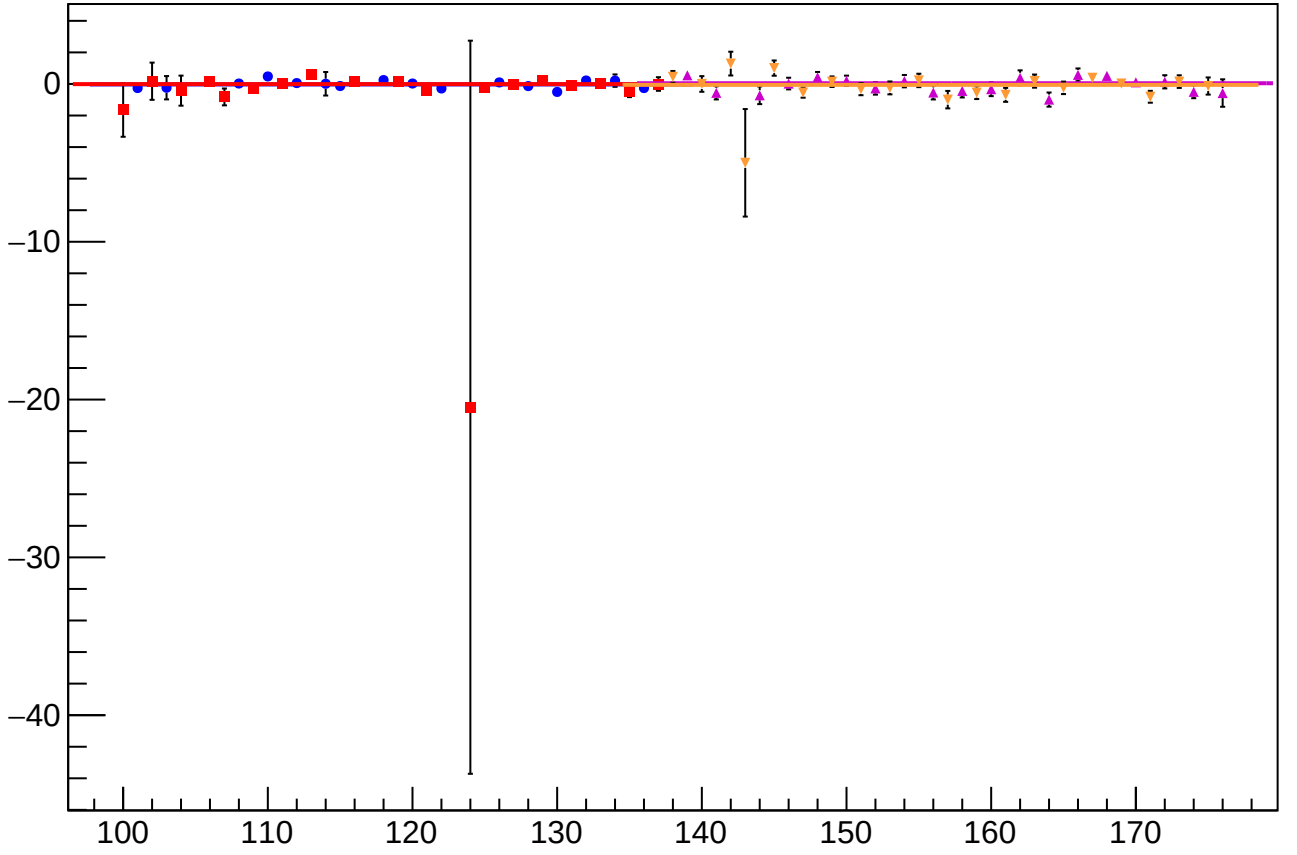
Left In: 0.006+/-0.000 χ^2/NDF:7837290.0/18

+ sign 0.006+/-0.000 χ^2/NDF: 12441543.4/34

All: 0.005+/-0.000 χ^2/NDF: 33584008.2/71

- sign 0.004+/-0.000 χ^2/NDF: 19403852.5/36

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: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

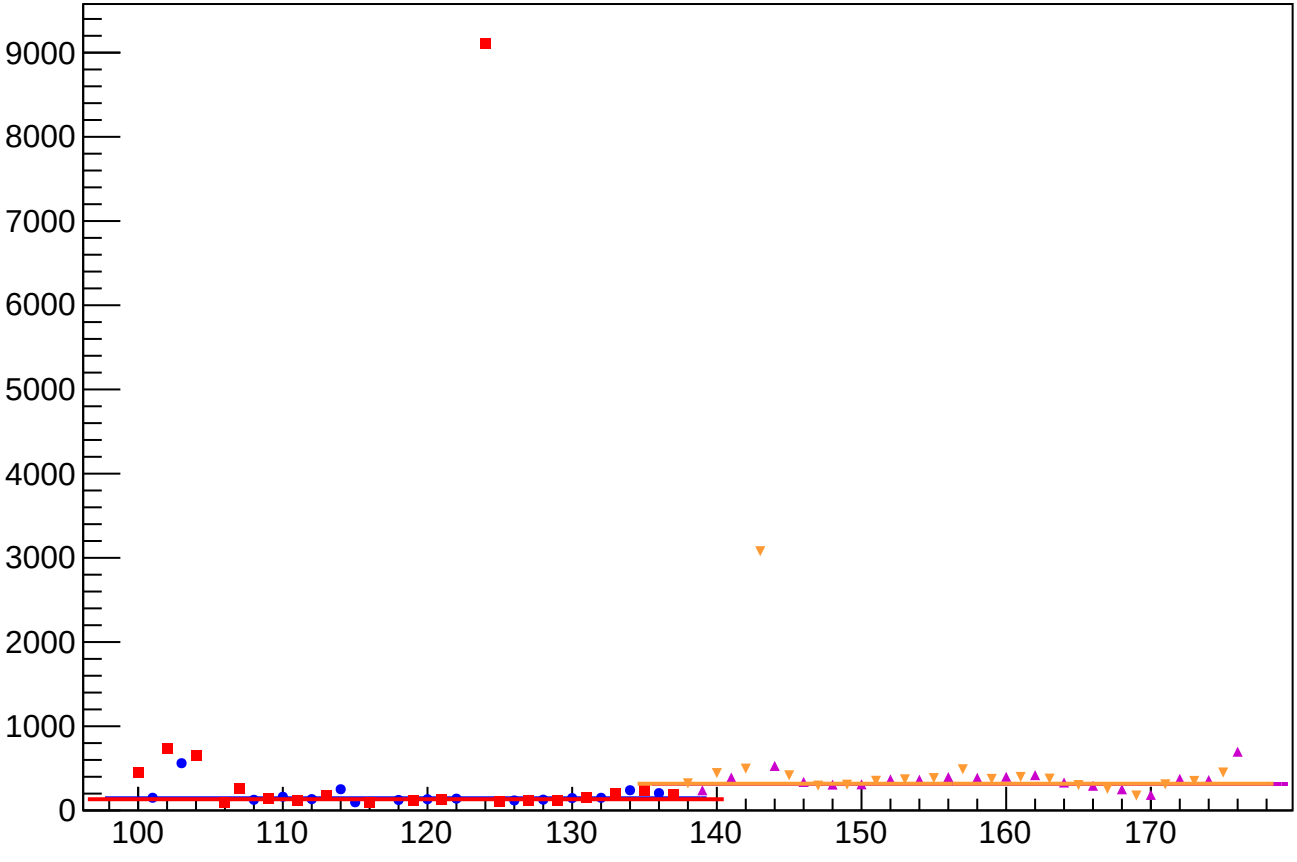
Left In: 0.045+/-0.084 χ^2/NDF:26.3/18

+ sign -0.037+/-0.048 χ^2/NDF: 46.8/35

All: -0.015+/-0.034 χ^2/NDF: 95.6/73

- sign 0.007+/-0.047 χ^2/NDF: 48.4/37

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: 317.673+/-0.061 χ^2/NDF:3303117.0/19

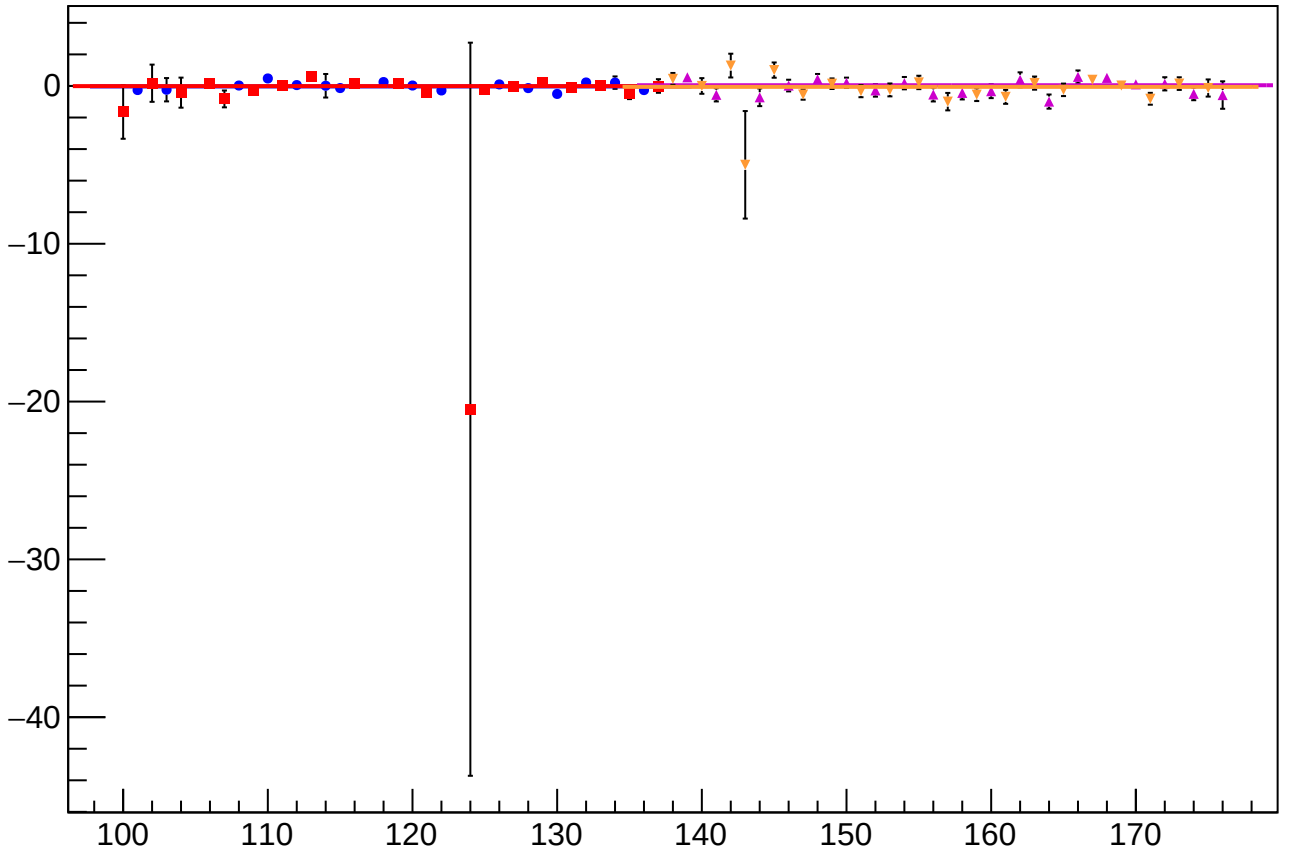
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 314.140+/-0.060 χ^2/NDF:2230878.0/18

+ sign 197.978+/-0.034 χ^2/NDF: 9999467.2/35

All: 193.593+/-0.024 χ^2/NDF: 20845166.4/73

- sign 189.410+/-0.033 χ^2/NDF: 10813147.2/37



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

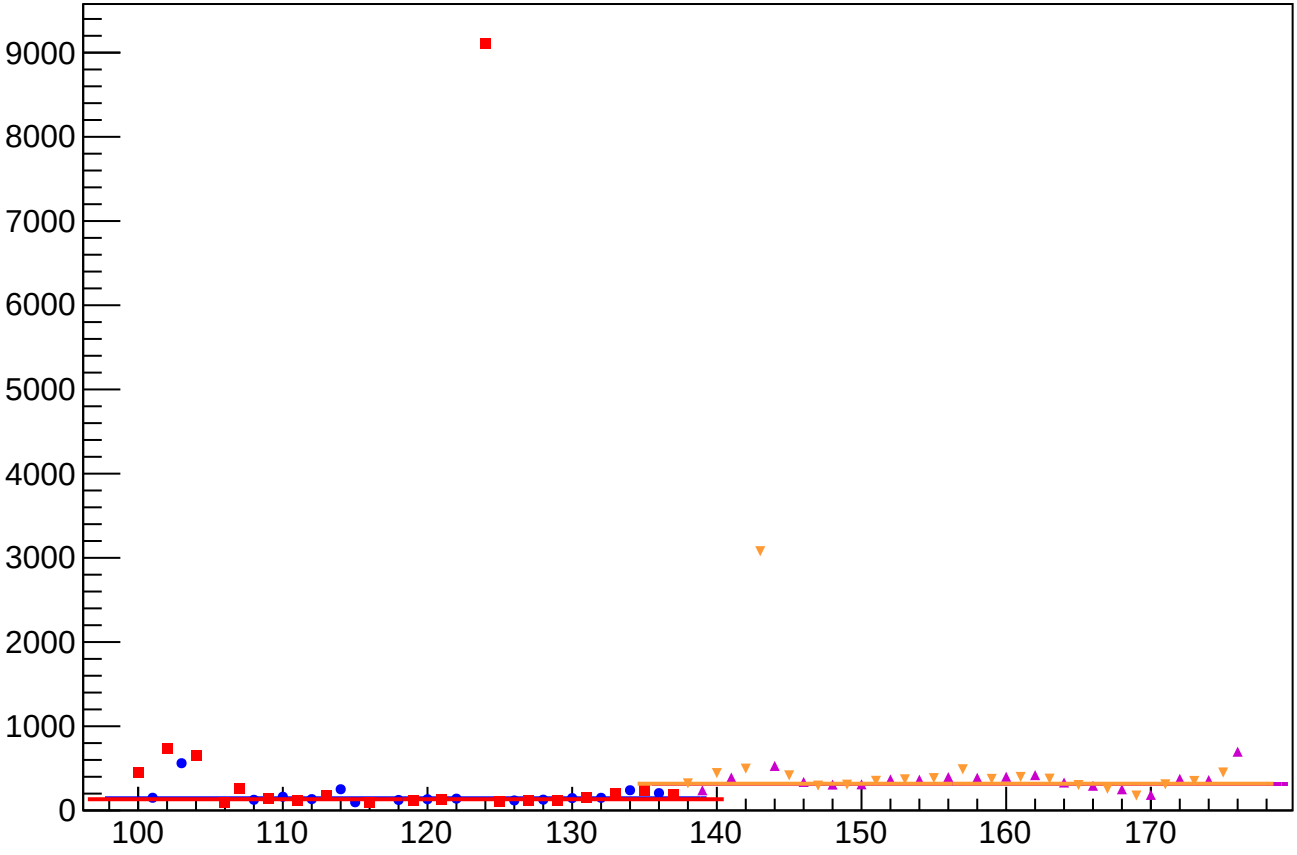
Left In: 0.045+/-0.084 χ^2/NDF:26.3/18

+ sign -0.037+/-0.048 χ^2/NDF: 46.8/35

All: -0.015+/-0.034 χ^2/NDF: 95.6/73

- sign 0.007+/-0.047 χ^2/NDF: 48.4/37

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 317.673+/-0.061 χ^2/NDF:3303117.0/19

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

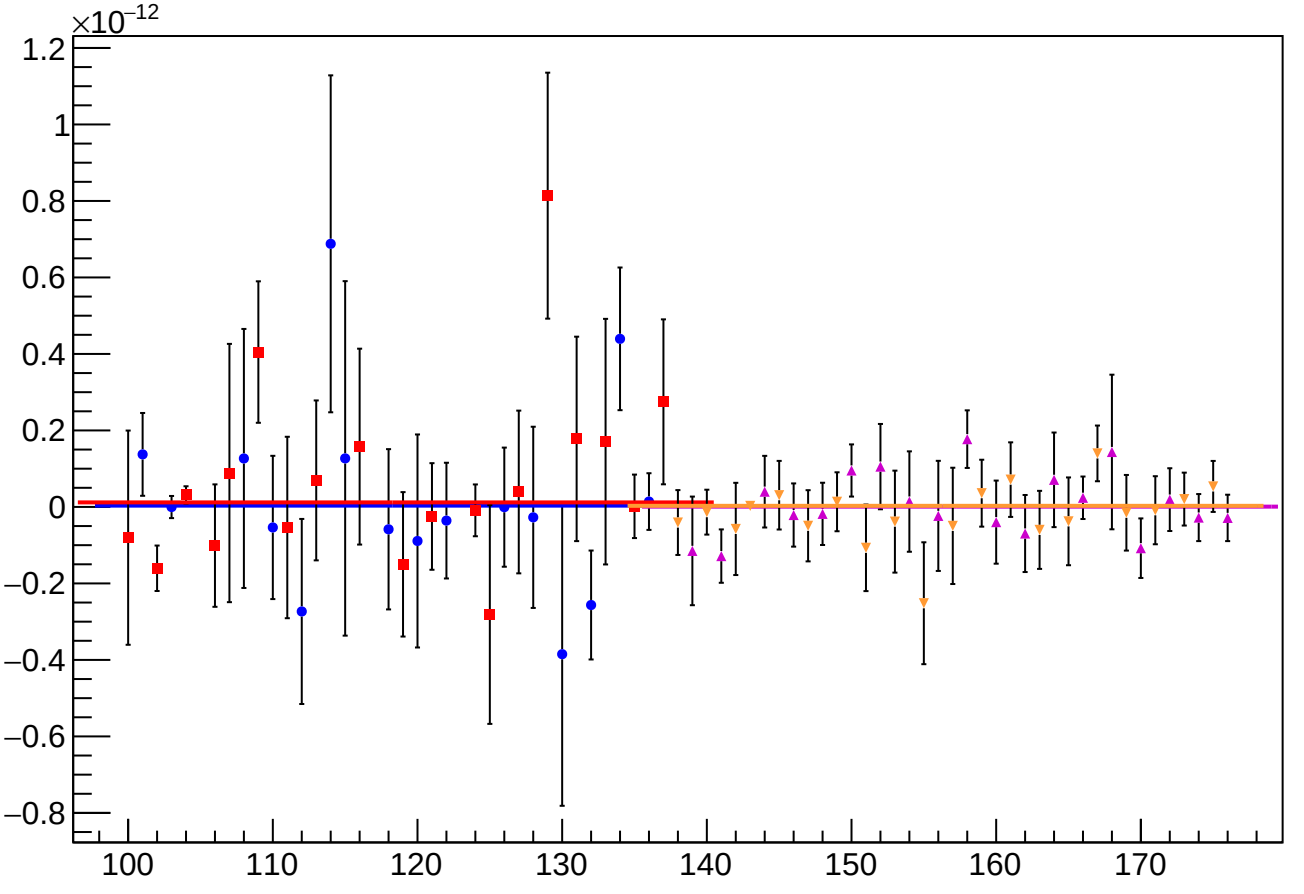
Left In: 314.140+/-0.060 χ^2/NDF:2230878.0/18

+ sign 197.978+/-0.034 χ^2/NDF: 9999467.2/35

All: 193.593+/-0.024 χ^2/NDF: 20845166.4/73

- sign 189.410+/-0.033 χ^2/NDF: 10813147.2/37

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

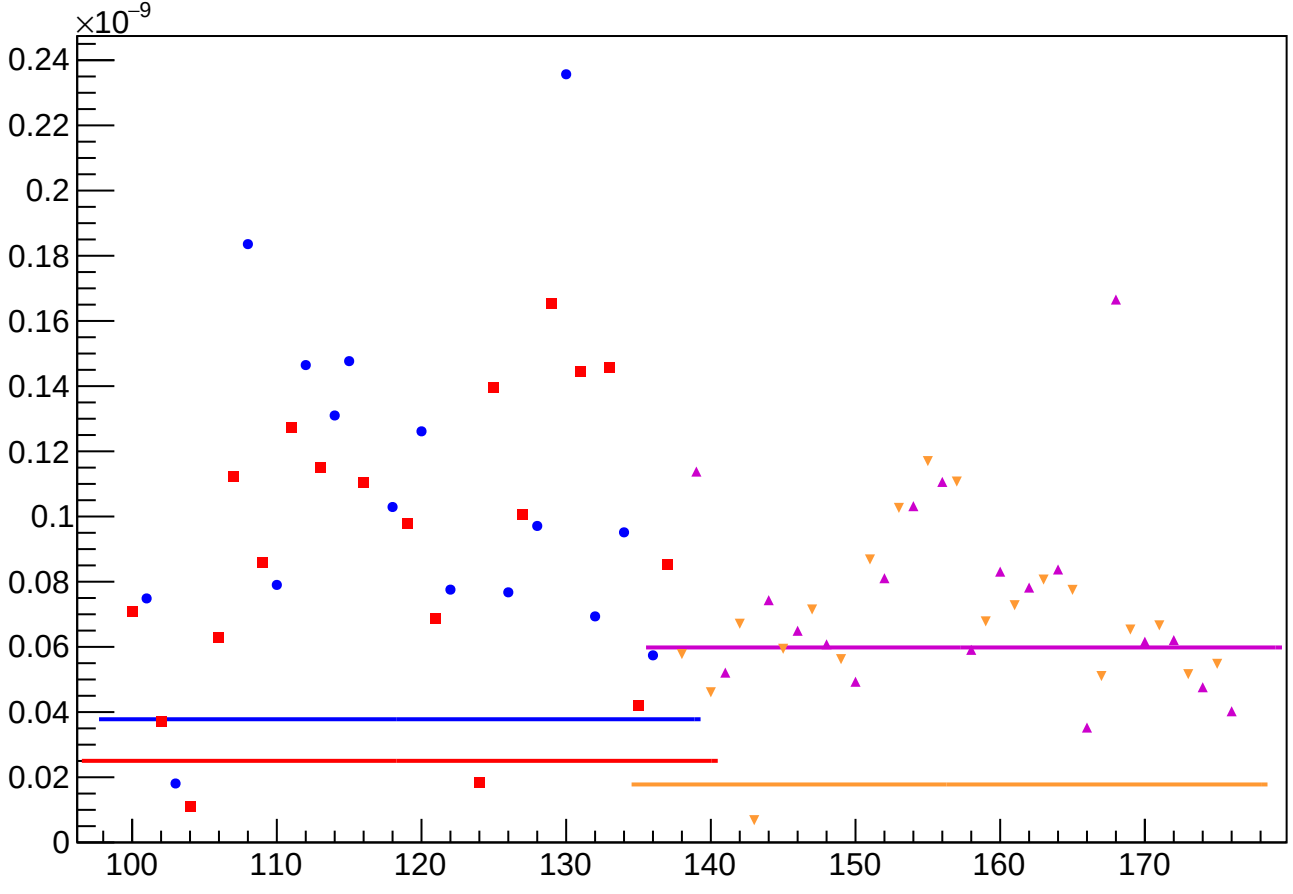
Left In: 0.000+/-0.000 χ^2/NDF:16.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 25.7/35

All: 0.000+/-0.000 χ^2/NDF: 67.9/73

- sign 0.000+/-0.000 χ^2/NDF: 42.1/37

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13463477.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

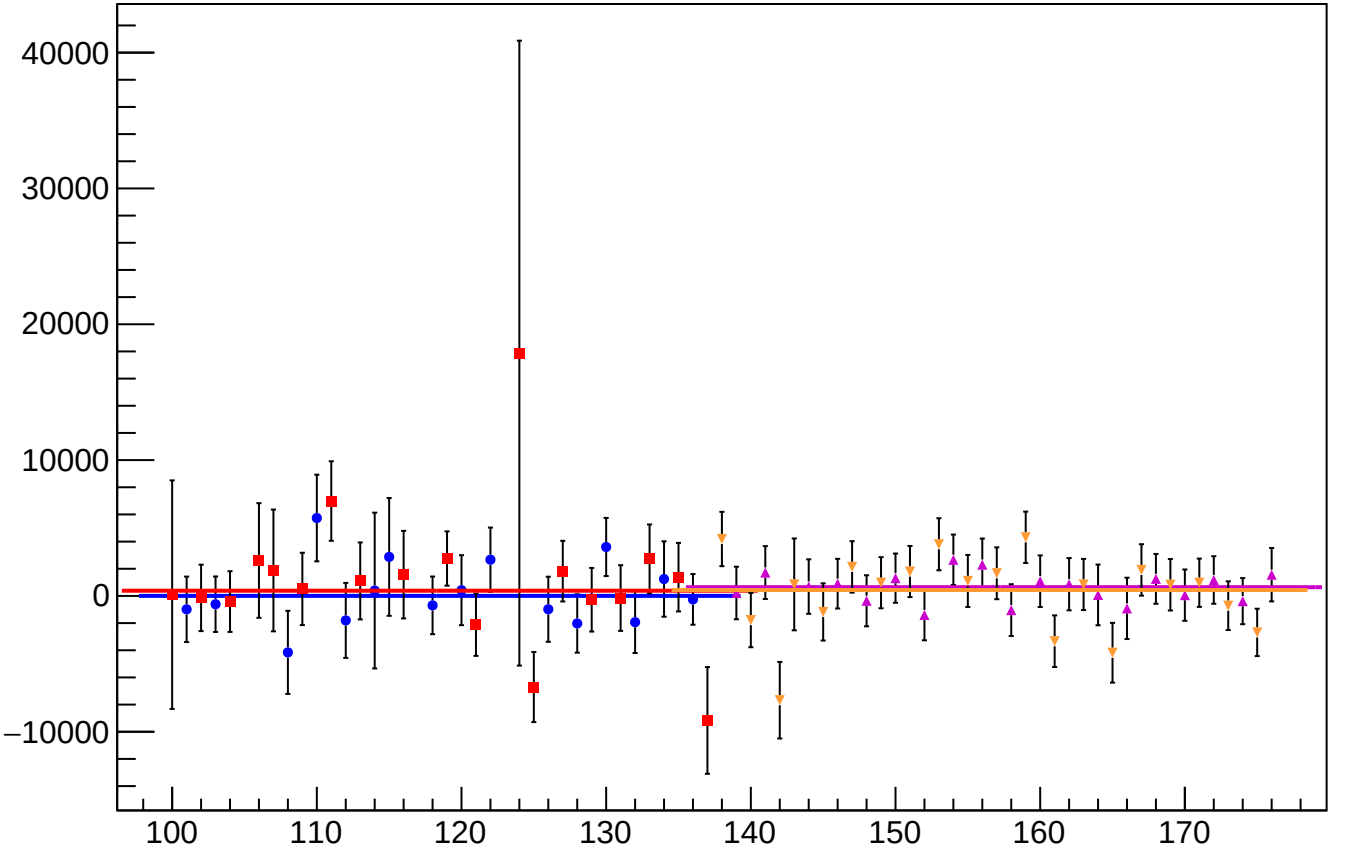
Left In: 0.000+/-0.000 χ^2/NDF:2428815.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 18631144.9/35

All: 0.000+/-0.000 χ^2/NDF: 32838162.9/73

- sign 0.000+/-0.000 χ^2/NDF: 10513236.1/37

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 434.501+/-440.084 χ^2/NDF:35.6/19

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

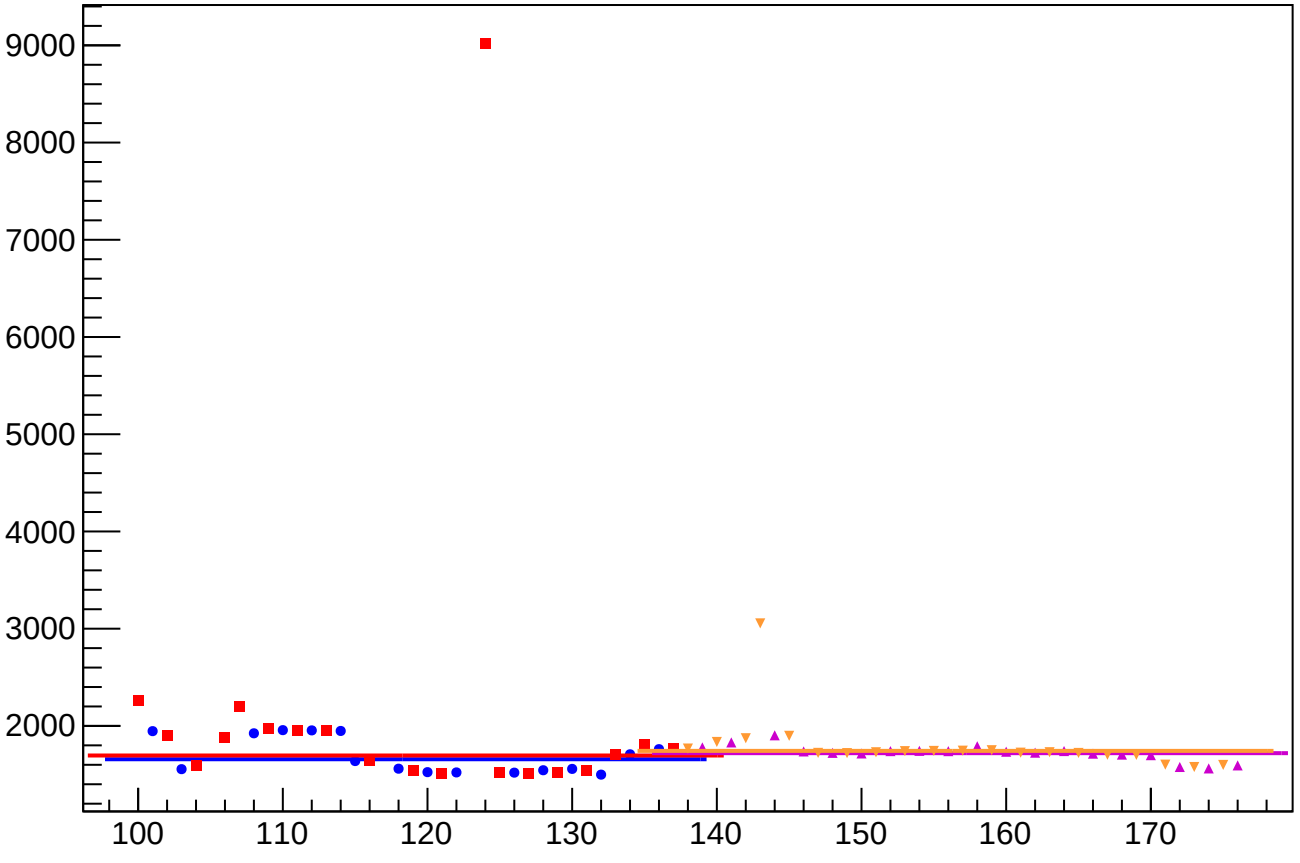
Left In: 643.909+/-436.732 χ^2/NDF:6.2/18

+ sign 290.365+/-358.850 χ^2/NDF: 48.4/35

All: 425.128+/-254.010 χ^2/NDF: 79.1/73

- sign 560.454+/-359.600 χ^2/NDF: 30.4/37

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1743.206+/-0.311 χ^2/NDF:367029.7/19

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

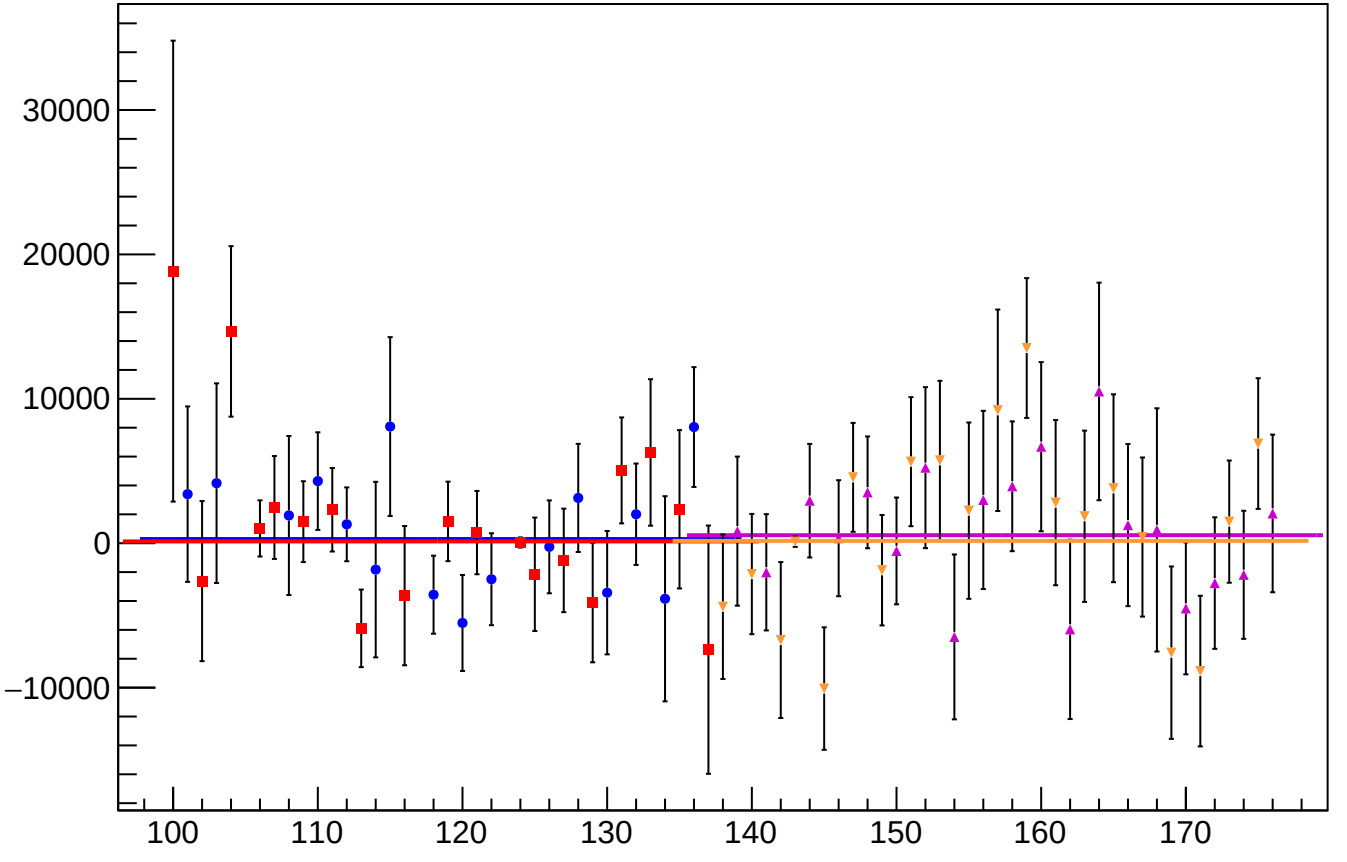
Left In: 1719.684+/-0.309 χ^2/NDF:68044.1/18

+ sign 1714.358+/-0.254 χ^2/NDF: 536657.5/35

All: 1713.128+/-0.179 χ^2/NDF: 992927.8/73

- sign 1711.896+/-0.254 χ^2/NDF: 456223.3/37

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 163.795+/-346.548 χ^2/NDF:29.8/19

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

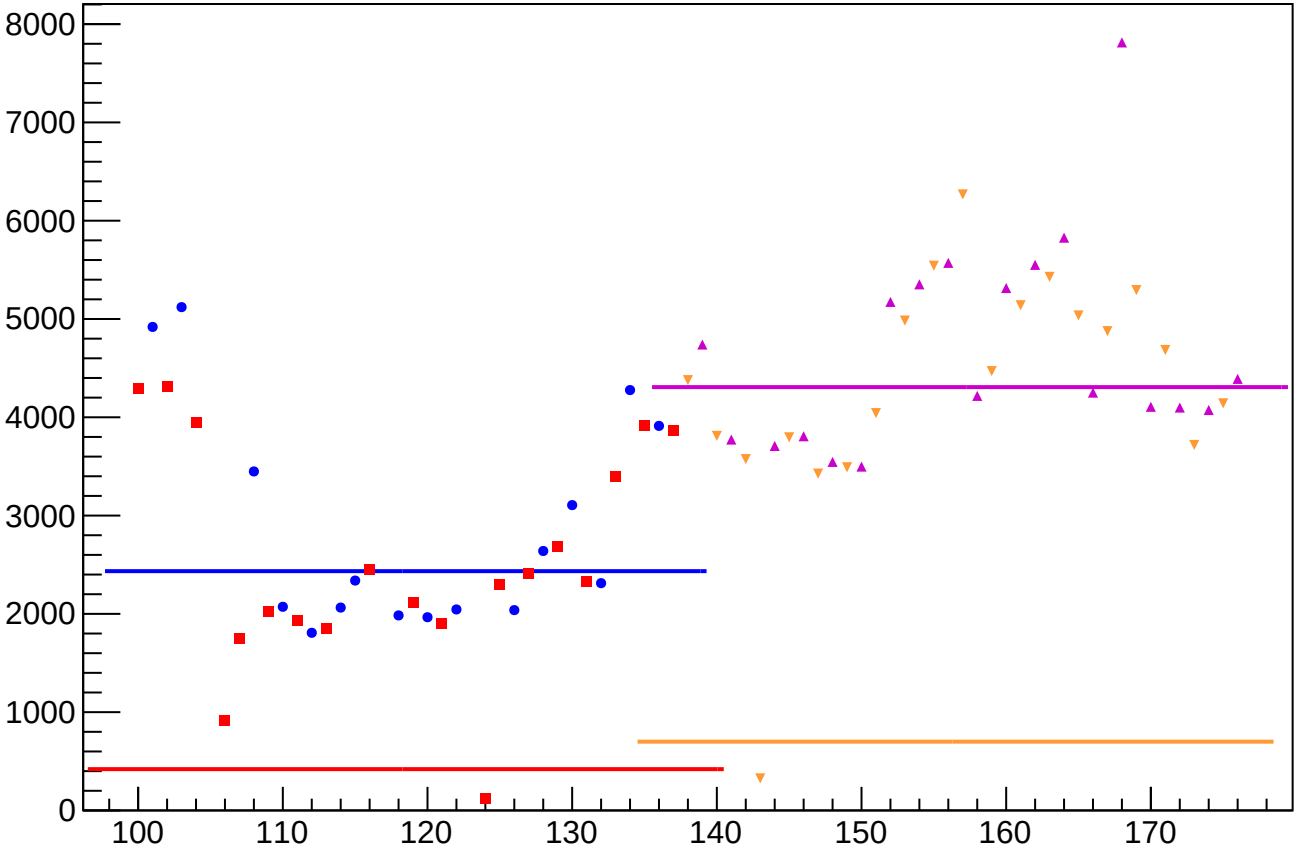
Left In: 555.157+/-1115.647 χ^2/NDF:10.6/18

+ sign 178.231+/-326.002 χ^2/NDF: 45.0/35

All: 168.130+/-224.986 χ^2/NDF: 76.6/73

- sign 158.944+/-310.892 χ^2/NDF: 31.6/37

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 699.992+/-0.245 χ^2/NDF:23162262.0/19

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

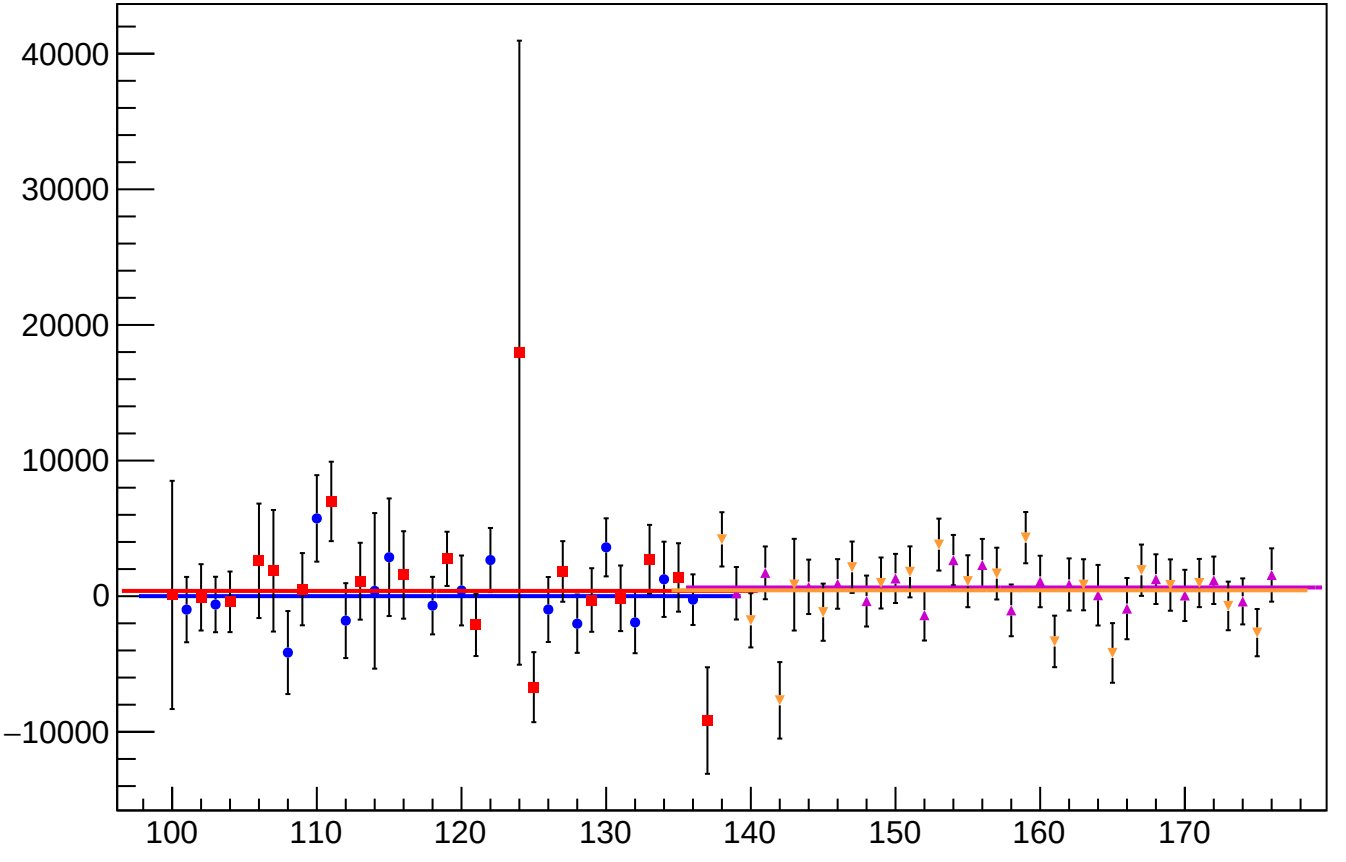
Left In: 4307.065+/-0.789 χ^2/NDF:1081489.5/18

+ sign 899.577+/-0.231 χ^2/NDF: 30385415.7/35

All: 806.639+/-0.159 χ^2/NDF: 65230964.1/73

- sign 722.116+/-0.220 χ^2/NDF: 34535173.3/37

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 434.460+/-440.084 χ^2/NDF:35.7/19

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

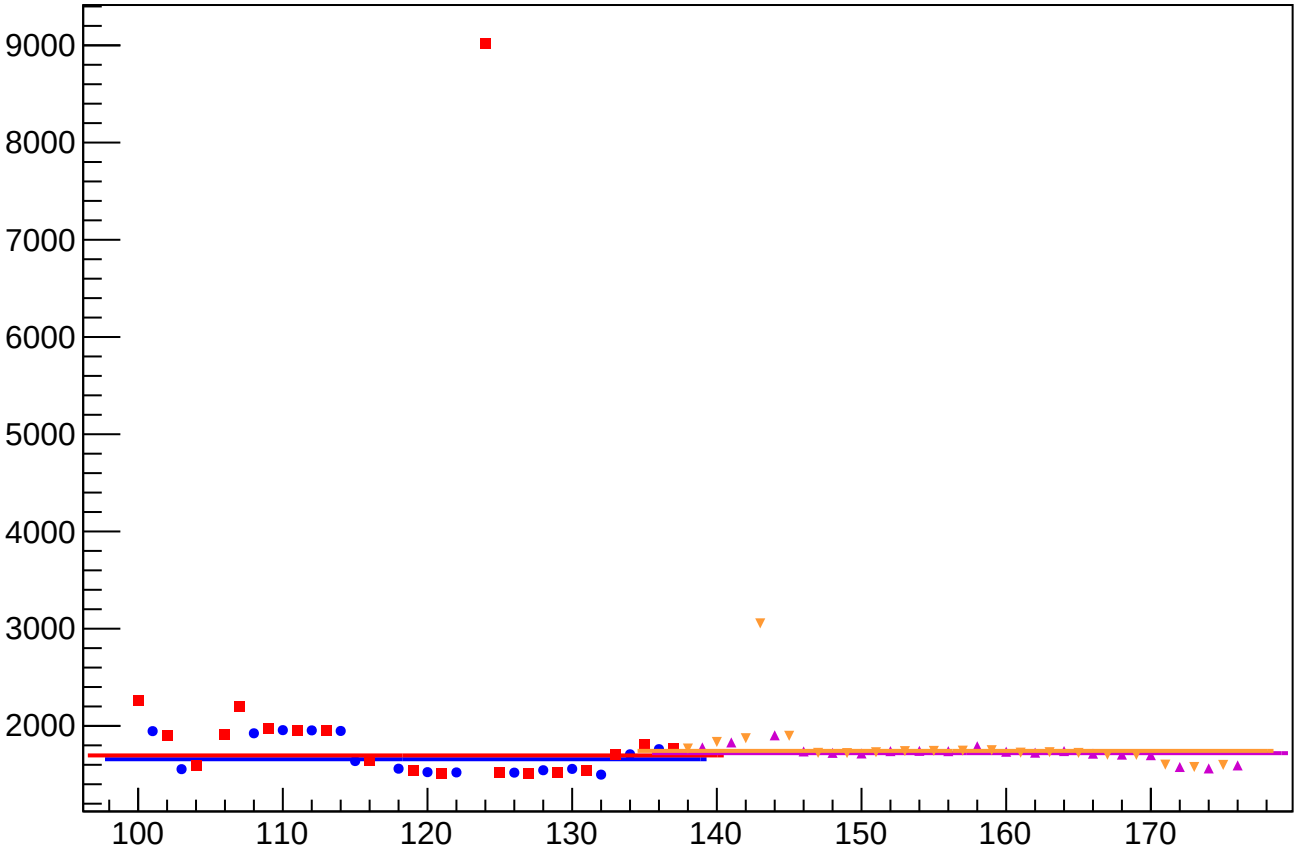
Left In: 643.893+/-436.732 χ^2/NDF:6.2/18

\+ sign 290.311+/-358.850 χ^2/NDF: 48.4/35

All: 425.786+/-254.011 χ^2/NDF: 79.0/73

\- sign 561.828+/-359.601 χ^2/NDF: 30.3/37

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1743.206+/-0.311 χ^2/NDF:367029.7/19

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

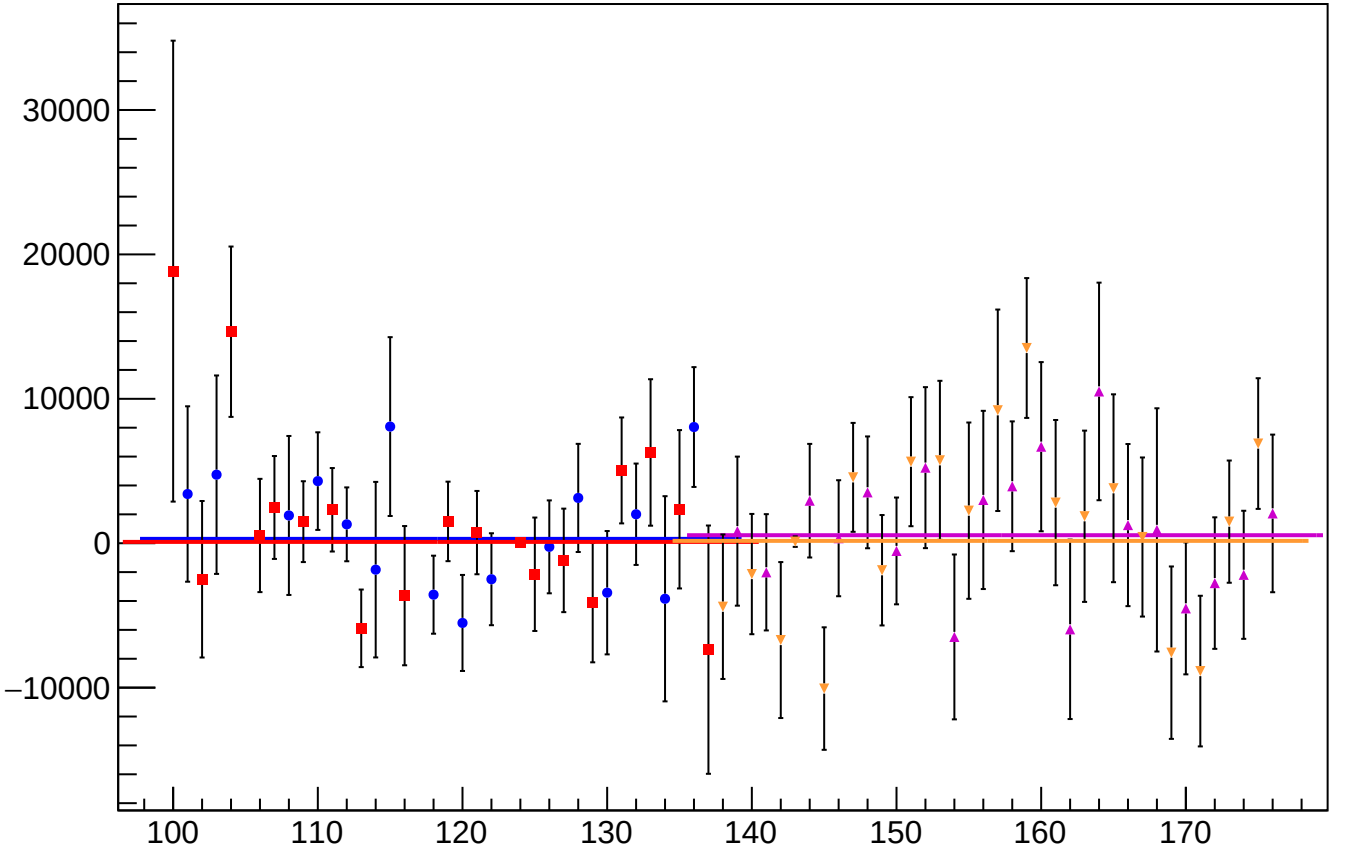
Left In: 1719.684+/-0.309 χ^2/NDF:68044.1/18

\+ sign 1714.358+/-0.254 χ^2/NDF: 536657.6/35

All: 1713.259+/-0.179 χ^2/NDF: 994548.1/73

\- sign 1712.158+/-0.254 χ^2/NDF: 457852.9/37

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 164.217+/-346.523 χ^2/NDF:29.8/19

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

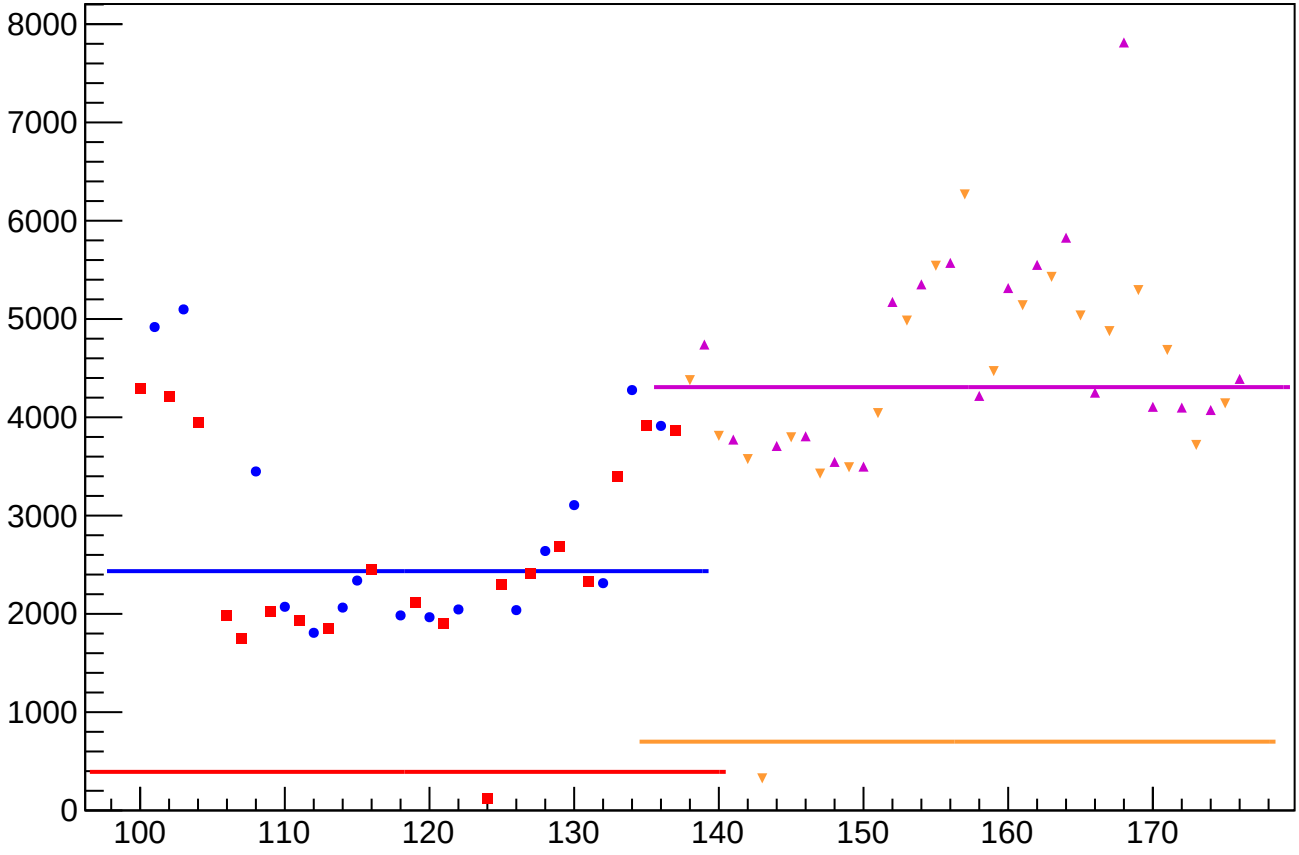
Left In: 555.186+/-1115.646 χ^2/NDF:10.6/18

+ sign 180.053+/-325.977 χ^2/NDF: 45.1/35

All: 151.436+/-222.255 χ^2/NDF: 76.5/73

- sign 126.576+/-303.823 χ^2/NDF: 31.4/37

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 699.912+/-0.245 χ^2/NDF:23162913.0/19

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

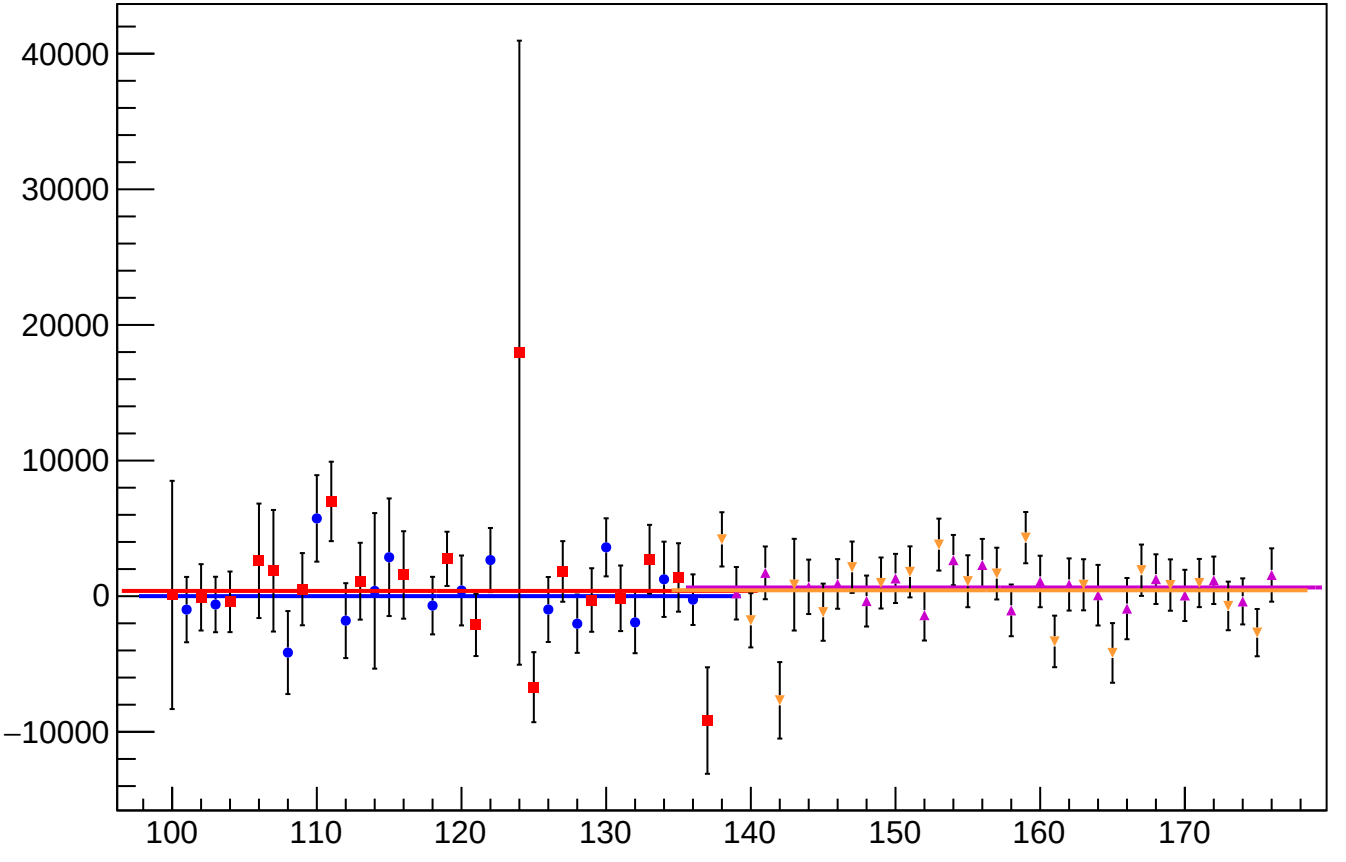
Left In: 4307.060+/-0.789 χ^2/NDF:1081481.0/18

+ sign 899.544+/-0.231 χ^2/NDF: 30387354.9/35

All: 783.648+/-0.157 χ^2/NDF: 66144344.3/73

- sign 682.970+/-0.215 χ^2/NDF: 35284566.0/37

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 434.460+/-440.084 χ^2/NDF:35.7/19

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

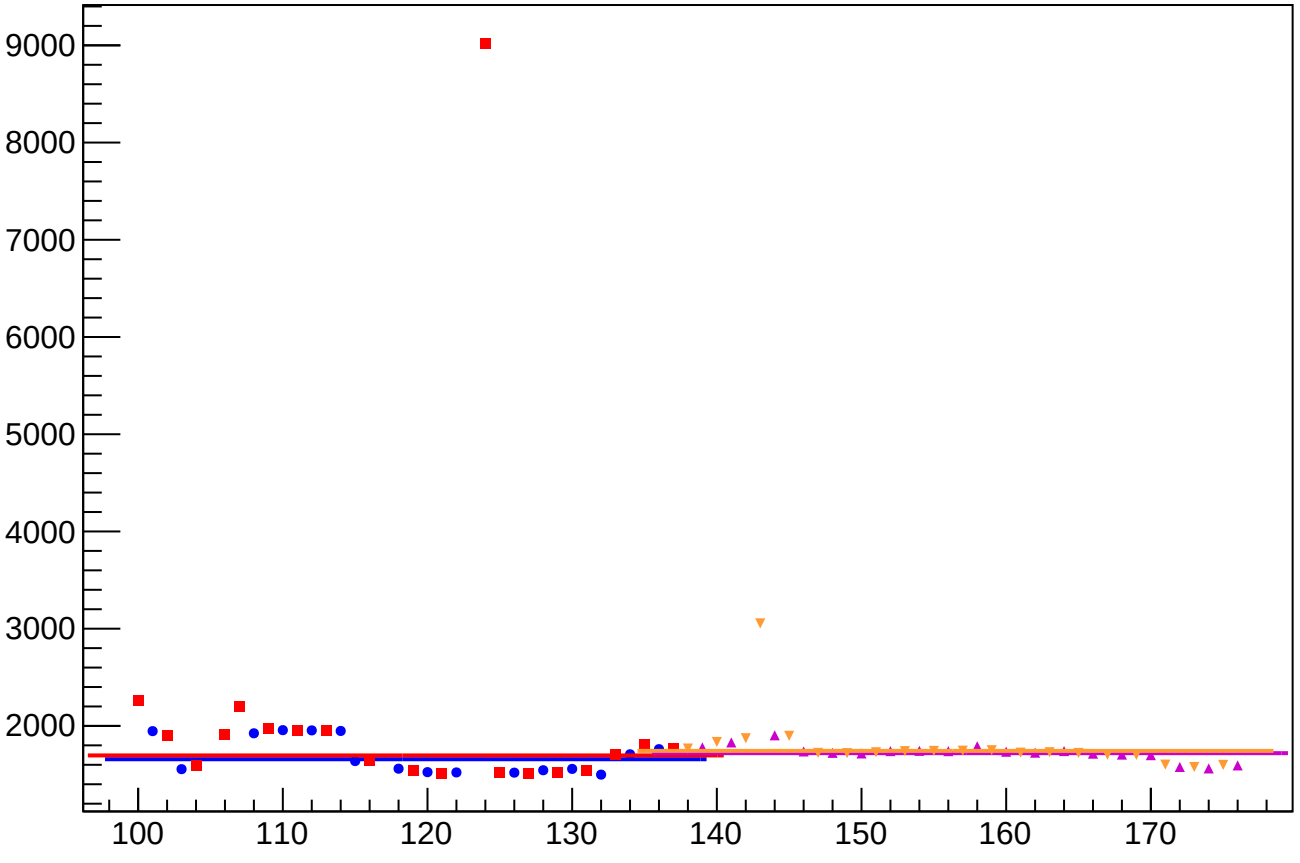
Left In: 643.893+/-436.732 χ^2/NDF:6.2/18

\+ sign 290.311+/-358.850 χ^2/NDF: 48.4/35

All: 425.786+/-254.011 χ^2/NDF: 79.0/73

\- sign 561.828+/-359.601 χ^2/NDF: 30.3/37

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1743.206+/-0.311 χ^2/NDF:367029.7/19

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

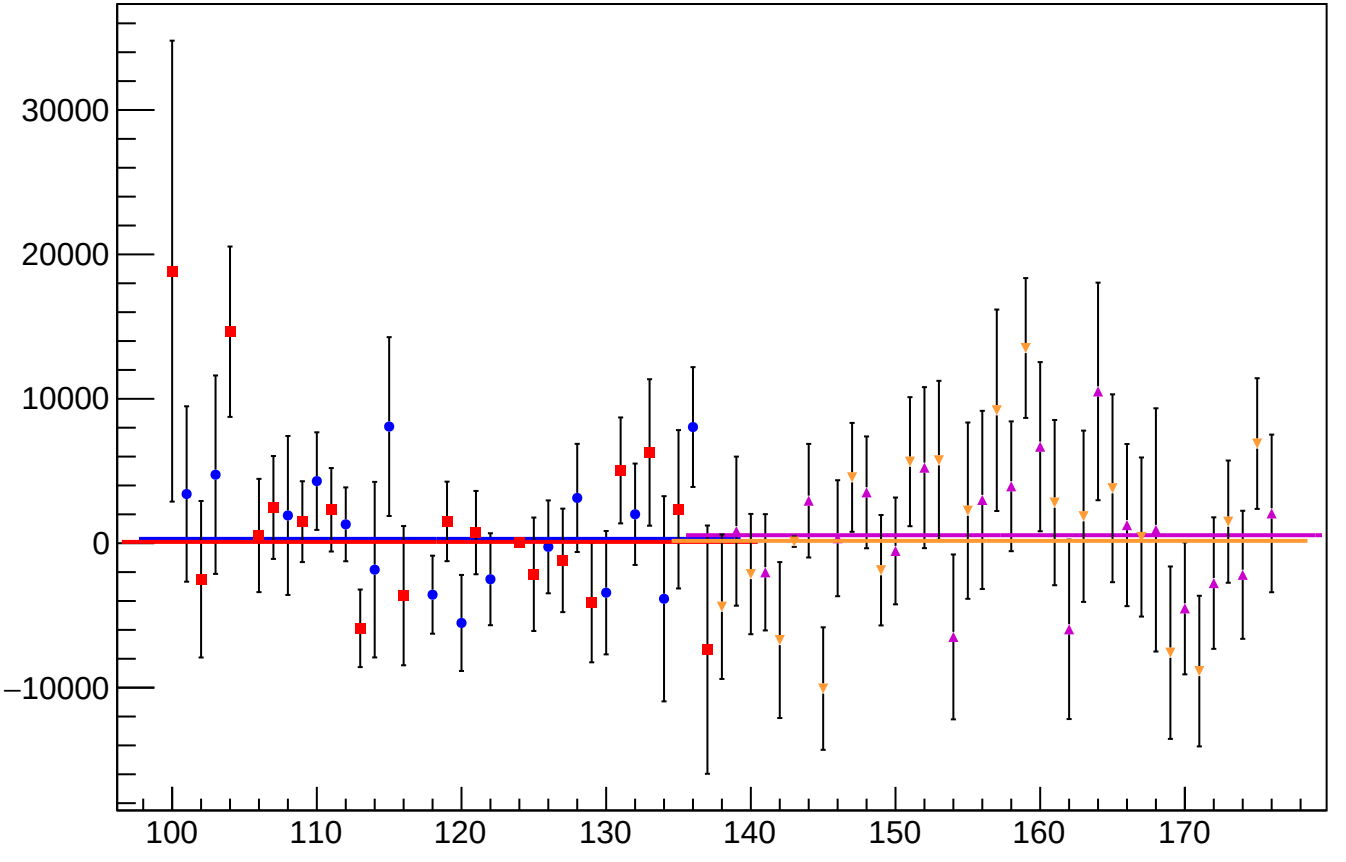
Left In: 1719.684+/-0.309 χ^2/NDF:68044.1/18

\+ sign 1714.358+/-0.254 χ^2/NDF: 536657.6/35

All: 1713.259+/-0.179 χ^2/NDF: 994548.1/73

\- sign 1712.158+/-0.254 χ^2/NDF: 457852.9/37

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 164.217+/-346.523 χ^2/NDF:29.8/19

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

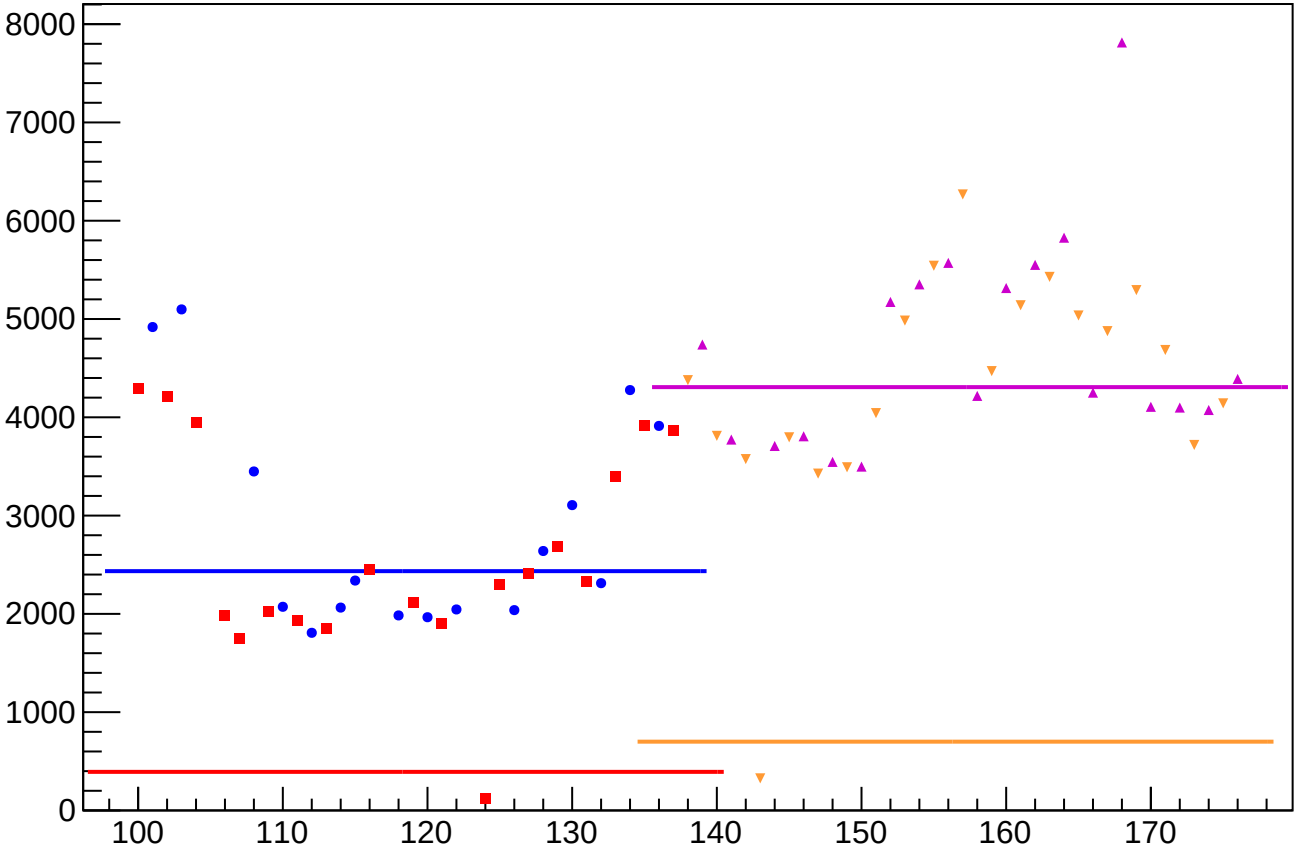
Left In: 555.186+/-1115.646 χ^2/NDF:10.6/18

+ sign 180.053+/-325.977 χ^2/NDF: 45.1/35

All: 151.436+/-222.255 χ^2/NDF: 76.5/73

- sign 126.576+/-303.823 χ^2/NDF: 31.4/37

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 699.912+/-0.245 χ^2/NDF:23162913.0/19

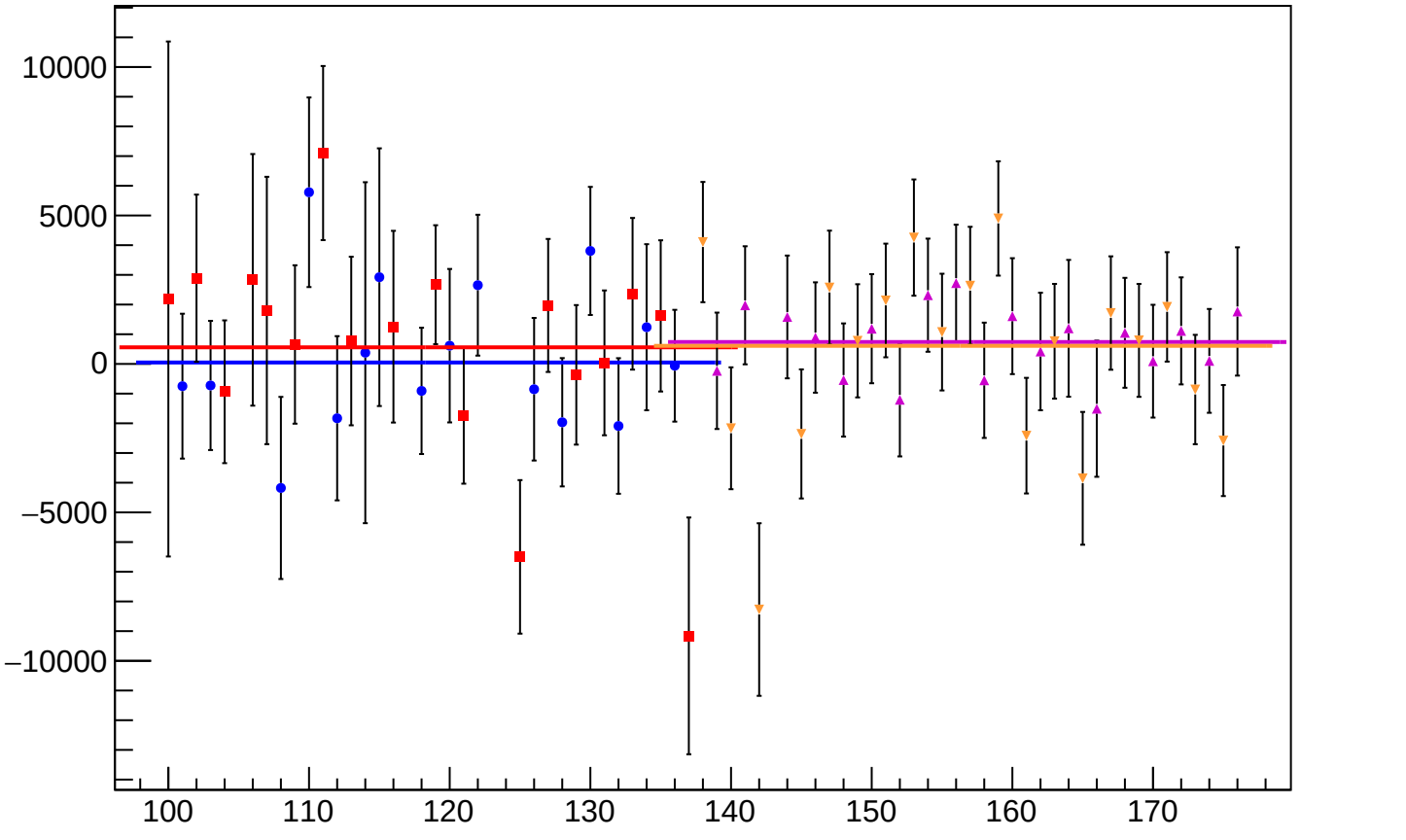
Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4307.060+/-0.789 χ^2/NDF:1081481.0/18

+ sign 899.544+/-0.231 χ^2/NDF: 30387354.9/35

All: 783.648+/-0.157 χ^2/NDF: 66144344.3/73

- sign 682.970+/-0.215 χ^2/NDF: 35284566.0/37



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 609.319+/-454.897 χ^2/NDF:38.0/18

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

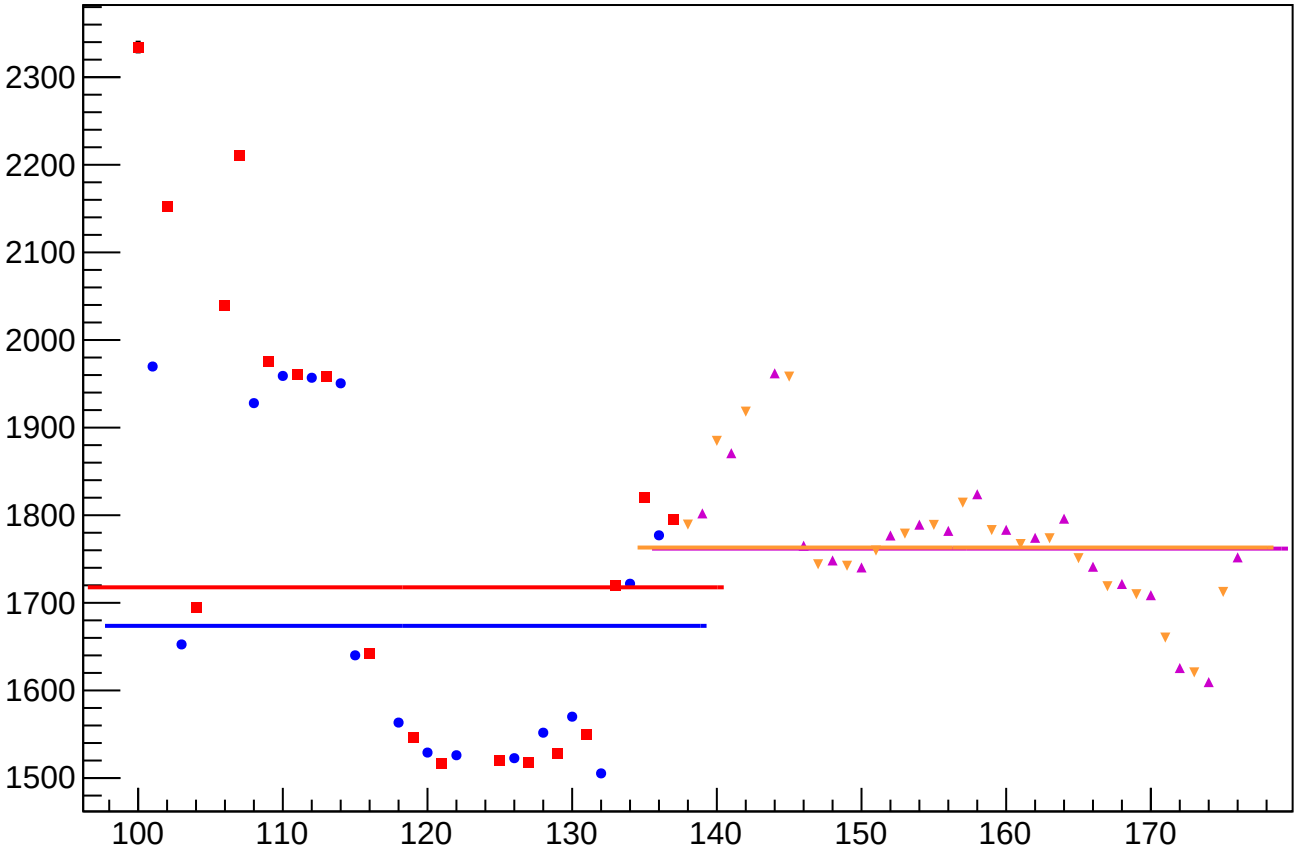
Left In: 738.272+/-447.397 χ^2/NDF:6.3/18

\+ sign 415.518+/-368.027 χ^2/NDF: 51.4/34

All: 548.021+/-260.108 χ^2/NDF: 81.2/71

\- sign 680.266+/-367.671 χ^2/NDF: 29.6/36

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1763.129+/-0.322 χ^2/NDF:54085.4/18

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

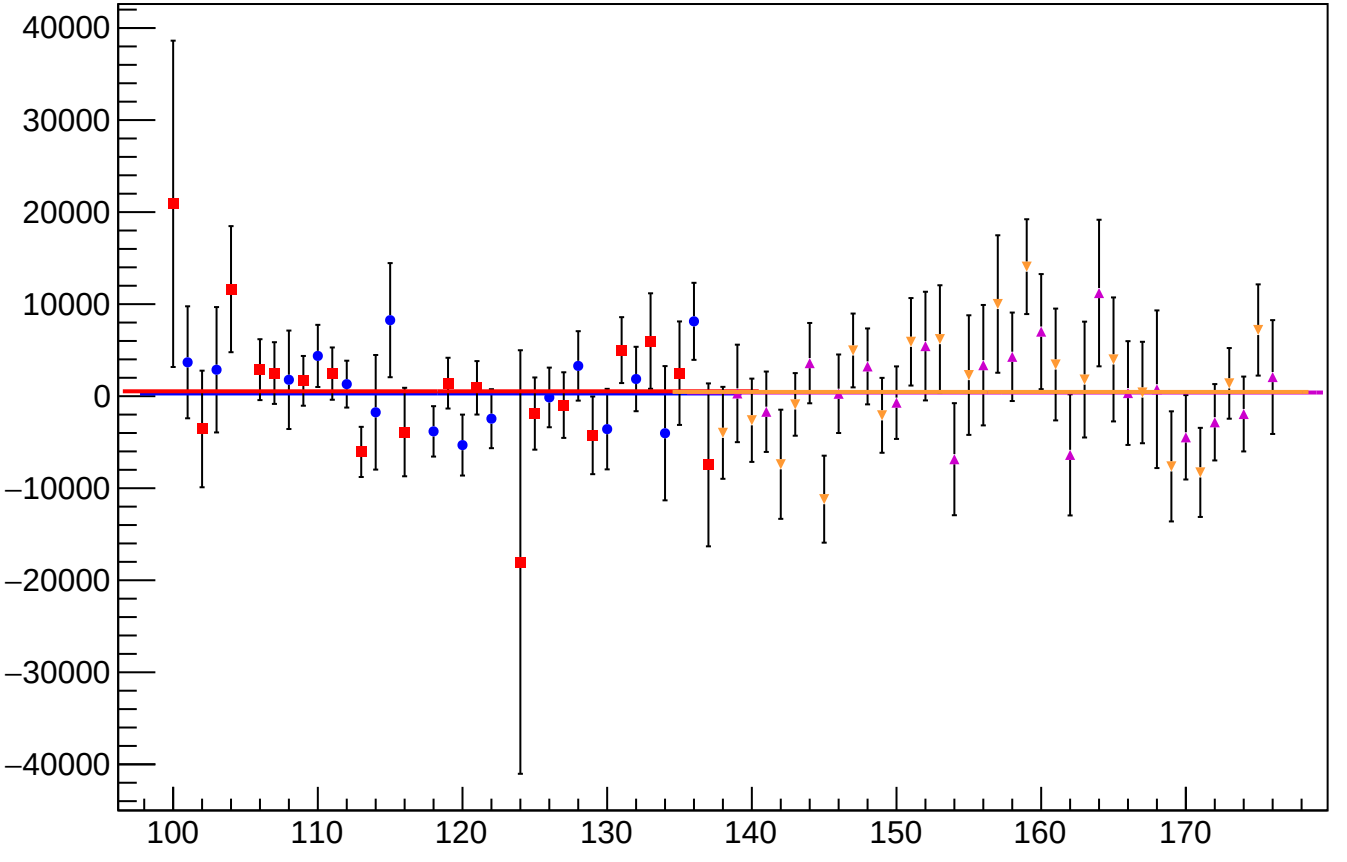
Left In: 1761.889+/-0.316 χ^2/NDF:58838.1/18

+ sign 1732.244+/-0.260 χ^2/NDF: 221644.4/34

All: 1739.887+/-0.184 χ^2/NDF: 516196.4/71

- sign 1747.503+/-0.260 χ^2/NDF: 292830.2/36

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 462.629+/-1110.883 χ^2/NDF:29.4/19

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

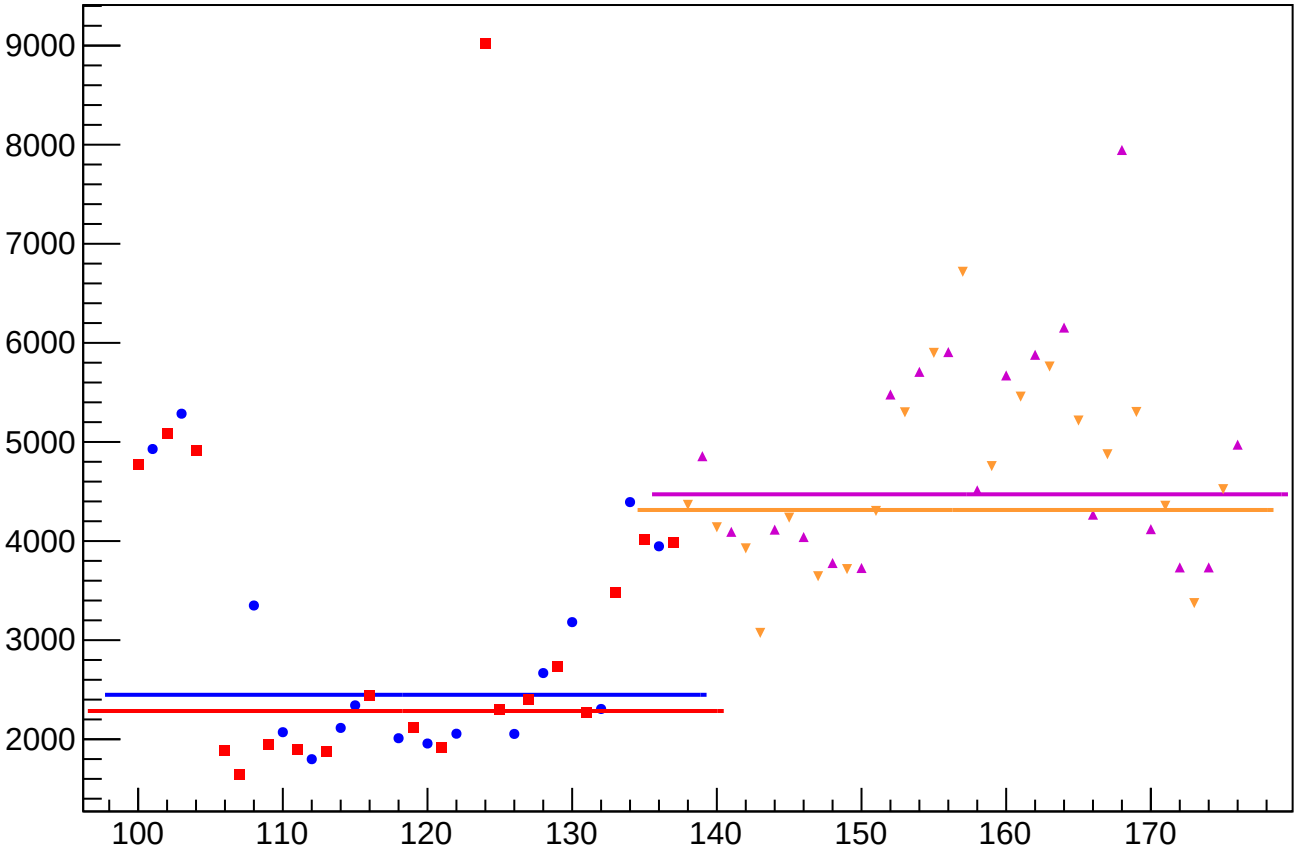
Left In: 397.931+/-1160.224 χ^2/NDF:10.5/18

\+ sign 367.929+/-728.375 χ^2/NDF: 44.7/35

All: 427.042+/-505.881 χ^2/NDF: 74.0/73

\- sign 482.130+/-703.140 χ^2/NDF: 29.3/37

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4313.696+/-0.786 χ^2/NDF:1186218.4/19

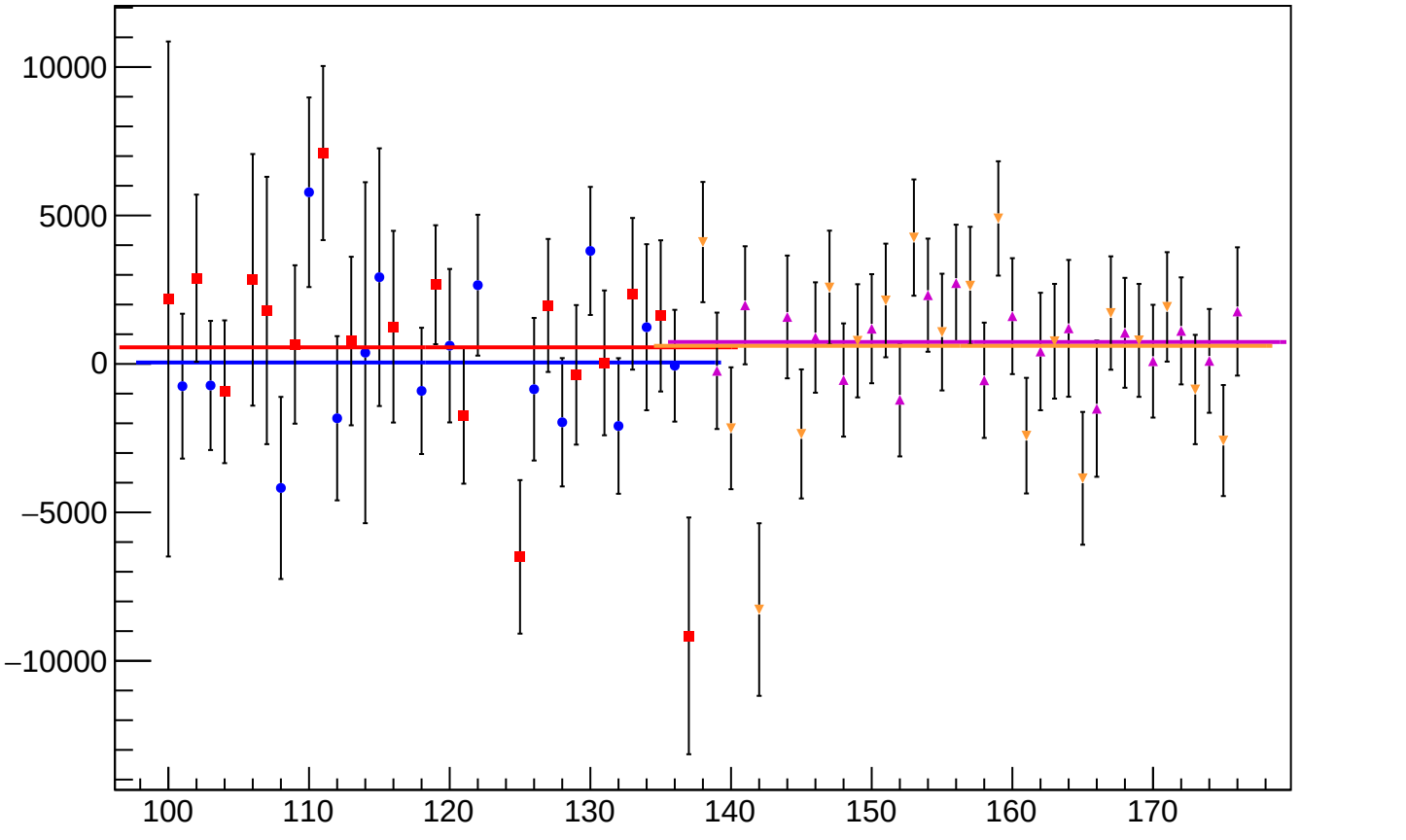
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4471.817+/-0.820 χ^2/NDF:1164352.1/18

+ sign 3250.415+/-0.515 χ^2/NDF: 5917780.3/35

All: 3166.463+/-0.358 χ^2/NDF: 13177507.9/7

- sign 3088.227+/-0.497 χ^2/NDF: 7208397.5/37



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 609.320+/-454.897 χ^2/NDF:38.0/18

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

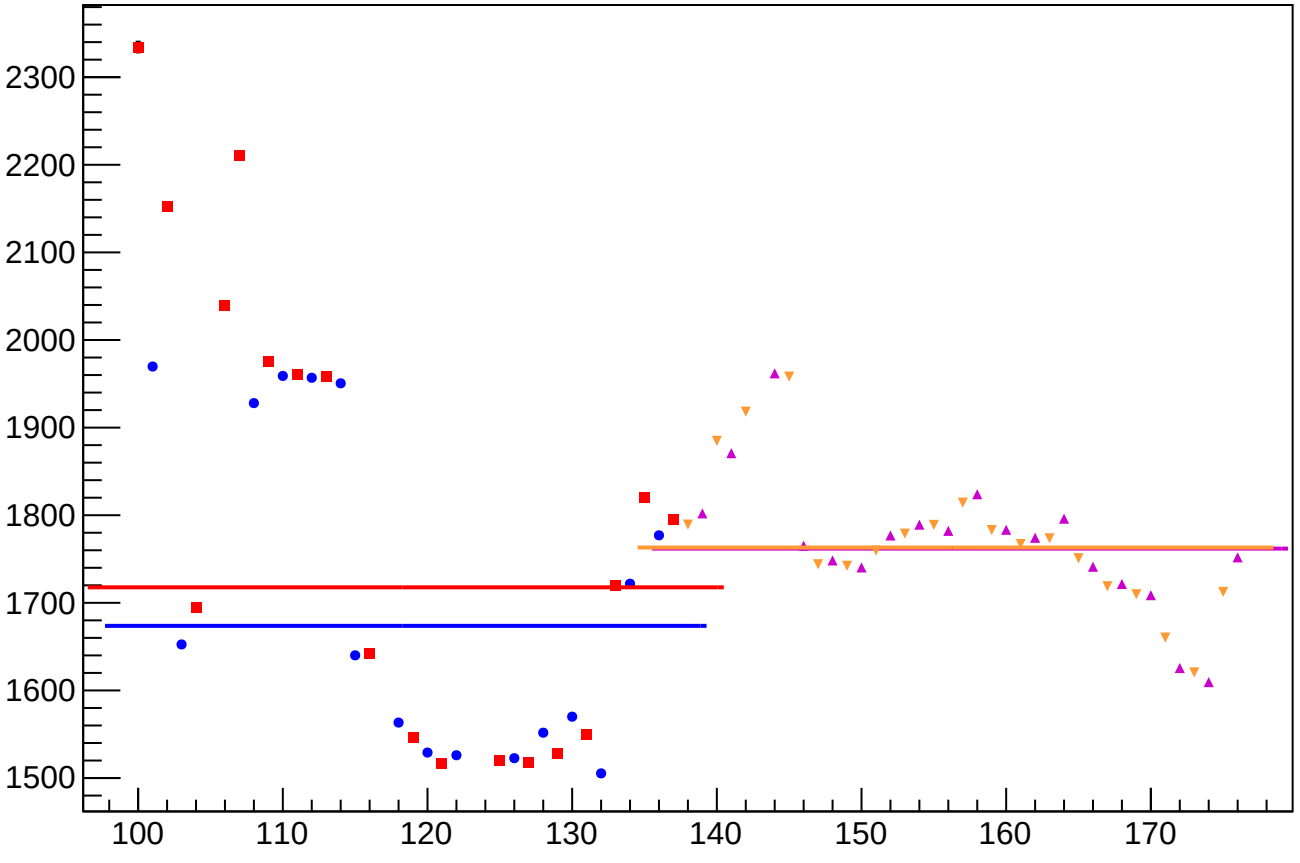
Left In: 738.272+/-447.397 χ^2/NDF:6.3/18

\+ sign 415.518+/-368.027 χ^2/NDF: 51.4/34

All: 548.021+/-260.109 χ^2/NDF: 81.2/71

\- sign 680.267+/-367.671 χ^2/NDF: 29.6/36

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1763.129+/-0.322 χ^2/NDF:54087.2/18

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

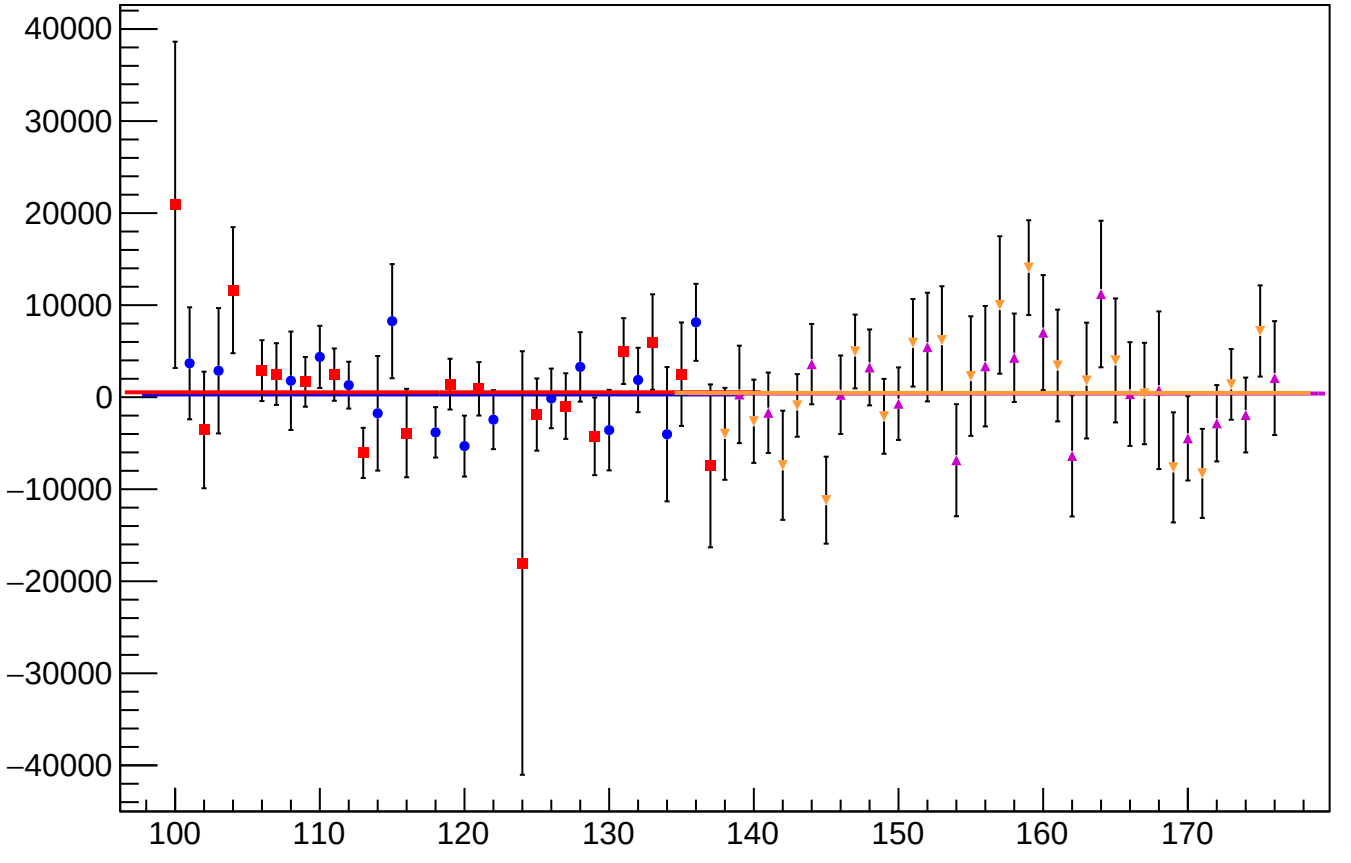
Left In: 1761.890+/-0.316 χ^2/NDF:58839.8/18

+ sign 1732.244+/-0.260 χ^2/NDF: 221646.6/34

All: 1739.887+/-0.184 χ^2/NDF: 516199.9/71

- sign 1747.503+/-0.260 χ^2/NDF: 292831.3/36

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 462.633+/-1110.885 χ^2/NDF:29.4/19

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

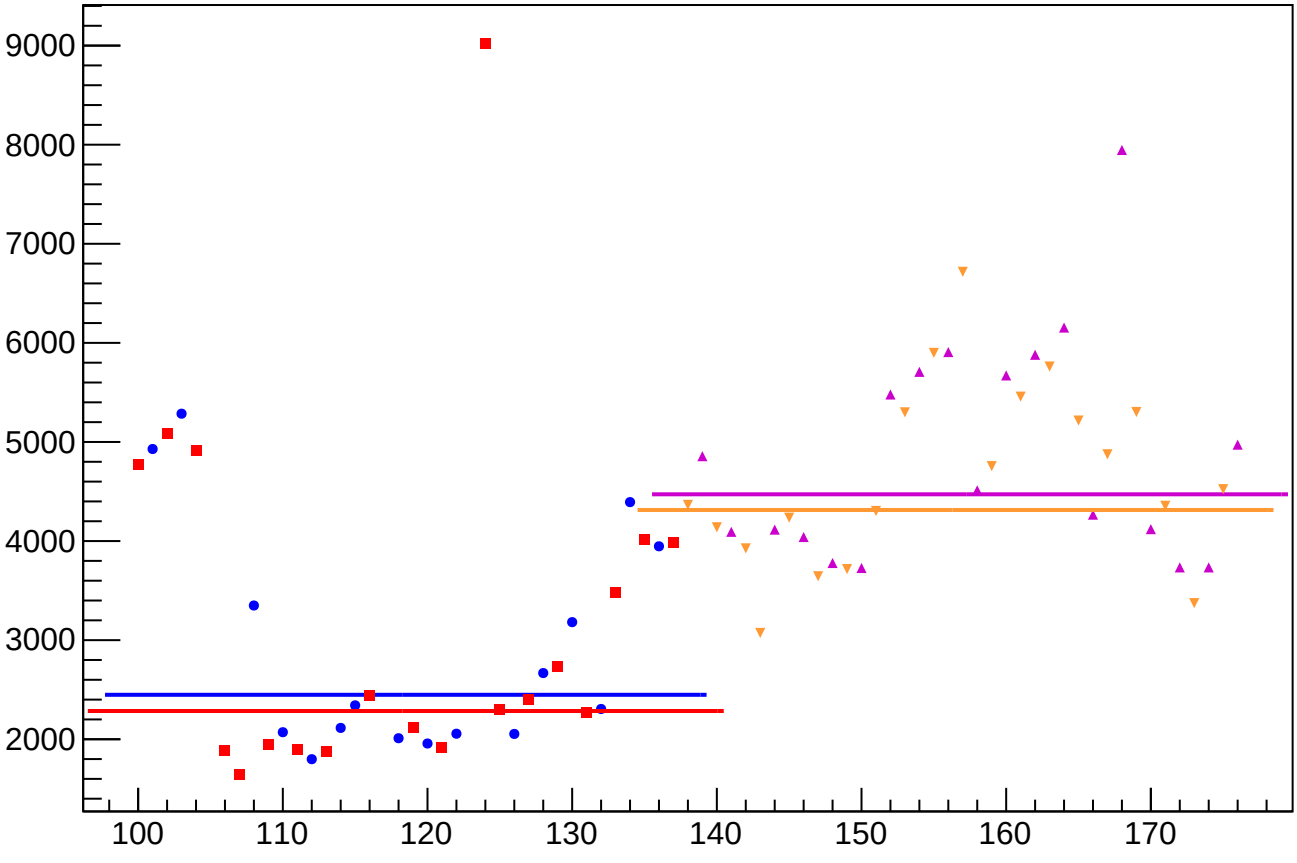
Left In: 397.931+/-1160.225 χ^2/NDF:10.5/18

\+ sign 367.927+/-728.374 χ^2/NDF: 44.7/35

All: 427.042+/-505.880 χ^2/NDF: 74.0/73

\- sign 482.132+/-703.139 χ^2/NDF: 29.3/37

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4313.702+/-0.786 χ^2/NDF:1186219.9/19

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

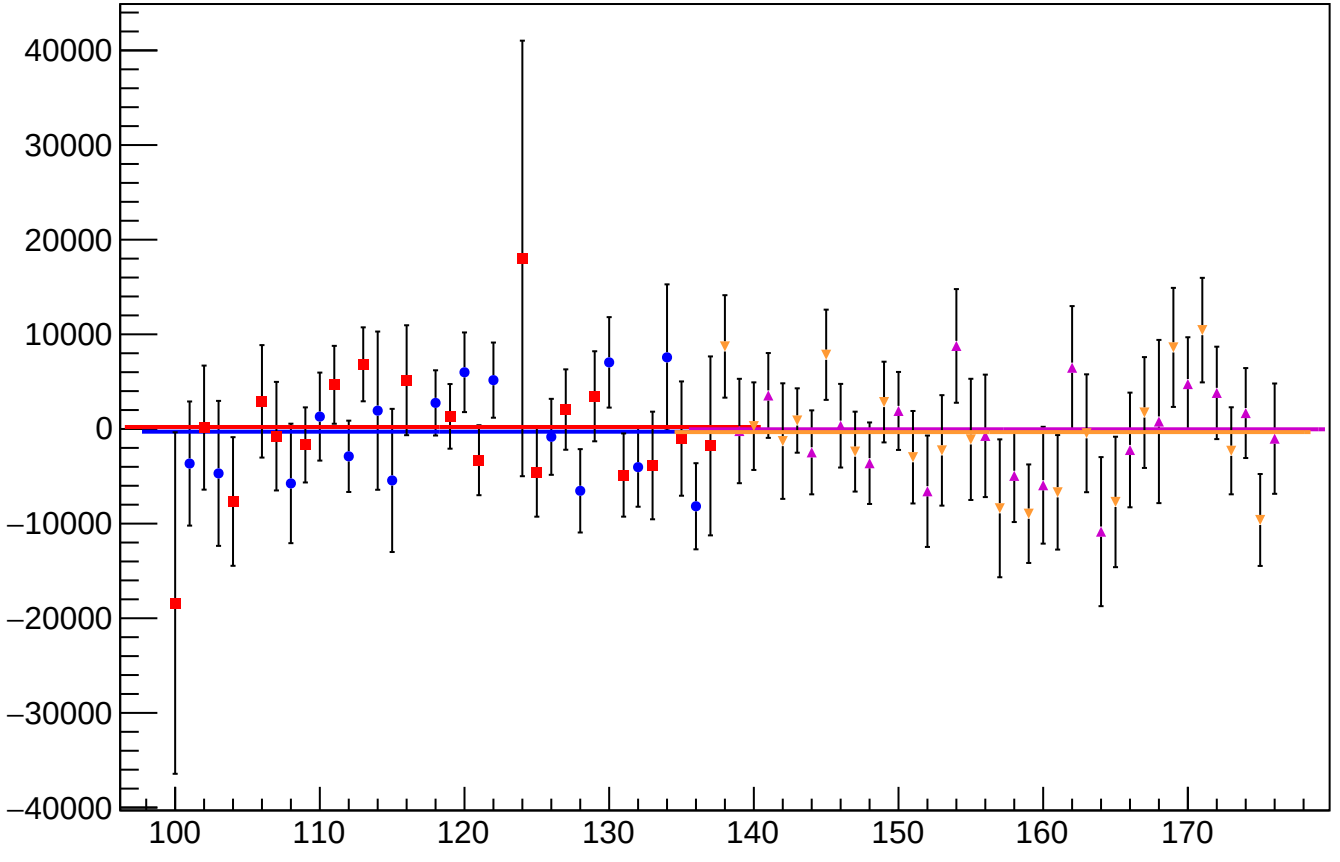
Left In: 4471.824+/-0.820 χ^2/NDF:1164352.3/18

+ sign 3250.407+/-0.515 χ^2/NDF: 5917859.9/35

All: 3166.454+/-0.358 χ^2/NDF: 13177662.6/7

- sign 3088.219+/-0.497 χ^2/NDF: 7208472.8/37

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -329.655+/-1153.474 χ^2/NDF:23.1/19

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

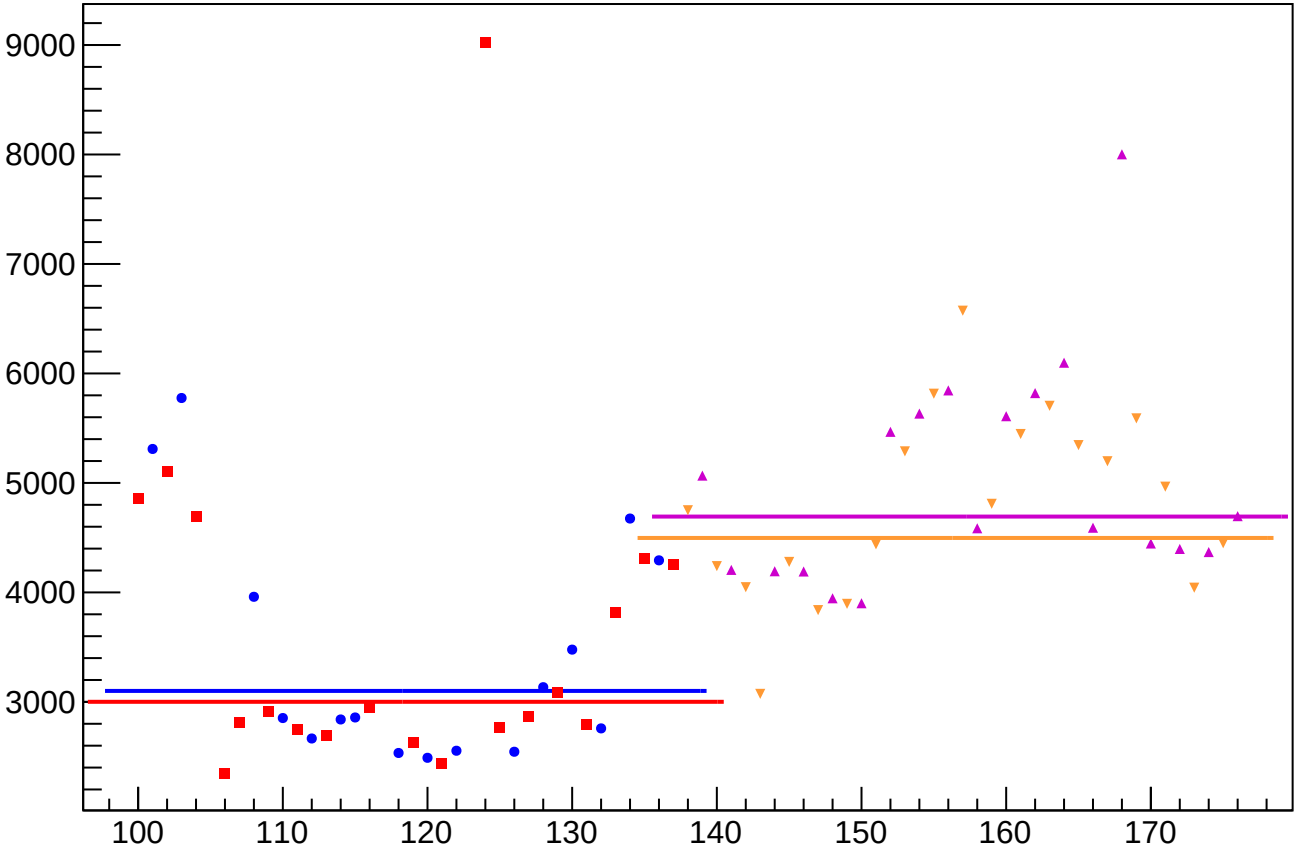
Left In: -33.376+/-1209.946 χ^2/NDF:11.9/18

+ sign -309.256+/-830.704 χ^2/NDF: 39.7/35

All: -108.753+/-588.903 χ^2/NDF: 64.6/73

- sign 93.820+/-834.981 χ^2/NDF: 24.8/37

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4497.381+/-0.816 χ^2/NDF:1033854.0/19

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

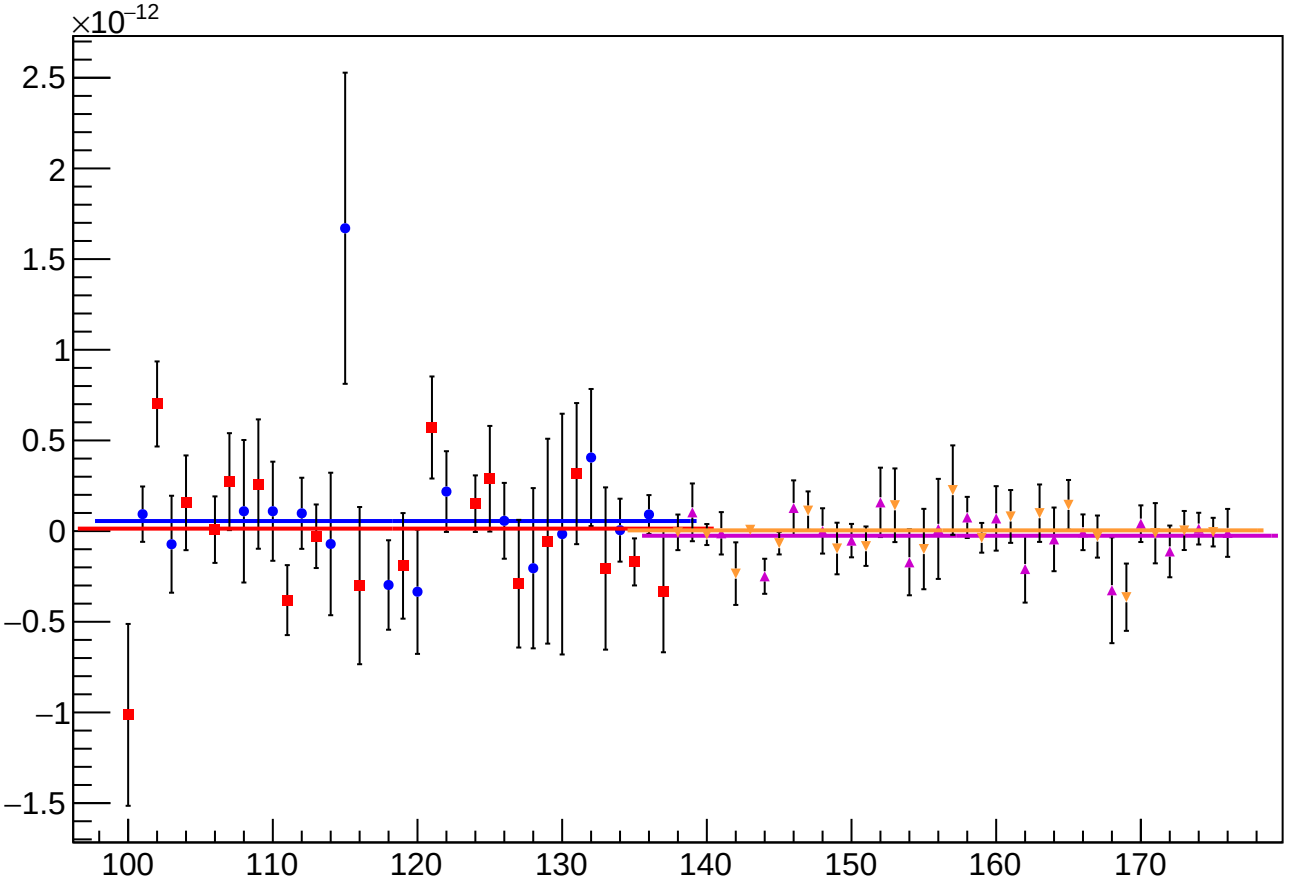
Left In: 4692.710+/-0.856 χ^2/NDF:850407.7/18

+ sign 3824.819+/-0.587 χ^2/NDF: 3410122.6/35

All: 3809.909+/-0.415 χ^2/NDF: 7143314.9/73

- sign 3795.058+/-0.586 χ^2/NDF: 3731906.2/37

asym_atl_dd_reg_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:13.2/19

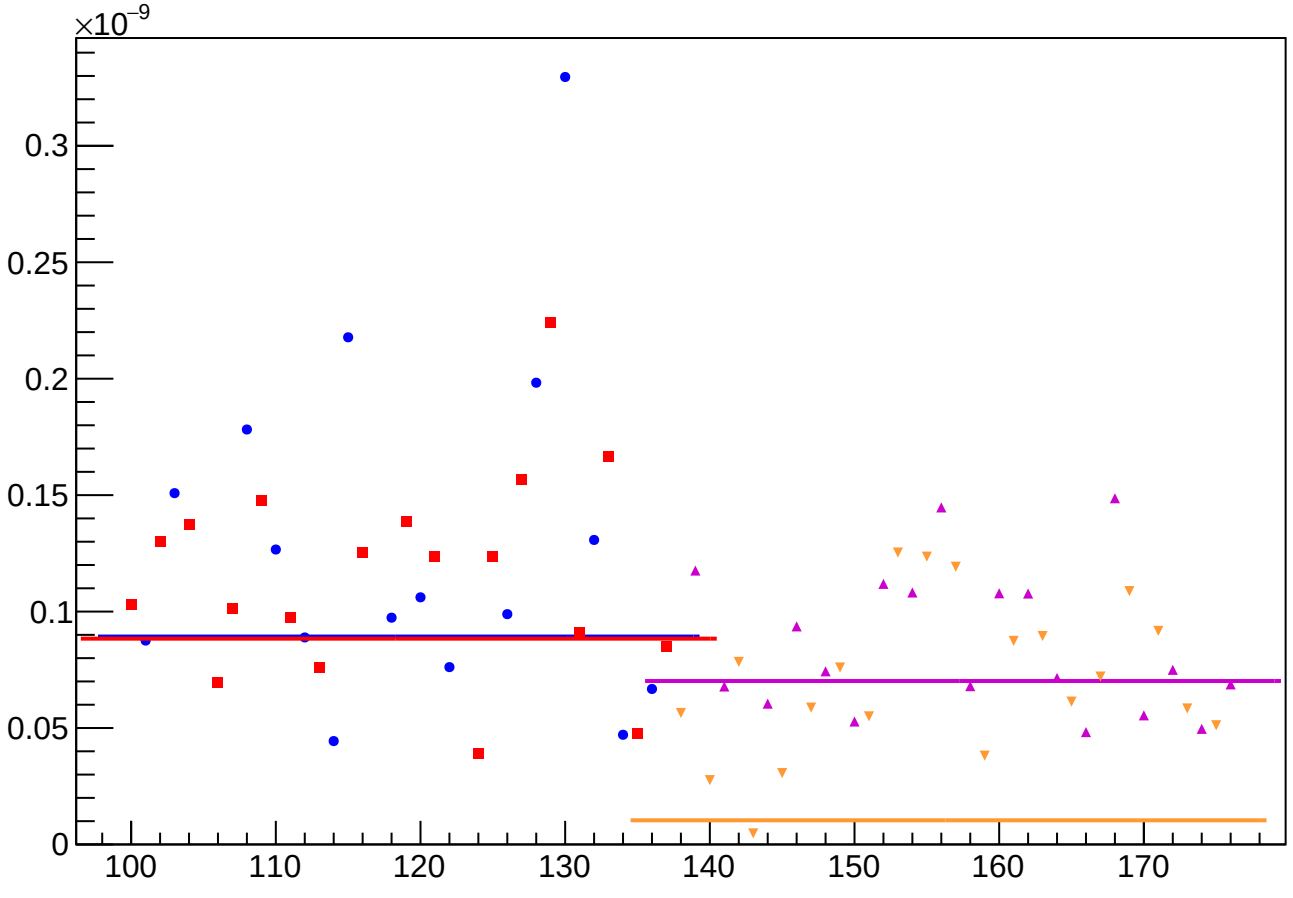
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 23.3/35

All: 0.000+/-0.000 χ^2/NDF: 67.3/73

- sign -0.000+/-0.000 χ^2/NDF: 43.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8769452.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

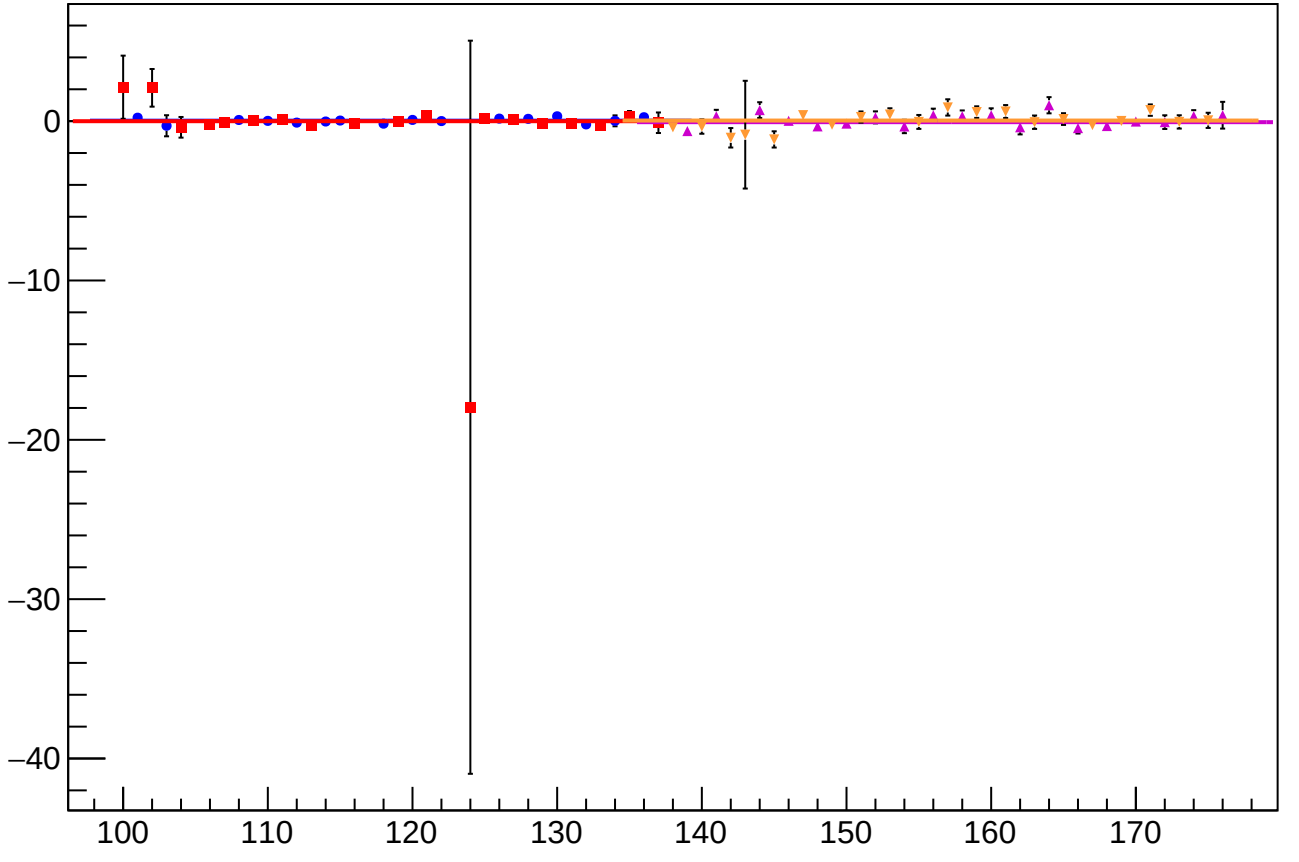
Left In: 0.000+/-0.000 χ^2/NDF:1220099.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 13536864.3/35

All: 0.000+/-0.000 χ^2/NDF: 26157010.4/73

- sign 0.000+/-0.000 χ^2/NDF: 2399696.1/37

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

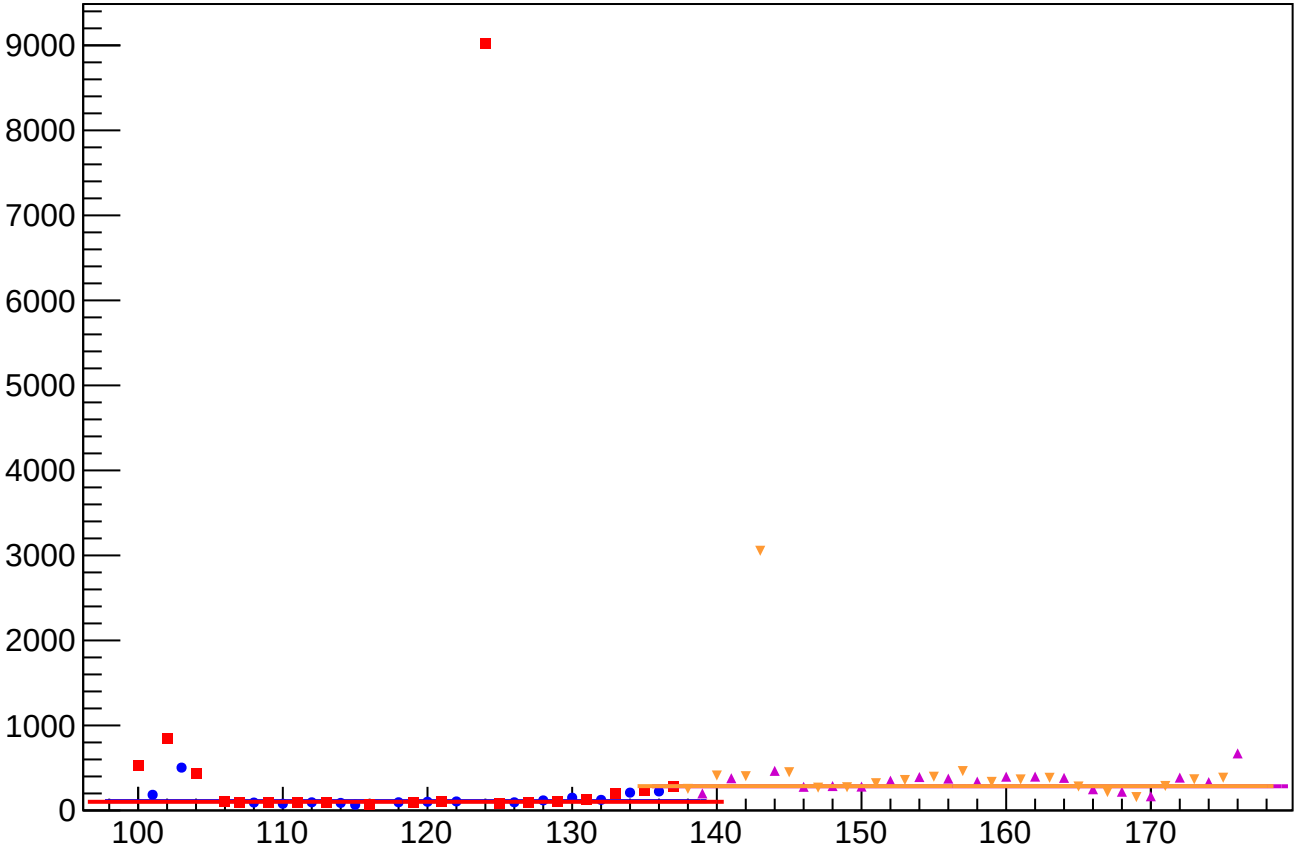
Left In: -0.064+/-0.077 χ^2/NDF:22.4/18

+ sign 0.030+/-0.039 χ^2/NDF: 35.2/35

All: 0.005+/-0.027 χ^2/NDF: 81.3/73

- sign -0.018+/-0.038 χ^2/NDF: 45.3/37

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 285.958+/-0.055 χ^2/NDF:3881924.1/19

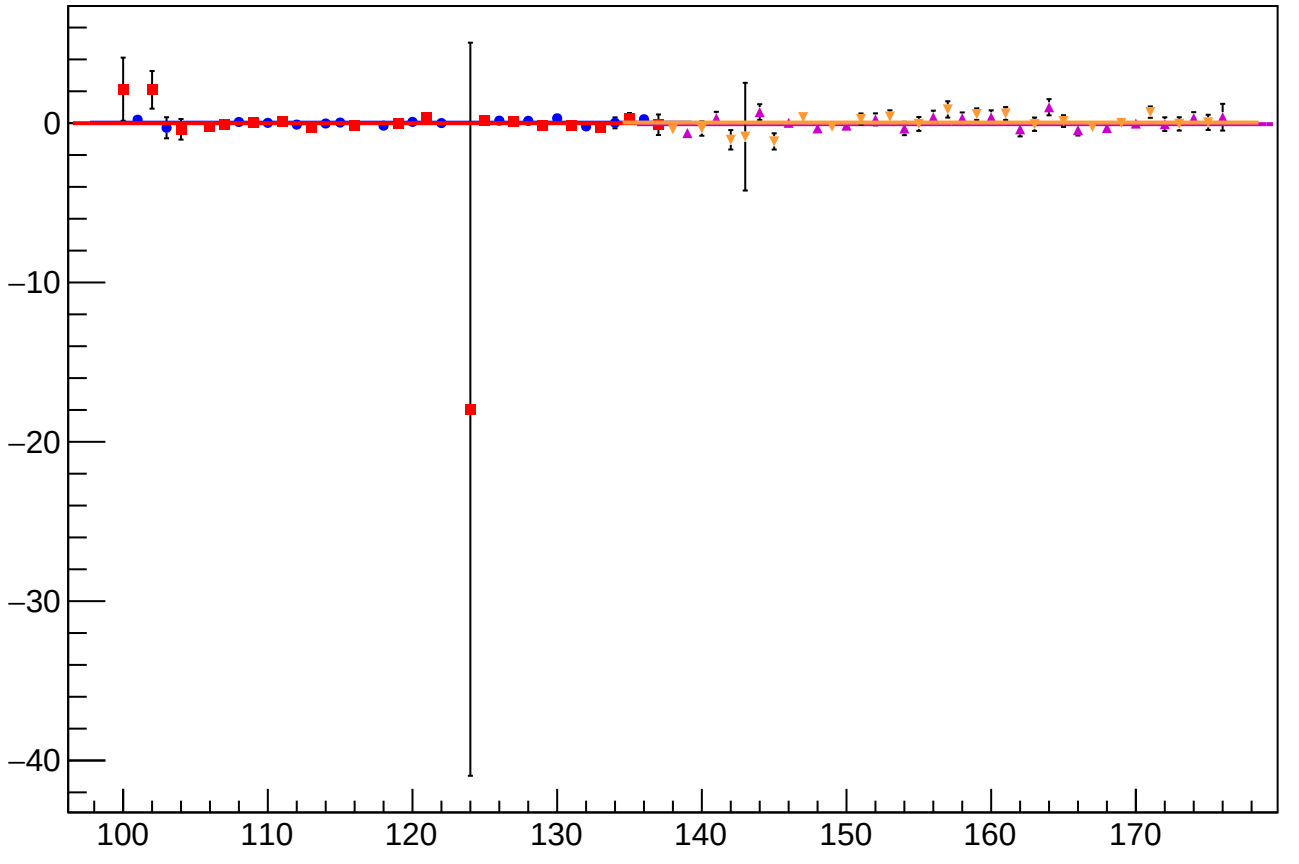
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 284.450+/-0.054 χ^2/NDF:2824083.8/18

+ sign 154.130+/-0.028 χ^2/NDF: 13382708.0/35

All: 149.877+/-0.019 χ^2/NDF: 27399351.8/73

- sign 145.930+/-0.027 χ^2/NDF: 13971272.0/37



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

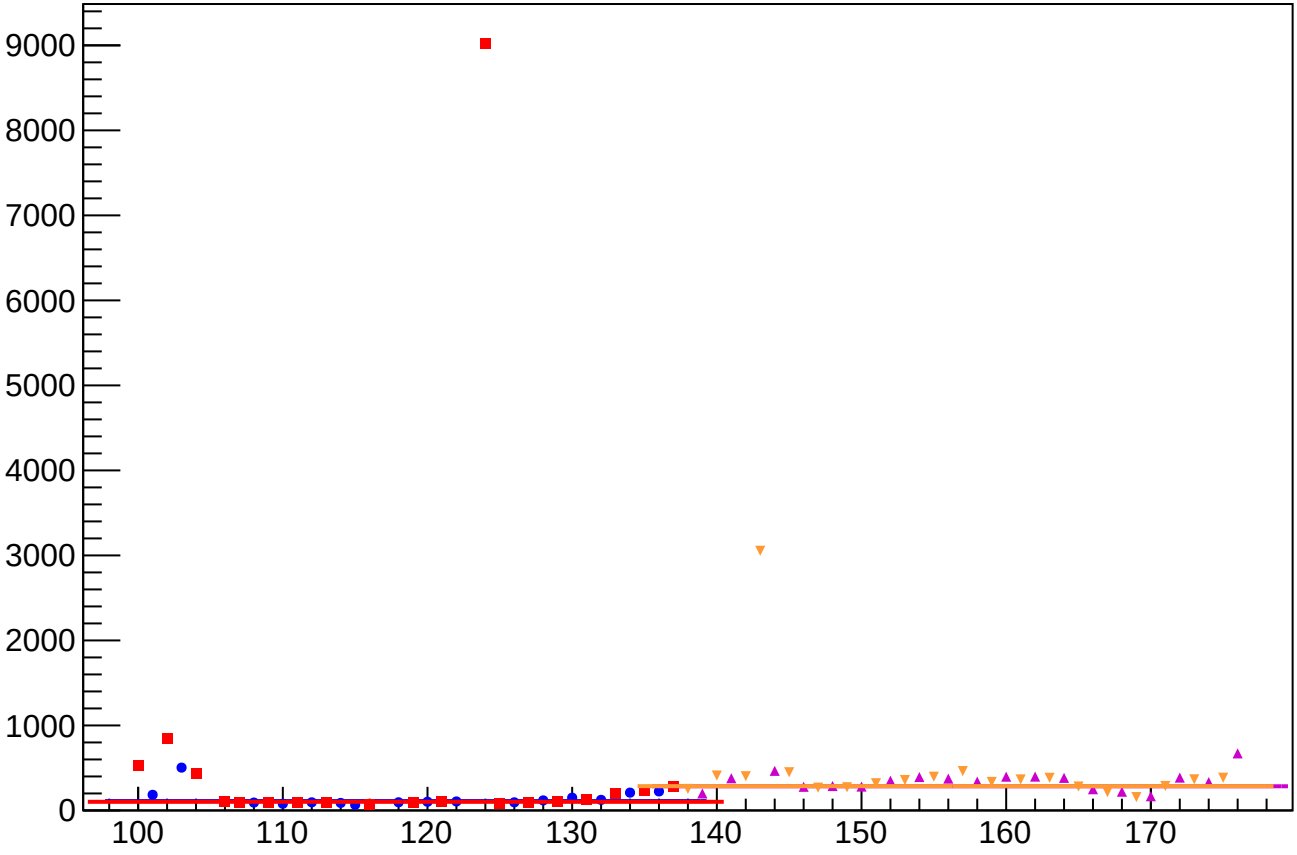
Left In: -0.064+/-0.077 χ^2/NDF:22.4/18

+ sign 0.030+/-0.039 χ^2/NDF: 35.2/35

All: 0.005+/-0.027 χ^2/NDF: 81.3/73

- sign -0.018+/-0.038 χ^2/NDF: 45.3/37

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: 285.958+/-0.055 χ^2/NDF:3881924.1/19

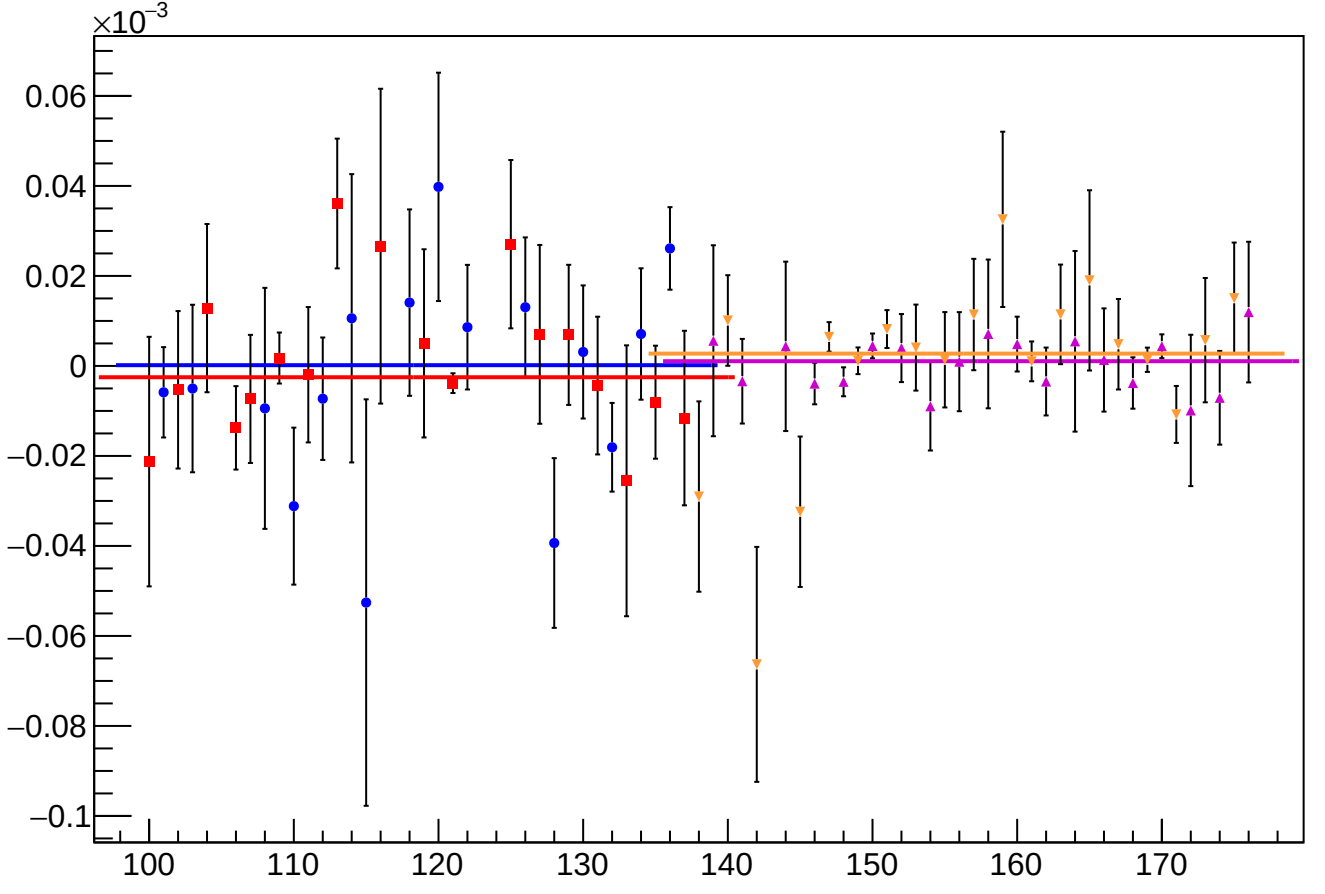
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 284.450+/-0.054 χ^2/NDF:2824083.8/18

+ sign 154.130+/-0.028 χ^2/NDF: 13382708.0/35

All: 149.877+/-0.019 χ^2/NDF: 27399351.8/73

- sign 145.930+/-0.027 χ^2/NDF: 13971272.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

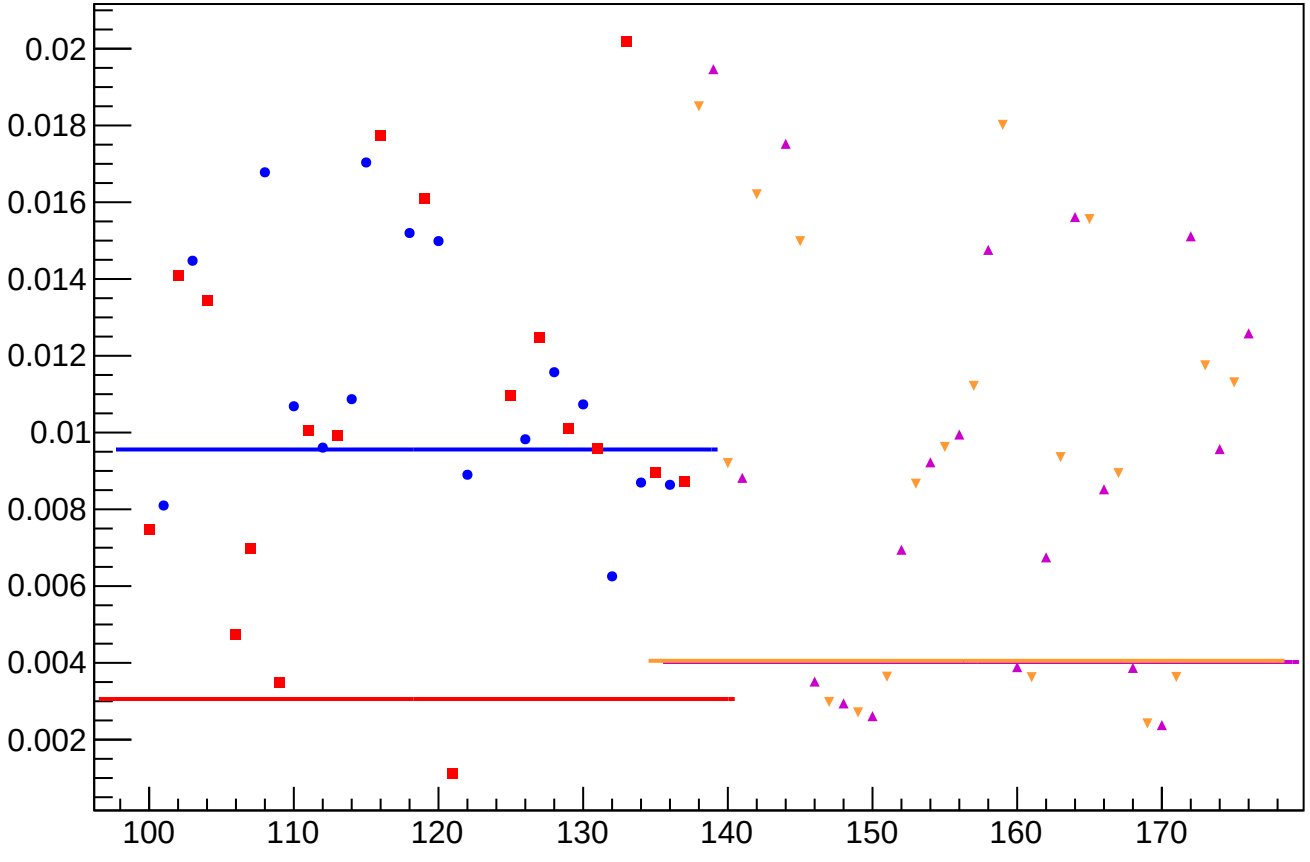
Left In: 0.000+/-0.000 χ^2/NDF:10.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 53.7/34

All: 0.000+/-0.000 χ^2/NDF: 85.4/71

- sign -0.000+/-0.000 χ^2/NDF: 29.2/36

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:9764831.2/18

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

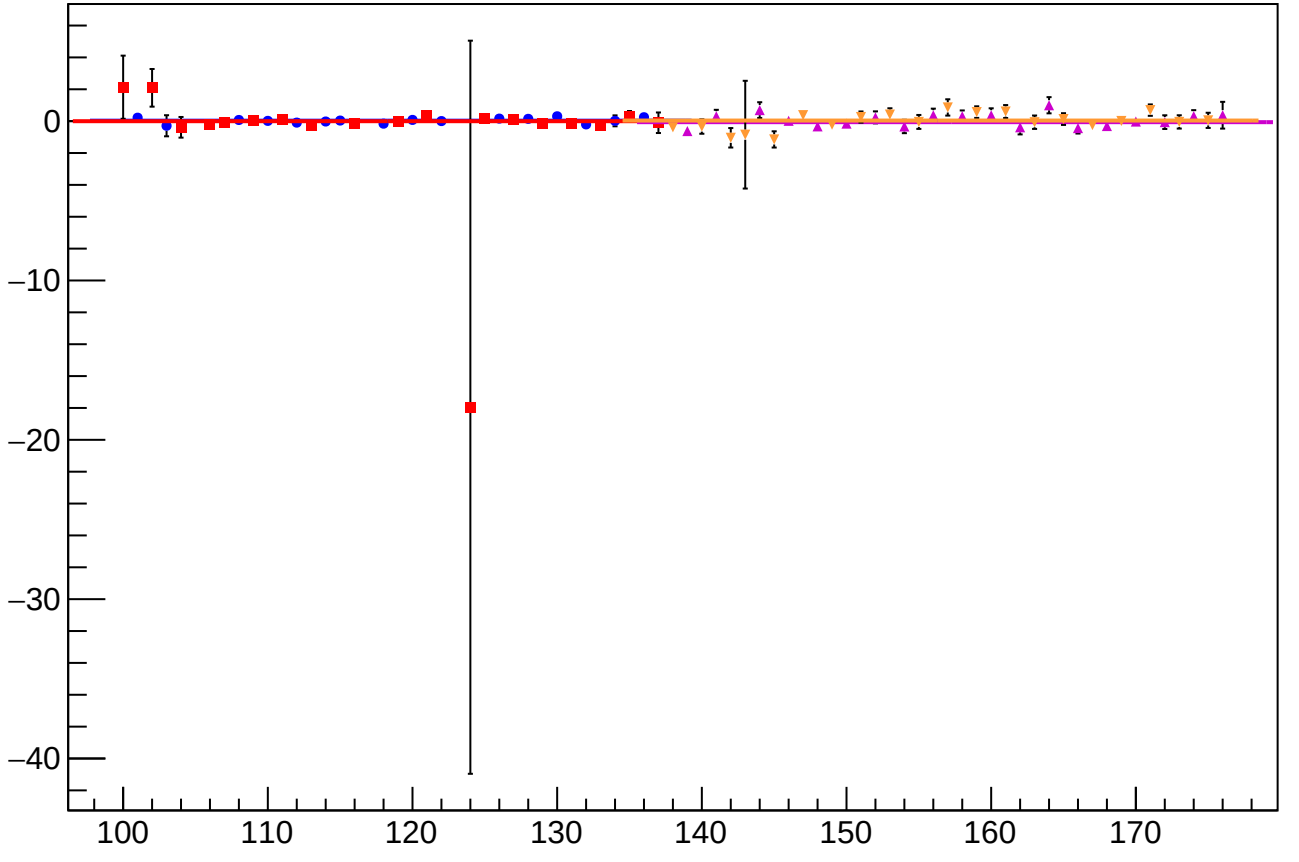
Left In: 0.004+/-0.000 χ^2/NDF:9709669.1/18

+ sign 0.005+/-0.000 χ^2/NDF: 14546744.2/34

All: 0.004+/-0.000 χ^2/NDF: 33463523.7/71

- sign 0.004+/-0.000 χ^2/NDF: 18198093.3/36

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

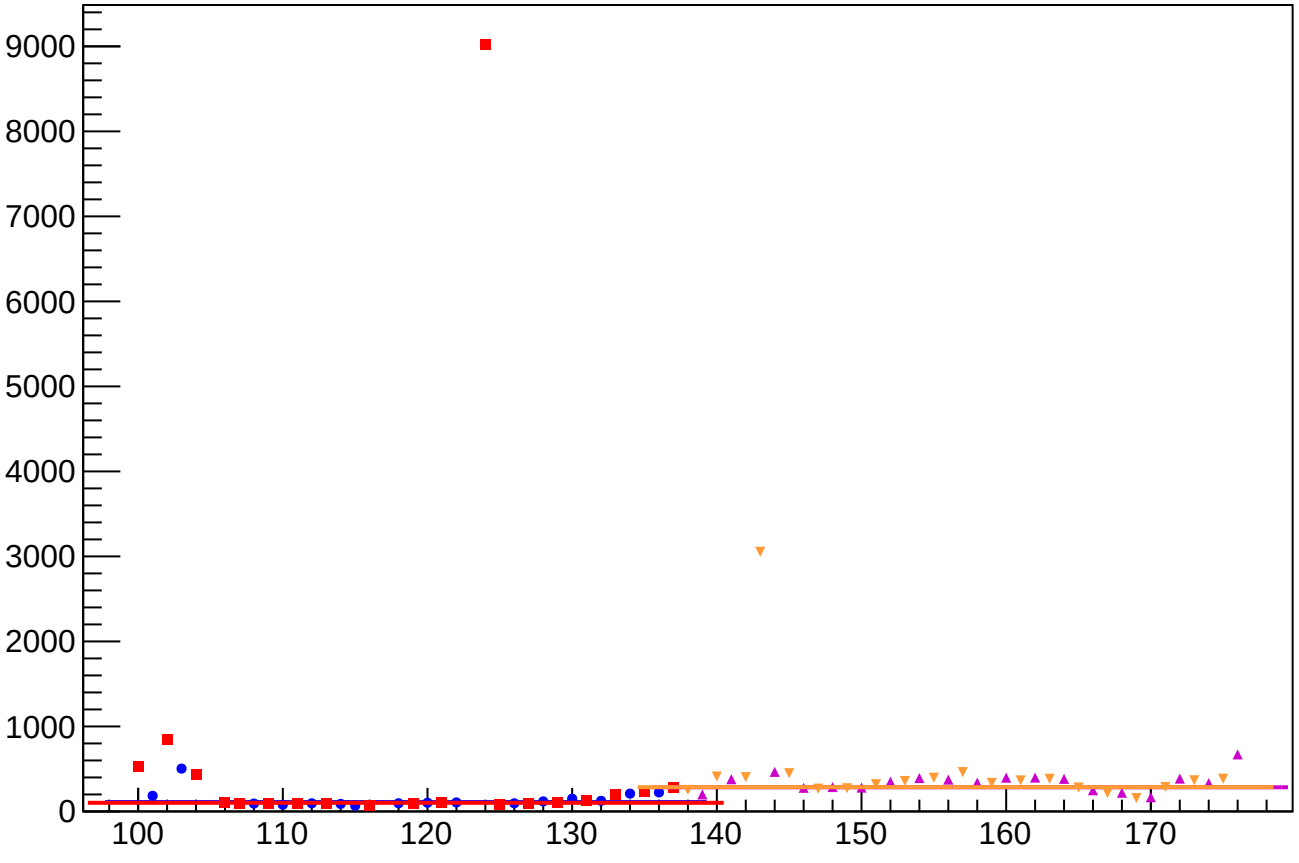
Left In: -0.064+/-0.077 χ^2/NDF:22.4/18

+ sign 0.030+/-0.039 χ^2/NDF: 35.2/35

All: 0.005+/-0.027 χ^2/NDF: 81.3/73

- sign -0.018+/-0.038 χ^2/NDF: 45.3/37

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: 285.959+/-0.055 χ^2/NDF:3881965.6/19

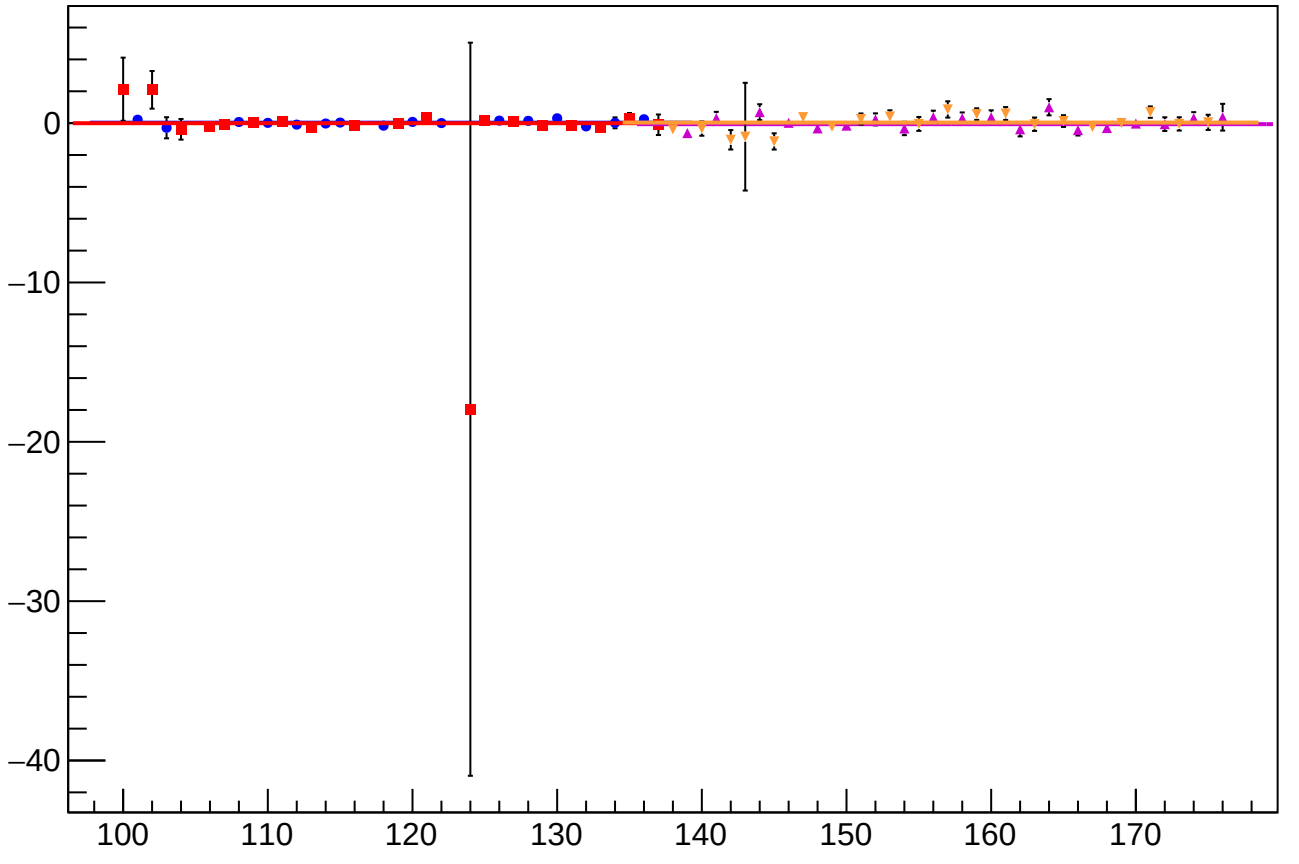
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 284.453+/-0.054 χ^2/NDF:2824038.1/18

+ sign 154.131+/-0.028 χ^2/NDF: 13382646.2/35

All: 149.879+/-0.019 χ^2/NDF: 27399156.6/73

- sign 145.931+/-0.027 χ^2/NDF: 13971145.2/37



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

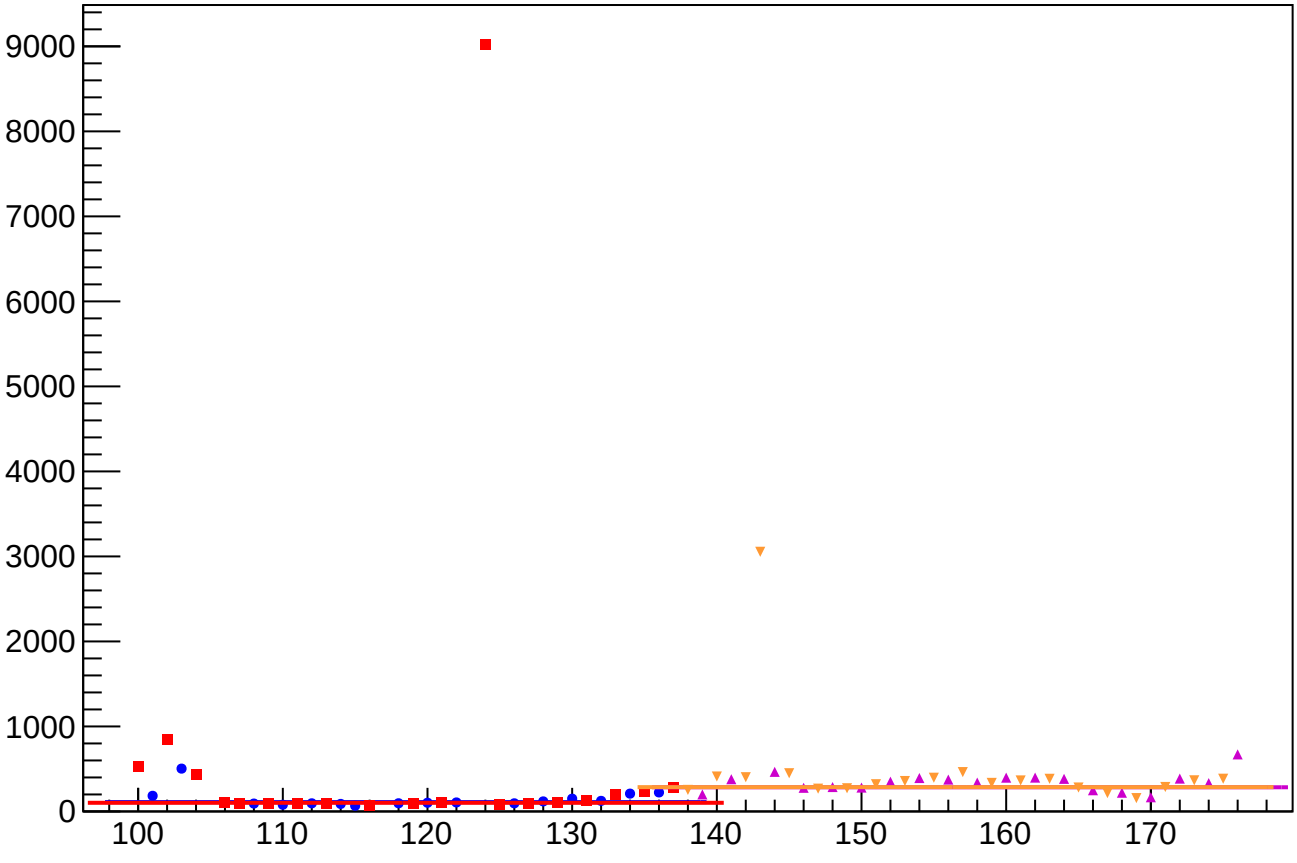
Left In: -0.064+/-0.077 χ^2/NDF:22.4/18

+ sign 0.030+/-0.039 χ^2/NDF: 35.2/35

All: 0.005+/-0.027 χ^2/NDF: 81.3/73

- sign -0.018+/-0.038 χ^2/NDF: 45.3/37

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 285.959+/-0.055 χ^2/NDF:3881965.6/19

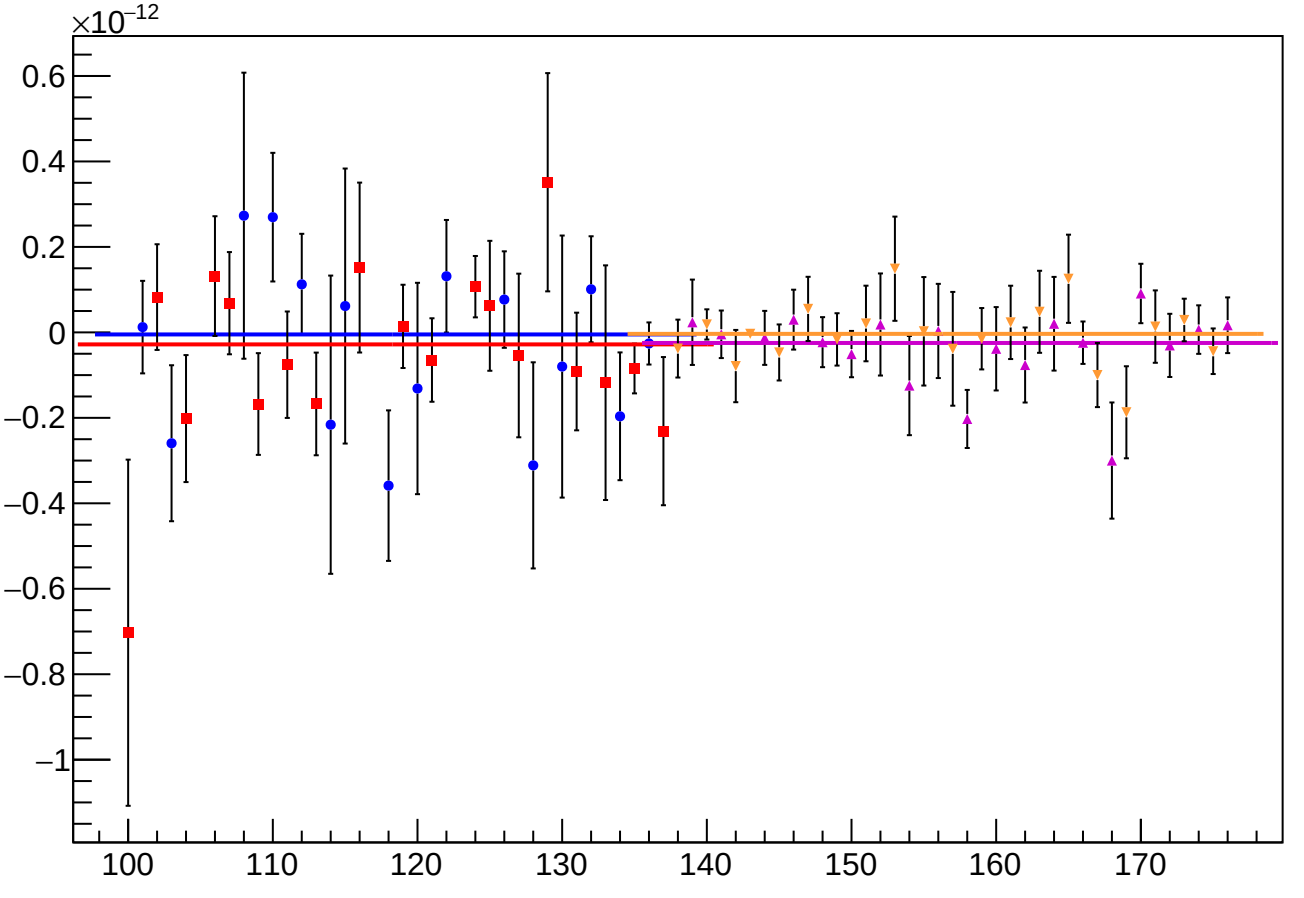
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 284.453+/-0.054 χ^2/NDF:2824038.1/18

+ sign 154.131+/-0.028 χ^2/NDF: 13382646.2/35

All: 149.879+/-0.019 χ^2/NDF: 27399156.6/73

- sign 145.931+/-0.027 χ^2/NDF: 13971145.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/19

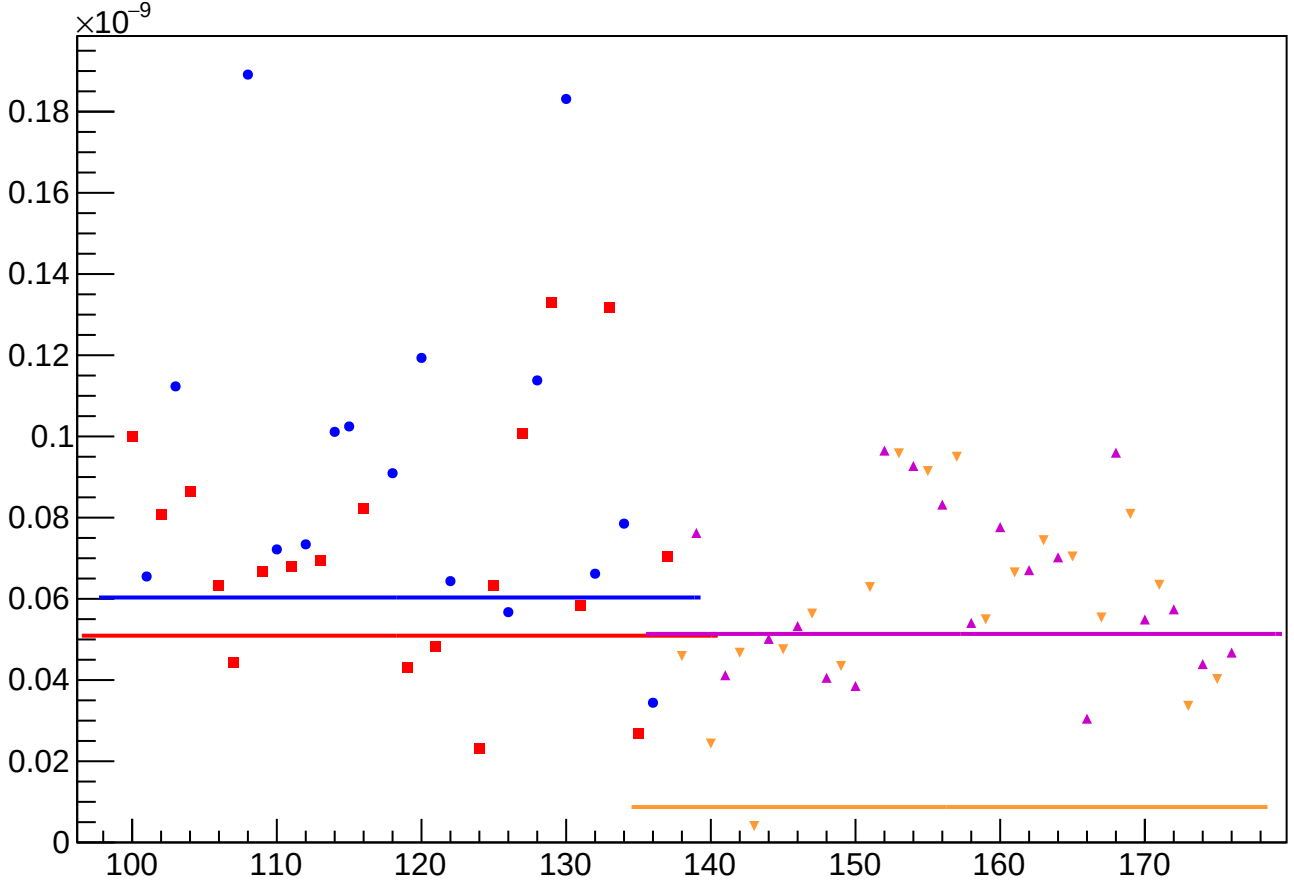
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/35

All: -0.000+/-0.000 χ^2/NDF: 68.3/73

- sign -0.000+/-0.000 χ^2/NDF: 36.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15495080.4/19

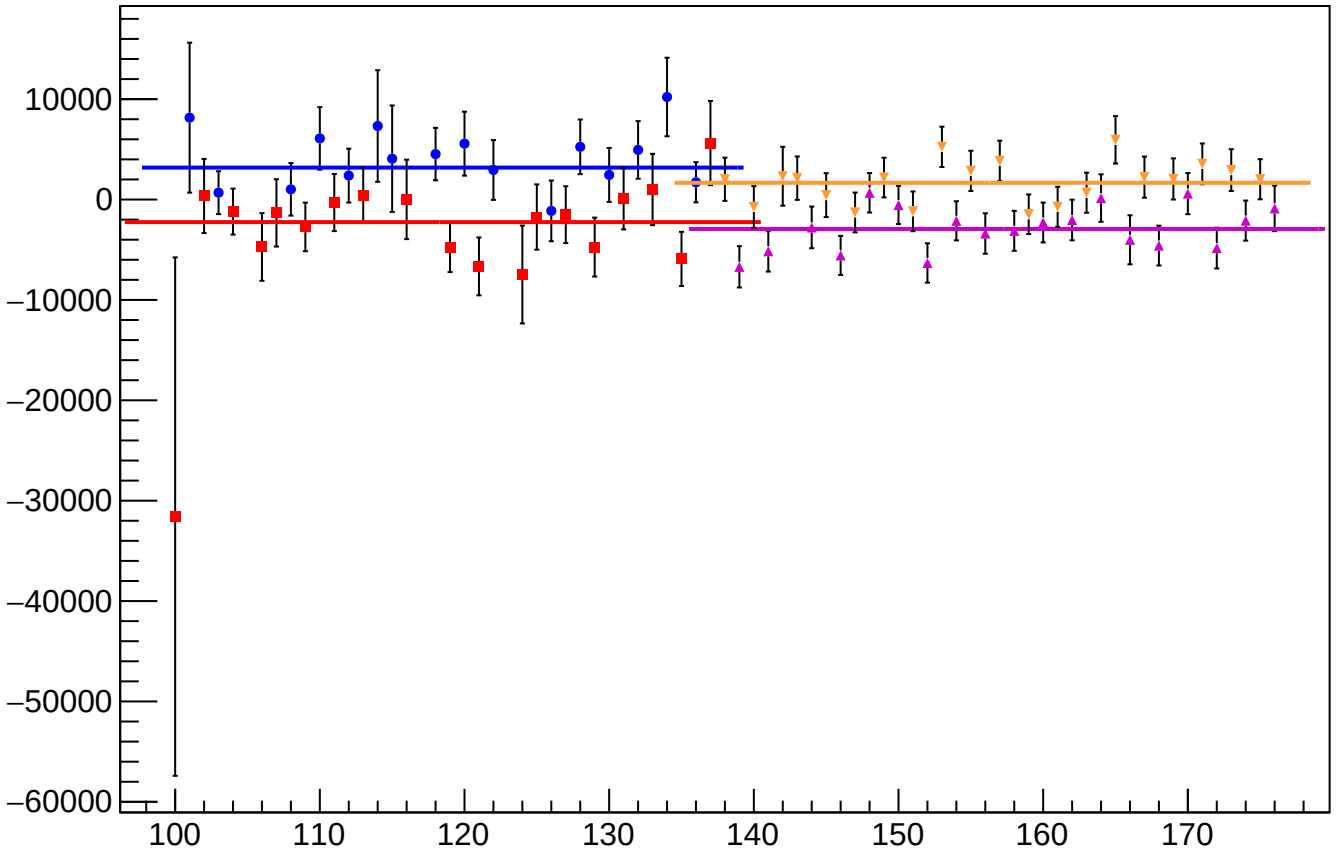
Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1984122.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 22381427.7/35

All: 0.000+/-0.000 χ^2/NDF: 40956077.9/73

- sign 0.000+/-0.000 χ^2/NDF: 3651498.2/37



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1666.826+/-464.633 χ^2/NDF:19.7/19

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

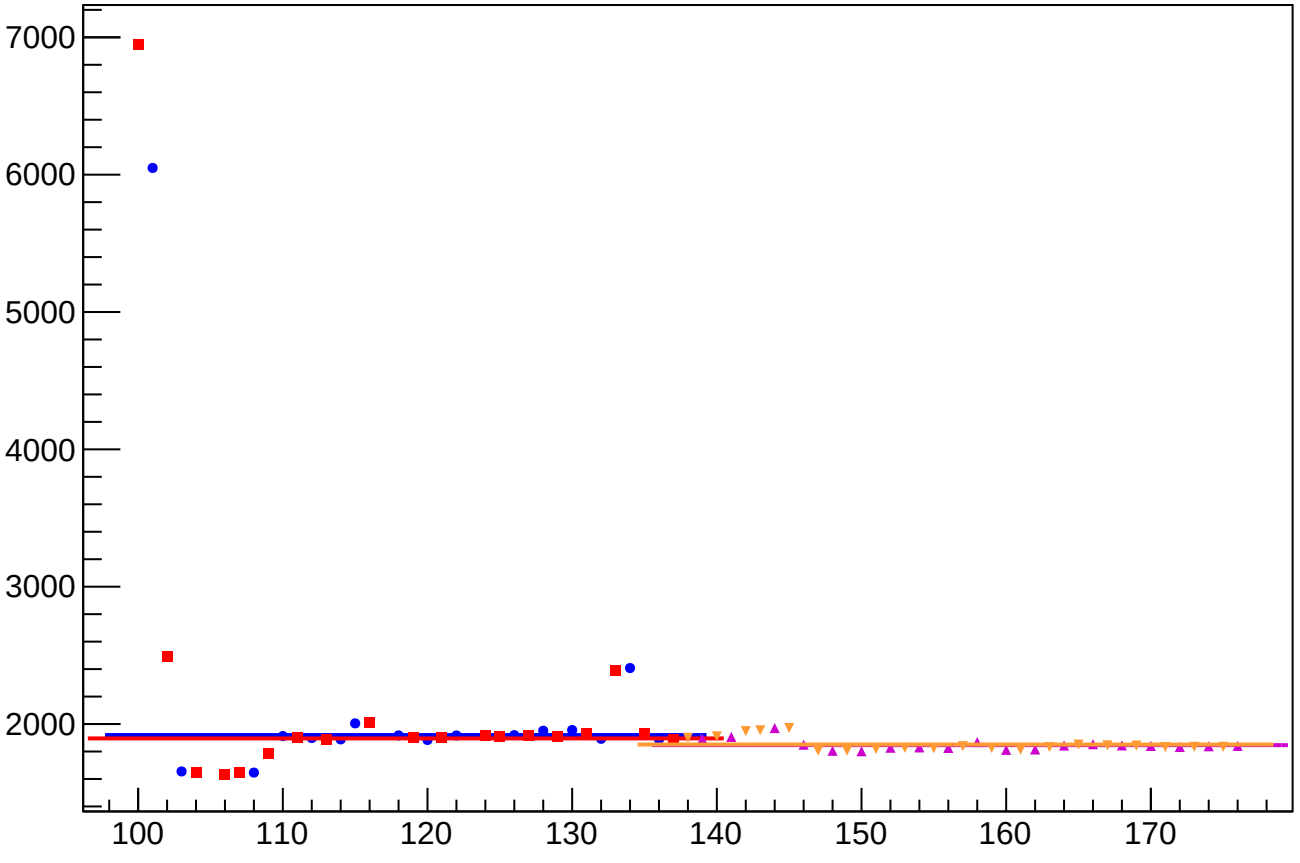
Left In: -2931.769+/-468.445 χ^2/NDF:22.3/18

+ sign 2103.197+/-392.147 χ^2/NDF: 34.5/35

All: -316.570+/-276.940 χ^2/NDF: 149.8/73

- sign -2724.173+/-391.160 χ^2/NDF: 39.4/37

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1850.741+/-0.329 χ^2/NDF:20476.5/19

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

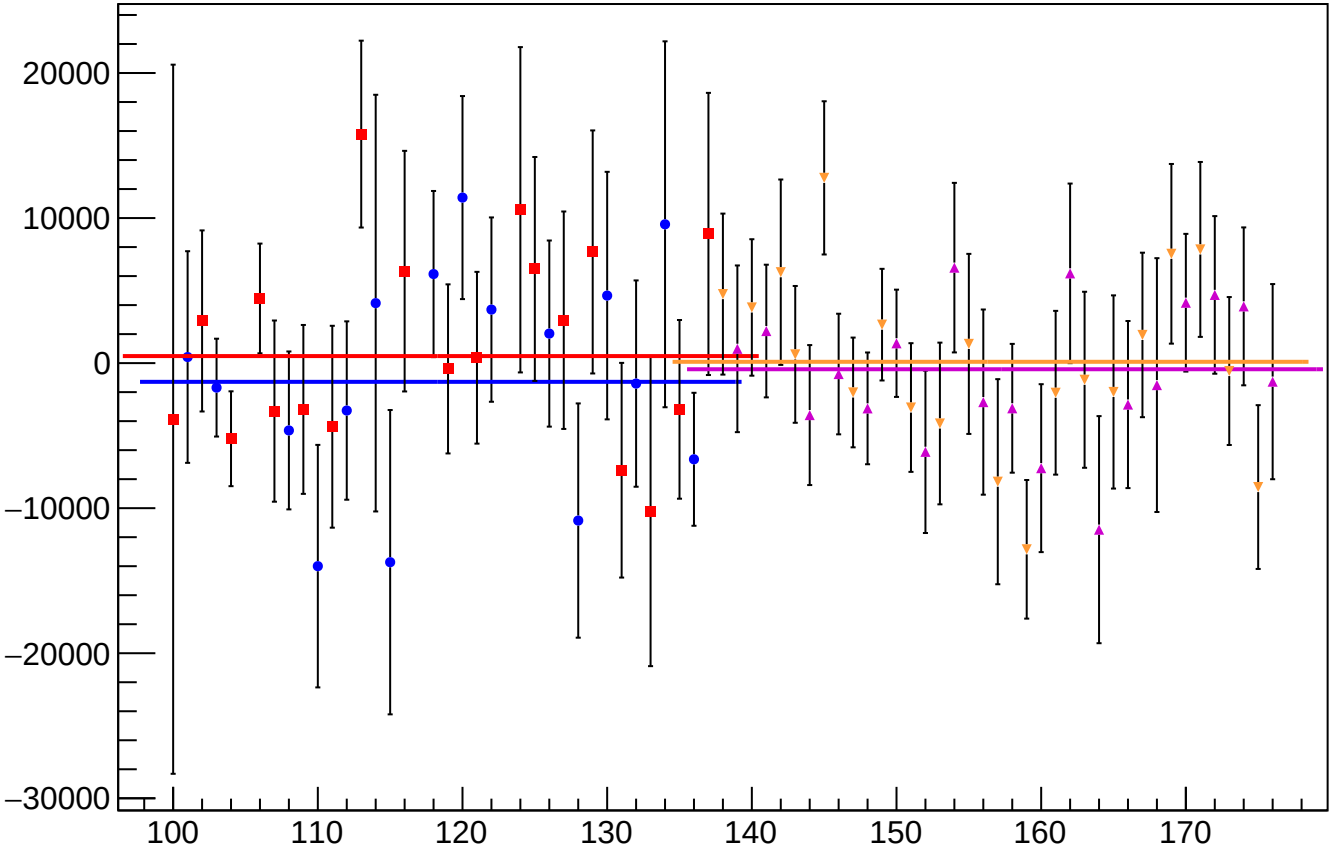
Left In: 1846.348+/-0.331 χ^2/NDF:13907.1/18

+ sign 1870.616+/-0.277 χ^2/NDF: 730528.1/35

All: 1865.920+/-0.196 χ^2/NDF: 973941.2/73

- sign 1861.259+/-0.276 χ^2/NDF: 242841.7/37

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 91.065+/-1171.398 χ^2/NDF:24.5/19

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

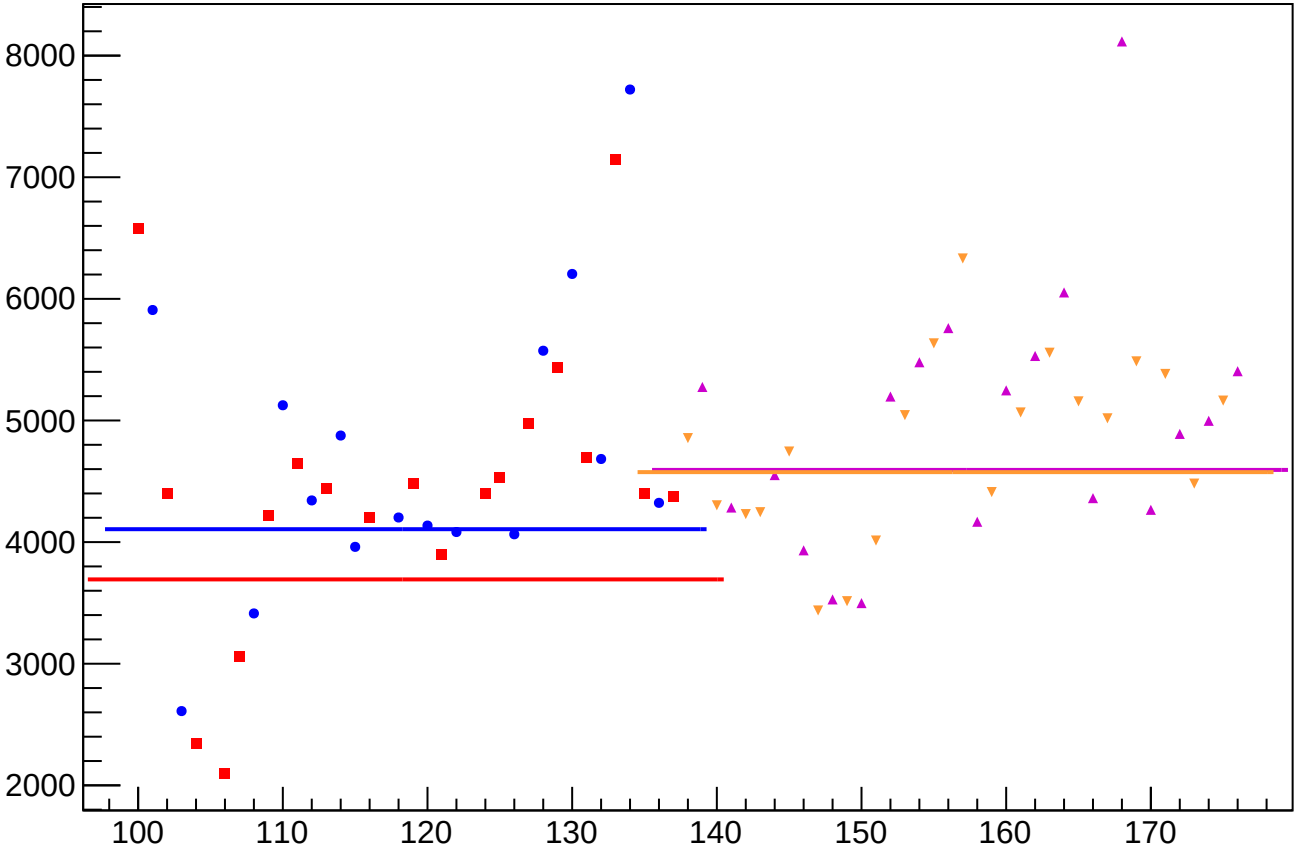
Left In: -422.678+/-1190.601 χ^2/NDF:11.7/18

\+ sign -396.803+/-942.136 χ^2/NDF: 39.2/35

All: -220.378+/-657.097 χ^2/NDF: 68.5/73

\- sign -53.268+/-916.927 χ^2/NDF: 29.2/37

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4575.394+/-0.828 χ^2/NDF:789212.5/19

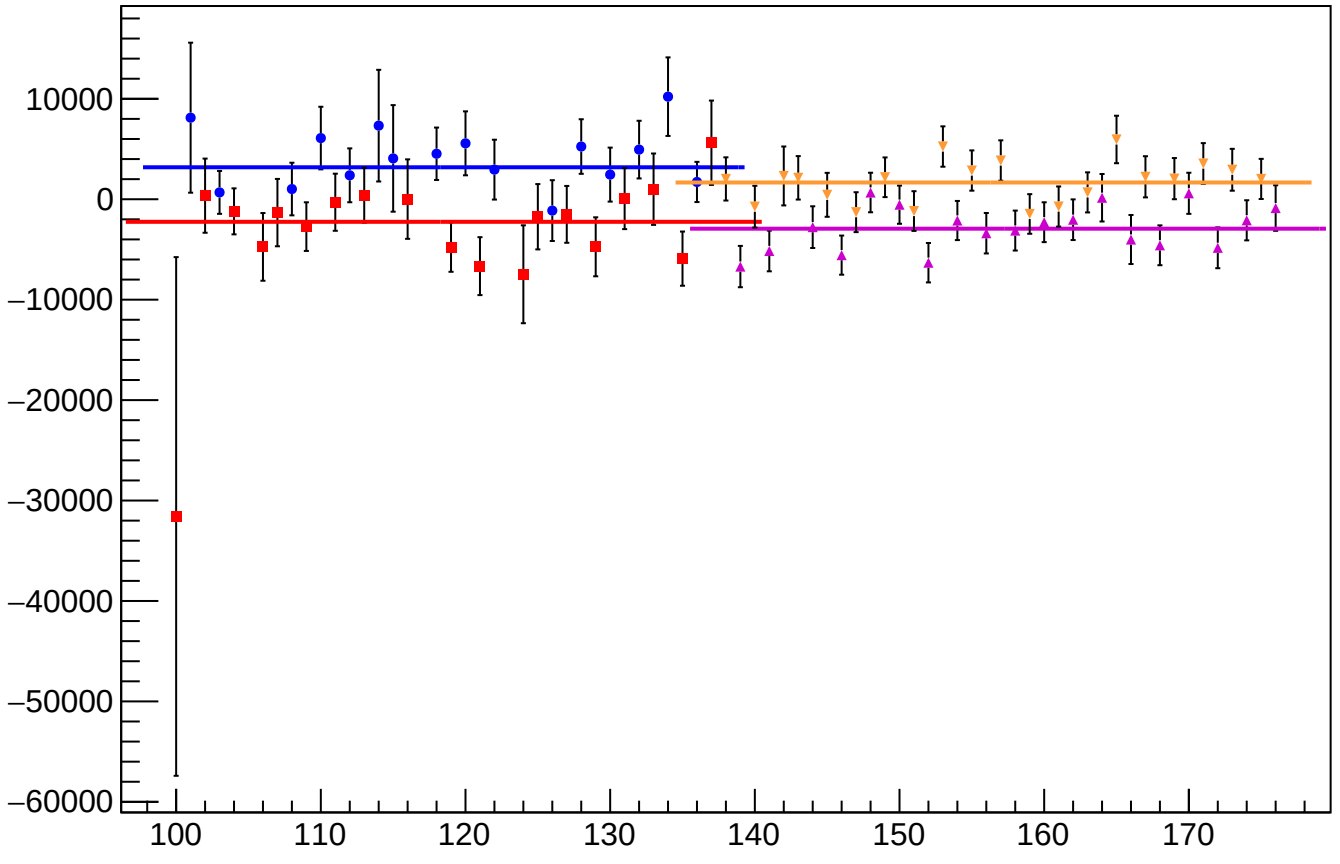
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4593.551+/-0.842 χ^2/NDF:1094464.8/18

+ sign 4409.688+/-0.666 χ^2/NDF: 1858678.4/35

All: 4315.988+/-0.465 χ^2/NDF: 4813605.8/73

- sign 4227.236+/-0.648 χ^2/NDF: 2916407.5/37



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1666.741+/-464.633 χ^2/NDF:19.7/19

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

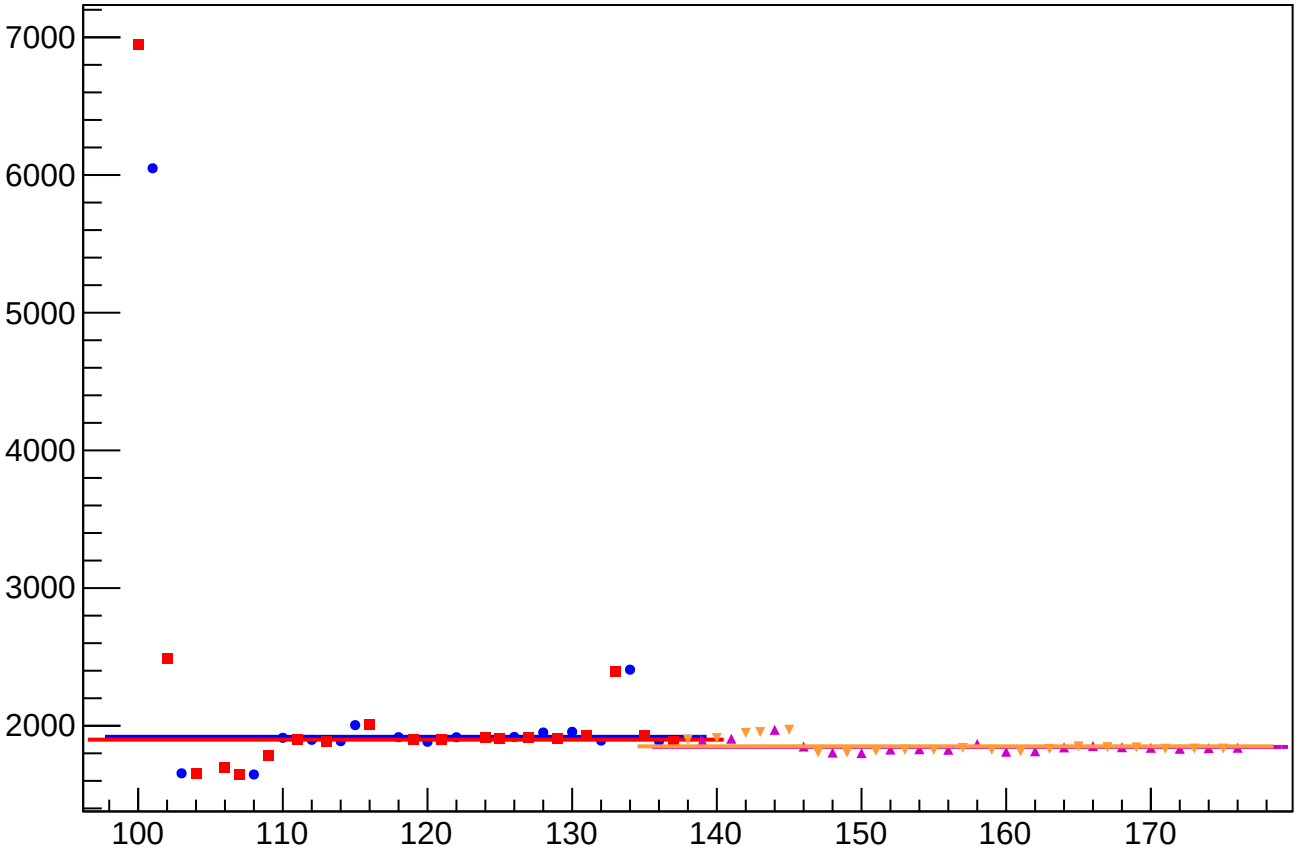
Left In: -2931.740+/-468.445 χ^2/NDF:22.3/18

+ sign 2102.926+/-392.147 χ^2/NDF: 34.5/35

All: -316.864+/-276.941 χ^2/NDF: 149.8/73

- sign -2724.498+/-391.161 χ^2/NDF: 39.4/37

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1850.741+/-0.329 χ^2/NDF:20476.5/19

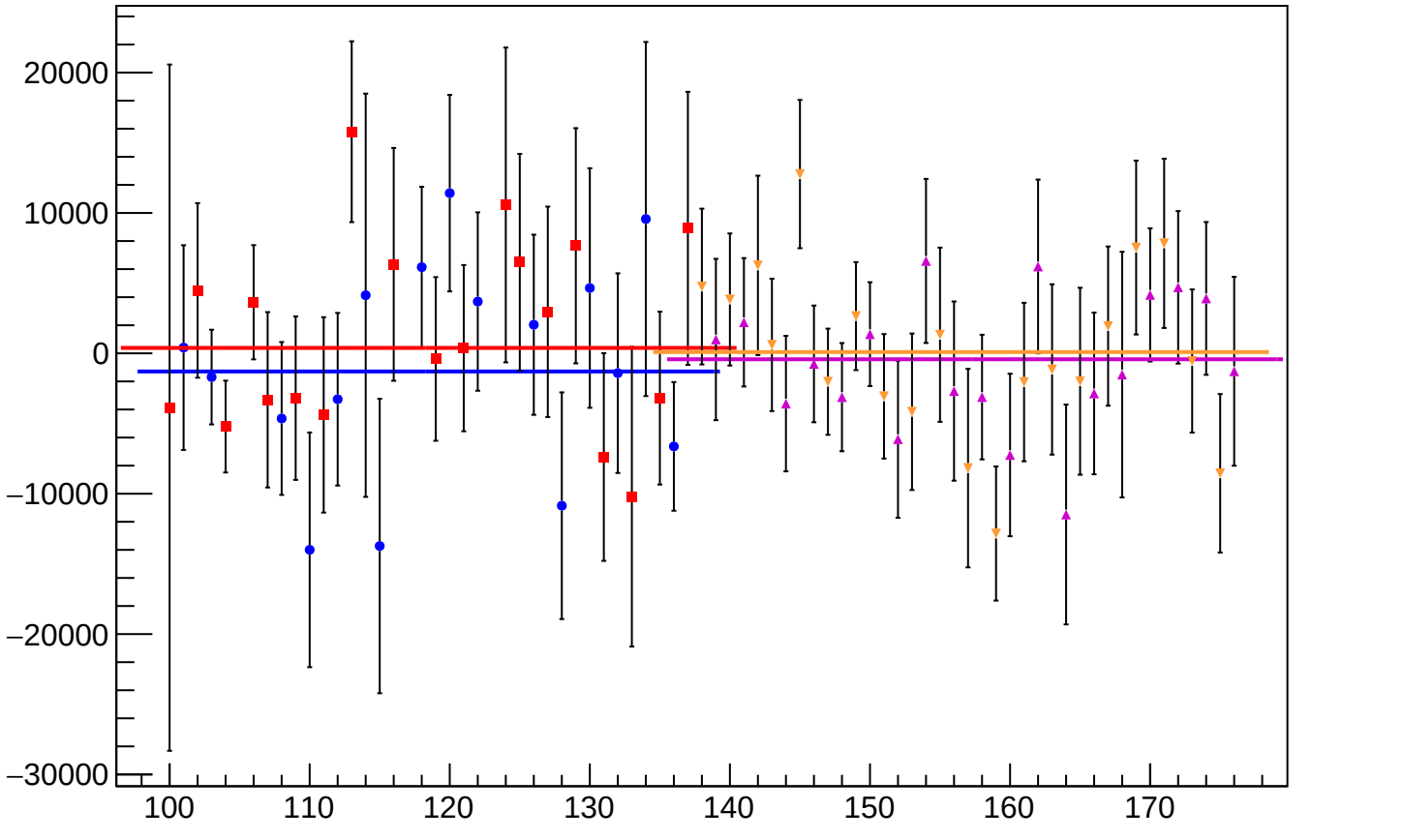
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.348+/-0.331 χ^2/NDF:13907.1/18

+ sign 1870.616+/-0.277 χ^2/NDF: 730527.4/35

All: 1866.512+/-0.196 χ^2/NDF: 968297.6/73

- sign 1862.434+/-0.276 χ^2/NDF: 237333.6/37



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 91.027+/-1171.396 χ^2/NDF:24.5/19

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

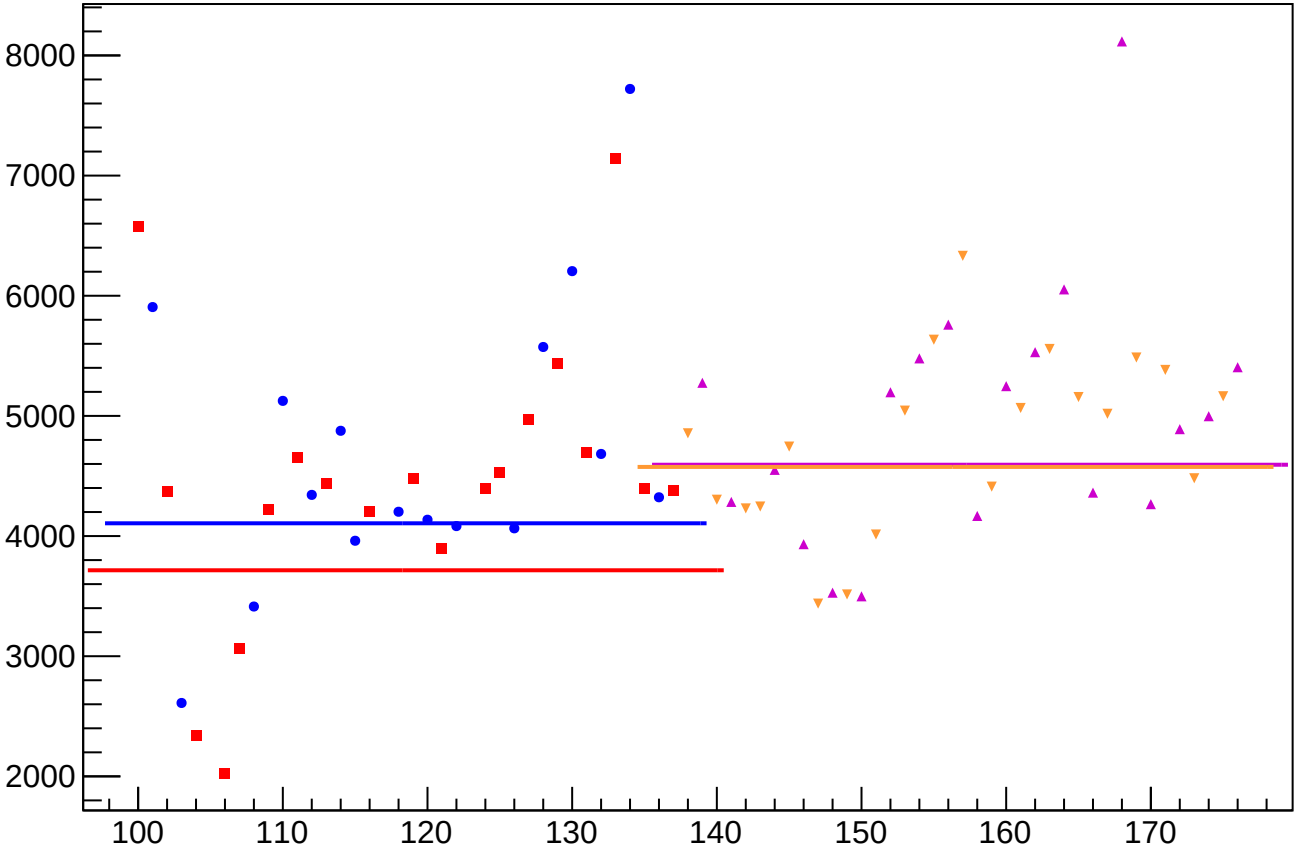
Left In: -422.696+/-1190.602 χ^2/NDF:11.7/18

+ sign -396.954+/-942.136 χ^2/NDF: 39.2/35

All: -243.392+/-658.425 χ^2/NDF: 68.2/73

- sign -96.787+/-920.546 χ^2/NDF: 28.9/37

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4575.383+/-0.828 χ^2/NDF:789230.2/19

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

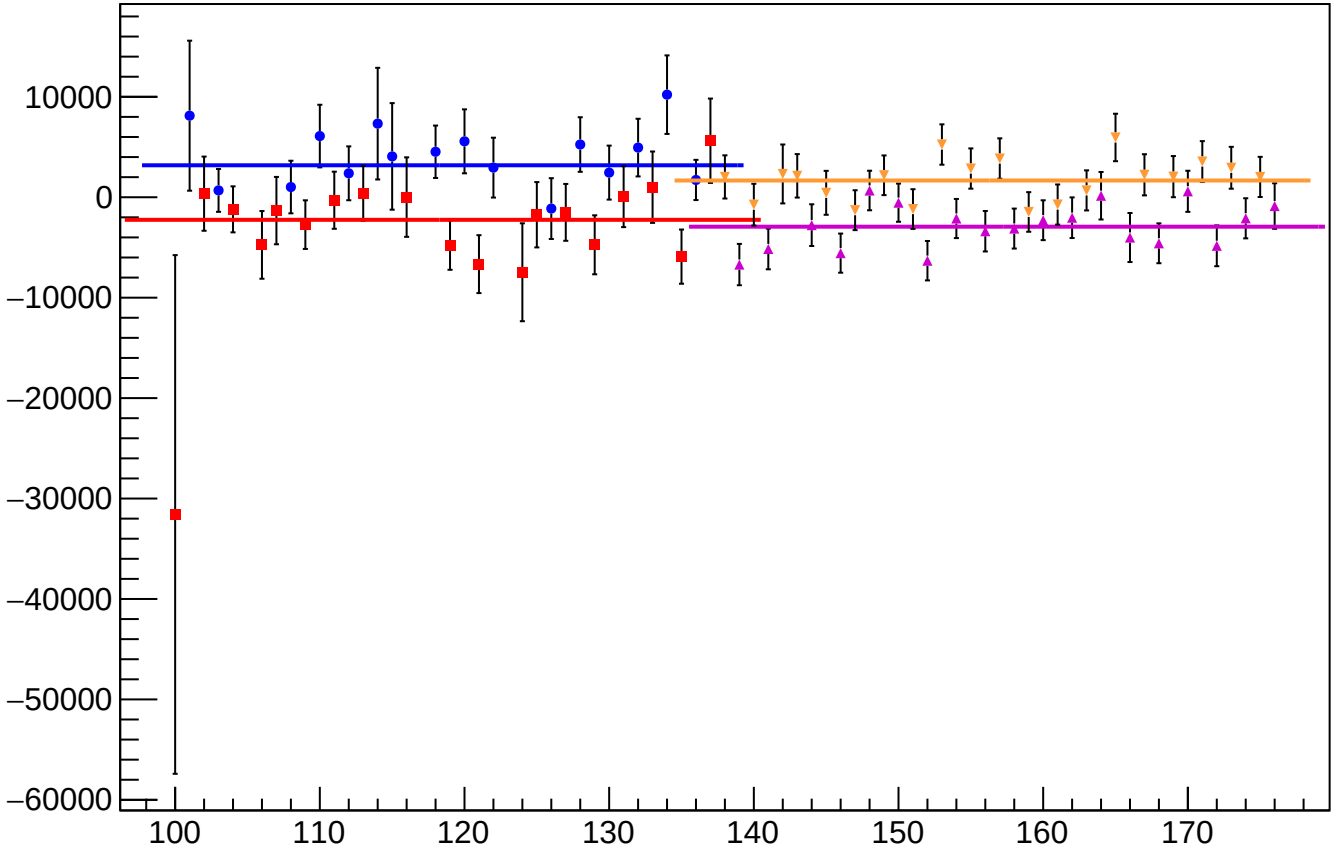
Left In: 4593.554+/-0.842 χ^2/NDF:1094459.7/18

+ sign 4409.714+/-0.666 χ^2/NDF: 1858146.8/35

All: 4323.036+/-0.466 χ^2/NDF: 4758595.4/73

- sign 4240.284+/-0.651 χ^2/NDF: 2867357.8/37

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1666.741+/-464.633 χ^2/NDF:19.7/19

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

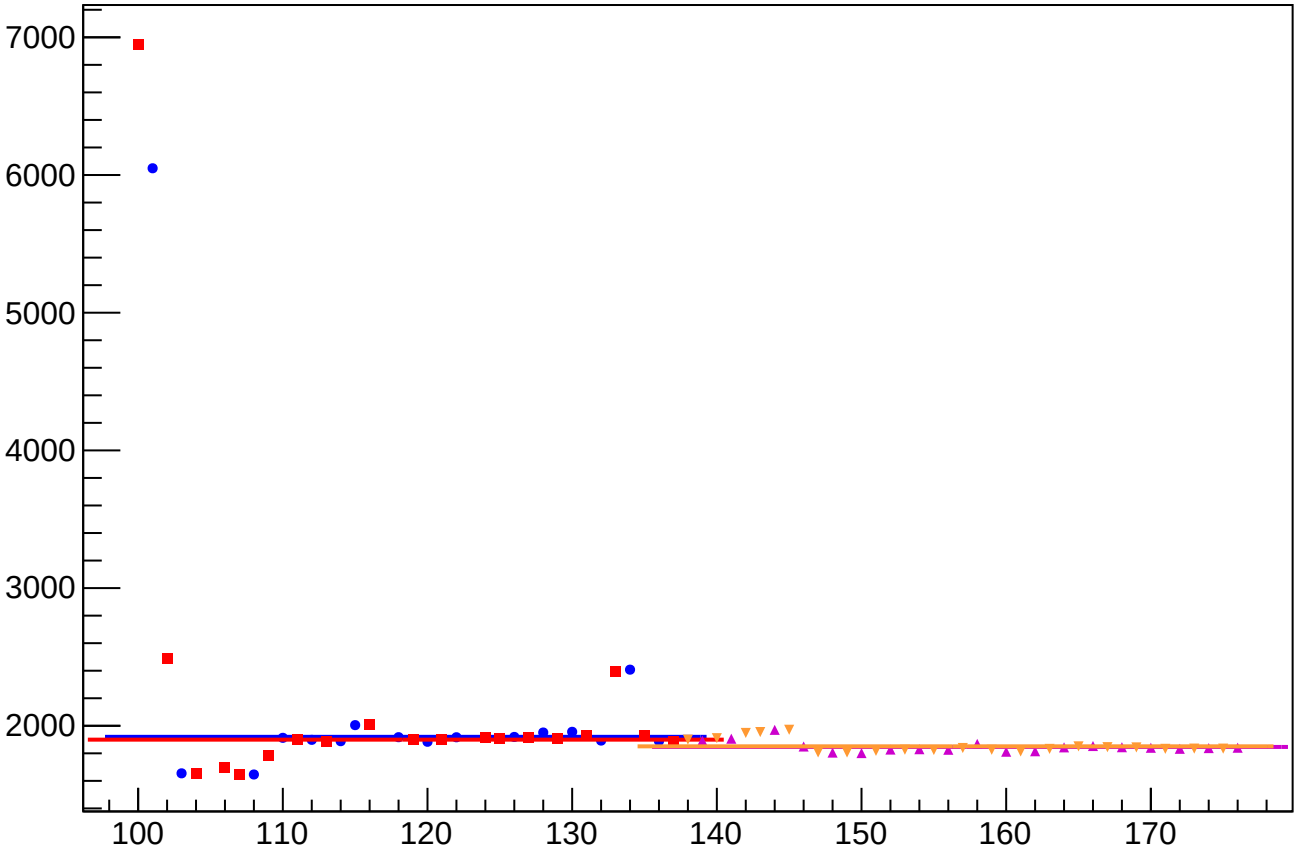
Left In: -2931.740+/-468.445 χ^2/NDF:22.3/18

+ sign 2102.926+/-392.147 χ^2/NDF: 34.5/35

All: -316.864+/-276.941 χ^2/NDF: 149.8/73

- sign -2724.498+/-391.161 χ^2/NDF: 39.4/37

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1850.741+/-0.329 χ^2/NDF:20476.5/19

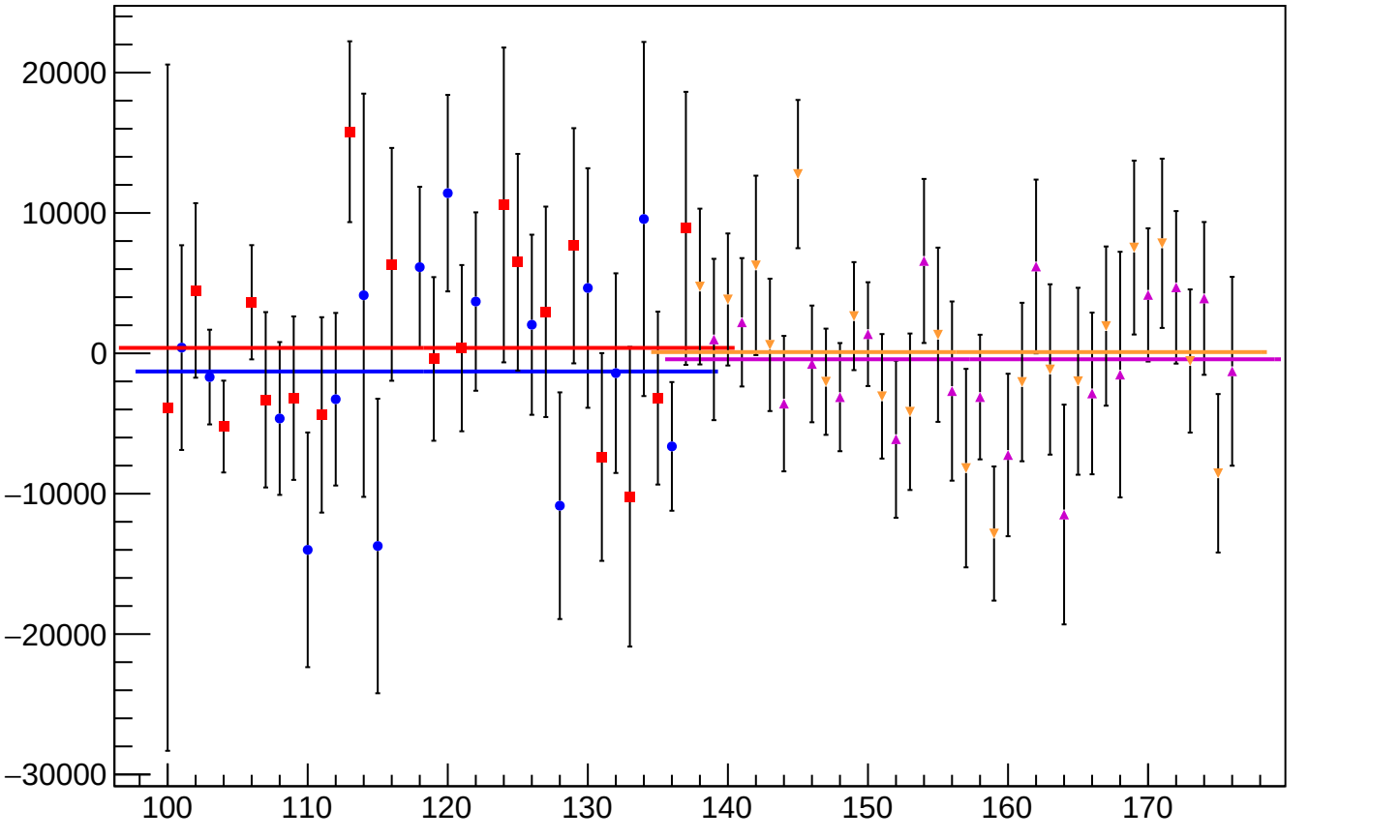
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.348+/-0.331 χ^2/NDF:13907.1/18

+ sign 1870.616+/-0.277 χ^2/NDF: 730527.4/35

All: 1866.512+/-0.196 χ^2/NDF: 968297.6/73

- sign 1862.434+/-0.276 χ^2/NDF: 237333.6/37



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 91.027+/-1171.396 χ^2/NDF:24.5/19

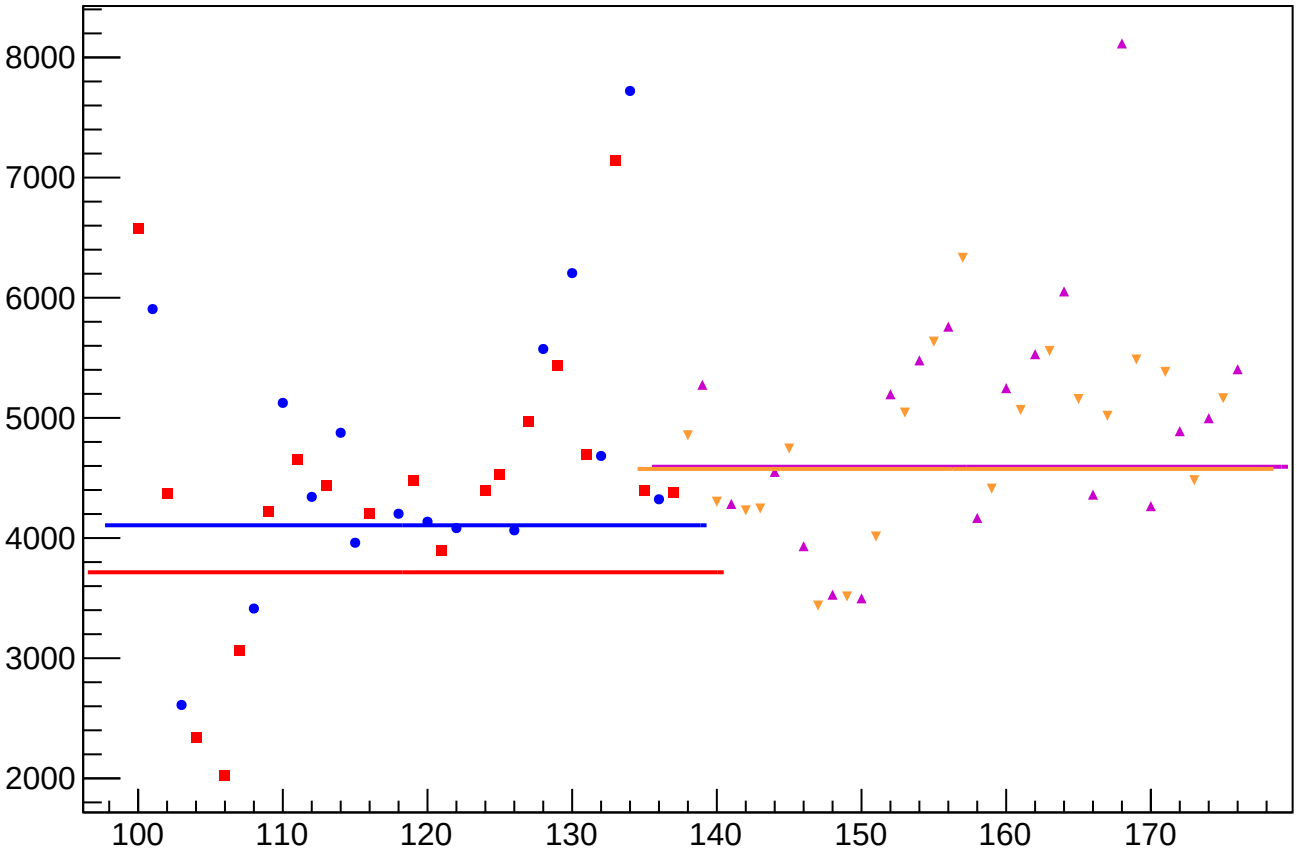
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -422.696+/-1190.602 χ^2/NDF:11.7/18

+ sign -396.954+/-942.136 χ^2/NDF: 39.2/35

All: -243.392+/-658.425 χ^2/NDF: 68.2/73

- sign -96.787+/-920.546 χ^2/NDF: 28.9/37



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4575.383+/-0.828 χ^2/NDF:789230.2/19

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

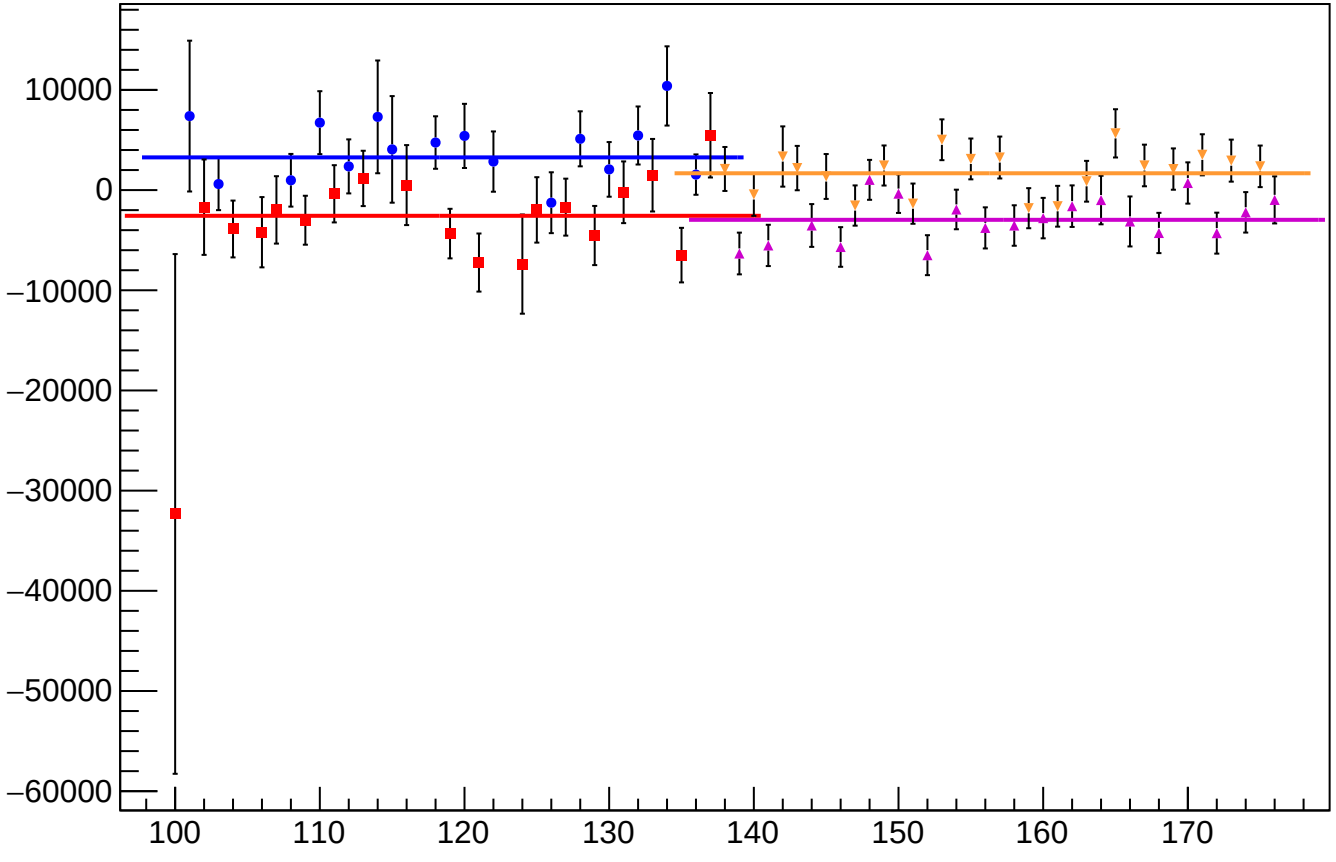
Left In: 4593.554+/-0.842 χ^2/NDF:1094459.7/18

+ sign 4409.714+/-0.666 χ^2/NDF: 1858146.8/35

All: 4323.036+/-0.466 χ^2/NDF: 4758595.4/73

- sign 4240.284+/-0.651 χ^2/NDF: 2867357.8/37

dit_asym_atr_avg_mean vs Slug



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1679.076+/-473.198 χ^2/NDF:20.2/19

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

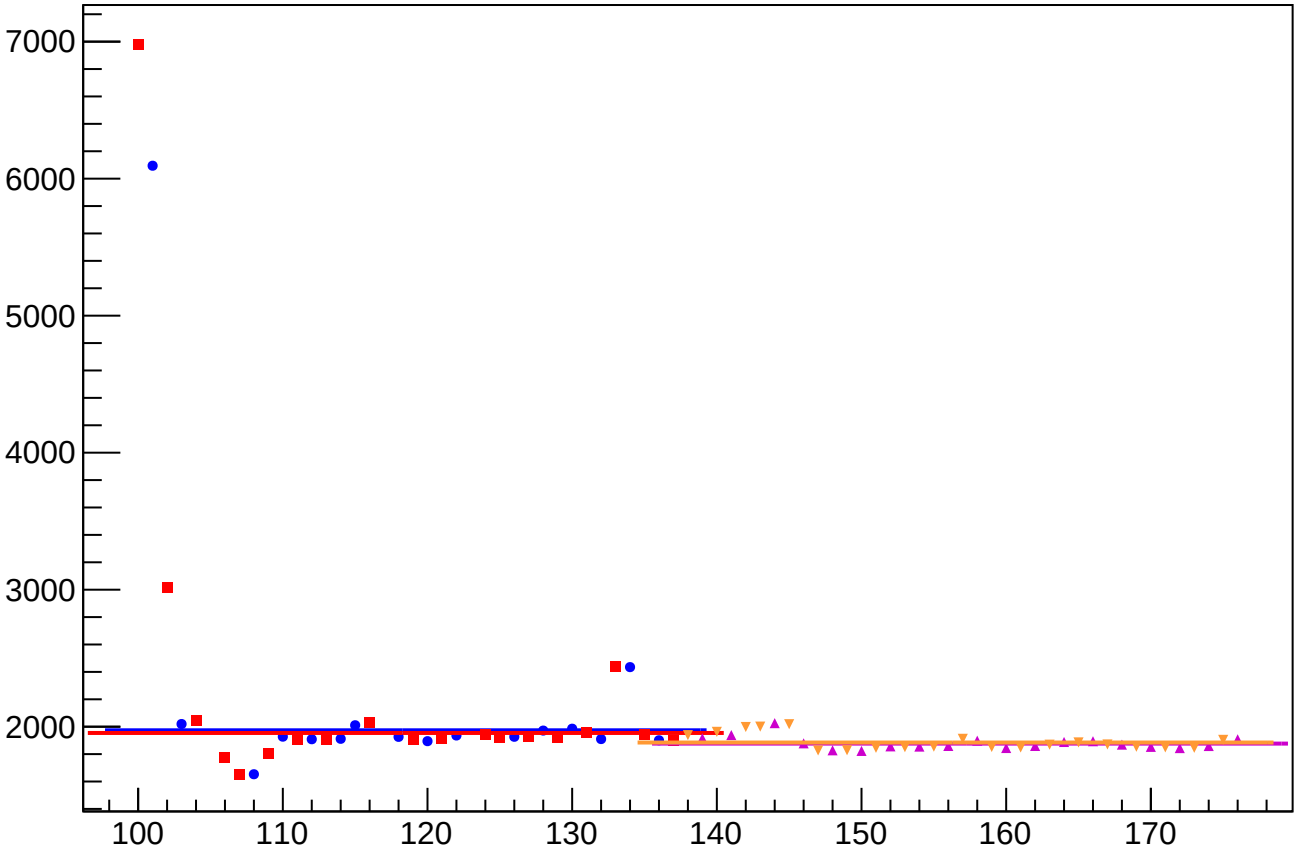
Left In: -2967.772+/-476.195 χ^2/NDF:21.6/18

+ sign 2129.790+/-400.332 χ^2/NDF: 35.5/35

All: -364.065+/-282.829 χ^2/NDF: 151.8/73

- sign -2849.161+/-399.629 χ^2/NDF: 38.8/37

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1884.540+/-0.335 χ^2/NDF:27914.6/19

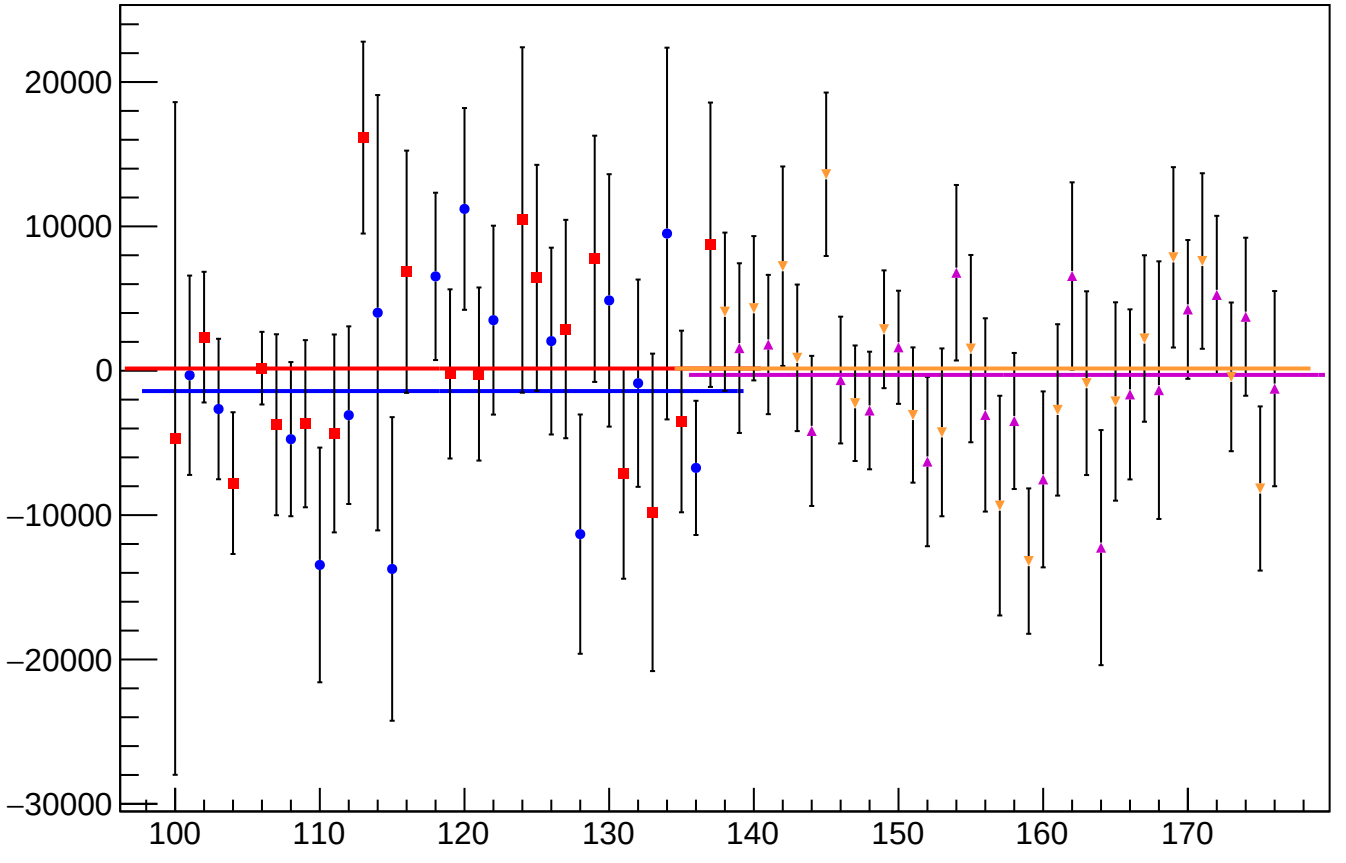
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1876.681+/-0.337 χ^2/NDF:17963.4/18

+ sign 1909.898+/-0.283 χ^2/NDF: 713244.6/35

All: 1904.776+/-0.200 χ^2/NDF: 993821.9/73

- sign 1899.675+/-0.283 χ^2/NDF: 279923.8/37



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 156.200+/-1223.466 χ^2/NDF:24.1/19

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

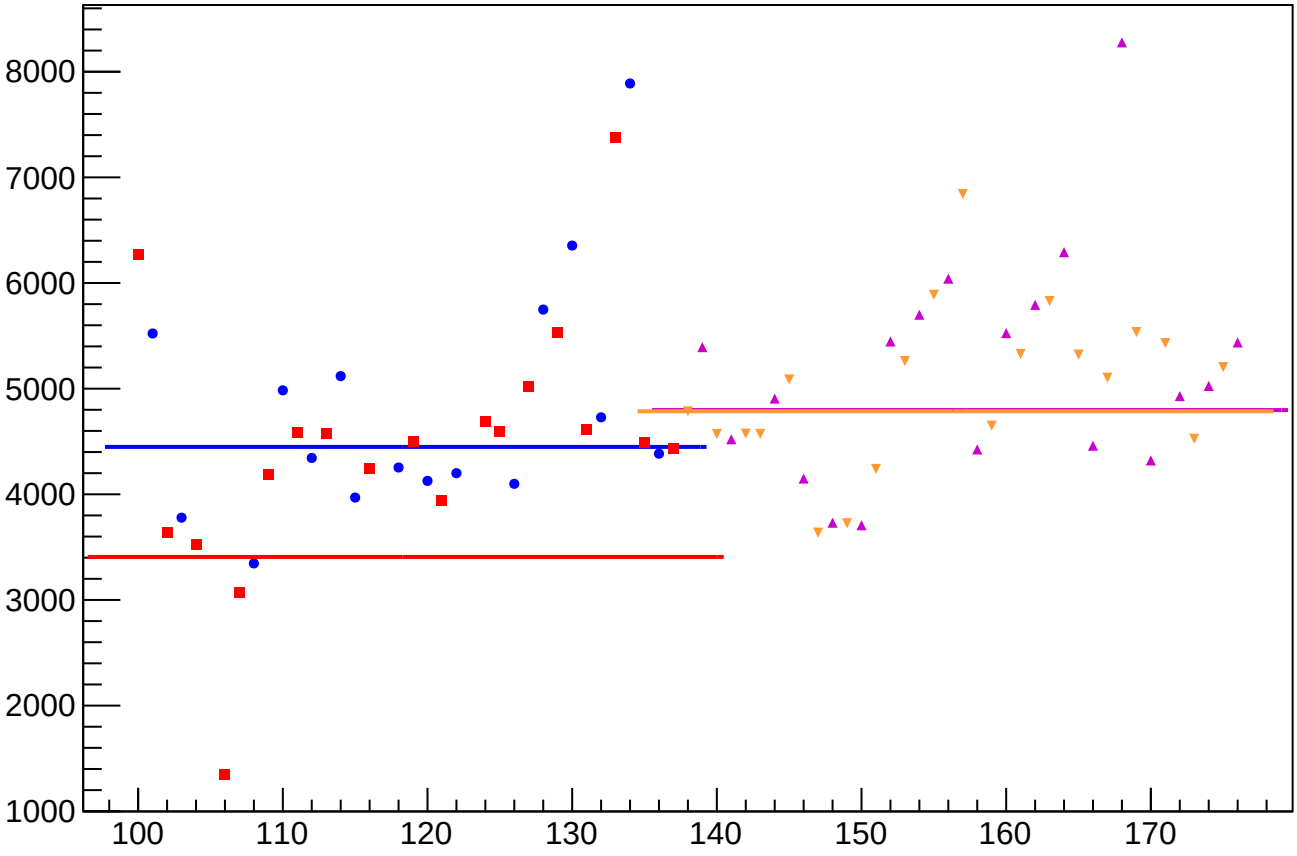
Left In: -287.509+/-1241.655 χ^2/NDF:11.7/18

+ sign -381.478+/-991.025 χ^2/NDF: 38.9/35

All: -222.900+/-673.496 χ^2/NDF: 66.5/73

- sign -86.806+/-918.087 χ^2/NDF: 27.6/37

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4785.914+/-0.865 χ^2/NDF:716509.4/19

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

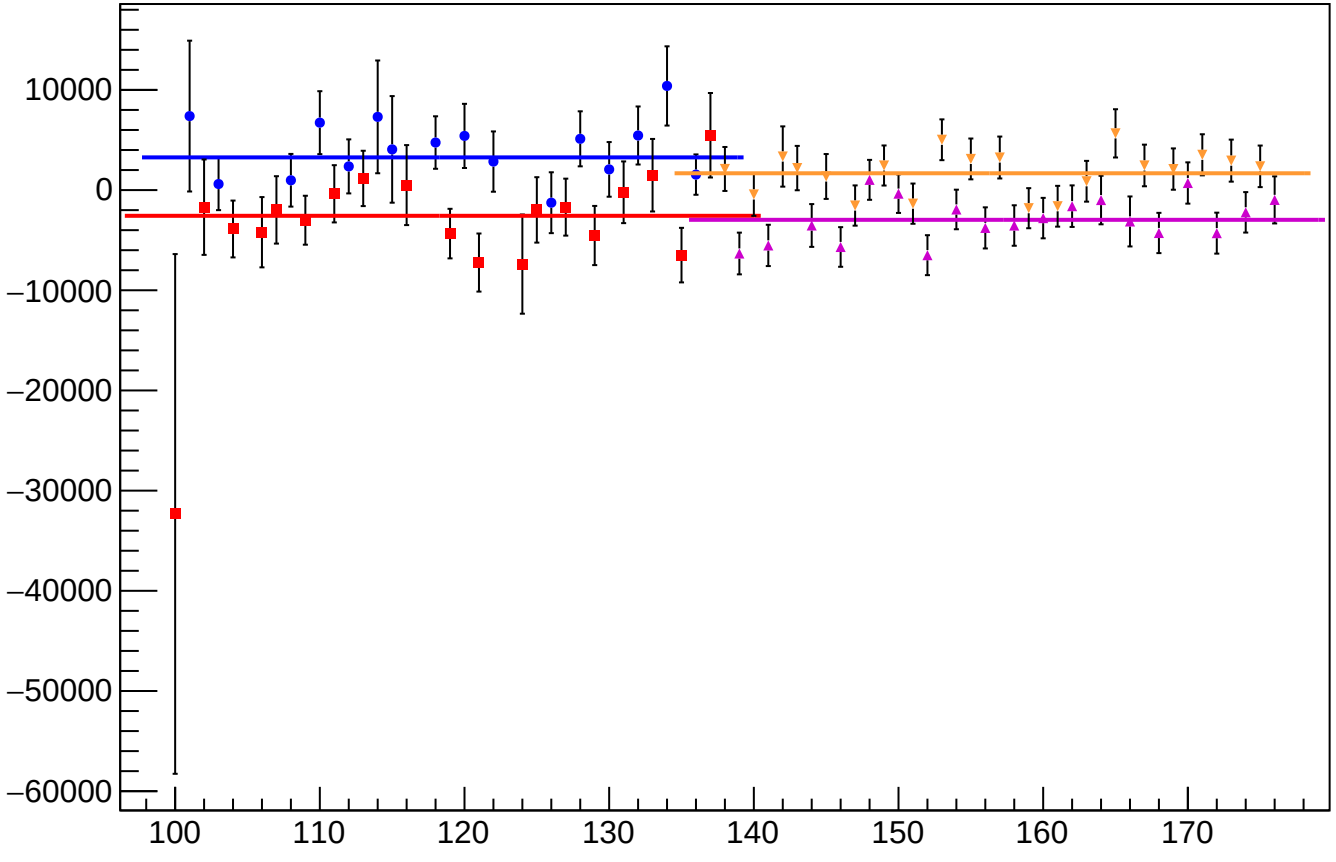
Left In: 4797.503+/-0.878 χ^2/NDF:1009846.8/18

+ sign 4669.958+/-0.701 χ^2/NDF: 1263366.4/35

All: 4399.439+/-0.476 χ^2/NDF: 6012926.1/73

- sign 4167.274+/-0.649 χ^2/NDF: 4472640.4/37

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1679.070+/-473.199 χ^2/NDF:20.2/19

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

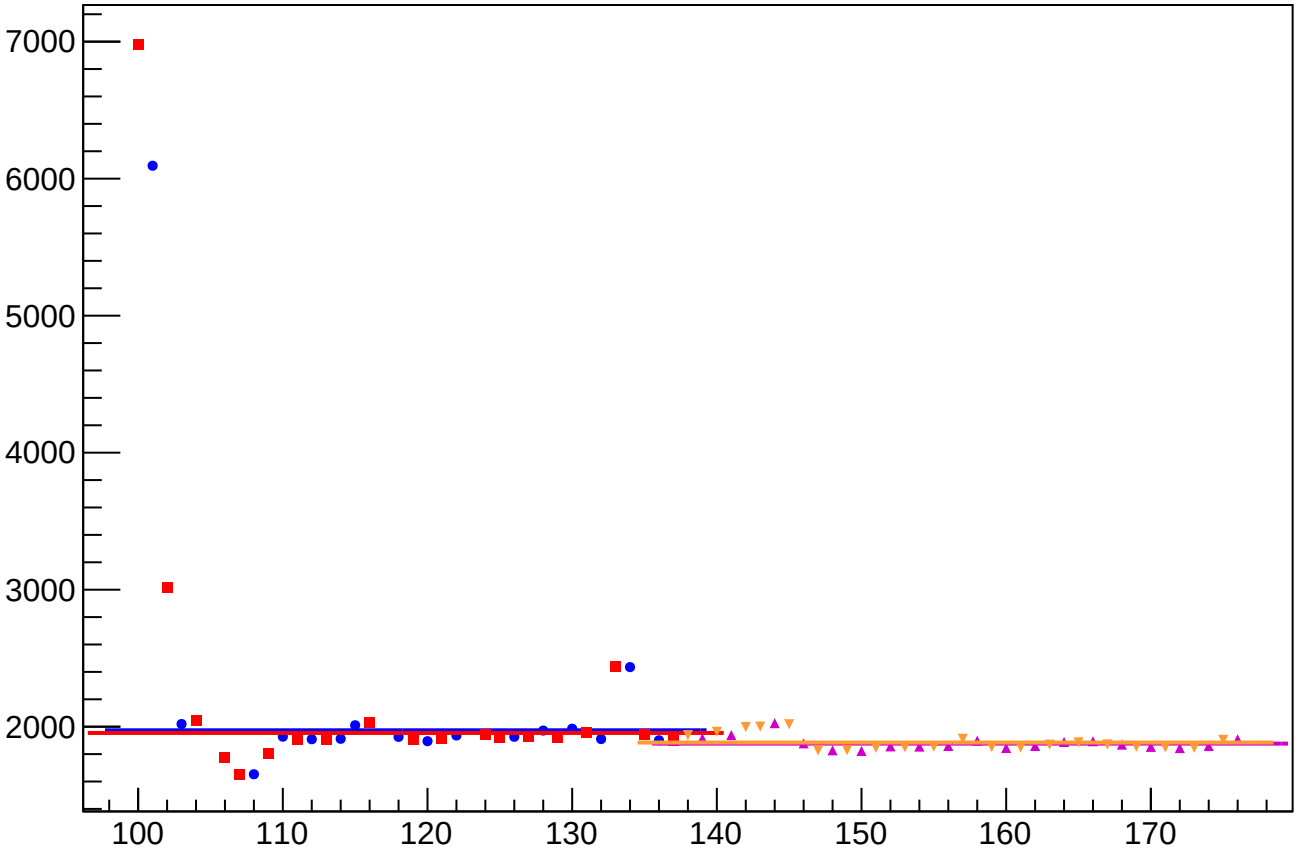
Left In: -2967.774+/-476.195 χ^2/NDF:21.6/18

+ sign 2129.787+/-400.332 χ^2/NDF: 35.5/35

All: -364.068+/-282.829 χ^2/NDF: 151.8/73

- sign -2849.164+/-399.629 χ^2/NDF: 38.8/37

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1884.540+/-0.335 χ^2/NDF:27914.7/19

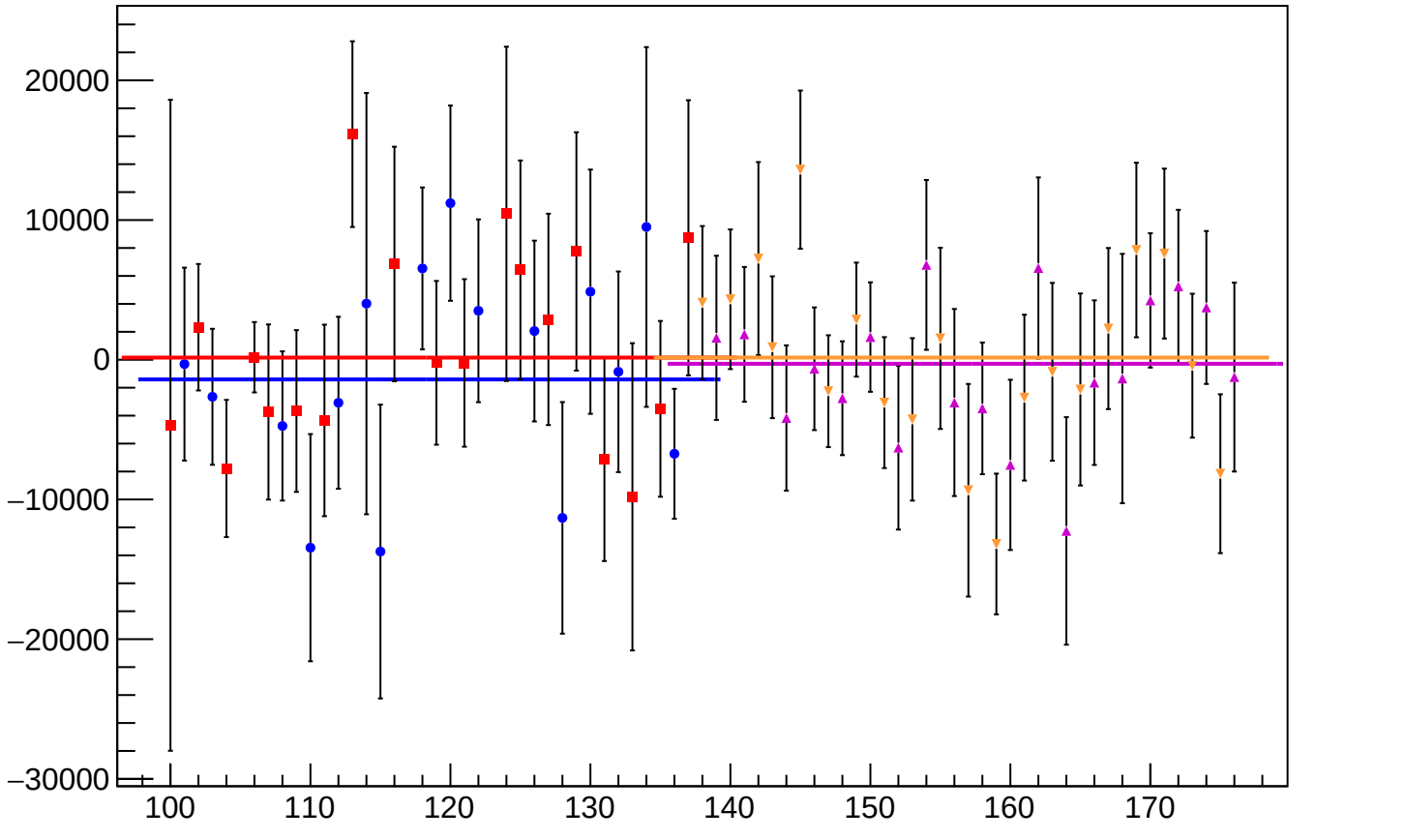
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1876.682+/-0.337 χ^2/NDF:17963.4/18

+ sign 1909.898+/-0.283 χ^2/NDF: 713244.2/35

All: 1904.776+/-0.200 χ^2/NDF: 993820.6/73

- sign 1899.675+/-0.283 χ^2/NDF: 279922.9/37



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 156.198+/-1223.468 χ^2/NDF:24.1/19

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

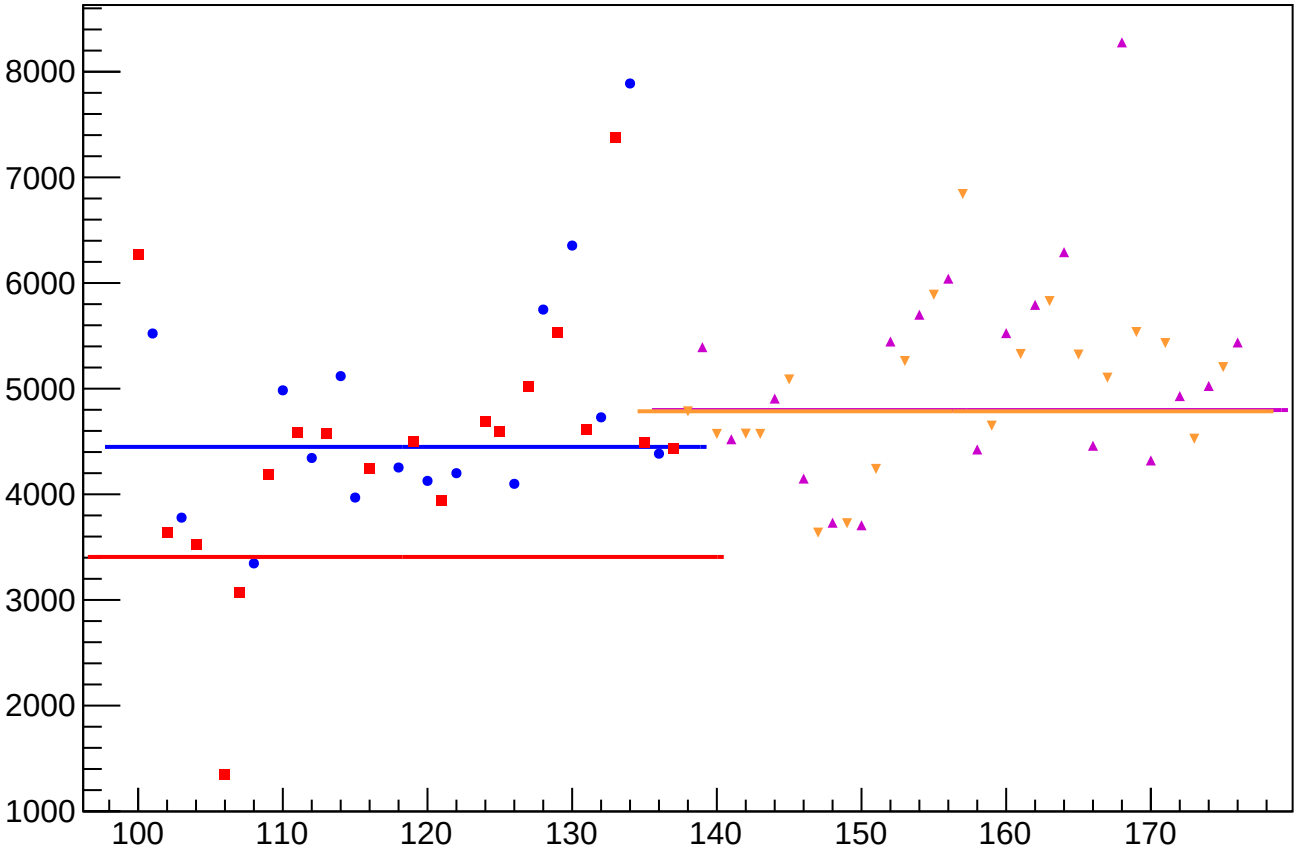
Left In: -287.507+/-1241.657 χ^2/NDF:11.7/18

+ sign -381.476+/-991.026 χ^2/NDF: 38.9/35

All: -222.898+/-673.496 χ^2/NDF: 66.5/73

- sign -86.803+/-918.086 χ^2/NDF: 27.6/37

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4785.922+/-0.865 χ^2/NDF:716509.1/19

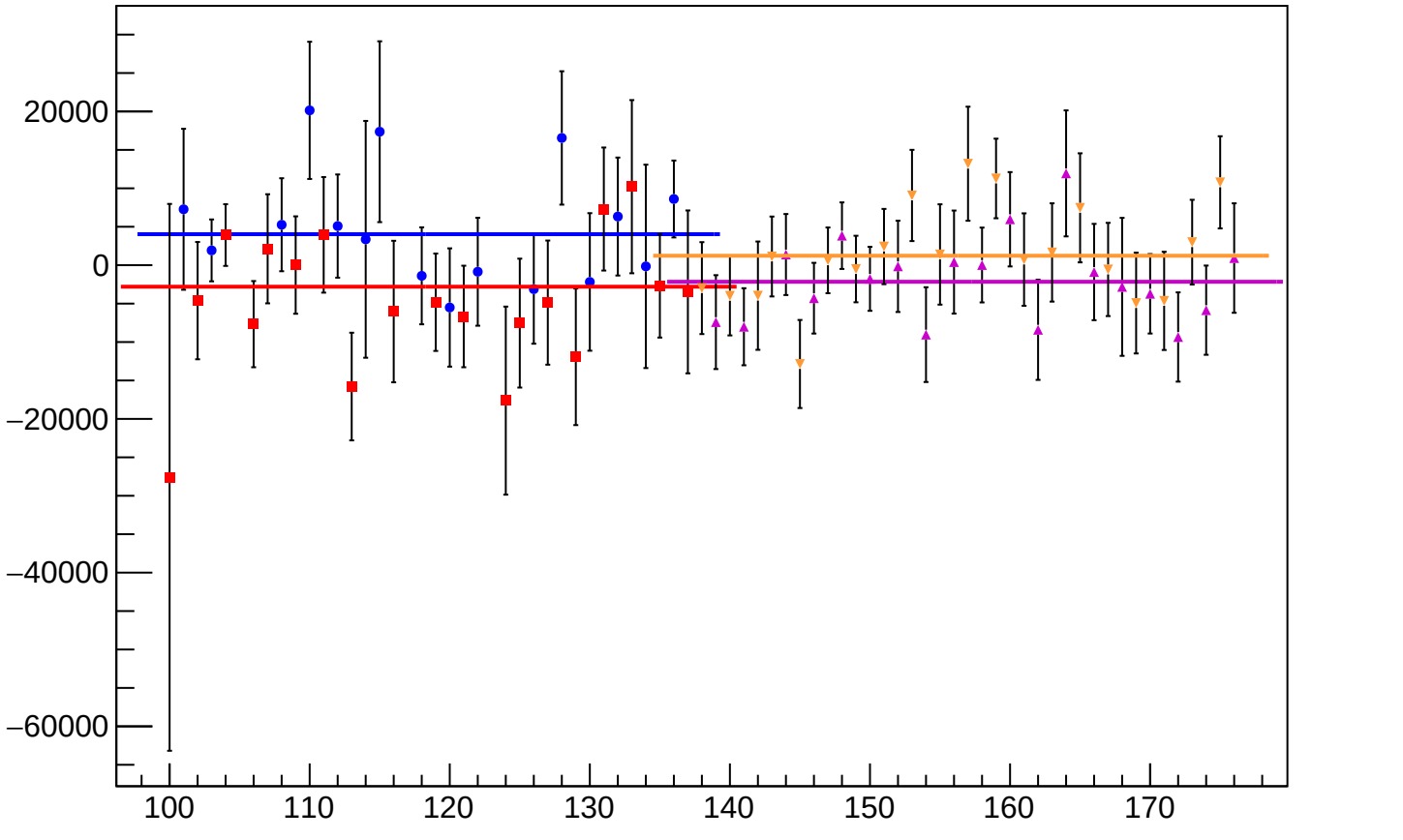
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4797.510+/-0.878 χ^2/NDF:1009847.1/18

+ sign 4669.960+/-0.701 χ^2/NDF: 1263367.8/35

All: 4399.438+/-0.476 χ^2/NDF: 6012962.4/73

- sign 4167.272+/-0.649 χ^2/NDF: 4472670.6/37



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1229.184+/-1272.079 χ^2/NDF:21.7/19

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

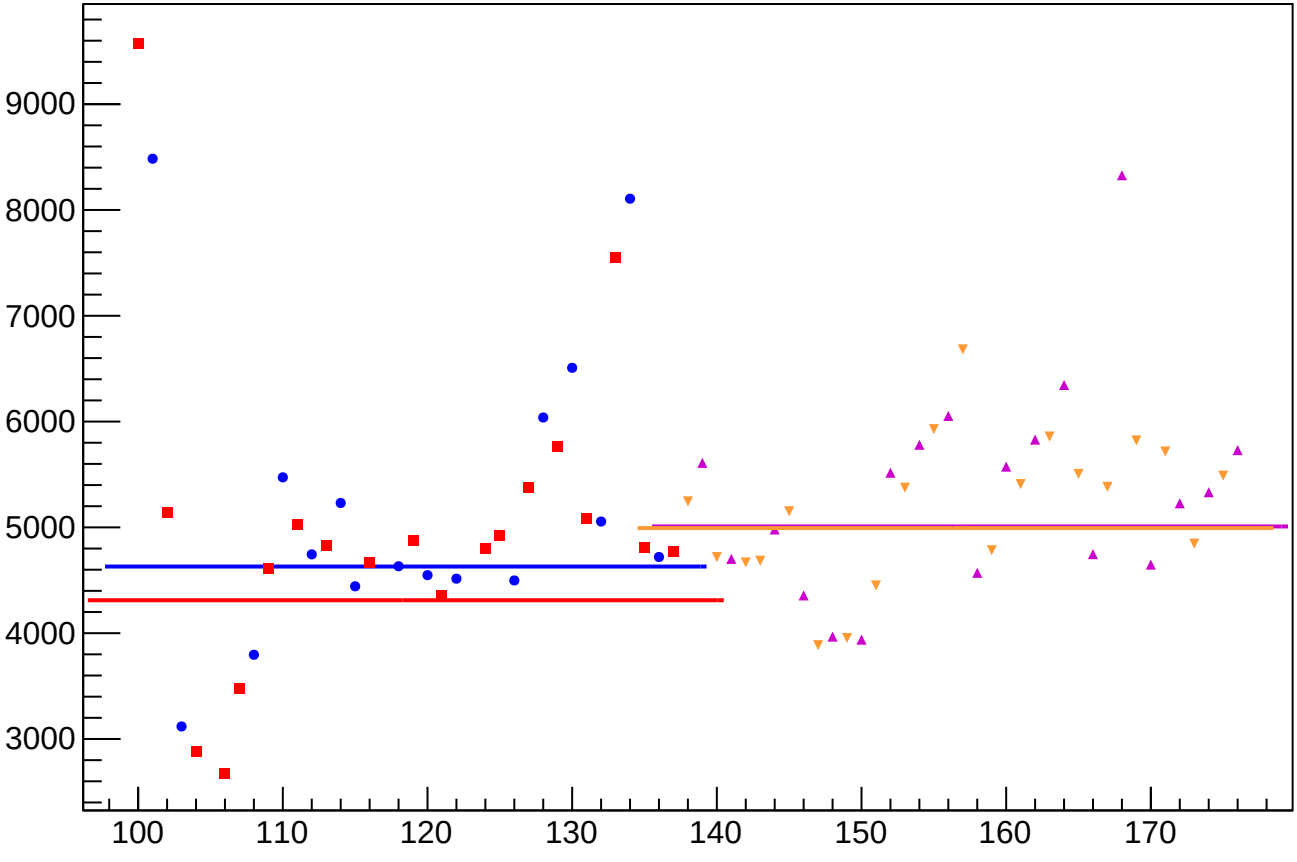
Left In: -2154.165+/-1291.729 χ^2/NDF:14.3/18

+ sign 2176.162+/-1035.353 χ^2/NDF: 35.7/35

All: -139.086+/-727.402 χ^2/NDF: 75.4/73

- sign -2395.785+/-1022.178 χ^2/NDF: 29.8/37

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4993.314+/-0.899 χ^2/NDF:589408.7/19

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

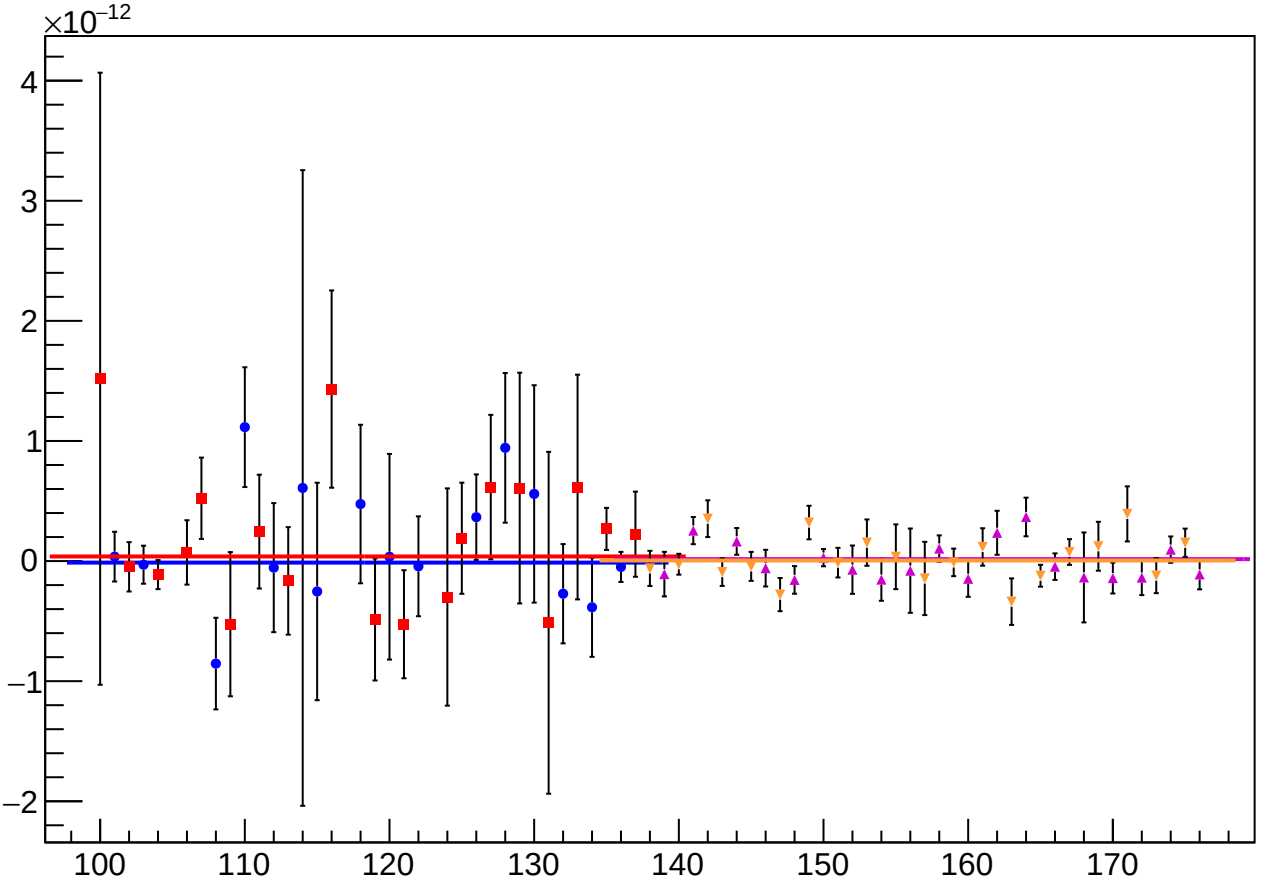
Left In: 5008.726+/-0.913 χ^2/NDF:843620.2/18

+ sign 4870.664+/-0.732 χ^2/NDF: 1544734.7/35

All: 4806.899+/-0.513 χ^2/NDF: 3528388.1/73

- sign 4745.151+/-0.720 χ^2/NDF: 1968721.1/37

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:28.1/19

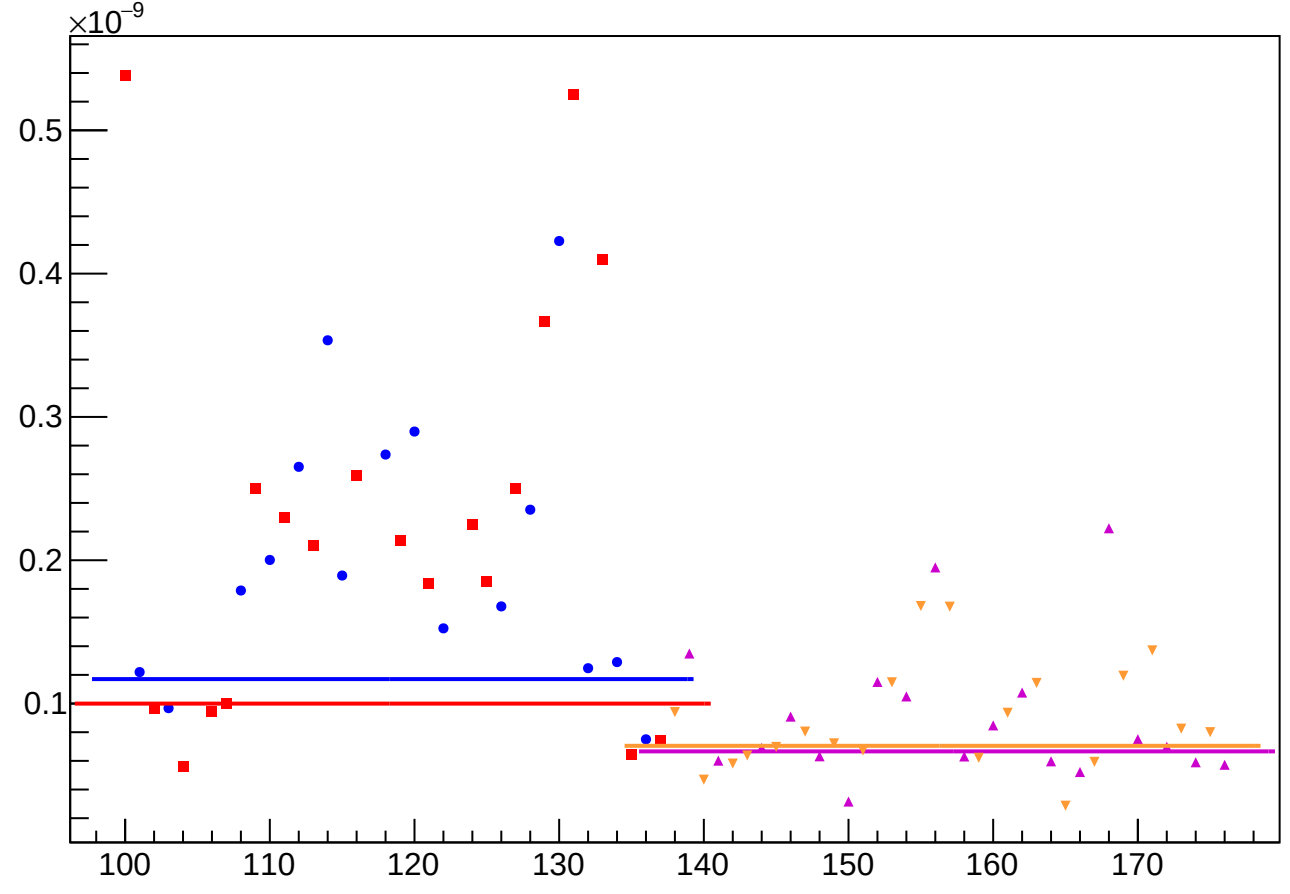
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:23.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 44.1/35

All: 0.000+/-0.000 χ^2/NDF: 82.3/73

- sign 0.000+/-0.000 χ^2/NDF: 38.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1713645.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

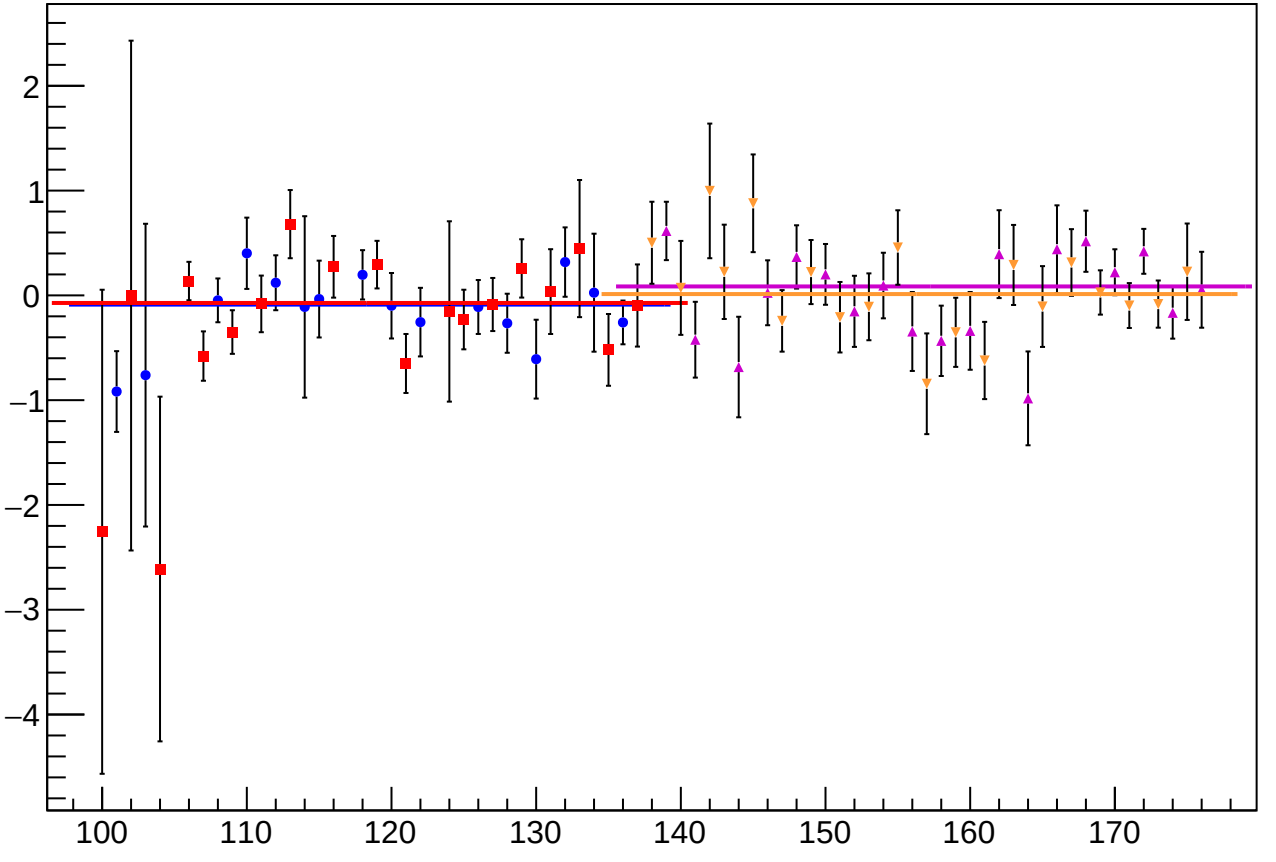
Left In: 0.000+/-0.000 χ^2/NDF:1828564.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 3471137.0/35

All: 0.000+/-0.000 χ^2/NDF: 7540848.4/73

- sign 0.000+/-0.000 χ^2/NDF: 4031956.3/37

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

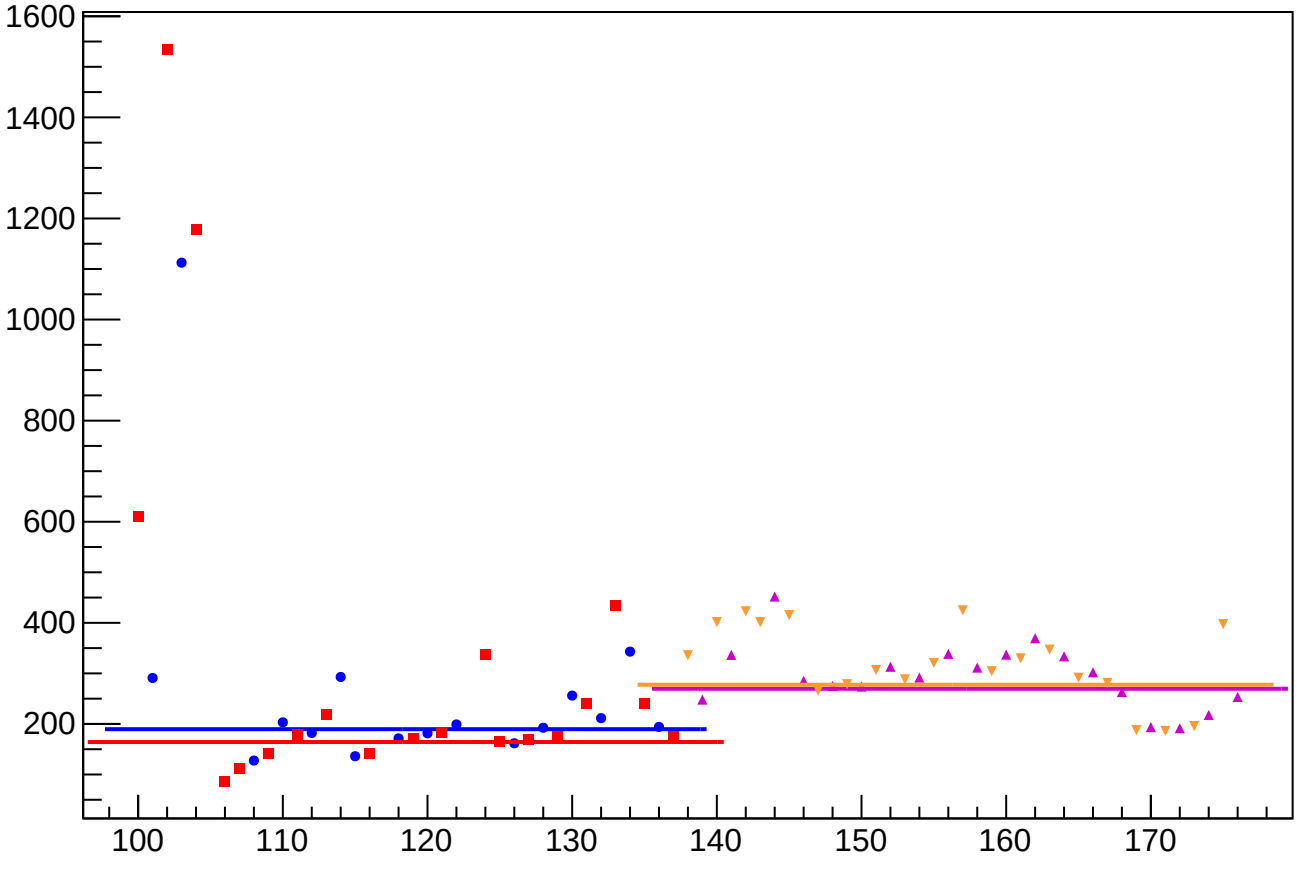
Left In: 0.085+/-0.072 χ^2/NDF:27.7/18

+ sign -0.036+/-0.053 χ^2/NDF: 35.3/35

All: -0.014+/-0.036 χ^2/NDF: 94.4/73

- sign 0.005+/-0.050 χ^2/NDF: 58.9/37

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 277.549+/-0.052 χ^2/NDF:2109312.8/19

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

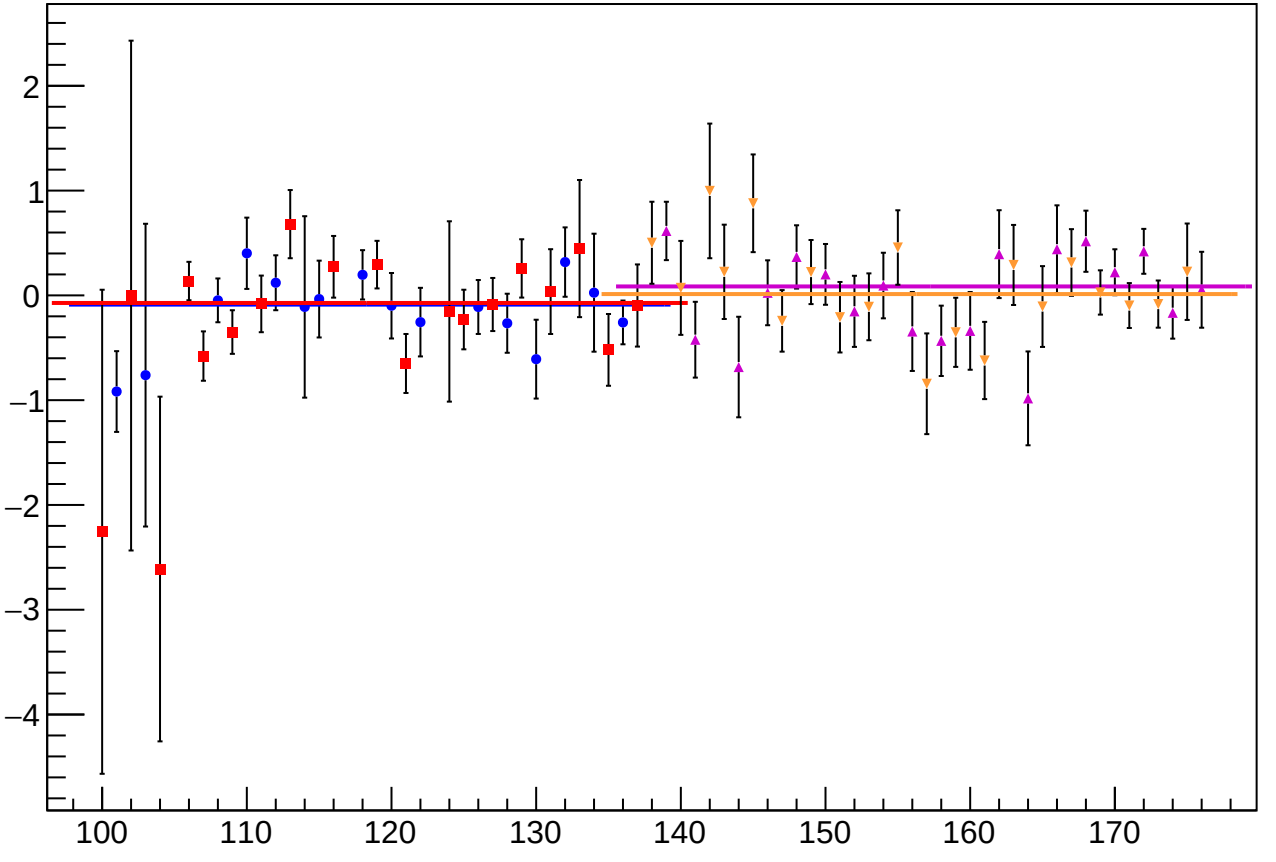
Left In: 269.641+/-0.051 χ^2/NDF:1348511.7/18

+ sign 235.524+/-0.038 χ^2/NDF: 4944185.9/35

All: 225.071+/-0.026 χ^2/NDF: 11295772.1/73

- sign 215.770+/-0.035 χ^2/NDF: 6204972.5/37

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: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

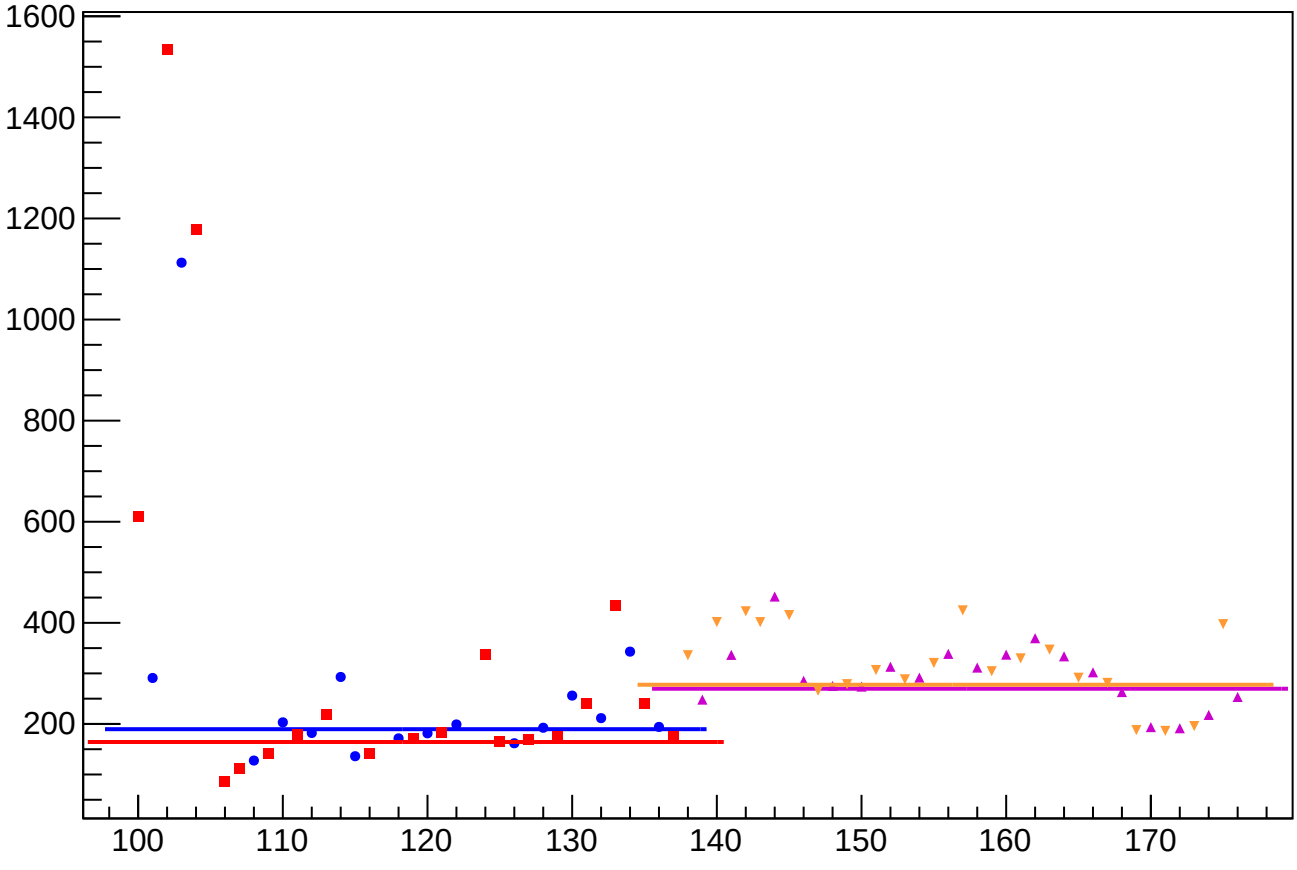
Left In: 0.085+/-0.072 χ^2/NDF:27.7/18

+ sign -0.036+/-0.053 χ^2/NDF: 35.3/35

All: -0.014+/-0.036 χ^2/NDF: 94.4/73

- sign 0.005+/-0.050 χ^2/NDF: 58.9/37

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: 277.549+/-0.052 χ^2/NDF:2109312.8/19

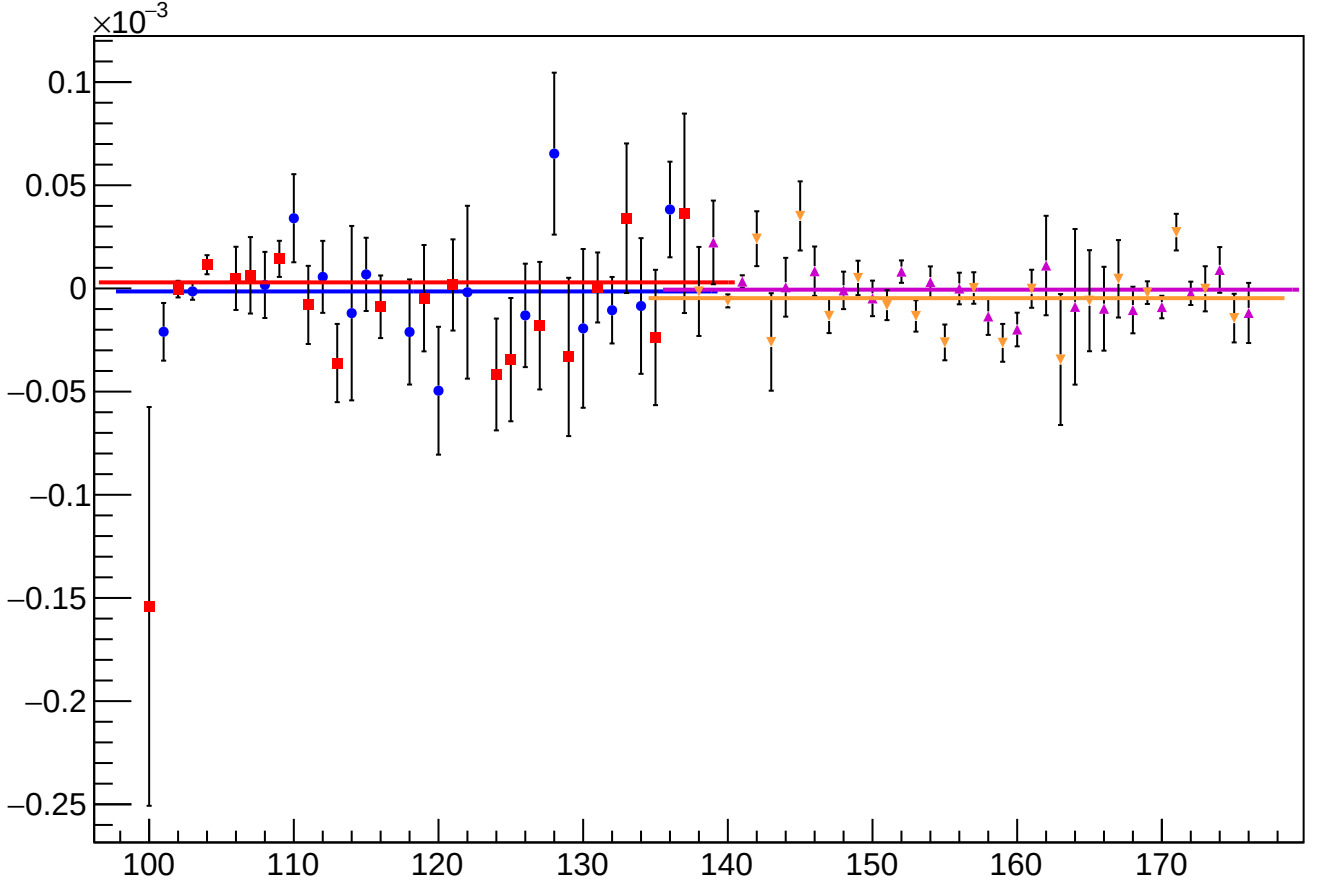
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 269.641+/-0.051 χ^2/NDF:1348511.7/18

+ sign 235.524+/-0.038 χ^2/NDF: 4944185.9/35

All: 225.071+/-0.026 χ^2/NDF: 11295772.1/73

- sign 215.770+/-0.035 χ^2/NDF: 6204972.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.9/19

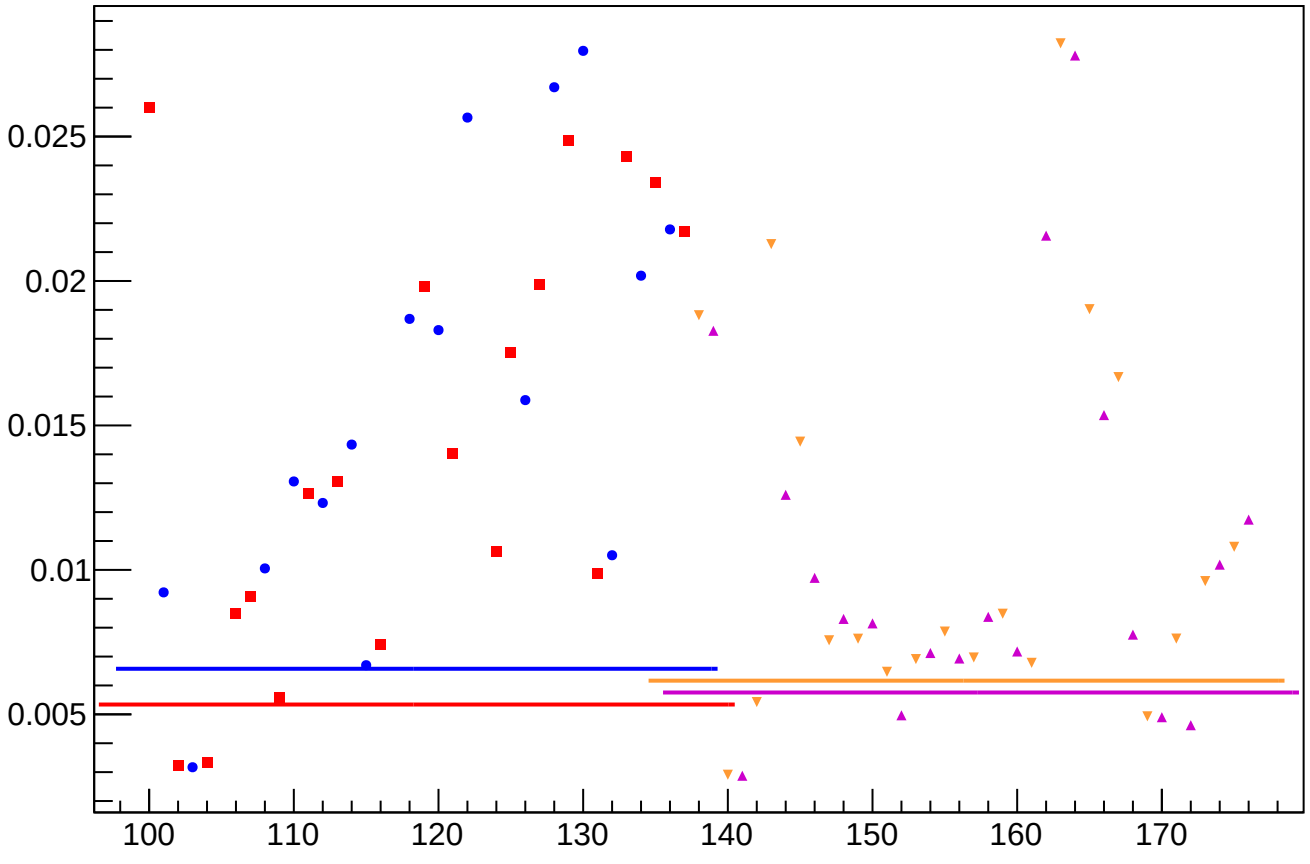
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 58.5/35

All: -0.000+/-0.000 χ^2/NDF: 104.7/73

- sign 0.000+/-0.000 χ^2/NDF: 41.9/37



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:7288104.5/19

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

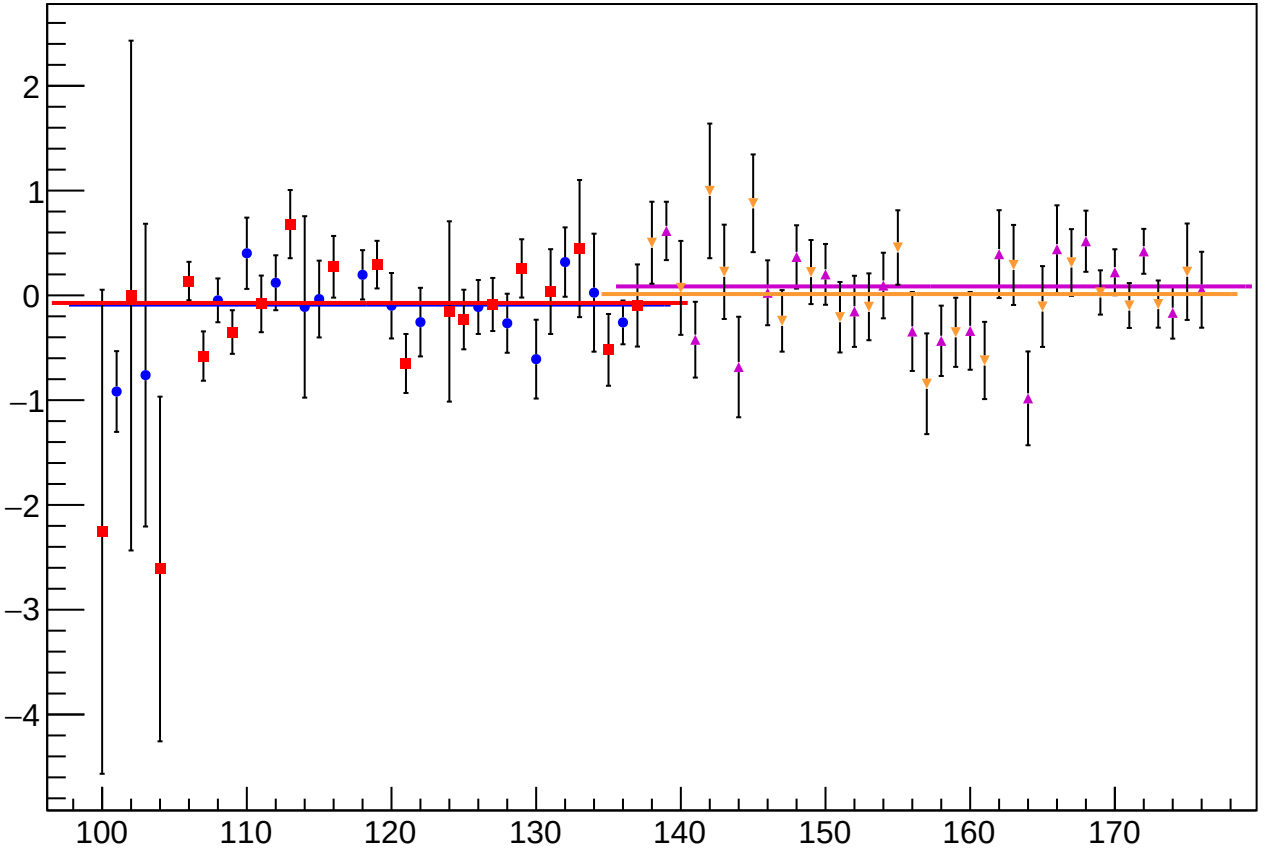
Left In: 0.006+/-0.000 χ^2/NDF:6756837.4/18

+ sign 0.006+/-0.000 χ^2/NDF: 13239740.7/35

All: 0.006+/-0.000 χ^2/NDF: 25893759.4/73

- sign 0.006+/-0.000 χ^2/NDF: 12478897.6/37

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: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

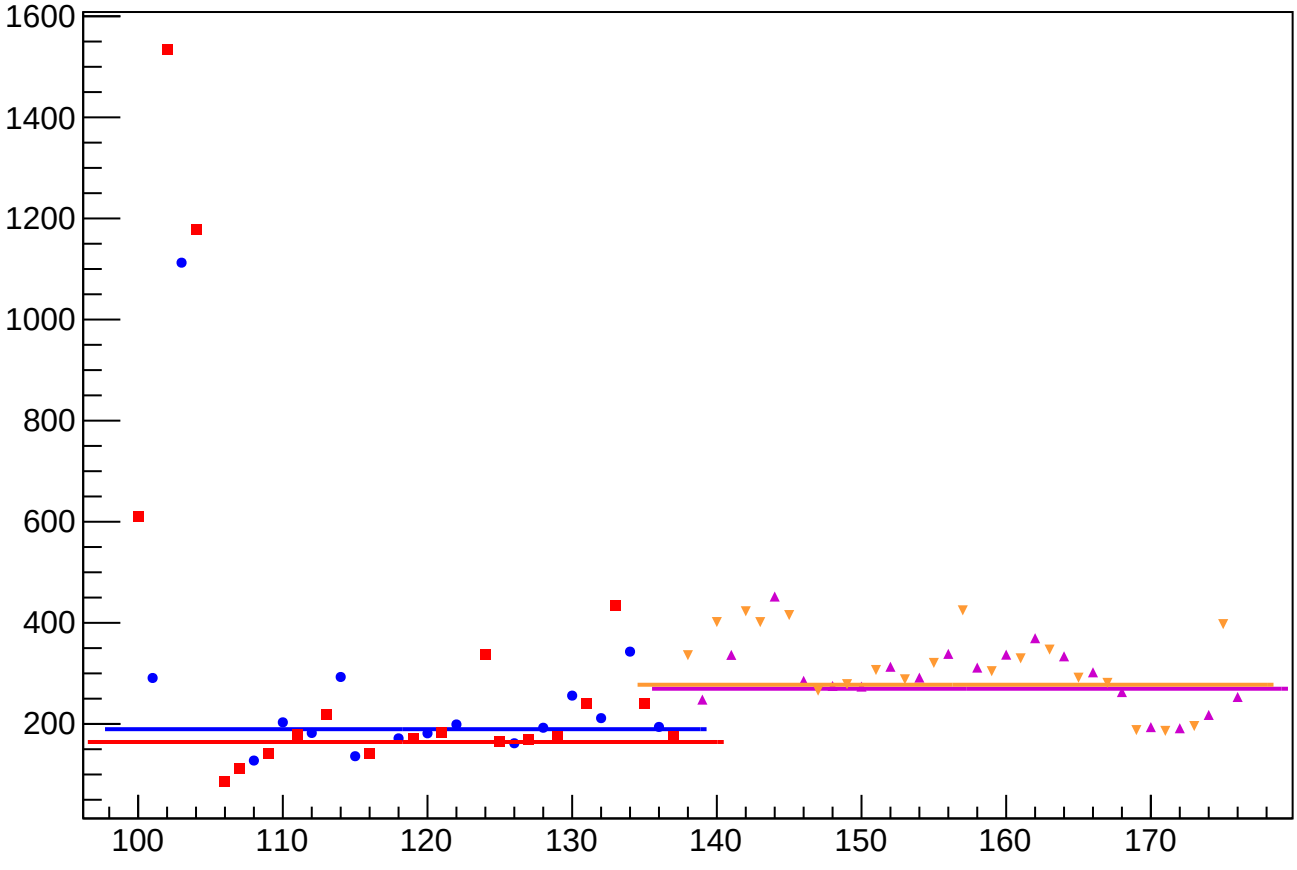
Left In: 0.085+/-0.072 χ^2/NDF:27.7/18

+ sign -0.036+/-0.053 χ^2/NDF: 35.3/35

All: -0.014+/-0.036 χ^2/NDF: 94.4/73

- sign 0.005+/-0.050 χ^2/NDF: 58.9/37

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: 277.551+/-0.052 χ^2/NDF:2109399.6/19

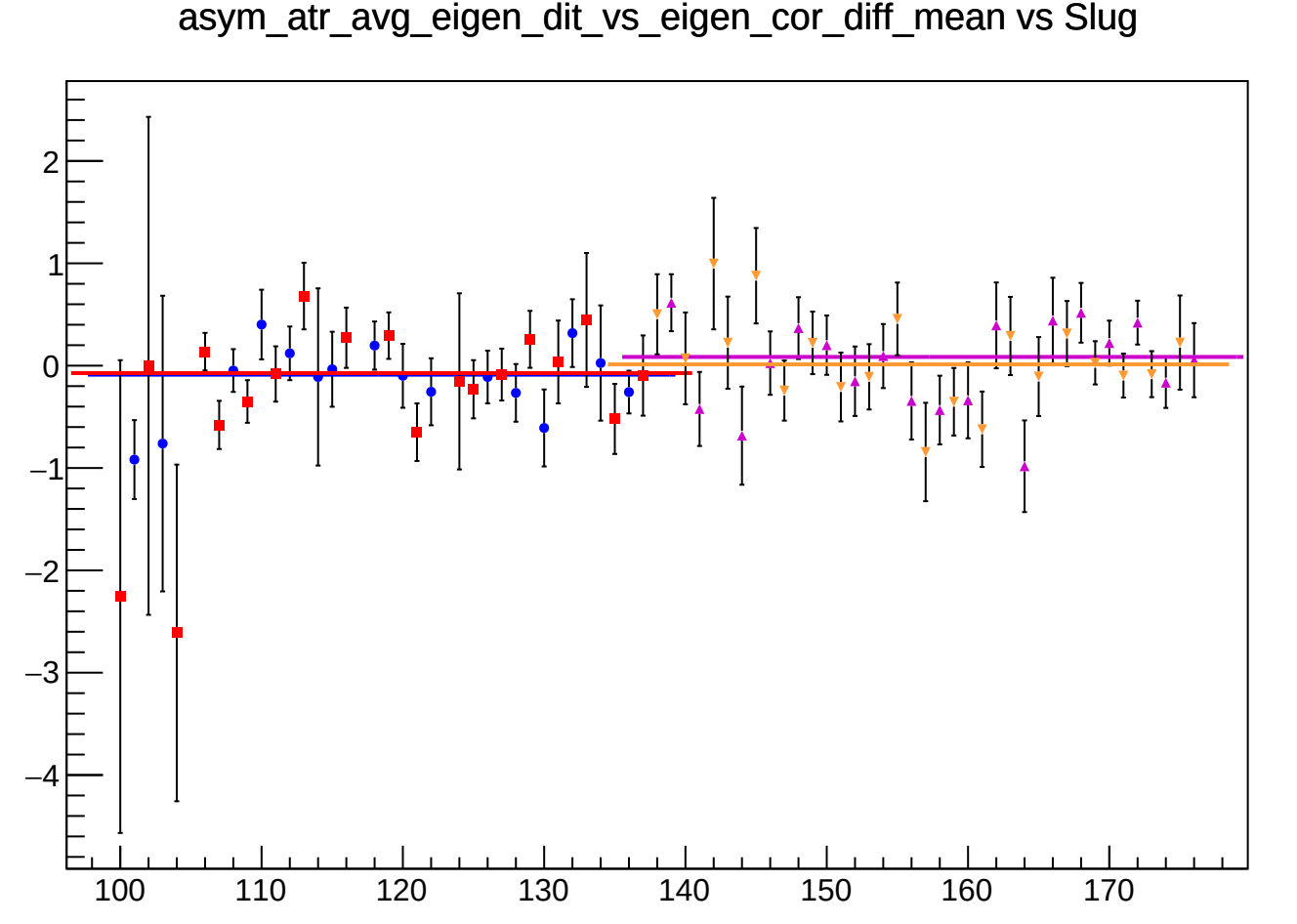
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 269.643+/-0.051 χ^2/NDF:1348564.4/18

+ sign 235.525+/-0.038 χ^2/NDF: 4944347.2/35

All: 225.071+/-0.026 χ^2/NDF: 11296089.5/73

- sign 215.770+/-0.035 χ^2/NDF: 6205125.6/37



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.073 χ^2/NDF:20.5/19

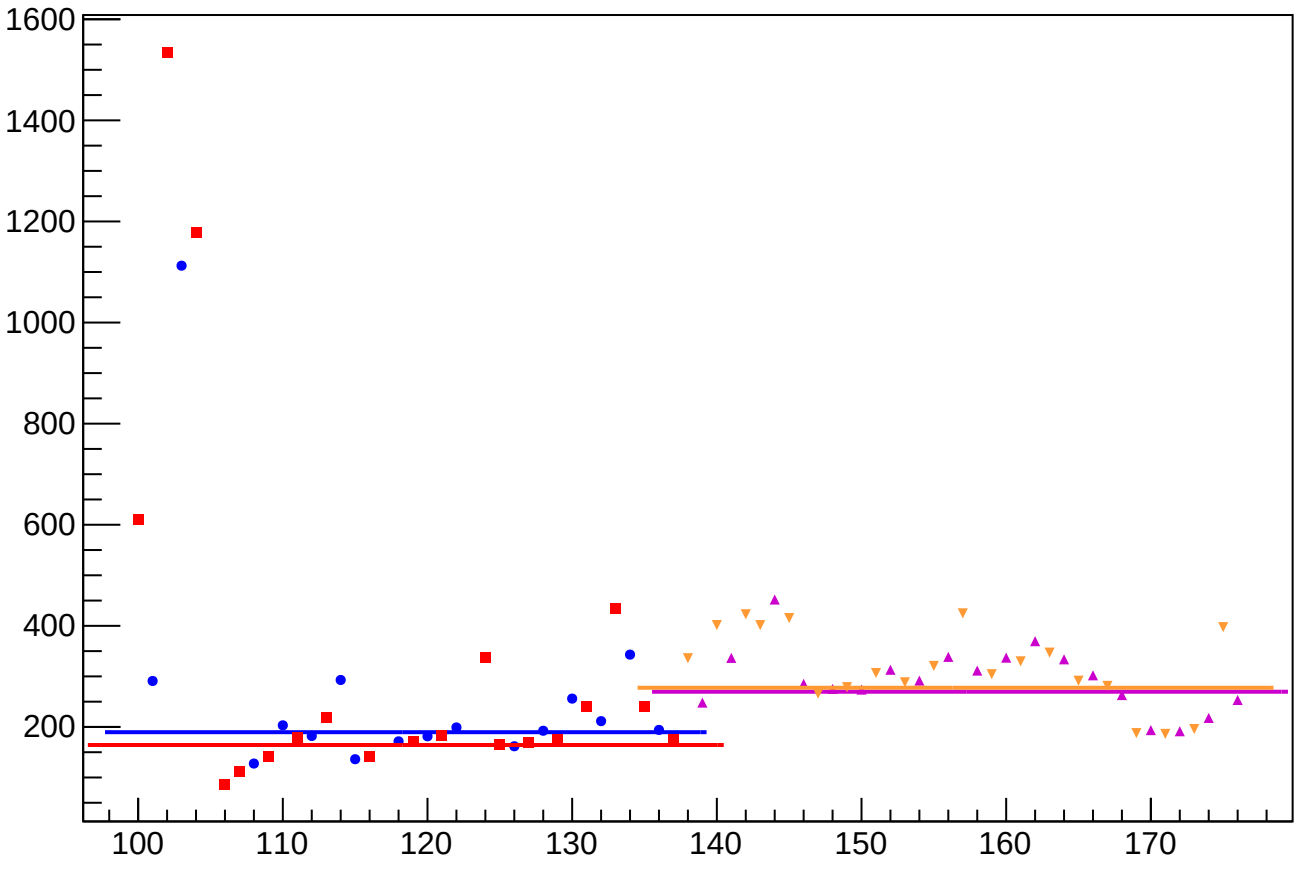
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

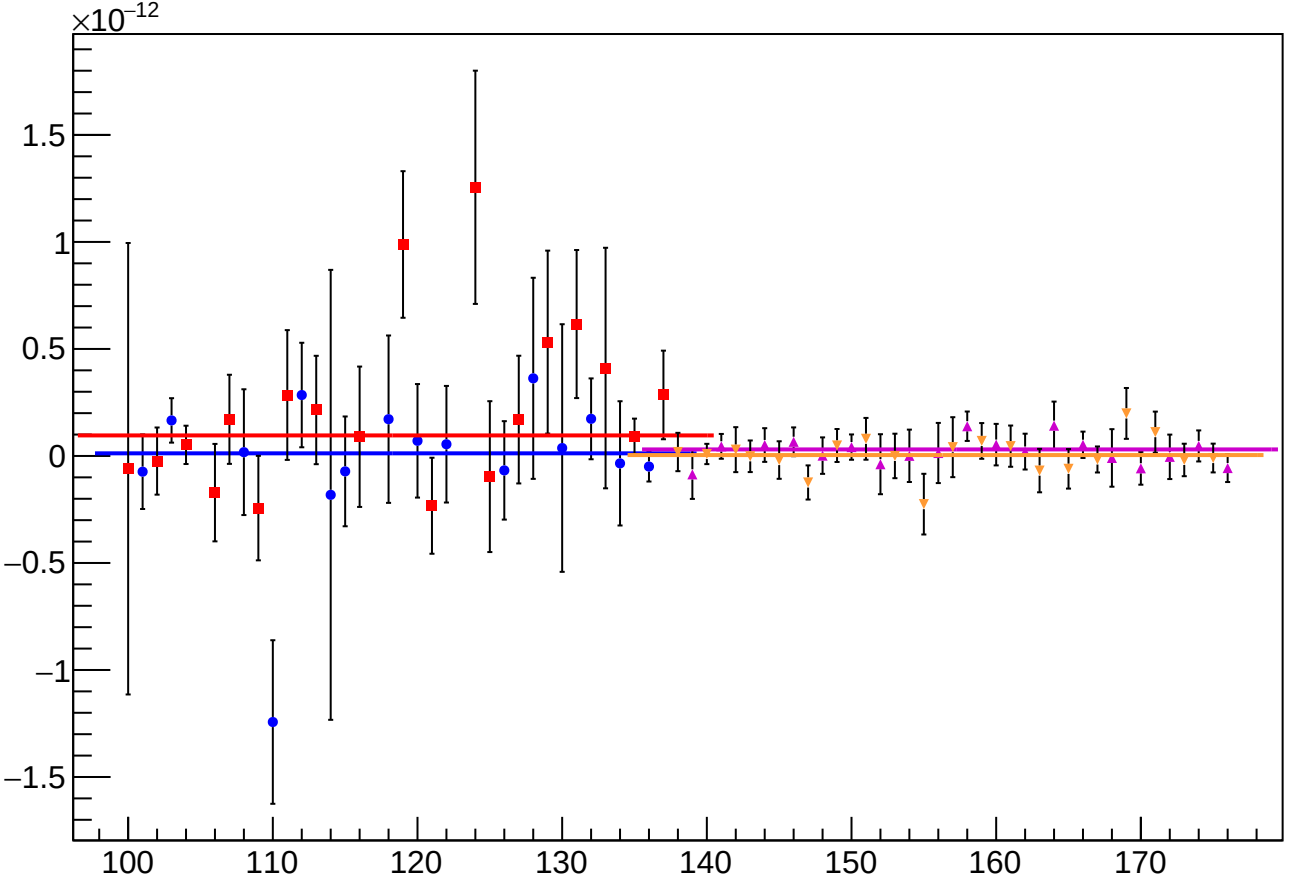
Left In: 0.085+/-0.072 χ^2/NDF:27.7/18

+ sign -0.036+/-0.053 χ^2/NDF: 35.3/35

All: -0.014+/-0.036 χ^2/NDF: 94.4/73

- sign 0.005+/-0.050 χ^2/NDF: 58.9/37


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 189.628+/-0.054 χ²/NDF: 1465464.1/15
Left Out: 277.551+/-0.052 χ²/NDF:2109399.6/19
Right Out: 164.286+/-0.050 χ²/NDF: 2643465.6/18
Left In: 269.643+/-0.051 χ²/NDF:1348564.4/18
+ sign 235.525+/-0.038 χ²/NDF: 4944347.2/35
All: 225.071+/-0.026 χ²/NDF: 11296089.5/73
- sign 215.770+/-0.035 χ²/NDF: 6205125.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

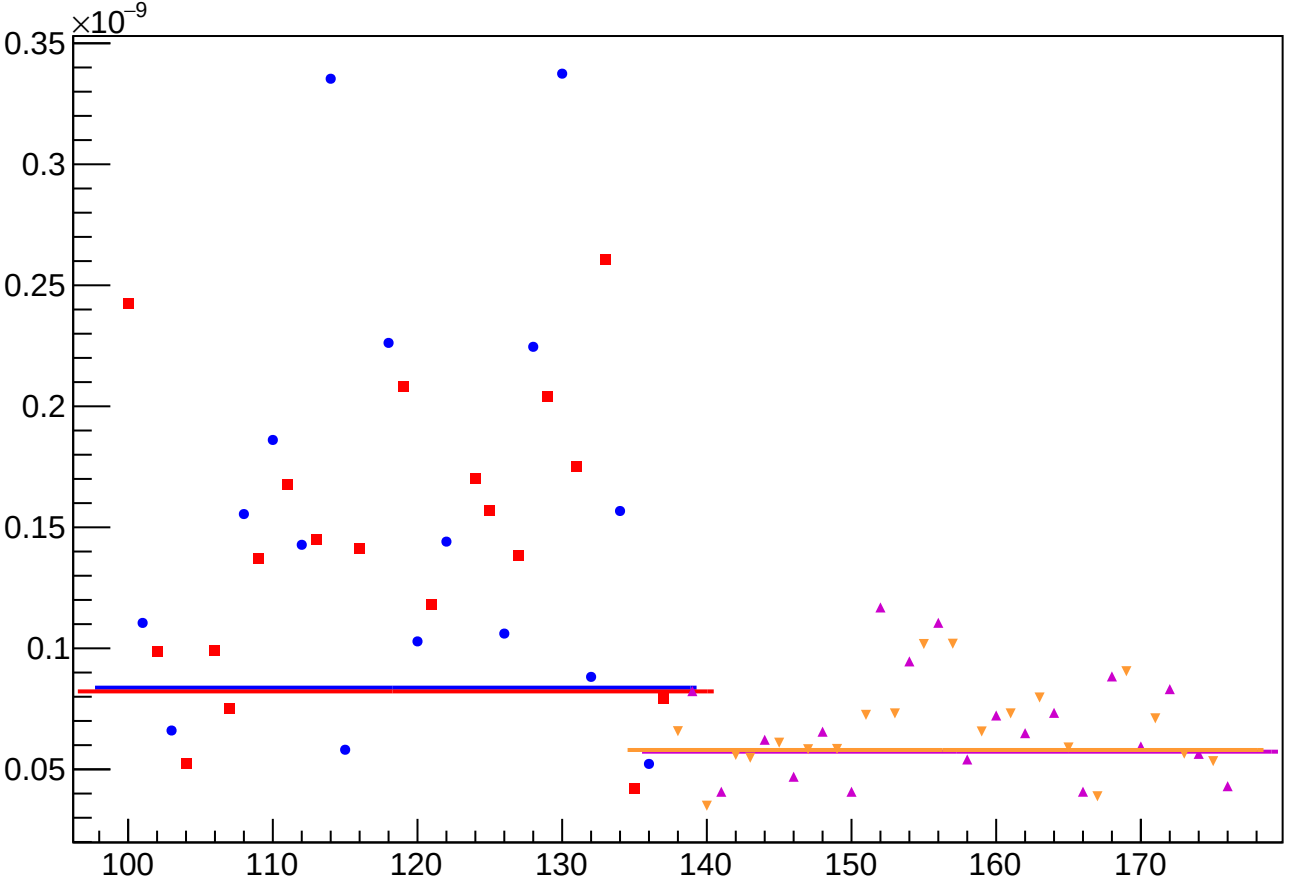
Left In: 0.000+/-0.000 χ^2/NDF:8.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/35

All: 0.000+/-0.000 χ^2/NDF: 65.4/73

- sign 0.000+/-0.000 χ^2/NDF: 33.9/37

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:1521046.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

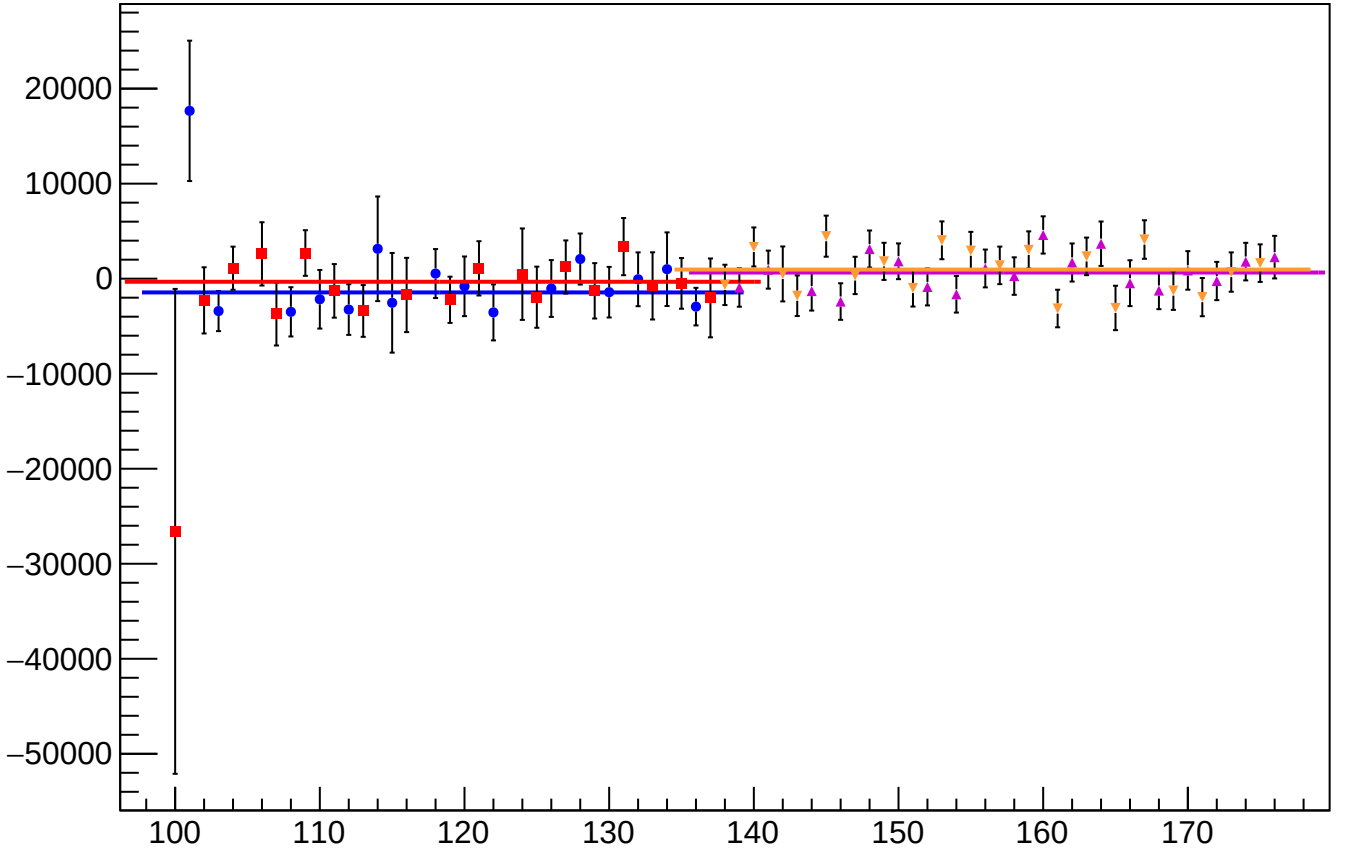
Left In: 0.000+/-0.000 χ^2/NDF:1904540.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 4178078.7/35

All: 0.000+/-0.000 χ^2/NDF: 8884458.9/73

- sign 0.000+/-0.000 χ^2/NDF: 4704756.3/37

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 957.318+/-459.461 χ^2/NDF:25.7/19

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

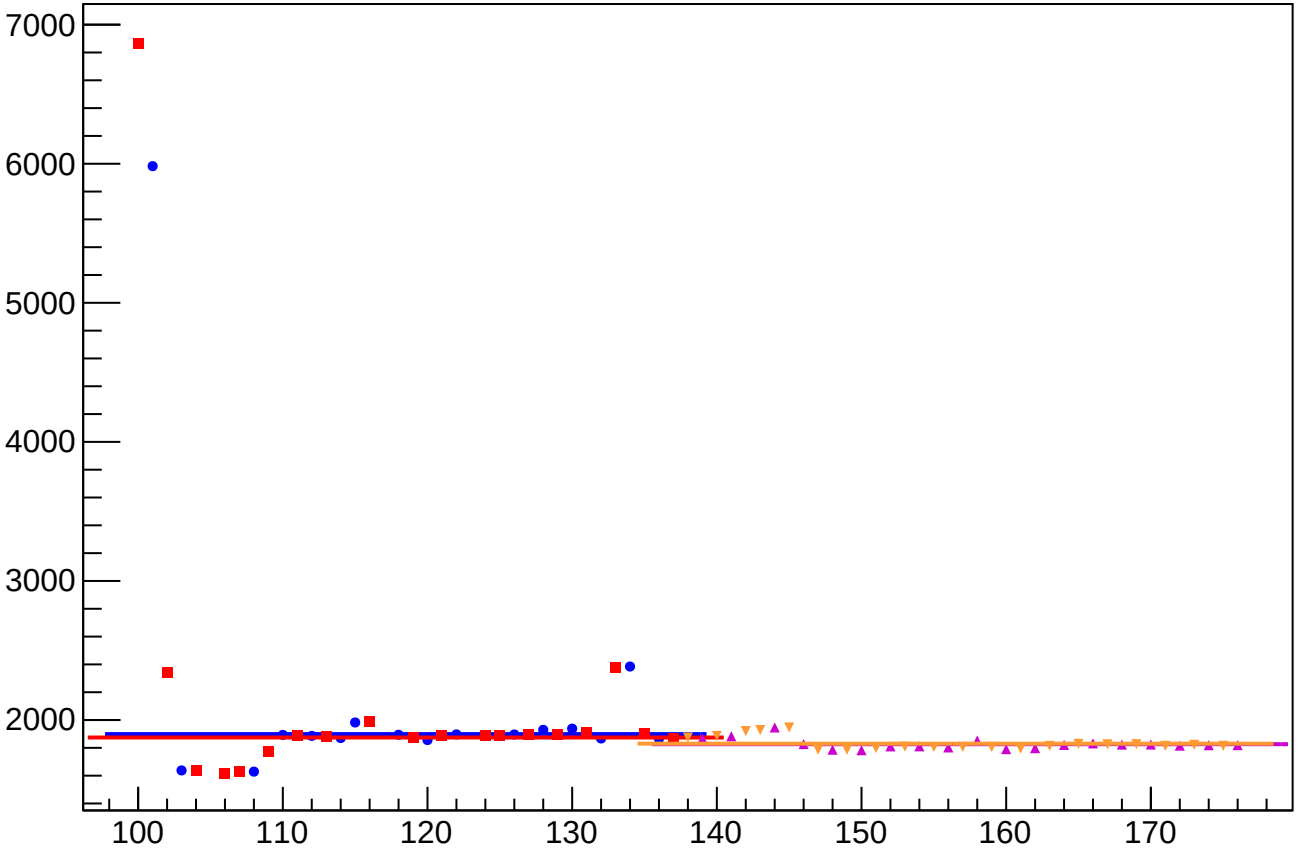
Left In: 646.915+/-463.345 χ^2/NDF:16.4/18

+ sign 265.981+/-387.804 χ^2/NDF: 47.1/35

All: 309.146+/-273.868 χ^2/NDF: 74.8/73

- sign 352.092+/-386.814 χ^2/NDF: 27.7/37

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1830.216+/-0.325 χ^2/NDF:18986.0/19

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

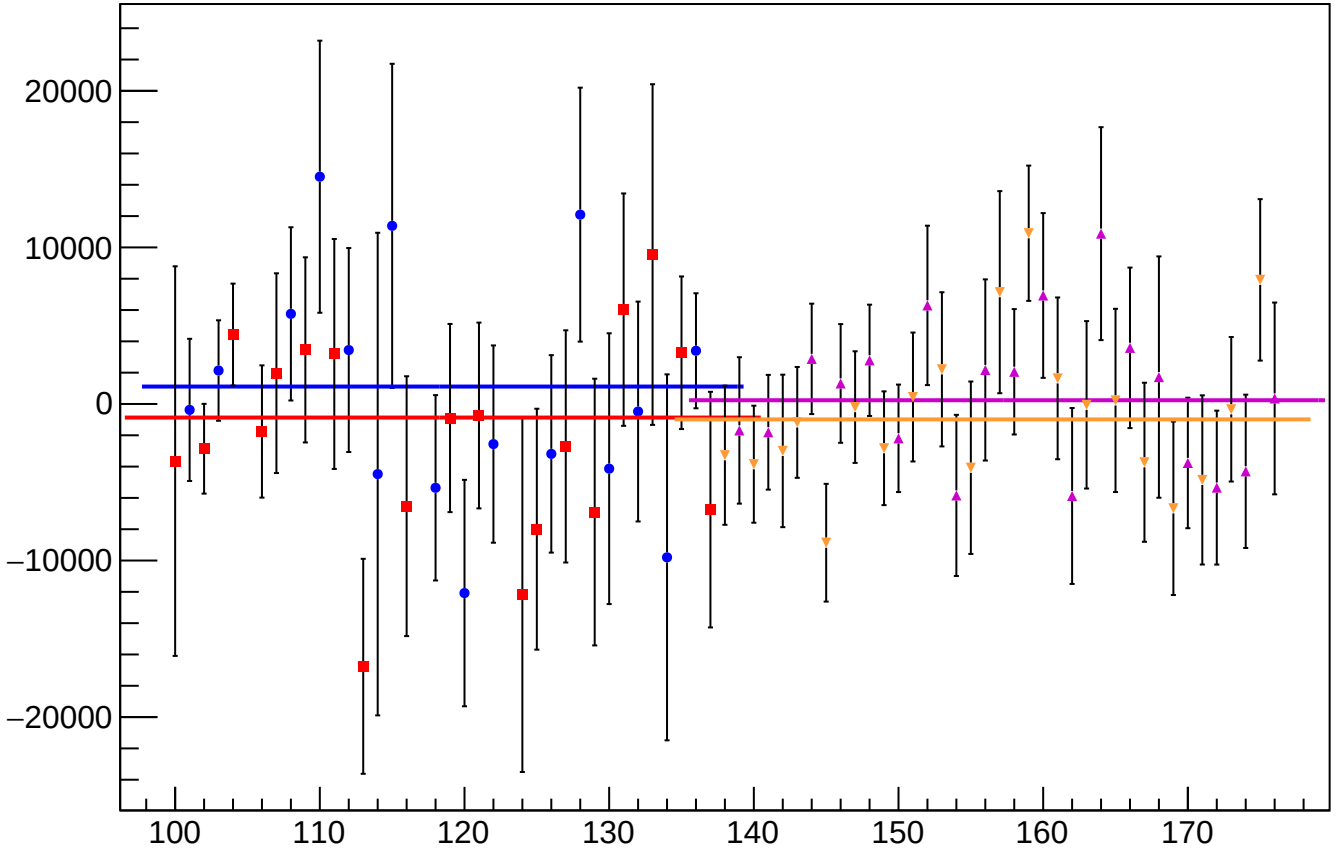
Left In: 1826.285+/-0.328 χ^2/NDF:13271.4/18

+ sign 1849.948+/-0.274 χ^2/NDF: 729326.1/35

All: 1845.403+/-0.194 χ^2/NDF: 957329.1/73

- sign 1840.890+/-0.273 χ^2/NDF: 227455.5/37

asym_atr_dd_reg_correction_mean vs Slug



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -985.987+/-1014.364 χ^2/NDF:20.9/19

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

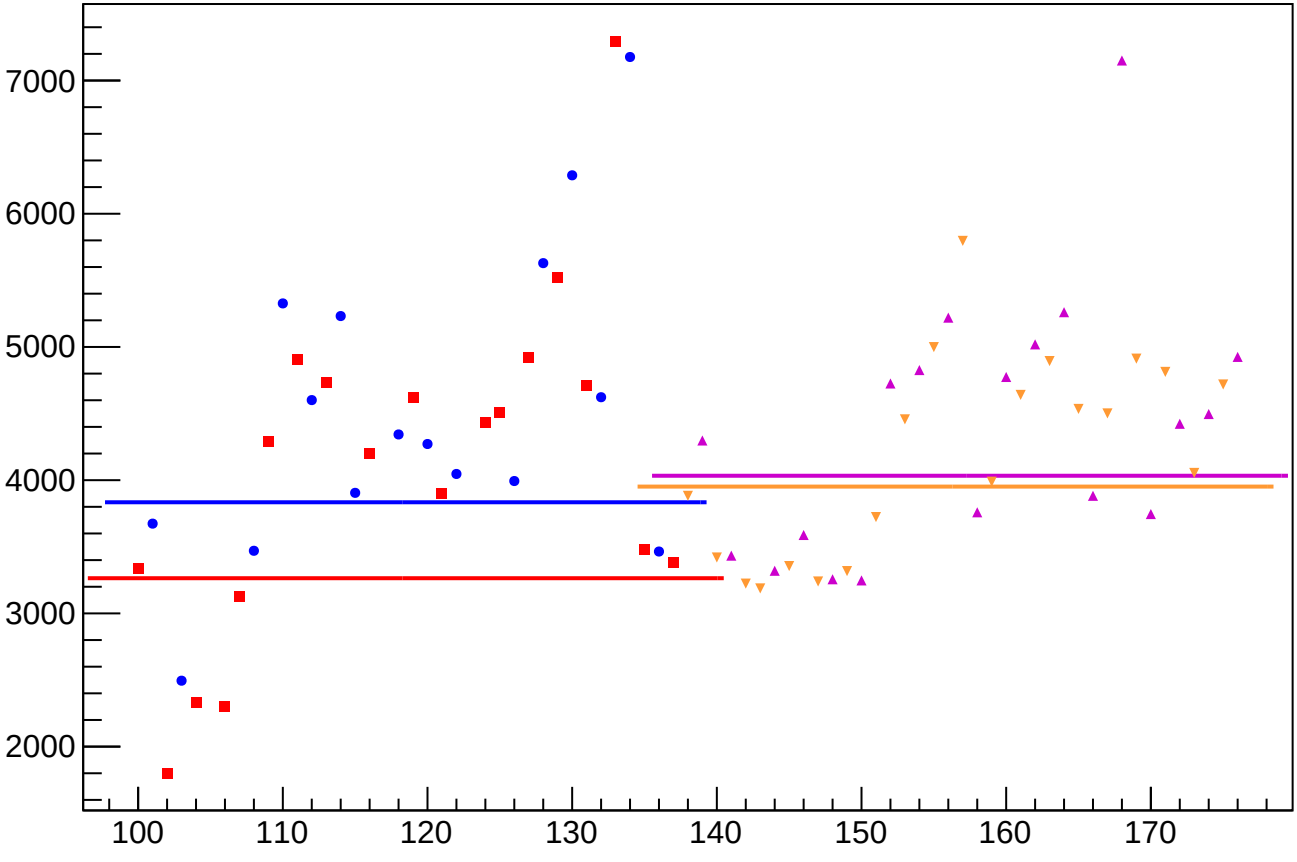
Left In: 238.748+/-1045.755 χ^2/NDF:14.1/18

+ sign -314.769+/-836.572 χ^2/NDF: 35.7/35

All: -252.282+/-584.358 χ^2/NDF: 65.8/73

- sign -192.742+/-816.605 χ^2/NDF: 30.1/37

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3951.885+/-0.717 χ^2/NDF:929970.2/19

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

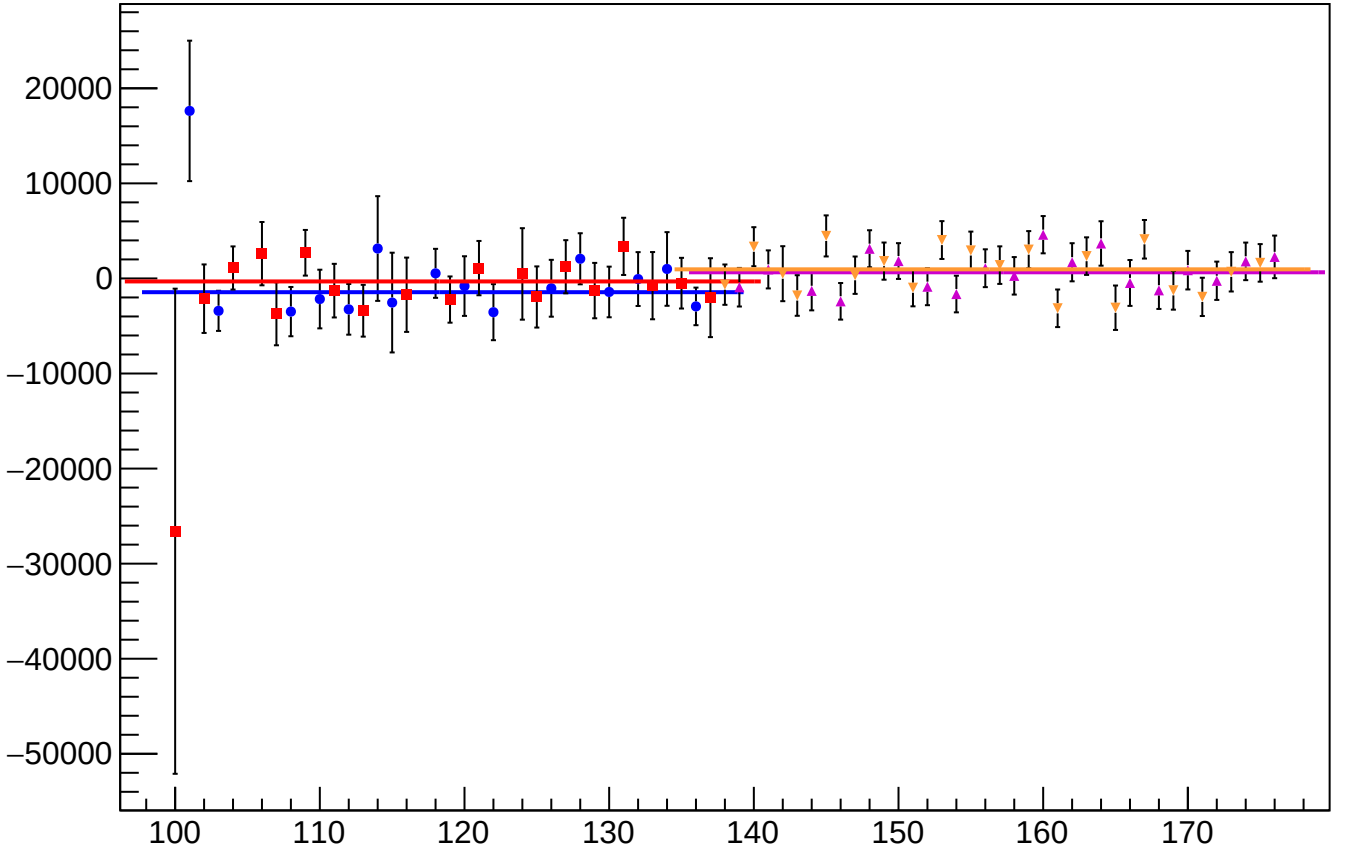
Left In: 4033.267+/-0.739 χ^2/NDF:1125537.5/18

+ sign 3914.235+/-0.592 χ^2/NDF: 1895361.1/35

All: 3821.488+/-0.413 χ^2/NDF: 5355349.8/73

- sign 3733.116+/-0.577 χ^2/NDF: 3411984.0/37

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 957.402+/-459.461 χ^2/NDF:25.7/19

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

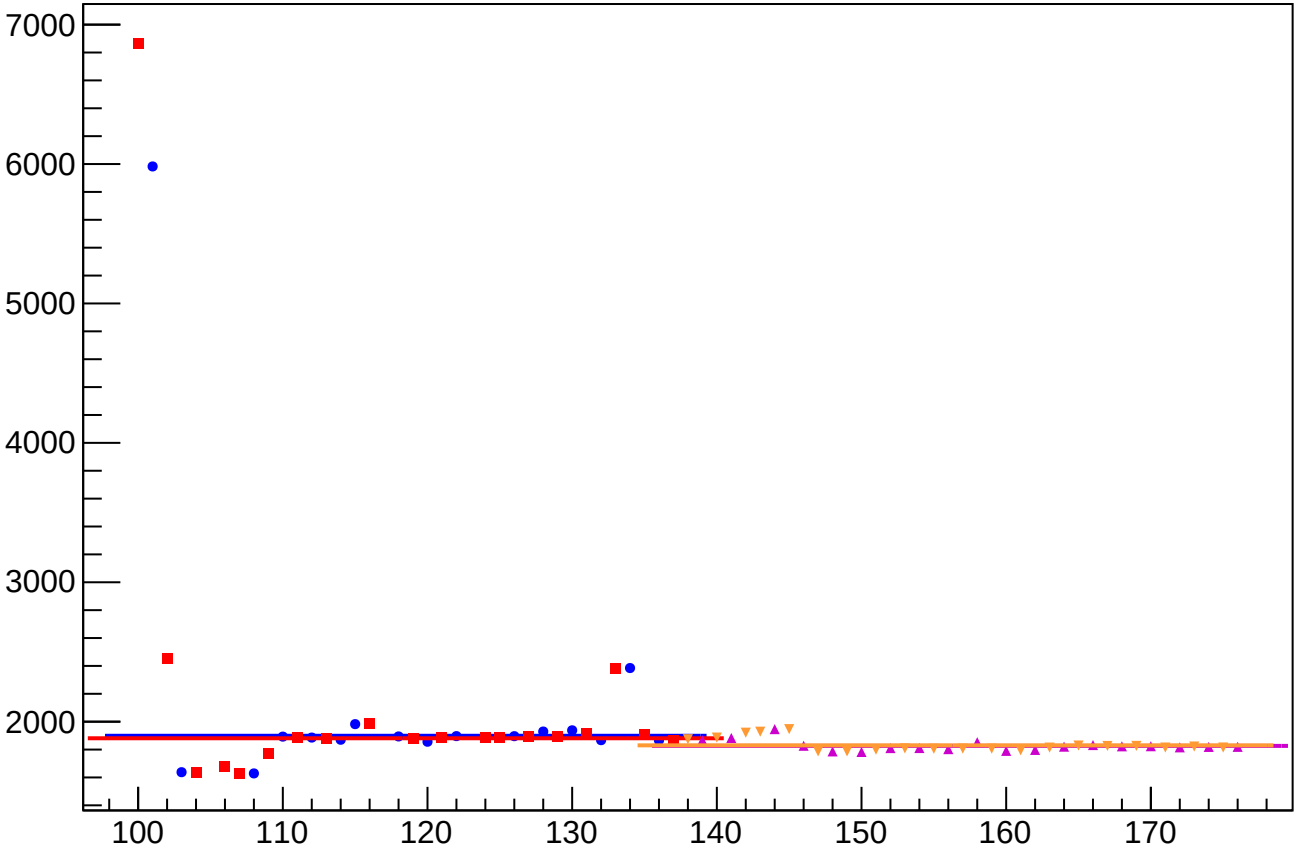
Left In: 646.825+/-463.345 χ^2/NDF:16.4/18

+ sign 265.930+/-387.804 χ^2/NDF: 47.1/35

All: 310.932+/-273.924 χ^2/NDF: 74.7/73

- sign 355.742+/-386.972 χ^2/NDF: 27.6/37

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1830.216+/-0.325 χ^2/NDF:18986.0/19

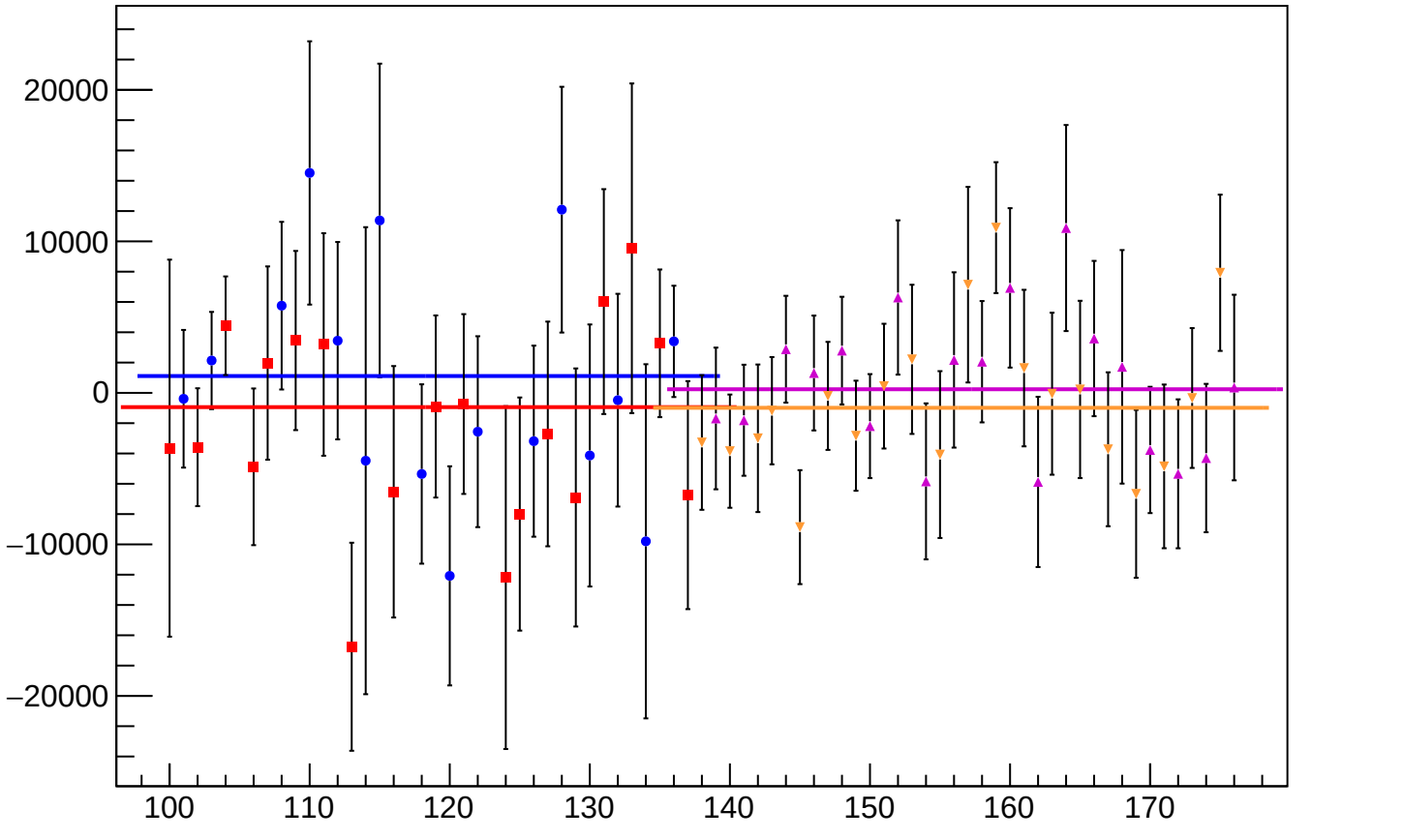
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.285+/-0.328 χ^2/NDF:13271.4/18

+ sign 1849.948+/-0.274 χ^2/NDF: 729326.2/35

All: 1846.401+/-0.194 χ^2/NDF: 967952.1/73

- sign 1842.873+/-0.274 χ^2/NDF: 238292.3/37



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -985.986+/-1014.363 χ^2/NDF:20.9/19

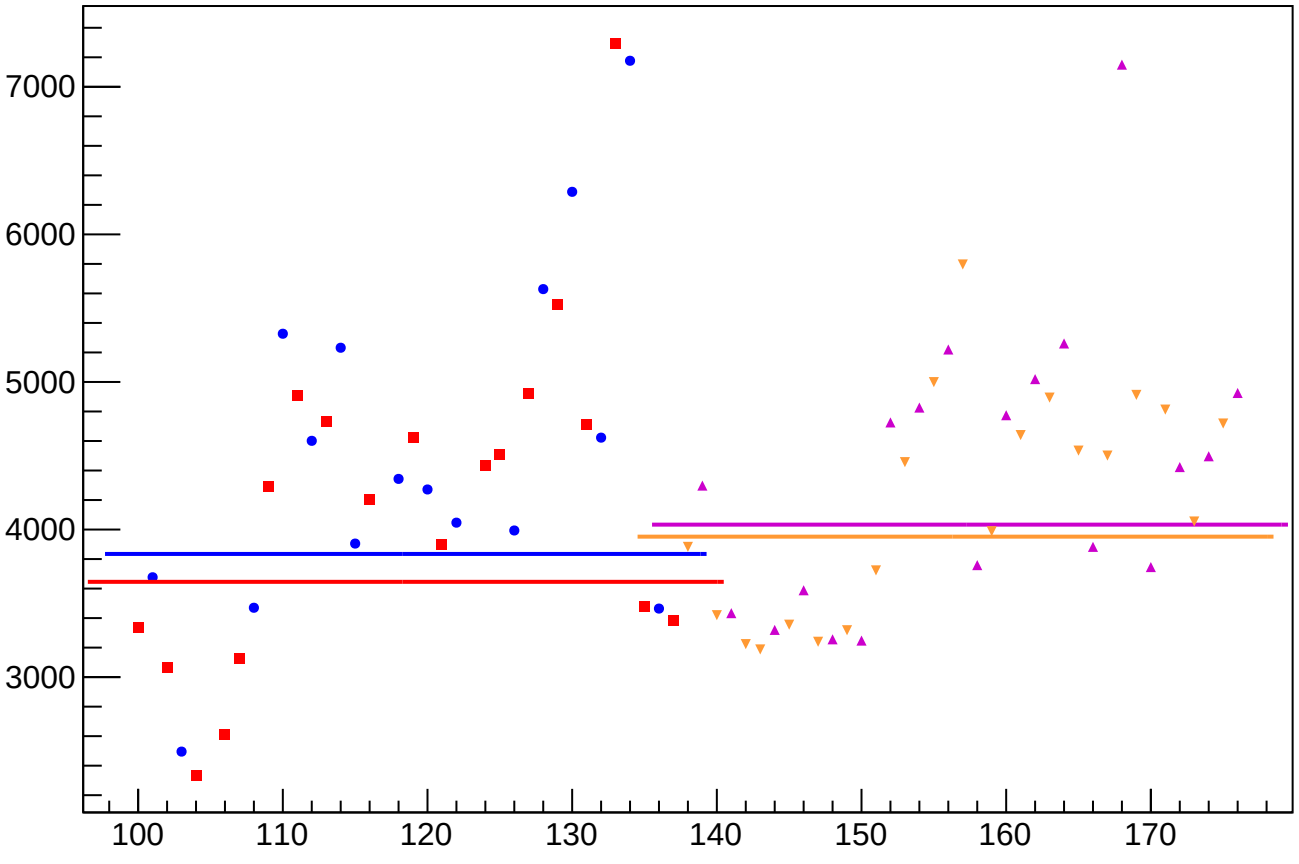
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 238.765+/-1045.753 χ^2/NDF:14.1/18

+ sign -315.251+/-836.603 χ^2/NDF: 35.7/35

All: -249.722+/-591.922 χ^2/NDF: 66.4/73

- sign -184.037+/-837.605 χ^2/NDF: 30.7/37



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3951.882+/-0.717 χ^2/NDF:929963.7/19

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

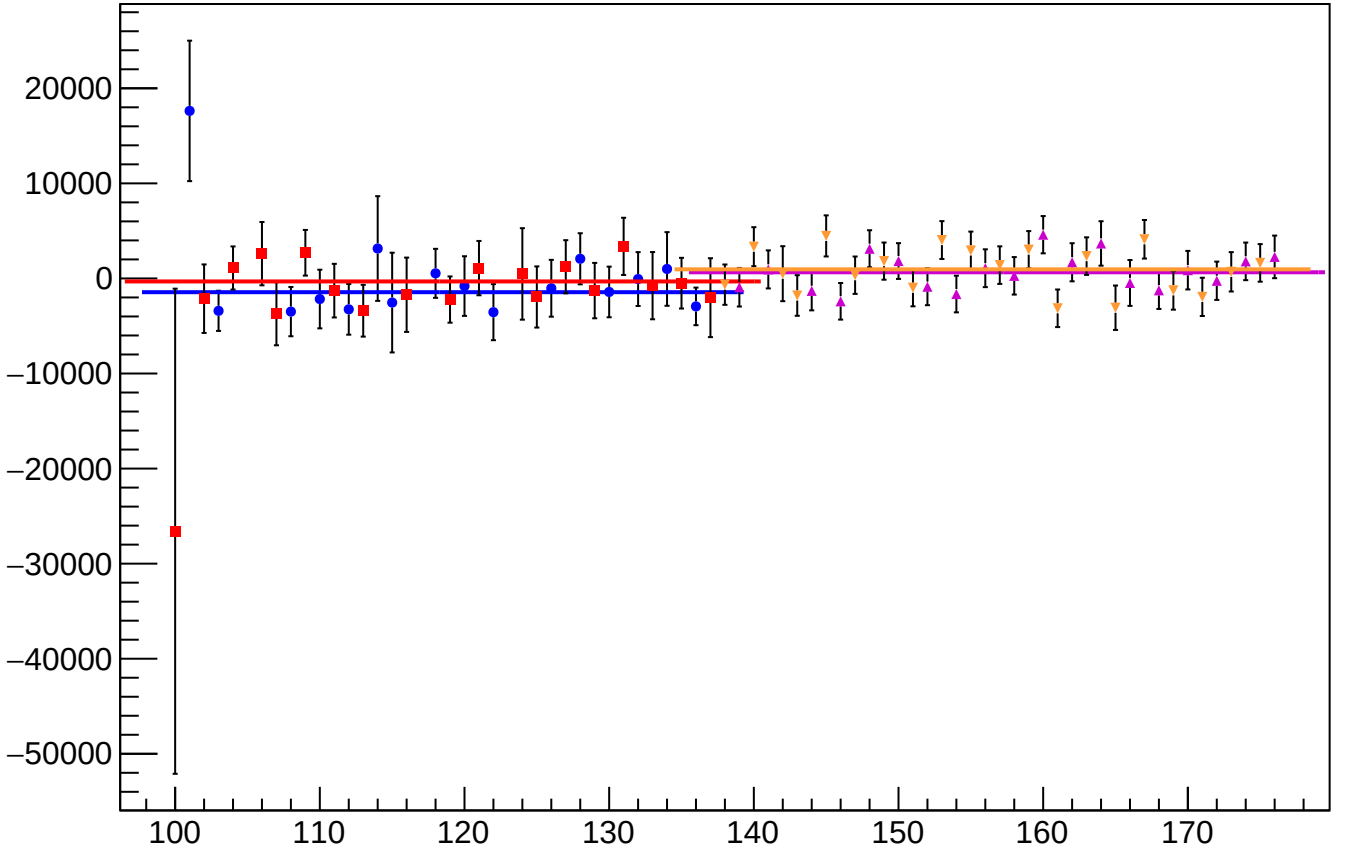
Left In: 4033.259+/-0.739 χ^2/NDF:1125551.2/18

+ sign 3914.406+/-0.592 χ^2/NDF: 1894812.4/35

All: 3904.380+/-0.419 χ^2/NDF: 4244393.9/73

- sign 3894.329+/-0.592 χ^2/NDF: 2349006.2/37

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 957.402+/-459.461 χ^2/NDF:25.7/19

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

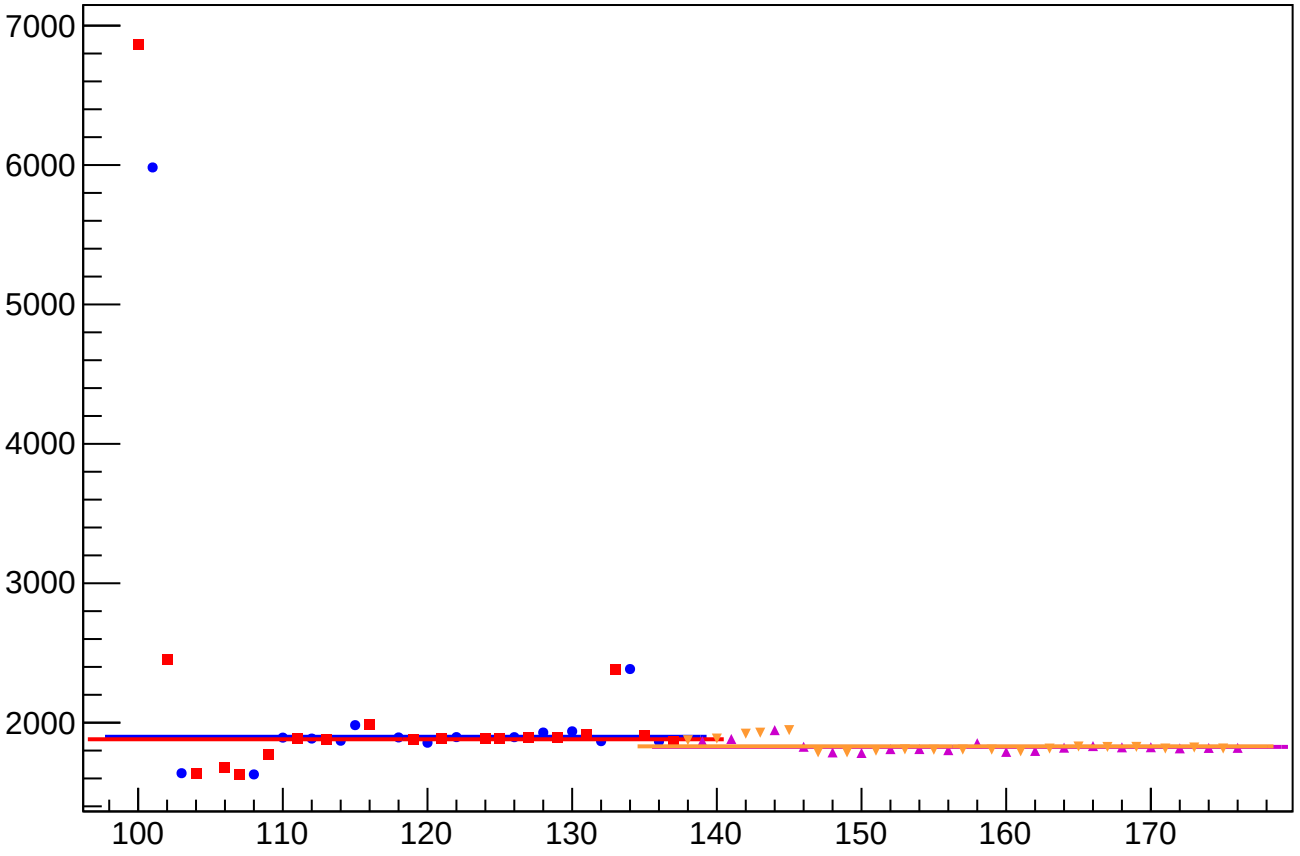
Left In: 646.825+/-463.345 χ^2/NDF:16.4/18

+ sign 265.930+/-387.804 χ^2/NDF: 47.1/35

All: 310.932+/-273.924 χ^2/NDF: 74.7/73

- sign 355.742+/-386.972 χ^2/NDF: 27.6/37

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1830.216+/-0.325 χ^2/NDF:18986.0/19

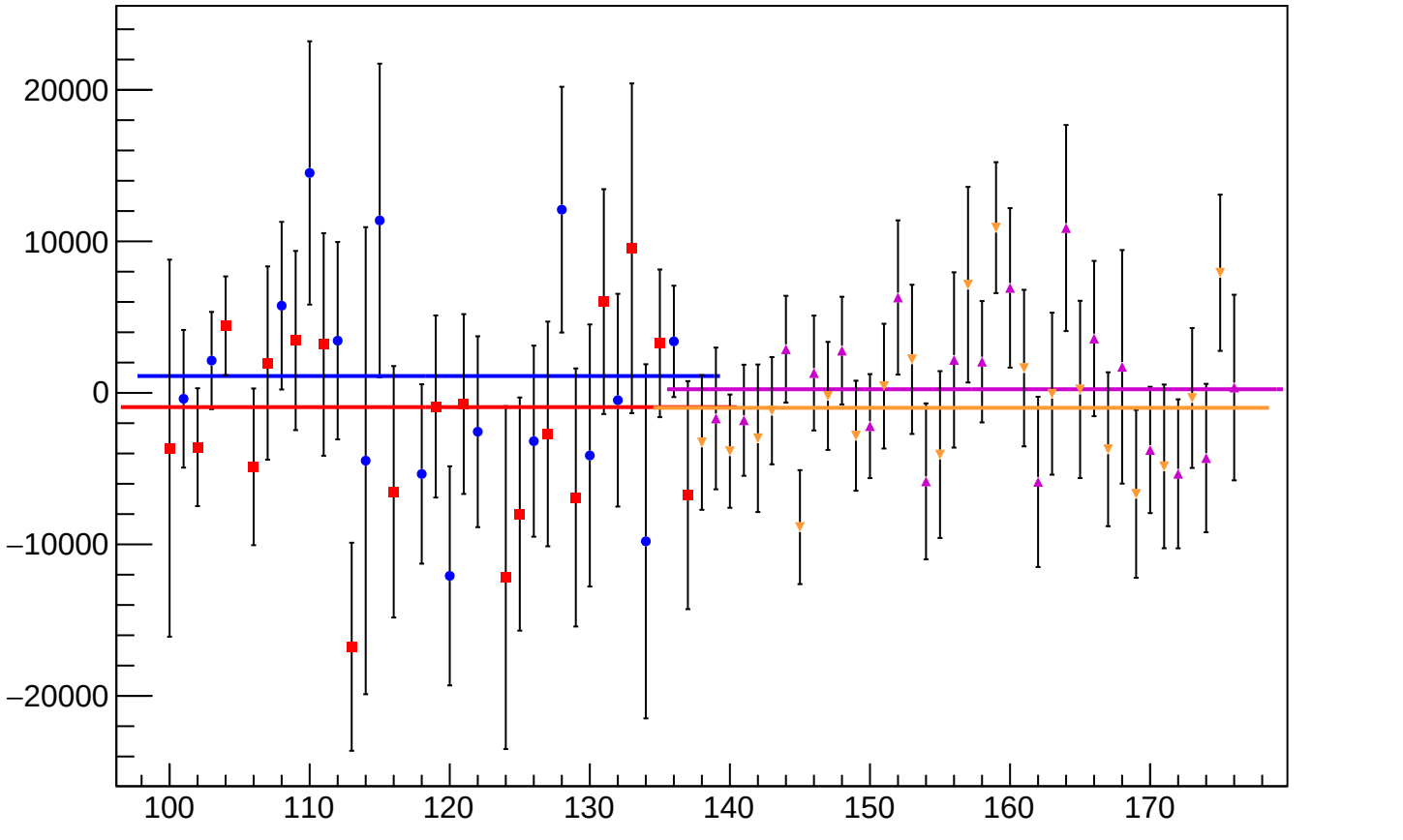
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.285+/-0.328 χ^2/NDF:13271.4/18

\+ sign 1849.948+/-0.274 χ^2/NDF: 729326.2/35

All: 1846.401+/-0.194 χ^2/NDF: 967952.1/73

\- sign 1842.873+/-0.274 χ^2/NDF: 238292.3/37



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -985.986+/-1014.363 χ^2/NDF:20.9/19

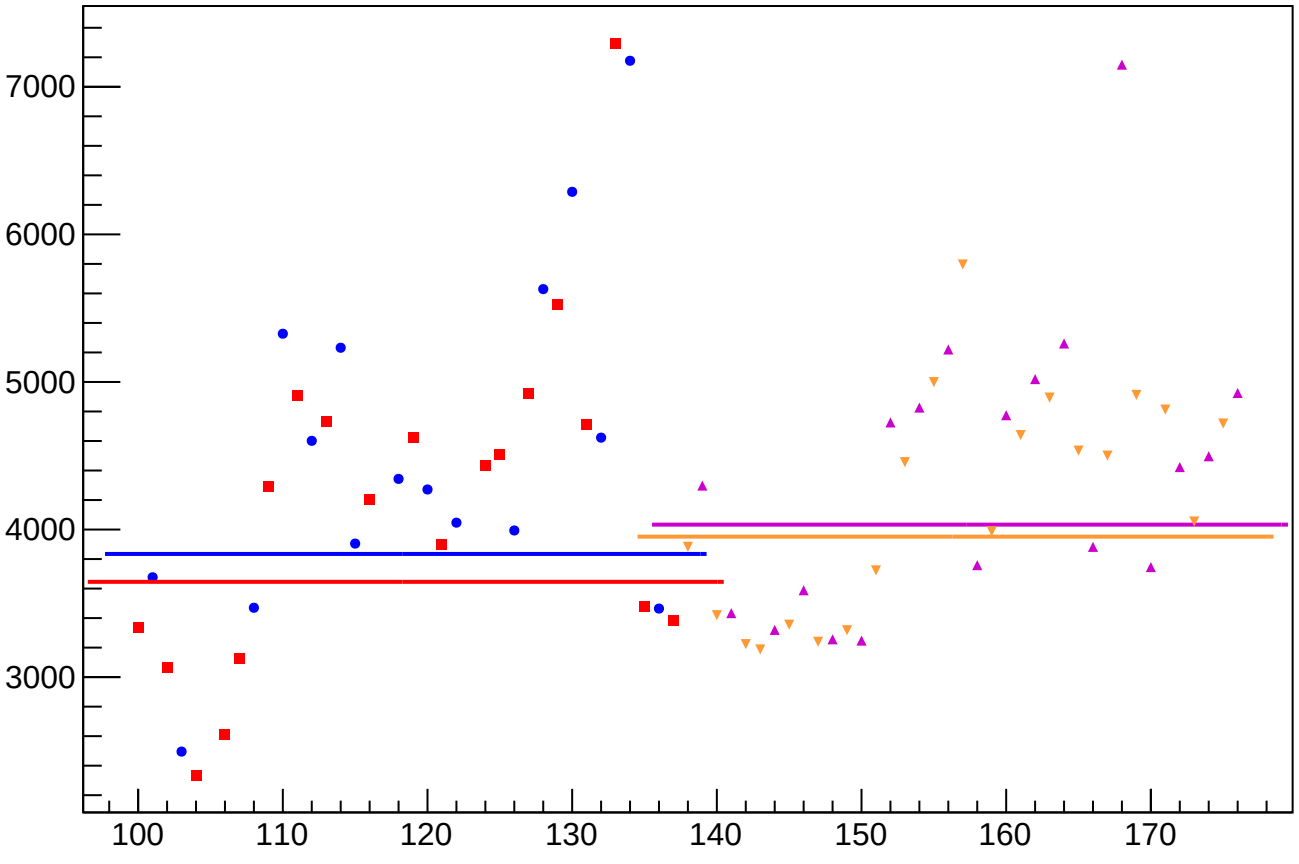
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 238.765+/-1045.753 χ^2/NDF:14.1/18

+ sign -315.251+/-836.603 χ^2/NDF: 35.7/35

All: -249.722+/-591.922 χ^2/NDF: 66.4/73

- sign -184.037+/-837.605 χ^2/NDF: 30.7/37



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3951.882+/-0.717 χ^2/NDF:929963.7/19

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

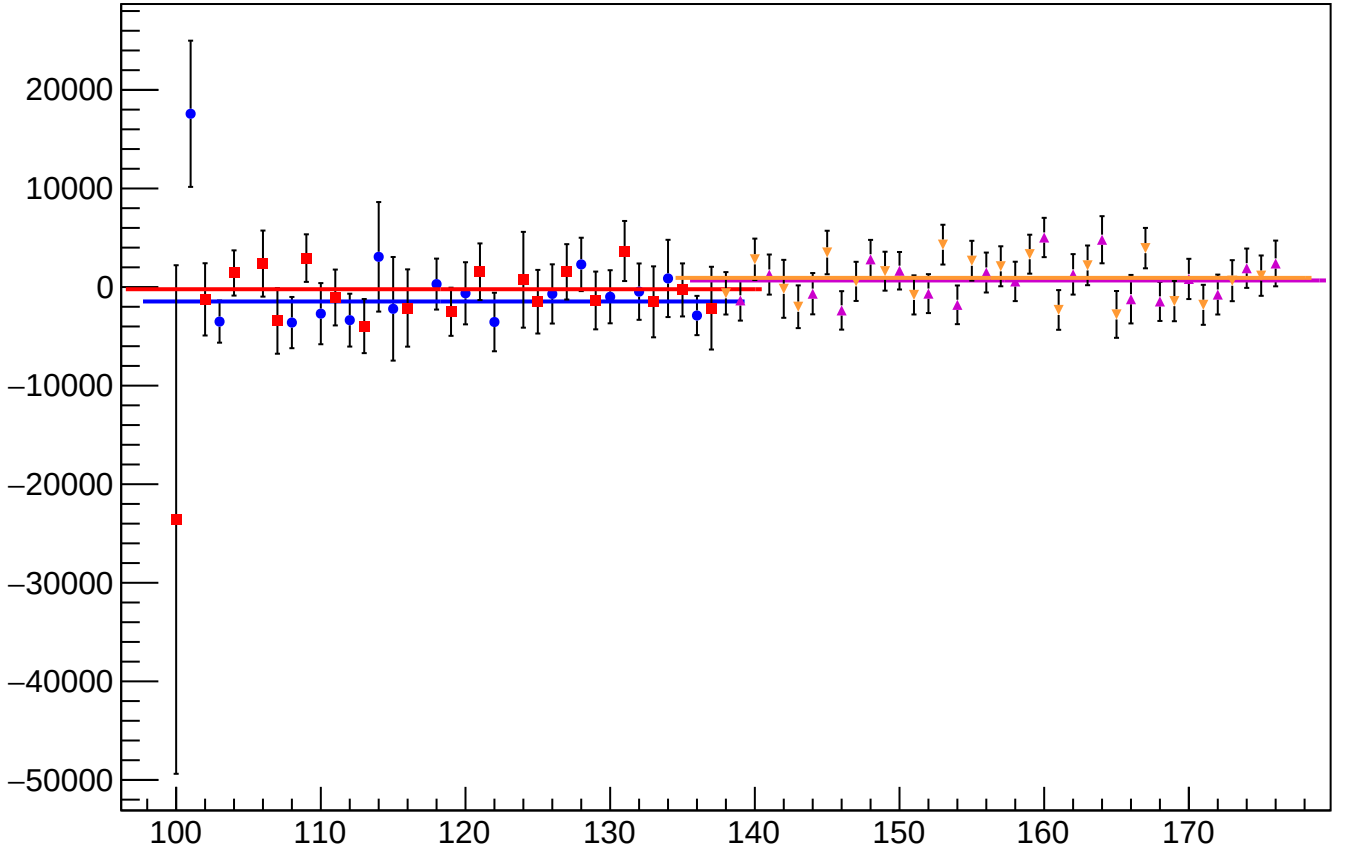
Left In: 4033.259+/-0.739 χ^2/NDF:1125551.2/18

+ sign 3914.406+/-0.592 χ^2/NDF: 1894812.4/35

All: 3904.380+/-0.419 χ^2/NDF: 4244393.9/73

- sign 3894.329+/-0.592 χ^2/NDF: 2349006.2/37

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 930.098+/-466.706 χ^2/NDF:21.7/19

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

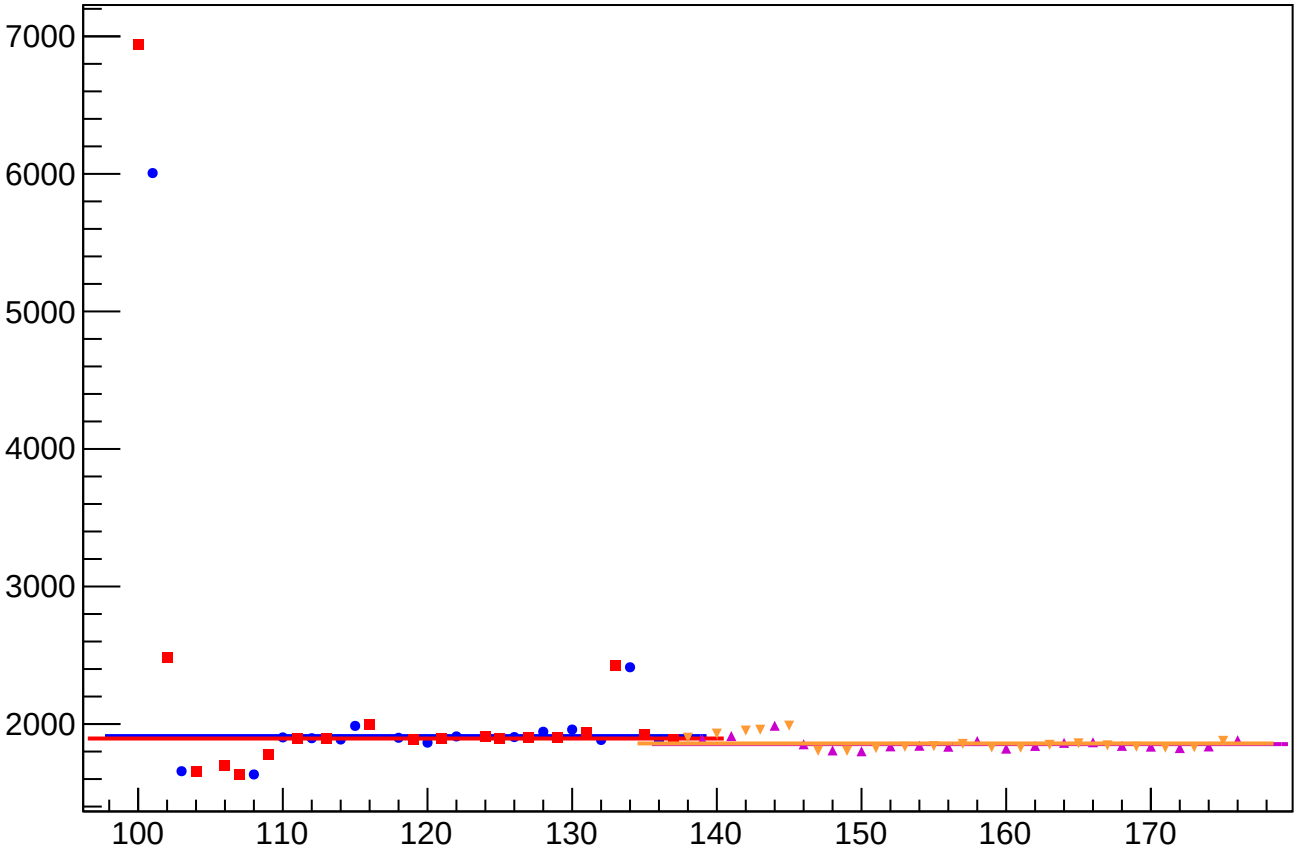
Left In: 669.686+/-470.412 χ^2/NDF:18.6/18

+ sign 233.526+/-392.944 χ^2/NDF: 42.9/35

All: 315.845+/-277.503 χ^2/NDF: 73.5/73

- sign 397.751+/-391.956 χ^2/NDF: 30.5/37

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1858.924+/-0.330 χ^2/NDF:22448.4/19

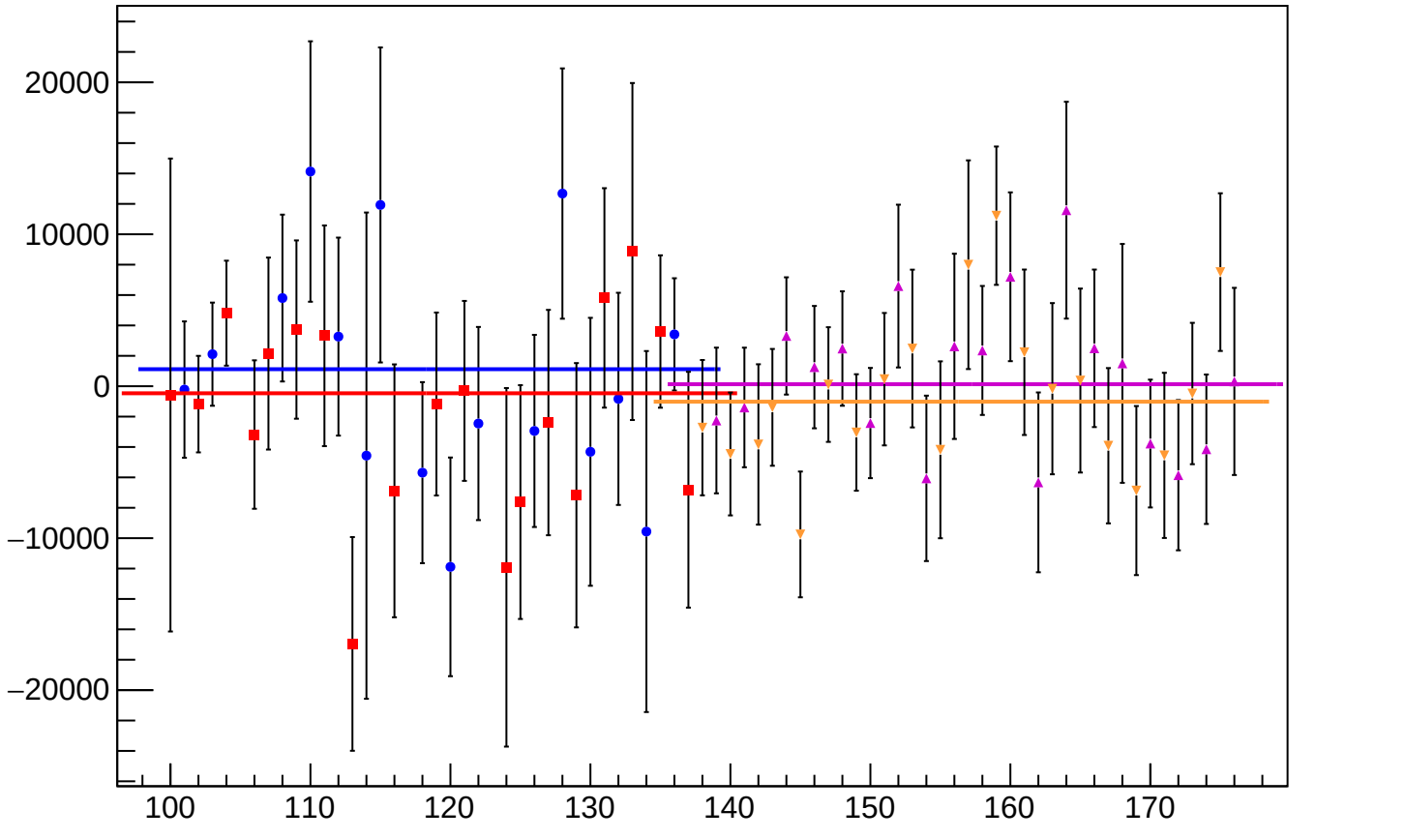
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1854.006+/-0.333 χ^2/NDF:15374.3/18

+ sign 1874.485+/-0.278 χ^2/NDF: 726306.7/35

All: 1870.474+/-0.196 χ^2/NDF: 966475.5/73

- sign 1866.486+/-0.277 χ^2/NDF: 239753.3/37



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1016.932+/-1065.295 χ^2/NDF:20.8/19

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

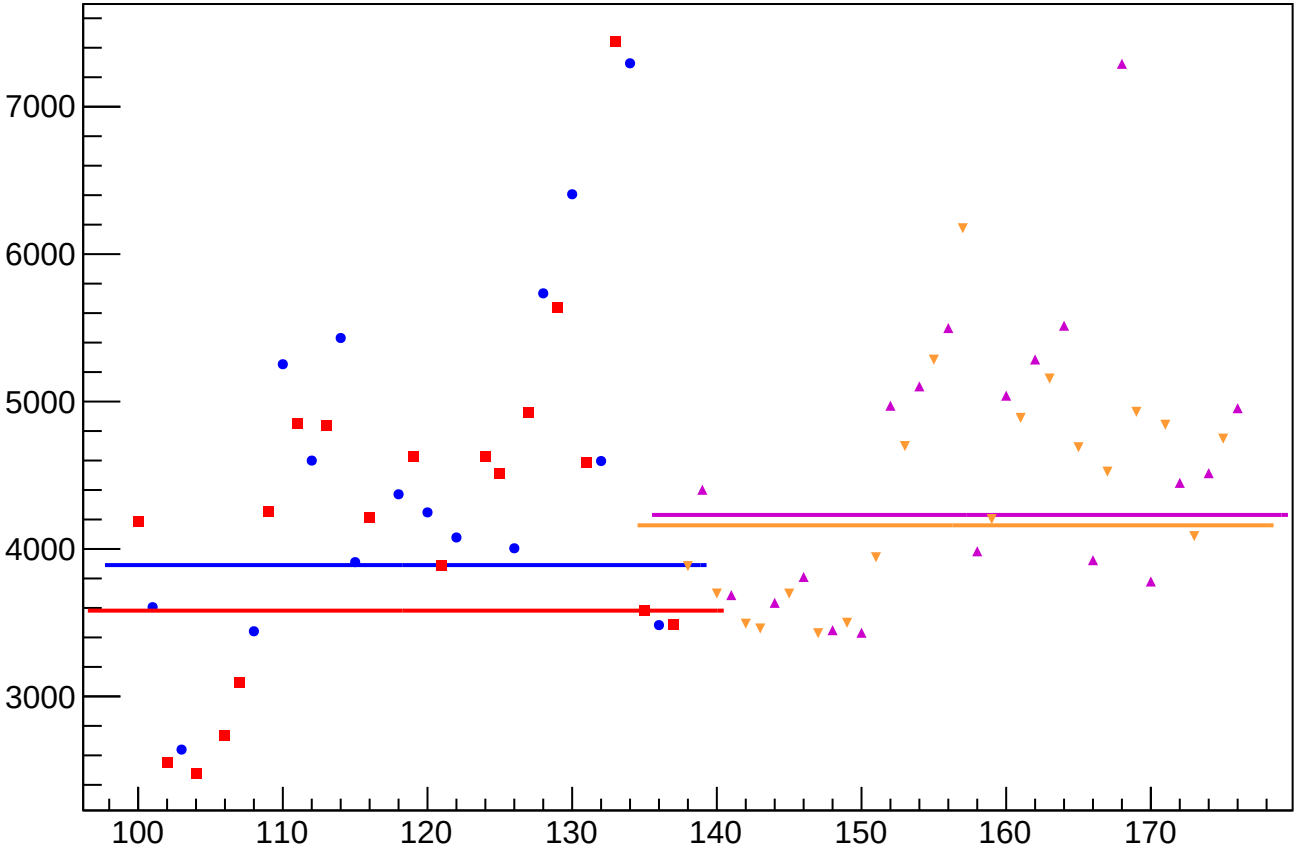
Left In: 131.660+/-1095.180 χ^2/NDF:13.9/18

\+ sign -298.935+/-868.090 χ^2/NDF: 35.6/35

All: -198.312+/-609.383 χ^2/NDF: 64.7/73

\- sign -100.555+/-855.641 χ^2/NDF: 29.1/37

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4160.530+/-0.753 χ^2/NDF:785181.2/19

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

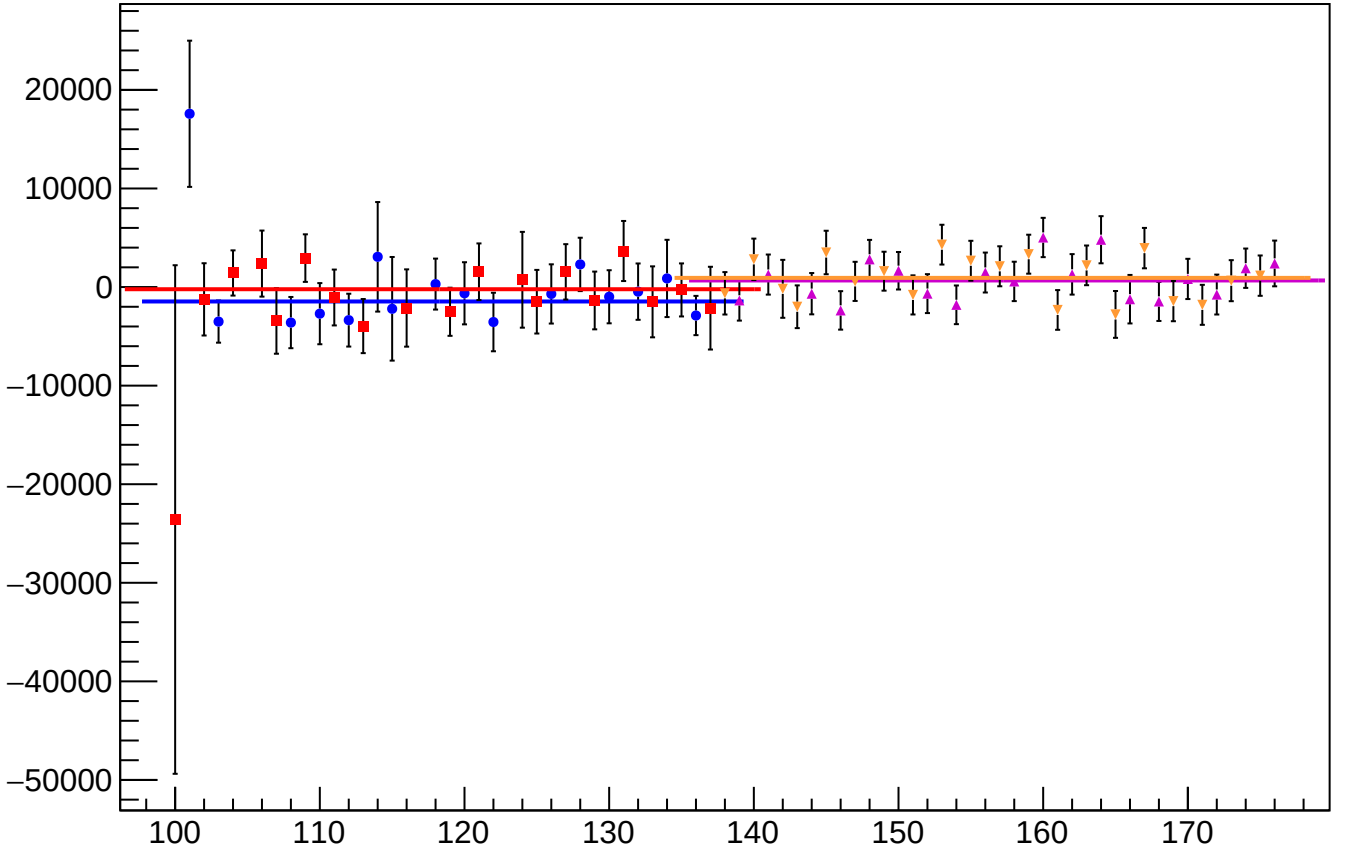
Left In: 4231.048+/-0.774 χ^2/NDF:1018548.9/18

+ sign 4069.878+/-0.614 χ^2/NDF: 1706705.6/35

All: 4023.322+/-0.431 χ^2/NDF: 4232312.0/73

- sign 3978.091+/-0.605 χ^2/NDF: 2514264.9/37

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 930.105+/-466.706 χ^2/NDF:21.7/19

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

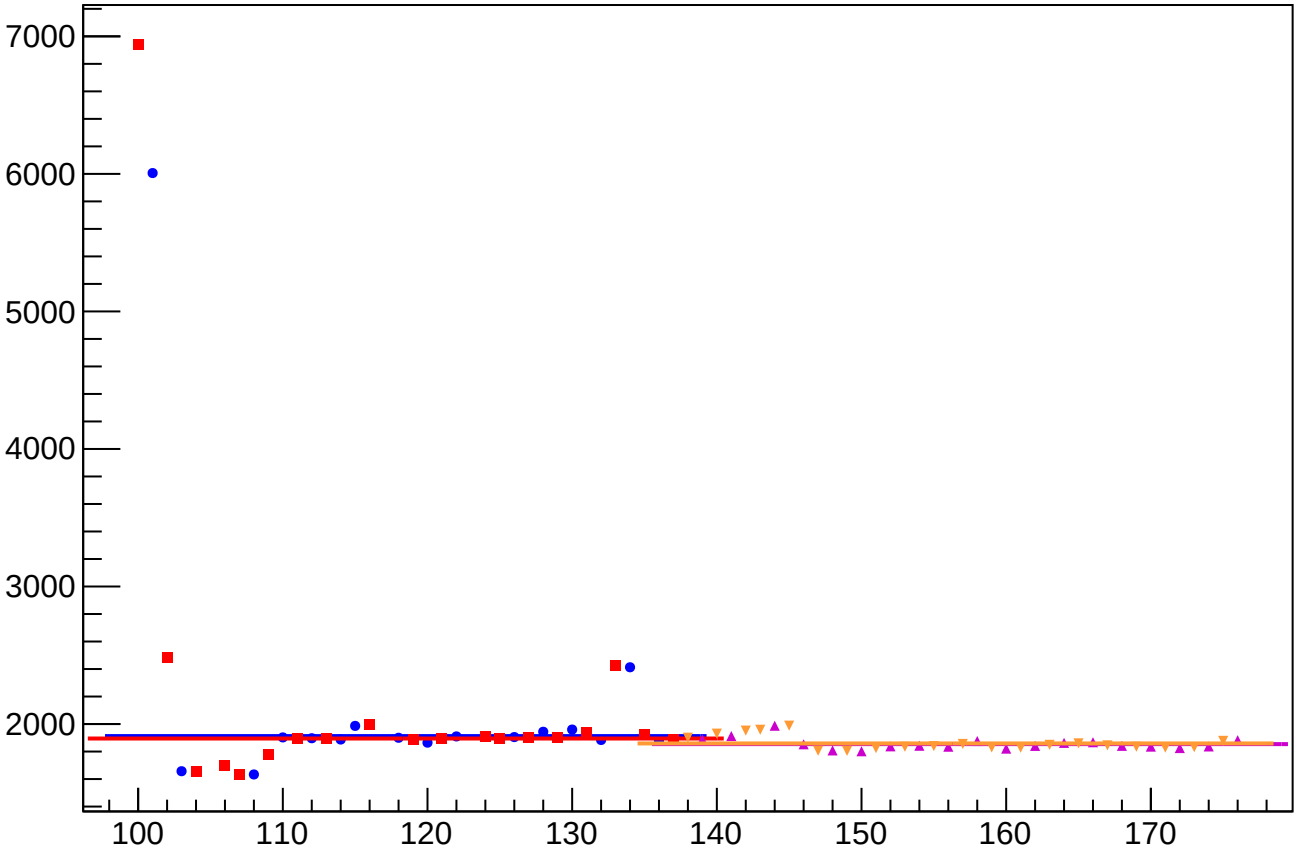
Left In: 669.689+/-470.412 χ^2/NDF:18.6/18

+ sign 233.529+/-392.944 χ^2/NDF: 42.9/35

All: 315.848+/-277.503 χ^2/NDF: 73.5/73

- sign 397.754+/-391.956 χ^2/NDF: 30.5/37

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1858.924+/-0.330 χ^2/NDF:22448.4/19

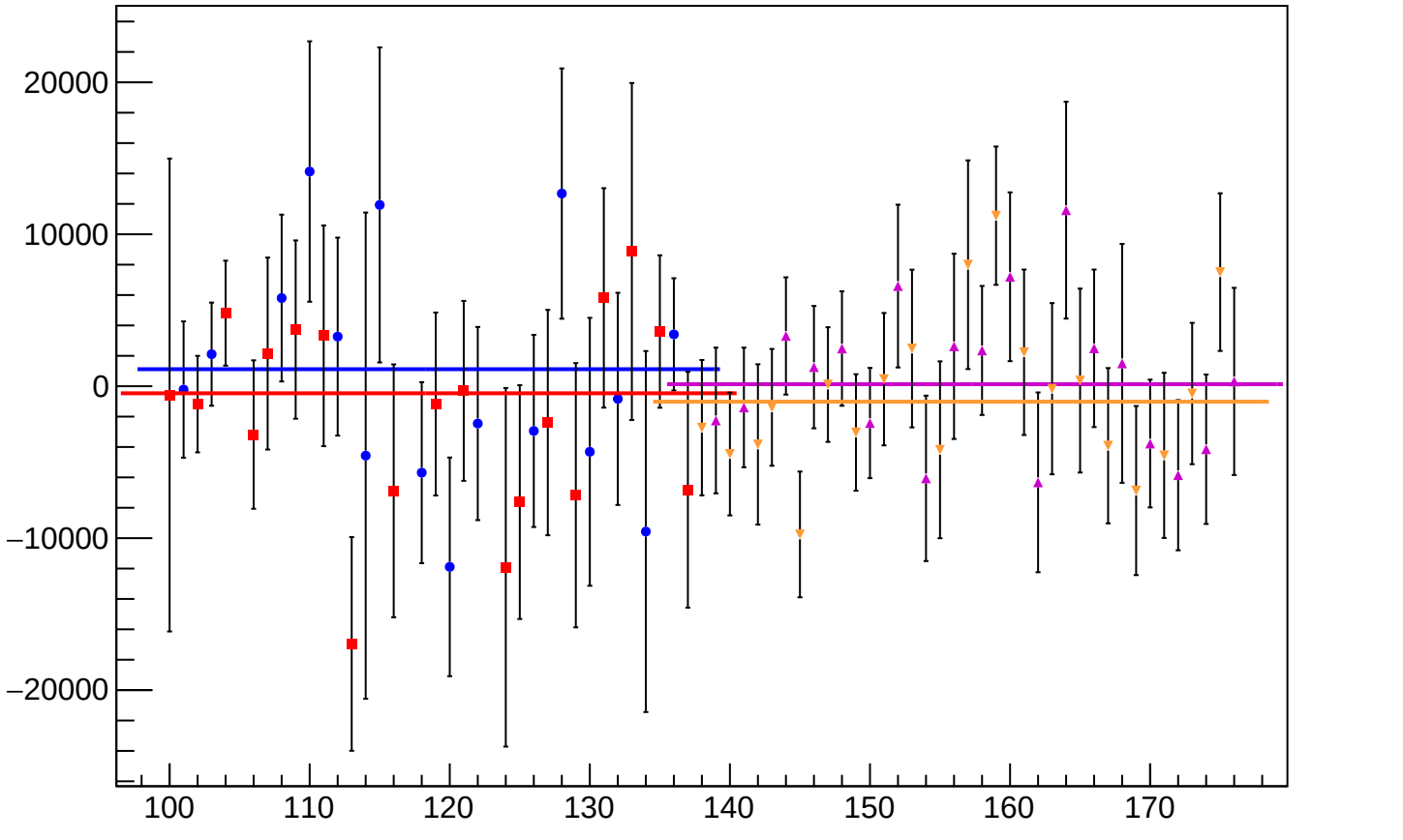
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1854.007+/-0.333 χ^2/NDF:15374.2/18

+ sign 1874.486+/-0.278 χ^2/NDF: 726306.4/35

All: 1870.475+/-0.196 χ^2/NDF: 966475.0/73

- sign 1866.487+/-0.277 χ^2/NDF: 239753.0/37



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1016.931+/-1065.297 χ^2/NDF:20.8/19

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

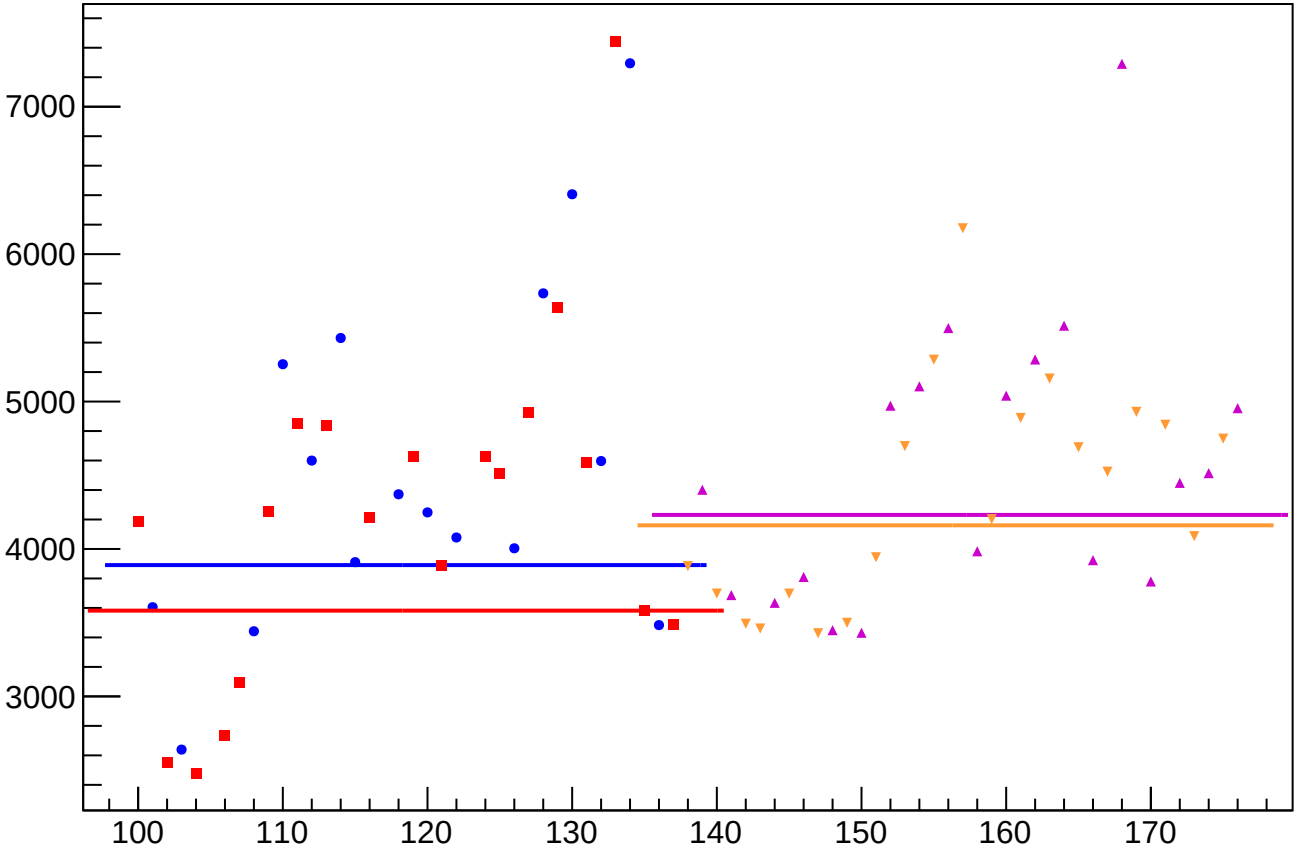
Left In: 131.658+/-1095.182 χ^2/NDF:13.9/18

\+ sign -298.937+/-868.090 χ^2/NDF: 35.6/35

All: -198.314+/-609.383 χ^2/NDF: 64.7/73

\- sign -100.556+/-855.641 χ^2/NDF: 29.1/37

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4160.536+/-0.753 χ^2/NDF:785181.6/19

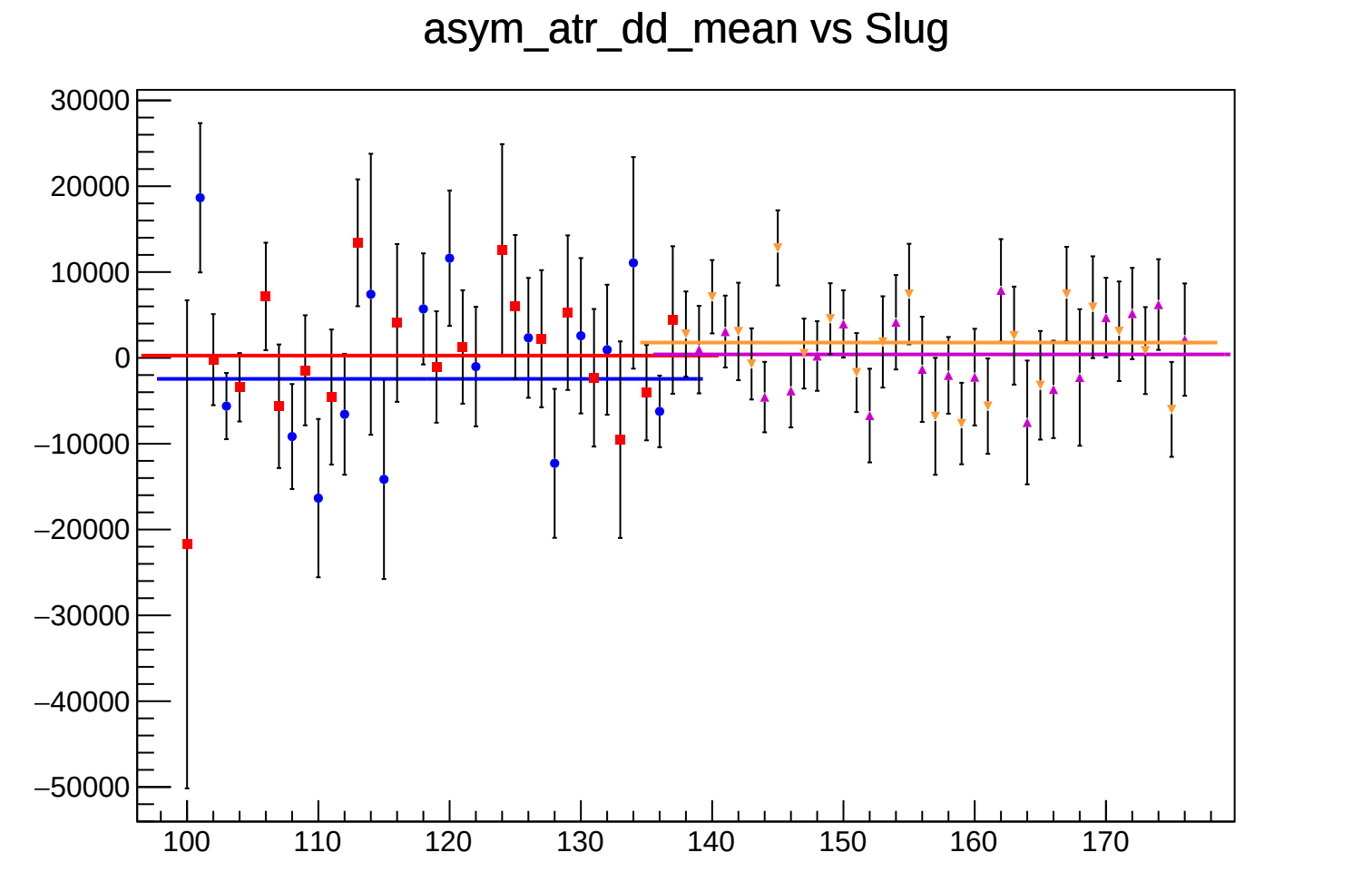
Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4231.054+/-0.774 χ^2/NDF:1018551.6/18

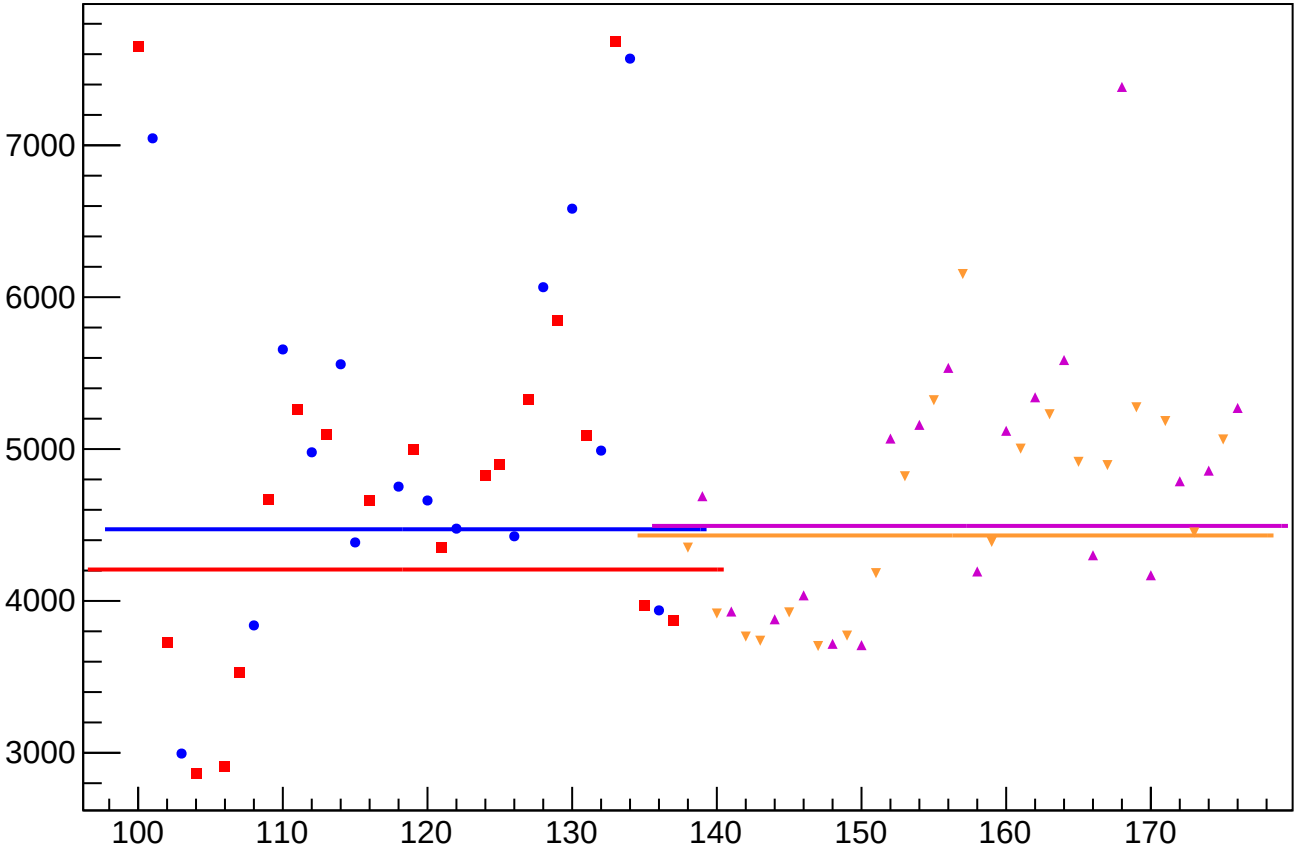
+ sign 4069.882+/-0.614 χ^2/NDF: 1706700.1/35

All: 4023.324+/-0.431 χ^2/NDF: 4232308.6/73

- sign 3978.093+/-0.605 χ^2/NDF: 2514266.8/37


asym_atr_dd_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -2448.262+/-1719.694 χ²/NDF: 20.9/15
Left Out: 1784.233+/-1129.350 χ²/NDF:22.0/19
Right Out: 265.886+/-1622.574 χ²/NDF: 10.7/18
Left In: 404.404+/-1157.951 χ²/NDF:12.8/18
+ sign 508.886+/-943.989 χ²/NDF: 47.1/35
All: 433.159+/-666.991 χ²/NDF: 70.6/73
- sign 357.663+/-942.547 χ²/NDF: 23.5/37

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4431.163+/-0.799 χ^2/NDF:631407.1/19

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

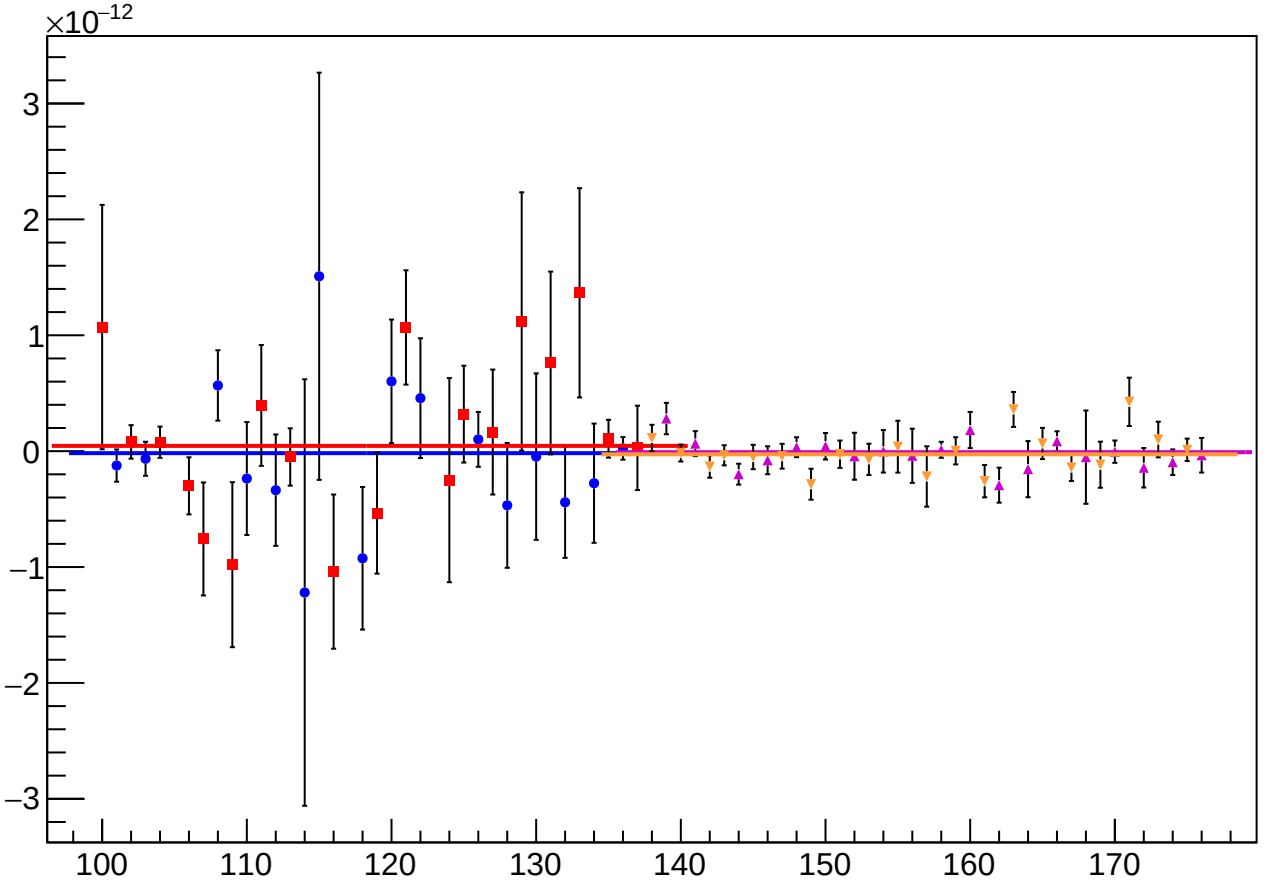
Left In: 4494.052+/-0.819 χ^2/NDF:809304.0/18

+ sign 4443.439+/-0.668 χ^2/NDF: 1523869.8/35

All: 4419.669+/-0.471 χ^2/NDF: 3224176.1/73

- sign 4396.103+/-0.665 χ^2/NDF: 1697780.9/37

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:23.9/19

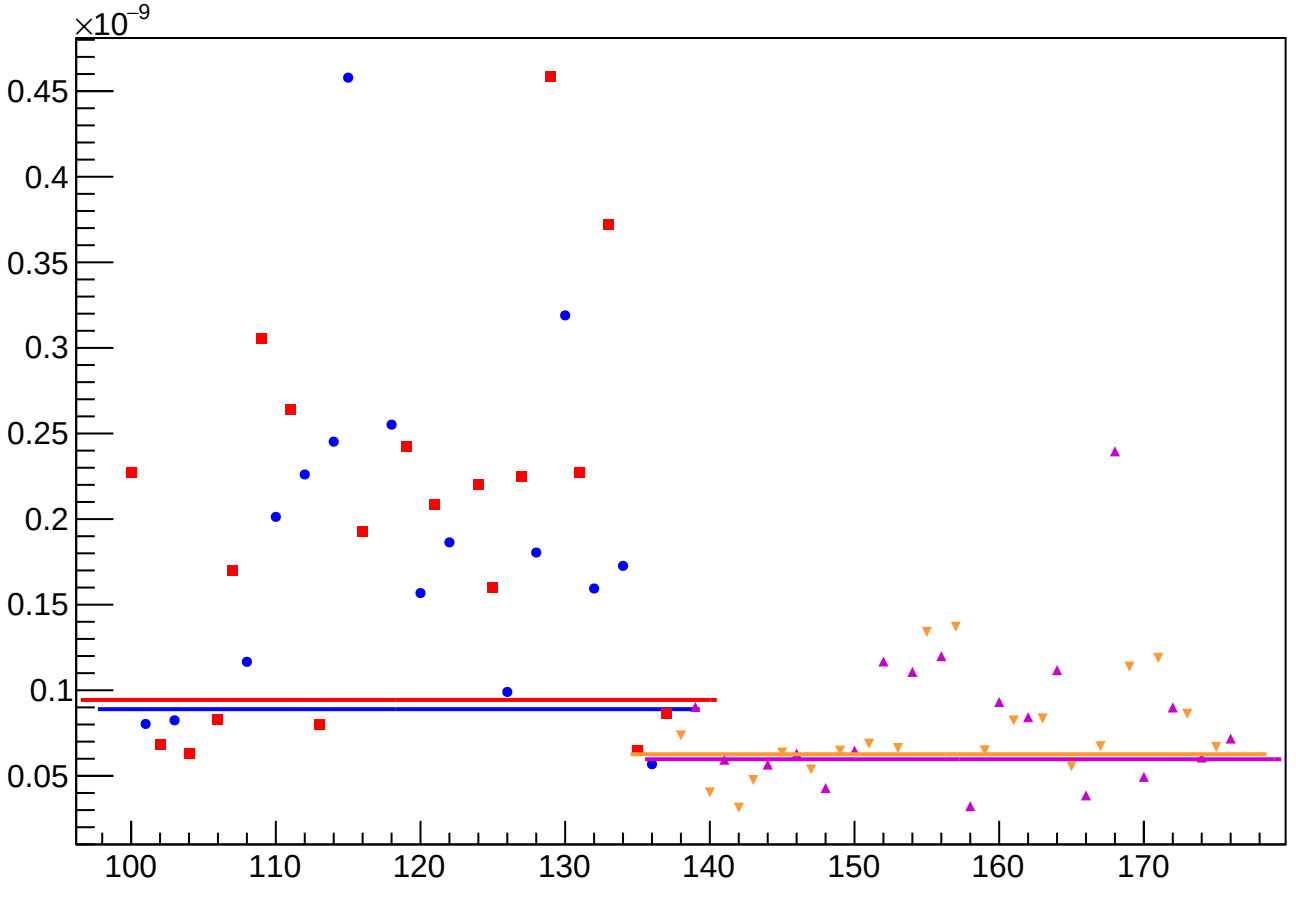
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/35

All: -0.000+/-0.000 χ^2/NDF: 77.2/73

- sign -0.000+/-0.000 χ^2/NDF: 40.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1280426.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

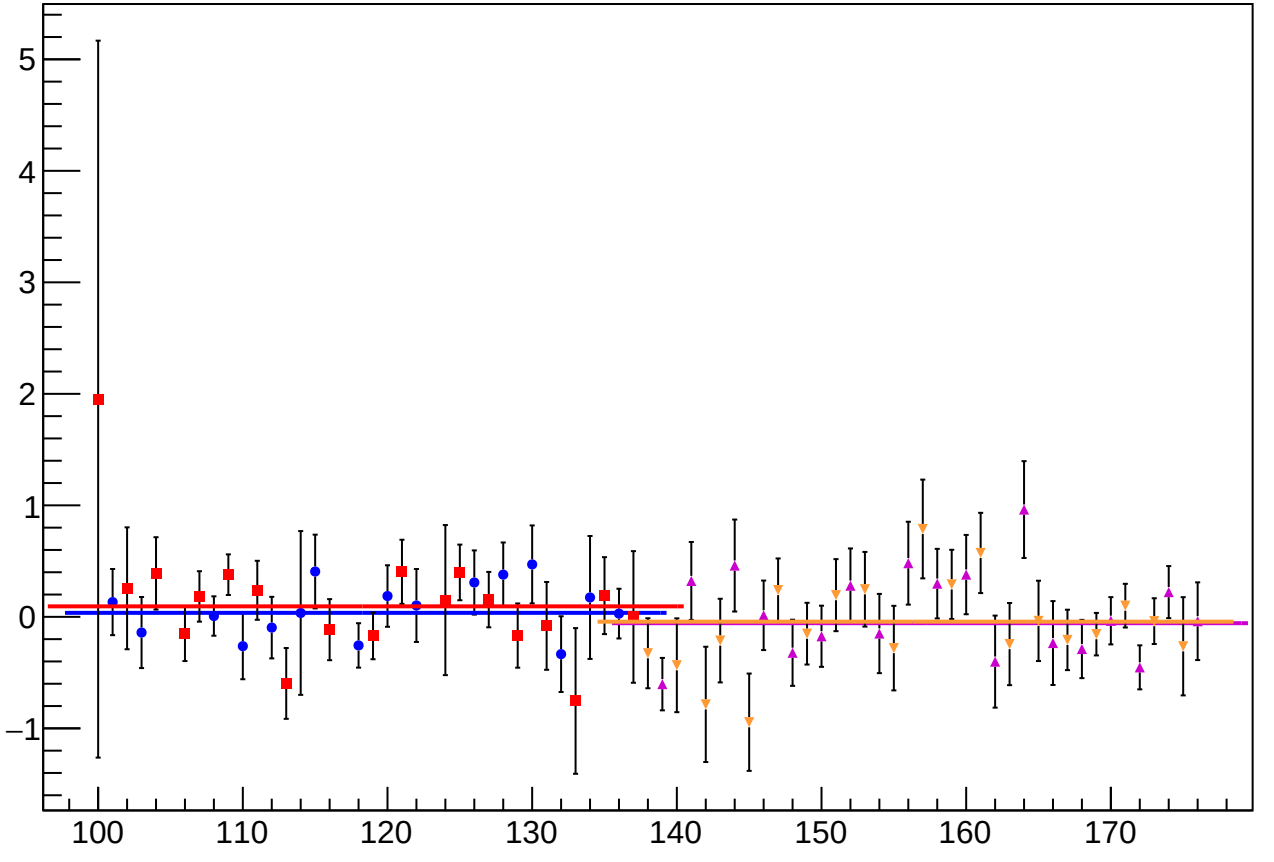
Left In: 0.000+/-0.000 χ^2/NDF:1805229.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 2818690.3/35

All: 0.000+/-0.000 χ^2/NDF: 6774203.5/73

- sign 0.000+/-0.000 χ^2/NDF: 3946734.4/37

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

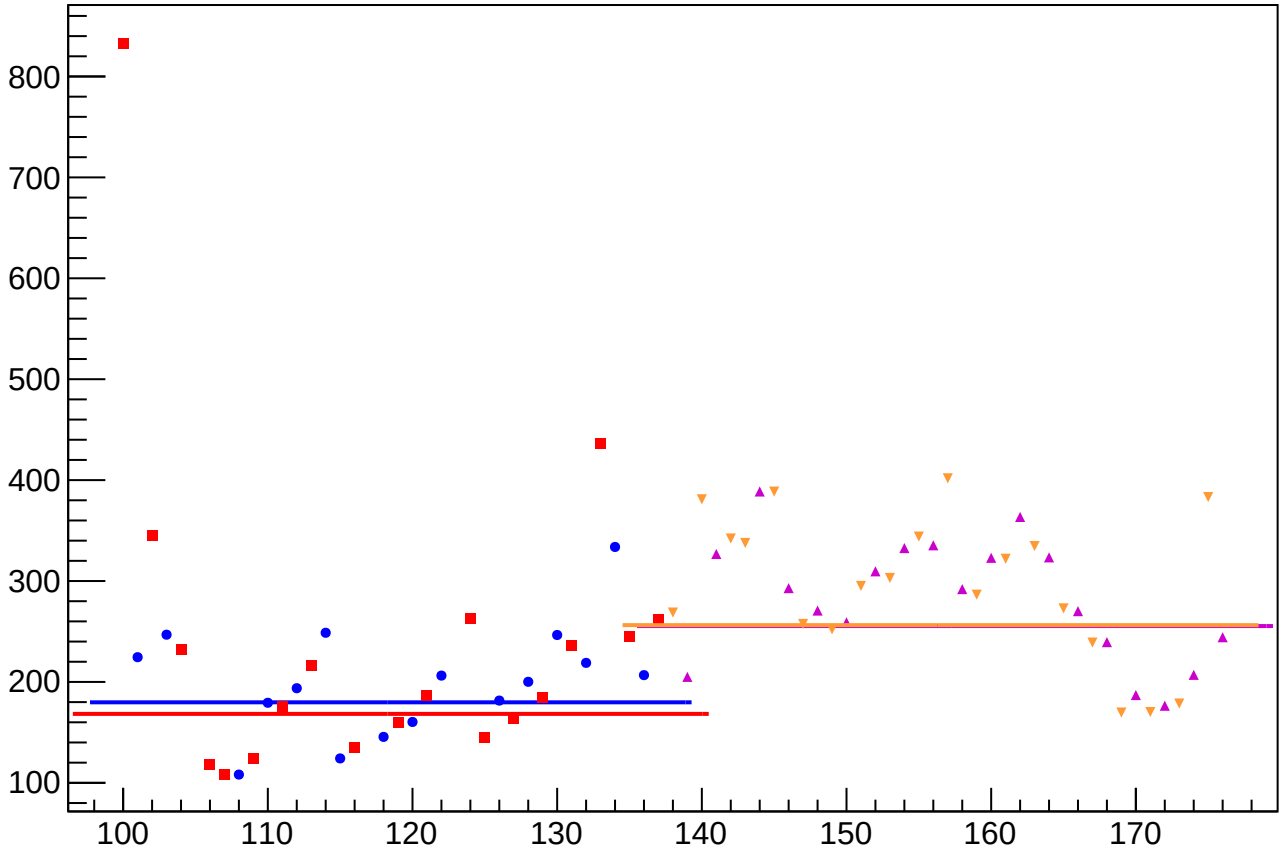
Left In: -0.057+/-0.068 χ^2/NDF:27.8/18

+ sign -0.005+/-0.049 χ^2/NDF: 31.6/35

All: 0.007+/-0.034 χ^2/NDF: 79.7/73

- sign 0.019+/-0.048 χ^2/NDF: 48.0/37

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 256.283+/-0.048 χ^2/NDF:2344838.1/19

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

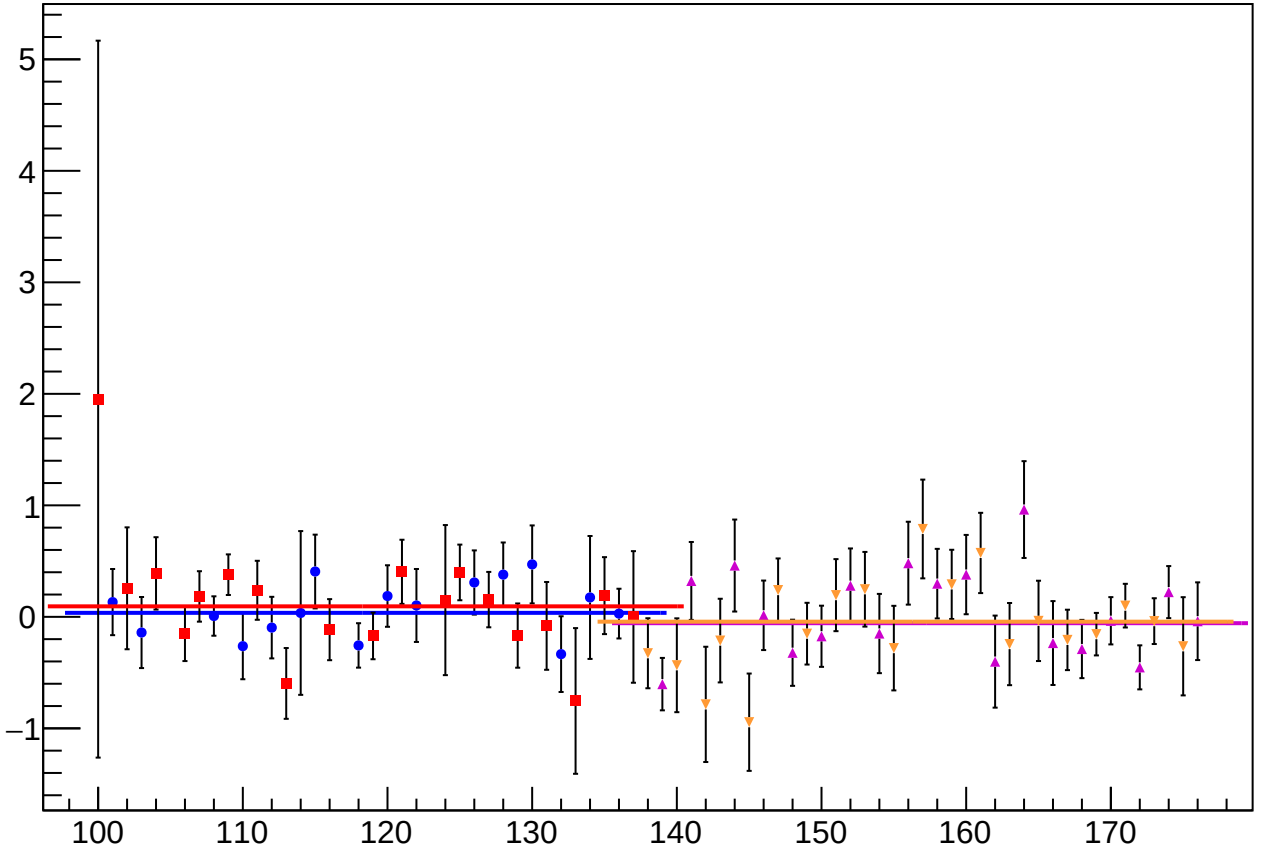
Left In: 255.375+/-0.048 χ^2/NDF:1571676.5/18

+ sign 219.545+/-0.035 χ^2/NDF: 4484043.6/35

All: 215.528+/-0.024 χ^2/NDF: 9140740.0/73

- sign 211.673+/-0.034 χ^2/NDF: 4630261.1/37

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: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

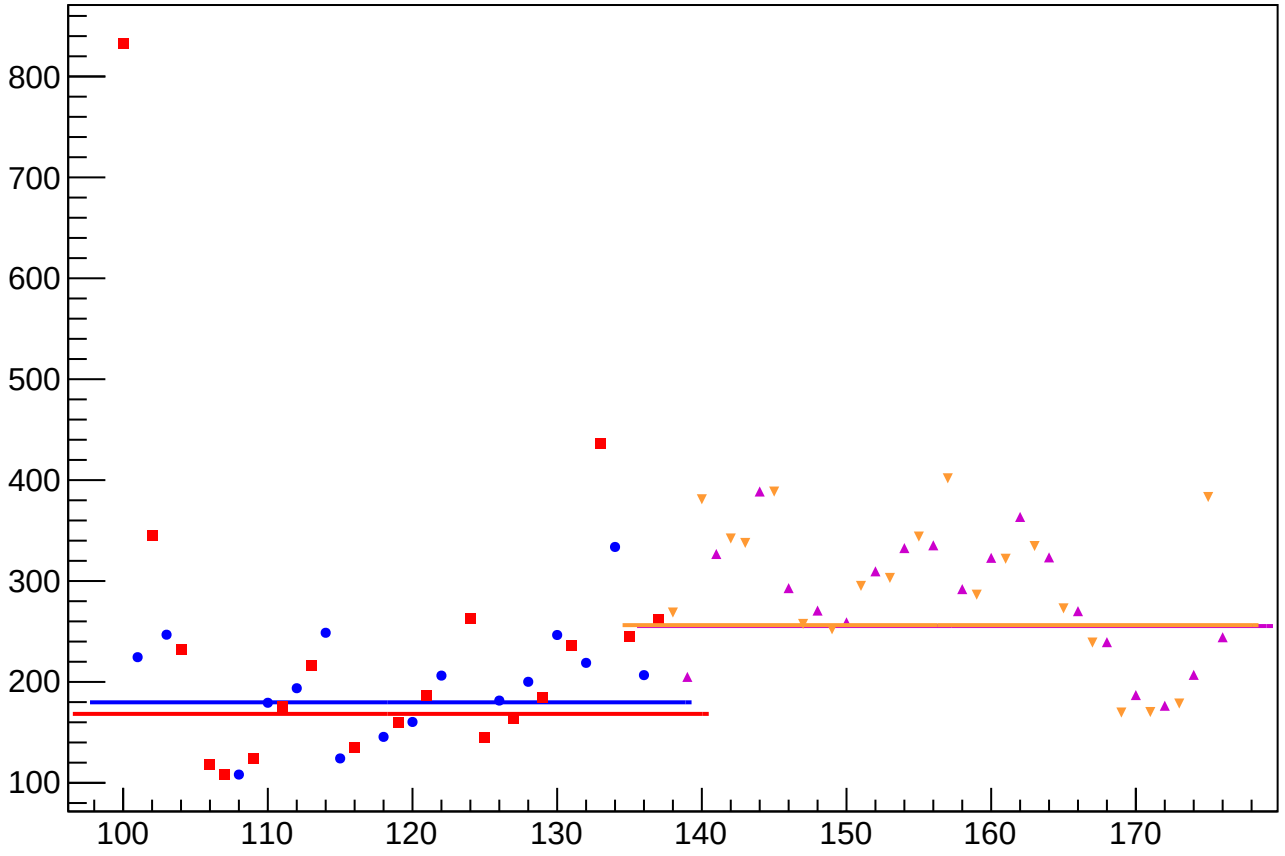
Left In: -0.057+/-0.068 χ^2/NDF:27.8/18

+ sign -0.005+/-0.049 χ^2/NDF: 31.6/35

All: 0.007+/-0.034 χ^2/NDF: 79.7/73

- sign 0.019+/-0.048 χ^2/NDF: 48.0/37

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: 256.283+/-0.048 χ^2/NDF:2344838.1/19

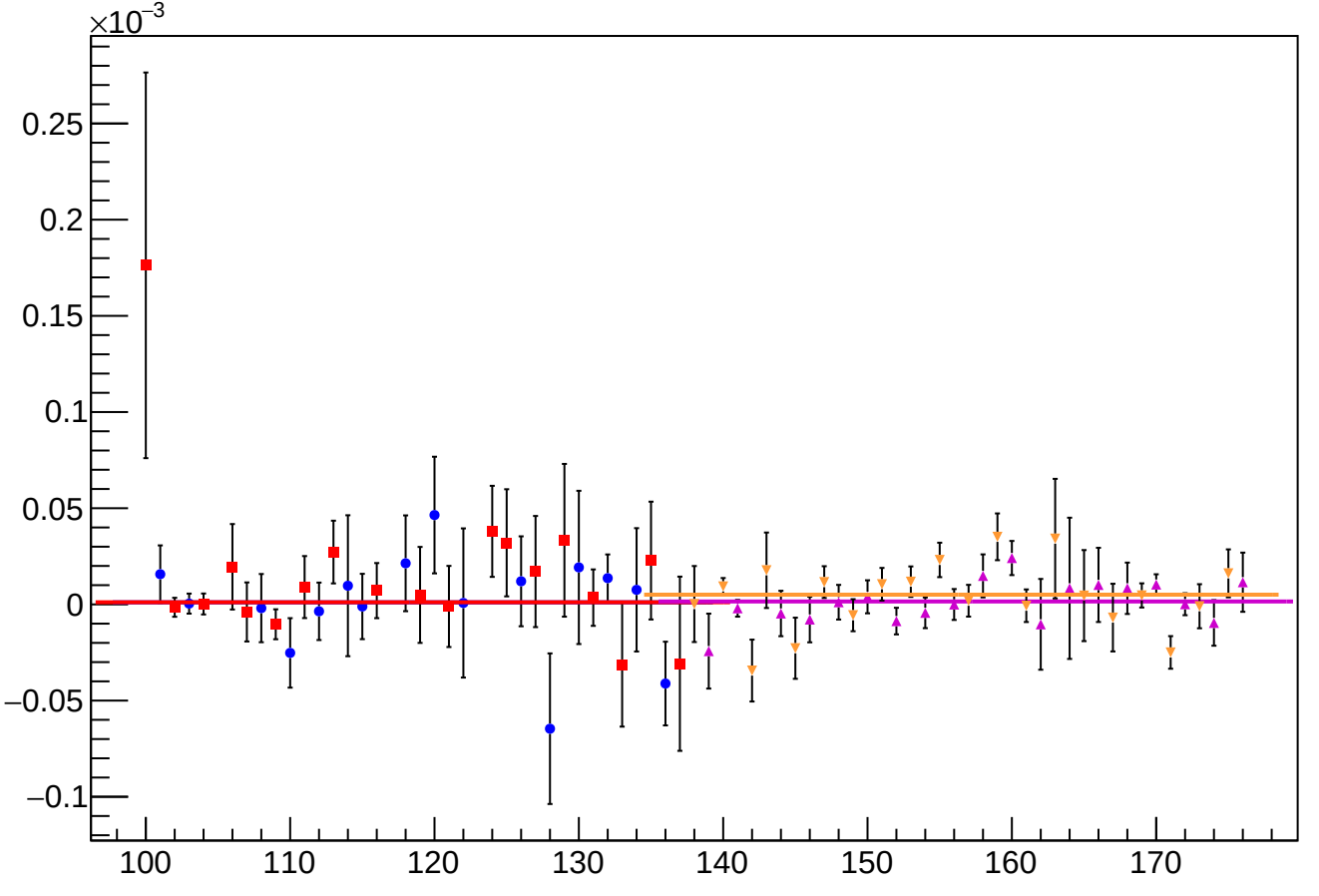
Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 255.375+/-0.048 χ^2/NDF:1571676.5/18

+ sign 219.545+/-0.035 χ^2/NDF: 4484043.6/35

All: 215.528+/-0.024 χ^2/NDF: 9140740.0/73

- sign 211.673+/-0.034 χ^2/NDF: 4630261.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.7/19

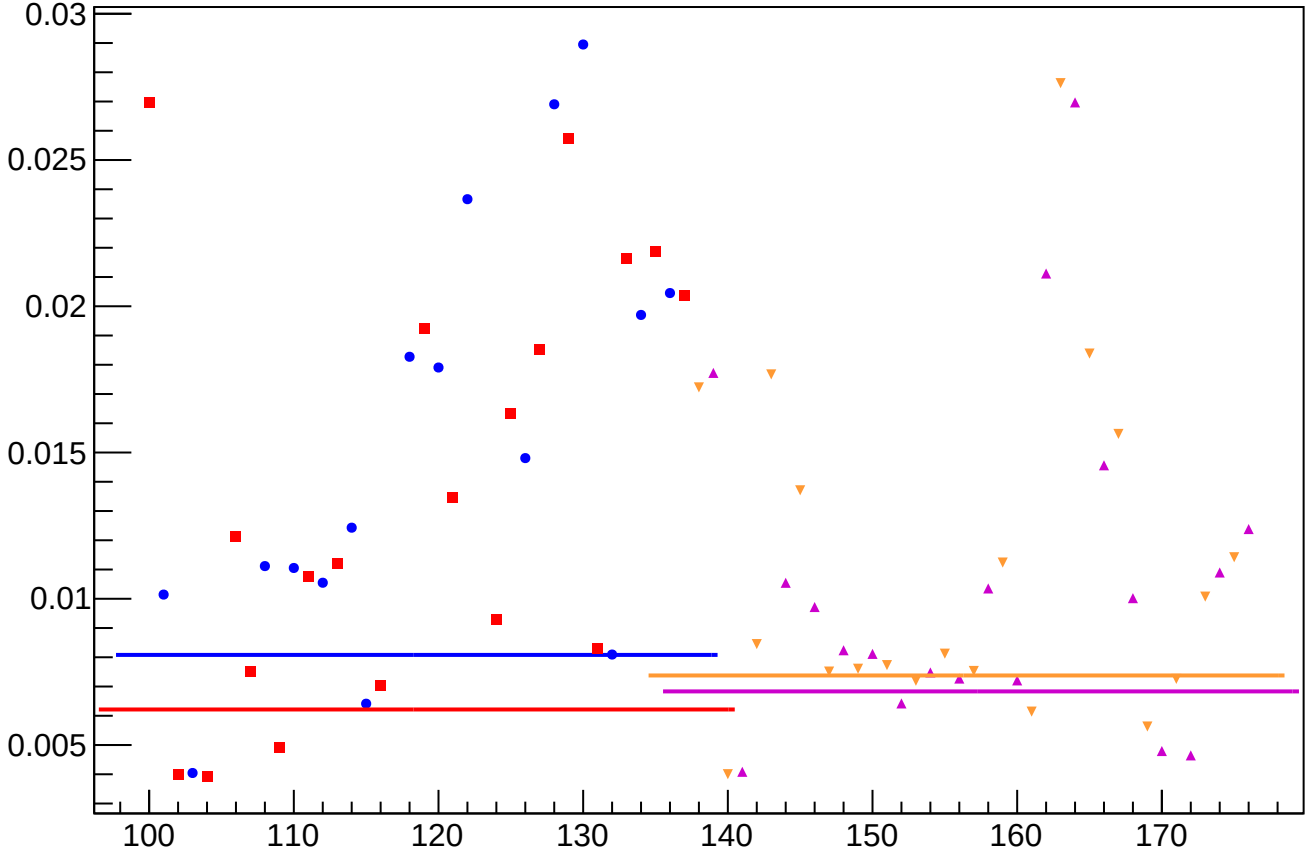
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 54.9/35

All: 0.000+/-0.000 χ^2/NDF: 91.0/73

- sign 0.000+/-0.000 χ^2/NDF: 34.9/37



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:5032434.5/19

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

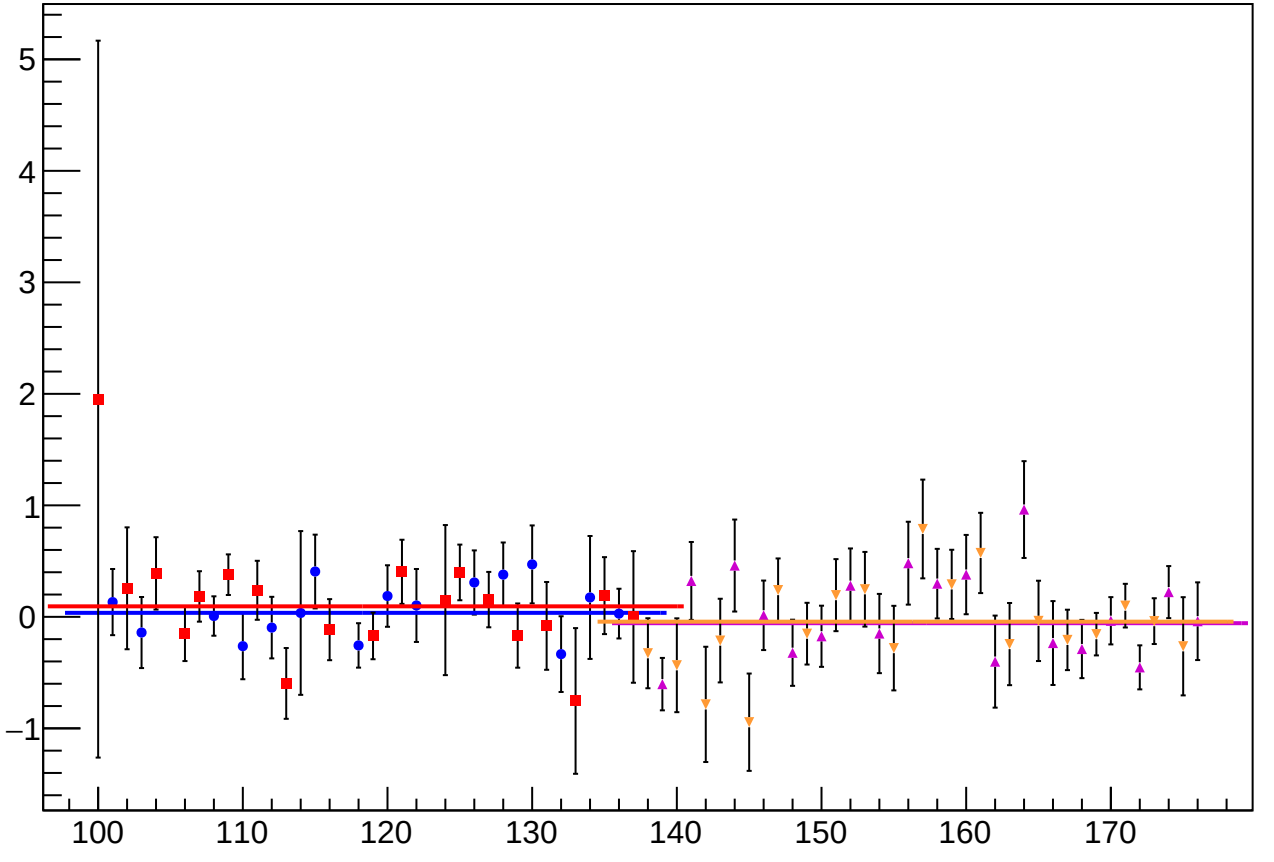
Left In: 0.007+/-0.000 χ^2/NDF:4911678.5/18

+ sign 0.008+/-0.000 χ^2/NDF: 9500459.8/35

All: 0.007+/-0.000 χ^2/NDF: 19322207.2/73

- sign 0.007+/-0.000 χ^2/NDF: 9537241.1/37

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: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

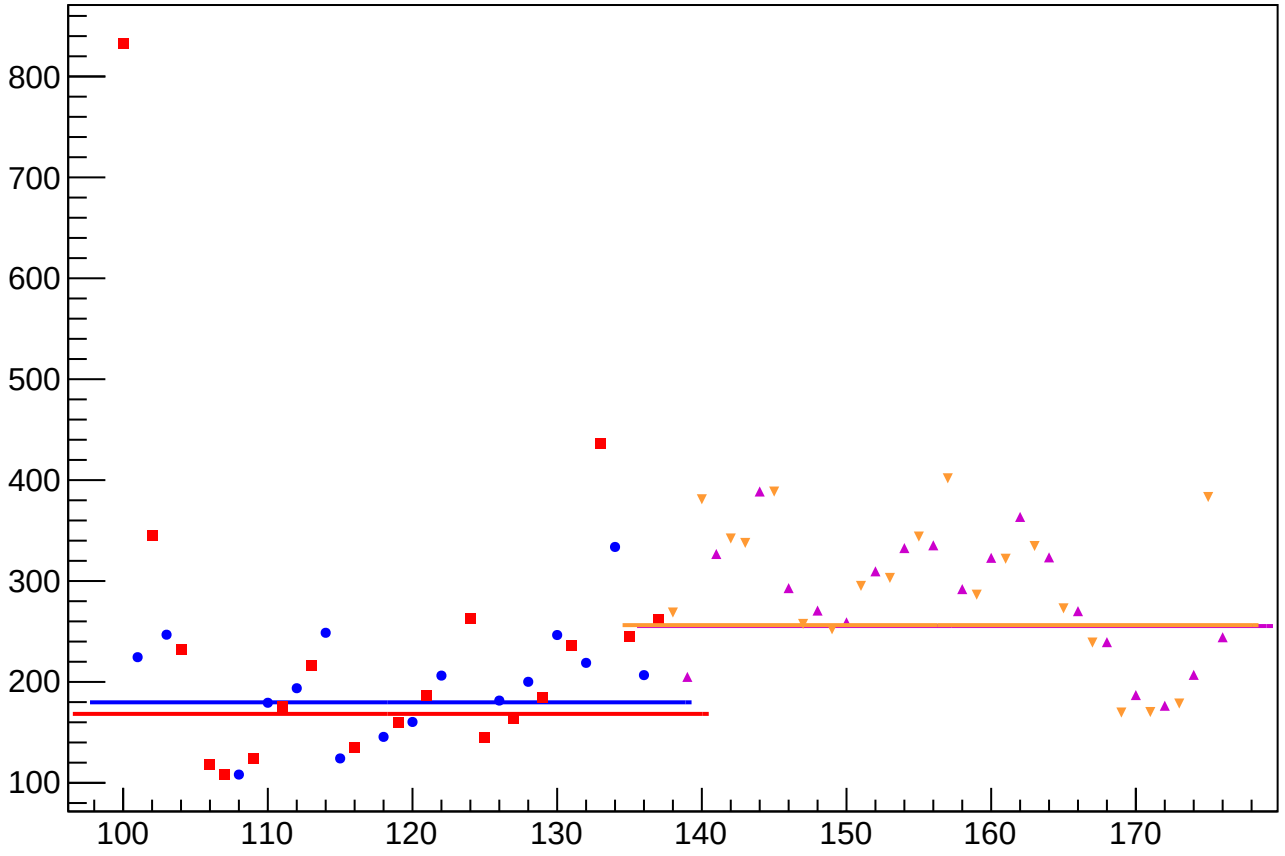
Left In: -0.057+/-0.068 χ^2/NDF:27.8/18

+ sign -0.005+/-0.049 χ^2/NDF: 31.6/35

All: 0.007+/-0.034 χ^2/NDF: 79.7/73

- sign 0.019+/-0.048 χ^2/NDF: 48.0/37

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: 256.285+/-0.048 χ^2/NDF:2344962.6/19

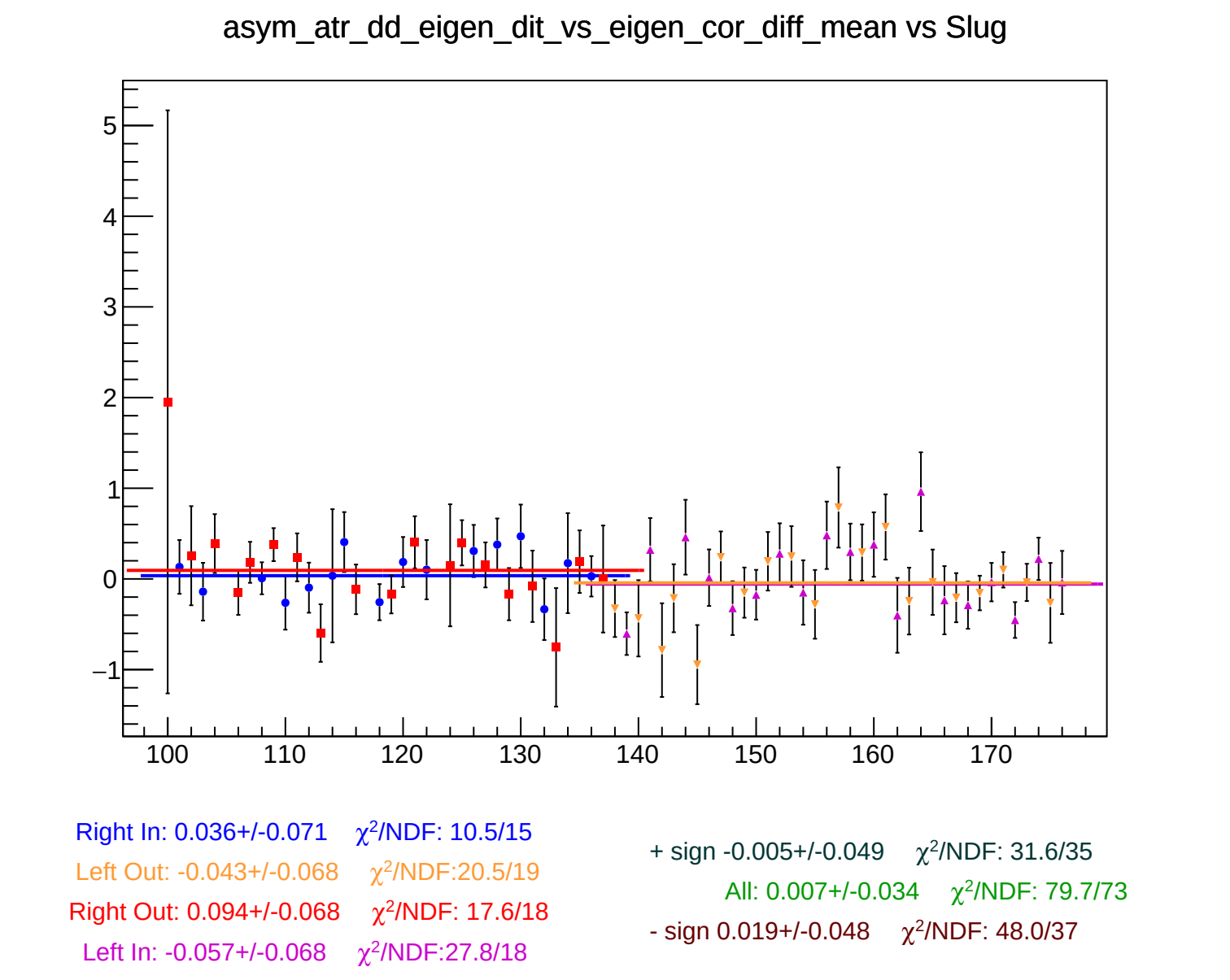
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

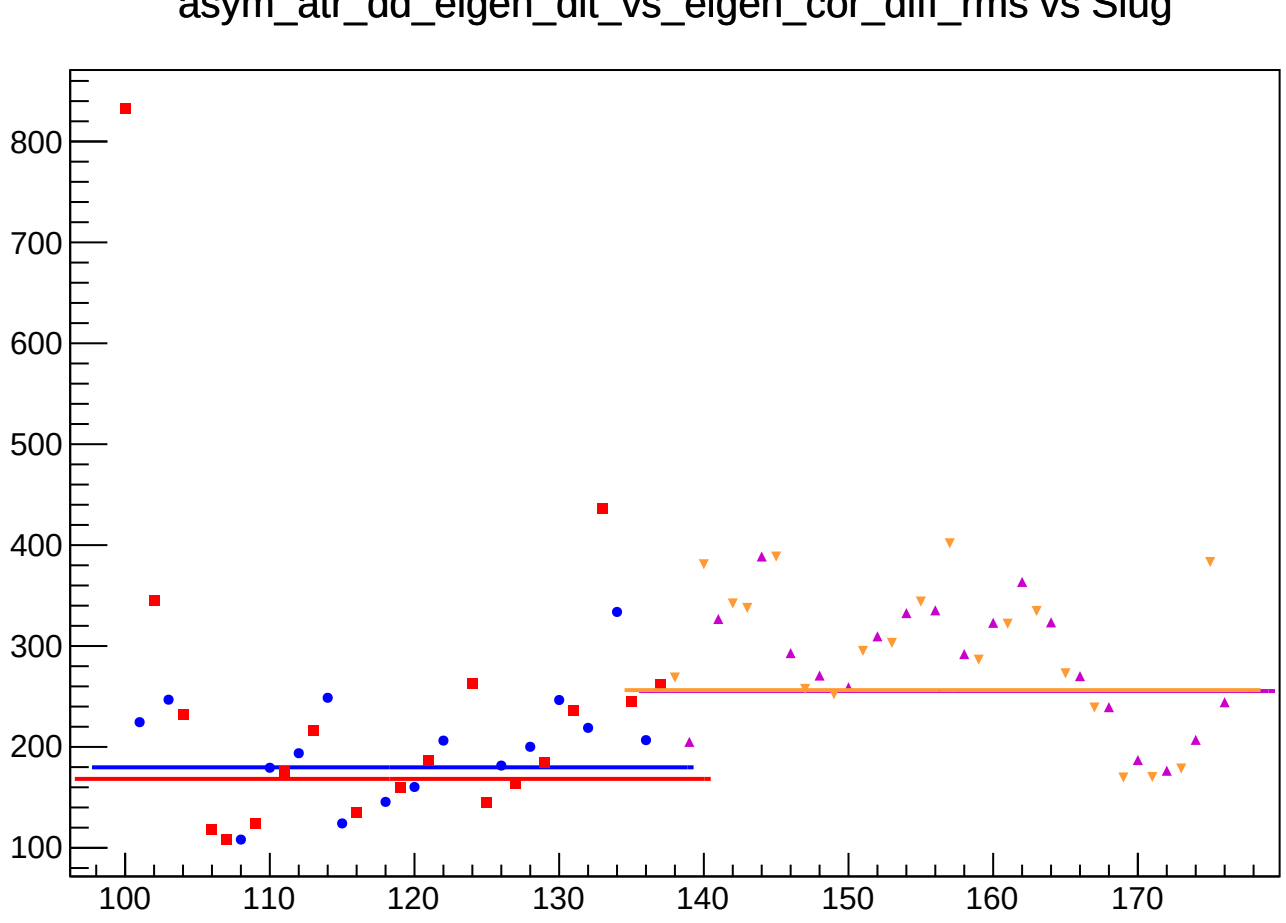
Left In: 255.377+/-0.048 χ^2/NDF:1571730.2/18

+ sign 219.544+/-0.035 χ^2/NDF: 4484353.5/35

All: 215.528+/-0.024 χ^2/NDF: 9141172.3/73

- sign 211.673+/-0.034 χ^2/NDF: 4630395.9/37


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.043+/-0.068 χ²/NDF:20.5/19
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.057+/-0.068 χ²/NDF:27.8/18
+ sign -0.005+/-0.049 χ²/NDF: 31.6/35
All: 0.007+/-0.034 χ²/NDF: 79.7/73
- sign 0.019+/-0.048 χ²/NDF: 48.0/37



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 256.285+/-0.048 χ^2/NDF:2344962.6/19

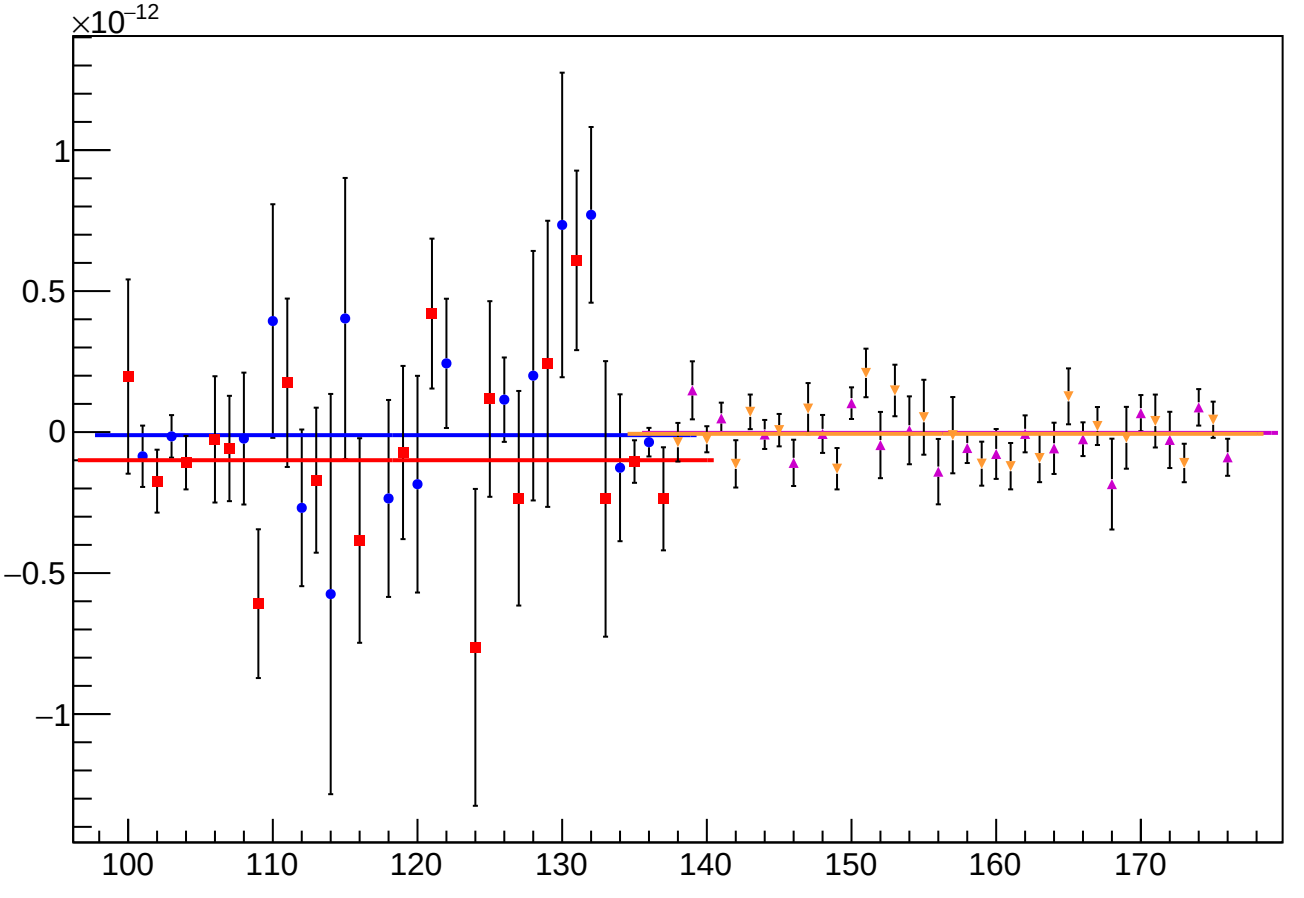
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.377+/-0.048 χ^2/NDF:1571730.2/18

+ sign 219.544+/-0.035 χ^2/NDF: 4484353.5/35

All: 215.528+/-0.024 χ^2/NDF: 9141172.3/73

- sign 211.673+/-0.034 χ^2/NDF: 4630395.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.7/19

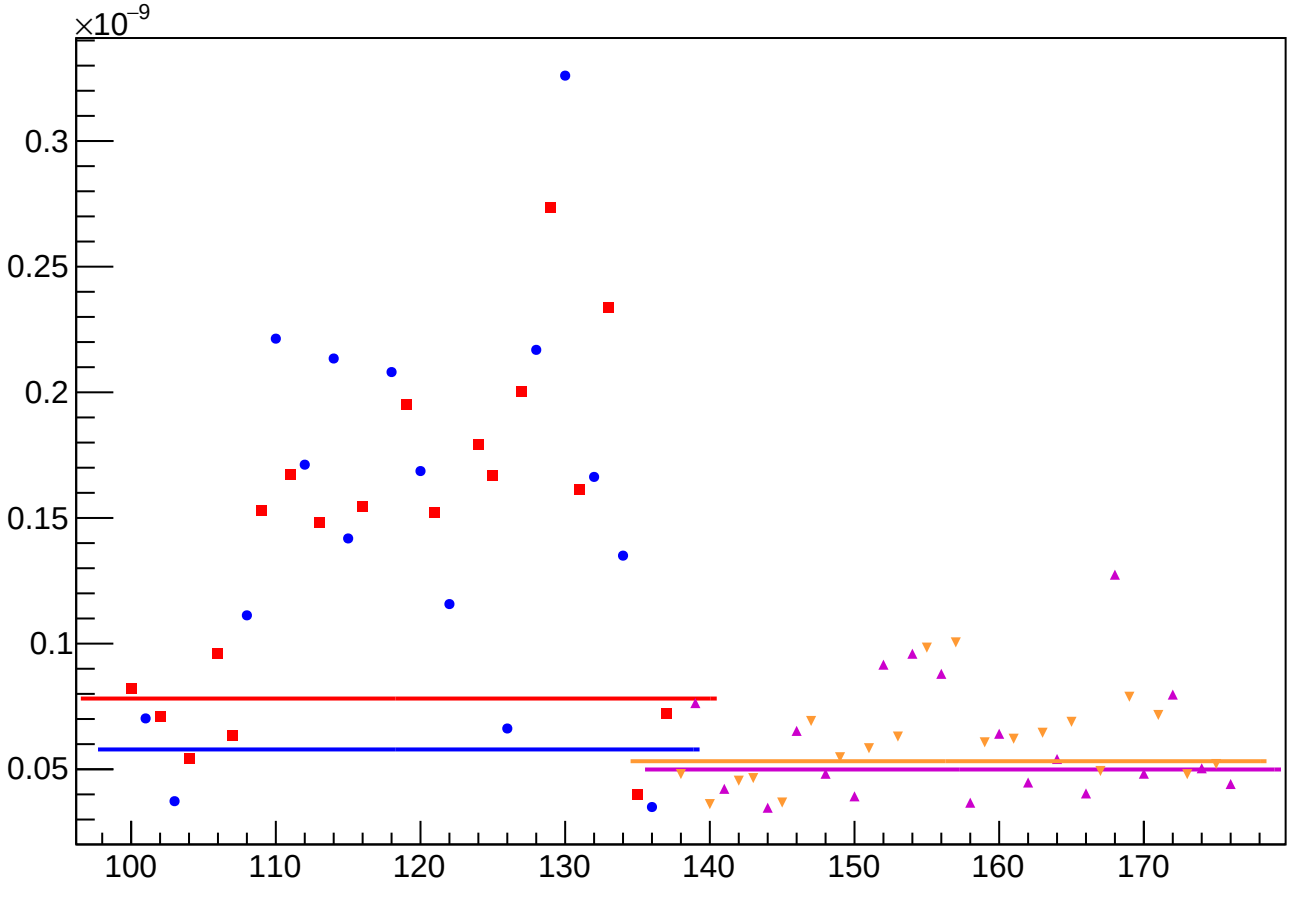
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/35

All: -0.000+/-0.000 χ^2/NDF: 83.1/73

- sign -0.000+/-0.000 χ^2/NDF: 41.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1390065.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

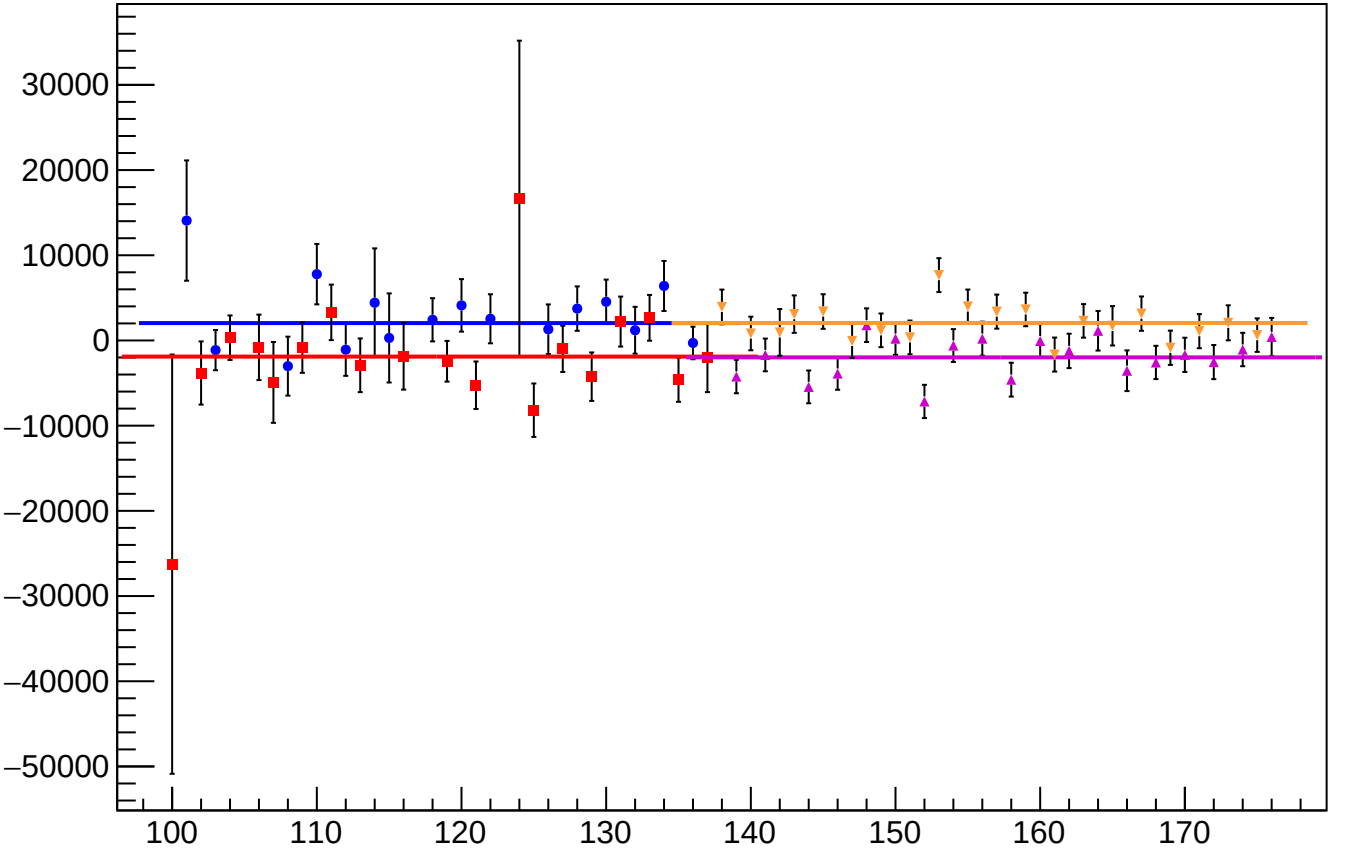
Left In: 0.000+/-0.000 χ^2/NDF:2149765.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 4741674.1/35

All: 0.000+/-0.000 χ^2/NDF: 10403266.6/73

- sign 0.000+/-0.000 χ^2/NDF: 5660881.8/37

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2054.317+/-456.701 χ^2/NDF:20.8/19

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

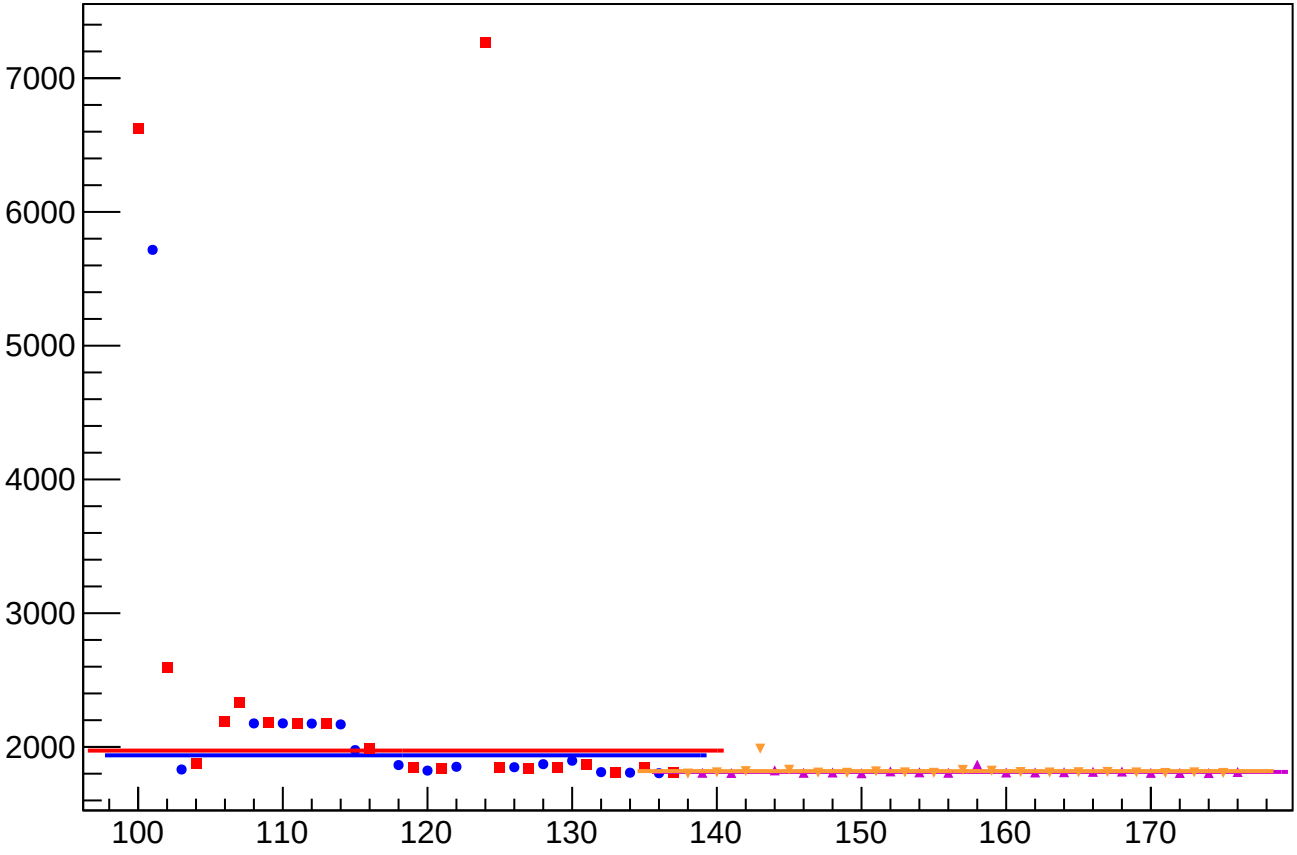
Left In: -1985.048+/-459.949 χ^2/NDF:26.0/18

+ sign 2050.119+/-388.093 χ^2/NDF: 37.2/35

All: 55.786+/-275.151 χ^2/NDF: 134.8/73

- sign -1959.863+/-390.161 χ^2/NDF: 44.5/37

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.400+/-0.323 χ^2/NDF:12645.7/19

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

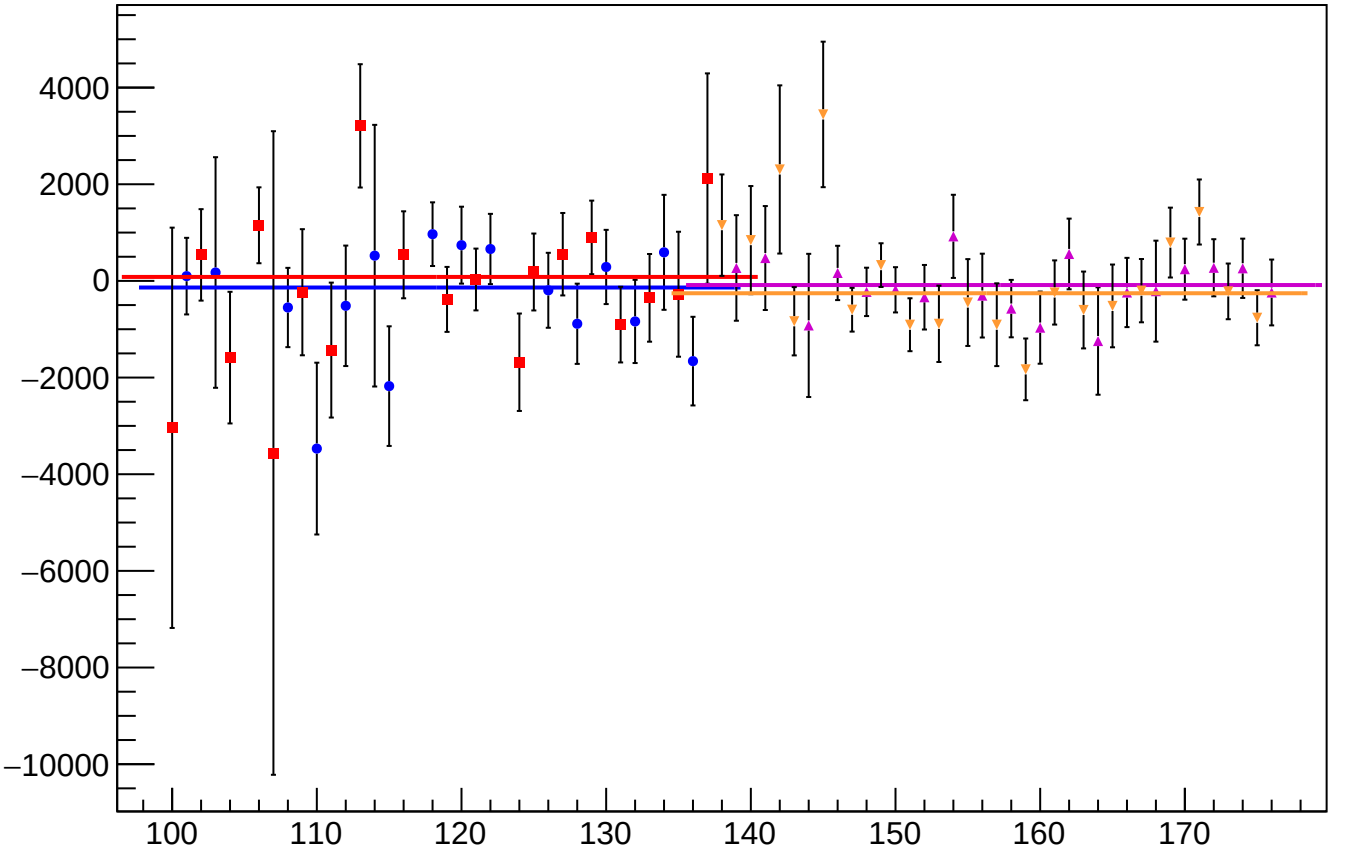
Left In: 1813.229+/-0.325 χ^2/NDF:1823.2/18

\+ sign 1852.149+/-0.274 χ^2/NDF: 687746.4/35

All: 1855.043+/-0.195 χ^2/NDF: 1134804.2/73

\- sign 1857.968+/-0.276 χ^2/NDF: 446834.2/37

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -255.326+/-154.288 χ^2/NDF:32.1/19

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

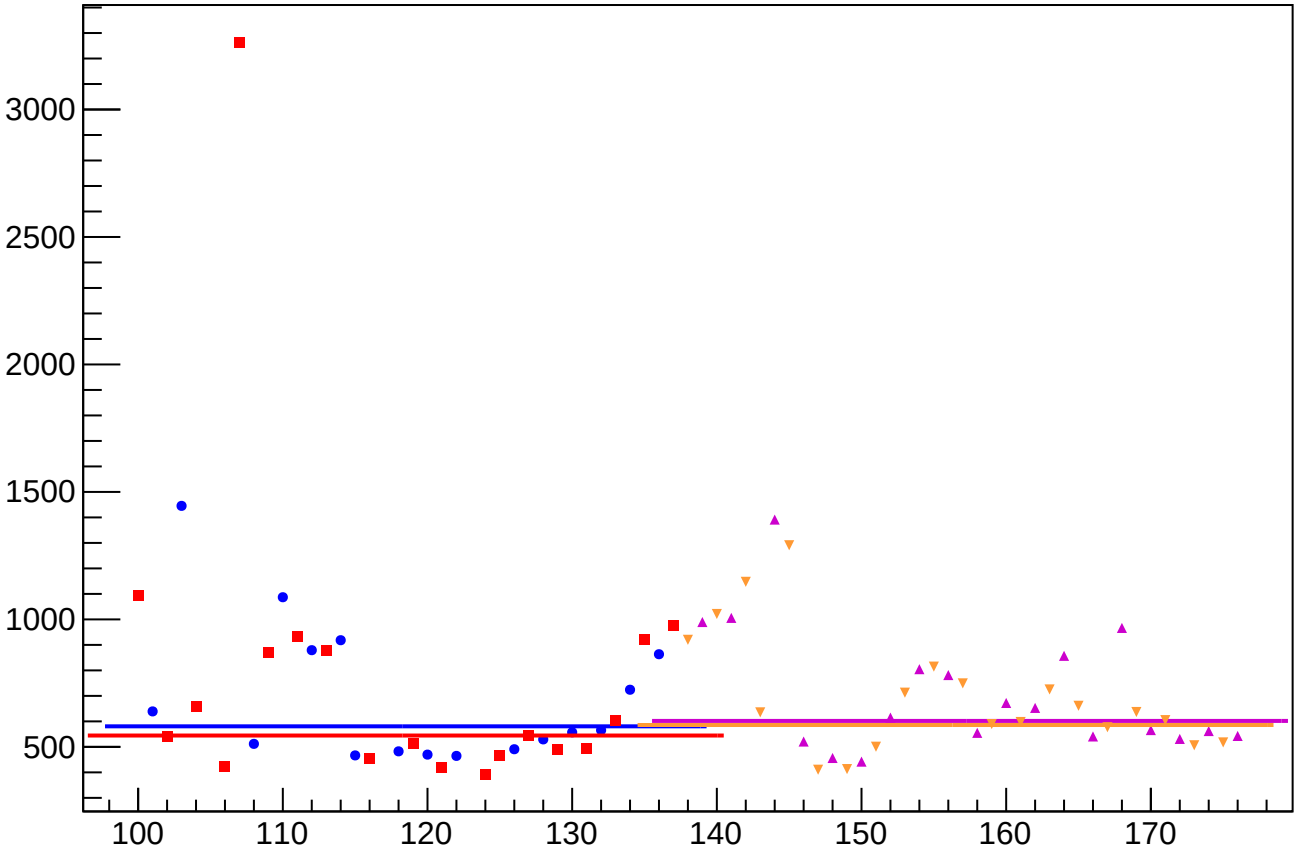
Left In: -85.425+/-159.791 χ^2/NDF:7.6/18

+ sign -218.589+/-128.204 χ^2/NDF: 49.1/35

All: -124.490+/-91.176 χ^2/NDF: 77.9/73

- sign -28.192+/-129.693 χ^2/NDF: 27.7/37

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 585.802+/-0.109 χ^2/NDF:2214364.3/19

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

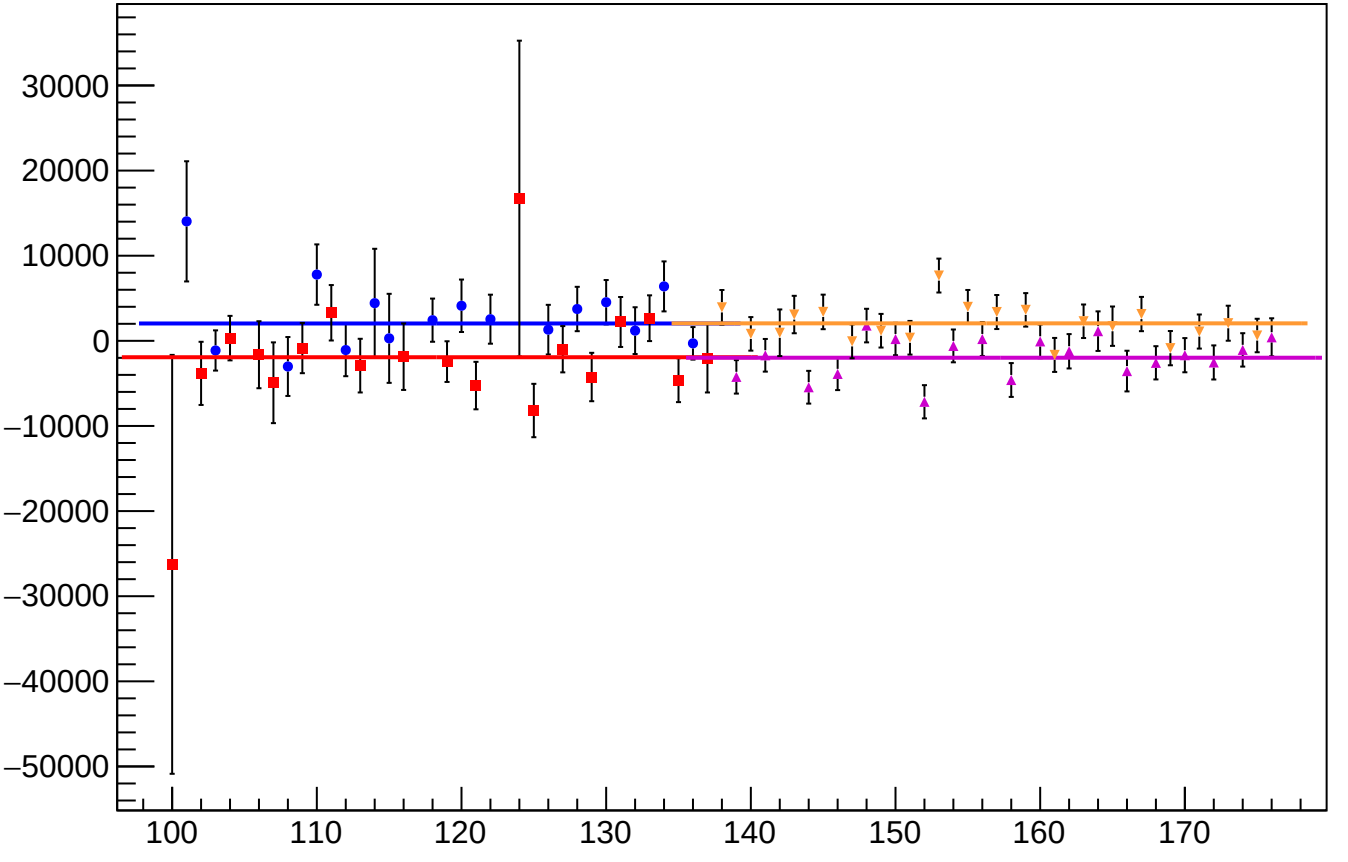
Left In: 601.812+/-0.113 χ^2/NDF:2206210.1/18

+ sign 584.195+/-0.091 χ^2/NDF: 3218475.8/35

All: 583.241+/-0.064 χ^2/NDF: 6800255.2/73

- sign 582.265+/-0.092 χ^2/NDF: 3581555.4/37

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2054.295+/-456.701 χ^2/NDF:20.8/19

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

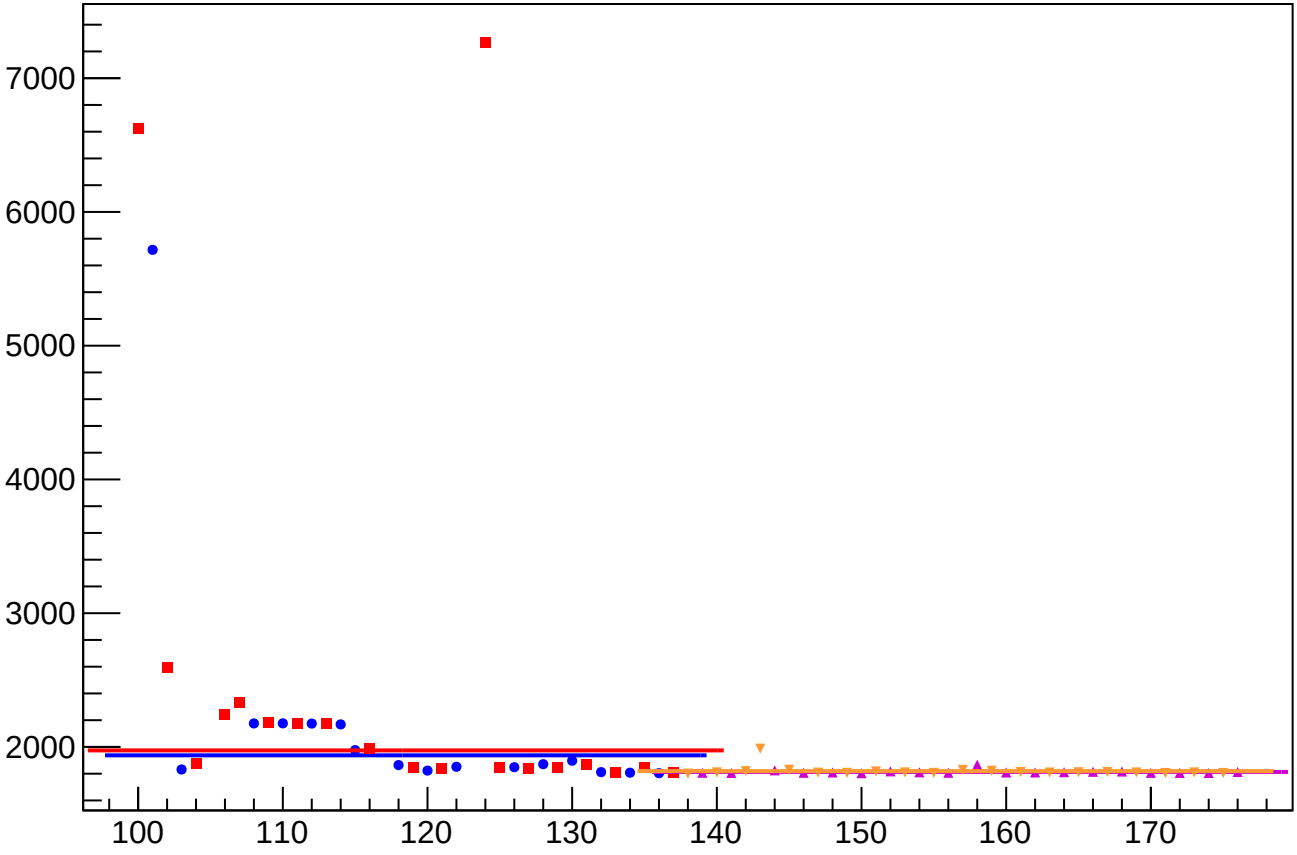
Left In: -1985.120+/-459.949 χ^2/NDF:26.0/18

+ sign 2050.001+/-388.093 χ^2/NDF: 37.2/35

All: 51.859+/-275.185 χ^2/NDF: 134.9/73

- sign -1968.636+/-390.257 χ^2/NDF: 44.4/37

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.400+/-0.323 χ^2/NDF:12645.7/19

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

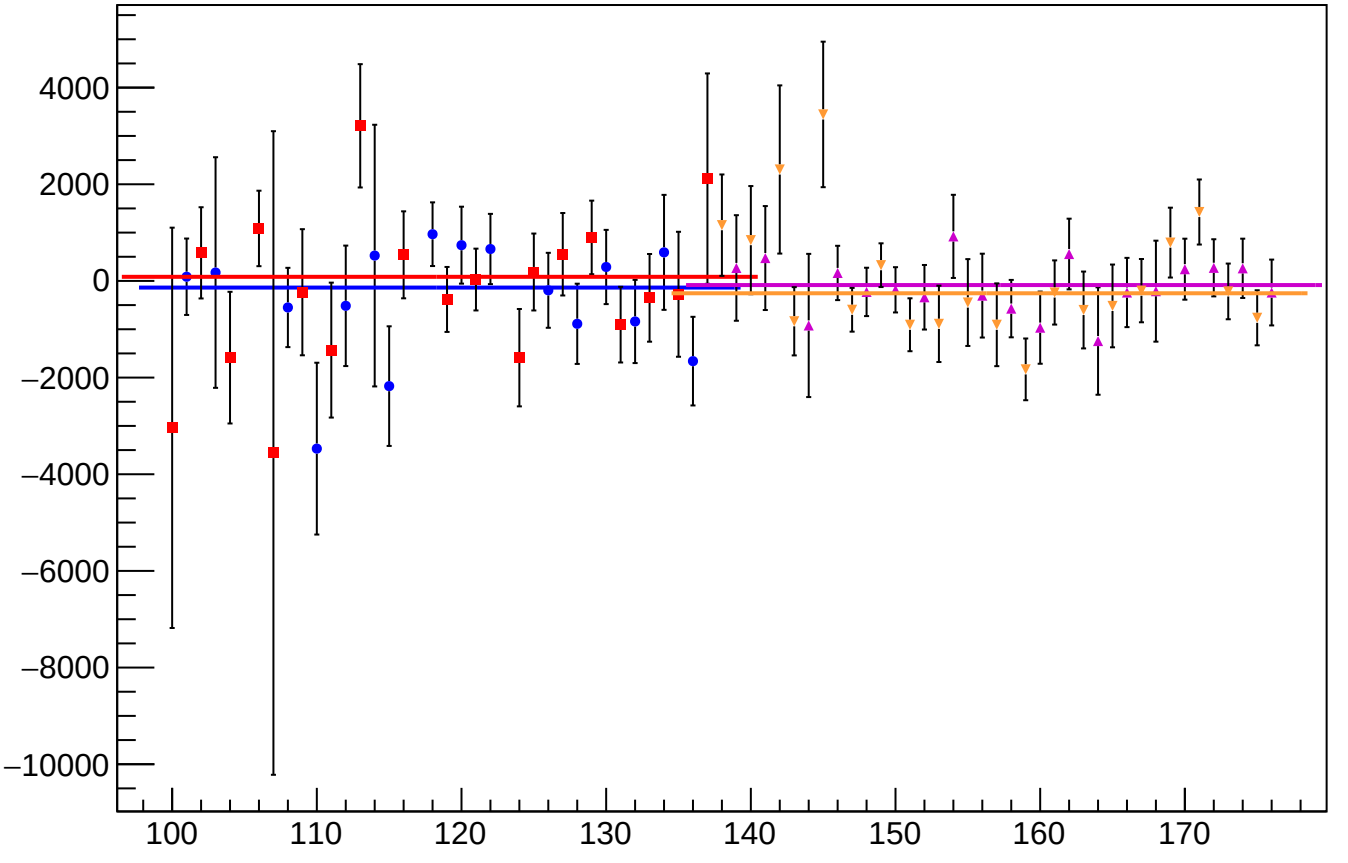
Left In: 1813.229+/-0.325 χ^2/NDF:1823.2/18

+ sign 1852.149+/-0.274 χ^2/NDF: 687746.4/35

All: 1855.208+/-0.195 χ^2/NDF: 1138822.0/73

- sign 1858.302+/-0.276 χ^2/NDF: 450825.7/37

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -255.410+/-154.287 χ^2/NDF:32.1/19

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

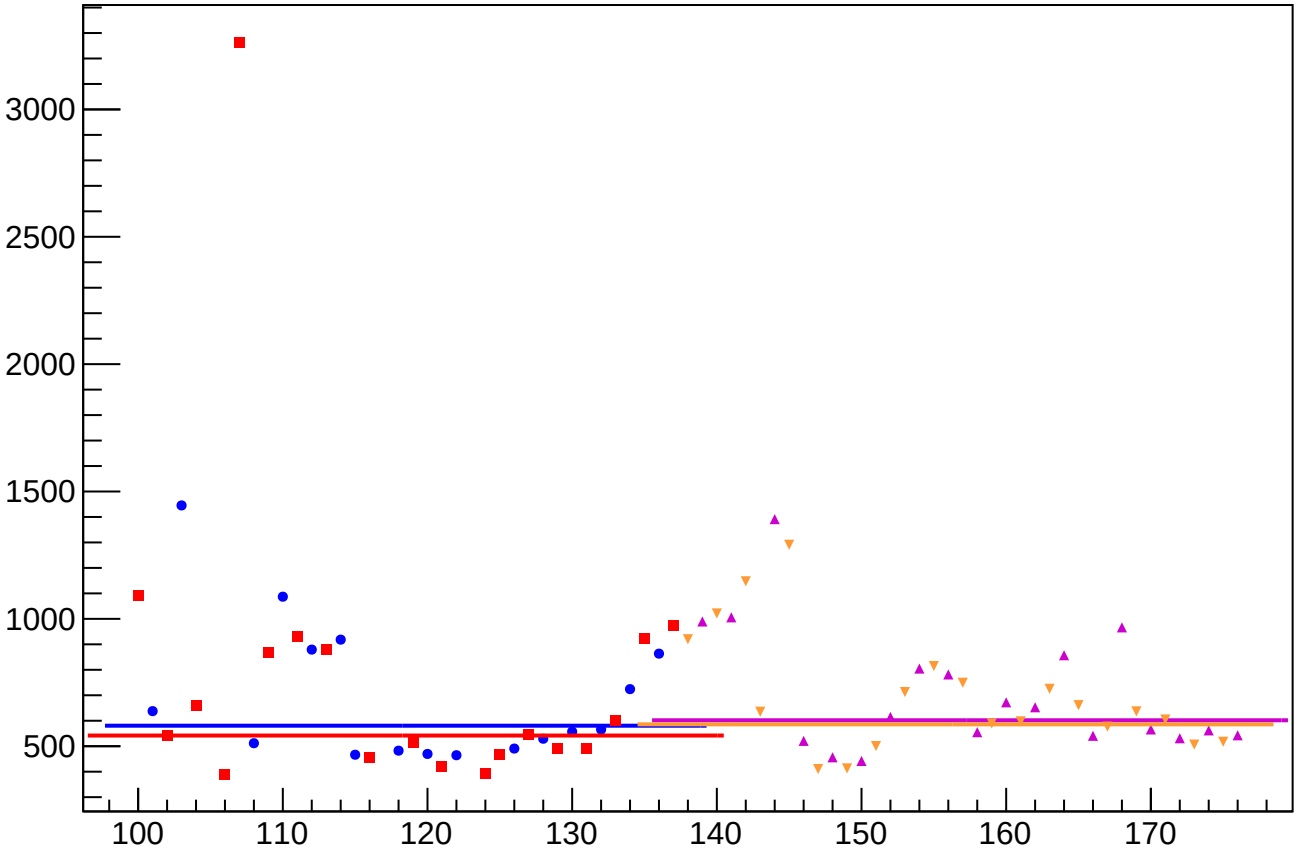
Left In: -85.485+/-159.793 χ^2/NDF:7.6/18

+ sign -218.899+/-128.195 χ^2/NDF: 49.1/35

All: -124.182+/-91.163 χ^2/NDF: 77.5/73

- sign -27.279+/-129.667 χ^2/NDF: 27.3/37

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 585.800+/-0.109 χ^2/NDF:2214486.3/19

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

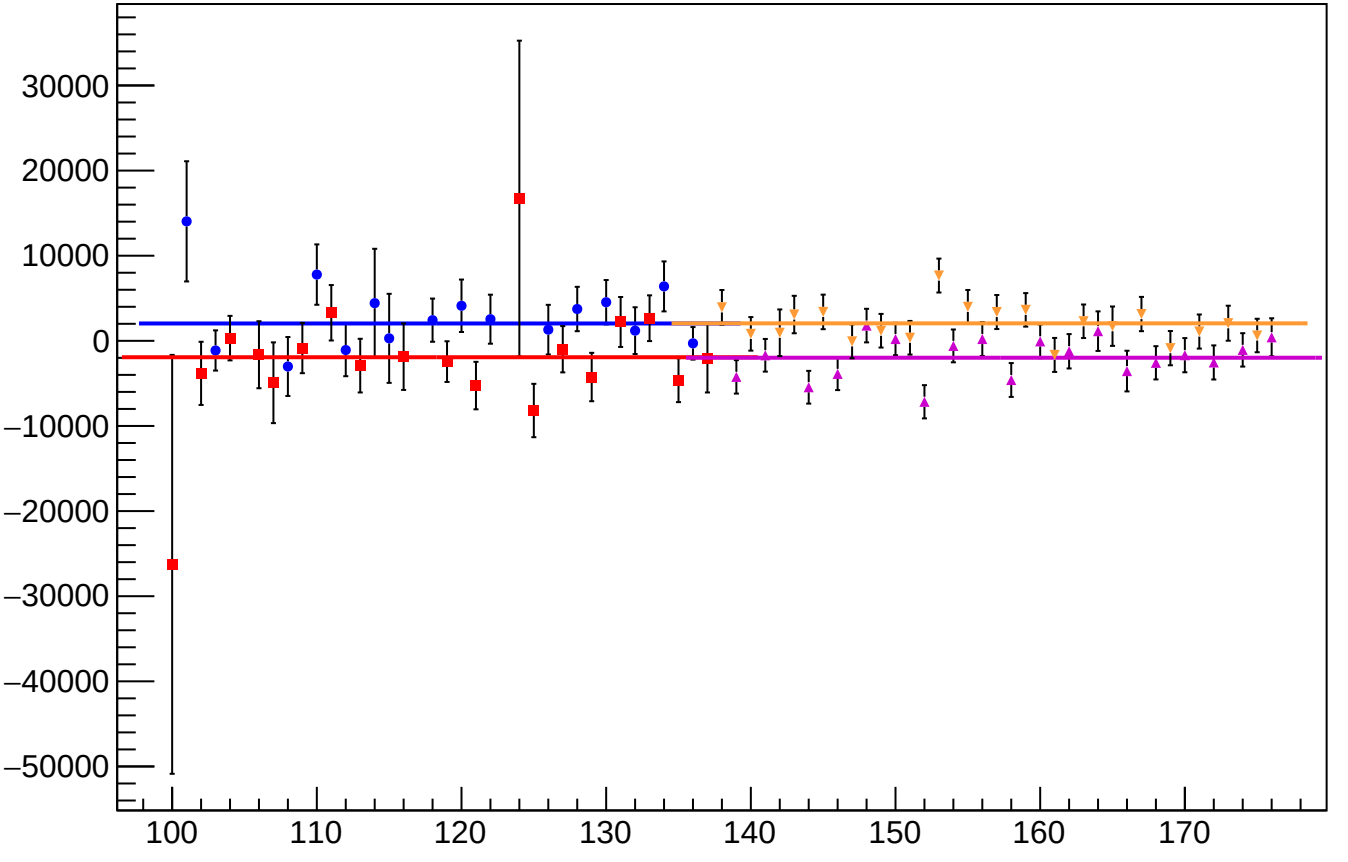
Left In: 601.818+/-0.113 χ^2/NDF:2206242.0/18

+ sign 584.165+/-0.091 χ^2/NDF: 3218112.3/35

All: 582.782+/-0.064 χ^2/NDF: 6839590.7/73

- sign 581.368+/-0.092 χ^2/NDF: 3621008.0/37

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2054.295+/-456.701 χ^2/NDF:20.8/19

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

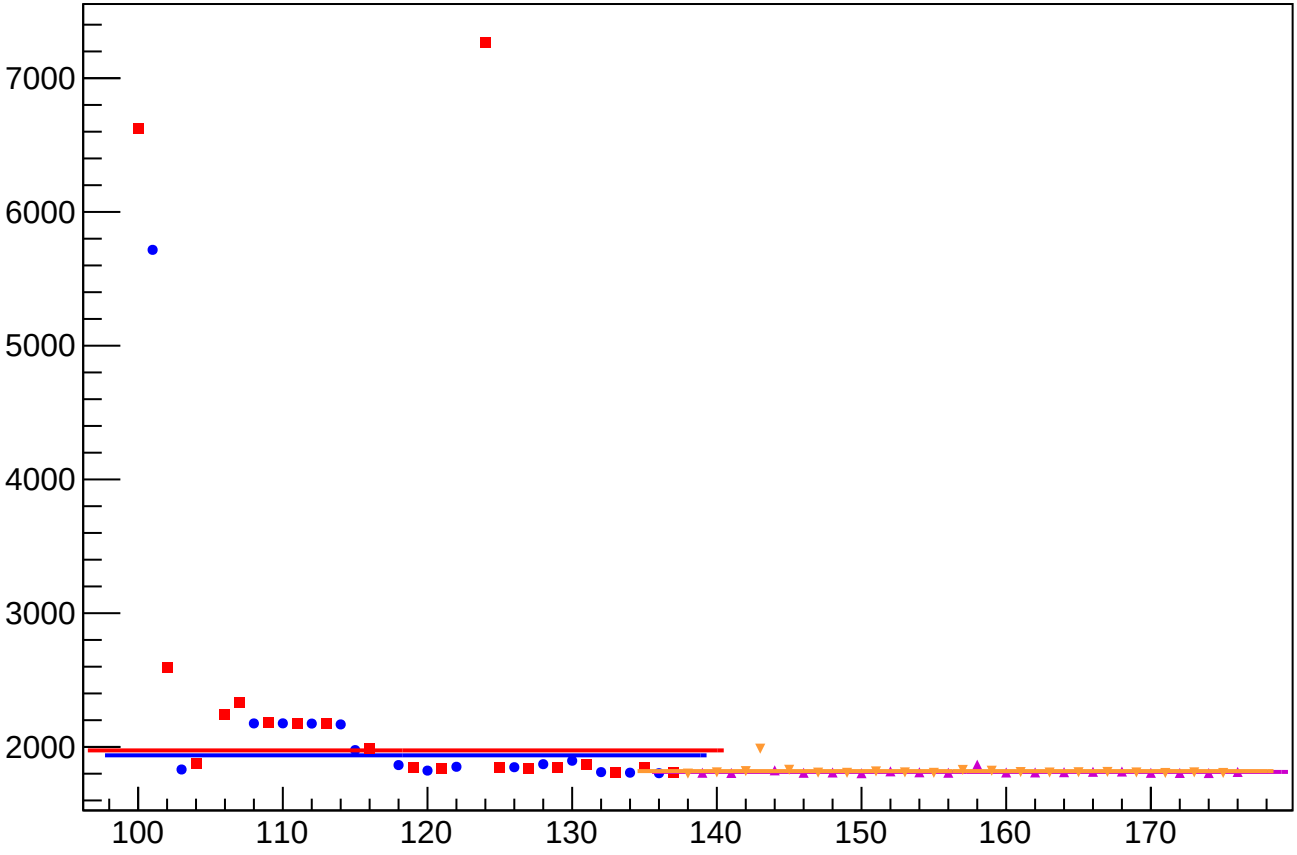
Left In: -1985.120+/-459.949 χ^2/NDF:26.0/18

+ sign 2050.001+/-388.093 χ^2/NDF: 37.2/35

All: 51.859+/-275.185 χ^2/NDF: 134.9/73

- sign -1968.636+/-390.257 χ^2/NDF: 44.4/37

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.400+/-0.323 χ^2/NDF:12645.7/19

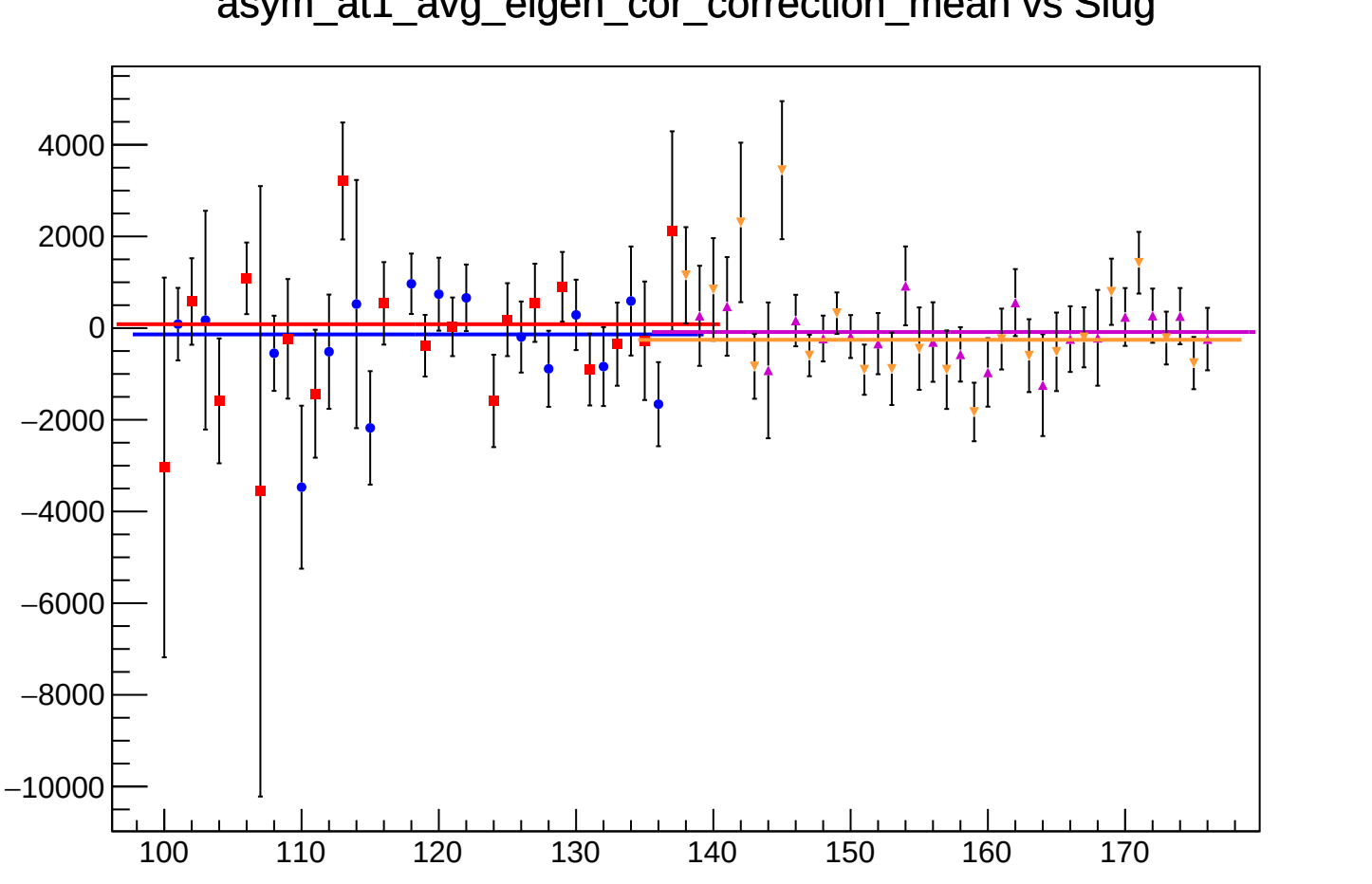
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.229+/-0.325 χ^2/NDF:1823.2/18

+ sign 1852.149+/-0.274 χ^2/NDF: 687746.4/35

All: 1855.208+/-0.195 χ^2/NDF: 1138822.0/73

- sign 1858.302+/-0.276 χ^2/NDF: 450825.7/37



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -255.410+/-154.287 χ^2/NDF:32.1/19

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

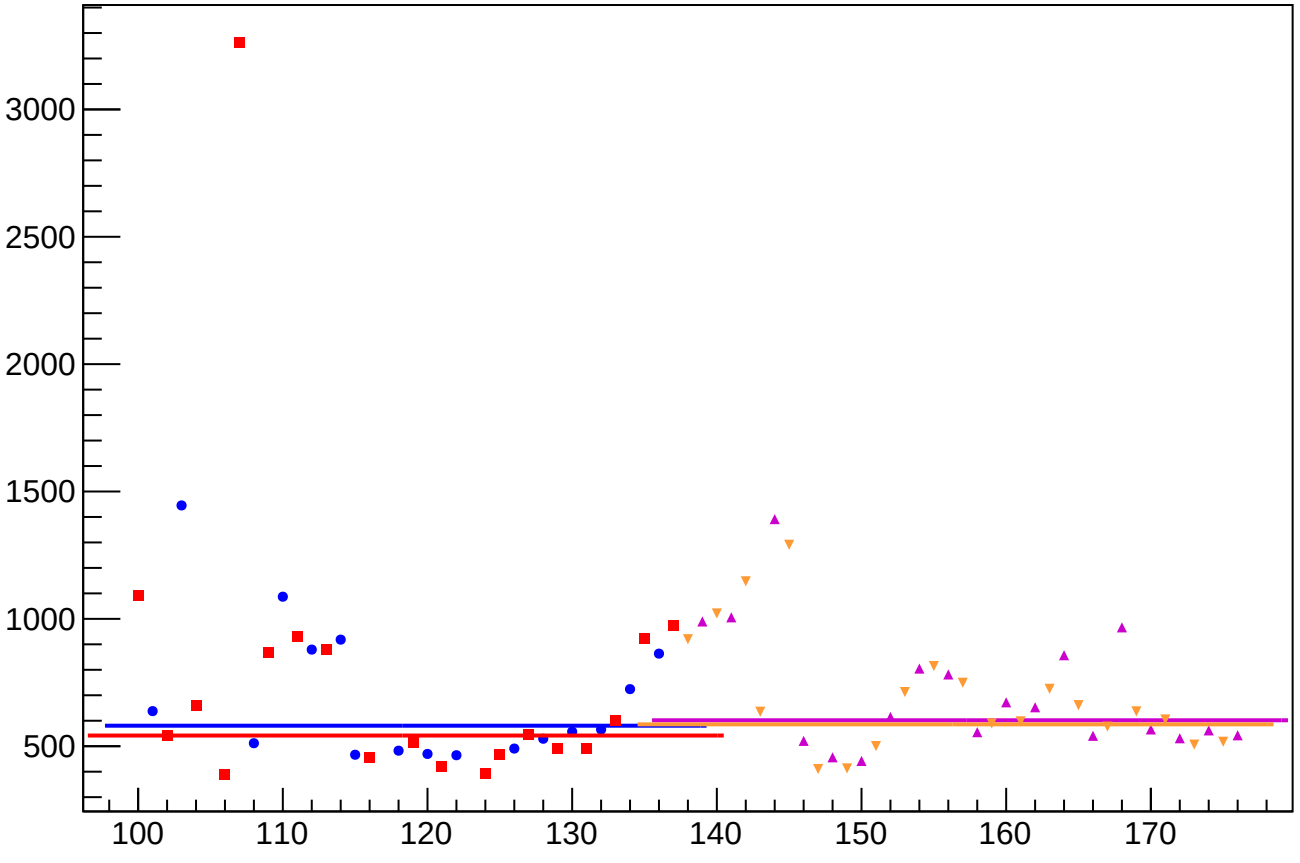
Left In: -85.485+/-159.793 χ^2/NDF:7.6/18

+ sign -218.899+/-128.195 χ^2/NDF: 49.1/35

All: -124.182+/-91.163 χ^2/NDF: 77.5/73

- sign -27.279+/-129.667 χ^2/NDF: 27.3/37

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 585.800+/-0.109 χ^2/NDF:2214486.3/19

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

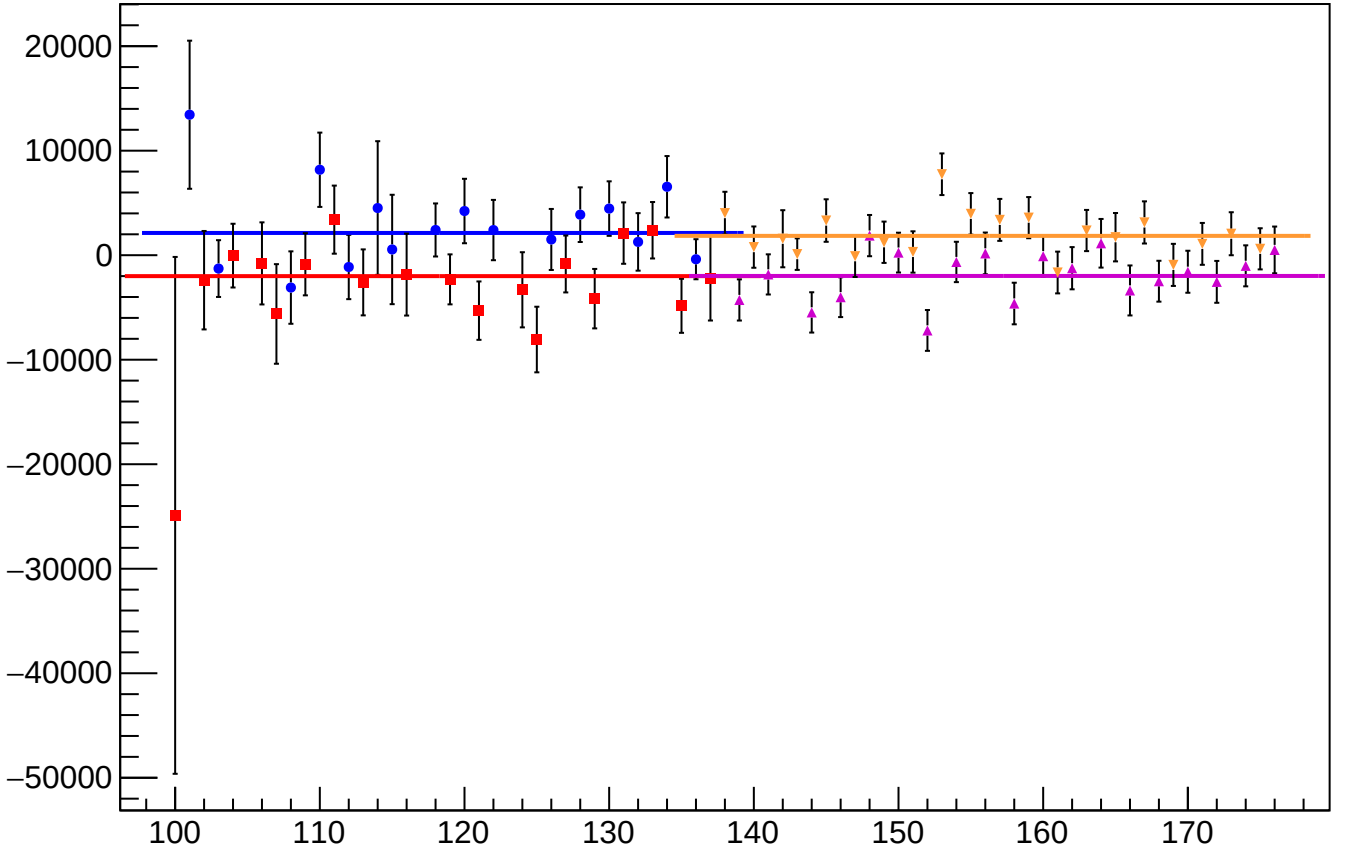
Left In: 601.818+/-0.113 χ^2/NDF:2206242.0/18

+ sign 584.165+/-0.091 χ^2/NDF: 3218112.3/35

All: 582.782+/-0.064 χ^2/NDF: 6839590.7/73

- sign 581.368+/-0.092 χ^2/NDF: 3621008.0/37

dit_asym_at1_avg_mean vs Slug



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1849.826+/-446.478 χ^2/NDF:22.2/19

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

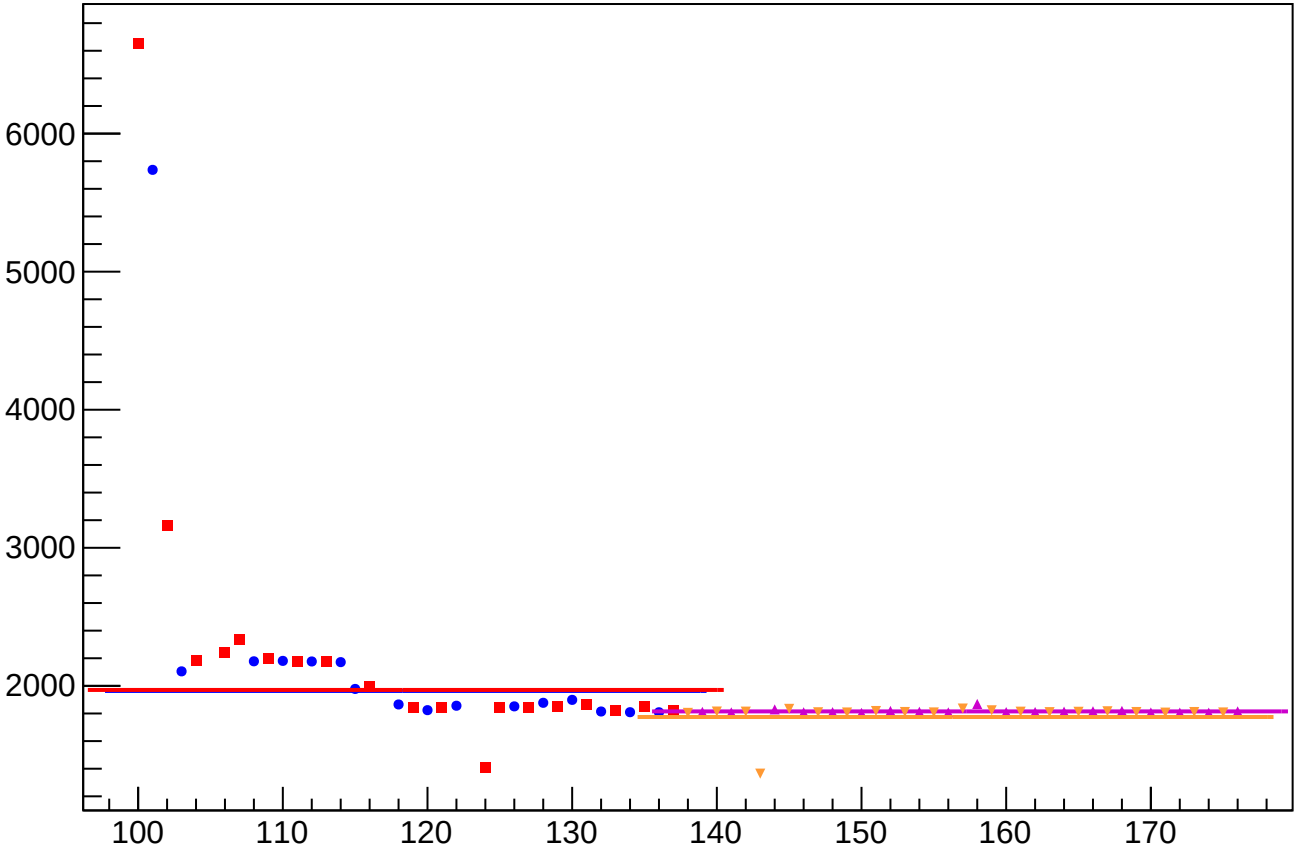
Left In: -1985.270+/-460.432 χ^2/NDF:26.4/18

+ sign 1923.351+/-383.138 χ^2/NDF: 38.8/35

All: 4.001+/-273.492 χ^2/NDF: 133.1/73

- sign -1990.026+/-390.521 χ^2/NDF: 43.1/37

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1774.425+/-0.316 χ^2/NDF:162394.6/19

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

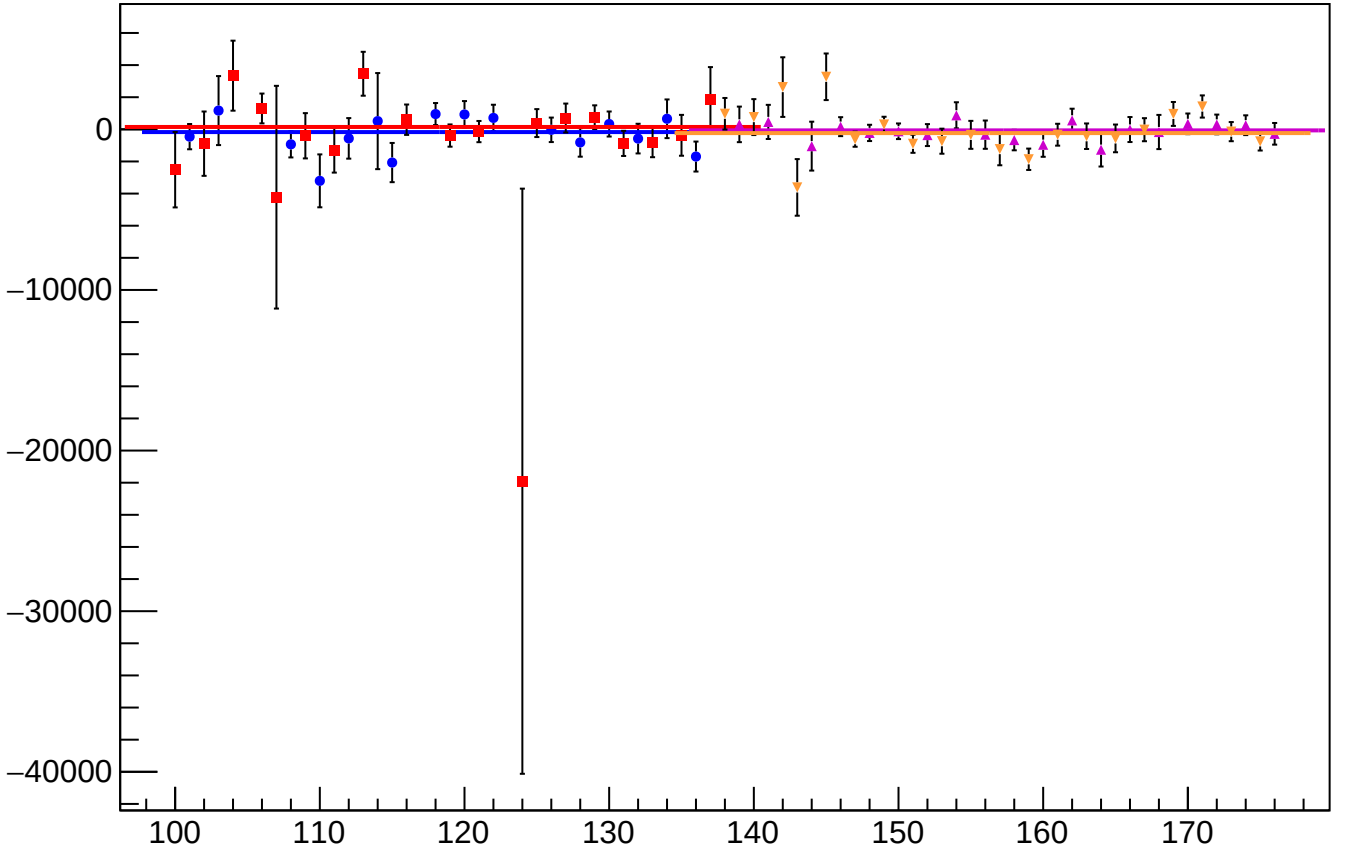
Left In: 1815.116+/-0.326 χ^2/NDF:1885.6/18

+ sign 1824.243+/-0.271 χ^2/NDF: 897111.3/35

All: 1841.147+/-0.193 χ^2/NDF: 1315954.0/73

- sign 1858.709+/-0.276 χ^2/NDF: 410905.0/37

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -233.620+/-162.346 χ^2/NDF:34.4/19

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

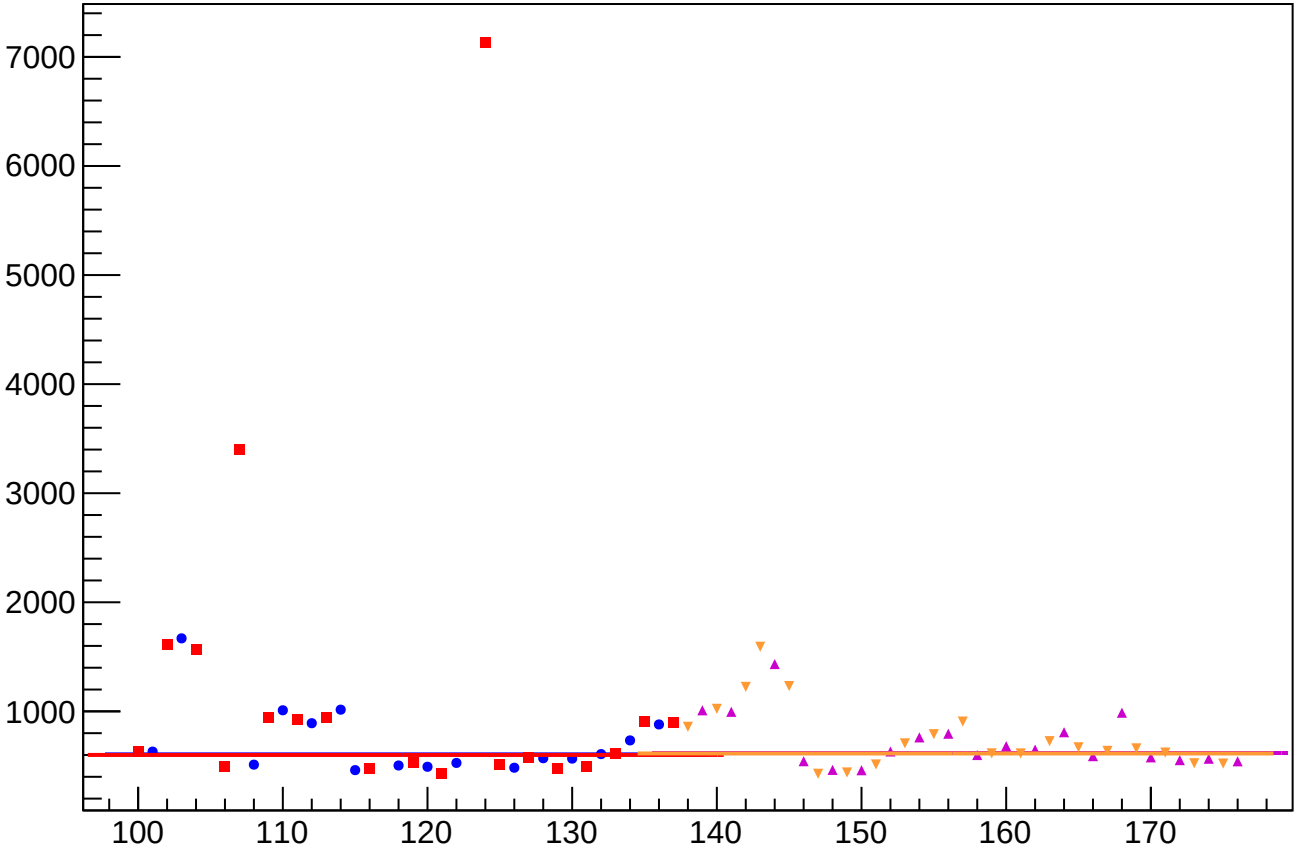
Left In: -65.280+/-163.205 χ^2/NDF:8.1/18

+ sign -213.538+/-133.920 χ^2/NDF: 51.7/35

All: -107.534+/-95.234 χ^2/NDF: 81.7/73

- sign 0.918+/-135.457 χ^2/NDF: 28.8/37

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 613.853+/-0.115 χ^2/NDF:2662243.7/19

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

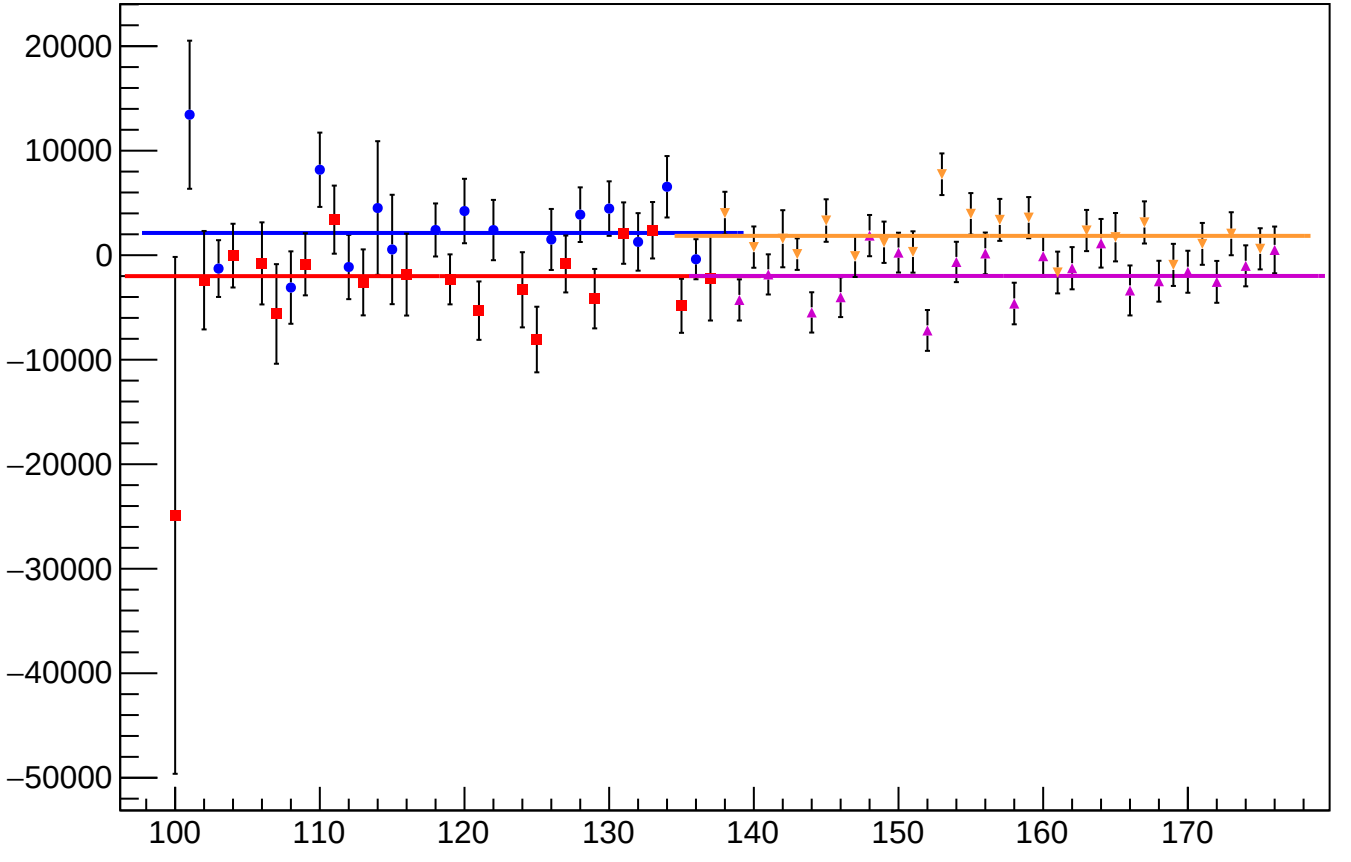
Left In: 618.067+/-0.115 χ^2/NDF:2049569.1/18

+ sign 611.161+/-0.095 χ^2/NDF: 3826418.5/35

All: 611.865+/-0.067 χ^2/NDF: 8211876.4/73

- sign 612.585+/-0.096 χ^2/NDF: 4385346.1/37

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1849.826+/-446.478 χ^2/NDF:22.2/19

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

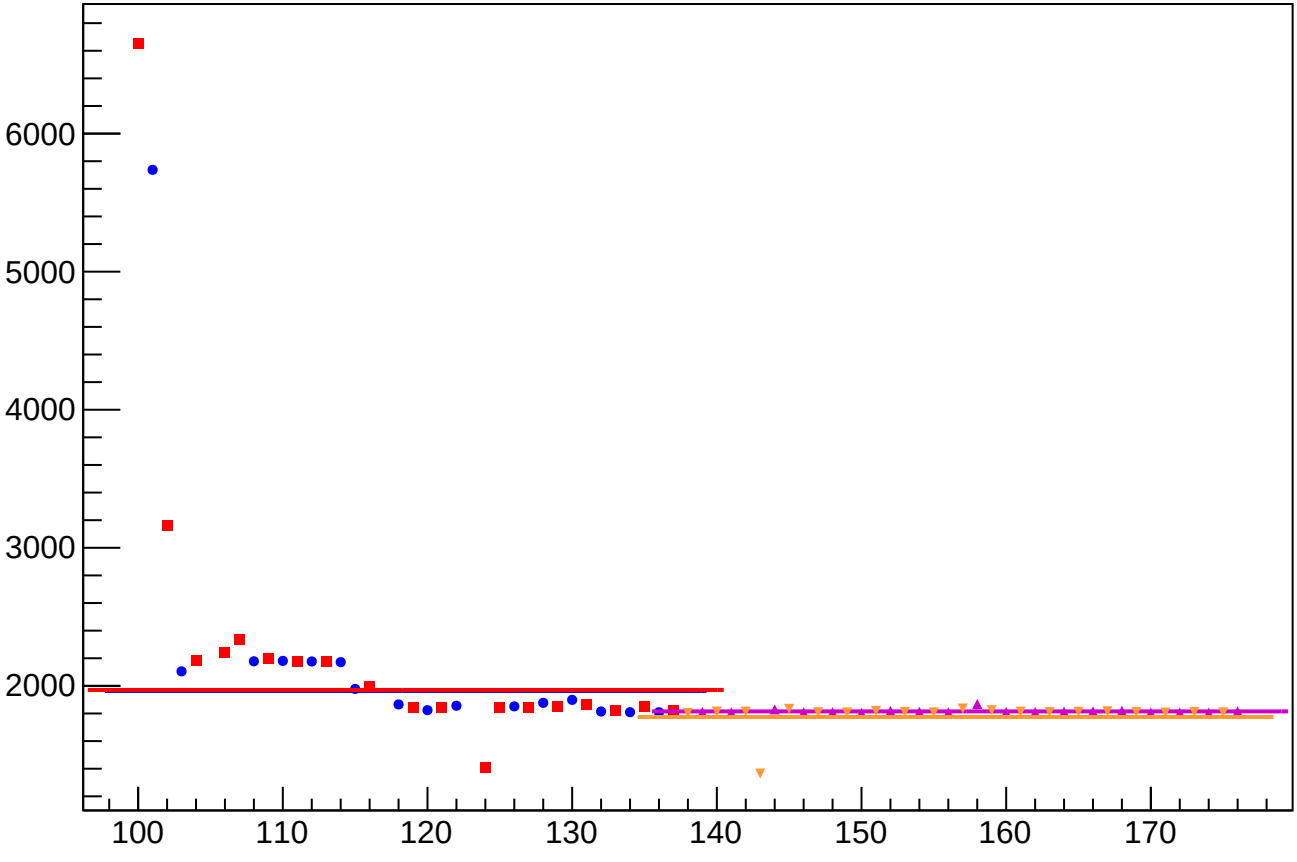
Left In: -1985.270+/-460.432 χ^2/NDF:26.4/18

+ sign 1923.351+/-383.138 χ^2/NDF: 38.8/35

All: 4.001+/-273.492 χ^2/NDF: 133.1/73

- sign -1990.026+/-390.520 χ^2/NDF: 43.1/37

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1774.425+/-0.316 χ^2/NDF:162394.5/19

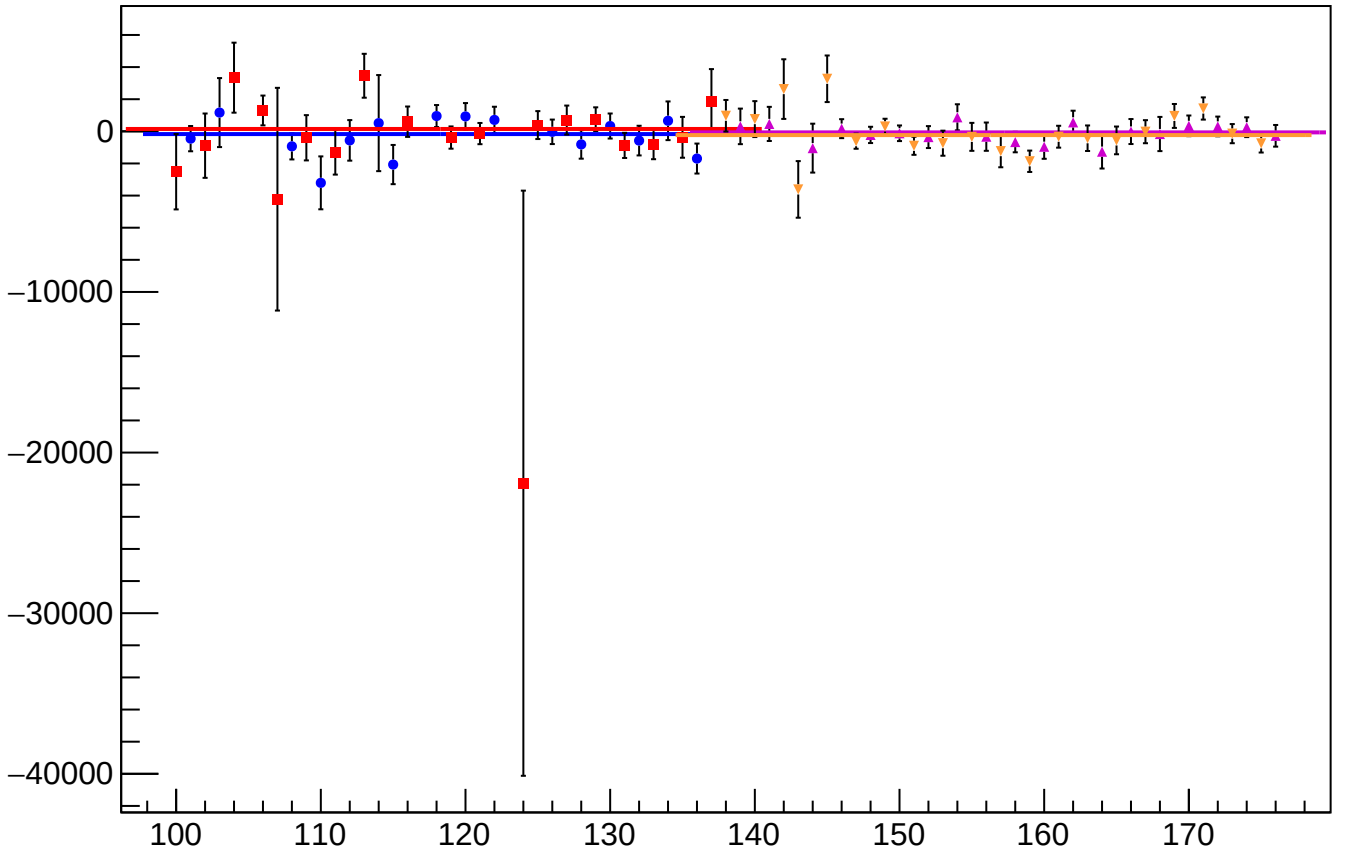
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.116+/-0.326 χ^2/NDF:1885.6/18

+ sign 1824.243+/-0.271 χ^2/NDF: 897110.8/35

All: 1841.147+/-0.193 χ^2/NDF: 1315952.0/73

- sign 1858.709+/-0.276 χ^2/NDF: 410903.5/37



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -233.620+/-162.346 χ^2/NDF:34.4/19

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

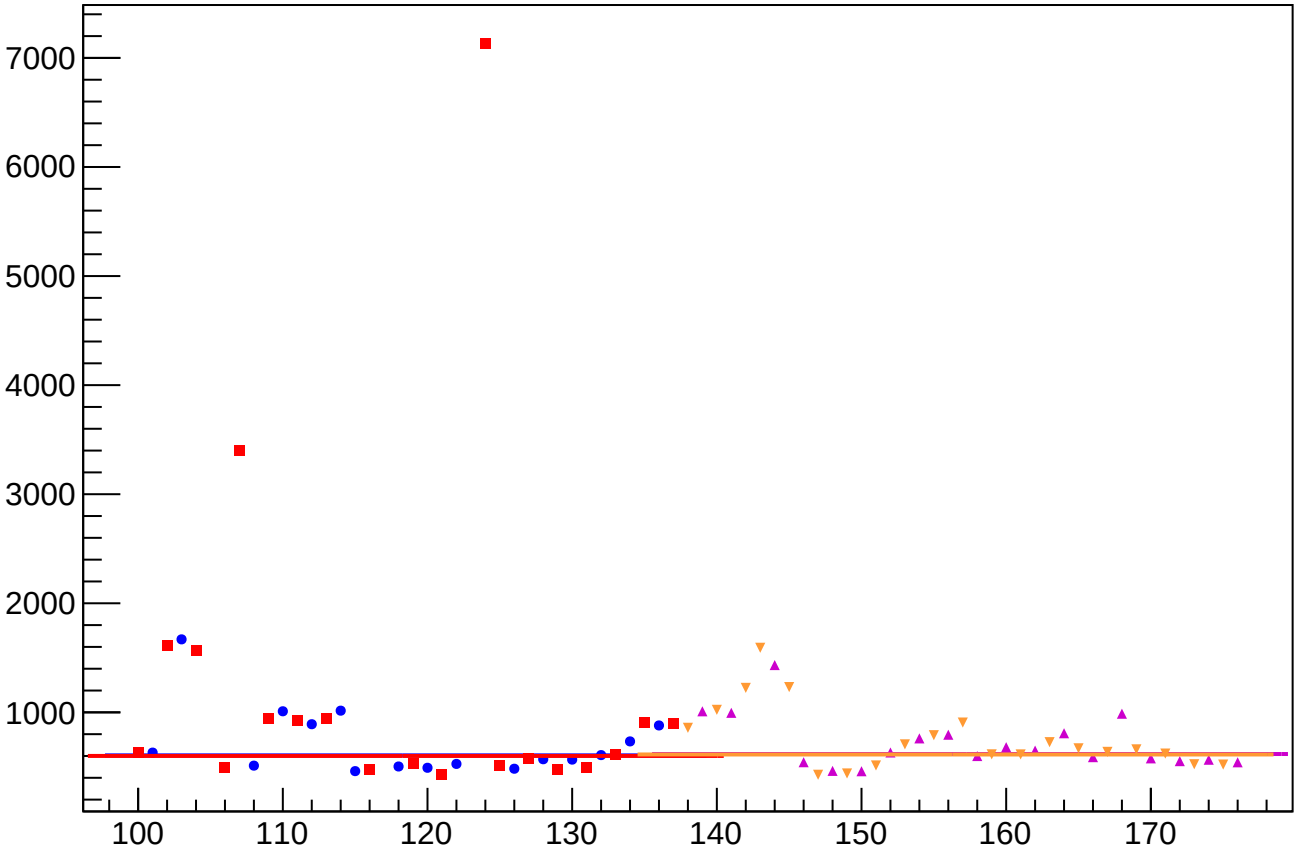
Left In: -65.280+/-163.205 χ^2/NDF:8.1/18

+ sign -213.538+/-133.920 χ^2/NDF: 51.7/35

All: -107.534+/-95.235 χ^2/NDF: 81.7/73

- sign 0.918+/-135.457 χ^2/NDF: 28.8/37

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 613.854+/-0.115 χ^2/NDF:2662237.3/19

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

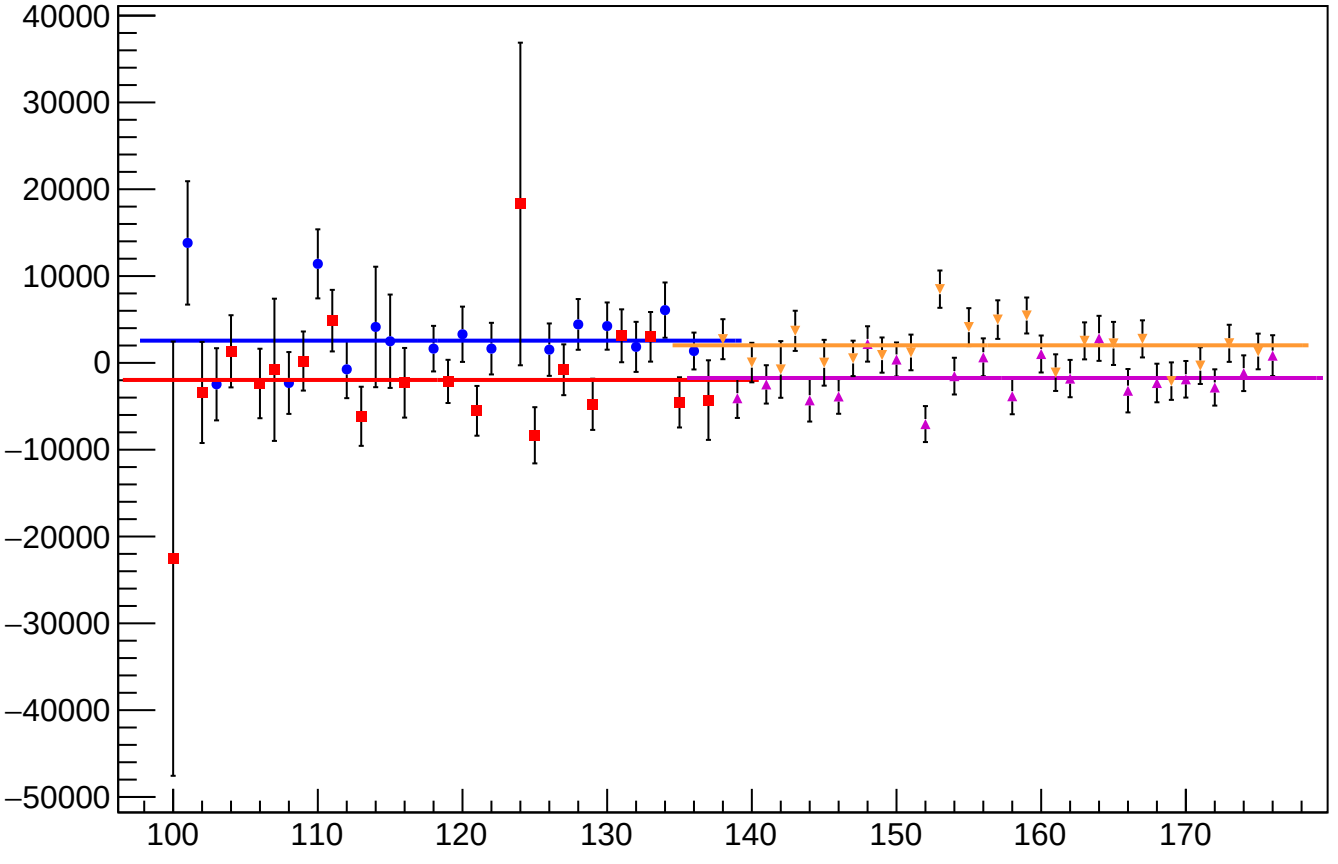
Left In: 618.068+/-0.115 χ^2/NDF:2049564.6/18

+ sign 611.162+/-0.095 χ^2/NDF: 3826421.0/35

All: 611.865+/-0.067 χ^2/NDF: 8211883.9/73

- sign 612.585+/-0.096 χ^2/NDF: 4385351.2/37

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2023.524+/-493.334 χ^2/NDF:25.6/19

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

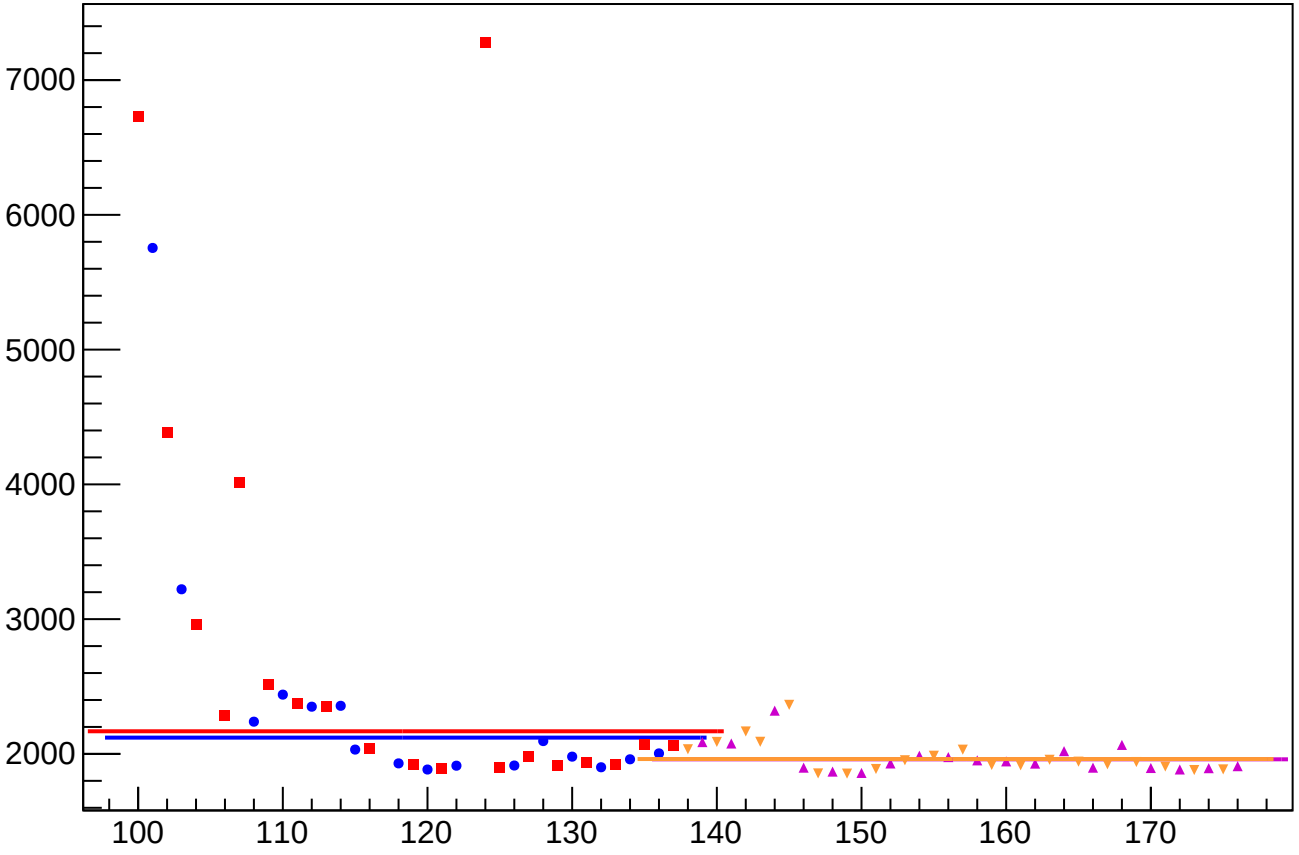
Left In: -1740.660+/-497.936 χ^2/NDF:23.8/18

+ sign 2169.034+/-421.290 χ^2/NDF: 40.5/35

All: 203.175+/-299.357 χ^2/NDF: 130.0/73

- sign -1801.690+/-425.449 χ^2/NDF: 45.4/37

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1961.797+/-0.349 χ^2/NDF:94665.0/19

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

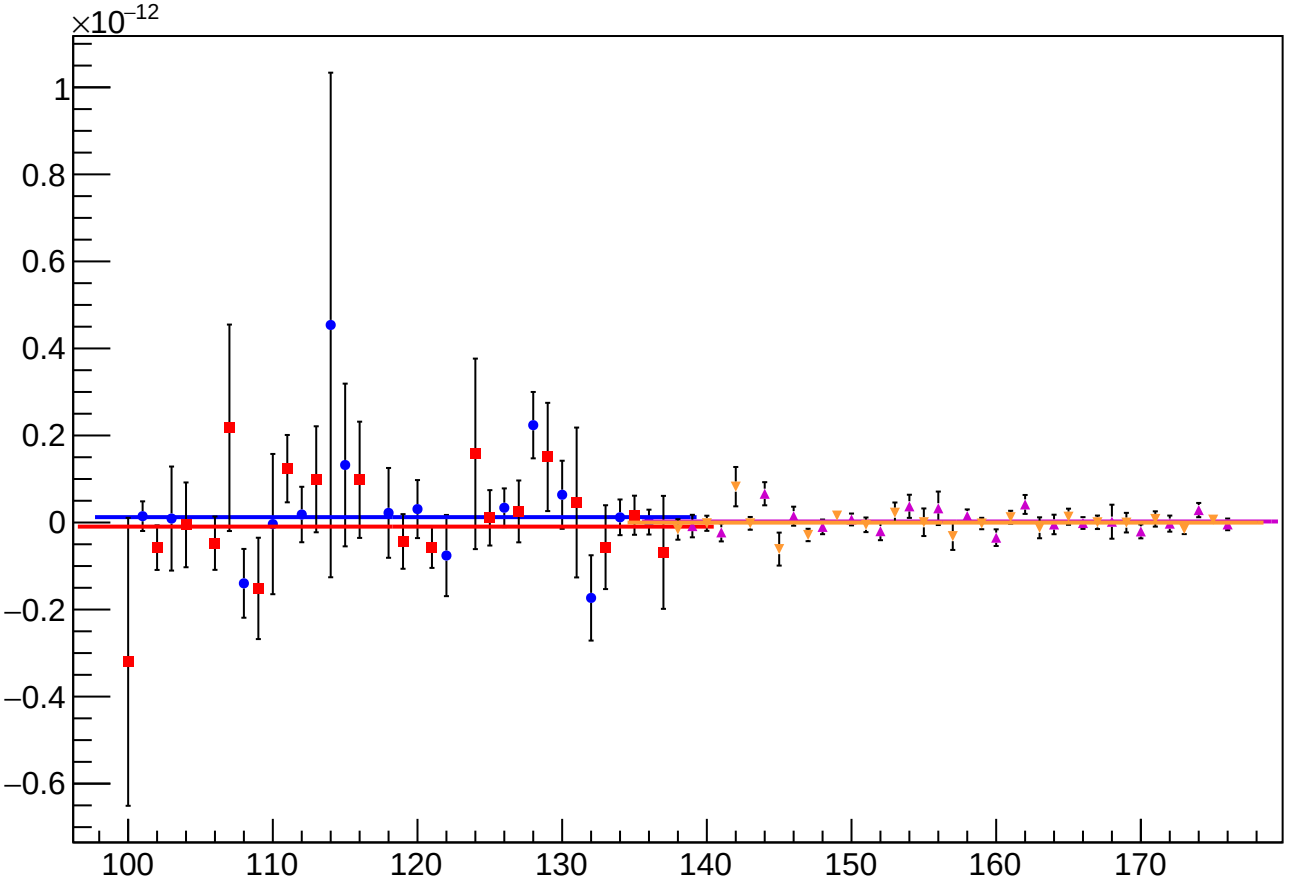
Left In: 1959.784+/-0.352 χ^2/NDF:82461.0/18

+ sign 2004.840+/-0.298 χ^2/NDF: 910867.6/35

All: 2010.341+/-0.212 χ^2/NDF: 1912206.3/73

- sign 2015.951+/-0.301 χ^2/NDF: 1000649.9/37

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:18.1/19

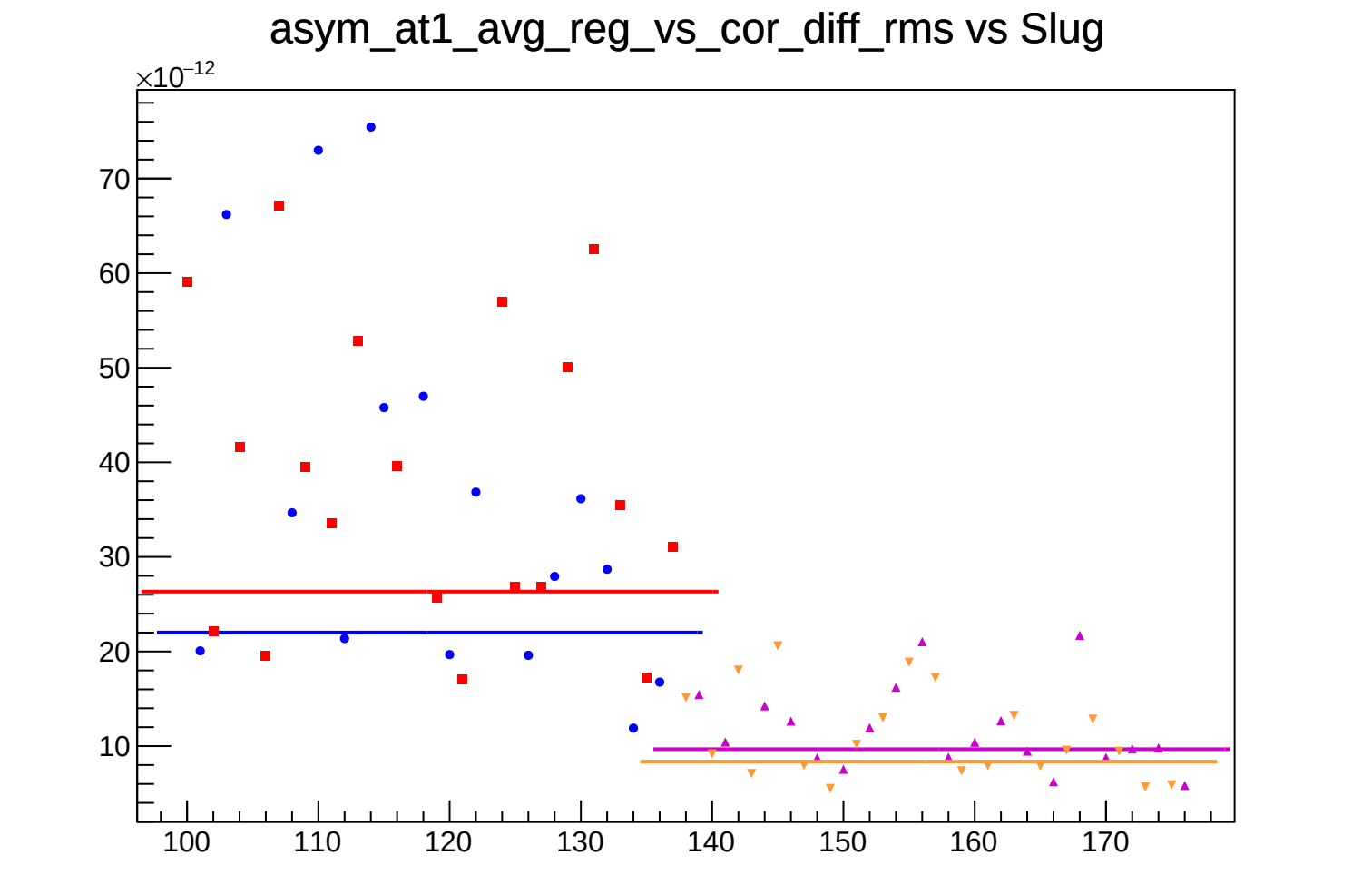
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:24.5/18

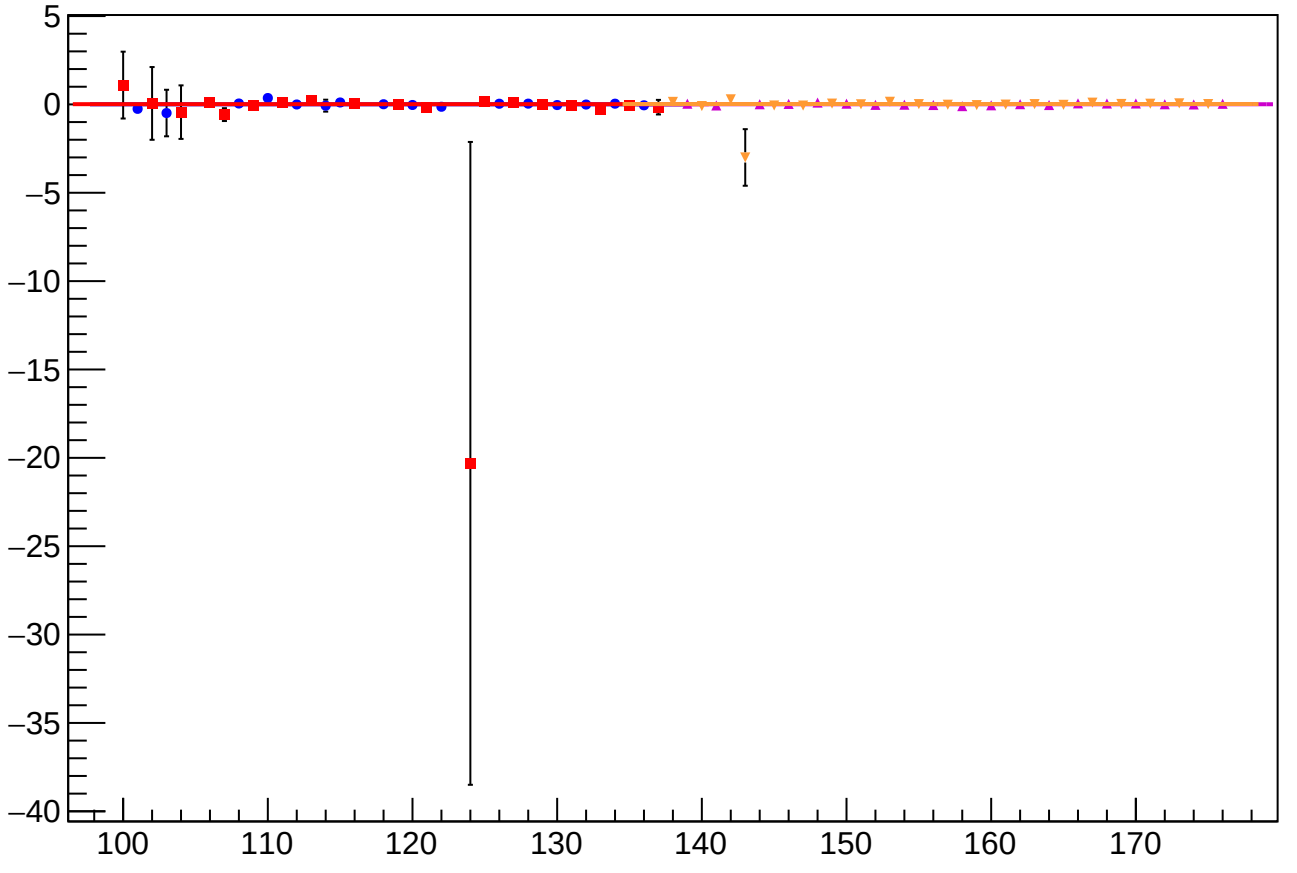
+ sign 0.000+/-0.000 χ^2/NDF: 36.6/35

All: 0.000+/-0.000 χ^2/NDF: 75.3/73

- sign 0.000+/-0.000 χ^2/NDF: 38.7/37


asym_at1_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1533775.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:1108895.7/18
+ sign 0.000+/-0.000 χ²/NDF: 4181589.7/35
All: 0.000+/-0.000 χ²/NDF: 7742728.4/73
- sign 0.000+/-0.000 χ²/NDF: 3428224.2/37

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

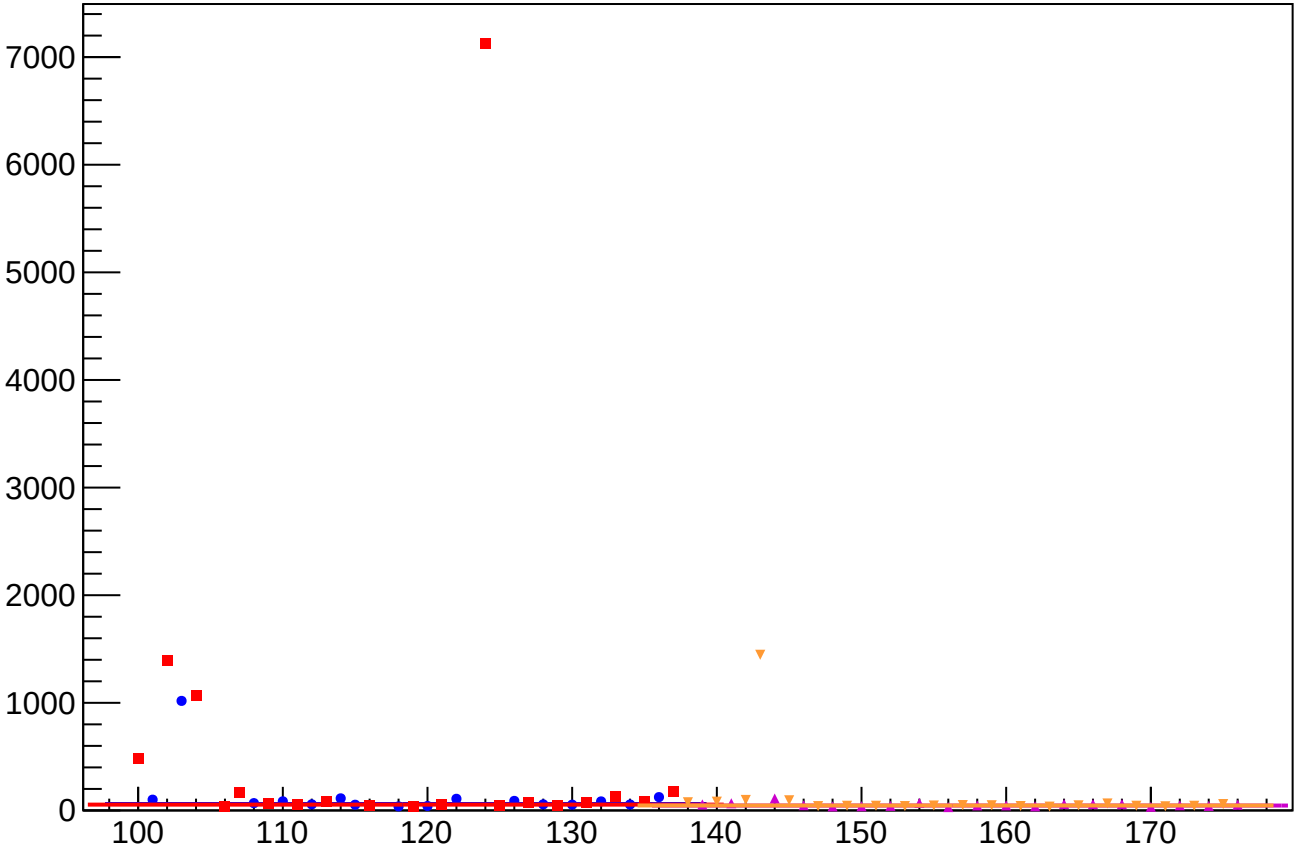
Left In: 0.008+/-0.013 χ^2/NDF:14.6/18

+ sign 0.017+/-0.012 χ^2/NDF: 36.7/35

All: 0.013+/-0.008 χ^2/NDF: 69.2/73

- sign 0.009+/-0.012 χ^2/NDF: 32.2/37

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.338+/-0.009 χ^2/NDF:3063993.2/19

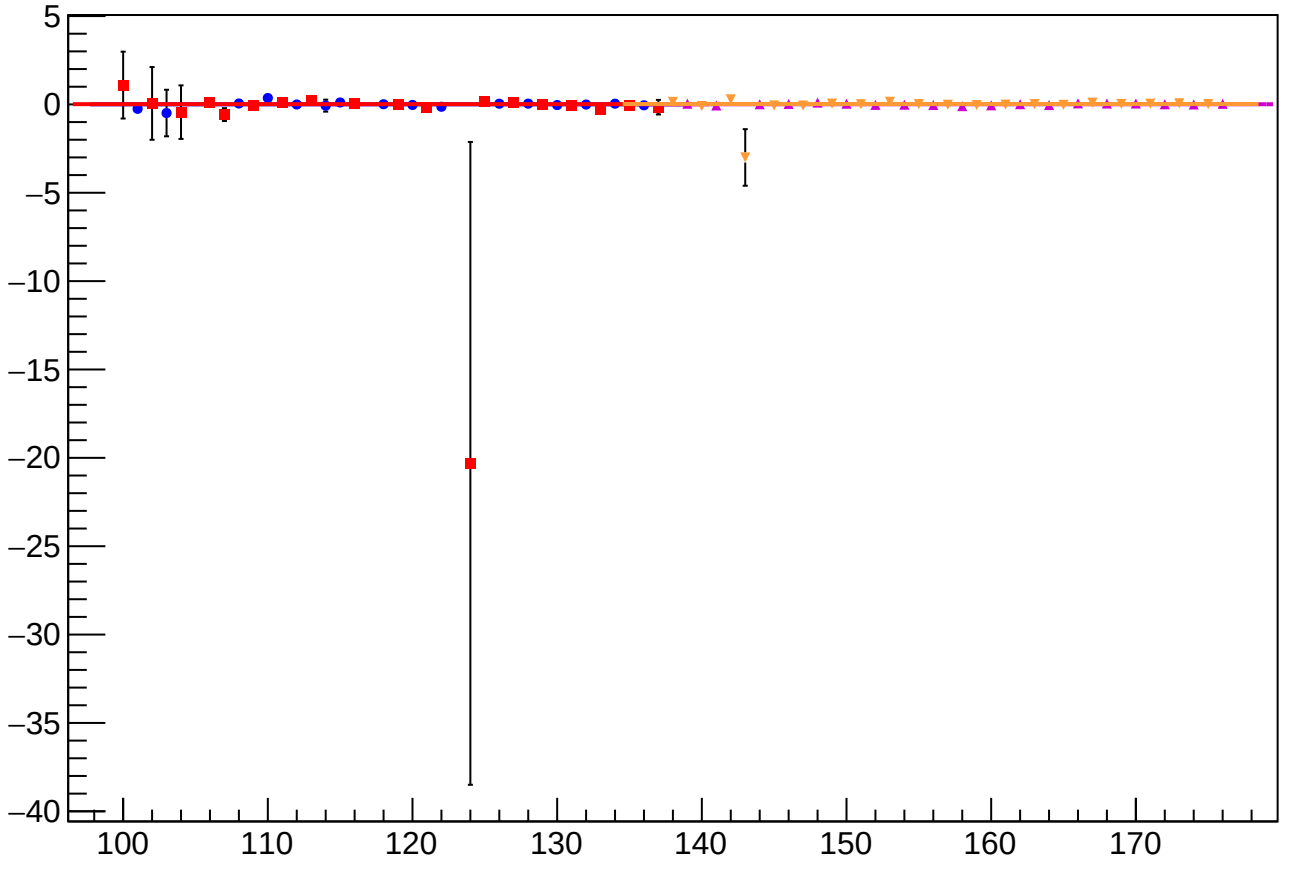
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.6/18

+ sign 49.039+/-0.008 χ^2/NDF: 6011416.1/35

All: 48.169+/-0.006 χ^2/NDF: 11448497.0/73

- sign 47.344+/-0.008 χ^2/NDF: 5416419.6/37



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

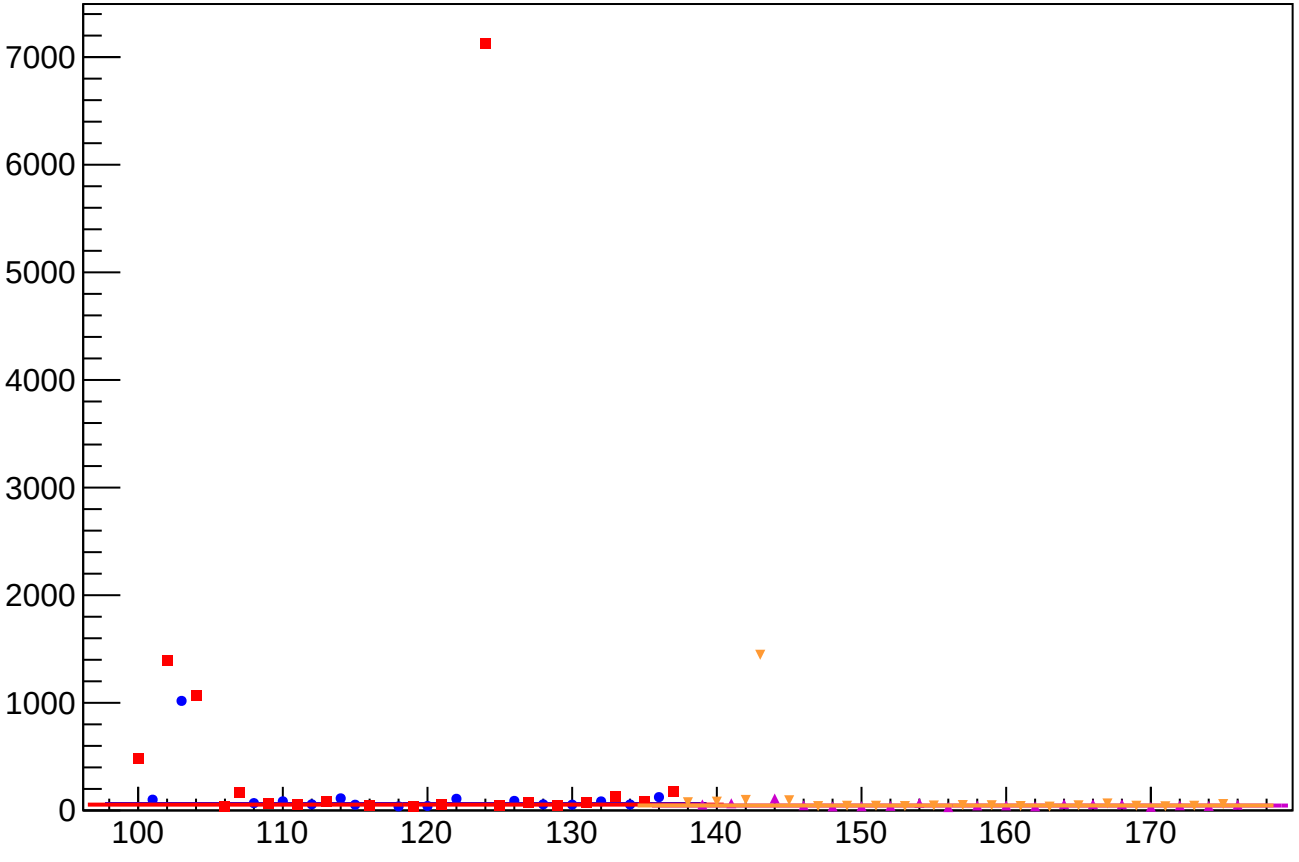
Left In: 0.008+/-0.013 χ^2/NDF:14.6/18

+ sign 0.017+/-0.012 χ^2/NDF: 36.7/35

All: 0.013+/-0.008 χ^2/NDF: 69.2/73

- sign 0.009+/-0.012 χ^2/NDF: 32.2/37

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.338+/-0.009 χ^2/NDF:3063993.2/19

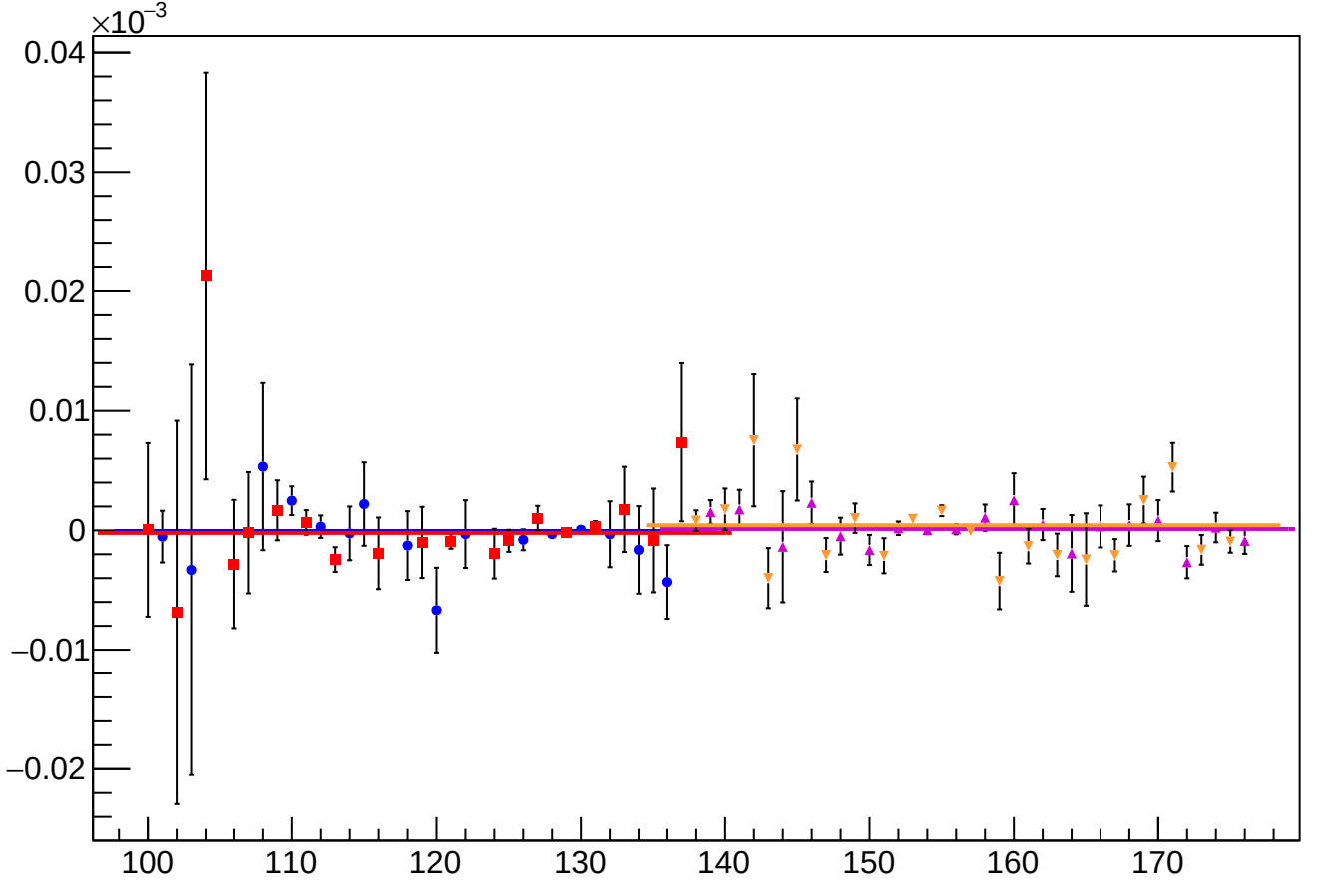
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.6/18

\+ sign 49.039+/-0.008 χ^2/NDF: 6011416.1/35

All: 48.169+/-0.006 χ^2/NDF: 11448497.0/73

\- sign 47.344+/-0.008 χ^2/NDF: 5416419.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

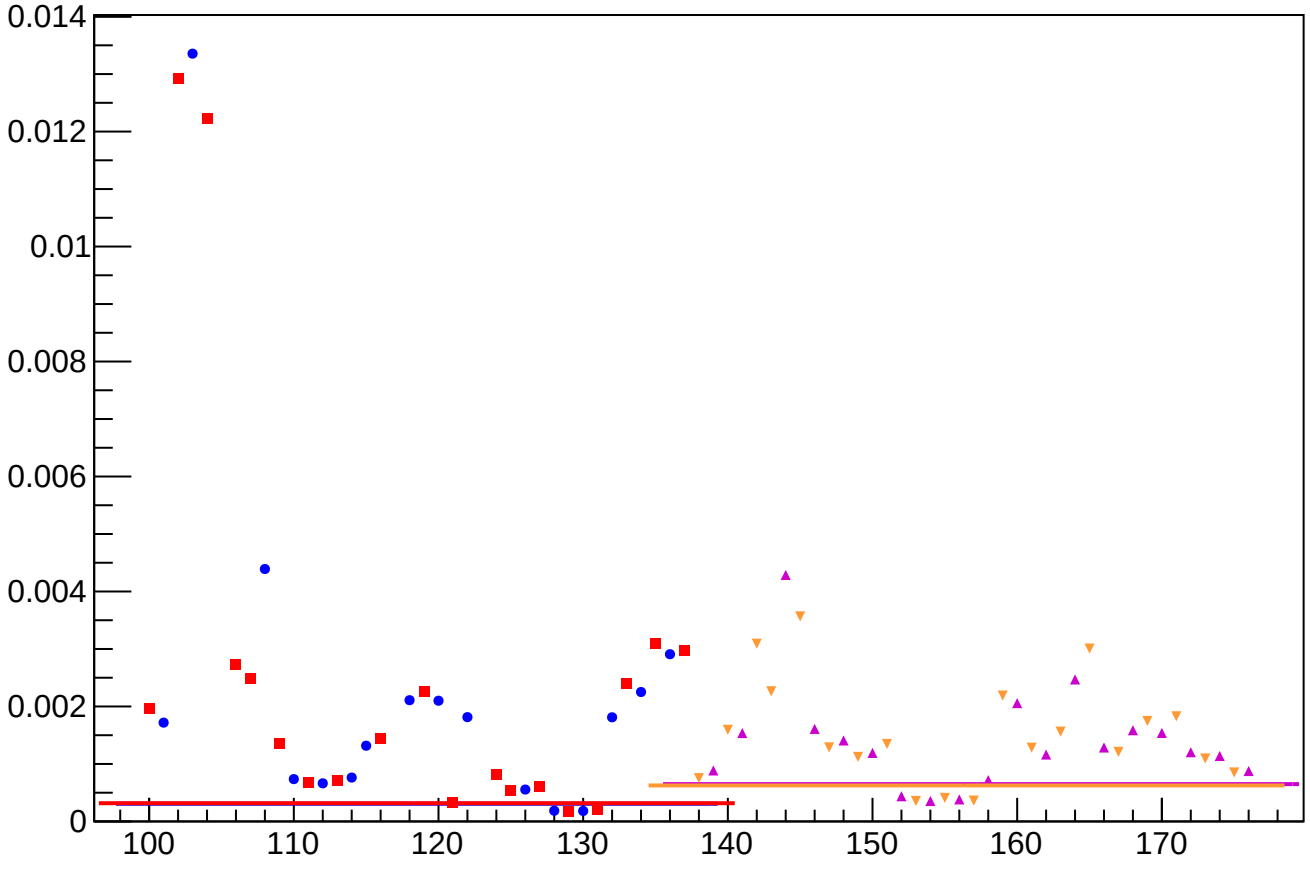
Left In: 0.000+/-0.000 χ^2/NDF:14.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 63.5/35

All: 0.000+/-0.000 χ^2/NDF: 96.5/73

- sign -0.000+/-0.000 χ^2/NDF: 31.5/37

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:11115223.2/19

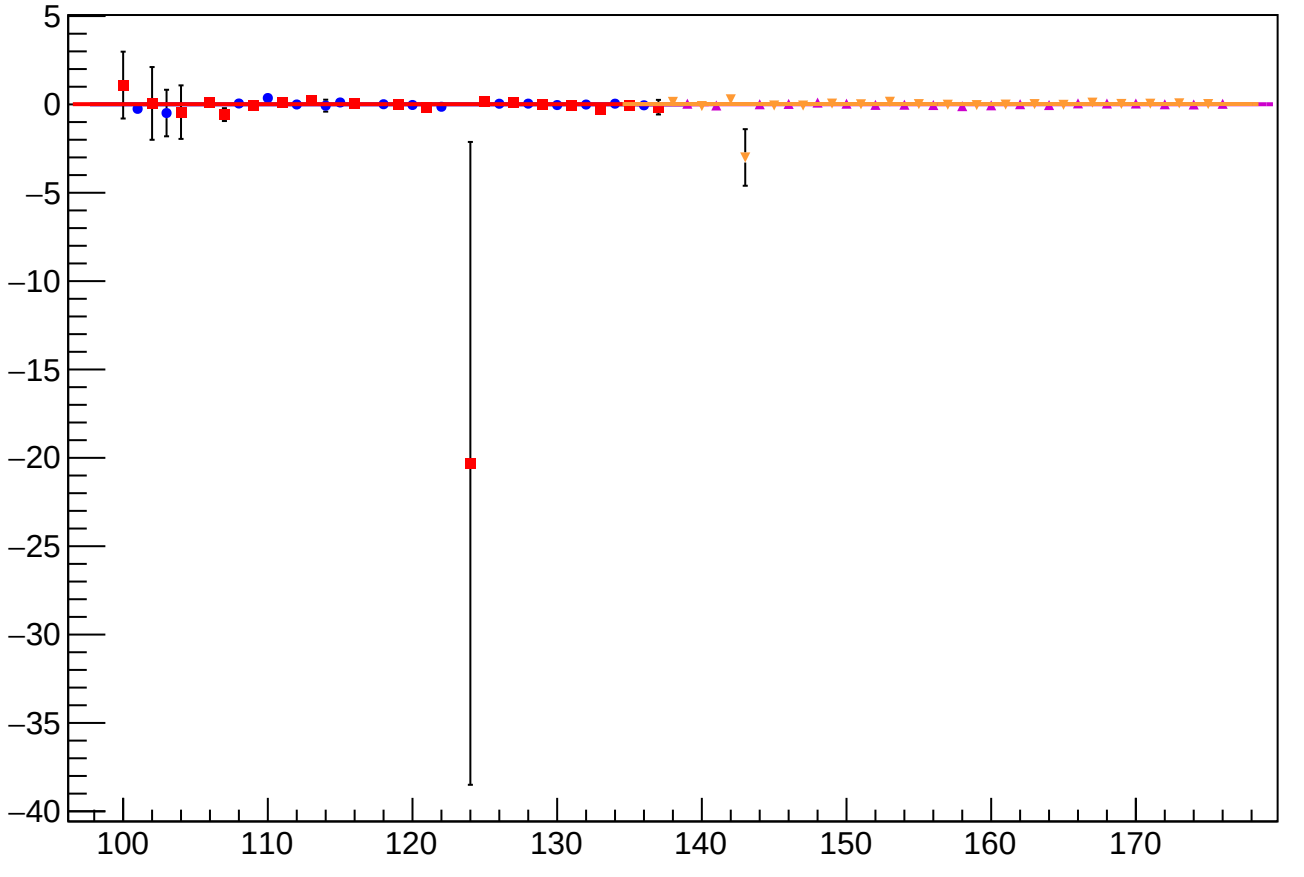
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9484300.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 22490650.9/35

All: 0.000+/-0.000 χ^2/NDF: 42738633.3/73

- sign 0.000+/-0.000 χ^2/NDF: 20244615.7/37



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

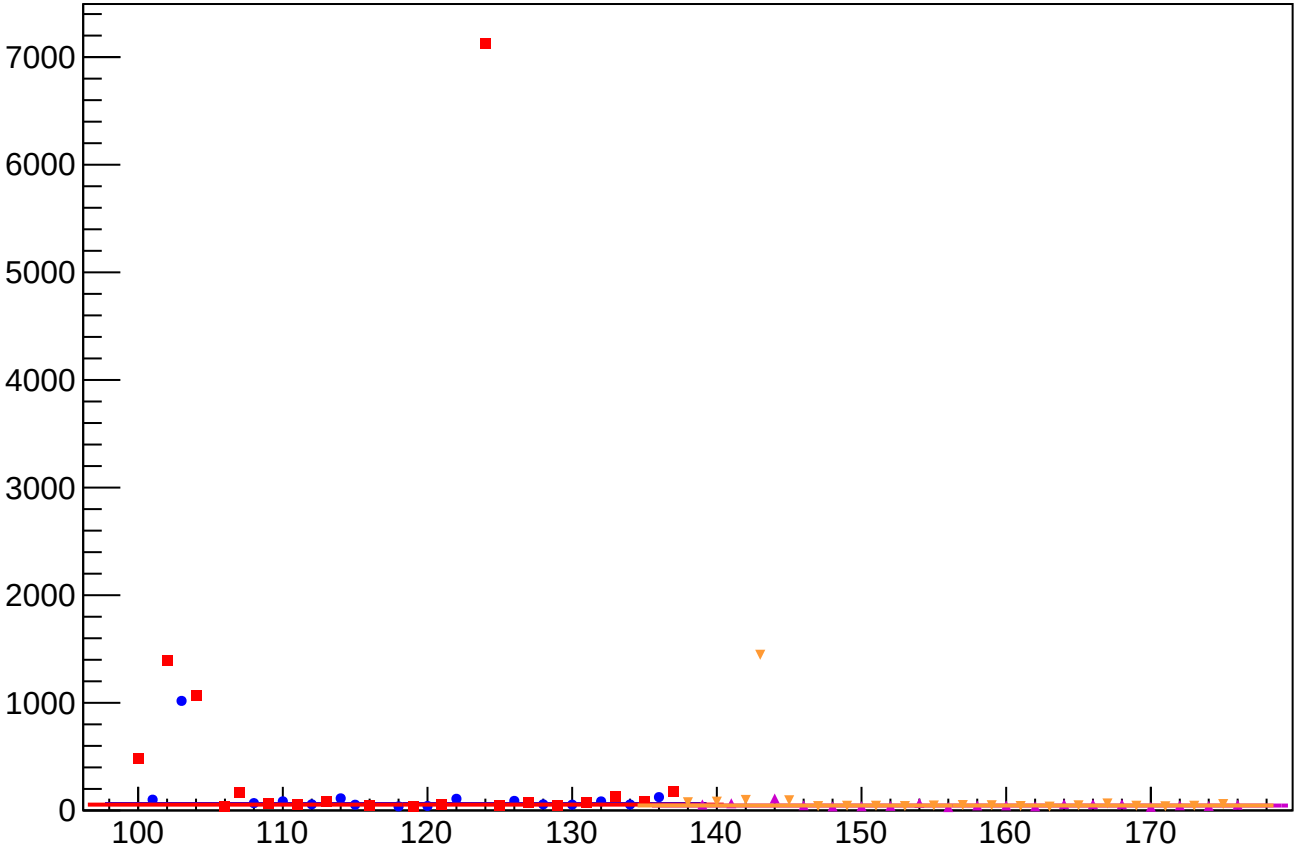
Left In: 0.008+/-0.013 χ^2/NDF:14.6/18

+ sign 0.017+/-0.012 χ^2/NDF: 36.7/35

All: 0.013+/-0.008 χ^2/NDF: 69.2/73

- sign 0.009+/-0.012 χ^2/NDF: 32.2/37

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.339+/-0.009 χ^2/NDF:3063972.6/19

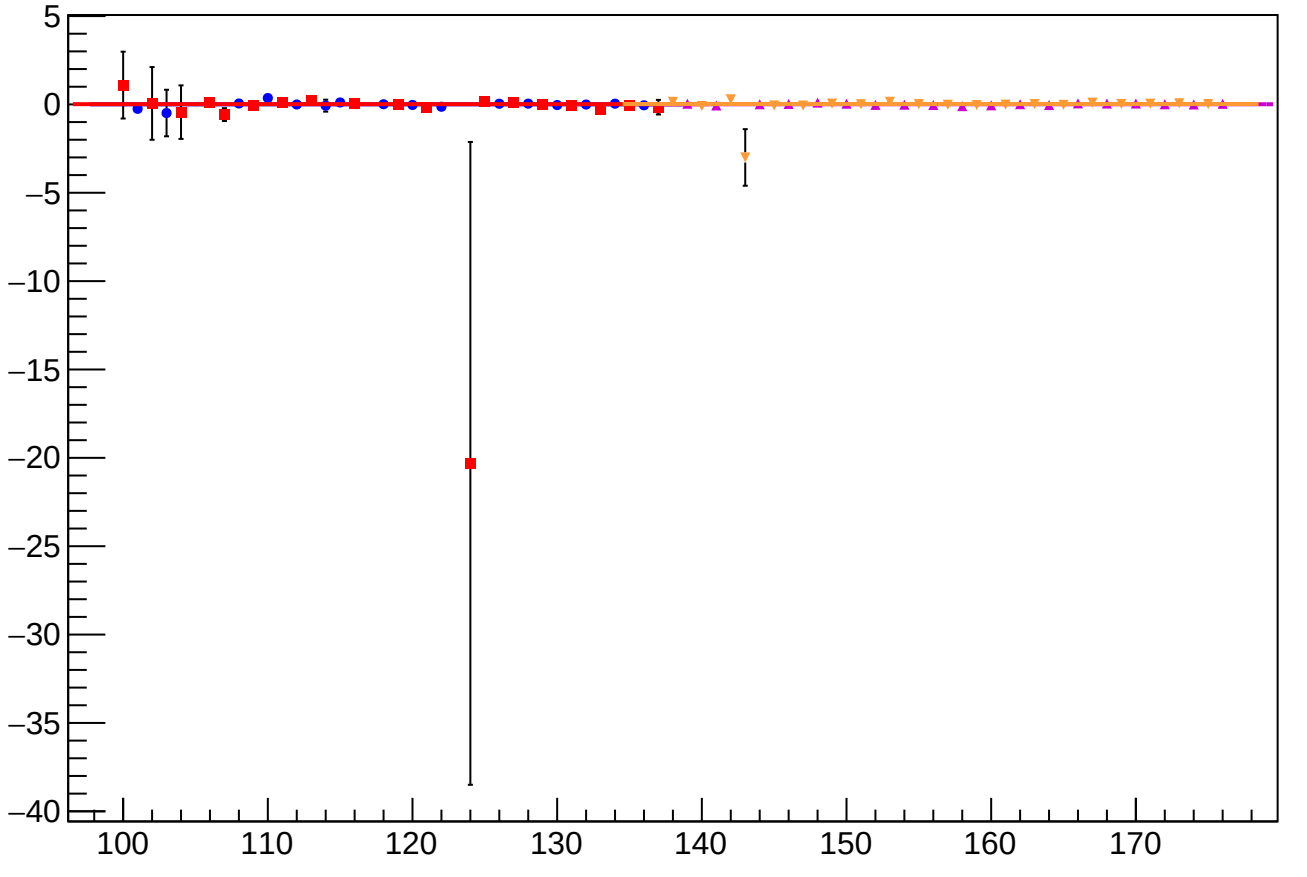
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.1/18

\+ sign 49.039+/-0.008 χ^2/NDF: 6011384.7/35

All: 48.169+/-0.006 χ^2/NDF: 11448494.0/73

\- sign 47.344+/-0.008 χ^2/NDF: 5416439.6/37



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.013 χ^2/NDF:25.0/19

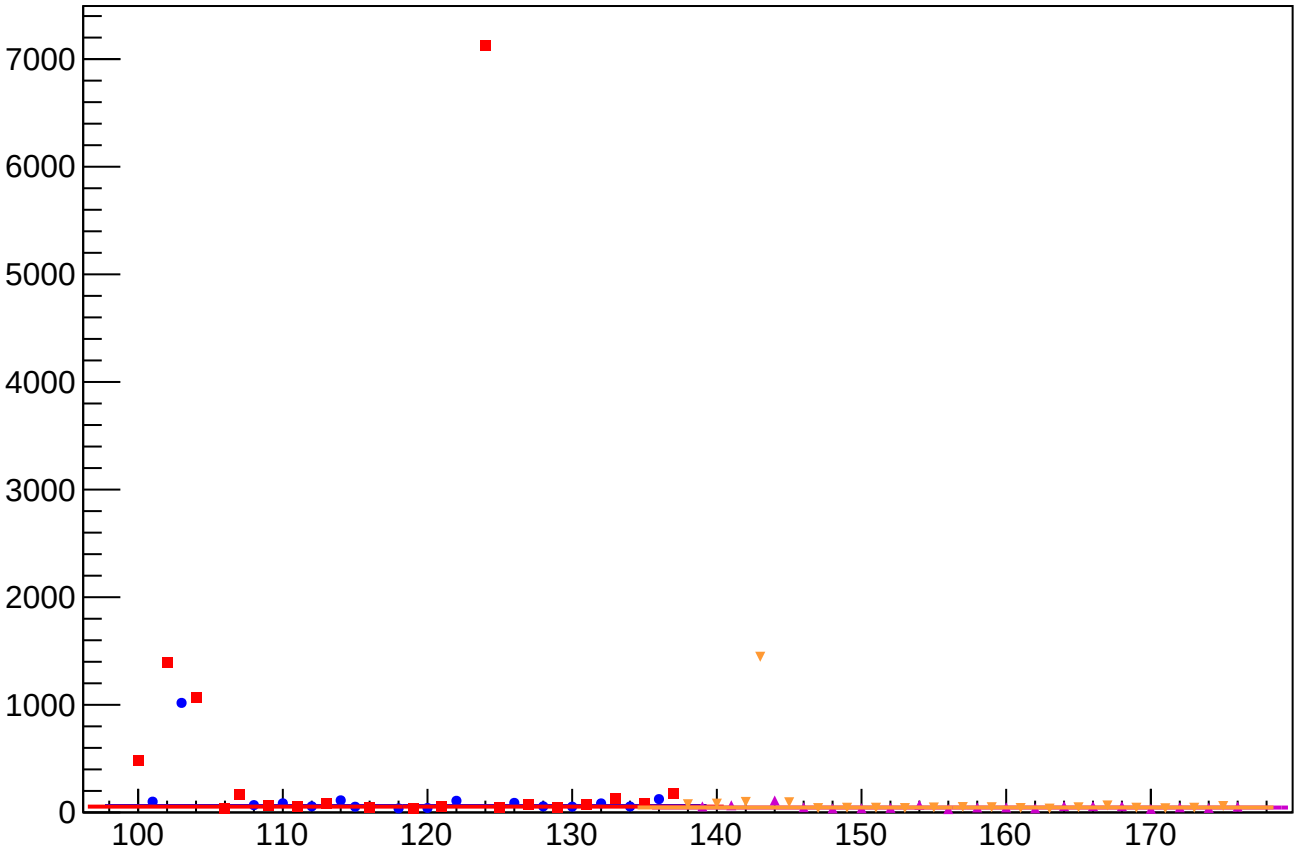
Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.008+/-0.013 χ^2/NDF:14.6/18

+ sign 0.017+/-0.012 χ^2/NDF: 36.7/35

All: 0.013+/-0.008 χ^2/NDF: 69.2/73

- sign 0.009+/-0.012 χ^2/NDF: 32.2/37



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.339+/-0.009 χ^2/NDF:3063972.6/19

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

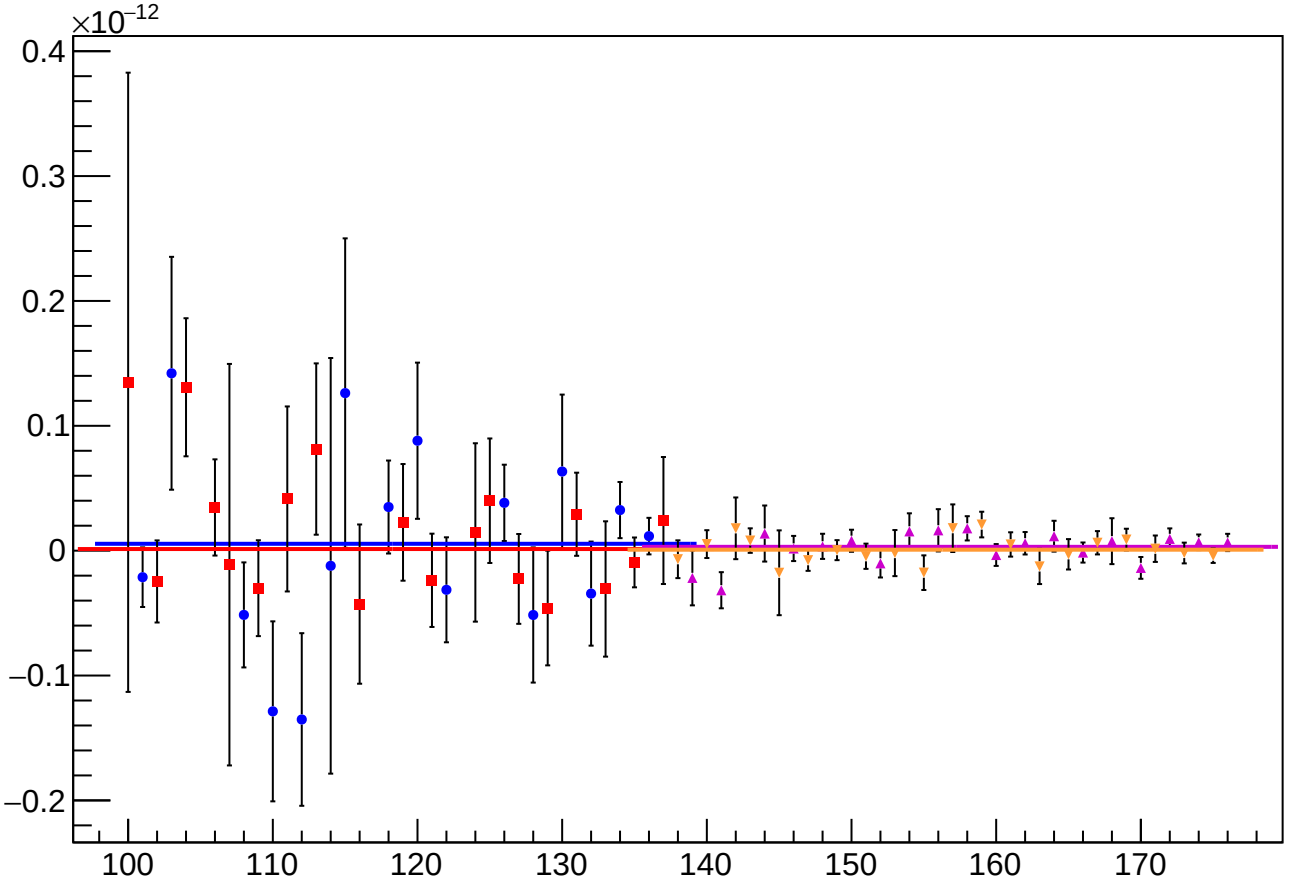
Left In: 45.585+/-0.009 χ^2/NDF:1715259.1/18

+ sign 49.039+/-0.008 χ^2/NDF: 6011384.7/35

All: 48.169+/-0.006 χ^2/NDF: 11448494.0/73

- sign 47.344+/-0.008 χ^2/NDF: 5416439.6/37

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/19

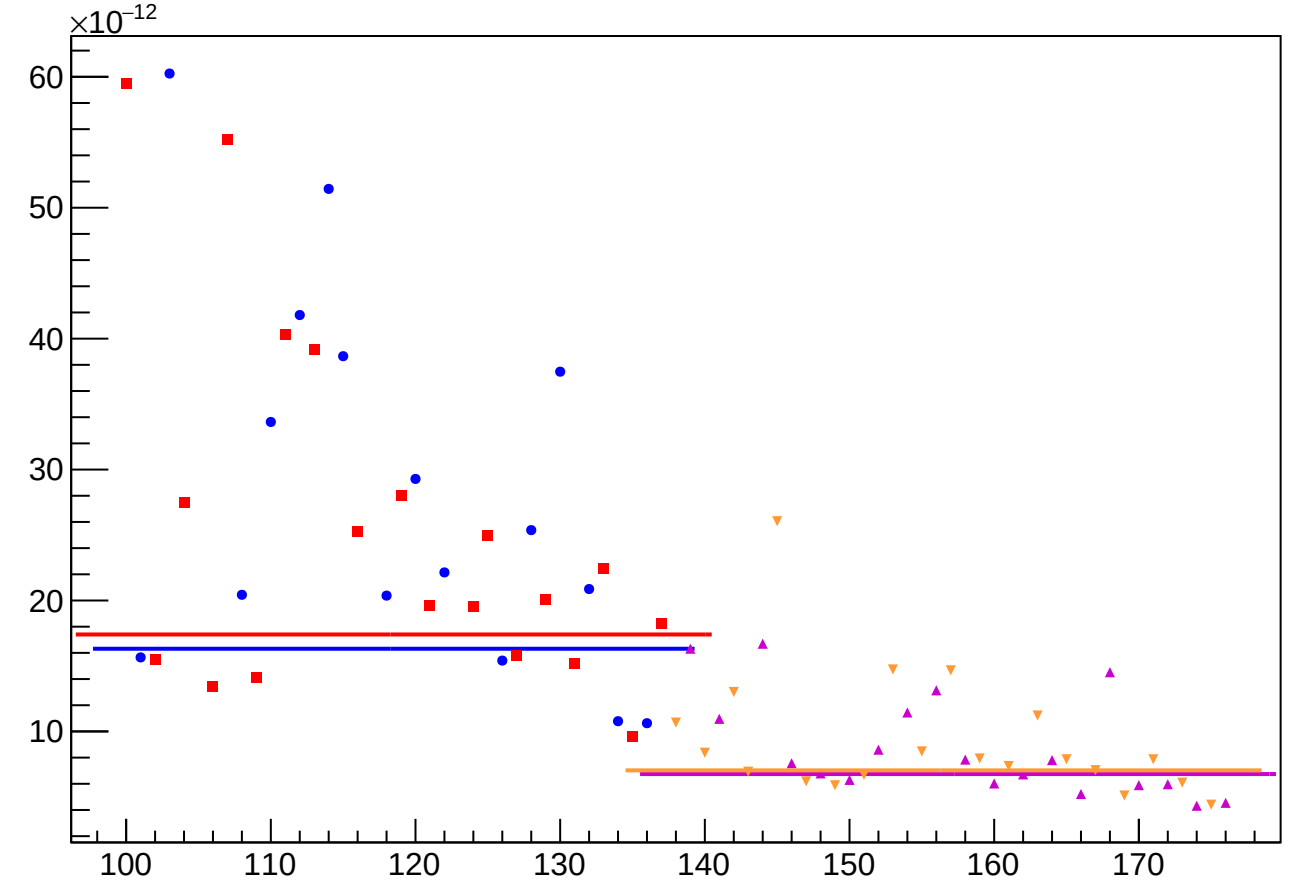
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:19.1/18

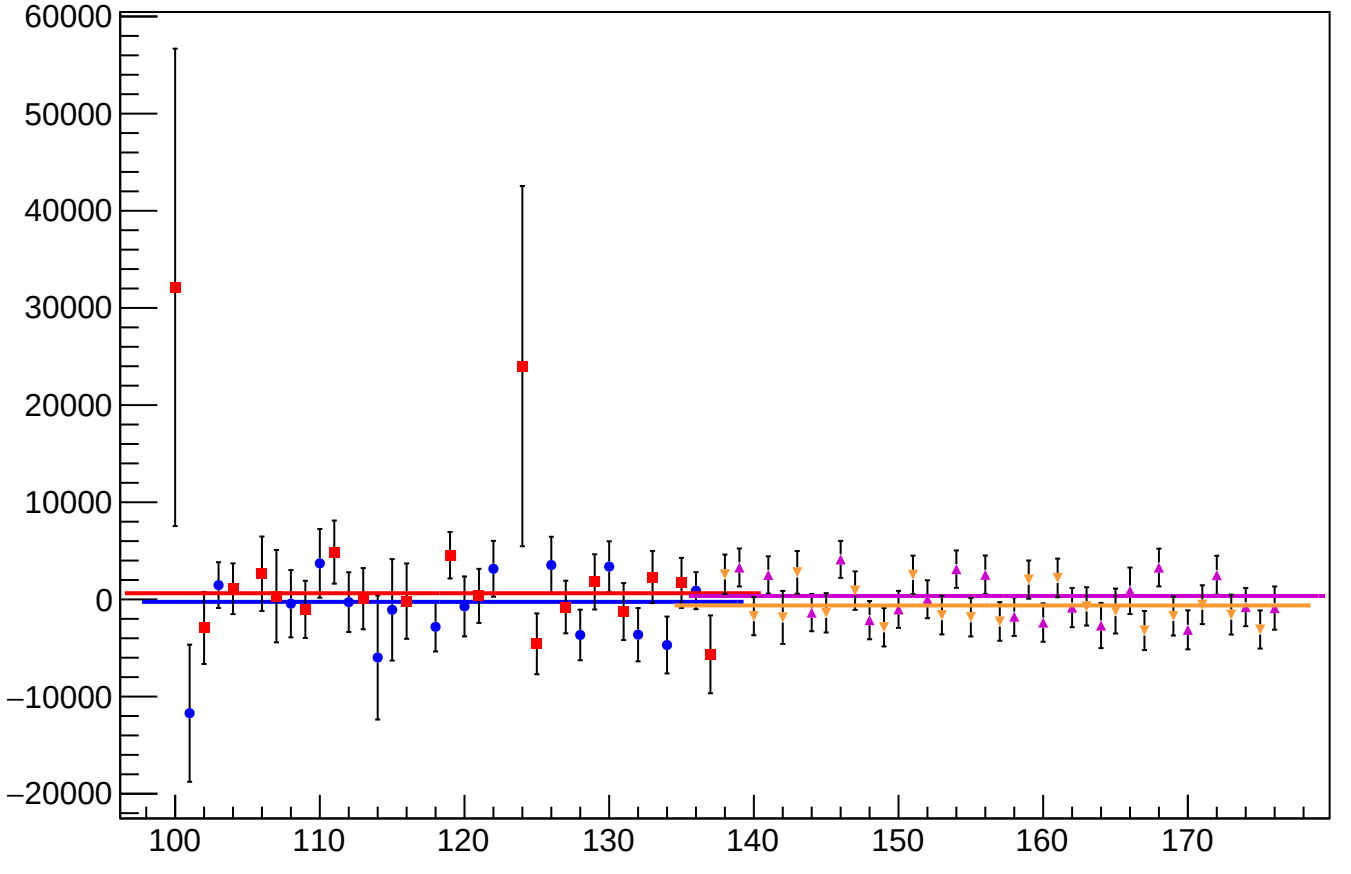
+ sign 0.000+/-0.000 χ^2/NDF: 35.5/35

All: 0.000+/-0.000 χ^2/NDF: 69.3/73

- sign 0.000+/-0.000 χ^2/NDF: 33.4/37


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
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2395307.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:2533756.6/18
+ sign 0.000+/-0.000 χ²/NDF: 6443207.4/35
All: 0.000+/-0.000 χ²/NDF: 12454880.7/73
- sign 0.000+/-0.000 χ²/NDF: 5986077.6/37

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -621.358+/-455.874 χ^2/NDF:18.9/19

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

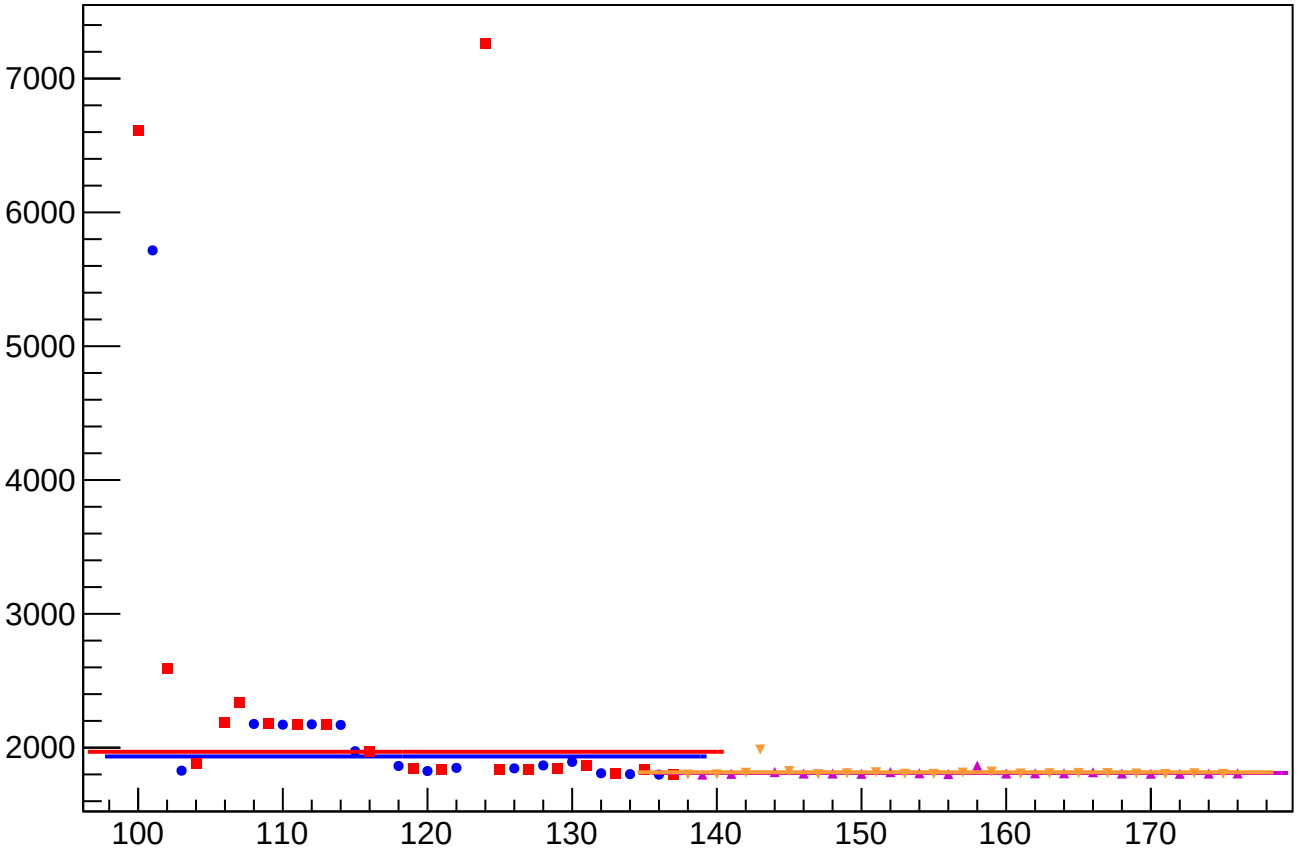
Left In: 355.556+/-459.316 χ^2/NDF:25.9/18

+ sign -518.571+/-387.424 χ^2/NDF: 36.4/35

All: -44.801+/-274.711 χ^2/NDF: 81.3/73

- sign 434.268+/-389.584 χ^2/NDF: 41.9/37

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1816.141+/-0.322 χ^2/NDF:12849.1/19

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

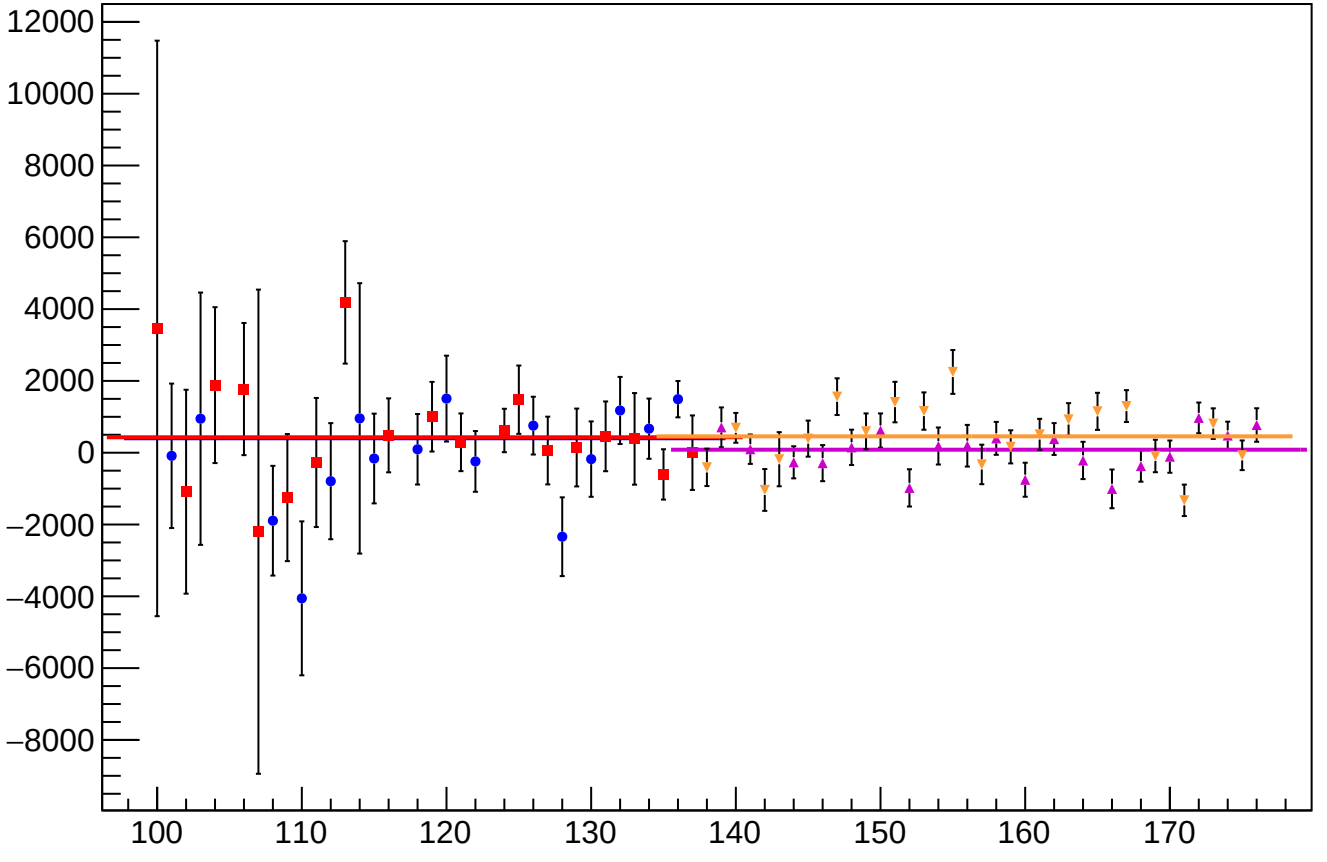
Left In: 1810.755+/-0.325 χ^2/NDF:1805.2/18

+ sign 1848.938+/-0.274 χ^2/NDF: 690036.2/35

All: 1852.058+/-0.194 χ^2/NDF: 1137261.8/73

- sign 1855.214+/-0.275 χ^2/NDF: 446964.7/37

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 456.129+/-109.156 χ^2/NDF:57.7/19

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

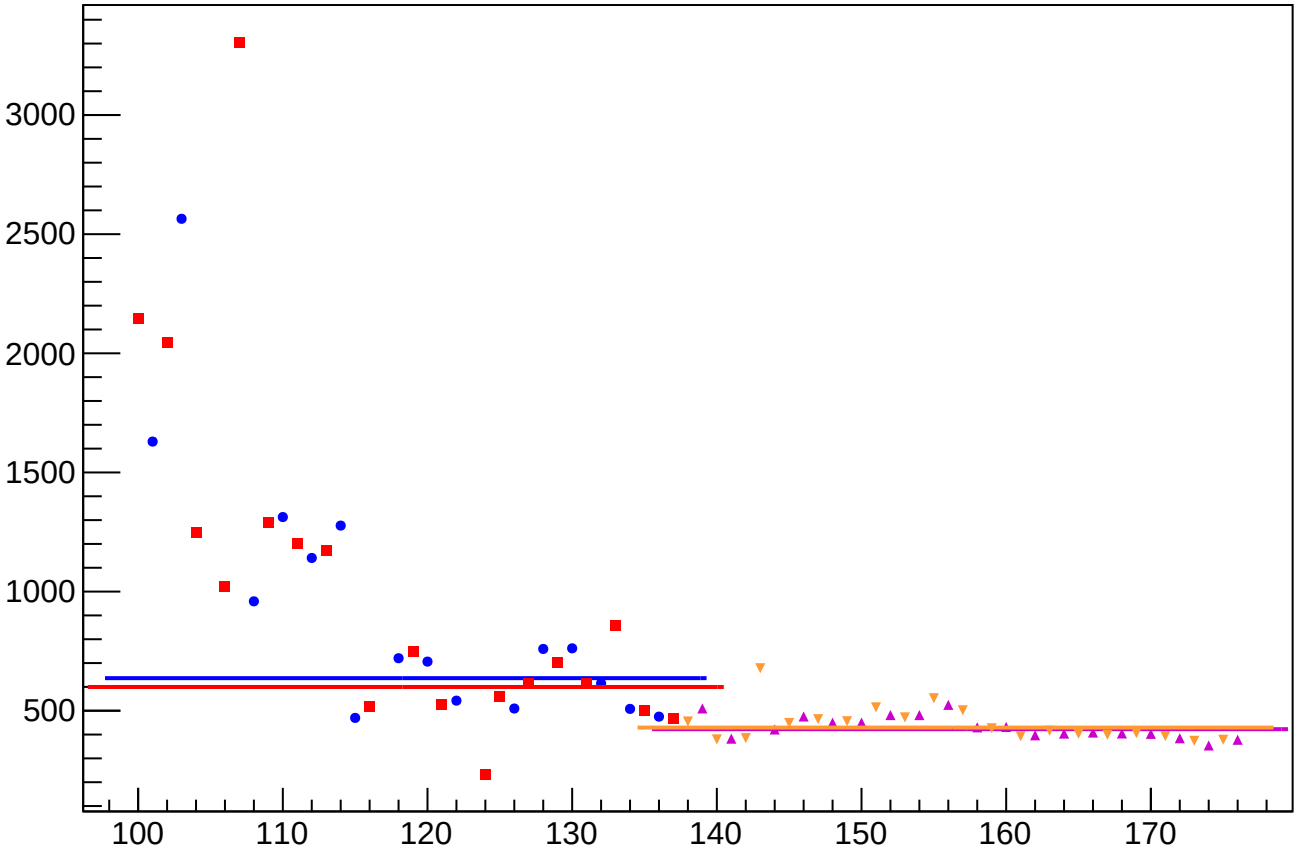
Left In: 83.734+/-108.106 χ^2/NDF:25.2/18

+ sign 448.036+/-100.563 χ^2/NDF: 78.9/35

All: 290.846+/-70.694 χ^2/NDF: 122.3/73

- sign 137.269+/-99.400 χ^2/NDF: 38.6/37

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 429.292+/-0.077 χ^2/NDF:568546.3/19

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

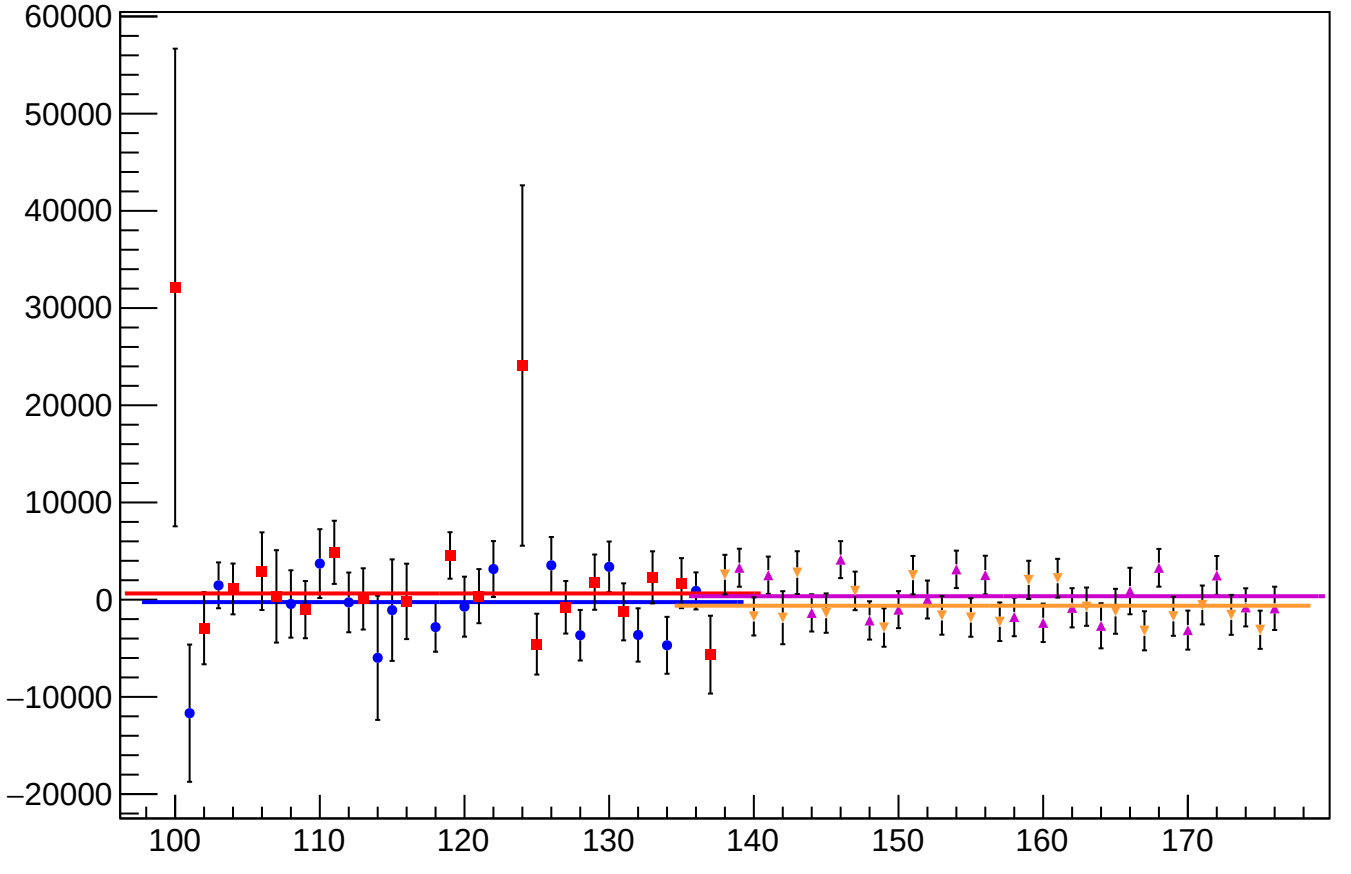
Left In: 422.580+/-0.076 χ^2/NDF:333496.0/18

+ sign 460.663+/-0.071 χ^2/NDF: 3727604.8/35

All: 455.243+/-0.050 χ^2/NDF: 7845906.0/73

- sign 449.948+/-0.070 χ^2/NDF: 4106815.3/37

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -621.383+/-455.874 χ^2/NDF:18.9/19

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

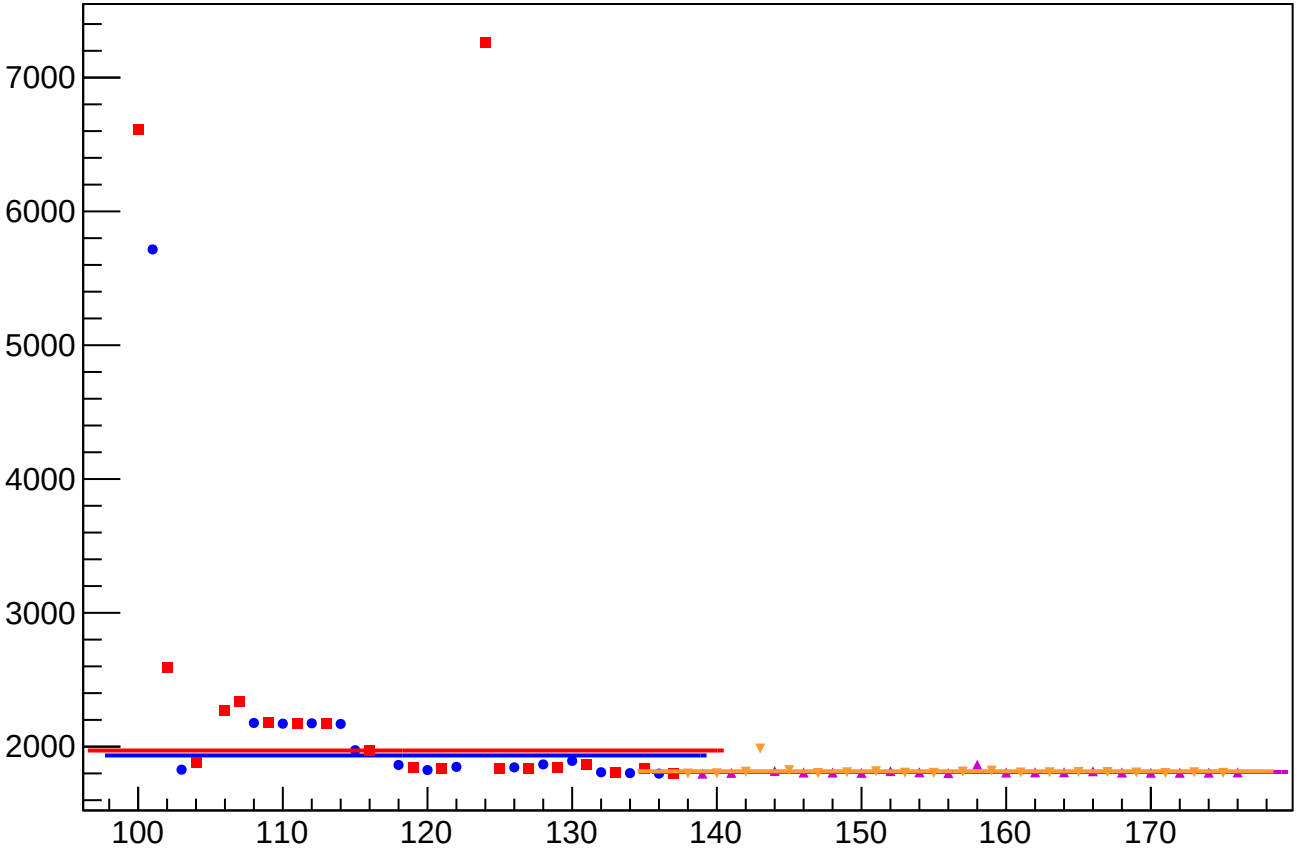
Left In: 355.551+/-459.316 χ^2/NDF:25.9/18

\+ sign -518.364+/-387.424 χ^2/NDF: 36.3/35

All: -44.309+/-274.766 χ^2/NDF: 81.3/73

\- sign 435.438+/-389.743 χ^2/NDF: 42.0/37

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1816.141+/-0.322 χ^2/NDF:12849.1/19

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

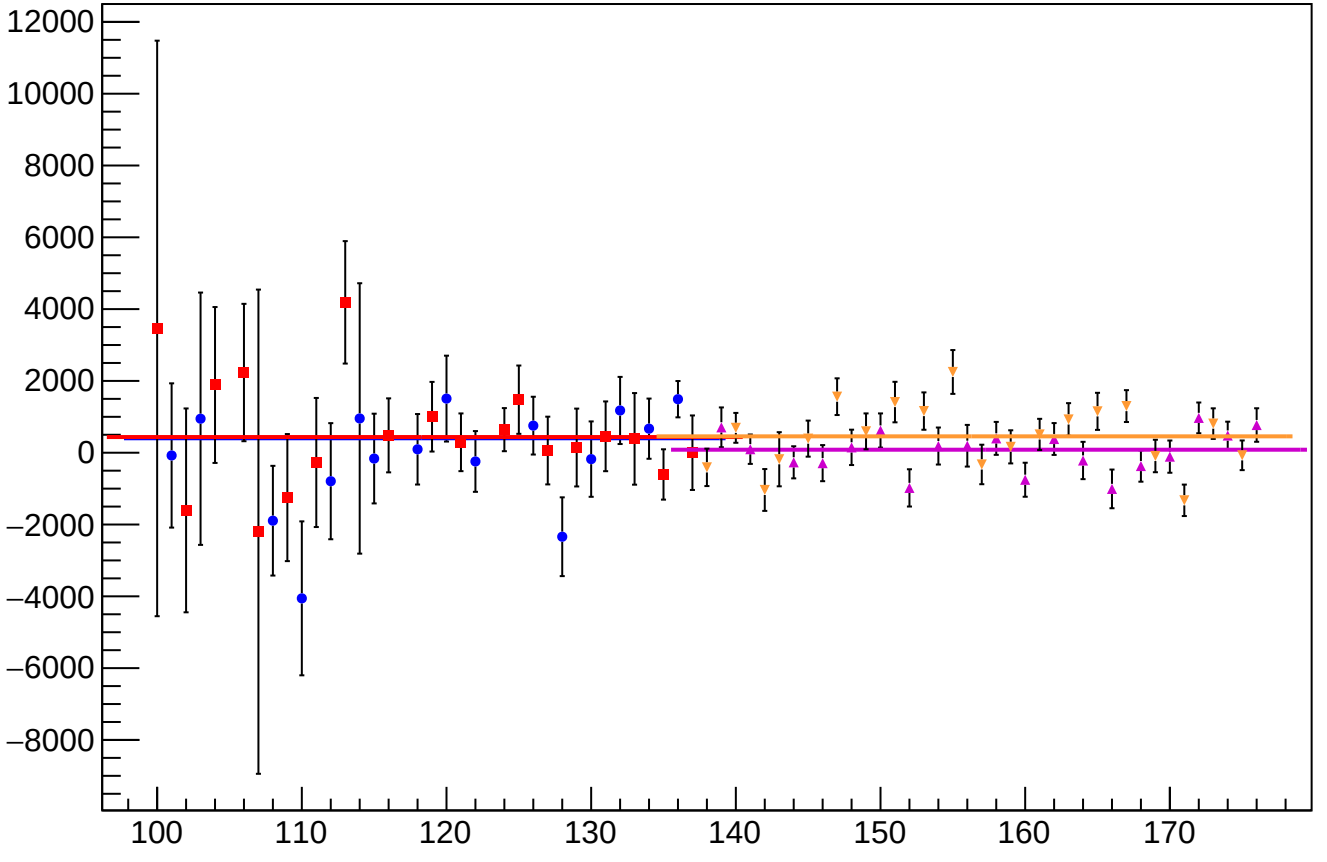
Left In: 1810.755+/-0.325 χ^2/NDF:1805.2/18

+ sign 1848.938+/-0.274 χ^2/NDF: 690036.1/35

All: 1852.310+/-0.194 χ^2/NDF: 1143786.7/73

- sign 1855.723+/-0.276 χ^2/NDF: 453445.7/37

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 456.118+/-109.156 χ^2/NDF:57.7/19

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

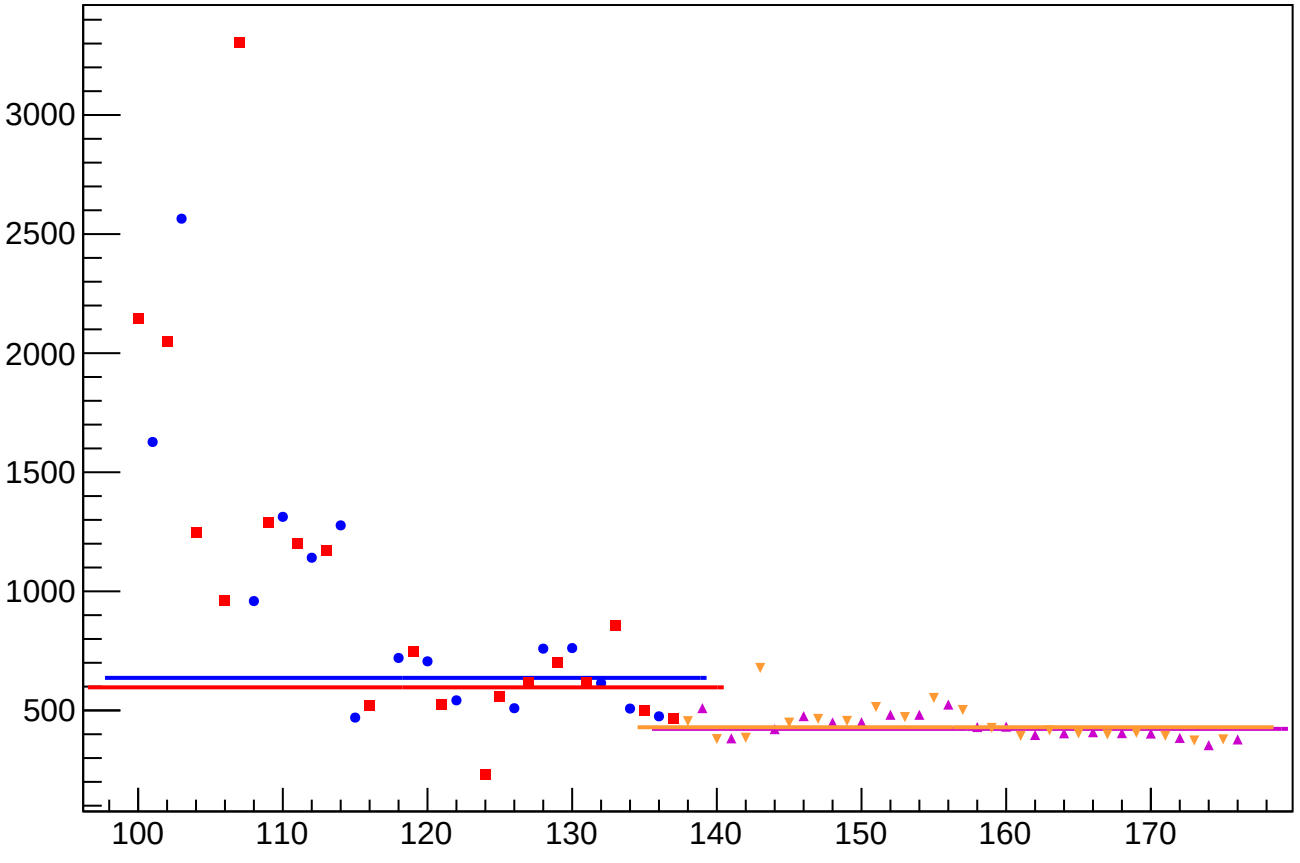
Left In: 83.711+/-108.105 χ^2/NDF:25.2/18

+ sign 448.038+/-100.562 χ^2/NDF: 78.9/35

All: 291.368+/-70.690 χ^2/NDF: 122.9/73

- sign 138.327+/-99.390 χ^2/NDF: 39.3/37

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 429.289+/-0.077 χ^2/NDF:568575.3/19

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

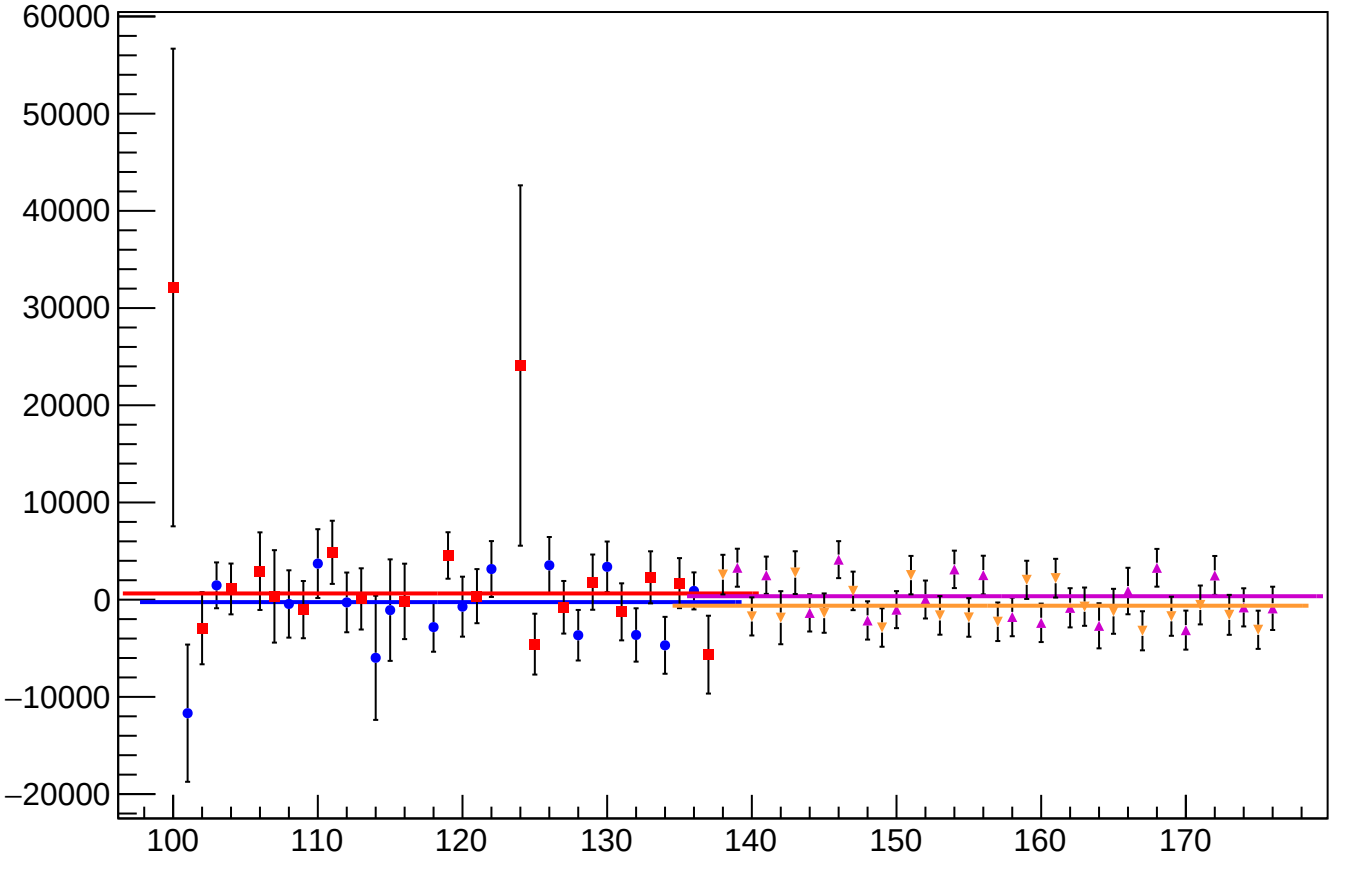
Left In: 422.574+/-0.076 χ^2/NDF:333542.0/18

+ sign 460.662+/-0.071 χ^2/NDF: 3726855.0/35

All: 455.037+/-0.050 χ^2/NDF: 7807560.4/73

- sign 449.542+/-0.070 χ^2/NDF: 4068333.4/37

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -621.383+/-455.874 χ^2/NDF:18.9/19

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

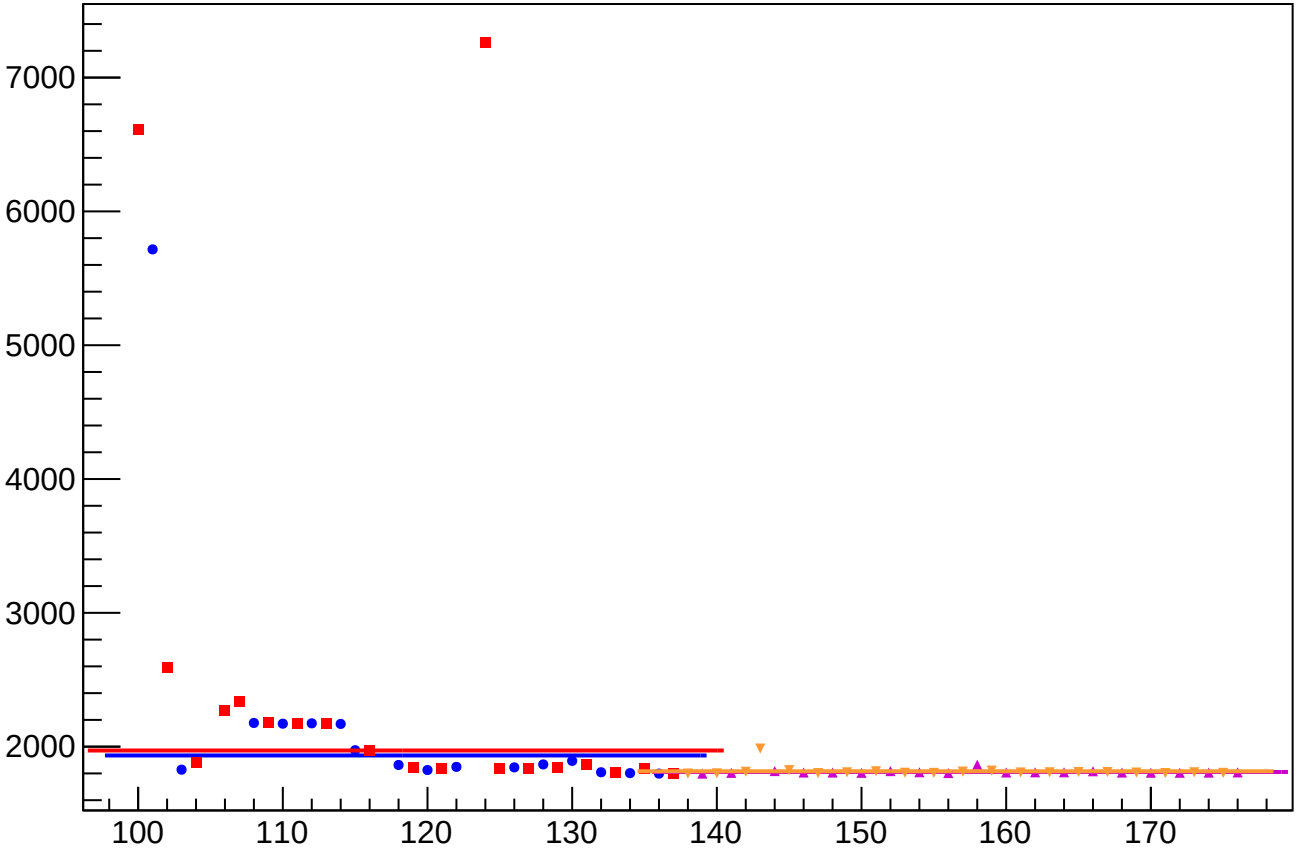
Left In: 355.551+/-459.316 χ^2/NDF:25.9/18

+ sign -518.364+/-387.424 χ^2/NDF: 36.3/35

All: -44.309+/-274.766 χ^2/NDF: 81.3/73

- sign 435.438+/-389.743 χ^2/NDF: 42.0/37

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1816.141+/-0.322 χ^2/NDF:12849.1/19

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

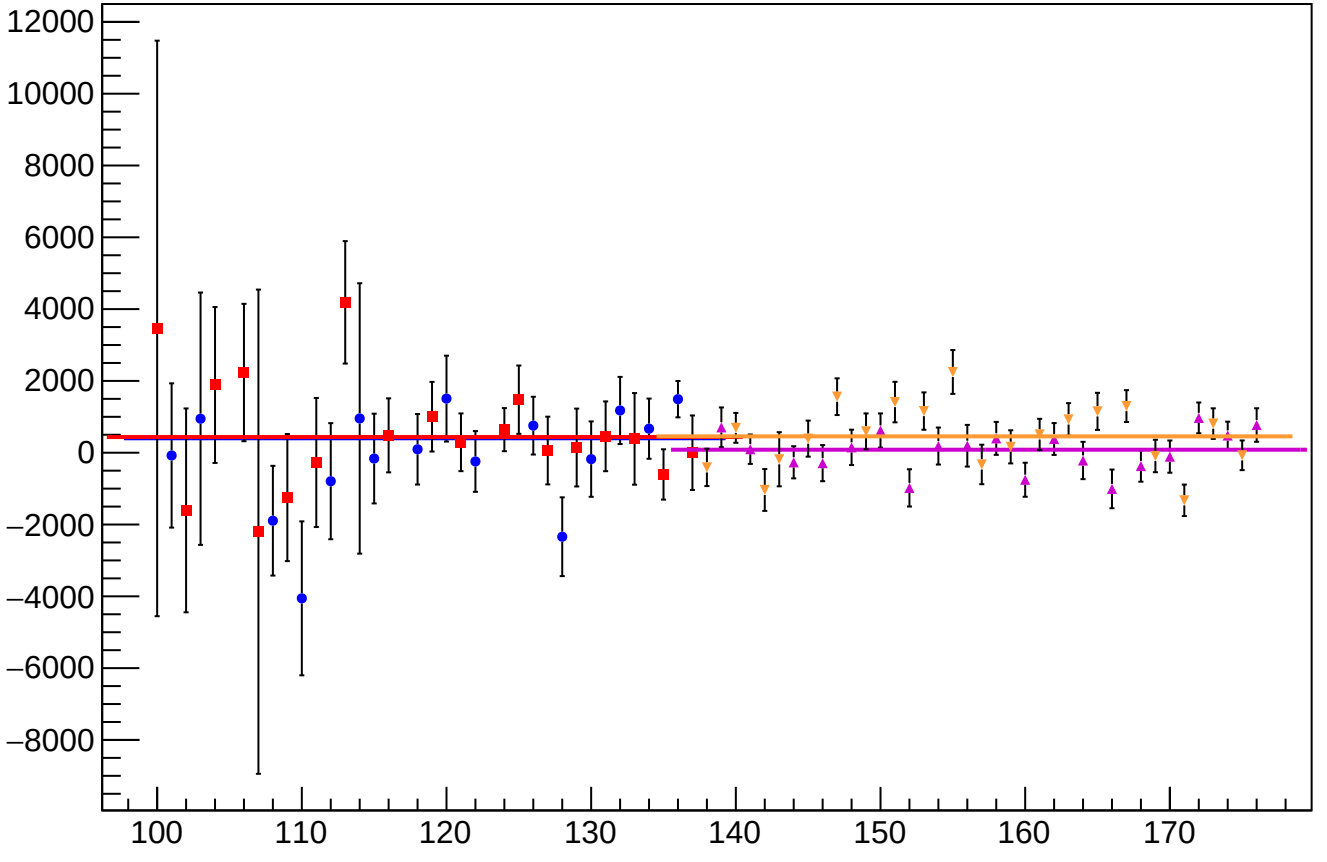
Left In: 1810.755+/-0.325 χ^2/NDF:1805.2/18

+ sign 1848.938+/-0.274 χ^2/NDF: 690036.1/35

All: 1852.310+/-0.194 χ^2/NDF: 1143786.7/73

- sign 1855.723+/-0.276 χ^2/NDF: 453445.7/37

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 456.118+/-109.156 χ^2/NDF:57.7/19

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

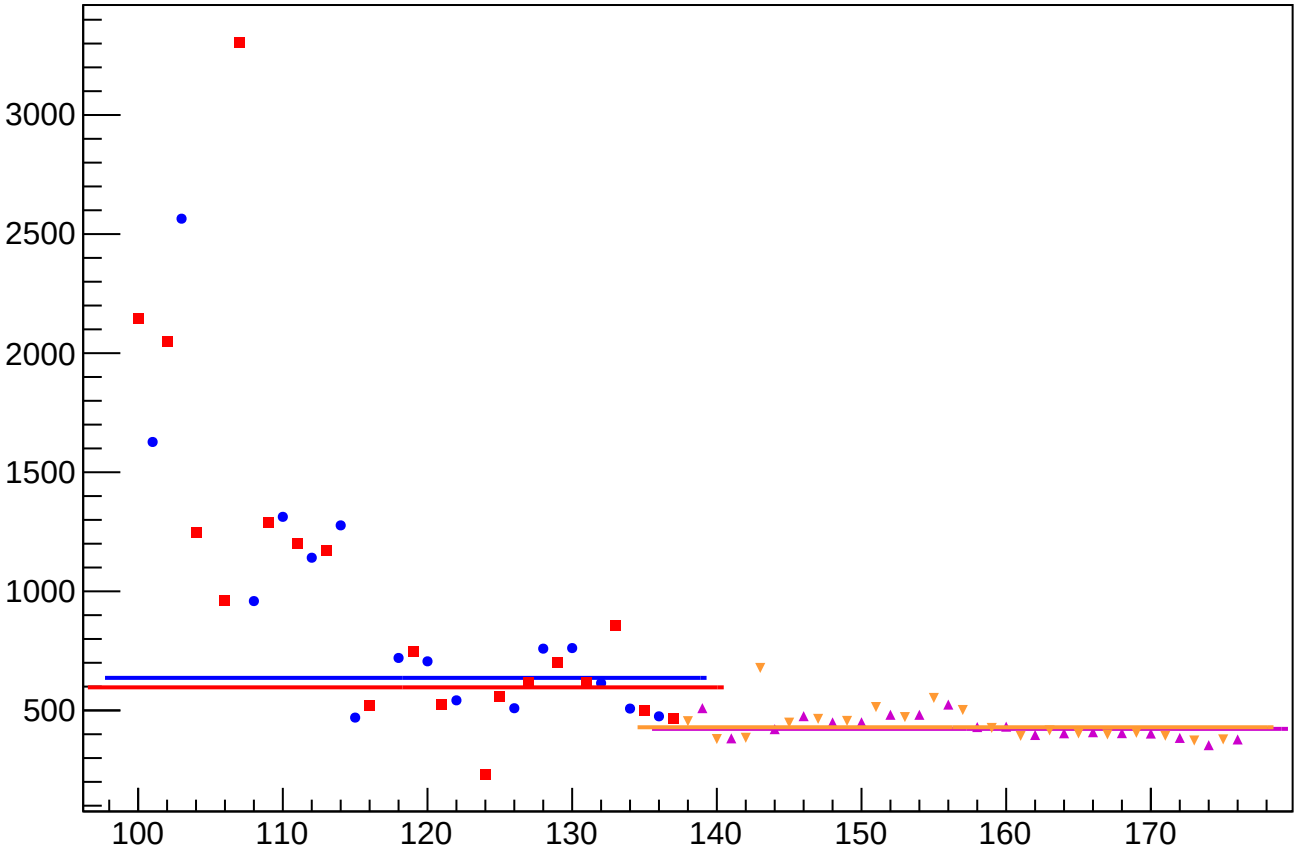
Left In: 83.711+/-108.105 χ^2/NDF:25.2/18

+ sign 448.038+/-100.562 χ^2/NDF: 78.9/35

All: 291.368+/-70.690 χ^2/NDF: 122.9/73

- sign 138.327+/-99.390 χ^2/NDF: 39.3/37

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 429.289+/-0.077 χ^2/NDF:568575.3/19

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

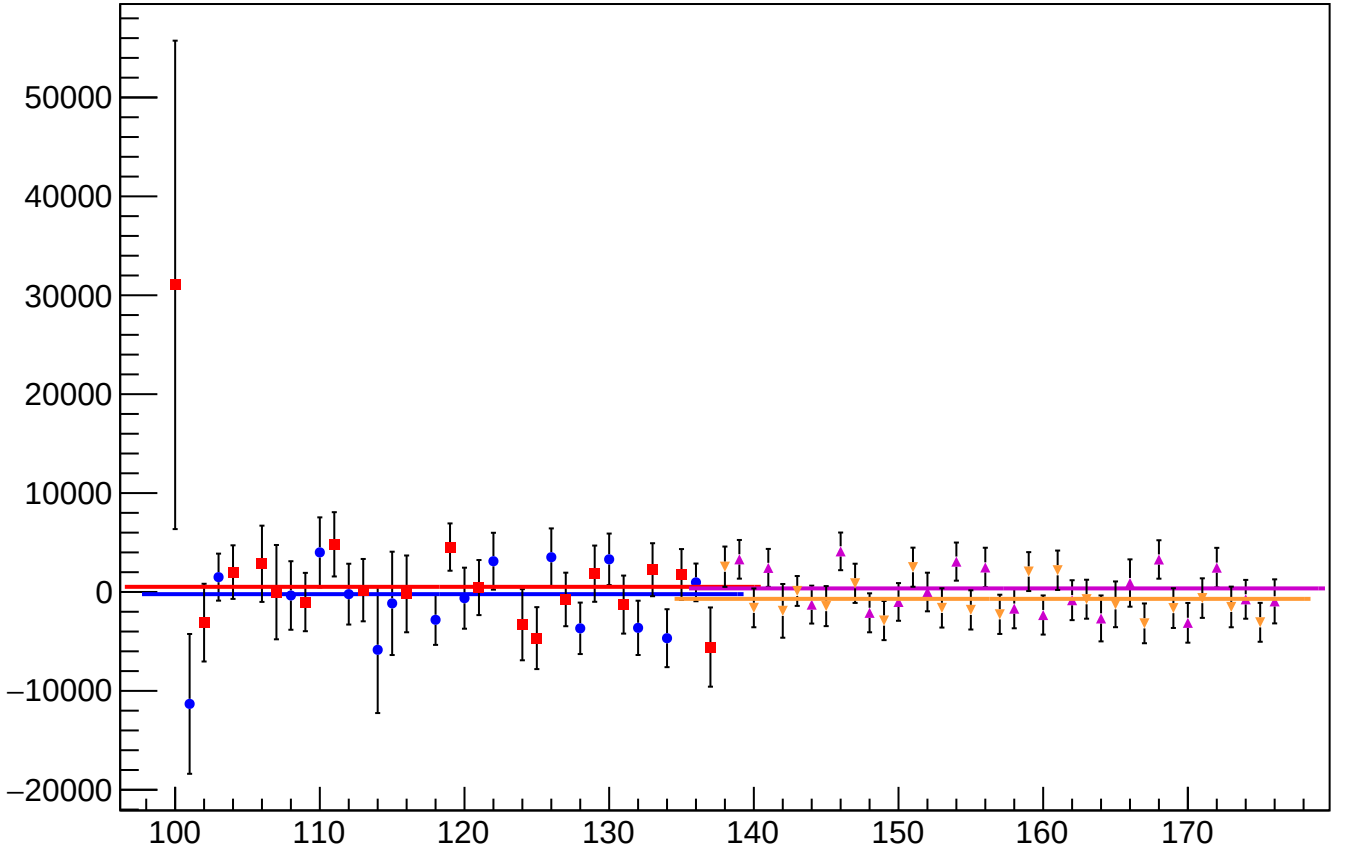
Left In: 422.574+/-0.076 χ^2/NDF:333542.0/18

+ sign 460.662+/-0.071 χ^2/NDF: 3726855.0/35

All: 455.037+/-0.050 χ^2/NDF: 7807560.4/73

- sign 449.542+/-0.070 χ^2/NDF: 4068333.4/37

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -695.931+/-445.360 χ^2/NDF:16.5/19

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

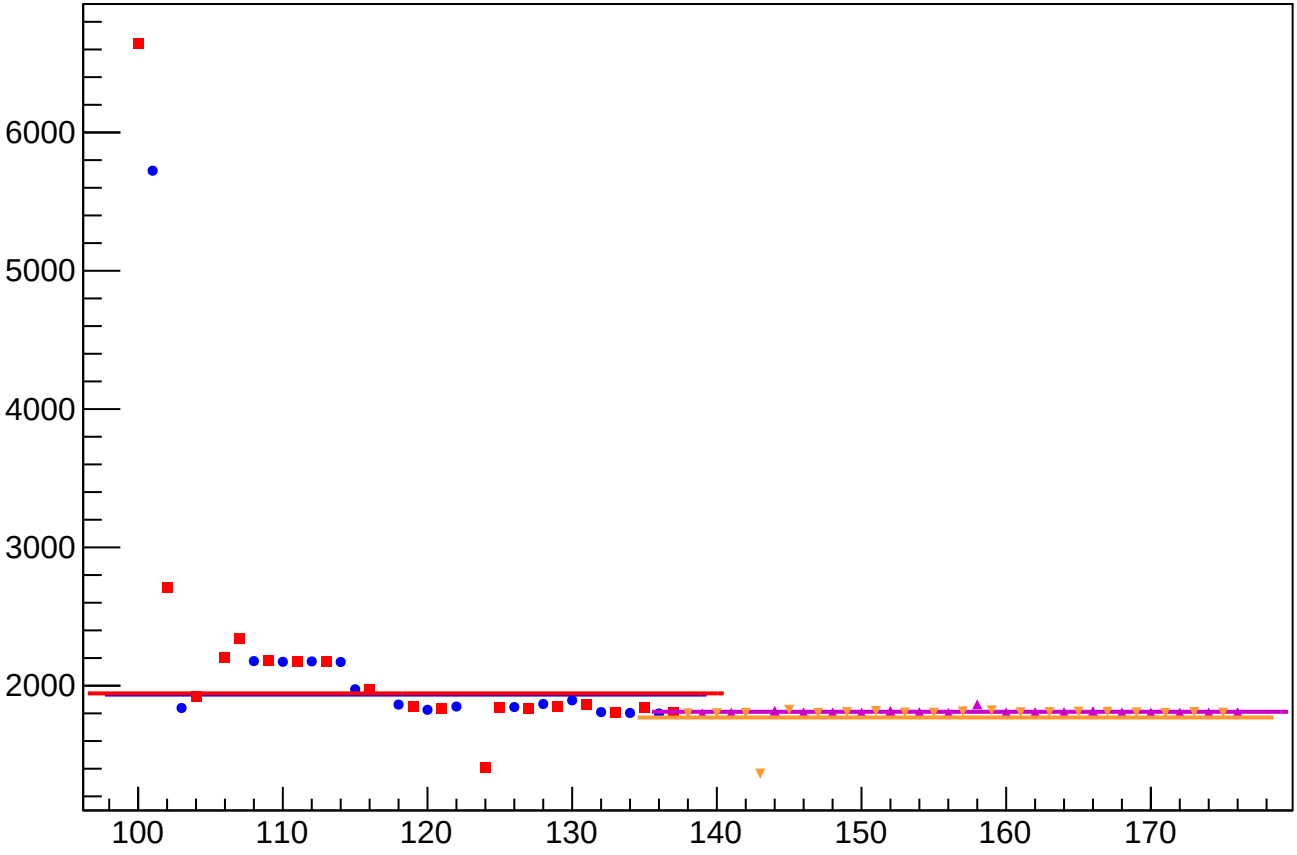
Left In: 360.759+/-459.472 χ^2/NDF:25.3/18

+ sign -568.449+/-381.016 χ^2/NDF: 33.9/35

All: -89.961+/-271.887 χ^2/NDF: 78.1/73

- sign 406.468+/-388.094 χ^2/NDF: 41.0/37

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1770.144+/-0.315 χ^2/NDF:158707.5/19

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

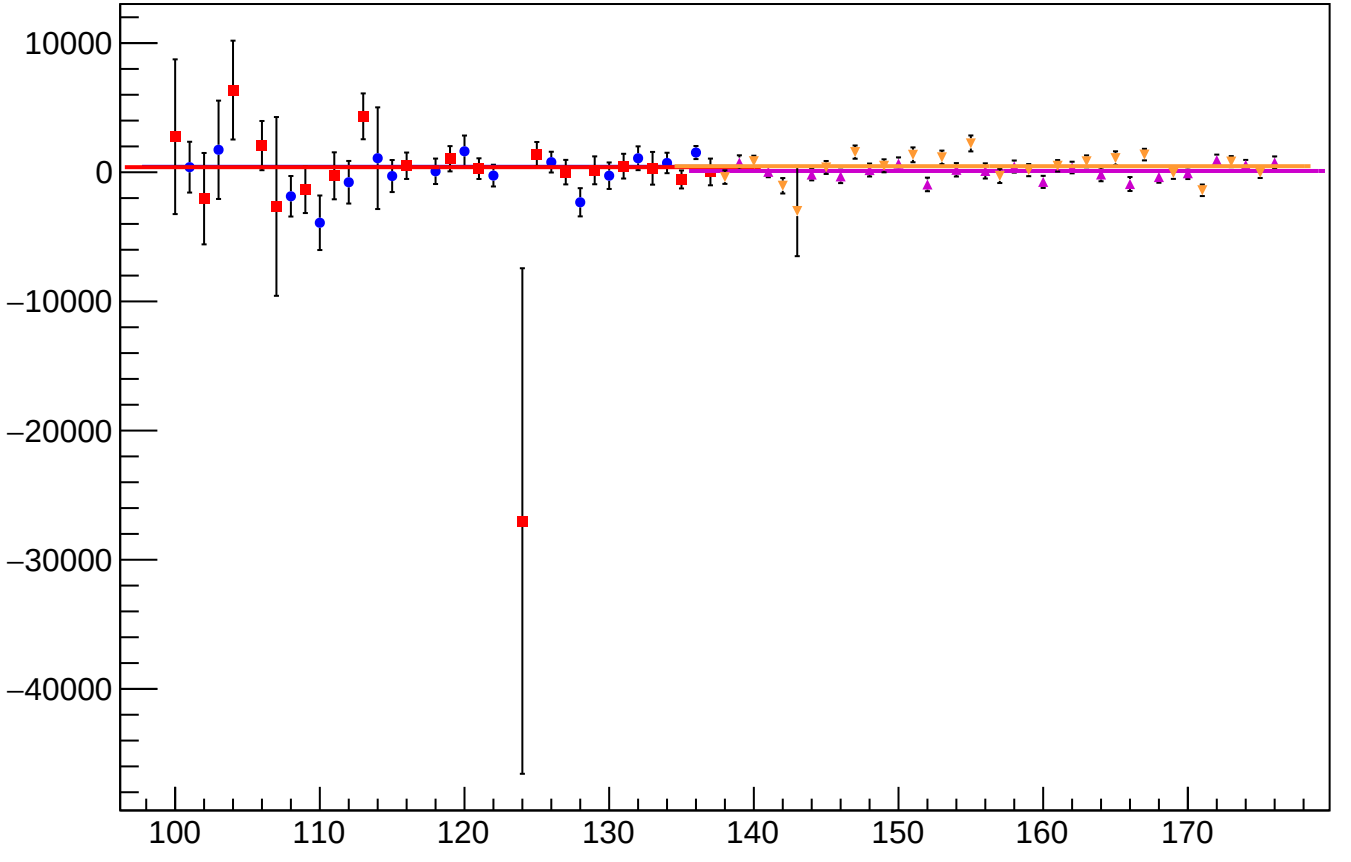
Left In: 1811.369+/-0.325 χ^2/NDF:1800.9/18

+ sign 1814.599+/-0.269 χ^2/NDF: 872851.5/35

All: 1831.738+/-0.192 χ^2/NDF: 1207232.9/73

- sign 1849.518+/-0.274 χ^2/NDF: 326137.0/37

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 469.326+/-111.693 χ^2/NDF:56.9/19

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

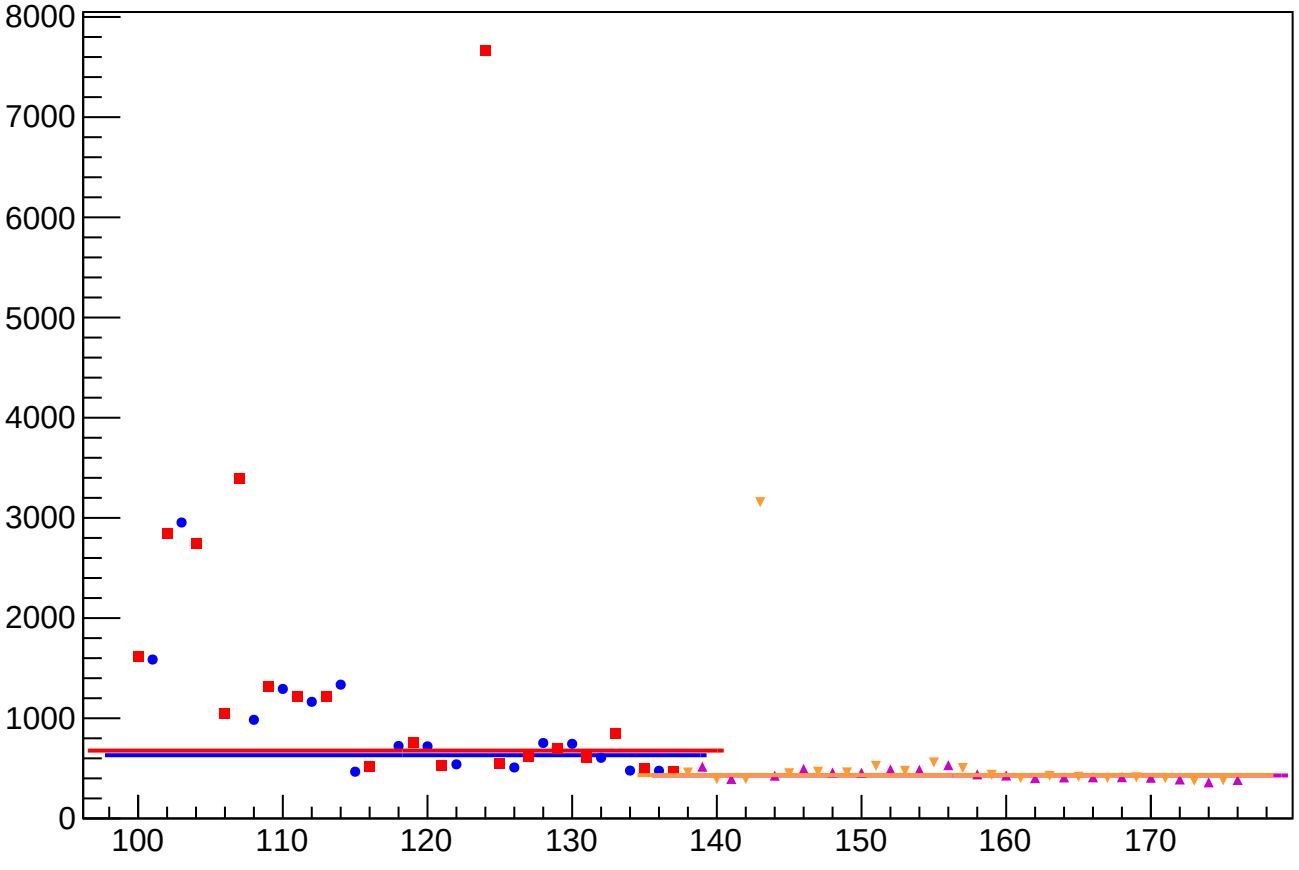
Left In: 98.812+/-109.667 χ^2/NDF:23.9/18

+ sign 461.659+/-102.421 χ^2/NDF: 78.4/35

All: 299.371+/-72.306 χ^2/NDF: 124.2/73

- sign 138.124+/-102.093 χ^2/NDF: 40.7/37

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 432.831+/-0.079 χ^2/NDF:1545634.9/19

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

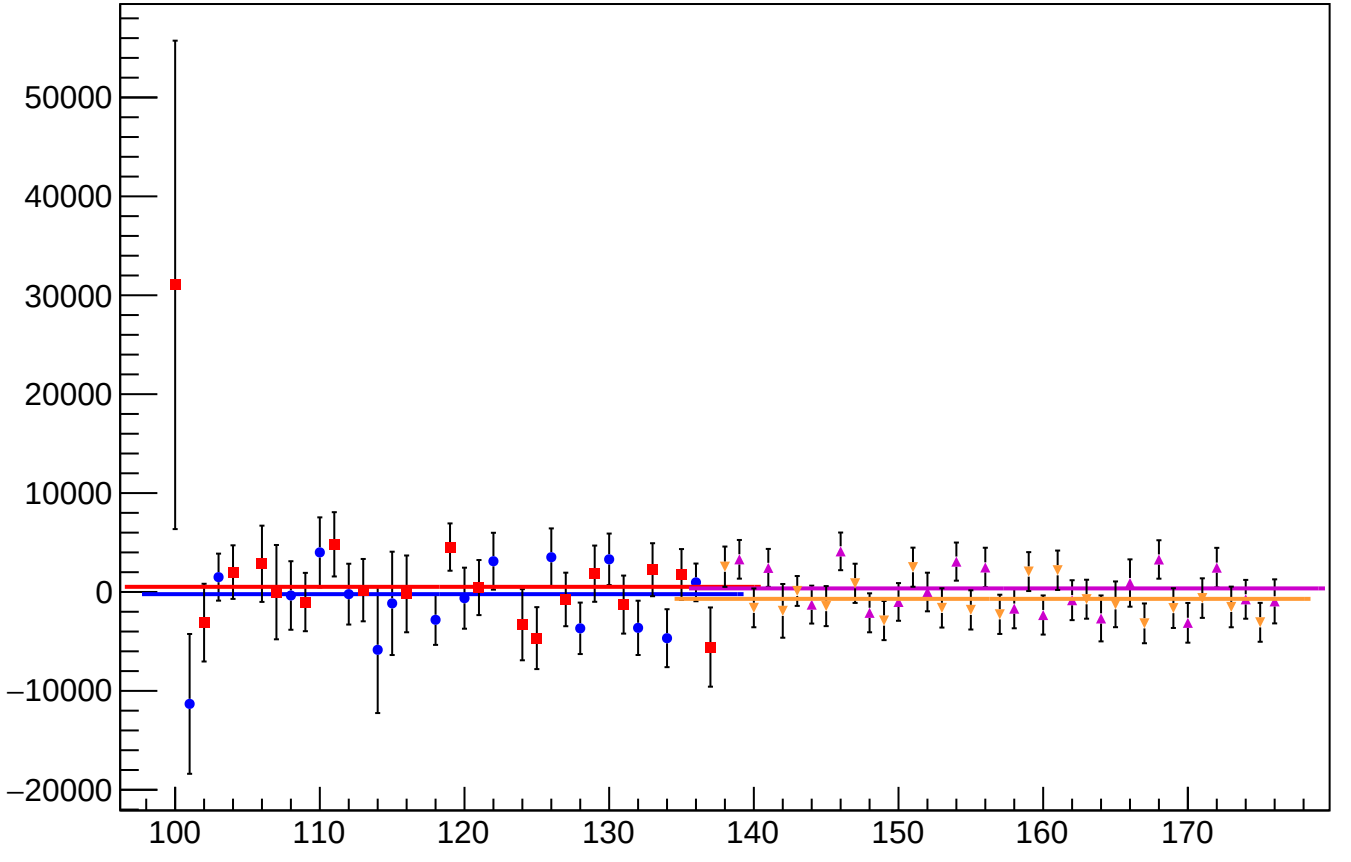
Left In: 429.134+/-0.078 χ^2/NDF:334231.3/18

+ sign 464.388+/-0.072 χ^2/NDF: 4783397.3/35

All: 463.315+/-0.051 χ^2/NDF: 9566971.4/73

- sign 462.249+/-0.072 χ^2/NDF: 4783136.3/37

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -695.932+/-445.360 χ^2/NDF:16.5/19

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

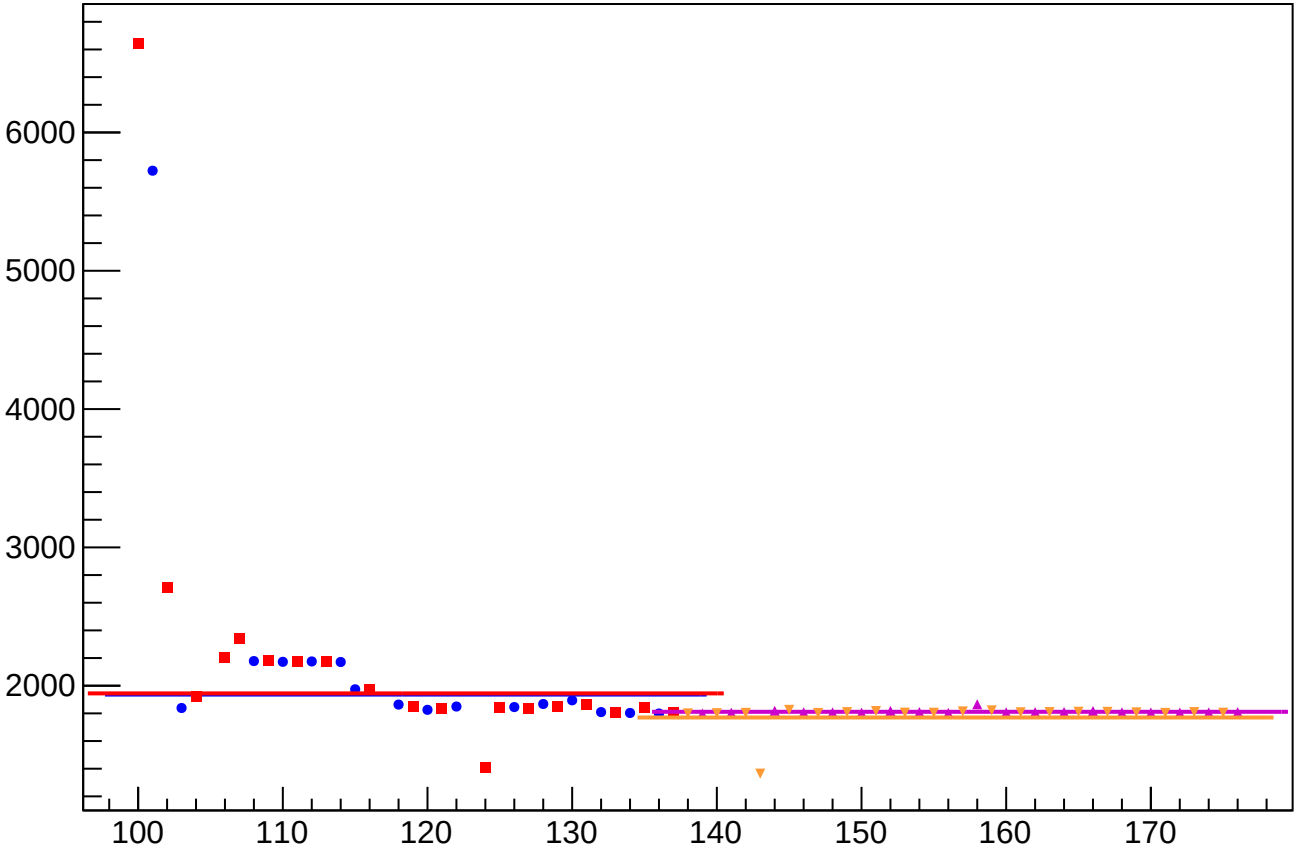
Left In: 360.759+/-459.472 χ^2/NDF:25.3/18

+ sign -568.450+/-381.016 χ^2/NDF: 33.9/35

All: -89.962+/-271.887 χ^2/NDF: 78.1/73

- sign 406.468+/-388.094 χ^2/NDF: 41.0/37

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1770.144+/-0.315 χ^2/NDF:158707.4/19

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

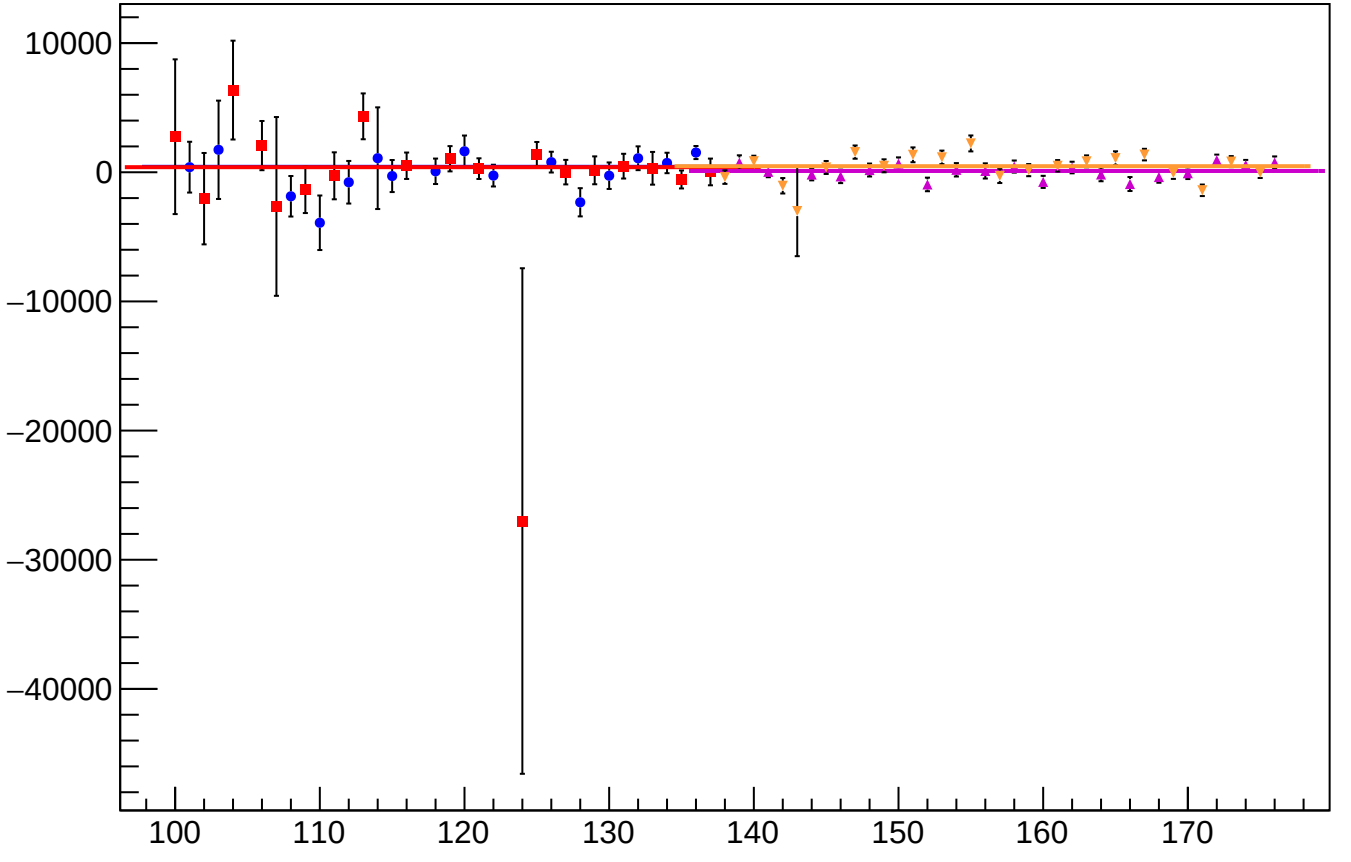
Left In: 1811.369+/-0.325 χ^2/NDF:1800.9/18

+ sign 1814.599+/-0.269 χ^2/NDF: 872851.4/35

All: 1831.738+/-0.192 χ^2/NDF: 1207232.7/73

- sign 1849.518+/-0.274 χ^2/NDF: 326136.8/37

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 469.325+/-111.693 χ^2/NDF:56.9/19

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

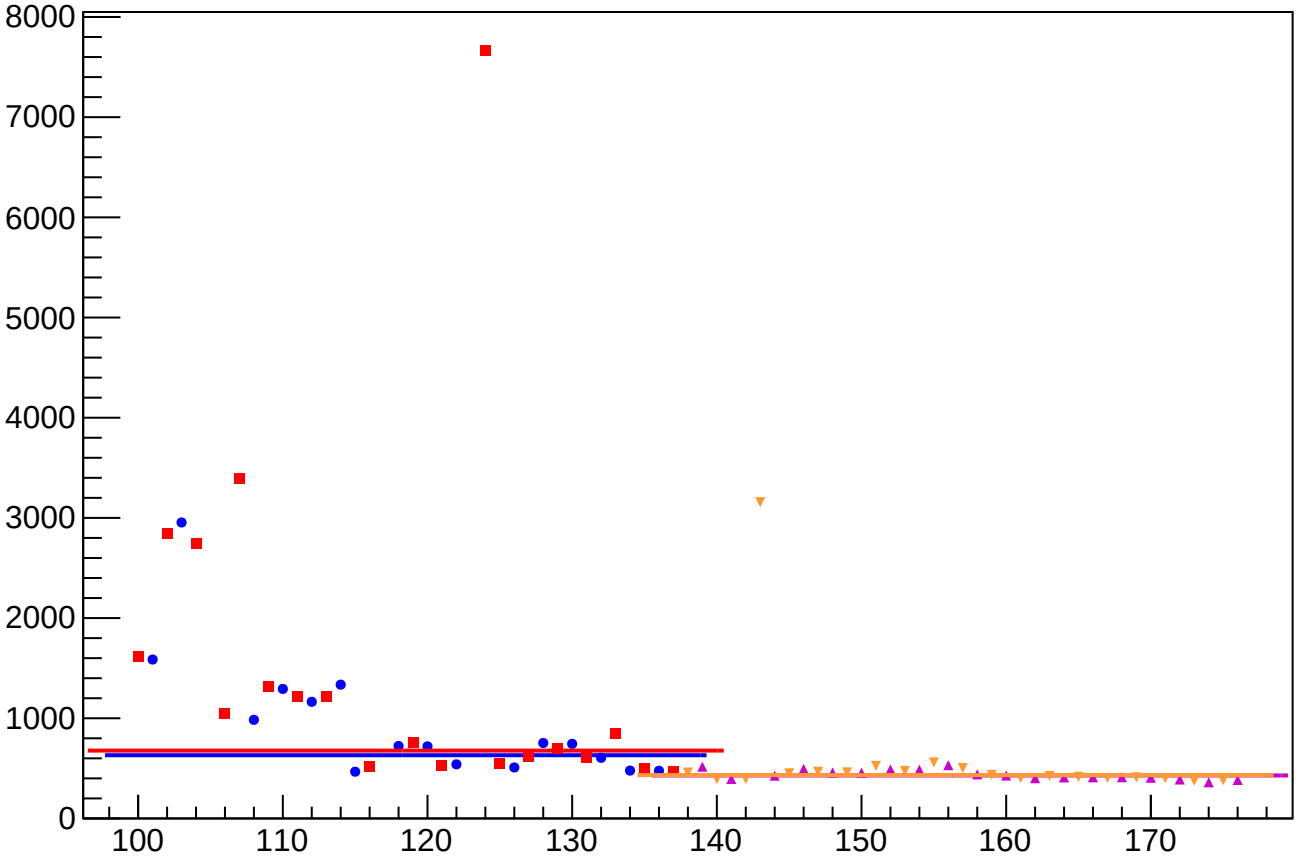
Left In: 98.811+/-109.667 χ^2/NDF:23.9/18

+ sign 461.658+/-102.421 χ^2/NDF: 78.4/35

All: 299.371+/-72.306 χ^2/NDF: 124.2/73

- sign 138.123+/-102.093 χ^2/NDF: 40.7/37

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 432.830+/-0.079 χ^2/NDF:1545636.3/19

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

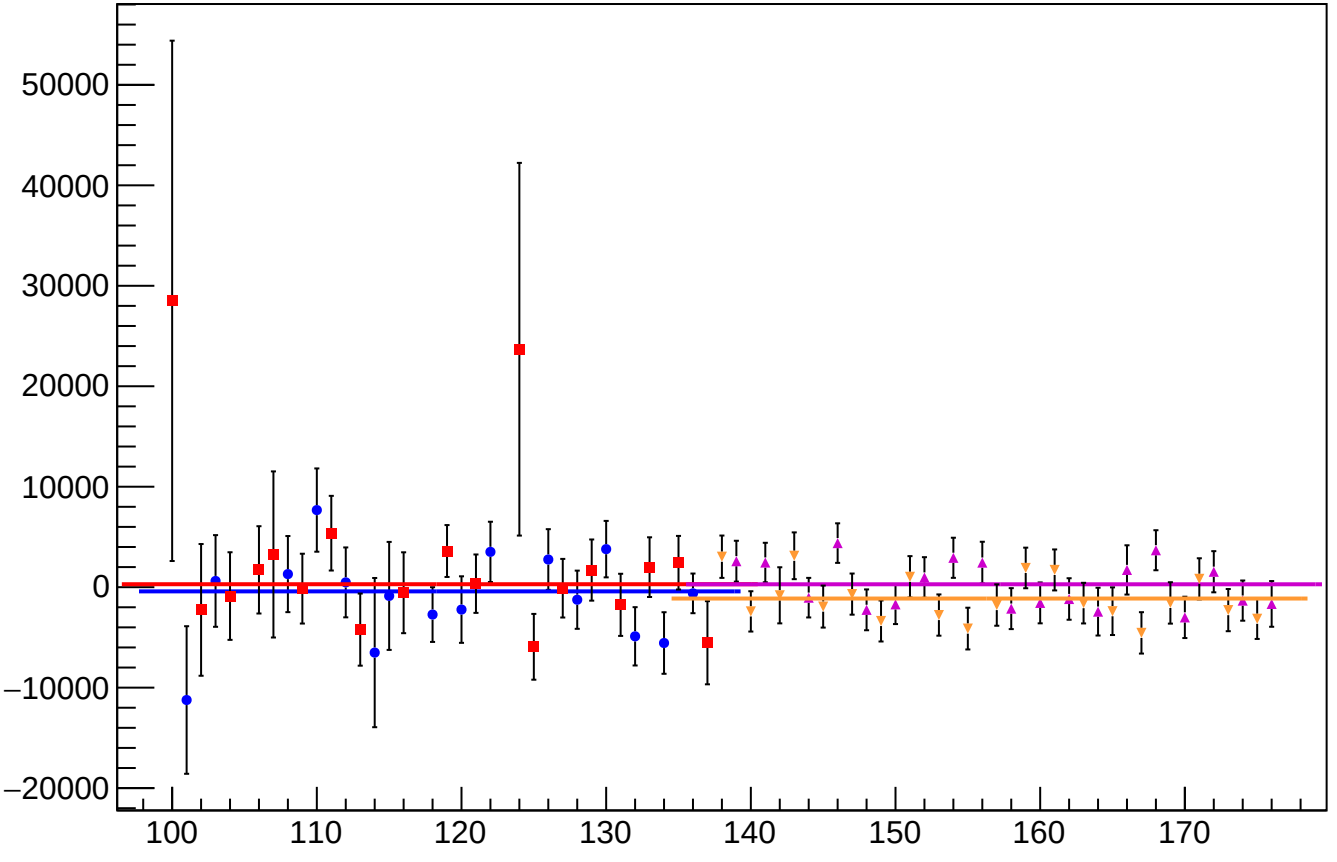
Left In: 429.134+/-0.078 χ^2/NDF:334234.3/18

+ sign 464.388+/-0.072 χ^2/NDF: 4783398.8/35

All: 463.315+/-0.051 χ^2/NDF: 9566977.1/73

- sign 462.248+/-0.072 χ^2/NDF: 4783140.5/37

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1130.907+/-470.051 χ^2/NDF:22.5/19

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

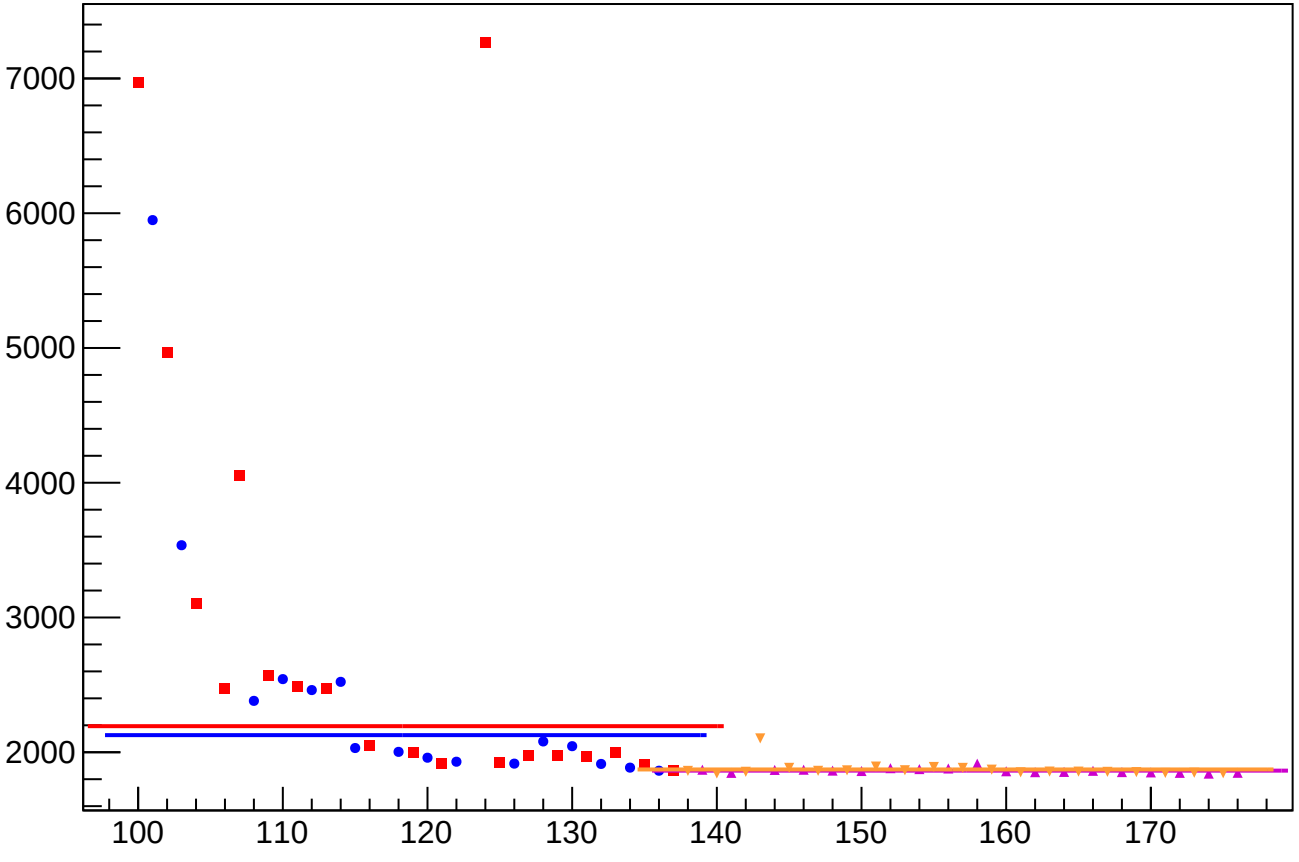
Left In: 288.458+/-472.715 χ^2/NDF:24.4/18

+ sign -952.995+/-407.228 χ^2/NDF: 41.5/35

All: -337.198+/-289.264 χ^2/NDF: 86.2/73

- sign 289.940+/-410.961 χ^2/NDF: 40.1/37

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1872.315+/-0.332 χ^2/NDF:22531.2/19

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

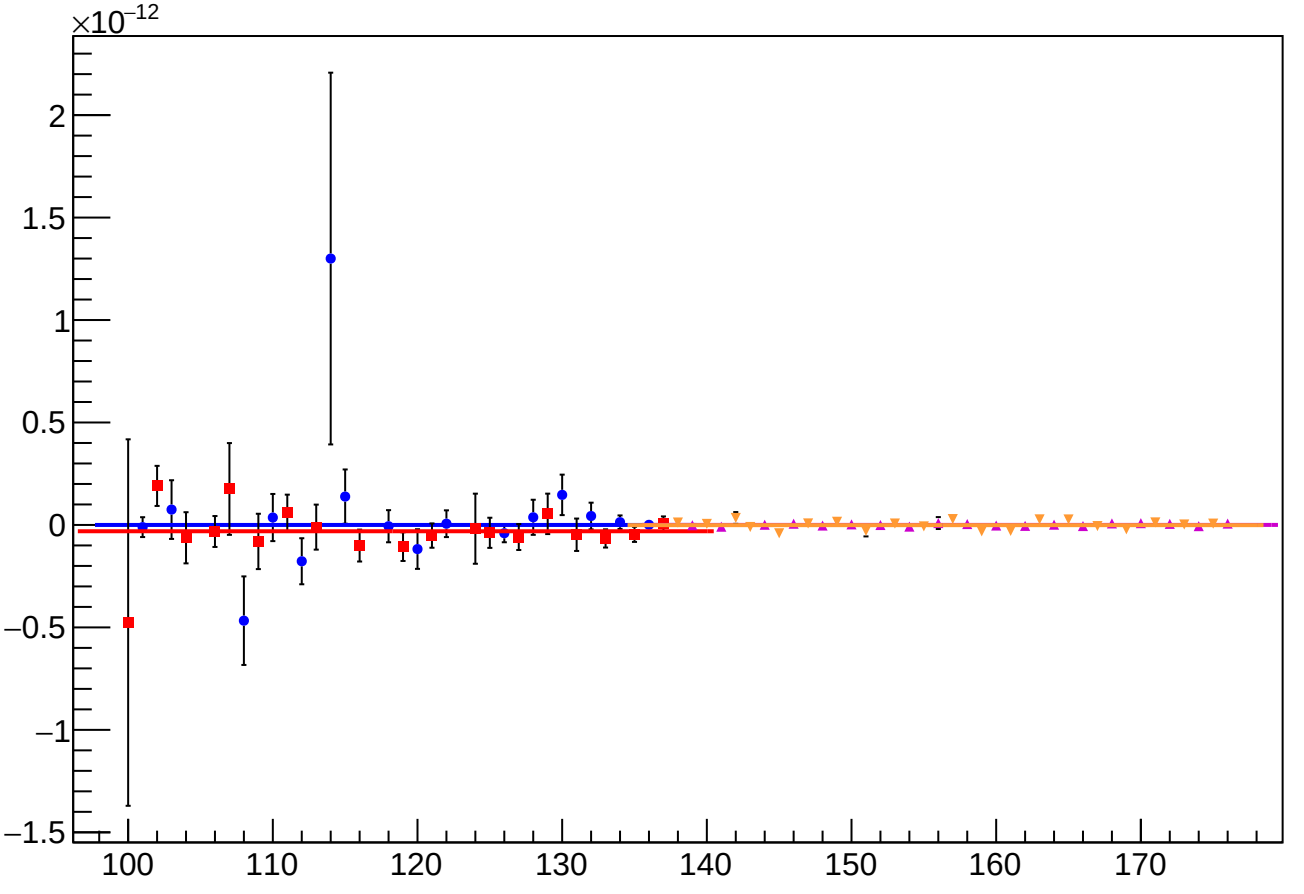
Left In: 1863.542+/-0.334 χ^2/NDF:2539.5/18

+ sign 1935.854+/-0.288 χ^2/NDF: 1044114.8/35

All: 1939.957+/-0.205 χ^2/NDF: 2227696.4/73

- sign 1944.135+/-0.291 χ^2/NDF: 1183171.8/37

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

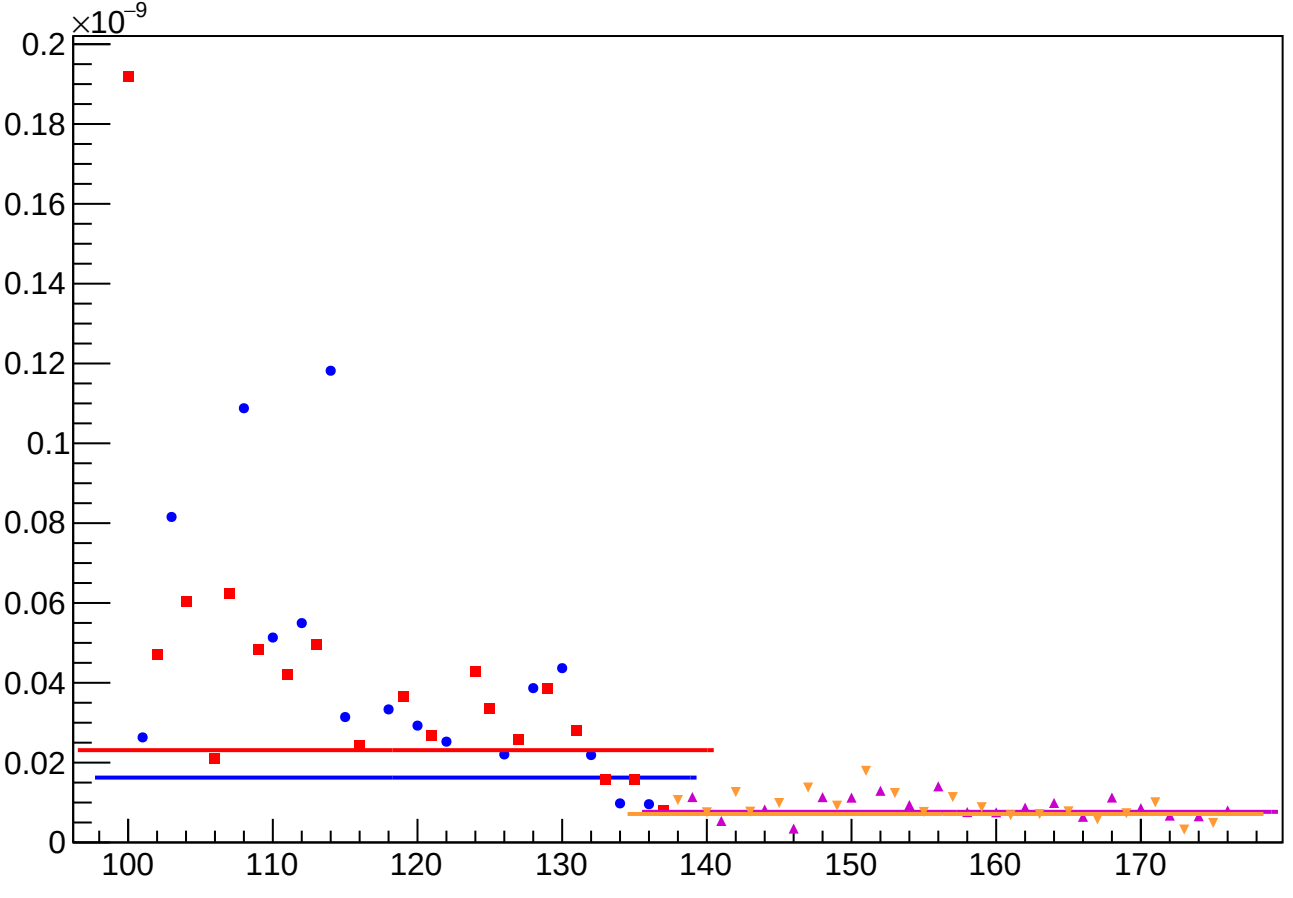
Left In: 0.000+/-0.000 χ^2/NDF:2.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/35

All: -0.000+/-0.000 χ^2/NDF: 66.0/73

- sign -0.000+/-0.000 χ^2/NDF: 18.7/37

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:1570533.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

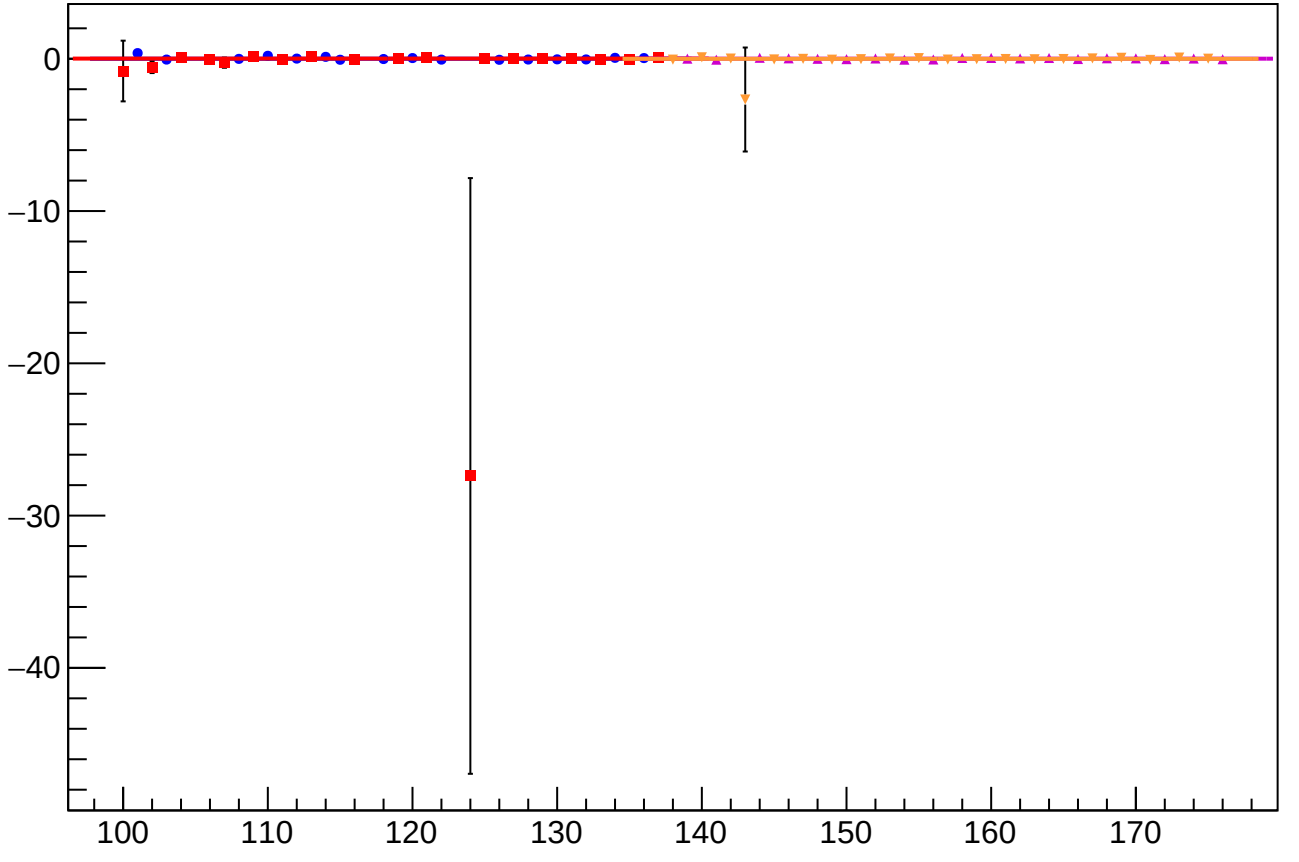
Left In: 0.000+/-0.000 χ^2/NDF:1013269.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 4957238.2/35

All: 0.000+/-0.000 χ^2/NDF: 9260306.6/73

- sign 0.000+/-0.000 χ^2/NDF: 4264878.3/37

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

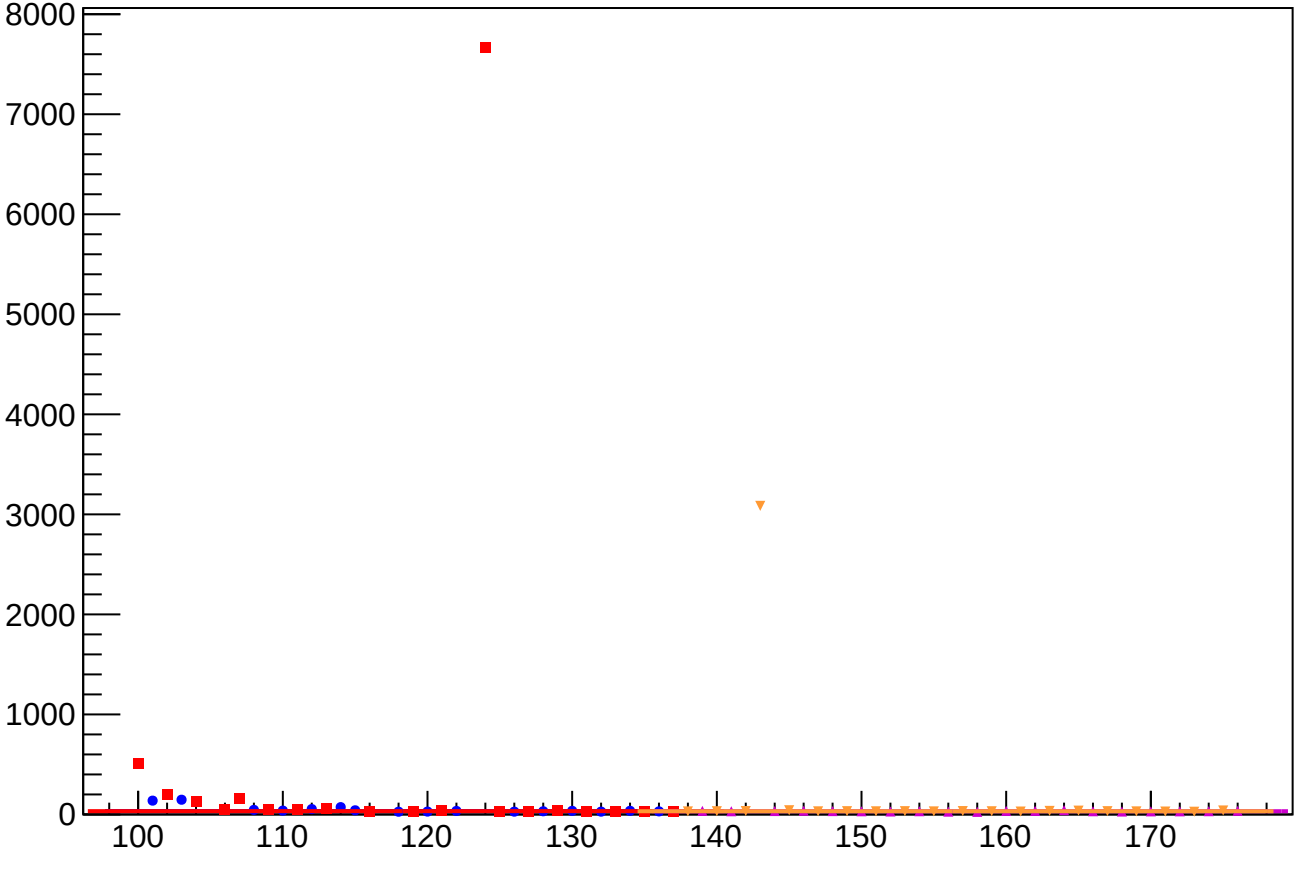
Left In: 0.006+/-0.009 χ^2/NDF:18.5/18

+ sign -0.002+/-0.008 χ^2/NDF: 51.7/35

All: 0.003+/-0.005 χ^2/NDF: 85.2/73

- sign 0.007+/-0.008 χ^2/NDF: 32.8/37

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.104+/-0.006 χ^2/NDF:1870546.5/19

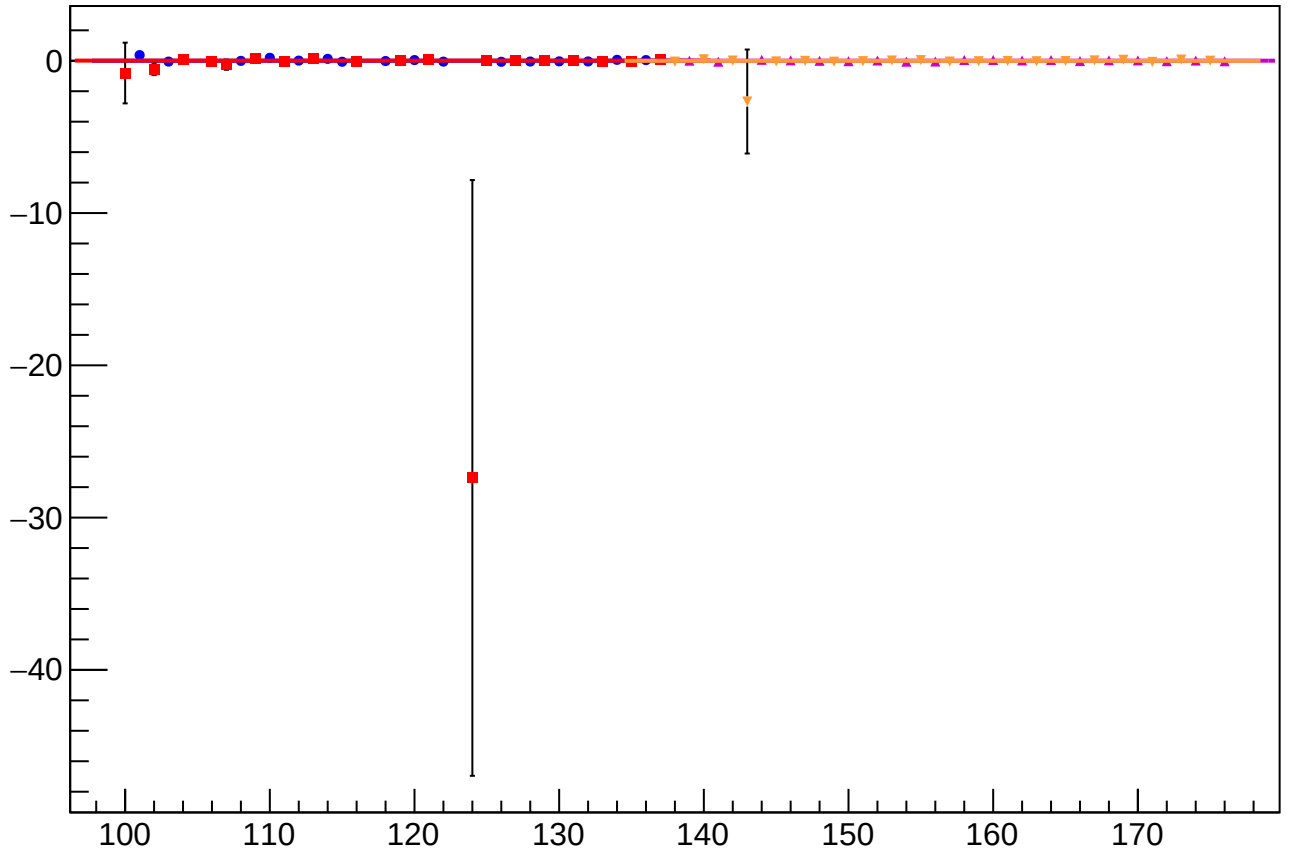
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.401+/-0.006 χ^2/NDF:282766.4/18

+ sign 32.632+/-0.005 χ^2/NDF: 3613322.1/35

All: 32.608+/-0.004 χ^2/NDF: 5974343.4/73

- sign 32.583+/-0.005 χ^2/NDF: 2360980.9/37



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

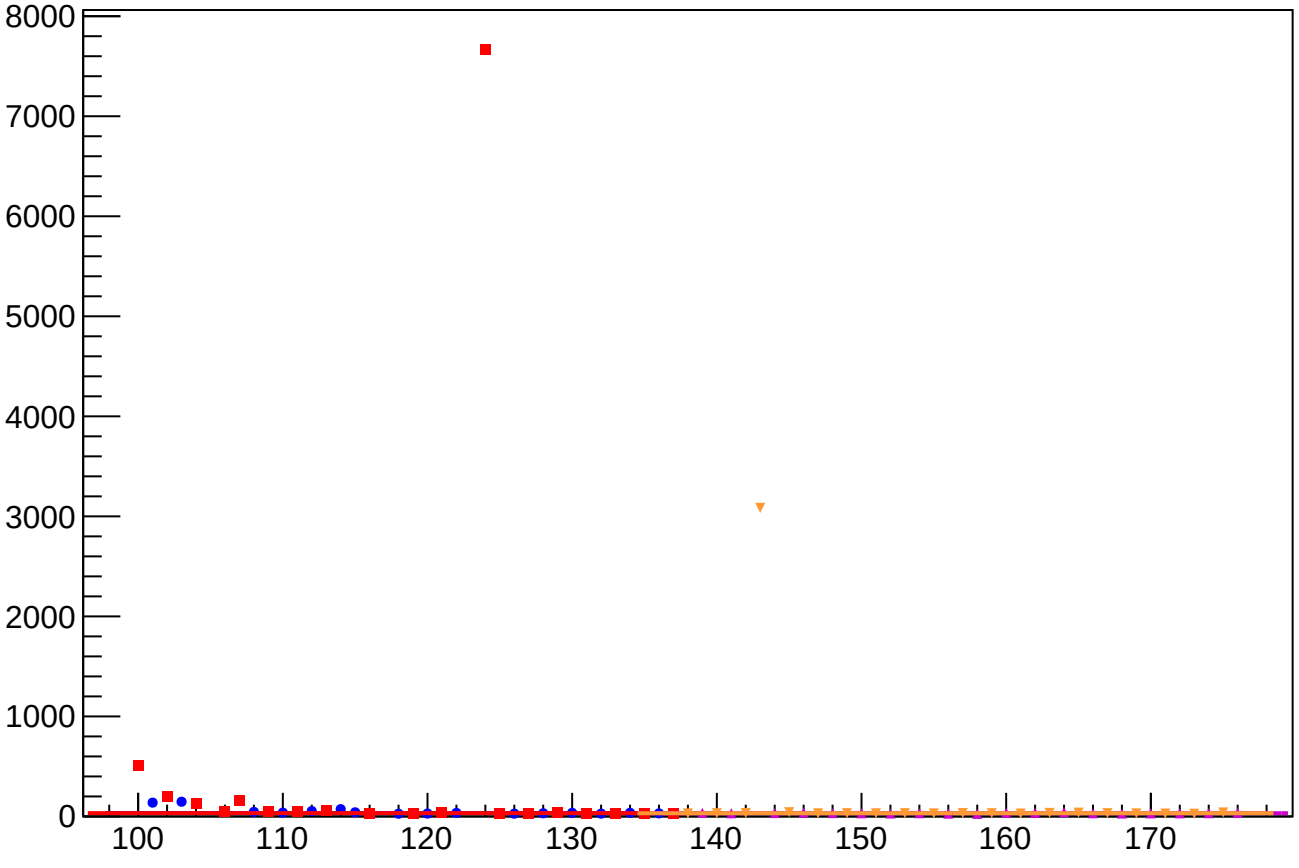
Left In: 0.006+/-0.009 χ^2/NDF:18.5/18

+ sign -0.002+/-0.008 χ^2/NDF: 51.7/35

All: 0.003+/-0.005 χ^2/NDF: 85.2/73

- sign 0.007+/-0.008 χ^2/NDF: 32.8/37

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: 32.104+/-0.006 χ^2/NDF:1870546.5/19

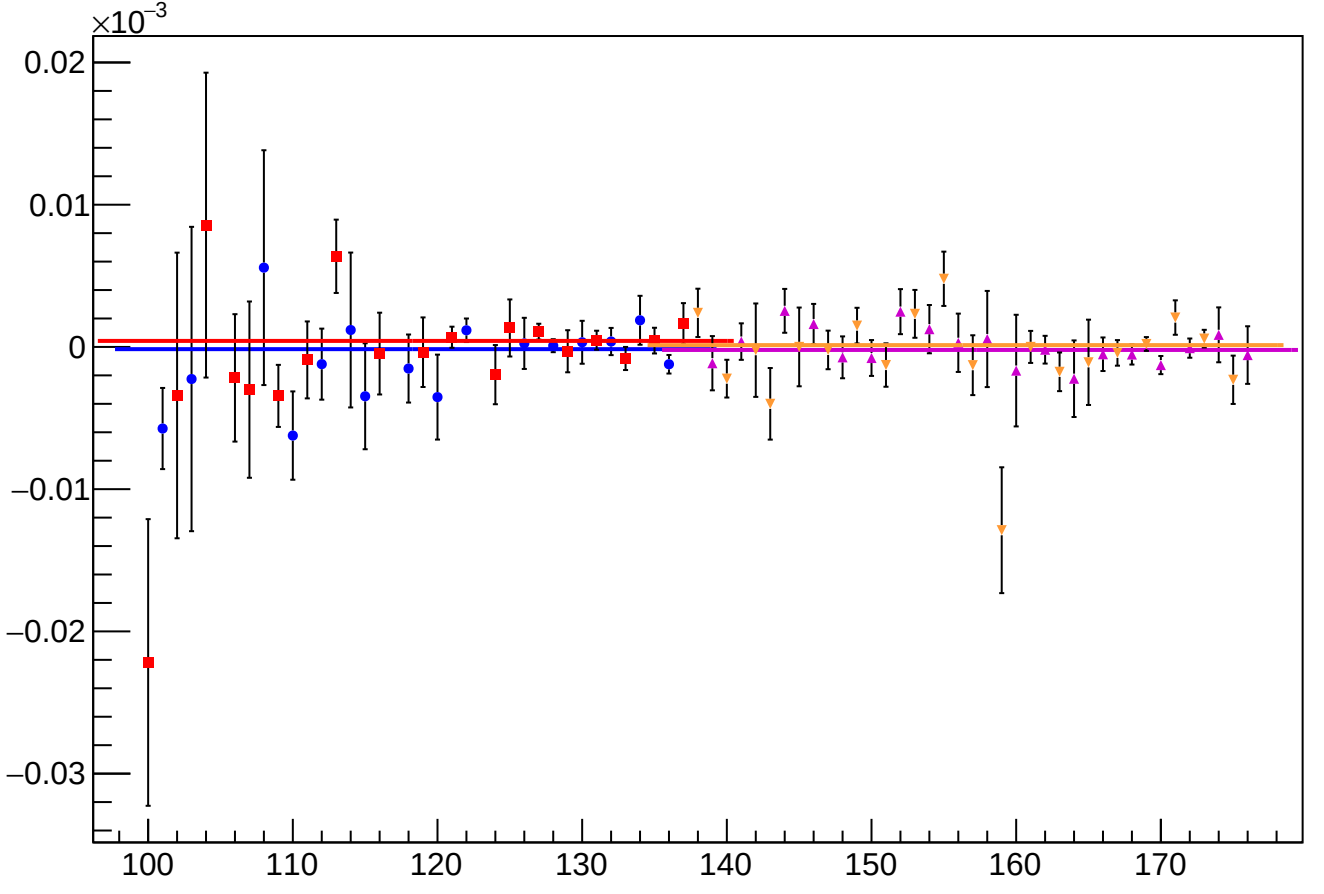
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.401+/-0.006 χ^2/NDF:282766.4/18

+ sign 32.632+/-0.005 χ^2/NDF: 3613322.1/35

All: 32.608+/-0.004 χ^2/NDF: 5974343.4/73

- sign 32.583+/-0.005 χ^2/NDF: 2360980.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/19

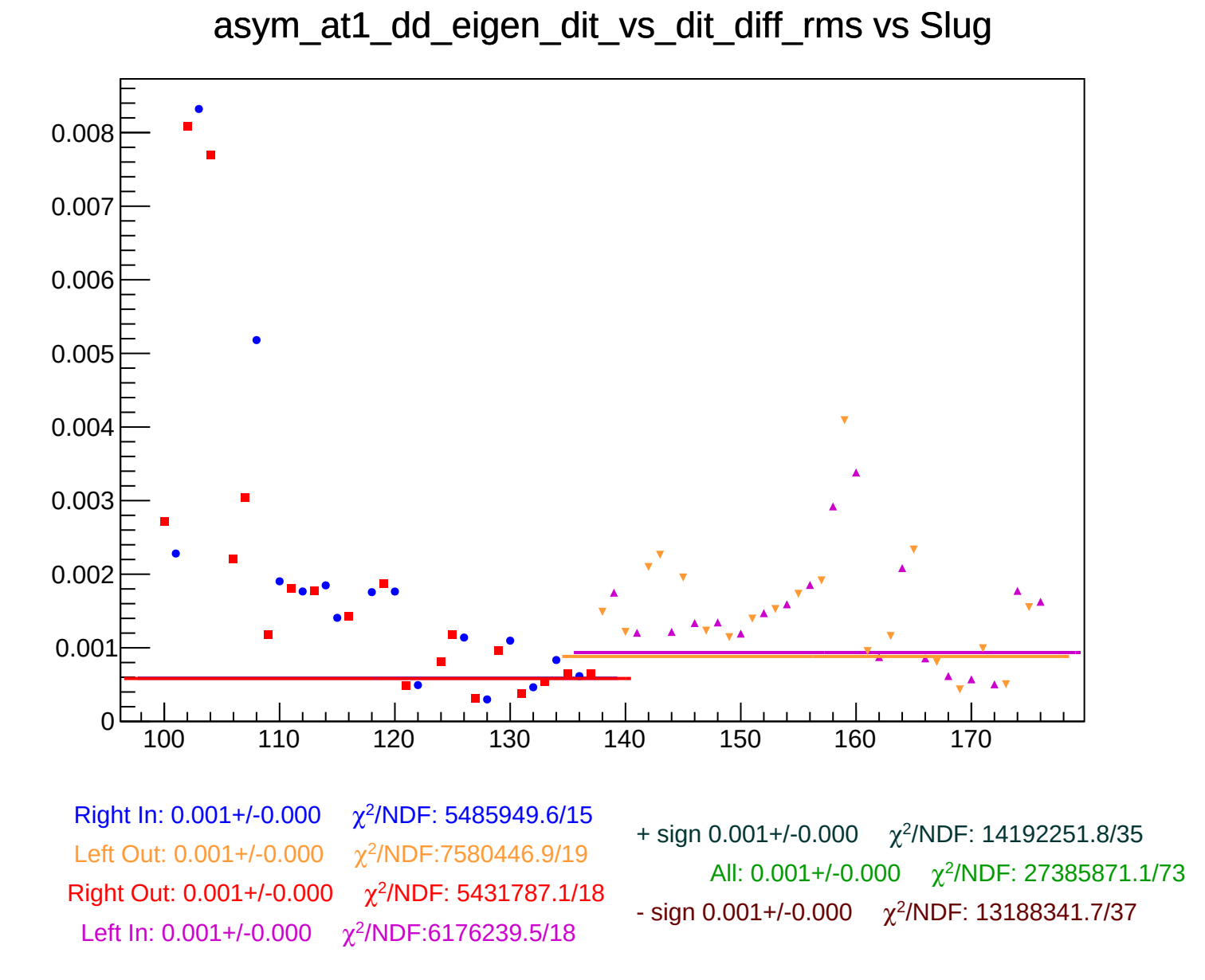
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

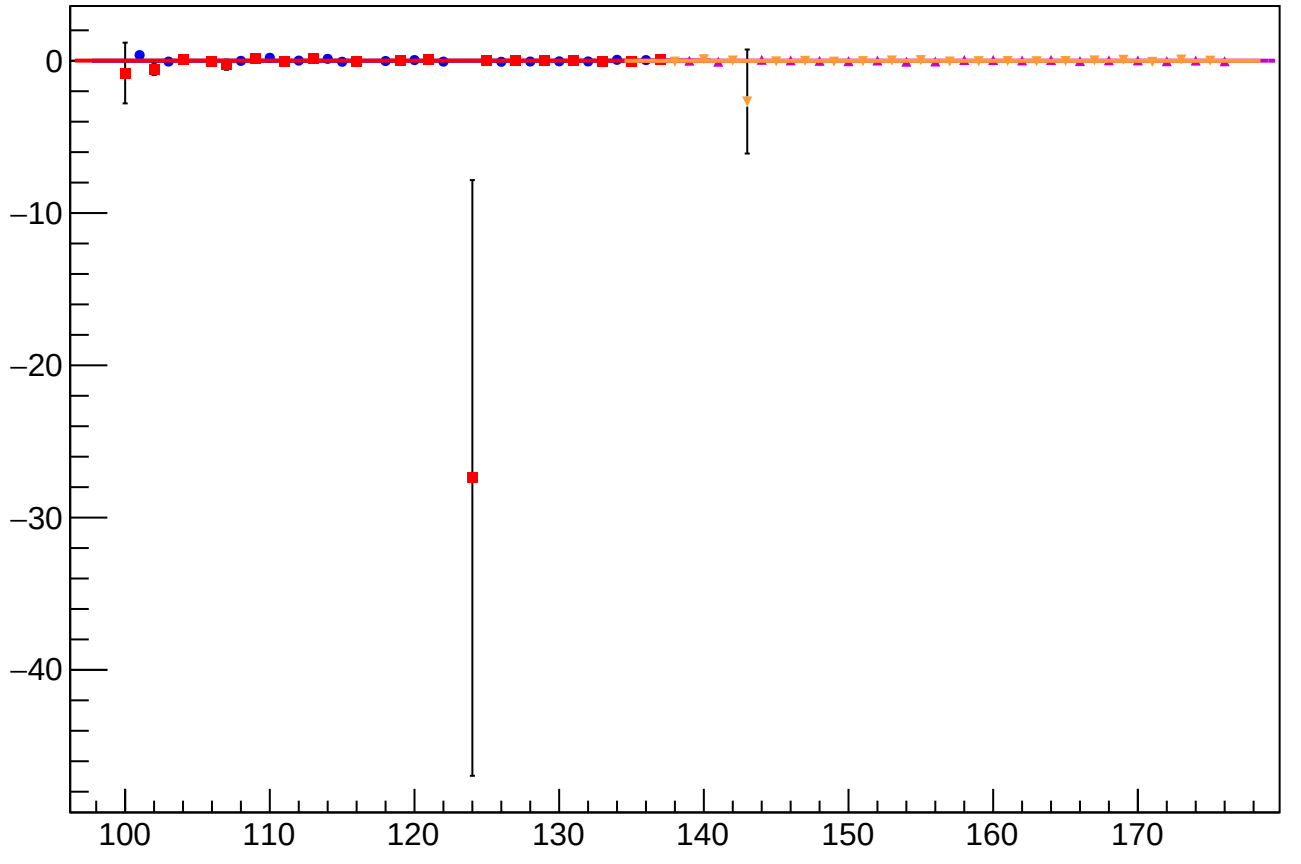
Left In: -0.000+/-0.000 χ^2/NDF:13.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 52.9/35

All: 0.000+/-0.000 χ^2/NDF: 90.6/73

- sign 0.000+/-0.000 χ^2/NDF: 37.6/37


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 5485949.6/15
Left Out: 0.001+/-0.000 χ²/NDF:7580446.9/19
Right Out: 0.001+/-0.000 χ²/NDF: 5431787.1/18
Left In: 0.001+/-0.000 χ²/NDF:6176239.5/18
+ sign 0.001+/-0.000 χ²/NDF: 14192251.8/35
All: 0.001+/-0.000 χ²/NDF: 27385871.1/73
- sign 0.001+/-0.000 χ²/NDF: 13188341.7/37



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

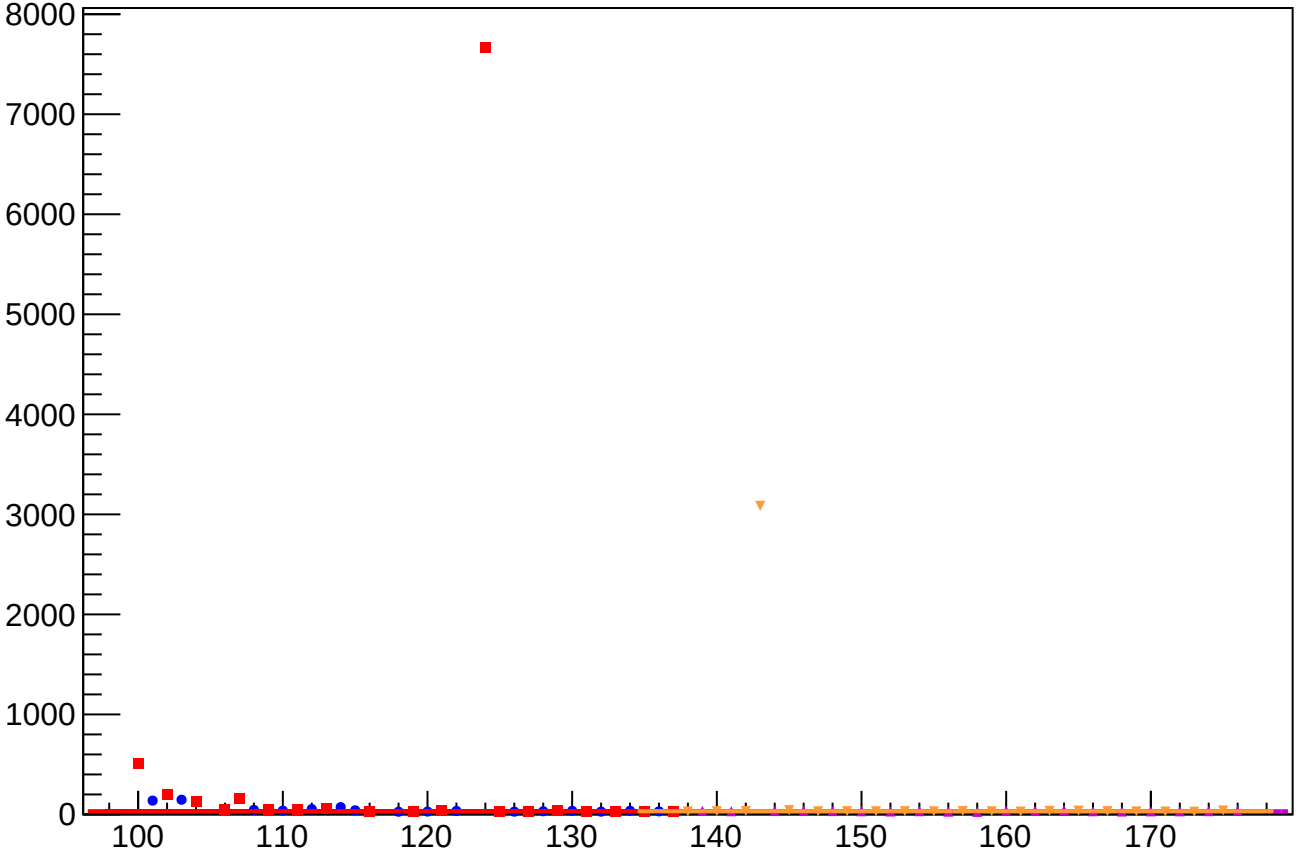
Left In: 0.006+/-0.009 χ^2/NDF:18.5/18

+ sign -0.002+/-0.008 χ^2/NDF: 51.7/35

All: 0.003+/-0.005 χ^2/NDF: 85.2/73

- sign 0.007+/-0.008 χ^2/NDF: 32.8/37

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: 32.104+/-0.006 χ^2/NDF:1870539.9/19

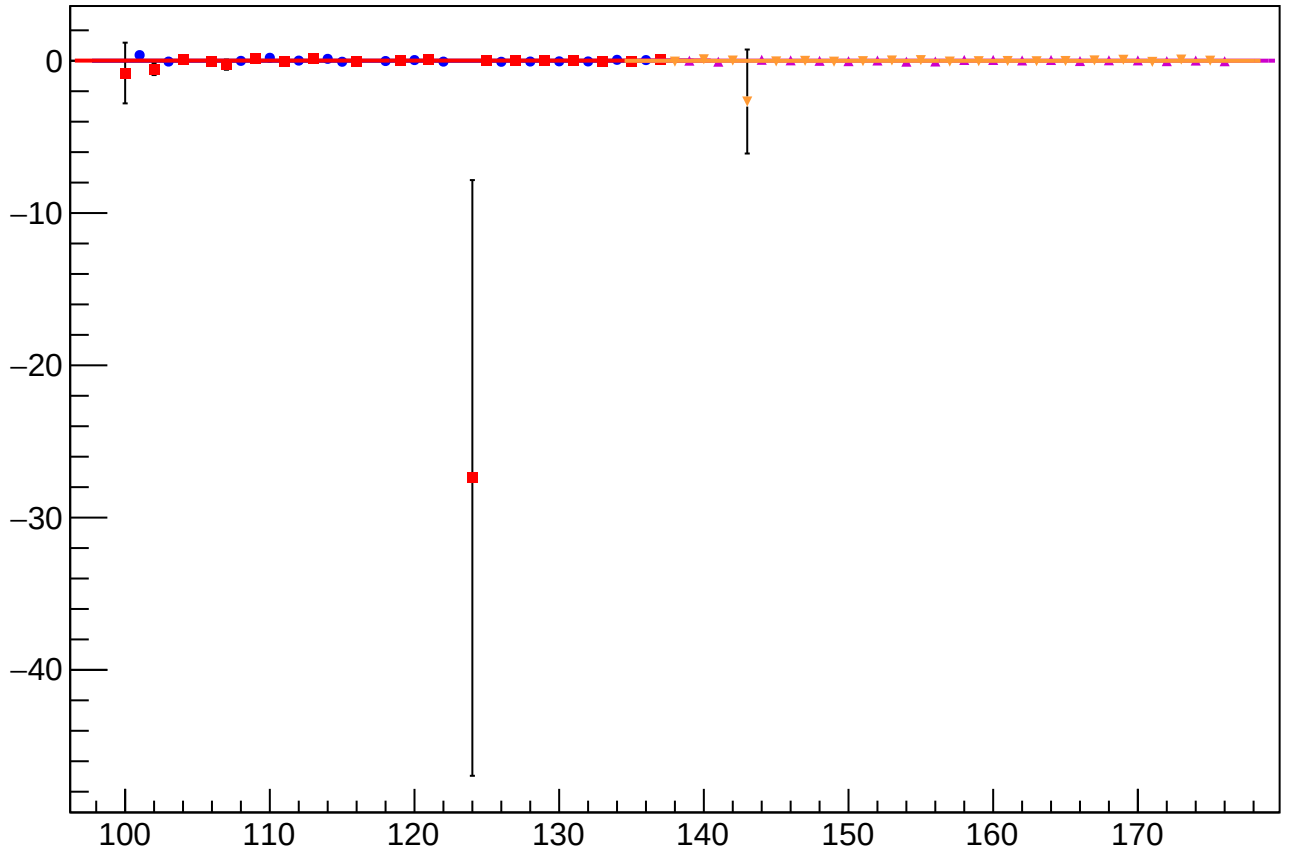
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.402+/-0.006 χ^2/NDF:282686.2/18

+ sign 32.632+/-0.005 χ^2/NDF: 3613304.2/35

All: 32.608+/-0.004 χ^2/NDF: 5974223.5/73

- sign 32.583+/-0.005 χ^2/NDF: 2360879.2/37



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

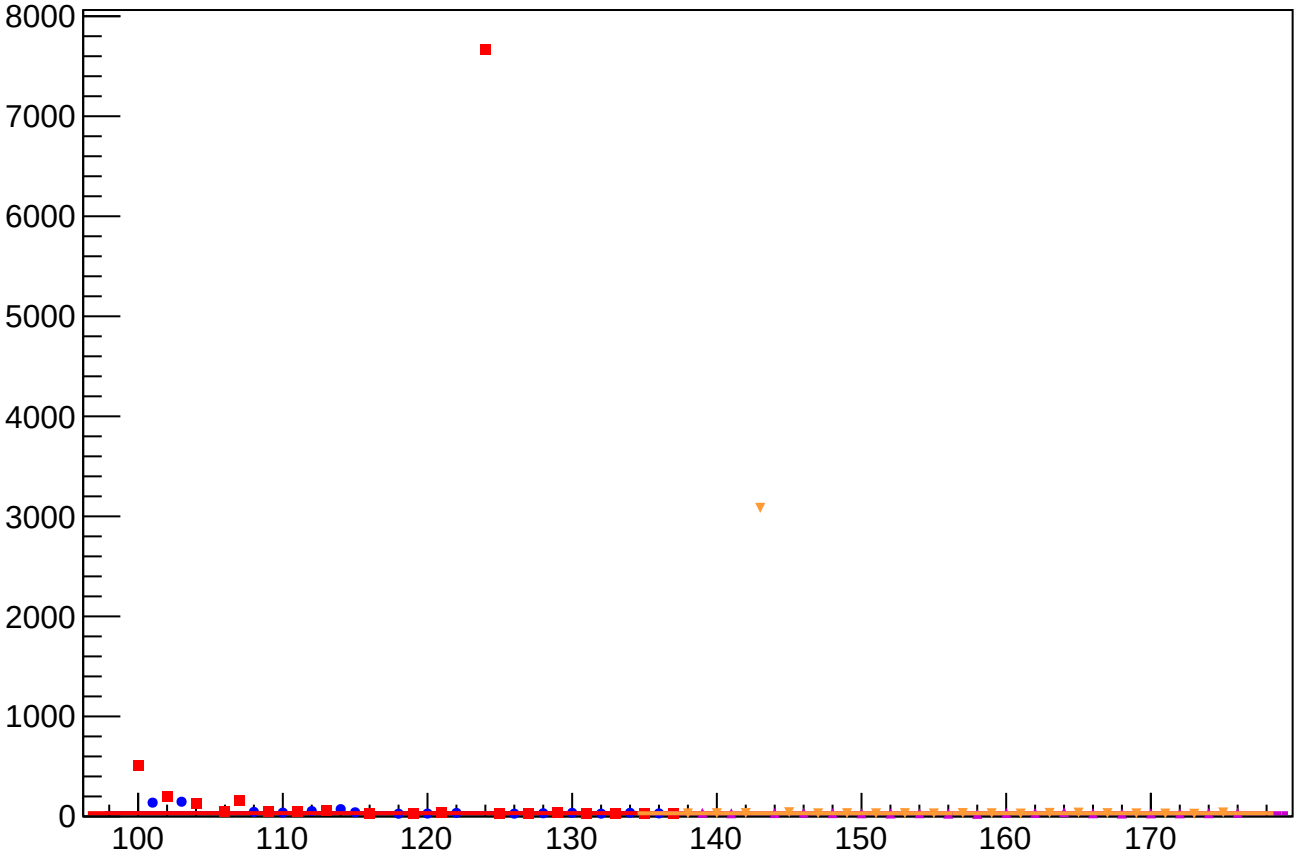
Left In: 0.006+/-0.009 χ^2/NDF:18.5/18

+ sign -0.002+/-0.008 χ^2/NDF: 51.7/35

All: 0.003+/-0.005 χ^2/NDF: 85.2/73

- sign 0.007+/-0.008 χ^2/NDF: 32.8/37

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: 32.104+/-0.006 χ^2/NDF:1870539.9/19

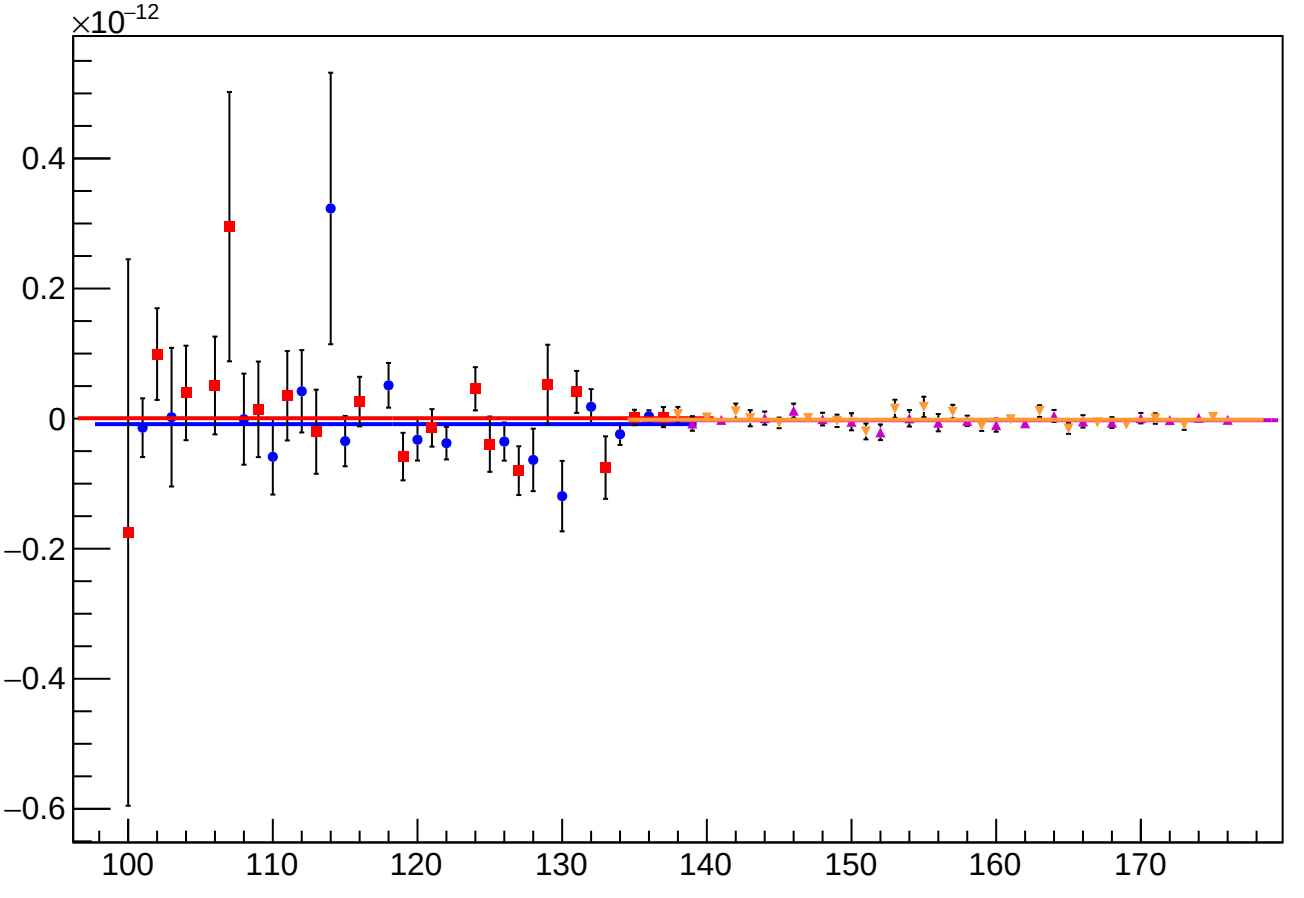
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

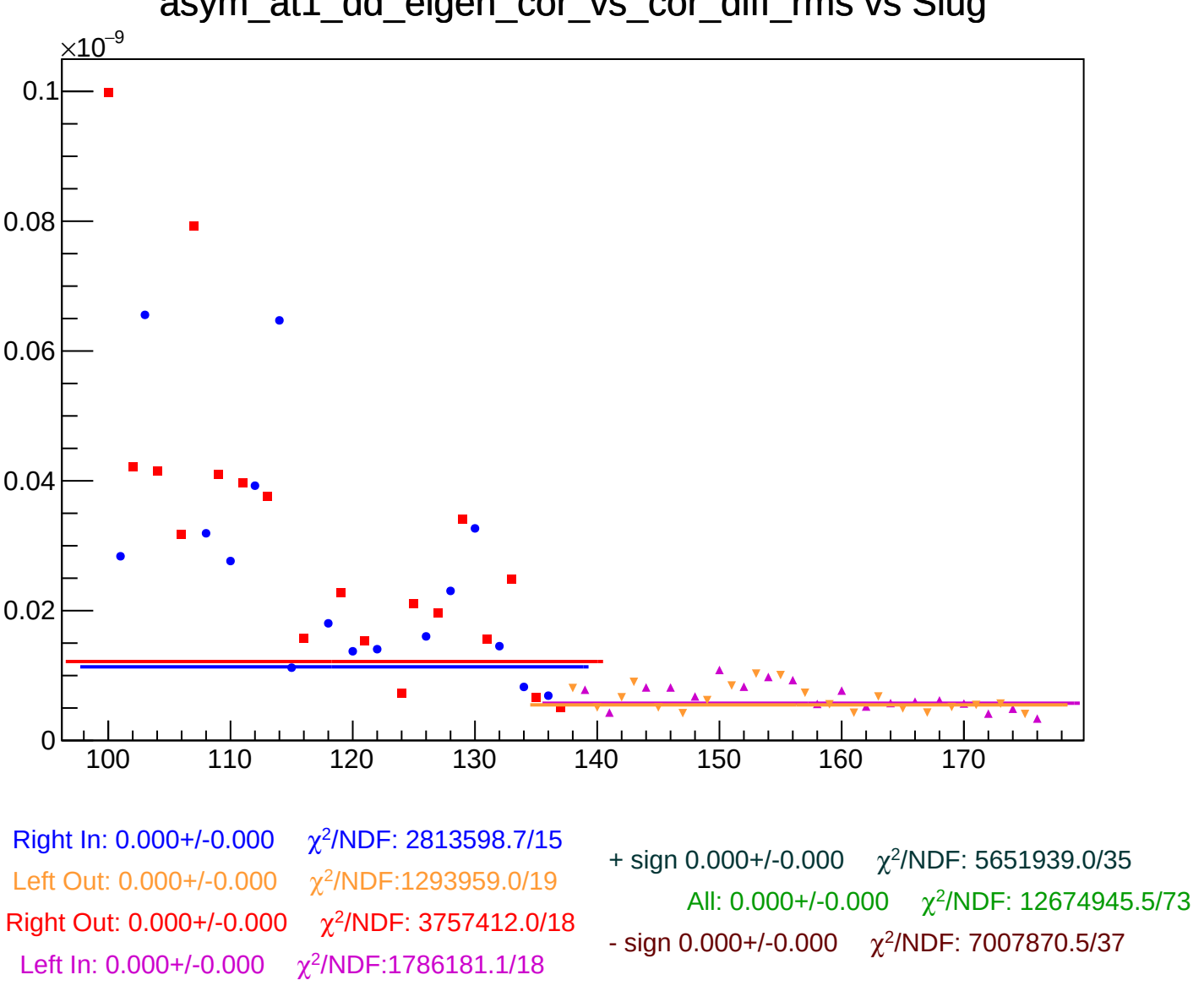
Left In: 32.402+/-0.006 χ^2/NDF:282686.2/18

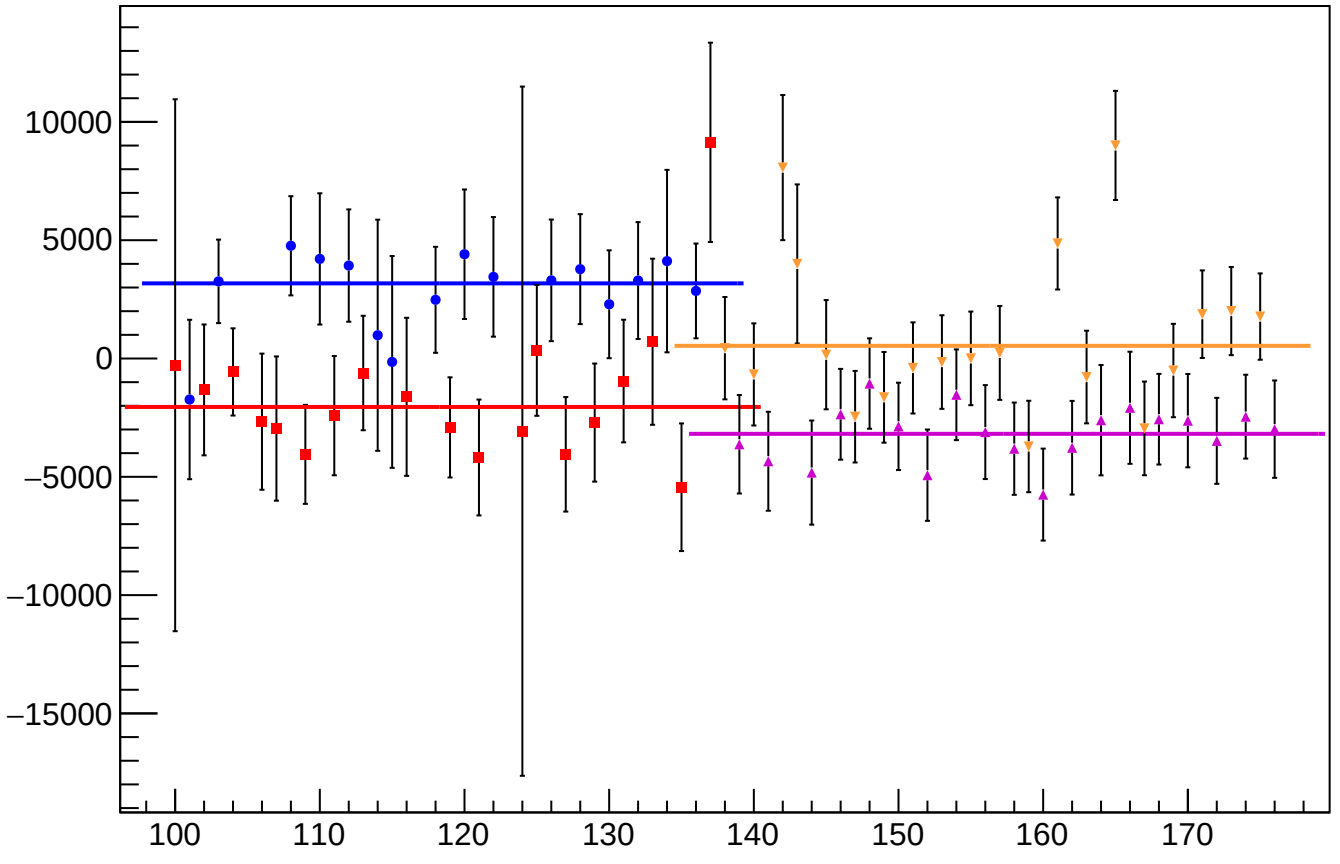
\+ sign 32.632+/-0.005 χ^2/NDF: 3613304.2/35

All: 32.608+/-0.004 χ^2/NDF: 5974223.5/73

\- sign 32.583+/-0.005 χ^2/NDF: 2360879.2/37


asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 19.3/15
Left Out: -0.000+/-0.000 χ²/NDF:18.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 20.8/18
Left In: -0.000+/-0.000 χ²/NDF:6.9/18
+ sign -0.000+/-0.000 χ²/NDF: 38.6/35
All: -0.000+/-0.000 χ²/NDF: 66.4/73
- sign -0.000+/-0.000 χ²/NDF: 27.8/37


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1293959.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:1786181.1/18
+ sign 0.000+/-0.000 χ²/NDF: 5651939.0/35
All: 0.000+/-0.000 χ²/NDF: 12674945.5/73
- sign 0.000+/-0.000 χ²/NDF: 7007870.5/37



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 536.198+/-458.408 χ^2/NDF:40.3/19

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

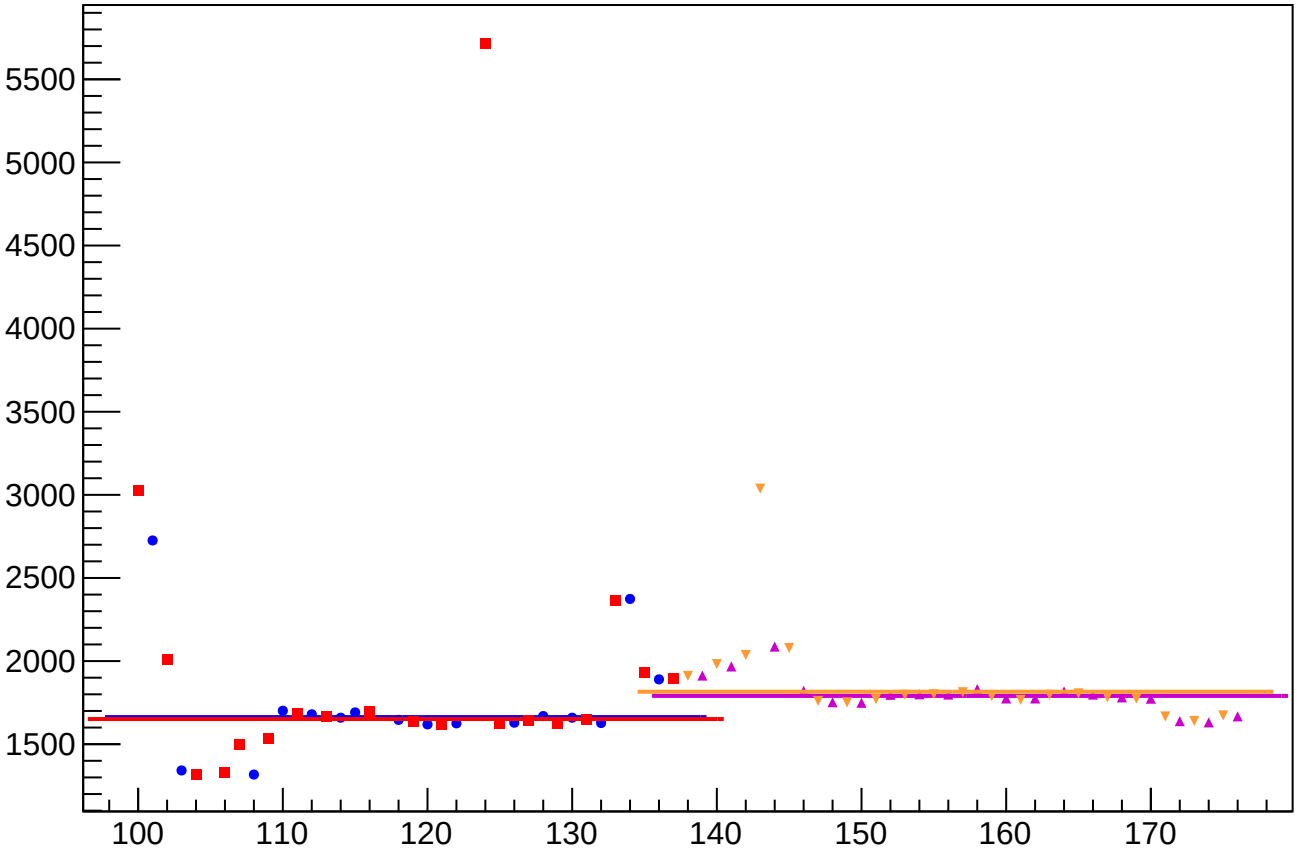
Left In: -3183.489+/-454.931 χ^2/NDF:6.5/18

+ sign 1453.695+/-370.257 χ^2/NDF: 56.1/35

All: -684.916+/-260.686 χ^2/NDF: 145.0/73

- sign -2787.134+/-367.093 χ^2/NDF: 22.7/37

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1815.644+/-0.324 χ^2/NDF:367741.3/19

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

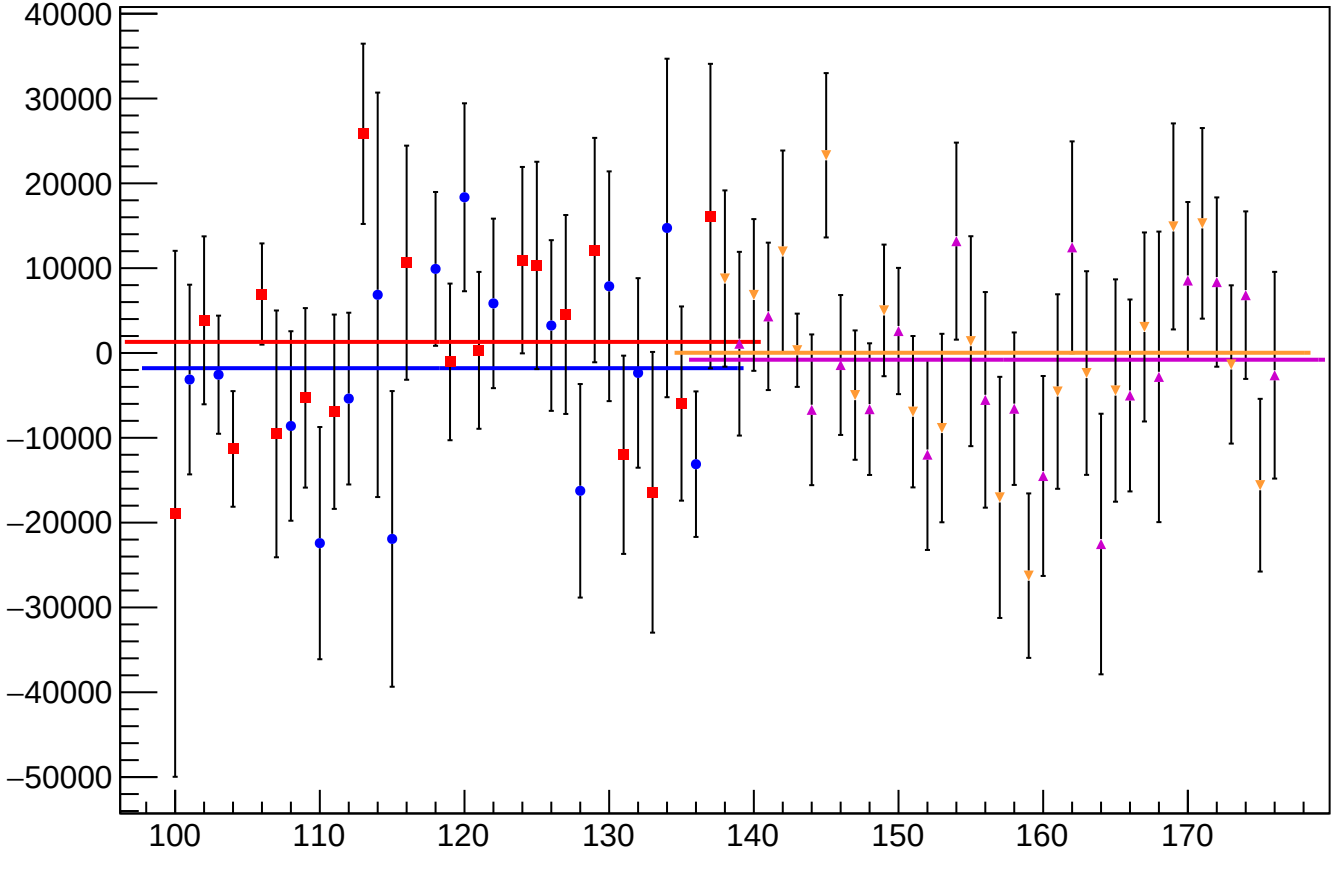
Left In: 1790.352+/-0.322 χ^2/NDF:99037.9/18

+ sign 1762.548+/-0.262 χ^2/NDF: 860558.8/35

All: 1752.109+/-0.184 χ^2/NDF: 1459882.3/73

- sign 1741.848+/-0.260 χ^2/NDF: 596171.0/37

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 25.376+/-2067.563 χ^2/NDF:25.1/19

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

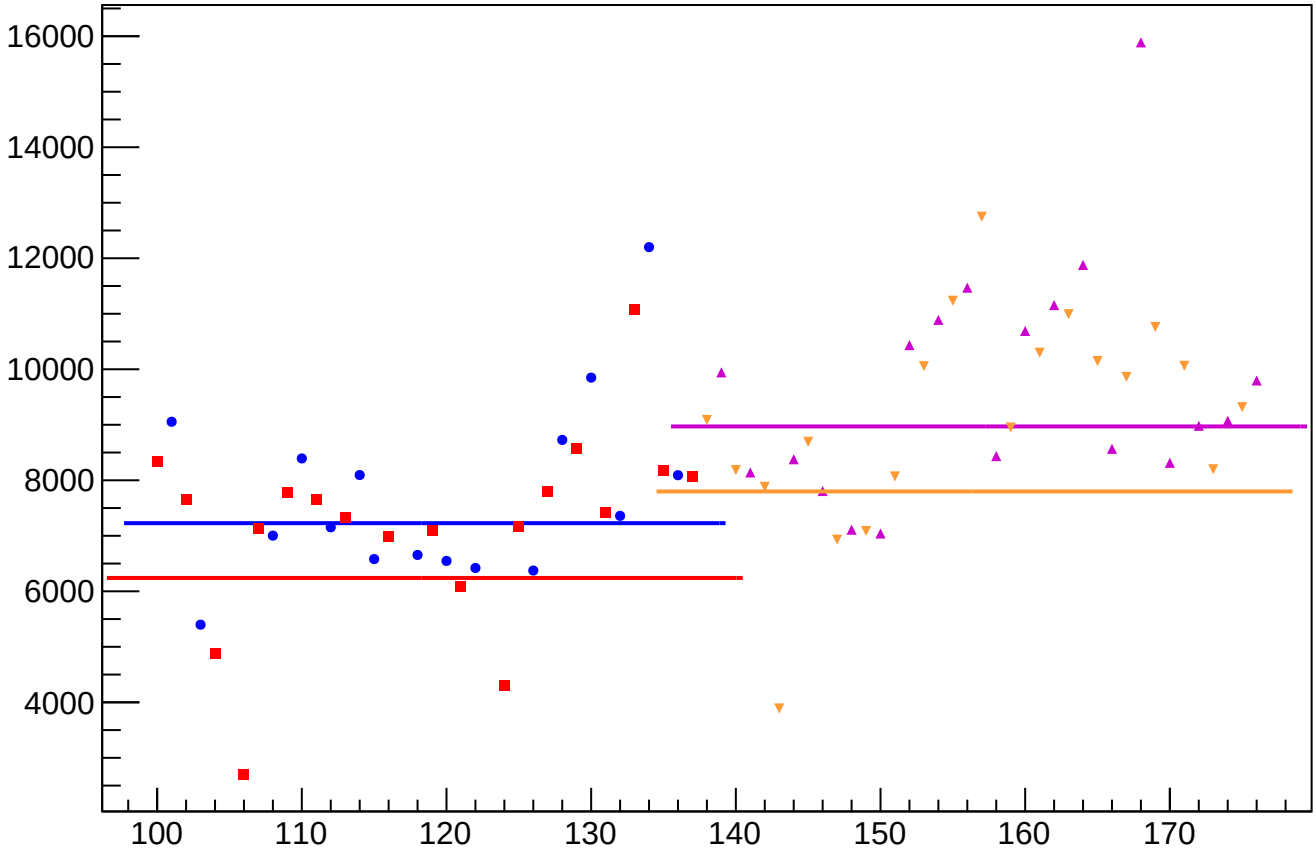
Left In: -795.120+/-2322.029 χ^2/NDF:11.7/18

+ sign -632.533+/-1651.201 χ^2/NDF: 39.7/35

All: -219.312+/-1177.217 χ^2/NDF: 69.6/73

- sign 207.846+/-1678.816 χ^2/NDF: 29.8/37

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 7798.697+/-1.462 χ^2/NDF:2861151.3/19

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

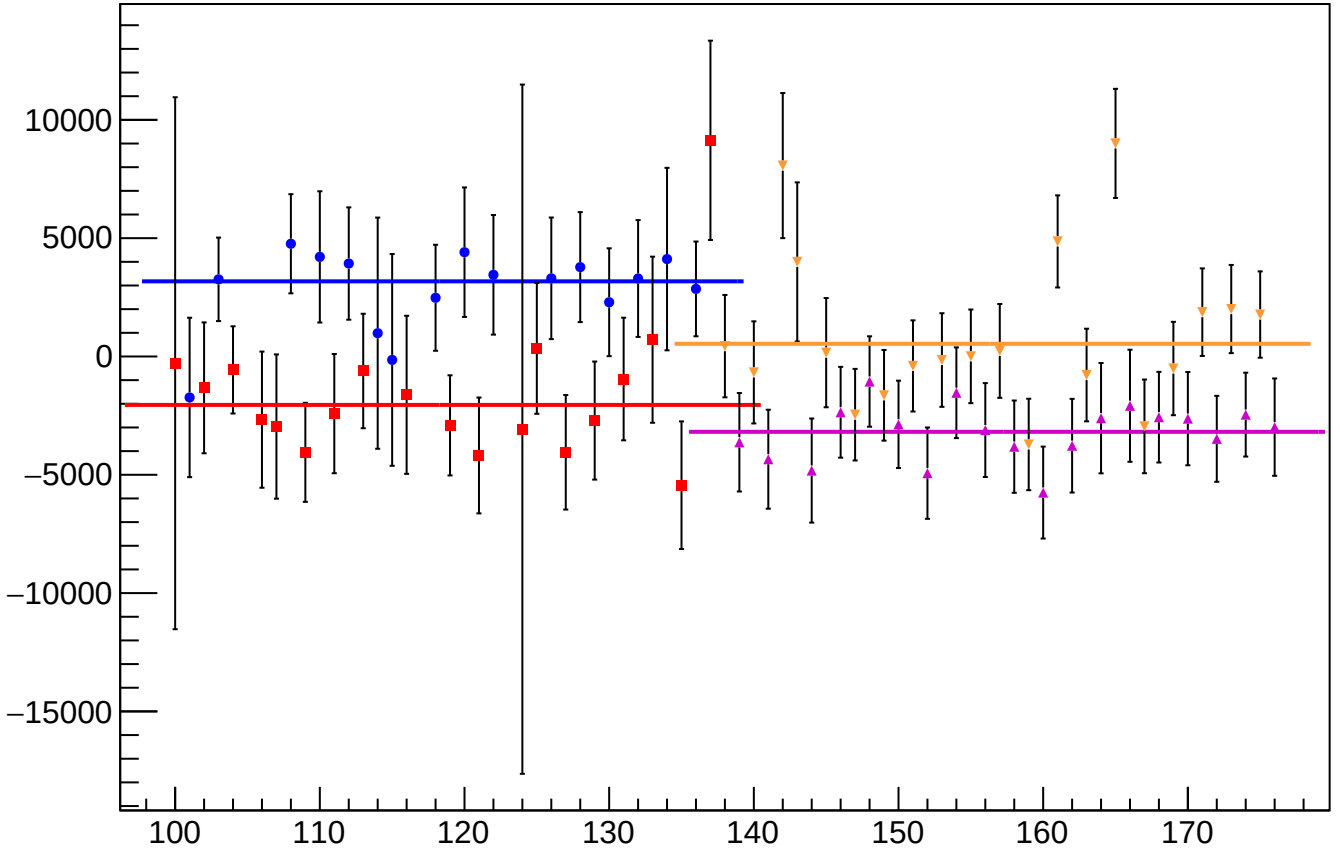
Left In: 8970.052+/-1.642 χ^2/NDF:1029374.8/18

+ sign 7591.840+/-1.168 χ^2/NDF: 3419683.5/35

All: 7628.957+/-0.832 χ^2/NDF: 7169147.5/73

- sign 7667.325+/-1.187 χ^2/NDF: 3747408.8/37

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 536.129+/-458.408 χ^2/NDF:40.3/19

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

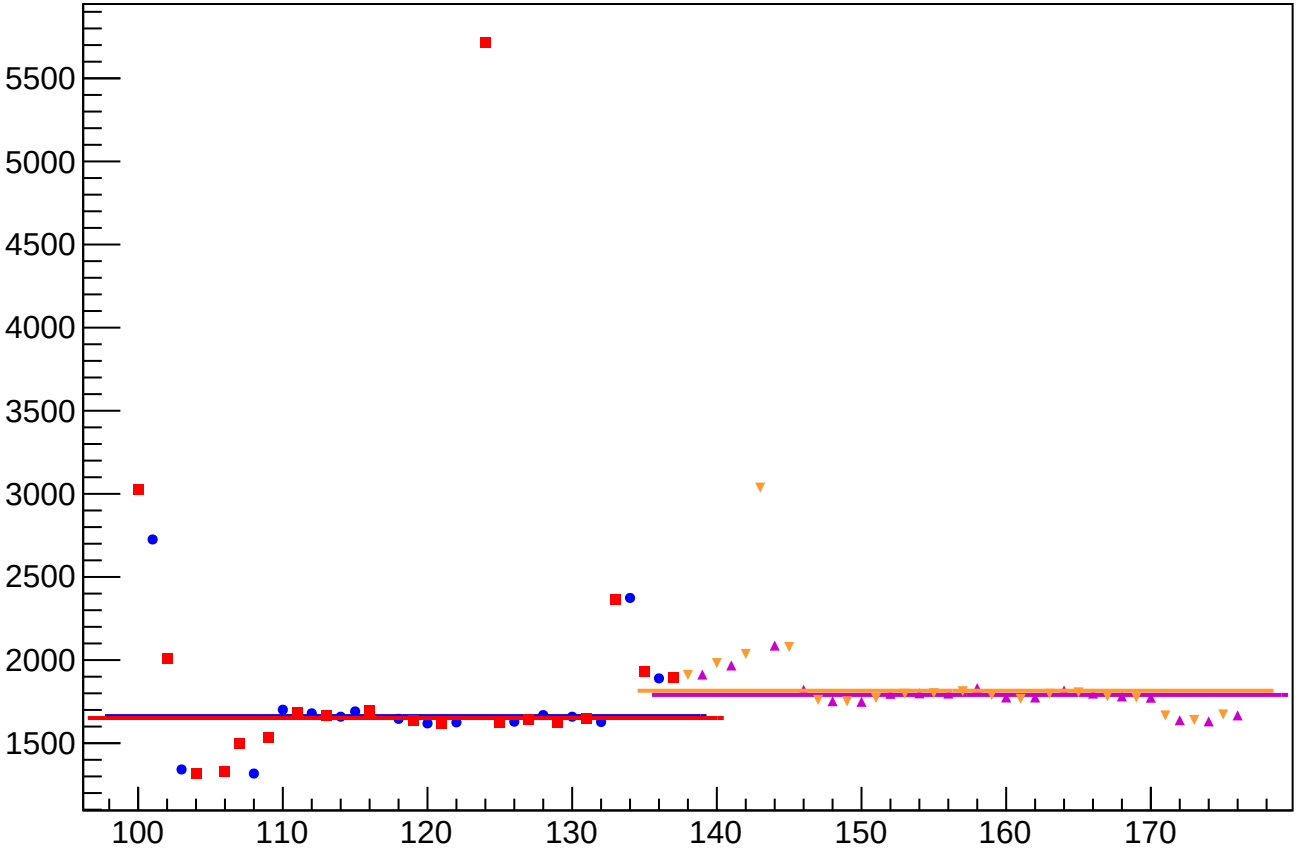
Left In: -3183.445+/-454.931 χ^2/NDF:6.5/18

+ sign 1453.682+/-370.257 χ^2/NDF: 56.1/35

All: -684.874+/-260.686 χ^2/NDF: 145.0/73

- sign -2787.037+/-367.093 χ^2/NDF: 22.7/37

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1815.644+/-0.324 χ^2/NDF:367741.3/19

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

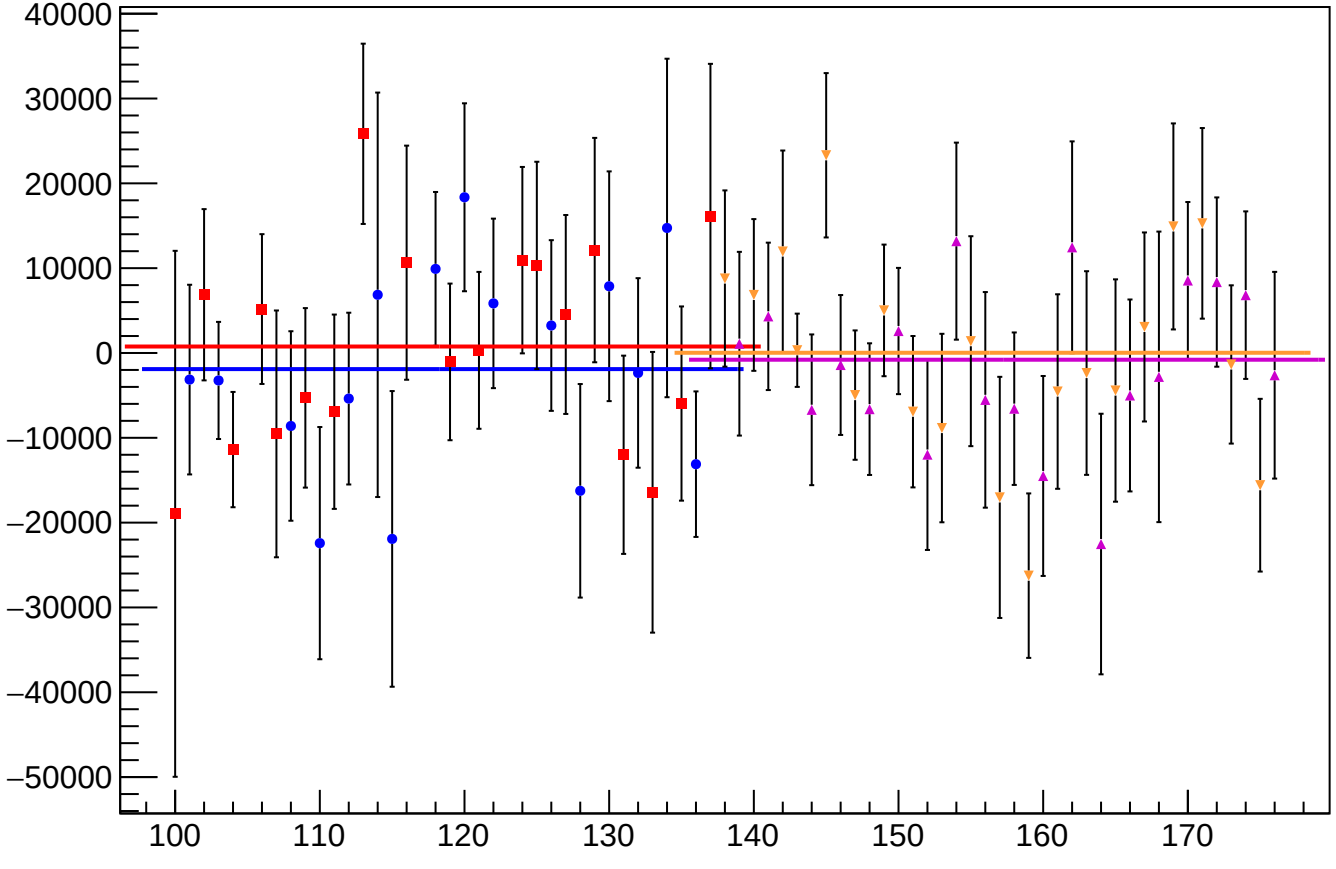
Left In: 1790.353+/-0.322 χ^2/NDF:99037.9/18

+ sign 1762.548+/-0.262 χ^2/NDF: 860559.3/35

All: 1752.109+/-0.184 χ^2/NDF: 1459883.1/73

- sign 1741.848+/-0.260 χ^2/NDF: 596171.2/37

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 25.306+/-2067.558 χ^2/NDF:25.1/19

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

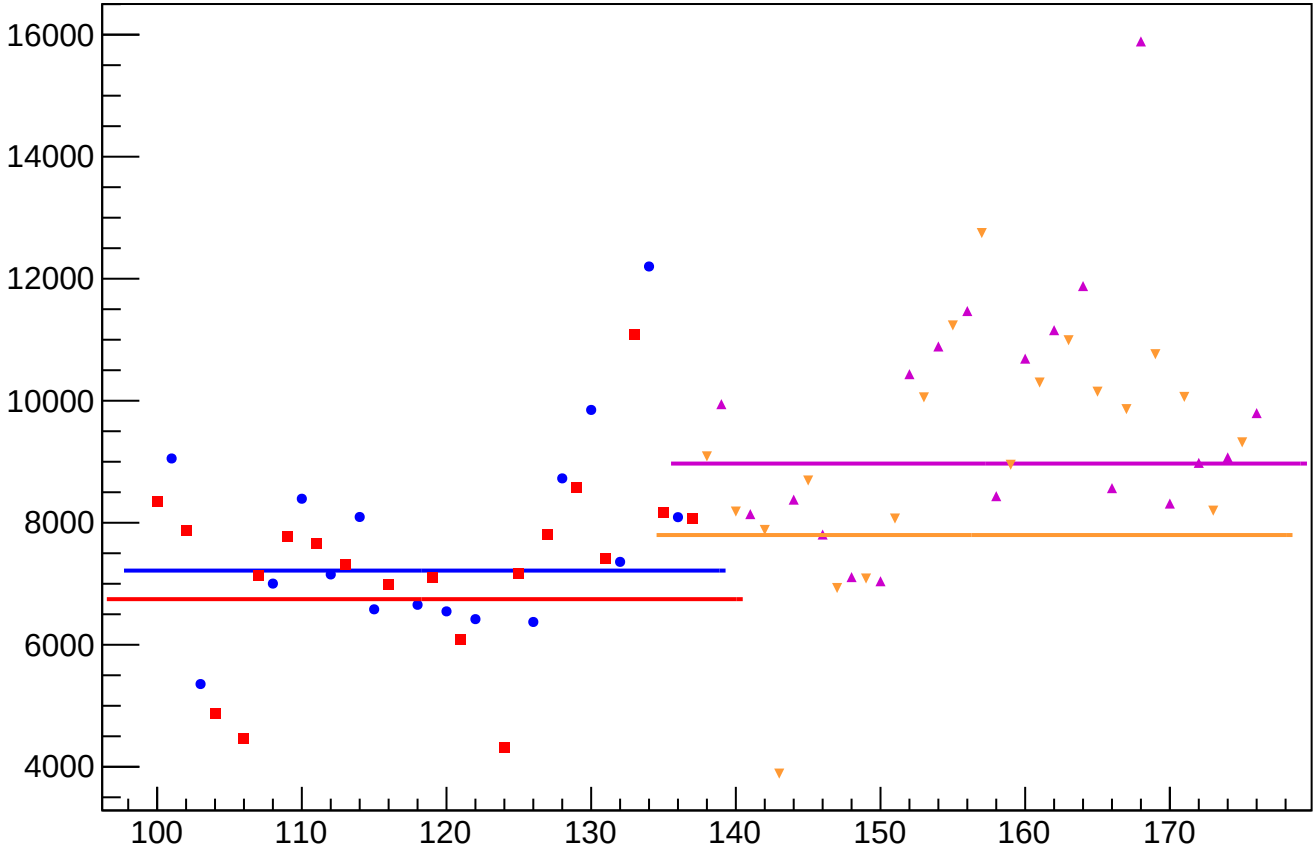
Left In: -795.210+/-2322.027 χ^2/NDF:11.7/18

+ sign -673.278+/-1650.398 χ^2/NDF: 39.7/35

All: -392.696+/-1189.808 χ^2/NDF: 69.0/73

- sign -89.062+/-1716.854 χ^2/NDF: 29.2/37

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7798.667+/-1.462 χ^2/NDF:2861218.3/19

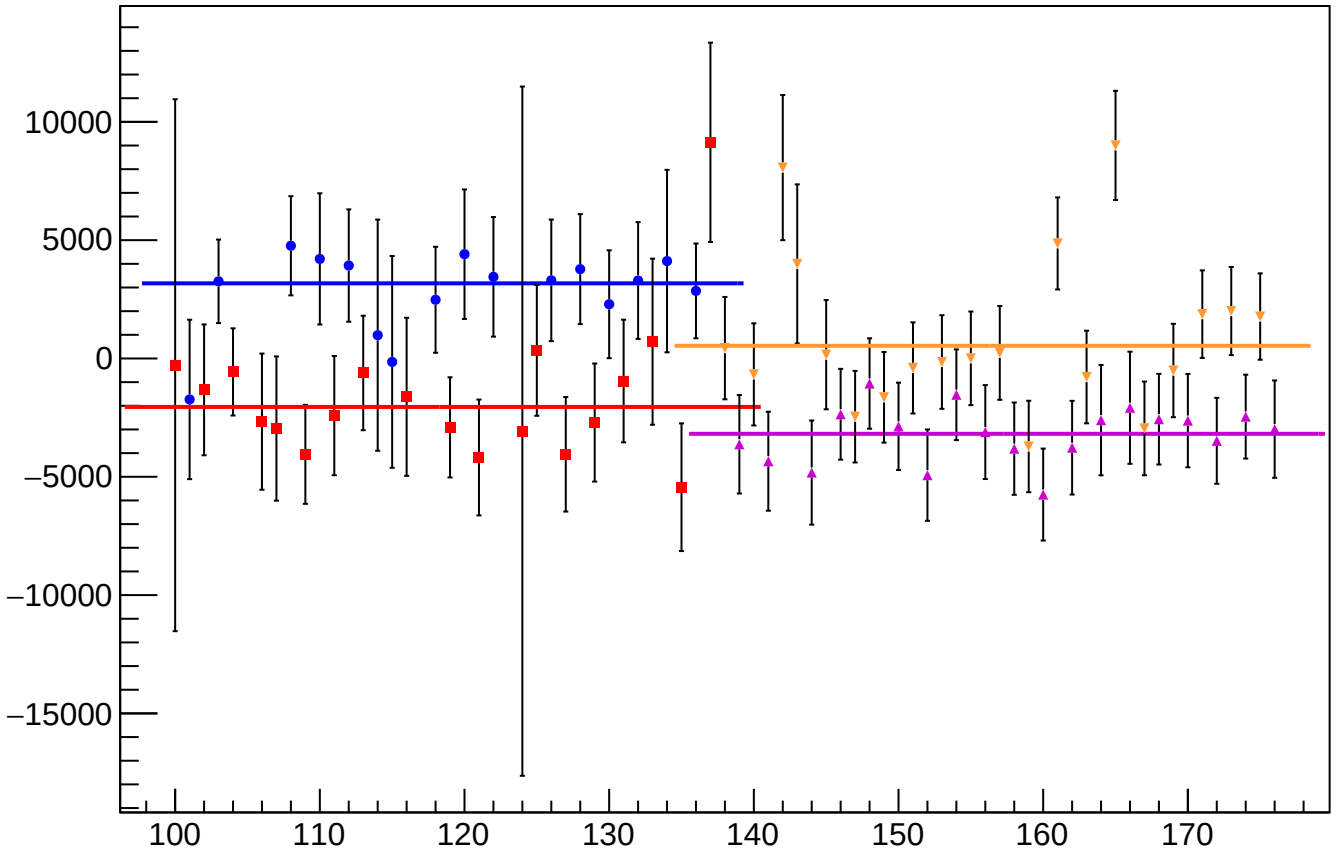
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8970.046+/-1.642 χ^2/NDF:1029379.3/18

\+ sign 7587.274+/-1.167 χ^2/NDF: 3430968.5/35

All: 7767.545+/-0.841 χ^2/NDF: 6049269.0/73

\- sign 7962.626+/-1.214 χ^2/NDF: 2568616.6/37



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 536.129+/-458.408 χ^2/NDF:40.3/19

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

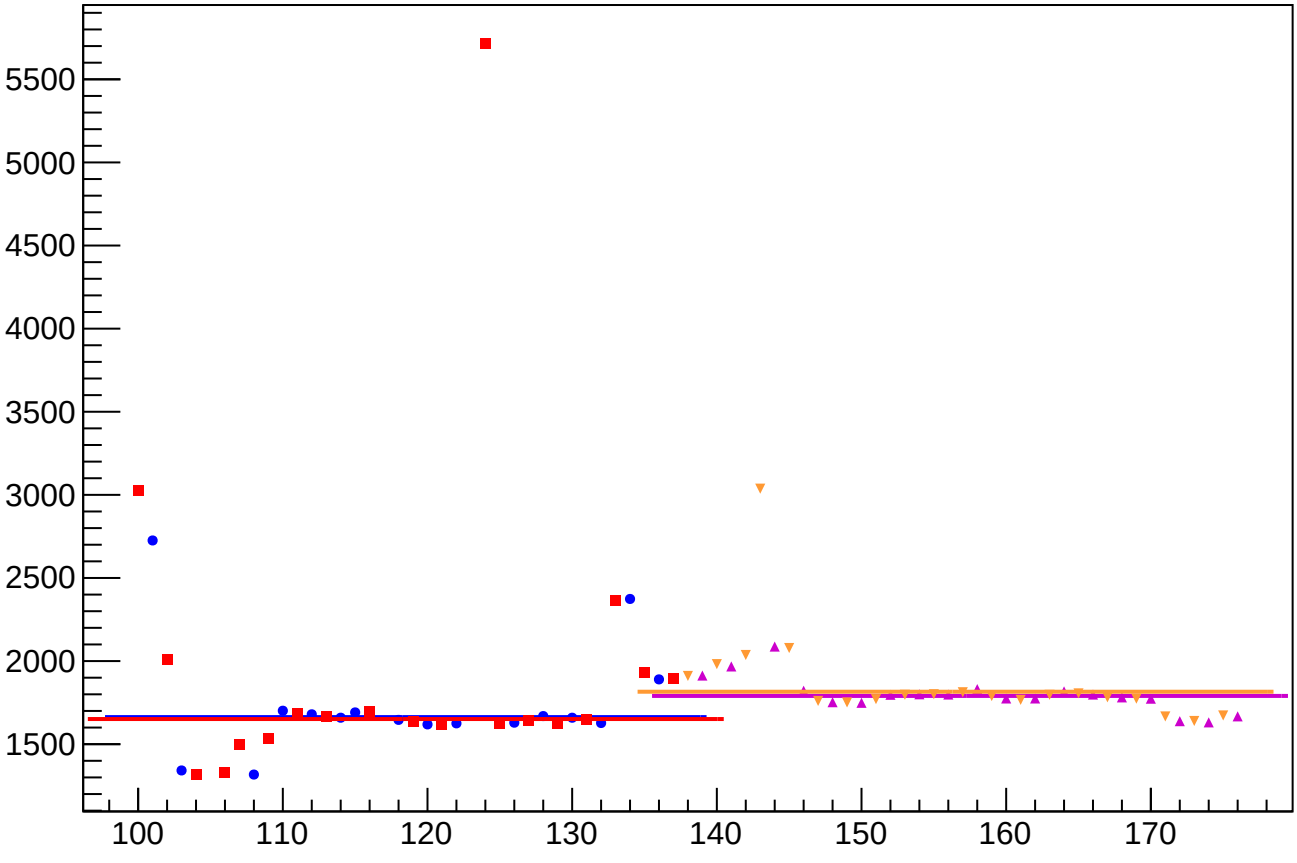
Left In: -3183.445+/-454.931 χ^2/NDF:6.5/18

+ sign 1453.682+/-370.257 χ^2/NDF: 56.1/35

All: -684.874+/-260.686 χ^2/NDF: 145.0/73

- sign -2787.037+/-367.093 χ^2/NDF: 22.7/37

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1815.644+/-0.324 χ^2/NDF:367741.3/19

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

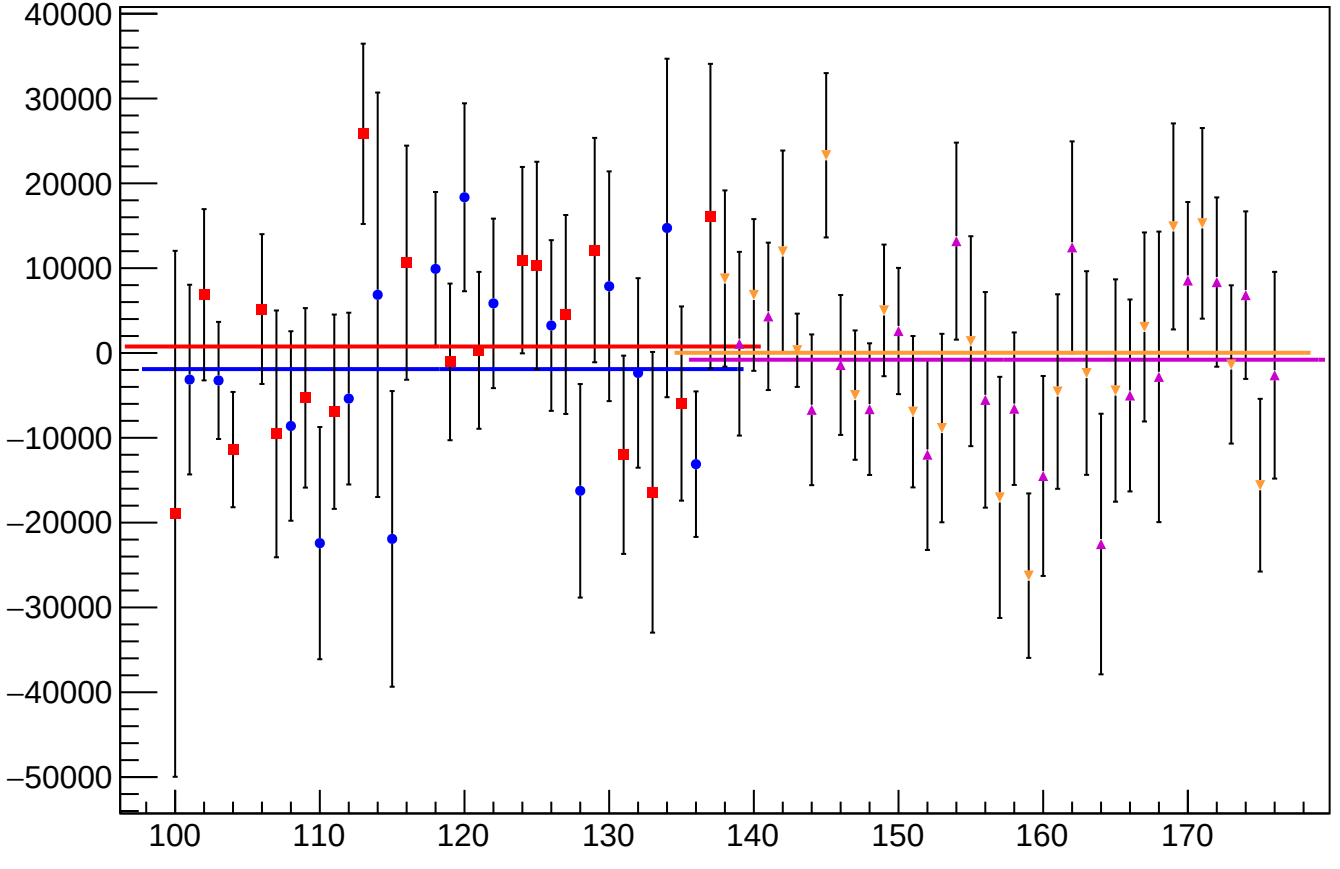
Left In: 1790.353+/-0.322 χ^2/NDF:99037.9/18

+ sign 1762.548+/-0.262 χ^2/NDF: 860559.3/35

All: 1752.109+/-0.184 χ^2/NDF: 1459883.1/73

- sign 1741.848+/-0.260 χ^2/NDF: 596171.2/37

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 25.306+/-2067.558 χ^2/NDF:25.1/19

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

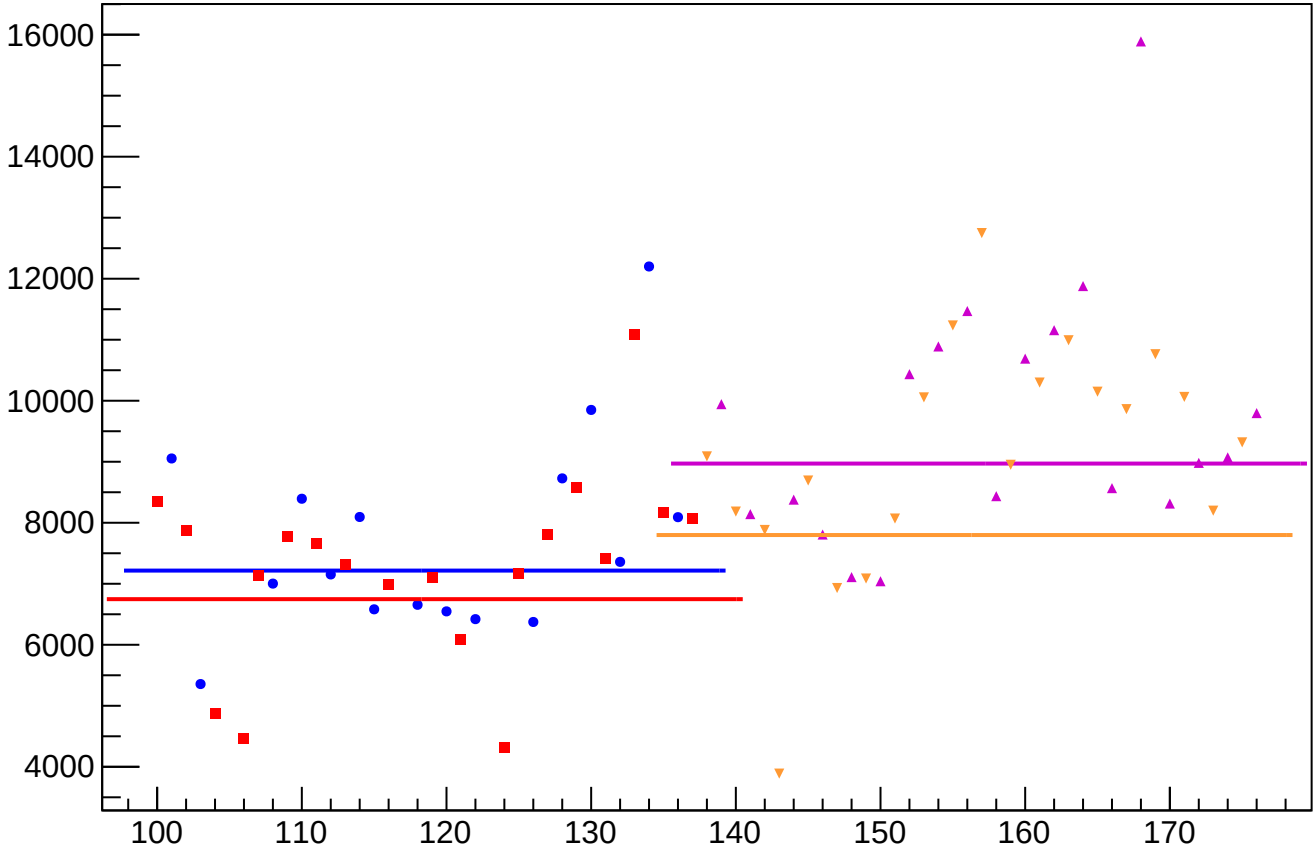
Left In: -795.210+/-2322.027 χ^2/NDF:11.7/18

+ sign -673.278+/-1650.398 χ^2/NDF: 39.7/35

All: -392.696+/-1189.808 χ^2/NDF: 69.0/73

- sign -89.062+/-1716.854 χ^2/NDF: 29.2/37

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7798.667+/-1.462 χ^2/NDF:2861218.3/19

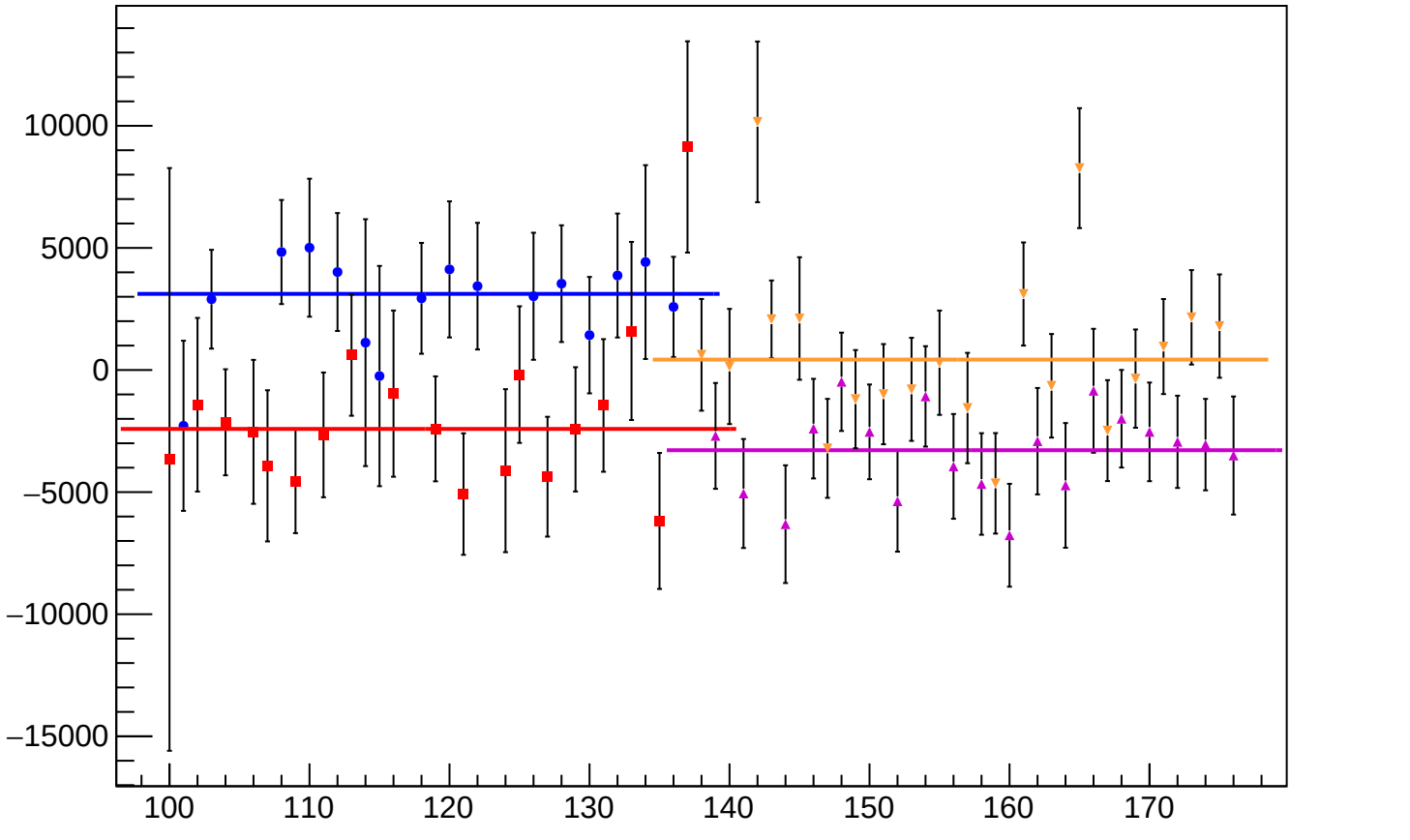
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8970.046+/-1.642 χ^2/NDF:1029379.3/18

\+ sign 7587.274+/-1.167 χ^2/NDF: 3430968.5/35

All: 7767.545+/-0.841 χ^2/NDF: 6049269.0/73

\- sign 7962.626+/-1.214 χ^2/NDF: 2568616.6/37



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 426.490+/-472.892 χ^2/NDF:37.3/19

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

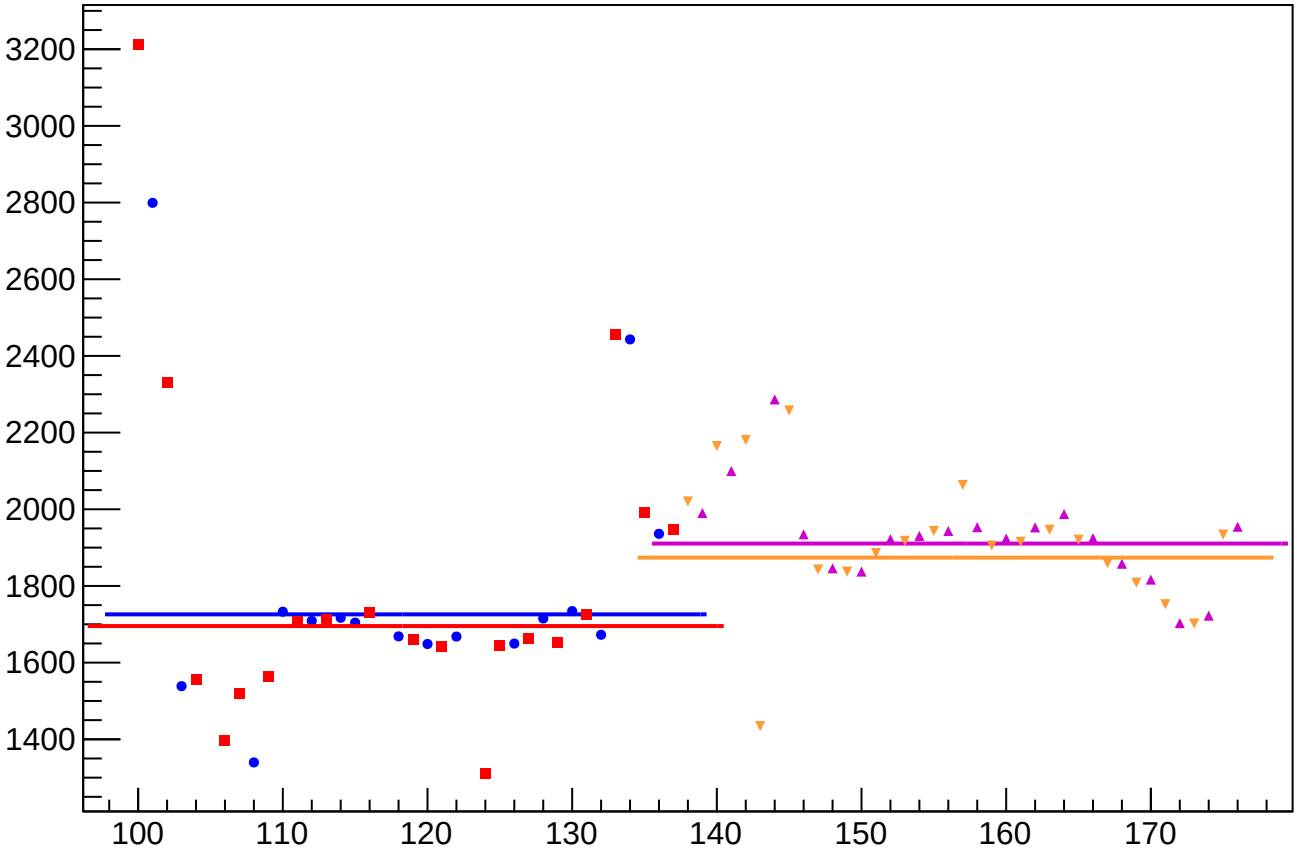
Left In: -3284.213+/-485.881 χ^2/NDF:11.9/18

+ sign 1355.897+/-382.626 χ^2/NDF: 53.8/35

All: -781.191+/-272.012 χ^2/NDF: 145.9/73

- sign -2964.858+/-386.774 χ^2/NDF: 29.1/37

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1873.915+/-0.334 χ^2/NDF:305842.3/19

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

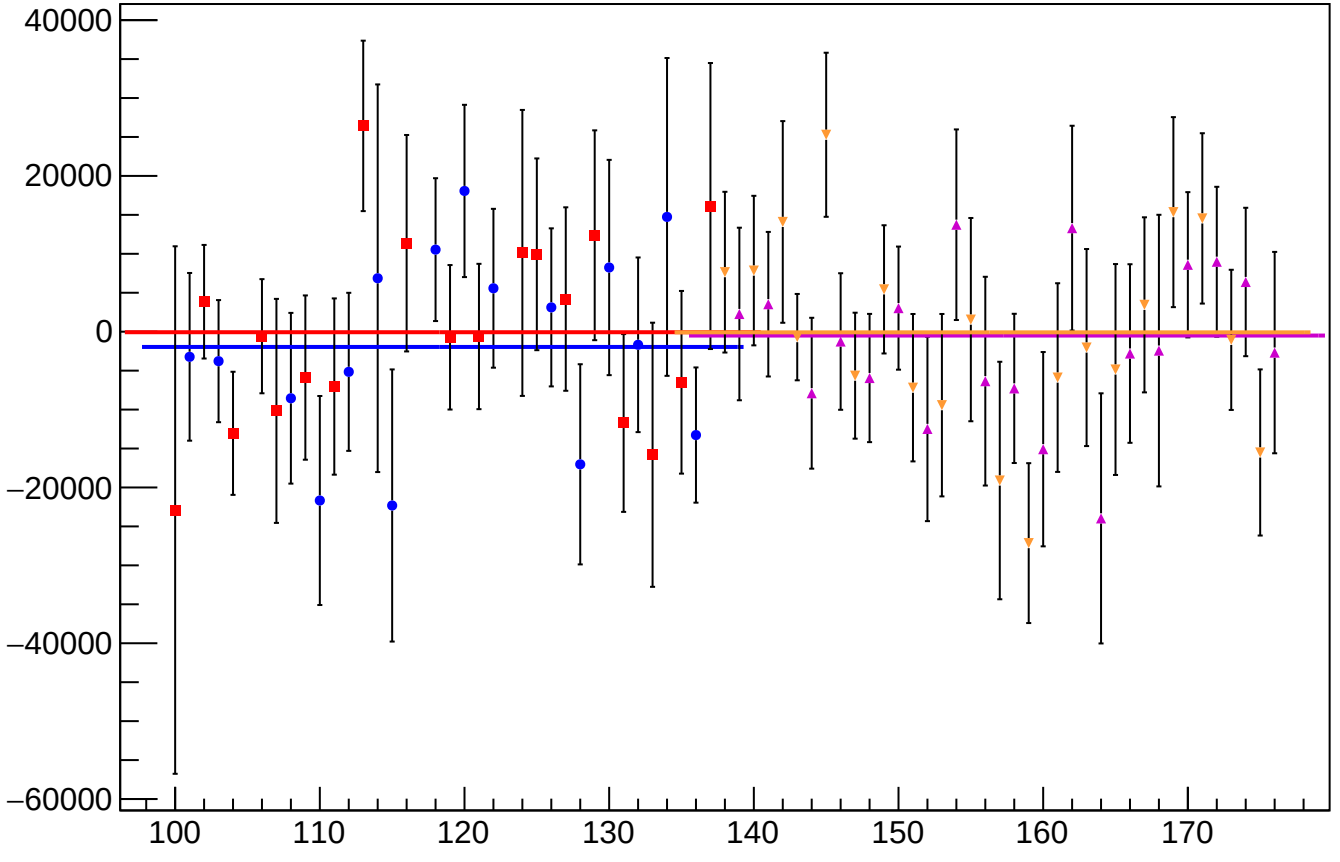
Left In: 1910.572+/-0.344 χ^2/NDF:125904.3/18

+ sign 1822.805+/-0.271 χ^2/NDF: 739133.5/35

All: 1827.207+/-0.192 χ^2/NDF: 1294970.3/73

- sign 1831.703+/-0.273 χ^2/NDF: 555301.7/37

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -82.951+/-2243.853 χ^2/NDF:24.9/19

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

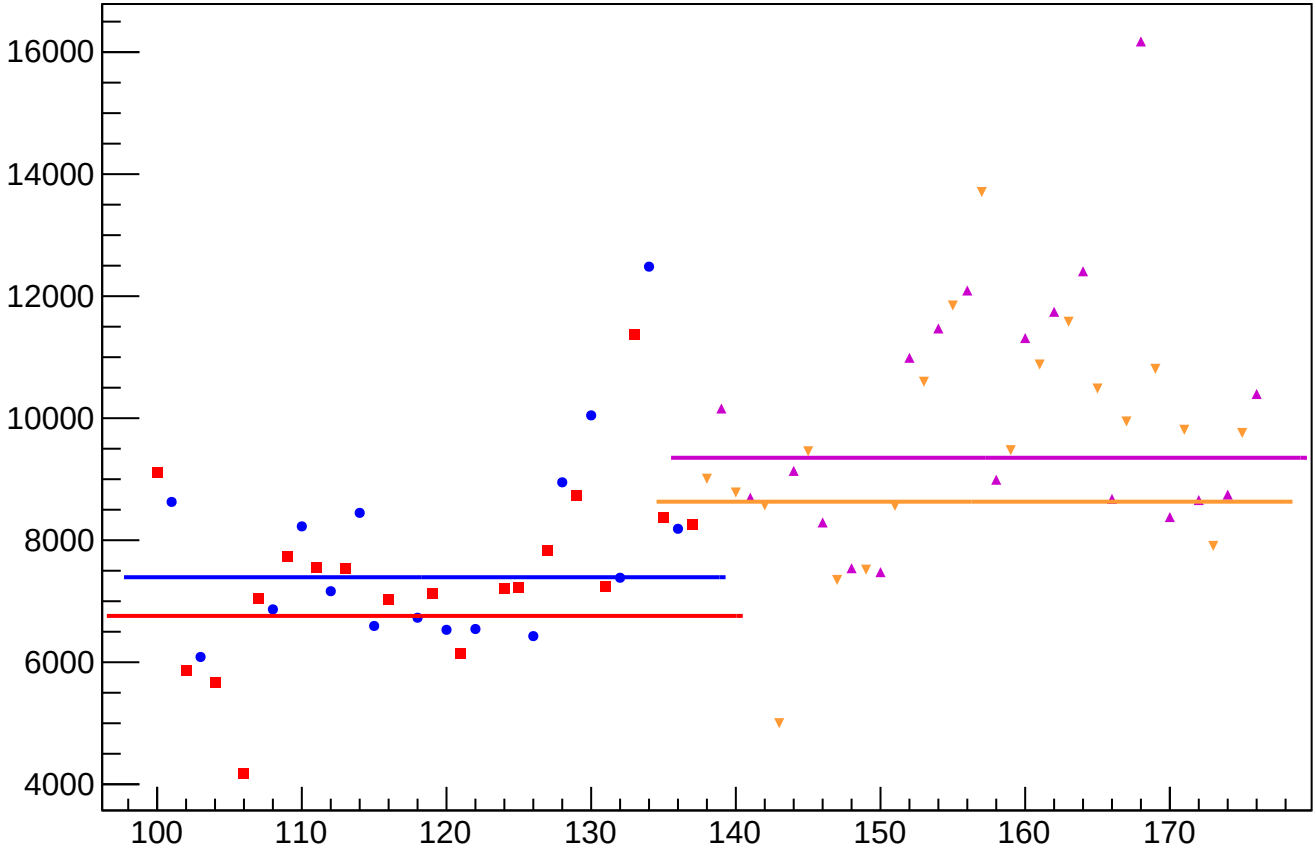
Left In: -495.451+/-2419.834 χ^2/NDF:11.7/18

+ sign -816.970+/-1750.565 χ^2/NDF: 39.5/35

All: -553.821+/-1237.132 χ^2/NDF: 67.4/73

- sign -291.269+/-1748.574 χ^2/NDF: 27.8/37

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8631.660+/-1.587 χ^2/NDF:1738369.2/19

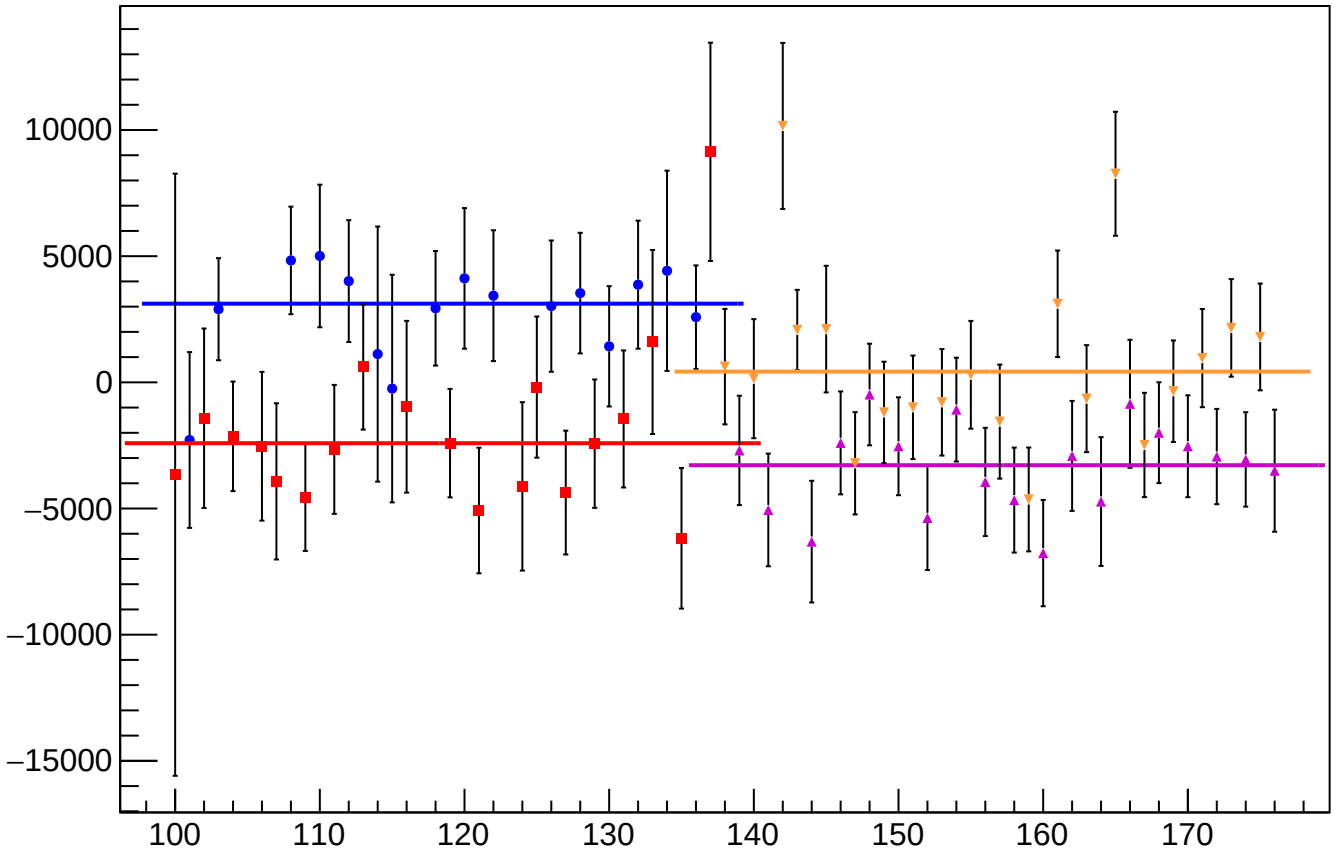
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9351.392+/-1.711 χ^2/NDF:999639.2/18

+ sign 8147.154+/-1.238 χ^2/NDF: 2378468.6/35

All: 8129.971+/-0.875 χ^2/NDF: 5119278.4/73

- sign 8112.827+/-1.236 χ^2/NDF: 2740424.8/37



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 426.482+/-472.893 χ^2/NDF:37.3/19

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

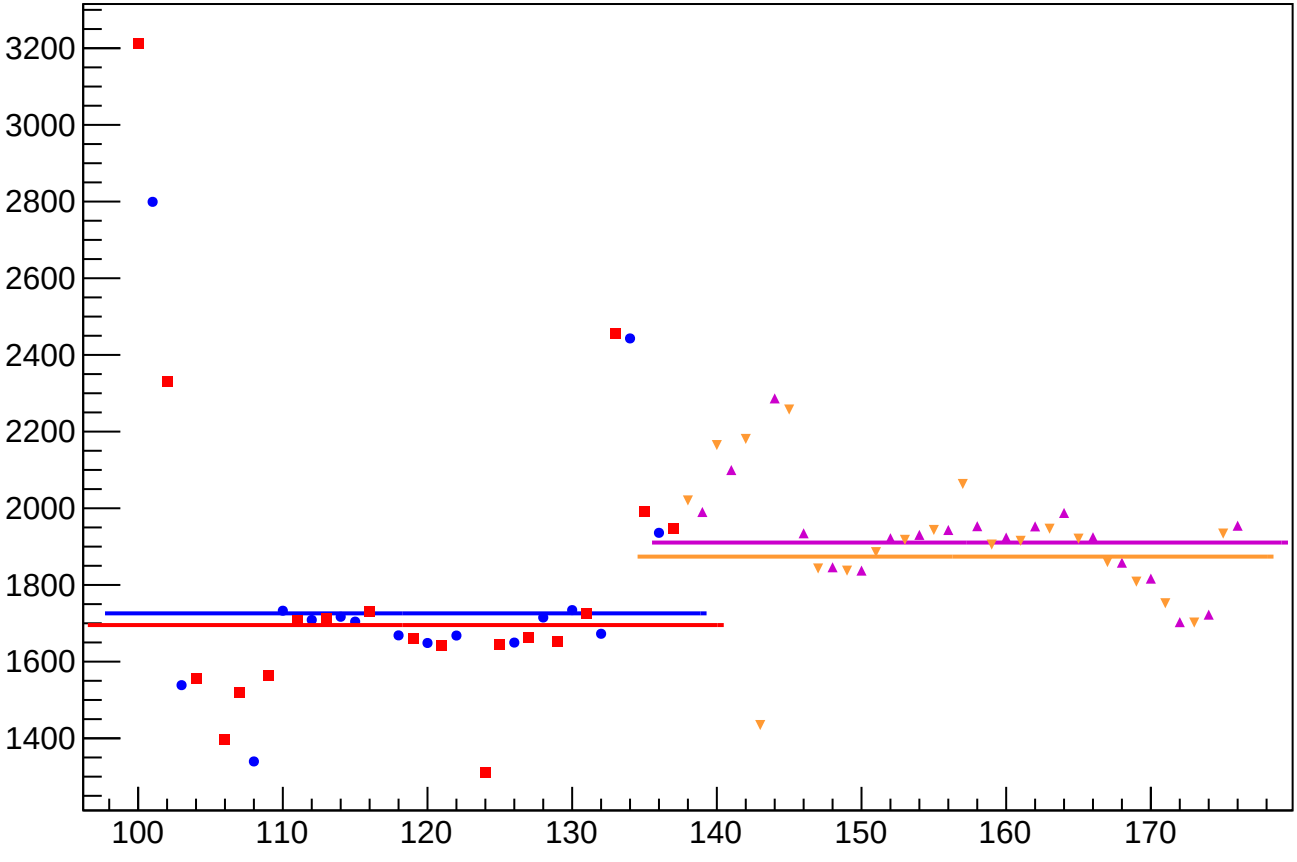
Left In: -3284.215+/-485.881 χ^2/NDF:11.9/18

+ sign 1355.894+/-382.627 χ^2/NDF: 53.8/35

All: -781.193+/-272.012 χ^2/NDF: 145.9/73

- sign -2964.861+/-386.774 χ^2/NDF: 29.1/37

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1873.917+/-0.334 χ^2/NDF:305846.7/19

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

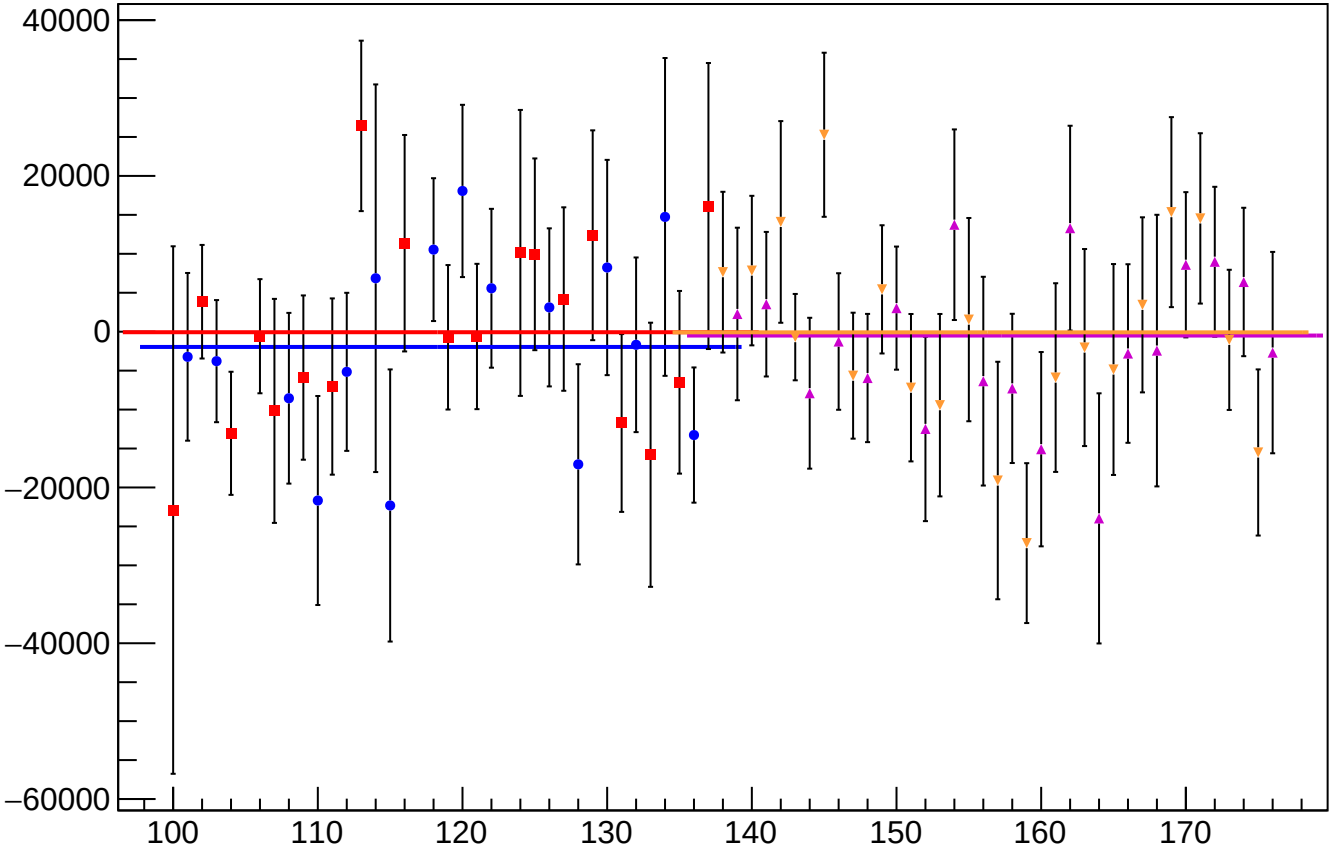
Left In: 1910.574+/-0.344 χ^2/NDF:125908.8/18

+ sign 1822.806+/-0.271 χ^2/NDF: 739140.1/35

All: 1827.208+/-0.192 χ^2/NDF: 1294985.1/73

- sign 1831.704+/-0.273 χ^2/NDF: 555310.0/37

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -82.958+/-2243.857 χ^2/NDF:24.9/19

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

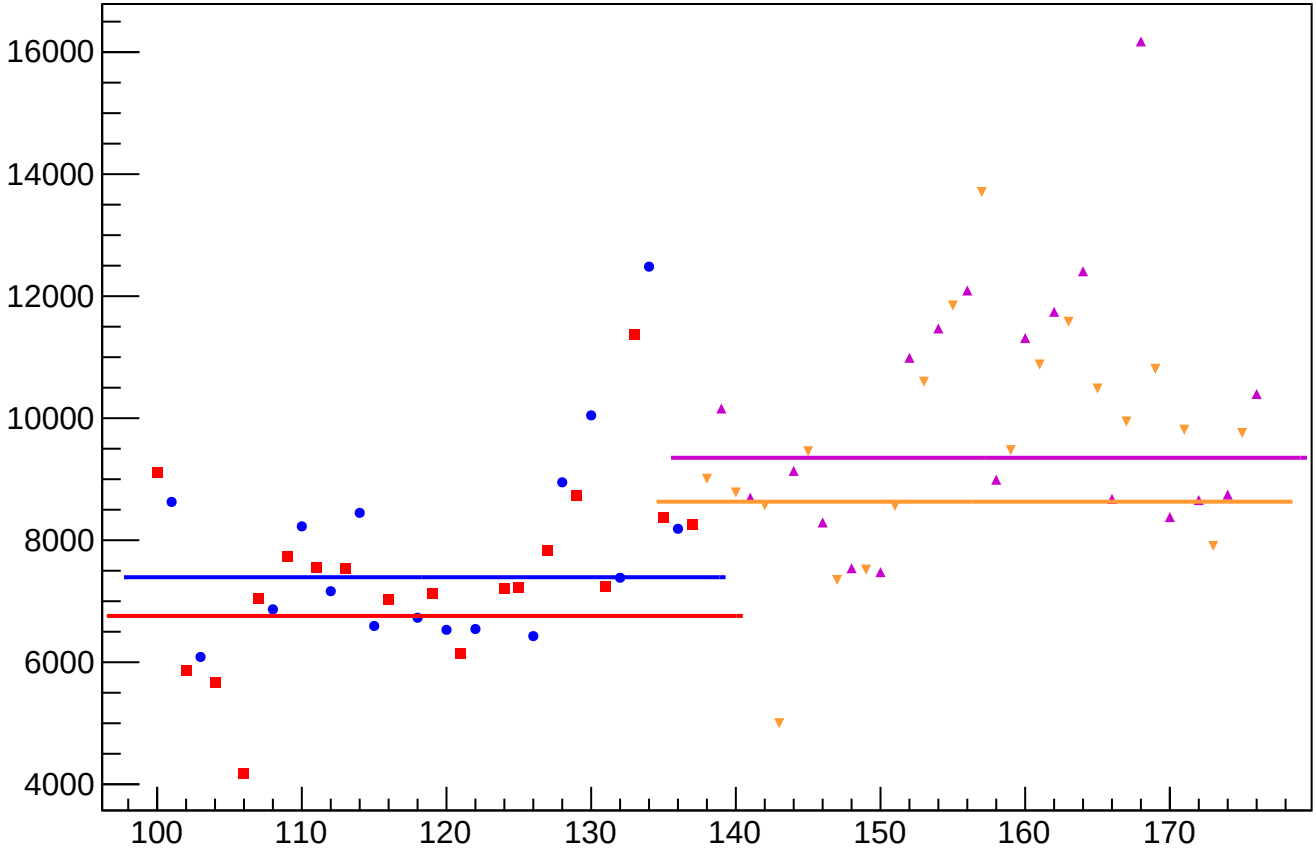
Left In: -495.449+/-2419.838 χ^2/NDF:11.7/18

+ sign -816.970+/-1750.565 χ^2/NDF: 39.5/35

All: -553.821+/-1237.132 χ^2/NDF: 67.4/73

- sign -291.271+/-1748.574 χ^2/NDF: 27.8/37

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8631.674+/-1.587 χ^2/NDF:1738369.3/19

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

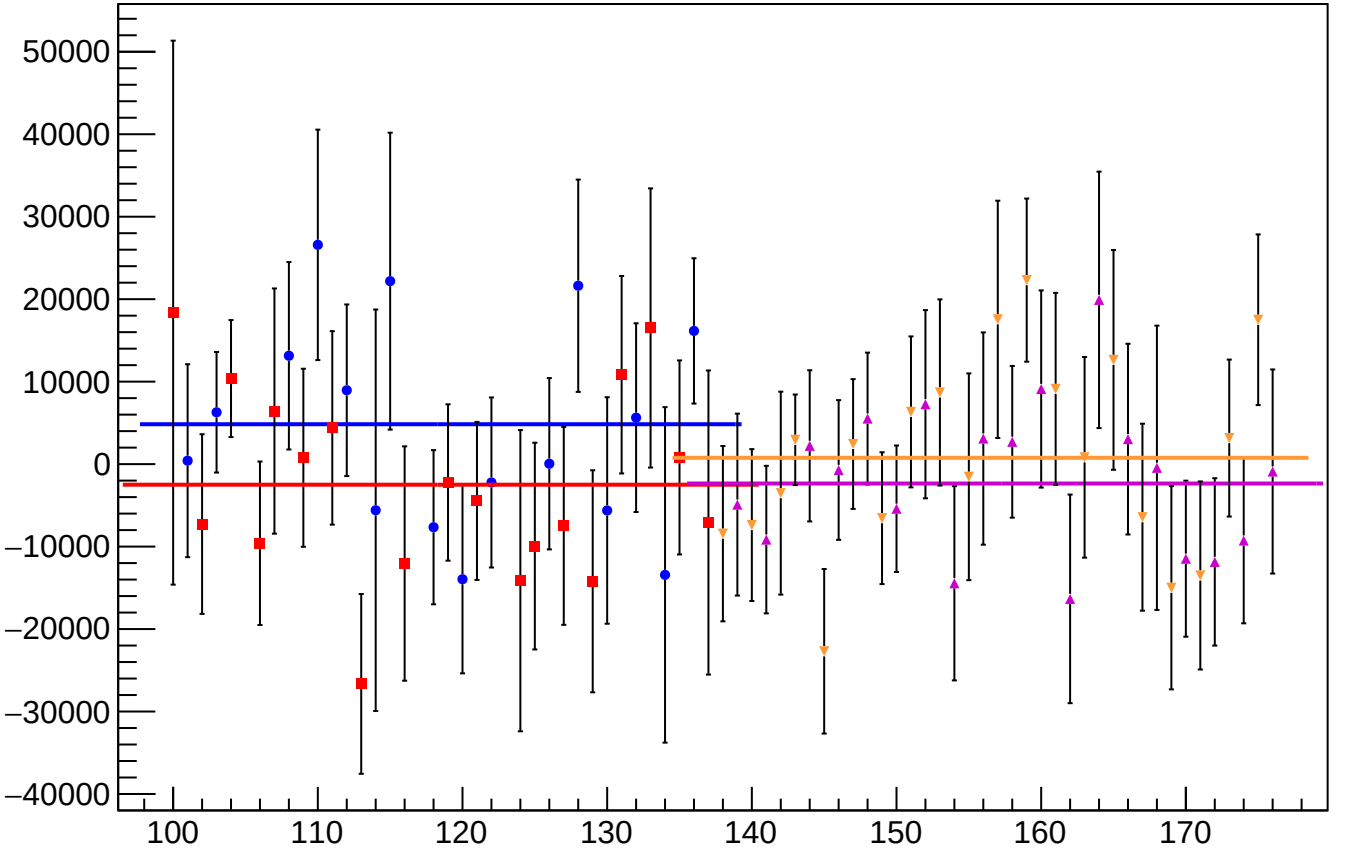
Left In: 9351.406+/-1.711 χ^2/NDF:999641.2/18

+ sign 8147.154+/-1.238 χ^2/NDF: 2378483.5/35

All: 8129.969+/-0.875 χ^2/NDF: 5119318.9/73

- sign 8112.823+/-1.236 χ^2/NDF: 2740450.4/37

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 767.385+/-2205.008 χ^2/NDF:22.8/19

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

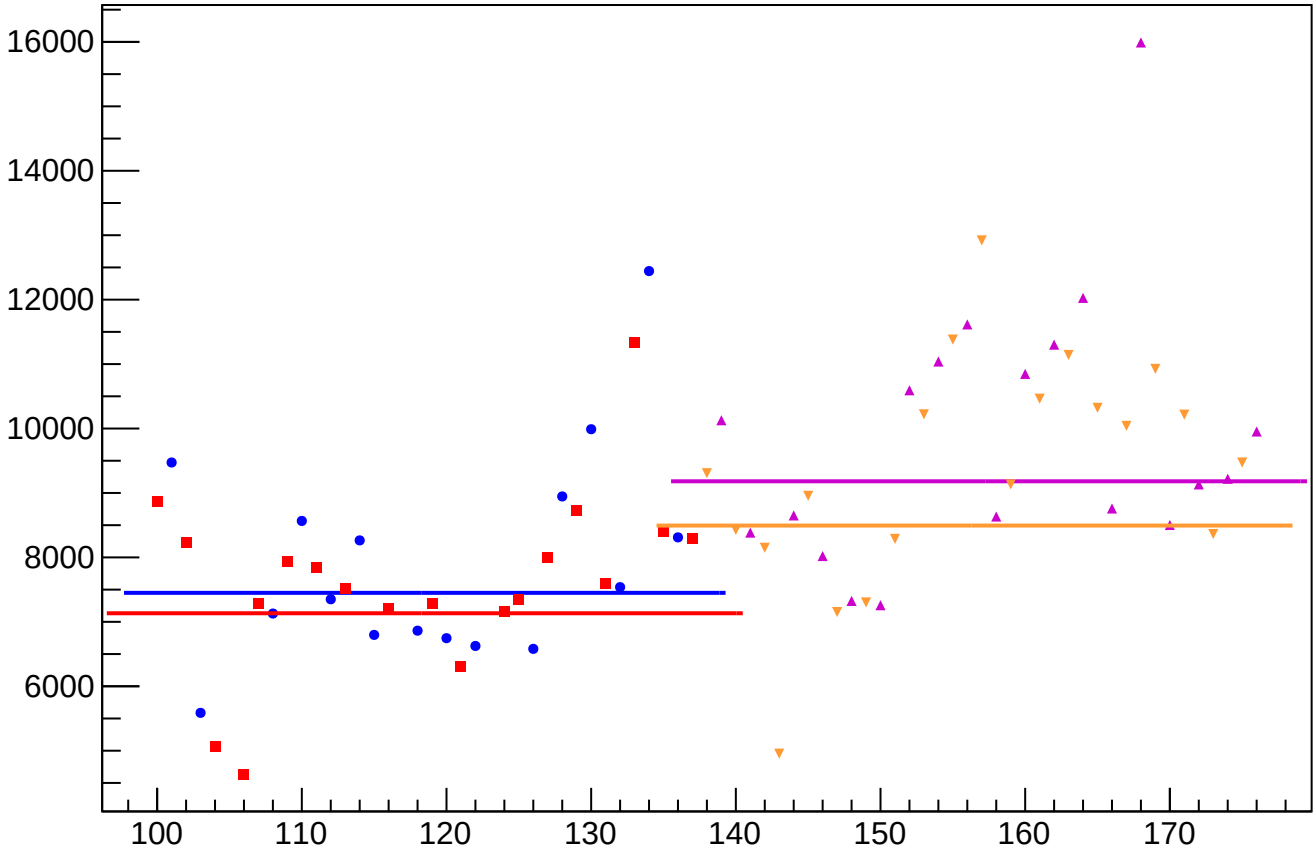
Left In: -2352.565+/-2373.469 χ^2/NDF:11.0/18

\+ sign 2305.742+/-1739.115 χ^2/NDF: 38.4/35

All: 1.910+/-1244.399 χ^2/NDF: 68.0/73

\- sign -2415.138+/-1781.336 χ^2/NDF: 25.9/37

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8494.247+/-1.559 χ^2/NDF:1671633.4/19

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

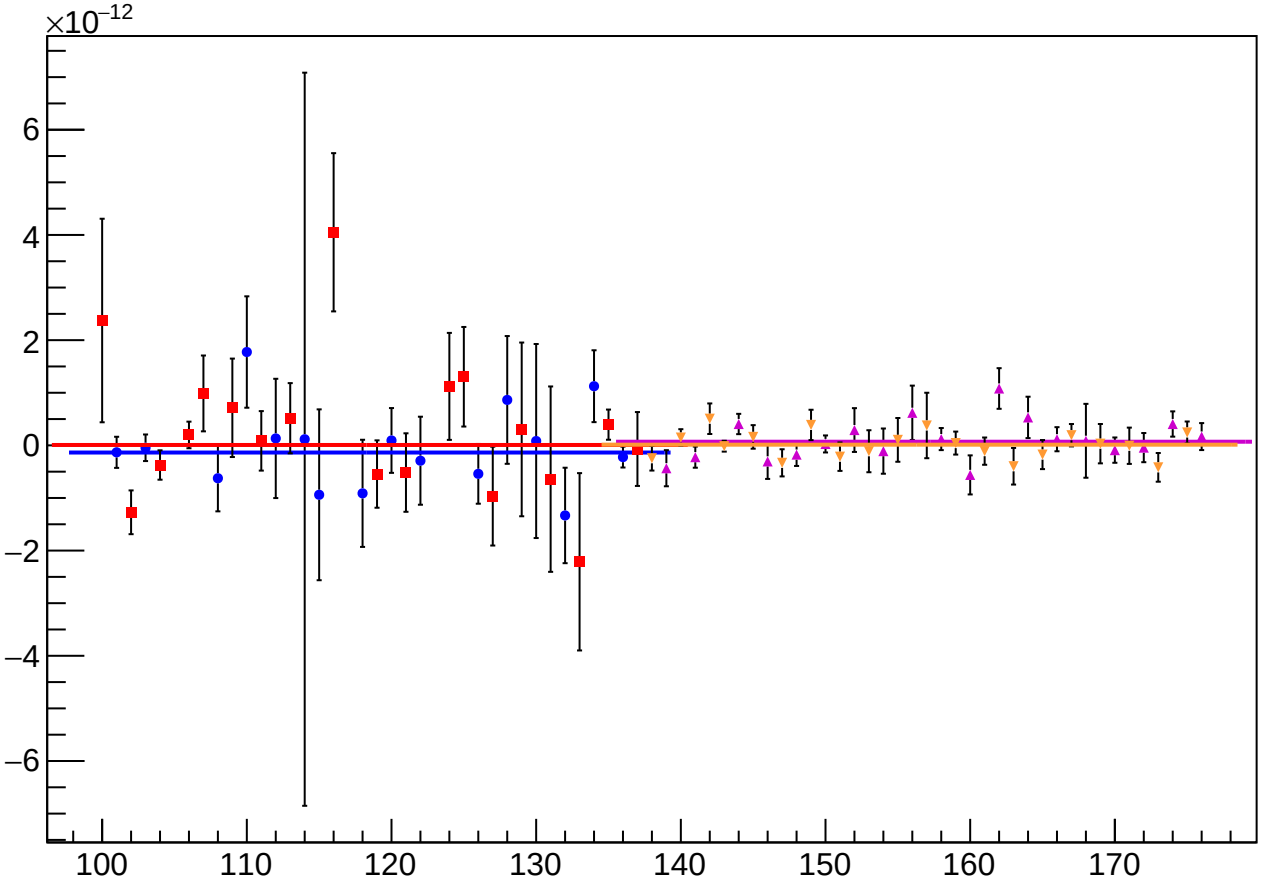
Left In: 9181.153+/-1.678 χ^2/NDF:962642.3/18

\+ sign 8099.581+/-1.230 χ^2/NDF: 2327592.2/35

All: 8190.881+/-0.880 χ^2/NDF: 4508916.3/73

\- sign 8286.663+/-1.260 χ^2/NDF: 2170029.2/37

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

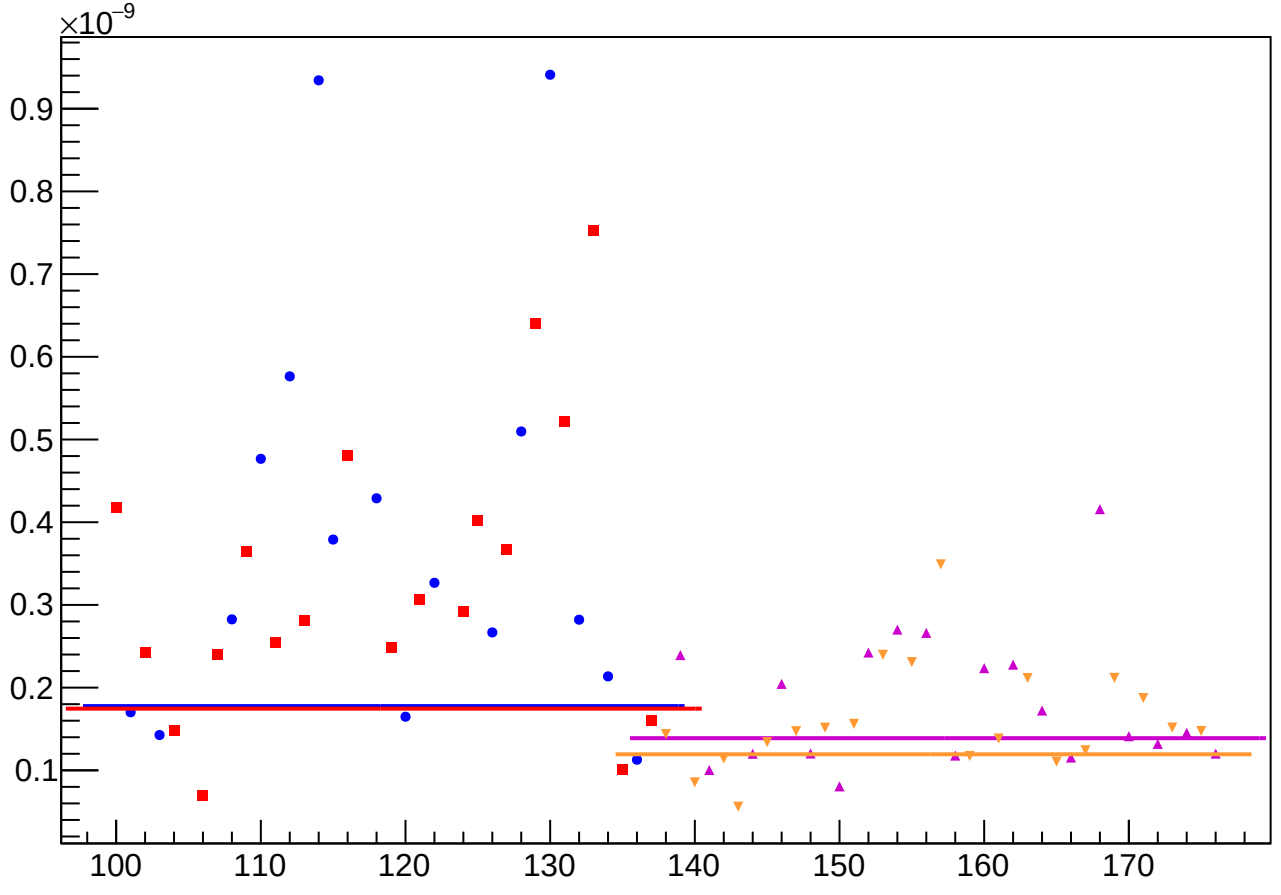
Left In: 0.000+/-0.000 χ^2/NDF:25.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/35

All: 0.000+/-0.000 χ^2/NDF: 88.8/73

- sign 0.000+/-0.000 χ^2/NDF: 58.4/37

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1976531.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

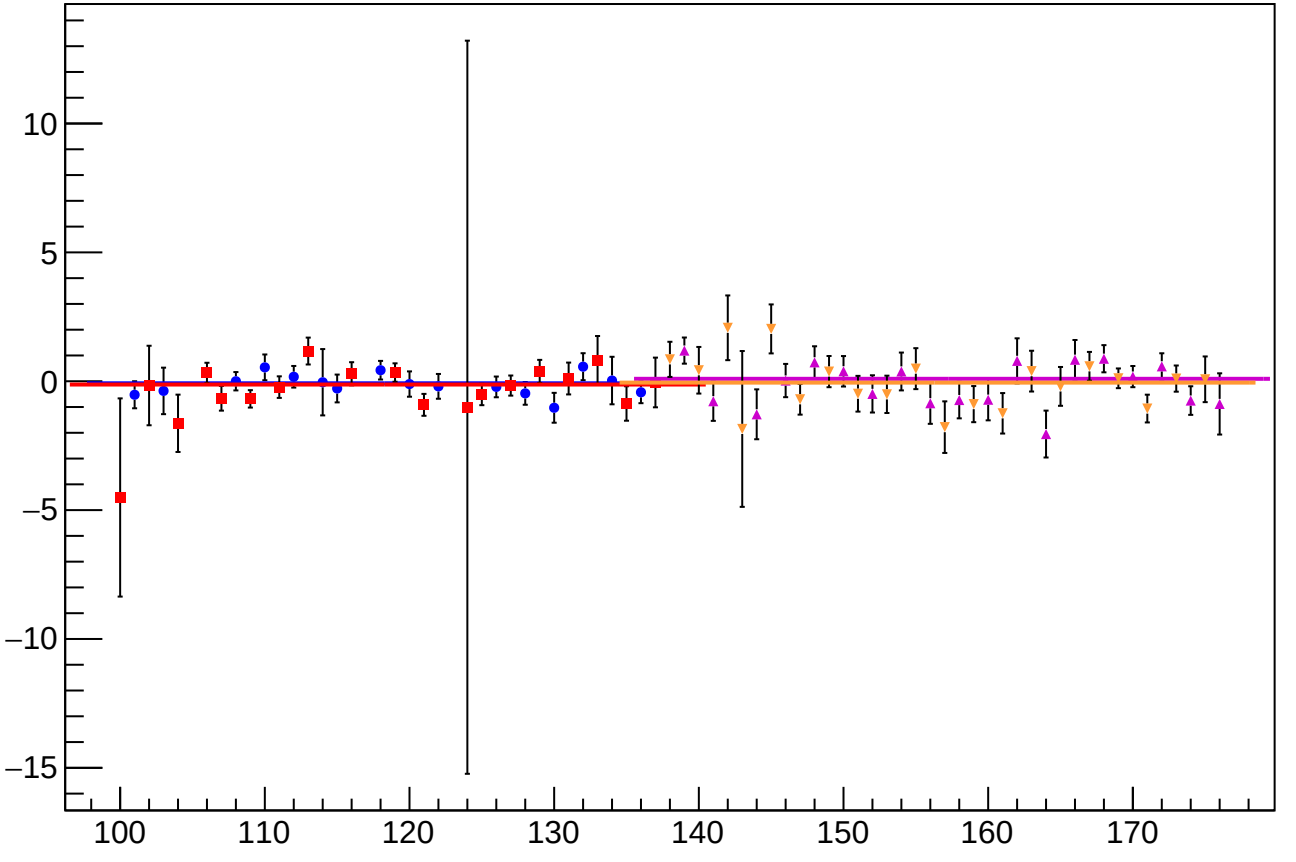
Left In: 0.000+/-0.000 χ^2/NDF:1637184.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 3904139.5/35

All: 0.000+/-0.000 χ^2/NDF: 7431519.5/73

- sign 0.000+/-0.000 χ^2/NDF: 3414042.9/37

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

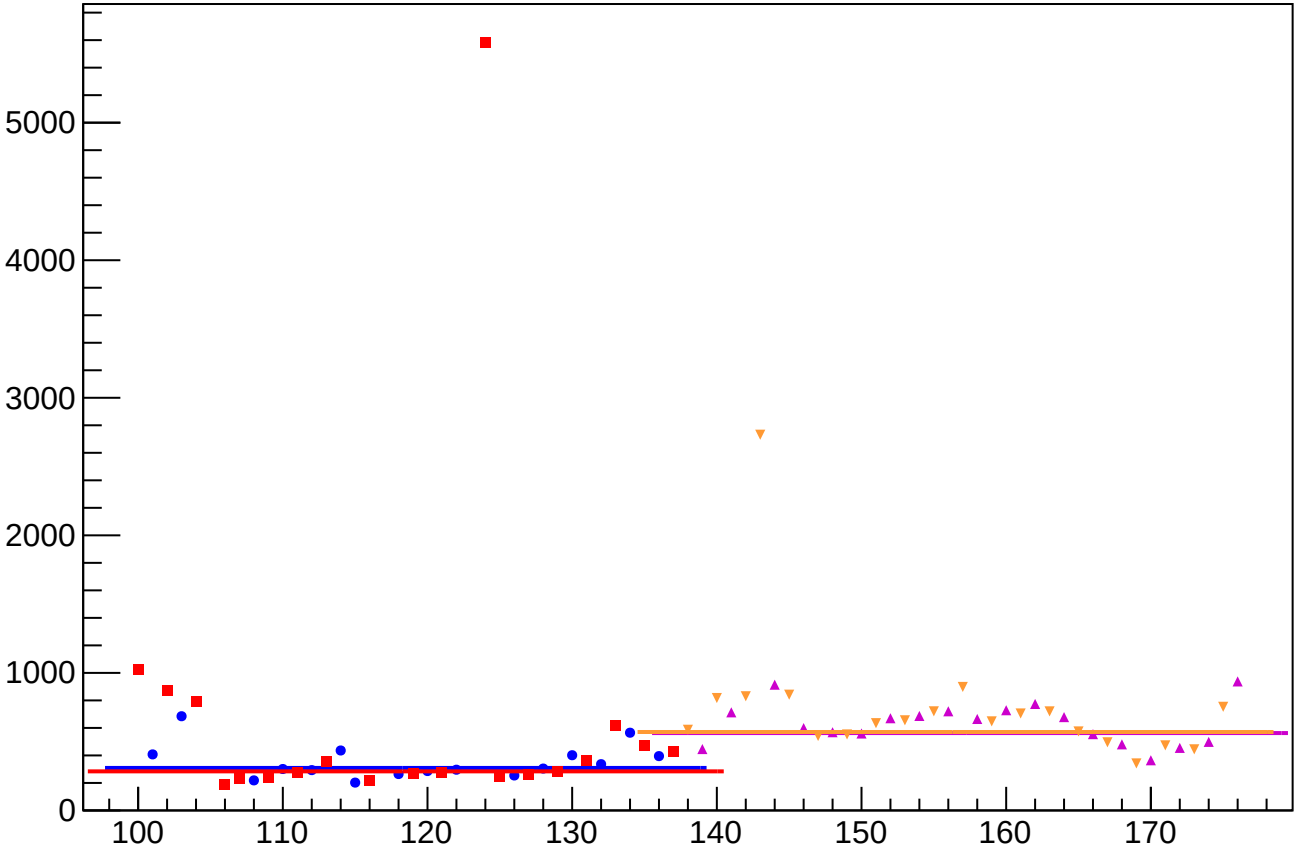
Left In: 0.094+/-0.149 χ^2/NDF:27.1/18

+ sign -0.070+/-0.095 χ^2/NDF: 35.9/35

All: -0.056+/-0.066 χ^2/NDF: 89.7/73

- sign -0.043+/-0.092 χ^2/NDF: 53.8/37

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935336.4/19

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

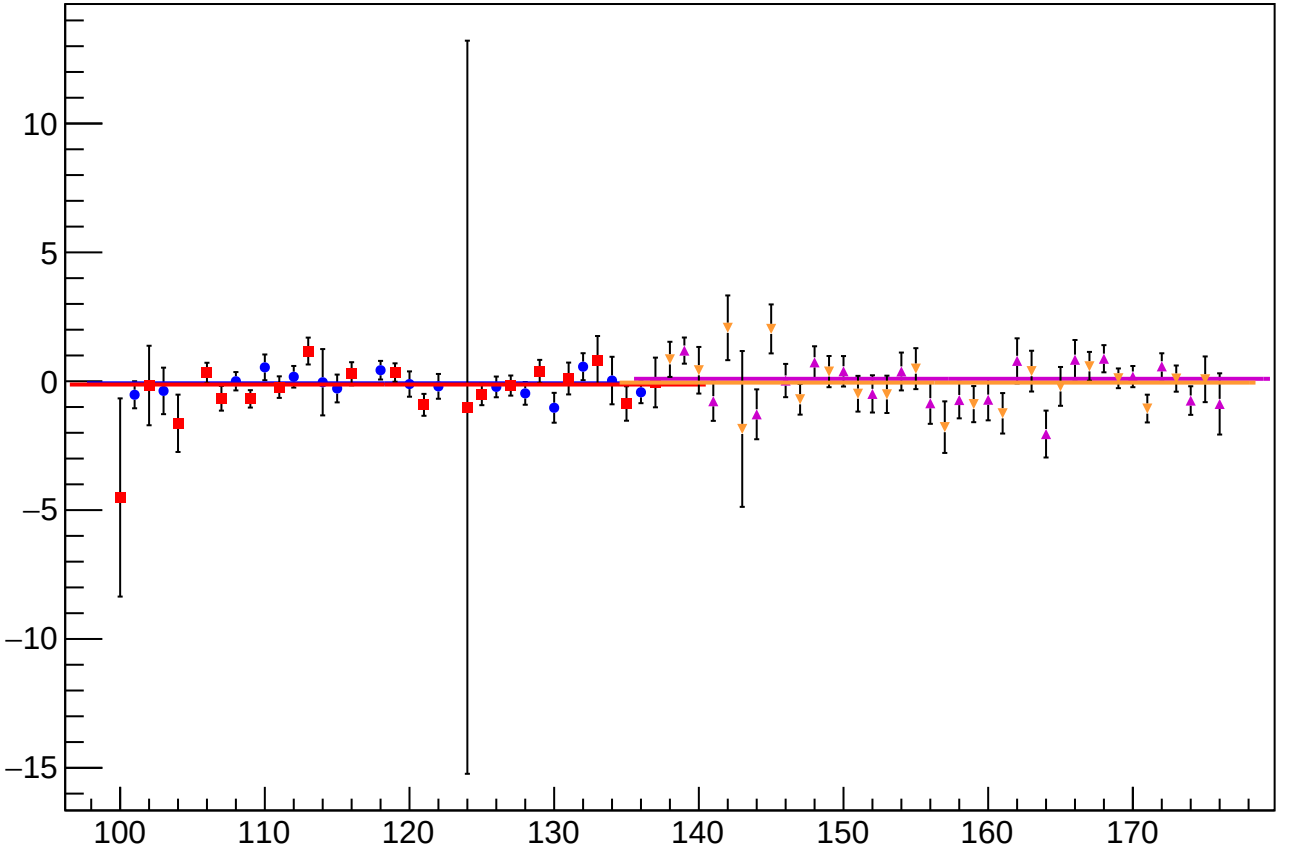
Left In: 562.632+/-0.105 χ^2/NDF:1740299.2/18

+ sign 410.903+/-0.067 χ^2/NDF: 7531977.0/35

All: 400.201+/-0.047 χ^2/NDF: 15497190.8/73

- sign 390.208+/-0.065 χ^2/NDF: 7916346.3/37

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

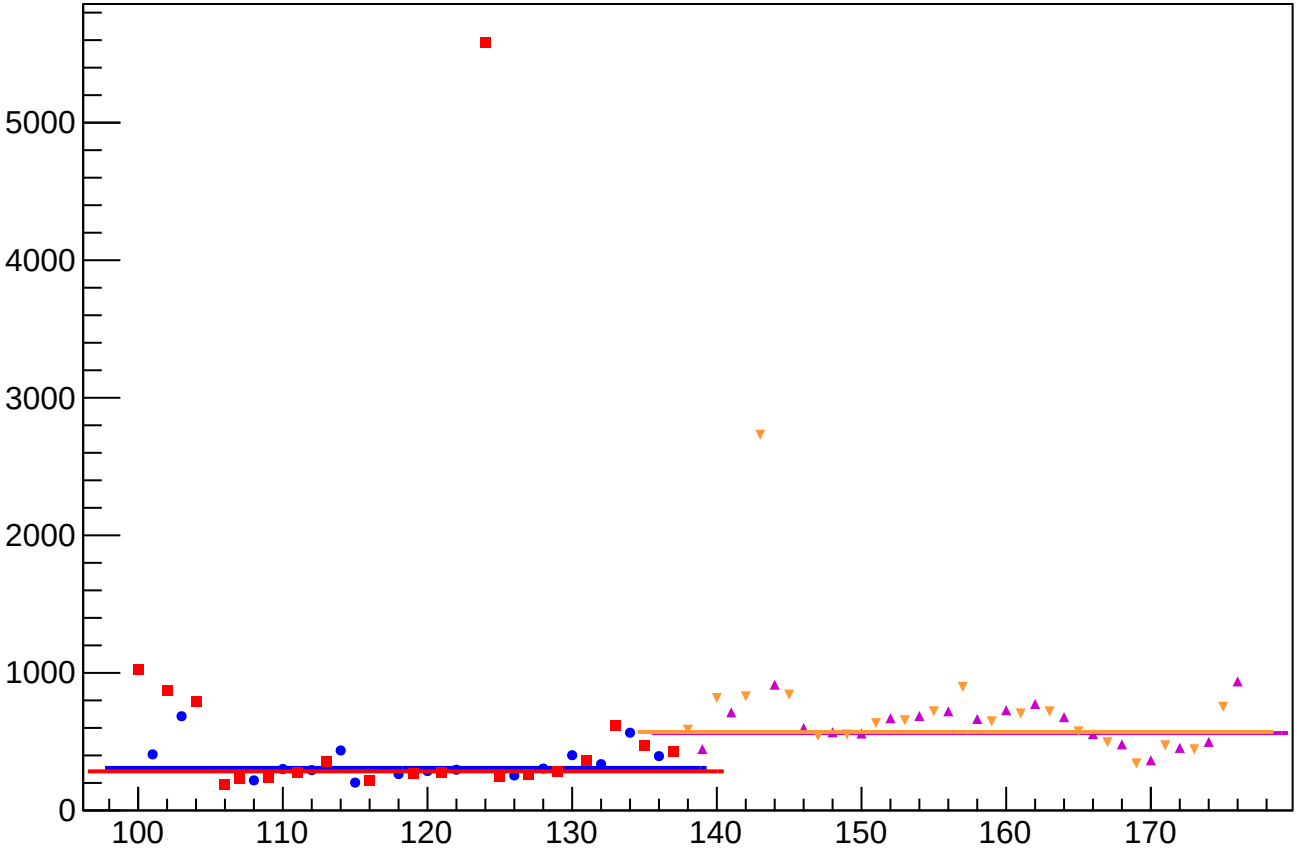
Left In: 0.094+/-0.149 χ^2/NDF:27.1/18

+ sign -0.070+/-0.095 χ^2/NDF: 35.9/35

All: -0.056+/-0.066 χ^2/NDF: 89.7/73

- sign -0.043+/-0.092 χ^2/NDF: 53.8/37

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: 570.357+/-0.108 χ^2/NDF:2935336.4/19

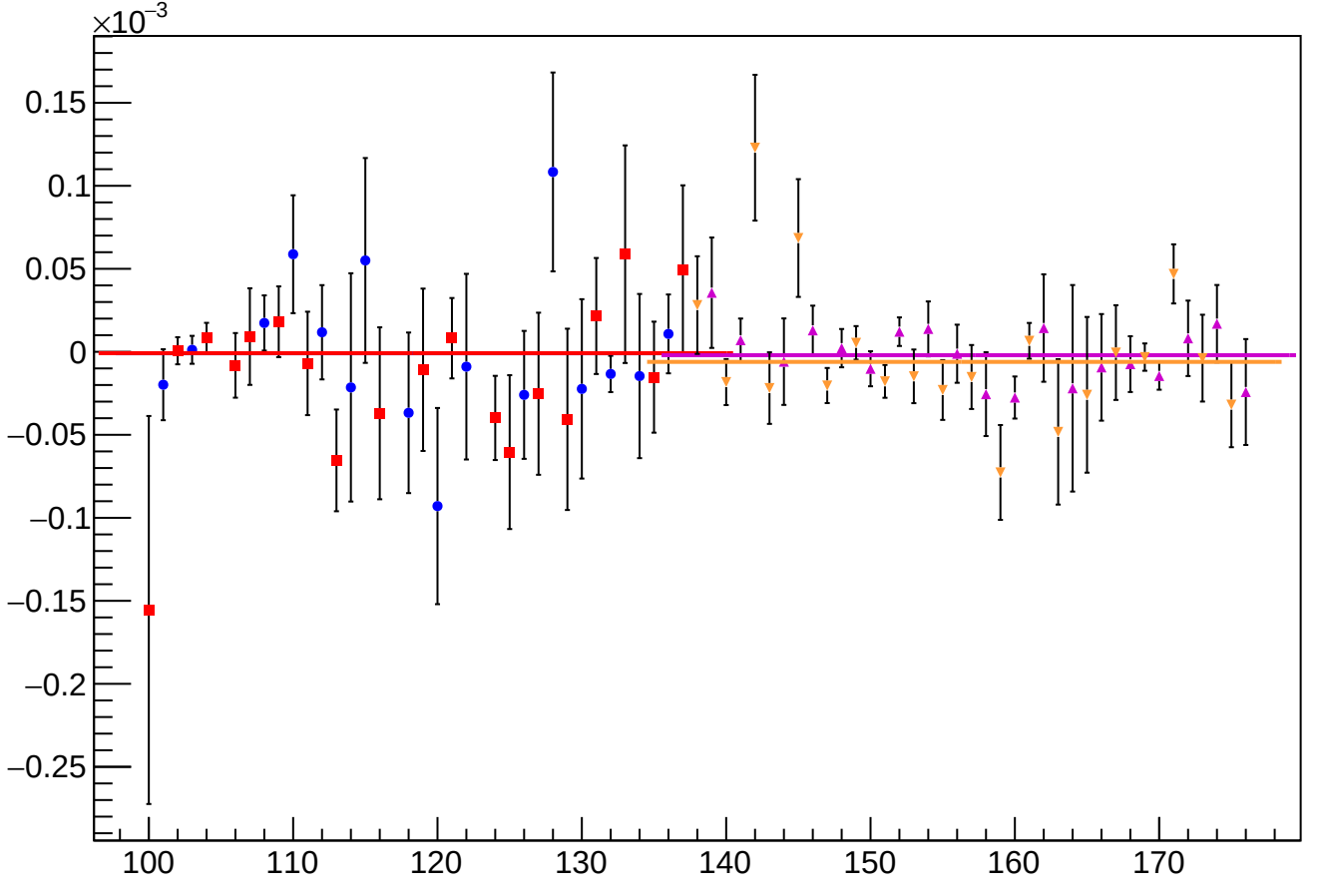
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 562.632+/-0.105 χ^2/NDF:1740299.2/18

+ sign 410.903+/-0.067 χ^2/NDF: 7531977.0/35

All: 400.201+/-0.047 χ^2/NDF: 15497190.8/73

- sign 390.208+/-0.065 χ^2/NDF: 7916346.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/19

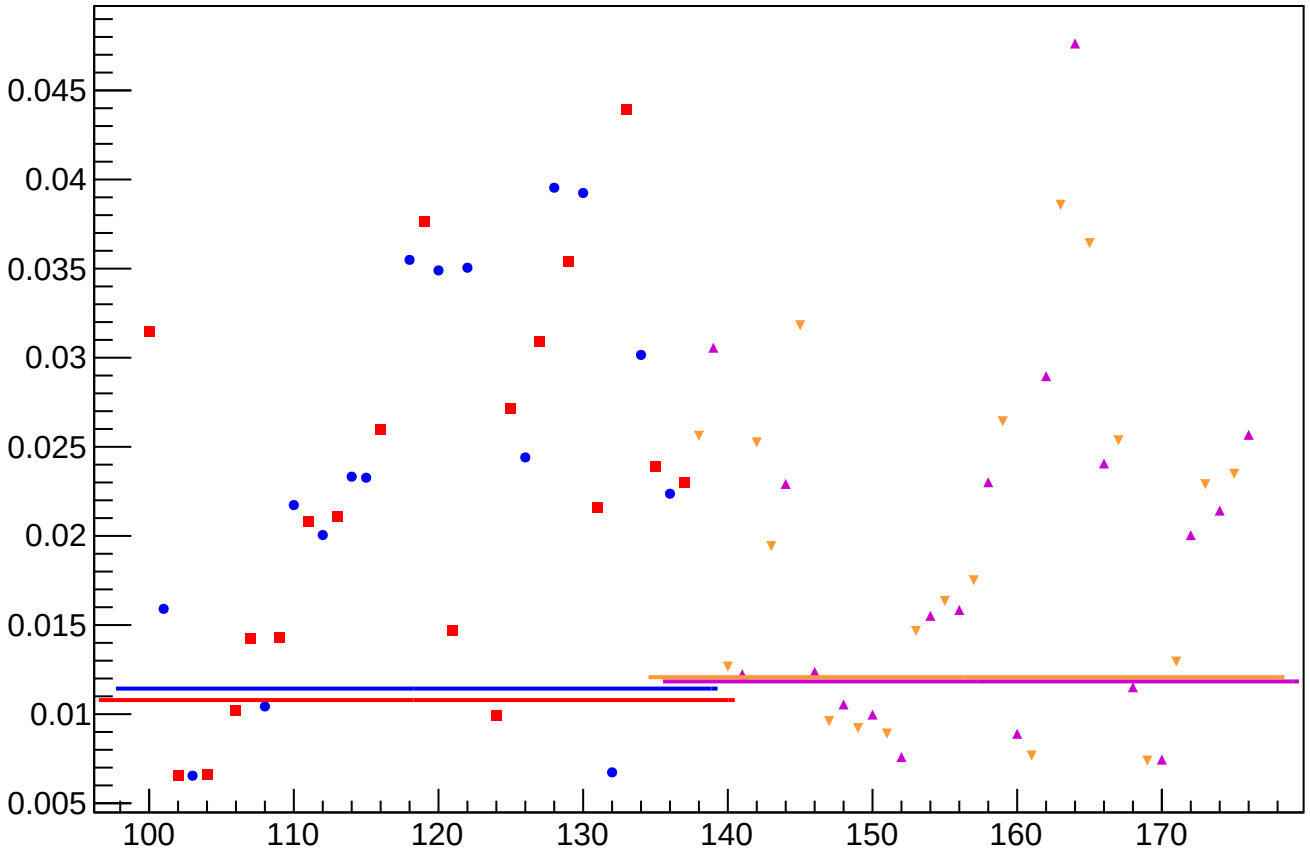
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 54.8/35

All: -0.000+/-0.000 χ^2/NDF: 87.6/73

- sign -0.000+/-0.000 χ^2/NDF: 32.4/37



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:6193558.3/19

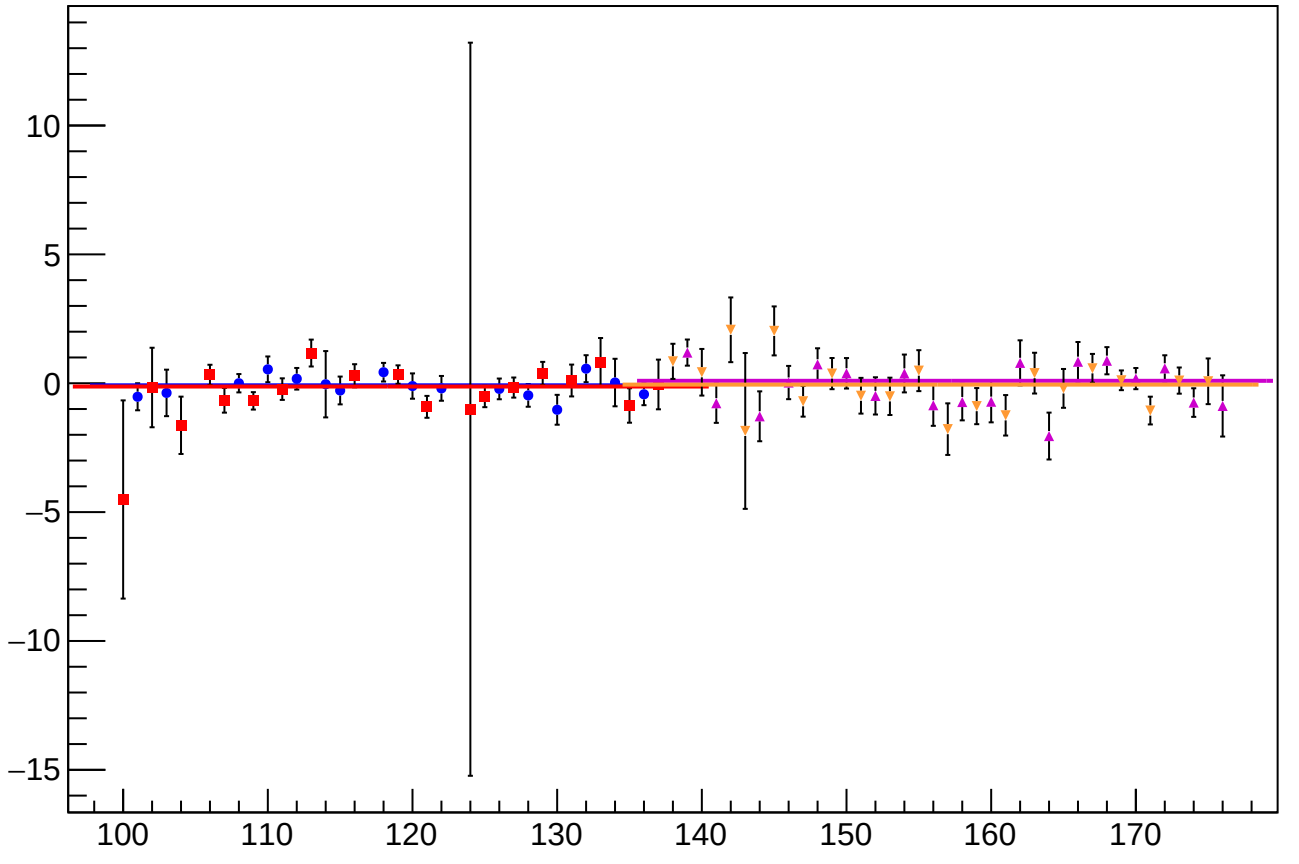
Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:5326412.5/18

+ sign 0.012+/-0.000 χ^2/NDF: 10913740.3/35

All: 0.012+/-0.000 χ^2/NDF: 20794978.6/73

- sign 0.011+/-0.000 χ^2/NDF: 9861637.3/37



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

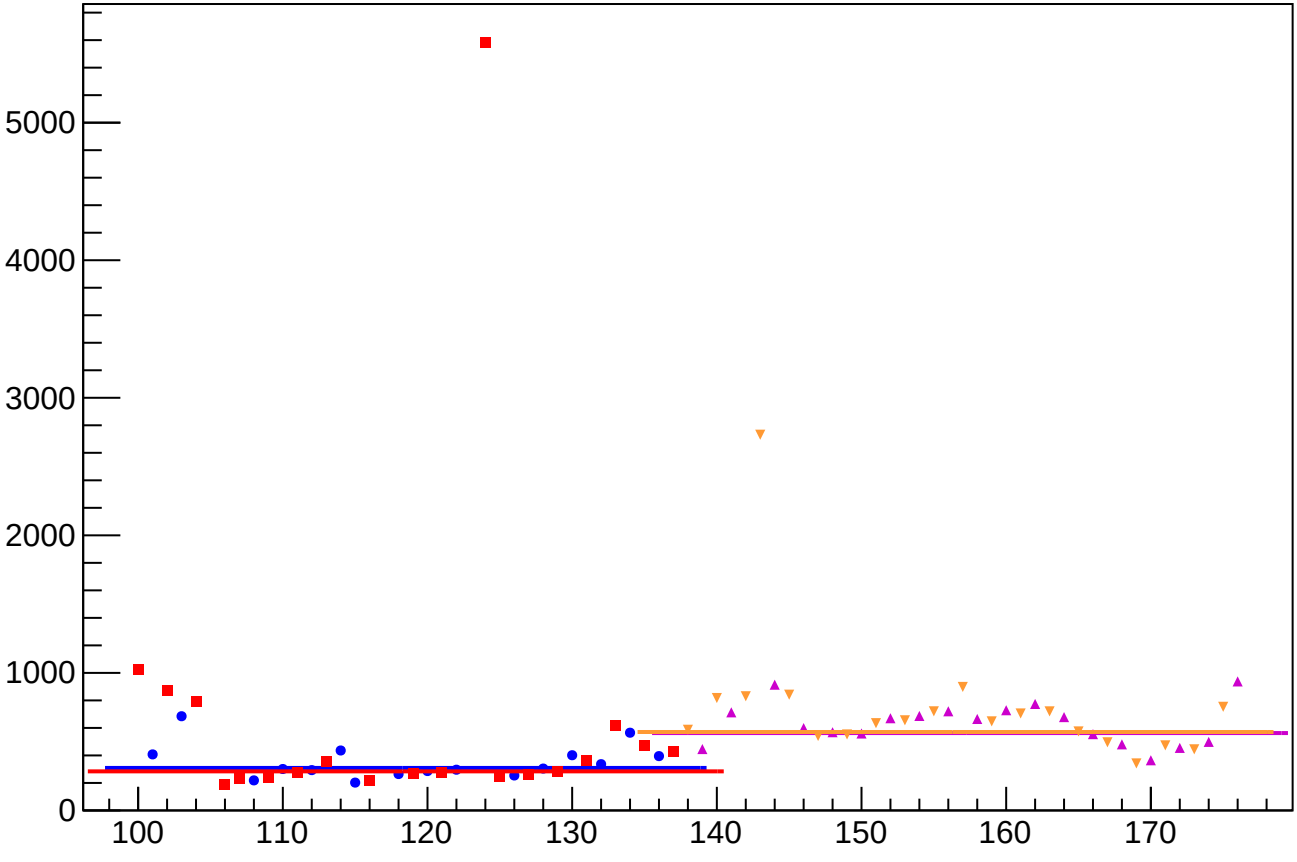
Left In: 0.094+/-0.149 χ^2/NDF:27.1/18

+ sign -0.070+/-0.095 χ^2/NDF: 35.9/35

All: -0.056+/-0.066 χ^2/NDF: 89.7/73

- sign -0.043+/-0.092 χ^2/NDF: 53.8/37

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: 570.357+/-0.108 χ^2/NDF:2935484.9/19

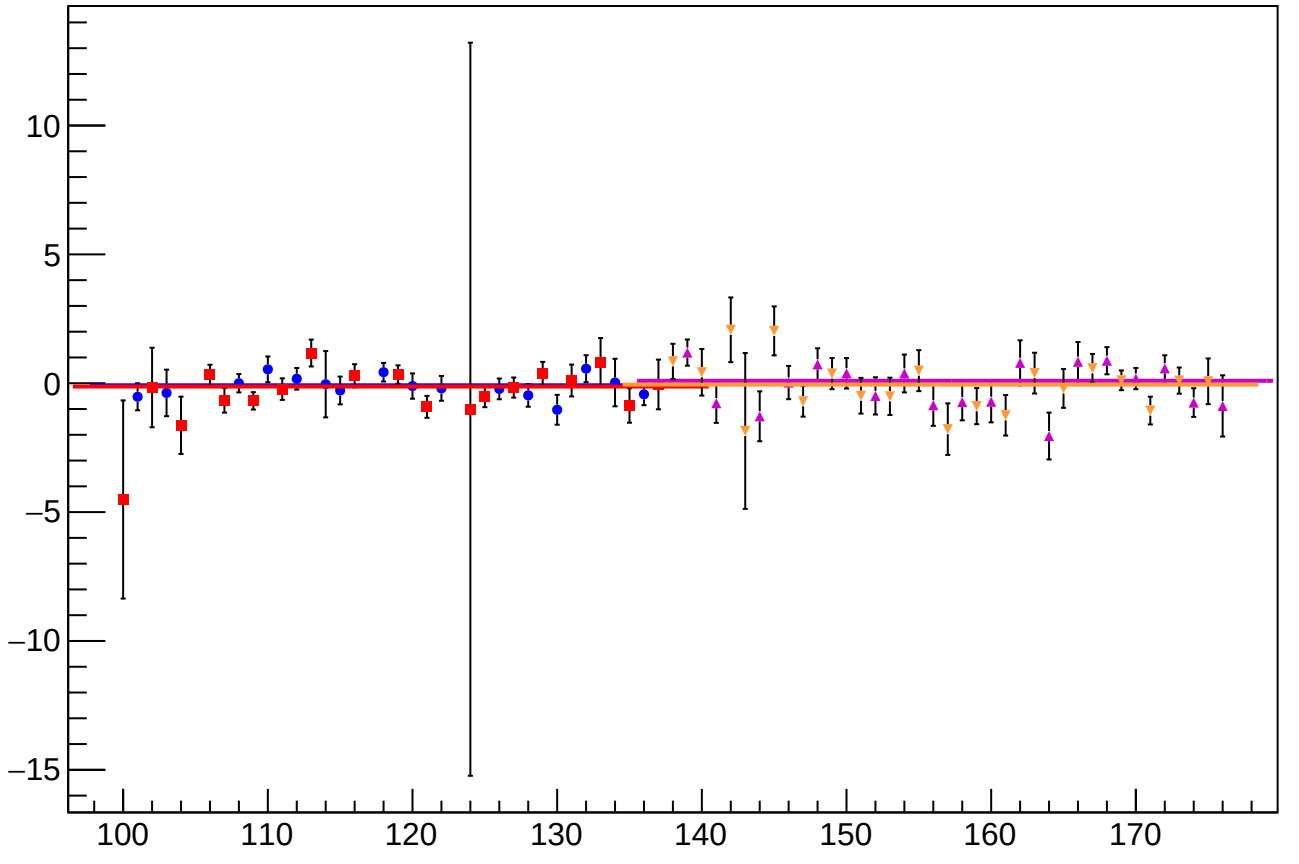
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 562.635+/-0.105 χ^2/NDF:1740395.7/18

+ sign 410.901+/-0.067 χ^2/NDF: 7532109.8/35

All: 400.200+/-0.047 χ^2/NDF: 15497475.6/73

- sign 390.207+/-0.065 χ^2/NDF: 7916500.9/37



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

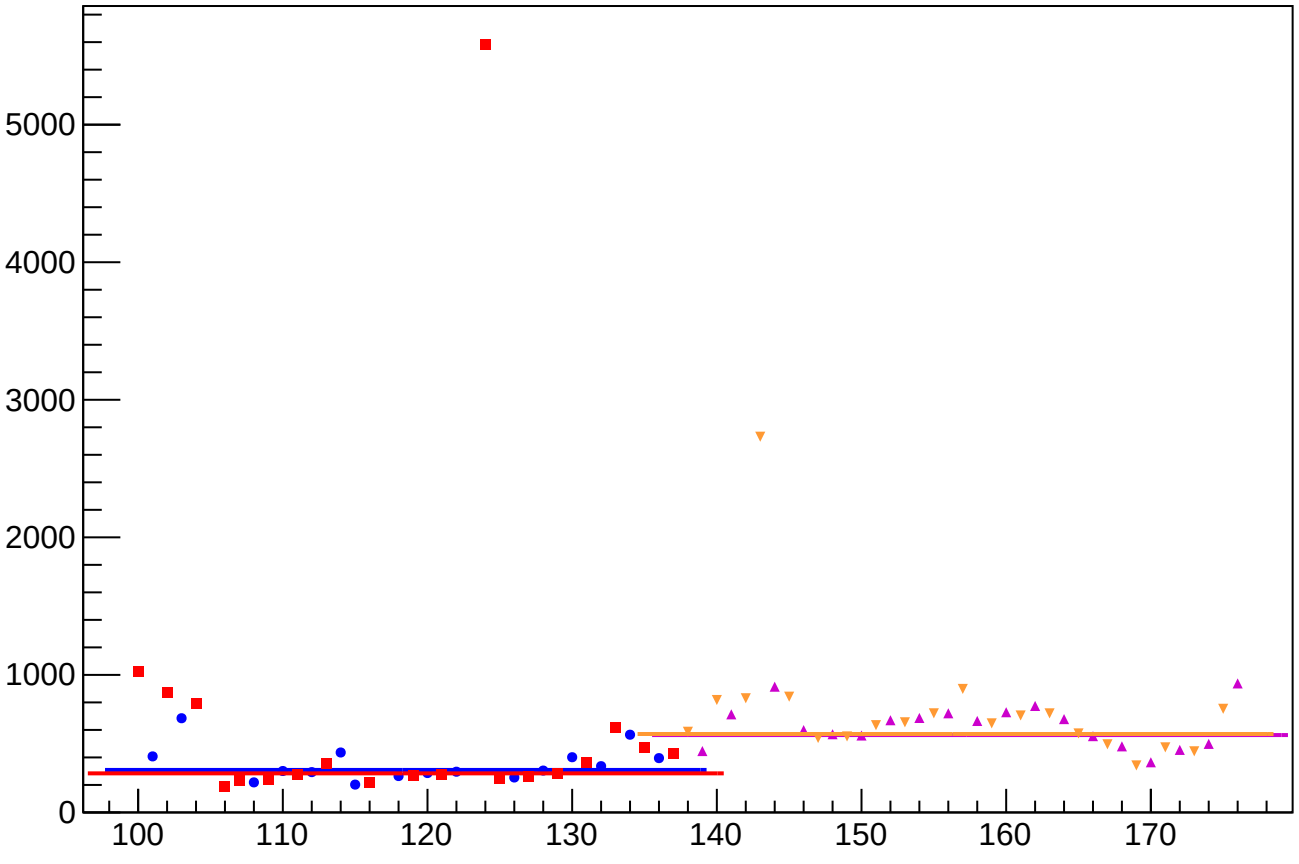
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.094+/-0.149 χ^2/NDF:27.1/18

+ sign -0.070+/-0.095 χ^2/NDF: 35.9/35

All: -0.056+/-0.066 χ^2/NDF: 89.7/73

- sign -0.043+/-0.092 χ^2/NDF: 53.8/37



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935484.9/19

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

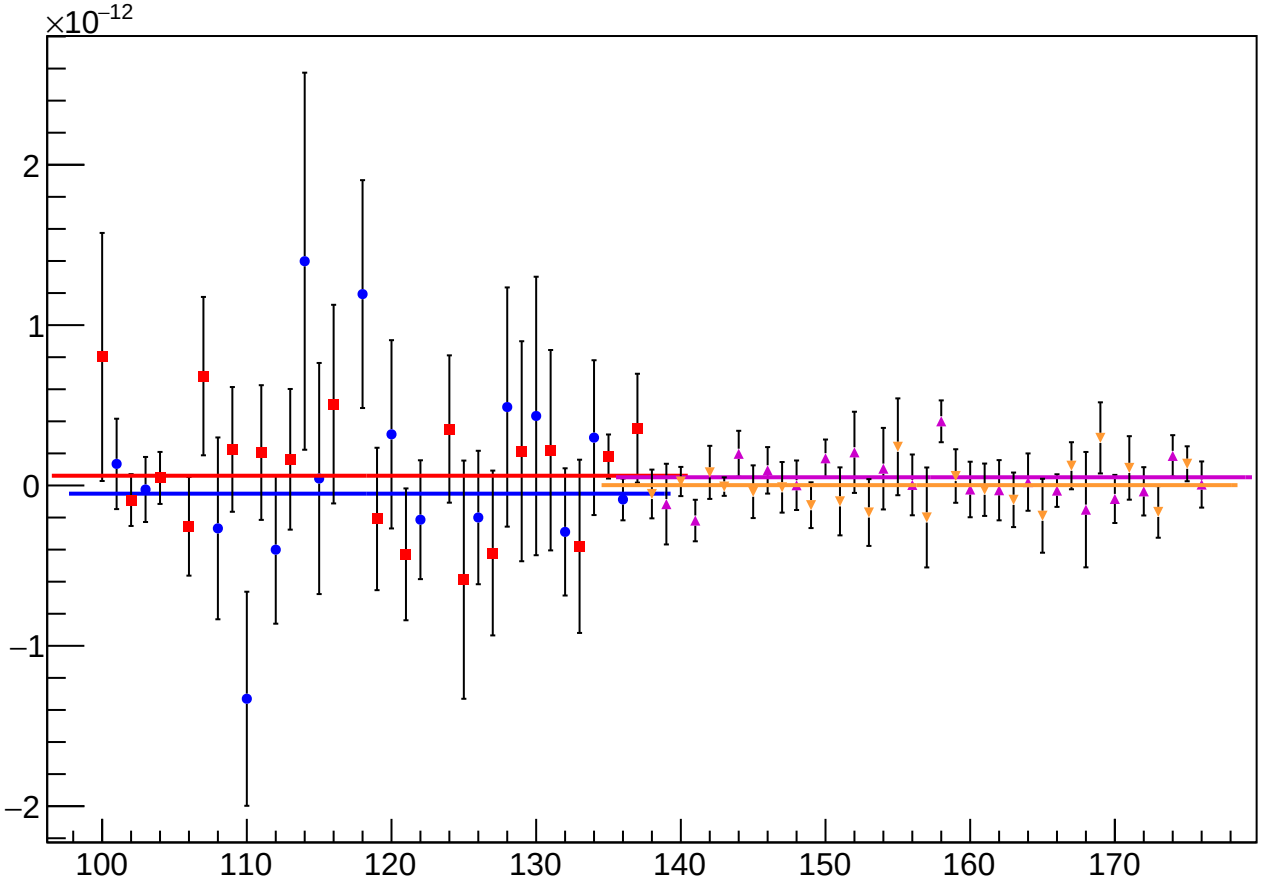
Left In: 562.635+/-0.105 χ^2/NDF:1740395.7/18

+ sign 410.901+/-0.067 χ^2/NDF: 7532109.8/35

All: 400.200+/-0.047 χ^2/NDF: 15497475.6/73

- sign 390.207+/-0.065 χ^2/NDF: 7916500.9/37

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

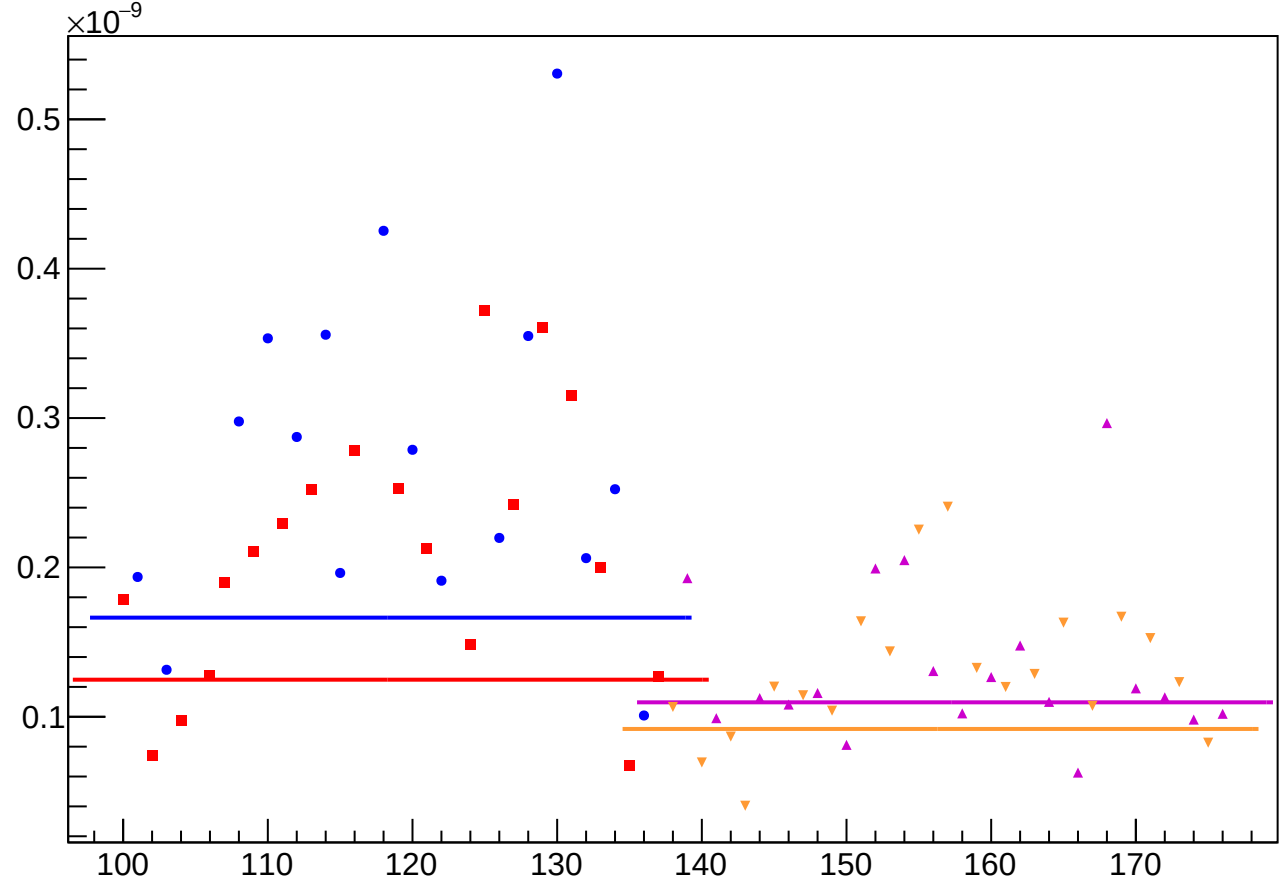
Left In: 0.000+/-0.000 χ^2/NDF:18.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 22.0/35

All: 0.000+/-0.000 χ^2/NDF: 53.6/73

- sign 0.000+/-0.000 χ^2/NDF: 29.9/37

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4041357.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

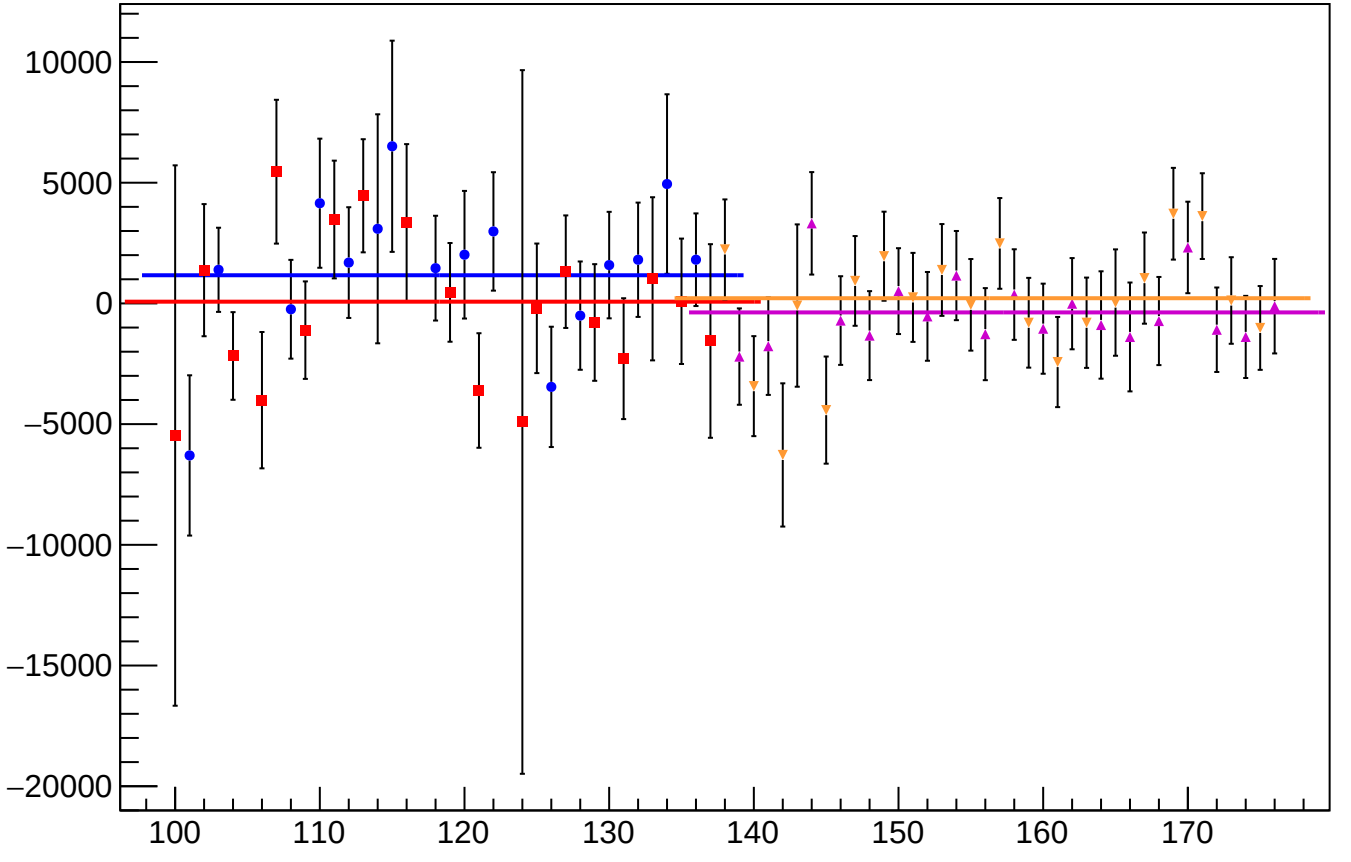
Left In: 0.000+/-0.000 χ^2/NDF:2016543.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 7397001.7/35

All: 0.000+/-0.000 χ^2/NDF: 11854227.7/73

- sign 0.000+/-0.000 χ^2/NDF: 4300738.5/37

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 215.477+/-439.717 χ^2/NDF:26.5/19

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

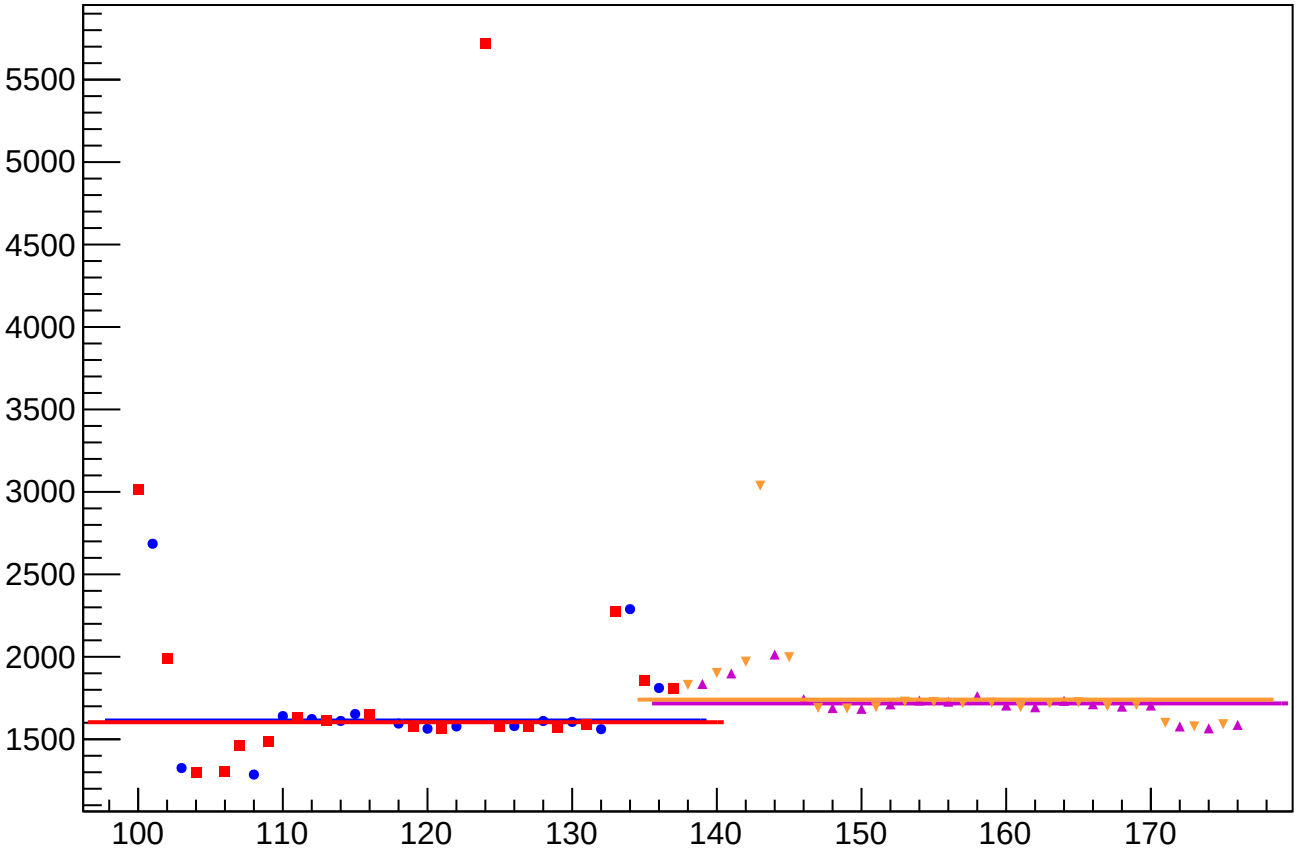
Left In: -372.540+/-436.383 χ^2/NDF:9.0/18

+ sign 541.377+/-356.536 χ^2/NDF: 42.5/35

All: 157.632+/-251.062 χ^2/NDF: 72.4/73

- sign -219.804+/-353.594 χ^2/NDF: 27.6/37

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1740.617+/-0.311 χ^2/NDF:404348.7/19

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

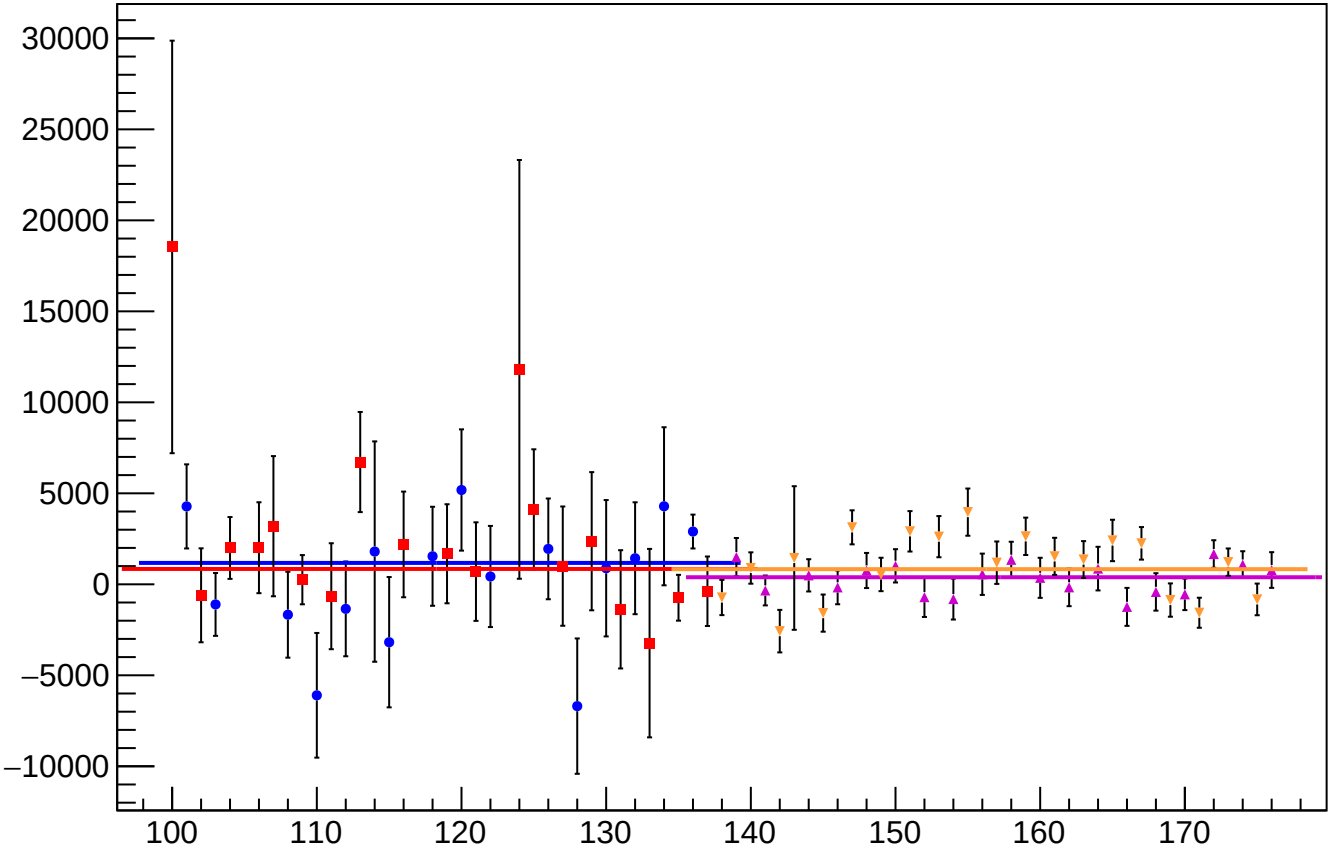
Left In: 1717.295+/-0.309 χ^2/NDF:103410.7/18

+ sign 1697.132+/-0.252 χ^2/NDF: 866136.6/35

All: 1687.588+/-0.178 χ^2/NDF: 1444921.5/73

- sign 1678.201+/-0.250 χ^2/NDF: 575942.2/37

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 831.762+/-223.062 χ^2/NDF:58.9/19

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

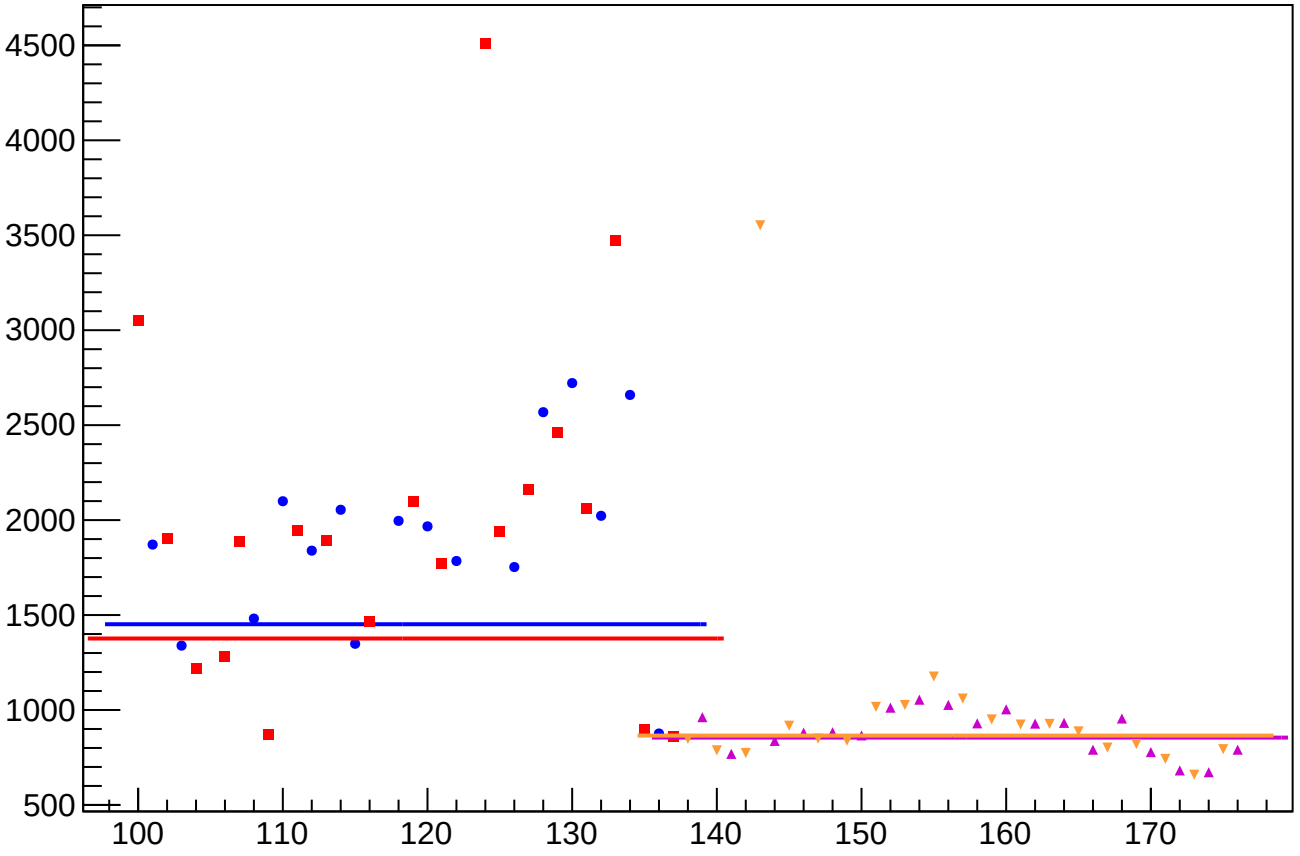
Left In: 388.113+/-219.273 χ^2/NDF:14.5/18

+ sign 876.175+/-208.152 χ^2/NDF: 81.1/35

All: 658.433+/-145.715 χ^2/NDF: 112.7/73

- sign 449.181+/-204.053 χ^2/NDF: 29.4/37

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 865.270+/-0.158 χ^2/NDF:1464288.6/19

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

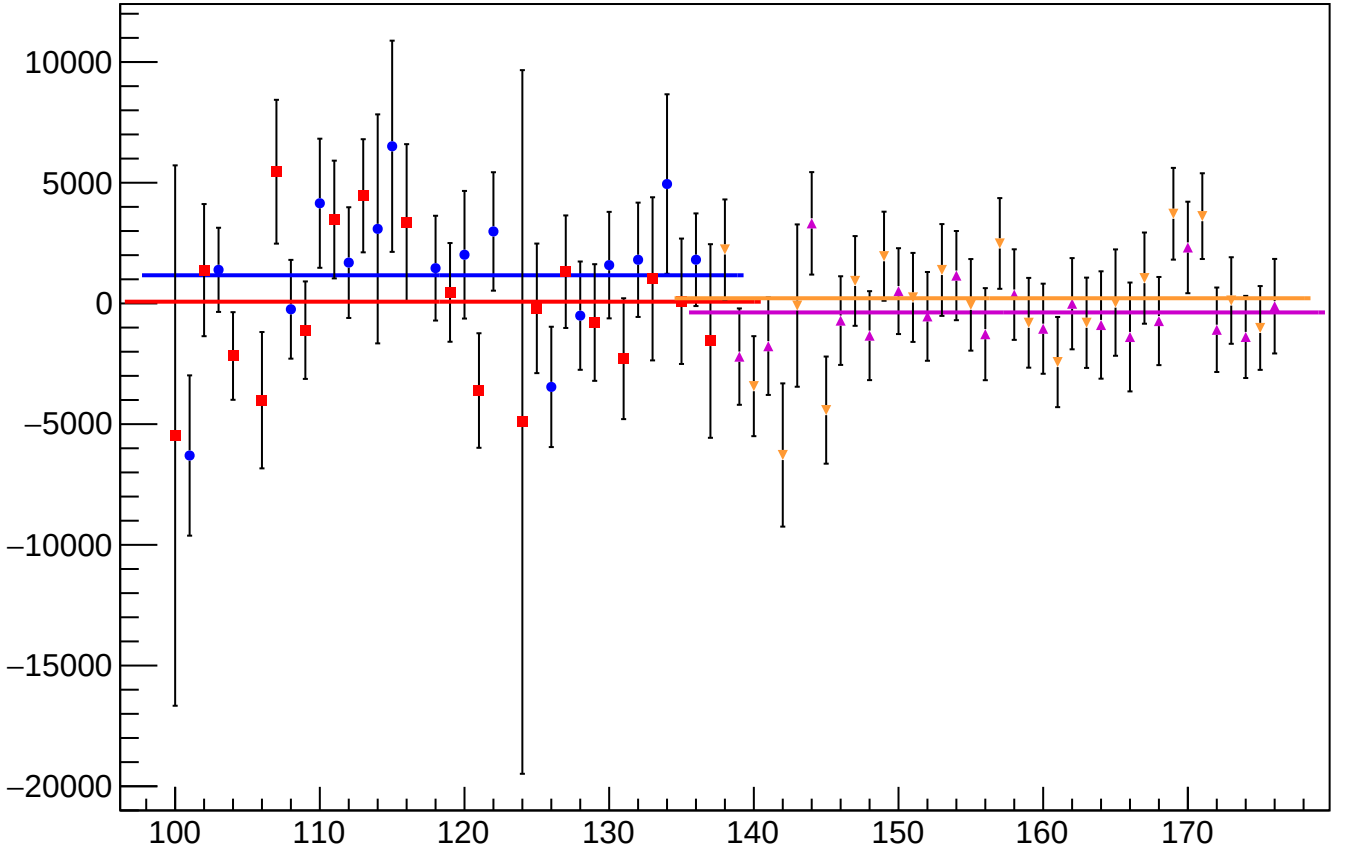
Left In: 854.584+/-0.155 χ^2/NDF:542461.8/18

+ sign 941.036+/-0.147 χ^2/NDF: 5040881.9/35

All: 932.611+/-0.103 χ^2/NDF: 9239939.1/73

- sign 924.515+/-0.144 χ^2/NDF: 4192632.7/37

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 215.379+/-439.717 χ^2/NDF:26.5/19

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

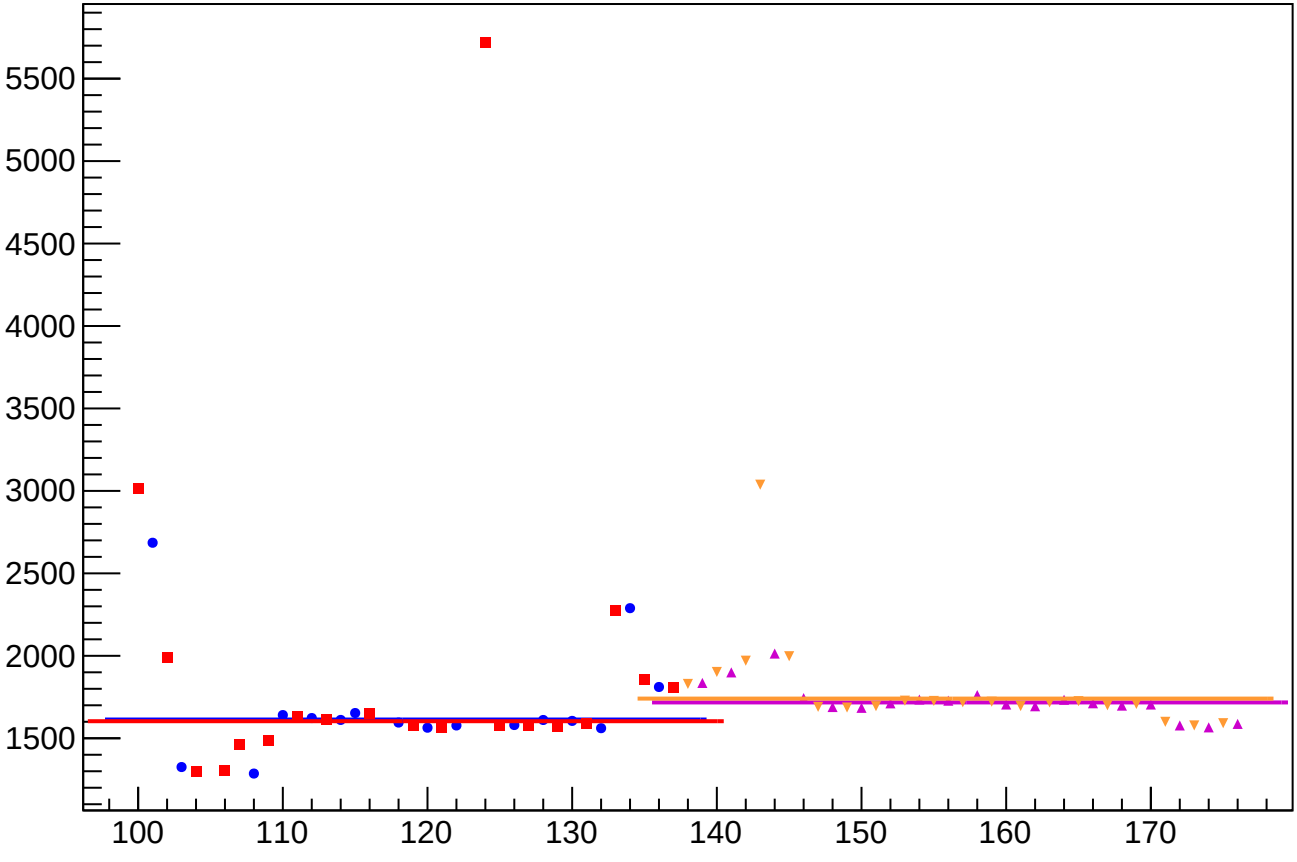
Left In: -372.451+/-436.383 χ^2/NDF:9.0/18

+ sign 541.281+/-356.536 χ^2/NDF: 42.5/35

All: 157.669+/-251.062 χ^2/NDF: 72.4/73

- sign -219.636+/-353.594 χ^2/NDF: 27.6/37

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1740.617+/-0.311 χ^2/NDF:404348.6/19

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

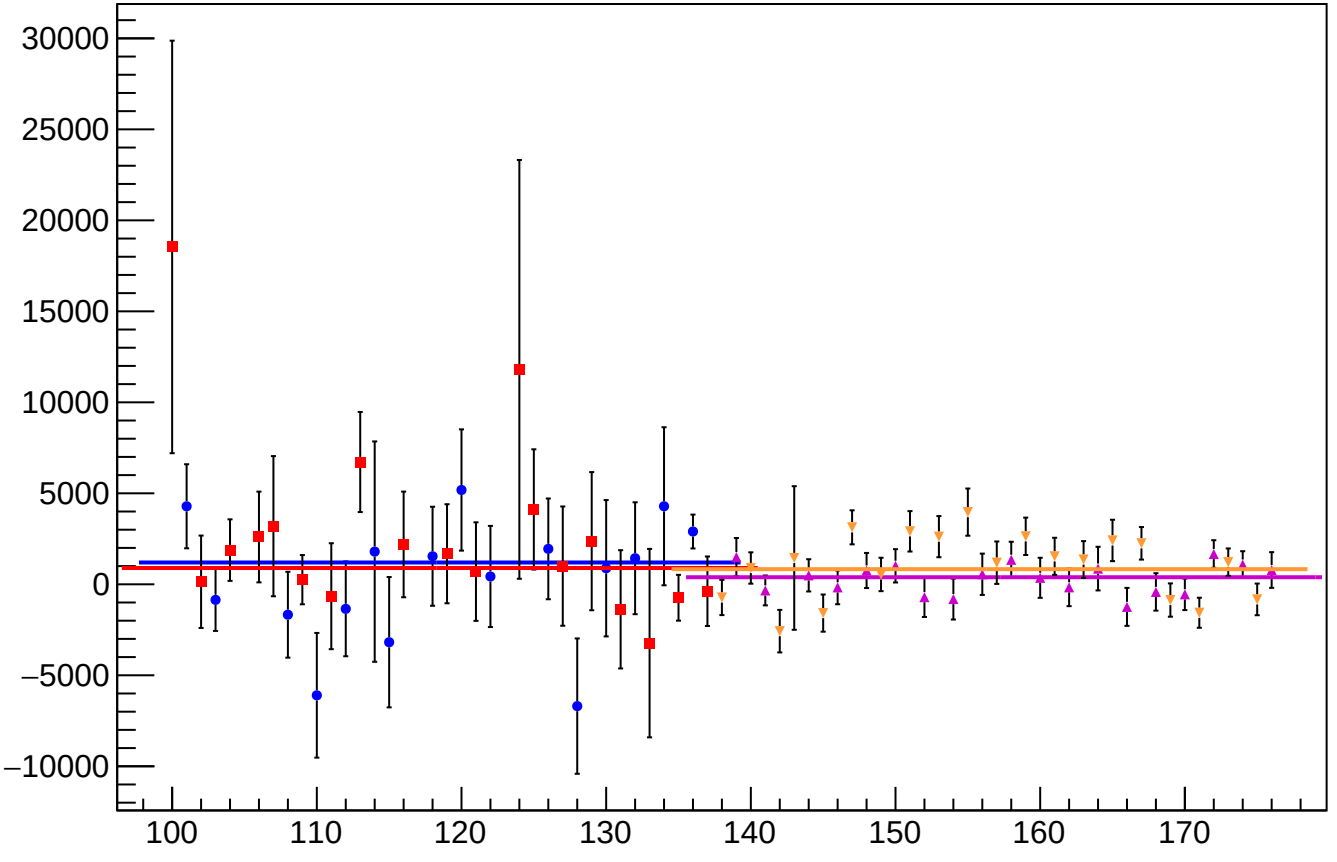
Left In: 1717.295+/-0.309 χ^2/NDF:103410.7/18

+ sign 1697.132+/-0.252 χ^2/NDF: 866136.9/35

All: 1687.588+/-0.178 χ^2/NDF: 1444922.0/73

- sign 1678.201+/-0.250 χ^2/NDF: 575942.4/37

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 831.817+/-223.064 χ^2/NDF:58.8/19

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

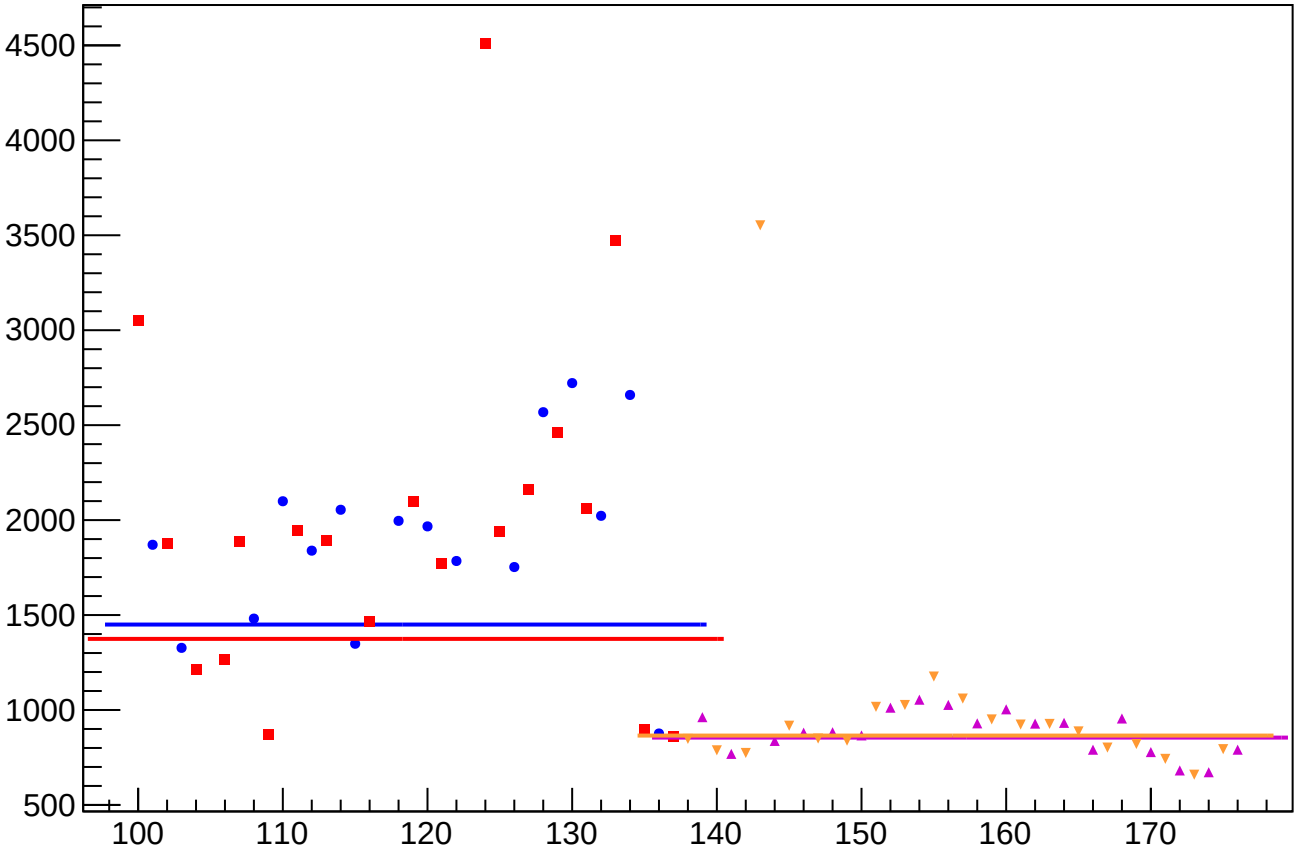
Left In: 388.095+/-219.273 χ^2/NDF:14.5/18

+ sign 879.295+/-208.116 χ^2/NDF: 80.9/35

All: 663.561+/-145.689 χ^2/NDF: 112.5/73

- sign 456.244+/-204.016 χ^2/NDF: 29.5/37

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 865.280+/-0.158 χ^2/NDF:1464218.4/19

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

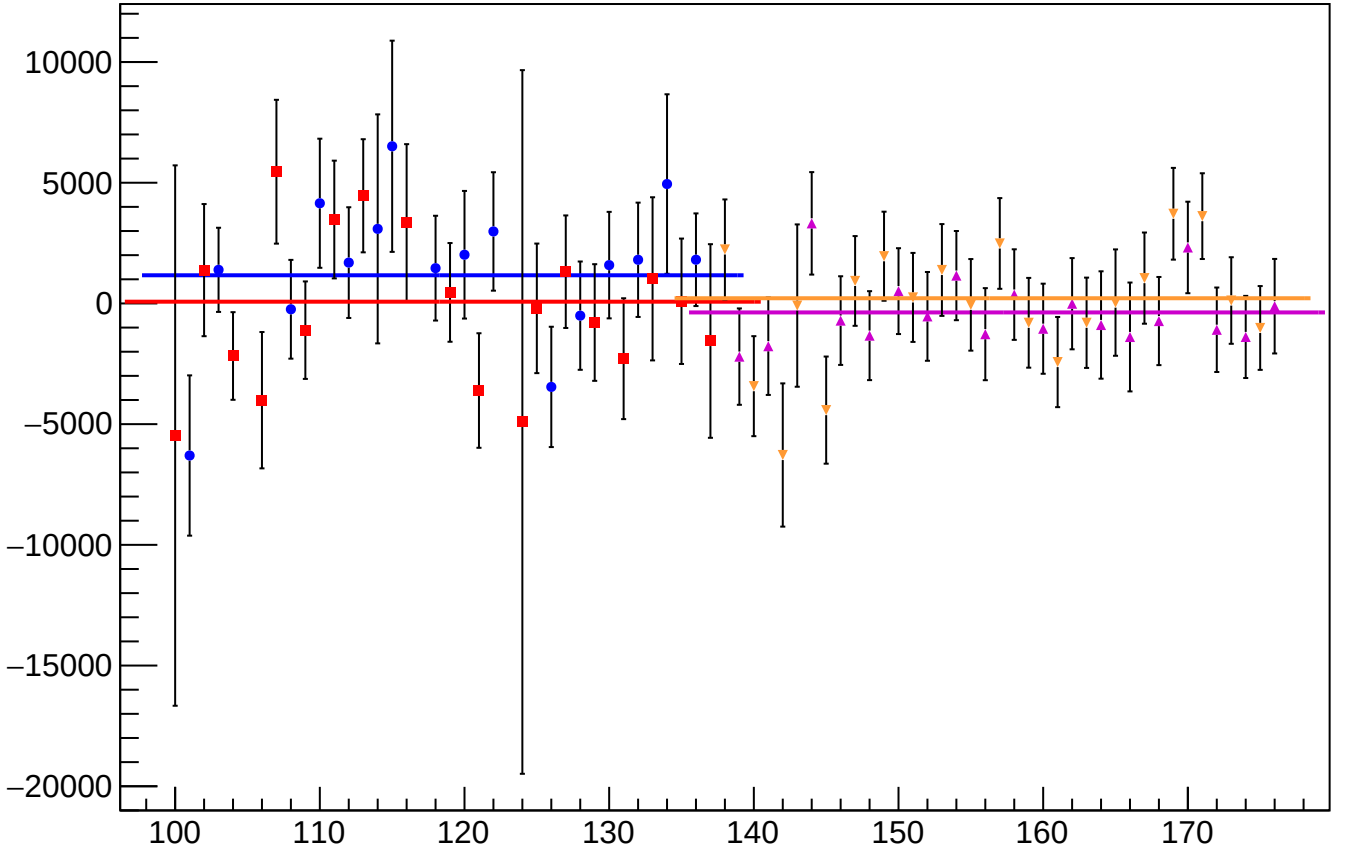
Left In: 854.585+/-0.155 χ^2/NDF:542473.8/18

+ sign 941.015+/-0.147 χ^2/NDF: 5036678.7/35

All: 932.548+/-0.103 χ^2/NDF: 9223276.4/73

- sign 924.411+/-0.144 χ^2/NDF: 4180105.9/37

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 215.379+/-439.717 χ^2/NDF:26.5/19

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

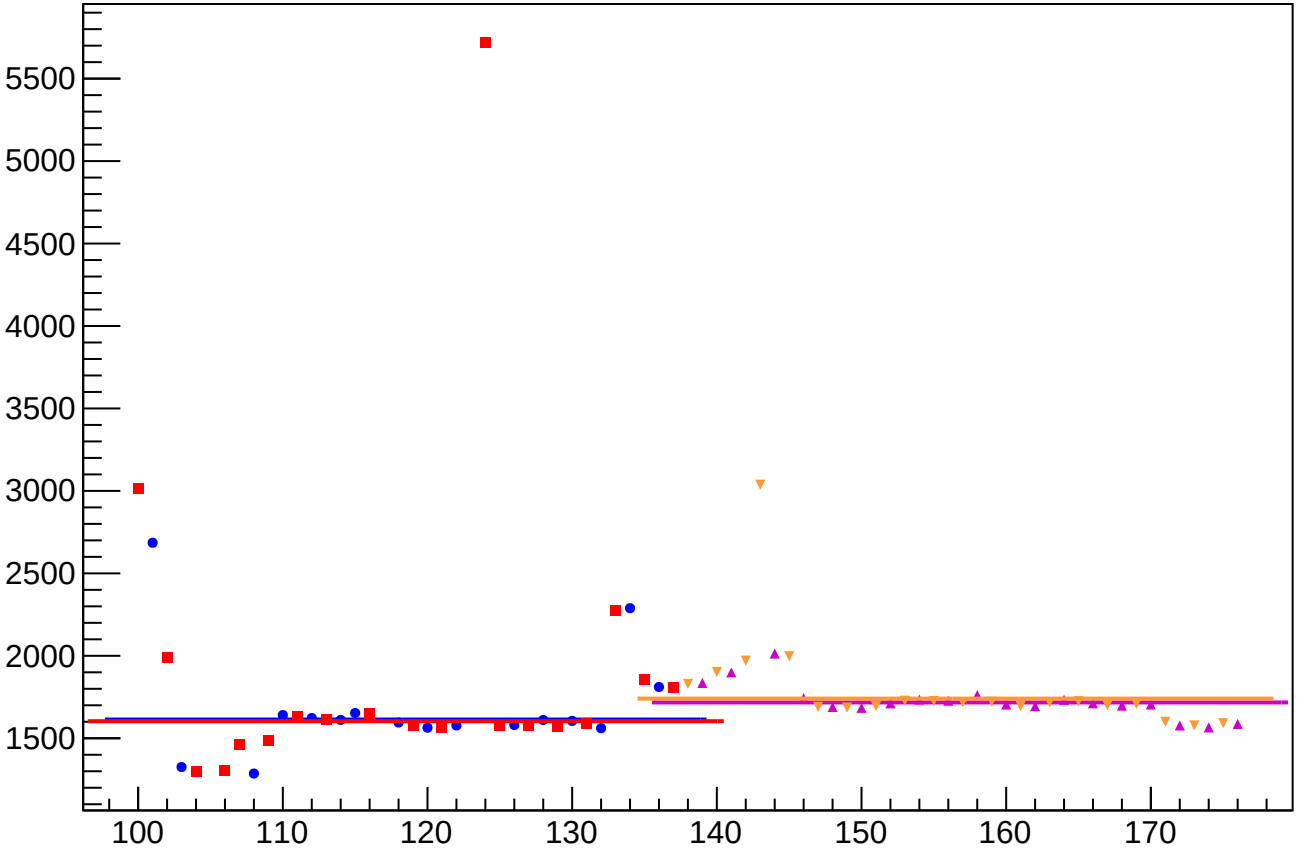
Left In: -372.451+/-436.383 χ^2/NDF:9.0/18

+ sign 541.281+/-356.536 χ^2/NDF: 42.5/35

All: 157.669+/-251.062 χ^2/NDF: 72.4/73

- sign -219.636+/-353.594 χ^2/NDF: 27.6/37

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1740.617+/-0.311 χ^2/NDF:404348.6/19

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

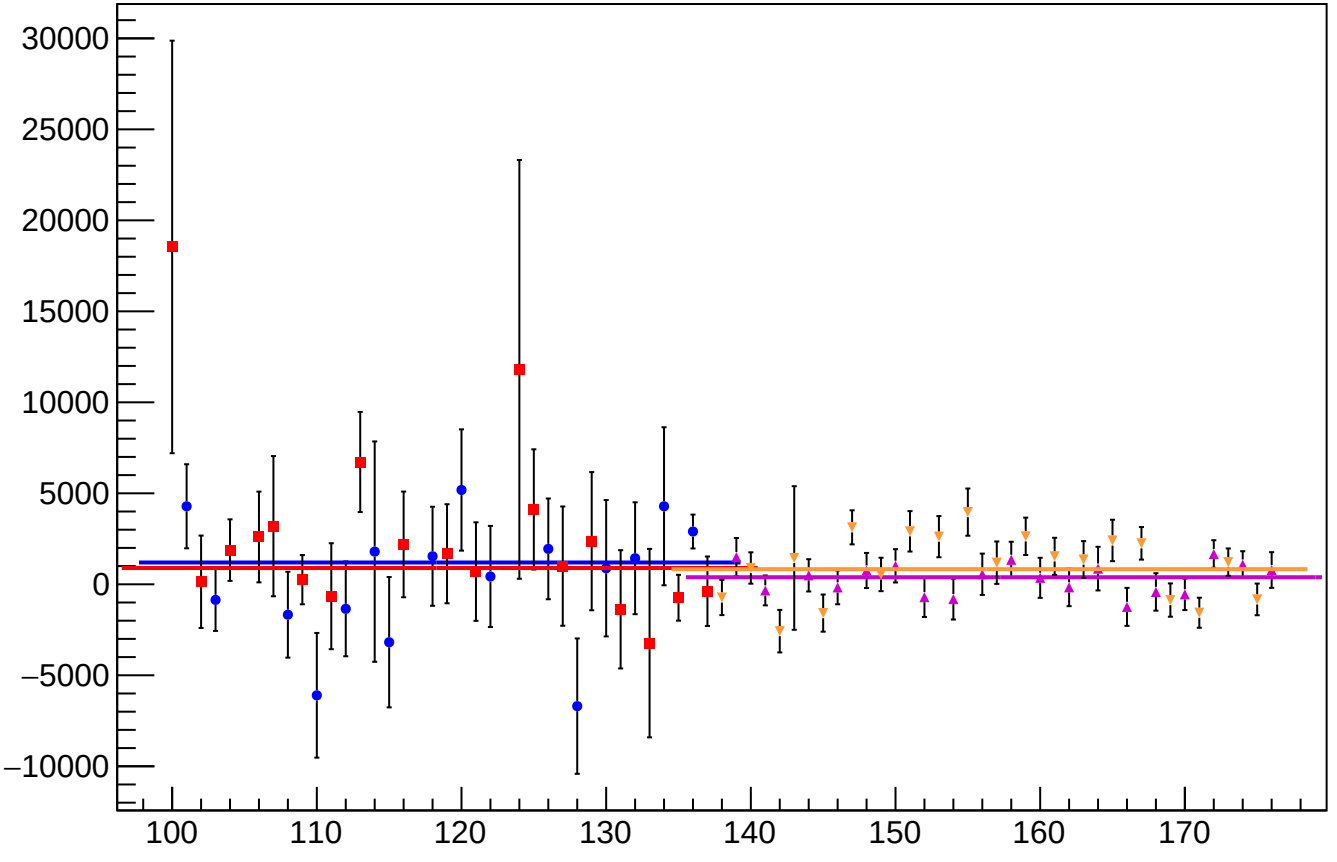
Left In: 1717.295+/-0.309 χ^2/NDF:103410.7/18

+ sign 1697.132+/-0.252 χ^2/NDF: 866136.9/35

All: 1687.588+/-0.178 χ^2/NDF: 1444922.0/73

- sign 1678.201+/-0.250 χ^2/NDF: 575942.4/37

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 831.817+/-223.064 χ^2/NDF:58.8/19

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

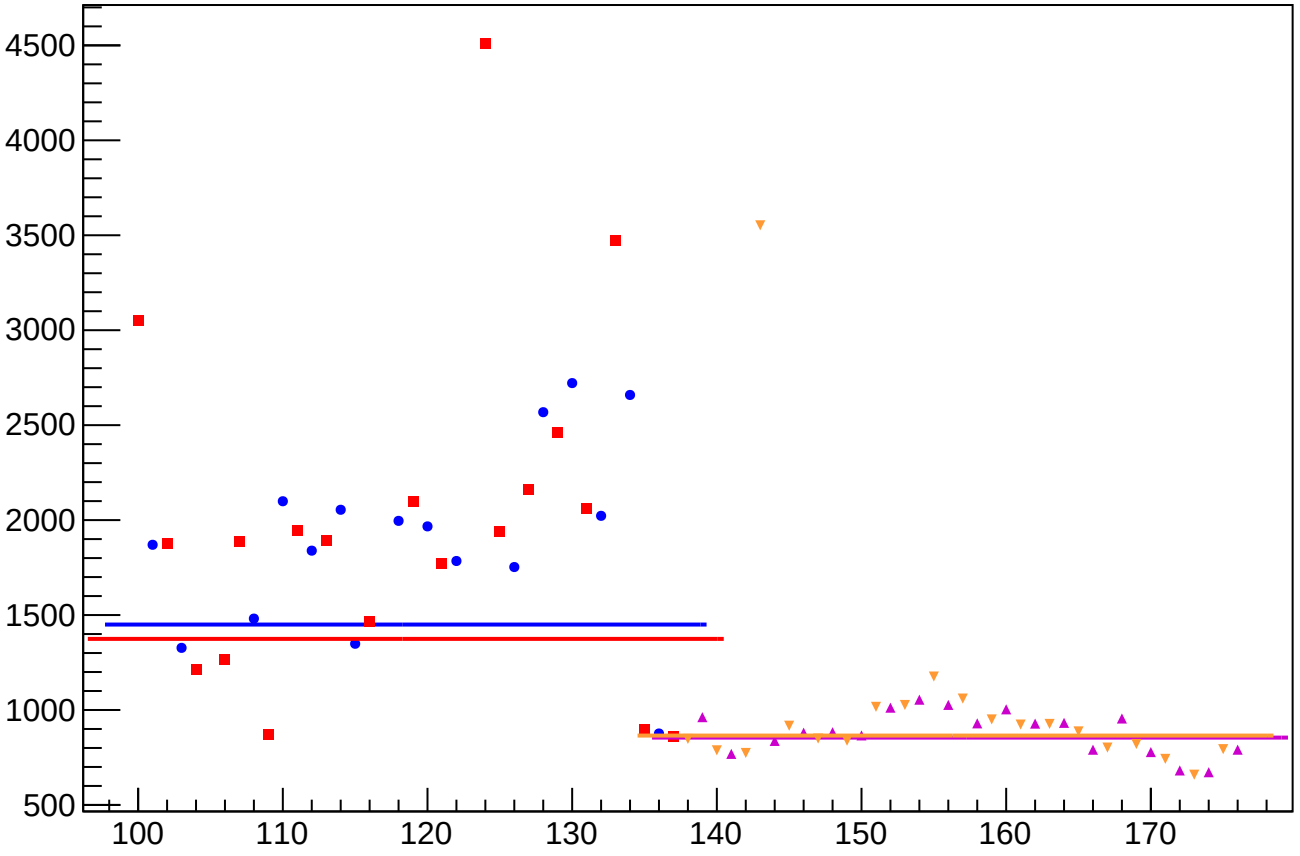
Left In: 388.095+/-219.273 χ^2/NDF:14.5/18

+ sign 879.295+/-208.116 χ^2/NDF: 80.9/35

All: 663.561+/-145.689 χ^2/NDF: 112.5/73

- sign 456.244+/-204.016 χ^2/NDF: 29.5/37

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 865.280+/-0.158 χ^2/NDF:1464218.4/19

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

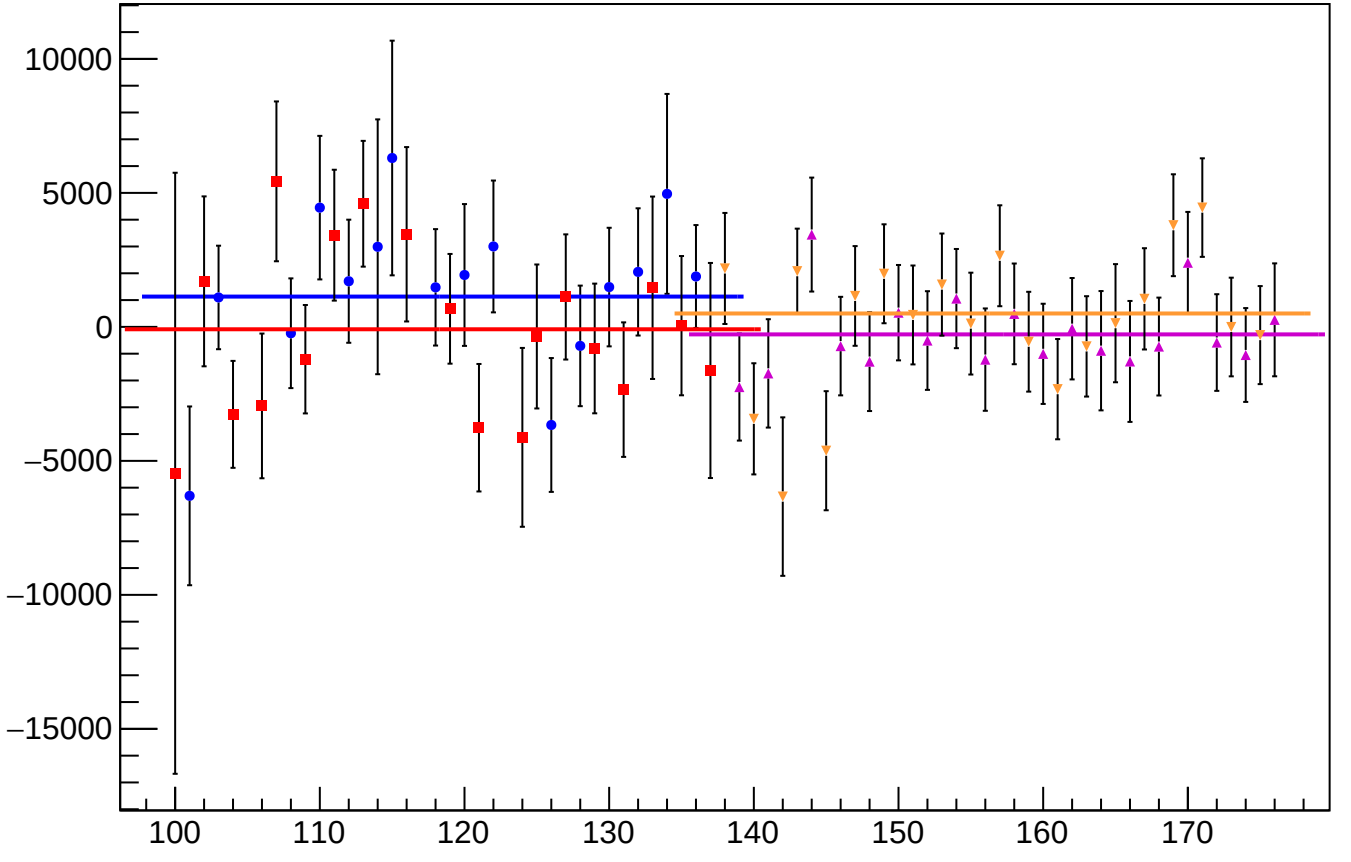
Left In: 854.585+/-0.155 χ^2/NDF:542473.8/18

+ sign 941.015+/-0.147 χ^2/NDF: 5036678.7/35

All: 932.548+/-0.103 χ^2/NDF: 9223276.4/73

- sign 924.411+/-0.144 χ^2/NDF: 4180105.9/37

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 500.078+/-430.298 χ^2/NDF:29.4/19

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

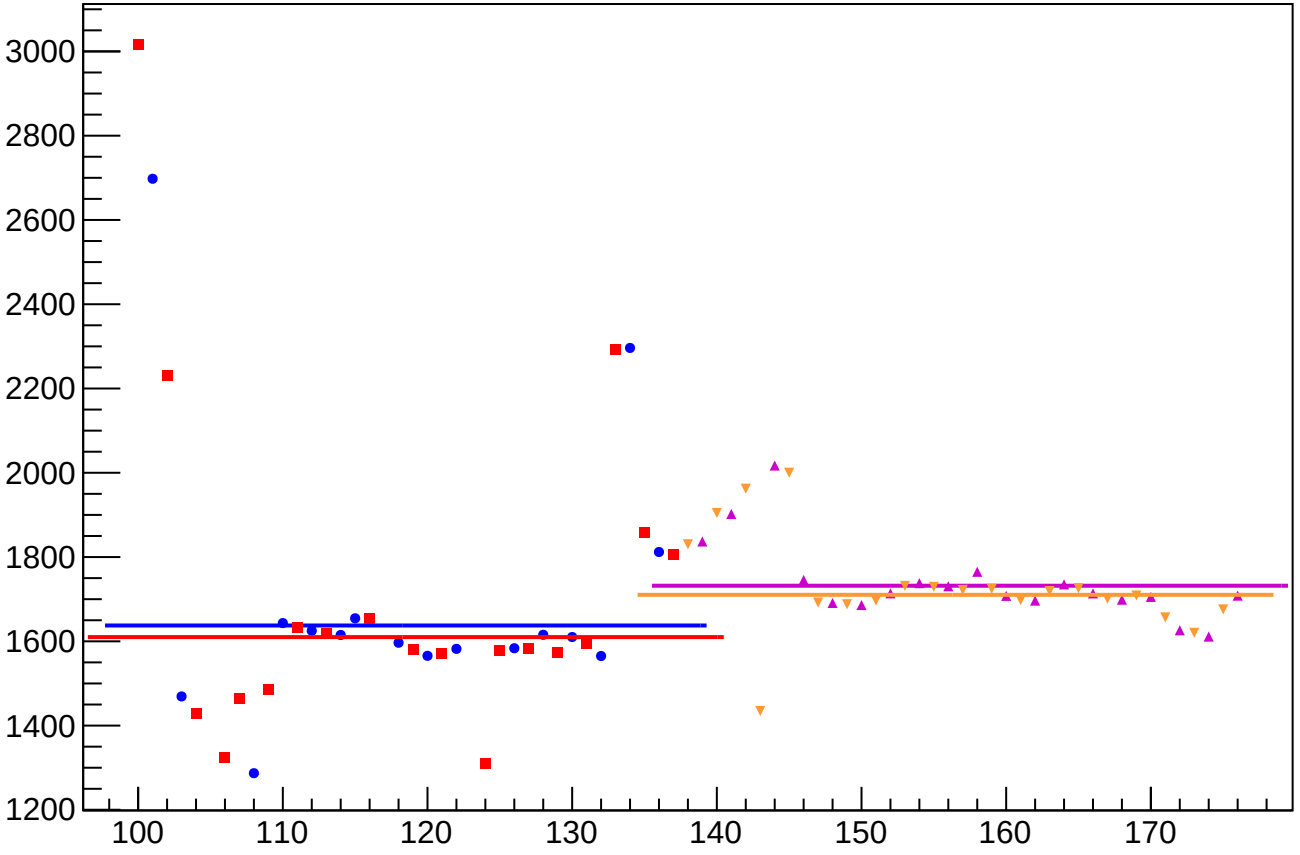
Left In: -280.019+/-439.928 χ^2/NDF:8.8/18

+ sign 706.333+/-352.988 χ^2/NDF: 45.1/35

All: 249.440+/-250.453 χ^2/NDF: 78.0/73

- sign -213.751+/-355.412 χ^2/NDF: 29.6/37

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1710.359+/-0.304 χ^2/NDF:141795.4/19

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

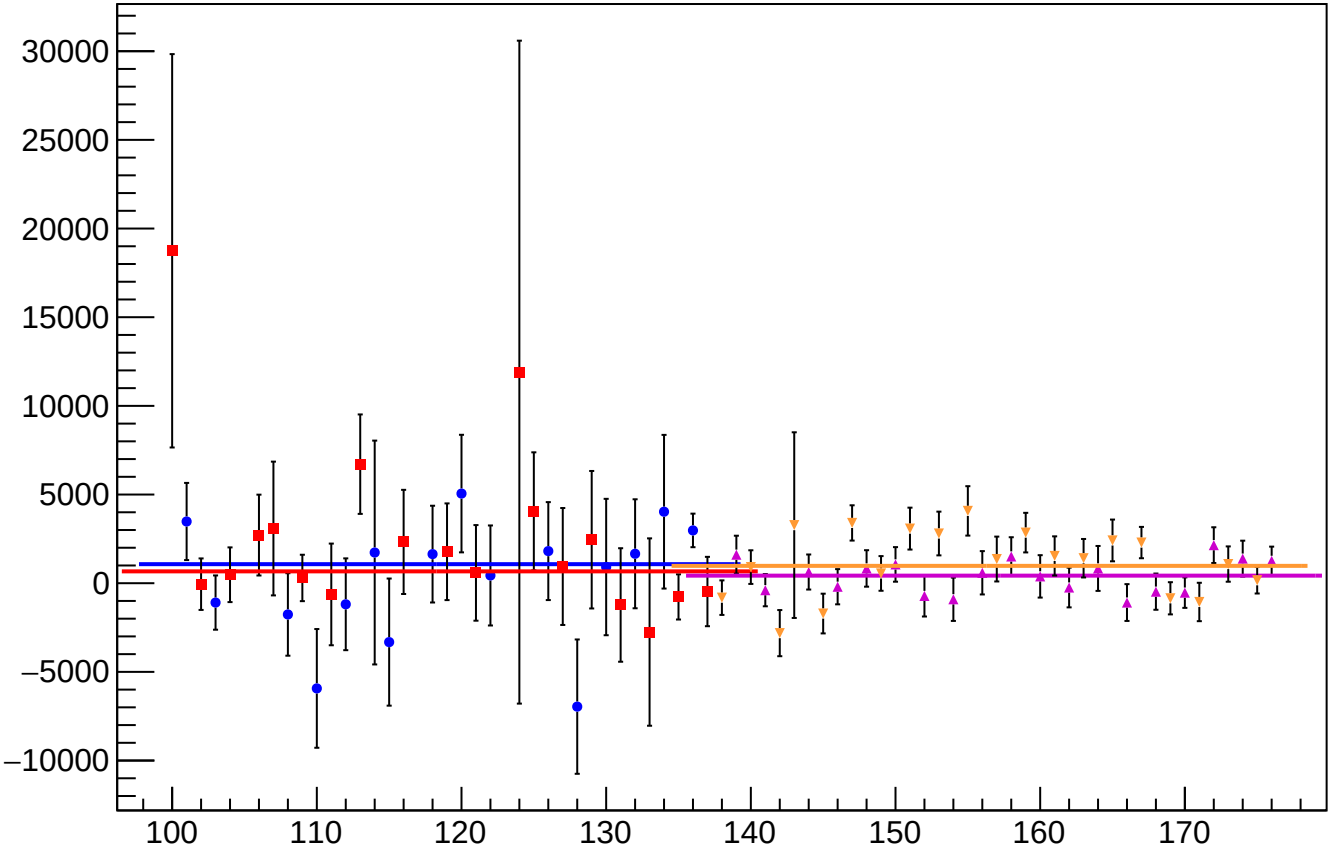
Left In: 1731.948+/-0.311 χ^2/NDF:77813.4/18

+ sign 1686.554+/-0.250 χ^2/NDF: 521927.6/35

All: 1688.071+/-0.177 χ^2/NDF: 933965.6/73

- sign 1689.608+/-0.251 χ^2/NDF: 411963.7/37

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 978.529+/-239.003 χ^2/NDF:50.1/19

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

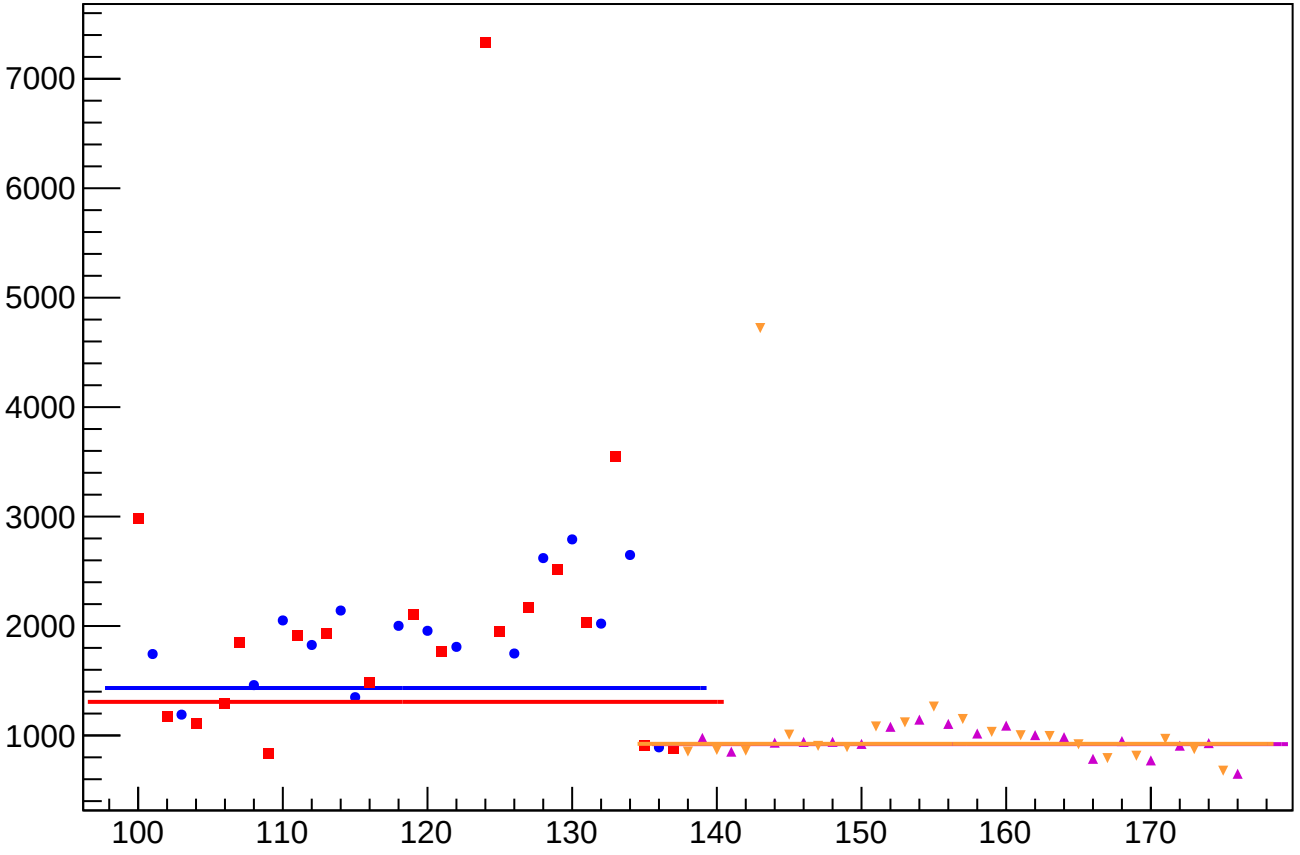
Left In: 426.651+/-236.162 χ^2/NDF:15.7/18

+ sign 992.677+/-220.504 χ^2/NDF: 72.1/35

All: 723.744+/-154.036 χ^2/NDF: 104.5/73

- sign 467.428+/-215.269 χ^2/NDF: 29.5/37

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 923.402+/-0.169 χ^2/NDF:1694329.3/19

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

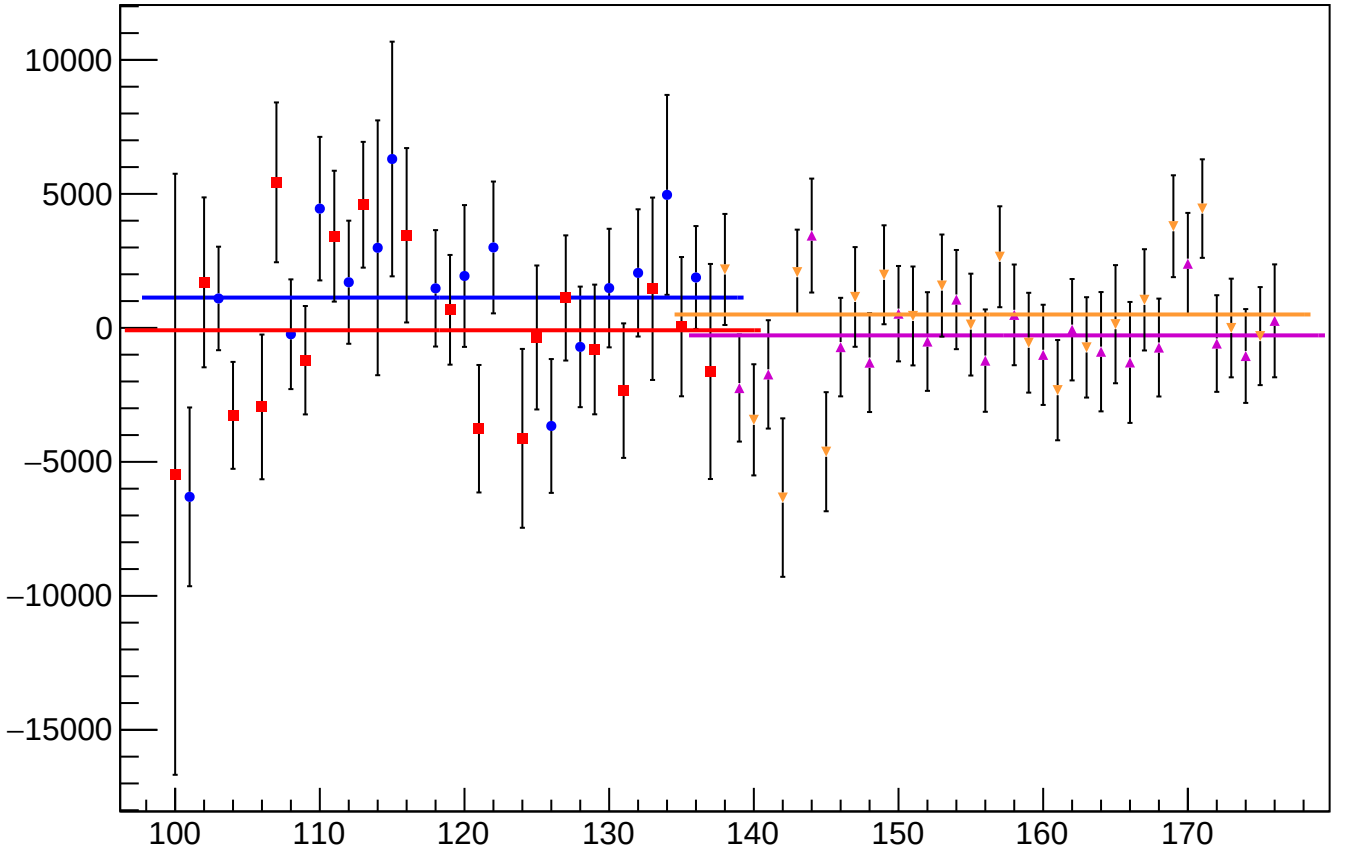
Left In: 920.586+/-0.167 χ^2/NDF:564661.6/18

+ sign 999.306+/-0.156 χ^2/NDF: 4813405.9/35

All: 992.447+/-0.109 χ^2/NDF: 8470616.7/73

- sign 985.910+/-0.152 χ^2/NDF: 3653431.1/37

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 500.073+/-430.298 χ^2/NDF:29.4/19

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

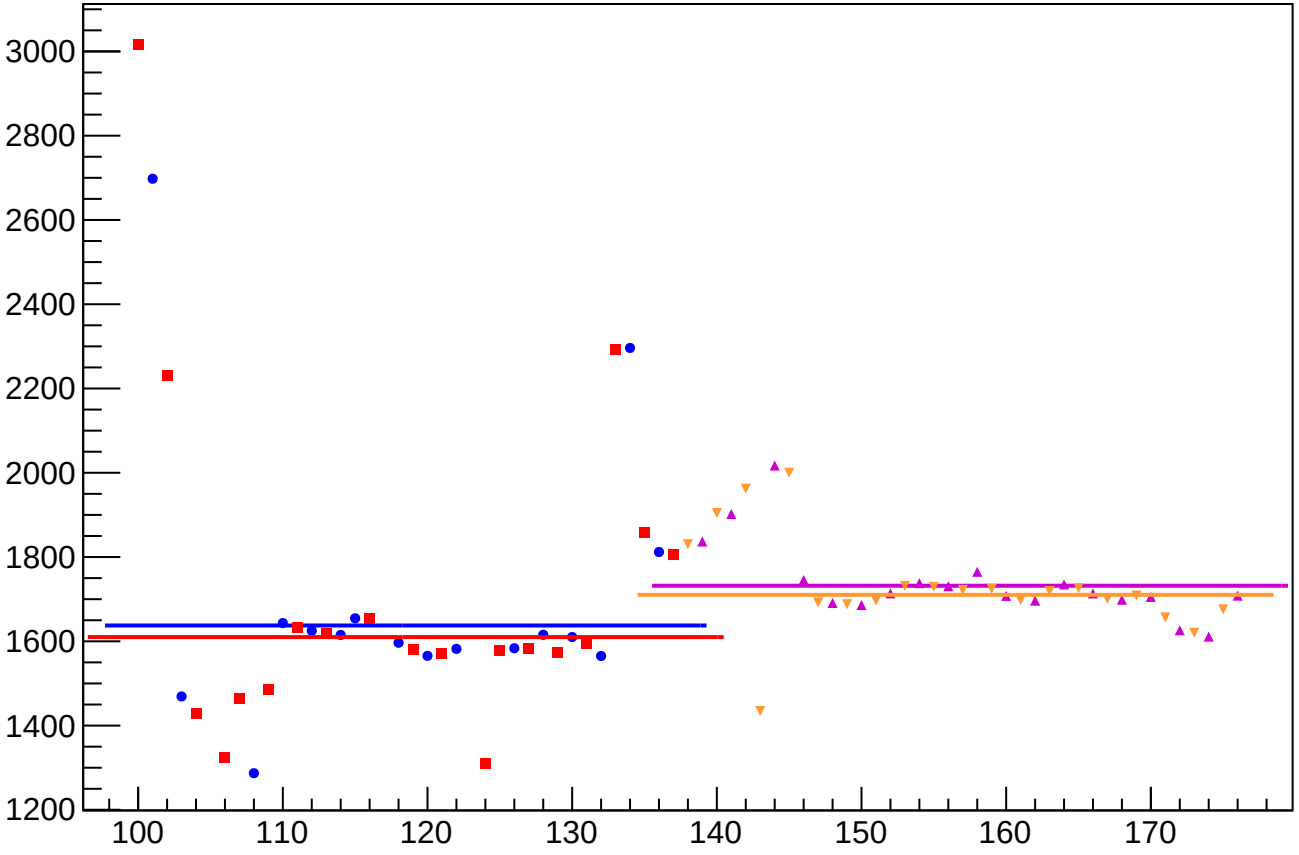
Left In: -280.020+/-439.928 χ^2/NDF:8.8/18

+ sign 706.330+/-352.988 χ^2/NDF: 45.1/35

All: 249.437+/-250.453 χ^2/NDF: 78.0/73

- sign -213.754+/-355.412 χ^2/NDF: 29.6/37

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1710.359+/-0.304 χ^2/NDF:141794.7/19

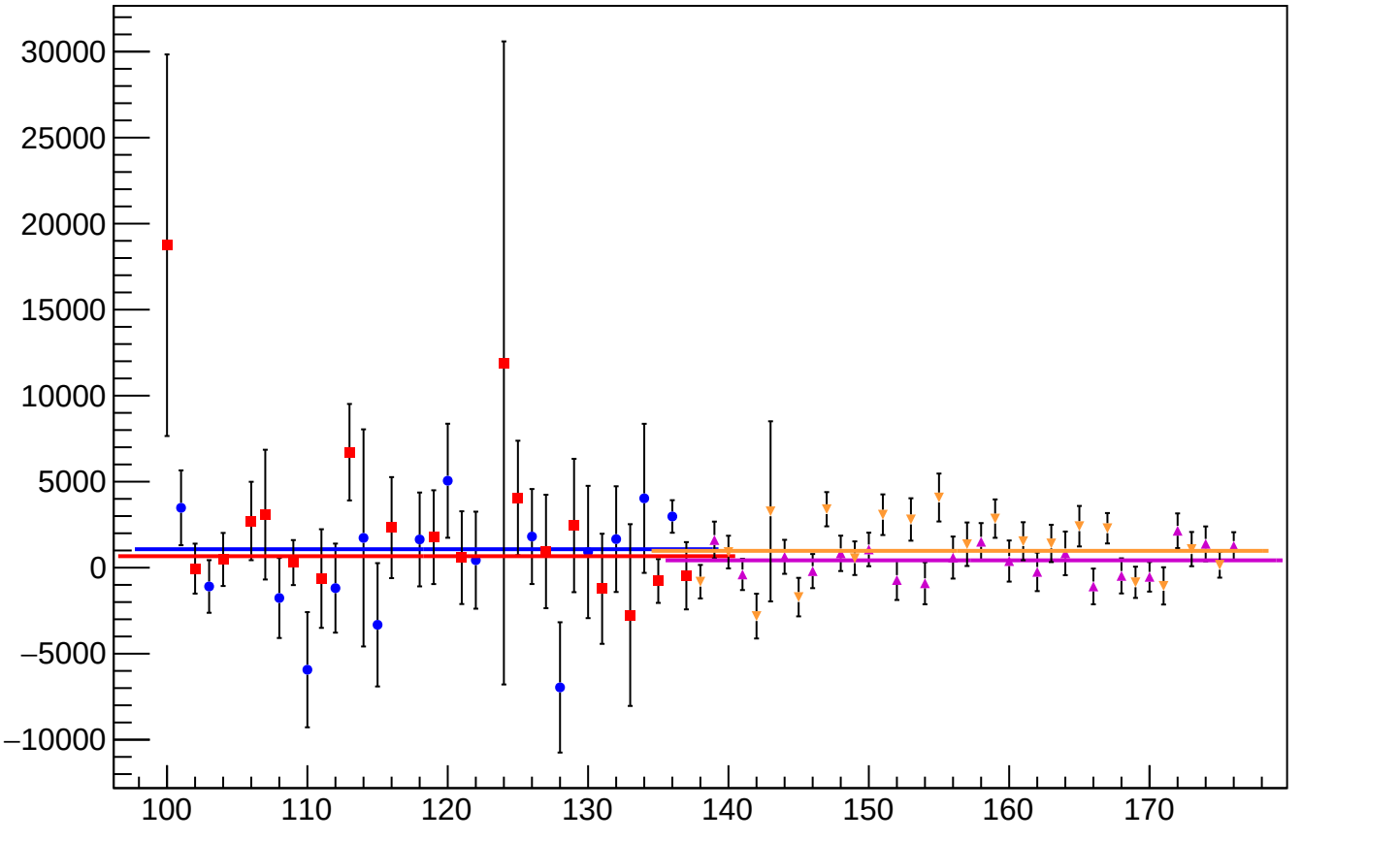
Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1731.948+/-0.311 χ^2/NDF:77813.9/18

\+ sign 1686.554+/-0.250 χ^2/NDF: 521926.8/35

All: 1688.071+/-0.177 χ^2/NDF: 933965.4/73

\- sign 1689.608+/-0.251 χ^2/NDF: 411964.3/37



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 978.534+/-239.003 χ^2/NDF:50.1/19

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

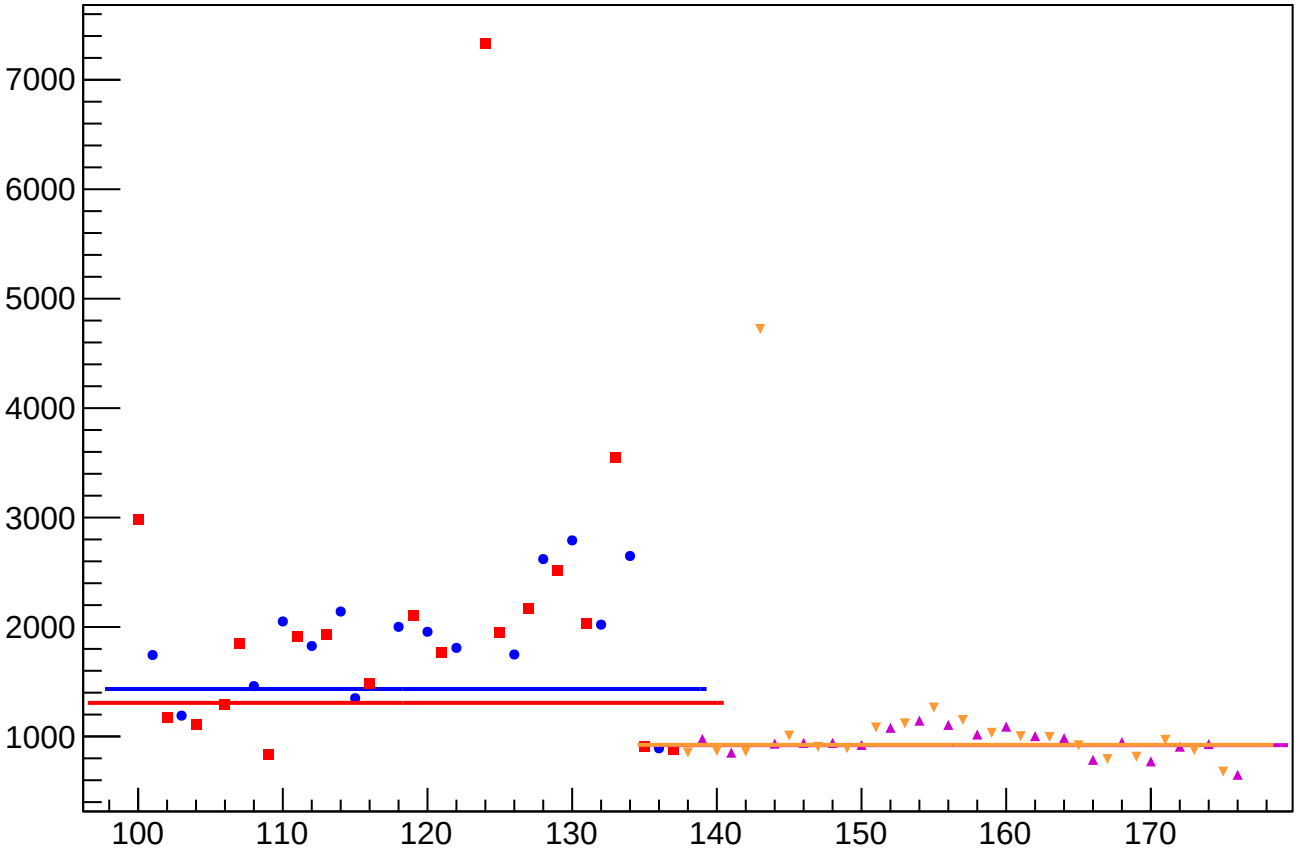
Left In: 426.649+/-236.162 χ^2/NDF:15.7/18

+ sign 992.679+/-220.504 χ^2/NDF: 72.1/35

All: 723.744+/-154.036 χ^2/NDF: 104.5/73

- sign 467.427+/-215.269 χ^2/NDF: 29.5/37

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 923.403+/-0.169 χ^2/NDF:1694317.0/19

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

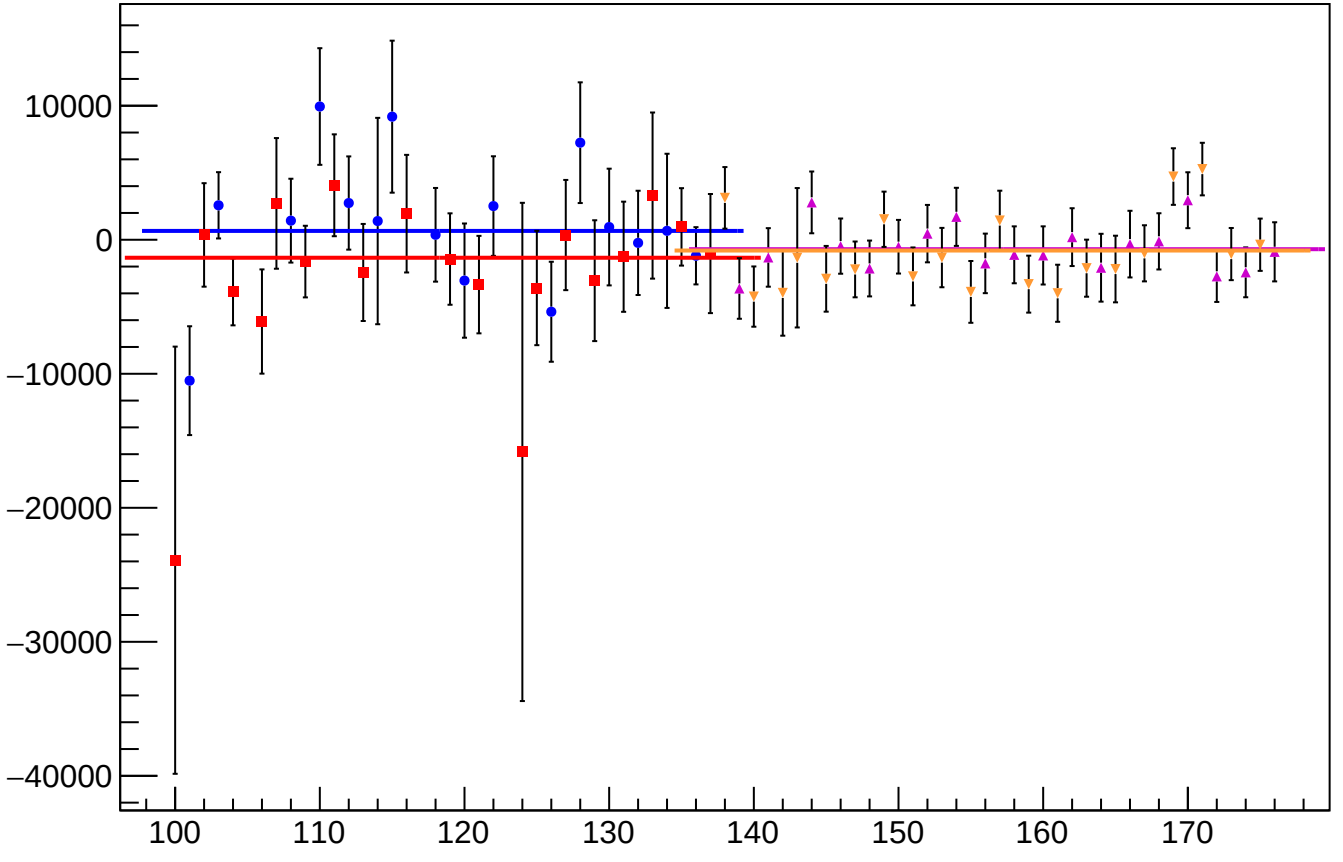
Left In: 920.586+/-0.167 χ^2/NDF:564664.3/18

\+ sign 999.309+/-0.156 χ^2/NDF: 4813360.2/35

All: 992.449+/-0.109 χ^2/NDF: 8470557.4/73

\- sign 985.911+/-0.152 χ^2/NDF: 3653416.8/37

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -803.248+/-498.326 χ^2/NDF:33.2/19

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

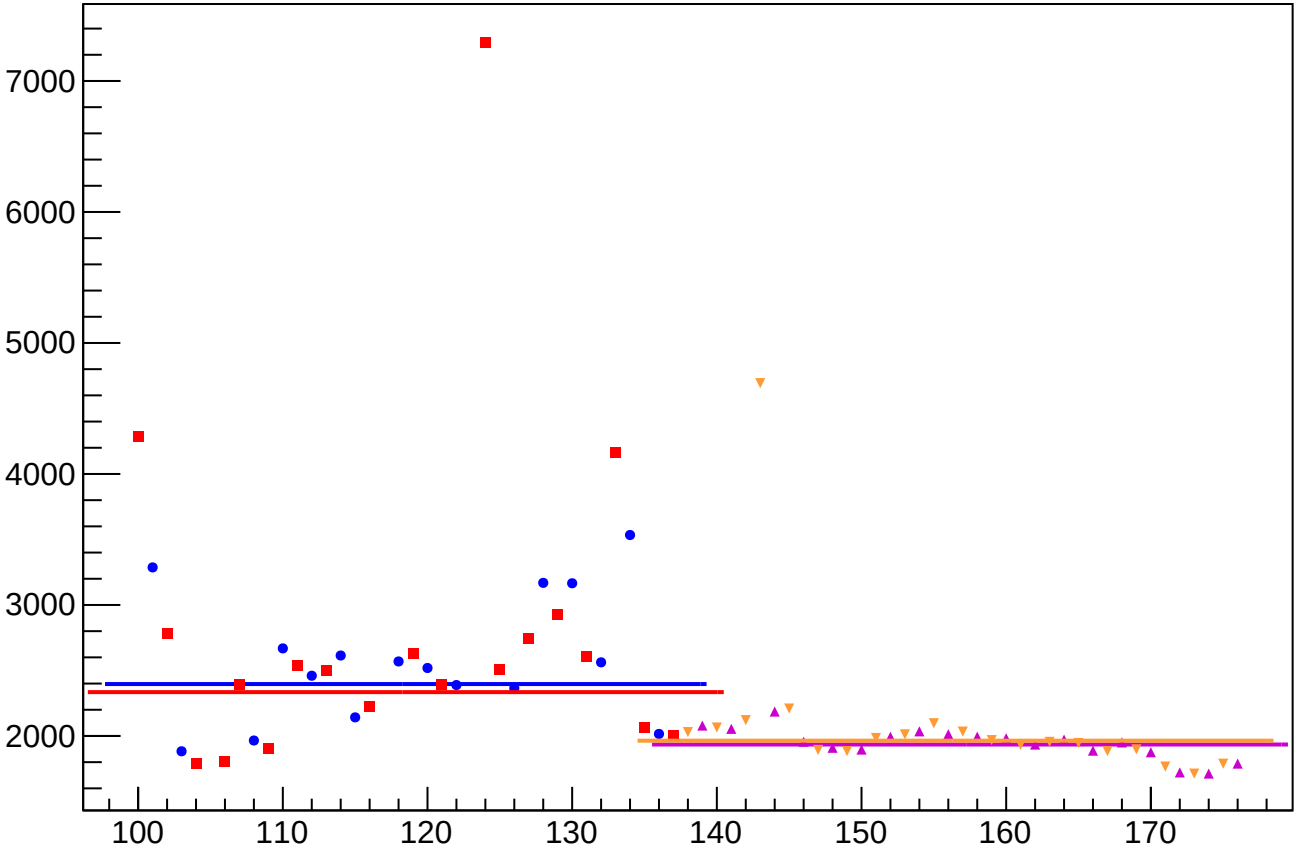
Left In: -703.750+/-491.745 χ^2/NDF:12.0/18

+ sign -465.560+/-437.034 χ^2/NDF: 57.2/35

All: -662.144+/-306.686 χ^2/NDF: 80.9/73

- sign -852.877+/-430.481 χ^2/NDF: 23.3/37

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1963.979+/-0.352 χ^2/NDF:671526.1/19

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

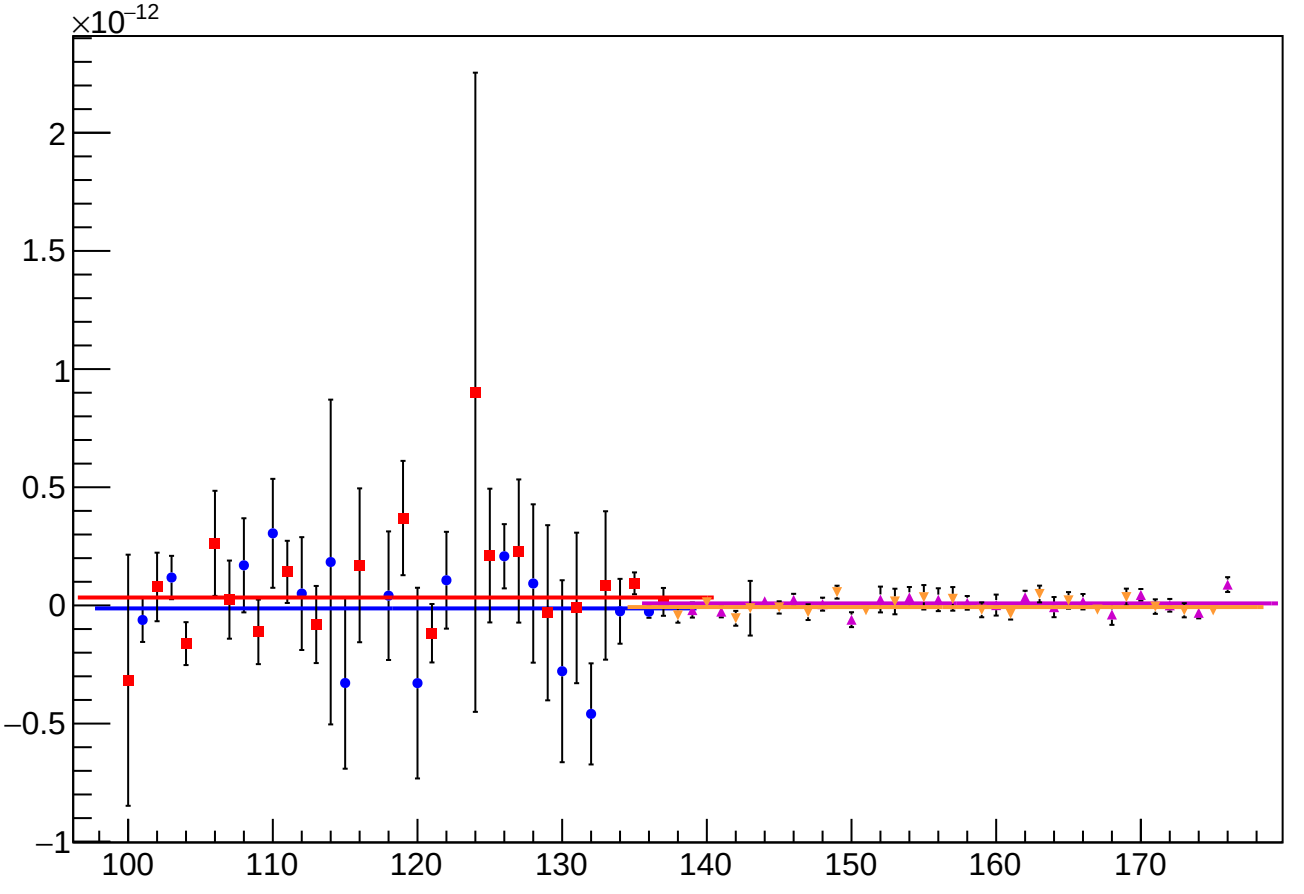
Left In: 1934.685+/-0.348 χ^2/NDF:115092.8/18

+ sign 2063.782+/-0.309 χ^2/NDF: 1526899.1/35

All: 2045.684+/-0.217 χ^2/NDF: 2639375.0/73

- sign 2028.125+/-0.304 χ^2/NDF: 1105718.7/37

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:19.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

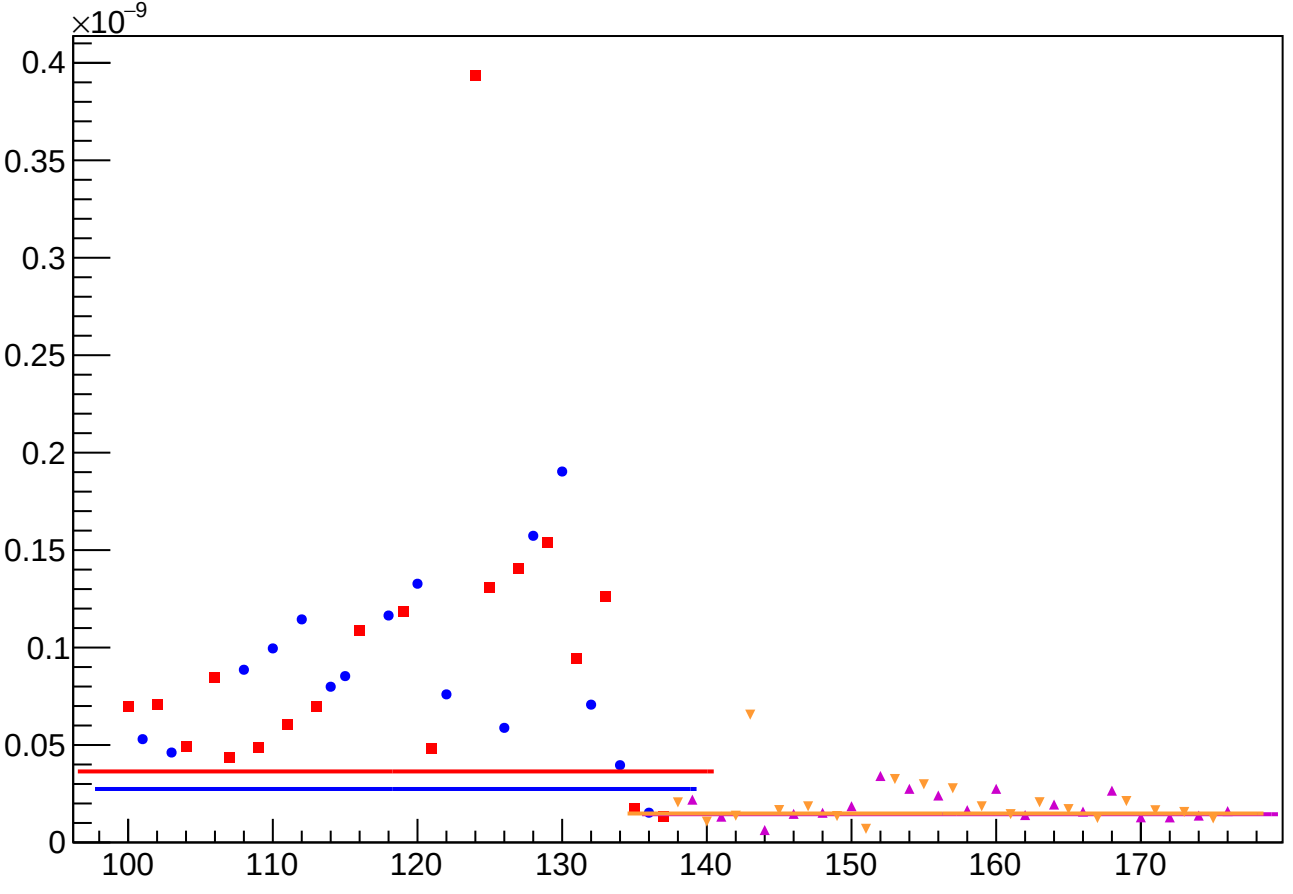
Left In: 0.000+/-0.000 χ^2/NDF:22.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 34.0/35

All: 0.000+/-0.000 χ^2/NDF: 76.4/73

- sign 0.000+/-0.000 χ^2/NDF: 38.5/37

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1683125.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

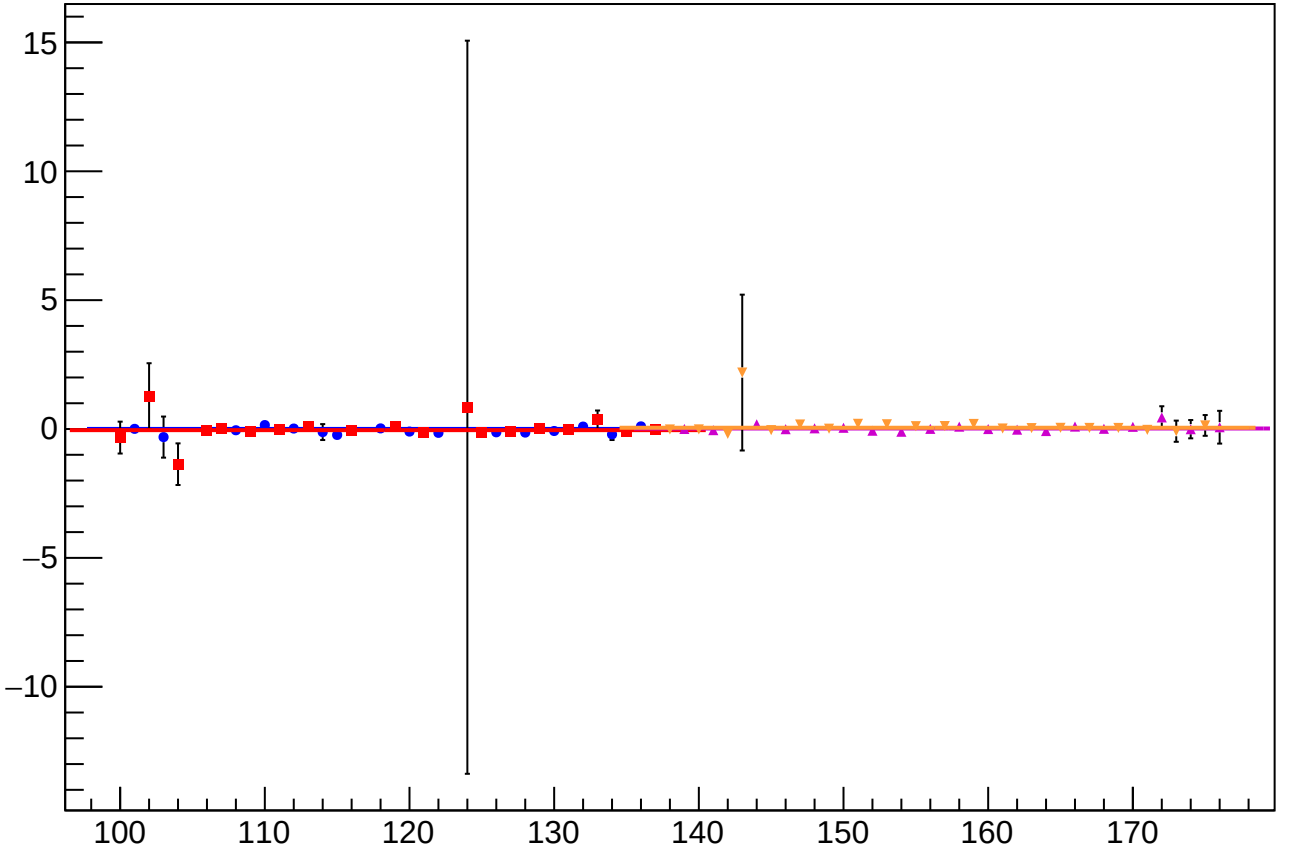
Left In: 0.000+/-0.000 χ^2/NDF:1744114.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 5005259.8/35

All: 0.000+/-0.000 χ^2/NDF: 10360908.9/73

- sign 0.000+/-0.000 χ^2/NDF: 5354488.5/37

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

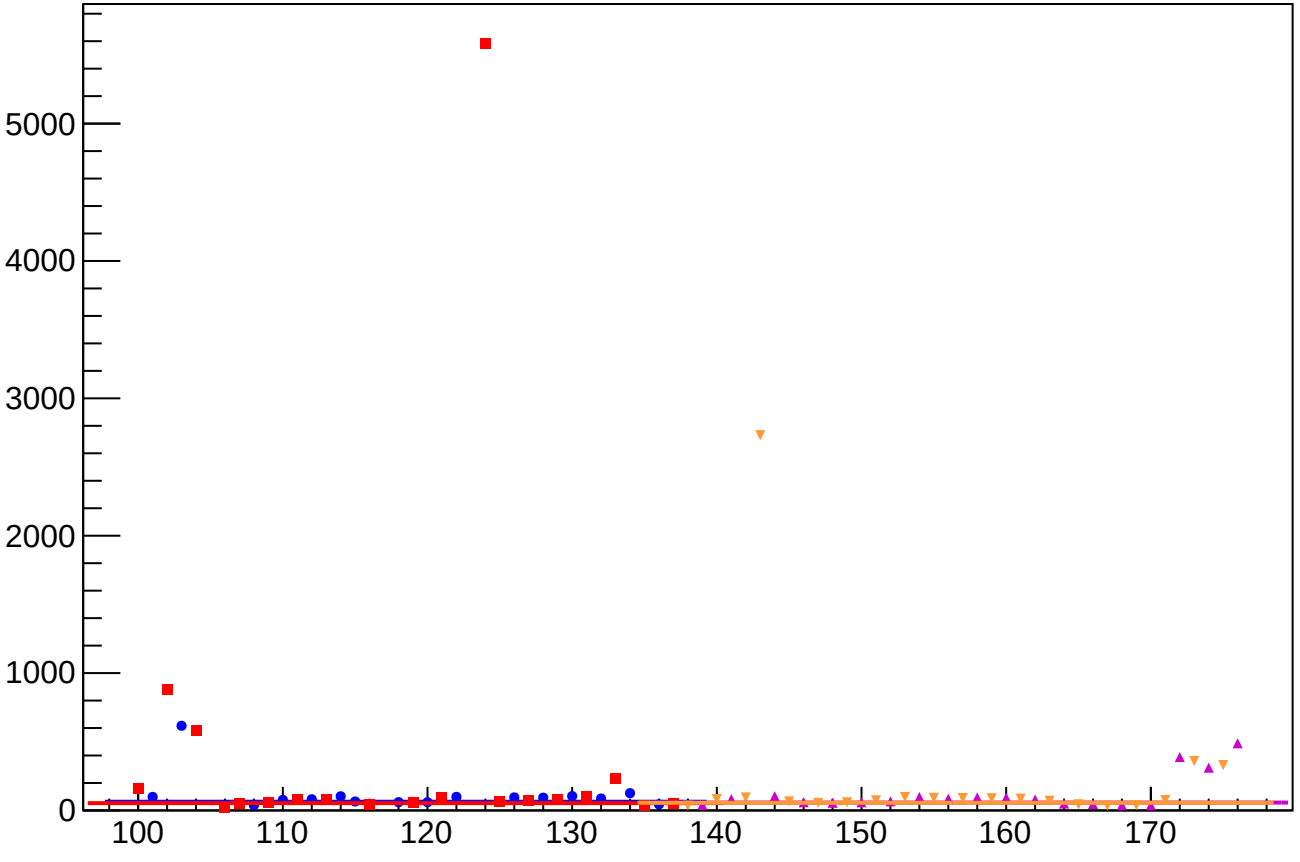
Left In: 0.020+/-0.017 χ^2/NDF:12.8/18

+ sign 0.036+/-0.014 χ^2/NDF: 35.2/35

All: 0.017+/-0.010 χ^2/NDF: 68.4/73

- sign -0.001+/-0.014 χ^2/NDF: 29.9/37

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.867+/-0.012 χ^2/NDF:6580802.0/19

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

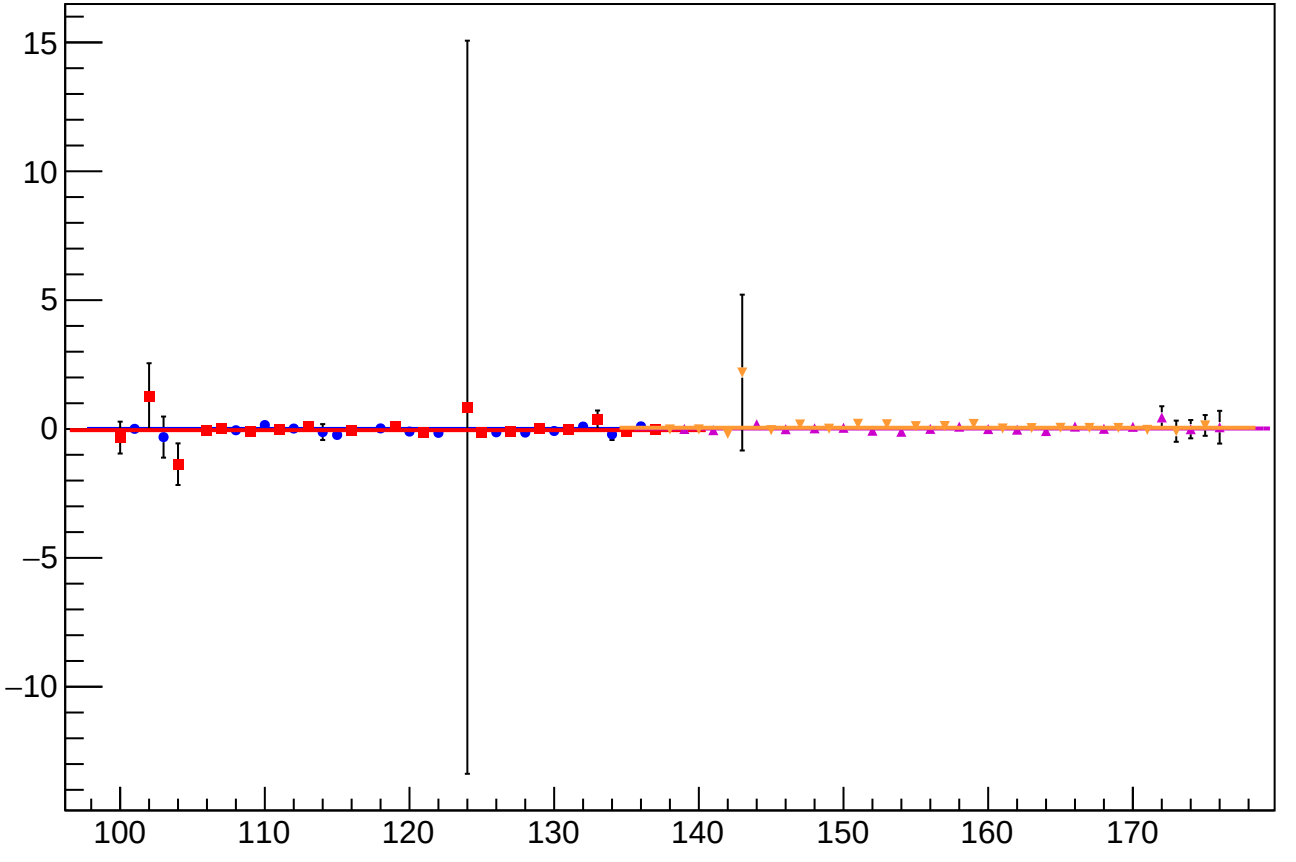
Left In: 57.409+/-0.012 χ^2/NDF:5788261.5/18

+ sign 58.006+/-0.010 χ^2/NDF: 9137693.5/35

All: 57.006+/-0.007 χ^2/NDF: 18929224.4/73

- sign 56.053+/-0.010 χ^2/NDF: 9772825.1/37

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: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

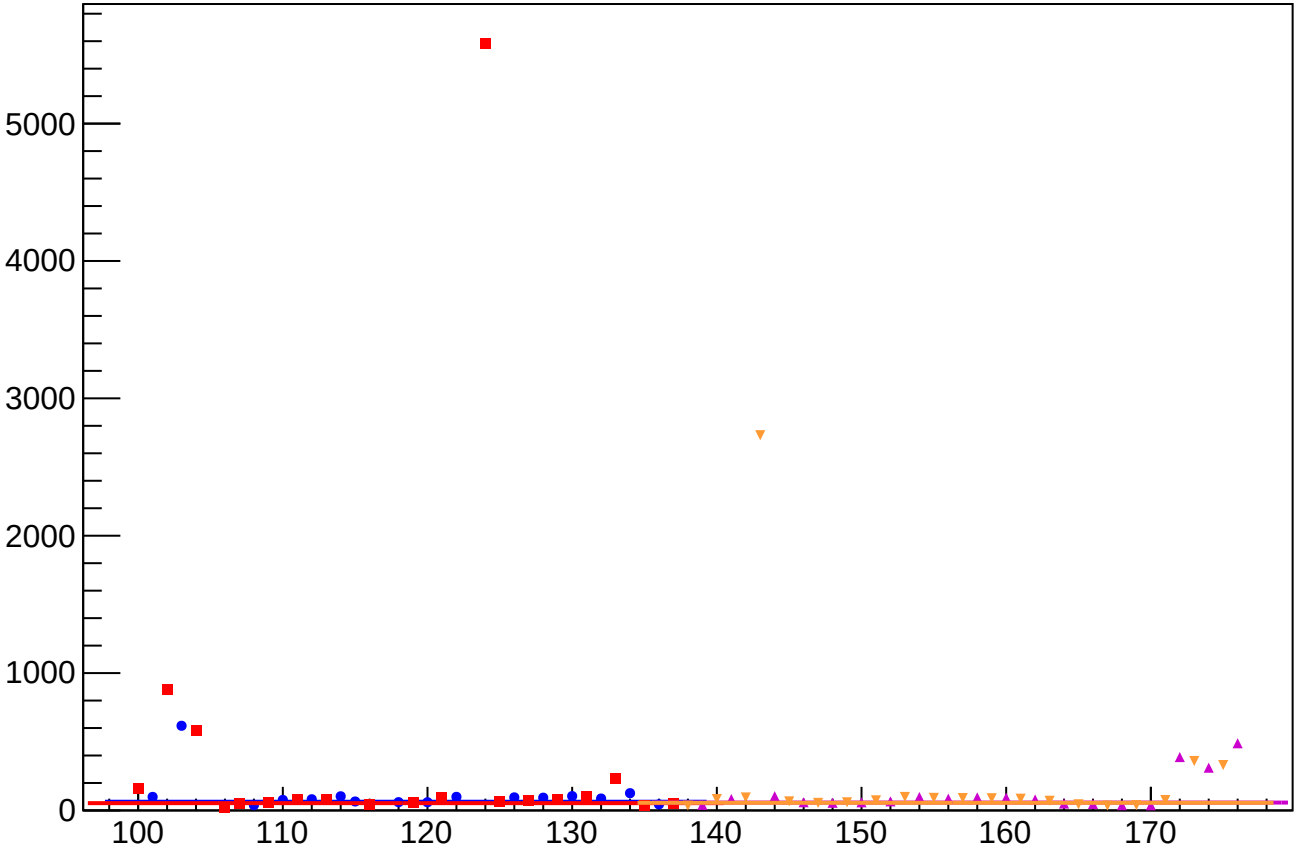
Left In: 0.020+/-0.017 χ^2/NDF:12.8/18

+ sign 0.036+/-0.014 χ^2/NDF: 35.2/35

All: 0.017+/-0.010 χ^2/NDF: 68.4/73

- sign -0.001+/-0.014 χ^2/NDF: 29.9/37

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: 55.867+/-0.012 χ^2/NDF:6580802.0/19

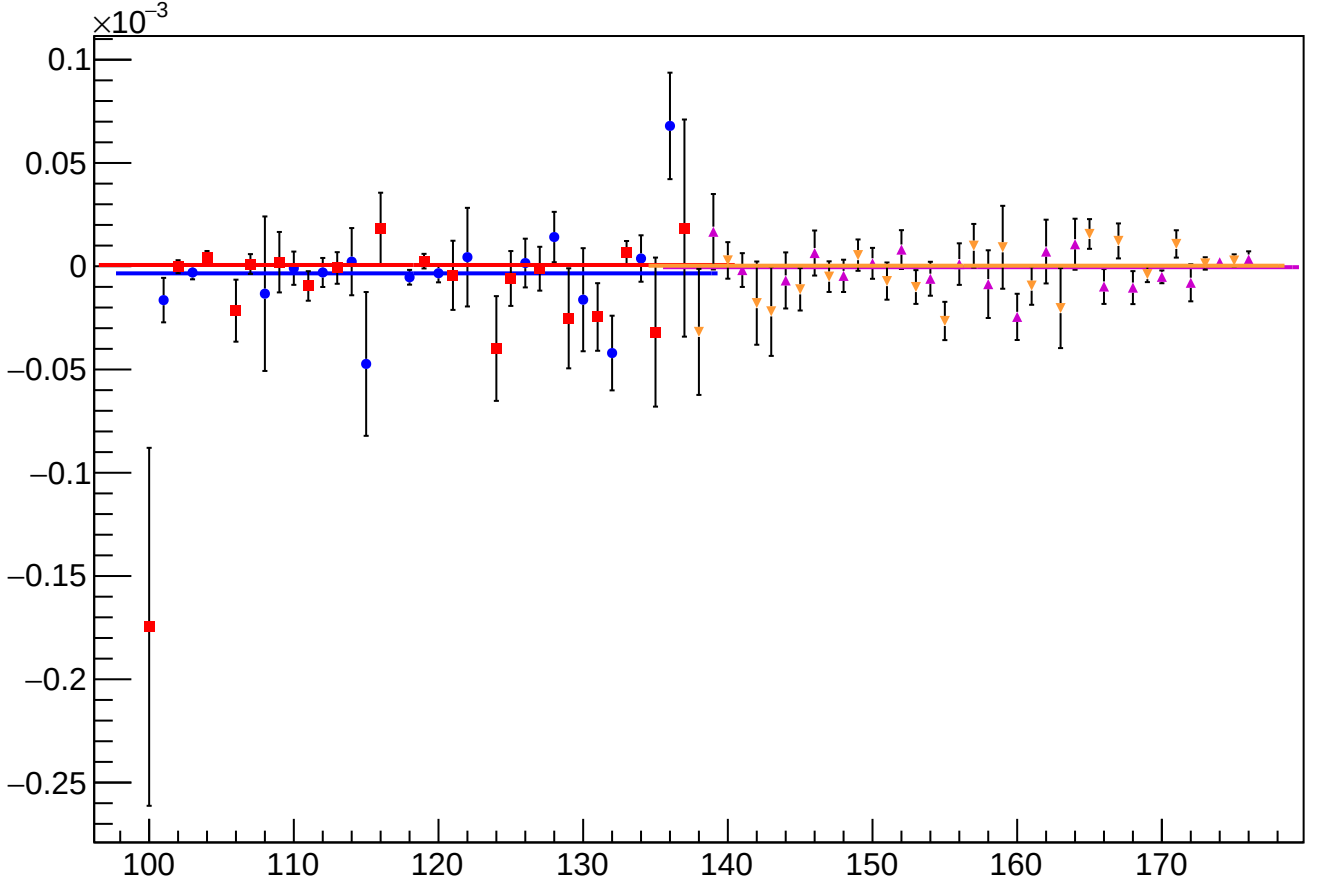
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.409+/-0.012 χ^2/NDF:5788261.5/18

\+ sign 58.006+/-0.010 χ^2/NDF: 9137693.5/35

All: 57.006+/-0.007 χ^2/NDF: 18929224.4/73

\- sign 56.053+/-0.010 χ^2/NDF: 9772825.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.1/19

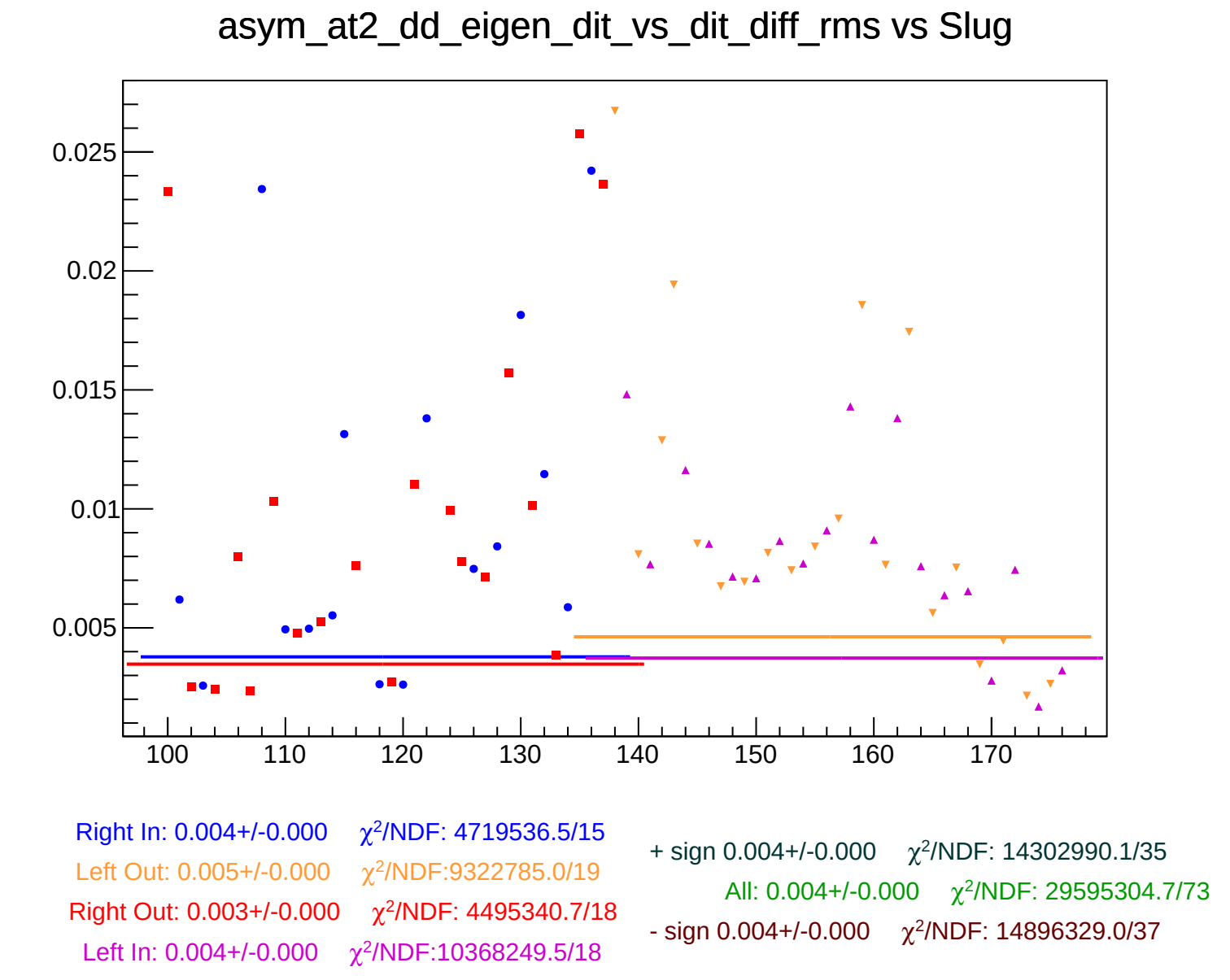
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

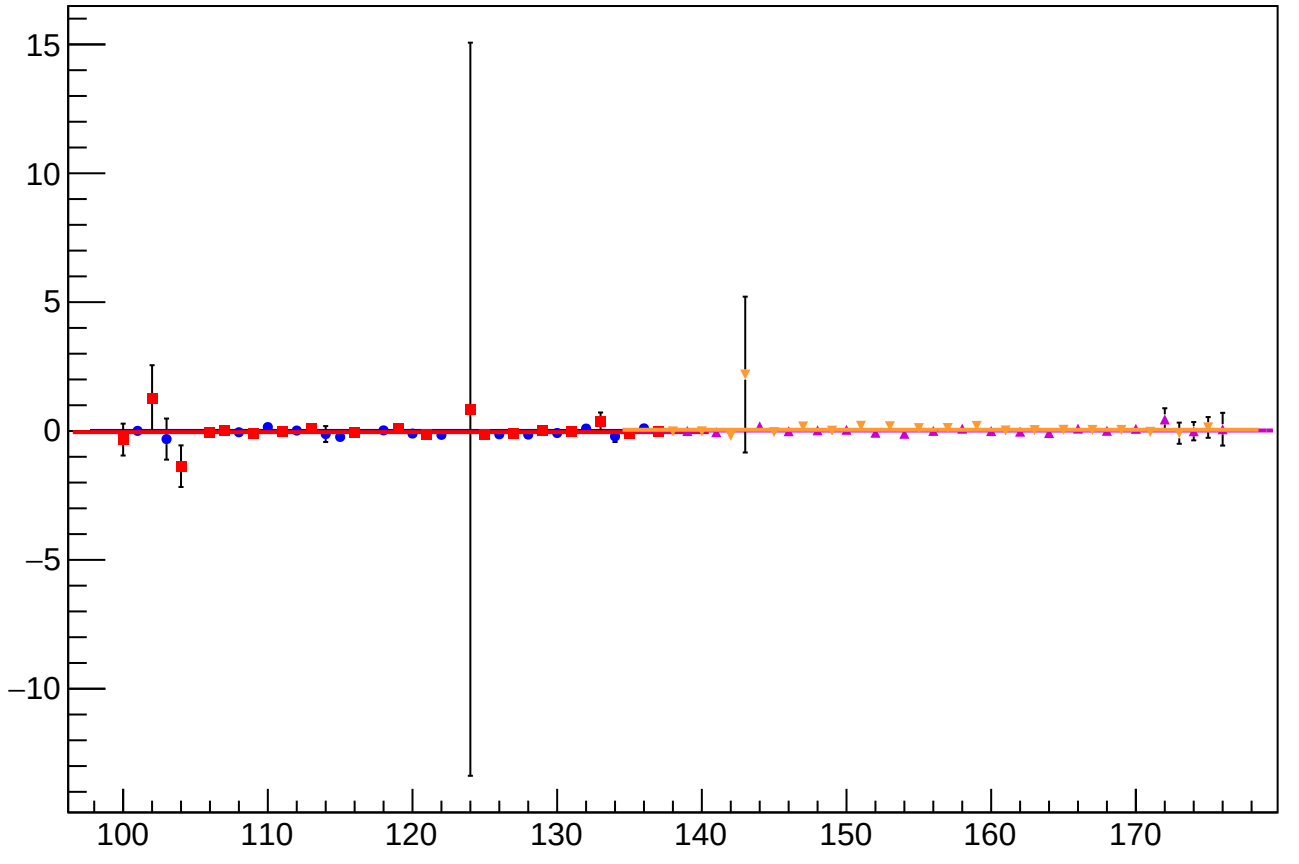
Left In: -0.000+/-0.000 χ^2/NDF:17.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 51.5/35

All: -0.000+/-0.000 χ^2/NDF: 88.9/73

- sign -0.000+/-0.000 χ^2/NDF: 36.8/37


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.004+/-0.000 χ²/NDF: 4719536.5/15
Left Out: 0.005+/-0.000 χ²/NDF:9322785.0/19
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.004+/-0.000 χ²/NDF:10368249.5/18
+ sign 0.004+/-0.000 χ²/NDF: 14302990.1/35
All: 0.004+/-0.000 χ²/NDF: 29595304.7/73
- sign 0.004+/-0.000 χ²/NDF: 14896329.0/37



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

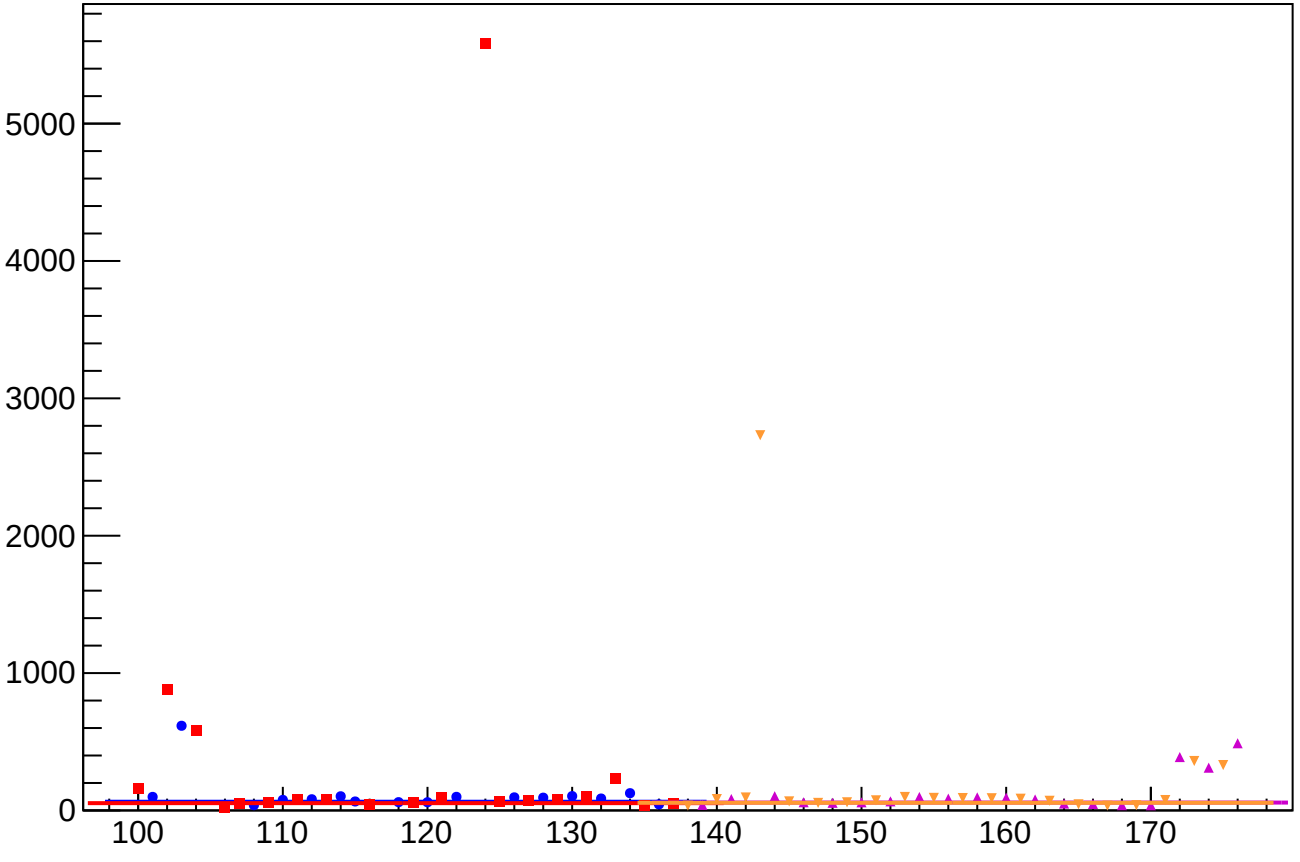
Left In: 0.020+/-0.017 χ^2/NDF:12.8/18

+ sign 0.036+/-0.014 χ^2/NDF: 35.3/35

All: 0.017+/-0.010 χ^2/NDF: 68.4/73

- sign -0.001+/-0.014 χ^2/NDF: 29.9/37

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: 55.866+/-0.012 χ^2/NDF:6580526.8/19

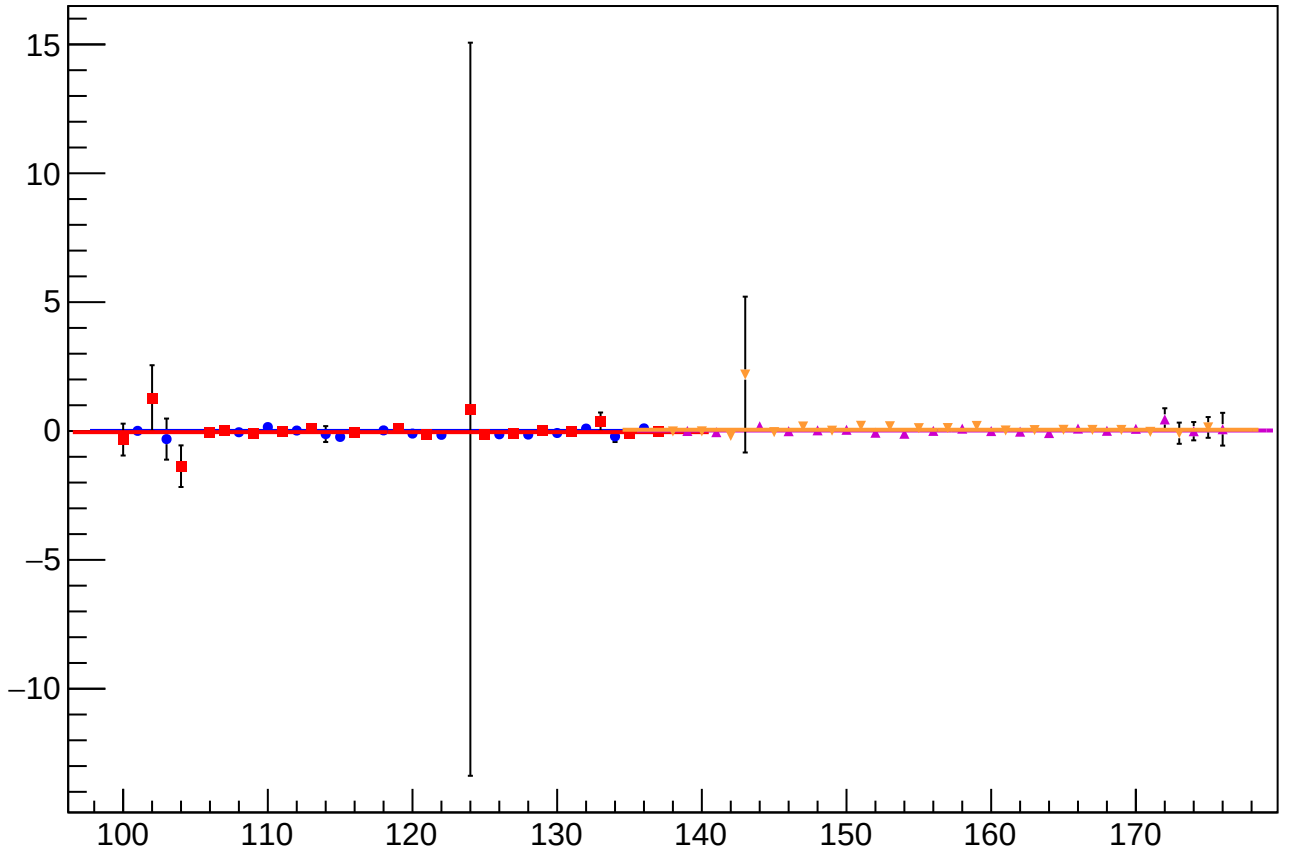
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.412+/-0.012 χ^2/NDF:5787791.3/18

+ sign 58.007+/-0.010 χ^2/NDF: 9136800.9/35

All: 57.007+/-0.007 χ^2/NDF: 18928580.8/73

- sign 56.052+/-0.010 χ^2/NDF: 9773043.7/37



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

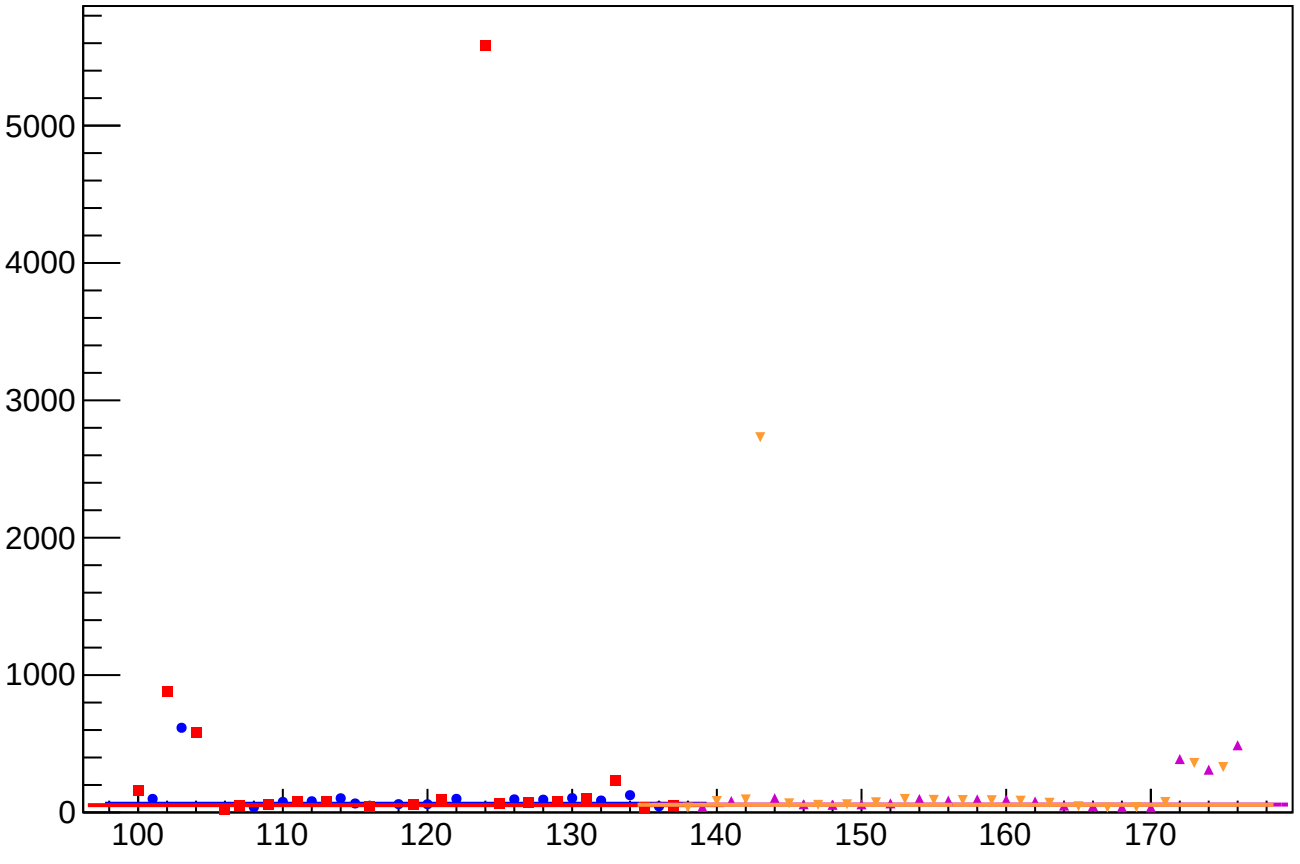
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.020+/-0.017 χ^2/NDF:12.8/18

+ sign 0.036+/-0.014 χ^2/NDF: 35.3/35

All: 0.017+/-0.010 χ^2/NDF: 68.4/73

- sign -0.001+/-0.014 χ^2/NDF: 29.9/37



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.866+/-0.012 χ^2/NDF:6580526.8/19

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

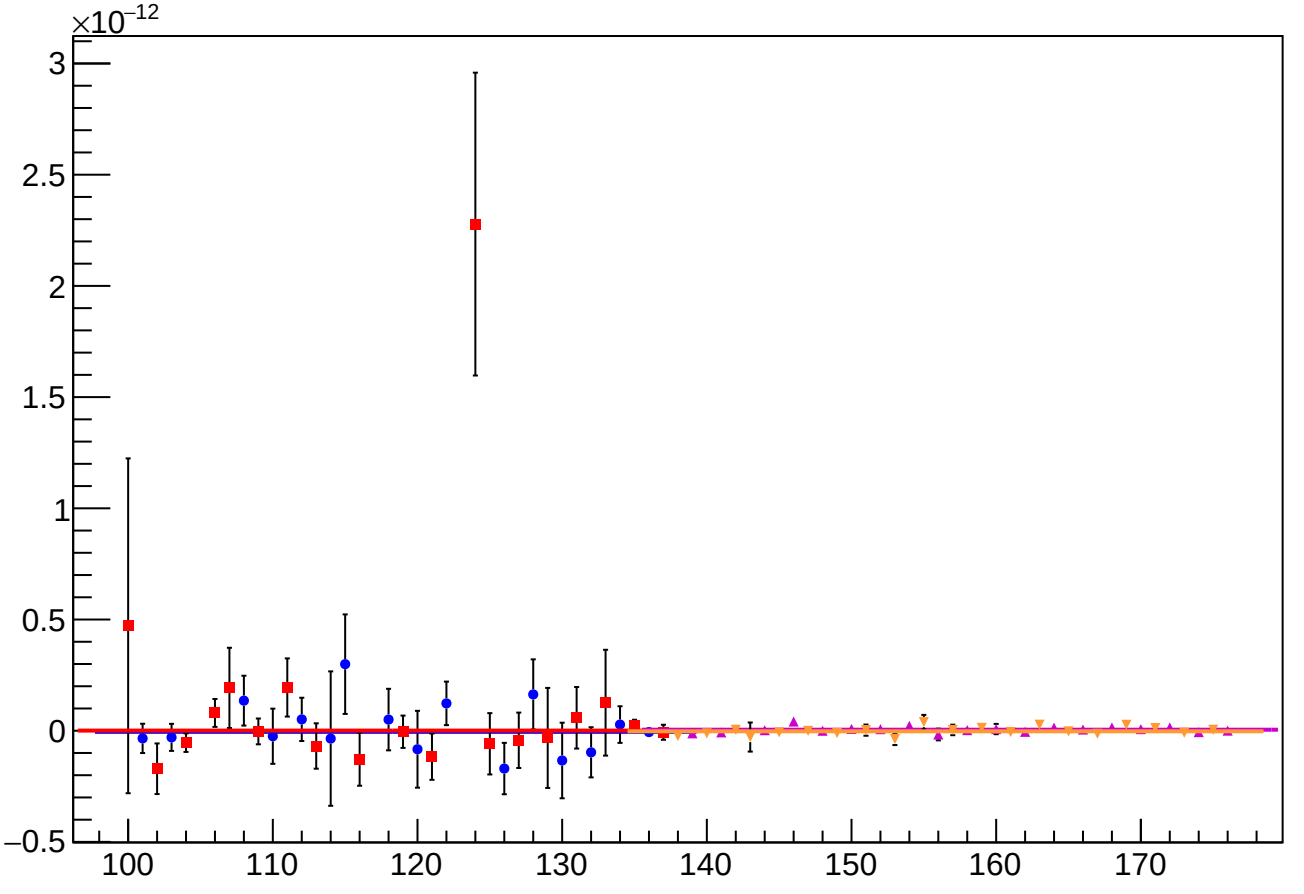
Left In: 57.412+/-0.012 χ^2/NDF:5787791.3/18

\+ sign 58.007+/-0.010 χ^2/NDF: 9136800.9/35

All: 57.007+/-0.007 χ^2/NDF: 18928580.8/73

\- sign 56.052+/-0.010 χ^2/NDF: 9773043.7/37

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:13.9/19

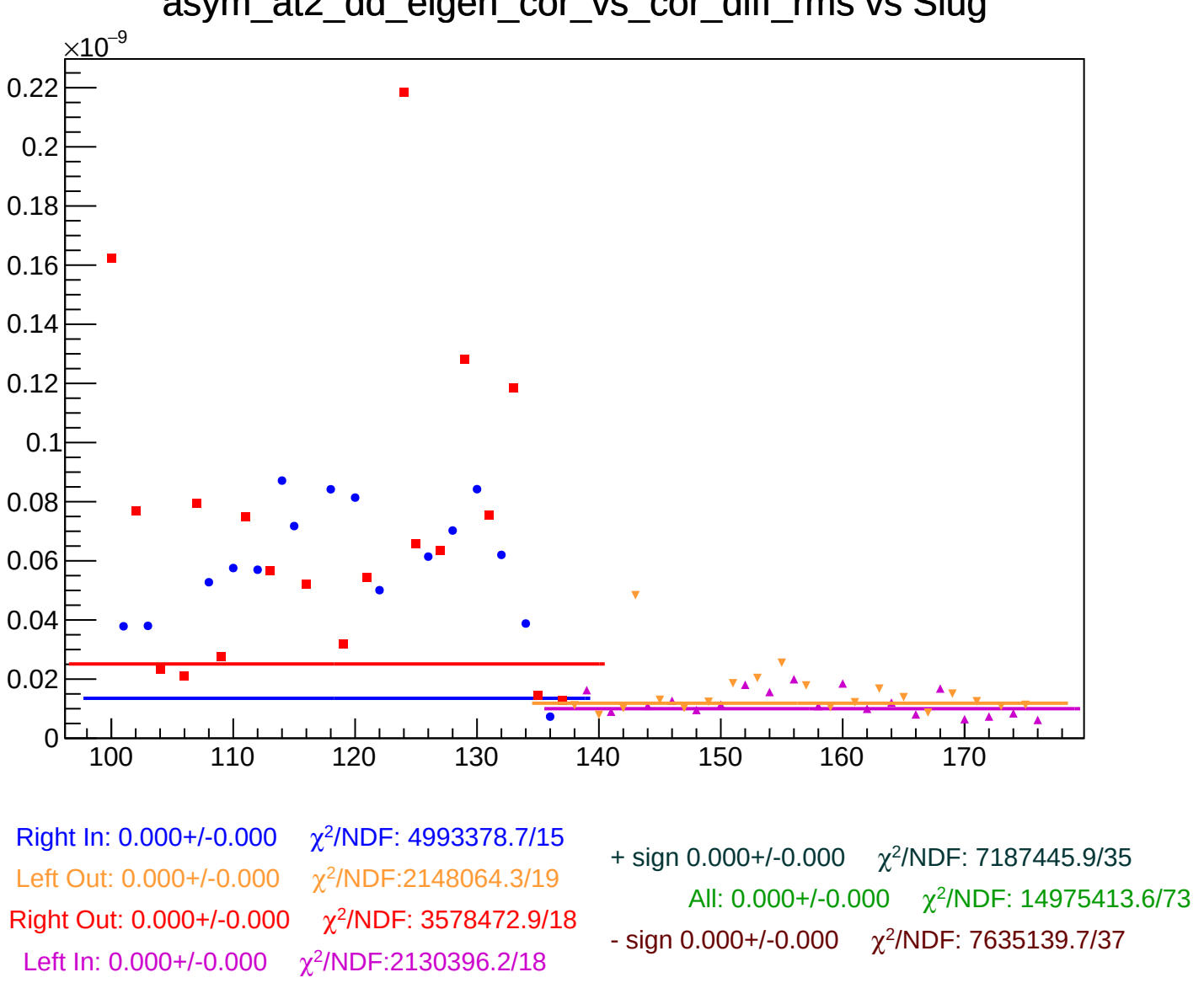
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/18

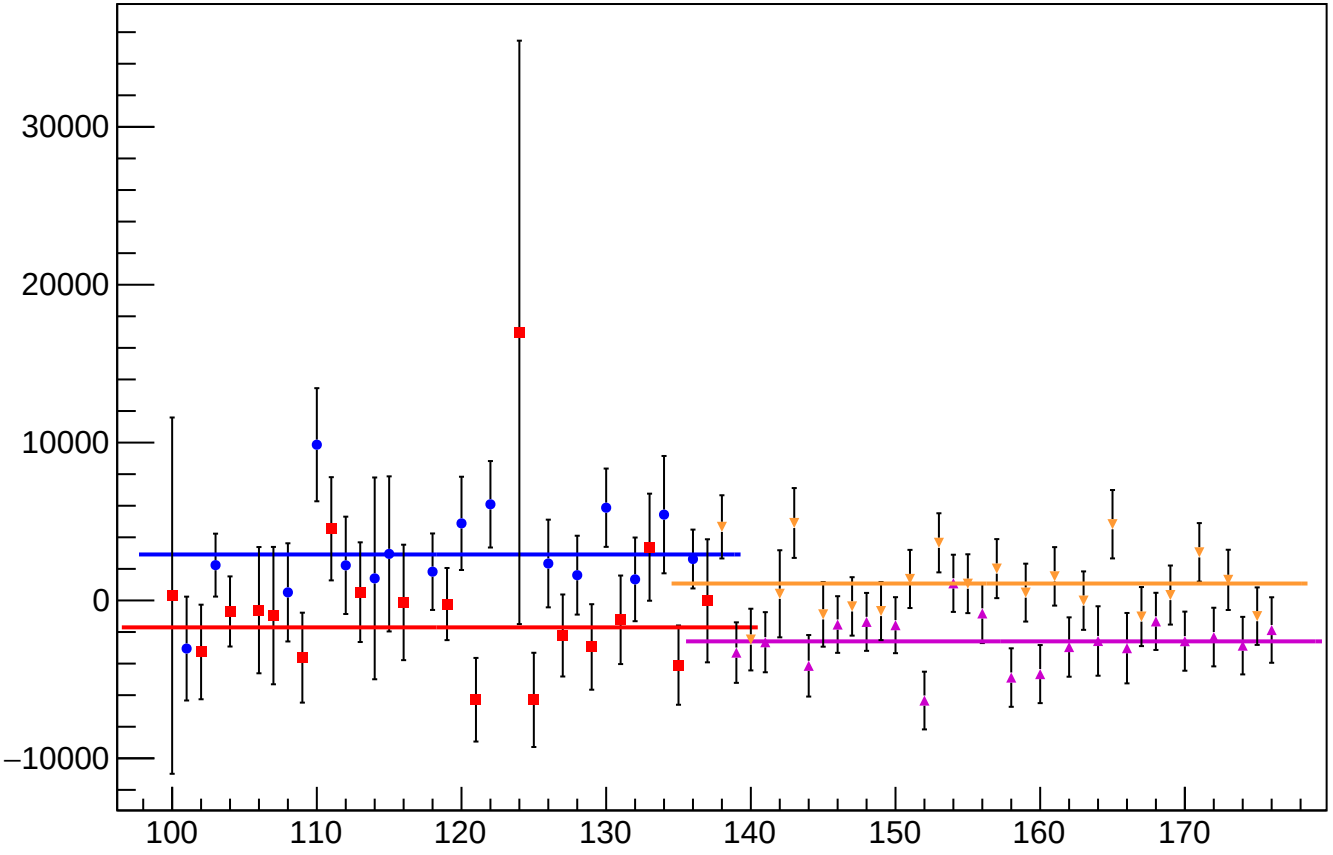
+ sign -0.000+/-0.000 χ^2/NDF: 24.7/35

All: 0.000+/-0.000 χ^2/NDF: 63.2/73

- sign 0.000+/-0.000 χ^2/NDF: 36.2/37


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
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4993378.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2148064.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 3578472.9/18
Left In: 0.000+/-0.000 χ²/NDF:2130396.2/18
+ sign 0.000+/-0.000 χ²/NDF: 7187445.9/35
All: 0.000+/-0.000 χ²/NDF: 14975413.6/73
- sign 0.000+/-0.000 χ²/NDF: 7635139.7/37

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1072.420+/-431.994 χ^2/NDF:21.5/19

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

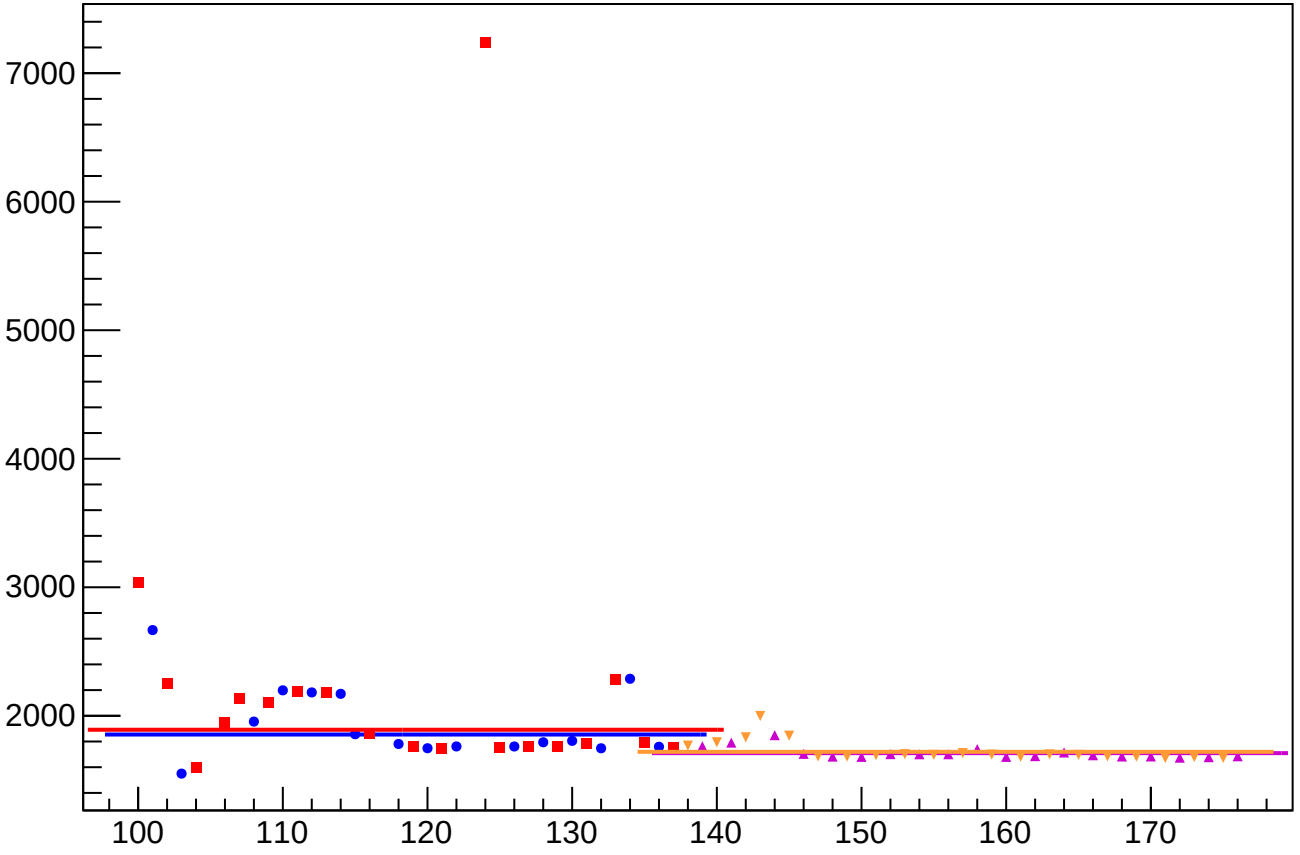
Left In: -2591.848+/-433.762 χ^2/NDF:14.7/18

+ sign 1585.292+/-366.903 χ^2/NDF: 39.0/35

All: -367.016+/-260.424 χ^2/NDF: 127.7/73

- sign -2349.216+/-369.702 χ^2/NDF: 31.6/37

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1719.745+/-0.305 χ^2/NDF:56061.6/19

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

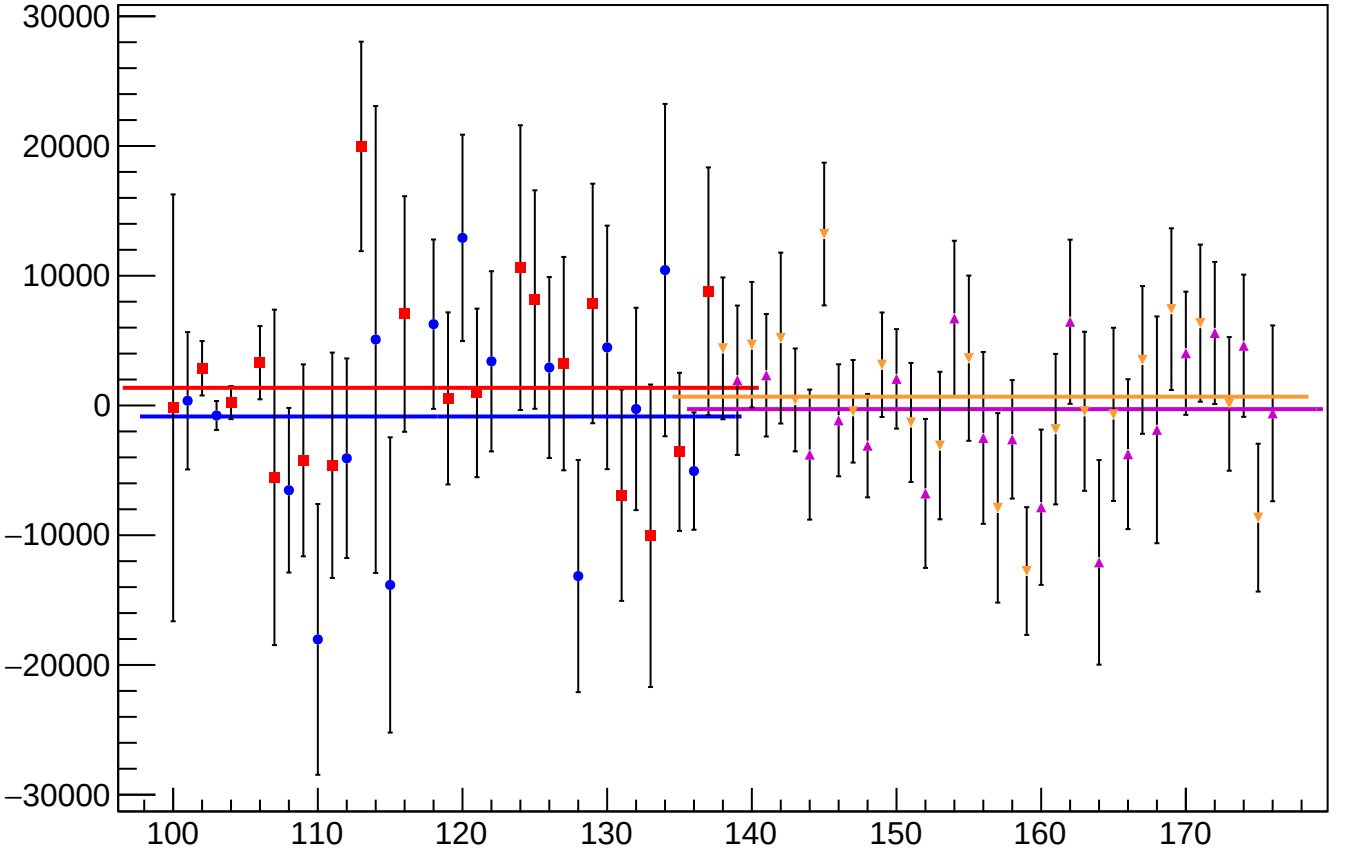
Left In: 1709.458+/-0.307 χ^2/NDF:20512.9/18

+ sign 1757.242+/-0.259 χ^2/NDF: 373461.9/35

All: 1758.322+/-0.184 χ^2/NDF: 854718.5/73

- sign 1759.417+/-0.261 χ^2/NDF: 481221.7/37

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 676.644+/-1181.970 χ^2/NDF:22.2/19

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

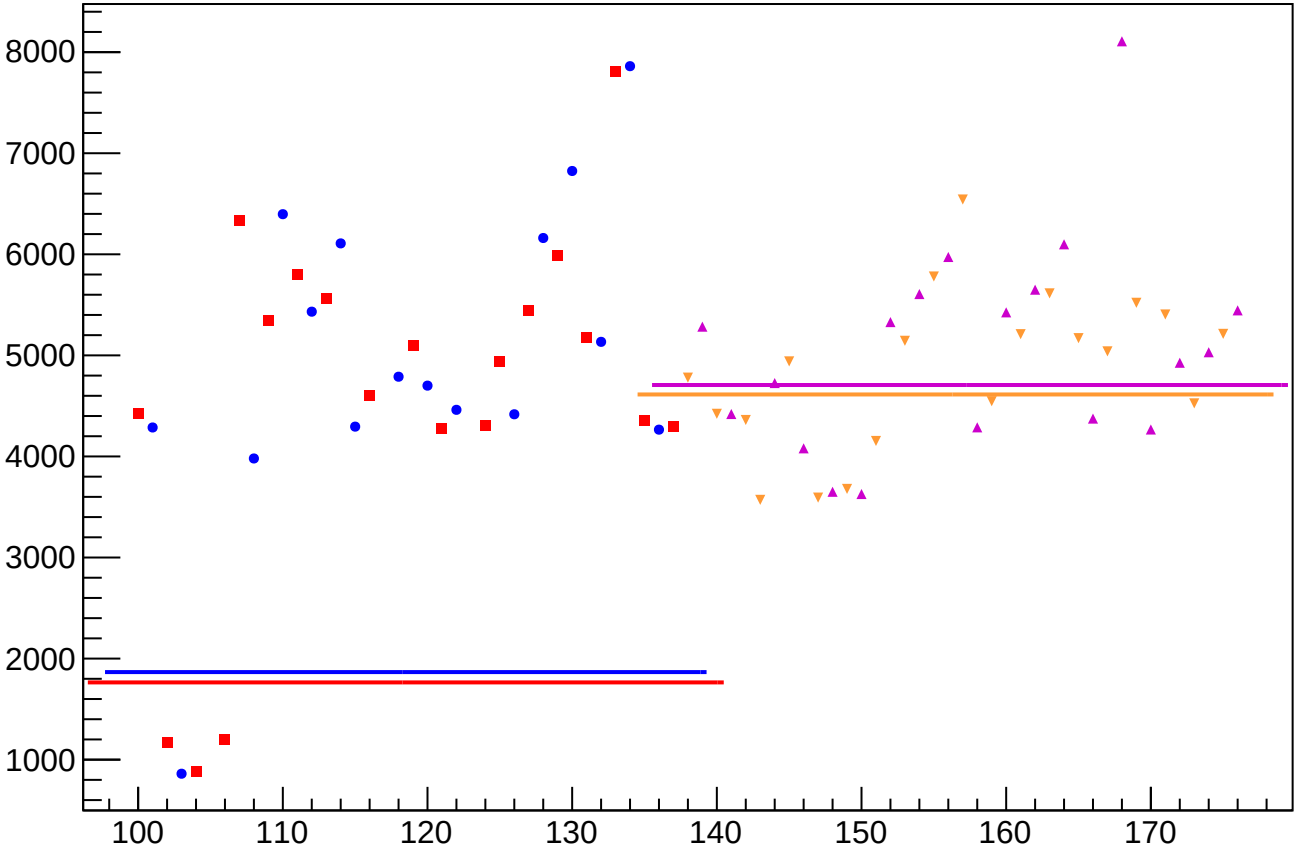
Left In: -278.990+/-1218.577 χ^2/NDF:13.0/18

\+ sign -239.764+/-746.541 χ^2/NDF: 37.1/35

All: 274.573+/-522.727 χ^2/NDF: 66.2/73

\- sign 769.291+/-732.165 χ^2/NDF: 28.2/37

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4613.306+/-0.836 χ^2/NDF:837642.8/19

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

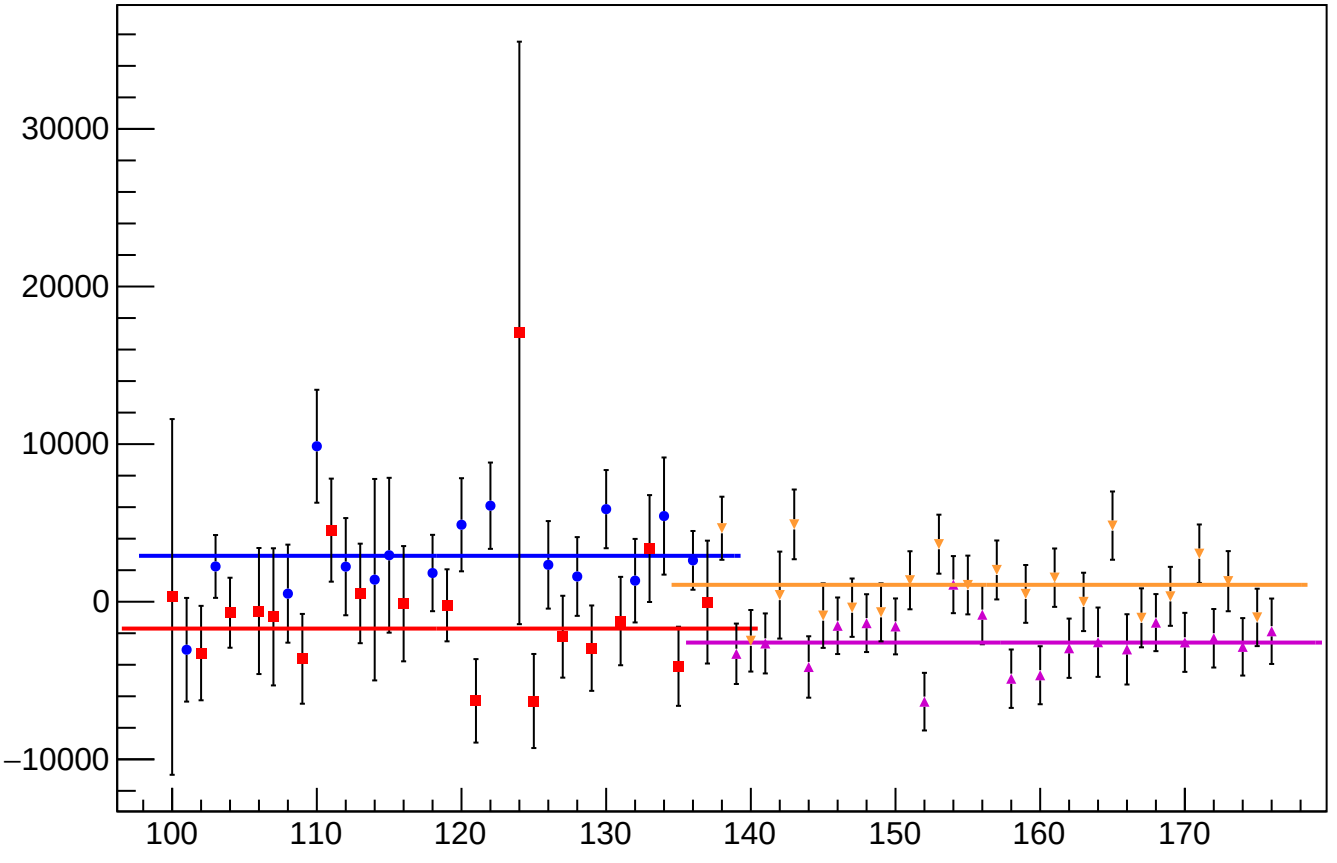
Left In: 4706.840+/-0.862 χ^2/NDF:1023416.2/18

+ sign 2962.219+/-0.528 χ^2/NDF: 14180048.7/35

All: 2893.069+/-0.370 χ^2/NDF: 29123930.8/7

- sign 2826.556+/-0.518 χ^2/NDF: 14910217.0/37

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1072.312+/-431.994 χ^2/NDF:21.5/19

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

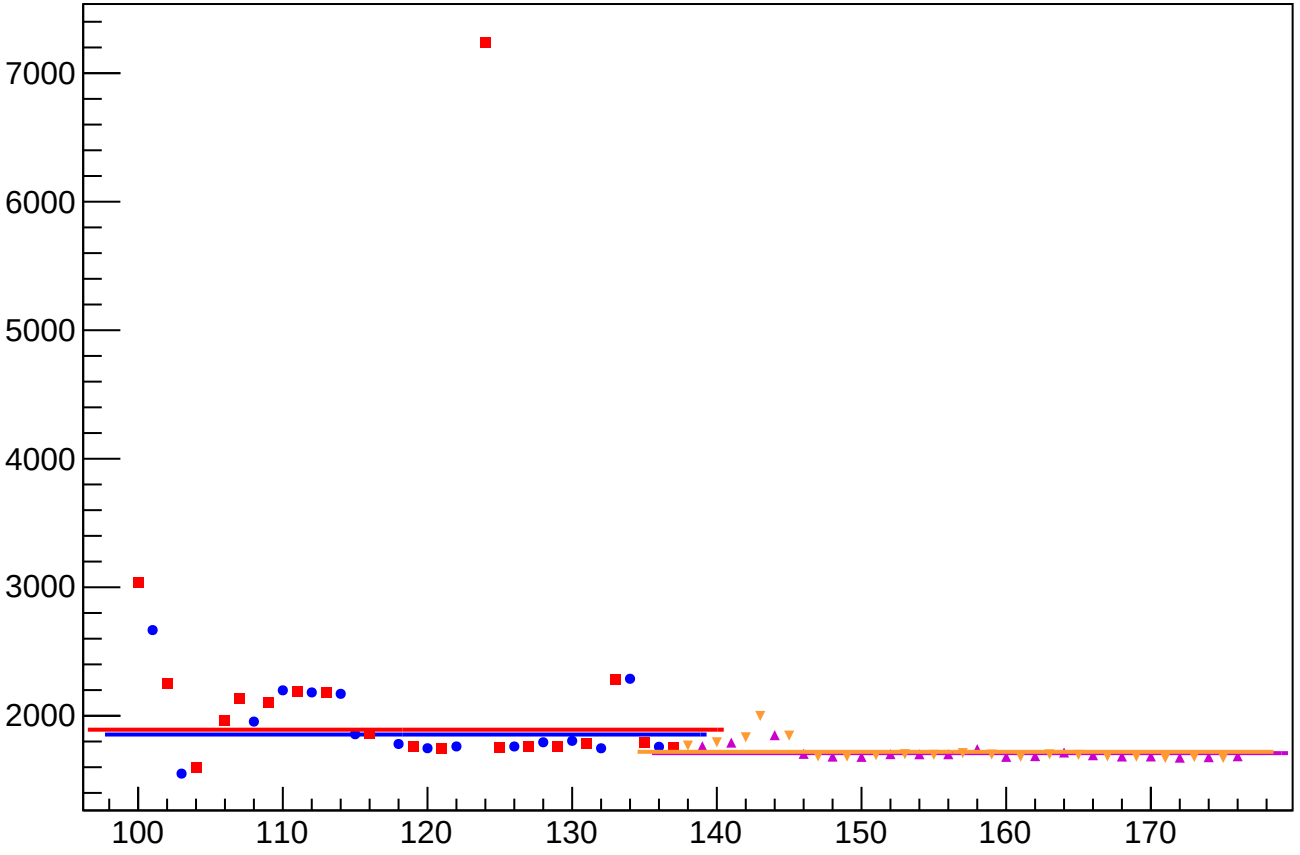
Left In: -2591.826+/-433.762 χ^2/NDF:14.7/18

+ sign 1585.242+/-366.903 χ^2/NDF: 39.0/35

All: -366.845+/-260.424 χ^2/NDF: 127.7/73

- sign -2348.822+/-369.702 χ^2/NDF: 31.6/37

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1719.745+/-0.305 χ^2/NDF:56061.6/19

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

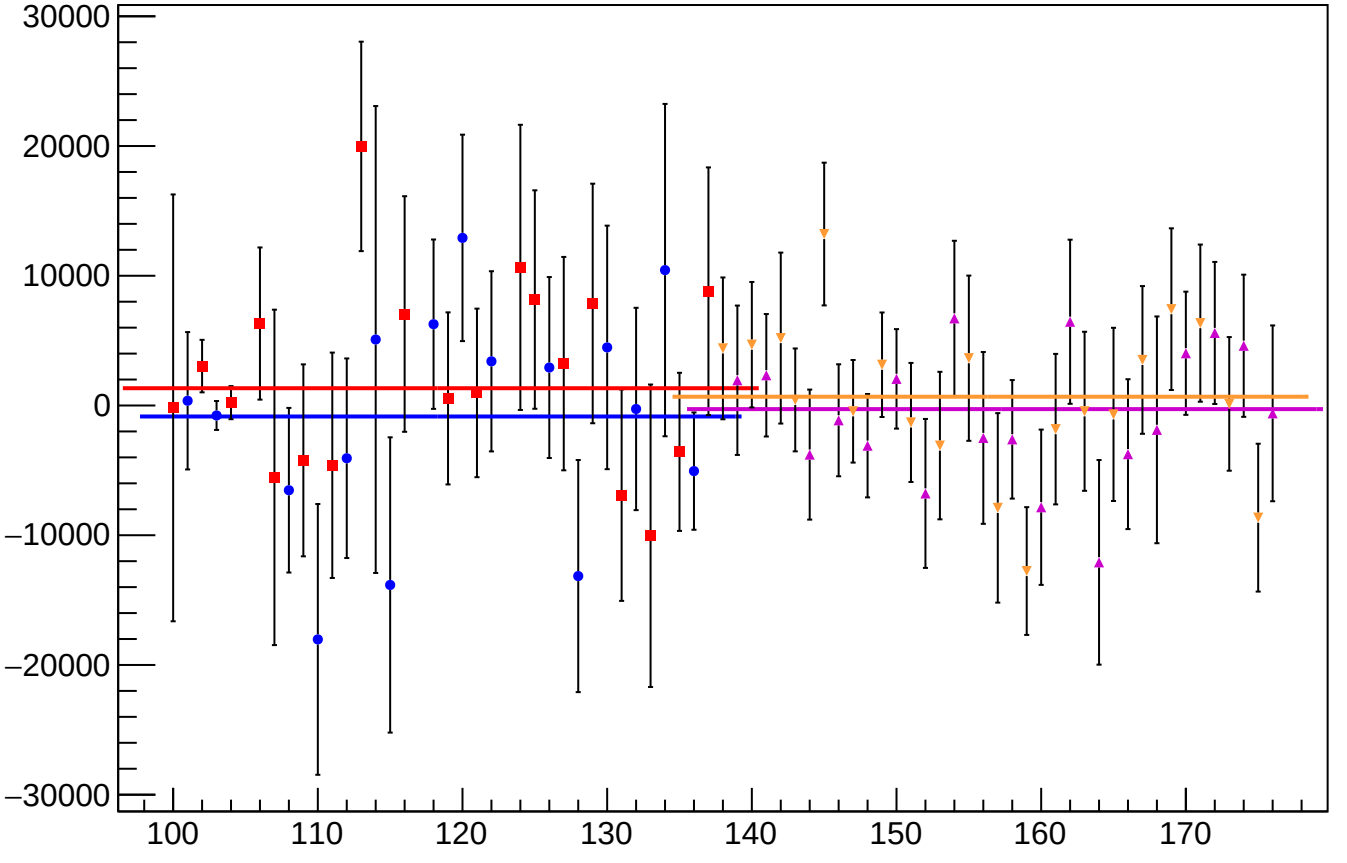
Left In: 1709.458+/-0.307 χ^2/NDF:20512.9/18

+ sign 1757.242+/-0.259 χ^2/NDF: 373461.8/35

All: 1758.376+/-0.184 χ^2/NDF: 855419.0/73

- sign 1759.526+/-0.261 χ^2/NDF: 481918.8/37

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 676.629+/-1181.968 χ^2/NDF:22.2/19

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

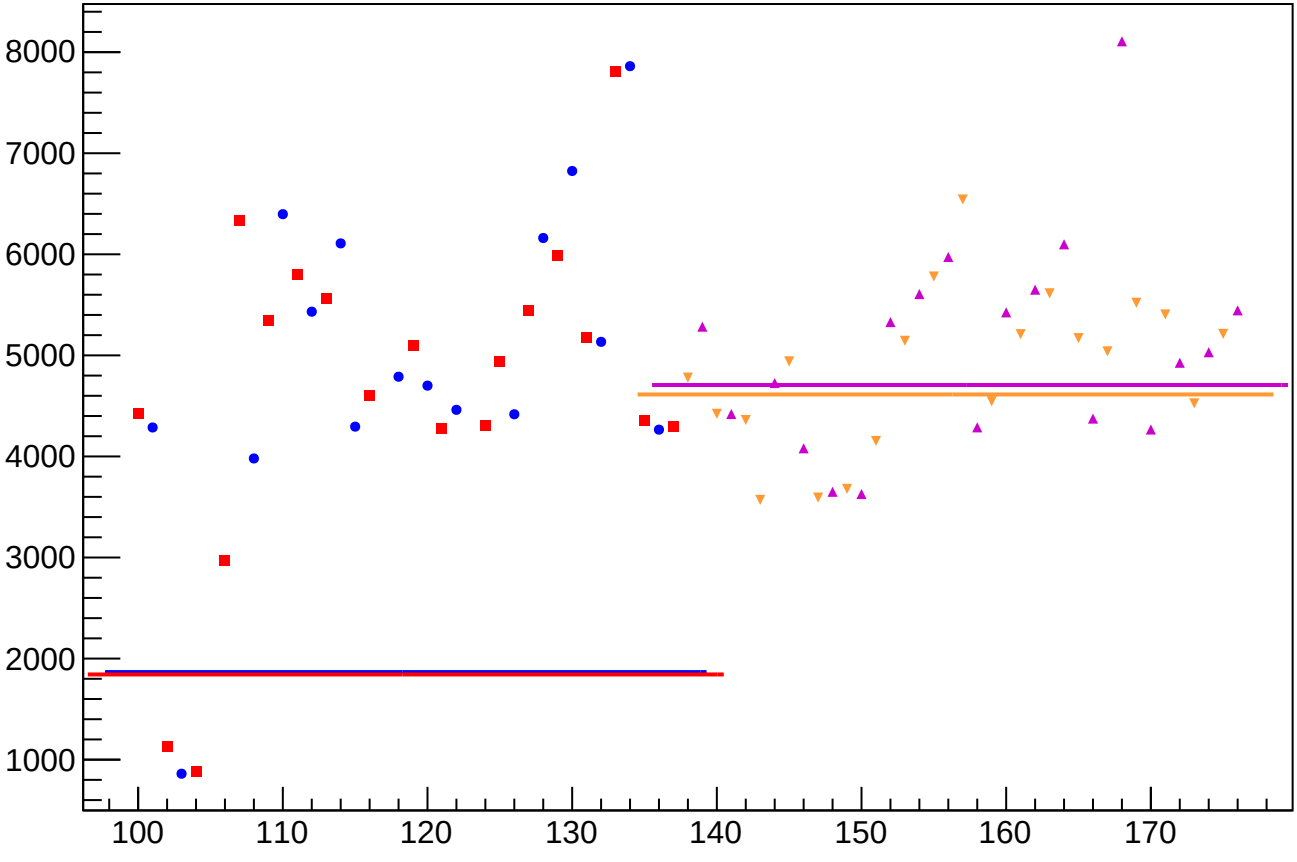
Left In: -279.051+/-1218.577 χ^2/NDF:13.0/18

\+ sign -239.525+/-746.515 χ^2/NDF: 37.1/35

All: 241.105+/-528.503 χ^2/NDF: 66.4/73

\- sign 724.062+/-748.321 χ^2/NDF: 28.5/37

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4613.299+/-0.836 χ^2/NDF:837654.8/19

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

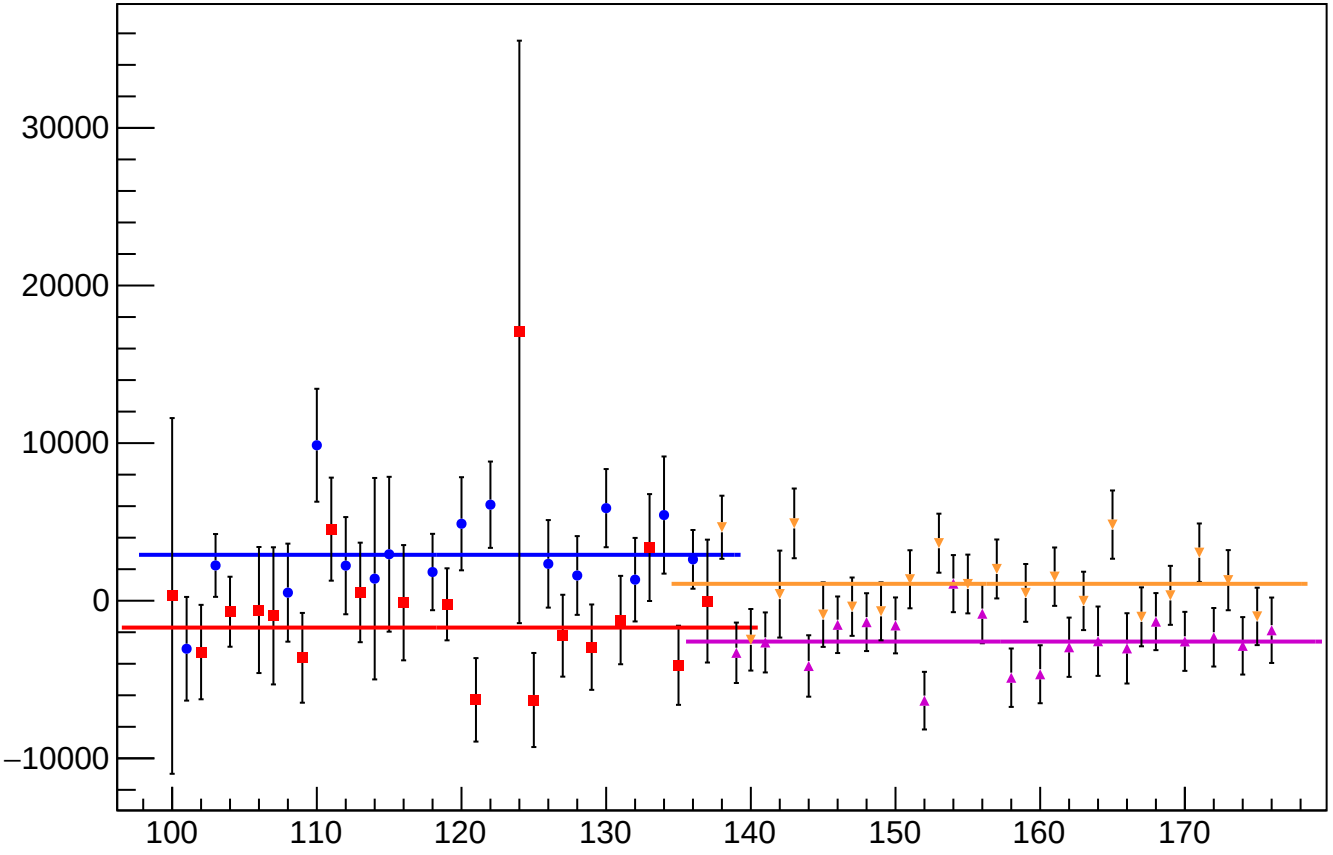
Left In: 4706.839+/-0.862 χ^2/NDF:1023433.0/18

+ sign 2962.053+/-0.528 χ^2/NDF: 14181476.6/35

All: 2942.531+/-0.374 χ^2/NDF: 28547351.5/7

- sign 2922.913+/-0.529 χ^2/NDF: 14363132.7/37

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1072.312+/-431.994 χ^2/NDF:21.5/19

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

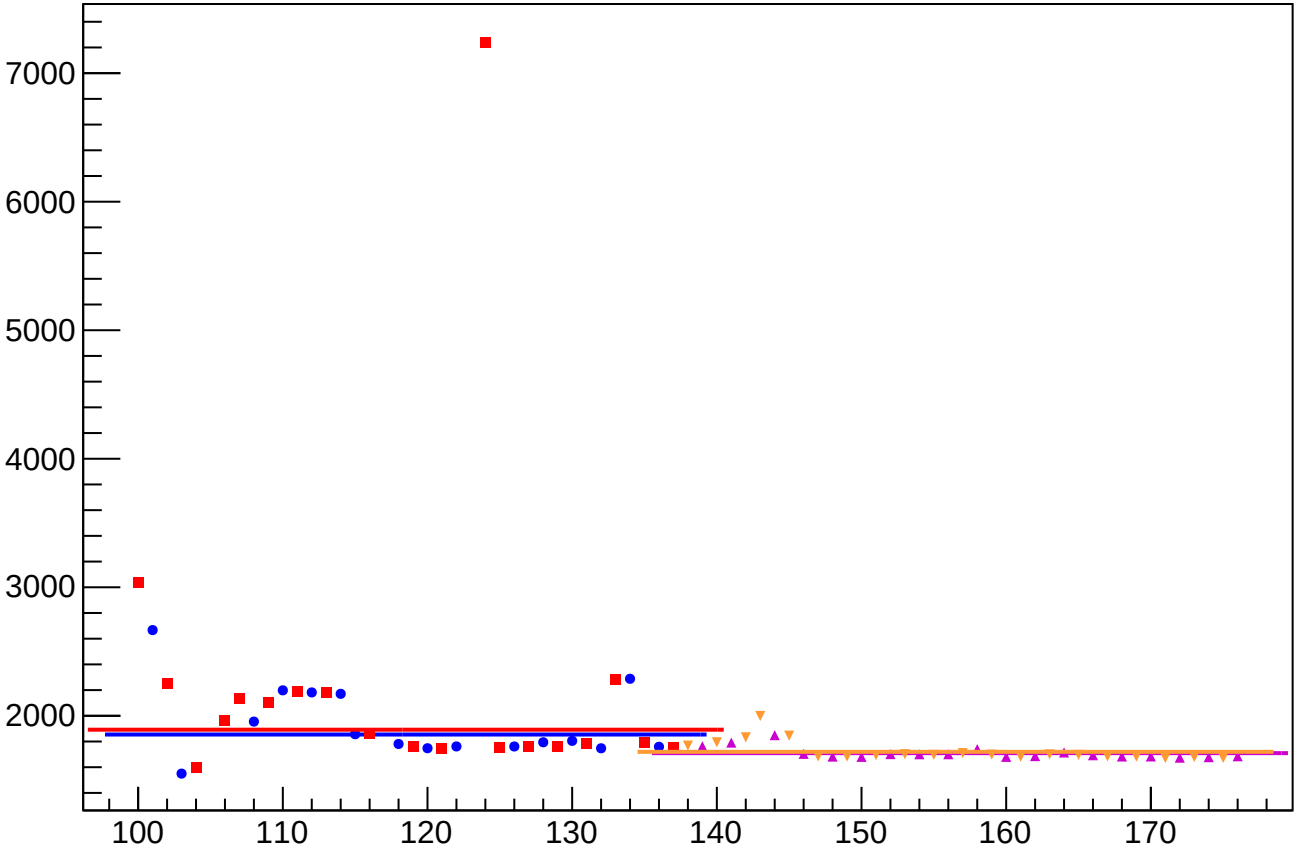
Left In: -2591.826+/-433.762 χ^2/NDF:14.7/18

+ sign 1585.242+/-366.903 χ^2/NDF: 39.0/35

All: -366.845+/-260.424 χ^2/NDF: 127.7/73

- sign -2348.822+/-369.702 χ^2/NDF: 31.6/37

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1719.745+/-0.305 χ^2/NDF:56061.6/19

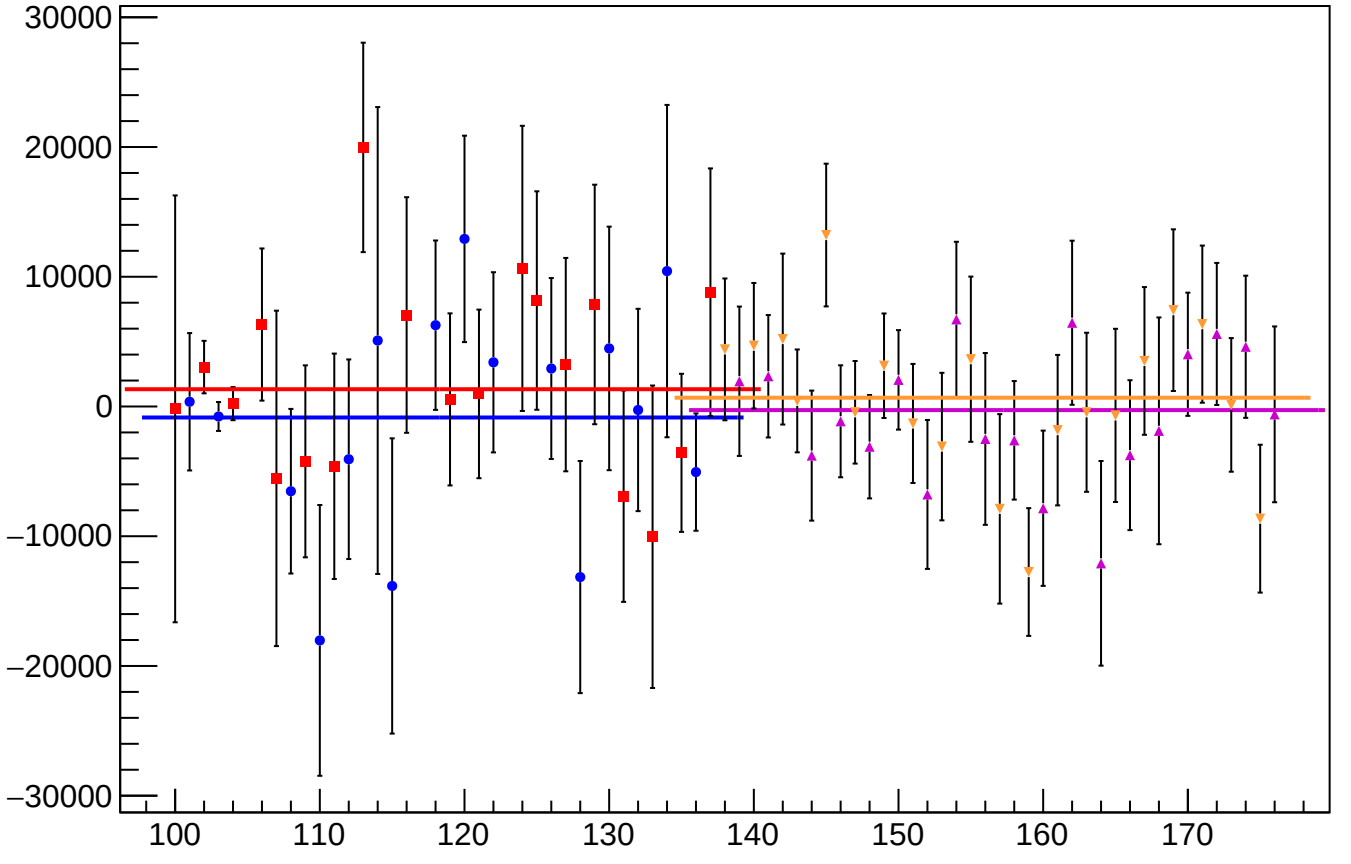
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1709.458+/-0.307 χ^2/NDF:20512.9/18

+ sign 1757.242+/-0.259 χ^2/NDF: 373461.8/35

All: 1758.376+/-0.184 χ^2/NDF: 855419.0/73

- sign 1759.526+/-0.261 χ^2/NDF: 481918.8/37



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 676.629+/-1181.968 χ^2/NDF:22.2/19

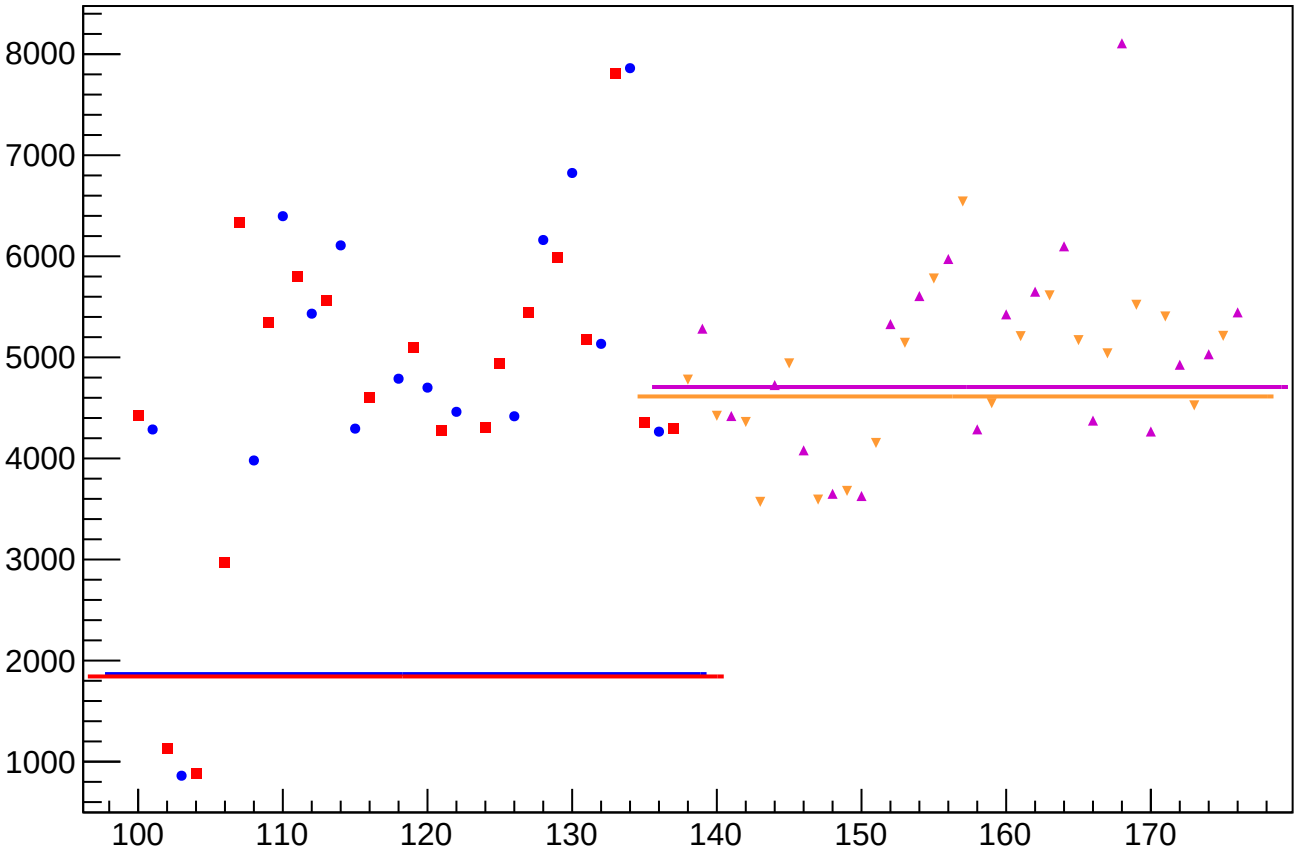
Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -279.051+/-1218.577 χ^2/NDF:13.0/18

+ sign -239.525+/-746.515 χ^2/NDF: 37.1/35

All: 241.105+/-528.503 χ^2/NDF: 66.4/73

- sign 724.062+/-748.321 χ^2/NDF: 28.5/37



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4613.299+/-0.836 χ^2/NDF:837654.8/19

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

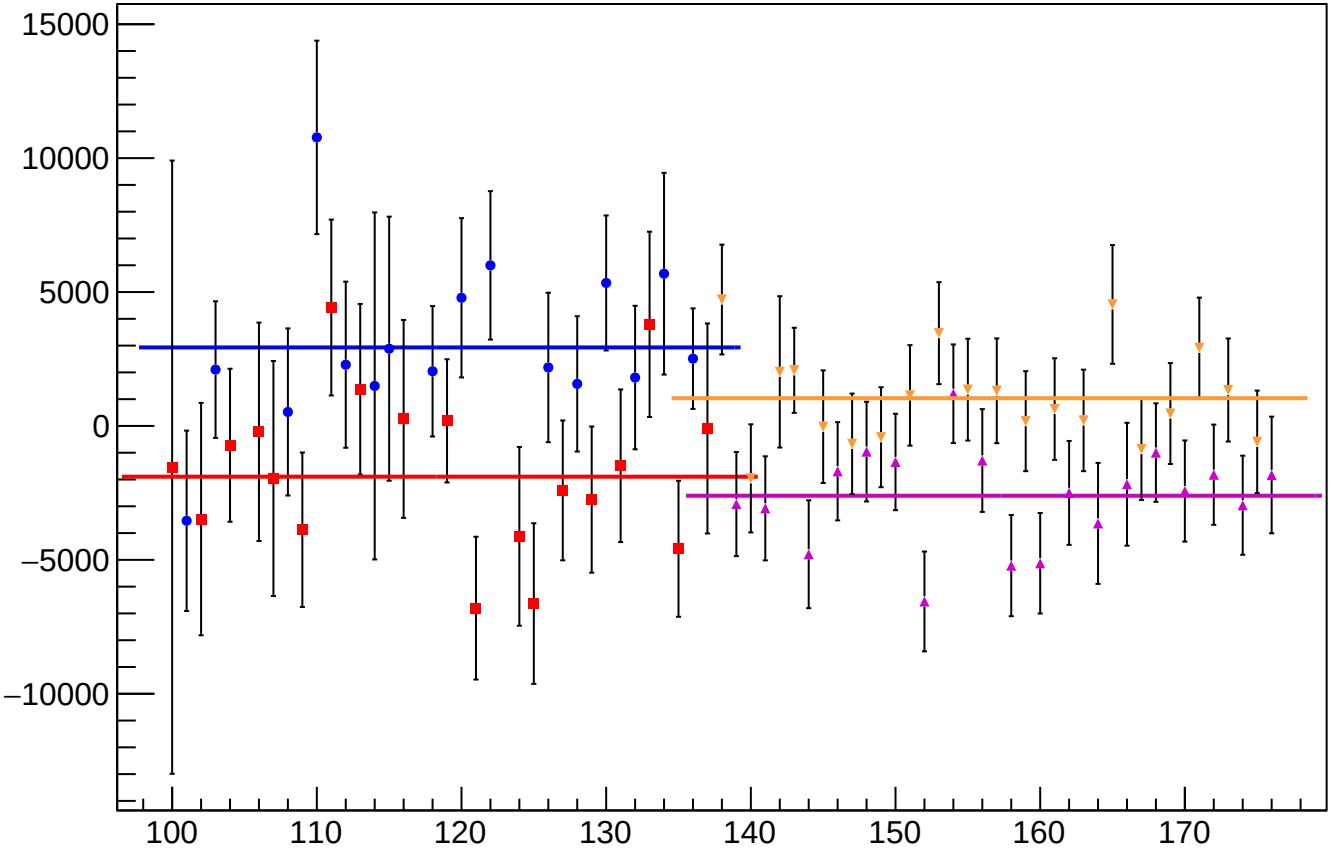
Left In: 4706.839+/-0.862 χ^2/NDF:1023433.0/18

+ sign 2962.053+/-0.528 χ^2/NDF: 14181476.6/35

All: 2942.531+/-0.374 χ^2/NDF: 28547351.5/7

- sign 2922.913+/-0.529 χ^2/NDF: 14363132.7/37

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1037.536+/-433.085 χ^2/NDF:15.1/19

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

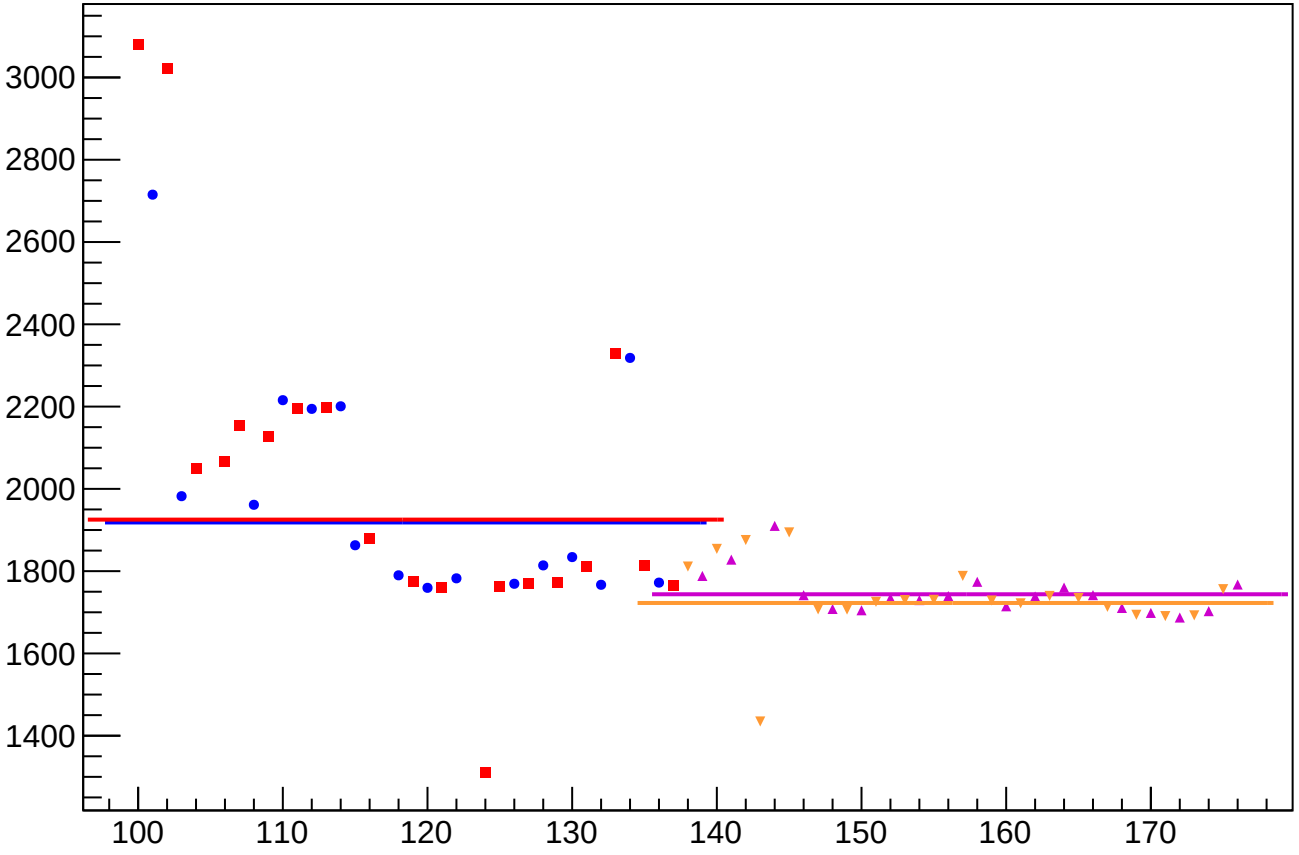
Left In: -2605.397+/-442.560 χ^2/NDF:17.1/18

+ sign 1542.525+/-370.888 χ^2/NDF: 33.2/35

All: -400.546+/-264.499 χ^2/NDF: 124.2/73

- sign -2411.499+/-377.311 χ^2/NDF: 35.2/37

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.662+/-0.306 χ^2/NDF:102246.3/19

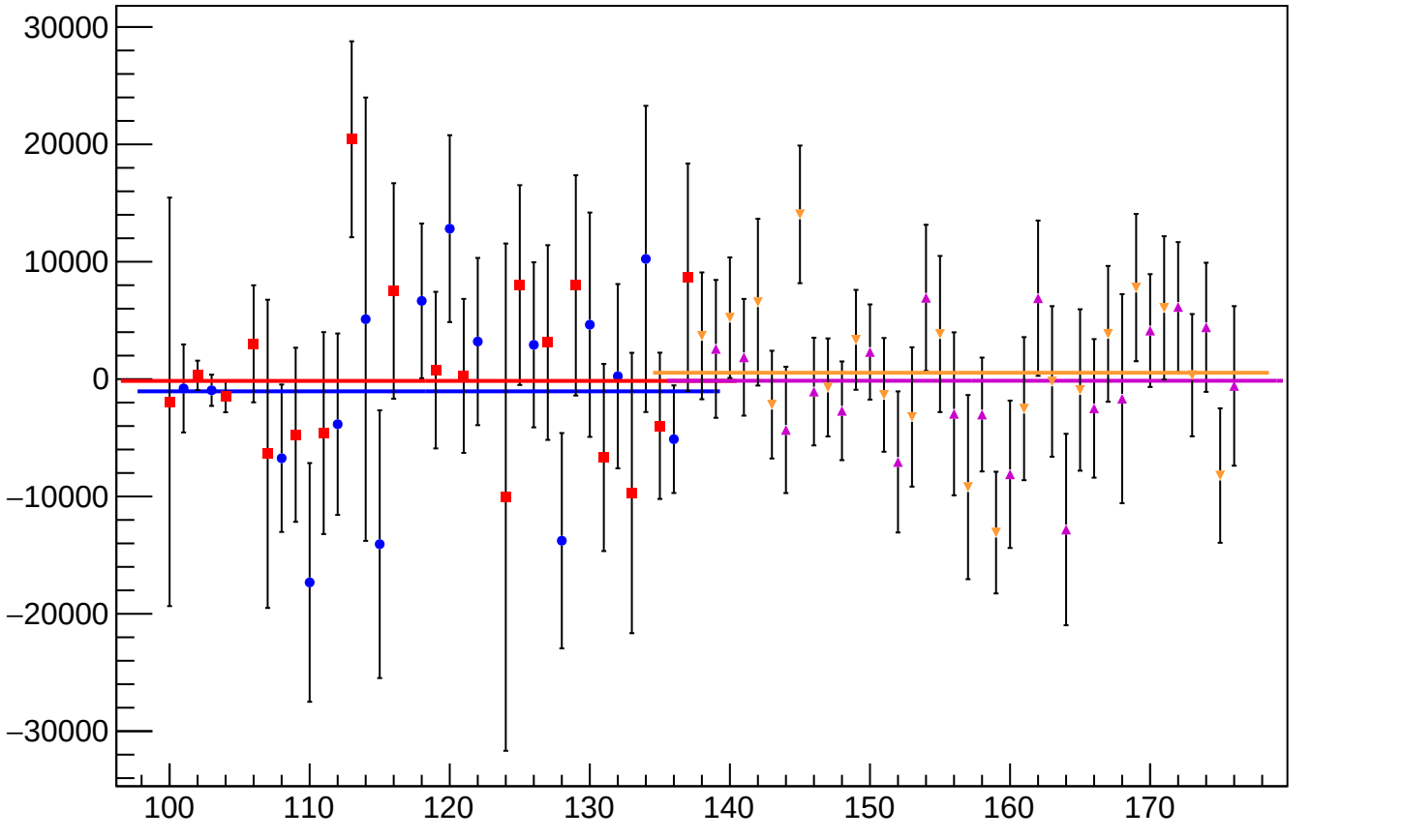
Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1743.824+/-0.313 χ^2/NDF:26272.9/18

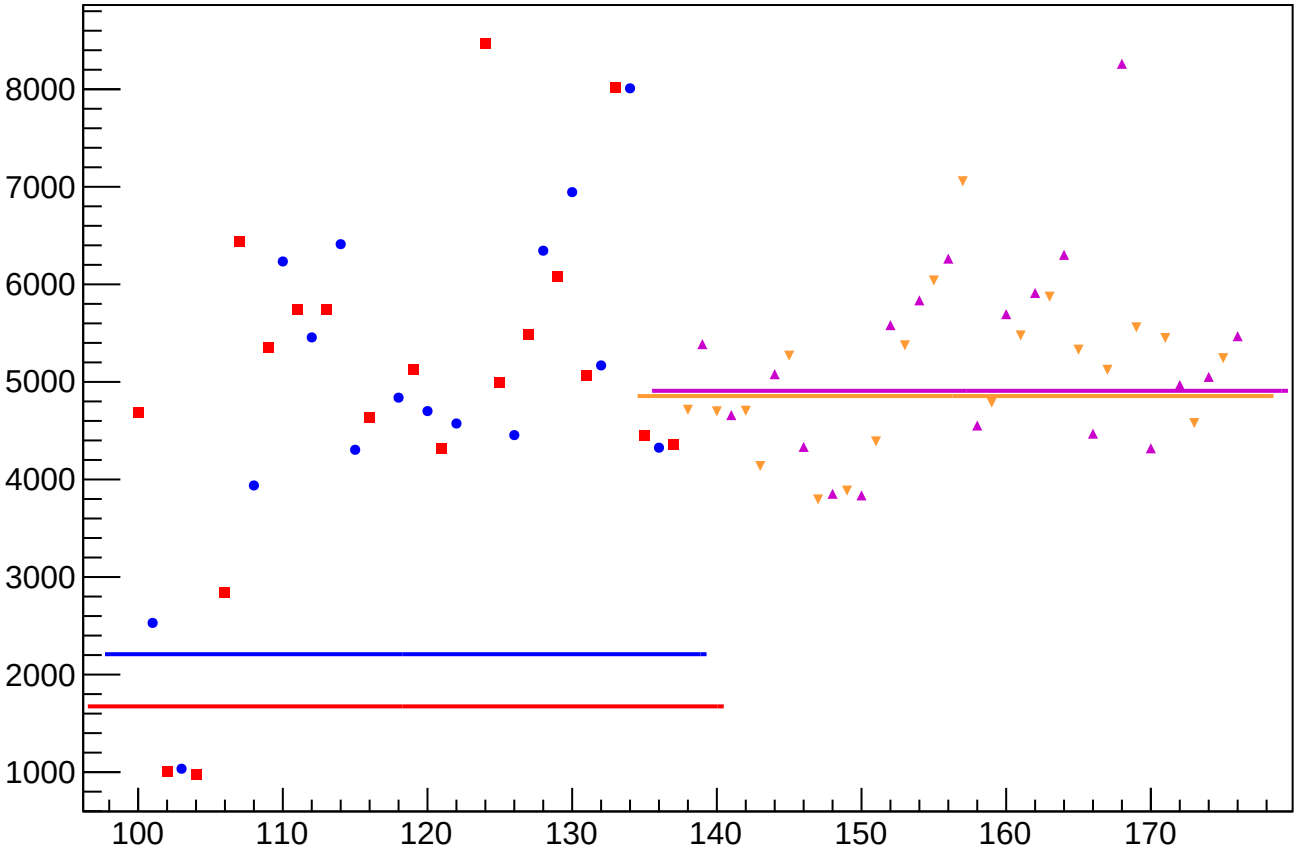
+ sign 1774.838+/-0.262 χ^2/NDF: 426720.5/35

All: 1783.981+/-0.187 χ^2/NDF: 886485.4/73

- sign 1793.440+/-0.267 χ^2/NDF: 457291.9/37


asym_atl1r2_avg_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1041.908+/-1072.406 χ²/NDF: 13.8/15
Left Out: 540.623+/-1240.542 χ²/NDF:22.4/19
Right Out: -153.619+/-835.656 χ²/NDF: 13.7/18
Left In: -141.832+/-1269.223 χ²/NDF:13.0/18
+ sign -365.077+/-811.289 χ²/NDF: 37.2/35
All: -241.511+/-529.101 χ²/NDF: 64.0/73
- sign -150.055+/-697.959 χ²/NDF: 26.7/37

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4854.869+/-0.877 χ^2/NDF:694584.8/19

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

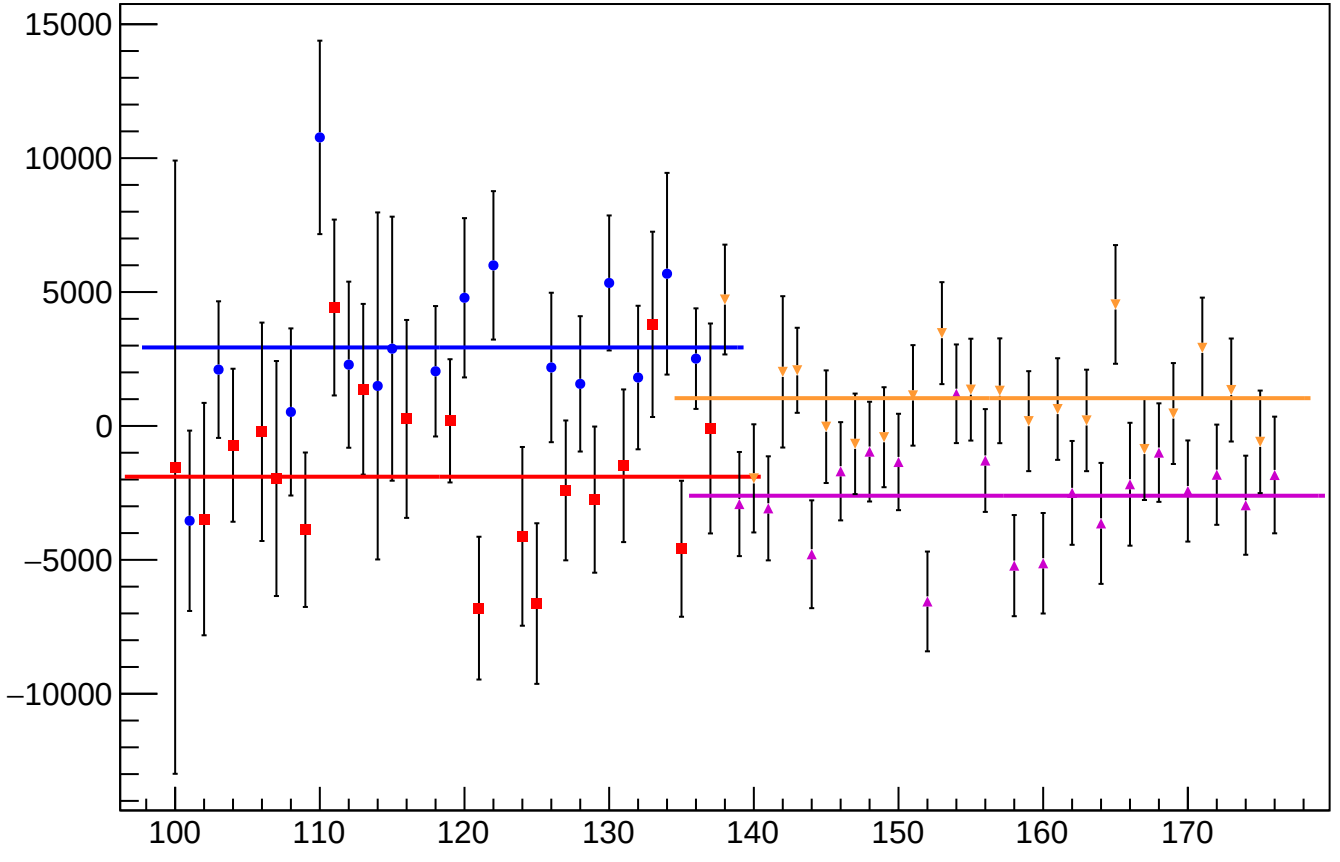
Left In: 4908.748+/-0.897 χ^2/NDF:949043.5/18

+ sign 3340.558+/-0.574 χ^2/NDF: 11400804.9/35

All: 2945.041+/-0.374 χ^2/NDF: 29091662.7/7

- sign 2652.306+/-0.494 χ^2/NDF: 16863693.4/37

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1037.529+/-433.085 χ^2/NDF:15.1/19

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

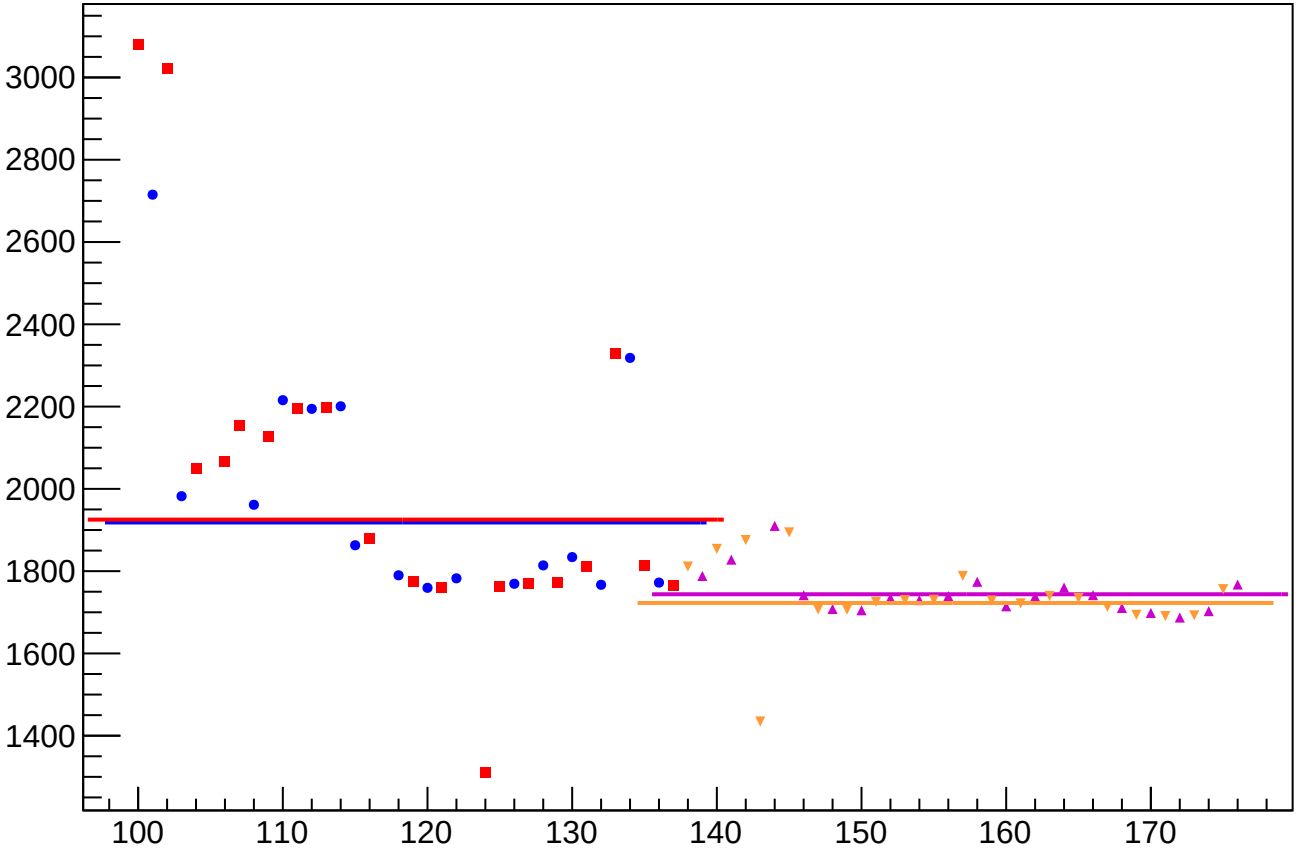
Left In: -2605.400+/-442.561 χ^2/NDF:17.1/18

+ sign 1542.521+/-370.888 χ^2/NDF: 33.2/35

All: -400.549+/-264.499 χ^2/NDF: 124.2/73

- sign -2411.502+/-377.311 χ^2/NDF: 35.2/37

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.663+/-0.306 χ^2/NDF:102245.5/19

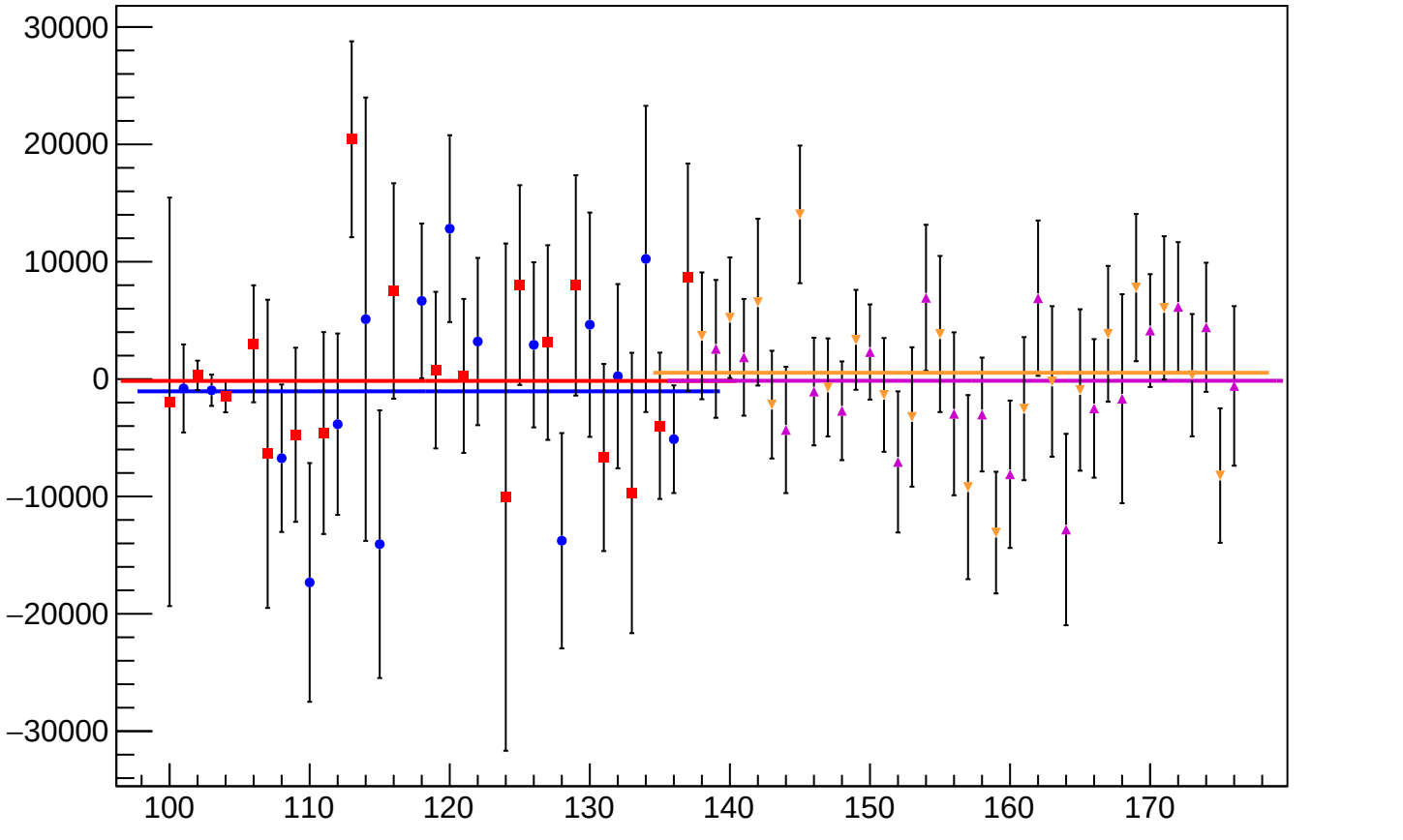
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1743.825+/-0.313 χ^2/NDF:26272.9/18

+ sign 1774.839+/-0.262 χ^2/NDF: 426718.1/35

All: 1783.982+/-0.187 χ^2/NDF: 886480.4/73

- sign 1793.440+/-0.267 χ^2/NDF: 457289.5/37



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 540.621+/-1240.544 χ^2/NDF:22.4/19

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

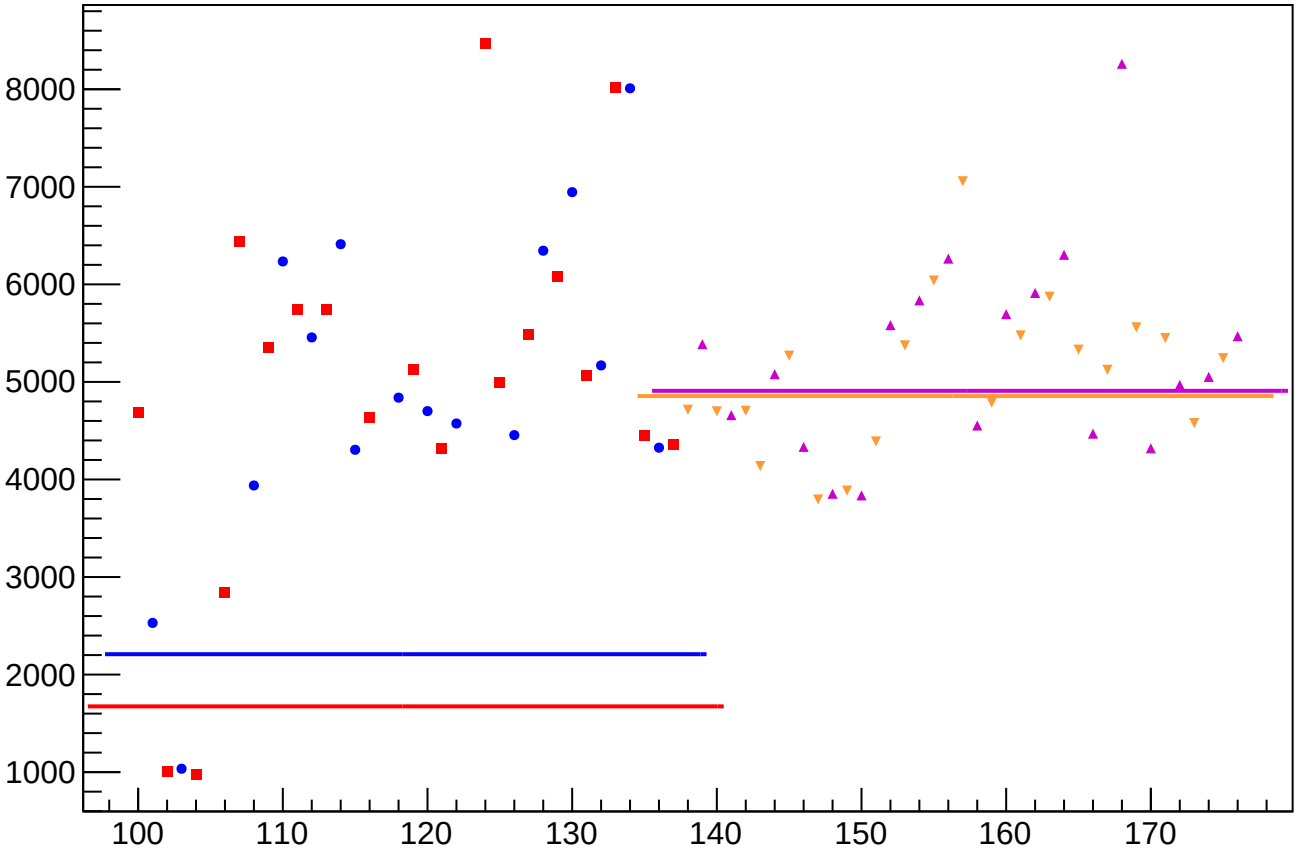
Left In: -141.830+/-1269.225 χ^2/NDF:13.0/18

+ sign -365.079+/-811.289 χ^2/NDF: 37.2/35

All: -241.509+/-529.101 χ^2/NDF: 64.0/73

- sign -150.051+/-697.959 χ^2/NDF: 26.7/37

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4854.877+/-0.877 χ^2/NDF:694584.2/19

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

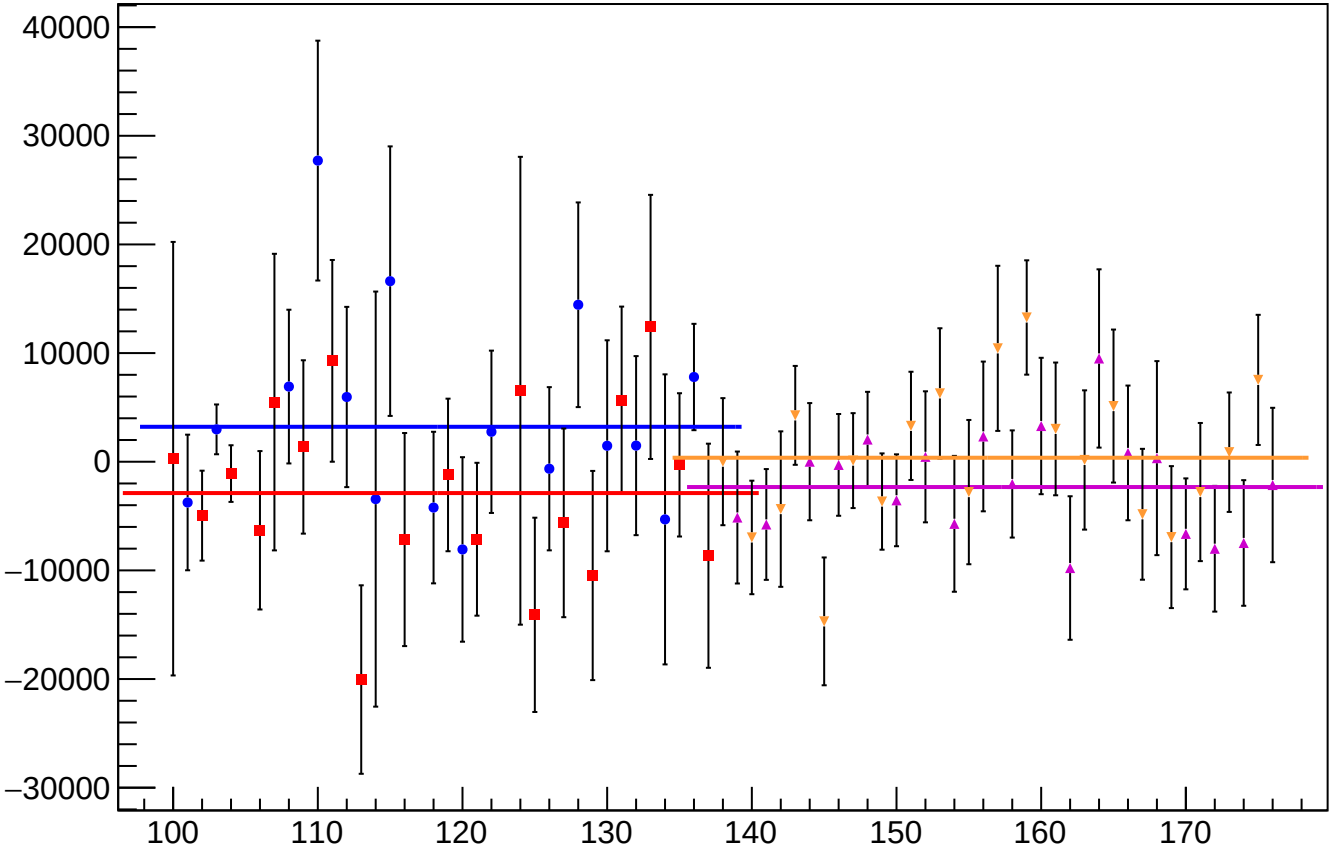
Left In: 4908.756+/-0.897 χ^2/NDF:949044.1/18

+ sign 3340.558+/-0.574 χ^2/NDF: 11400825.5/35

All: 2945.041+/-0.374 χ^2/NDF: 29091704.6/7

- sign 2652.305+/-0.494 χ^2/NDF: 16863713.2/37

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 367.810+/-1271.809 χ^2/NDF:24.2/19

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

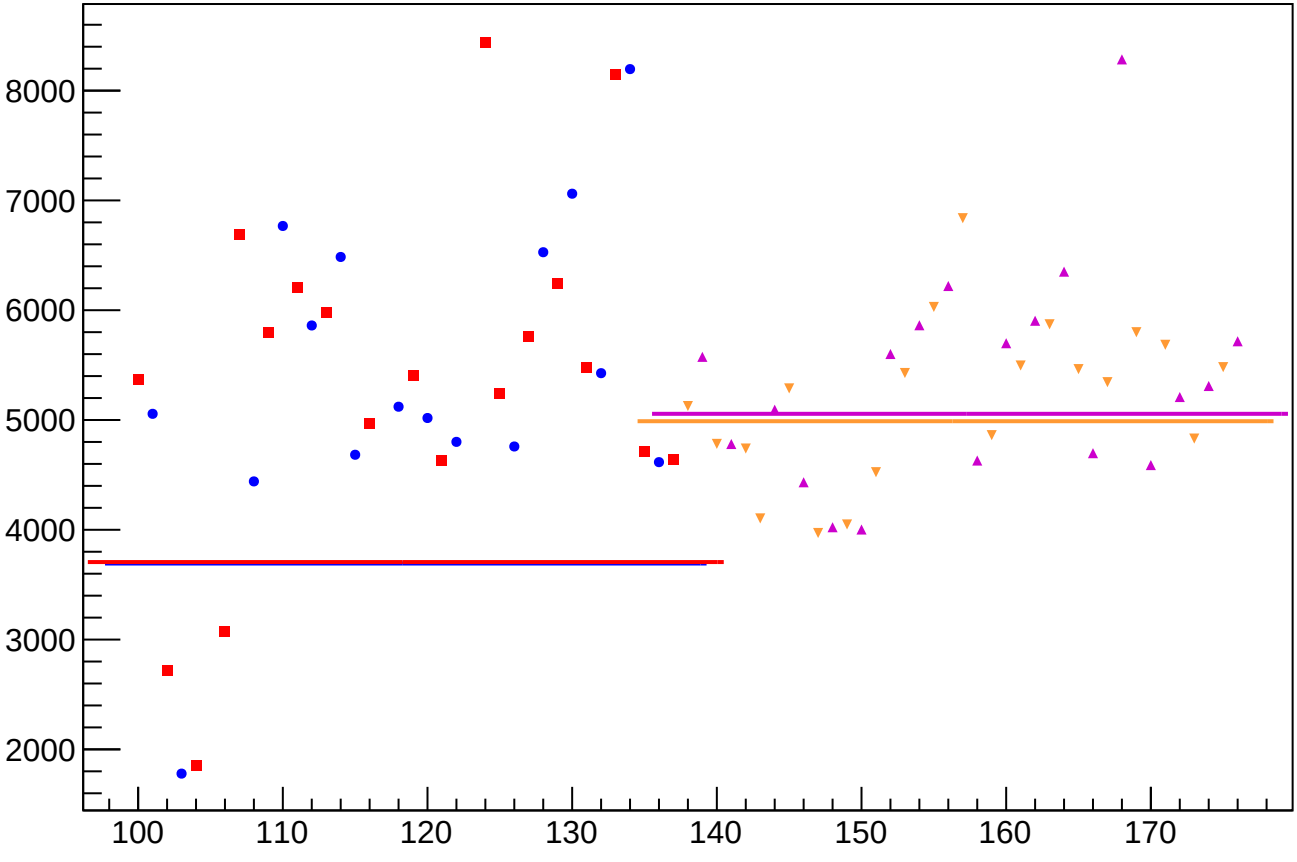
Left In: -2328.525+/-1303.786 χ^2/NDF:10.1/18

+ sign 1523.228+/-980.439 χ^2/NDF: 40.0/35

All: -480.563+/-699.509 χ^2/NDF: 72.1/73

- sign -2558.080+/-998.314 χ^2/NDF: 23.5/37

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4988.903+/-0.899 χ^2/NDF:620788.0/19

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

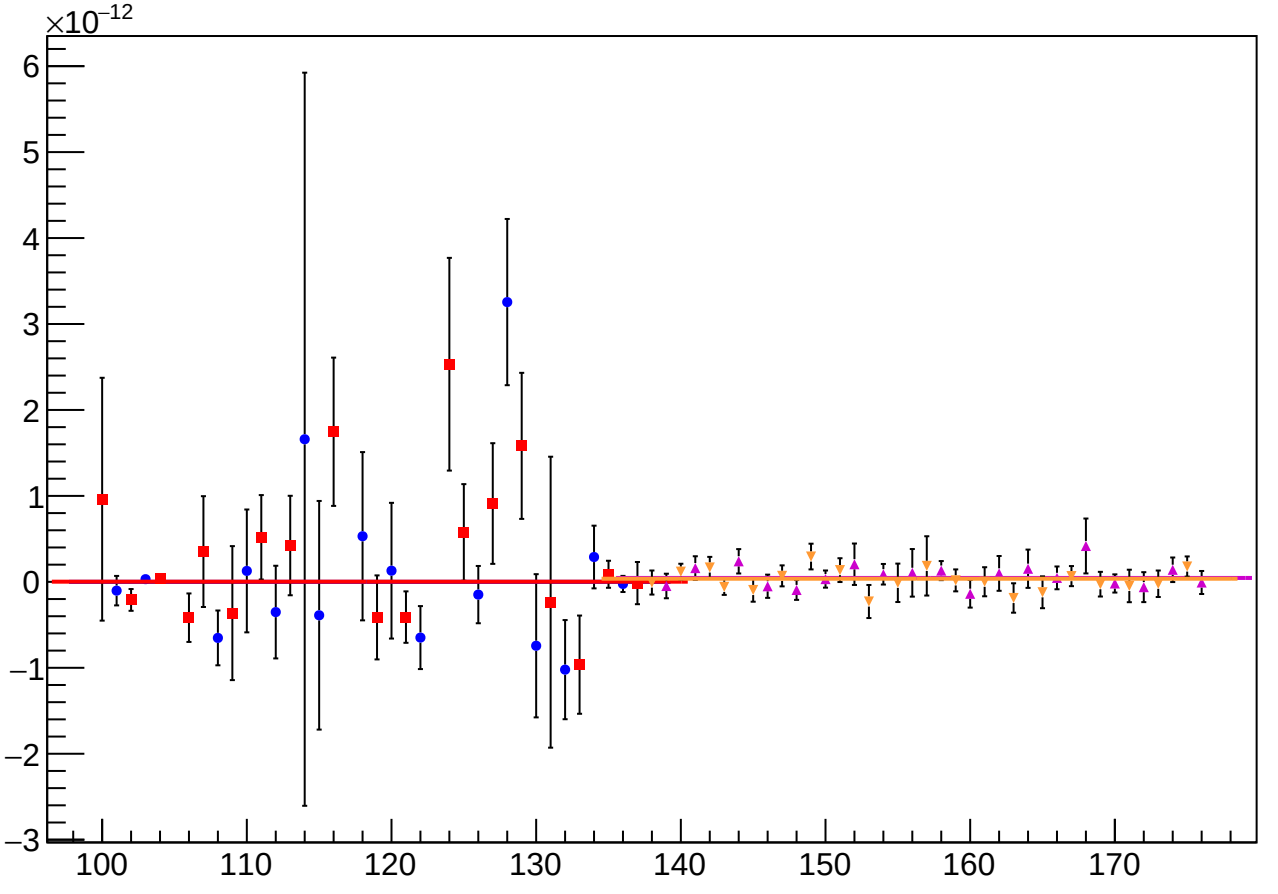
Left In: 5056.314+/-0.922 χ^2/NDF:823605.4/18

+ sign 4463.066+/-0.693 χ^2/NDF: 4349144.0/35

All: 4476.910+/-0.494 χ^2/NDF: 8755940.0/73

- sign 4491.143+/-0.703 χ^2/NDF: 4405987.3/37

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:14.3/19

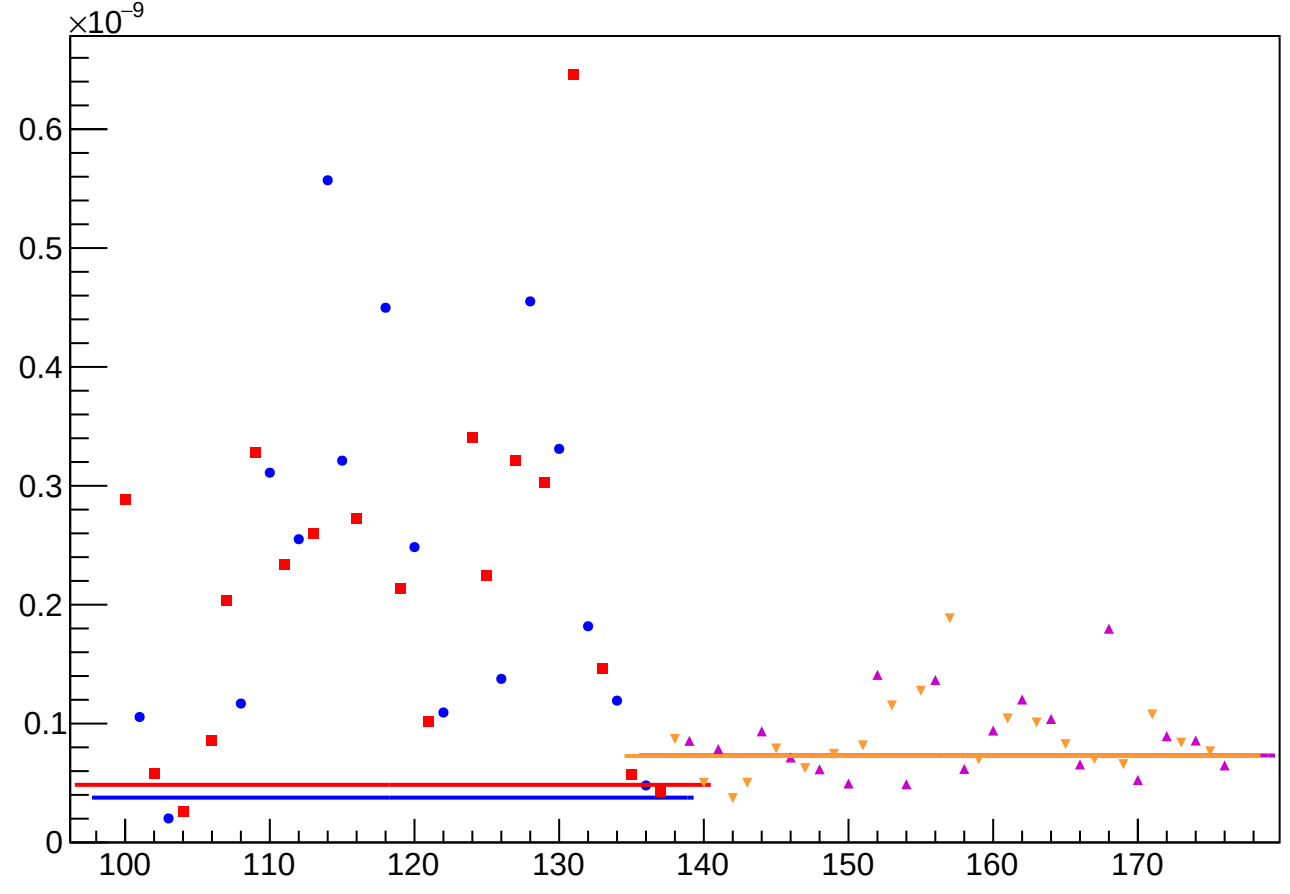
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/35

All: 0.000+/-0.000 χ^2/NDF: 79.6/73

- sign 0.000+/-0.000 χ^2/NDF: 39.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1110253.0/19

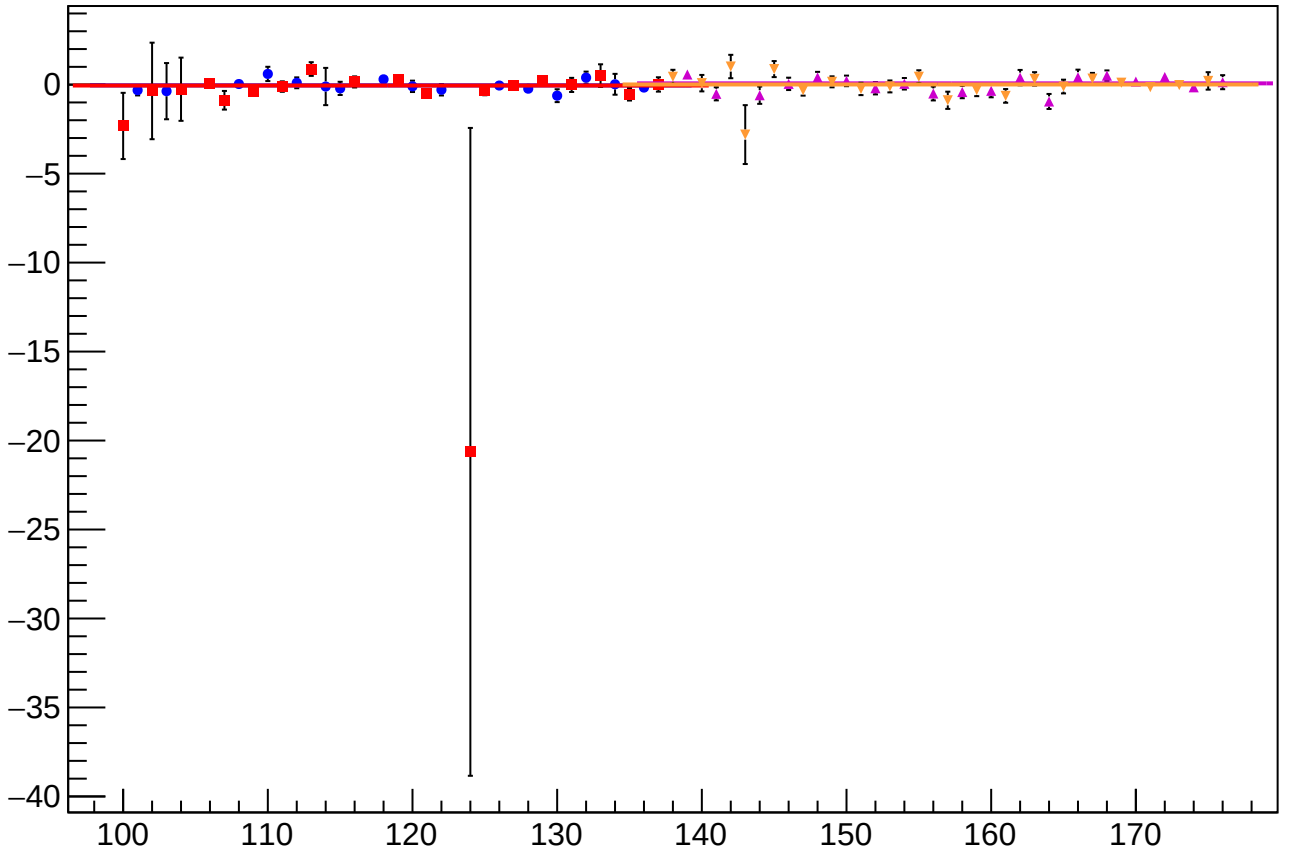
Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1083331.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 5326274.1/35

All: 0.000+/-0.000 χ^2/NDF: 9772027.1/73

- sign 0.000+/-0.000 χ^2/NDF: 4375152.9/37



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

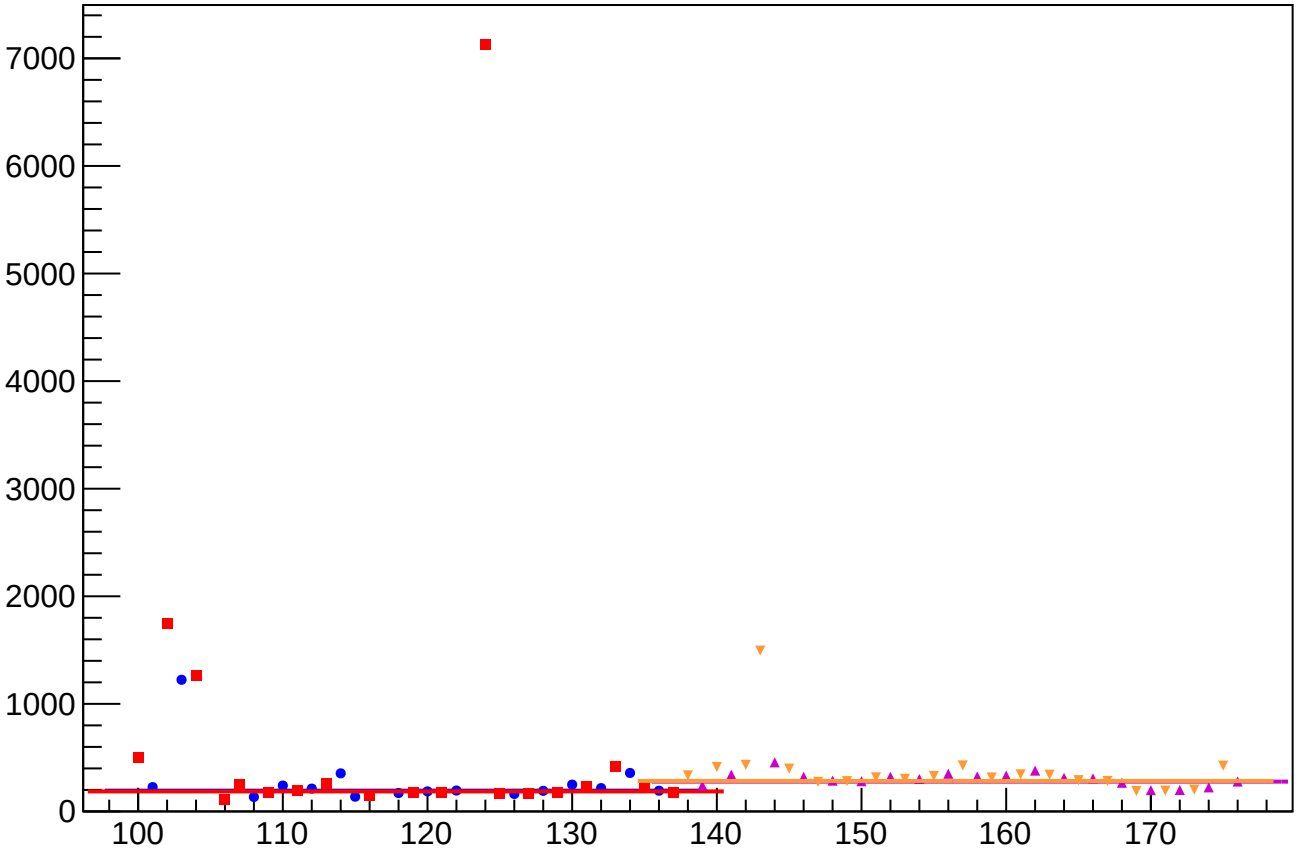
Left In: 0.072+/-0.074 χ^2/NDF:27.8/18

+ sign -0.015+/-0.054 χ^2/NDF: 35.2/35

All: 0.001+/-0.038 χ^2/NDF: 87.5/73

- sign 0.016+/-0.054 χ^2/NDF: 52.1/37

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 283.470+/-0.054 χ^2/NDF:2963202.7/19

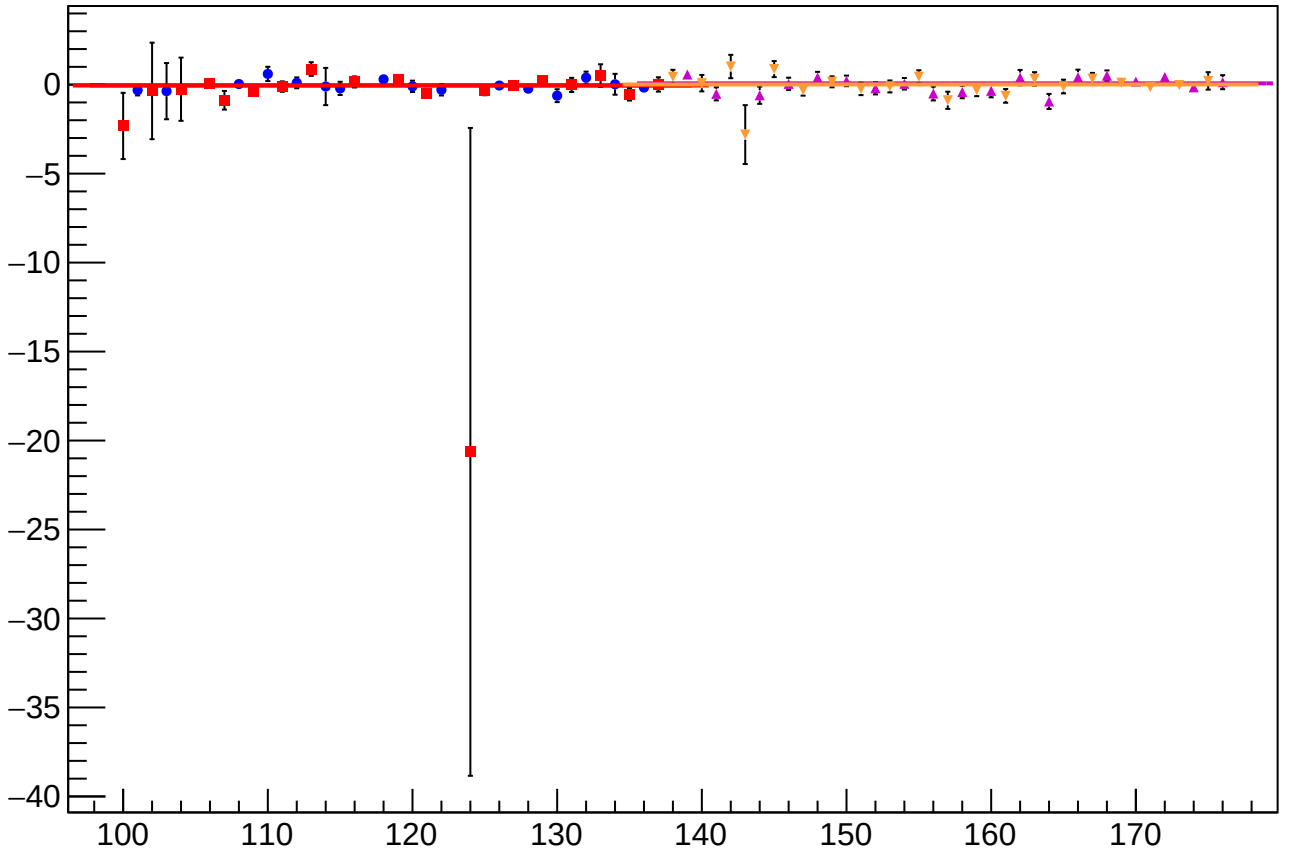
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.403+/-0.052 χ^2/NDF:1323466.9/18

+ sign 239.298+/-0.038 χ^2/NDF: 5746005.0/35

All: 237.111+/-0.027 χ^2/NDF: 10979976.0/73

- sign 234.973+/-0.038 χ^2/NDF: 5227580.7/37



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

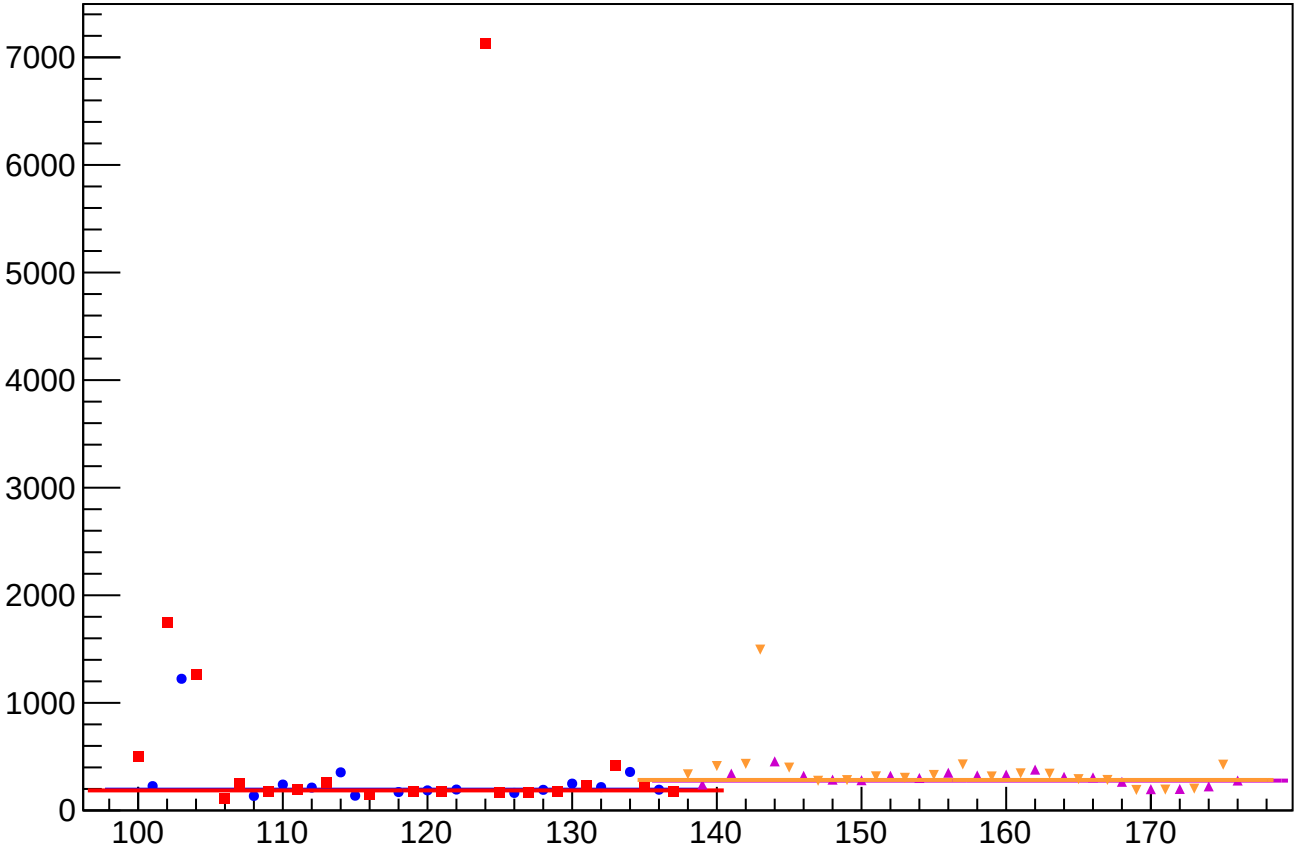
Left In: 0.072+/-0.074 χ^2/NDF:27.8/18

+ sign -0.015+/-0.054 χ^2/NDF: 35.2/35

All: 0.001+/-0.038 χ^2/NDF: 87.5/73

- sign 0.016+/-0.054 χ^2/NDF: 52.1/37

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: 283.470+/-0.054 χ^2/NDF:2963202.7/19

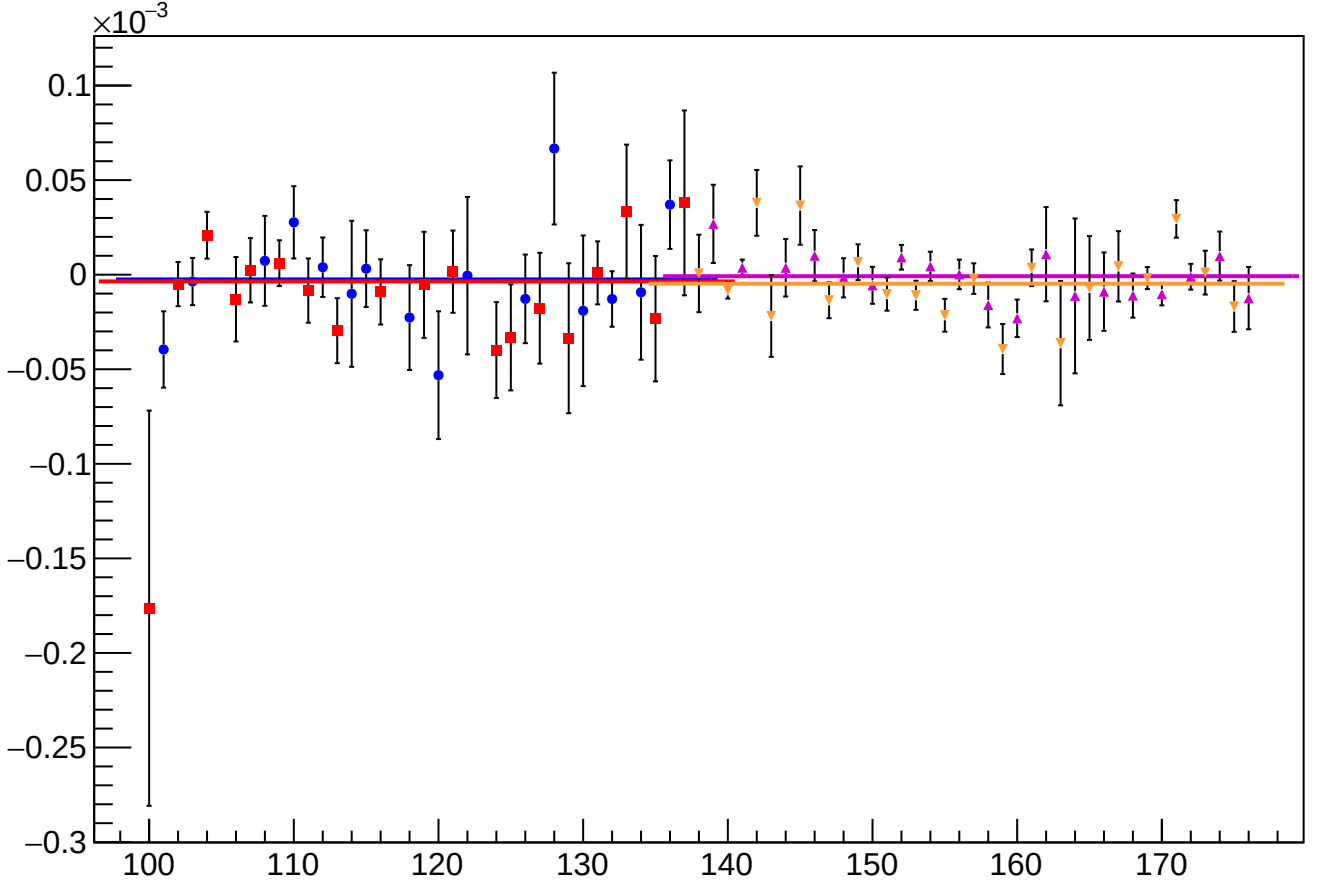
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.403+/-0.052 χ^2/NDF:1323466.9/18

+ sign 239.298+/-0.038 χ^2/NDF: 5746005.0/35

All: 237.111+/-0.027 χ^2/NDF: 10979976.0/73

- sign 234.973+/-0.038 χ^2/NDF: 5227580.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.5/19

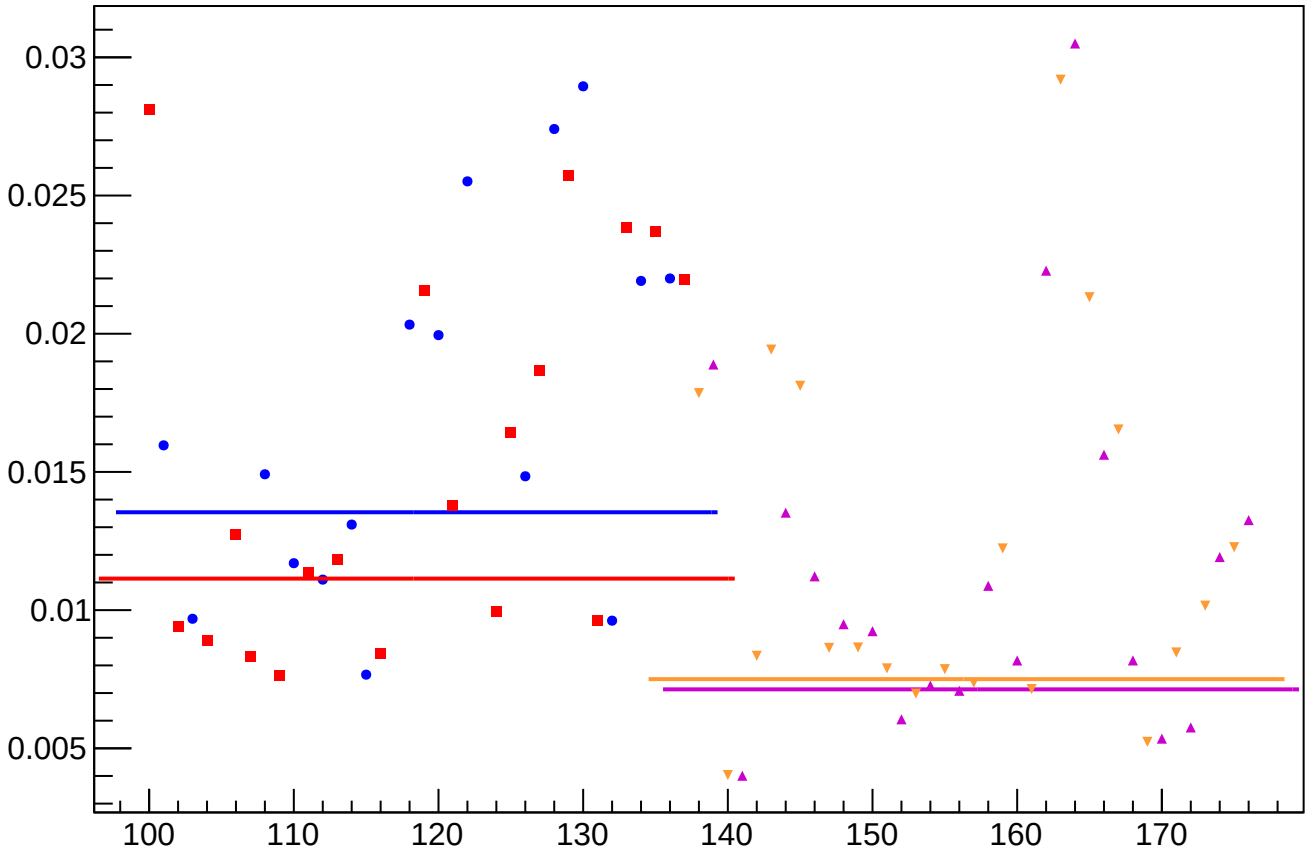
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 56.5/35

All: -0.000+/-0.000 χ^2/NDF: 92.7/73

- sign -0.000+/-0.000 χ^2/NDF: 34.9/37



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:5761233.2/19

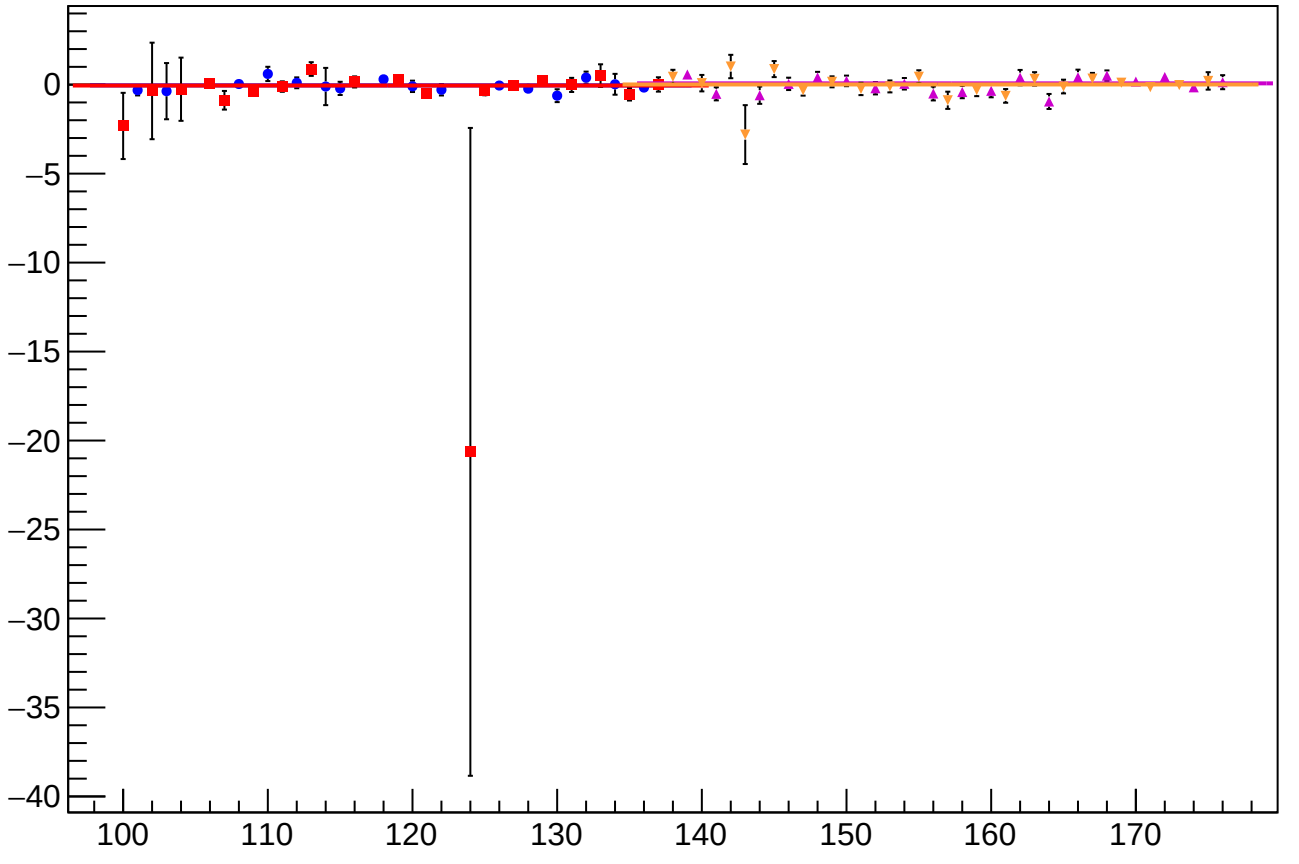
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:5282339.9/18

+ sign 0.008+/-0.000 χ^2/NDF: 9761521.7/35

All: 0.008+/-0.000 χ^2/NDF: 18314950.4/73

- sign 0.008+/-0.000 χ^2/NDF: 8495367.3/37



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

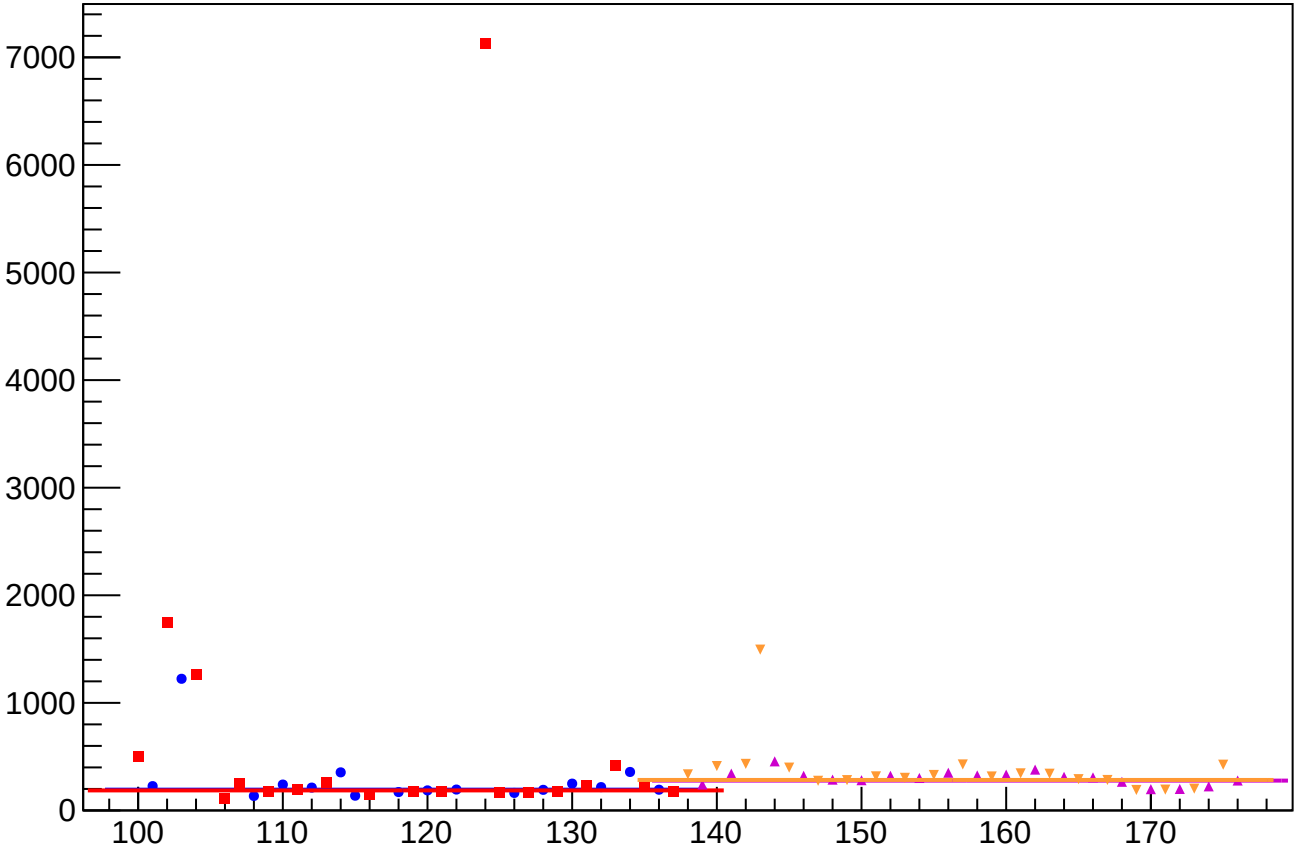
Left In: 0.072+/-0.074 χ^2/NDF:27.8/18

+ sign -0.015+/-0.054 χ^2/NDF: 35.2/35

All: 0.001+/-0.038 χ^2/NDF: 87.5/73

- sign 0.016+/-0.054 χ^2/NDF: 52.1/37

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: 283.472+/-0.054 χ^2/NDF:2963269.9/19

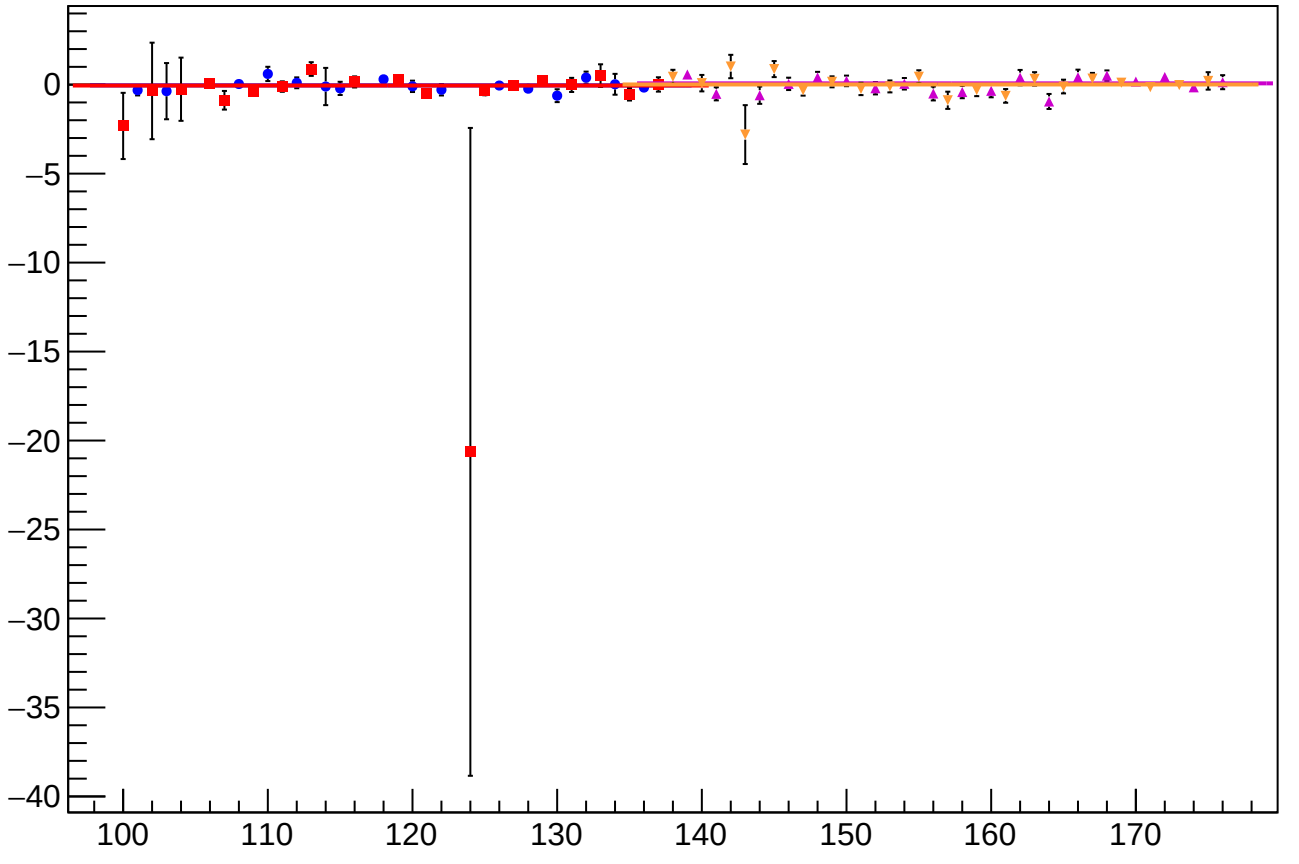
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.406+/-0.052 χ^2/NDF:1323517.7/18

+ sign 239.298+/-0.038 χ^2/NDF: 5746180.7/35

All: 237.111+/-0.027 χ^2/NDF: 10980383.9/73

- sign 234.973+/-0.038 χ^2/NDF: 5227811.9/37



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.010+/-0.076 χ^2/NDF:23.3/19

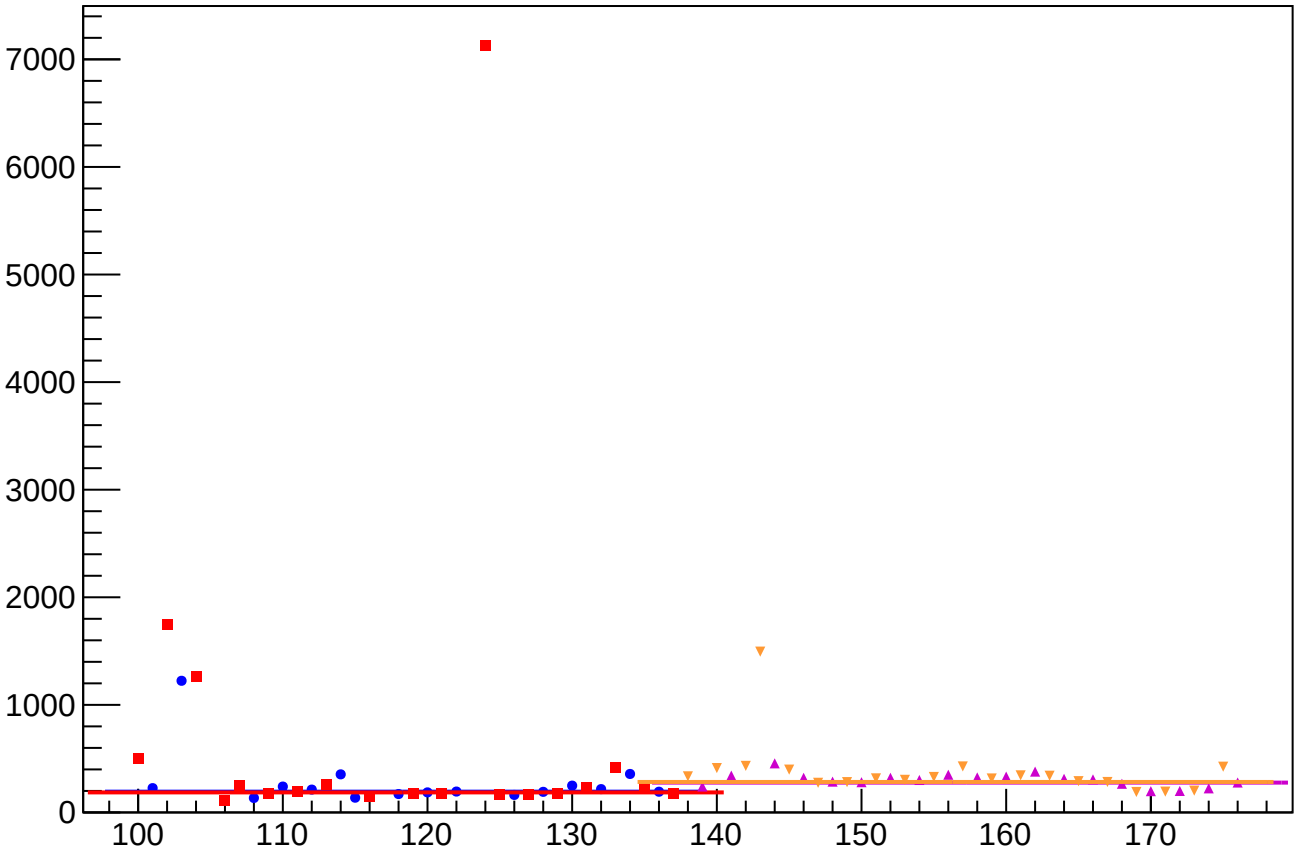
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.072+/-0.074 χ^2/NDF:27.8/18

+ sign -0.015+/-0.054 χ^2/NDF: 35.2/35

All: 0.001+/-0.038 χ^2/NDF: 87.5/73

- sign 0.016+/-0.054 χ^2/NDF: 52.1/37



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 283.472+/-0.054 χ^2/NDF:2963269.9/19

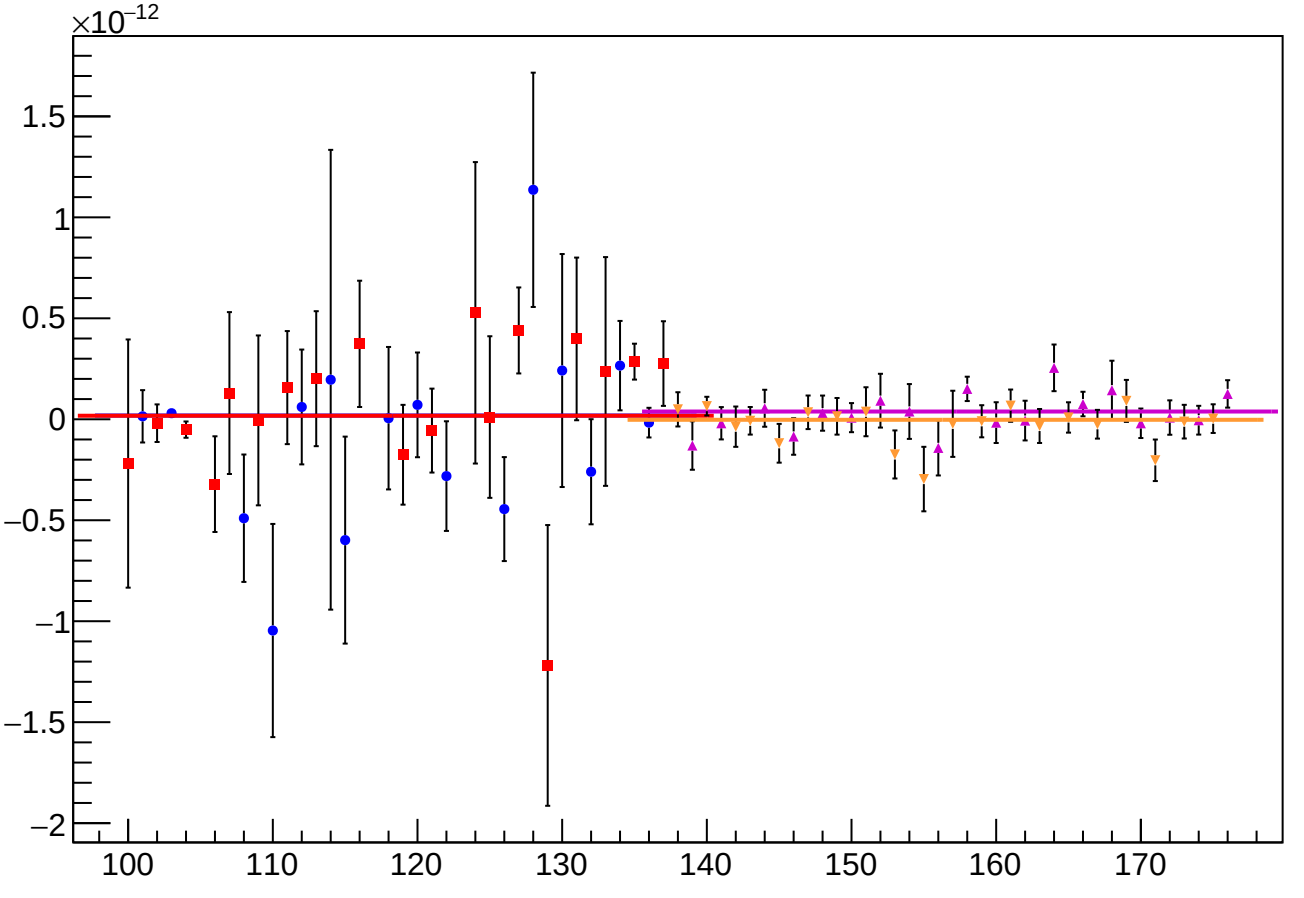
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.406+/-0.052 χ^2/NDF:1323517.7/18

+ sign 239.298+/-0.038 χ^2/NDF: 5746180.7/35

All: 237.111+/-0.027 χ^2/NDF: 10980383.9/73

- sign 234.973+/-0.038 χ^2/NDF: 5227811.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/19

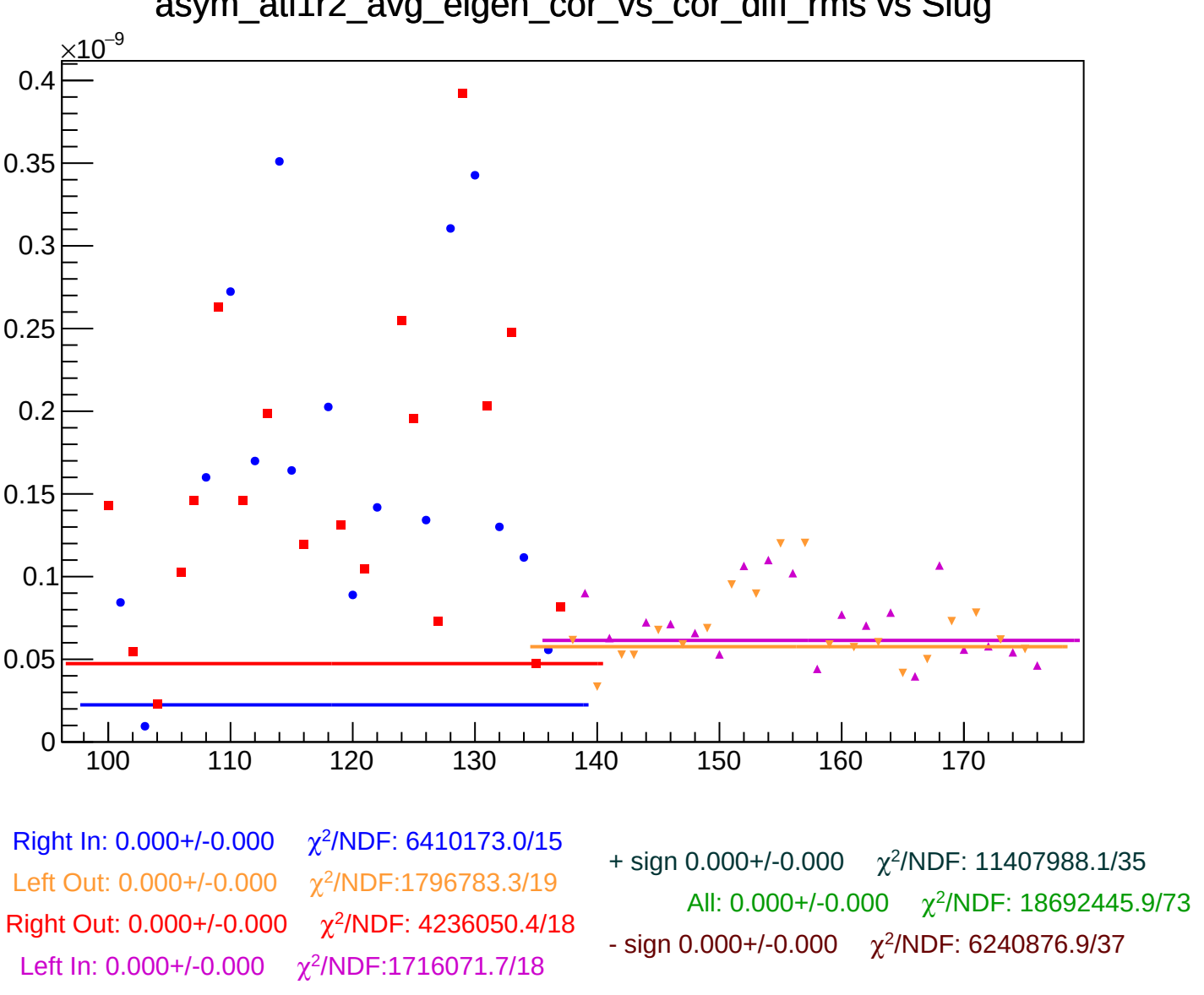
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

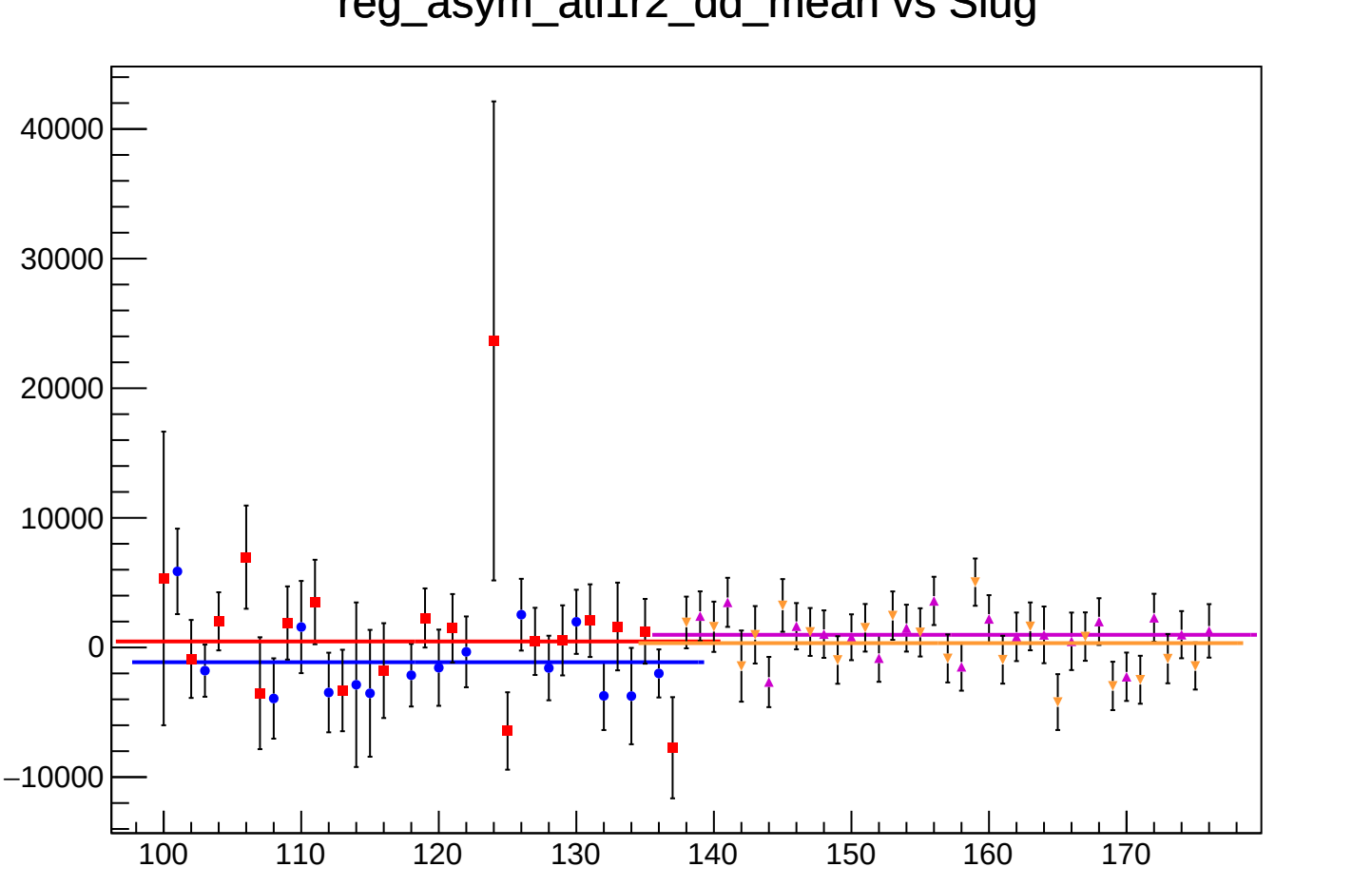
Left In: 0.000+/-0.000 χ^2/NDF:17.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/35

All: 0.000+/-0.000 χ^2/NDF: 82.0/73

- sign 0.000+/-0.000 χ^2/NDF: 45.1/37


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1796783.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:1716071.7/18
+ sign 0.000+/-0.000 χ²/NDF: 11407988.1/35
All: 0.000+/-0.000 χ²/NDF: 18692445.9/73
- sign 0.000+/-0.000 χ²/NDF: 6240876.9/37



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 336.508+/-430.370 χ^2/NDF:25.6/19

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

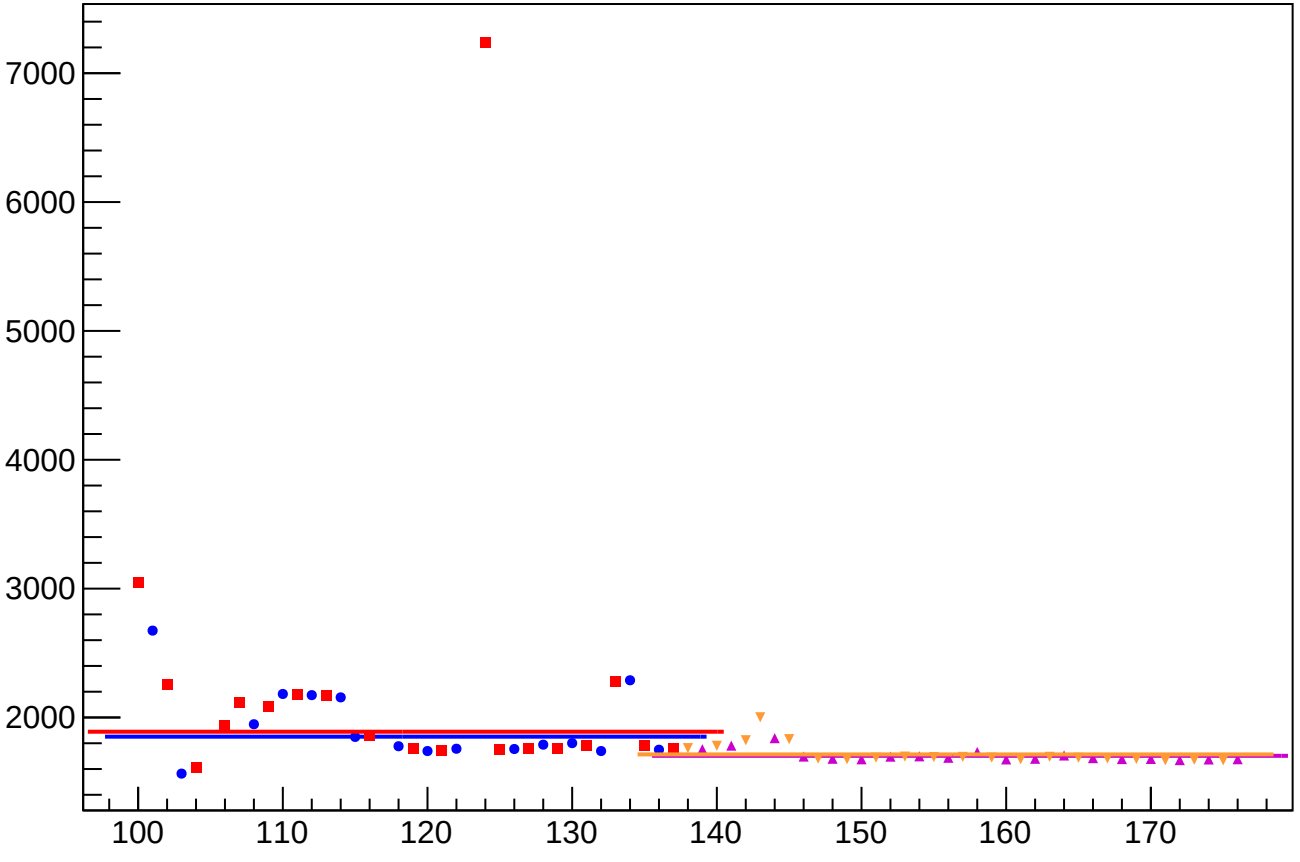
Left In: 976.751+/-431.972 χ^2/NDF:15.2/18

\+ sign -72.285+/-365.719 χ^2/NDF: 41.1/35

All: 379.197+/-259.566 χ^2/NDF: 79.7/73

\- sign 837.473+/-368.461 χ^2/NDF: 35.6/37

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1713.307+/-0.304 χ^2/NDF:56378.2/19

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

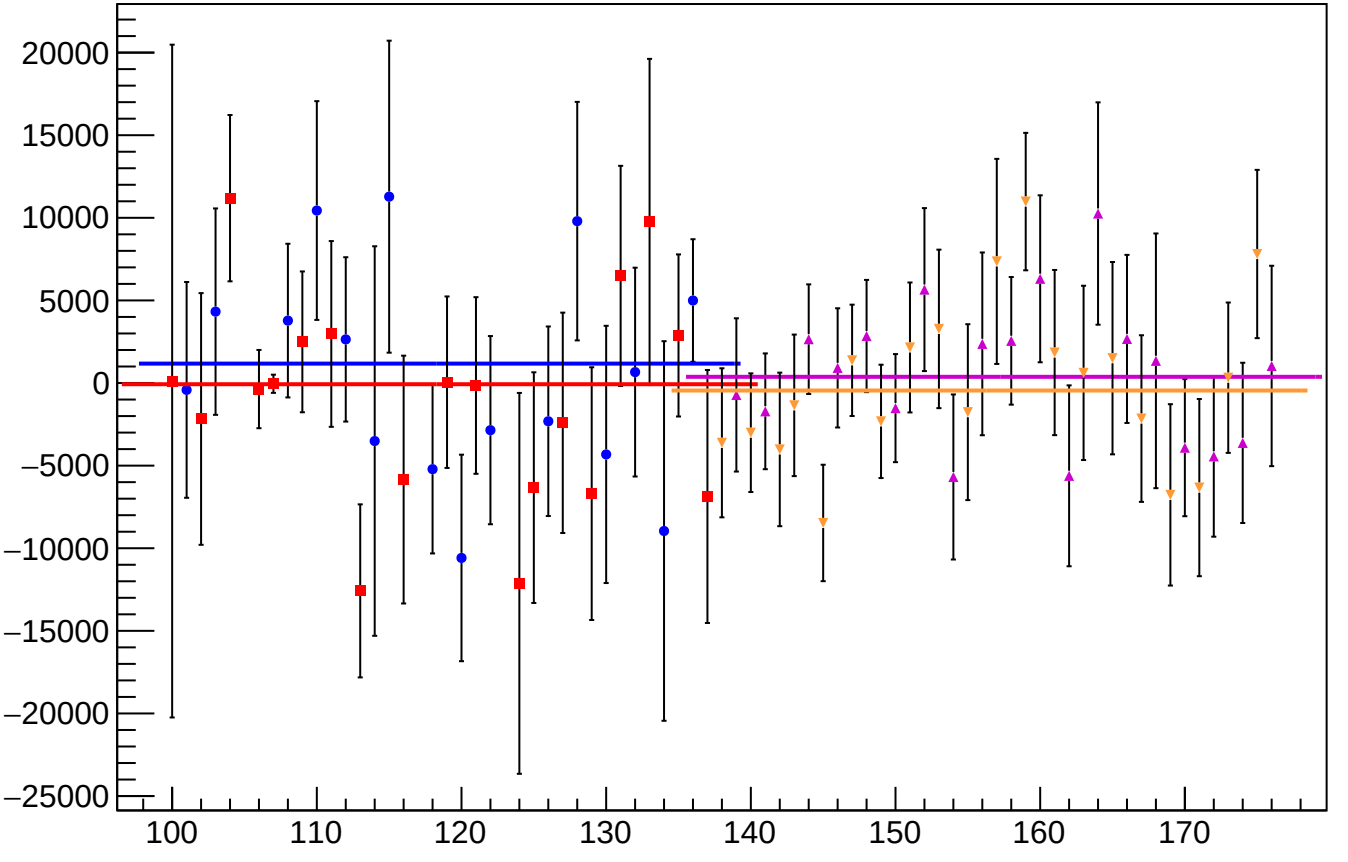
Left In: 1702.454+/-0.305 χ^2/NDF:19475.7/18

+ sign 1751.604+/-0.259 χ^2/NDF: 373355.6/35

All: 1752.591+/-0.183 χ^2/NDF: 854297.8/73

- sign 1753.592+/-0.260 χ^2/NDF: 480912.9/37

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -453.100+/-996.103 χ^2/NDF:23.3/19

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

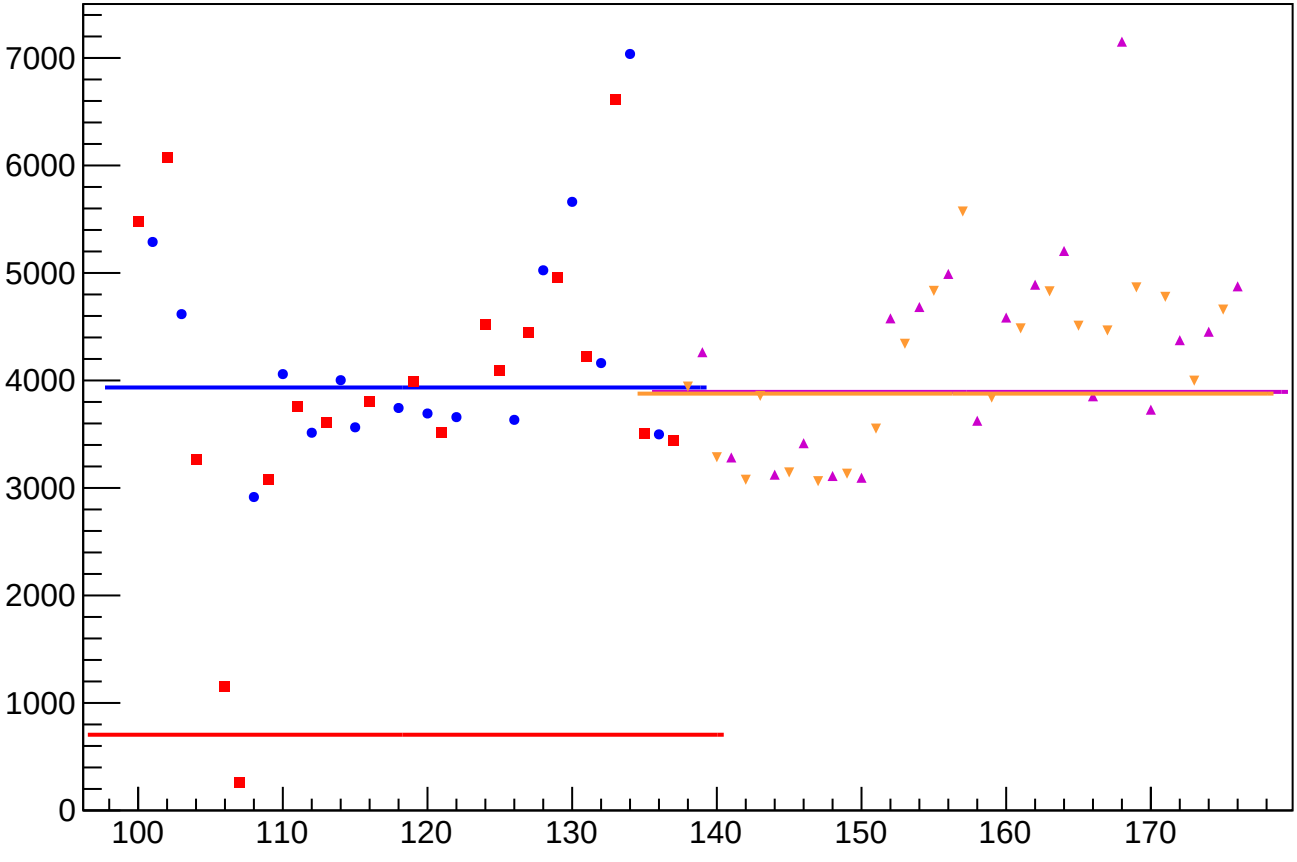
Left In: 376.234+/-1011.791 χ^2/NDF:12.5/18

+ sign 44.301+/-830.161 χ^2/NDF: 37.8/35

All: 23.284+/-397.204 χ^2/NDF: 68.5/73

- sign 17.044+/-452.342 χ^2/NDF: 30.6/37

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3877.545+/-0.704 χ^2/NDF:973045.0/19

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

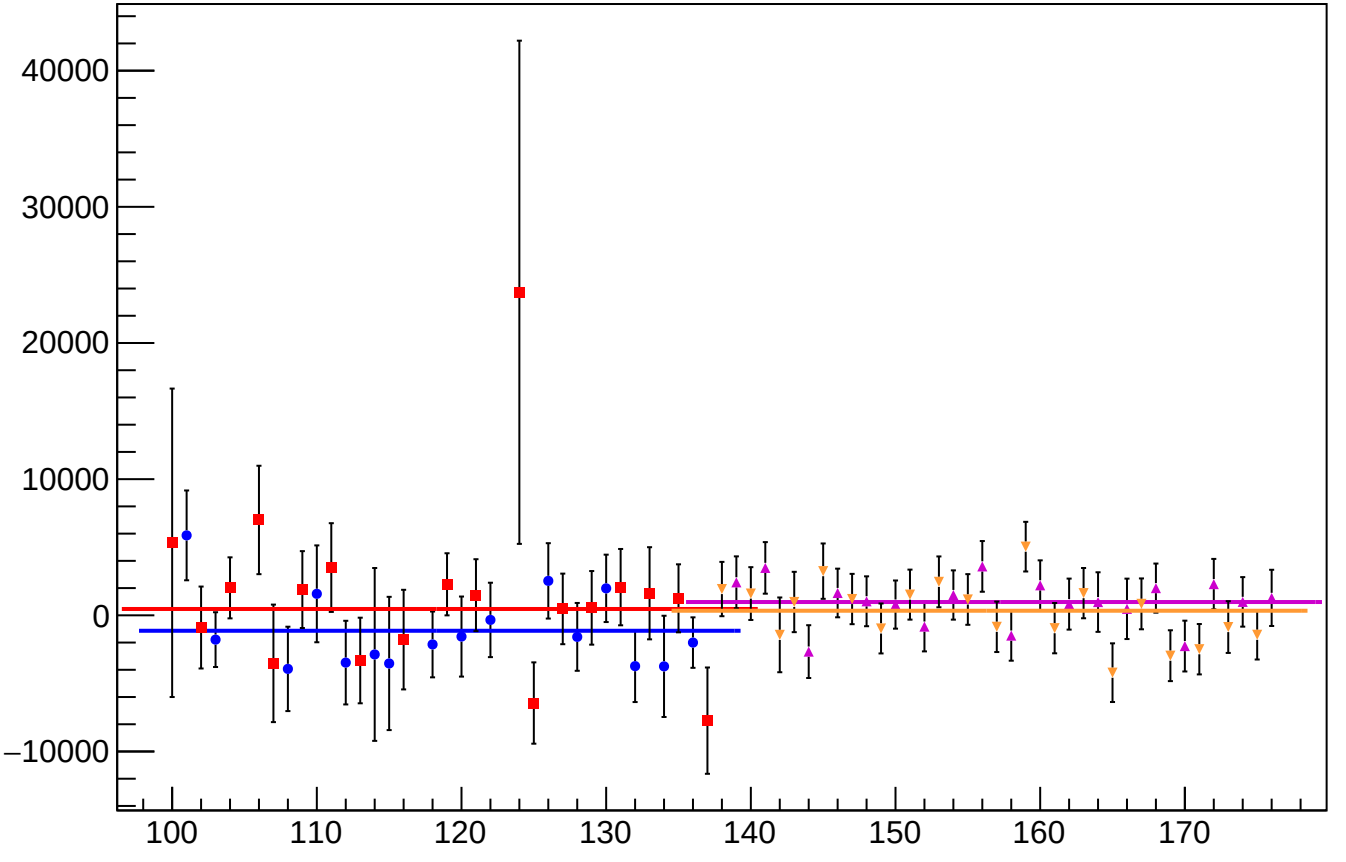
Left In: 3893.678+/-0.715 χ^2/NDF:1257119.5/18

+ sign 3895.008+/-0.587 χ^2/NDF: 1535182.9/35

All: 1926.333+/-0.281 χ^2/NDF: 43897691.0/7

- sign 1341.835+/-0.320 χ^2/NDF: 27775738.6/37

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 336.568+/-430.370 χ^2/NDF:25.6/19

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

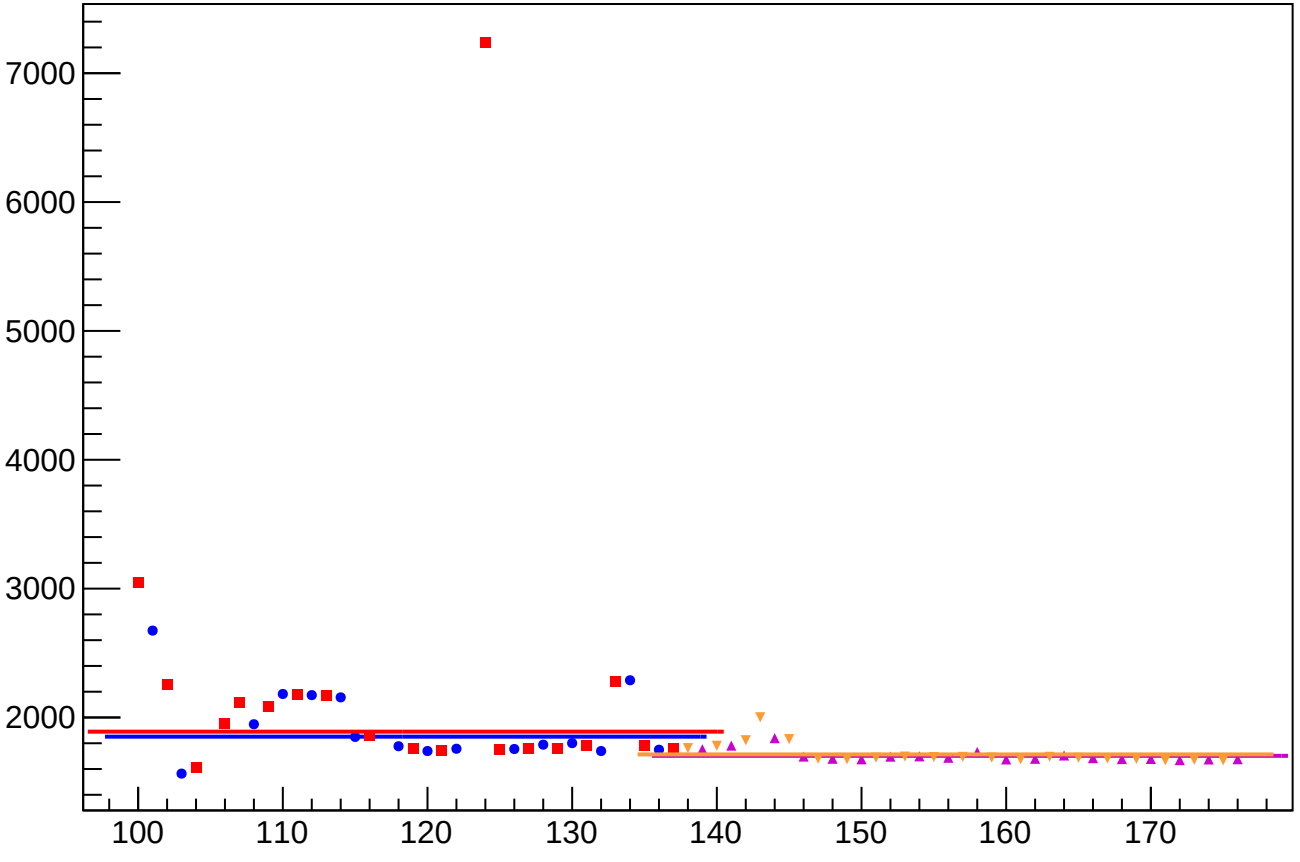
Left In: 976.651+/-431.972 χ^2/NDF:15.2/18

+ sign -72.122+/-365.719 χ^2/NDF: 41.1/35

All: 379.294+/-259.567 χ^2/NDF: 79.8/73

- sign 837.504+/-368.461 χ^2/NDF: 35.6/37

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1713.307+/-0.304 χ^2/NDF:56378.2/19

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

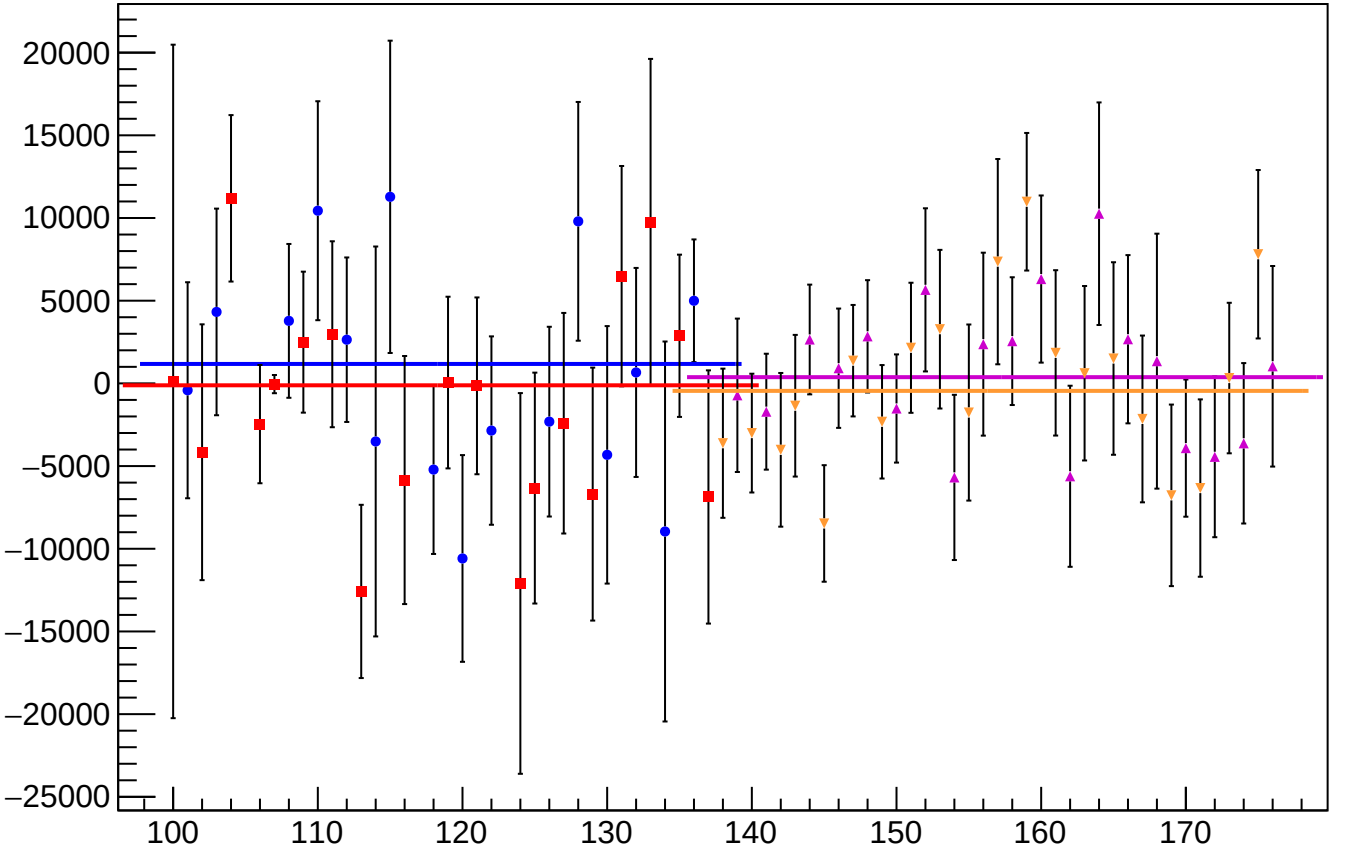
Left In: 1702.454+/-0.305 χ^2/NDF:19475.7/18

+ sign 1751.605+/-0.259 χ^2/NDF: 373355.1/35

All: 1752.645+/-0.183 χ^2/NDF: 854989.3/73

- sign 1753.700+/-0.260 χ^2/NDF: 481601.6/37

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -453.103+/-996.101 χ^2/NDF:23.3/19

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

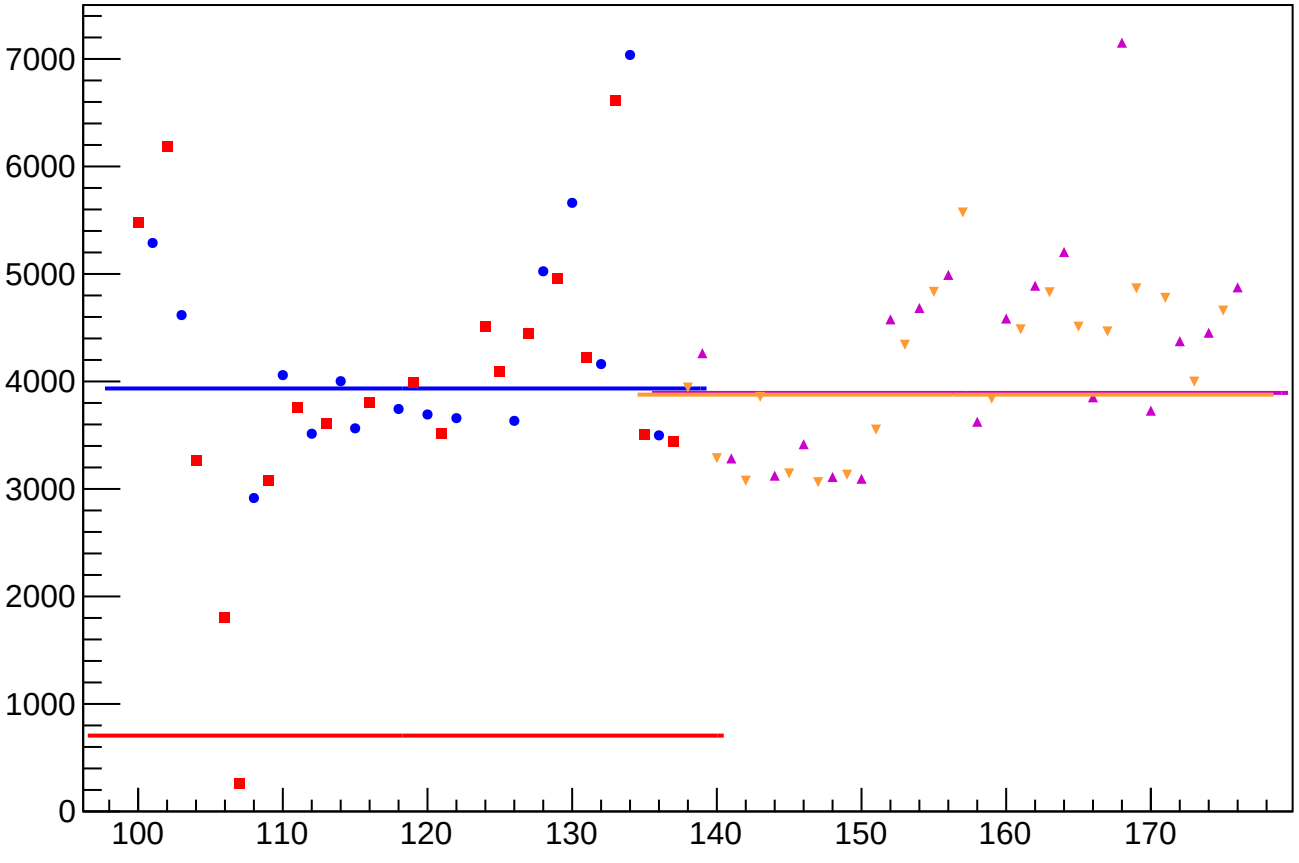
Left In: 376.202+/-1011.791 χ^2/NDF:12.5/18

+ sign 44.288+/-830.161 χ^2/NDF: 37.8/35

All: -1.593+/-400.377 χ^2/NDF: 69.1/73

- sign -15.500+/-457.044 χ^2/NDF: 31.3/37

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3877.536+/-0.704 χ^2/NDF:973054.9/19

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

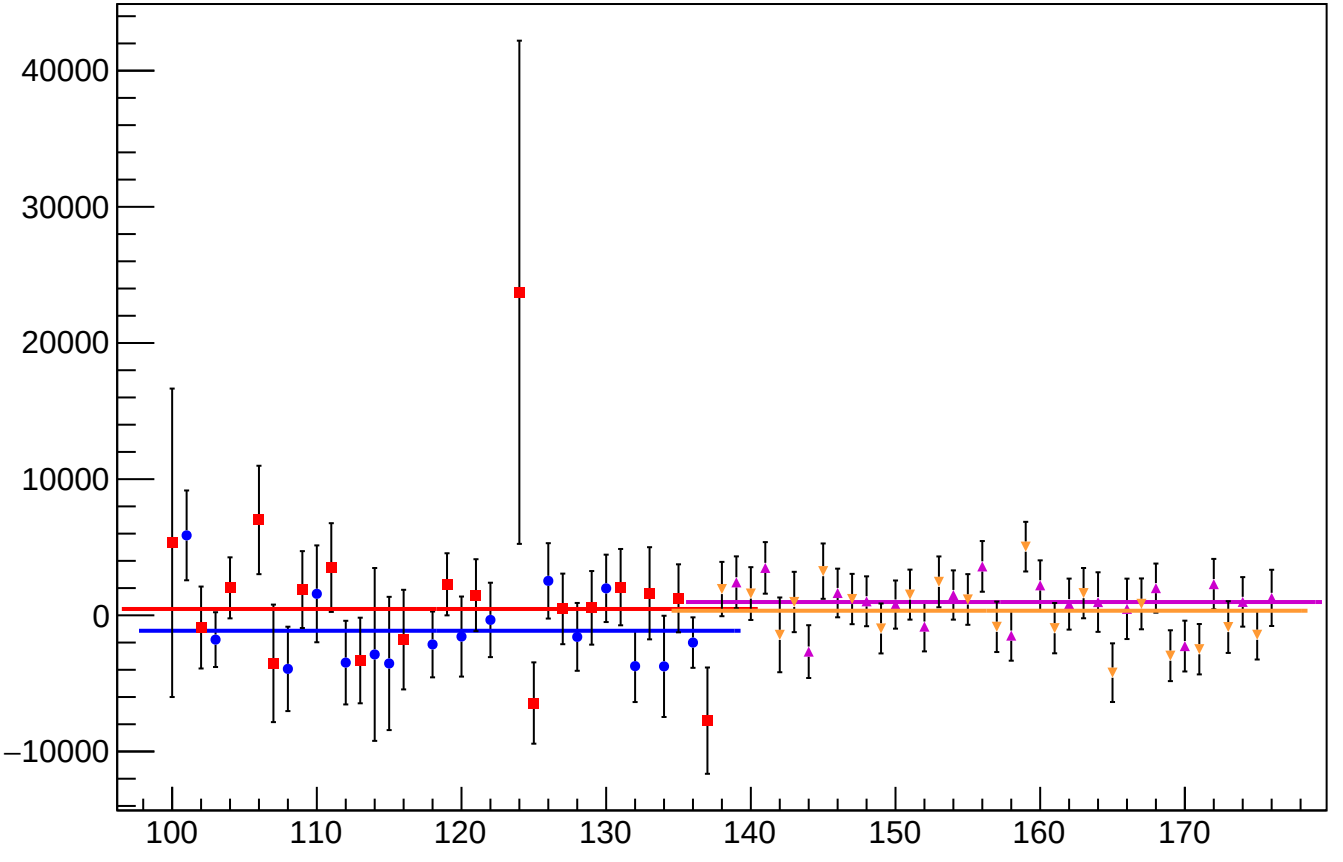
Left In: 3893.677+/-0.715 χ^2/NDF:1257104.5/18

+ sign 3895.003+/-0.587 χ^2/NDF: 1535218.4/35

All: 1946.684+/-0.283 χ^2/NDF: 43699305.2/7

- sign 1356.141+/-0.323 χ^2/NDF: 27809037.7/37

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 336.568+/-430.370 χ^2/NDF:25.6/19

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

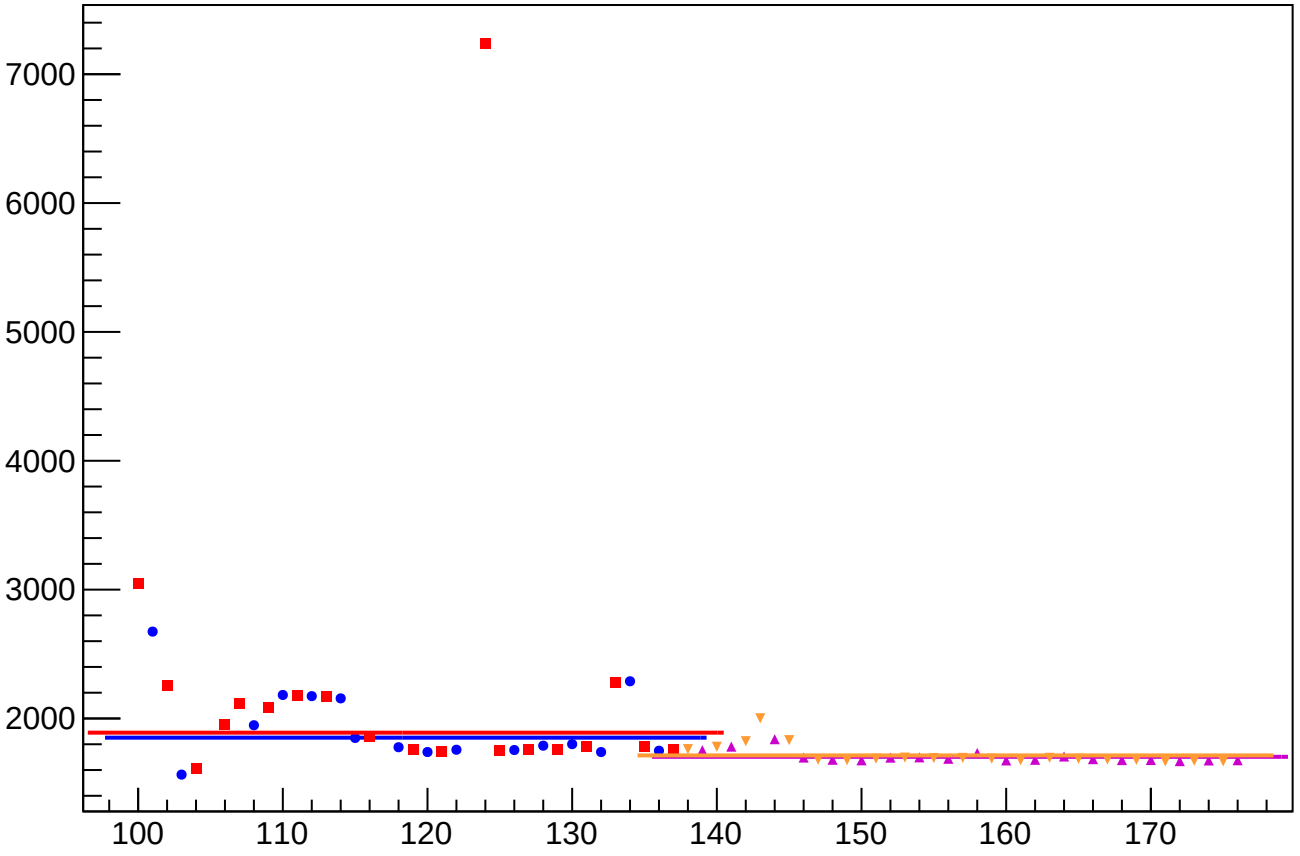
Left In: 976.651+/-431.972 χ^2/NDF:15.2/18

+ sign -72.122+/-365.719 χ^2/NDF: 41.1/35

All: 379.294+/-259.567 χ^2/NDF: 79.8/73

- sign 837.504+/-368.461 χ^2/NDF: 35.6/37

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1713.307+/-0.304 χ^2/NDF:56378.2/19

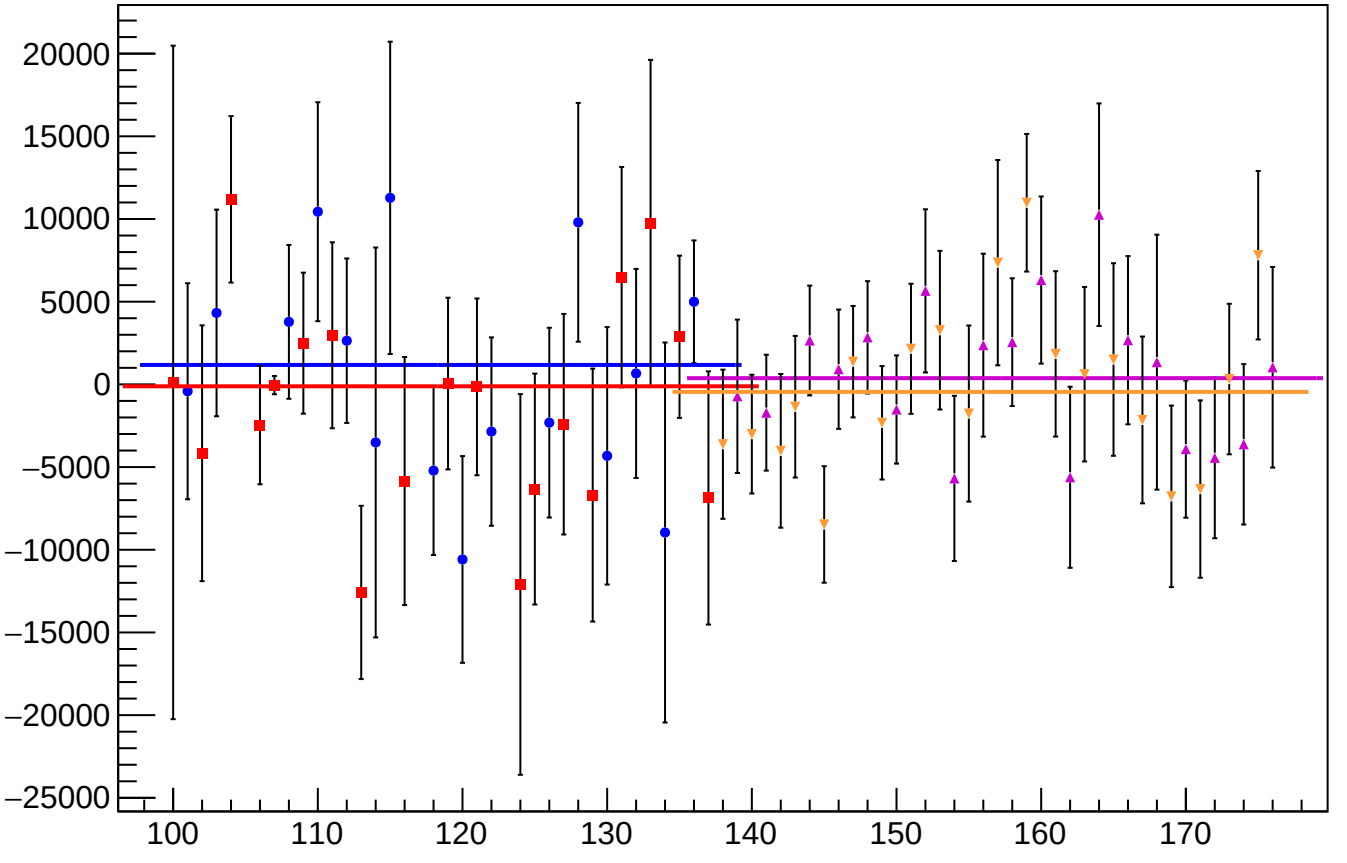
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1702.454+/-0.305 χ^2/NDF:19475.7/18

+ sign 1751.605+/-0.259 χ^2/NDF: 373355.1/35

All: 1752.645+/-0.183 χ^2/NDF: 854989.3/73

- sign 1753.700+/-0.260 χ^2/NDF: 481601.6/37



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -453.103+/-996.101 χ^2/NDF:23.3/19

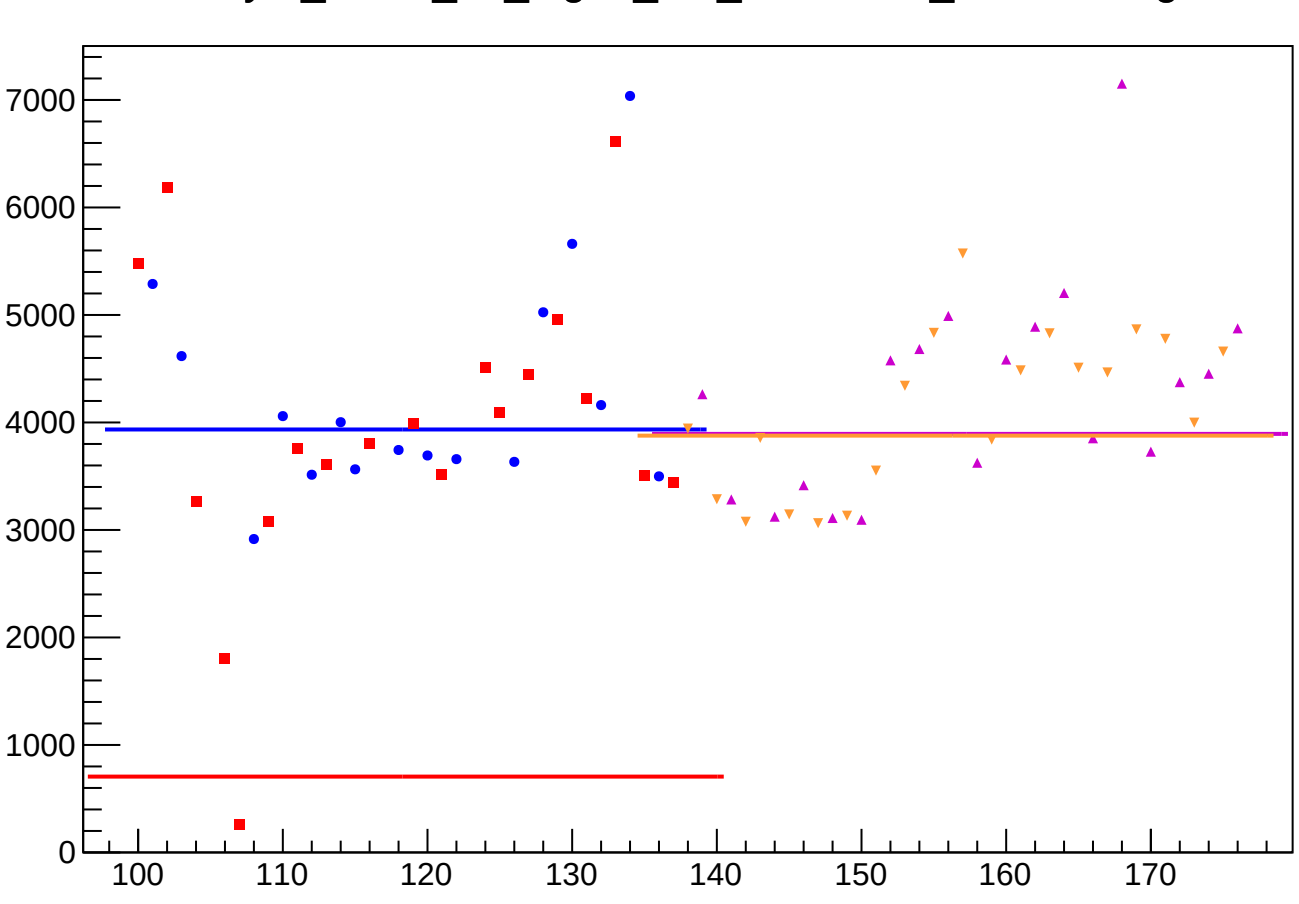
Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 376.202+/-1011.791 χ^2/NDF:12.5/18

+ sign 44.288+/-830.161 χ^2/NDF: 37.8/35

All: -1.593+/-400.377 χ^2/NDF: 69.1/73

- sign -15.500+/-457.044 χ^2/NDF: 31.3/37



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3877.536+/-0.704 χ^2/NDF:973054.9/19

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

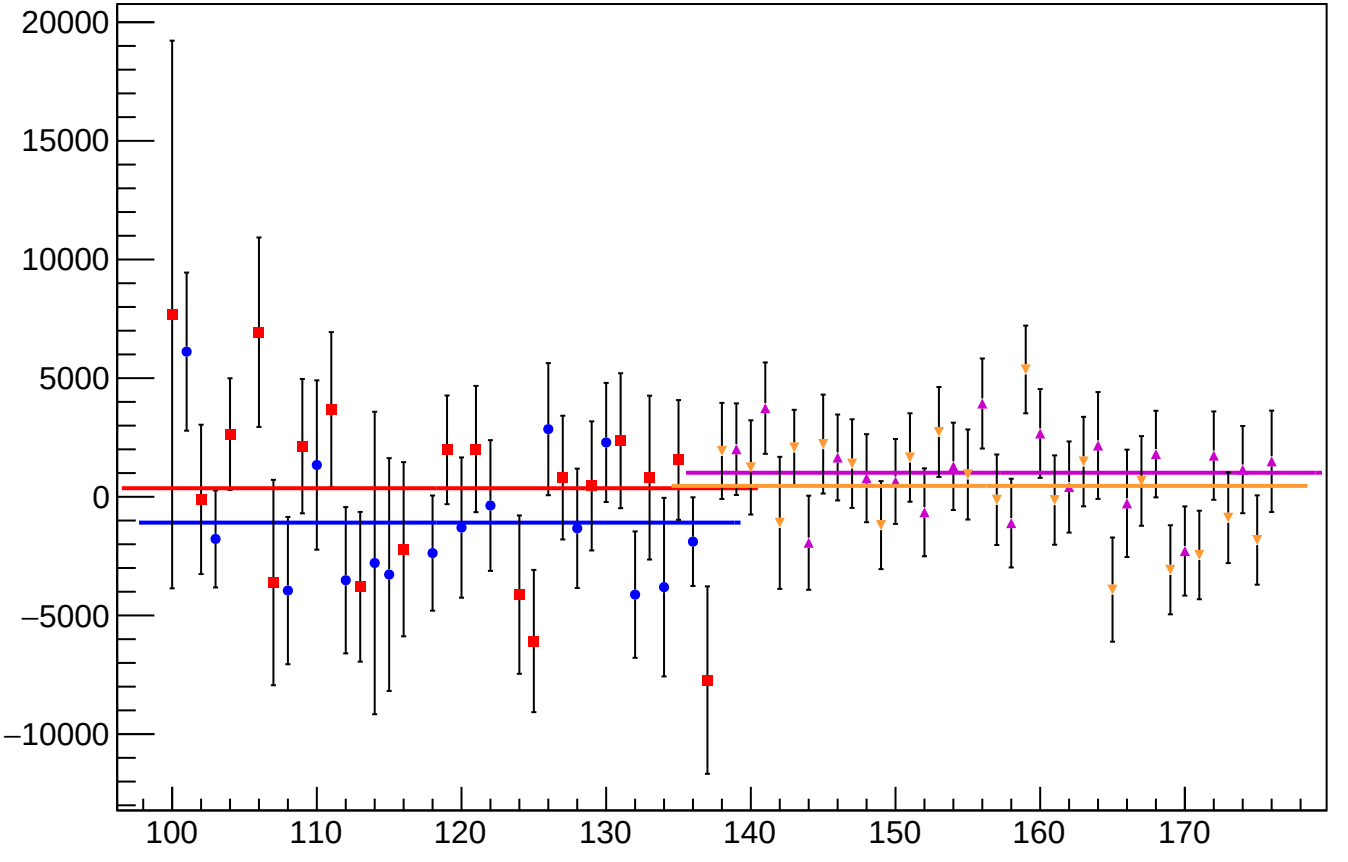
Left In: 3893.677+/-0.715 χ^2/NDF:1257104.5/18

+ sign 3895.003+/-0.587 χ^2/NDF: 1535218.4/35

All: 1946.684+/-0.283 χ^2/NDF: 43699305.2/7

- sign 1356.141+/-0.323 χ^2/NDF: 27809037.7/37

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 459.630+/-429.515 χ^2/NDF:25.2/19

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

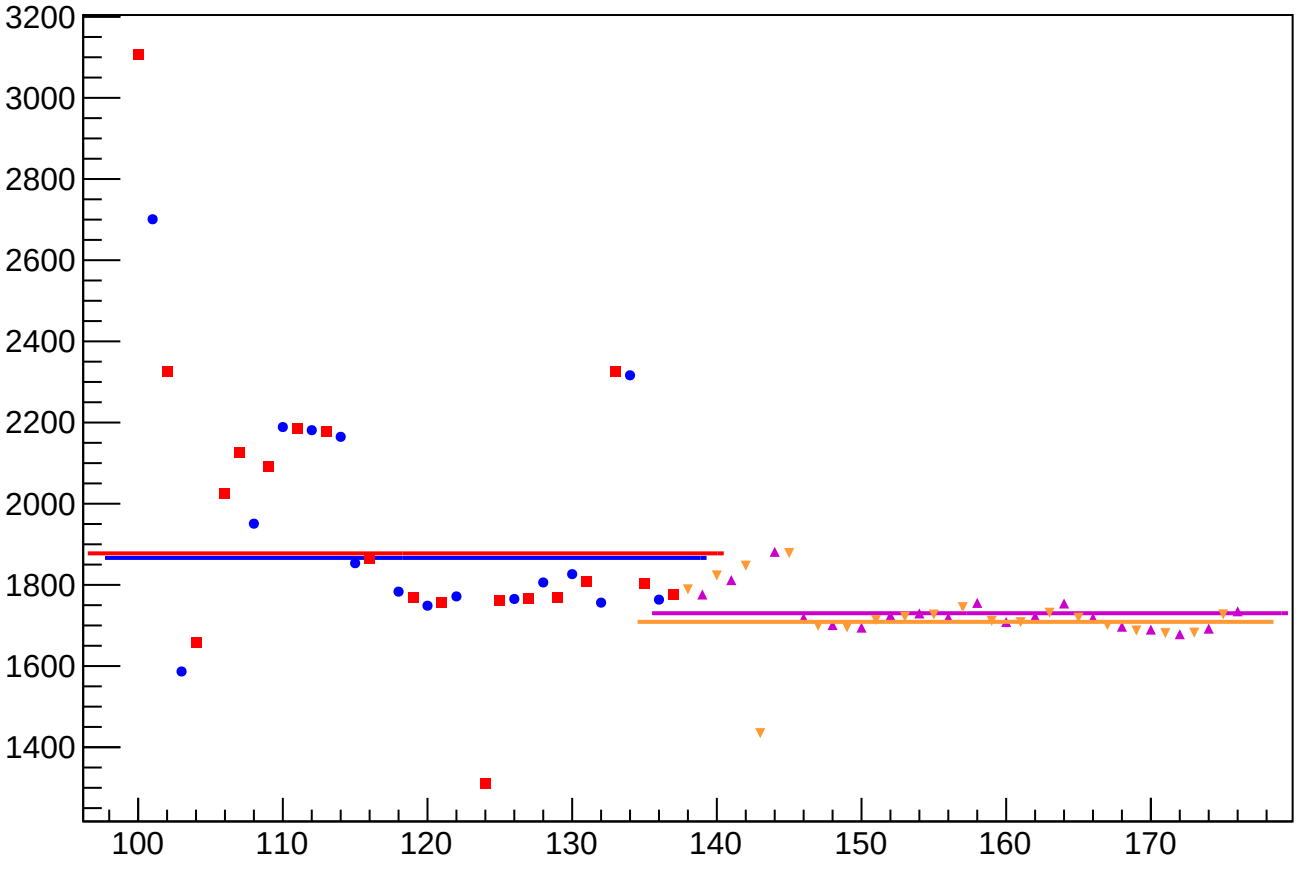
Left In: 1014.517+/-439.046 χ^2/NDF:14.1/18

\+ sign 36.029+/-366.033 χ^2/NDF: 41.9/35

All: 426.686+/-260.870 χ^2/NDF: 79.8/73

\- sign 829.947+/-371.890 χ^2/NDF: 35.5/37

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1708.918+/-0.304 χ^2/NDF:90424.8/19

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

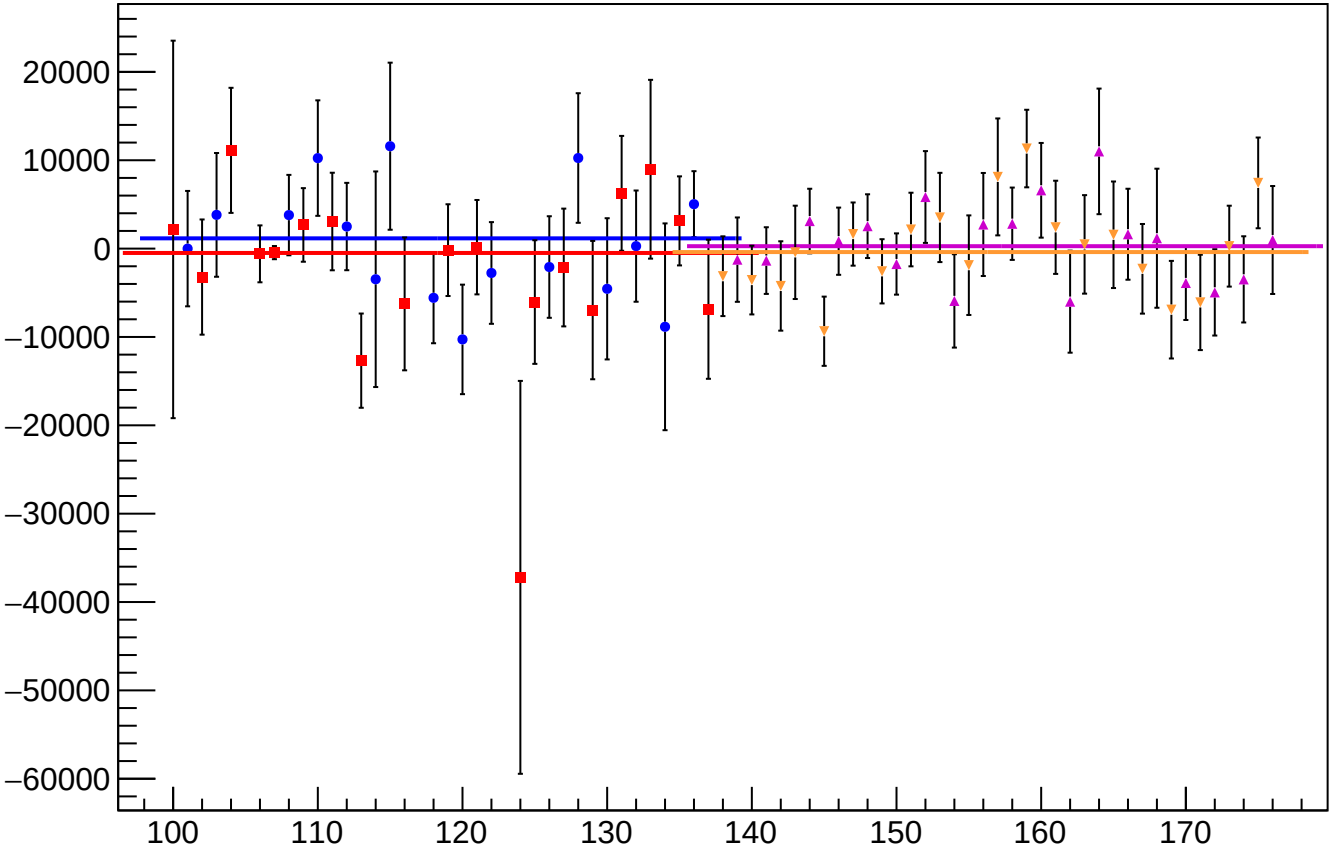
Left In: 1730.176+/-0.310 χ^2/NDF:22759.6/18

+ sign 1752.045+/-0.259 χ^2/NDF: 420342.8/35

All: 1761.814+/-0.184 χ^2/NDF: 761681.4/73

- sign 1771.893+/-0.263 χ^2/NDF: 338444.5/37

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -391.188+/-1054.312 χ^2/NDF:22.8/19

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

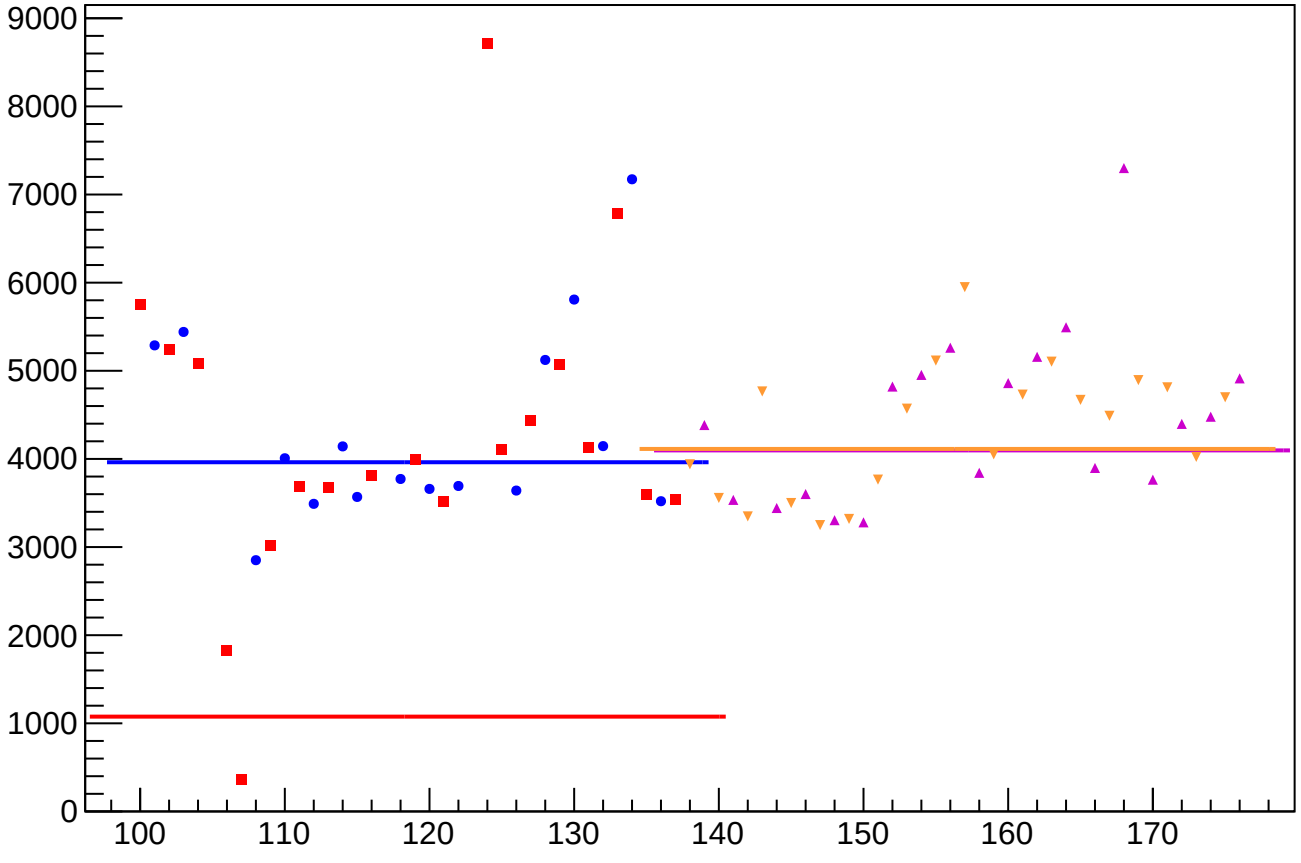
Left In: 273.784+/-1062.272 χ^2/NDF:12.4/18

+ sign 116.554+/-864.865 χ^2/NDF: 37.1/35

All: -162.995+/-469.883 χ^2/NDF: 67.0/73

- sign -280.069+/-559.693 χ^2/NDF: 29.7/37

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4113.322+/-0.746 χ^2/NDF:848436.4/19

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

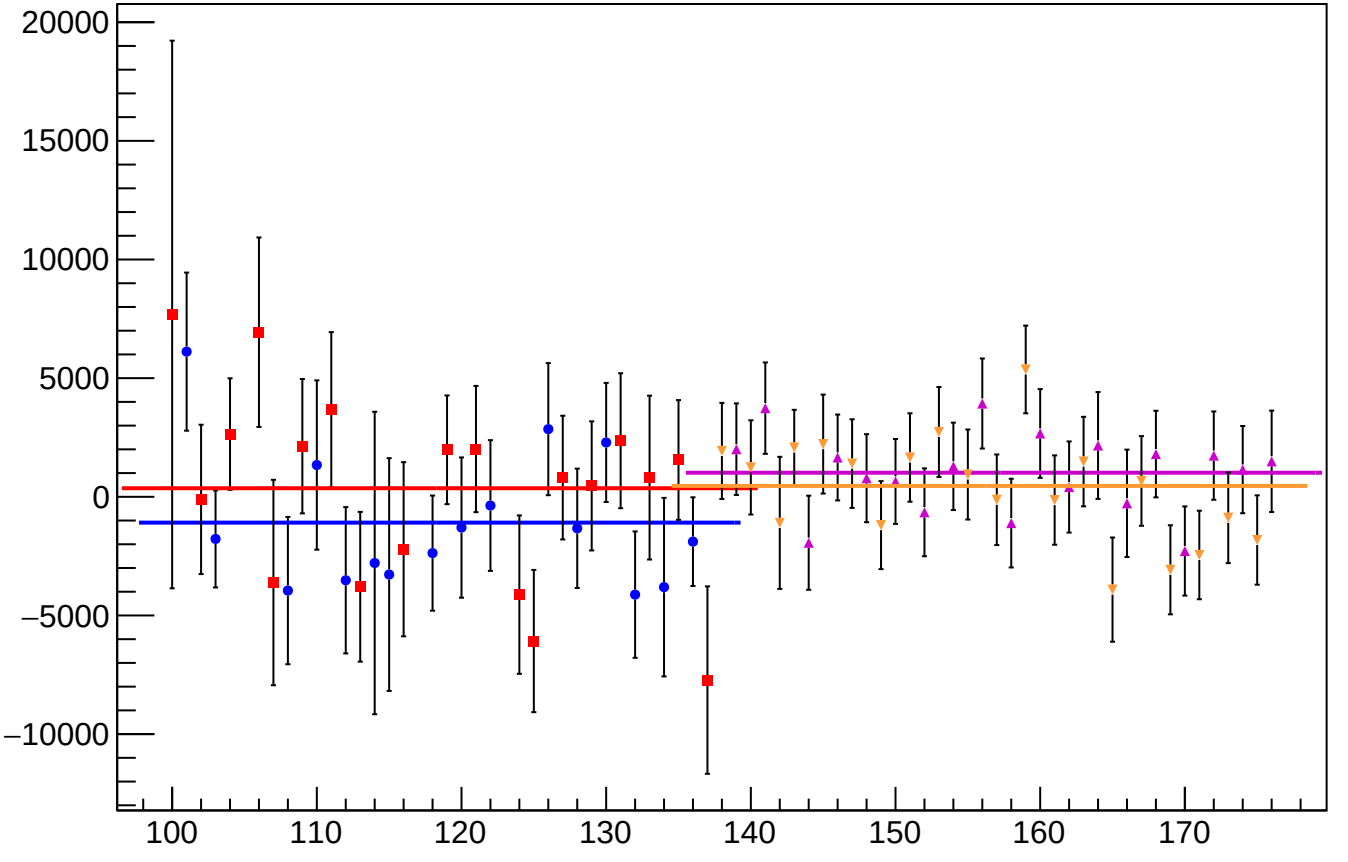
Left In: 4096.751+/-0.751 χ^2/NDF:1123737.2/18

+ sign 4063.947+/-0.612 χ^2/NDF: 1530186.5/35

All: 2549.000+/-0.332 χ^2/NDF: 32602436.3/7

- sign 1914.546+/-0.396 χ^2/NDF: 22365669.7/37

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 459.634+/-429.516 χ^2/NDF:25.2/19

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

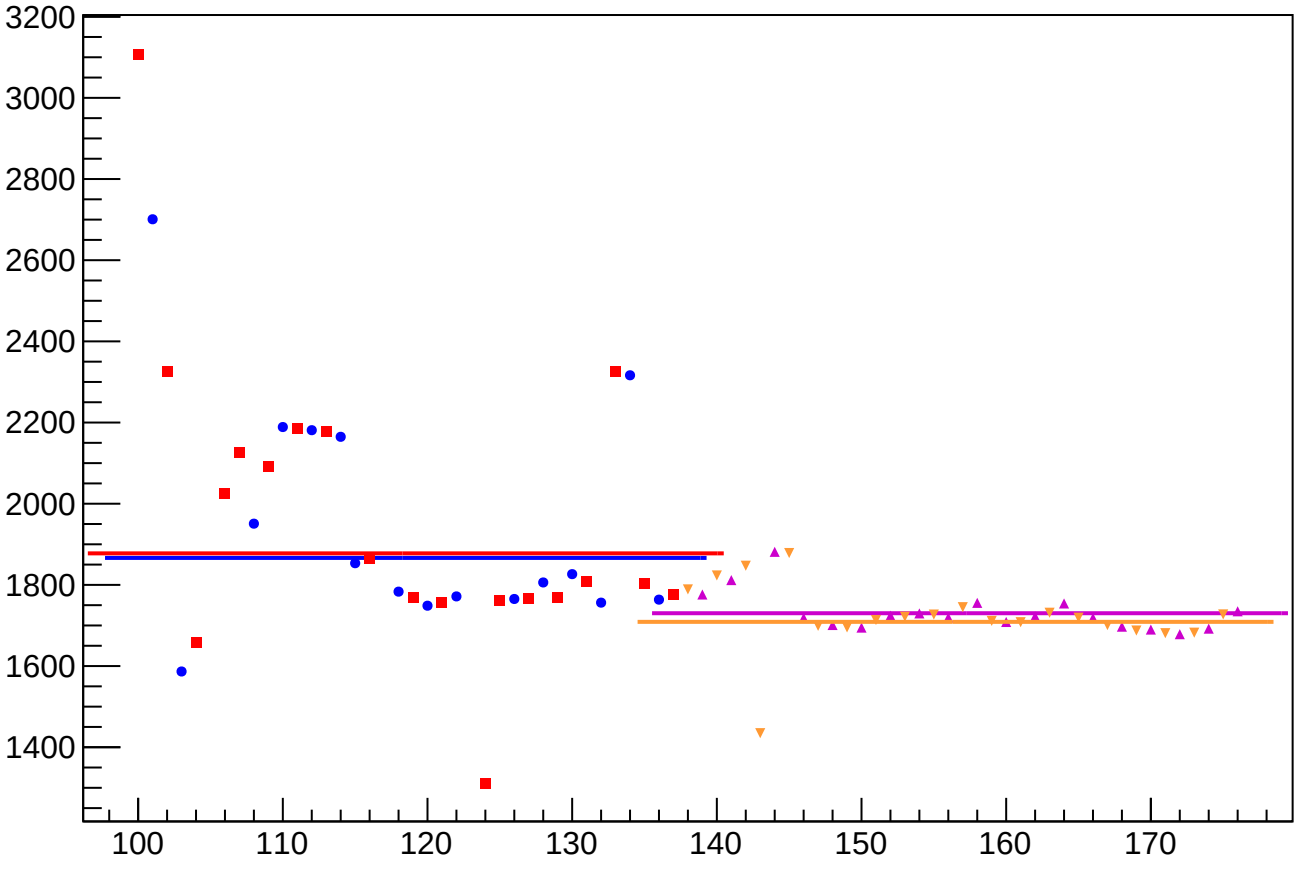
Left In: 1014.519+/-439.046 χ^2/NDF:14.1/18

\+ sign 36.030+/-366.033 χ^2/NDF: 41.9/35

All: 426.688+/-260.871 χ^2/NDF: 79.8/73

\- sign 829.949+/-371.890 χ^2/NDF: 35.5/37

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1708.919+/-0.304 χ^2/NDF:90424.0/19

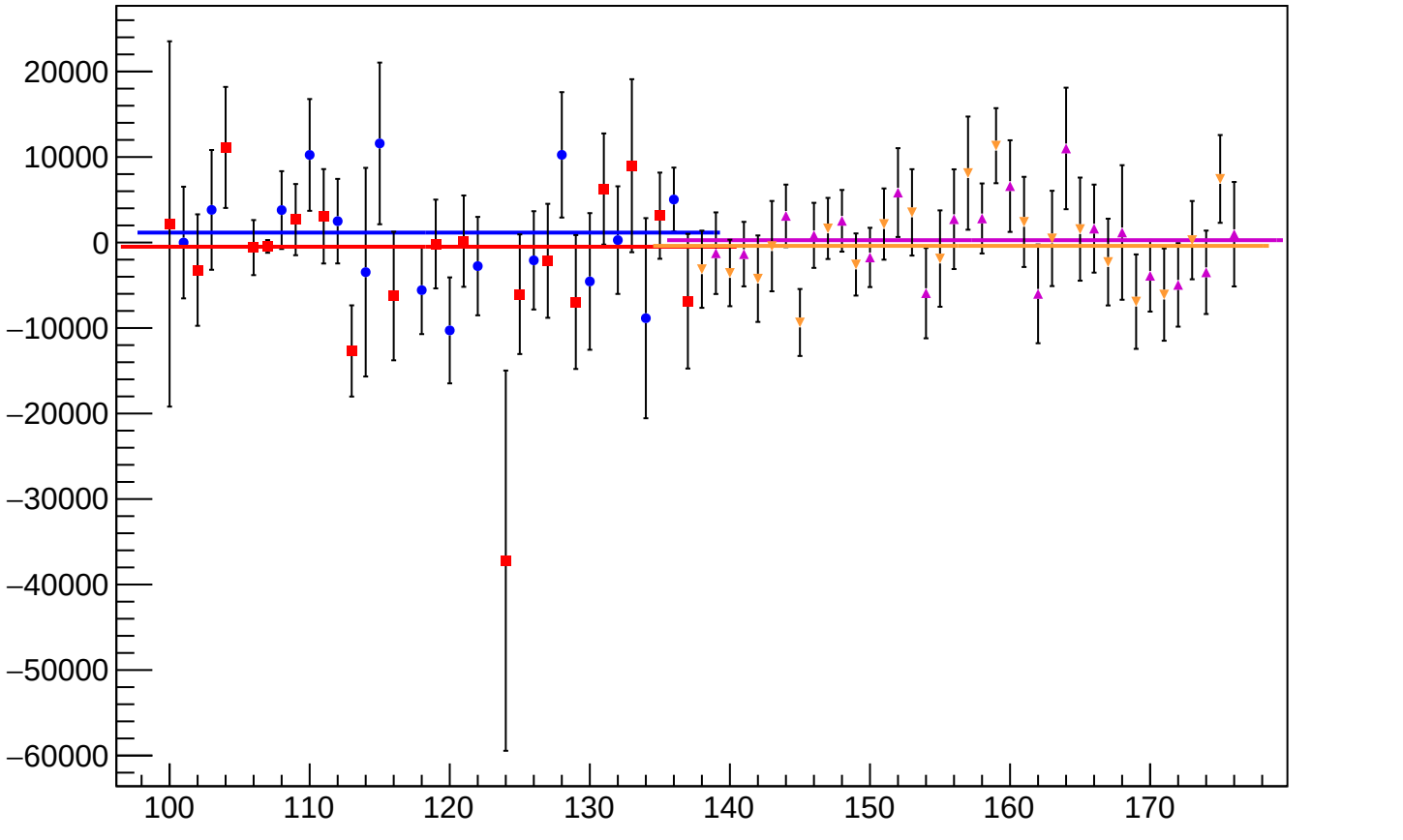
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1730.177+/-0.310 χ^2/NDF:22759.6/18

+ sign 1752.046+/-0.259 χ^2/NDF: 420341.0/35

All: 1761.814+/-0.184 χ^2/NDF: 761679.3/73

- sign 1771.893+/-0.263 χ^2/NDF: 338444.2/37



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -391.188+/-1054.314 χ^2/NDF:22.8/19

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

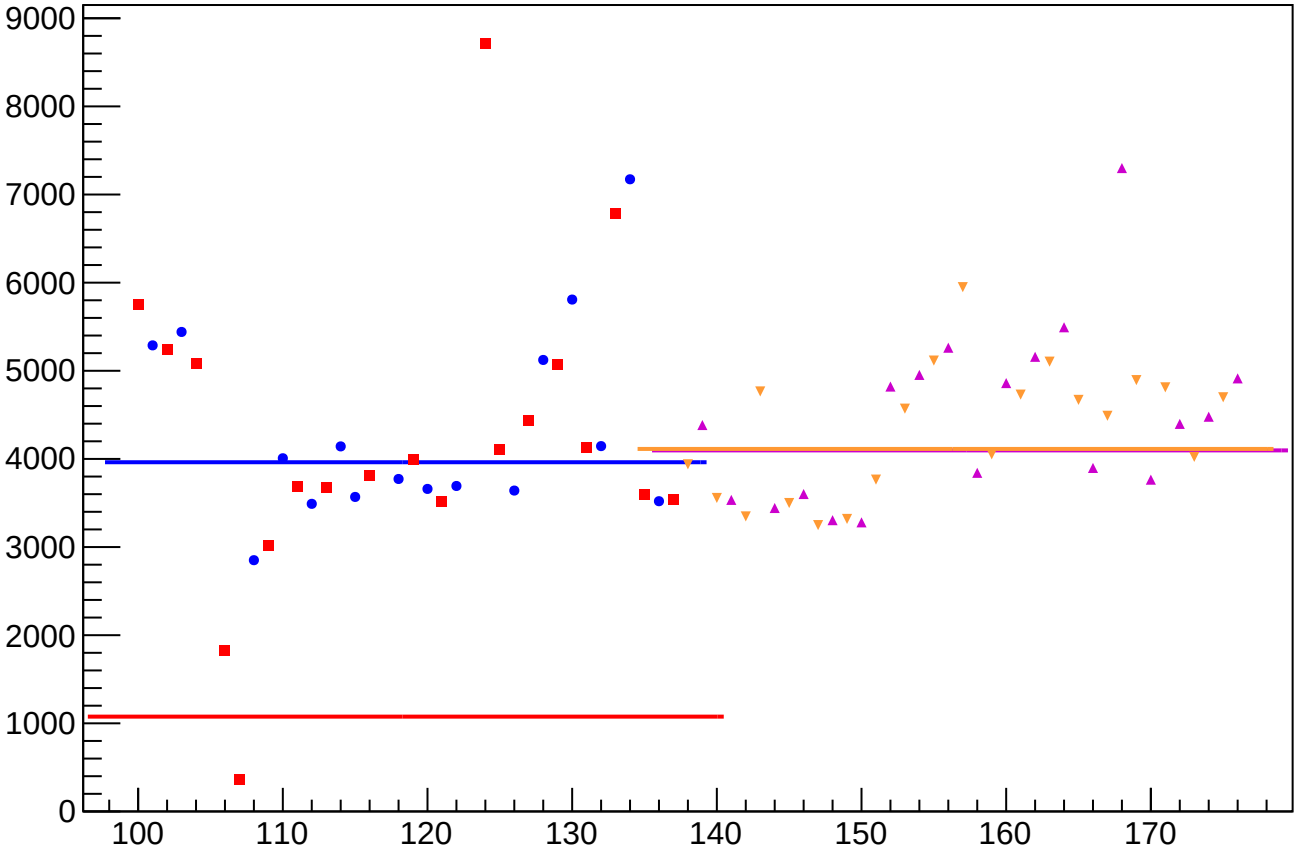
Left In: 273.782+/-1062.274 χ^2/NDF:12.4/18

+ sign 116.549+/-864.866 χ^2/NDF: 37.1/35

All: -162.995+/-469.887 χ^2/NDF: 67.0/73

- sign -280.070+/-559.700 χ^2/NDF: 29.7/37

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4113.327+/-0.746 χ^2/NDF:848436.2/19

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

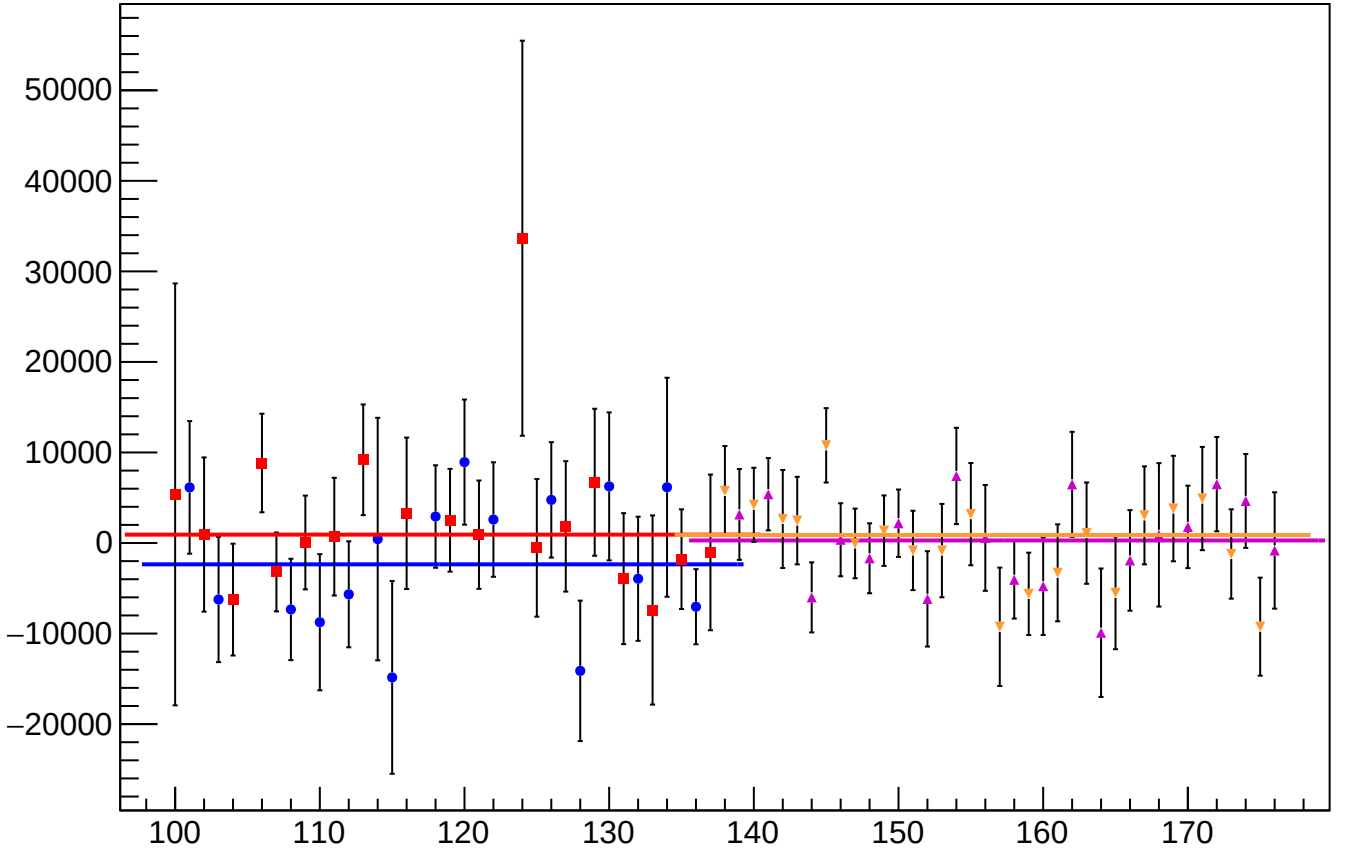
Left In: 4096.757+/-0.751 χ^2/NDF:1123739.4/18

+ sign 4063.948+/-0.612 χ^2/NDF: 1530184.8/35

All: 2549.041+/-0.332 χ^2/NDF: 32601587.3/7

- sign 1914.588+/-0.396 χ^2/NDF: 22365217.6/37

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 881.816+/-1100.944 χ^2/NDF:18.8/19

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

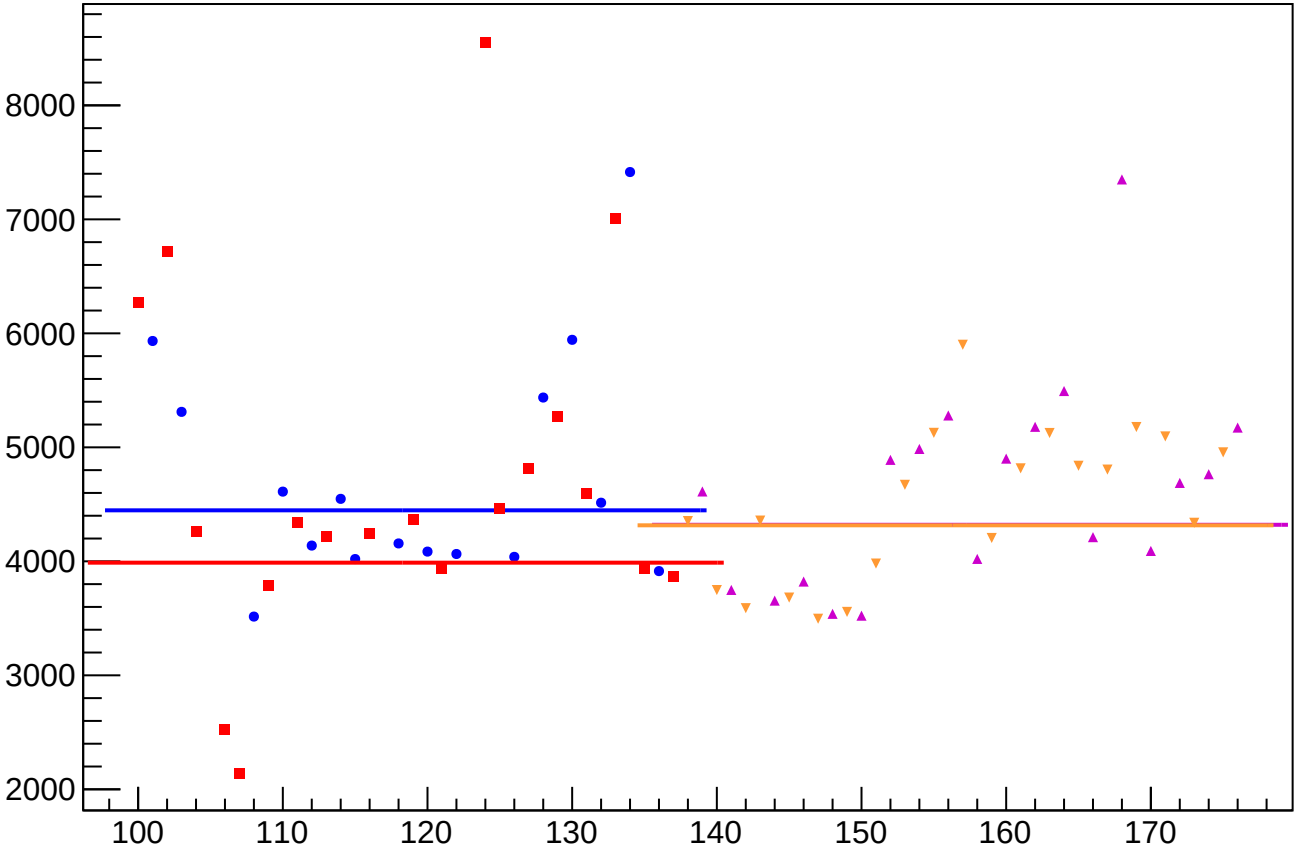
Left In: 282.031+/-1115.139 χ^2/NDF:16.0/18

+ sign -86.711+/-921.619 χ^2/NDF: 37.0/35

All: 213.068+/-645.578 χ^2/NDF: 63.9/73

- sign 501.871+/-904.591 χ^2/NDF: 26.7/37

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4315.997+/-0.778 χ^2/NDF:669532.5/19

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

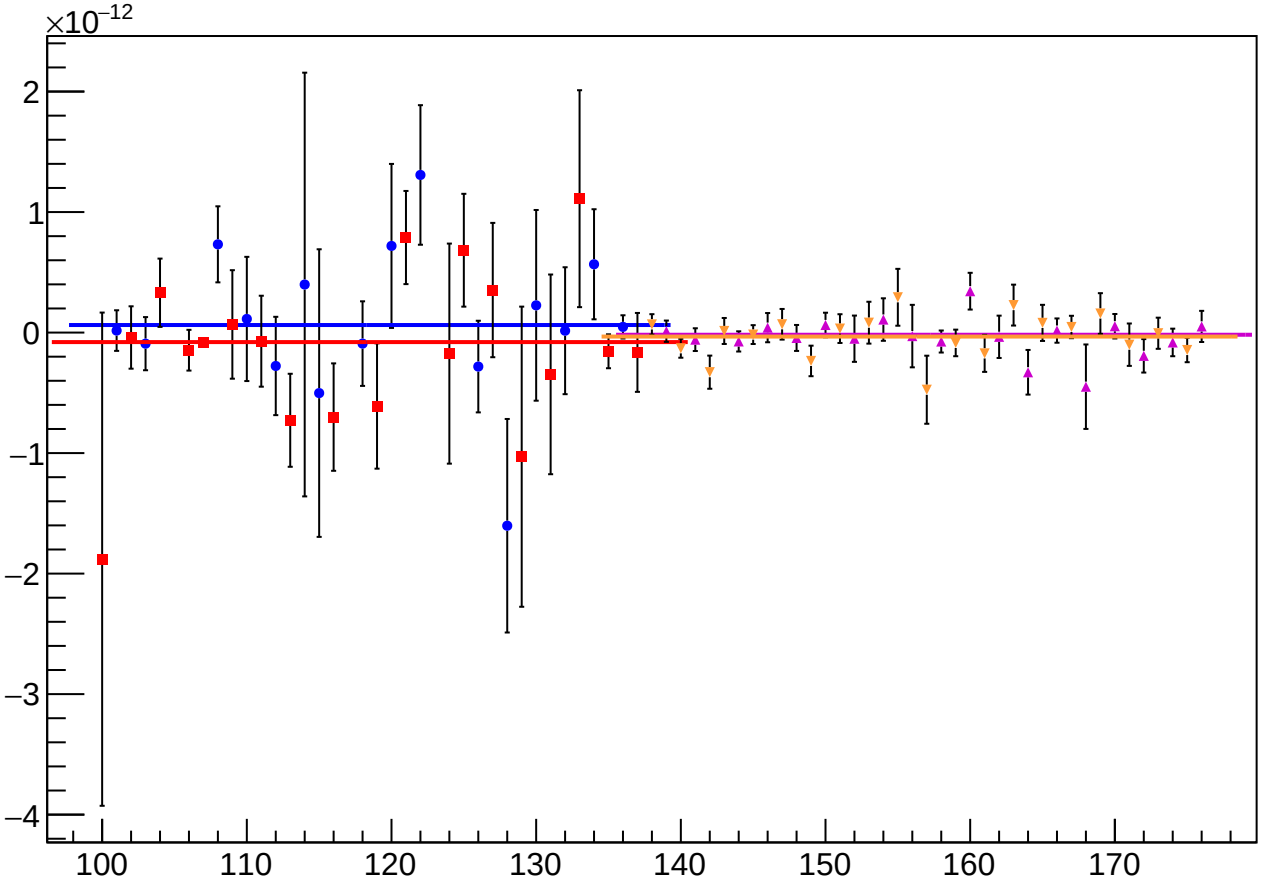
Left In: 4320.538+/-0.789 χ^2/NDF:909432.6/18

+ sign 4355.324+/-0.652 χ^2/NDF: 1136312.5/35

All: 4278.713+/-0.456 χ^2/NDF: 3278248.2/73

- sign 4205.410+/-0.637 χ^2/NDF: 2114892.1/37

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:23.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

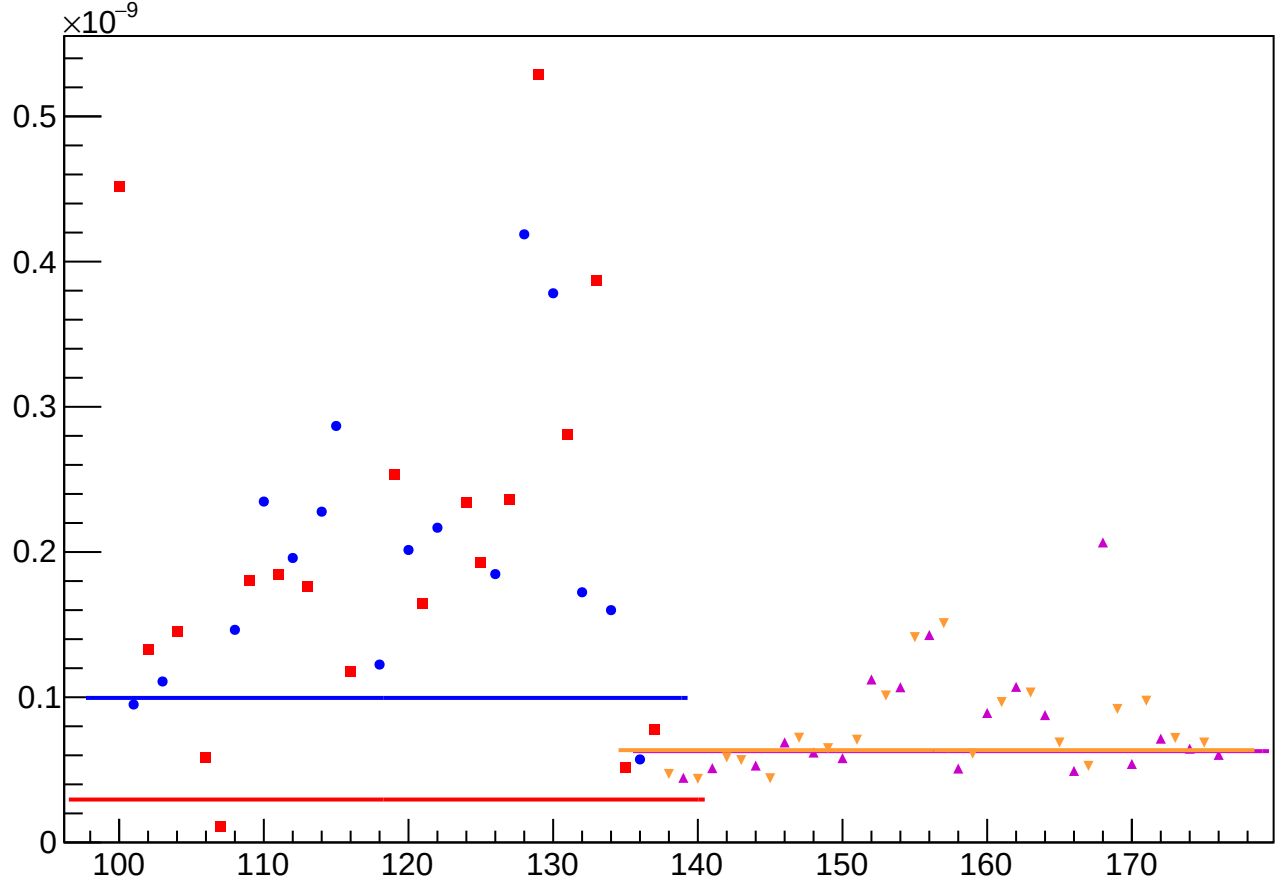
Left In: -0.000+/-0.000 χ^2/NDF:15.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 42.7/35

All: -0.000+/-0.000 χ^2/NDF: 80.5/73

- sign -0.000+/-0.000 χ^2/NDF: 37.4/37

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1233595.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

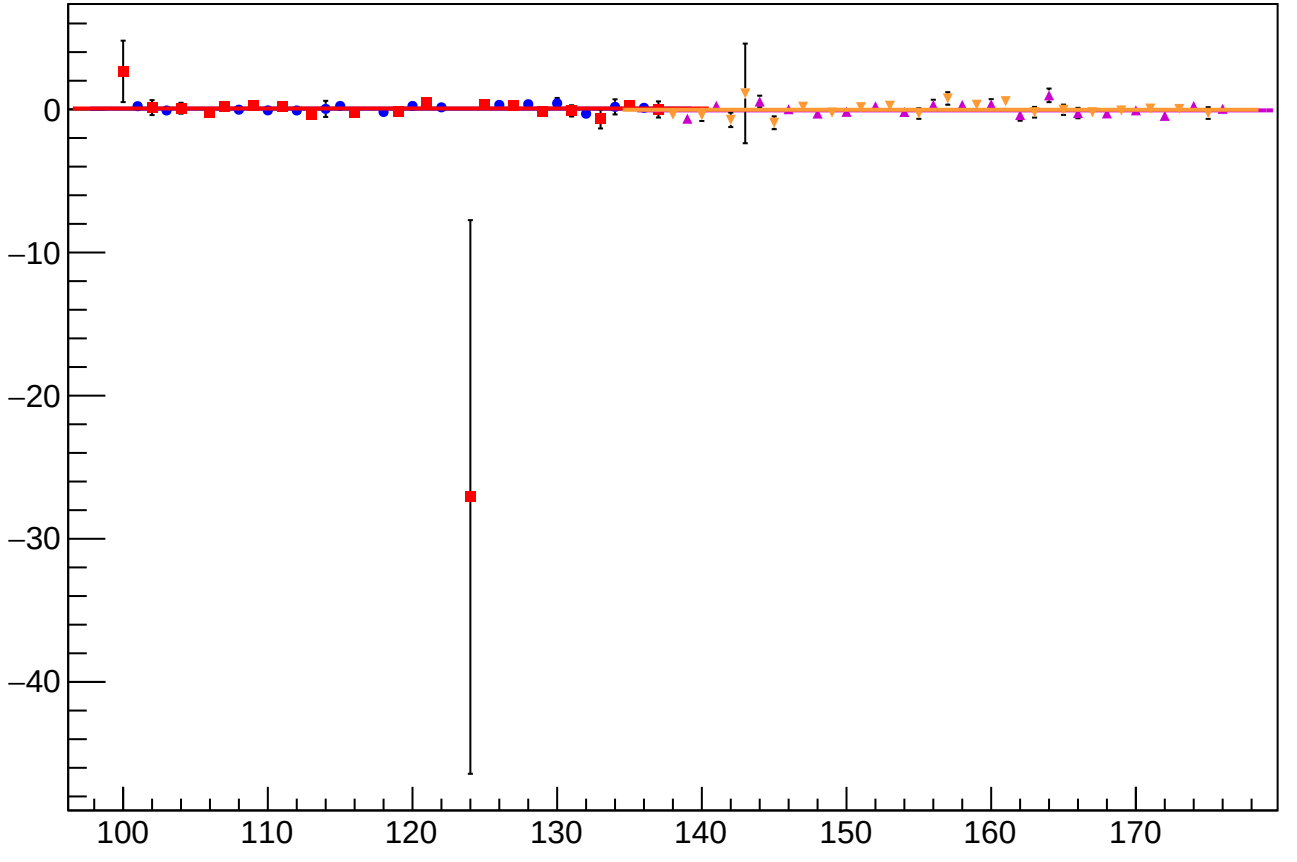
Left In: 0.000+/-0.000 χ^2/NDF:1255358.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 3280635.7/35

All: 0.000+/-0.000 χ^2/NDF: 10767928.6/73

- sign 0.000+/-0.000 χ^2/NDF: 6811043.6/37

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

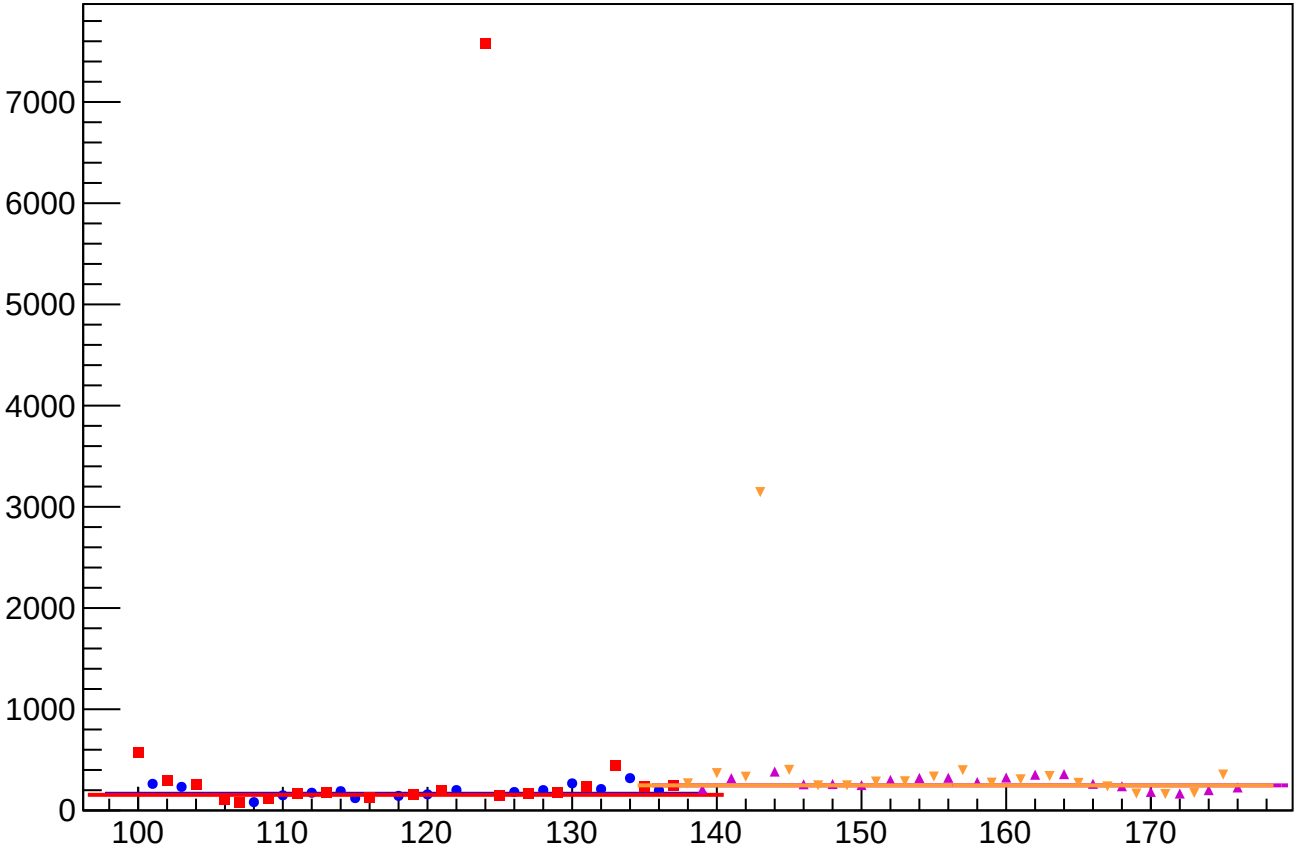
Left In: -0.071+/-0.066 χ^2/NDF:27.5/18

+ sign 0.011+/-0.047 χ^2/NDF: 28.1/35

All: 0.004+/-0.033 χ^2/NDF: 76.0/73

- sign -0.003+/-0.046 χ^2/NDF: 47.9/37

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 247.753+/-0.047 χ^2/NDF:3683857.2/19

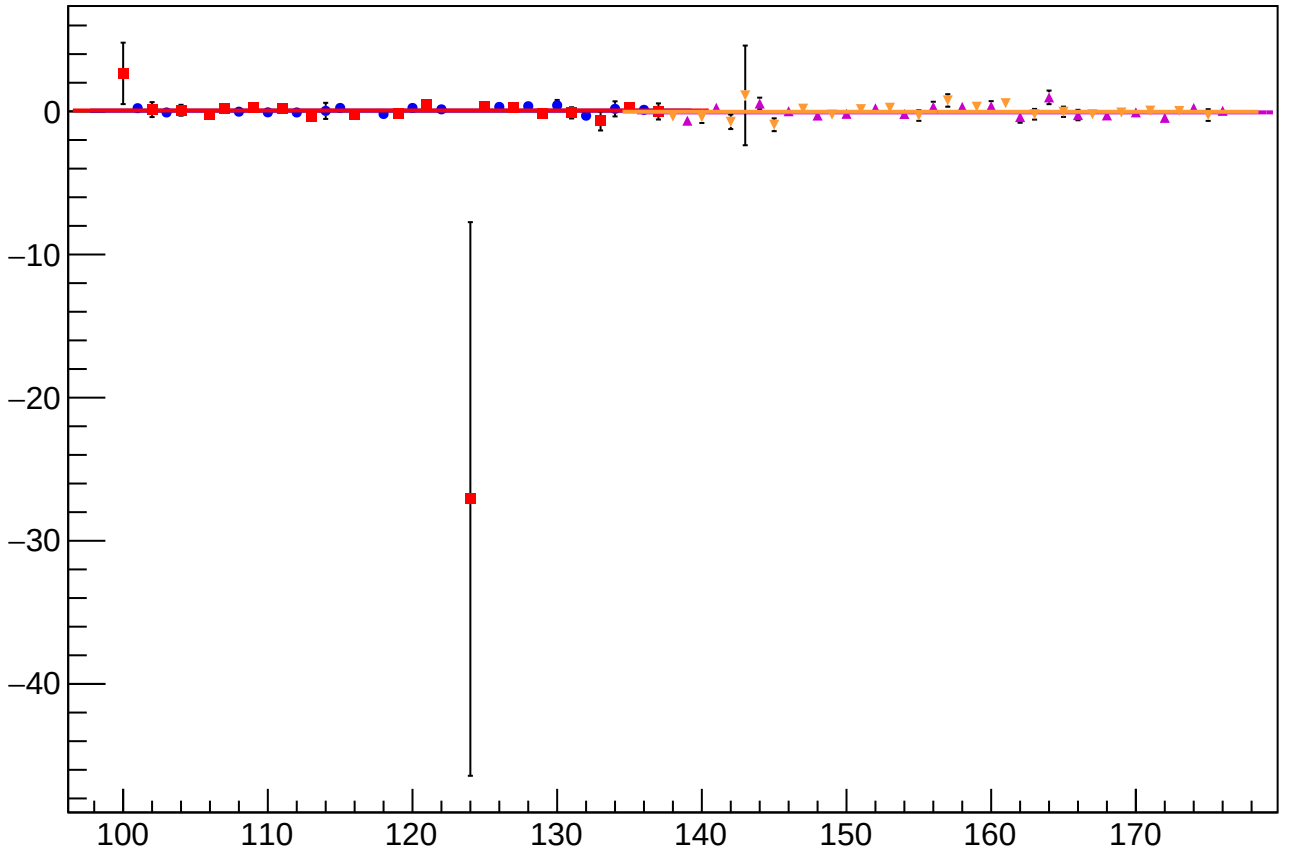
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 247.969+/-0.047 χ^2/NDF:1634922.3/18

+ sign 205.850+/-0.033 χ^2/NDF: 6699446.8/35

All: 202.894+/-0.023 χ^2/NDF: 12332734.6/73

- sign 200.079+/-0.033 χ^2/NDF: 5617984.5/37



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

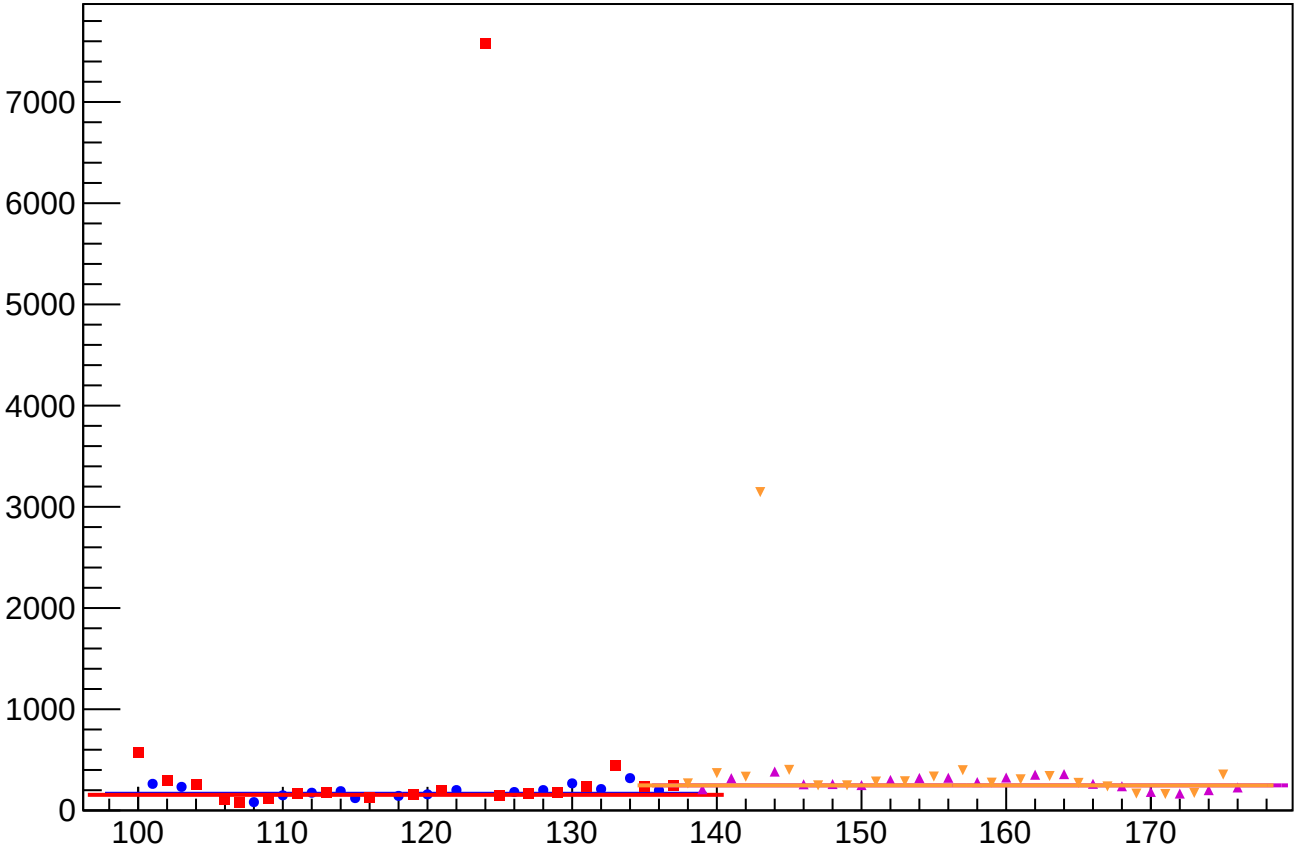
Left In: -0.071+/-0.066 χ^2/NDF:27.5/18

+ sign 0.011+/-0.047 χ^2/NDF: 28.1/35

All: 0.004+/-0.033 χ^2/NDF: 76.0/73

- sign -0.003+/-0.046 χ^2/NDF: 47.9/37

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: 247.753+/-0.047 χ^2/NDF:3683857.2/19

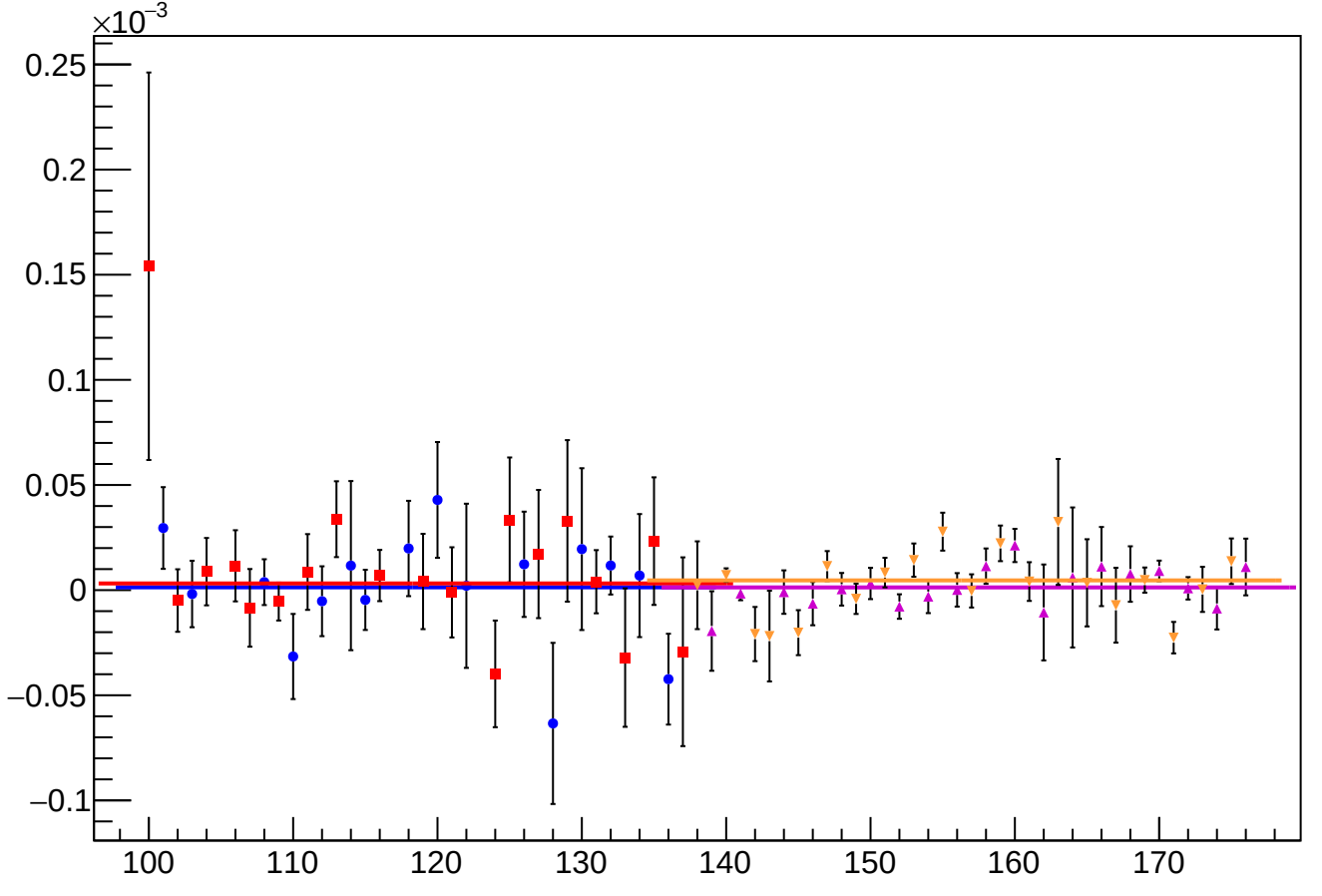
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 247.969+/-0.047 χ^2/NDF:1634922.3/18

+ sign 205.850+/-0.033 χ^2/NDF: 6699446.8/35

All: 202.894+/-0.023 χ^2/NDF: 12332734.6/73

- sign 200.079+/-0.033 χ^2/NDF: 5617984.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

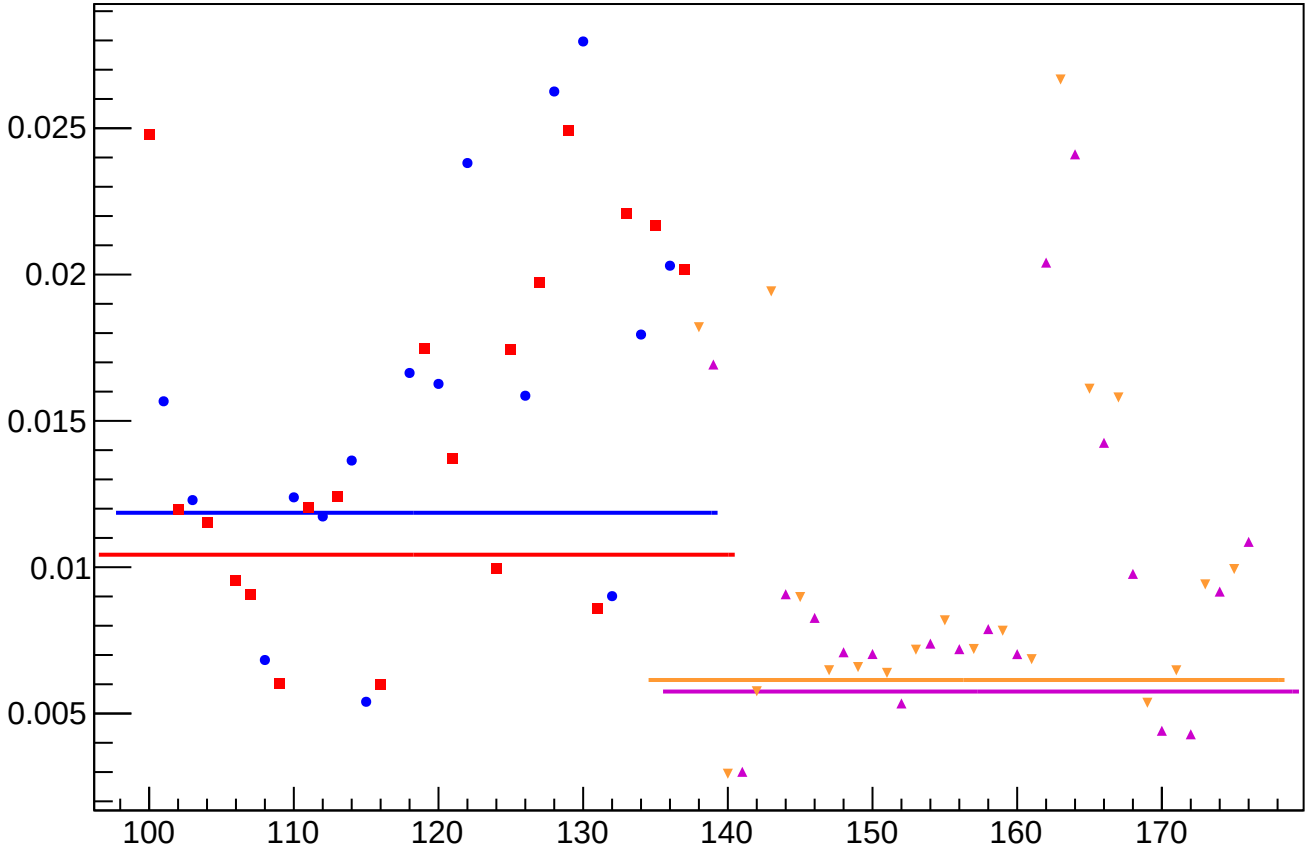
Left In: 0.000+/-0.000 χ^2/NDF:18.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 58.9/35

All: 0.000+/-0.000 χ^2/NDF: 93.2/73

- sign 0.000+/-0.000 χ^2/NDF: 32.9/37

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:6290640.2/19

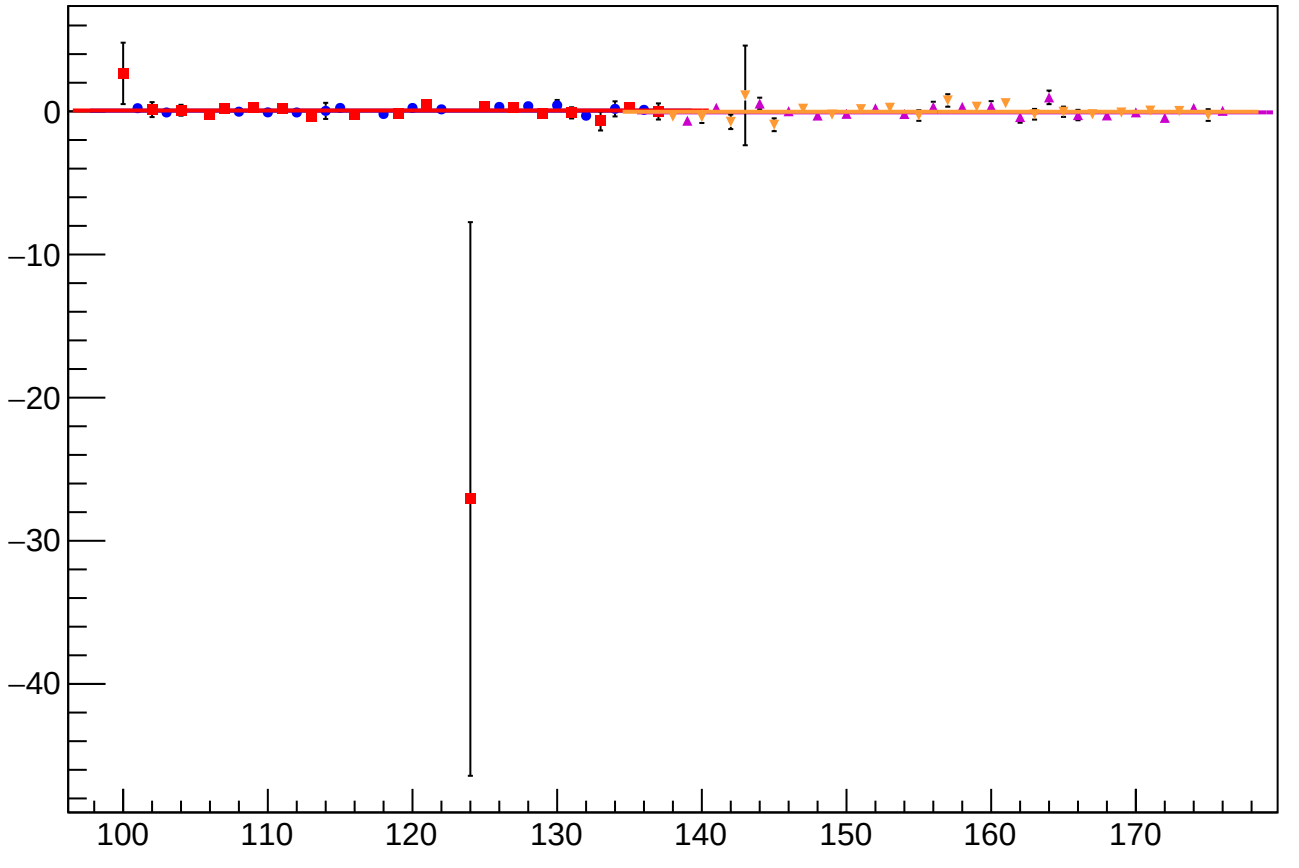
Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:5801969.2/18

+ sign 0.007+/-0.000 χ^2/NDF: 11122702.0/35

All: 0.007+/-0.000 χ^2/NDF: 21447480.5/73

- sign 0.006+/-0.000 χ^2/NDF: 10256394.8/37



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

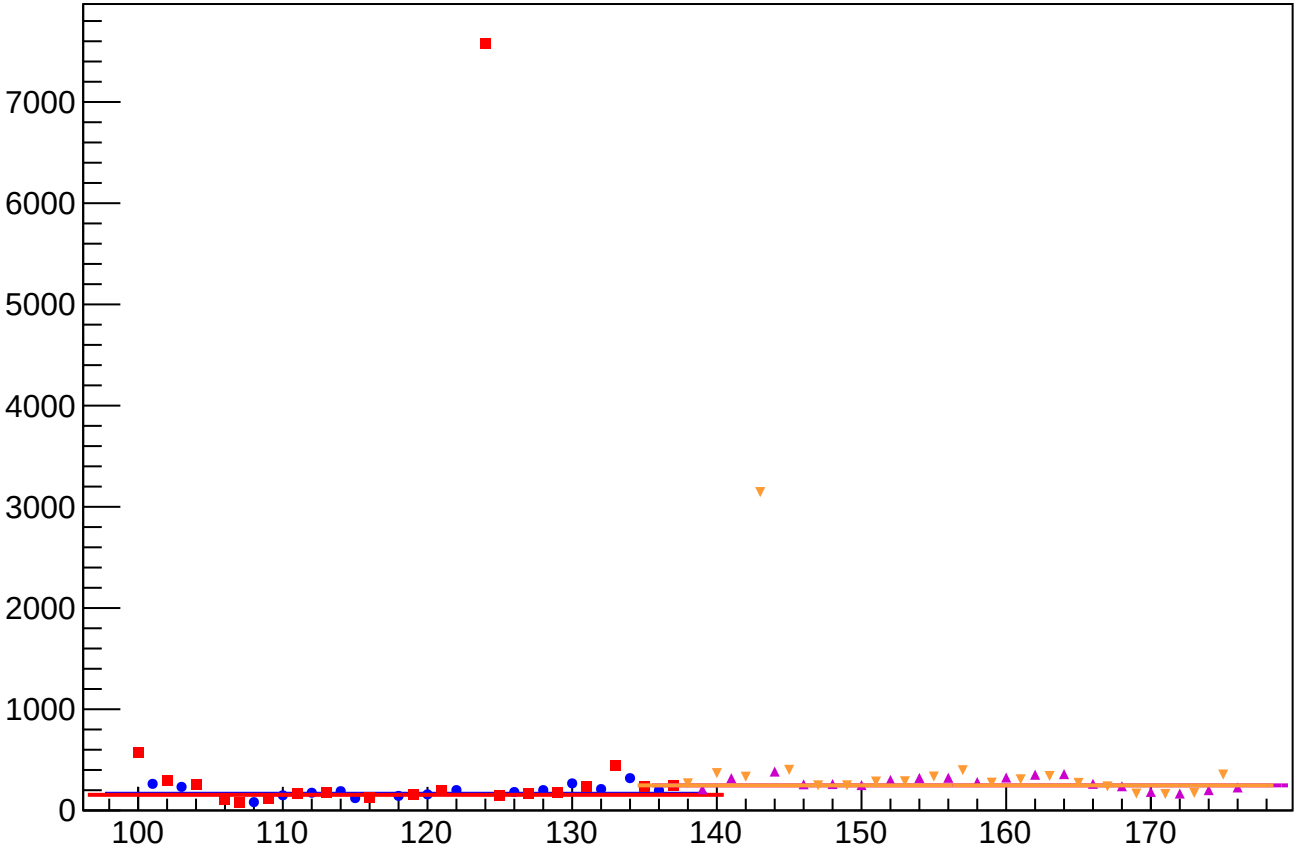
Left In: -0.071+/-0.066 χ^2/NDF:27.5/18

+ sign 0.011+/-0.047 χ^2/NDF: 28.1/35

All: 0.004+/-0.033 χ^2/NDF: 76.0/73

- sign -0.003+/-0.046 χ^2/NDF: 47.9/37

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: 247.754+/-0.047 χ^2/NDF:3683975.1/19

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

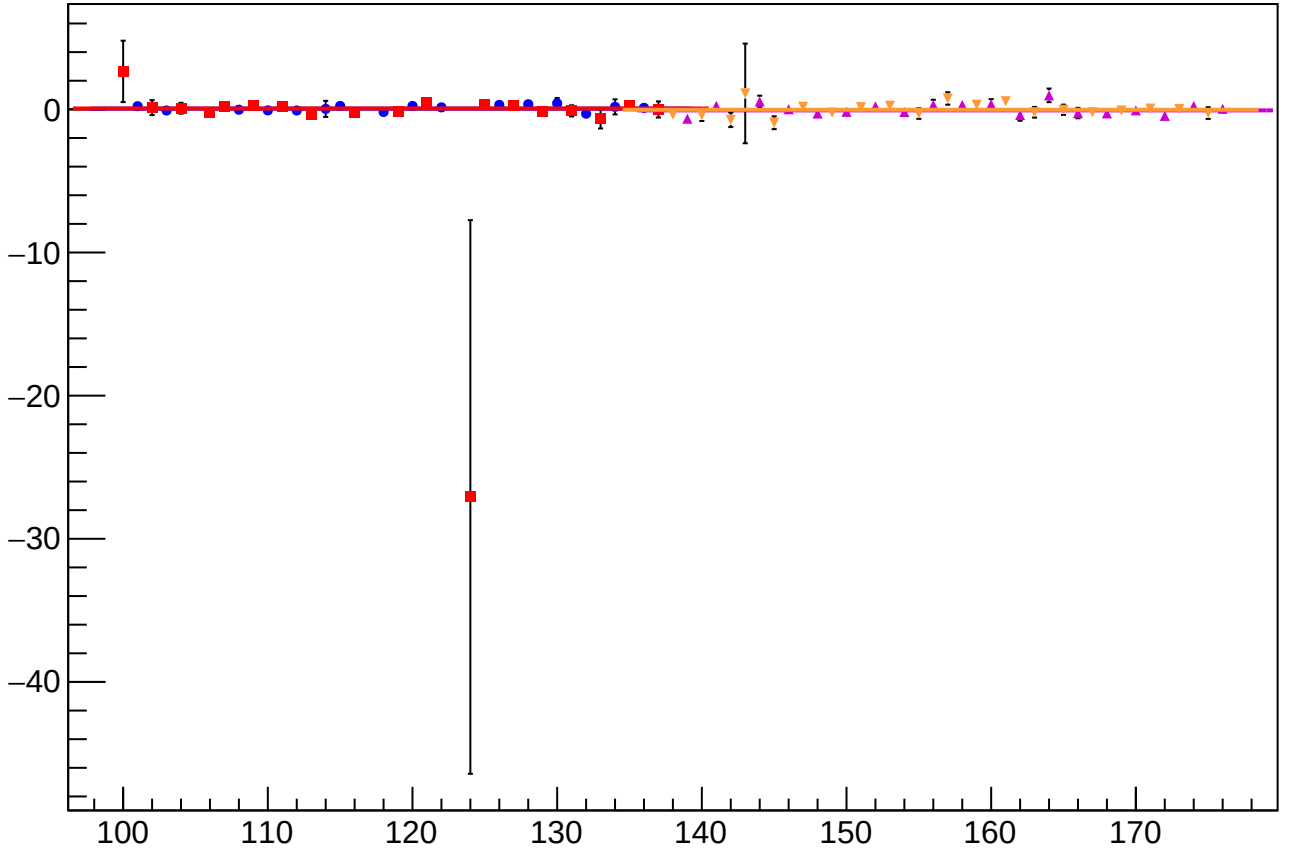
Left In: 247.971+/-0.047 χ^2/NDF:1634969.9/18

+ sign 205.850+/-0.033 χ^2/NDF: 6699584.2/35

All: 202.894+/-0.023 χ^2/NDF: 12333038.3/73

- sign 200.080+/-0.033 χ^2/NDF: 5618153.0/37

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.067 χ^2/NDF:19.8/19

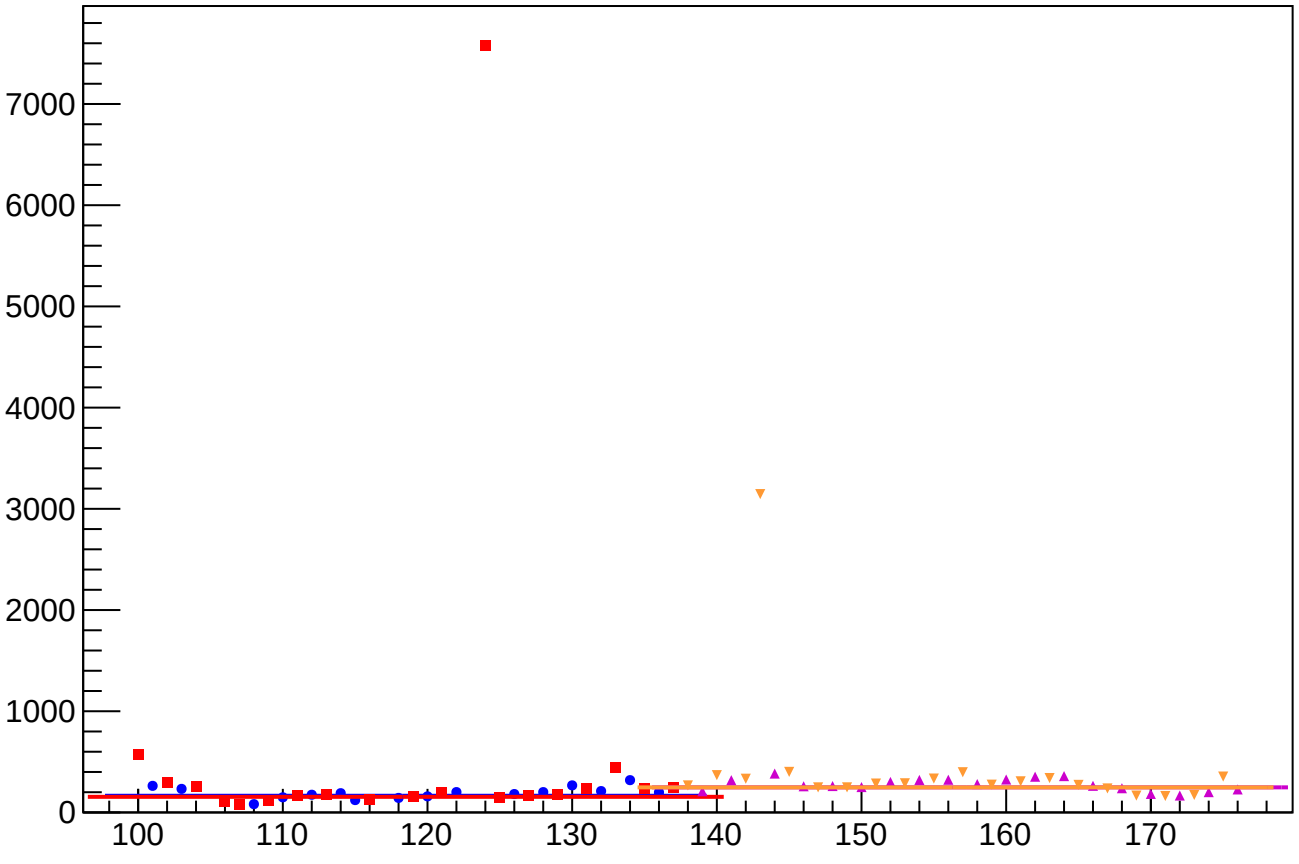
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.071+/-0.066 χ^2/NDF:27.5/18

+ sign 0.011+/-0.047 χ^2/NDF: 28.1/35

All: 0.004+/-0.033 χ^2/NDF: 76.0/73

- sign -0.003+/-0.046 χ^2/NDF: 47.9/37



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 247.754+/-0.047 χ^2/NDF:3683975.1/19

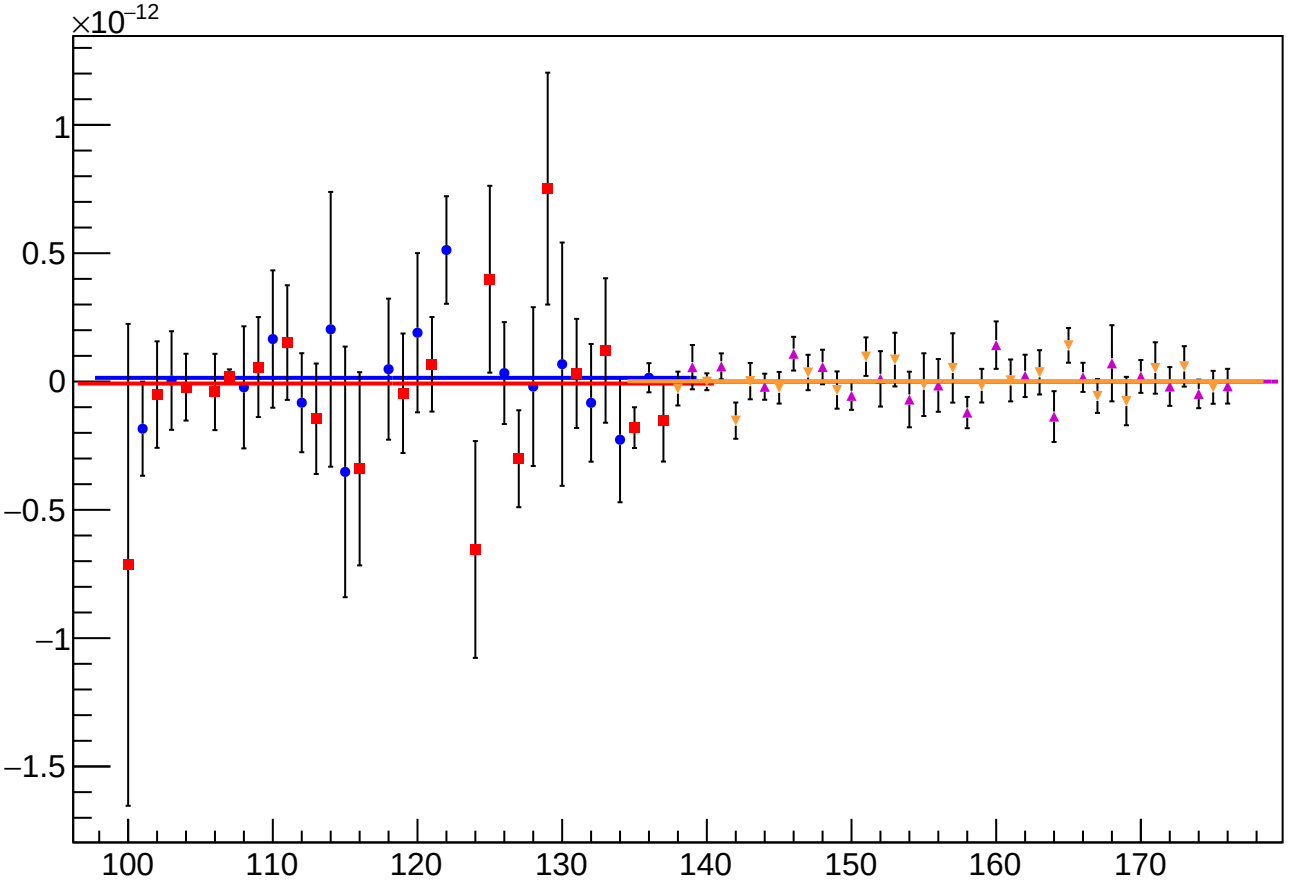
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 247.971+/-0.047 χ^2/NDF:1634969.9/18

+ sign 205.850+/-0.033 χ^2/NDF: 6699584.2/35

All: 202.894+/-0.023 χ^2/NDF: 12333038.3/73

- sign 200.080+/-0.033 χ^2/NDF: 5618153.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/19

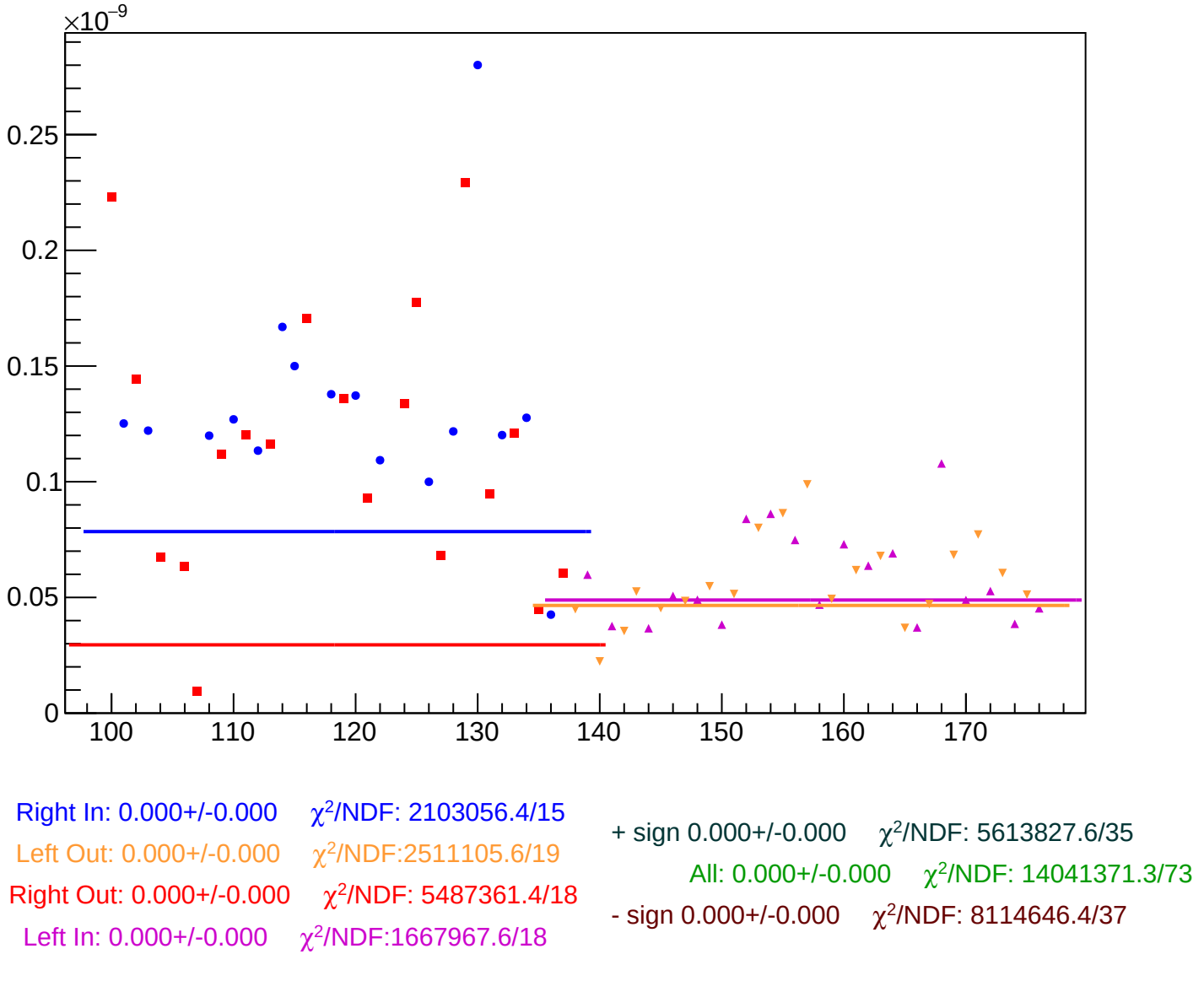
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/18

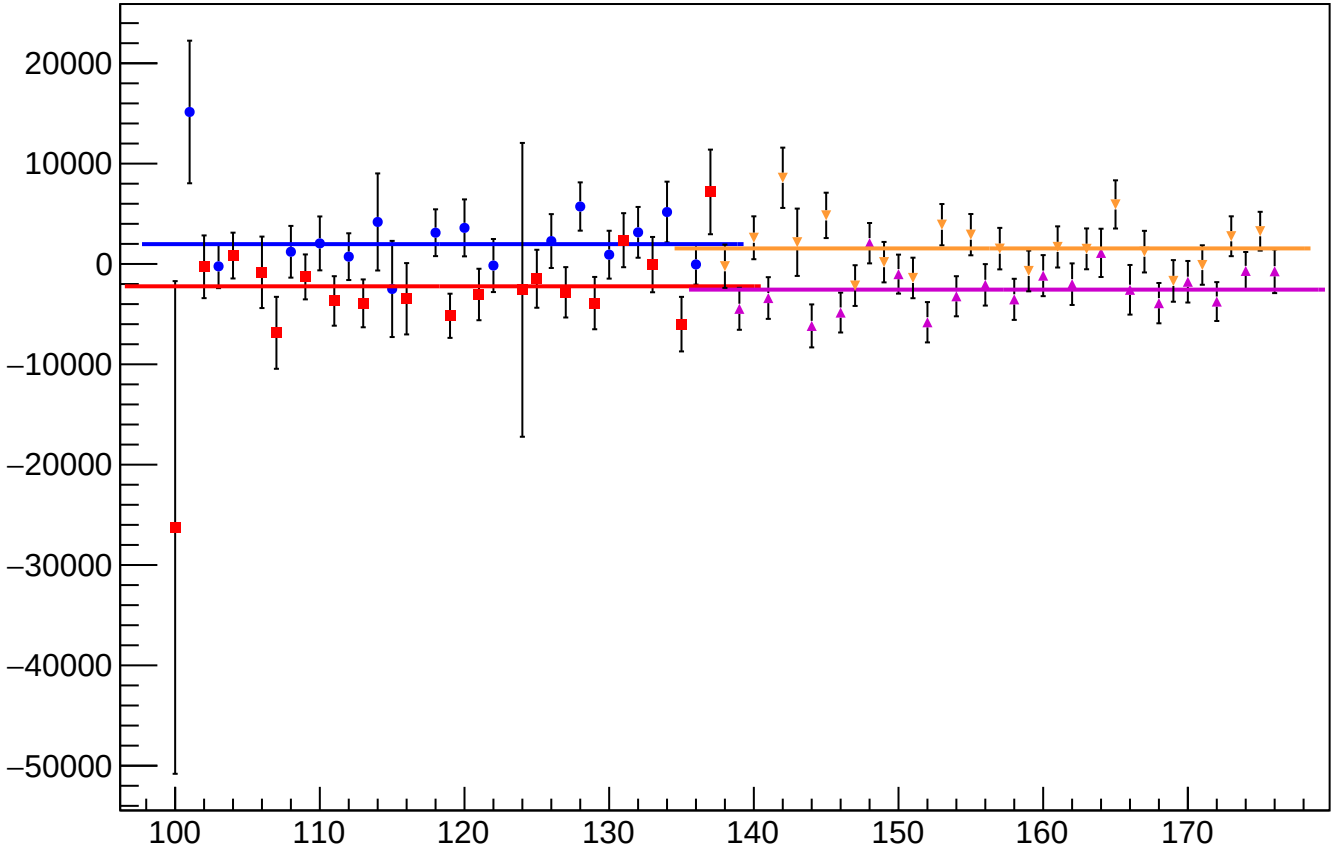
+ sign 0.000+/-0.000 χ^2/NDF: 24.6/35

All: -0.000+/-0.000 χ^2/NDF: 59.5/73

- sign -0.000+/-0.000 χ^2/NDF: 34.9/37


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2103056.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2511105.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 5487361.4/18
Left In: 0.000+/-0.000 χ²/NDF:1667967.6/18
+ sign 0.000+/-0.000 χ²/NDF: 5613827.6/35
All: 0.000+/-0.000 χ²/NDF: 14041371.3/73
- sign 0.000+/-0.000 χ²/NDF: 8114646.4/37

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1549.103+/-476.248 χ^2/NDF:25.1/19

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

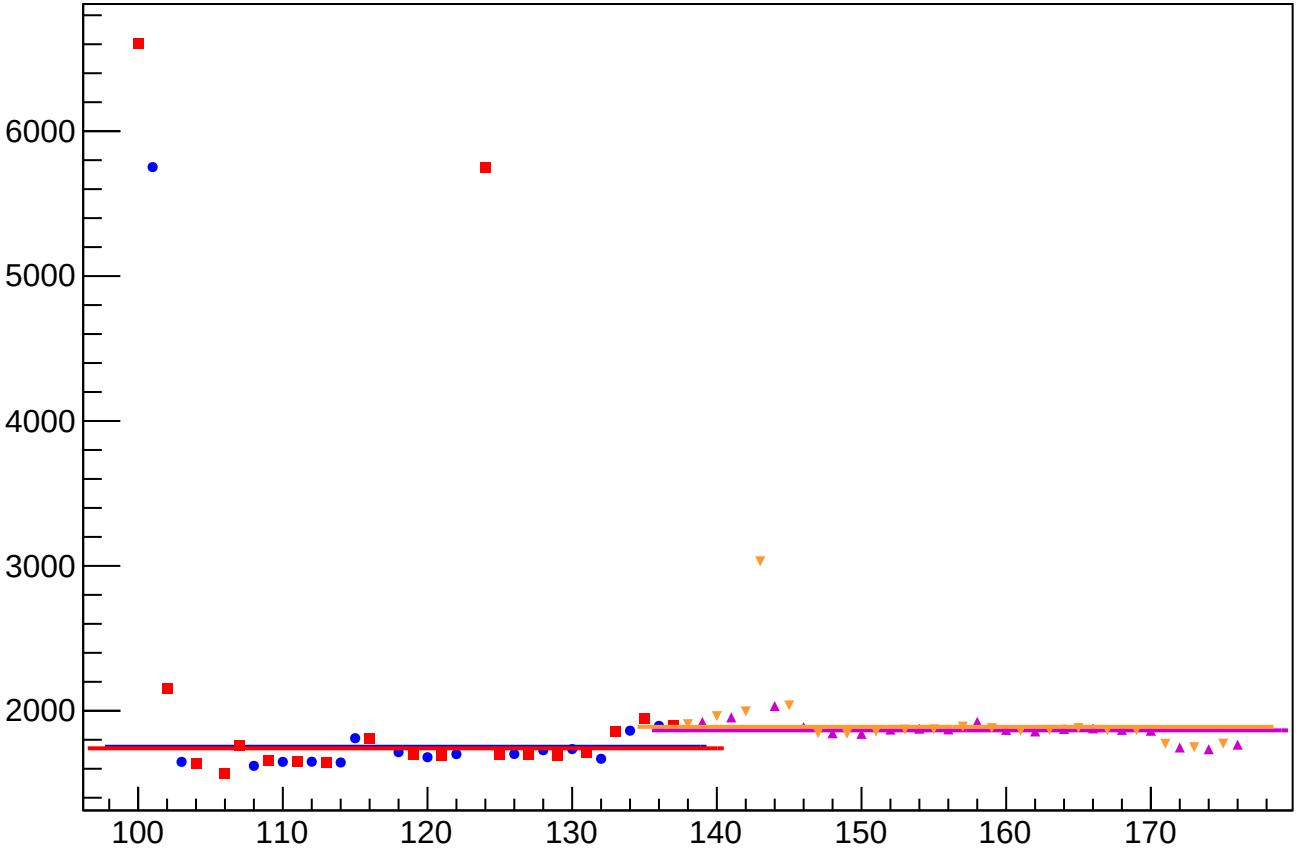
Left In: -2557.309+/-473.400 χ^2/NDF:19.6/18

+ sign 1693.150+/-387.727 χ^2/NDF: 37.5/35

All: -395.732+/-272.815 χ^2/NDF: 133.8/73

- sign -2443.979+/-383.938 χ^2/NDF: 38.7/37

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1889.280+/-0.337 χ^2/NDF:273693.4/19

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

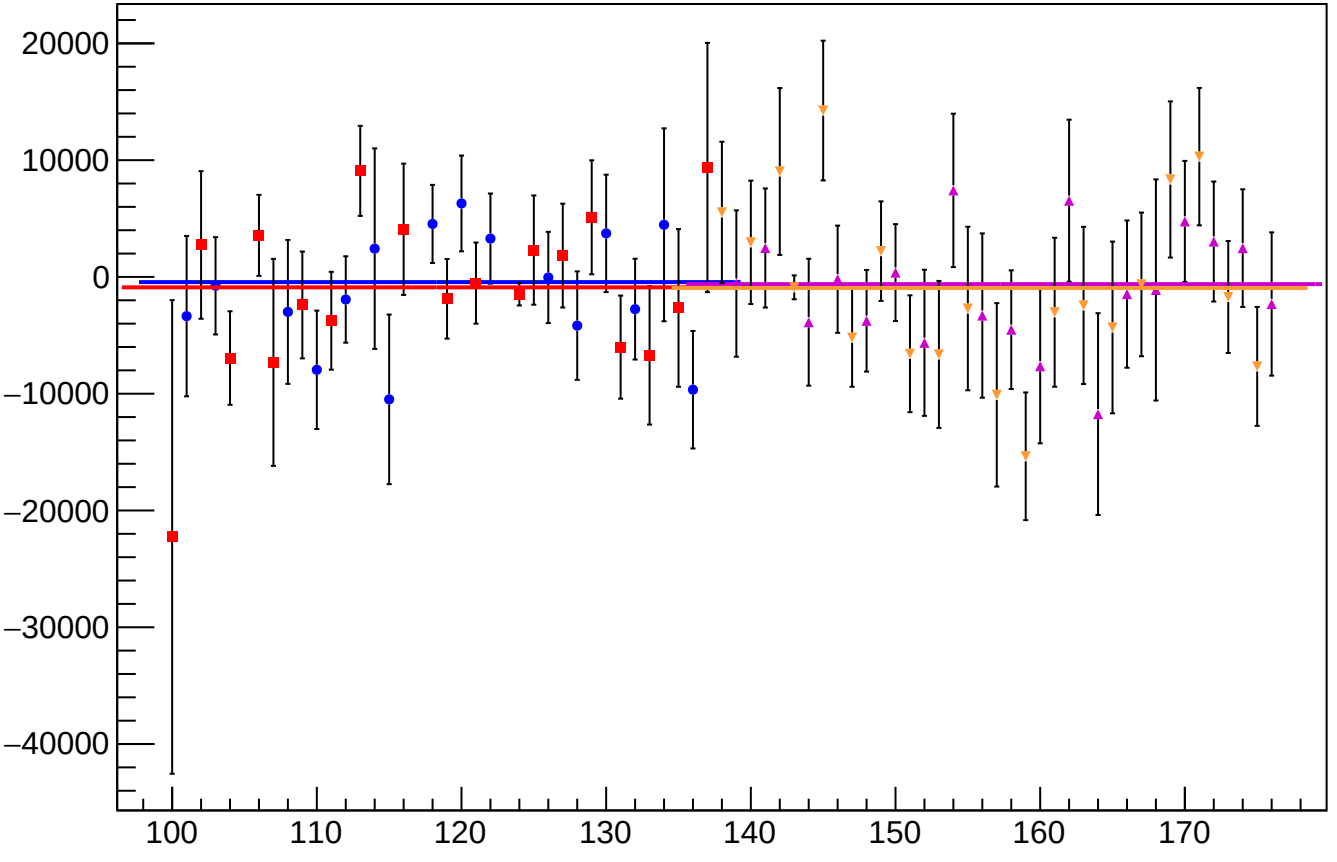
Left In: 1864.880+/-0.335 χ^2/NDF:41255.6/18

+ sign 1842.858+/-0.274 χ^2/NDF: 1000701.3/35

All: 1832.345+/-0.193 χ^2/NDF: 1396805.3/73

- sign 1822.089+/-0.271 χ^2/NDF: 393199.2/37

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -951.158+/-806.074 χ^2/NDF:29.8/19

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

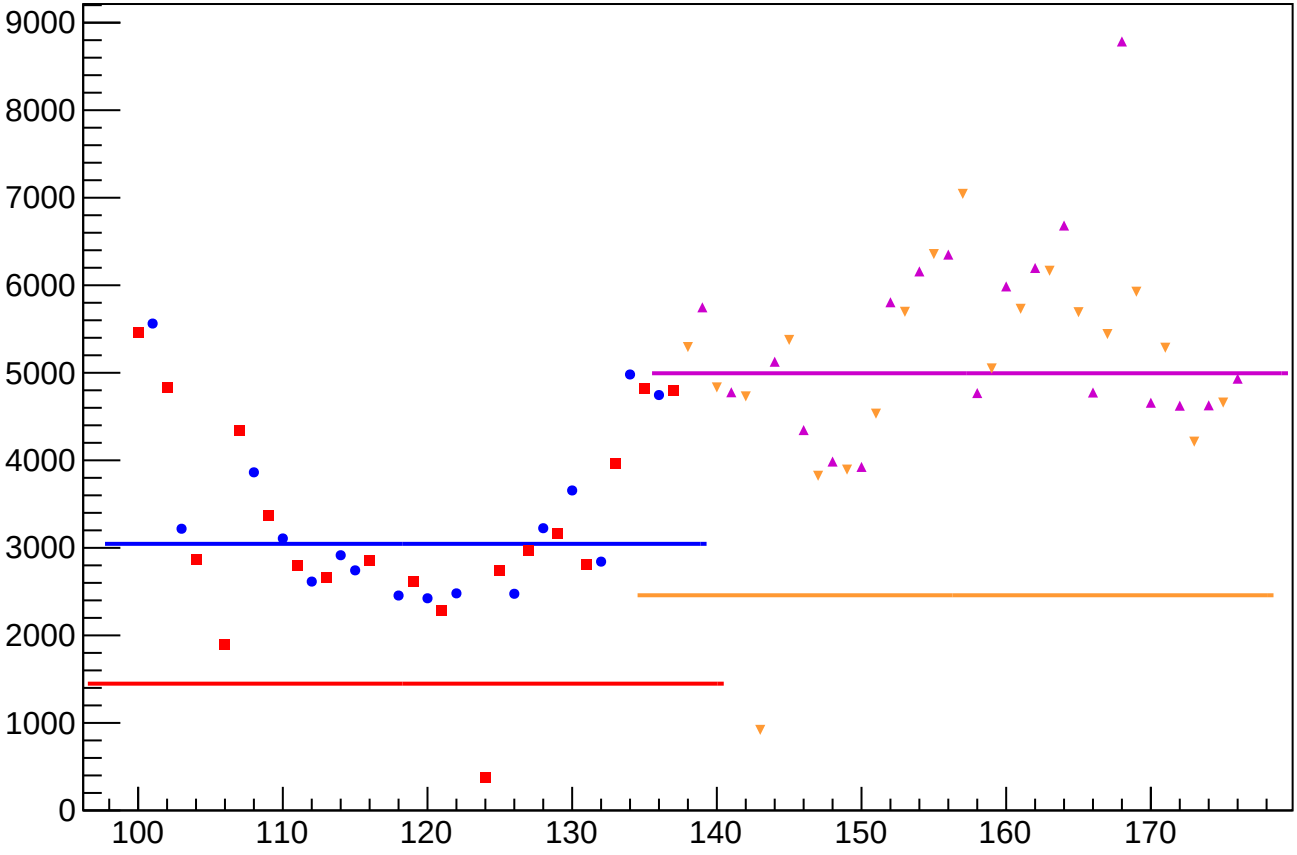
Left In: -617.539+/-1292.788 χ^2/NDF:10.1/18

+ sign -788.843+/-664.598 χ^2/NDF: 45.9/35

All: -808.547+/-458.301 χ^2/NDF: 76.1/73

- sign -826.413+/-632.839 χ^2/NDF: 30.2/37

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2458.347+/-0.570 χ^2/NDF:12741237.5/19

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

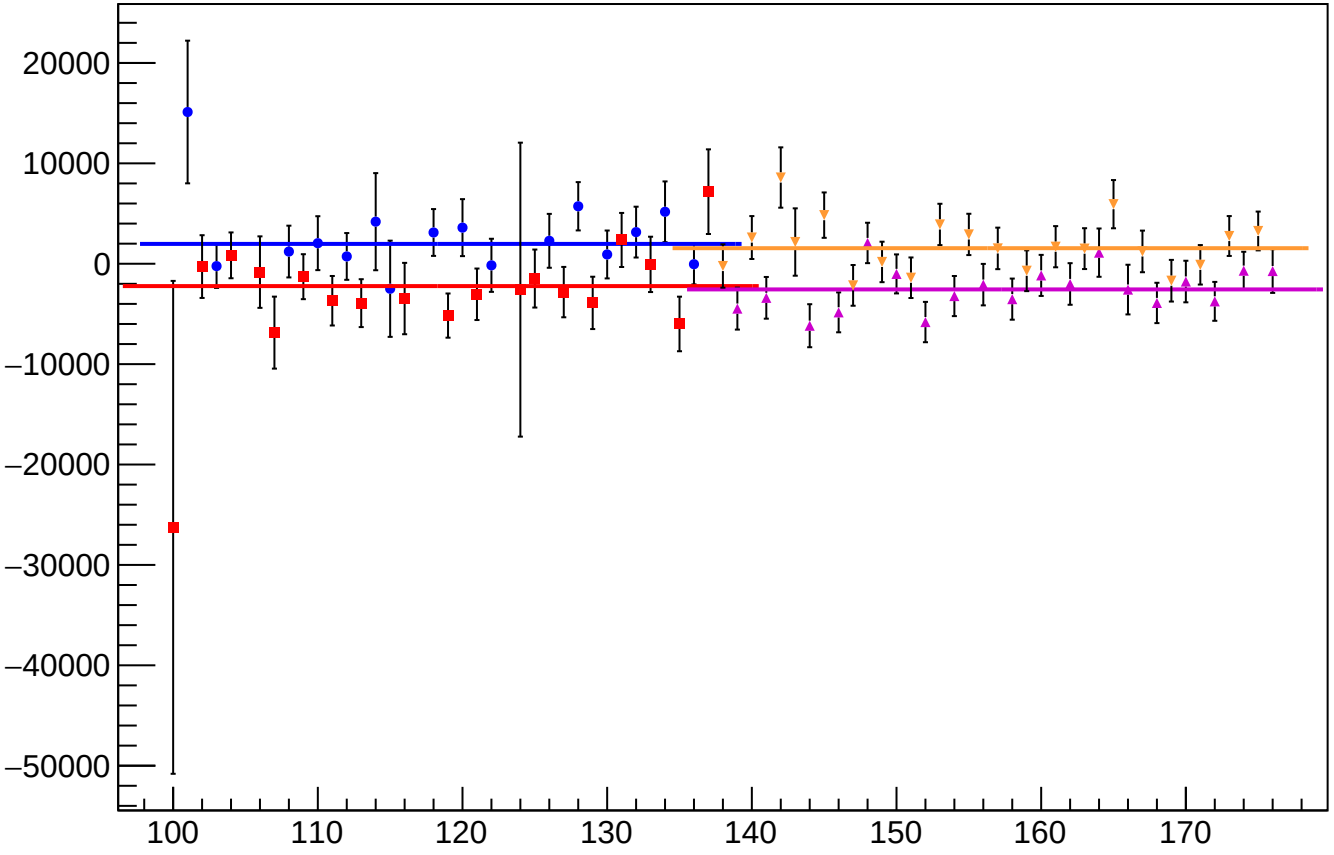
Left In: 4994.662+/-0.914 χ^2/NDF:1022872.2/18

+ sign 2646.499+/-0.470 χ^2/NDF: 13988913.8/35

All: 2463.862+/-0.324 χ^2/NDF: 33529065.4/7

- sign 2298.263+/-0.447 χ^2/NDF: 19252162.9/37

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1549.108+/-476.248 χ^2/NDF:25.1/19

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

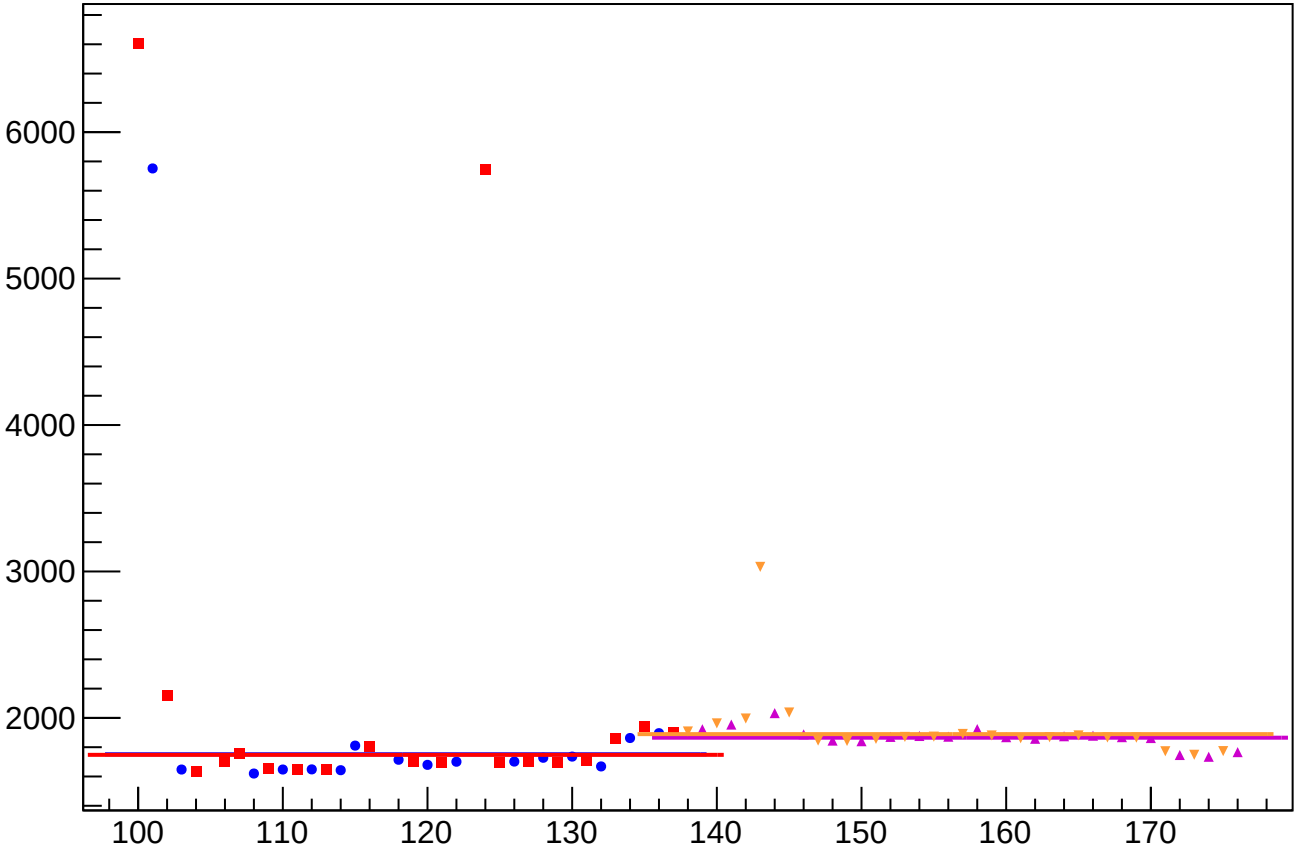
Left In: -2557.364+/-473.400 χ^2/NDF:19.6/18

+ sign 1693.034+/-387.727 χ^2/NDF: 37.5/35

All: -395.824+/-272.815 χ^2/NDF: 133.7/73

- sign -2444.048+/-383.938 χ^2/NDF: 38.7/37

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1889.280+/-0.337 χ^2/NDF:273693.4/19

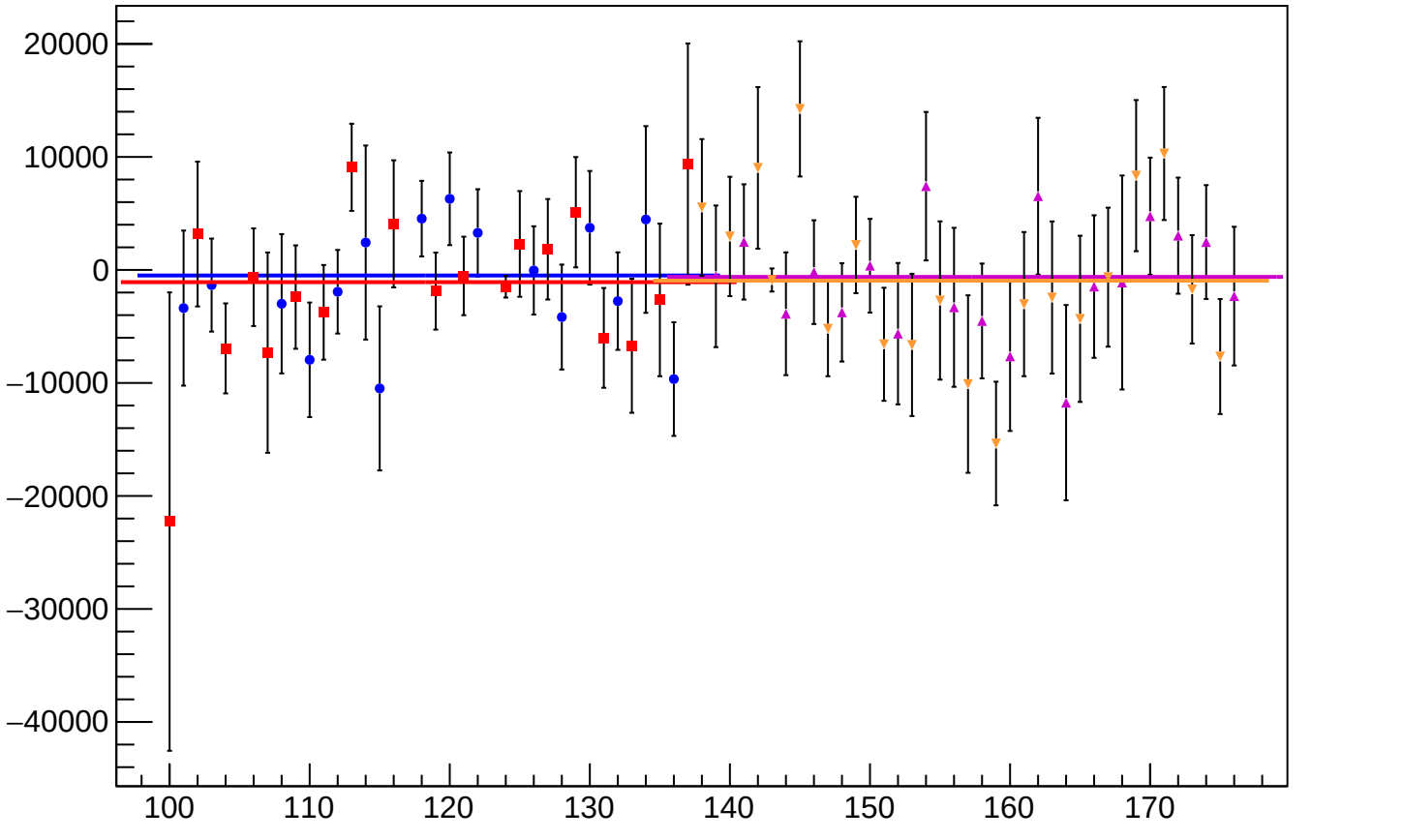
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1864.881+/-0.335 χ^2/NDF:41255.6/18

+ sign 1842.858+/-0.274 χ^2/NDF: 1000701.8/35

All: 1833.631+/-0.193 χ^2/NDF: 1384199.4/73

- sign 1824.608+/-0.271 χ^2/NDF: 381257.5/37



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -951.004+/-806.054 χ^2/NDF:29.8/19

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

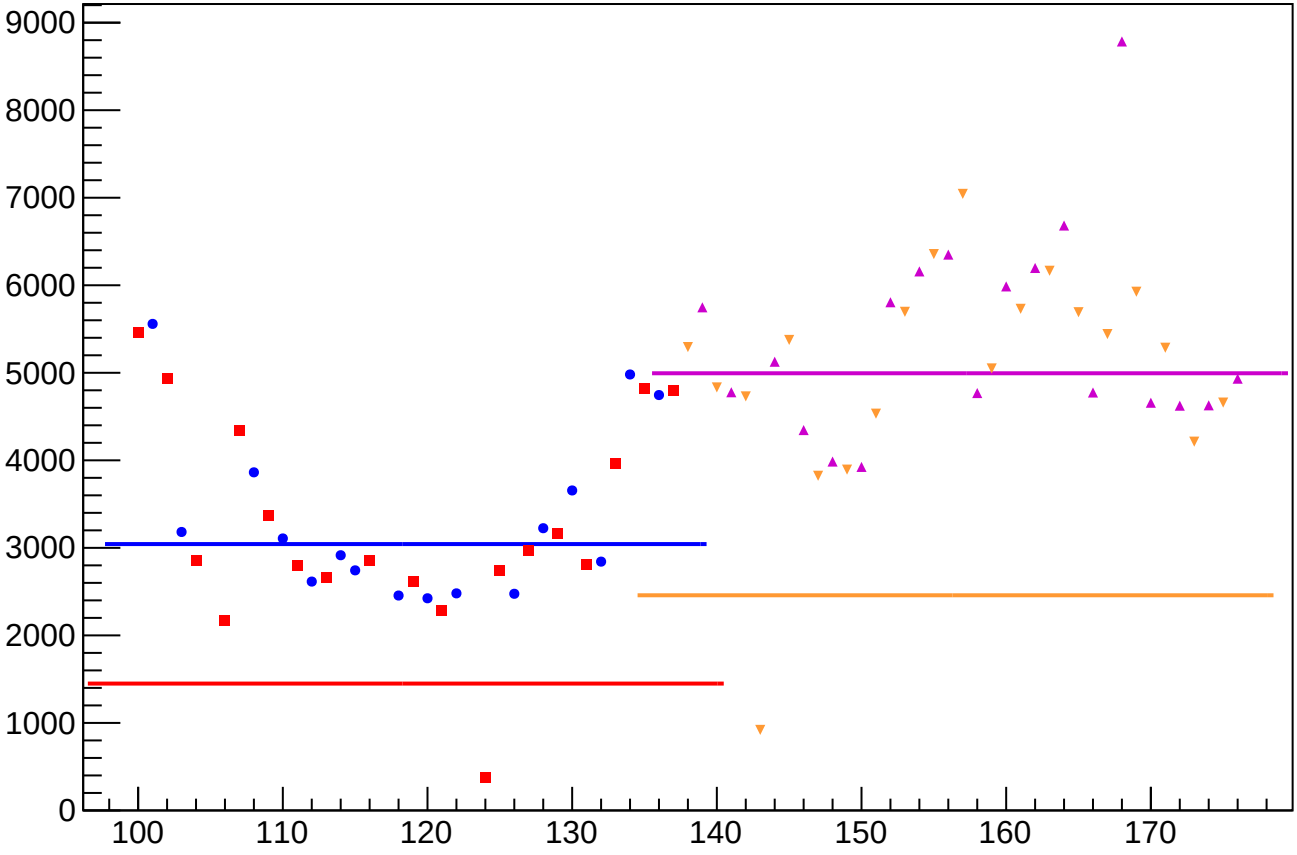
Left In: -617.641+/-1292.788 χ^2/NDF:10.1/18

\+ sign -804.114+/-664.367 χ^2/NDF: 45.9/35

All: -889.852+/-459.655 χ^2/NDF: 74.6/73

\- sign -968.579+/-636.622 χ^2/NDF: 28.7/37

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2458.245+/-0.570 χ^2/NDF:12741830.7/19

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

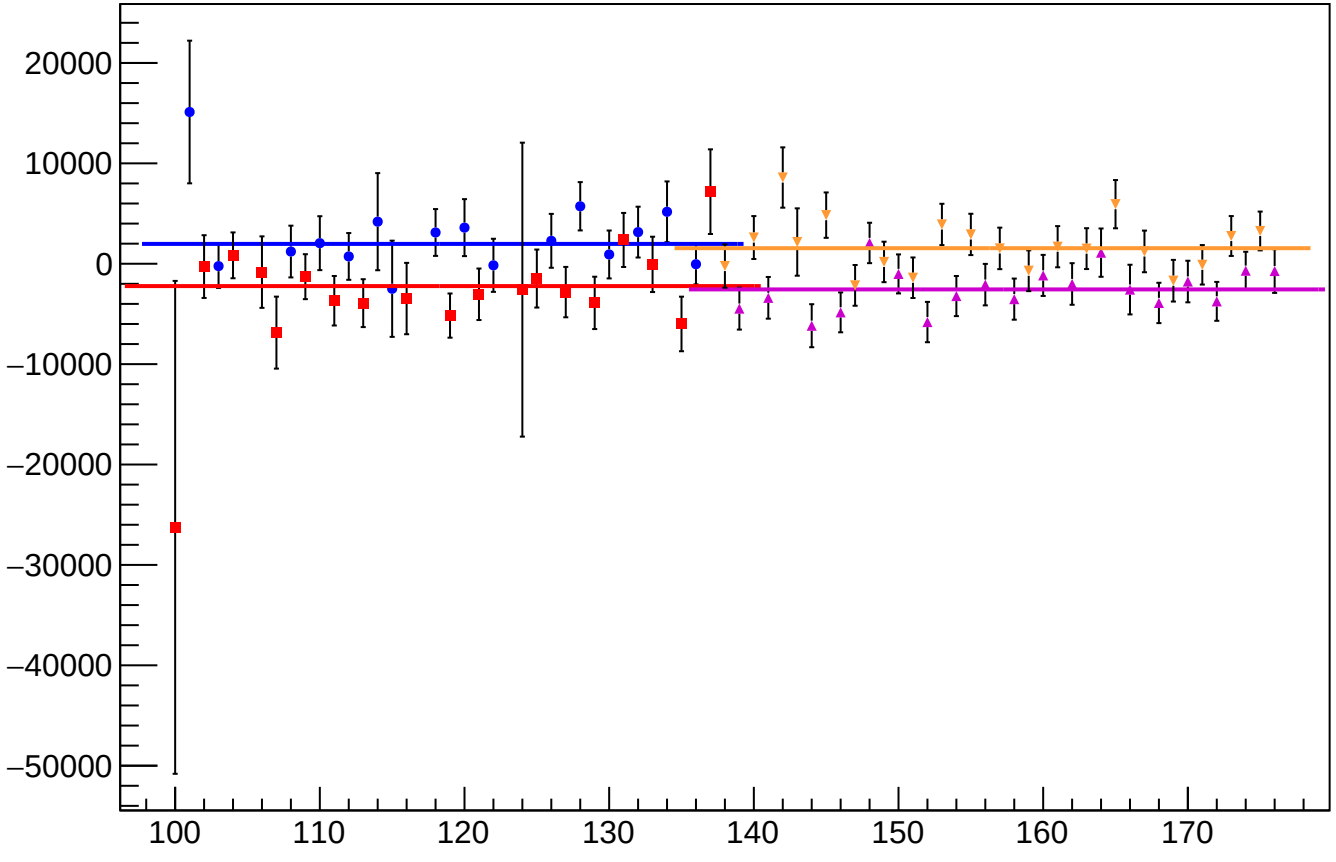
Left In: 4994.662+/-0.914 χ^2/NDF:1022870.6/18

+ sign 2645.838+/-0.470 χ^2/NDF: 13985317.3/35

All: 2470.347+/-0.325 χ^2/NDF: 33494312.3/7

- sign 2309.207+/-0.450 χ^2/NDF: 19241309.1/37

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1549.108+/-476.248 χ^2/NDF:25.1/19

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

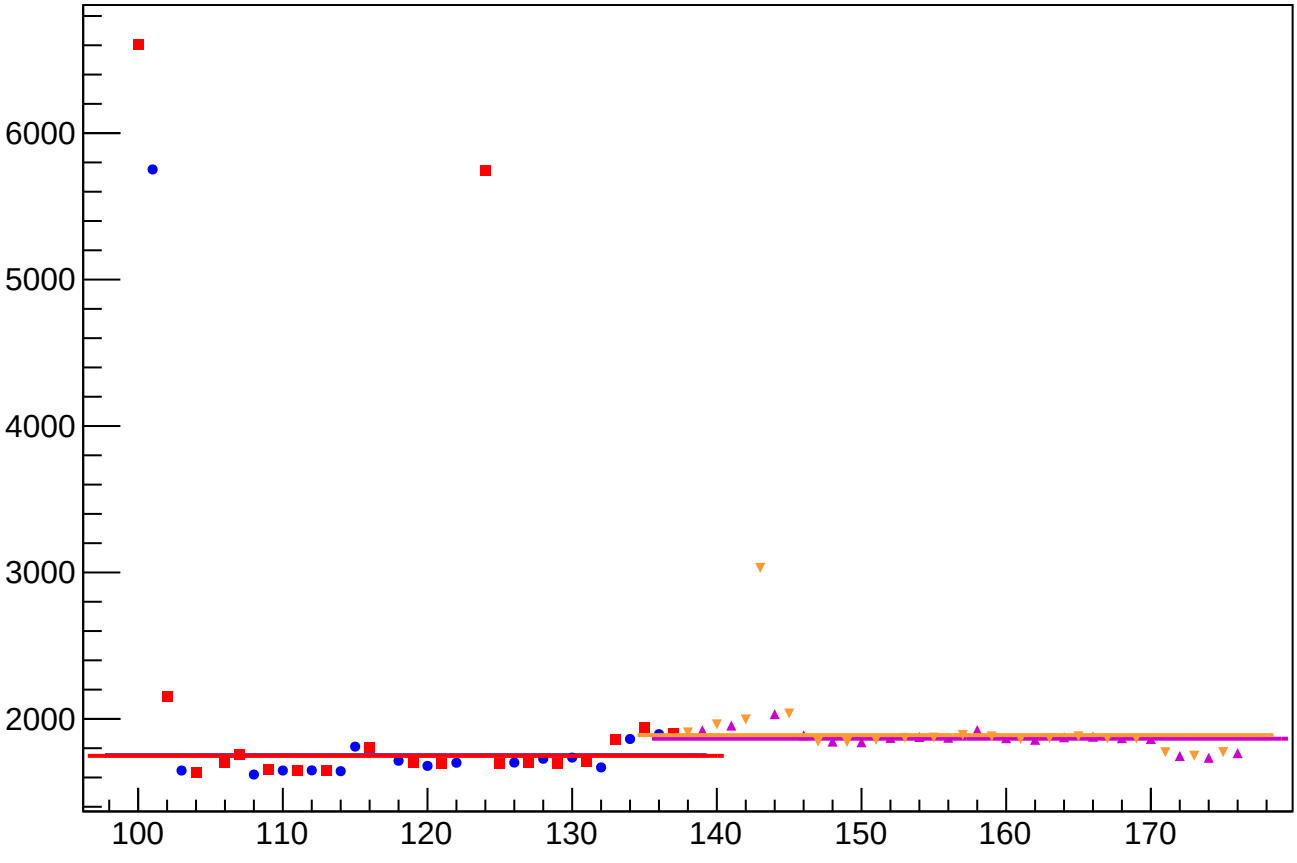
Left In: -2557.364+/-473.400 χ^2/NDF:19.6/18

+ sign 1693.034+/-387.727 χ^2/NDF: 37.5/35

All: -395.824+/-272.815 χ^2/NDF: 133.7/73

- sign -2444.048+/-383.938 χ^2/NDF: 38.7/37

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1889.280+/-0.337 χ^2/NDF:273693.4/19

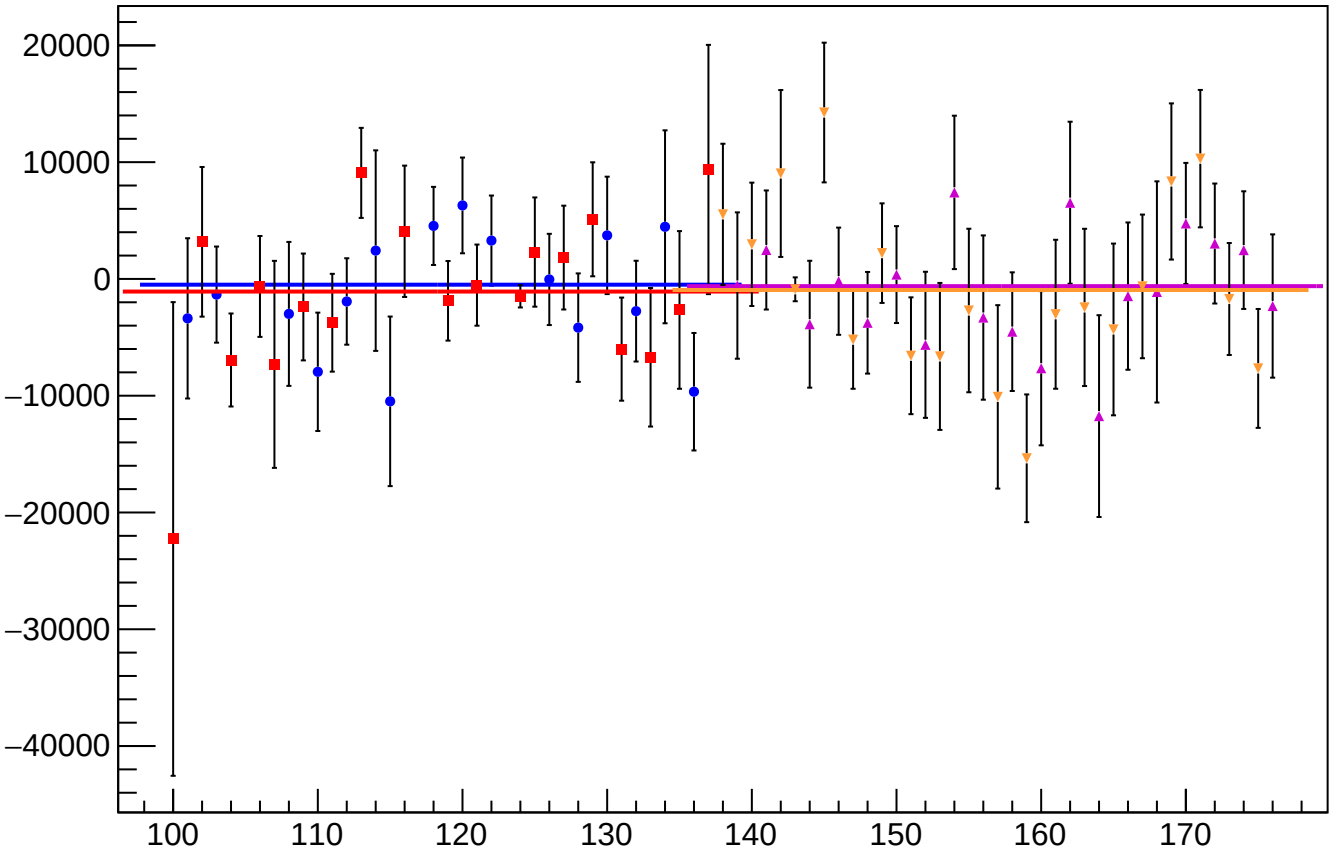
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1864.881+/-0.335 χ^2/NDF:41255.6/18

+ sign 1842.858+/-0.274 χ^2/NDF: 1000701.8/35

All: 1833.631+/-0.193 χ^2/NDF: 1384199.4/73

- sign 1824.608+/-0.271 χ^2/NDF: 381257.5/37



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -951.004+/-806.054 χ^2/NDF:29.8/19

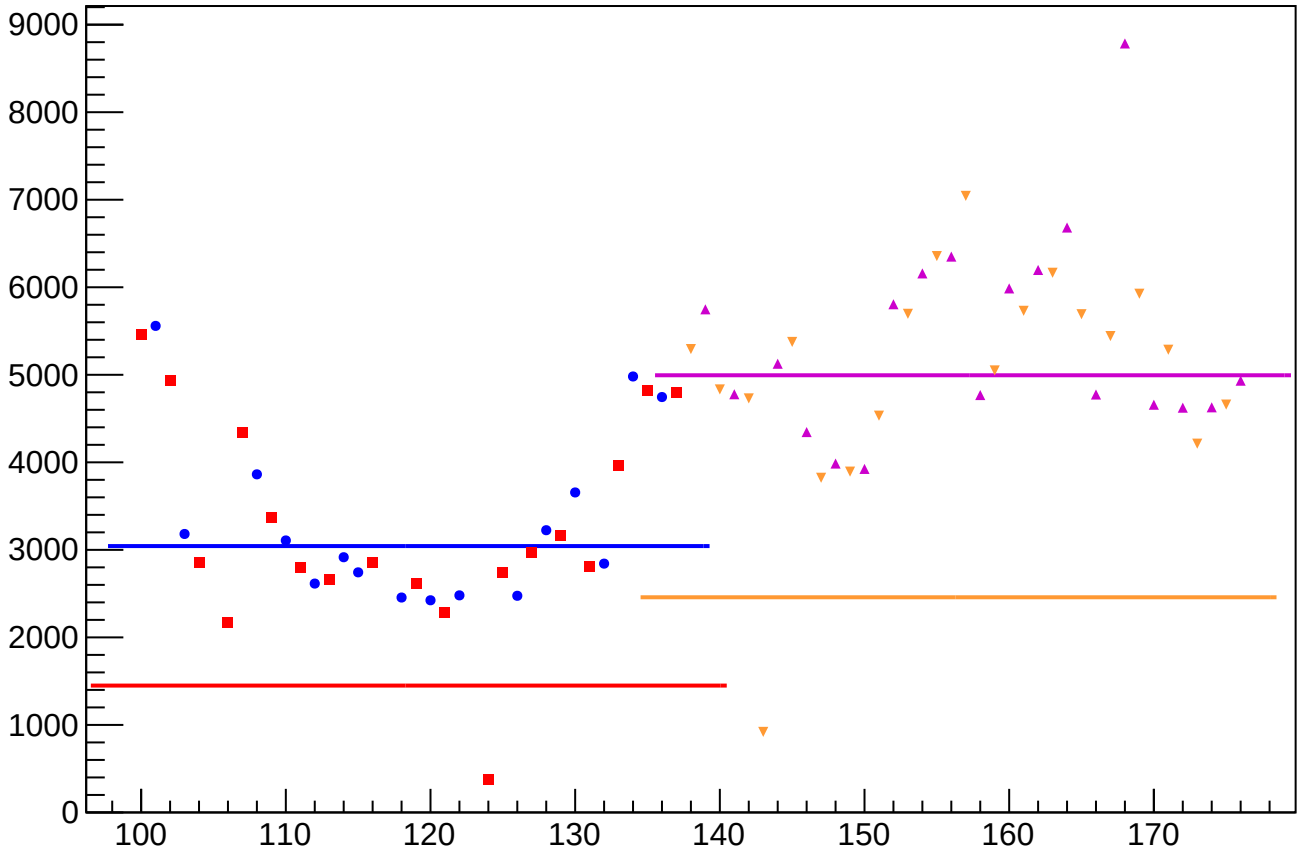
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -617.641+/-1292.788 χ^2/NDF:10.1/18

+ sign -804.114+/-664.367 χ^2/NDF: 45.9/35

All: -889.852+/-459.655 χ^2/NDF: 74.6/73

- sign -968.579+/-636.622 χ^2/NDF: 28.7/37



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2458.245+/-0.570 χ^2/NDF:12741830.7/19

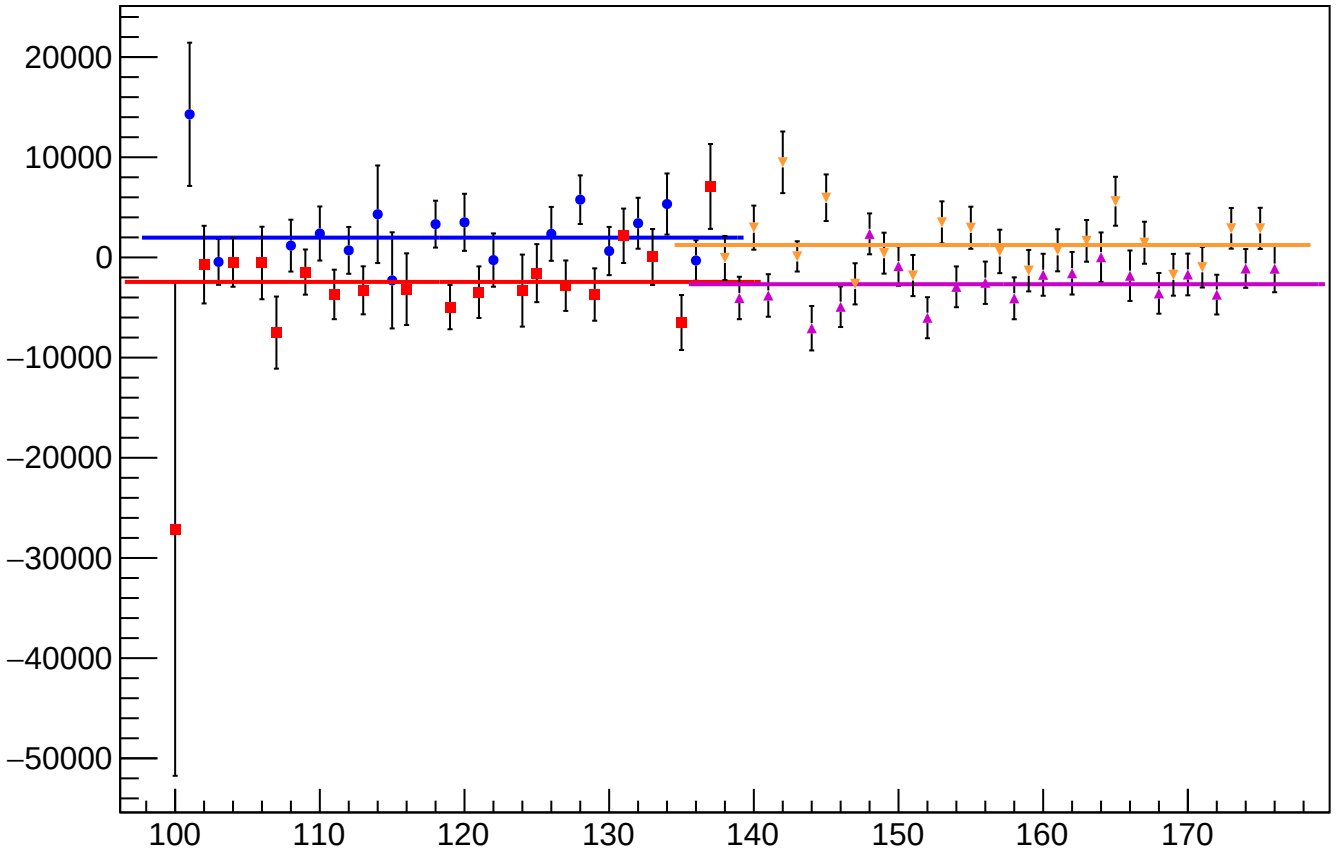
Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4994.662+/-0.914 χ^2/NDF:1022870.6/18

+ sign 2645.838+/-0.470 χ^2/NDF: 13985317.3/35

All: 2470.347+/-0.325 χ^2/NDF: 33494312.3/7

- sign 2309.207+/-0.450 χ^2/NDF: 19241309.1/37



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1241.281+/-468.245 χ^2/NDF:30.1/19

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

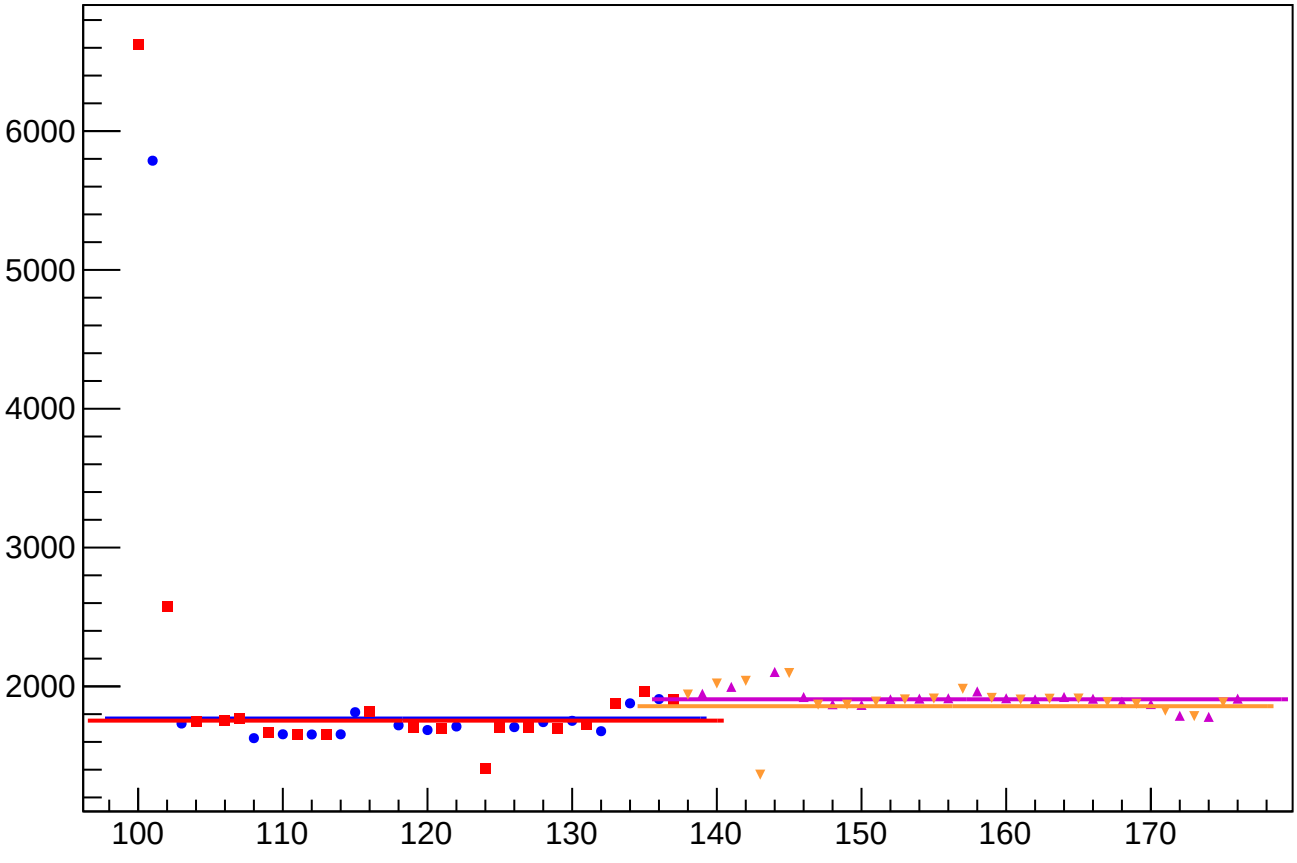
Left In: -2672.714+/-484.108 χ^2/NDF:19.5/18

+ sign 1480.348+/-384.568 χ^2/NDF: 43.3/35

All: -528.120+/-273.788 χ^2/NDF: 135.6/73

- sign -2592.411+/-389.875 χ^2/NDF: 37.0/37

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1857.273+/-0.331 χ^2/NDF:274008.9/19

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

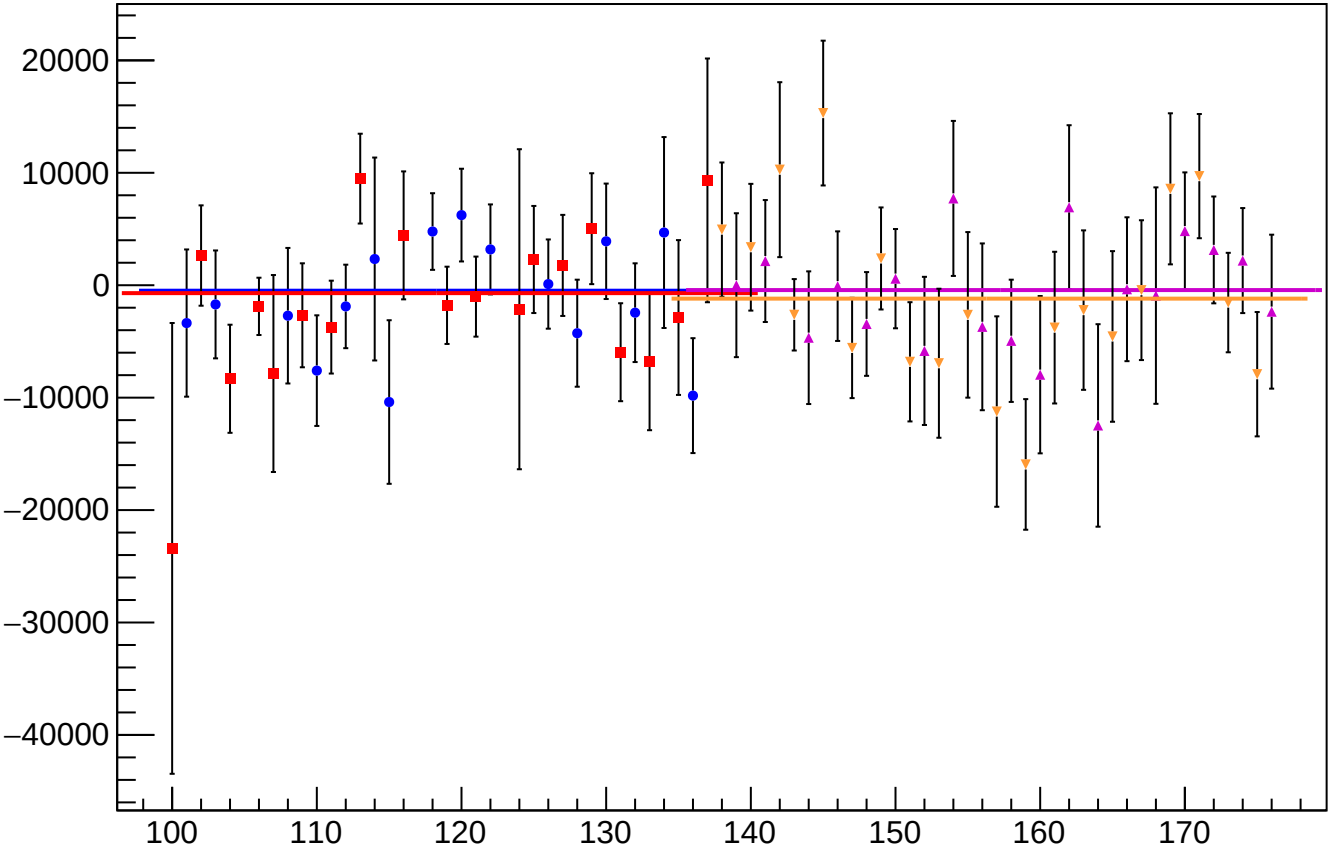
Left In: 1907.056+/-0.342 χ^2/NDF:39644.7/18

+ sign 1828.373+/-0.272 χ^2/NDF: 964783.6/35

All: 1840.464+/-0.194 χ^2/NDF: 1298363.4/73

- sign 1852.867+/-0.275 χ^2/NDF: 329574.9/37

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1192.672+/-1247.848 χ^2/NDF:29.9/19

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

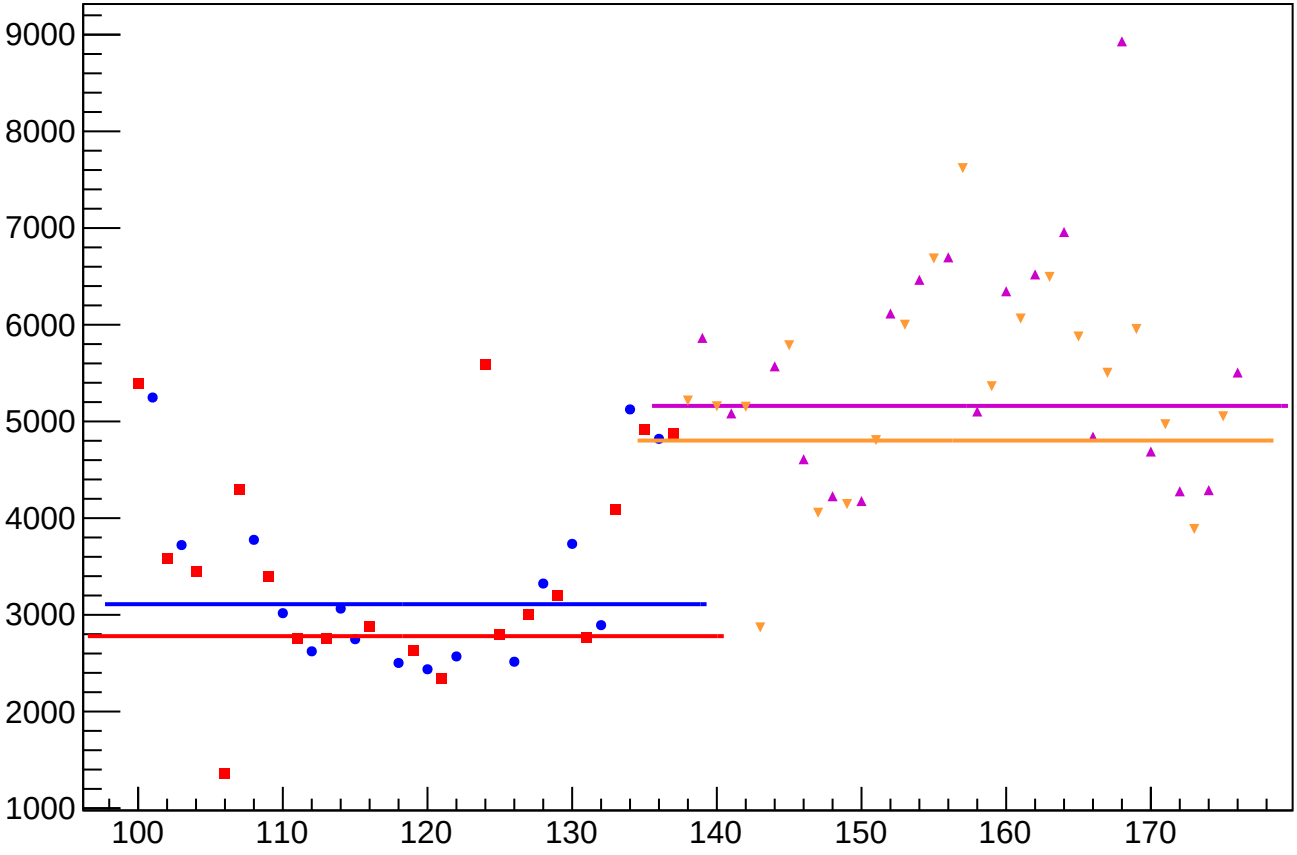
Left In: -431.812+/-1338.090 χ^2/NDF:10.1/18

\+ sign -826.183+/-864.389 χ^2/NDF: 45.8/35

All: -707.940+/-600.711 χ^2/NDF: 74.8/73

\- sign -597.489+/-835.420 χ^2/NDF: 29.0/37

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4802.498+/-0.882 χ^2/NDF:1742428.8/19

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

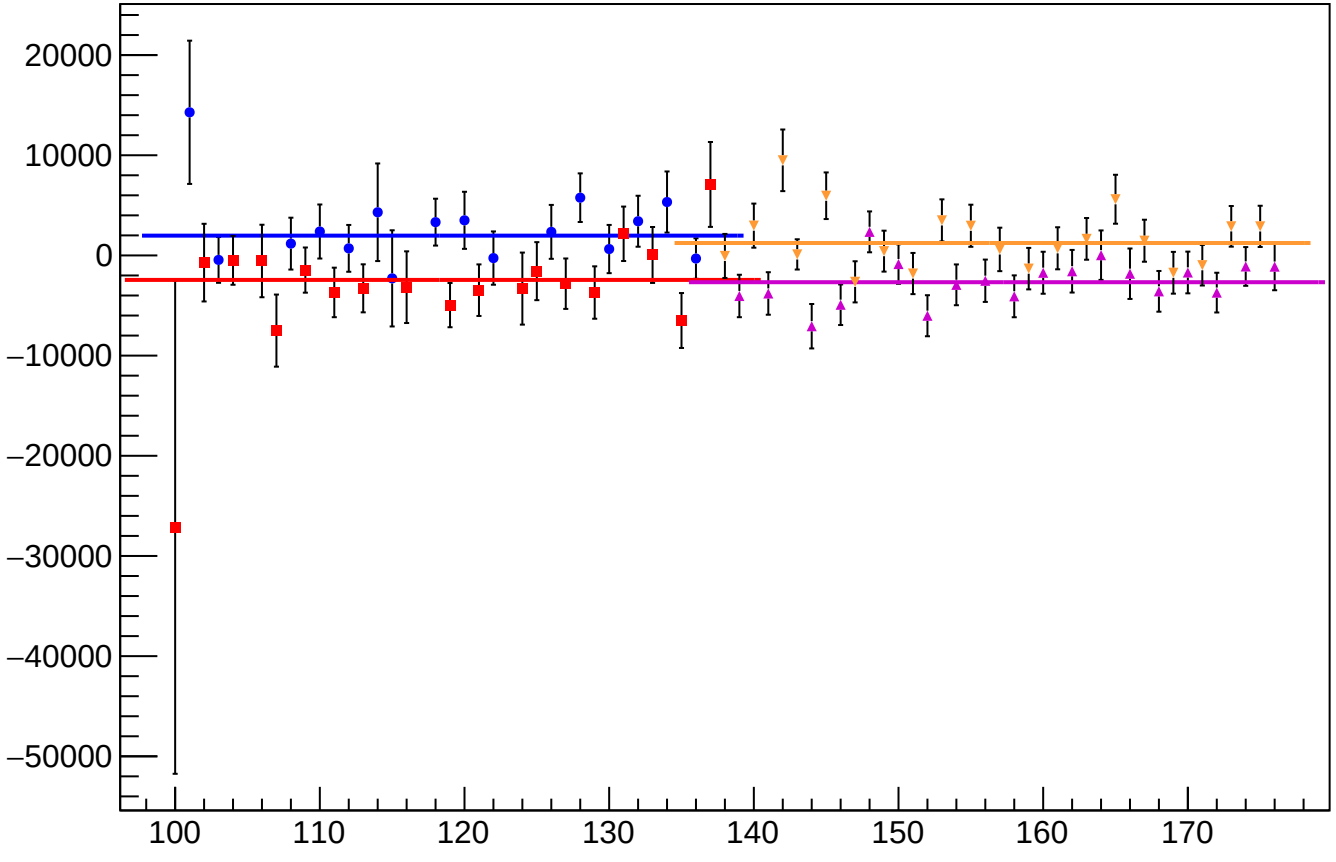
Left In: 5160.861+/-0.946 χ^2/NDF:1119219.0/18

+ sign 3922.195+/-0.611 χ^2/NDF: 4539211.5/35

All: 3811.358+/-0.425 χ^2/NDF: 10935055.6/7

- sign 3707.827+/-0.591 χ^2/NDF: 6332244.6/37

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1241.279+/-468.245 χ^2/NDF:30.1/19

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

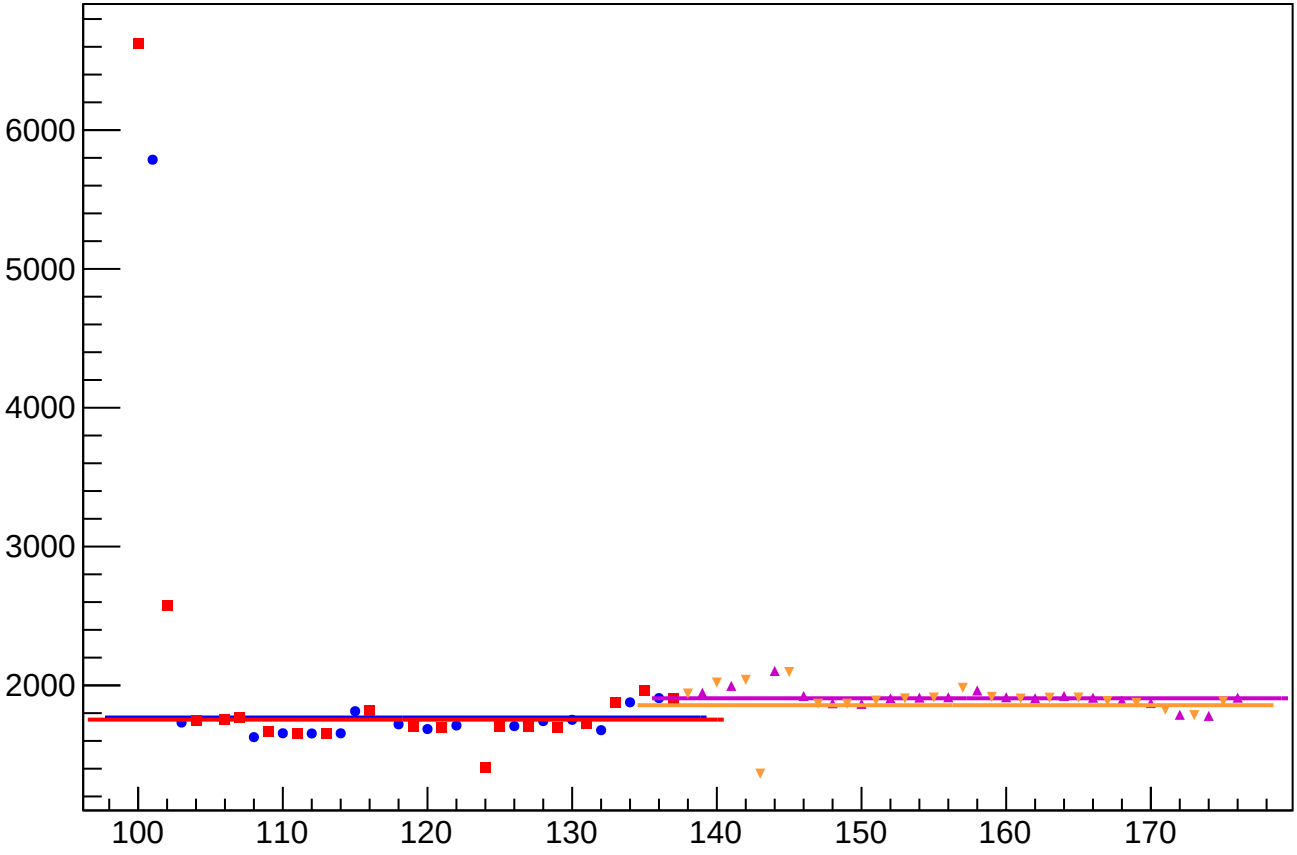
Left In: -2672.714+/-484.108 χ^2/NDF:19.5/18

+ sign 1480.347+/-384.568 χ^2/NDF: 43.3/35

All: -528.120+/-273.788 χ^2/NDF: 135.6/73

- sign -2592.411+/-389.876 χ^2/NDF: 37.0/37

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1857.273+/-0.331 χ^2/NDF:274010.7/19

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

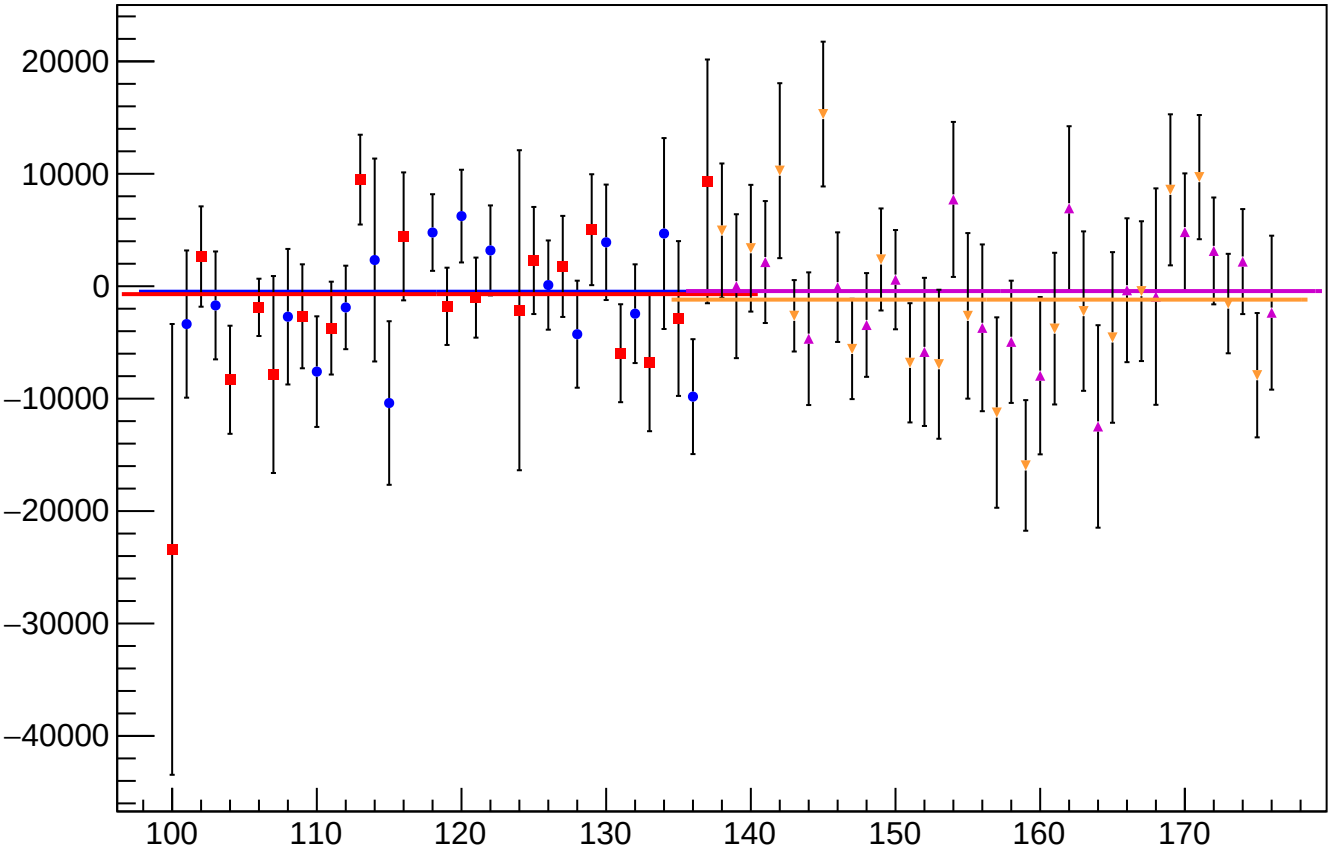
Left In: 1907.057+/-0.342 χ^2/NDF:39646.0/18

+ sign 1828.373+/-0.272 χ^2/NDF: 964785.7/35

All: 1840.464+/-0.194 χ^2/NDF: 1298367.5/73

- sign 1852.867+/-0.275 χ^2/NDF: 329576.9/37

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1192.678+/-1247.849 χ^2/NDF:29.9/19

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

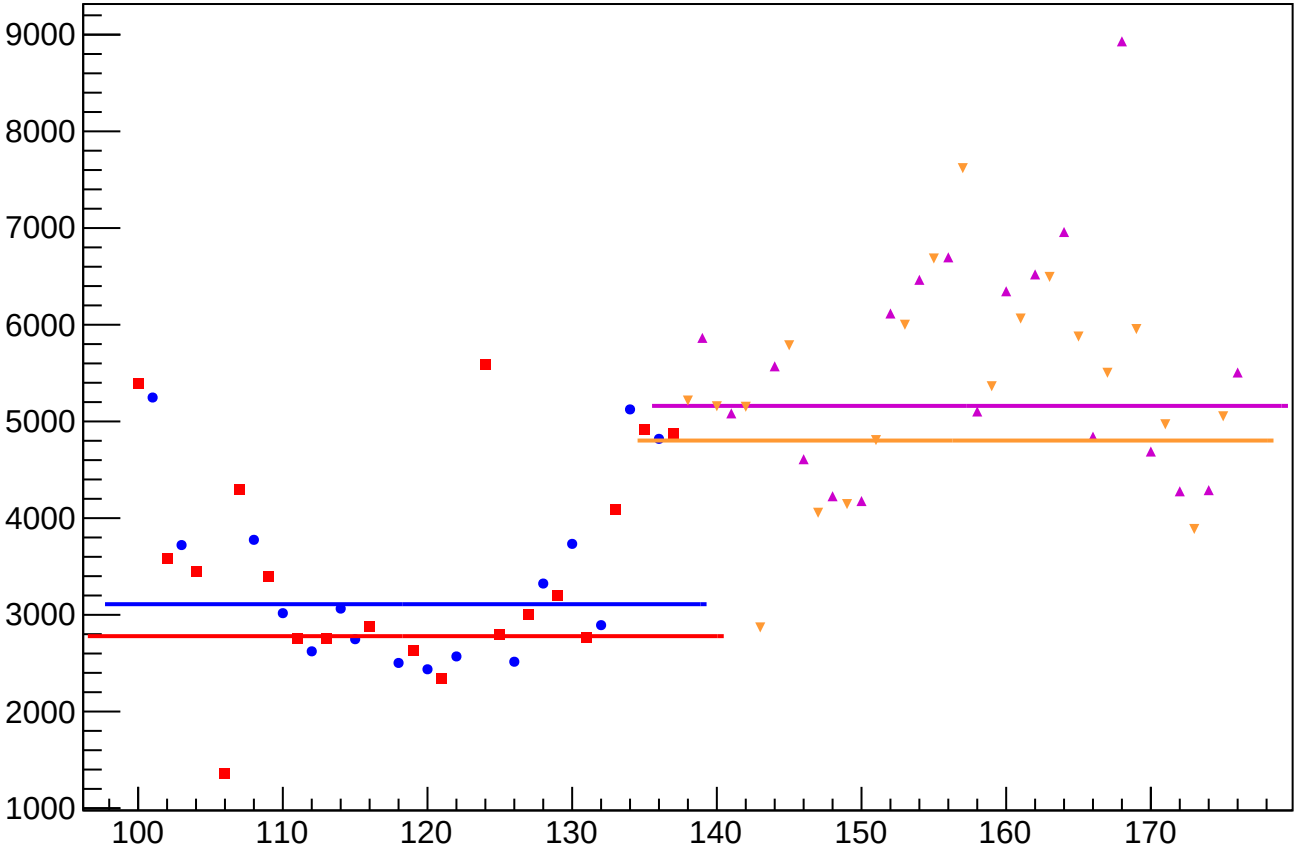
Left In: -431.813+/-1338.092 χ^2/NDF:10.1/18

+ sign -826.181+/-864.388 χ^2/NDF: 45.8/35

All: -707.940+/-600.710 χ^2/NDF: 74.8/73

- sign -597.491+/-835.418 χ^2/NDF: 29.0/37

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4802.504+/-0.882 χ^2/NDF:1742434.9/19

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

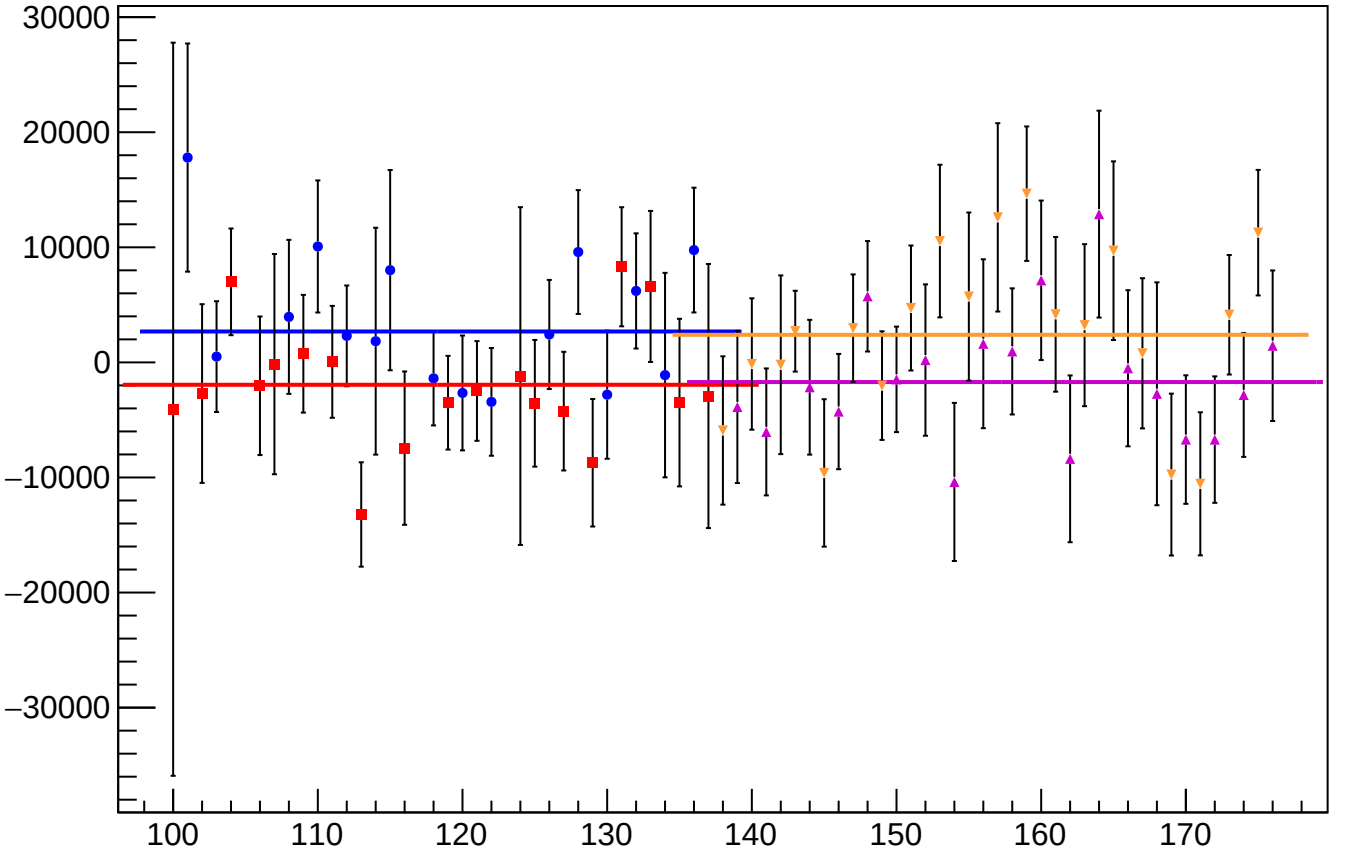
Left In: 5160.868+/-0.946 χ^2/NDF:1119220.2/18

+ sign 3922.188+/-0.611 χ^2/NDF: 4539269.9/35

All: 3811.349+/-0.425 χ^2/NDF: 10935208.0/7

- sign 3707.816+/-0.591 χ^2/NDF: 6332335.9/37

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2396.871+/-1305.948 χ^2/NDF:25.4/19

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

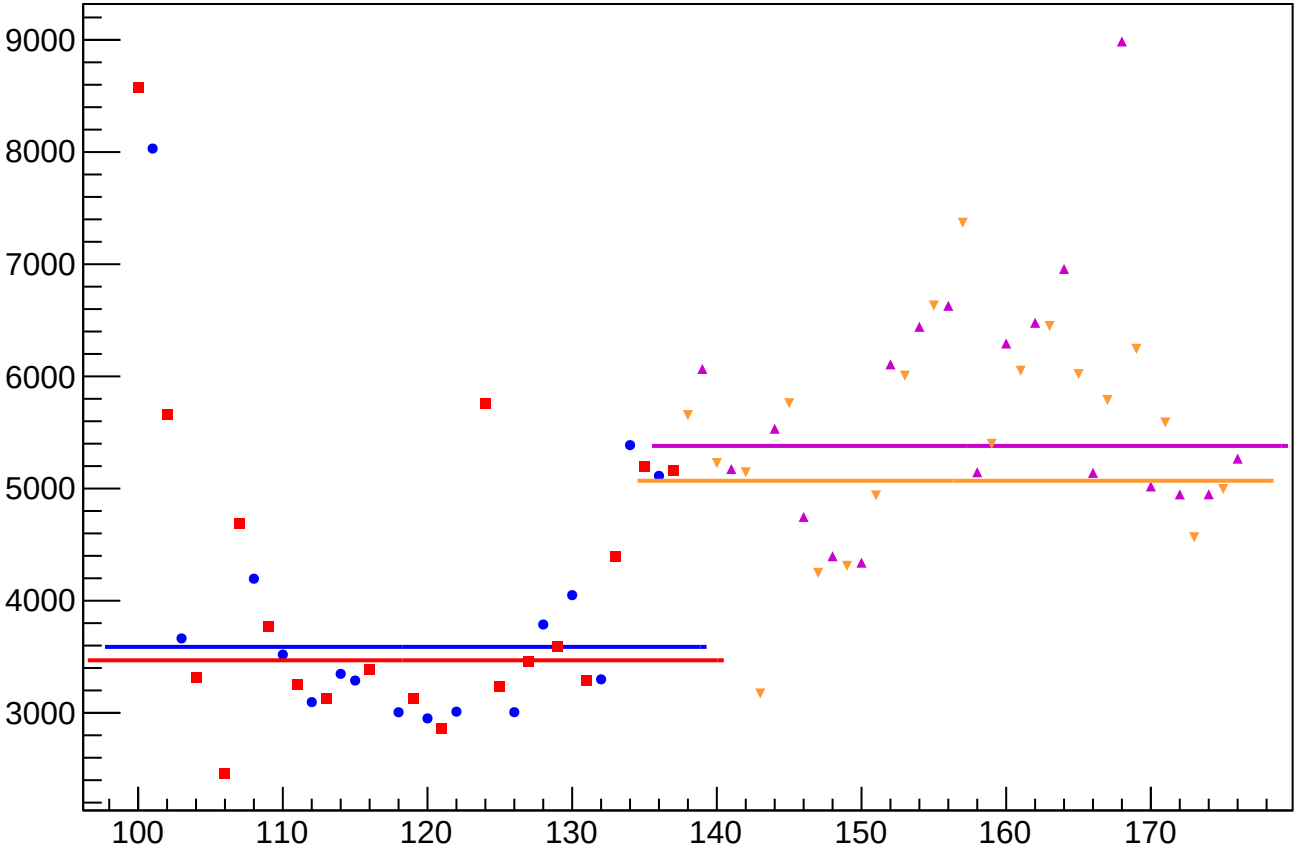
Left In: -1708.312+/-1387.226 χ^2/NDF:12.6/18

+ sign 2533.203+/-948.513 χ^2/NDF: 38.8/35

All: 379.657+/-675.129 χ^2/NDF: 80.6/73

- sign -1831.730+/-961.167 χ^2/NDF: 31.3/37

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5069.359+/-0.923 χ^2/NDF:1298225.9/19

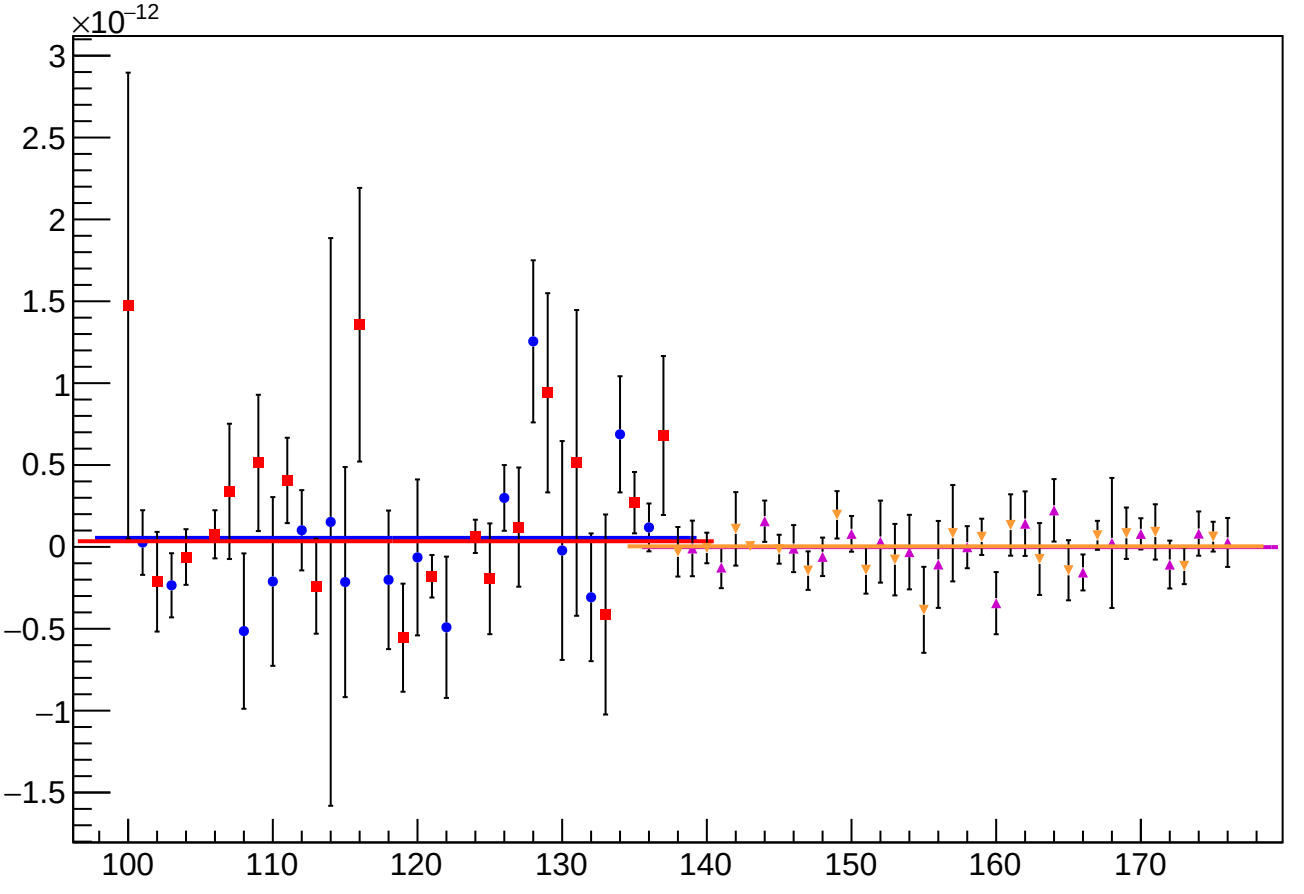
Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5380.052+/-0.981 χ^2/NDF:834837.2/18

+ sign 4369.642+/-0.671 χ^2/NDF: 3358608.4/35

All: 4370.640+/-0.475 χ^2/NDF: 6863207.1/73

- sign 4371.648+/-0.674 χ^2/NDF: 3504594.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

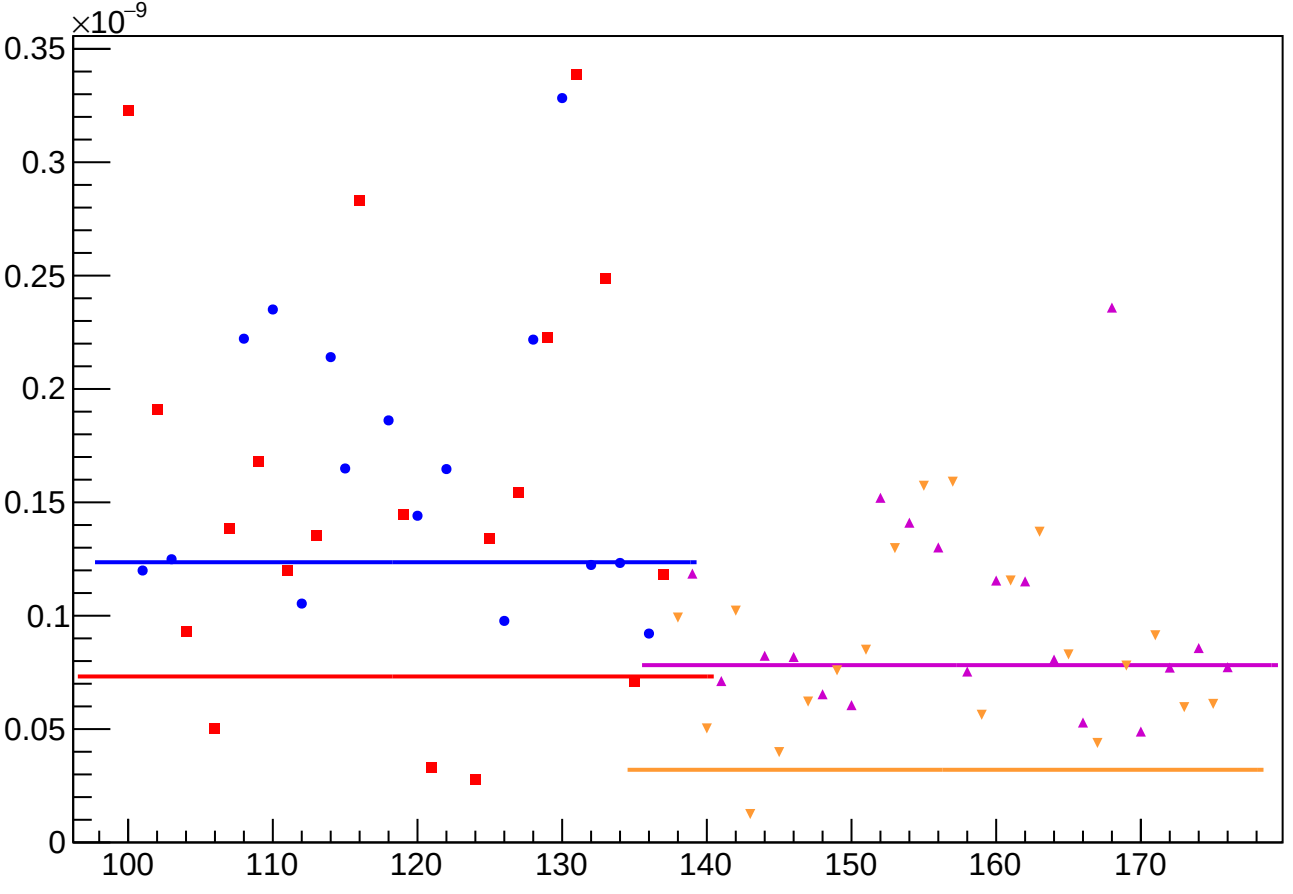
Left In: -0.000+/-0.000 χ^2/NDF:12.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/35

All: 0.000+/-0.000 χ^2/NDF: 64.4/73

- sign 0.000+/-0.000 χ^2/NDF: 34.9/37

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5887247.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

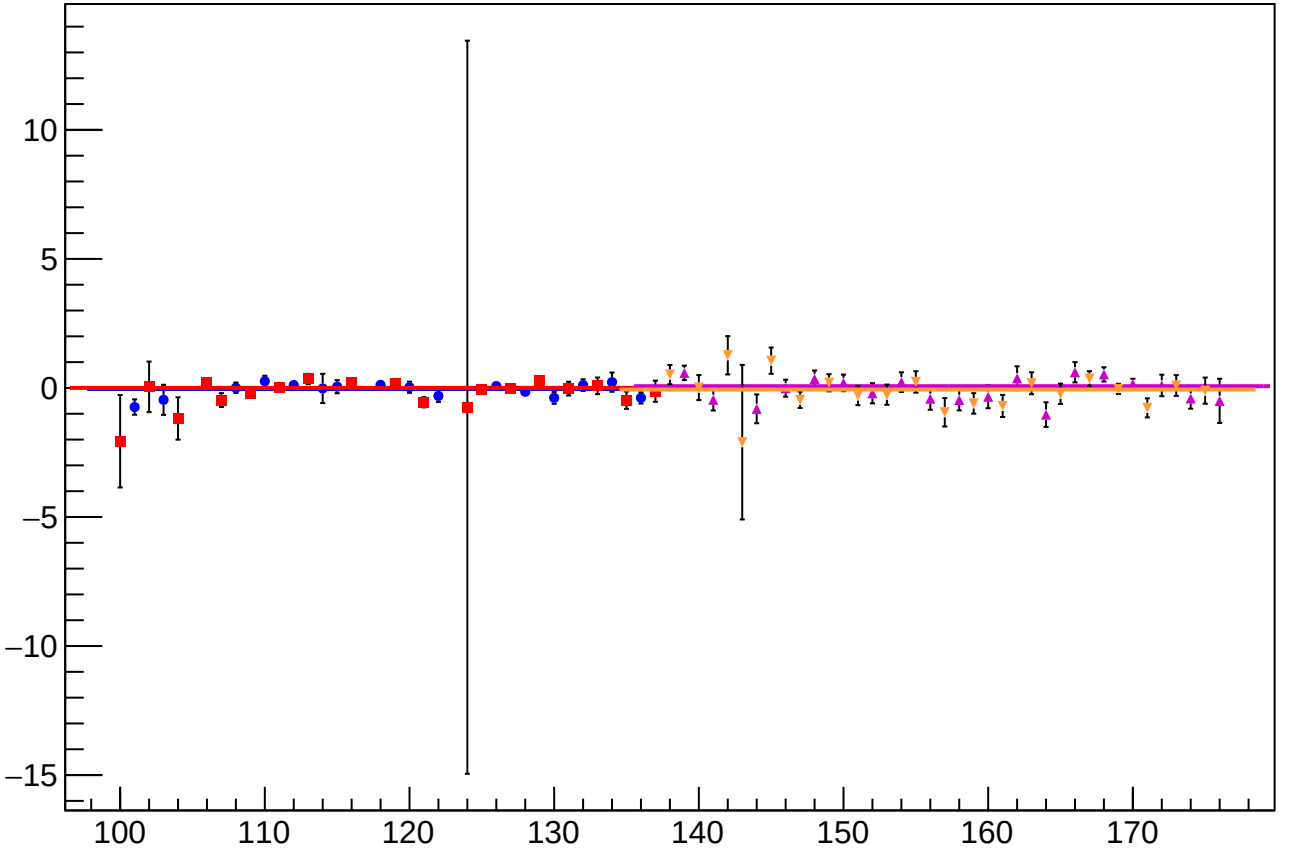
Left In: 0.000+/-0.000 χ^2/NDF:1366740.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 9501680.3/35

All: 0.000+/-0.000 χ^2/NDF: 15896094.0/73

- sign 0.000+/-0.000 χ^2/NDF: 3568266.5/37

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

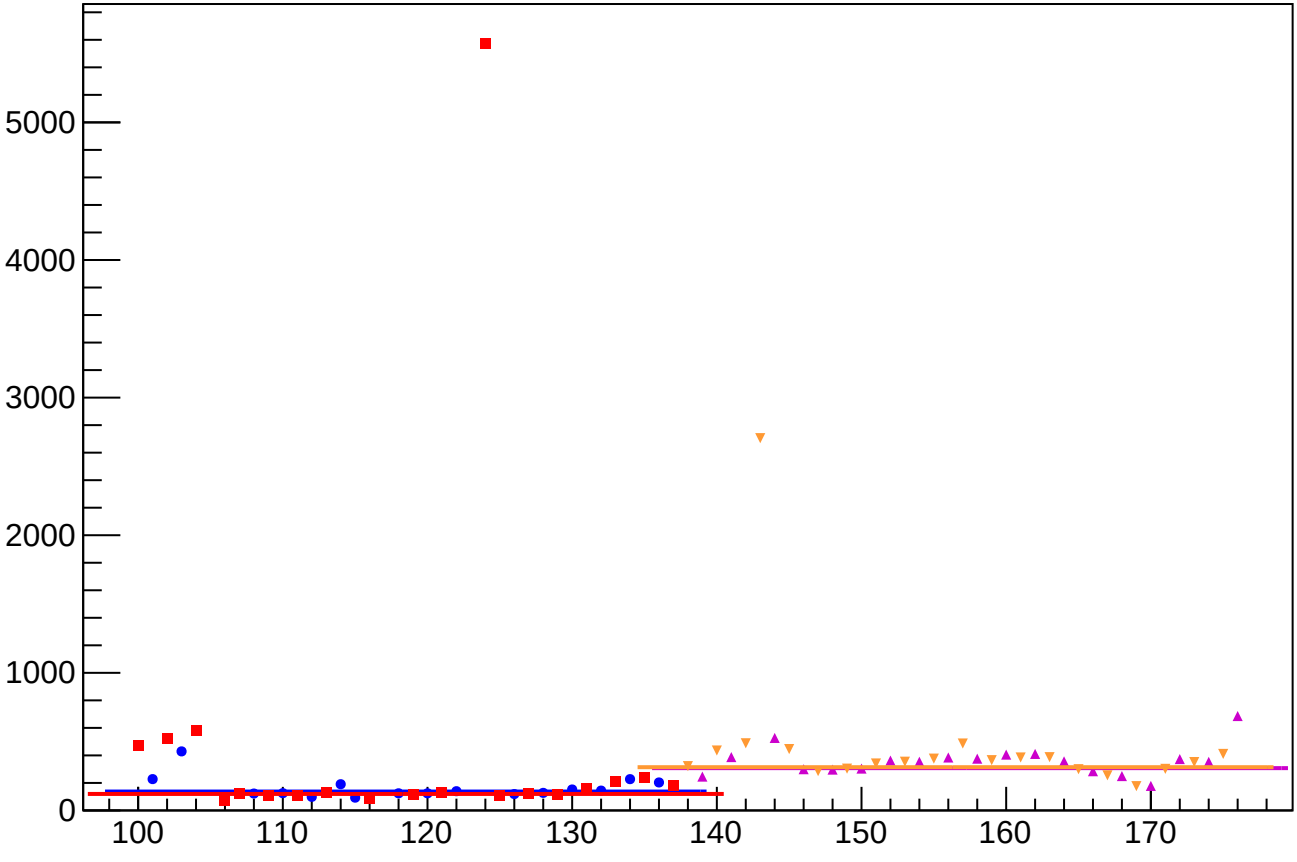
Left In: 0.068+/-0.083 χ^2/NDF:25.4/18

+ sign -0.047+/-0.047 χ^2/NDF: 45.4/35

All: -0.010+/-0.032 χ^2/NDF: 101.0/73

- sign 0.021+/-0.043 χ^2/NDF: 54.5/37

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 314.313+/-0.060 χ^2/NDF:3219988.1/19

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

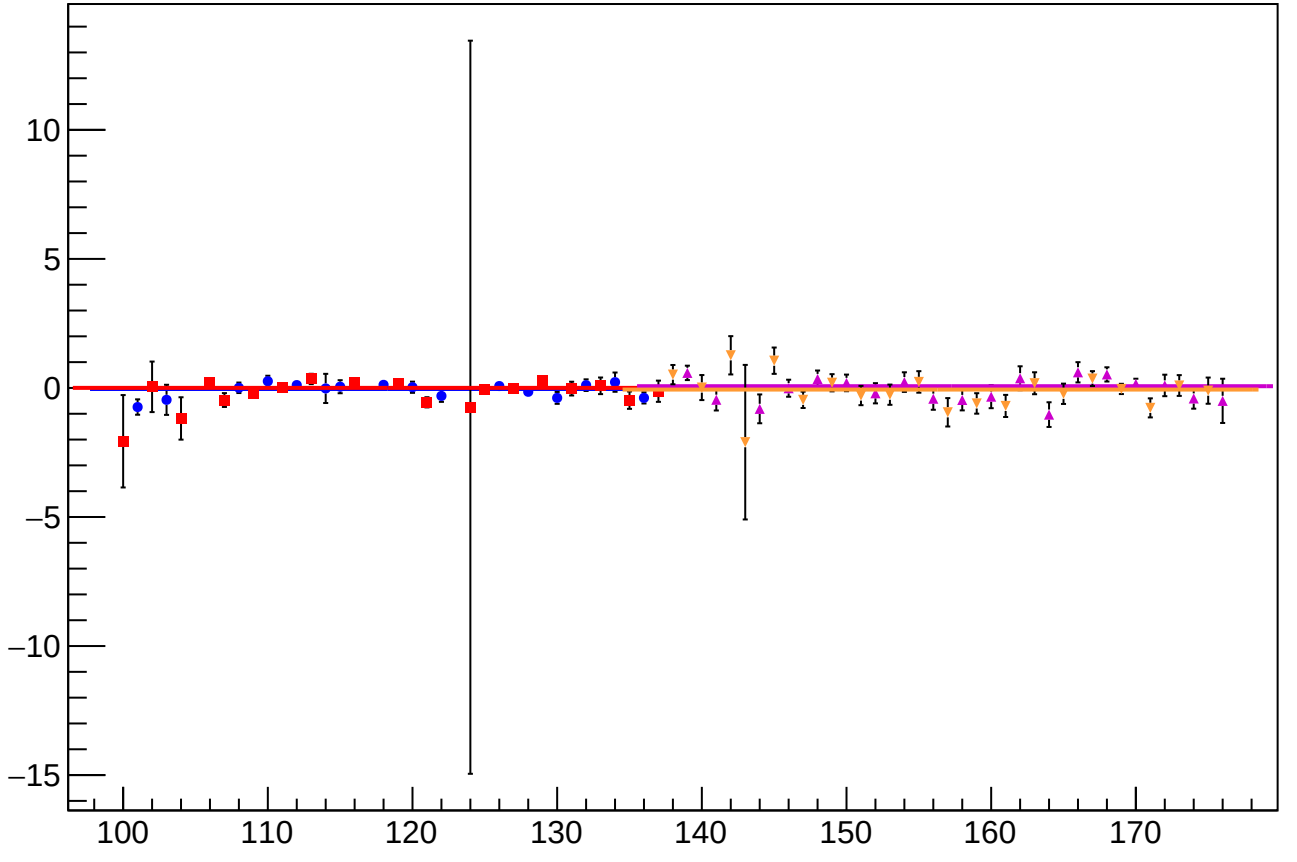
Left In: 307.529+/-0.058 χ^2/NDF:2275101.7/18

+ sign 190.445+/-0.033 χ^2/NDF: 10511732.6/35

All: 180.378+/-0.022 χ^2/NDF: 22576647.2/73

- sign 171.710+/-0.031 χ^2/NDF: 11892022.0/37

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: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

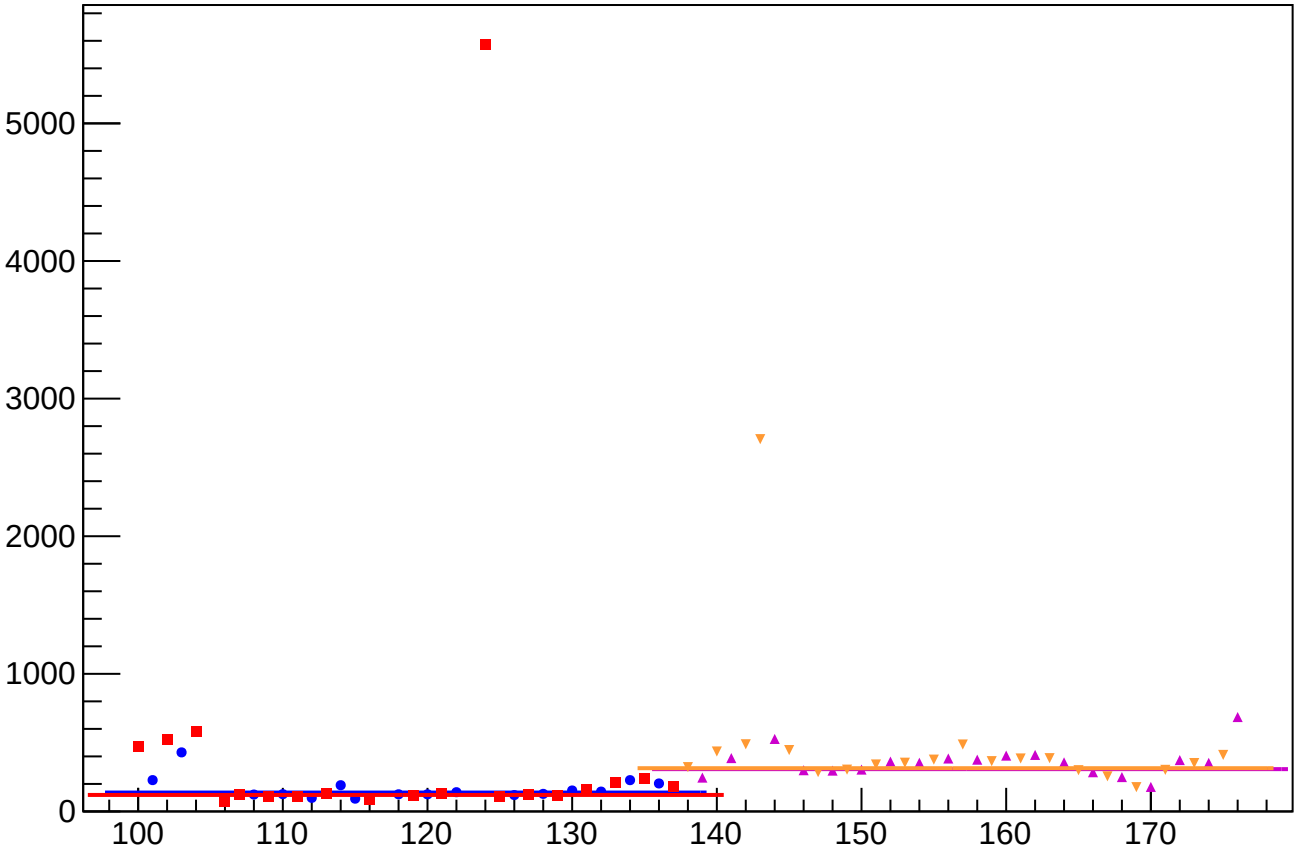
Left In: 0.068+/-0.083 χ^2/NDF:25.4/18

+ sign -0.047+/-0.047 χ^2/NDF: 45.4/35

All: -0.010+/-0.032 χ^2/NDF: 101.0/73

- sign 0.021+/-0.043 χ^2/NDF: 54.5/37

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: 314.313+/-0.060 χ^2/NDF:3219988.1/19

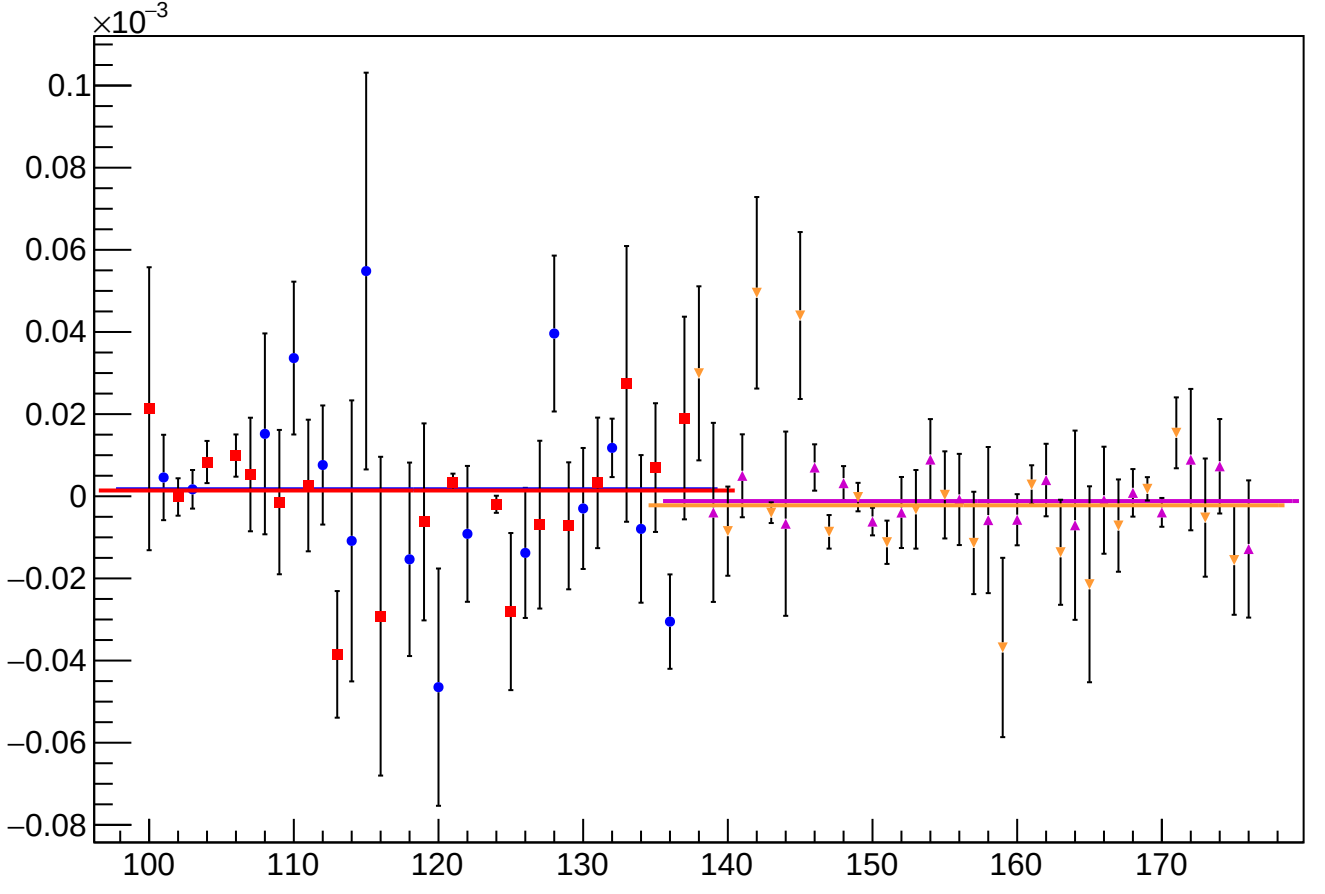
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 307.529+/-0.058 χ^2/NDF:2275101.7/18

+ sign 190.445+/-0.033 χ^2/NDF: 10511732.6/35

All: 180.378+/-0.022 χ^2/NDF: 22576647.2/73

- sign 171.710+/-0.031 χ^2/NDF: 11892022.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.1/19

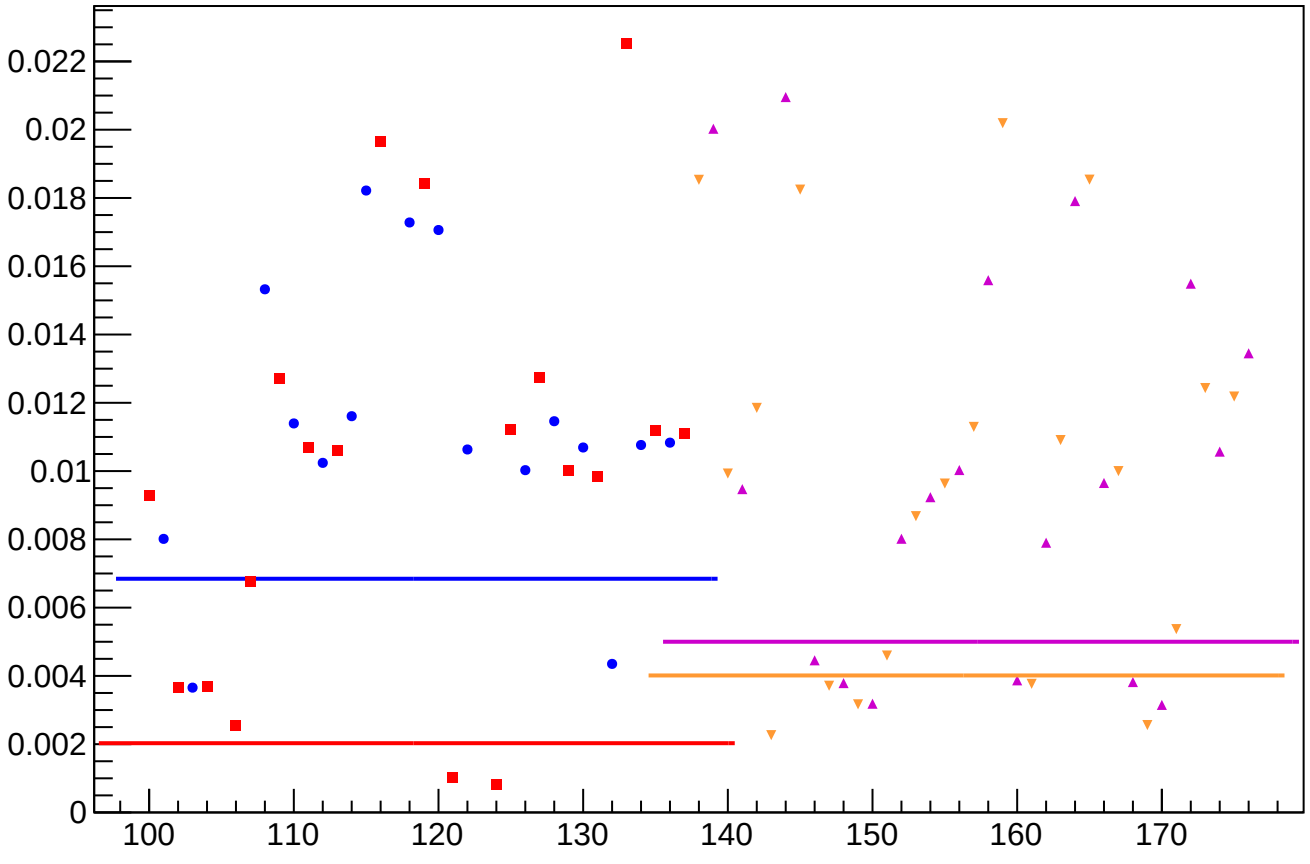
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 57.3/35

All: -0.000+/-0.000 χ^2/NDF: 91.0/73

- sign 0.000+/-0.000 χ^2/NDF: 32.0/37



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:10580528.6/19

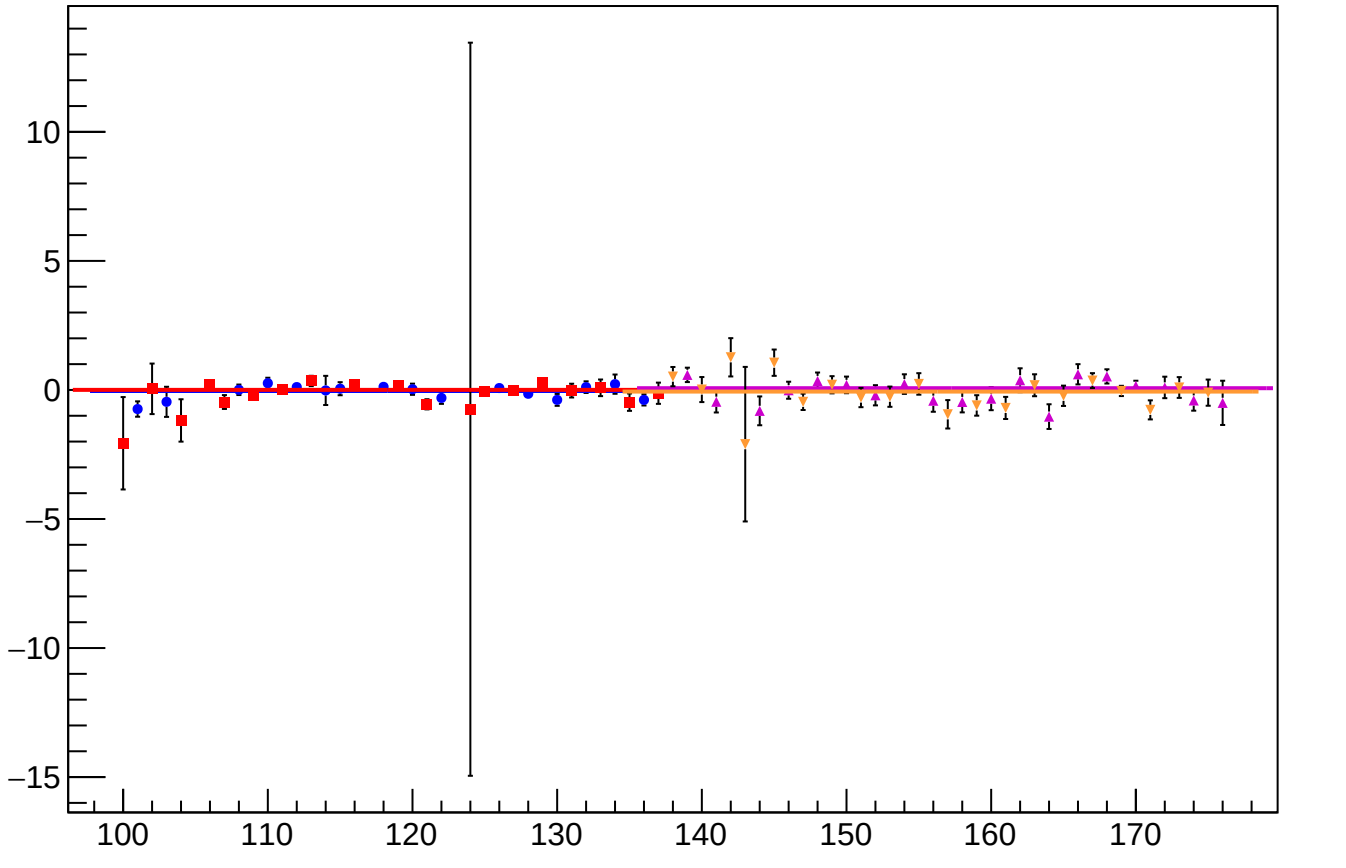
Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:8385312.8/18

+ sign 0.004+/-0.000 χ^2/NDF: 15338438.5/35

All: 0.004+/-0.000 χ^2/NDF: 38453597.8/73

- sign 0.003+/-0.000 χ^2/NDF: 21714104.2/37



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

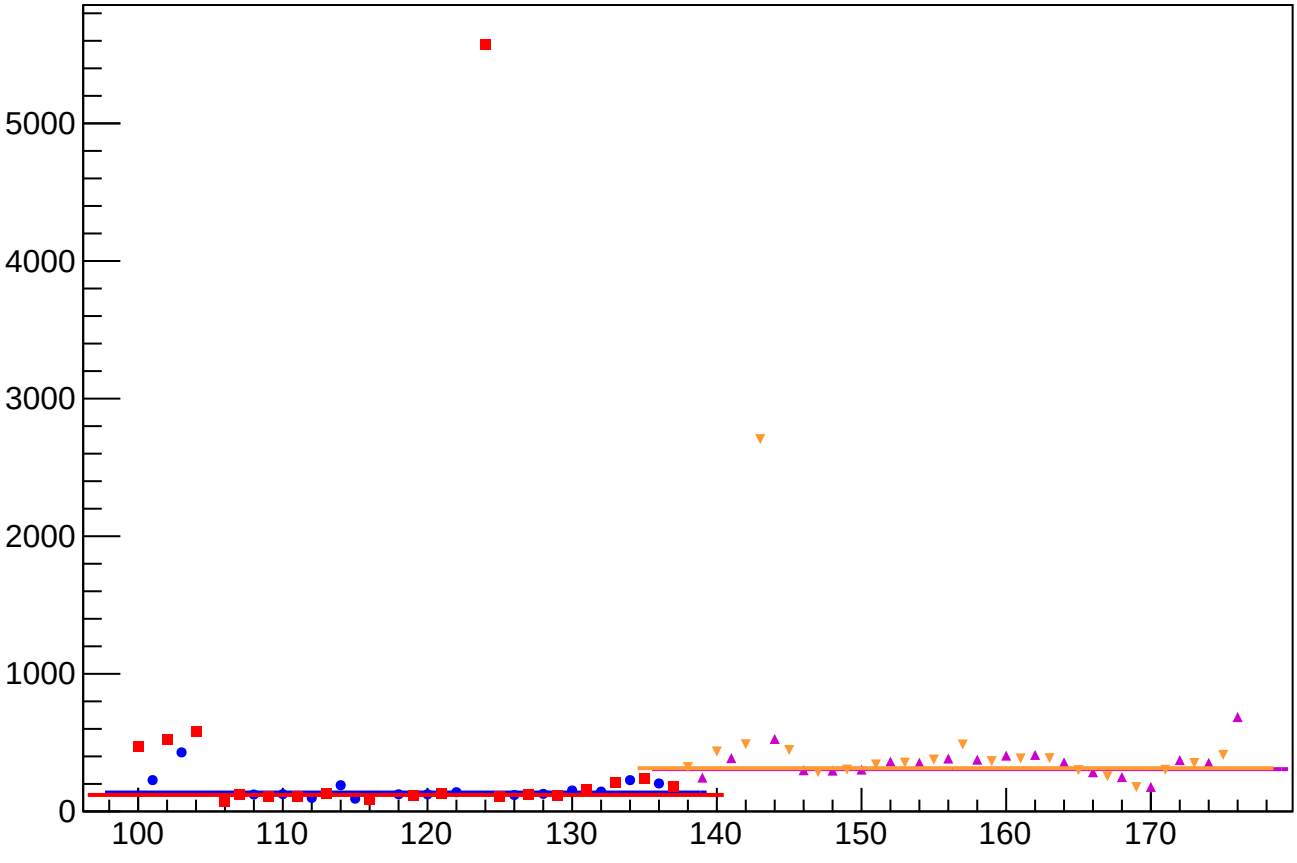
Left In: 0.068+/-0.083 χ^2/NDF:25.4/18

+ sign -0.047+/-0.047 χ^2/NDF: 45.4/35

All: -0.010+/-0.032 χ^2/NDF: 101.0/73

- sign 0.021+/-0.043 χ^2/NDF: 54.5/37

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: 314.315+/-0.060 χ^2/NDF:3220028.2/19

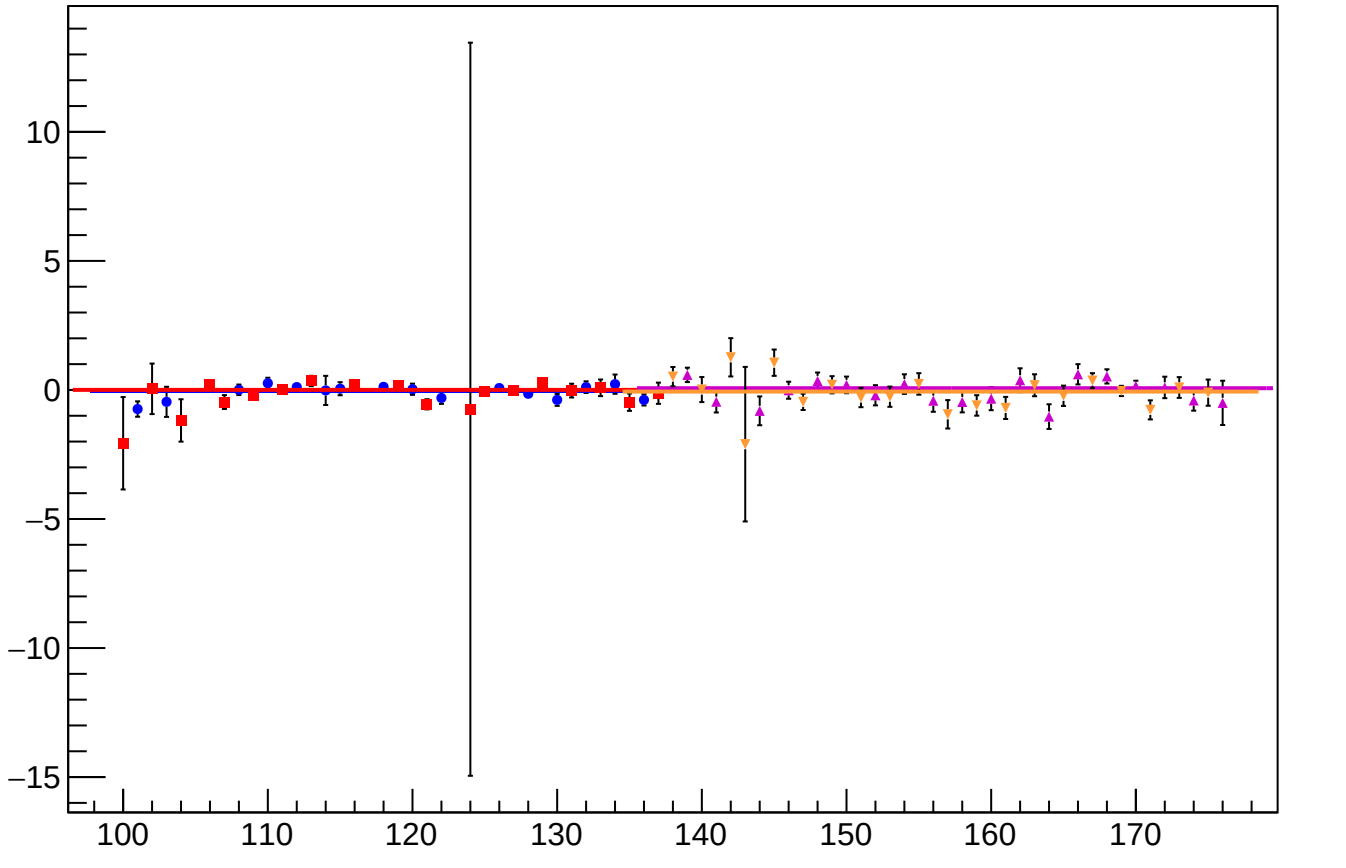
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 307.531+/-0.058 χ^2/NDF:2275095.8/18

+ sign 190.446+/-0.033 χ^2/NDF: 10511703.2/35

All: 180.378+/-0.022 χ^2/NDF: 22576682.7/73

- sign 171.710+/-0.031 χ^2/NDF: 11892067.2/37



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.063+/-0.085 χ^2/NDF:27.4/19

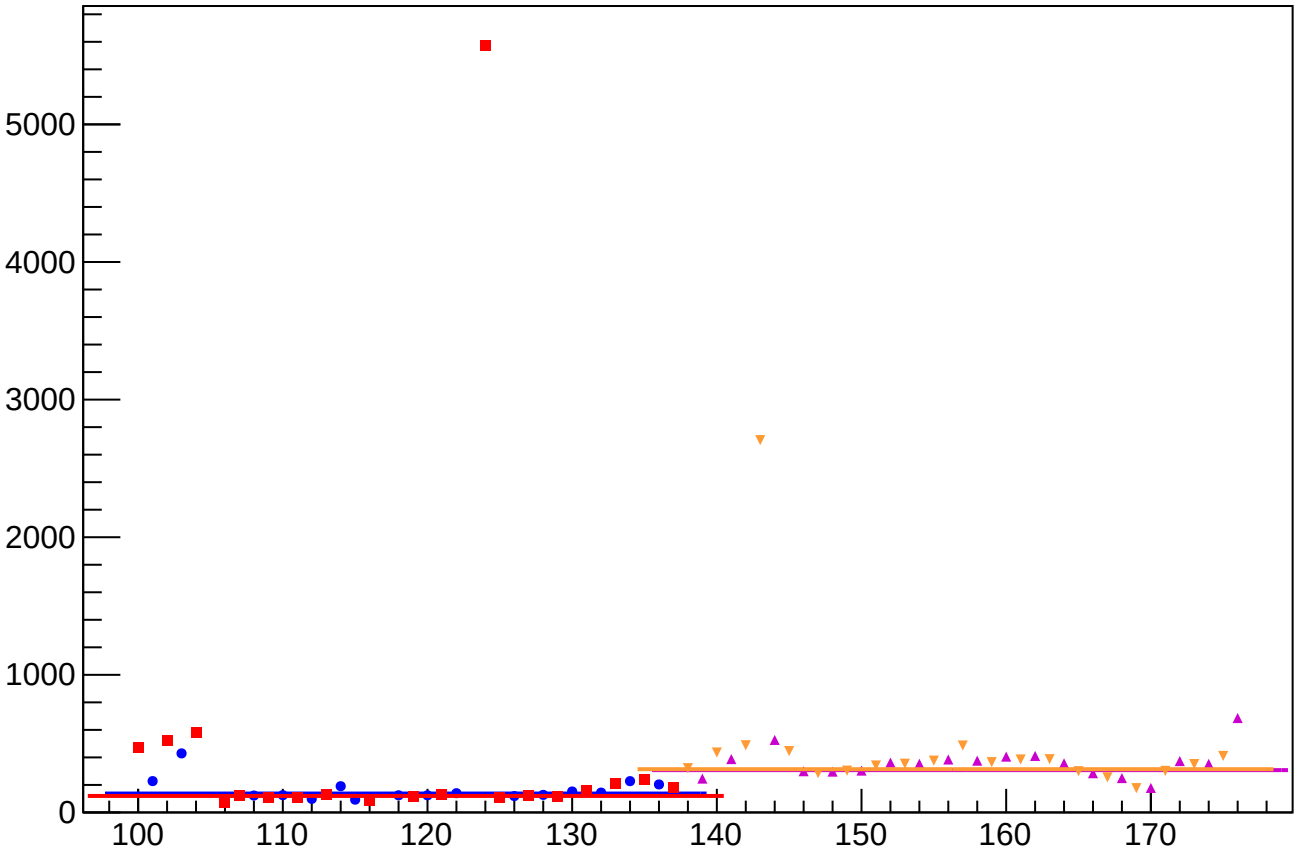
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.068+/-0.083 χ^2/NDF:25.4/18

+ sign -0.047+/-0.047 χ^2/NDF: 45.4/35

All: -0.010+/-0.032 χ^2/NDF: 101.0/73

- sign 0.021+/-0.043 χ^2/NDF: 54.5/37



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 314.315+/-0.060 χ^2/NDF:3220028.2/19

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

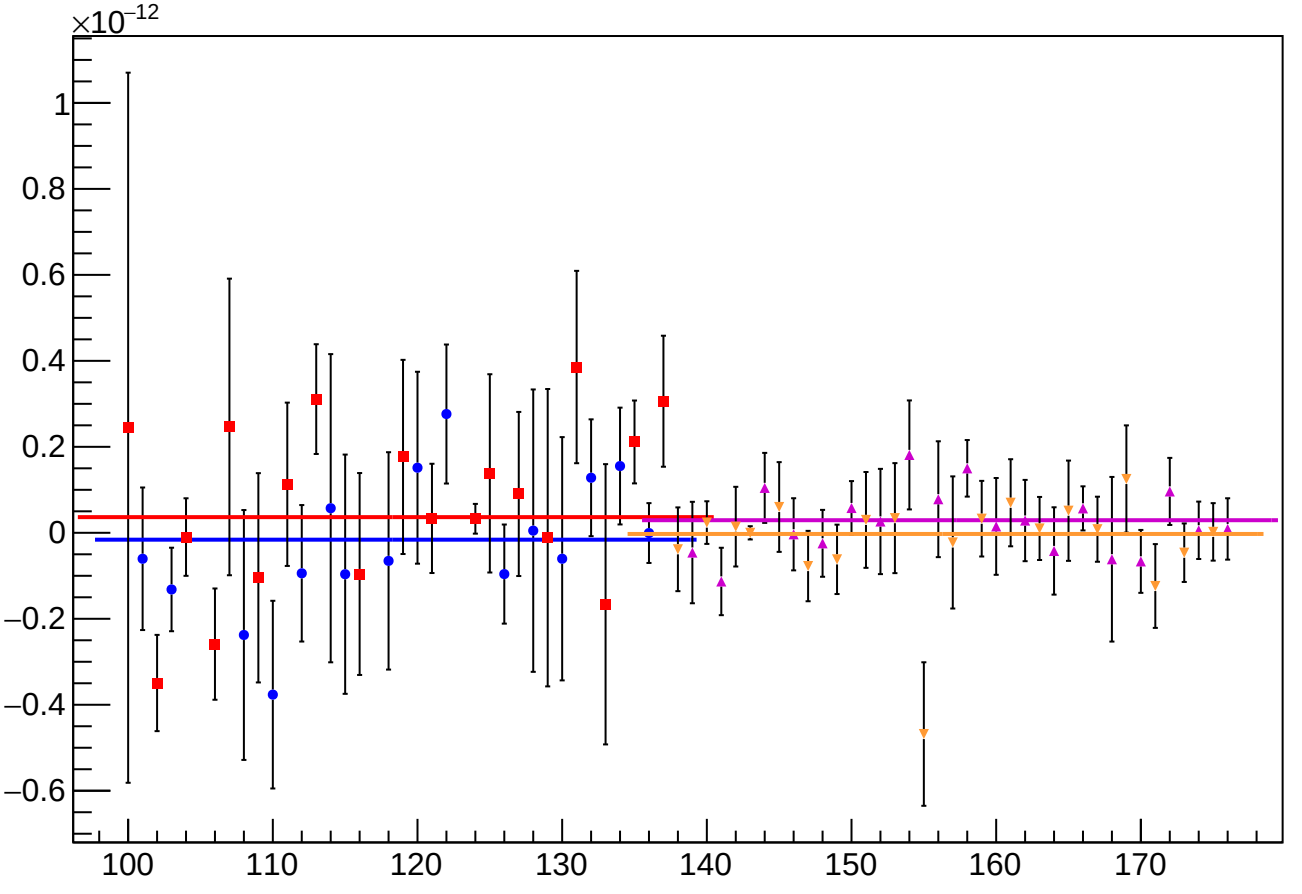
Left In: 307.531+/-0.058 χ^2/NDF:2275095.8/18

\+ sign 190.446+/-0.033 χ^2/NDF: 10511703.2/35

All: 180.378+/-0.022 χ^2/NDF: 22576682.7/73

\- sign 171.710+/-0.031 χ^2/NDF: 11892067.2/37

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:14.1/19

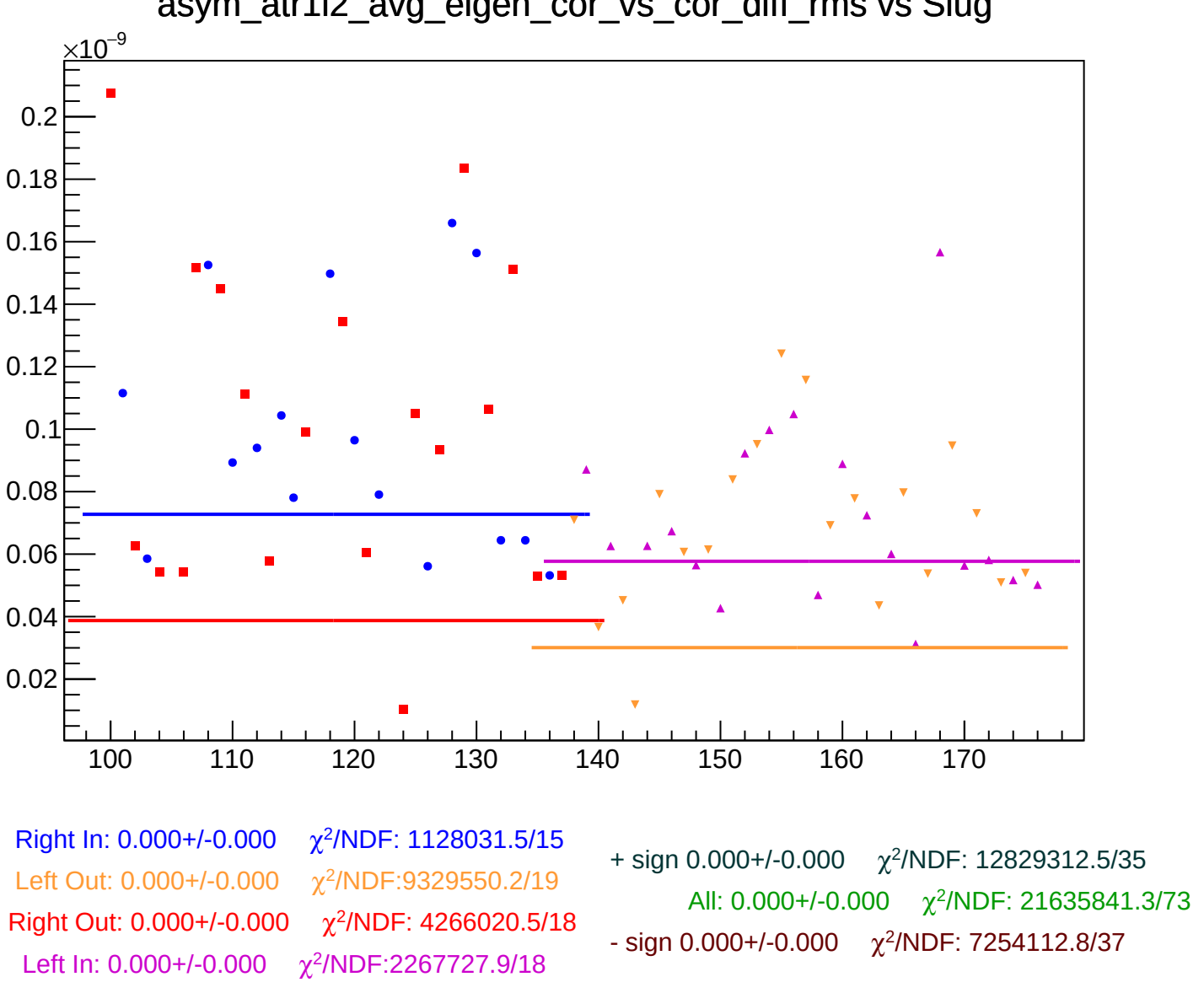
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.0/18

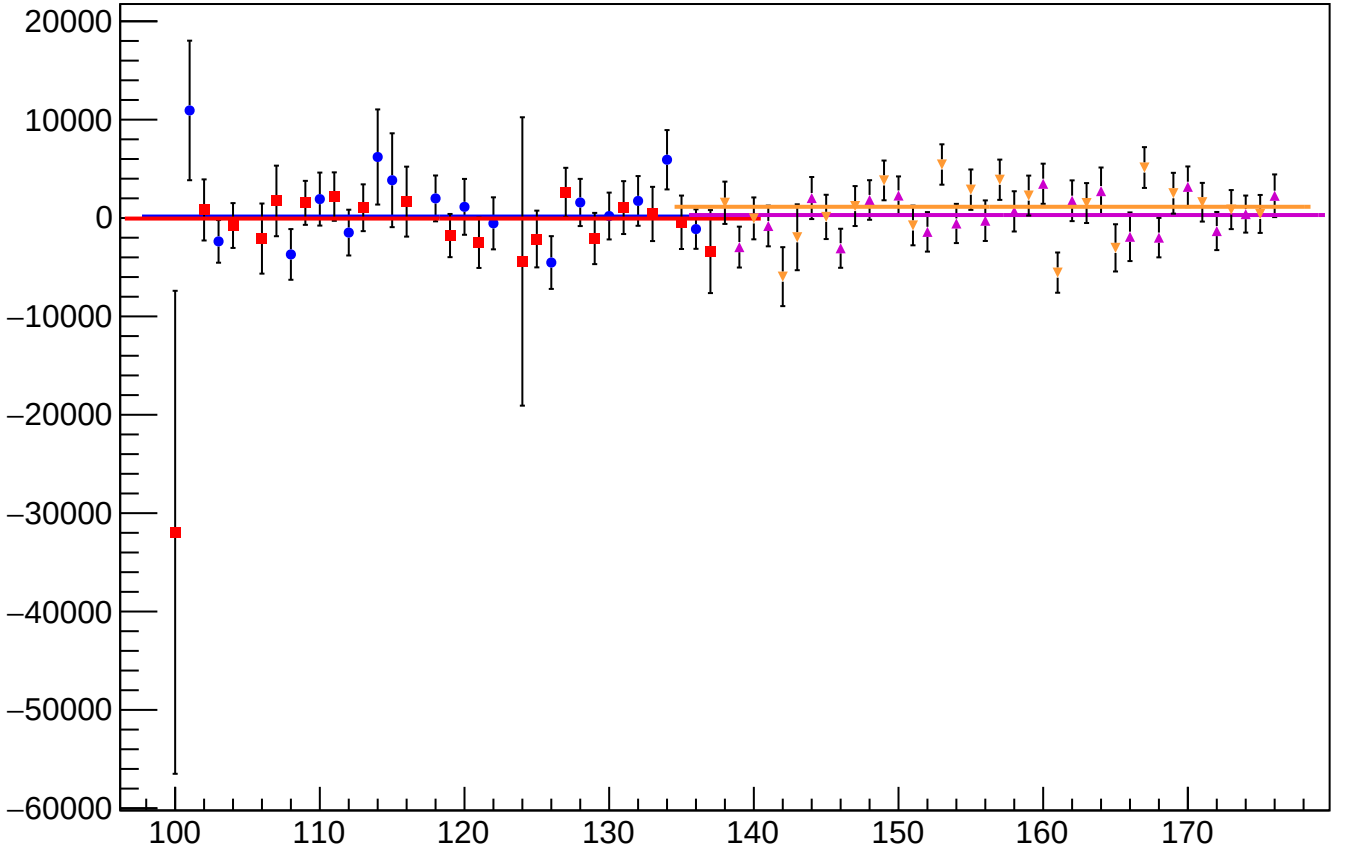
+ sign -0.000+/-0.000 χ^2/NDF: 26.5/35

All: 0.000+/-0.000 χ^2/NDF: 77.3/73

- sign 0.000+/-0.000 χ^2/NDF: 47.2/37


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
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:9329550.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:2267727.9/18
+ sign 0.000+/-0.000 χ²/NDF: 12829312.5/35
All: 0.000+/-0.000 χ²/NDF: 21635841.3/73
- sign 0.000+/-0.000 χ²/NDF: 7254112.8/37

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1143.226+/-475.358 χ^2/NDF:35.0/19

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

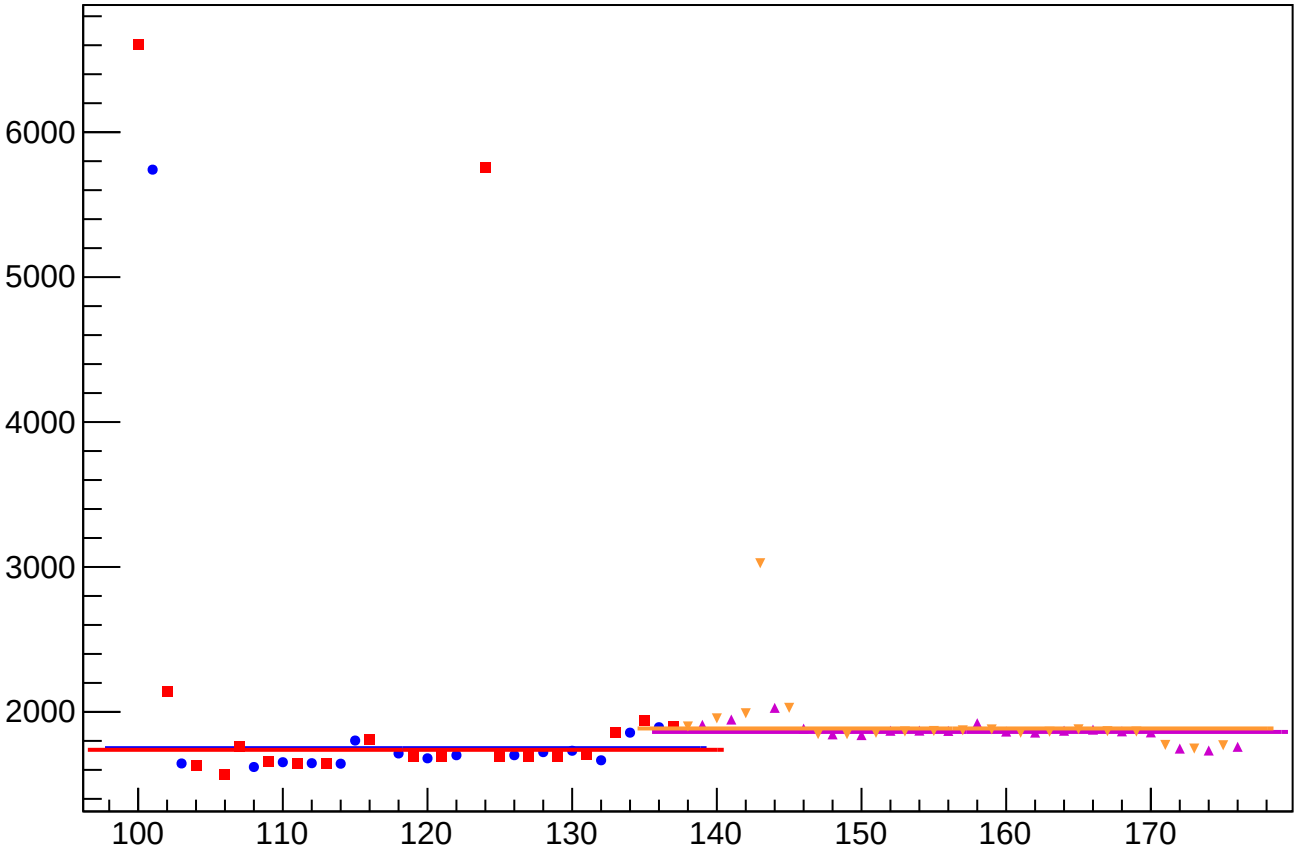
Left In: 304.239+/-472.602 χ^2/NDF:18.4/18

+ sign 808.939+/-387.114 χ^2/NDF: 54.2/35

All: 492.180+/-272.375 χ^2/NDF: 83.1/73

- sign 181.619+/-383.308 χ^2/NDF: 27.6/37

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1885.861+/-0.336 χ^2/NDF:271540.0/19

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

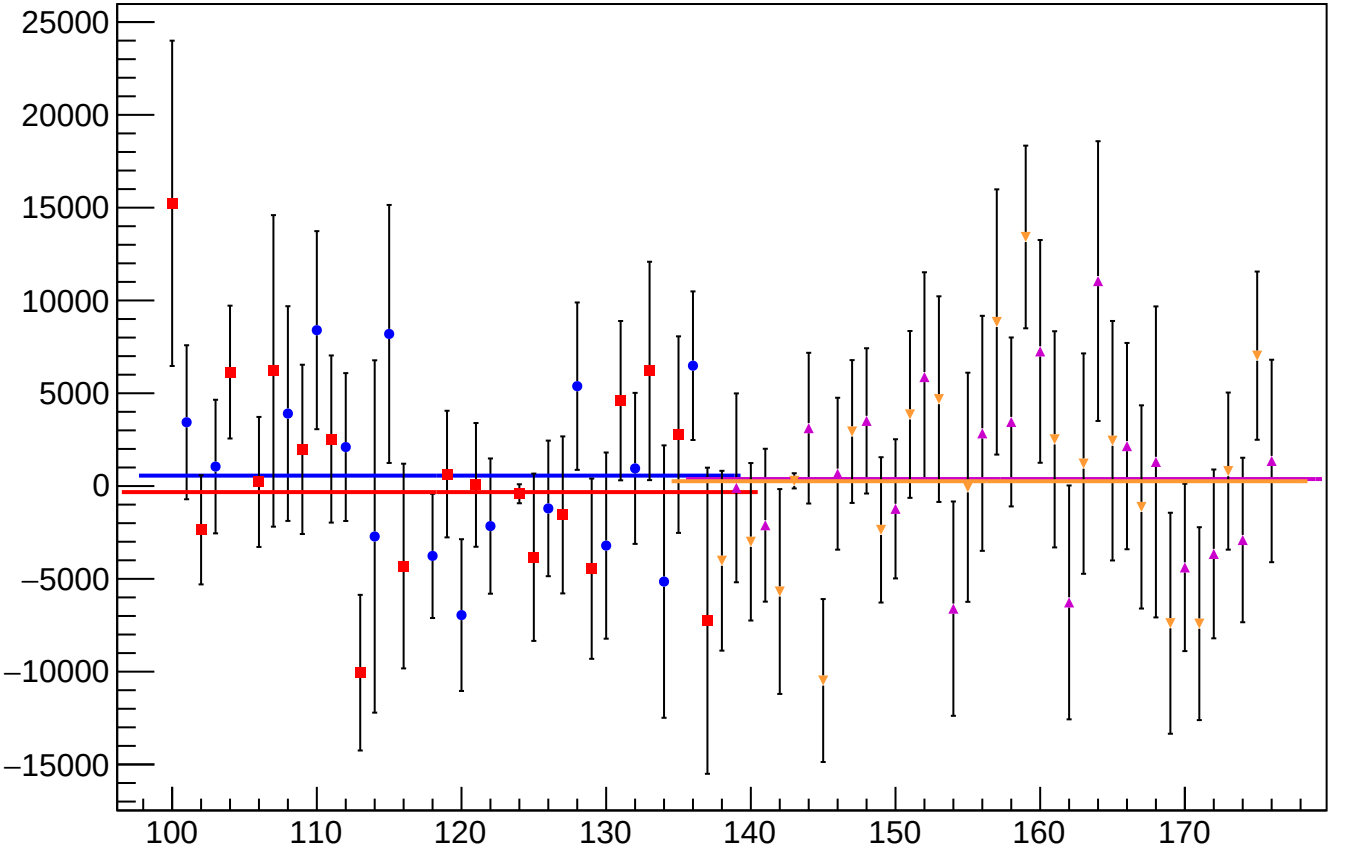
Left In: 1861.811+/-0.334 χ^2/NDF:40004.4/18

+ sign 1840.055+/-0.274 χ^2/NDF: 996251.4/35

All: 1829.500+/-0.192 χ^2/NDF: 1390735.1/73

- sign 1819.204+/-0.270 χ^2/NDF: 391546.5/37

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 260.670+/-385.041 χ^2/NDF:25.8/19

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

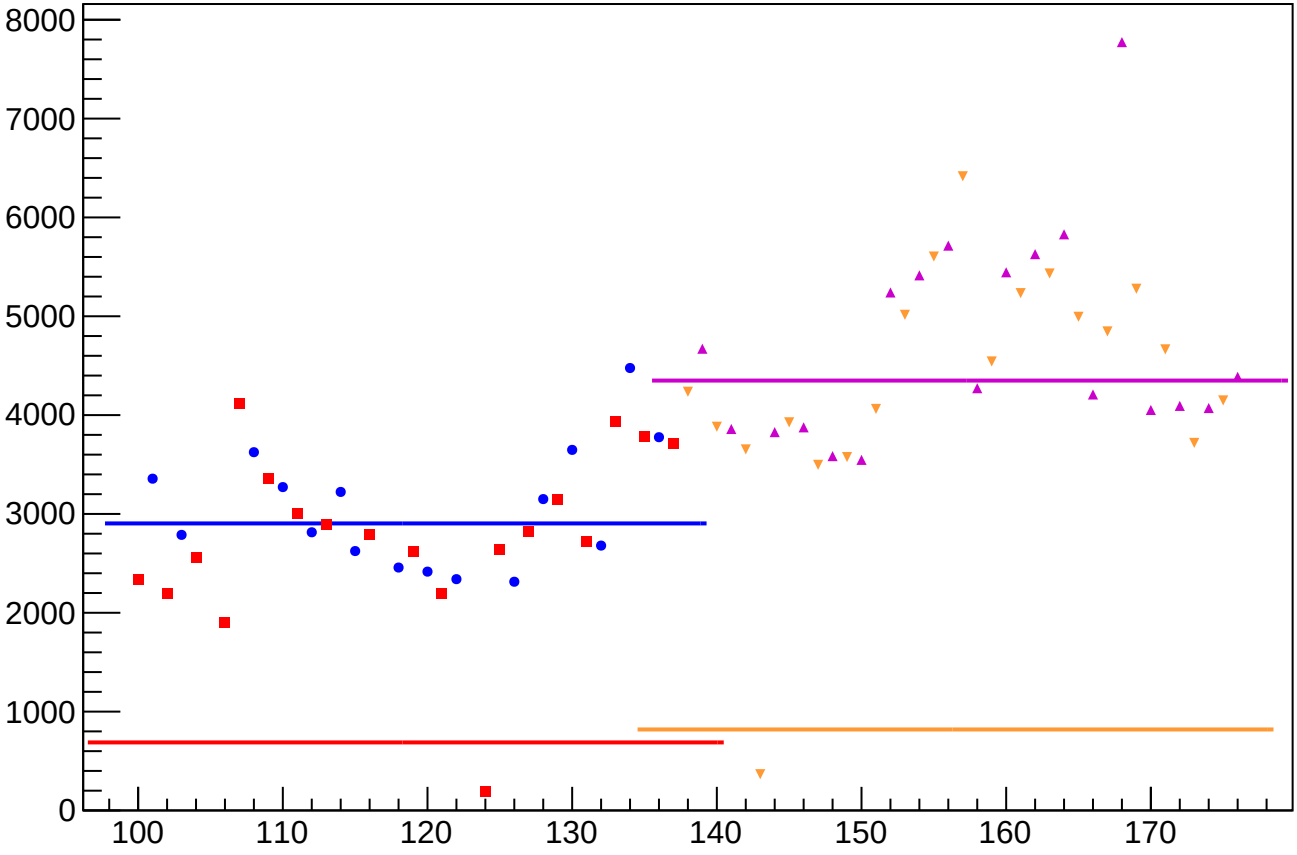
Left In: 377.840+/-1126.373 χ^2/NDF:11.7/18

+ sign 293.536+/-363.462 χ^2/NDF: 40.6/35

All: 73.699+/-276.013 χ^2/NDF: 72.8/73

- sign -225.788+/-424.226 χ^2/NDF: 31.3/37

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 819.442+/-0.272 χ^2/NDF:22248930.1/19

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

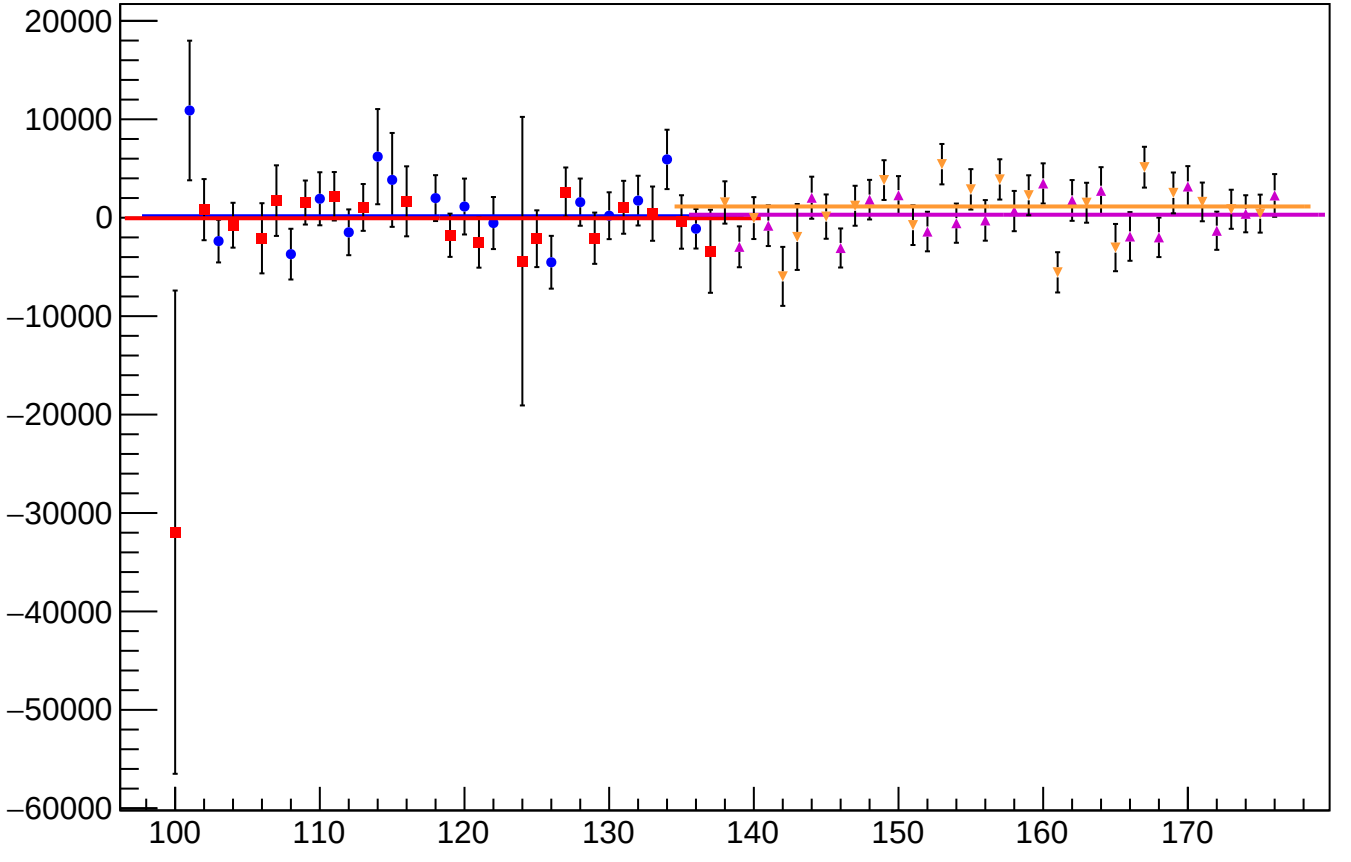
Left In: 4349.419+/-0.796 χ^2/NDF:1059830.1/18

+ sign 1046.555+/-0.257 χ^2/NDF: 29115503.0/35

All: 1114.748+/-0.195 χ^2/NDF: 58622801.3/7

- sign 1207.648+/-0.300 χ^2/NDF: 29340984.7/37

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1143.201+/-475.358 χ^2/NDF:35.0/19

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

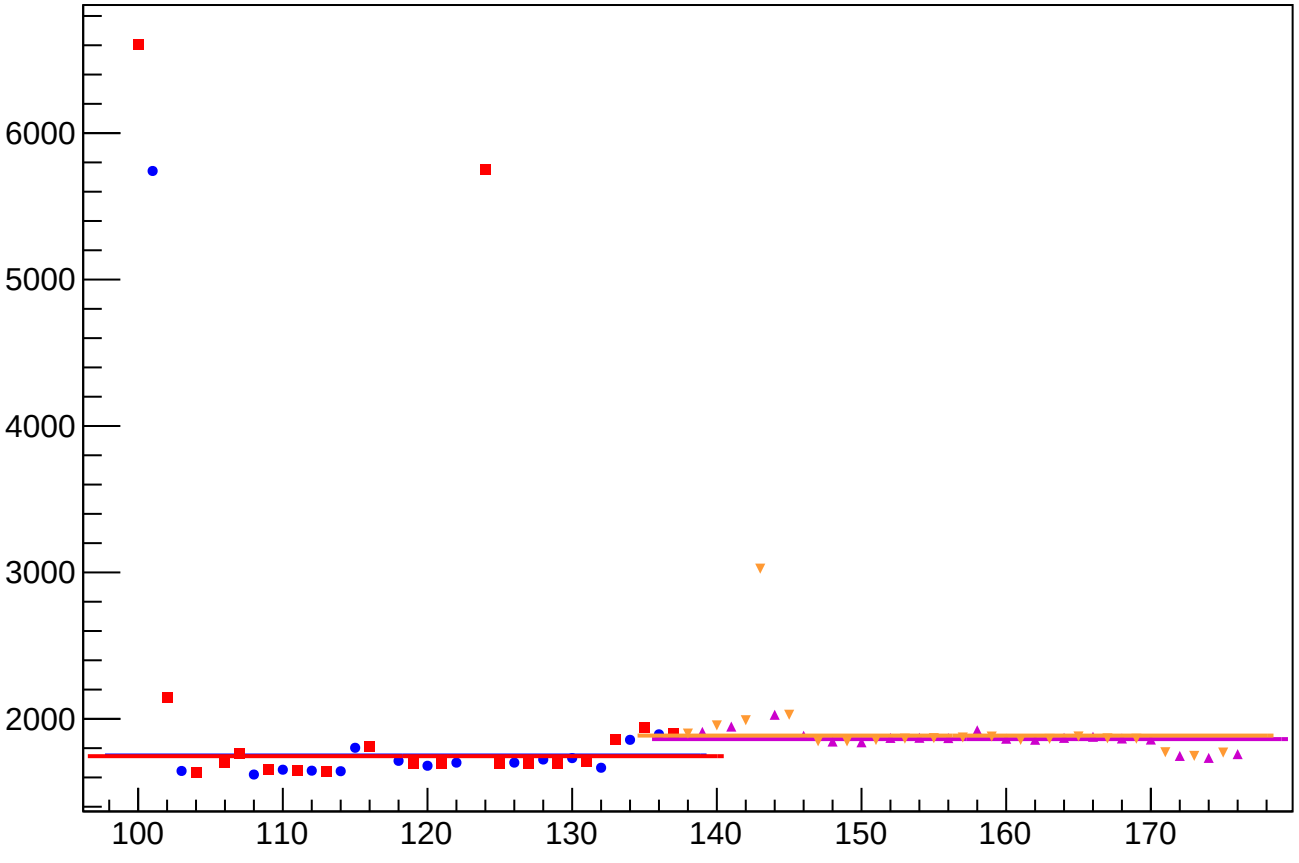
Left In: 304.230+/-472.602 χ^2/NDF:18.4/18

+ sign 808.764+/-387.114 χ^2/NDF: 54.1/35

All: 492.081+/-272.375 χ^2/NDF: 83.1/73

- sign 181.595+/-383.308 χ^2/NDF: 27.6/37

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1885.861+/-0.336 χ^2/NDF:271540.0/19

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

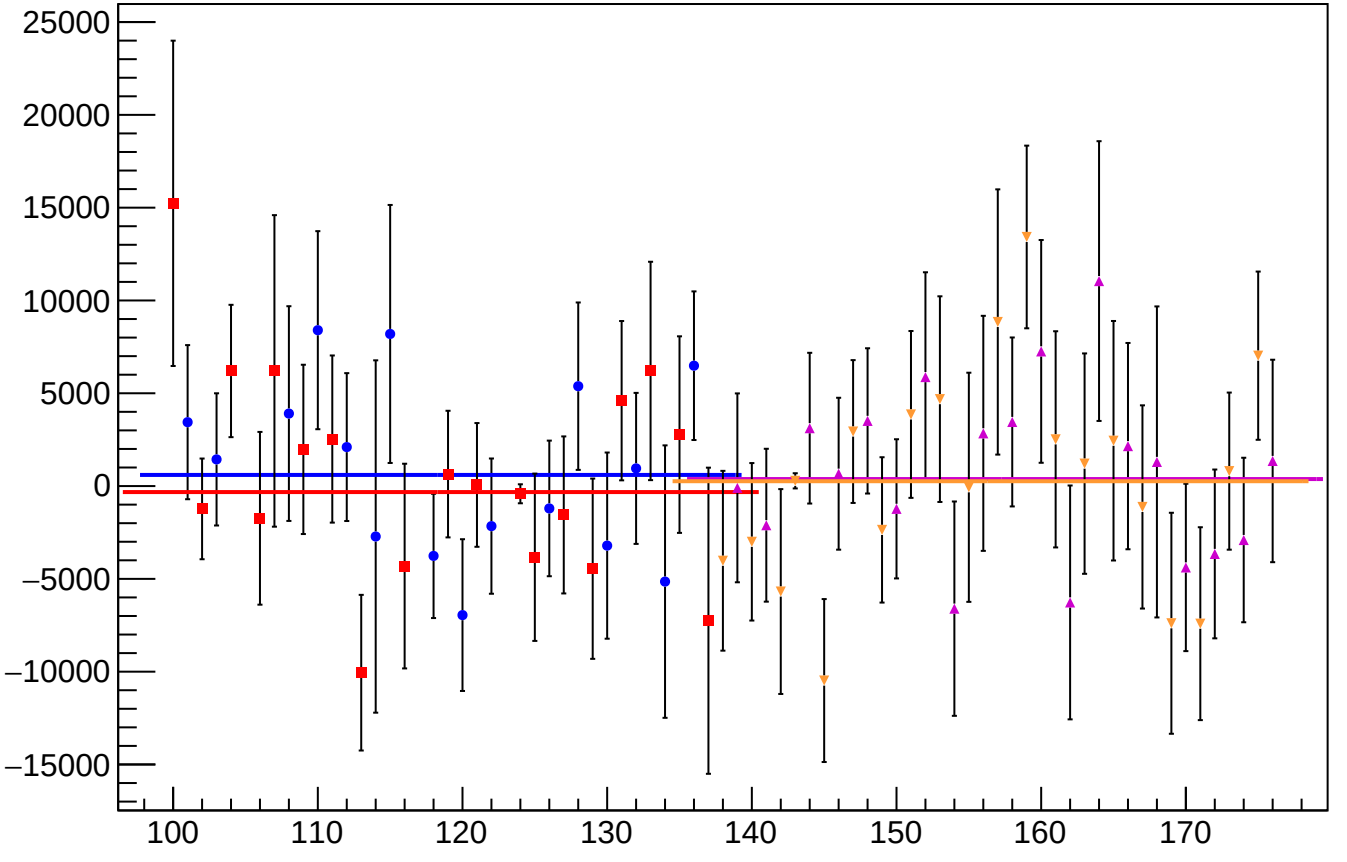
Left In: 1861.811+/-0.334 χ^2/NDF:40004.3/18

+ sign 1840.055+/-0.274 χ^2/NDF: 996251.8/35

All: 1830.779+/-0.192 χ^2/NDF: 1378386.5/73

- sign 1821.708+/-0.271 χ^2/NDF: 379863.3/37

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 261.593+/-385.071 χ^2/NDF:25.8/19

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

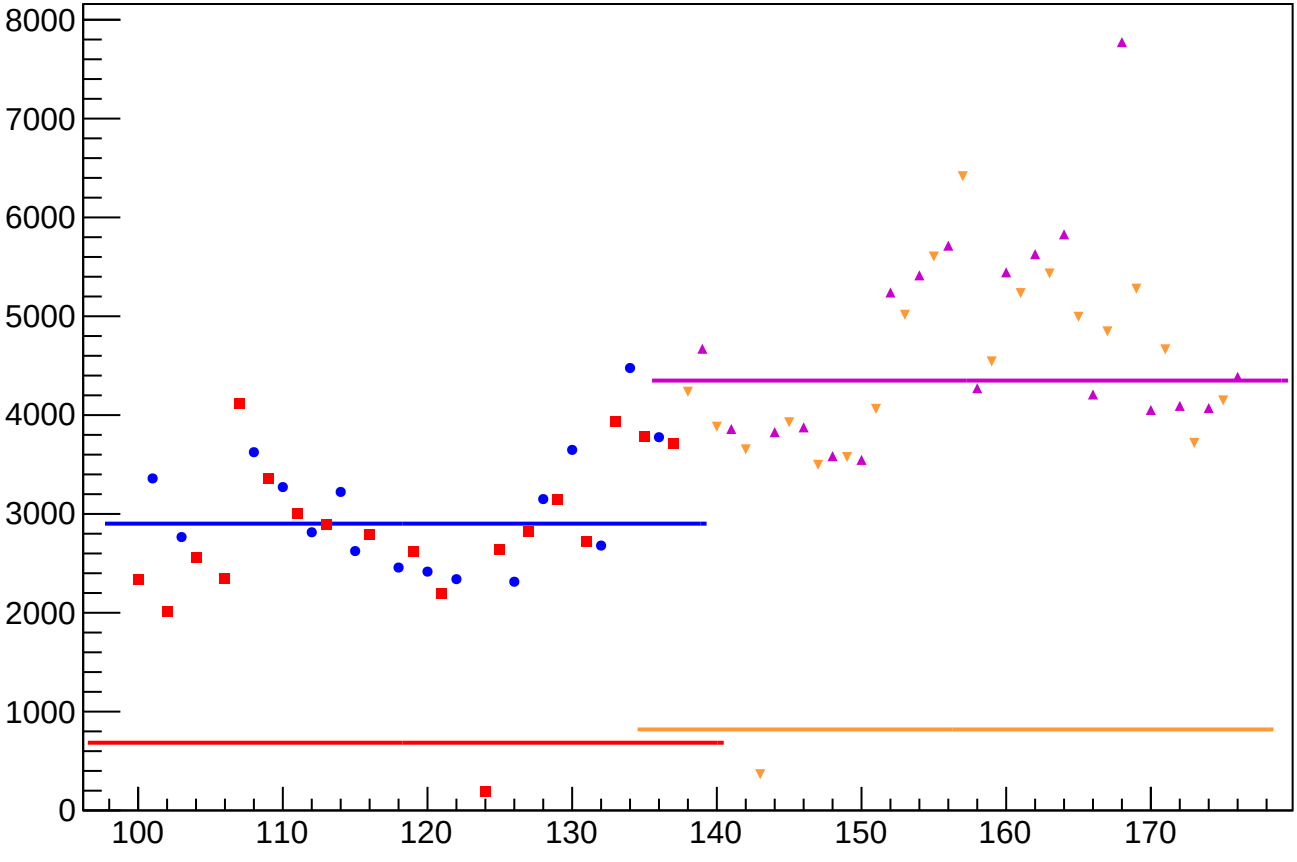
Left In: 377.906+/-1126.371 χ^2/NDF:11.7/18

+ sign 298.551+/-363.450 χ^2/NDF: 40.7/35

All: 78.057+/-276.207 χ^2/NDF: 72.6/73

- sign -223.375+/-424.953 χ^2/NDF: 31.0/37

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 819.550+/-0.272 χ^2/NDF:22248054.9/19

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

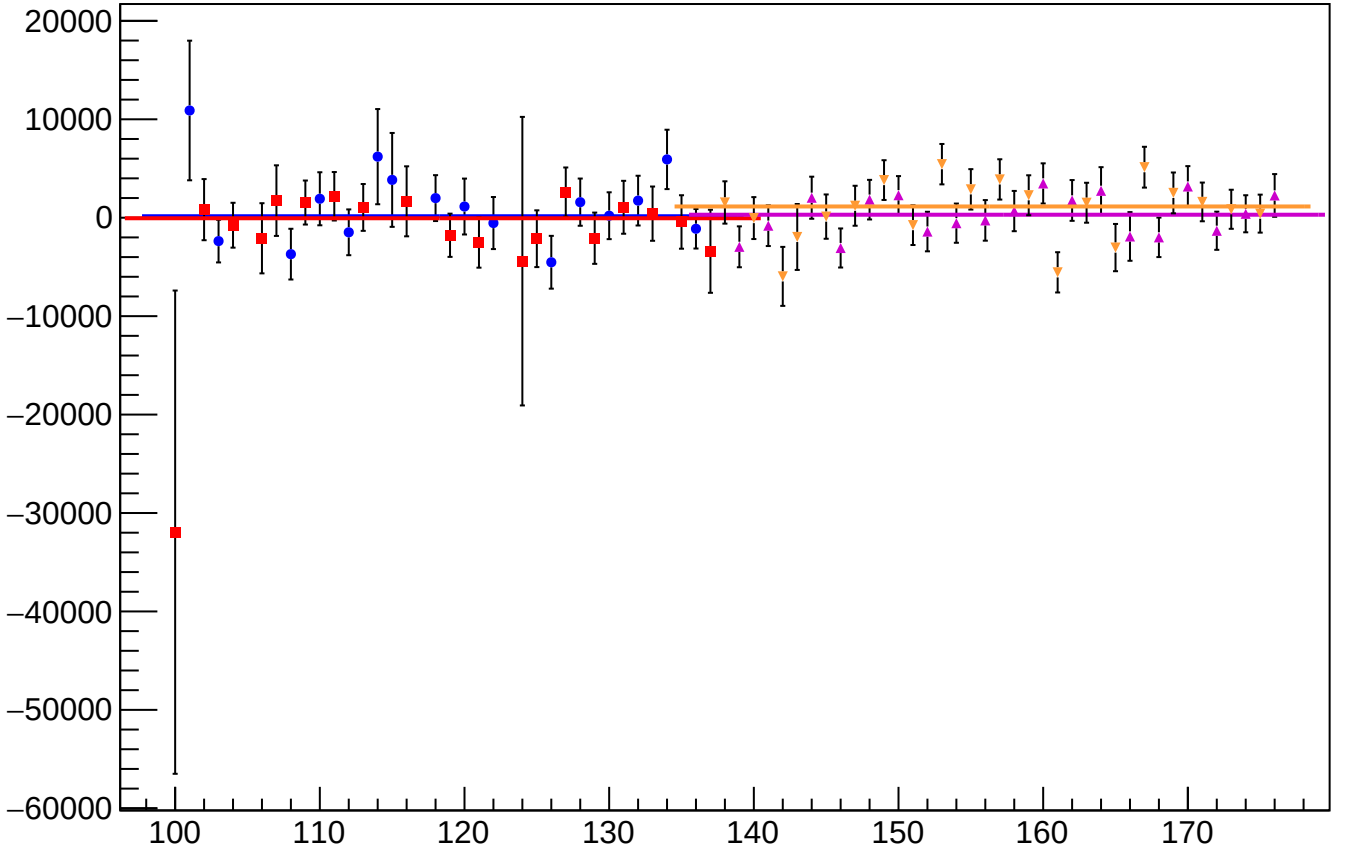
Left In: 4349.410+/-0.796 χ^2/NDF:1059846.7/18

+ sign 1046.824+/-0.257 χ^2/NDF: 29112269.8/35

All: 1114.409+/-0.195 χ^2/NDF: 58593873.5/7

- sign 1206.802+/-0.300 χ^2/NDF: 29317903.7/37

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1143.201+/-475.358 χ^2/NDF:35.0/19

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

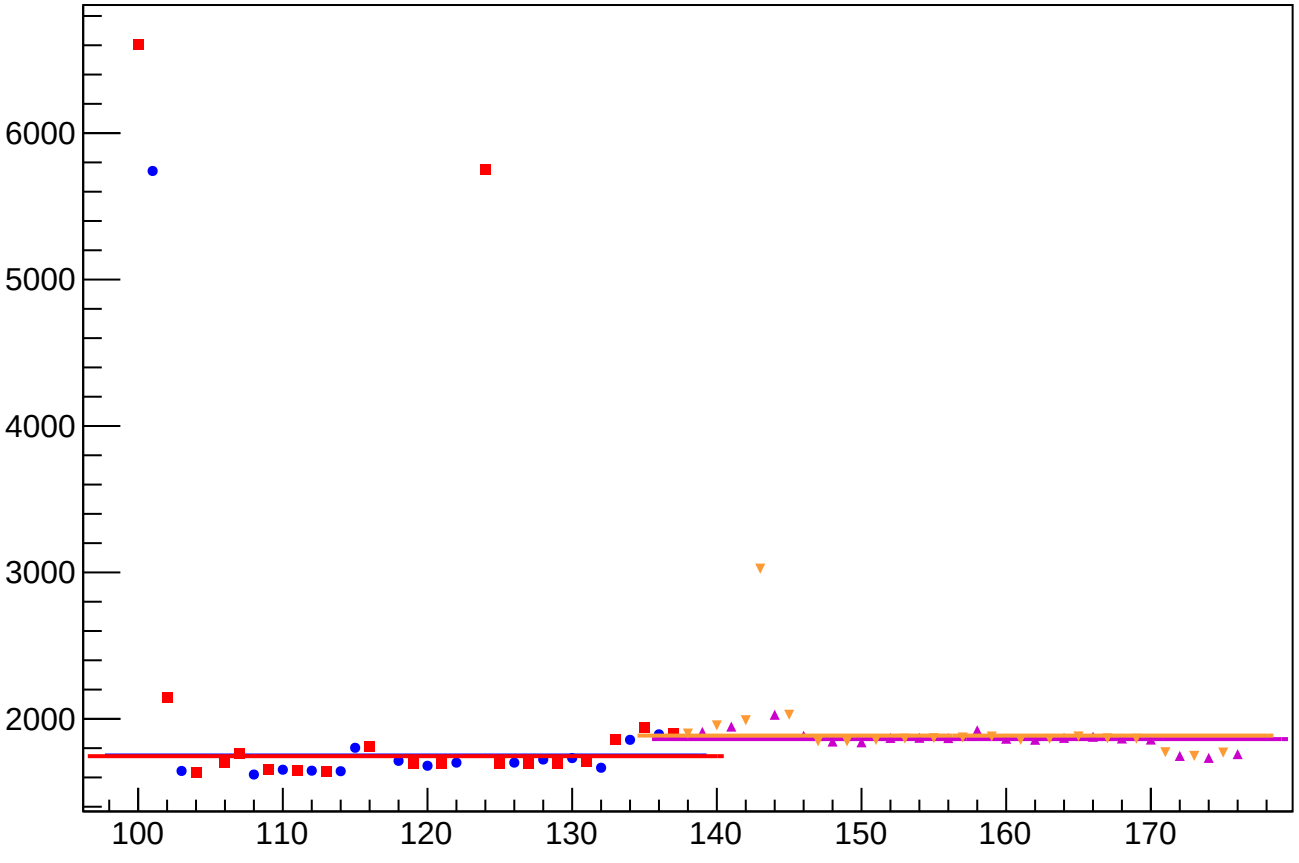
Left In: 304.230+/-472.602 χ^2/NDF:18.4/18

+ sign 808.764+/-387.114 χ^2/NDF: 54.1/35

All: 492.081+/-272.375 χ^2/NDF: 83.1/73

- sign 181.595+/-383.308 χ^2/NDF: 27.6/37

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1885.861+/-0.336 χ^2/NDF:271540.0/19

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

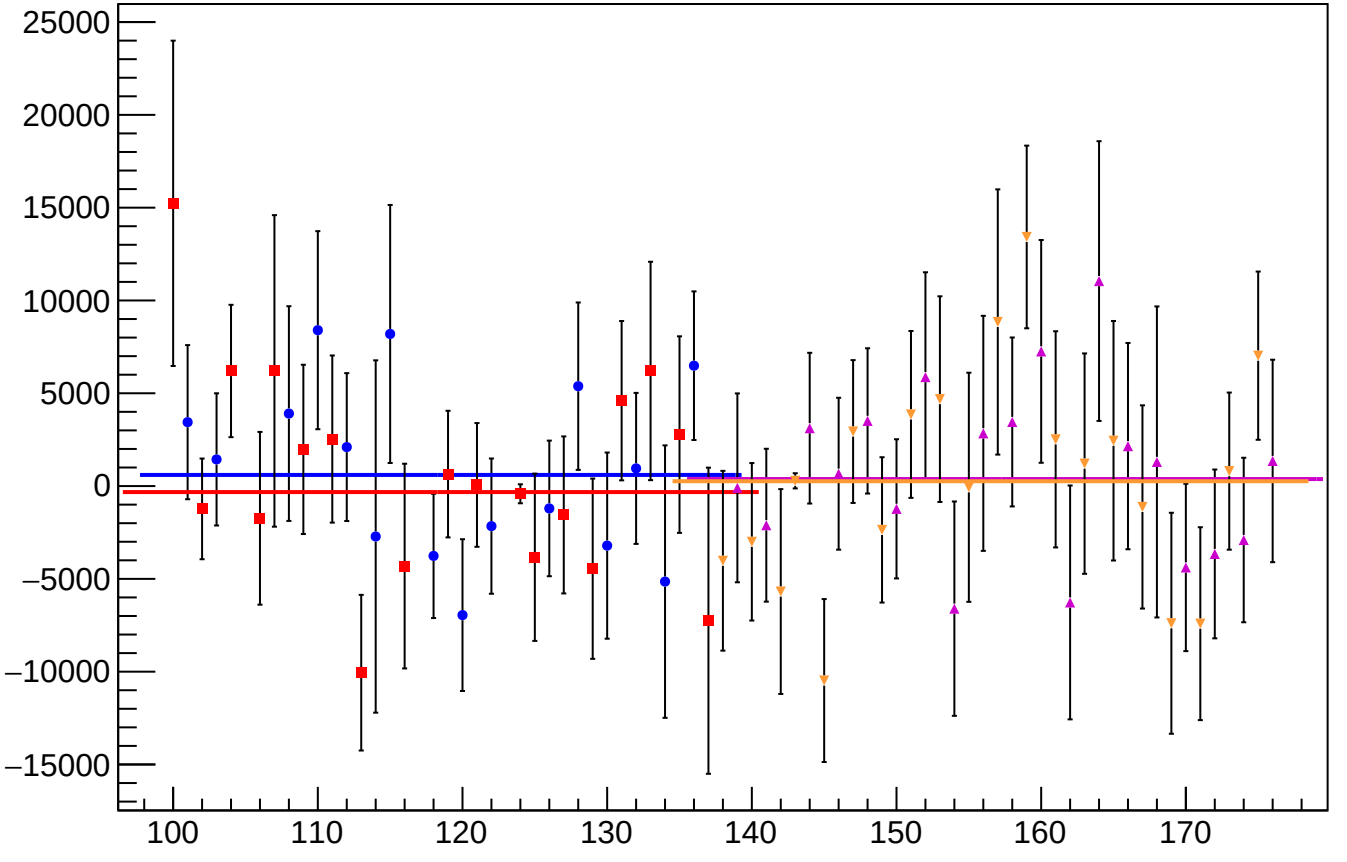
Left In: 1861.811+/-0.334 χ^2/NDF:40004.3/18

+ sign 1840.055+/-0.274 χ^2/NDF: 996251.8/35

All: 1830.779+/-0.192 χ^2/NDF: 1378386.5/73

- sign 1821.708+/-0.271 χ^2/NDF: 379863.3/37

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 261.593+/-385.071 χ^2/NDF:25.8/19

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

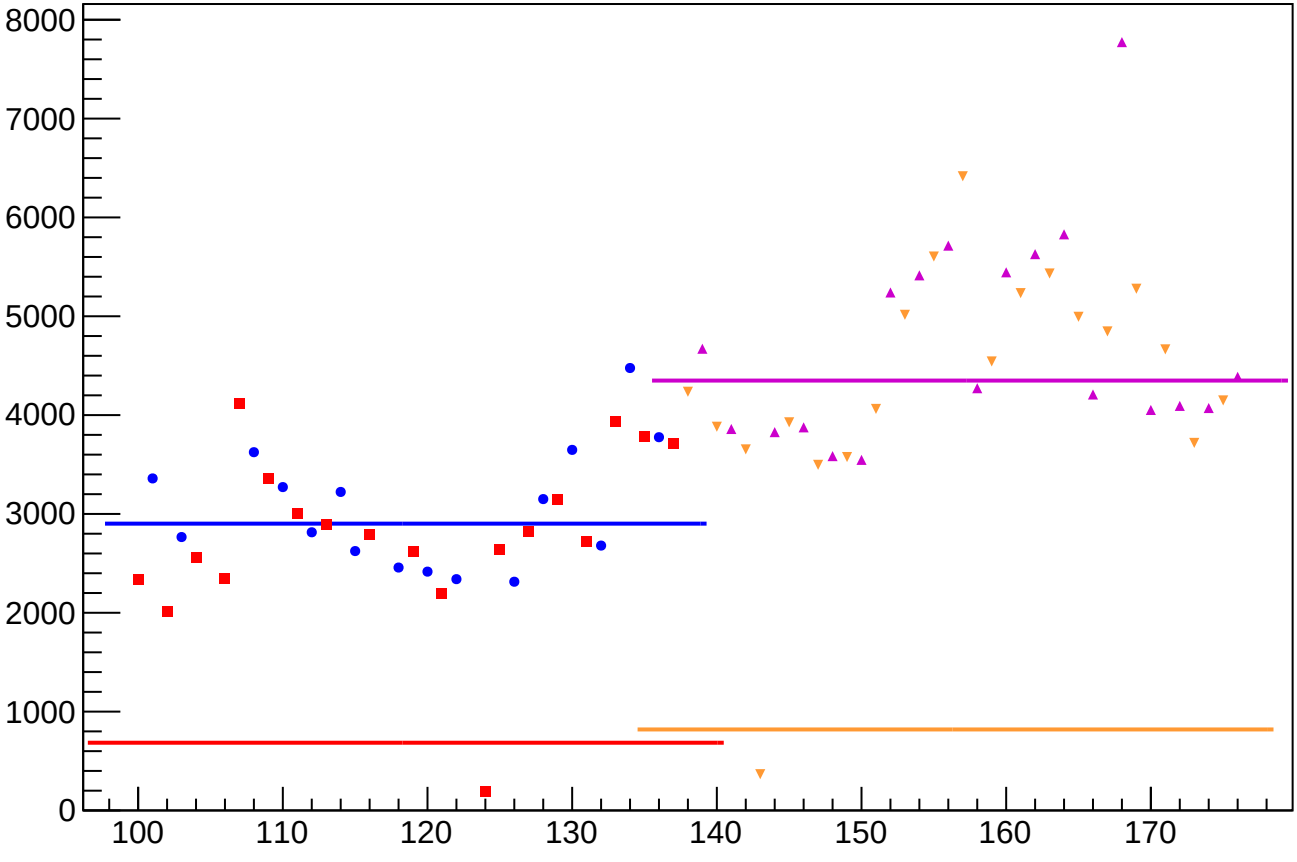
Left In: 377.906+/-1126.371 χ^2/NDF:11.7/18

+ sign 298.551+/-363.450 χ^2/NDF: 40.7/35

All: 78.057+/-276.207 χ^2/NDF: 72.6/73

- sign -223.375+/-424.953 χ^2/NDF: 31.0/37

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 819.550+/-0.272 χ^2/NDF:22248054.9/19

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

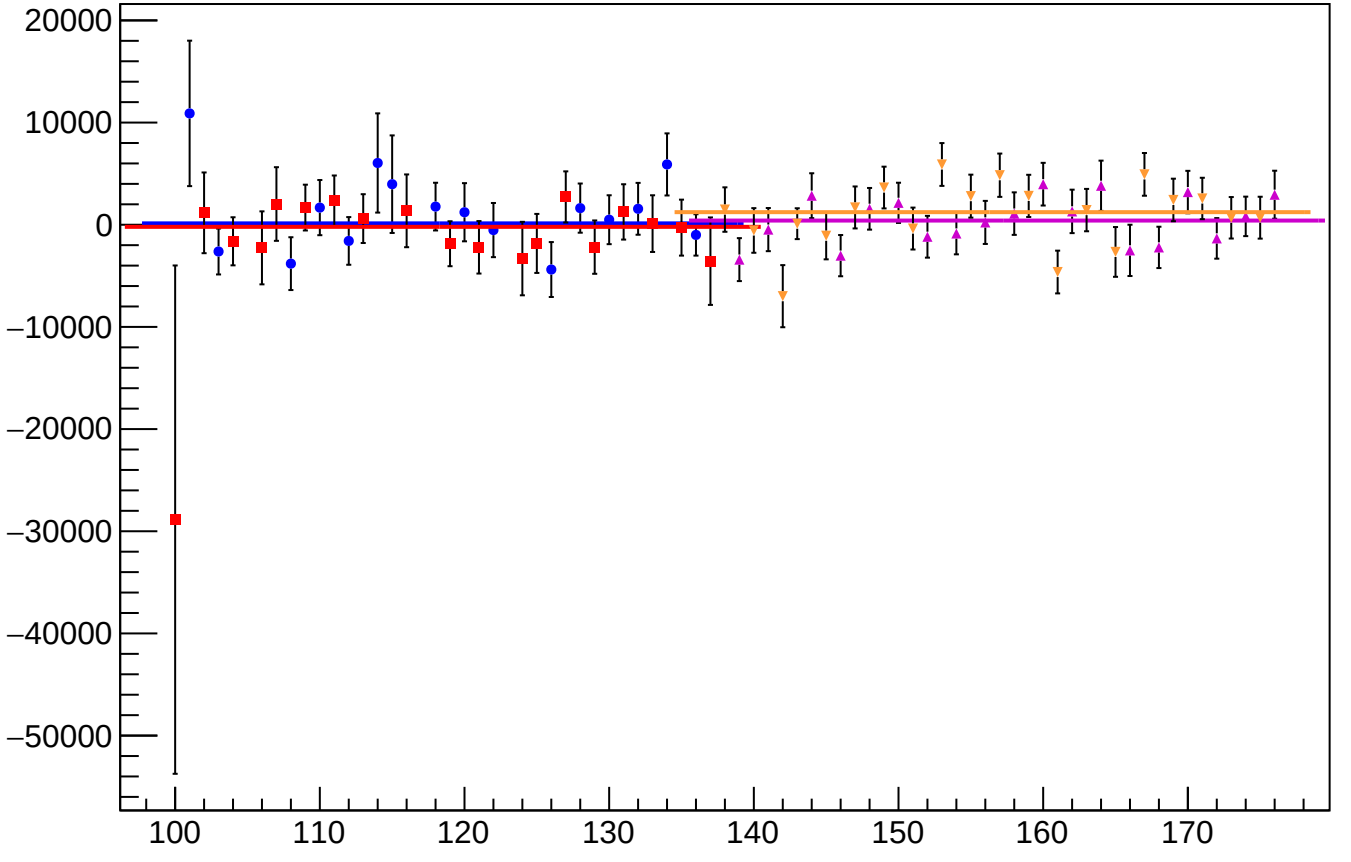
Left In: 4349.410+/-0.796 χ^2/NDF:1059846.7/18

+ sign 1046.824+/-0.257 χ^2/NDF: 29112269.8/35

All: 1114.409+/-0.195 χ^2/NDF: 58593873.5/7

- sign 1206.802+/-0.300 χ^2/NDF: 29317903.7/37

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1232.218+/-466.516 χ^2/NDF:35.1/19

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

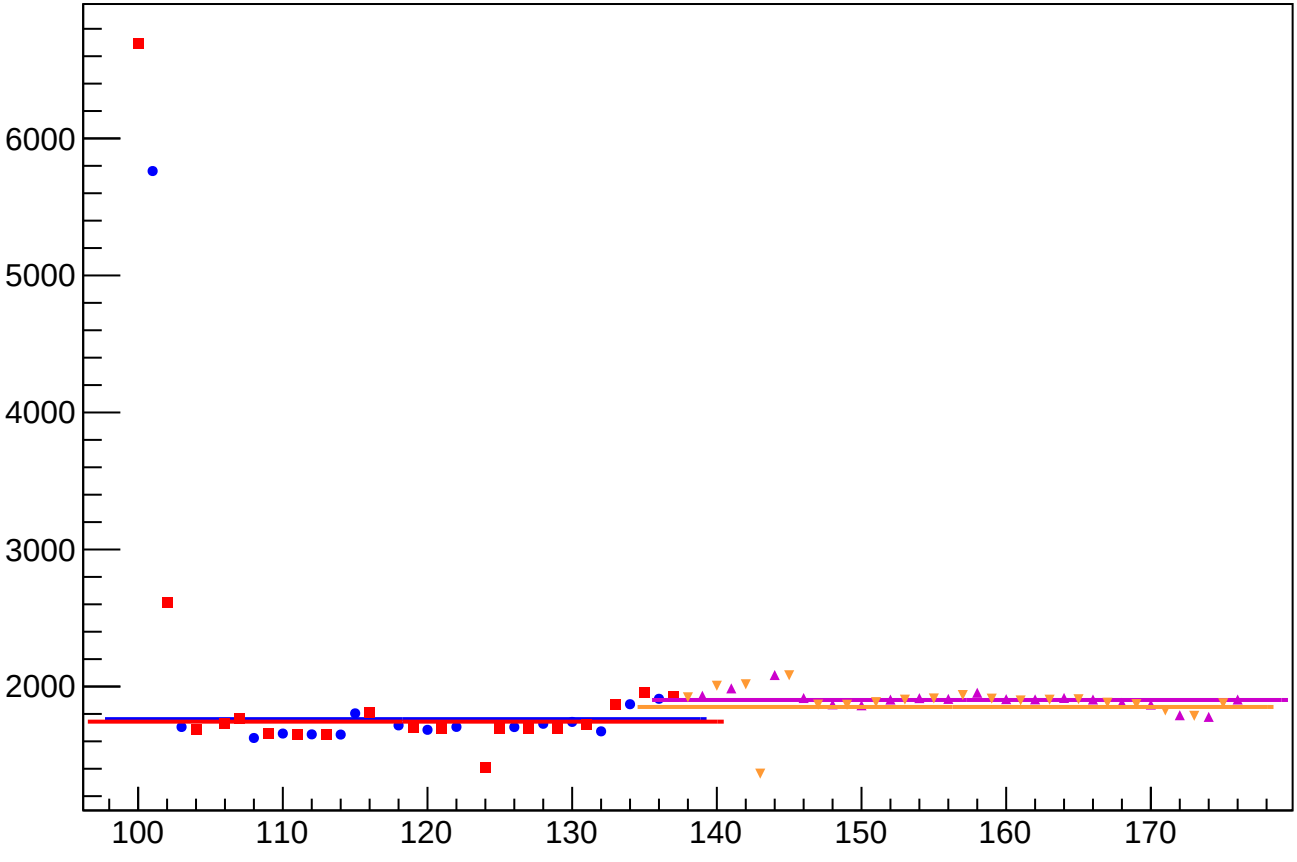
Left In: 409.546+/-482.753 χ^2/NDF:21.6/18

+ sign 874.742+/-383.152 χ^2/NDF: 54.2/35

All: 538.509+/-272.798 χ^2/NDF: 87.6/73

- sign 192.839+/-388.492 χ^2/NDF: 31.9/37

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1850.889+/-0.330 χ^2/NDF:261510.6/19

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

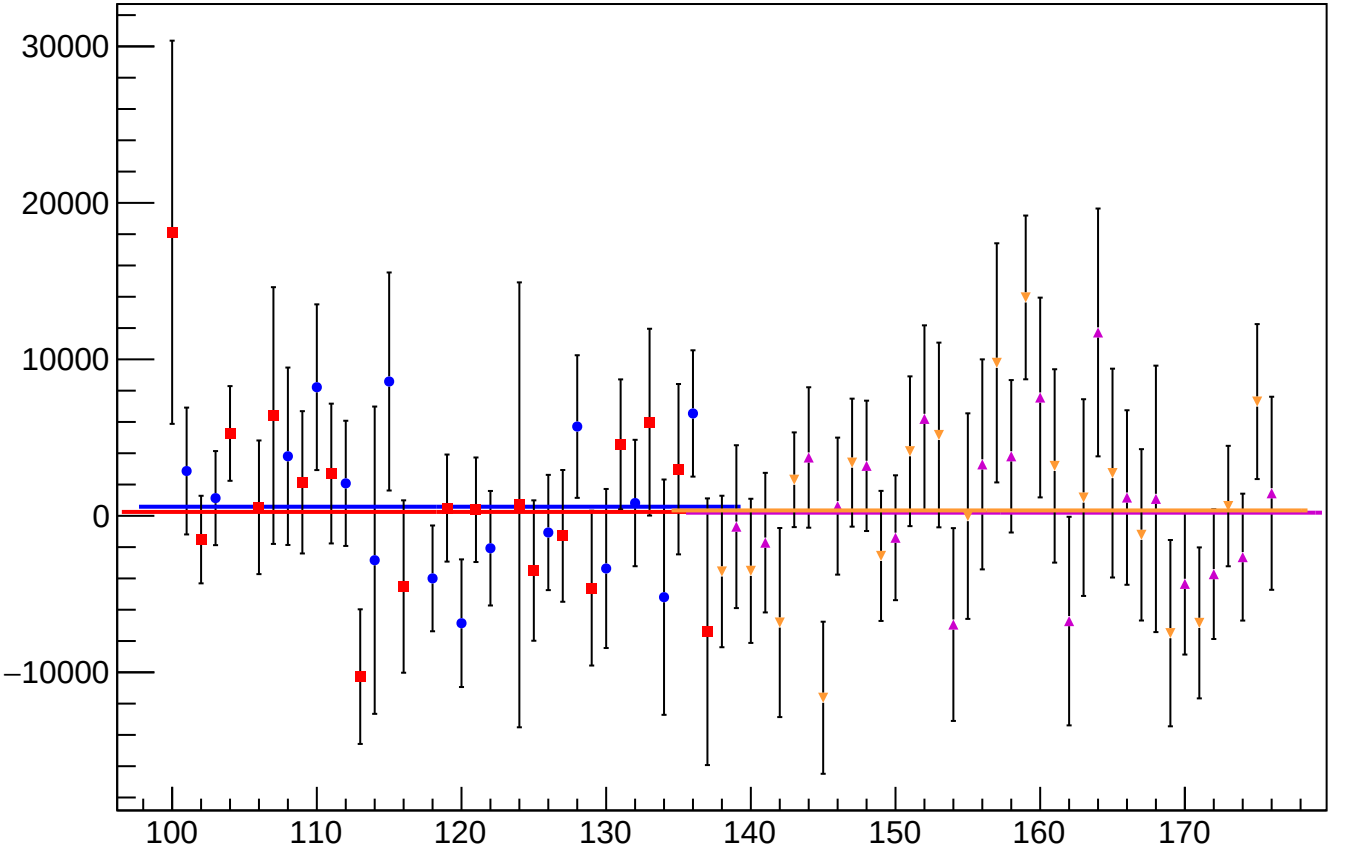
Left In: 1901.885+/-0.341 χ^2/NDF:35415.0/18

+ sign 1821.977+/-0.271 χ^2/NDF: 952811.1/35

All: 1833.806+/-0.193 χ^2/NDF: 1295782.7/73

- sign 1845.943+/-0.274 χ^2/NDF: 339109.3/37

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 345.320+/-1102.746 χ^2/NDF:26.3/19

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

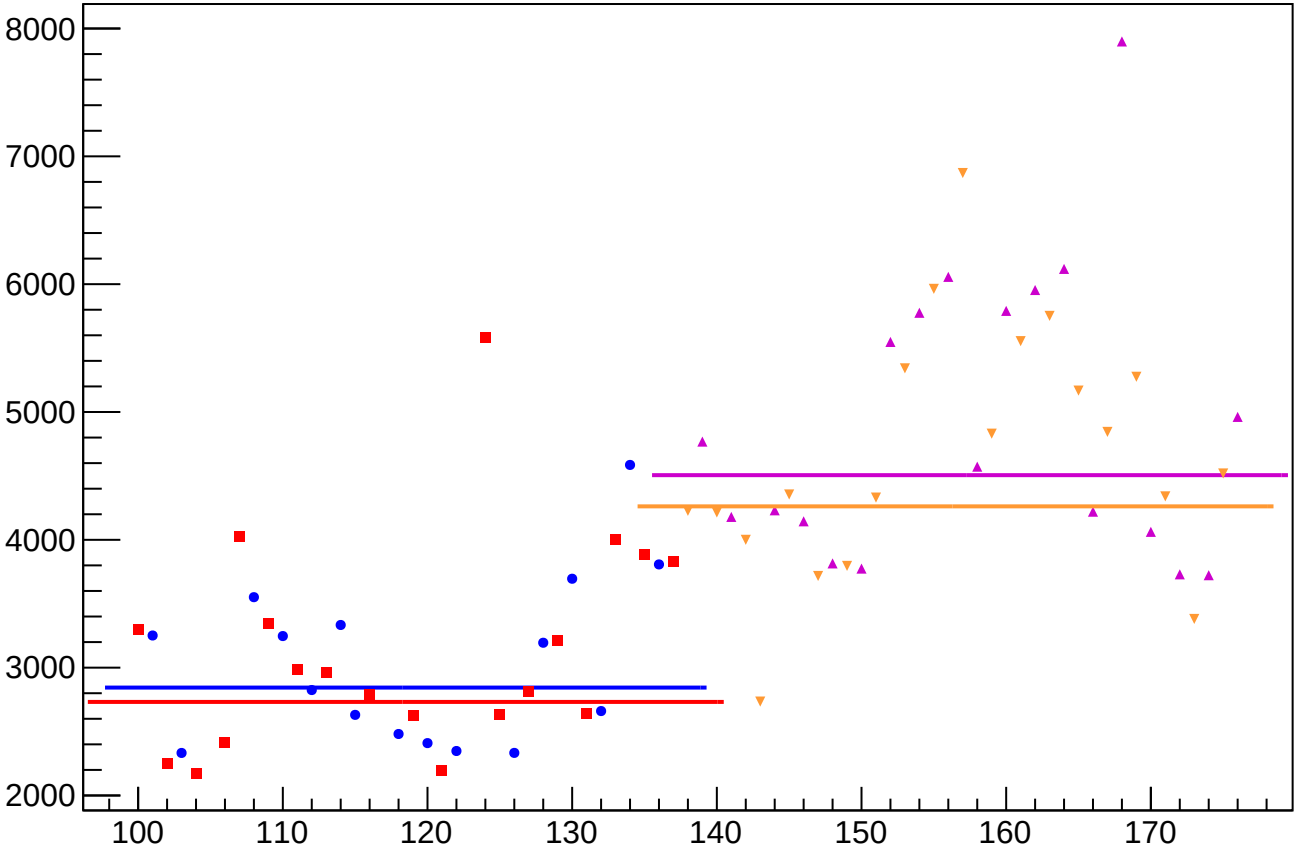
Left In: 201.662+/-1169.318 χ^2/NDF:11.6/18

\+ sign 466.078+/-772.131 χ^2/NDF: 41.1/35

All: 347.179+/-544.900 χ^2/NDF: 70.8/73

\- sign 229.216+/-769.088 χ^2/NDF: 29.6/37

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4261.780+/-0.780 χ^2/NDF:1460633.4/19

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

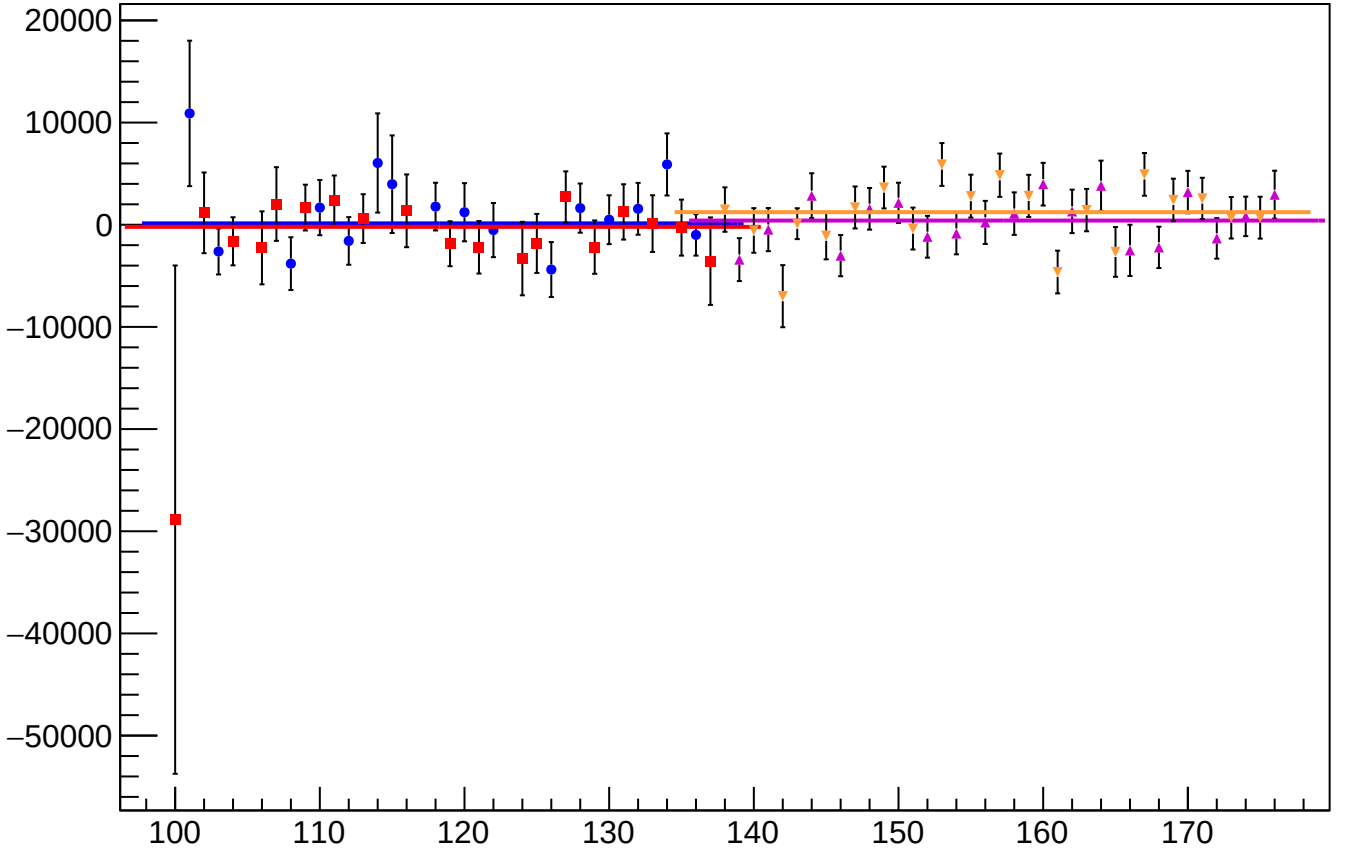
Left In: 4505.903+/-0.827 χ^2/NDF:1168252.0/18

\+ sign 3539.166+/-0.546 χ^2/NDF: 3687462.0/35

All: 3519.193+/-0.385 χ^2/NDF: 8081366.6/73

\- sign 3499.378+/-0.544 χ^2/NDF: 4391238.8/37

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1232.219+/-466.516 χ^2/NDF:35.1/19

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

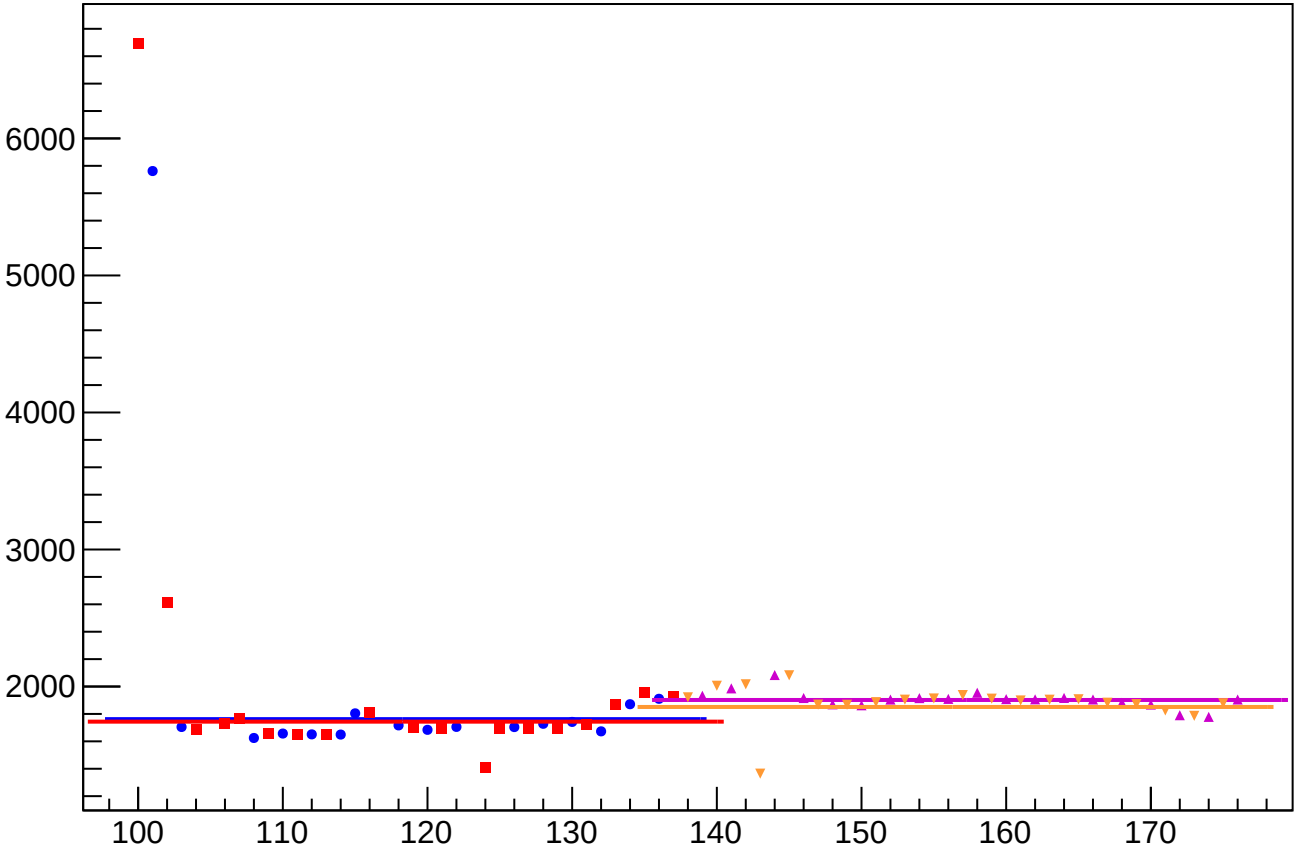
Left In: 409.547+/-482.753 χ^2/NDF:21.6/18

+ sign 874.742+/-383.152 χ^2/NDF: 54.2/35

All: 538.510+/-272.798 χ^2/NDF: 87.6/73

- sign 192.840+/-388.492 χ^2/NDF: 31.9/37

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1850.890+/-0.330 χ^2/NDF:261512.2/19

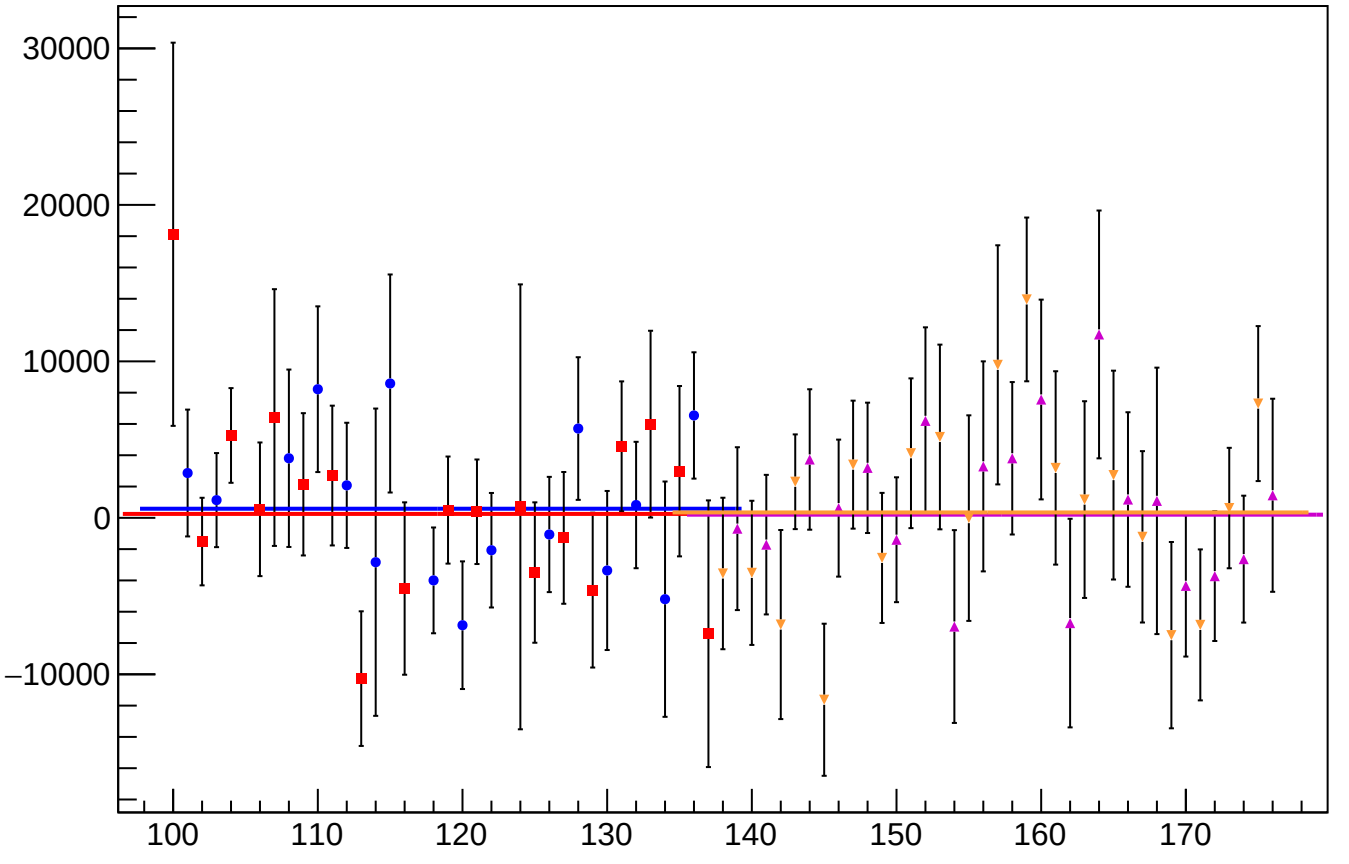
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1901.886+/-0.341 χ^2/NDF:35416.2/18

+ sign 1821.977+/-0.271 χ^2/NDF: 952812.9/35

All: 1833.806+/-0.193 χ^2/NDF: 1295786.4/73

- sign 1845.943+/-0.274 χ^2/NDF: 339111.1/37



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 345.324+/-1102.748 χ^2/NDF:26.3/19

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

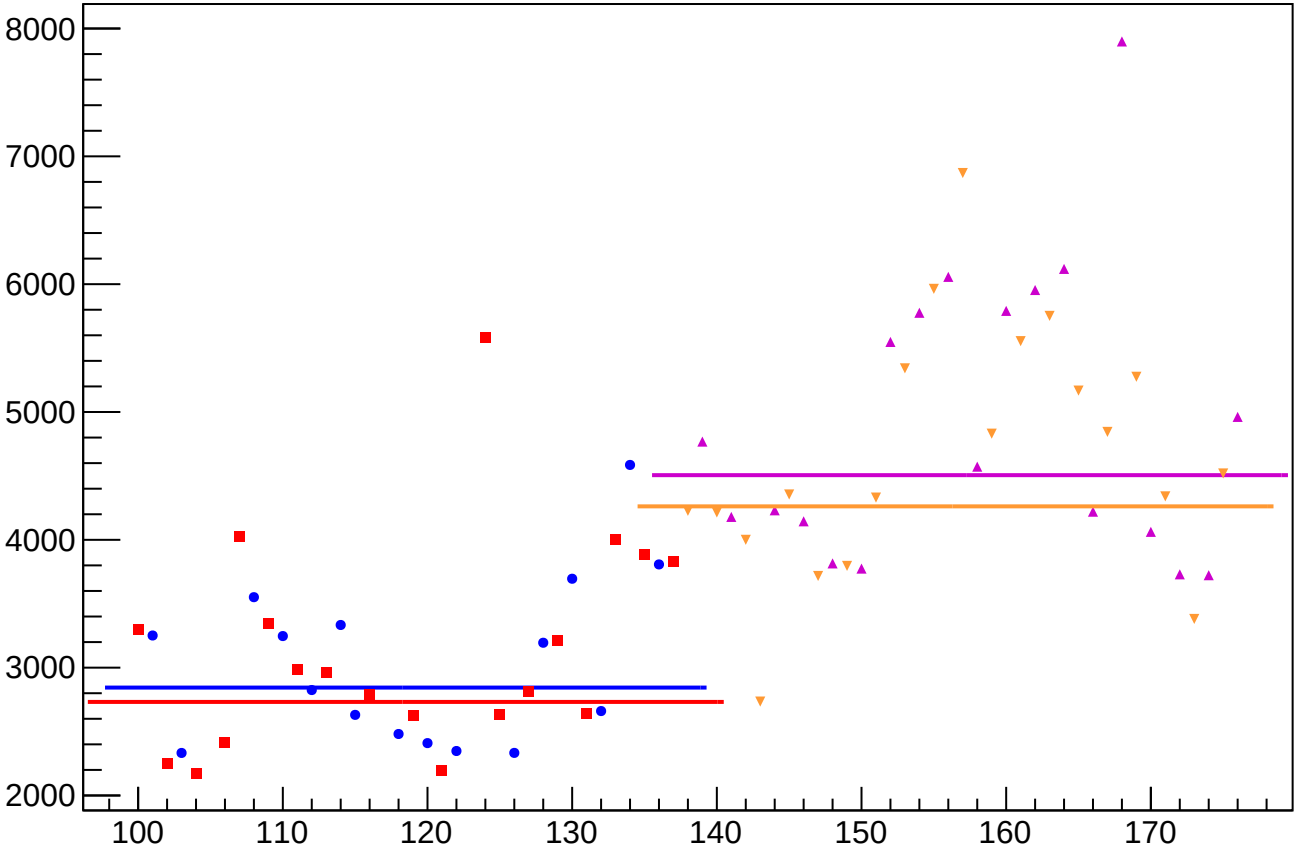
Left In: 201.663+/-1169.320 χ^2/NDF:11.6/18

+ sign 466.078+/-772.131 χ^2/NDF: 41.1/35

All: 347.180+/-544.900 χ^2/NDF: 70.8/73

- sign 229.217+/-769.087 χ^2/NDF: 29.6/37

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4261.787+/-0.780 χ^2/NDF:1460636.8/19

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

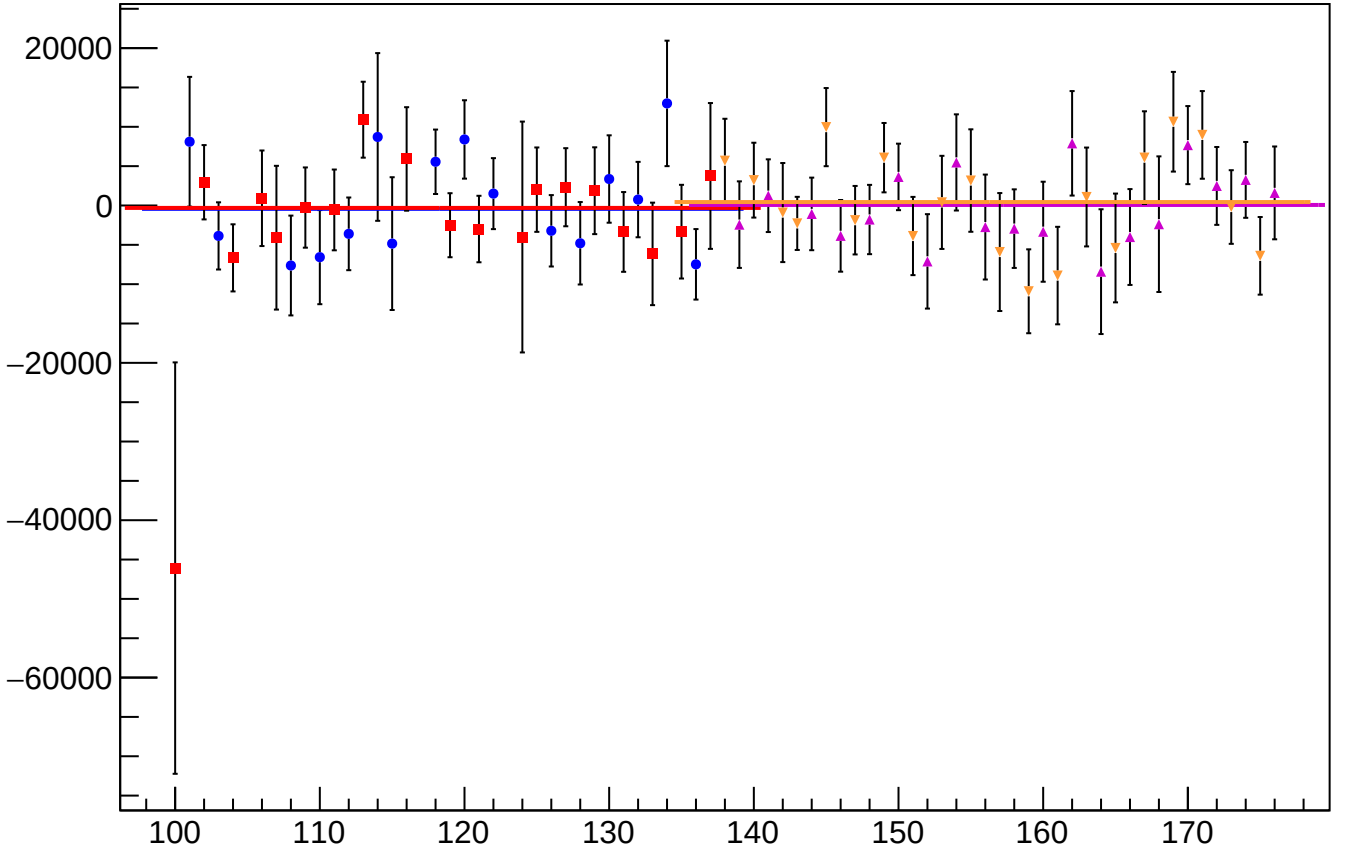
Left In: 4505.911+/-0.827 χ^2/NDF:1168251.6/18

\+ sign 3539.162+/-0.546 χ^2/NDF: 3687504.7/35

All: 3519.190+/-0.385 χ^2/NDF: 8081445.5/73

\- sign 3499.374+/-0.544 χ^2/NDF: 4391275.0/37

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 437.481+/-1172.274 χ^2/NDF:24.6/19

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

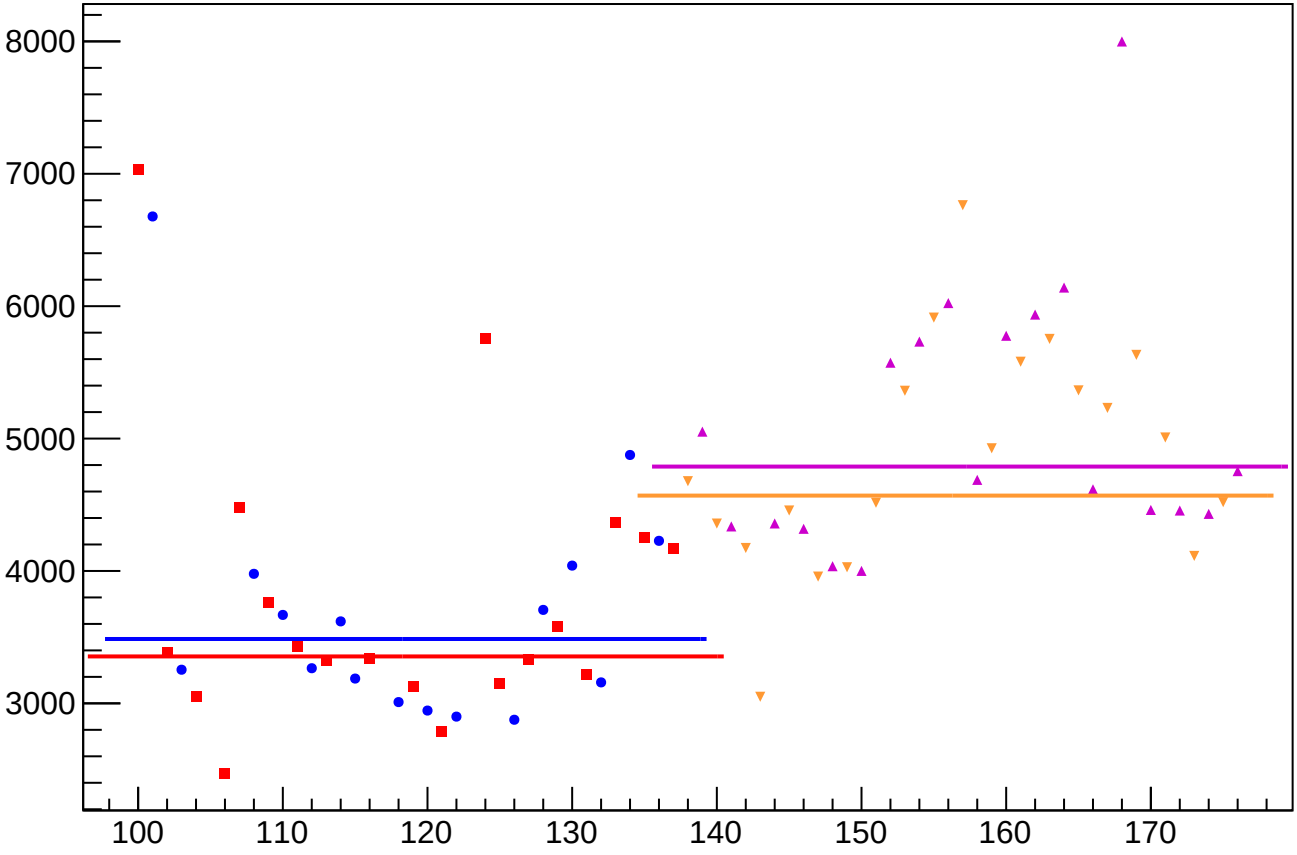
Left In: 68.430+/-1233.966 χ^2/NDF:11.2/18

+ sign 60.333+/-878.633 χ^2/NDF: 42.7/35

All: -25.735+/-624.203 χ^2/NDF: 69.2/73

- sign -113.439+/-886.939 χ^2/NDF: 26.5/37

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4569.268+/-0.829 χ^2/NDF:1053934.4/19

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

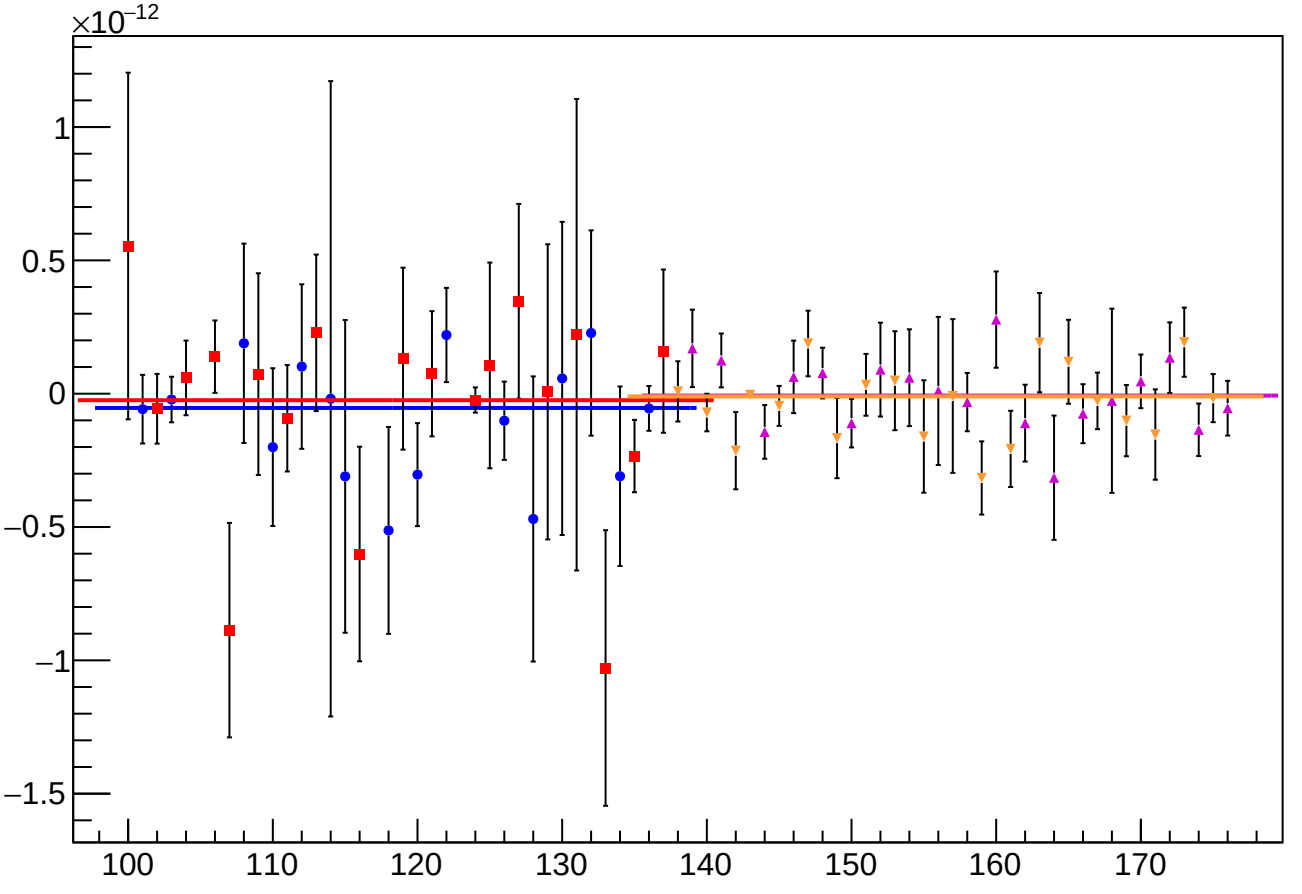
Left In: 4788.468+/-0.873 χ^2/NDF:815745.6/18

+ sign 4094.617+/-0.621 χ^2/NDF: 2397921.0/35

All: 4089.940+/-0.440 χ^2/NDF: 4914799.4/73

- sign 4085.239+/-0.623 χ^2/NDF: 2516764.7/37

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

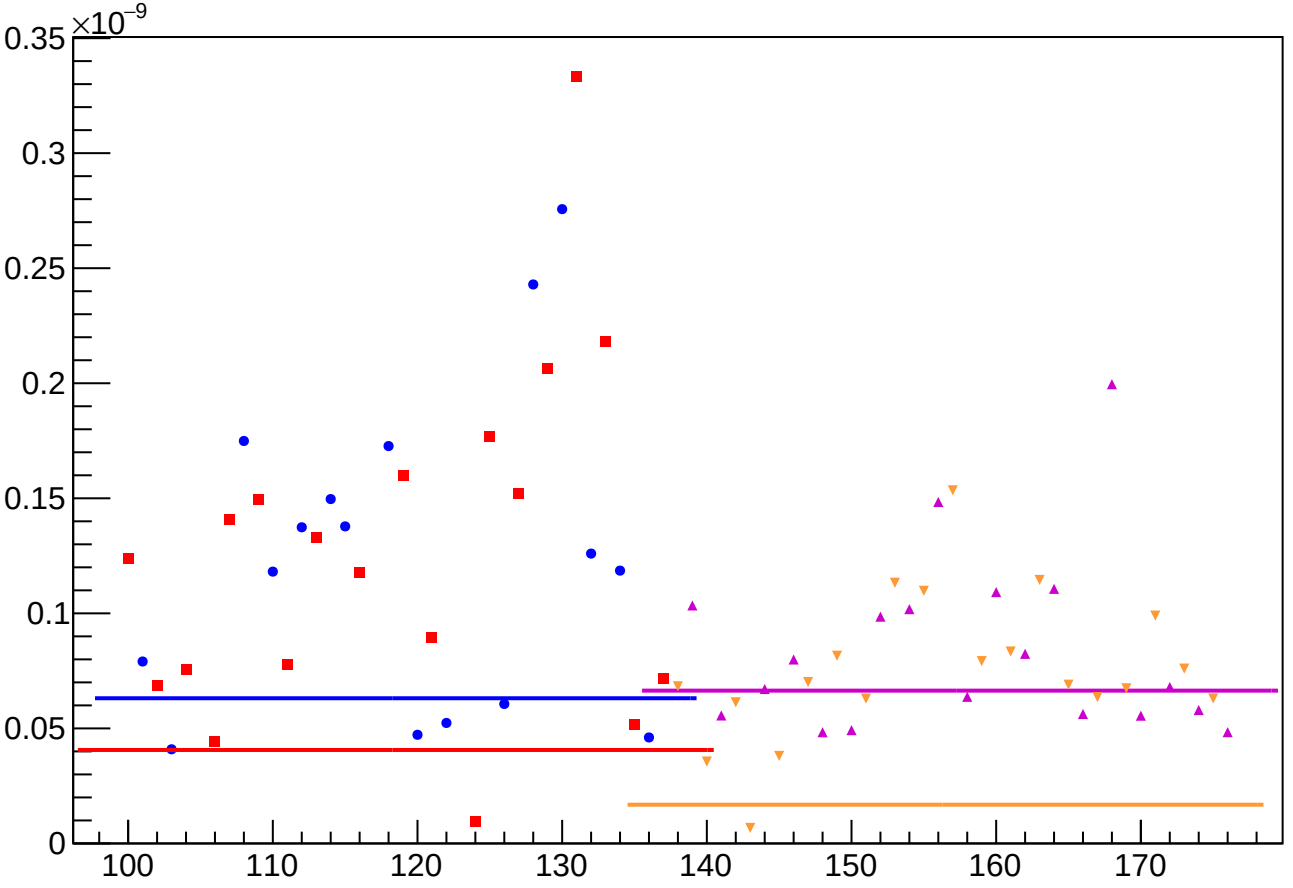
Left In: -0.000+/-0.000 χ^2/NDF:16.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/35

All: -0.000+/-0.000 χ^2/NDF: 64.3/73

- sign -0.000+/-0.000 χ^2/NDF: 34.9/37

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8271773.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

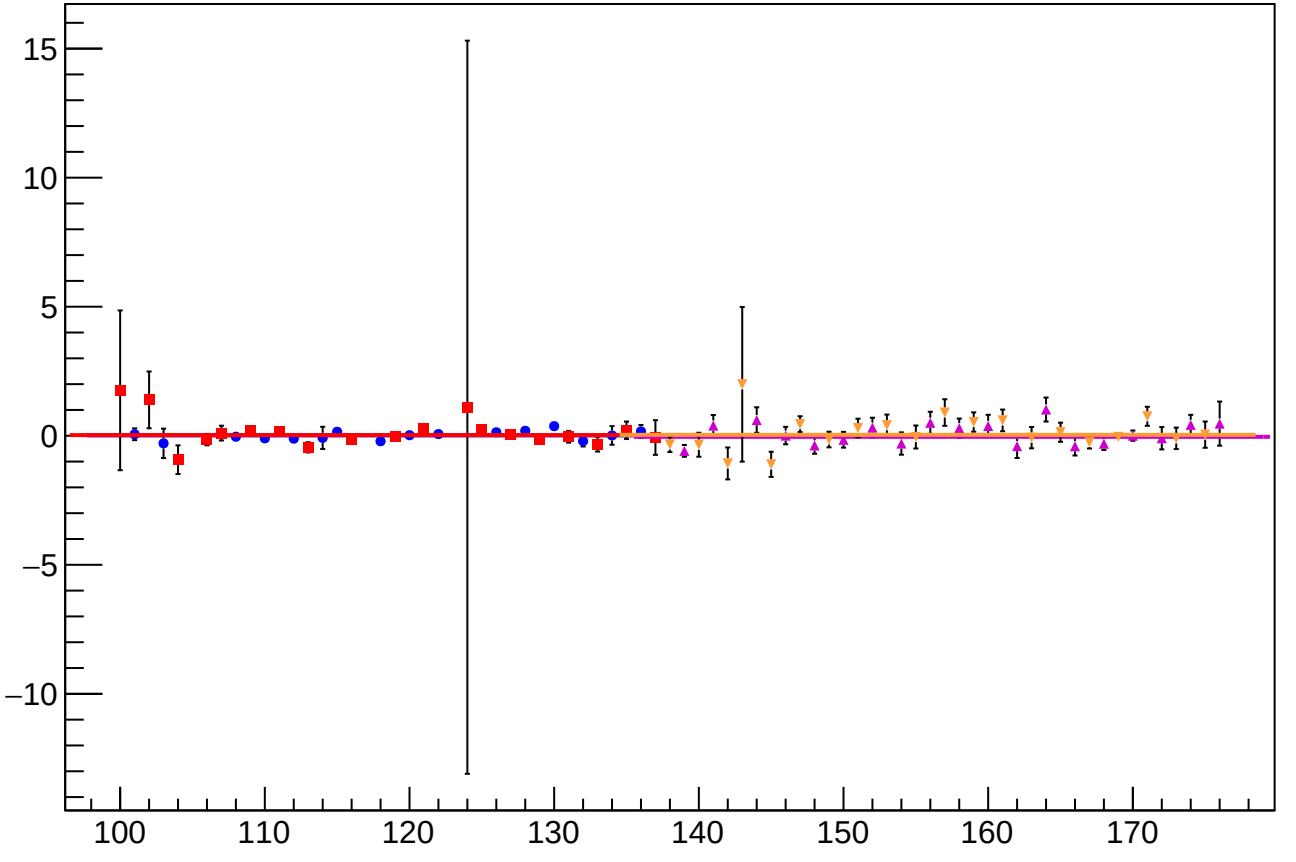
Left In: 0.000+/-0.000 χ^2/NDF:1258555.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 11728098.9/35

All: 0.000+/-0.000 χ^2/NDF: 21067273.6/73

- sign 0.000+/-0.000 χ^2/NDF: 5067562.7/37

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.079 χ^2/NDF:26.9/19

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

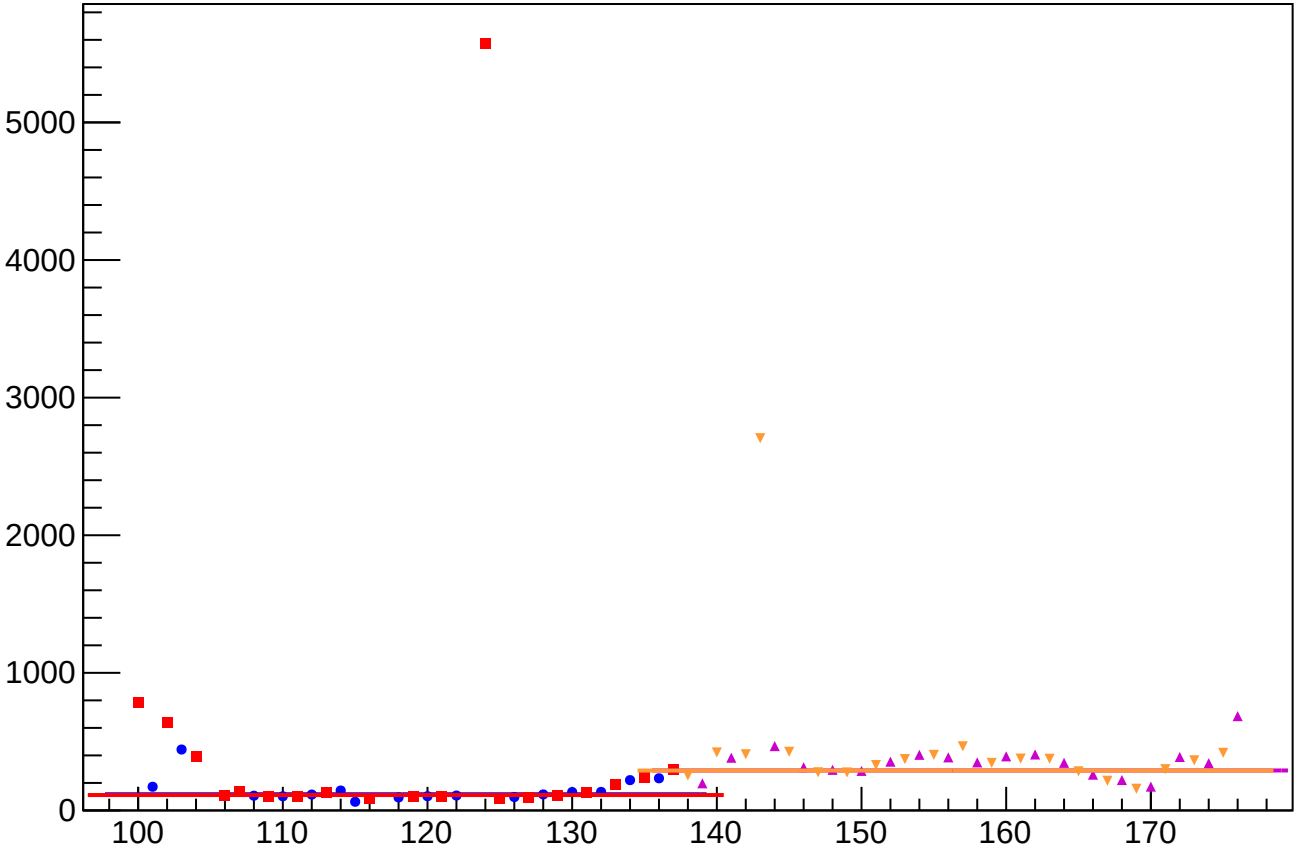
Left In: -0.042+/-0.079 χ^2/NDF:24.3/18

+ sign 0.021+/-0.041 χ^2/NDF: 38.8/35

All: 0.014+/-0.029 χ^2/NDF: 85.7/73

- sign 0.008+/-0.040 χ^2/NDF: 46.9/37

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 289.974+/-0.056 χ^2/NDF:3909390.9/19

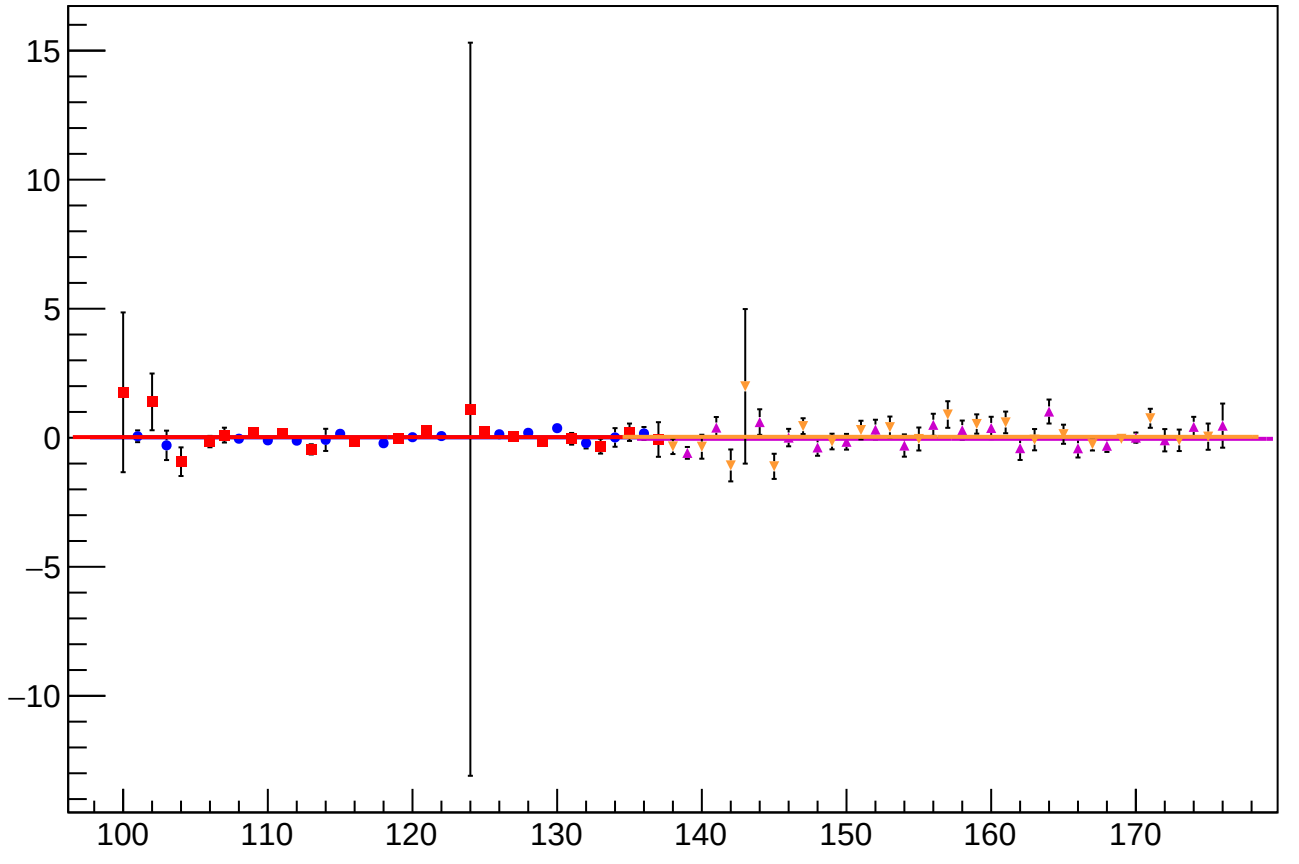
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 290.588+/-0.056 χ^2/NDF:2778160.9/18

+ sign 163.609+/-0.029 χ^2/NDF: 12537359.0/35

All: 161.238+/-0.020 χ^2/NDF: 25133254.2/73

- sign 158.957+/-0.028 χ^2/NDF: 12582784.8/37



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.079 χ^2/NDF:26.9/19

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

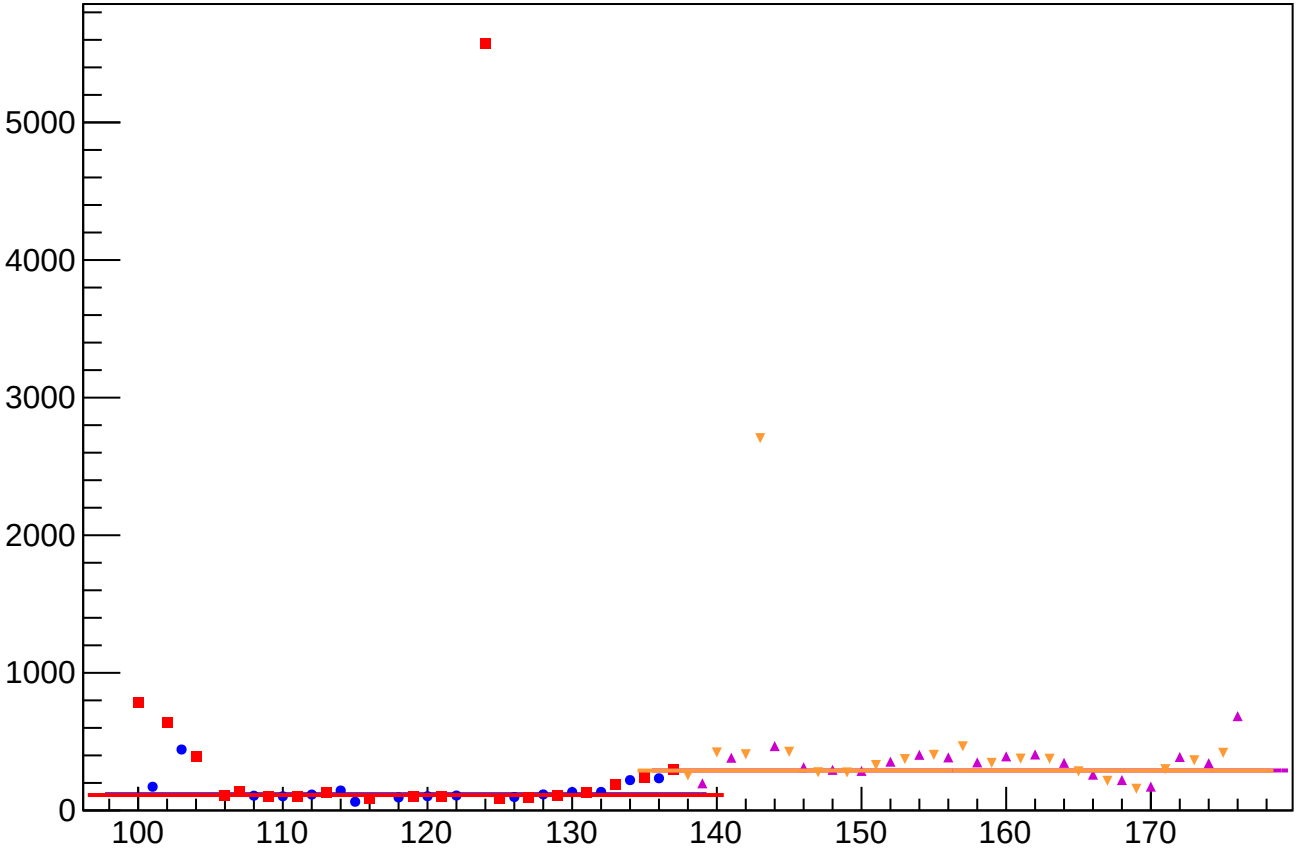
Left In: -0.042+/-0.079 χ^2/NDF:24.3/18

+ sign 0.021+/-0.041 χ^2/NDF: 38.8/35

All: 0.014+/-0.029 χ^2/NDF: 85.7/73

- sign 0.008+/-0.040 χ^2/NDF: 46.9/37

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: 289.974+/-0.056 χ^2/NDF:3909390.9/19

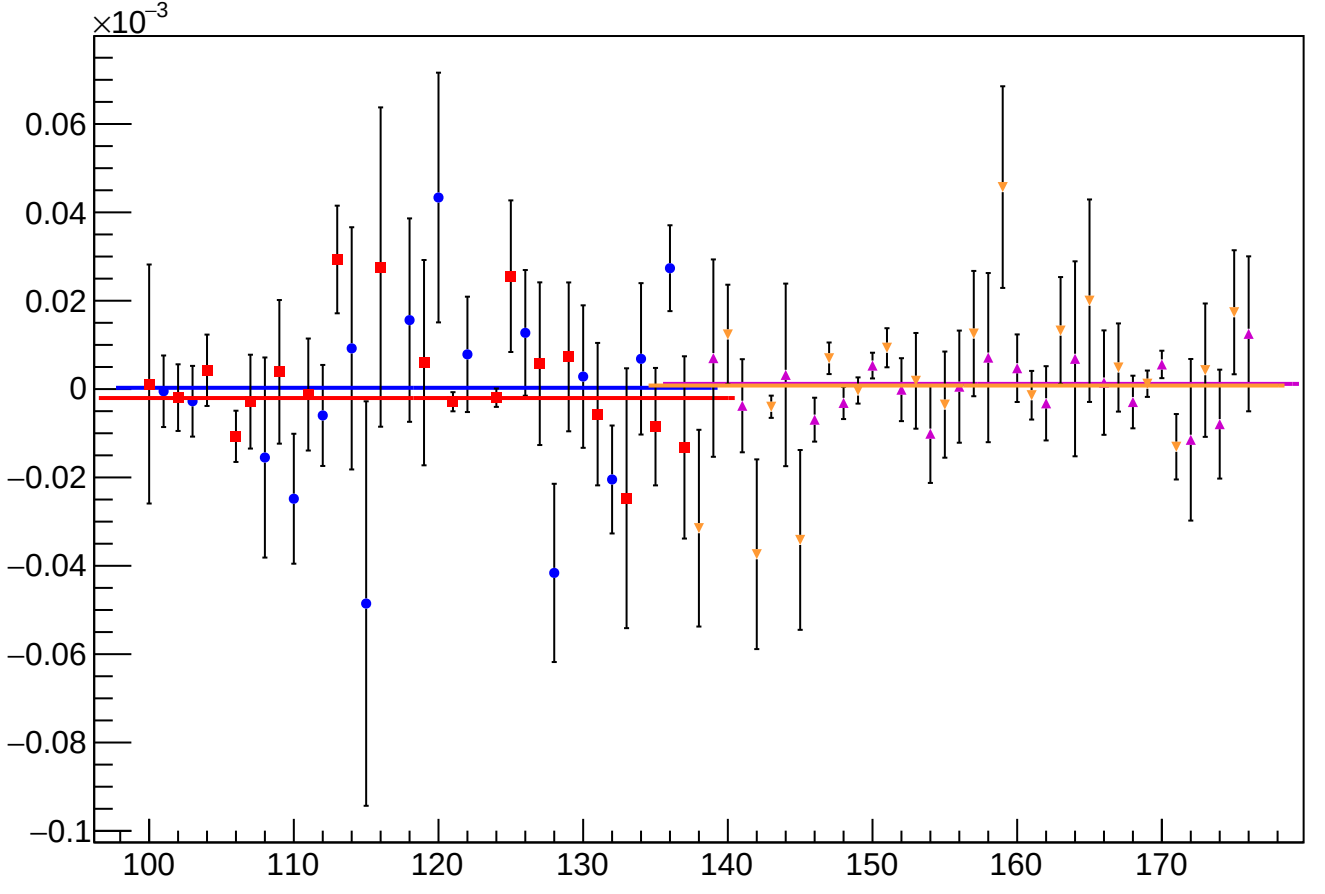
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 290.588+/-0.056 χ^2/NDF:2778160.9/18

+ sign 163.609+/-0.029 χ^2/NDF: 12537359.0/35

All: 161.238+/-0.020 χ^2/NDF: 25133254.2/73

- sign 158.957+/-0.028 χ^2/NDF: 12582784.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

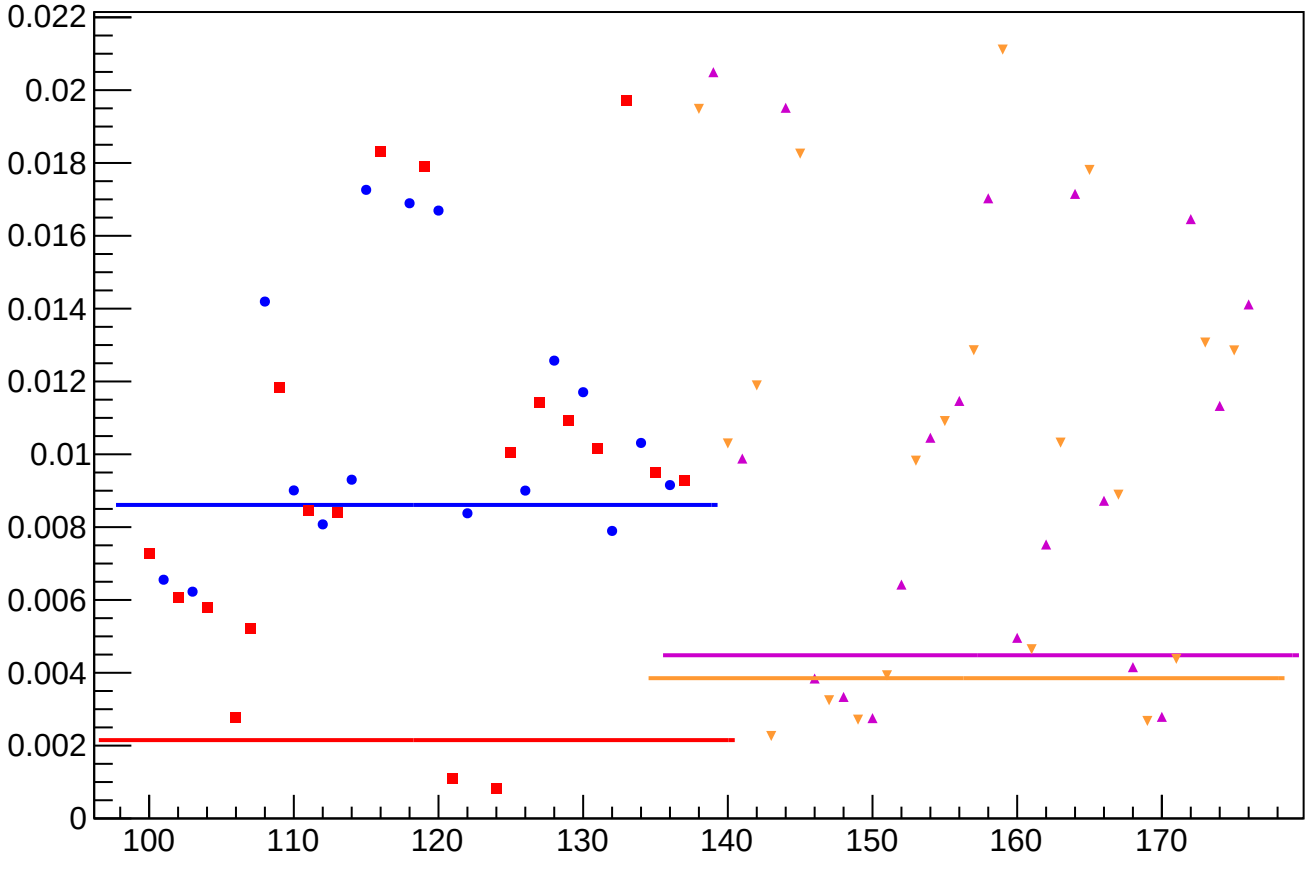
Left In: 0.000+/-0.000 χ^2/NDF:12.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 55.6/35

All: -0.000+/-0.000 χ^2/NDF: 85.8/73

- sign -0.000+/-0.000 χ^2/NDF: 29.4/37

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:11072566.2/19

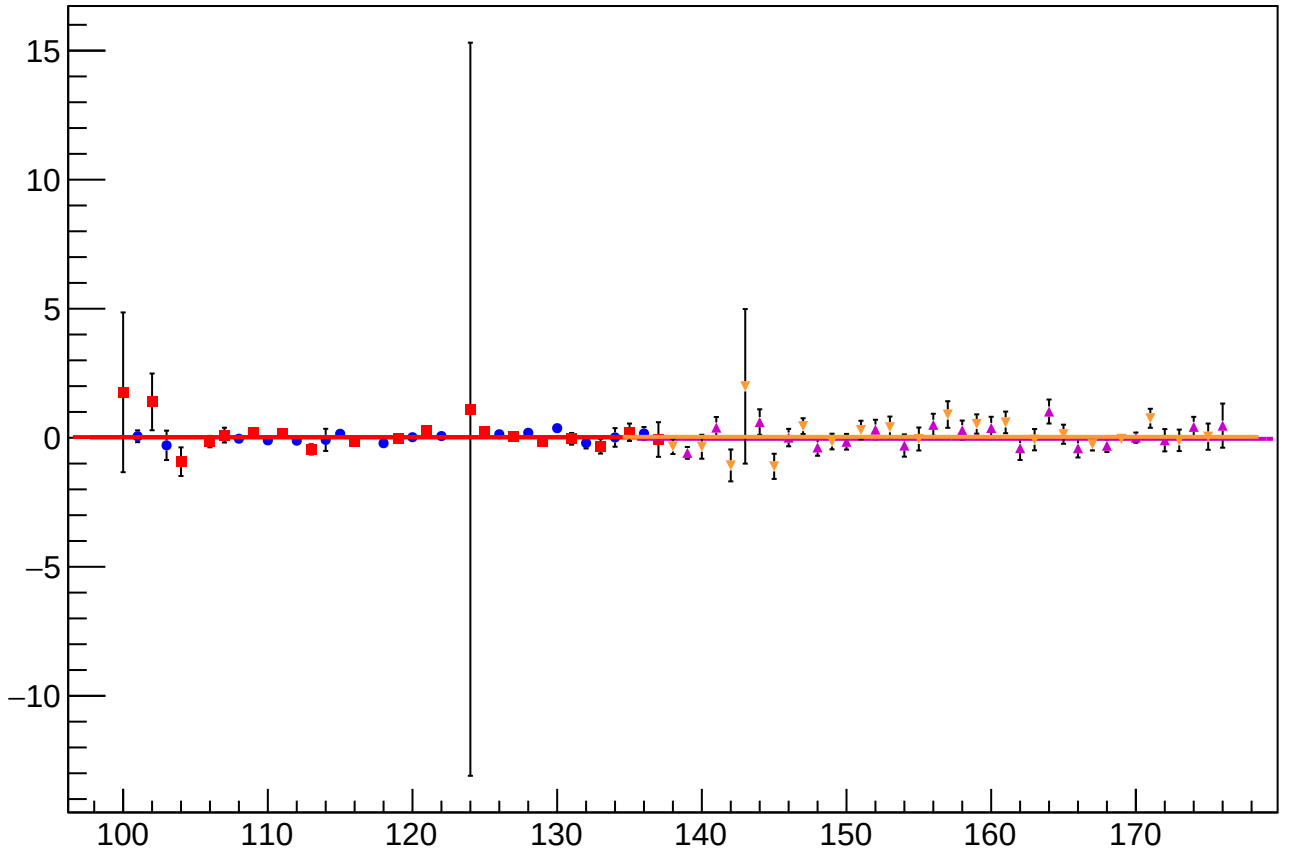
Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.004+/-0.000 χ^2/NDF:9596290.7/18

\+ sign 0.004+/-0.000 χ^2/NDF: 15675937.0/35

All: 0.004+/-0.000 χ^2/NDF: 38387320.5/73

\- sign 0.003+/-0.000 χ^2/NDF: 21452168.3/37



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.079 χ^2/NDF:26.9/19

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

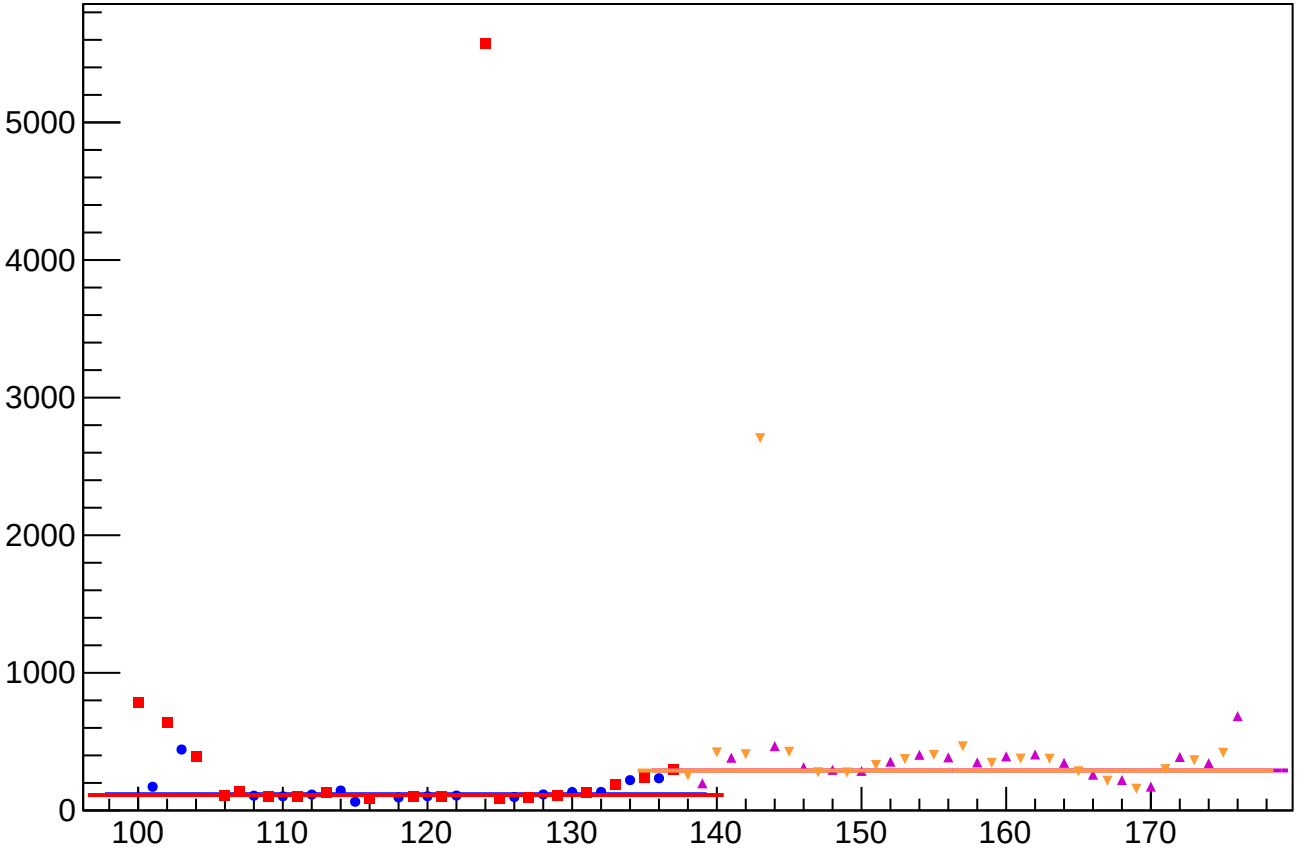
Left In: -0.042+/-0.079 χ^2/NDF:24.3/18

+ sign 0.021+/-0.041 χ^2/NDF: 38.8/35

All: 0.014+/-0.029 χ^2/NDF: 85.7/73

- sign 0.008+/-0.040 χ^2/NDF: 46.9/37

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: 289.976+/-0.056 χ^2/NDF:3909442.7/19

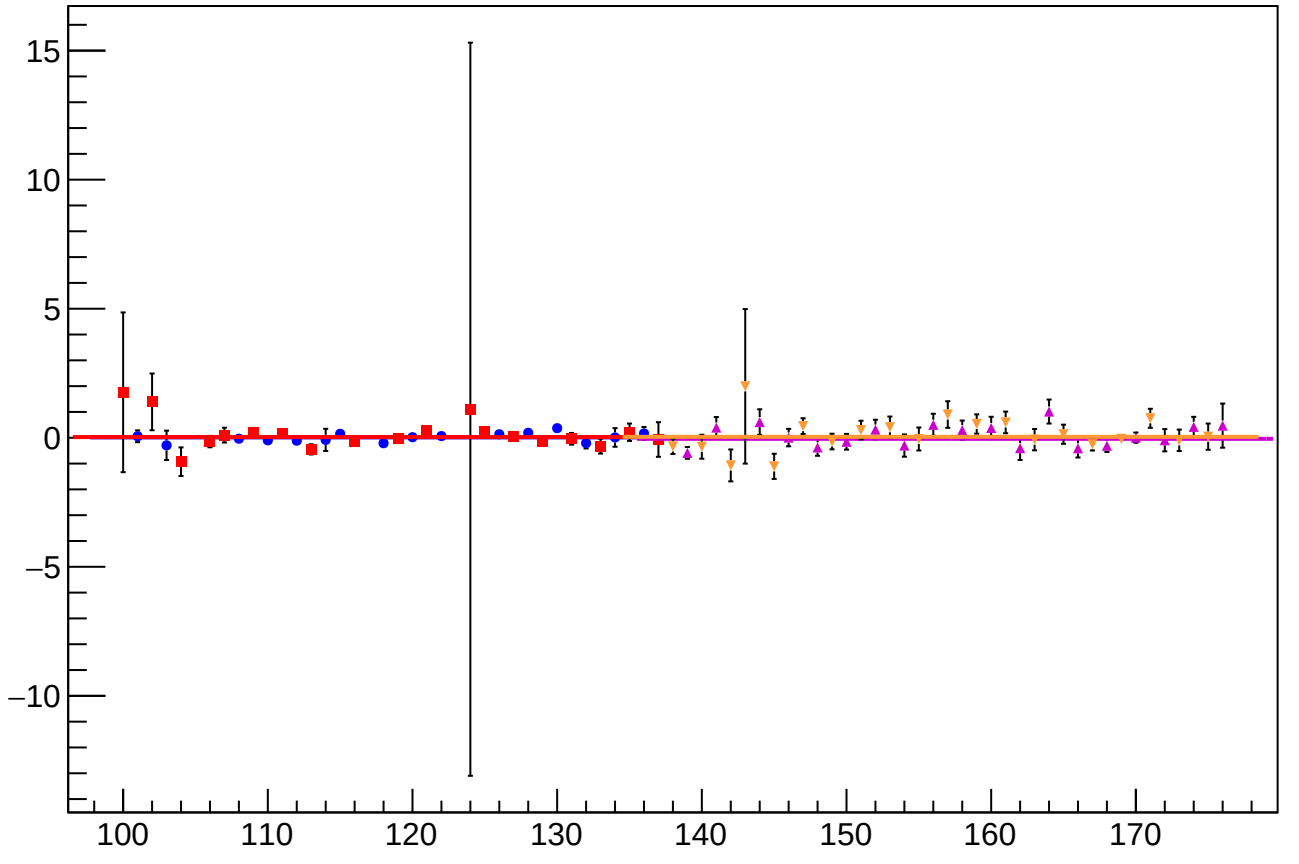
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 290.591+/-0.056 χ^2/NDF:2778138.7/18

+ sign 163.609+/-0.029 χ^2/NDF: 12537440.7/35

All: 161.239+/-0.020 χ^2/NDF: 25133183.8/73

- sign 158.959+/-0.028 χ^2/NDF: 12582644.4/37



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.079 χ^2/NDF:26.9/19

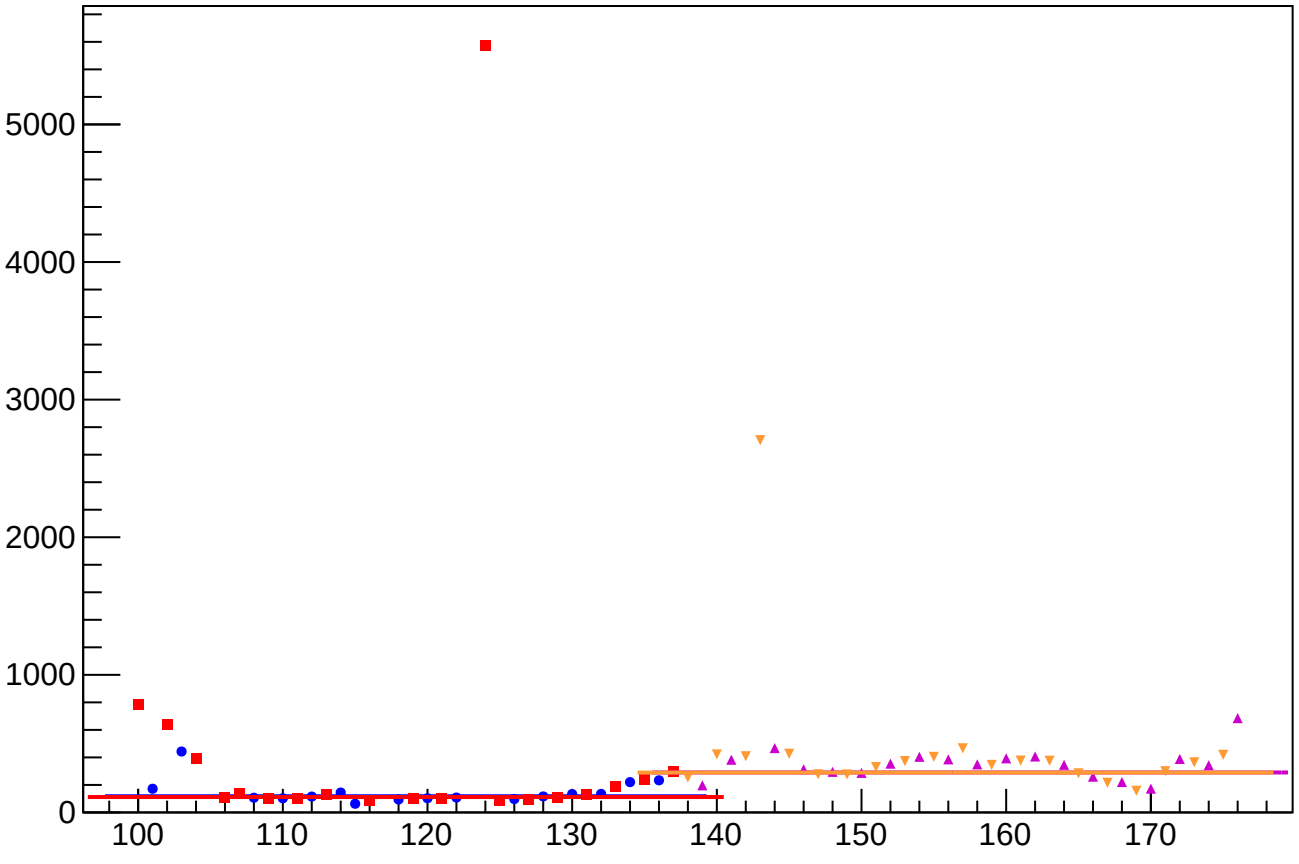
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.042+/-0.079 χ^2/NDF:24.3/18

+ sign 0.021+/-0.041 χ^2/NDF: 38.8/35

All: 0.014+/-0.029 χ^2/NDF: 85.7/73

- sign 0.008+/-0.040 χ^2/NDF: 46.9/37



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 289.976+/-0.056 χ^2/NDF:3909442.7/19

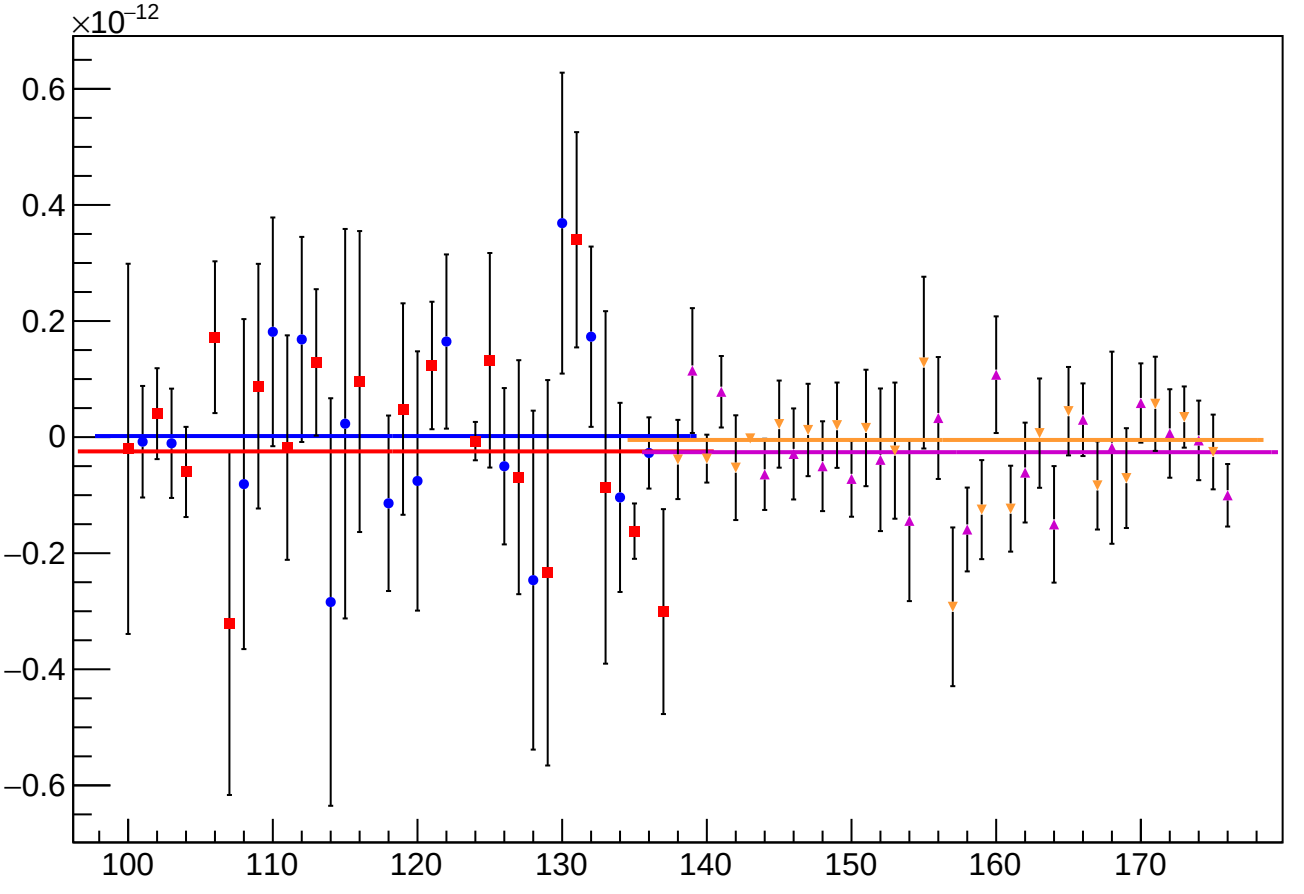
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

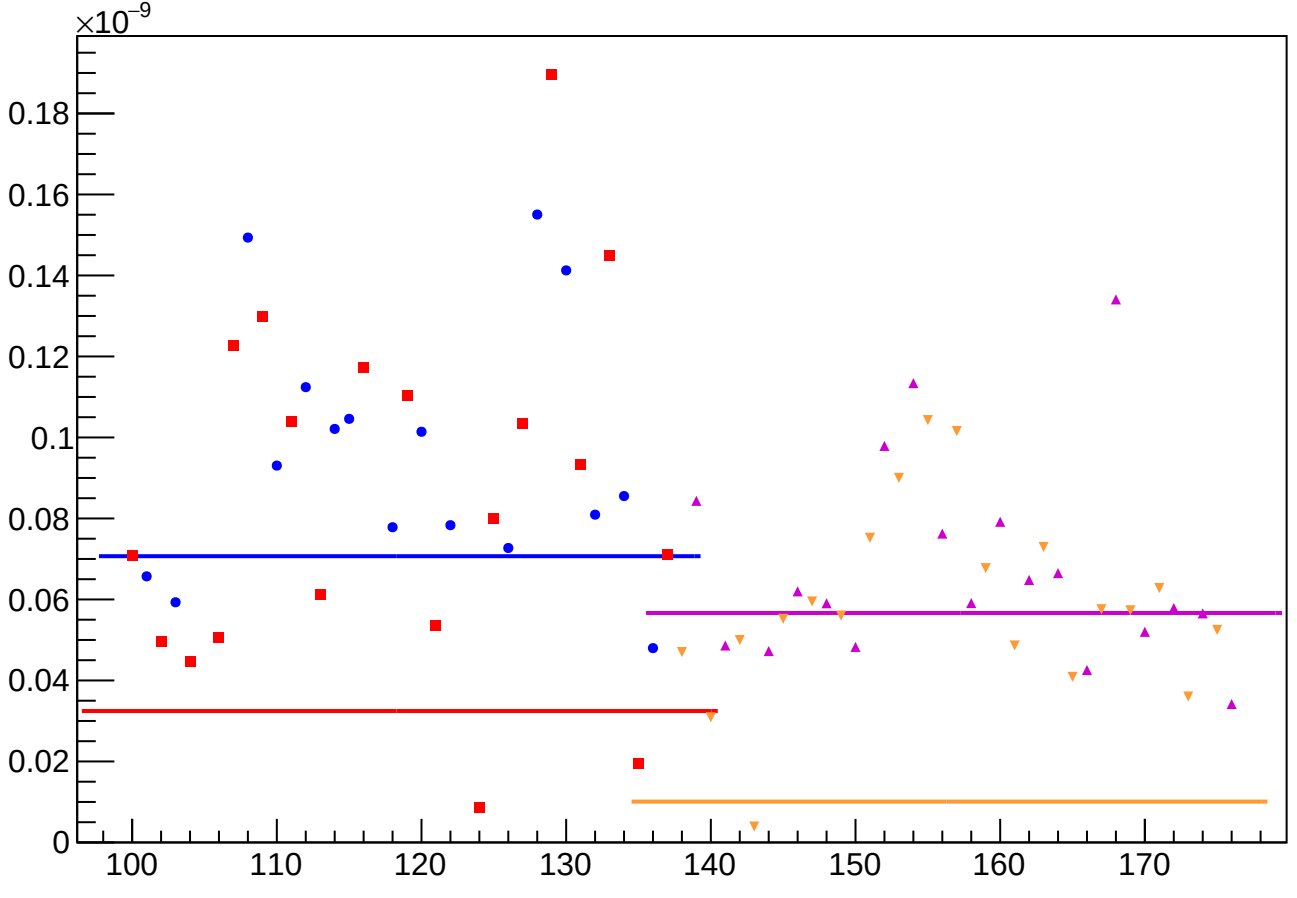
Left In: 290.591+/-0.056 χ^2/NDF:2778138.7/18

+ sign 163.609+/-0.029 χ^2/NDF: 12537440.7/35

All: 161.239+/-0.020 χ^2/NDF: 25133183.8/73

- sign 158.959+/-0.028 χ^2/NDF: 12582644.4/37


asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 9.1/15
Left Out: -0.000+/-0.000 χ²/NDF:14.8/19
Right Out: -0.000+/-0.000 χ²/NDF: 24.2/18
Left In: -0.000+/-0.000 χ²/NDF:18.0/18
+ sign -0.000+/-0.000 χ²/NDF: 23.9/35
All: -0.000+/-0.000 χ²/NDF: 68.0/73
- sign -0.000+/-0.000 χ²/NDF: 42.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15221473.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

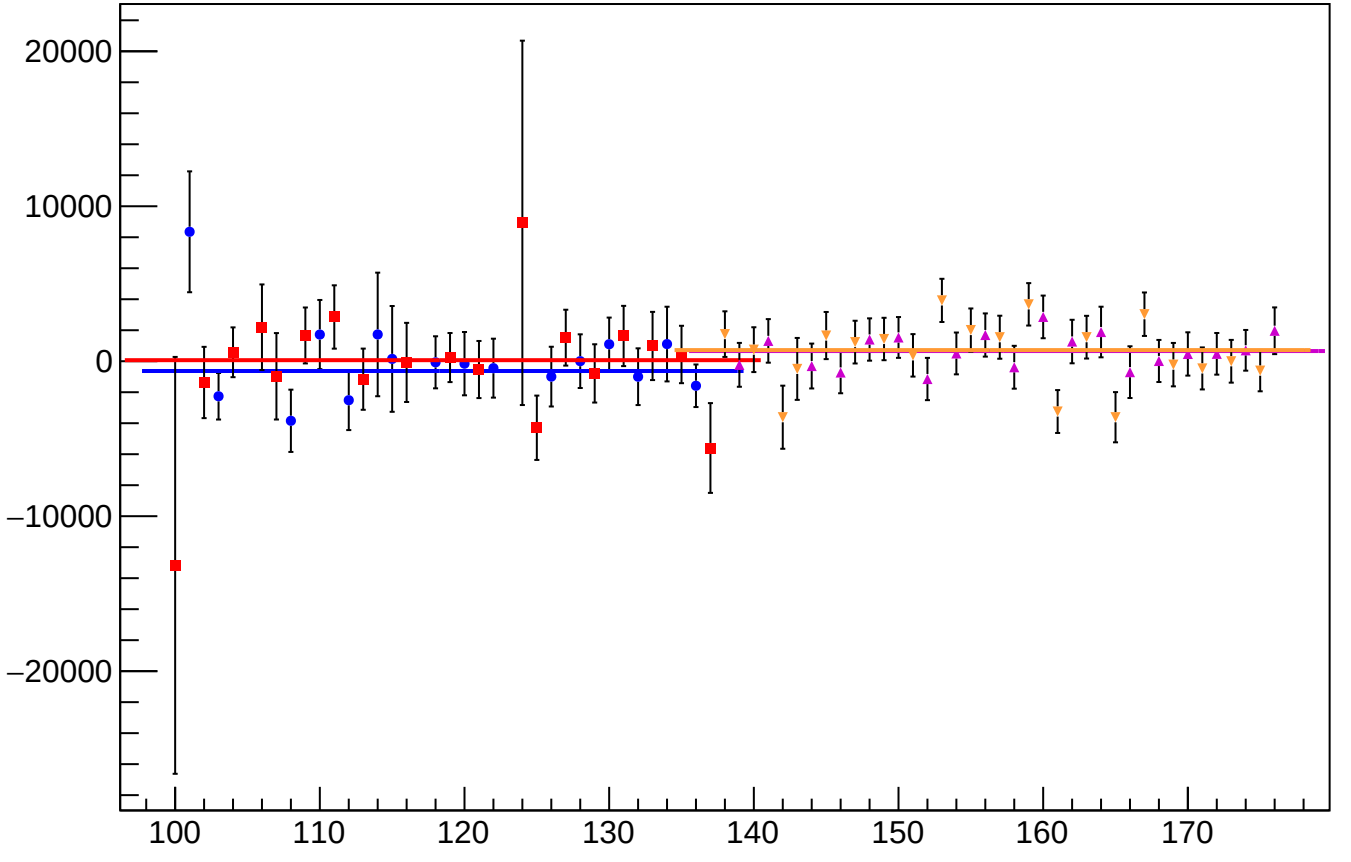
Left In: 0.000+/-0.000 χ^2/NDF:1926865.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 22242333.2/35

All: 0.000+/-0.000 χ^2/NDF: 40891459.4/73

- sign 0.000+/-0.000 χ^2/NDF: 7868578.3/37

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.812+/-322.406 χ^2/NDF:38.3/19

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

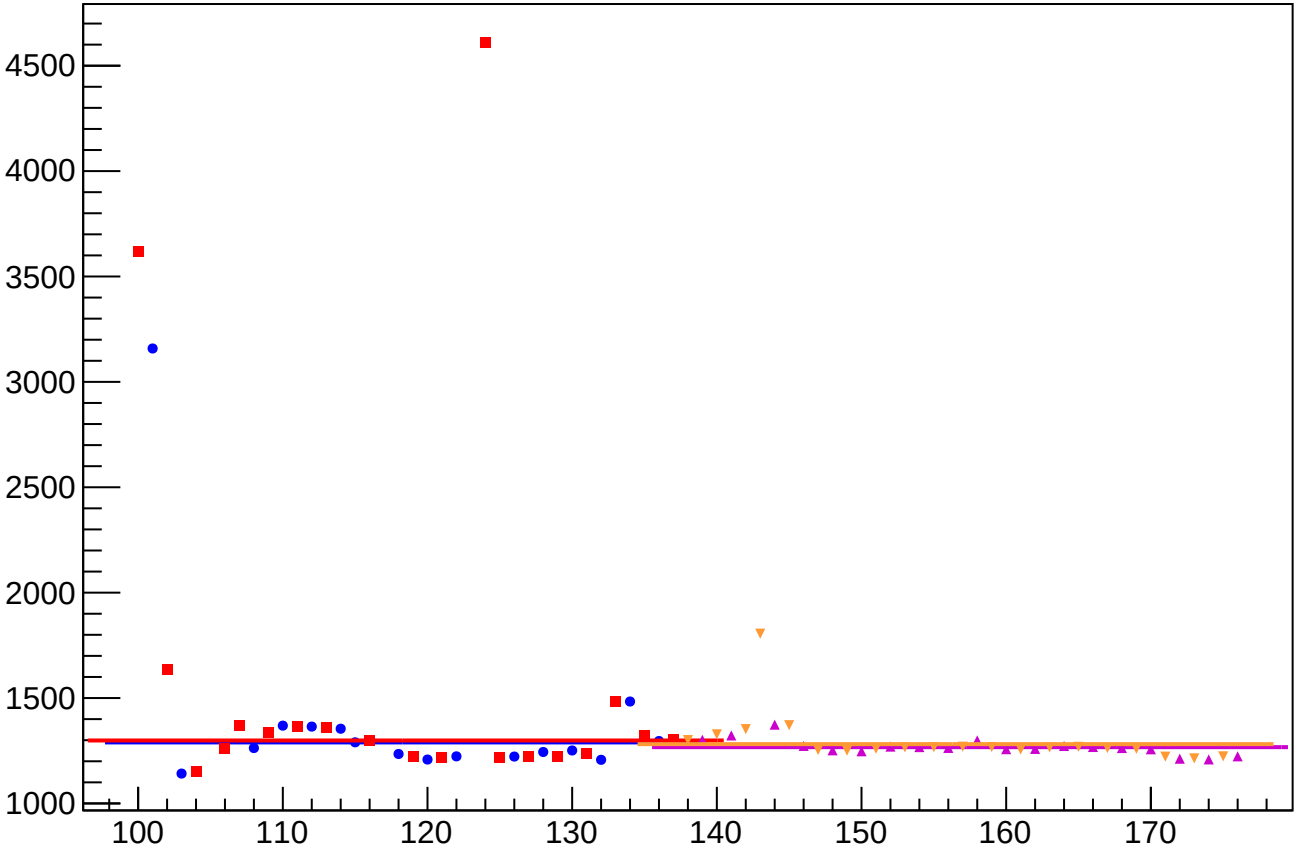
Left In: 656.785+/-321.523 χ^2/NDF:10.7/18

+ sign 308.731+/-269.111 χ^2/NDF: 57.5/35

All: 393.741+/-190.055 χ^2/NDF: 85.4/73

- sign 478.332+/-268.447 χ^2/NDF: 27.6/37

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

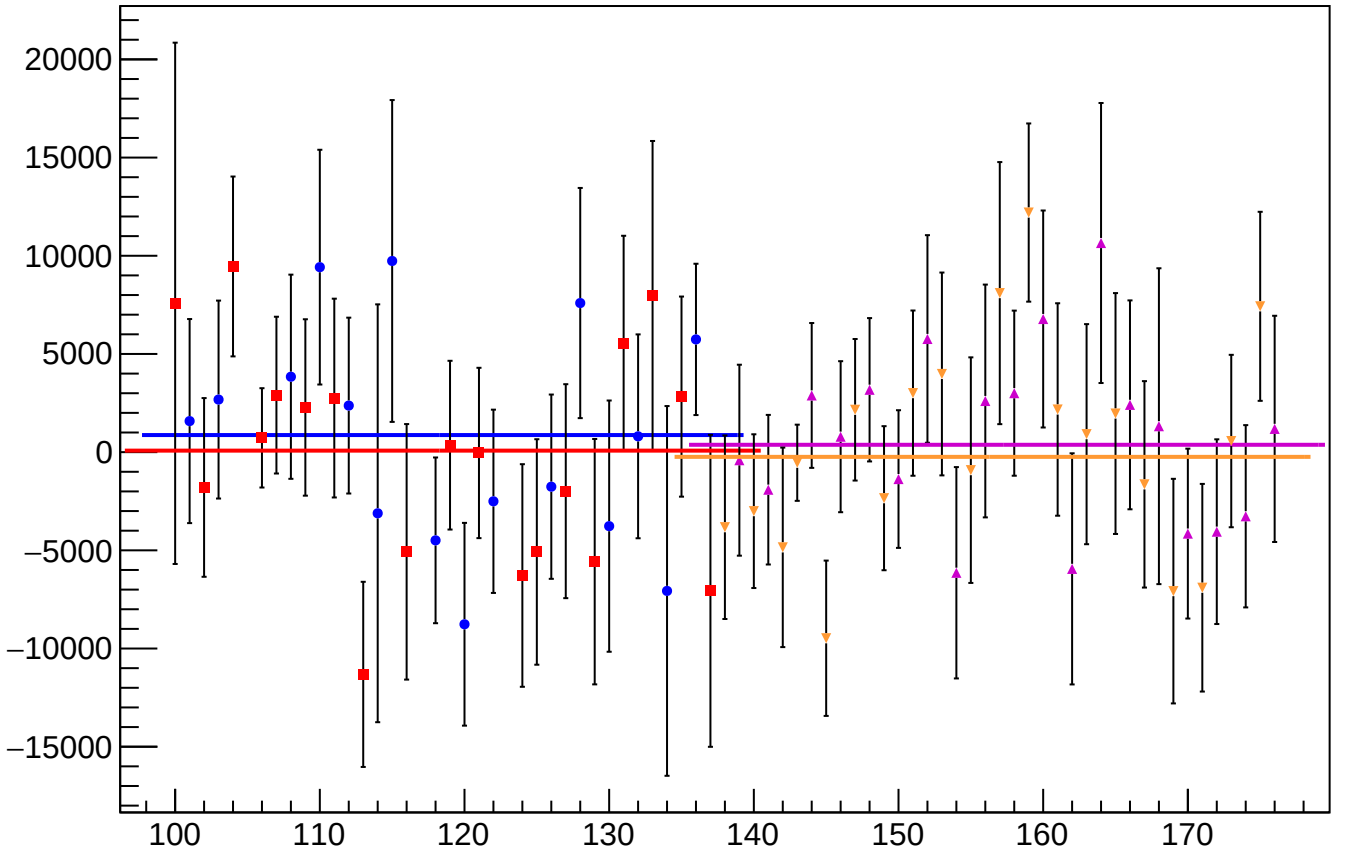
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1283.736+/-0.190 χ^2/NDF: 681837.6/35

All: 1280.162+/-0.134 χ^2/NDF: 1034067.8/73

- sign 1276.612+/-0.190 χ^2/NDF: 351527.2/37



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -240.210+/-946.405 χ^2/NDF:24.5/19

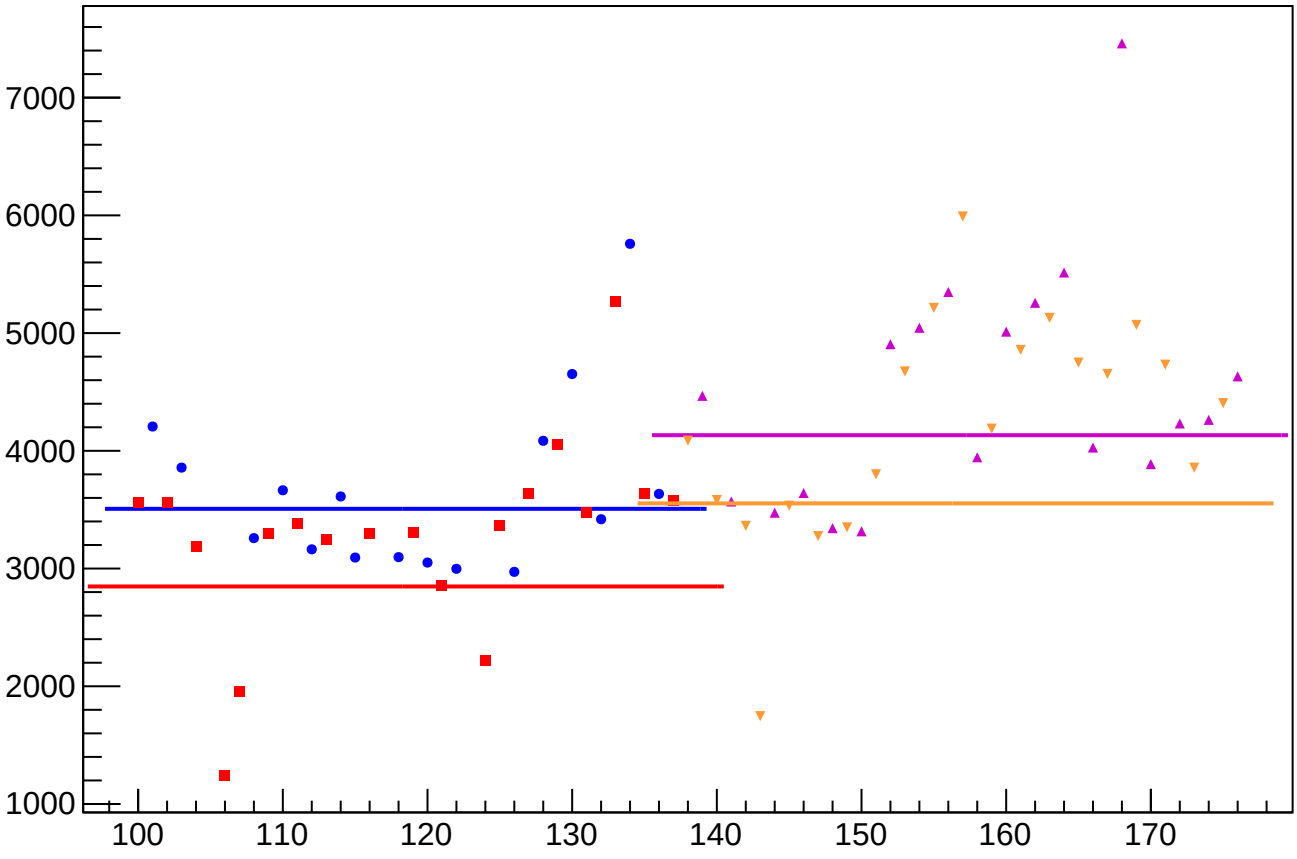
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 374.536+/-1071.133 χ^2/NDF:12.1/18

\+ sign 134.844+/-770.182 χ^2/NDF: 39.0/35

All: 183.046+/-544.939 χ^2/NDF: 69.5/73

\- sign 231.368+/-771.139 χ^2/NDF: 30.5/37



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3553.411+/-0.669 χ^2/NDF:3108258.5/19

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

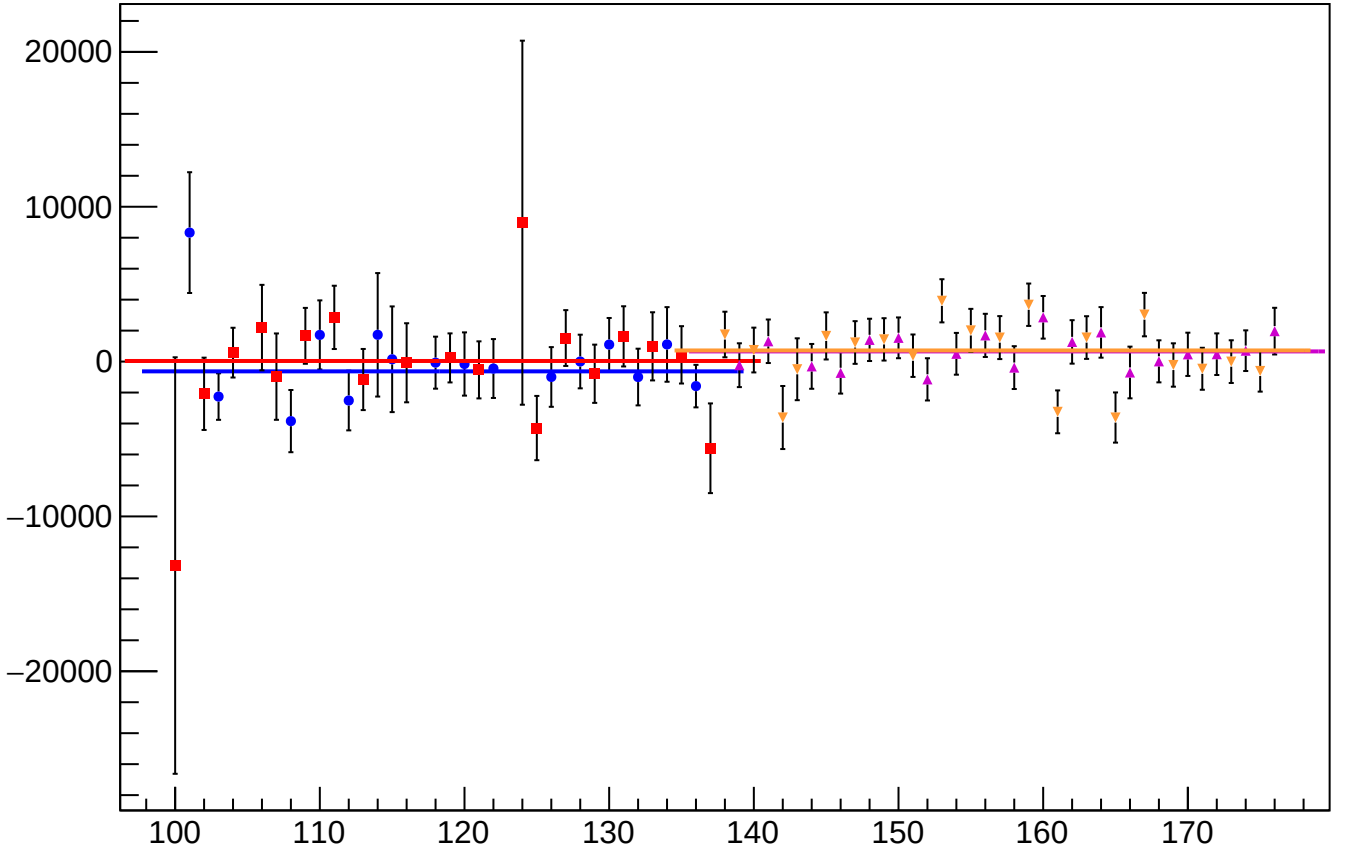
Left In: 4132.820+/-0.757 χ^2/NDF:1106305.7/18

+ sign 3537.871+/-0.545 χ^2/NDF: 3463834.3/35

All: 3525.869+/-0.385 χ^2/NDF: 7456987.7/73

- sign 3513.838+/-0.545 χ^2/NDF: 3992181.0/37

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

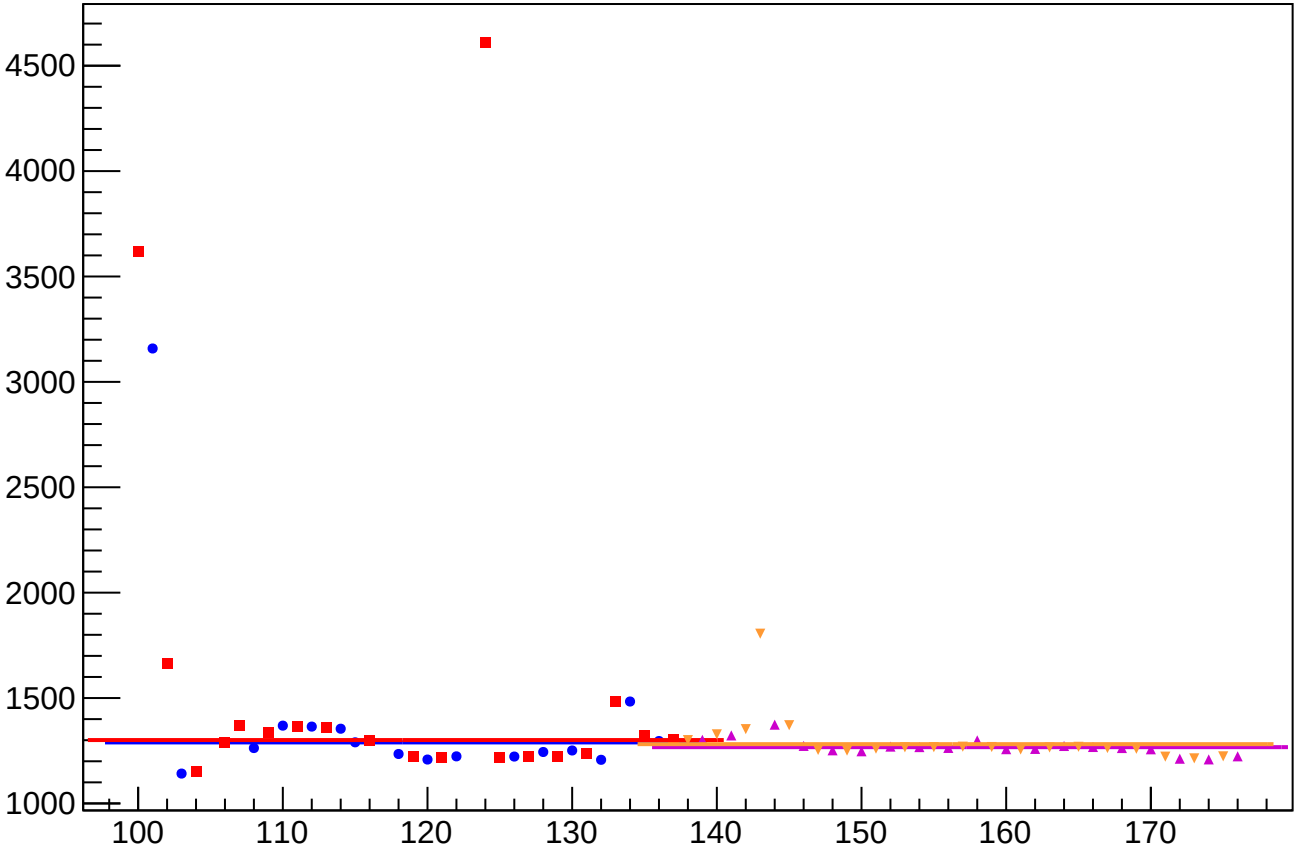
Left In: 656.732+/-321.523 χ^2/NDF:10.7/18

\+ sign 308.627+/-269.111 χ^2/NDF: 57.5/35

All: 389.335+/-190.074 χ^2/NDF: 85.9/73

\- sign 469.678+/-268.501 χ^2/NDF: 28.2/37

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

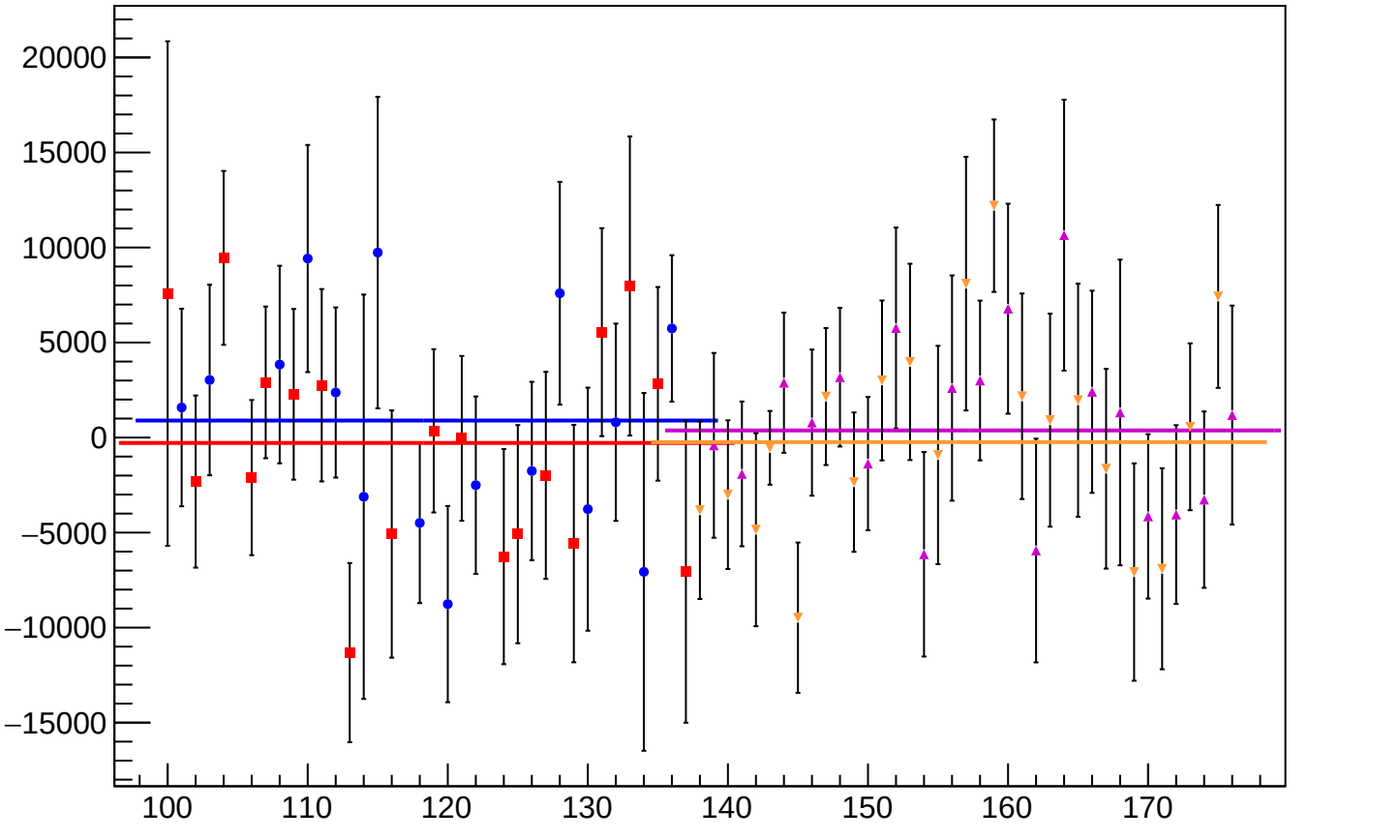
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1283.736+/-0.190 χ^2/NDF: 681839.1/35

All: 1280.463+/-0.134 χ^2/NDF: 1041255.6/73

- sign 1277.209+/-0.190 χ^2/NDF: 358826.6/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

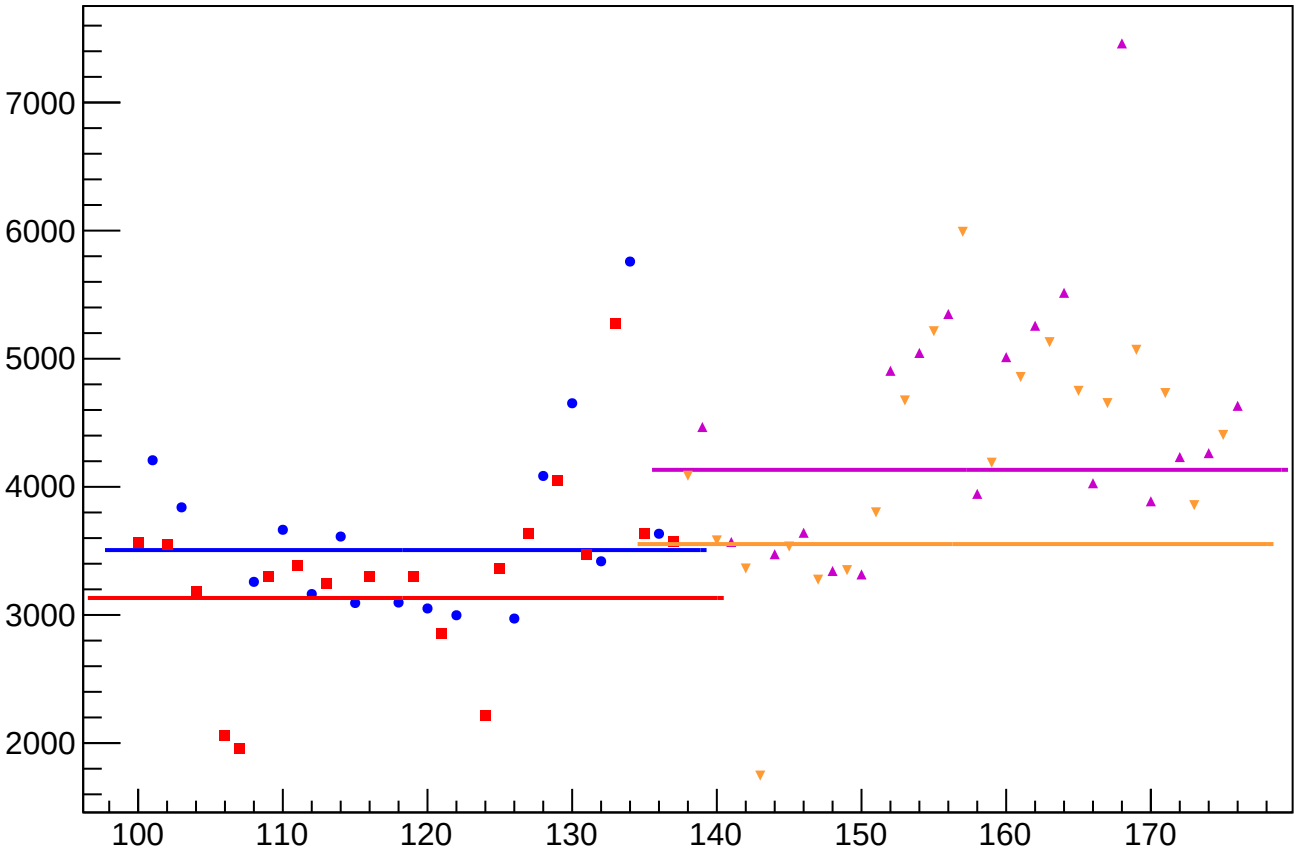
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 374.550+/-1071.131 χ^2/NDF:12.1/18

\+ sign 143.749+/-770.092 χ^2/NDF: 39.1/35

All: 111.854+/-552.819 χ^2/NDF: 70.0/73

\- sign 77.942+/-794.068 χ^2/NDF: 30.9/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

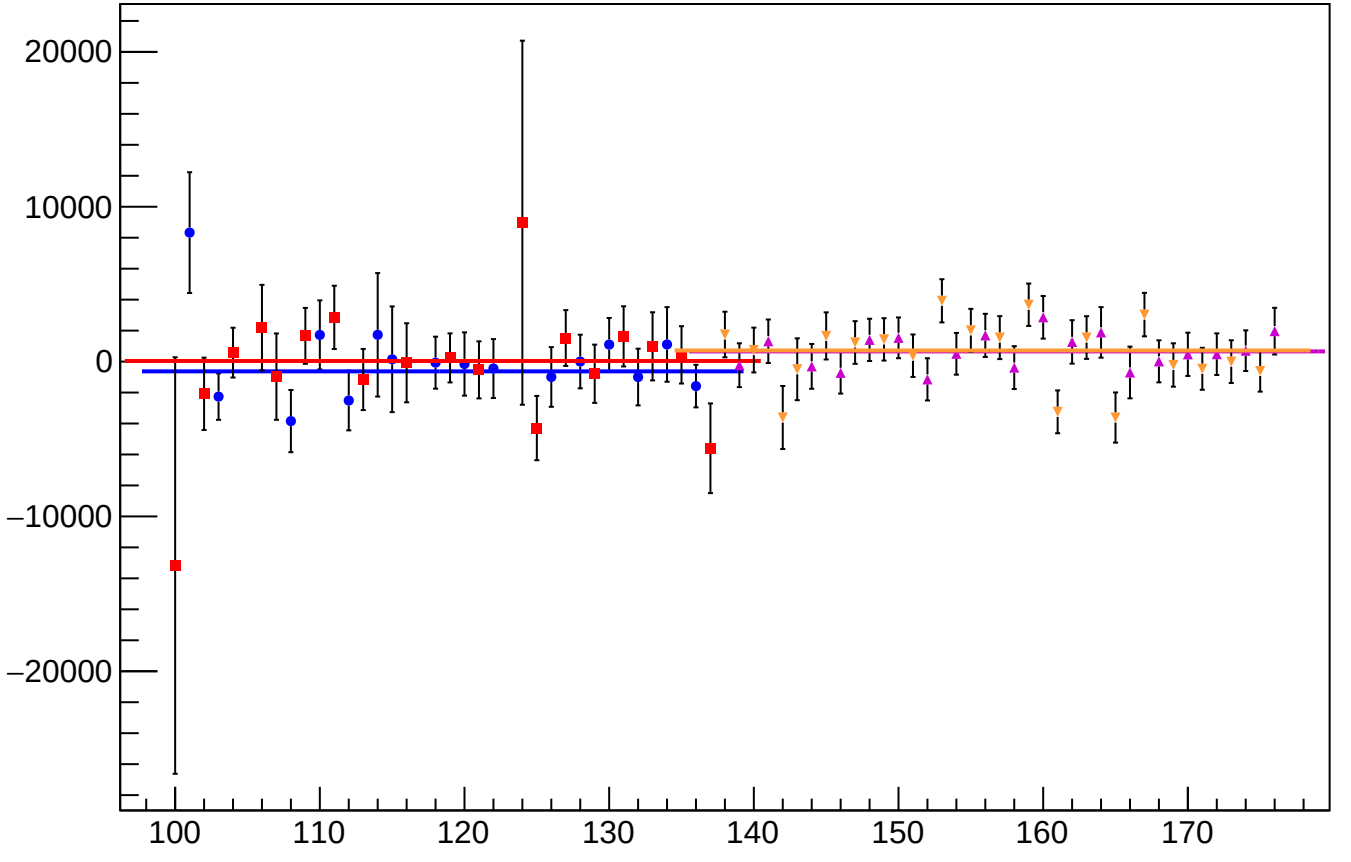
Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

+ sign 3537.549+/-0.545 χ^2/NDF: 3463190.0/35

All: 3607.702+/-0.391 χ^2/NDF: 6038880.3/73

- sign 3682.290+/-0.561 χ^2/NDF: 2541446.9/37

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: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

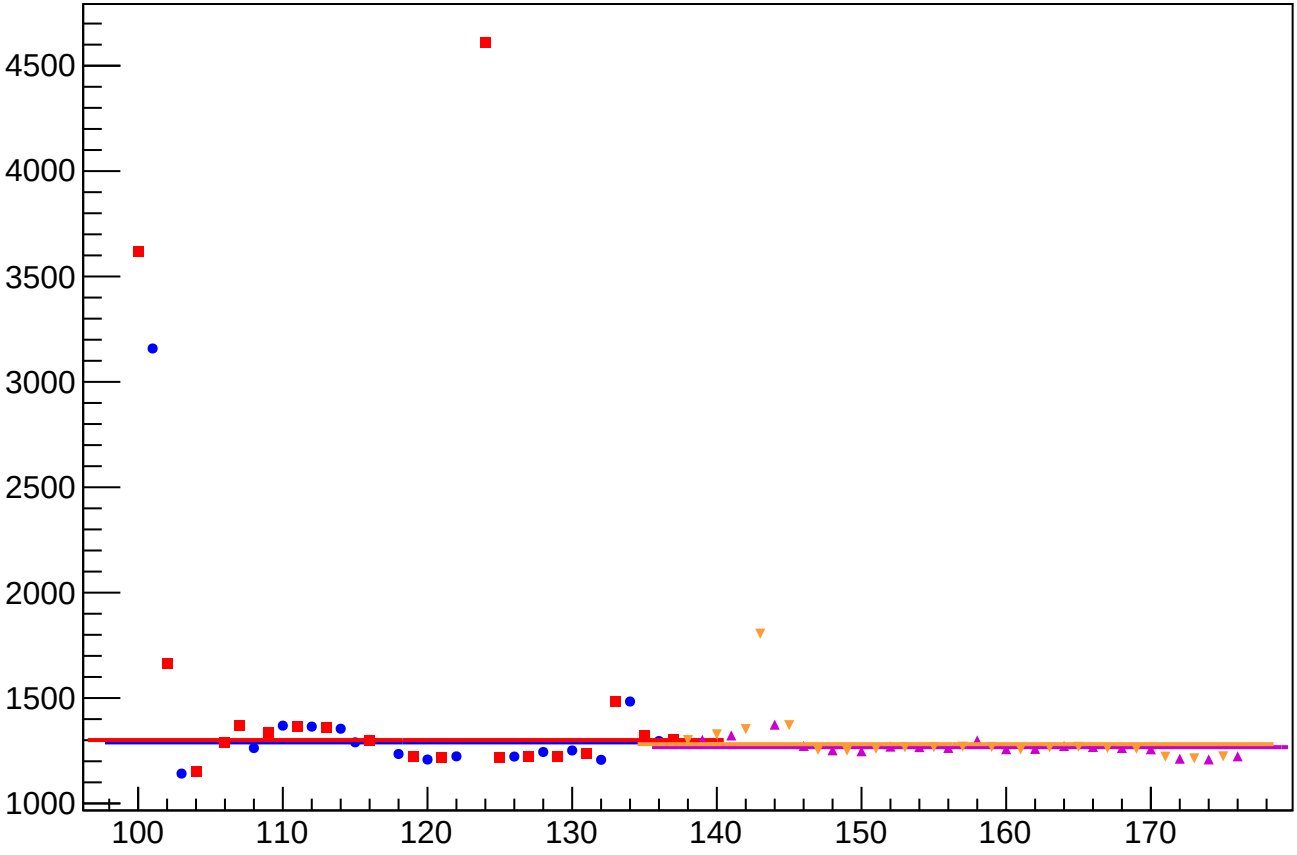
Left In: 656.732+/-321.523 χ^2/NDF:10.7/18

\+ sign 308.627+/-269.111 χ^2/NDF: 57.5/35

All: 389.335+/-190.074 χ^2/NDF: 85.9/73

\- sign 469.678+/-268.501 χ^2/NDF: 28.2/37

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: 1281.241+/-0.228 χ^2/NDF:166767.8/19

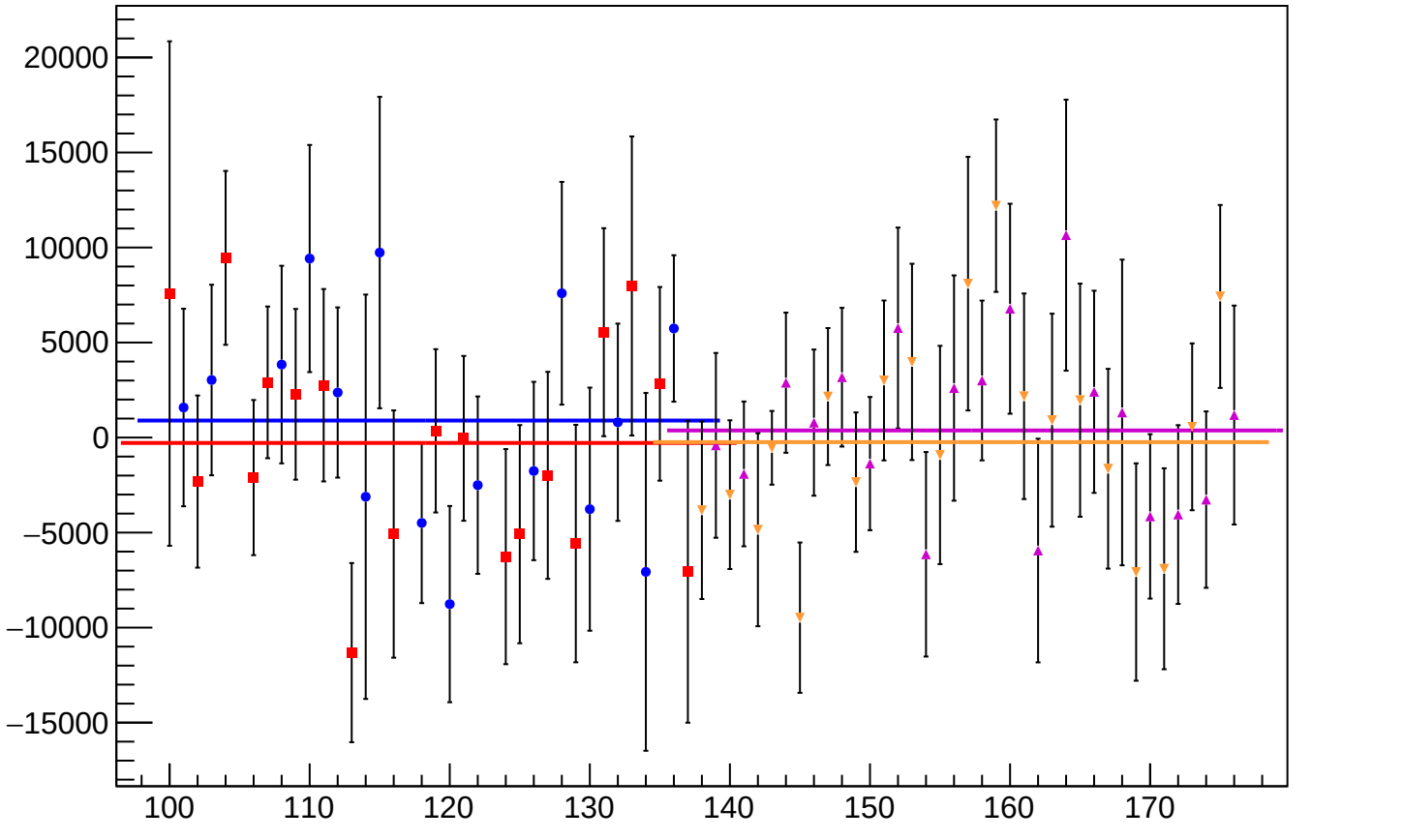
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1283.736+/-0.190 χ^2/NDF: 681839.1/35

All: 1280.463+/-0.134 χ^2/NDF: 1041255.6/73

- sign 1277.209+/-0.190 χ^2/NDF: 358826.6/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

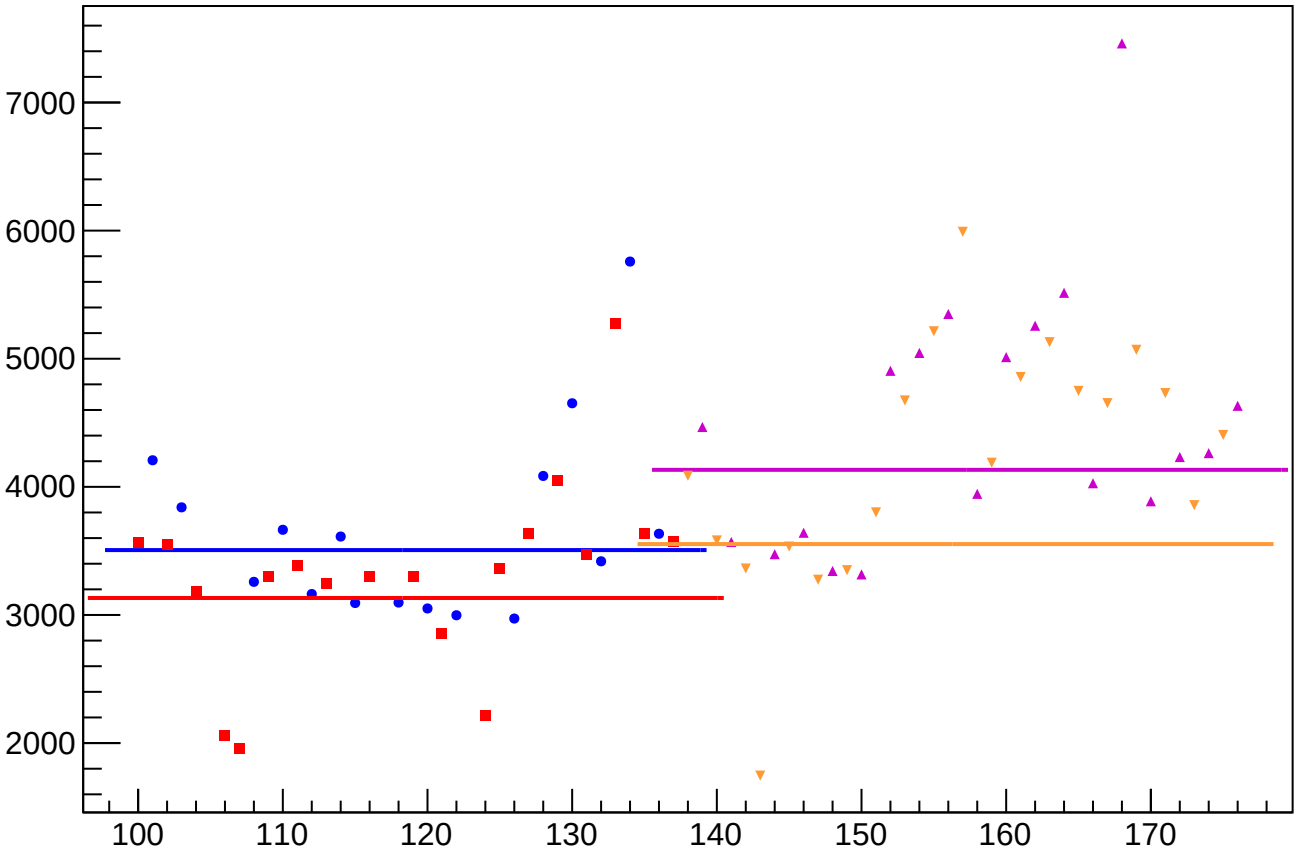
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 374.550+/-1071.131 χ^2/NDF:12.1/18

+ sign 143.749+/-770.092 χ^2/NDF: 39.1/35

All: 111.854+/-552.819 χ^2/NDF: 70.0/73

- sign 77.942+/-794.068 χ^2/NDF: 30.9/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

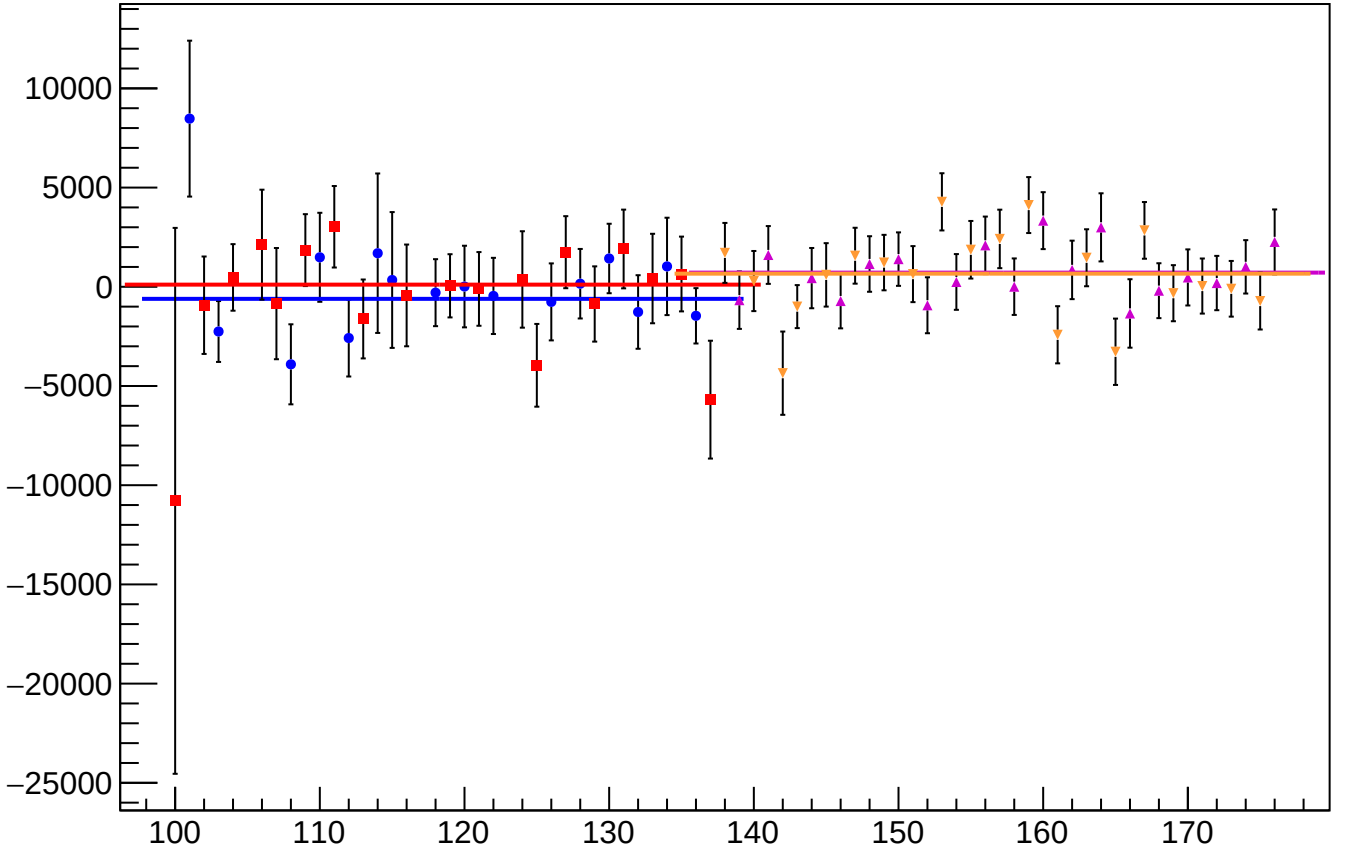
Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

+ sign 3537.549+/-0.545 χ^2/NDF: 3463190.0/35

All: 3607.702+/-0.391 χ^2/NDF: 6038880.3/73

- sign 3682.290+/-0.561 χ^2/NDF: 2541446.9/37

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.416+/-322.595 χ^2/NDF:38.3/19

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

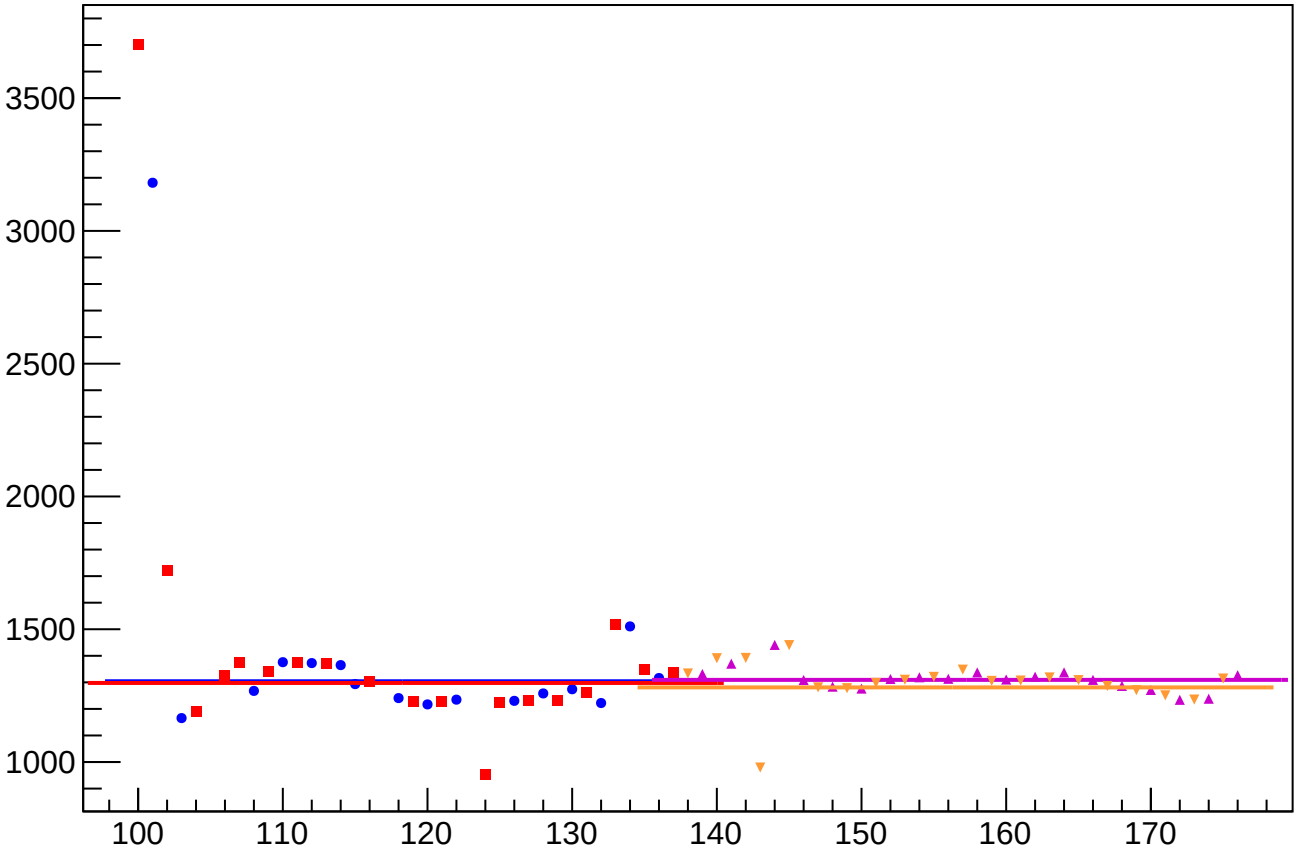
Left In: 714.051+/-332.363 χ^2/NDF:13.5/18

\+ sign 282.163+/-270.134 χ^2/NDF: 57.0/35

All: 399.712+/-192.457 χ^2/NDF: 86.8/73

\- sign 520.884+/-274.264 χ^2/NDF: 29.4/37

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207501.3/19

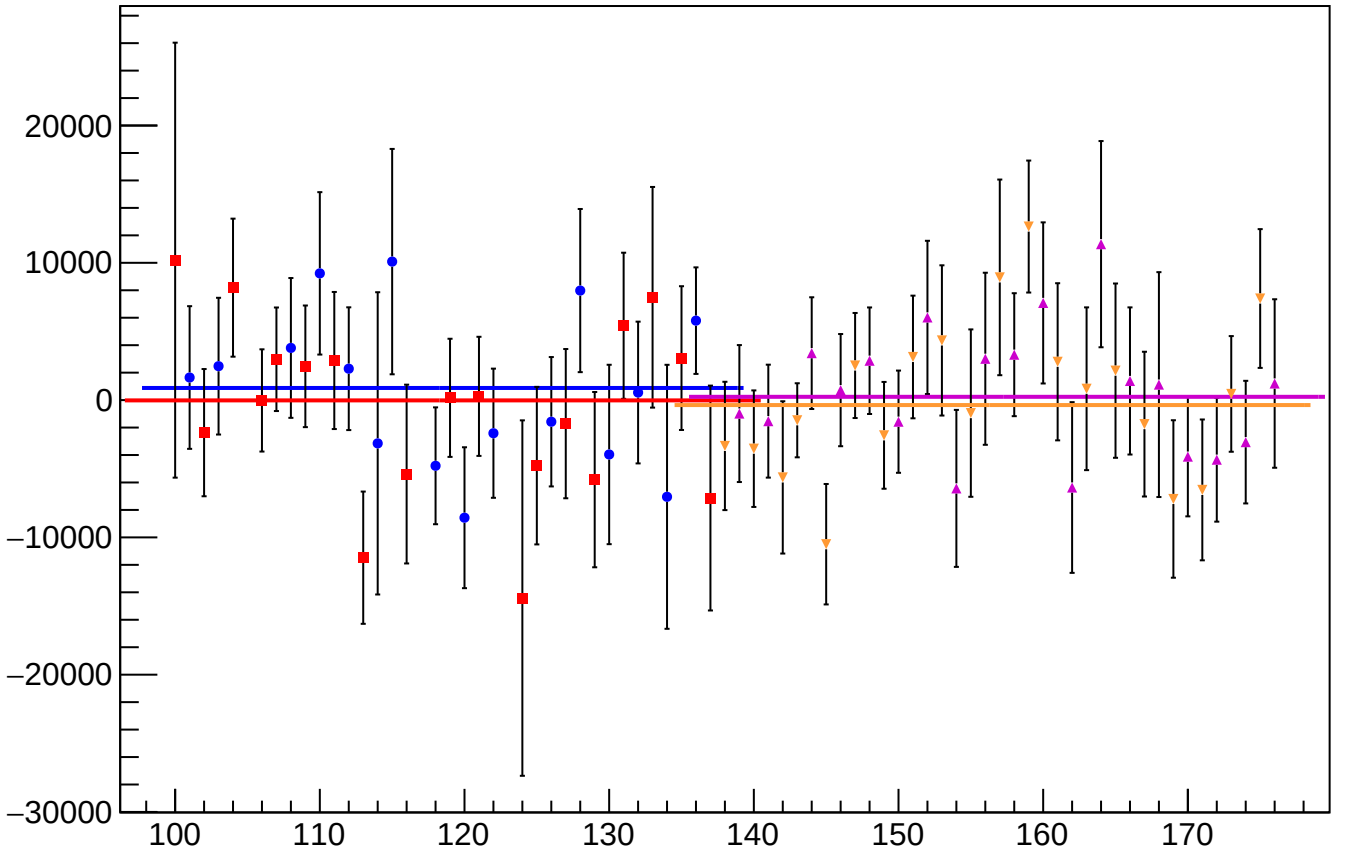
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1309.347+/-0.235 χ^2/NDF:36214.4/18

+ sign 1287.885+/-0.191 χ^2/NDF: 721162.3/35

All: 1296.639+/-0.136 χ^2/NDF: 975509.0/73

- sign 1305.658+/-0.194 χ^2/NDF: 250082.8/37



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -361.243+/-1045.588 χ^2/NDF:24.5/19

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

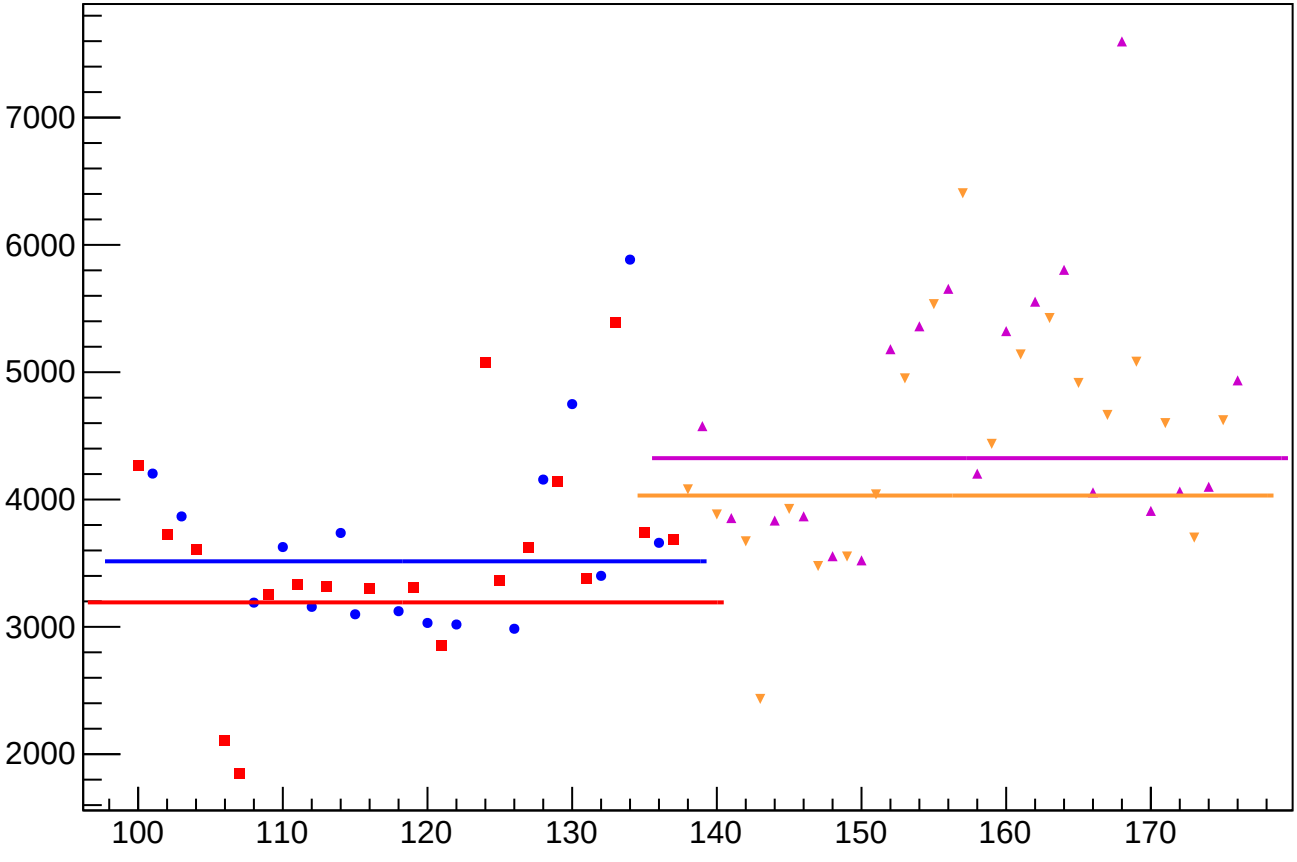
Left In: 239.932+/-1120.053 χ^2/NDF:12.0/18

+ sign 115.575+/-821.373 χ^2/NDF: 39.2/35

All: 117.091+/-579.889 χ^2/NDF: 68.0/73

- sign 118.597+/-818.808 χ^2/NDF: 28.9/37

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: 4031.441+/-0.739 χ^2/NDF:1584886.0/19

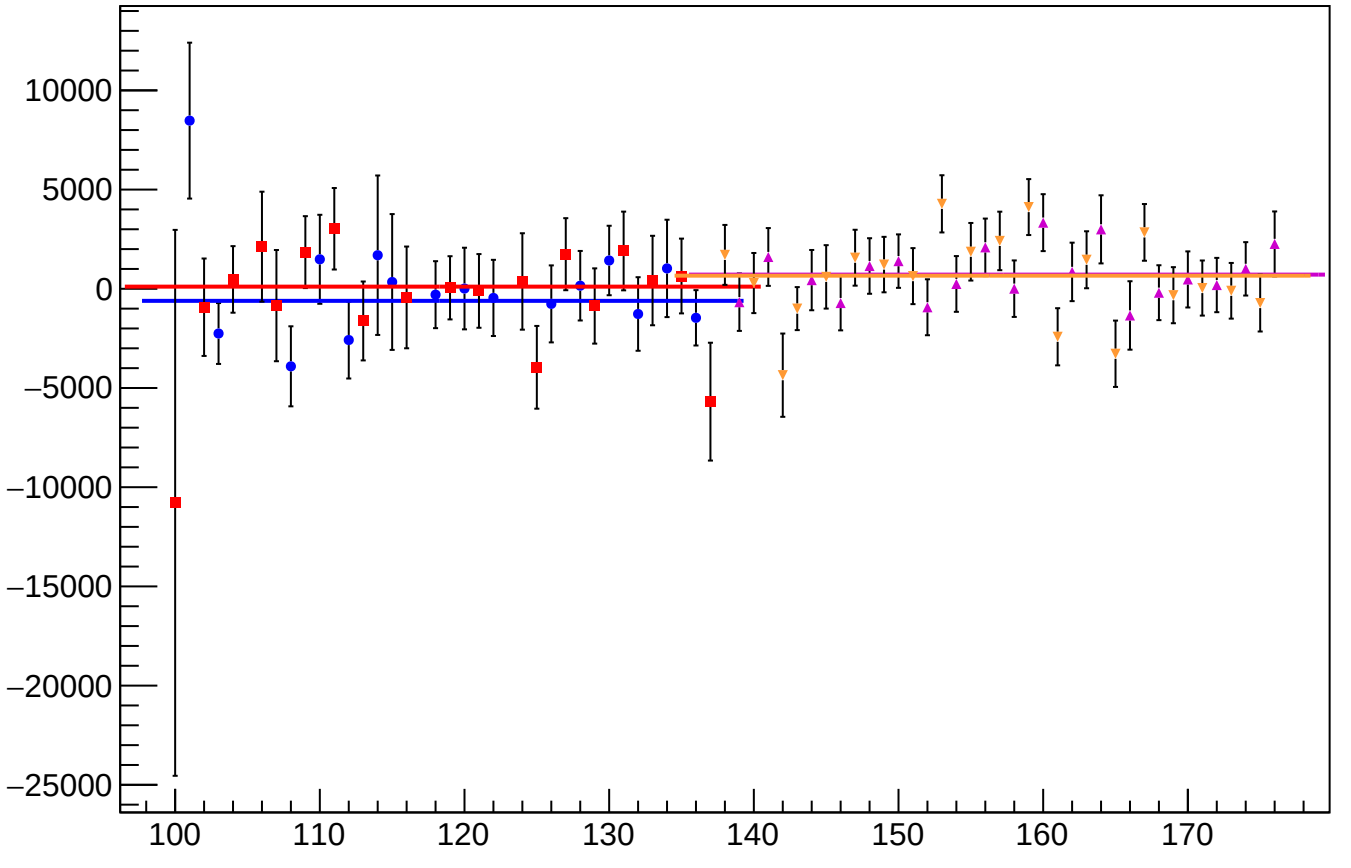
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4324.914+/-0.792 χ^2/NDF:1048985.0/18

\+ sign 3833.602+/-0.581 χ^2/NDF: 2146971.3/35

All: 3815.520+/-0.410 χ^2/NDF: 4922699.1/73

\- sign 3797.551+/-0.579 χ^2/NDF: 2773795.3/37



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.419+/-322.596 χ^2/NDF:38.3/19

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

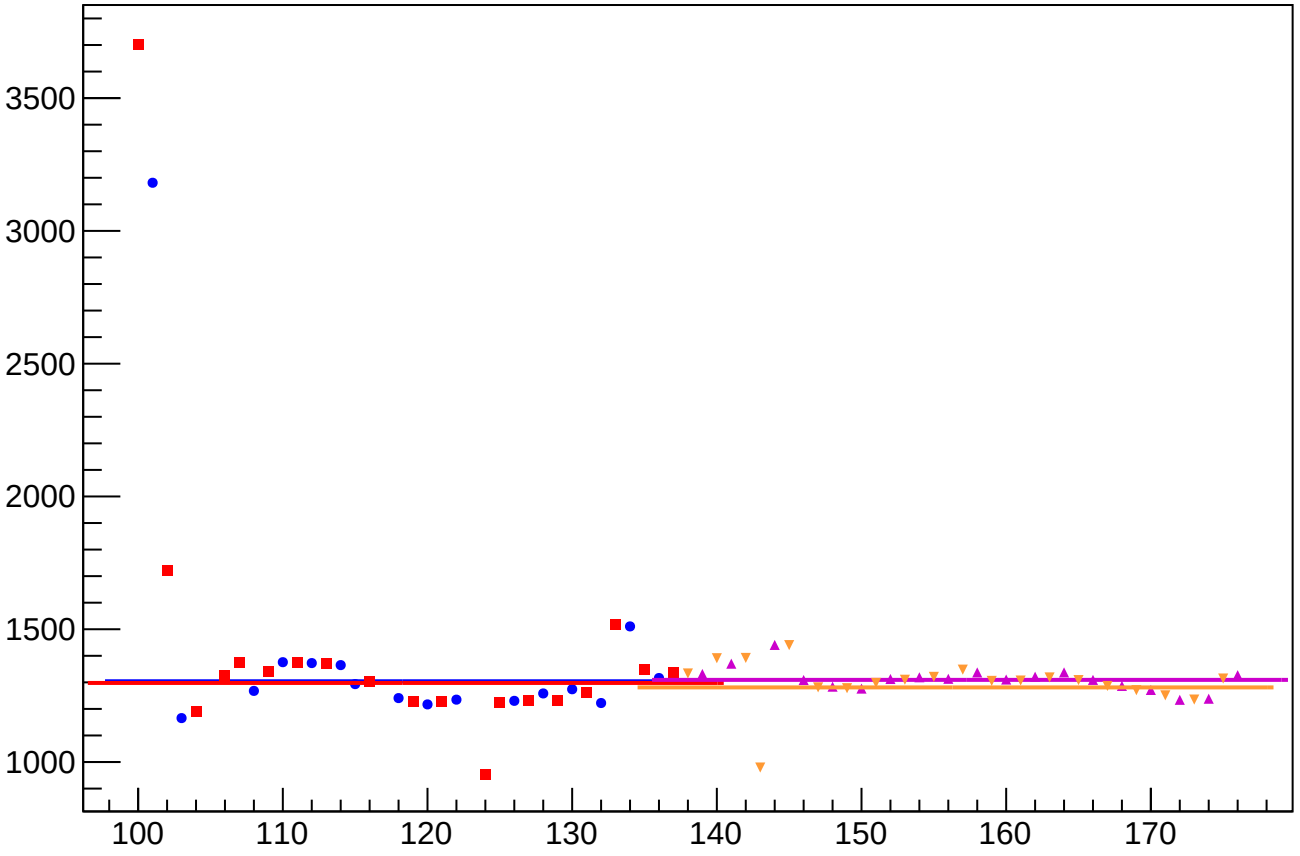
Left In: 714.052+/-332.363 χ^2/NDF:13.5/18

+ sign 282.163+/-270.134 χ^2/NDF: 57.0/35

All: 399.714+/-192.457 χ^2/NDF: 86.8/73

- sign 520.886+/-274.264 χ^2/NDF: 29.4/37

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: 1280.975+/-0.228 χ^2/NDF:207502.5/19

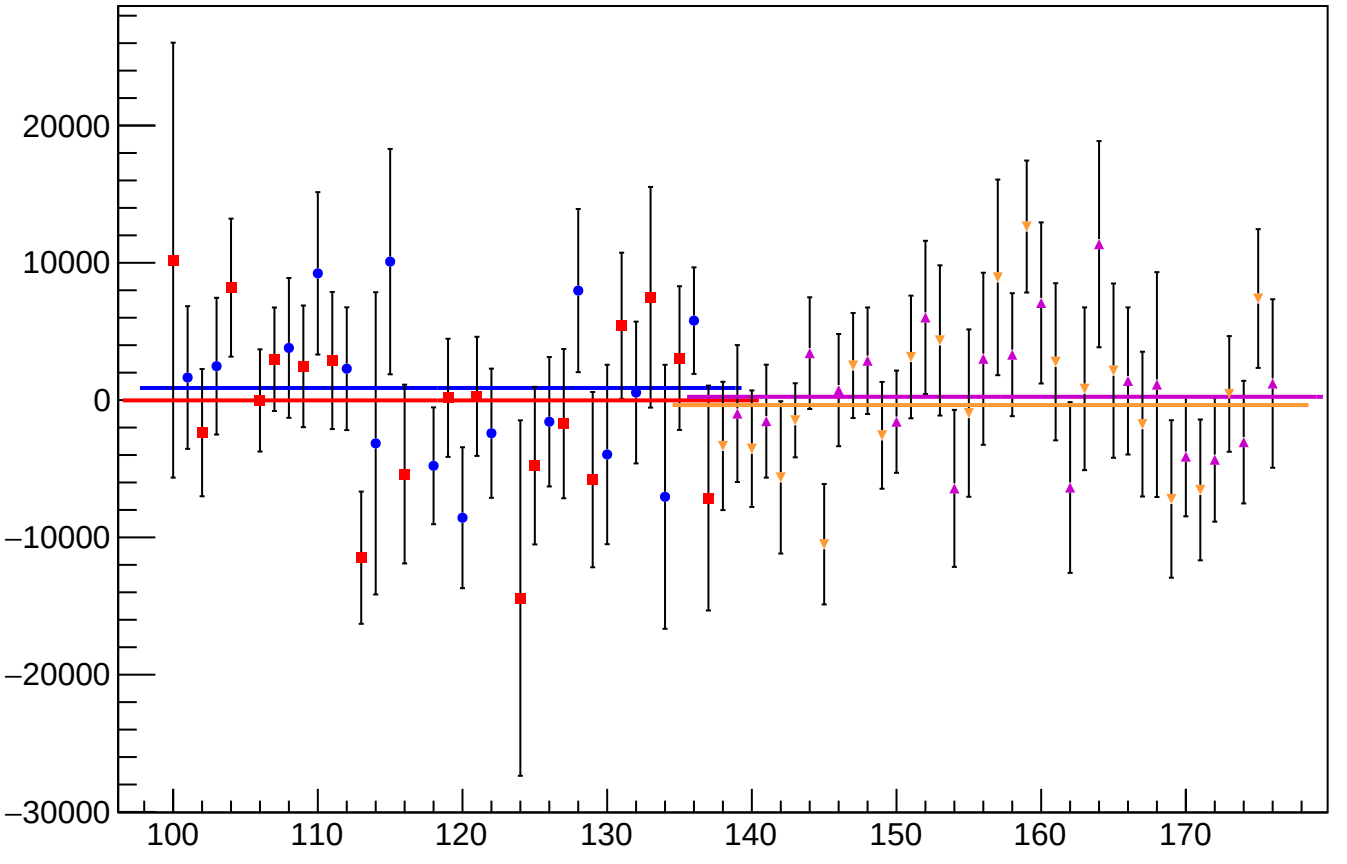
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1309.348+/-0.235 χ^2/NDF:36215.6/18

+ sign 1287.886+/-0.191 χ^2/NDF: 721163.4/35

All: 1296.639+/-0.136 χ^2/NDF: 975511.6/73

- sign 1305.658+/-0.194 χ^2/NDF: 250084.2/37



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -361.241+/-1045.589 χ^2/NDF:24.5/19

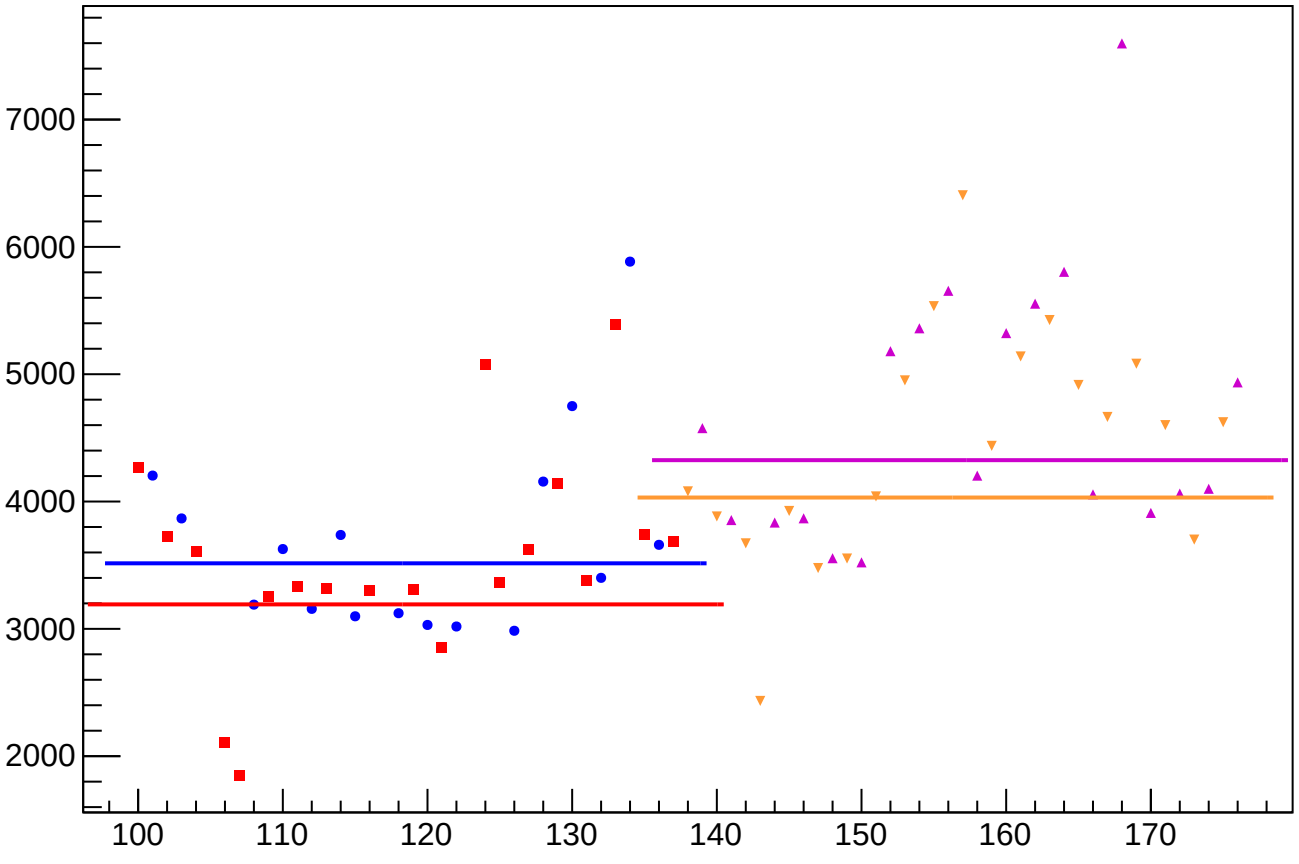
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 239.931+/-1120.055 χ^2/NDF:12.0/18

+ sign 115.574+/-821.373 χ^2/NDF: 39.2/35

All: 117.091+/-579.889 χ^2/NDF: 68.0/73

- sign 118.598+/-818.807 χ^2/NDF: 28.9/37



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4031.448+/-0.739 χ^2/NDF:1584887.1/19

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

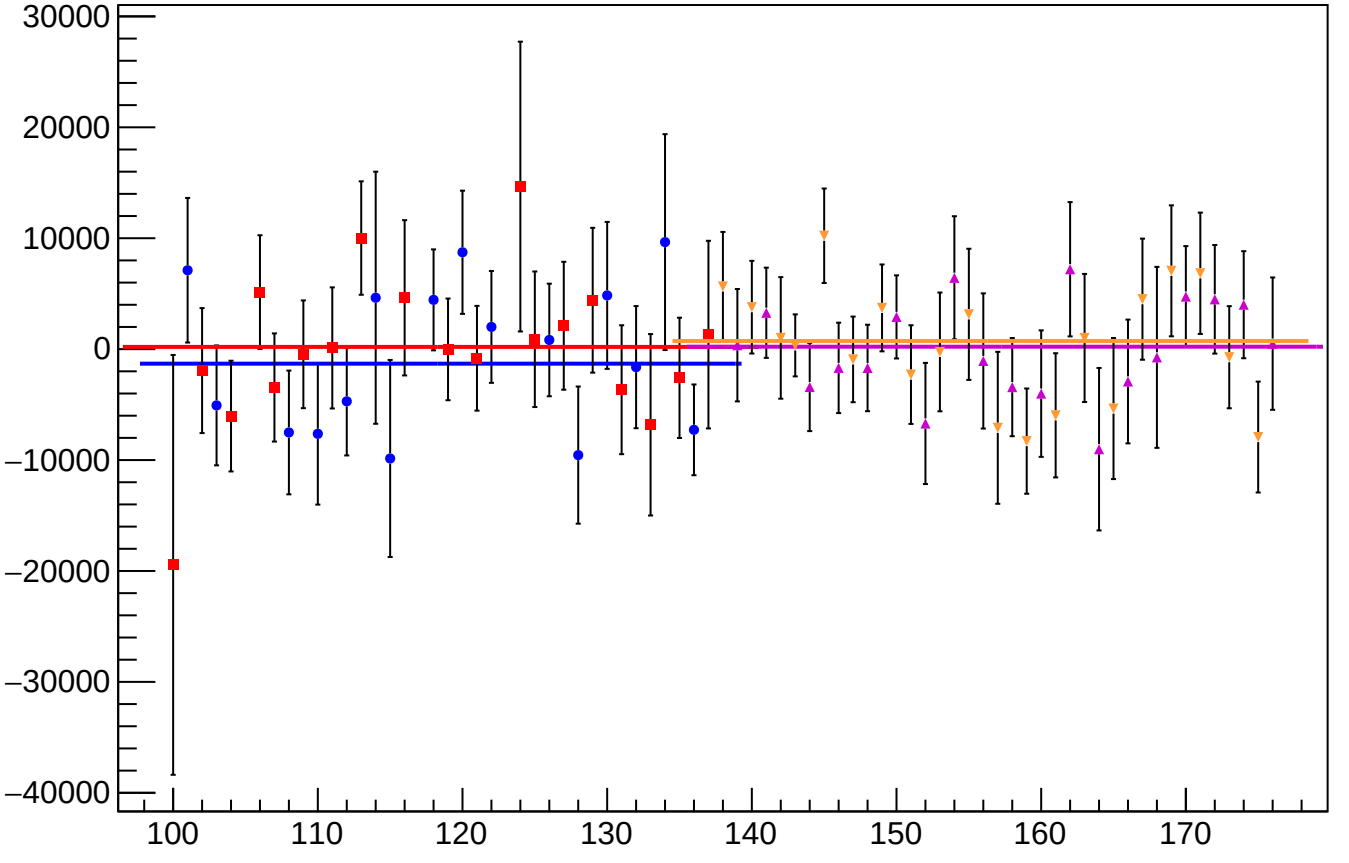
Left In: 4324.920+/-0.792 χ^2/NDF:1048987.2/18

\+ sign 3833.601+/-0.581 χ^2/NDF: 2146988.1/35

All: 3815.519+/-0.410 χ^2/NDF: 4922745.6/73

\- sign 3797.549+/-0.579 χ^2/NDF: 2773824.8/37

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 730.737+/-1056.069 χ^2/NDF:21.2/19

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

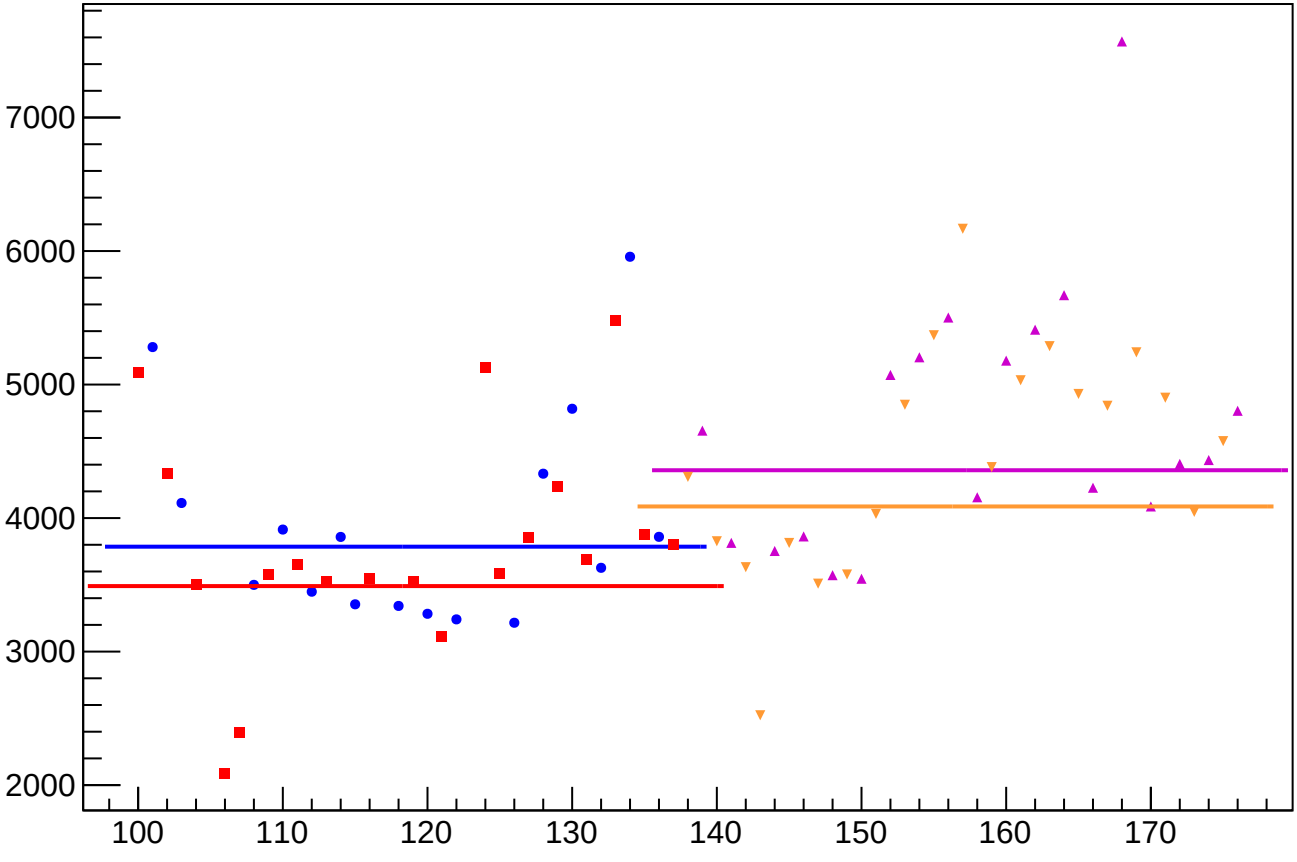
Left In: 220.440+/-1125.949 χ^2/NDF:12.1/18

\+ sign 11.814+/-849.857 χ^2/NDF: 40.1/35

All: 110.908+/-604.835 χ^2/NDF: 63.9/73

\- sign 212.614+/-860.983 χ^2/NDF: 23.8/37

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4086.971+/-0.747 χ^2/NDF:1422530.3/19

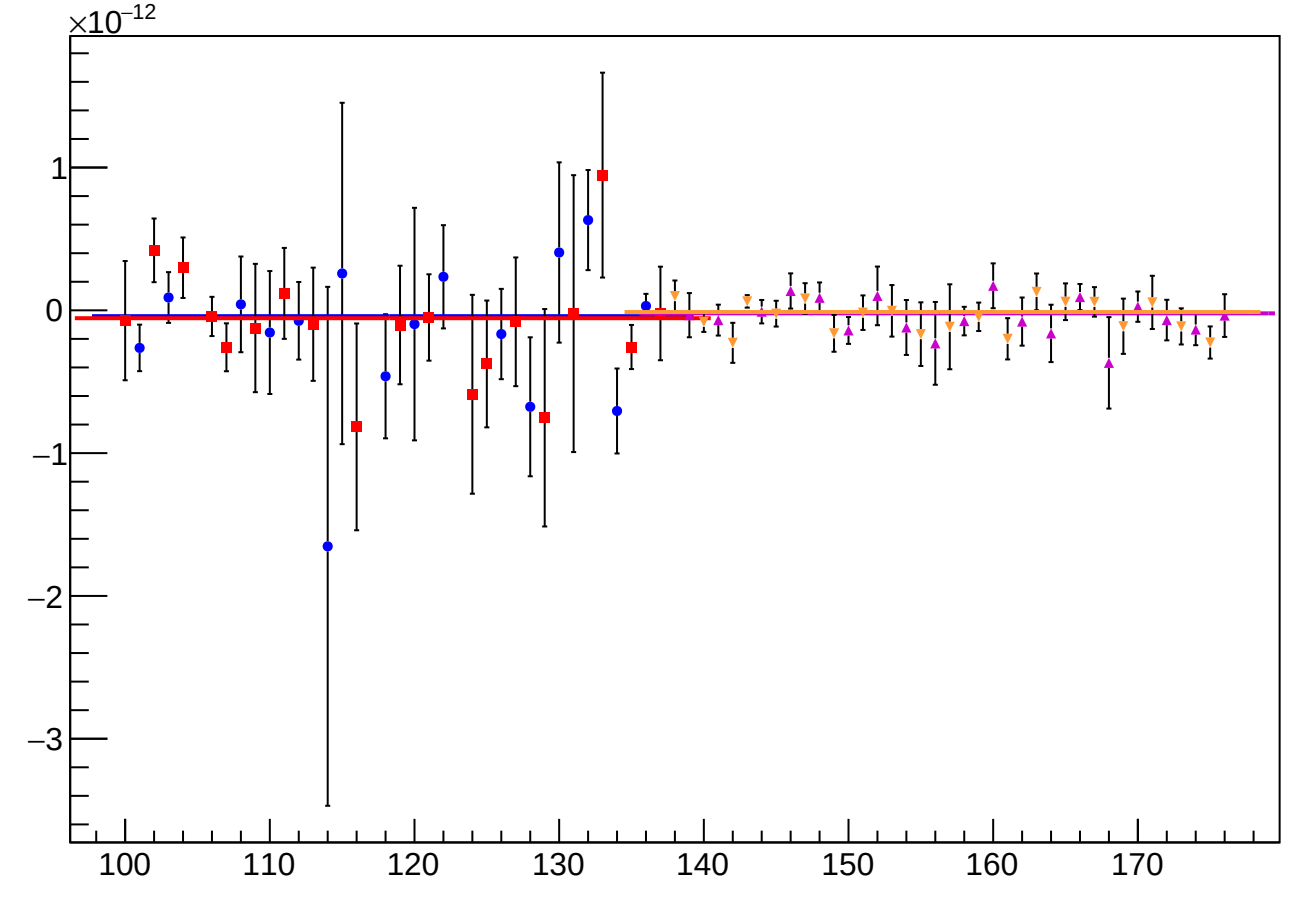
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4358.299+/-0.796 χ^2/NDF:945027.1/18

\+ sign 3980.828+/-0.601 χ^2/NDF: 1862853.9/35

All: 3986.460+/-0.426 χ^2/NDF: 3895943.0/73

\- sign 3992.174+/-0.605 χ^2/NDF: 2032912.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/19

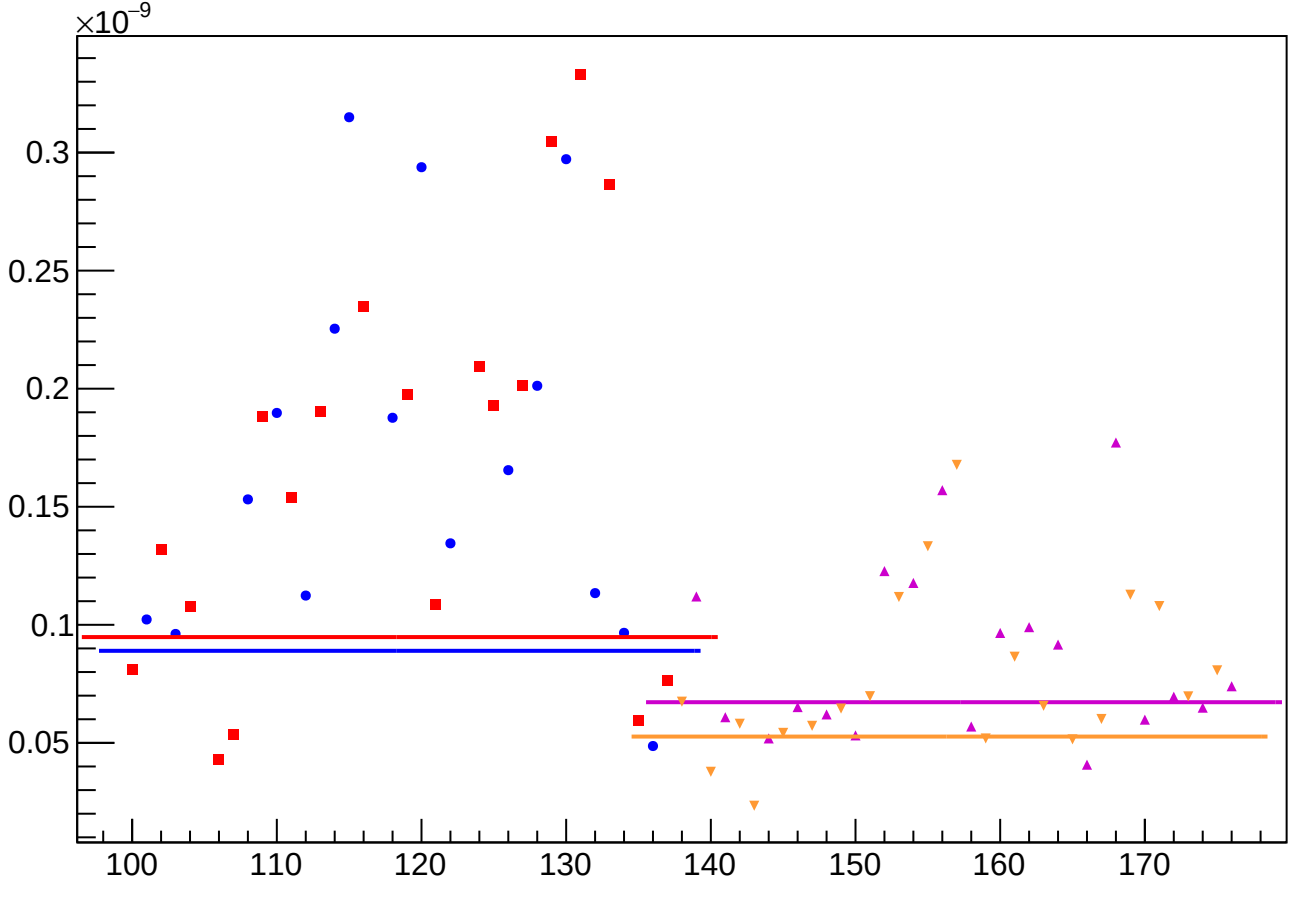
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/35

All: -0.000+/-0.000 χ^2/NDF: 63.6/73

- sign -0.000+/-0.000 χ^2/NDF: 28.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2521984.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

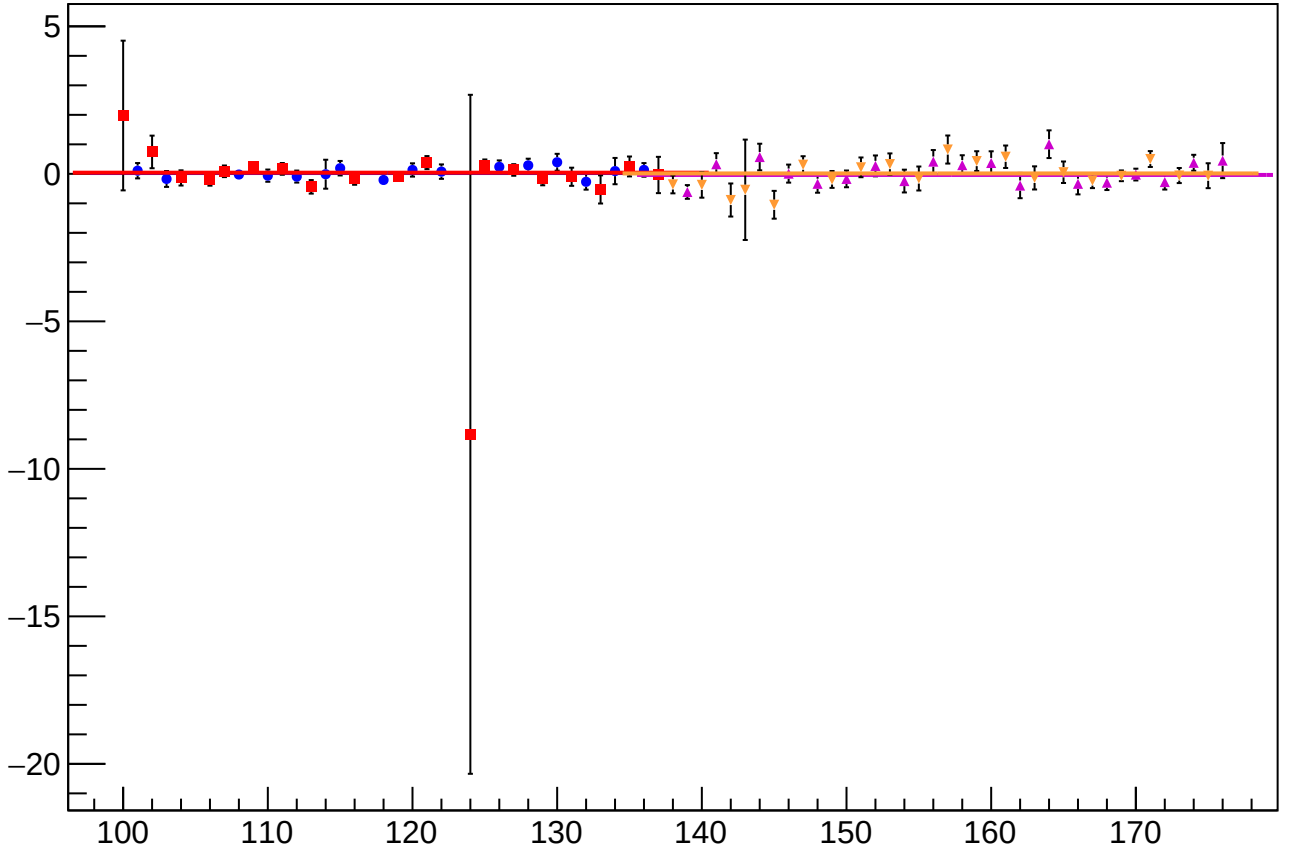
Left In: 0.000+/-0.000 χ^2/NDF:1380140.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 4636836.9/35

All: 0.000+/-0.000 χ^2/NDF: 8408038.5/73

- sign 0.000+/-0.000 χ^2/NDF: 3423726.1/37

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

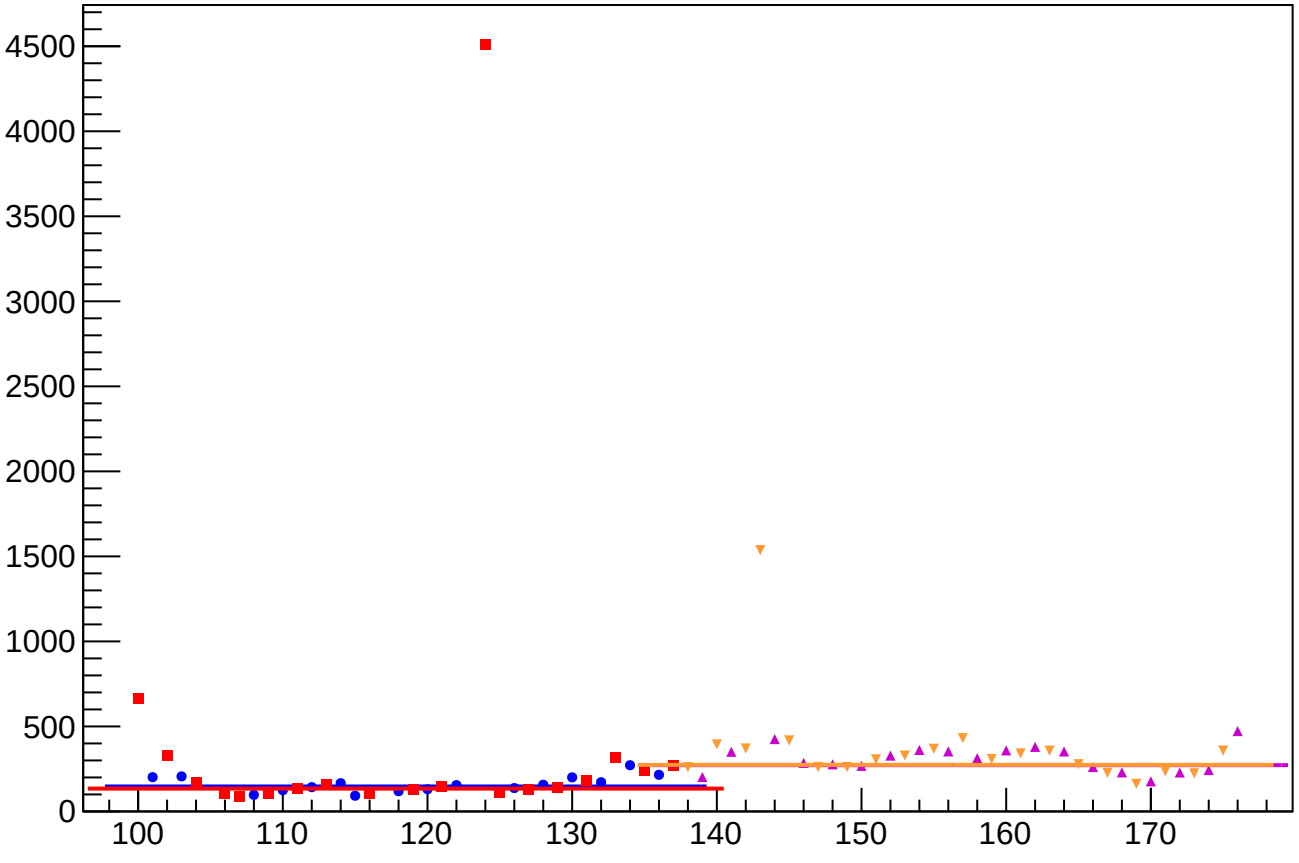
Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.017+/-0.031 χ^2/NDF: 80.3/73

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37

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: 274.041+/-0.052 χ^2/NDF:3092245.2/19

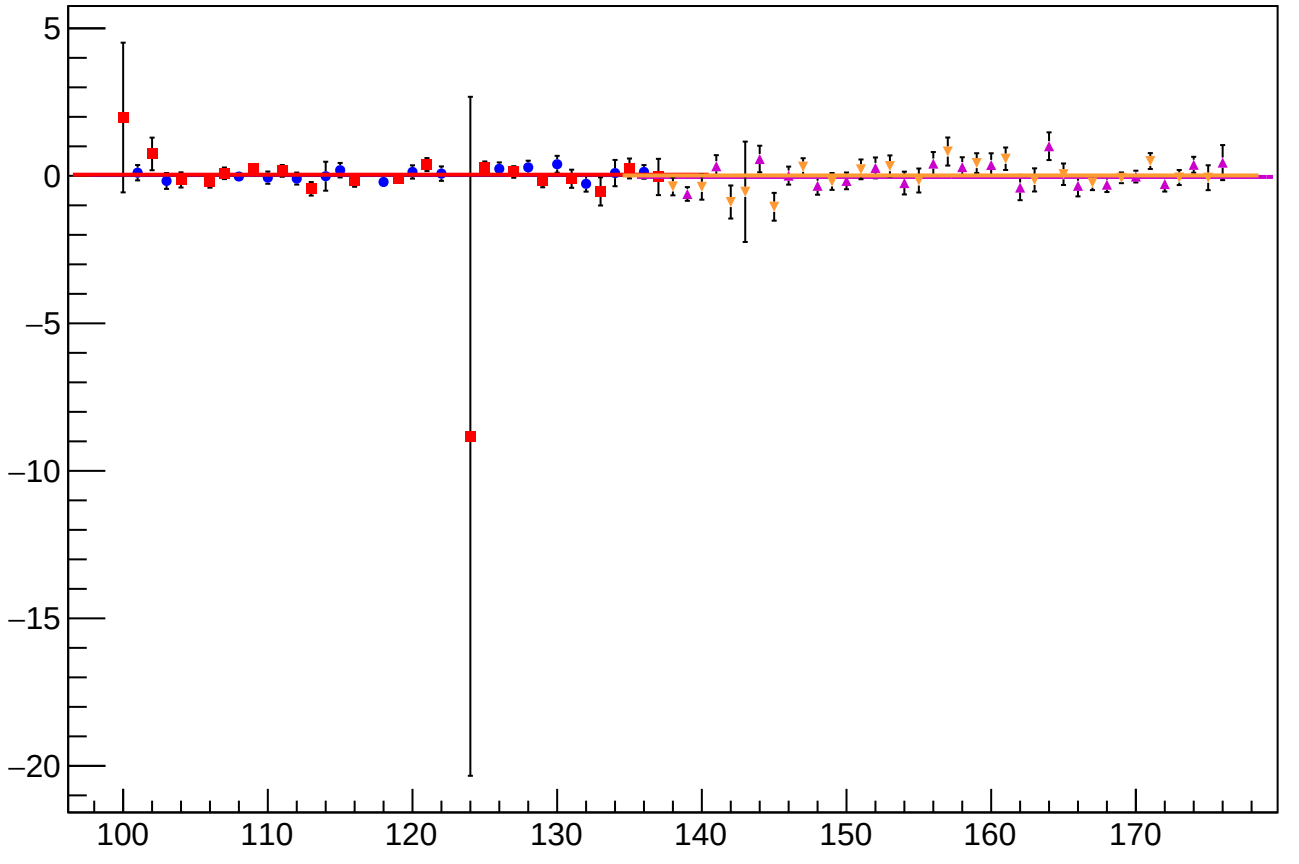
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

+ sign 195.414+/-0.032 χ^2/NDF: 7803505.3/35

All: 189.900+/-0.022 χ^2/NDF: 15961170.6/73

- sign 184.794+/-0.031 χ^2/NDF: 8100751.7/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

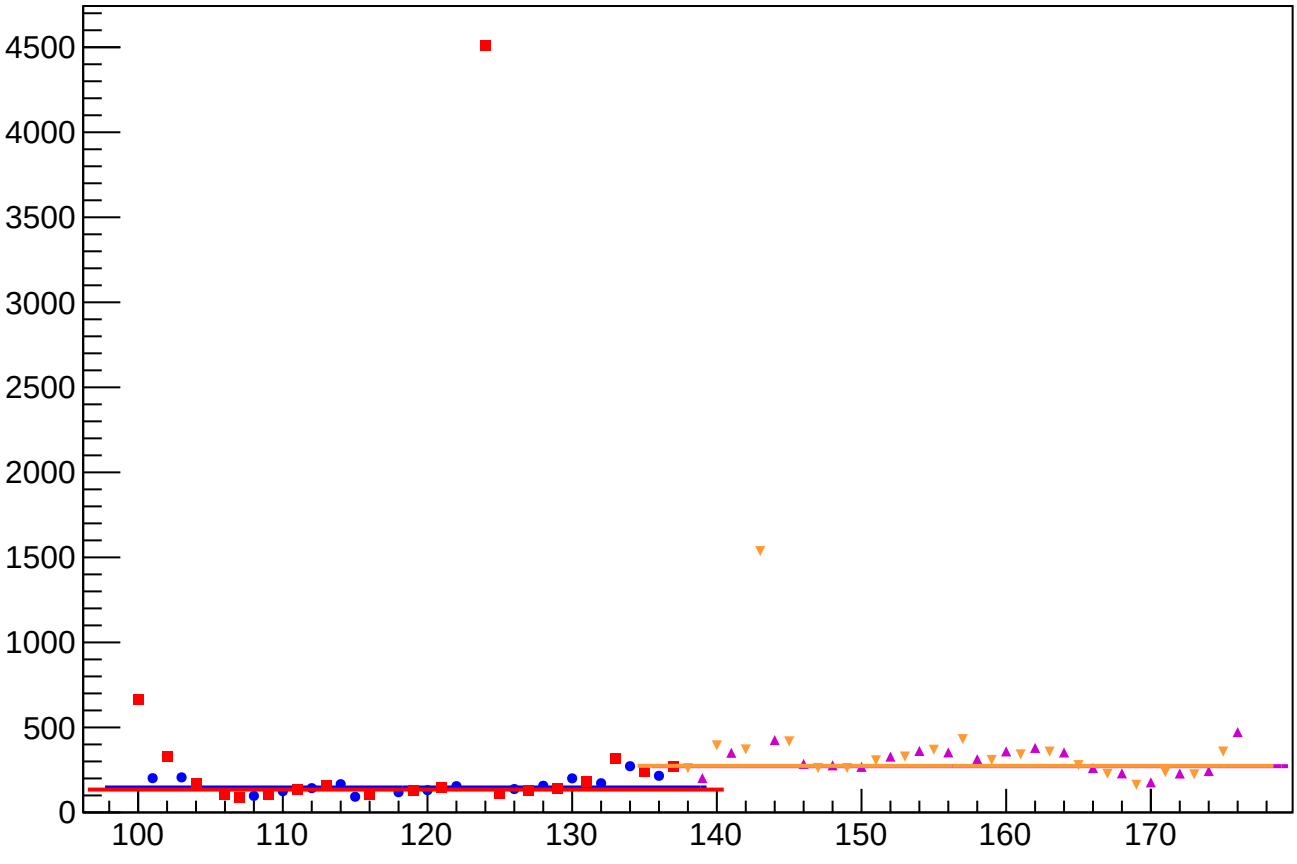
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.017+/-0.031 χ^2/NDF: 80.3/73

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

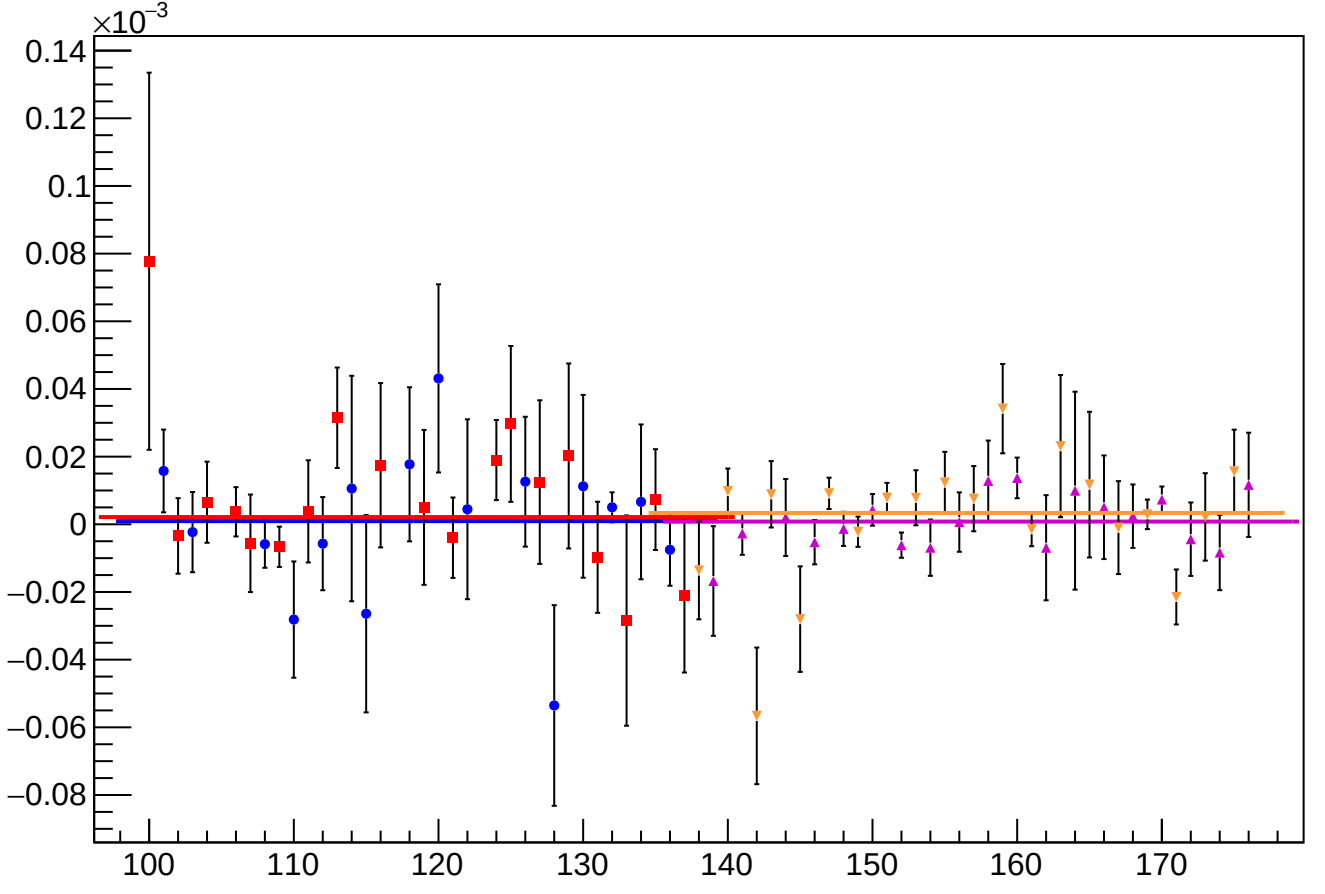
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

+ sign 195.414+/-0.032 χ^2/NDF: 7803505.3/35

All: 189.900+/-0.022 χ^2/NDF: 15961170.6/73

- sign 184.794+/-0.031 χ^2/NDF: 8100751.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.0/19

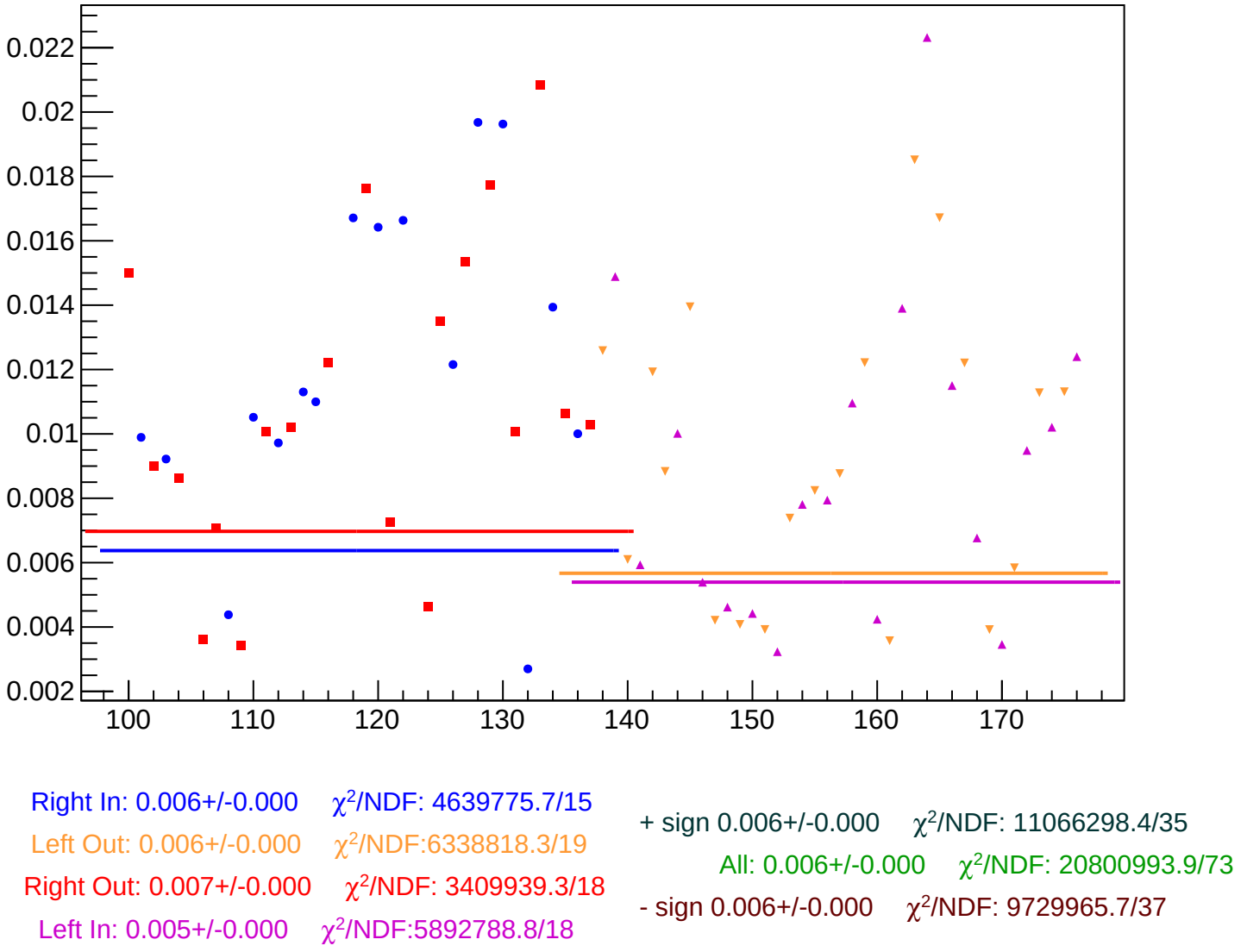
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

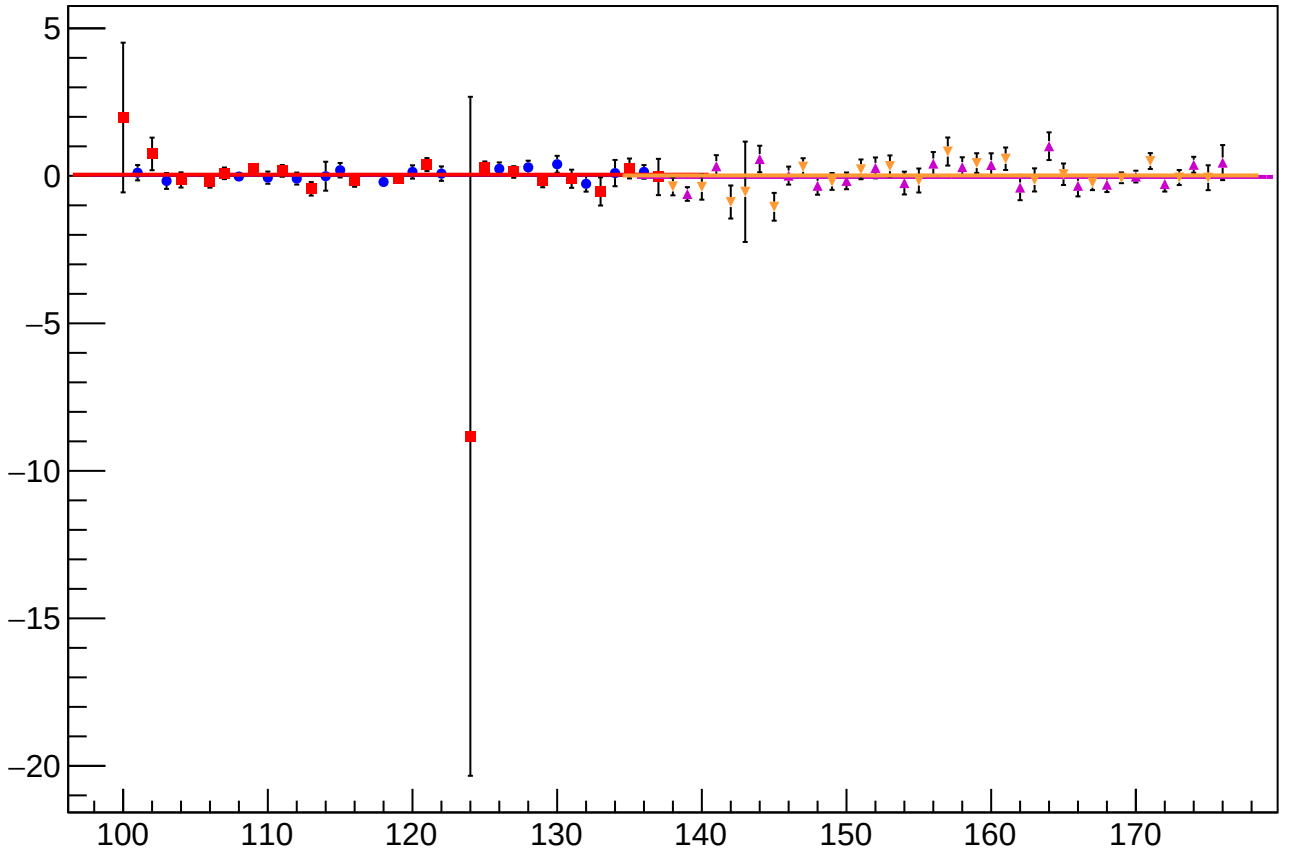
Left In: 0.000+/-0.000 χ^2/NDF:17.8/18

\+ sign 0.000+/-0.000 χ^2/NDF: 54.4/35

All: 0.000+/-0.000 χ^2/NDF: 89.1/73

\- sign 0.000+/-0.000 χ^2/NDF: 34.0/37


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.006+/-0.000 χ²/NDF:6338818.3/19
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.005+/-0.000 χ²/NDF:5892788.8/18
+ sign 0.006+/-0.000 χ²/NDF: 11066298.4/35
All: 0.006+/-0.000 χ²/NDF: 20800993.9/73
- sign 0.006+/-0.000 χ²/NDF: 9729965.7/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

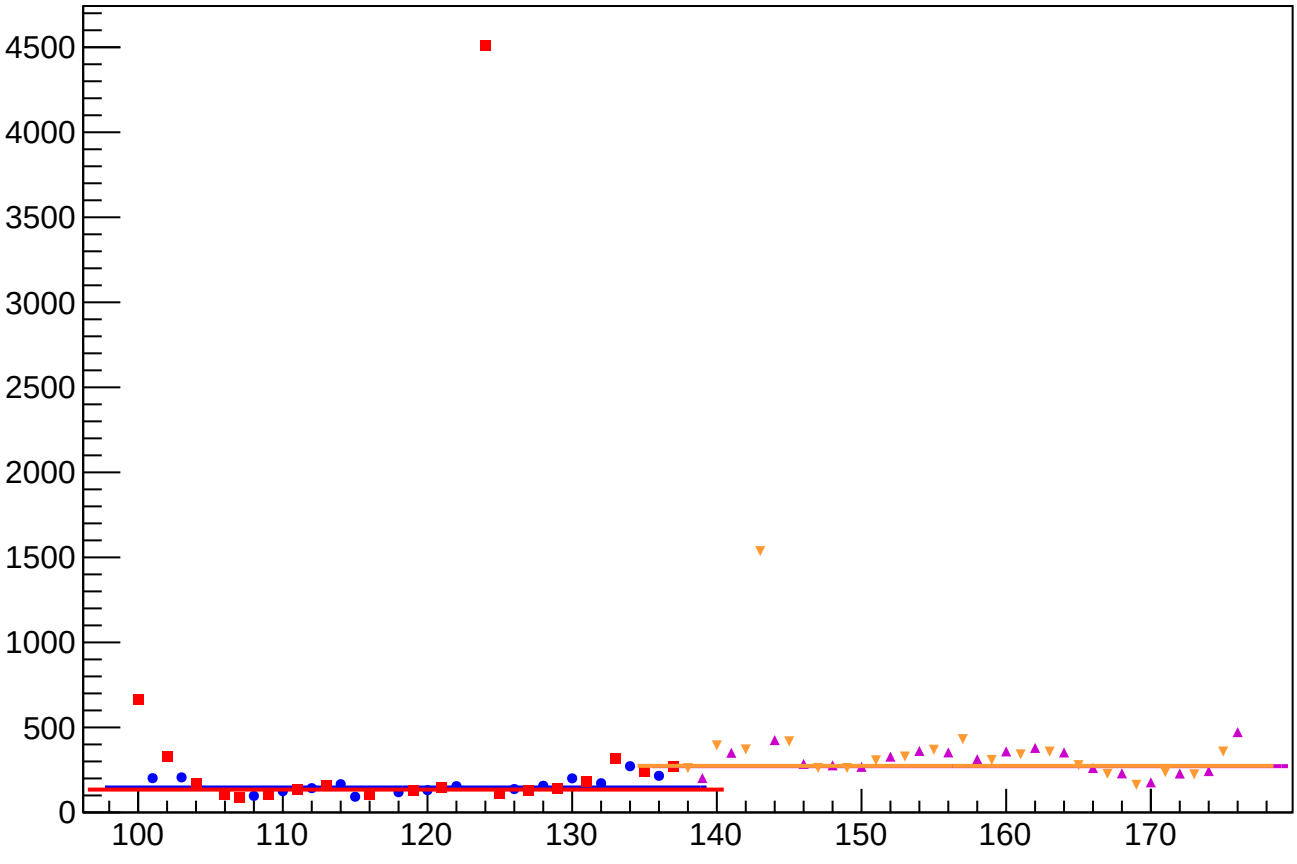
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.017+/-0.031 χ^2/NDF: 80.3/73

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

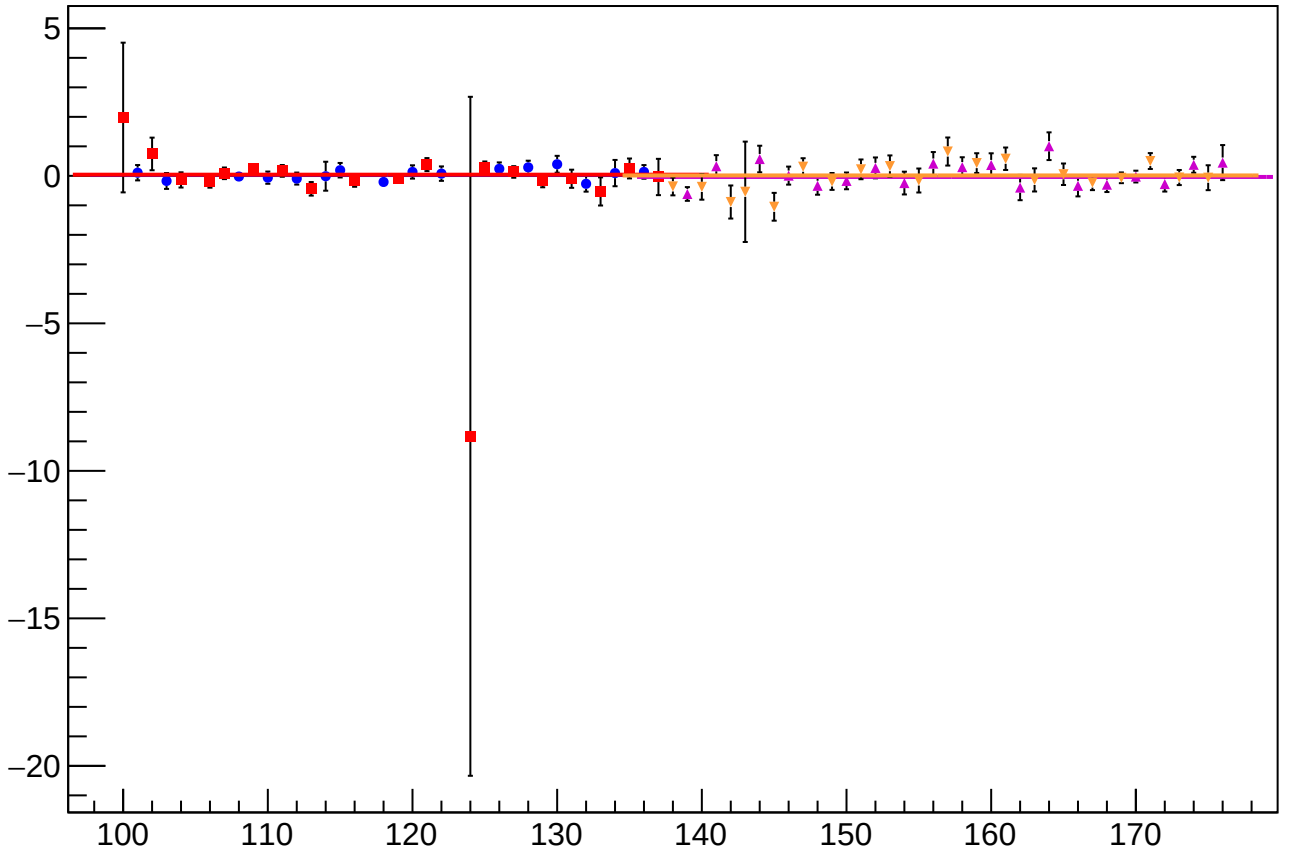
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

+ sign 195.414+/-0.032 χ^2/NDF: 7803580.4/35

All: 189.900+/-0.022 χ^2/NDF: 15961179.8/73

- sign 184.796+/-0.031 χ^2/NDF: 8100703.5/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

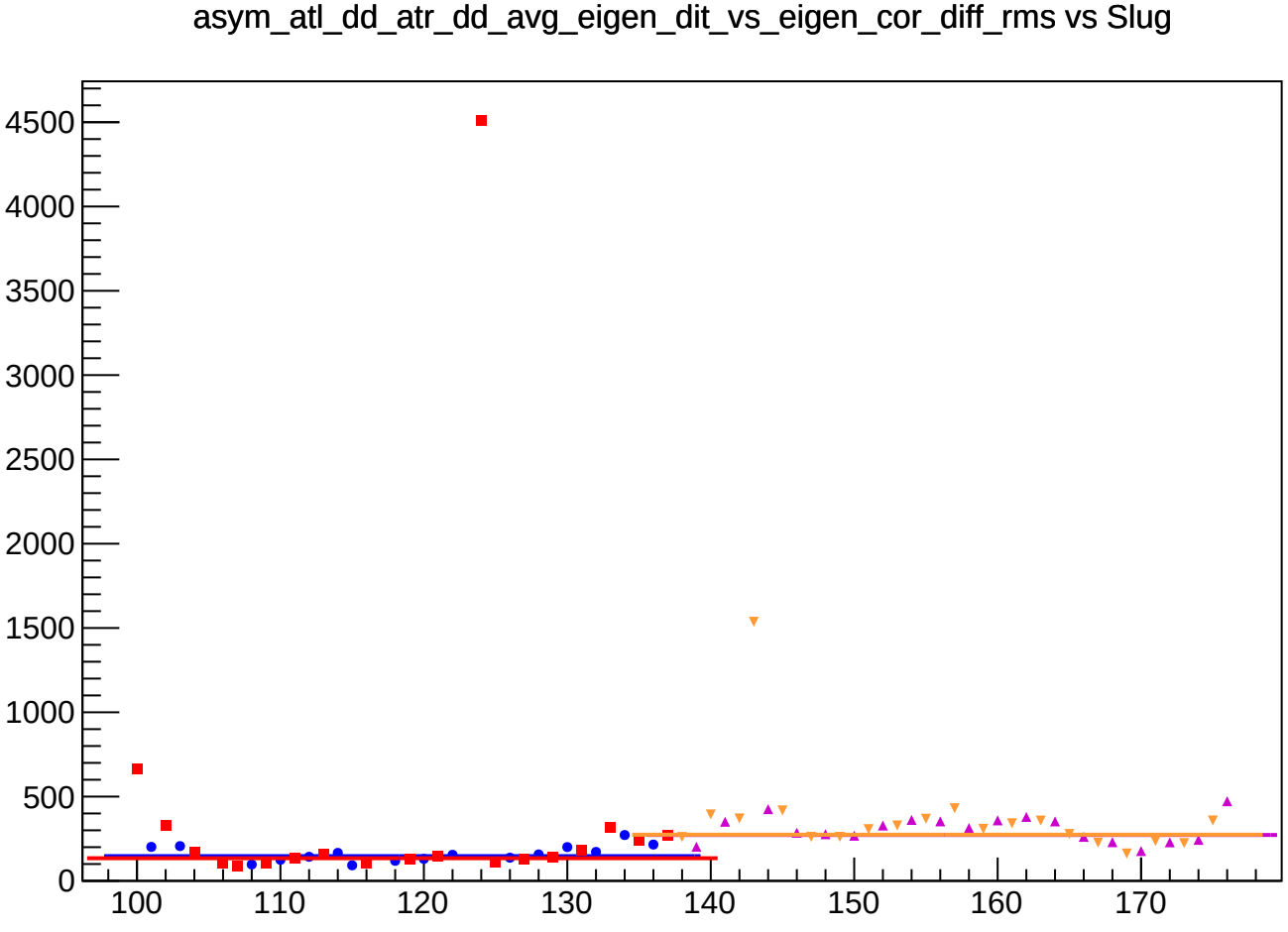
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.017+/-0.031 χ^2/NDF: 80.3/73

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

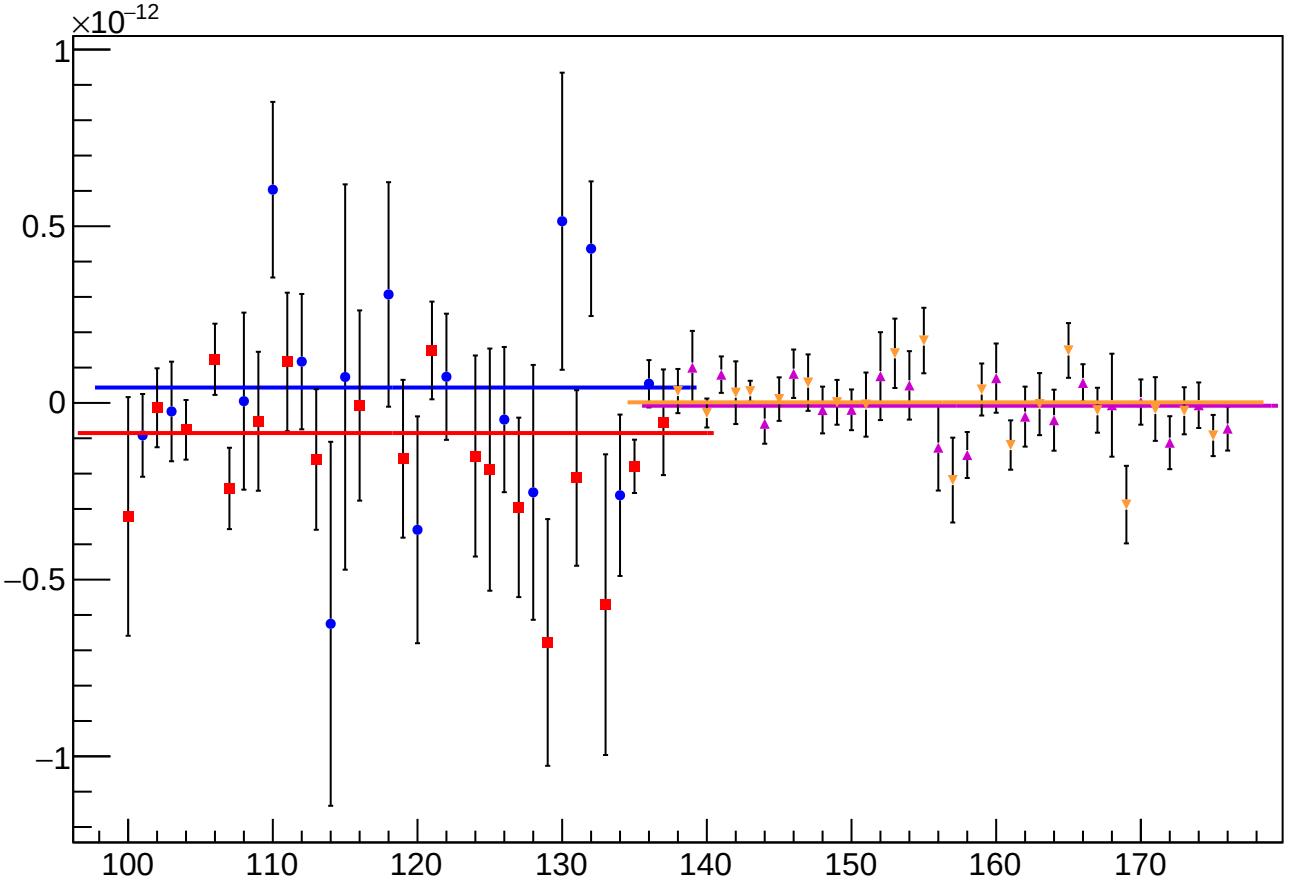
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

+ sign 195.414+/-0.032 χ^2/NDF: 7803580.4/35

All: 189.900+/-0.022 χ^2/NDF: 15961179.8/73

- sign 184.796+/-0.031 χ^2/NDF: 8100703.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

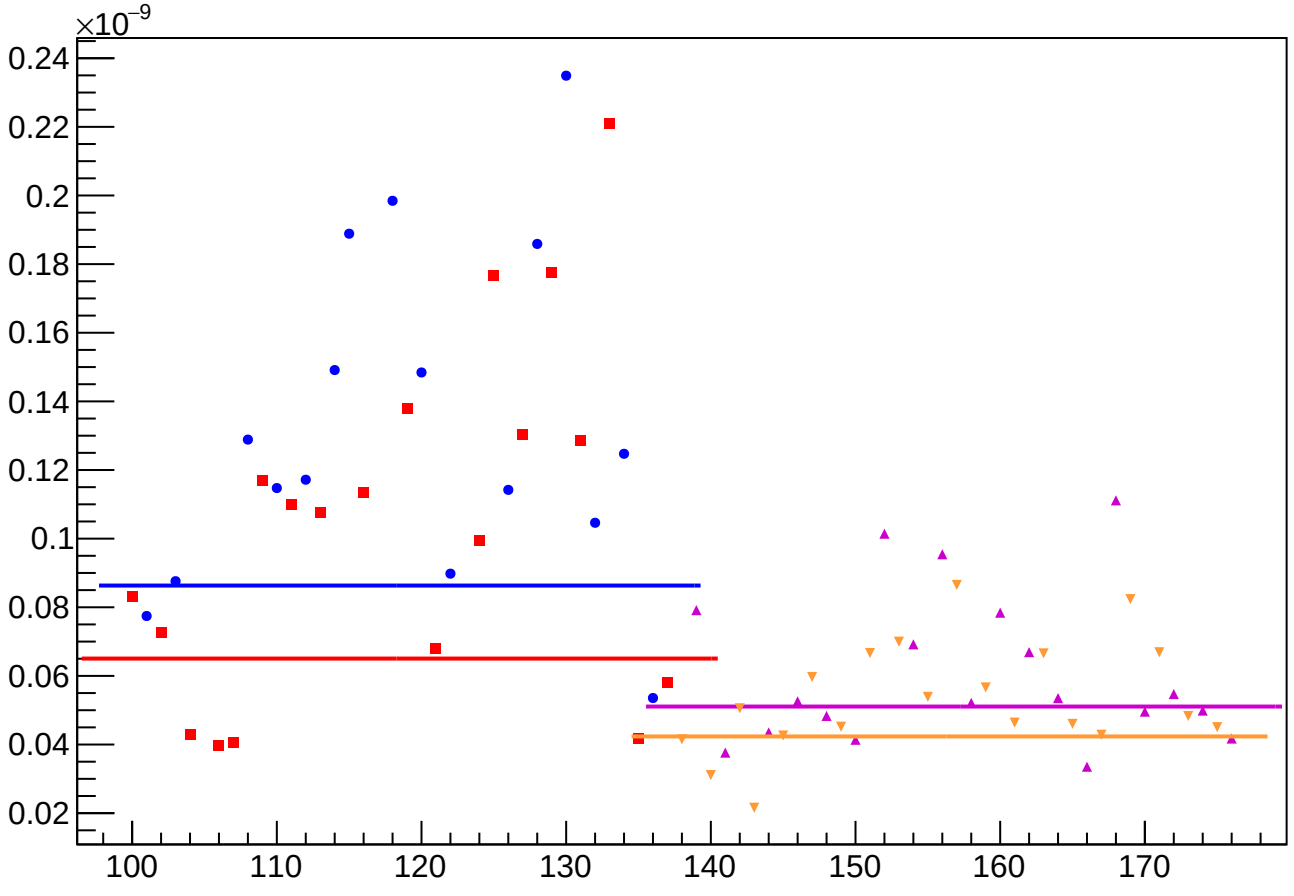
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 48.0/35

All: -0.000+/-0.000 χ^2/NDF: 90.8/73

- sign -0.000+/-0.000 χ^2/NDF: 40.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2525386.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

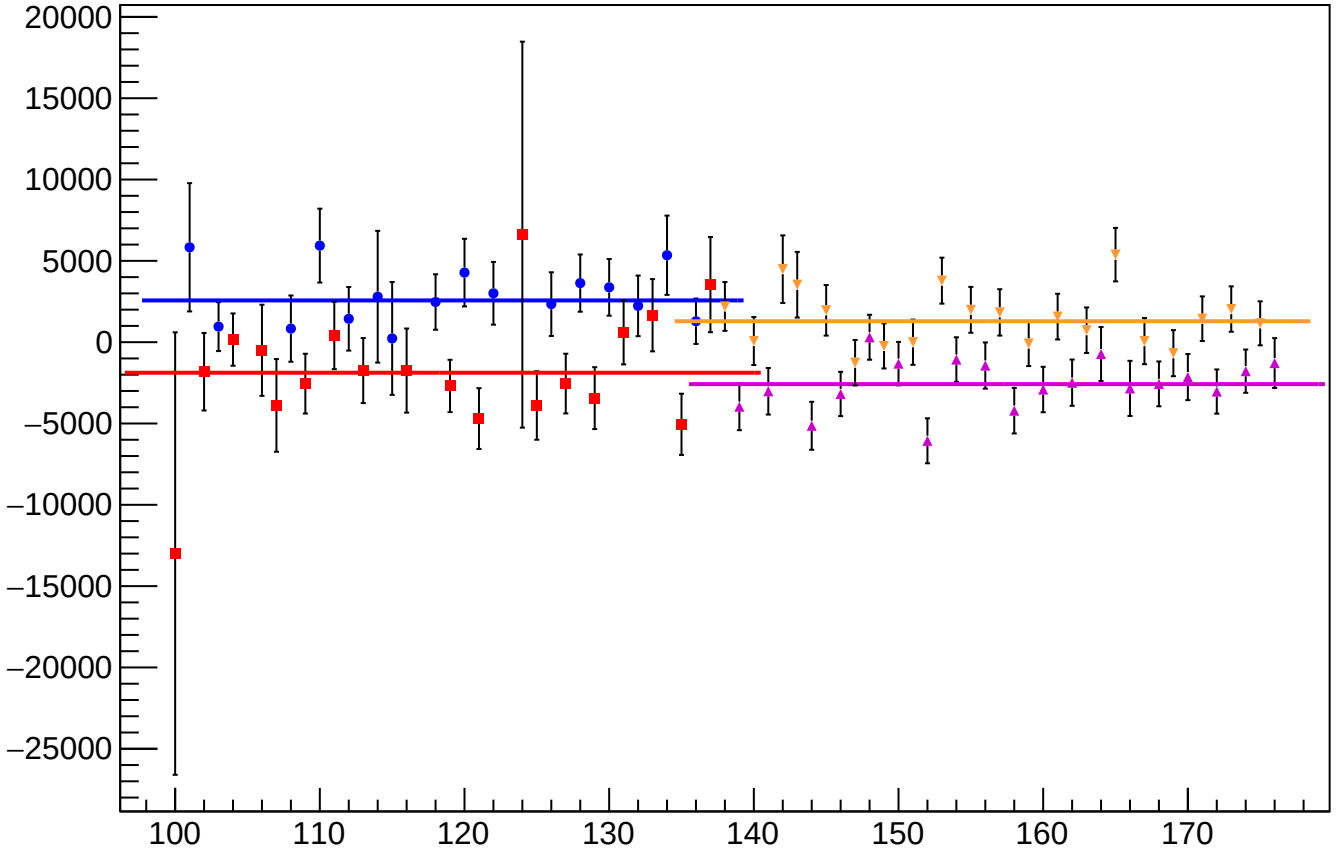
Left In: 0.000+/-0.000 χ^2/NDF:1882647.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 5993964.1/35

All: 0.000+/-0.000 χ^2/NDF: 10540478.8/73

- sign 0.000+/-0.000 χ^2/NDF: 4312802.5/37

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1287.257+/-327.327 χ^2/NDF:24.1/19

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

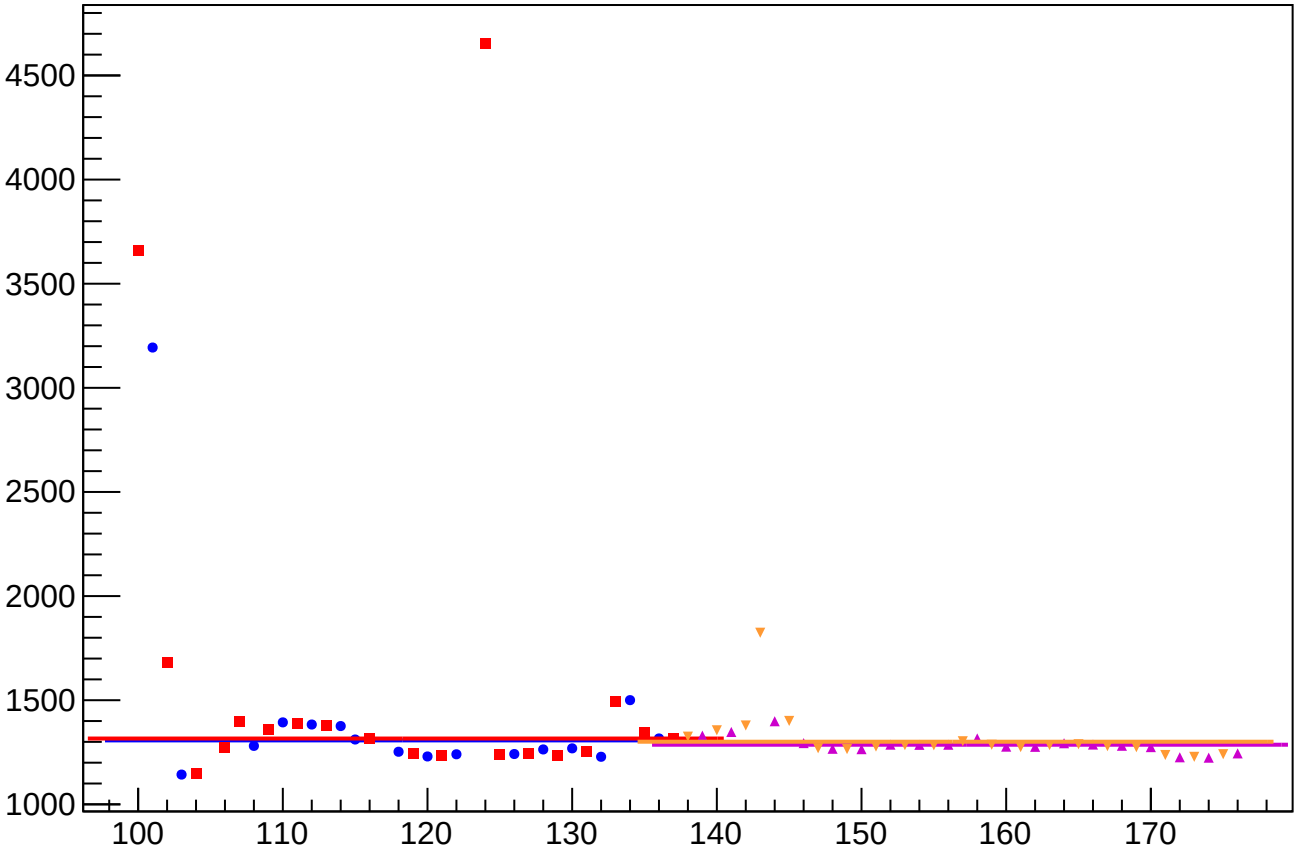
Left In: -2580.368+/-326.440 χ^2/NDF:21.7/18

+ sign 1676.346+/-273.092 χ^2/NDF: 37.8/35

All: -350.113+/-192.885 χ^2/NDF: 190.3/73

- sign -2367.328+/-272.469 χ^2/NDF: 42.6/37

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1300.691+/-0.231 χ^2/NDF:168297.0/19

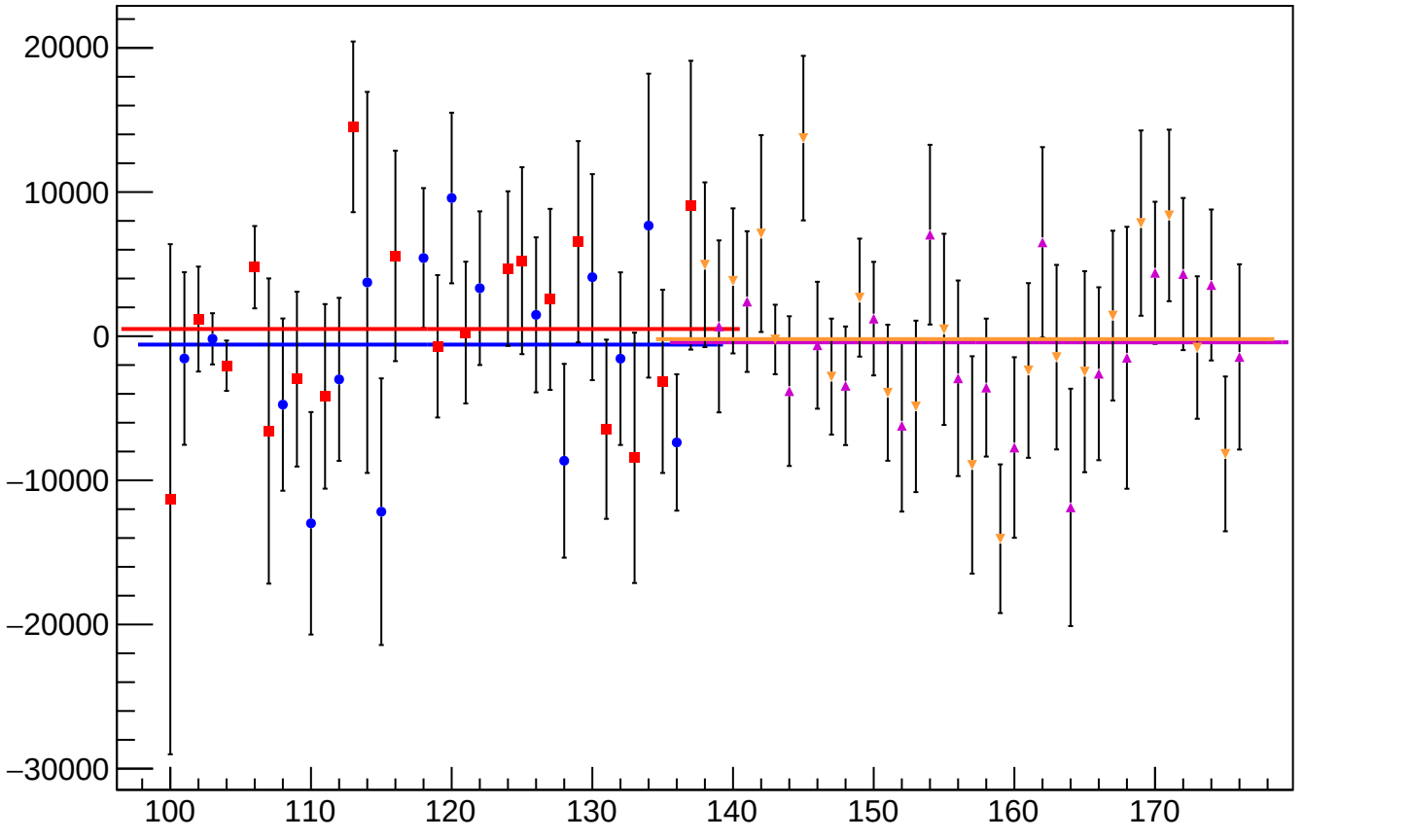
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1286.240+/-0.231 χ^2/NDF:29238.6/18

+ sign 1302.629+/-0.193 χ^2/NDF: 684776.8/35

All: 1298.954+/-0.136 χ^2/NDF: 1046218.4/73

- sign 1295.301+/-0.193 χ^2/NDF: 360719.2/37



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -202.369+/-1120.824 χ^2/NDF:25.5/19

Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

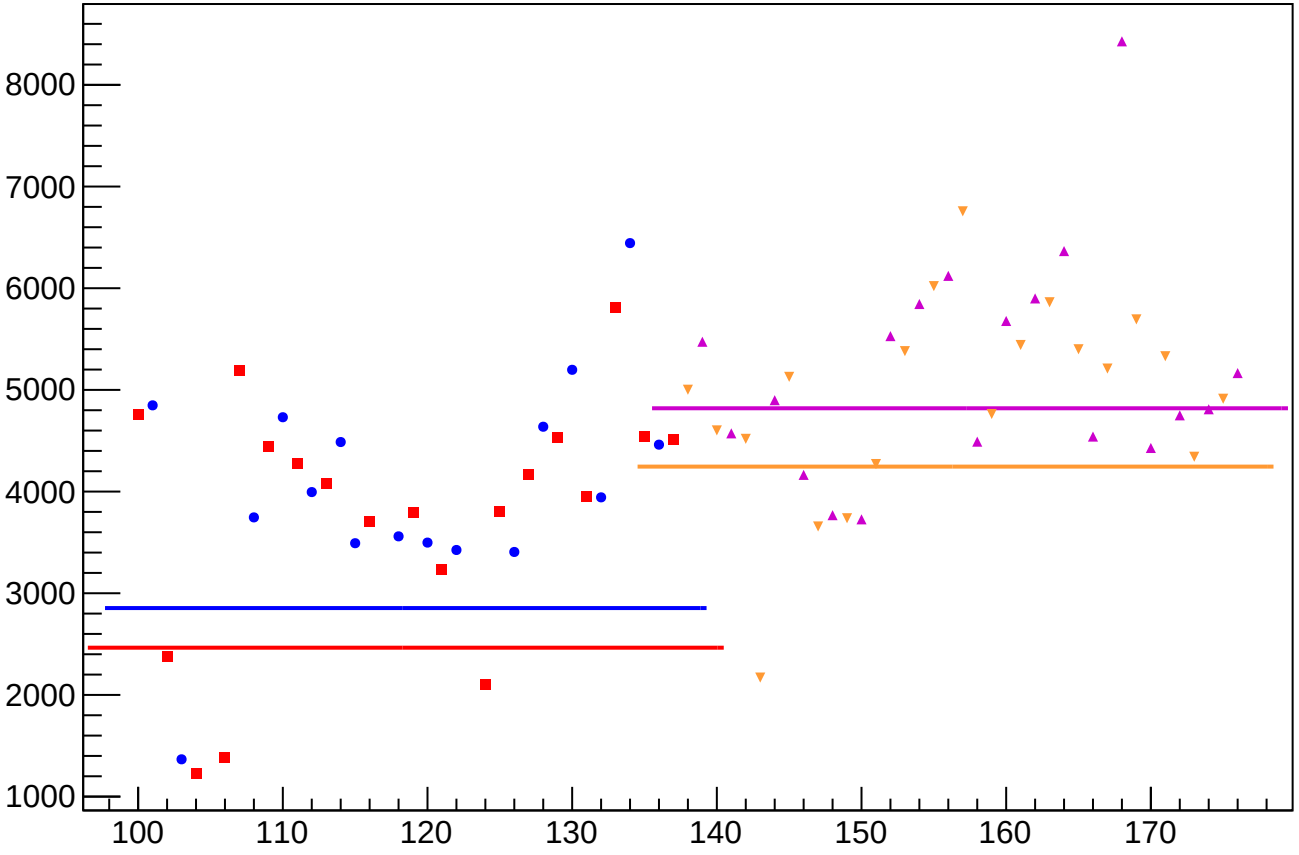
Left In: -426.235+/-1247.599 χ^2/NDF:11.4/18

+ sign -380.277+/-816.822 χ^2/NDF: 40.3/35

All: -129.931+/-573.635 χ^2/NDF: 69.9/73

- sign 113.690+/-805.776 χ^2/NDF: 29.4/37

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4245.569+/-0.793 χ^2/NDF:2622986.4/19

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

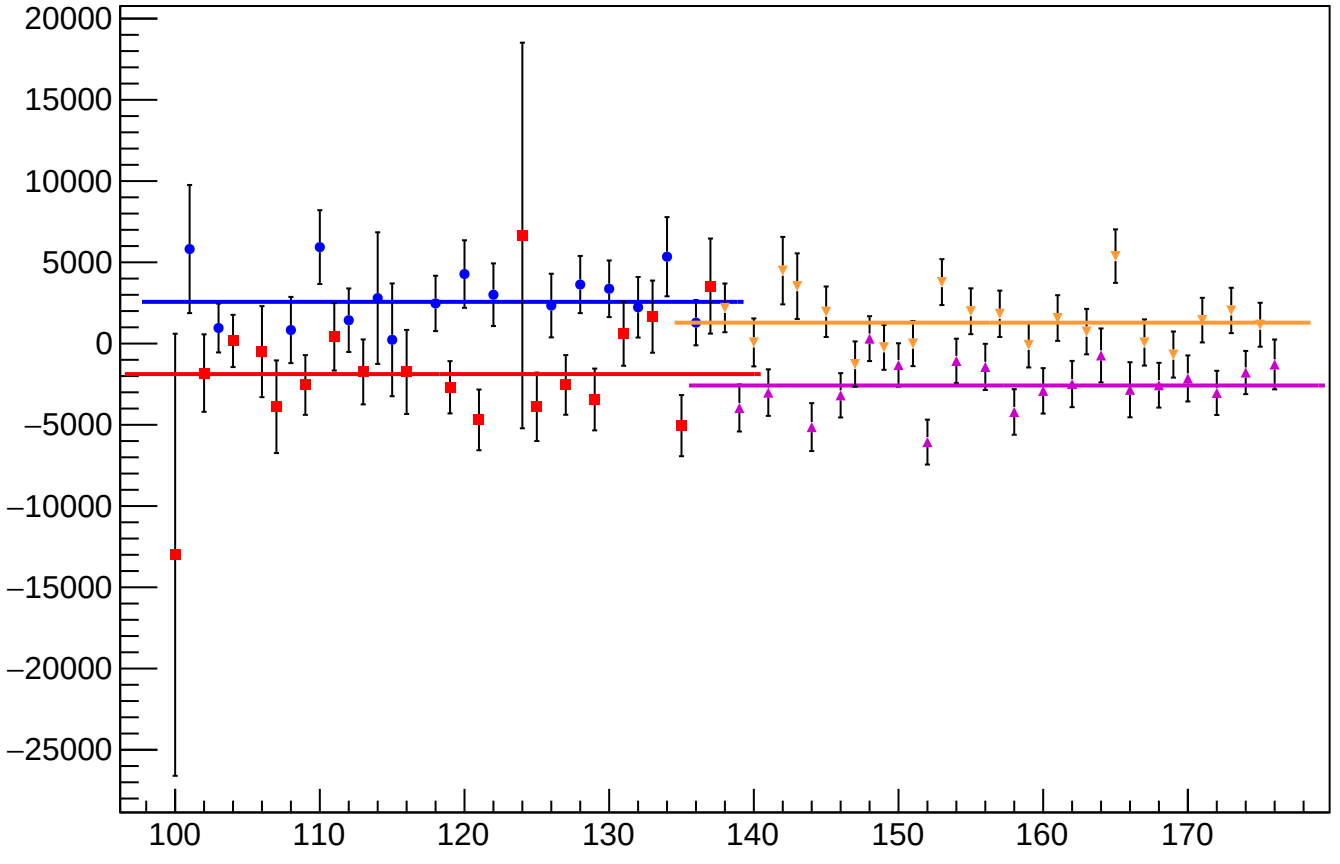
Left In: 4819.254+/-0.882 χ^2/NDF:1024209.6/18

+ sign 3593.210+/-0.578 χ^2/NDF: 6972758.5/35

All: 3519.013+/-0.406 χ^2/NDF: 15537918.7/7

- sign 3446.809+/-0.570 χ^2/NDF: 8532598.6/37

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1287.205+/-327.327 χ^2/NDF:24.1/19

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

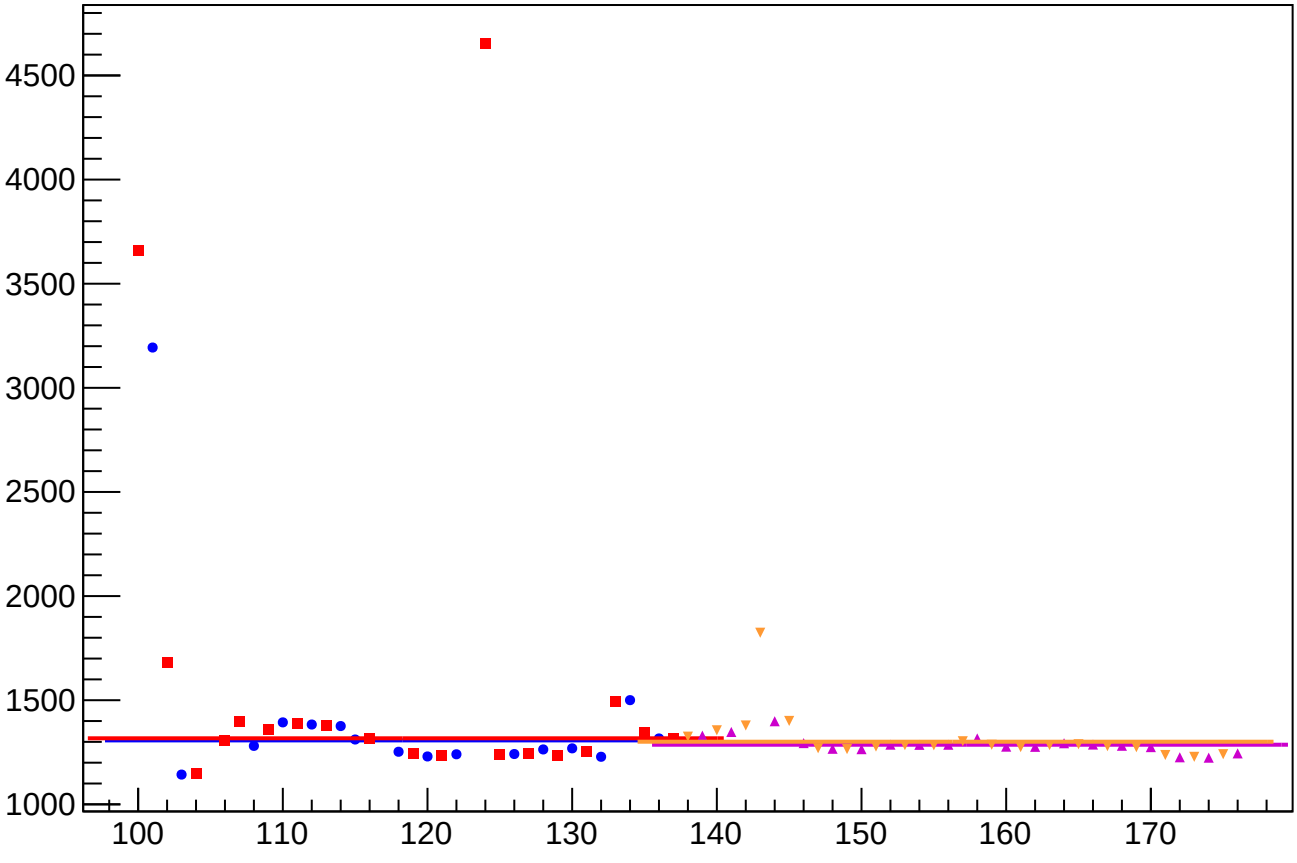
Left In: -2580.385+/-326.440 χ^2/NDF:21.7/18

+ sign 1676.225+/-273.092 χ^2/NDF: 37.8/35

All: -350.141+/-192.885 χ^2/NDF: 190.2/73

- sign -2367.262+/-272.469 χ^2/NDF: 42.6/37

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1300.691+/-0.231 χ^2/NDF:168297.0/19

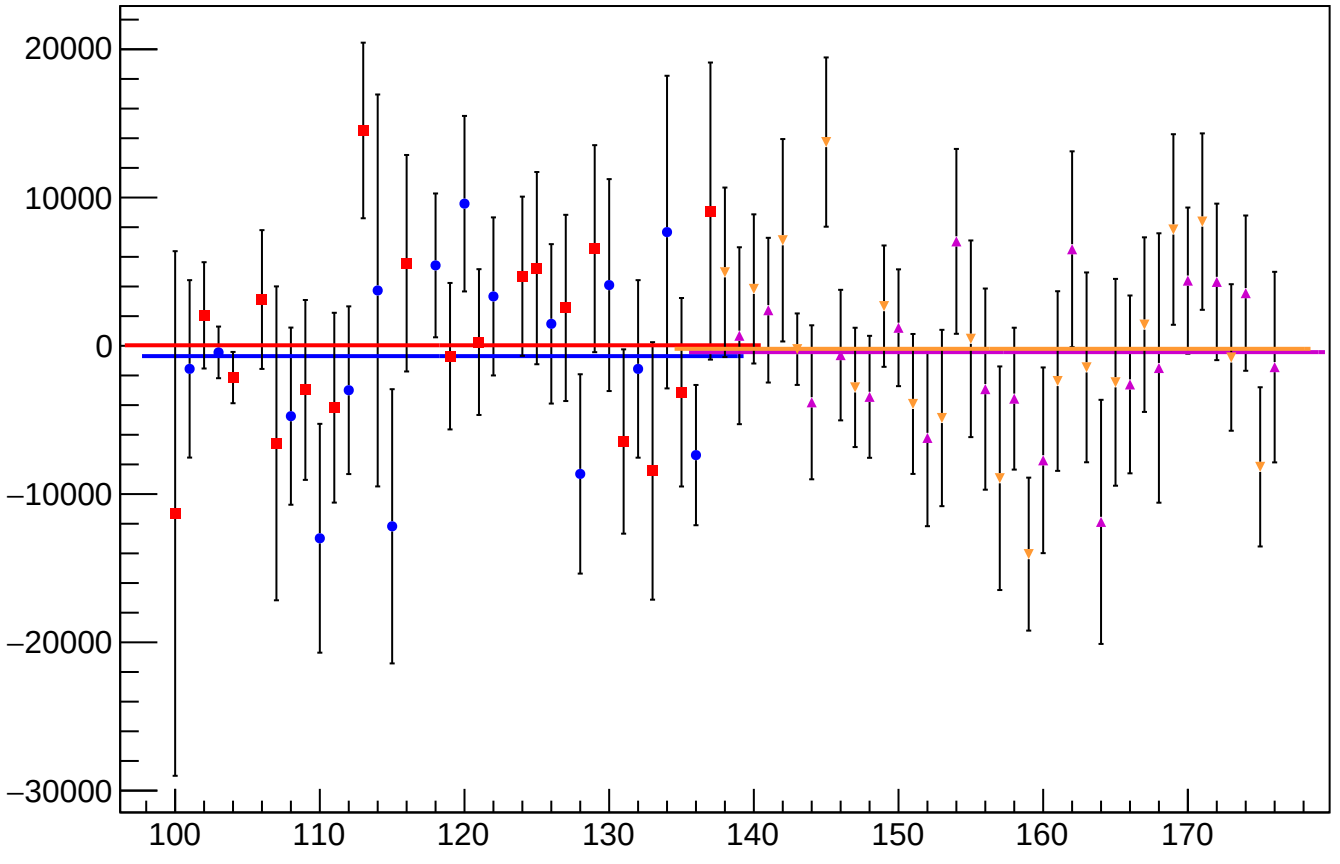
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1286.240+/-0.231 χ^2/NDF:29238.6/18

+ sign 1302.629+/-0.193 χ^2/NDF: 684778.3/35

All: 1299.122+/-0.136 χ^2/NDF: 1046047.6/73

- sign 1295.634+/-0.193 χ^2/NDF: 360611.3/37



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -202.390+/-1120.820 χ^2/NDF:25.5/19

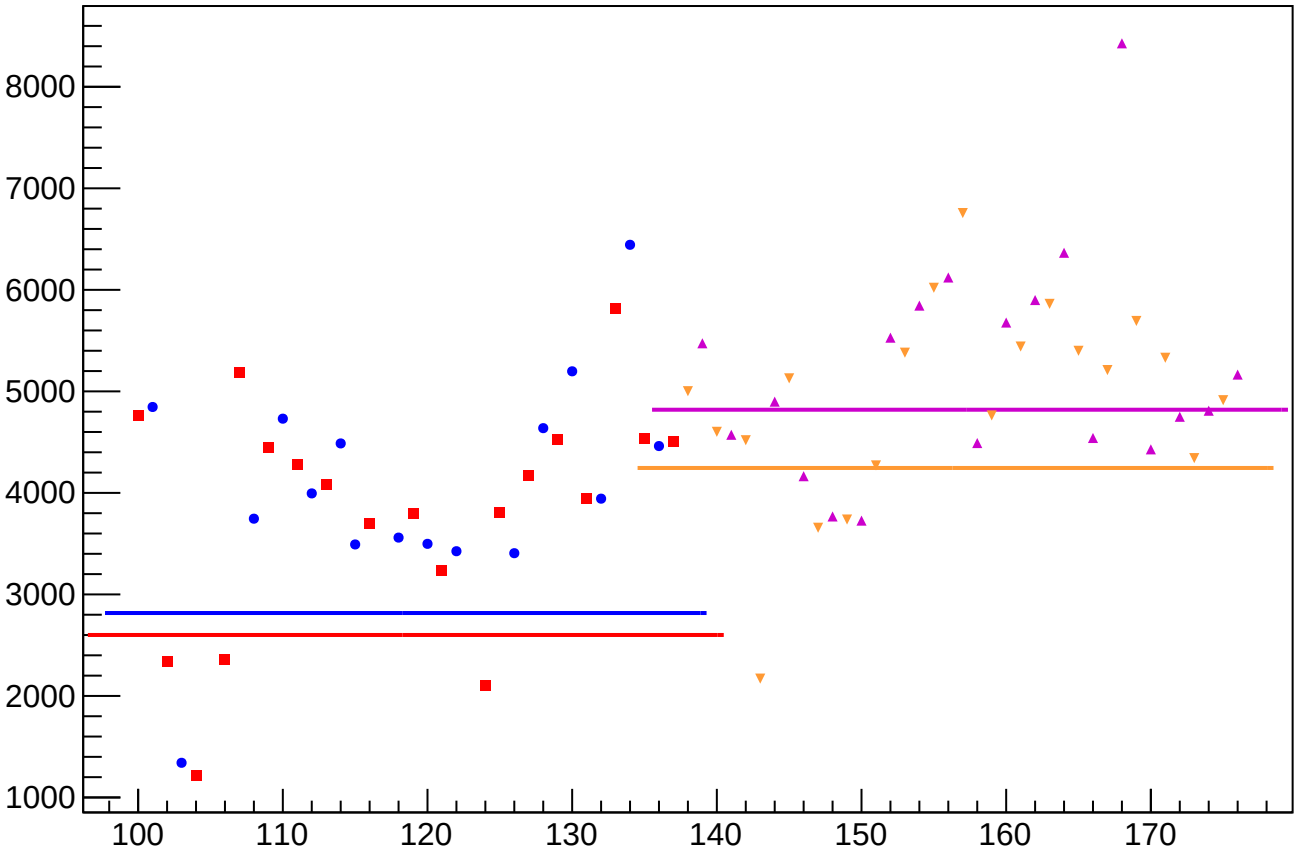
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -426.311+/-1247.599 χ^2/NDF:11.4/18

+ sign -435.645+/-813.449 χ^2/NDF: 40.3/35

All: -302.500+/-579.005 χ^2/NDF: 67.7/73

- sign -165.768+/-824.334 χ^2/NDF: 27.4/37



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4245.549+/-0.793 χ^2/NDF:2623069.0/19

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

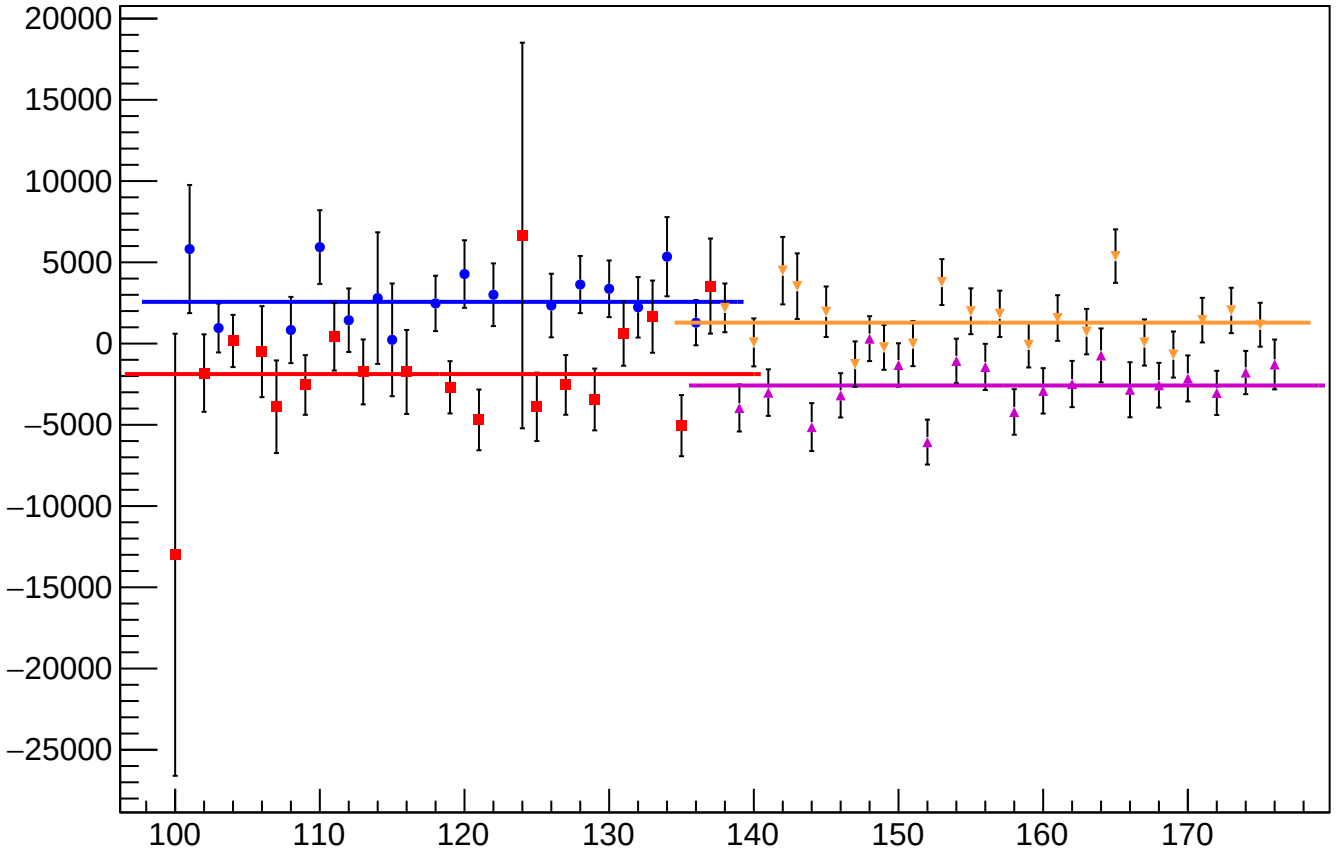
Left In: 4819.254+/-0.882 χ^2/NDF:1024217.0/18

\+ sign 3569.359+/-0.575 χ^2/NDF: 7168751.7/35

All: 3569.261+/-0.409 χ^2/NDF: 14837651.7/

\- sign 3569.161+/-0.583 χ^2/NDF: 7668899.9/37

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1287.205+/-327.327 χ^2/NDF:24.1/19

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

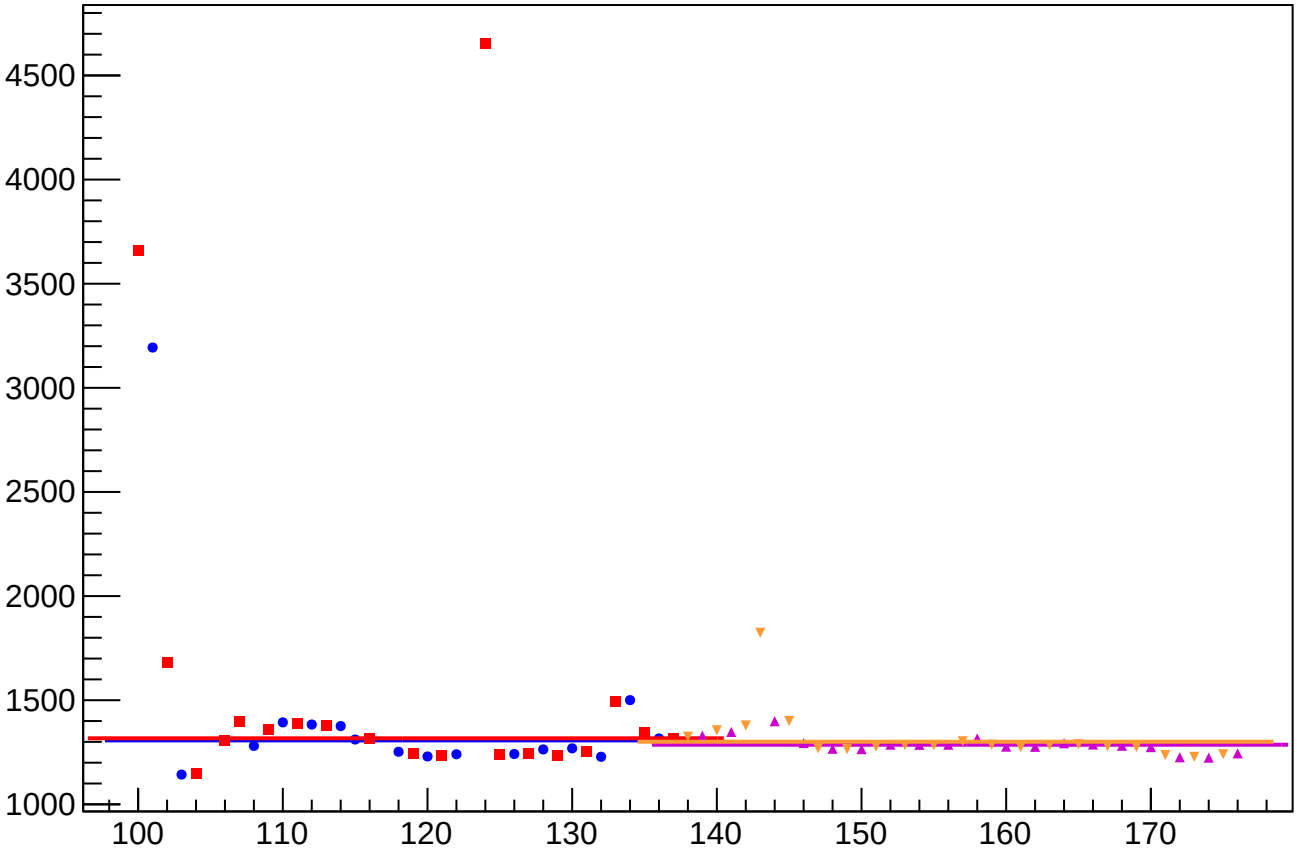
Left In: -2580.385+/-326.440 χ^2/NDF:21.7/18

+ sign 1676.225+/-273.092 χ^2/NDF: 37.8/35

All: -350.141+/-192.885 χ^2/NDF: 190.2/73

- sign -2367.262+/-272.469 χ^2/NDF: 42.6/37

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: 1300.691+/-0.231 χ^2/NDF:168297.0/19

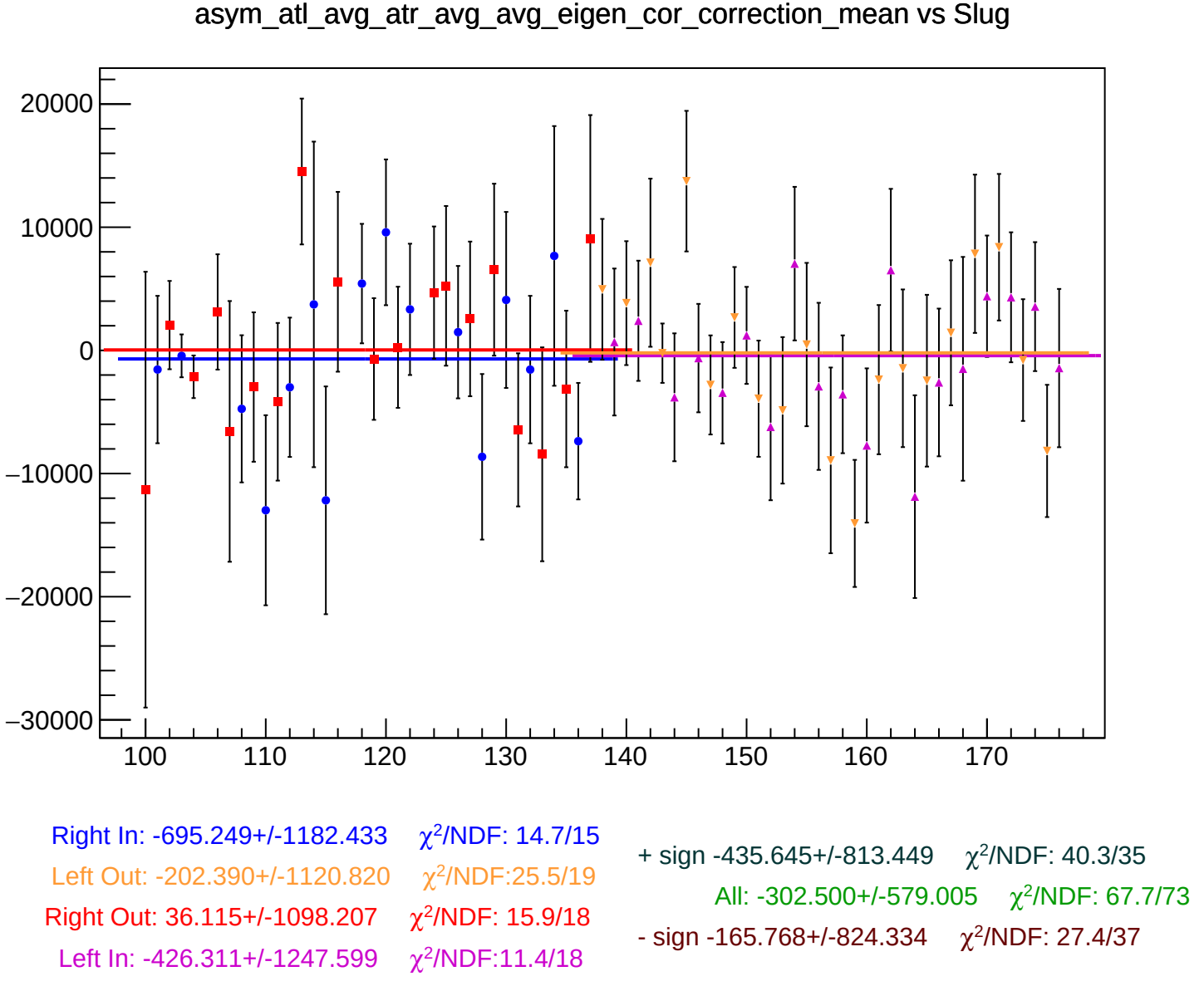
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

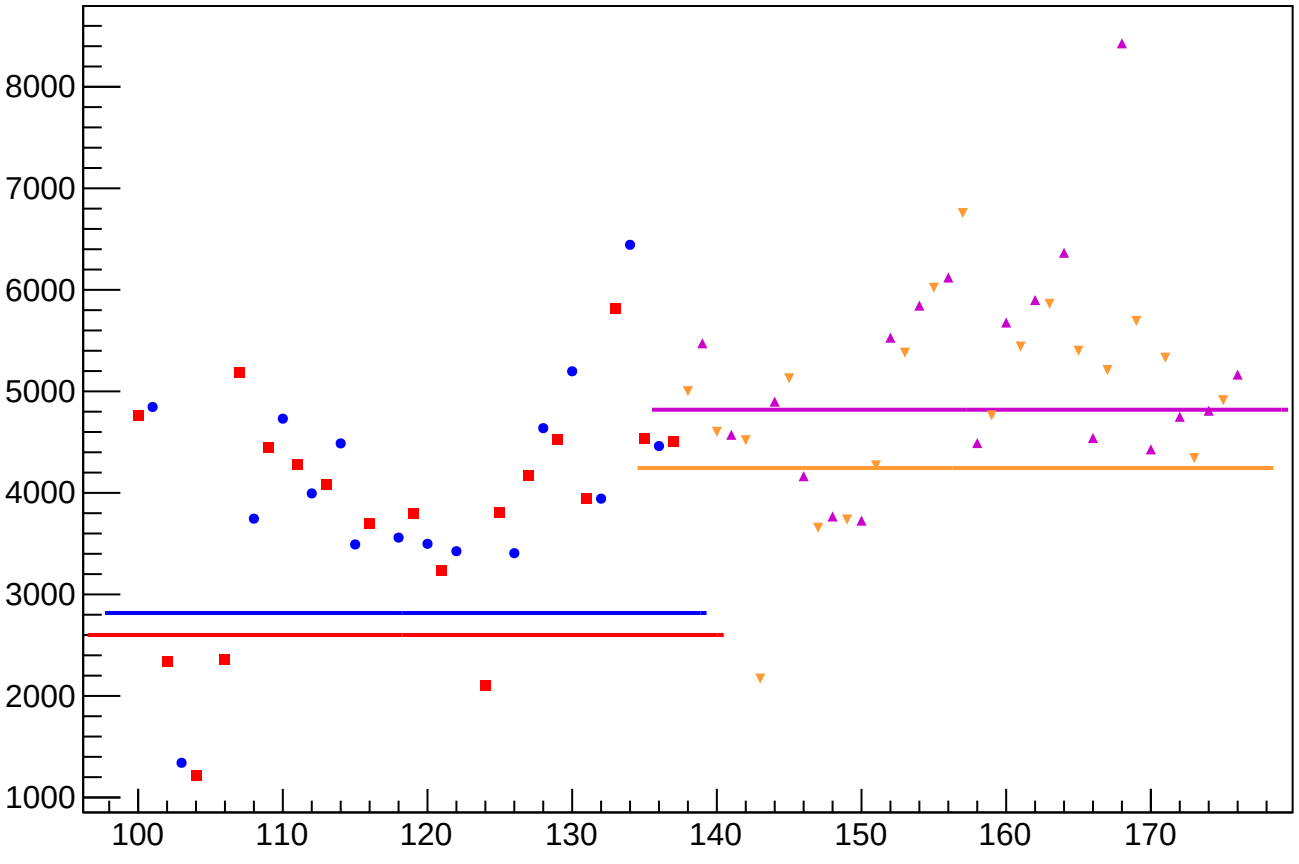
Left In: 1286.240+/-0.231 χ^2/NDF:29238.6/18

+ sign 1302.629+/-0.193 χ^2/NDF: 684778.3/35

All: 1299.122+/-0.136 χ^2/NDF: 1046047.6/73

- sign 1295.634+/-0.193 χ^2/NDF: 360611.3/37


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: -202.390+/-1120.820 χ²/NDF:25.5/19
Right Out: 36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: -426.311+/-1247.599 χ²/NDF:11.4/18
+ sign -435.645+/-813.449 χ²/NDF: 40.3/35
All: -302.500+/-579.005 χ²/NDF: 67.7/73
- sign -165.768+/-824.334 χ²/NDF: 27.4/37



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4245.549+/-0.793 χ^2/NDF:2623069.0/19

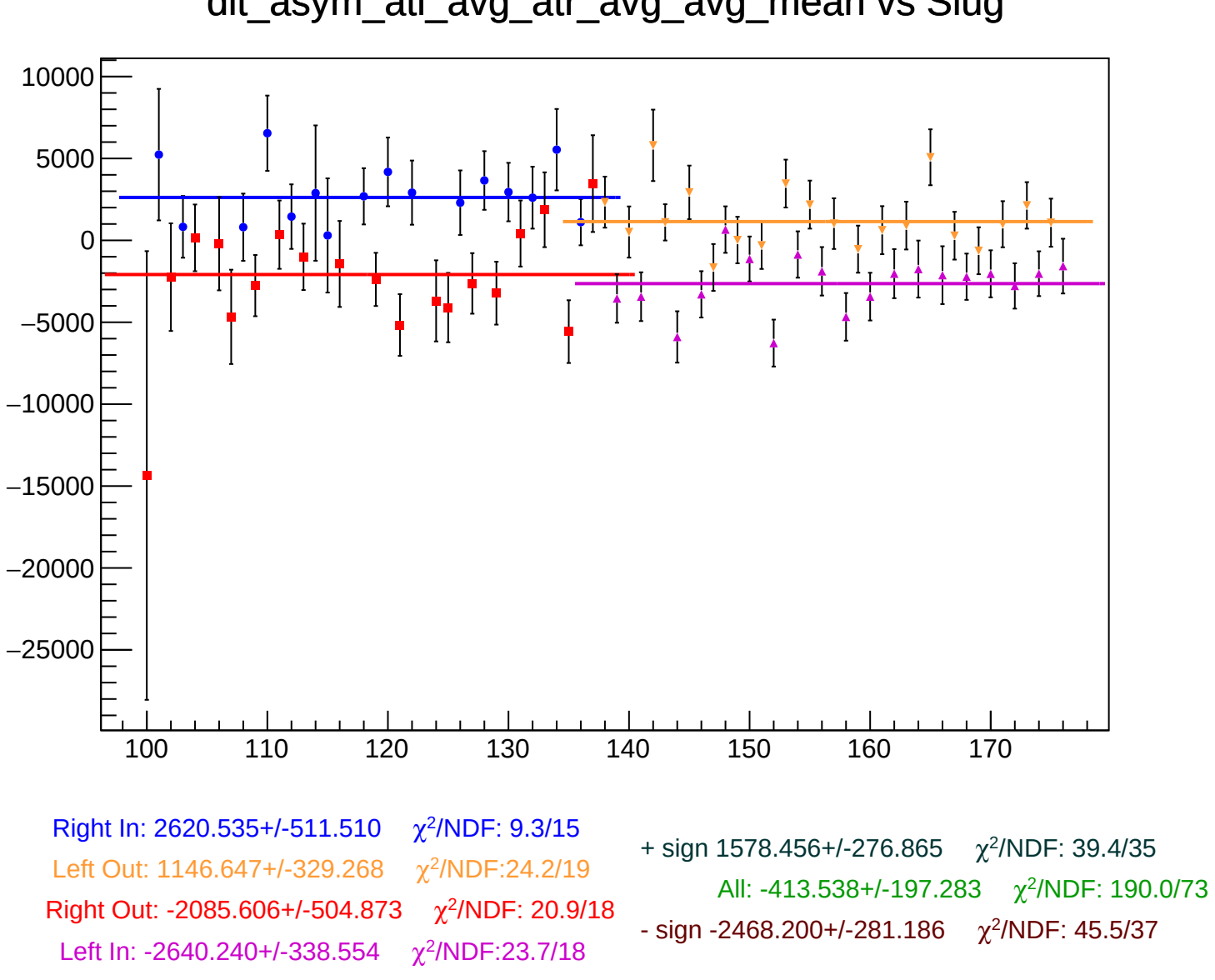
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4819.254+/-0.882 χ^2/NDF:1024217.0/18

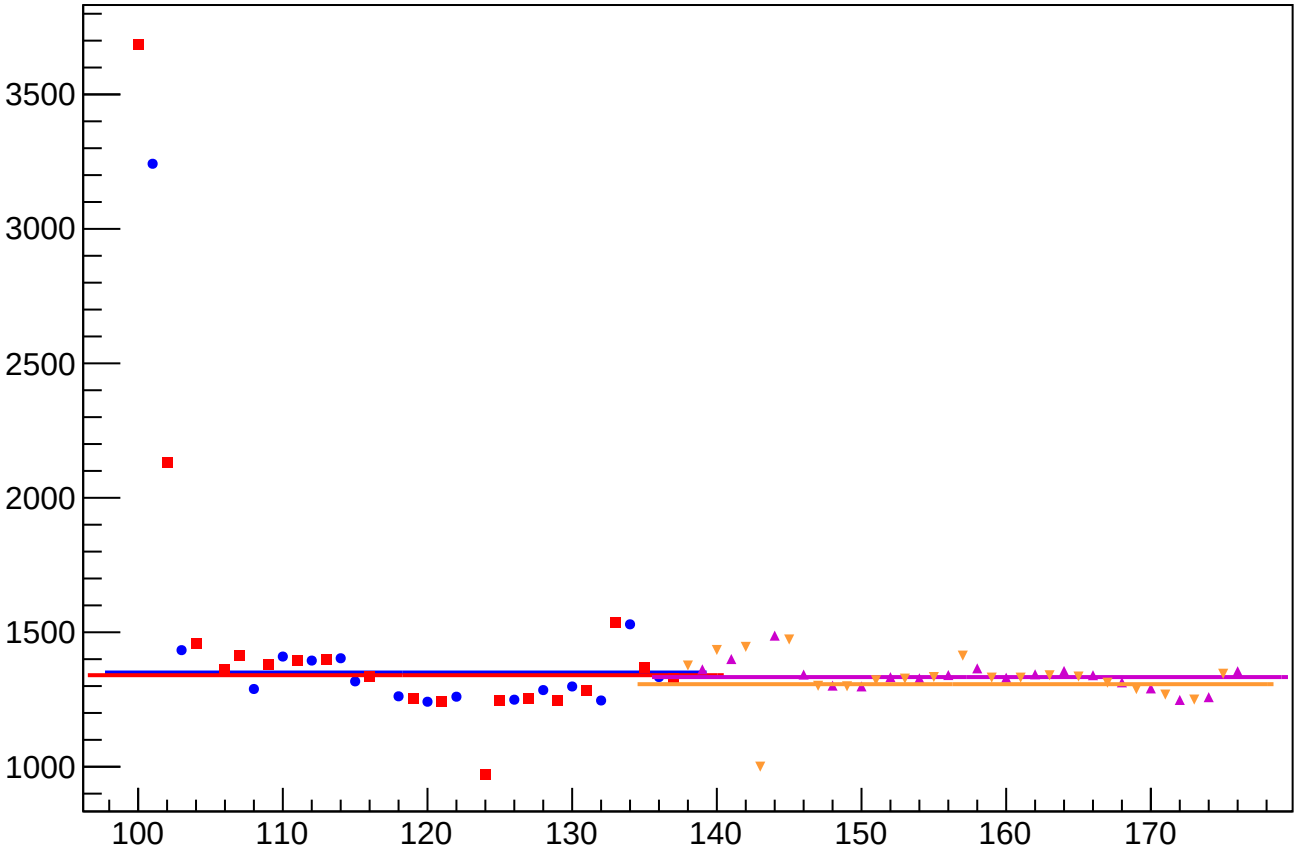
+ sign 3569.359+/-0.575 χ^2/NDF: 7168751.7/35

All: 3569.261+/-0.409 χ^2/NDF: 14837651.7/7

- sign 3569.161+/-0.583 χ^2/NDF: 7668899.9/37


dit_asym_atl_avg_atr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 2620.535+/-511.510 χ²/NDF: 9.3/15
Left Out: 1146.647+/-329.268 χ²/NDF:24.2/19
Right Out: -2085.606+/-504.873 χ²/NDF: 20.9/18
Left In: -2640.240+/-338.554 χ²/NDF:23.7/18
+ sign 1578.456+/-276.865 χ²/NDF: 39.4/35
All: -413.538+/-197.283 χ²/NDF: 190.0/73
- sign -2468.200+/-281.186 χ²/NDF: 45.5/37

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1307.012+/-0.233 χ^2/NDF:219373.0/19

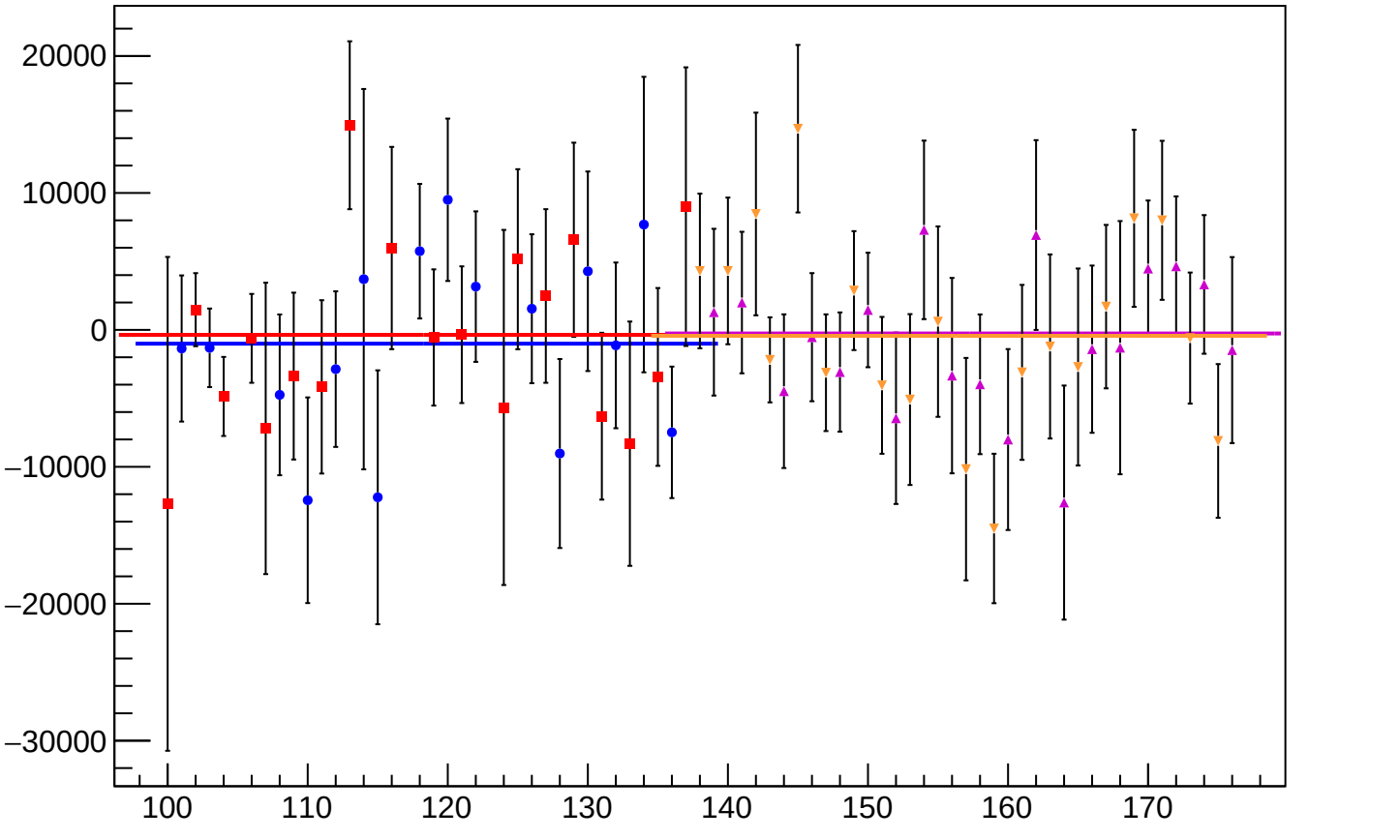
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1333.422+/-0.239 χ^2/NDF:43987.2/18

+ sign 1319.714+/-0.196 χ^2/NDF: 723583.9/35

All: 1327.534+/-0.139 χ^2/NDF: 1043261.3/73

- sign 1335.597+/-0.199 χ^2/NDF: 316436.7/37



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: -432.880+/-1211.737 χ^2/NDF:25.7/19

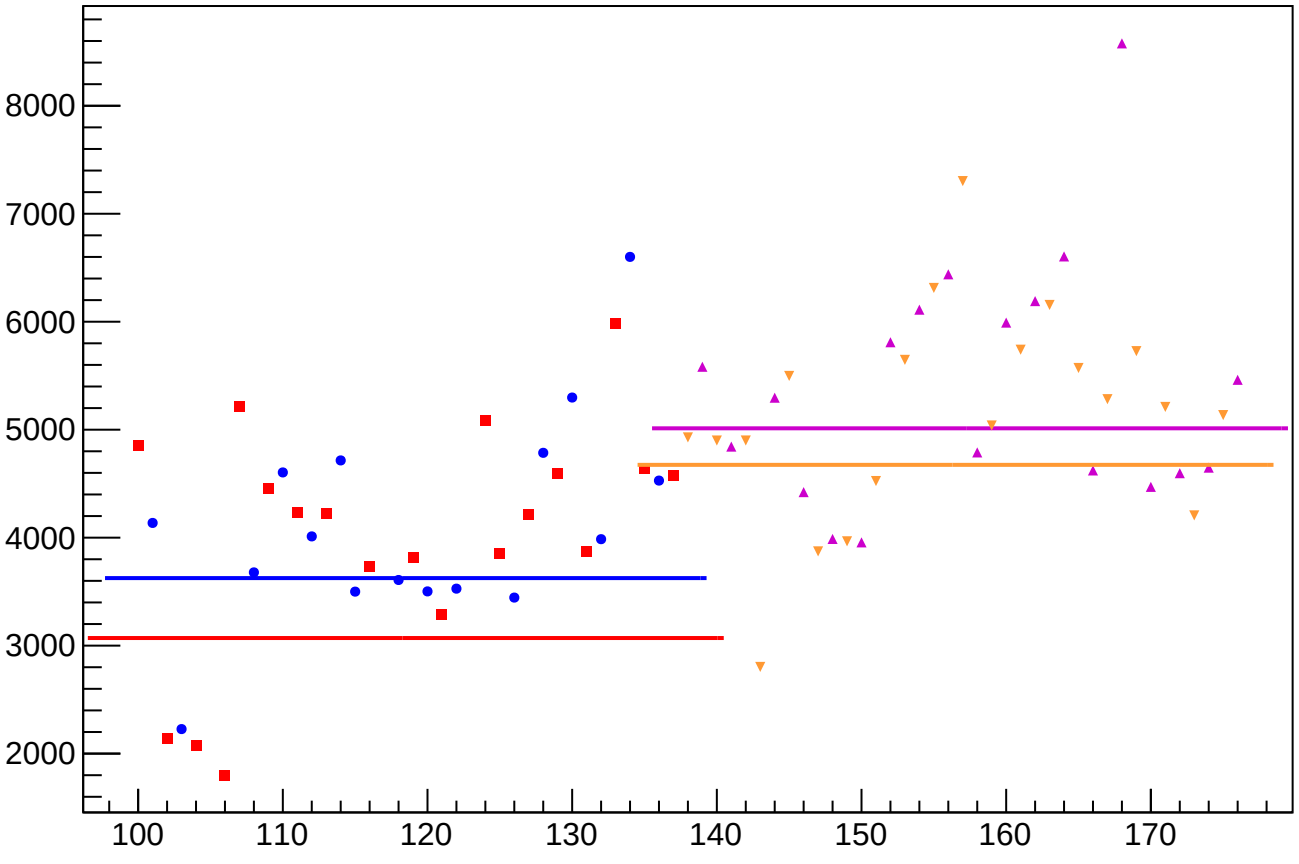
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -262.152+/-1297.214 χ^2/NDF:11.4/18

+ sign -677.770+/-917.459 χ^2/NDF: 40.4/35

All: -490.355+/-635.790 χ^2/NDF: 68.1/73

- sign -317.195+/-881.880 χ^2/NDF: 27.6/37



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4674.338+/-0.857 χ^2/NDF:1582560.6/19

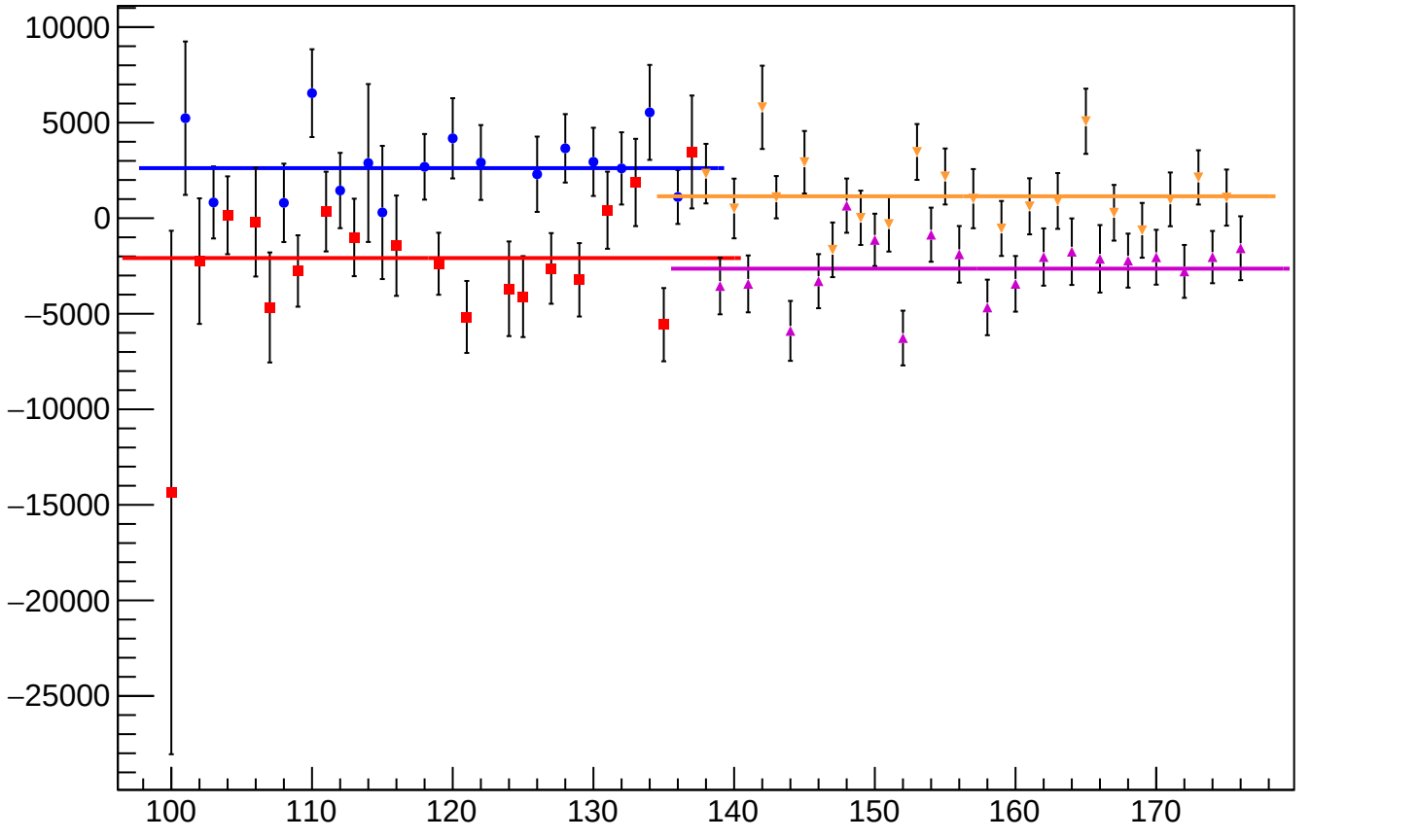
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5012.688+/-0.917 χ^2/NDF:1000809.4/18

+ sign 4226.769+/-0.649 χ^2/NDF: 3166871.5/35

All: 4092.310+/-0.450 χ^2/NDF: 8500364.1/73

- sign 3968.077+/-0.624 χ^2/NDF: 5250845.0/37



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1146.642+/-329.268 χ^2/NDF:24.2/19

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

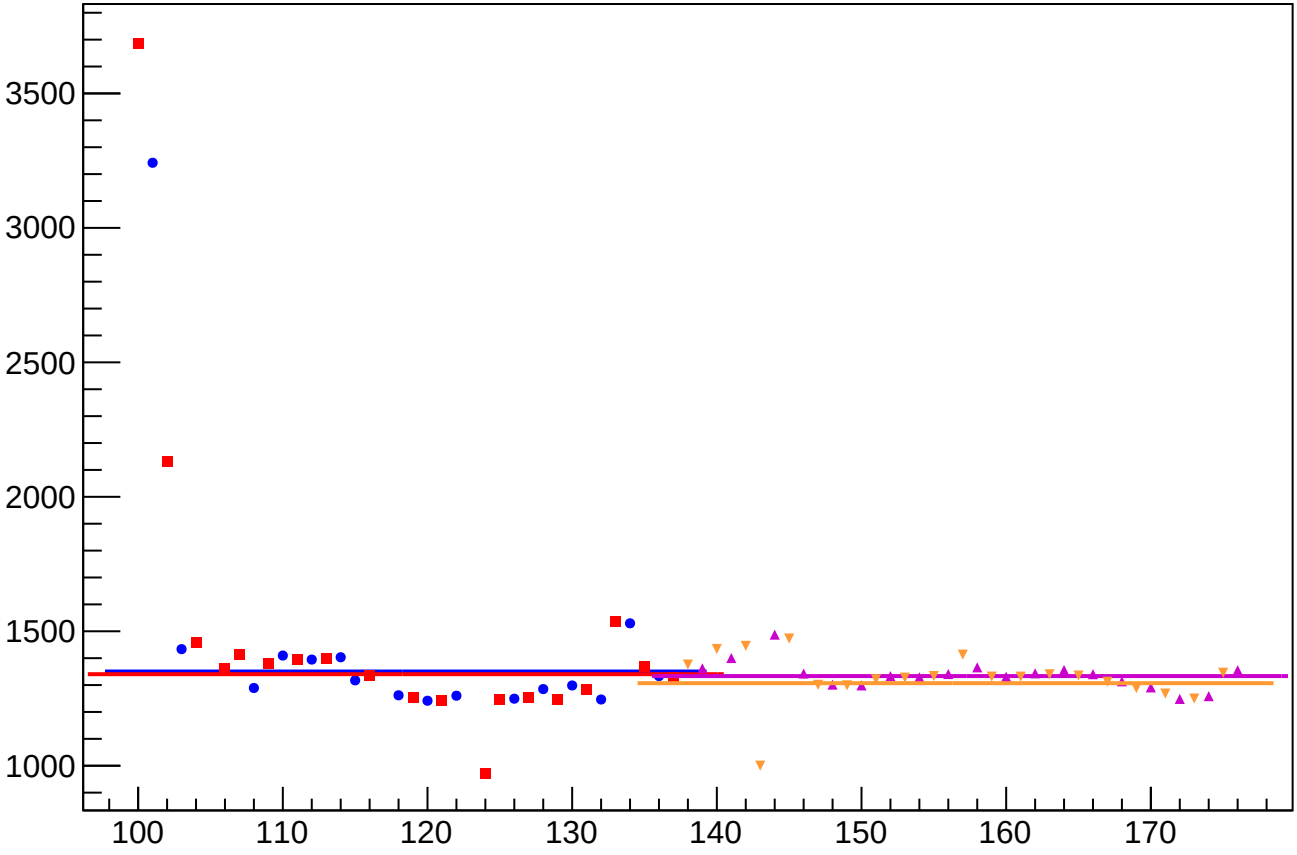
Left In: -2640.242+/-338.555 χ^2/NDF:23.7/18

+ sign 1578.453+/-276.865 χ^2/NDF: 39.4/35

All: -413.540+/-197.283 χ^2/NDF: 190.0/73

- sign -2468.201+/-281.186 χ^2/NDF: 45.5/37

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: 1307.012+/-0.233 χ^2/NDF:219374.3/19

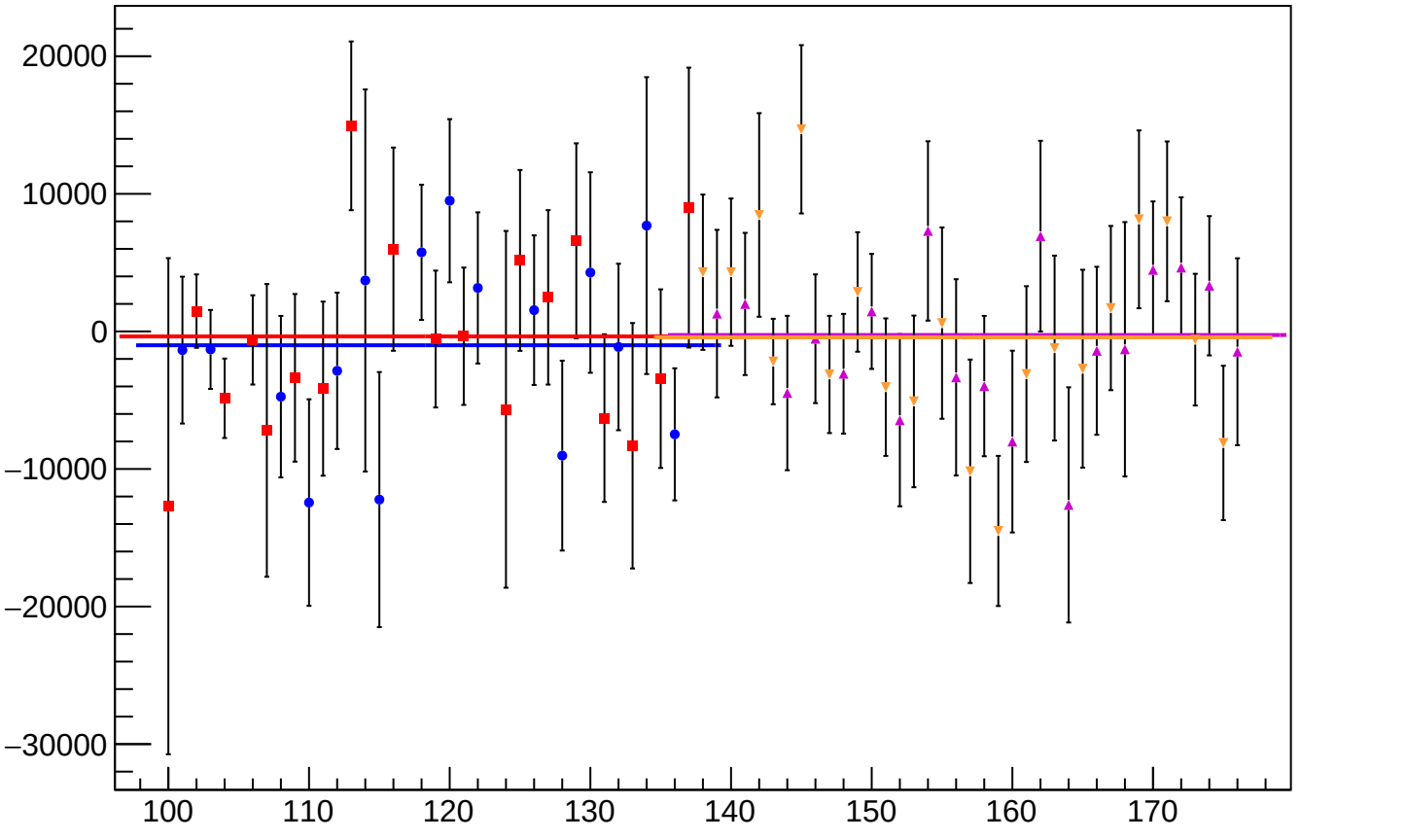
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1333.423+/-0.239 χ^2/NDF:43988.6/18

+ sign 1319.715+/-0.196 χ^2/NDF: 723584.7/35

All: 1327.535+/-0.139 χ^2/NDF: 1043262.4/73

- sign 1335.598+/-0.199 χ^2/NDF: 316436.9/37



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -432.883+/-1211.739 χ^2/NDF:25.7/19

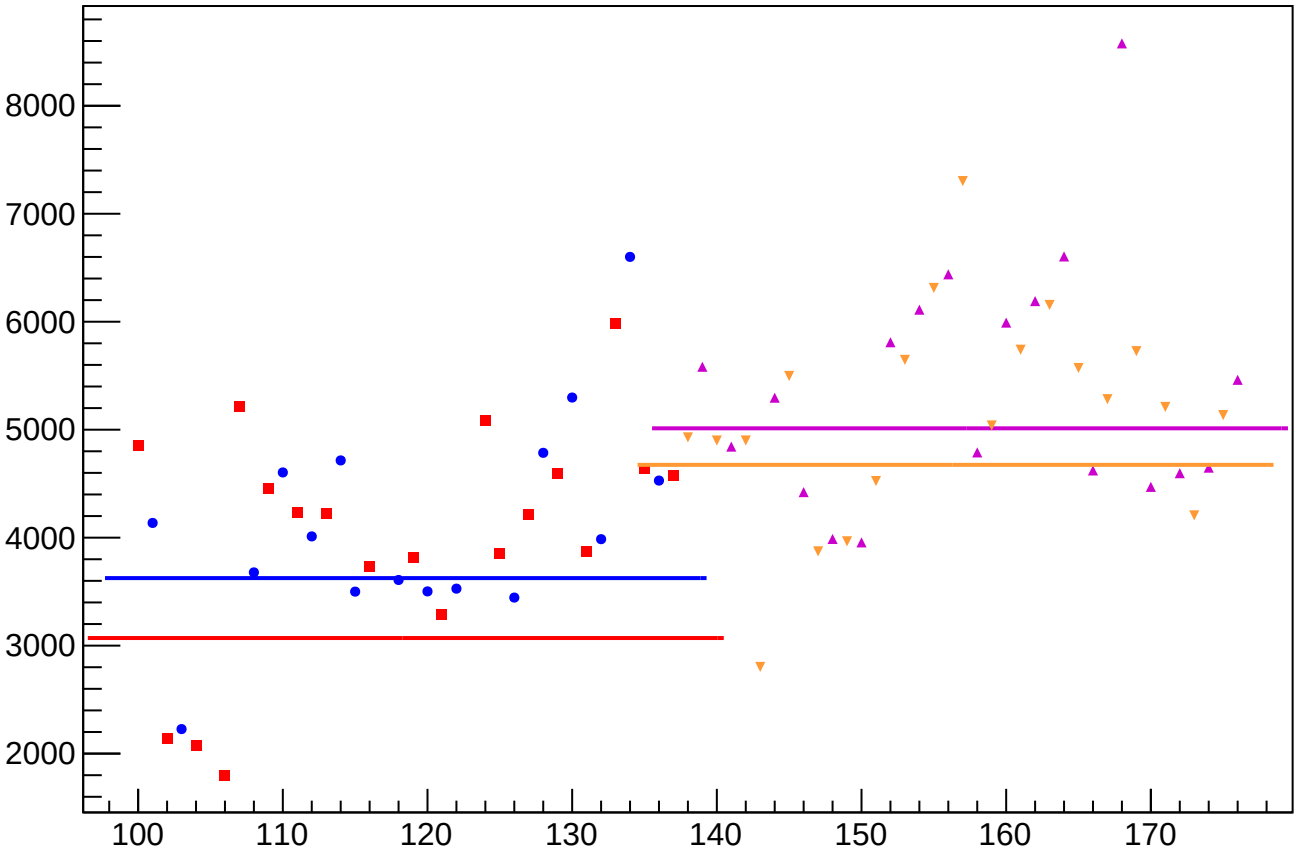
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -262.151+/-1297.216 χ^2/NDF:11.4/18

+ sign -677.769+/-917.459 χ^2/NDF: 40.4/35

All: -490.355+/-635.789 χ^2/NDF: 68.1/73

- sign -317.195+/-881.879 χ^2/NDF: 27.6/37



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4674.346+/-0.857 χ^2/NDF:1582560.8/19

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

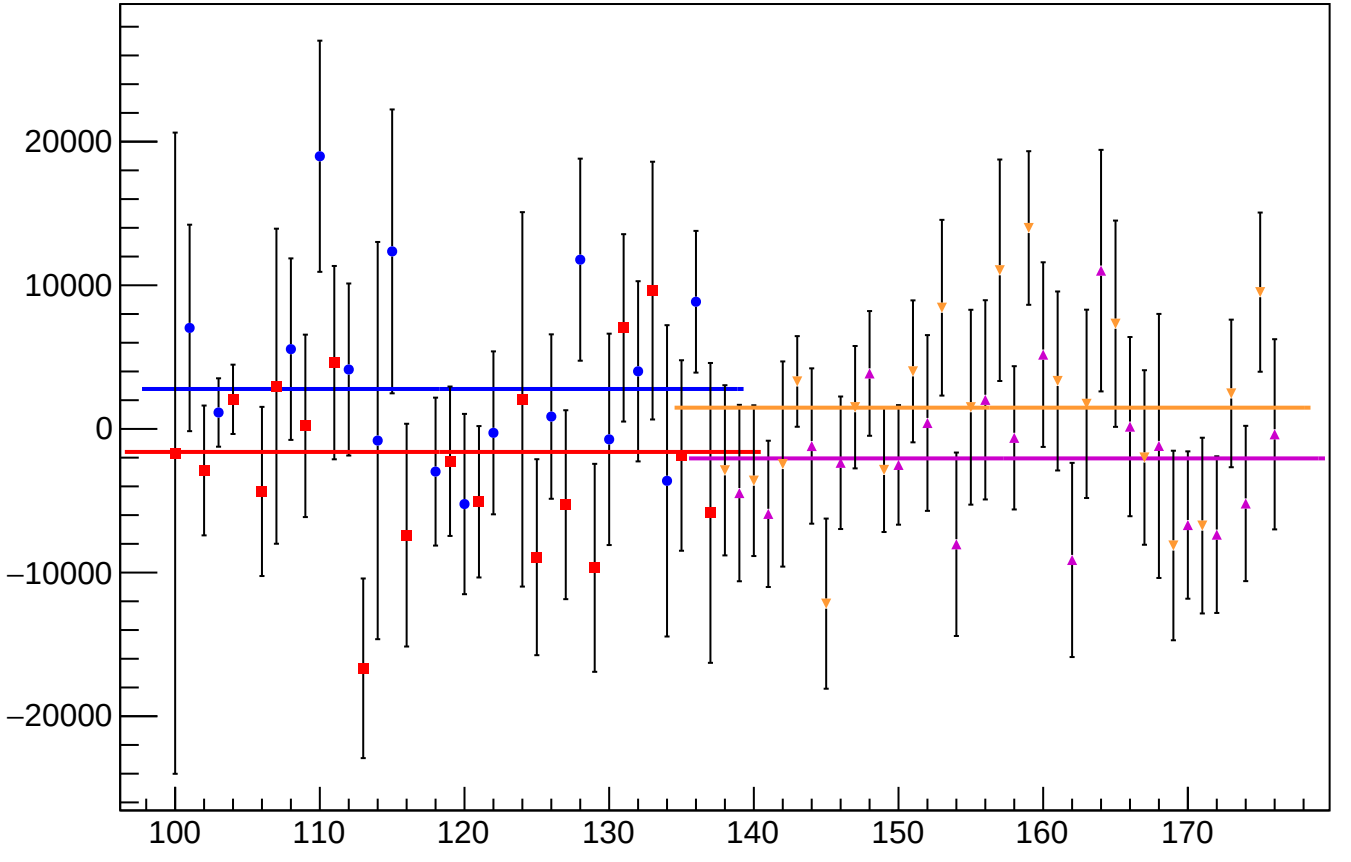
Left In: 5012.695+/-0.917 χ^2/NDF:1000811.1/18

+ sign 4226.768+/-0.649 χ^2/NDF: 3166895.1/35

All: 4092.307+/-0.450 χ^2/NDF: 8500436.4/73

- sign 3968.072+/-0.624 χ^2/NDF: 5250891.4/37

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1480.062+/-1213.645 χ^2/NDF:24.1/19

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

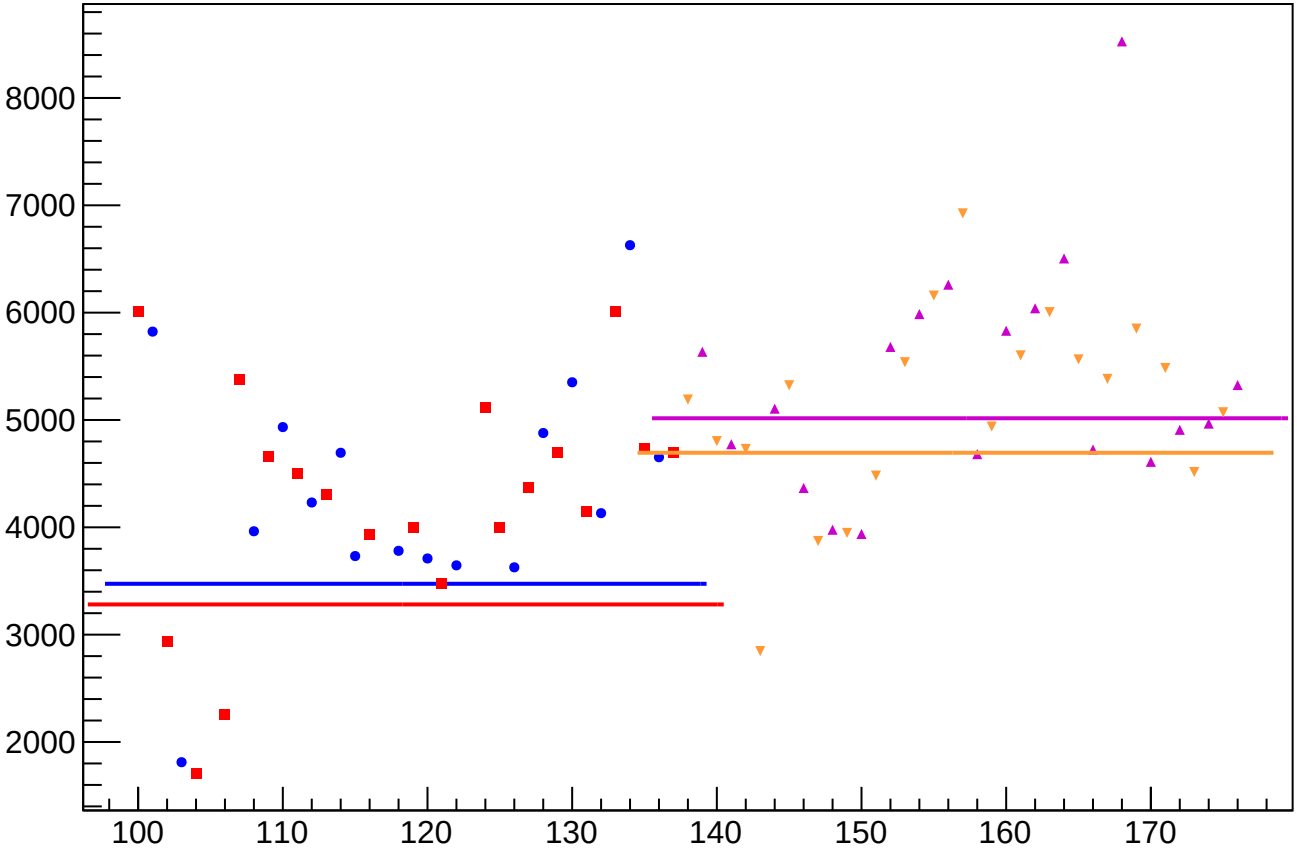
Left In: -2051.934+/-1295.559 χ^2/NDF:11.2/18

+ sign 2043.021+/-914.050 χ^2/NDF: 37.8/35

All: 138.723+/-652.038 χ^2/NDF: 74.7/73

- sign -1834.354+/-930.410 χ^2/NDF: 28.0/37

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4694.612+/-0.858 χ^2/NDF:1447996.2/19

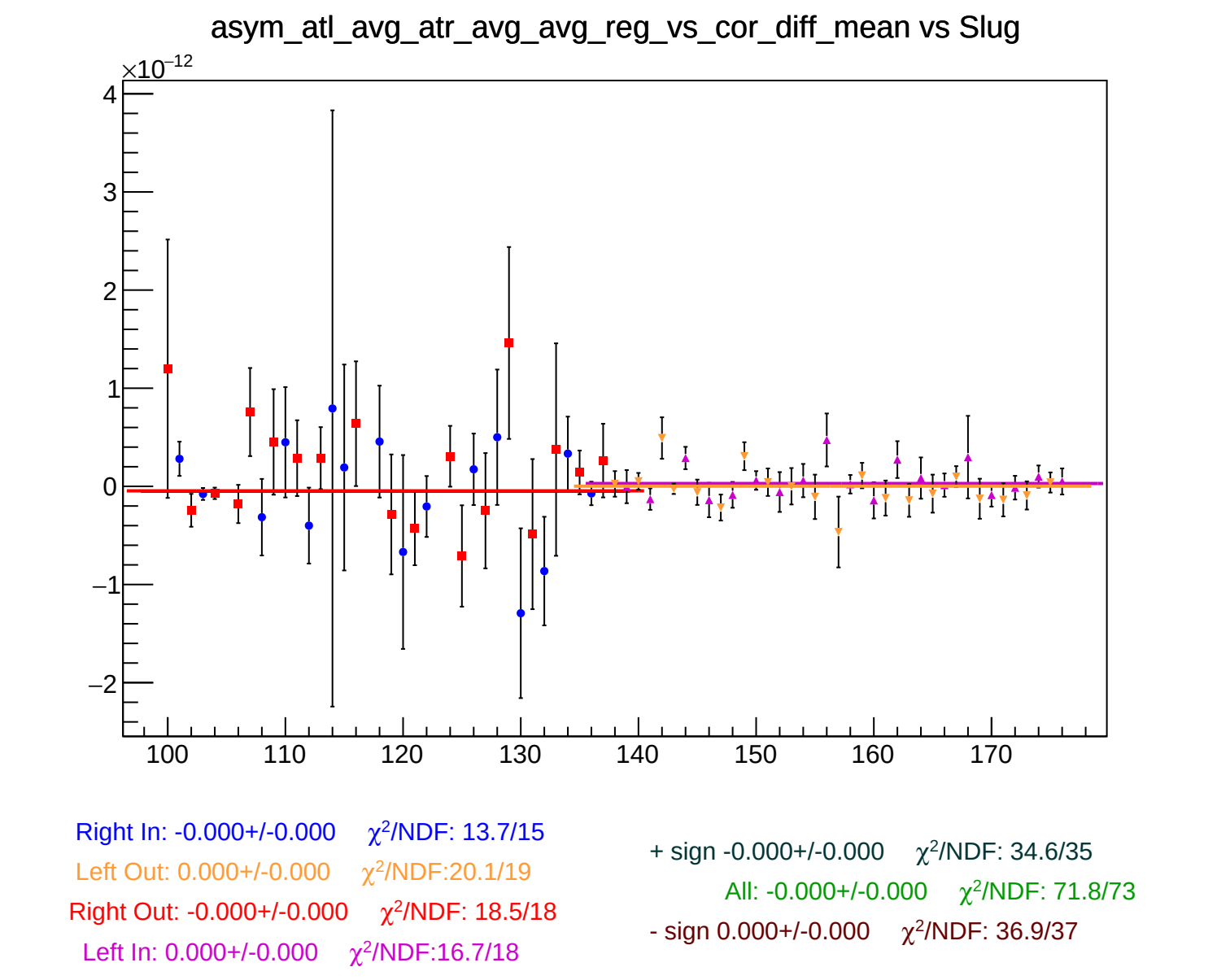
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

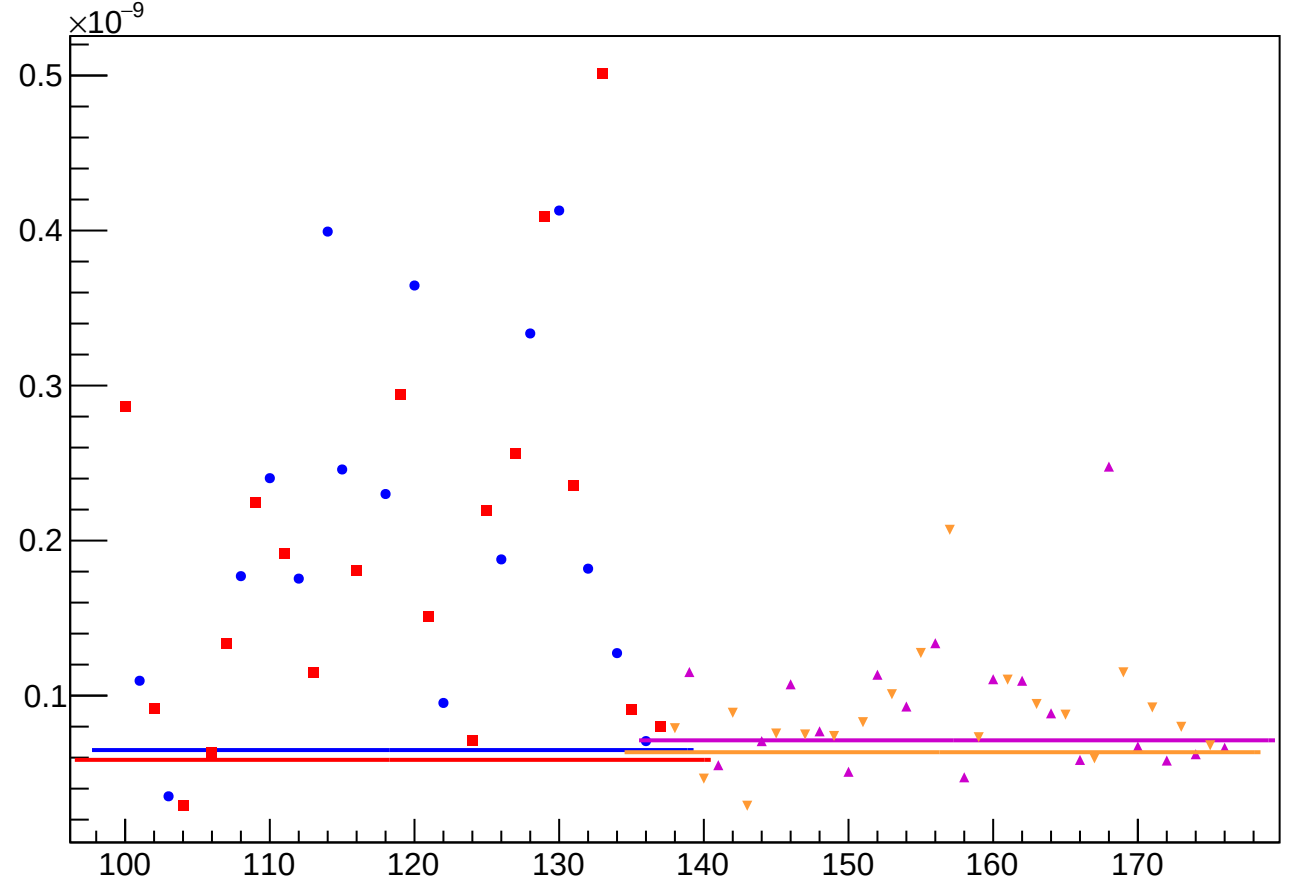
Left In: 5015.916+/-0.916 χ^2/NDF:911825.3/18

+ sign 4166.314+/-0.646 χ^2/NDF: 4167627.7/35

All: 4165.209+/-0.460 χ^2/NDF: 8715431.9/73

- sign 4164.079+/-0.653 χ^2/NDF: 4547798.2/37


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:20.1/19
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:16.7/18
+ sign -0.000+/-0.000 χ²/NDF: 34.6/35
All: -0.000+/-0.000 χ²/NDF: 71.8/73
- sign 0.000+/-0.000 χ²/NDF: 36.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2097566.0/19

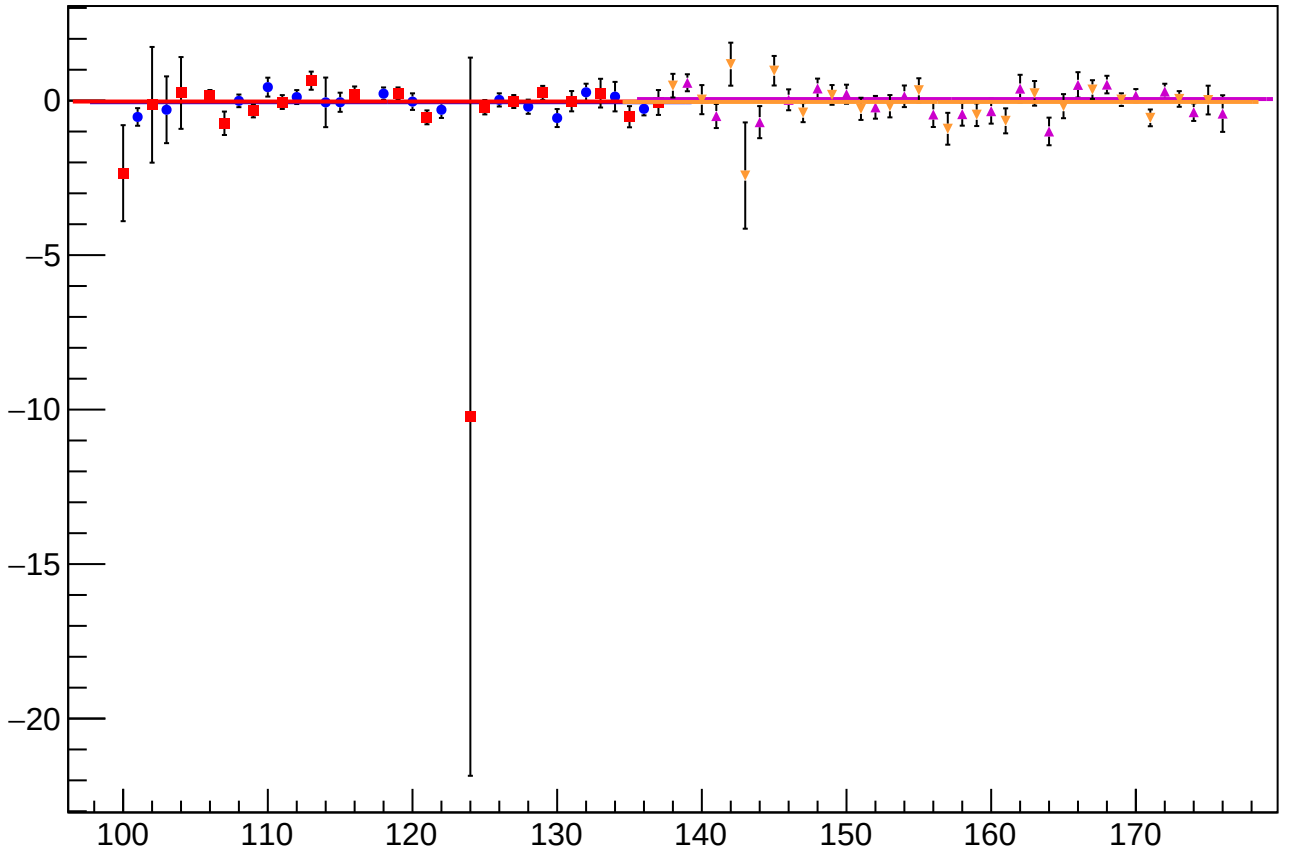
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1319668.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 4691708.2/35

All: 0.000+/-0.000 χ^2/NDF: 8983444.3/73

- sign 0.000+/-0.000 χ^2/NDF: 4272441.6/37



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.079 χ^2/NDF:27.3/19

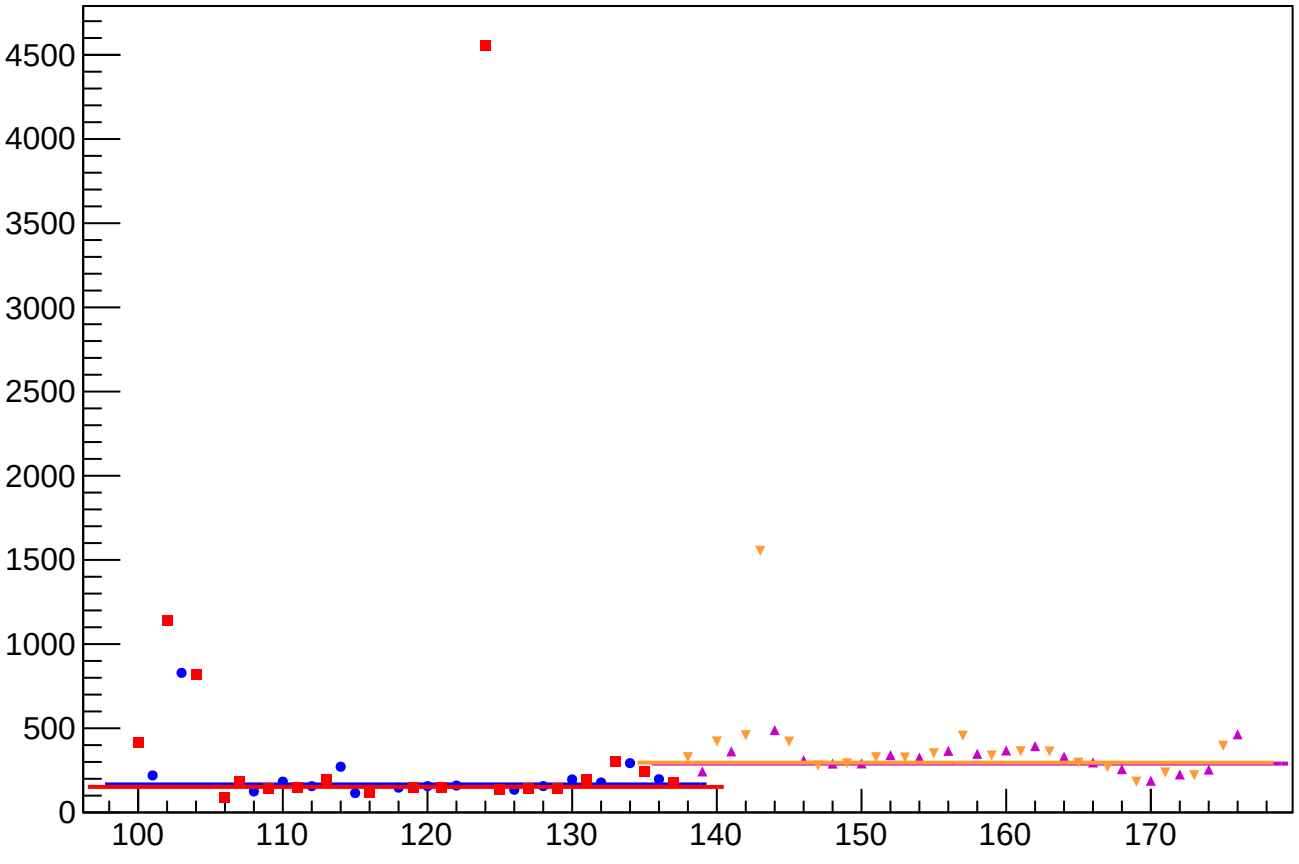
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.051+/-0.077 χ^2/NDF:28.0/18

+ sign -0.047+/-0.051 χ^2/NDF: 42.1/35

All: -0.021+/-0.035 χ^2/NDF: 98.8/73

- sign 0.004+/-0.049 χ^2/NDF: 56.2/37



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 295.930+/-0.056 χ^2/NDF:2860859.9/19

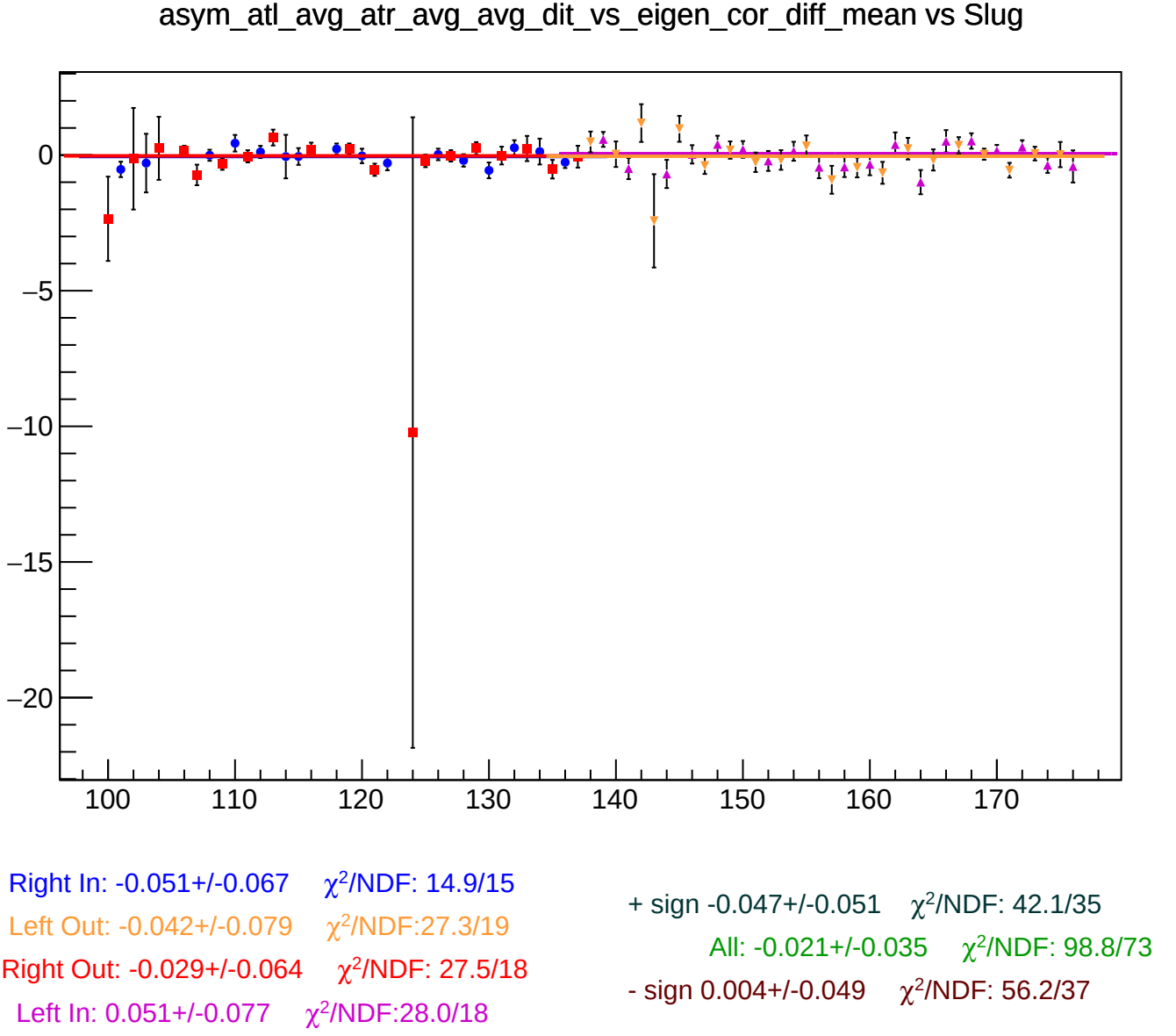
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

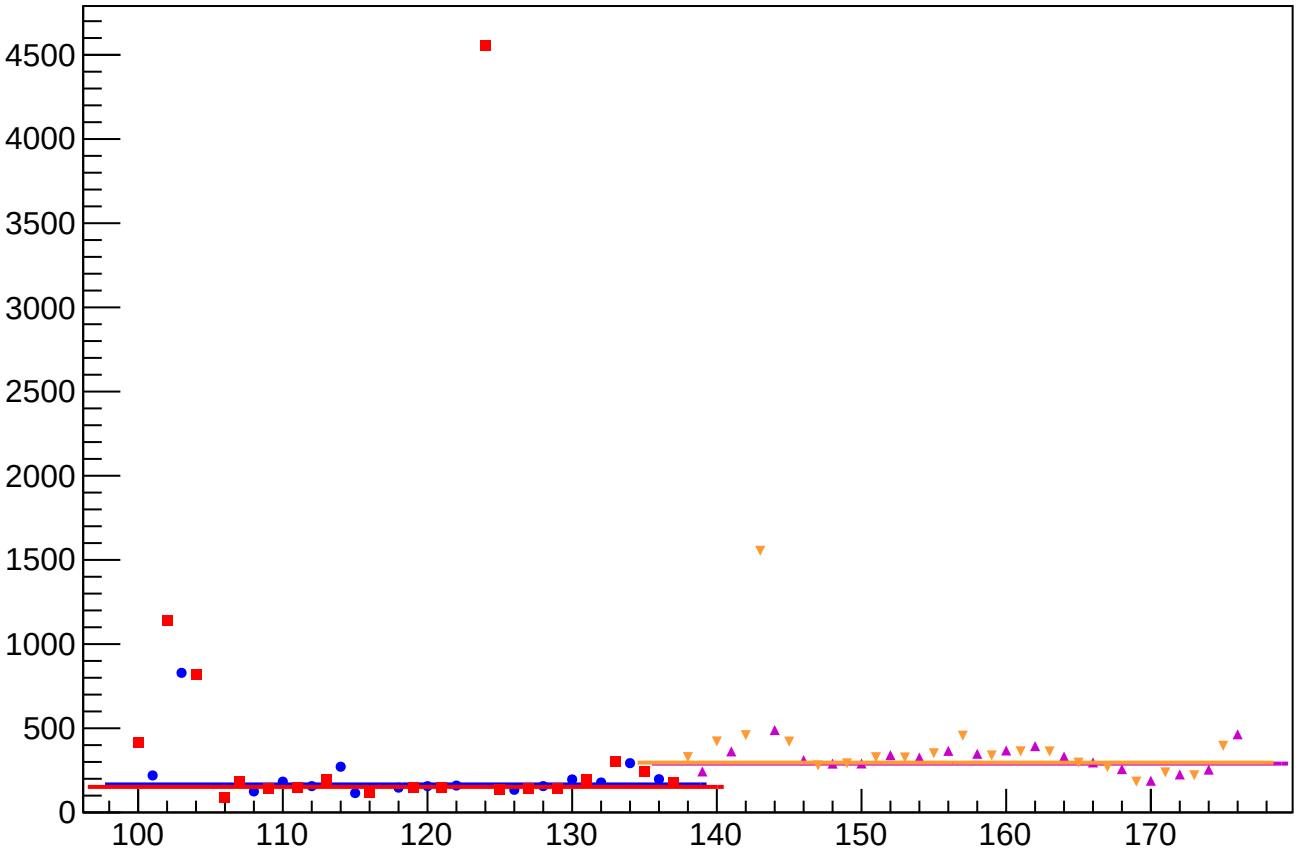
Left In: 290.146+/-0.054 χ^2/NDF:1624889.6/18

+ sign 220.068+/-0.036 χ^2/NDF: 7269368.3/35

All: 214.000+/-0.025 χ^2/NDF: 15083266.0/73

- sign 208.359+/-0.035 χ^2/NDF: 7759388.4/37


asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
0
−5
−10
−15
−20
100
110
120
130
140
150
160
170
Right In: -0.051+/-0.067 χ²/NDF: 14.9/15
Left Out: -0.042+/-0.079 χ²/NDF:27.3/19
Right Out: -0.029+/-0.064 χ²/NDF: 27.5/18
Left In: 0.051+/-0.077 χ²/NDF:28.0/18
+ sign -0.047+/-0.051 χ²/NDF: 42.1/35
All: -0.021+/-0.035 χ²/NDF: 98.8/73
- sign 0.004+/-0.049 χ²/NDF: 56.2/37



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 295.930+/-0.056 χ^2/NDF:2860859.9/19

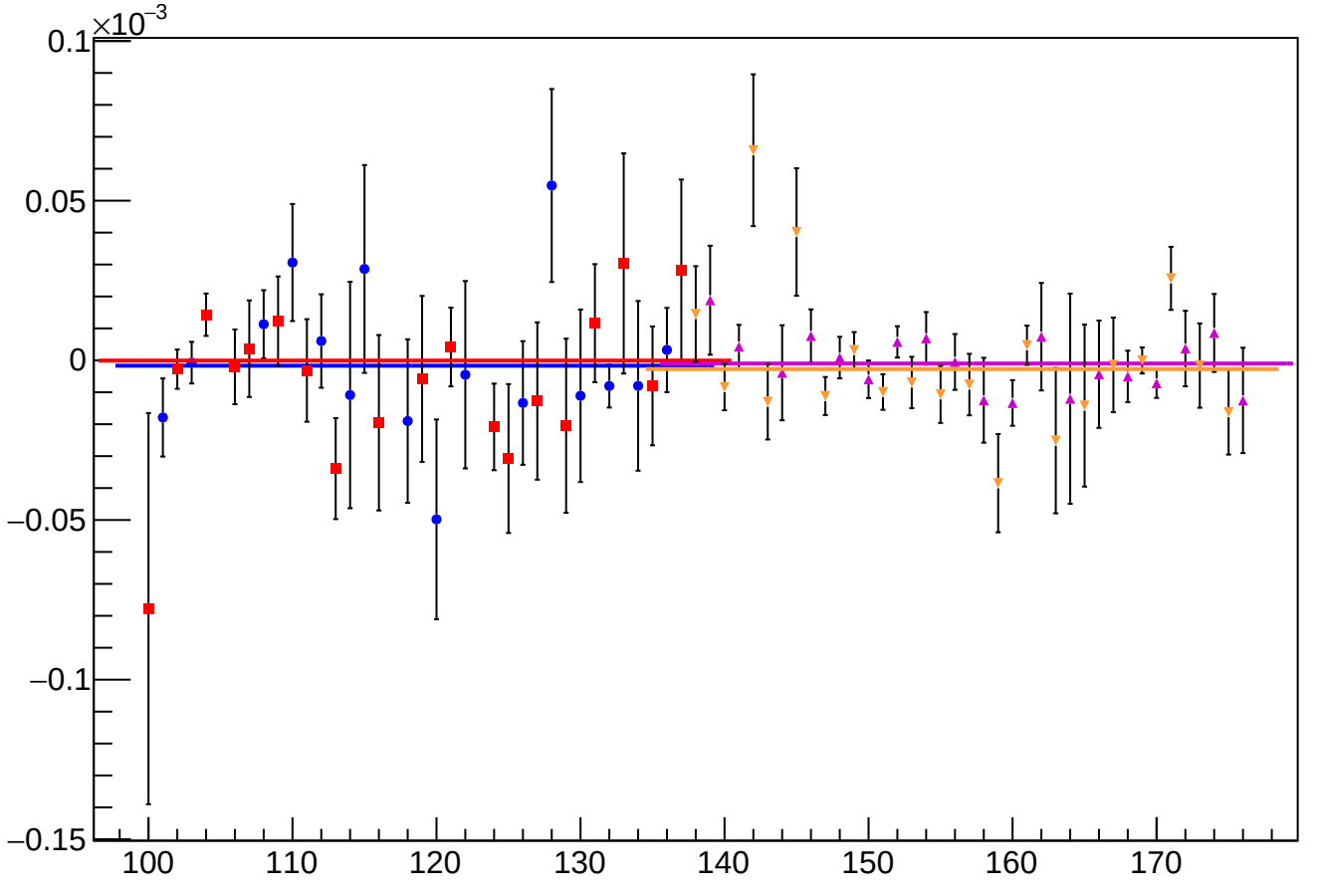
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 290.146+/-0.054 χ^2/NDF:1624889.6/18

+ sign 220.068+/-0.036 χ^2/NDF: 7269368.3/35

All: 214.000+/-0.025 χ^2/NDF: 15083266.0/73

- sign 208.359+/-0.035 χ^2/NDF: 7759388.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.5/19

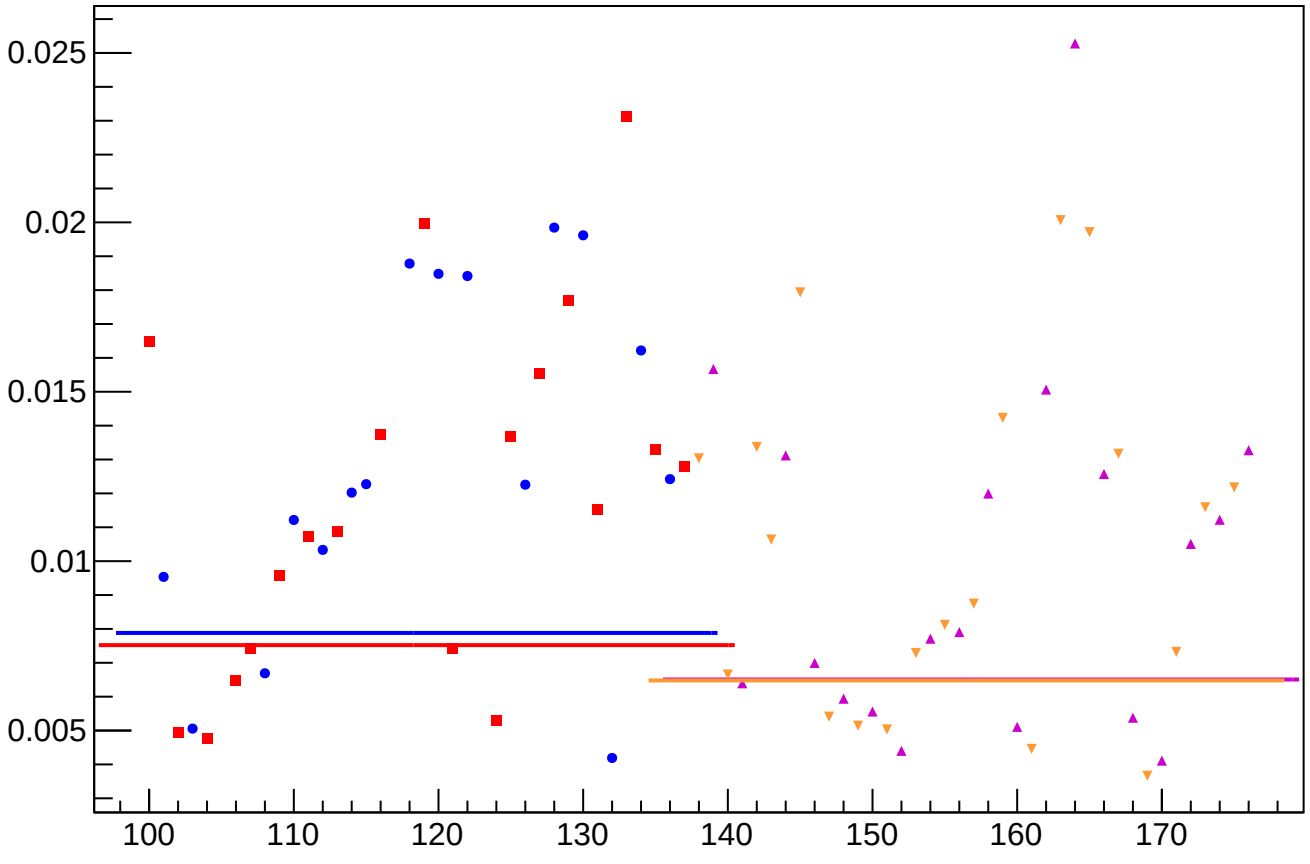
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:14.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 55.1/35

All: -0.000+/-0.000 χ^2/NDF: 89.8/73

- sign -0.000+/-0.000 χ^2/NDF: 34.1/37



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:5989767.1/19

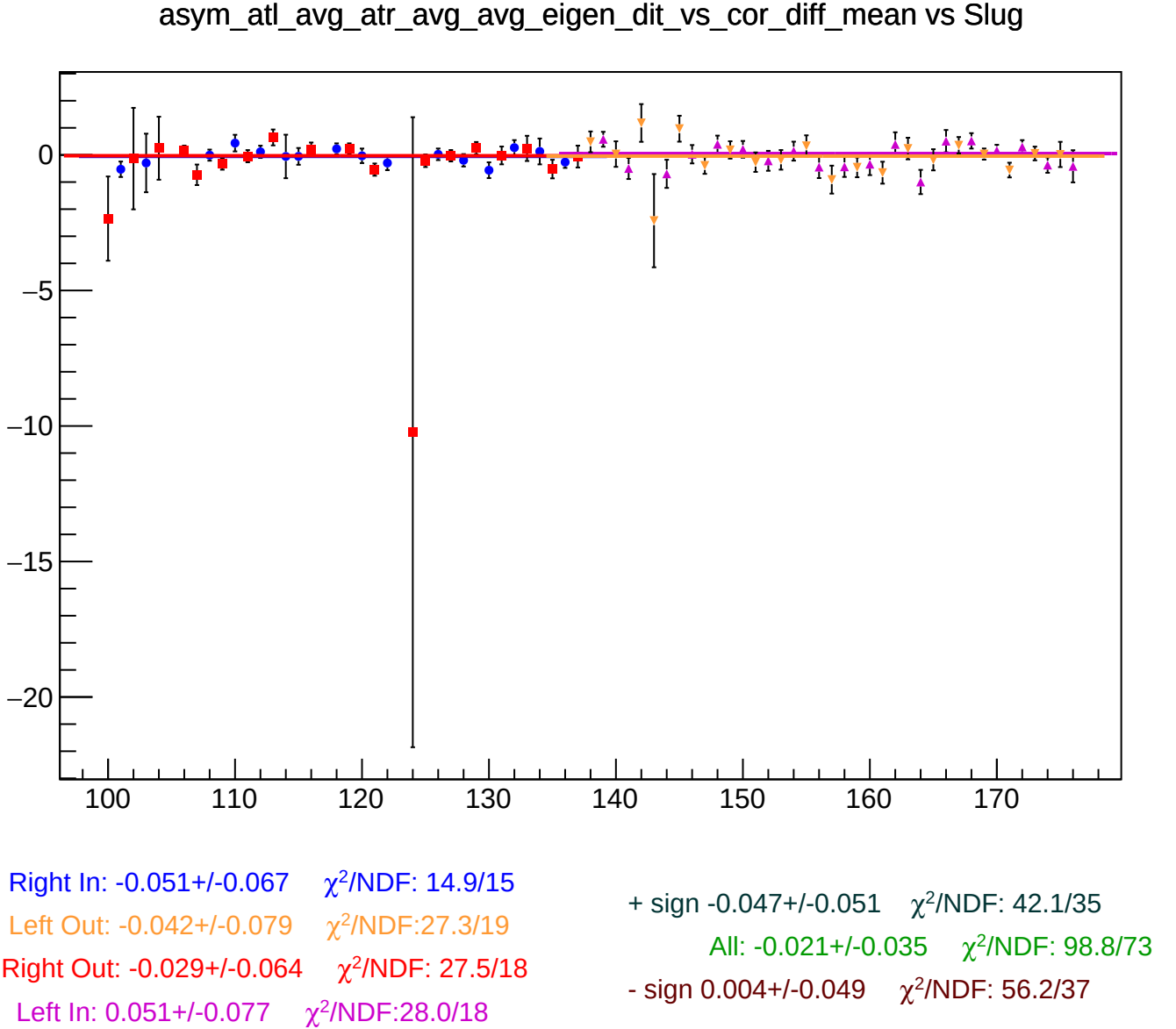
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

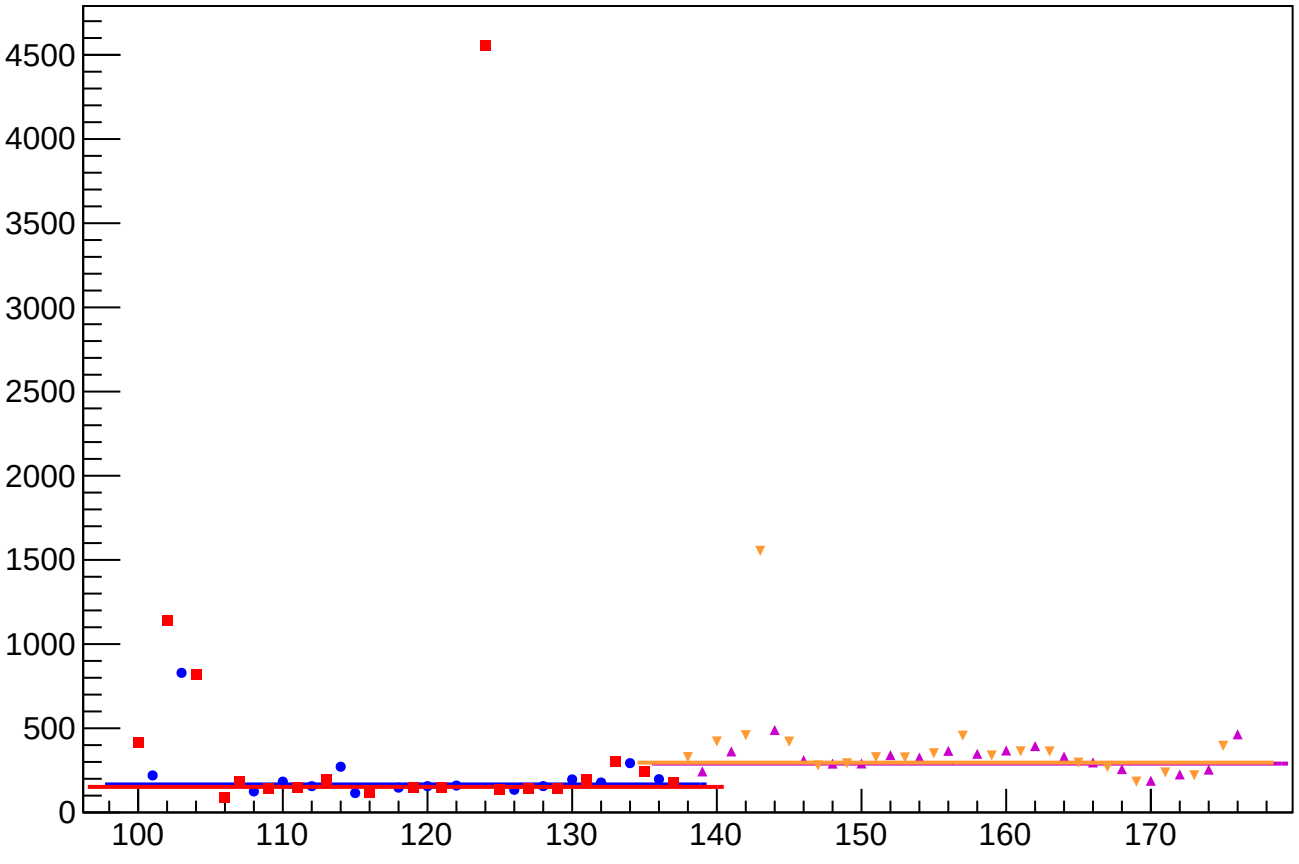
Left In: 0.007+/-0.000 χ^2/NDF:4807516.3/18

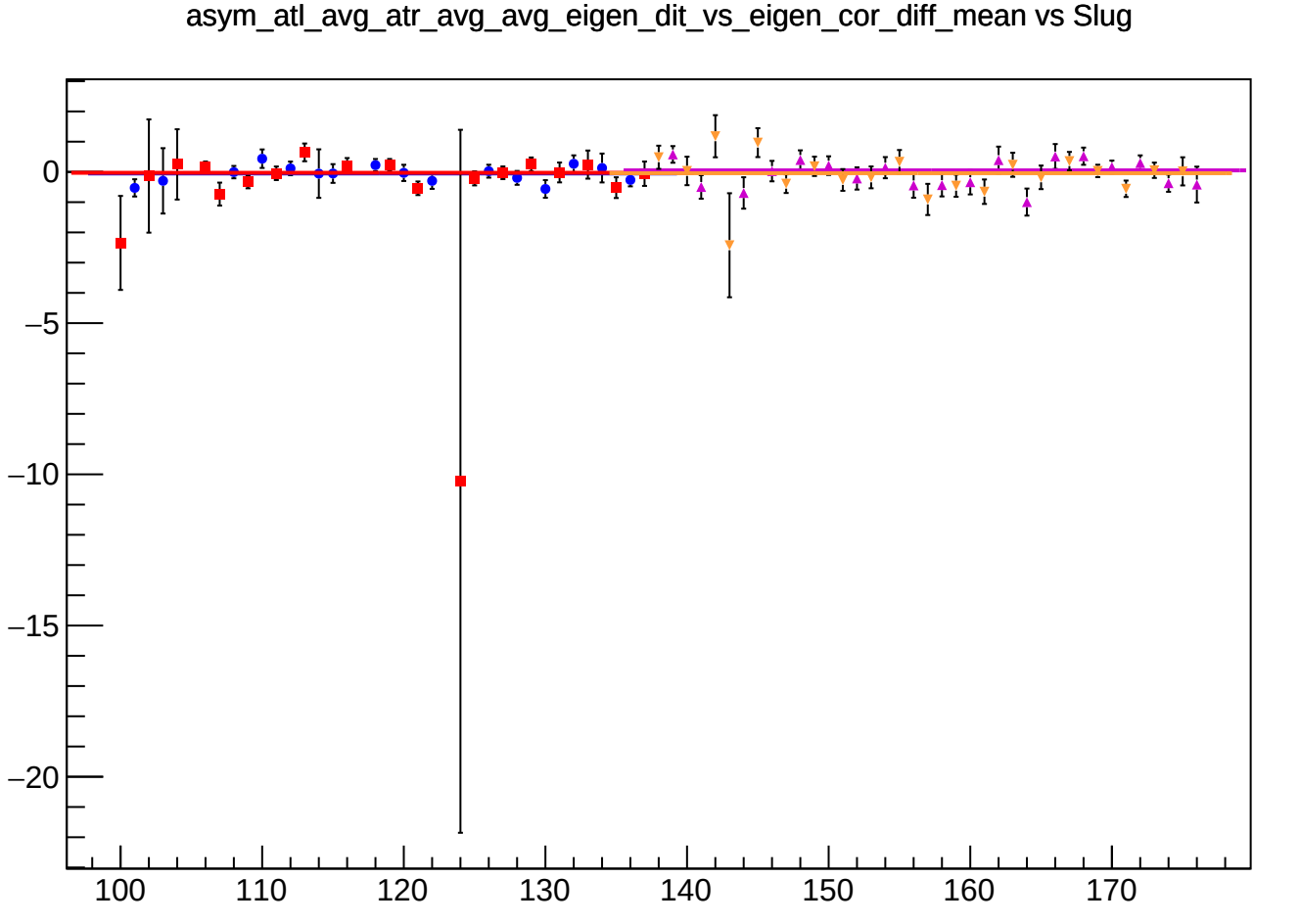
+ sign 0.007+/-0.000 χ^2/NDF: 9552874.7/35

All: 0.007+/-0.000 χ^2/NDF: 17489523.1/73

- sign 0.007+/-0.000 χ^2/NDF: 7936372.6/37


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
160
170
Right In: -0.051+/-0.067 χ²/NDF: 14.9/15
Left Out: -0.042+/-0.079 χ²/NDF:27.3/19
Right Out: -0.029+/-0.064 χ²/NDF: 27.5/18
Left In: 0.051+/-0.077 χ²/NDF:28.0/18
+ sign -0.047+/-0.051 χ²/NDF: 42.1/35
All: -0.021+/-0.035 χ²/NDF: 98.8/73
- sign 0.004+/-0.049 χ²/NDF: 56.2/37


asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
Right In: 166.359+/-0.047 χ²/NDF: 1282724.2/15
Left Out: 295.930+/-0.056 χ²/NDF:2861017.4/19
Right Out: 151.790+/-0.045 χ²/NDF: 2315641.8/18
Left In: 290.148+/-0.054 χ²/NDF:1625005.2/18
+ sign 220.067+/-0.036 χ²/NDF: 7269554.6/35
All: 213.998+/-0.025 χ²/NDF: 15083705.9/73
- sign 208.358+/-0.035 χ²/NDF: 7759638.5/37



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.079 χ^2/NDF:27.3/19

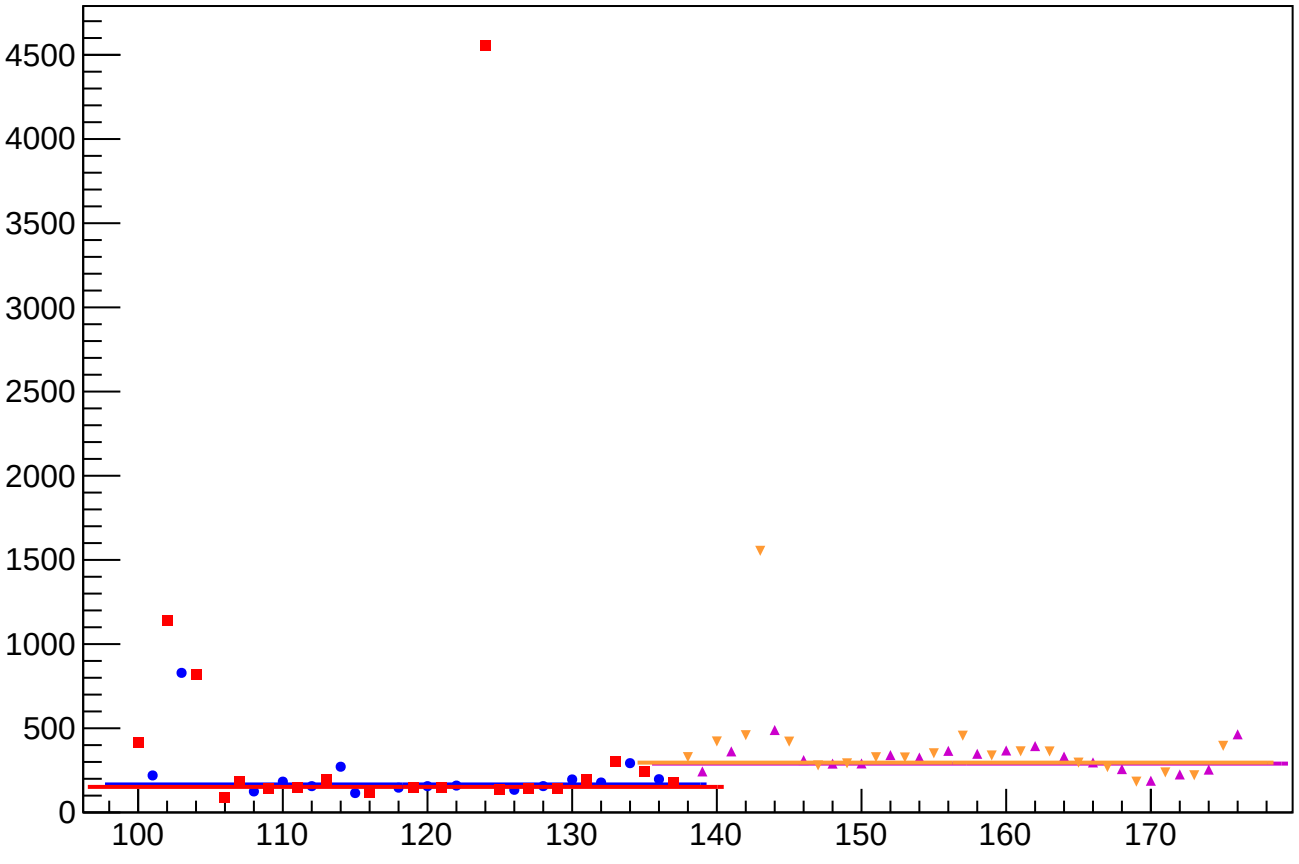
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.051+/-0.077 χ^2/NDF:28.0/18

+ sign -0.047+/-0.051 χ^2/NDF: 42.1/35

All: -0.021+/-0.035 χ^2/NDF: 98.8/73

- sign 0.004+/-0.049 χ^2/NDF: 56.2/37



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 295.930+/-0.056 χ^2/NDF:2861017.4/19

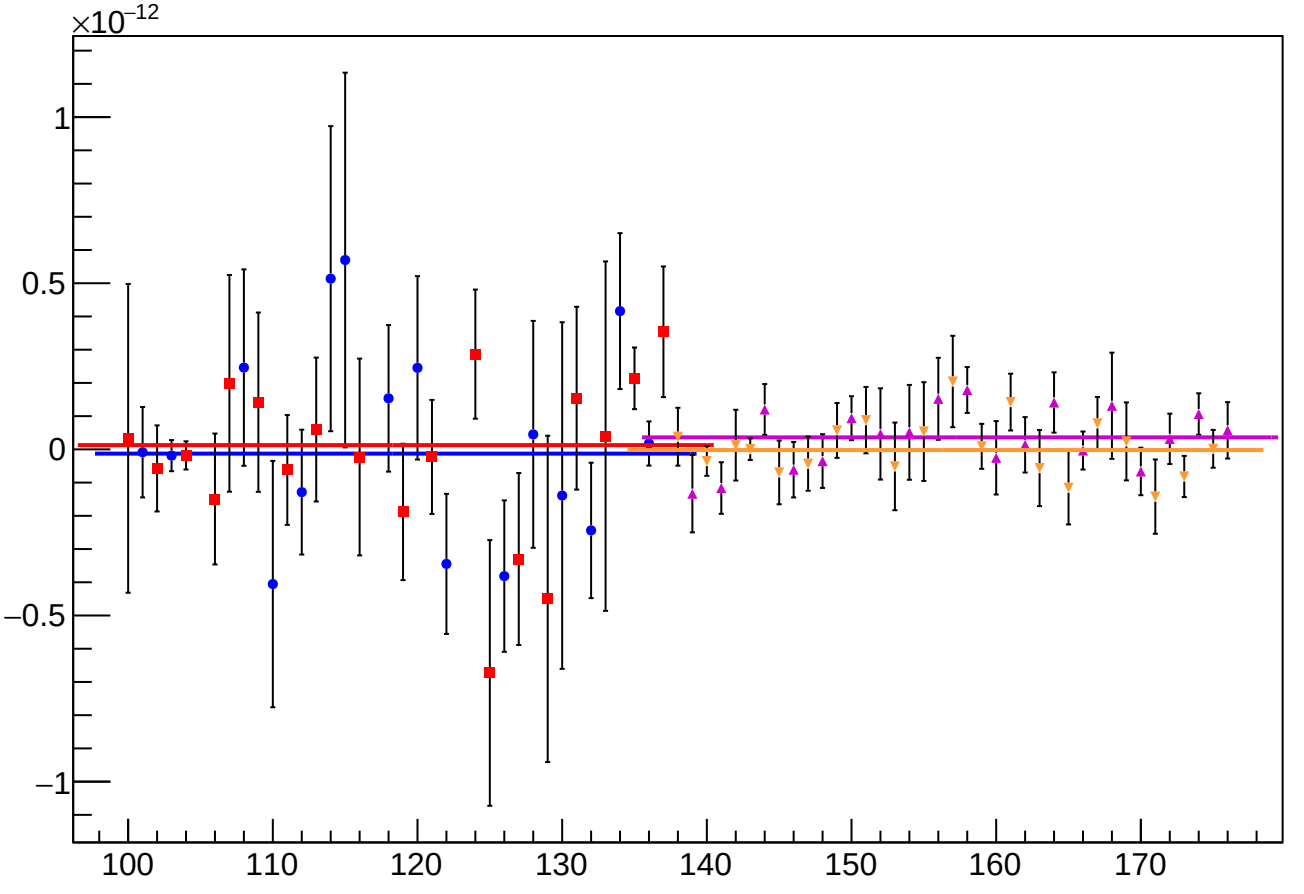
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 290.148+/-0.054 χ^2/NDF:1625005.2/18

+ sign 220.067+/-0.036 χ^2/NDF: 7269554.6/35

All: 213.998+/-0.025 χ^2/NDF: 15083705.9/73

- sign 208.358+/-0.035 χ^2/NDF: 7759638.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.8/19

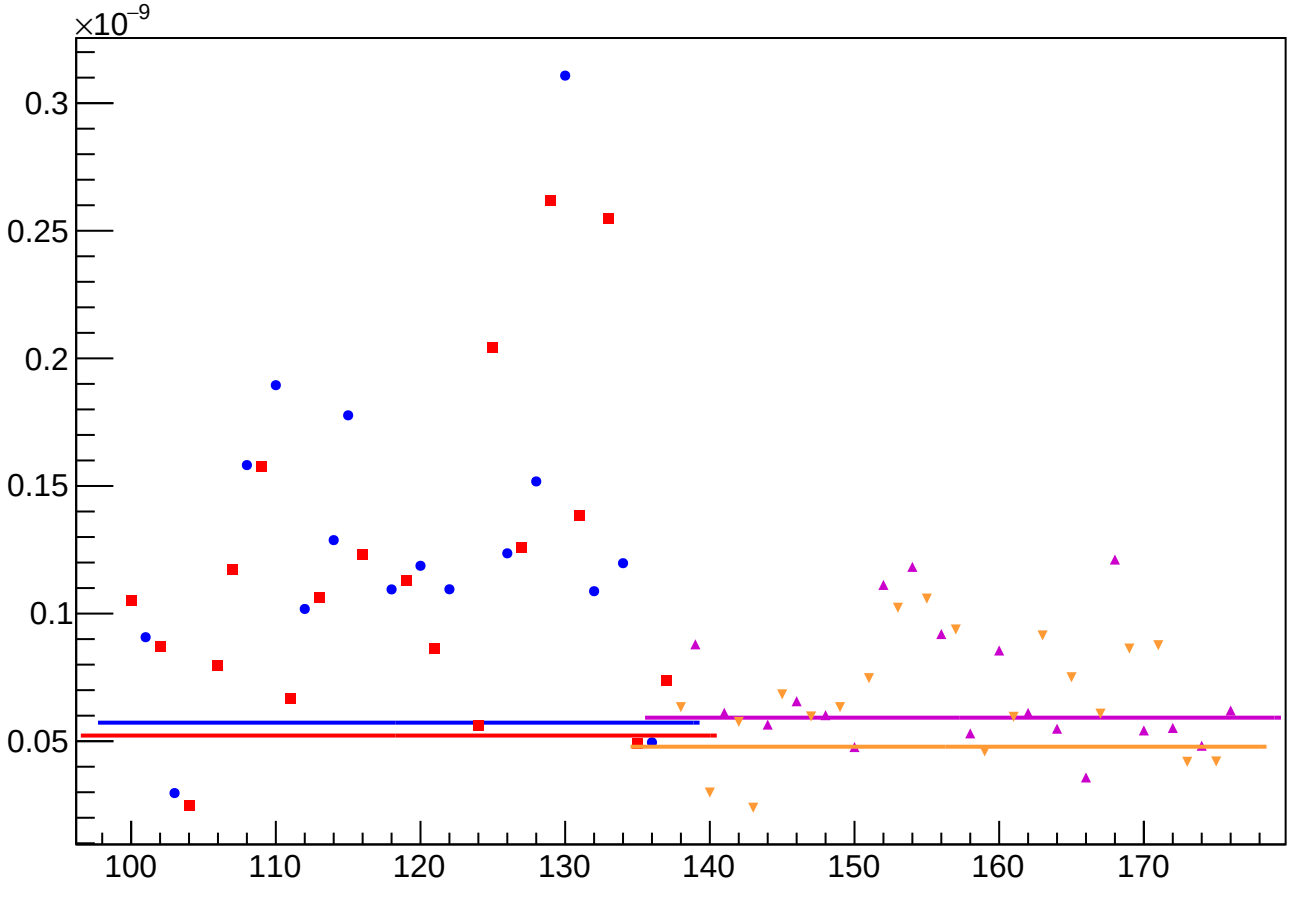
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:21.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/35

All: 0.000+/-0.000 χ^2/NDF: 73.0/73

- sign 0.000+/-0.000 χ^2/NDF: 40.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3706776.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

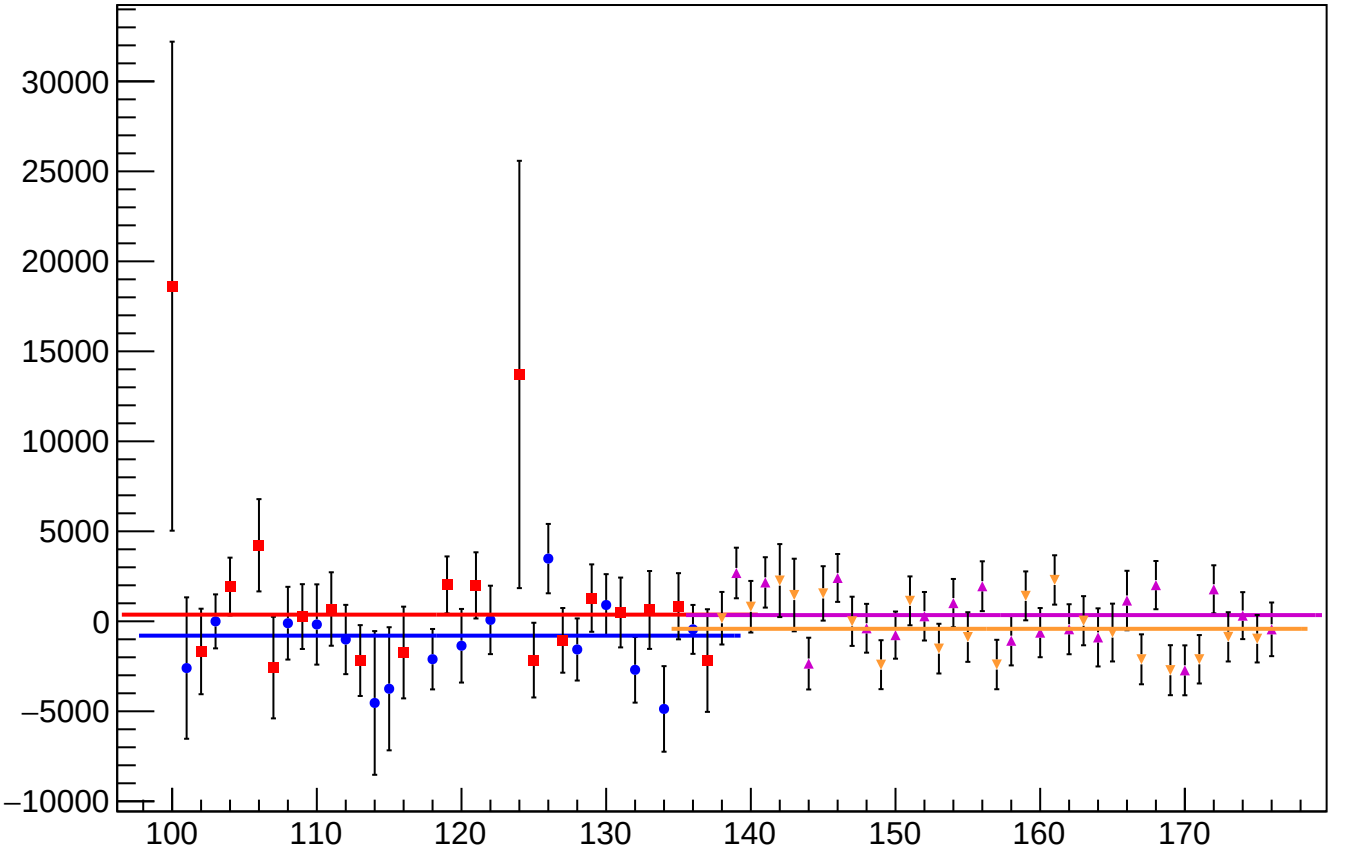
Left In: 0.000+/-0.000 χ^2/NDF:1819773.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 6821187.8/35

All: 0.000+/-0.000 χ^2/NDF: 12244534.3/73

- sign 0.000+/-0.000 χ^2/NDF: 5180190.2/37

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -417.294+/-319.809 χ^2/NDF:23.5/19

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

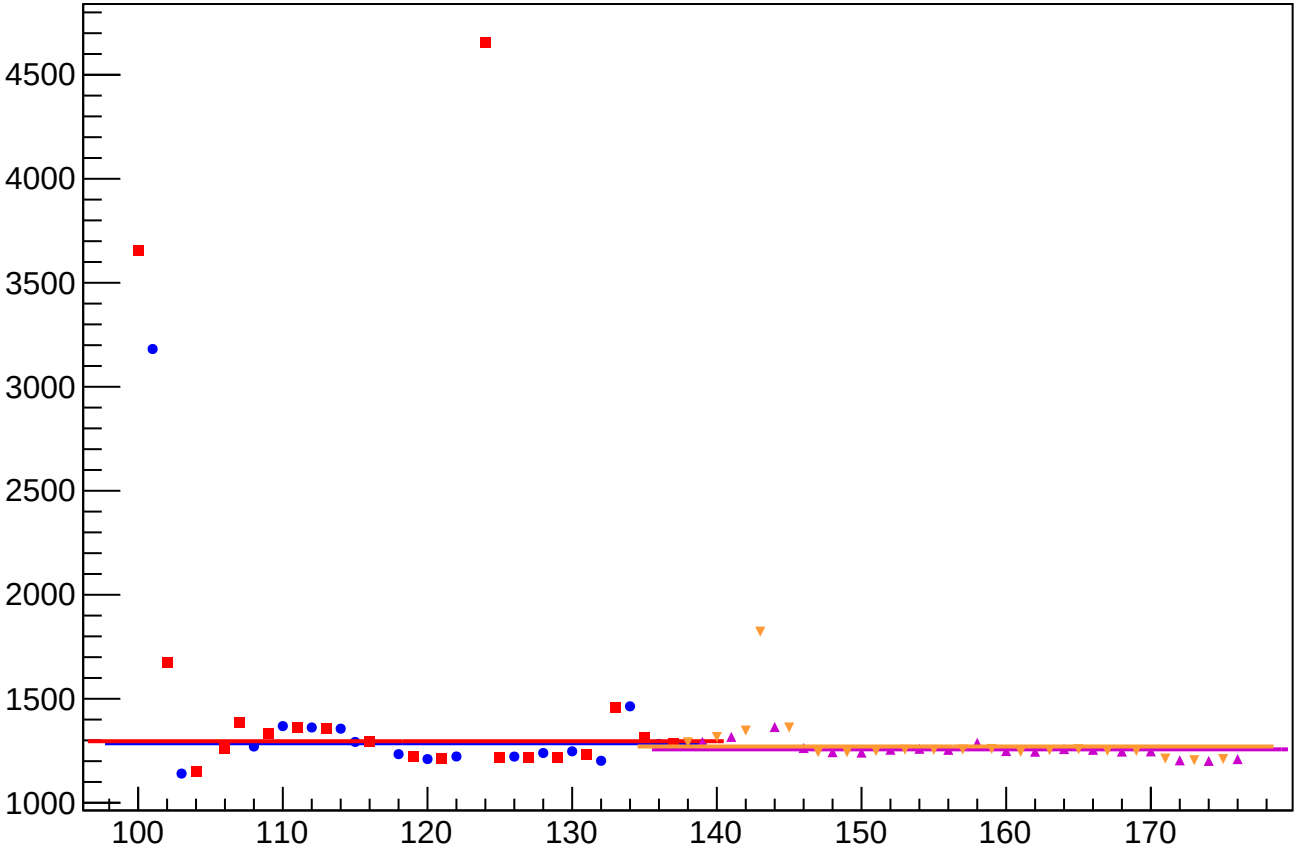
Left In: 344.707+/-318.942 χ^2/NDF:23.6/18

+ sign -531.639+/-267.396 χ^2/NDF: 37.4/35

All: -88.372+/-188.803 χ^2/NDF: 82.0/73

- sign 352.328+/-266.621 χ^2/NDF: 39.2/37

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

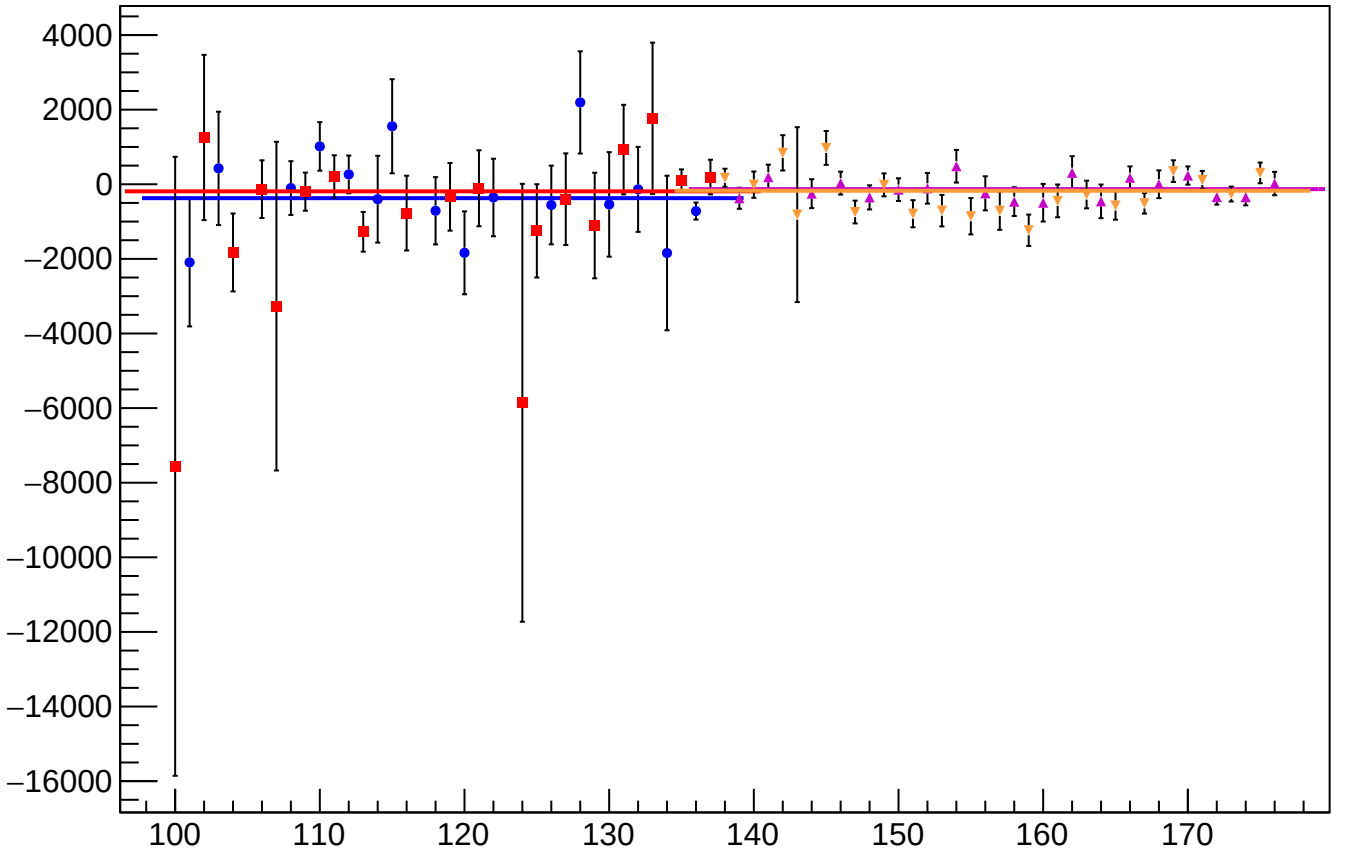
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

+ sign 1275.301+/-0.189 χ^2/NDF: 699535.4/35

All: 1271.935+/-0.134 χ^2/NDF: 1064196.0/73

- sign 1268.589+/-0.189 χ^2/NDF: 364028.8/37



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -173.360+/-74.015 χ^2/NDF:41.9/19

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

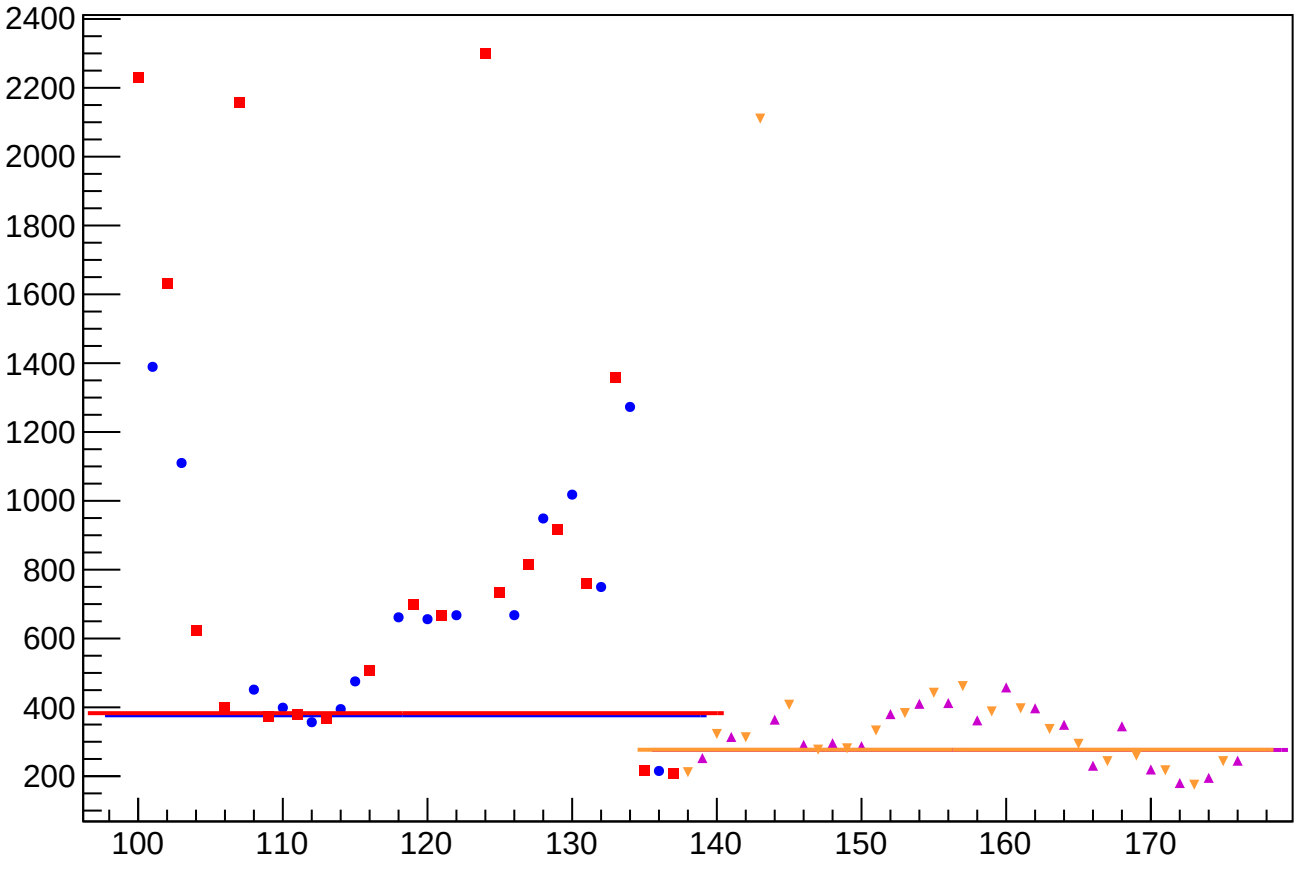
Left In: -129.752+/-73.266 χ^2/NDF:13.0/18

+ sign -205.636+/-67.746 χ^2/NDF: 61.3/35

All: -172.109+/-47.730 χ^2/NDF: 89.5/73

- sign -139.064+/-67.257 χ^2/NDF: 27.7/37

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 276.848+/-0.052 χ^2/NDF:3300805.1/19

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

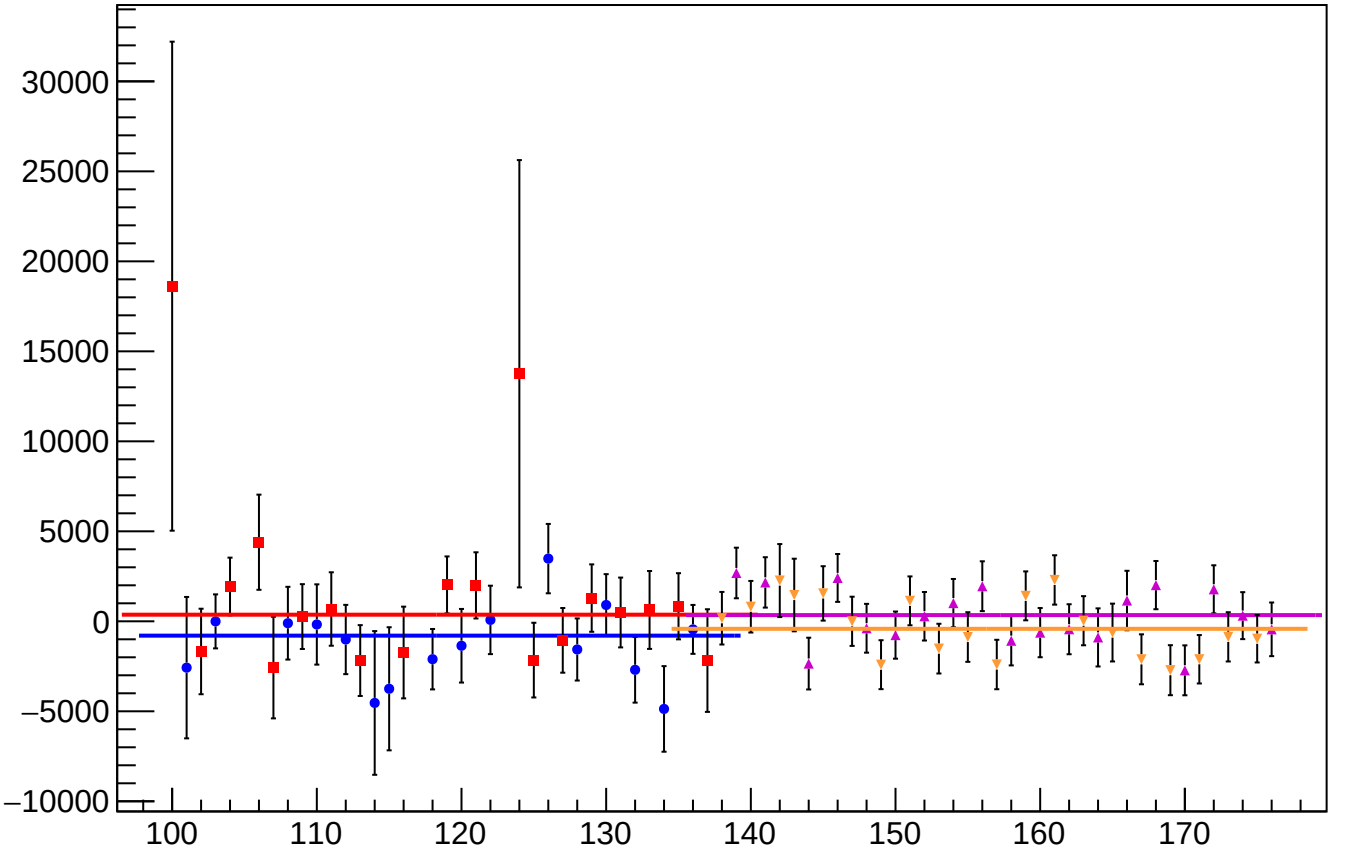
Left In: 276.202+/-0.052 χ^2/NDF:2186294.9/18

+ sign 293.077+/-0.048 χ^2/NDF: 8083762.3/35

All: 293.045+/-0.034 χ^2/NDF: 14993604.0/73

- sign 293.014+/-0.048 χ^2/NDF: 6909840.8/37

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

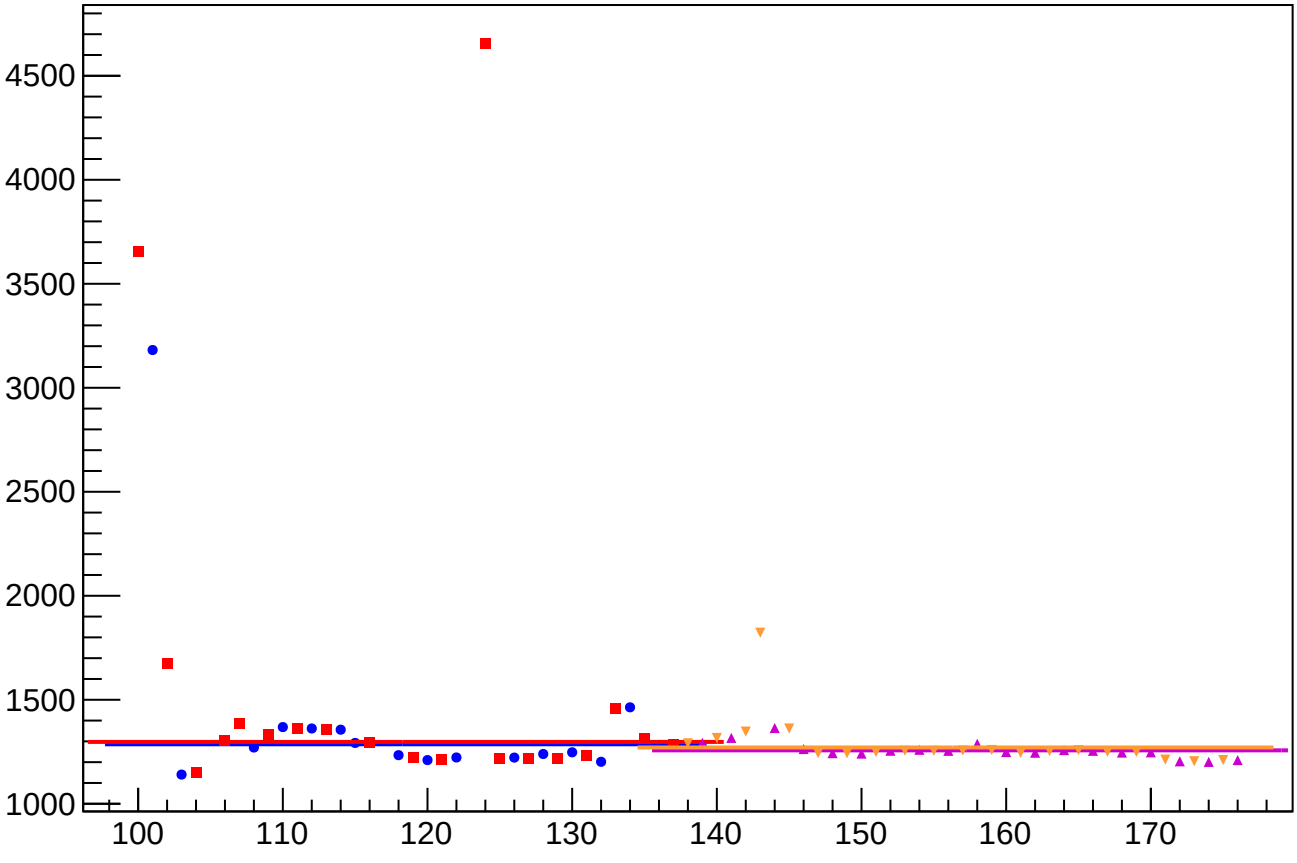
Left In: 344.660+/-318.942 χ^2/NDF:23.6/18

\+ sign -531.490+/-267.396 χ^2/NDF: 37.4/35

All: -88.845+/-188.834 χ^2/NDF: 82.1/73

\- sign 351.521+/-266.707 χ^2/NDF: 39.3/37

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

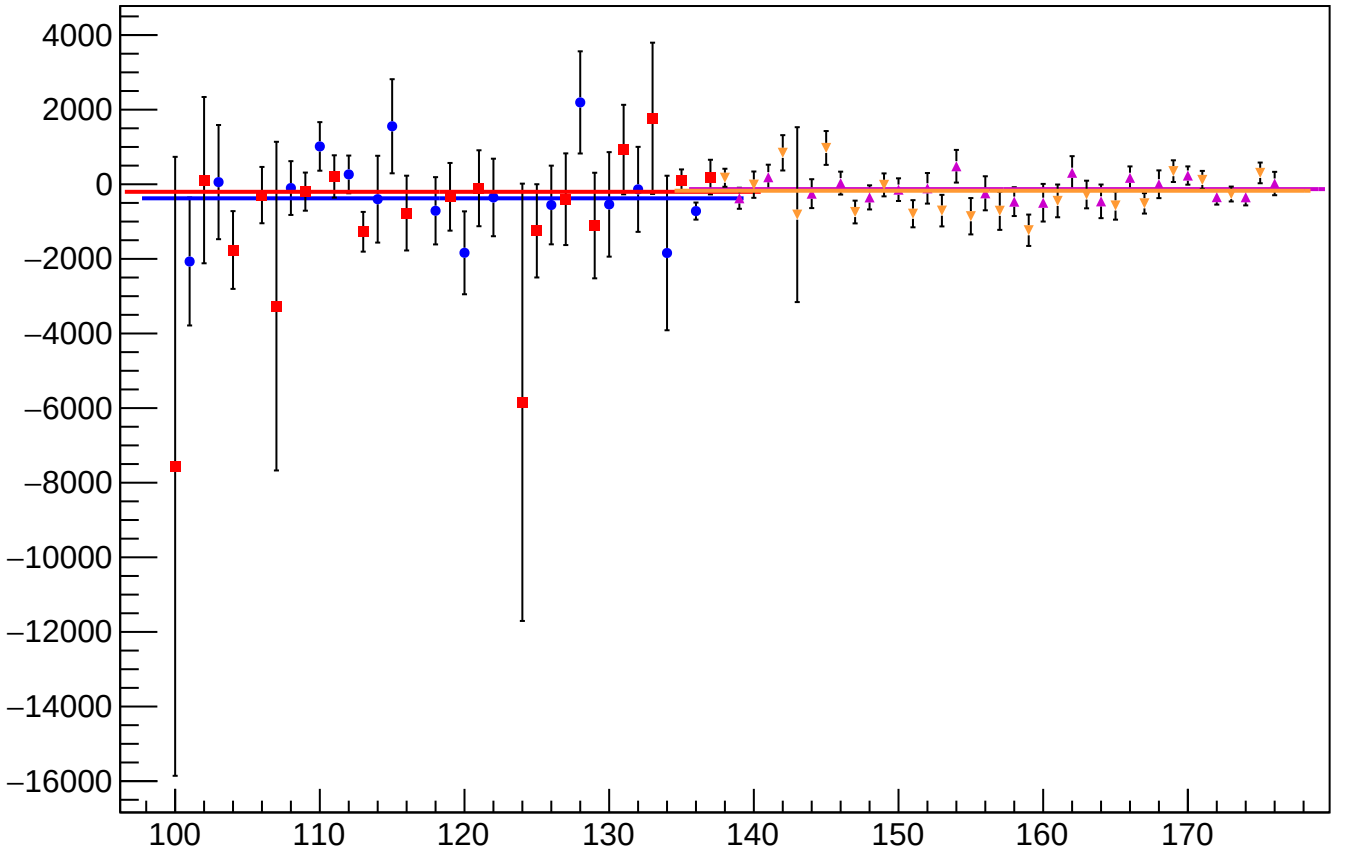
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

+ sign 1275.301+/-0.189 χ^2/NDF: 699536.8/35

All: 1272.146+/-0.134 χ^2/NDF: 1064463.1/73

- sign 1269.008+/-0.189 χ^2/NDF: 364371.0/37



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -173.341+/-74.017 χ^2/NDF:41.9/19

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

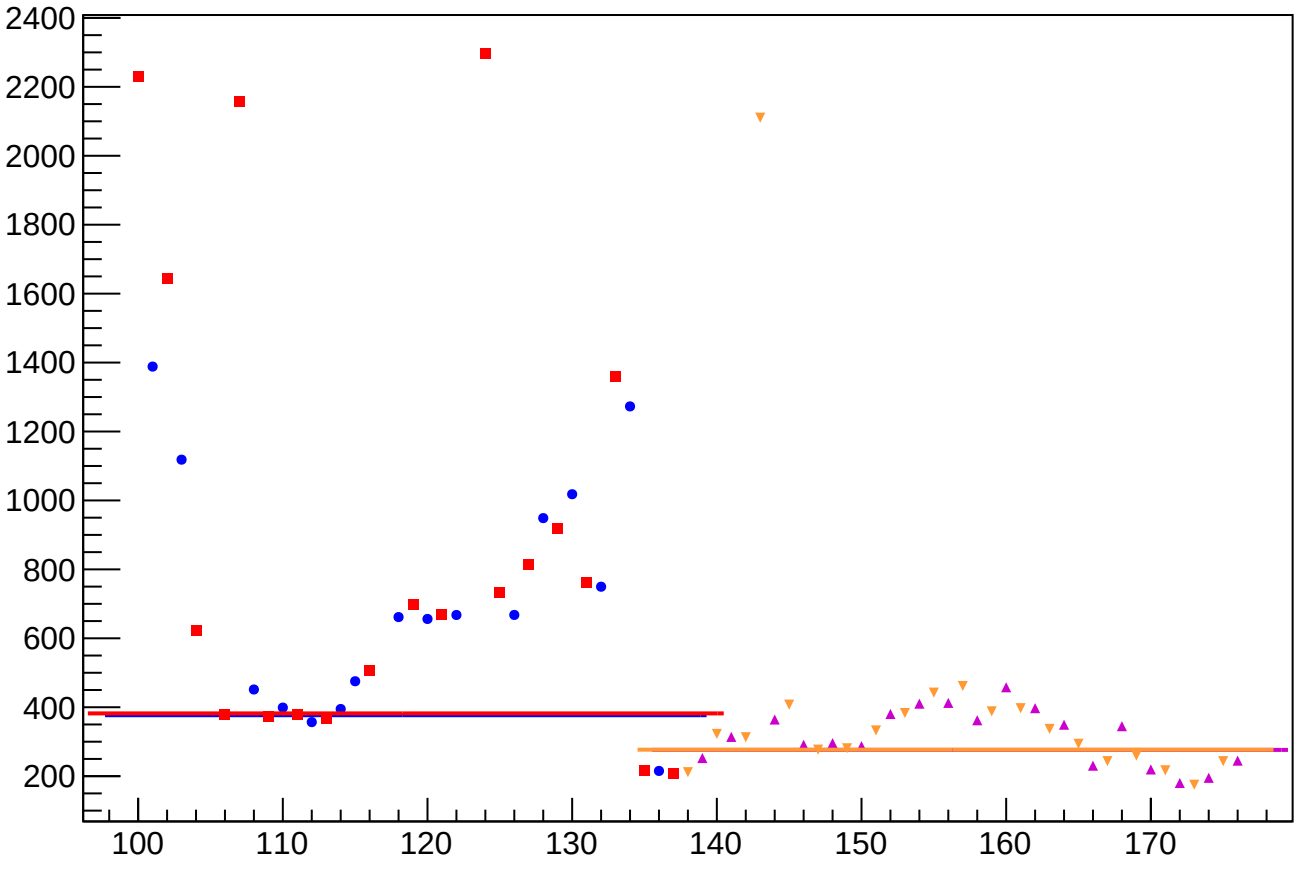
Left In: -129.837+/-73.267 χ^2/NDF:13.0/18

+ sign -206.336+/-67.749 χ^2/NDF: 61.1/35

All: -173.542+/-47.727 χ^2/NDF: 88.7/73

- sign -141.234+/-67.246 χ^2/NDF: 27.2/37

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: 276.857+/-0.052 χ^2/NDF:3300574.5/19

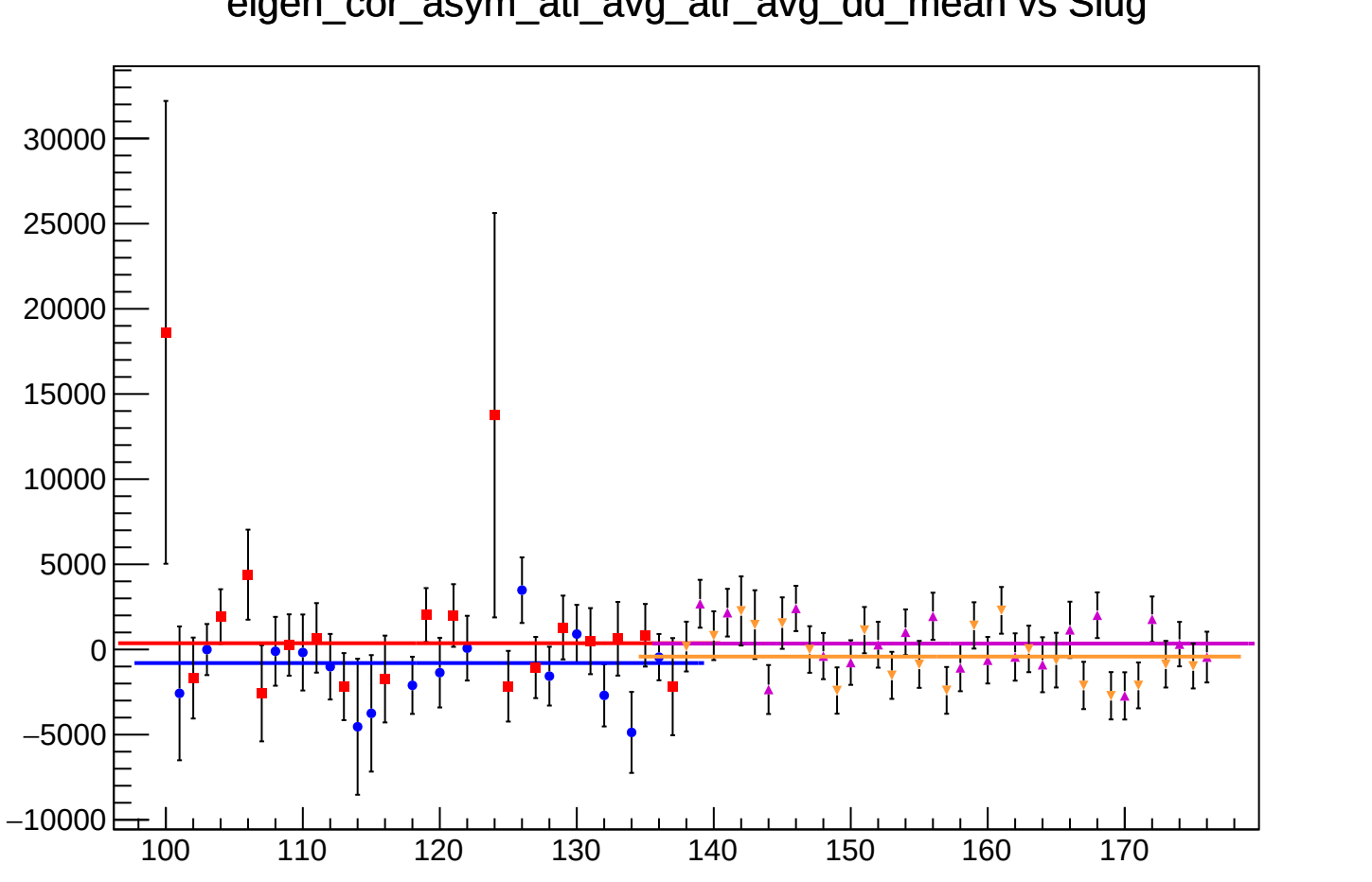
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

+ sign 293.081+/-0.048 χ^2/NDF: 8086324.7/35

All: 292.992+/-0.034 χ^2/NDF: 14990984.8/73

- sign 292.905+/-0.048 χ^2/NDF: 6904653.3/37



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

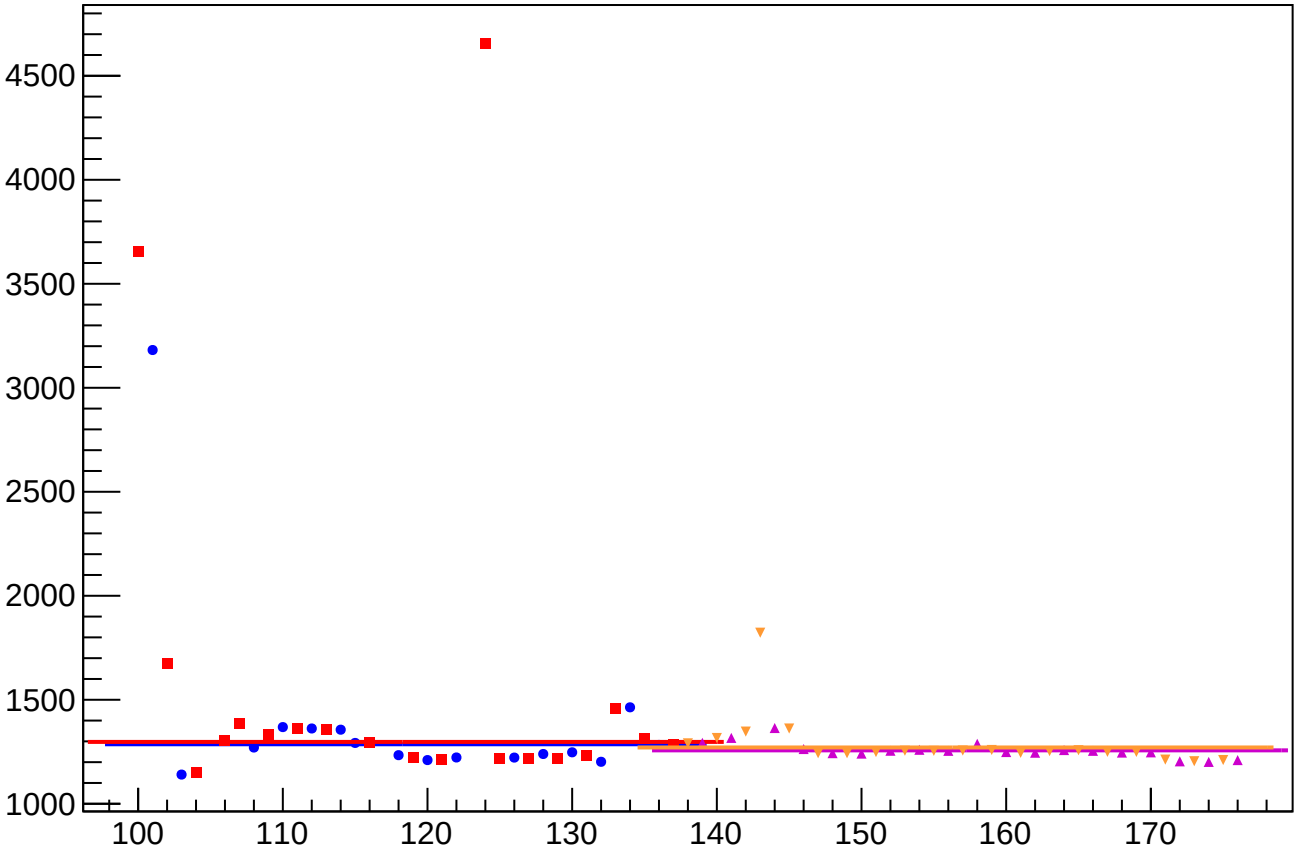
Left In: 344.660+/-318.942 χ^2/NDF:23.6/18

\+ sign -531.490+/-267.396 χ^2/NDF: 37.4/35

All: -88.845+/-188.834 χ^2/NDF: 82.1/73

\- sign 351.521+/-266.707 χ^2/NDF: 39.3/37

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: 1270.654+/-0.226 χ^2/NDF:180005.1/19

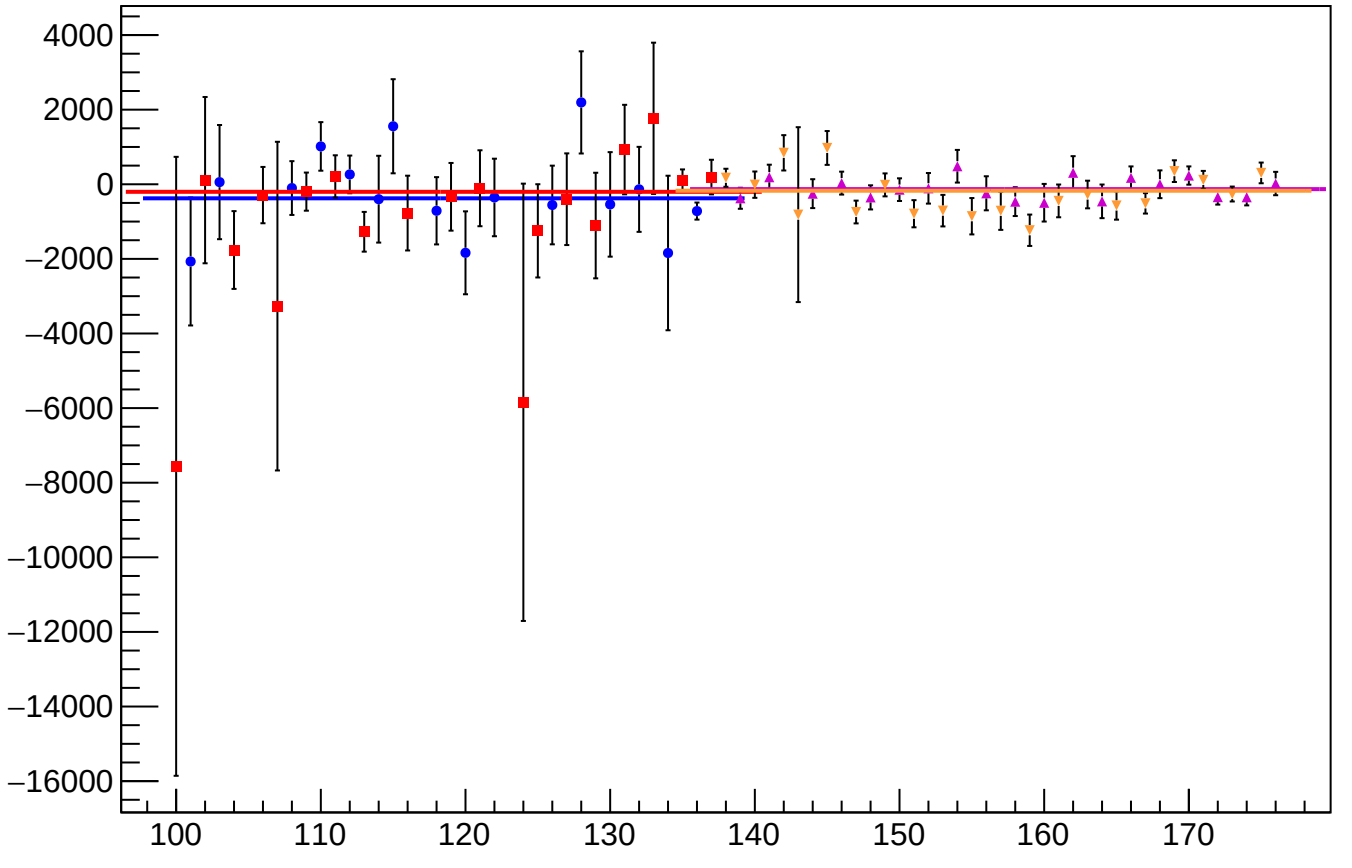
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

+ sign 1275.301+/-0.189 χ^2/NDF: 699536.8/35

All: 1272.146+/-0.134 χ^2/NDF: 1064463.1/73

- sign 1269.008+/-0.189 χ^2/NDF: 364371.0/37



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -173.341+/-74.017 χ^2/NDF:41.9/19

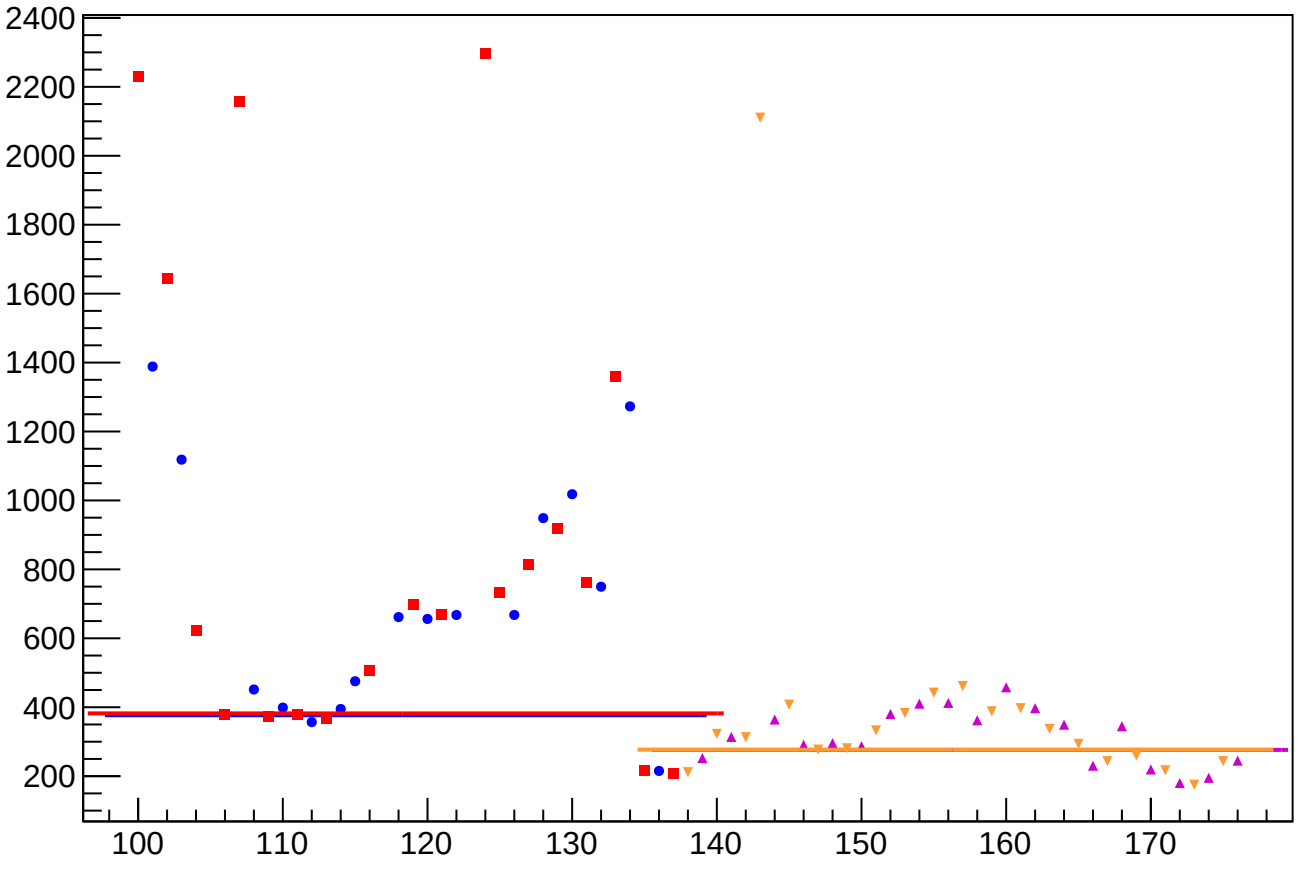
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -129.837+/-73.267 χ^2/NDF:13.0/18

+ sign -206.336+/-67.749 χ^2/NDF: 61.1/35

All: -173.542+/-47.727 χ^2/NDF: 88.7/73

- sign -141.234+/-67.246 χ^2/NDF: 27.2/37



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 276.857+/-0.052 χ^2/NDF:3300574.5/19

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

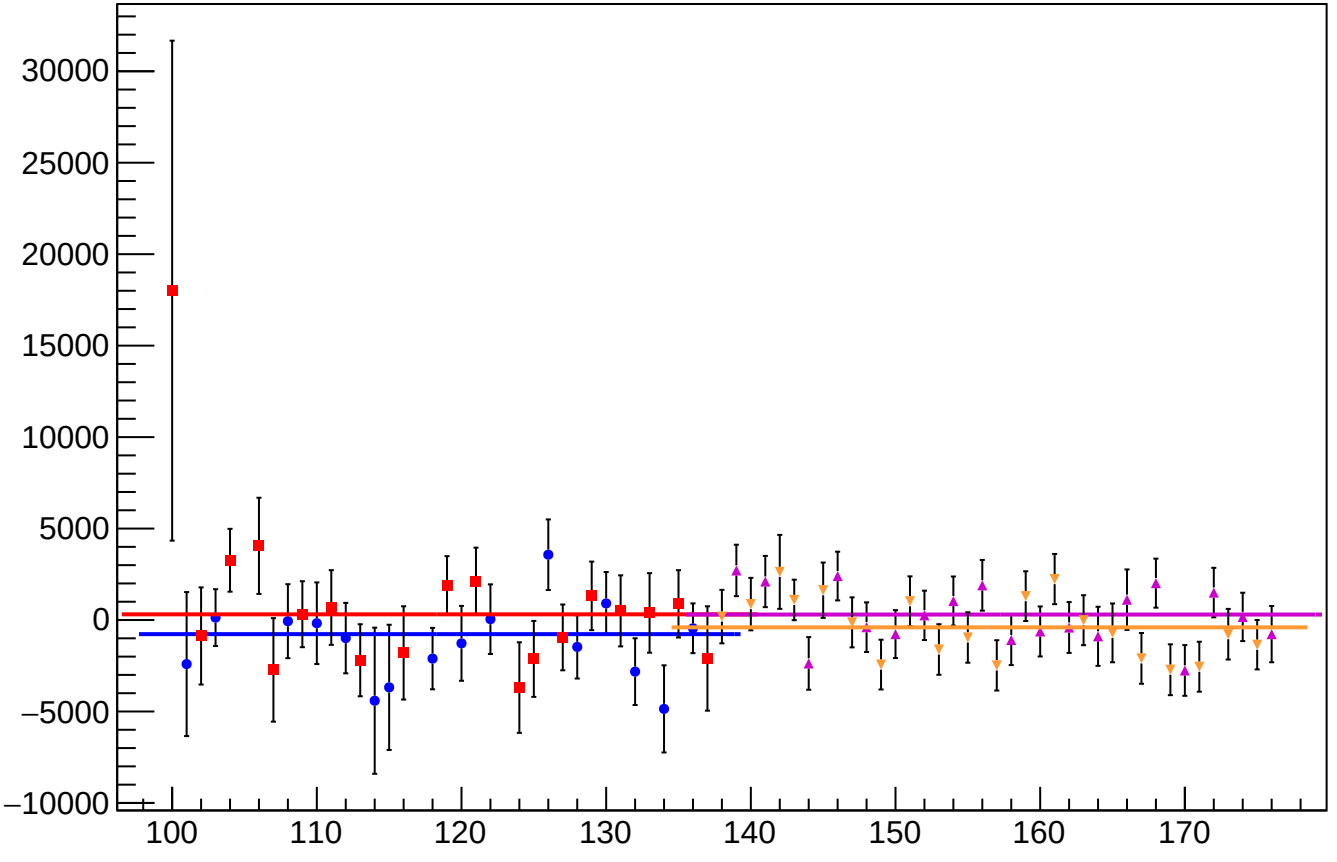
Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

+ sign 293.081+/-0.048 χ^2/NDF: 8086324.7/35

All: 292.992+/-0.034 χ^2/NDF: 14990984.8/73

- sign 292.905+/-0.048 χ^2/NDF: 6904653.3/37

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -399.922+/-311.835 χ^2/NDF:26.1/19

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

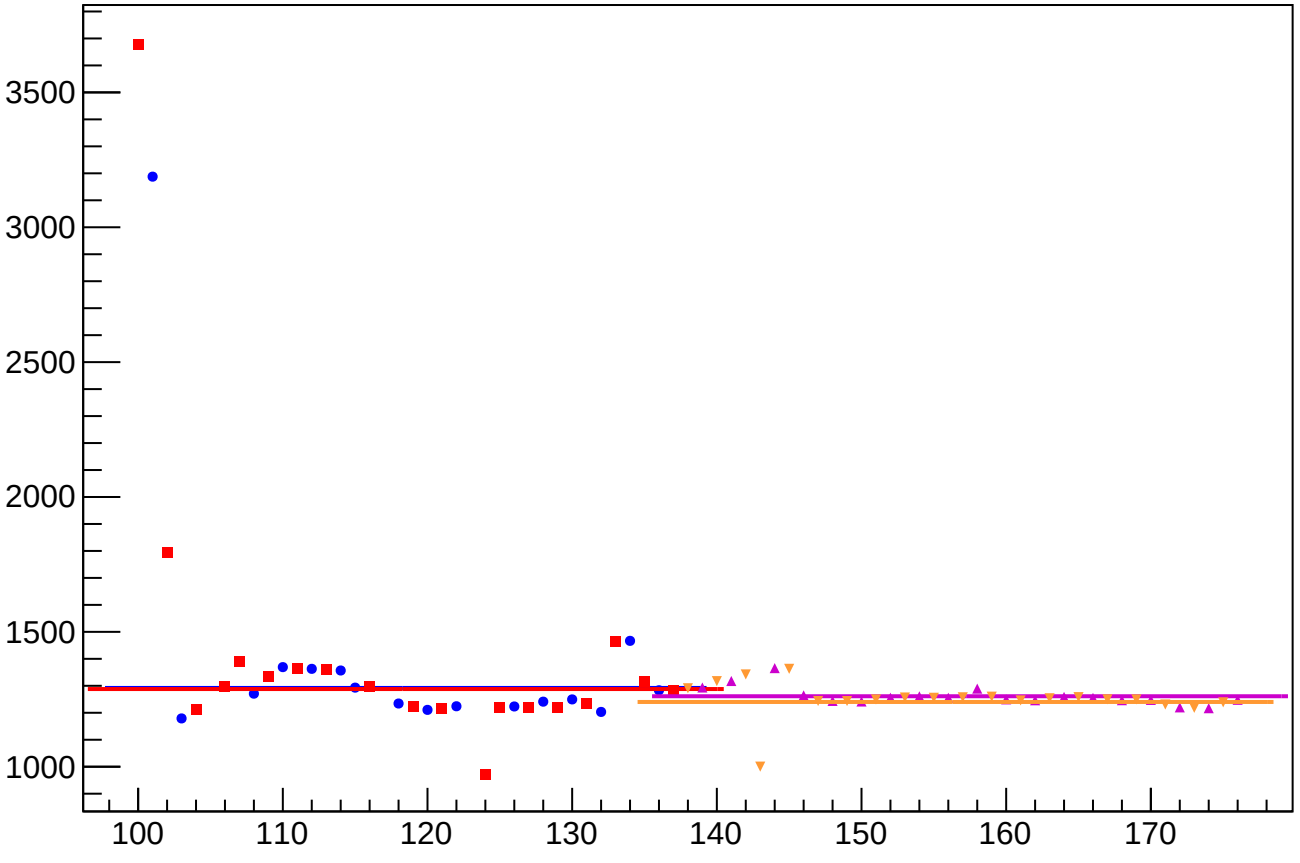
Left In: 299.204+/-320.057 χ^2/NDF:23.4/18

+ sign -507.156+/-263.018 χ^2/NDF: 40.2/35

All: -107.798+/-187.283 χ^2/NDF: 86.2/73

- sign 302.935+/-266.737 χ^2/NDF: 41.3/37

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.8/19

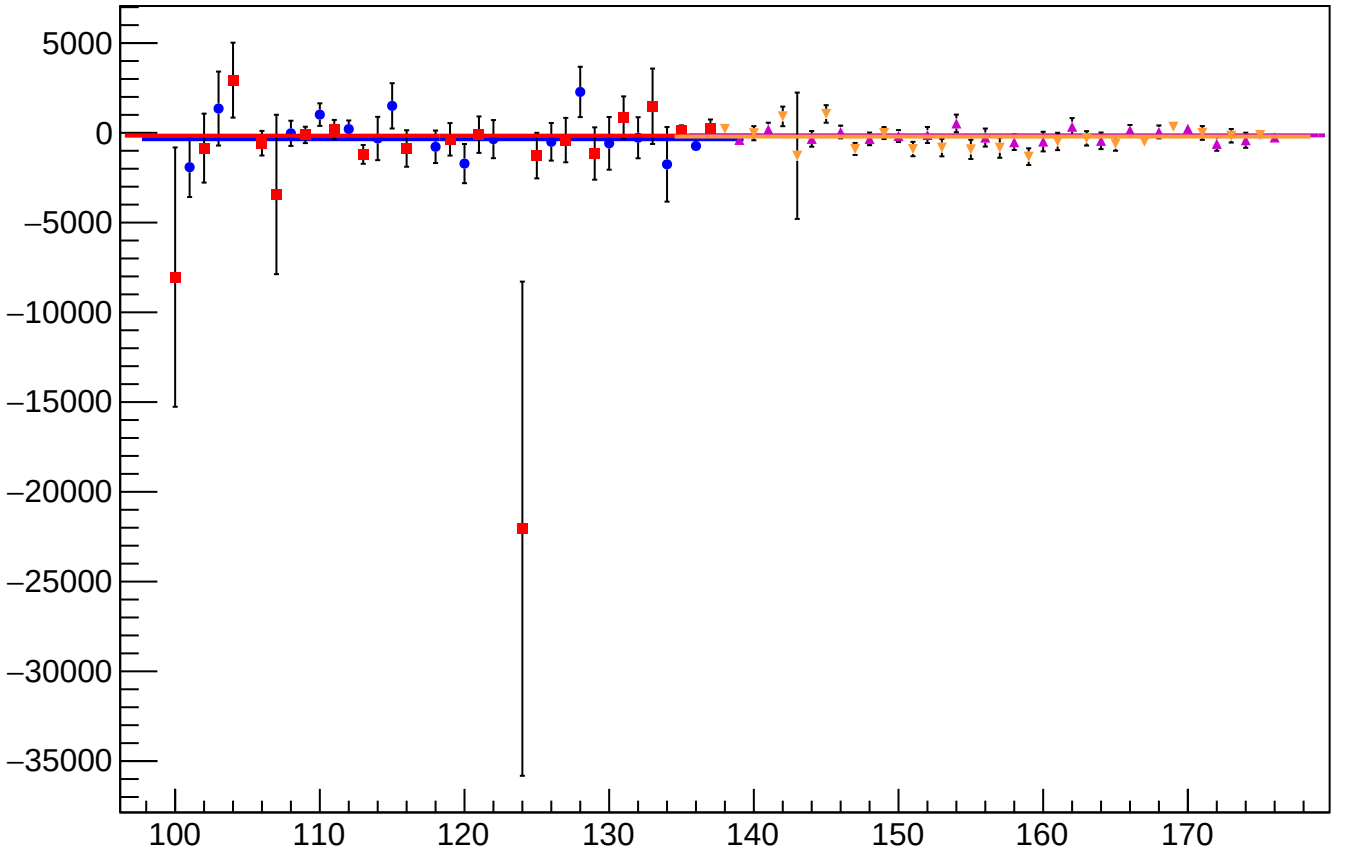
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.294+/-0.226 χ^2/NDF:21597.9/18

+ sign 1255.063+/-0.186 χ^2/NDF: 648390.2/35

All: 1262.154+/-0.132 χ^2/NDF: 886395.5/73

- sign 1269.448+/-0.189 χ^2/NDF: 235056.0/37



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -208.923+/-77.385 χ^2/NDF:39.3/19

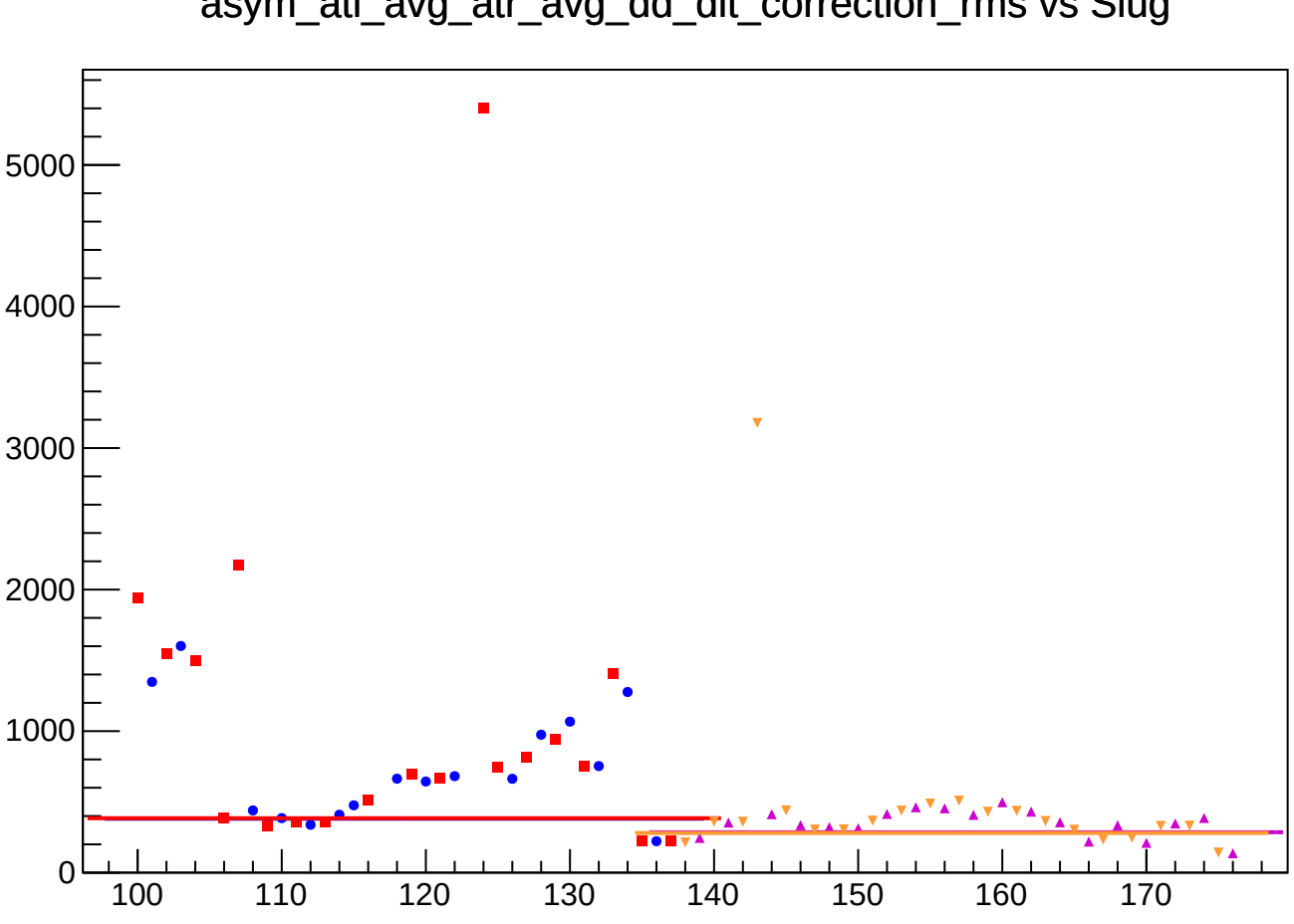
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -140.612+/-77.662 χ^2/NDF:13.0/18

+ sign -234.042+/-70.429 χ^2/NDF: 58.4/35

All: -188.946+/-49.867 χ^2/NDF: 88.0/73

- sign -143.611+/-70.615 χ^2/NDF: 28.8/37



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 280.526+/-0.055 χ^2/NDF:4928292.4/19

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

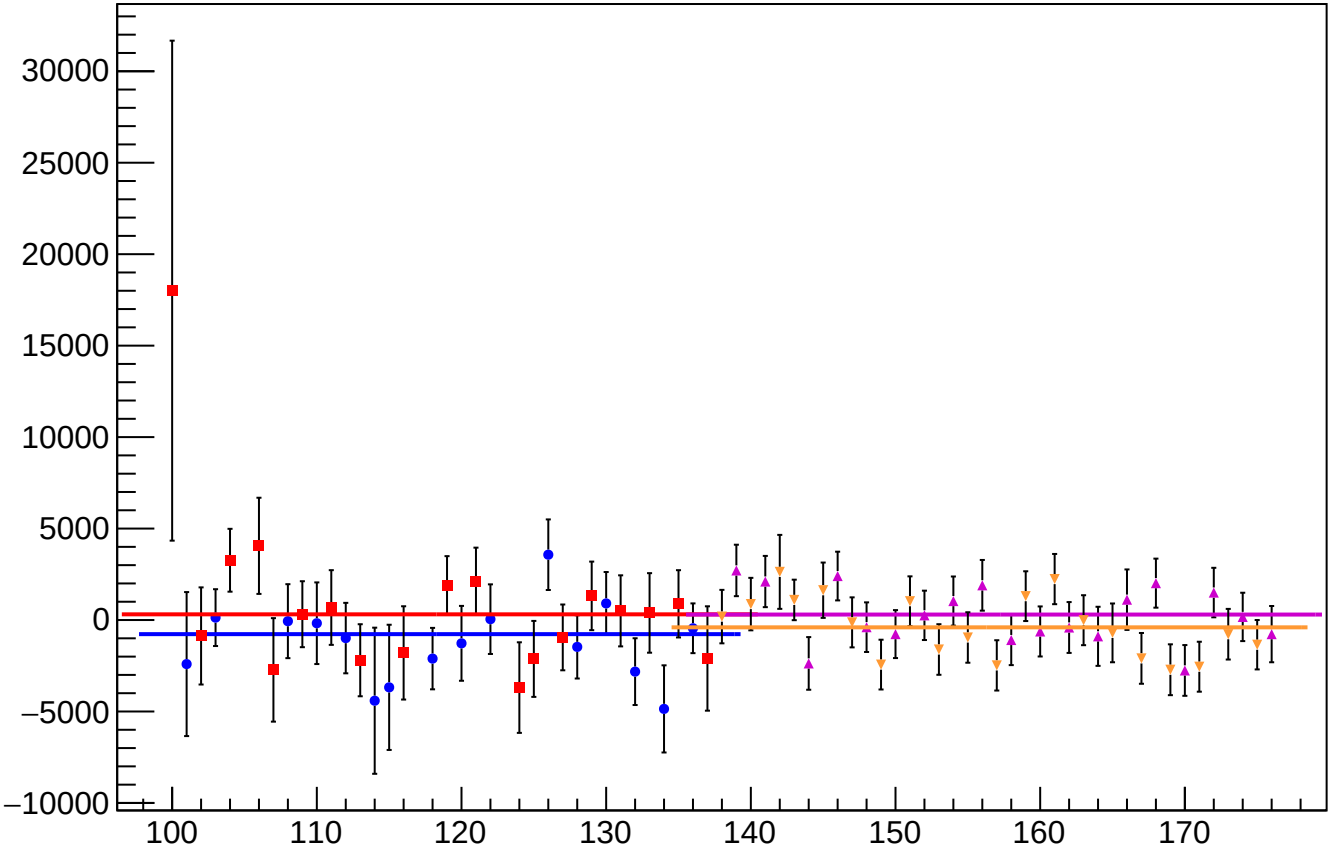
Left In: 285.725+/-0.055 χ^2/NDF:3737837.6/18

+ sign 297.837+/-0.050 χ^2/NDF: 9829110.8/35

All: 300.343+/-0.035 χ^2/NDF: 18694378.4/73

- sign 302.862+/-0.050 χ^2/NDF: 8860190.6/37

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: -399.921+/-311.835 χ^2/NDF:26.1/19

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

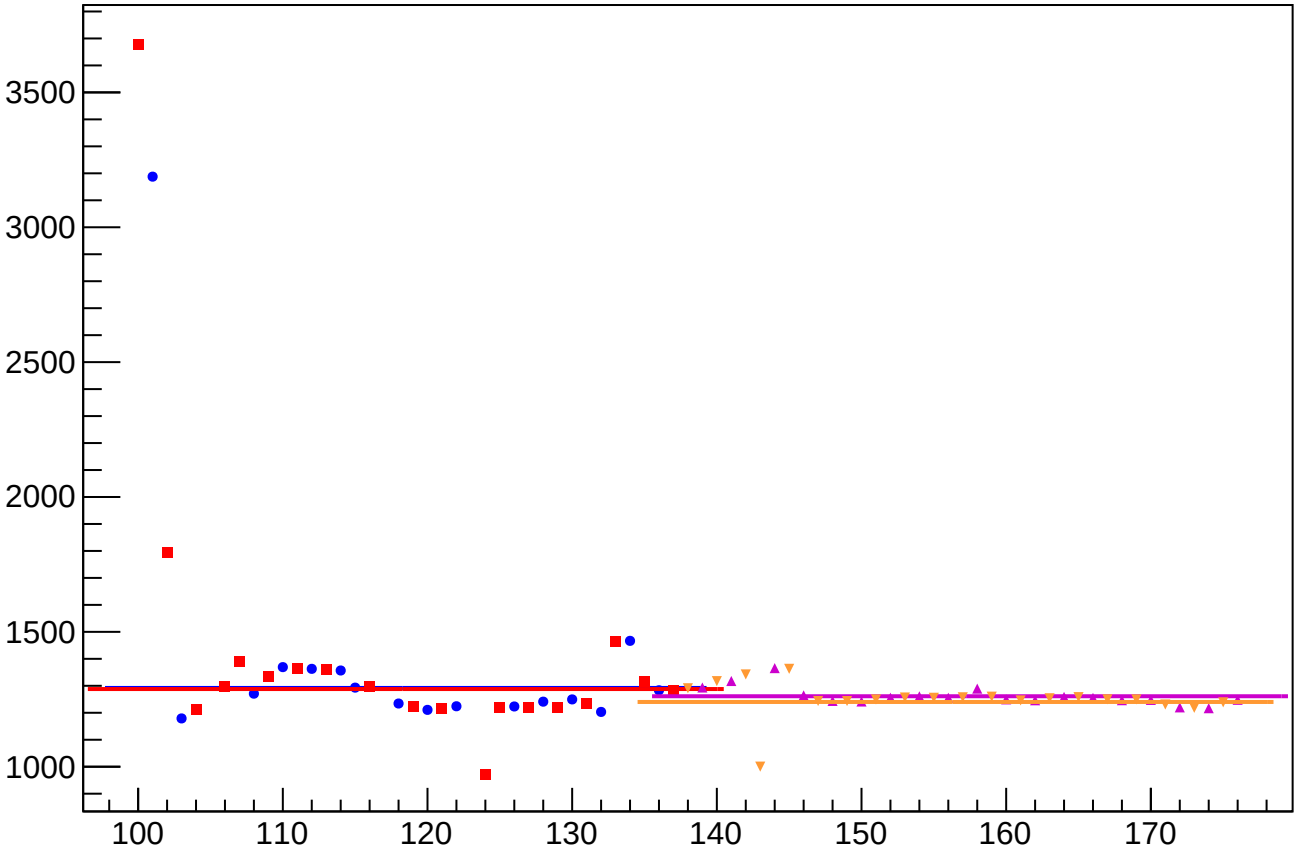
Left In: 299.204+/-320.057 χ^2/NDF:23.4/18

+ sign -507.156+/-263.018 χ^2/NDF: 40.2/35

All: -107.798+/-187.283 χ^2/NDF: 86.2/73

- sign 302.935+/-266.737 χ^2/NDF: 41.3/37

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.0/19

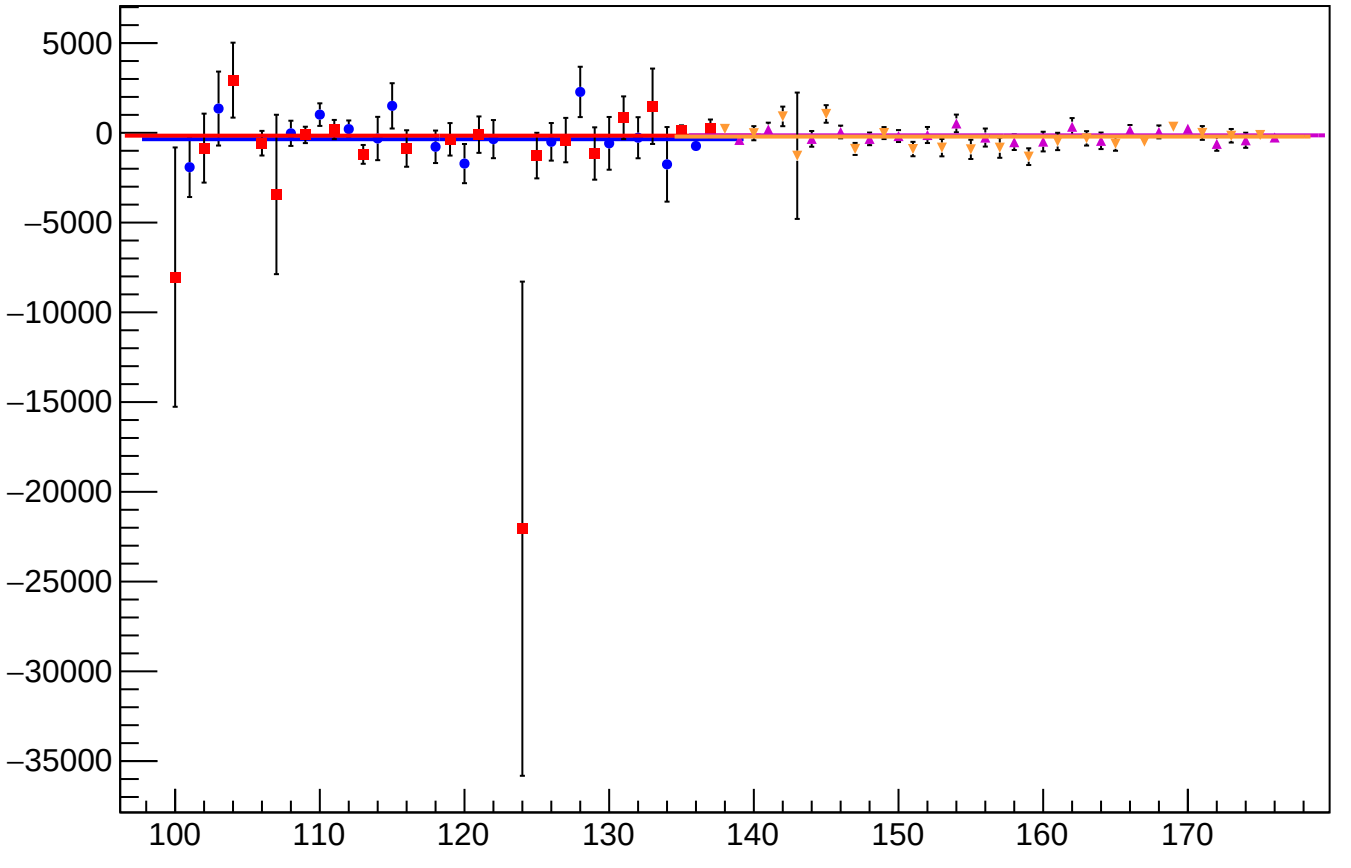
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.294+/-0.226 χ^2/NDF:21598.0/18

+ sign 1255.063+/-0.186 χ^2/NDF: 648389.4/35

All: 1262.154+/-0.132 χ^2/NDF: 886395.0/73

- sign 1269.447+/-0.189 χ^2/NDF: 235056.5/37



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -208.928+/-77.385 χ^2/NDF:39.3/19

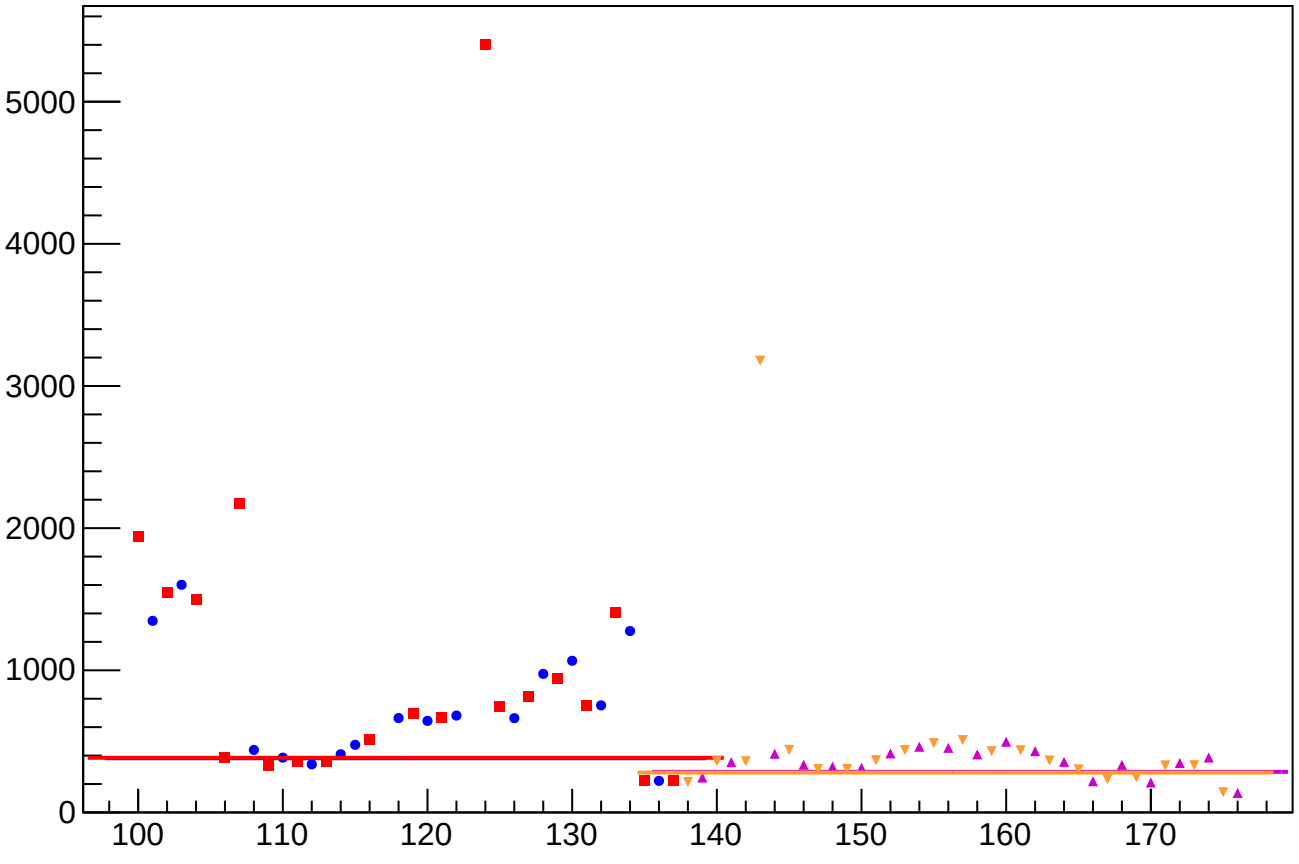
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -140.611+/-77.662 χ^2/NDF:13.0/18

+ sign -234.046+/-70.430 χ^2/NDF: 58.4/35

All: -188.948+/-49.867 χ^2/NDF: 88.0/73

- sign -143.611+/-70.616 χ^2/NDF: 28.8/37



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 280.528+/-0.055 χ^2/NDF:4928206.5/19

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

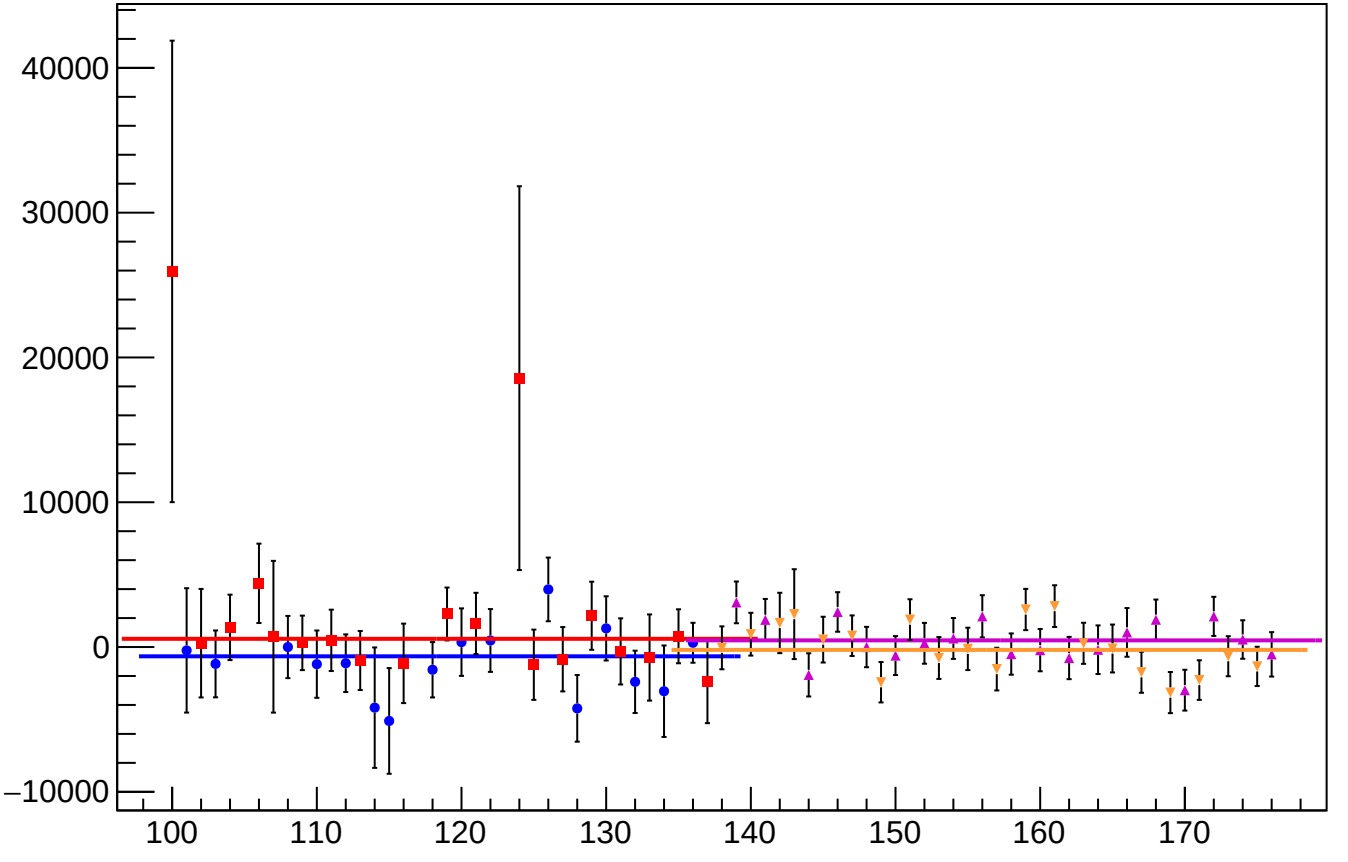
Left In: 285.727+/-0.055 χ^2/NDF:3737780.6/18

+ sign 297.840+/-0.050 χ^2/NDF: 9828917.8/35

All: 300.345+/-0.035 χ^2/NDF: 18694049.2/73

- sign 302.864+/-0.050 χ^2/NDF: 8860056.1/37

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -198.722+/-333.133 χ^2/NDF:25.4/19

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

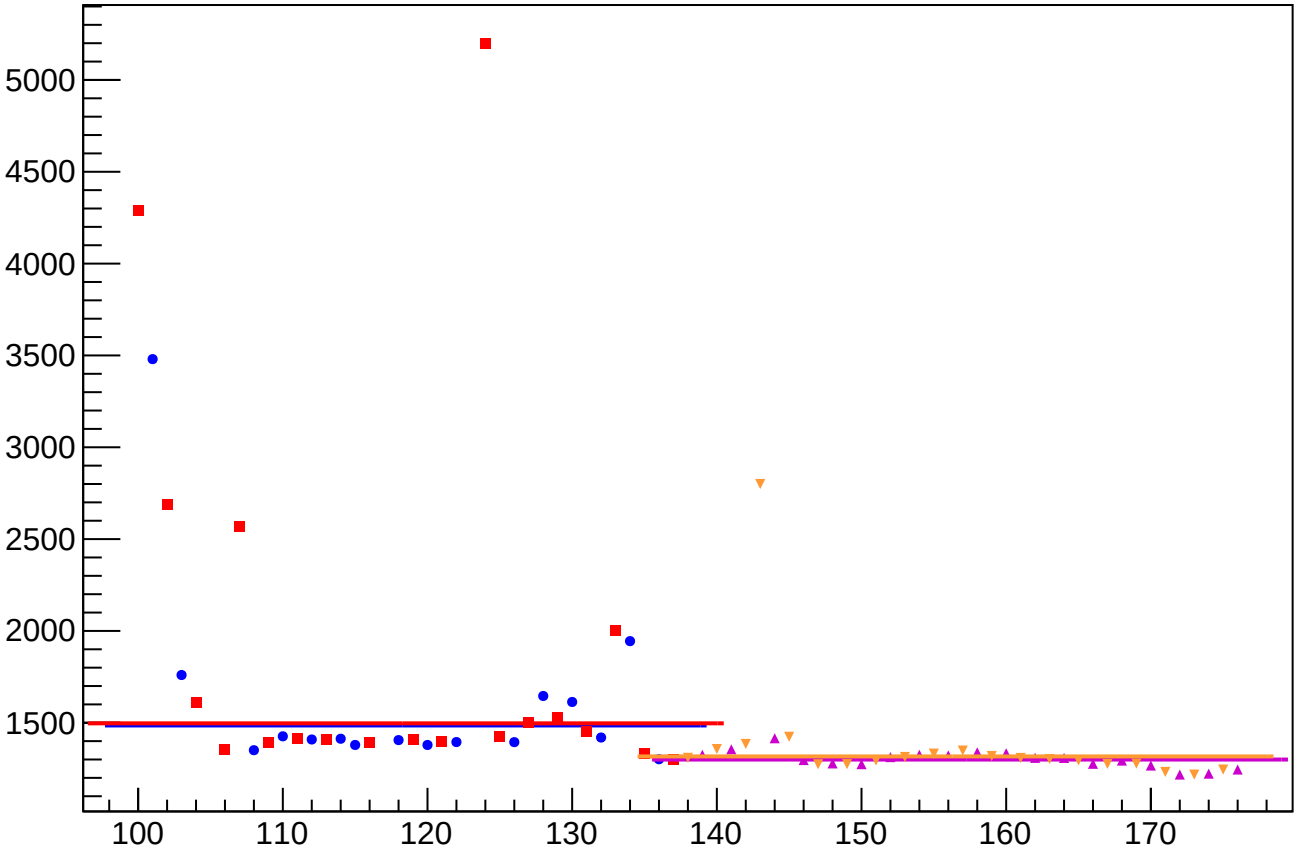
Left In: 460.577+/-329.908 χ^2/NDF:21.5/18

+ sign -312.959+/-286.882 χ^2/NDF: 38.3/35

All: 89.770+/-202.232 χ^2/NDF: 75.0/73

- sign 487.574+/-285.123 χ^2/NDF: 32.8/37

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1316.727+/-0.236 χ^2/NDF:502306.7/19

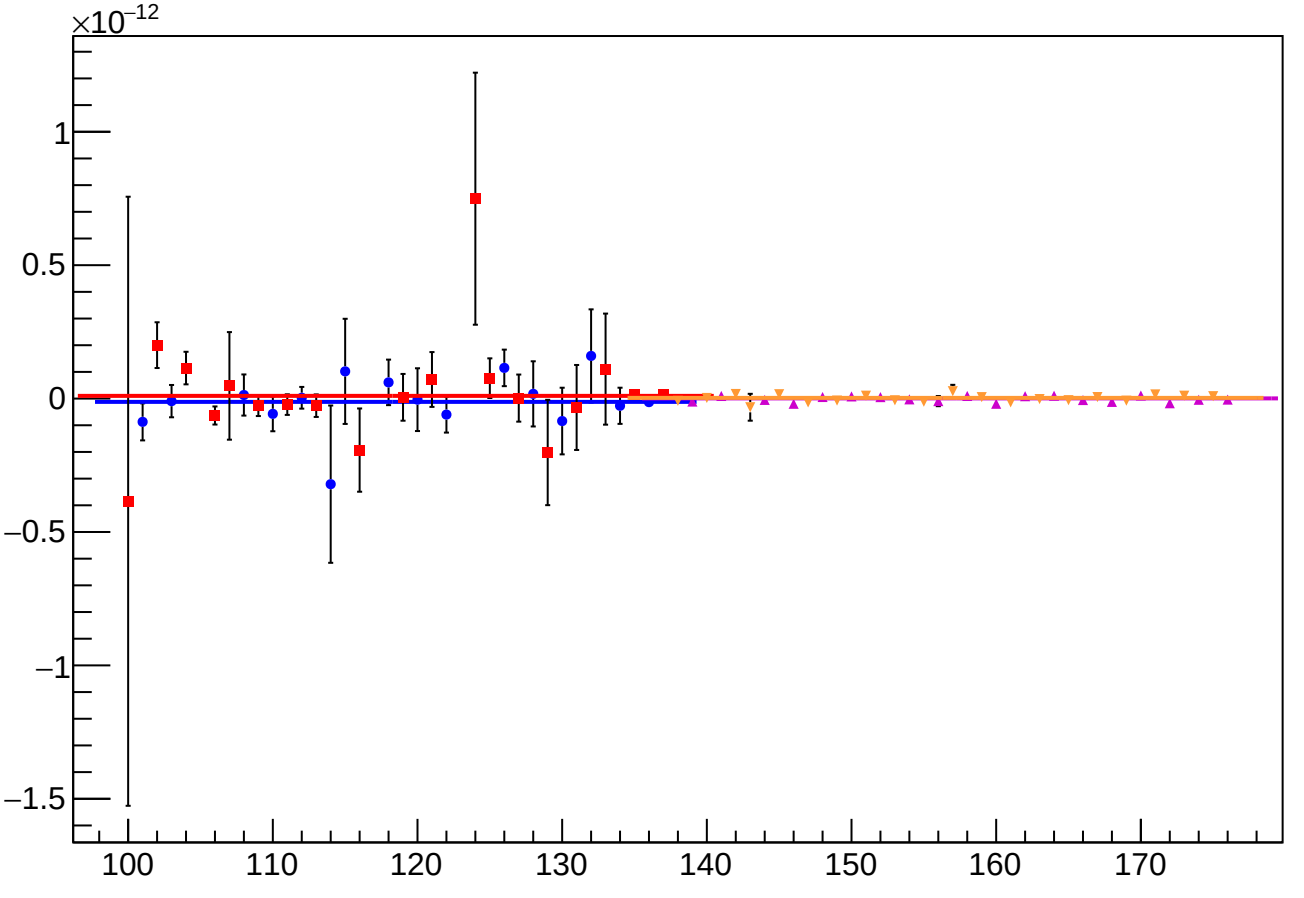
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1299.726+/-0.233 χ^2/NDF:38947.4/18

+ sign 1360.304+/-0.203 χ^2/NDF: 1219216.3/35

All: 1354.928+/-0.143 χ^2/NDF: 2063585.8/73

- sign 1349.617+/-0.202 χ^2/NDF: 842973.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.9/19

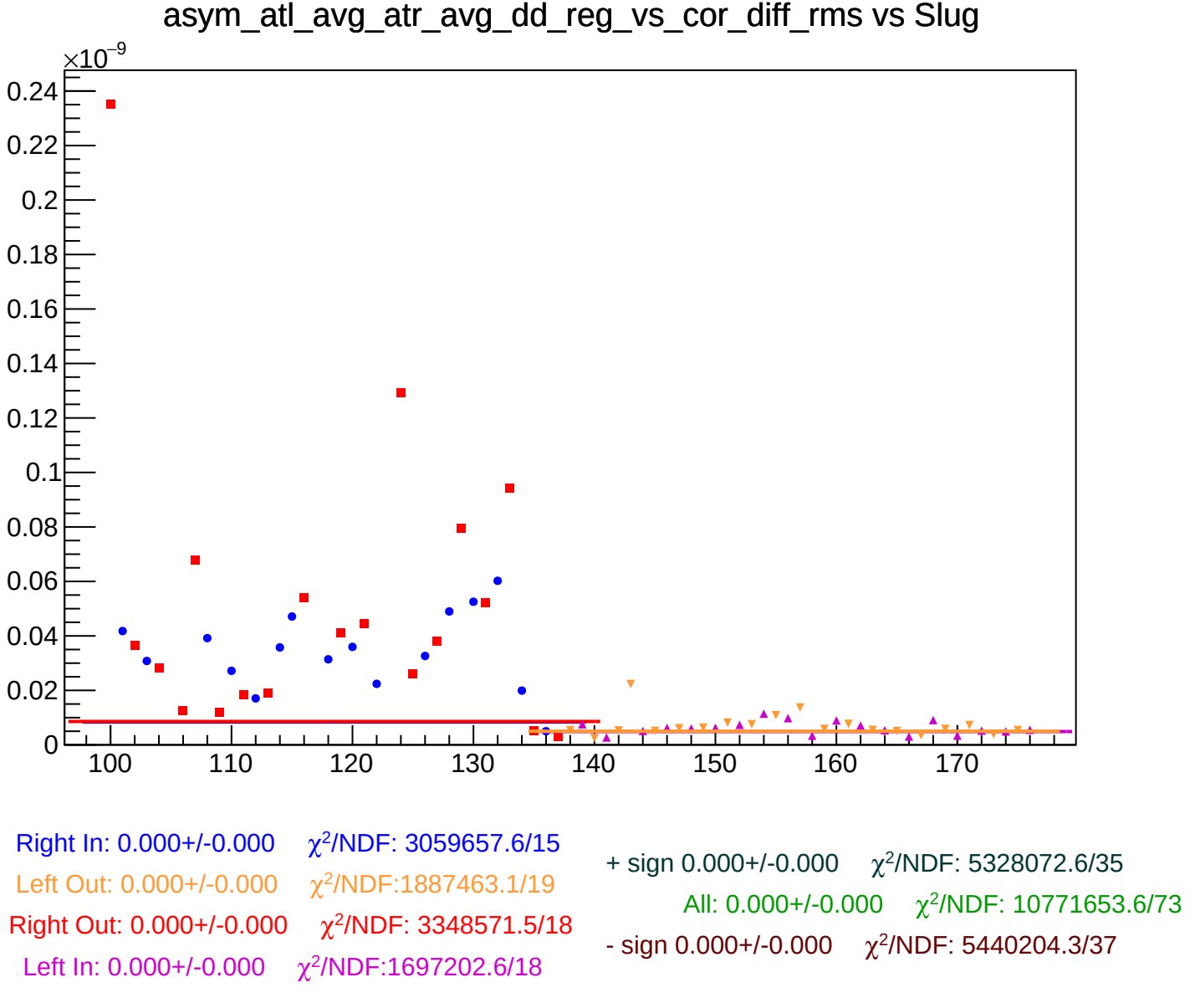
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

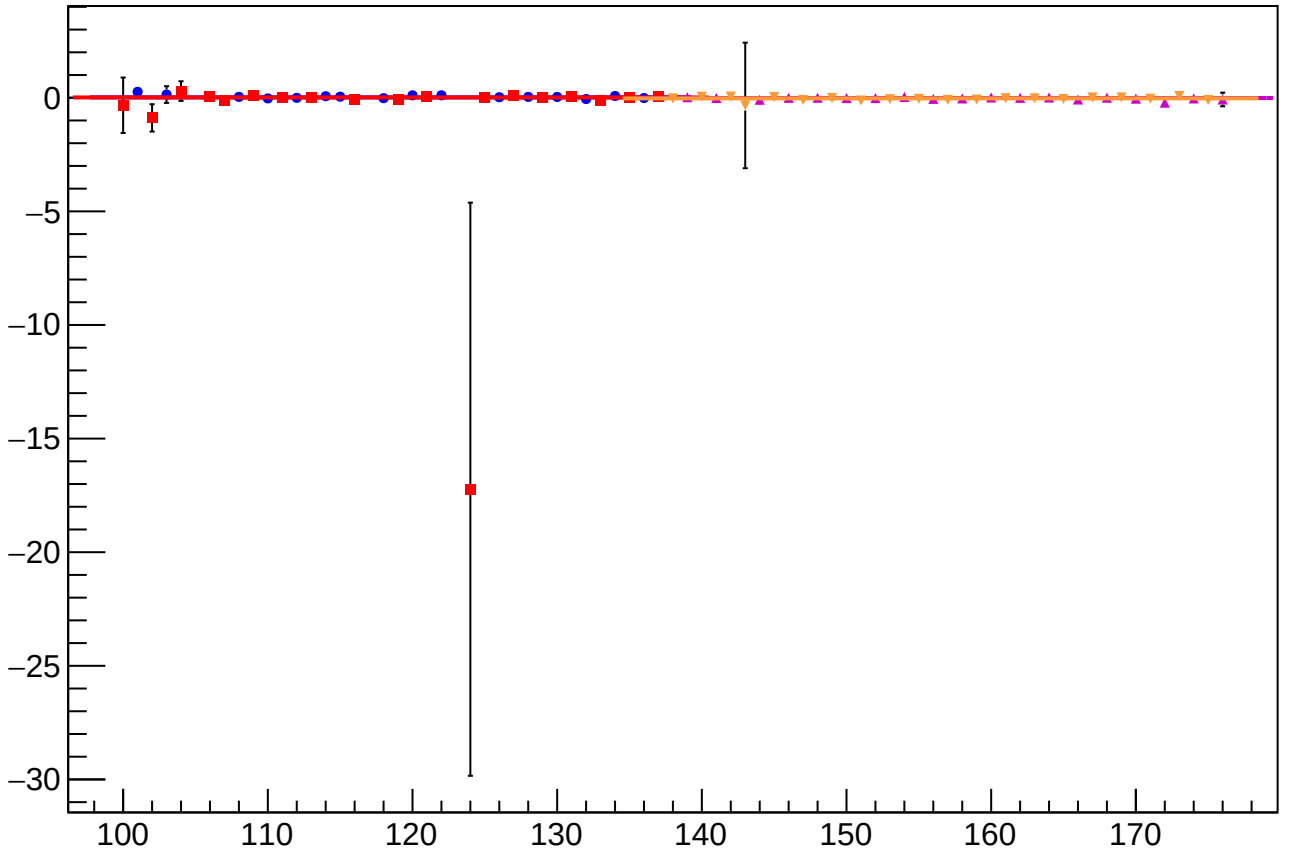
Left In: 0.000+/-0.000 χ^2/NDF:21.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 32.1/35

All: 0.000+/-0.000 χ^2/NDF: 77.6/73

- sign 0.000+/-0.000 χ^2/NDF: 45.5/37


asym_atl_avg_atr_avg_dd_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
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3059657.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1887463.1/19
Right Out: 0.000+/-0.000 χ²/NDF: 3348571.5/18
Left In: 0.000+/-0.000 χ²/NDF:1697202.6/18
+ sign 0.000+/-0.000 χ²/NDF: 5328072.6/35
All: 0.000+/-0.000 χ²/NDF: 10771653.6/73
- sign 0.000+/-0.000 χ²/NDF: 5440204.3/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

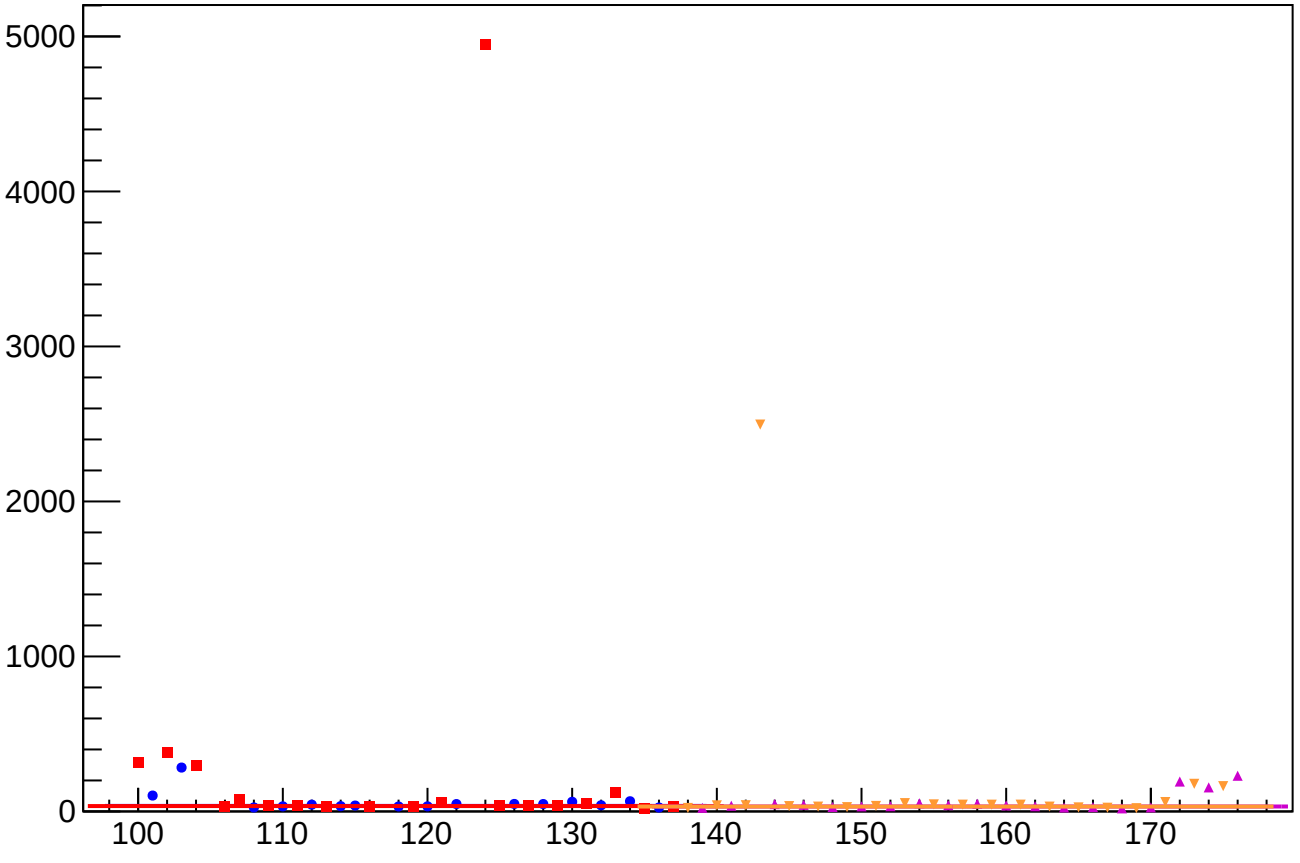
Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

\+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.7/73

\- sign -0.005+/-0.008 χ^2/NDF: 28.6/37

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: 31.676+/-0.007 χ^2/NDF:5318511.7/19

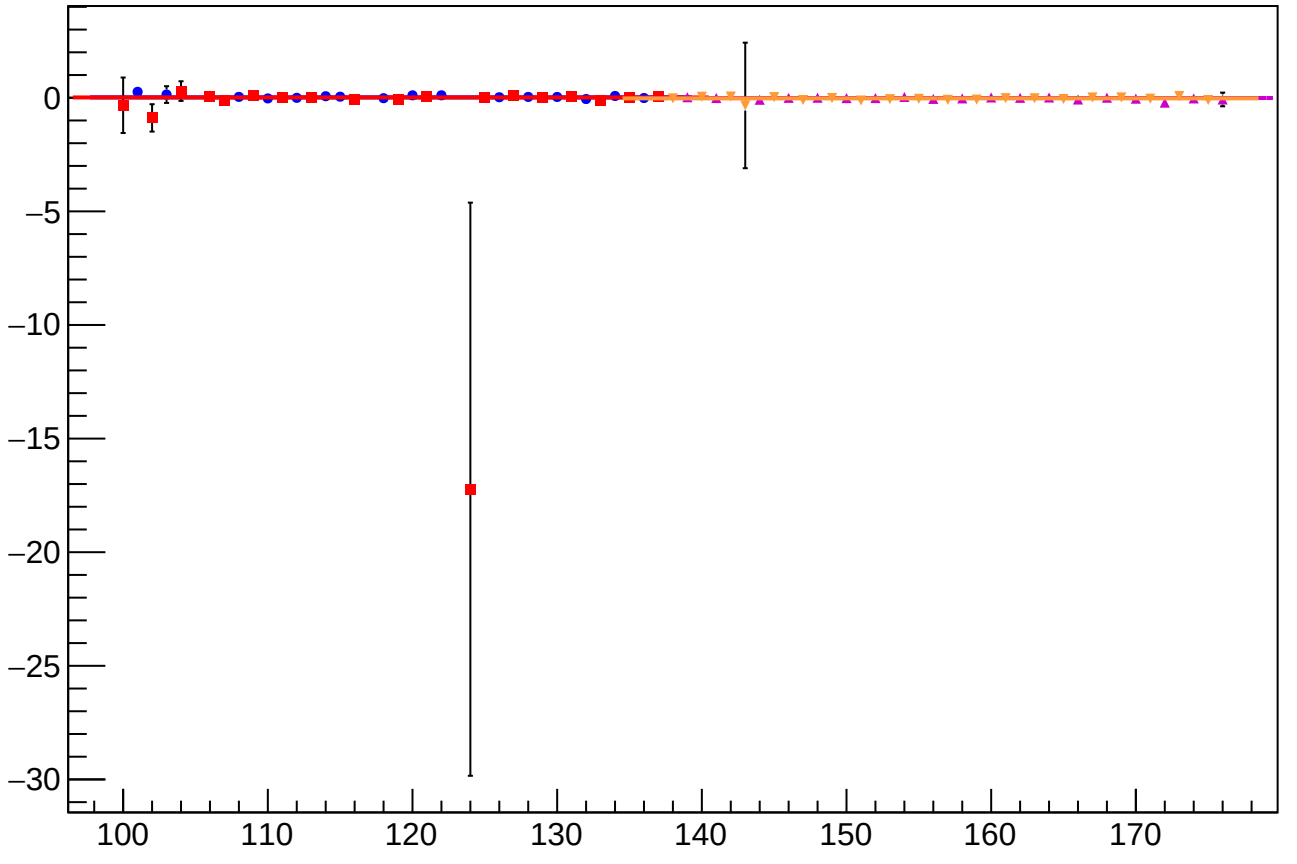
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

\+ sign 32.798+/-0.006 χ^2/NDF: 7683643.2/35

All: 32.788+/-0.004 χ^2/NDF: 15272806.9/73

\- sign 32.778+/-0.006 χ^2/NDF: 7589157.9/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

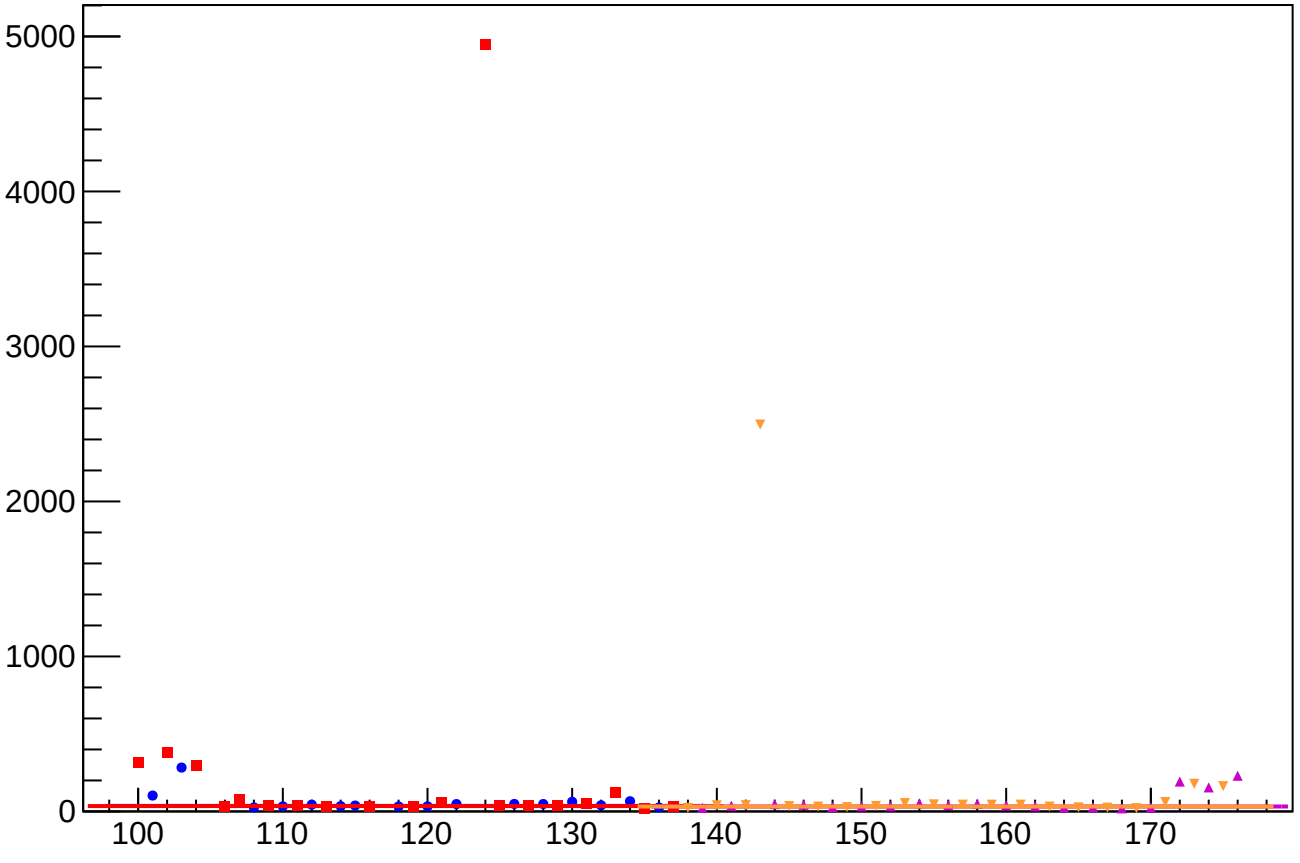
Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

\+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.7/73

\- sign -0.005+/-0.008 χ^2/NDF: 28.6/37

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: 31.676+/-0.007 χ^2/NDF:5318511.7/19

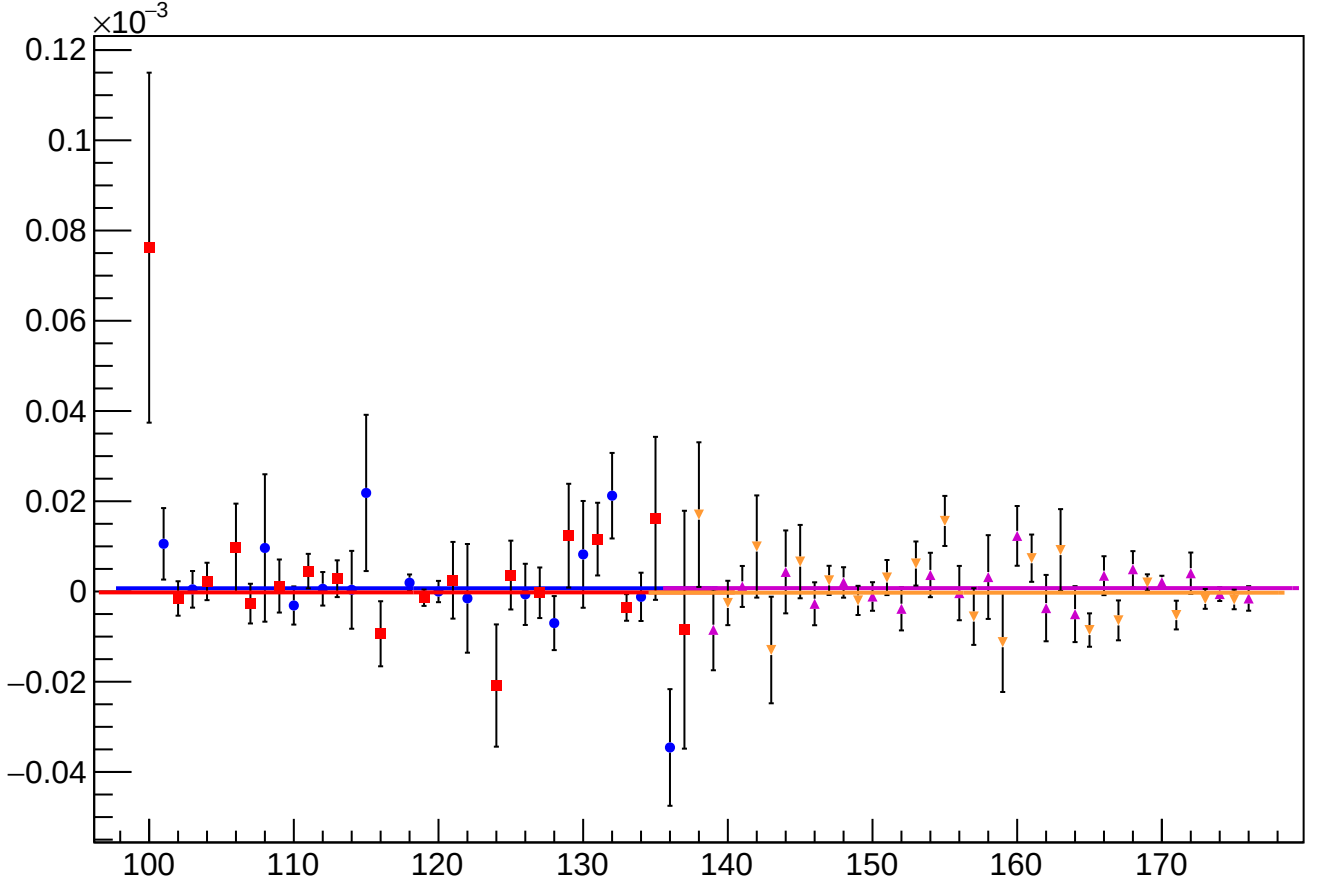
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

\+ sign 32.798+/-0.006 χ^2/NDF: 7683643.2/35

All: 32.788+/-0.004 χ^2/NDF: 15272806.9/73

\- sign 32.778+/-0.006 χ^2/NDF: 7589157.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/19

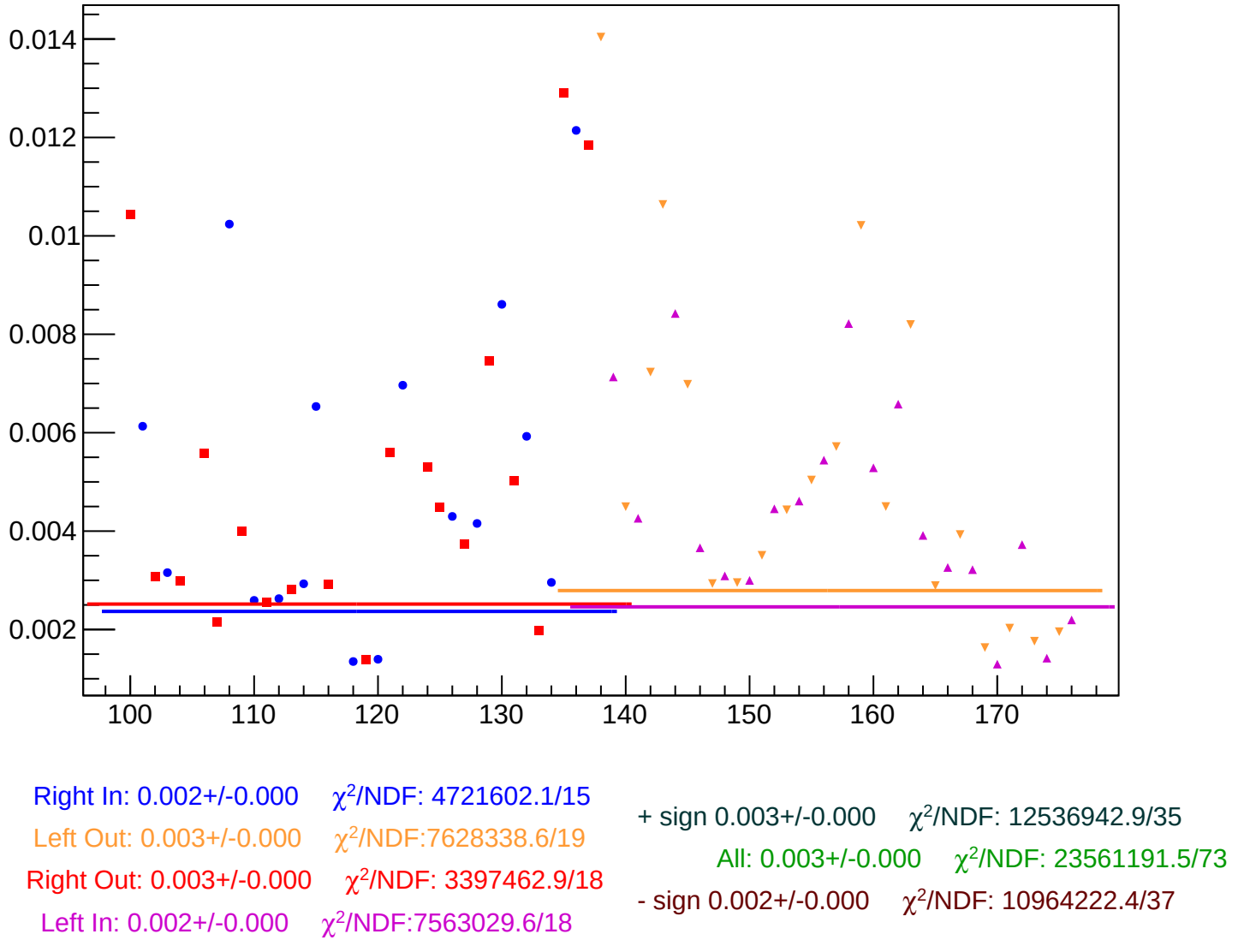
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

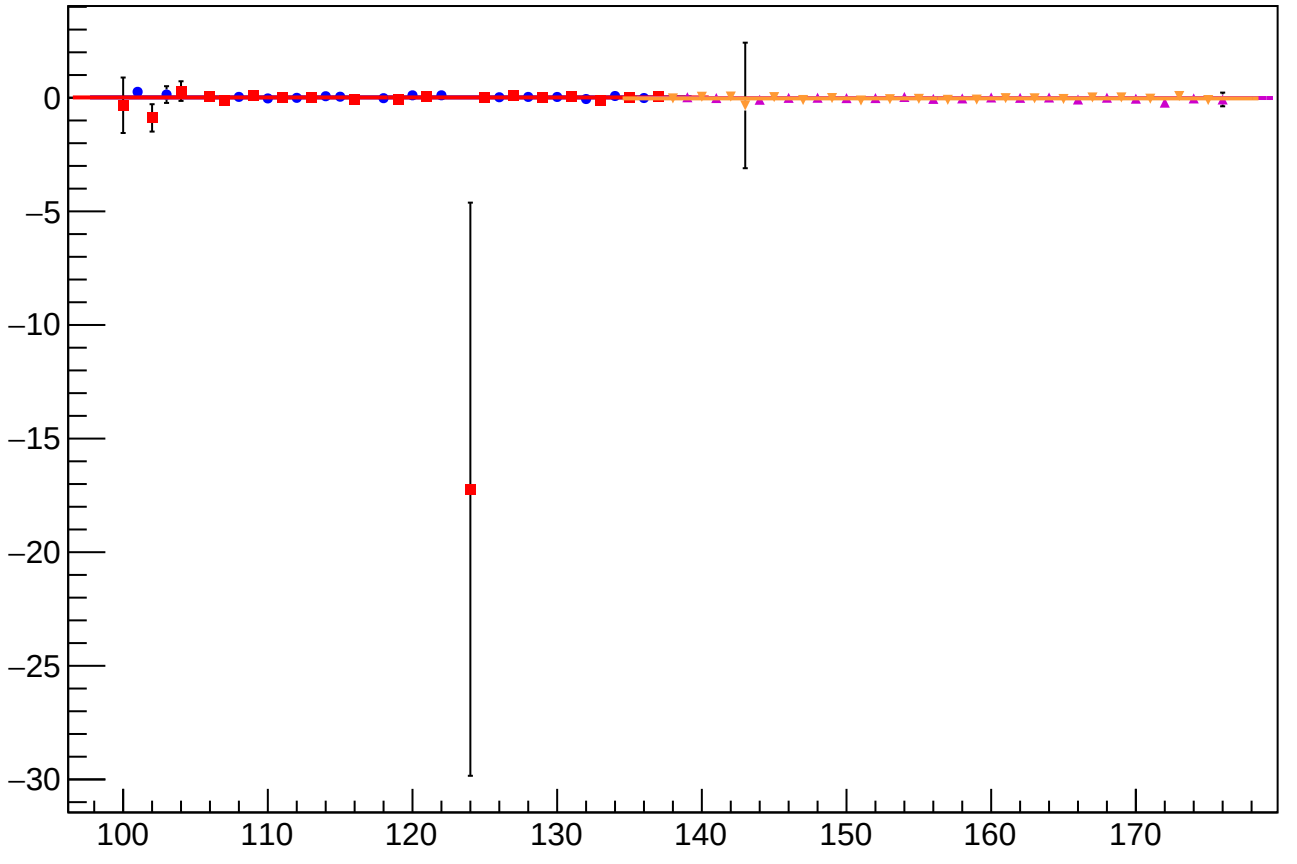
Left In: 0.000+/-0.000 χ^2/NDF:12.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/35

All: 0.000+/-0.000 χ^2/NDF: 82.9/73

- sign 0.000+/-0.000 χ^2/NDF: 30.7/37


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.003+/-0.000 χ²/NDF:7628338.6/19
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.002+/-0.000 χ²/NDF:7563029.6/18
+ sign 0.003+/-0.000 χ²/NDF: 12536942.9/35
All: 0.003+/-0.000 χ²/NDF: 23561191.5/73
- sign 0.002+/-0.000 χ²/NDF: 10964222.4/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

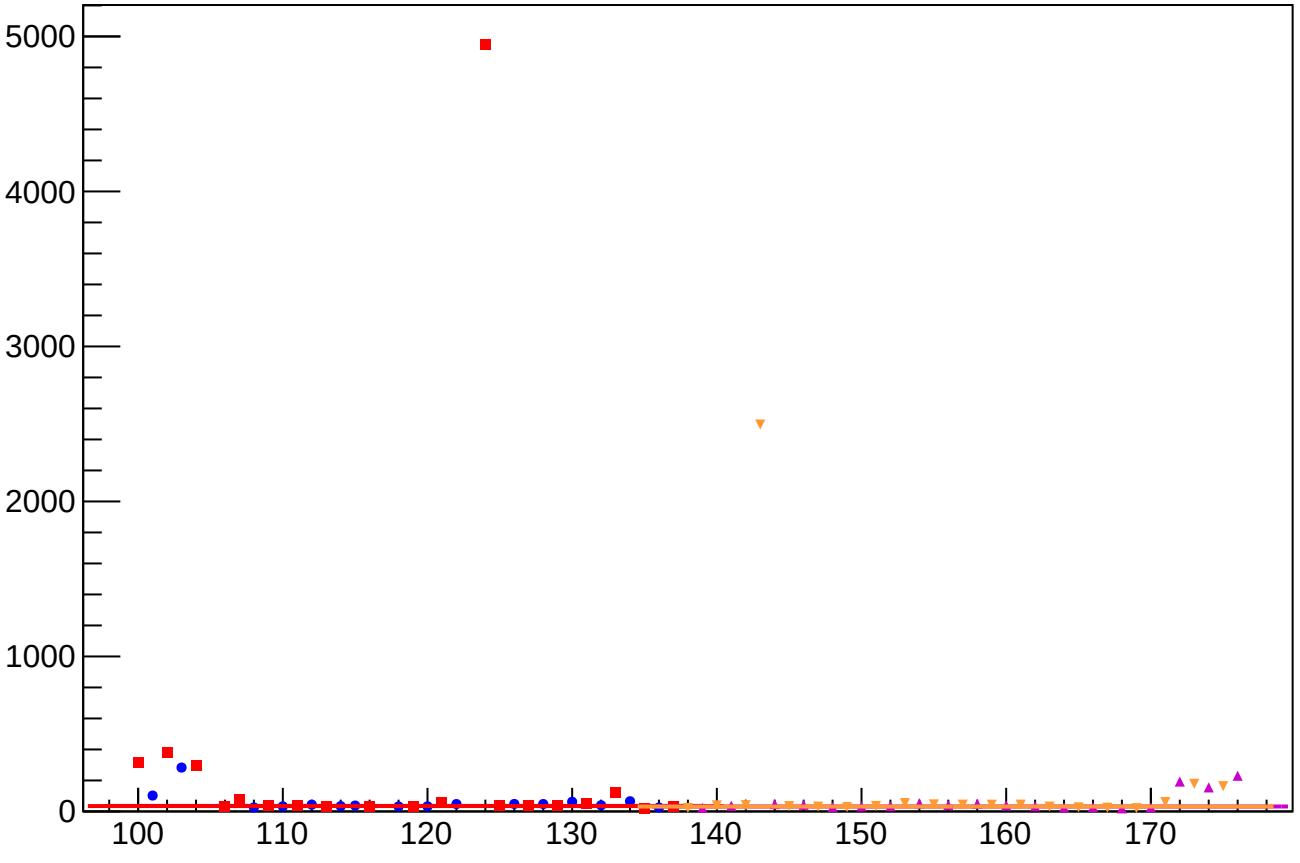
Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.7/73

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318765.4/19

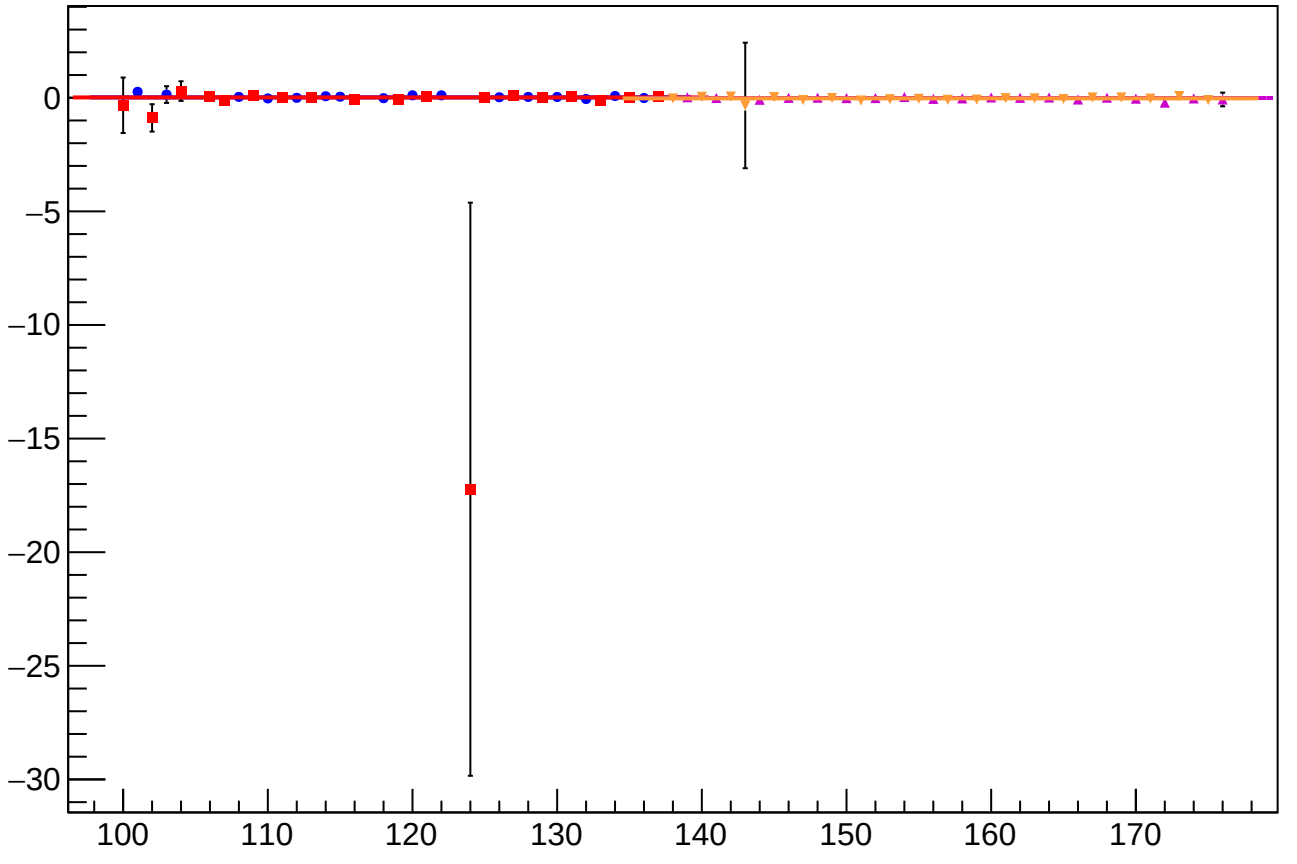
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

\+ sign 32.798+/-0.006 χ^2/NDF: 7683701.7/35

All: 32.788+/-0.004 χ^2/NDF: 15273356.0/73

\- sign 32.777+/-0.006 χ^2/NDF: 7589648.0/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

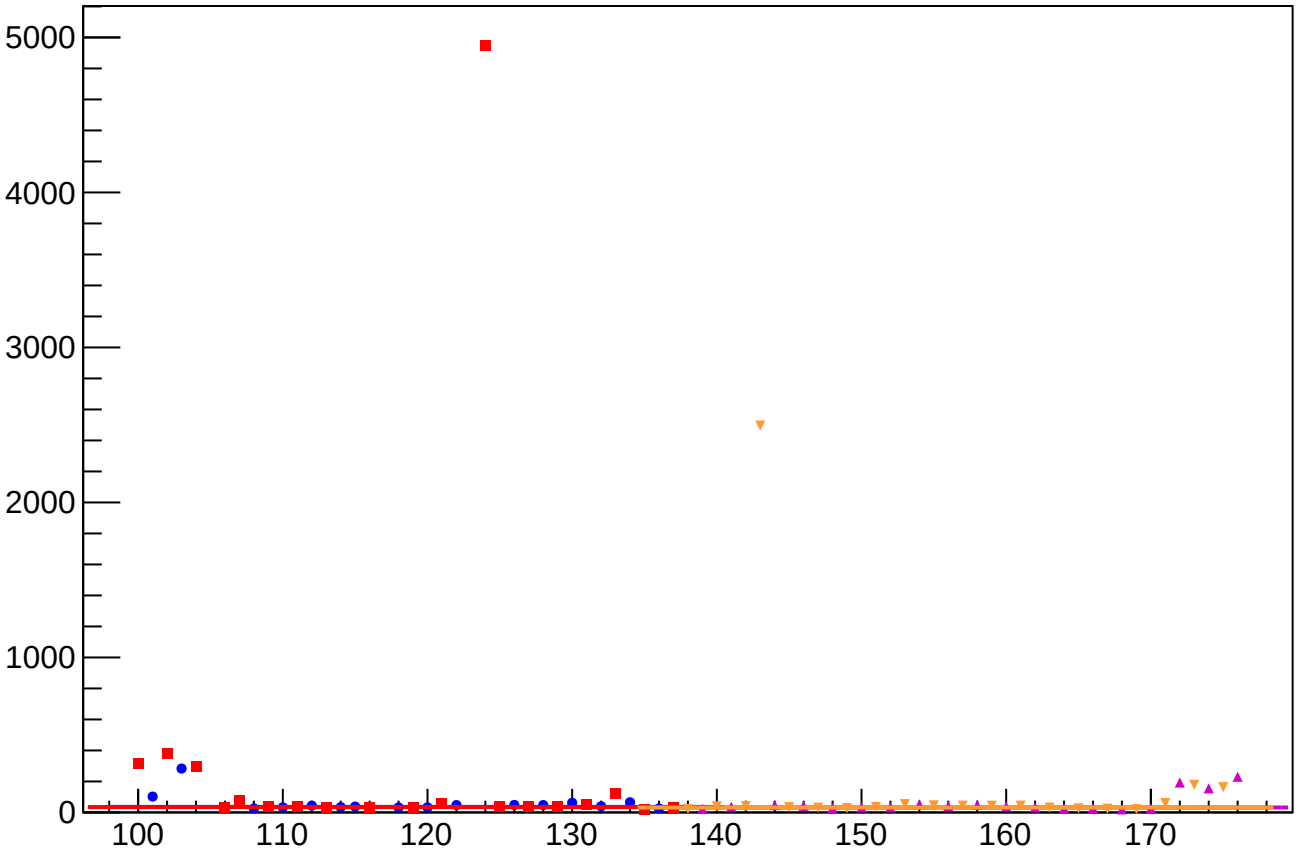
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.7/73

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318765.4/19

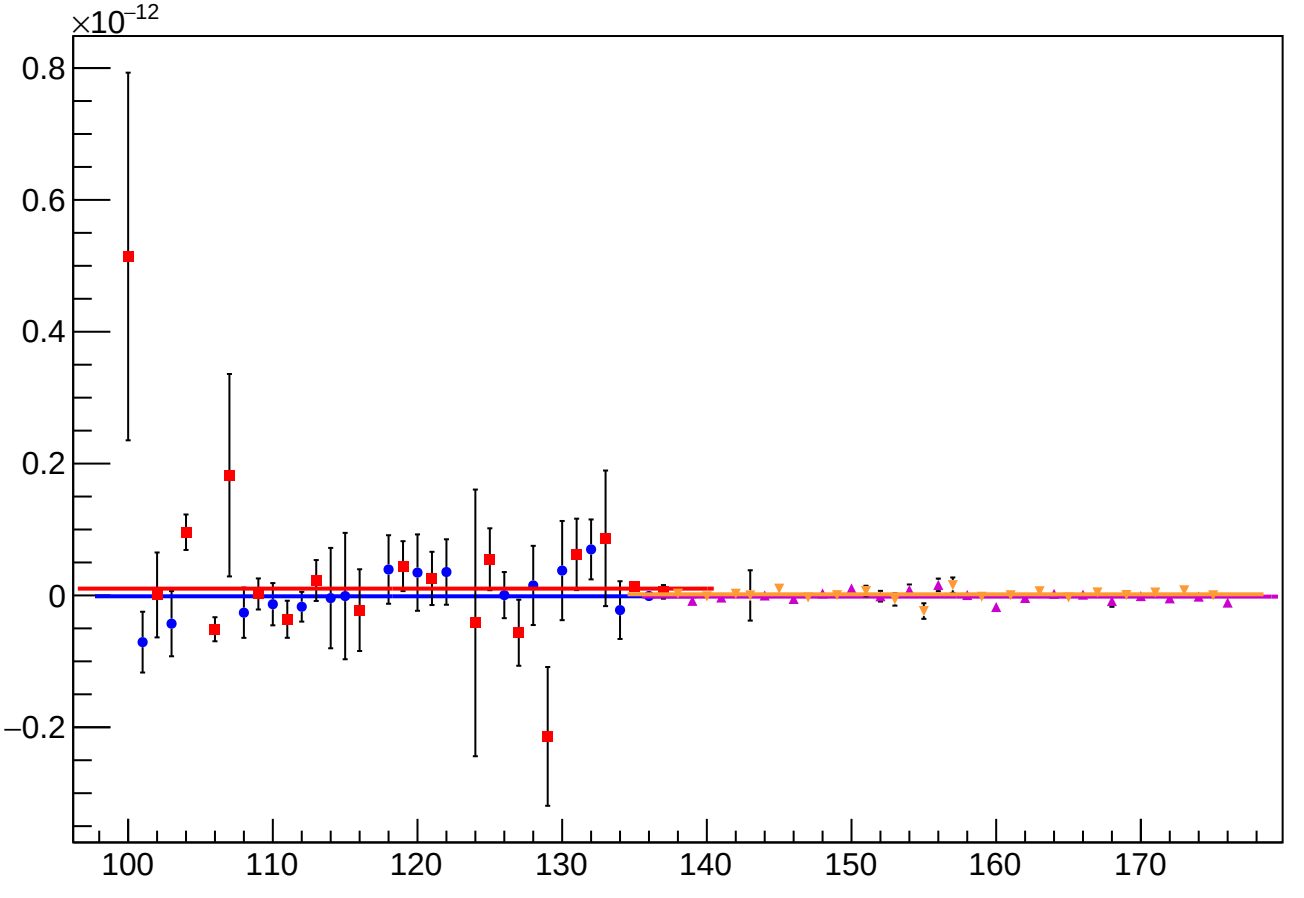
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

\+ sign 32.798+/-0.006 χ^2/NDF: 7683701.7/35

All: 32.788+/-0.004 χ^2/NDF: 15273356.0/73

\- sign 32.777+/-0.006 χ^2/NDF: 7589648.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/19

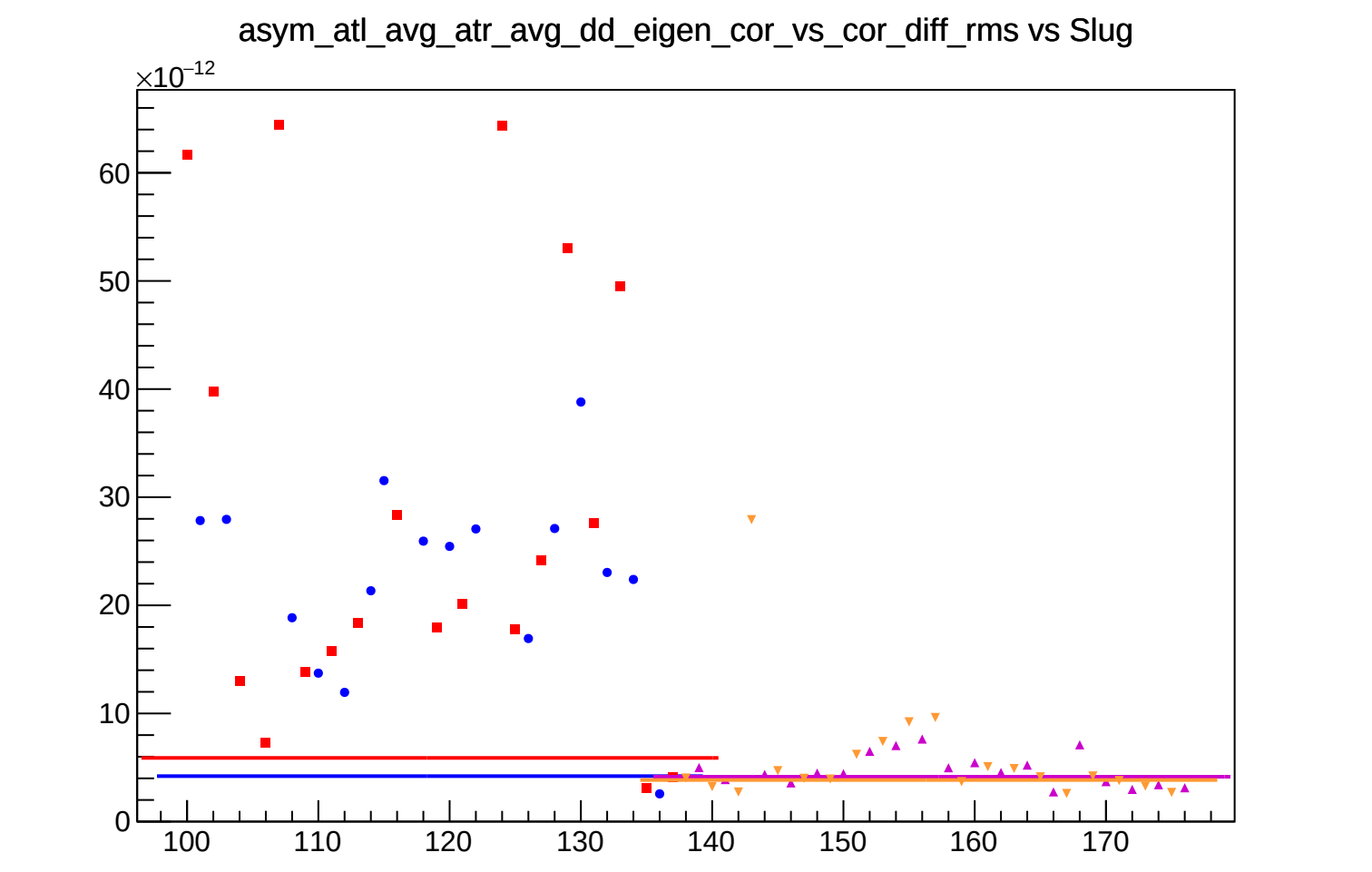
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:22.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 24.2/35

All: 0.000+/-0.000 χ^2/NDF: 96.2/73

- sign -0.000+/-0.000 χ^2/NDF: 70.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2929001.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

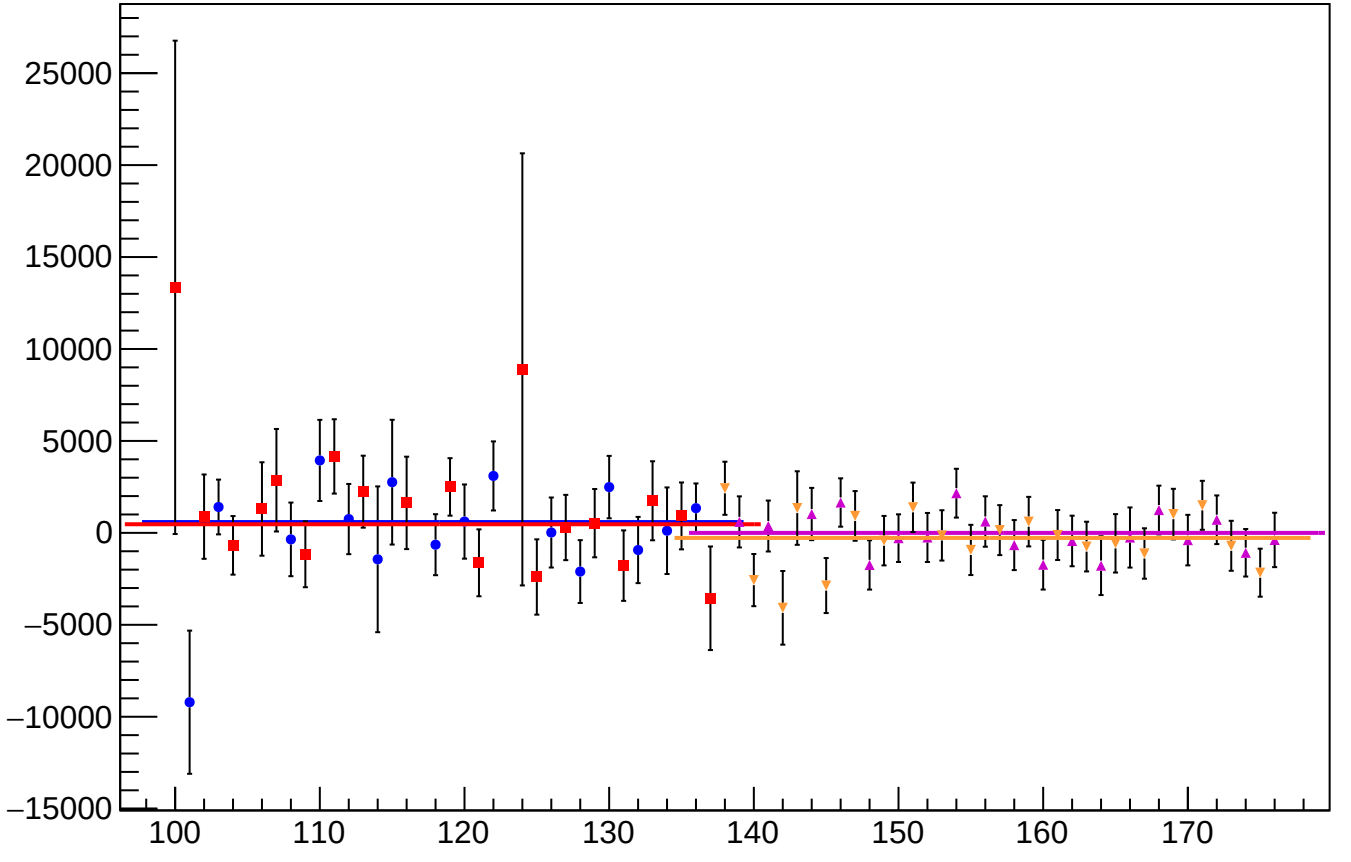
Left In: 0.000+/-0.000 χ^2/NDF:1659285.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 8028485.9/35

All: 0.000+/-0.000 χ^2/NDF: 14982393.7/73

- sign 0.000+/-0.000 χ^2/NDF: 6837020.5/37

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.039+/-316.543 χ^2/NDF:21.9/19

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

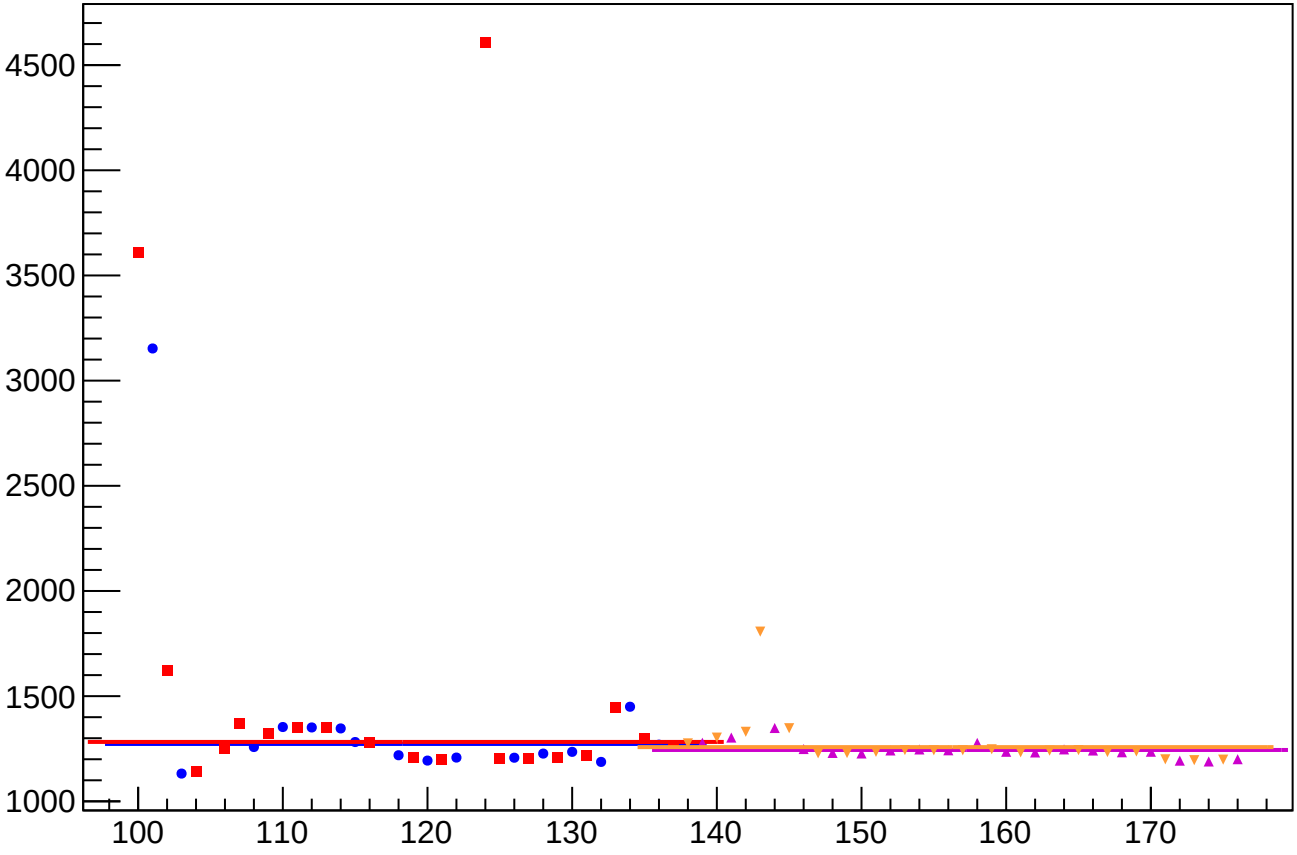
Left In: -1.147+/-315.722 χ^2/NDF:12.2/18

+ sign -15.626+/-264.659 χ^2/NDF: 41.2/35

All: 62.734+/-186.860 χ^2/NDF: 71.1/73

- sign 140.623+/-263.862 χ^2/NDF: 29.8/37

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1257.670+/-0.224 χ^2/NDF:180478.6/19

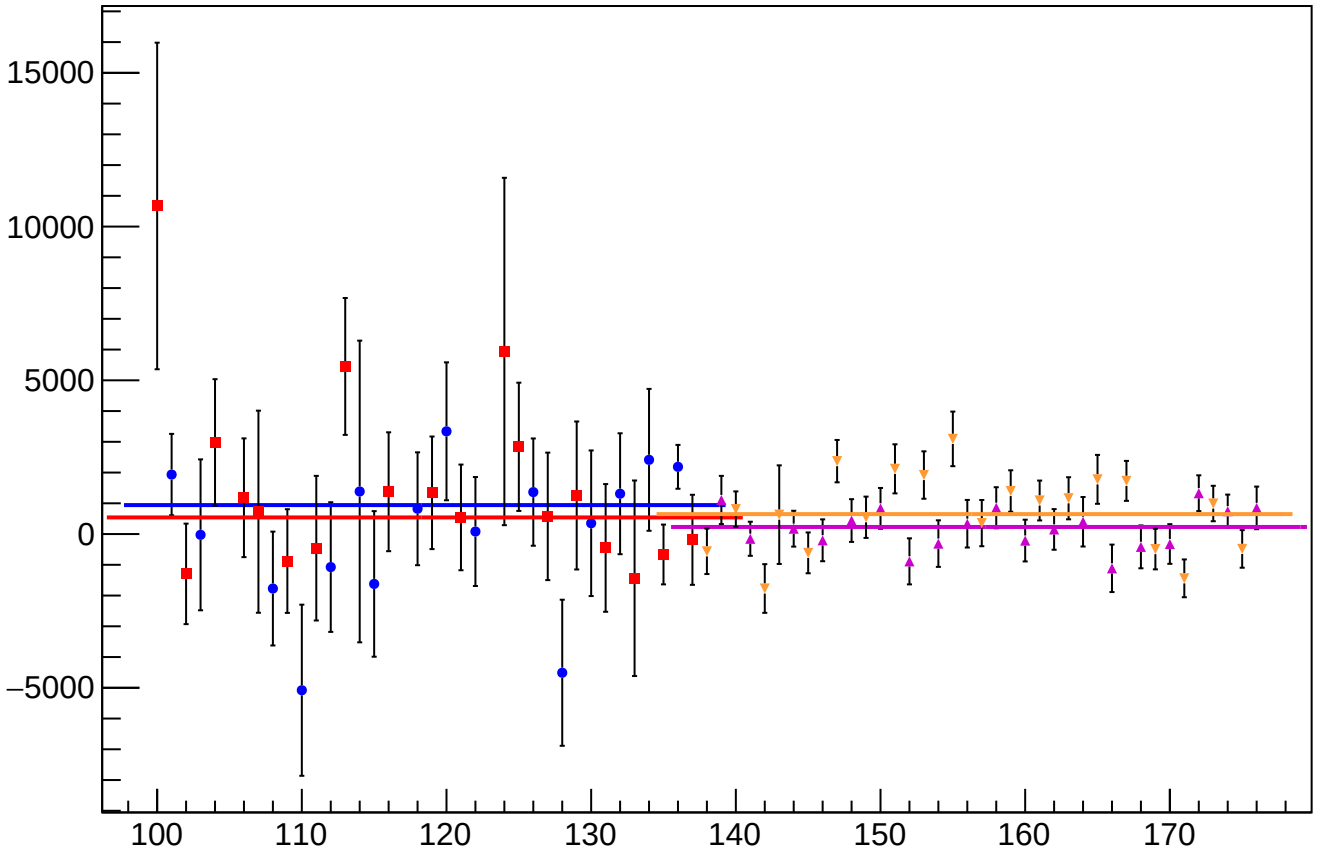
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

+ sign 1262.225+/-0.187 χ^2/NDF: 701152.6/35

All: 1258.934+/-0.132 χ^2/NDF: 1058892.5/73

- sign 1255.663+/-0.187 χ^2/NDF: 357123.4/37



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 648.548+/-156.178 χ^2/NDF:61.2/19

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

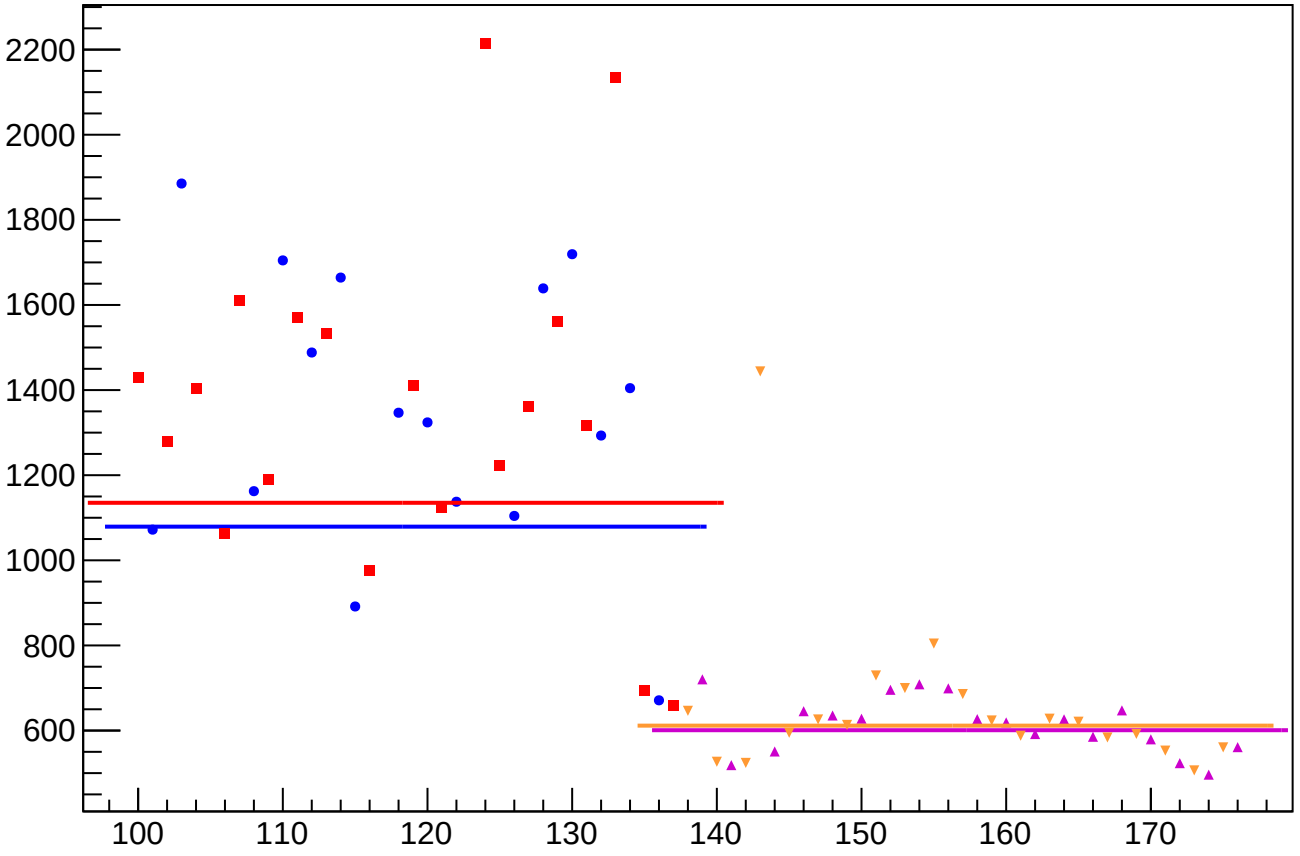
Left In: 230.589+/-153.626 χ^2/NDF:17.1/18

+ sign 683.311+/-146.628 χ^2/NDF: 81.5/35

All: 471.515+/-103.114 χ^2/NDF: 120.4/73

- sign 264.290+/-145.036 χ^2/NDF: 34.7/37

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: 611.556+/-0.110 χ^2/NDF:905743.8/19

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

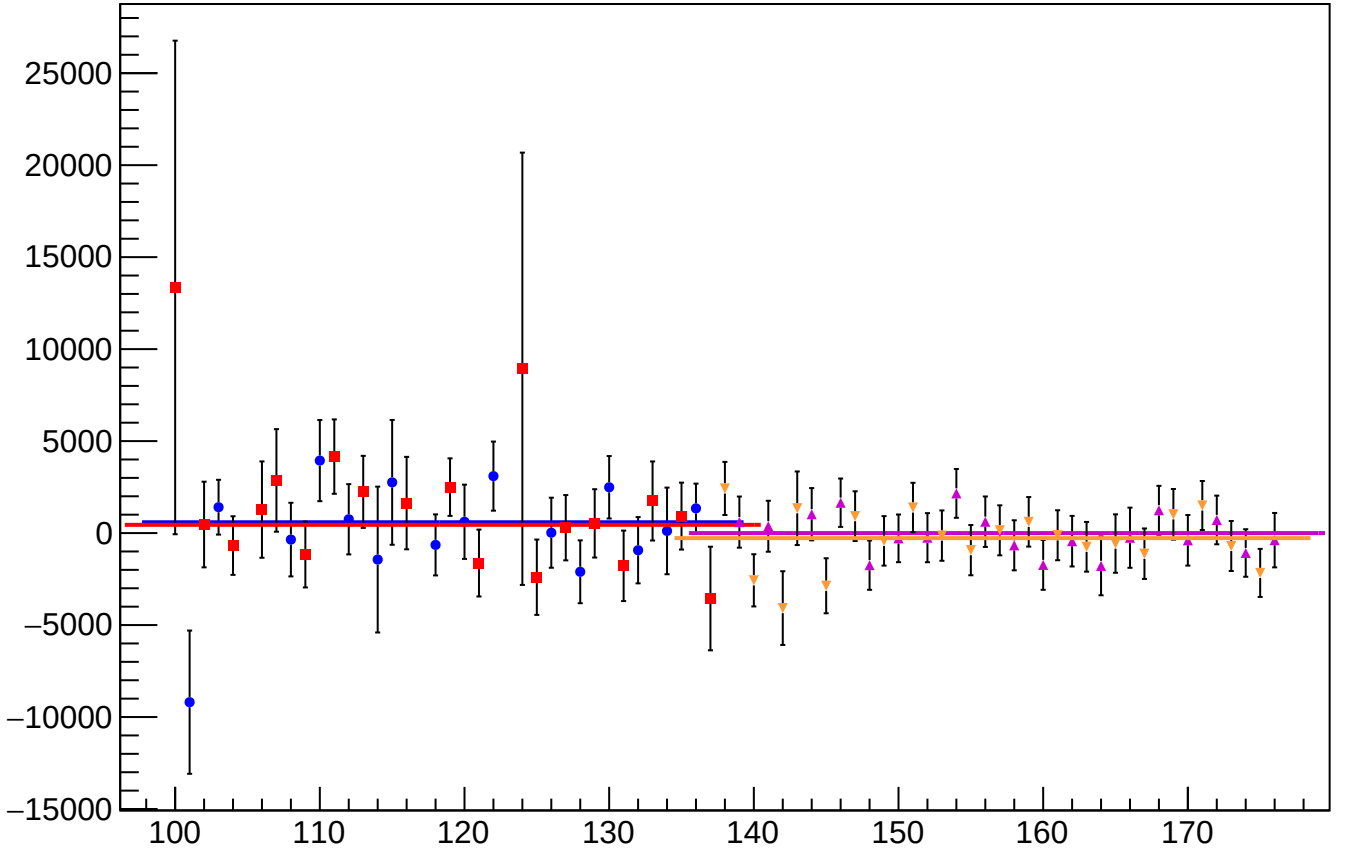
Left In: 600.799+/-0.109 χ^2/NDF:362403.7/18

\+ sign 666.992+/-0.104 χ^2/NDF: 4513255.3/35

All: 662.894+/-0.073 χ^2/NDF: 8802134.5/73

\- sign 658.885+/-0.103 χ^2/NDF: 4285789.4/37

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

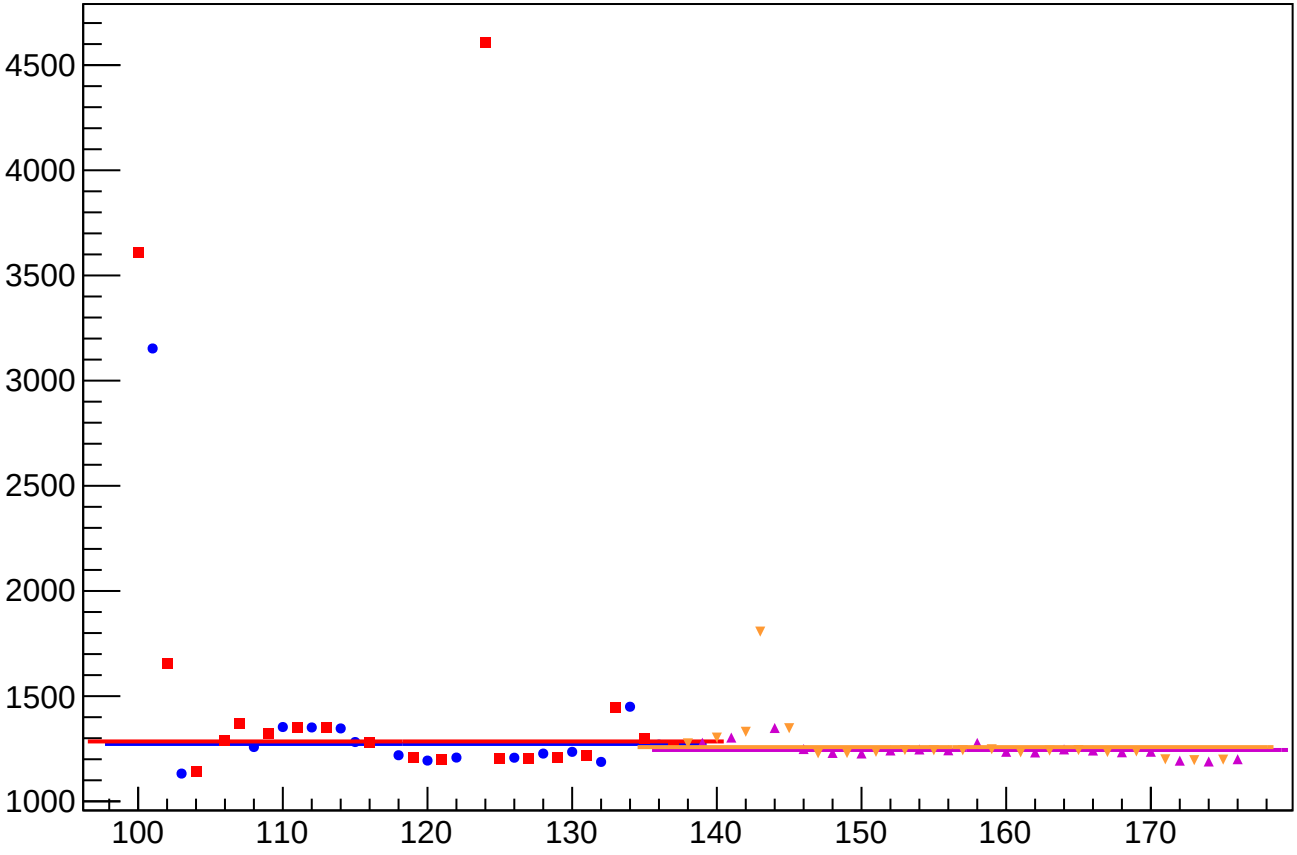
Left In: -1.108+/-315.722 χ^2/NDF:12.2/18

+ sign -15.571+/-264.659 χ^2/NDF: 41.2/35

All: 59.460+/-186.908 χ^2/NDF: 71.0/73

- sign 134.117+/-263.997 χ^2/NDF: 29.7/37

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

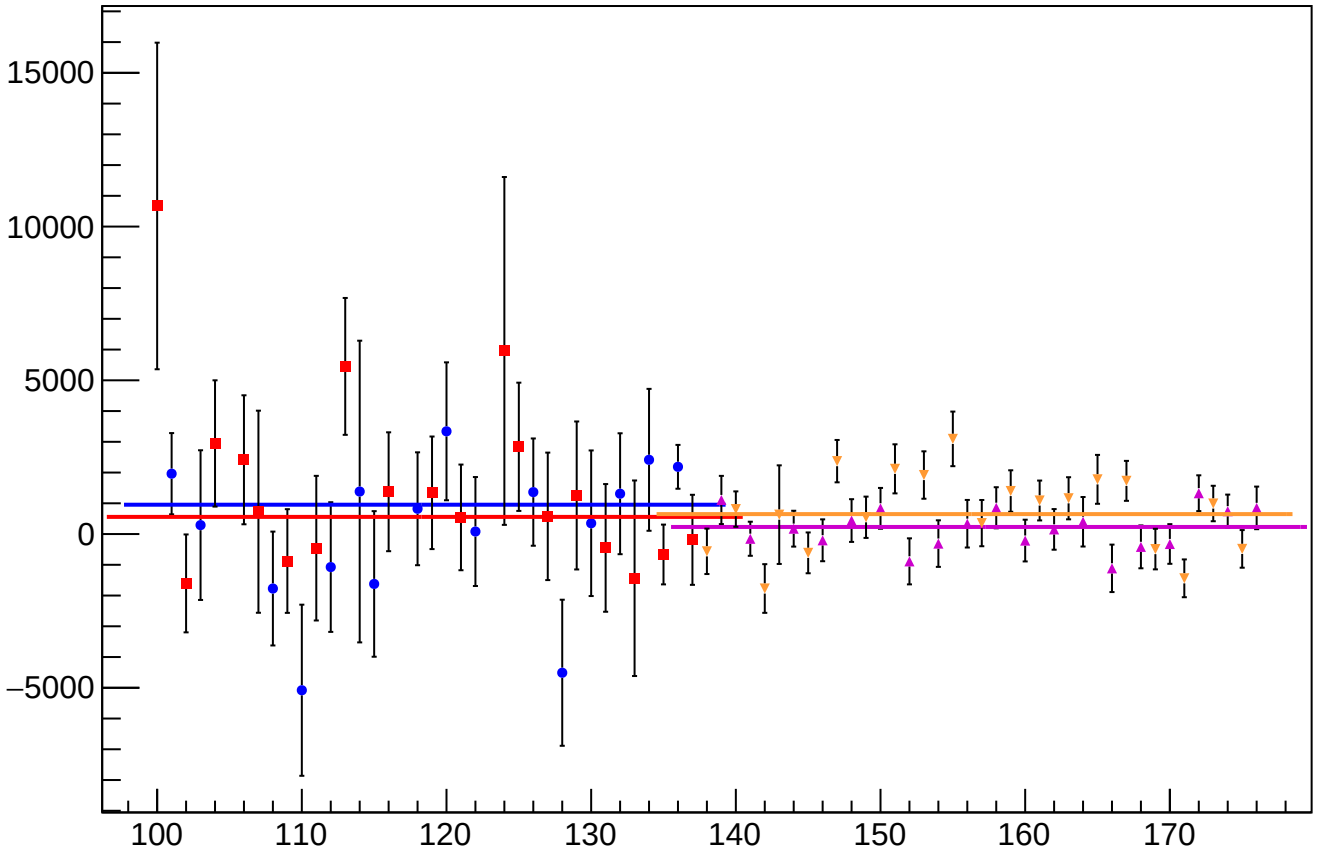
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

+ sign 1262.225+/-0.187 χ^2/NDF: 701154.0/35

All: 1259.267+/-0.132 χ^2/NDF: 1066499.1/73

- sign 1256.325+/-0.187 χ^2/NDF: 364846.8/37



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

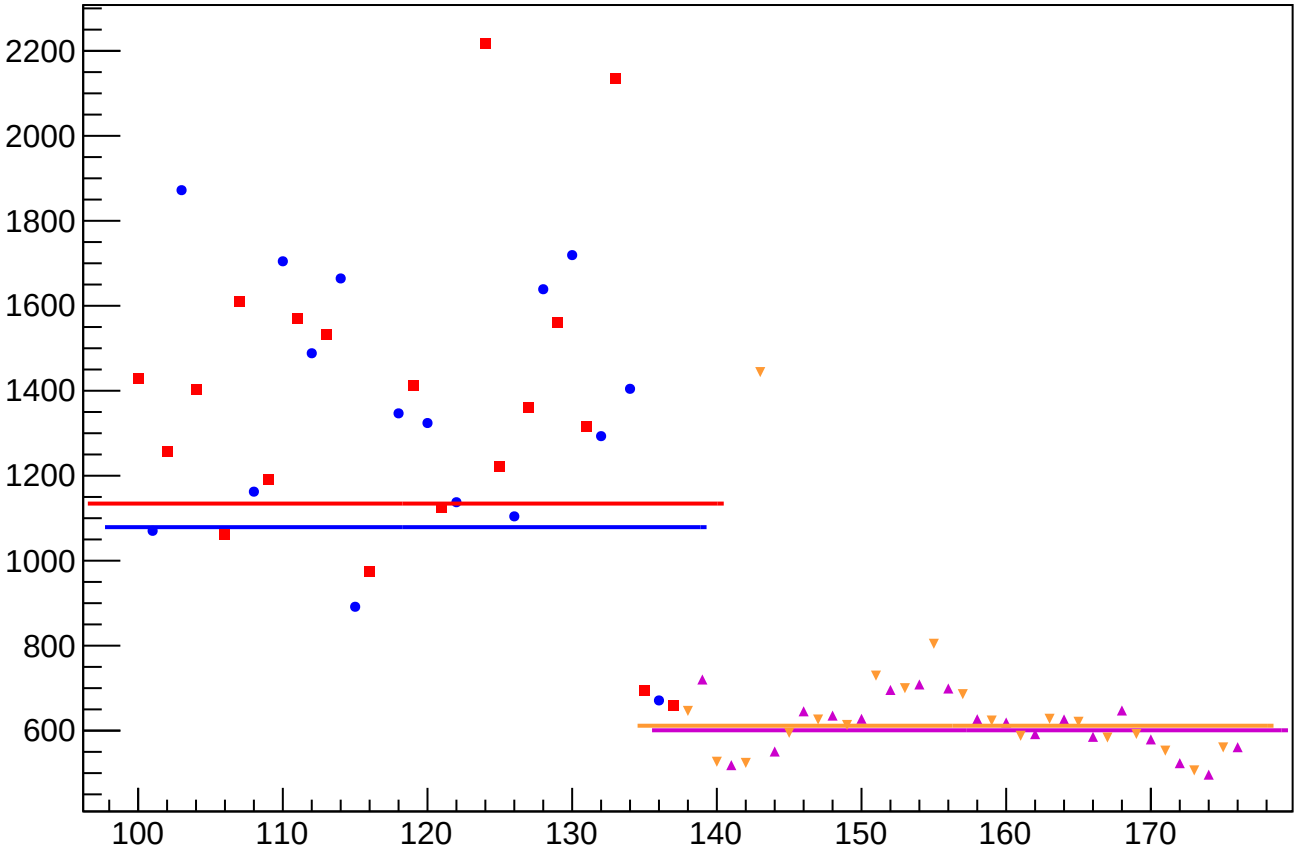
Left In: 230.565+/-153.625 χ^2/NDF:17.1/18

+ sign 684.824+/-146.621 χ^2/NDF: 81.5/35

All: 473.194+/-103.123 χ^2/NDF: 121.6/73

- sign 266.028+/-145.066 χ^2/NDF: 36.0/37

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: 611.559+/-0.110 χ^2/NDF:905692.9/19

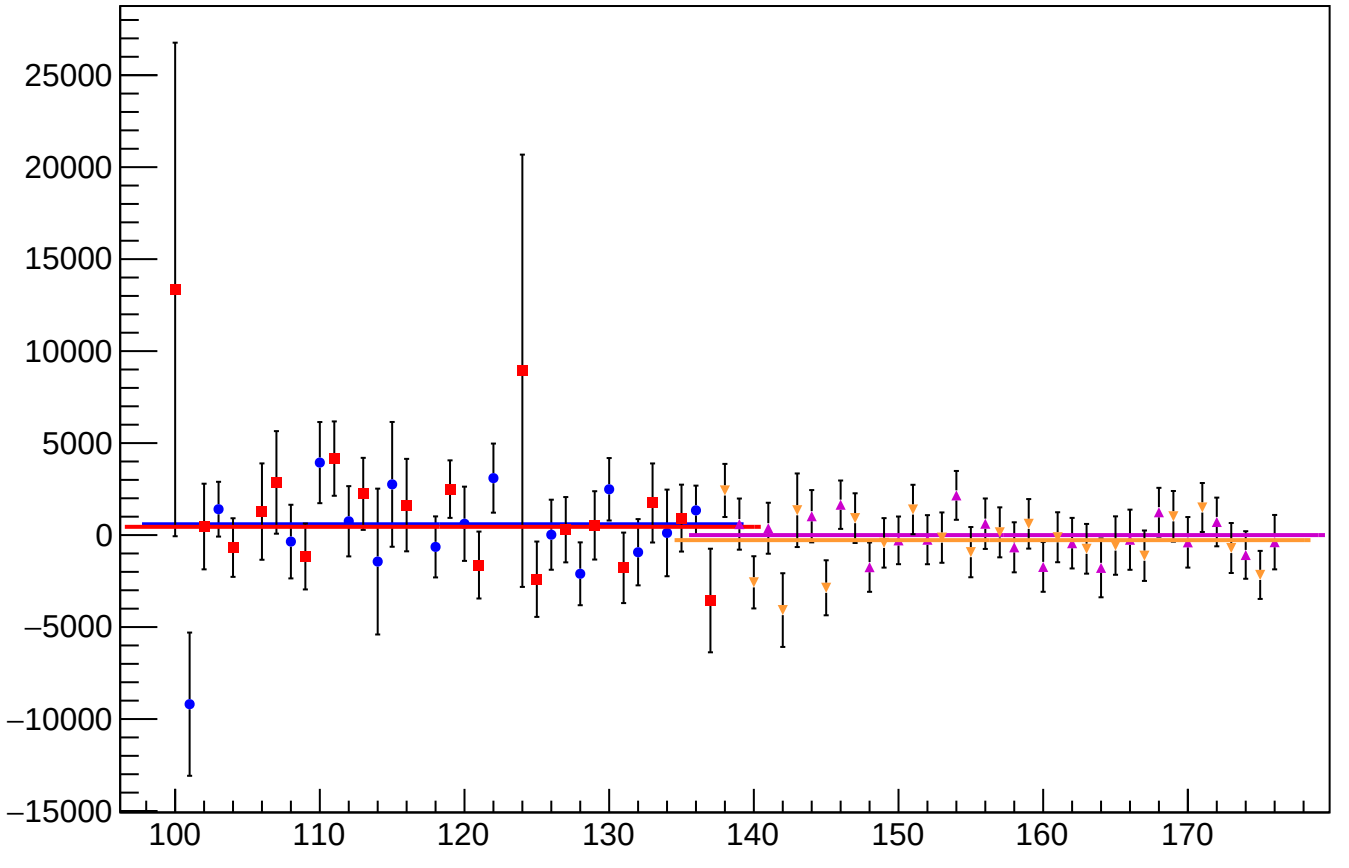
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

+ sign 667.013+/-0.104 χ^2/NDF: 4509511.3/35

All: 662.762+/-0.073 χ^2/NDF: 8778251.2/73

- sign 658.602+/-0.103 χ^2/NDF: 4265414.2/37



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

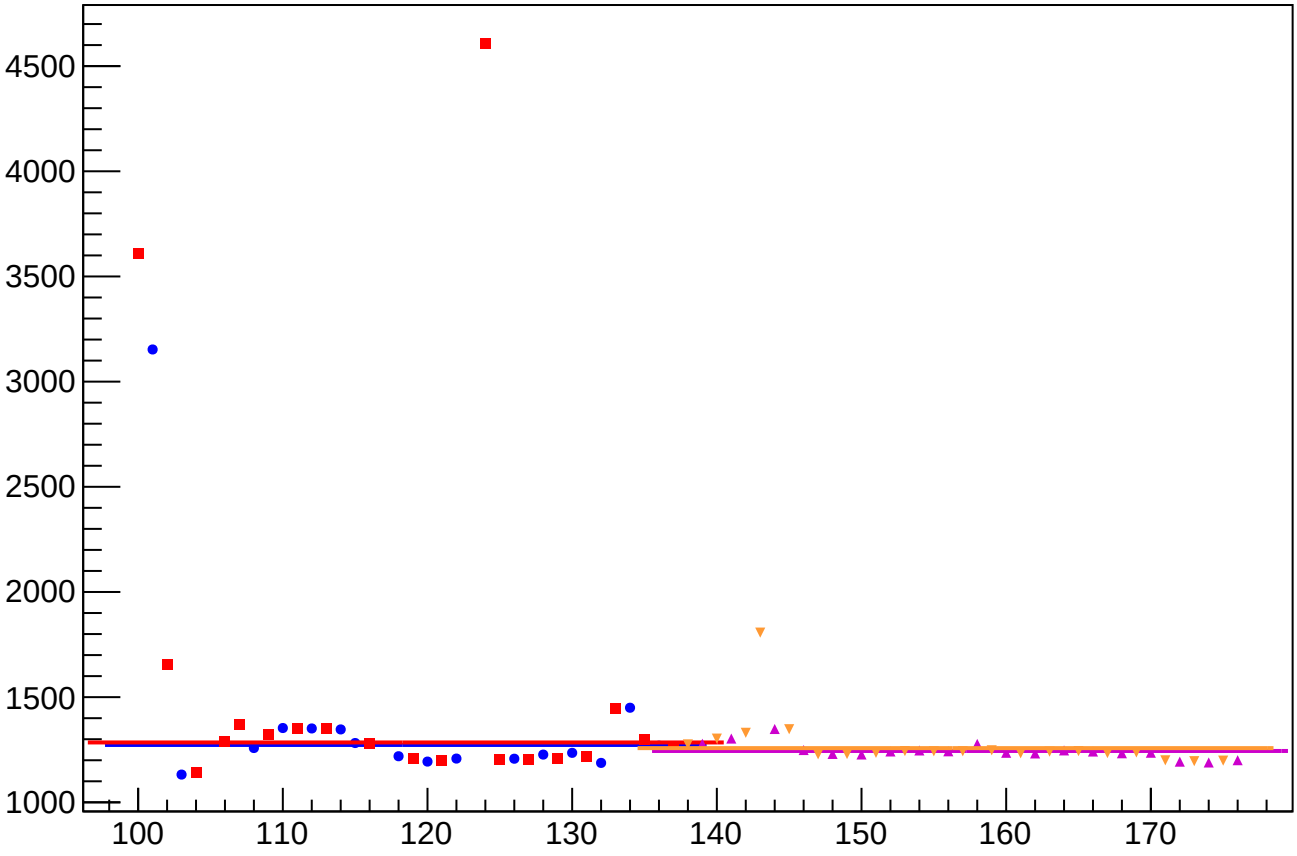
Left In: -1.108+/-315.722 χ^2/NDF:12.2/18

\+ sign -15.571+/-264.659 χ^2/NDF: 41.2/35

All: 59.460+/-186.908 χ^2/NDF: 71.0/73

\- sign 134.117+/-263.997 χ^2/NDF: 29.7/37

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: 1257.671+/-0.224 χ^2/NDF:180478.6/19

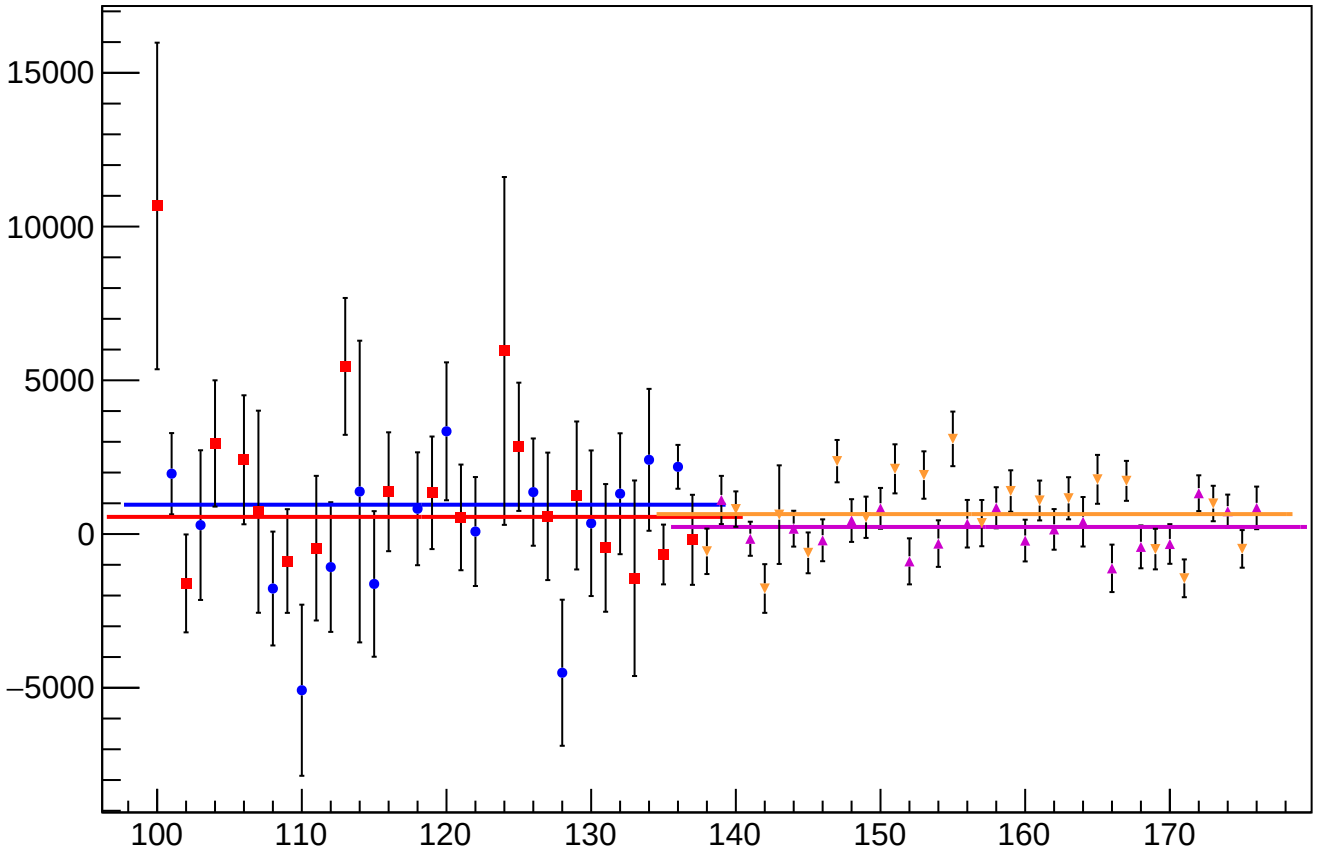
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

+ sign 1262.225+/-0.187 χ^2/NDF: 701154.0/35

All: 1259.267+/-0.132 χ^2/NDF: 1066499.1/73

- sign 1256.325+/-0.187 χ^2/NDF: 364846.8/37



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

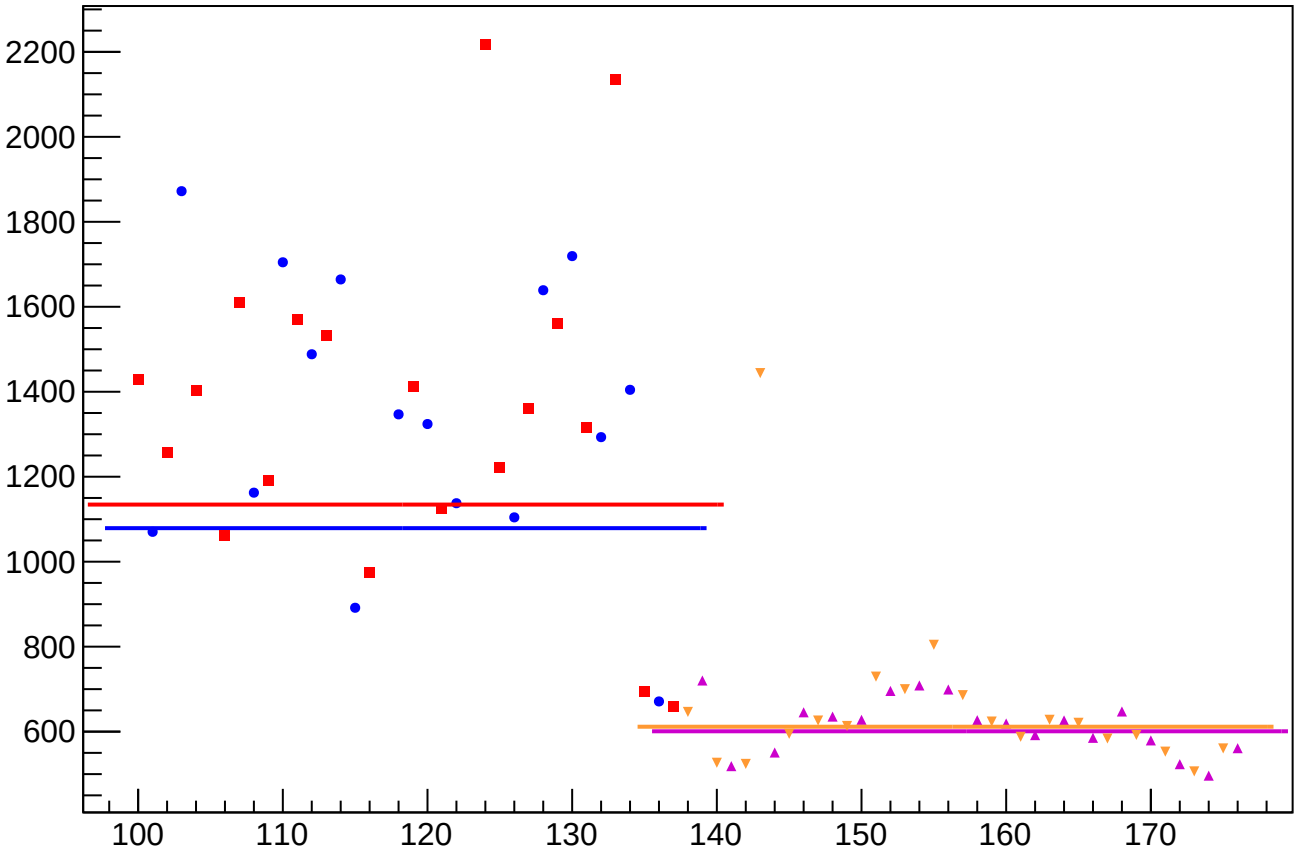
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 230.565+/-153.625 χ^2/NDF:17.1/18

+ sign 684.824+/-146.621 χ^2/NDF: 81.5/35

All: 473.194+/-103.123 χ^2/NDF: 121.6/73

- sign 266.028+/-145.066 χ^2/NDF: 36.0/37



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 611.559+/-0.110 χ^2/NDF:905692.9/19

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

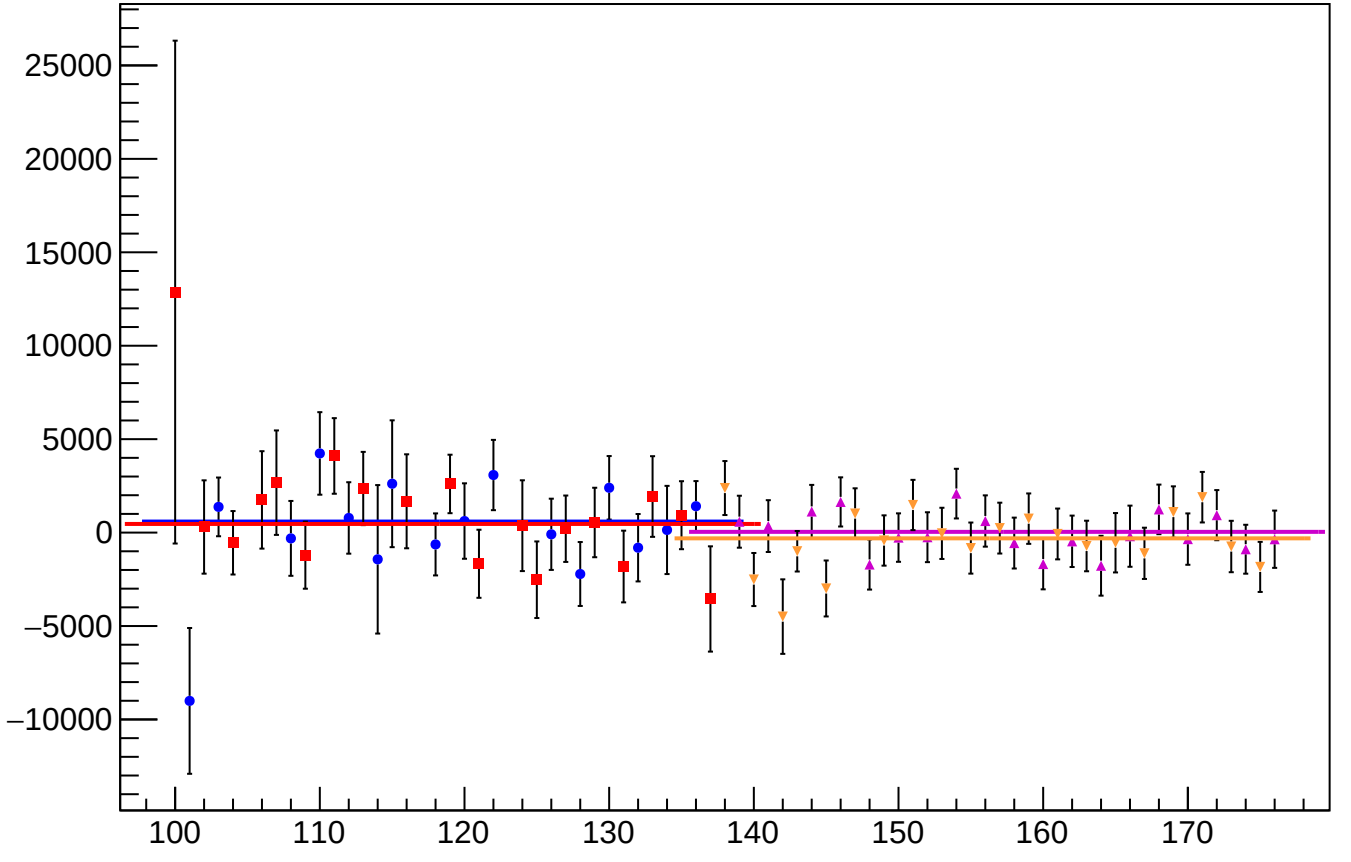
Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

\+ sign 667.013+/-0.104 χ^2/NDF: 4509511.3/35

All: 662.762+/-0.073 χ^2/NDF: 8778251.2/73

\- sign 658.602+/-0.103 χ^2/NDF: 4265414.2/37

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.984+/-308.452 χ^2/NDF:23.2/19

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

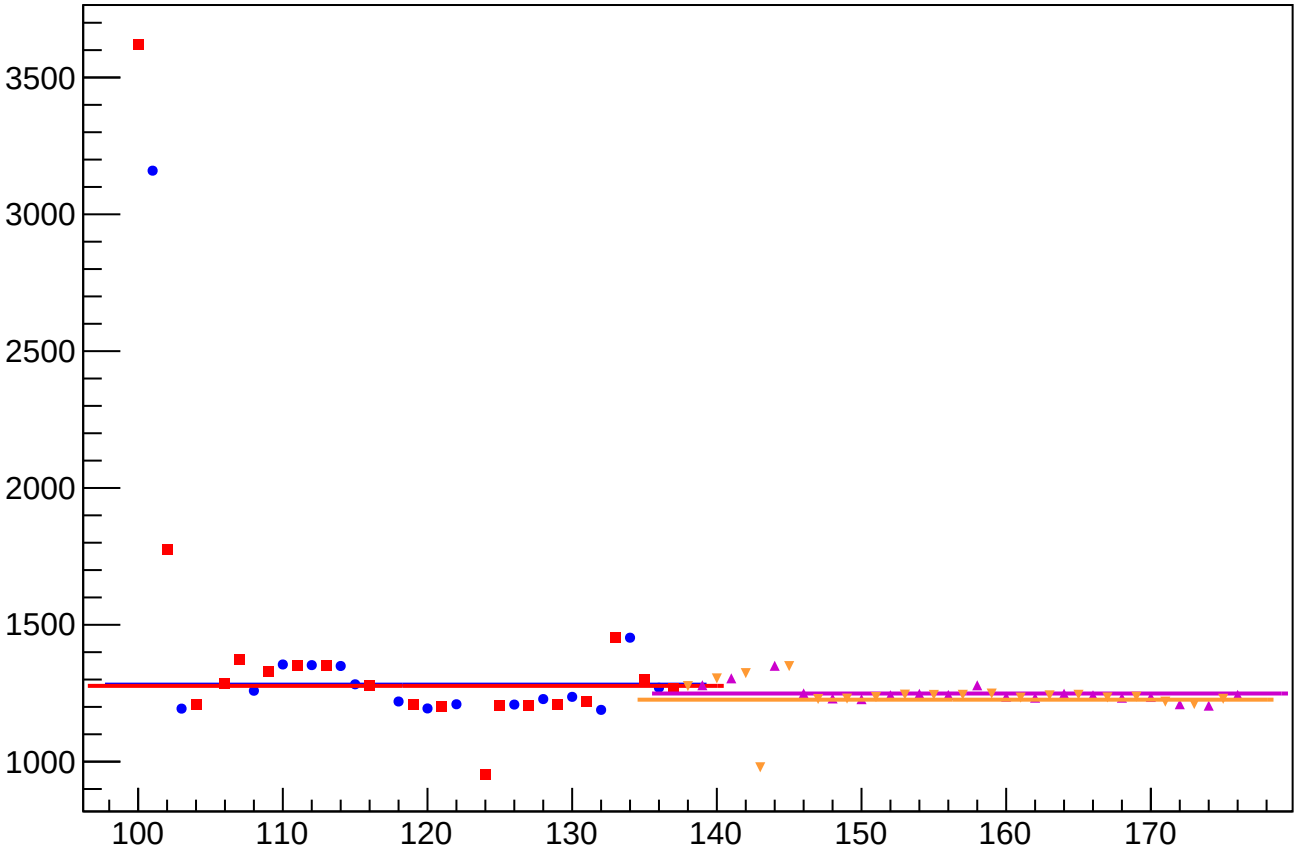
Left In: 39.558+/-316.920 χ^2/NDF:11.8/18

\+ sign -49.647+/-260.348 χ^2/NDF: 42.7/35

All: 58.276+/-185.349 χ^2/NDF: 72.1/73

\- sign 169.192+/-263.934 χ^2/NDF: 29.0/37

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133269.0/19

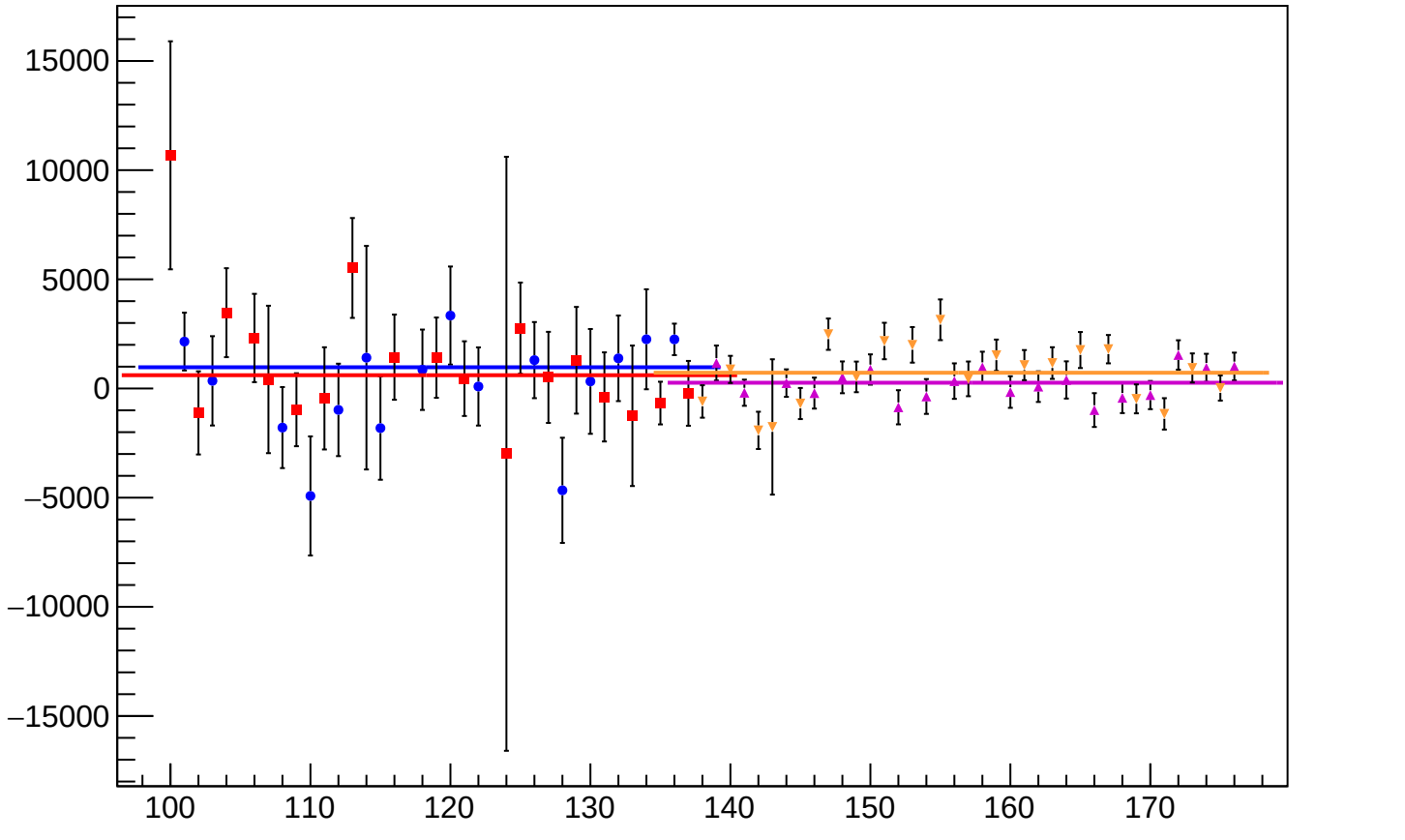
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.7/18

+ sign 1242.205+/-0.184 χ^2/NDF: 658616.6/35

All: 1249.751+/-0.131 χ^2/NDF: 908371.2/73

- sign 1257.507+/-0.187 χ^2/NDF: 246347.2/37



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 721.544+/-164.925 χ^2/NDF:53.8/19

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

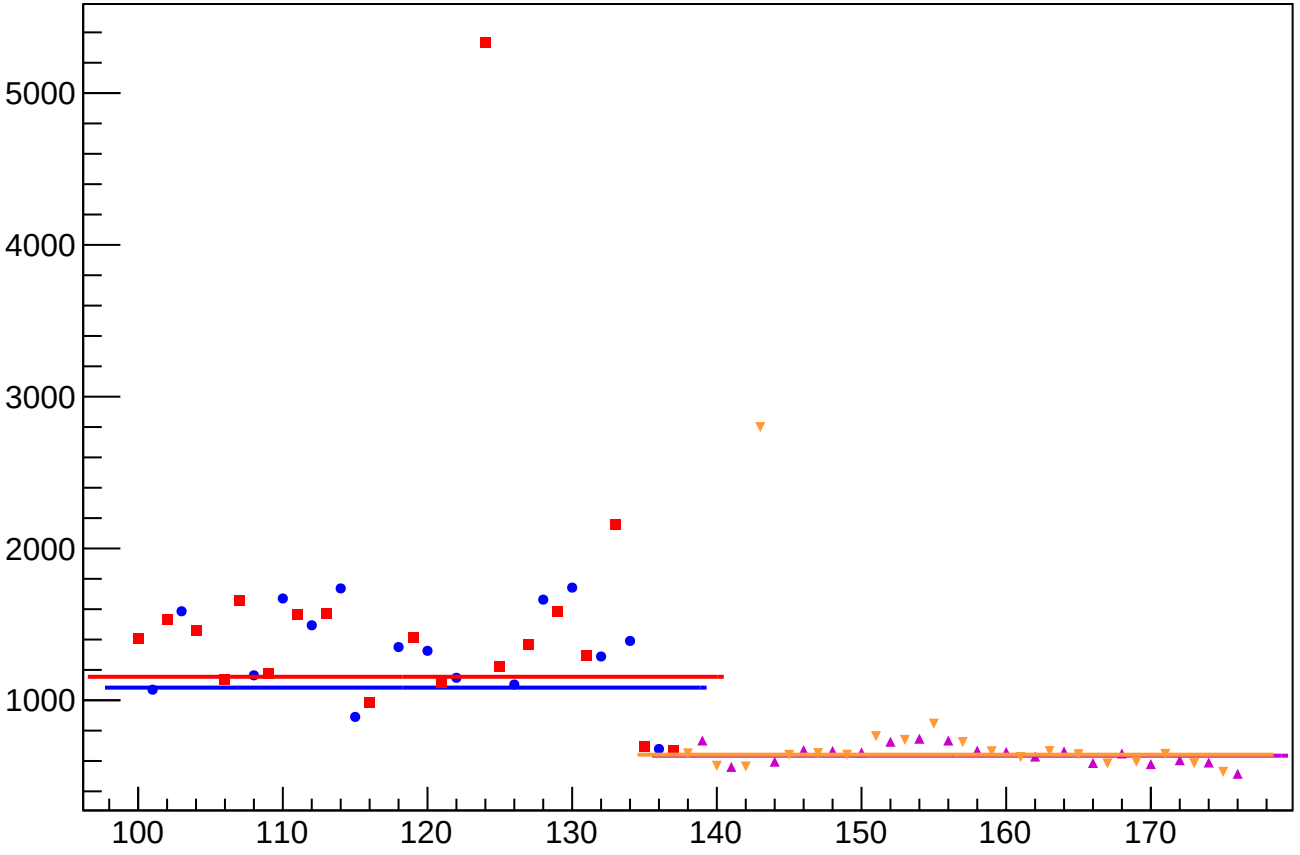
Left In: 263.669+/-162.125 χ^2/NDF:17.7/18

+ sign 754.332+/-153.764 χ^2/NDF: 74.5/35

All: 527.032+/-108.256 χ^2/NDF: 114.2/73

- sign 303.633+/-152.439 χ^2/NDF: 35.4/37

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: 641.607+/-0.117 χ^2/NDF:1326091.2/19

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

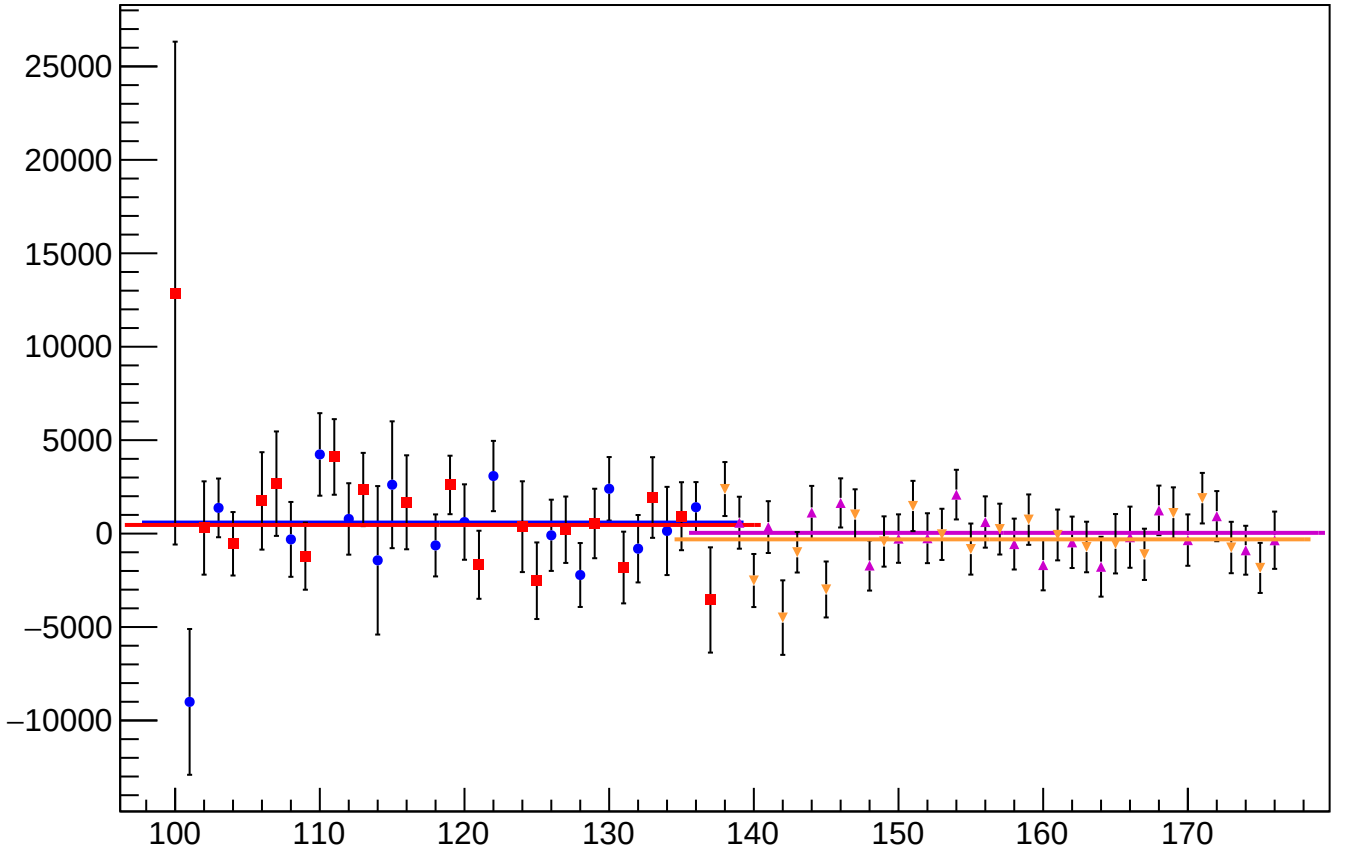
Left In: 634.968+/-0.115 χ^2/NDF:294225.7/18

+ sign 699.369+/-0.109 χ^2/NDF: 4562330.6/35

All: 697.275+/-0.077 χ^2/NDF: 8728364.1/73

- sign 695.217+/-0.108 χ^2/NDF: 4165298.3/37

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: -307.986+/-308.452 χ^2/NDF:23.2/19

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

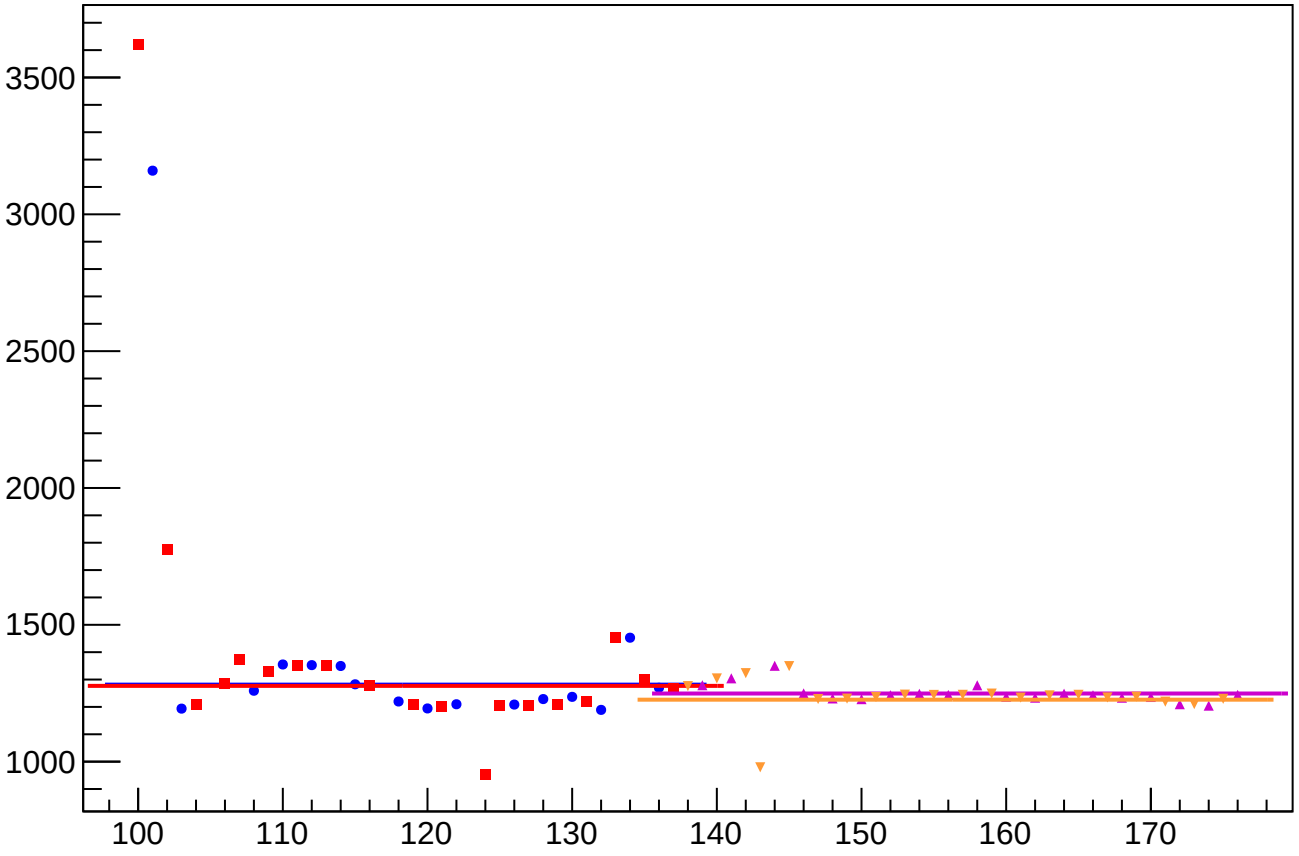
Left In: 39.558+/-316.920 χ^2/NDF:11.8/18

+ sign -49.648+/-260.348 χ^2/NDF: 42.7/35

All: 58.275+/-185.349 χ^2/NDF: 72.1/73

- sign 169.191+/-263.934 χ^2/NDF: 29.0/37

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: 1226.396+/-0.218 χ^2/NDF:133268.3/19

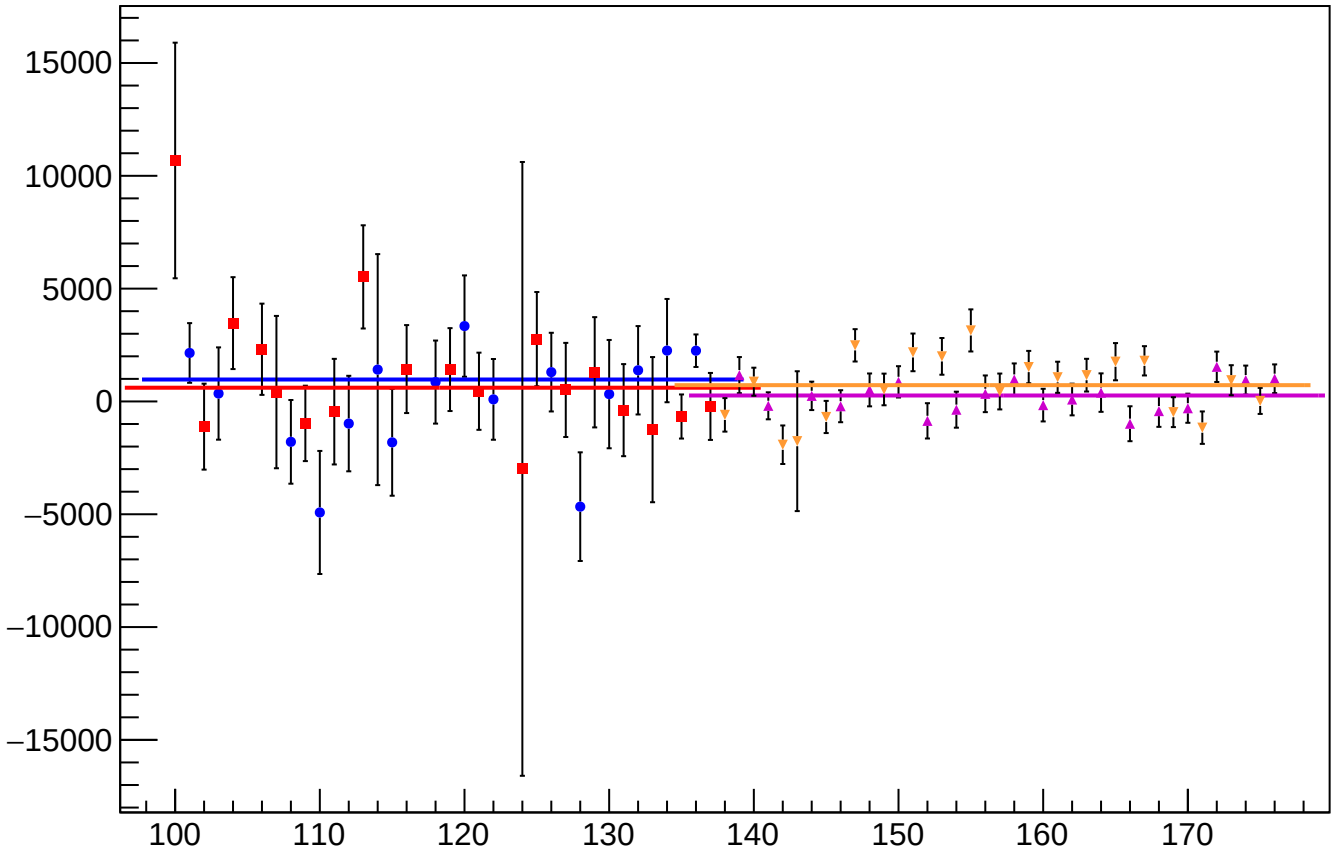
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.8/18

+ sign 1242.205+/-0.184 χ^2/NDF: 658616.0/35

All: 1249.751+/-0.131 χ^2/NDF: 908370.5/73

- sign 1257.507+/-0.187 χ^2/NDF: 246347.1/37



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 721.545+/-164.925 χ^2/NDF:53.8/19

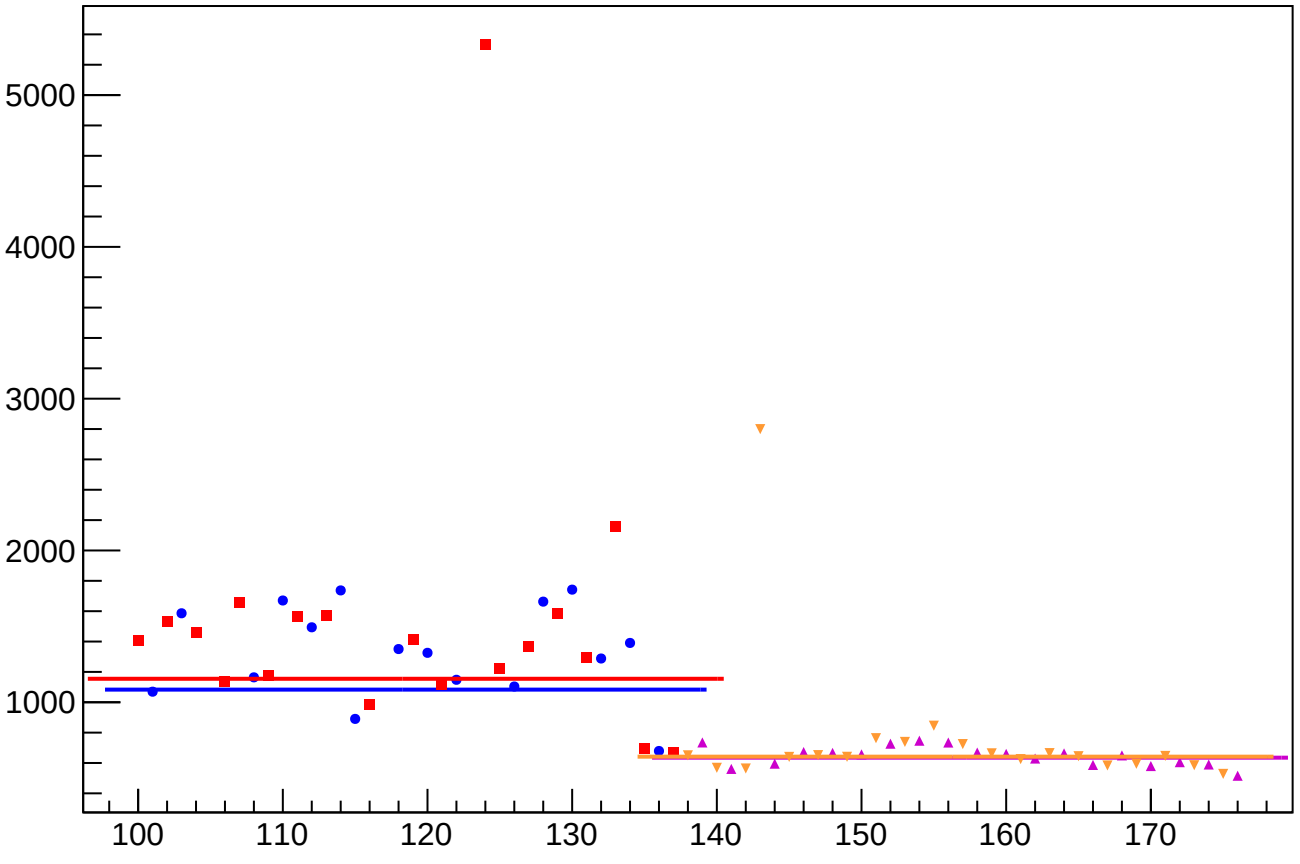
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 263.668+/-162.125 χ^2/NDF:17.7/18

+ sign 754.332+/-153.764 χ^2/NDF: 74.5/35

All: 527.031+/-108.256 χ^2/NDF: 114.2/73

- sign 303.633+/-152.439 χ^2/NDF: 35.4/37



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 641.607+/-0.117 χ^2/NDF:1326088.0/19

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

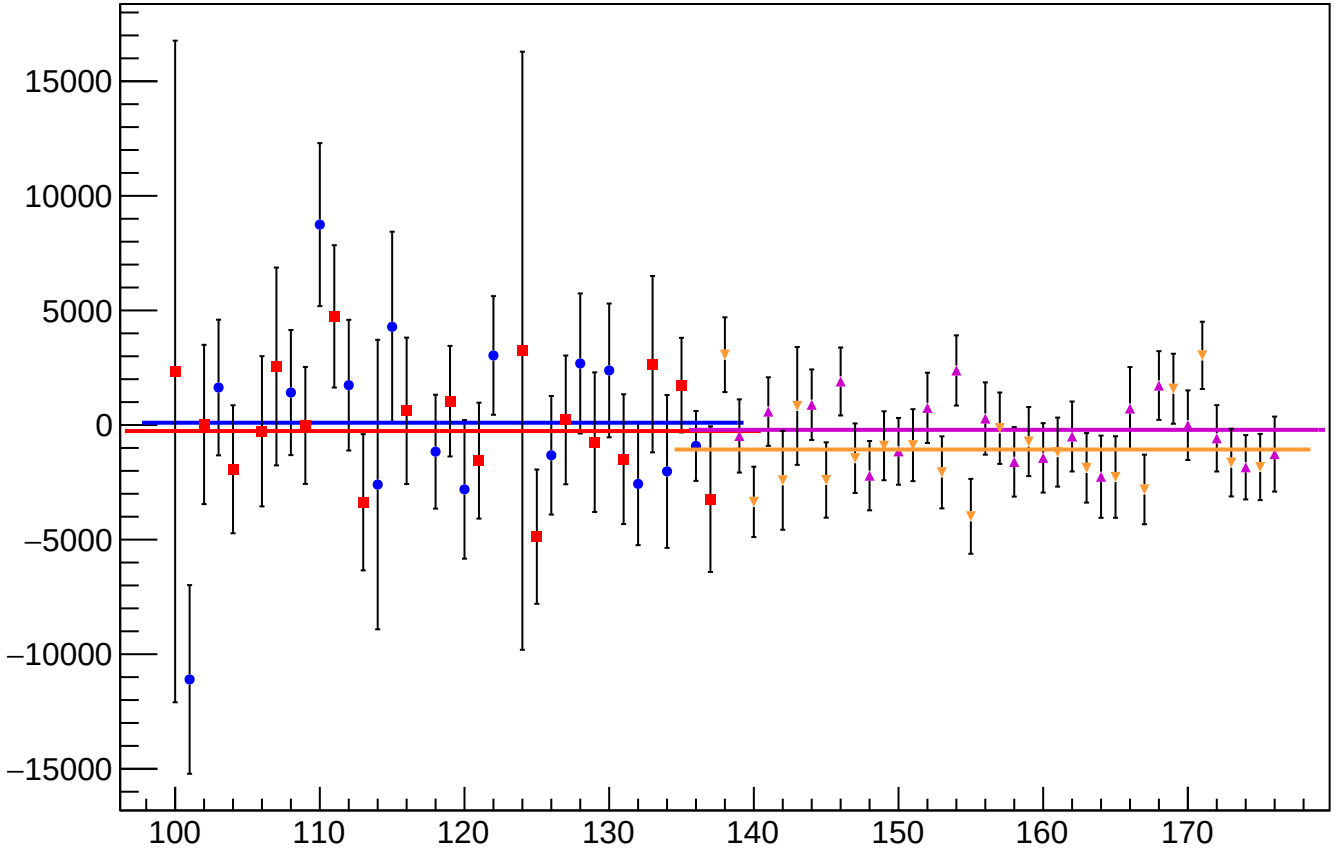
Left In: 634.967+/-0.115 χ^2/NDF:294228.9/18

+ sign 699.369+/-0.109 χ^2/NDF: 4562312.5/35

All: 697.275+/-0.077 χ^2/NDF: 8728351.1/73

- sign 695.217+/-0.108 χ^2/NDF: 4165303.1/37

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1068.069+/-355.670 χ^2/NDF:27.6/19

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

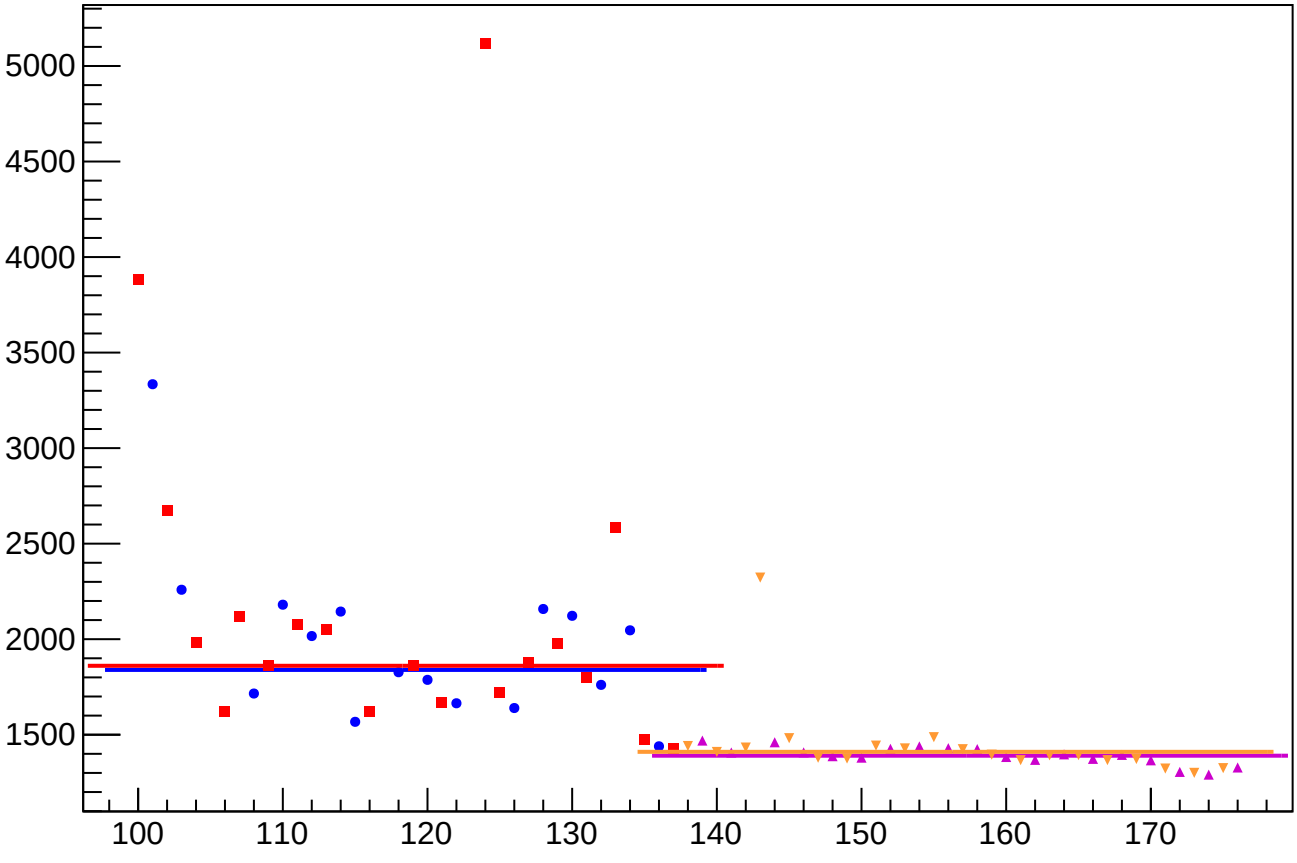
Left In: -210.020+/-352.862 χ^2/NDF:15.0/18

+ sign -827.744+/-316.992 χ^2/NDF: 51.2/35

All: -522.377+/-223.464 χ^2/NDF: 78.3/73

- sign -220.707+/-315.068 χ^2/NDF: 25.3/37

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1410.426+/-0.251 χ^2/NDF:294118.7/19

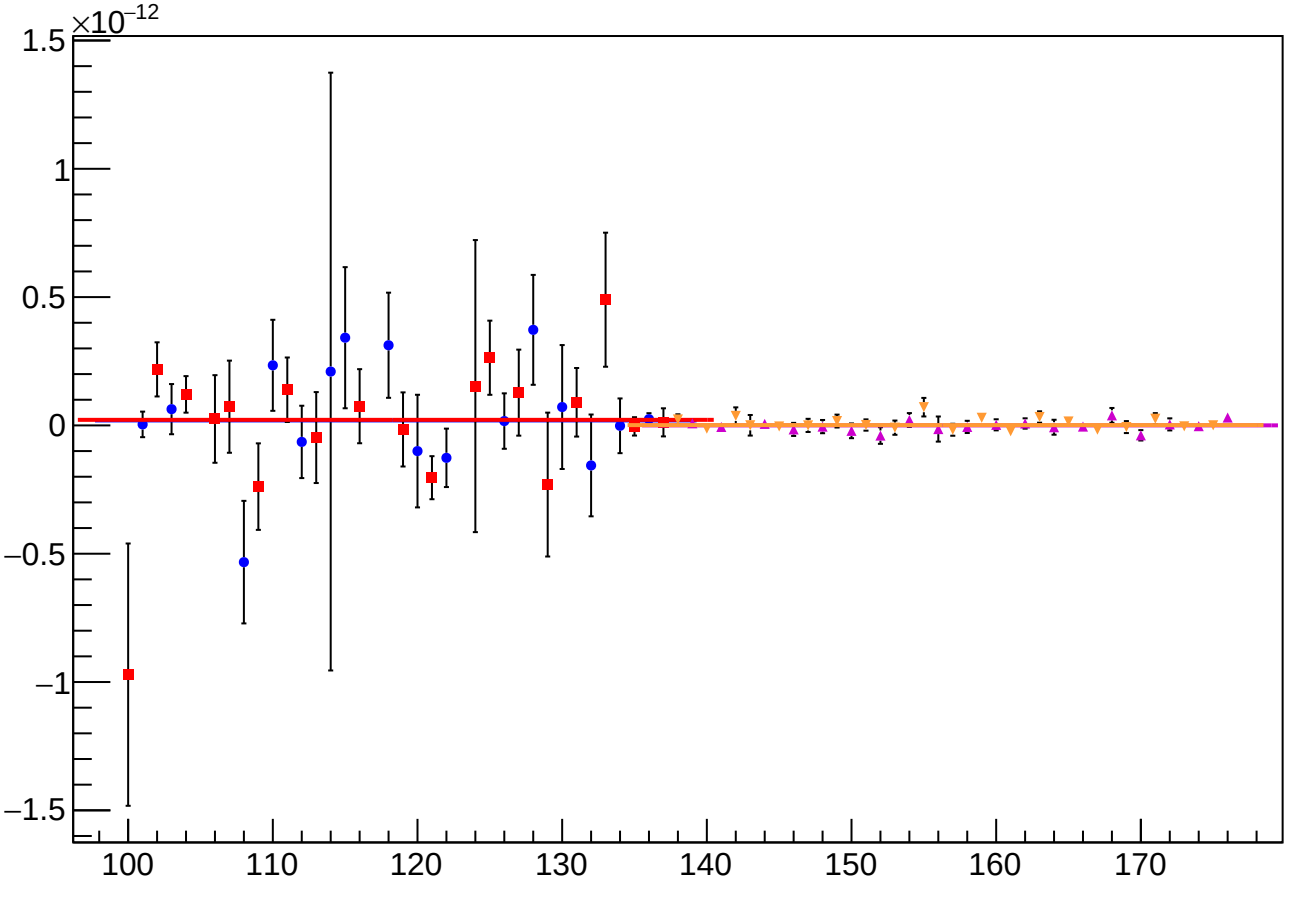
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1390.175+/-0.250 χ^2/NDF:35958.2/18

+ sign 1498.593+/-0.224 χ^2/NDF: 1448404.4/35

All: 1492.049+/-0.158 χ^2/NDF: 2729353.4/73

- sign 1485.585+/-0.223 χ^2/NDF: 1279254.8/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/19

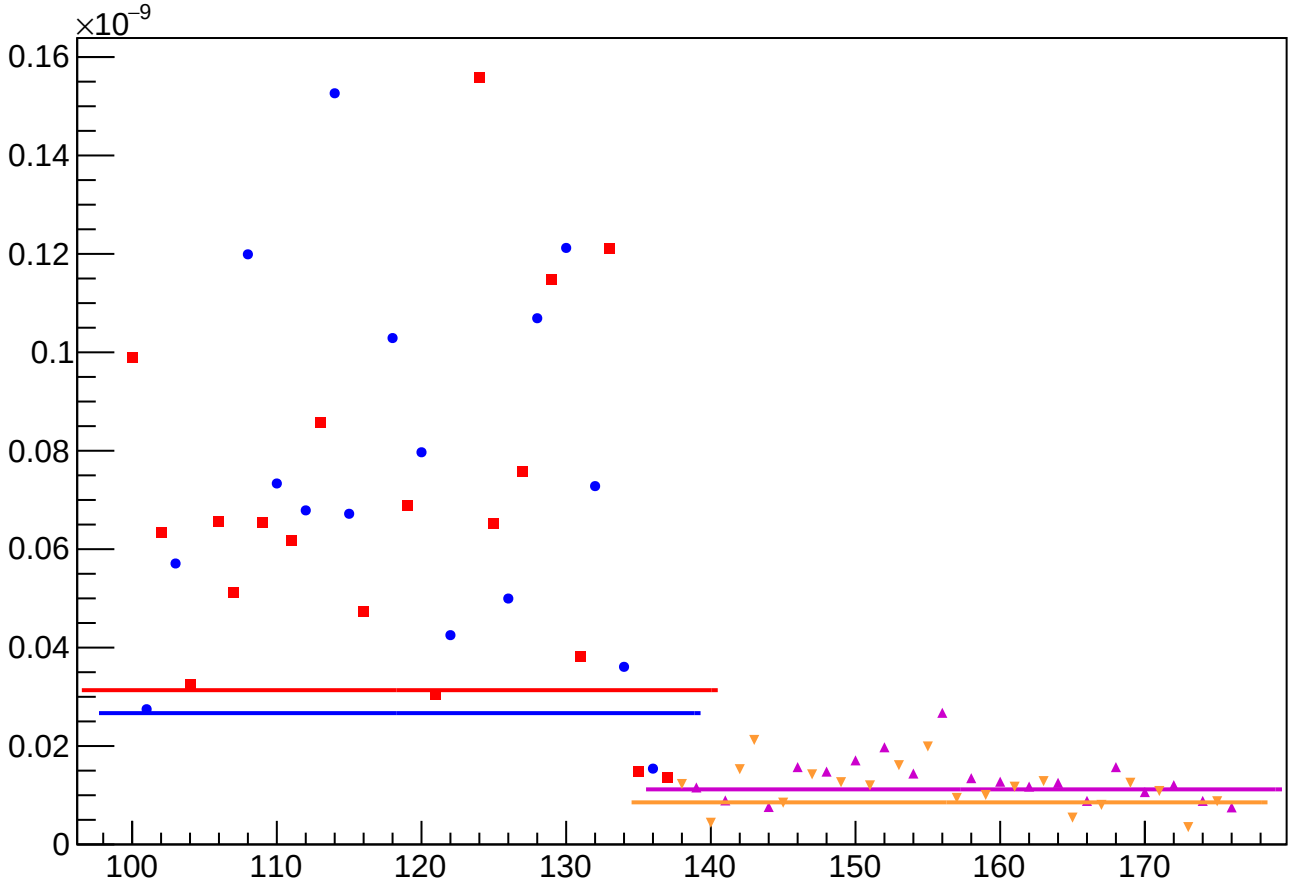
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/35

All: 0.000+/-0.000 χ^2/NDF: 77.8/73

- sign 0.000+/-0.000 χ^2/NDF: 41.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1998162.4/19

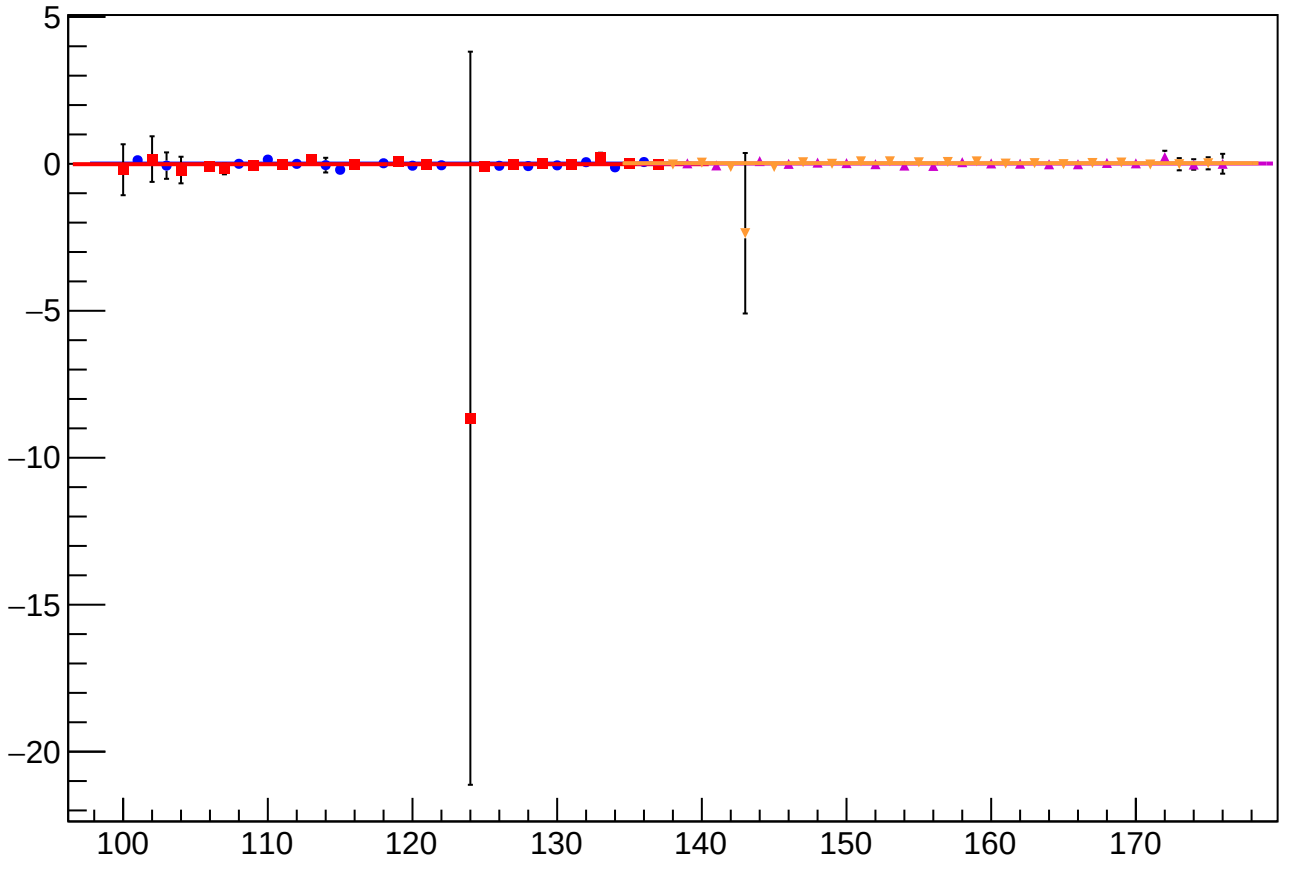
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:988234.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 6355599.7/35

All: 0.000+/-0.000 χ^2/NDF: 11575319.7/73

- sign 0.000+/-0.000 χ^2/NDF: 4823174.8/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

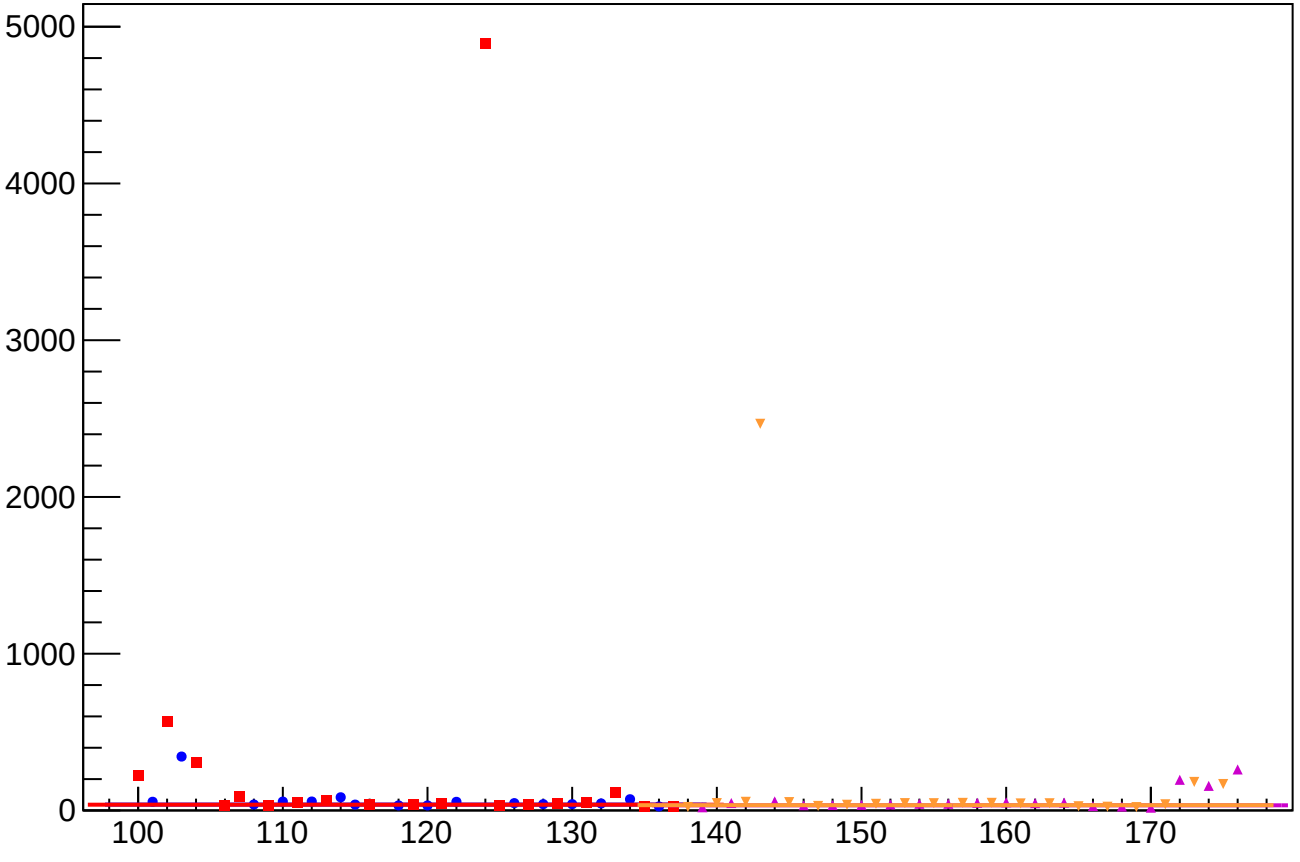
Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/73

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37

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: 33.667+/-0.007 χ^2/NDF:5853305.7/19

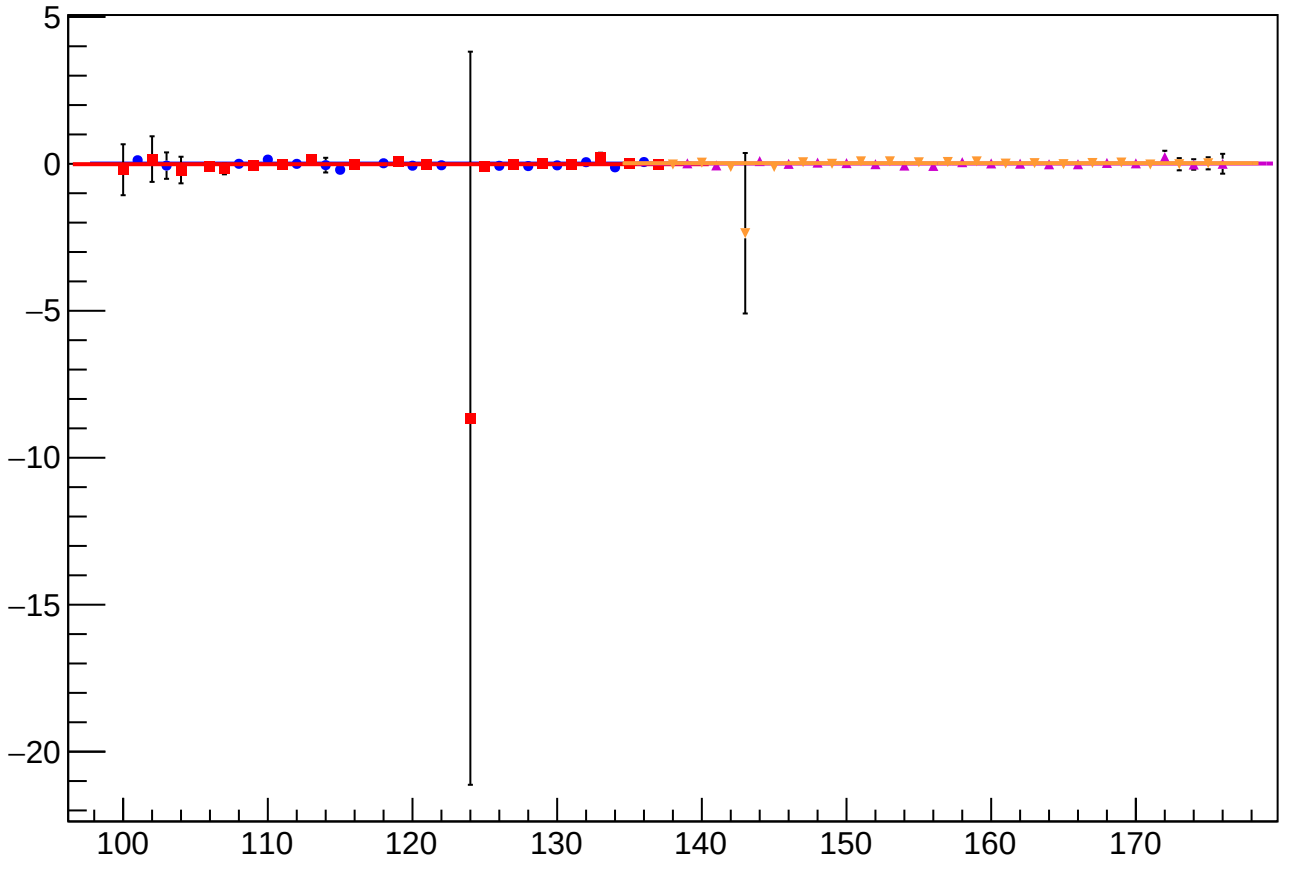
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

\+ sign 34.769+/-0.006 χ^2/NDF: 7917288.7/35

All: 34.310+/-0.004 χ^2/NDF: 16935421.5/73

\- sign 33.861+/-0.006 χ^2/NDF: 9006948.8/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

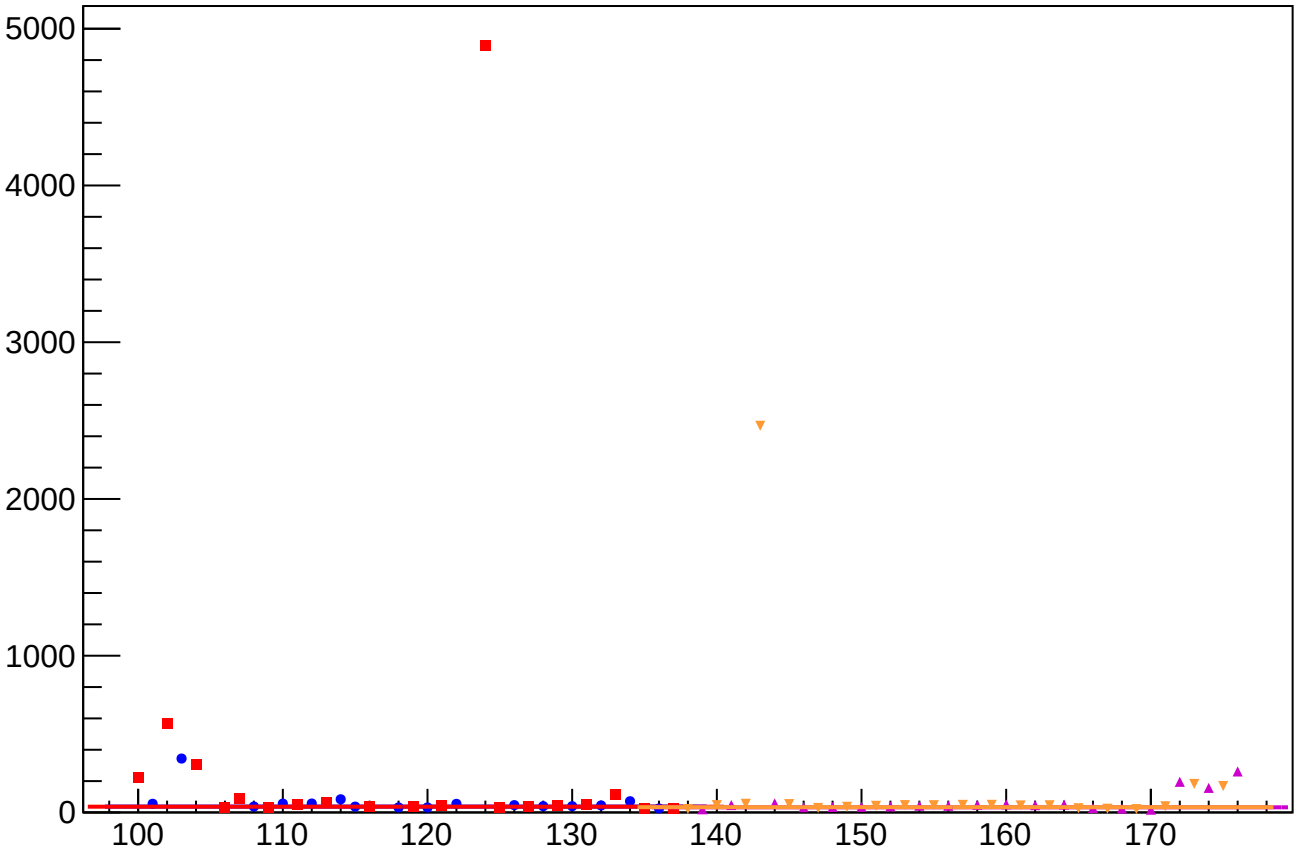
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/73

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.667+/-0.007 χ^2/NDF:5853305.7/19

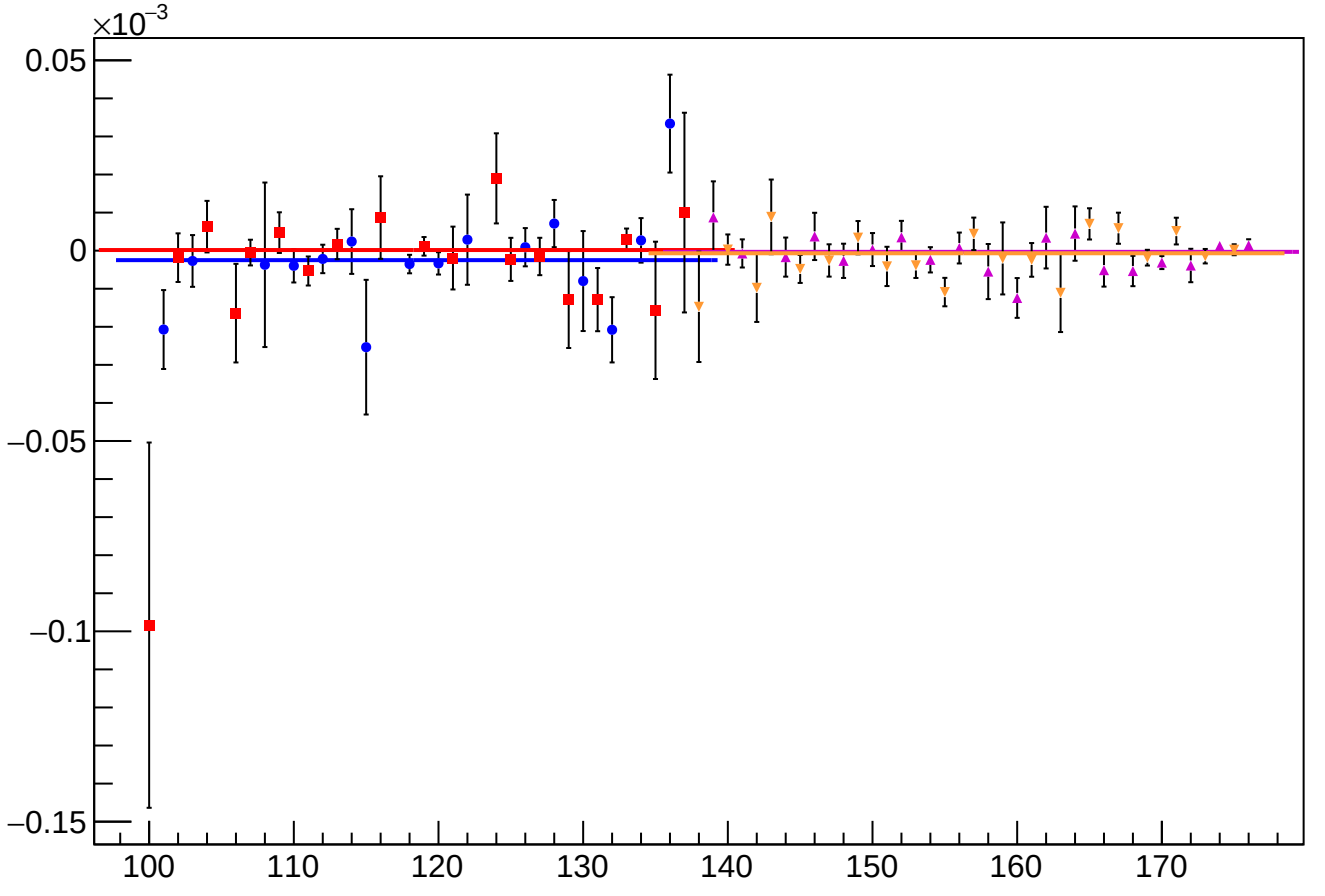
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

\+ sign 34.769+/-0.006 χ^2/NDF: 7917288.7/35

All: 34.310+/-0.004 χ^2/NDF: 16935421.5/73

\- sign 33.861+/-0.006 χ^2/NDF: 9006948.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/19

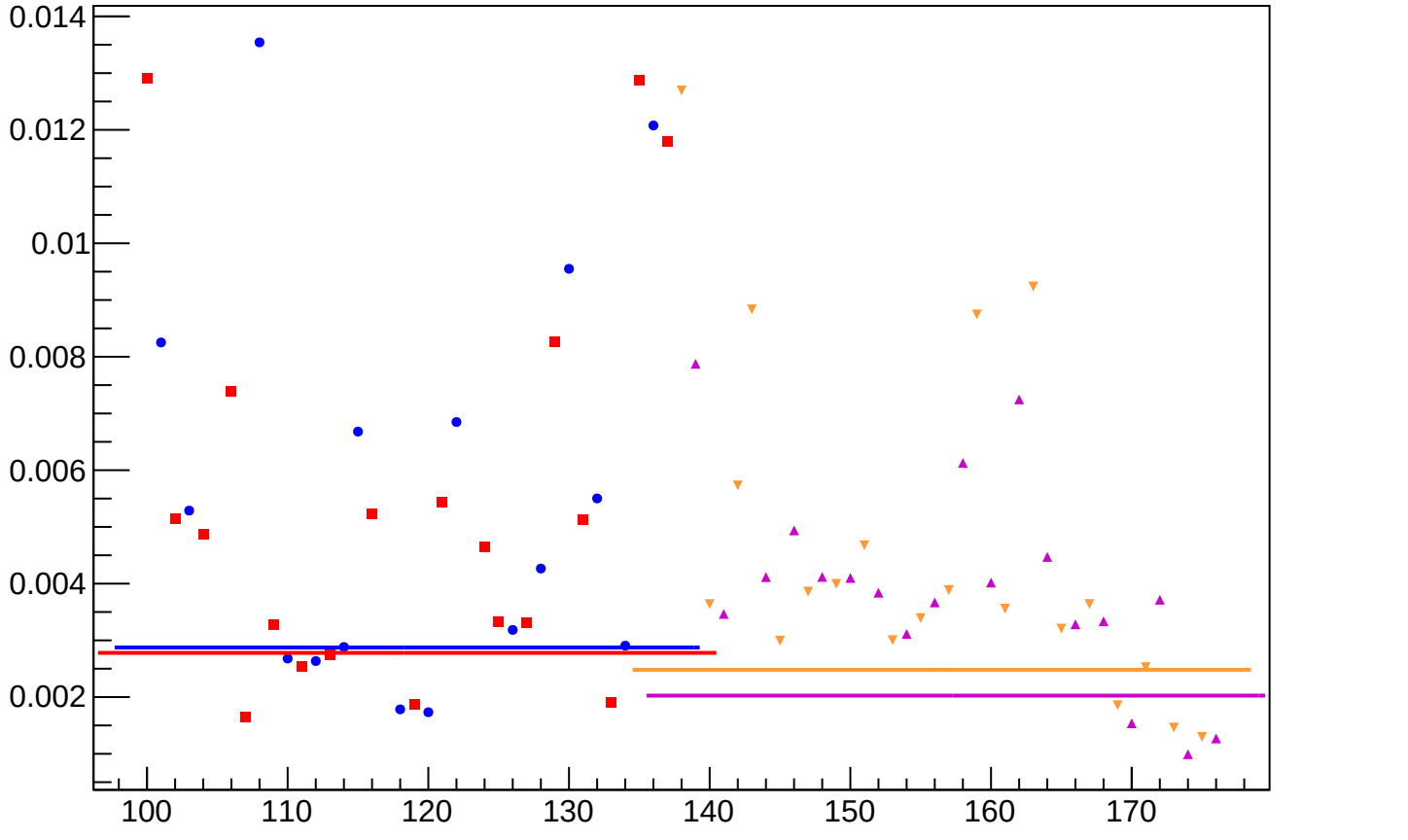
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

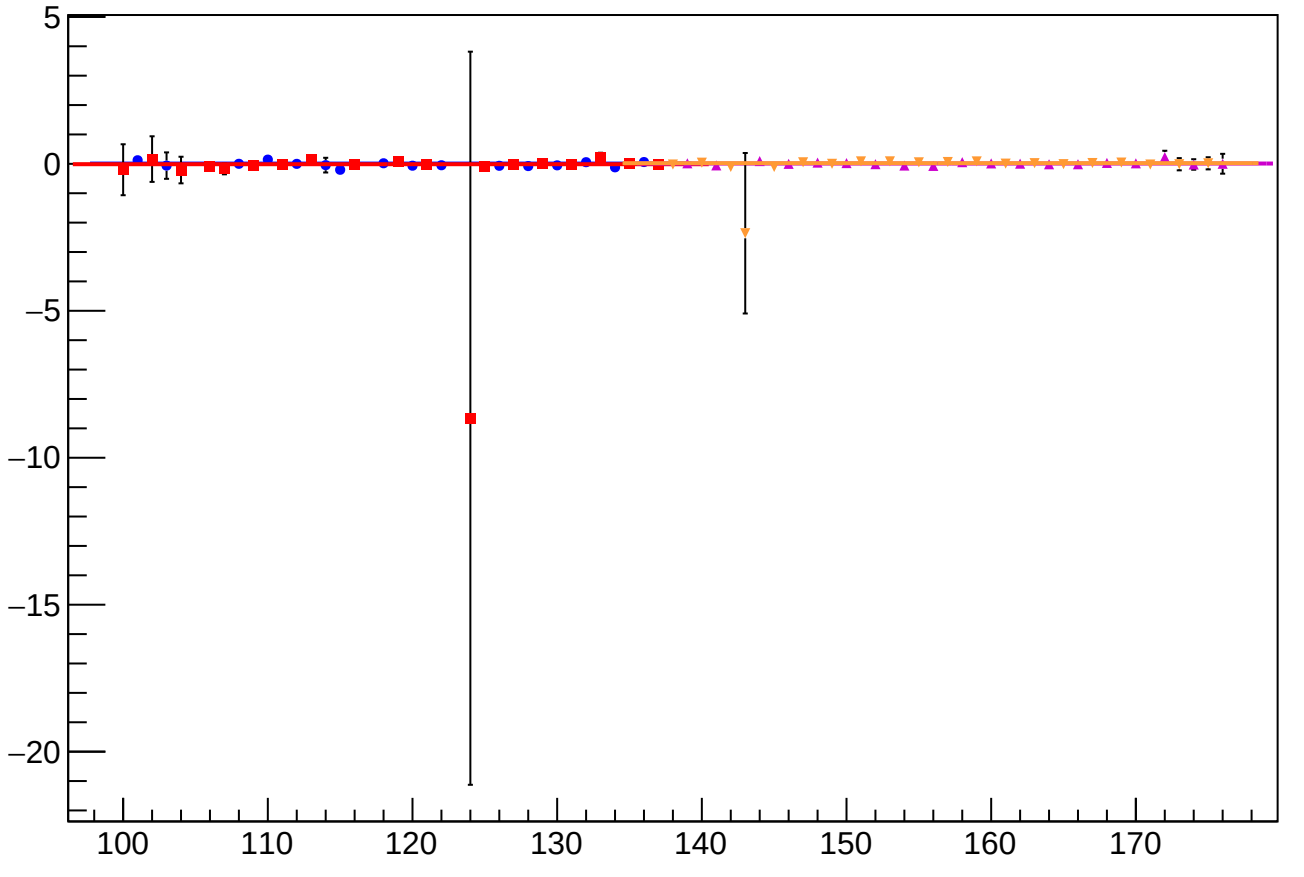
Left In: -0.000+/-0.000 χ^2/NDF:18.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 49.8/35

All: -0.000+/-0.000 χ^2/NDF: 88.9/73

- sign -0.000+/-0.000 χ^2/NDF: 37.9/37


asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.002+/-0.000 χ²/NDF:7693908.4/19
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.002+/-0.000 χ²/NDF:8752658.2/18
+ sign 0.003+/-0.000 χ²/NDF: 11983029.3/35
All: 0.002+/-0.000 χ²/NDF: 25043479.9/73
- sign 0.002+/-0.000 χ²/NDF: 12691567.0/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

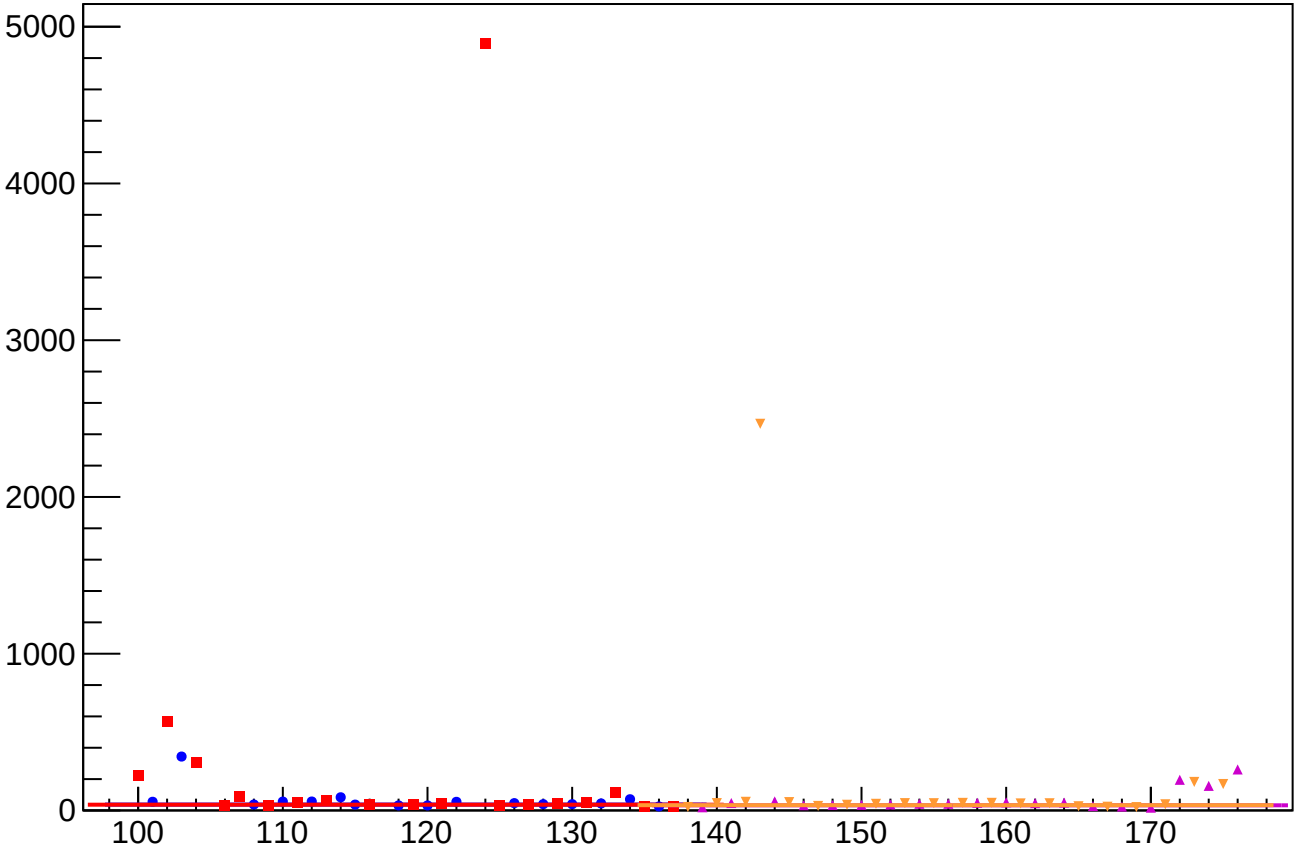
Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/73

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.666+/-0.007 χ^2/NDF:5853388.1/19

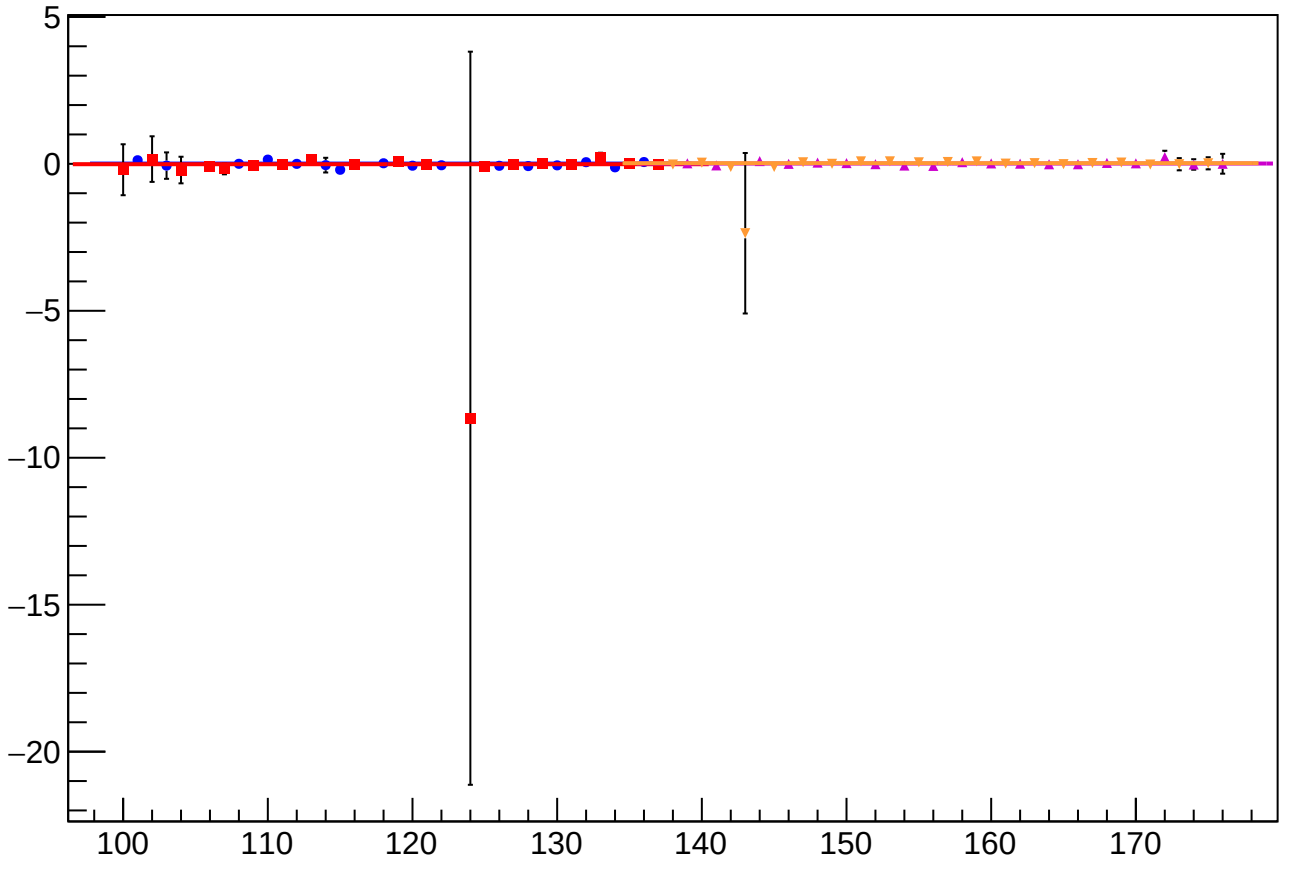
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

\+ sign 34.768+/-0.006 χ^2/NDF: 7917364.1/35

All: 34.311+/-0.004 χ^2/NDF: 16933903.8/73

\- sign 33.863+/-0.006 χ^2/NDF: 9005421.4/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

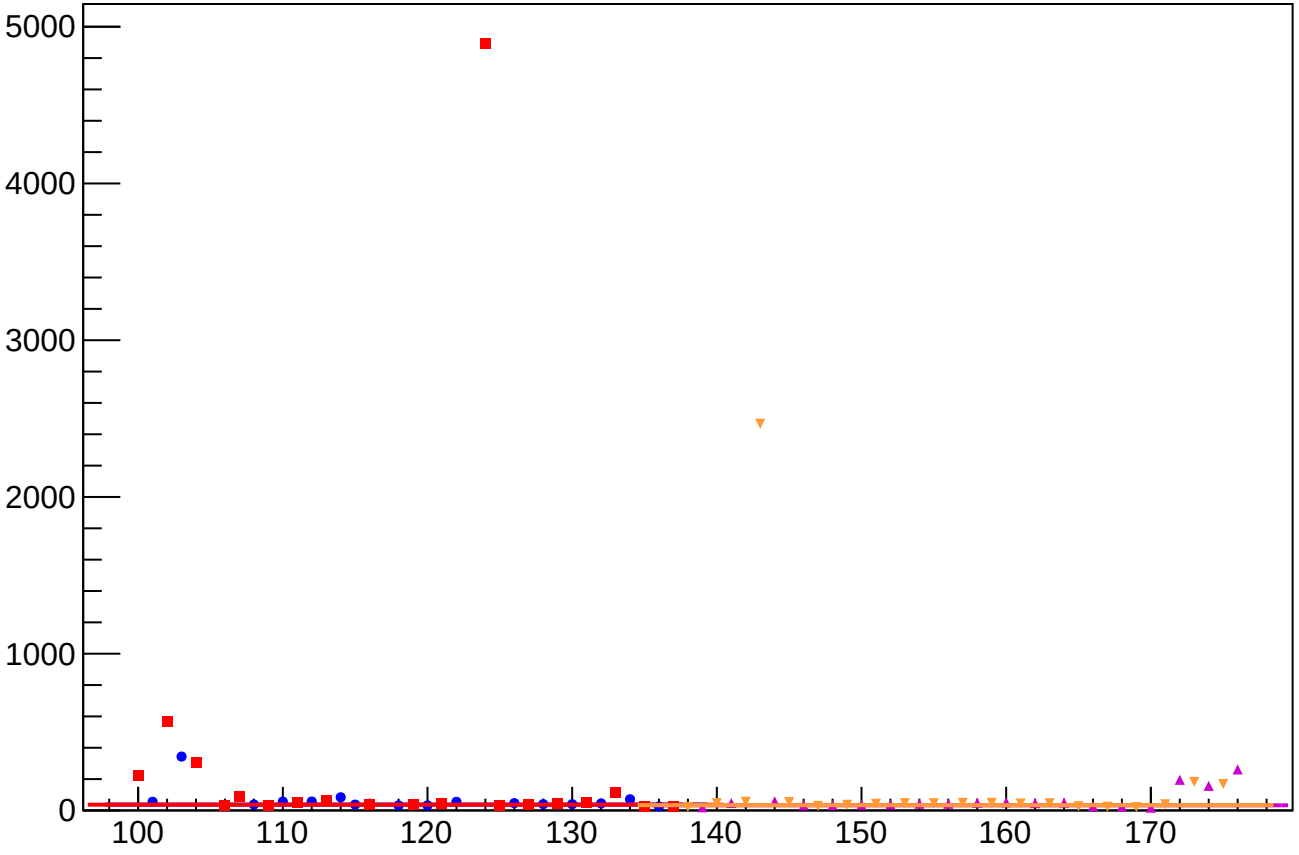
Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/73

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.666+/-0.007 χ^2/NDF:5853388.1/19

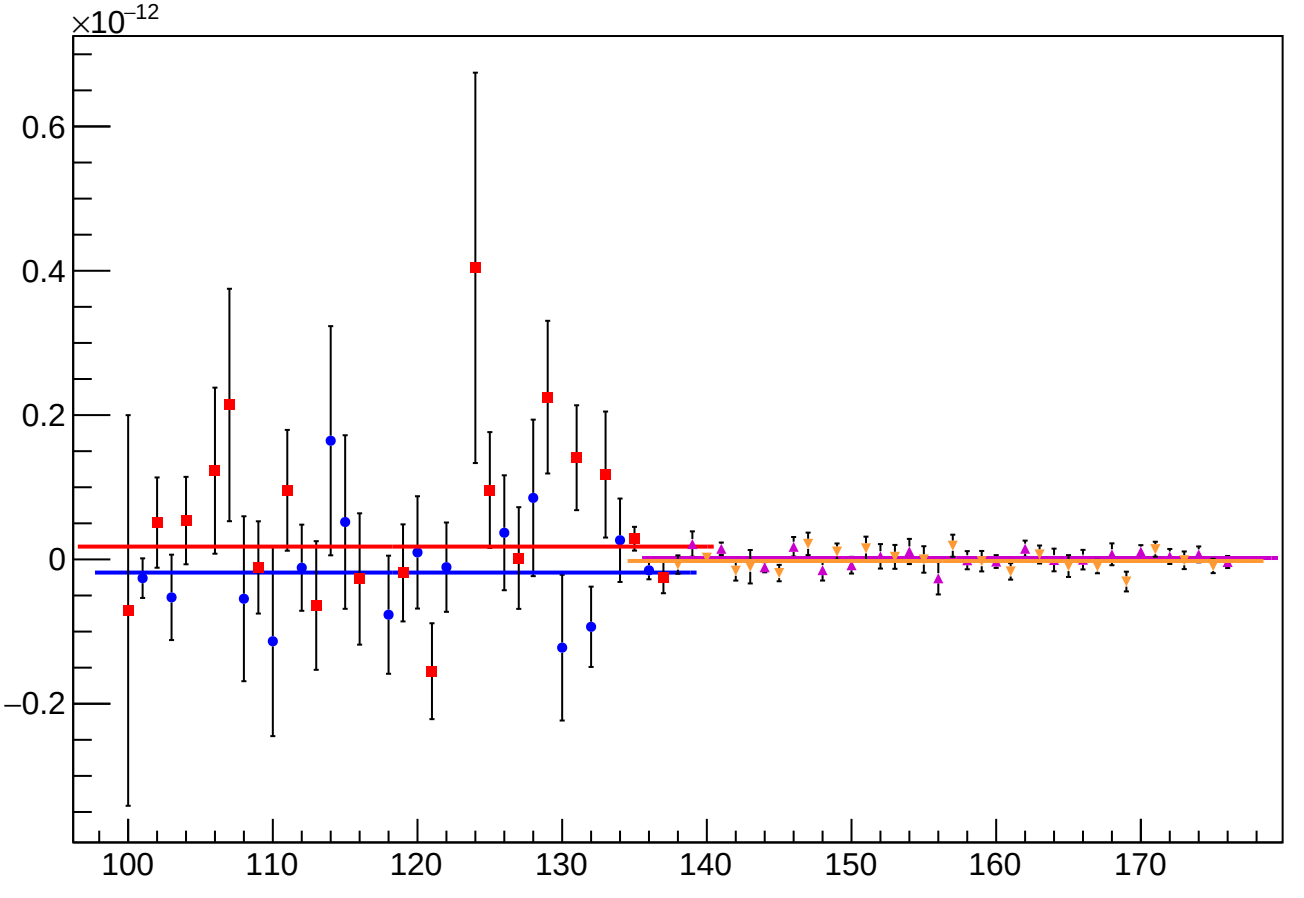
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

+ sign 34.768+/-0.006 χ^2/NDF: 7917364.1/35

All: 34.311+/-0.004 χ^2/NDF: 16933903.8/73

- sign 33.863+/-0.006 χ^2/NDF: 9005421.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/19

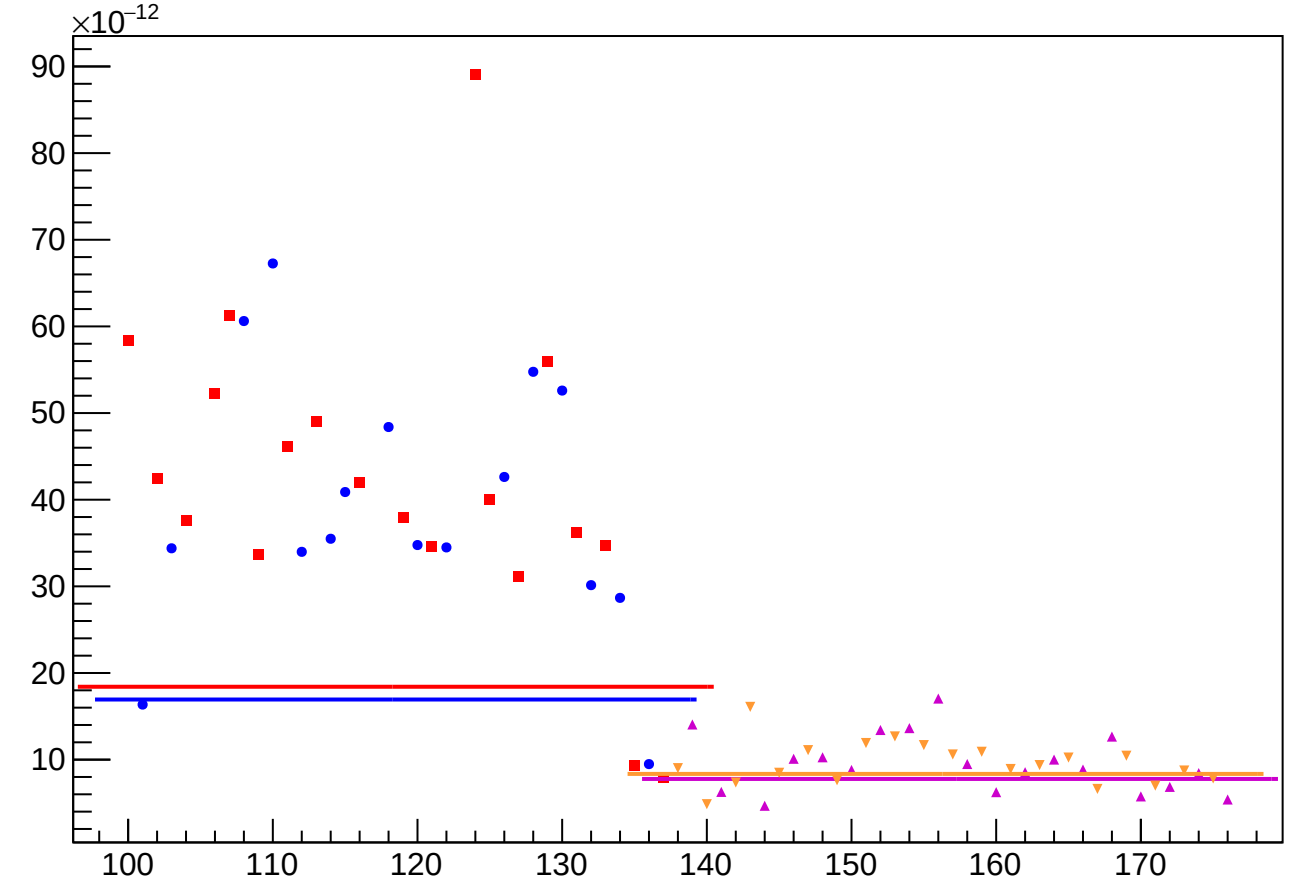
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/18

\+ sign -0.000+/-0.000 χ^2/NDF: 31.8/35

All: -0.000+/-0.000 χ^2/NDF: 79.2/73

\- sign 0.000+/-0.000 χ^2/NDF: 44.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1459012.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

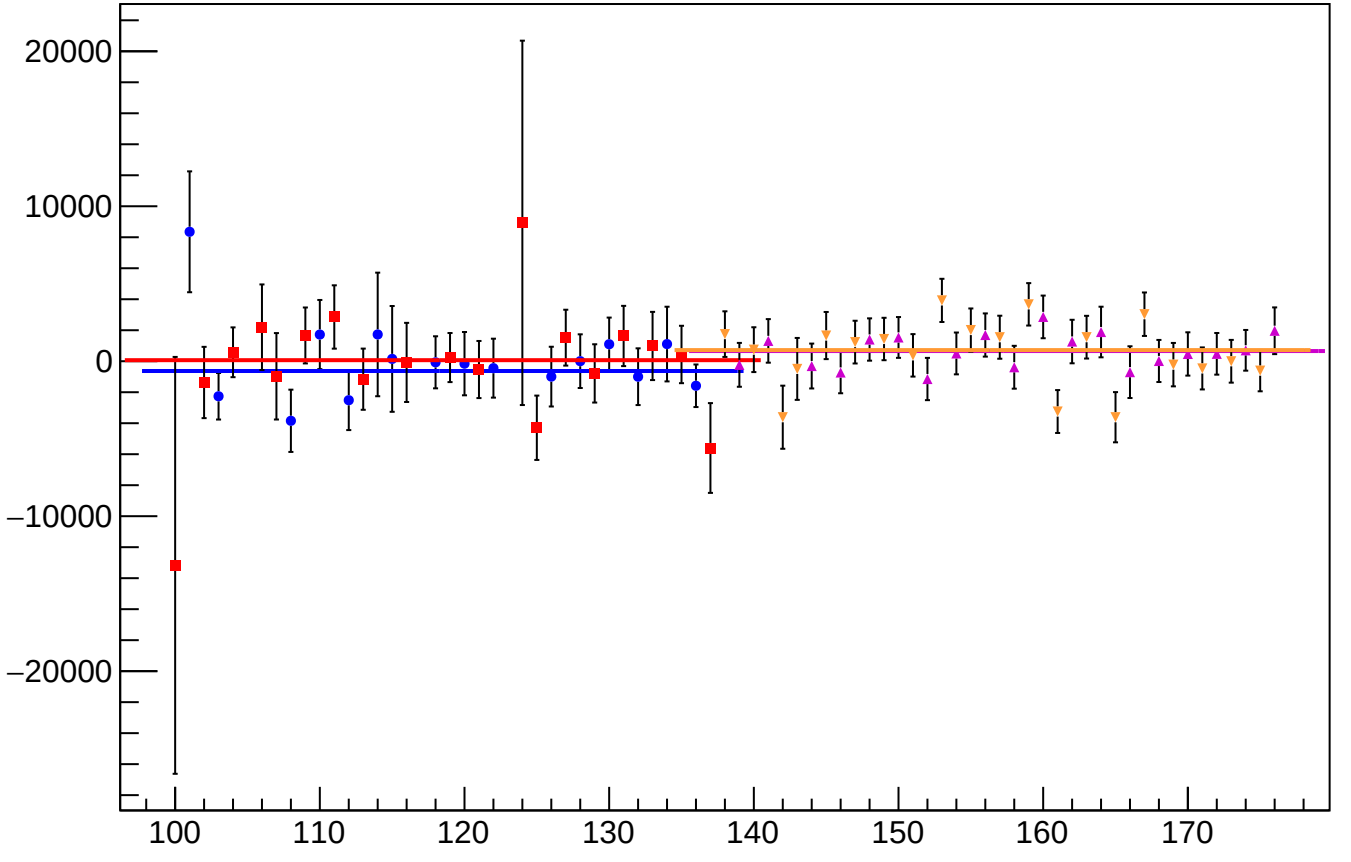
Left In: 0.000+/-0.000 χ^2/NDF:2280603.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 6061861.8/35

All: 0.000+/-0.000 χ^2/NDF: 13831935.2/73

- sign 0.000+/-0.000 χ^2/NDF: 7711484.3/37

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.812+/-322.406 χ^2/NDF:38.3/19

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

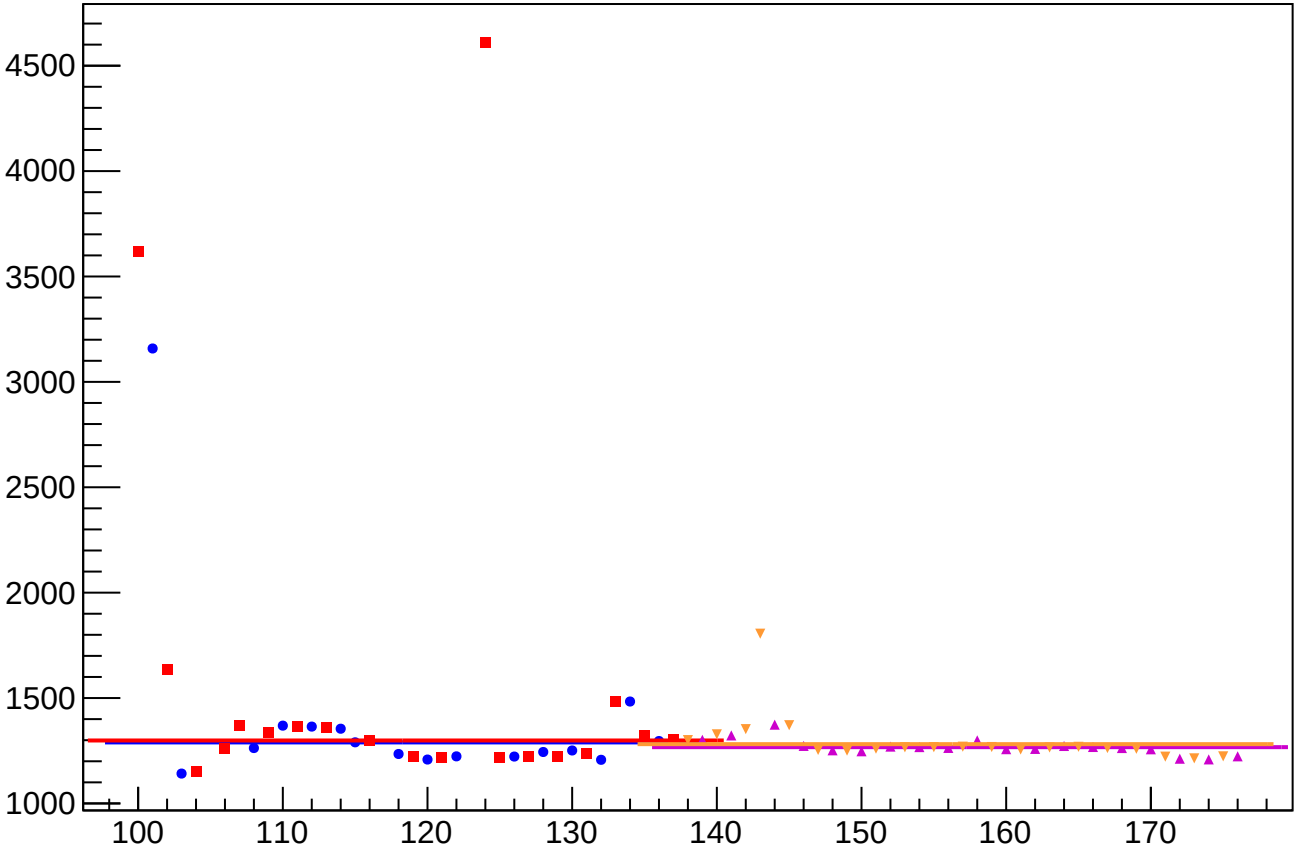
Left In: 656.785+/-321.523 χ^2/NDF:10.7/18

\+ sign 308.731+/-269.111 χ^2/NDF: 57.5/35

All: 393.741+/-190.055 χ^2/NDF: 85.4/73

\- sign 478.332+/-268.447 χ^2/NDF: 27.6/37

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

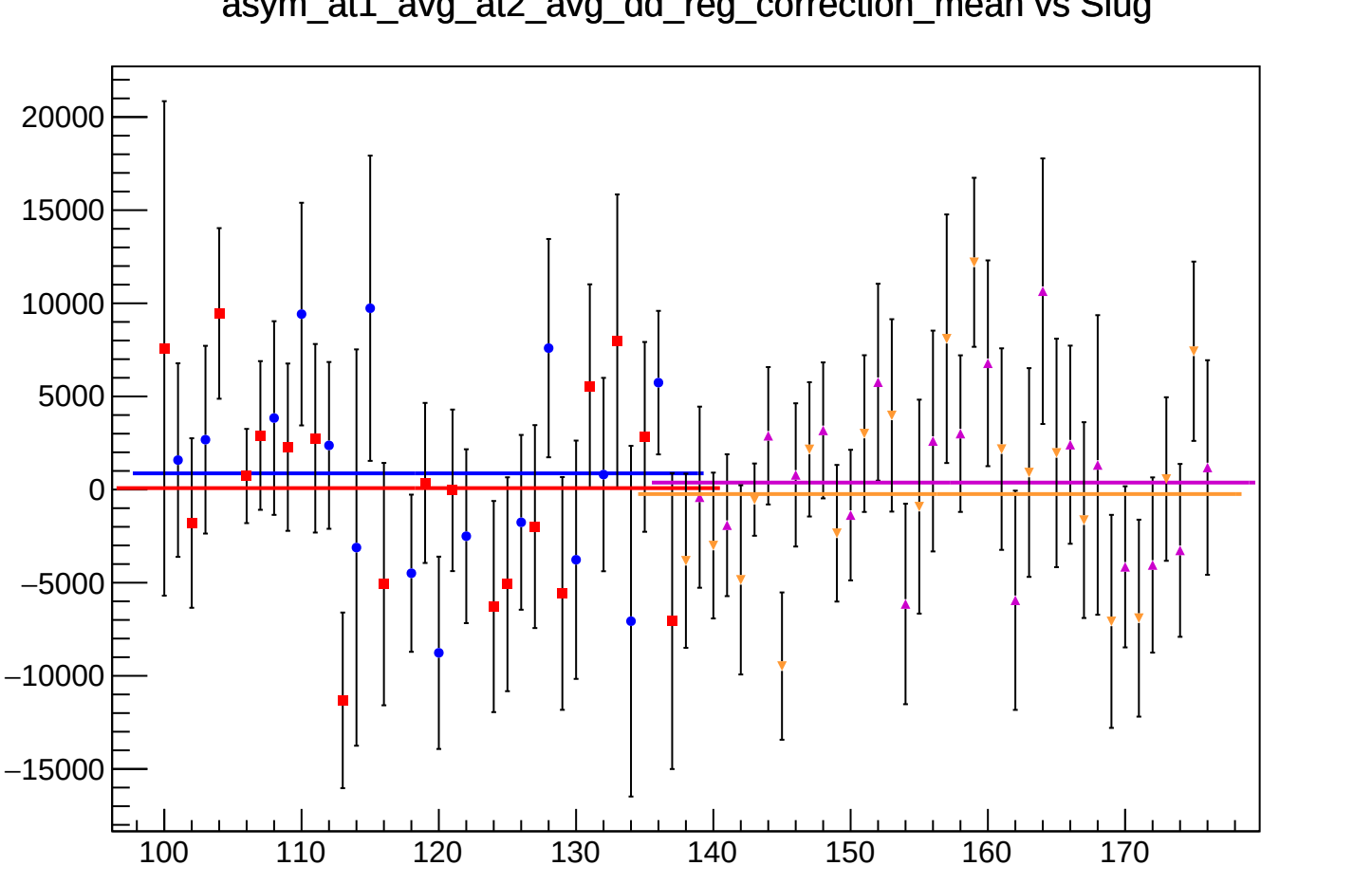
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1283.736+/-0.190 χ^2/NDF: 681837.6/35

All: 1280.162+/-0.134 χ^2/NDF: 1034067.8/73

- sign 1276.612+/-0.190 χ^2/NDF: 351527.2/37



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -240.210+/-946.405 χ^2/NDF:24.5/19

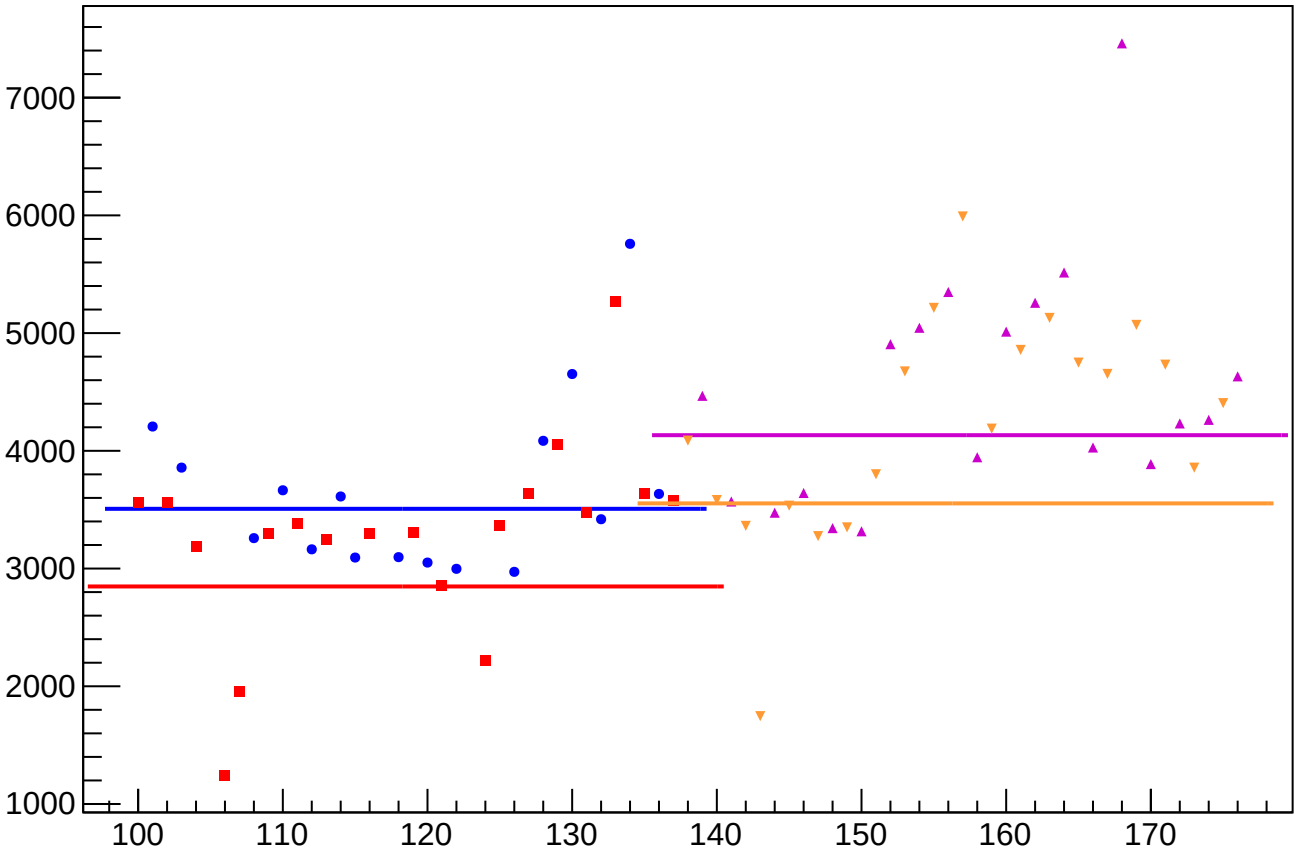
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 374.536+/-1071.133 χ^2/NDF:12.1/18

\+ sign 134.844+/-770.182 χ^2/NDF: 39.0/35

All: 183.046+/-544.939 χ^2/NDF: 69.5/73

\- sign 231.368+/-771.139 χ^2/NDF: 30.5/37



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3553.411+/-0.669 χ^2/NDF:3108258.5/19

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

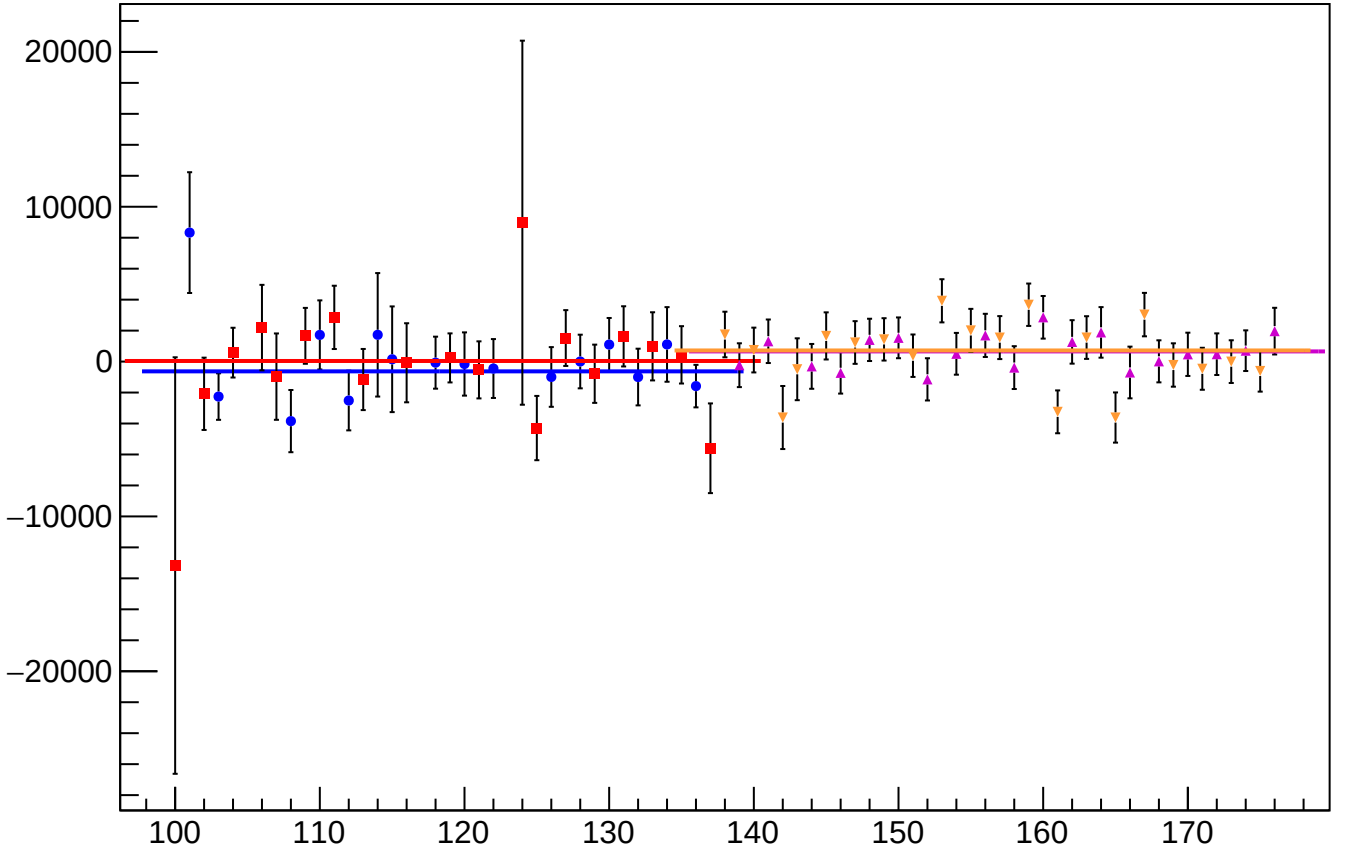
Left In: 4132.820+/-0.757 χ^2/NDF:1106305.7/18

+ sign 3537.871+/-0.545 χ^2/NDF: 3463834.3/35

All: 3525.869+/-0.385 χ^2/NDF: 7456987.7/73

- sign 3513.838+/-0.545 χ^2/NDF: 3992181.0/37

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

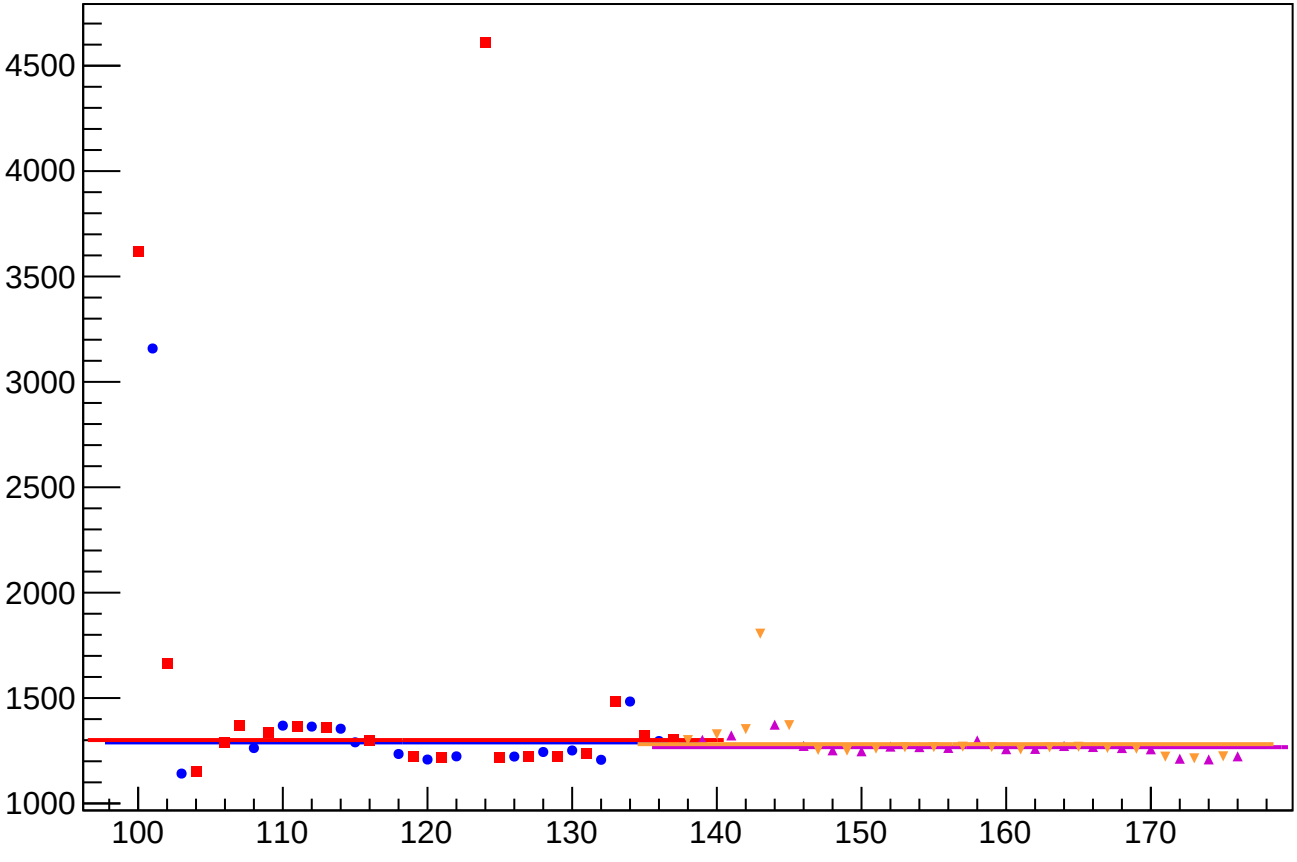
Left In: 656.732+/-321.523 χ^2/NDF:10.7/18

+ sign 308.627+/-269.111 χ^2/NDF: 57.5/35

All: 389.335+/-190.074 χ^2/NDF: 85.9/73

- sign 469.678+/-268.501 χ^2/NDF: 28.2/37

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

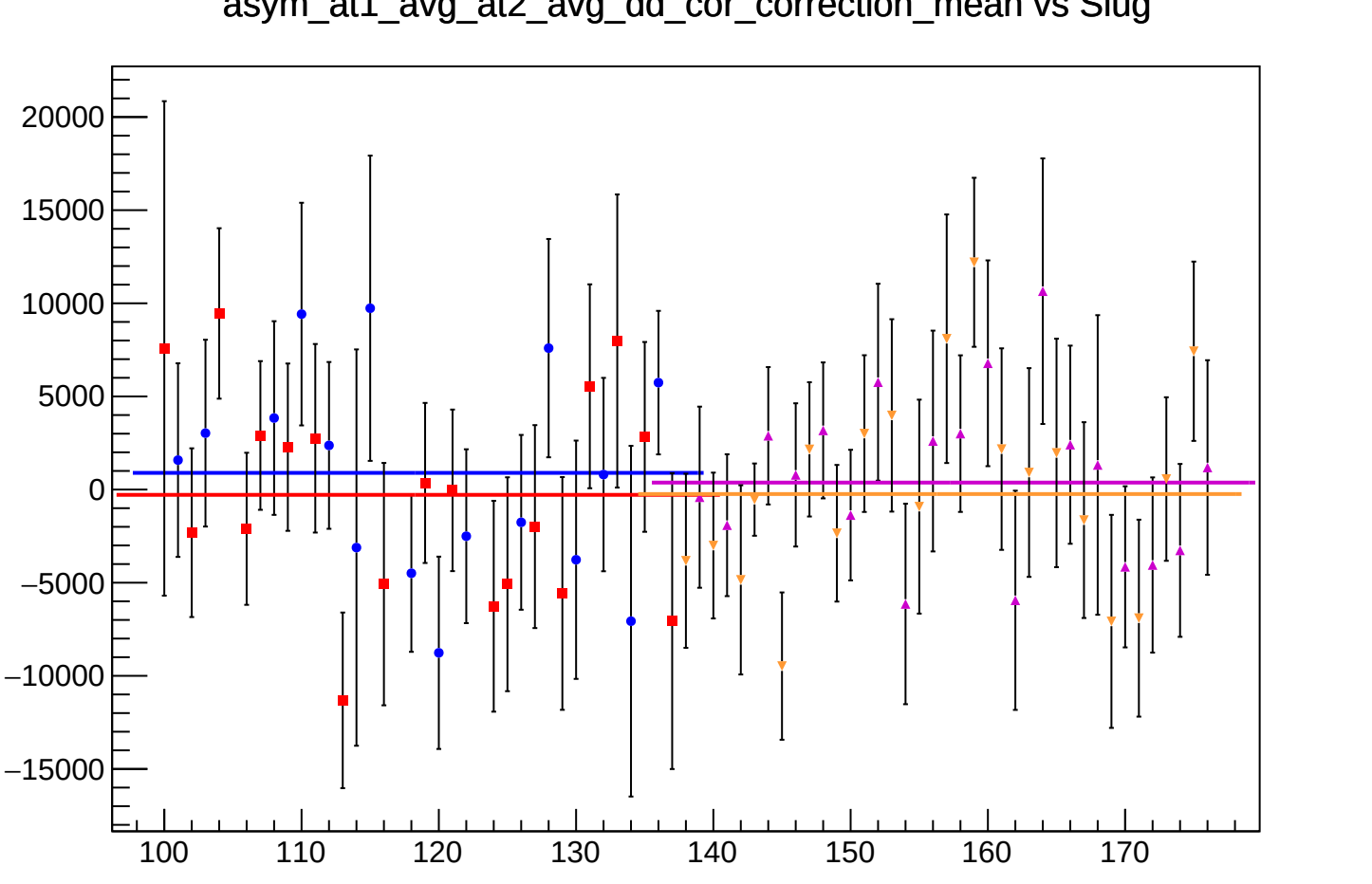
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1283.736+/-0.190 χ^2/NDF: 681839.1/35

All: 1280.463+/-0.134 χ^2/NDF: 1041255.6/73

- sign 1277.209+/-0.190 χ^2/NDF: 358826.6/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

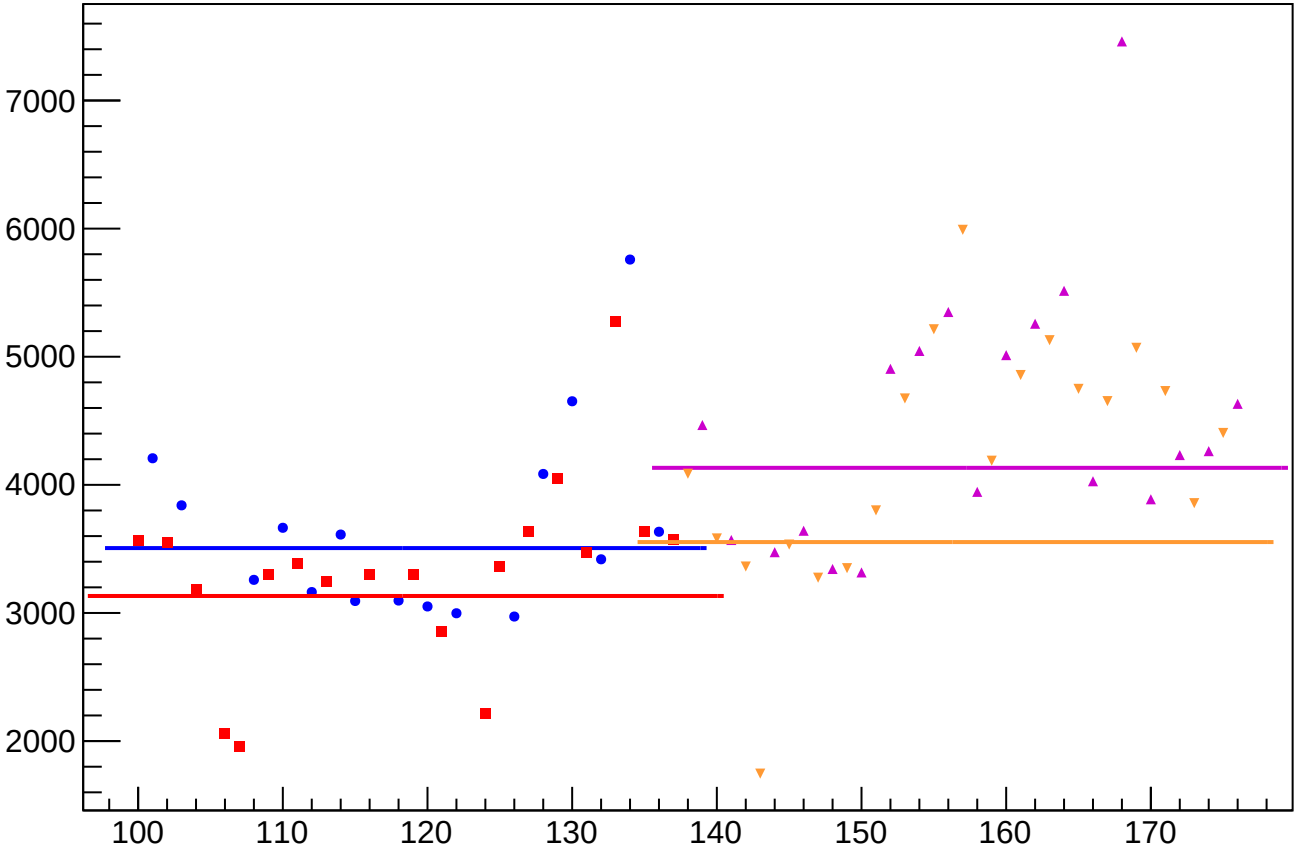
Left In: 374.550+/-1071.131 χ^2/NDF:12.1/18

+ sign 143.749+/-770.092 χ^2/NDF: 39.1/35

All: 111.854+/-552.819 χ^2/NDF: 70.0/73

- sign 77.942+/-794.068 χ^2/NDF: 30.9/37

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: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

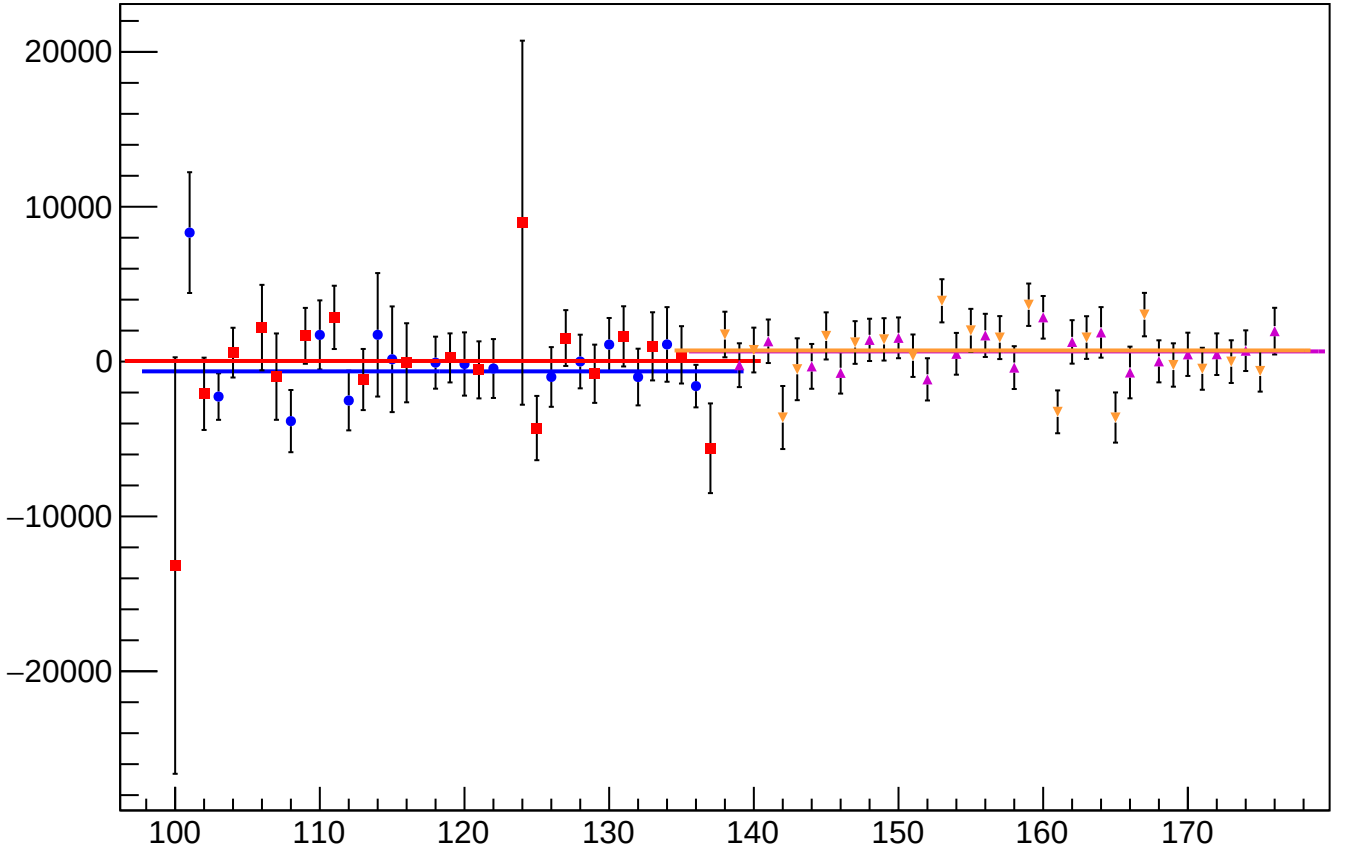
Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

+ sign 3537.549+/-0.545 χ^2/NDF: 3463190.0/35

All: 3607.702+/-0.391 χ^2/NDF: 6038880.3/73

- sign 3682.290+/-0.561 χ^2/NDF: 2541446.9/37

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

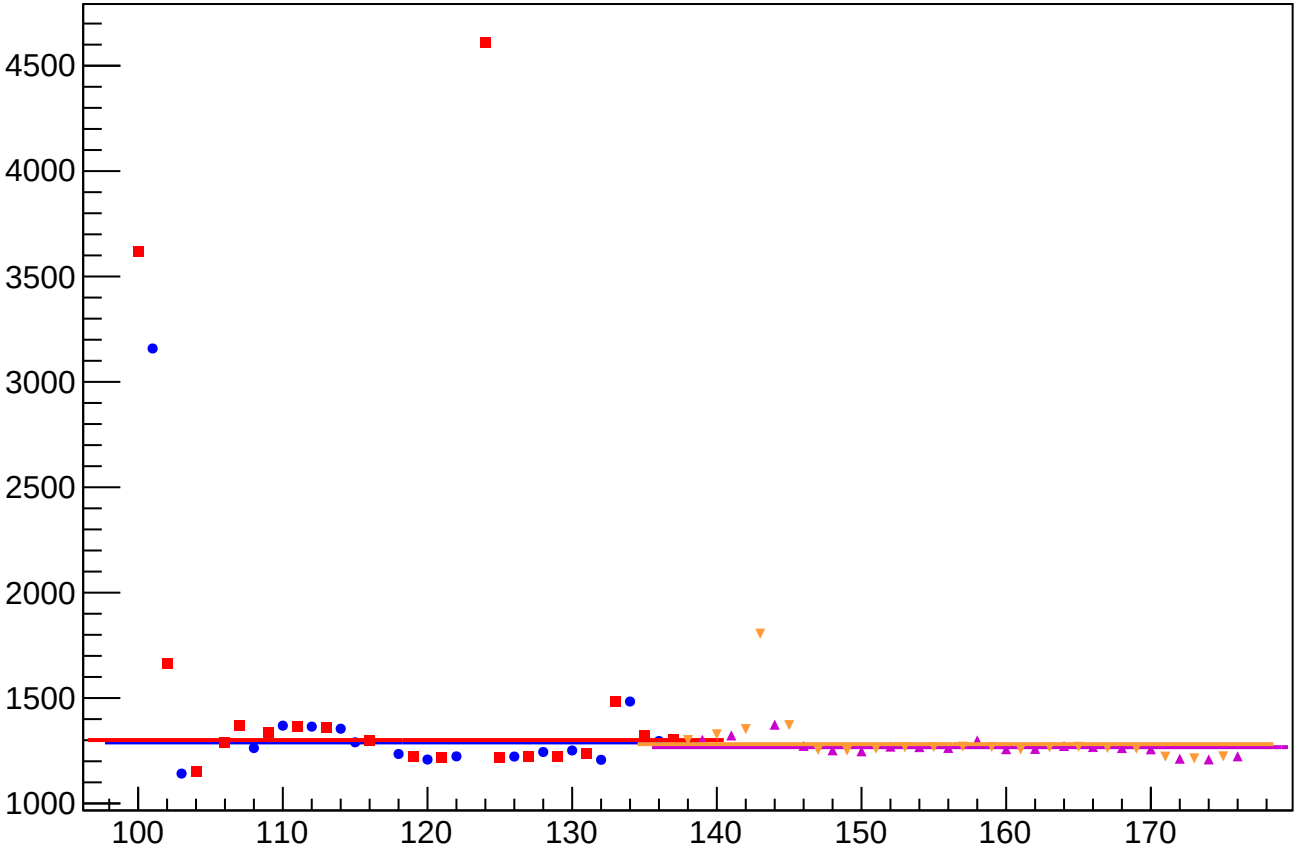
Left In: 656.732+/-321.523 χ^2/NDF:10.7/18

+ sign 308.627+/-269.111 χ^2/NDF: 57.5/35

All: 389.335+/-190.074 χ^2/NDF: 85.9/73

- sign 469.678+/-268.501 χ^2/NDF: 28.2/37

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: 1281.241+/-0.228 χ^2/NDF:166767.8/19

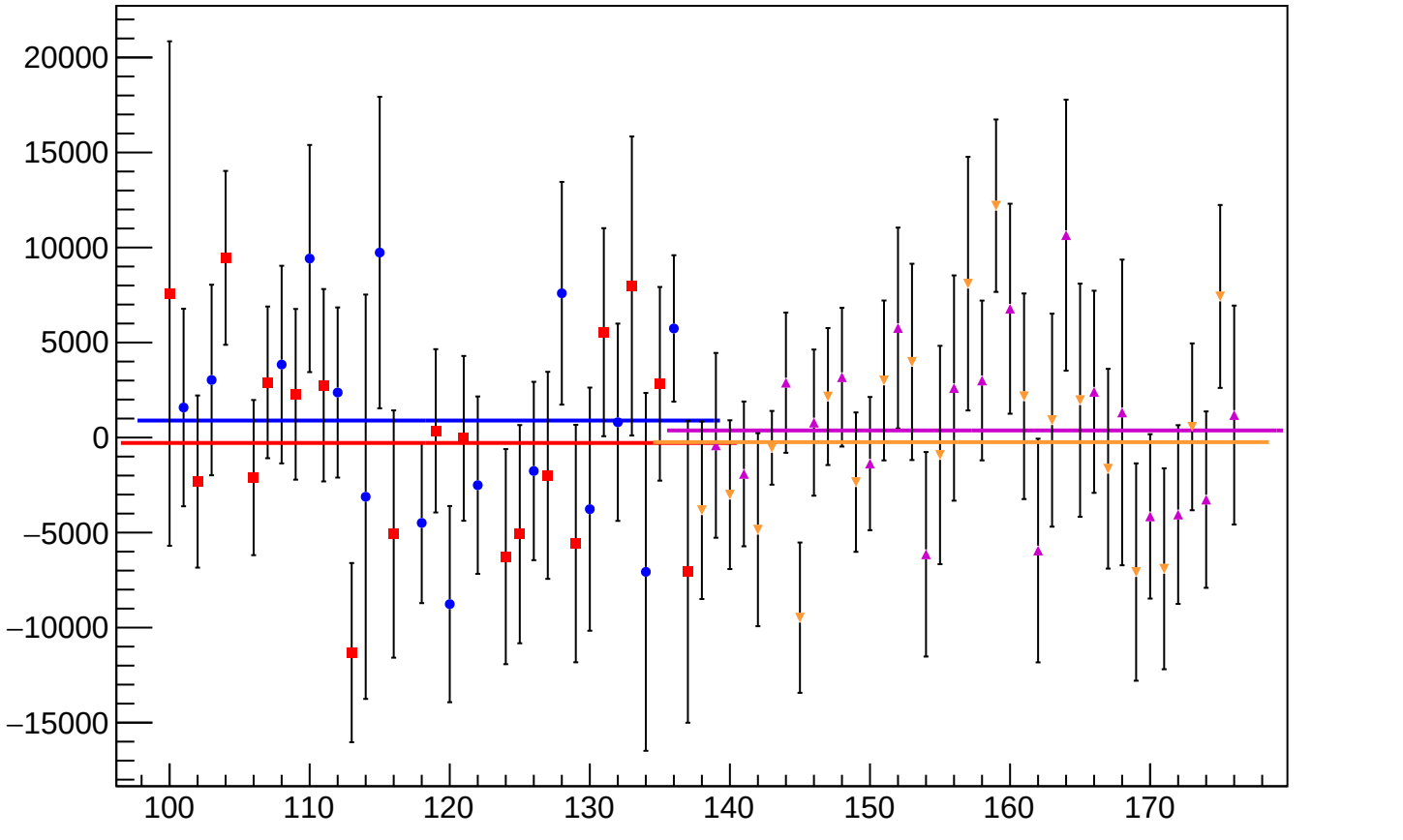
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1283.736+/-0.190 χ^2/NDF: 681839.1/35

All: 1280.463+/-0.134 χ^2/NDF: 1041255.6/73

- sign 1277.209+/-0.190 χ^2/NDF: 358826.6/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

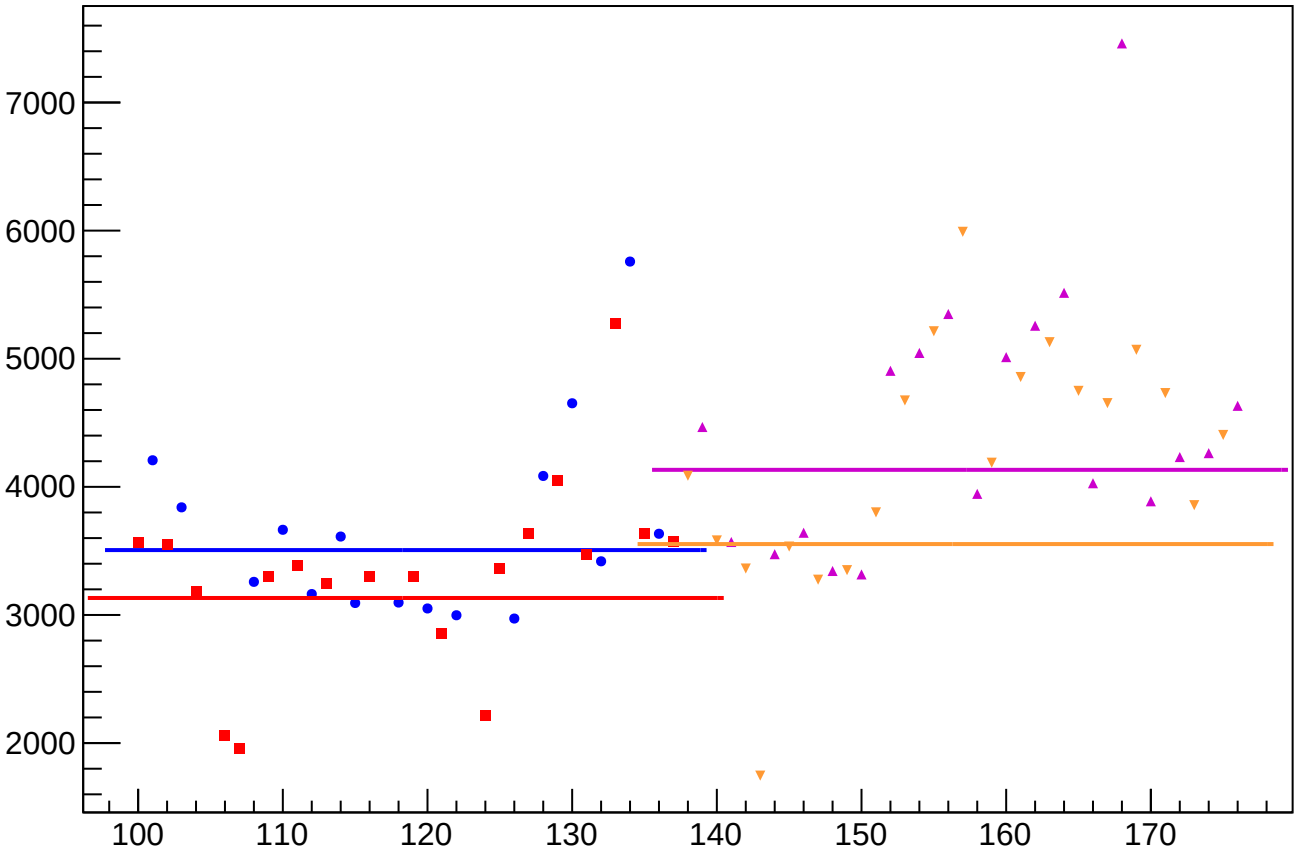
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 374.550+/-1071.131 χ^2/NDF:12.1/18

+ sign 143.749+/-770.092 χ^2/NDF: 39.1/35

All: 111.854+/-552.819 χ^2/NDF: 70.0/73

- sign 77.942+/-794.068 χ^2/NDF: 30.9/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

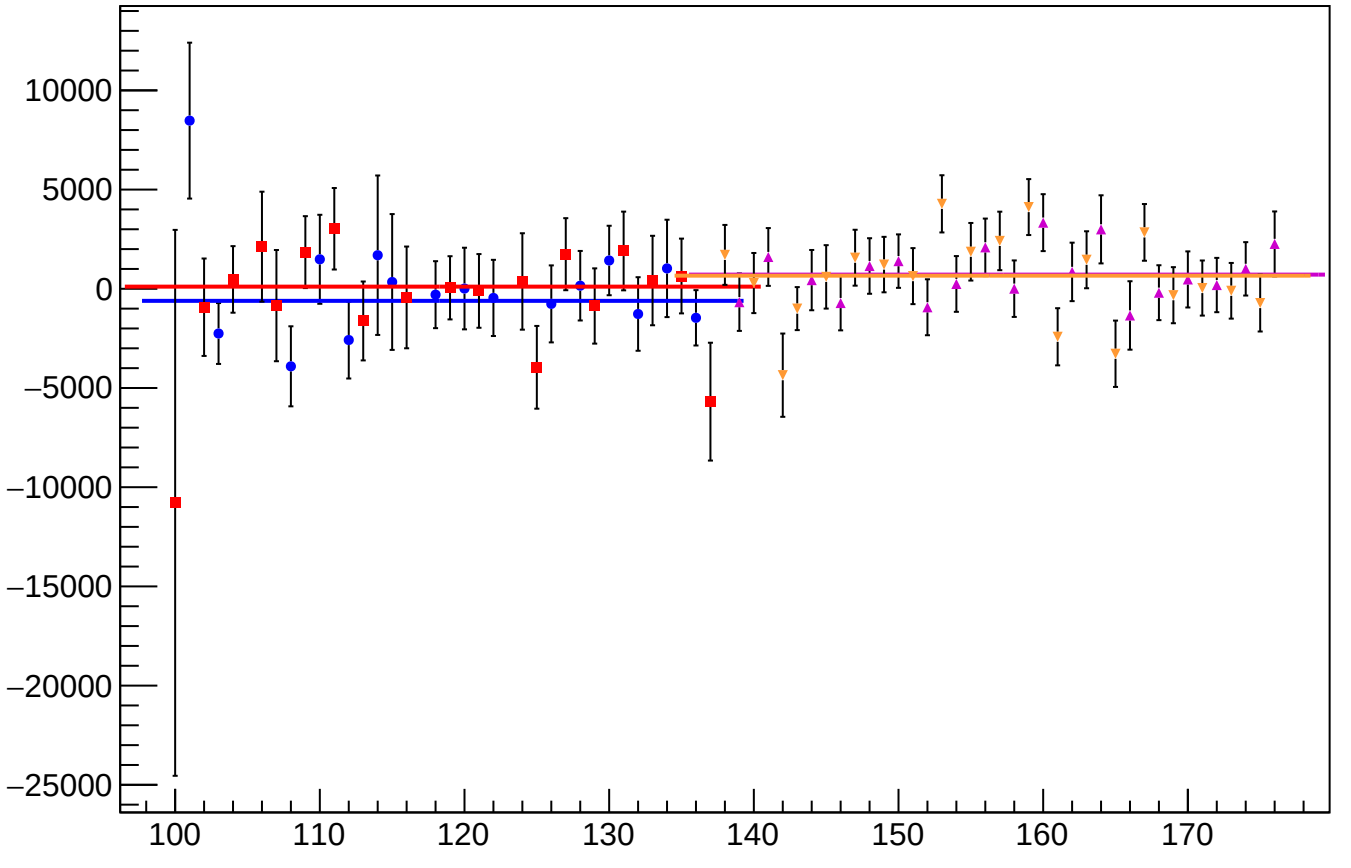
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

+ sign 3537.549+/-0.545 χ^2/NDF: 3463190.0/35

All: 3607.702+/-0.391 χ^2/NDF: 6038880.3/73

- sign 3682.290+/-0.561 χ^2/NDF: 2541446.9/37



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.416+/-322.595 χ^2/NDF:38.3/19

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

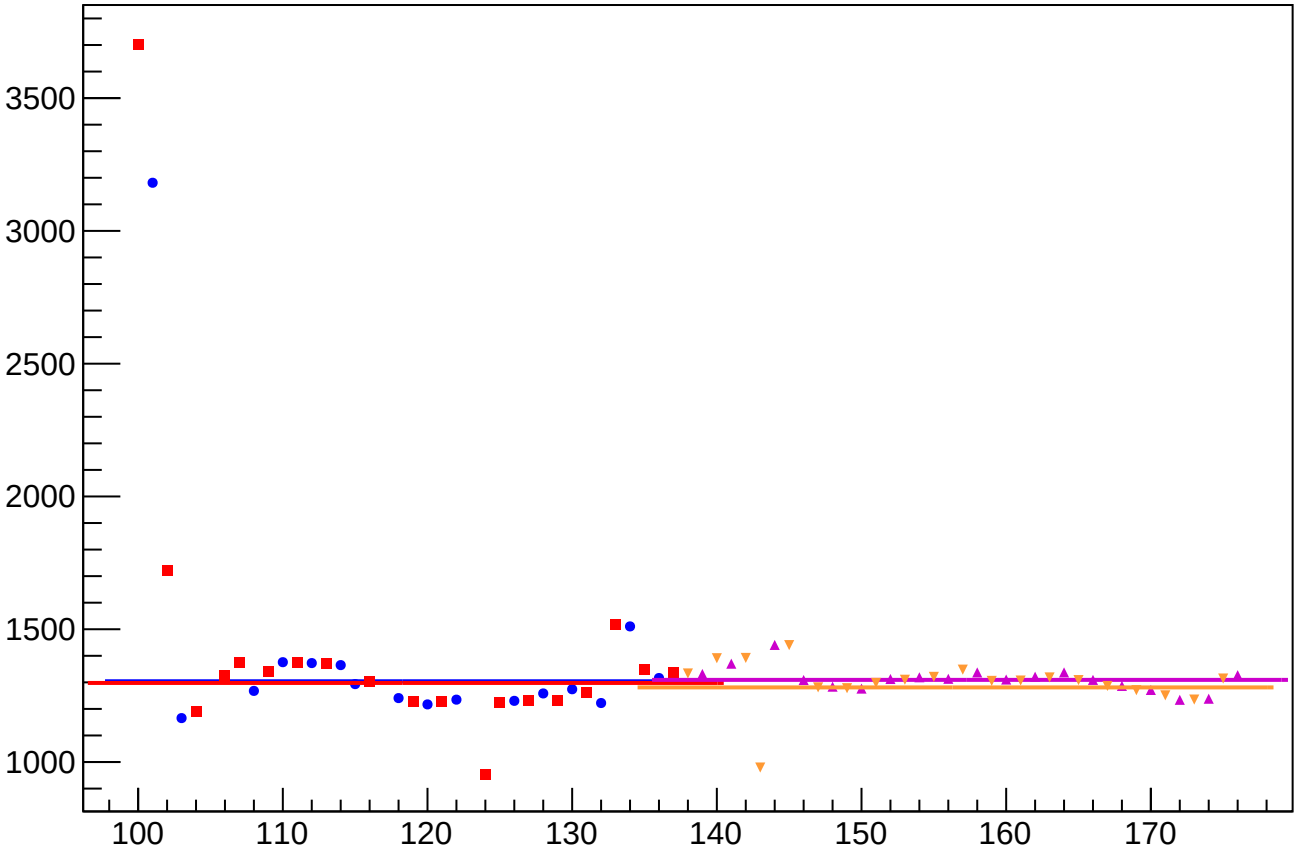
Left In: 714.051+/-332.363 χ^2/NDF:13.5/18

\+ sign 282.163+/-270.134 χ^2/NDF: 57.0/35

All: 399.712+/-192.457 χ^2/NDF: 86.8/73

\- sign 520.884+/-274.264 χ^2/NDF: 29.4/37

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207501.3/19

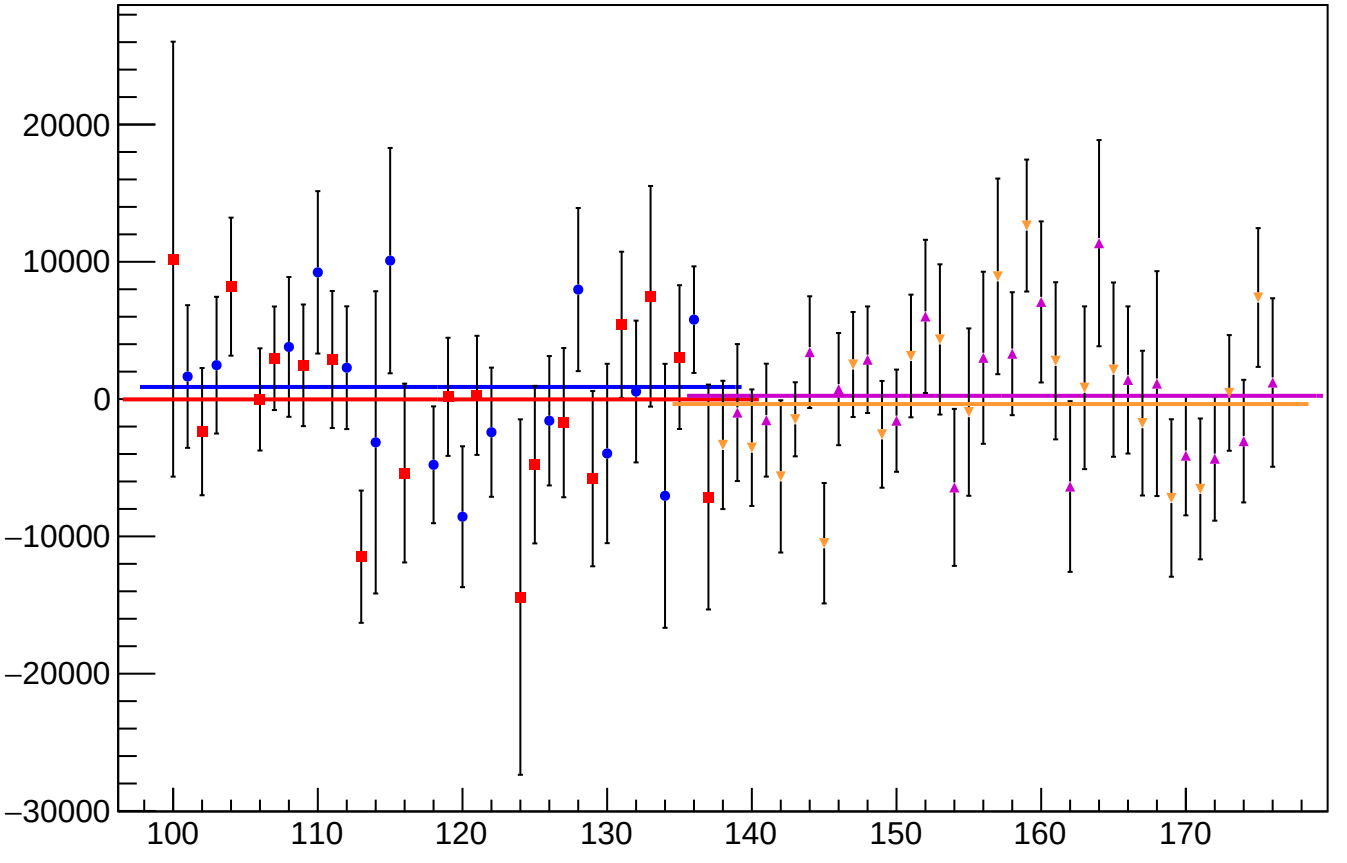
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1309.347+/-0.235 χ^2/NDF:36214.4/18

+ sign 1287.885+/-0.191 χ^2/NDF: 721162.3/35

All: 1296.639+/-0.136 χ^2/NDF: 975509.0/73

- sign 1305.658+/-0.194 χ^2/NDF: 250082.8/37



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -361.243+/-1045.588 χ^2/NDF:24.5/19

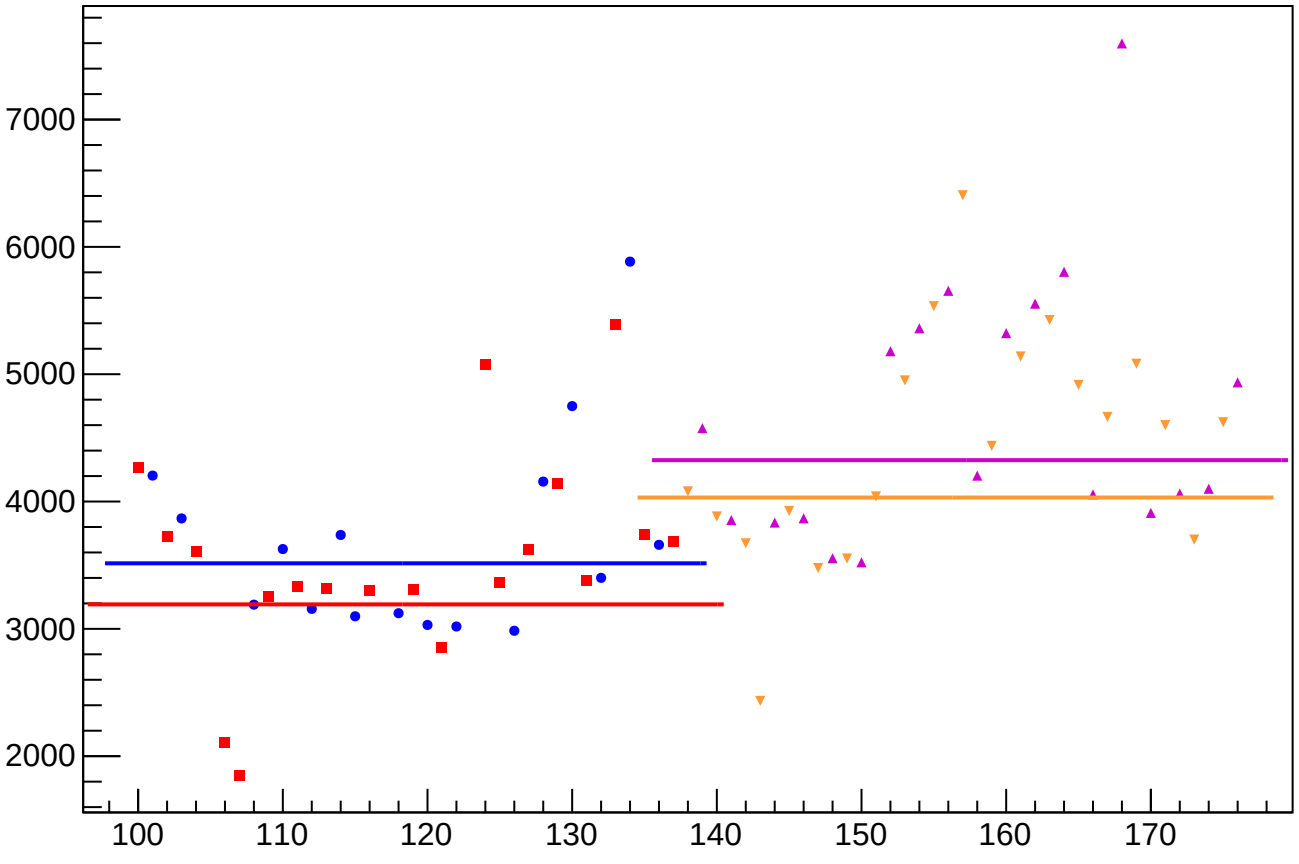
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 239.932+/-1120.053 χ^2/NDF:12.0/18

+ sign 115.575+/-821.373 χ^2/NDF: 39.2/35

All: 117.091+/-579.889 χ^2/NDF: 68.0/73

- sign 118.597+/-818.808 χ^2/NDF: 28.9/37



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4031.441+/-0.739 χ^2/NDF:1584886.0/19

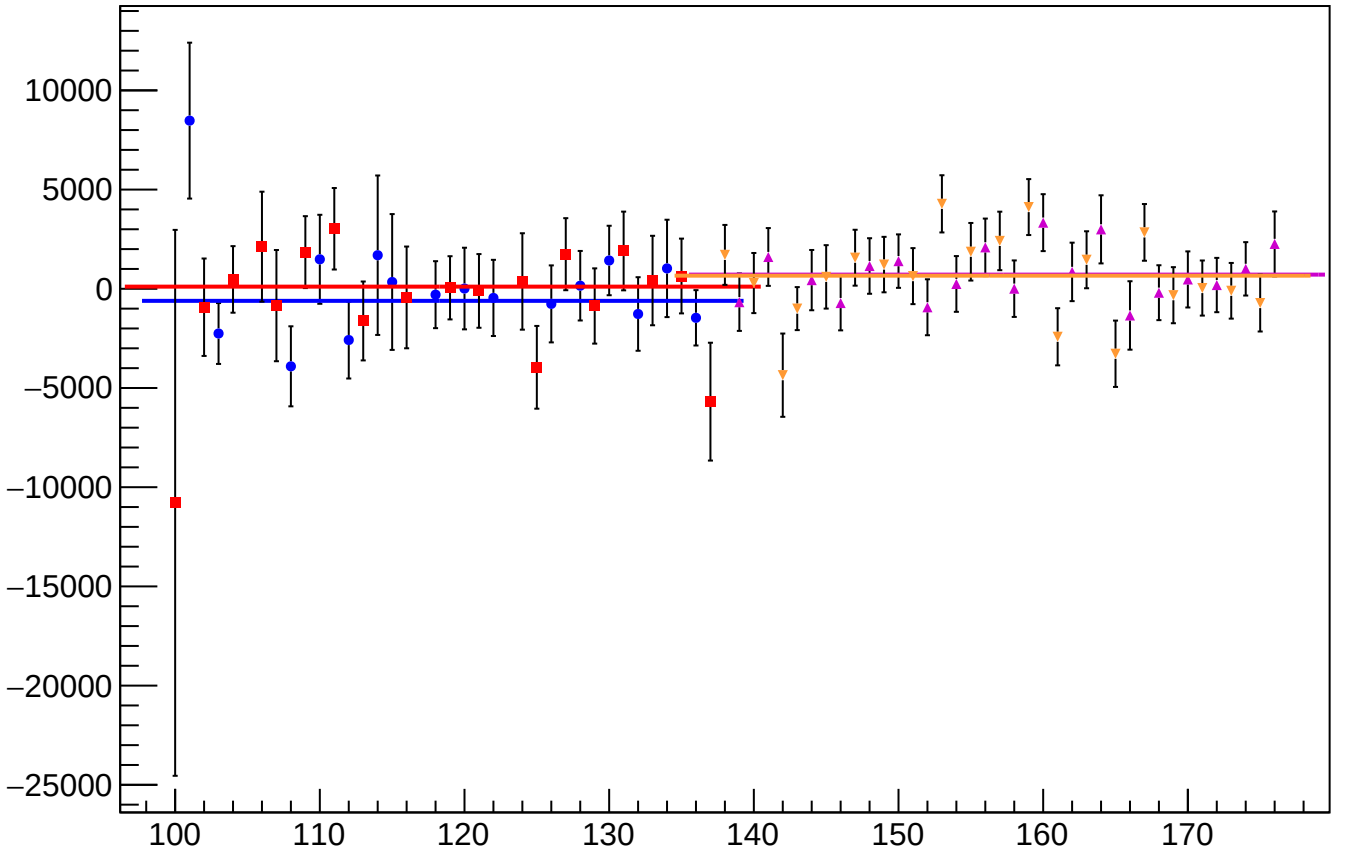
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4324.914+/-0.792 χ^2/NDF:1048985.0/18

\+ sign 3833.602+/-0.581 χ^2/NDF: 2146971.3/35

All: 3815.520+/-0.410 χ^2/NDF: 4922699.1/73

\- sign 3797.551+/-0.579 χ^2/NDF: 2773795.3/37



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.419+/-322.596 χ^2/NDF:38.3/19

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

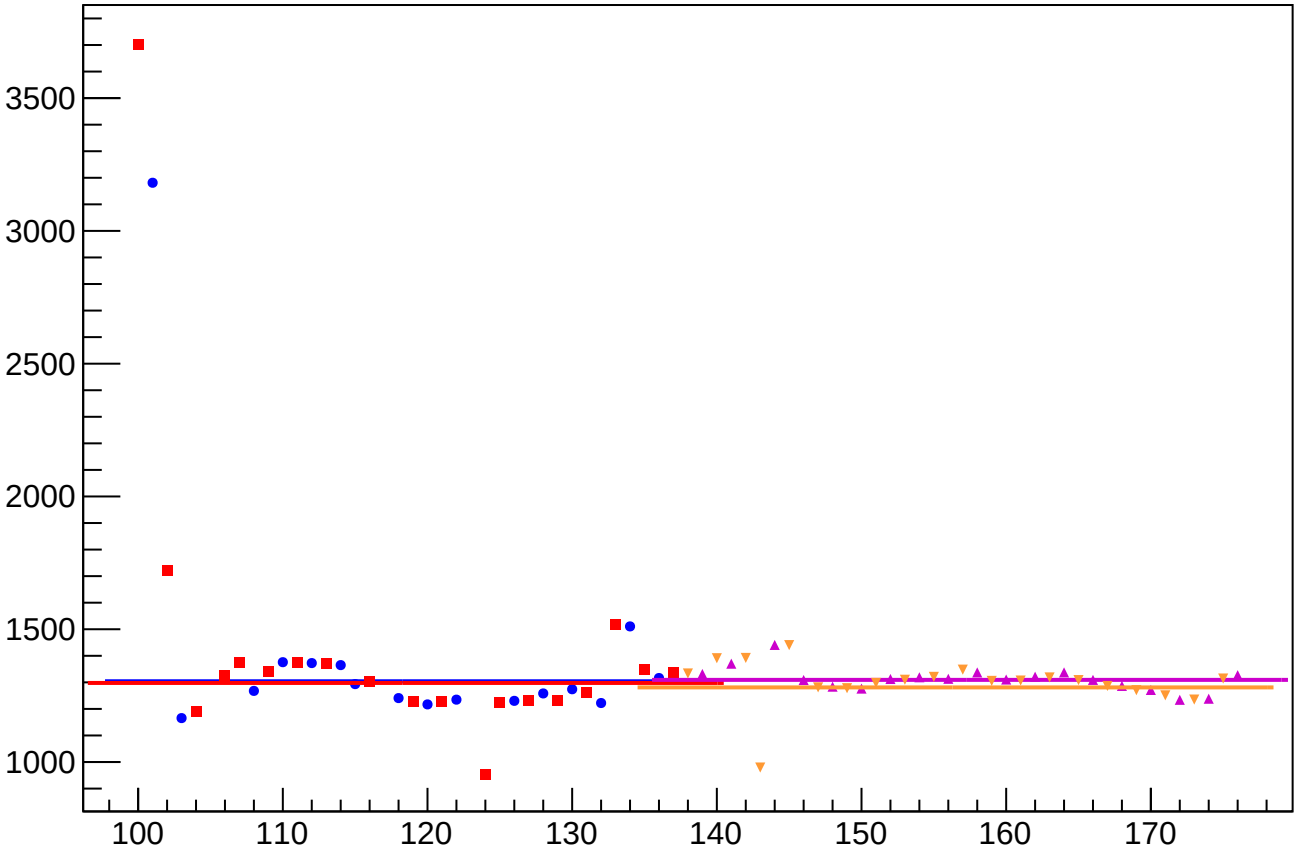
Left In: 714.052+/-332.363 χ^2/NDF:13.5/18

+ sign 282.163+/-270.134 χ^2/NDF: 57.0/35

All: 399.714+/-192.457 χ^2/NDF: 86.8/73

- sign 520.886+/-274.264 χ^2/NDF: 29.4/37

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: 1280.975+/-0.228 χ^2/NDF:207502.5/19

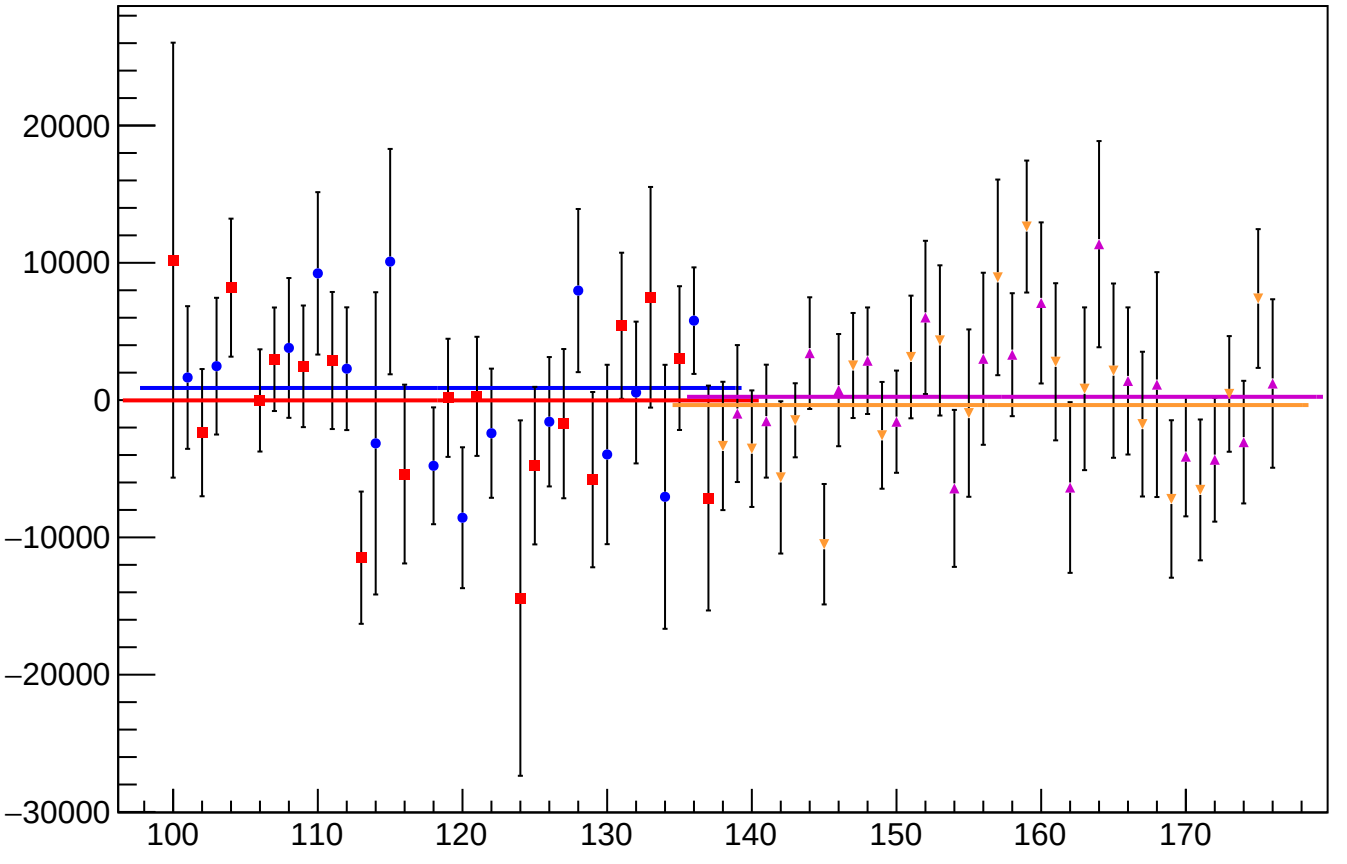
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1309.348+/-0.235 χ^2/NDF:36215.6/18

+ sign 1287.886+/-0.191 χ^2/NDF: 721163.4/35

All: 1296.639+/-0.136 χ^2/NDF: 975511.6/73

- sign 1305.658+/-0.194 χ^2/NDF: 250084.2/37



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -361.241+/-1045.589 χ^2/NDF:24.5/19

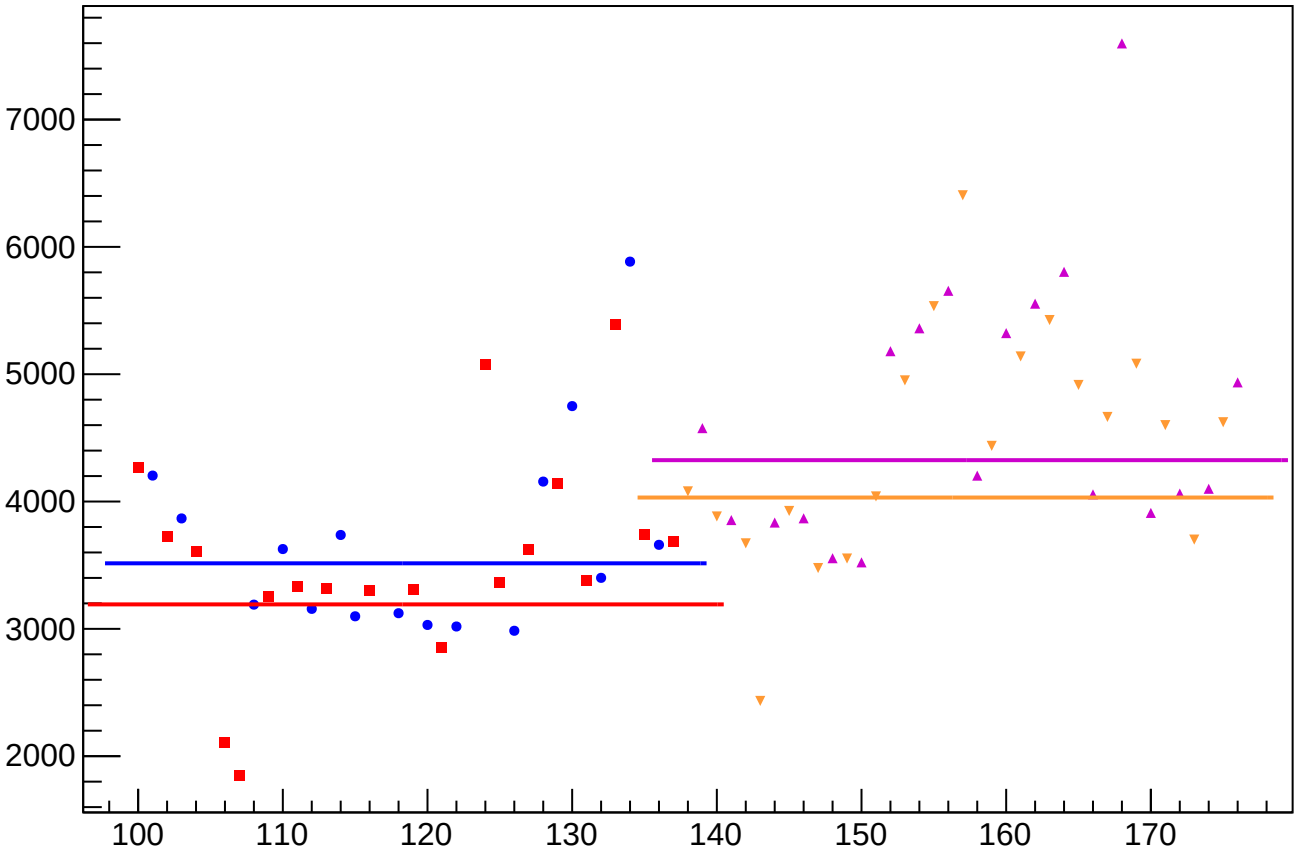
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 239.931+/-1120.055 χ^2/NDF:12.0/18

+ sign 115.574+/-821.373 χ^2/NDF: 39.2/35

All: 117.091+/-579.889 χ^2/NDF: 68.0/73

- sign 118.598+/-818.807 χ^2/NDF: 28.9/37



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4031.448+/-0.739 χ^2/NDF:1584887.1/19

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

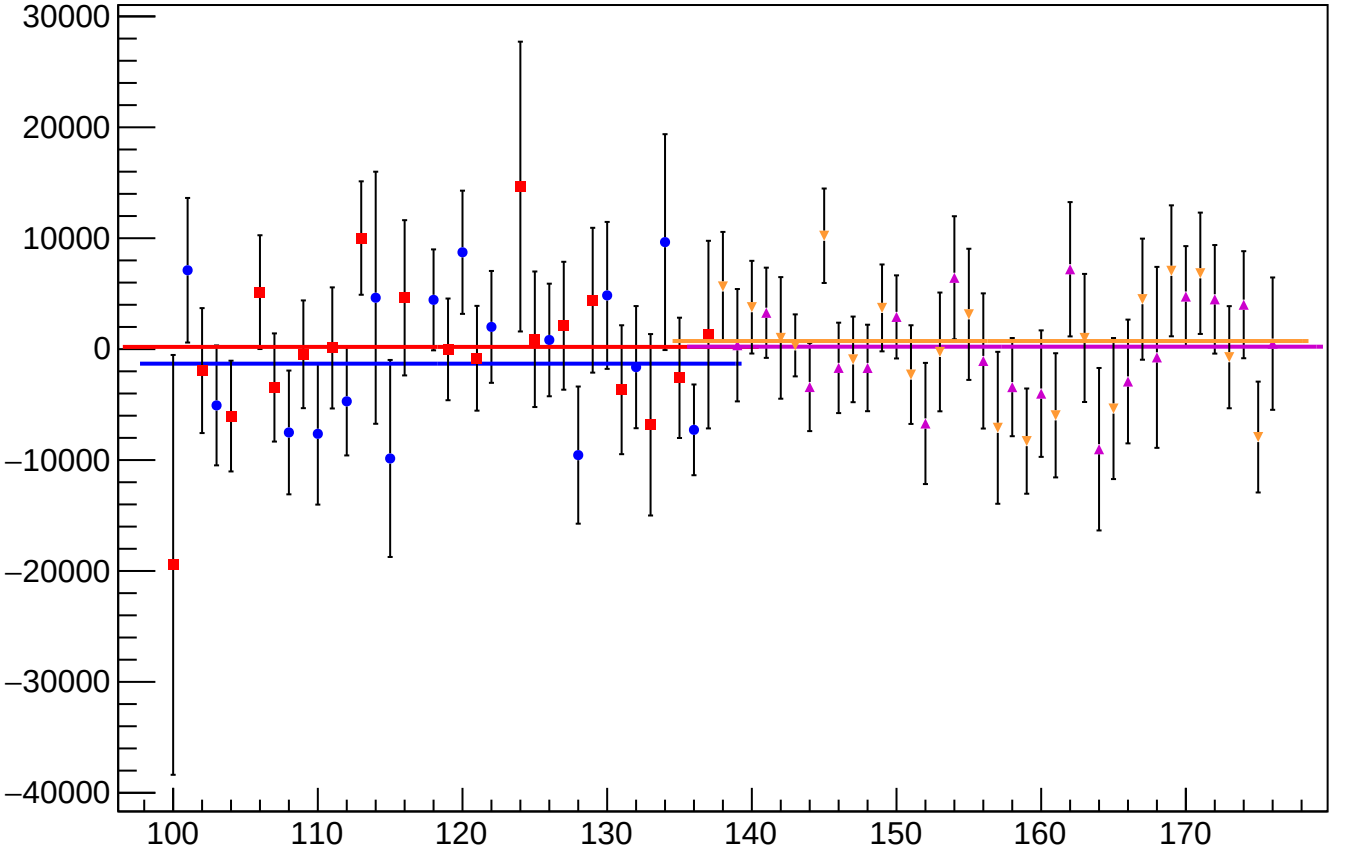
Left In: 4324.920+/-0.792 χ^2/NDF:1048987.2/18

+ sign 3833.601+/-0.581 χ^2/NDF: 2146988.1/35

All: 3815.519+/-0.410 χ^2/NDF: 4922745.6/73

- sign 3797.549+/-0.579 χ^2/NDF: 2773824.8/37

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 730.737+/-1056.069 χ^2/NDF:21.2/19

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

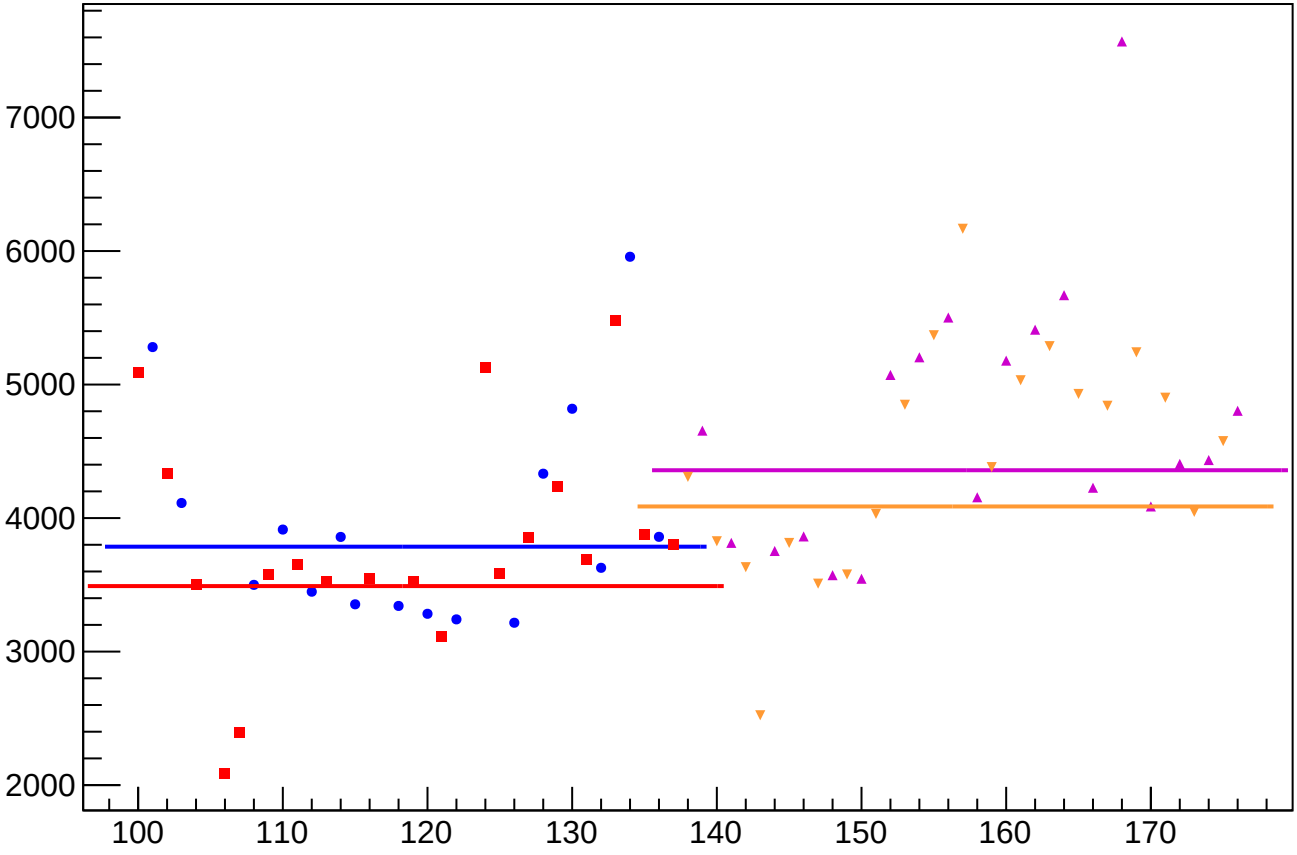
Left In: 220.440+/-1125.949 χ^2/NDF:12.1/18

\+ sign 11.814+/-849.857 χ^2/NDF: 40.1/35

All: 110.908+/-604.835 χ^2/NDF: 63.9/73

\- sign 212.614+/-860.983 χ^2/NDF: 23.8/37

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4086.971+/-0.747 χ^2/NDF:1422530.3/19

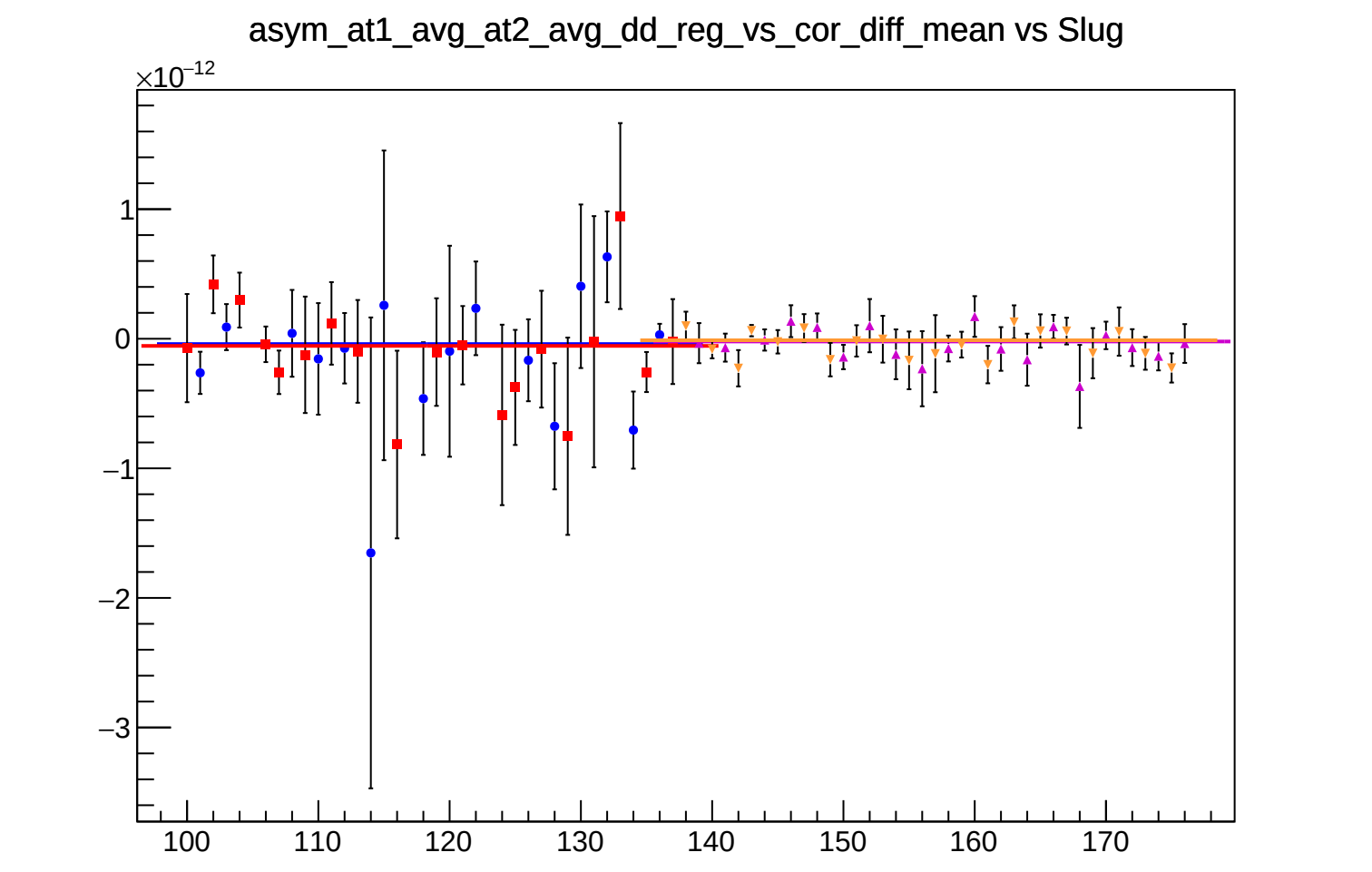
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4358.299+/-0.796 χ^2/NDF:945027.1/18

+ sign 3980.828+/-0.601 χ^2/NDF: 1862853.9/35

All: 3986.460+/-0.426 χ^2/NDF: 3895943.0/73

- sign 3992.174+/-0.605 χ^2/NDF: 2032912.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/19

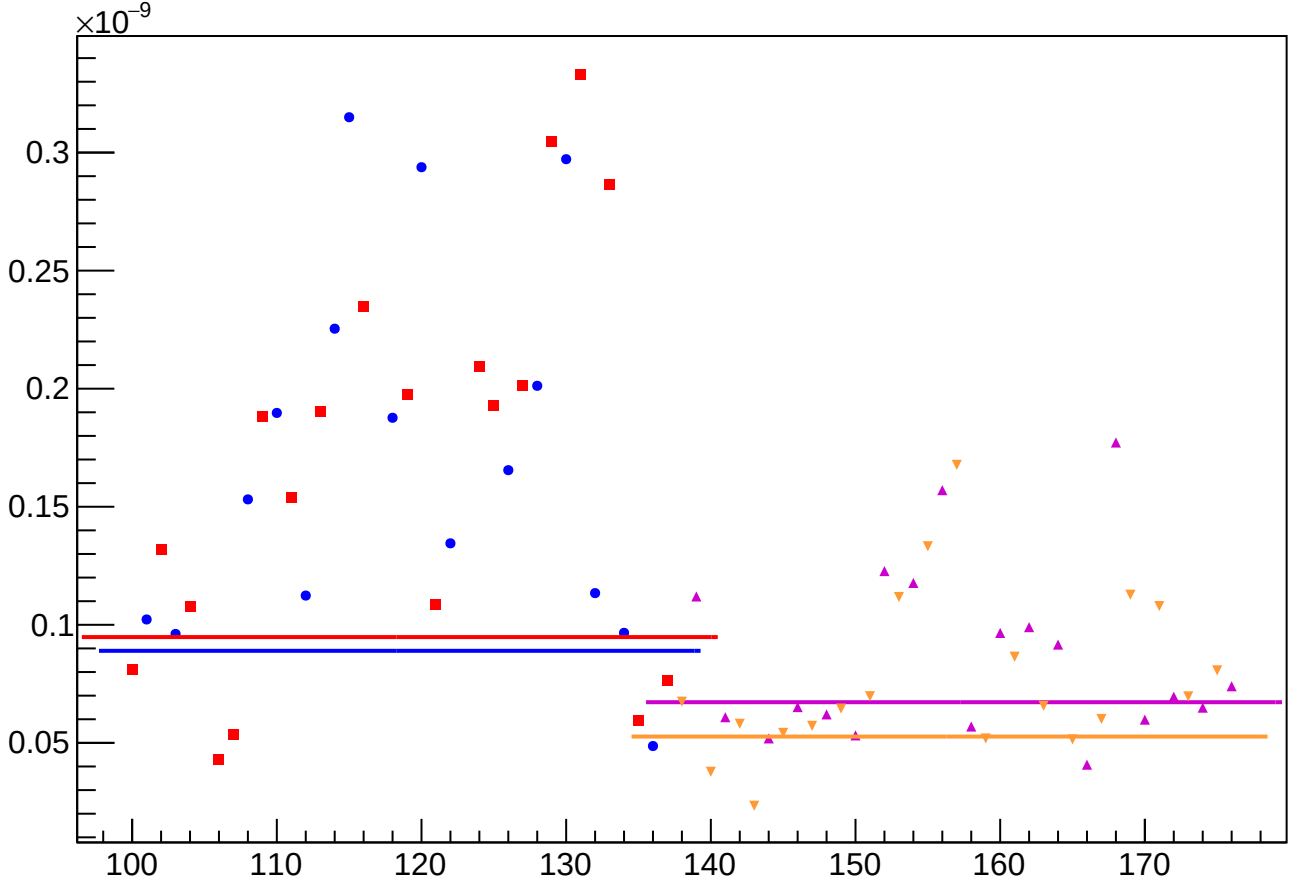
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/35

All: -0.000+/-0.000 χ^2/NDF: 63.6/73

- sign -0.000+/-0.000 χ^2/NDF: 28.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2521984.4/19

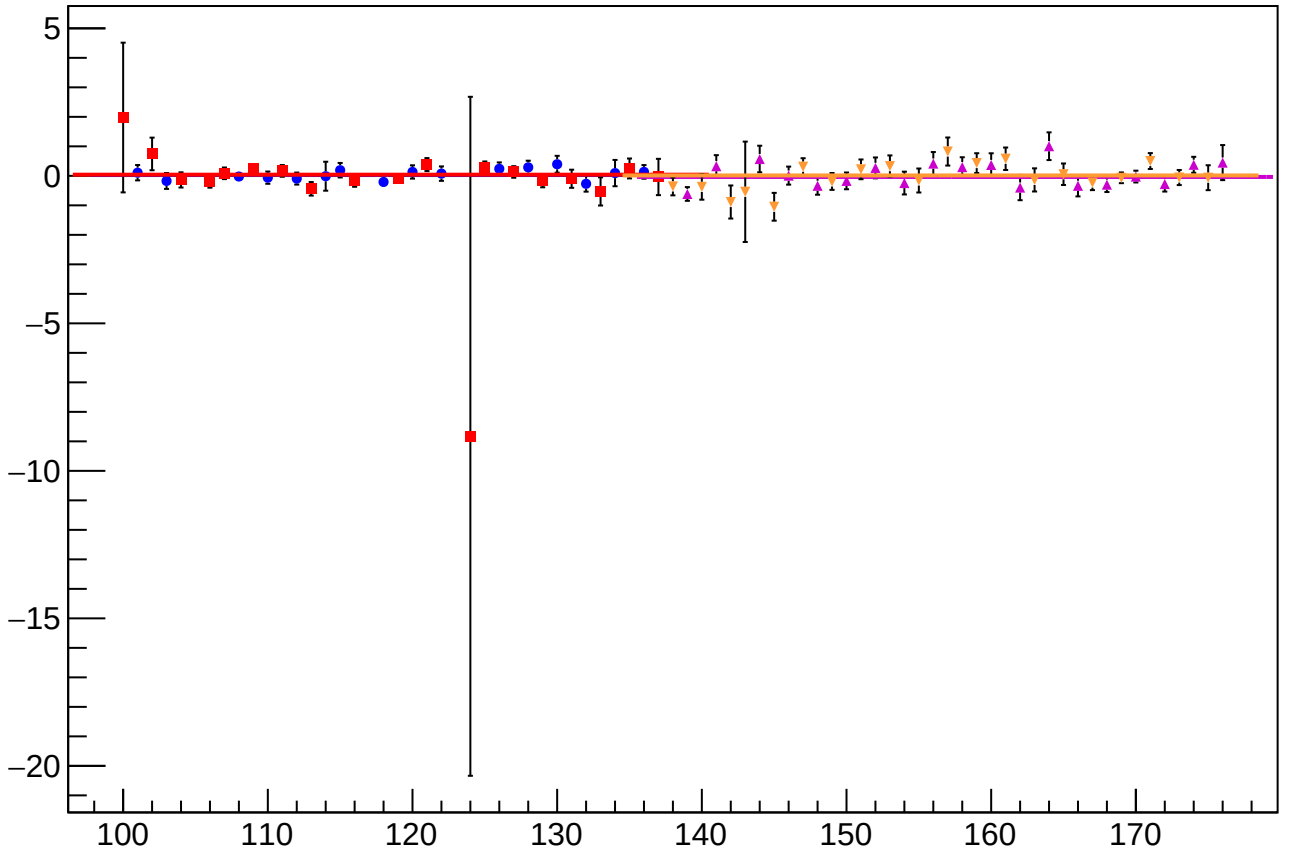
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1380140.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 4636836.9/35

All: 0.000+/-0.000 χ^2/NDF: 8408038.5/73

- sign 0.000+/-0.000 χ^2/NDF: 3423726.1/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

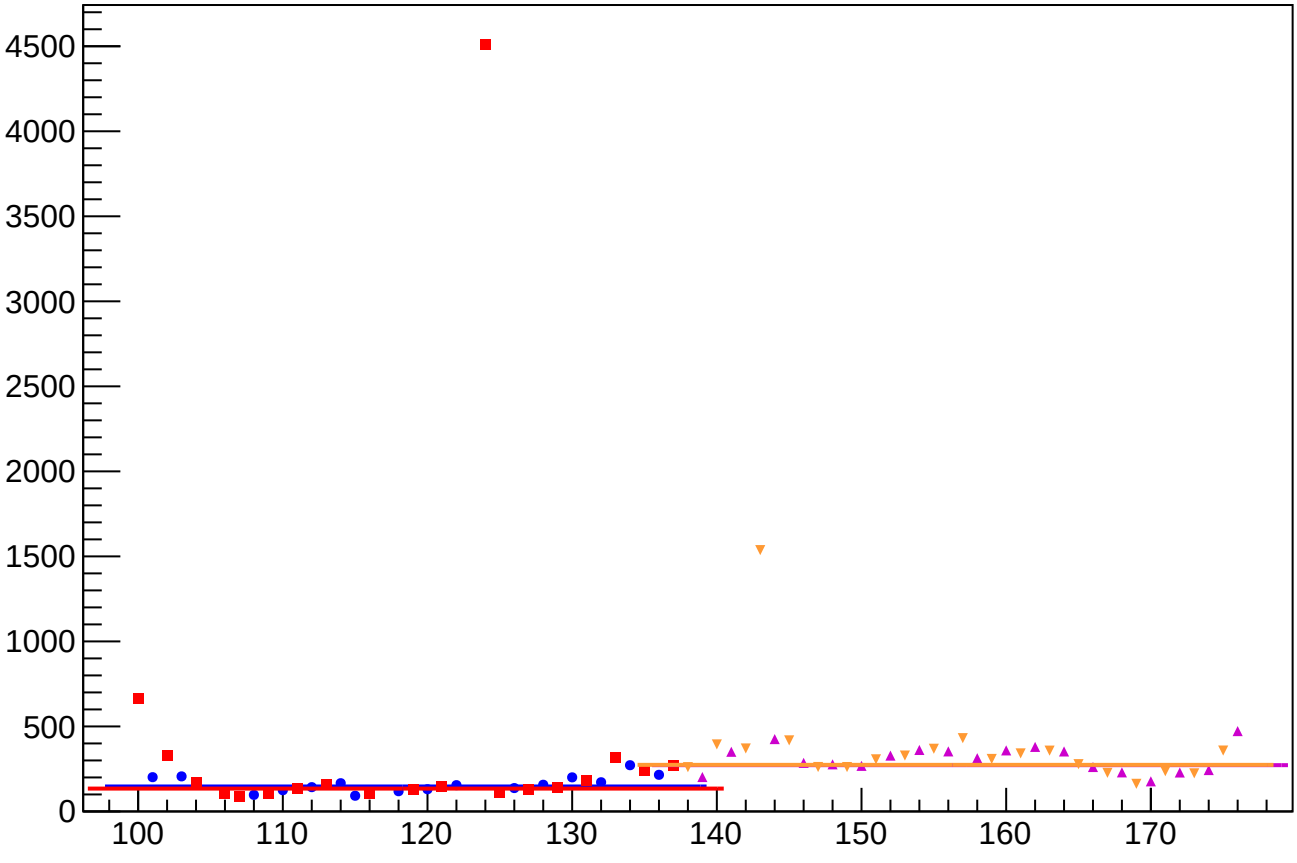
Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.017+/-0.031 χ^2/NDF: 80.3/73

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37

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: 274.041+/-0.052 χ^2/NDF:3092245.2/19

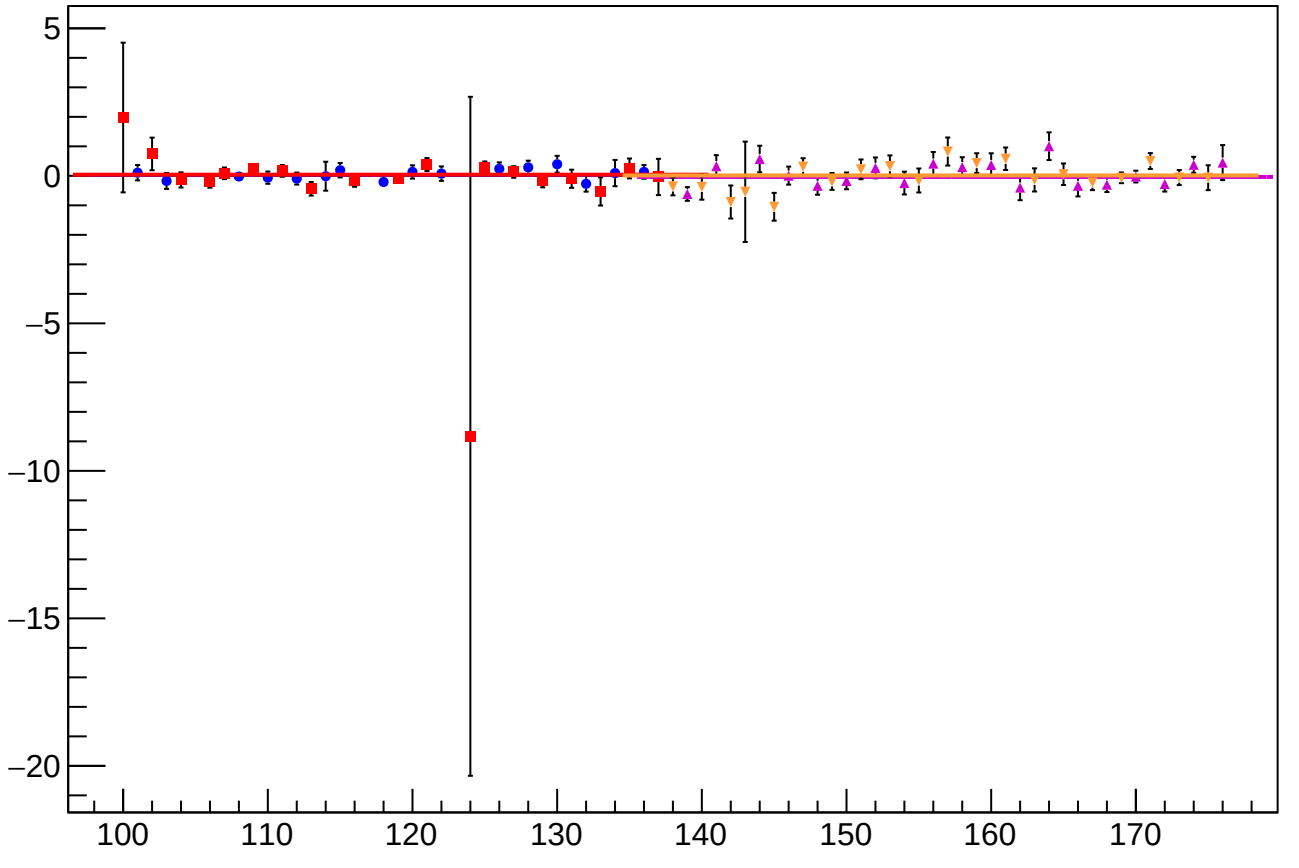
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

+ sign 195.414+/-0.032 χ^2/NDF: 7803505.3/35

All: 189.900+/-0.022 χ^2/NDF: 15961170.6/73

- sign 184.794+/-0.031 χ^2/NDF: 8100751.7/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

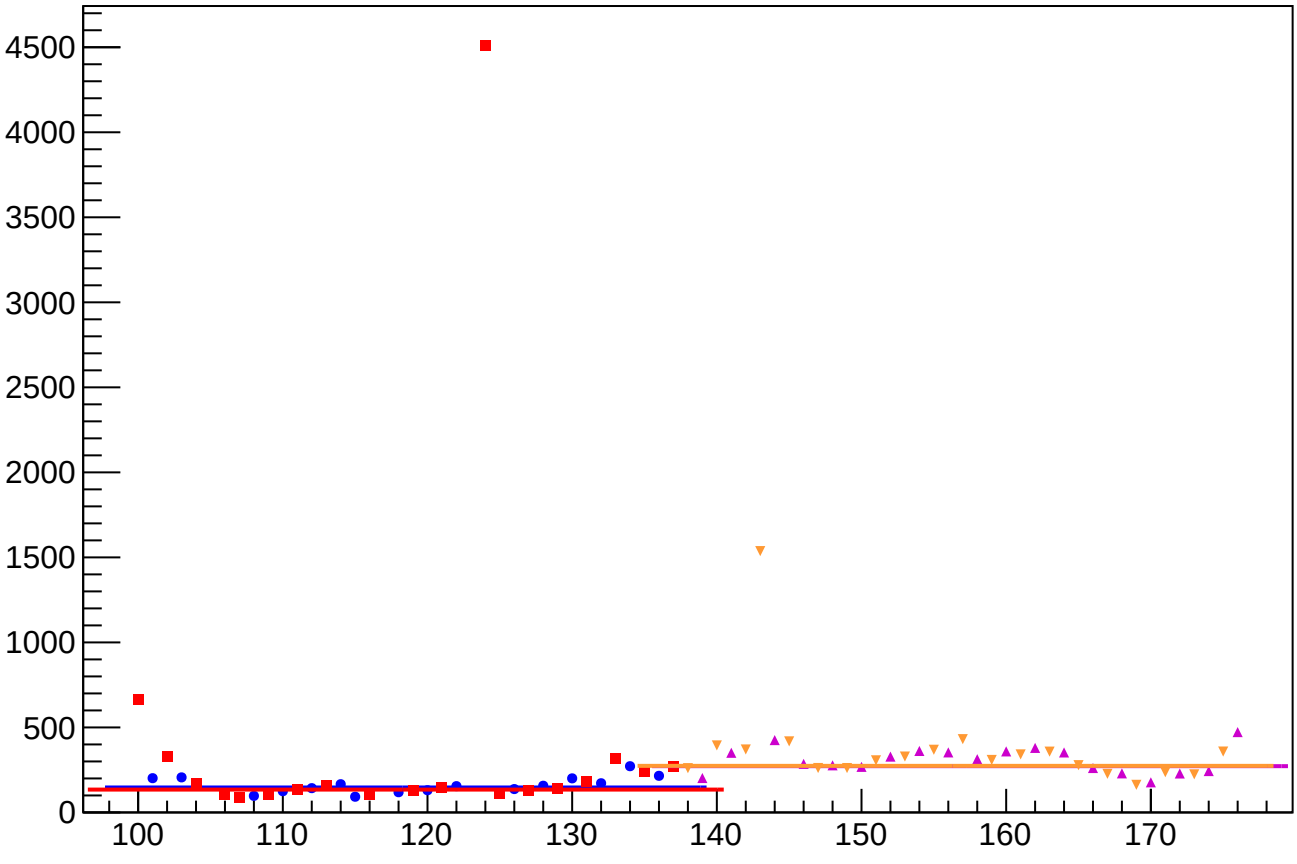
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.017+/-0.031 χ^2/NDF: 80.3/73

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

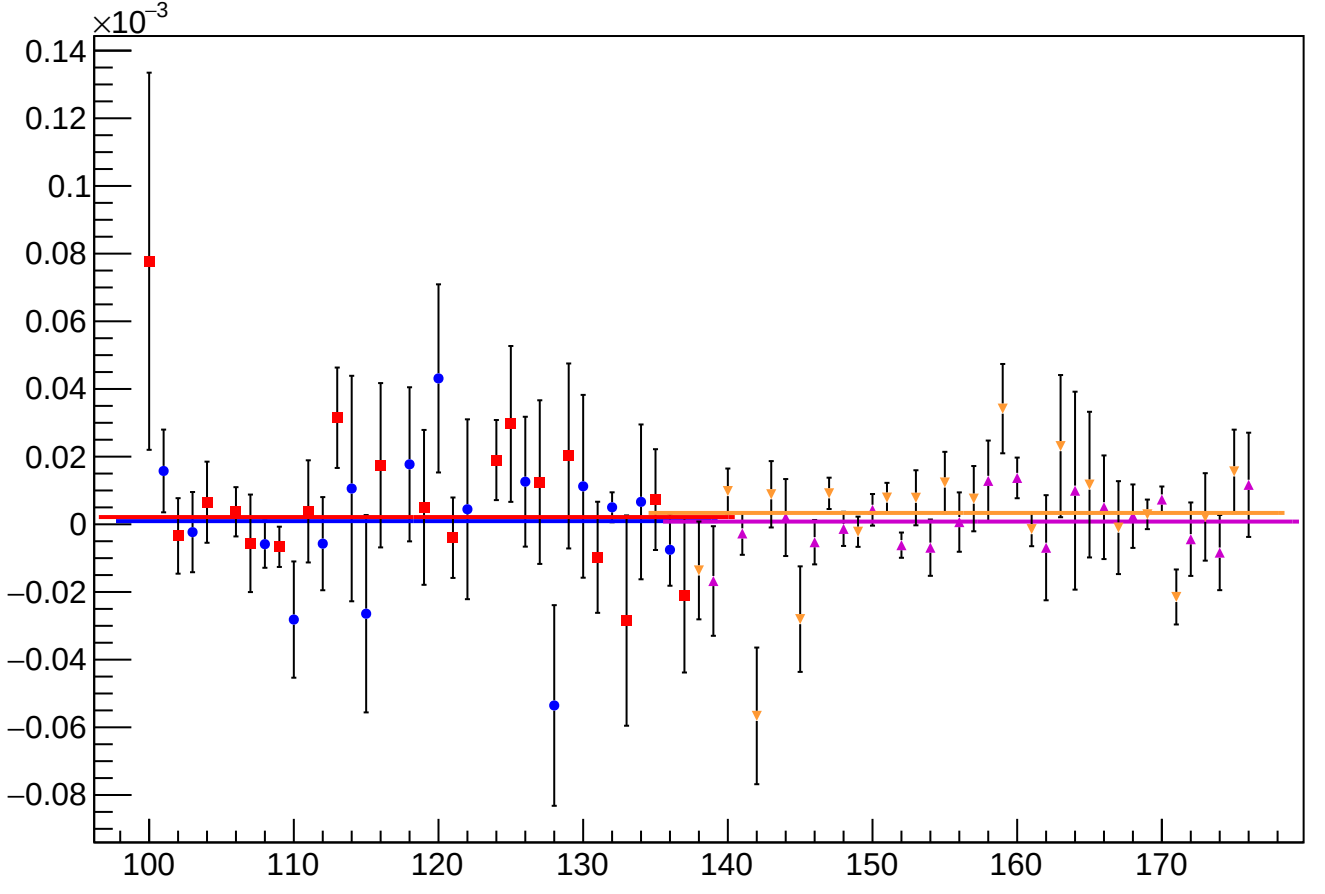
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

+ sign 195.414+/-0.032 χ^2/NDF: 7803505.3/35

All: 189.900+/-0.022 χ^2/NDF: 15961170.6/73

- sign 184.794+/-0.031 χ^2/NDF: 8100751.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.0/19

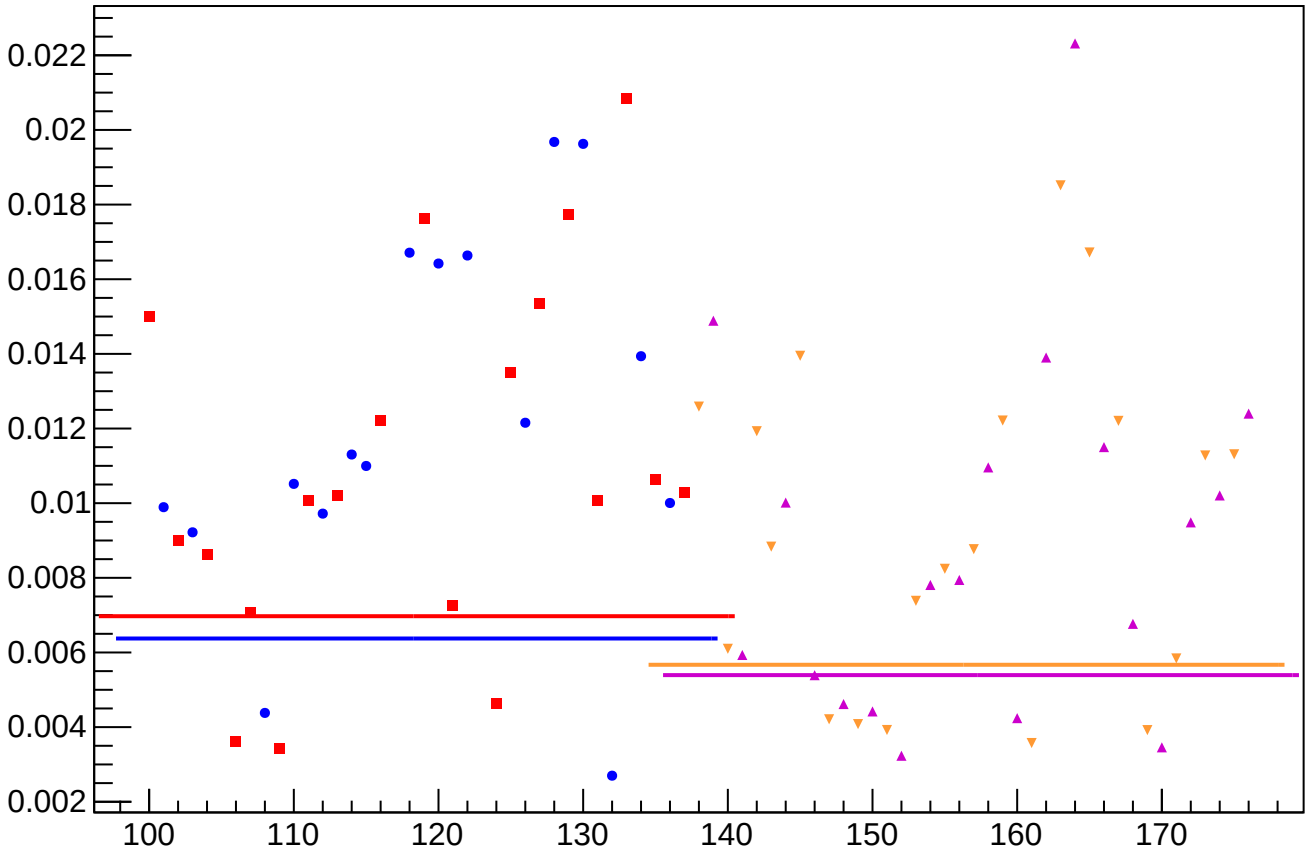
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 54.4/35

All: 0.000+/-0.000 χ^2/NDF: 89.1/73

- sign 0.000+/-0.000 χ^2/NDF: 34.0/37



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6338818.3/19

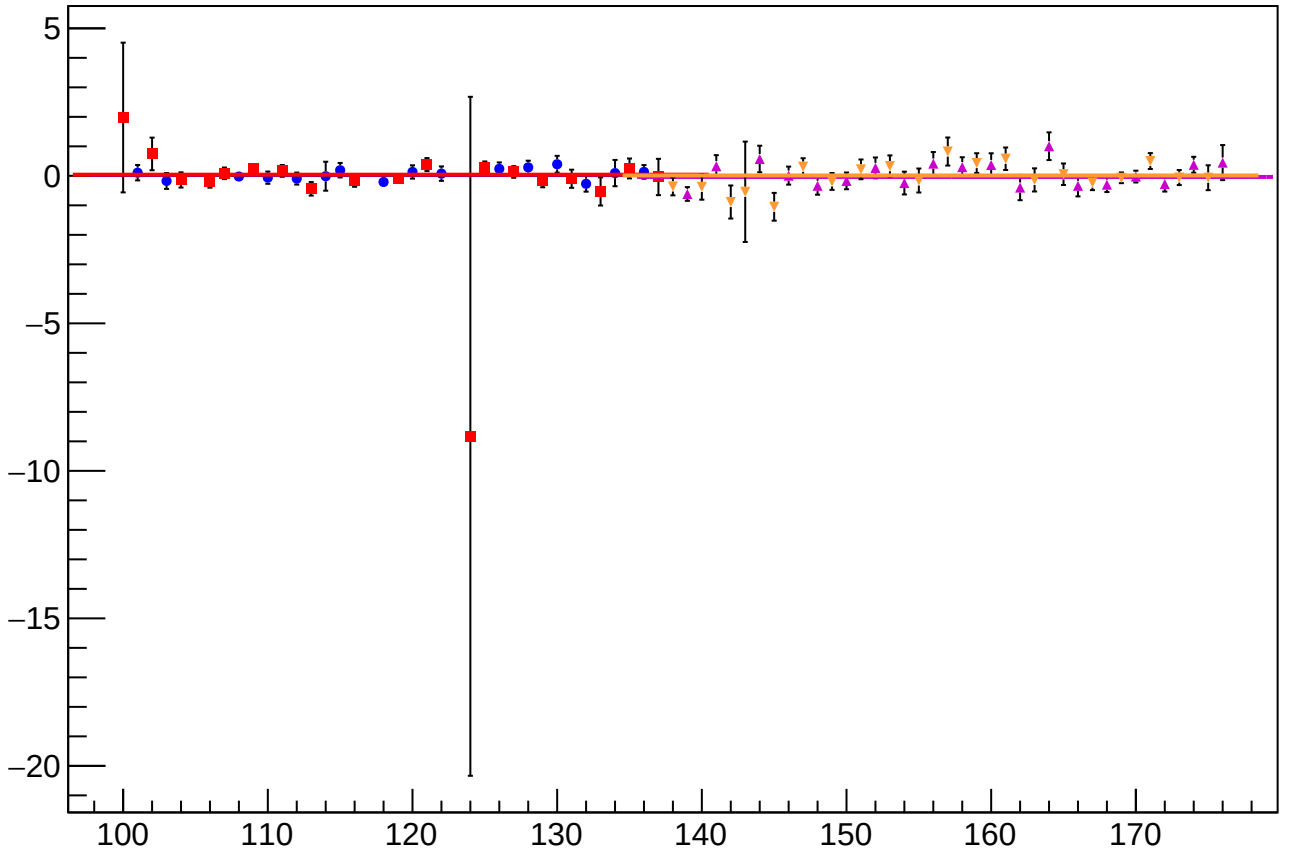
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5892788.8/18

+ sign 0.006+/-0.000 χ^2/NDF: 11066298.4/35

All: 0.006+/-0.000 χ^2/NDF: 20800993.9/73

- sign 0.006+/-0.000 χ^2/NDF: 9729965.7/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

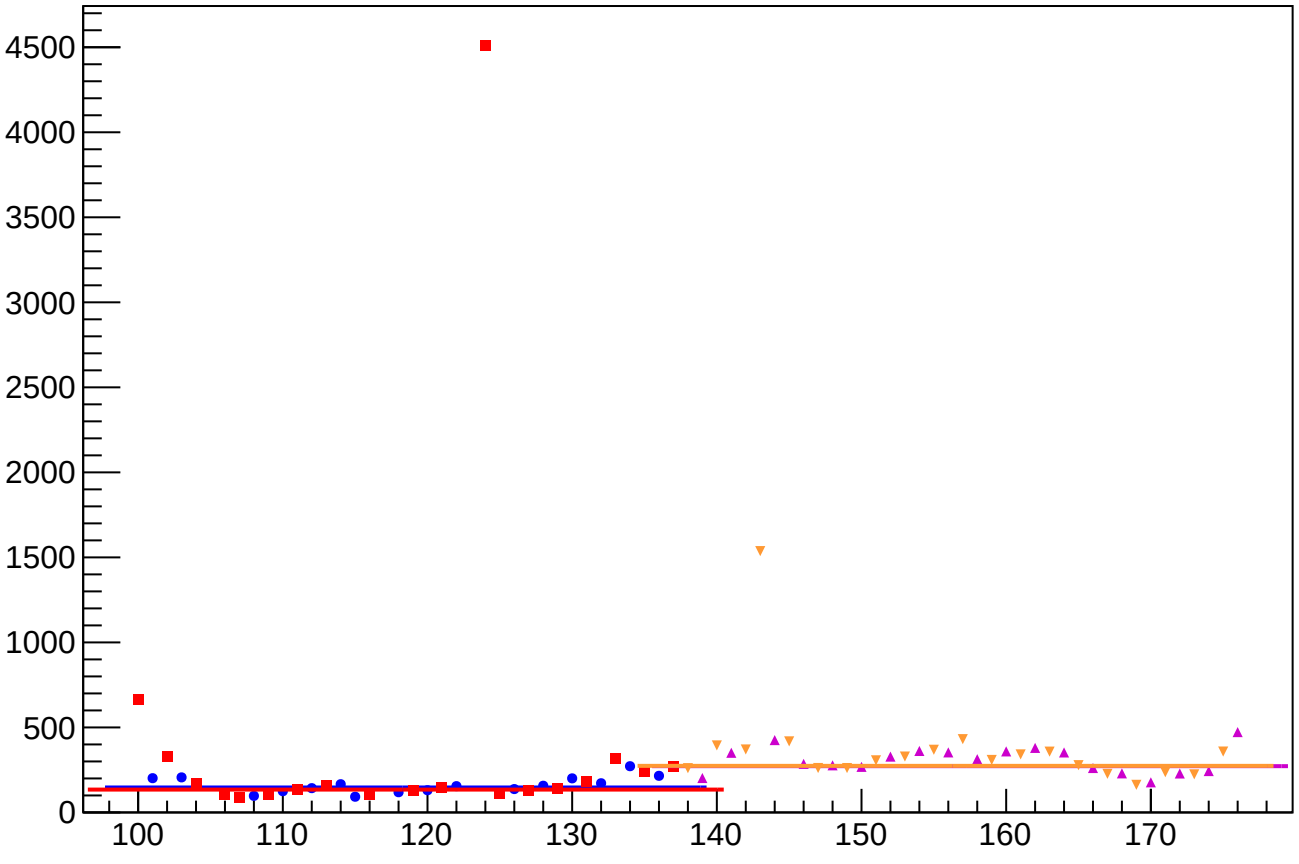
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.017+/-0.031 χ^2/NDF: 80.3/73

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

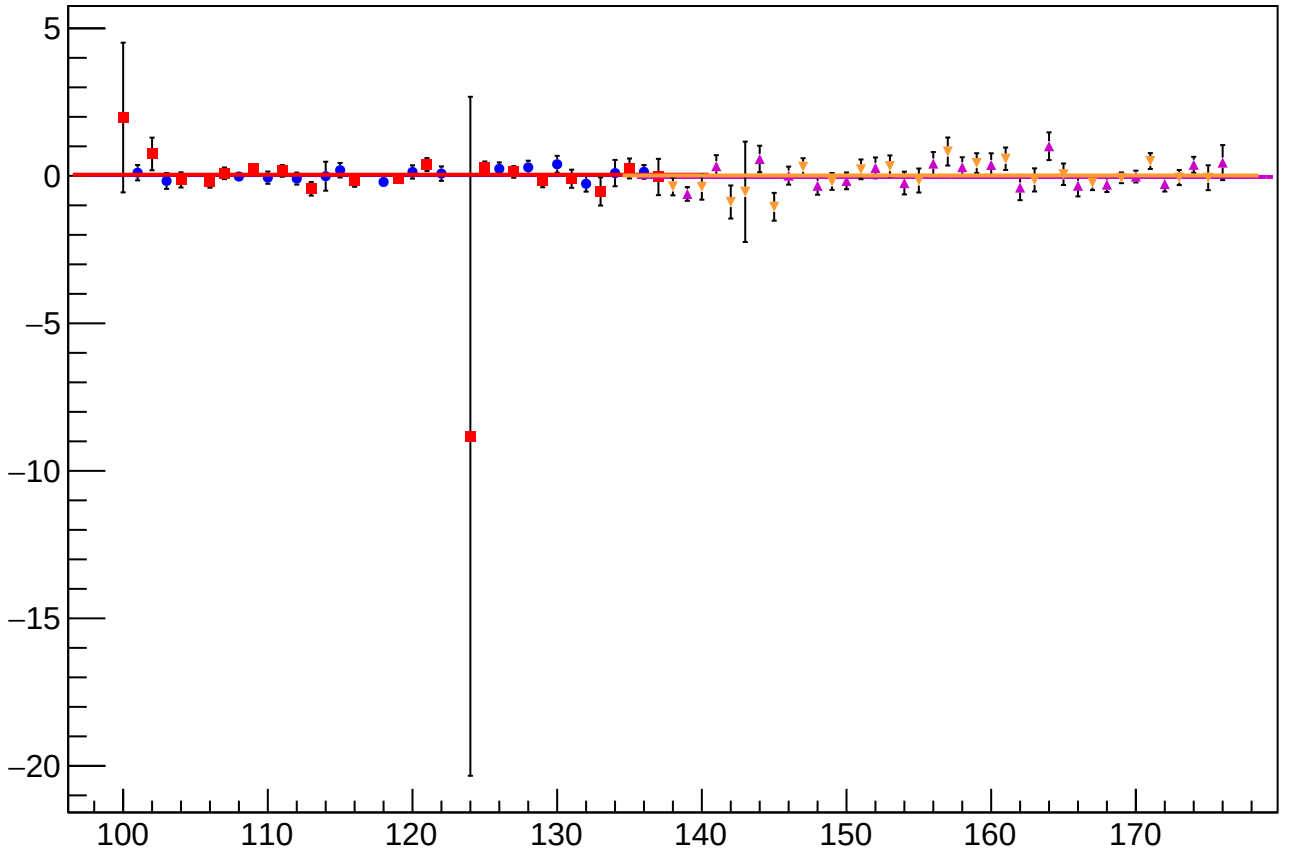
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

+ sign 195.414+/-0.032 χ^2/NDF: 7803580.4/35

All: 189.900+/-0.022 χ^2/NDF: 15961179.8/73

- sign 184.796+/-0.031 χ^2/NDF: 8100703.5/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

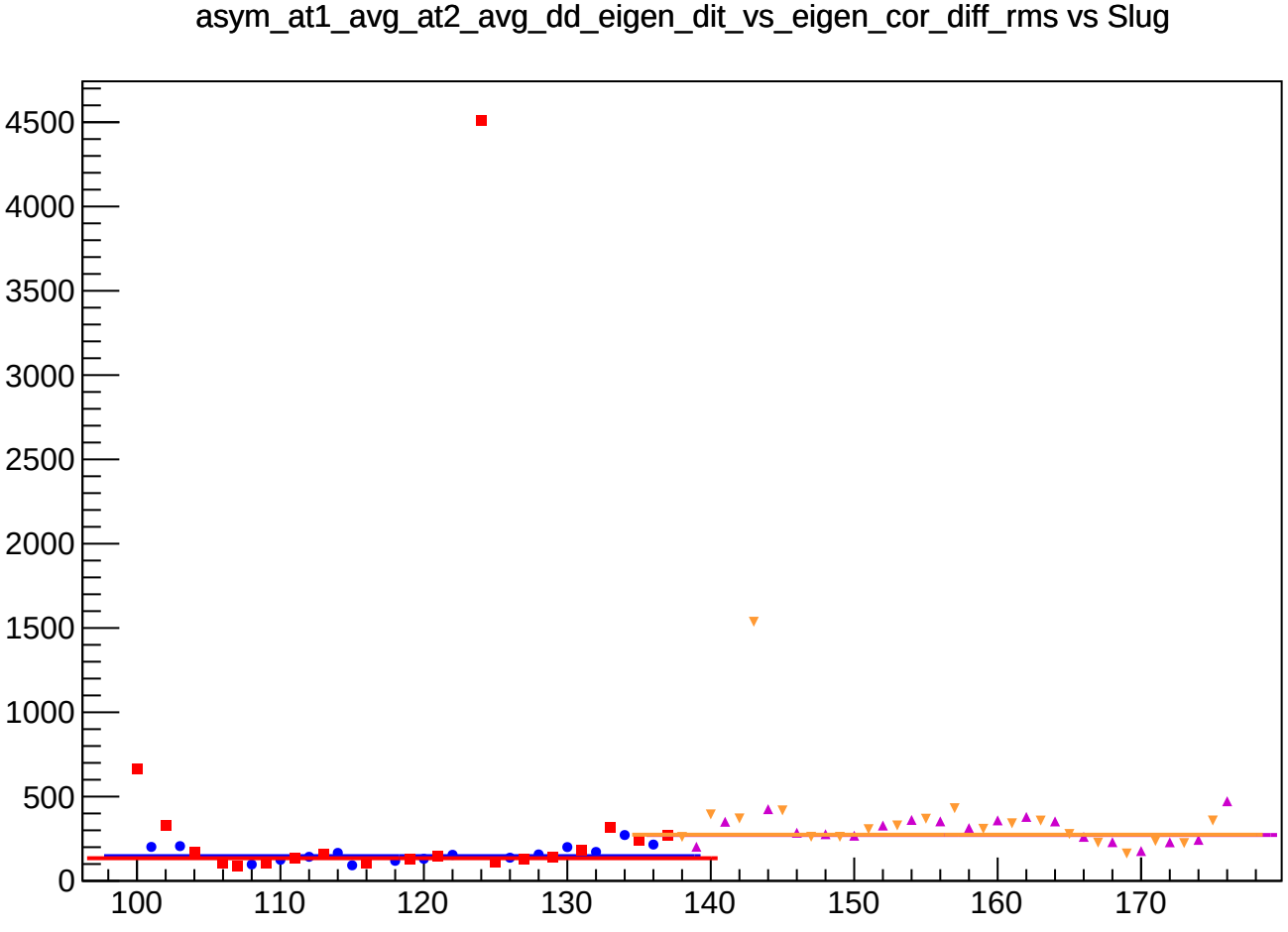
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.017+/-0.031 χ^2/NDF: 80.3/73

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

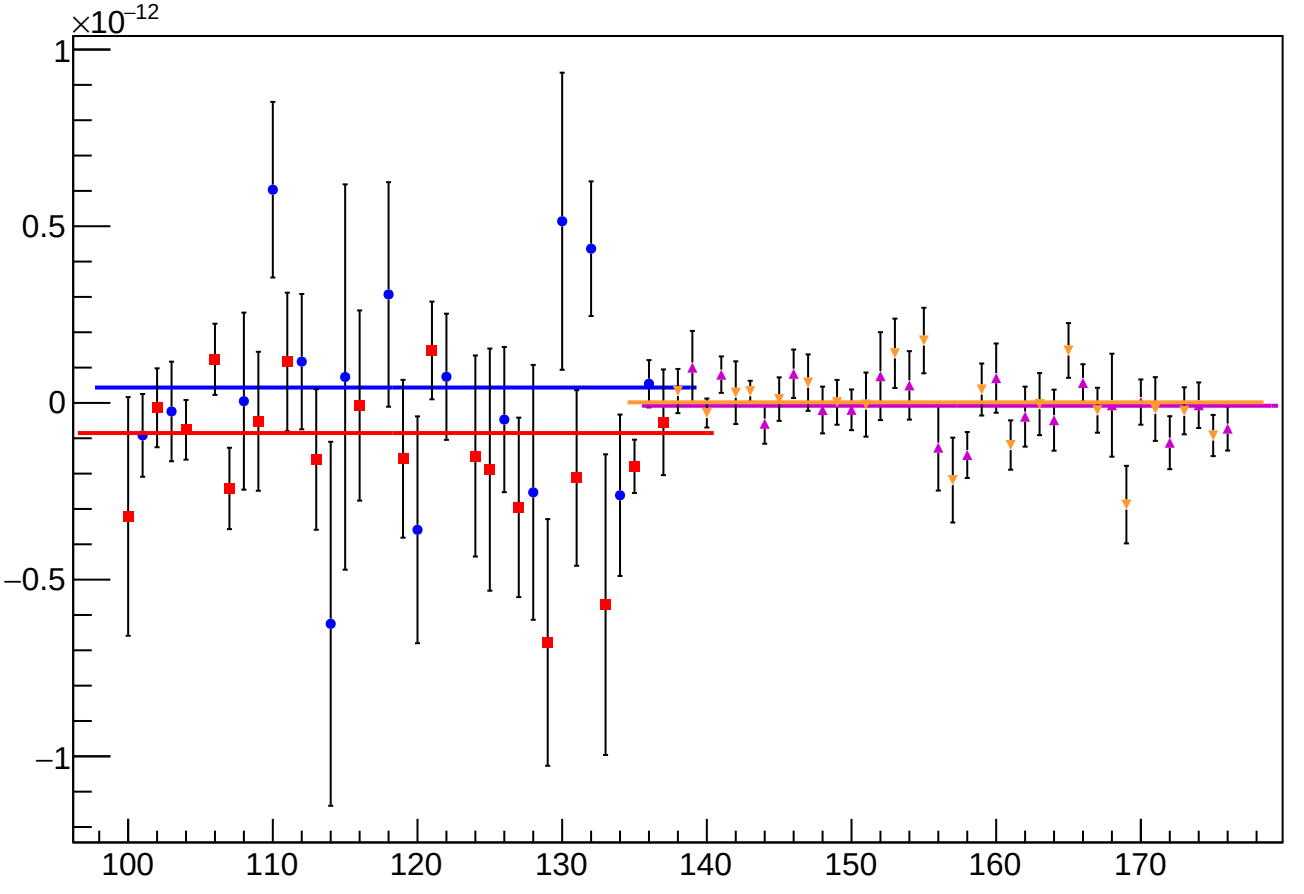
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

+ sign 195.414+/-0.032 χ^2/NDF: 7803580.4/35

All: 189.900+/-0.022 χ^2/NDF: 15961179.8/73

- sign 184.796+/-0.031 χ^2/NDF: 8100703.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

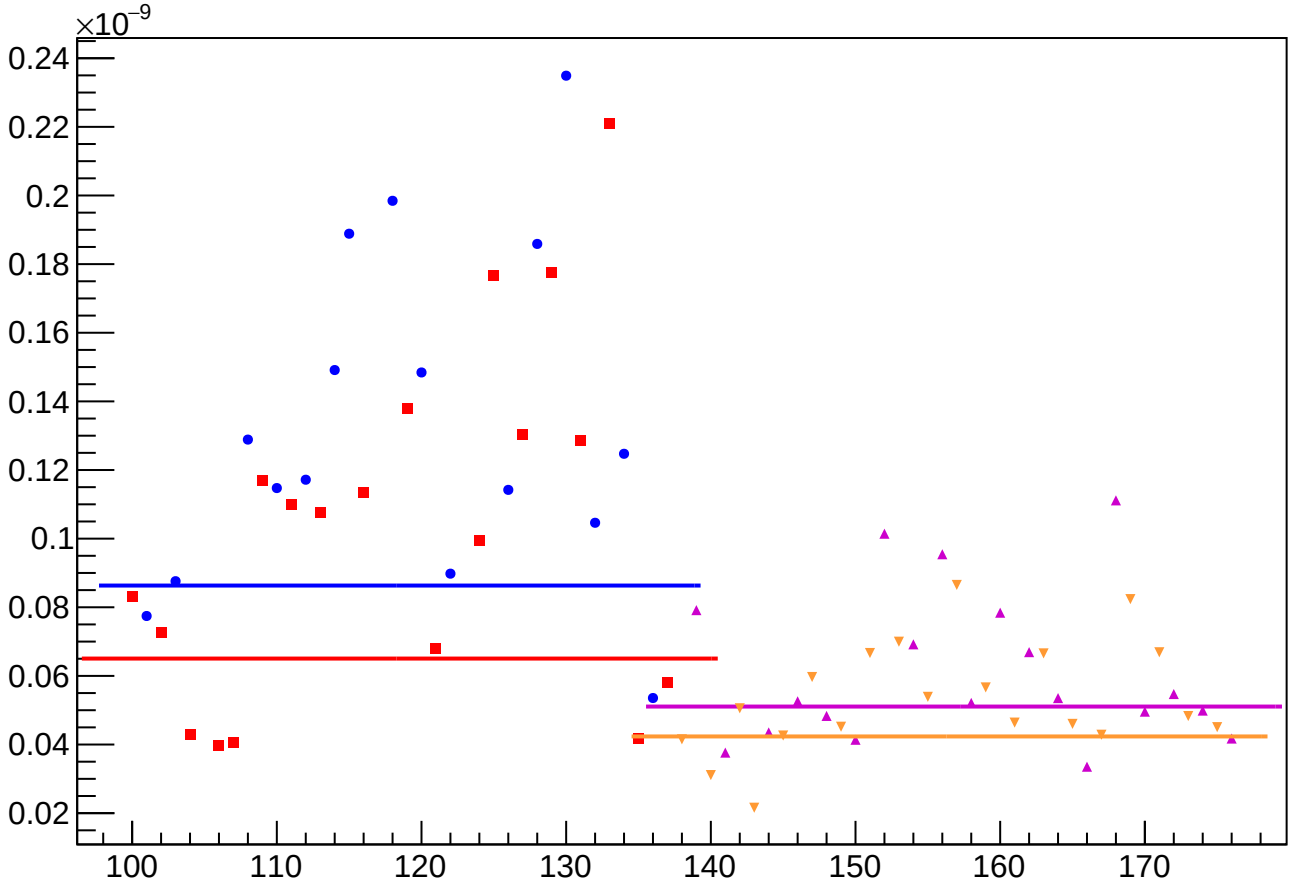
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 48.0/35

All: -0.000+/-0.000 χ^2/NDF: 90.8/73

- sign -0.000+/-0.000 χ^2/NDF: 40.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2525386.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

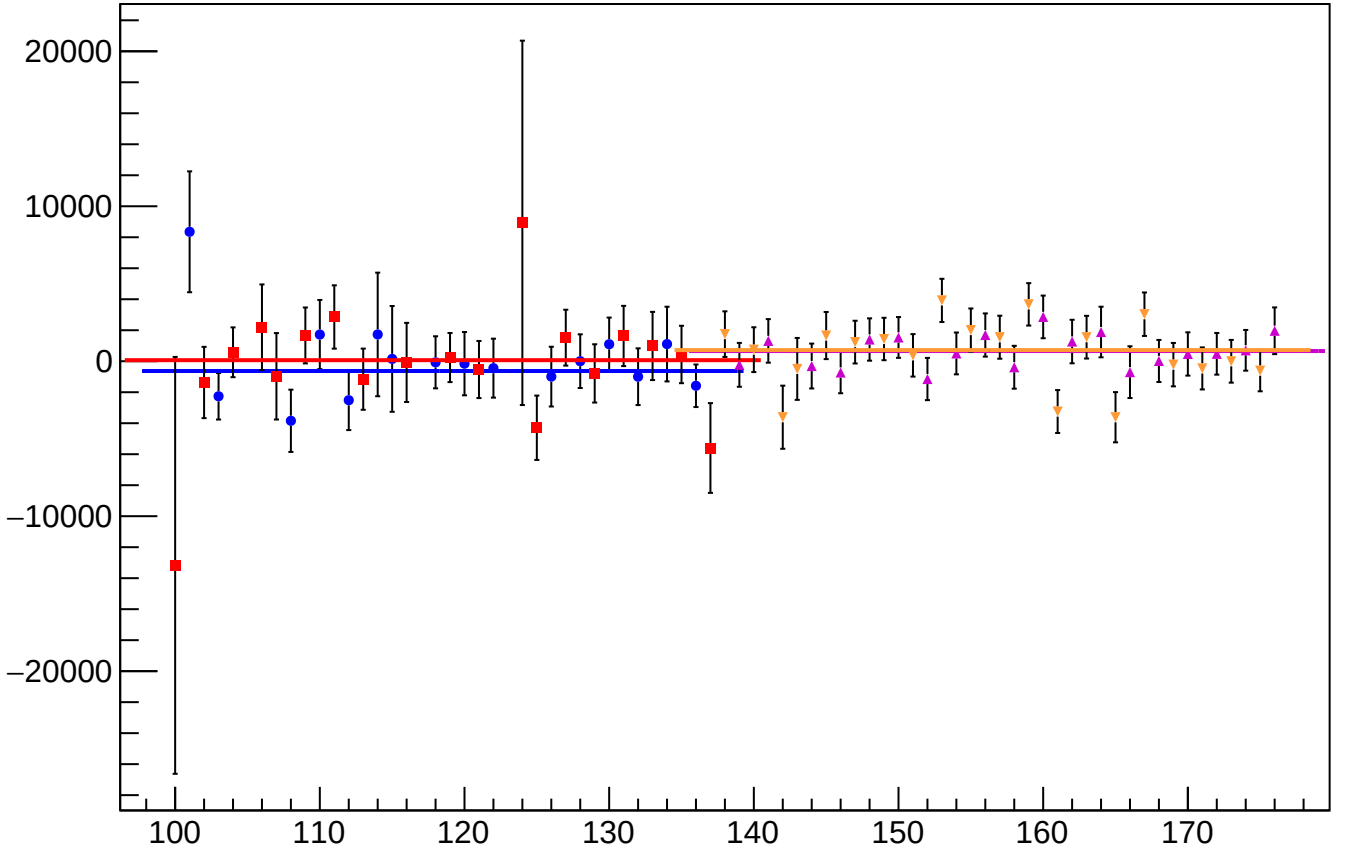
Left In: 0.000+/-0.000 χ^2/NDF:1882647.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 5993964.1/35

All: 0.000+/-0.000 χ^2/NDF: 10540478.8/73

- sign 0.000+/-0.000 χ^2/NDF: 4312802.5/37

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.812+/-322.406 χ^2/NDF:38.3/19

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

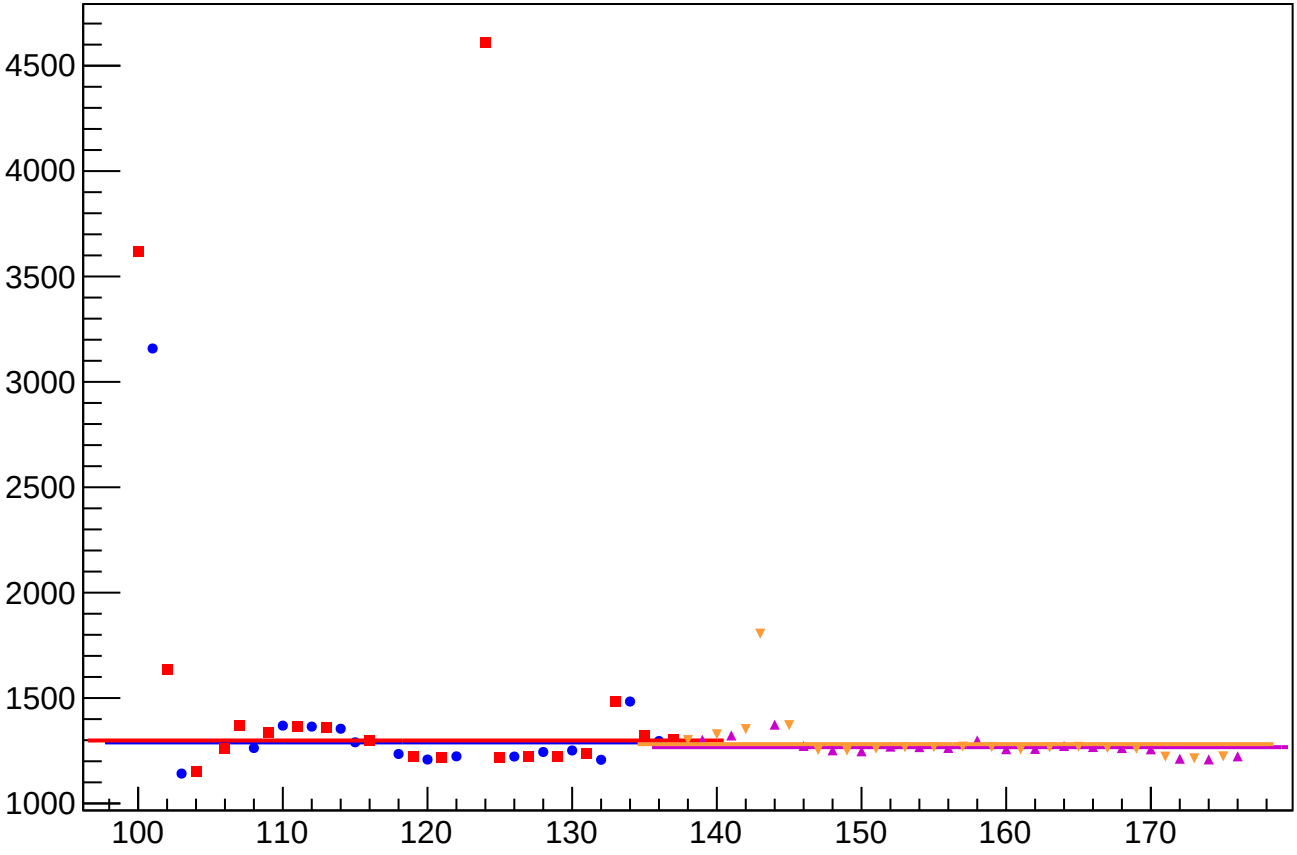
Left In: 656.785+/-321.523 χ^2/NDF:10.7/18

\+ sign 308.731+/-269.111 χ^2/NDF: 57.5/35

All: 393.741+/-190.055 χ^2/NDF: 85.4/73

\- sign 478.332+/-268.447 χ^2/NDF: 27.6/37

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

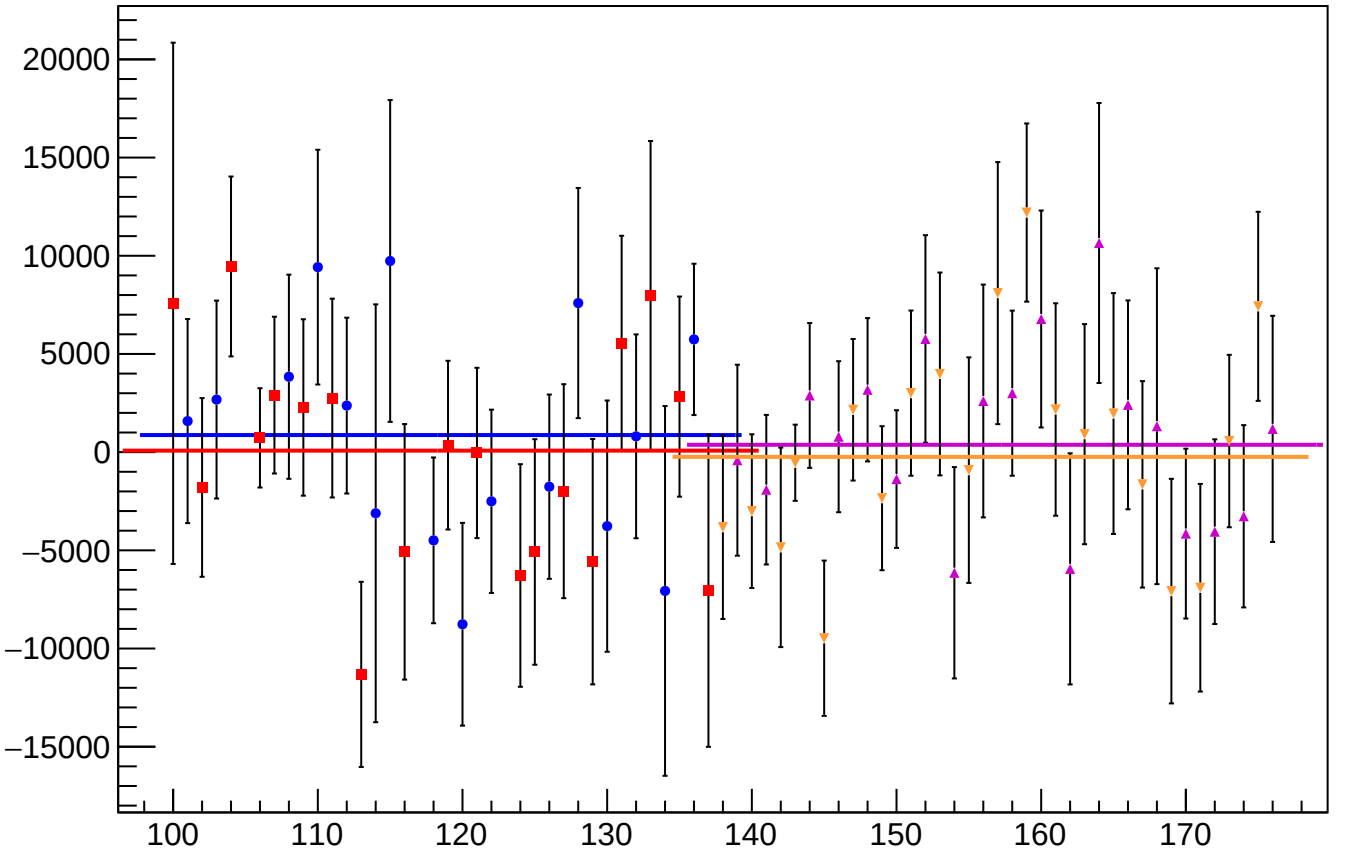
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1283.736+/-0.190 χ^2/NDF: 681837.6/35

All: 1280.162+/-0.134 χ^2/NDF: 1034067.8/73

- sign 1276.612+/-0.190 χ^2/NDF: 351527.2/37



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -240.210+/-946.405 χ^2/NDF:24.5/19

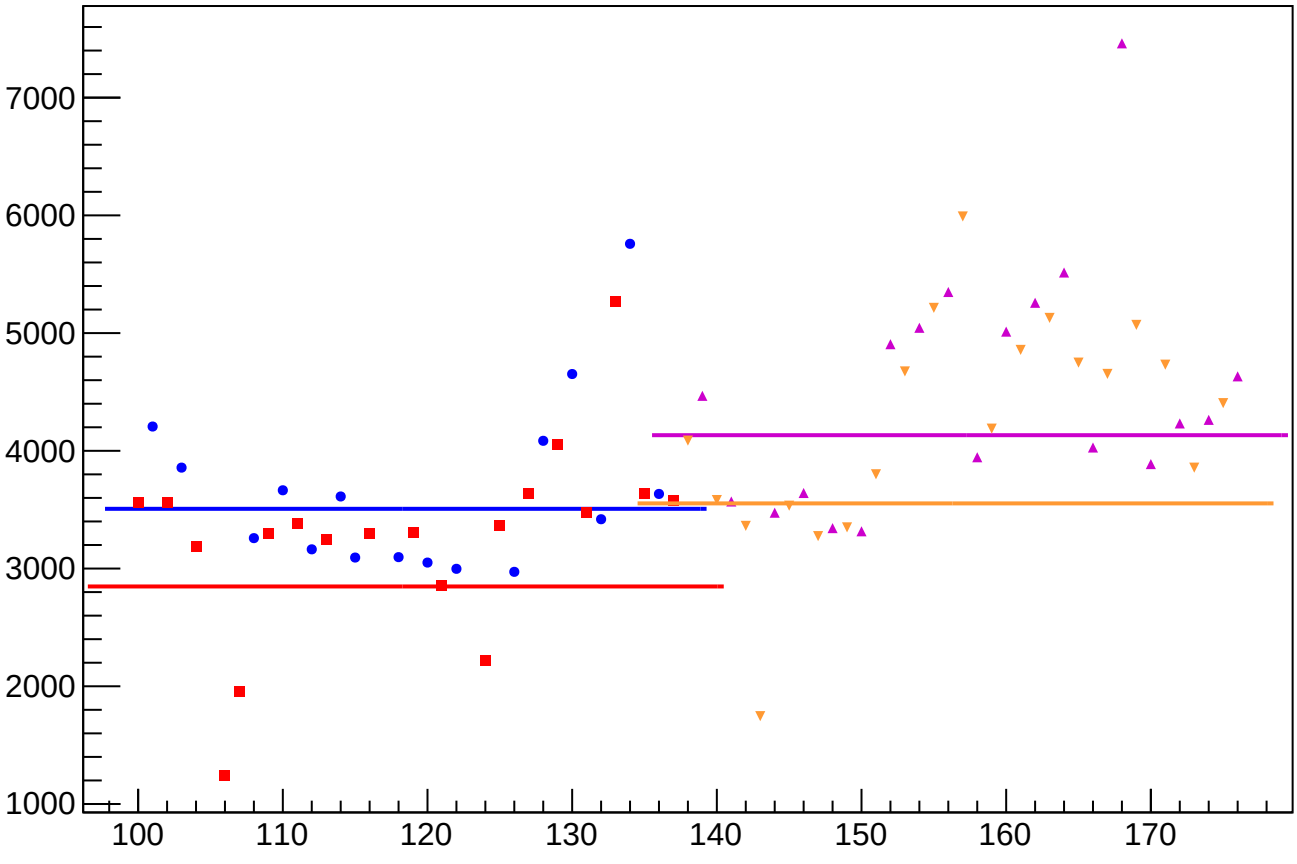
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 374.536+/-1071.133 χ^2/NDF:12.1/18

\+ sign 134.844+/-770.182 χ^2/NDF: 39.0/35

All: 183.046+/-544.939 χ^2/NDF: 69.5/73

\- sign 231.368+/-771.139 χ^2/NDF: 30.5/37



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3553.411+/-0.669 χ^2/NDF:3108258.5/19

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

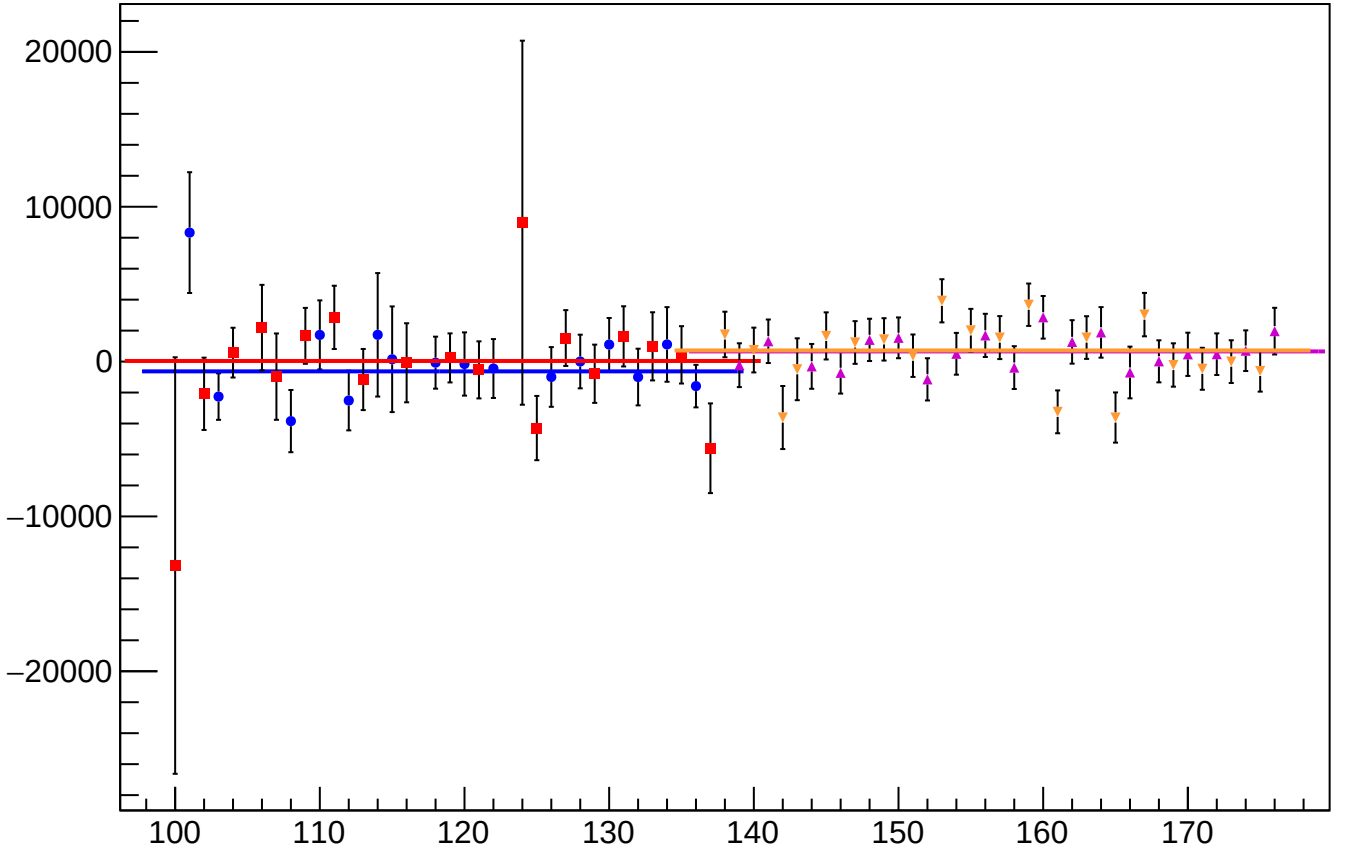
Left In: 4132.820+/-0.757 χ^2/NDF:1106305.7/18

+ sign 3537.871+/-0.545 χ^2/NDF: 3463834.3/35

All: 3525.869+/-0.385 χ^2/NDF: 7456987.7/73

- sign 3513.838+/-0.545 χ^2/NDF: 3992181.0/37

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

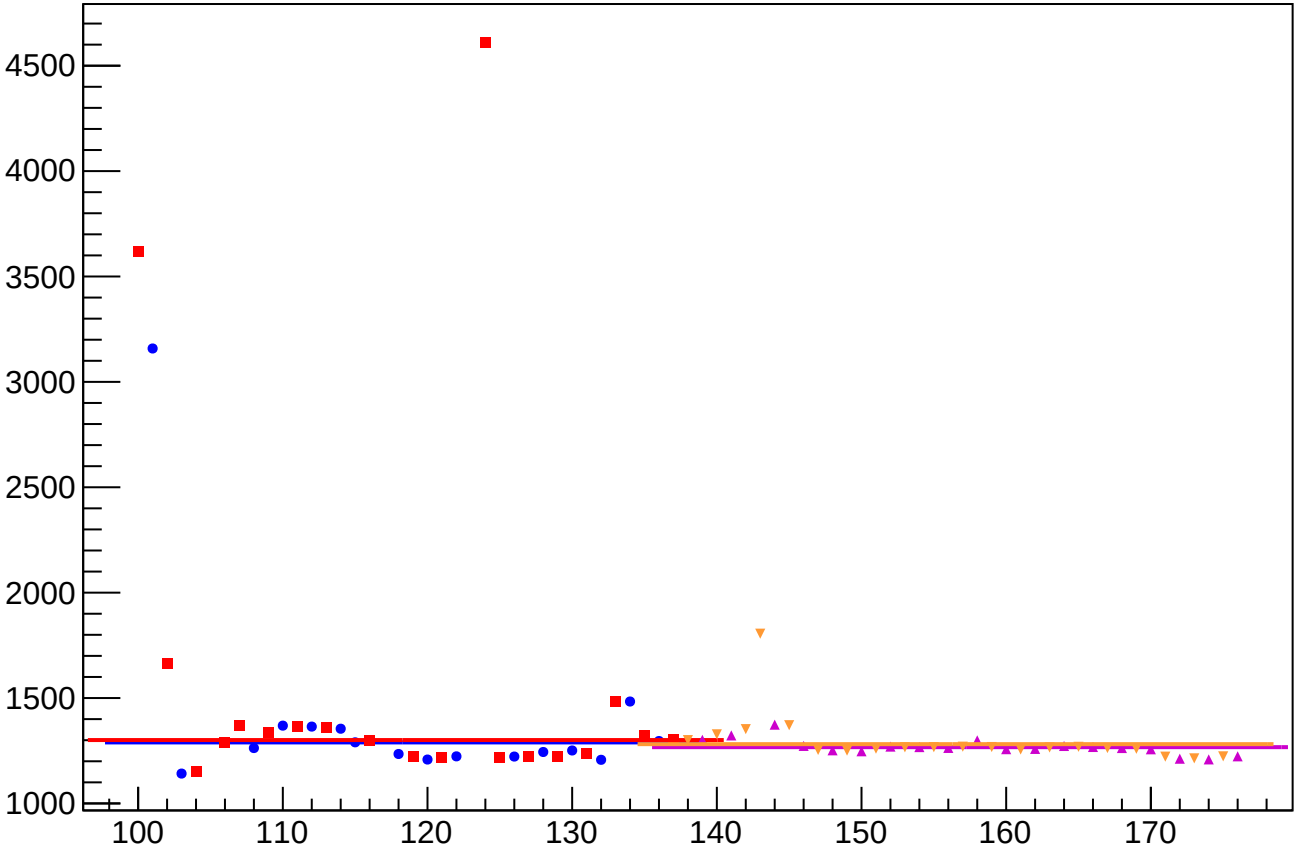
Left In: 656.732+/-321.523 χ^2/NDF:10.7/18

\+ sign 308.627+/-269.111 χ^2/NDF: 57.5/35

All: 389.335+/-190.074 χ^2/NDF: 85.9/73

\- sign 469.678+/-268.501 χ^2/NDF: 28.2/37

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

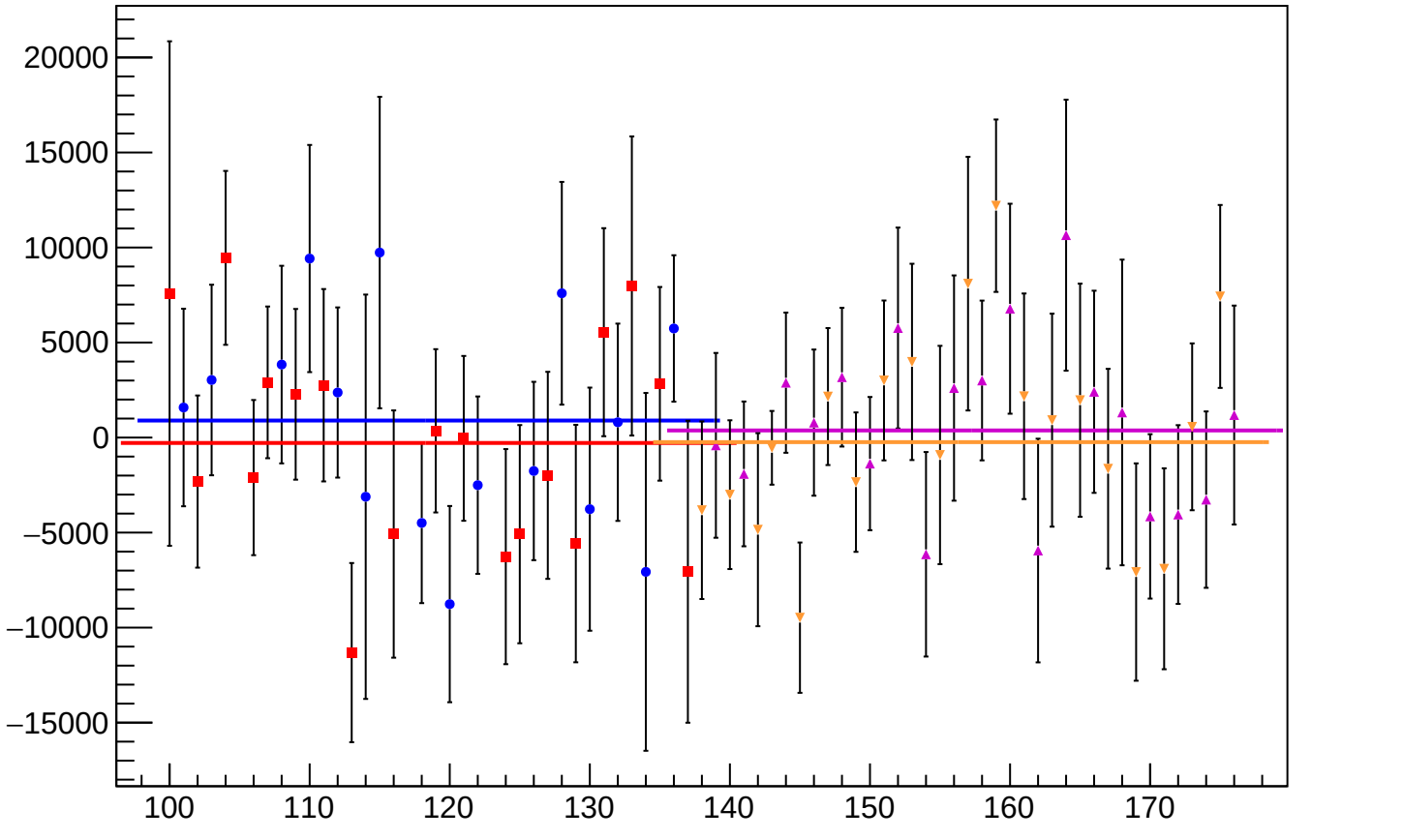
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1283.736+/-0.190 χ^2/NDF: 681839.1/35

All: 1280.463+/-0.134 χ^2/NDF: 1041255.6/73

- sign 1277.209+/-0.190 χ^2/NDF: 358826.6/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

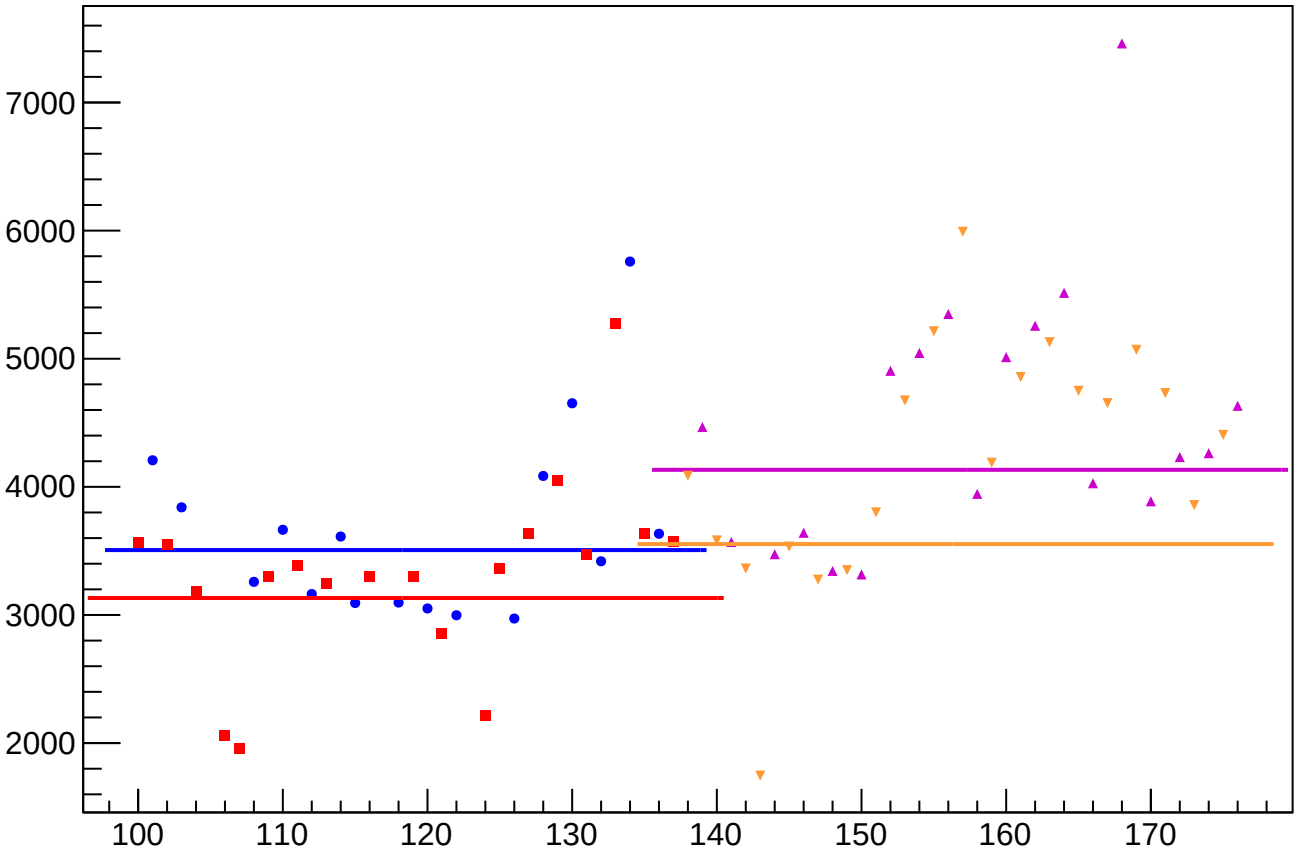
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 374.550+/-1071.131 χ^2/NDF:12.1/18

\+ sign 143.749+/-770.092 χ^2/NDF: 39.1/35

All: 111.854+/-552.819 χ^2/NDF: 70.0/73

\- sign 77.942+/-794.068 χ^2/NDF: 30.9/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

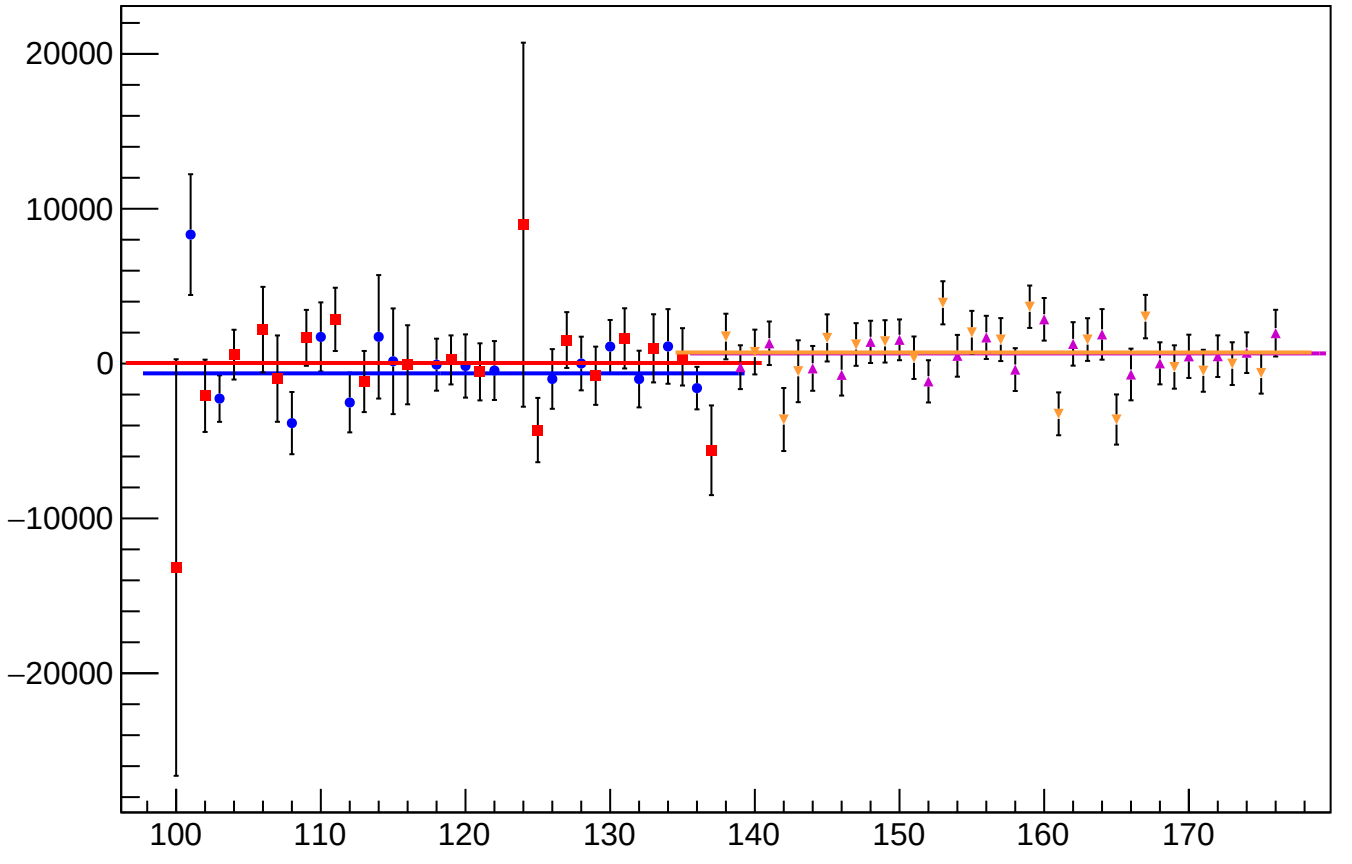
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

+ sign 3537.549+/-0.545 χ^2/NDF: 3463190.0/35

All: 3607.702+/-0.391 χ^2/NDF: 6038880.3/73

- sign 3682.290+/-0.561 χ^2/NDF: 2541446.9/37



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

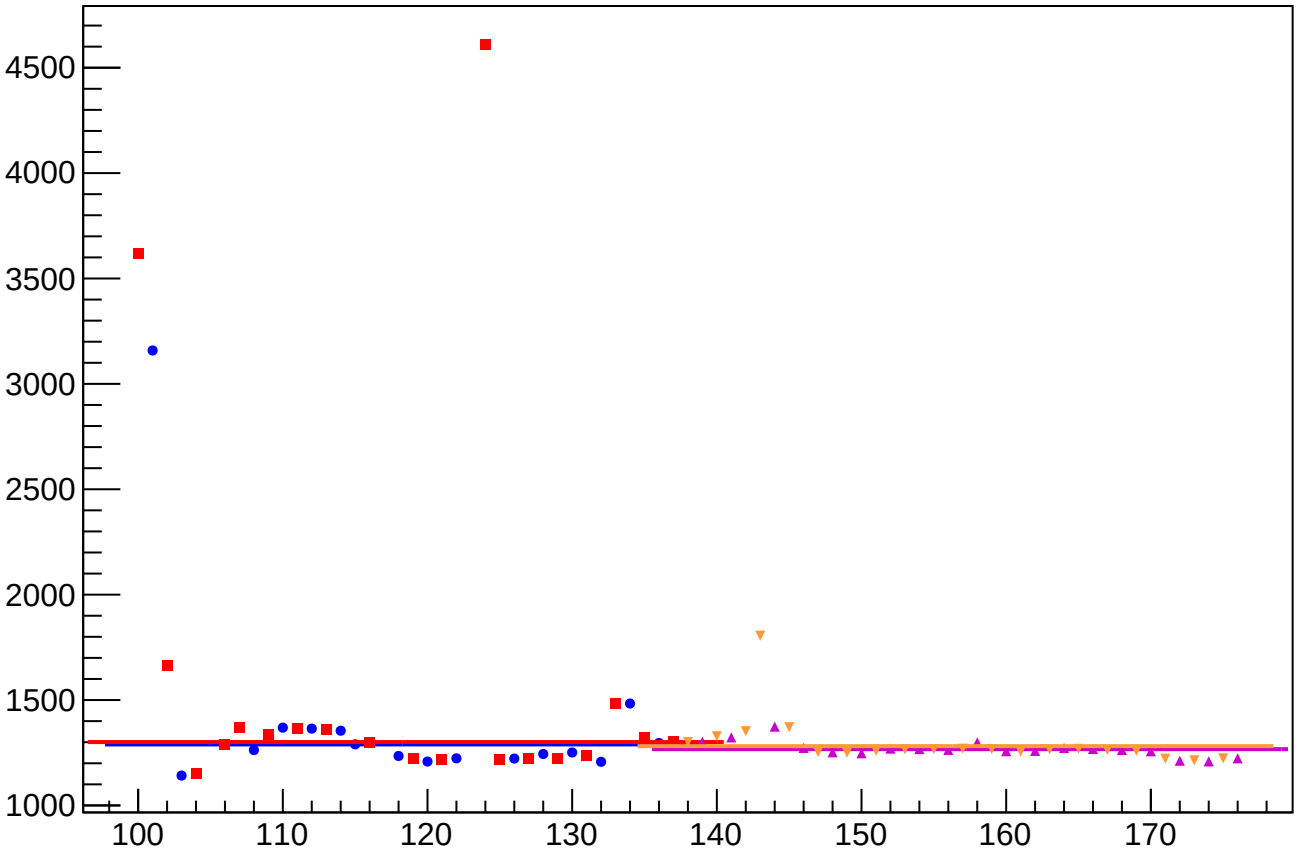
Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 656.732+/-321.523 χ^2/NDF:10.7/18

+ sign 308.627+/-269.111 χ^2/NDF: 57.5/35

All: 389.335+/-190.074 χ^2/NDF: 85.9/73

- sign 469.678+/-268.501 χ^2/NDF: 28.2/37



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

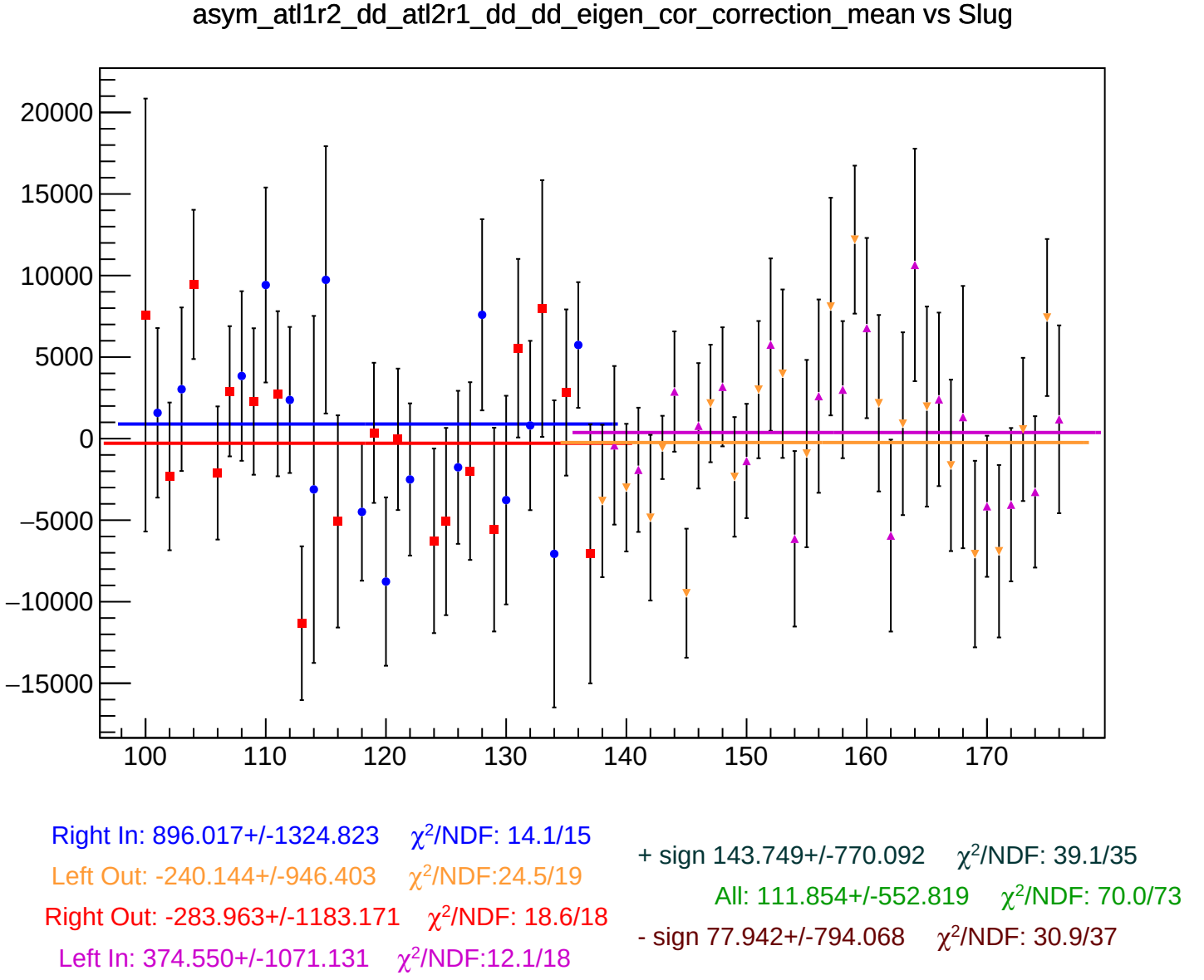
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

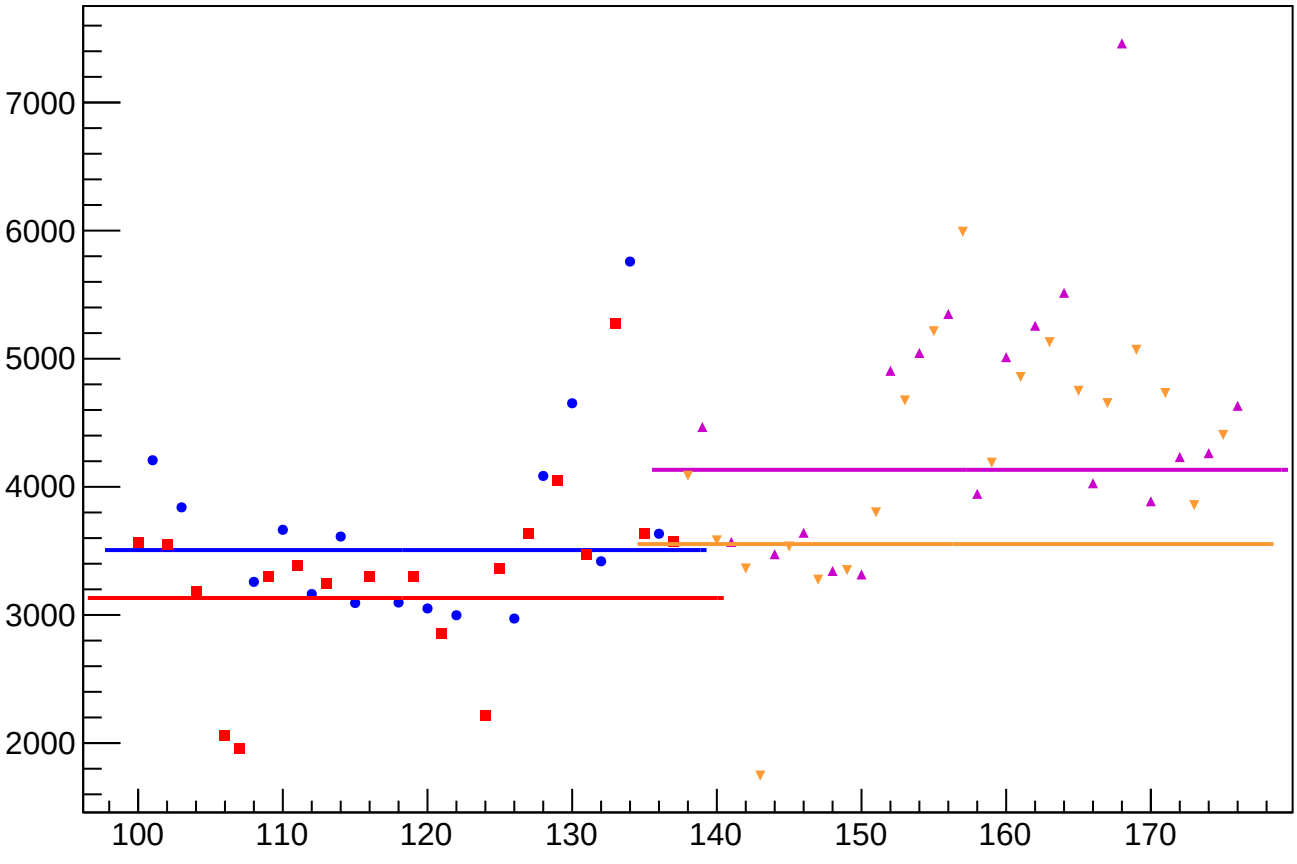
Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1283.736+/-0.190 χ^2/NDF: 681839.1/35

All: 1280.463+/-0.134 χ^2/NDF: 1041255.6/73

- sign 1277.209+/-0.190 χ^2/NDF: 358826.6/37


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -240.144+/-946.403 χ²/NDF:24.5/19
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 374.550+/-1071.131 χ²/NDF:12.1/18
+ sign 143.749+/-770.092 χ²/NDF: 39.1/35
All: 111.854+/-552.819 χ²/NDF: 70.0/73
- sign 77.942+/-794.068 χ²/NDF: 30.9/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

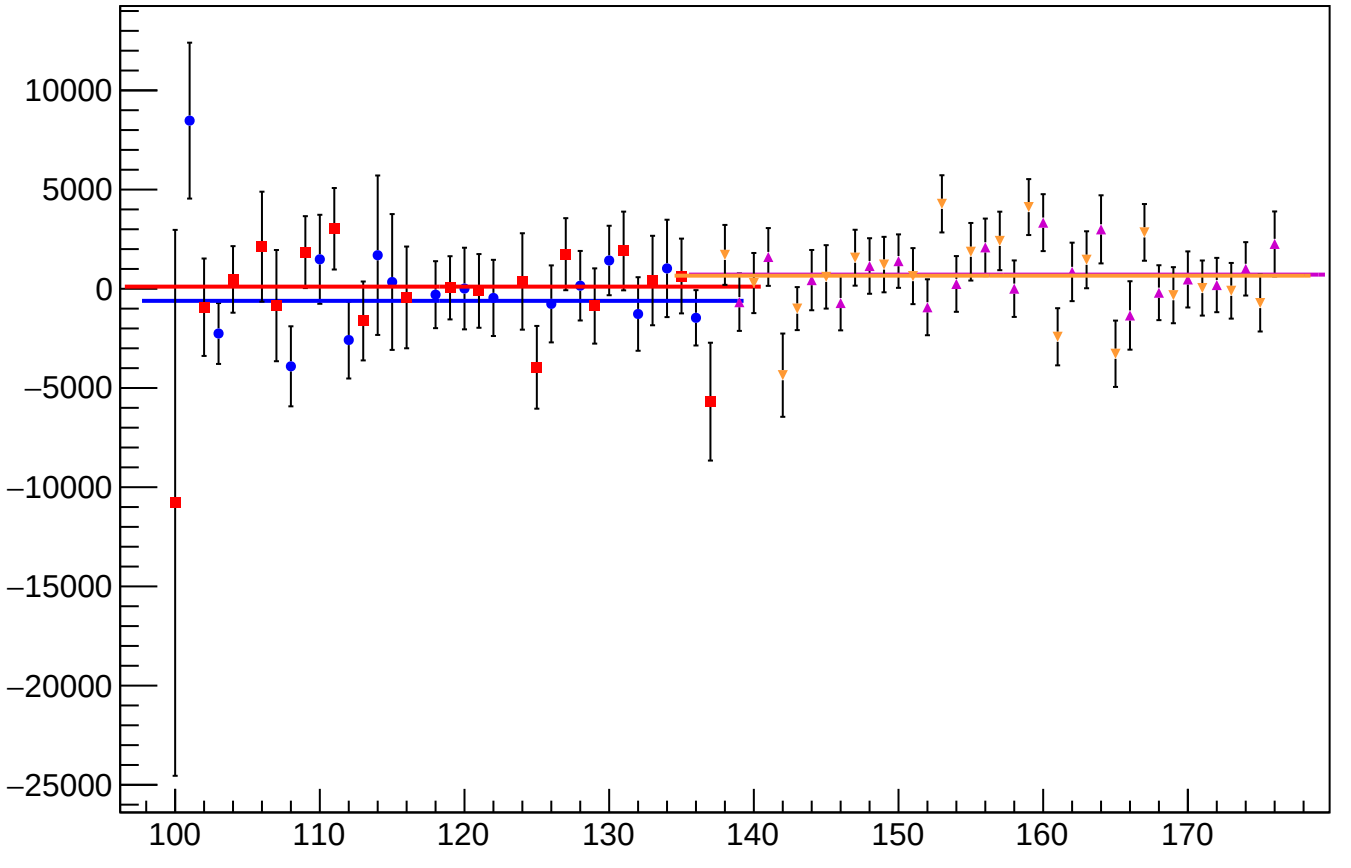
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

+ sign 3537.549+/-0.545 χ^2/NDF: 3463190.0/35

All: 3607.702+/-0.391 χ^2/NDF: 6038880.3/73

- sign 3682.290+/-0.561 χ^2/NDF: 2541446.9/37



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.416+/-322.595 χ^2/NDF:38.3/19

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

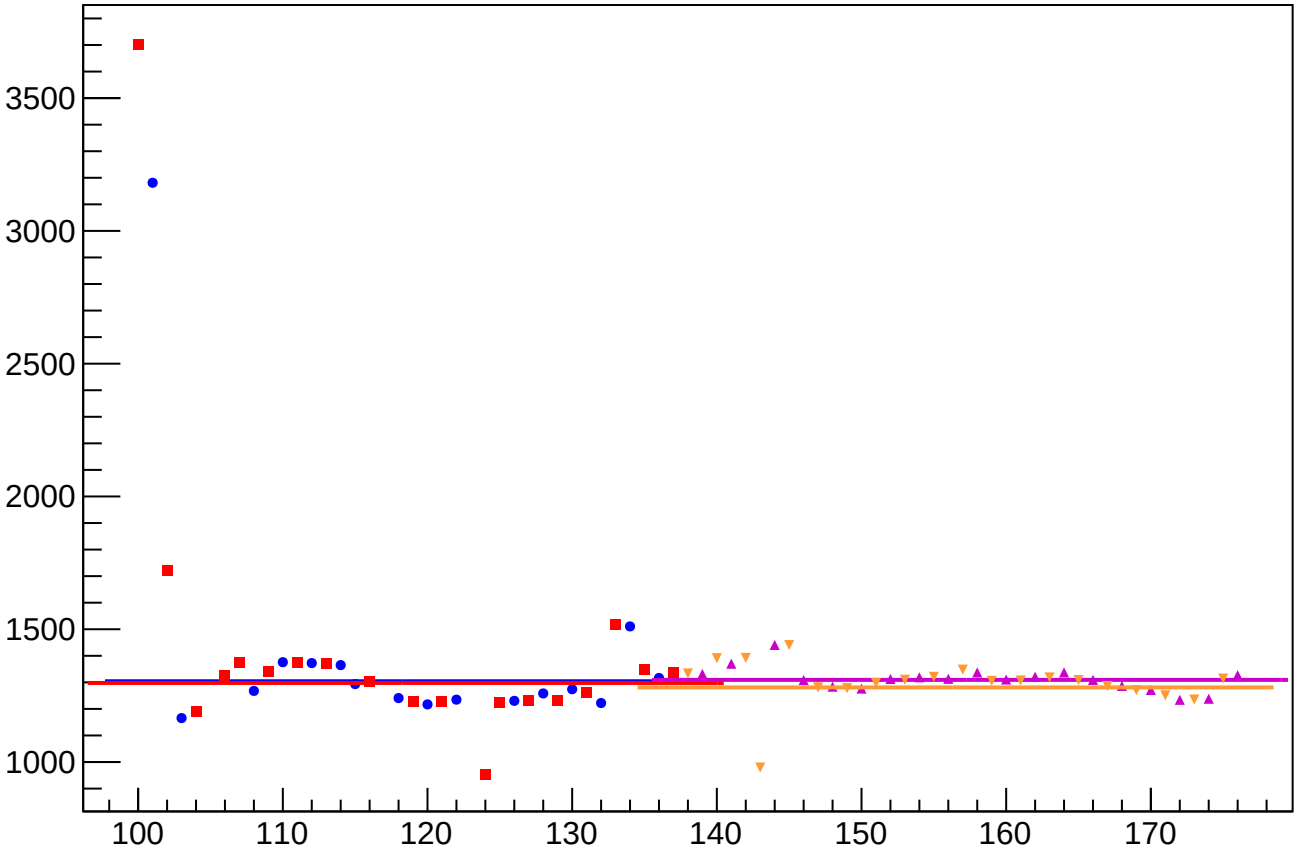
Left In: 714.051+/-332.363 χ^2/NDF:13.5/18

\+ sign 282.163+/-270.134 χ^2/NDF: 57.0/35

All: 399.712+/-192.457 χ^2/NDF: 86.8/73

\- sign 520.884+/-274.264 χ^2/NDF: 29.4/37

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207501.3/19

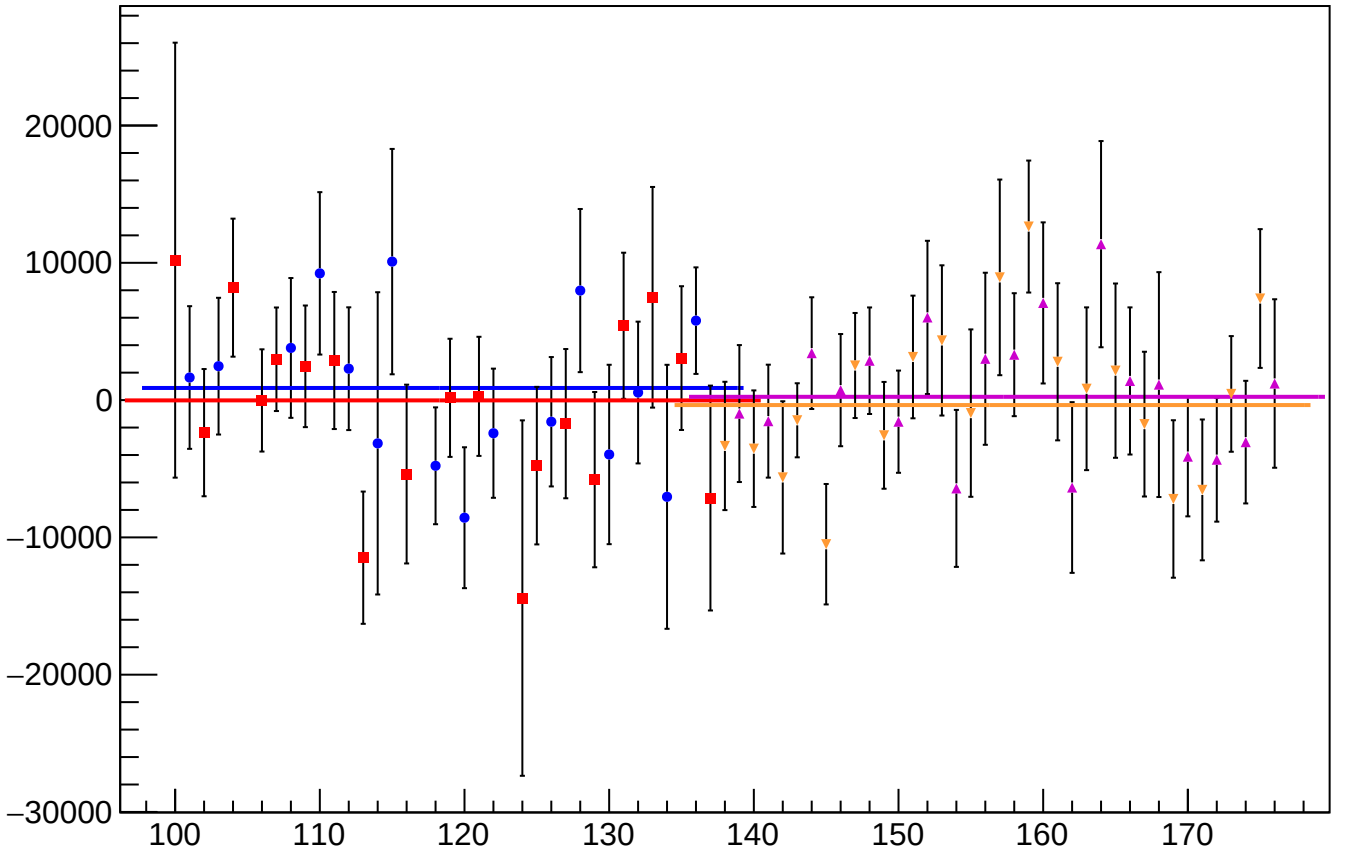
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1309.347+/-0.235 χ^2/NDF:36214.4/18

+ sign 1287.885+/-0.191 χ^2/NDF: 721162.3/35

All: 1296.639+/-0.136 χ^2/NDF: 975509.0/73

- sign 1305.658+/-0.194 χ^2/NDF: 250082.8/37



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -361.243+/-1045.588 χ^2/NDF:24.5/19

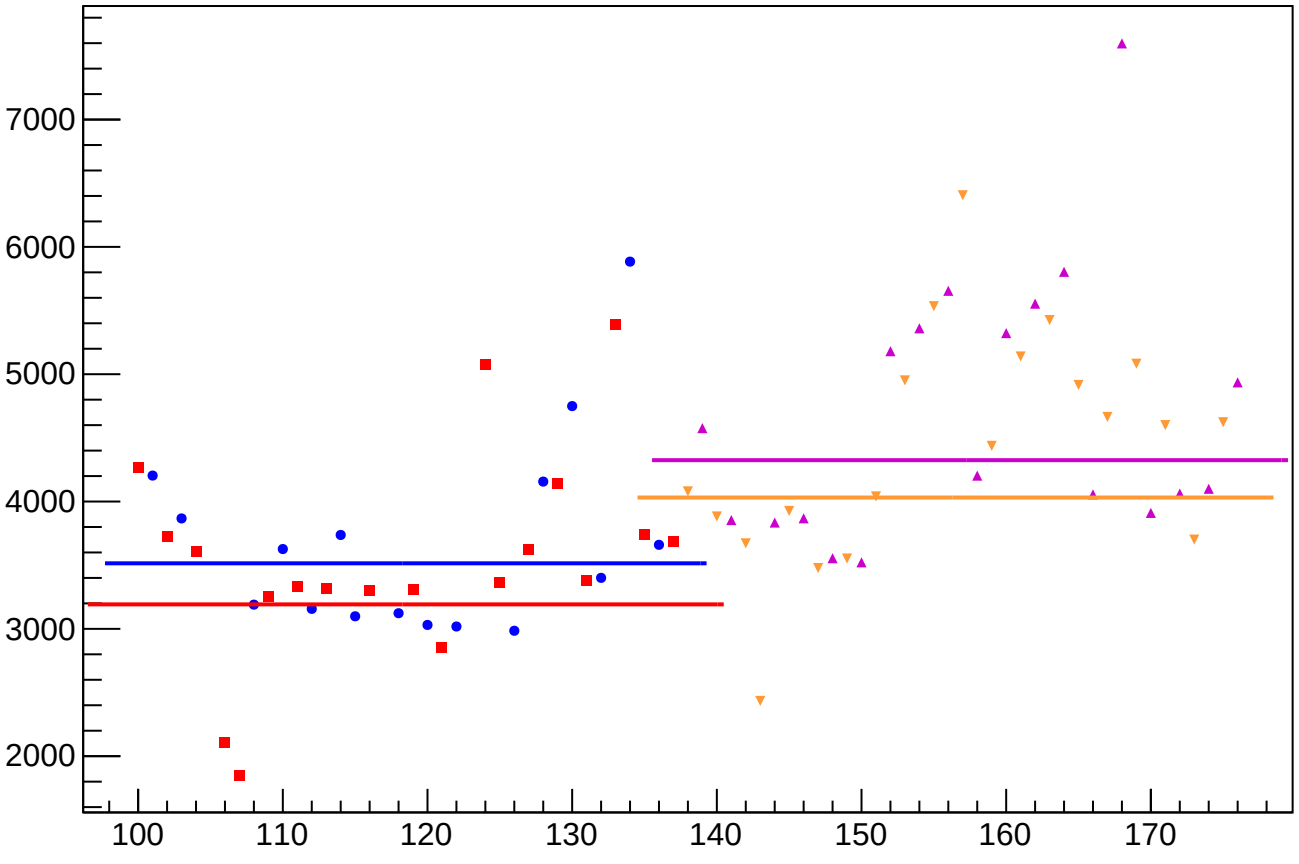
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 239.932+/-1120.053 χ^2/NDF:12.0/18

\+ sign 115.575+/-821.373 χ^2/NDF: 39.2/35

All: 117.091+/-579.889 χ^2/NDF: 68.0/73

\- sign 118.597+/-818.808 χ^2/NDF: 28.9/37



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4031.441+/-0.739 χ^2/NDF:1584886.0/19

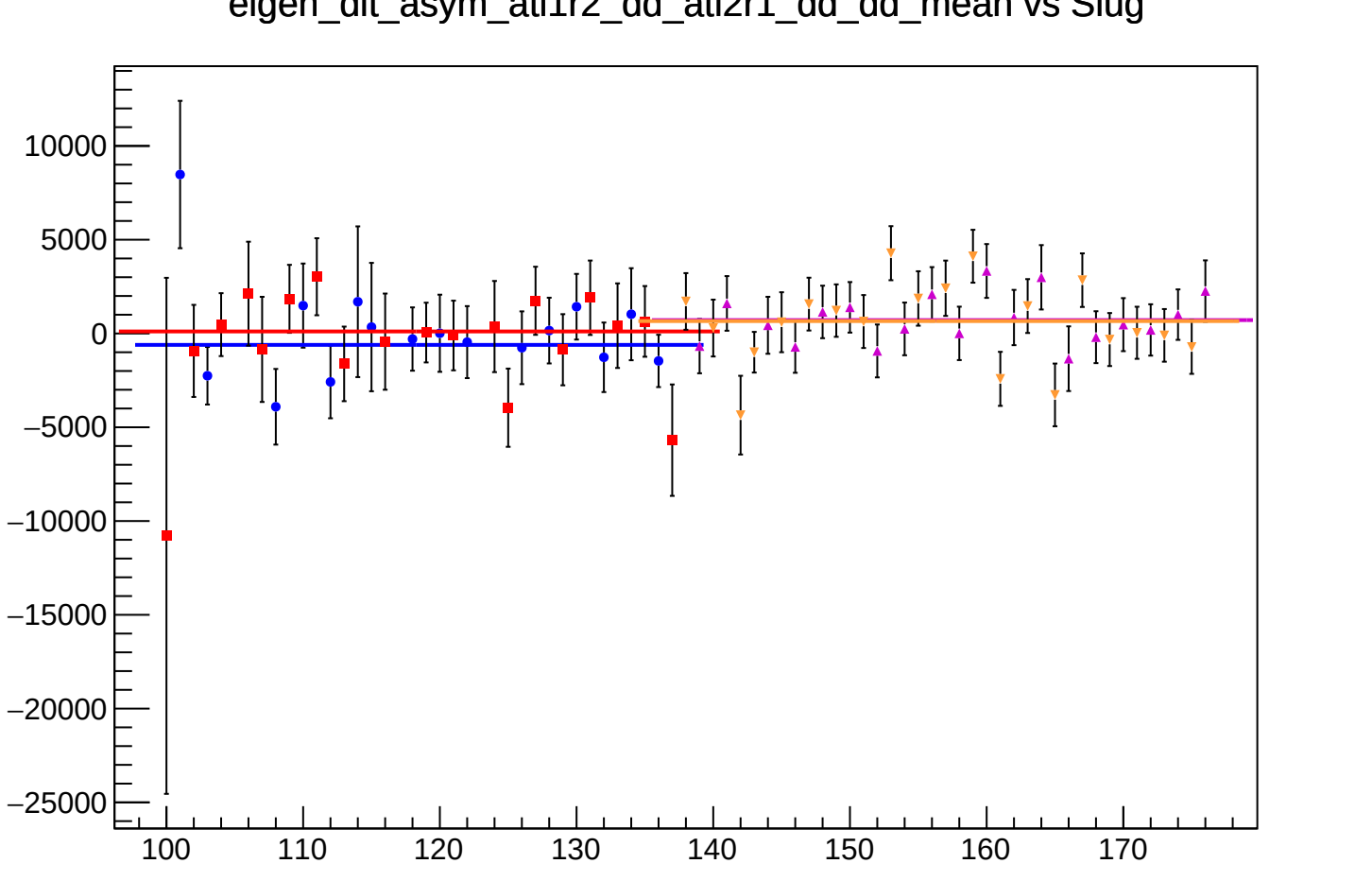
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4324.914+/-0.792 χ^2/NDF:1048985.0/18

+ sign 3833.602+/-0.581 χ^2/NDF: 2146971.3/35

All: 3815.520+/-0.410 χ^2/NDF: 4922699.1/73

- sign 3797.551+/-0.579 χ^2/NDF: 2773795.3/37



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.419+/-322.596 χ^2/NDF:38.3/19

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

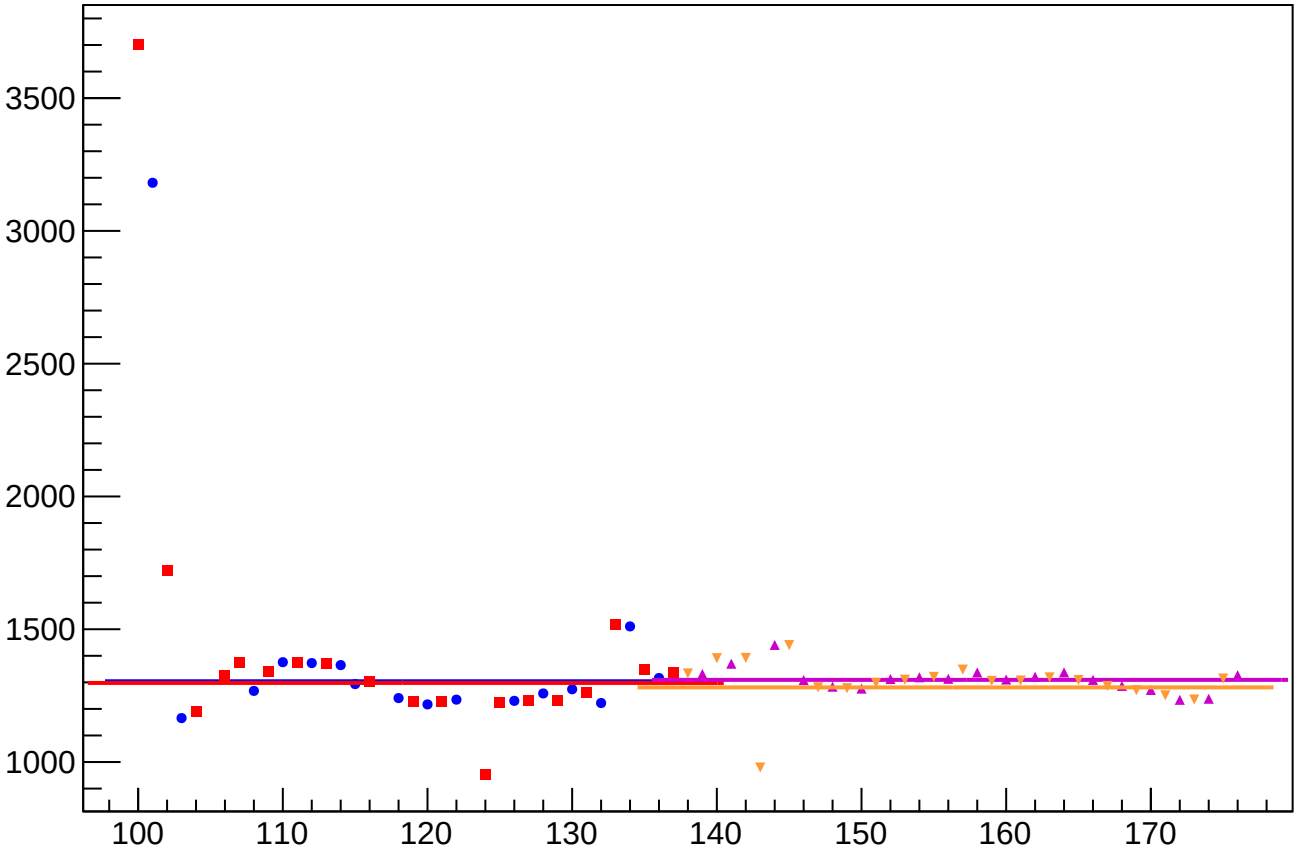
Left In: 714.052+/-332.363 χ^2/NDF:13.5/18

+ sign 282.163+/-270.134 χ^2/NDF: 57.0/35

All: 399.714+/-192.457 χ^2/NDF: 86.8/73

- sign 520.886+/-274.264 χ^2/NDF: 29.4/37

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: 1280.975+/-0.228 χ^2/NDF:207502.5/19

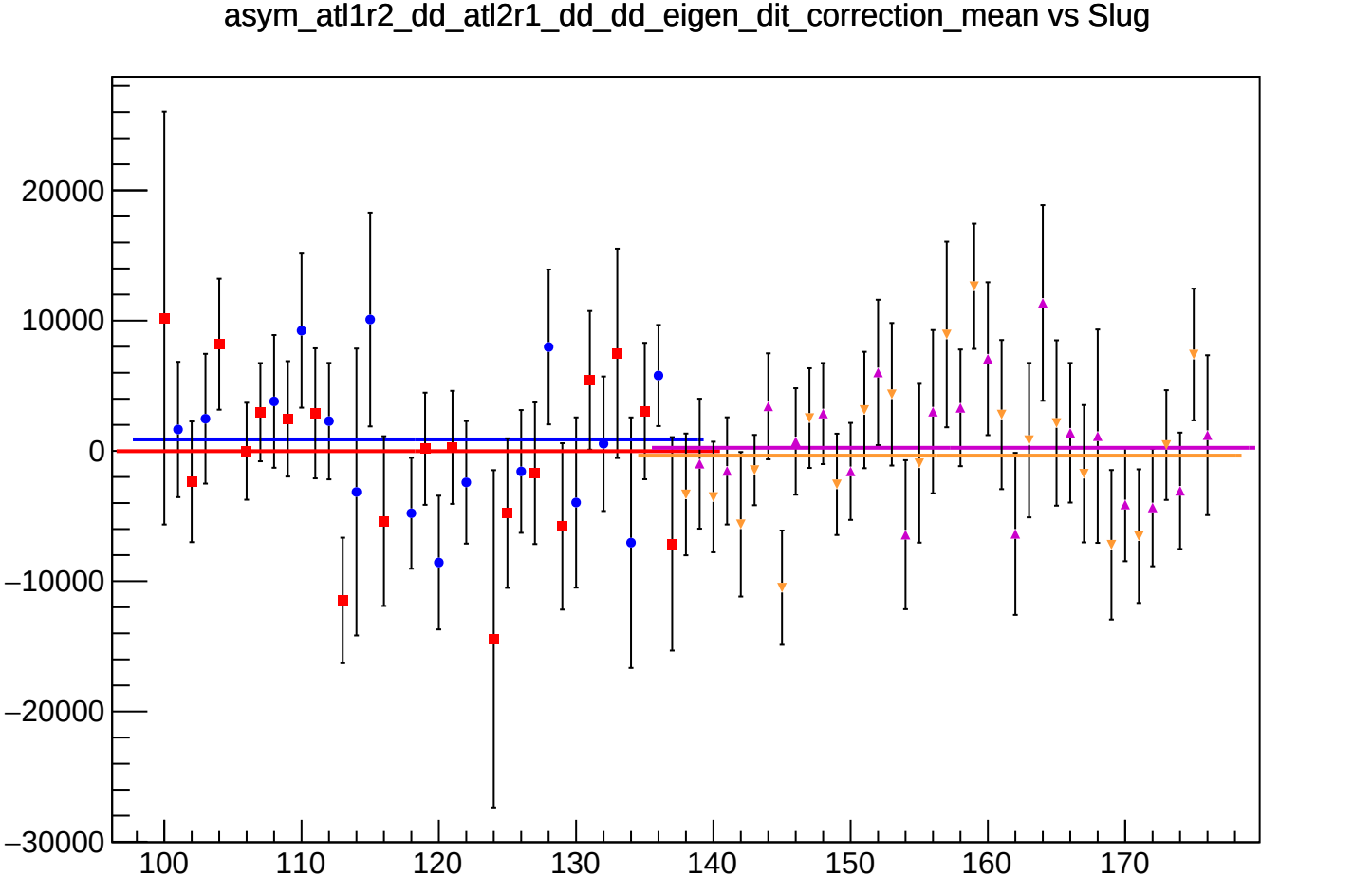
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1309.348+/-0.235 χ^2/NDF:36215.6/18

\+ sign 1287.886+/-0.191 χ^2/NDF: 721163.4/35

All: 1296.639+/-0.136 χ^2/NDF: 975511.6/73

\- sign 1305.658+/-0.194 χ^2/NDF: 250084.2/37



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -361.241+/-1045.589 χ^2/NDF:24.5/19

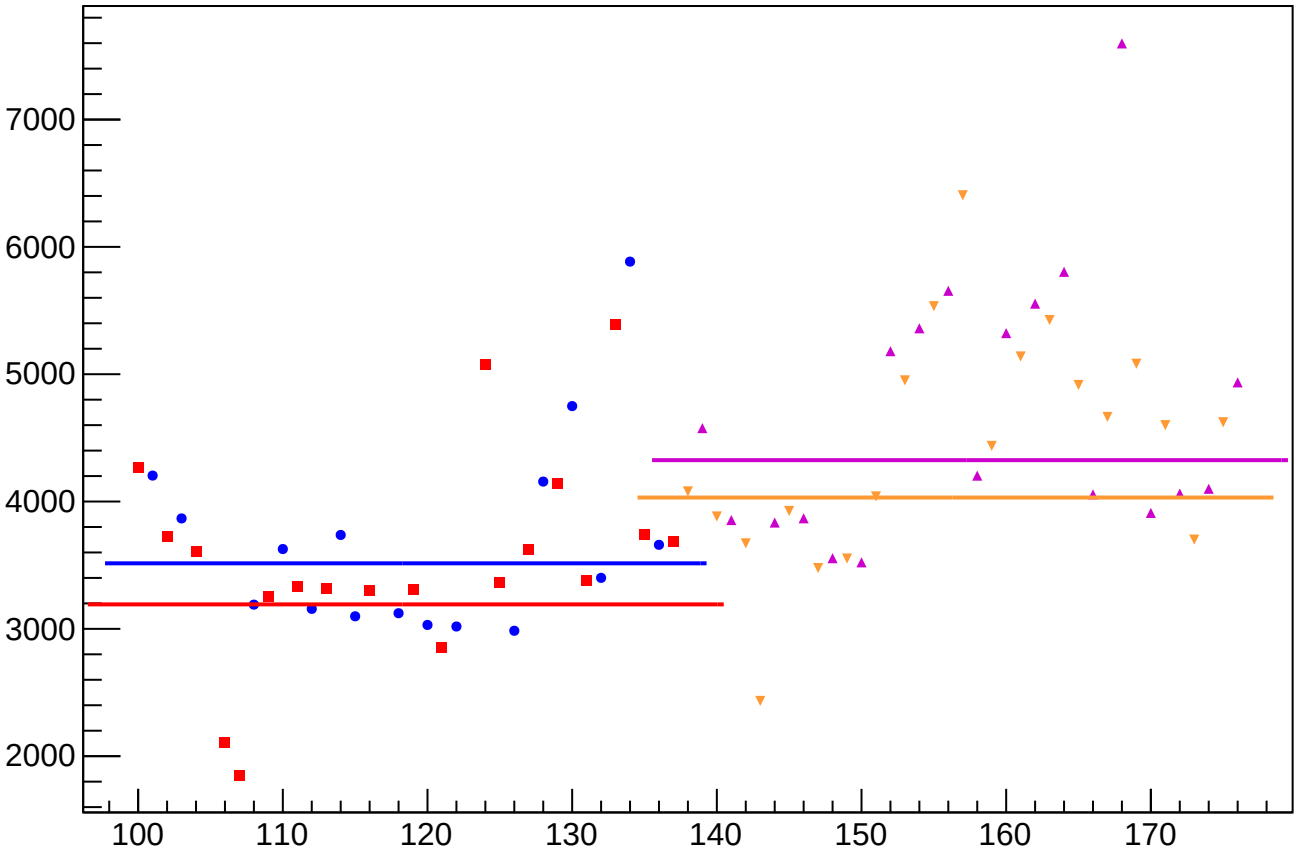
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 239.931+/-1120.055 χ^2/NDF:12.0/18

+ sign 115.574+/-821.373 χ^2/NDF: 39.2/35

All: 117.091+/-579.889 χ^2/NDF: 68.0/73

- sign 118.598+/-818.807 χ^2/NDF: 28.9/37



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4031.448+/-0.739 χ^2/NDF:1584887.1/19

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

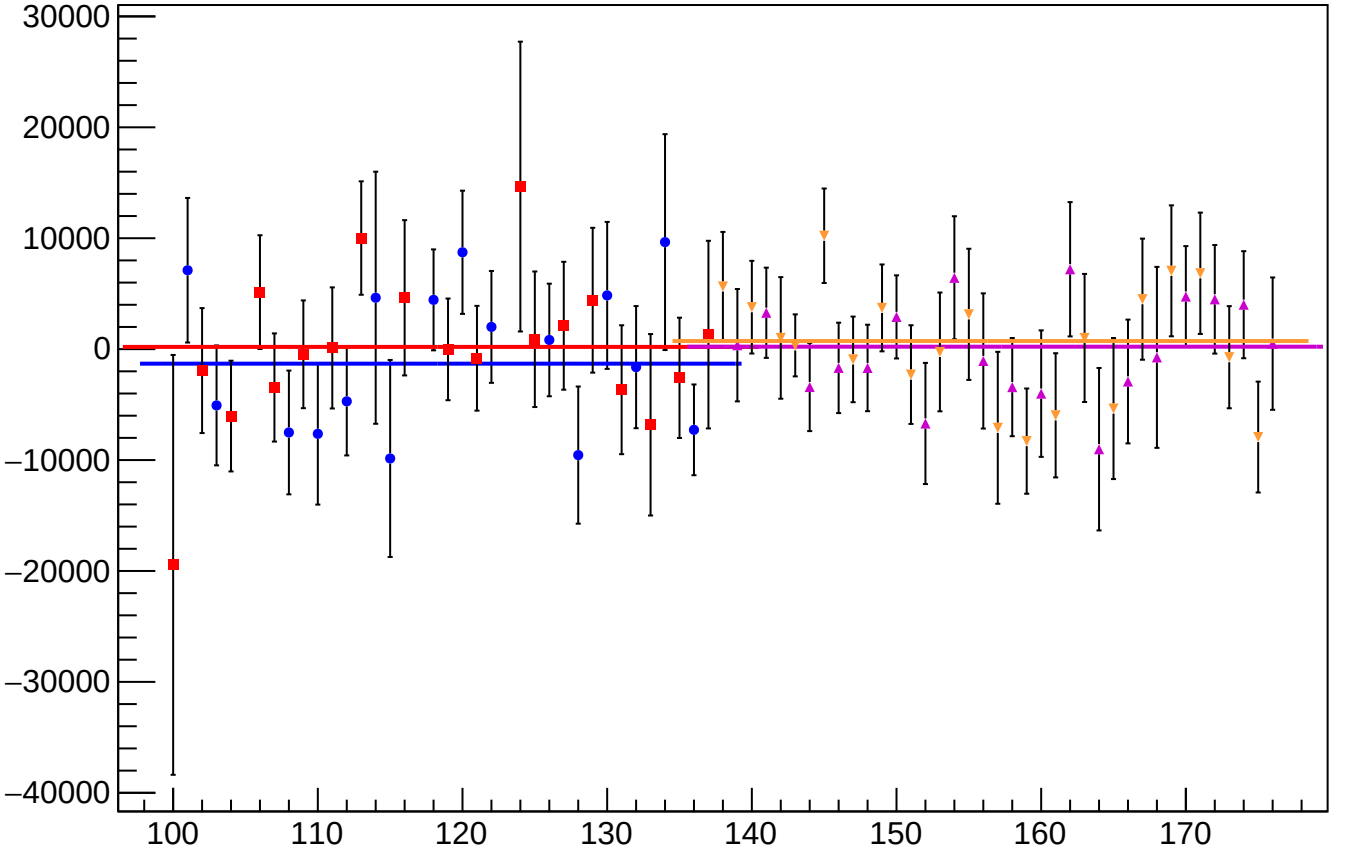
Left In: 4324.920+/-0.792 χ^2/NDF:1048987.2/18

+ sign 3833.601+/-0.581 χ^2/NDF: 2146988.1/35

All: 3815.519+/-0.410 χ^2/NDF: 4922745.6/73

- sign 3797.549+/-0.579 χ^2/NDF: 2773824.8/37

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 730.737+/-1056.069 χ^2/NDF:21.2/19

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

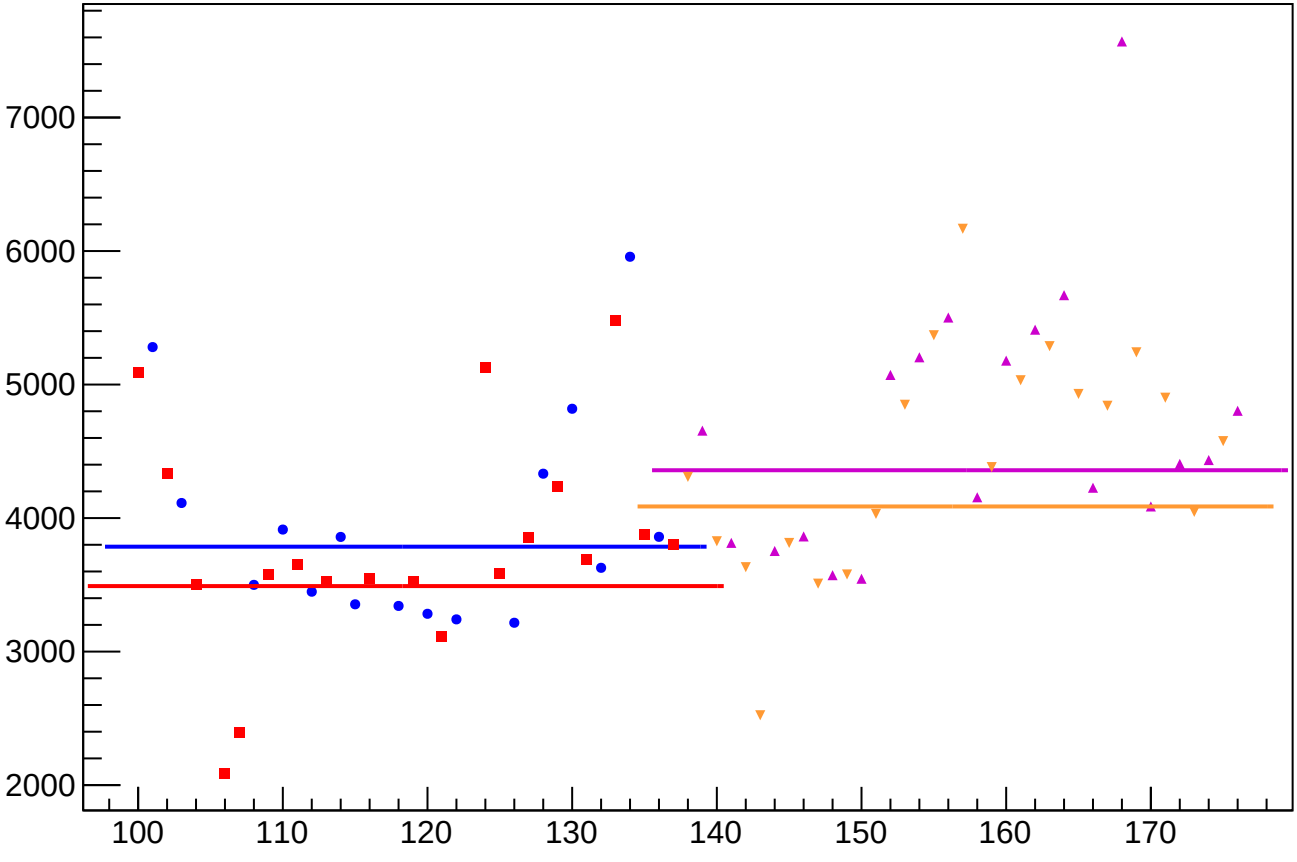
Left In: 220.440+/-1125.949 χ^2/NDF:12.1/18

\+ sign 11.814+/-849.857 χ^2/NDF: 40.1/35

All: 110.908+/-604.835 χ^2/NDF: 63.9/73

\- sign 212.614+/-860.983 χ^2/NDF: 23.8/37

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4086.971+/-0.747 χ^2/NDF:1422530.3/19

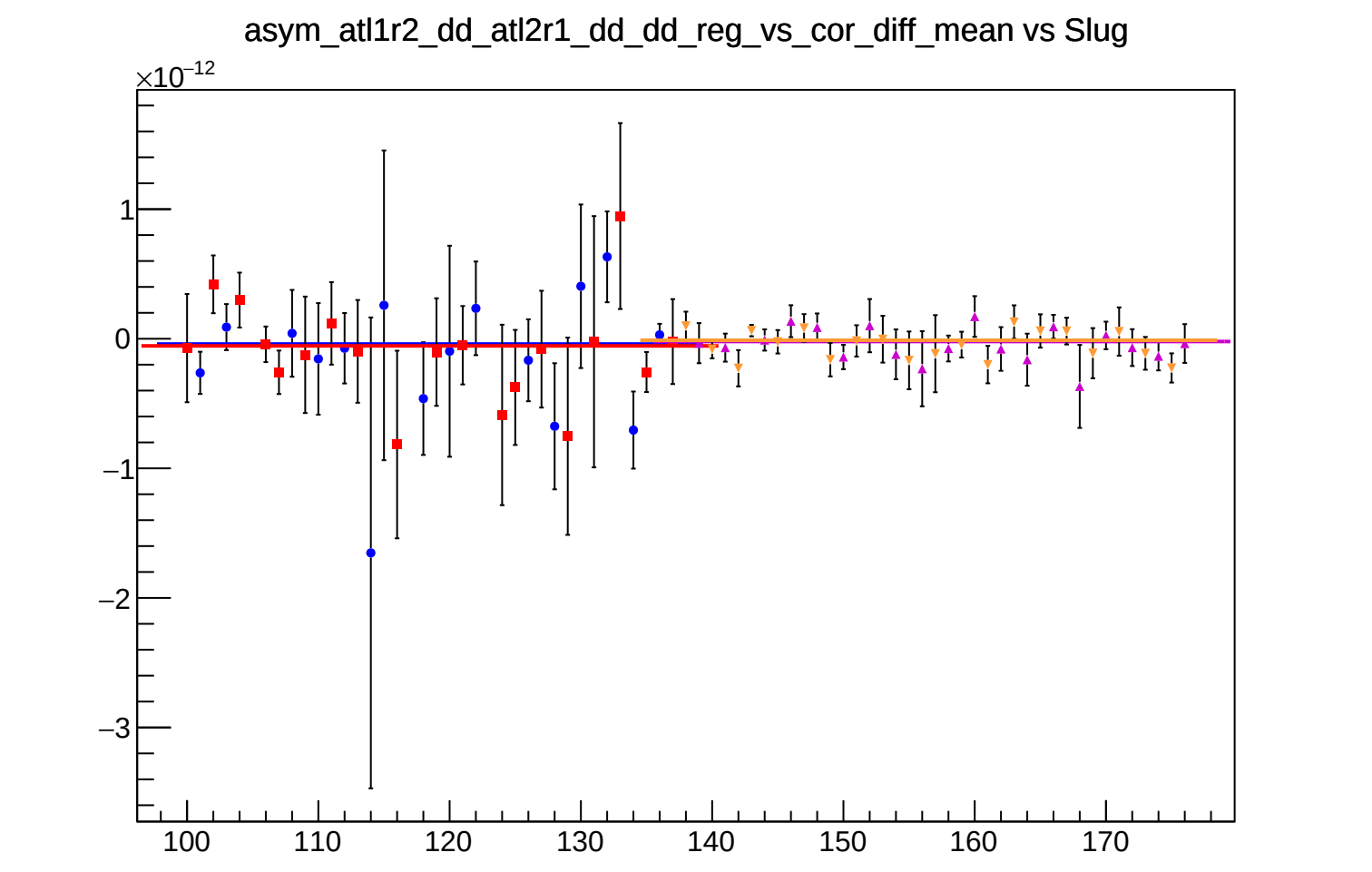
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4358.299+/-0.796 χ^2/NDF:945027.1/18

+ sign 3980.828+/-0.601 χ^2/NDF: 1862853.9/35

All: 3986.460+/-0.426 χ^2/NDF: 3895943.0/73

- sign 3992.174+/-0.605 χ^2/NDF: 2032912.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/19

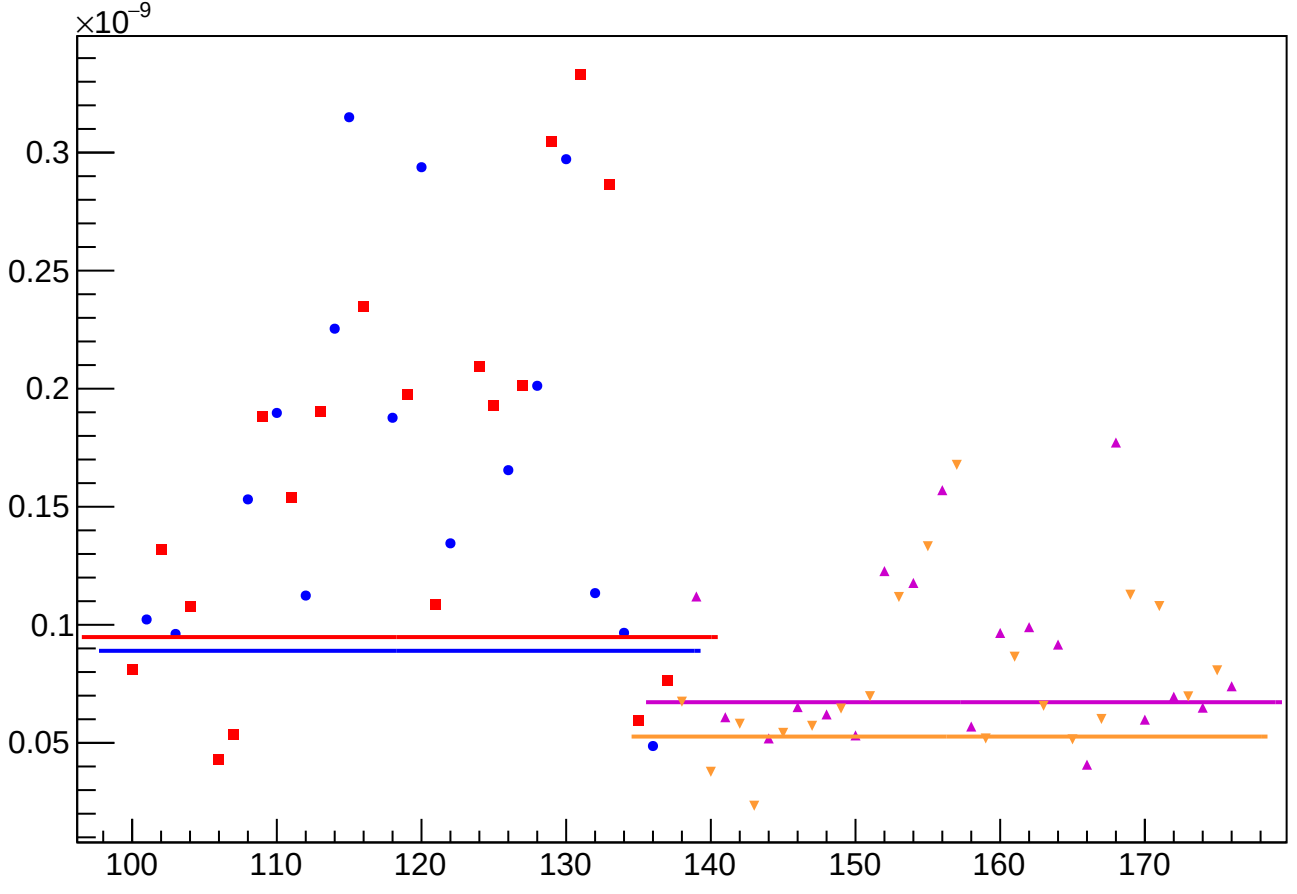
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/35

All: -0.000+/-0.000 χ^2/NDF: 63.6/73

- sign -0.000+/-0.000 χ^2/NDF: 28.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2521984.4/19

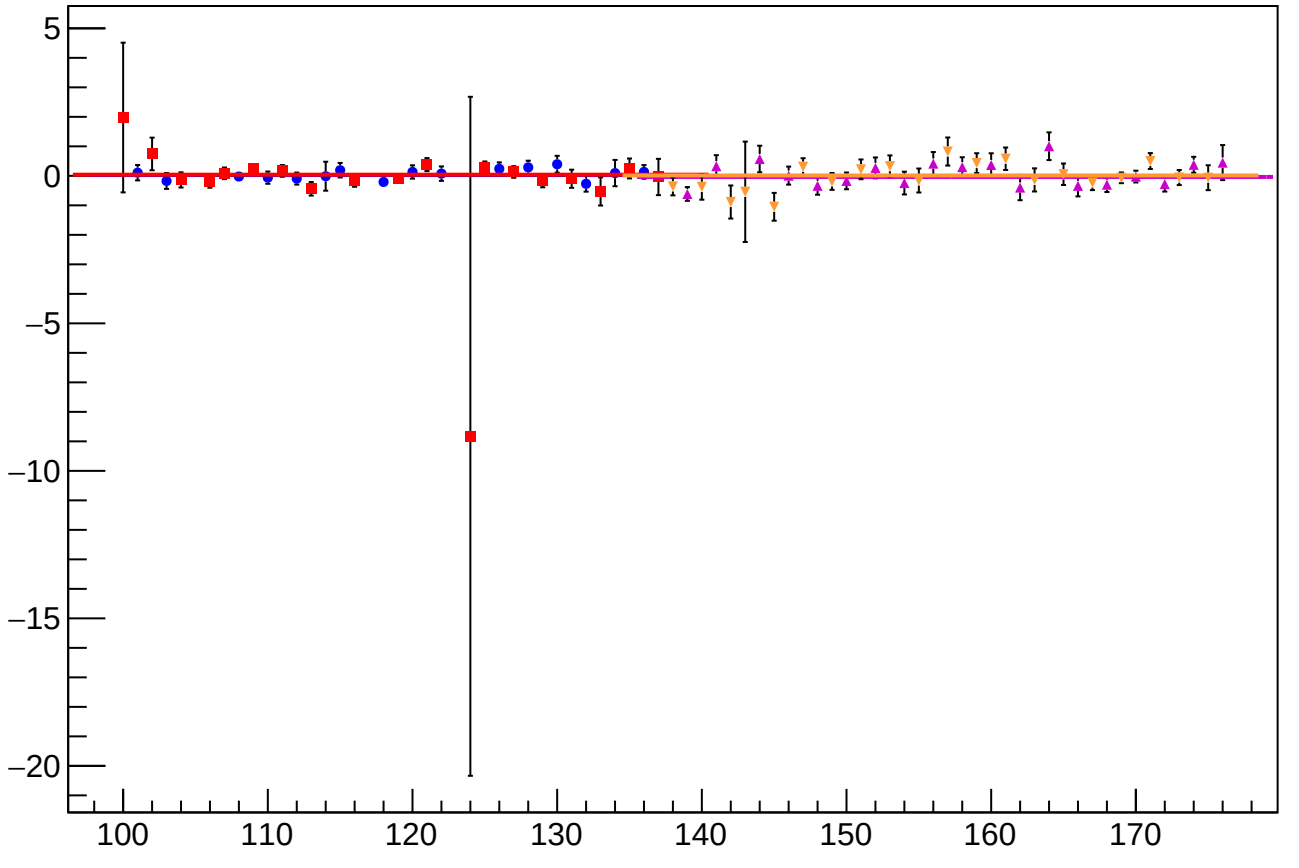
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1380140.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 4636836.9/35

All: 0.000+/-0.000 χ^2/NDF: 8408038.5/73

- sign 0.000+/-0.000 χ^2/NDF: 3423726.1/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

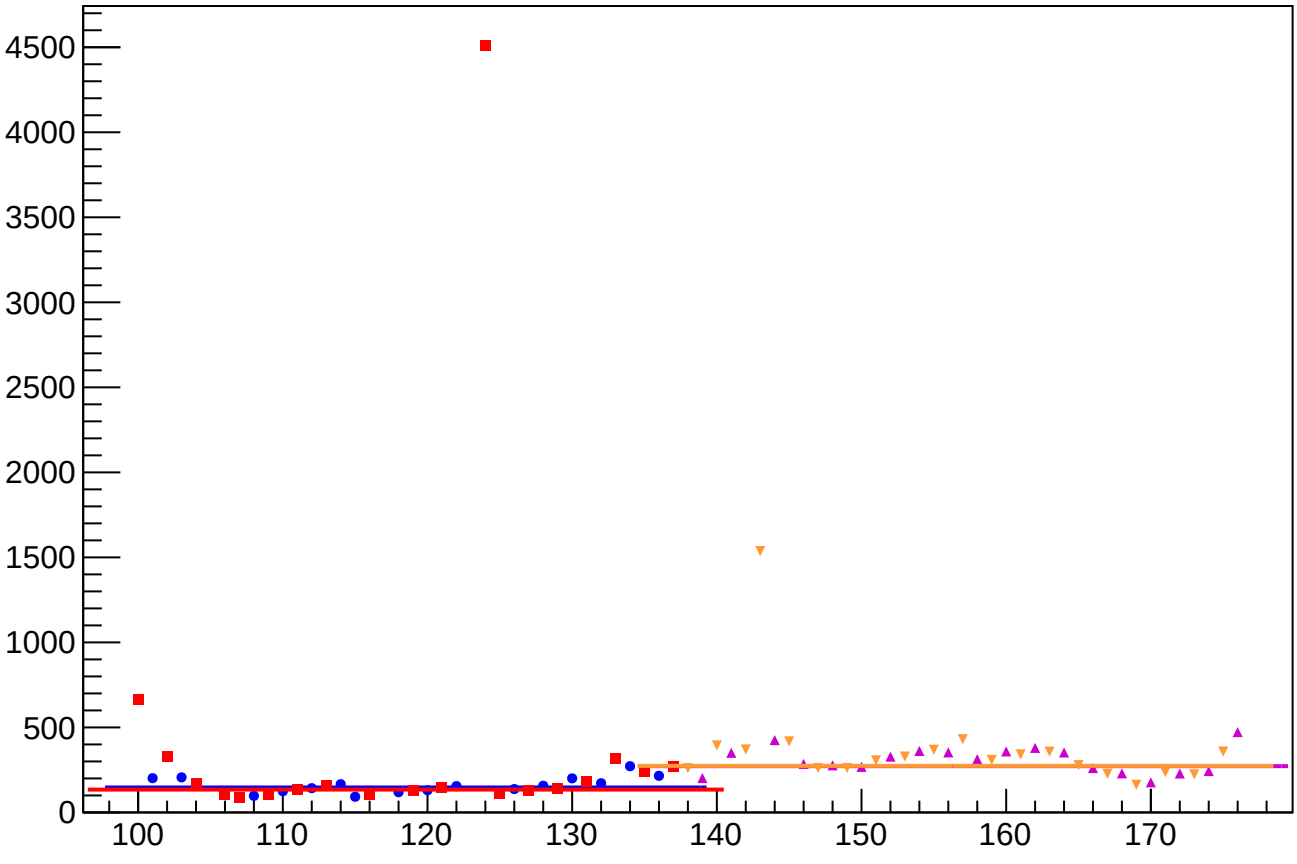
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.017+/-0.031 χ^2/NDF: 80.3/73

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

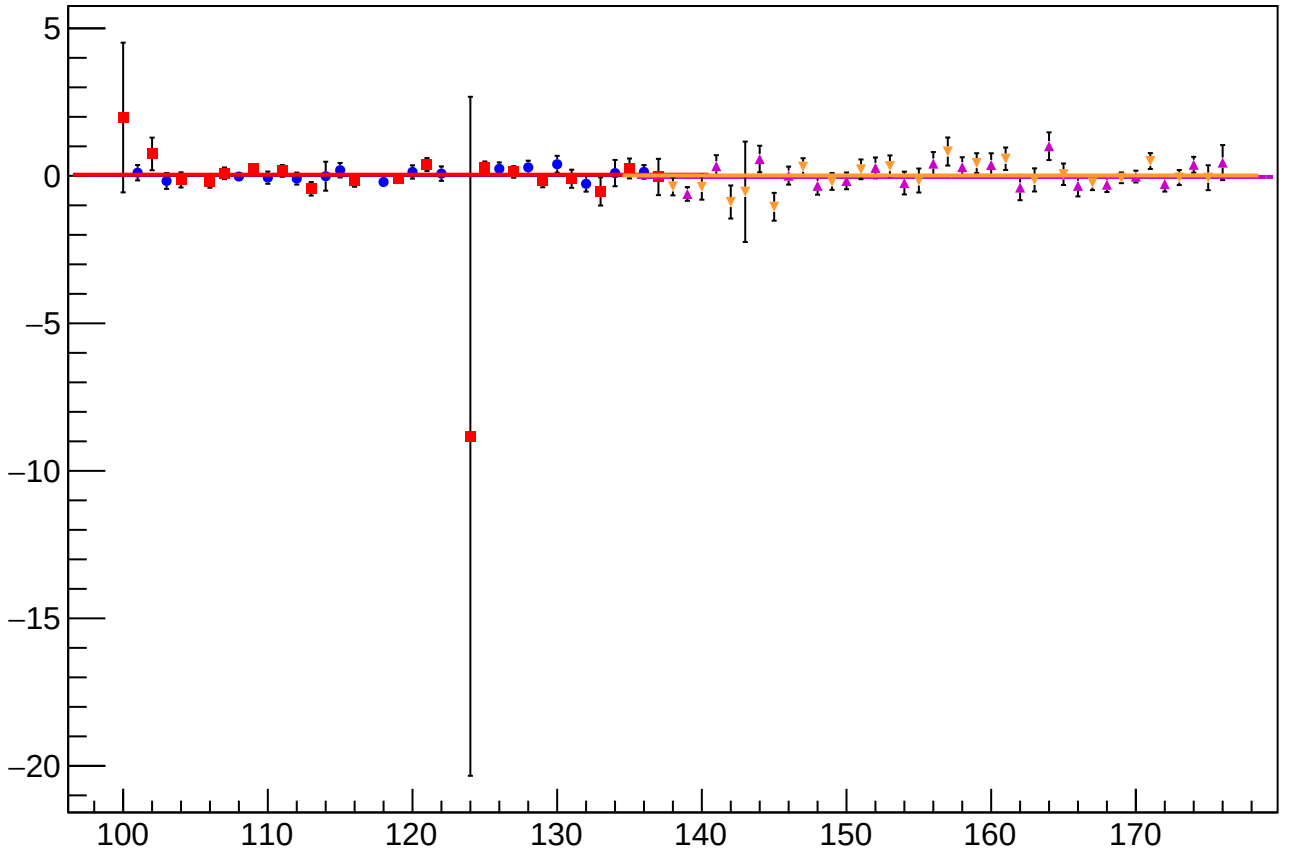
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

+ sign 195.414+/-0.032 χ^2/NDF: 7803505.3/35

All: 189.900+/-0.022 χ^2/NDF: 15961170.6/73

- sign 184.794+/-0.031 χ^2/NDF: 8100751.7/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

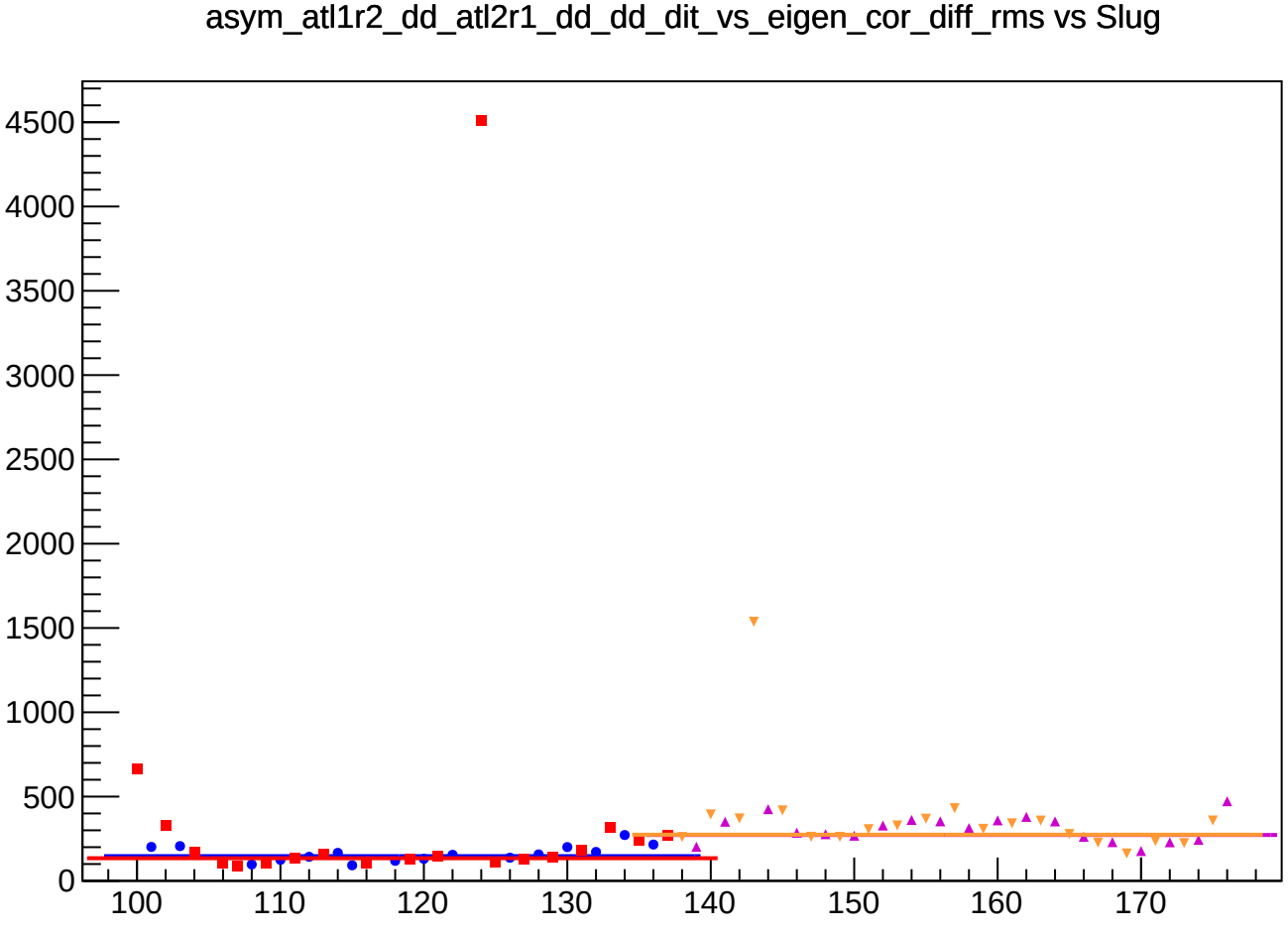
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.017+/-0.031 χ^2/NDF: 80.3/73

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

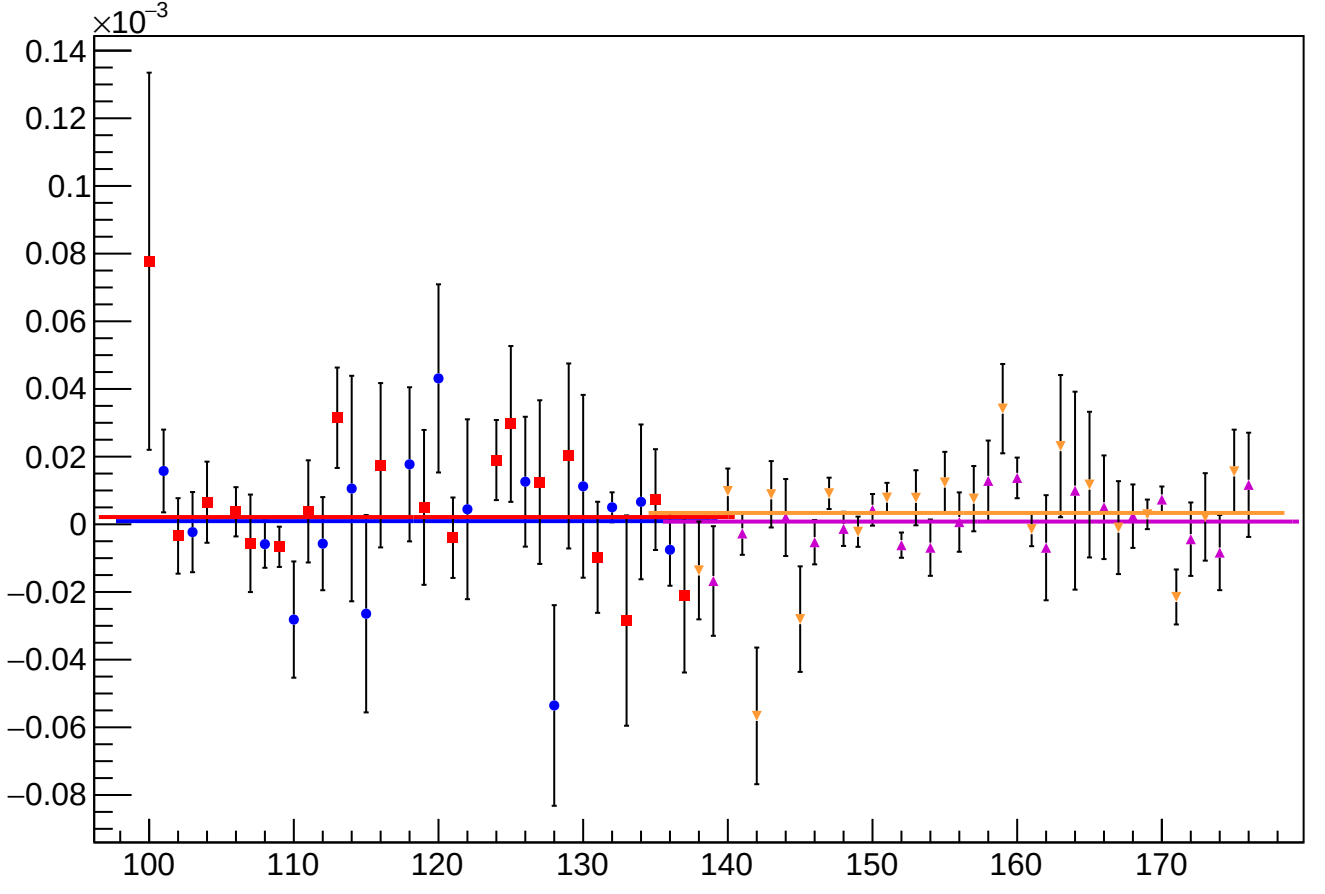
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

+ sign 195.414+/-0.032 χ^2/NDF: 7803505.3/35

All: 189.900+/-0.022 χ^2/NDF: 15961170.6/73

- sign 184.794+/-0.031 χ^2/NDF: 8100751.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.0/19

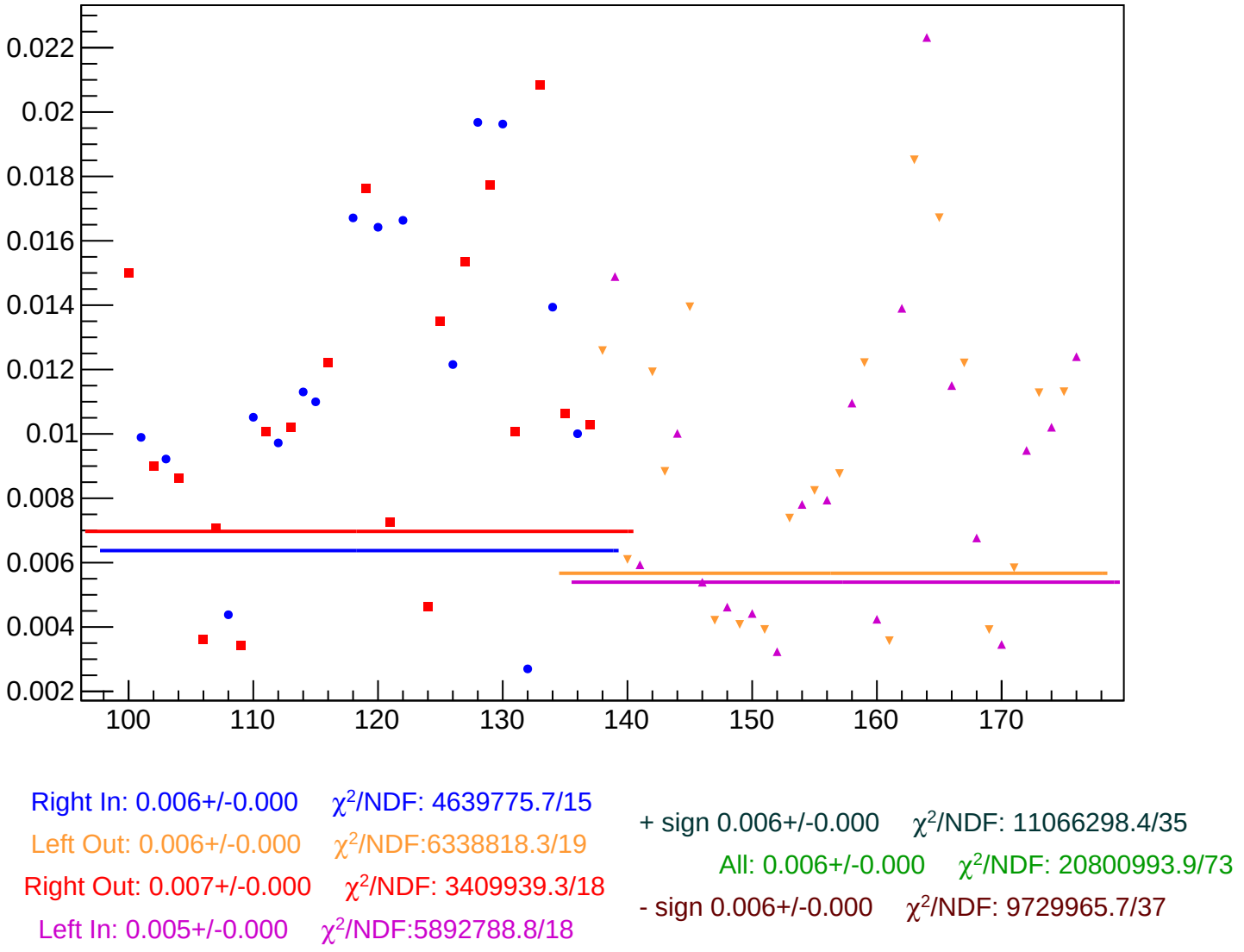
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

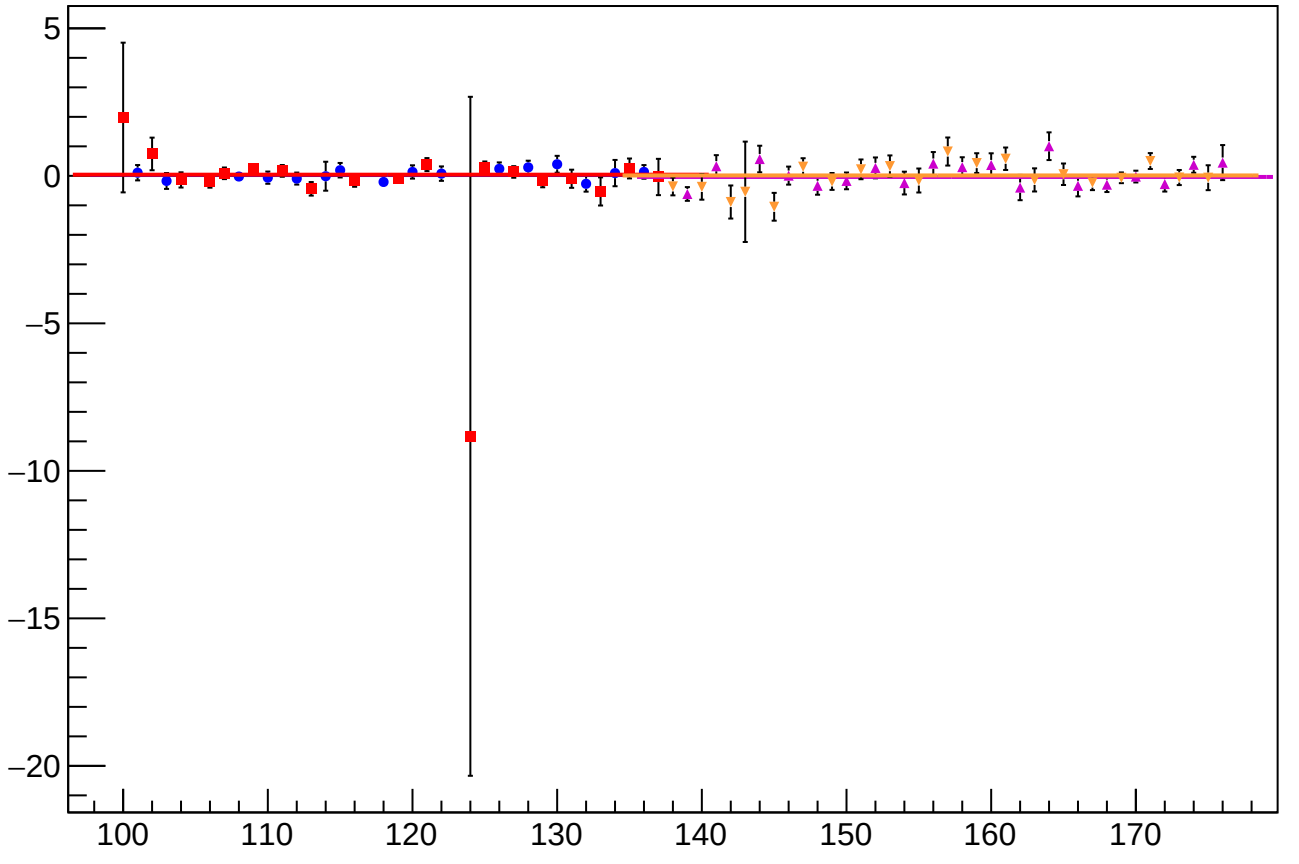
Left In: 0.000+/-0.000 χ^2/NDF:17.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 54.4/35

All: 0.000+/-0.000 χ^2/NDF: 89.1/73

- sign 0.000+/-0.000 χ^2/NDF: 34.0/37


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.006+/-0.000 χ²/NDF:6338818.3/19
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.005+/-0.000 χ²/NDF:5892788.8/18
+ sign 0.006+/-0.000 χ²/NDF: 11066298.4/35
All: 0.006+/-0.000 χ²/NDF: 20800993.9/73
- sign 0.006+/-0.000 χ²/NDF: 9729965.7/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

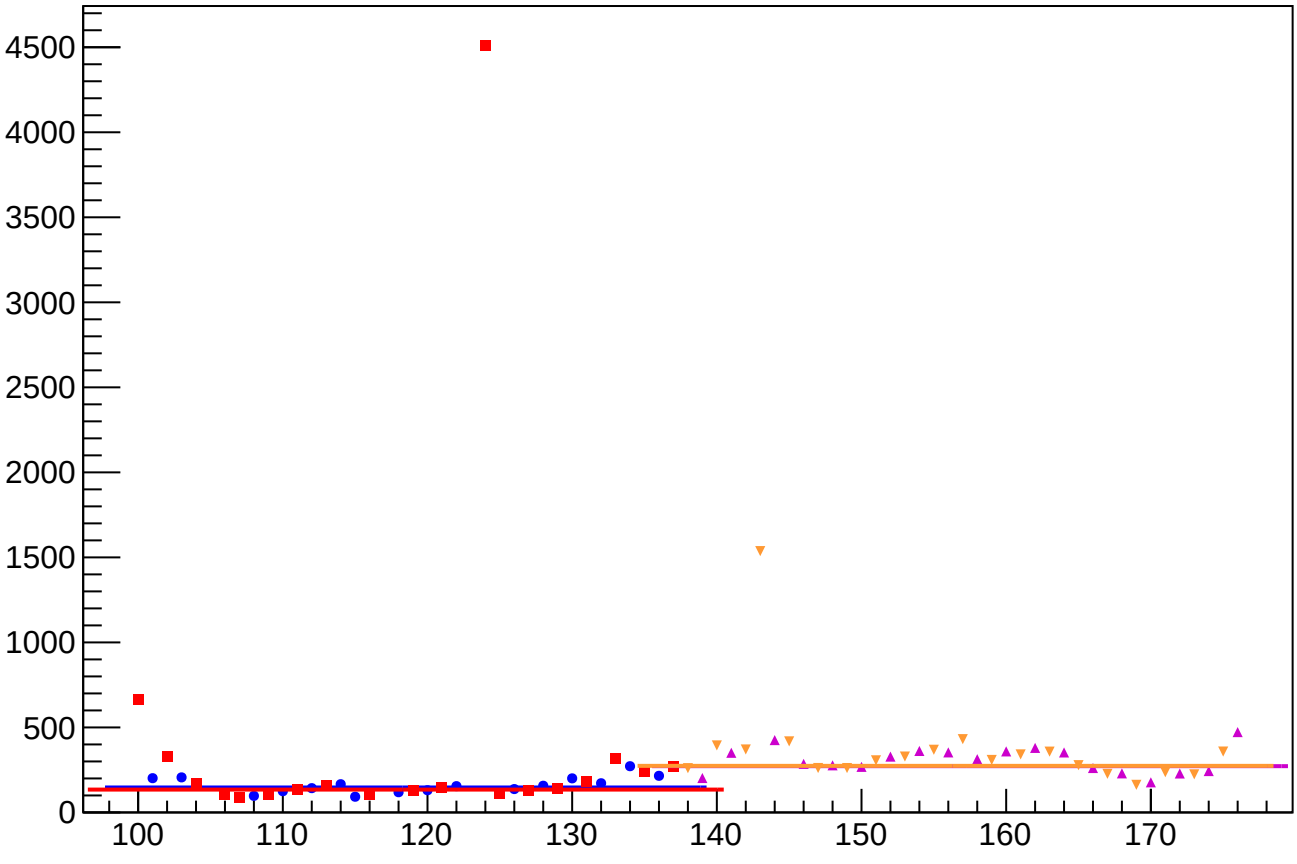
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.017+/-0.031 χ^2/NDF: 80.3/73

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

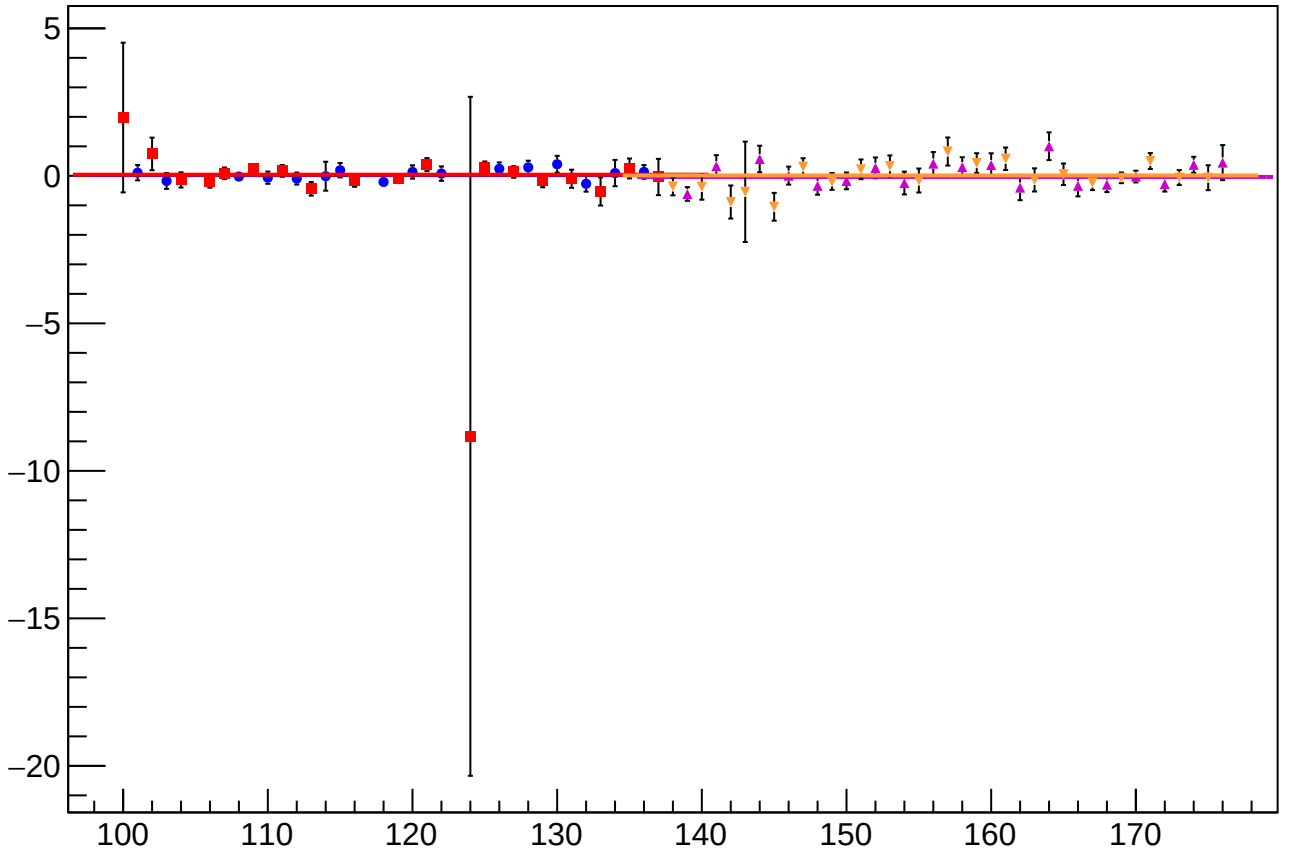
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

+ sign 195.414+/-0.032 χ^2/NDF: 7803580.4/35

All: 189.900+/-0.022 χ^2/NDF: 15961179.8/73

- sign 184.796+/-0.031 χ^2/NDF: 8100703.5/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

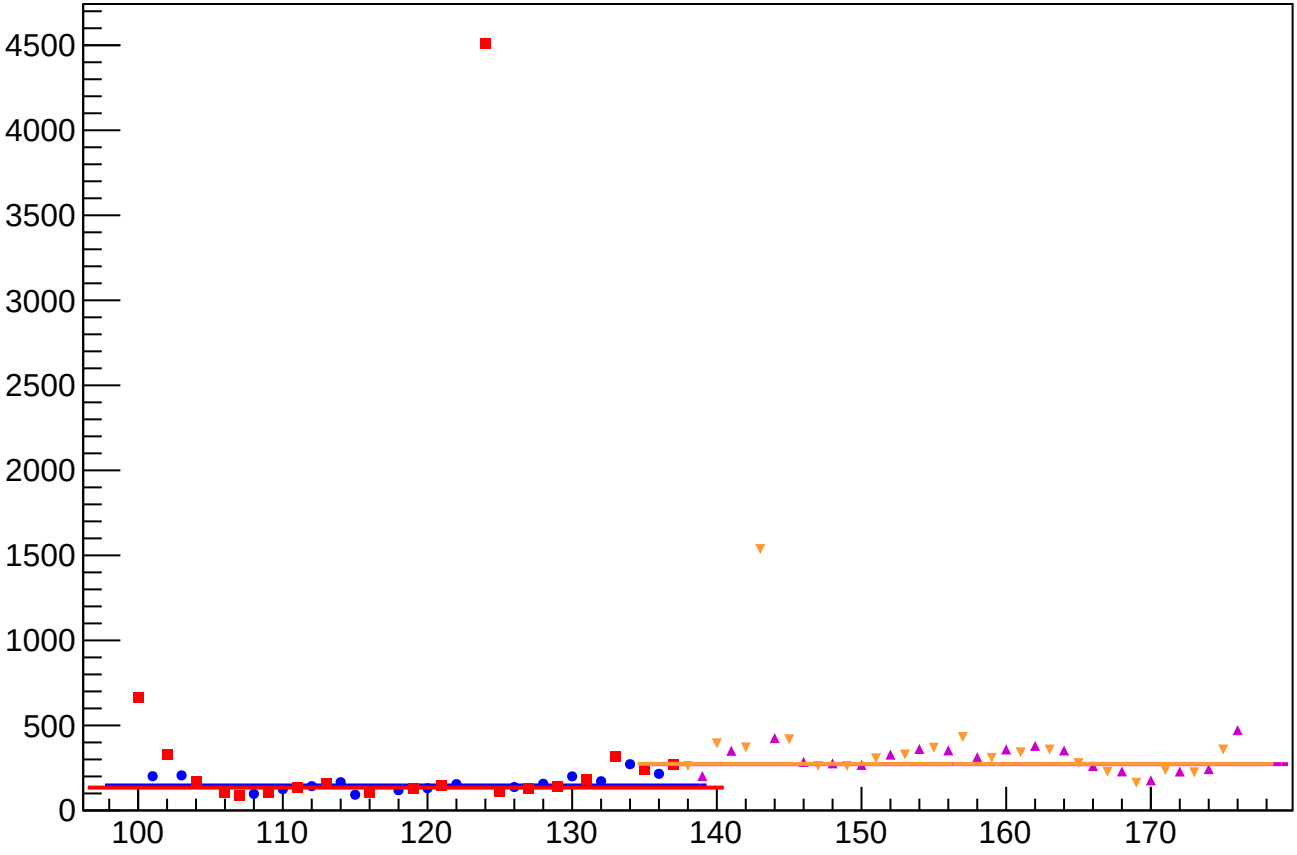
Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.023+/-0.045 χ^2/NDF: 33.7/35

All: 0.017+/-0.031 χ^2/NDF: 80.3/73

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

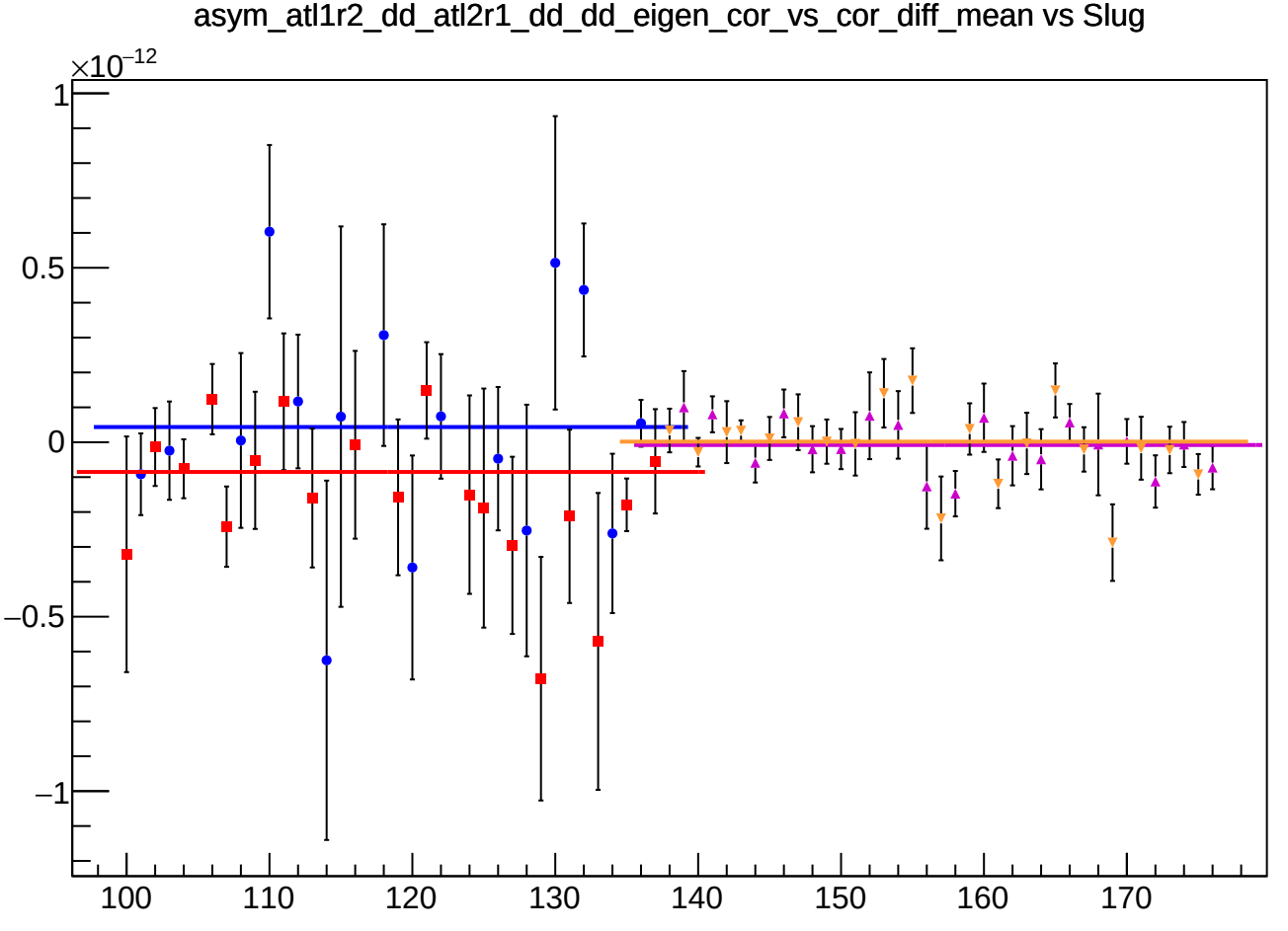
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

+ sign 195.414+/-0.032 χ^2/NDF: 7803580.4/35

All: 189.900+/-0.022 χ^2/NDF: 15961179.8/73

- sign 184.796+/-0.031 χ^2/NDF: 8100703.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

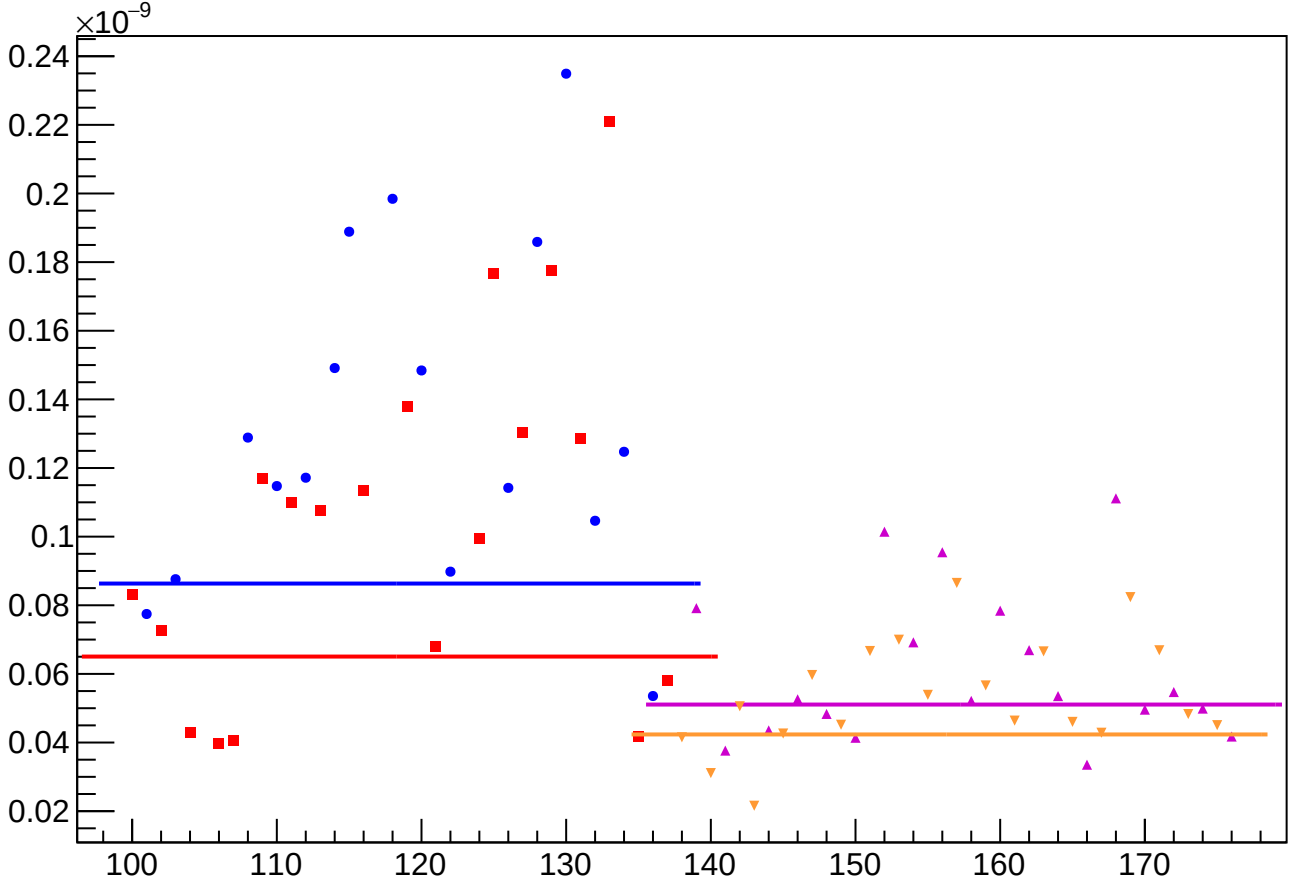
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 48.0/35

All: -0.000+/-0.000 χ^2/NDF: 90.8/73

- sign -0.000+/-0.000 χ^2/NDF: 40.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2525386.2/19

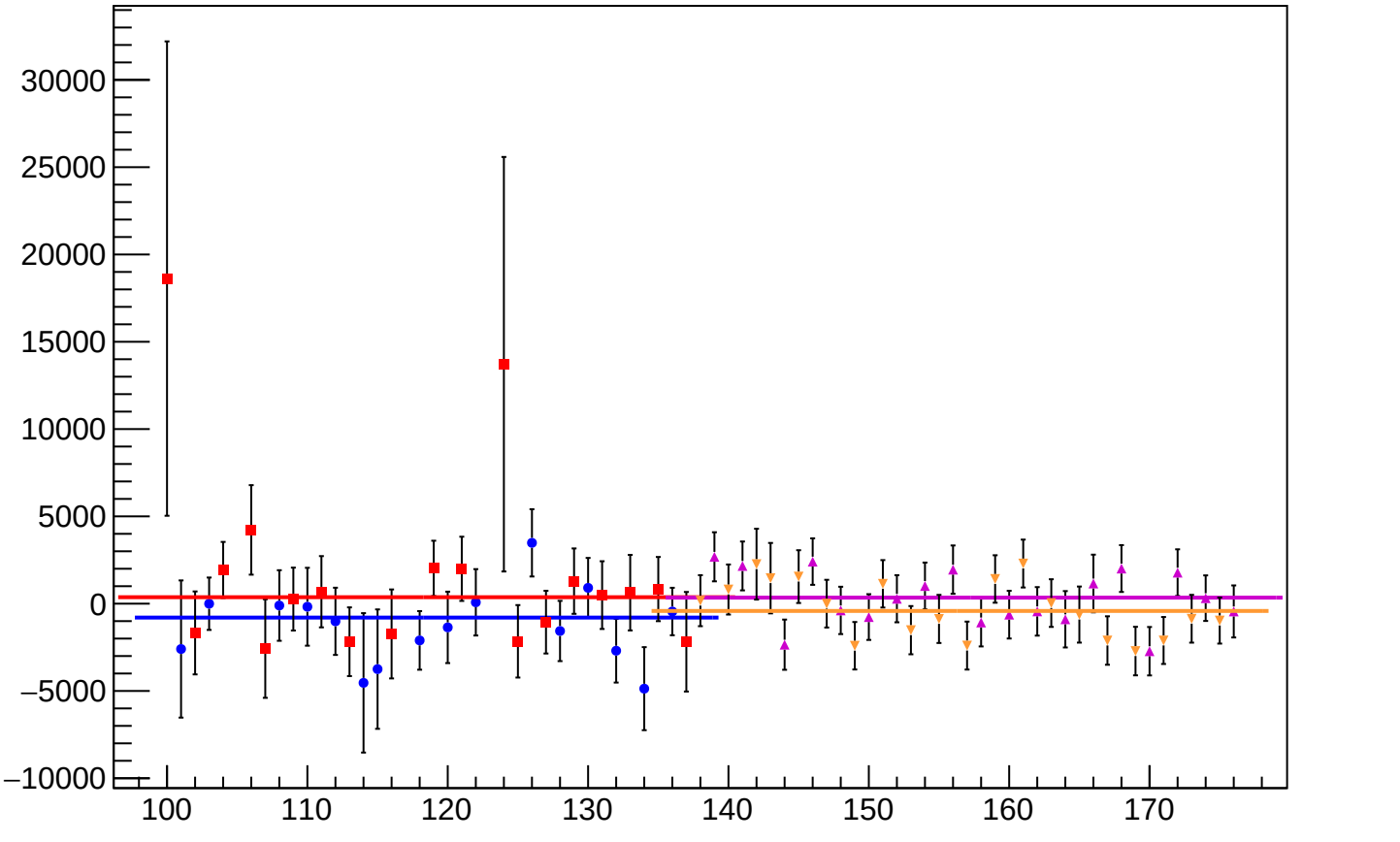
Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1882647.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 5993964.1/35

All: 0.000+/-0.000 χ^2/NDF: 10540478.8/73

- sign 0.000+/-0.000 χ^2/NDF: 4312802.5/37



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -417.294+/-319.809 χ^2/NDF:23.5/19

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

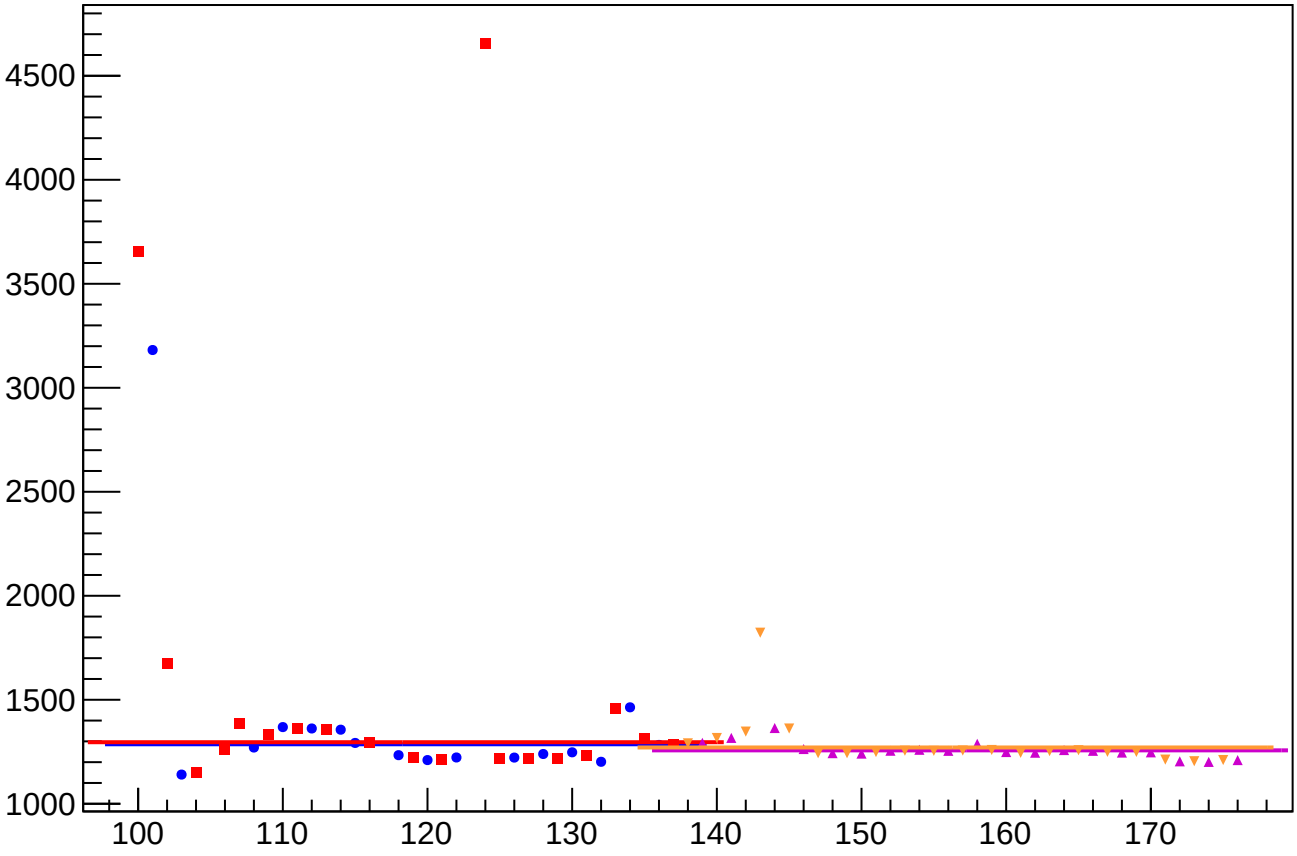
Left In: 344.707+/-318.942 χ^2/NDF:23.6/18

+ sign -531.639+/-267.396 χ^2/NDF: 37.4/35

All: -88.372+/-188.803 χ^2/NDF: 82.0/73

- sign 352.328+/-266.621 χ^2/NDF: 39.2/37

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

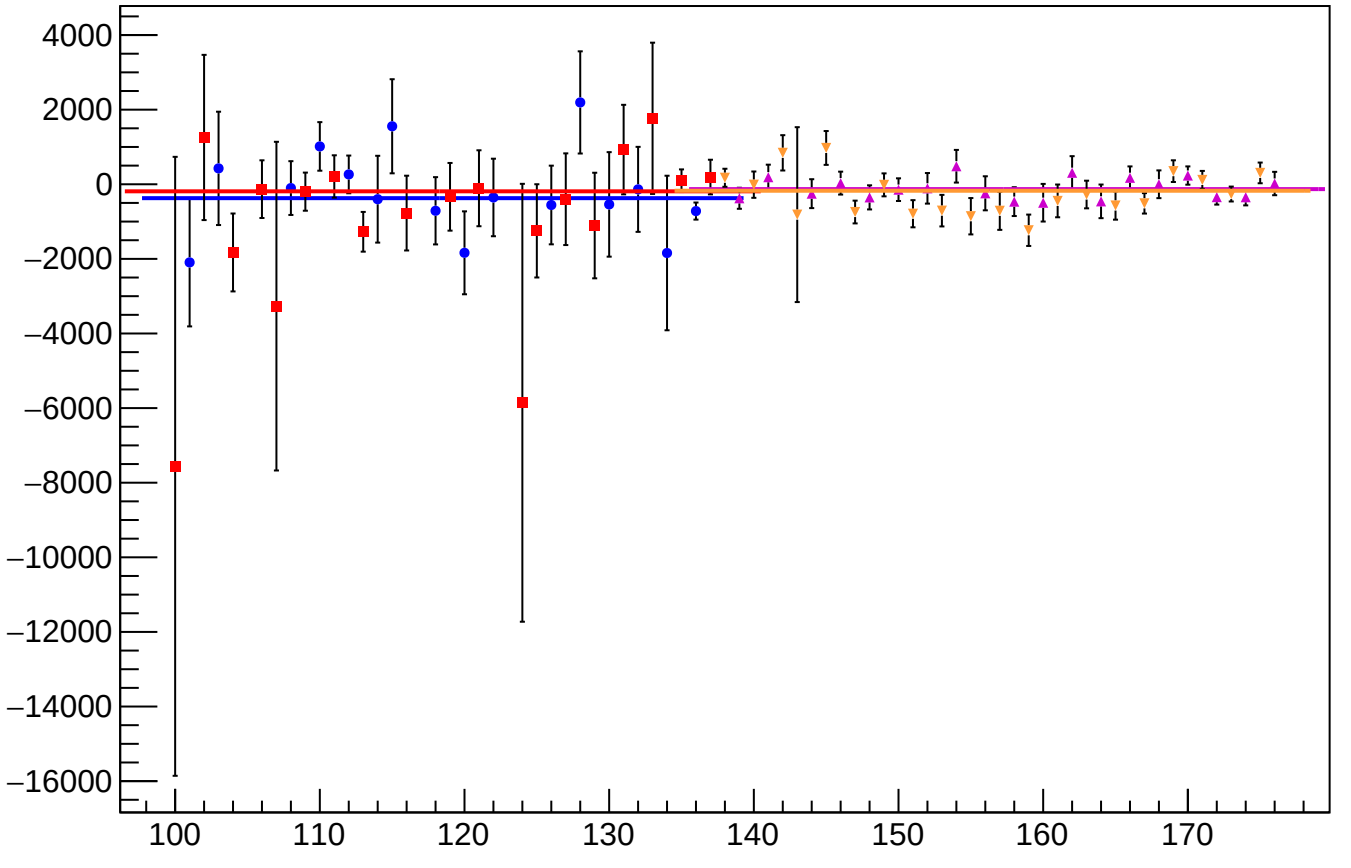
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

+ sign 1275.301+/-0.189 χ^2/NDF: 699535.4/35

All: 1271.935+/-0.134 χ^2/NDF: 1064196.0/73

- sign 1268.589+/-0.189 χ^2/NDF: 364028.8/37



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -173.360+/-74.015 χ^2/NDF:41.9/19

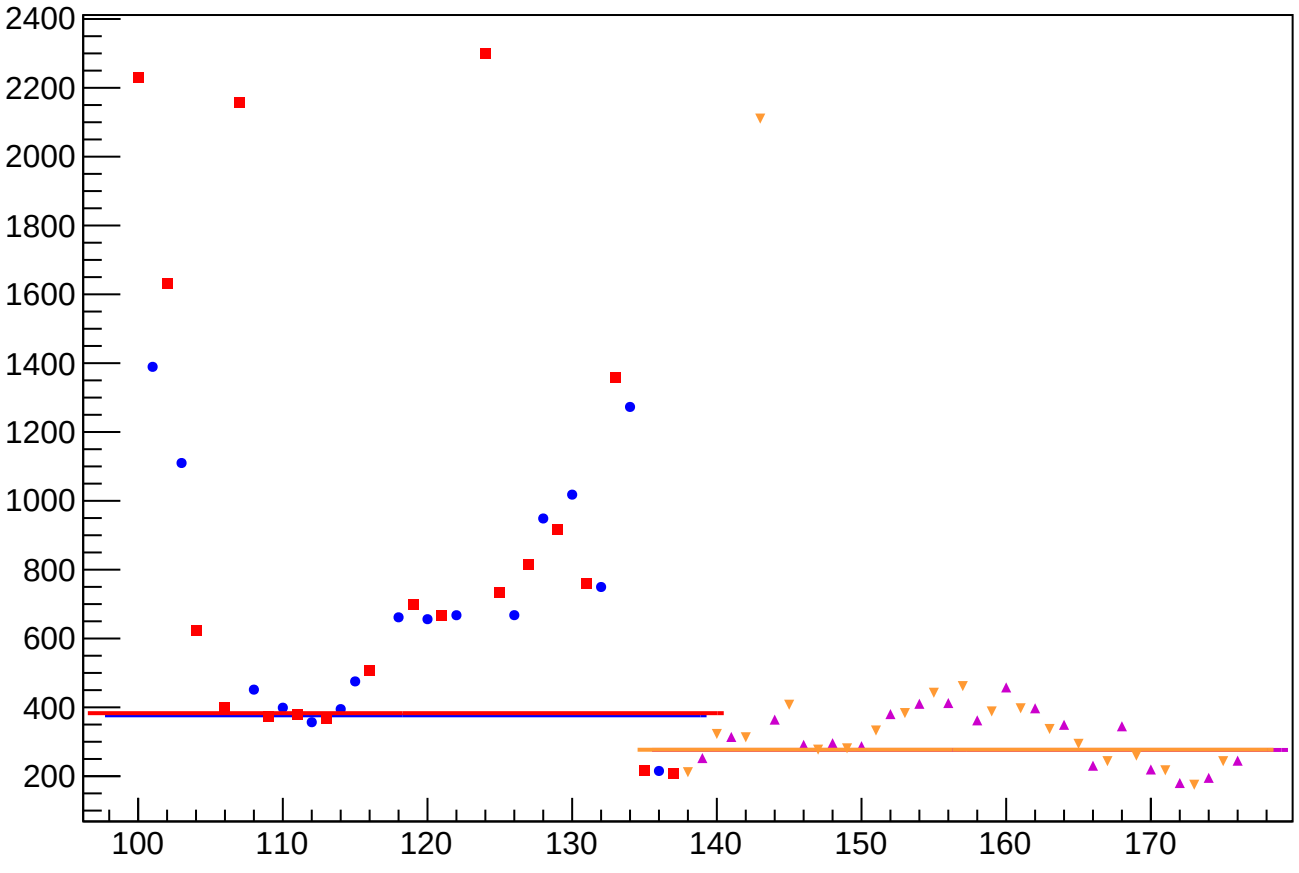
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -129.752+/-73.266 χ^2/NDF:13.0/18

+ sign -205.636+/-67.746 χ^2/NDF: 61.3/35

All: -172.109+/-47.730 χ^2/NDF: 89.5/73

- sign -139.064+/-67.257 χ^2/NDF: 27.7/37



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 276.848+/-0.052 χ^2/NDF:3300805.1/19

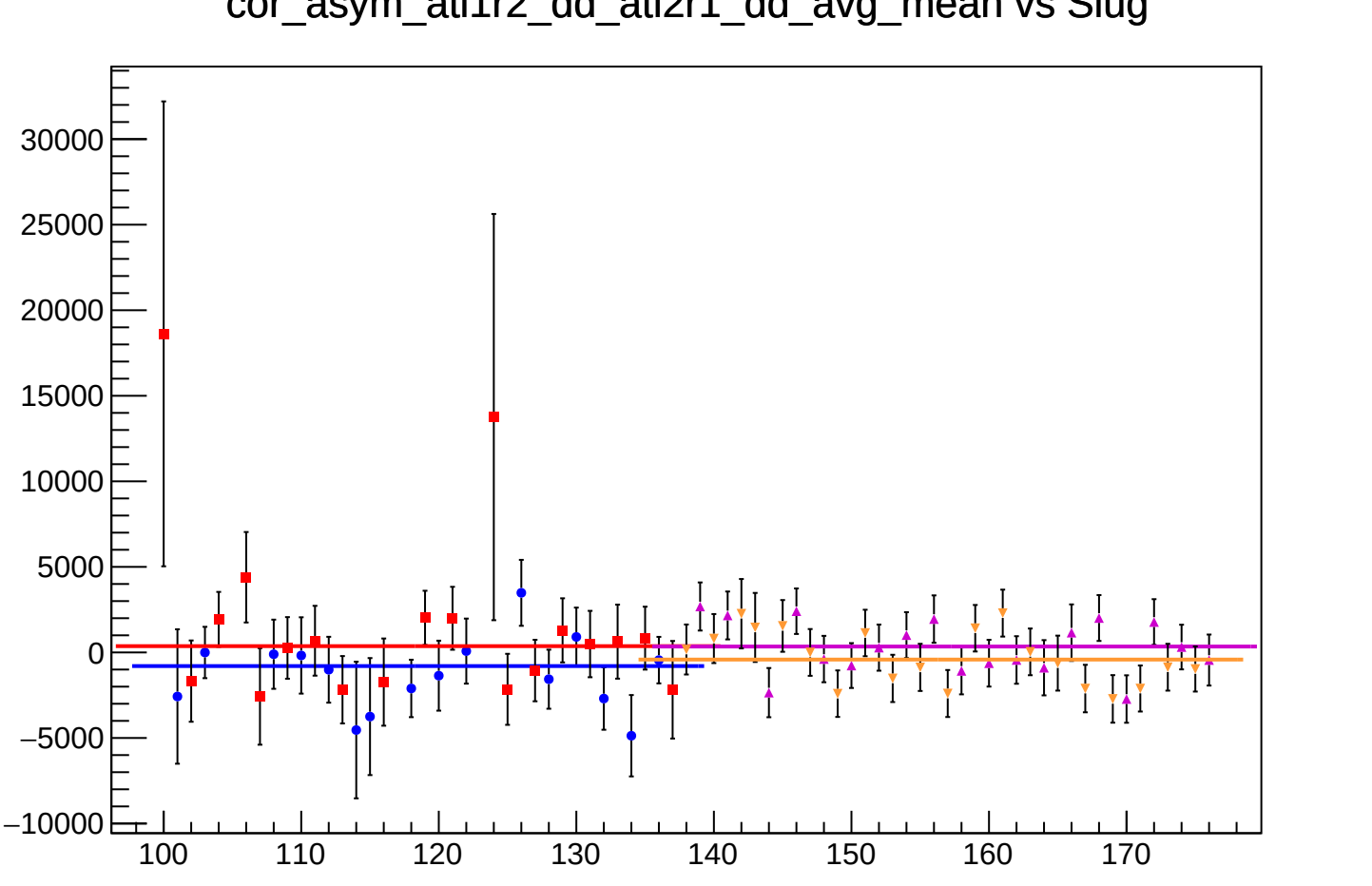
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 276.202+/-0.052 χ^2/NDF:2186294.9/18

+ sign 293.077+/-0.048 χ^2/NDF: 8083762.3/35

All: 293.045+/-0.034 χ^2/NDF: 14993604.0/73

- sign 293.014+/-0.048 χ^2/NDF: 6909840.8/37



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

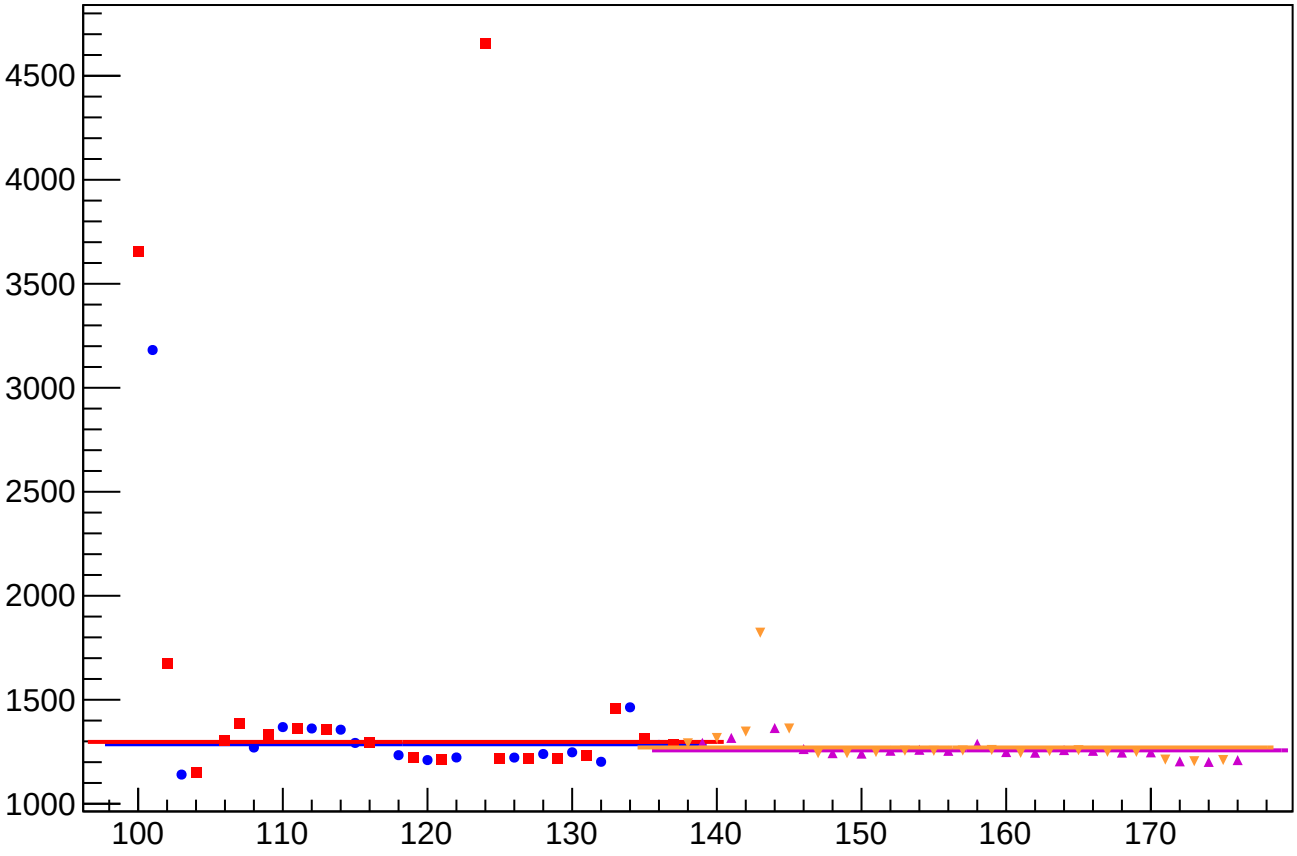
Left In: 344.660+/-318.942 χ^2/NDF:23.6/18

\+ sign -531.490+/-267.396 χ^2/NDF: 37.4/35

All: -88.845+/-188.834 χ^2/NDF: 82.1/73

\- sign 351.521+/-266.707 χ^2/NDF: 39.3/37

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

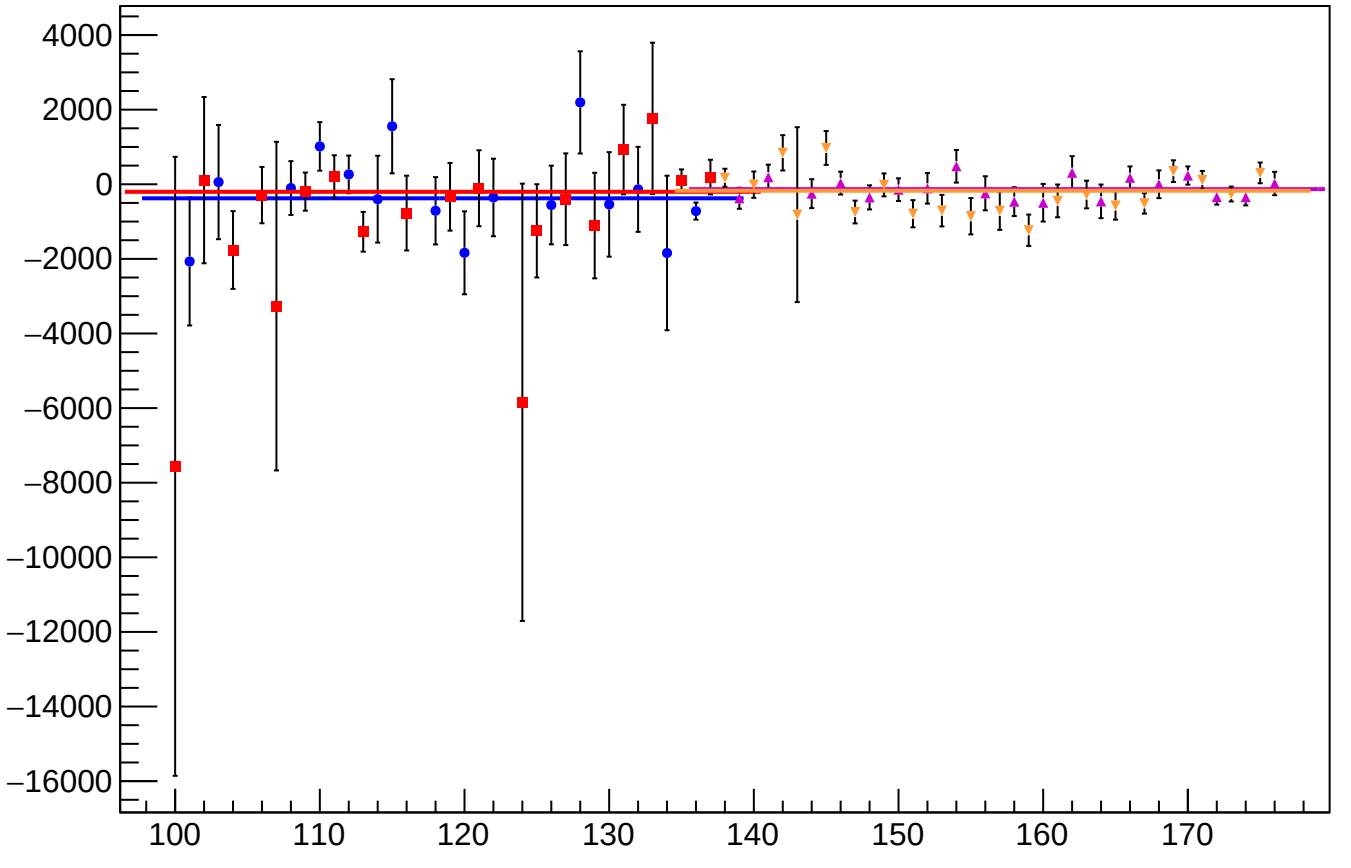
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

+ sign 1275.301+/-0.189 χ^2/NDF: 699536.8/35

All: 1272.146+/-0.134 χ^2/NDF: 1064463.1/73

- sign 1269.008+/-0.189 χ^2/NDF: 364371.0/37



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -173.341+/-74.017 χ^2/NDF:41.9/19

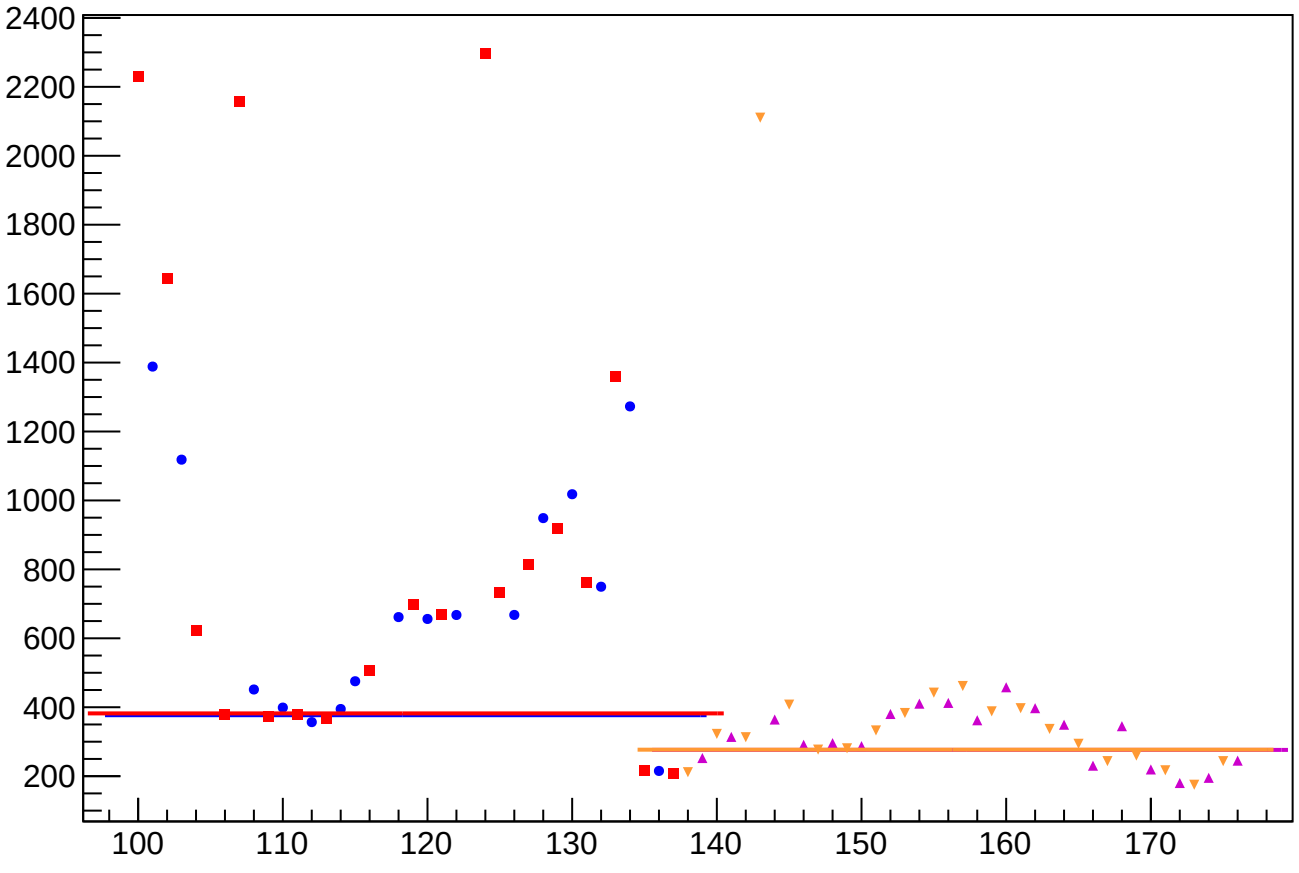
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -129.837+/-73.267 χ^2/NDF:13.0/18

+ sign -206.336+/-67.749 χ^2/NDF: 61.1/35

All: -173.542+/-47.727 χ^2/NDF: 88.7/73

- sign -141.234+/-67.246 χ^2/NDF: 27.2/37



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 276.857+/-0.052 χ^2/NDF:3300574.5/19

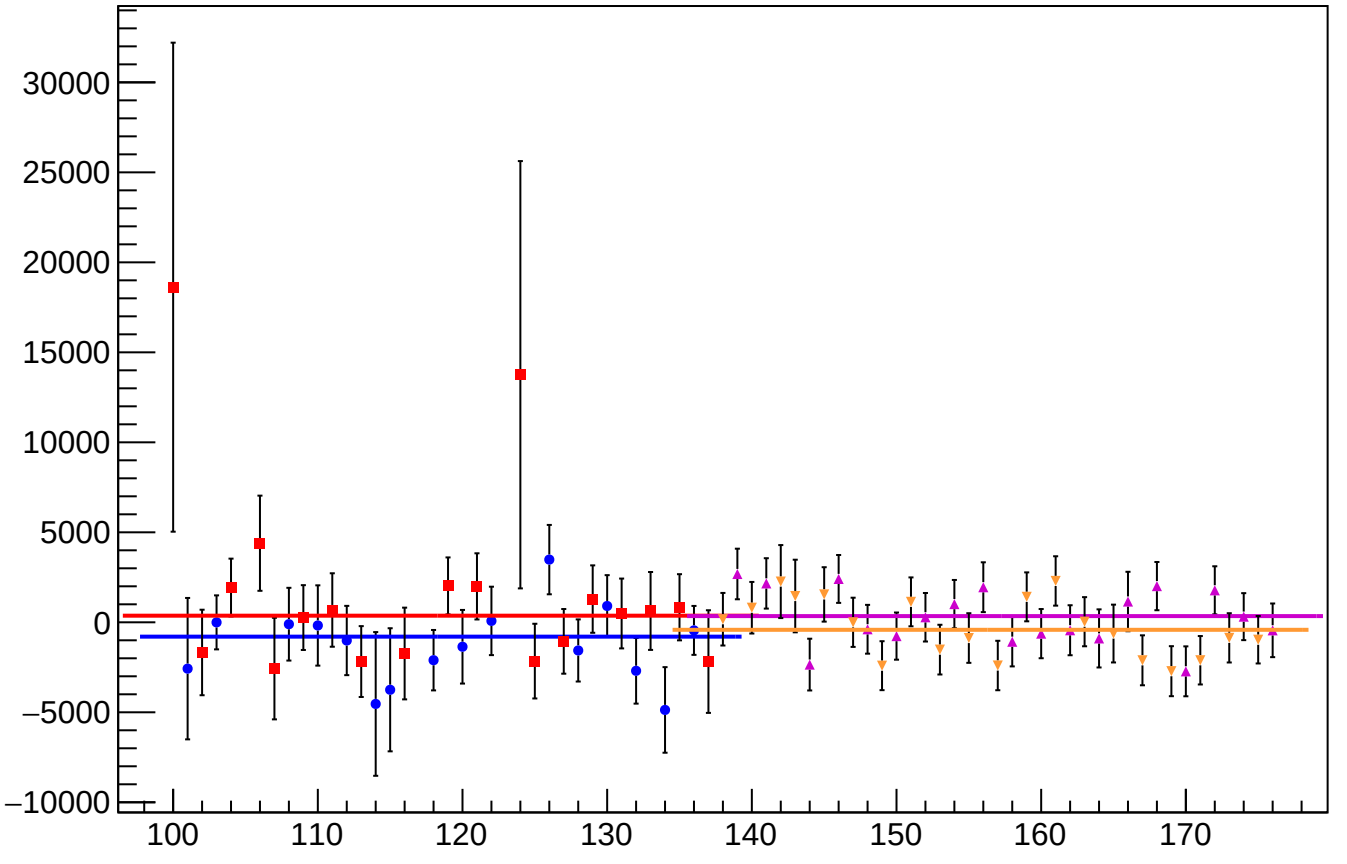
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

+ sign 293.081+/-0.048 χ^2/NDF: 8086324.7/35

All: 292.992+/-0.034 χ^2/NDF: 14990984.8/73

- sign 292.905+/-0.048 χ^2/NDF: 6904653.3/37



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

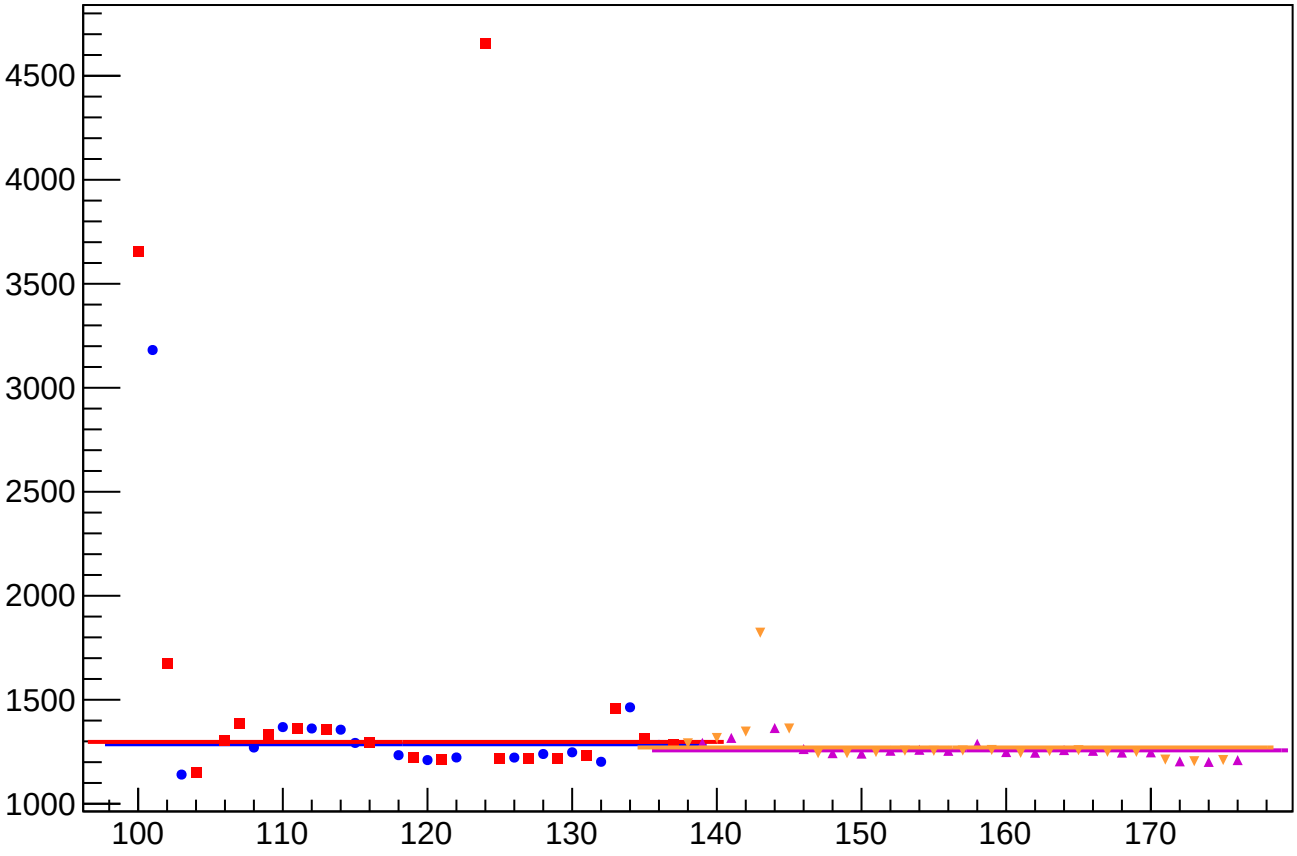
Left In: 344.660+/-318.942 χ^2/NDF:23.6/18

\+ sign -531.490+/-267.396 χ^2/NDF: 37.4/35

All: -88.845+/-188.834 χ^2/NDF: 82.1/73

\- sign 351.521+/-266.707 χ^2/NDF: 39.3/37

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: 1270.654+/-0.226 χ^2/NDF:180005.1/19

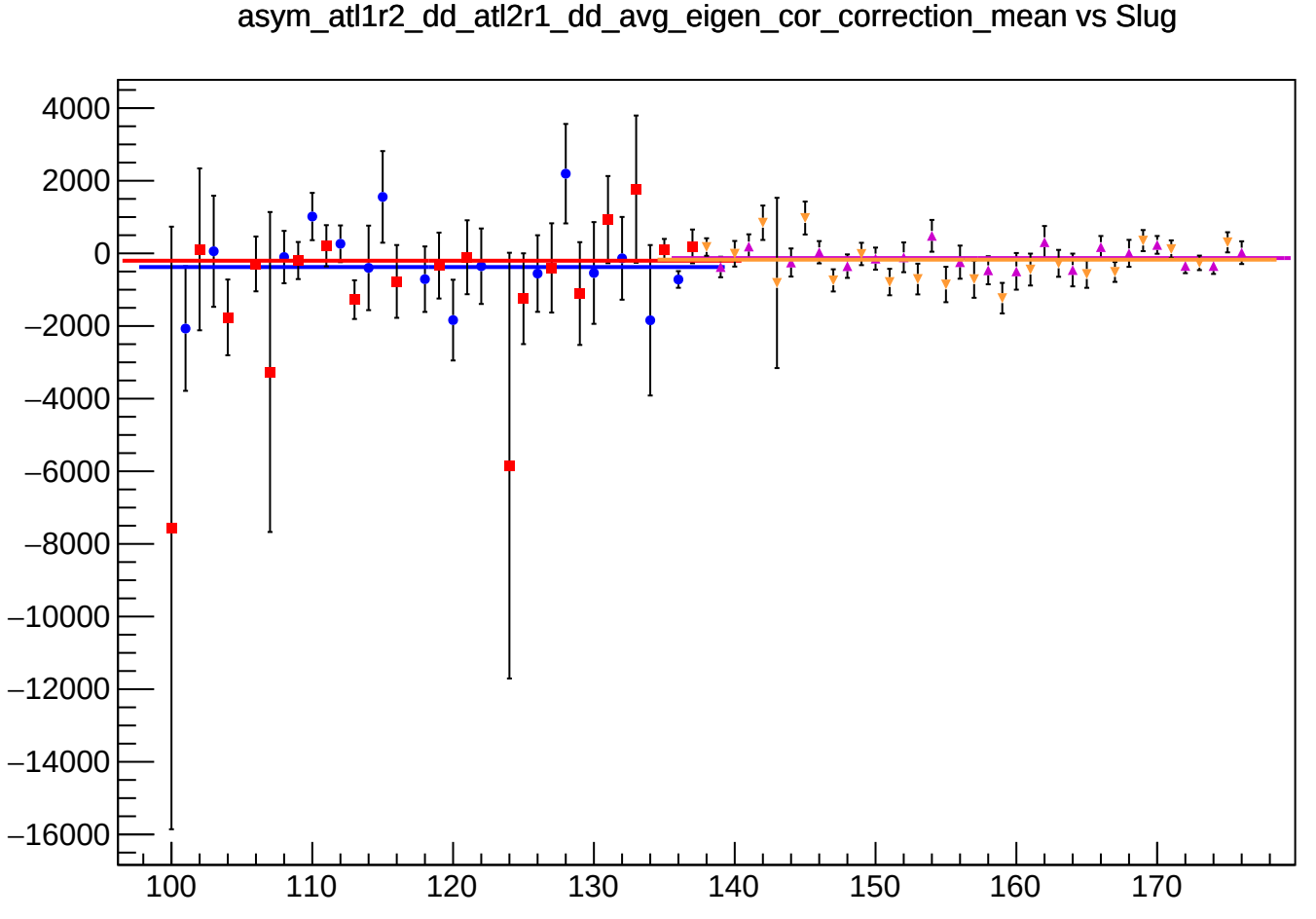
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

+ sign 1275.301+/-0.189 χ^2/NDF: 699536.8/35

All: 1272.146+/-0.134 χ^2/NDF: 1064463.1/73

- sign 1269.008+/-0.189 χ^2/NDF: 364371.0/37



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -173.341+/-74.017 χ^2/NDF:41.9/19

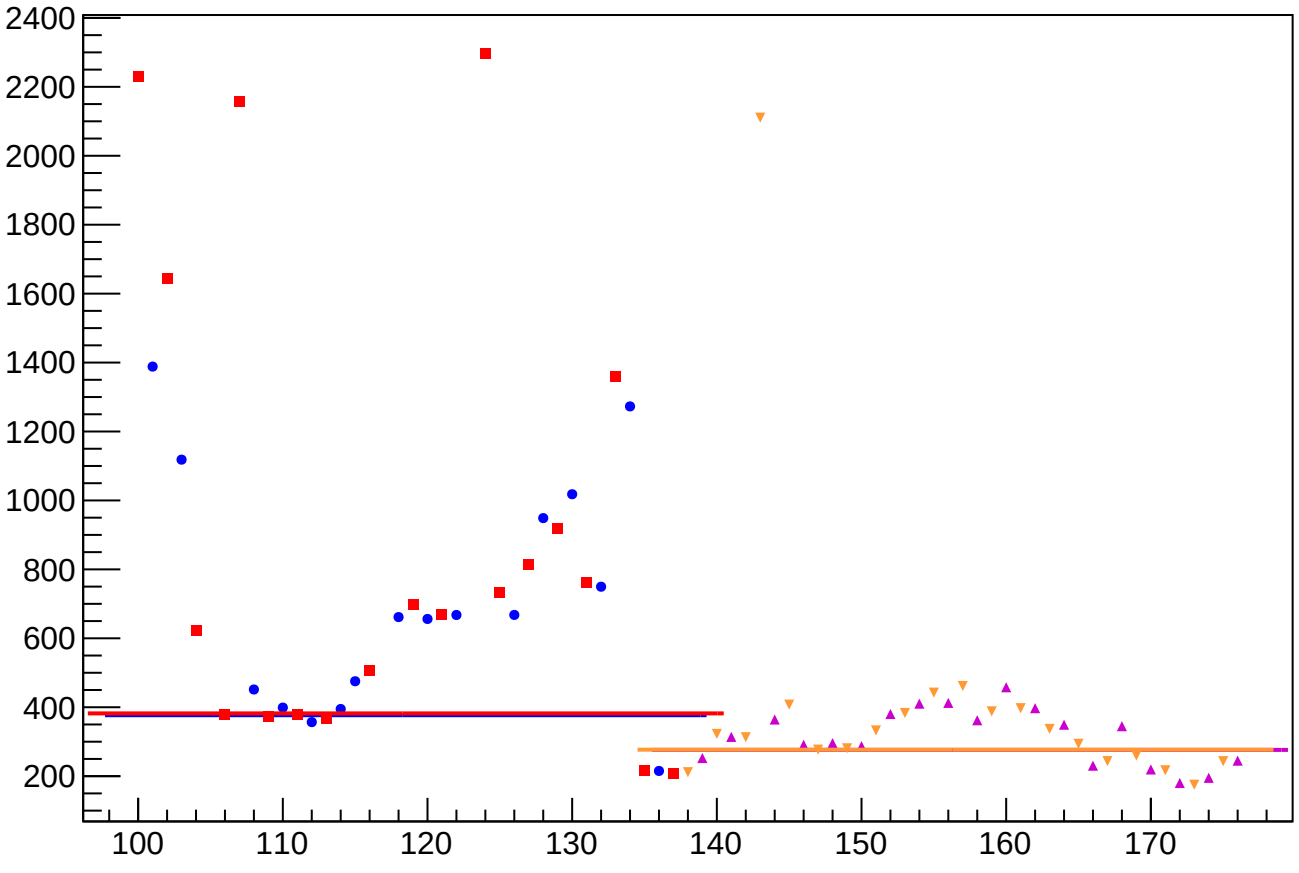
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -129.837+/-73.267 χ^2/NDF:13.0/18

+ sign -206.336+/-67.749 χ^2/NDF: 61.1/35

All: -173.542+/-47.727 χ^2/NDF: 88.7/73

- sign -141.234+/-67.246 χ^2/NDF: 27.2/37



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 276.857+/-0.052 χ^2/NDF:3300574.5/19

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

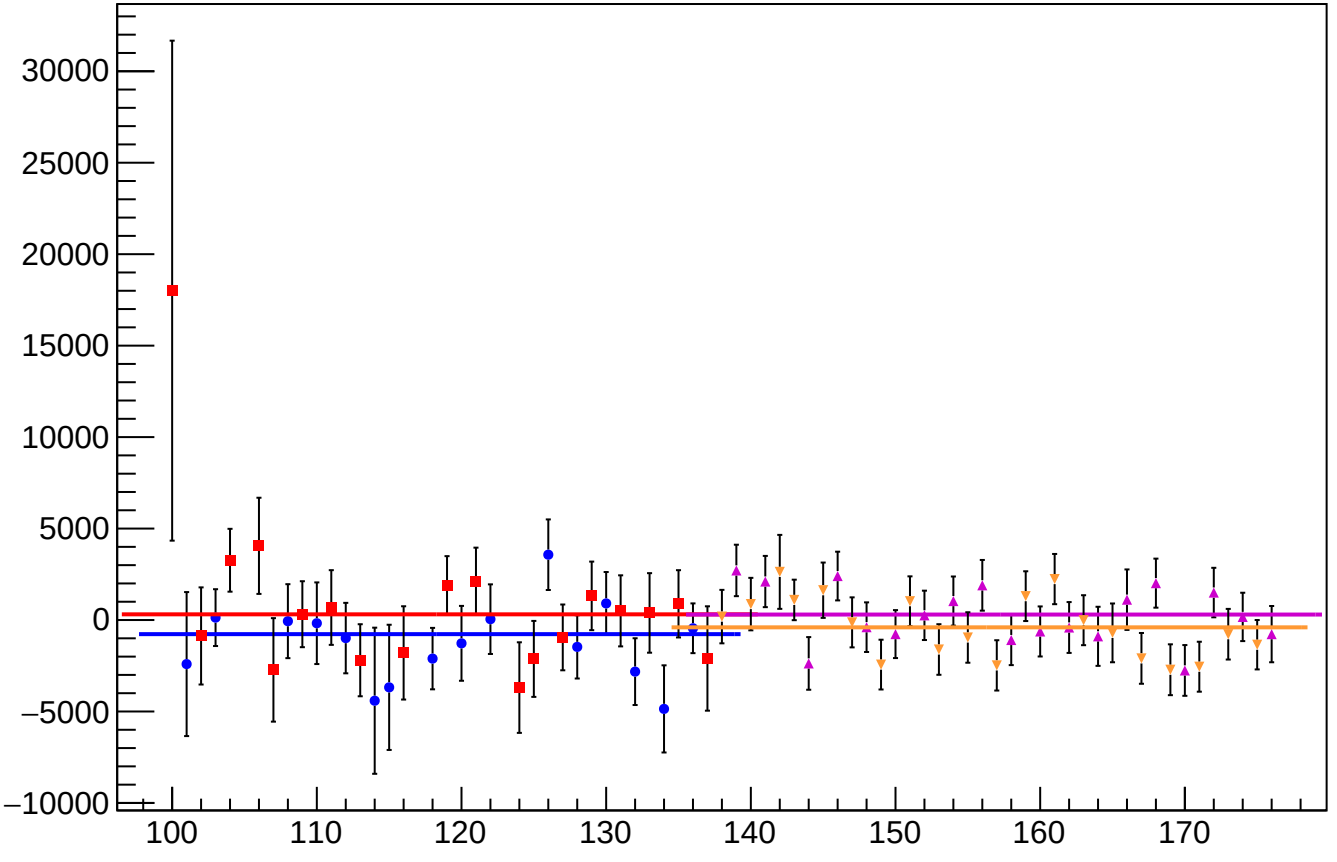
Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

+ sign 293.081+/-0.048 χ^2/NDF: 8086324.7/35

All: 292.992+/-0.034 χ^2/NDF: 14990984.8/73

- sign 292.905+/-0.048 χ^2/NDF: 6904653.3/37

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -399.922+/-311.835 χ^2/NDF:26.1/19

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

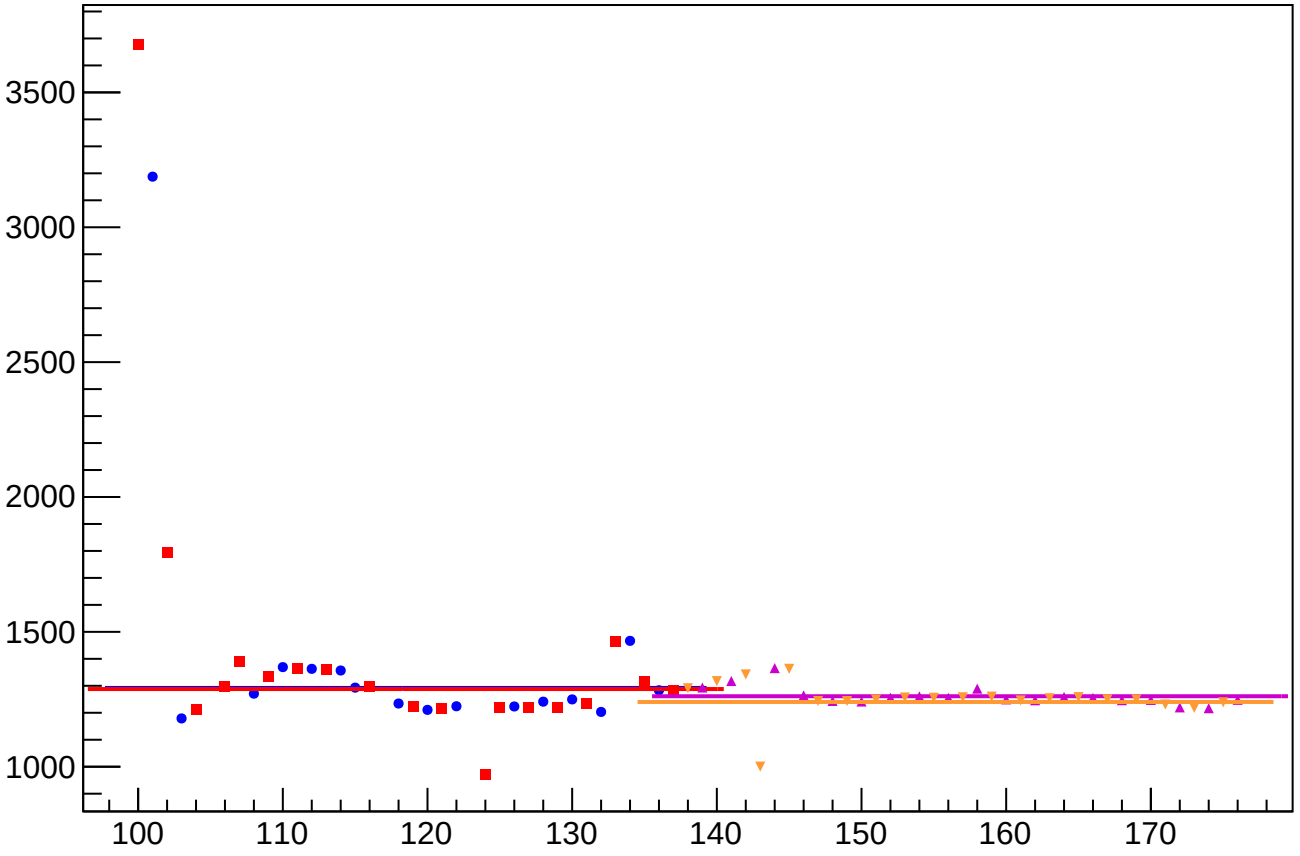
Left In: 299.204+/-320.057 χ^2/NDF:23.4/18

+ sign -507.156+/-263.018 χ^2/NDF: 40.2/35

All: -107.798+/-187.283 χ^2/NDF: 86.2/73

- sign 302.935+/-266.737 χ^2/NDF: 41.3/37

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.8/19

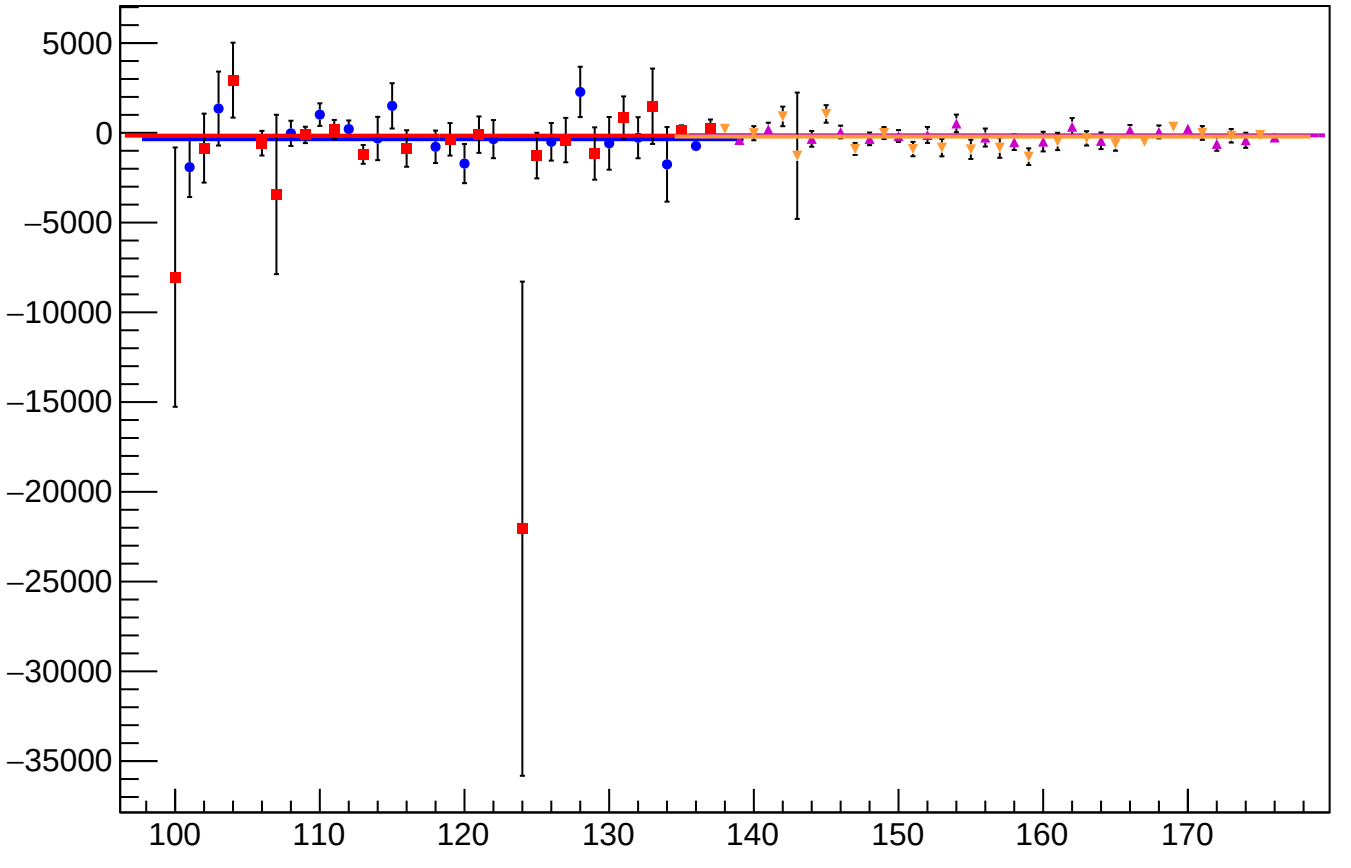
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.294+/-0.226 χ^2/NDF:21597.9/18

+ sign 1255.063+/-0.186 χ^2/NDF: 648390.2/35

All: 1262.154+/-0.132 χ^2/NDF: 886395.5/73

- sign 1269.448+/-0.189 χ^2/NDF: 235056.0/37



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -208.923+/-77.385 χ^2/NDF:39.3/19

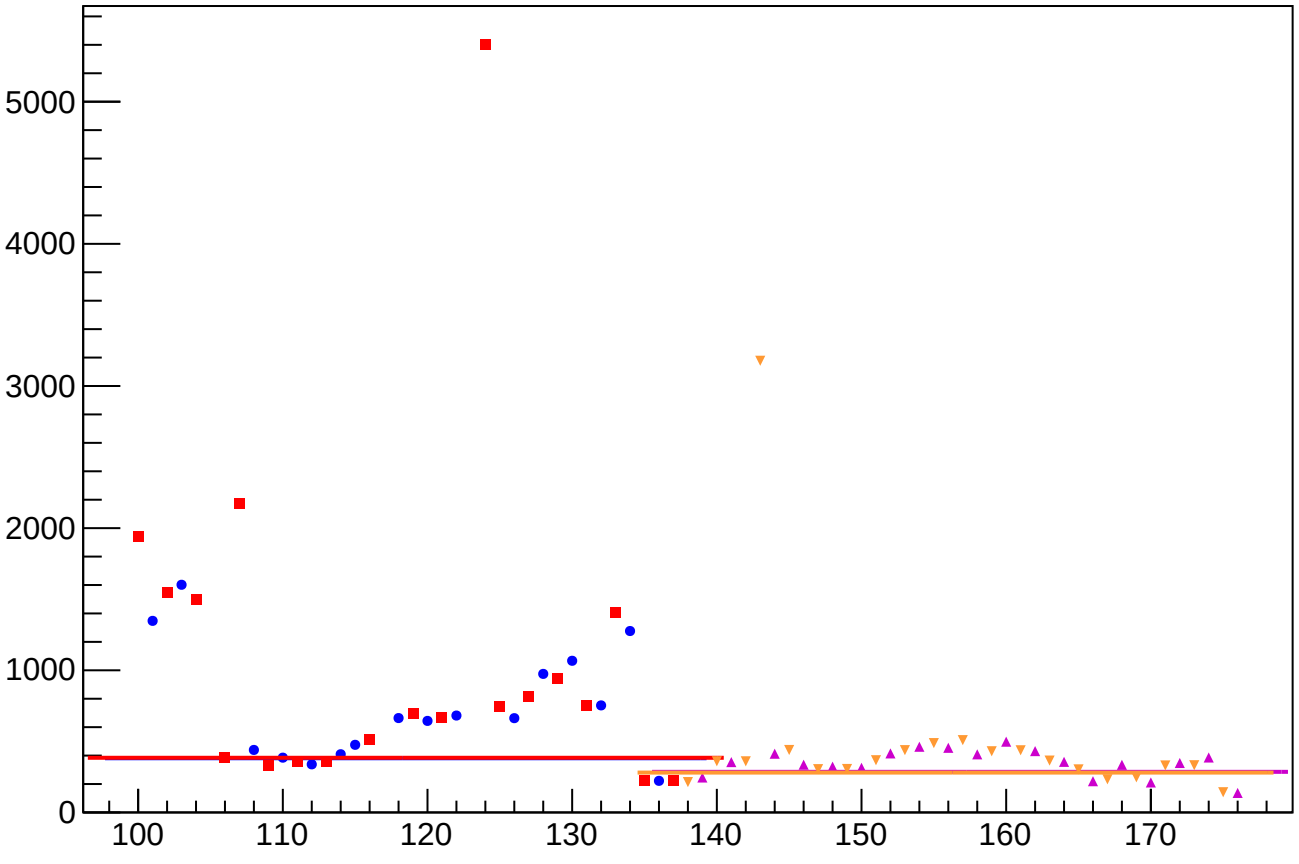
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -140.612+/-77.662 χ^2/NDF:13.0/18

+ sign -234.042+/-70.429 χ^2/NDF: 58.4/35

All: -188.946+/-49.867 χ^2/NDF: 88.0/73

- sign -143.611+/-70.615 χ^2/NDF: 28.8/37



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 280.526+/-0.055 χ^2/NDF:4928292.4/19

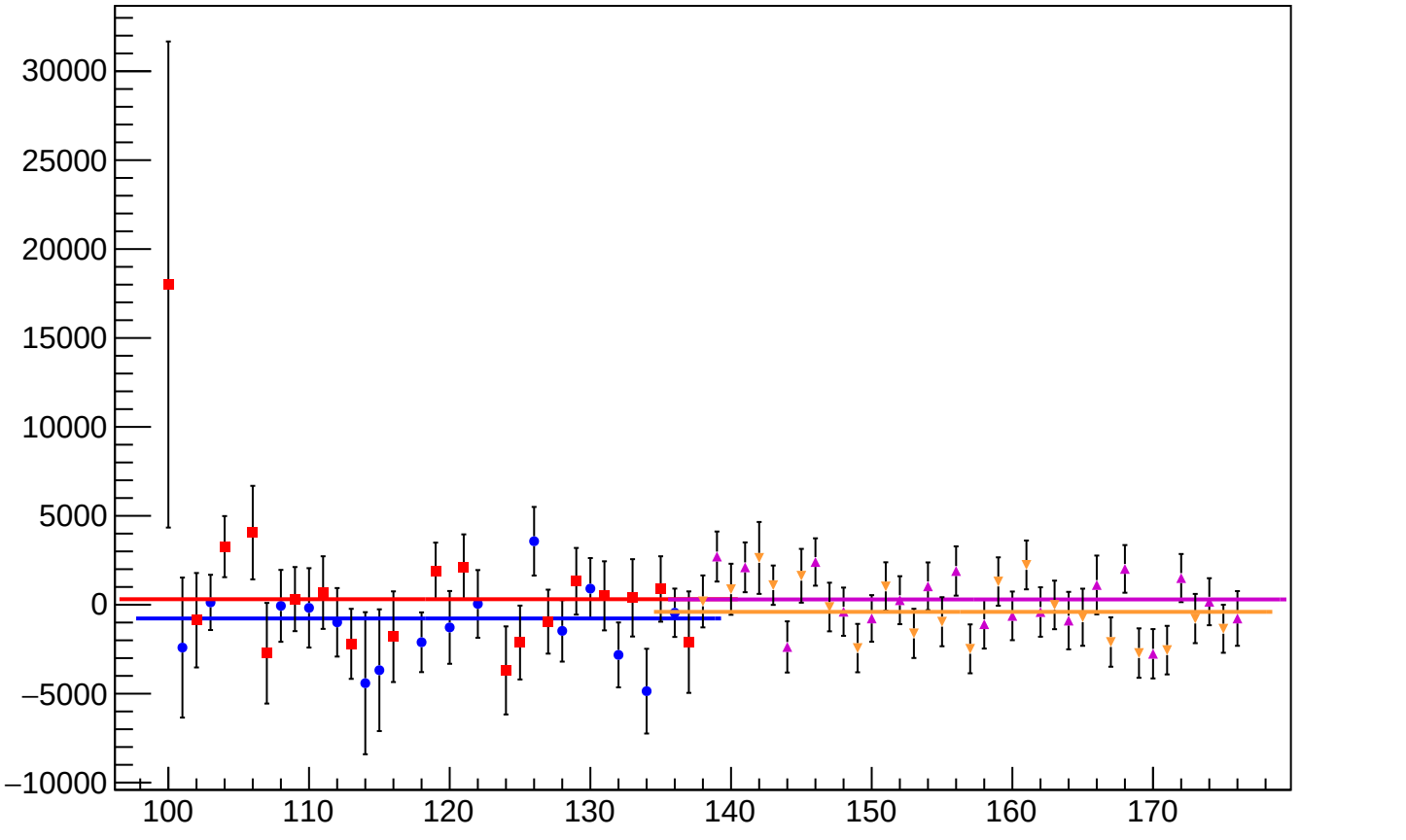
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 285.725+/-0.055 χ^2/NDF:3737837.6/18

+ sign 297.837+/-0.050 χ^2/NDF: 9829110.8/35

All: 300.343+/-0.035 χ^2/NDF: 18694378.4/73

- sign 302.862+/-0.050 χ^2/NDF: 8860190.6/37



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -399.921+/-311.835 χ^2/NDF:26.1/19

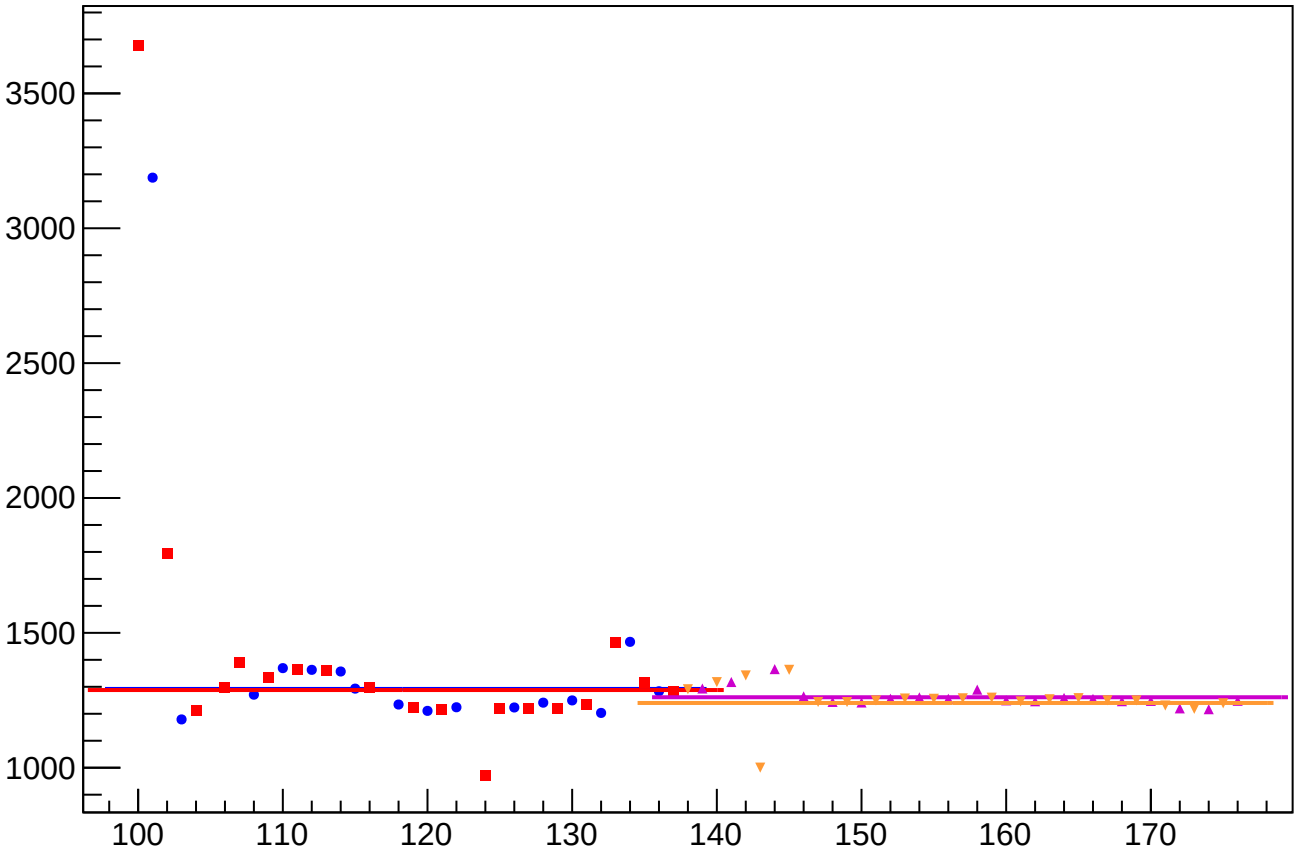
Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: 299.204+/-320.057 χ^2/NDF:23.4/18

+ sign -507.156+/-263.018 χ^2/NDF: 40.2/35

All: -107.798+/-187.283 χ^2/NDF: 86.2/73

- sign 302.935+/-266.737 χ^2/NDF: 41.3/37



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.0/19

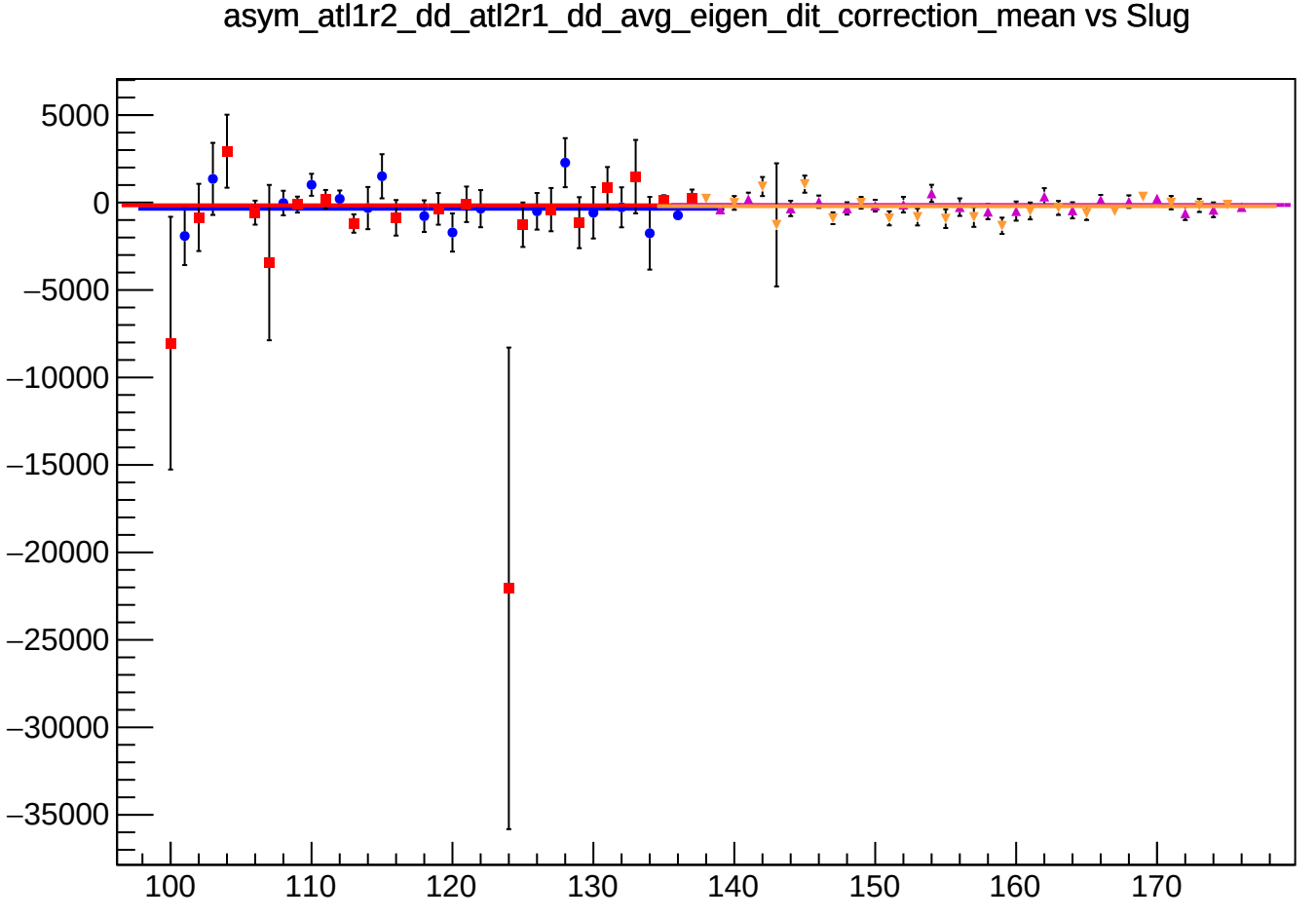
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.294+/-0.226 χ^2/NDF:21598.0/18

+ sign 1255.063+/-0.186 χ^2/NDF: 648389.4/35

All: 1262.154+/-0.132 χ^2/NDF: 886395.0/73

- sign 1269.447+/-0.189 χ^2/NDF: 235056.5/37



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -208.928+/-77.385 χ^2/NDF:39.3/19

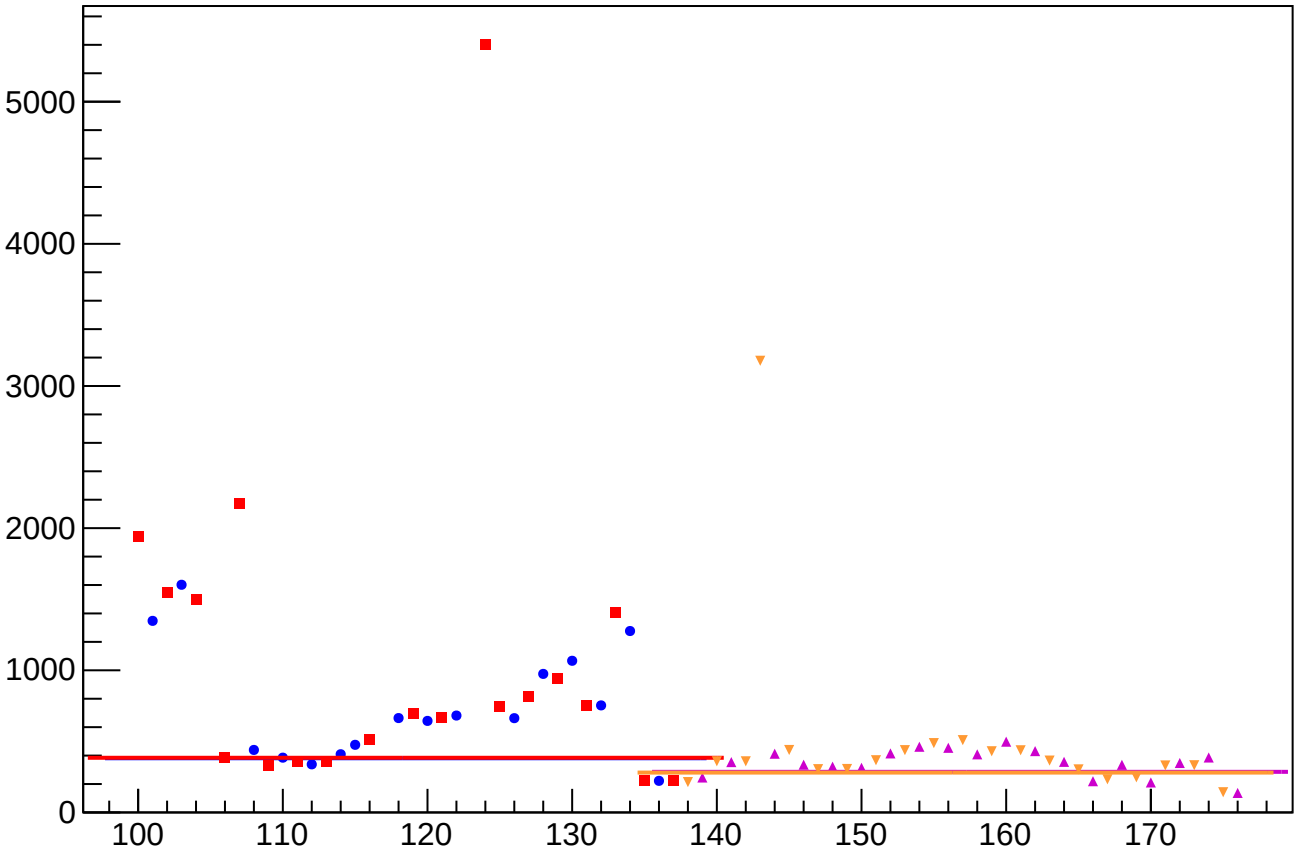
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -140.611+/-77.662 χ^2/NDF:13.0/18

+ sign -234.046+/-70.430 χ^2/NDF: 58.4/35

All: -188.948+/-49.867 χ^2/NDF: 88.0/73

- sign -143.611+/-70.616 χ^2/NDF: 28.8/37



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 280.528+/-0.055 χ^2/NDF:4928206.5/19

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

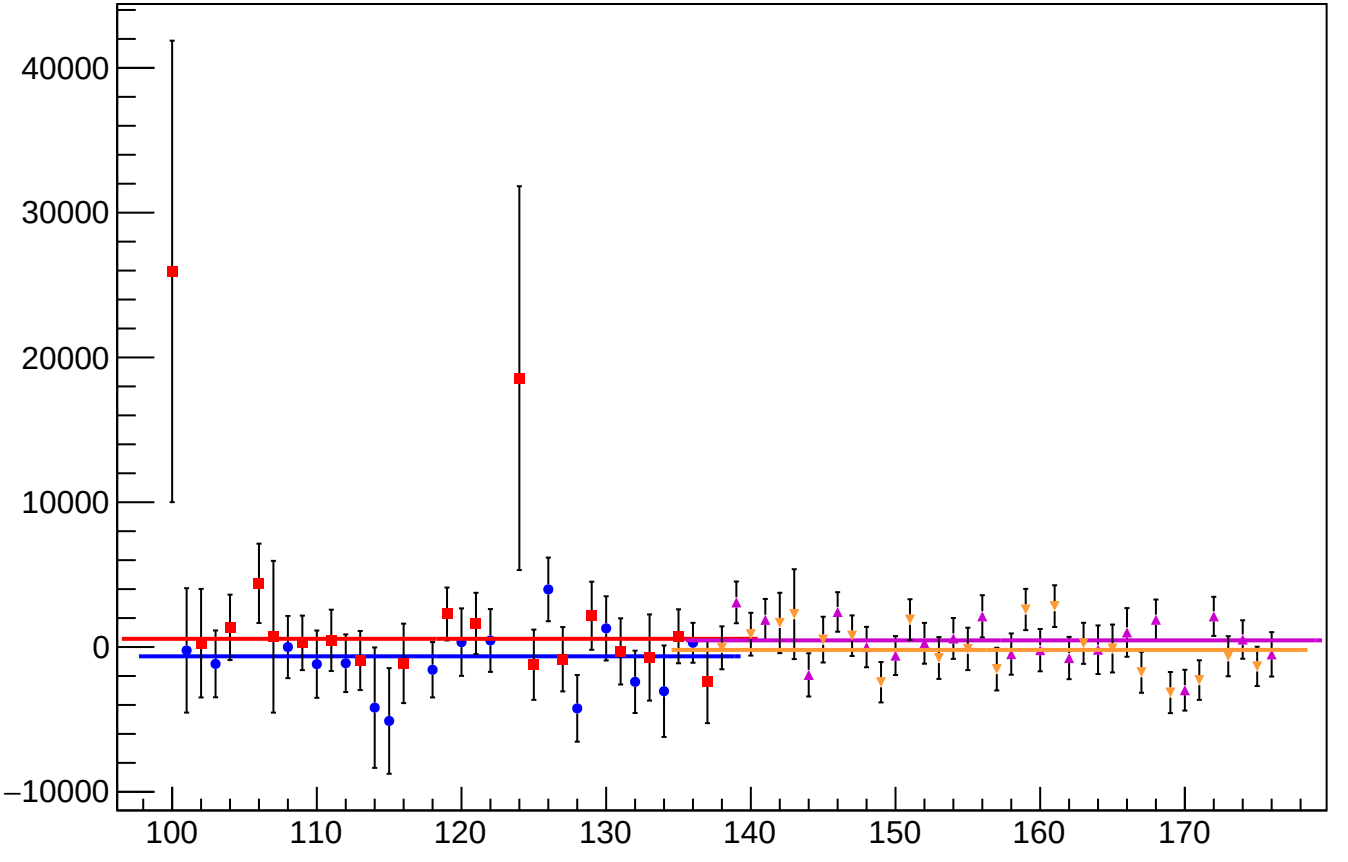
Left In: 285.727+/-0.055 χ^2/NDF:3737780.6/18

+ sign 297.840+/-0.050 χ^2/NDF: 9828917.8/35

All: 300.345+/-0.035 χ^2/NDF: 18694049.2/73

- sign 302.864+/-0.050 χ^2/NDF: 8860056.1/37

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -198.722+/-333.133 χ^2/NDF:25.4/19

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

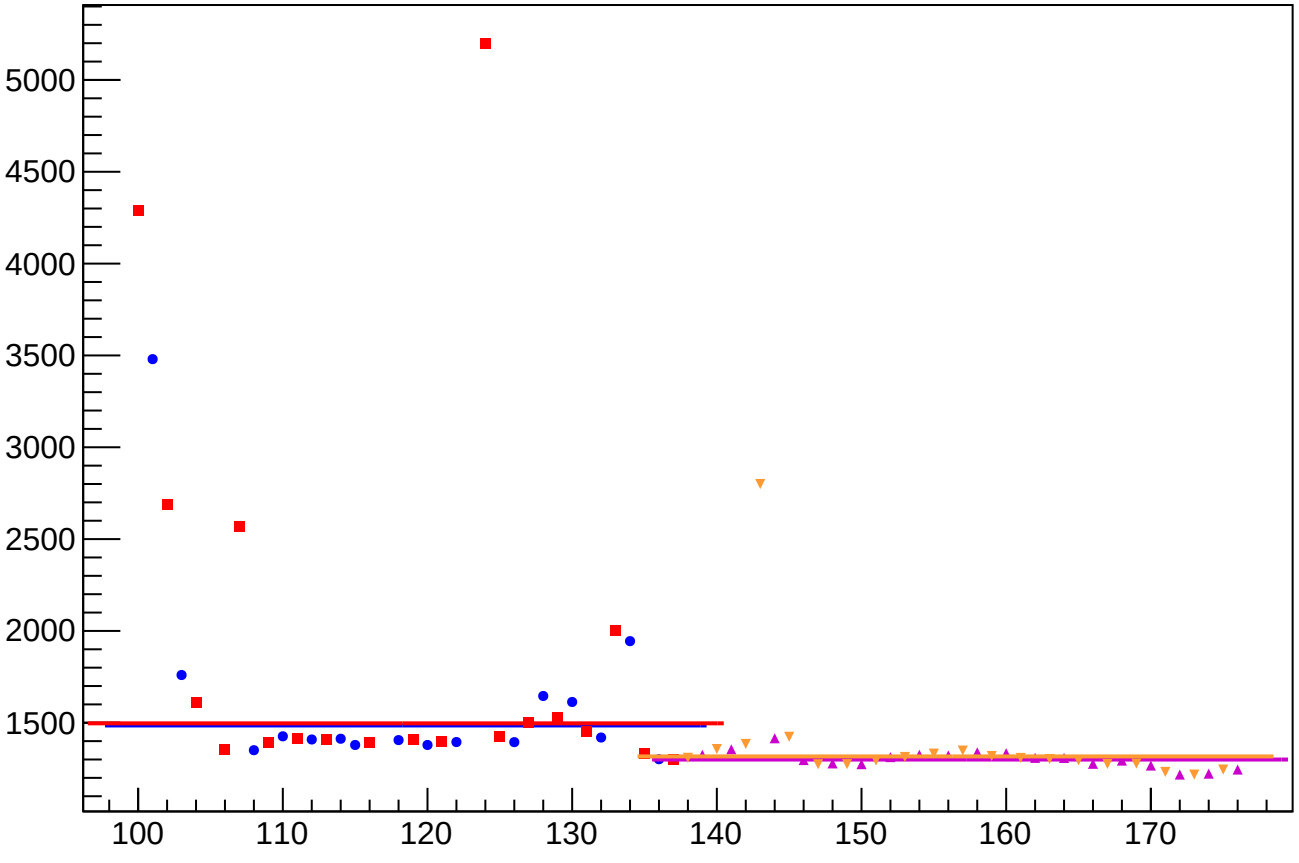
Left In: 460.577+/-329.908 χ^2/NDF:21.5/18

+ sign -312.959+/-286.882 χ^2/NDF: 38.3/35

All: 89.770+/-202.232 χ^2/NDF: 75.0/73

- sign 487.574+/-285.123 χ^2/NDF: 32.8/37

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1316.727+/-0.236 χ^2/NDF:502306.7/19

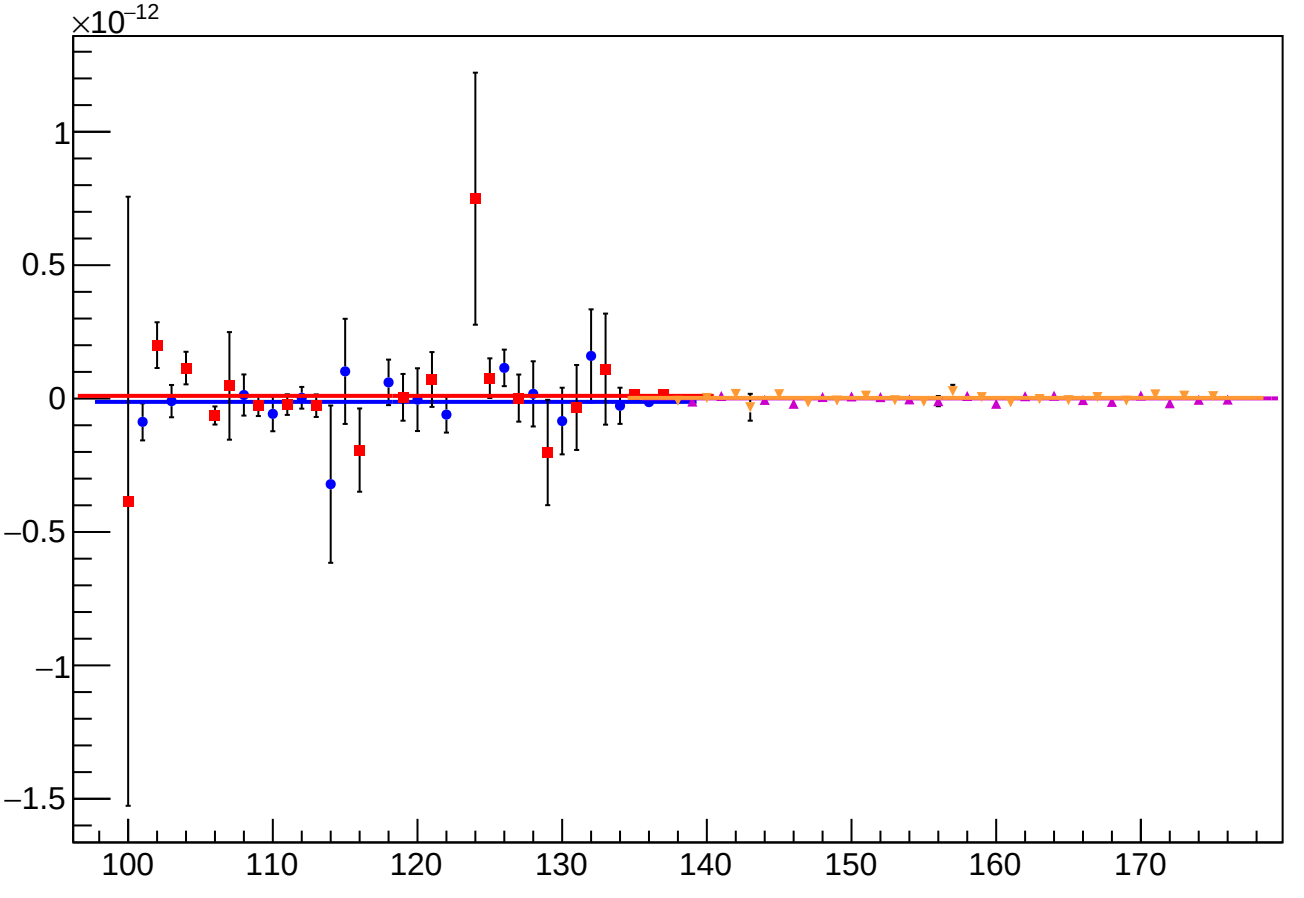
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1299.726+/-0.233 χ^2/NDF:38947.4/18

+ sign 1360.304+/-0.203 χ^2/NDF: 1219216.3/35

All: 1354.928+/-0.143 χ^2/NDF: 2063585.8/73

- sign 1349.617+/-0.202 χ^2/NDF: 842973.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.9/19

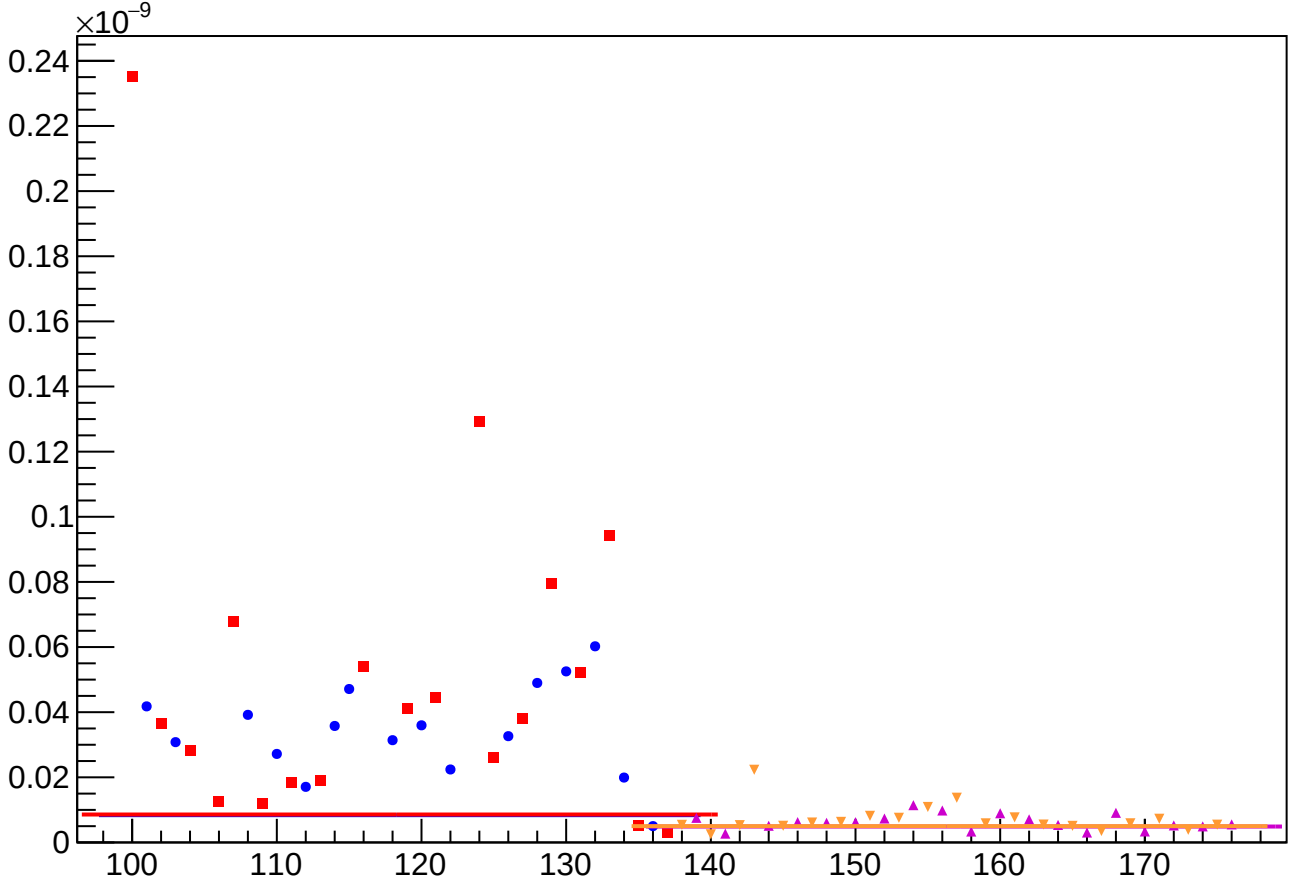
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 32.1/35

All: 0.000+/-0.000 χ^2/NDF: 77.6/73

- sign 0.000+/-0.000 χ^2/NDF: 45.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1887463.1/19

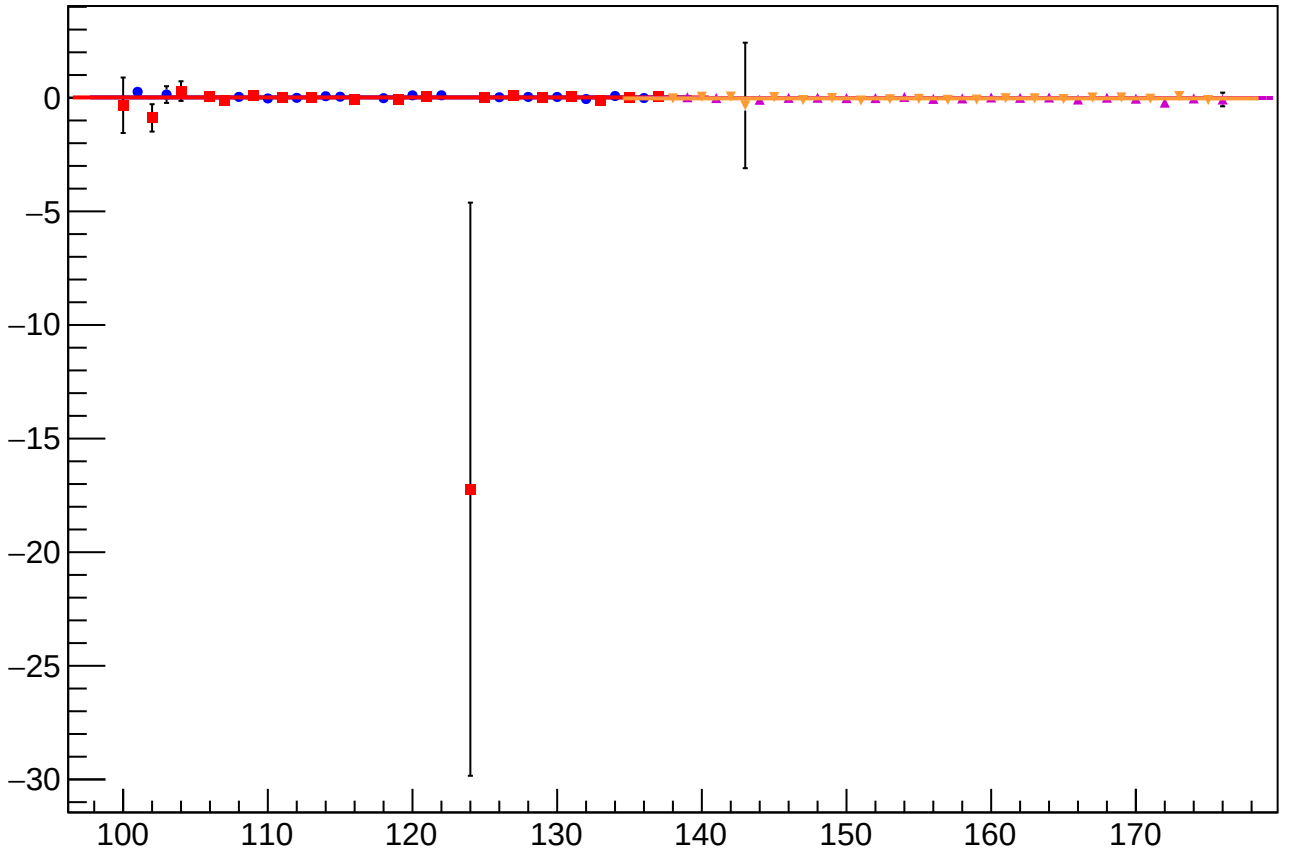
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1697202.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 5328072.6/35

All: 0.000+/-0.000 χ^2/NDF: 10771653.6/73

- sign 0.000+/-0.000 χ^2/NDF: 5440204.3/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

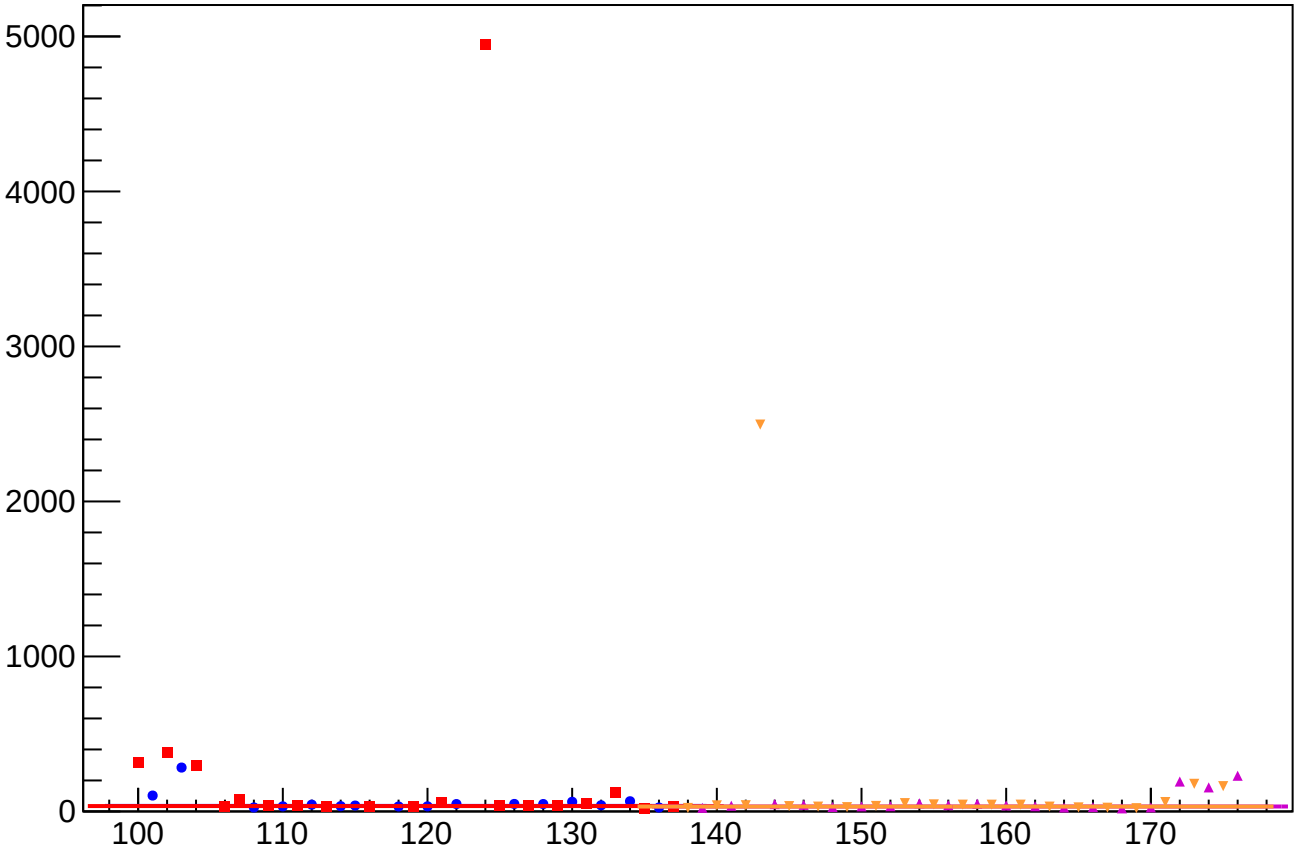
Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.7/73

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37

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: 31.676+/-0.007 χ^2/NDF:5318511.7/19

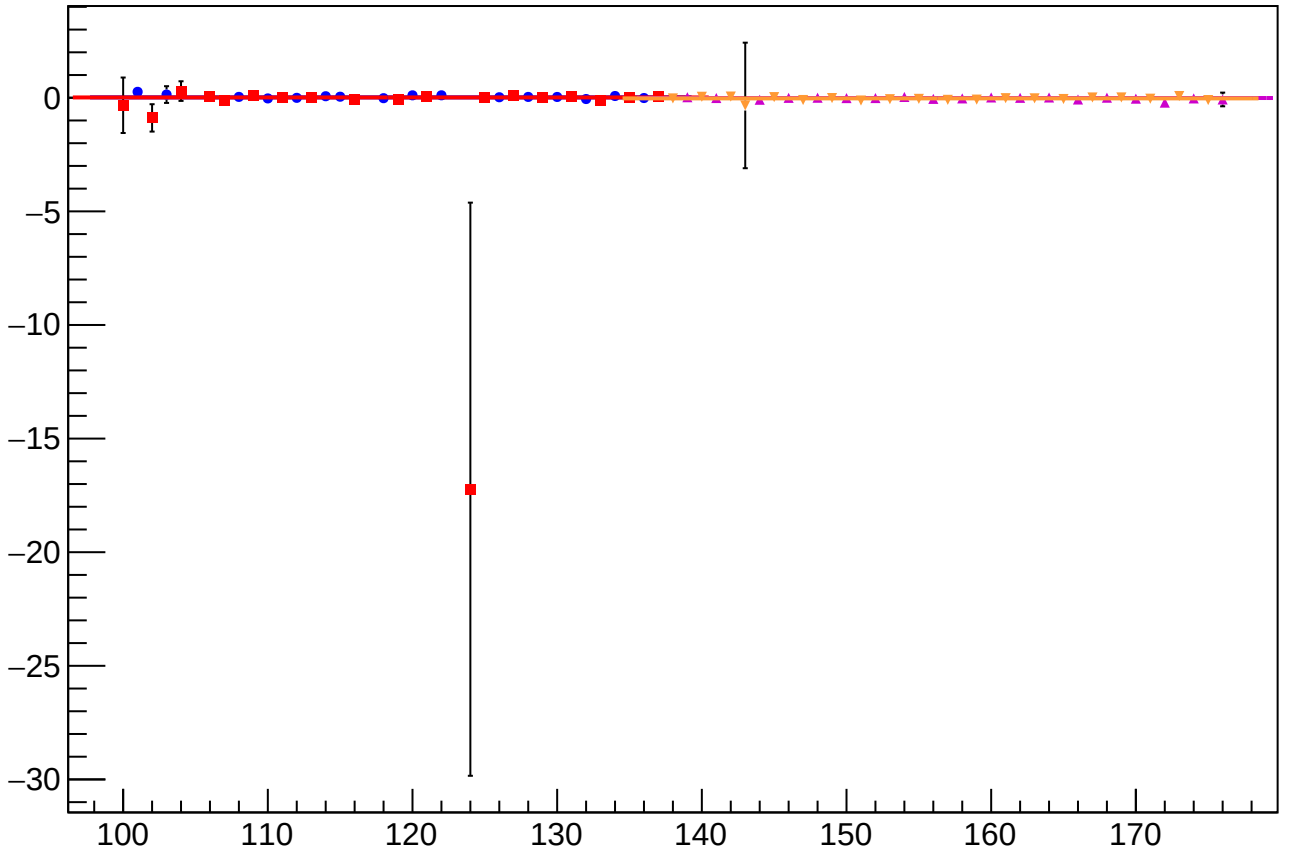
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

\+ sign 32.798+/-0.006 χ^2/NDF: 7683643.2/35

All: 32.788+/-0.004 χ^2/NDF: 15272806.9/73

\- sign 32.778+/-0.006 χ^2/NDF: 7589157.9/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

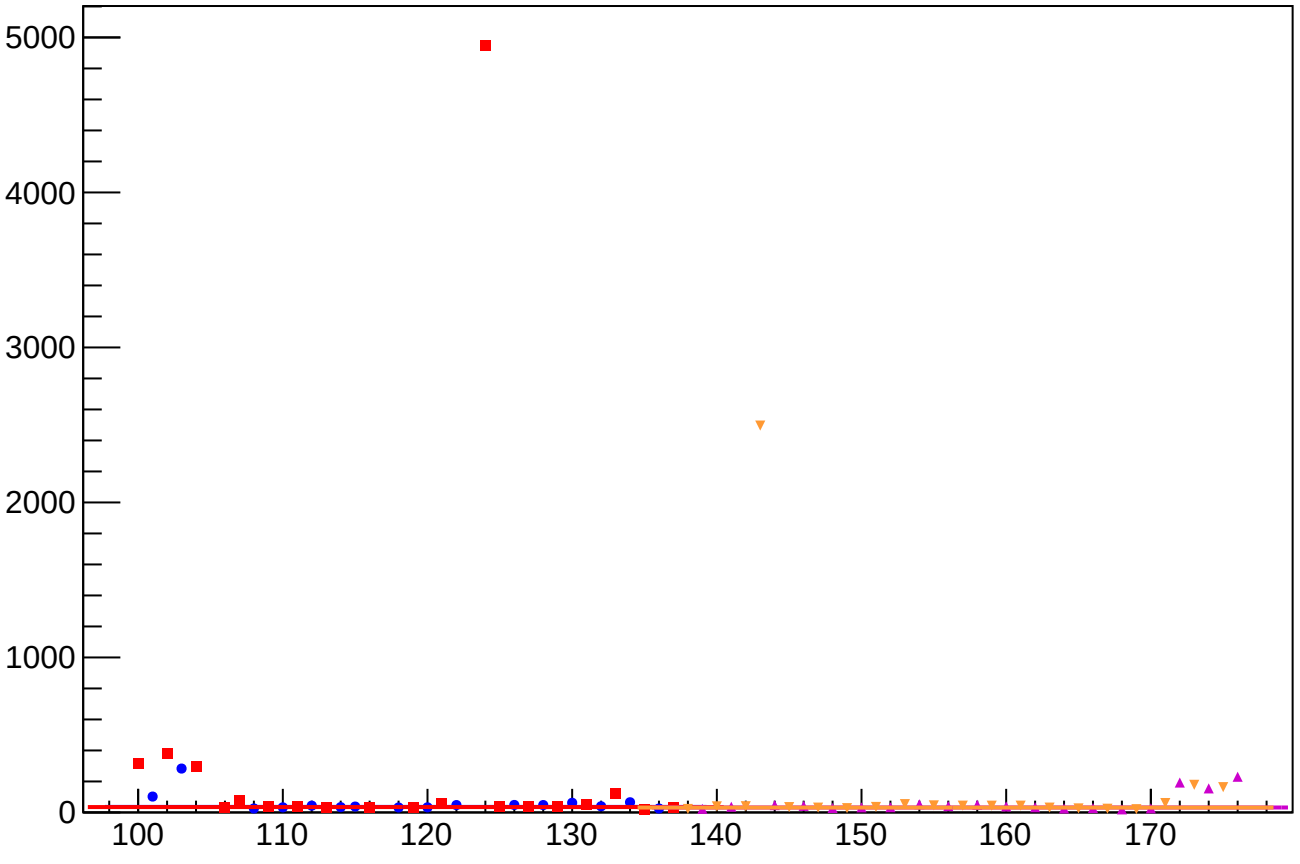
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.7/73

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318511.7/19

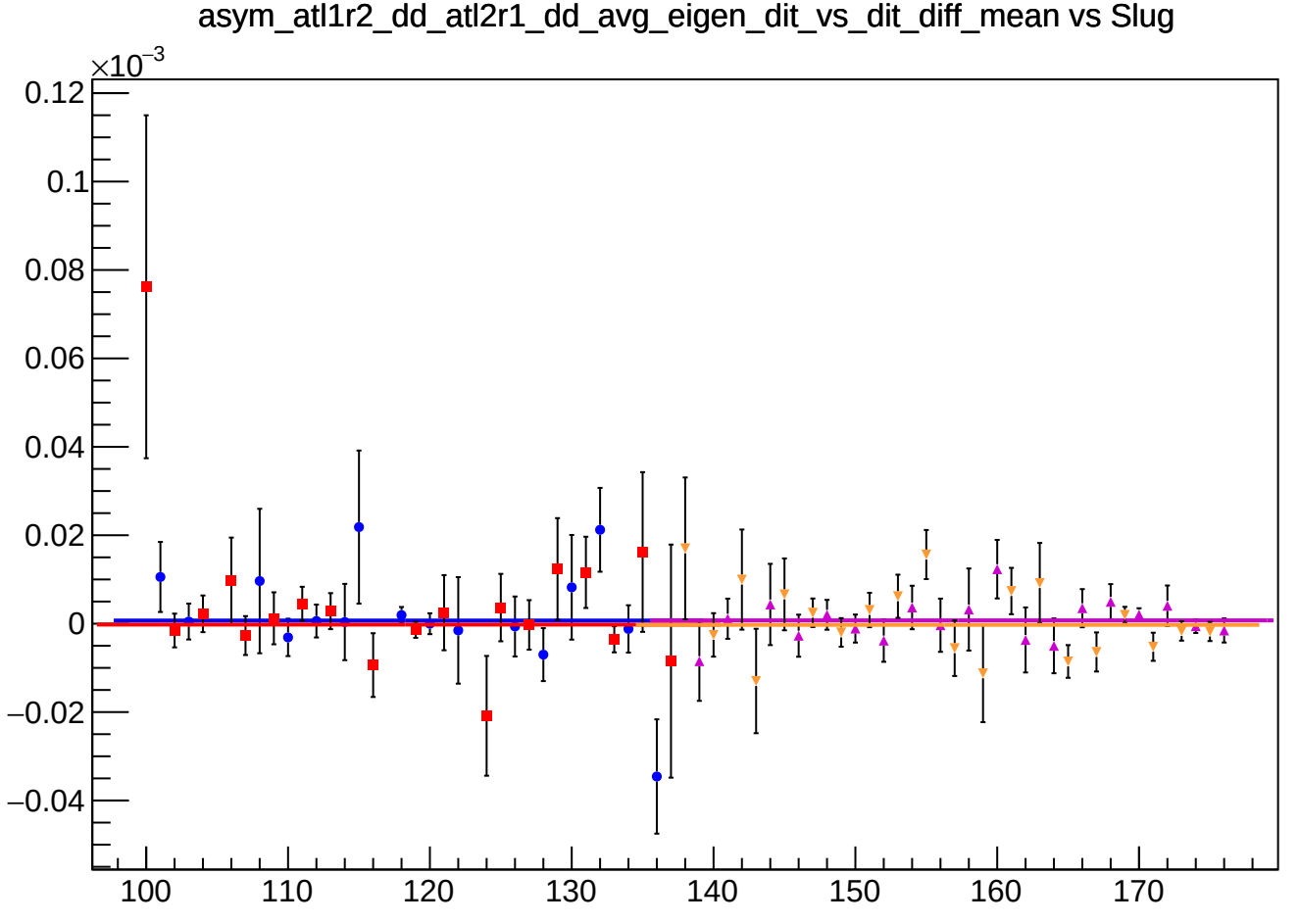
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

\+ sign 32.798+/-0.006 χ^2/NDF: 7683643.2/35

All: 32.788+/-0.004 χ^2/NDF: 15272806.9/73

\- sign 32.778+/-0.006 χ^2/NDF: 7589157.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/19

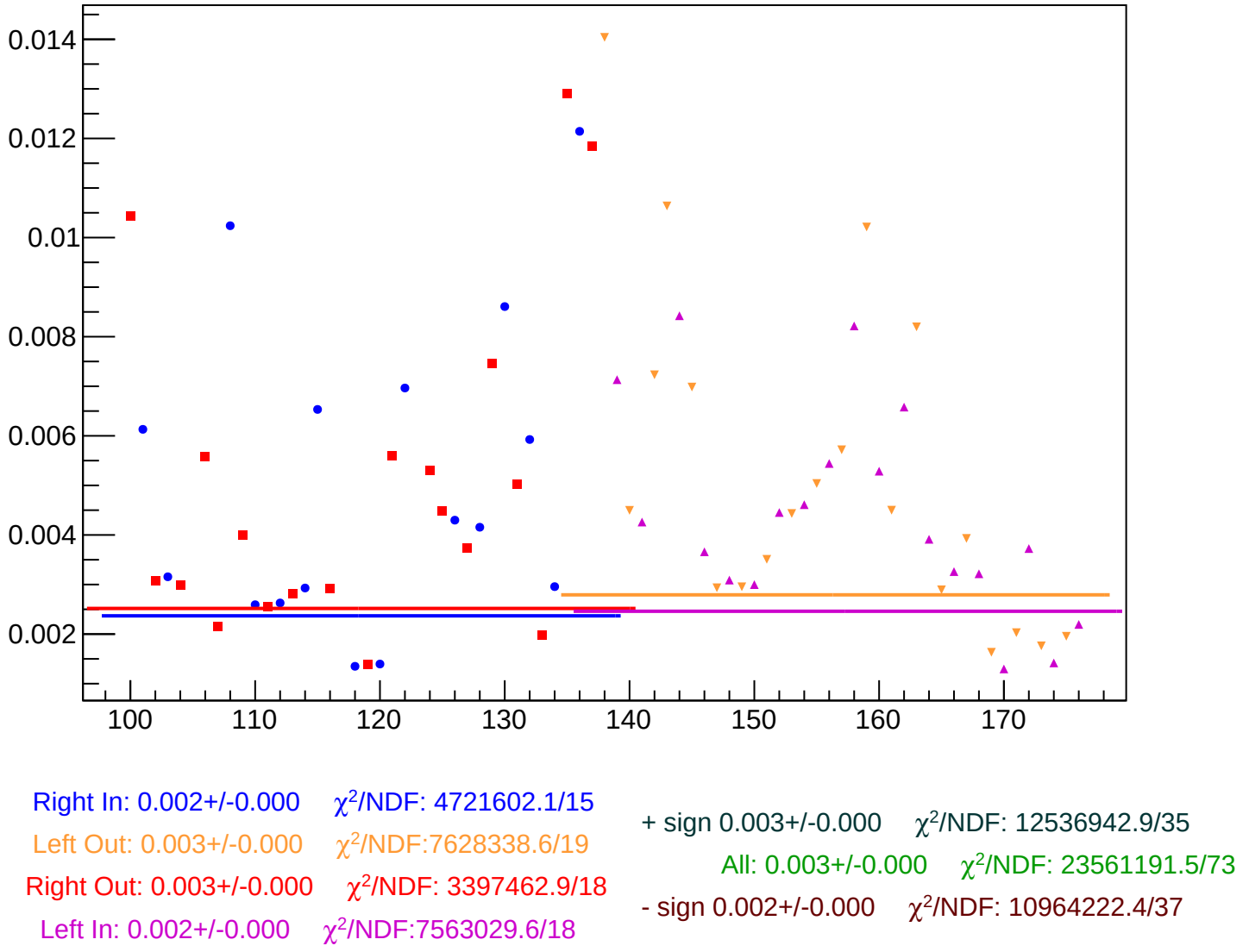
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

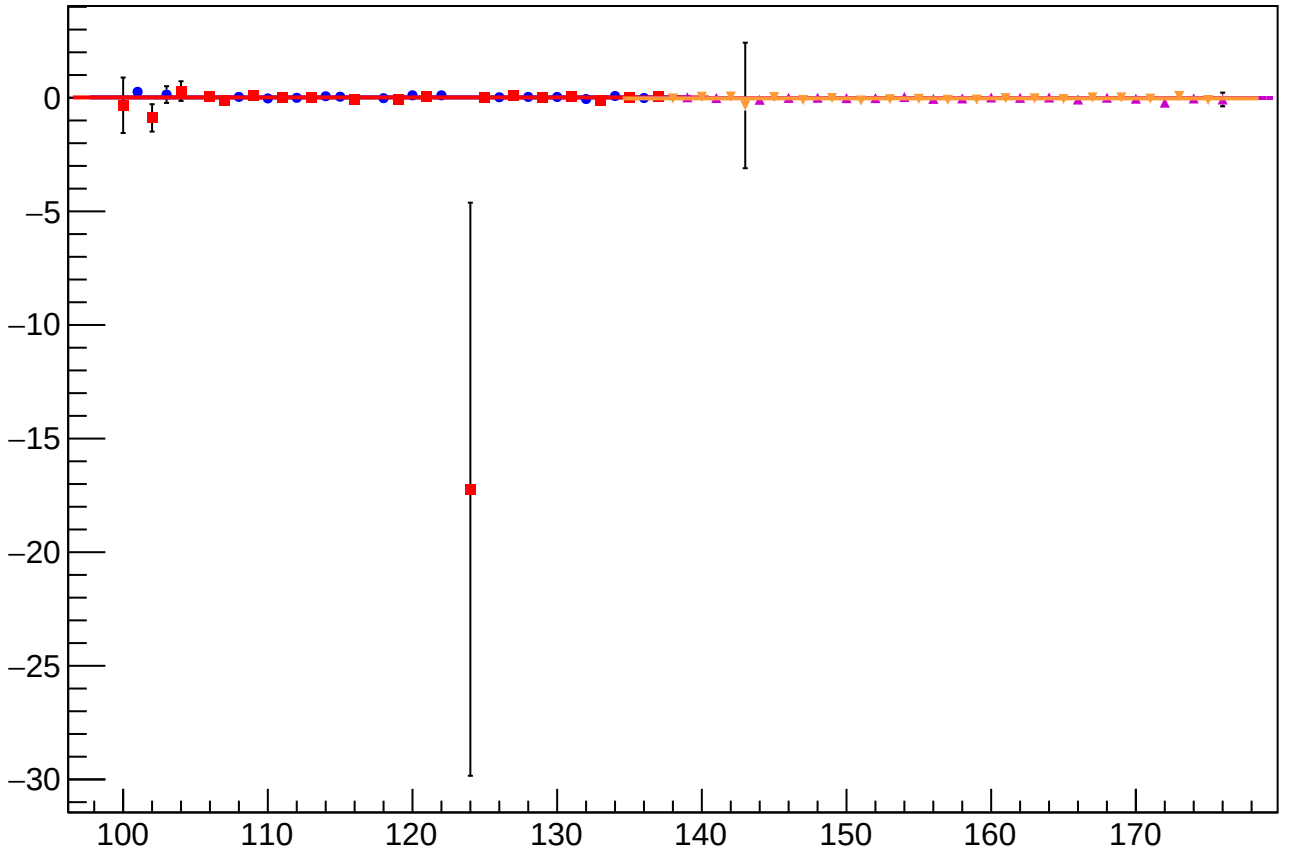
Left In: 0.000+/-0.000 χ^2/NDF:12.1/18

\+ sign 0.000+/-0.000 χ^2/NDF: 52.0/35

All: 0.000+/-0.000 χ^2/NDF: 82.9/73

\- sign 0.000+/-0.000 χ^2/NDF: 30.7/37


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.003+/-0.000 χ²/NDF:7628338.6/19
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.002+/-0.000 χ²/NDF:7563029.6/18
+ sign 0.003+/-0.000 χ²/NDF: 12536942.9/35
All: 0.003+/-0.000 χ²/NDF: 23561191.5/73
- sign 0.002+/-0.000 χ²/NDF: 10964222.4/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

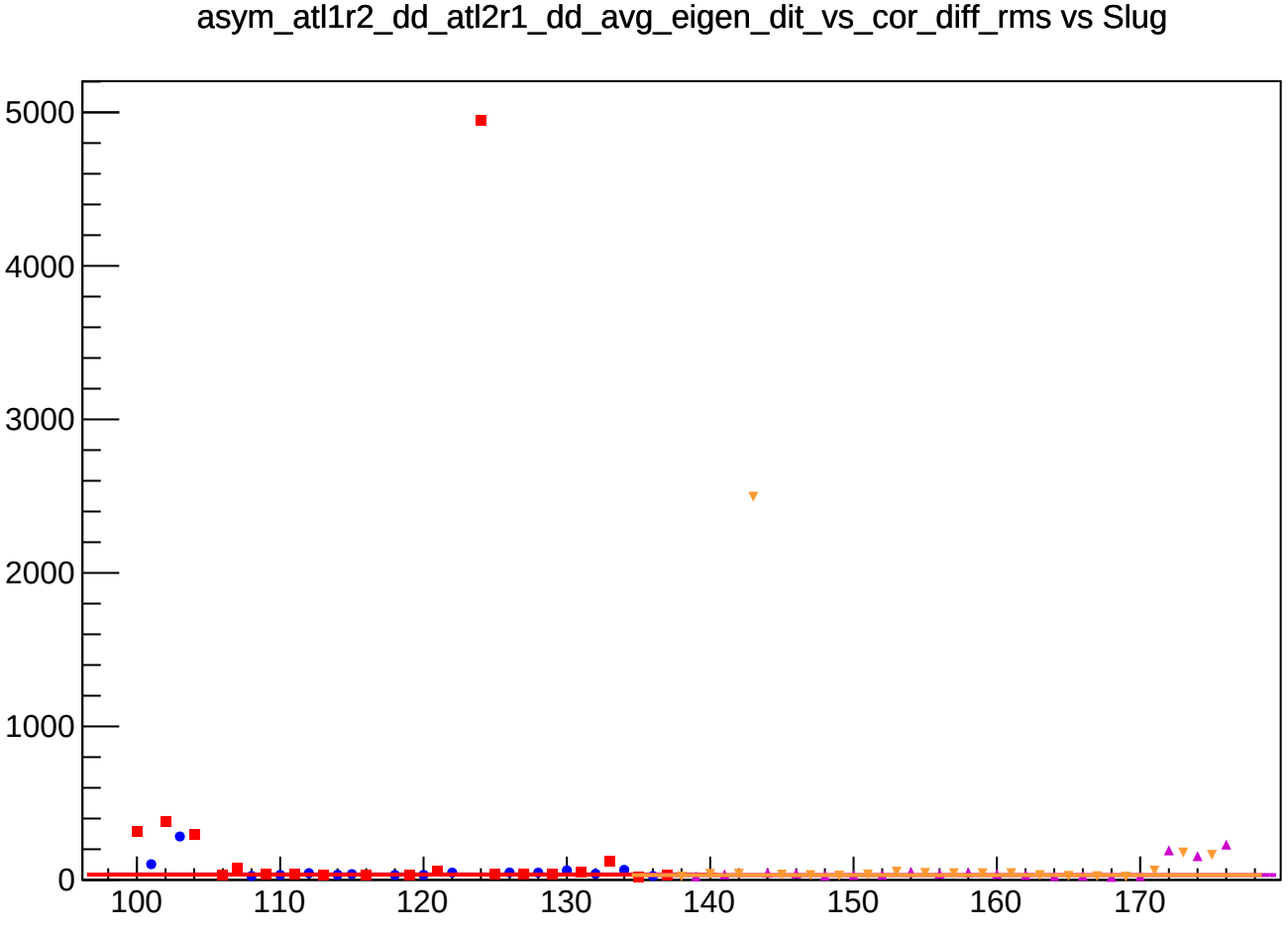
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.7/73

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318765.4/19

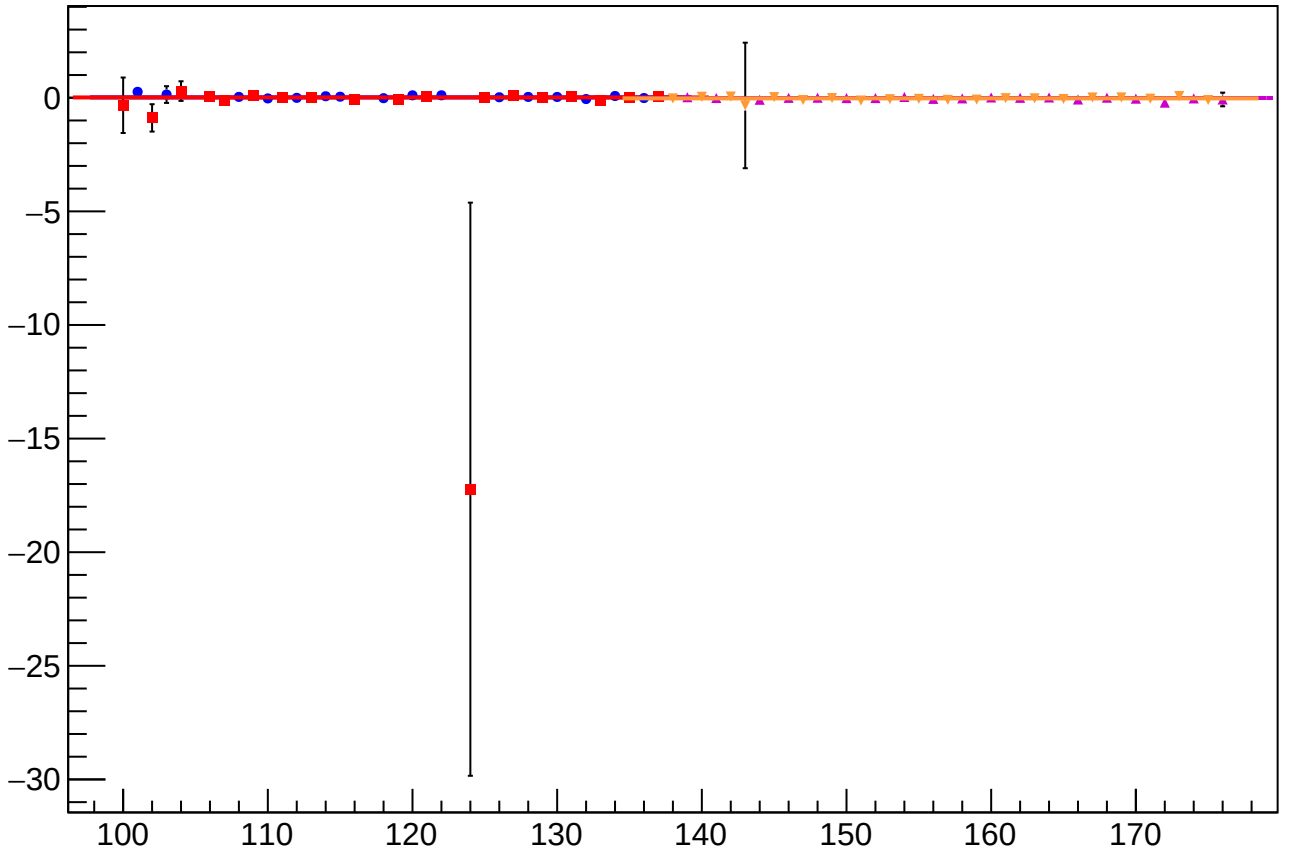
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

\+ sign 32.798+/-0.006 χ^2/NDF: 7683701.7/35

All: 32.788+/-0.004 χ^2/NDF: 15273356.0/73

\- sign 32.777+/-0.006 χ^2/NDF: 7589648.0/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

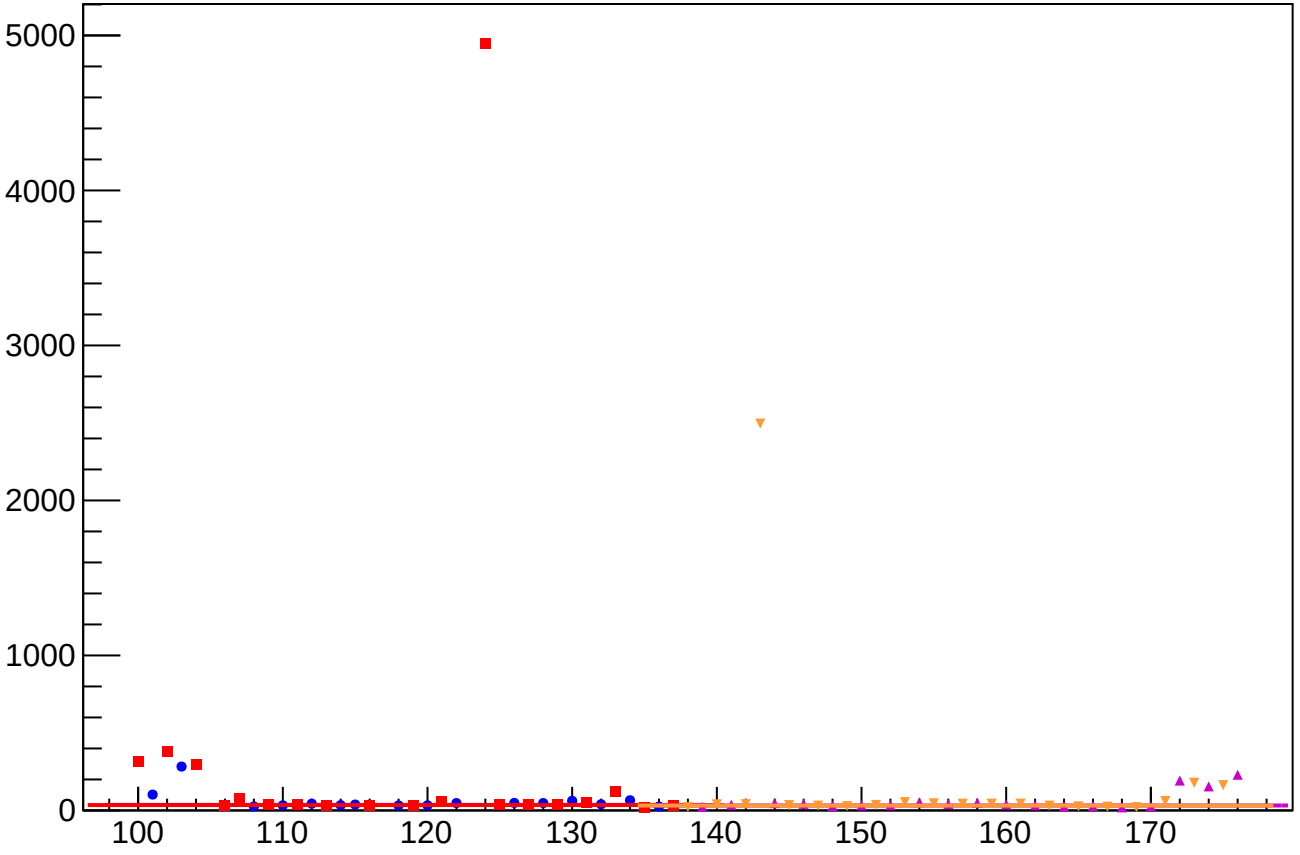
Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 41.2/35

All: -0.010+/-0.006 χ^2/NDF: 70.7/73

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318765.4/19

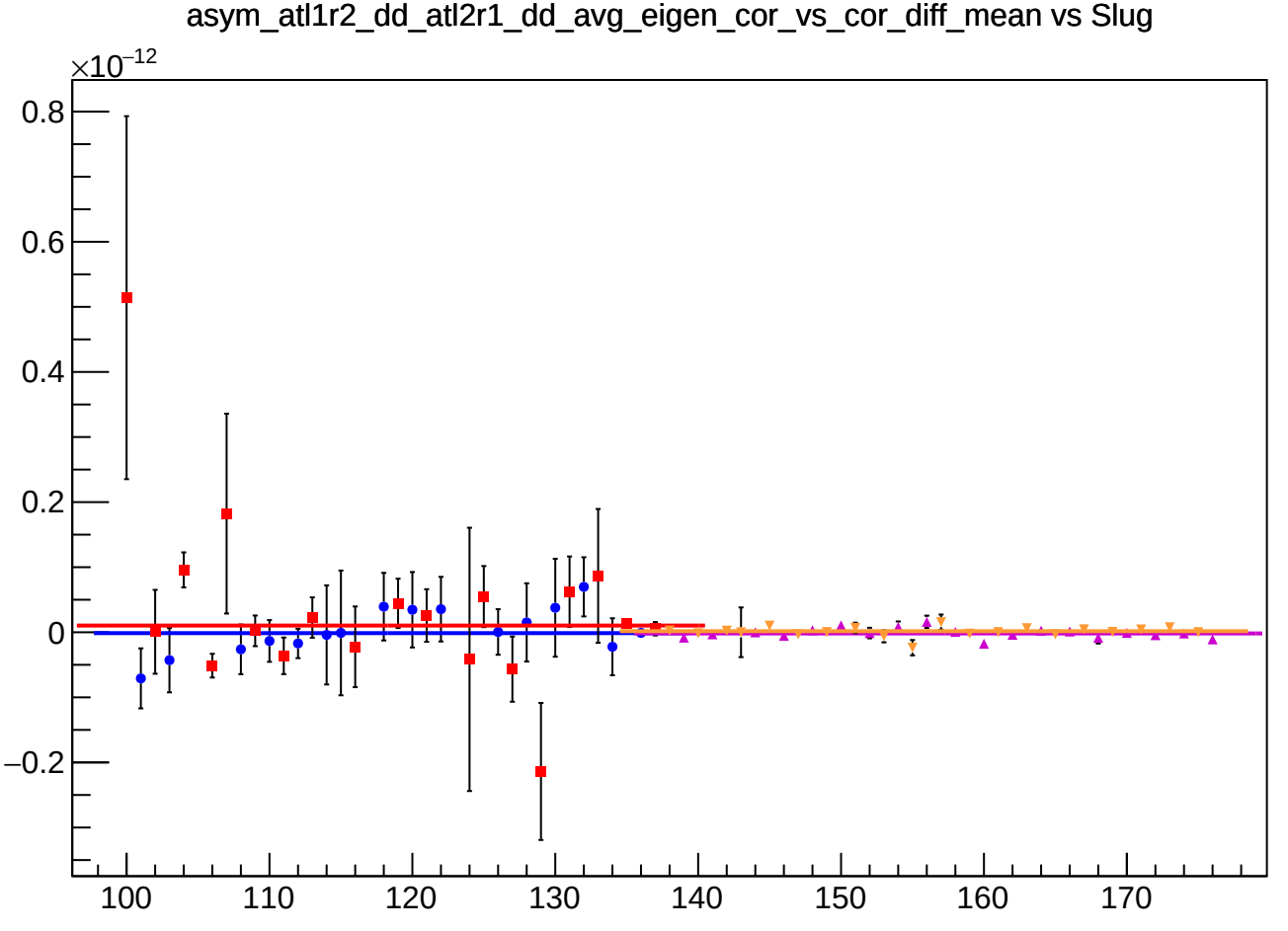
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

+ sign 32.798+/-0.006 χ^2/NDF: 7683701.7/35

All: 32.788+/-0.004 χ^2/NDF: 15273356.0/73

- sign 32.777+/-0.006 χ^2/NDF: 7589648.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/19

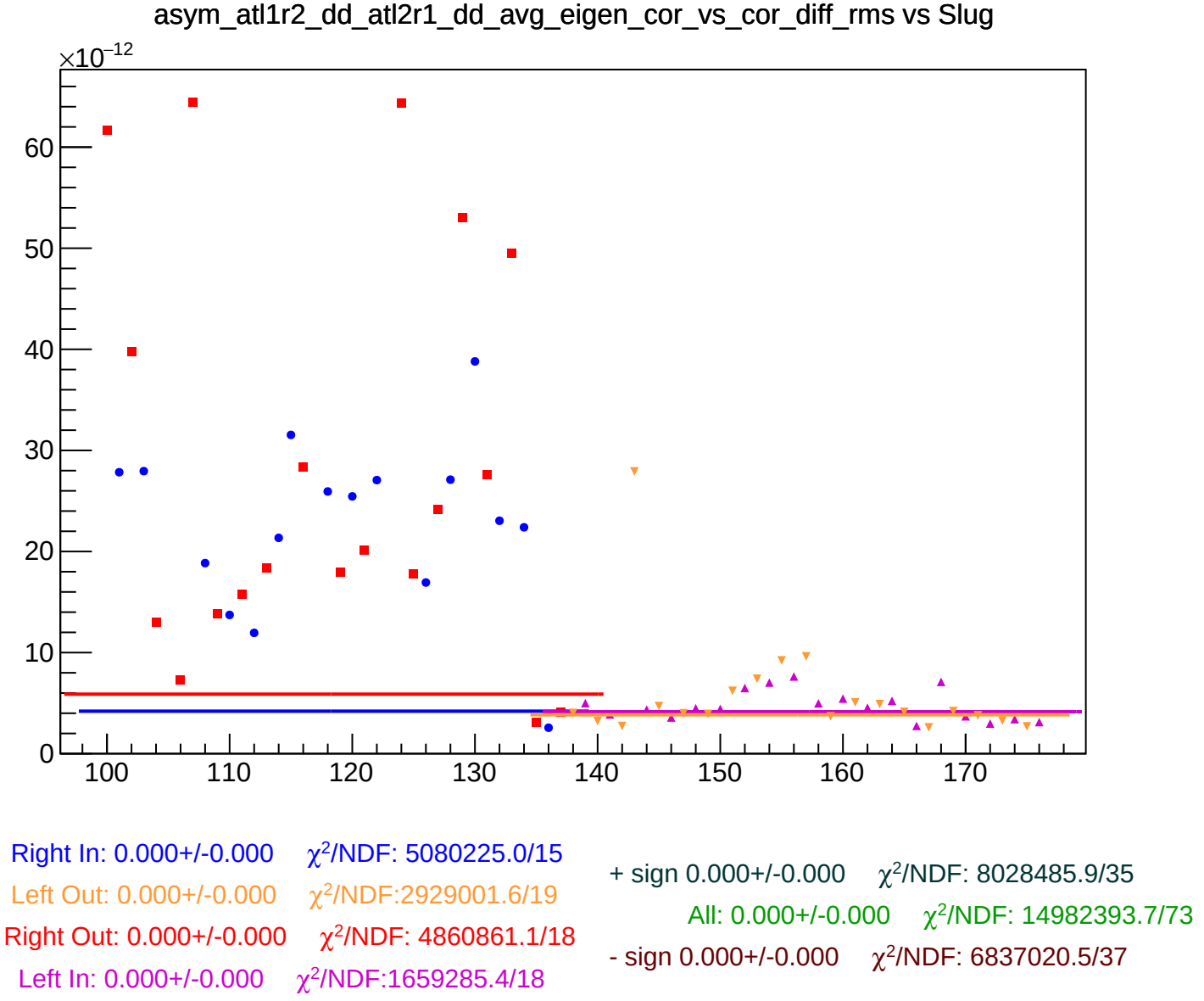
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

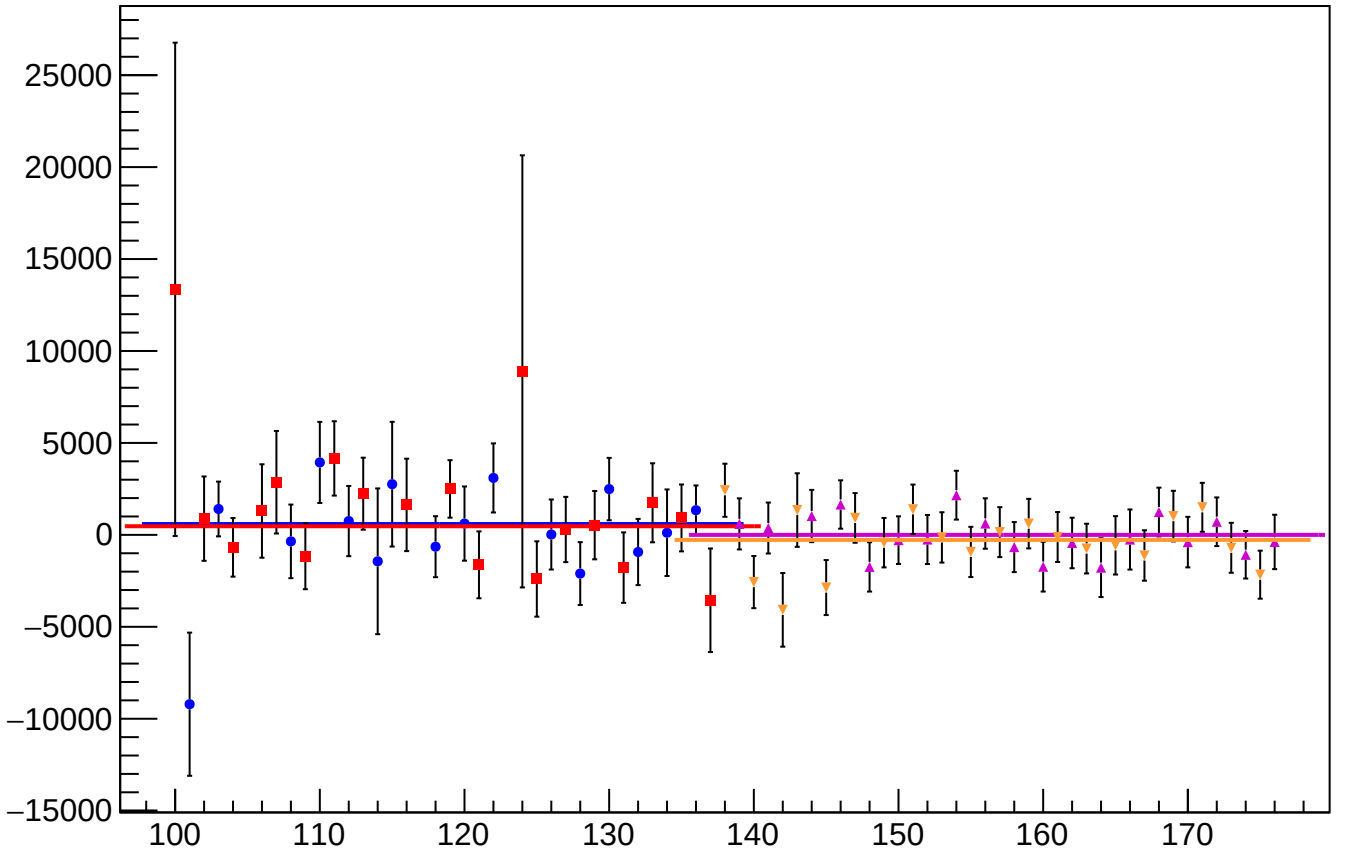
Left In: -0.000+/-0.000 χ^2/NDF:22.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 24.2/35

All: 0.000+/-0.000 χ^2/NDF: 96.2/73

- sign -0.000+/-0.000 χ^2/NDF: 70.5/37


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2929001.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1659285.4/18
+ sign 0.000+/-0.000 χ²/NDF: 8028485.9/35
All: 0.000+/-0.000 χ²/NDF: 14982393.7/73
- sign 0.000+/-0.000 χ²/NDF: 6837020.5/37



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.039+/-316.543 χ^2/NDF:21.9/19

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

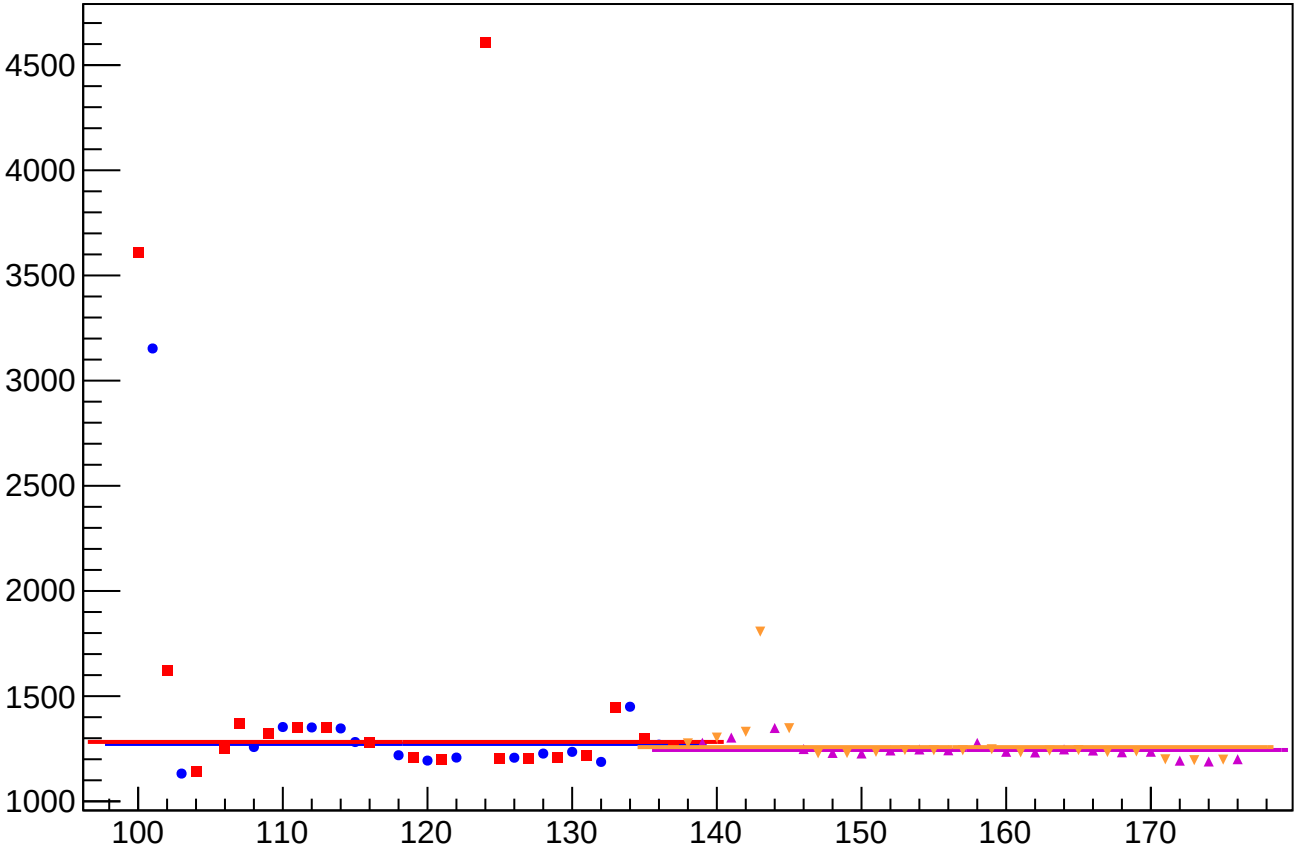
Left In: -1.147+/-315.722 χ^2/NDF:12.2/18

+ sign -15.626+/-264.659 χ^2/NDF: 41.2/35

All: 62.734+/-186.860 χ^2/NDF: 71.1/73

- sign 140.623+/-263.862 χ^2/NDF: 29.8/37

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1257.670+/-0.224 χ^2/NDF:180478.6/19

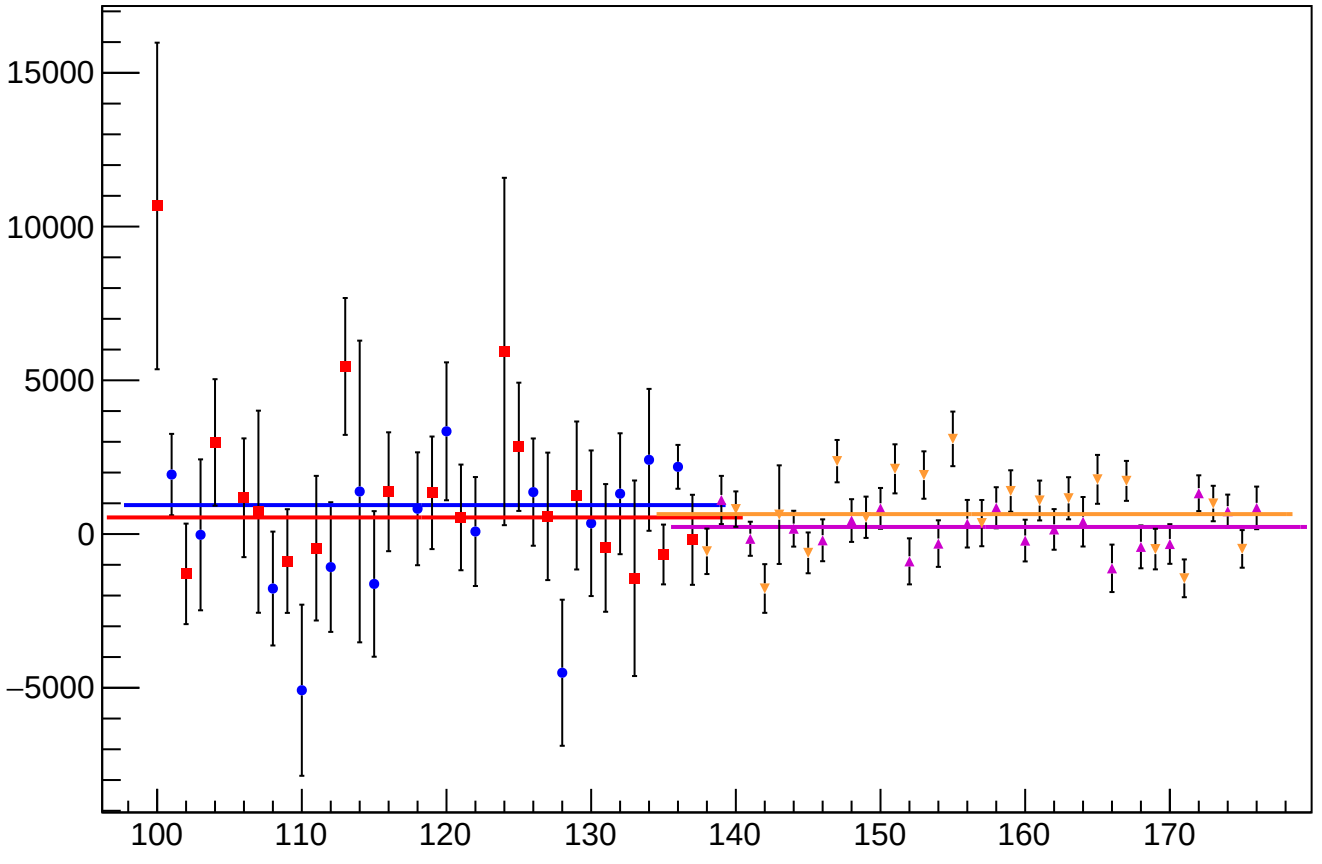
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

+ sign 1262.225+/-0.187 χ^2/NDF: 701152.6/35

All: 1258.934+/-0.132 χ^2/NDF: 1058892.5/73

- sign 1255.663+/-0.187 χ^2/NDF: 357123.4/37



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 648.548+/-156.178 χ^2/NDF:61.2/19

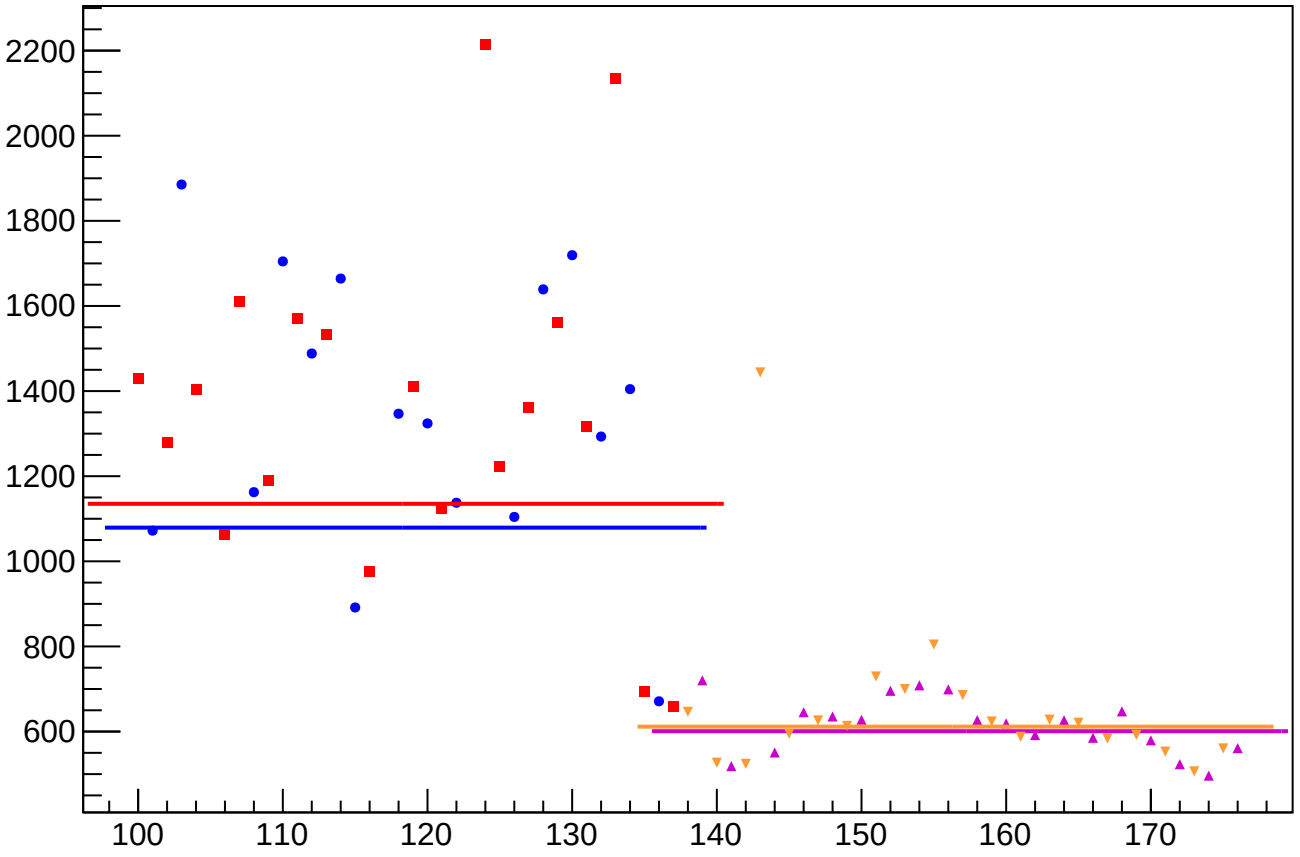
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 230.589+/-153.626 χ^2/NDF:17.1/18

\+ sign 683.311+/-146.628 χ^2/NDF: 81.5/35

All: 471.515+/-103.114 χ^2/NDF: 120.4/73

\- sign 264.290+/-145.036 χ^2/NDF: 34.7/37



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 611.556+/-0.110 χ^2/NDF:905743.8/19

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

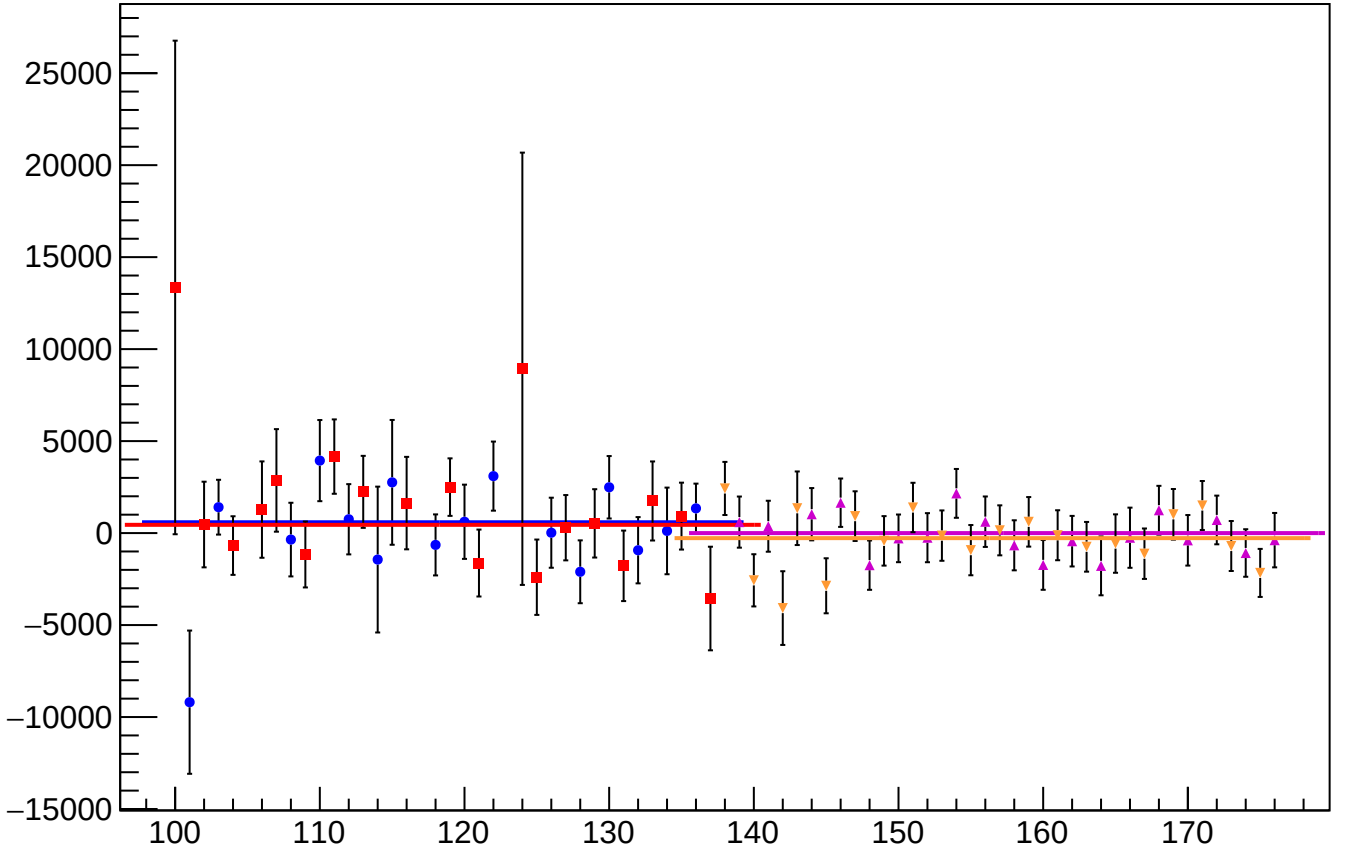
Left In: 600.799+/-0.109 χ^2/NDF:362403.7/18

\+ sign 666.992+/-0.104 χ^2/NDF: 4513255.3/35

All: 662.894+/-0.073 χ^2/NDF: 8802134.5/73

\- sign 658.885+/-0.103 χ^2/NDF: 4285789.4/37

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

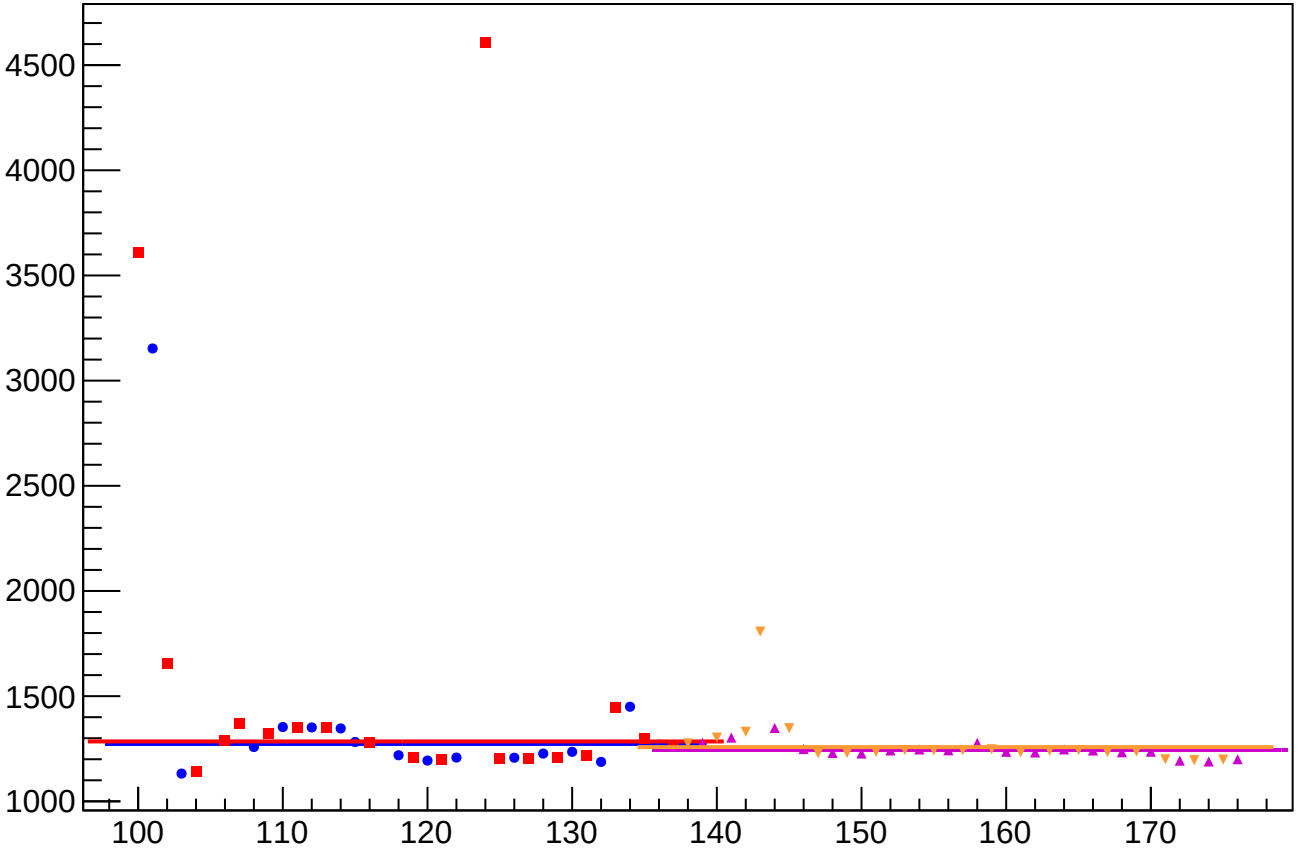
Left In: -1.108+/-315.722 χ^2/NDF:12.2/18

+ sign -15.571+/-264.659 χ^2/NDF: 41.2/35

All: 59.460+/-186.908 χ^2/NDF: 71.0/73

- sign 134.117+/-263.997 χ^2/NDF: 29.7/37

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

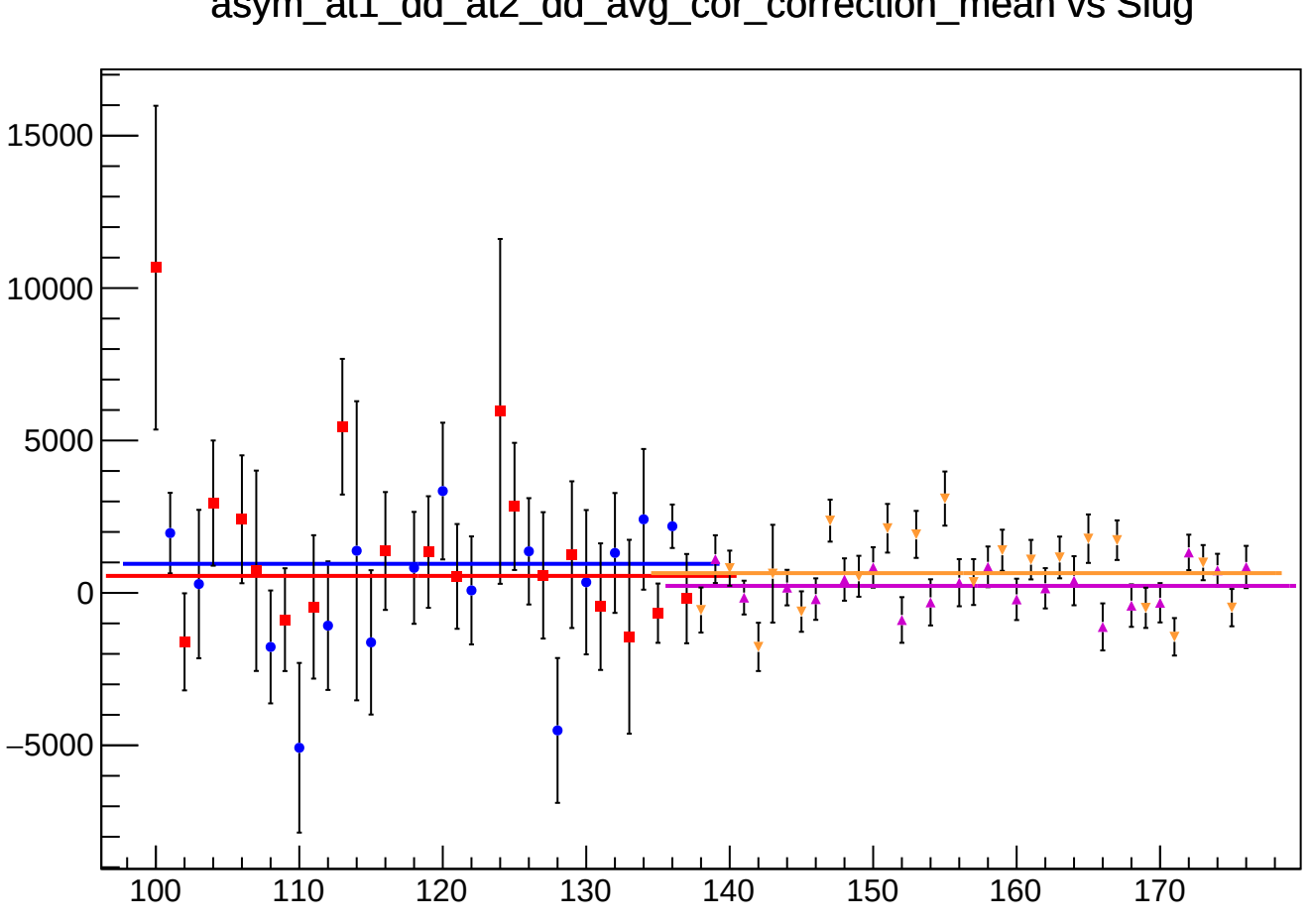
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

+ sign 1262.225+/-0.187 χ^2/NDF: 701154.0/35

All: 1259.267+/-0.132 χ^2/NDF: 1066499.1/73

- sign 1256.325+/-0.187 χ^2/NDF: 364846.8/37



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

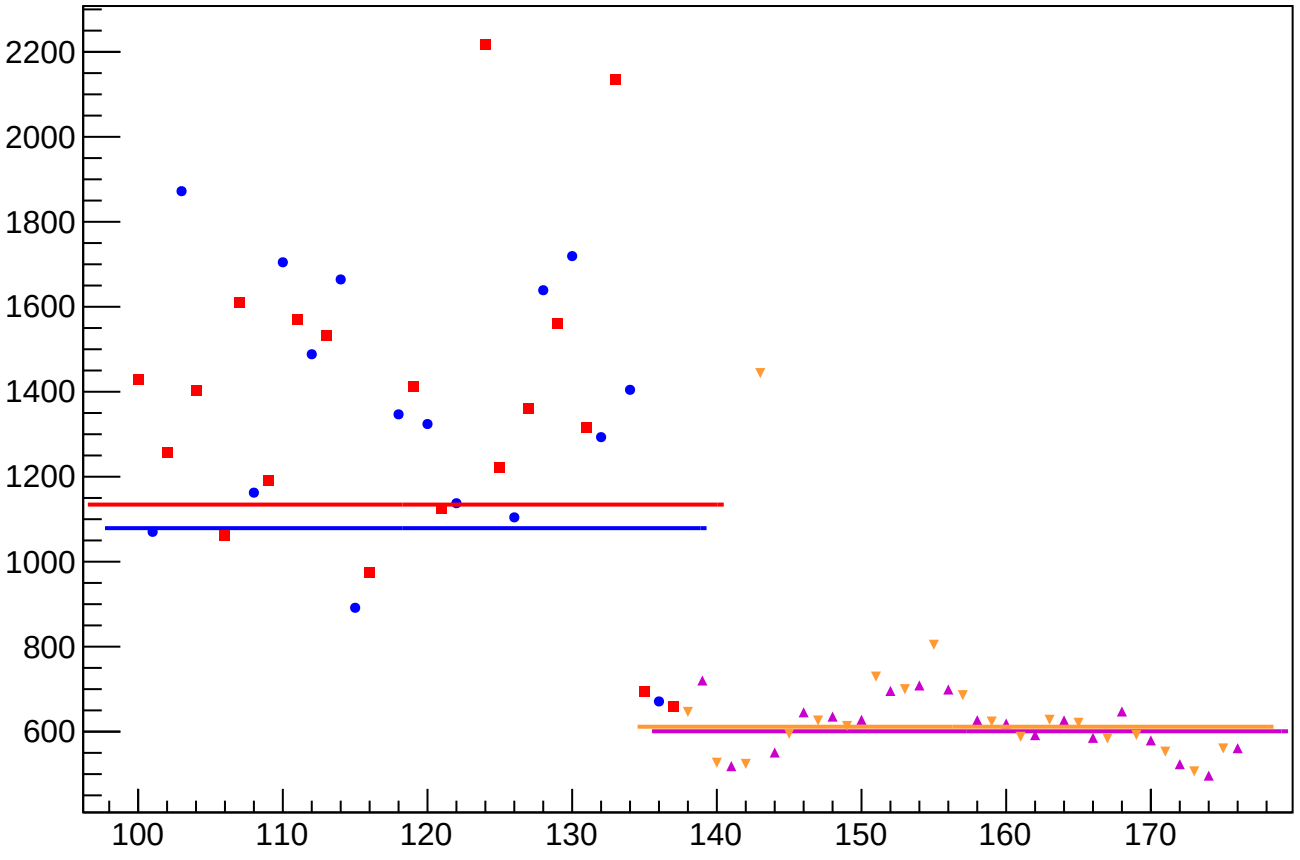
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 230.565+/-153.625 χ^2/NDF:17.1/18

+ sign 684.824+/-146.621 χ^2/NDF: 81.5/35

All: 473.194+/-103.123 χ^2/NDF: 121.6/73

- sign 266.028+/-145.066 χ^2/NDF: 36.0/37



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 611.559+/-0.110 χ^2/NDF:905692.9/19

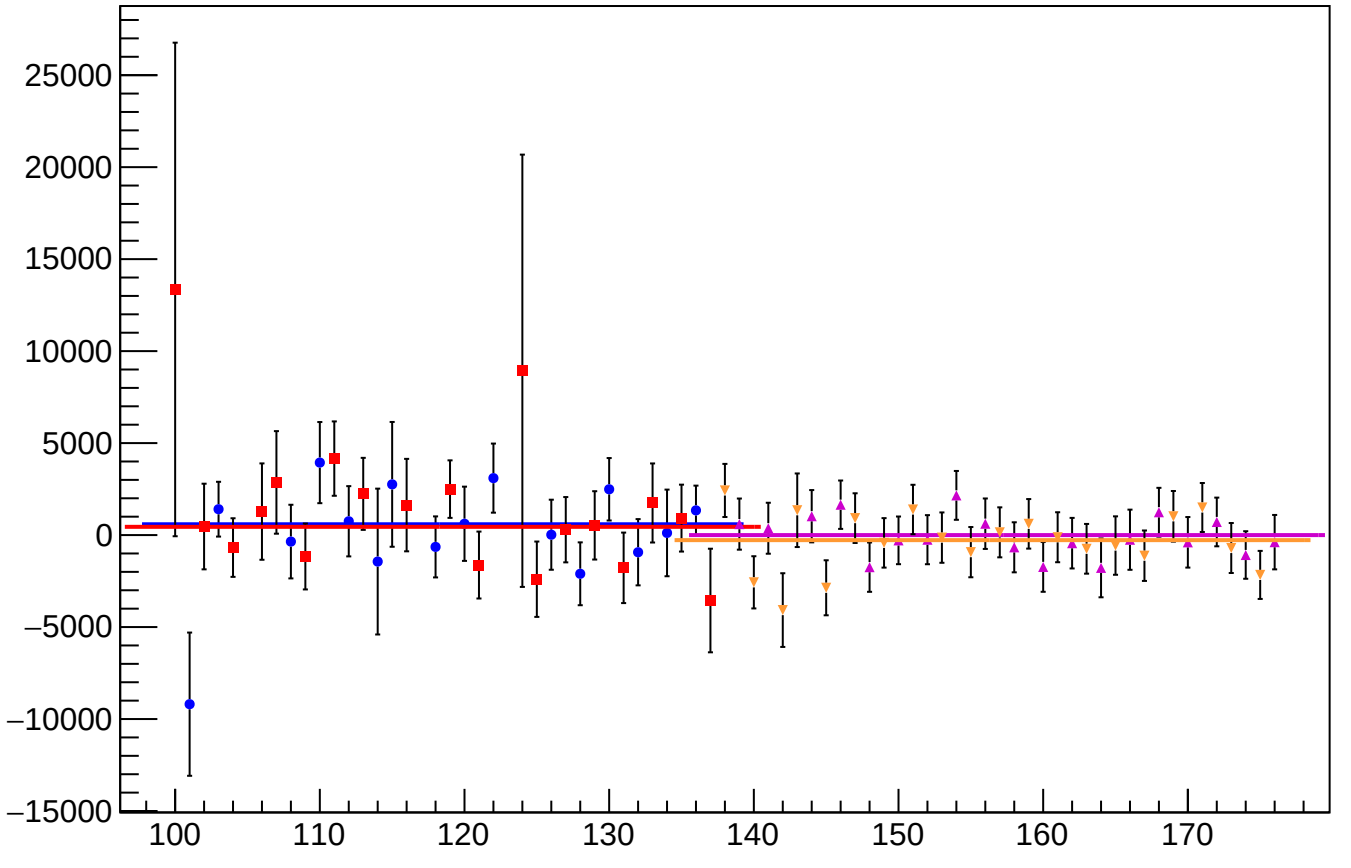
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

\+ sign 667.013+/-0.104 χ^2/NDF: 4509511.3/35

All: 662.762+/-0.073 χ^2/NDF: 8778251.2/73

\- sign 658.602+/-0.103 χ^2/NDF: 4265414.2/37



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

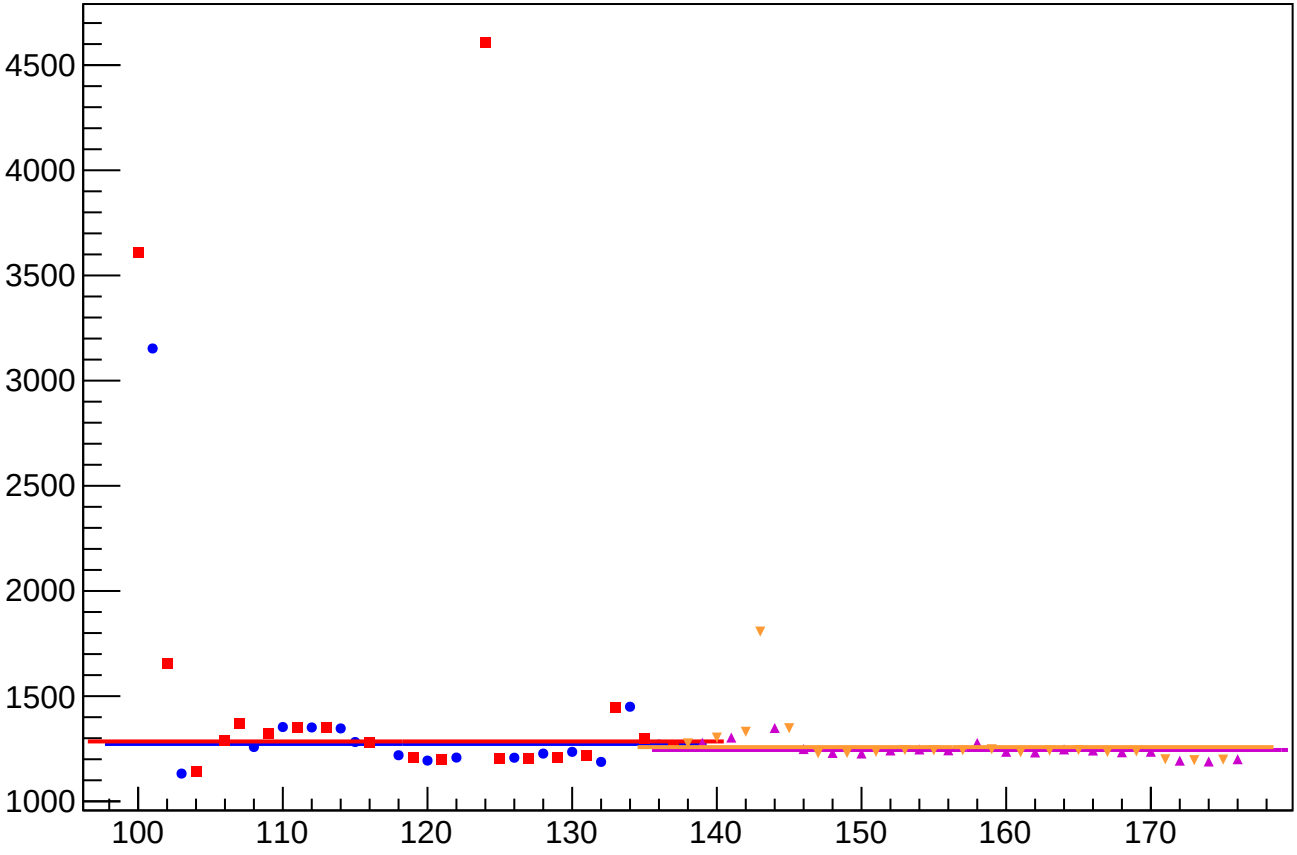
Left In: -1.108+/-315.722 χ^2/NDF:12.2/18

\+ sign -15.571+/-264.659 χ^2/NDF: 41.2/35

All: 59.460+/-186.908 χ^2/NDF: 71.0/73

\- sign 134.117+/-263.997 χ^2/NDF: 29.7/37

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: 1257.671+/-0.224 χ^2/NDF:180478.6/19

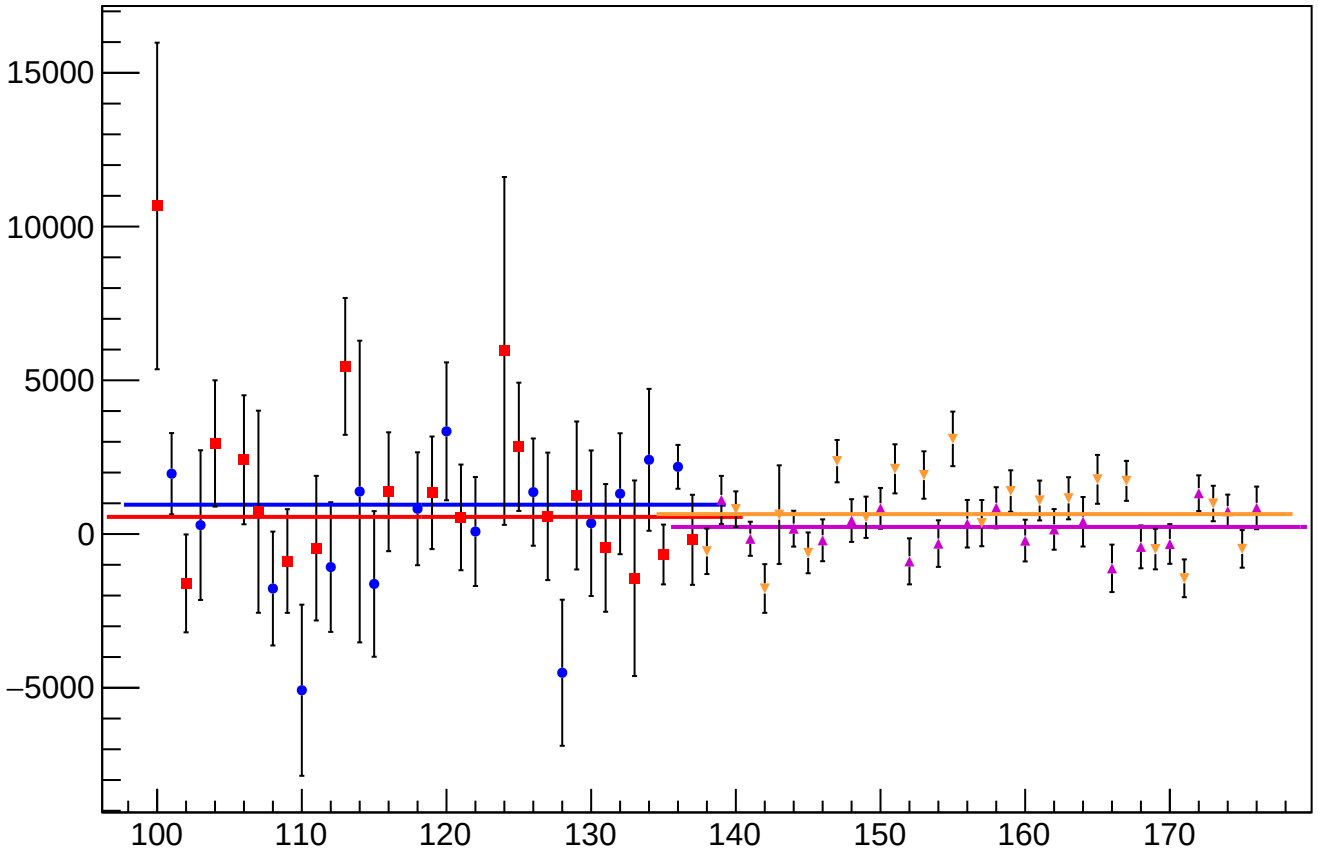
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

+ sign 1262.225+/-0.187 χ^2/NDF: 701154.0/35

All: 1259.267+/-0.132 χ^2/NDF: 1066499.1/73

- sign 1256.325+/-0.187 χ^2/NDF: 364846.8/37



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

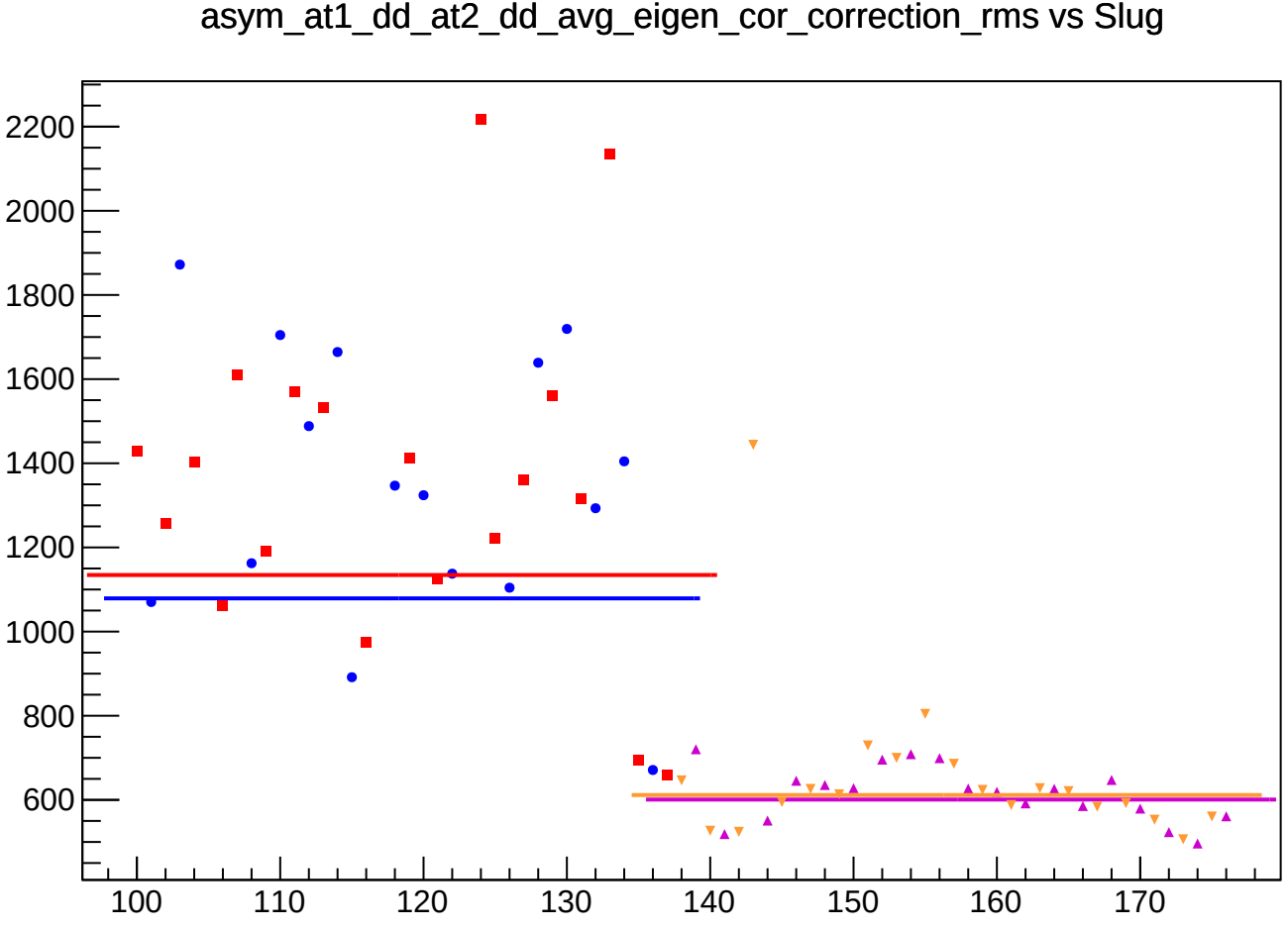
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 230.565+/-153.625 χ^2/NDF:17.1/18

+ sign 684.824+/-146.621 χ^2/NDF: 81.5/35

All: 473.194+/-103.123 χ^2/NDF: 121.6/73

- sign 266.028+/-145.066 χ^2/NDF: 36.0/37



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 611.559+/-0.110 χ^2/NDF:905692.9/19

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

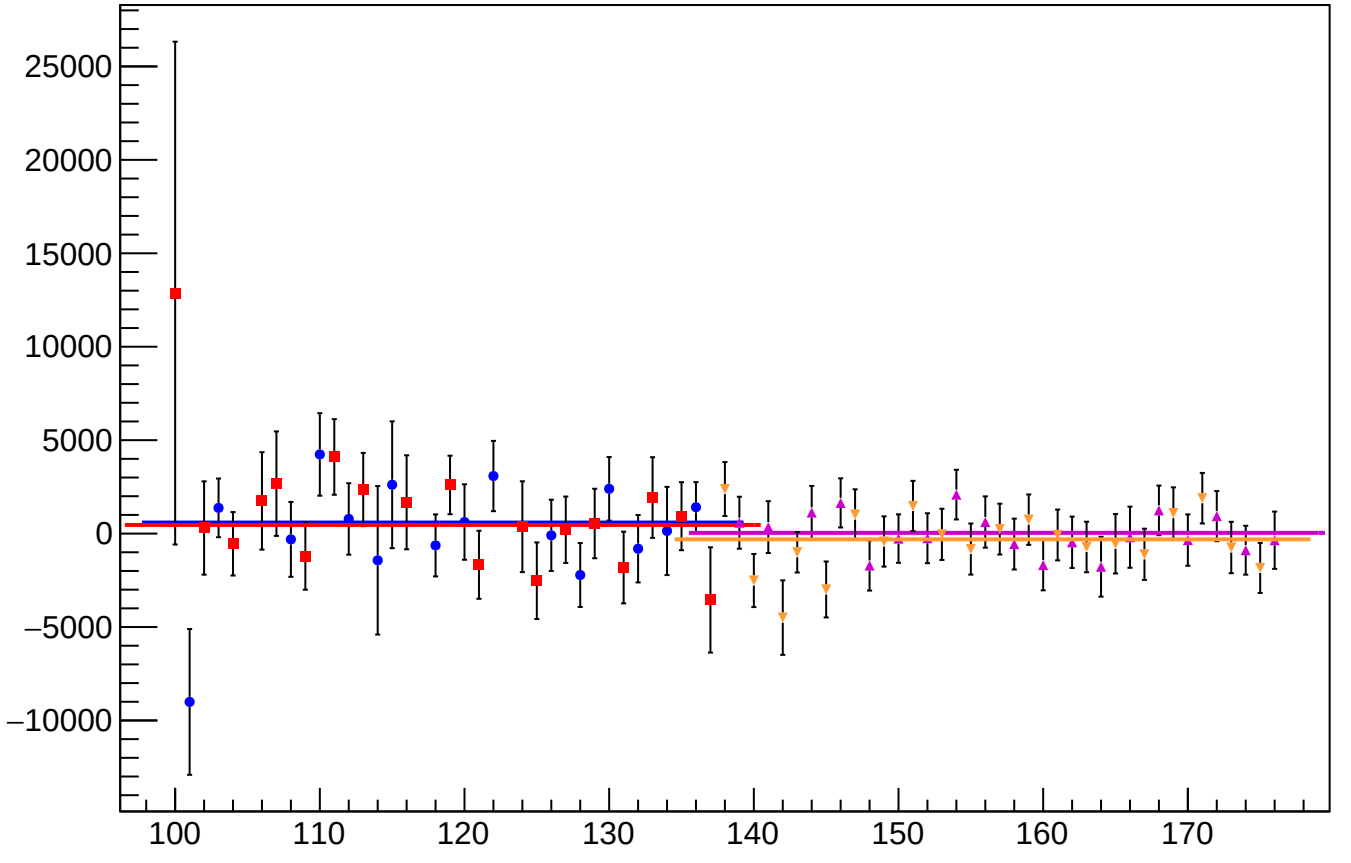
Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

\+ sign 667.013+/-0.104 χ^2/NDF: 4509511.3/35

All: 662.762+/-0.073 χ^2/NDF: 8778251.2/73

\- sign 658.602+/-0.103 χ^2/NDF: 4265414.2/37

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.984+/-308.452 χ^2/NDF:23.2/19

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

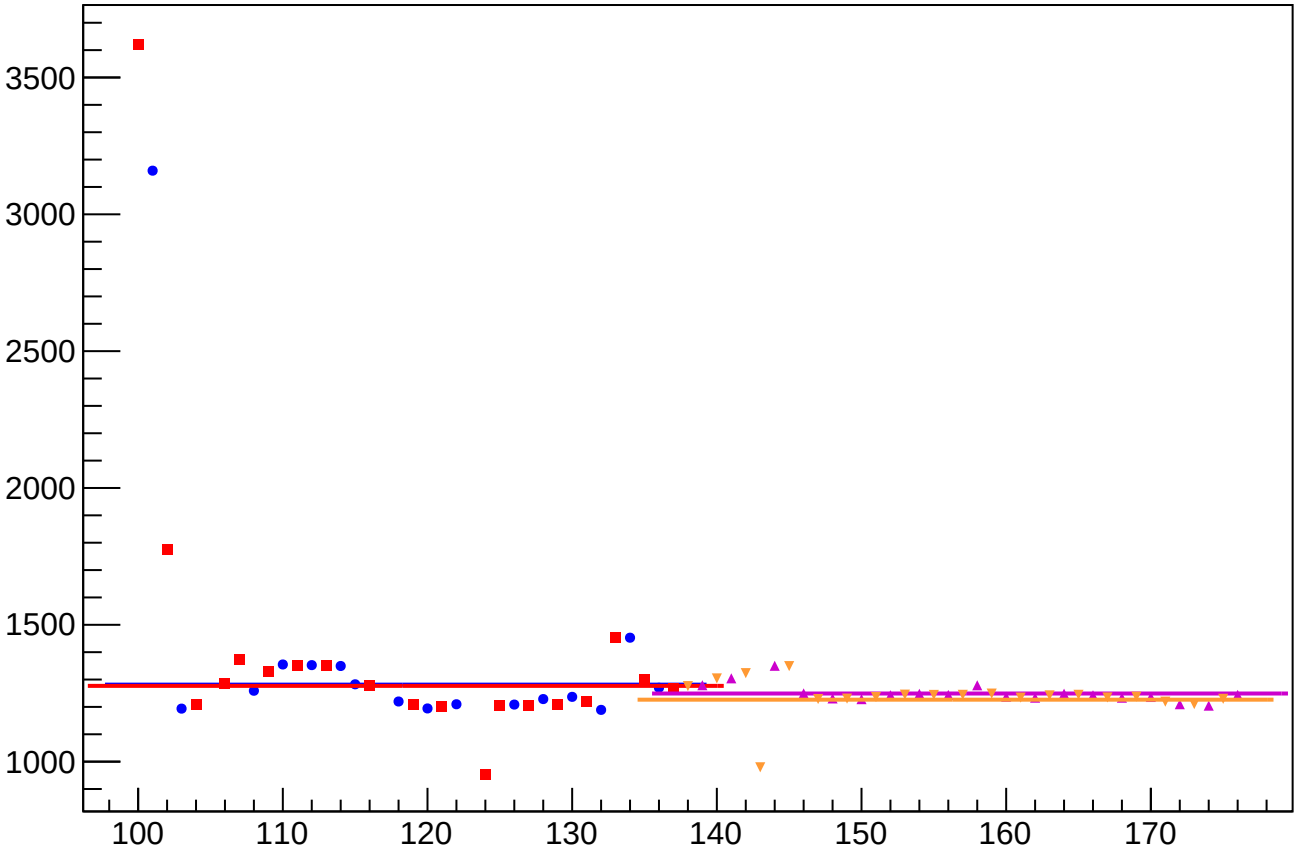
Left In: 39.558+/-316.920 χ^2/NDF:11.8/18

+ sign -49.647+/-260.348 χ^2/NDF: 42.7/35

All: 58.276+/-185.349 χ^2/NDF: 72.1/73

- sign 169.192+/-263.934 χ^2/NDF: 29.0/37

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133269.0/19

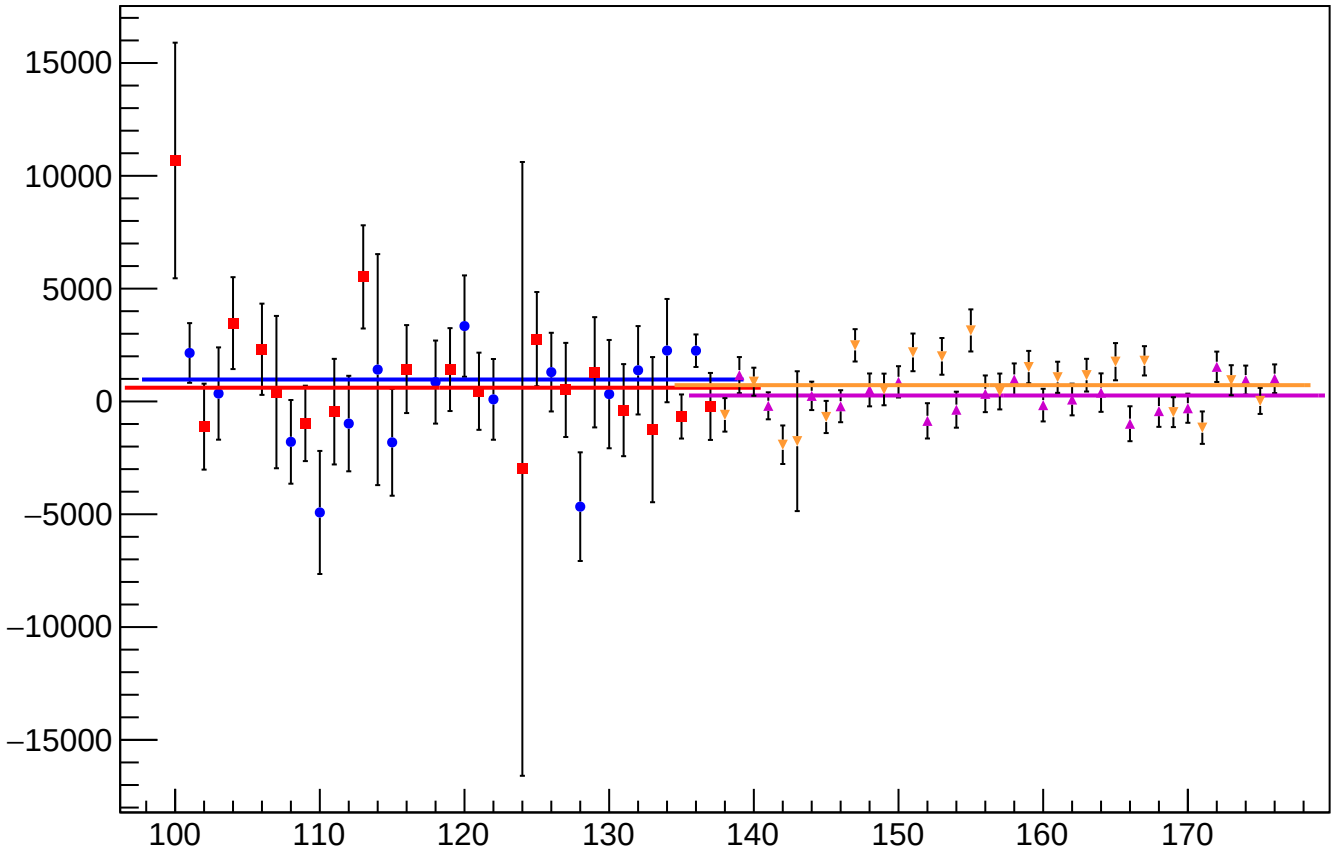
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.7/18

+ sign 1242.205+/-0.184 χ^2/NDF: 658616.6/35

All: 1249.751+/-0.131 χ^2/NDF: 908371.2/73

- sign 1257.507+/-0.187 χ^2/NDF: 246347.2/37



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 721.544+/-164.925 χ^2/NDF:53.8/19

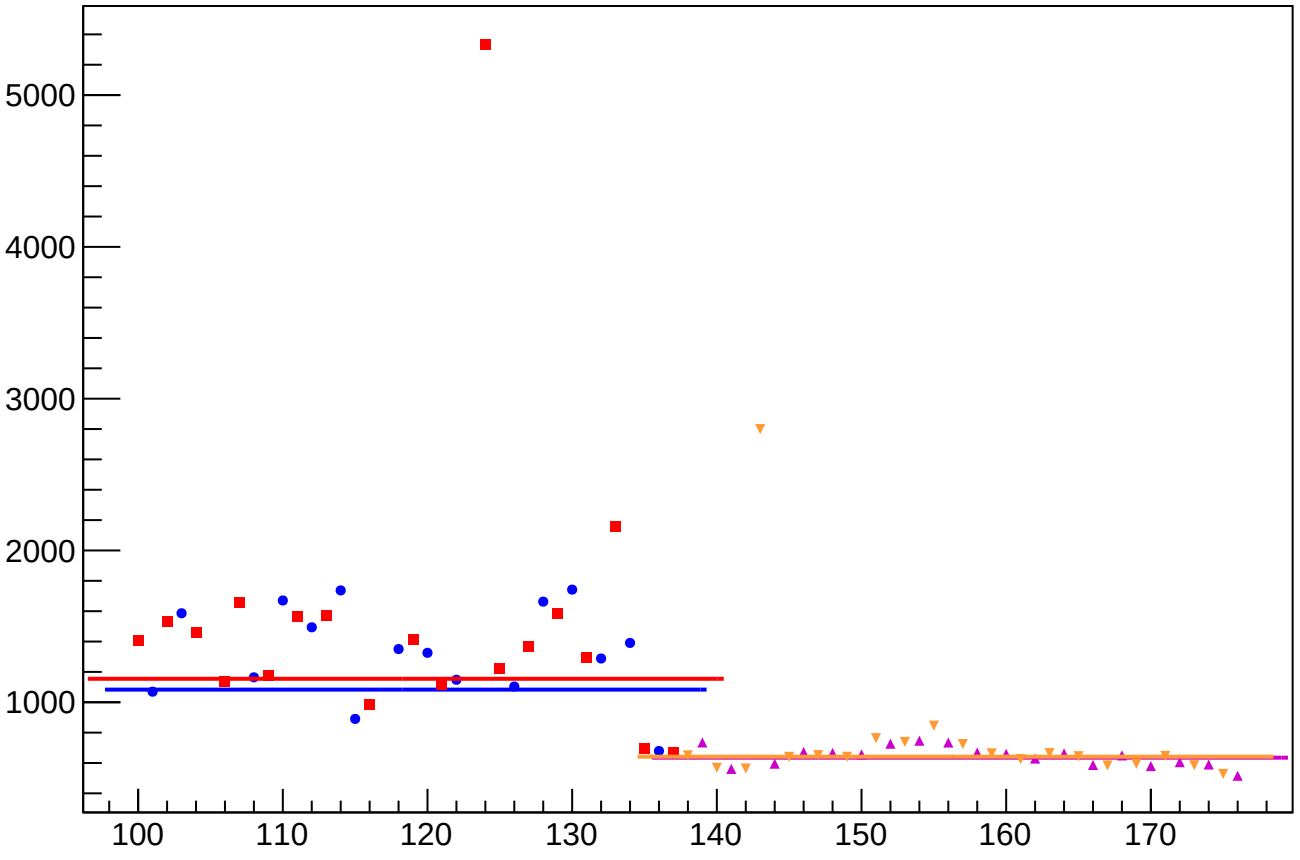
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 263.669+/-162.125 χ^2/NDF:17.7/18

+ sign 754.332+/-153.764 χ^2/NDF: 74.5/35

All: 527.032+/-108.256 χ^2/NDF: 114.2/73

- sign 303.633+/-152.439 χ^2/NDF: 35.4/37



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 641.607+/-0.117 χ^2/NDF:1326091.2/19

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

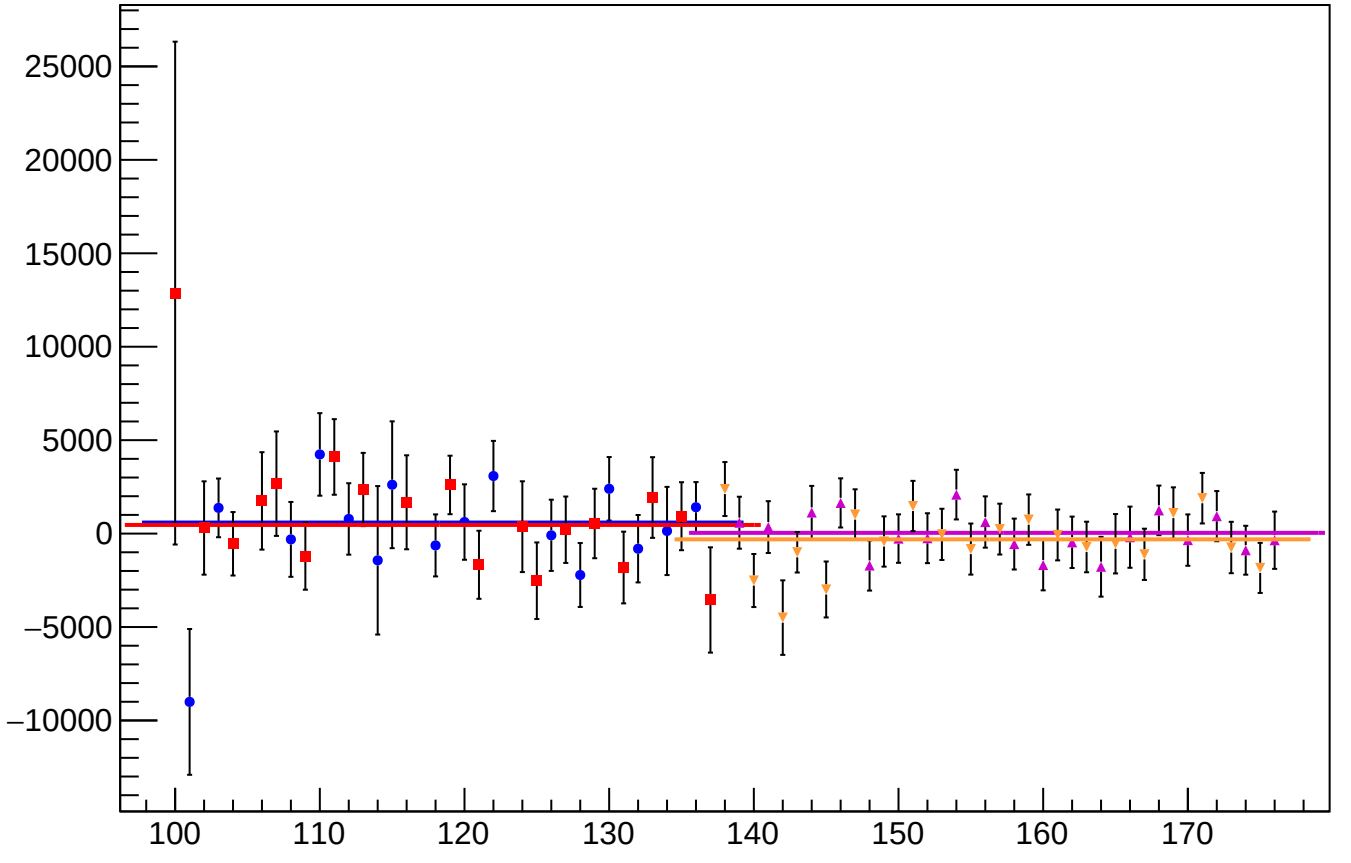
Left In: 634.968+/-0.115 χ^2/NDF:294225.7/18

+ sign 699.369+/-0.109 χ^2/NDF: 4562330.6/35

All: 697.275+/-0.077 χ^2/NDF: 8728364.1/73

- sign 695.217+/-0.108 χ^2/NDF: 4165298.3/37

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.986+/-308.452 χ^2/NDF:23.2/19

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

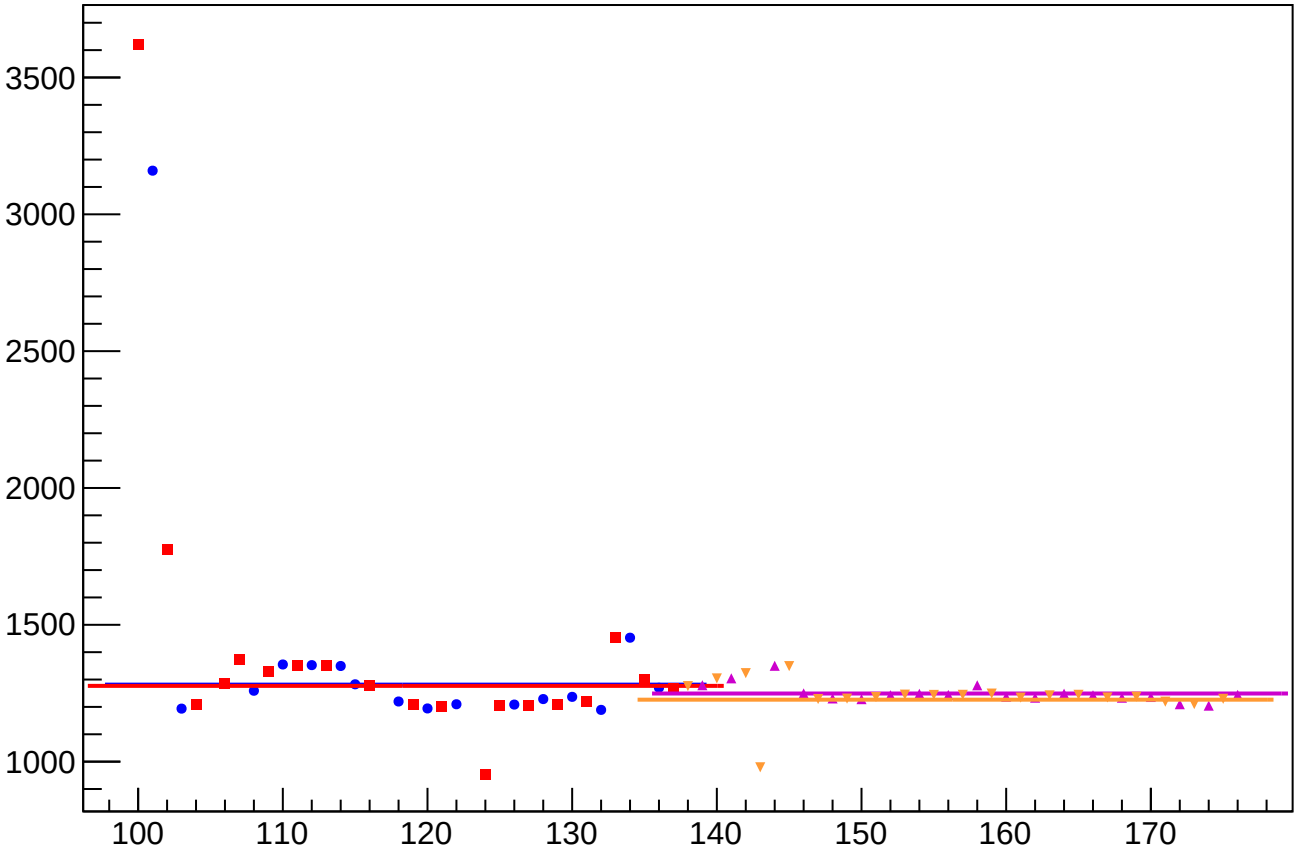
Left In: 39.558+/-316.920 χ^2/NDF:11.8/18

+ sign -49.648+/-260.348 χ^2/NDF: 42.7/35

All: 58.275+/-185.349 χ^2/NDF: 72.1/73

- sign 169.191+/-263.934 χ^2/NDF: 29.0/37

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: 1226.396+/-0.218 χ^2/NDF:133268.3/19

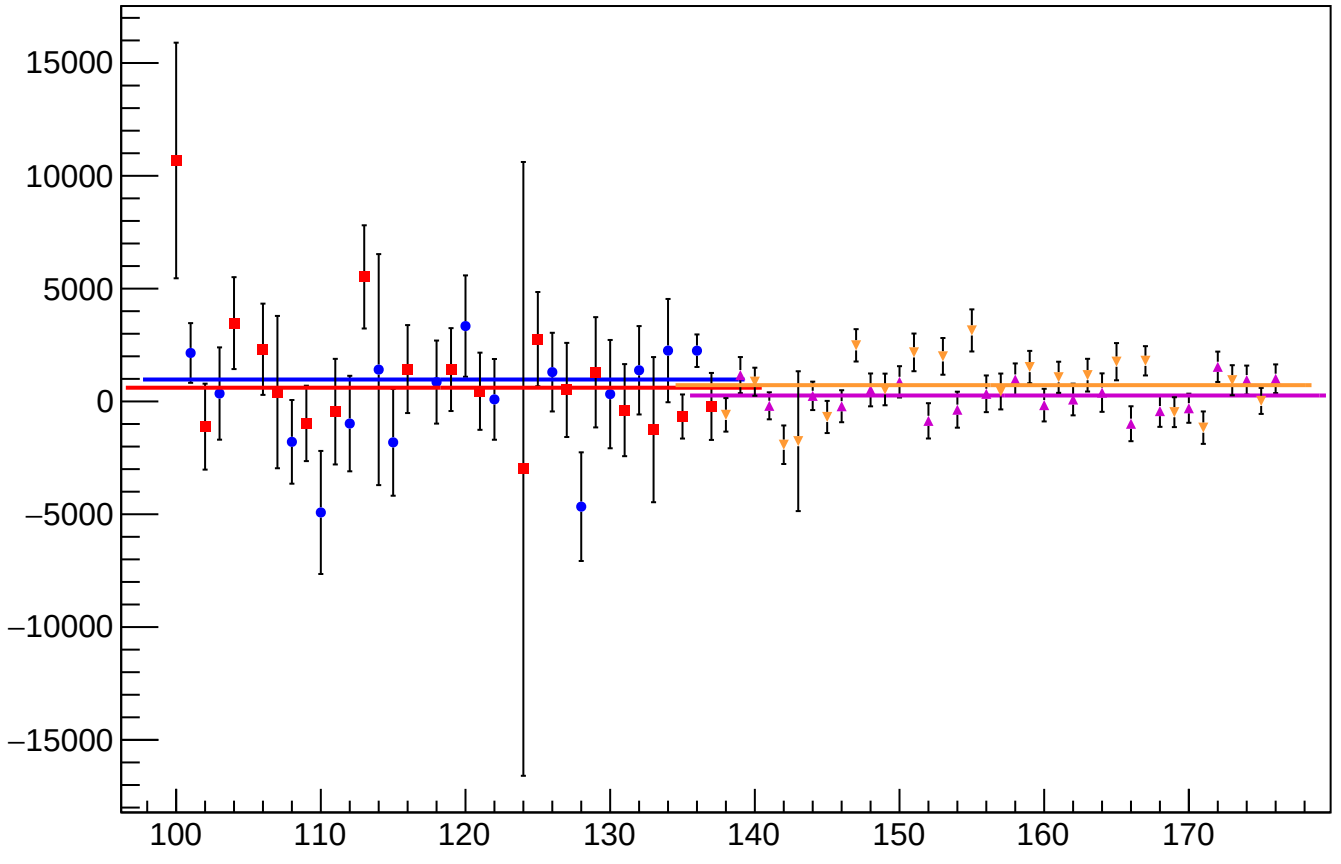
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.8/18

+ sign 1242.205+/-0.184 χ^2/NDF: 658616.0/35

All: 1249.751+/-0.131 χ^2/NDF: 908370.5/73

- sign 1257.507+/-0.187 χ^2/NDF: 246347.1/37



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 721.545+/-164.925 χ^2/NDF:53.8/19

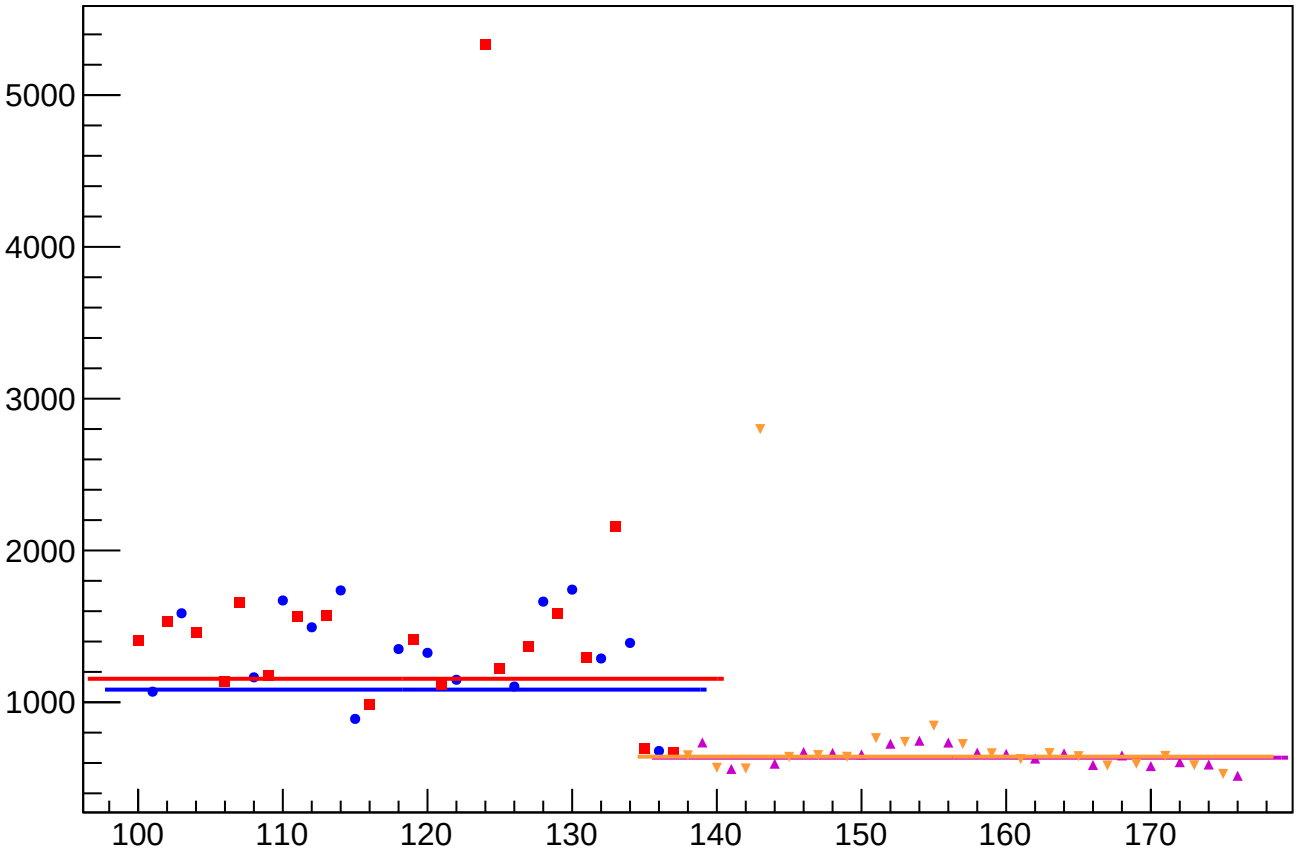
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 263.668+/-162.125 χ^2/NDF:17.7/18

+ sign 754.332+/-153.764 χ^2/NDF: 74.5/35

All: 527.031+/-108.256 χ^2/NDF: 114.2/73

- sign 303.633+/-152.439 χ^2/NDF: 35.4/37



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 641.607+/-0.117 χ^2/NDF:1326088.0/19

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

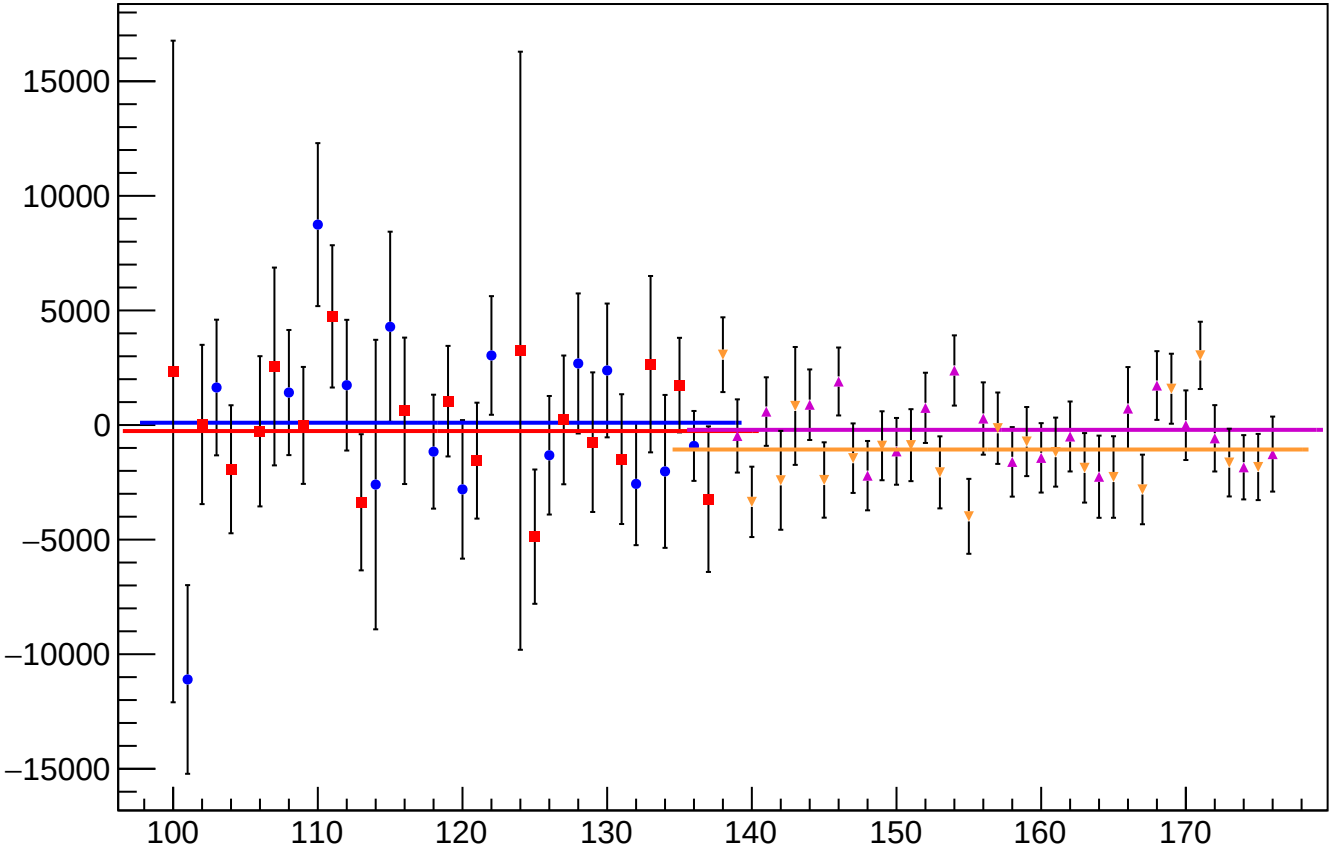
Left In: 634.967+/-0.115 χ^2/NDF:294228.9/18

+ sign 699.369+/-0.109 χ^2/NDF: 4562312.5/35

All: 697.275+/-0.077 χ^2/NDF: 8728351.1/73

- sign 695.217+/-0.108 χ^2/NDF: 4165303.1/37

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1068.069+/-355.670 χ^2/NDF:27.6/19

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

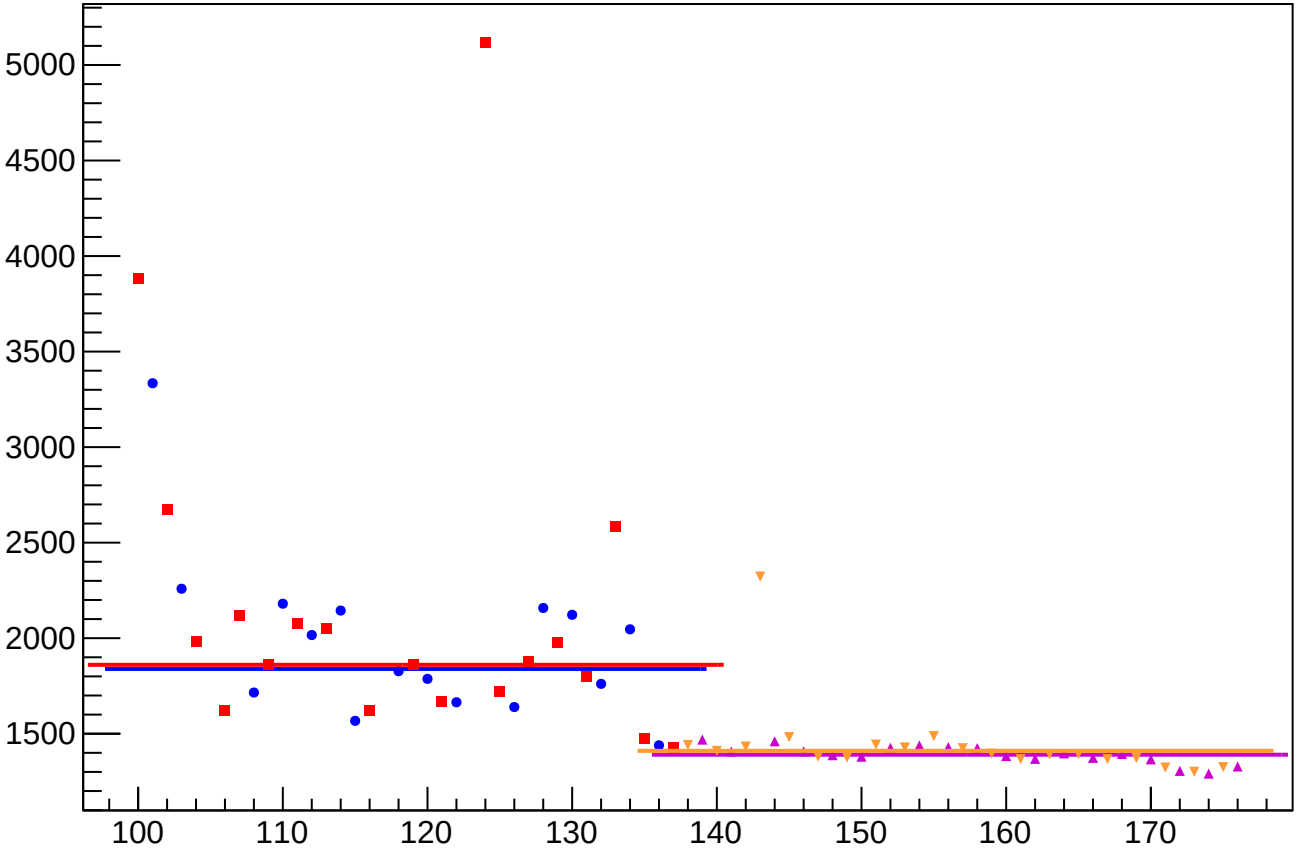
Left In: -210.020+/-352.862 χ^2/NDF:15.0/18

+ sign -827.744+/-316.992 χ^2/NDF: 51.2/35

All: -522.377+/-223.464 χ^2/NDF: 78.3/73

- sign -220.707+/-315.068 χ^2/NDF: 25.3/37

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1410.426+/-0.251 χ^2/NDF:294118.7/19

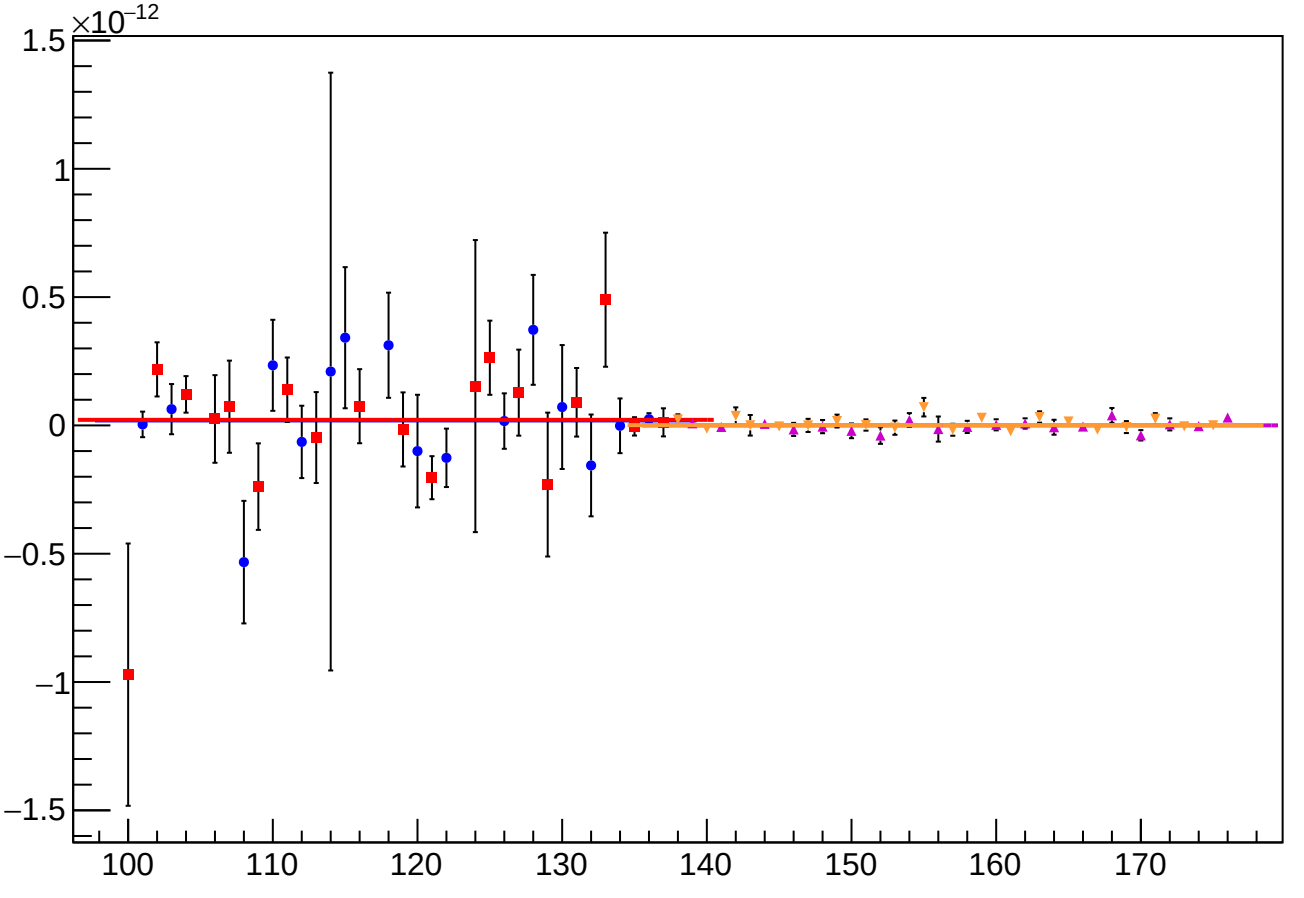
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1390.175+/-0.250 χ^2/NDF:35958.2/18

+ sign 1498.593+/-0.224 χ^2/NDF: 1448404.4/35

All: 1492.049+/-0.158 χ^2/NDF: 2729353.4/73

- sign 1485.585+/-0.223 χ^2/NDF: 1279254.8/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/19

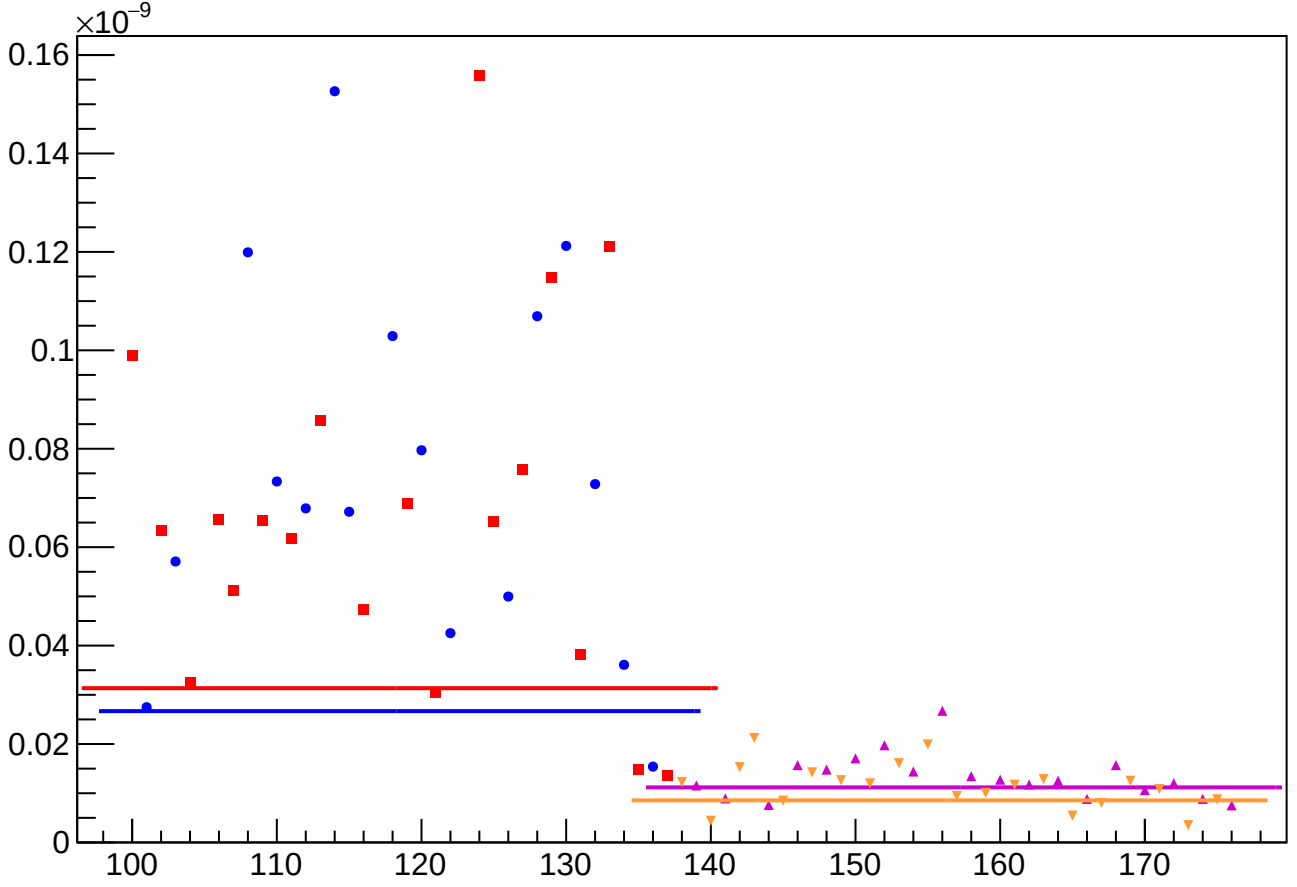
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/35

All: 0.000+/-0.000 χ^2/NDF: 77.8/73

- sign 0.000+/-0.000 χ^2/NDF: 41.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1998162.4/19

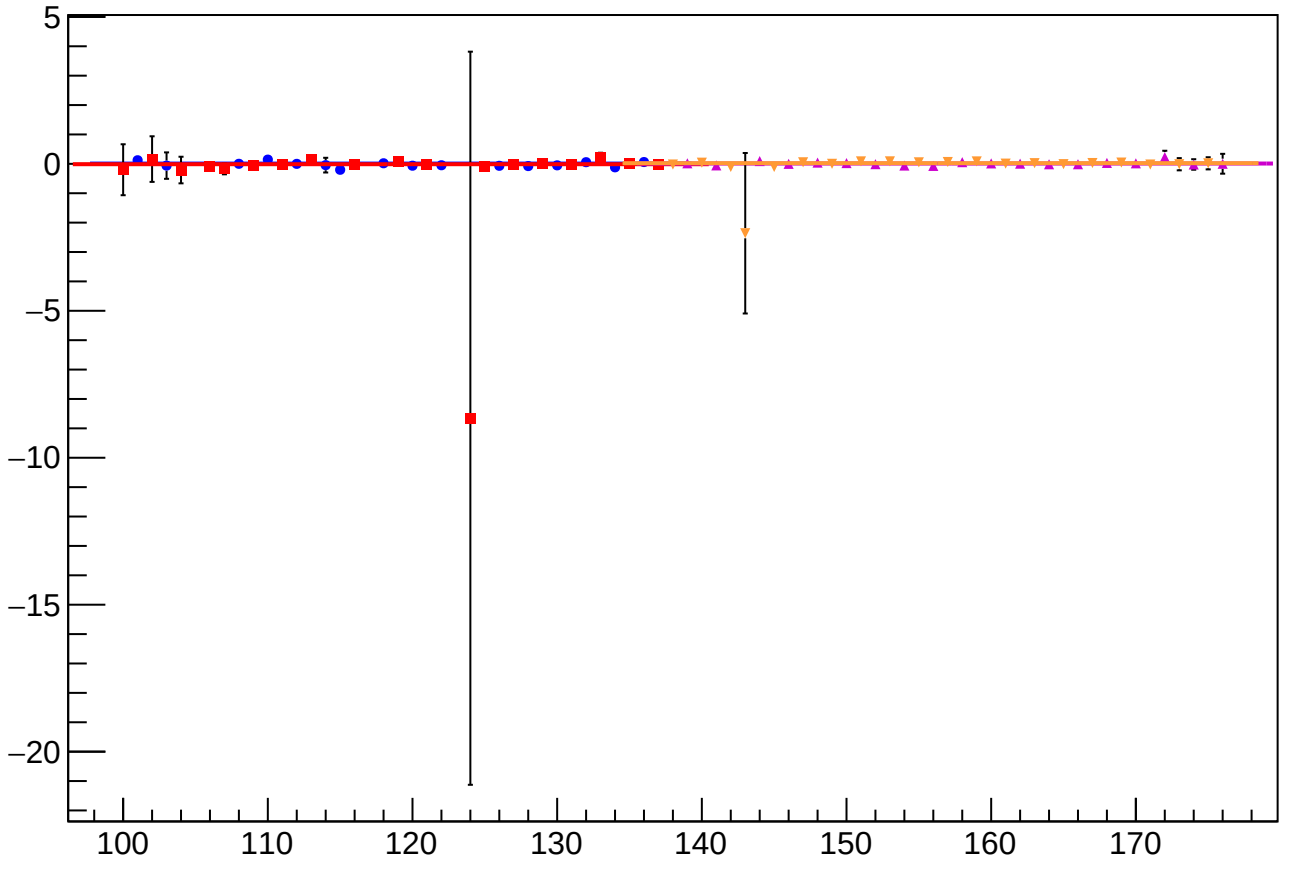
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:988234.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 6355599.7/35

All: 0.000+/-0.000 χ^2/NDF: 11575319.7/73

- sign 0.000+/-0.000 χ^2/NDF: 4823174.8/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

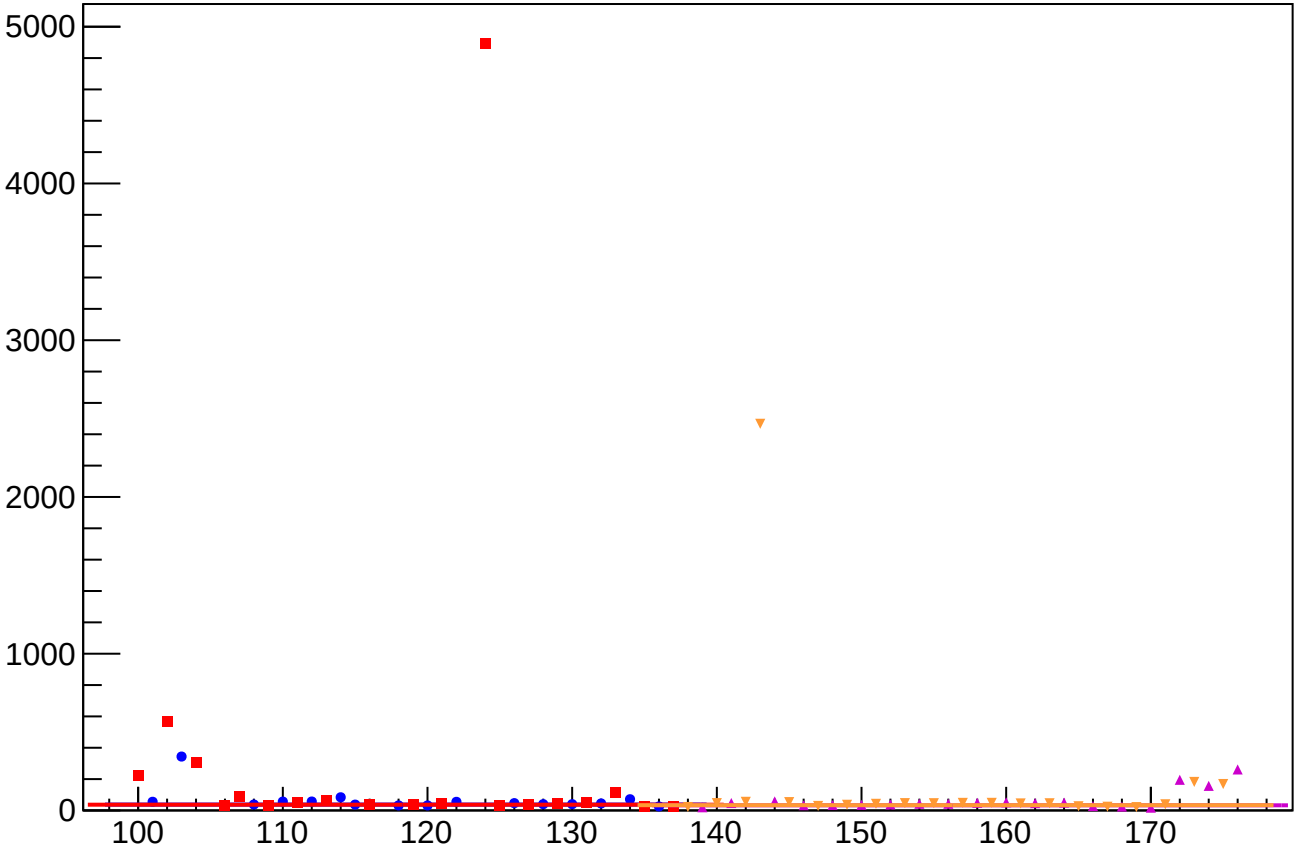
Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/73

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37

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: 33.667+/-0.007 χ^2/NDF:5853305.7/19

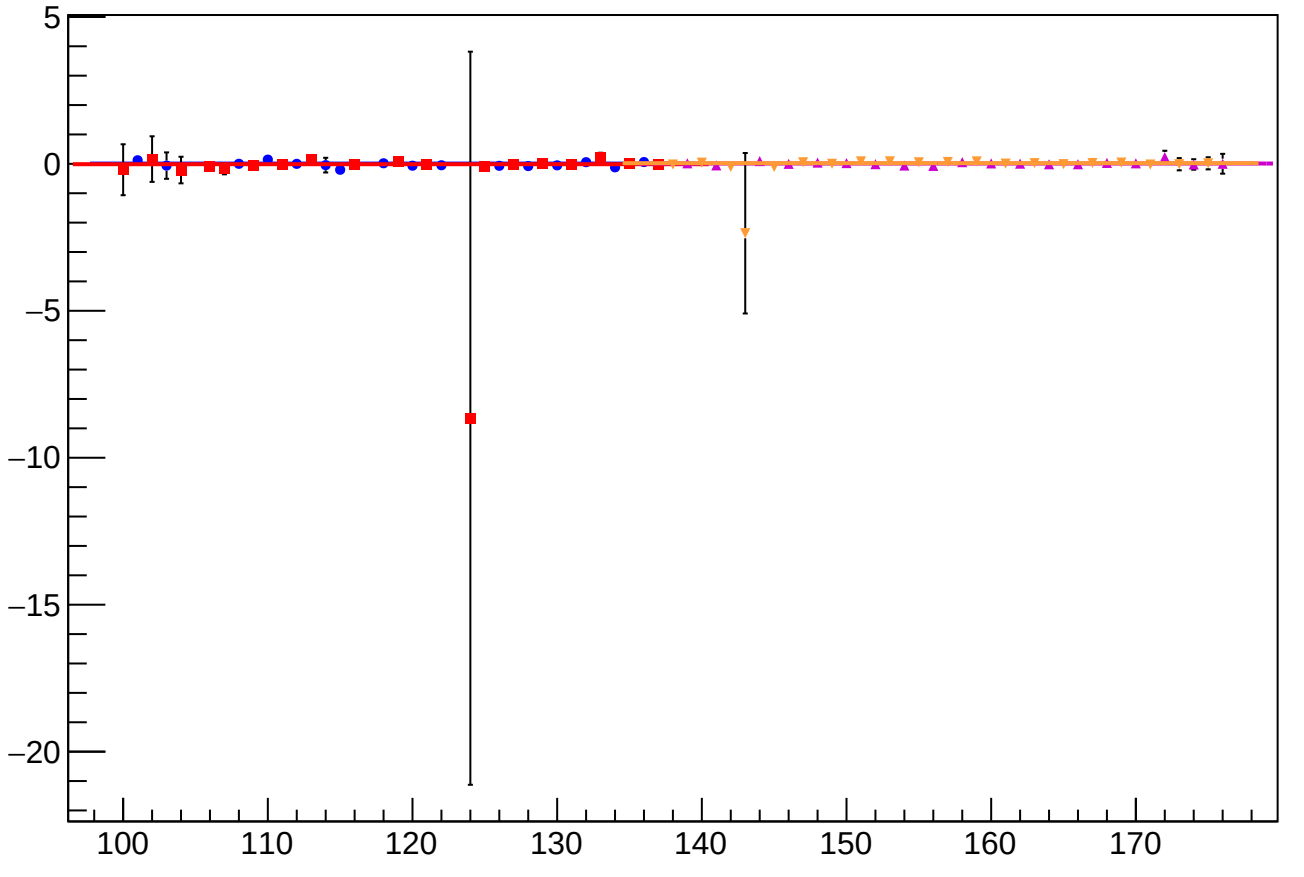
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

+ sign 34.769+/-0.006 χ^2/NDF: 7917288.7/35

All: 34.310+/-0.004 χ^2/NDF: 16935421.5/73

- sign 33.861+/-0.006 χ^2/NDF: 9006948.8/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

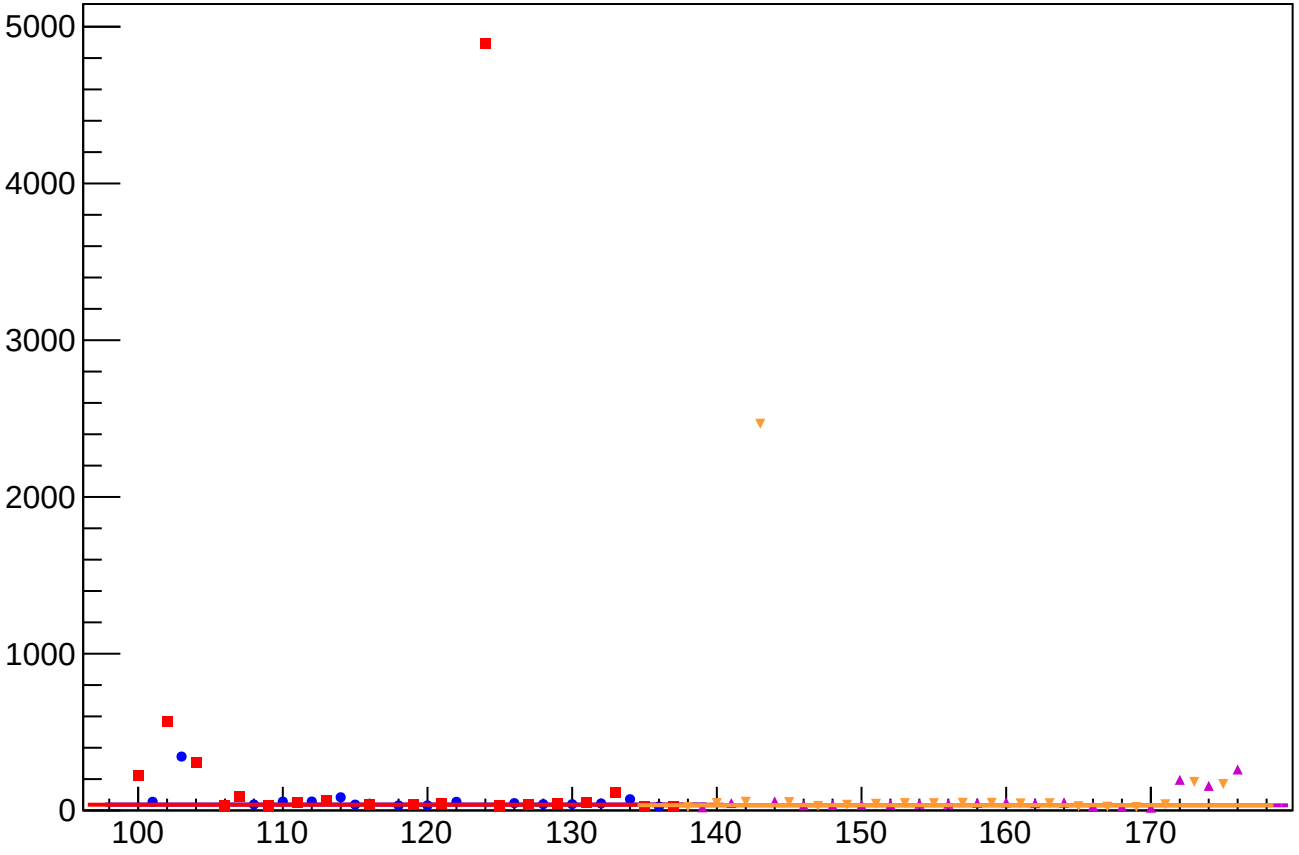
Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/73

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.667+/-0.007 χ^2/NDF:5853305.7/19

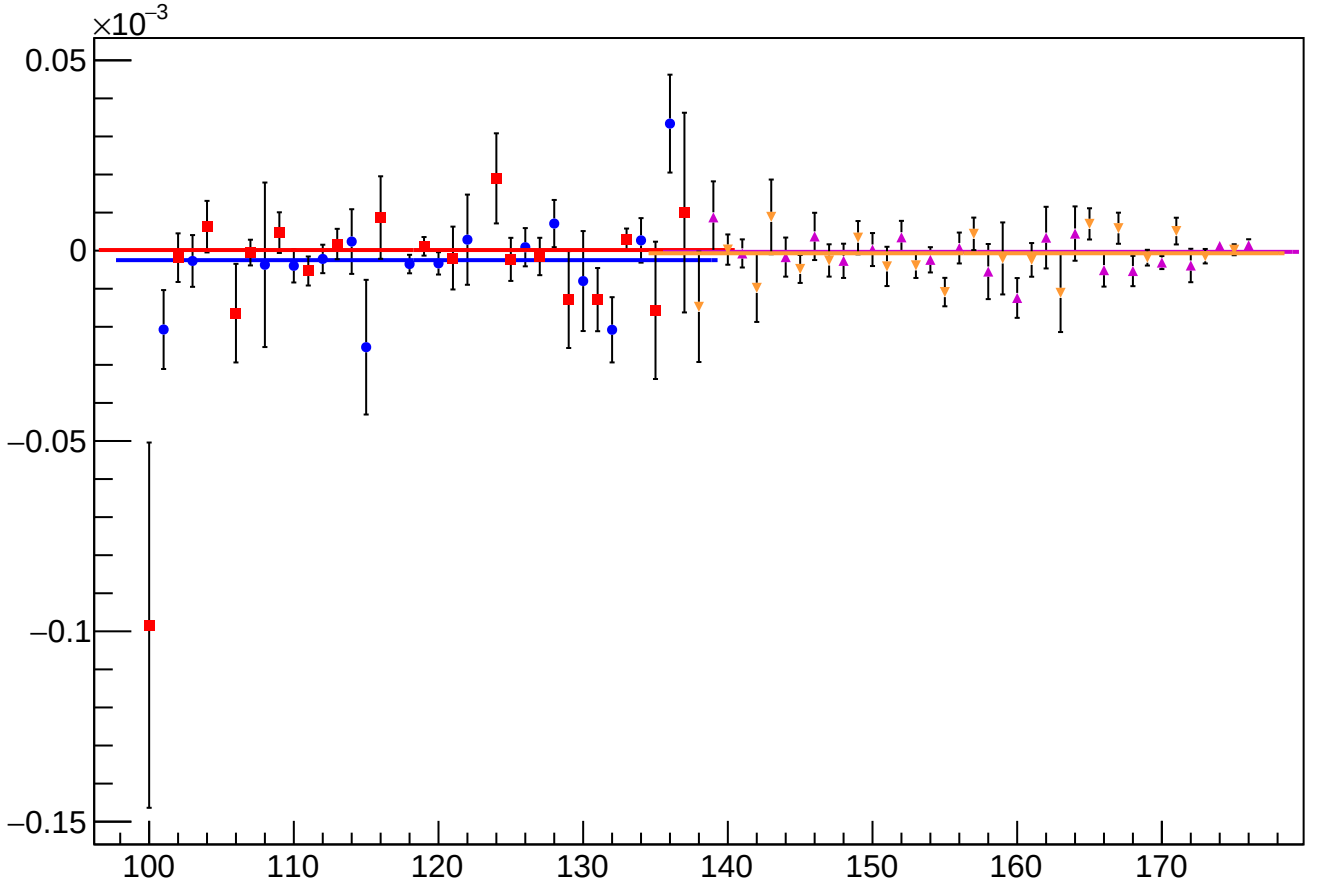
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

\+ sign 34.769+/-0.006 χ^2/NDF: 7917288.7/35

All: 34.310+/-0.004 χ^2/NDF: 16935421.5/73

\- sign 33.861+/-0.006 χ^2/NDF: 9006948.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/19

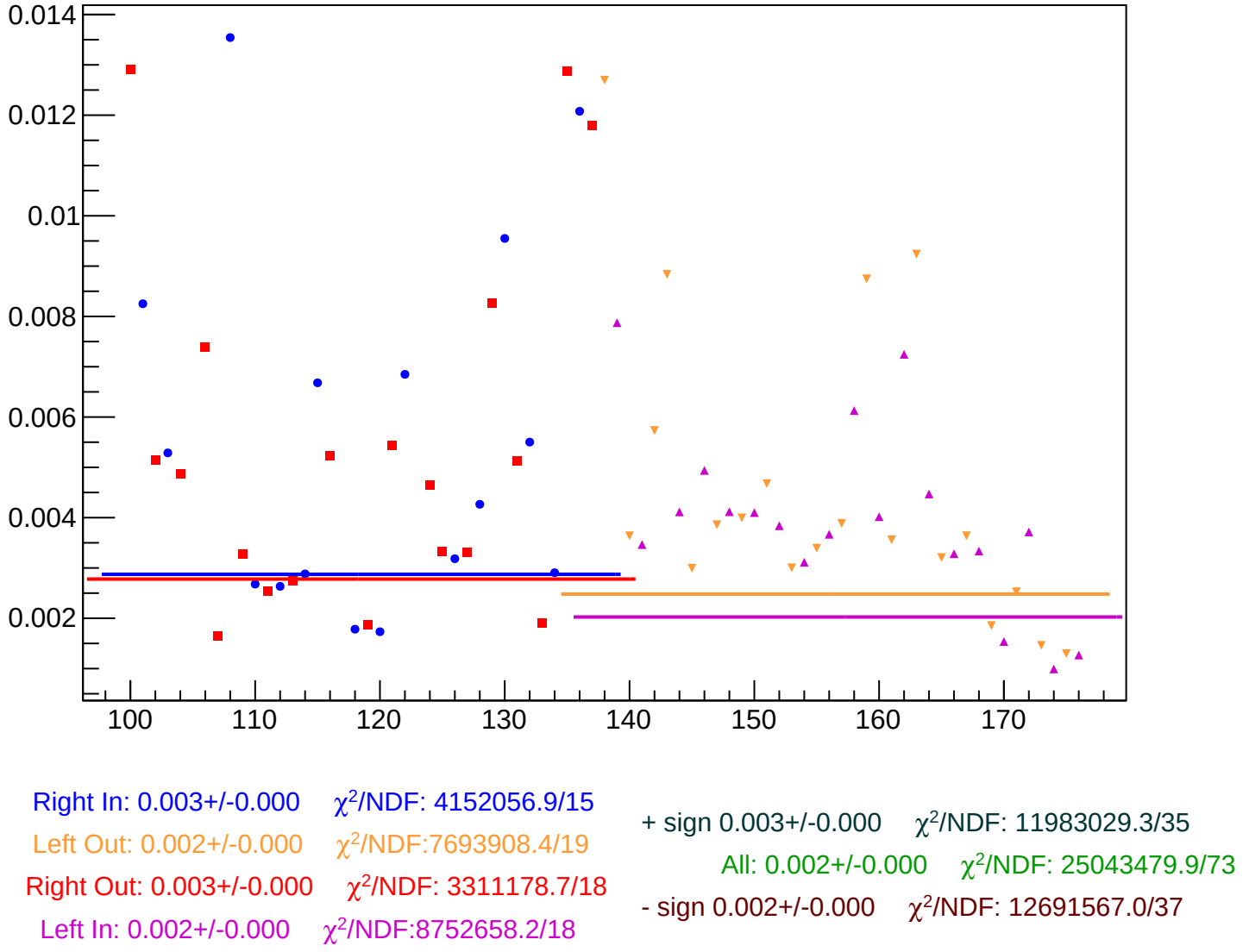
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

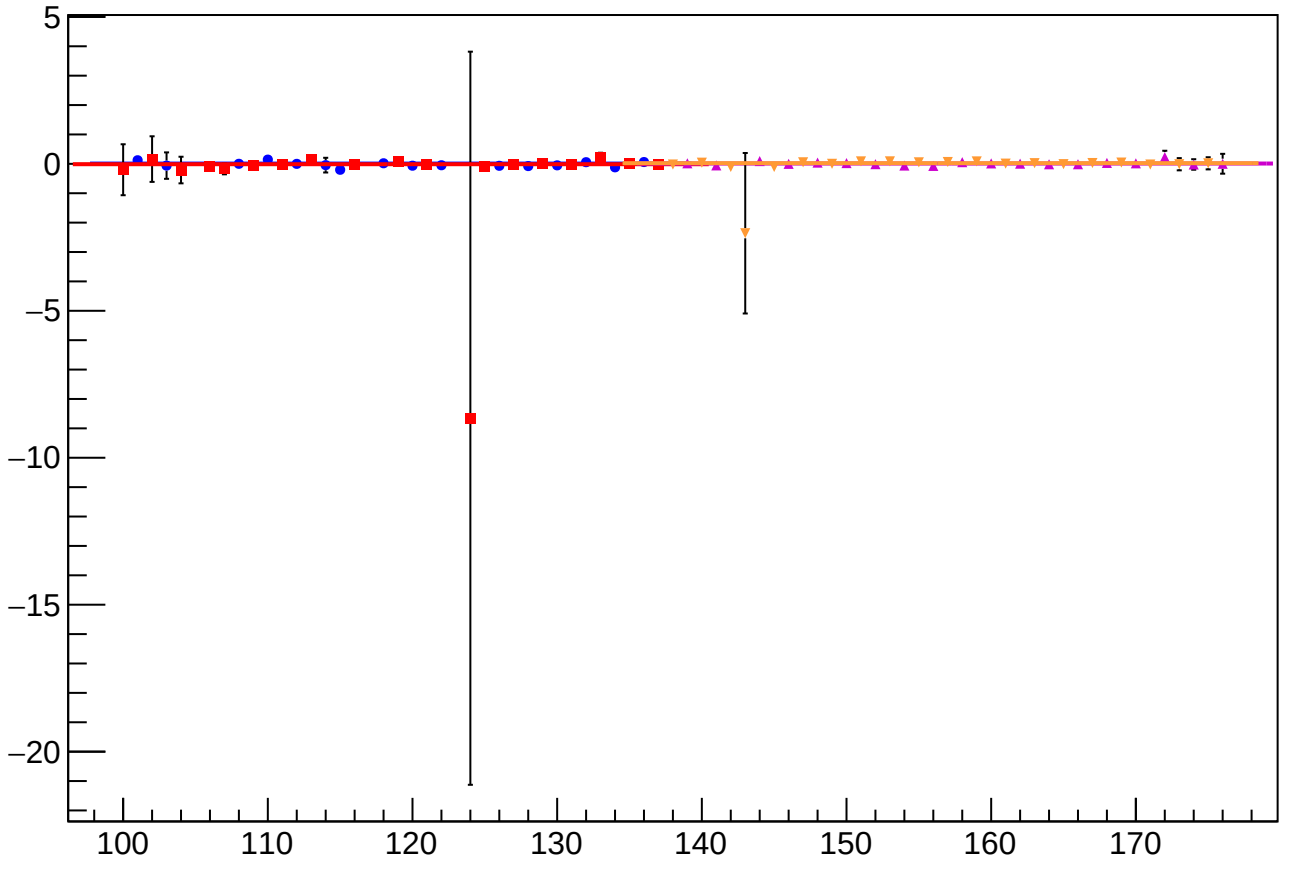
Left In: -0.000+/-0.000 χ^2/NDF:18.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 49.8/35

All: -0.000+/-0.000 χ^2/NDF: 88.9/73

- sign -0.000+/-0.000 χ^2/NDF: 37.9/37


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.002+/-0.000 χ²/NDF:7693908.4/19
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.002+/-0.000 χ²/NDF:8752658.2/18
+ sign 0.003+/-0.000 χ²/NDF: 11983029.3/35
All: 0.002+/-0.000 χ²/NDF: 25043479.9/73
- sign 0.002+/-0.000 χ²/NDF: 12691567.0/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

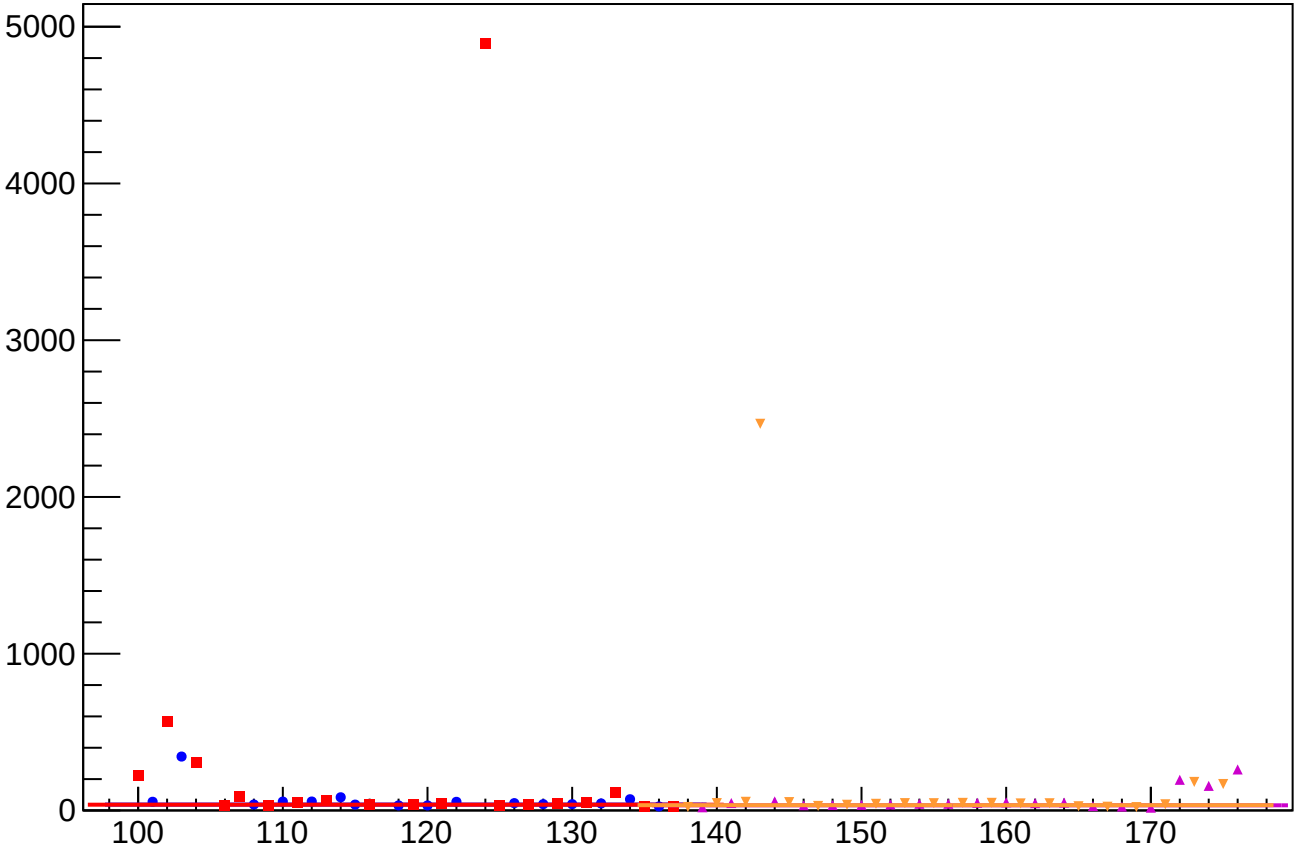
Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/73

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.666+/-0.007 χ^2/NDF:5853388.1/19

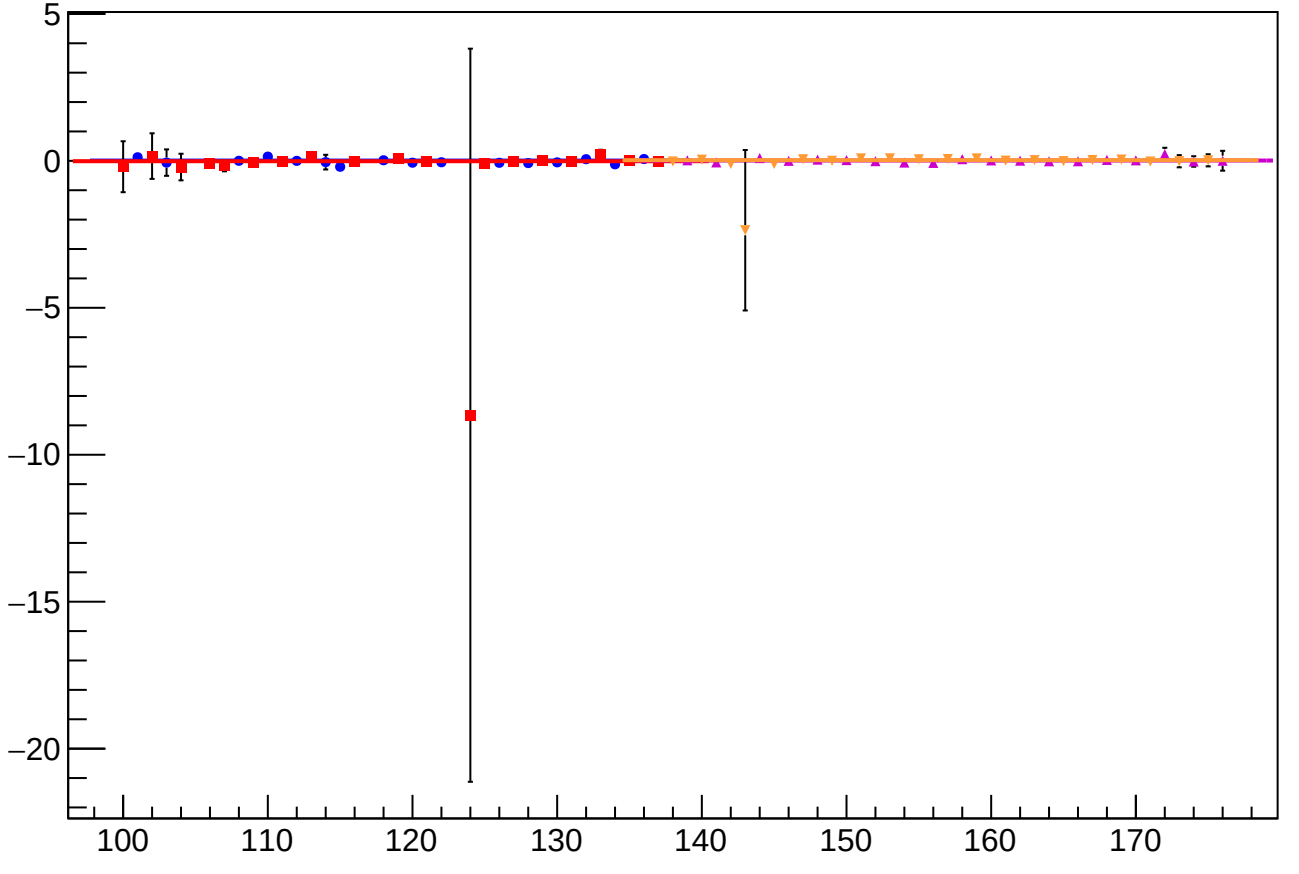
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

+ sign 34.768+/-0.006 χ^2/NDF: 7917364.1/35

All: 34.311+/-0.004 χ^2/NDF: 16933903.8/73

- sign 33.863+/-0.006 χ^2/NDF: 9005421.4/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

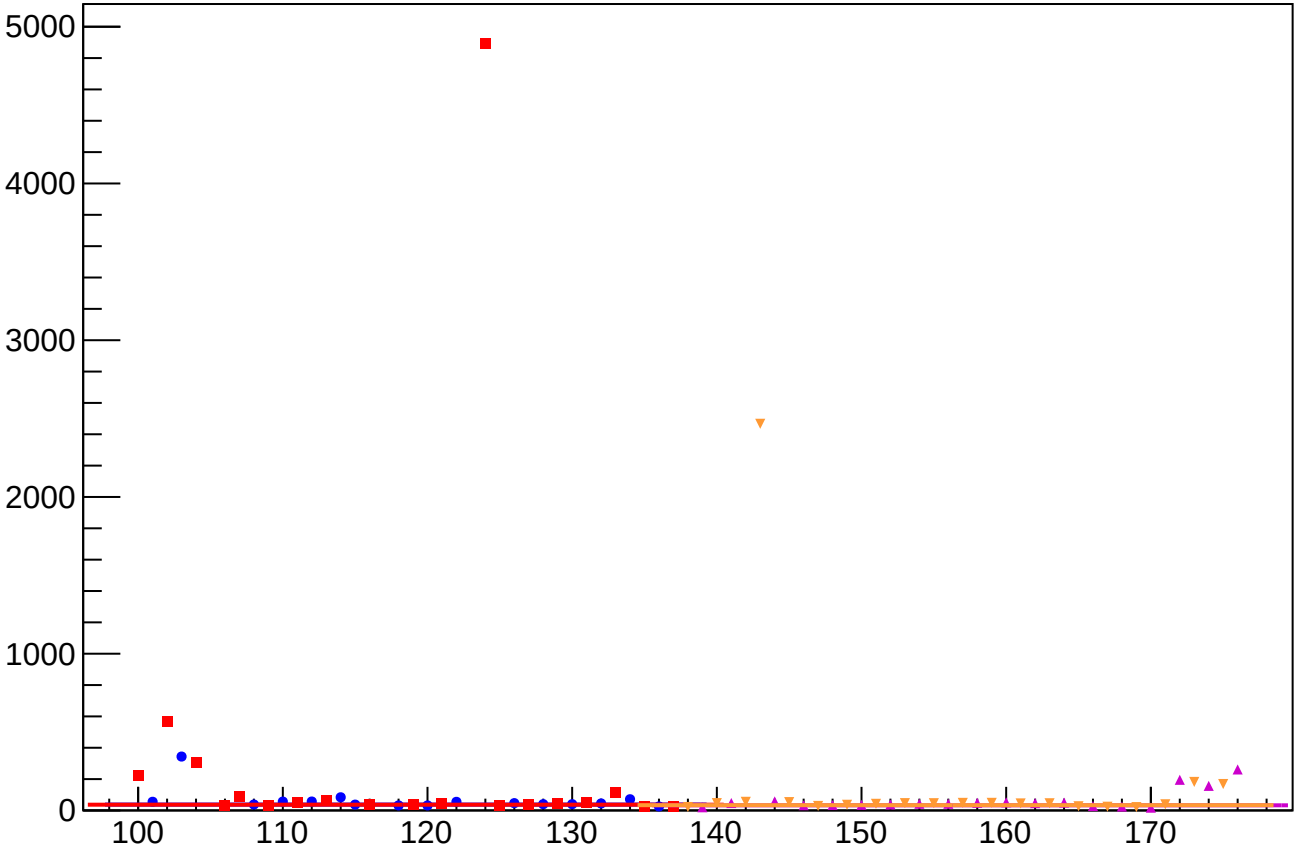
Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/35

All: 0.011+/-0.006 χ^2/NDF: 65.2/73

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37

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: 33.666+/-0.007 χ^2/NDF:5853388.1/19

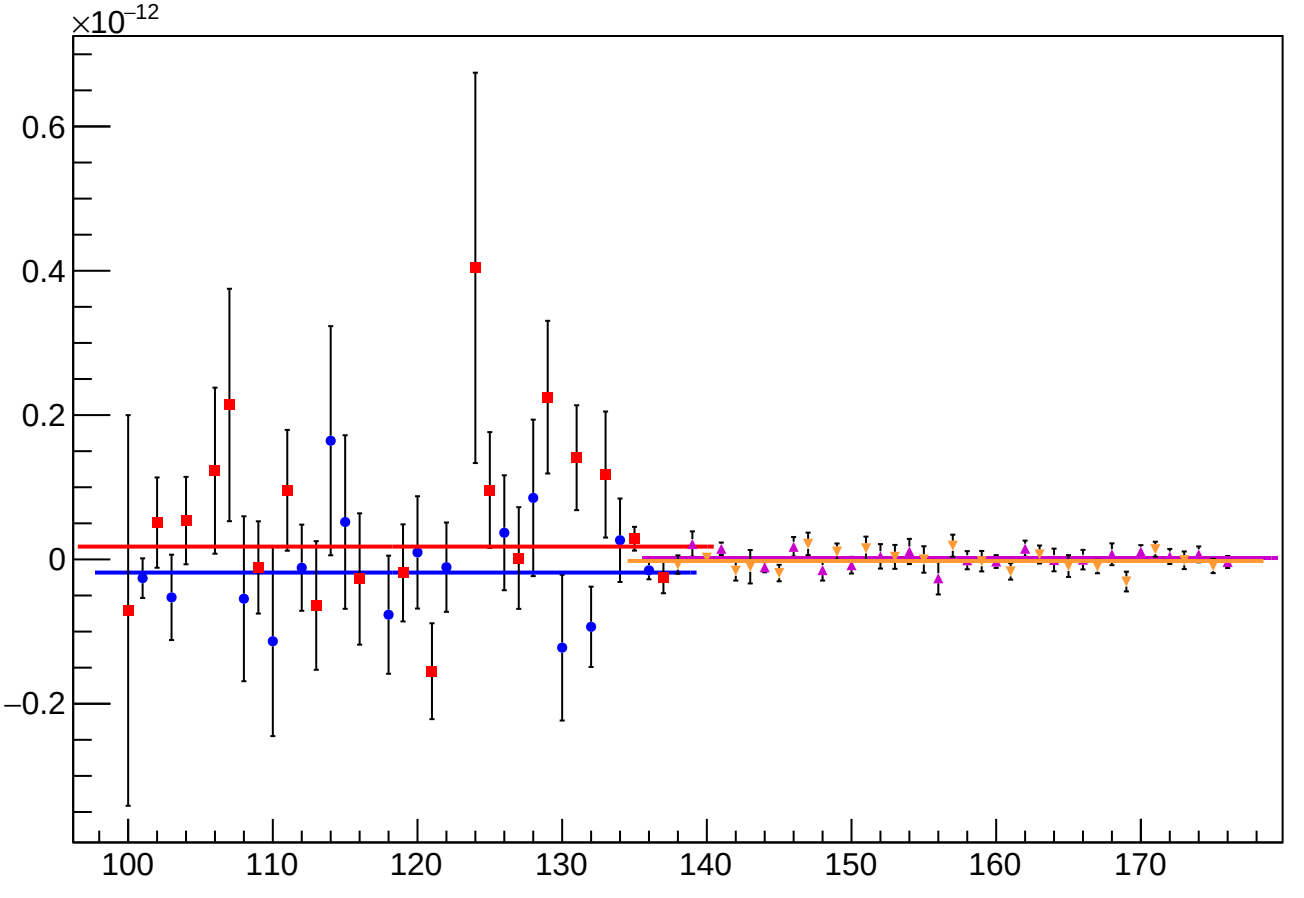
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

+ sign 34.768+/-0.006 χ^2/NDF: 7917364.1/35

All: 34.311+/-0.004 χ^2/NDF: 16933903.8/73

- sign 33.863+/-0.006 χ^2/NDF: 9005421.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/19

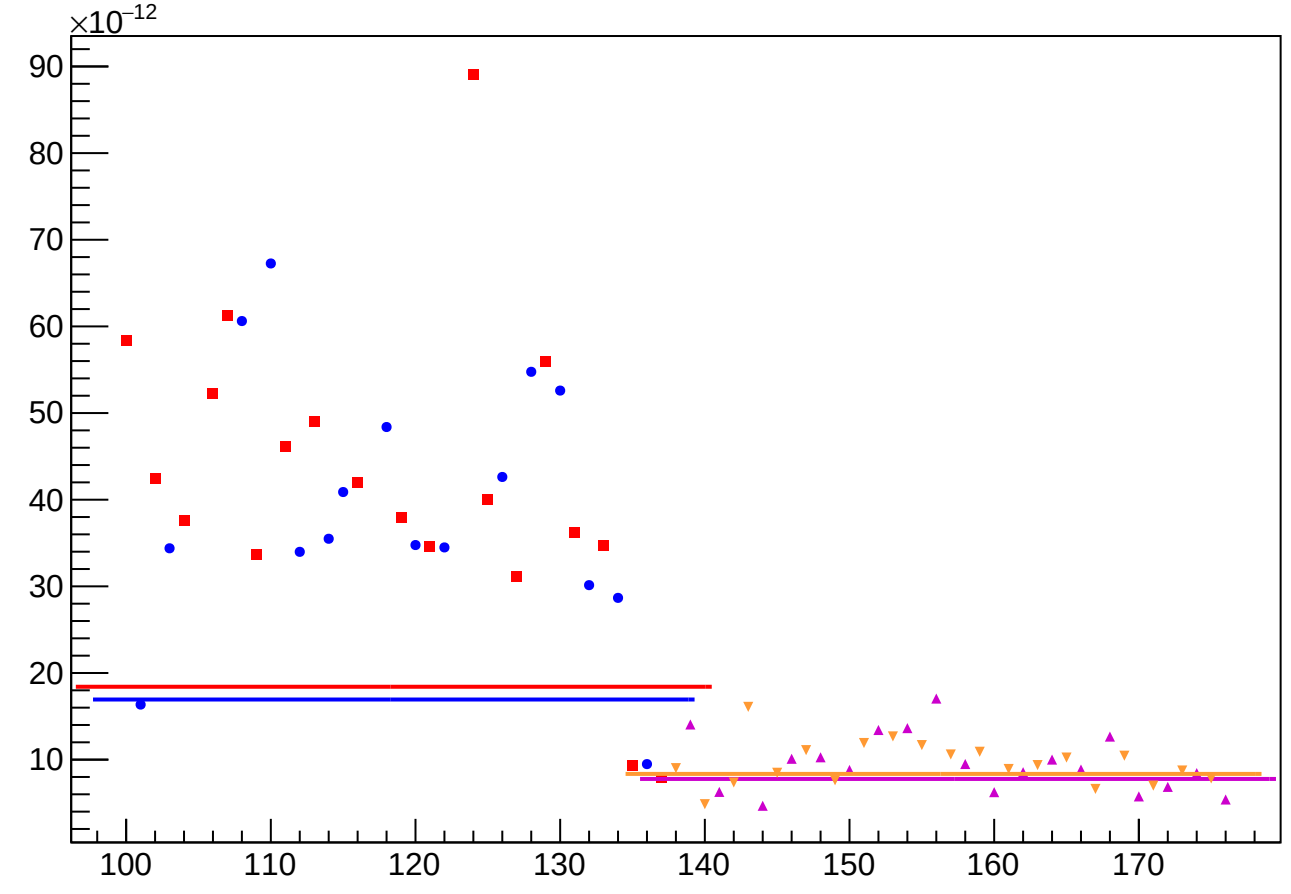
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/18

\+ sign -0.000+/-0.000 χ^2/NDF: 31.8/35

All: -0.000+/-0.000 χ^2/NDF: 79.2/73

\- sign 0.000+/-0.000 χ^2/NDF: 44.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1459012.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

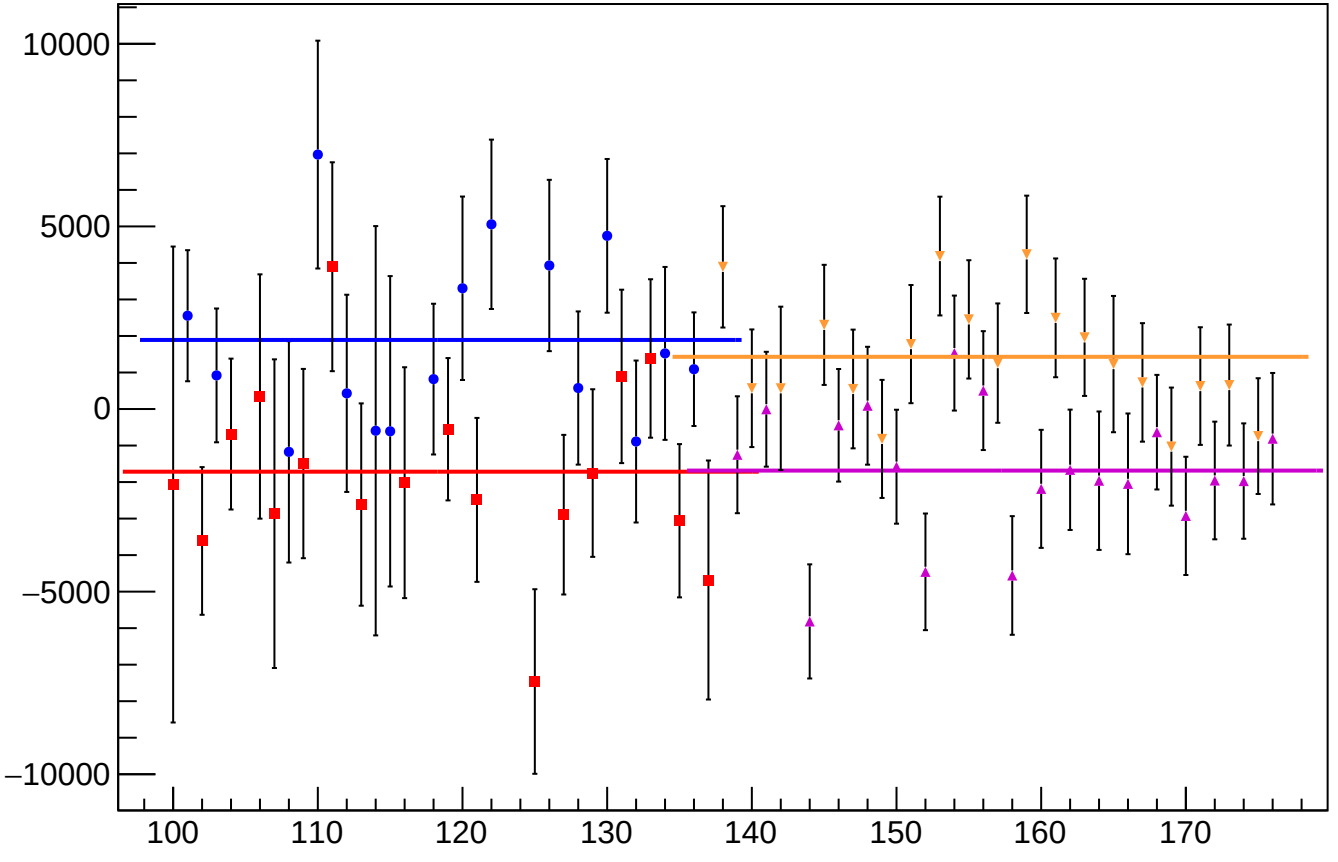
Left In: 0.000+/-0.000 χ^2/NDF:2280603.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 6061861.8/35

All: 0.000+/-0.000 χ^2/NDF: 13831935.2/73

- sign 0.000+/-0.000 χ^2/NDF: 7711484.3/37

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1429.333+/-379.416 χ^2/NDF:16.9/18

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

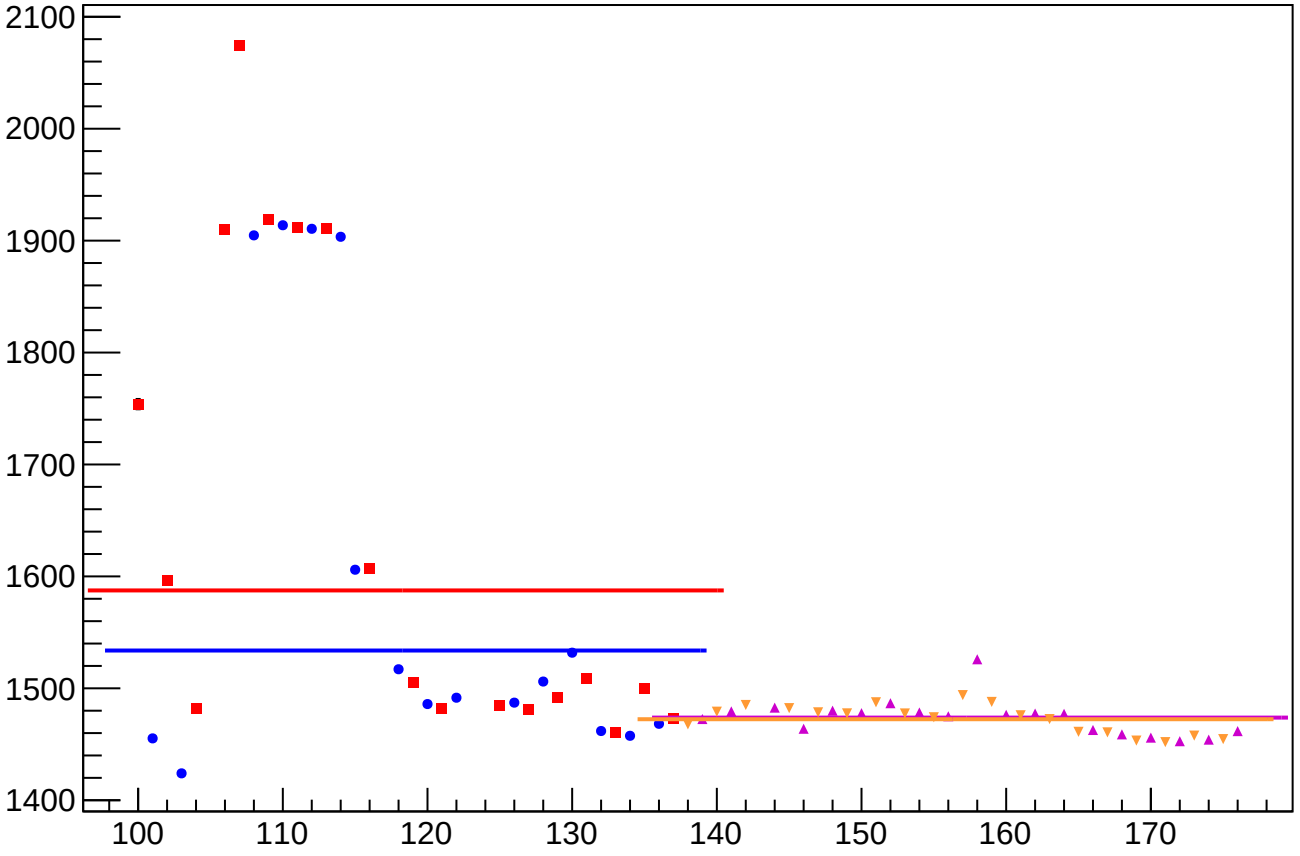
Left In: -1685.666+/-373.868 χ^2/NDF:23.7/18

+ sign 1570.451+/-316.223 χ^2/NDF: 29.6/34

All: -64.501+/-223.428 χ^2/NDF: 122.6/71

- sign -1694.341+/-315.728 χ^2/NDF: 39.6/36

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1472.385+/-0.268 χ^2/NDF:2163.5/18

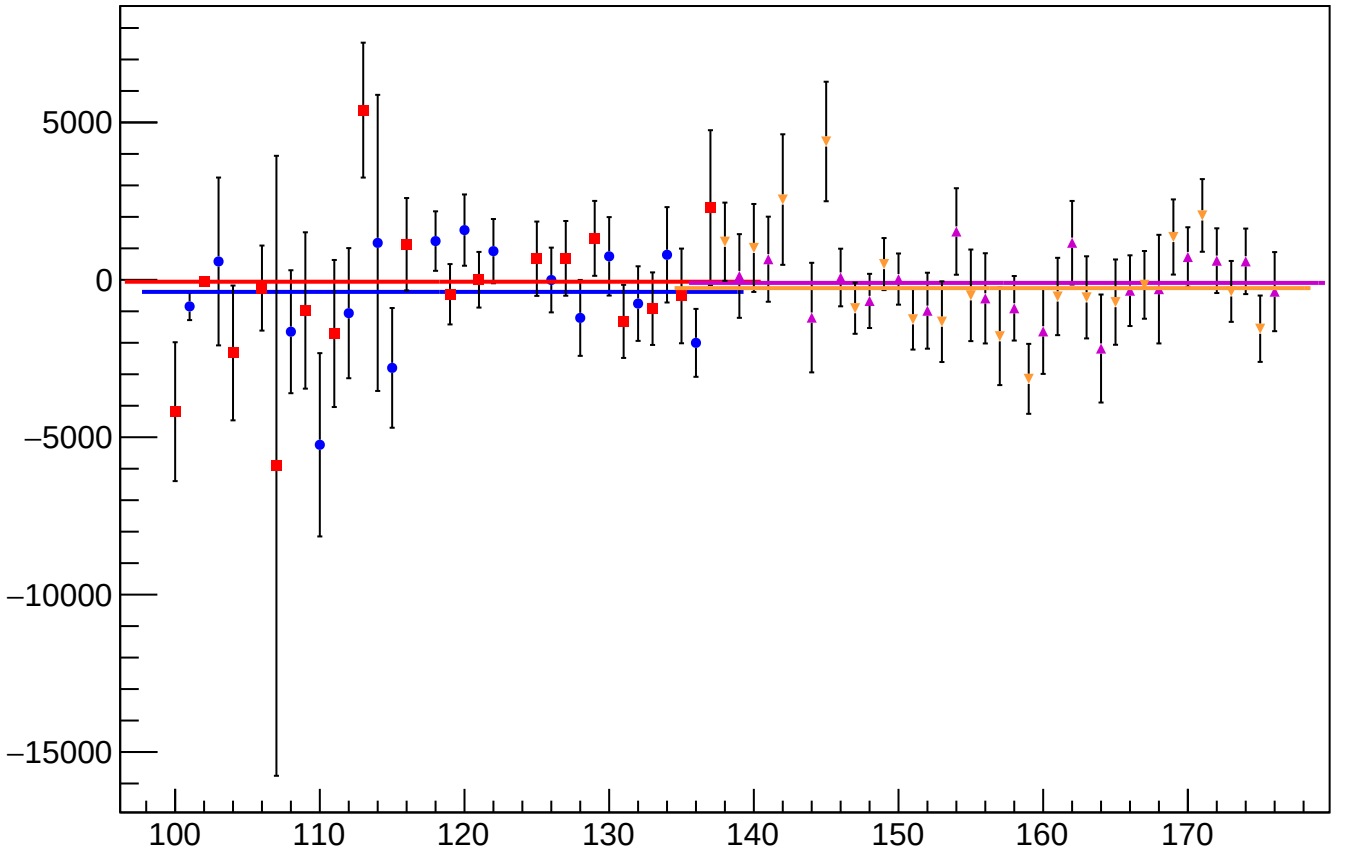
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1473.832+/-0.264 χ^2/NDF:3680.8/18

+ sign 1491.131+/-0.224 χ^2/NDF: 147421.5/34

All: 1498.790+/-0.158 χ^2/NDF: 378424.9/71

- sign 1506.425+/-0.223 χ^2/NDF: 228660.4/36



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -263.155+/-266.151 χ^2/NDF:28.6/18

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

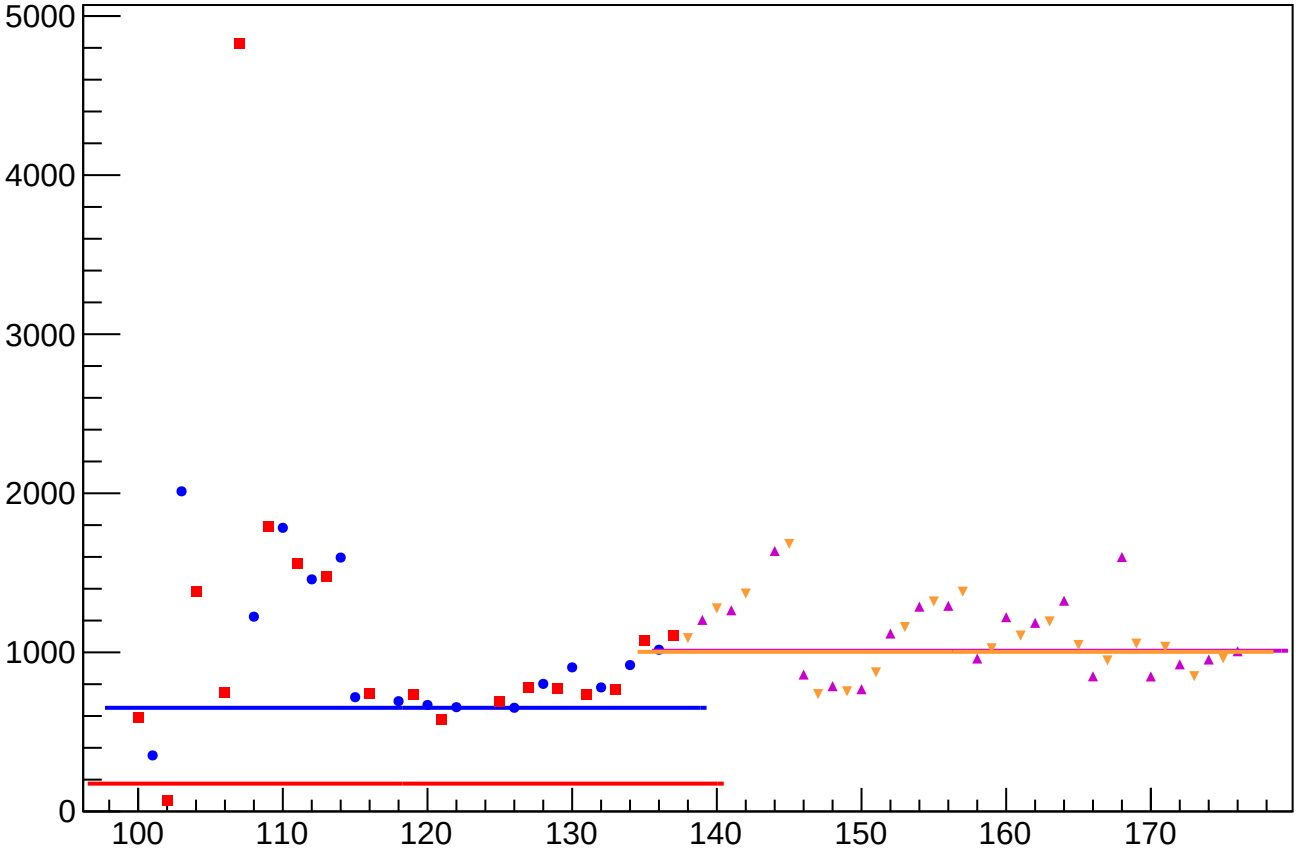
Left In: -97.558+/-263.871 χ^2/NDF:9.4/18

+ sign -321.625+/-190.303 χ^2/NDF: 46.9/34

All: -135.141+/-98.391 χ^2/NDF: 75.4/71

- sign -67.103+/-114.947 χ^2/NDF: 27.2/36

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1003.303+/-0.188 χ^2/NDF:1199937.5/18

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

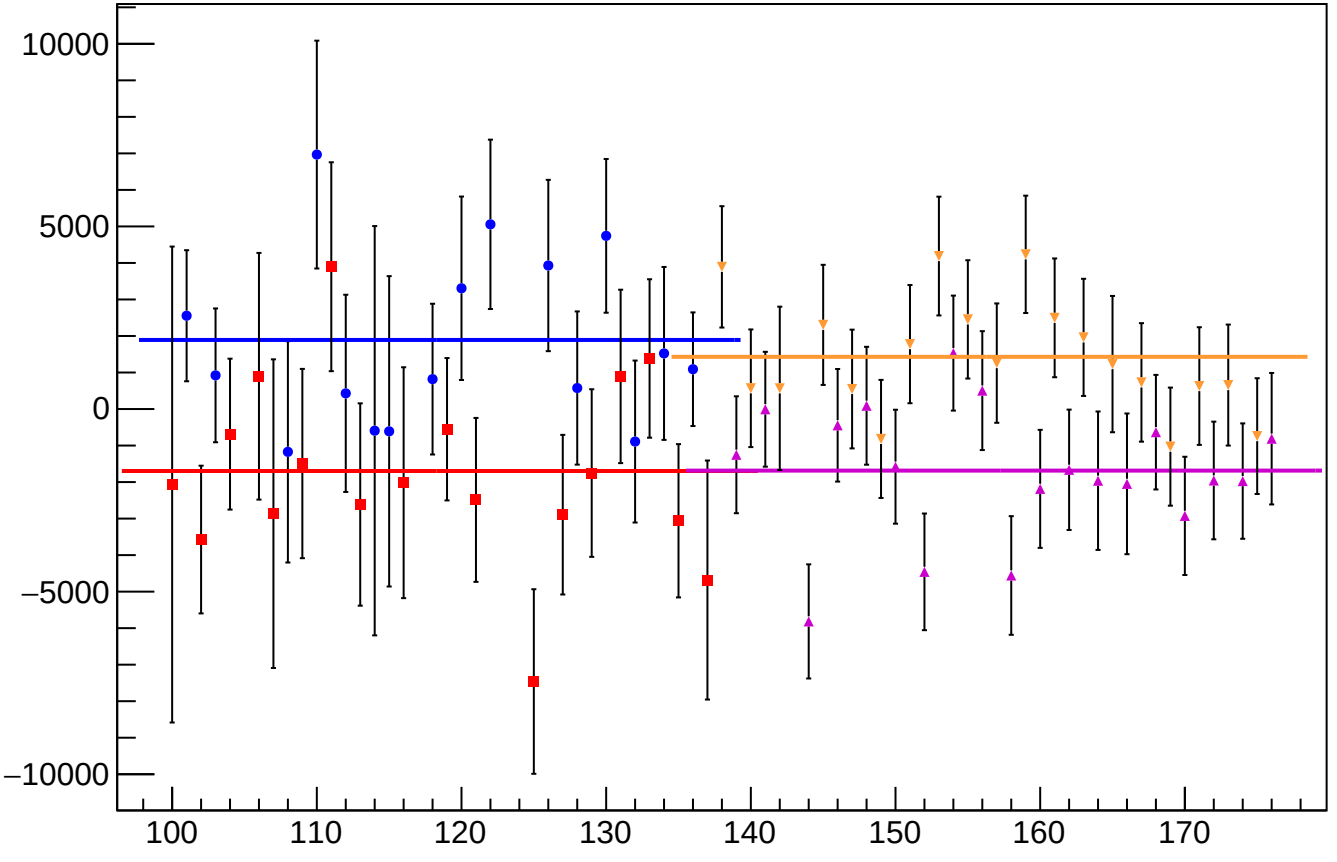
Left In: 1010.350+/-0.187 χ^2/NDF:1420192.0/18

+ sign 831.371+/-0.135 χ^2/NDF: 5670262.4/34

All: 466.543+/-0.070 χ^2/NDF: 43128332.1/71

- sign 333.437+/-0.081 χ^2/NDF: 27425750.3/36

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1429.319+/-379.416 χ^2/NDF:16.9/18

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

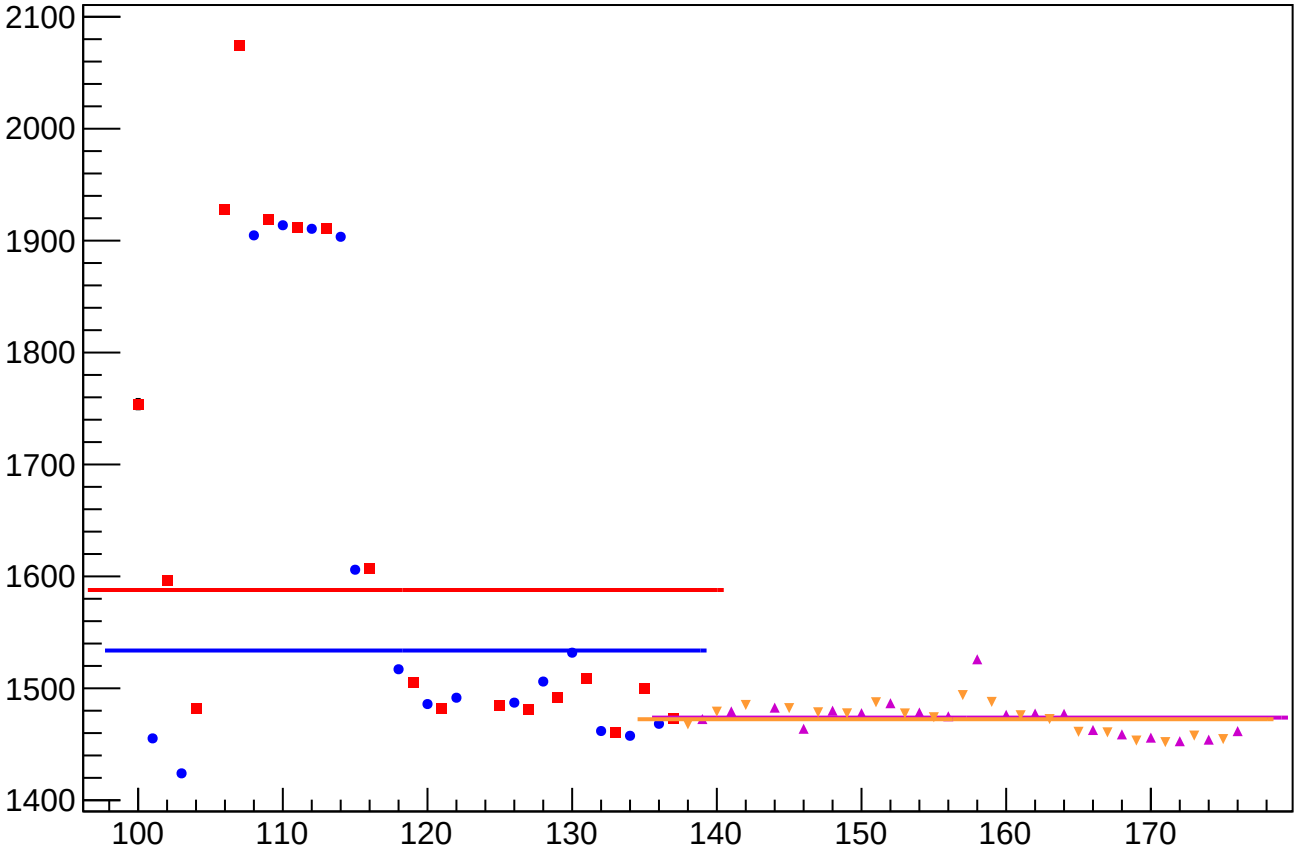
Left In: -1685.742+/-373.868 χ^2/NDF:23.7/18

+ sign 1570.474+/-316.223 χ^2/NDF: 29.6/34

All: -61.654+/-223.438 χ^2/NDF: 122.6/71

- sign -1688.966+/-315.756 χ^2/NDF: 39.8/36

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1472.385+/-0.268 χ^2/NDF:2163.5/18

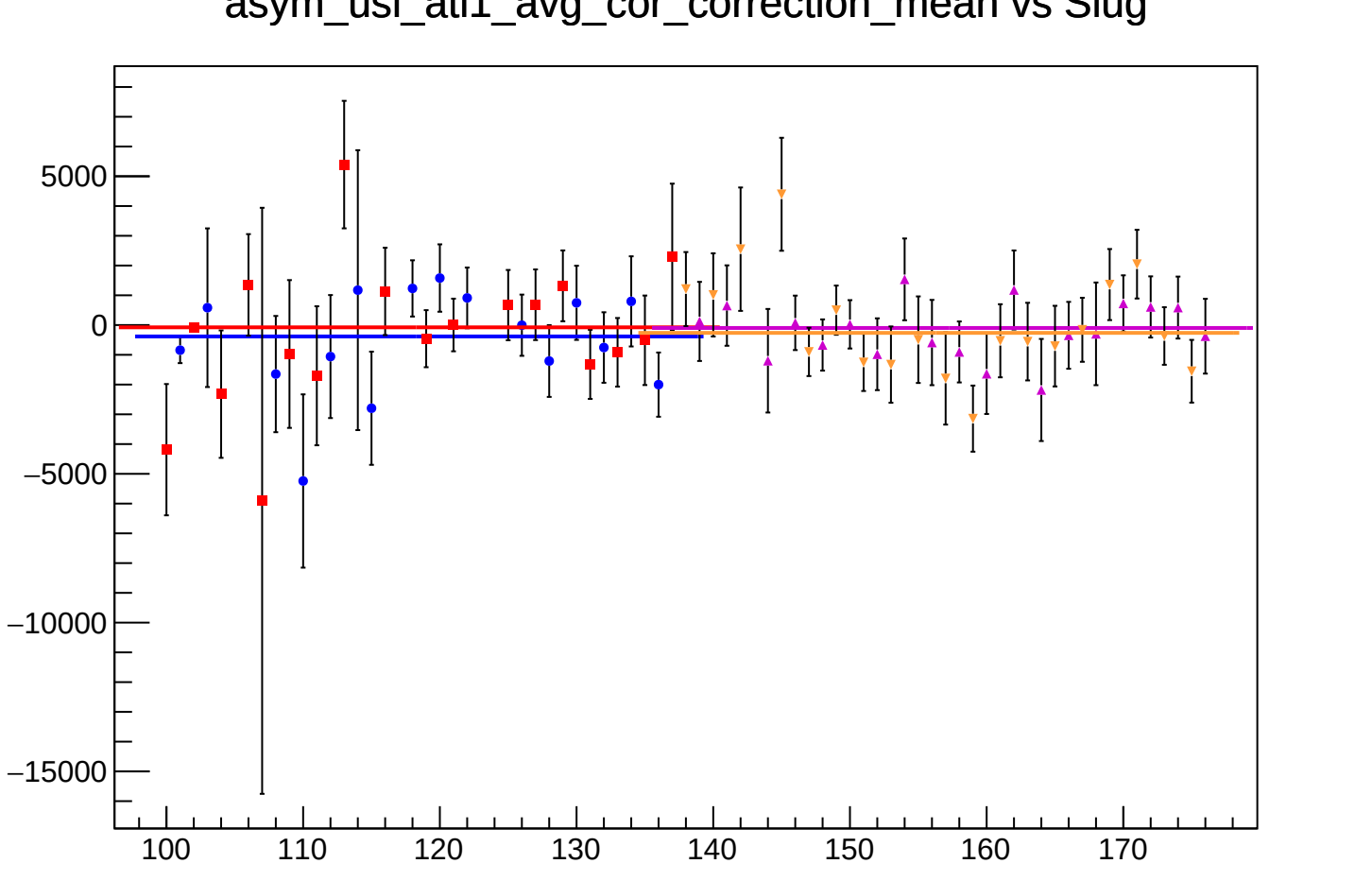
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1473.832+/-0.264 χ^2/NDF:3680.8/18

\+ sign 1491.131+/-0.224 χ^2/NDF: 147421.5/34

All: 1498.837+/-0.158 χ^2/NDF: 380569.0/71

\- sign 1506.521+/-0.223 χ^2/NDF: 230775.3/36



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -263.165+/-266.151 χ^2/NDF:28.6/18

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

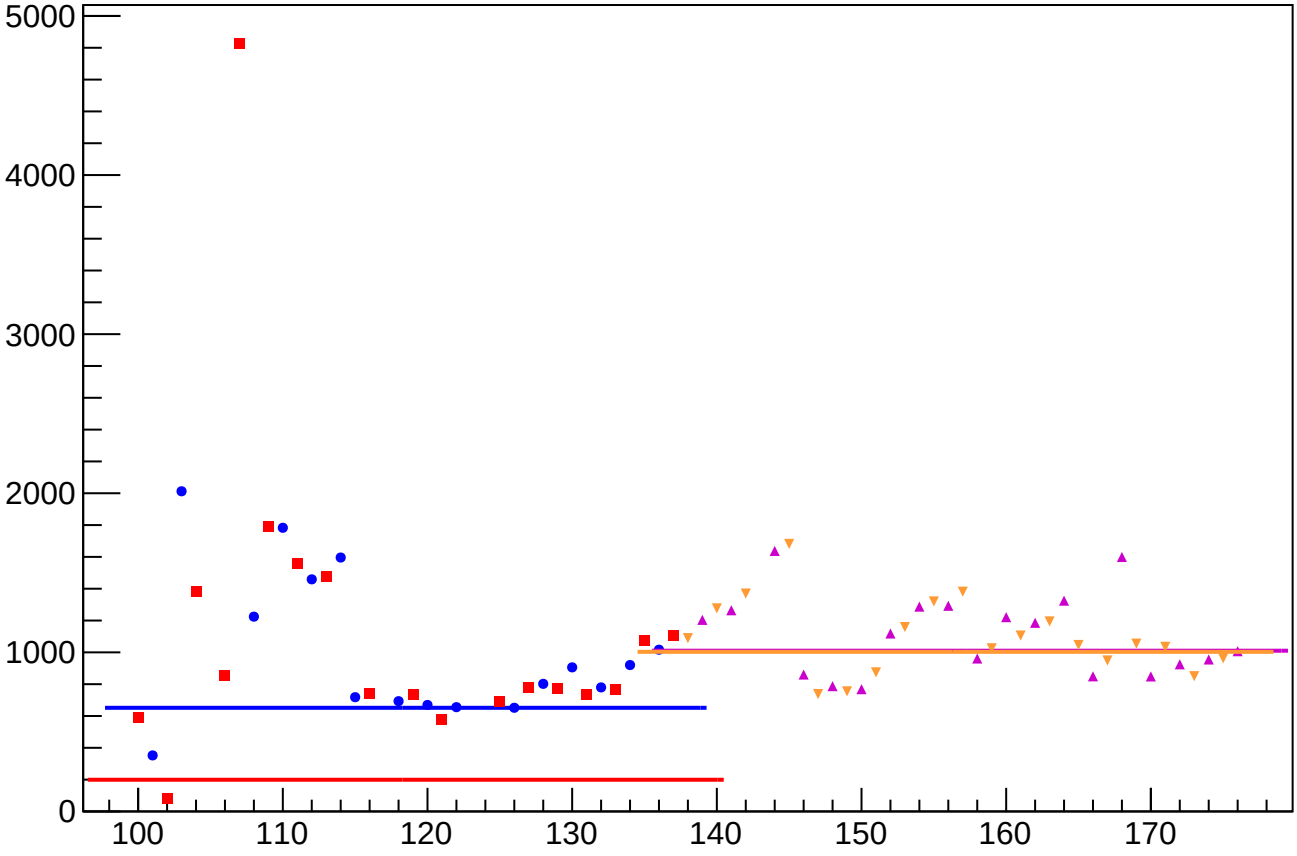
Left In: -97.630+/-263.871 χ^2/NDF:9.4/18

+ sign -321.618+/-190.303 χ^2/NDF: 46.9/34

All: -151.570+/-102.934 χ^2/NDF: 75.9/71

- sign -81.244+/-122.382 χ^2/NDF: 27.9/36

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1003.306+/-0.188 χ^2/NDF:1199954.0/18

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

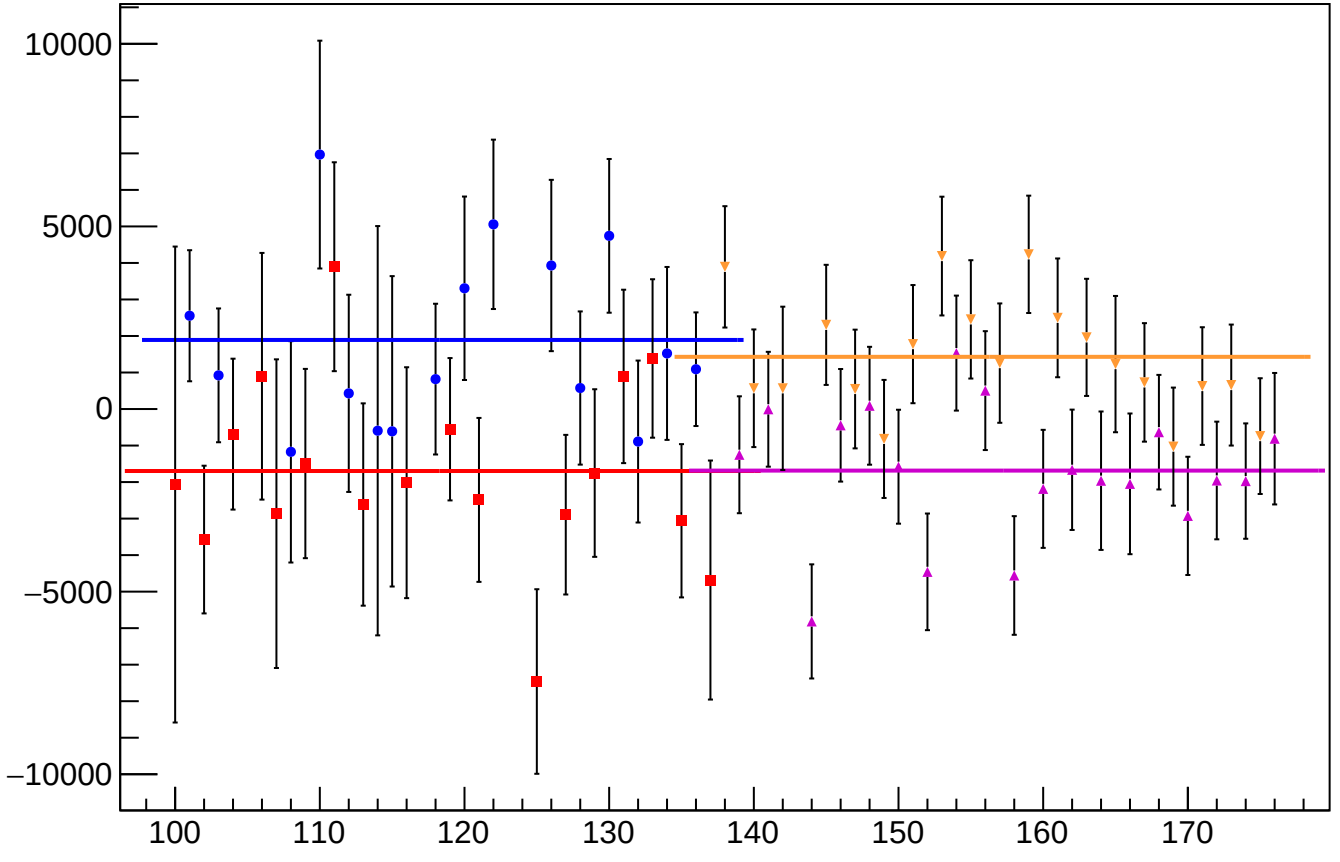
Left In: 1010.350+/-0.187 χ^2/NDF:1420282.6/18

+ sign 831.371+/-0.135 χ^2/NDF: 5670341.1/34

All: 507.667+/-0.073 χ^2/NDF: 39384233.1/71

- sign 373.795+/-0.087 χ^2/NDF: 25533922.5/36

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1429.319+/-379.416 χ^2/NDF:16.9/18

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

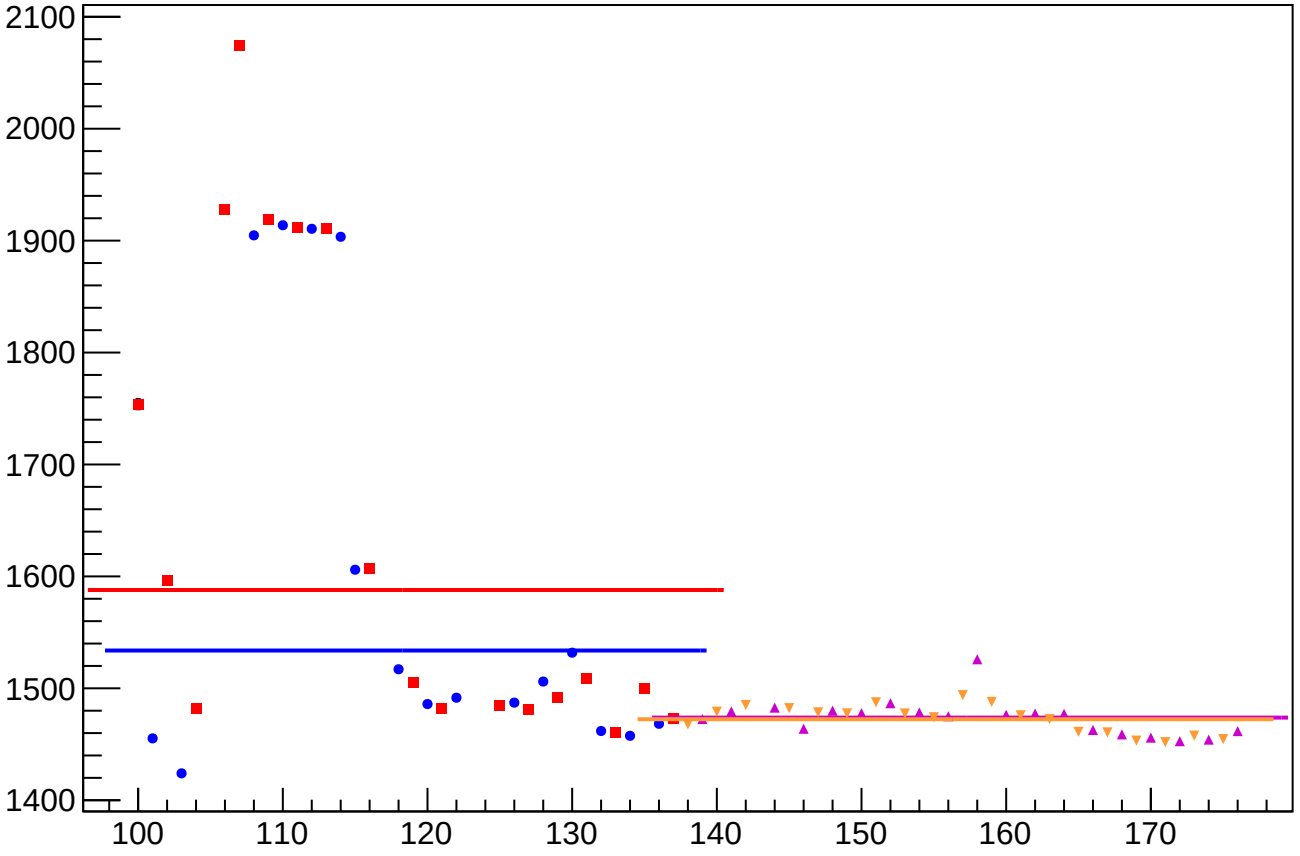
Left In: -1685.742+/-373.868 χ^2/NDF:23.7/18

+ sign 1570.474+/-316.223 χ^2/NDF: 29.6/34

All: -61.654+/-223.438 χ^2/NDF: 122.6/71

- sign -1688.966+/-315.756 χ^2/NDF: 39.8/36

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1472.385+/-0.268 χ^2/NDF:2163.5/18

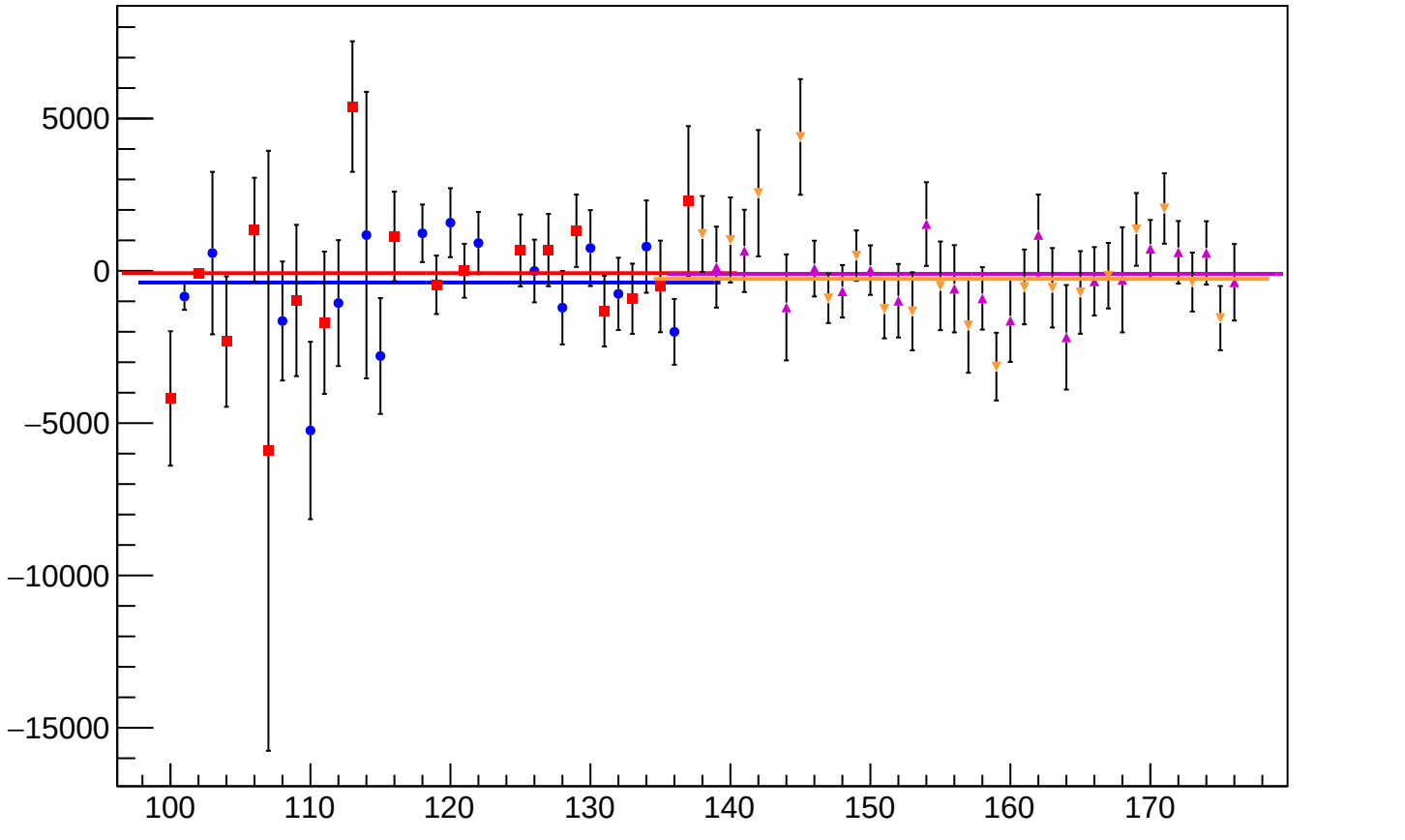
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1473.832+/-0.264 χ^2/NDF:3680.8/18

+ sign 1491.131+/-0.224 χ^2/NDF: 147421.5/34

All: 1498.837+/-0.158 χ^2/NDF: 380569.0/71

- sign 1506.521+/-0.223 χ^2/NDF: 230775.3/36



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -263.165+/-266.151 χ^2/NDF:28.6/18

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

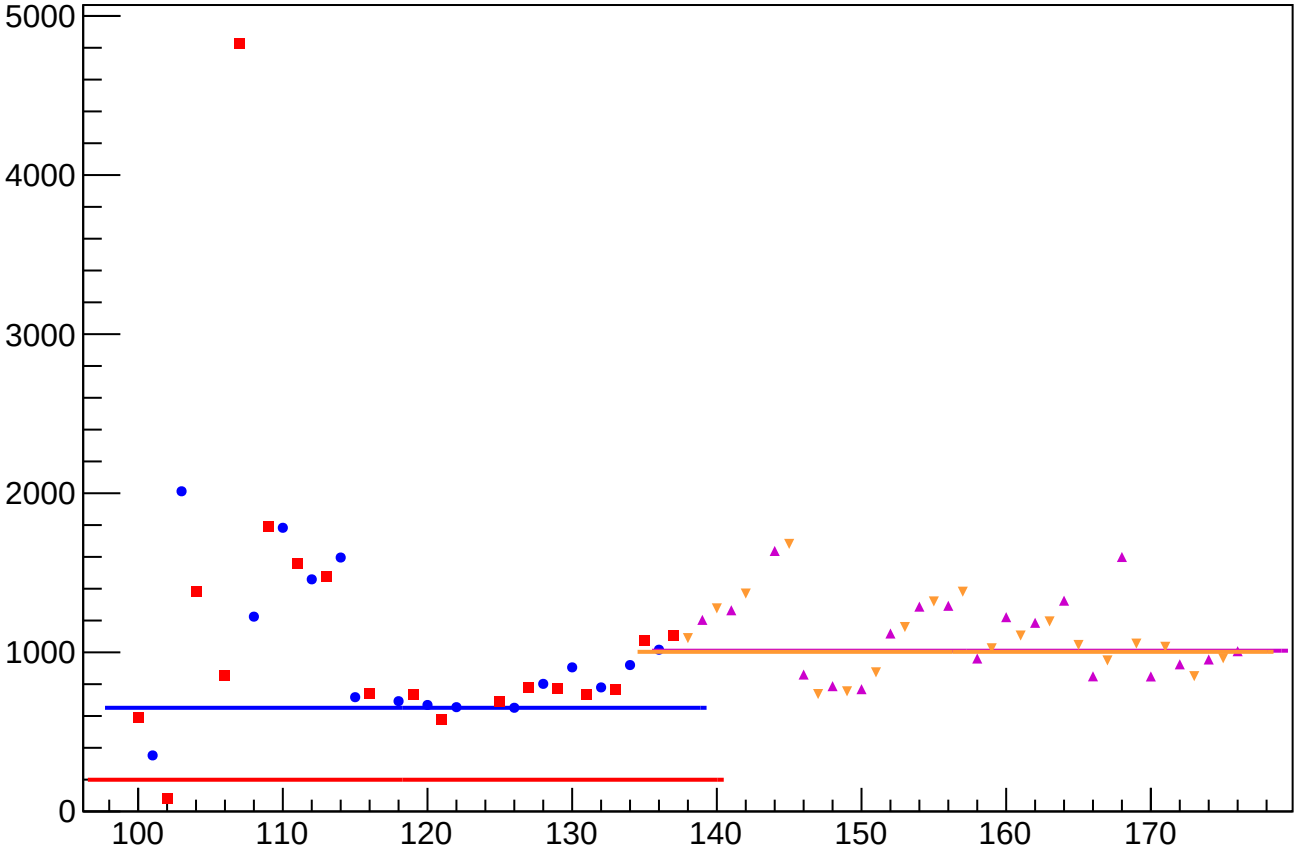
Left In: -97.630+/-263.871 χ^2/NDF:9.4/18

+ sign -321.618+/-190.303 χ^2/NDF: 46.9/34

All: -151.570+/-102.934 χ^2/NDF: 75.9/71

- sign -81.244+/-122.382 χ^2/NDF: 27.9/36

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1003.306+/-0.188 χ^2/NDF:1199954.0/18

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

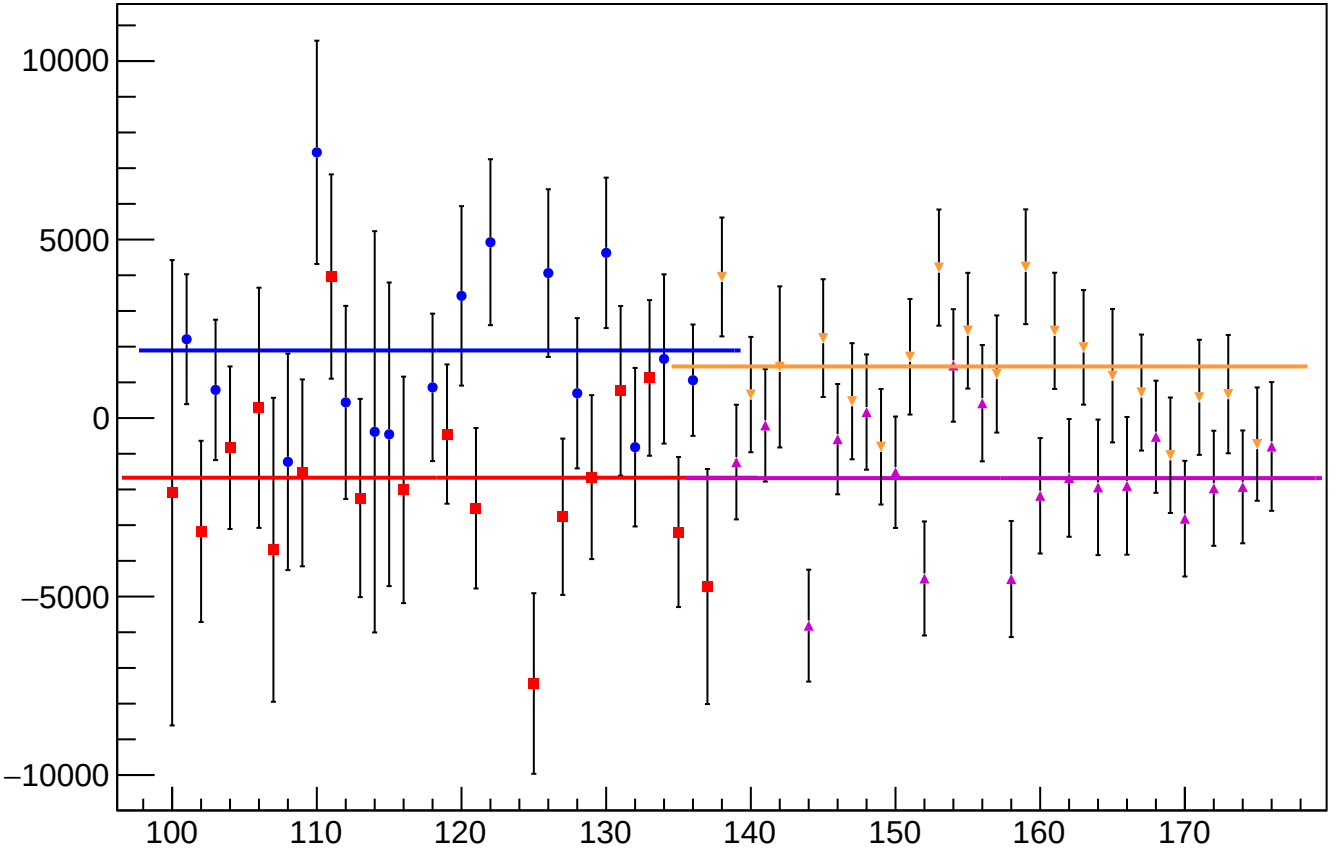
Left In: 1010.350+/-0.187 χ^2/NDF:1420282.6/18

+ sign 831.371+/-0.135 χ^2/NDF: 5670341.1/34

All: 507.667+/-0.073 χ^2/NDF: 39384233.1/71

- sign 373.795+/-0.087 χ^2/NDF: 25533922.5/36

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1445.717+/-380.049 χ^2/NDF:16.8/18

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

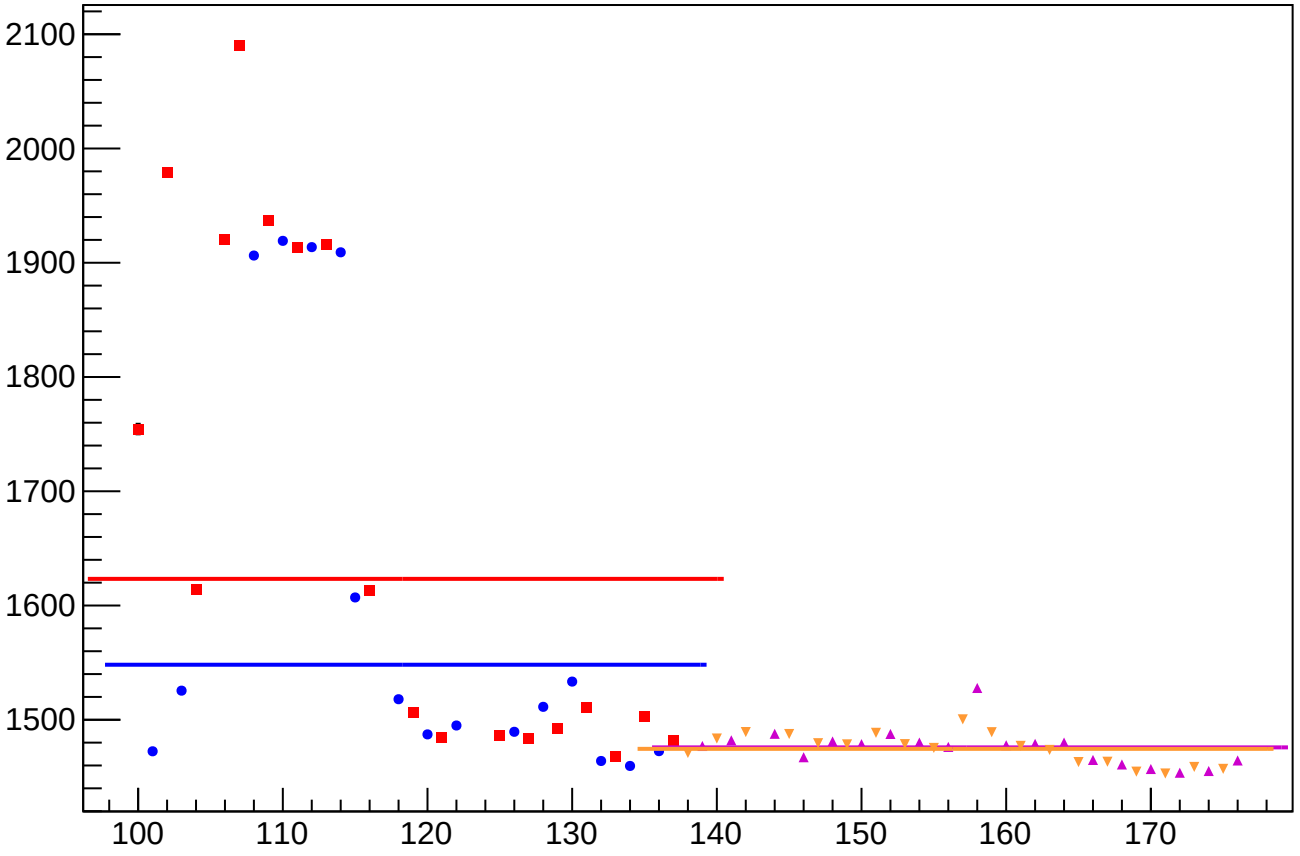
Left In: -1682.297+/-374.382 χ^2/NDF:23.0/18

+ sign 1581.199+/-317.492 χ^2/NDF: 29.5/34

All: -44.658+/-224.798 χ^2/NDF: 120.1/71

- sign -1679.149+/-318.334 χ^2/NDF: 38.0/36

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1474.555+/-0.269 χ^2/NDF:2400.0/18

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

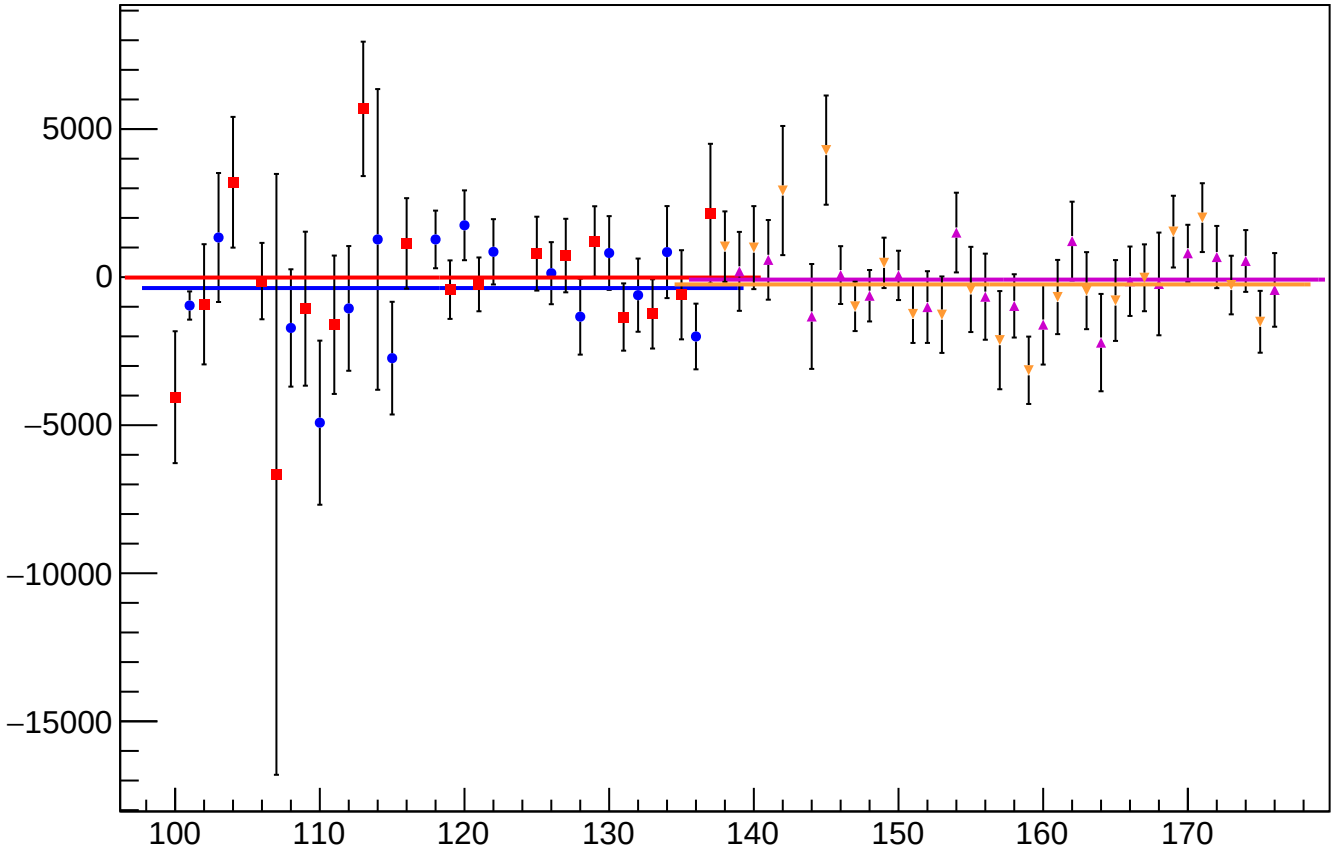
Left In: 1475.841+/-0.265 χ^2/NDF:3744.8/18

+ sign 1496.796+/-0.225 χ^2/NDF: 144977.8/34

All: 1506.720+/-0.159 χ^2/NDF: 450157.7/71

- sign 1516.696+/-0.225 χ^2/NDF: 301261.6/36

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -245.755+/-270.062 χ^2/NDF:28.8/18

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

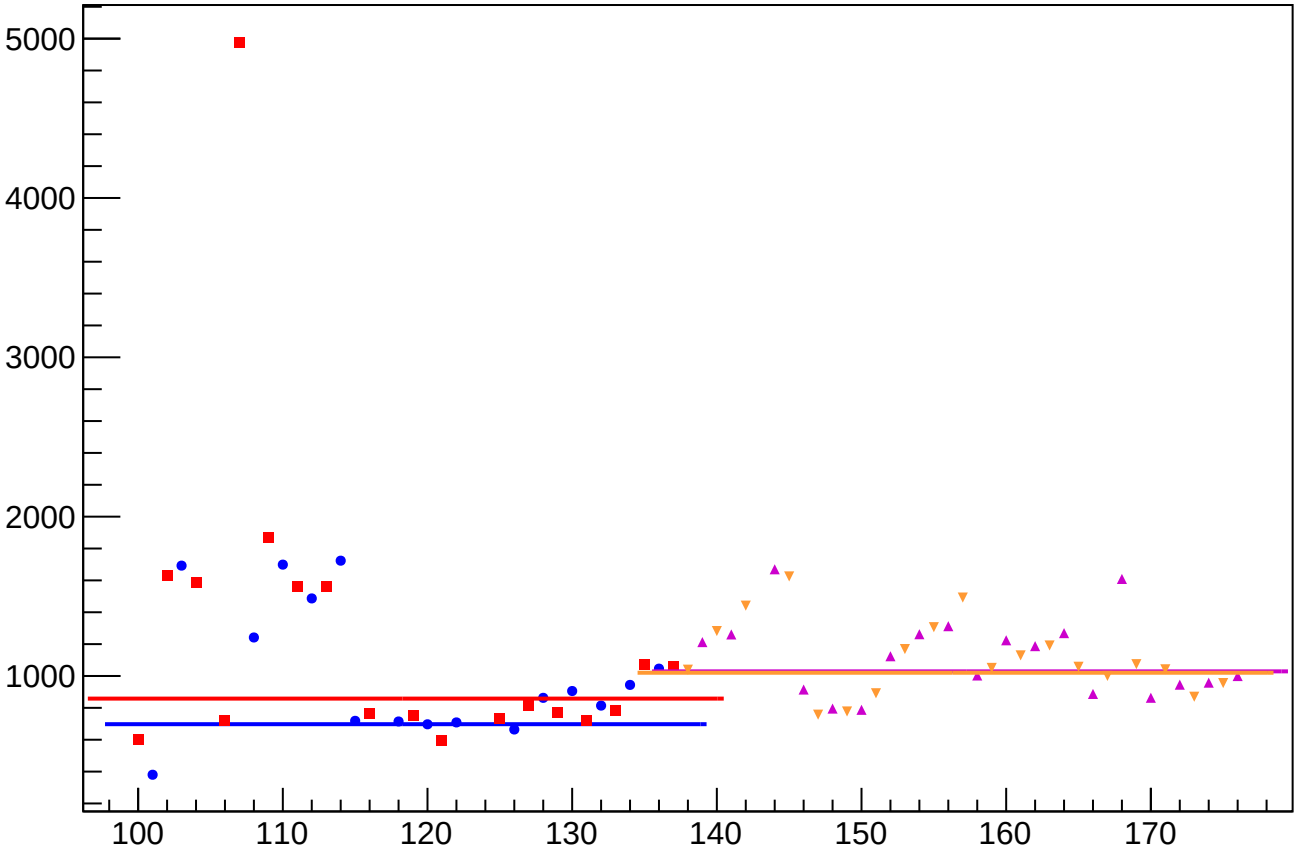
Left In: -83.045+/-267.903 χ^2/NDF:9.8/18

+ sign -303.587+/-196.542 χ^2/NDF: 47.8/34

All: -188.748+/-143.752 χ^2/NDF: 77.4/71

- sign -56.645+/-210.798 χ^2/NDF: 28.9/36

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1020.404+/-0.191 χ^2/NDF:1136306.1/18

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

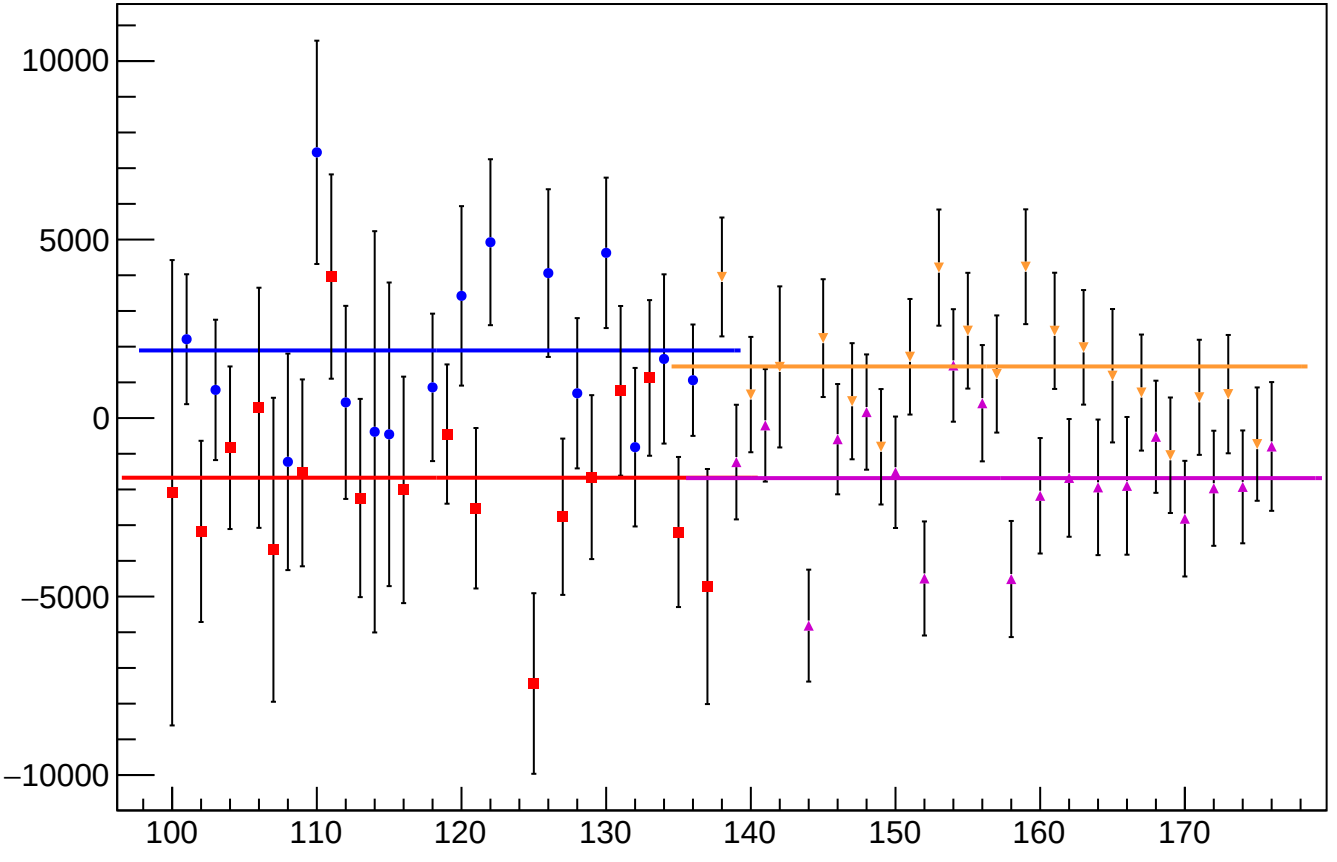
Left In: 1029.033+/-0.189 χ^2/NDF:1296261.2/18

+ sign 868.531+/-0.139 χ^2/NDF: 4916635.4/34

All: 912.895+/-0.102 χ^2/NDF: 8624296.1/71

- sign 963.928+/-0.149 χ^2/NDF: 3488544.3/36

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1445.715+/-380.049 χ^2/NDF:16.8/18

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

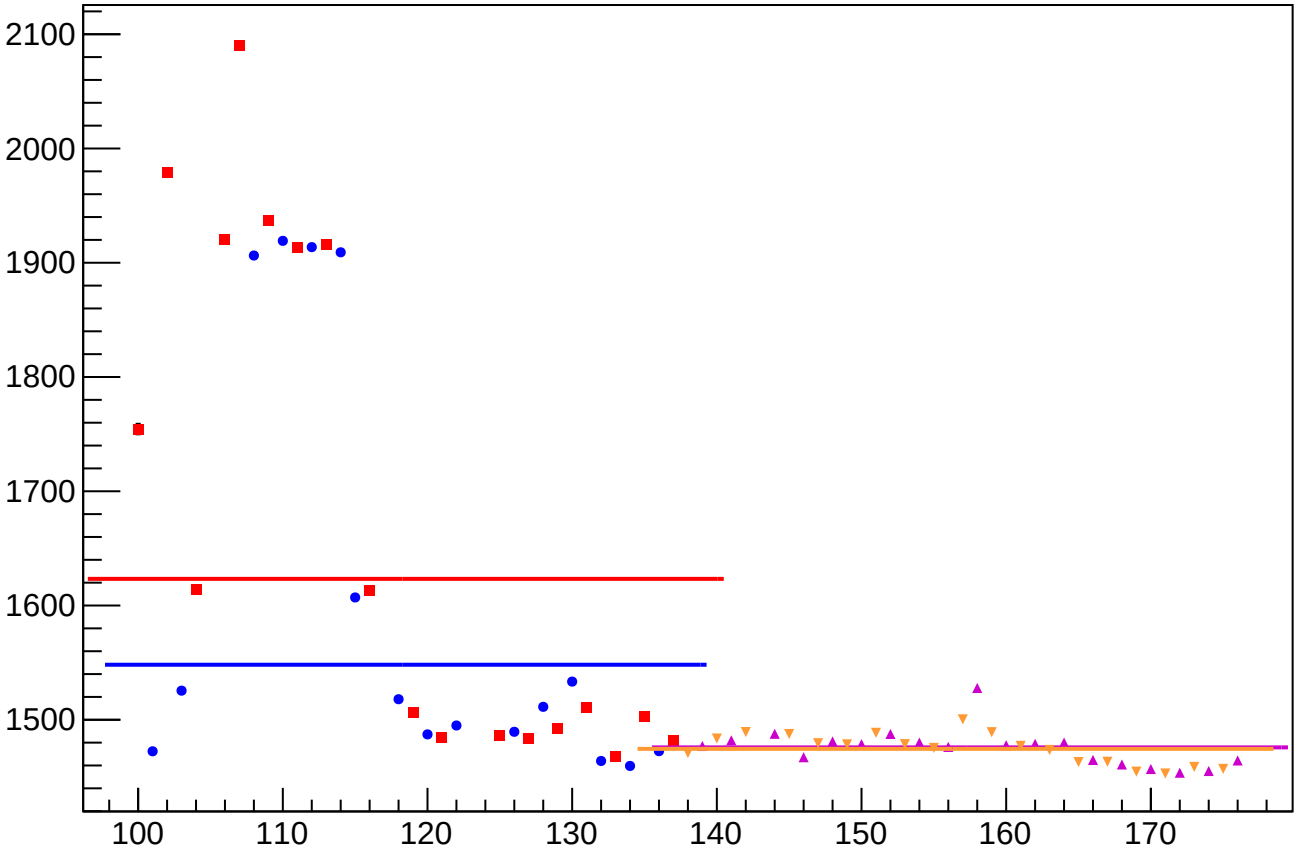
Left In: -1682.298+/-374.382 χ^2/NDF:23.0/18

+ sign 1581.197+/-317.492 χ^2/NDF: 29.5/34

All: -44.659+/-224.798 χ^2/NDF: 120.1/71

- sign -1679.149+/-318.334 χ^2/NDF: 38.0/36

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1474.555+/-0.269 χ^2/NDF:2400.0/18

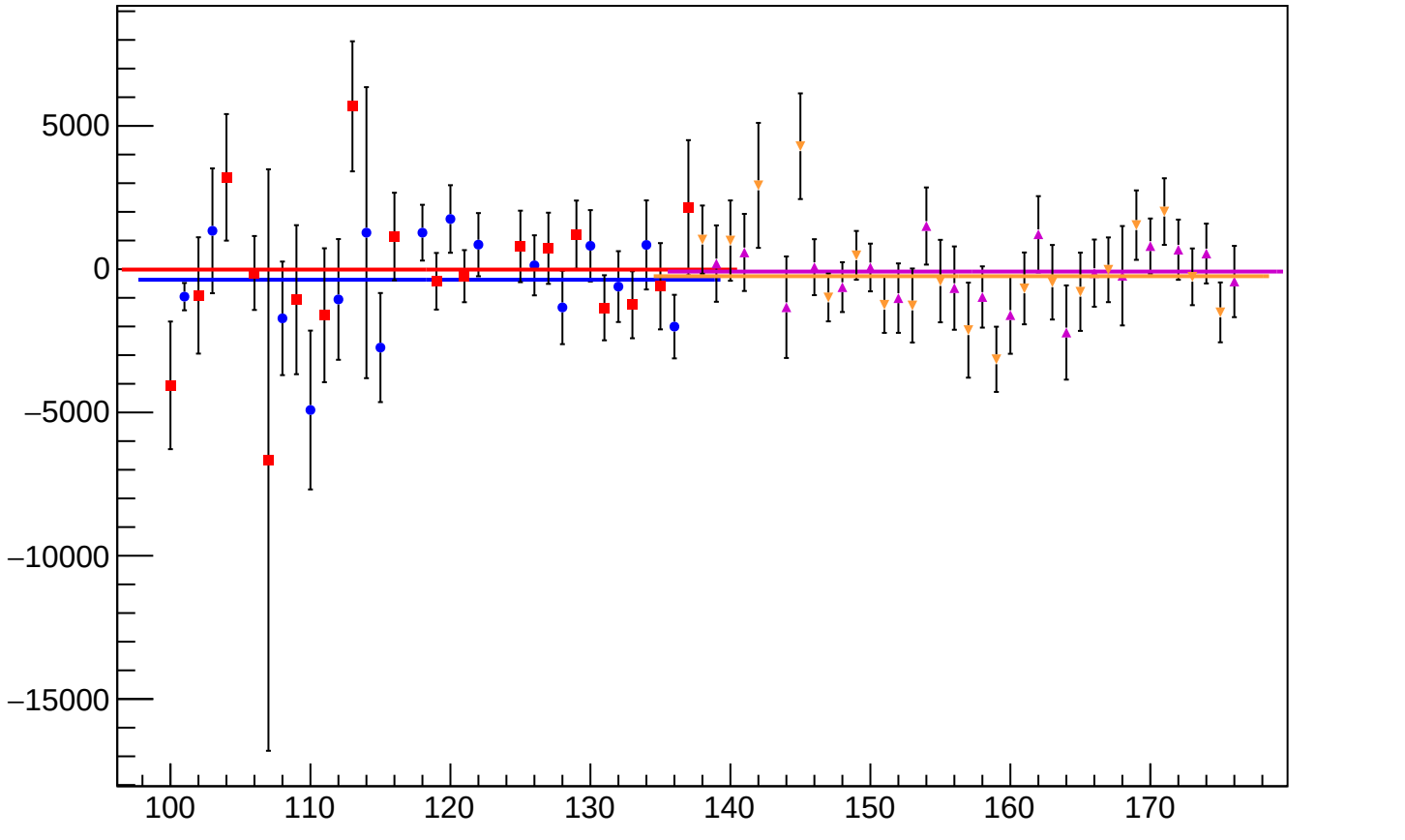
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1475.841+/-0.265 χ^2/NDF:3744.8/18

+ sign 1496.796+/-0.225 χ^2/NDF: 144977.7/34

All: 1506.720+/-0.159 χ^2/NDF: 450157.2/71

- sign 1516.696+/-0.225 χ^2/NDF: 301261.1/36



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -245.758+/-270.063 χ^2/NDF:28.8/18

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

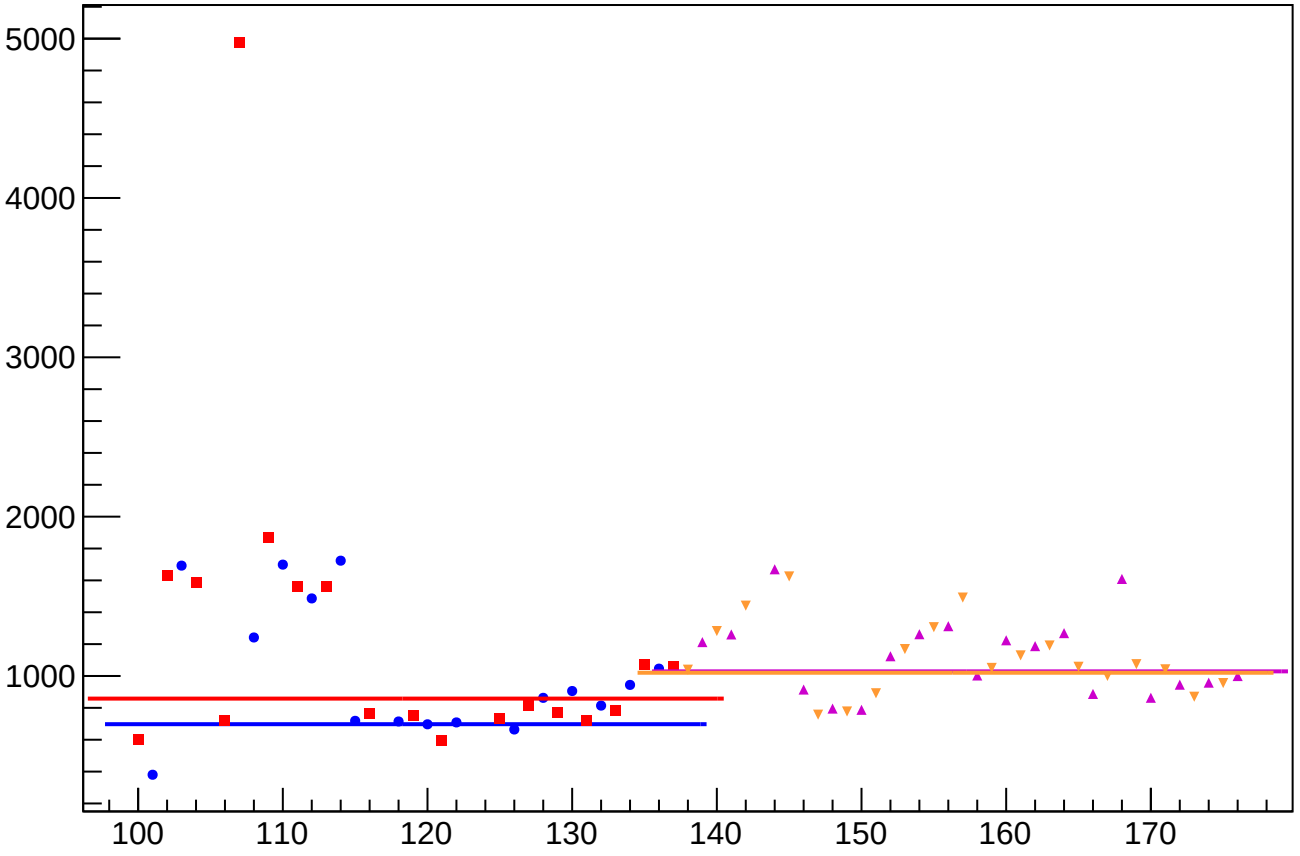
Left In: -83.045+/-267.903 χ^2/NDF:9.8/18

+ sign -303.588+/-196.542 χ^2/NDF: 47.8/34

All: -188.749+/-143.752 χ^2/NDF: 77.4/71

- sign -56.645+/-210.799 χ^2/NDF: 28.9/36

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1020.406+/-0.191 χ^2/NDF:1136304.4/18

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

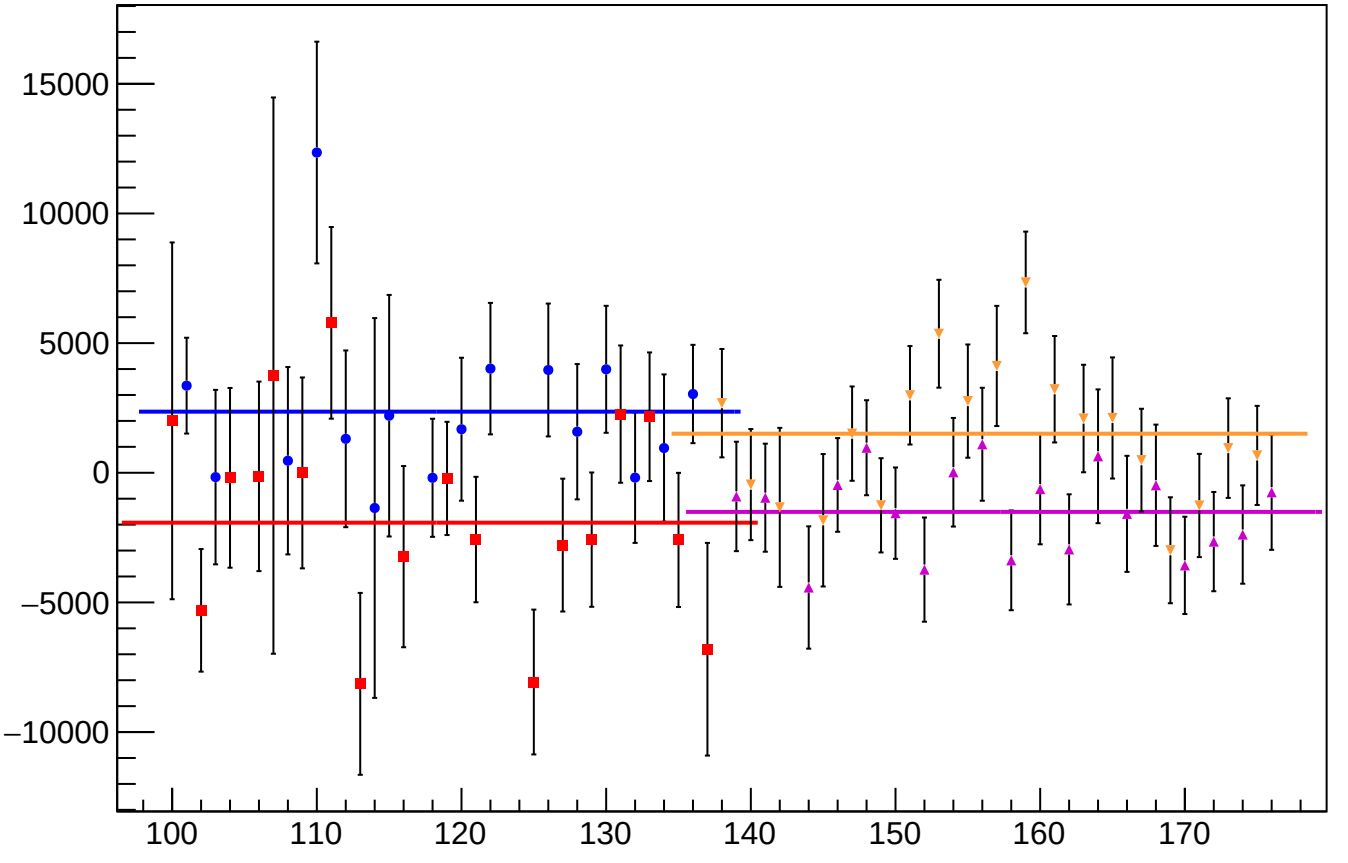
Left In: 1029.034+/-0.189 χ^2/NDF:1296257.6/18

+ sign 868.532+/-0.139 χ^2/NDF: 4916637.5/34

All: 912.895+/-0.102 χ^2/NDF: 8624313.9/71

- sign 963.928+/-0.149 χ^2/NDF: 3488562.3/36

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1507.292+/-475.587 χ^2/NDF:28.7/18

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

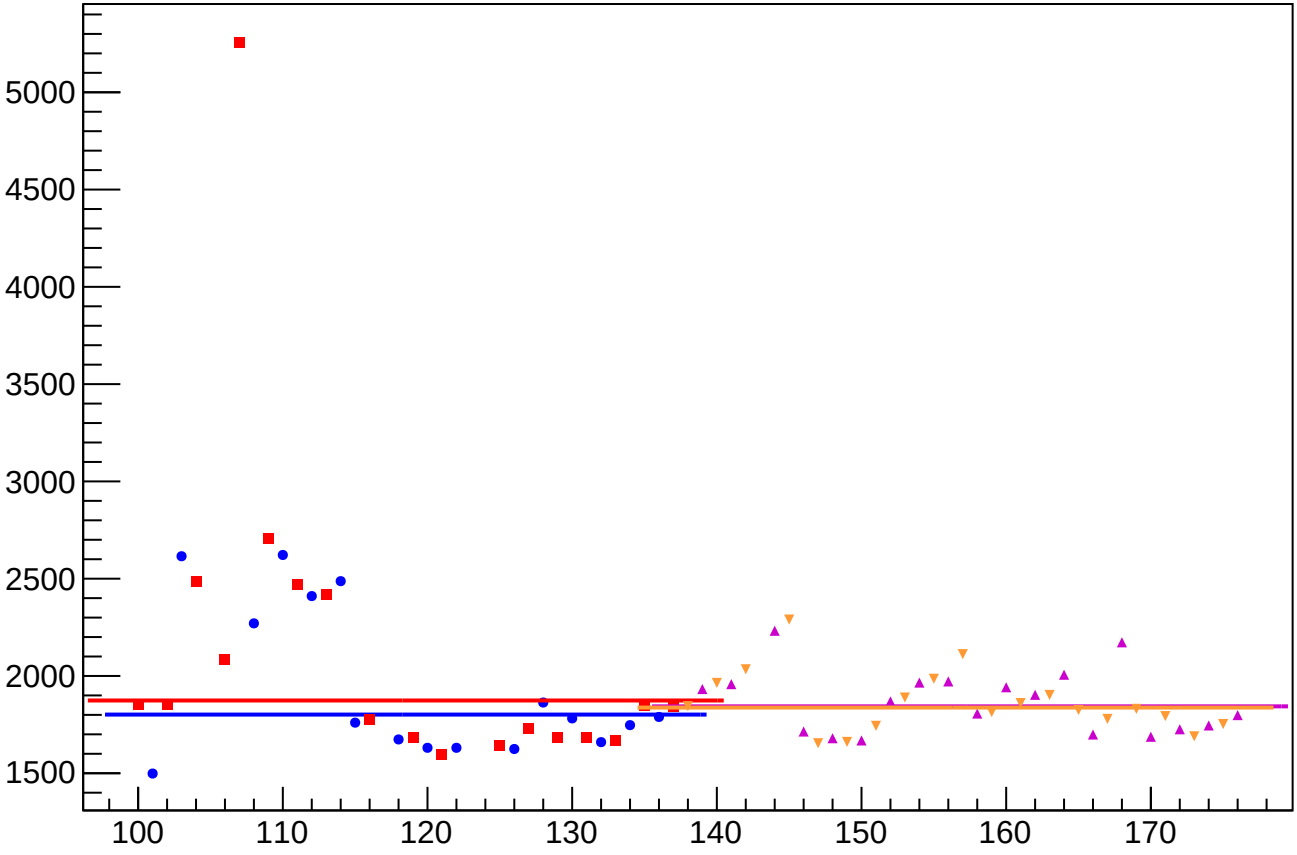
Left In: -1509.133+/-469.795 χ^2/NDF:11.4/18

+ sign 1786.983+/-389.528 χ^2/NDF: 40.8/34

All: 82.802+/-276.046 χ^2/NDF: 114.3/71

- sign -1636.508+/-391.253 χ^2/NDF: 35.1/36

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1837.626+/-0.336 χ^2/NDF:181584.5/18

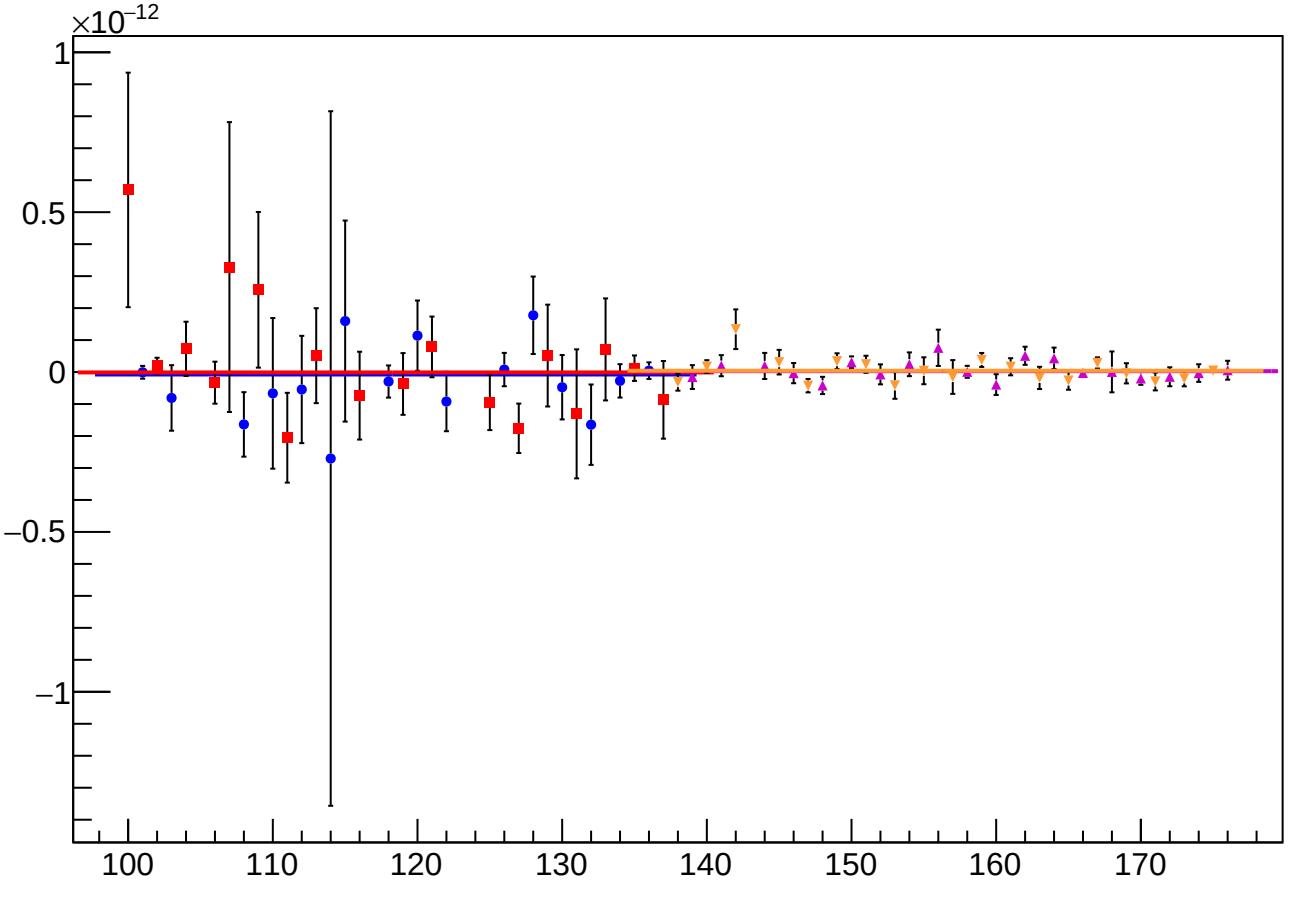
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1843.827+/-0.332 χ^2/NDF:214047.9/18

+ sign 1825.744+/-0.275 χ^2/NDF: 586079.5/34

All: 1839.344+/-0.195 χ^2/NDF: 1377458.1/71

- sign 1853.065+/-0.277 χ^2/NDF: 786480.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/18

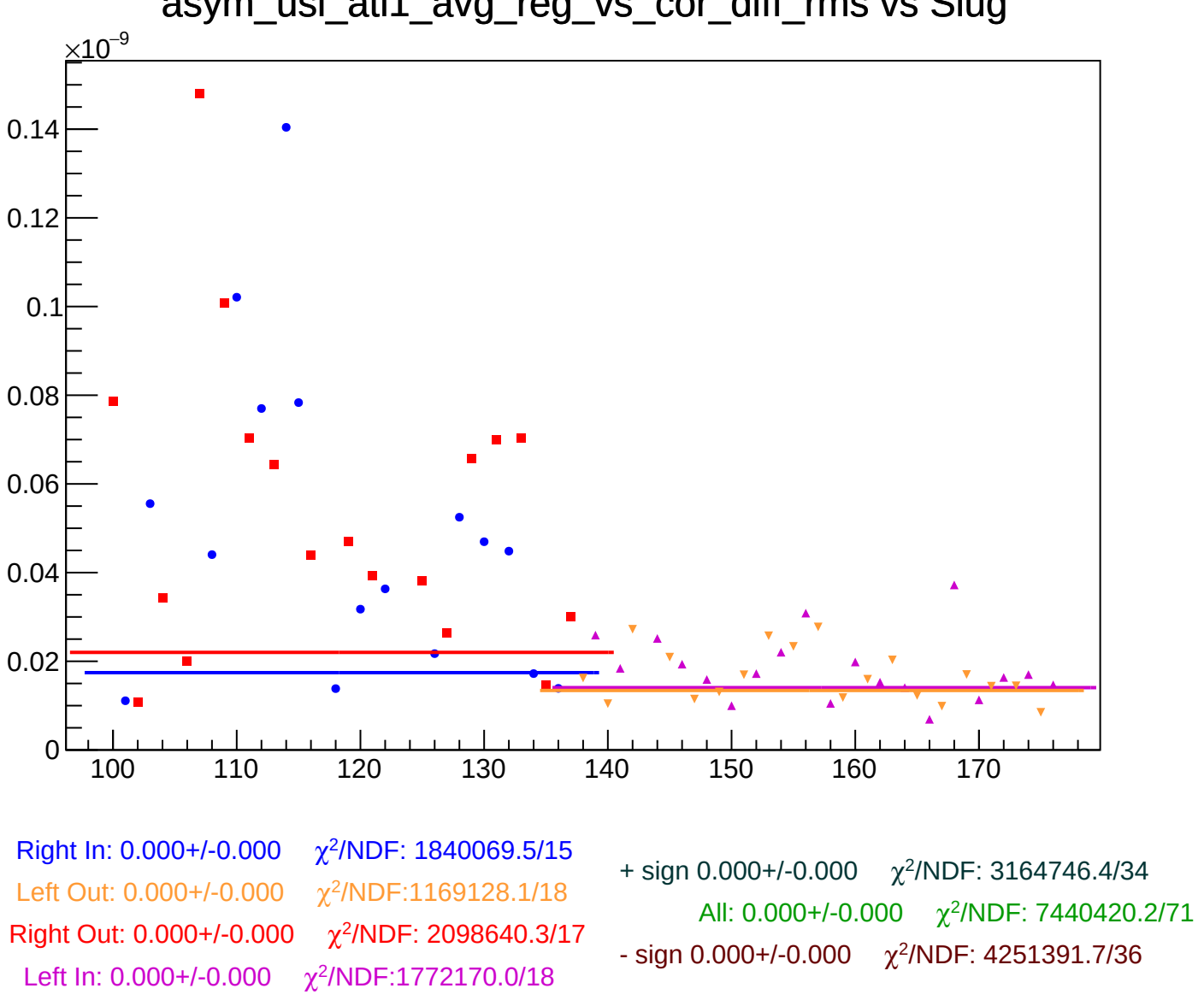
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/18

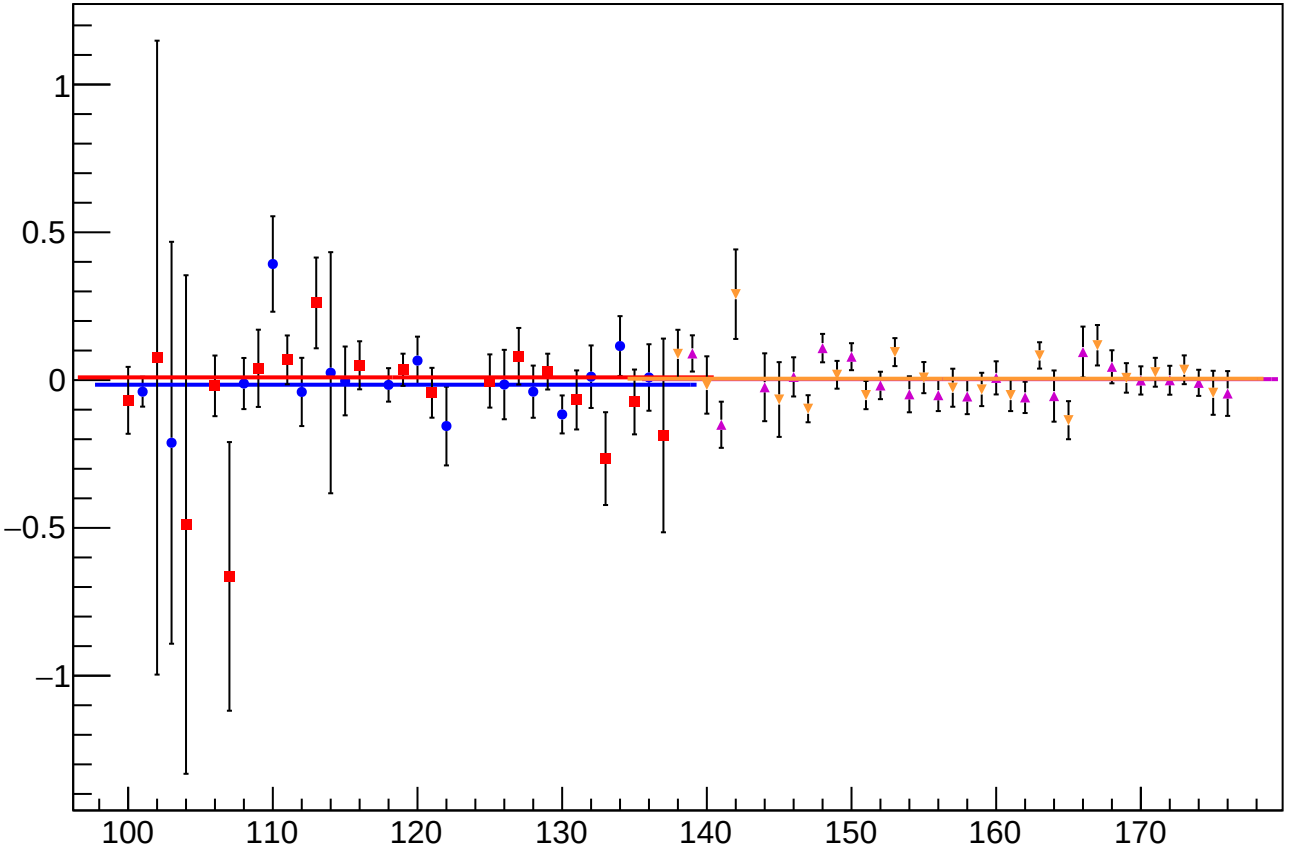
+ sign 0.000+/-0.000 χ^2/NDF: 34.8/34

All: 0.000+/-0.000 χ^2/NDF: 67.2/71

- sign 0.000+/-0.000 χ^2/NDF: 32.4/36


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1169128.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:1772170.0/18
+ sign 0.000+/-0.000 χ²/NDF: 3164746.4/34
All: 0.000+/-0.000 χ²/NDF: 7440420.2/71
- sign 0.000+/-0.000 χ²/NDF: 4251391.7/36

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: 0.005+/-0.013 χ^2/NDF:28.2/18

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

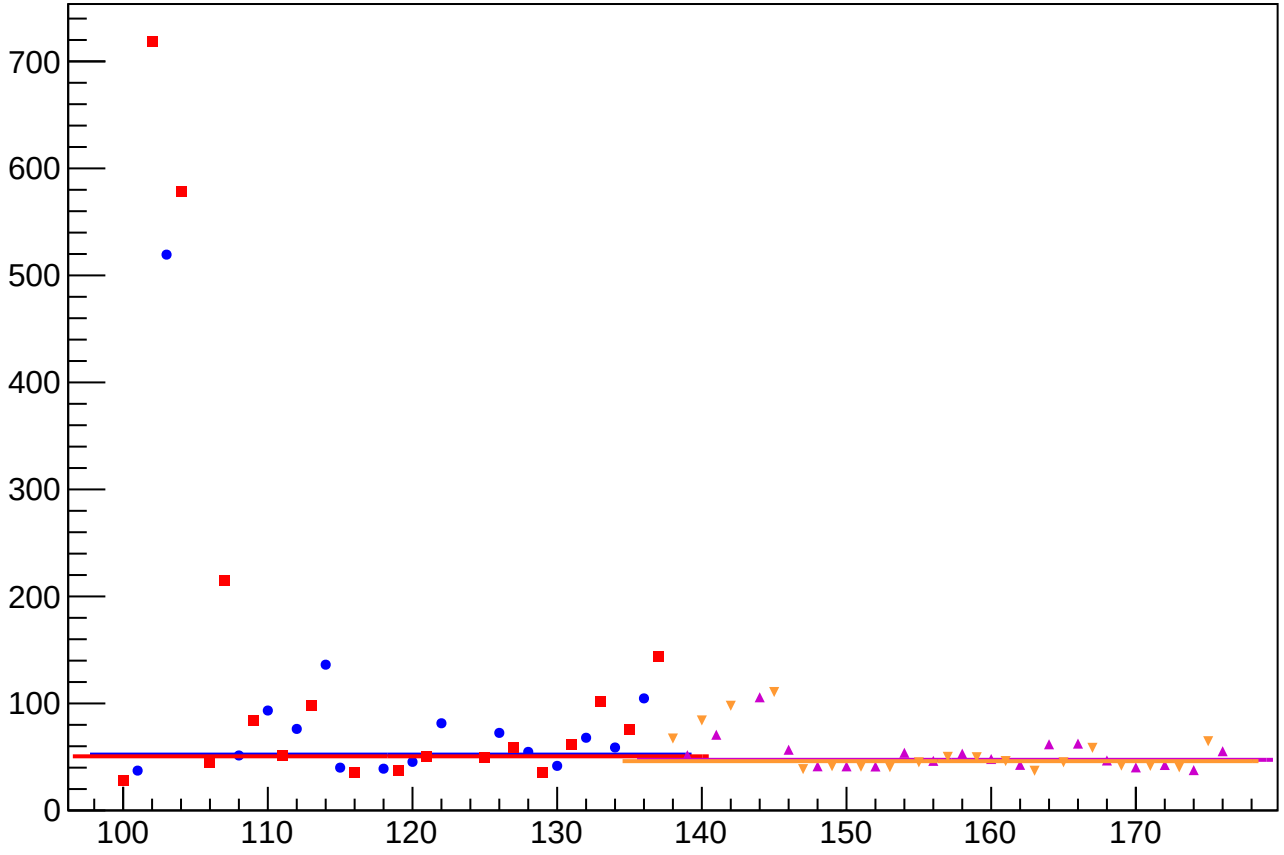
Left In: 0.003+/-0.013 χ^2/NDF:20.4/18

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/34

All: 0.002+/-0.008 χ^2/NDF: 75.1/71

- sign 0.005+/-0.011 χ^2/NDF: 32.9/36

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.070+/-0.009 χ^2/NDF:1672259.1/18

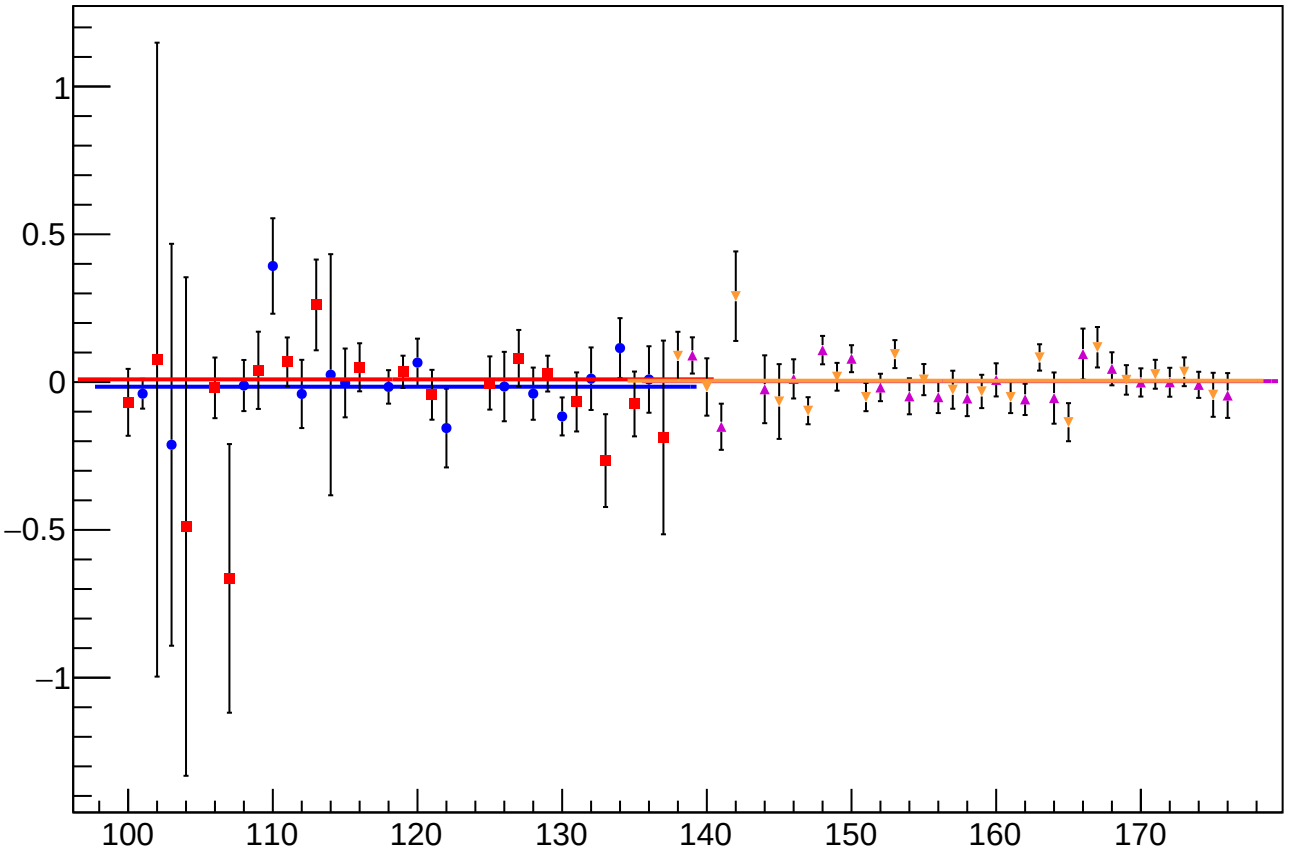
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.318+/-0.009 χ^2/NDF:1209225.0/18

+ sign 47.608+/-0.008 χ^2/NDF: 4048598.0/34

All: 47.846+/-0.006 χ^2/NDF: 8340208.2/71

- sign 48.089+/-0.008 χ^2/NDF: 4289830.6/36



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

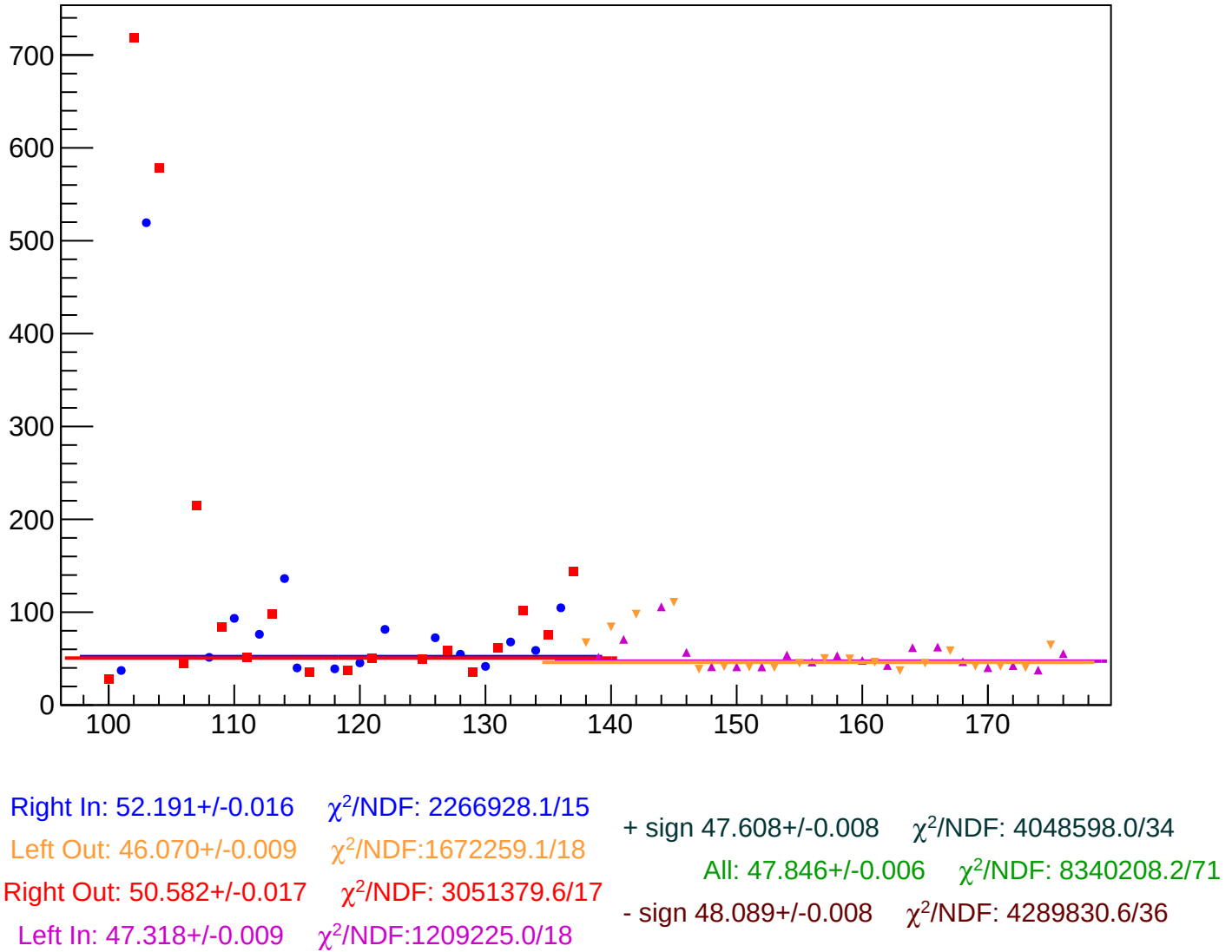
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

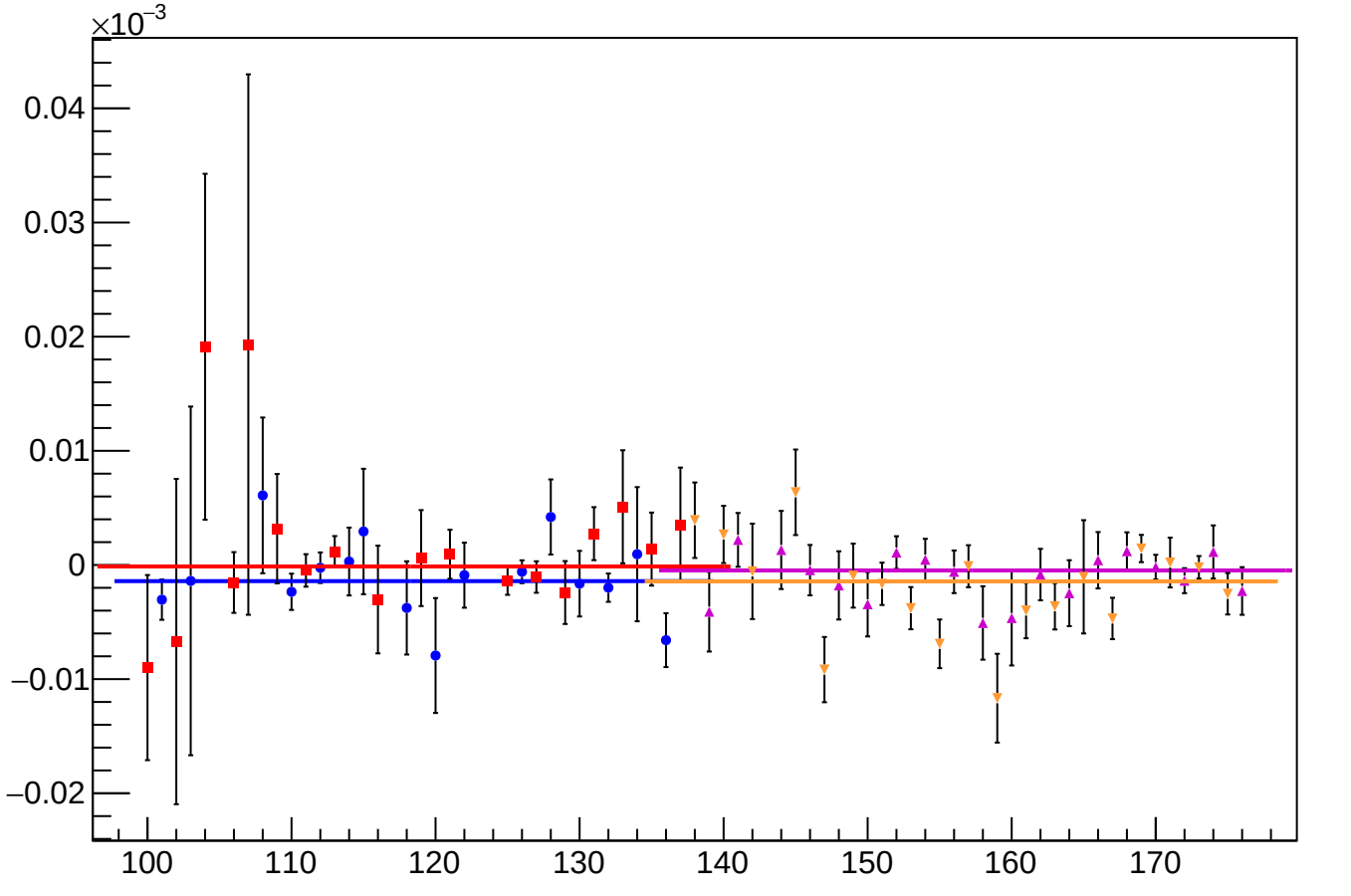
Left In: 0.003+/-0.013 χ^2/NDF:20.4/18

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/34

All: 0.002+/-0.008 χ^2/NDF: 75.1/71

- sign 0.005+/-0.011 χ^2/NDF: 32.9/36


asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
Right In: 52.191+/-0.016 χ²/NDF: 2266928.1/15
Left Out: 46.070+/-0.009 χ²/NDF:1672259.1/18
Right Out: 50.582+/-0.017 χ²/NDF: 3051379.6/17
Left In: 47.318+/-0.009 χ²/NDF:1209225.0/18
+ sign 47.608+/-0.008 χ²/NDF: 4048598.0/34
All: 47.846+/-0.006 χ²/NDF: 8340208.2/71
- sign 48.089+/-0.008 χ²/NDF: 4289830.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/18

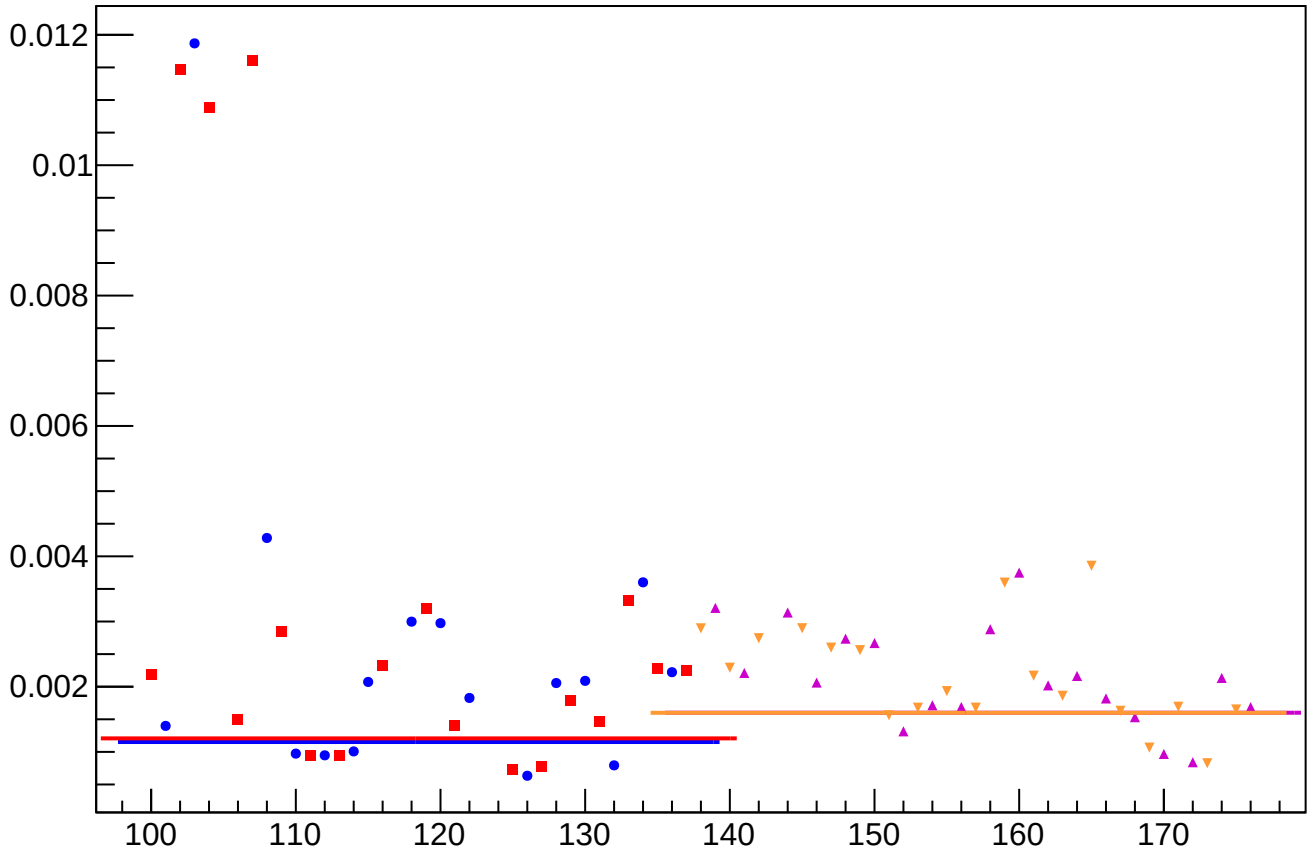
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:12.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 61.4/34

All: -0.000+/-0.000 χ^2/NDF: 90.3/71

- sign -0.000+/-0.000 χ^2/NDF: 23.9/36



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:4103637.1/18

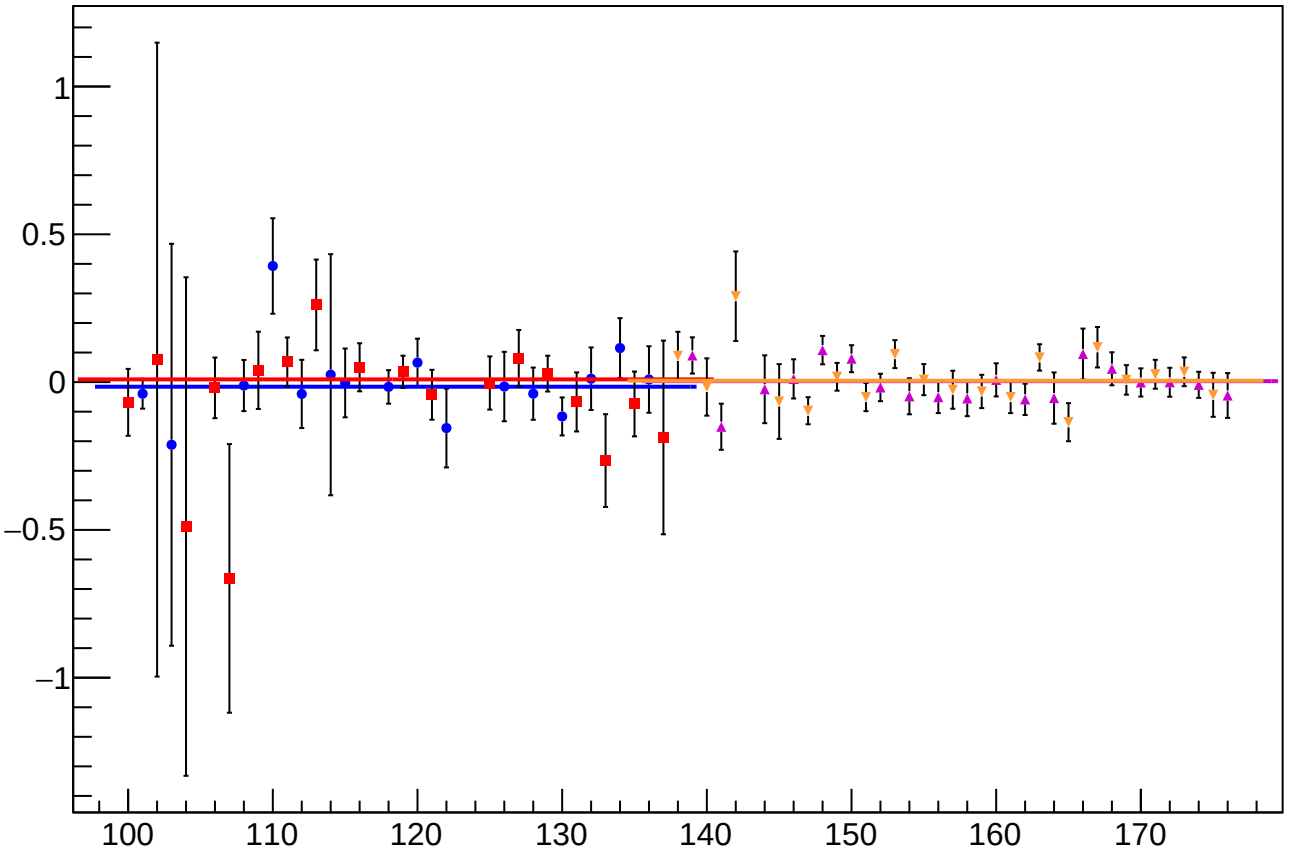
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4494278.7/18

+ sign 0.001+/-0.000 χ^2/NDF: 9135399.8/34

All: 0.001+/-0.000 χ^2/NDF: 18772405.2/71

- sign 0.001+/-0.000 χ^2/NDF: 9621658.6/36



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

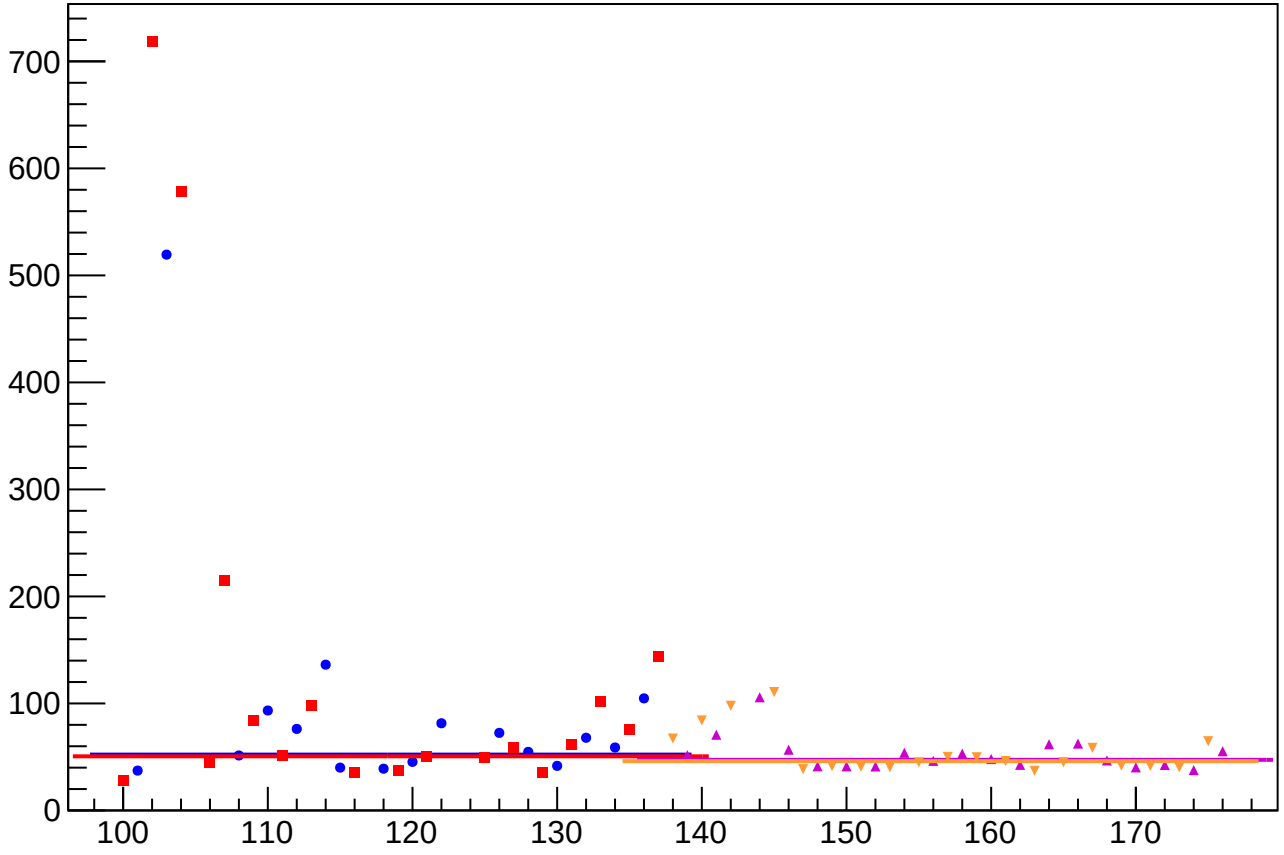
Left In: 0.003+/-0.013 χ^2/NDF:20.4/18

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/34

All: 0.002+/-0.008 χ^2/NDF: 75.1/71

- sign 0.005+/-0.011 χ^2/NDF: 32.9/36

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.071+/-0.009 χ^2/NDF:1672234.7/18

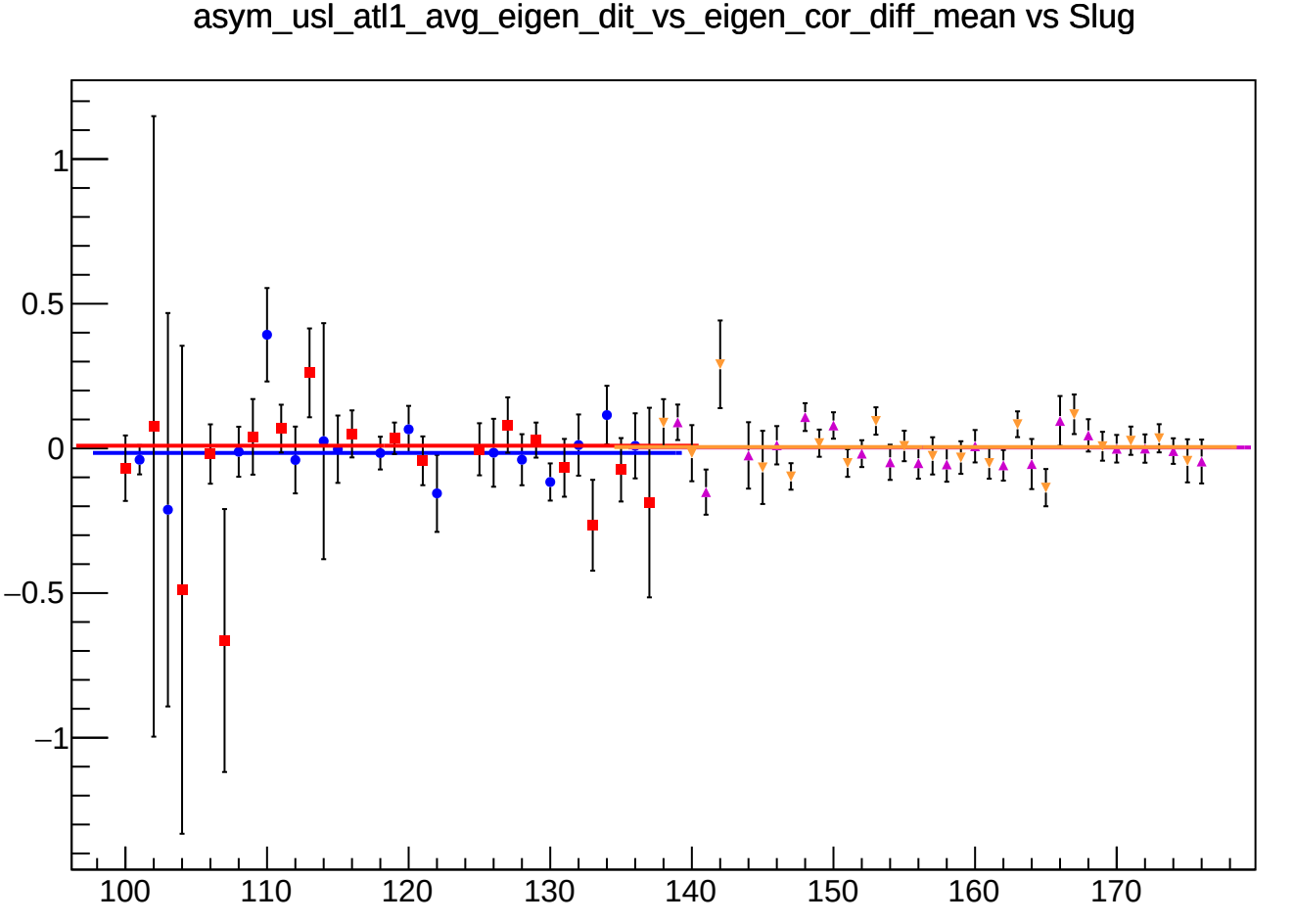
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.318+/-0.009 χ^2/NDF:1209224.2/18

+ sign 47.608+/-0.008 χ^2/NDF: 4048556.4/34

All: 47.846+/-0.006 χ^2/NDF: 8340143.9/71

- sign 48.089+/-0.008 χ^2/NDF: 4289808.8/36



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

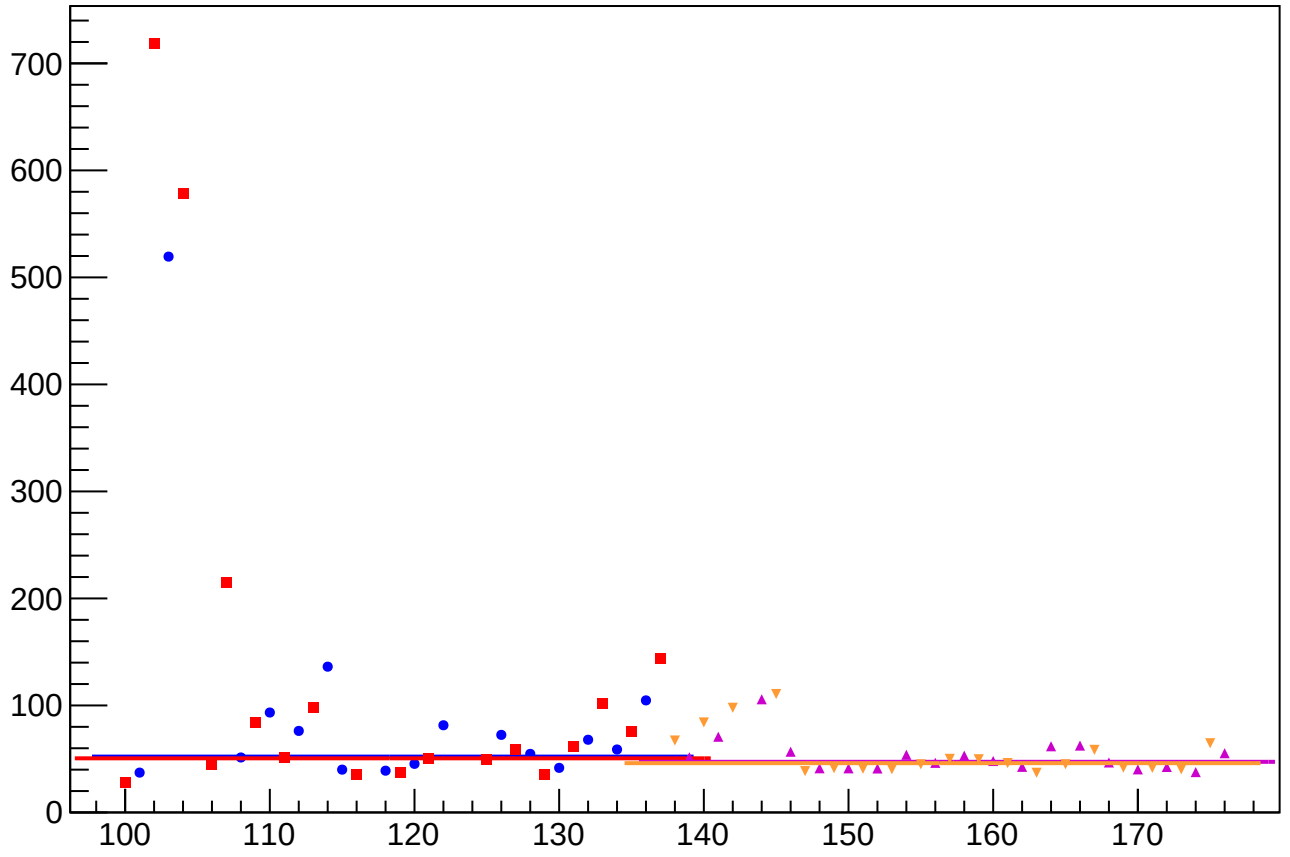
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.003+/-0.013 χ^2/NDF:20.4/18

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/34

All: 0.002+/-0.008 χ^2/NDF: 75.1/71

- sign 0.005+/-0.011 χ^2/NDF: 32.9/36



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.071+/-0.009 χ^2/NDF:1672234.7/18

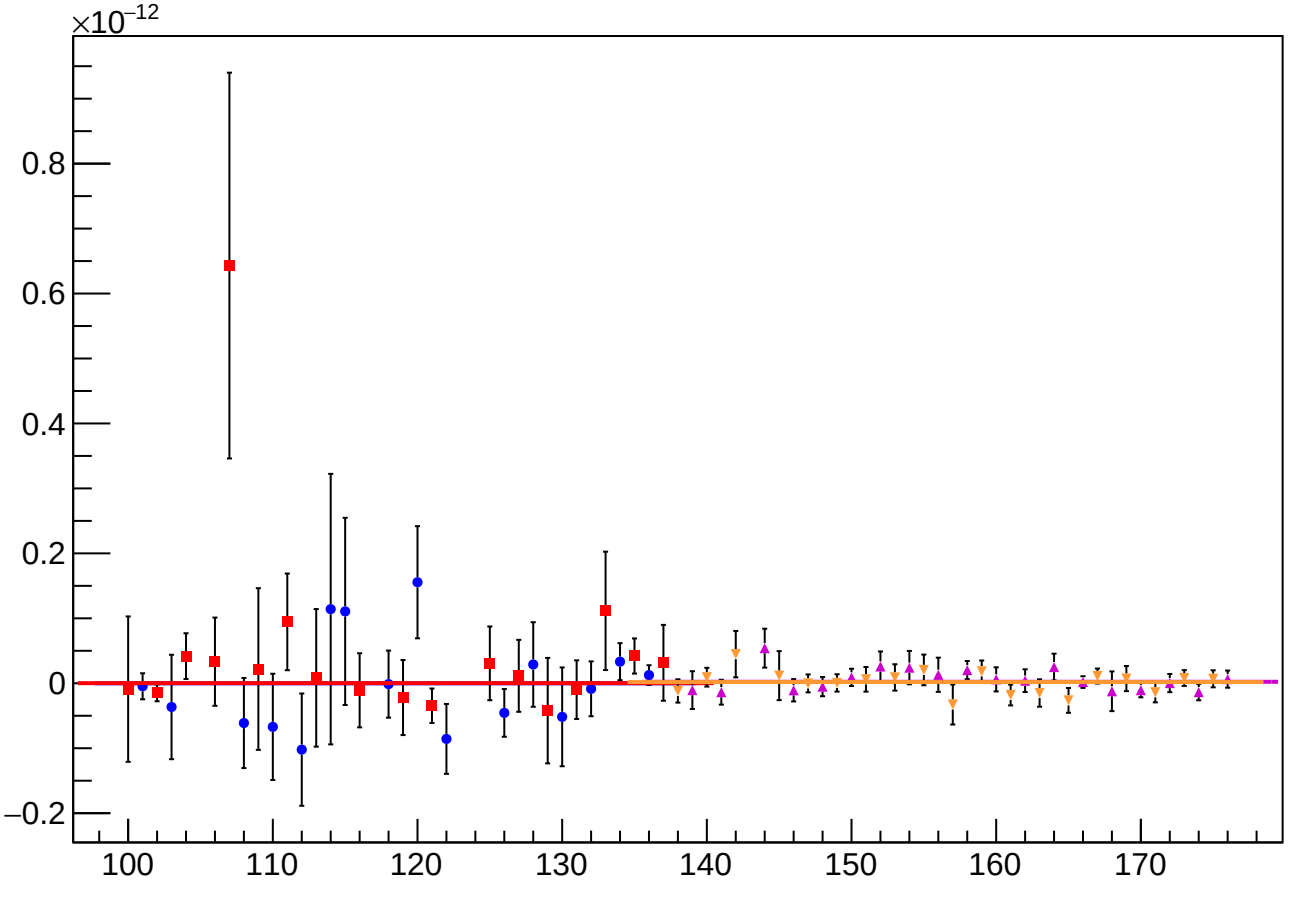
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.318+/-0.009 χ^2/NDF:1209224.2/18

+ sign 47.608+/-0.008 χ^2/NDF: 4048556.4/34

All: 47.846+/-0.006 χ^2/NDF: 8340143.9/71

- sign 48.089+/-0.008 χ^2/NDF: 4289808.8/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/18

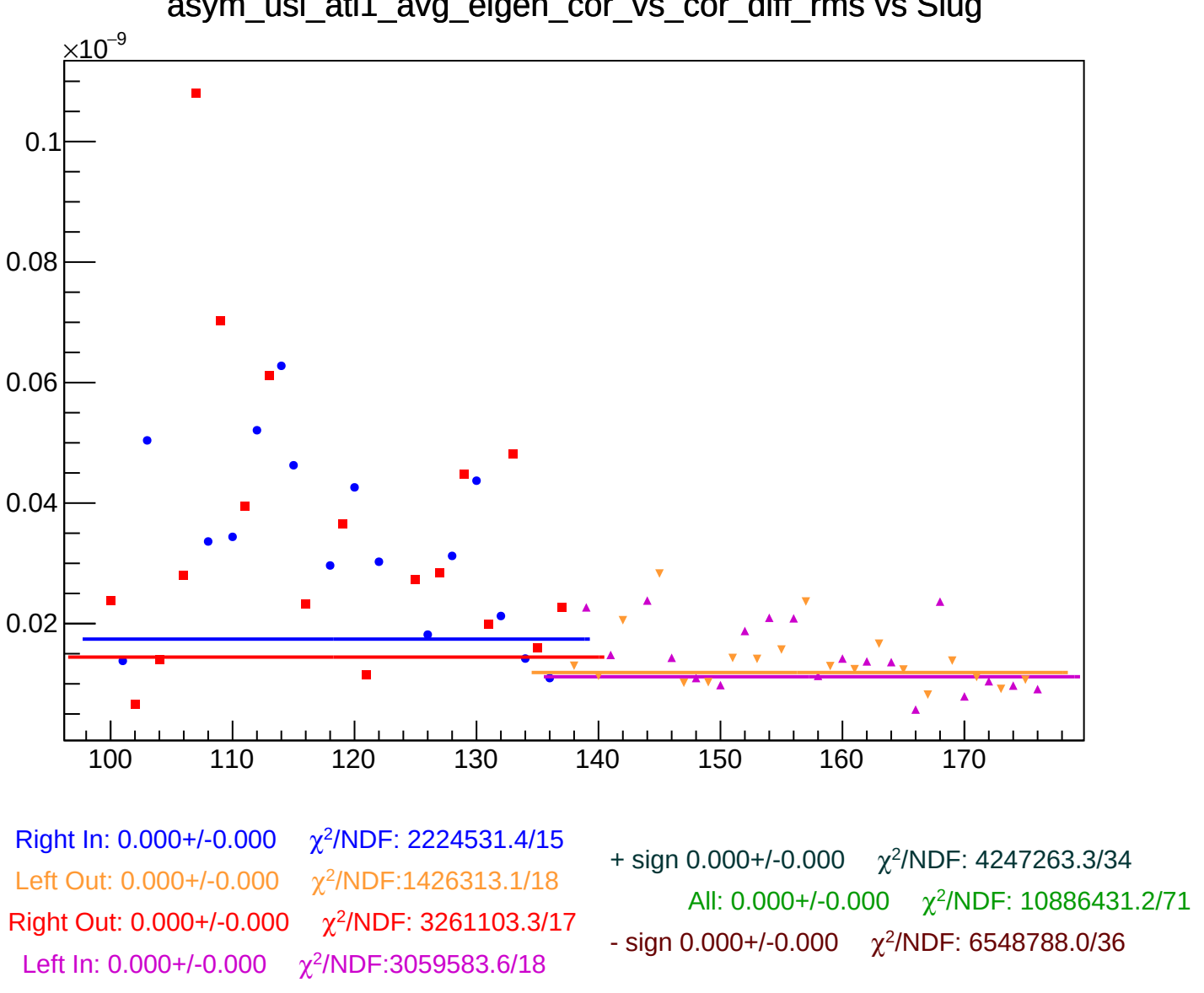
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.1/18

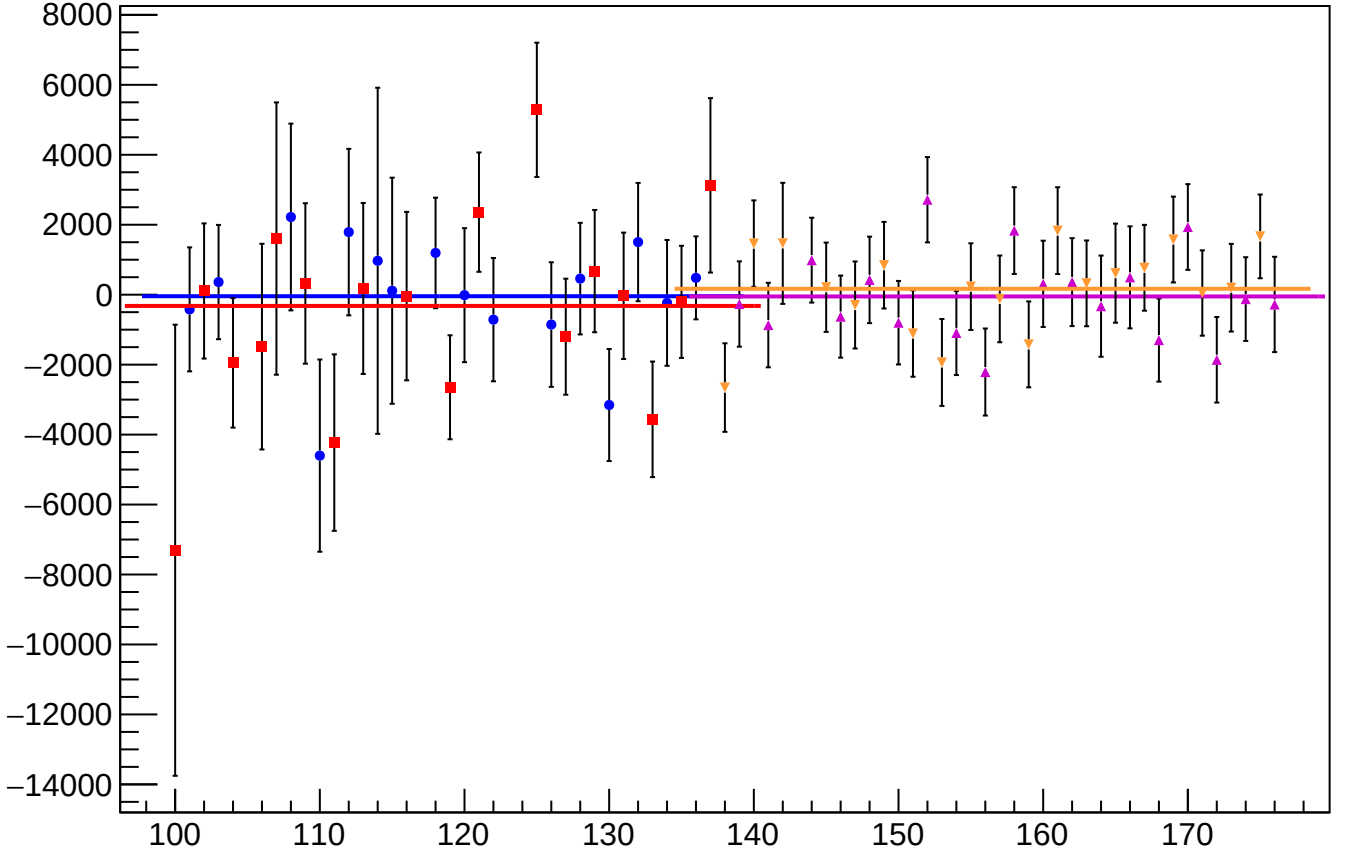
+ sign 0.000+/-0.000 χ^2/NDF: 26.0/34

All: 0.000+/-0.000 χ^2/NDF: 55.3/71

- sign 0.000+/-0.000 χ^2/NDF: 29.2/36


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1426313.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:3059583.6/18
+ sign 0.000+/-0.000 χ²/NDF: 4247263.3/34
All: 0.000+/-0.000 χ²/NDF: 10886431.2/71
- sign 0.000+/-0.000 χ²/NDF: 6548788.0/36

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 169.024+/-289.371 χ^2/NDF:17.8/18

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

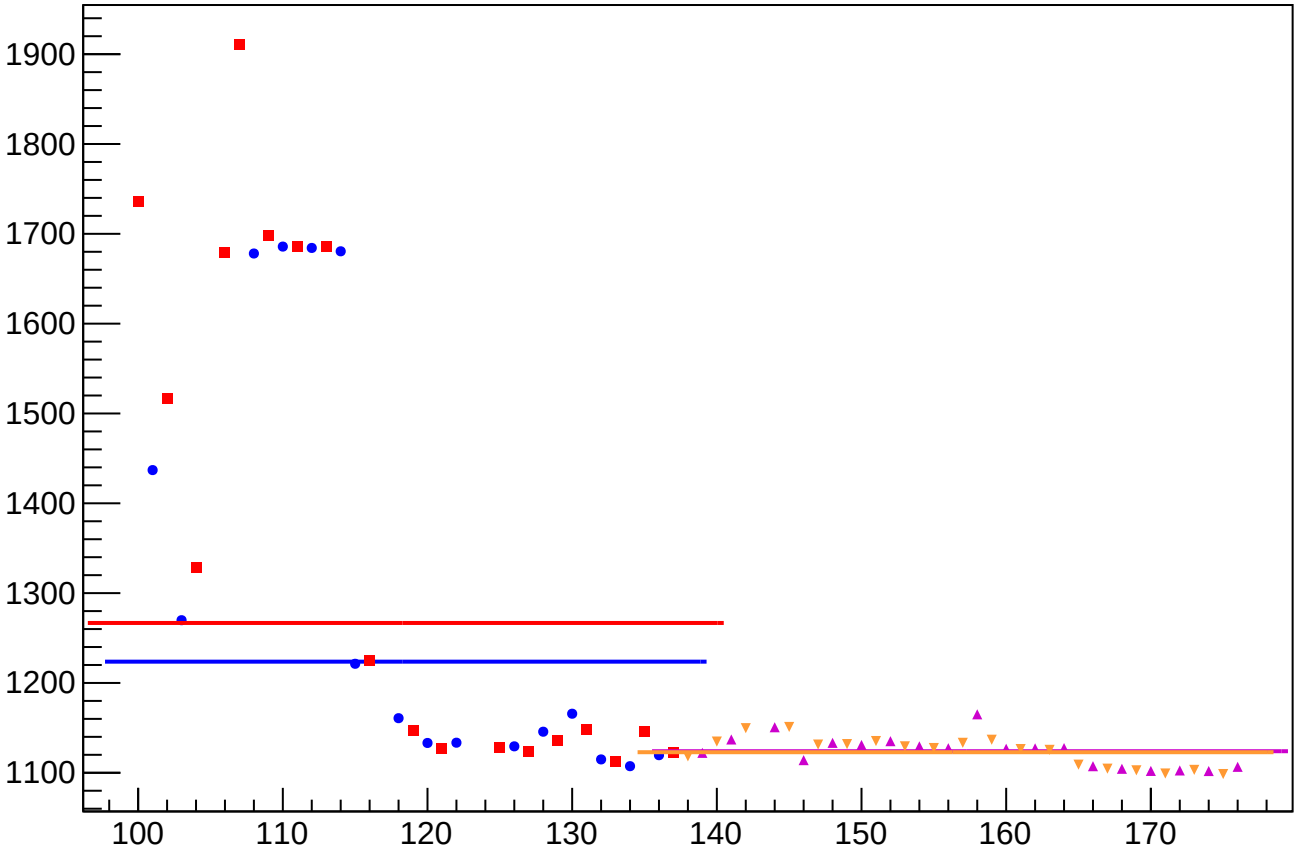
Left In: -50.170+/-285.142 χ^2/NDF:19.5/18

+ sign 108.570+/-244.820 χ^2/NDF: 28.0/34

All: -6.880+/-172.989 χ^2/NDF: 73.1/71

- sign -121.997+/-244.467 χ^2/NDF: 44.6/36

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.900+/-0.205 χ^2/NDF:5818.5/18

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

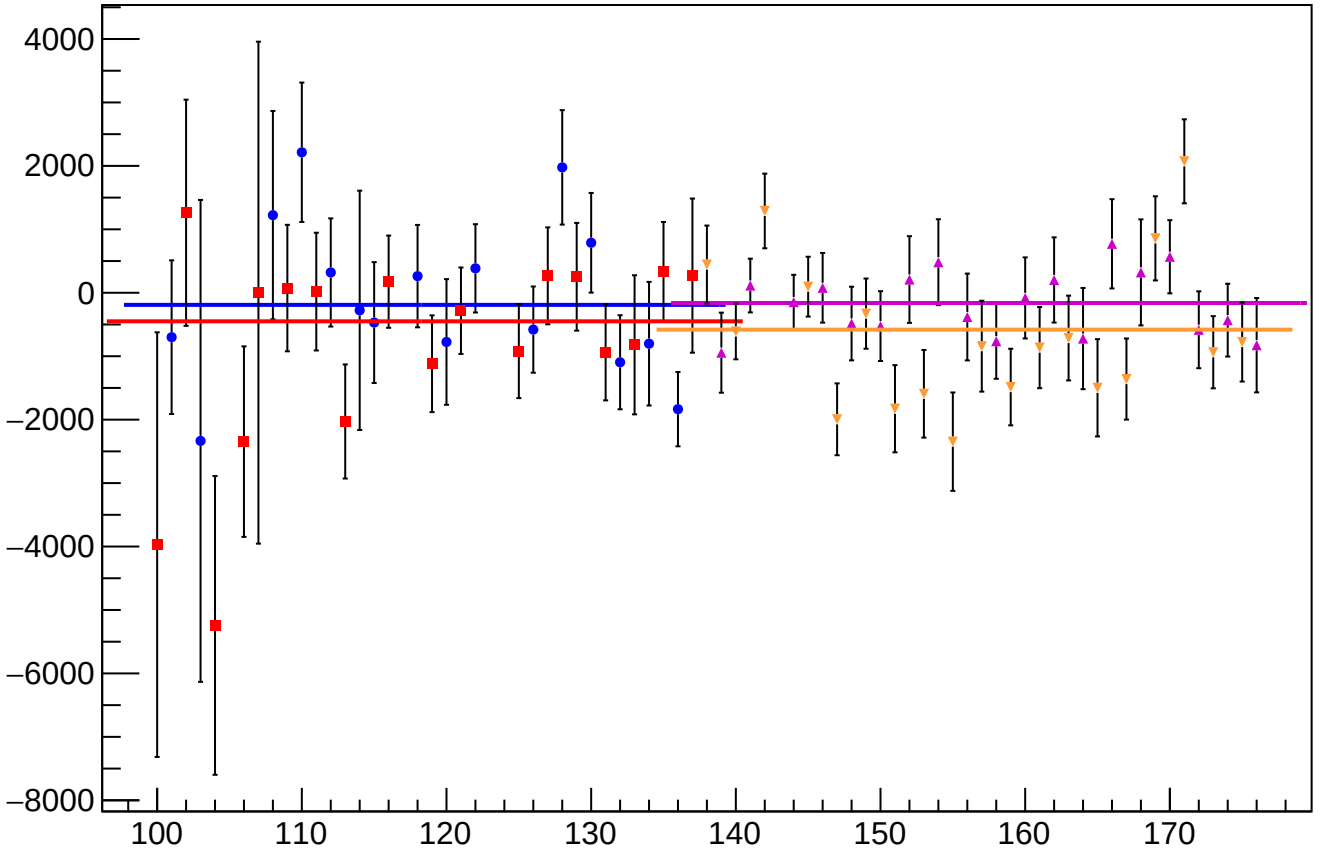
Left In: 1124.004+/-0.202 χ^2/NDF:7046.6/18

+ sign 1151.550+/-0.173 χ^2/NDF: 369766.3/34

All: 1156.699+/-0.122 χ^2/NDF: 944279.5/71

- sign 1161.833+/-0.173 χ^2/NDF: 572746.6/36

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -581.099+/-139.706 χ^2/NDF:58.8/18

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

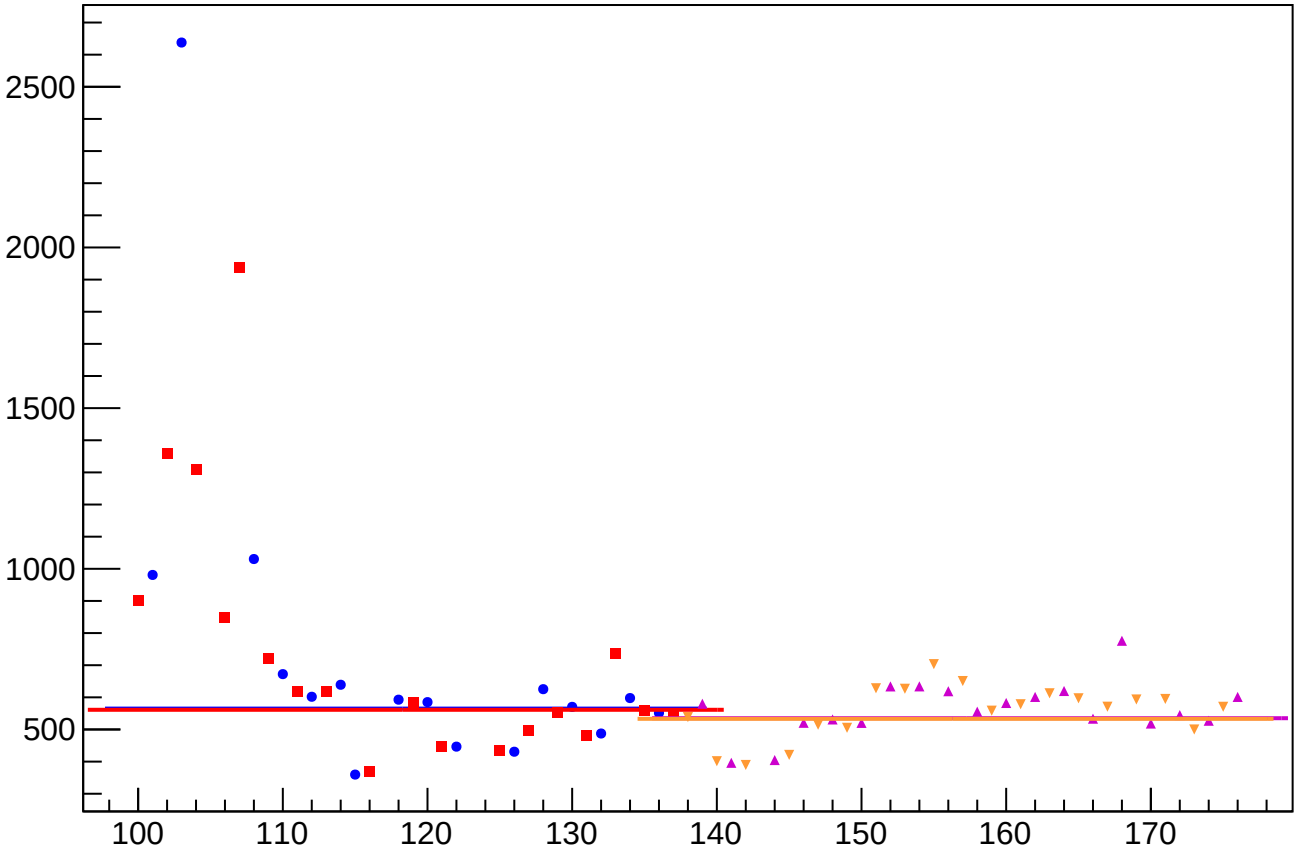
Left In: -161.164+/-137.741 χ^2/NDF:11.2/18

+ sign -470.951+/-118.372 χ^2/NDF: 86.3/34

All: -354.739+/-83.291 χ^2/NDF: 117.4/71

- sign -240.782+/-117.218 χ^2/NDF: 29.3/36

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 533.179+/-0.099 χ^2/NDF:756502.9/18

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

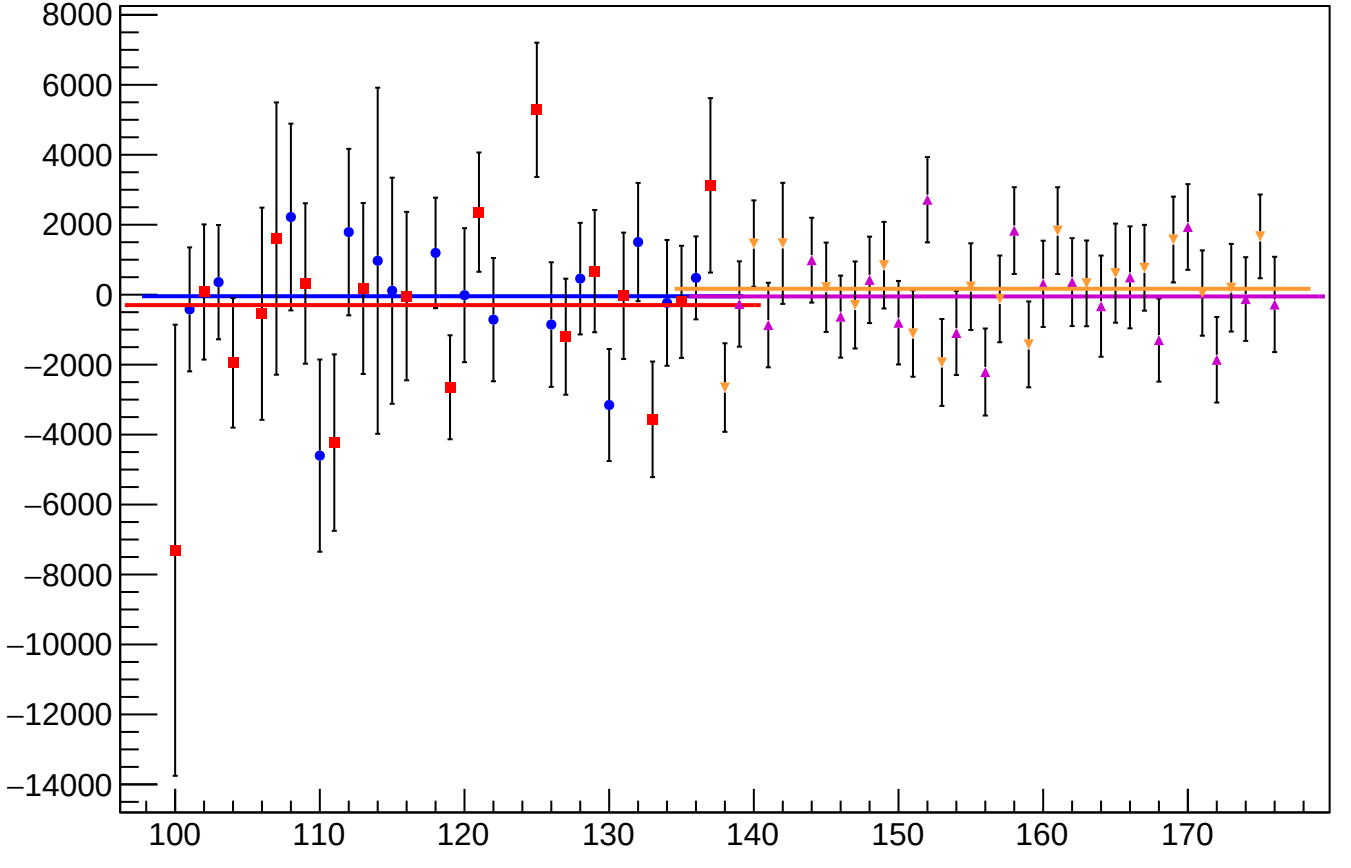
Left In: 535.067+/-0.097 χ^2/NDF:767568.8/18

+ sign 542.144+/-0.084 χ^2/NDF: 2070175.1/34

All: 542.216+/-0.059 χ^2/NDF: 4209905.4/71

- sign 542.286+/-0.083 χ^2/NDF: 2139728.8/36

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 169.065+/-289.371 χ^2/NDF:17.8/18

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

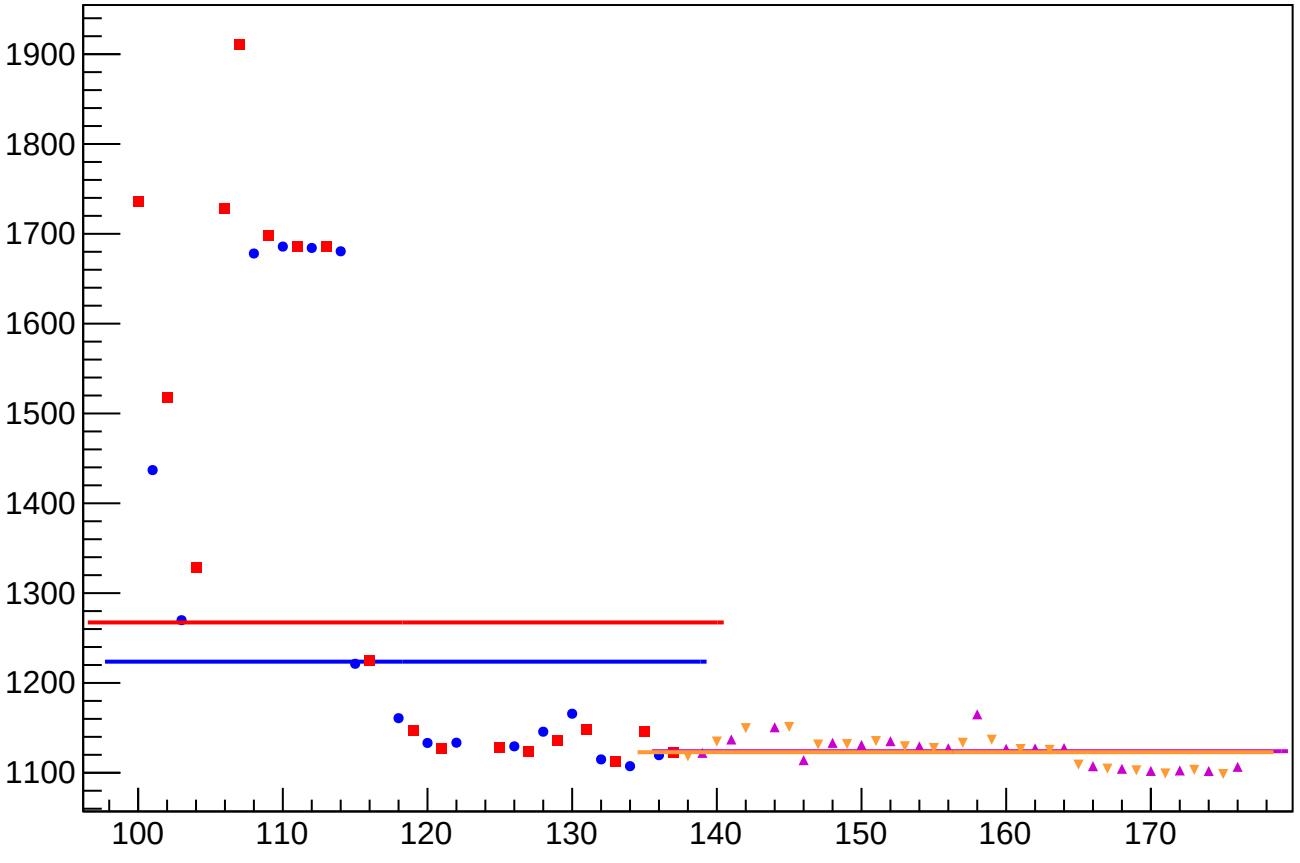
Left In: -50.168+/-285.142 χ^2/NDF:19.5/18

+ sign 108.531+/-244.820 χ^2/NDF: 28.0/34

All: -3.778+/-173.007 χ^2/NDF: 72.8/71

- sign -115.809+/-244.518 χ^2/NDF: 44.4/36

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.900+/-0.205 χ^2/NDF:5818.5/18

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

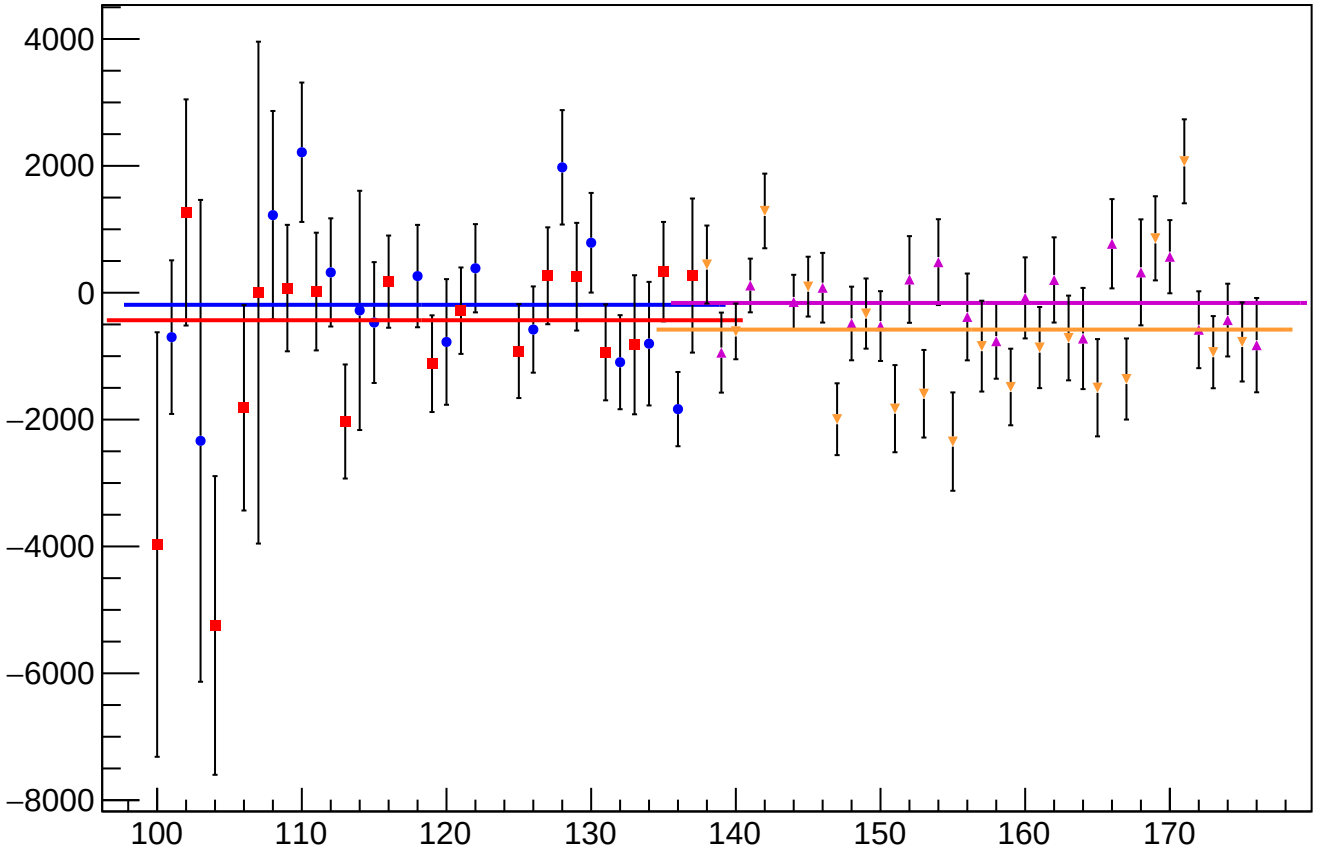
Left In: 1124.004+/-0.202 χ^2/NDF:7046.6/18

+ sign 1151.550+/-0.173 χ^2/NDF: 369766.4/34

All: 1156.753+/-0.122 χ^2/NDF: 952386.7/71

- sign 1161.943+/-0.173 χ^2/NDF: 580816.0/36

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -581.125+/-139.705 χ^2/NDF:58.8/18

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

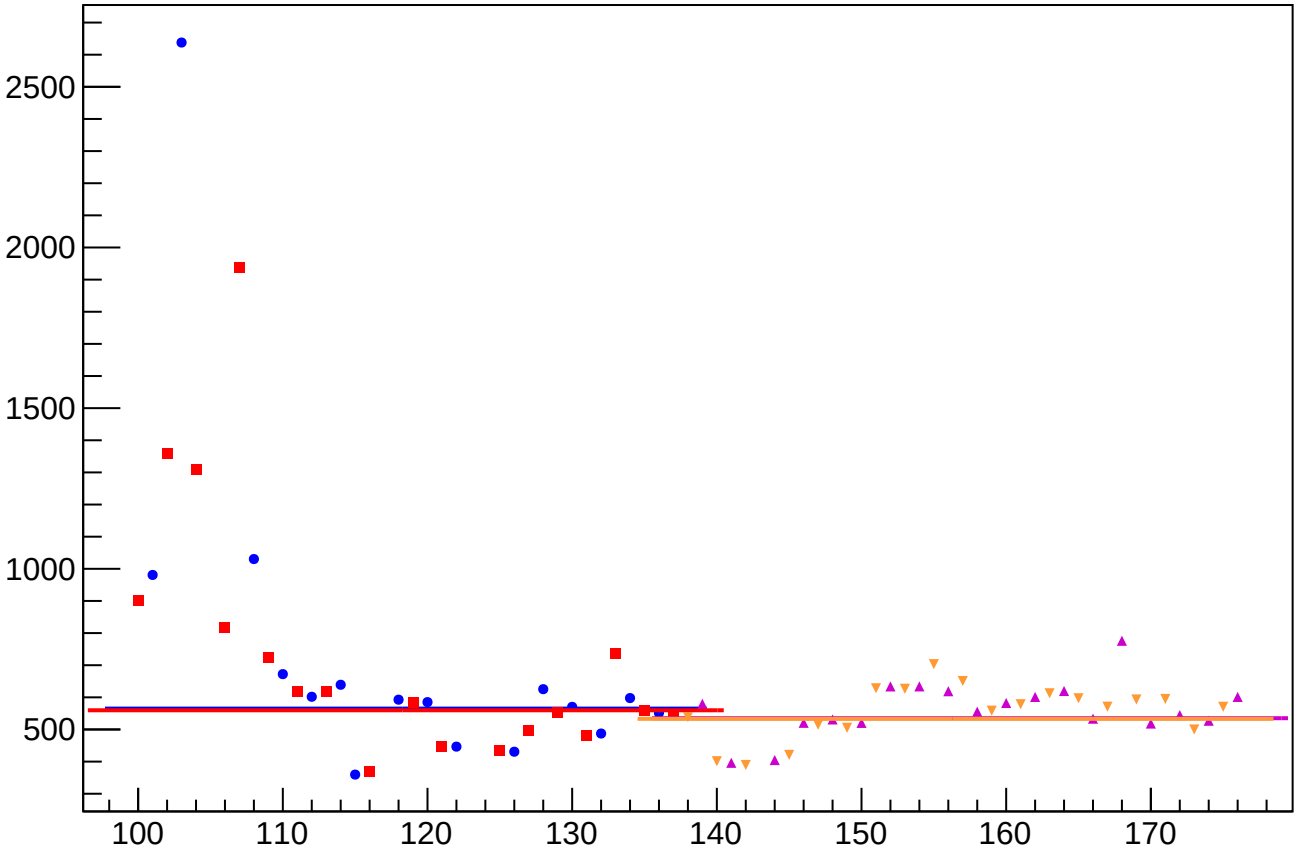
Left In: -161.152+/-137.741 χ^2/NDF:11.2/18

+ sign -470.972+/-118.371 χ^2/NDF: 86.3/34

All: -352.487+/-83.308 χ^2/NDF: 116.5/71

- sign -236.201+/-117.268 χ^2/NDF: 28.3/36

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 533.178+/-0.099 χ^2/NDF:756491.1/18

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

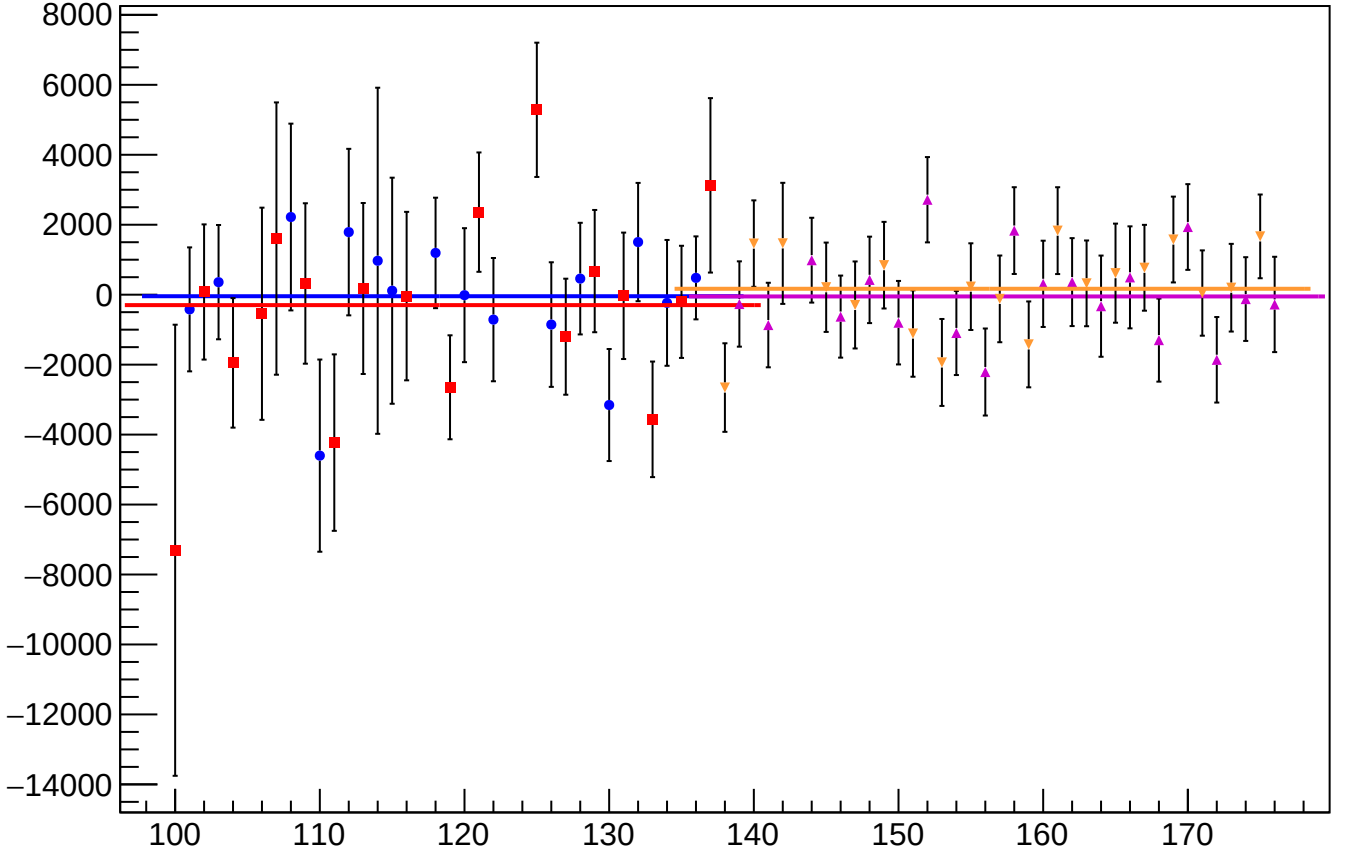
Left In: 535.066+/-0.097 χ^2/NDF:767520.3/18

+ sign 542.142+/-0.084 χ^2/NDF: 2070135.6/34

All: 542.000+/-0.059 χ^2/NDF: 4184704.3/71

- sign 541.861+/-0.083 χ^2/NDF: 2114563.0/36

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 169.065+/-289.371 χ^2/NDF:17.8/18

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

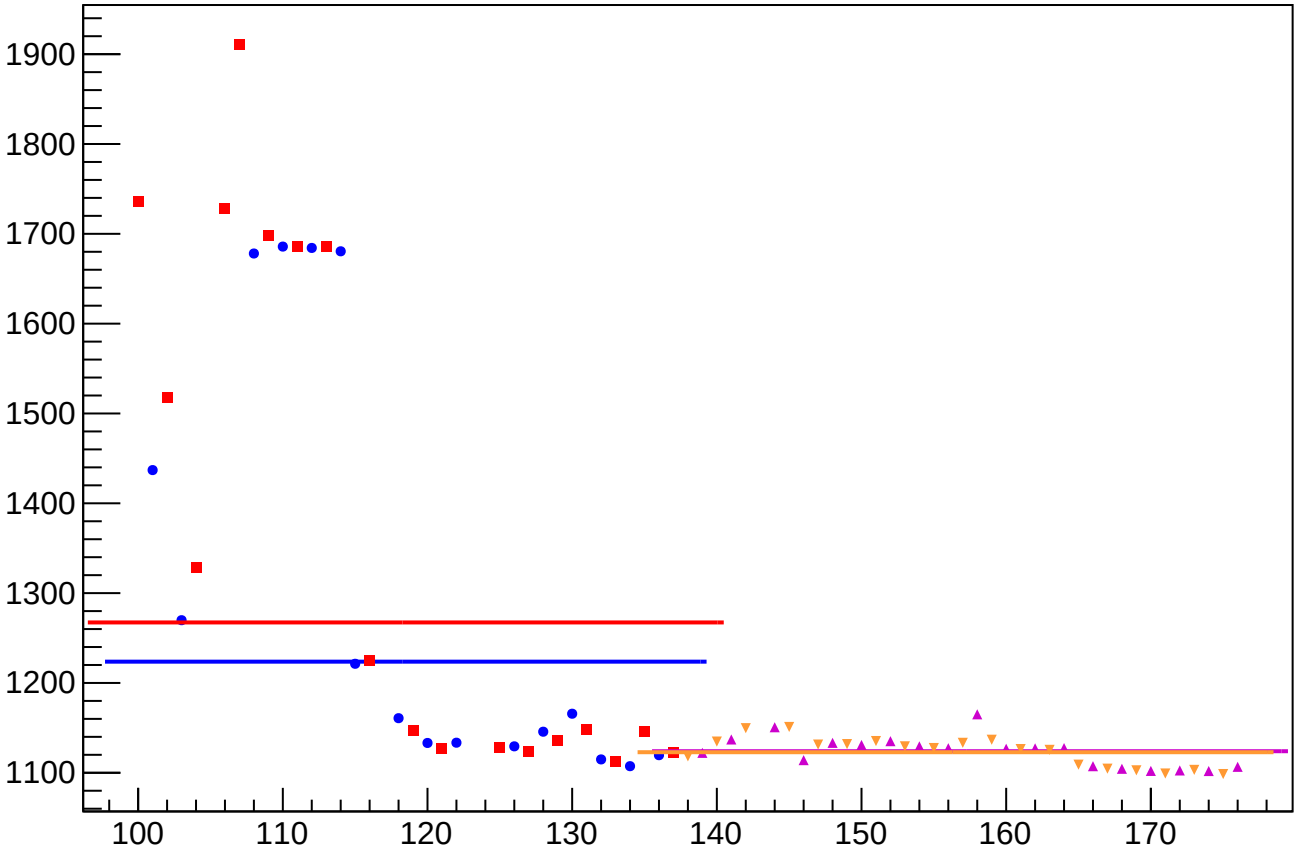
Left In: -50.168+/-285.142 χ^2/NDF:19.5/18

+ sign 108.531+/-244.820 χ^2/NDF: 28.0/34

All: -3.778+/-173.007 χ^2/NDF: 72.8/71

- sign -115.809+/-244.518 χ^2/NDF: 44.4/36

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.900+/-0.205 χ^2/NDF:5818.5/18

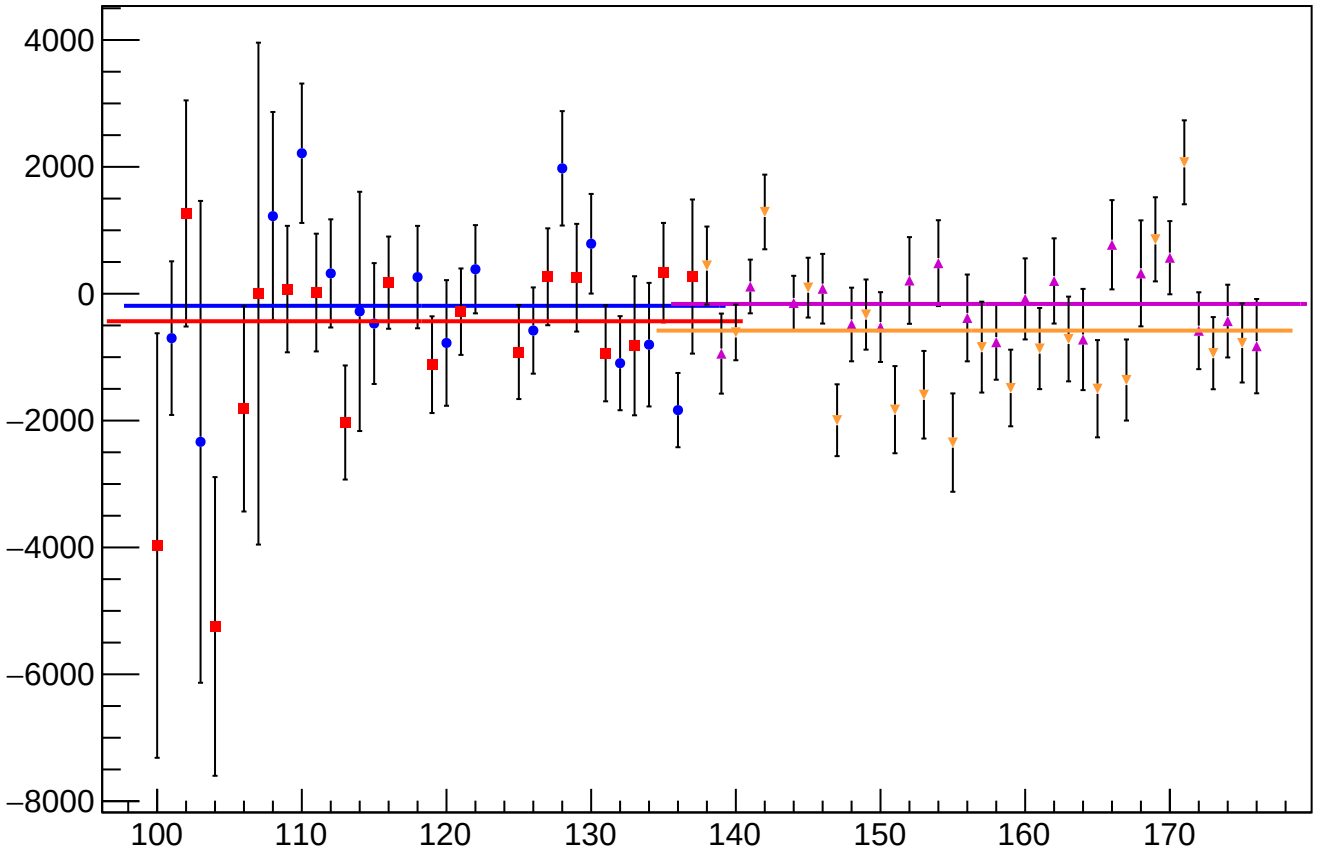
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1124.004+/-0.202 χ^2/NDF:7046.6/18

+ sign 1151.550+/-0.173 χ^2/NDF: 369766.4/34

All: 1156.753+/-0.122 χ^2/NDF: 952386.7/71

- sign 1161.943+/-0.173 χ^2/NDF: 580816.0/36



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -581.125+/-139.705 χ^2/NDF:58.8/18

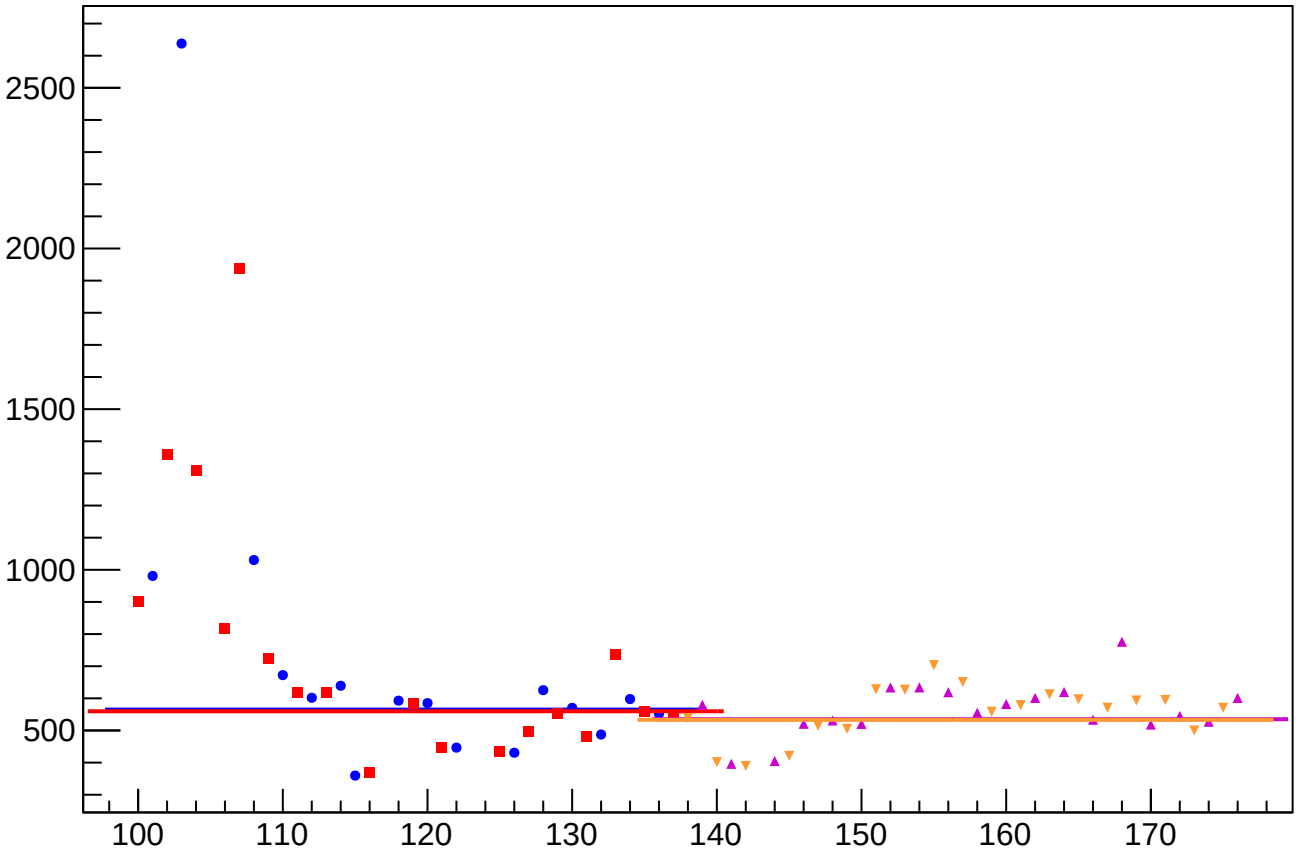
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -161.152+/-137.741 χ^2/NDF:11.2/18

+ sign -470.972+/-118.371 χ^2/NDF: 86.3/34

All: -352.487+/-83.308 χ^2/NDF: 116.5/71

- sign -236.201+/-117.268 χ^2/NDF: 28.3/36



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 533.178+/-0.099 χ^2/NDF:756491.1/18

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

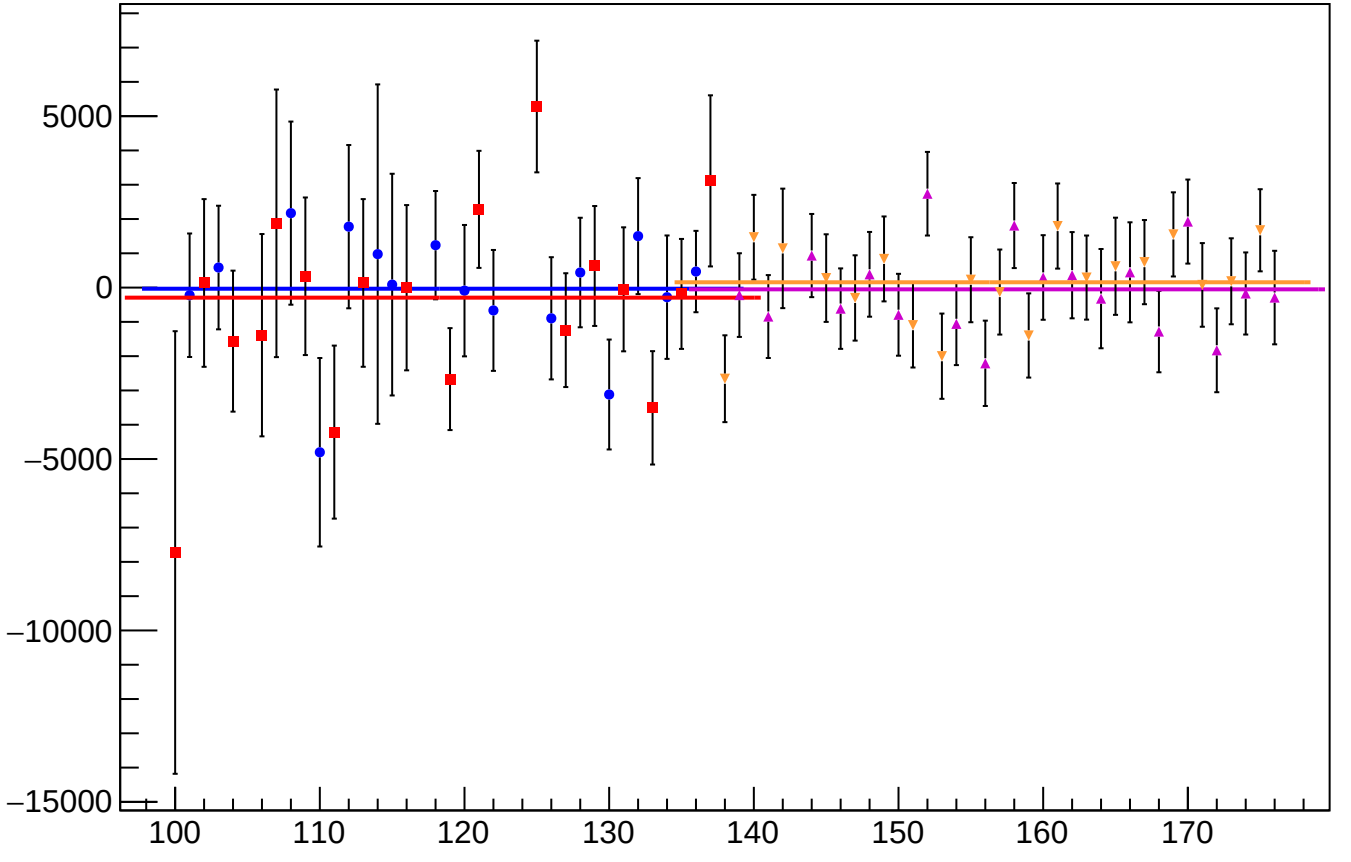
Left In: 535.066+/-0.097 χ^2/NDF:767520.3/18

+ sign 542.142+/-0.084 χ^2/NDF: 2070135.6/34

All: 542.000+/-0.059 χ^2/NDF: 4184704.3/71

- sign 541.861+/-0.083 χ^2/NDF: 2114563.0/36

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 155.205+/-289.543 χ^2/NDF:17.5/18

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

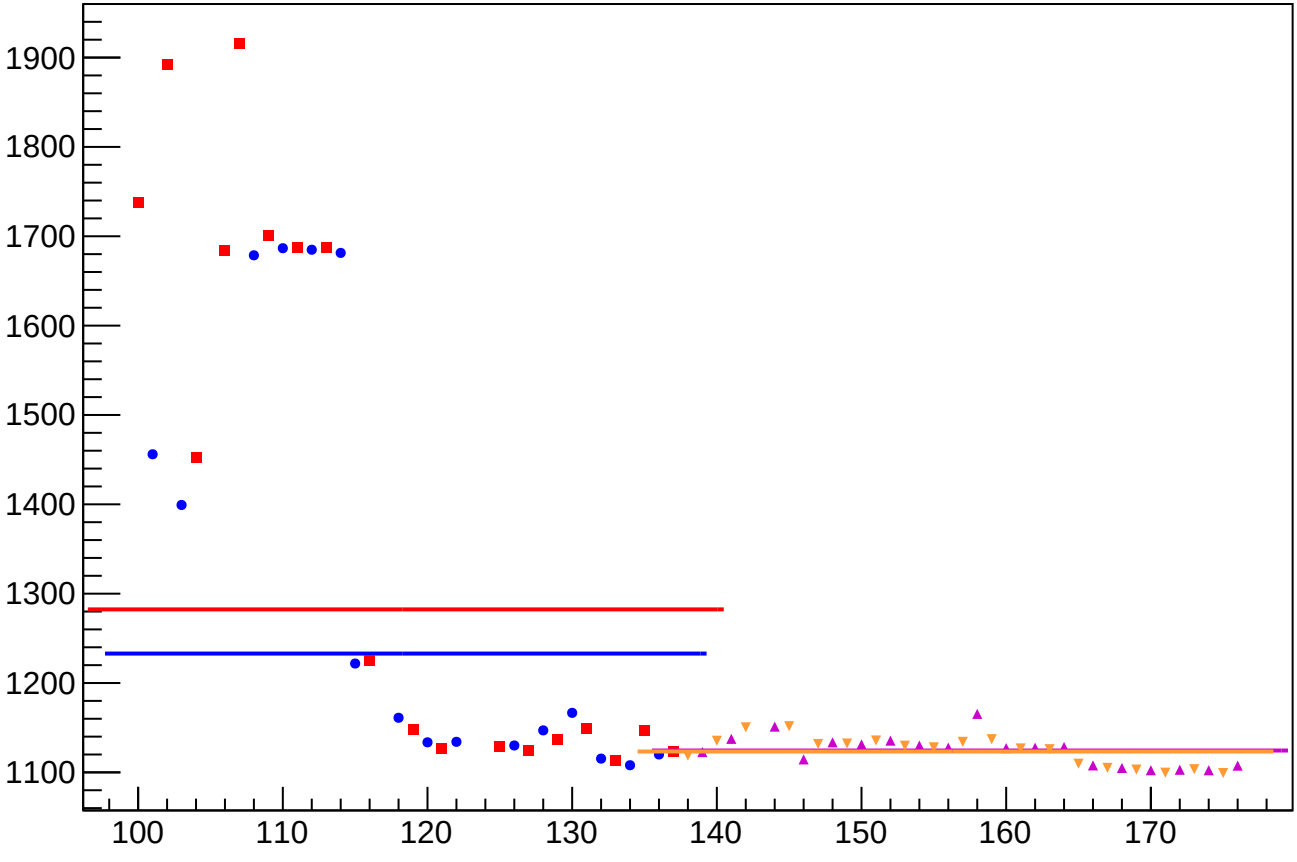
Left In: -50.939+/-285.258 χ^2/NDF:19.2/18

+ sign 102.312+/-245.524 χ^2/NDF: 27.9/34

All: -5.491+/-173.684 χ^2/NDF: 71.9/71

- sign -113.475+/-245.730 χ^2/NDF: 43.6/36

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1123.360+/-0.205 χ^2/NDF:5819.2/18

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

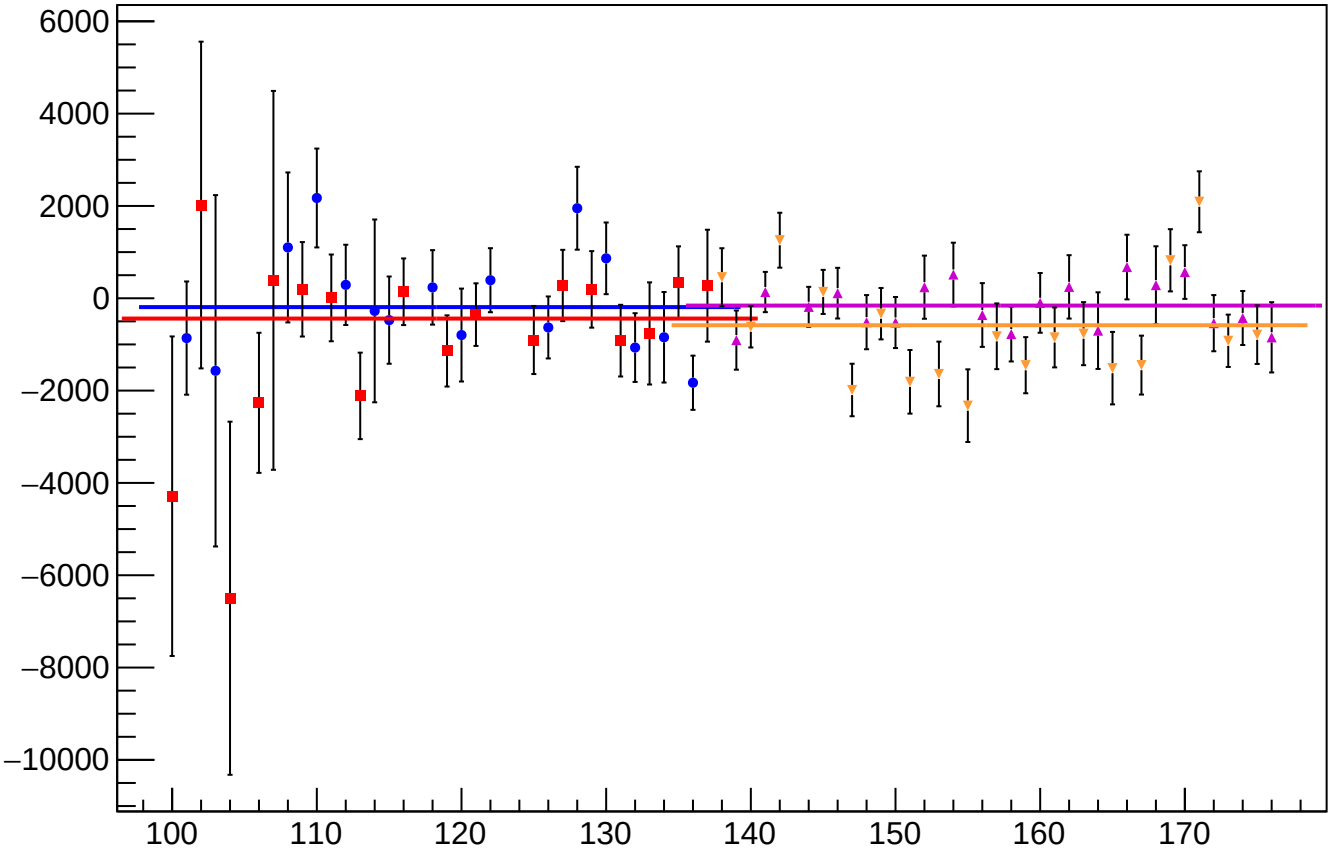
Left In: 1124.463+/-0.202 χ^2/NDF:7033.3/18

+ sign 1154.153+/-0.174 χ^2/NDF: 401805.9/34

All: 1159.673+/-0.123 χ^2/NDF: 1112419.1/71

- sign 1165.203+/-0.174 χ^2/NDF: 708589.6/36

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -584.216+/-141.214 χ^2/NDF:58.1/18

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

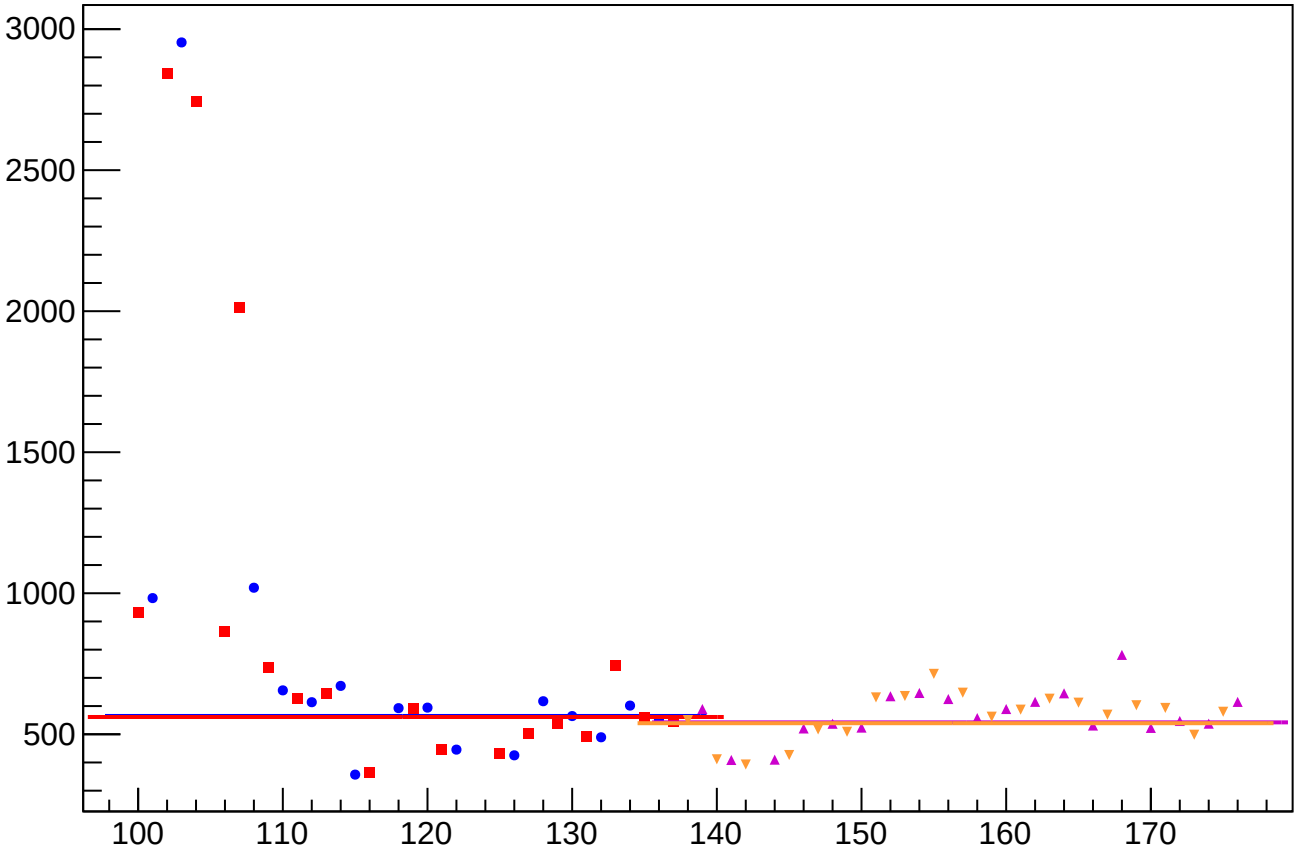
Left In: -158.265+/-139.502 χ^2/NDF:10.8/18

+ sign -471.648+/-119.269 χ^2/NDF: 85.6/34

All: -353.149+/-84.168 χ^2/NDF: 114.1/71

- sign -235.589+/-118.795 χ^2/NDF: 26.6/36

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 539.213+/-0.100 χ^2/NDF:740184.7/18

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

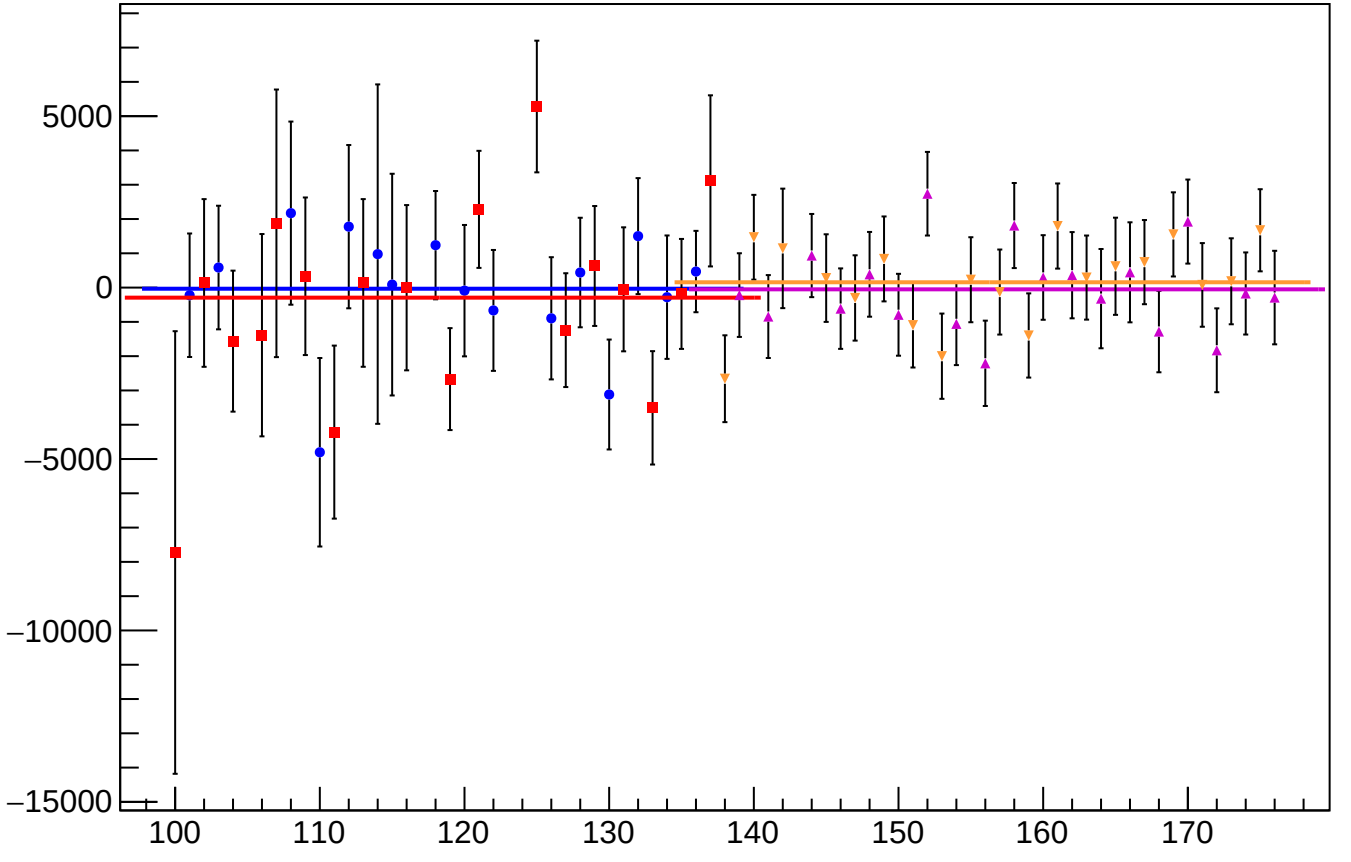
Left In: 542.207+/-0.099 χ^2/NDF:748318.3/18

+ sign 546.568+/-0.084 χ^2/NDF: 2239486.8/34

All: 547.009+/-0.060 χ^2/NDF: 5271499.0/71

- sign 547.447+/-0.084 χ^2/NDF: 3031957.8/36

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 155.203+/-289.543 χ^2/NDF:17.5/18

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

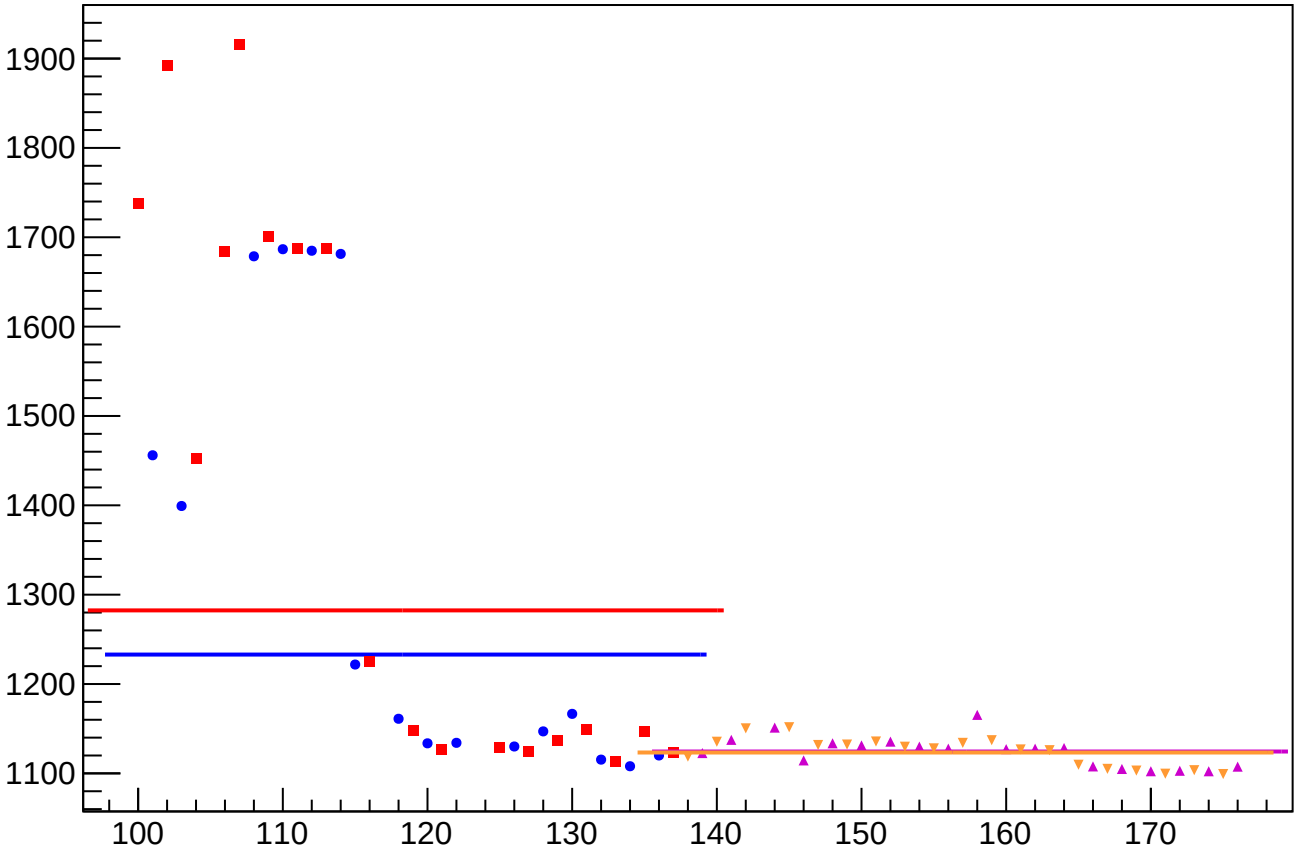
Left In: -50.939+/-285.258 χ^2/NDF:19.2/18

+ sign 102.311+/-245.524 χ^2/NDF: 27.9/34

All: -5.492+/-173.684 χ^2/NDF: 71.9/71

- sign -113.475+/-245.730 χ^2/NDF: 43.6/36

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1123.360+/-0.205 χ^2/NDF:5819.2/18

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

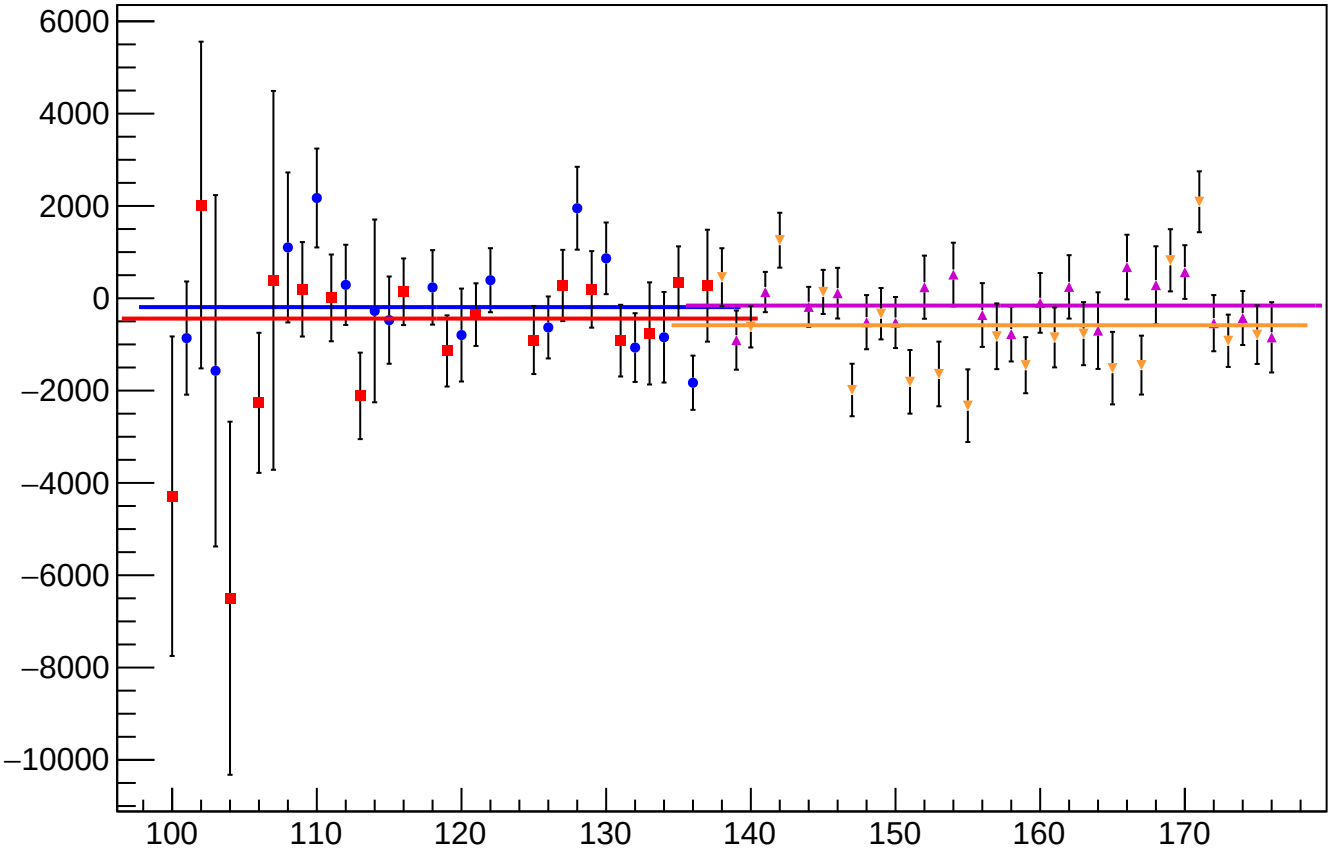
Left In: 1124.463+/-0.202 χ^2/NDF:7033.3/18

+ sign 1154.153+/-0.174 χ^2/NDF: 401805.4/34

All: 1159.673+/-0.123 χ^2/NDF: 1112417.9/71

- sign 1165.203+/-0.174 χ^2/NDF: 708588.9/36

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -584.215+/-141.214 χ^2/NDF:58.1/18

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

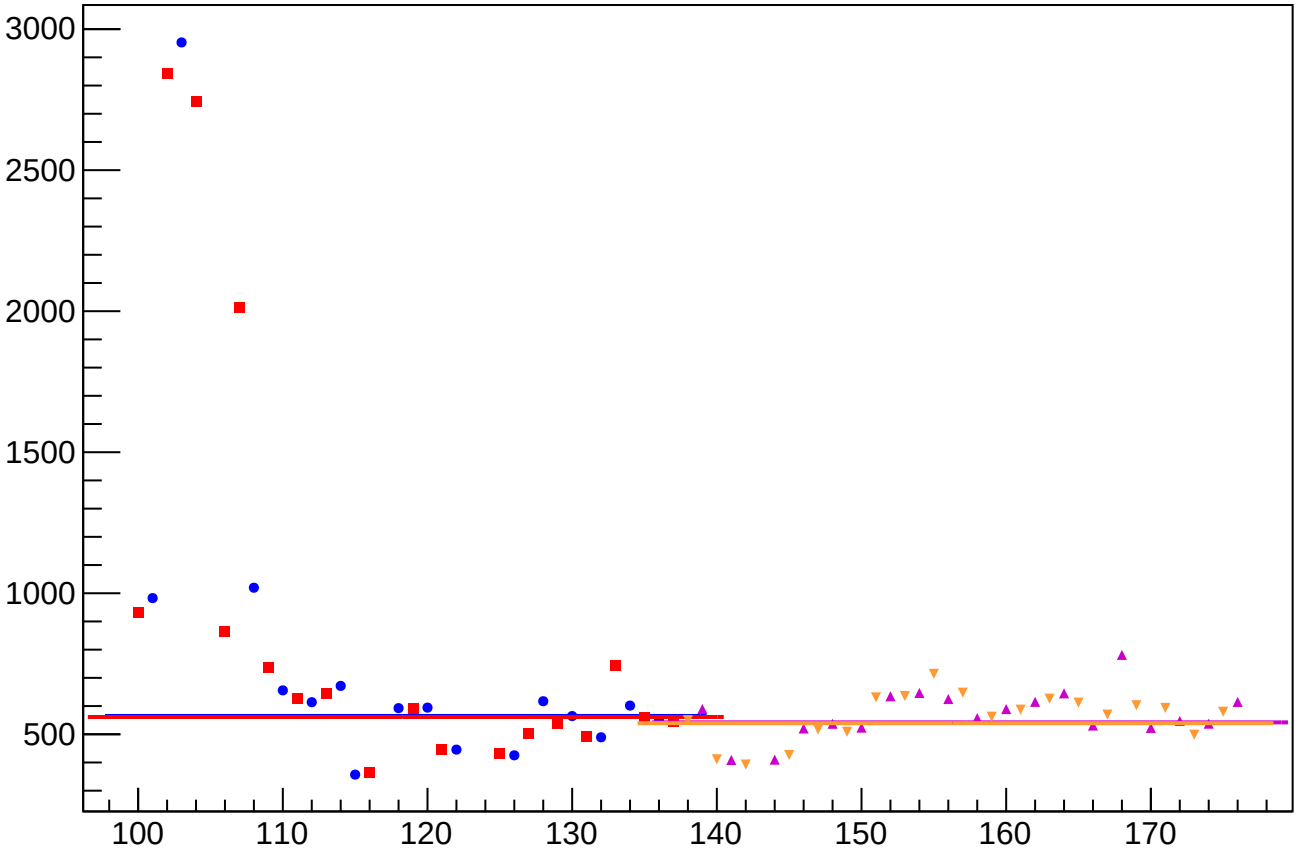
Left In: -158.265+/-139.502 χ^2/NDF:10.8/18

+ sign -471.647+/-119.269 χ^2/NDF: 85.6/34

All: -353.148+/-84.168 χ^2/NDF: 114.1/71

- sign -235.589+/-118.795 χ^2/NDF: 26.6/36

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 539.212+/-0.100 χ^2/NDF:740203.2/18

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

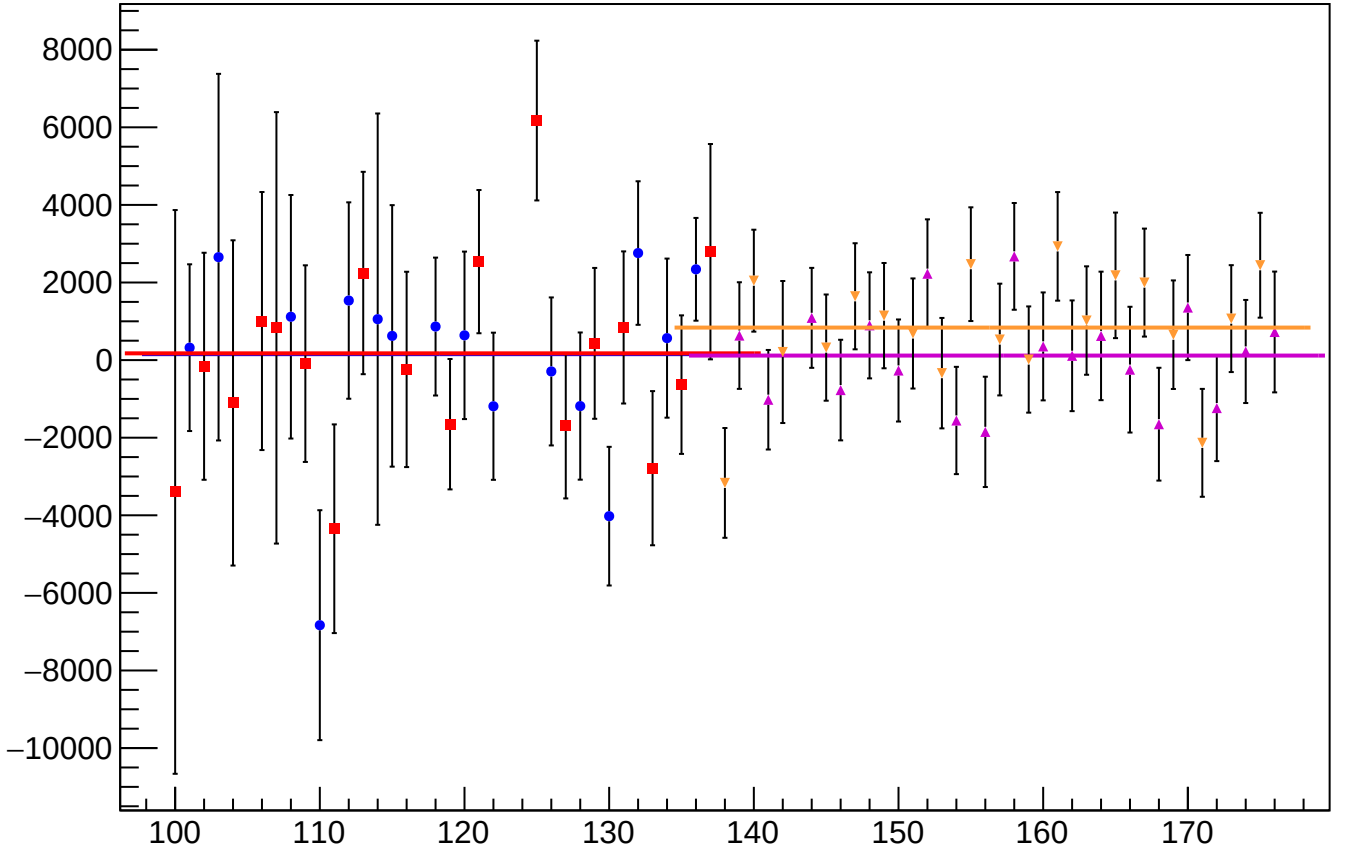
Left In: 542.206+/-0.099 χ^2/NDF:748330.8/18

+ sign 546.568+/-0.084 χ^2/NDF: 2239503.6/34

All: 547.009+/-0.060 χ^2/NDF: 5271529.6/71

- sign 547.446+/-0.084 χ^2/NDF: 3031971.5/36

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 838.108+/-324.711 χ^2/NDF:21.5/18

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

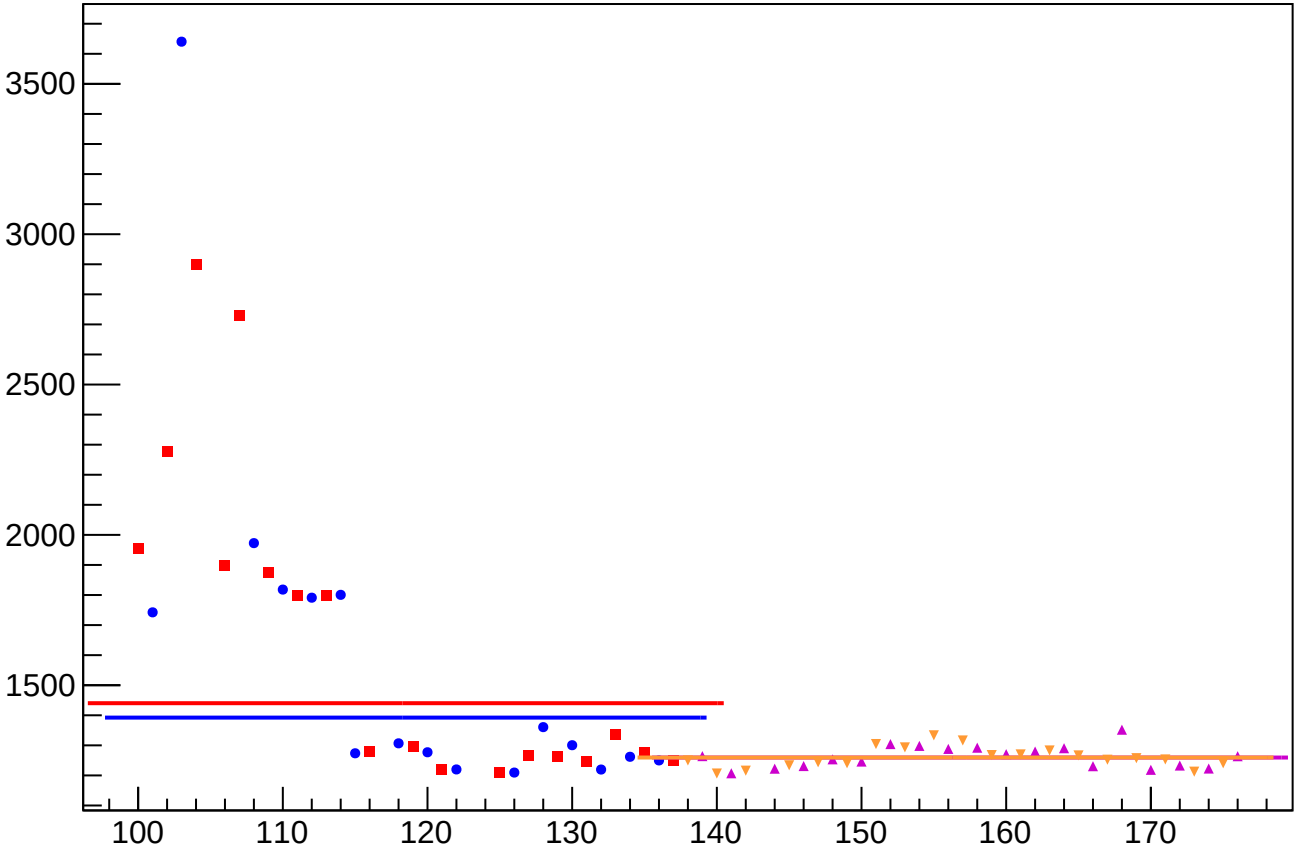
Left In: 116.794+/-319.629 χ^2/NDF:15.1/18

\+ sign 652.305+/-277.176 χ^2/NDF: 40.5/34

All: 391.050+/-195.708 χ^2/NDF: 77.0/71

\- sign 131.311+/-276.371 χ^2/NDF: 34.8/36

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1259.539+/-0.230 χ^2/NDF:20814.2/18

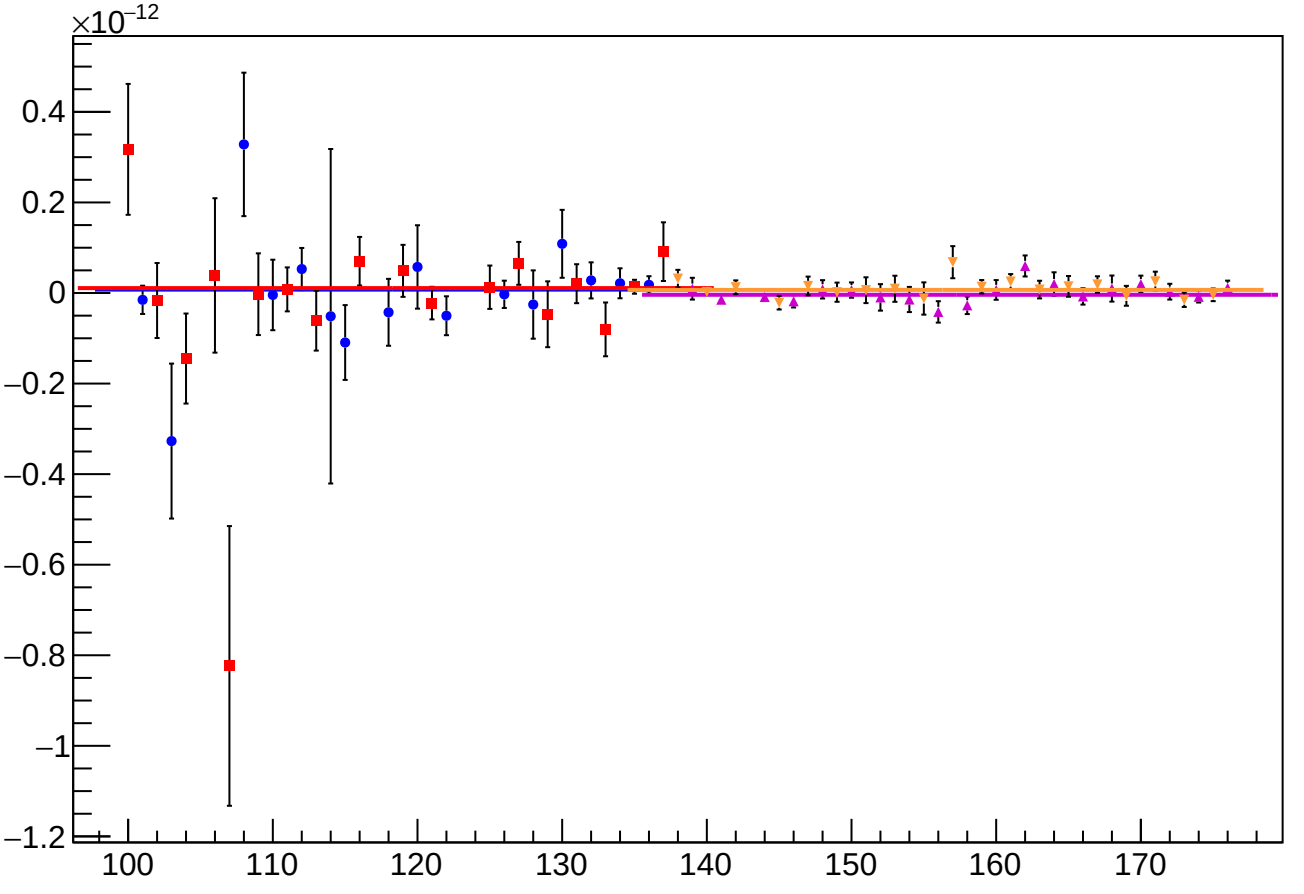
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1259.463+/-0.226 χ^2/NDF:25836.5/18

+ sign 1295.564+/-0.196 χ^2/NDF: 890774.2/34

All: 1300.335+/-0.138 χ^2/NDF: 1934097.8/71

- sign 1305.079+/-0.195 χ^2/NDF: 1042141.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

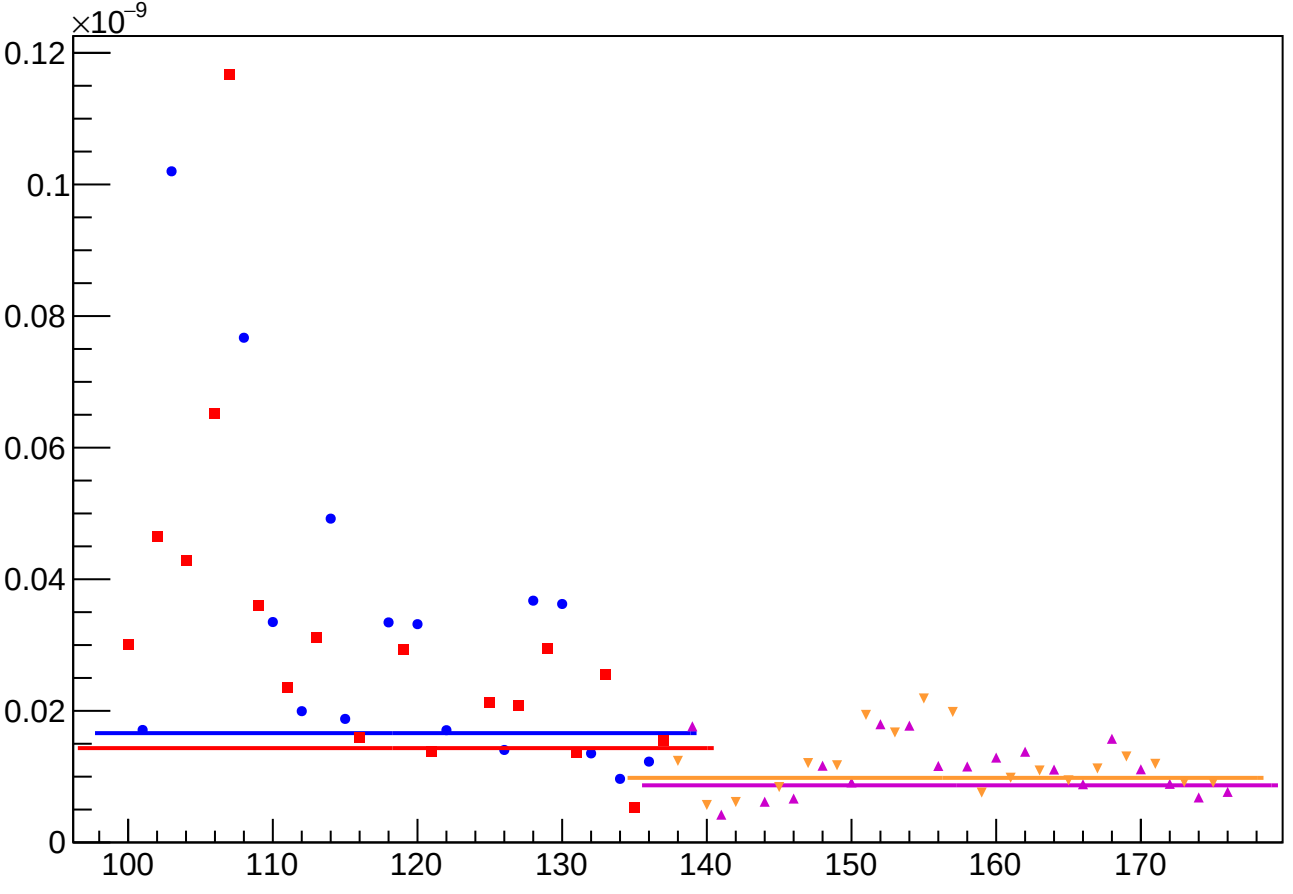
Left In: -0.000+/-0.000 χ^2/NDF:19.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 31.5/34

All: 0.000+/-0.000 χ^2/NDF: 79.6/71

- sign -0.000+/-0.000 χ^2/NDF: 45.2/36

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1351905.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

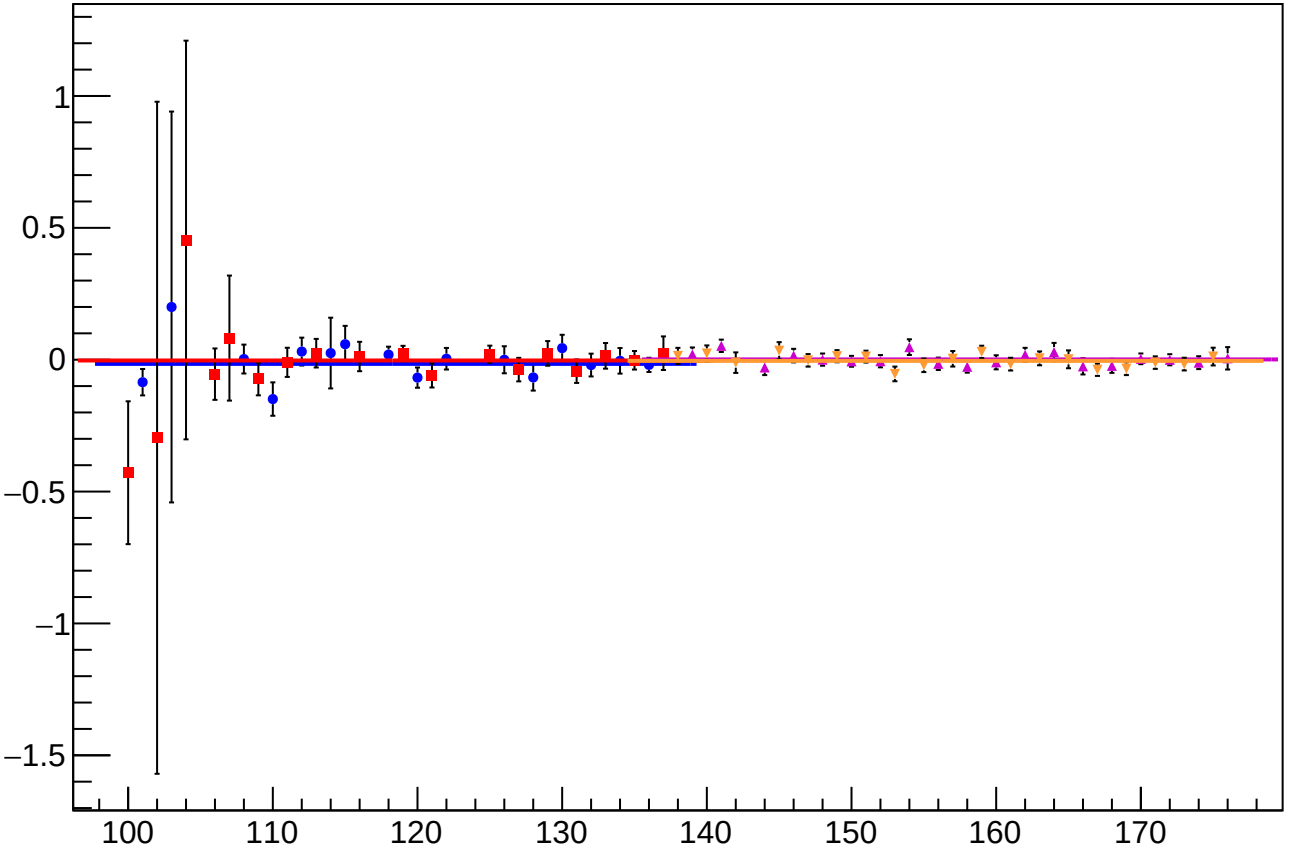
Left In: 0.000+/-0.000 χ^2/NDF:1813112.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 3606579.4/34

All: 0.000+/-0.000 χ^2/NDF: 8304738.7/71

- sign 0.000+/-0.000 χ^2/NDF: 4572804.3/36

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: -0.004+/-0.006 χ^2/NDF:14.1/18

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

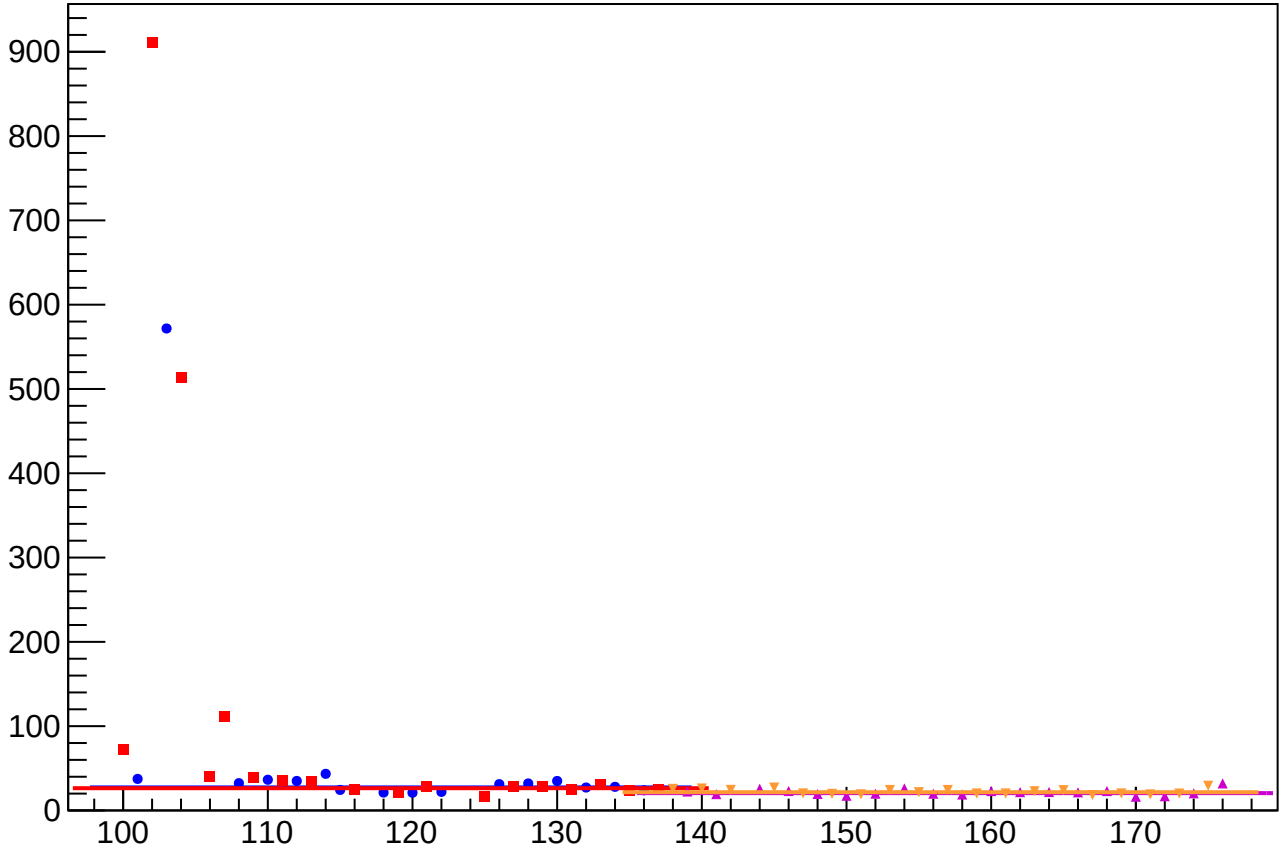
Left In: 0.001+/-0.006 χ^2/NDF:14.5/18

+ sign -0.007+/-0.005 χ^2/NDF: 29.4/34

All: -0.003+/-0.004 χ^2/NDF: 54.8/71

- sign 0.000+/-0.005 χ^2/NDF: 24.5/36

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: 21.652+/-0.004 χ^2/NDF:437117.6/18

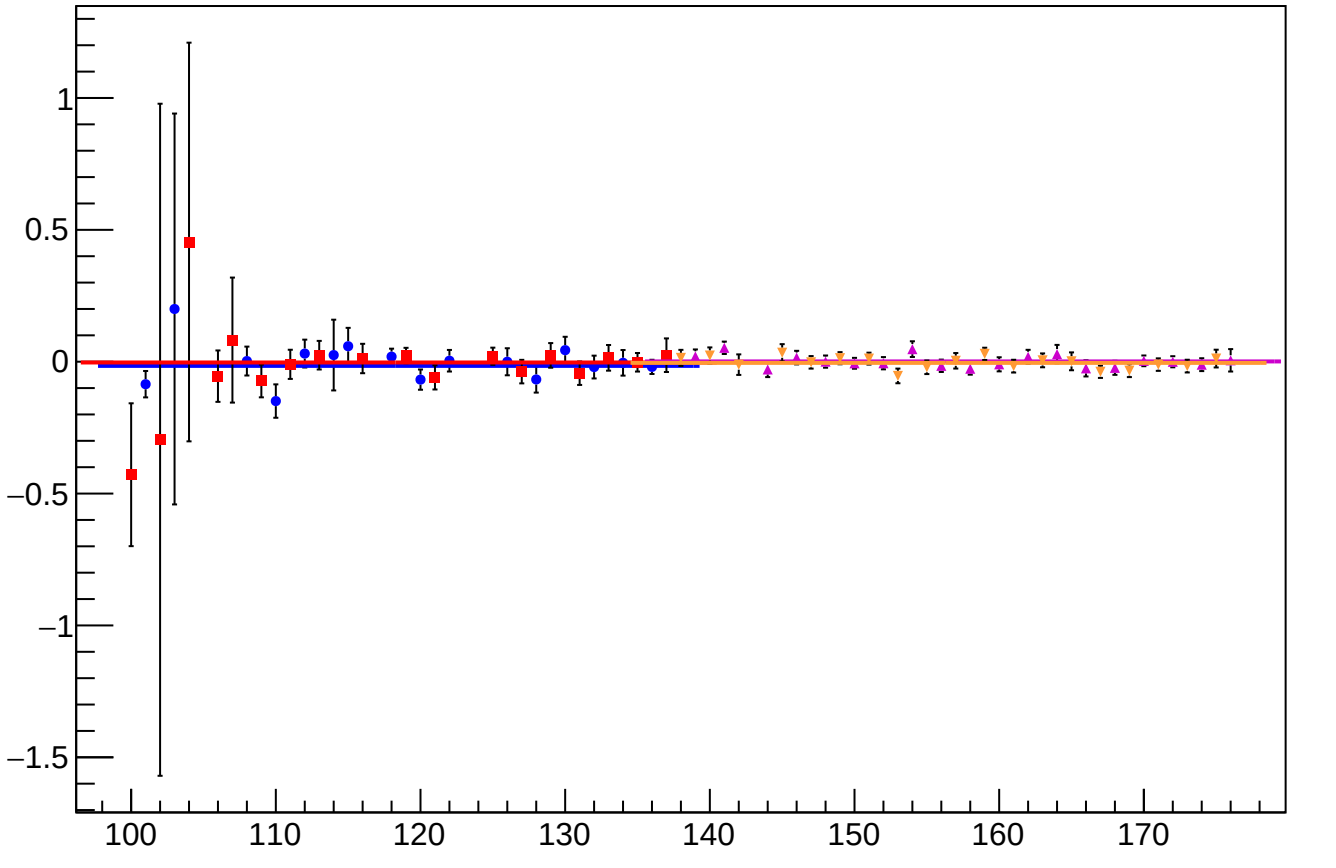
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.560+/-0.004 χ^2/NDF:571603.5/18

+ sign 22.877+/-0.004 χ^2/NDF: 2380080.9/34

All: 22.247+/-0.003 χ^2/NDF: 6002899.6/71

- sign 21.656+/-0.004 χ^2/NDF: 3569636.6/36



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:14.1/18

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

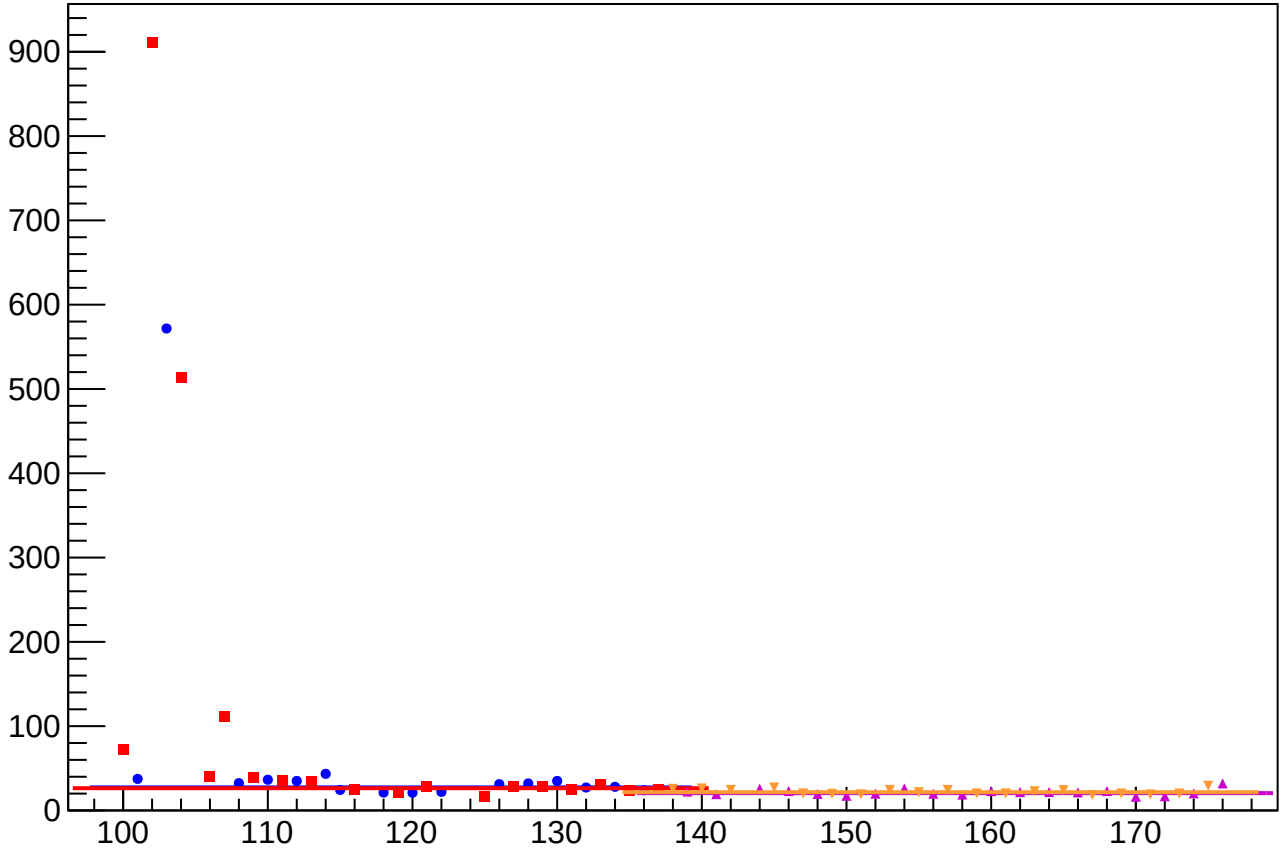
Left In: 0.001+/-0.006 χ^2/NDF:14.5/18

+ sign -0.007+/-0.005 χ^2/NDF: 29.4/34

All: -0.003+/-0.004 χ^2/NDF: 54.8/71

- sign 0.000+/-0.005 χ^2/NDF: 24.5/36

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: 21.652+/-0.004 χ^2/NDF:437117.6/18

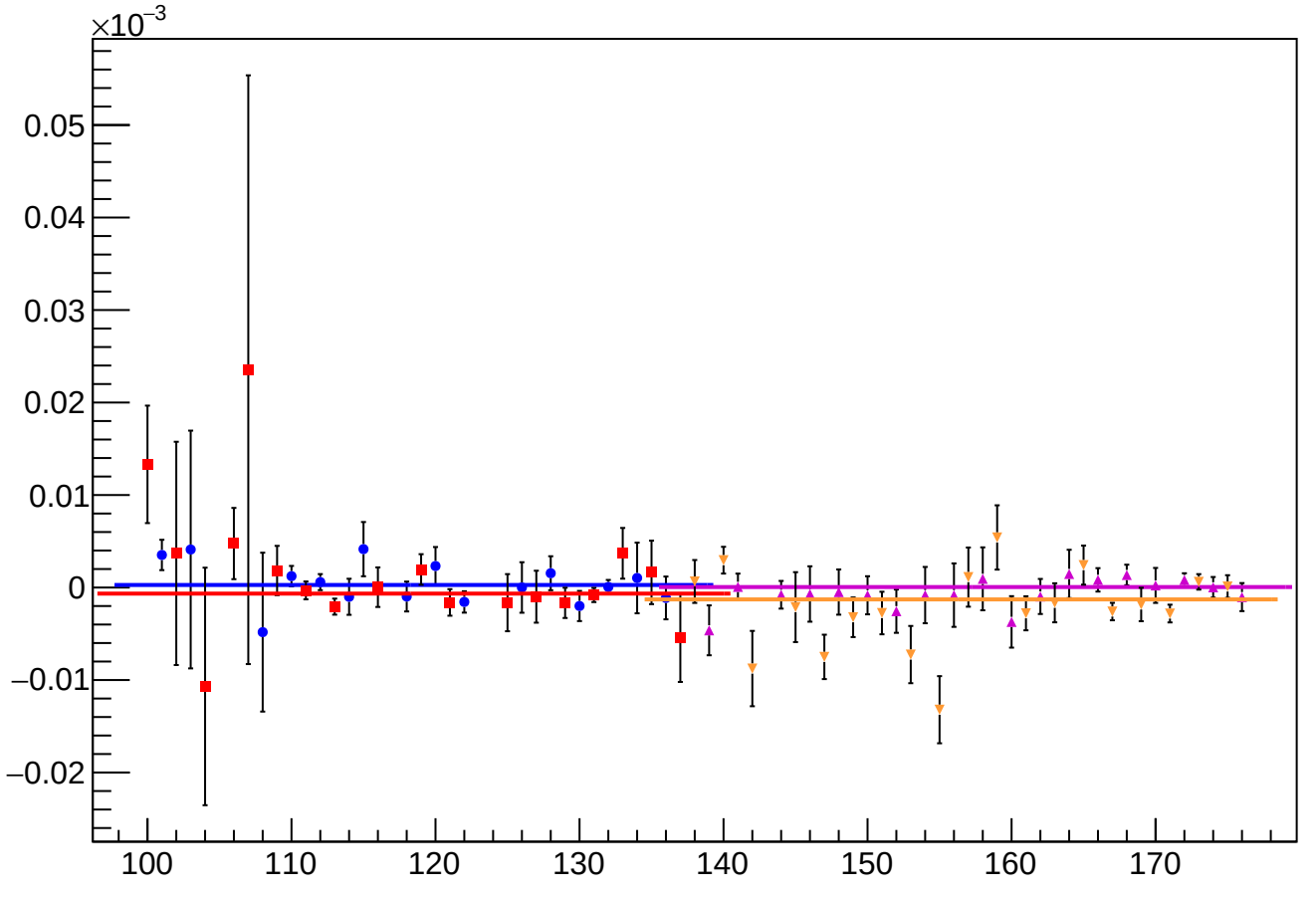
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.560+/-0.004 χ^2/NDF:571603.5/18

+ sign 22.877+/-0.004 χ^2/NDF: 2380080.9/34

All: 22.247+/-0.003 χ^2/NDF: 6002899.6/71

- sign 21.656+/-0.004 χ^2/NDF: 3569636.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:54.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

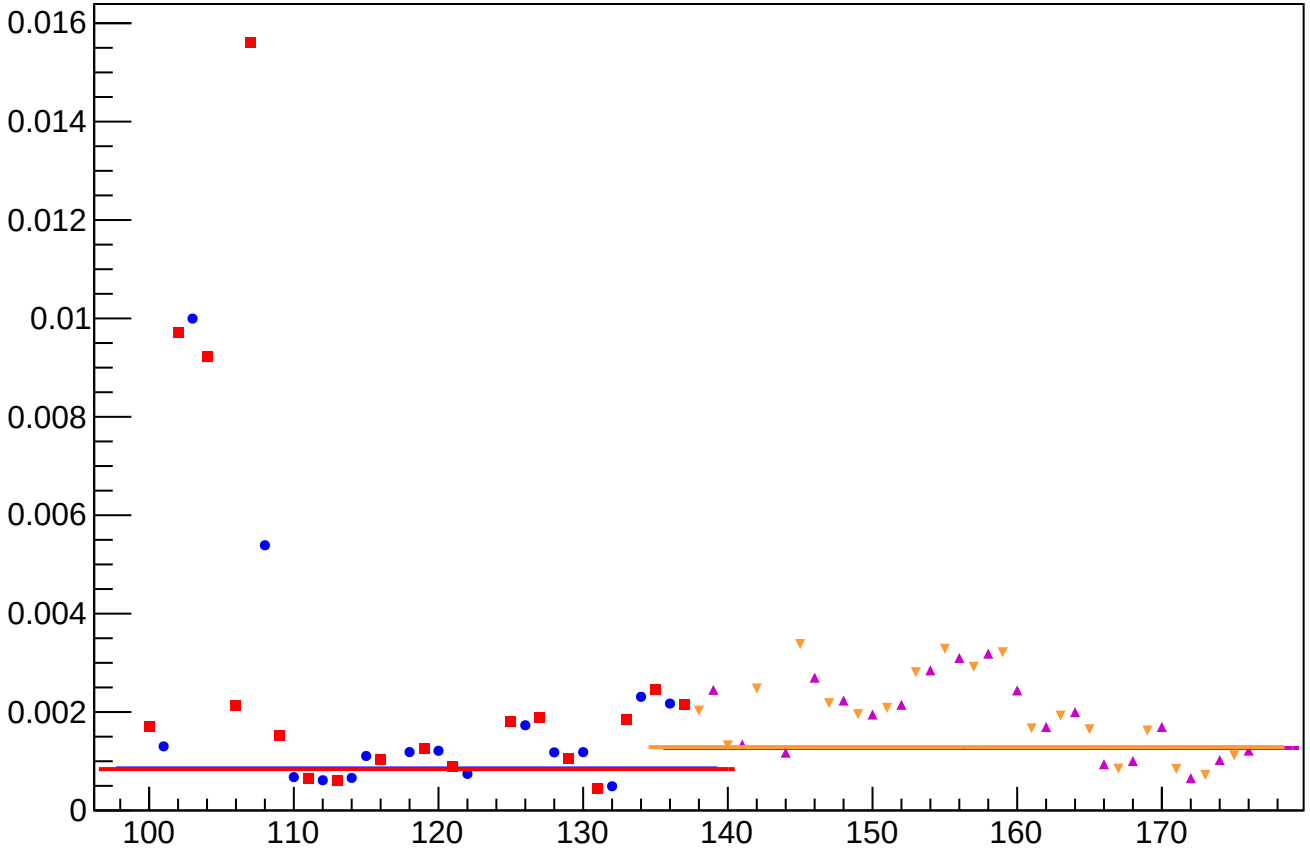
Left In: 0.000+/-0.000 χ^2/NDF:10.9/18

\+ sign -0.000+/-0.000 χ^2/NDF: 77.2/34

All: -0.000+/-0.000 χ^2/NDF: 109.5/71

\- sign -0.000+/-0.000 χ^2/NDF: 31.9/36

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: 0.001+/-0.000 χ^2/NDF:6133232.8/18

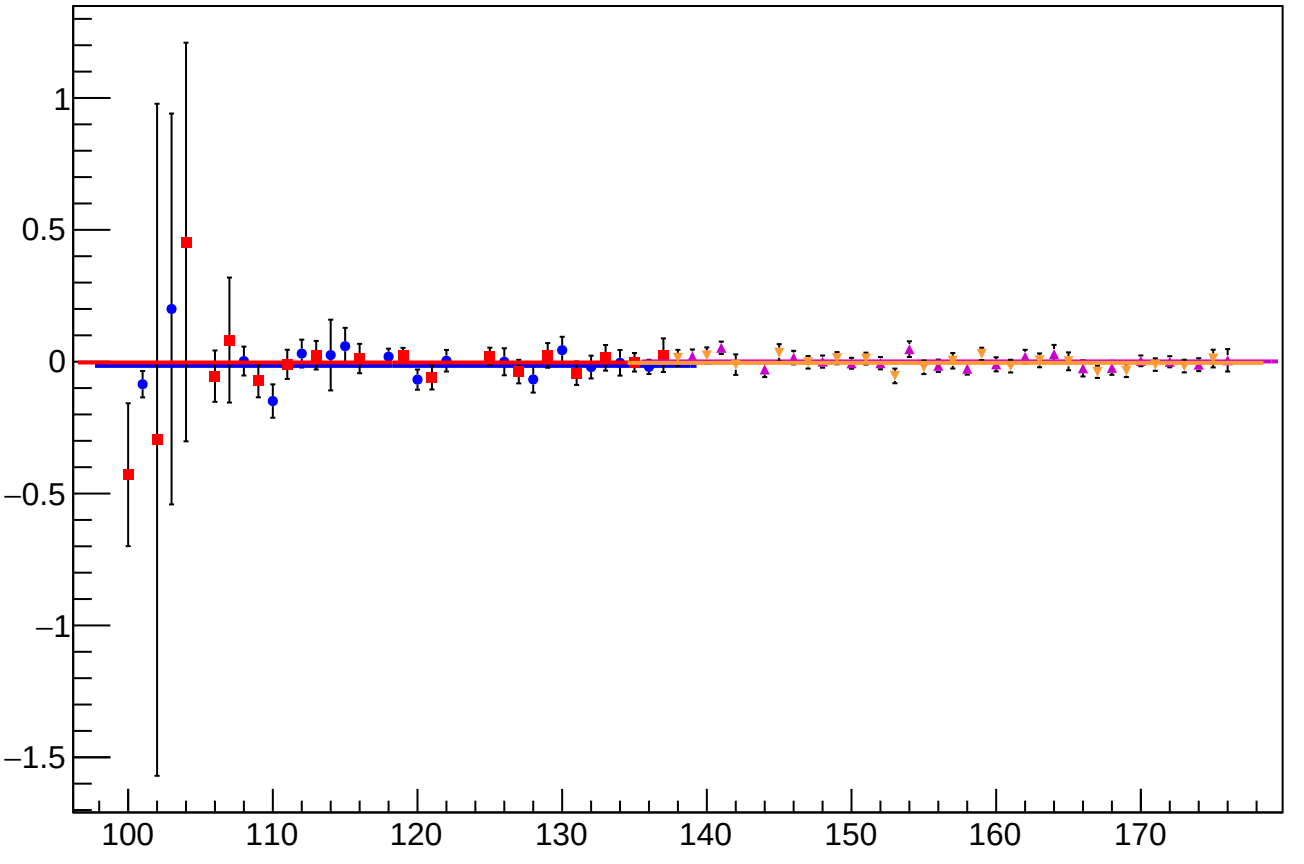
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:5866679.5/18

+ sign 0.001+/-0.000 χ^2/NDF: 11332428.2/34

All: 0.001+/-0.000 χ^2/NDF: 23493116.9/71

- sign 0.001+/-0.000 χ^2/NDF: 12160616.1/36



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:14.1/18

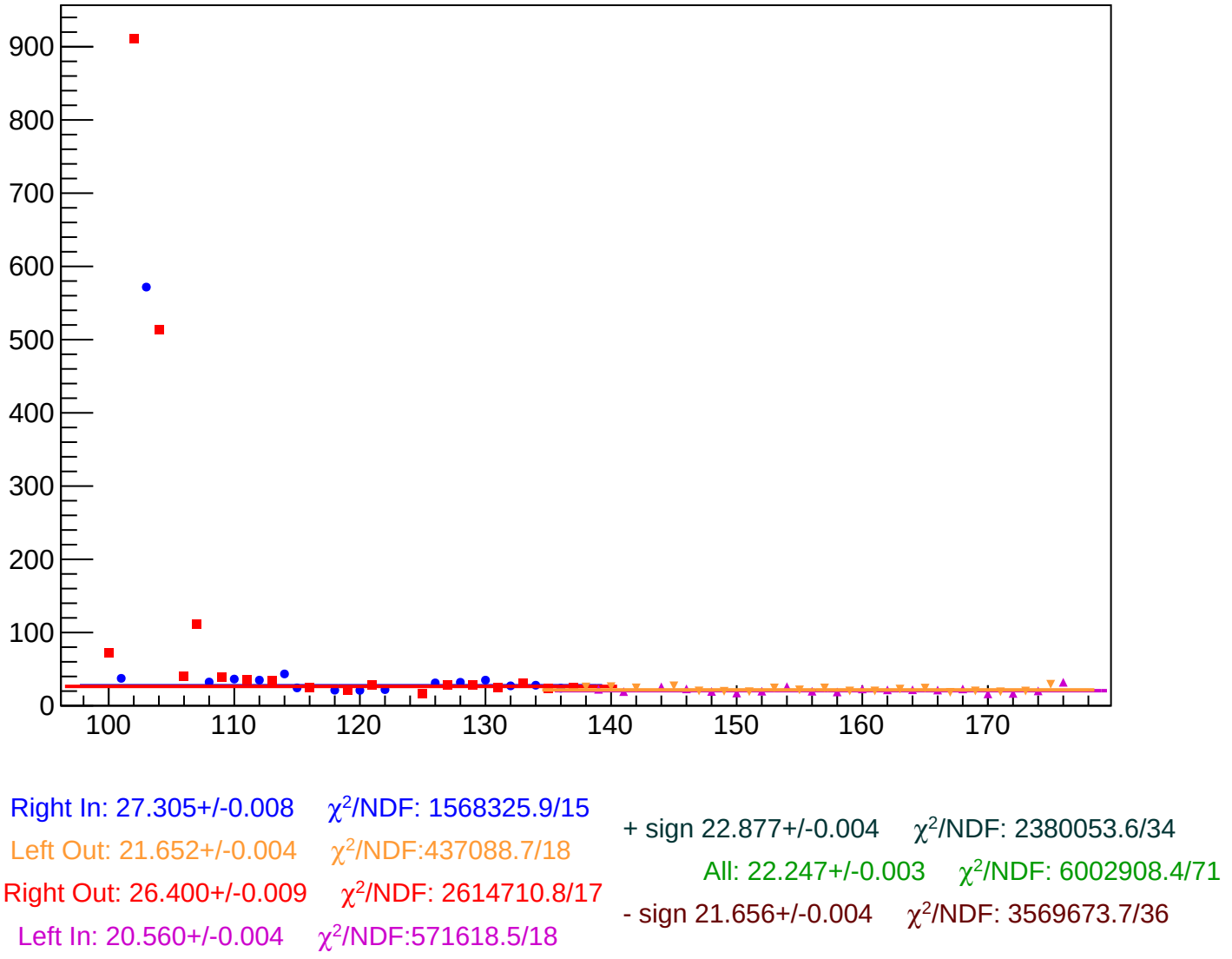
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

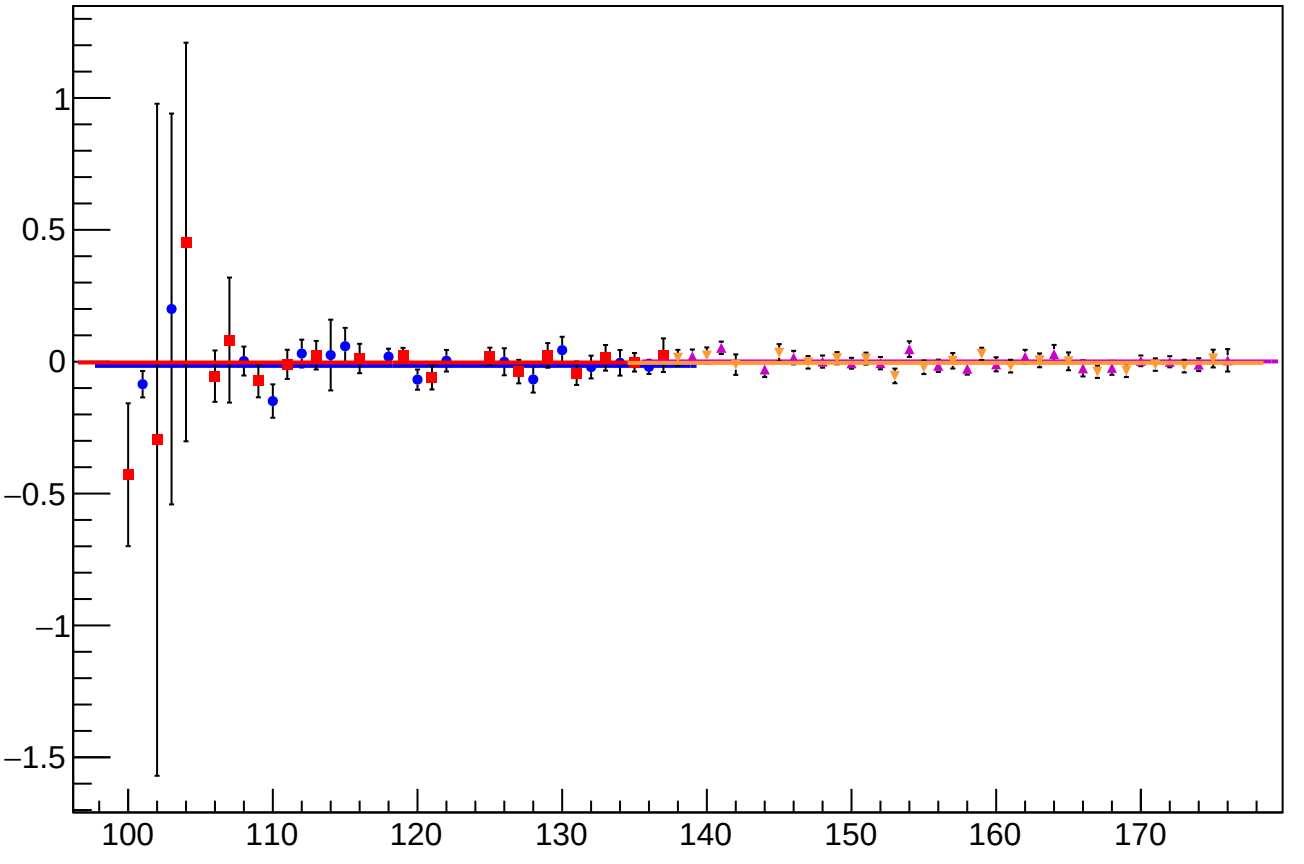
Left In: 0.001+/-0.006 χ^2/NDF:14.5/18

+ sign -0.007+/-0.005 χ^2/NDF: 29.4/34

All: -0.003+/-0.004 χ^2/NDF: 54.8/71

- sign 0.000+/-0.005 χ^2/NDF: 24.5/36


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 21.652+/-0.004 χ²/NDF:437088.7/18
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 20.560+/-0.004 χ²/NDF:571618.5/18
+ sign 22.877+/-0.004 χ²/NDF: 2380053.6/34
All: 22.247+/-0.003 χ²/NDF: 6002908.4/71
- sign 21.656+/-0.004 χ²/NDF: 3569673.7/36



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:14.1/18

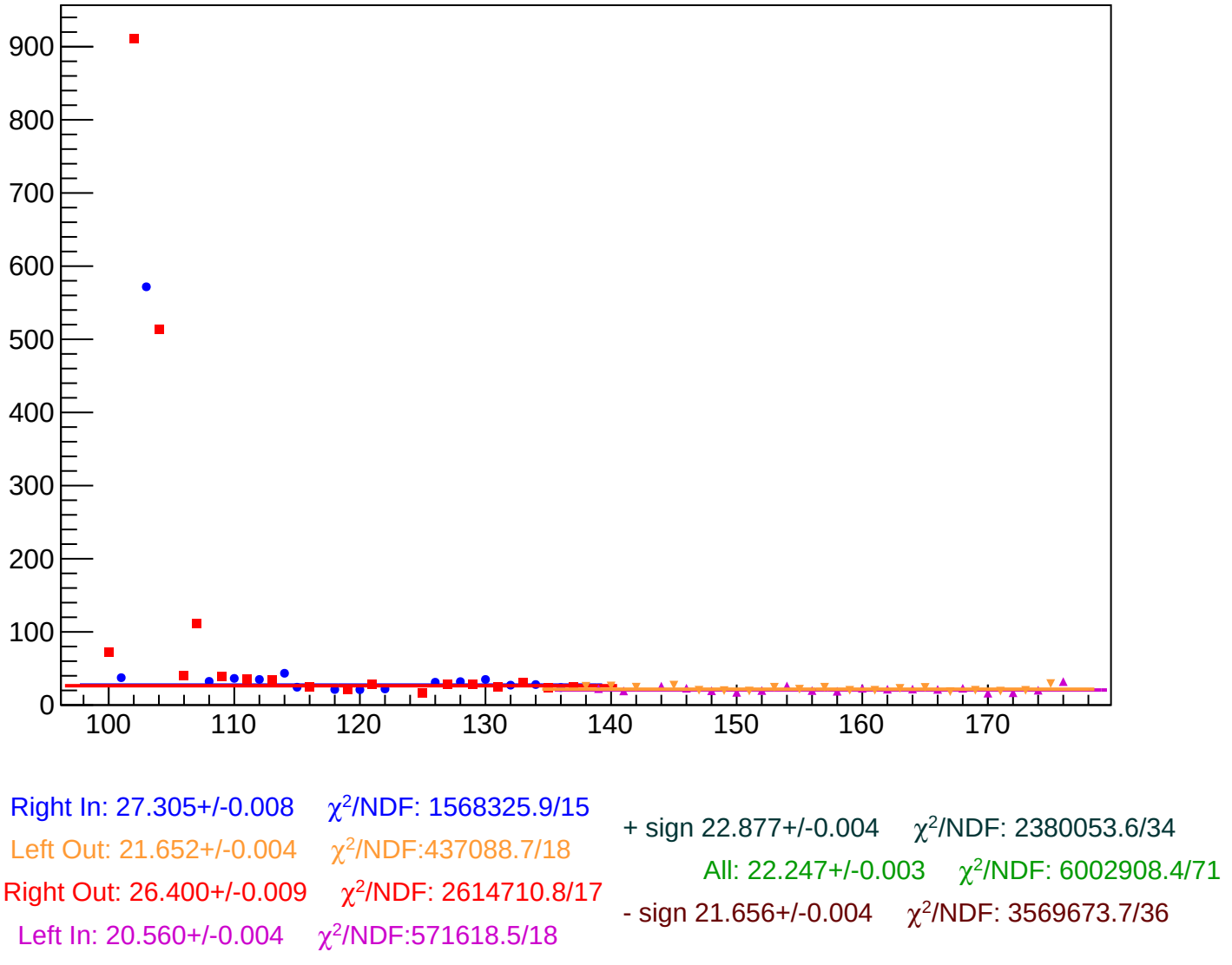
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

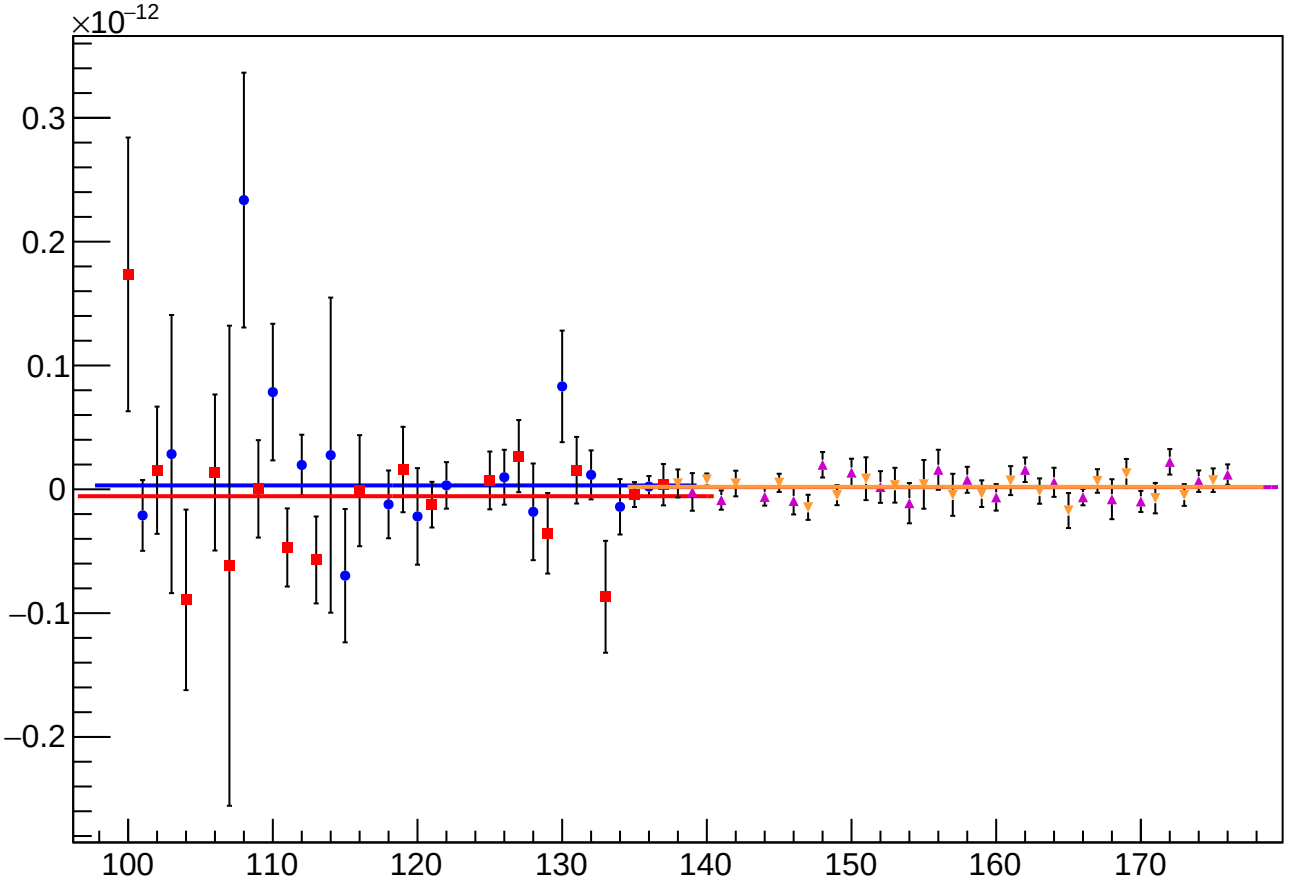
Left In: 0.001+/-0.006 χ^2/NDF:14.5/18

+ sign -0.007+/-0.005 χ^2/NDF: 29.4/34

All: -0.003+/-0.004 χ^2/NDF: 54.8/71

- sign 0.000+/-0.005 χ^2/NDF: 24.5/36


asym_usl_atl1_dd_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
160
170
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 21.652+/-0.004 χ²/NDF:437088.7/18
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 20.560+/-0.004 χ²/NDF:571618.5/18
+ sign 22.877+/-0.004 χ²/NDF: 2380053.6/34
All: 22.247+/-0.003 χ²/NDF: 6002908.4/71
- sign 21.656+/-0.004 χ²/NDF: 3569673.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/18

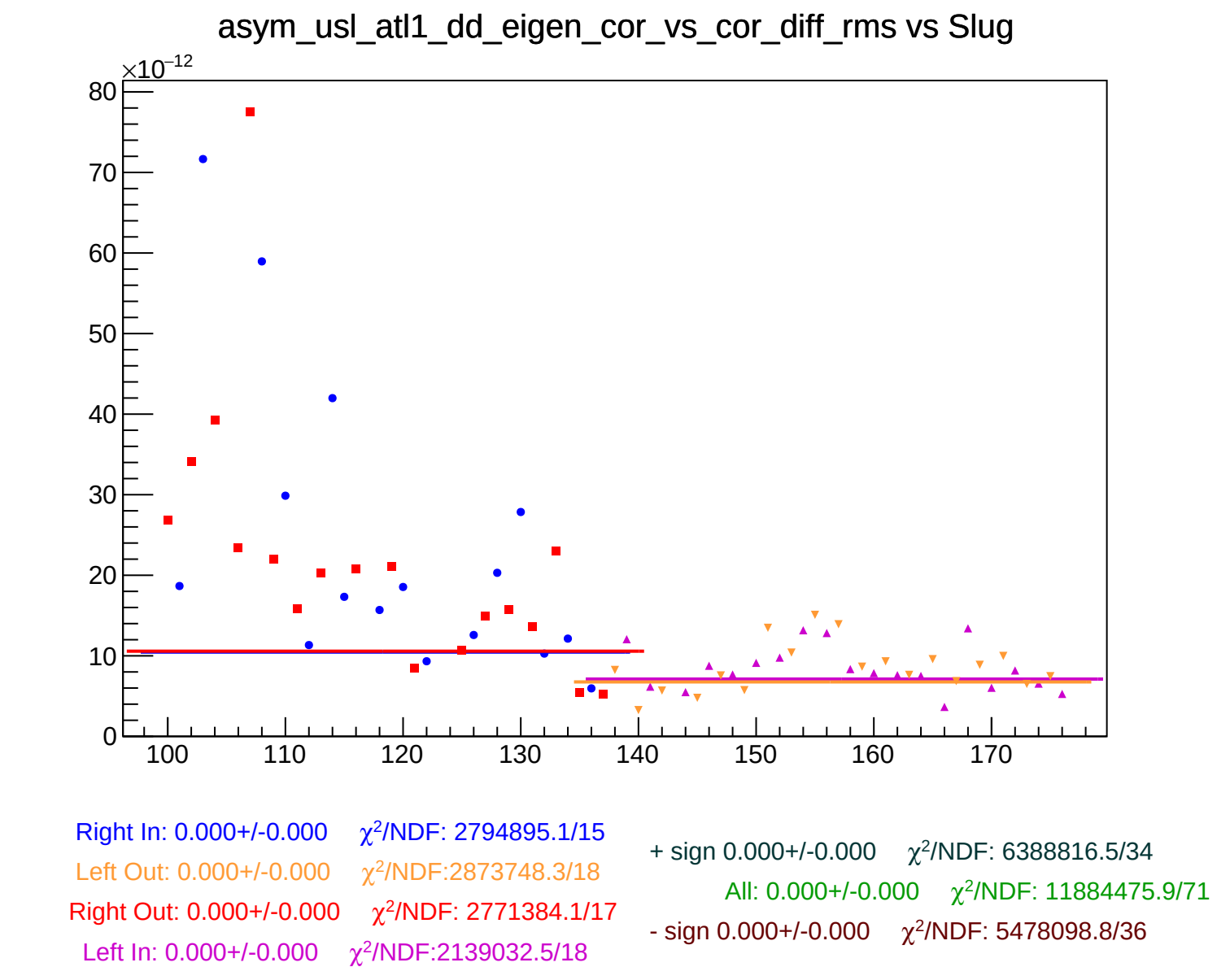
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:22.2/18

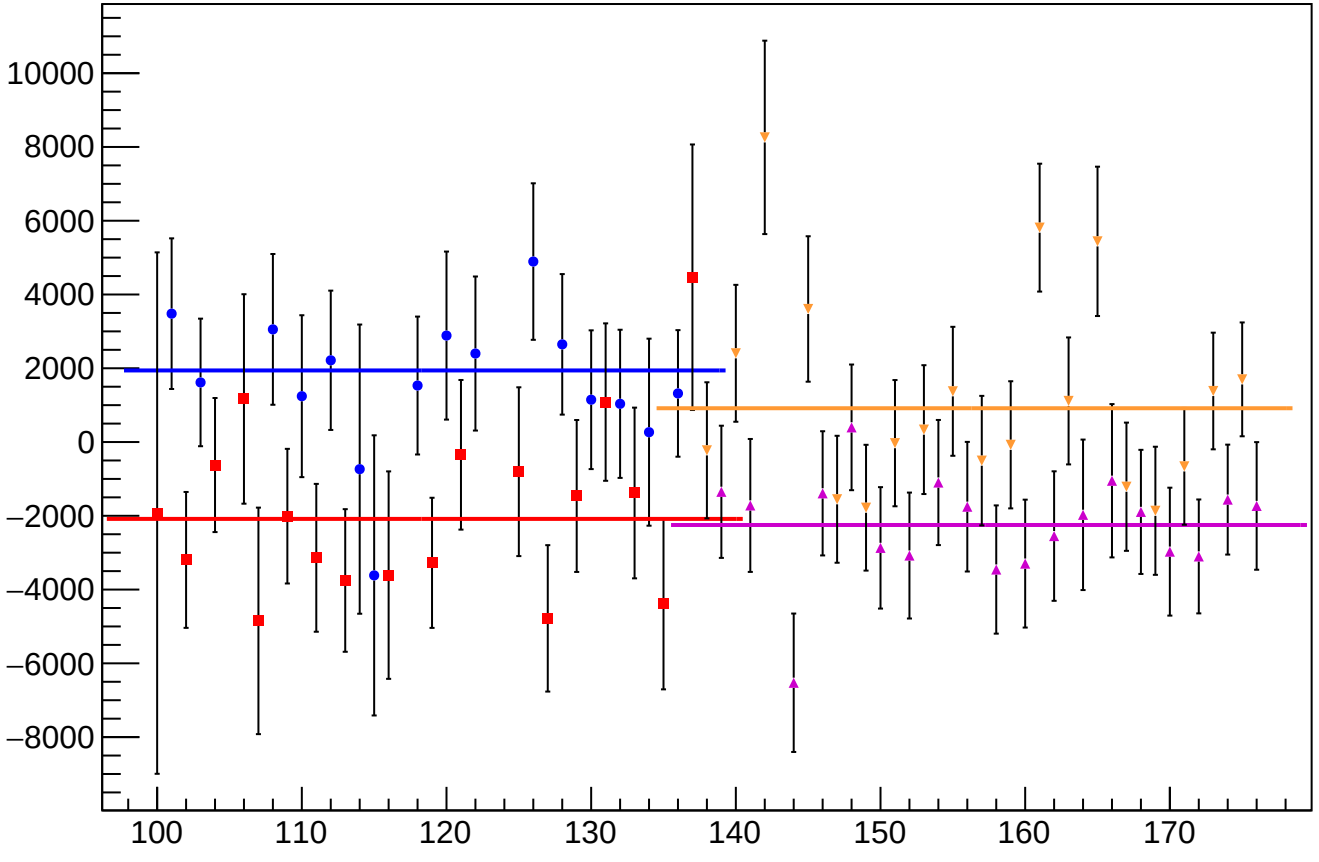
+ sign 0.000+/-0.000 χ^2/NDF: 25.4/34

All: 0.000+/-0.000 χ^2/NDF: 64.3/71

- sign 0.000+/-0.000 χ^2/NDF: 38.7/36


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
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2873748.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:2139032.5/18
+ sign 0.000+/-0.000 χ²/NDF: 6388816.5/34
All: 0.000+/-0.000 χ²/NDF: 11884475.9/71
- sign 0.000+/-0.000 χ²/NDF: 5478098.8/36

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 916.287+/-404.198 χ^2/NDF:35.1/18

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

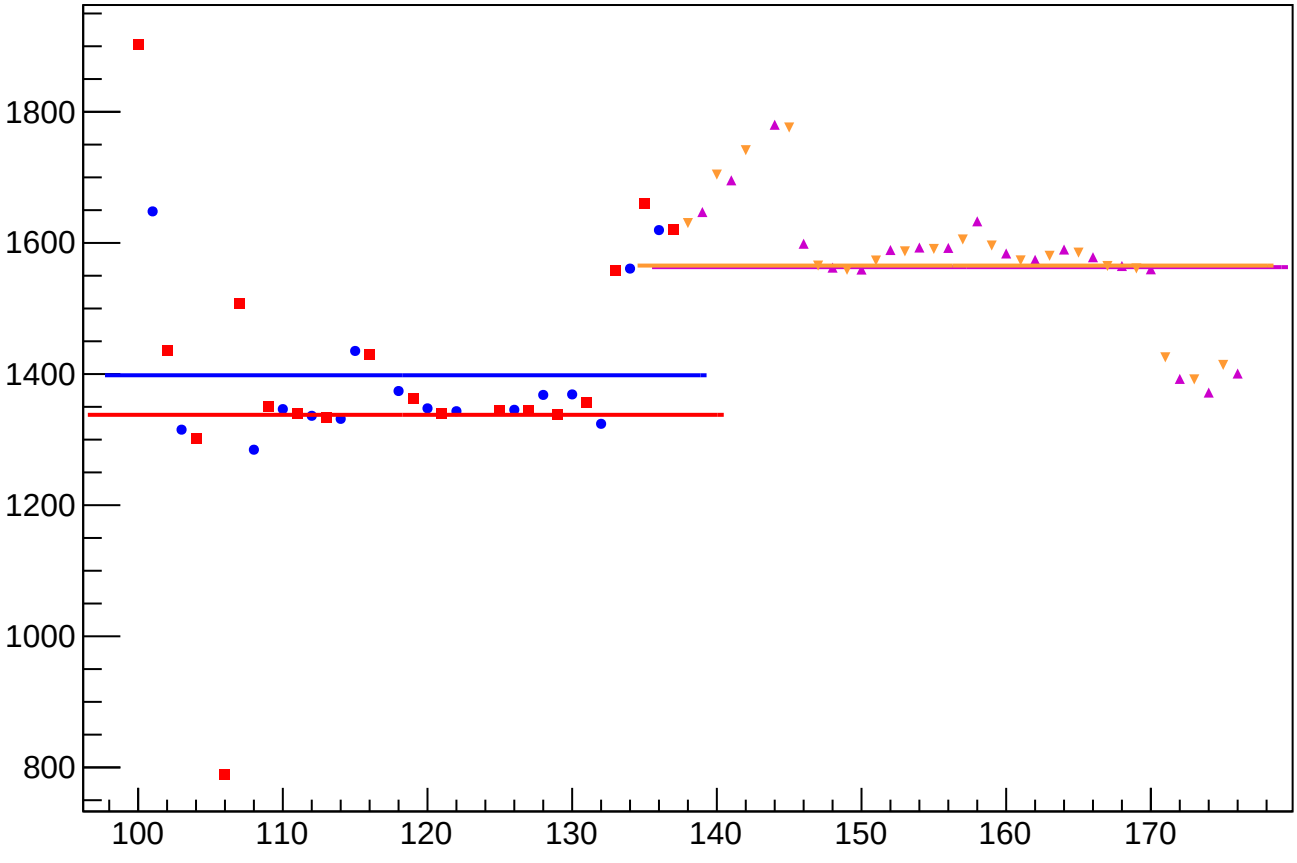
Left In: -2249.125+/-397.354 χ^2/NDF:11.2/18

+ sign 1300.217+/-319.628 χ^2/NDF: 44.5/34

All: -465.910+/-224.586 χ^2/NDF: 130.5/71

- sign -2188.172+/-315.634 χ^2/NDF: 25.7/36

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1565.479+/-0.286 χ^2/NDF:107333.5/18

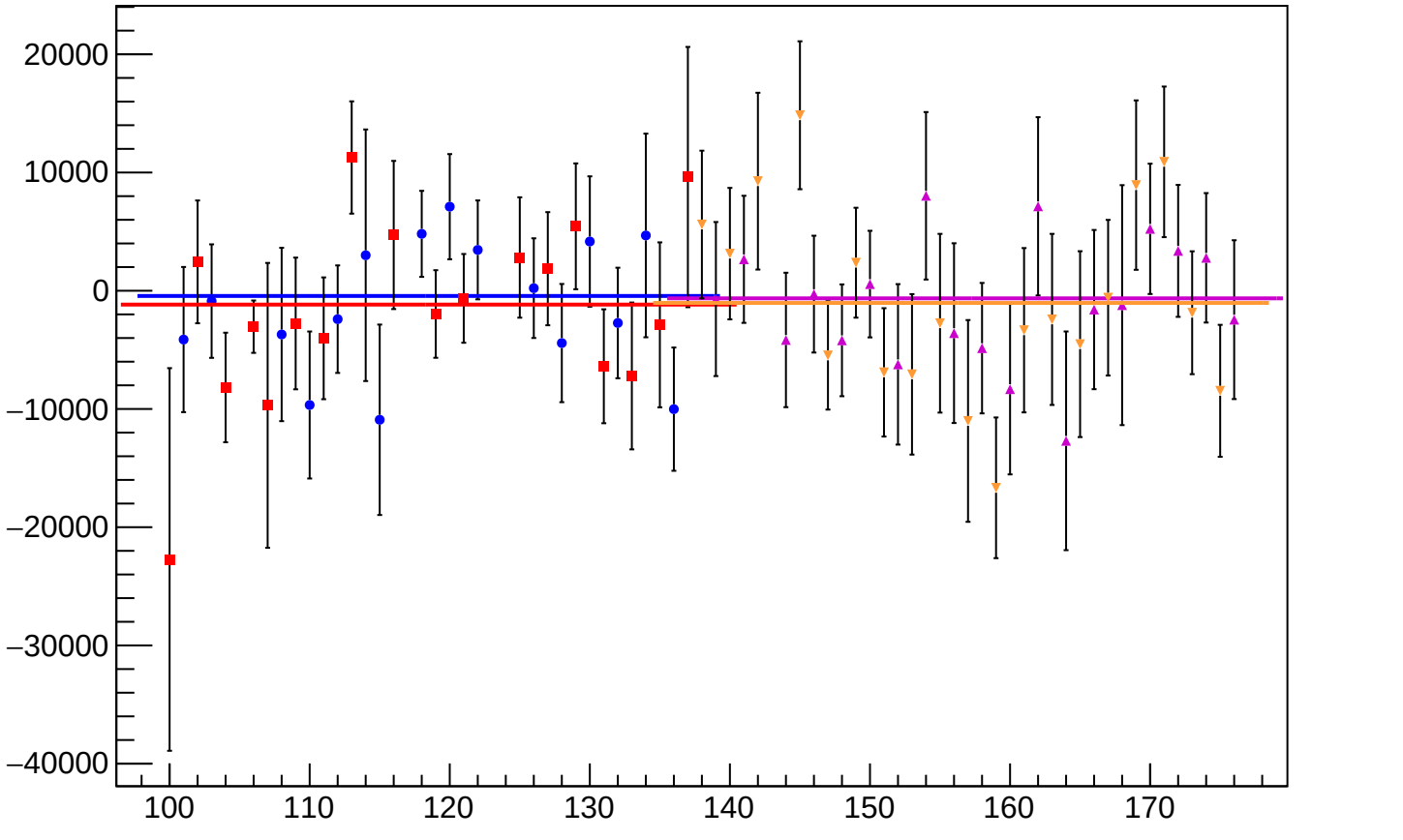
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1563.077+/-0.281 χ^2/NDF:123538.2/18

+ sign 1502.788+/-0.226 χ^2/NDF: 329663.4/34

All: 1489.368+/-0.158 χ^2/NDF: 1024625.8/71

- sign 1476.590+/-0.221 χ^2/NDF: 688079.4/36



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1031.908+/-1410.250 χ^2/NDF:29.4/18

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

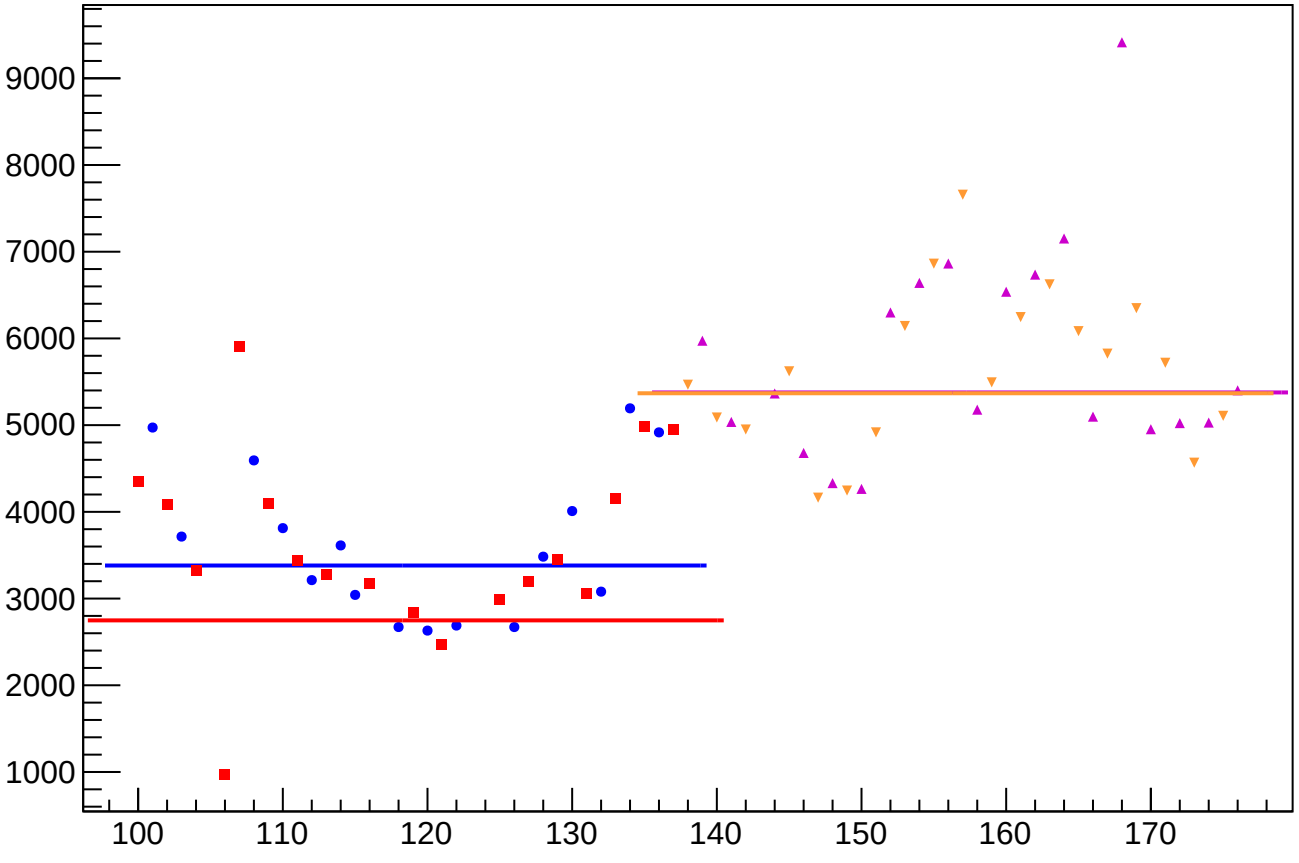
Left In: -642.761+/-1391.293 χ^2/NDF:10.4/18

+ sign -711.608+/-954.215 χ^2/NDF: 45.4/34

All: -848.895+/-643.859 χ^2/NDF: 75.5/71

- sign -963.645+/-872.386 χ^2/NDF: 30.1/36

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5367.608+/-0.997 χ^2/NDF:746686.8/18

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

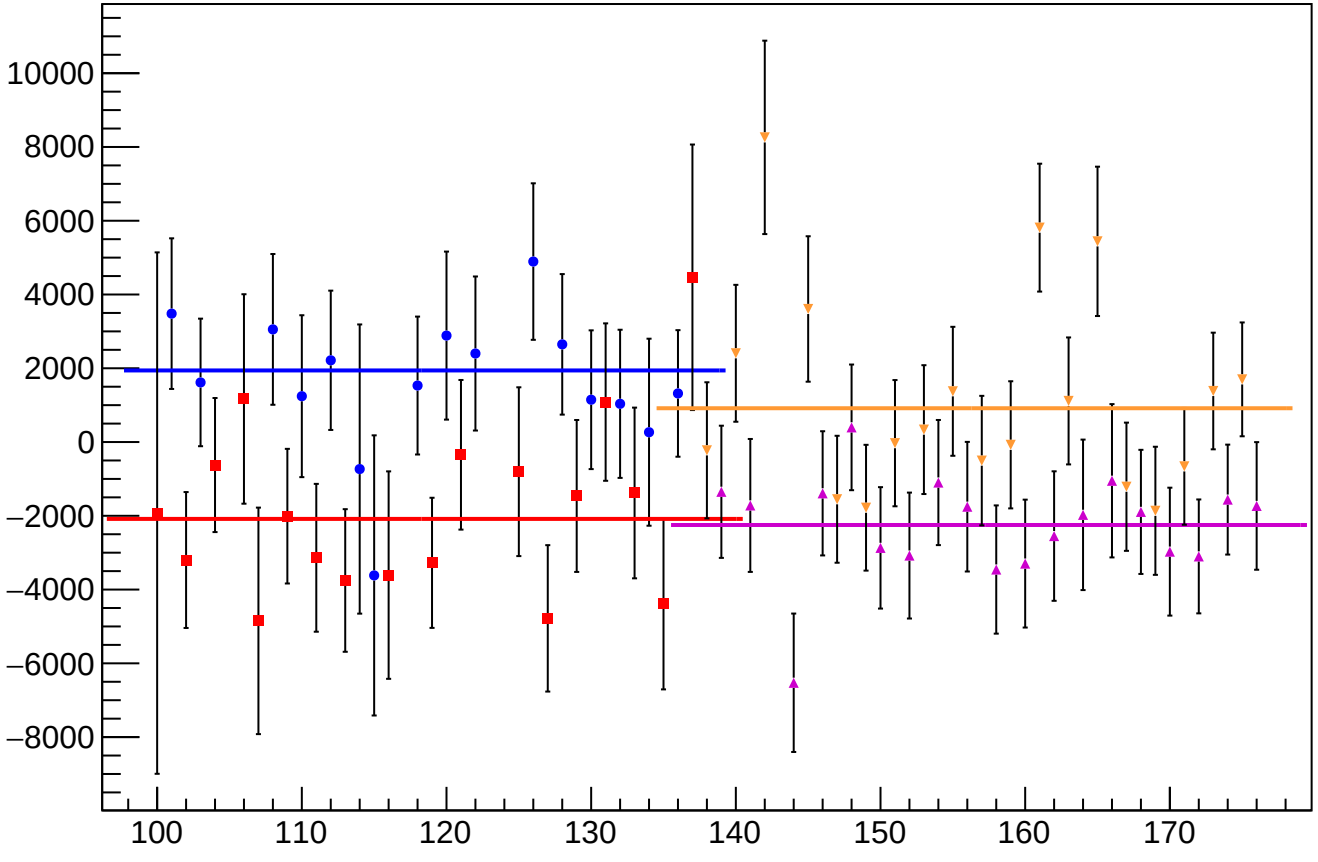
Left In: 5377.103+/-0.984 χ^2/NDF:1002412.6/18

+ sign 4290.584+/-0.675 χ^2/NDF: 3655373.6/34

All: 4013.505+/-0.455 χ^2/NDF: 11564571.8/7

- sign 3781.910+/-0.617 χ^2/NDF: 7599612.7/36

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 916.318+/-404.198 χ^2/NDF:35.1/18

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

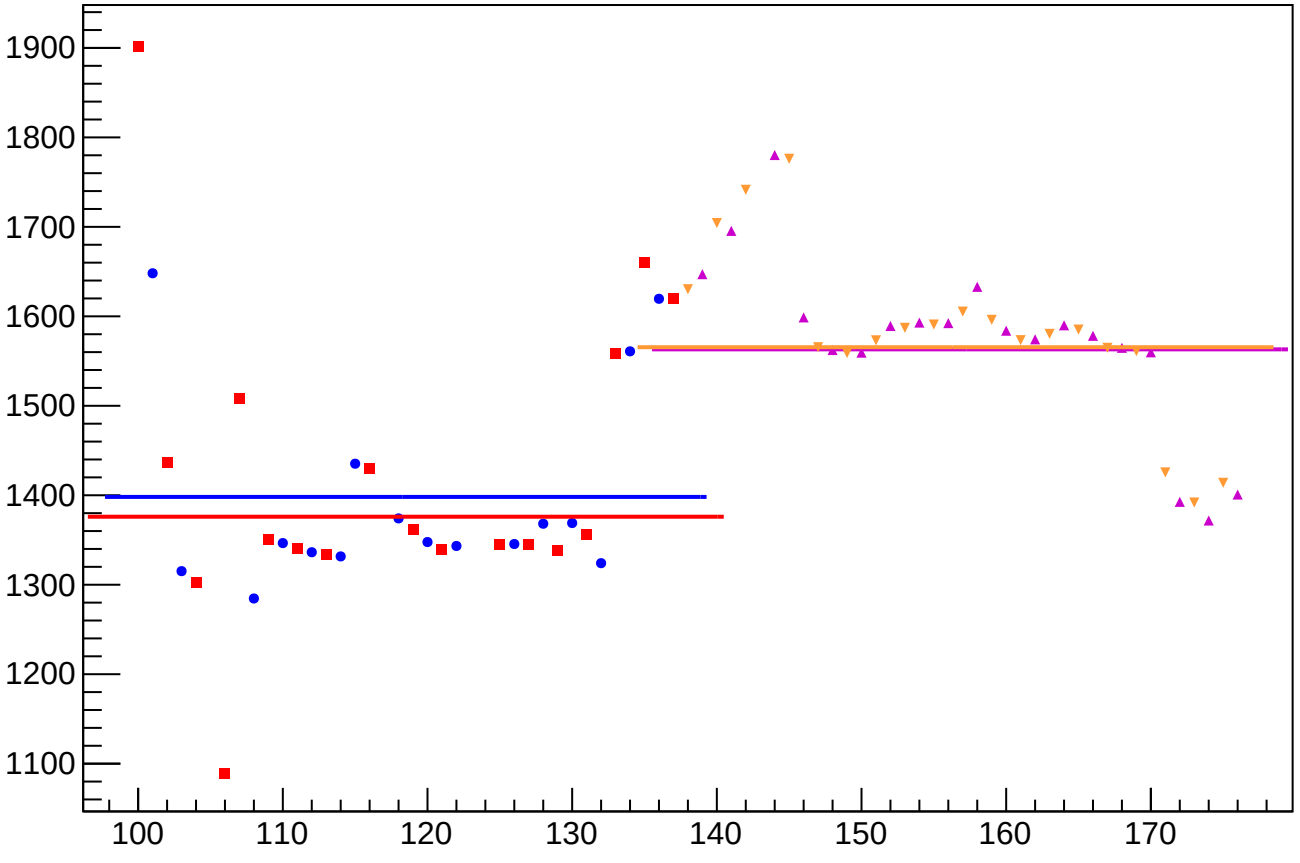
Left In: -2249.179+/-397.354 χ^2/NDF:11.2/18

+ sign 1300.257+/-319.628 χ^2/NDF: 44.5/34

All: -465.944+/-224.586 χ^2/NDF: 130.5/71

- sign -2188.285+/-315.635 χ^2/NDF: 25.7/36

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1565.479+/-0.286 χ^2/NDF:107333.5/18

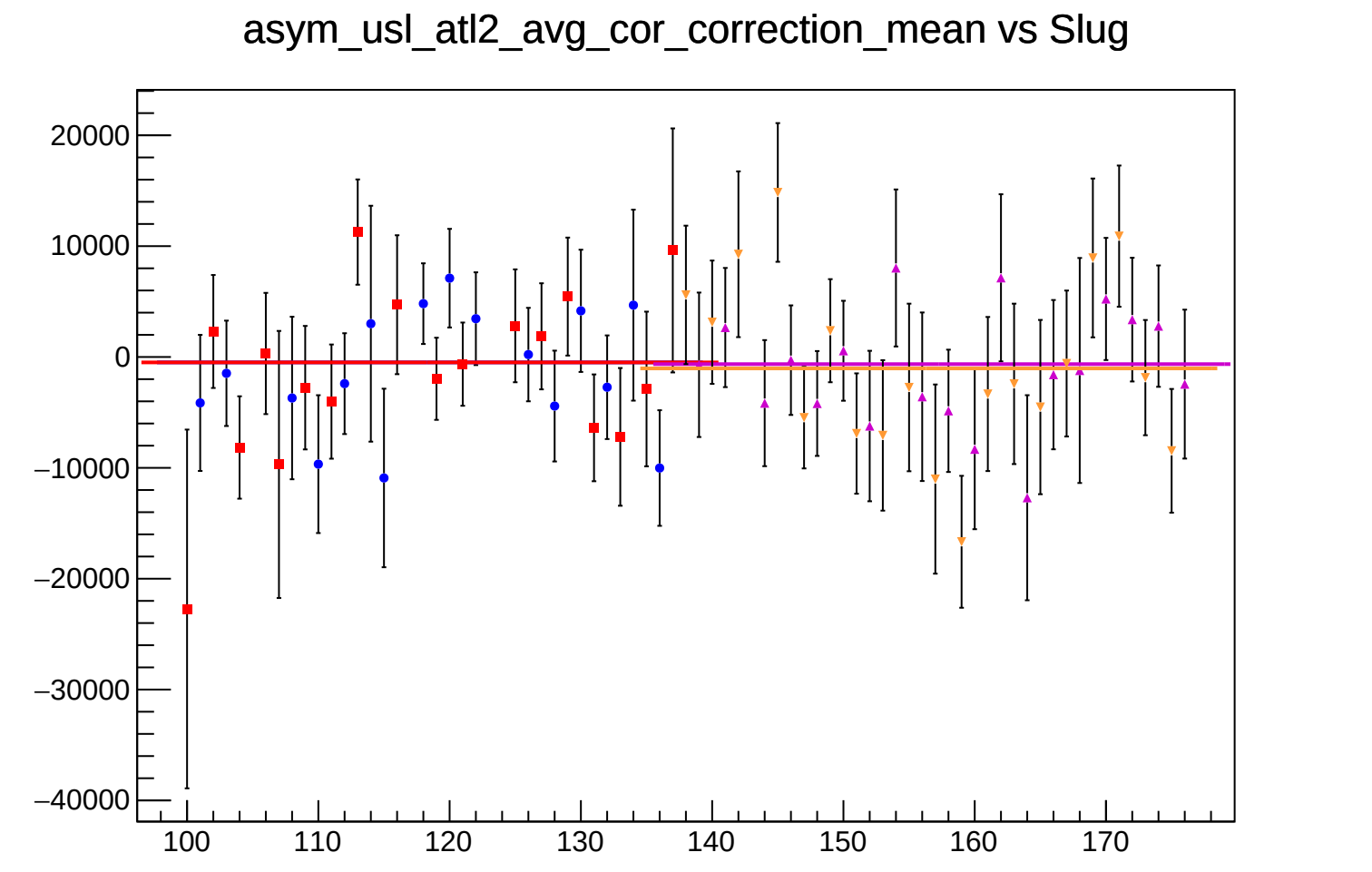
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1563.077+/-0.281 χ^2/NDF:123538.1/18

+ sign 1502.788+/-0.226 χ^2/NDF: 329663.6/34

All: 1497.747+/-0.158 χ^2/NDF: 734542.4/71

- sign 1492.880+/-0.222 χ^2/NDF: 403900.9/36



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1031.929+/-1410.251 χ^2/NDF:29.4/18

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

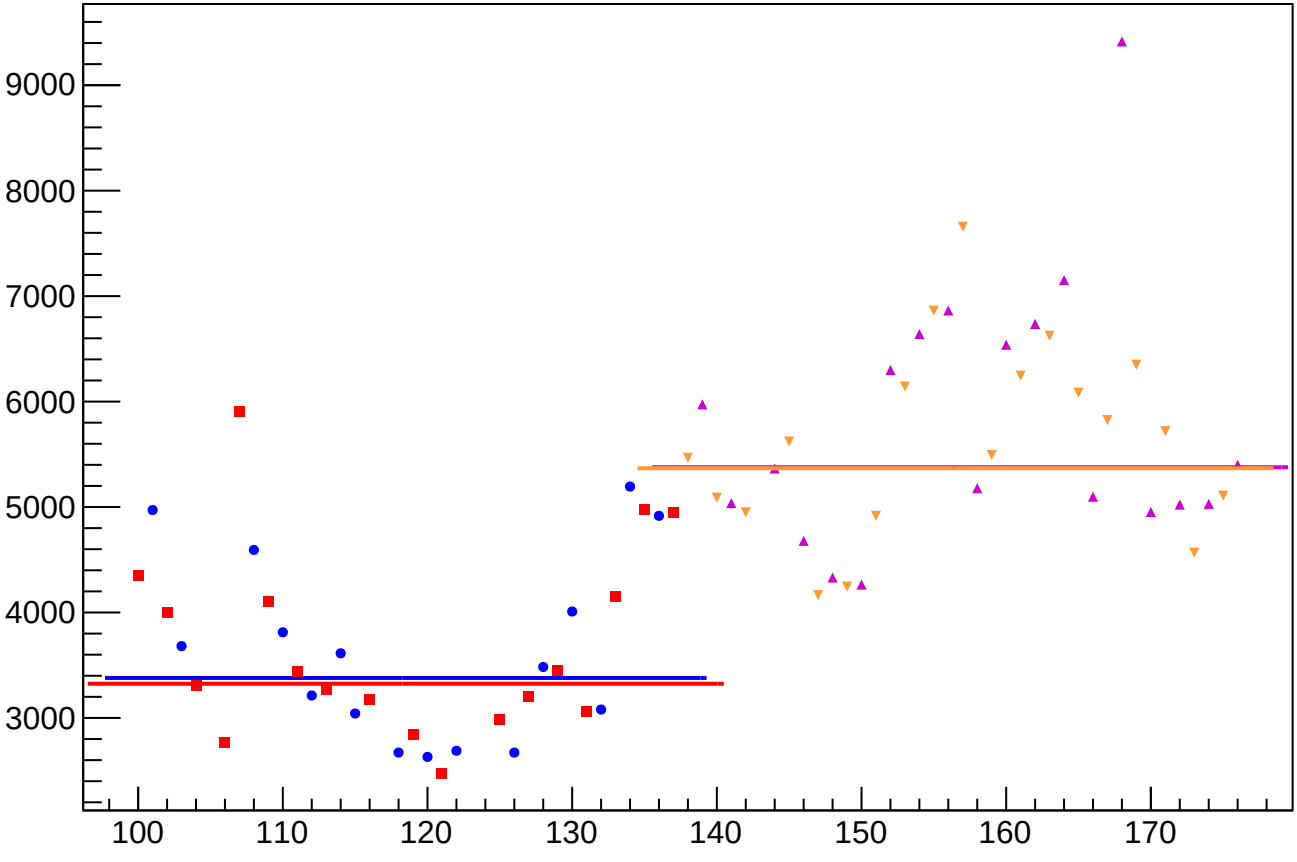
Left In: -642.869+/-1391.292 χ^2/NDF:10.4/18

+ sign -736.039+/-953.822 χ^2/NDF: 45.4/34

All: -645.292+/-667.505 χ^2/NDF: 74.5/71

- sign -558.190+/-934.465 χ^2/NDF: 29.1/36

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5367.611+/-0.997 χ^2/NDF:746681.1/18

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

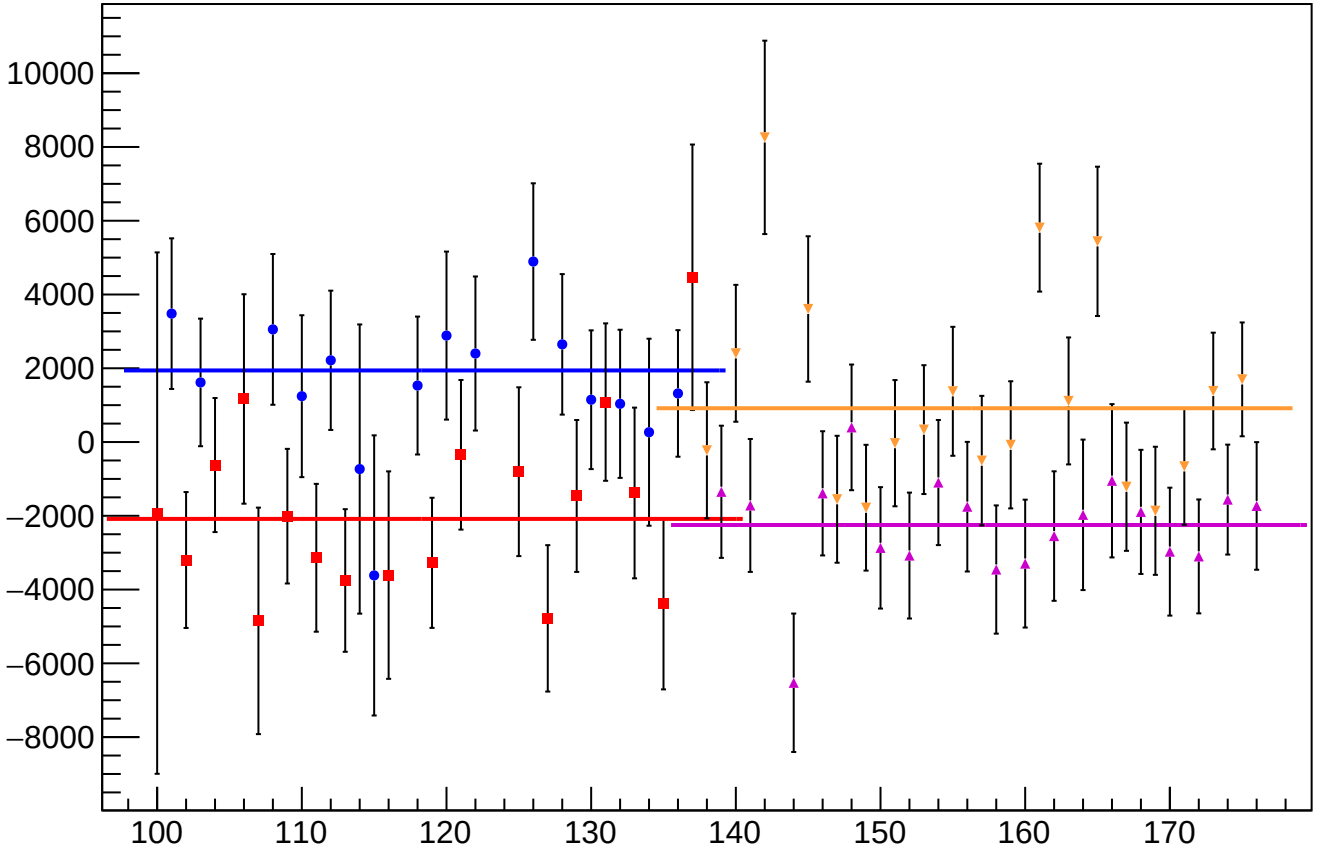
Left In: 5377.099+/-0.984 χ^2/NDF:1002421.9/18

+ sign 4288.746+/-0.674 χ^2/NDF: 3659419.7/34

All: 4269.198+/-0.472 χ^2/NDF: 7596774.3/71

- sign 4250.436+/-0.661 χ^2/NDF: 3935708.4/36

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 916.318+/-404.198 χ^2/NDF:35.1/18

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

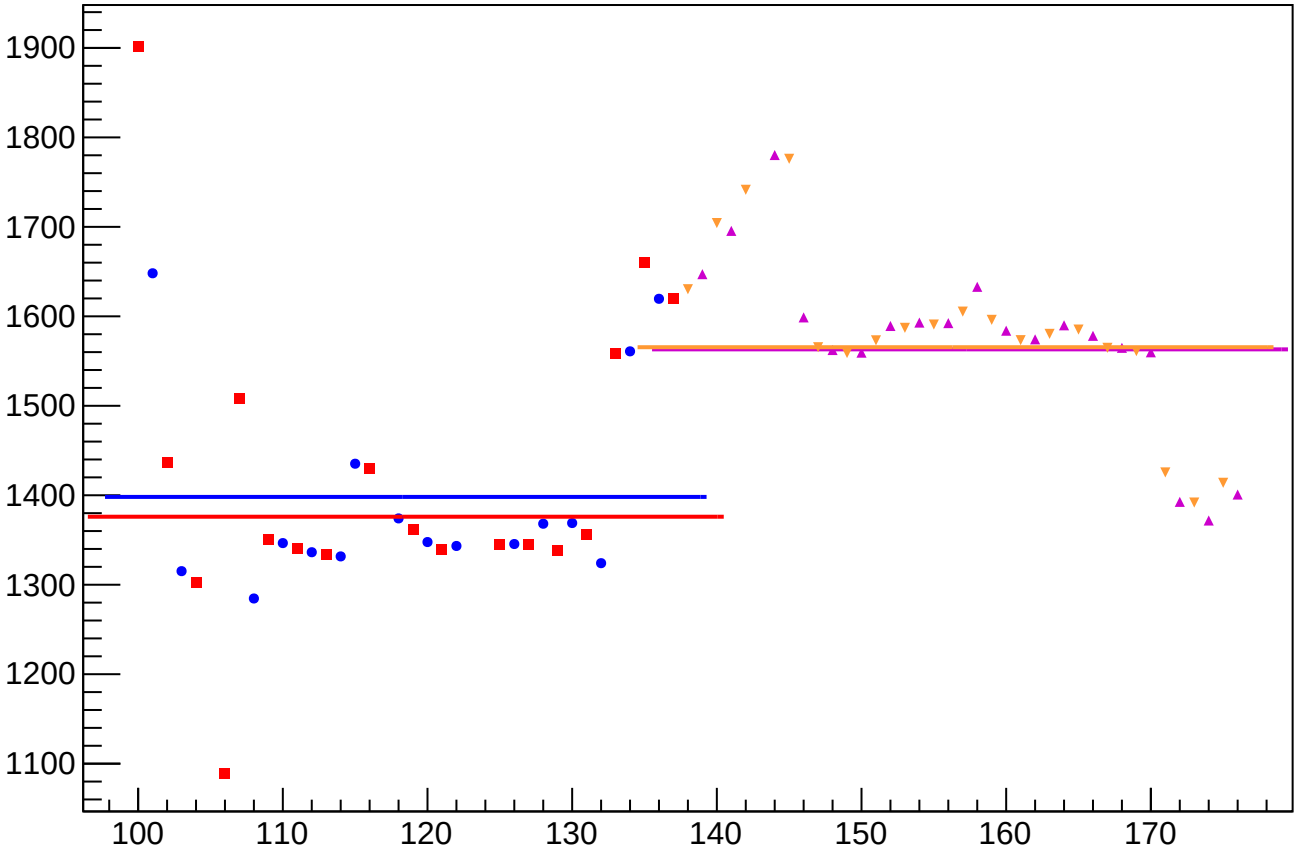
Left In: -2249.179+/-397.354 χ^2/NDF:11.2/18

+ sign 1300.257+/-319.628 χ^2/NDF: 44.5/34

All: -465.944+/-224.586 χ^2/NDF: 130.5/71

- sign -2188.285+/-315.635 χ^2/NDF: 25.7/36

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1565.479+/-0.286 χ^2/NDF:107333.5/18

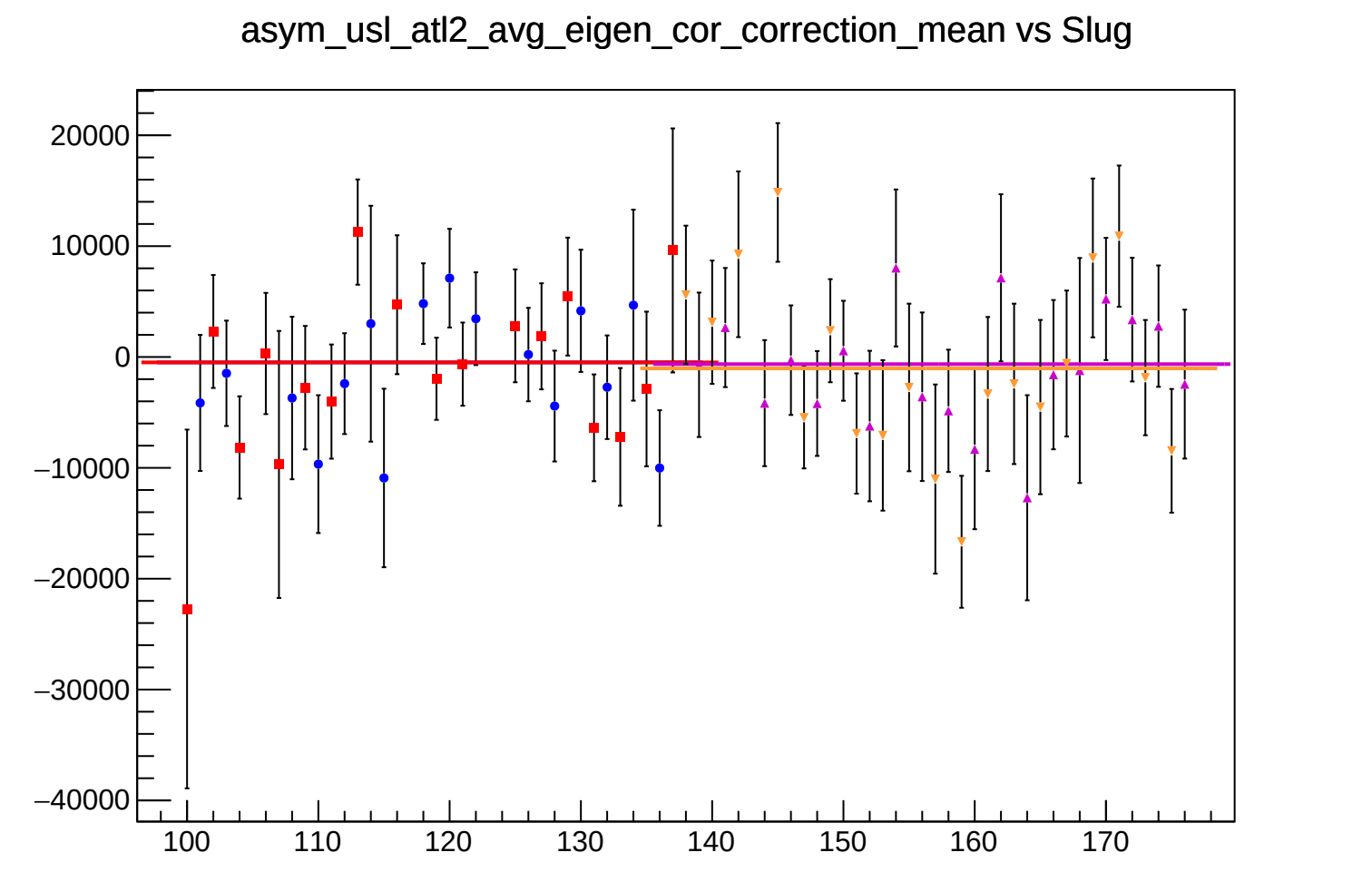
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1563.077+/-0.281 χ^2/NDF:123538.1/18

+ sign 1502.788+/-0.226 χ^2/NDF: 329663.6/34

All: 1497.747+/-0.158 χ^2/NDF: 734542.4/71

- sign 1492.880+/-0.222 χ^2/NDF: 403900.9/36



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1031.929+/-1410.251 χ^2/NDF:29.4/18

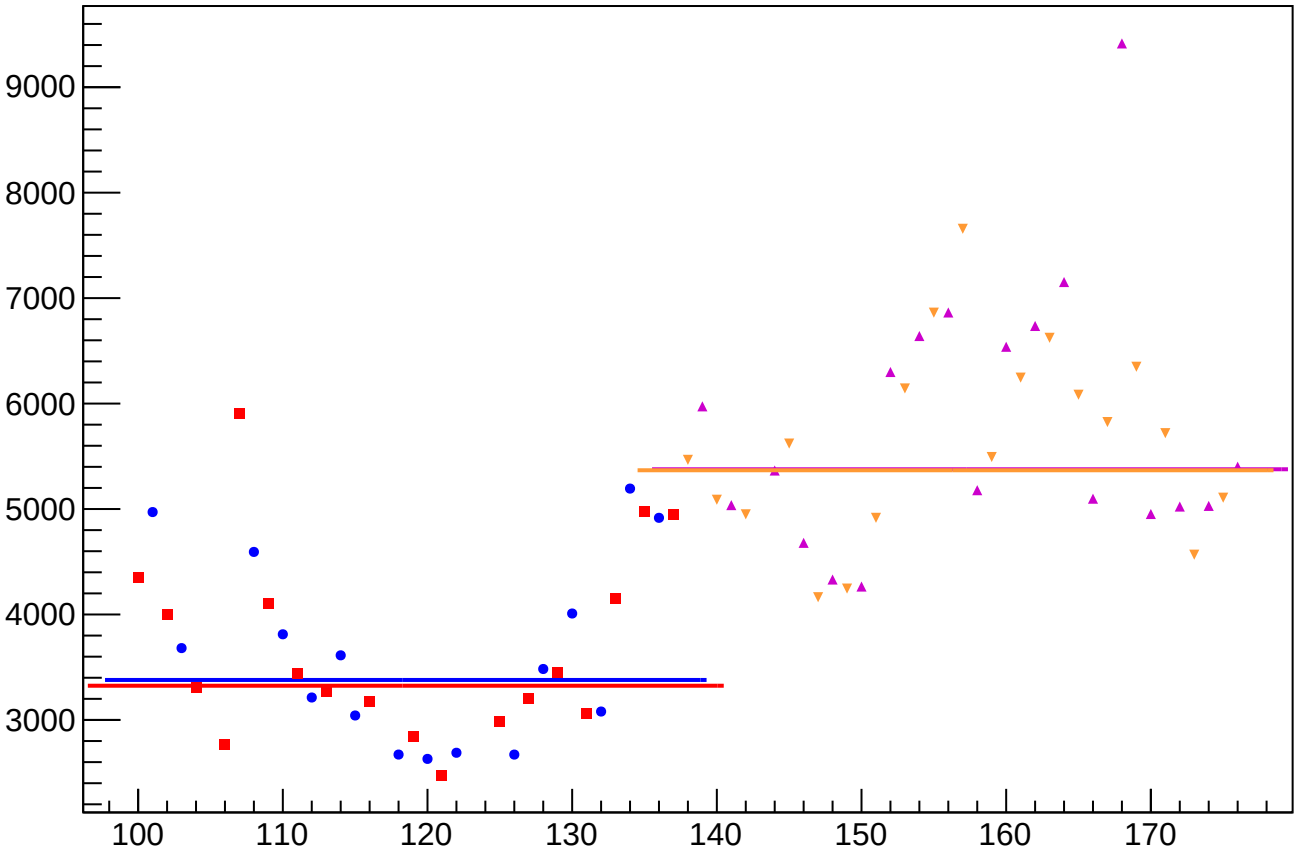
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -642.869+/-1391.292 χ^2/NDF:10.4/18

+ sign -736.039+/-953.822 χ^2/NDF: 45.4/34

All: -645.292+/-667.505 χ^2/NDF: 74.5/71

- sign -558.190+/-934.465 χ^2/NDF: 29.1/36



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5367.611+/-0.997 χ^2/NDF:746681.1/18

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

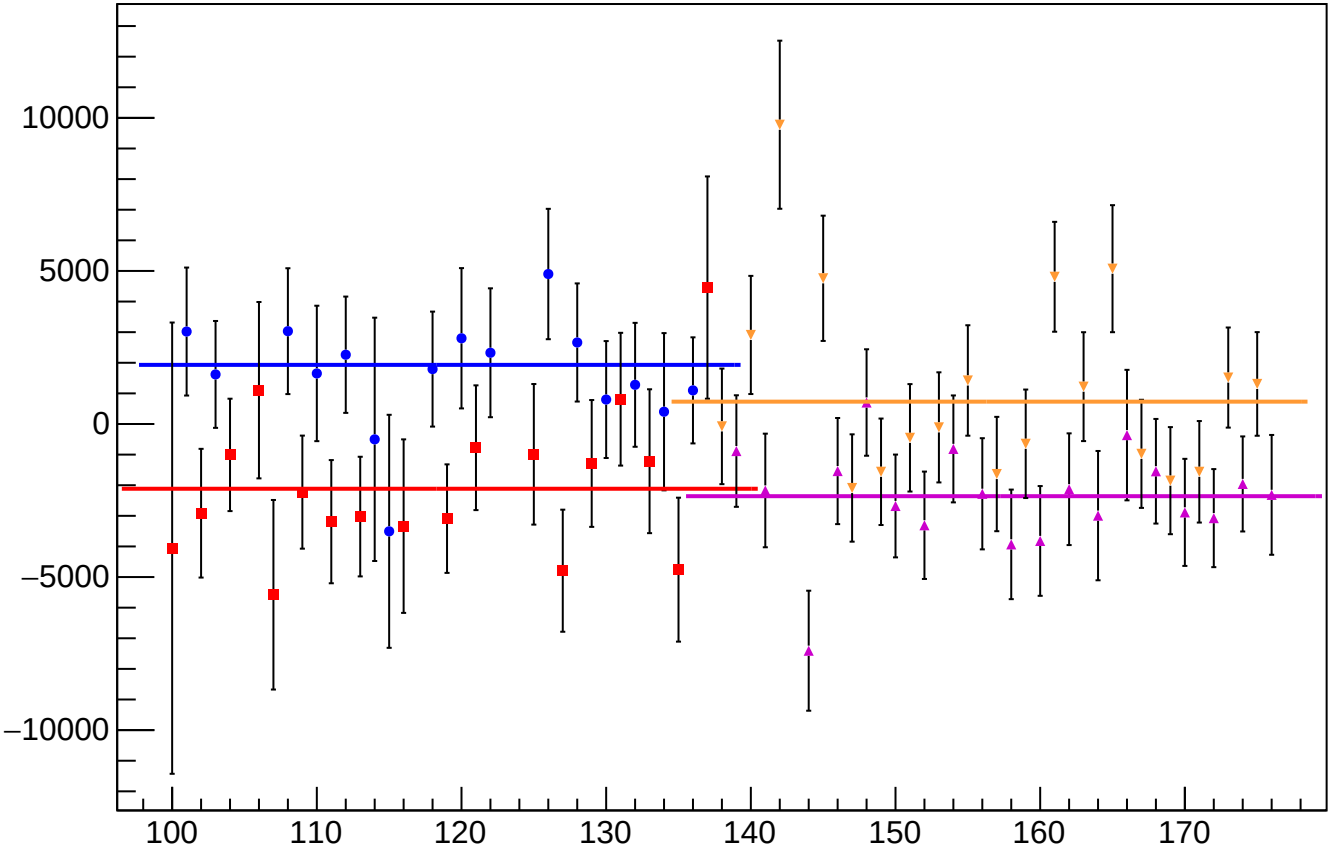
Left In: 5377.099+/-0.984 χ^2/NDF:1002421.9/18

+ sign 4288.746+/-0.674 χ^2/NDF: 3659419.7/34

All: 4269.198+/-0.472 χ^2/NDF: 7596774.3/71

- sign 4250.436+/-0.661 χ^2/NDF: 3935708.4/36

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 730.229+/-418.270 χ^2/NDF:38.5/18

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

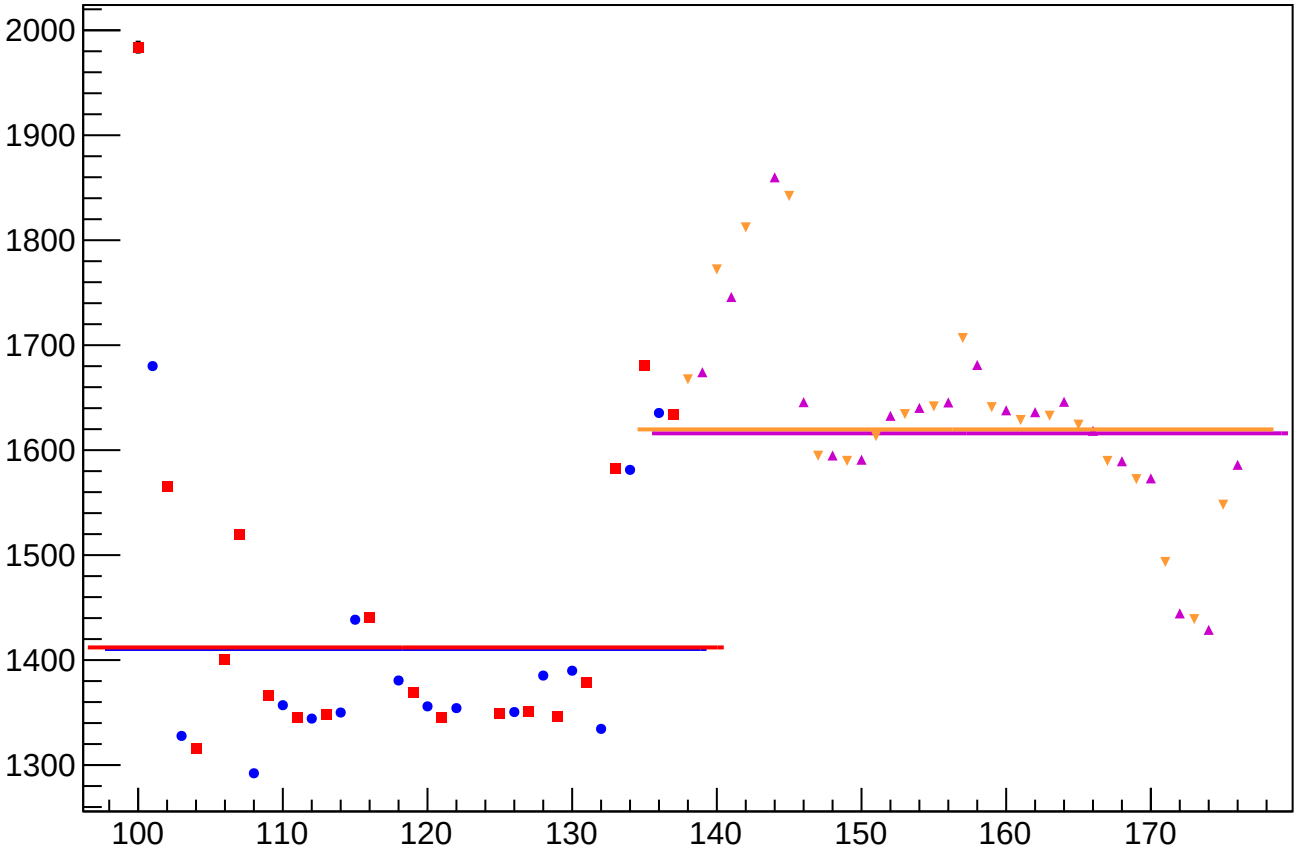
Left In: -2358.162+/-410.695 χ^2/NDF:14.7/18

+ sign 1194.360+/-327.654 χ^2/NDF: 48.1/34

All: -553.679+/-230.513 χ^2/NDF: 132.5/71

- sign -2266.747+/-324.360 χ^2/NDF: 28.1/36

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1619.758+/-0.296 χ^2/NDF:95146.3/18

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

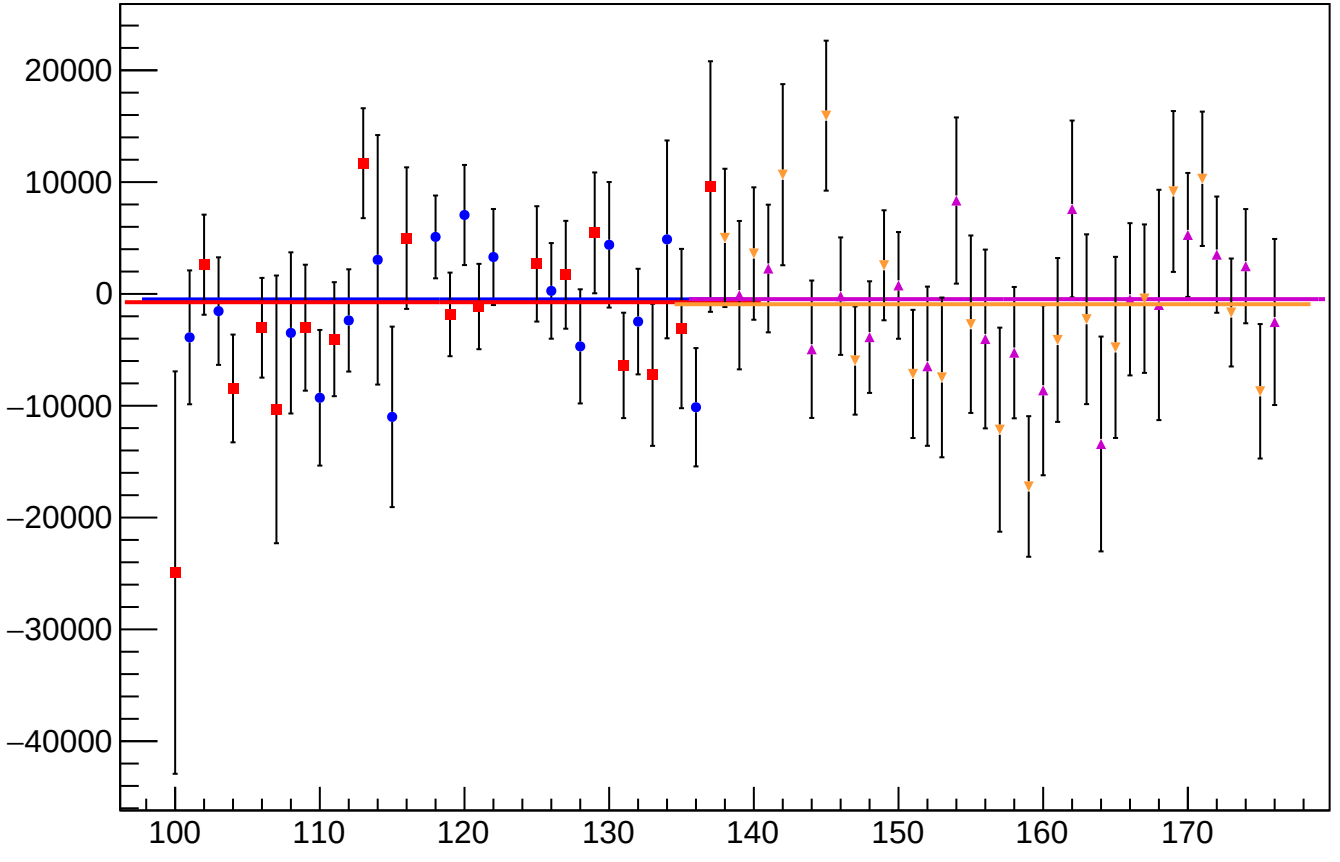
Left In: 1616.029+/-0.290 χ^2/NDF:102990.0/18

+ sign 1538.947+/-0.232 χ^2/NDF: 387525.0/34

All: 1538.988+/-0.163 χ^2/NDF: 766465.5/71

- sign 1539.027+/-0.229 χ^2/NDF: 378940.4/36

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -921.314+/-1457.315 χ^2/NDF:29.4/18

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

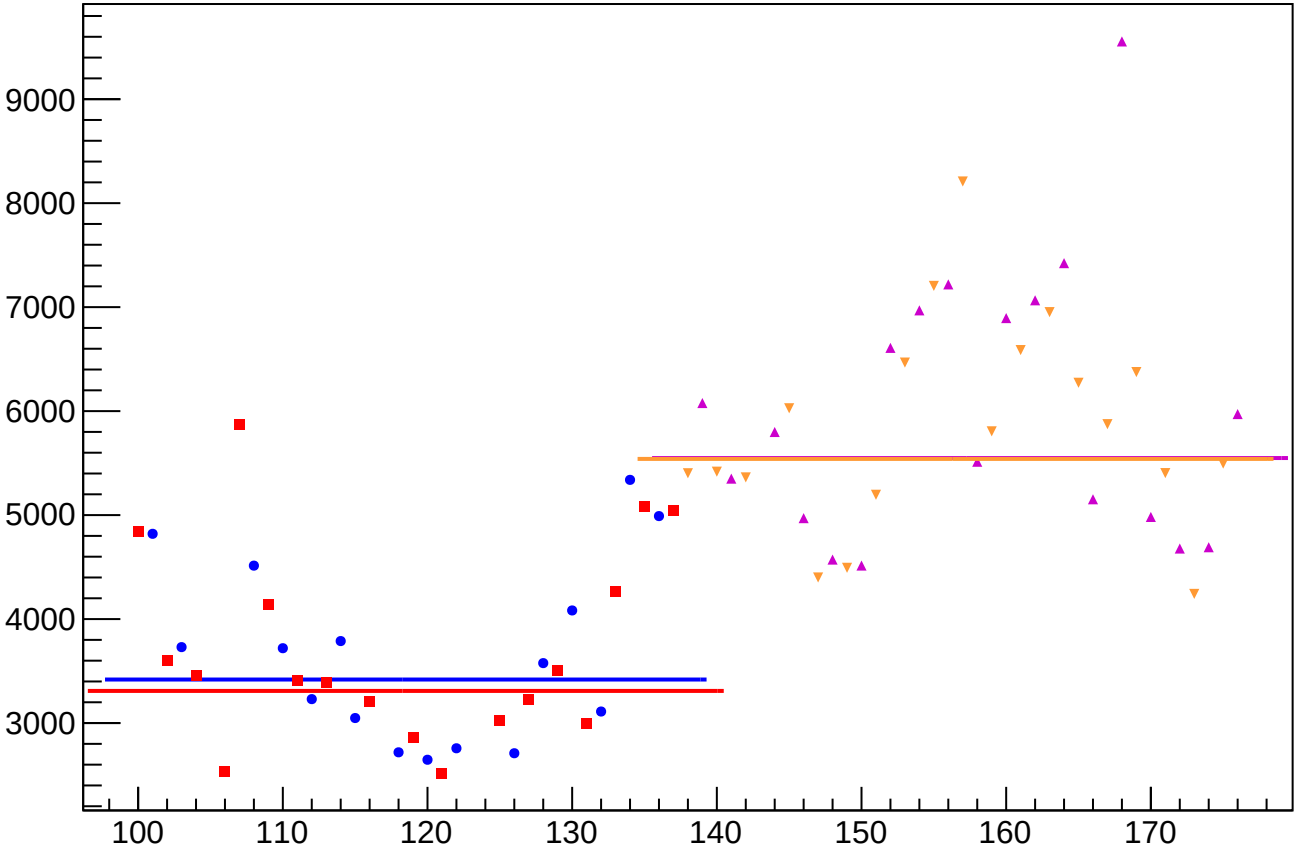
Left In: -466.082+/-1437.723 χ^2/NDF:10.4/18

+ sign -682.217+/-973.703 χ^2/NDF: 45.3/34

All: -651.456+/-677.187 χ^2/NDF: 74.8/71

- sign -622.638+/-942.437 χ^2/NDF: 29.6/36

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5540.438+/-1.030 χ^2/NDF:822422.9/18

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

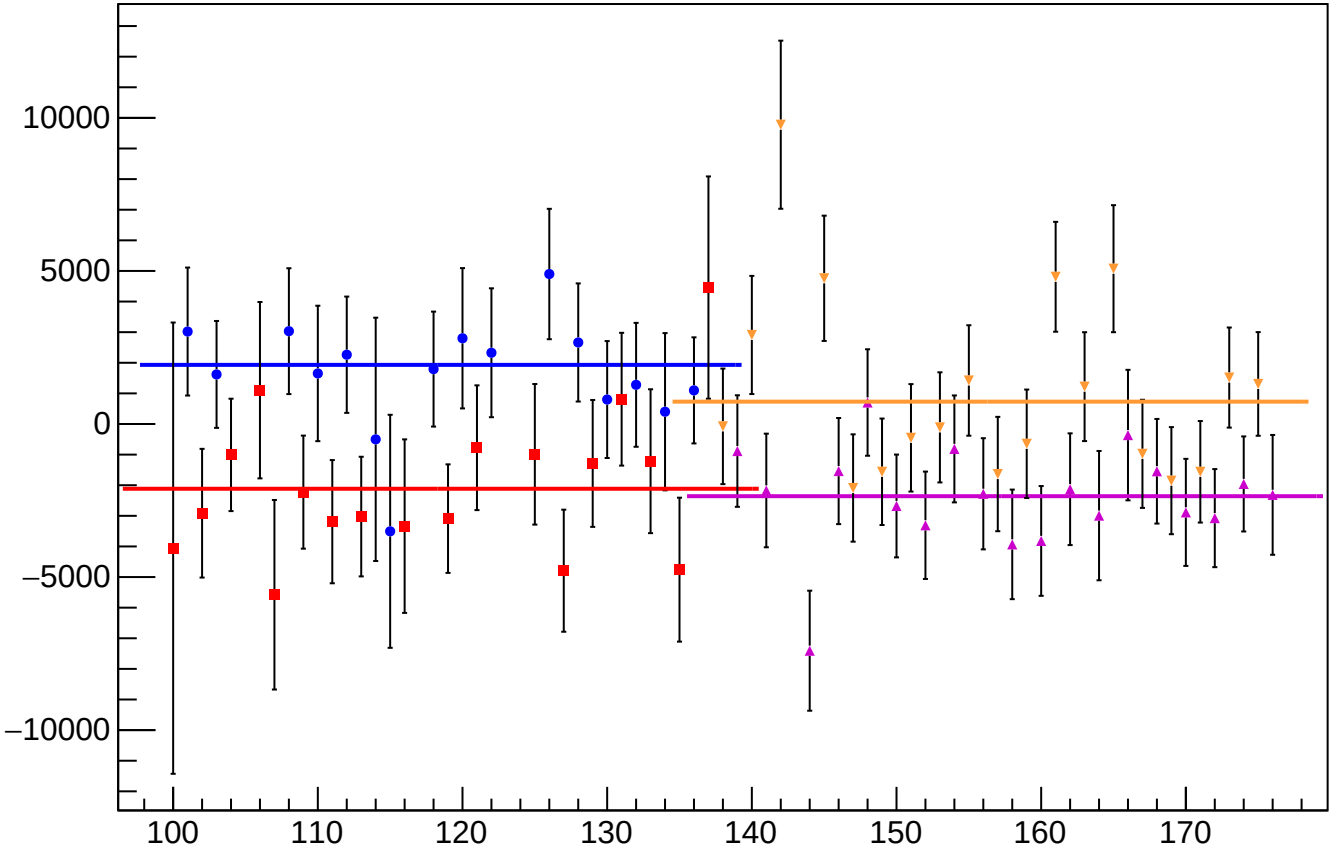
Left In: 5548.756+/-1.017 χ^2/NDF:1079546.5/18

+ sign 4365.892+/-0.689 χ^2/NDF: 3890485.3/34

All: 4317.137+/-0.479 χ^2/NDF: 8319579.6/71

- sign 4271.463+/-0.666 χ^2/NDF: 4419382.4/36

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 730.224+/-418.270 χ^2/NDF:38.5/18

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

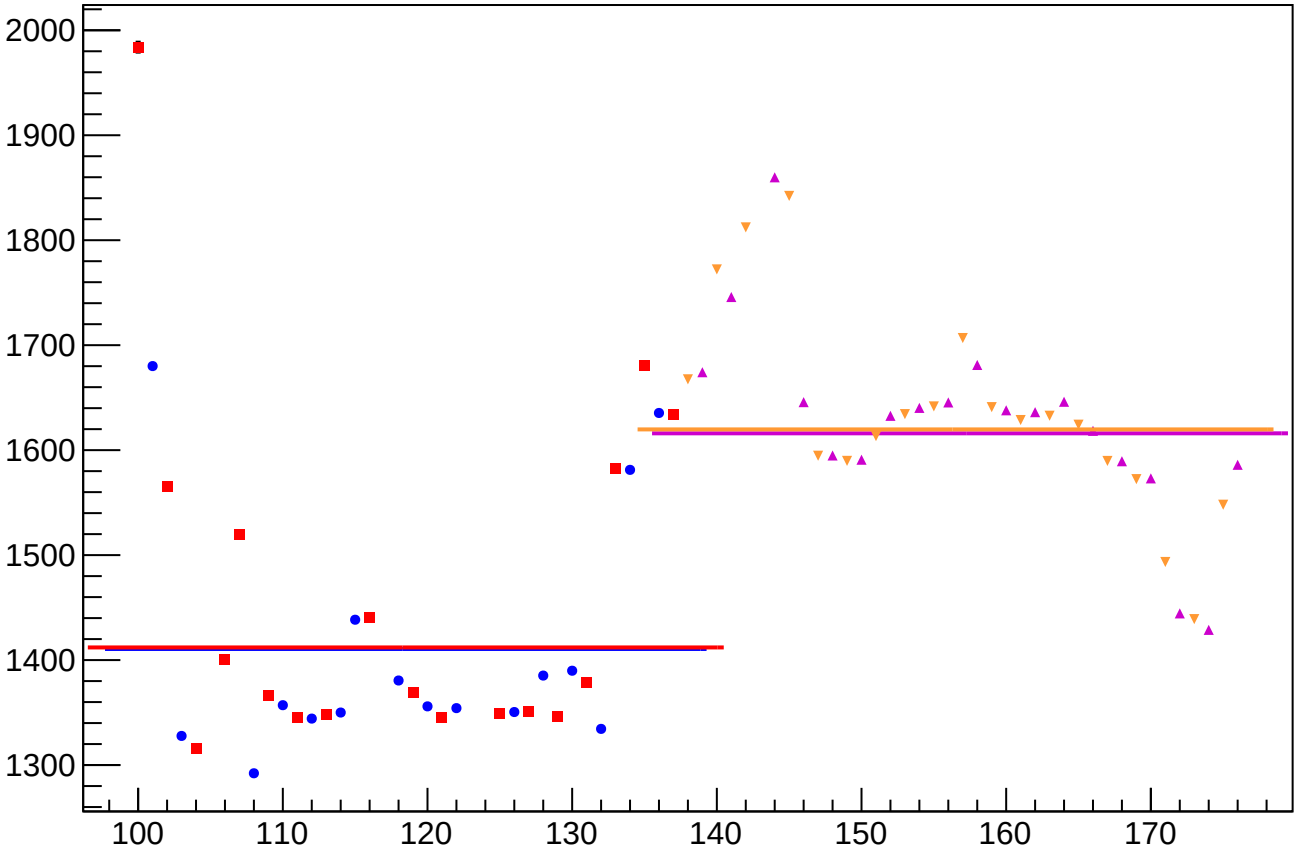
Left In: -2358.164+/-410.695 χ^2/NDF:14.7/18

+ sign 1194.357+/-327.654 χ^2/NDF: 48.1/34

All: -553.681+/-230.513 χ^2/NDF: 132.5/71

- sign -2266.748+/-324.360 χ^2/NDF: 28.1/36

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1619.759+/-0.296 χ^2/NDF:95149.8/18

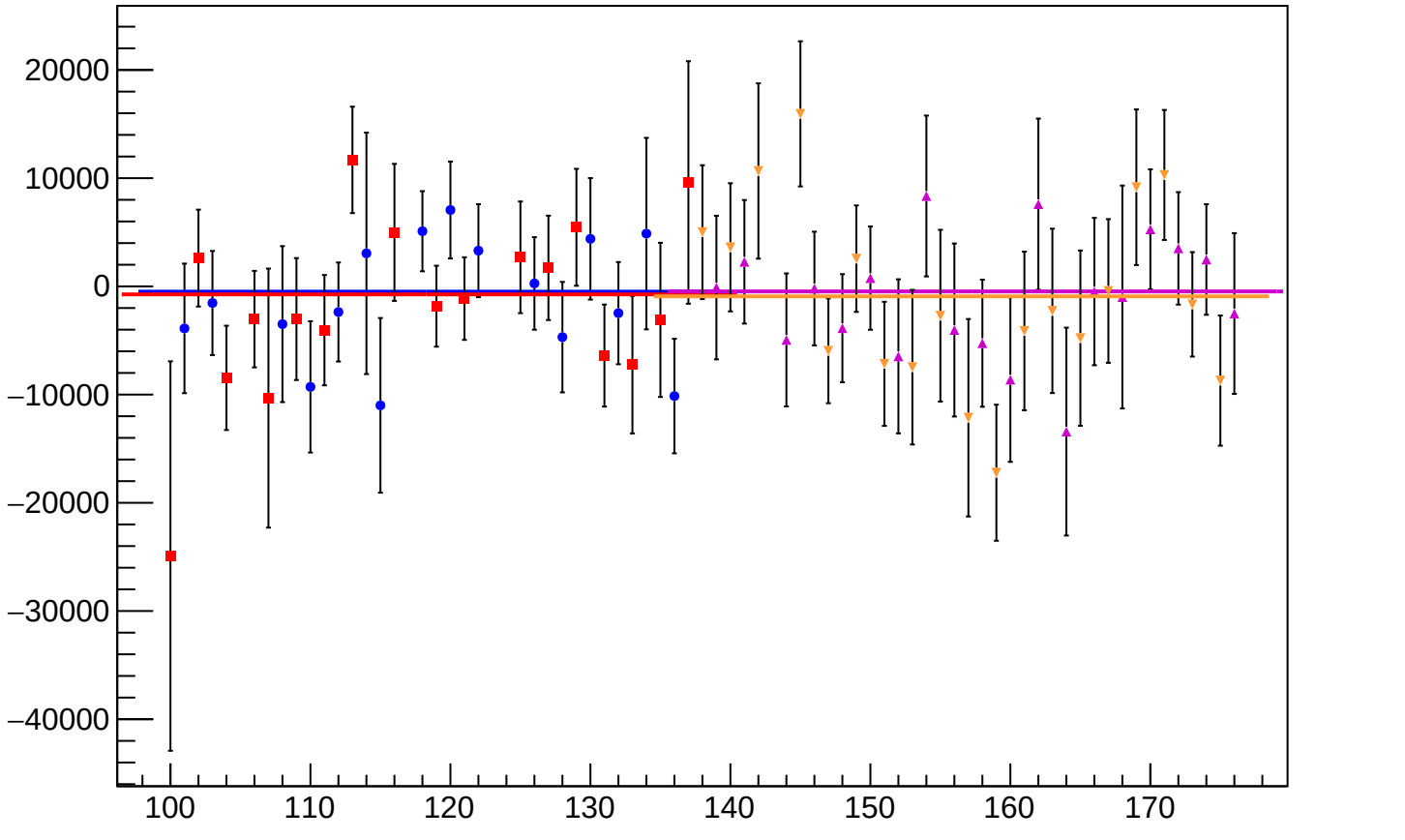
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1616.030+/-0.290 χ^2/NDF:102993.3/18

+ sign 1538.947+/-0.232 χ^2/NDF: 387529.1/34

All: 1538.988+/-0.163 χ^2/NDF: 766474.5/71

- sign 1539.027+/-0.229 χ^2/NDF: 378945.3/36



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -921.322+/-1457.317 χ^2/NDF:29.4/18

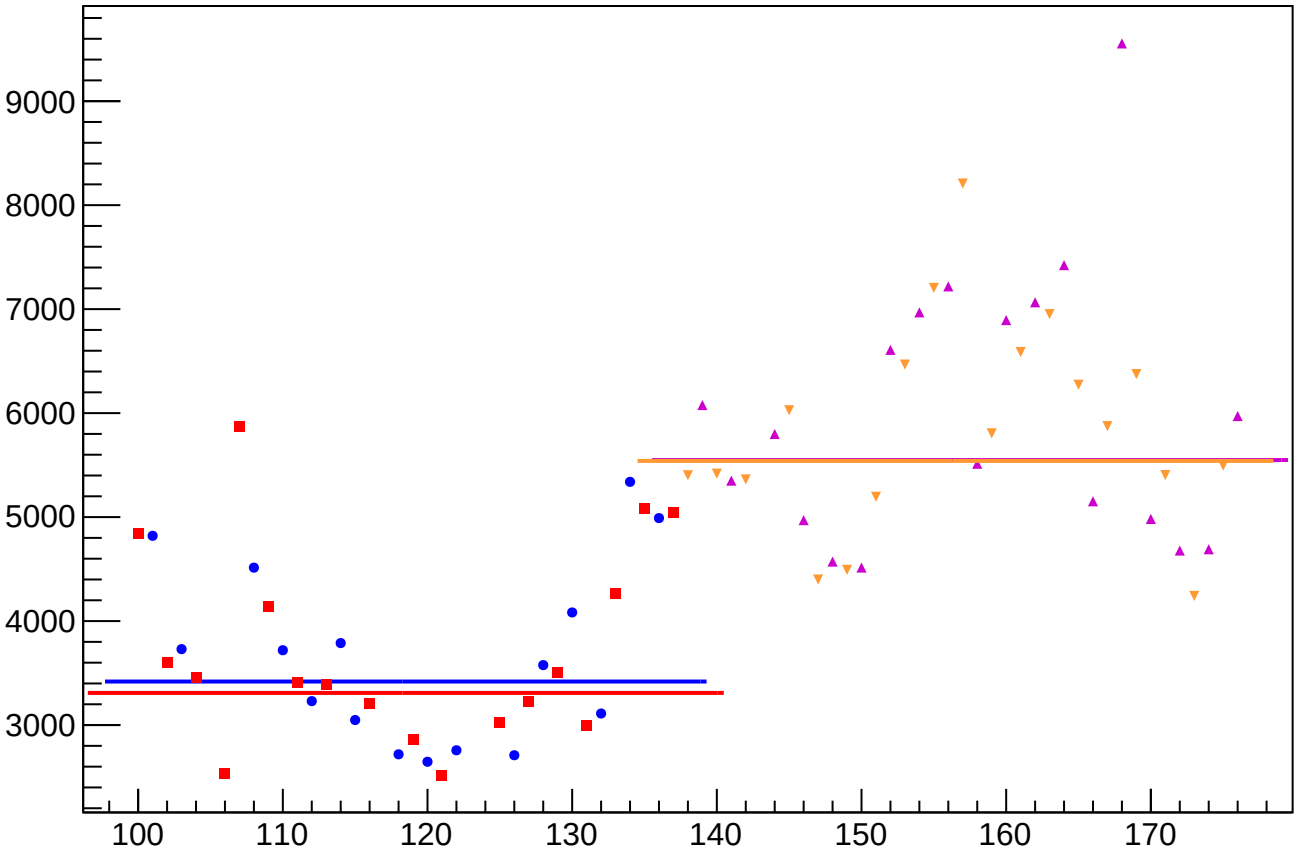
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -466.083+/-1437.725 χ^2/NDF:10.4/18

+ sign -682.216+/-973.702 χ^2/NDF: 45.3/34

All: -651.456+/-677.186 χ^2/NDF: 74.8/71

- sign -622.640+/-942.436 χ^2/NDF: 29.6/36



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5540.447+/-1.030 χ^2/NDF:822423.0/18

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

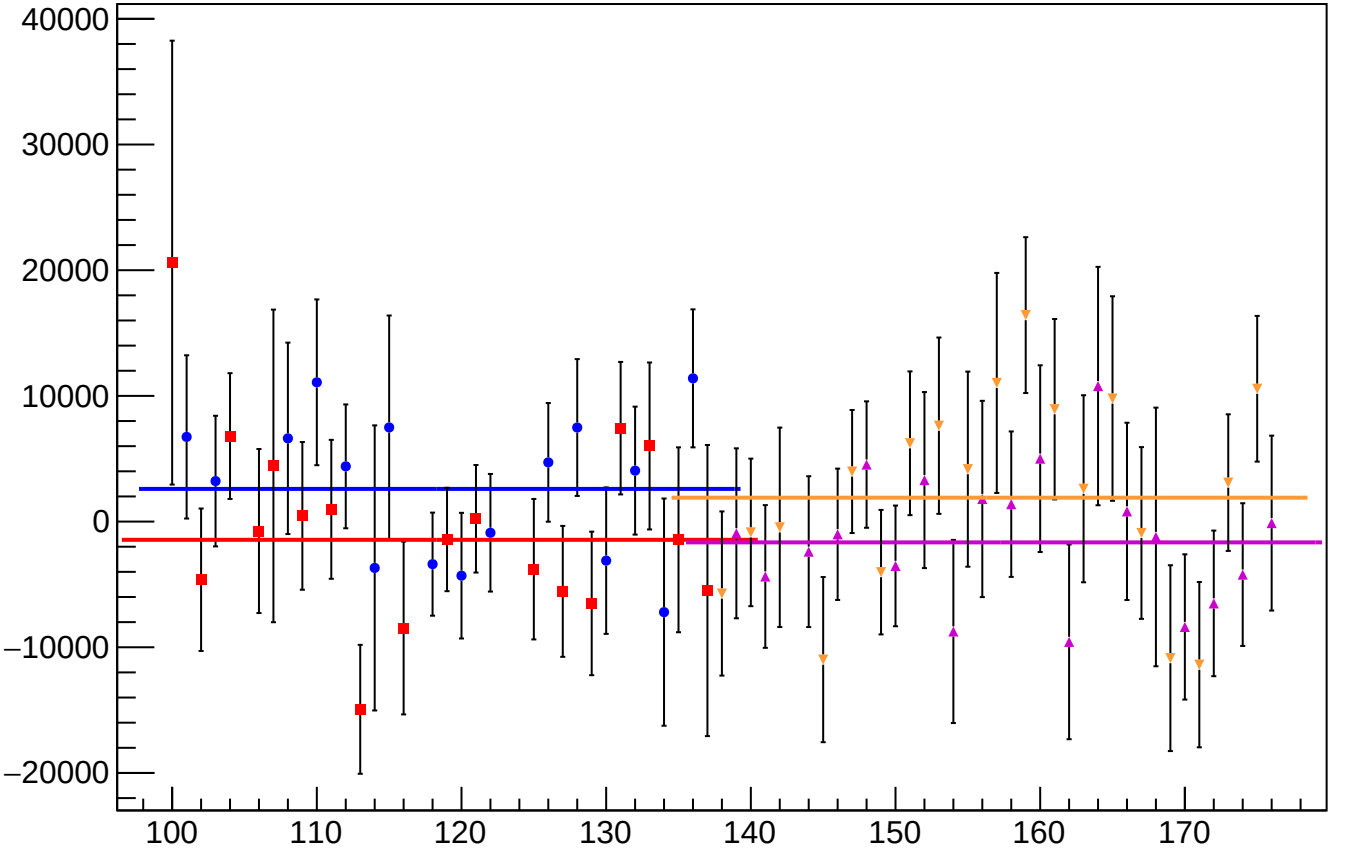
Left In: 5548.765+/-1.017 χ^2/NDF:1079547.1/18

+ sign 4365.885+/-0.689 χ^2/NDF: 3890540.8/34

All: 4317.130+/-0.479 χ^2/NDF: 8319686.9/71

- sign 4271.456+/-0.666 χ^2/NDF: 4419434.2/36

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1901.128+/-1475.055 χ^2/NDF:26.5/18

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

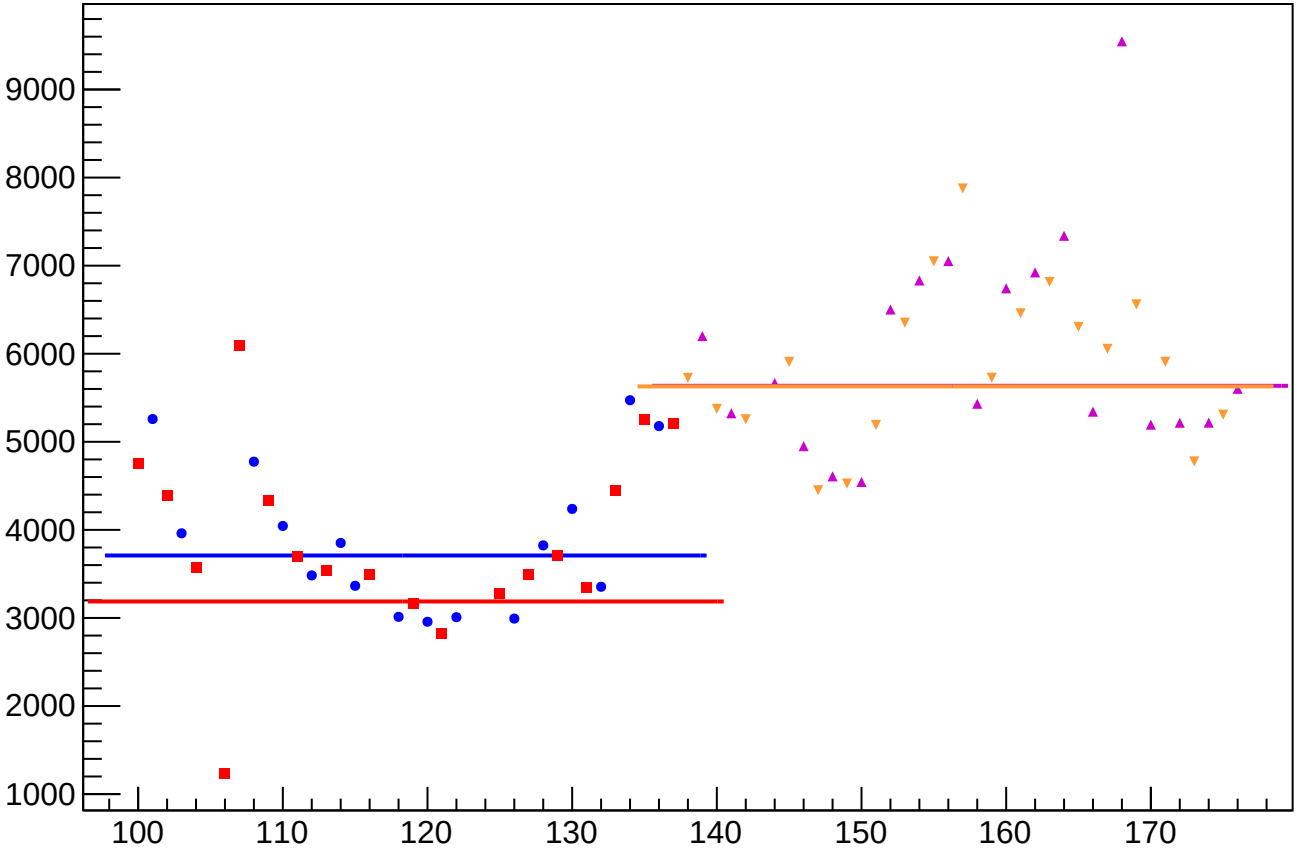
Left In: -1654.661+/-1454.684 χ^2/NDF:9.9/18

+ sign 2265.007+/-1020.939 χ^2/NDF: 40.1/34

All: 323.593+/-715.211 χ^2/NDF: 76.1/71

- sign -1547.370+/-1002.244 χ^2/NDF: 28.9/36

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5628.813+/-1.043 χ^2/NDF:649437.7/18

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

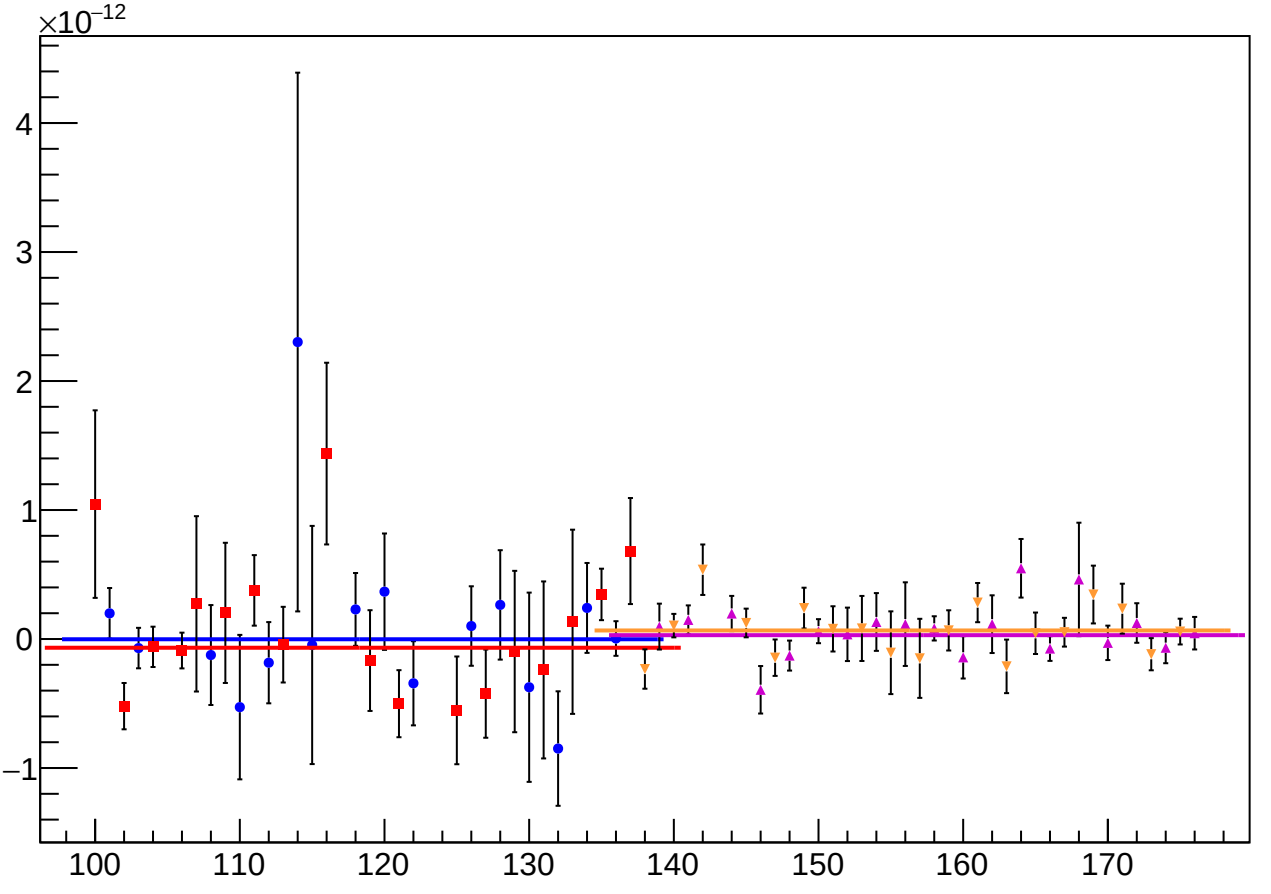
Left In: 5635.790+/-1.029 χ^2/NDF:883886.3/18

+ sign 4628.769+/-0.722 χ^2/NDF: 3024716.9/34

All: 4423.060+/-0.493 χ^2/NDF: 8894998.9/71

- sign 4242.984+/-0.675 χ^2/NDF: 5718006.3/36

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.7/18

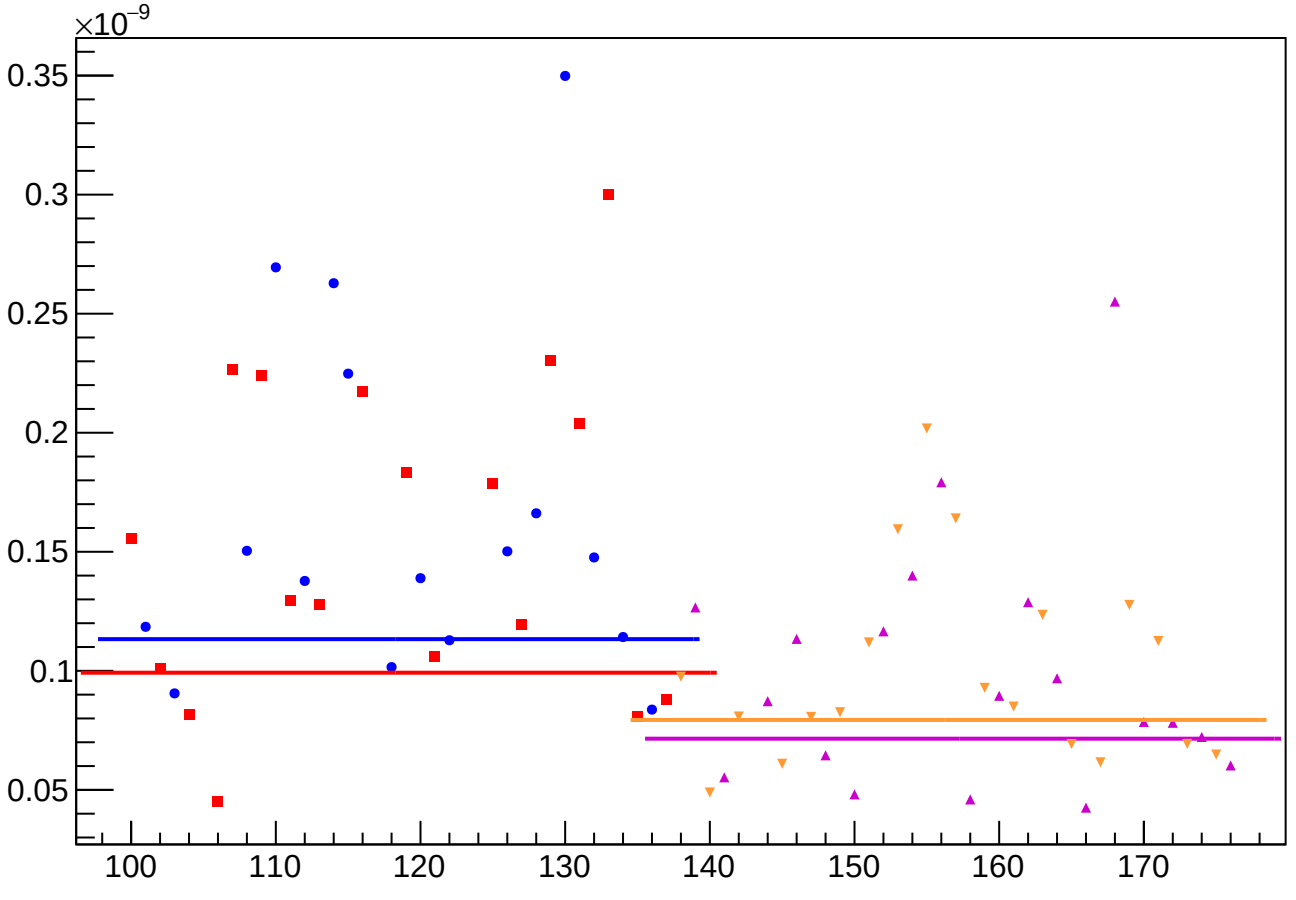
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:20.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 34.5/34

All: 0.000+/-0.000 χ^2/NDF: 87.3/71

- sign 0.000+/-0.000 χ^2/NDF: 51.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1397400.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

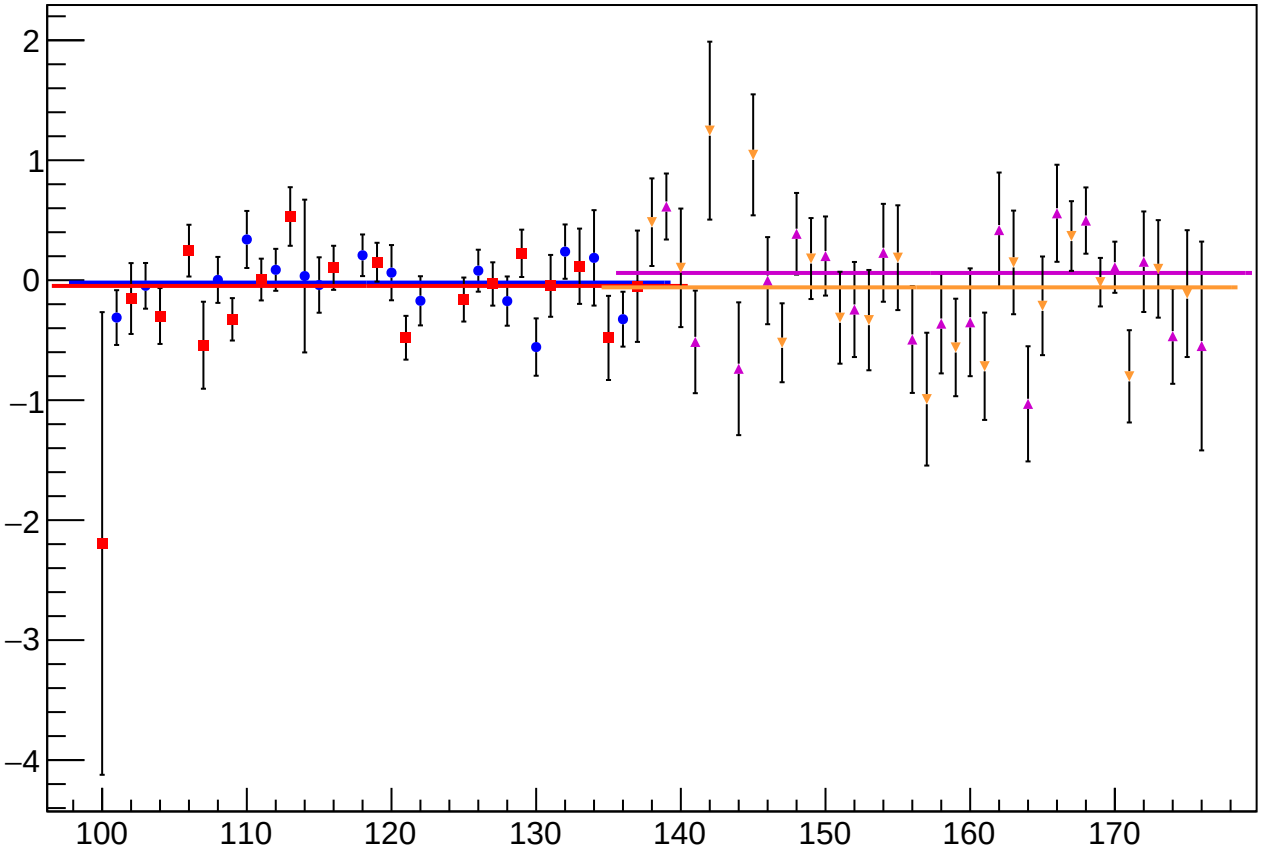
Left In: 0.000+/-0.000 χ^2/NDF:1884921.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 2429901.3/34

All: 0.000+/-0.000 χ^2/NDF: 5793342.6/71

- sign 0.000+/-0.000 χ^2/NDF: 3273225.4/36

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: -0.059+/-0.087 χ^2/NDF:26.9/18

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

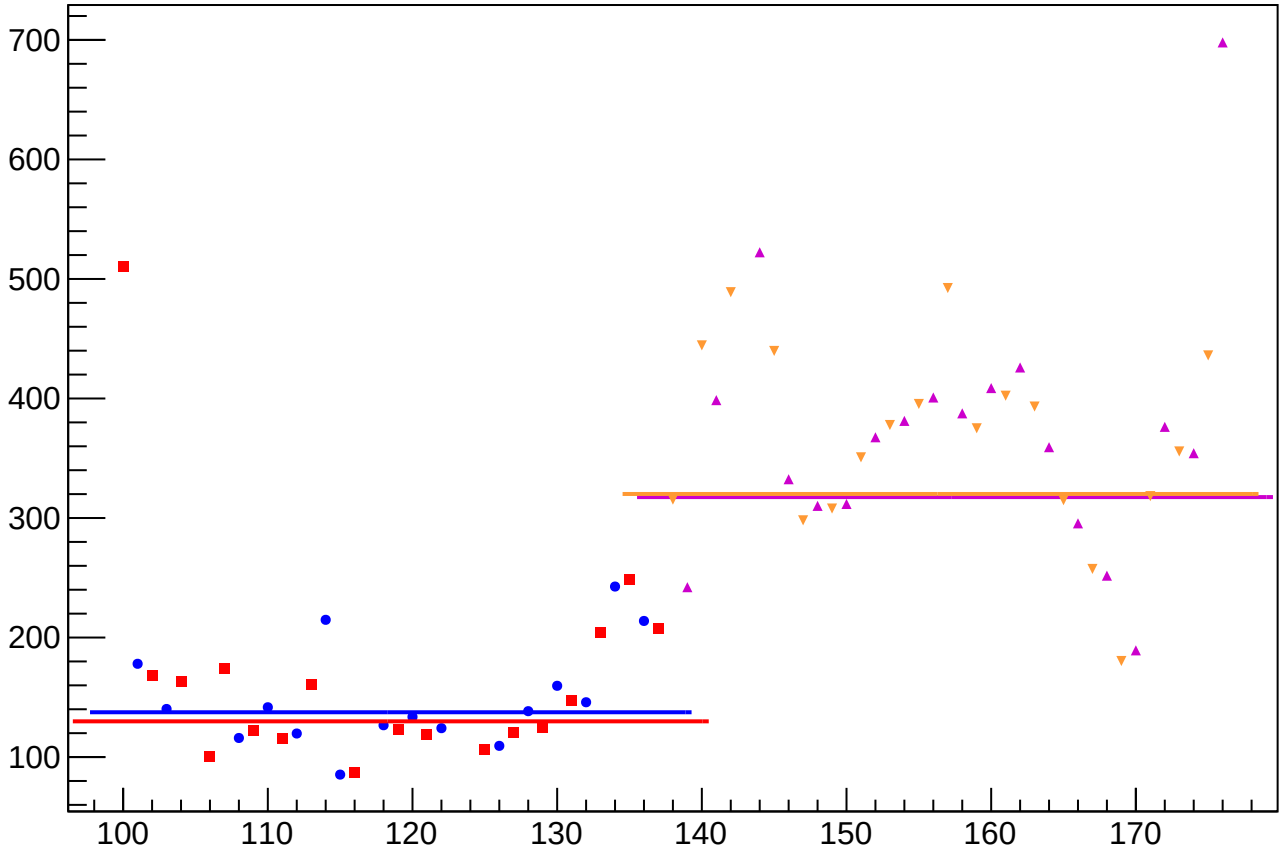
Left In: 0.060+/-0.085 χ^2/NDF:25.3/18

+ sign -0.031+/-0.046 χ^2/NDF: 43.0/34

All: -0.024+/-0.032 χ^2/NDF: 95.9/71

- sign -0.018+/-0.045 χ^2/NDF: 52.8/36

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: 320.115+/-0.062 χ^2/NDF:1980312.9/18

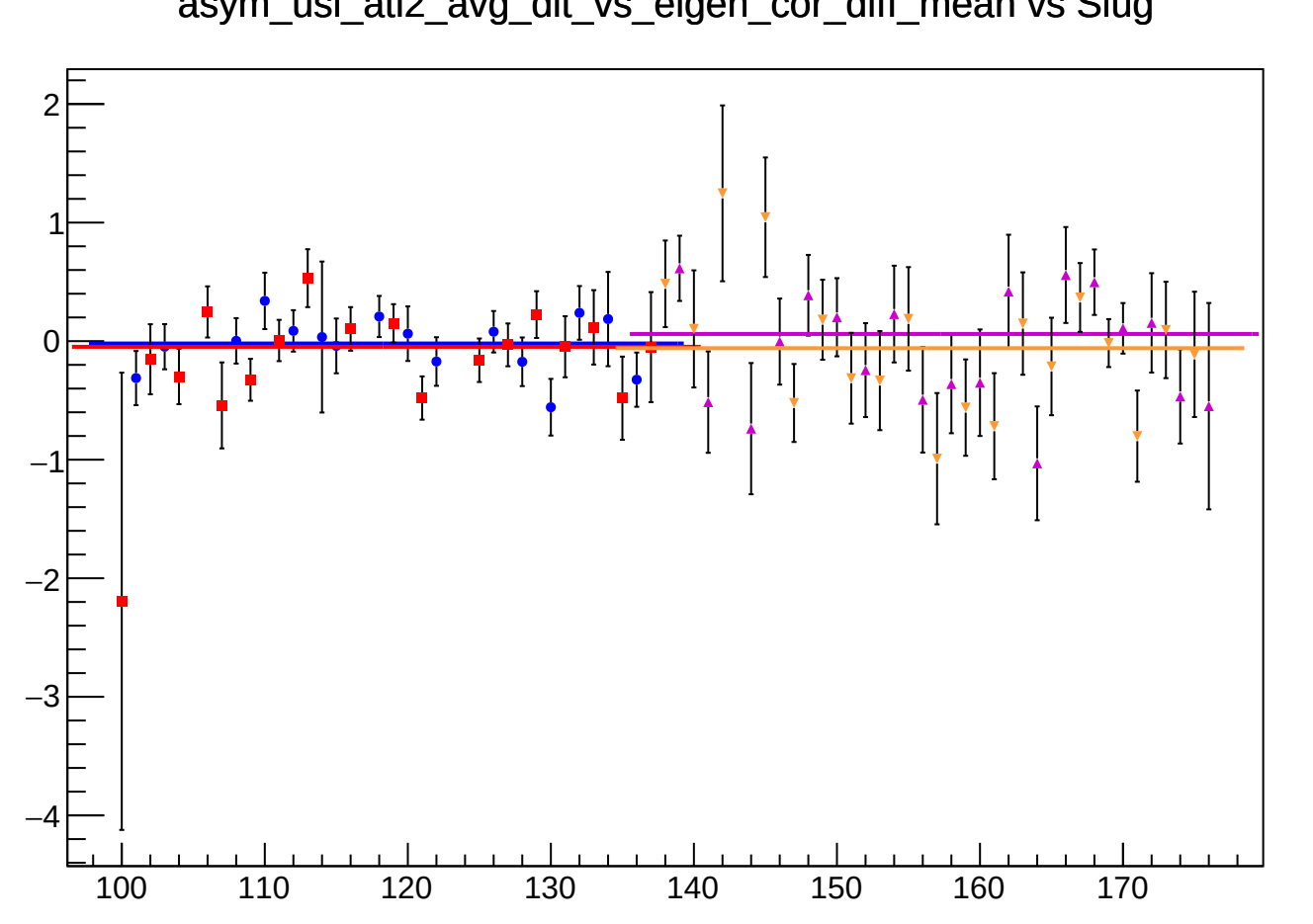
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 317.515+/-0.060 χ^2/NDF:2189448.2/18

+ sign 188.368+/-0.033 χ^2/NDF: 8997336.2/34

All: 184.980+/-0.023 χ^2/NDF: 19110329.5/71

- sign 181.795+/-0.032 χ^2/NDF: 10091985.0/36



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.059+/-0.087 χ^2/NDF:26.9/18

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

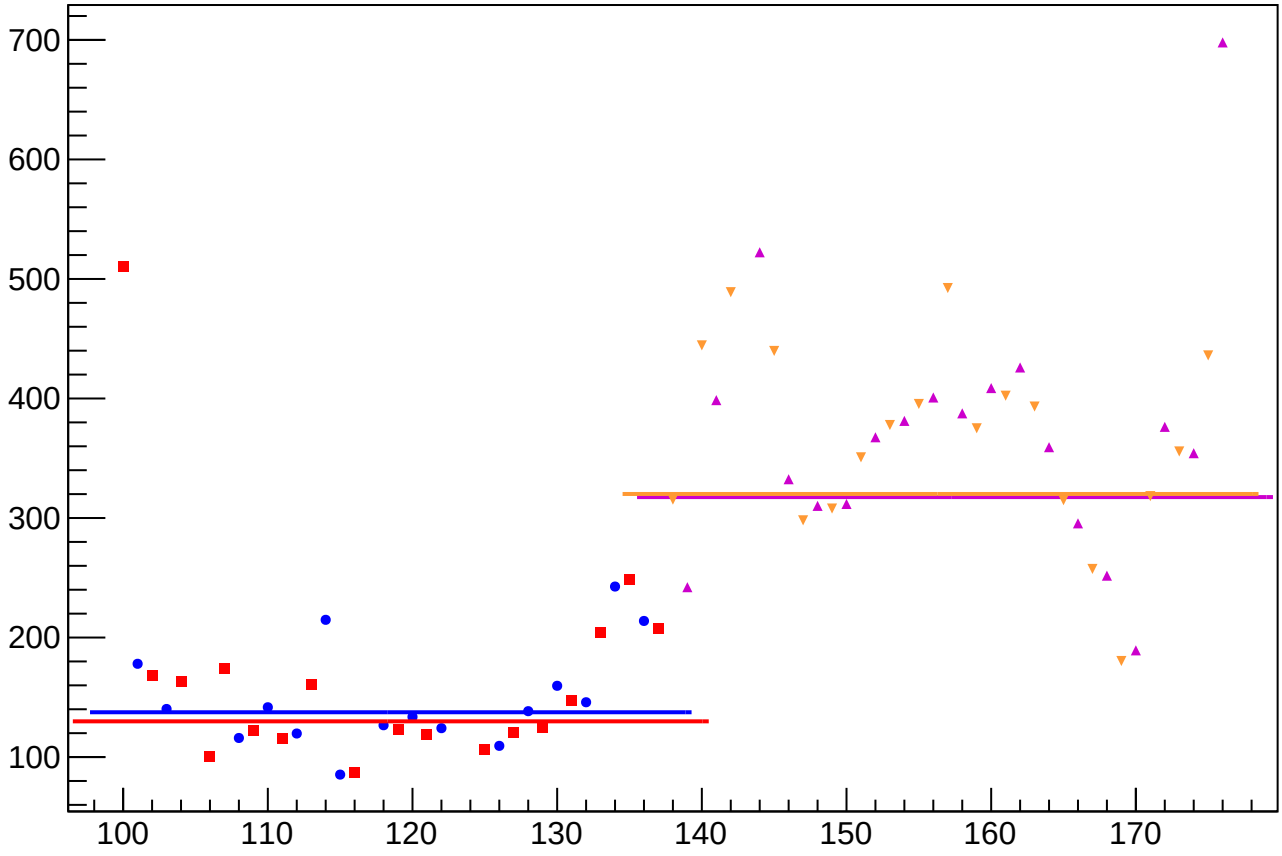
Left In: 0.060+/-0.085 χ^2/NDF:25.3/18

+ sign -0.031+/-0.046 χ^2/NDF: 43.0/34

All: -0.024+/-0.032 χ^2/NDF: 95.9/71

- sign -0.018+/-0.045 χ^2/NDF: 52.8/36

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 320.115+/-0.062 χ^2/NDF:1980312.9/18

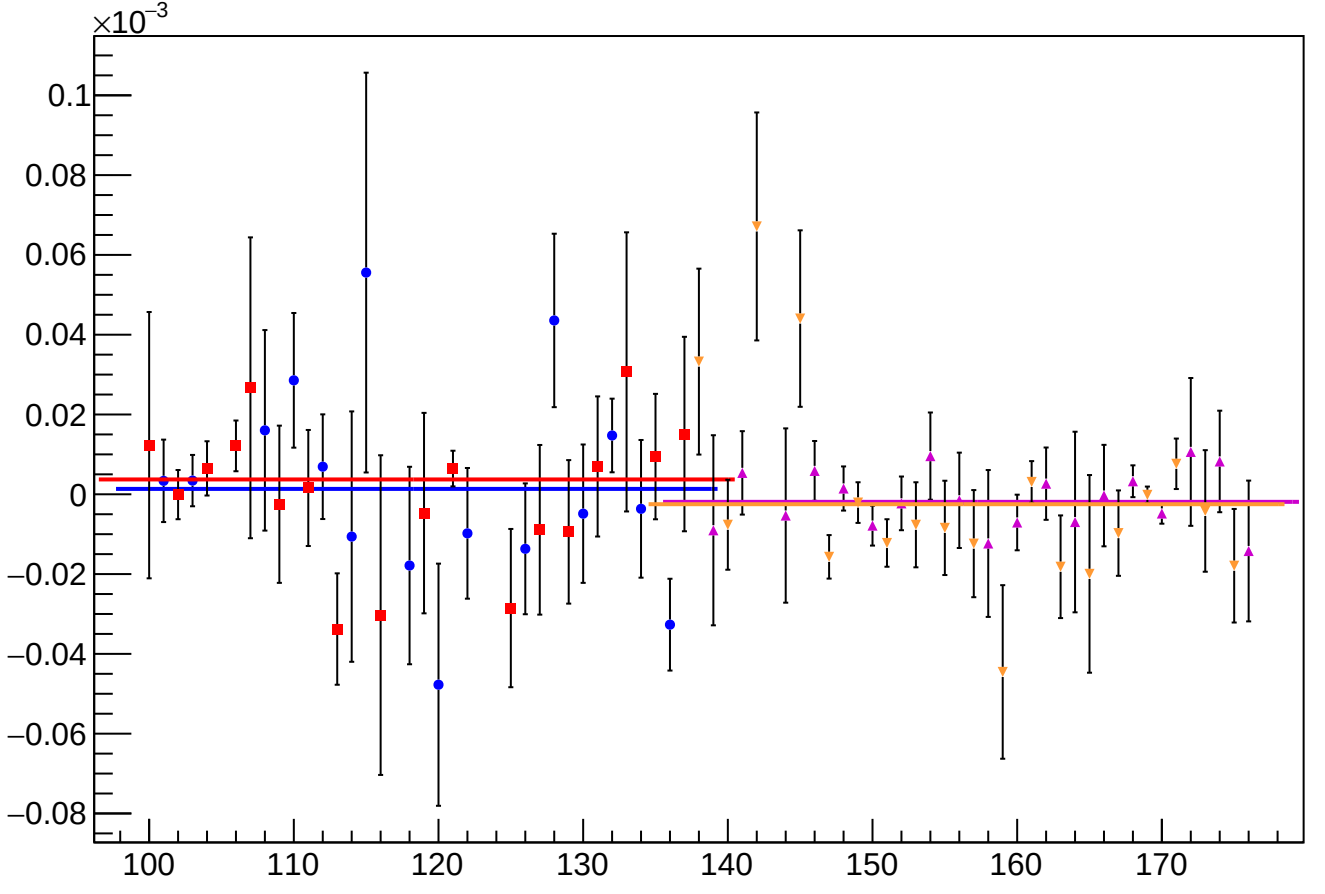
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 317.515+/-0.060 χ^2/NDF:2189448.2/18

+ sign 188.368+/-0.033 χ^2/NDF: 8997336.2/34

All: 184.980+/-0.023 χ^2/NDF: 19110329.5/71

- sign 181.795+/-0.032 χ^2/NDF: 10091985.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

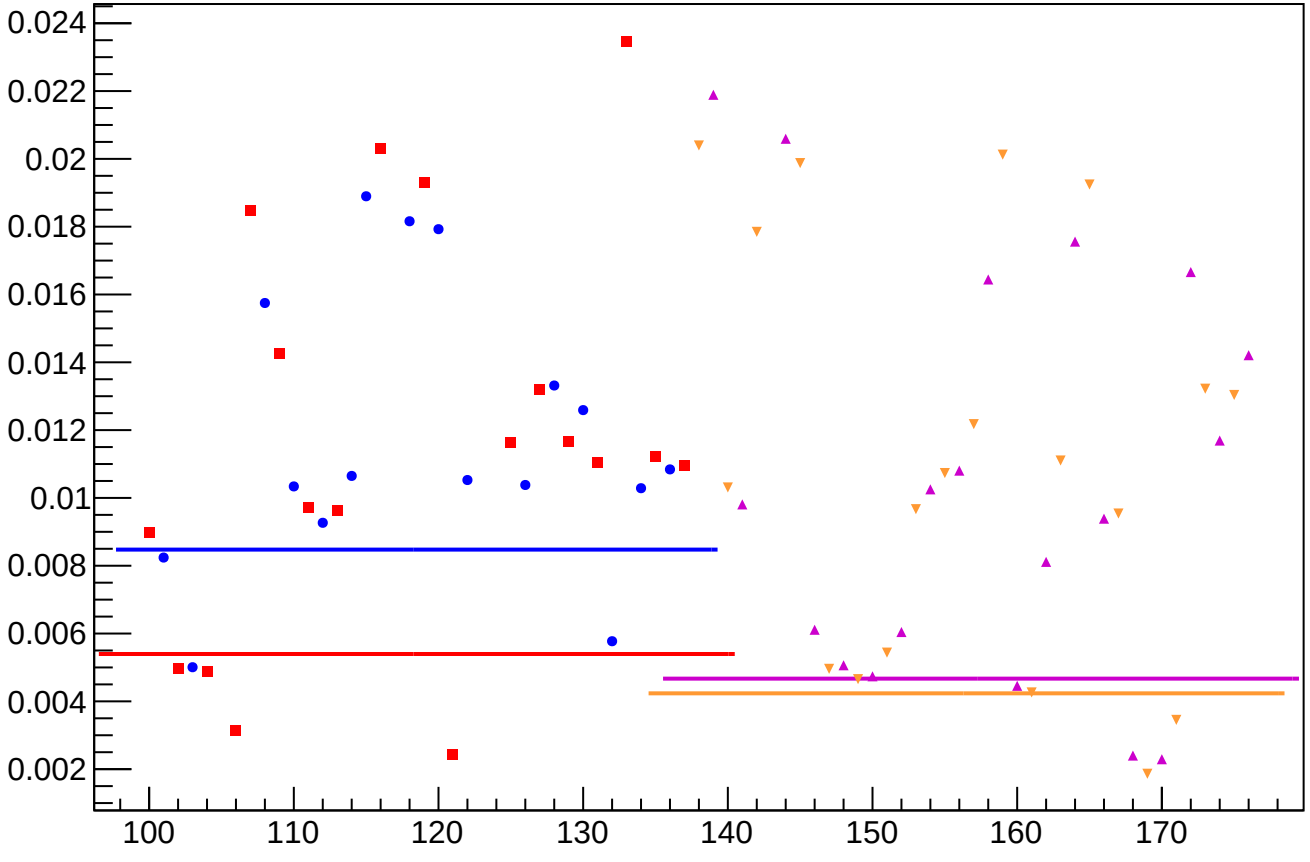
Left In: -0.000+/-0.000 χ^2/NDF:10.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 59.8/34

All: -0.000+/-0.000 χ^2/NDF: 90.1/71

- sign -0.000+/-0.000 χ^2/NDF: 29.7/36

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:11903123.9/18

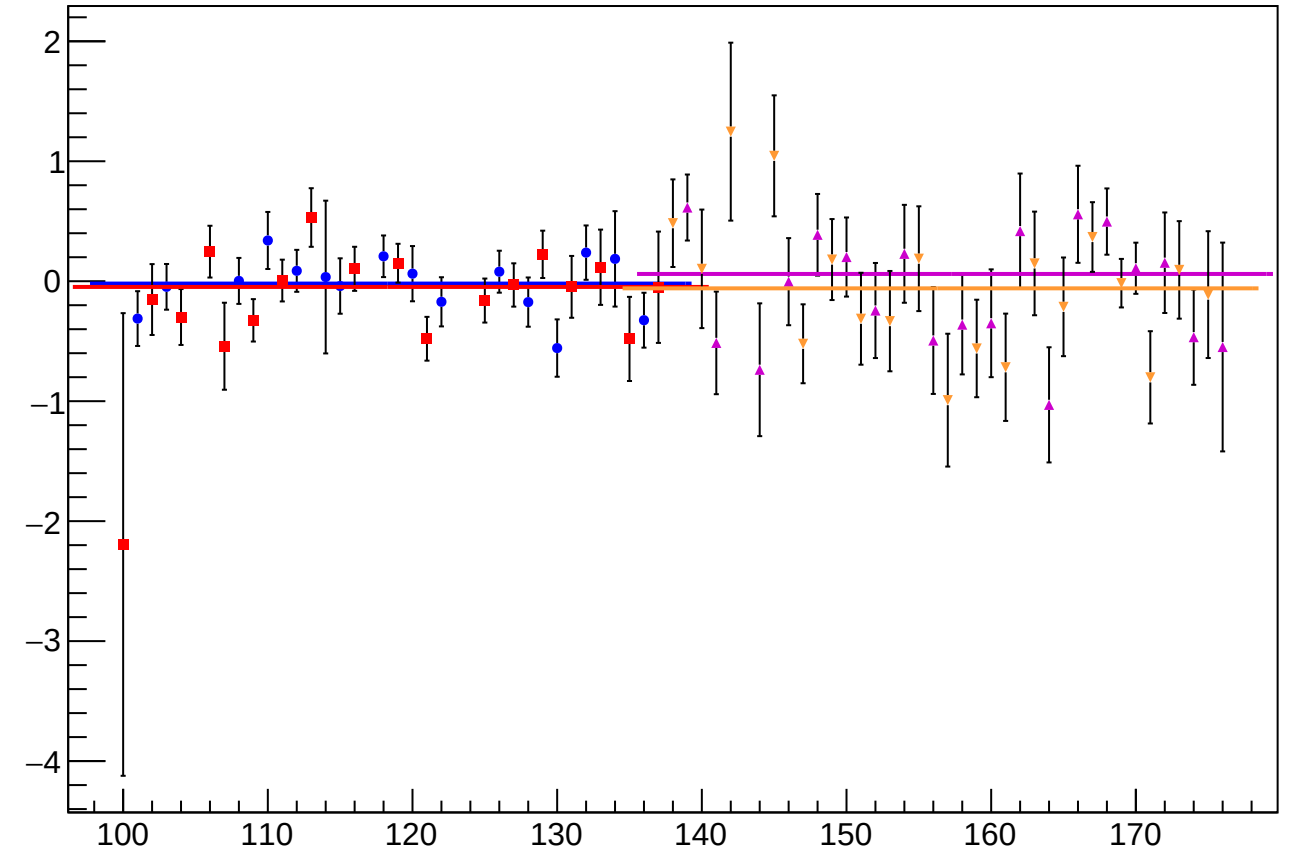
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.005+/-0.000 χ^2/NDF:10255540.5/18

+ sign 0.005+/-0.000 χ^2/NDF: 16380725.0/34

All: 0.005+/-0.000 χ^2/NDF: 31665715.8/71

- sign 0.005+/-0.000 χ^2/NDF: 15284568.3/36



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.059+/-0.087 χ^2/NDF:26.9/18

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

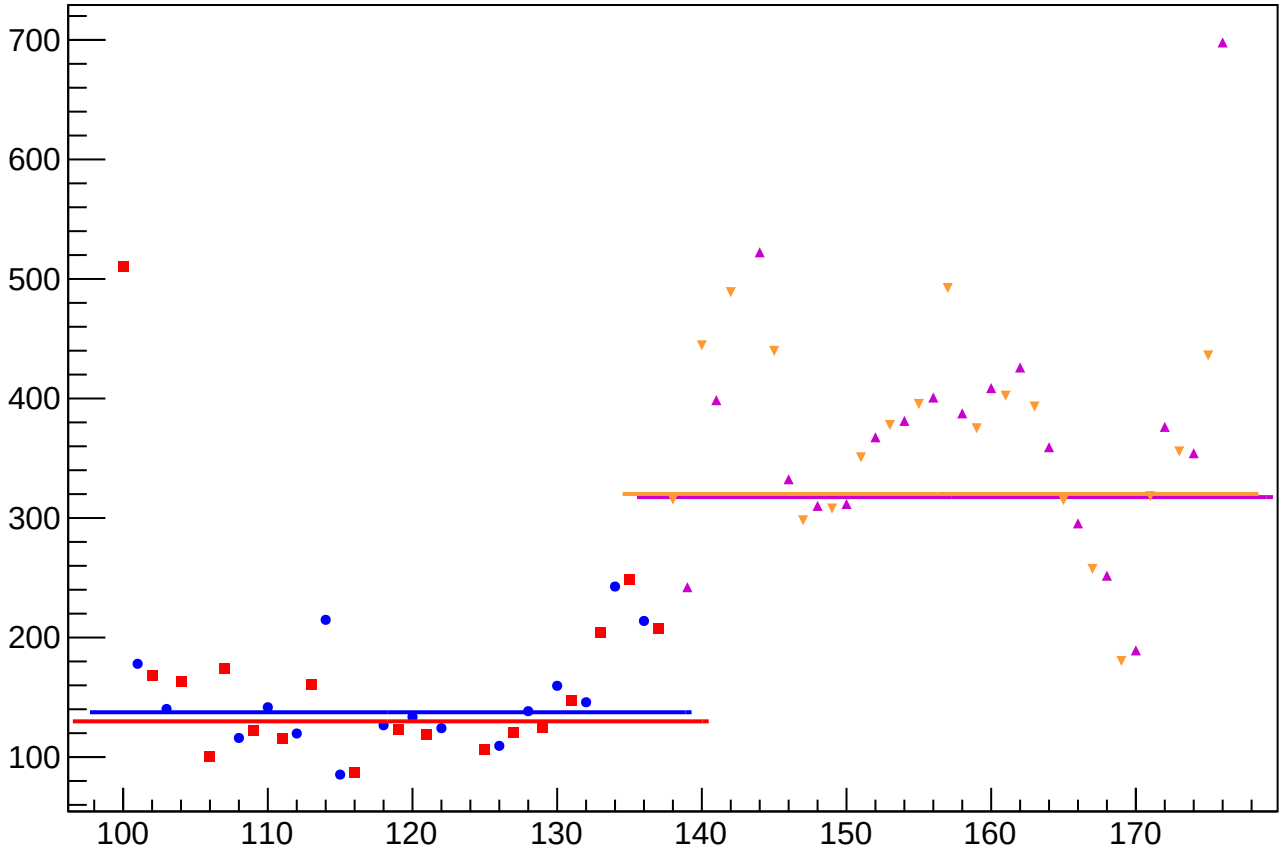
Left In: 0.060+/-0.085 χ^2/NDF:25.3/18

+ sign -0.031+/-0.046 χ^2/NDF: 43.0/34

All: -0.024+/-0.032 χ^2/NDF: 95.9/71

- sign -0.018+/-0.045 χ^2/NDF: 52.8/36

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: 320.117+/-0.062 χ^2/NDF:1980364.8/18

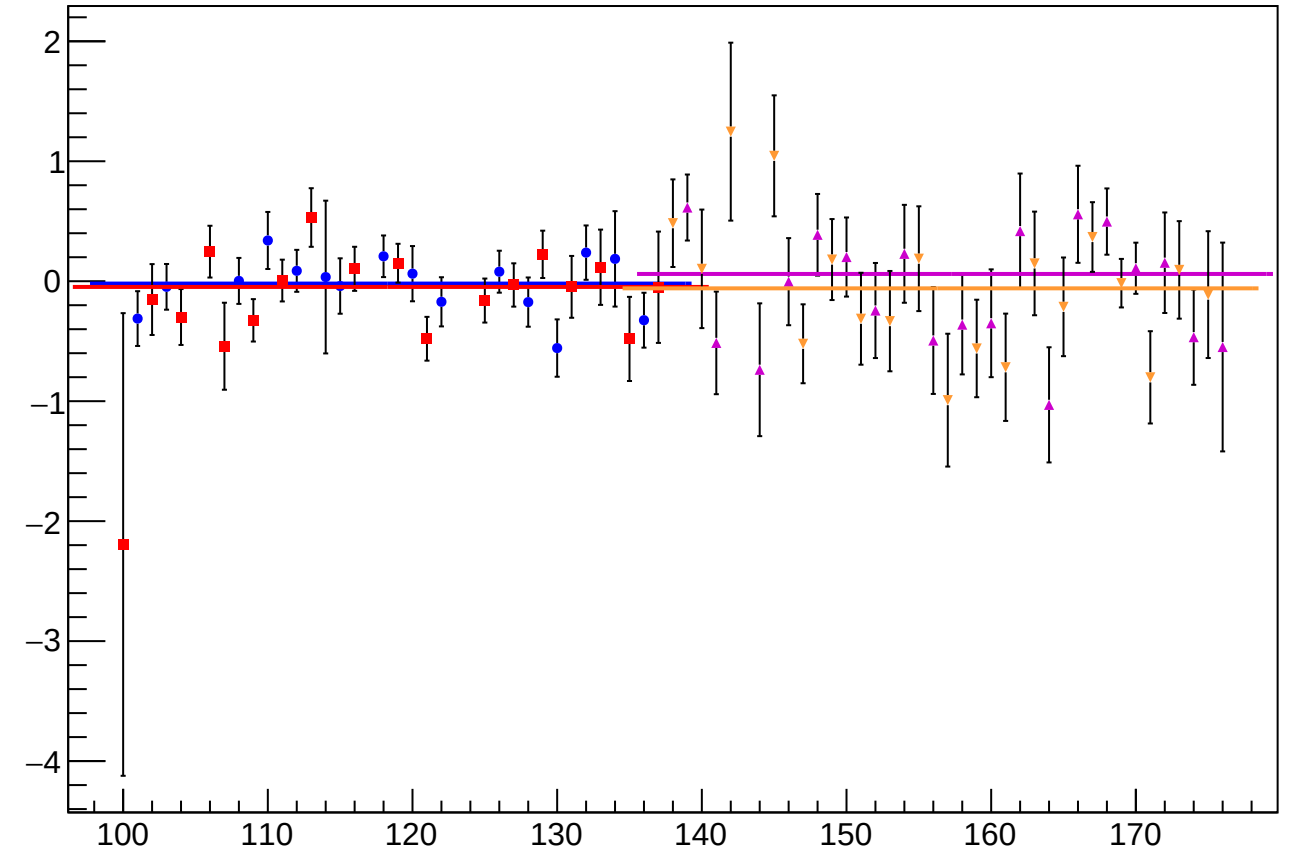
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 317.518+/-0.060 χ^2/NDF:2189444.1/18

+ sign 188.367+/-0.033 χ^2/NDF: 8997446.4/34

All: 184.980+/-0.023 χ^2/NDF: 19110513.3/71

- sign 181.795+/-0.032 χ^2/NDF: 10092059.4/36



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.059+/-0.087 χ^2/NDF:26.9/18

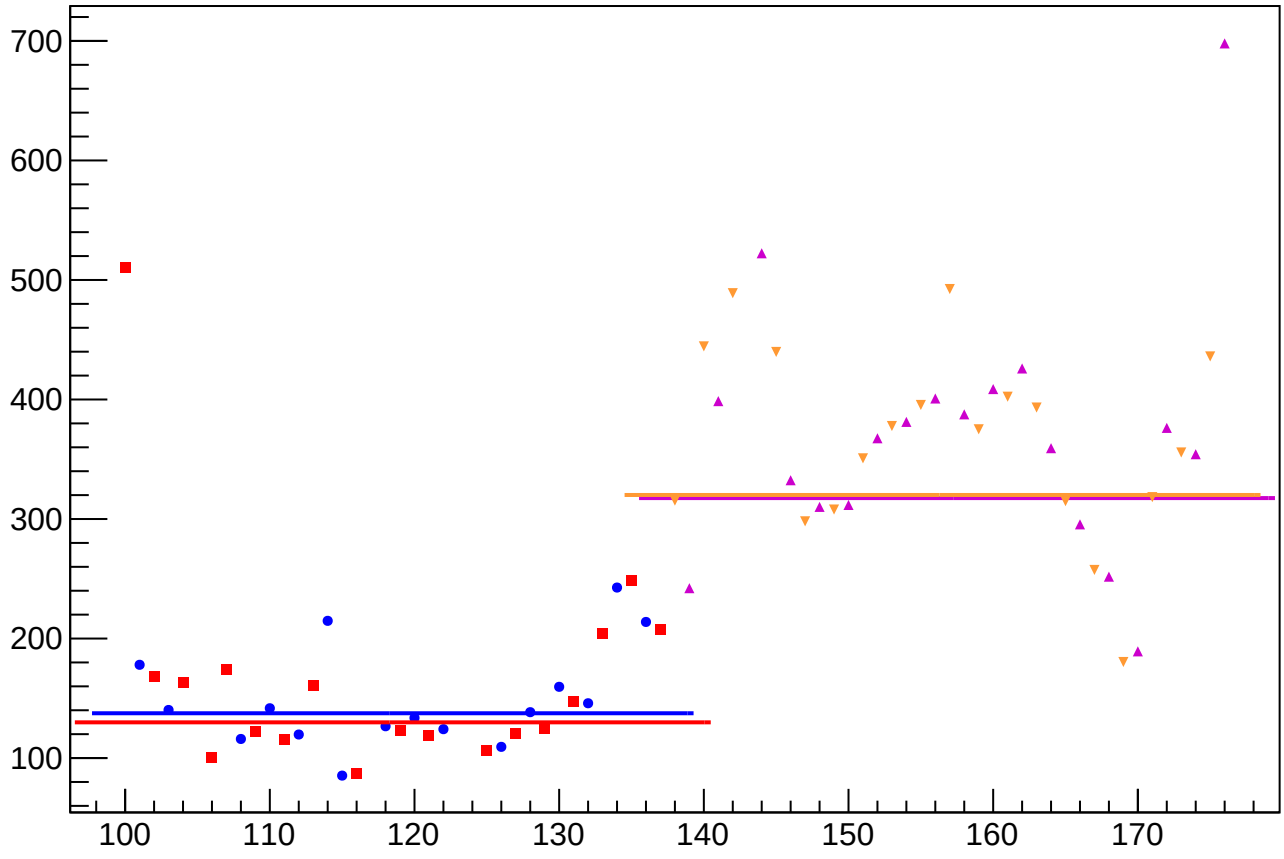
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.060+/-0.085 χ^2/NDF:25.3/18

+ sign -0.031+/-0.046 χ^2/NDF: 43.0/34

All: -0.024+/-0.032 χ^2/NDF: 95.9/71

- sign -0.018+/-0.045 χ^2/NDF: 52.8/36



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 320.117+/-0.062 χ^2/NDF:1980364.8/18

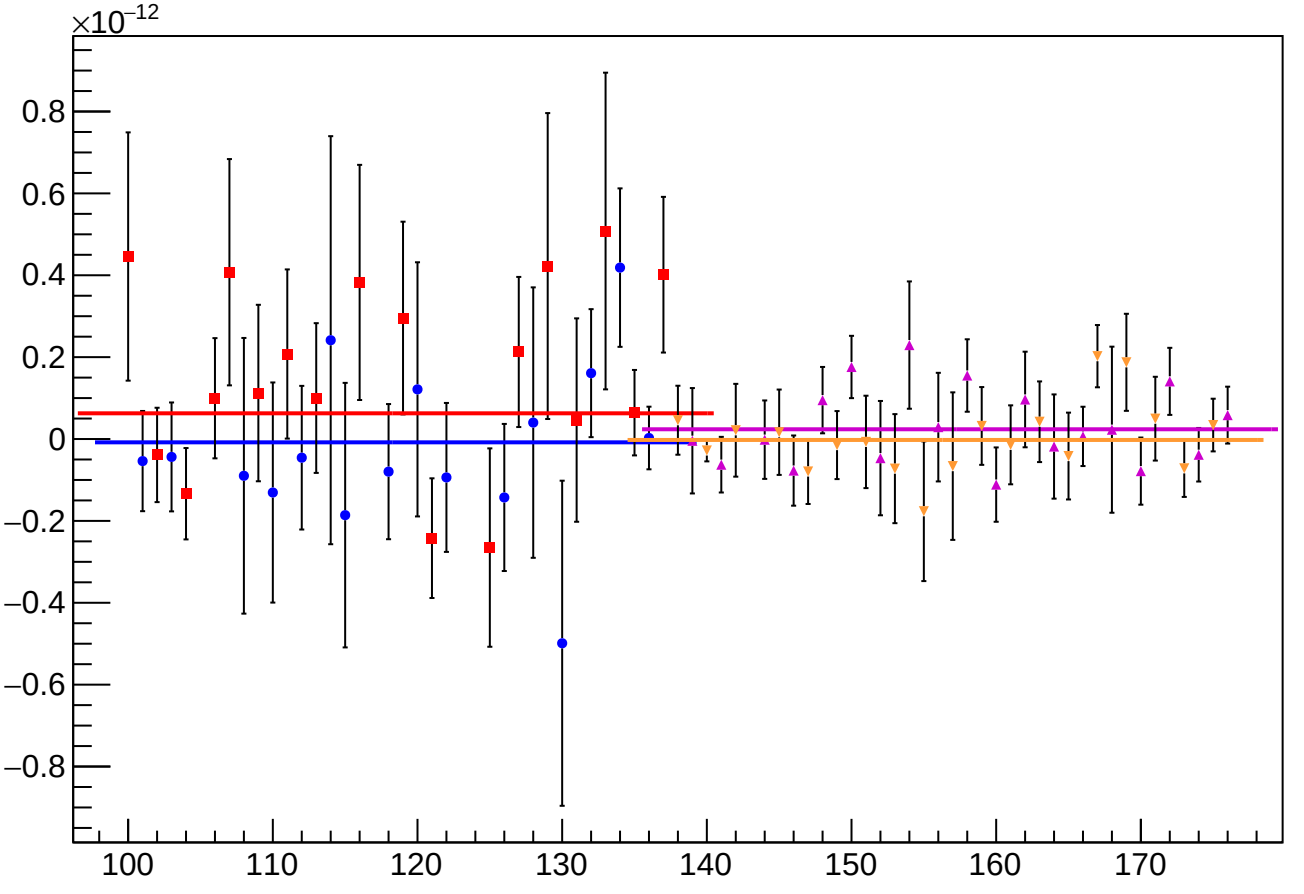
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 317.518+/-0.060 χ^2/NDF:2189444.1/18

+ sign 188.367+/-0.033 χ^2/NDF: 8997446.4/34

All: 184.980+/-0.023 χ^2/NDF: 19110513.3/71

- sign 181.795+/-0.032 χ^2/NDF: 10092059.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/18

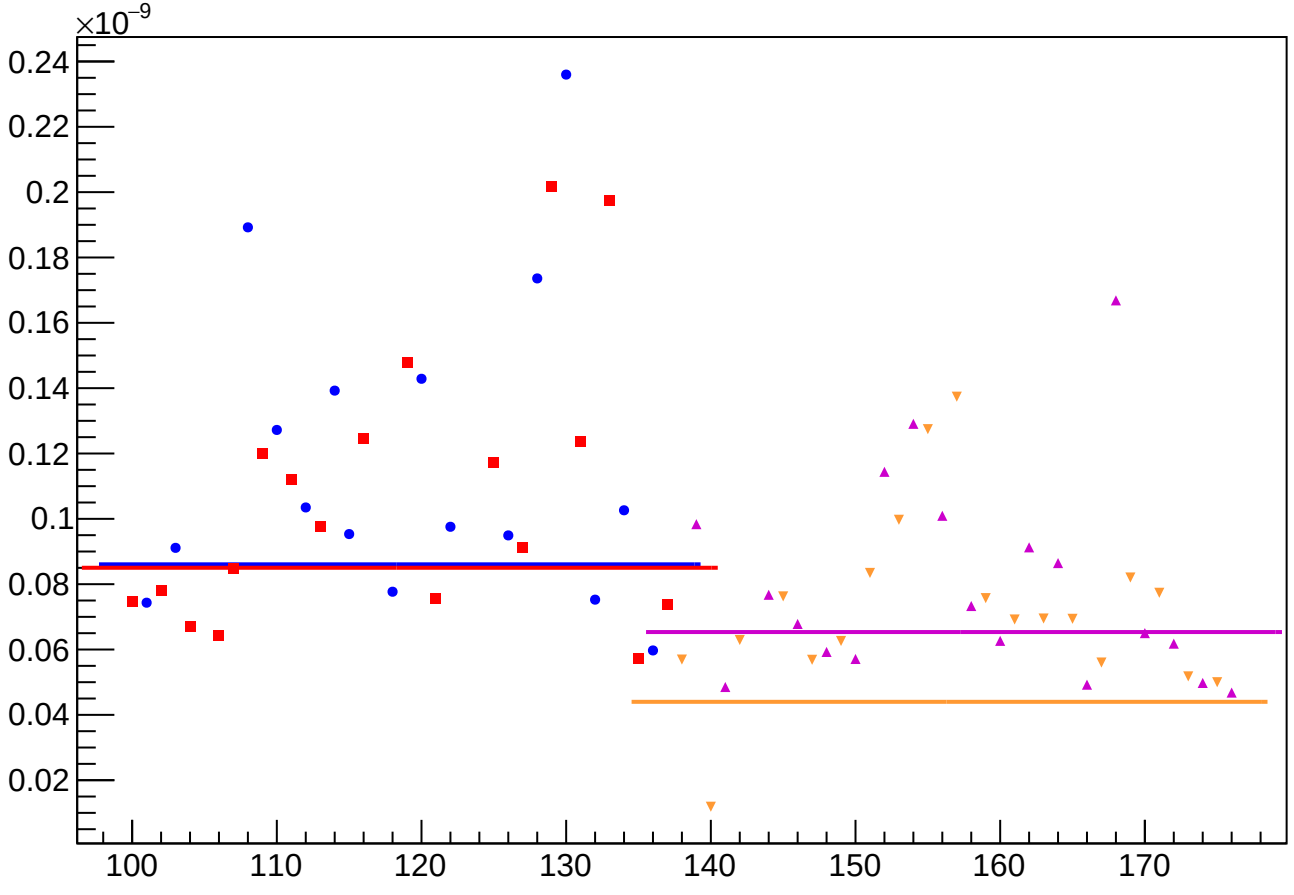
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:19.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 25.4/34

All: 0.000+/-0.000 χ^2/NDF: 69.9/71

- sign 0.000+/-0.000 χ^2/NDF: 42.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6075533.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

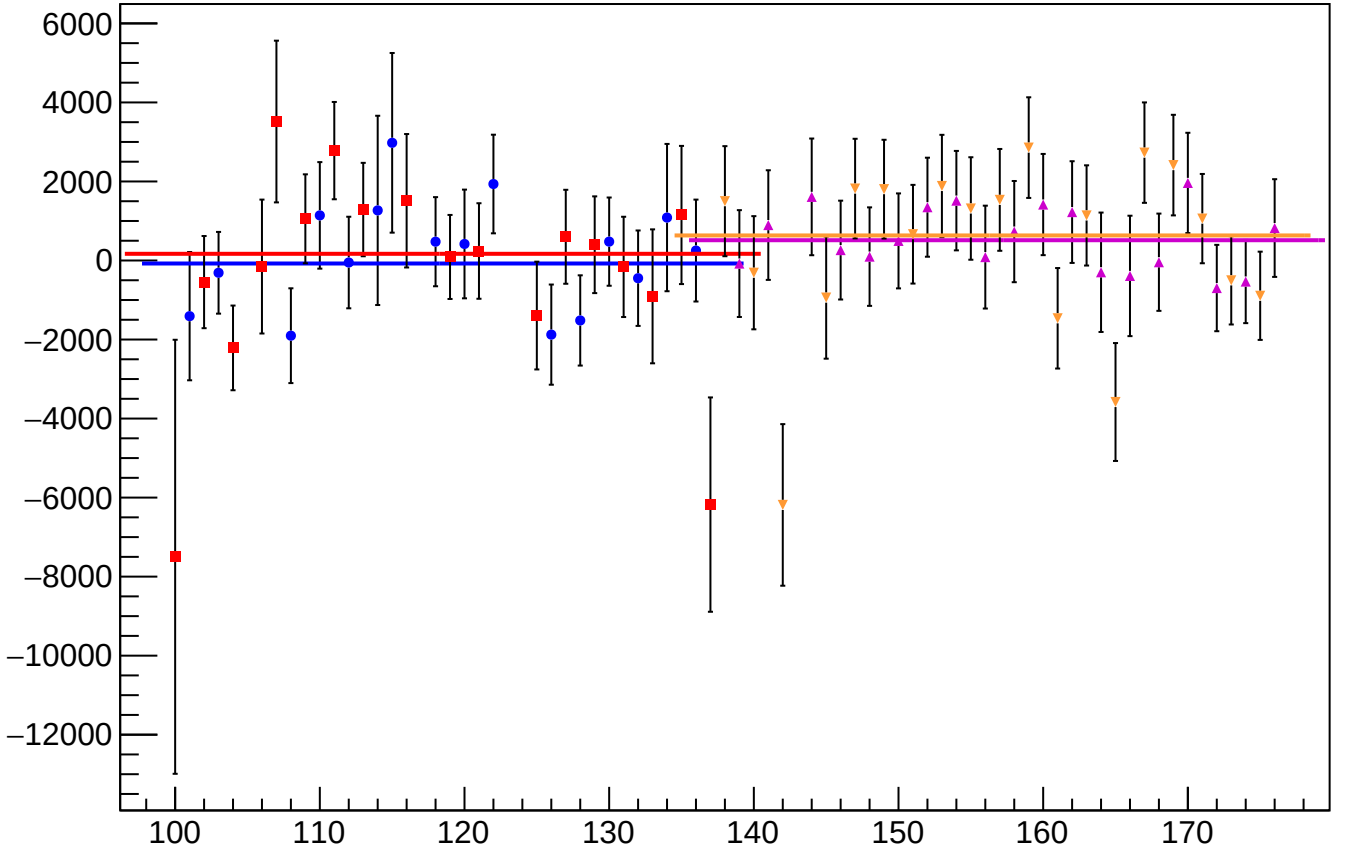
Left In: 0.000+/-0.000 χ^2/NDF:2076791.7/18

\+ sign 0.000+/-0.000 χ^2/NDF: 8836905.6/34

All: 0.000+/-0.000 χ^2/NDF: 13512609.2/71

\- sign 0.000+/-0.000 χ^2/NDF: 3416804.1/36

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 634.032+/-297.533 χ^2/NDF:38.1/18

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

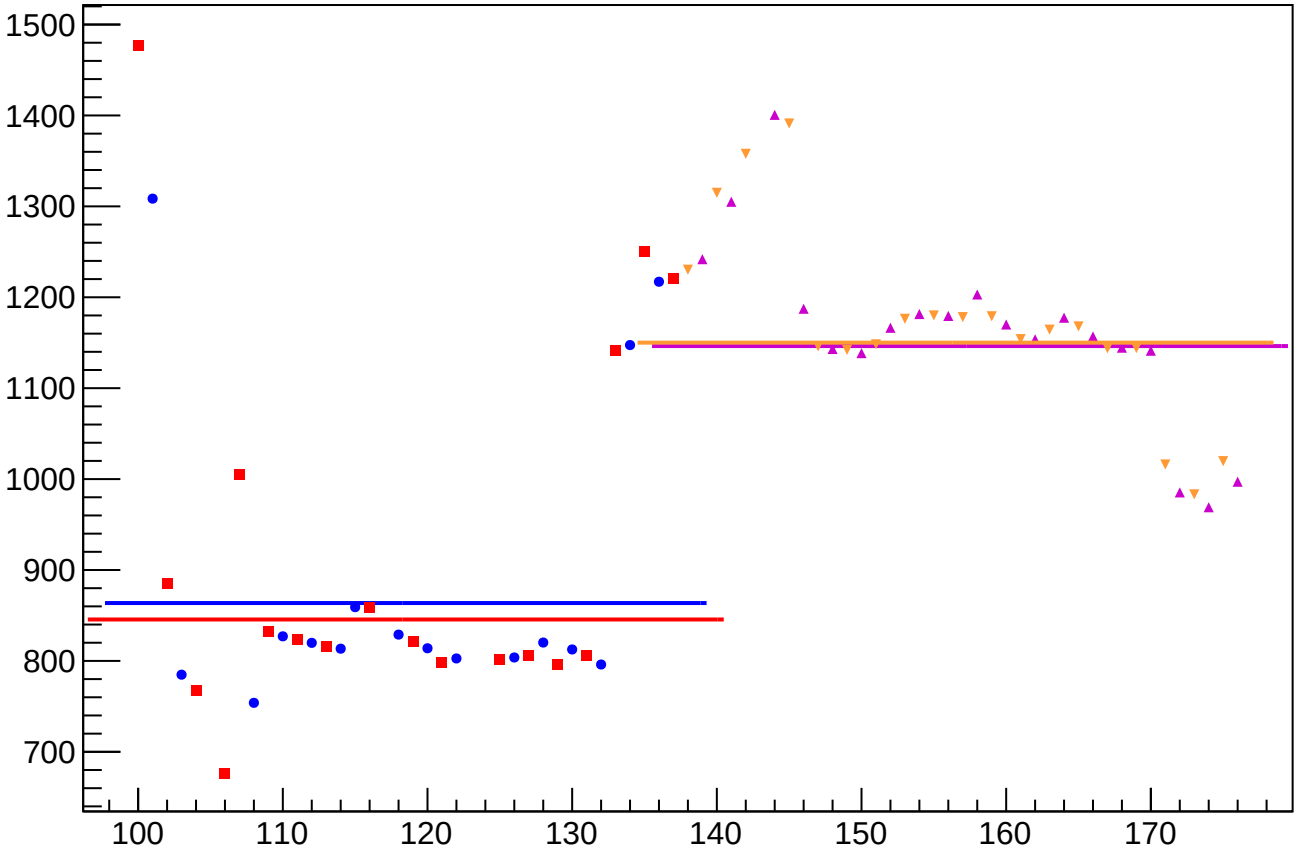
Left In: 513.119+/-292.013 χ^2/NDF:7.4/18

+ sign 311.634+/-219.833 χ^2/NDF: 54.0/34

All: 335.141+/-154.166 χ^2/NDF: 86.5/71

- sign 357.890+/-216.258 χ^2/NDF: 32.4/36

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1150.110+/-0.210 χ^2/NDF:207058.5/18

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

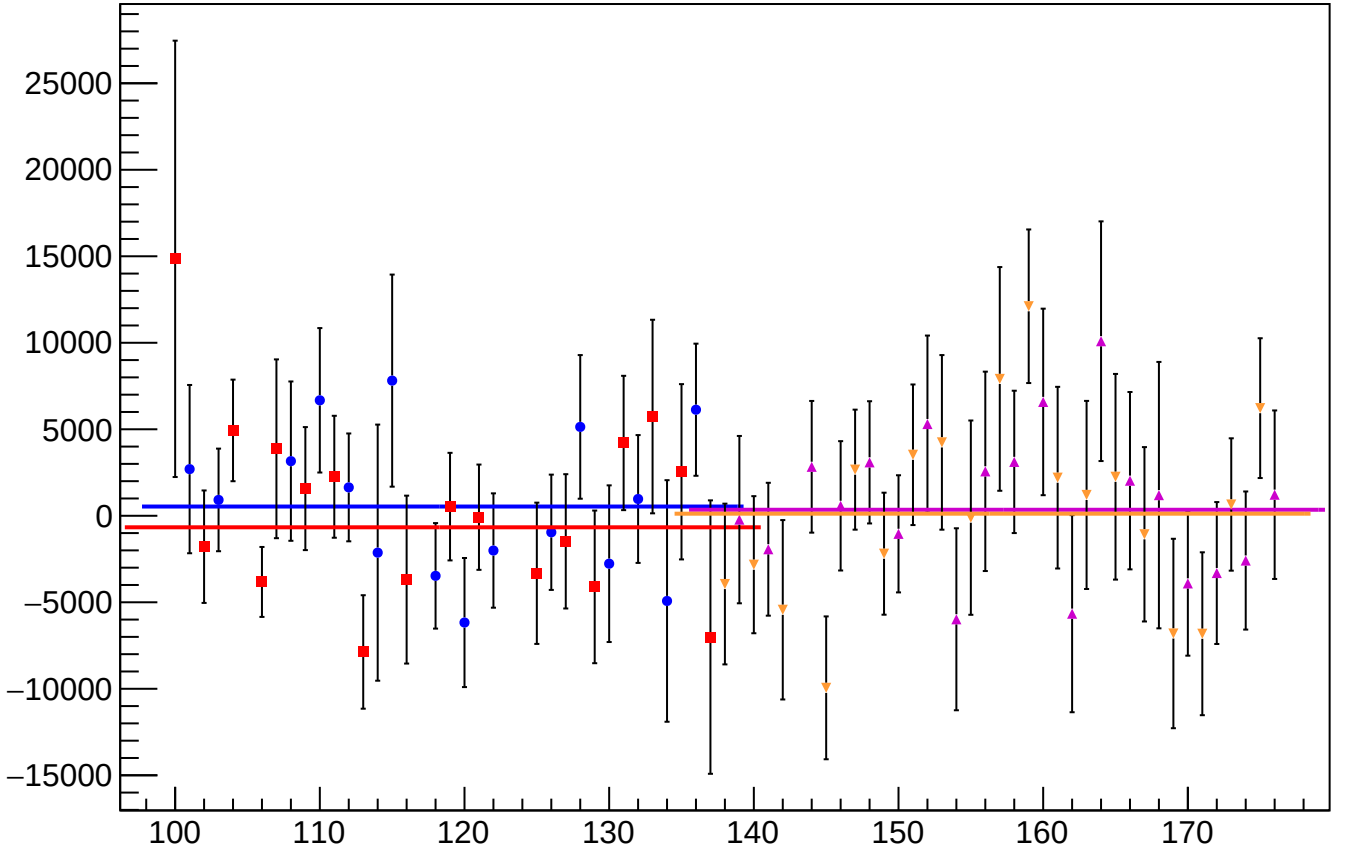
Left In: 1146.333+/-0.206 χ^2/NDF:236090.9/18

+ sign 1020.035+/-0.155 χ^2/NDF: 1456341.4/34

All: 1014.229+/-0.109 χ^2/NDF: 2973981.0/71

- sign 1008.674+/-0.152 χ^2/NDF: 1514910.3/36

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 120.302+/-1041.712 χ^2/NDF:26.0/18

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

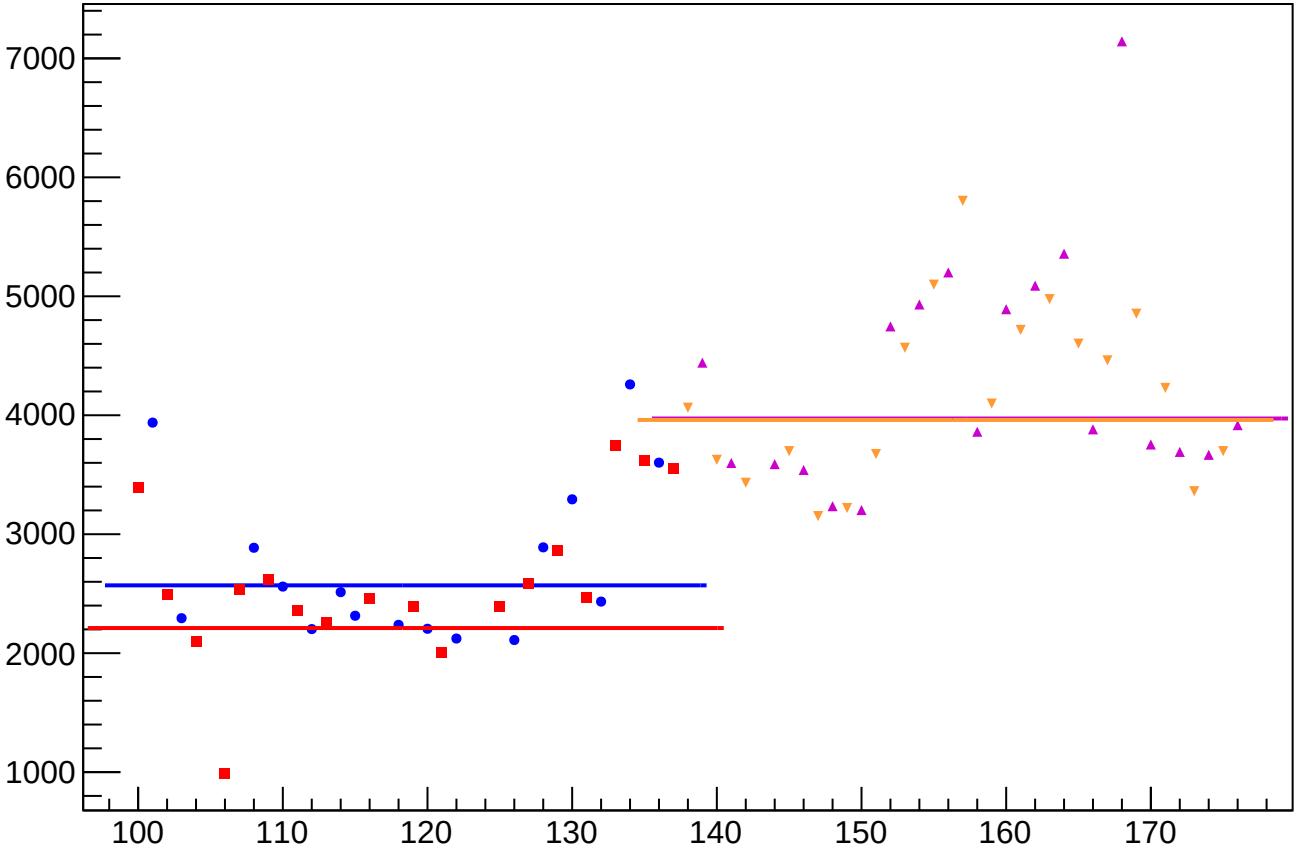
Left In: 347.505+/-1028.812 χ^2/NDF:11.5/18

+ sign 339.765+/-714.283 χ^2/NDF: 40.7/34

All: 24.580+/-485.564 χ^2/NDF: 73.1/71

- sign -246.209+/-662.068 χ^2/NDF: 32.0/36

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3960.492+/-0.737 χ^2/NDF:797787.6/18

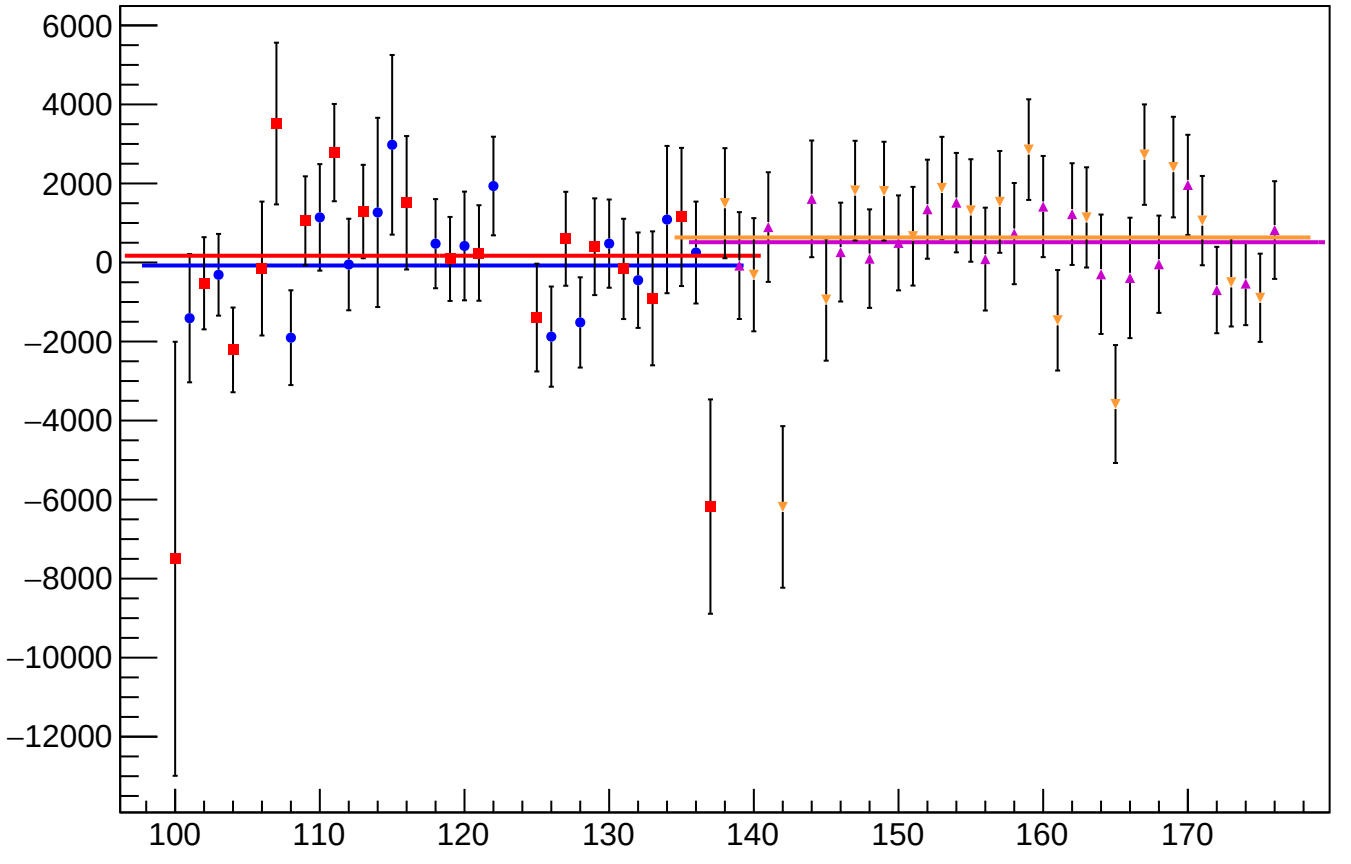
Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3972.703+/-0.727 χ^2/NDF:1061443.4/18

+ sign 3223.825+/-0.505 χ^2/NDF: 3347965.7/34

All: 3071.551+/-0.343 χ^2/NDF: 9277223.7/71

- sign 2940.726+/-0.468 χ^2/NDF: 5760271.9/36



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 634.030+/-297.533 χ^2/NDF:38.1/18

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

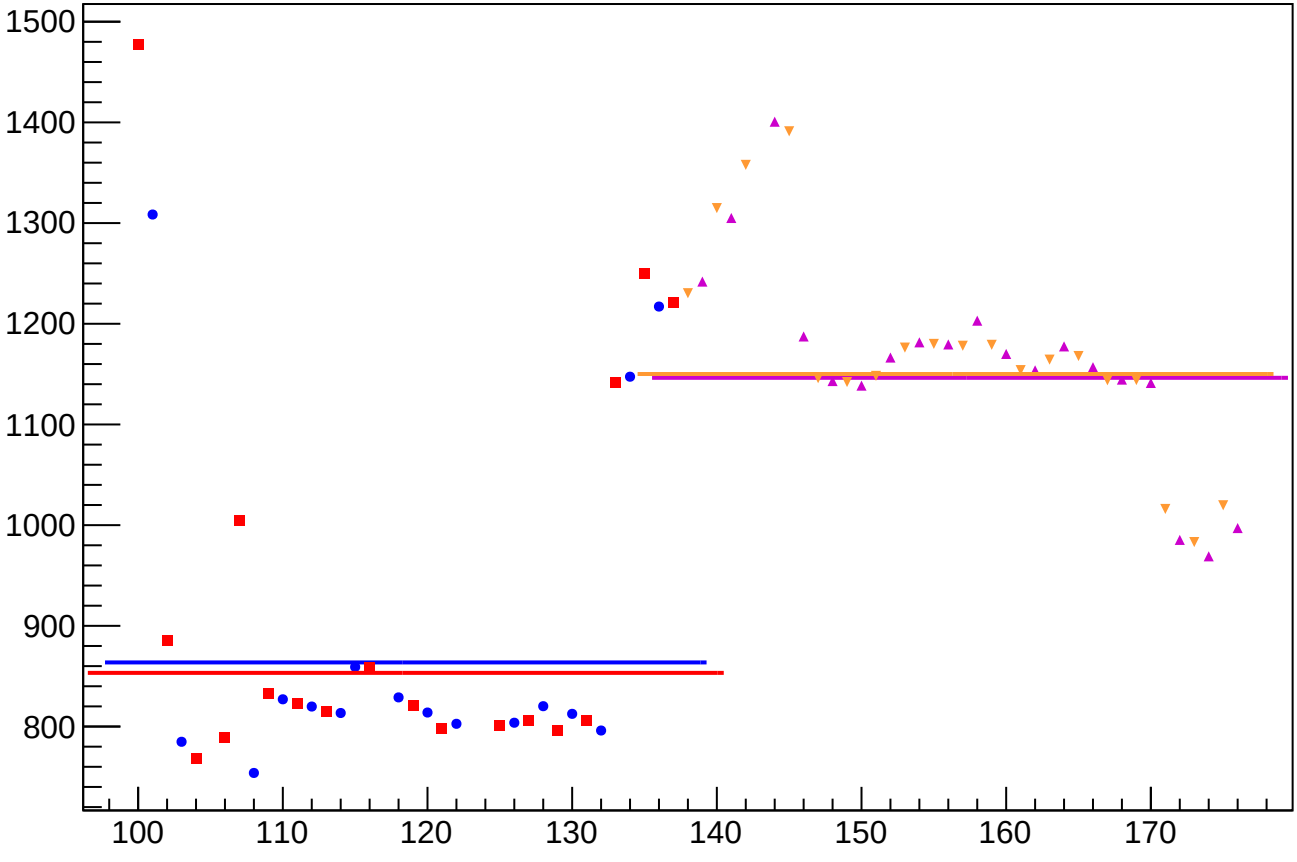
Left In: 513.105+/-292.013 χ^2/NDF:7.4/18

\+ sign 311.598+/-219.833 χ^2/NDF: 54.0/34

All: 335.496+/-154.167 χ^2/NDF: 86.4/71

\- sign 358.624+/-216.260 χ^2/NDF: 32.4/36

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1150.110+/-0.210 χ^2/NDF:207058.5/18

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

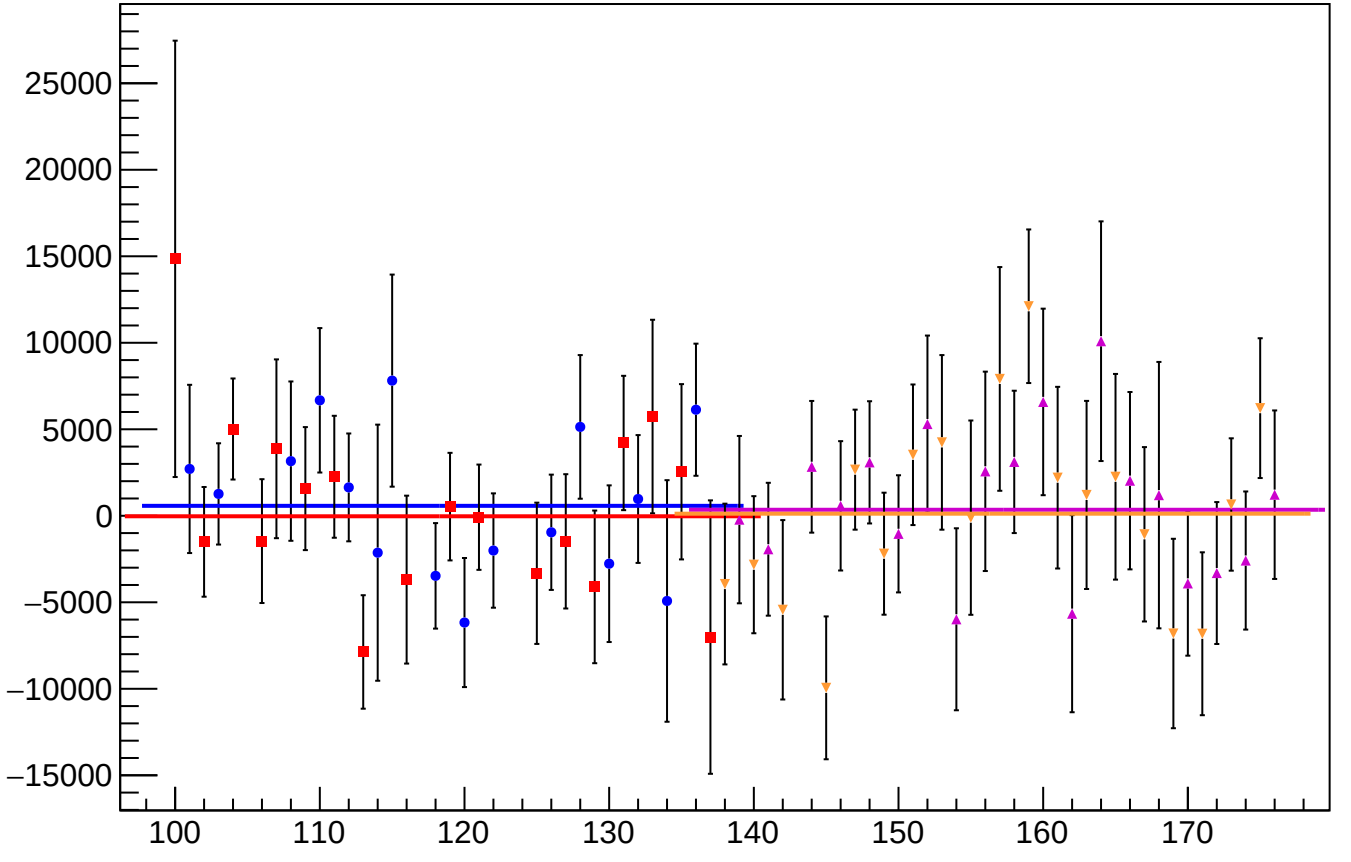
Left In: 1146.333+/-0.206 χ^2/NDF:236090.9/18

+ sign 1020.035+/-0.155 χ^2/NDF: 1456341.6/34

All: 1016.584+/-0.109 χ^2/NDF: 2883381.1/71

- sign 1013.261+/-0.153 χ^2/NDF: 1426072.4/36

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 120.308+/-1041.712 χ^2/NDF:26.0/18

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

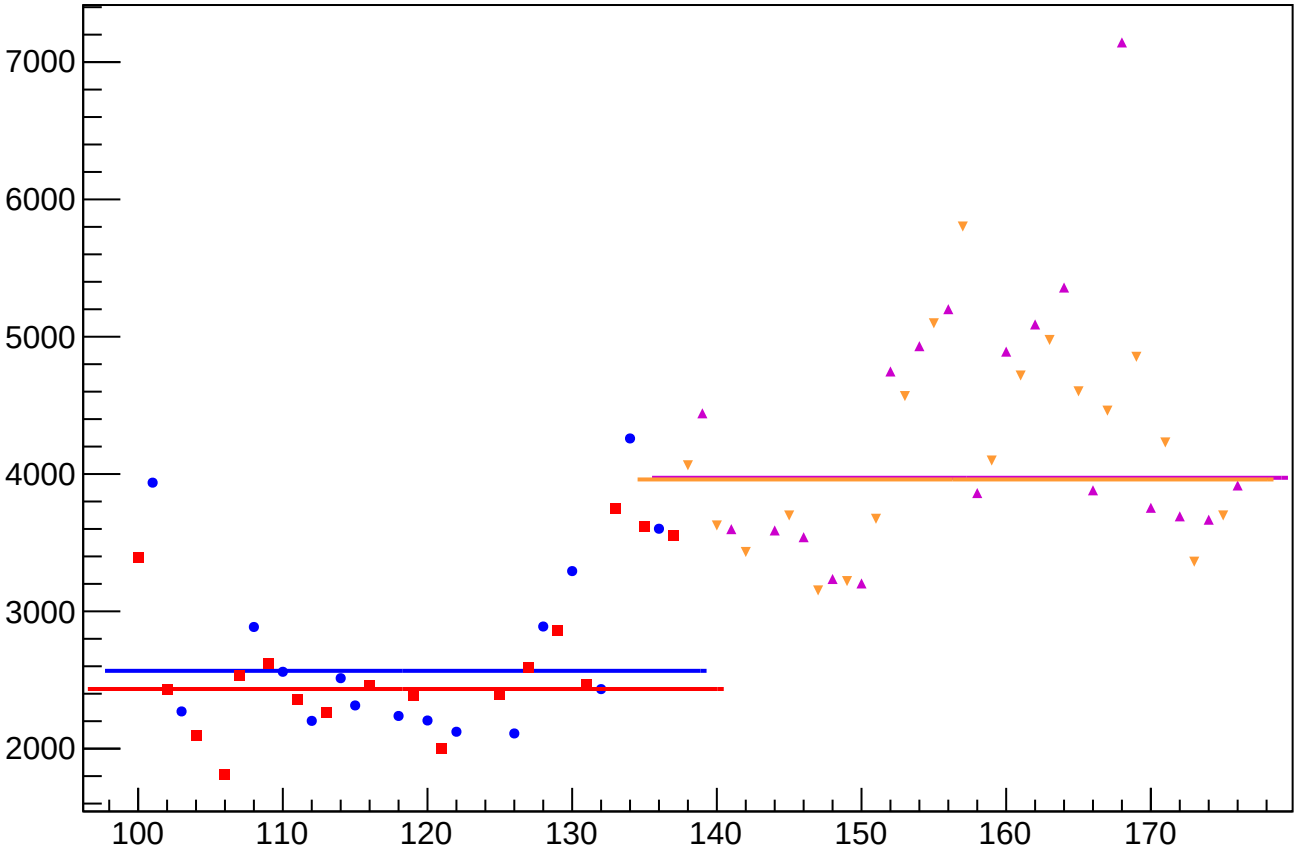
Left In: 347.559+/-1028.811 χ^2/NDF:11.5/18

+ sign 361.535+/-713.729 χ^2/NDF: 40.8/34

All: 245.951+/-494.838 χ^2/NDF: 69.6/71

- sign 138.966+/-686.667 χ^2/NDF: 28.8/36

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3960.494+/-0.737 χ^2/NDF:797784.0/18

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

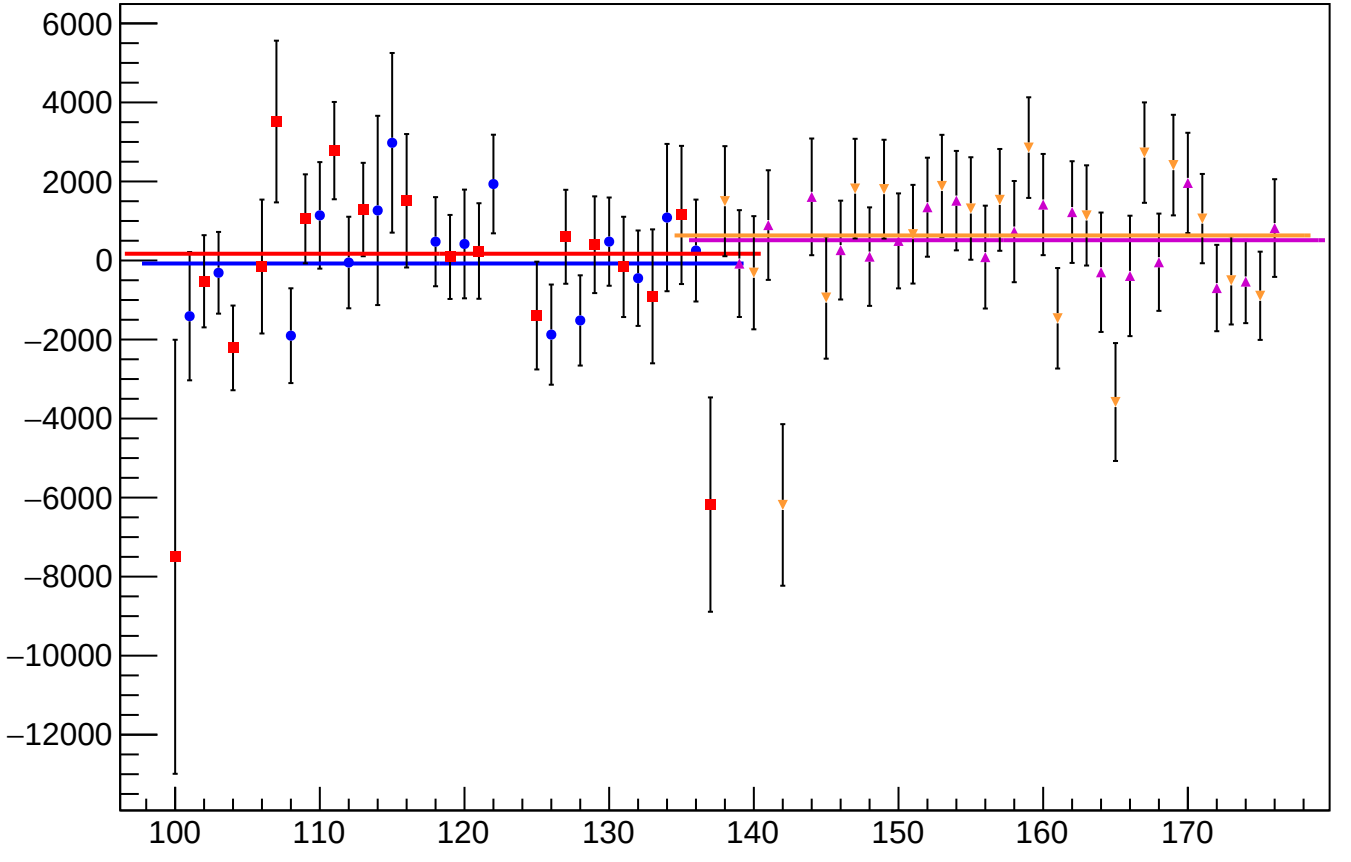
Left In: 3972.698+/-0.727 χ^2/NDF:1061446.6/18

+ sign 3221.007+/-0.505 χ^2/NDF: 3363219.2/34

All: 3168.390+/-0.350 χ^2/NDF: 7359068.9/71

- sign 3119.687+/-0.486 χ^2/NDF: 3974919.0/36

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 634.030+/-297.533 χ^2/NDF:38.1/18

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

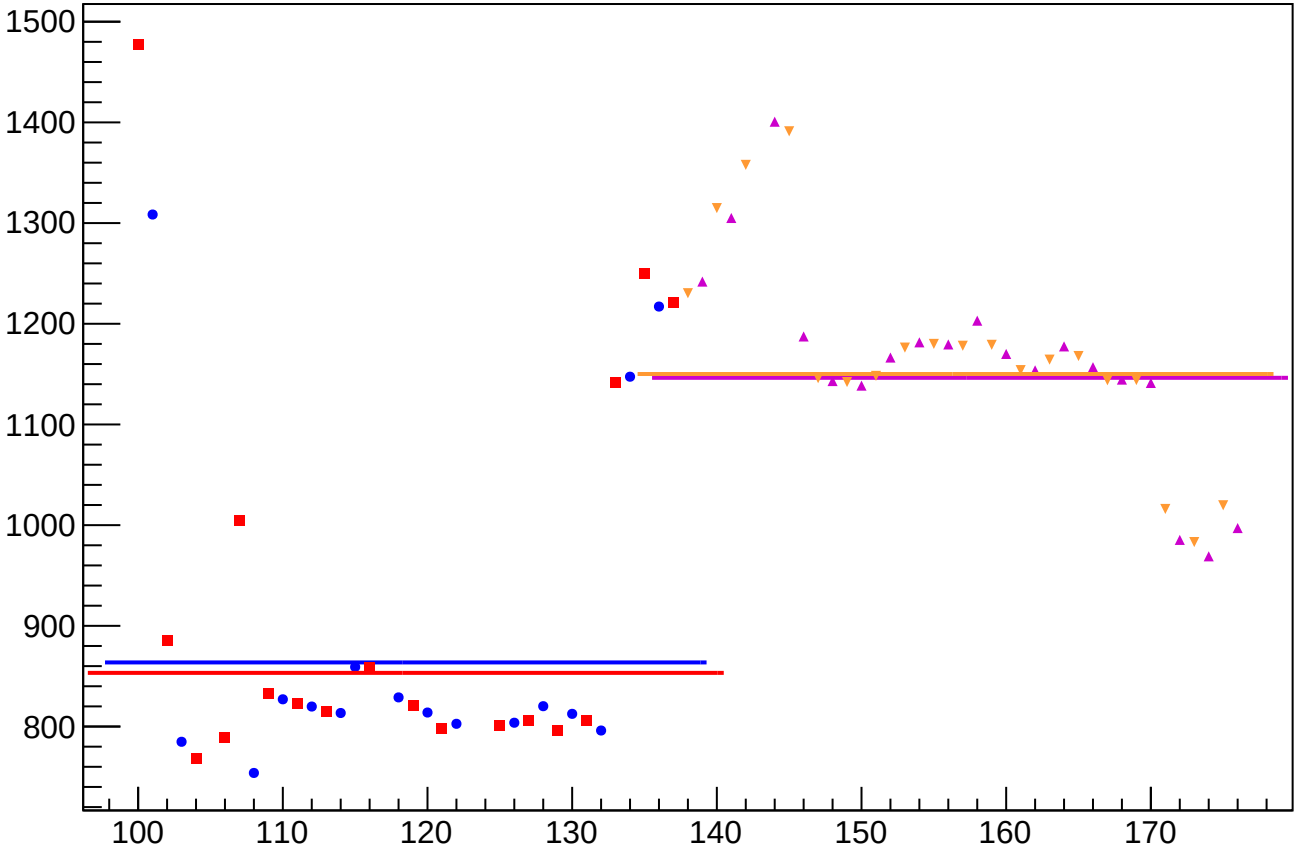
Left In: 513.105+/-292.013 χ^2/NDF:7.4/18

+ sign 311.598+/-219.833 χ^2/NDF: 54.0/34

All: 335.496+/-154.167 χ^2/NDF: 86.4/71

- sign 358.624+/-216.260 χ^2/NDF: 32.4/36

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1150.110+/-0.210 χ^2/NDF:207058.5/18

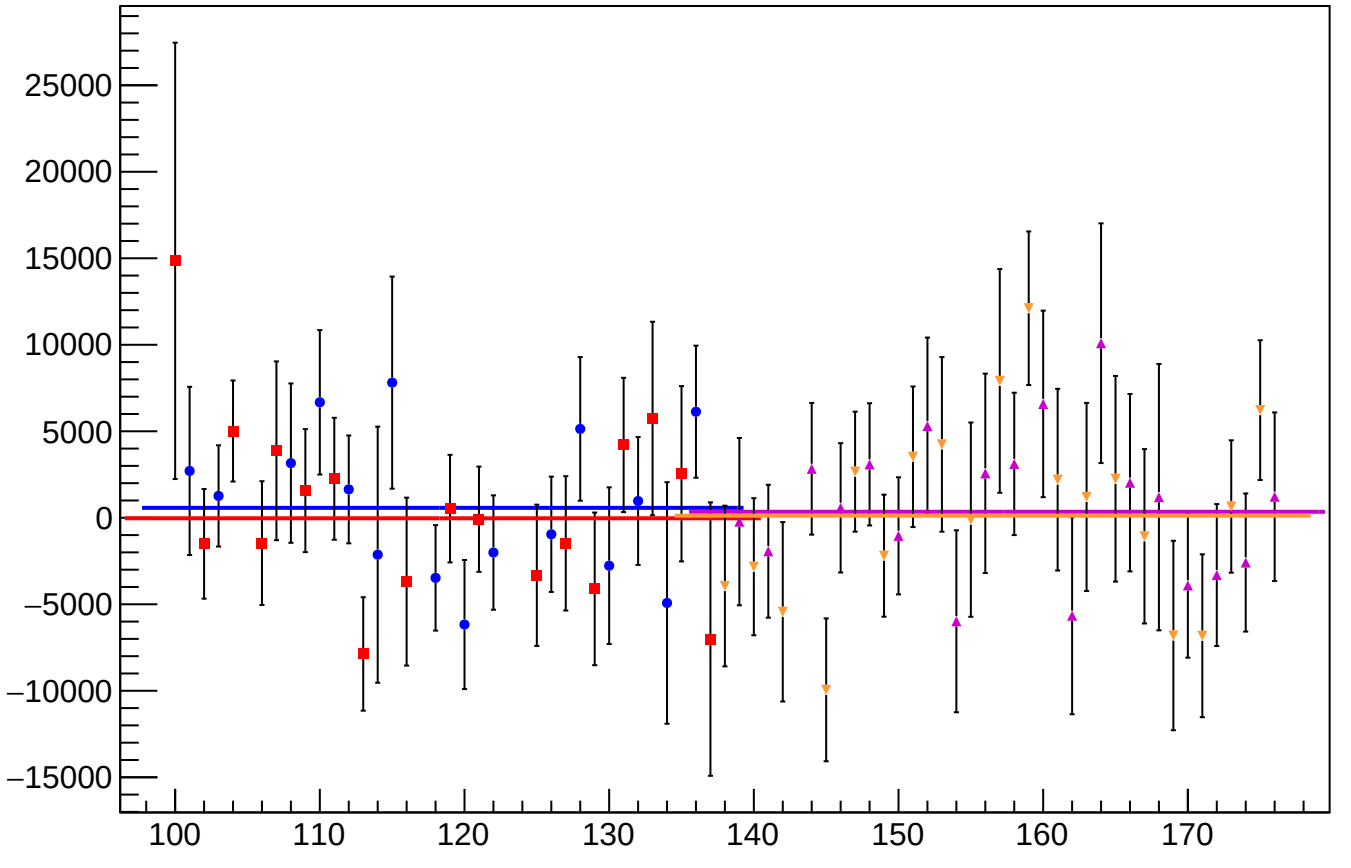
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1146.333+/-0.206 χ^2/NDF:236090.9/18

+ sign 1020.035+/-0.155 χ^2/NDF: 1456341.6/34

All: 1016.584+/-0.109 χ^2/NDF: 2883381.1/71

- sign 1013.261+/-0.153 χ^2/NDF: 1426072.4/36



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 120.308+/-1041.712 χ^2/NDF:26.0/18

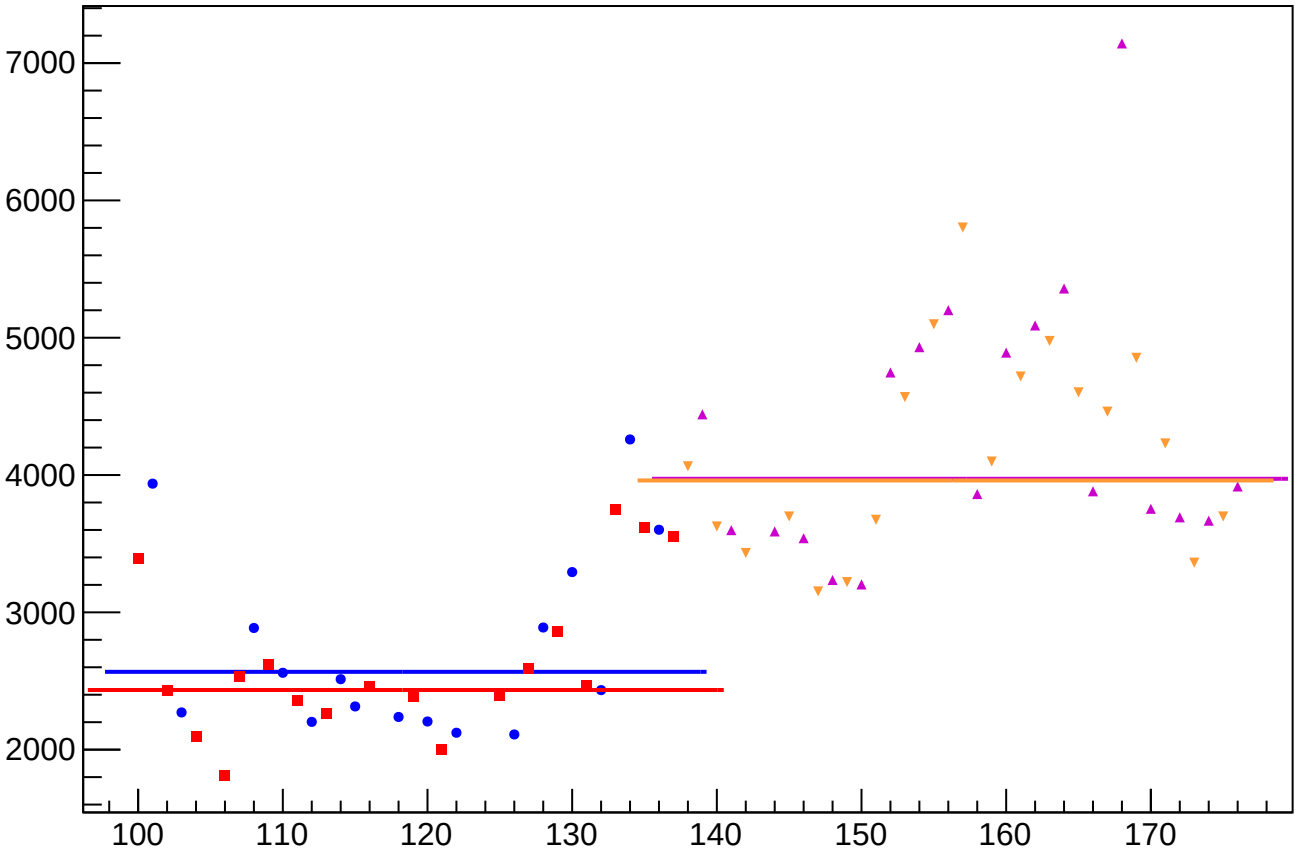
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 347.559+/-1028.811 χ^2/NDF:11.5/18

+ sign 361.535+/-713.729 χ^2/NDF: 40.8/34

All: 245.951+/-494.838 χ^2/NDF: 69.6/71

- sign 138.966+/-686.667 χ^2/NDF: 28.8/36



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3960.494+/-0.737 χ^2/NDF:797784.0/18

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

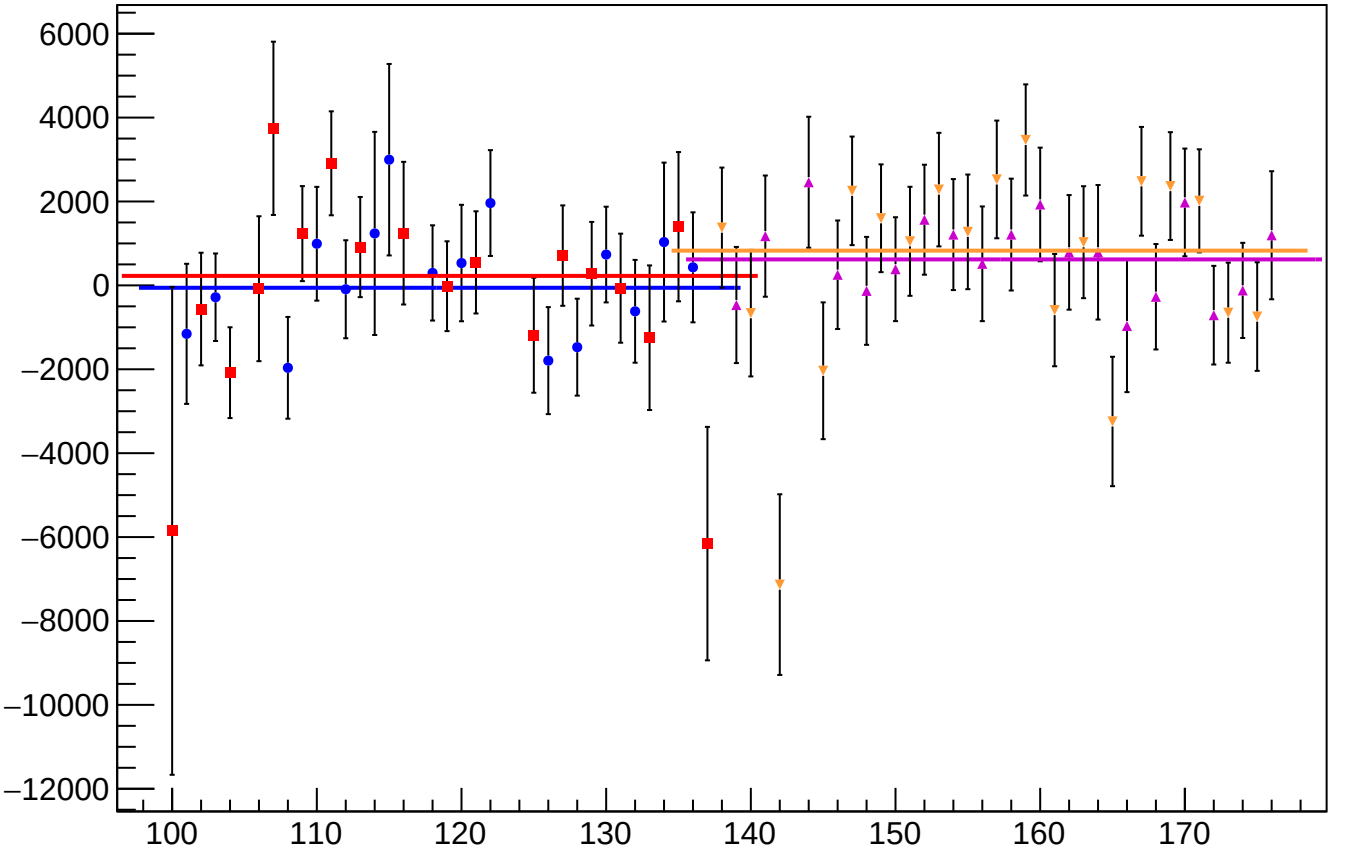
Left In: 3972.698+/-0.727 χ^2/NDF:1061446.6/18

+ sign 3221.007+/-0.505 χ^2/NDF: 3363219.2/34

All: 3168.390+/-0.350 χ^2/NDF: 7359068.9/71

- sign 3119.687+/-0.486 χ^2/NDF: 3974919.0/36

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 828.290+/-313.460 χ^2/NDF:41.3/18

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

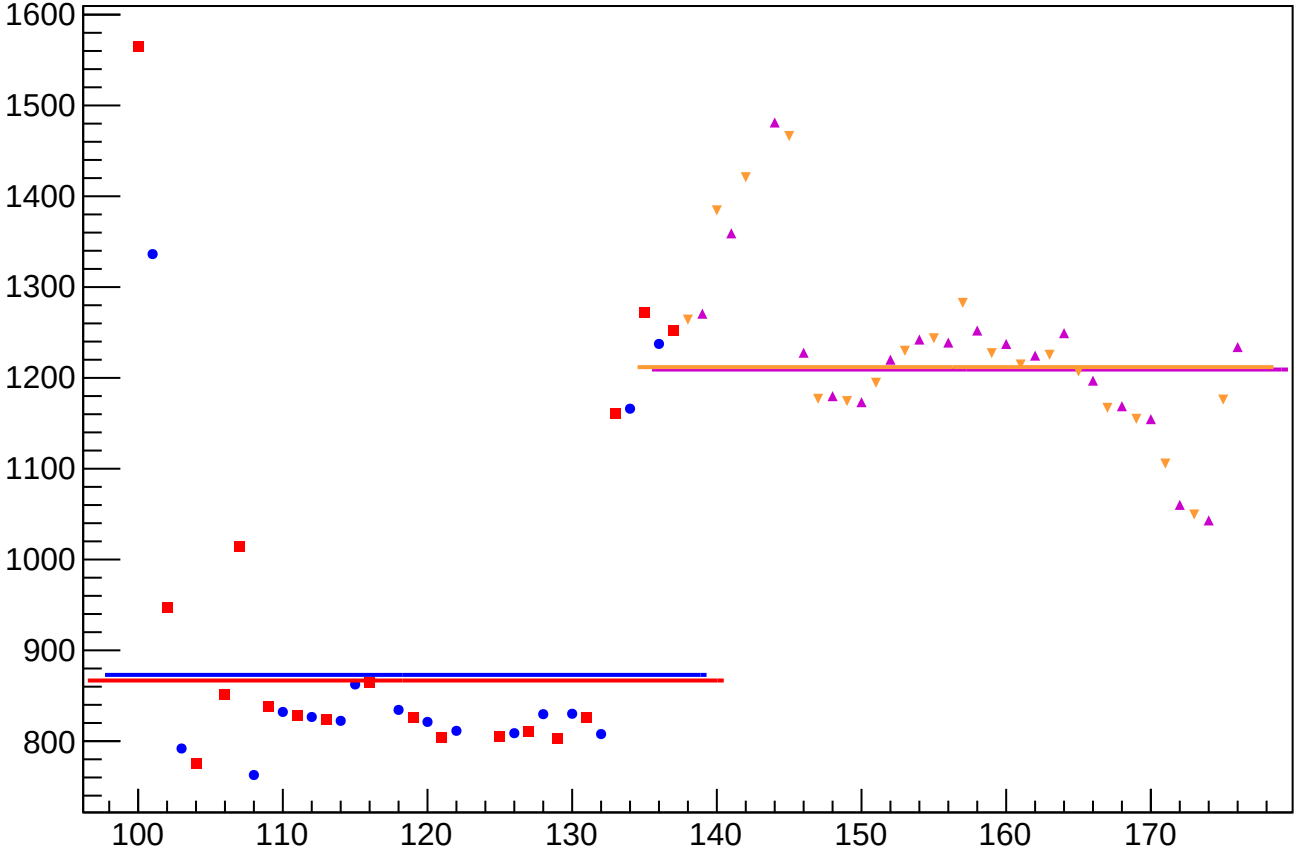
Left In: 619.043+/-307.757 χ^2/NDF:9.0/18

+ sign 408.405+/-227.301 χ^2/NDF: 58.1/34

All: 421.920+/-159.710 χ^2/NDF: 90.7/71

- sign 435.099+/-224.455 χ^2/NDF: 32.7/36

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1211.876+/-0.222 χ^2/NDF:166819.7/18

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

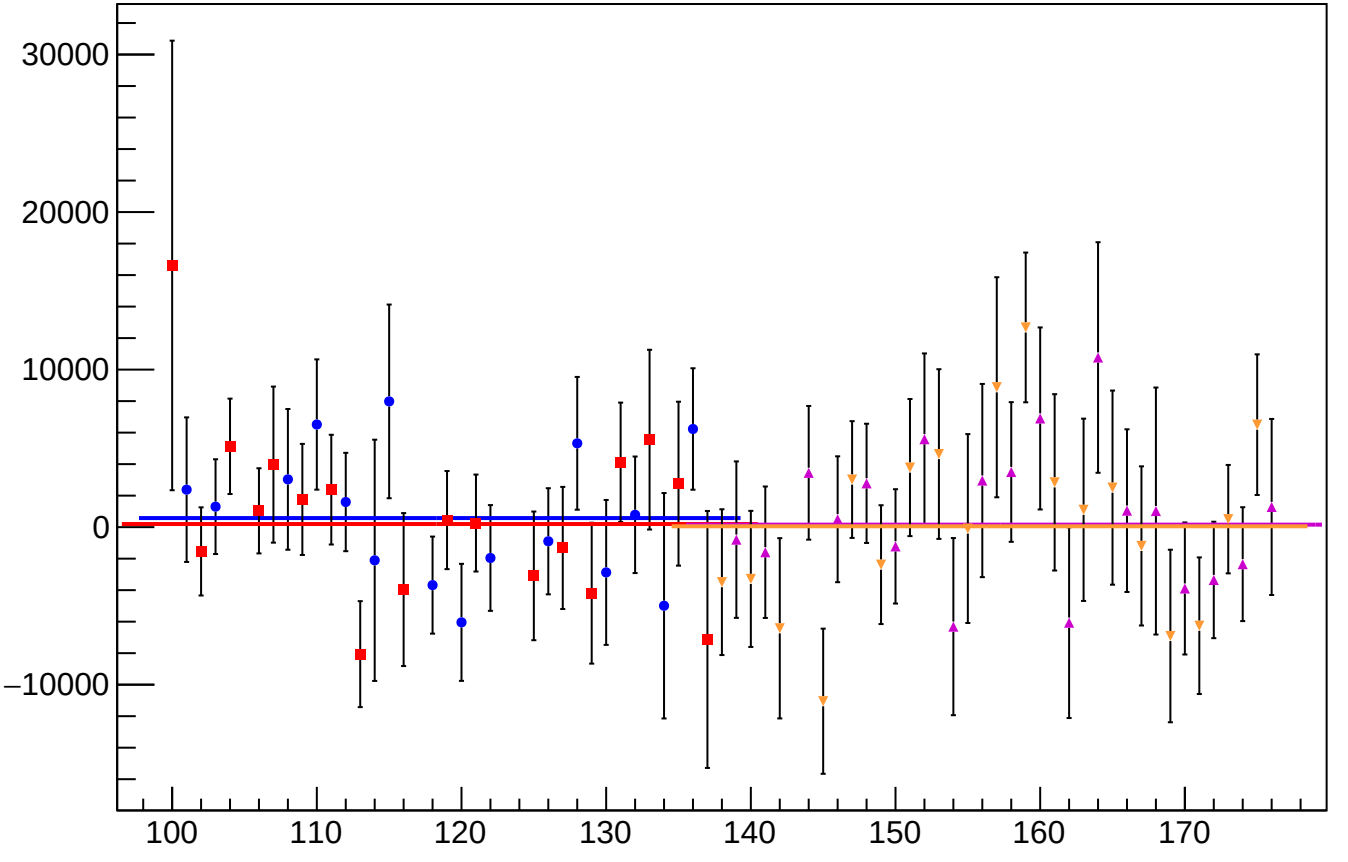
Left In: 1209.213+/-0.218 χ^2/NDF:177493.8/18

+ sign 1051.174+/-0.161 χ^2/NDF: 1692486.6/34

All: 1049.947+/-0.113 χ^2/NDF: 3320779.3/71

- sign 1048.752+/-0.159 χ^2/NDF: 1628177.6/36

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 54.160+/-1085.003 χ^2/NDF:25.8/18

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

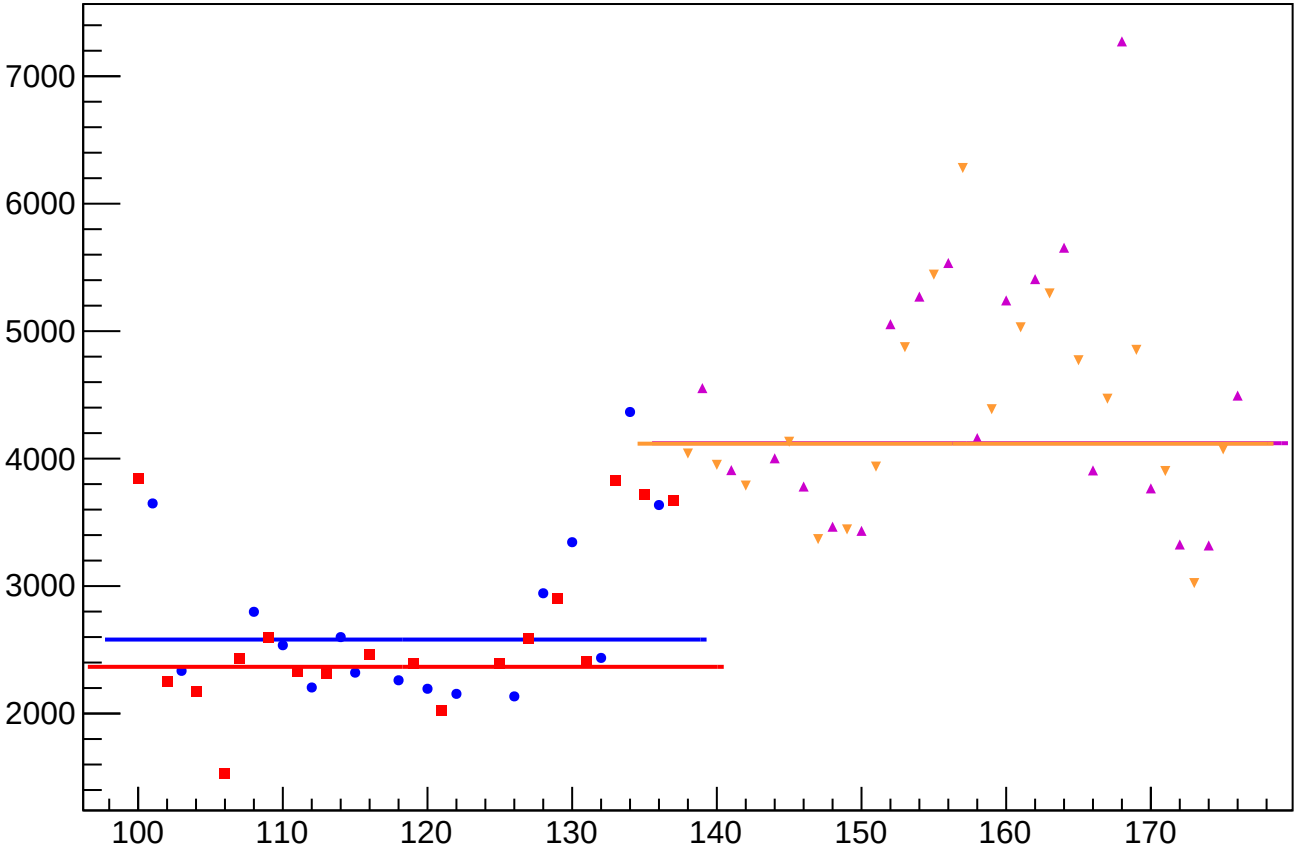
Left In: 157.991+/-1070.143 χ^2/NDF:11.5/18

+ sign 339.861+/-729.252 χ^2/NDF: 40.6/34

All: 255.875+/-499.723 χ^2/NDF: 69.3/71

- sign 181.525+/-686.146 χ^2/NDF: 28.6/36

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4117.207+/-0.767 χ^2/NDF:906249.6/18

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

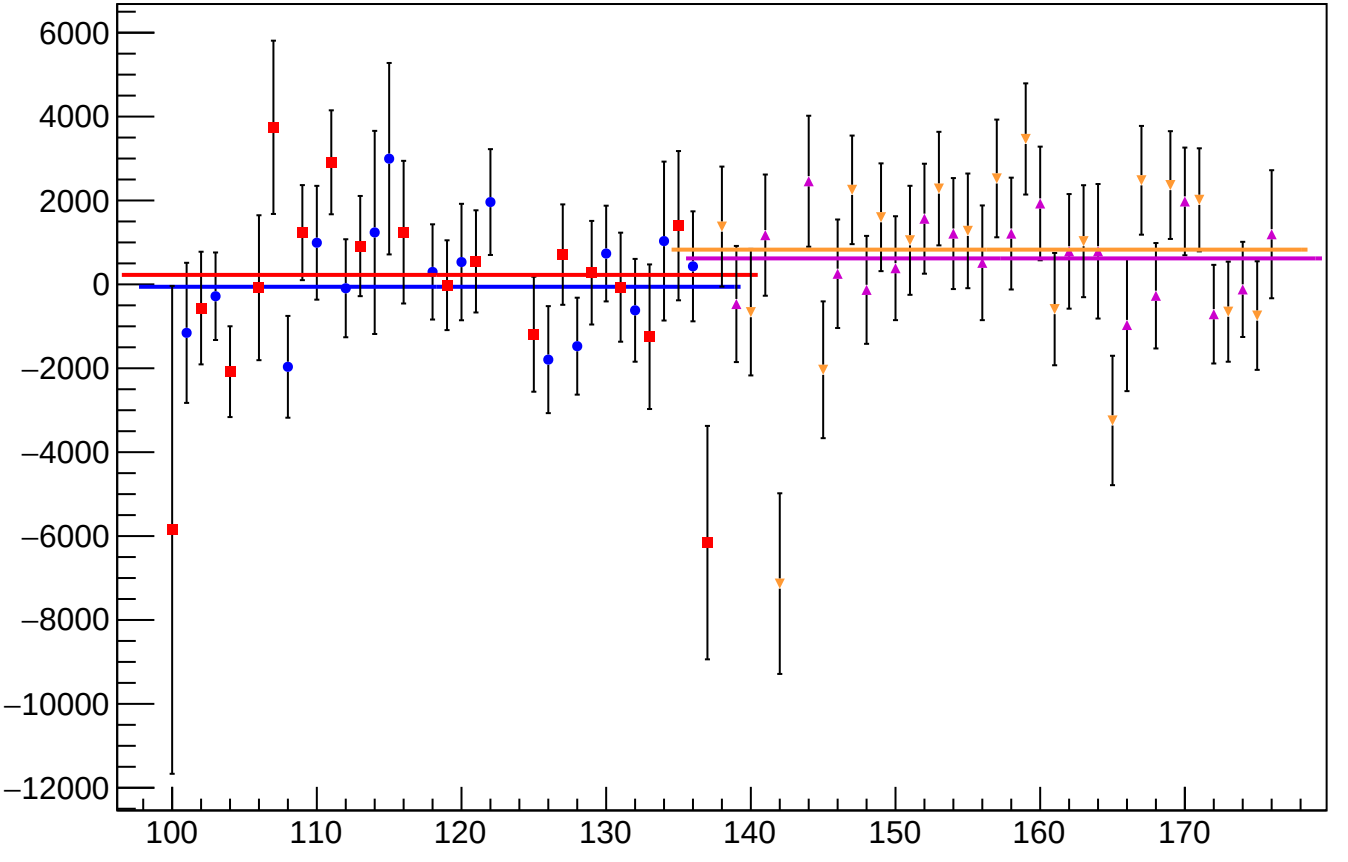
Left In: 4120.851+/-0.757 χ^2/NDF:1211635.2/18

+ sign 3274.633+/-0.516 χ^2/NDF: 3723300.8/34

All: 3175.460+/-0.353 χ^2/NDF: 8782011.9/71

- sign 3087.665+/-0.485 χ^2/NDF: 4988978.2/36

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 828.290+/-313.460 χ^2/NDF:41.3/18

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

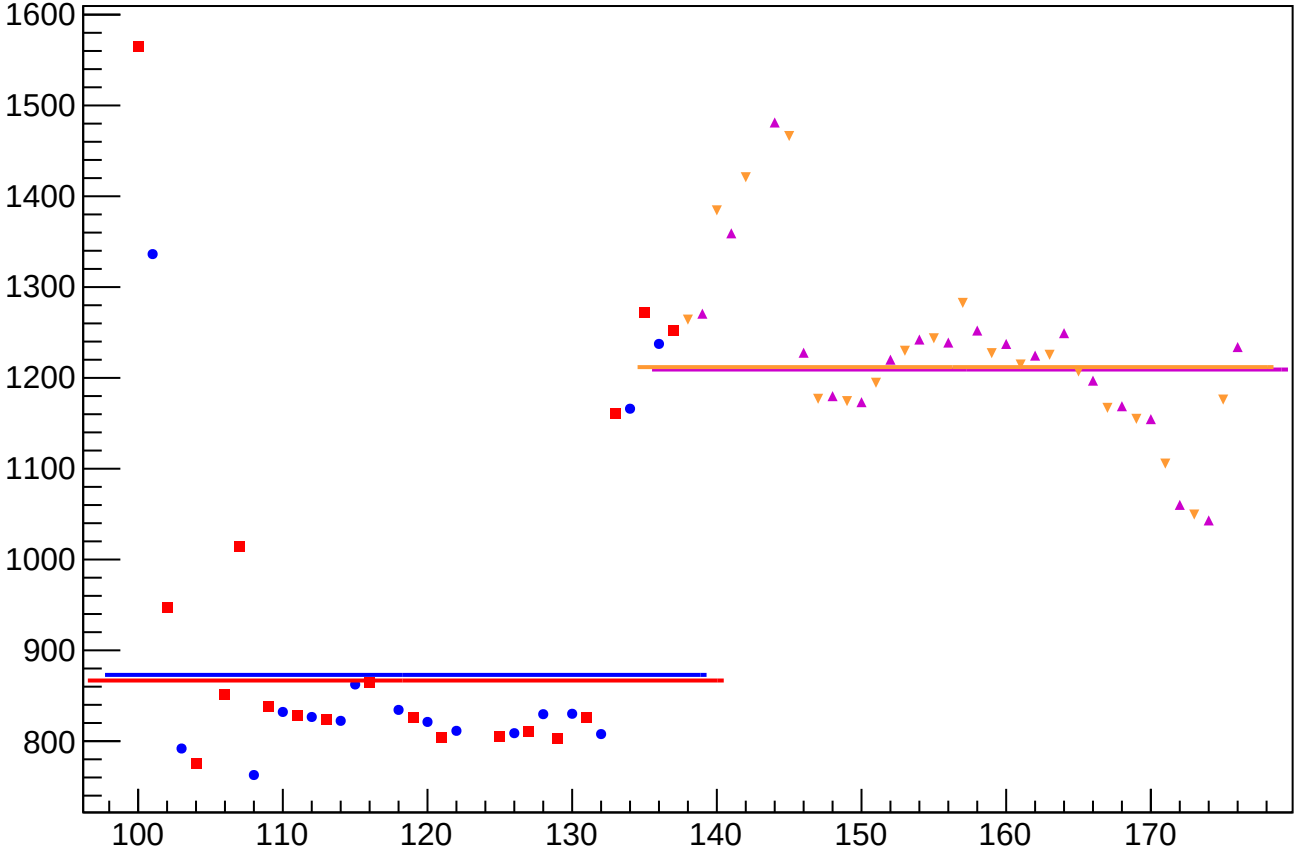
Left In: 619.040+/-307.758 χ^2/NDF:9.0/18

+ sign 408.404+/-227.301 χ^2/NDF: 58.1/34

All: 421.920+/-159.710 χ^2/NDF: 90.7/71

- sign 435.099+/-224.455 χ^2/NDF: 32.7/36

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1211.876+/-0.222 χ^2/NDF:166826.7/18

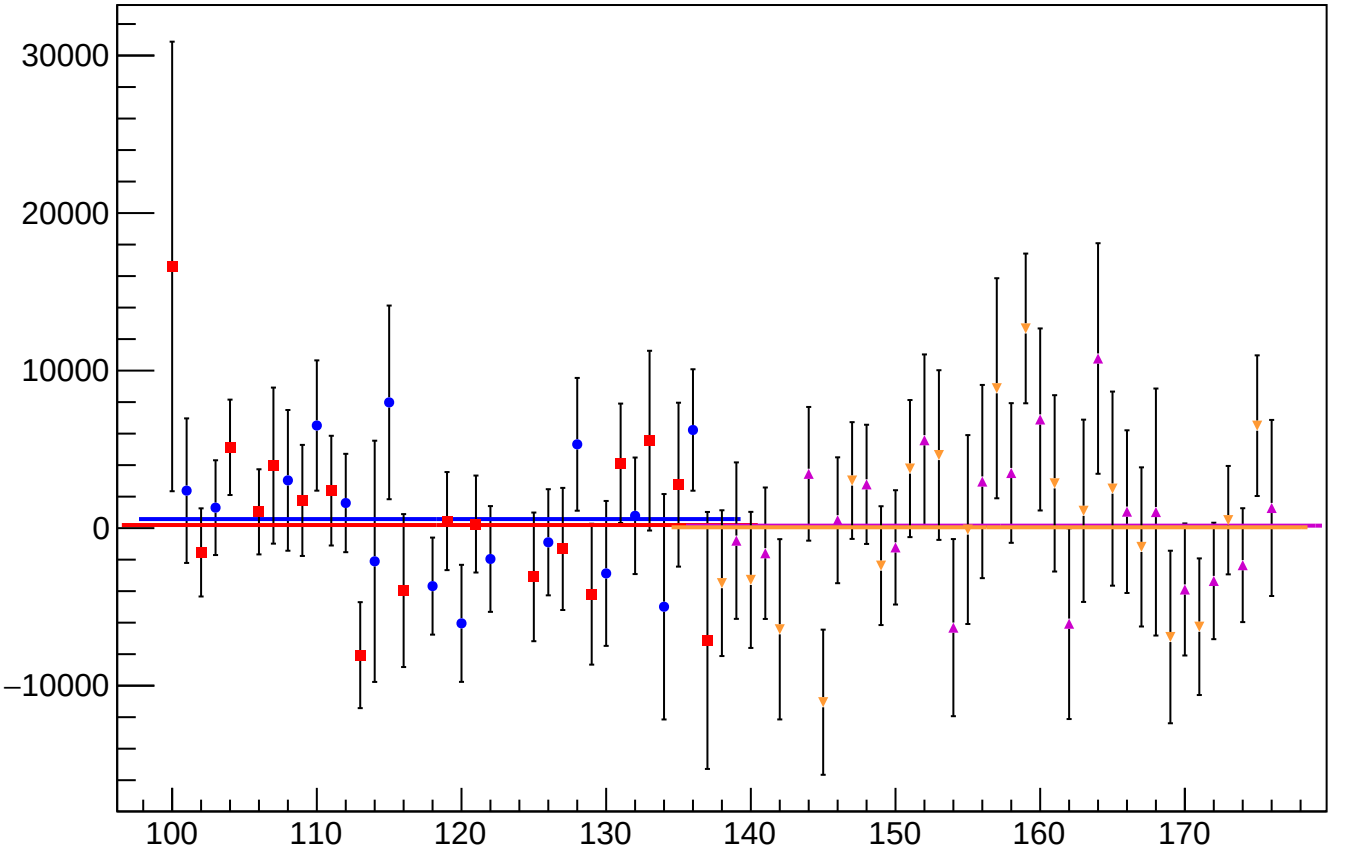
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1209.214+/-0.218 χ^2/NDF:177500.9/18

+ sign 1051.174+/-0.161 χ^2/NDF: 1692493.9/34

All: 1049.947+/-0.113 χ^2/NDF: 3320795.8/71

- sign 1048.752+/-0.159 χ^2/NDF: 1628186.9/36



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 54.161+/-1085.005 χ^2/NDF:25.8/18

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

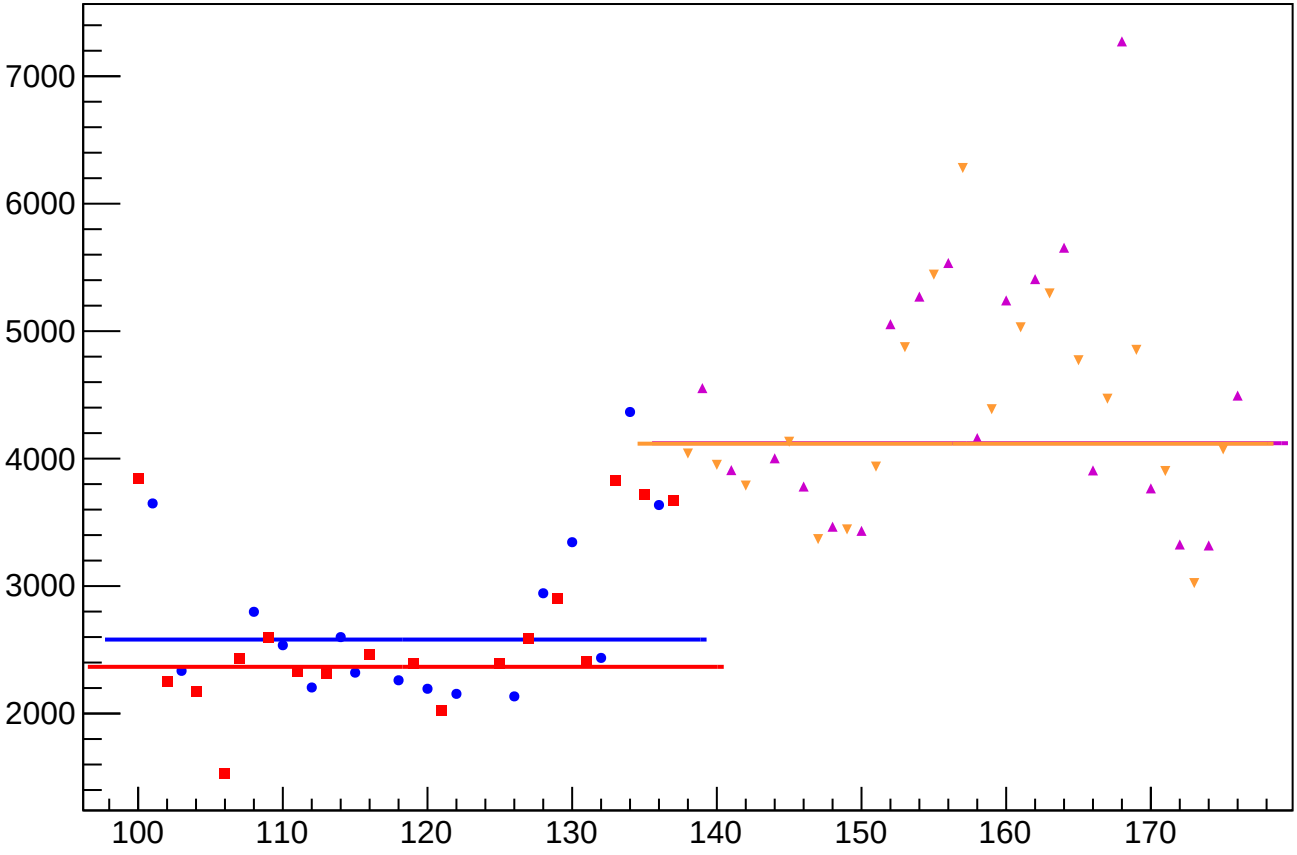
Left In: 157.992+/-1070.145 χ^2/NDF:11.5/18

\+ sign 339.861+/-729.252 χ^2/NDF: 40.6/34

All: 255.876+/-499.723 χ^2/NDF: 69.3/71

\- sign 181.526+/-686.145 χ^2/NDF: 28.6/36

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4117.215+/-0.767 χ^2/NDF:906247.7/18

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

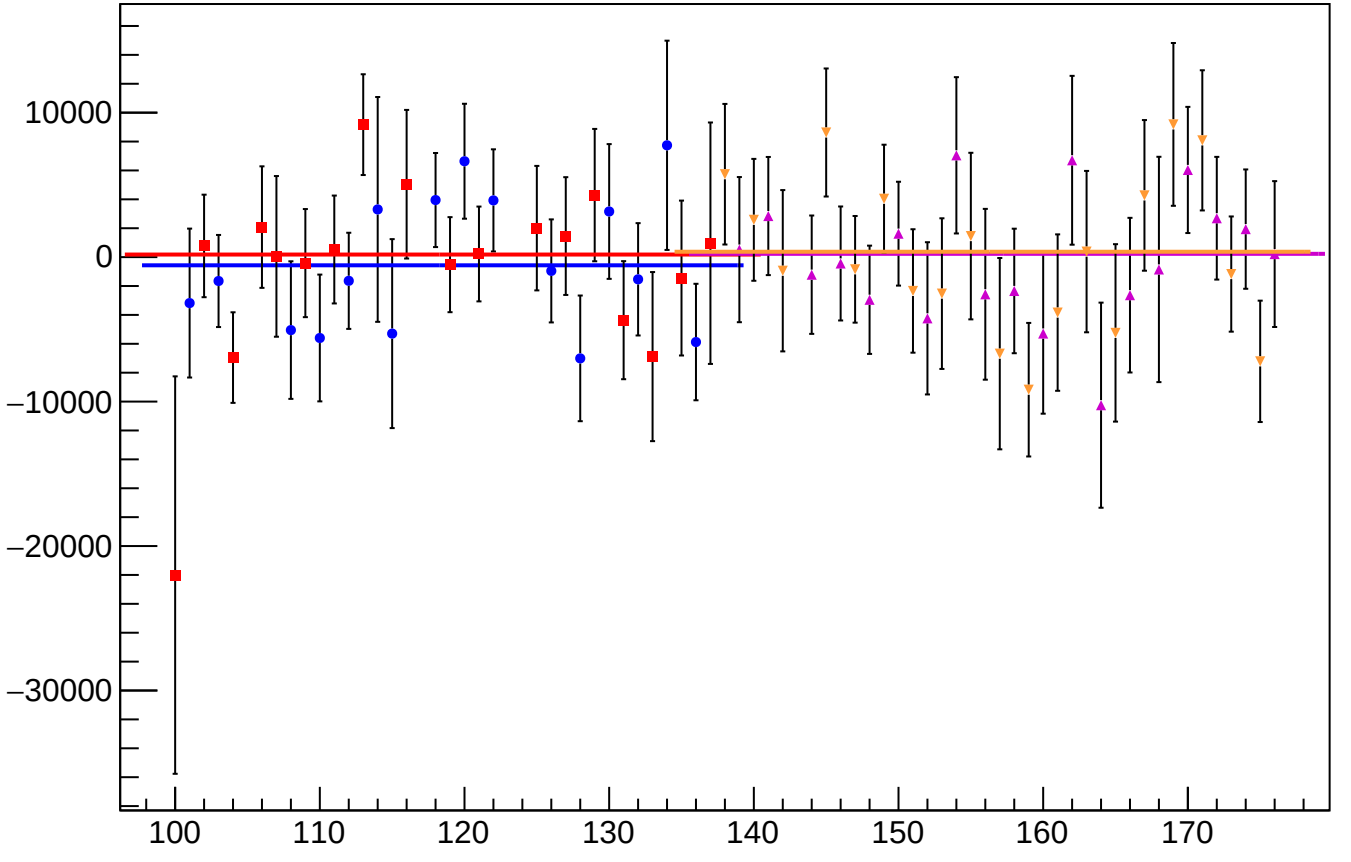
Left In: 4120.858+/-0.757 χ^2/NDF:1211635.0/18

+ sign 3274.629+/-0.516 χ^2/NDF: 3723354.7/34

All: 3175.455+/-0.353 χ^2/NDF: 8782120.9/71

- sign 3087.660+/-0.485 χ^2/NDF: 4989033.1/36

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 372.537+/-1090.775 χ^2/NDF:22.6/18

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

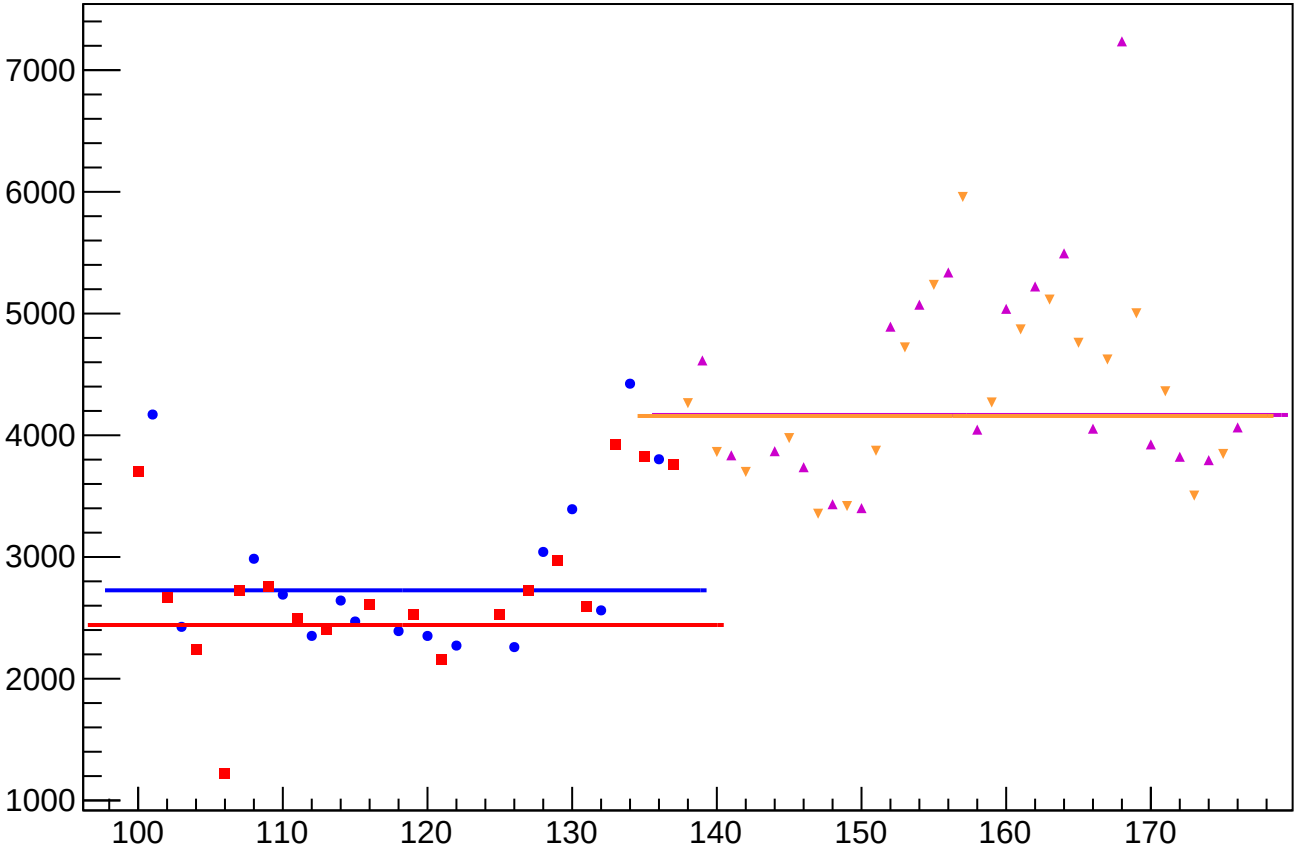
Left In: 227.763+/-1076.347 χ^2/NDF:11.3/18

\+ sign -118.993+/-752.820 χ^2/NDF: 39.2/34

All: 46.406+/-523.332 χ^2/NDF: 70.1/71

\- sign 201.084+/-728.011 χ^2/NDF: 30.8/36

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4158.571+/-0.771 χ^2/NDF:692753.0/18

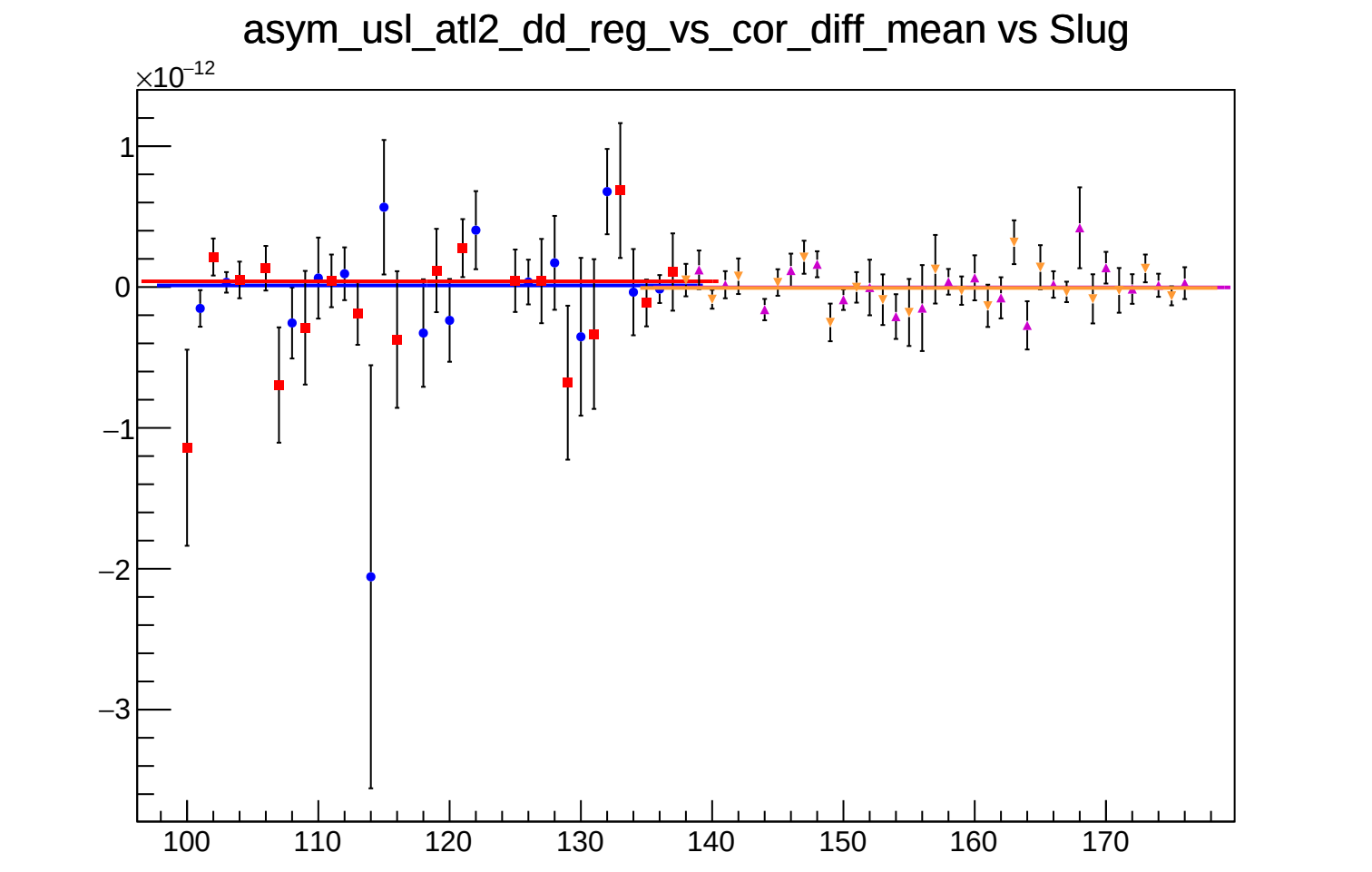
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4166.914+/-0.761 χ^2/NDF:936016.3/18

+ sign 3408.503+/-0.532 χ^2/NDF: 3121784.0/34

All: 3293.222+/-0.365 χ^2/NDF: 7945008.7/71

- sign 3190.864+/-0.502 χ^2/NDF: 4734684.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/18

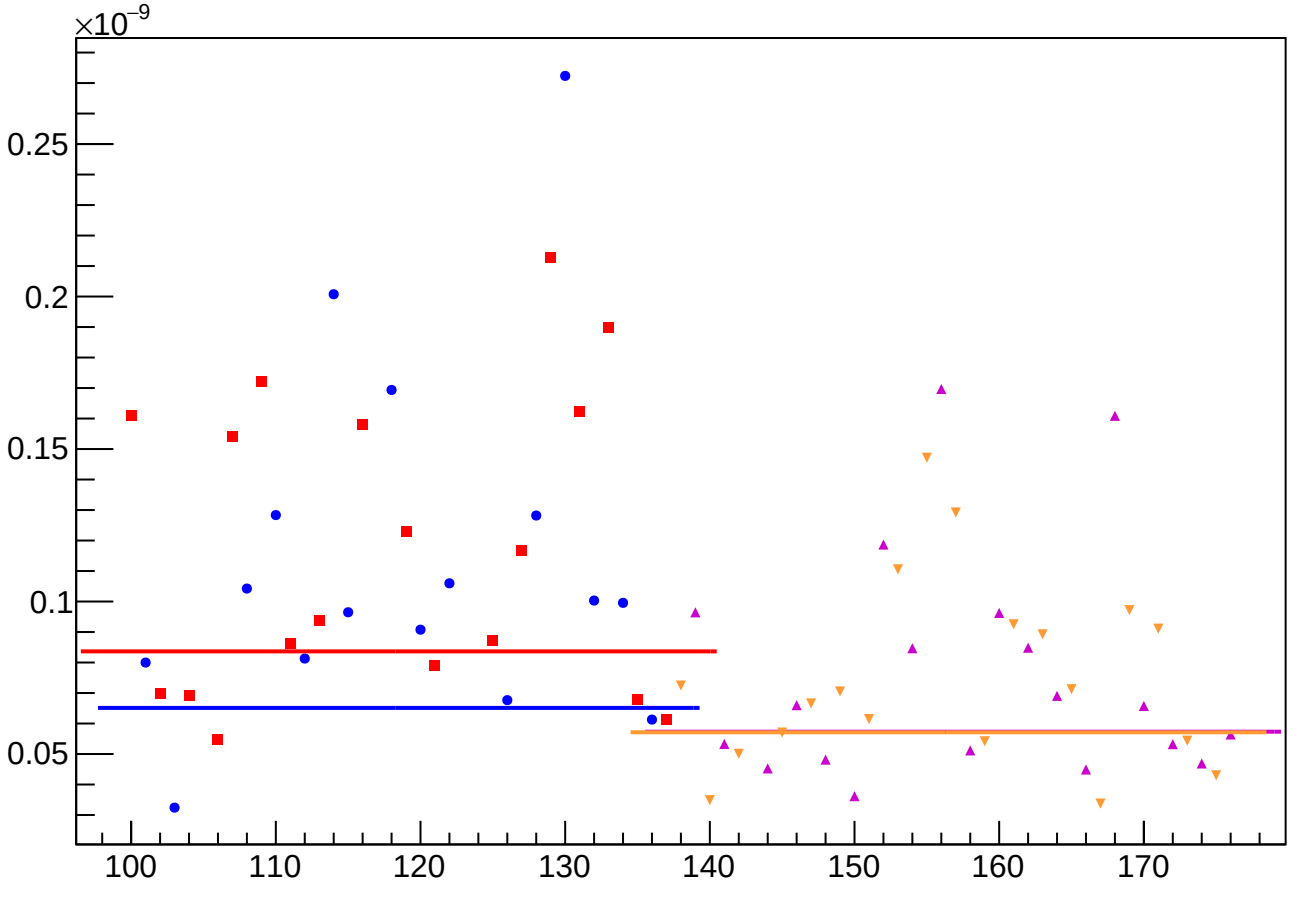
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:19.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 34.7/34

All: 0.000+/-0.000 χ^2/NDF: 71.9/71

- sign 0.000+/-0.000 χ^2/NDF: 37.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1645579.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

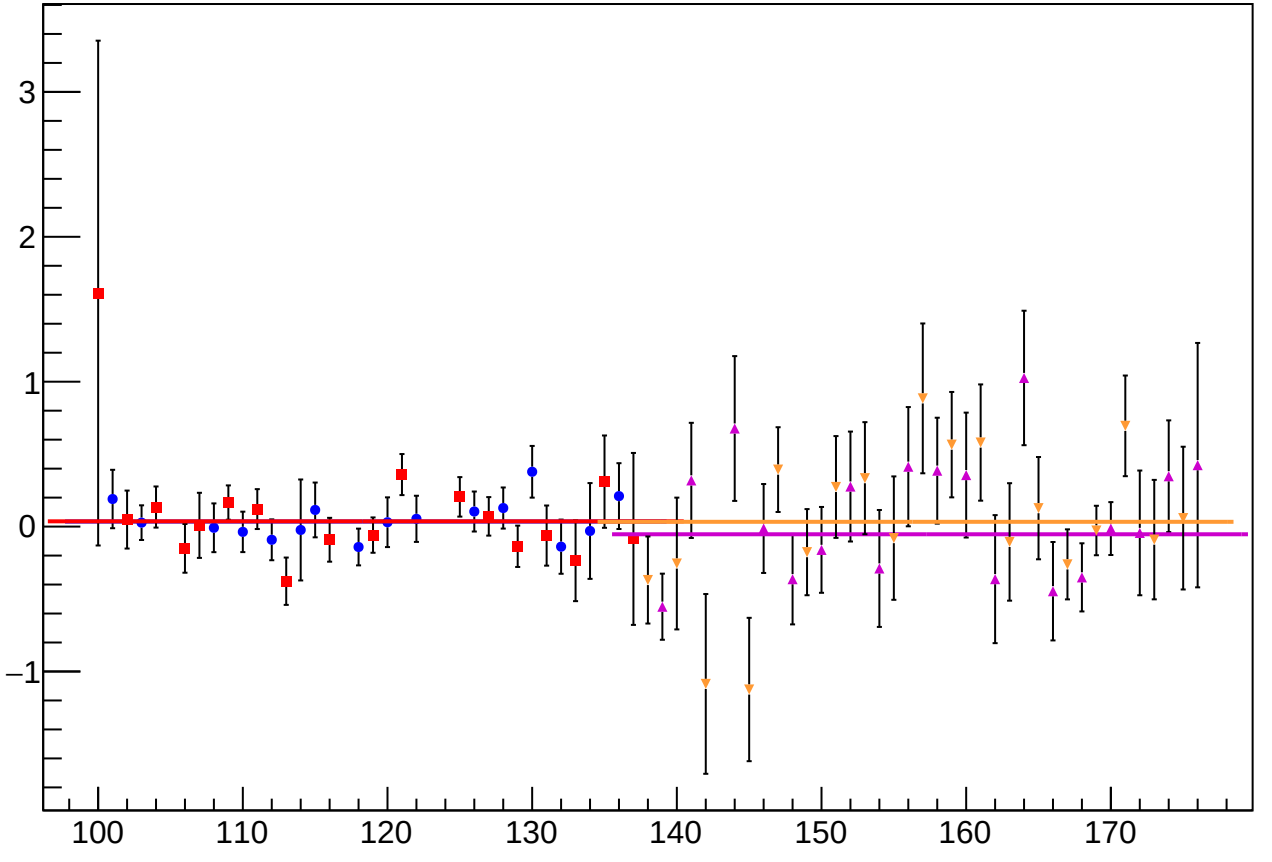
Left In: 0.000+/-0.000 χ^2/NDF:1487068.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 2917725.4/34

All: 0.000+/-0.000 χ^2/NDF: 5512565.3/71

- sign 0.000+/-0.000 χ^2/NDF: 2575931.8/36

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: 0.033+/-0.077 χ^2/NDF:26.3/18

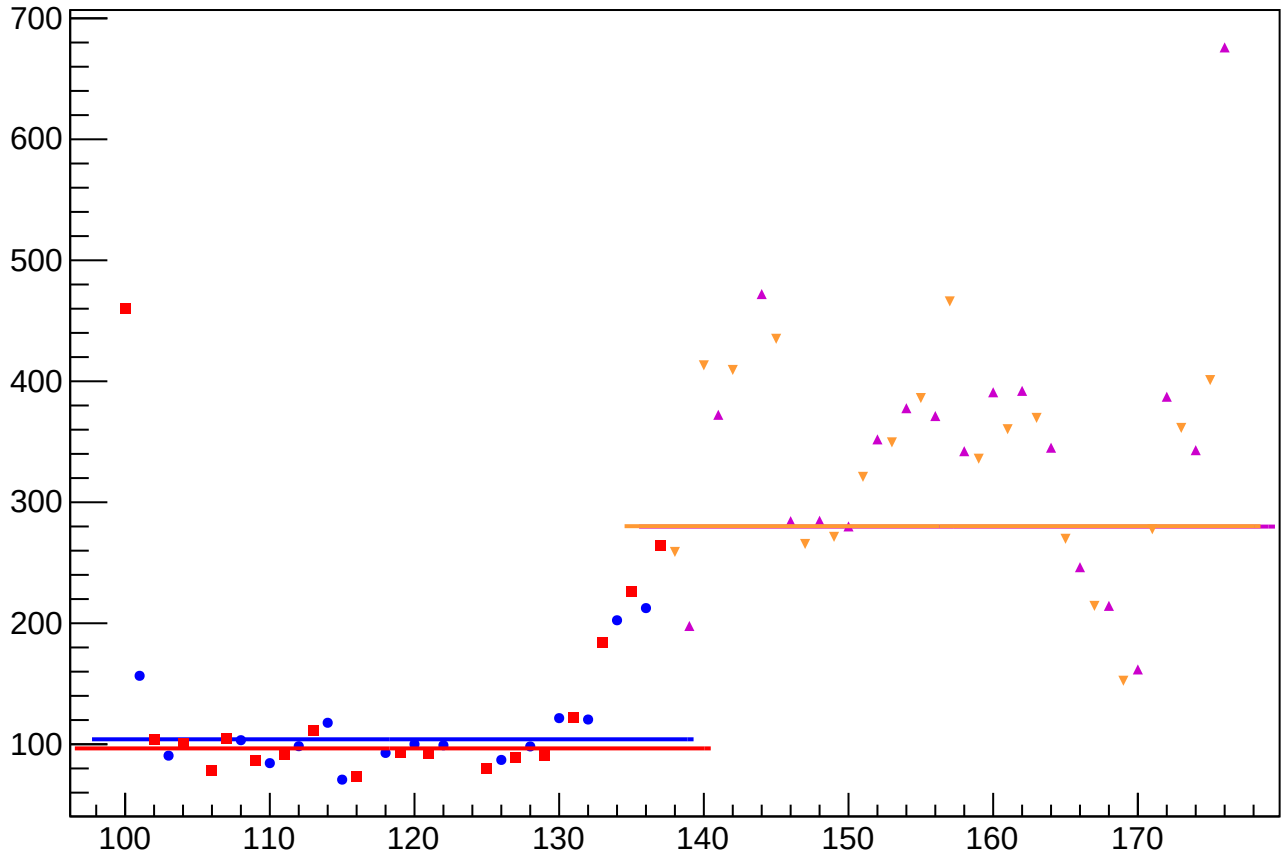
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.053+/-0.076 χ^2/NDF:24.0/18

+ sign 0.035+/-0.036 χ^2/NDF: 36.1/34

All: 0.026+/-0.025 χ^2/NDF: 83.3/71

- sign 0.018+/-0.035 χ^2/NDF: 47.1/36



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 280.238+/-0.055 χ^2/NDF:2635964.9/18

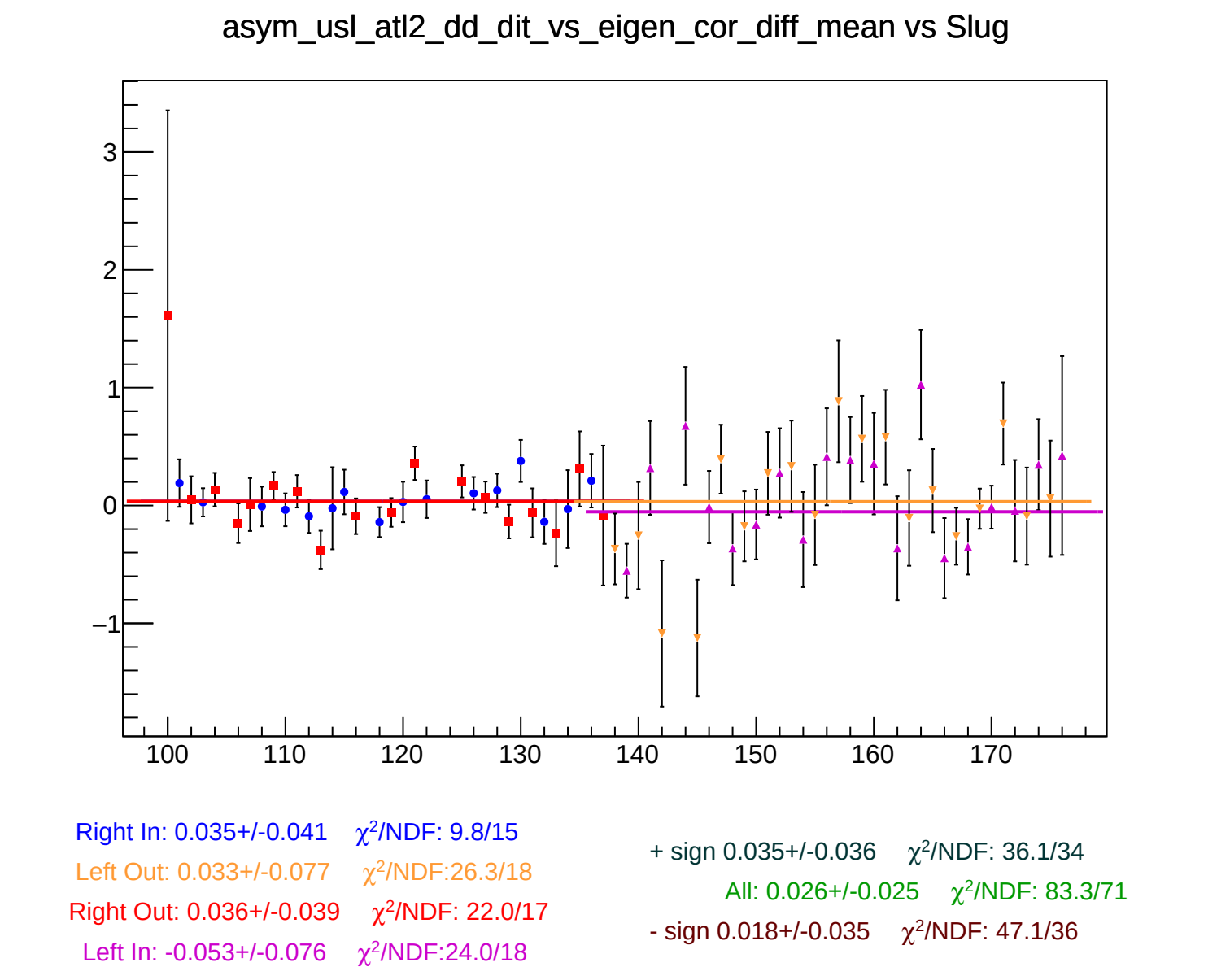
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

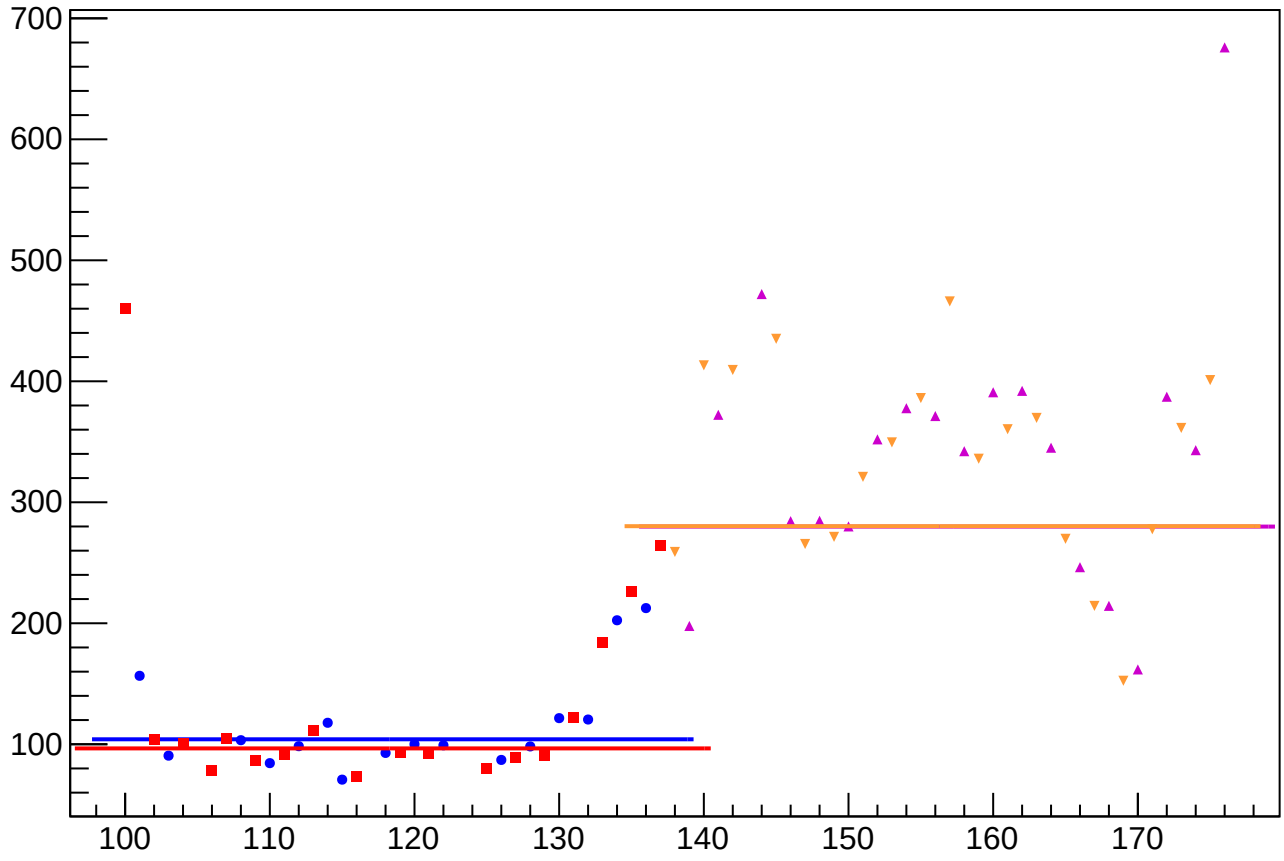
Left In: 279.913+/-0.054 χ^2/NDF:2942889.6/18

+ sign 142.801+/-0.026 χ^2/NDF: 11724107.6/34

All: 138.587+/-0.018 χ^2/NDF: 24925142.1/71

- sign 134.744+/-0.024 χ^2/NDF: 13149354.2/36


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.033+/-0.077 χ²/NDF:26.3/18
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.053+/-0.076 χ²/NDF:24.0/18
+ sign 0.035+/-0.036 χ²/NDF: 36.1/34
All: 0.026+/-0.025 χ²/NDF: 83.3/71
- sign 0.018+/-0.035 χ²/NDF: 47.1/36



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 280.238+/-0.055 χ^2/NDF:2635964.9/18

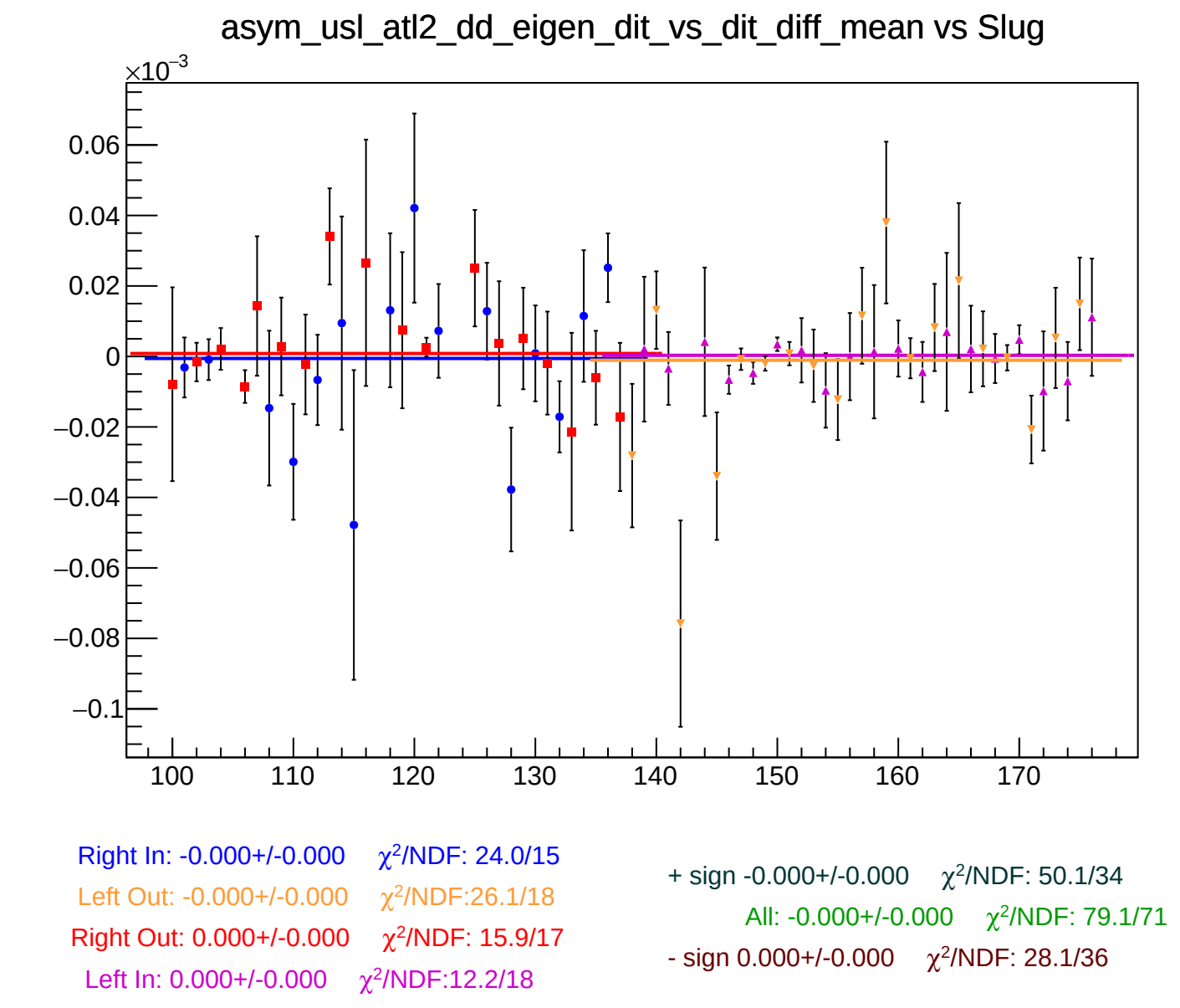
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 279.913+/-0.054 χ^2/NDF:2942889.6/18

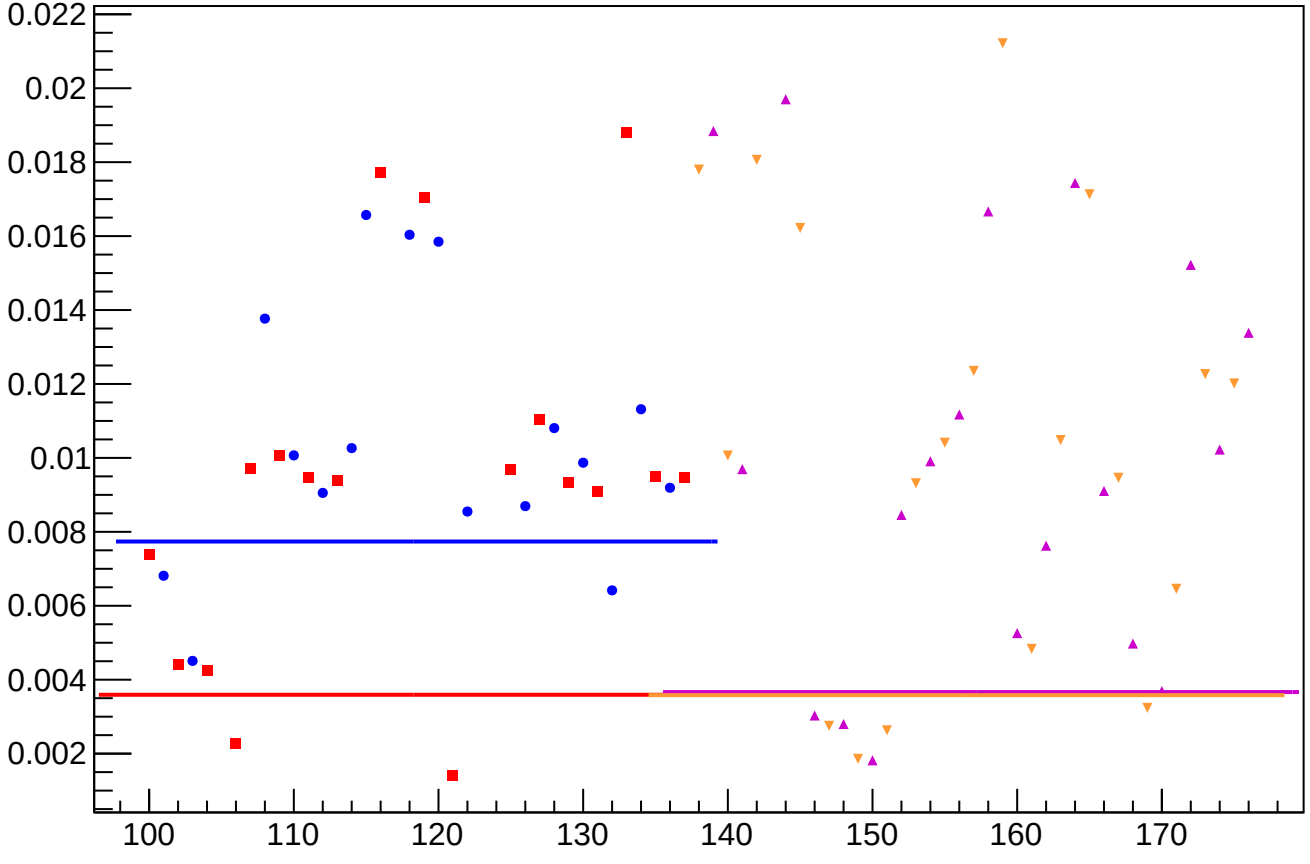
+ sign 142.801+/-0.026 χ^2/NDF: 11724107.6/34

All: 138.587+/-0.018 χ^2/NDF: 24925142.1/71

- sign 134.744+/-0.024 χ^2/NDF: 13149354.2/36


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
160
170
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:26.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:12.2/18
+ sign -0.000+/-0.000 χ²/NDF: 50.1/34
All: -0.000+/-0.000 χ²/NDF: 79.1/71
- sign 0.000+/-0.000 χ²/NDF: 28.1/36

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:12070436.3/18

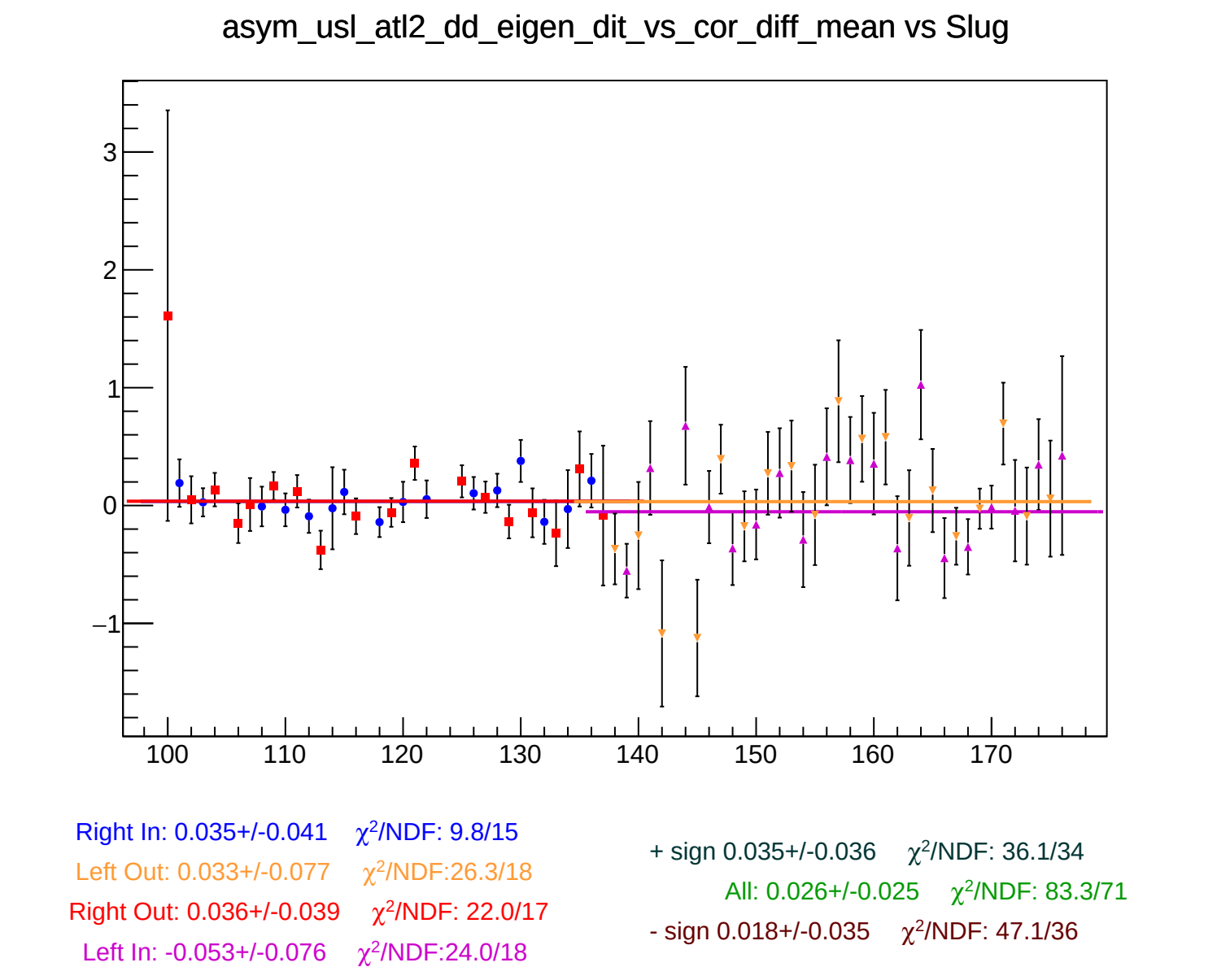
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:11949330.0/18

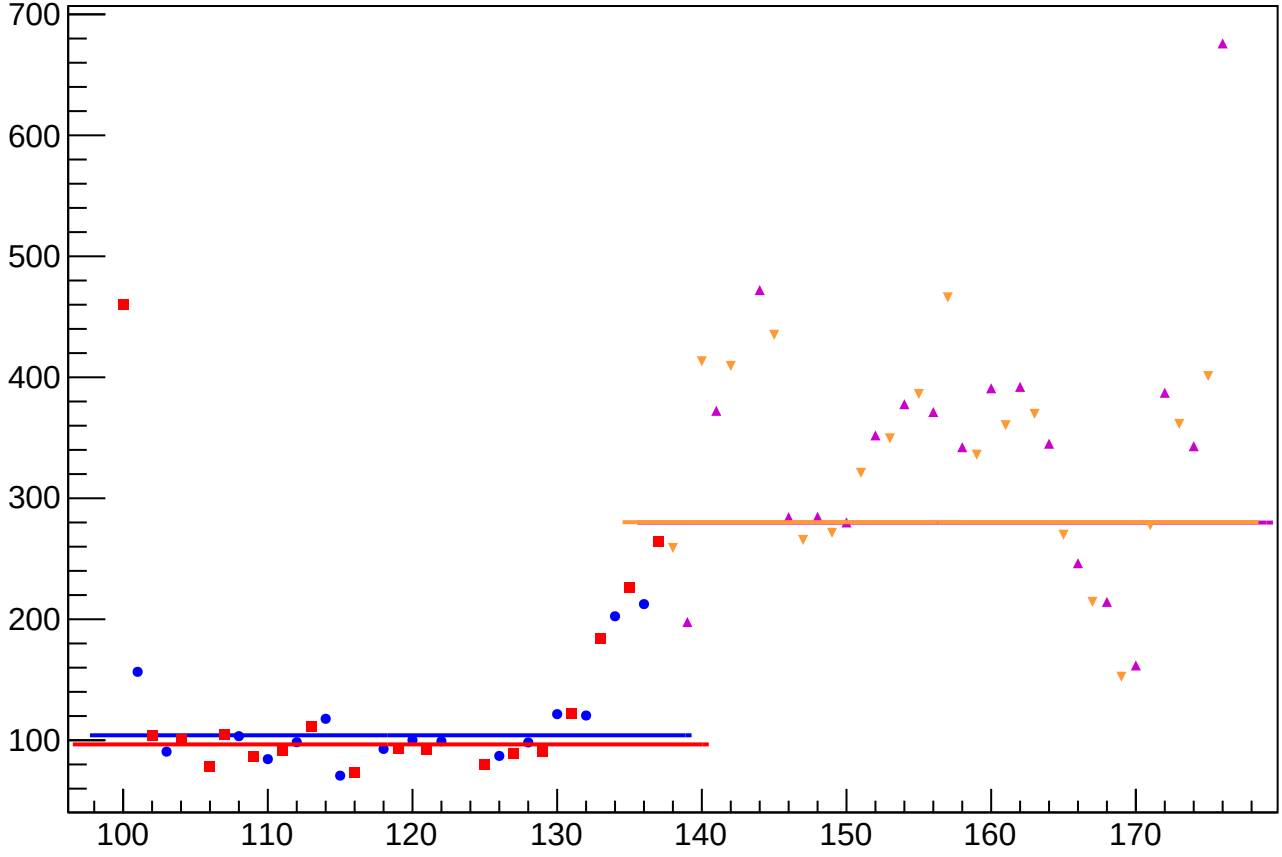
+ sign 0.004+/-0.000 χ^2/NDF: 16834355.0/34

All: 0.004+/-0.000 χ^2/NDF: 35377086.9/71

- sign 0.004+/-0.000 χ^2/NDF: 18316349.7/36


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.033+/-0.077 χ²/NDF:26.3/18
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.053+/-0.076 χ²/NDF:24.0/18
+ sign 0.035+/-0.036 χ²/NDF: 36.1/34
All: 0.026+/-0.025 χ²/NDF: 83.3/71
- sign 0.018+/-0.035 χ²/NDF: 47.1/36

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 280.239+/-0.055 χ^2/NDF:2636009.1/18

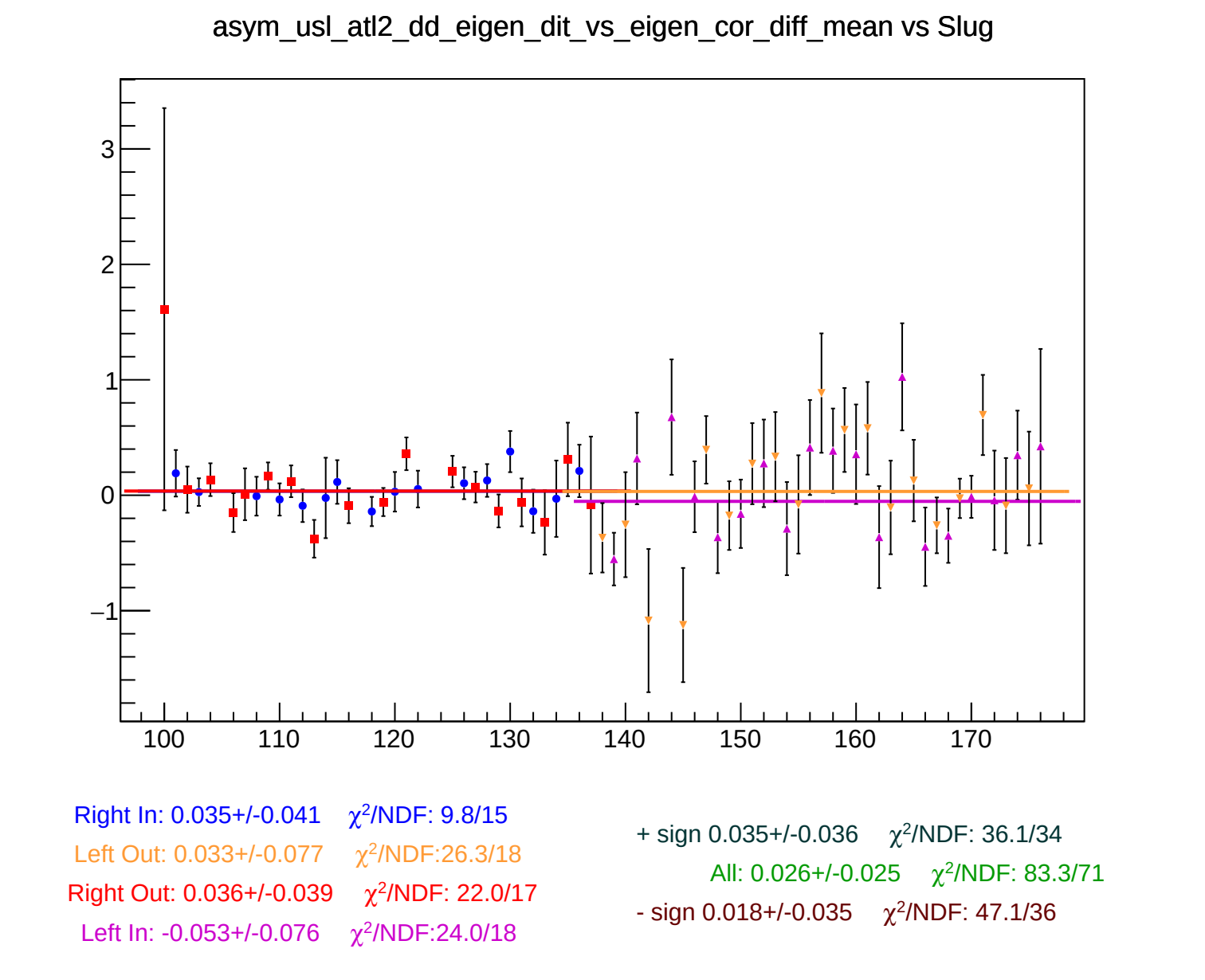
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

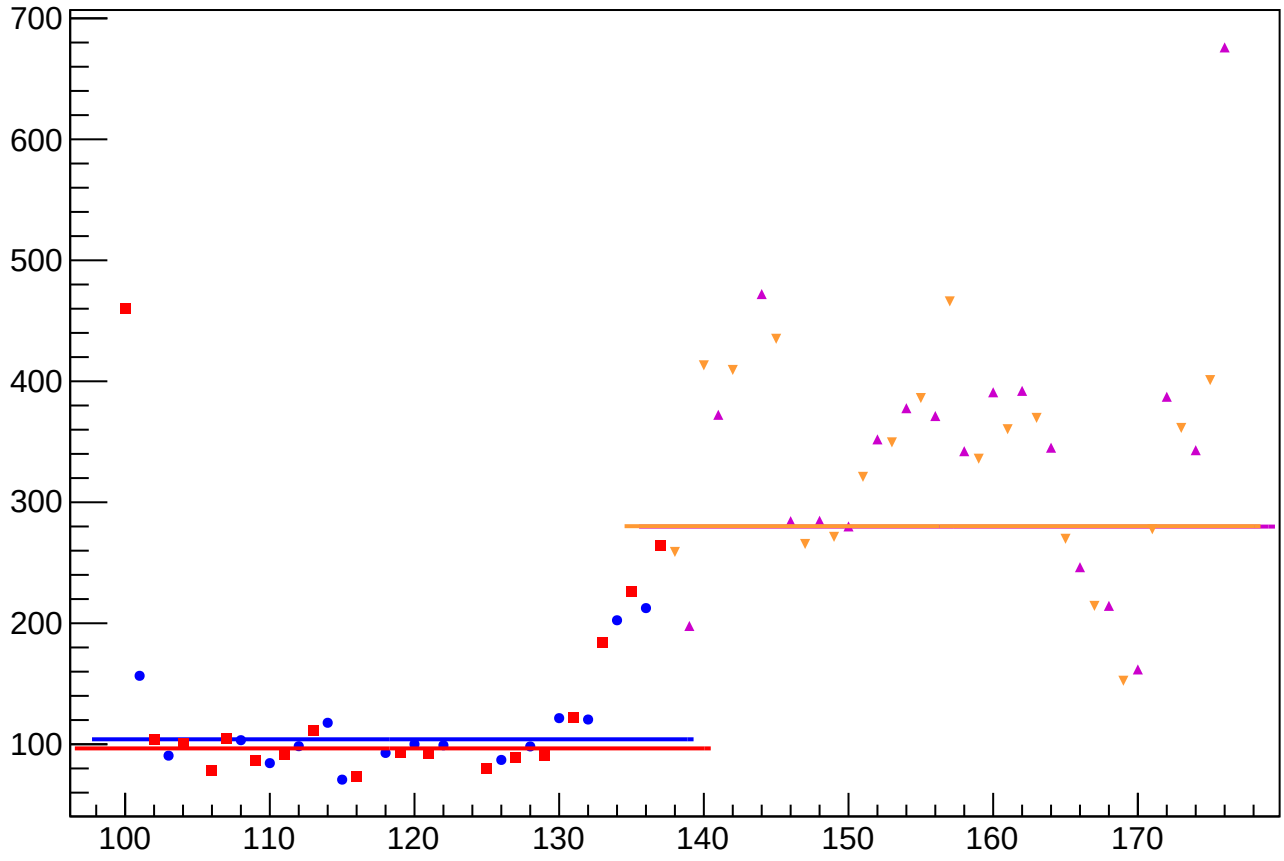
Left In: 279.916+/-0.054 χ^2/NDF:2942847.0/18

+ sign 142.802+/-0.026 χ^2/NDF: 11724075.5/34

All: 138.589+/-0.018 χ^2/NDF: 24924988.2/71

- sign 134.746+/-0.024 χ^2/NDF: 13149240.7/36


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.033+/-0.077 χ²/NDF:26.3/18
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.053+/-0.076 χ²/NDF:24.0/18
+ sign 0.035+/-0.036 χ²/NDF: 36.1/34
All: 0.026+/-0.025 χ²/NDF: 83.3/71
- sign 0.018+/-0.035 χ²/NDF: 47.1/36



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 280.239+/-0.055 χ^2/NDF:2636009.1/18

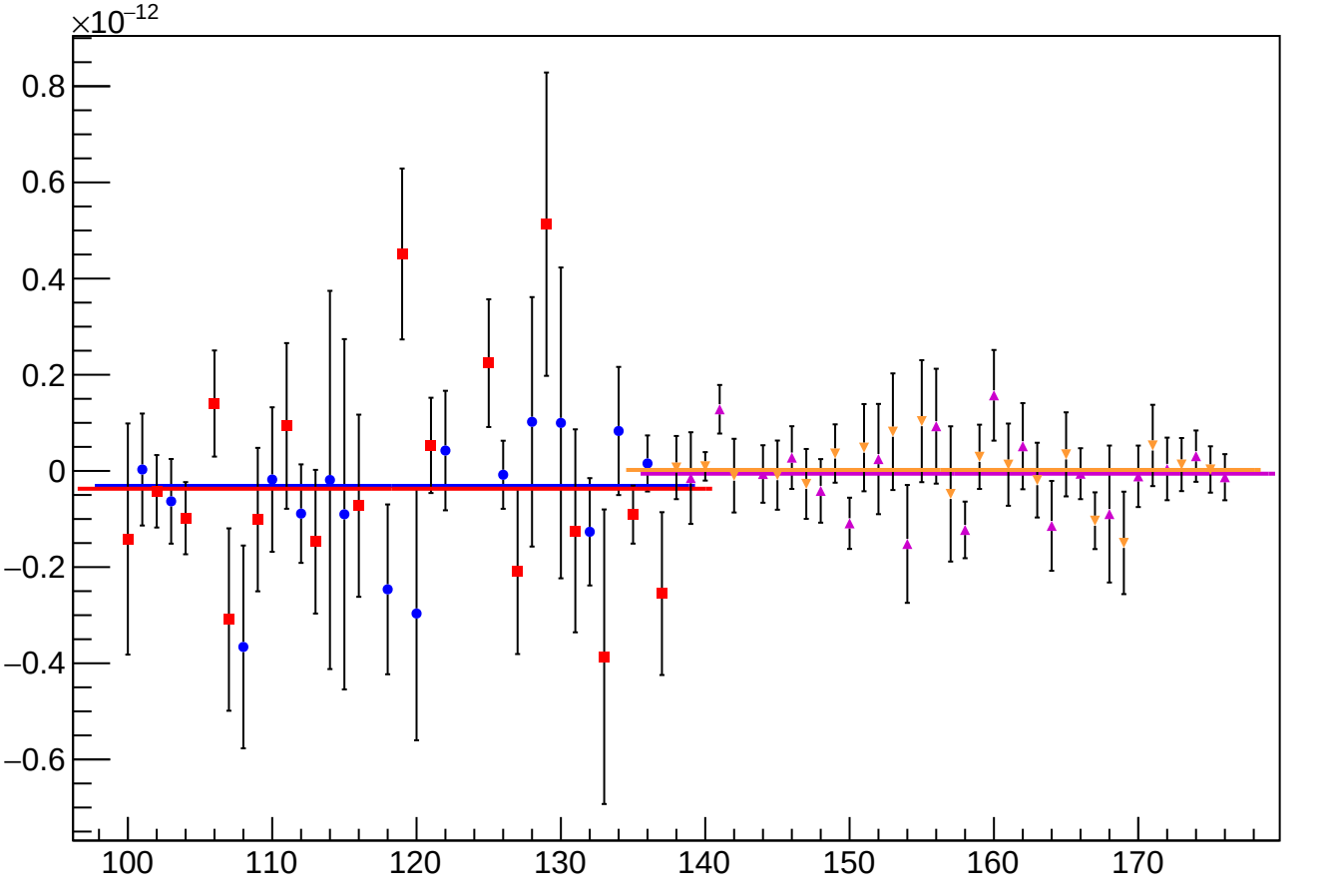
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 279.916+/-0.054 χ^2/NDF:2942847.0/18

+ sign 142.802+/-0.026 χ^2/NDF: 11724075.5/34

All: 138.589+/-0.018 χ^2/NDF: 24924988.2/71

- sign 134.746+/-0.024 χ^2/NDF: 13149240.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/18

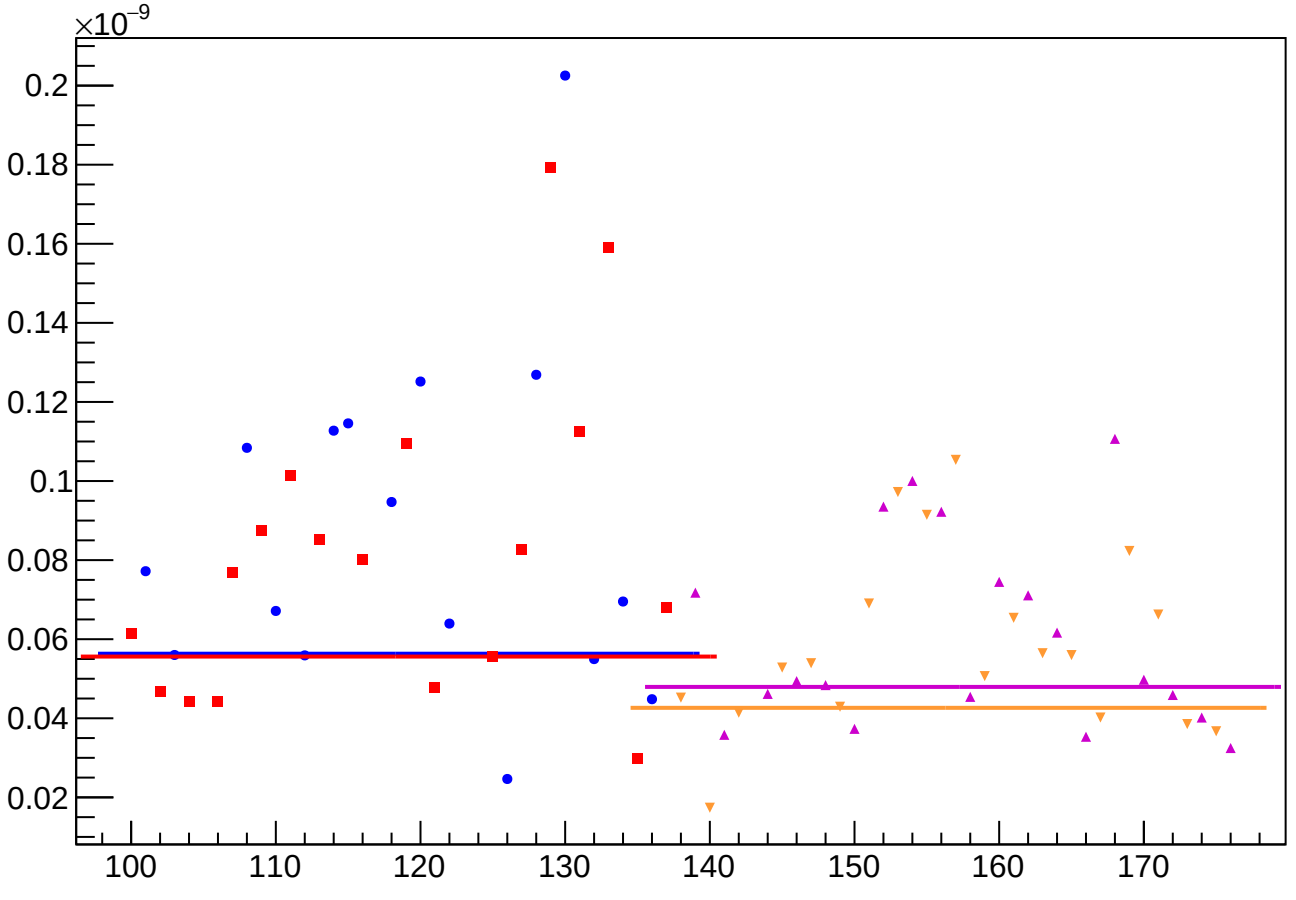
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:23.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 17.7/34

All: -0.000+/-0.000 χ^2/NDF: 68.9/71

- sign -0.000+/-0.000 χ^2/NDF: 51.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3574934.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

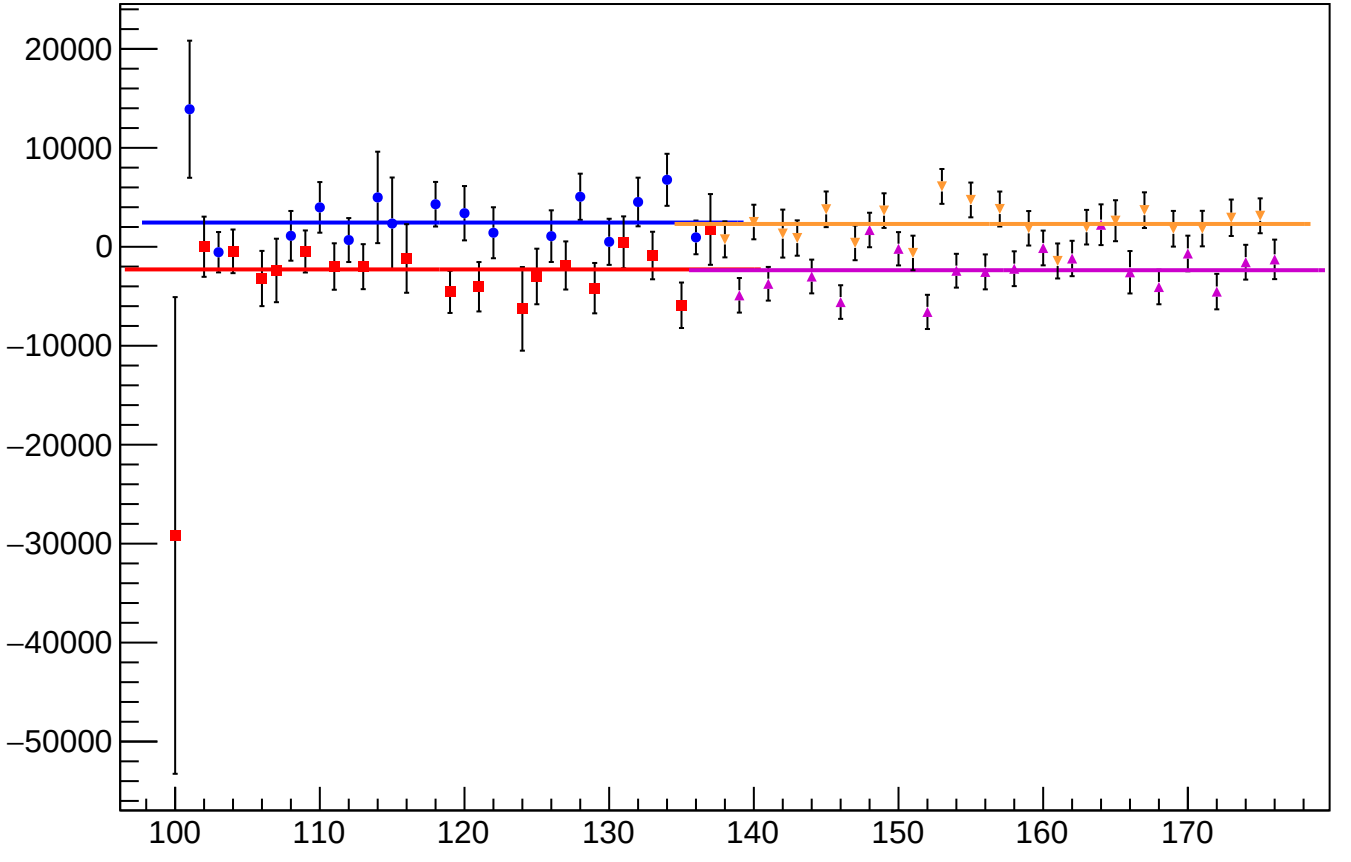
Left In: 0.000+/-0.000 χ^2/NDF:2368604.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 5498441.3/34

All: 0.000+/-0.000 χ^2/NDF: 9841710.8/71

- sign 0.000+/-0.000 χ^2/NDF: 4246193.3/36

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2308.544+/-404.278 χ^2/NDF:19.8/19

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

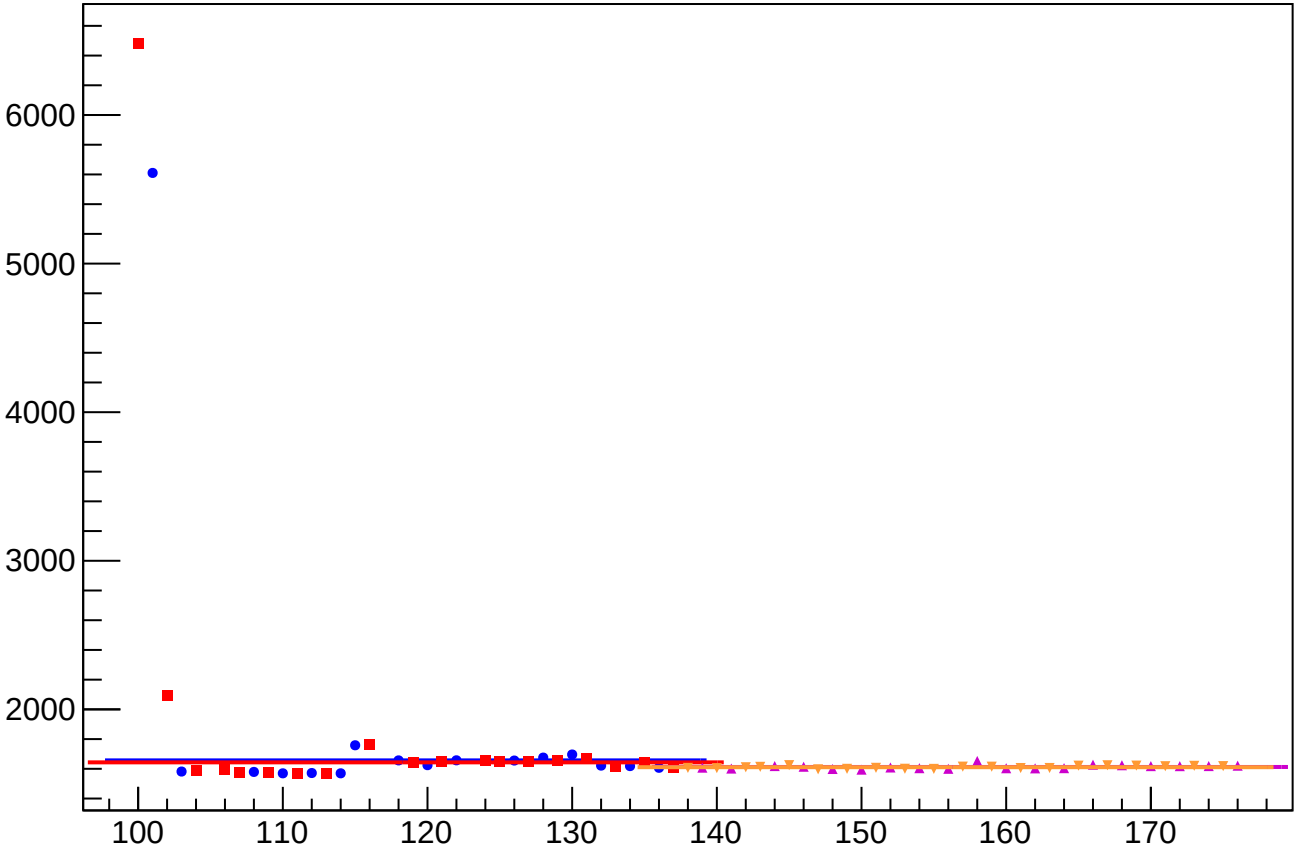
Left In: -2365.624+/-408.993 χ^2/NDF:30.4/18

+ sign 2349.770+/-340.284 χ^2/NDF: 33.6/35

All: -0.657+/-240.360 χ^2/NDF: 171.1/73

- sign -2341.061+/-339.558 χ^2/NDF: 42.2/37

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1610.876+/-0.286 χ^2/NDF:925.7/19

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

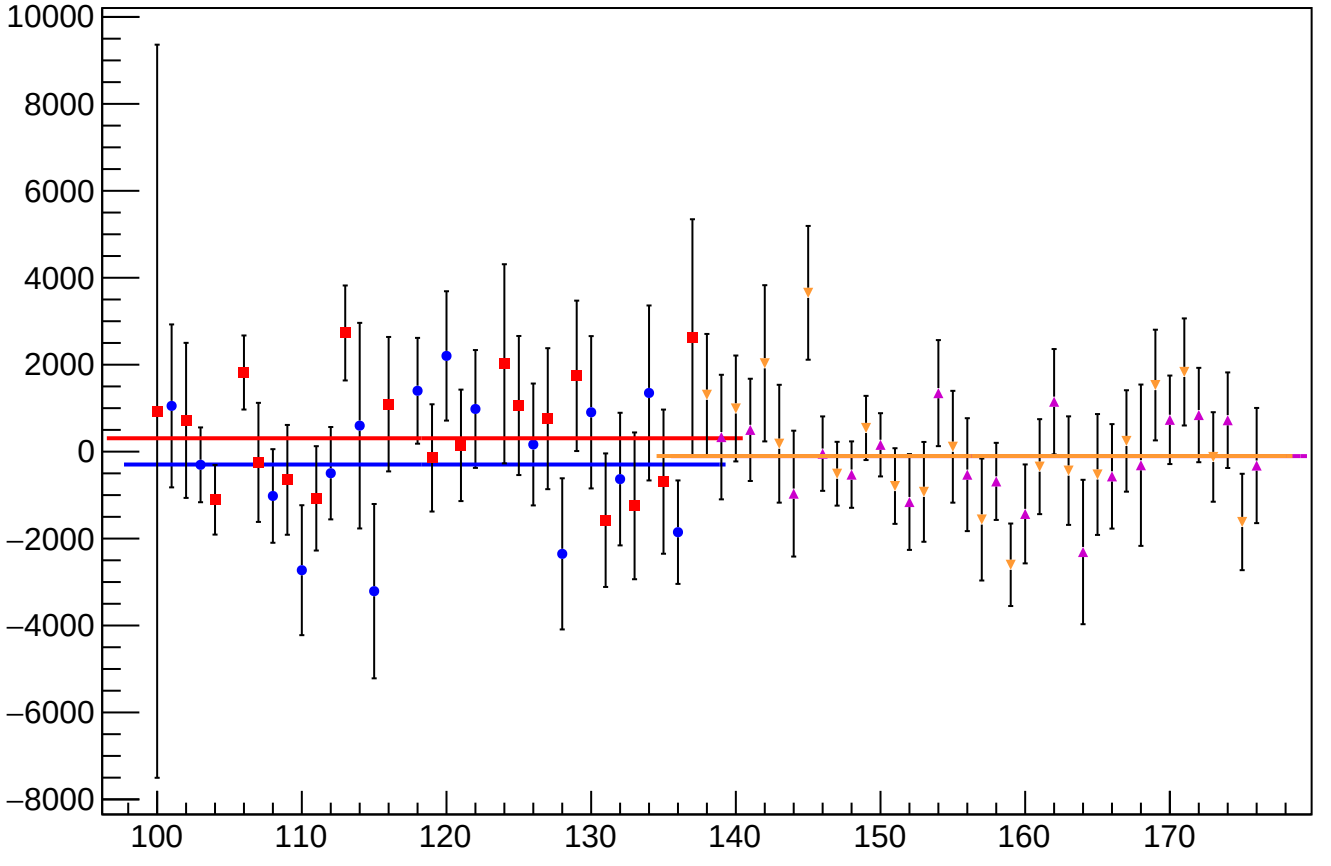
Left In: 1612.352+/-0.289 χ^2/NDF:2087.7/18

+ sign 1624.230+/-0.241 χ^2/NDF: 674637.3/35

All: 1623.117+/-0.170 χ^2/NDF: 817353.8/73

- sign 1622.008+/-0.240 χ^2/NDF: 142673.8/37

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -101.148+/-248.320 χ^2/NDF:25.8/19

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

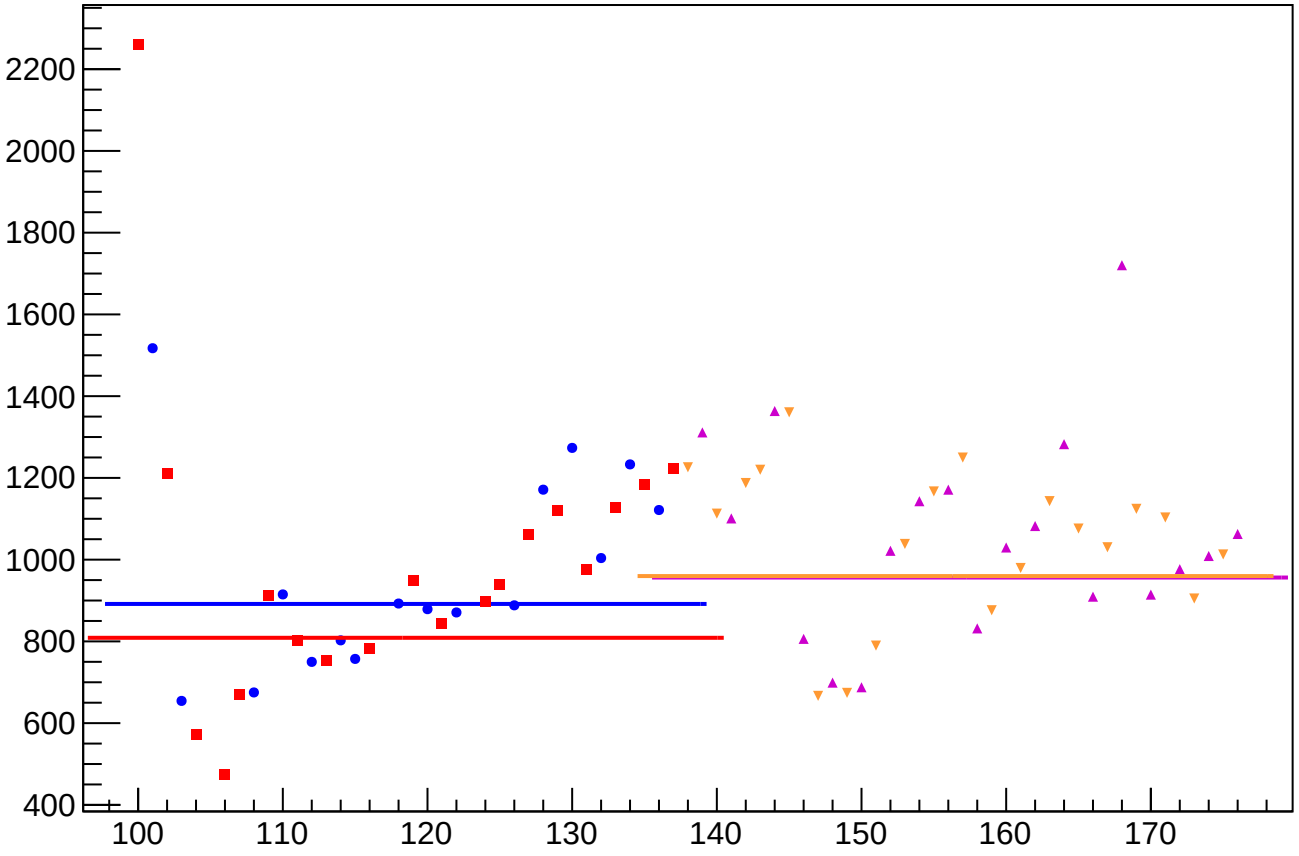
Left In: -102.993+/-249.817 χ^2/NDF:10.4/18

+ sign -168.197+/-201.229 χ^2/NDF: 42.0/35

All: -52.291+/-140.127 χ^2/NDF: 72.8/73

- sign 56.826+/-195.246 χ^2/NDF: 30.2/37

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 959.819+/-0.176 χ^2/NDF:1337983.0/19

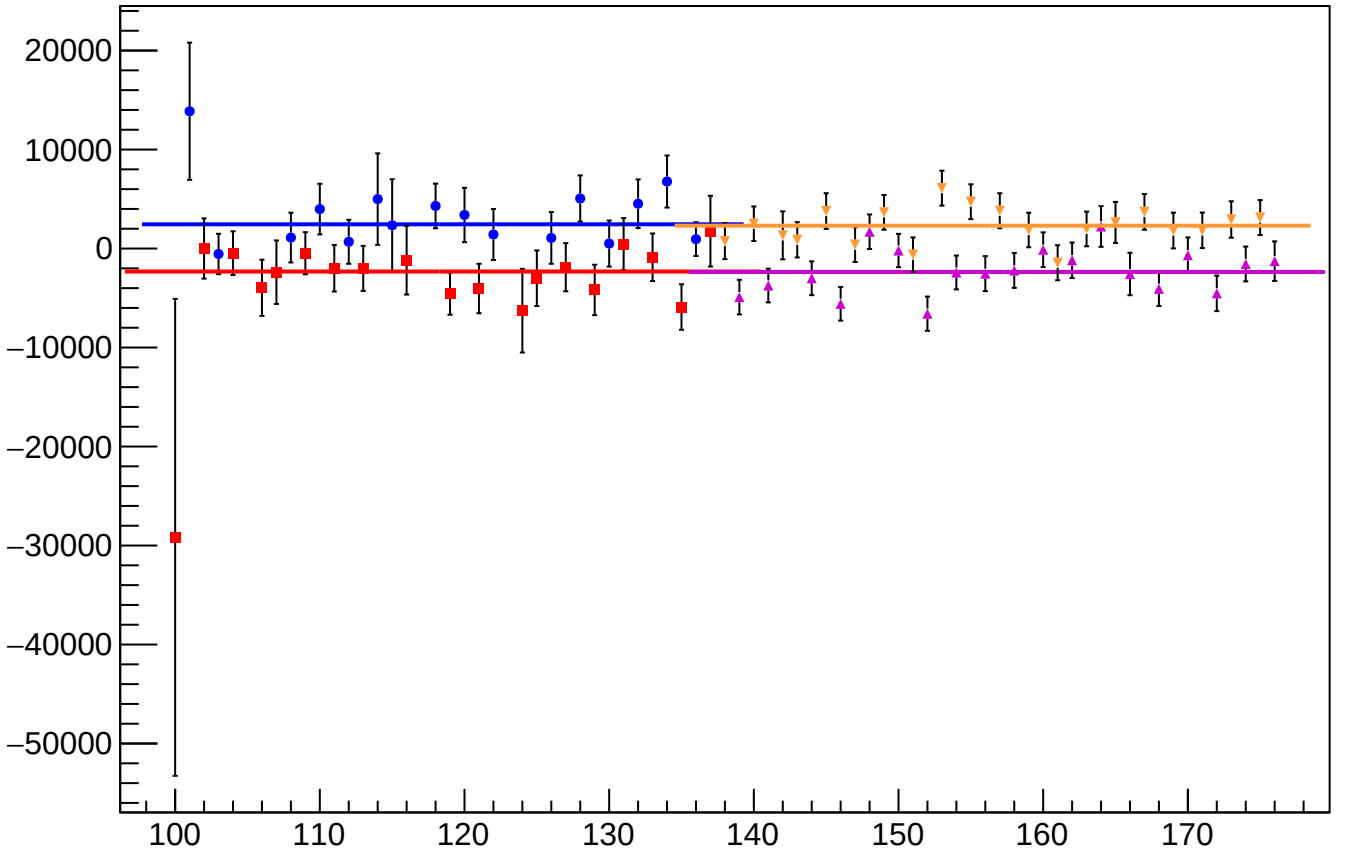
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 956.239+/-0.177 χ^2/NDF:1490707.5/18

+ sign 936.410+/-0.142 χ^2/NDF: 2183651.1/35

All: 917.070+/-0.099 χ^2/NDF: 5065143.6/73

- sign 898.863+/-0.138 χ^2/NDF: 2845627.9/37



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2308.530+/-404.278 χ^2/NDF:19.8/19

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

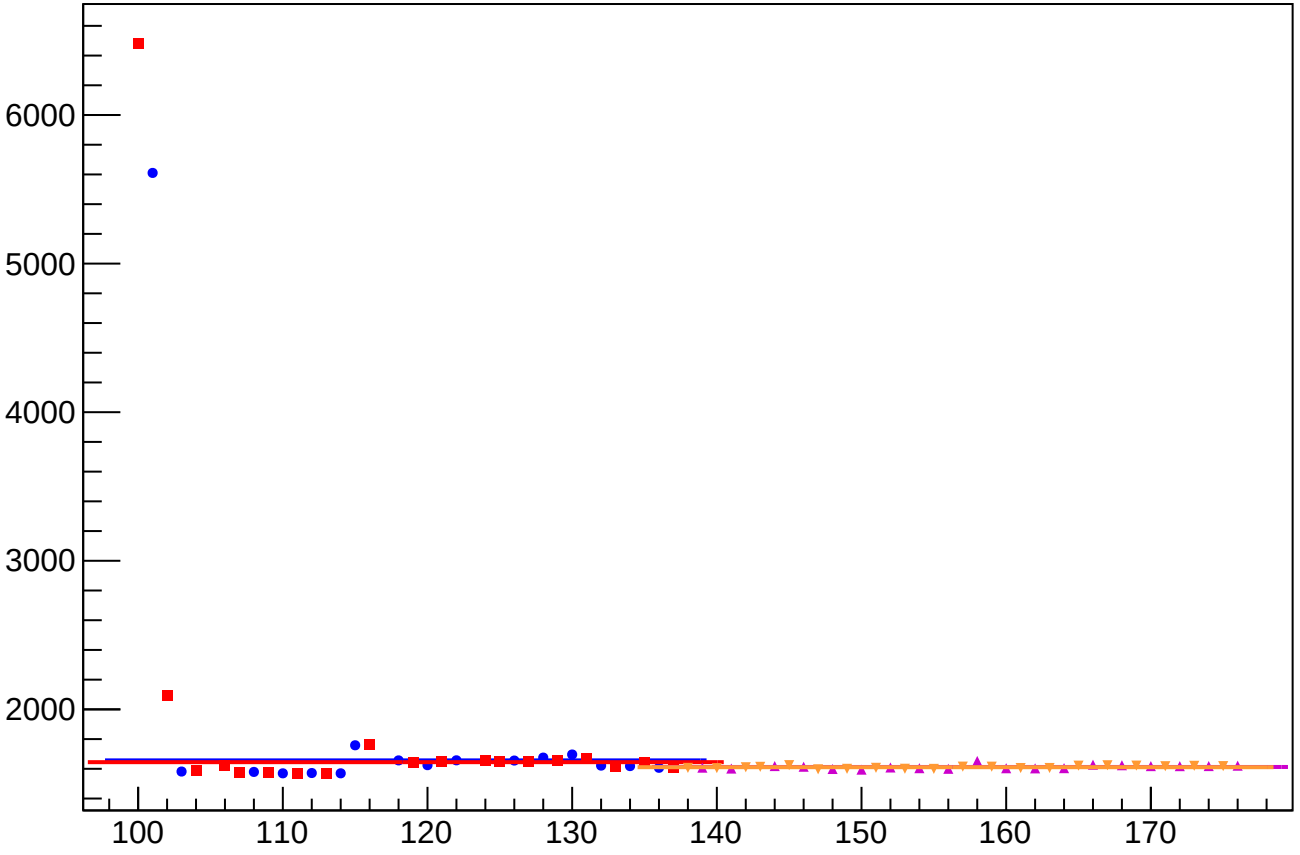
Left In: -2365.647+/-408.993 χ^2/NDF:30.4/18

+ sign 2349.596+/-340.284 χ^2/NDF: 33.6/35

All: -5.455+/-240.391 χ^2/NDF: 171.7/73

- sign -2351.658+/-339.645 χ^2/NDF: 42.5/37

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1610.876+/-0.286 χ^2/NDF:925.7/19

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

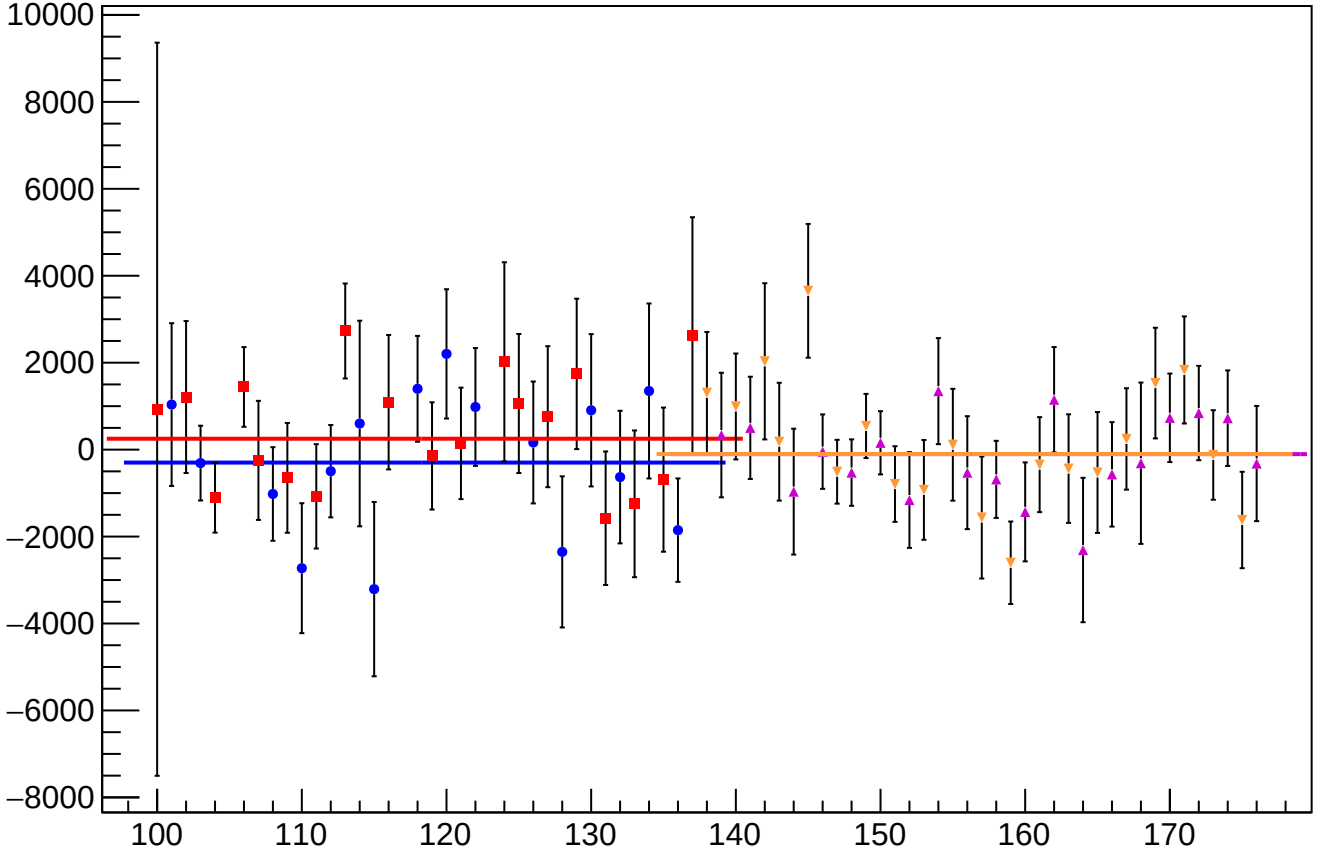
Left In: 1612.352+/-0.289 χ^2/NDF:2087.7/18

+ sign 1624.230+/-0.241 χ^2/NDF: 674636.8/35

All: 1623.314+/-0.170 χ^2/NDF: 817127.5/73

- sign 1622.402+/-0.240 χ^2/NDF: 142461.7/37

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -101.213+/-248.318 χ^2/NDF:25.8/19

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

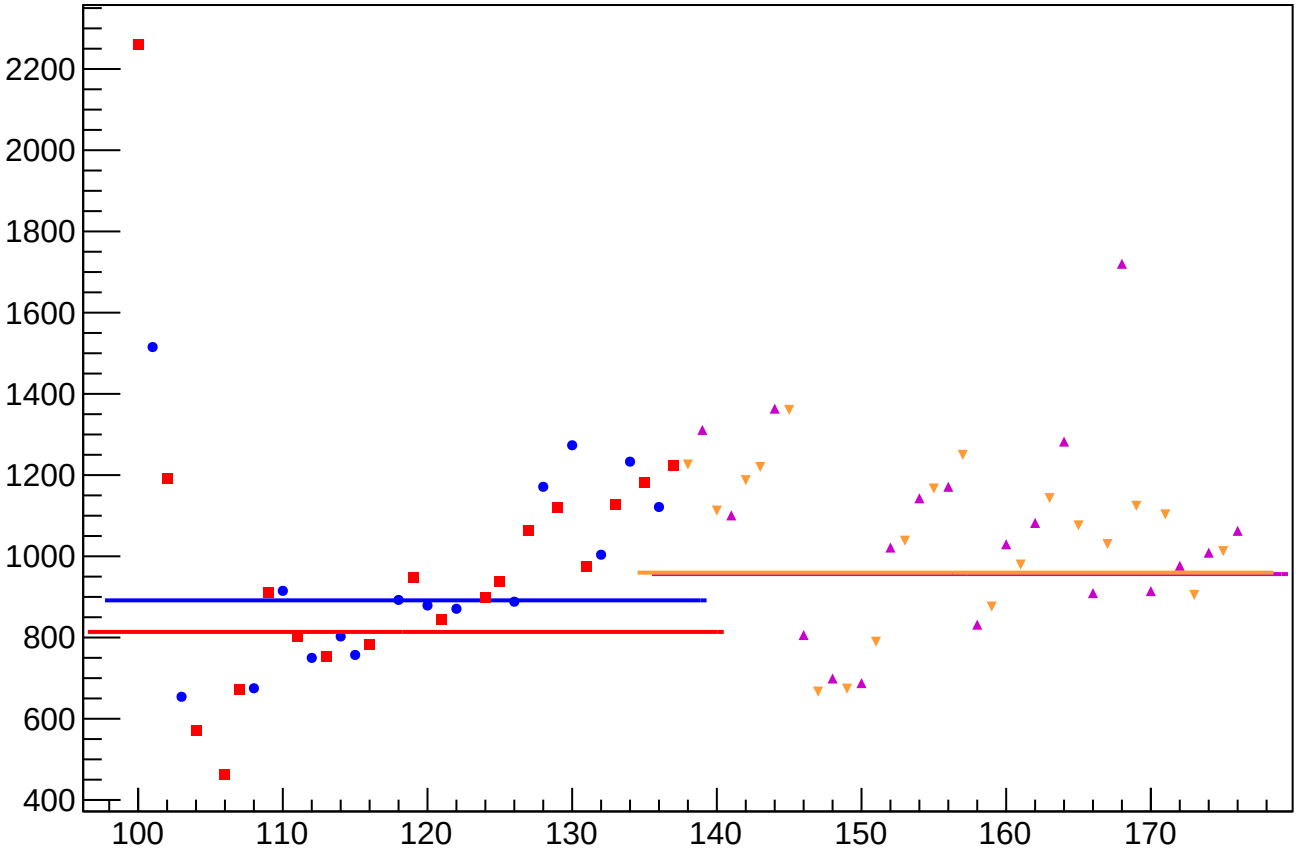
Left In: -103.028+/-249.818 χ^2/NDF:10.4/18

+ sign -168.713+/-201.219 χ^2/NDF: 42.0/35

All: -64.979+/-140.370 χ^2/NDF: 70.9/73

- sign 33.357+/-195.914 χ^2/NDF: 28.4/37

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 959.810+/-0.176 χ^2/NDF:1338075.9/19

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

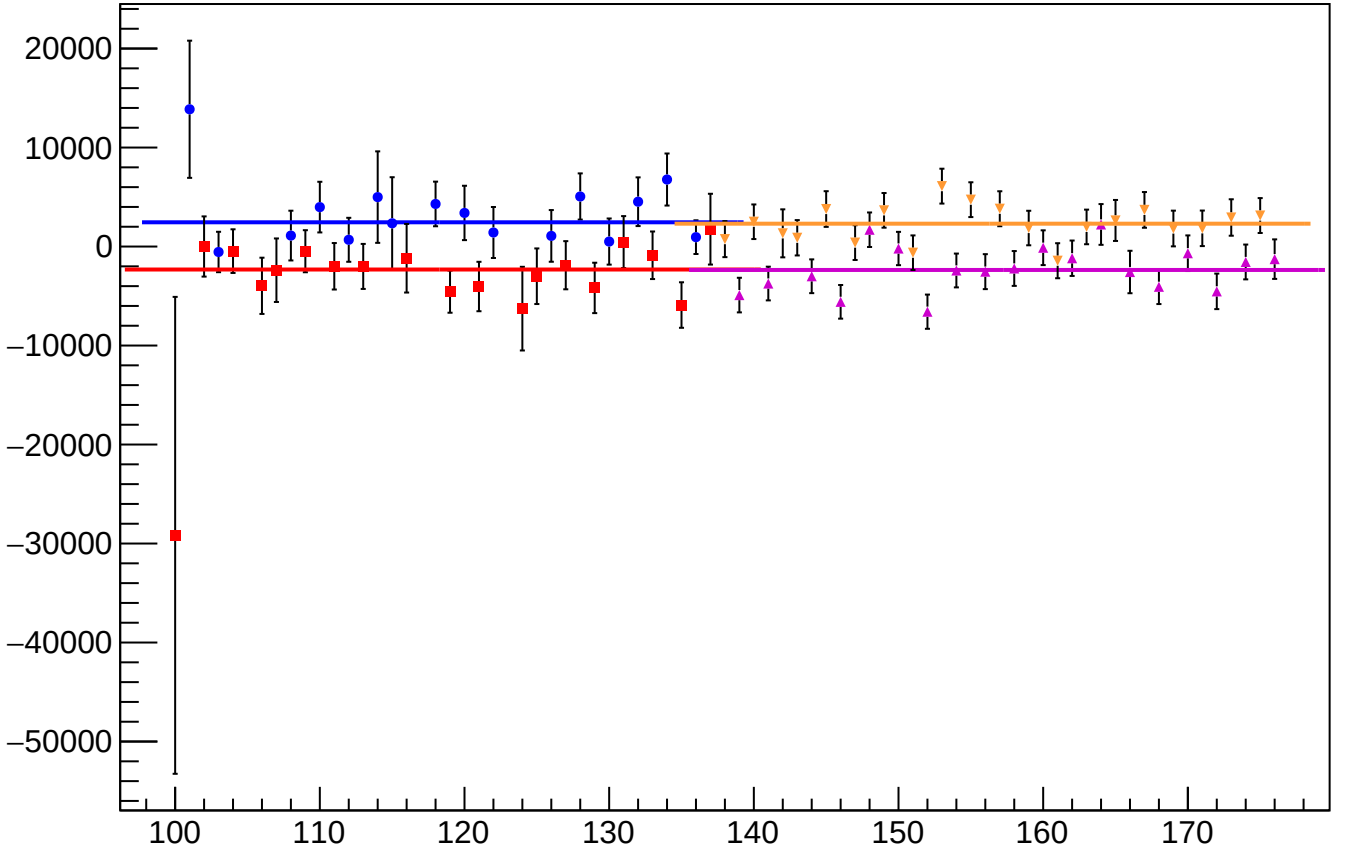
Left In: 956.244+/-0.177 χ^2/NDF:1490658.5/18

+ sign 936.366+/-0.142 χ^2/NDF: 2183652.0/35

All: 918.420+/-0.099 χ^2/NDF: 5008599.2/73

- sign 901.408+/-0.139 χ^2/NDF: 2793958.0/37

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2308.530+/-404.278 χ^2/NDF:19.8/19

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

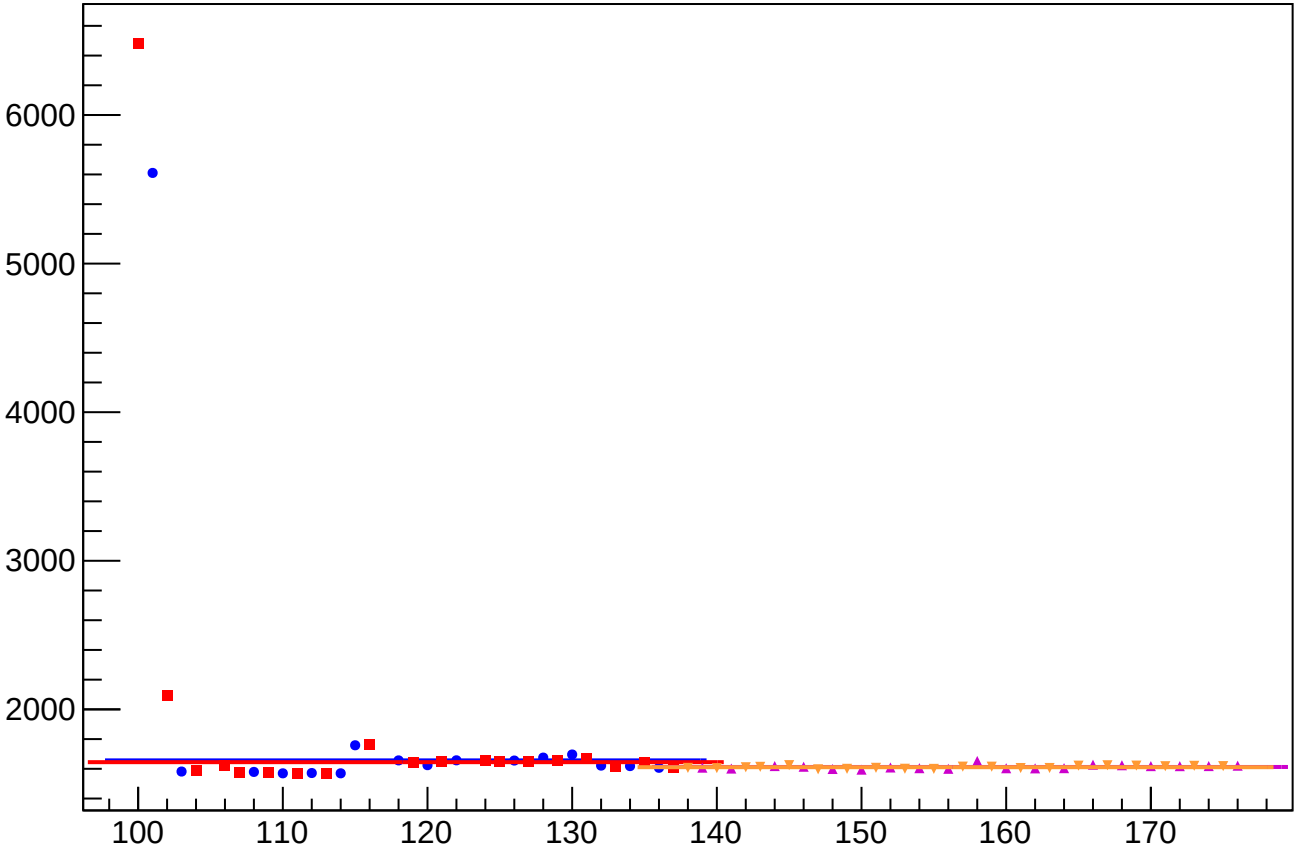
Left In: -2365.647+/-408.993 χ^2/NDF:30.4/18

+ sign 2349.596+/-340.284 χ^2/NDF: 33.6/35

All: -5.455+/-240.391 χ^2/NDF: 171.7/73

- sign -2351.658+/-339.645 χ^2/NDF: 42.5/37

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1610.876+/-0.286 χ^2/NDF:925.7/19

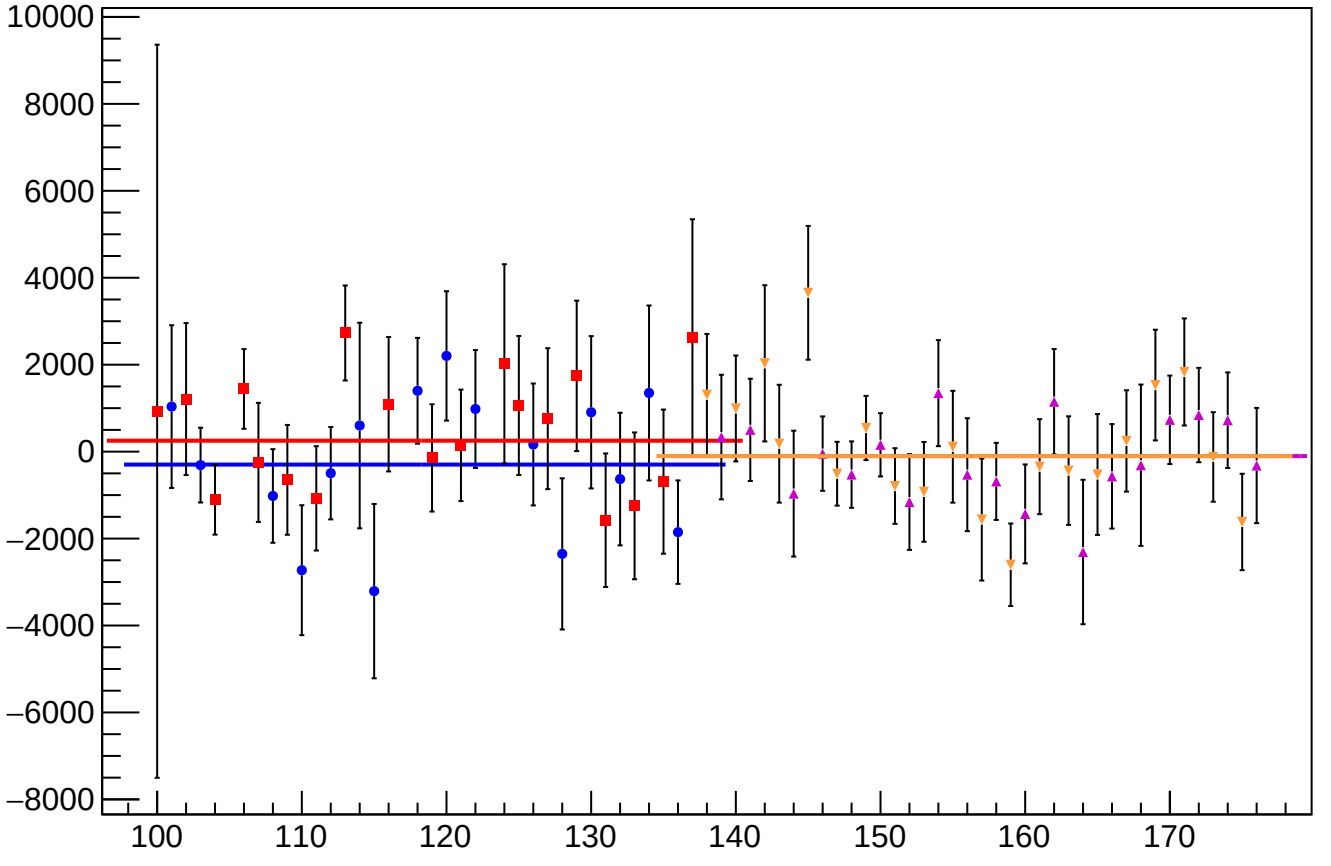
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1612.352+/-0.289 χ^2/NDF:2087.7/18

+ sign 1624.230+/-0.241 χ^2/NDF: 674636.8/35

All: 1623.314+/-0.170 χ^2/NDF: 817127.5/73

- sign 1622.402+/-0.240 χ^2/NDF: 142461.7/37



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -101.213+/-248.318 χ^2/NDF:25.8/19

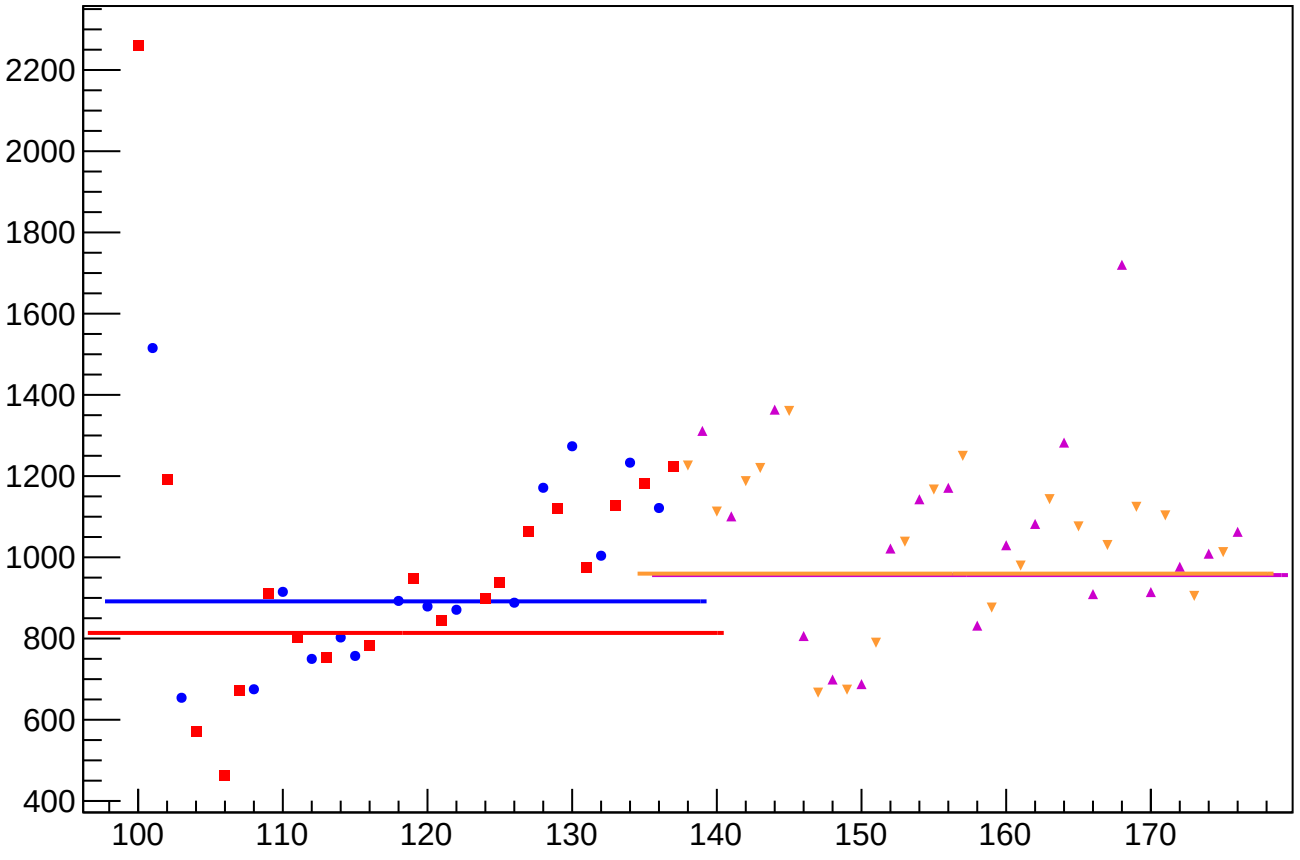
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -103.028+/-249.818 χ^2/NDF:10.4/18

+ sign -168.713+/-201.219 χ^2/NDF: 42.0/35

All: -64.979+/-140.370 χ^2/NDF: 70.9/73

- sign 33.357+/-195.914 χ^2/NDF: 28.4/37



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 959.810+/-0.176 χ^2/NDF:1338075.9/19

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

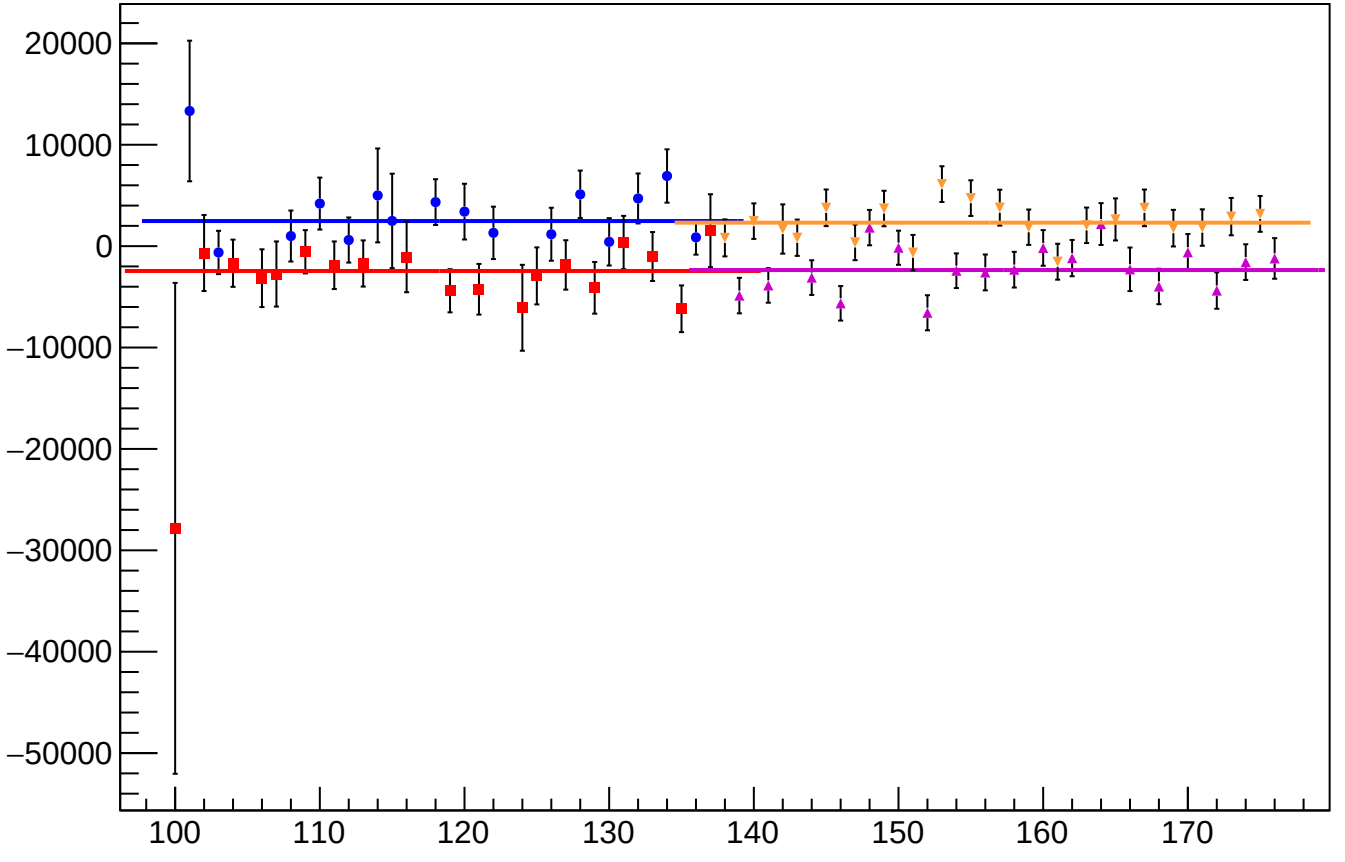
Left In: 956.244+/-0.177 χ^2/NDF:1490658.5/18

+ sign 936.366+/-0.142 χ^2/NDF: 2183652.0/35

All: 918.420+/-0.099 χ^2/NDF: 5008599.2/73

- sign 901.408+/-0.139 χ^2/NDF: 2793958.0/37

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2317.266+/-404.909 χ^2/NDF:20.1/19

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

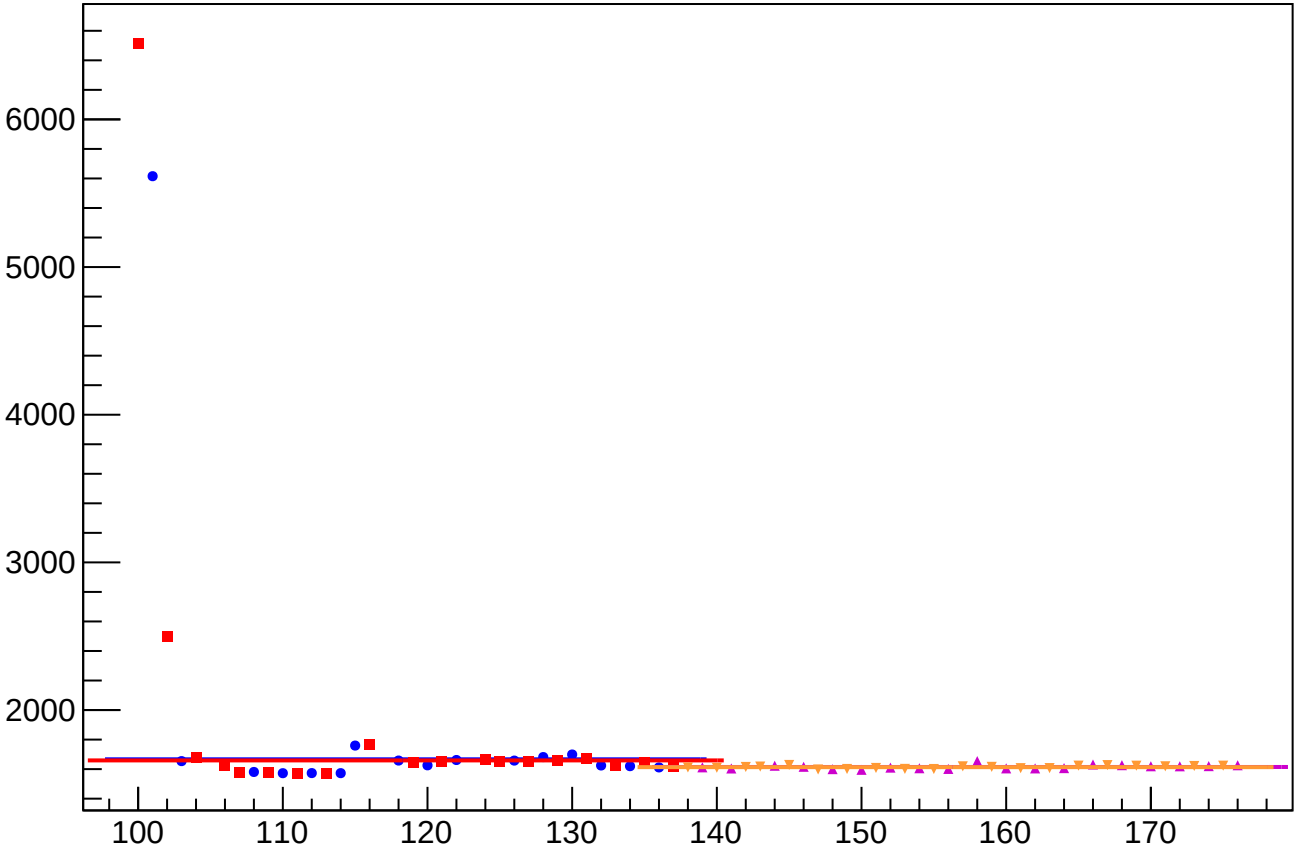
Left In: -2356.869+/-409.539 χ^2/NDF:30.6/18

+ sign 2363.043+/-341.230 χ^2/NDF: 34.3/35

All: -10.476+/-241.312 χ^2/NDF: 172.3/73

- sign -2385.028+/-341.304 χ^2/NDF: 41.2/37

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1613.379+/-0.286 χ^2/NDF:1054.6/19

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

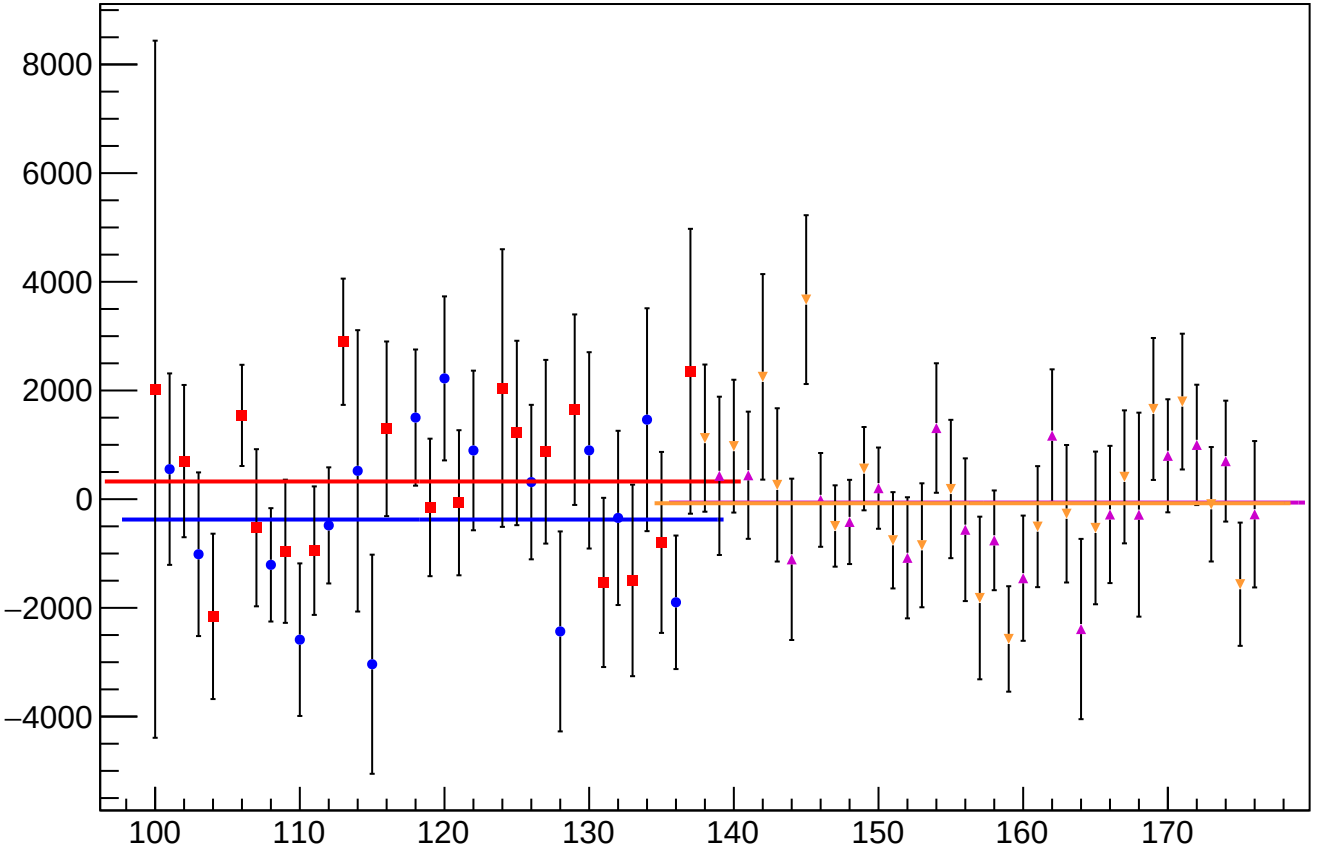
Left In: 1614.490+/-0.290 χ^2/NDF:2185.1/18

\+ sign 1628.745+/-0.241 χ^2/NDF: 673907.2/35

All: 1628.416+/-0.171 χ^2/NDF: 876537.4/73

\- sign 1628.088+/-0.241 χ^2/NDF: 202626.5/37

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -74.926+/-253.367 χ^2/NDF:25.2/19

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

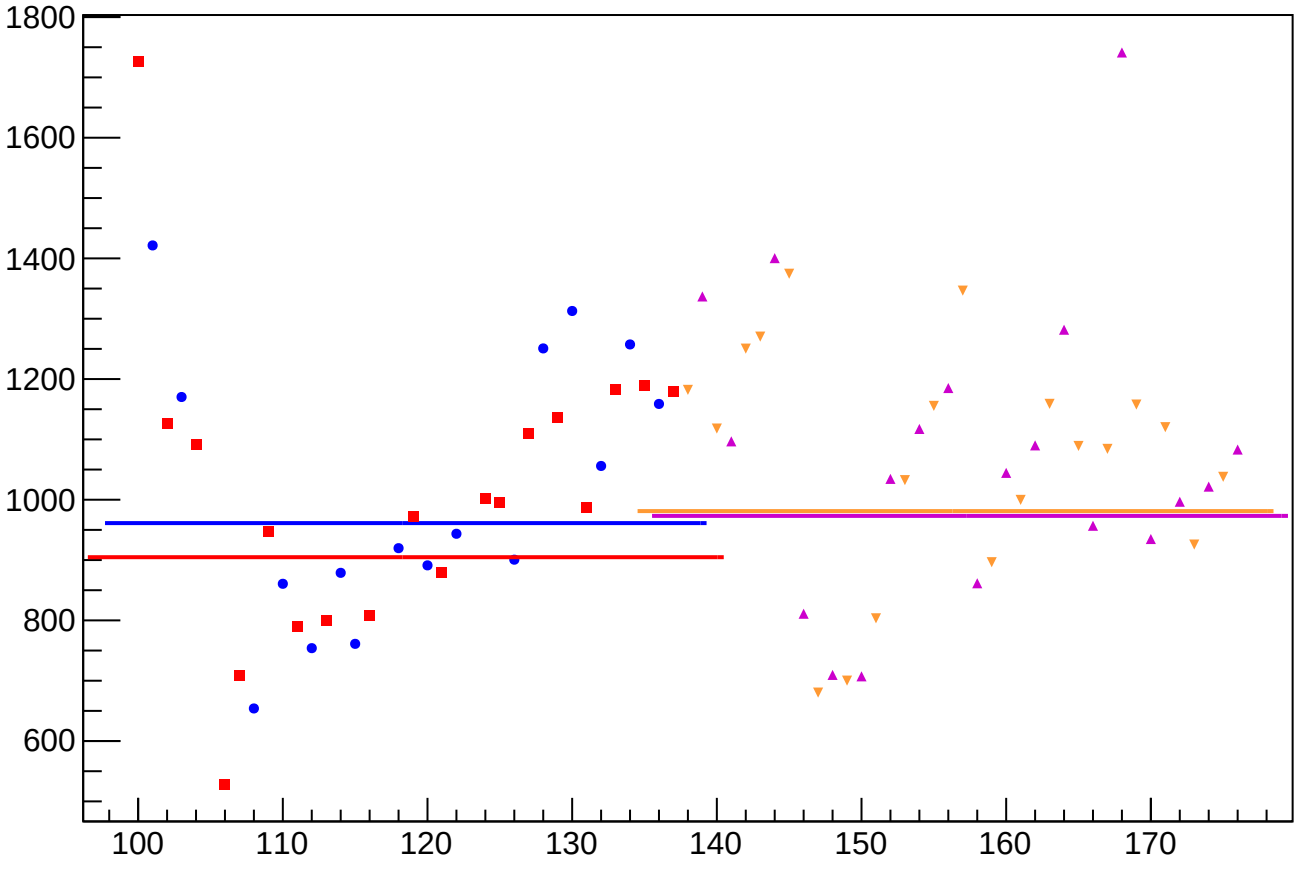
Left In: -62.572+/-253.774 χ^2/NDF:10.6/18

+ sign -171.314+/-208.678 χ^2/NDF: 41.3/35

All: -44.548+/-145.693 χ^2/NDF: 70.9/73

- sign 76.009+/-203.503 χ^2/NDF: 28.8/37

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 981.142+/-0.179 χ^2/NDF:1308287.1/19

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

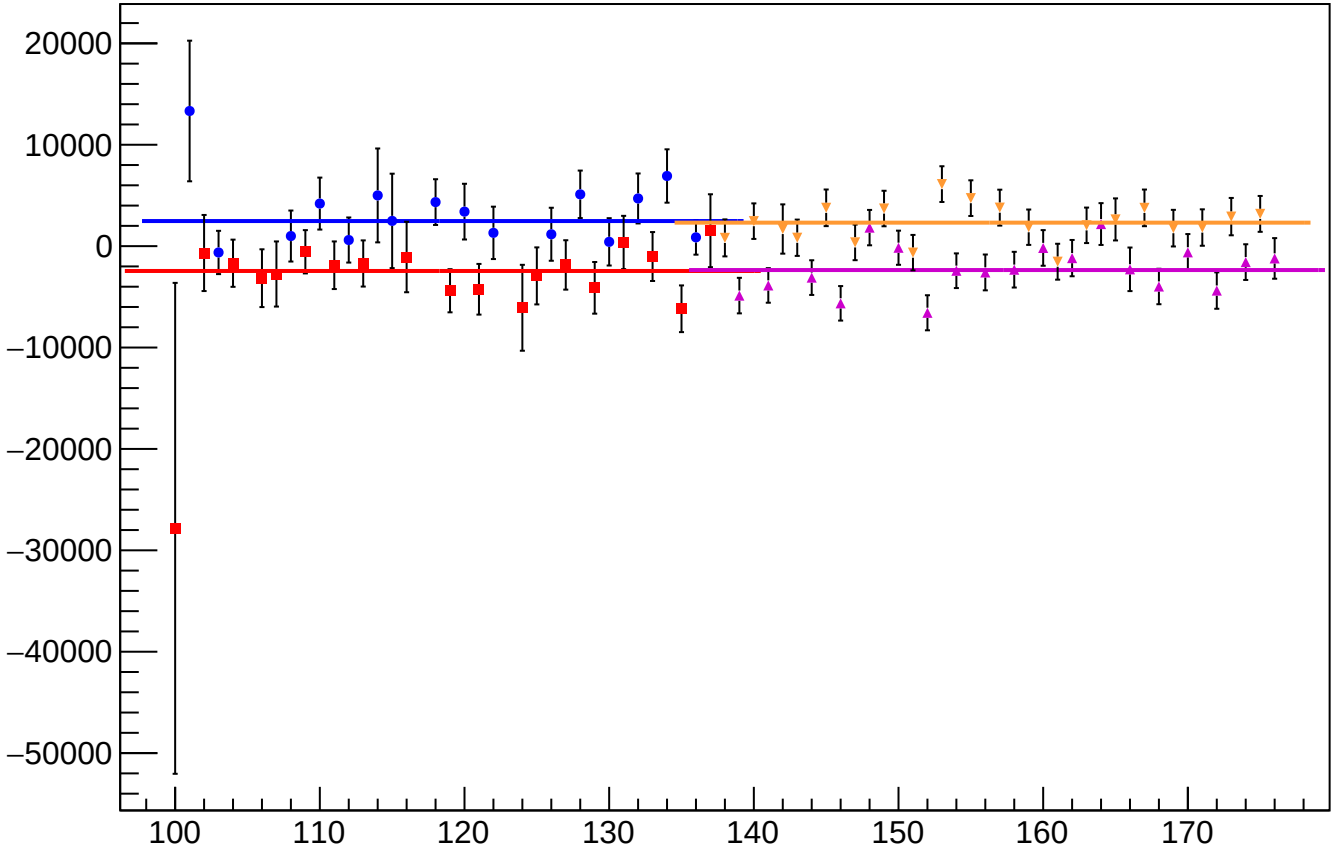
Left In: 973.206+/-0.179 χ^2/NDF:1435957.9/18

\+ sign 974.741+/-0.148 χ^2/NDF: 2004130.8/35

All: 961.428+/-0.103 χ^2/NDF: 4244424.6/73

\- sign 948.766+/-0.144 χ^2/NDF: 2224410.7/37

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2317.265+/-404.909 χ^2/NDF:20.1/19

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

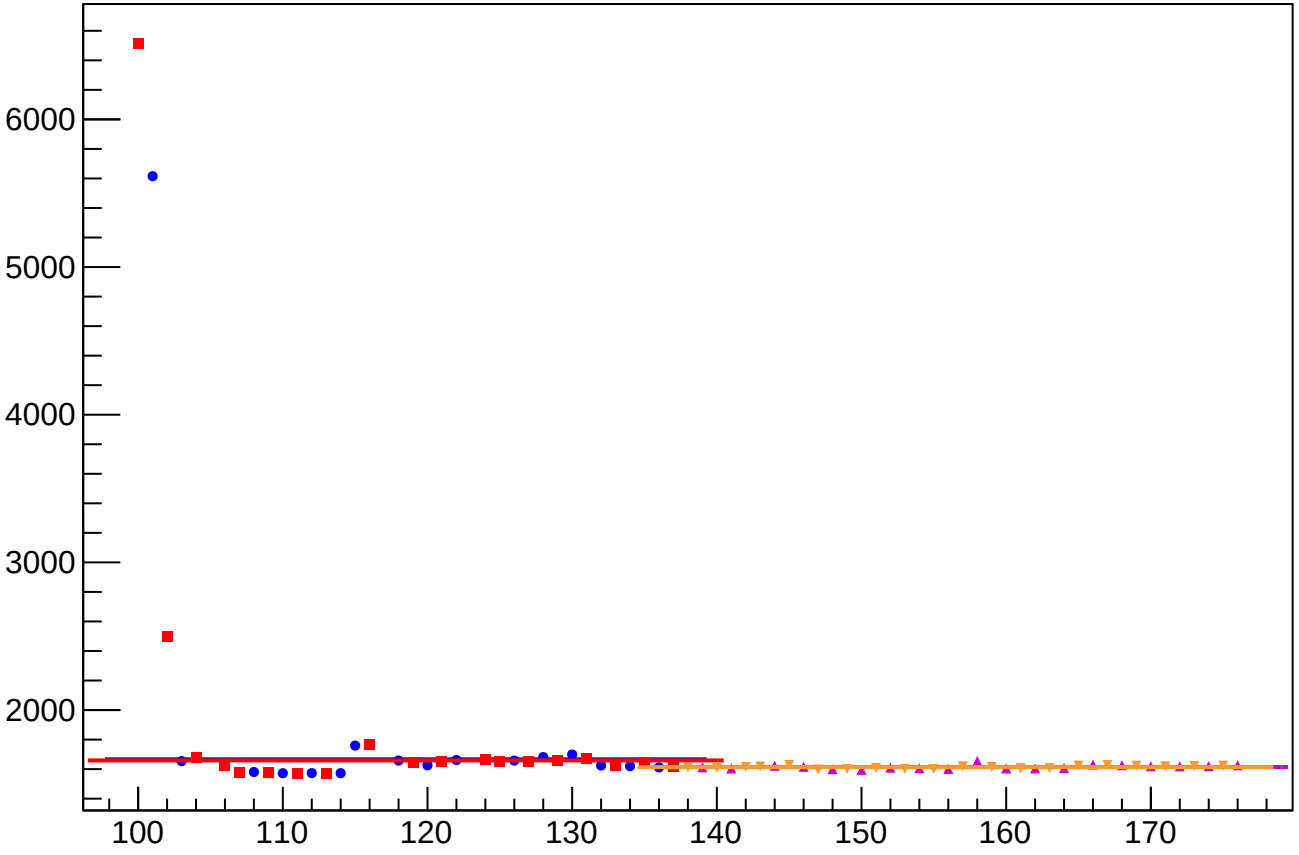
Left In: -2356.869+/-409.539 χ^2/NDF:30.6/18

+ sign 2363.043+/-341.230 χ^2/NDF: 34.3/35

All: -10.477+/-241.312 χ^2/NDF: 172.3/73

- sign -2385.028+/-341.304 χ^2/NDF: 41.2/37

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1613.379+/-0.286 χ^2/NDF:1054.6/19

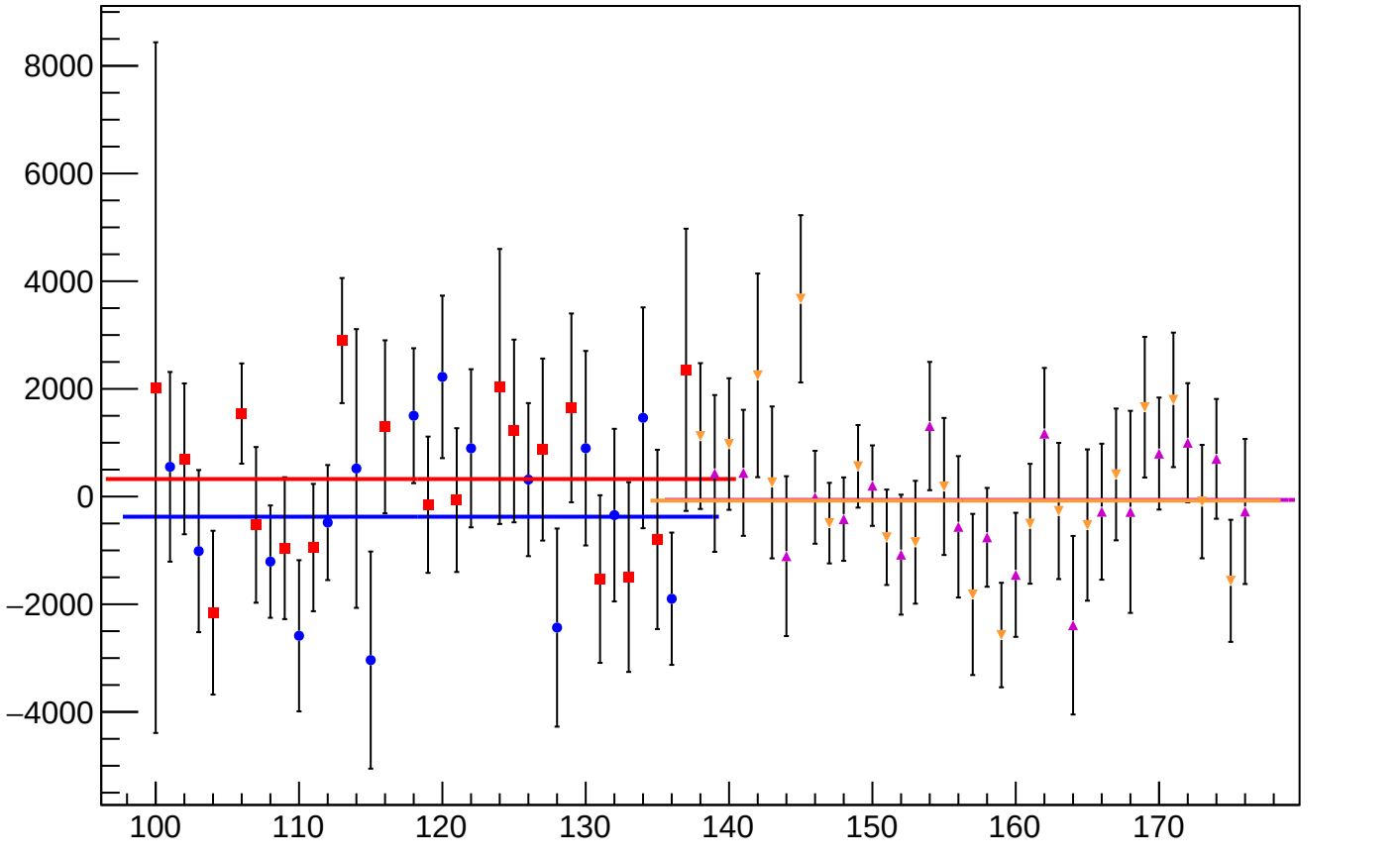
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1614.490+/-0.290 χ^2/NDF:2185.1/18

+ sign 1628.745+/-0.241 χ^2/NDF: 673907.2/35

All: 1628.416+/-0.171 χ^2/NDF: 876537.2/73

- sign 1628.088+/-0.241 χ^2/NDF: 202626.3/37



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -74.927+/-253.367 χ^2/NDF:25.2/19

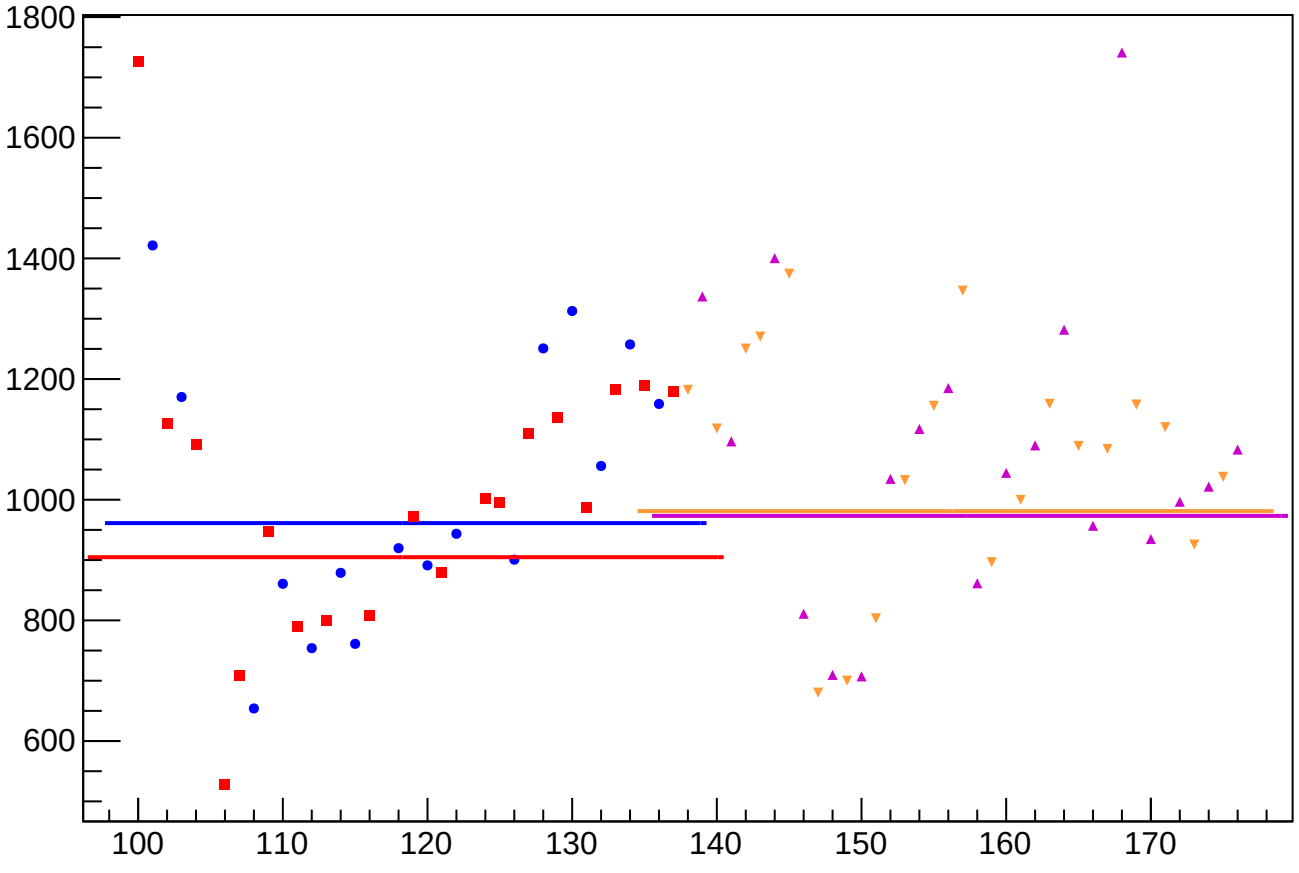
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -62.573+/-253.774 χ^2/NDF:10.6/18

+ sign -171.315+/-208.678 χ^2/NDF: 41.3/35

All: -44.549+/-145.693 χ^2/NDF: 70.9/73

- sign 76.009+/-203.503 χ^2/NDF: 28.8/37



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 981.144+/-0.179 χ^2/NDF:1308290.3/19

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

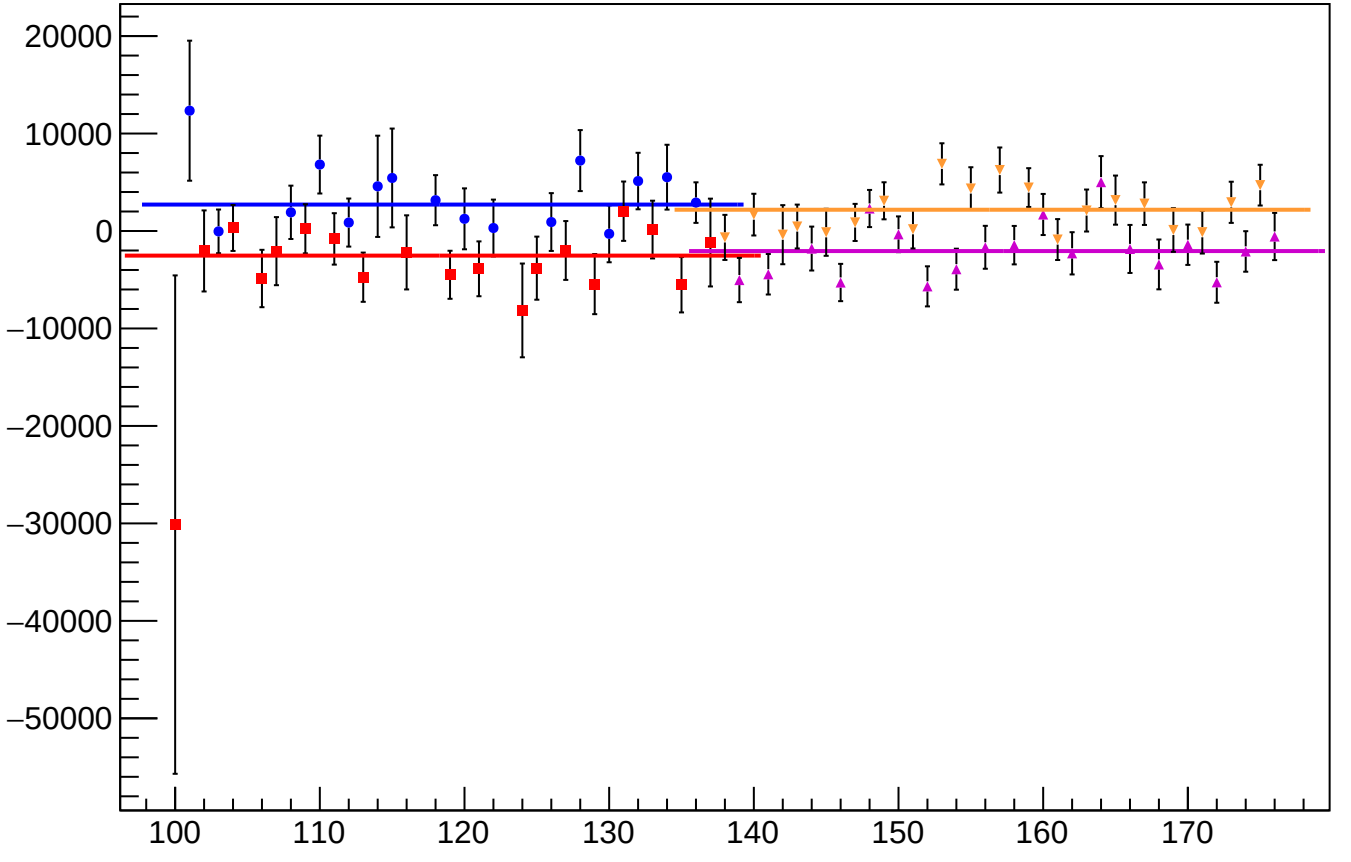
Left In: 973.208+/-0.179 χ^2/NDF:1435961.2/18

+ sign 974.742+/-0.148 χ^2/NDF: 2004144.4/35

All: 961.428+/-0.103 χ^2/NDF: 4244445.7/73

- sign 948.766+/-0.144 χ^2/NDF: 2224418.4/37

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2181.014+/-485.783 χ^2/NDF:21.8/19

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

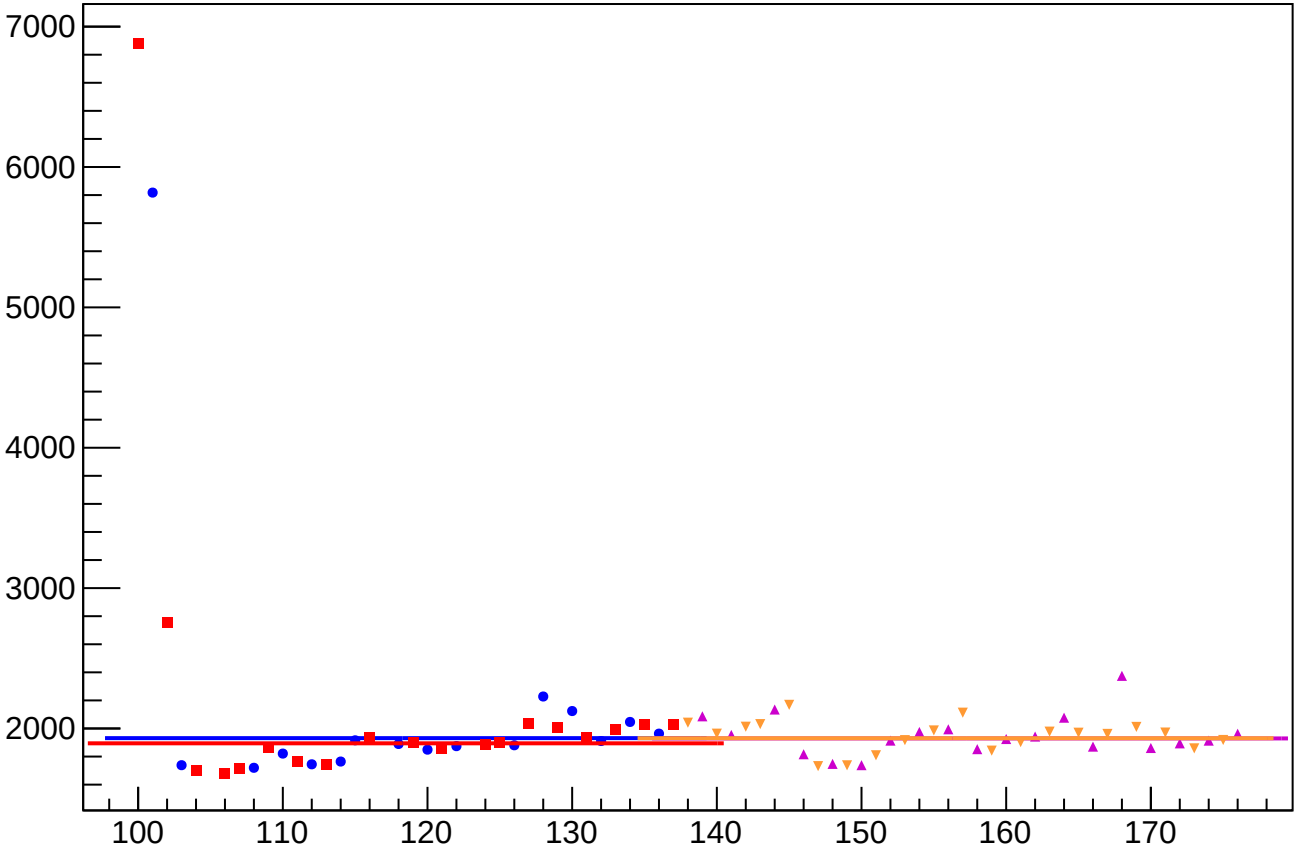
Left In: -2058.873+/-490.813 χ^2/NDF:29.3/18

+ sign 2342.234+/-405.281 χ^2/NDF: 34.3/35

All: 53.319+/-285.795 χ^2/NDF: 140.6/73

- sign -2210.796+/-403.079 χ^2/NDF: 42.9/37

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1930.569+/-0.344 χ^2/NDF:105523.7/19

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

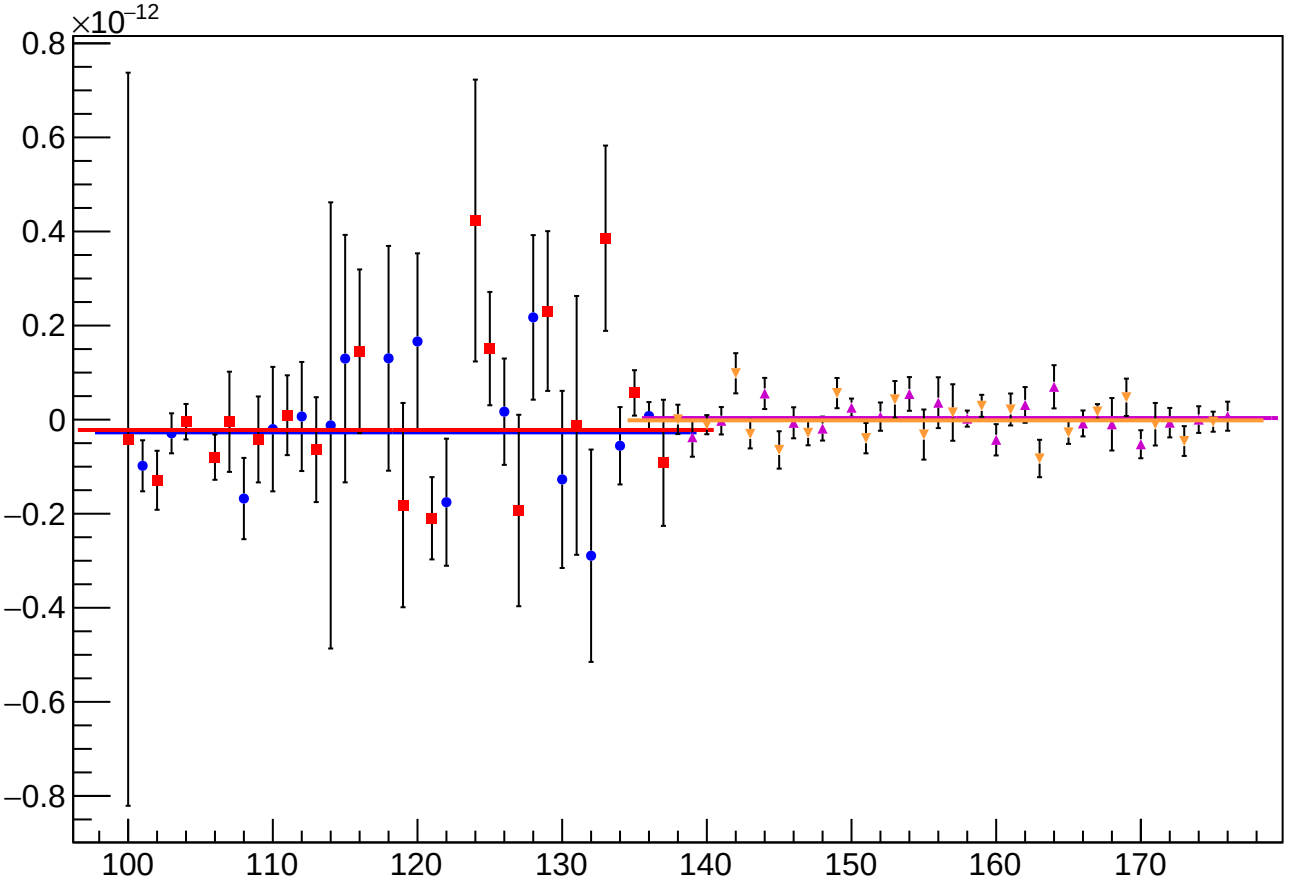
Left In: 1929.160+/-0.347 χ^2/NDF:150409.0/18

+ sign 1930.776+/-0.287 χ^2/NDF: 766751.9/35

All: 1924.266+/-0.202 χ^2/NDF: 1142003.7/73

- sign 1917.827+/-0.285 χ^2/NDF: 374225.4/37

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:28.8/19

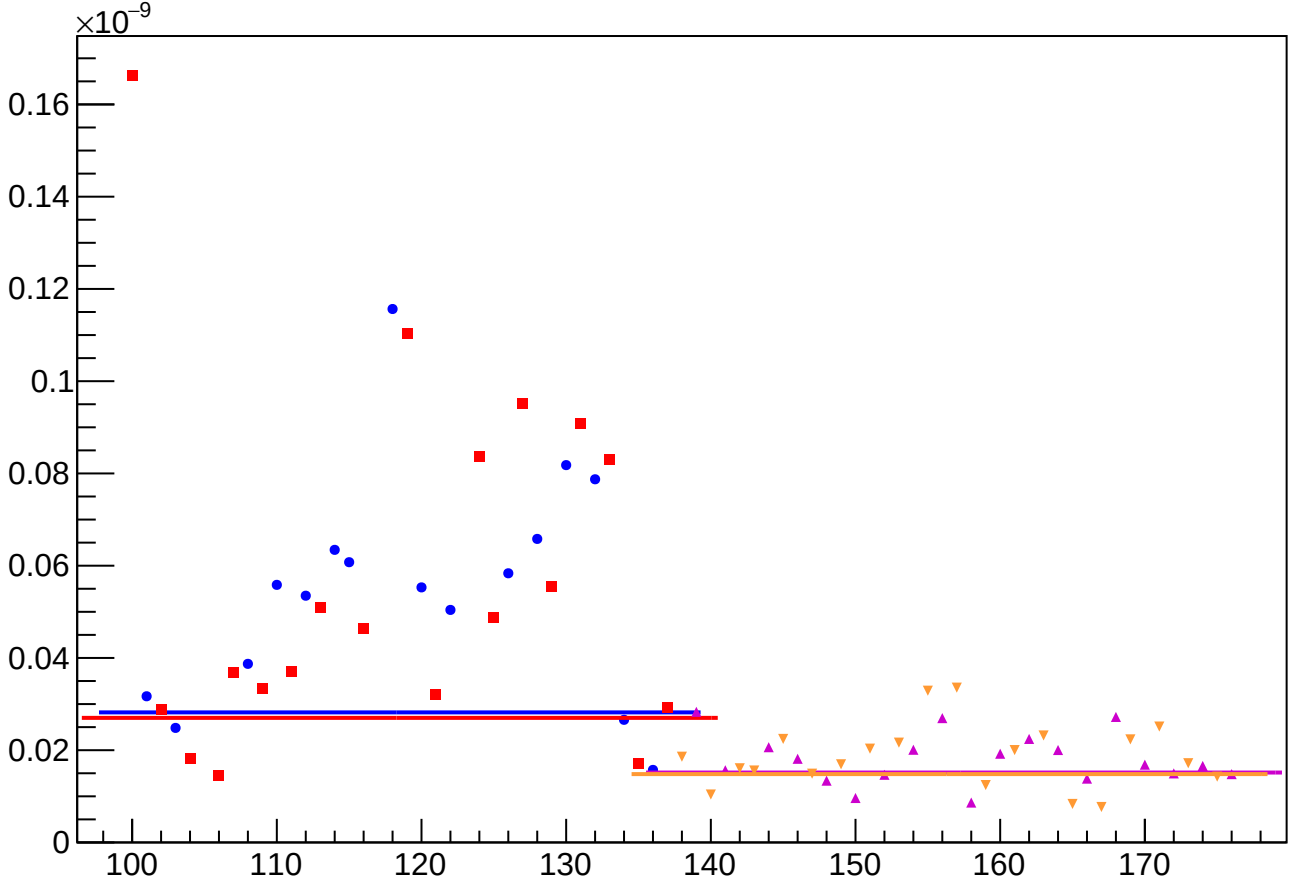
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 43.2/35

All: -0.000+/-0.000 χ^2/NDF: 86.9/73

- sign 0.000+/-0.000 χ^2/NDF: 43.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1645395.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

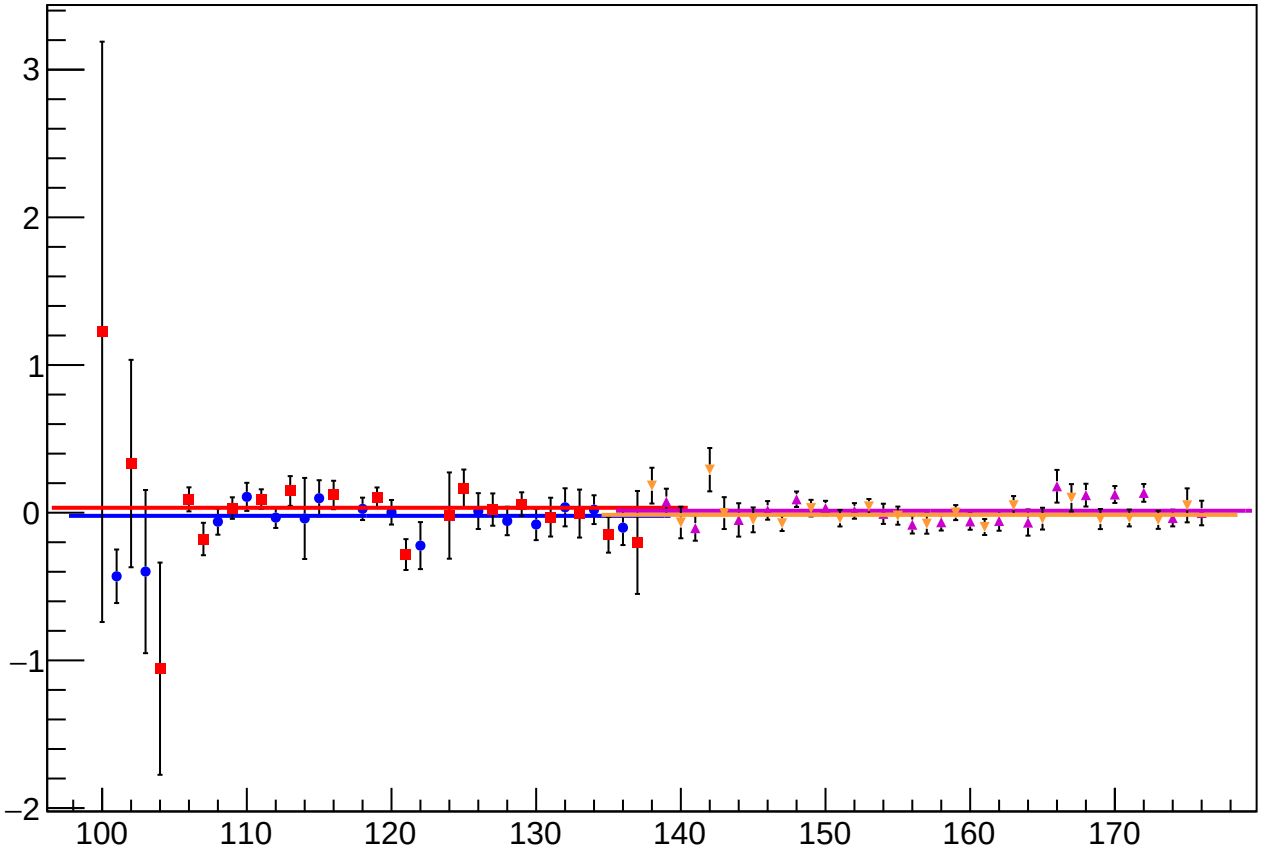
Left In: 0.000+/-0.000 χ^2/NDF:1104104.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 4010170.5/35

All: 0.000+/-0.000 χ^2/NDF: 7338605.3/73

- sign 0.000+/-0.000 χ^2/NDF: 3326700.4/37

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: -0.015+/-0.015 χ^2/NDF:17.6/19

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

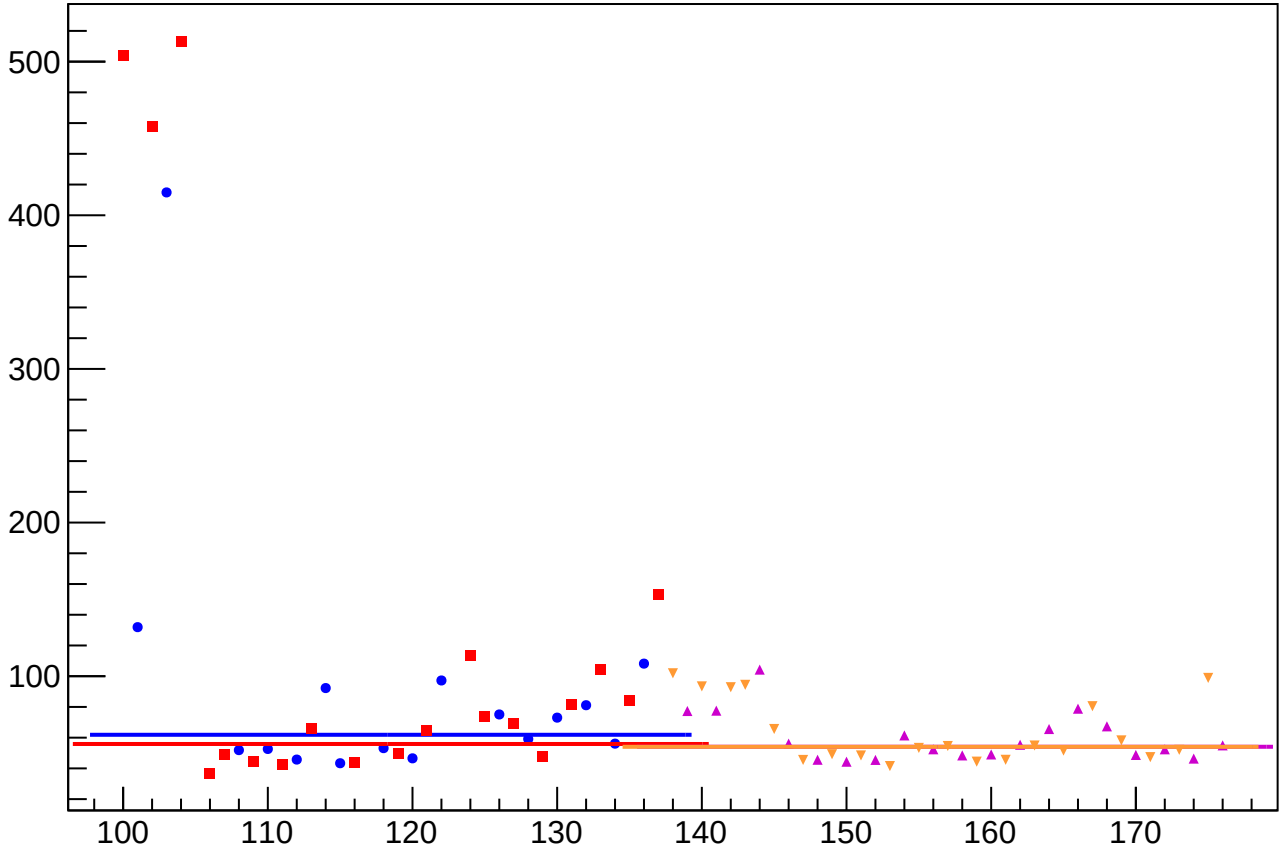
Left In: 0.013+/-0.015 χ^2/NDF:25.7/18

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/35

All: 0.002+/-0.009 χ^2/NDF: 83.8/73

- sign 0.019+/-0.013 χ^2/NDF: 50.5/37

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: 54.052+/-0.011 χ^2/NDF:1880171.0/19

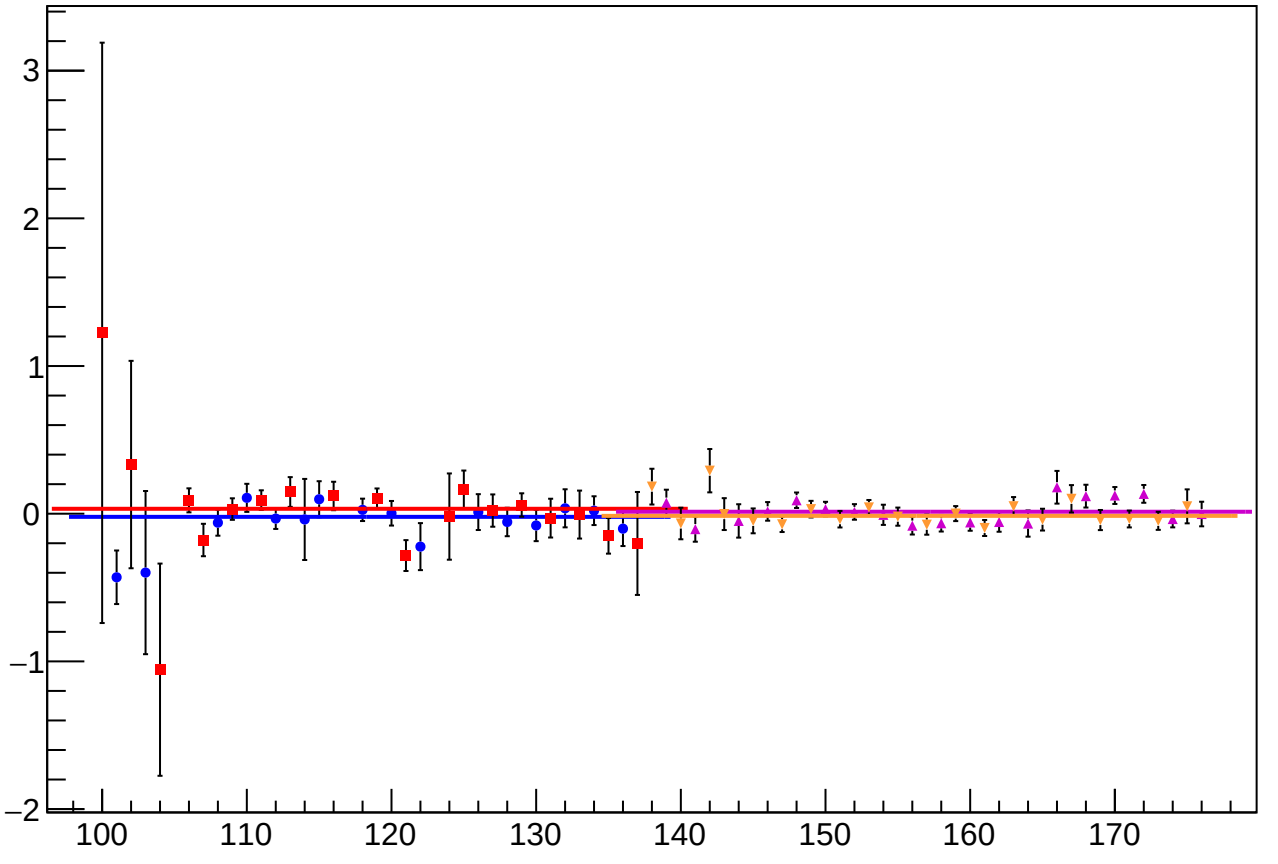
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.077+/-0.011 χ^2/NDF:1182180.8/18

+ sign 55.939+/-0.009 χ^2/NDF: 3949853.0/35

All: 55.236+/-0.006 χ^2/NDF: 7742597.7/73

- sign 54.564+/-0.009 χ^2/NDF: 3781380.2/37



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.015+/-0.015 χ^2/NDF:17.6/19

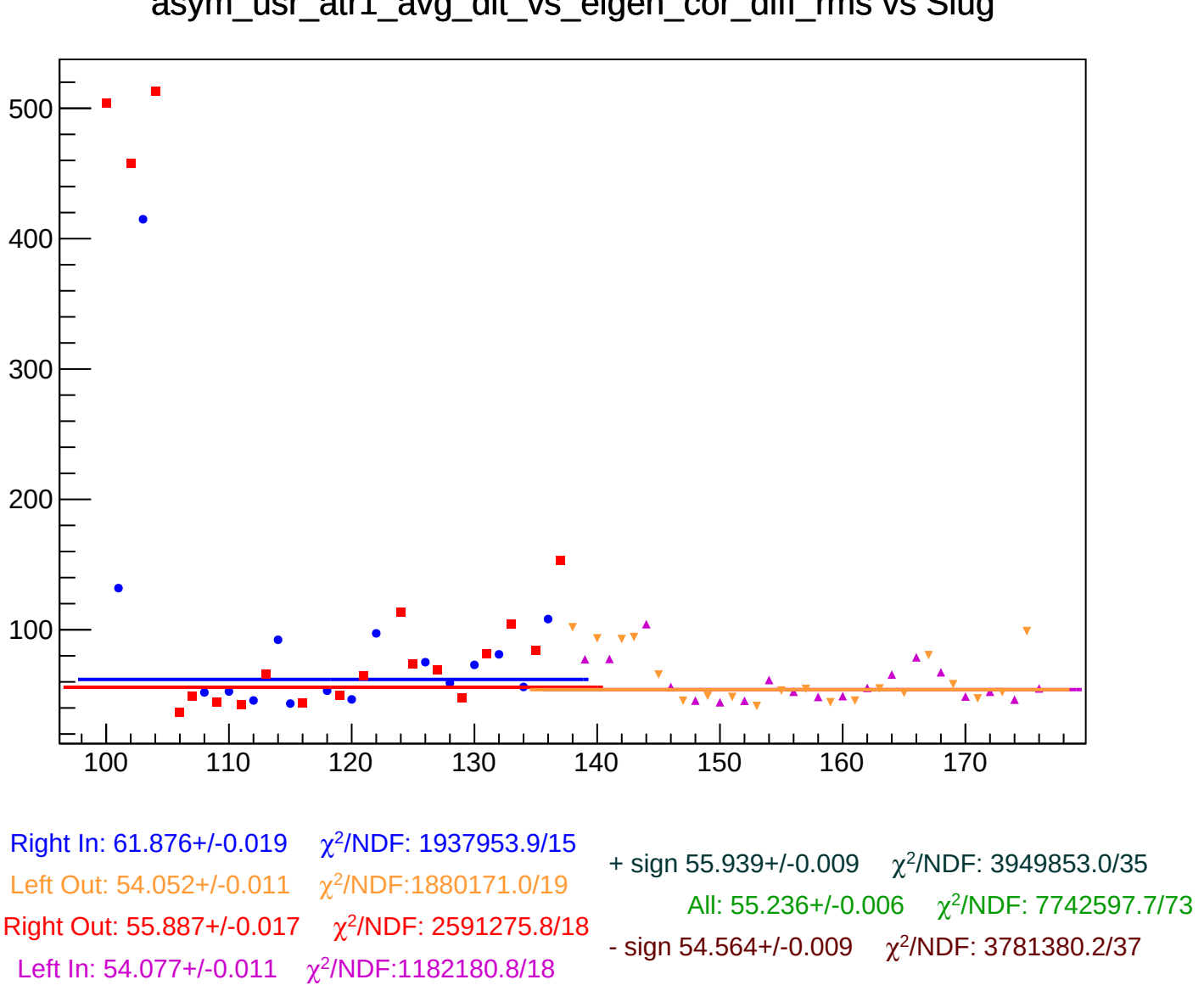
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

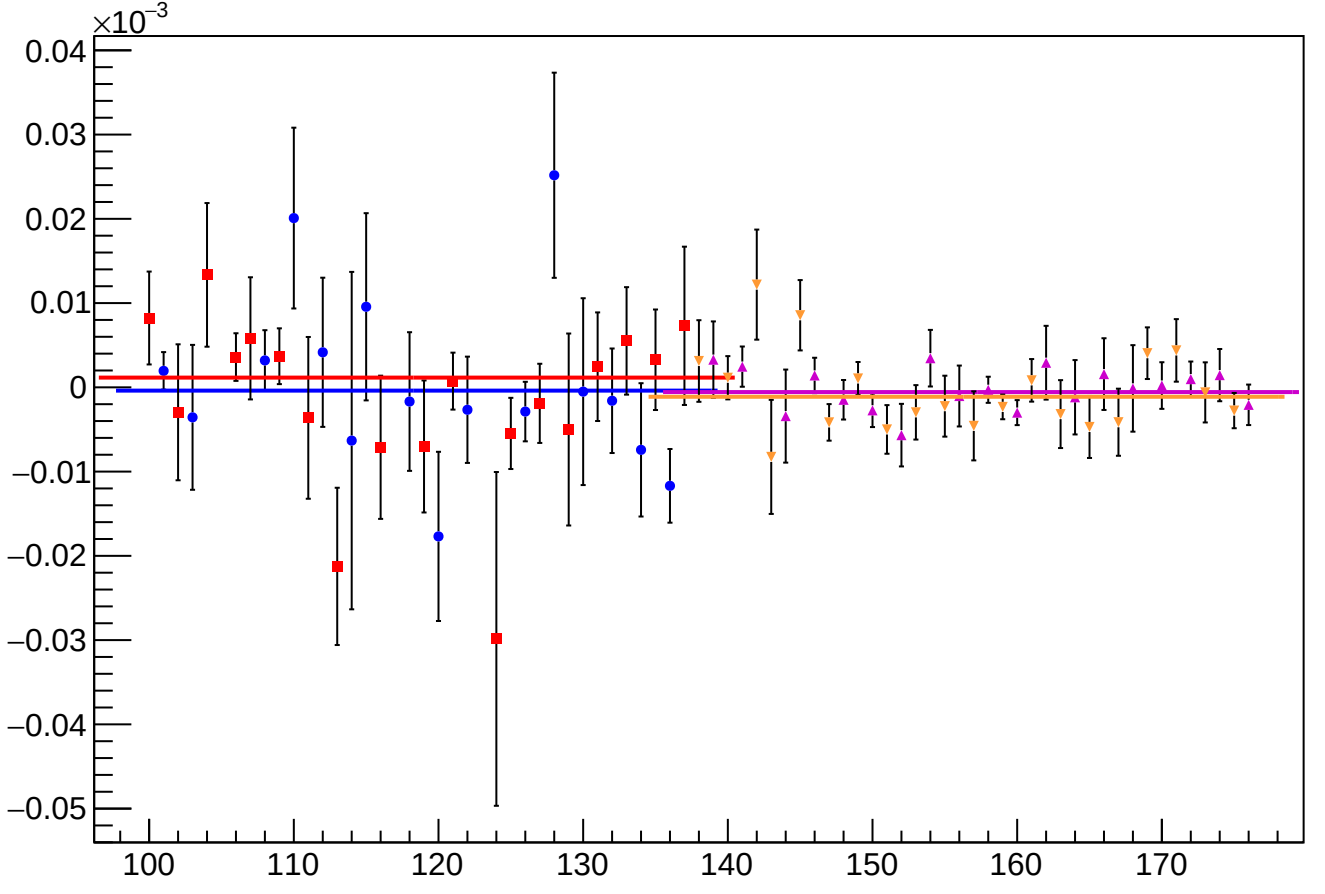
Left In: 0.013+/-0.015 χ^2/NDF:25.7/18

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/35

All: 0.002+/-0.009 χ^2/NDF: 83.8/73

- sign 0.019+/-0.013 χ^2/NDF: 50.5/37


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
170
Right In: 61.876+/-0.019 χ²/NDF: 1937953.9/15
Left Out: 54.052+/-0.011 χ²/NDF:1880171.0/19
Right Out: 55.887+/-0.017 χ²/NDF: 2591275.8/18
Left In: 54.077+/-0.011 χ²/NDF:1182180.8/18
+ sign 55.939+/-0.009 χ²/NDF: 3949853.0/35
All: 55.236+/-0.006 χ²/NDF: 7742597.7/73
- sign 54.564+/-0.009 χ²/NDF: 3781380.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/19

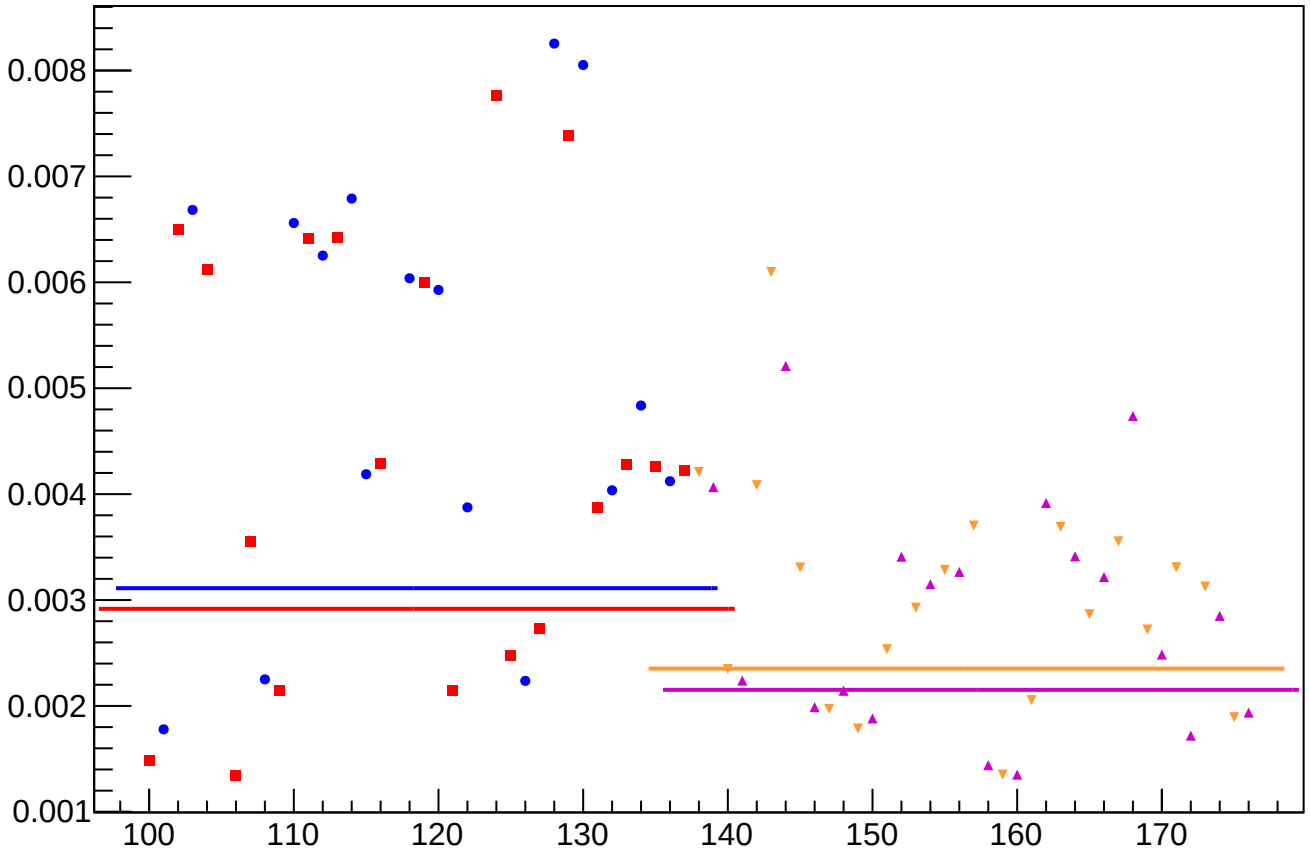
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 49.9/35

All: -0.000+/-0.000 χ^2/NDF: 86.0/73

- sign -0.000+/-0.000 χ^2/NDF: 35.2/37



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3561515.3/19

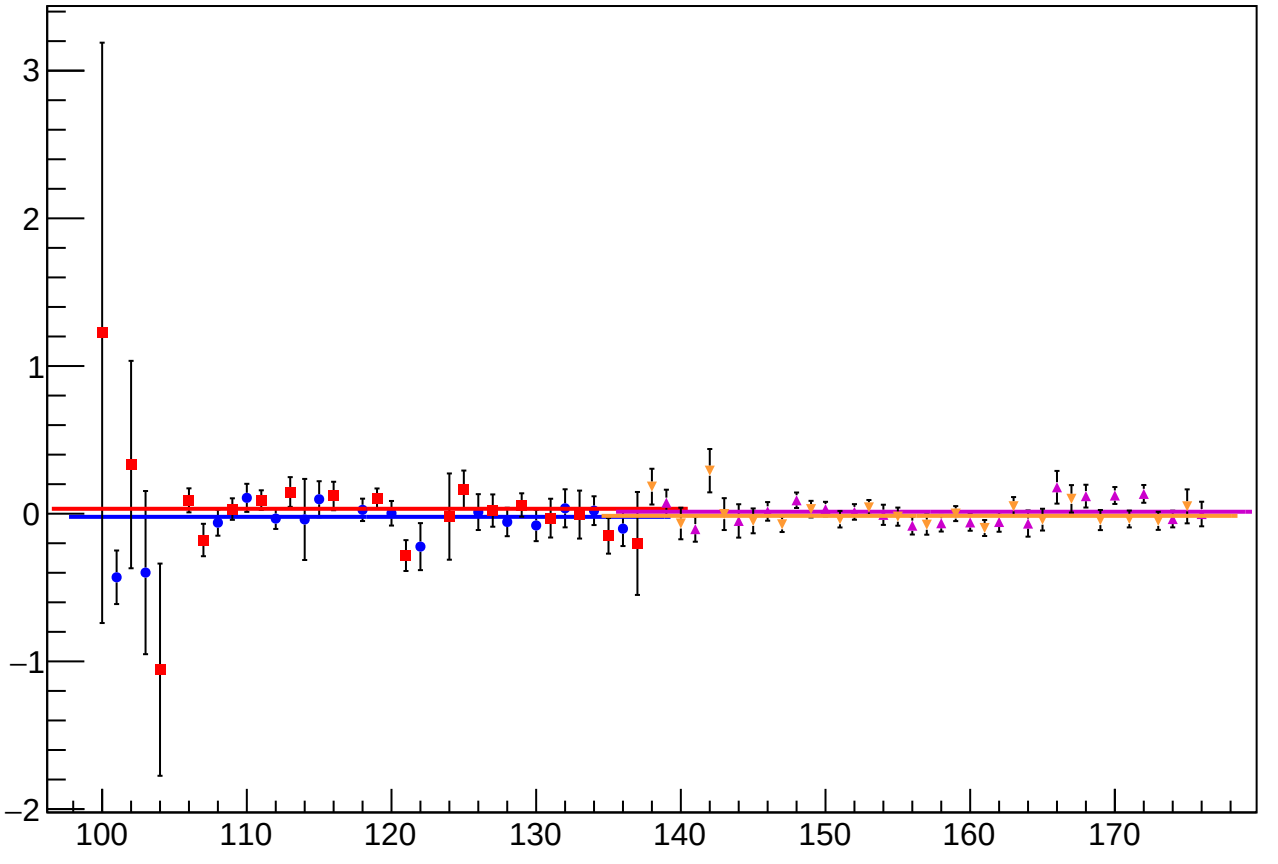
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:3972951.6/18

+ sign 0.002+/-0.000 χ^2/NDF: 7372967.5/35

All: 0.002+/-0.000 χ^2/NDF: 15386288.9/73

- sign 0.002+/-0.000 χ^2/NDF: 7878646.0/37



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.015+/-0.015 χ^2/NDF:17.6/19

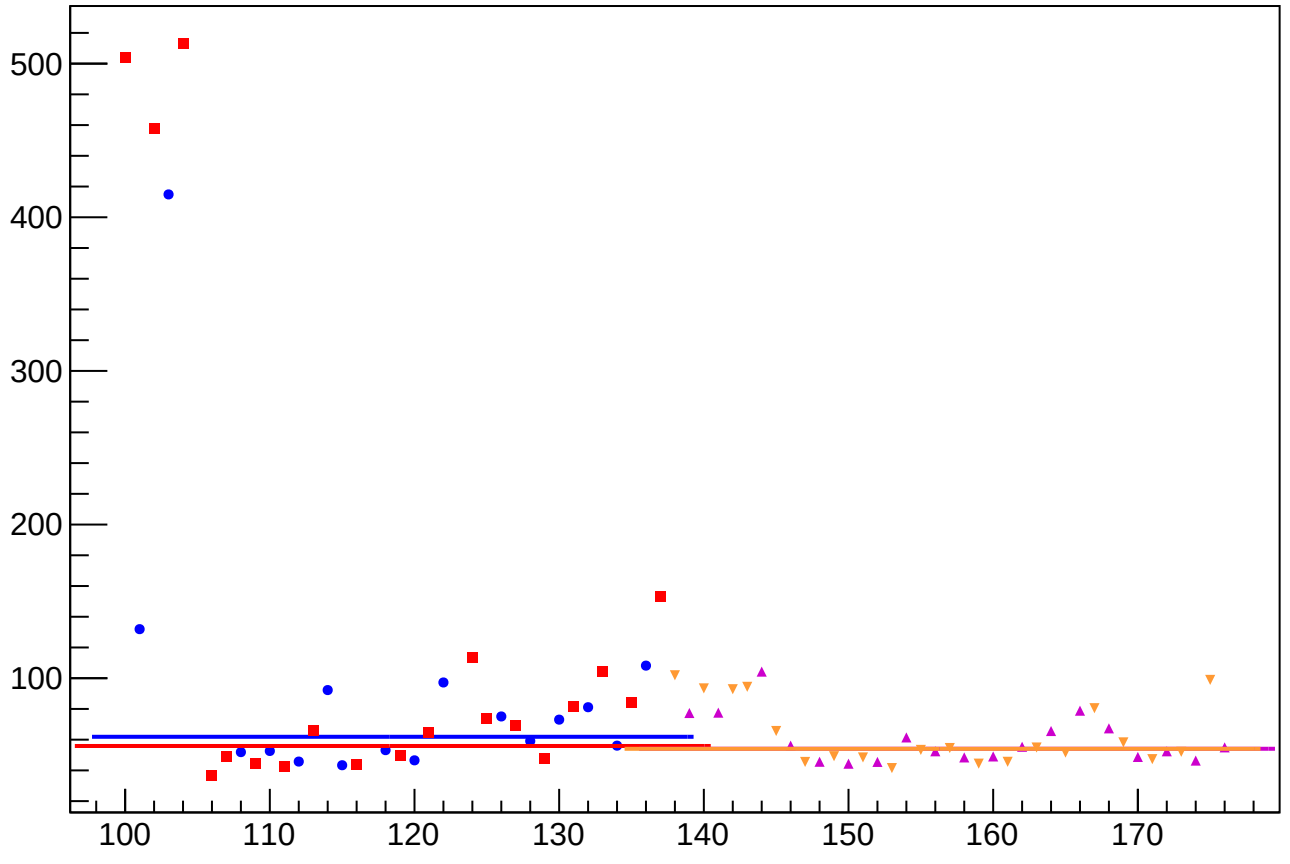
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.013+/-0.015 χ^2/NDF:25.7/18

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/35

All: 0.002+/-0.009 χ^2/NDF: 83.8/73

- sign 0.019+/-0.013 χ^2/NDF: 50.5/37



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.052+/-0.011 χ^2/NDF:1880213.9/19

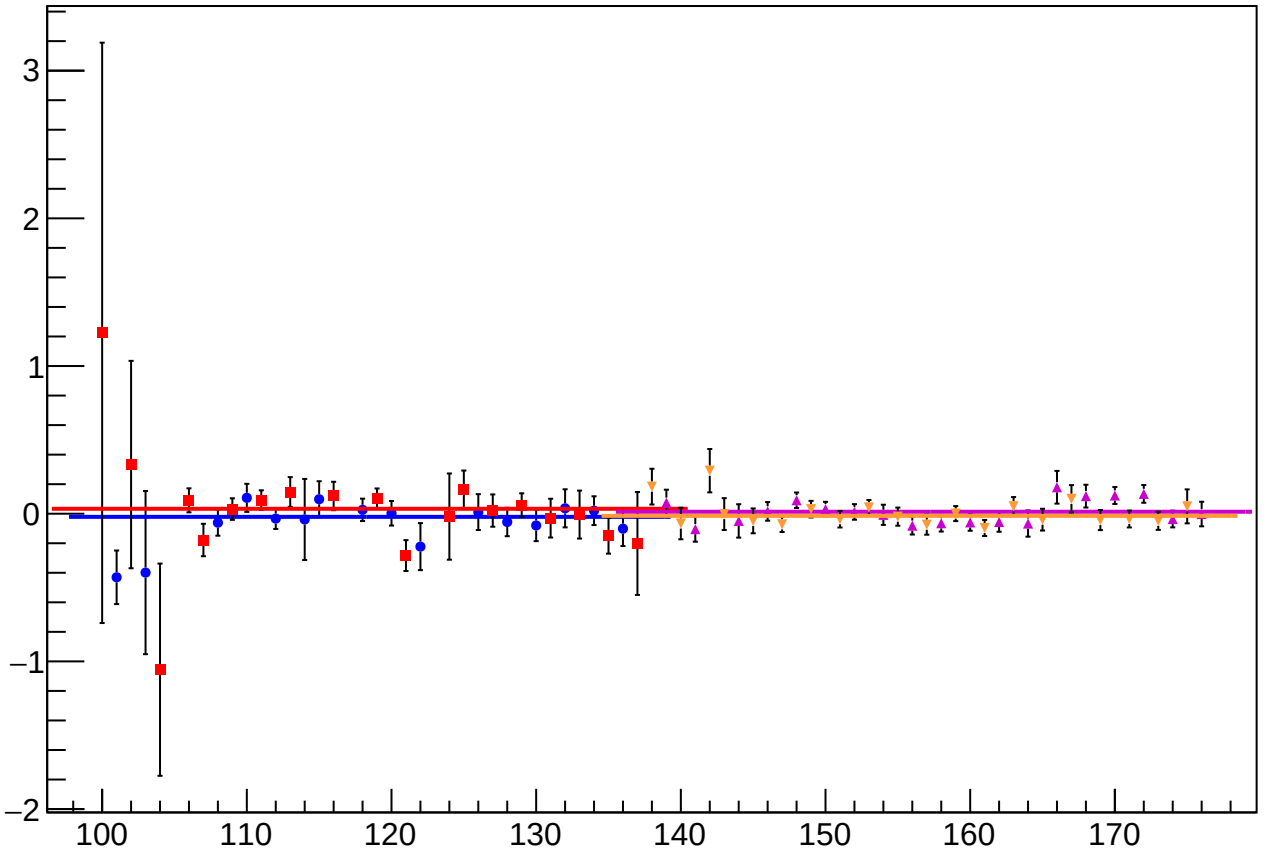
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.077+/-0.011 χ^2/NDF:1182180.2/18

+ sign 55.939+/-0.009 χ^2/NDF: 3949823.6/35

All: 55.236+/-0.006 χ^2/NDF: 7742518.1/73

- sign 54.564+/-0.009 χ^2/NDF: 3781329.4/37



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.015+/-0.015 χ^2/NDF:17.6/19

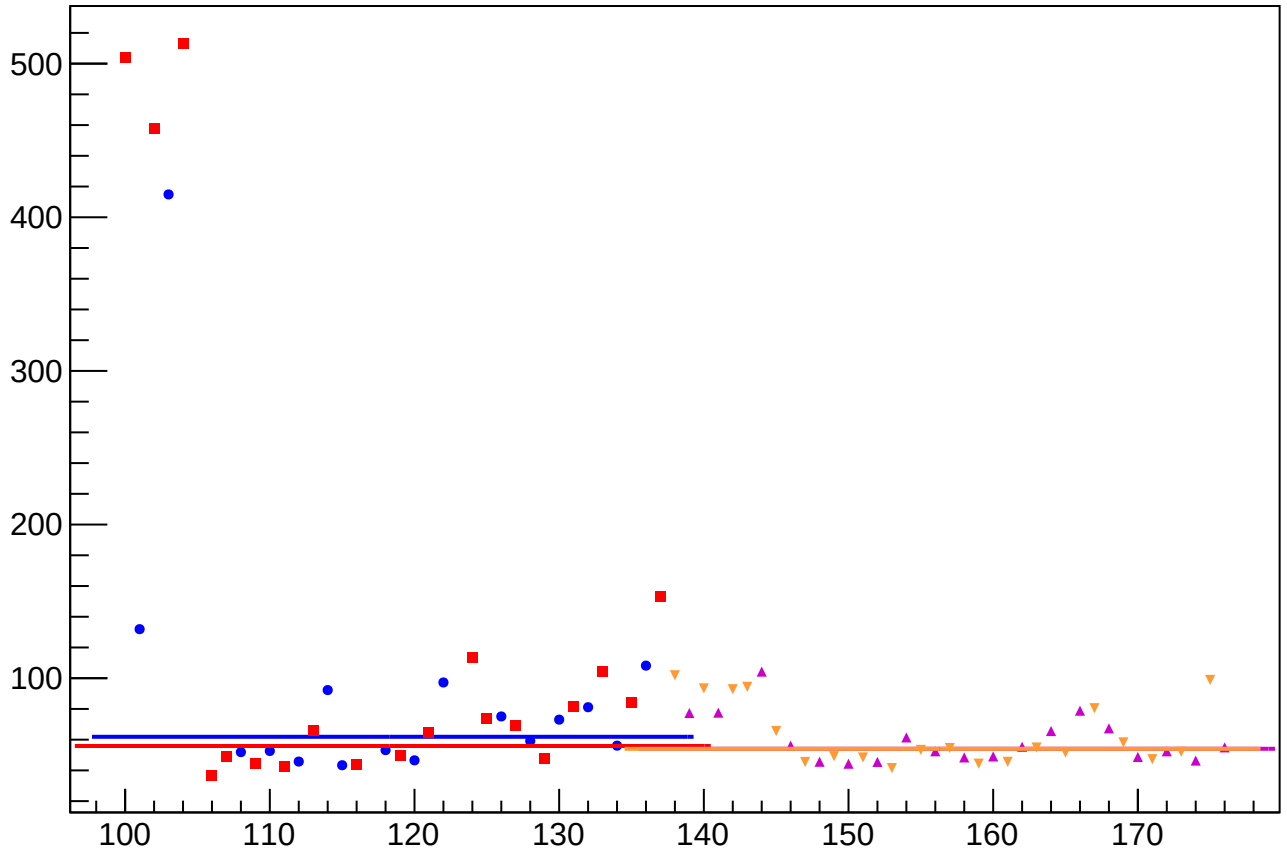
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.013+/-0.015 χ^2/NDF:25.7/18

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/35

All: 0.002+/-0.009 χ^2/NDF: 83.8/73

- sign 0.019+/-0.013 χ^2/NDF: 50.5/37



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.052+/-0.011 χ^2/NDF:1880213.9/19

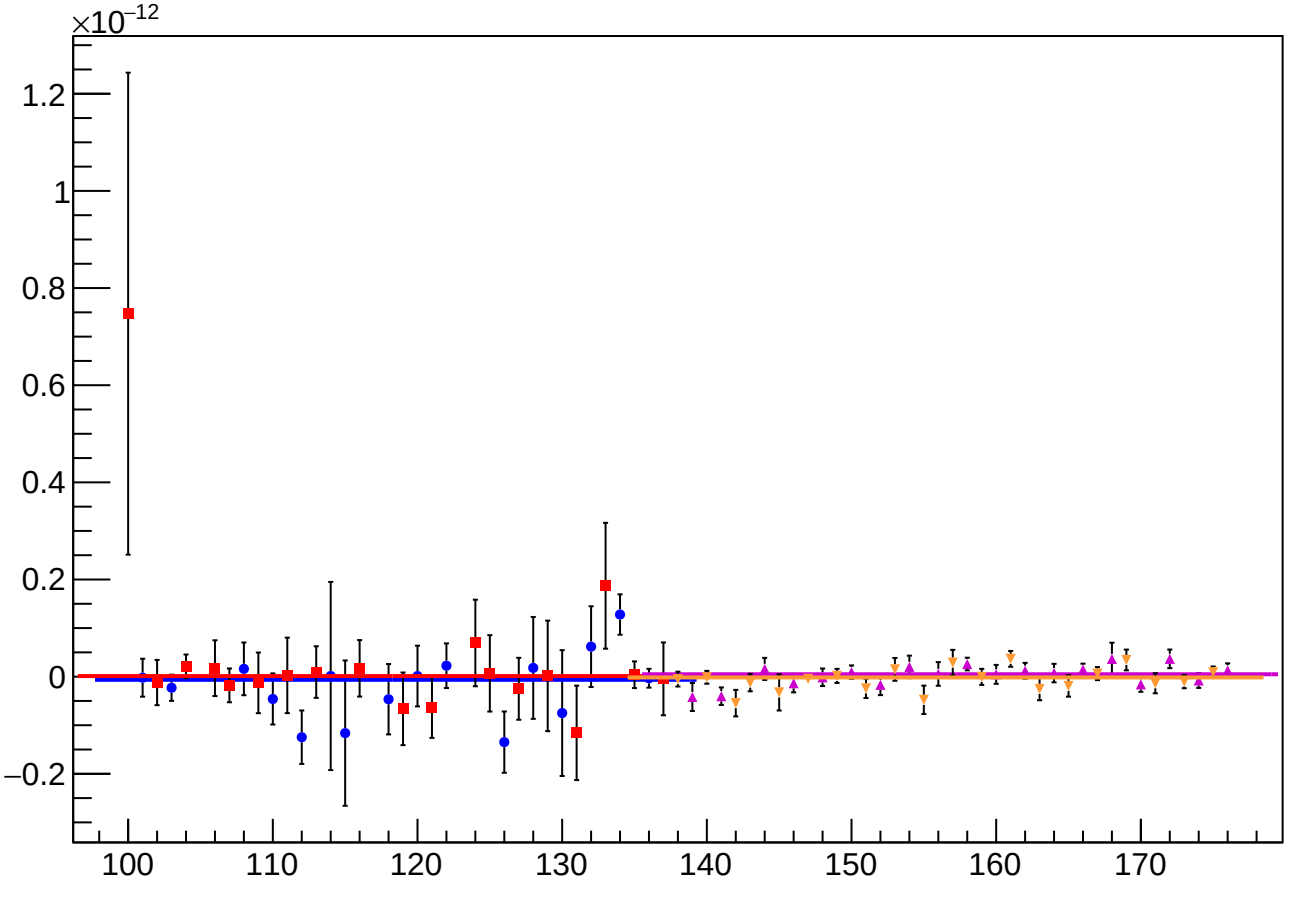
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.077+/-0.011 χ^2/NDF:1182180.2/18

+ sign 55.939+/-0.009 χ^2/NDF: 3949823.6/35

All: 55.236+/-0.006 χ^2/NDF: 7742518.1/73

- sign 54.564+/-0.009 χ^2/NDF: 3781329.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/19

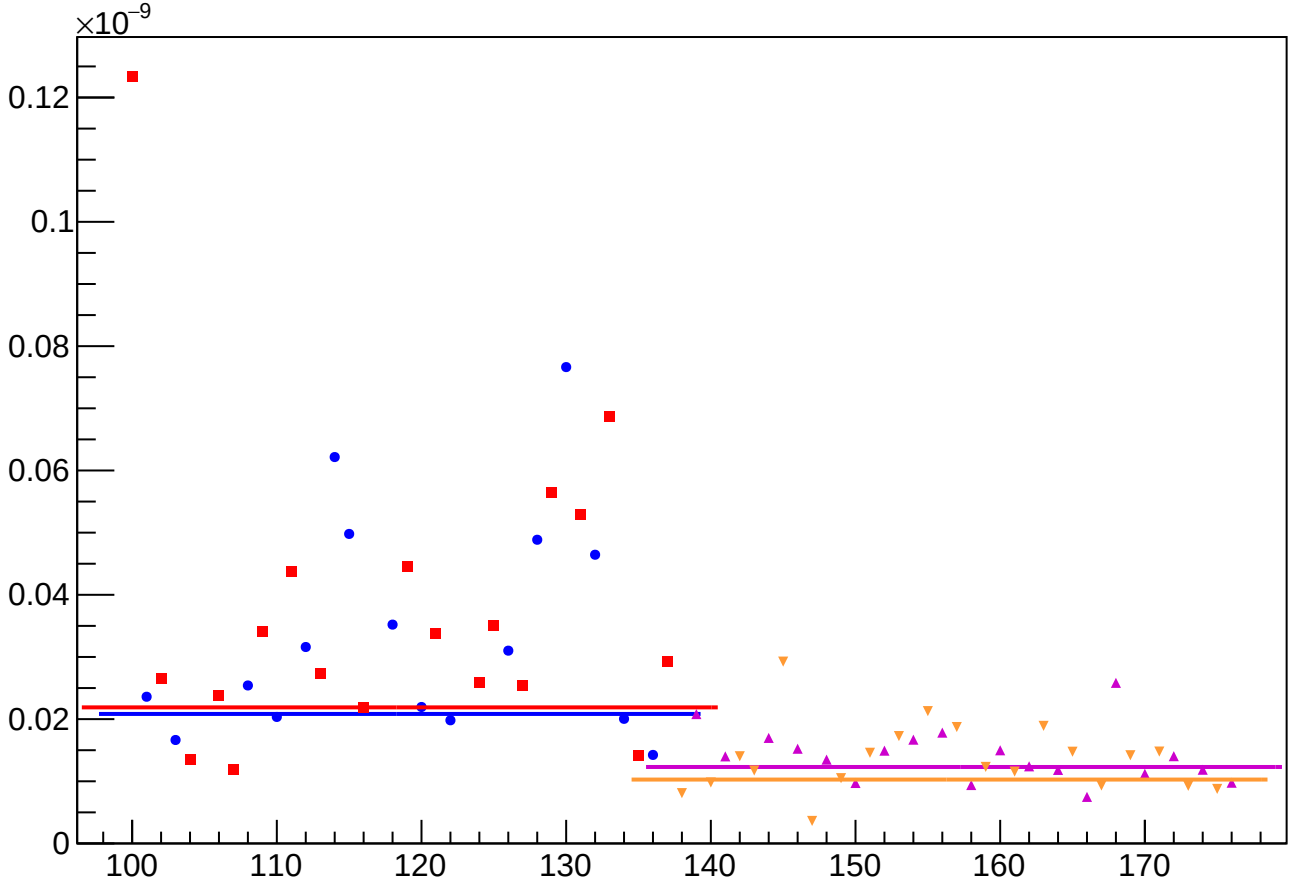
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 45.3/35

All: 0.000+/-0.000 χ^2/NDF: 78.5/73

- sign 0.000+/-0.000 χ^2/NDF: 31.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3263448.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

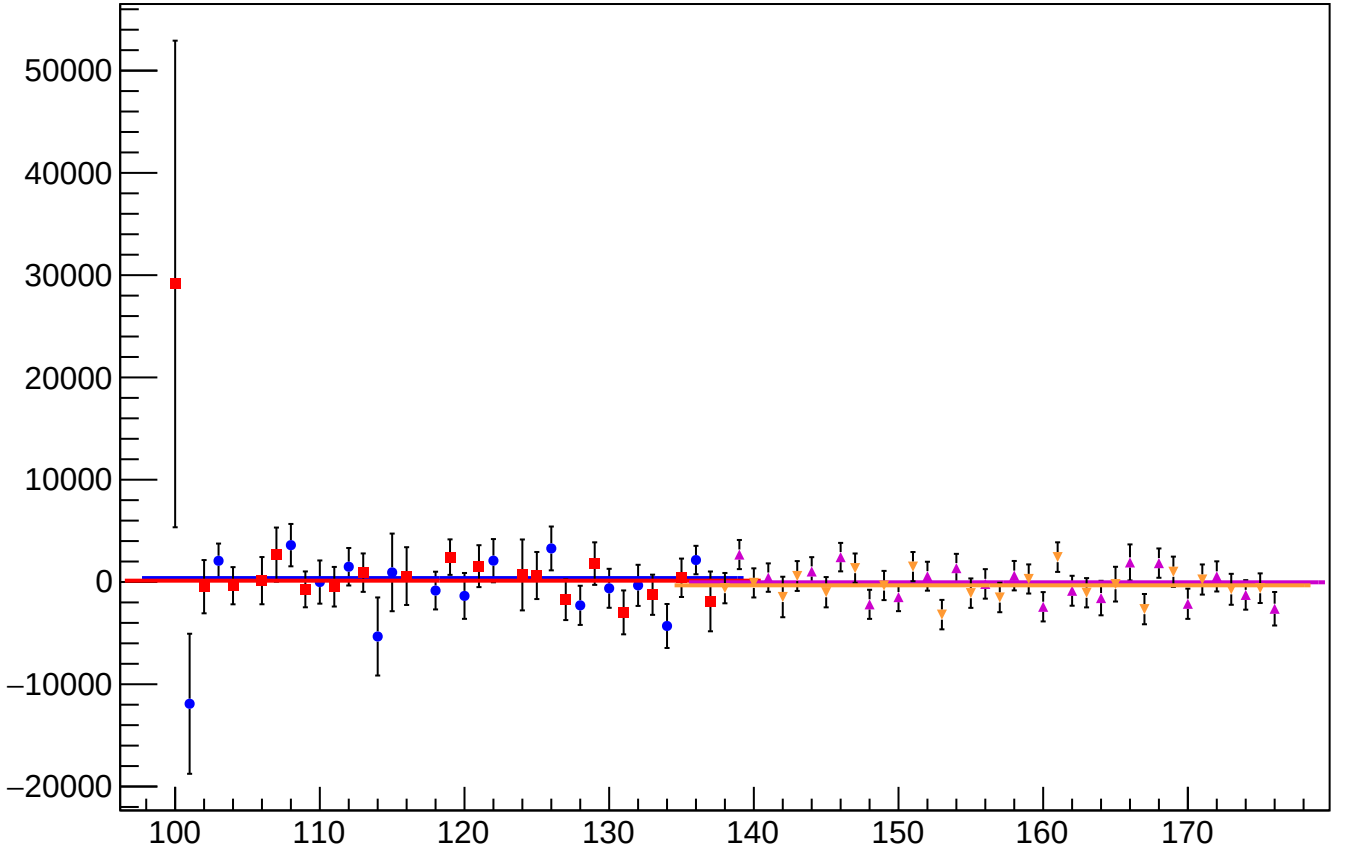
Left In: 0.000+/-0.000 χ^2/NDF:1489409.1/18

\+ sign 0.000+/-0.000 χ^2/NDF: 6232561.3/35

All: 0.000+/-0.000 χ^2/NDF: 11099032.6/73

\- sign 0.000+/-0.000 χ^2/NDF: 4562153.7/37

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -326.189+/-330.860 χ^2/NDF:16.5/19

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

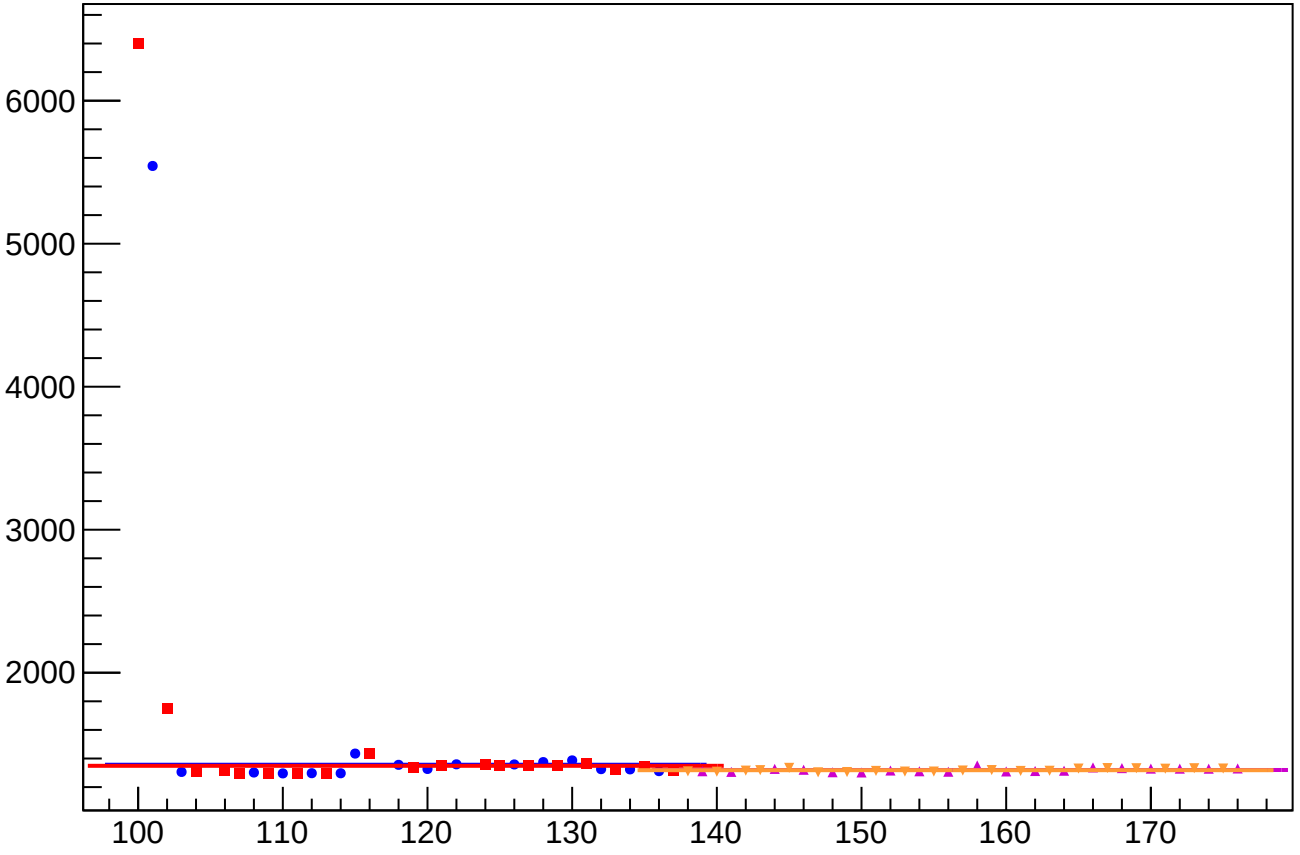
Left In: -31.229+/-334.770 χ^2/NDF:24.5/18

+ sign -121.040+/-278.802 χ^2/NDF: 39.4/35

All: -51.456+/-196.981 χ^2/NDF: 74.0/73

- sign 17.901+/-278.346 χ^2/NDF: 34.5/37

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1318.326+/-0.234 χ^2/NDF:1901.2/19

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

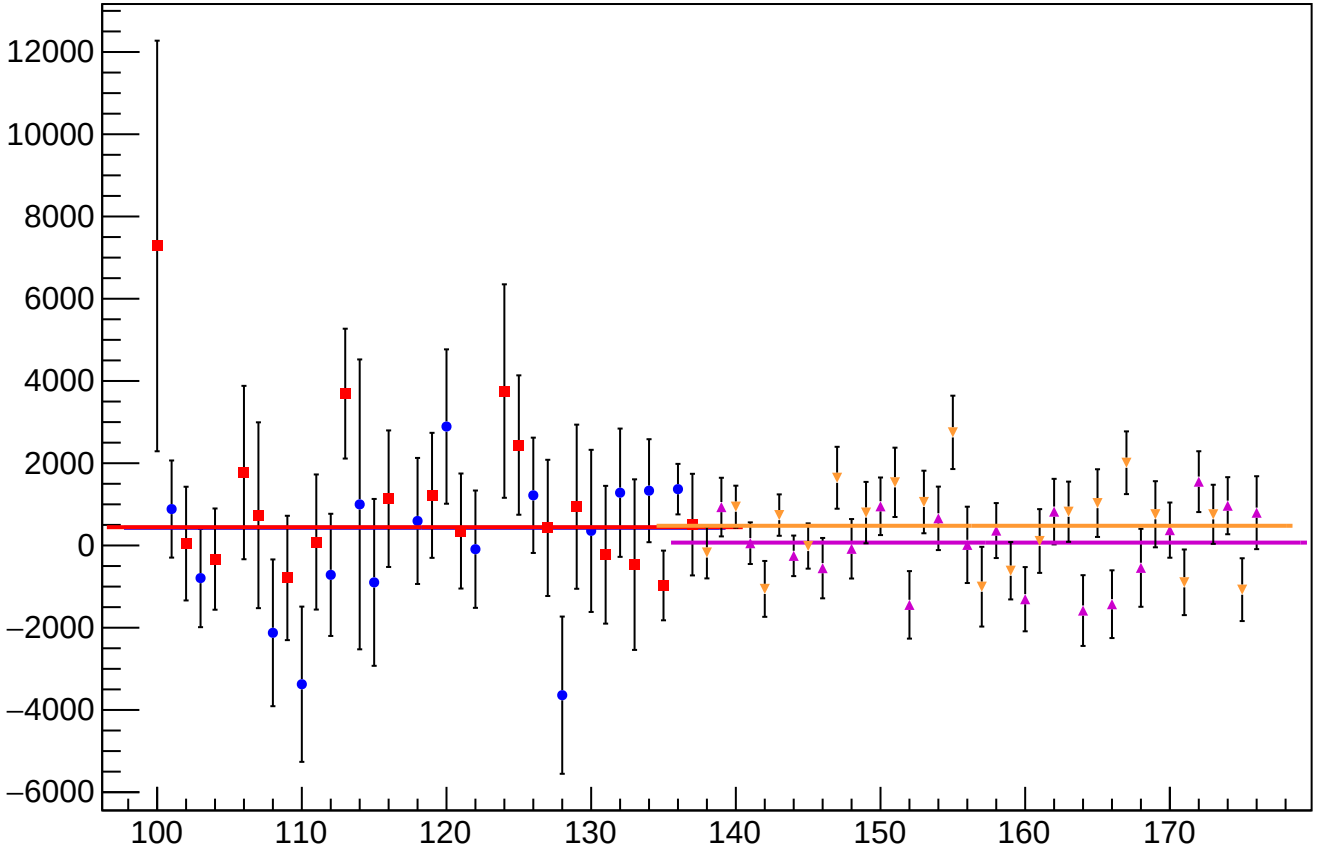
Left In: 1319.730+/-0.237 χ^2/NDF:2939.5/18

+ sign 1329.364+/-0.197 χ^2/NDF: 769844.8/35

All: 1329.060+/-0.139 χ^2/NDF: 924765.9/73

- sign 1328.758+/-0.197 χ^2/NDF: 154916.3/37

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 478.828+/-157.449 χ^2/NDF:36.4/19

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

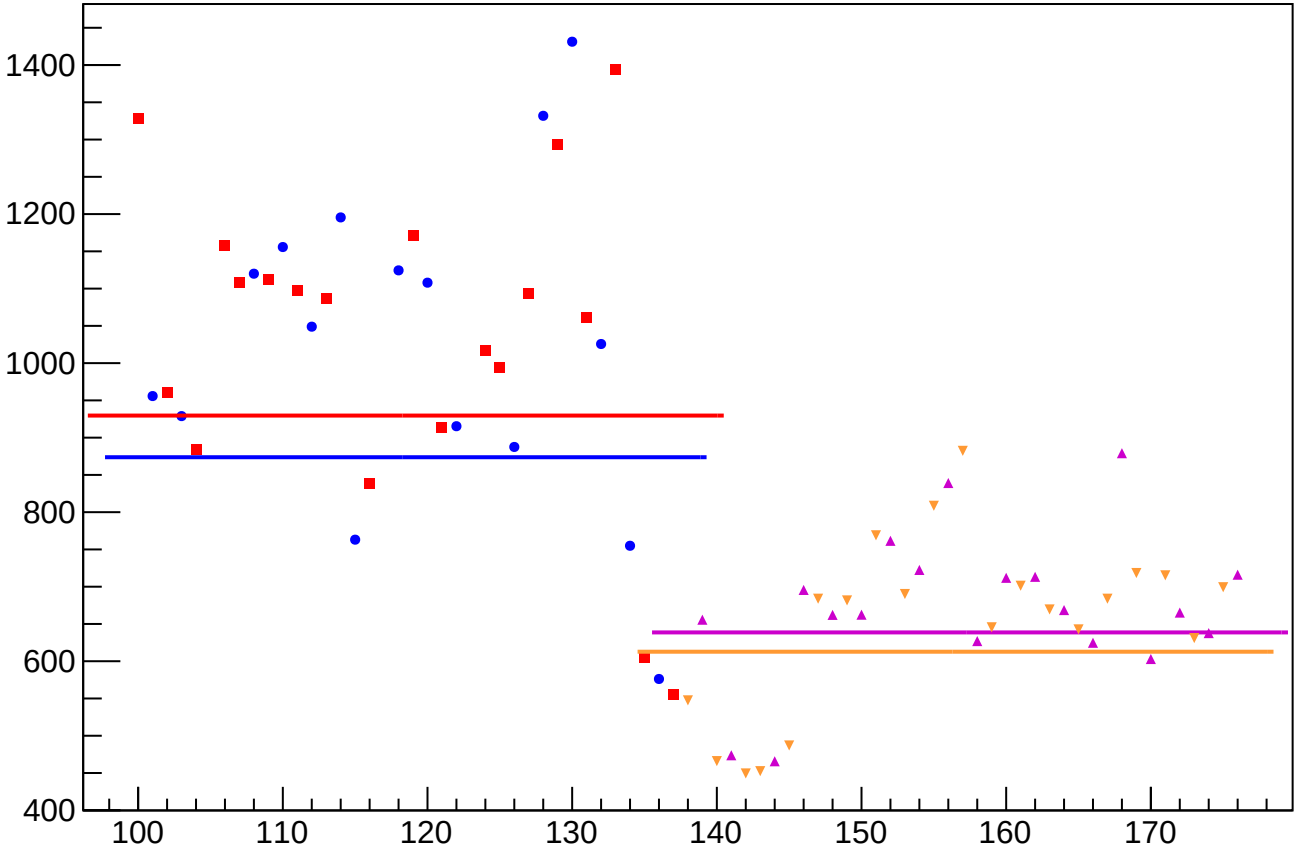
Left In: 69.502+/-164.622 χ^2/NDF:26.4/18

+ sign 470.206+/-142.758 χ^2/NDF: 54.6/35

All: 310.540+/-103.210 χ^2/NDF: 99.0/73

- sign 135.696+/-149.390 χ^2/NDF: 41.7/37

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 612.758+/-0.111 χ^2/NDF:1142269.2/19

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

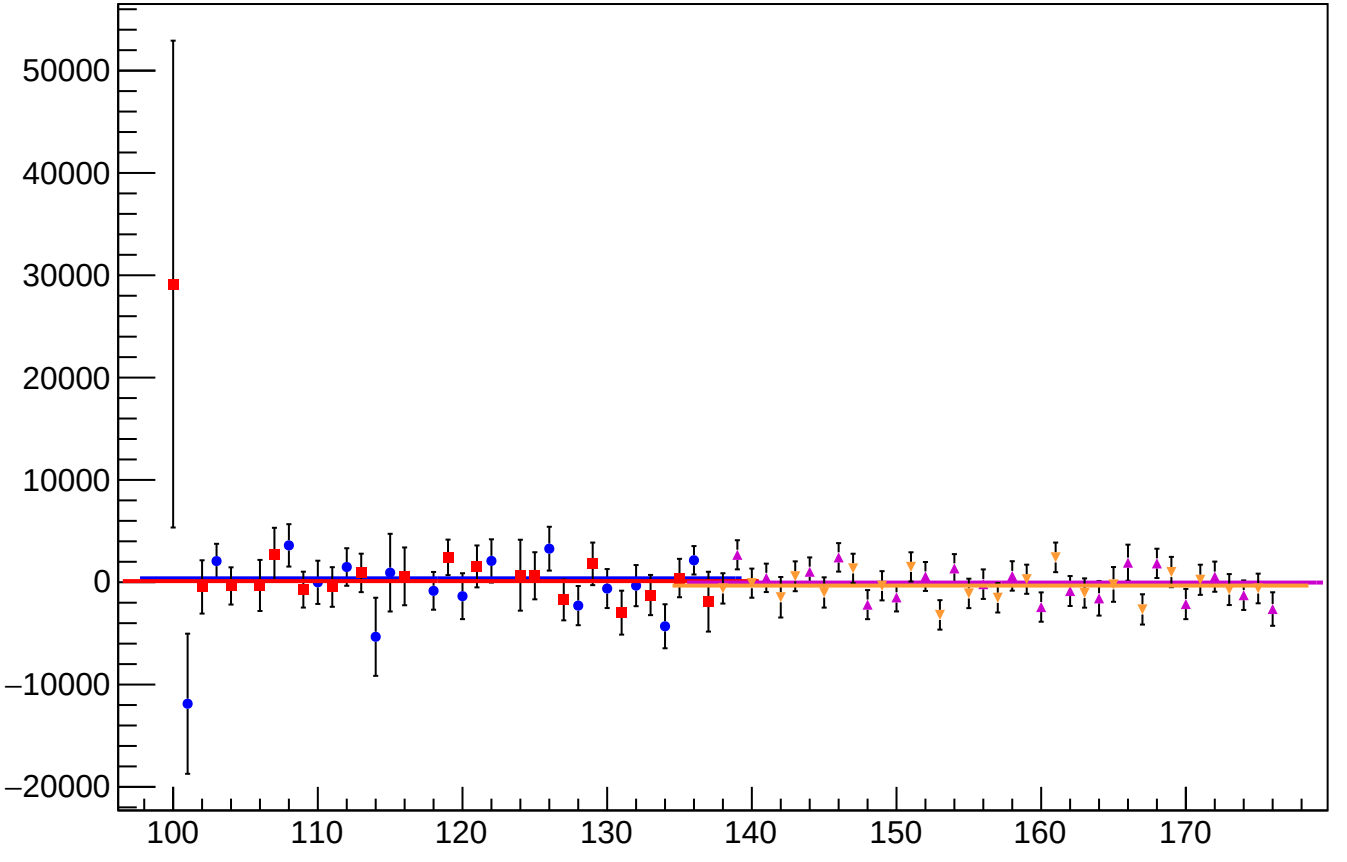
Left In: 638.652+/-0.116 χ^2/NDF:828486.3/18

\+ sign 659.187+/-0.101 χ^2/NDF: 3134672.3/35

All: 673.899+/-0.073 χ^2/NDF: 5970472.3/73

\- sign 690.009+/-0.106 χ^2/NDF: 2791299.9/37

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -326.212+/-330.860 χ^2/NDF:16.5/19

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

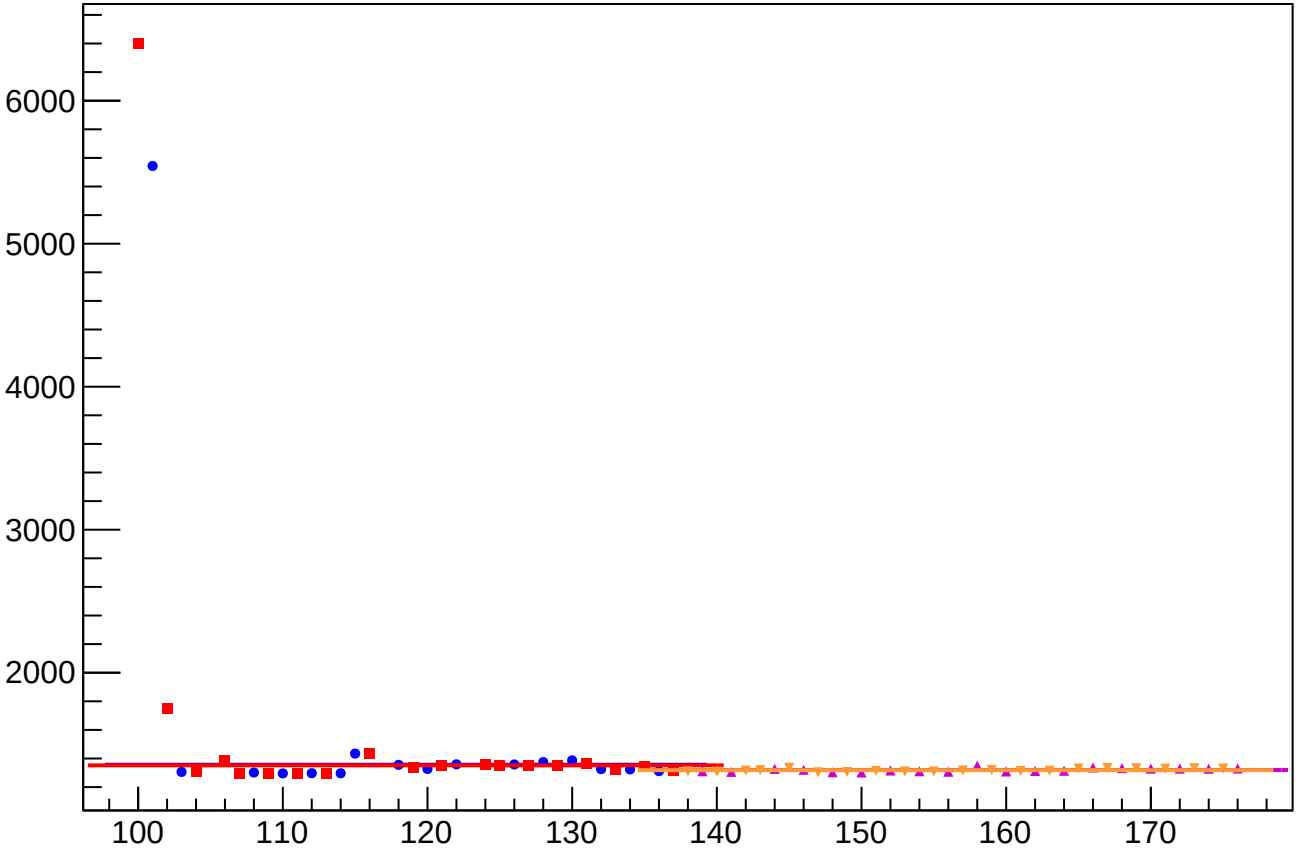
Left In: -31.187+/-334.770 χ^2/NDF:24.5/18

+ sign -120.966+/-278.802 χ^2/NDF: 39.4/35

All: -54.306+/-197.085 χ^2/NDF: 74.0/73

- sign 12.276+/-278.638 χ^2/NDF: 34.5/37

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1318.326+/-0.234 χ^2/NDF:1901.2/19

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

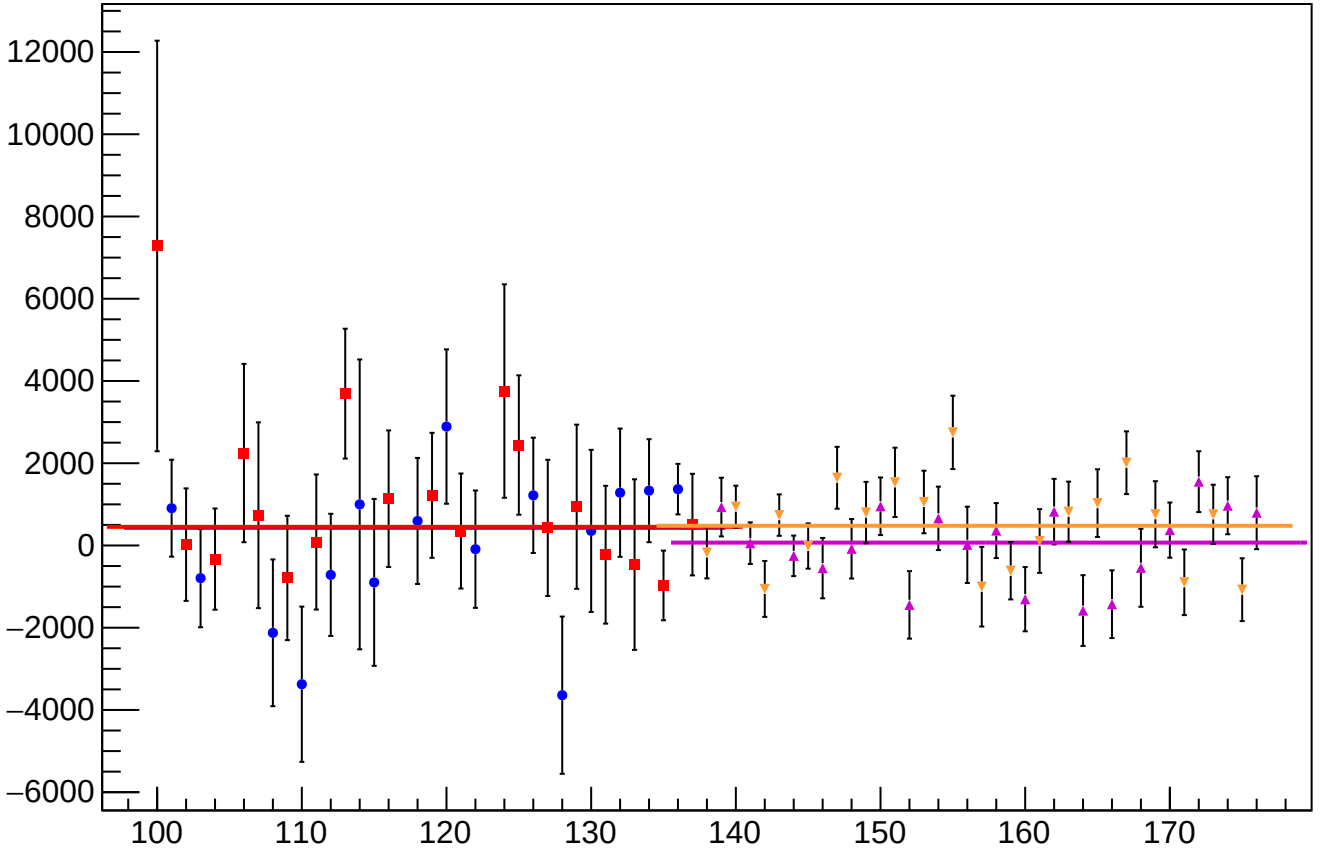
Left In: 1319.730+/-0.237 χ^2/NDF:2939.5/18

+ sign 1329.364+/-0.197 χ^2/NDF: 769843.9/35

All: 1329.517+/-0.139 χ^2/NDF: 925850.1/73

- sign 1329.670+/-0.197 χ^2/NDF: 156005.0/37

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 478.810+/-157.449 χ^2/NDF:36.4/19

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

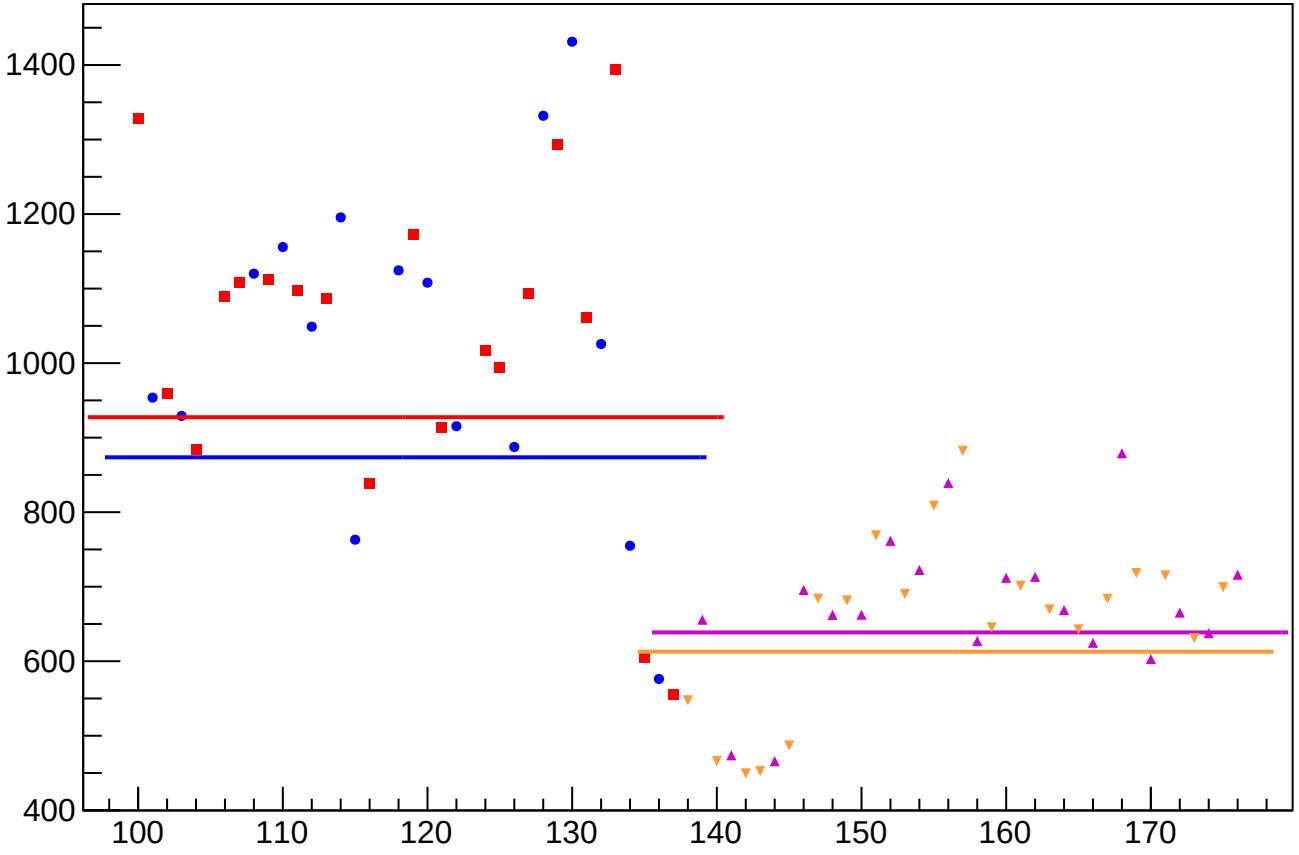
Left In: 69.495+/-164.621 χ^2/NDF:26.4/18

+ sign 470.504+/-142.754 χ^2/NDF: 54.7/35

All: 311.411+/-103.208 χ^2/NDF: 99.3/73

- sign 137.186+/-149.389 χ^2/NDF: 42.0/37

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 612.758+/-0.111 χ^2/NDF:1142188.4/19

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

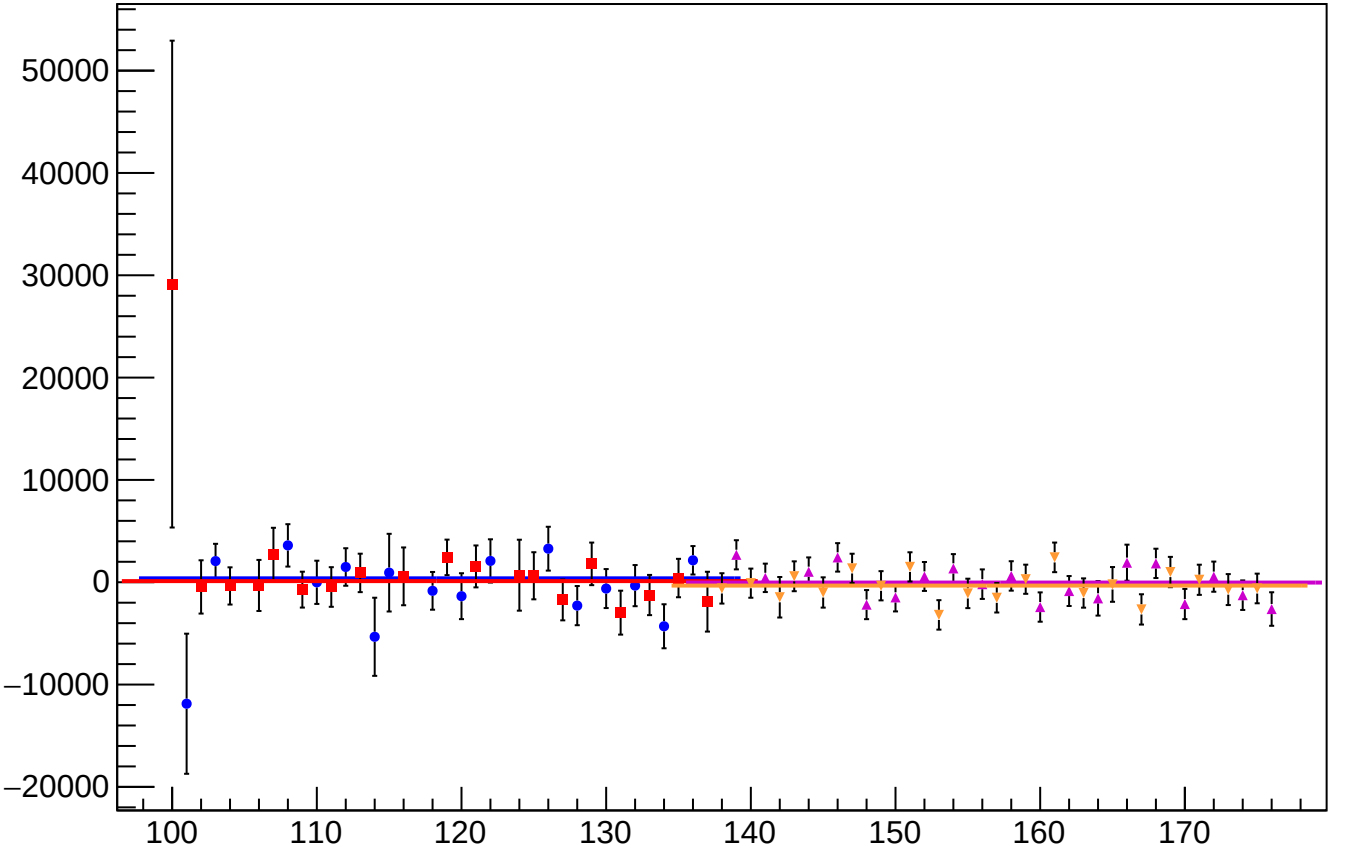
Left In: 638.646+/-0.116 χ^2/NDF:828543.9/18

+ sign 659.177+/-0.101 χ^2/NDF: 3133458.2/35

All: 673.702+/-0.073 χ^2/NDF: 5938831.3/73

- sign 689.609+/-0.106 χ^2/NDF: 2761992.5/37

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -326.212+/-330.860 χ^2/NDF:16.5/19

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

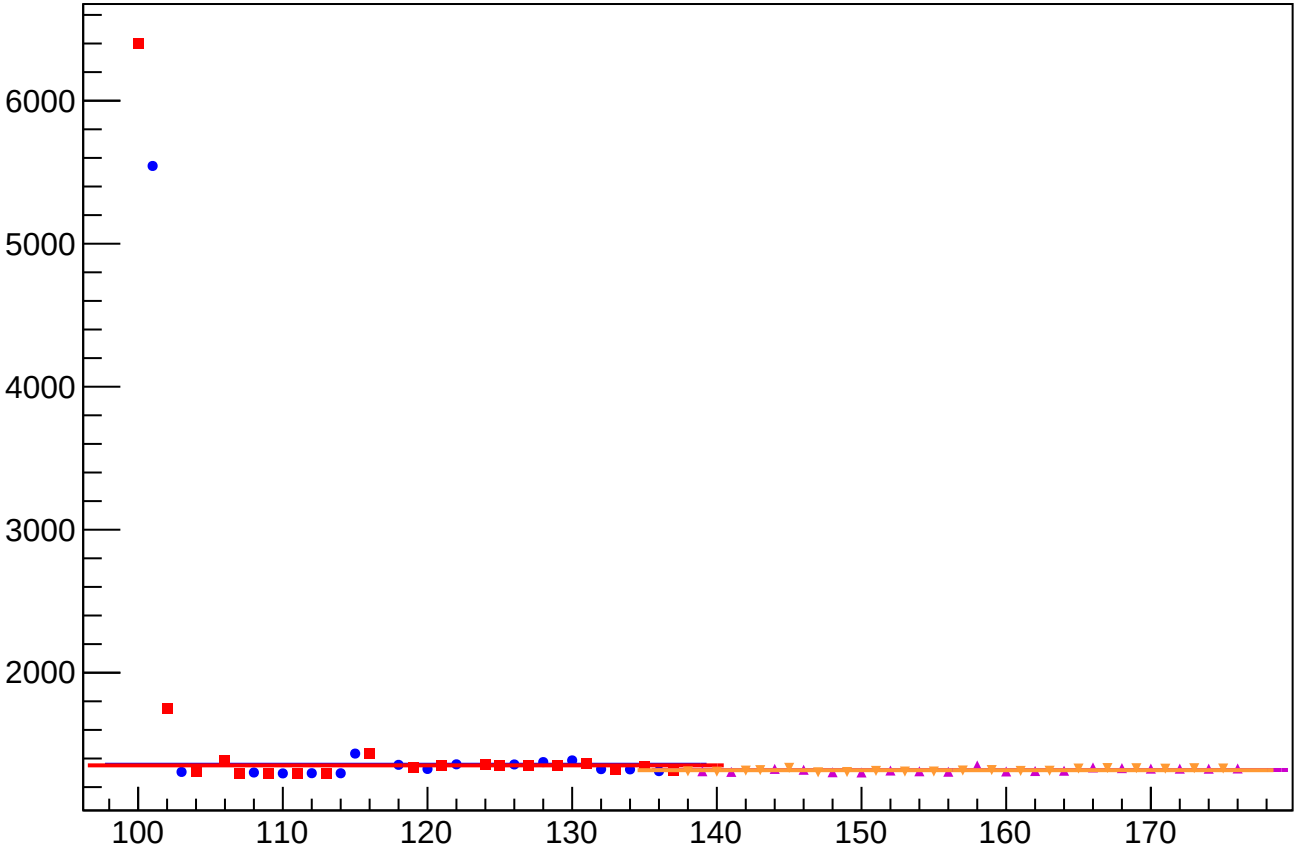
Left In: -31.187+/-334.770 χ^2/NDF:24.5/18

+ sign -120.966+/-278.802 χ^2/NDF: 39.4/35

All: -54.306+/-197.085 χ^2/NDF: 74.0/73

- sign 12.276+/-278.638 χ^2/NDF: 34.5/37

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1318.326+/-0.234 χ^2/NDF:1901.2/19

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

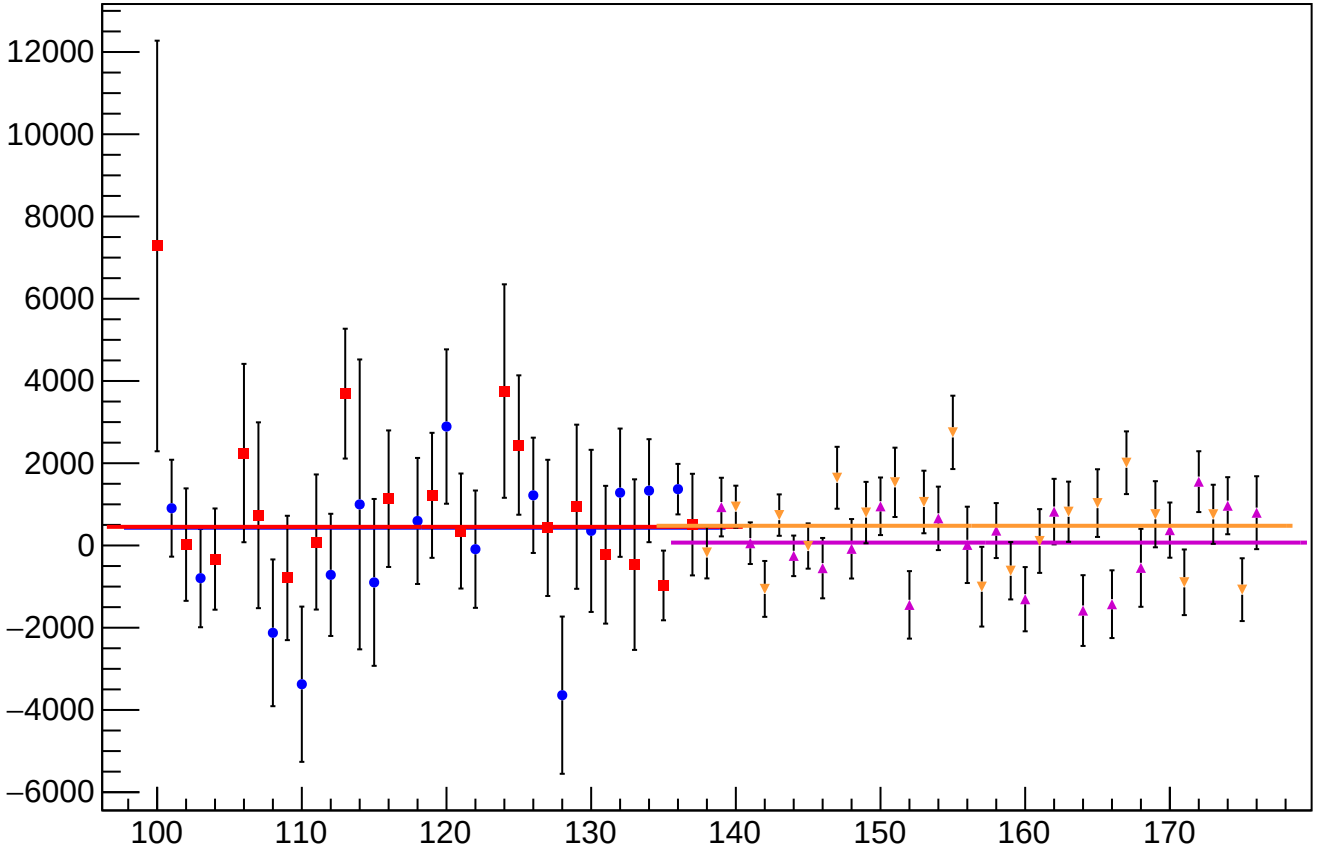
Left In: 1319.730+/-0.237 χ^2/NDF:2939.5/18

+ sign 1329.364+/-0.197 χ^2/NDF: 769843.9/35

All: 1329.517+/-0.139 χ^2/NDF: 925850.1/73

- sign 1329.670+/-0.197 χ^2/NDF: 156005.0/37

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 478.810+/-157.449 χ^2/NDF:36.4/19

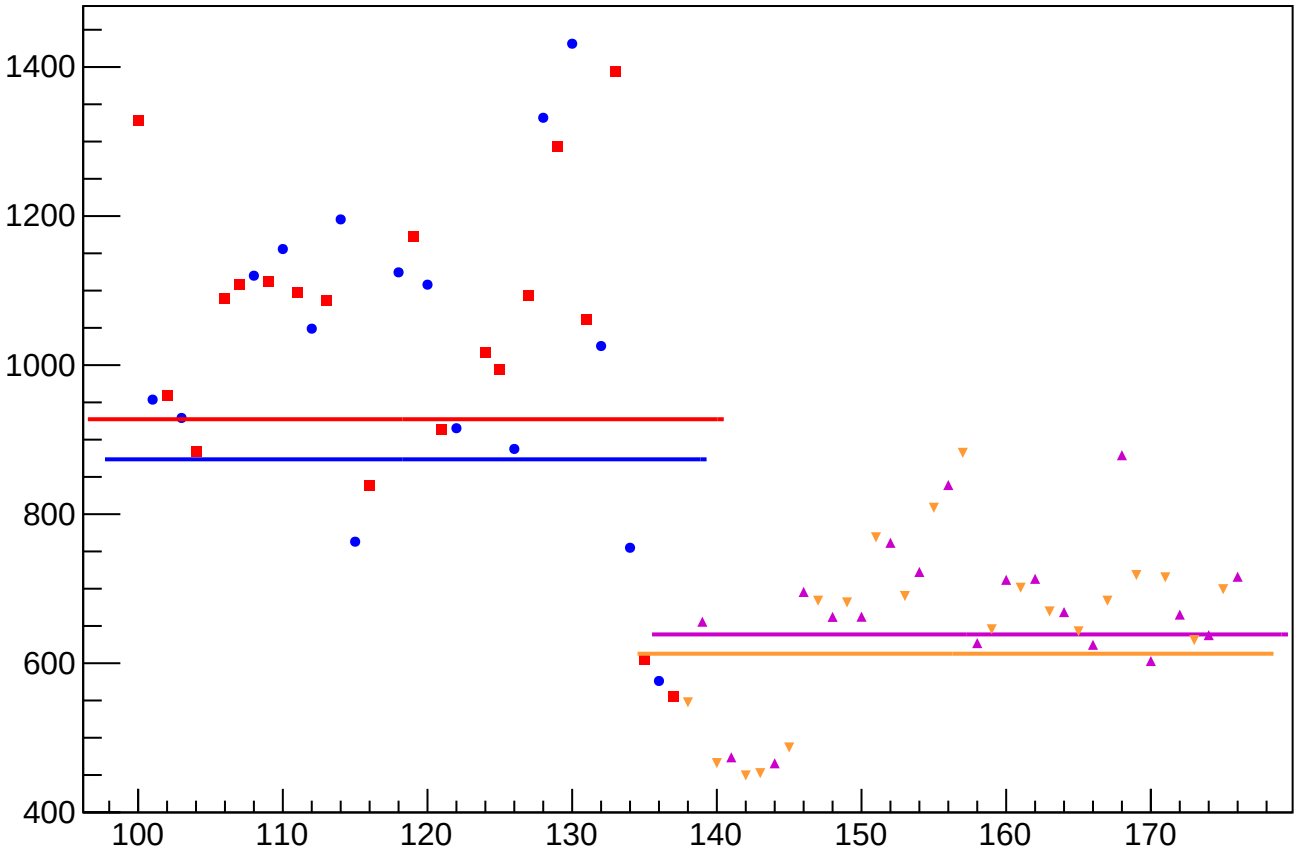
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 69.495+/-164.621 χ^2/NDF:26.4/18

+ sign 470.504+/-142.754 χ^2/NDF: 54.7/35

All: 311.411+/-103.208 χ^2/NDF: 99.3/73

- sign 137.186+/-149.389 χ^2/NDF: 42.0/37



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 612.758+/-0.111 χ^2/NDF:1142188.4/19

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

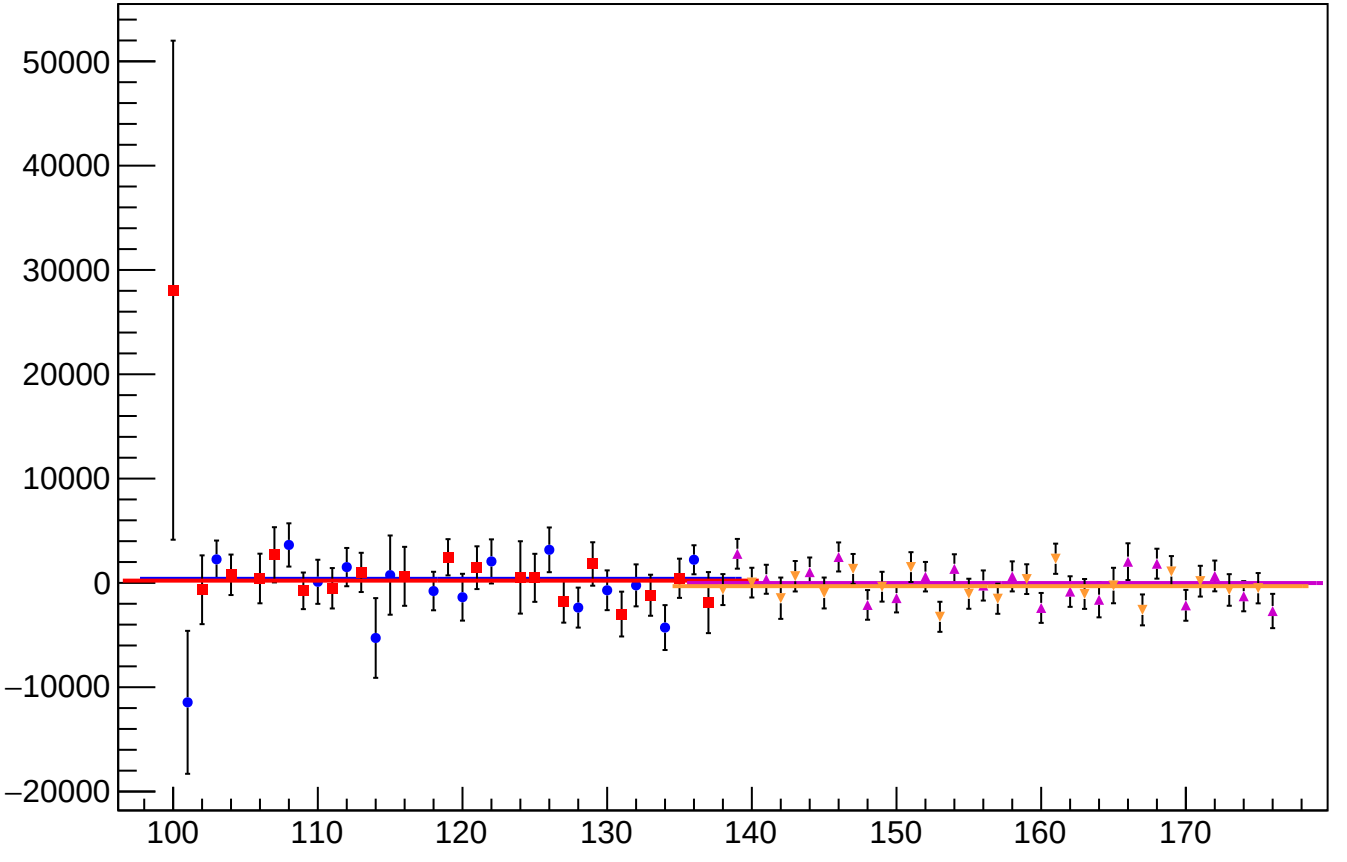
Left In: 638.646+/-0.116 χ^2/NDF:828543.9/18

+ sign 659.177+/-0.101 χ^2/NDF: 3133458.2/35

All: 673.702+/-0.073 χ^2/NDF: 5938831.3/73

- sign 689.609+/-0.106 χ^2/NDF: 2761992.5/37

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -311.734+/-331.154 χ^2/NDF:16.4/19

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

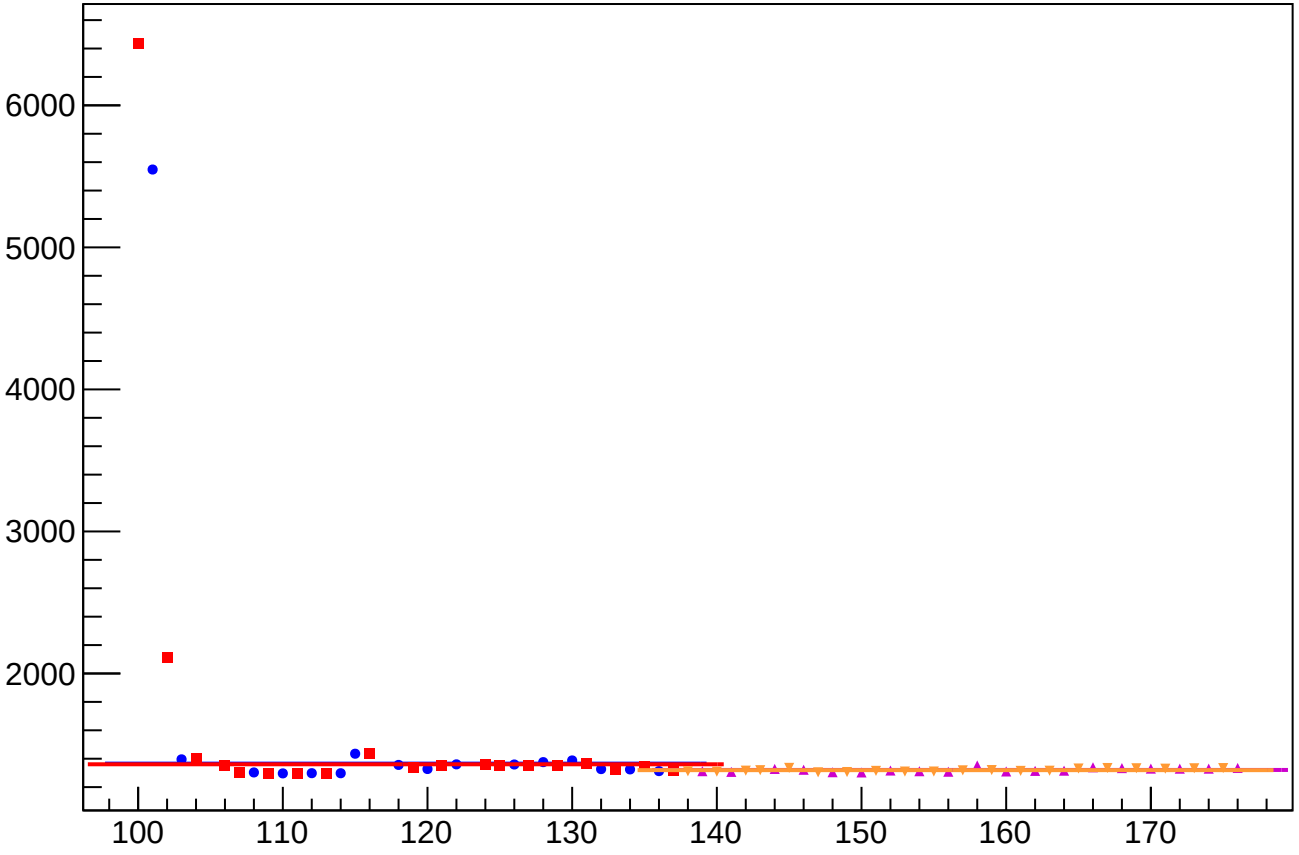
Left In: -14.414+/-335.059 χ^2/NDF:25.1/18

\+ sign -109.912+/-279.501 χ^2/NDF: 39.0/35

All: -26.955+/-197.703 χ^2/NDF: 74.4/73

\- sign 56.112+/-279.687 χ^2/NDF: 35.2/37

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1319.493+/-0.234 χ^2/NDF:1970.6/19

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

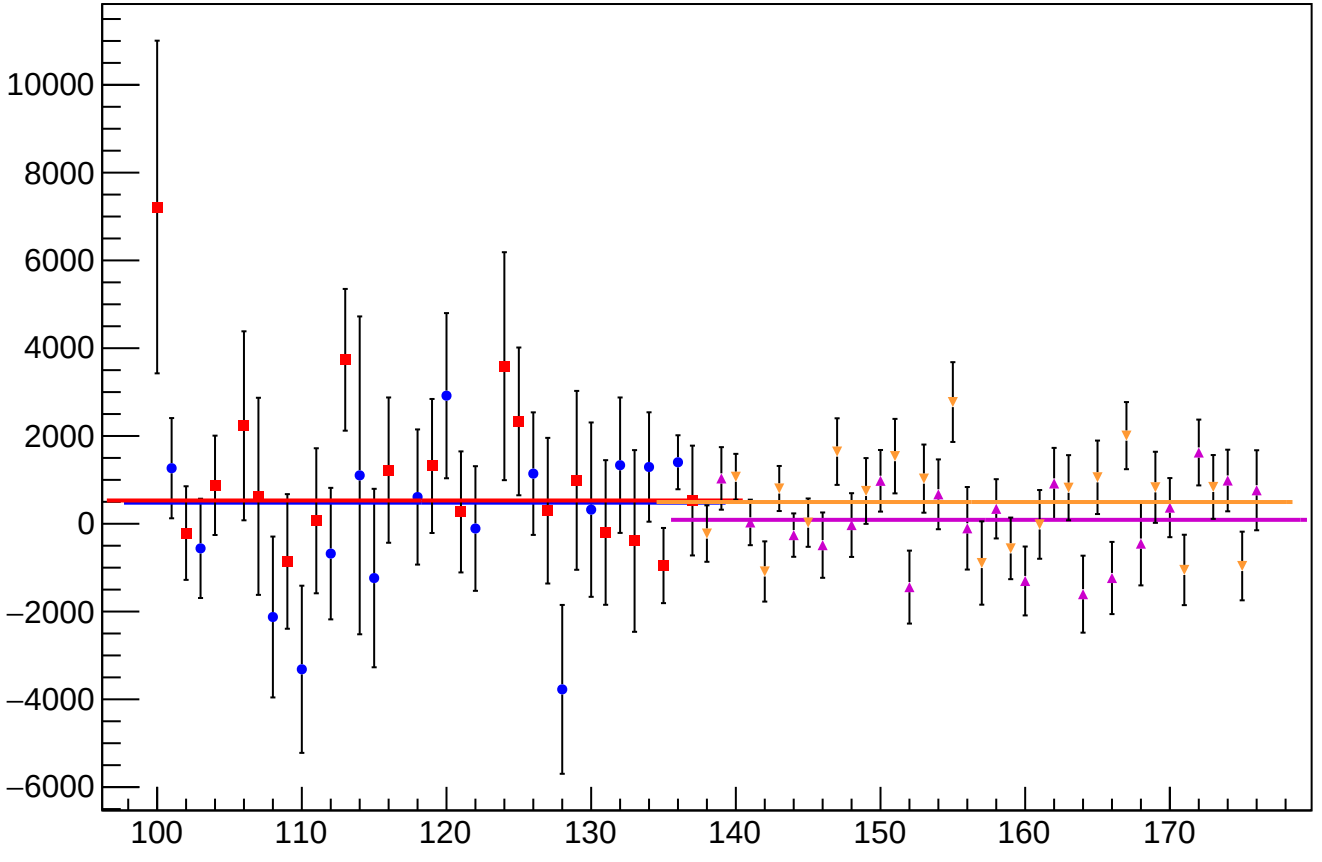
Left In: 1320.865+/-0.237 χ^2/NDF:3027.5/18

+ sign 1332.669+/-0.198 χ^2/NDF: 771922.9/35

All: 1332.817+/-0.140 χ^2/NDF: 988868.6/73

- sign 1332.965+/-0.198 χ^2/NDF: 216944.6/37

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 495.556+/-159.300 χ^2/NDF:36.5/19

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

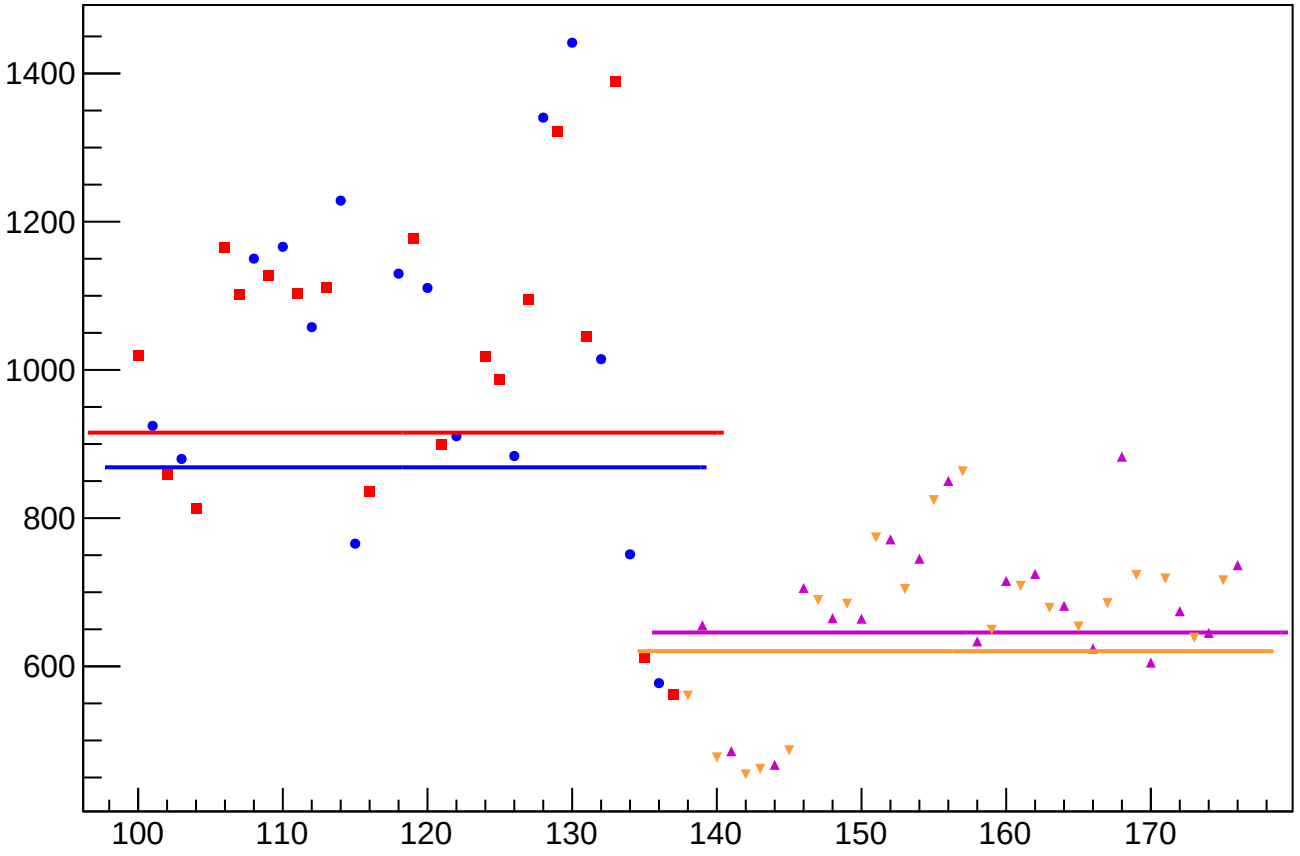
Left In: 89.551+/-166.410 χ^2/NDF:26.0/18

+ sign 492.782+/-143.983 χ^2/NDF: 55.1/35

All: 339.097+/-103.865 χ^2/NDF: 100.4/73

- sign 172.353+/-149.975 χ^2/NDF: 42.9/37

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 620.463+/-0.113 χ^2/NDF:1098246.6/19

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

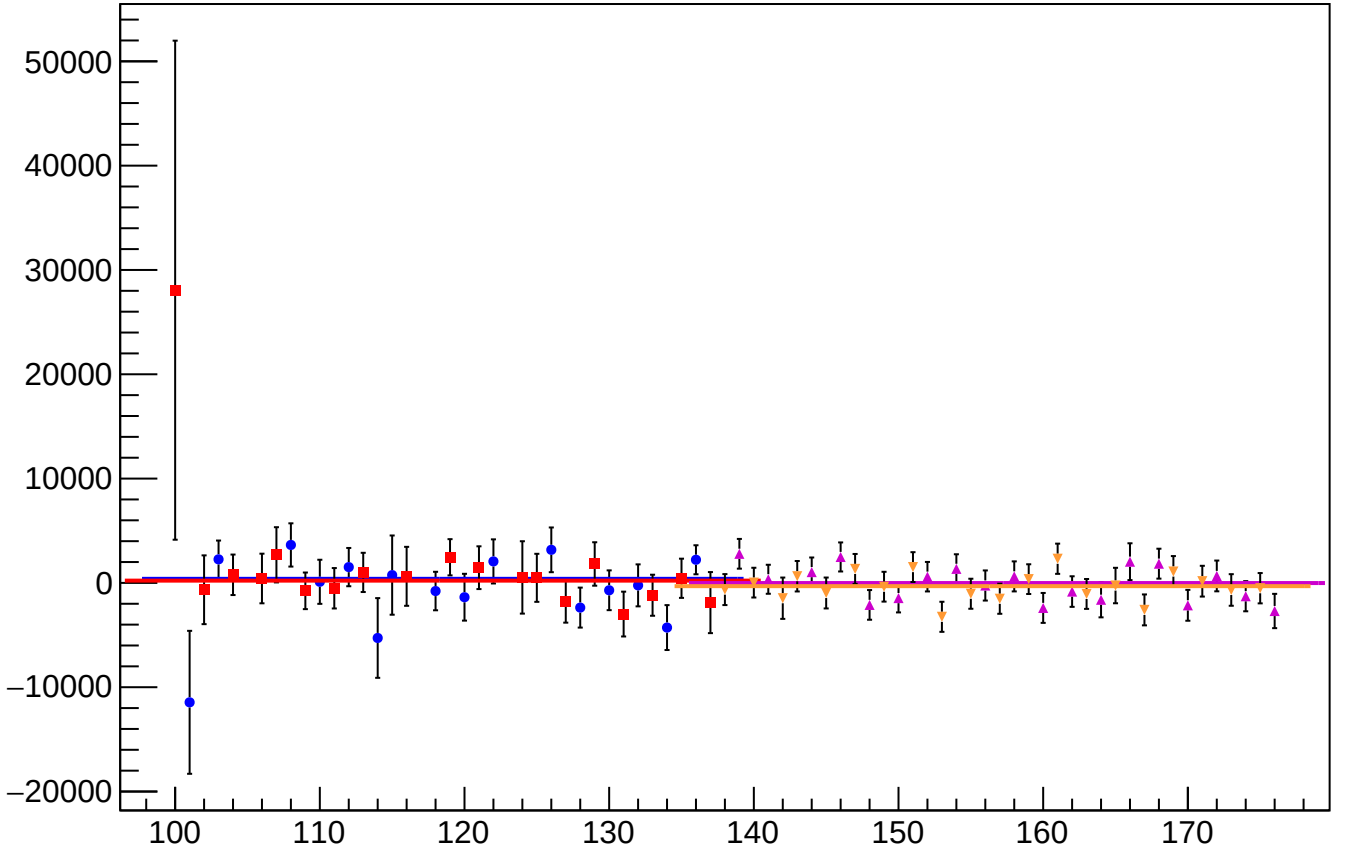
Left In: 645.705+/-0.118 χ^2/NDF:834131.7/18

\+ sign 665.882+/-0.102 χ^2/NDF: 3007728.0/35

All: 680.489+/-0.073 χ^2/NDF: 5729762.8/73

\- sign 696.338+/-0.106 χ^2/NDF: 2679115.0/37

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -311.736+/-331.154 χ^2/NDF:16.4/19

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

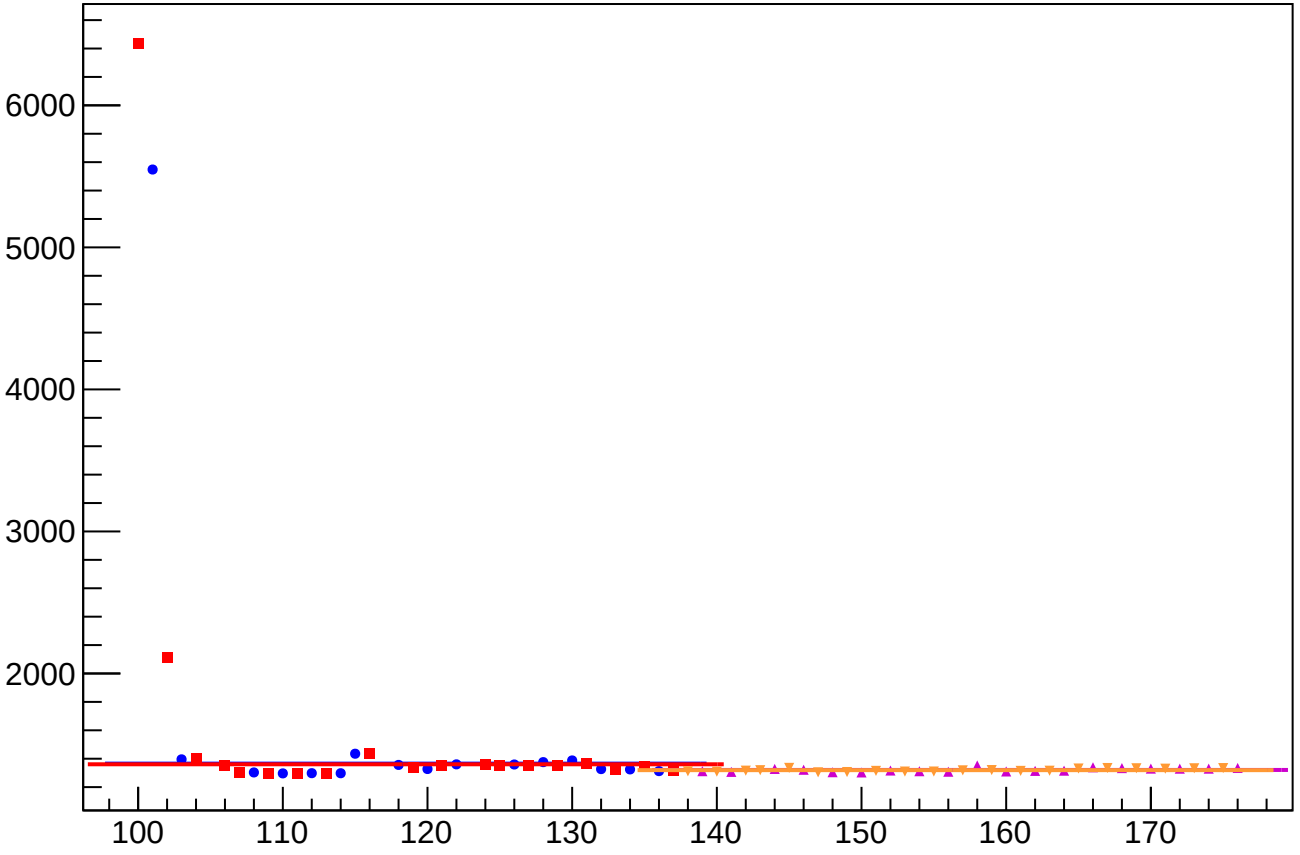
Left In: -14.414+/-335.059 χ^2/NDF:25.1/18

+ sign -109.913+/-279.501 χ^2/NDF: 39.0/35

All: -26.956+/-197.703 χ^2/NDF: 74.4/73

- sign 56.111+/-279.687 χ^2/NDF: 35.2/37

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1319.493+/-0.234 χ^2/NDF:1970.6/19

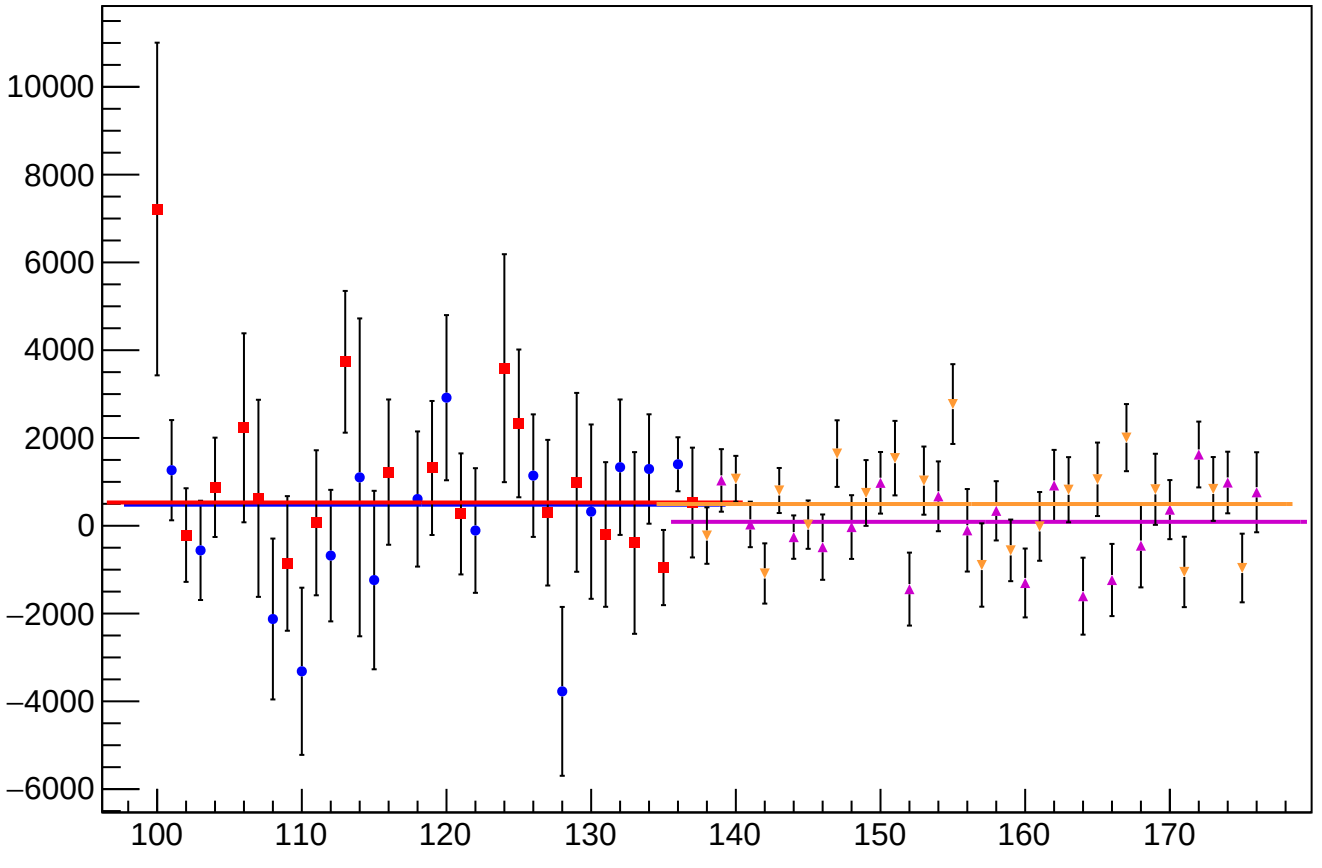
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1320.865+/-0.237 χ^2/NDF:3027.5/18

+ sign 1332.669+/-0.198 χ^2/NDF: 771922.9/35

All: 1332.817+/-0.140 χ^2/NDF: 988868.5/73

- sign 1332.965+/-0.198 χ^2/NDF: 216944.5/37



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 495.556+/-159.300 χ^2/NDF:36.5/19

Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

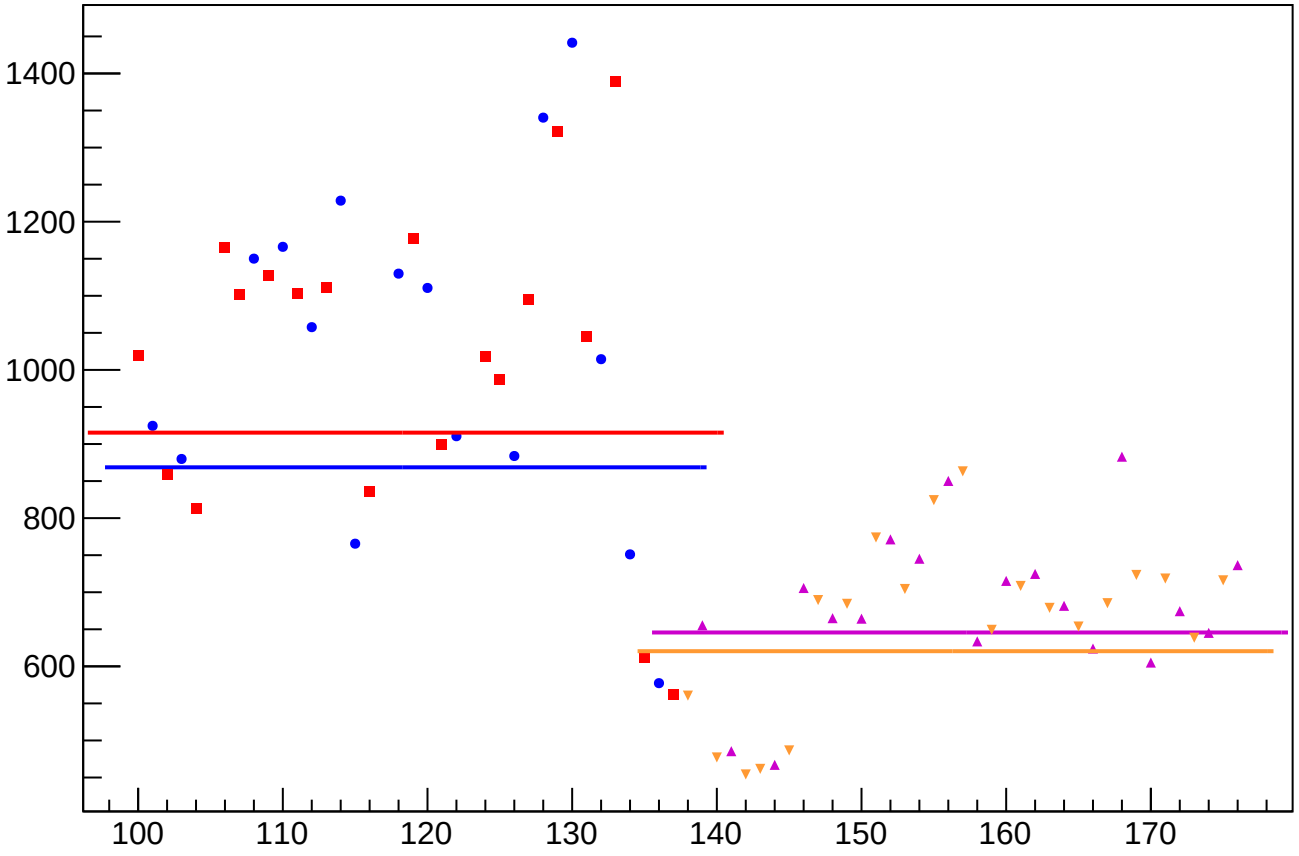
Left In: 89.550+/-166.410 χ^2/NDF:26.0/18

+ sign 492.782+/-143.983 χ^2/NDF: 55.1/35

All: 339.097+/-103.865 χ^2/NDF: 100.4/73

- sign 172.353+/-149.975 χ^2/NDF: 42.9/37

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 620.463+/-0.113 χ^2/NDF:1098263.7/19

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

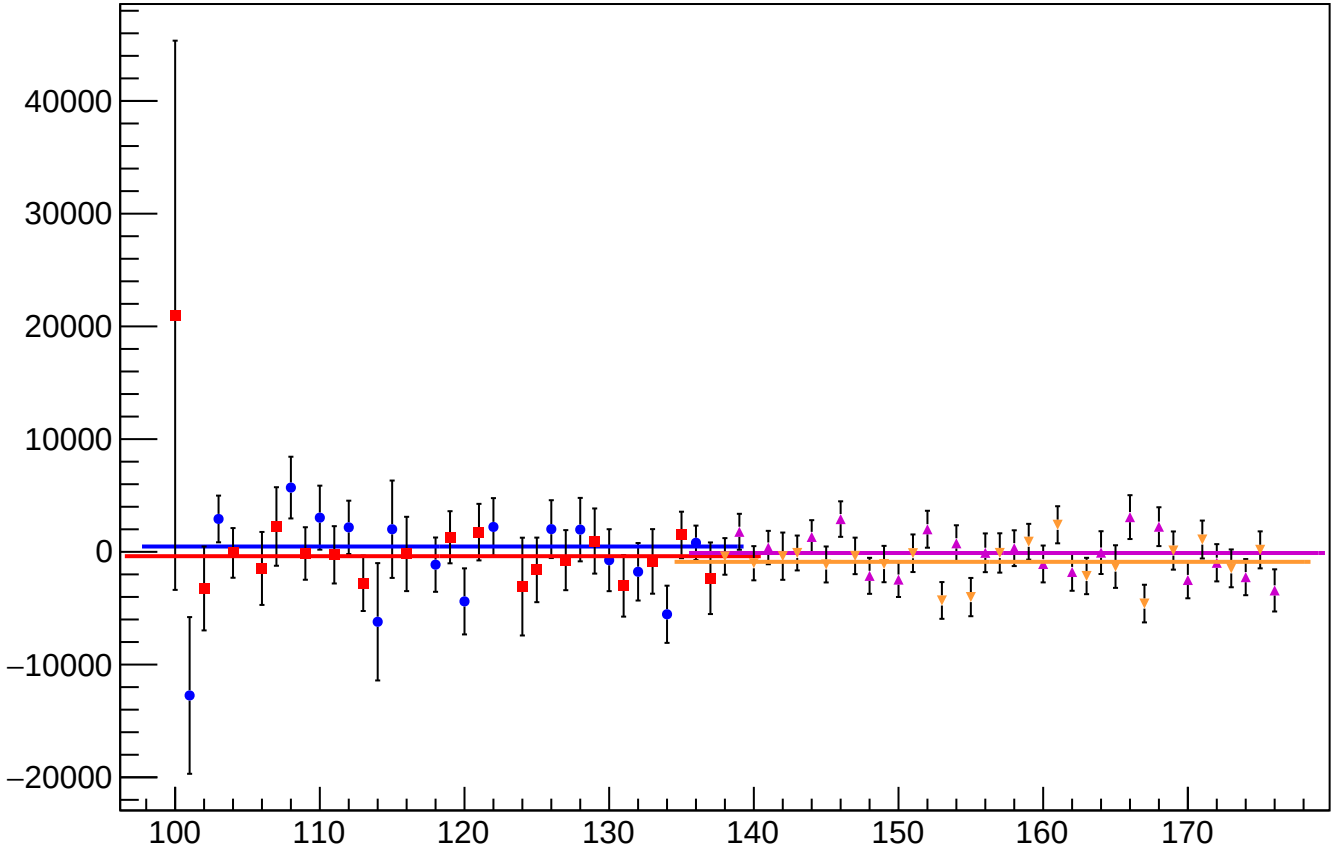
Left In: 645.706+/-0.118 χ^2/NDF:834139.4/18

\+ sign 665.882+/-0.102 χ^2/NDF: 3007727.5/35

All: 680.490+/-0.073 χ^2/NDF: 5729752.7/73

\- sign 696.339+/-0.106 χ^2/NDF: 2679103.3/37

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -886.246+/-371.476 χ^2/NDF:21.9/19

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

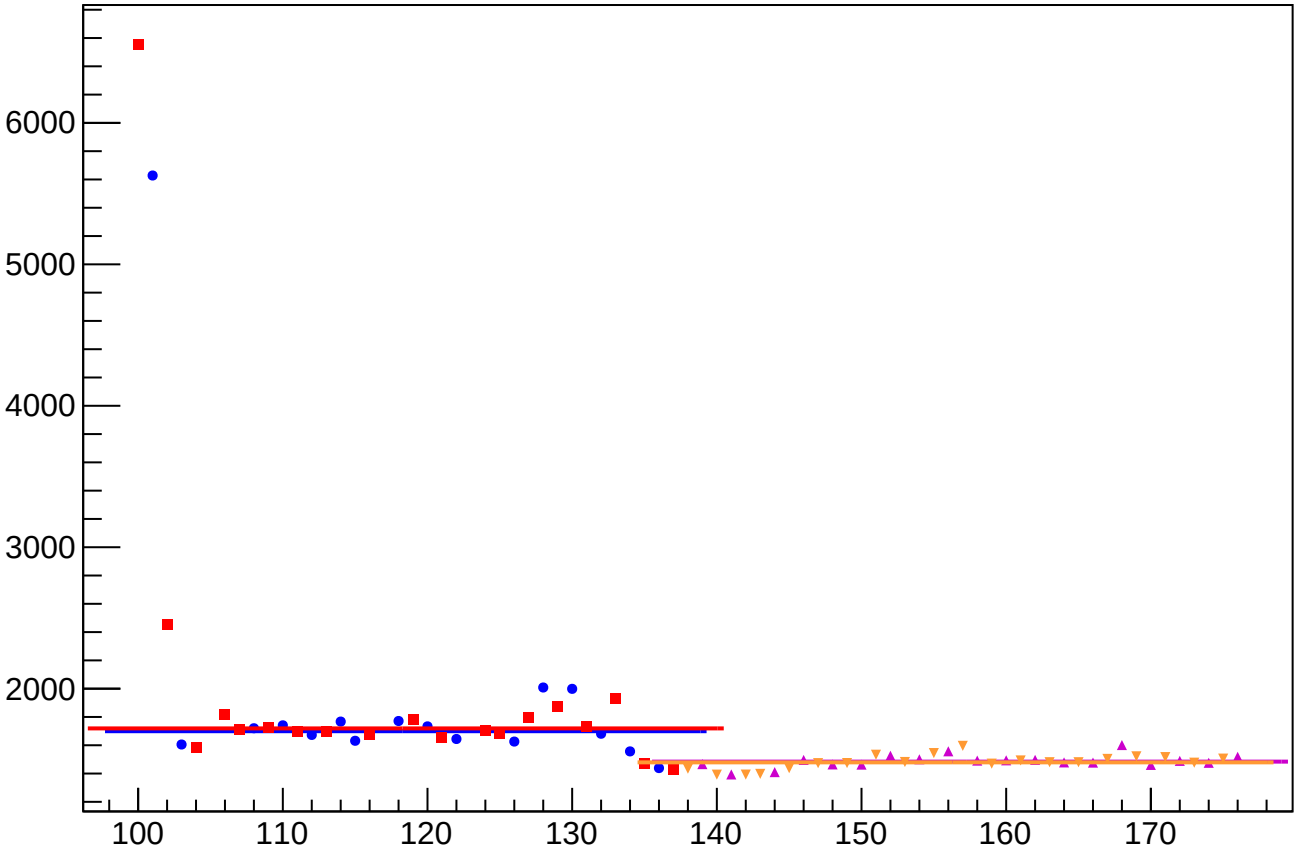
Left In: -101.974+/-376.713 χ^2/NDF:25.3/18

+ sign -550.888+/-322.429 χ^2/NDF: 47.9/35

All: -364.090+/-228.863 χ^2/NDF: 81.2/73

- sign -174.410+/-324.907 χ^2/NDF: 32.7/37

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1479.123+/-0.263 χ^2/NDF:35808.4/19

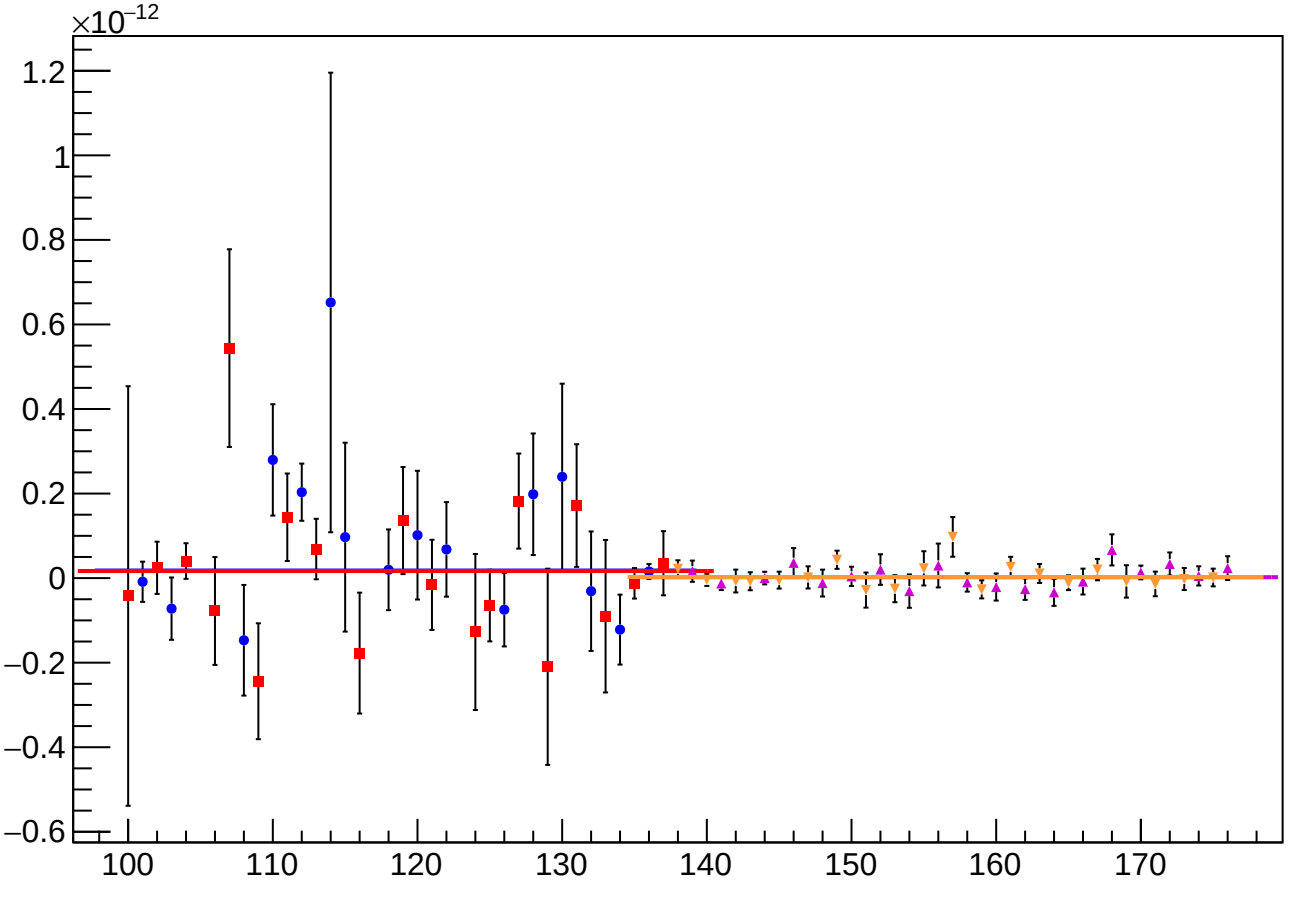
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1484.278+/-0.266 χ^2/NDF:29271.6/18

+ sign 1533.433+/-0.228 χ^2/NDF: 971239.9/35

All: 1538.886+/-0.162 χ^2/NDF: 1434463.3/73

- sign 1544.423+/-0.230 χ^2/NDF: 462070.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

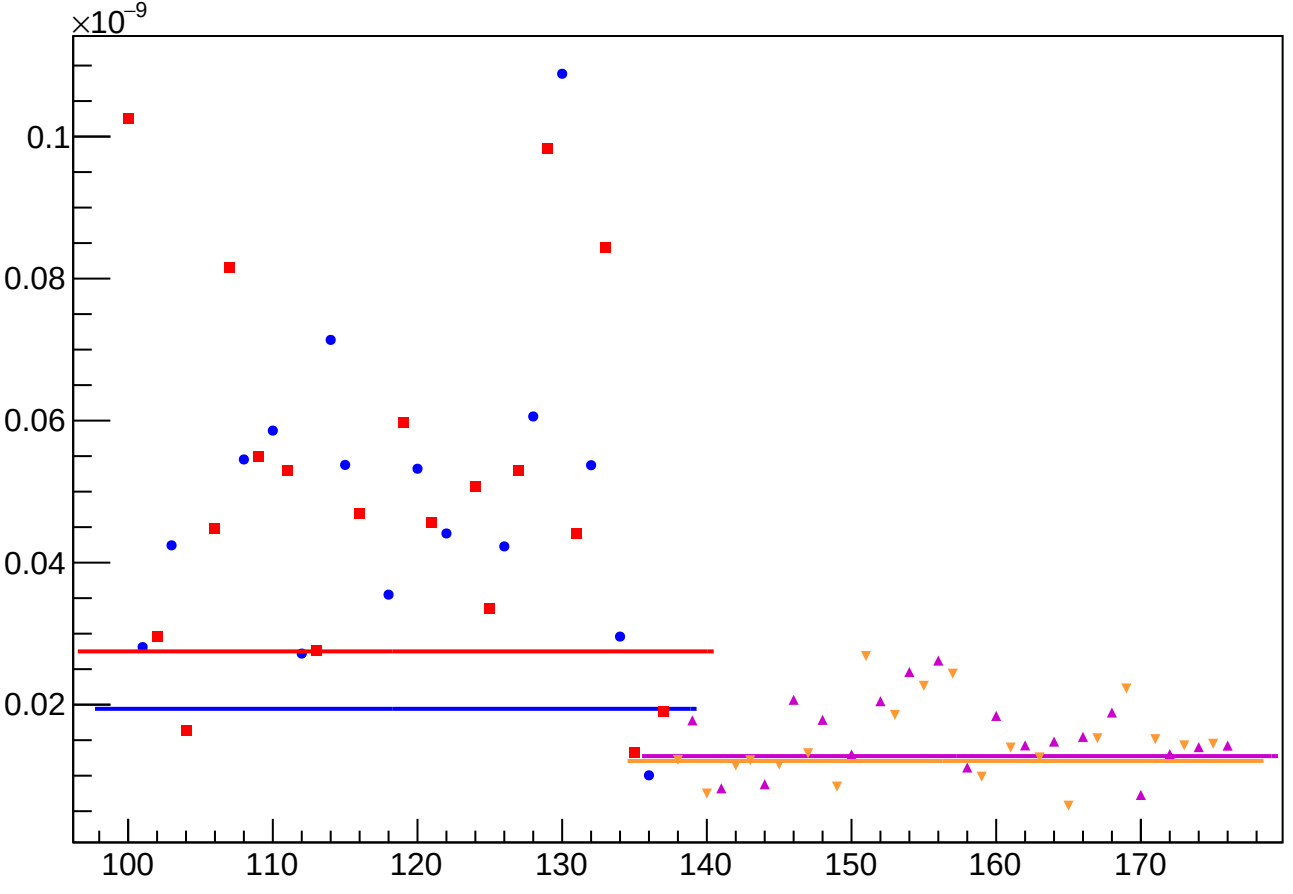
Left In: 0.000+/-0.000 χ^2/NDF:12.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/35

All: 0.000+/-0.000 χ^2/NDF: 74.4/73

- sign 0.000+/-0.000 χ^2/NDF: 34.4/37

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1406239.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

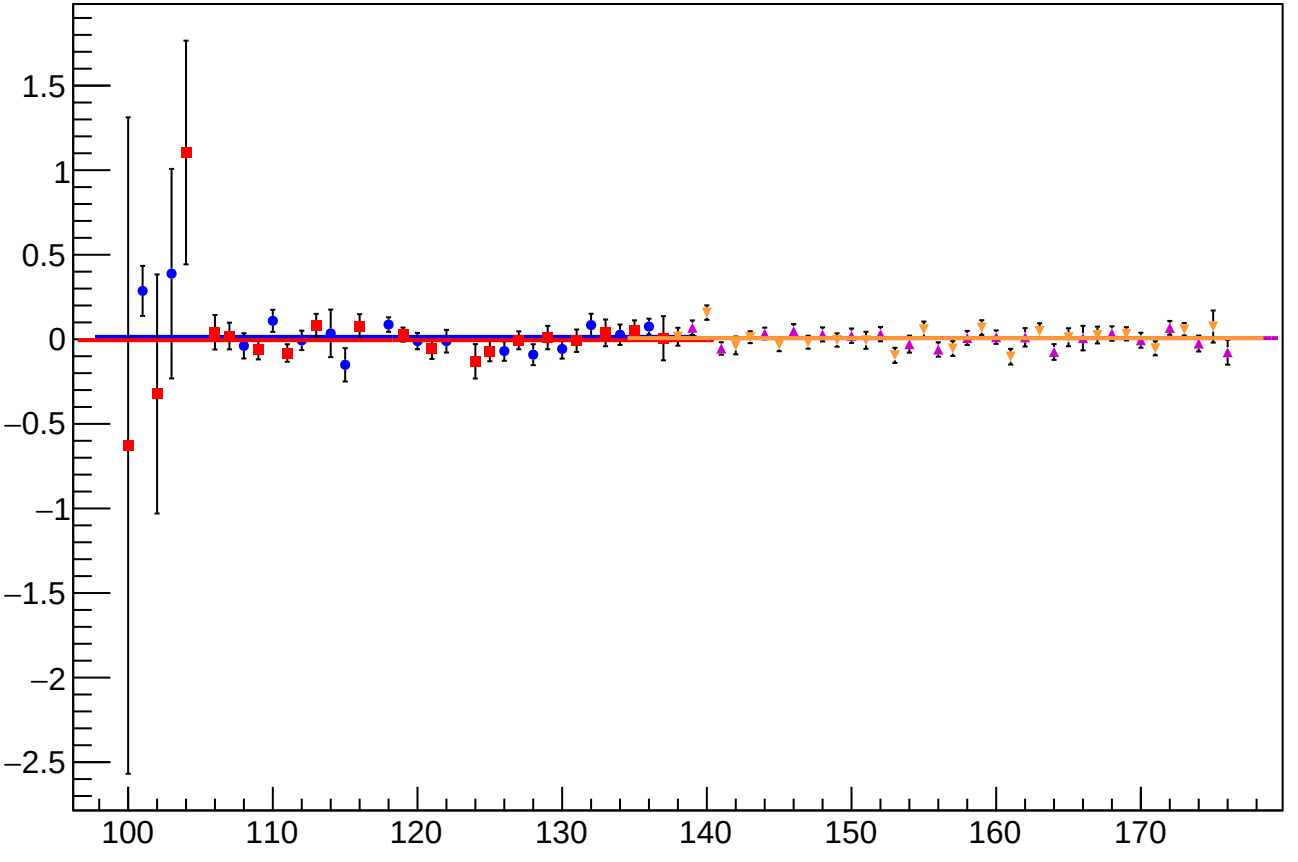
Left In: 0.000+/-0.000 χ^2/NDF:1350694.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 4140969.5/35

All: 0.000+/-0.000 χ^2/NDF: 8274412.2/73

- sign 0.000+/-0.000 χ^2/NDF: 4096444.7/37

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: 0.007+/-0.010 χ^2/NDF:36.4/19

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

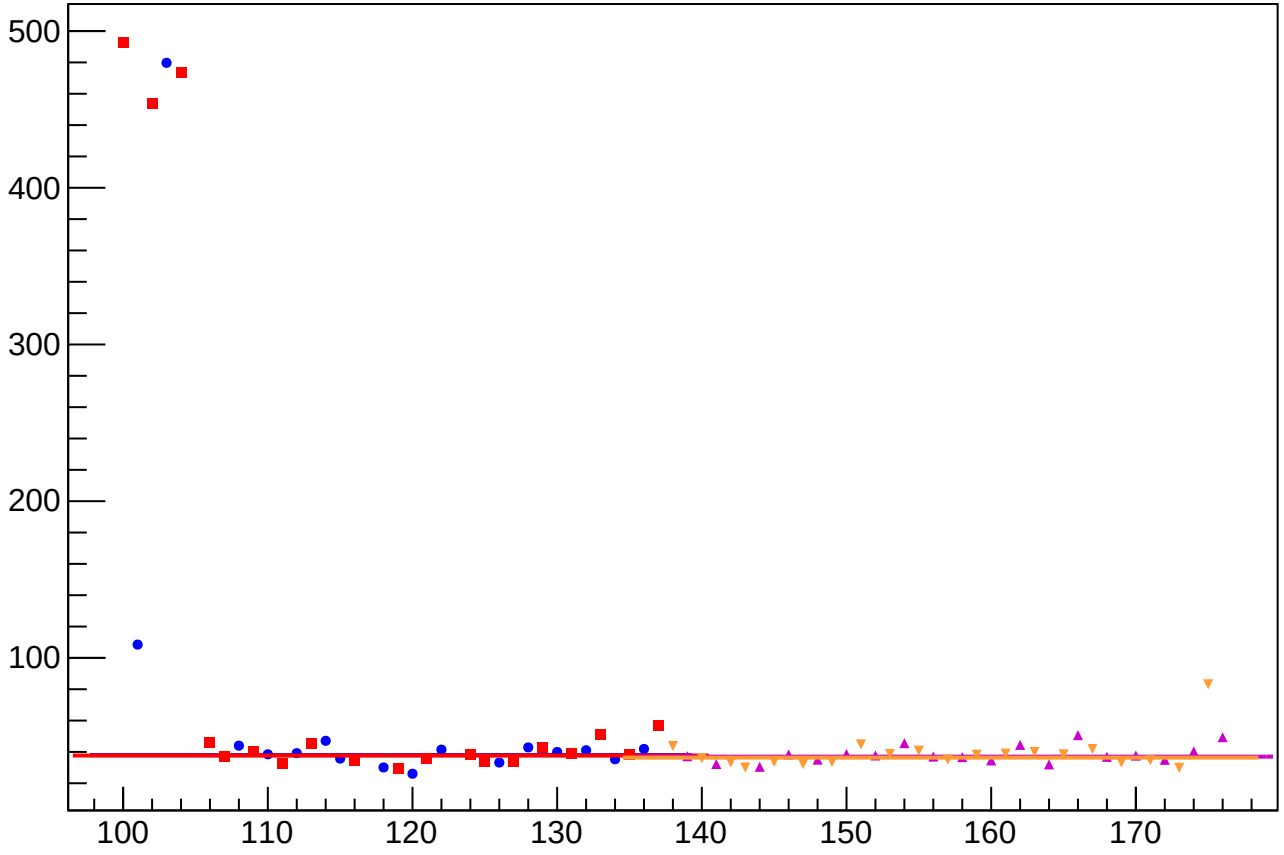
Left In: 0.007+/-0.010 χ^2/NDF:17.6/18

+ sign 0.009+/-0.008 χ^2/NDF: 58.6/35

All: 0.006+/-0.006 χ^2/NDF: 91.7/73

- sign 0.004+/-0.009 χ^2/NDF: 32.9/37

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.354+/-0.007 χ^2/NDF:847808.4/19

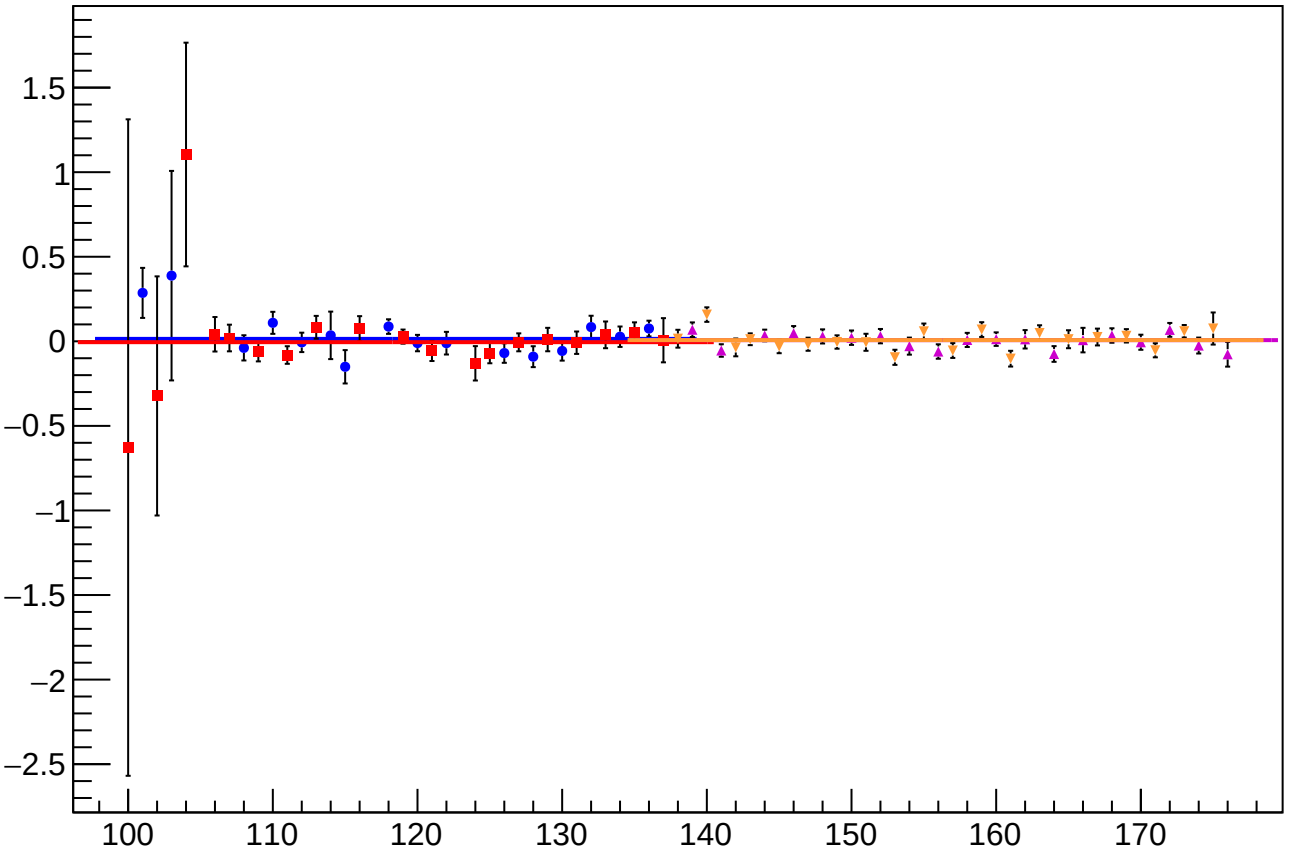
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.980+/-0.007 χ^2/NDF:383230.2/18

+ sign 36.798+/-0.006 χ^2/NDF: 2601794.8/35

All: 36.988+/-0.004 χ^2/NDF: 4934814.4/73

- sign 37.184+/-0.006 χ^2/NDF: 2330957.0/37



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.4/19

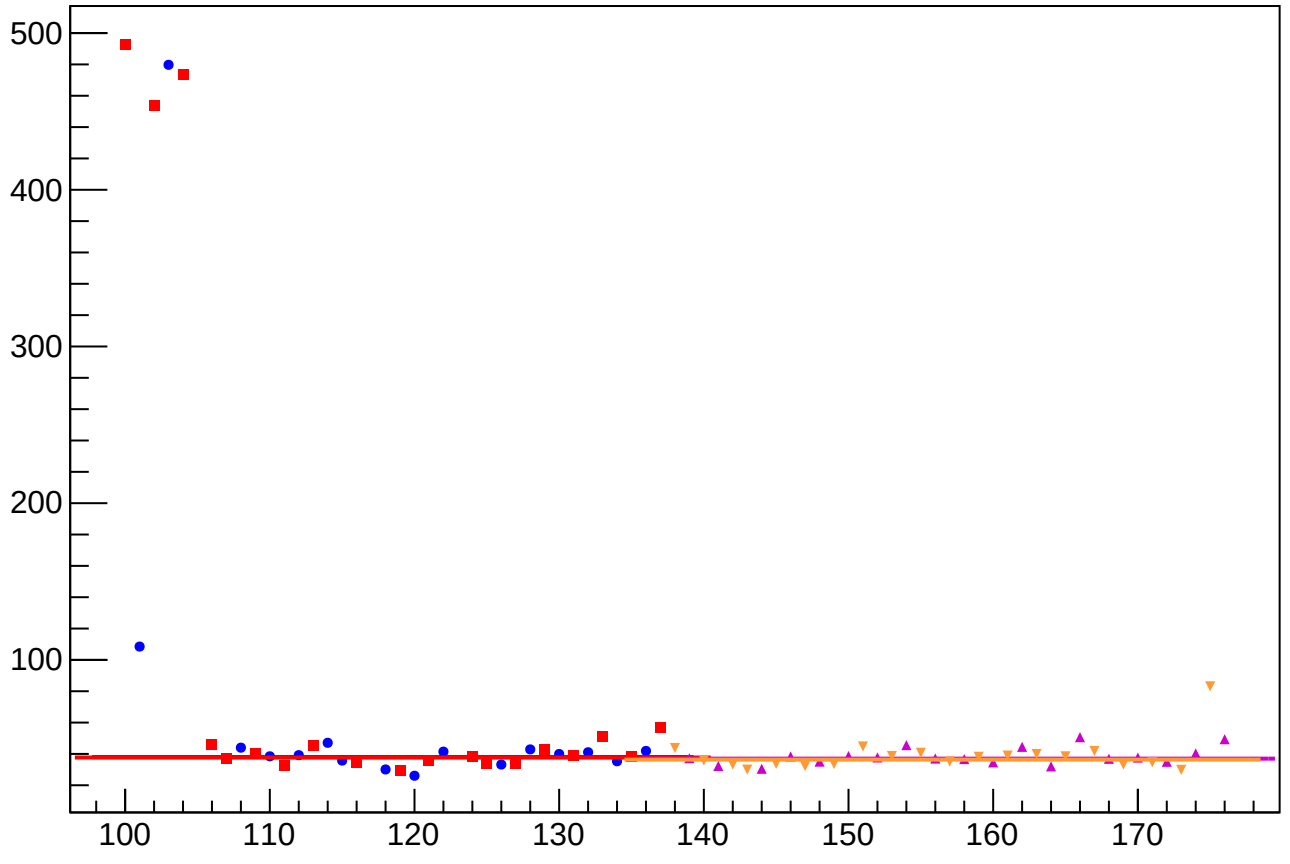
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.007+/-0.010 χ^2/NDF:17.6/18

+ sign 0.009+/-0.008 χ^2/NDF: 58.6/35

All: 0.006+/-0.006 χ^2/NDF: 91.7/73

- sign 0.004+/-0.009 χ^2/NDF: 32.9/37



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.354+/-0.007 χ^2/NDF:847808.4/19

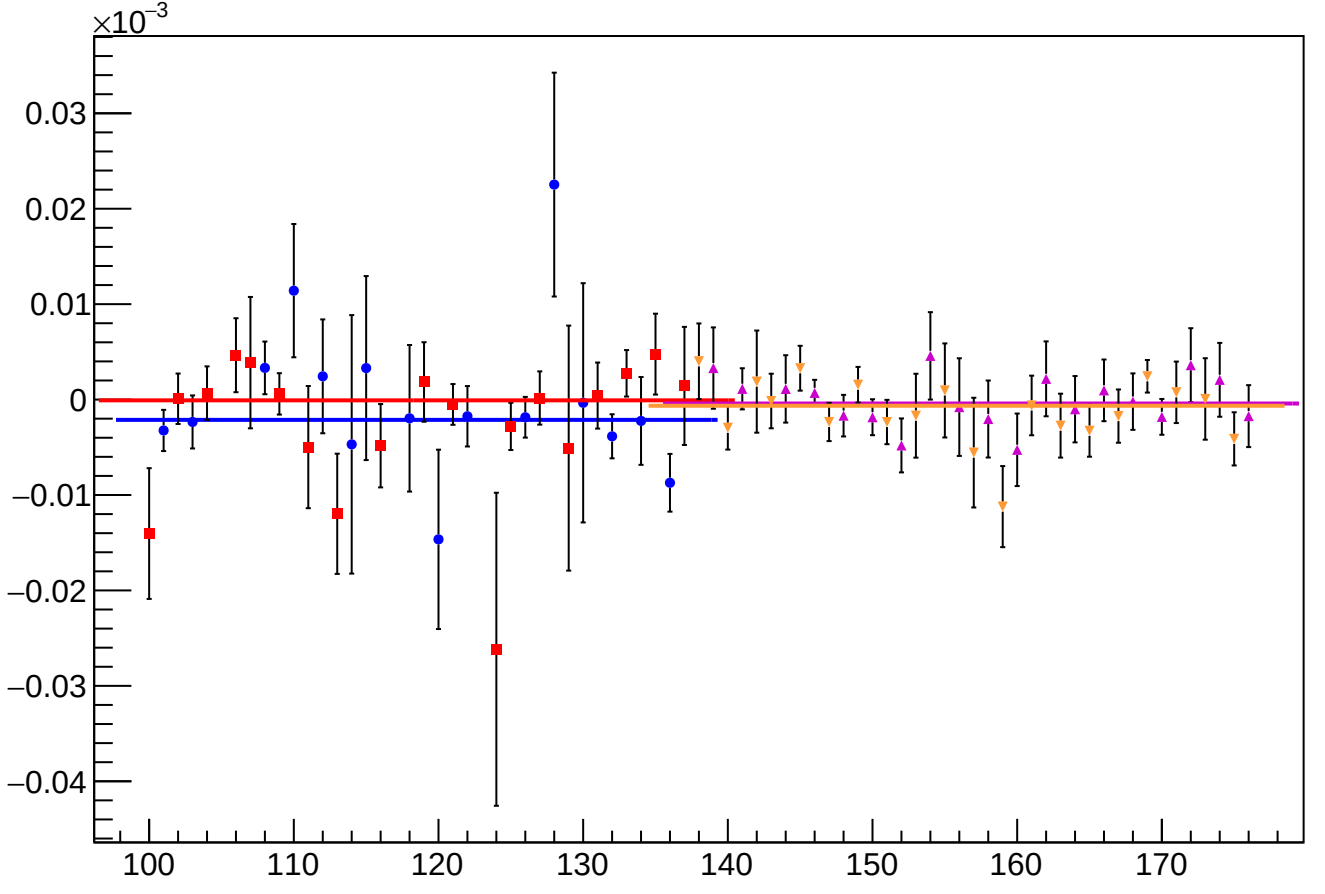
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.980+/-0.007 χ^2/NDF:383230.2/18

+ sign 36.798+/-0.006 χ^2/NDF: 2601794.8/35

All: 36.988+/-0.004 χ^2/NDF: 4934814.4/73

- sign 37.184+/-0.006 χ^2/NDF: 2330957.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

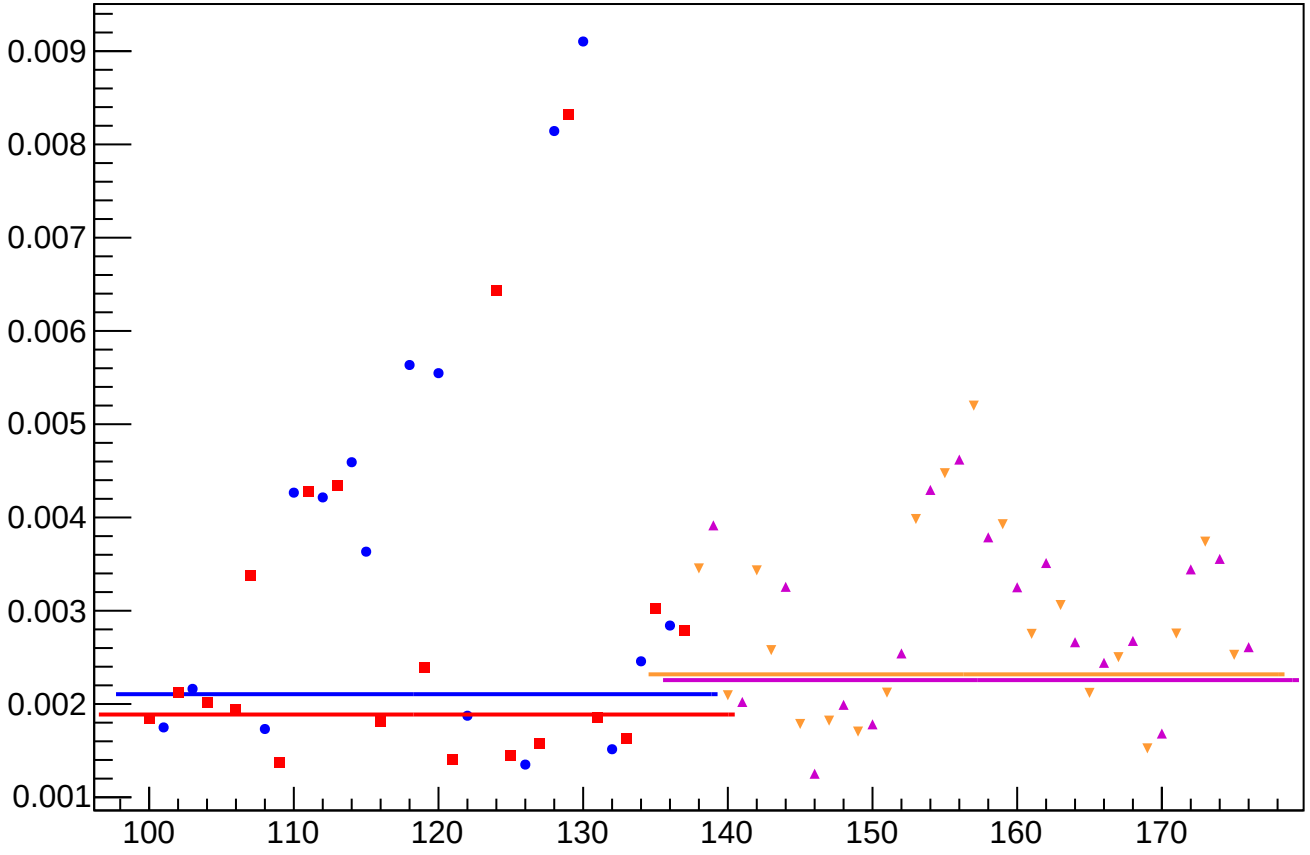
Left In: -0.000+/-0.000 χ^2/NDF:11.3/18

\+ sign -0.000+/-0.000 χ^2/NDF: 43.9/35

All: -0.000+/-0.000 χ^2/NDF: 75.2/73

\- sign -0.000+/-0.000 χ^2/NDF: 29.8/37

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3062236.8/19

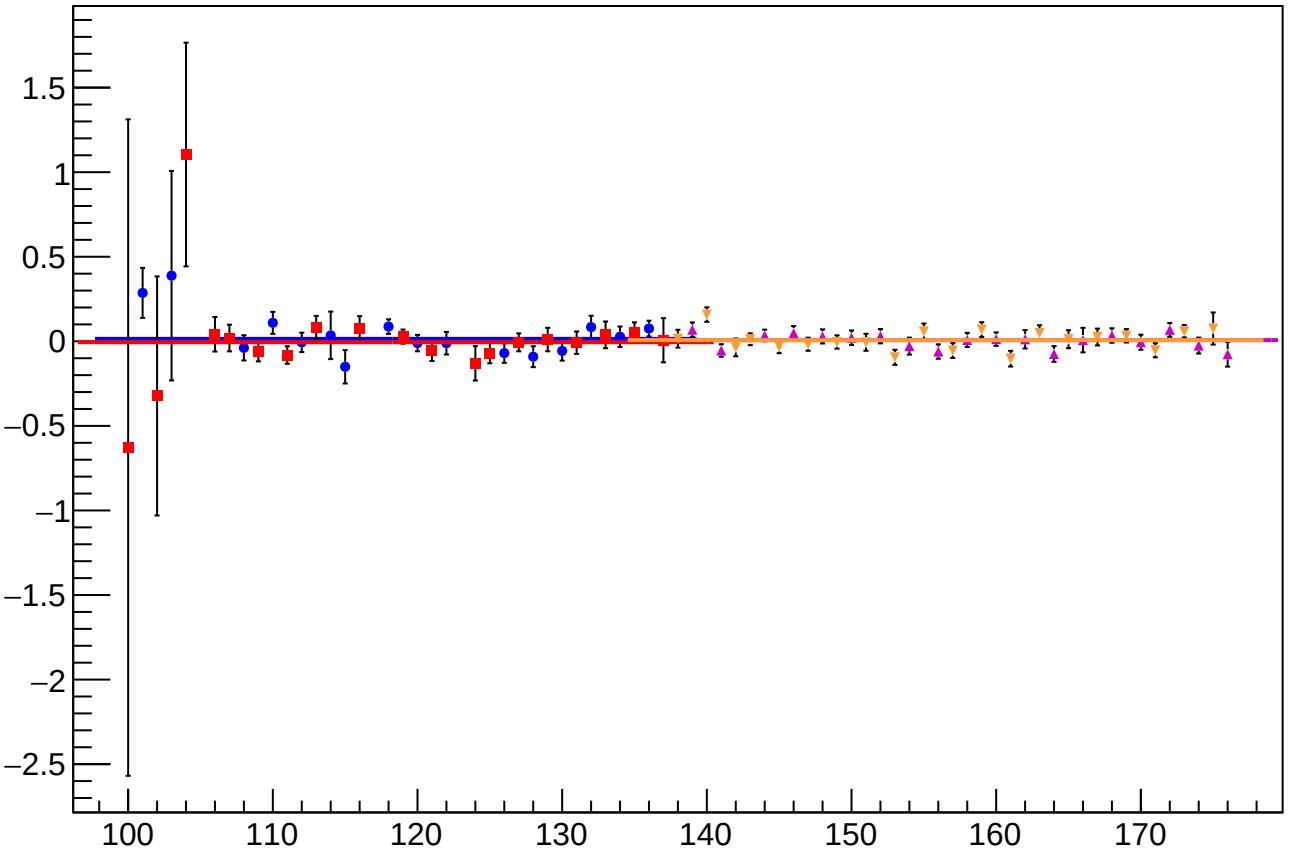
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3891116.1/18

+ sign 0.002+/-0.000 χ^2/NDF: 6155822.4/35

All: 0.002+/-0.000 χ^2/NDF: 12280309.7/73

- sign 0.002+/-0.000 χ^2/NDF: 6052940.4/37



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.4/19

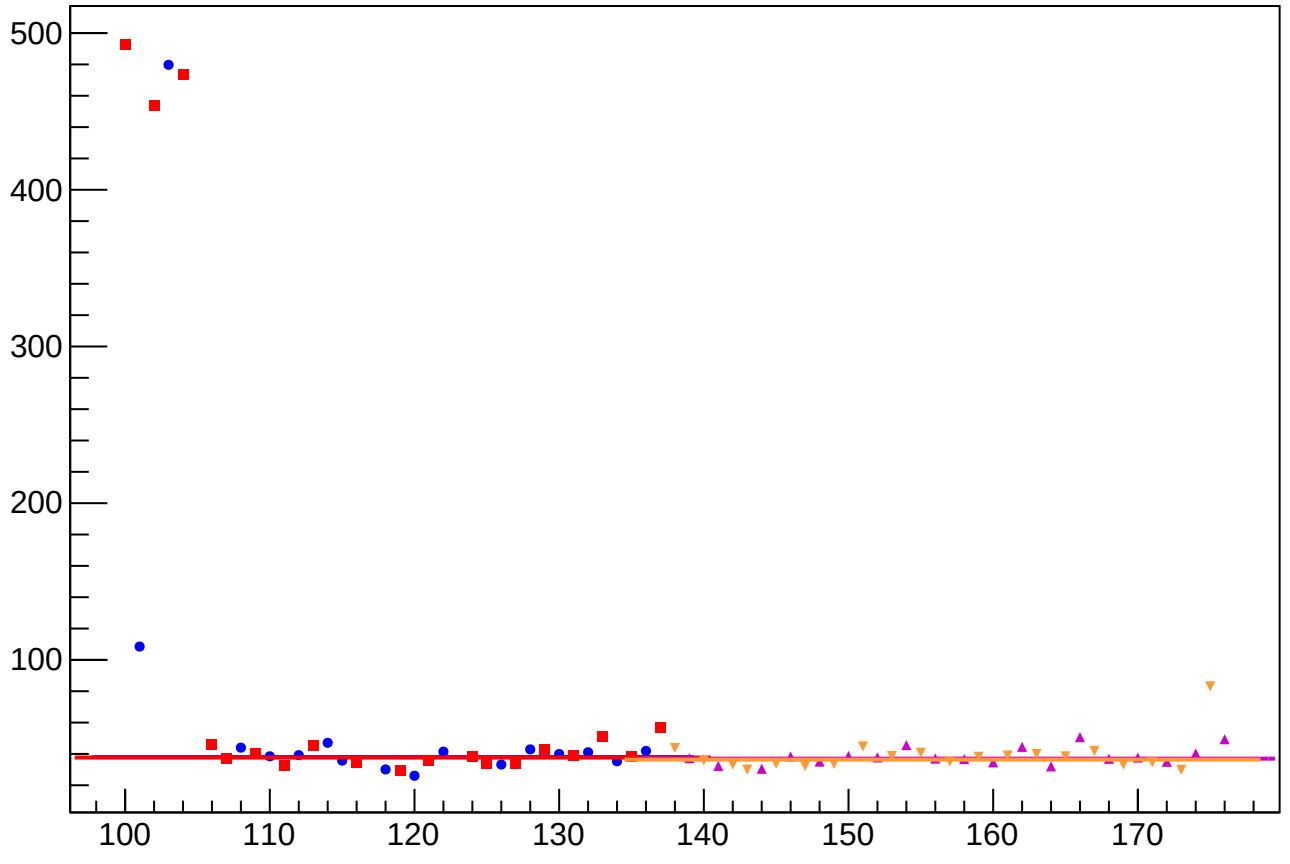
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.007+/-0.010 χ^2/NDF:17.6/18

+ sign 0.009+/-0.008 χ^2/NDF: 58.6/35

All: 0.006+/-0.006 χ^2/NDF: 91.7/73

- sign 0.004+/-0.009 χ^2/NDF: 32.9/37



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.354+/-0.007 χ^2/NDF:847846.1/19

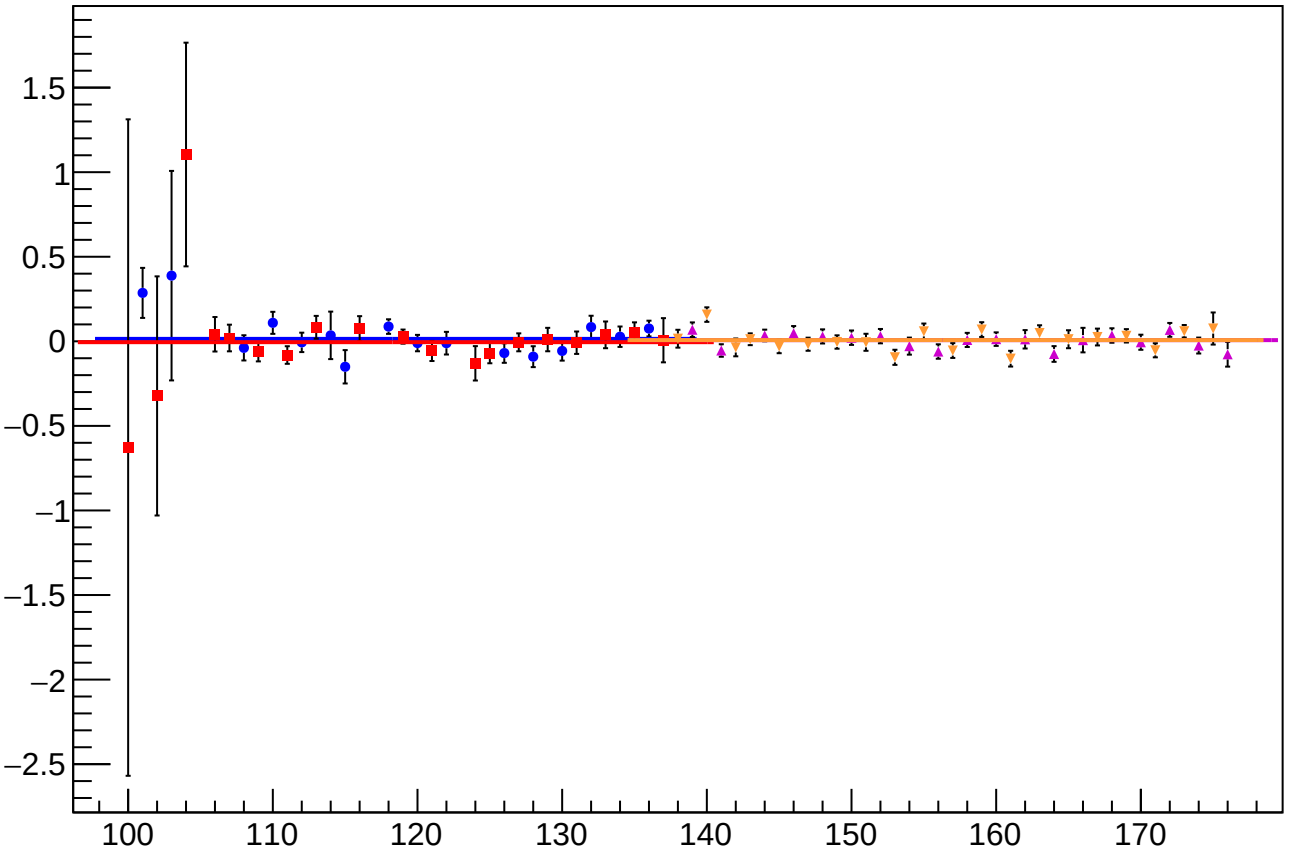
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.980+/-0.007 χ^2/NDF:383272.8/18

+ sign 36.798+/-0.006 χ^2/NDF: 2601836.8/35

All: 36.987+/-0.004 χ^2/NDF: 4934965.6/73

- sign 37.183+/-0.006 χ^2/NDF: 2331070.0/37



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.4/19

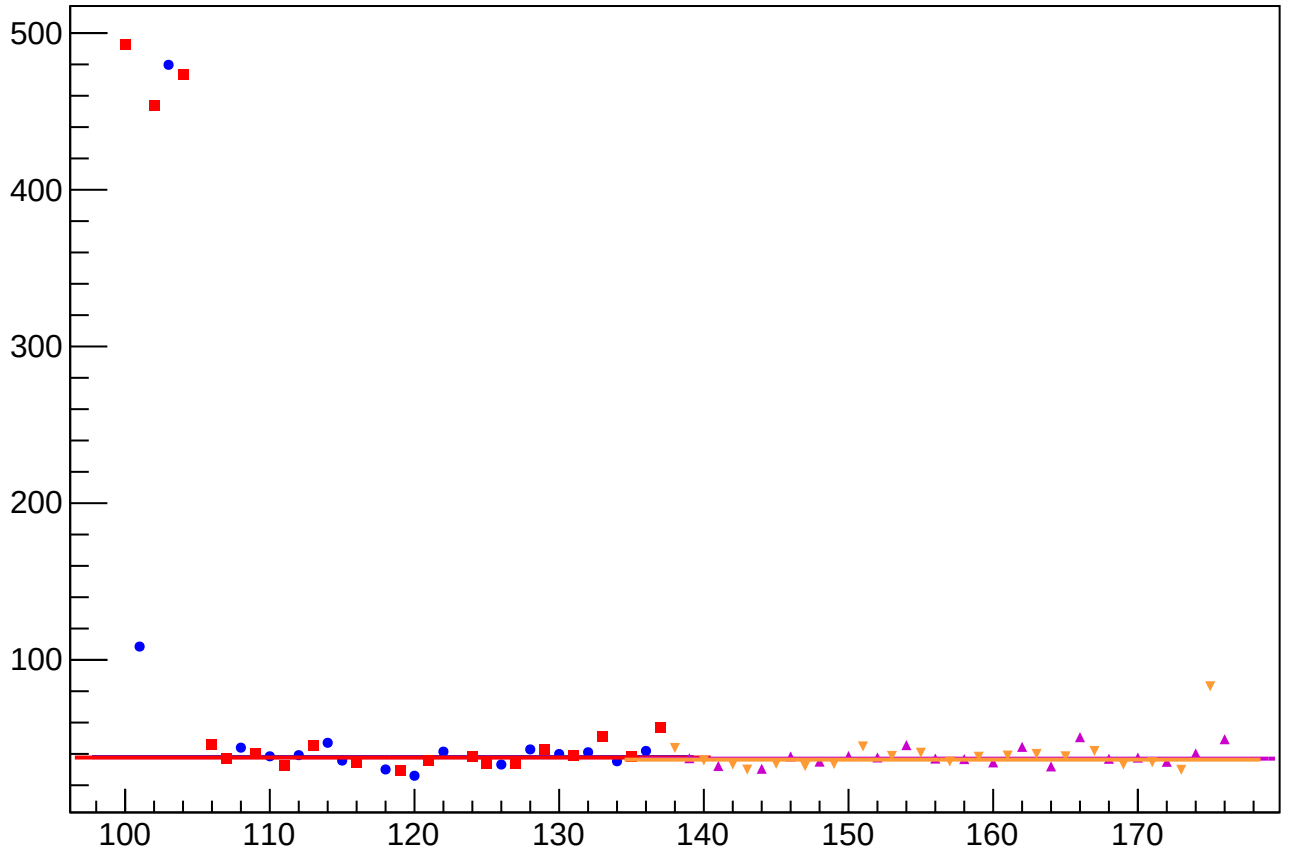
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.007+/-0.010 χ^2/NDF:17.6/18

+ sign 0.009+/-0.008 χ^2/NDF: 58.6/35

All: 0.006+/-0.006 χ^2/NDF: 91.7/73

- sign 0.004+/-0.009 χ^2/NDF: 32.9/37



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.354+/-0.007 χ^2/NDF:847846.1/19

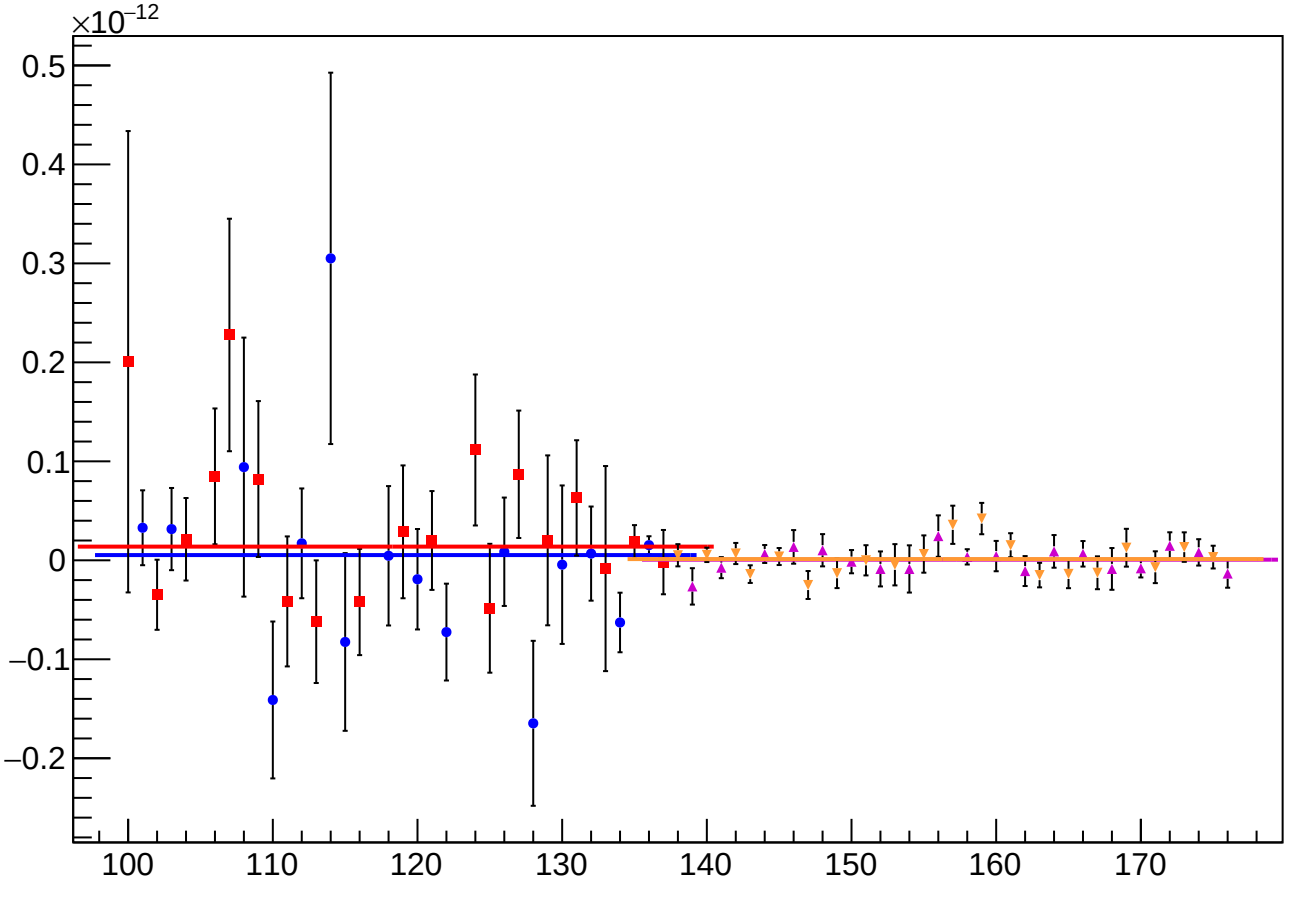
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.980+/-0.007 χ^2/NDF:383272.8/18

\+ sign 36.798+/-0.006 χ^2/NDF: 2601836.8/35

All: 36.987+/-0.004 χ^2/NDF: 4934965.6/73

\- sign 37.183+/-0.006 χ^2/NDF: 2331070.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.2/19

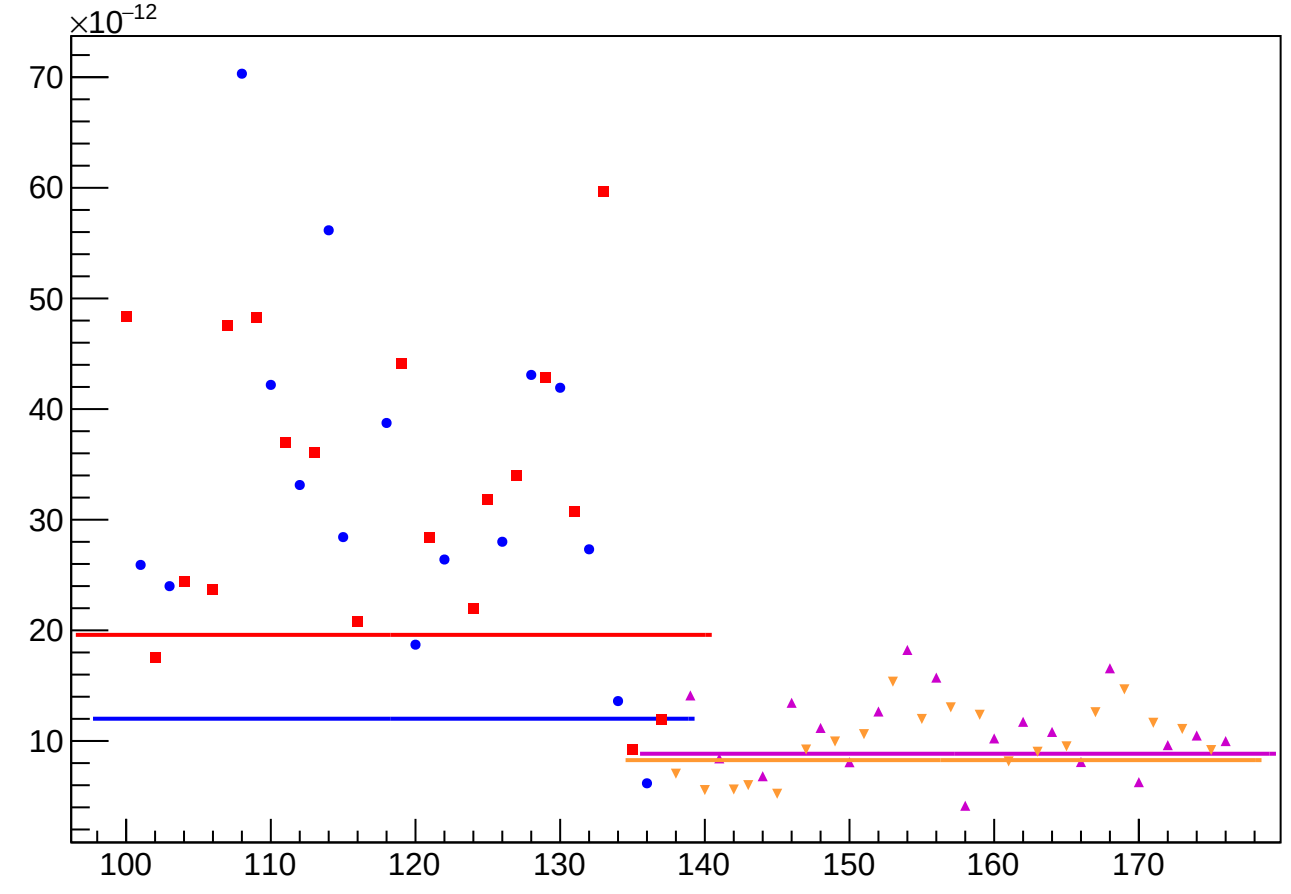
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 46.2/35

All: 0.000+/-0.000 χ^2/NDF: 74.0/73

- sign 0.000+/-0.000 χ^2/NDF: 27.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2007536.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

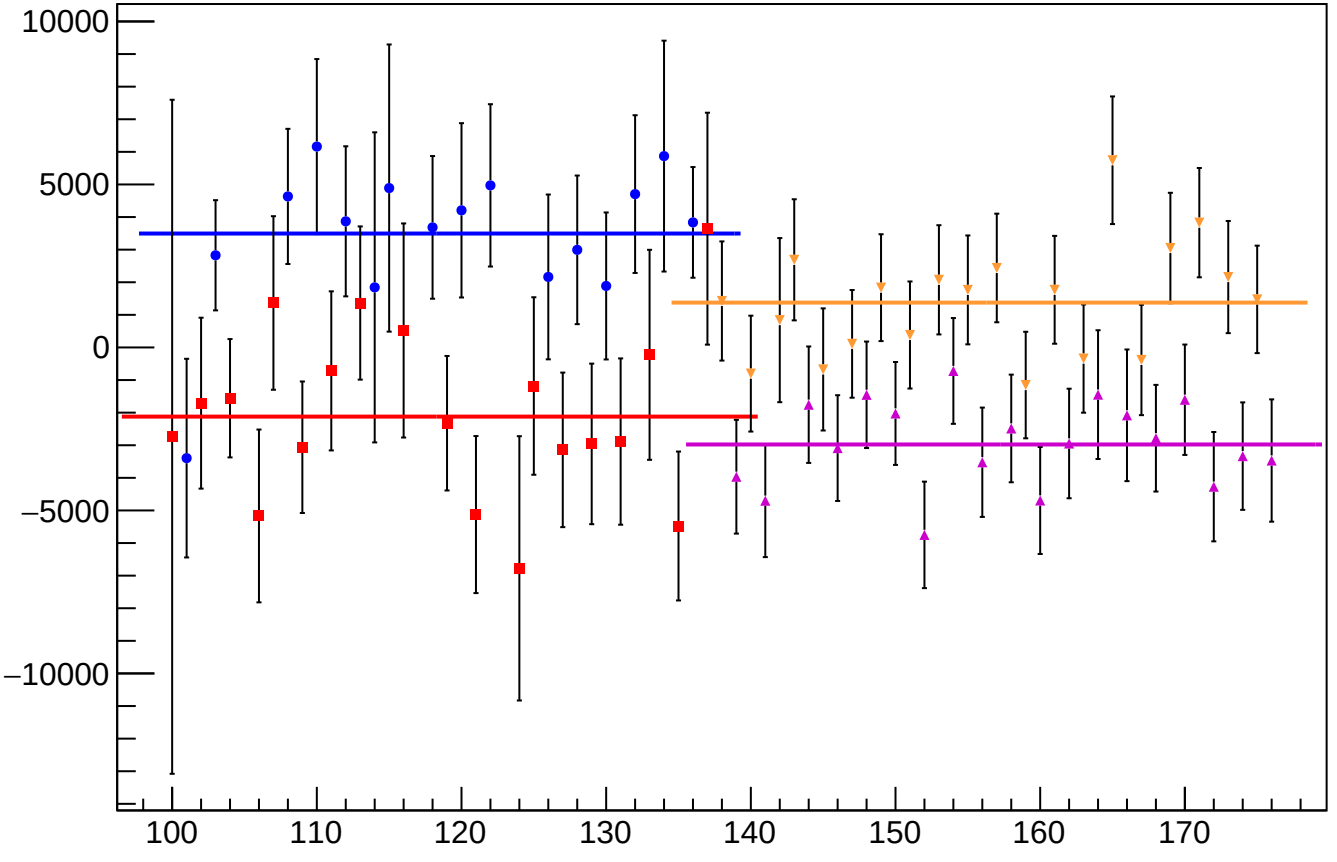
Left In: 0.000+/-0.000 χ^2/NDF:2417279.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 6307982.7/35

All: 0.000+/-0.000 χ^2/NDF: 13374301.7/73

- sign 0.000+/-0.000 χ^2/NDF: 6952218.4/37

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1375.900+/-387.595 χ^2/NDF:17.8/19

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

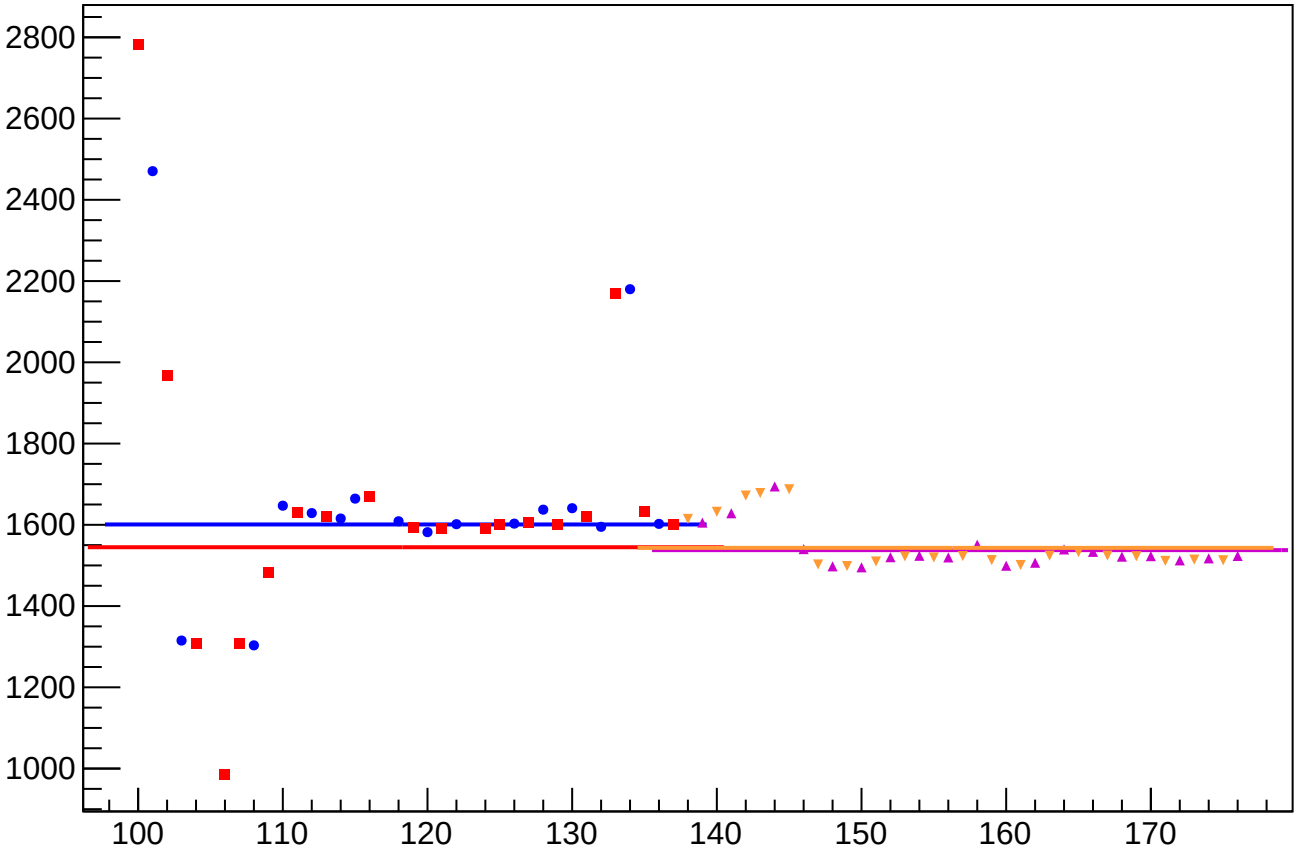
Left In: -2976.400+/-390.238 χ^2/NDF:11.3/18

+ sign 1997.921+/-325.760 χ^2/NDF: 35.4/35

All: -363.365+/-230.107 χ^2/NDF: 168.1/73

- sign -2714.822+/-325.082 χ^2/NDF: 27.9/37

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1543.258+/-0.274 χ^2/NDF:45075.6/19

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

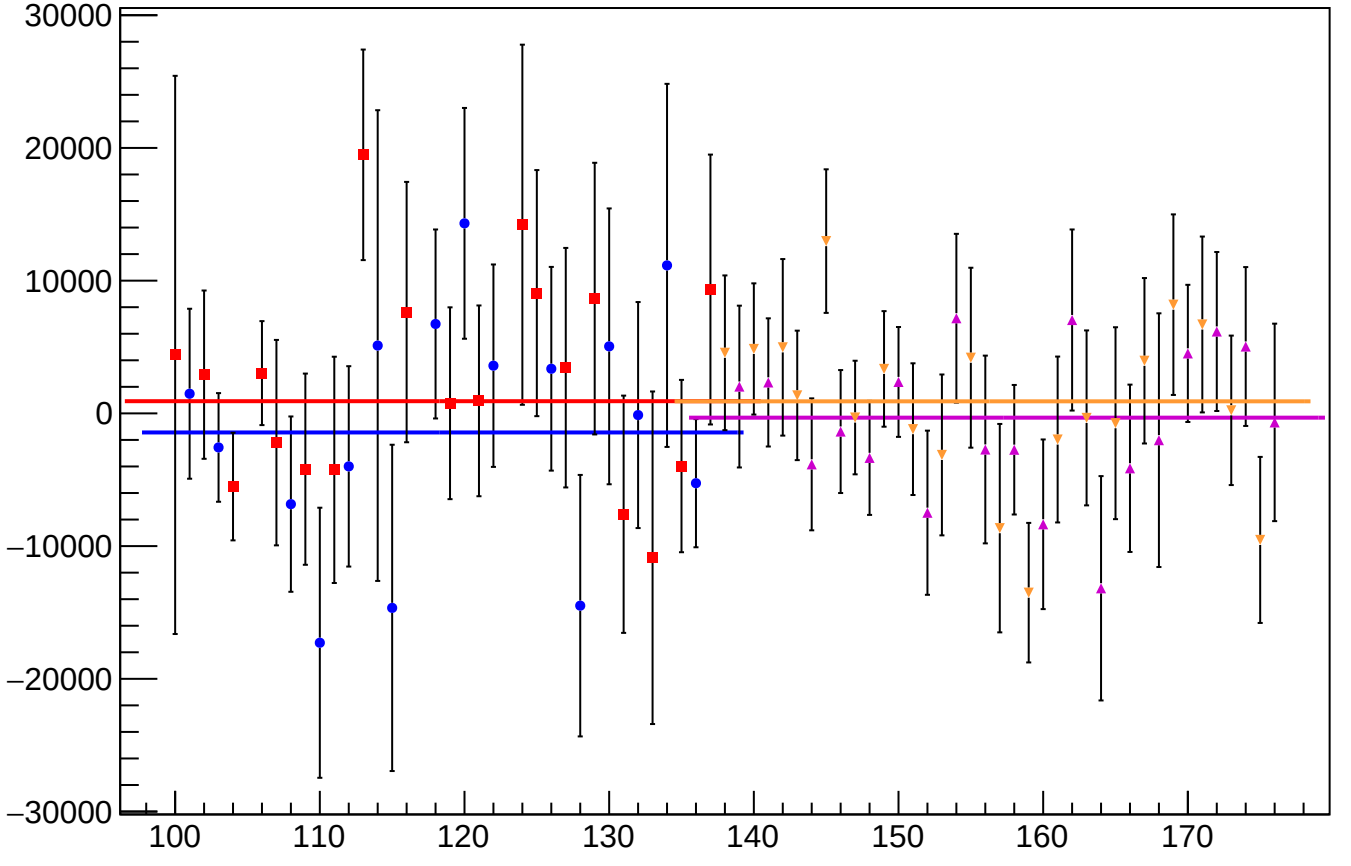
Left In: 1537.682+/-0.276 χ^2/NDF:30312.9/18

+ sign 1560.177+/-0.230 χ^2/NDF: 375468.0/35

All: 1549.972+/-0.162 χ^2/NDF: 786014.2/73

- sign 1539.915+/-0.229 χ^2/NDF: 406649.3/37

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 908.488+/-1276.657 χ^2/NDF:21.9/19

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

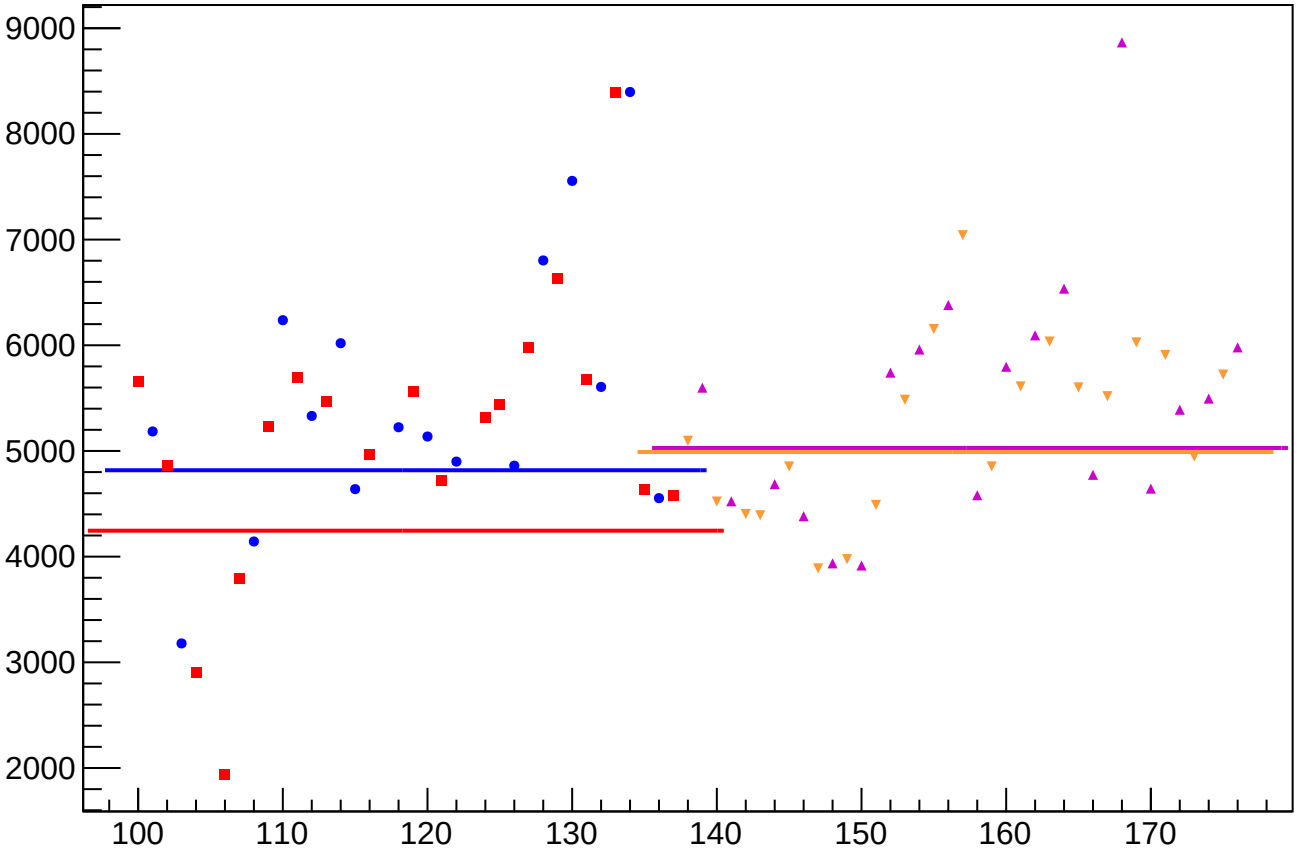
Left In: -322.882+/-1302.273 χ^2/NDF:13.3/18

\+ sign 150.862+/-1050.435 χ^2/NDF: 36.8/35

All: 148.779+/-734.262 χ^2/NDF: 65.9/73

\- sign 146.789+/-1026.775 χ^2/NDF: 29.0/37

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4989.863+/-0.903 χ^2/NDF:748160.5/19

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

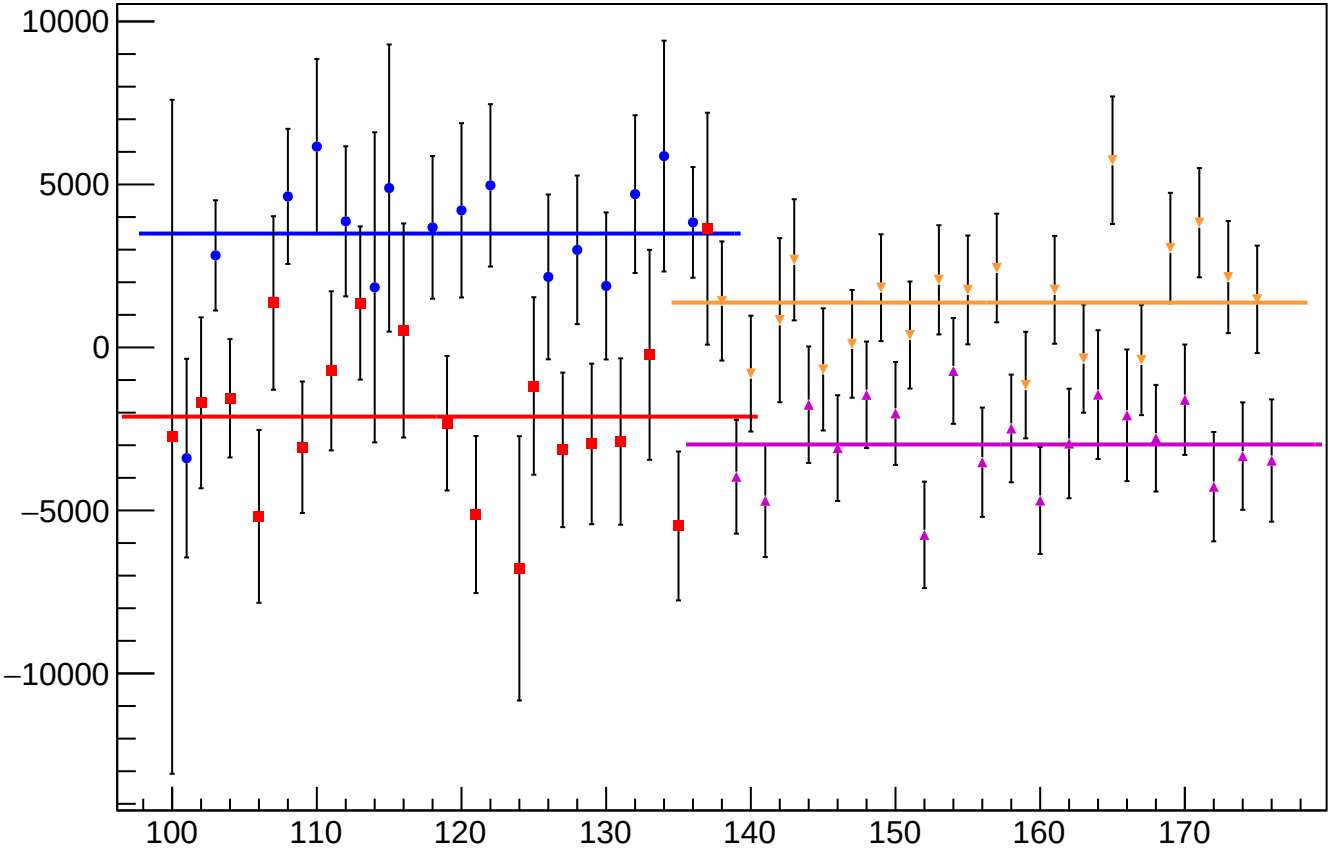
Left In: 5028.443+/-0.921 χ^2/NDF:1051043.5/18

+ sign 4934.140+/-0.743 χ^2/NDF: 1555388.2/35

All: 4830.885+/-0.519 χ^2/NDF: 4600869.9/73

- sign 4732.229+/-0.726 χ^2/NDF: 3007693.2/37

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1375.797+/-387.595 χ^2/NDF:17.8/19

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

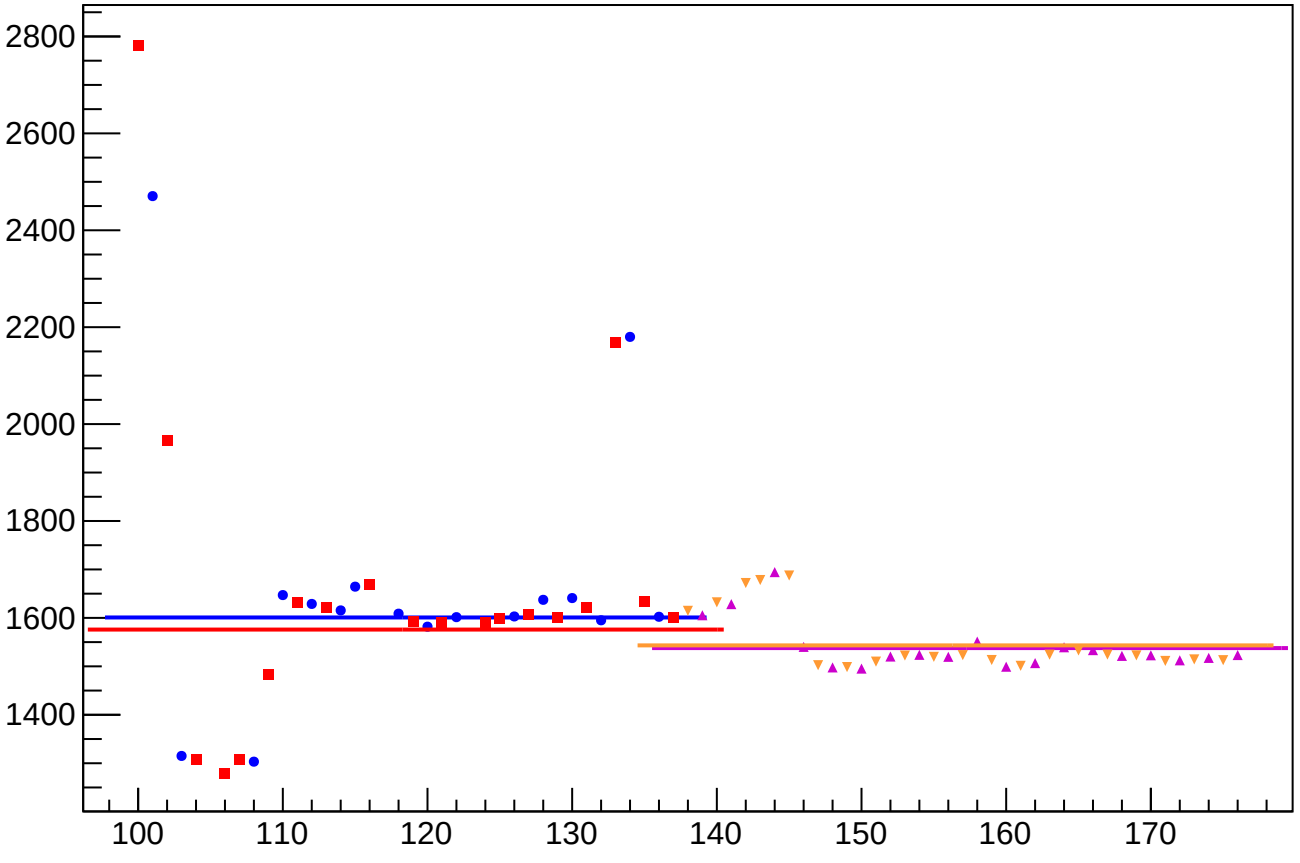
Left In: -2976.327+/-390.238 χ^2/NDF:11.3/18

+ sign 1997.749+/-325.760 χ^2/NDF: 35.4/35

All: -363.421+/-230.107 χ^2/NDF: 168.1/73

- sign -2714.770+/-325.082 χ^2/NDF: 27.9/37

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1543.258+/-0.274 χ^2/NDF:45075.6/19

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

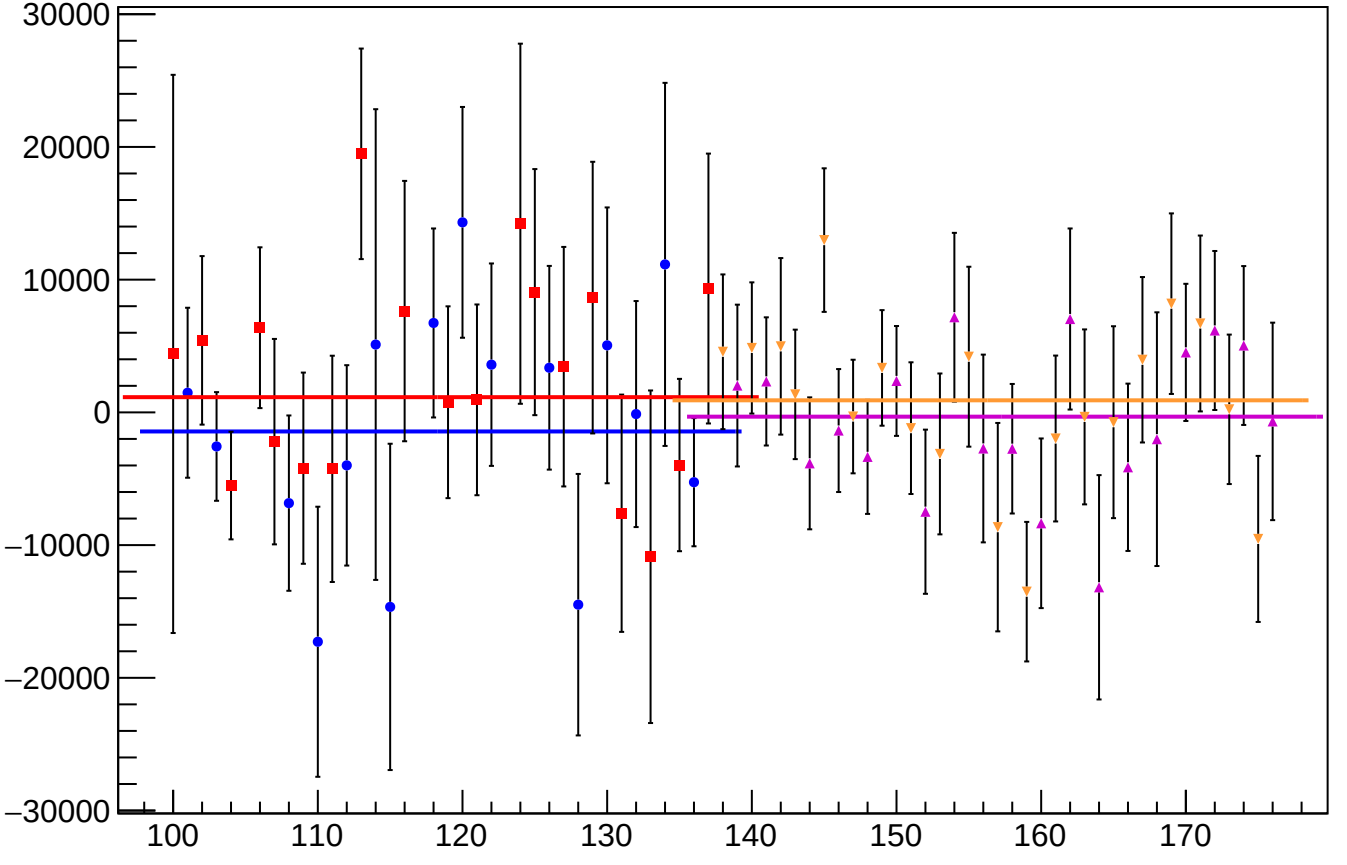
Left In: 1537.682+/-0.276 χ^2/NDF:30312.9/18

+ sign 1560.177+/-0.230 χ^2/NDF: 375467.3/35

All: 1554.792+/-0.163 χ^2/NDF: 656104.4/73

- sign 1549.443+/-0.230 χ^2/NDF: 279547.9/37

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 908.477+/-1276.655 χ^2/NDF:21.9/19

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

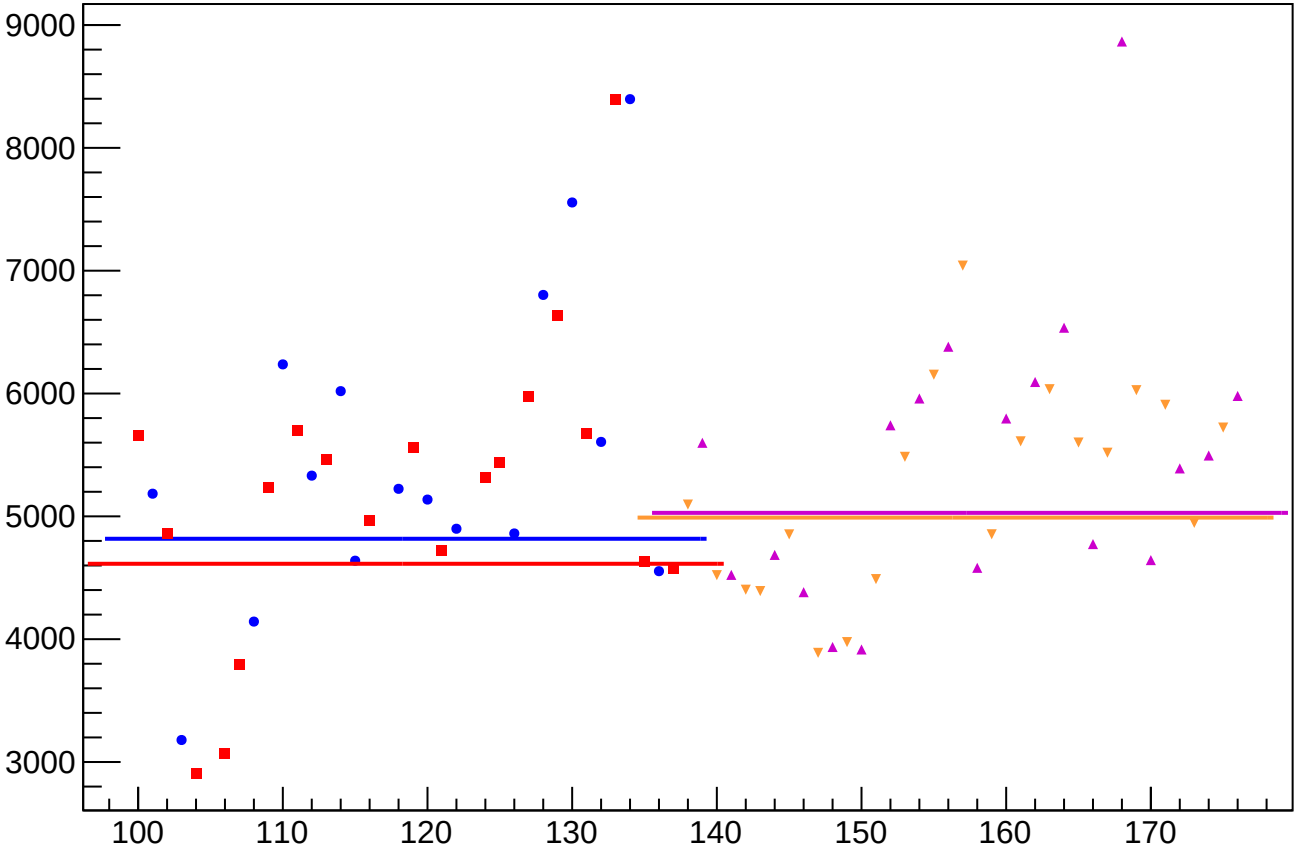
Left In: -322.913+/-1302.273 χ^2/NDF:13.3/18

+ sign 150.798+/-1050.441 χ^2/NDF: 36.8/35

All: 172.846+/-741.905 χ^2/NDF: 66.9/73

- sign 194.791+/-1047.987 χ^2/NDF: 30.0/37

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4989.853+/-0.903 χ^2/NDF:748168.3/19

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

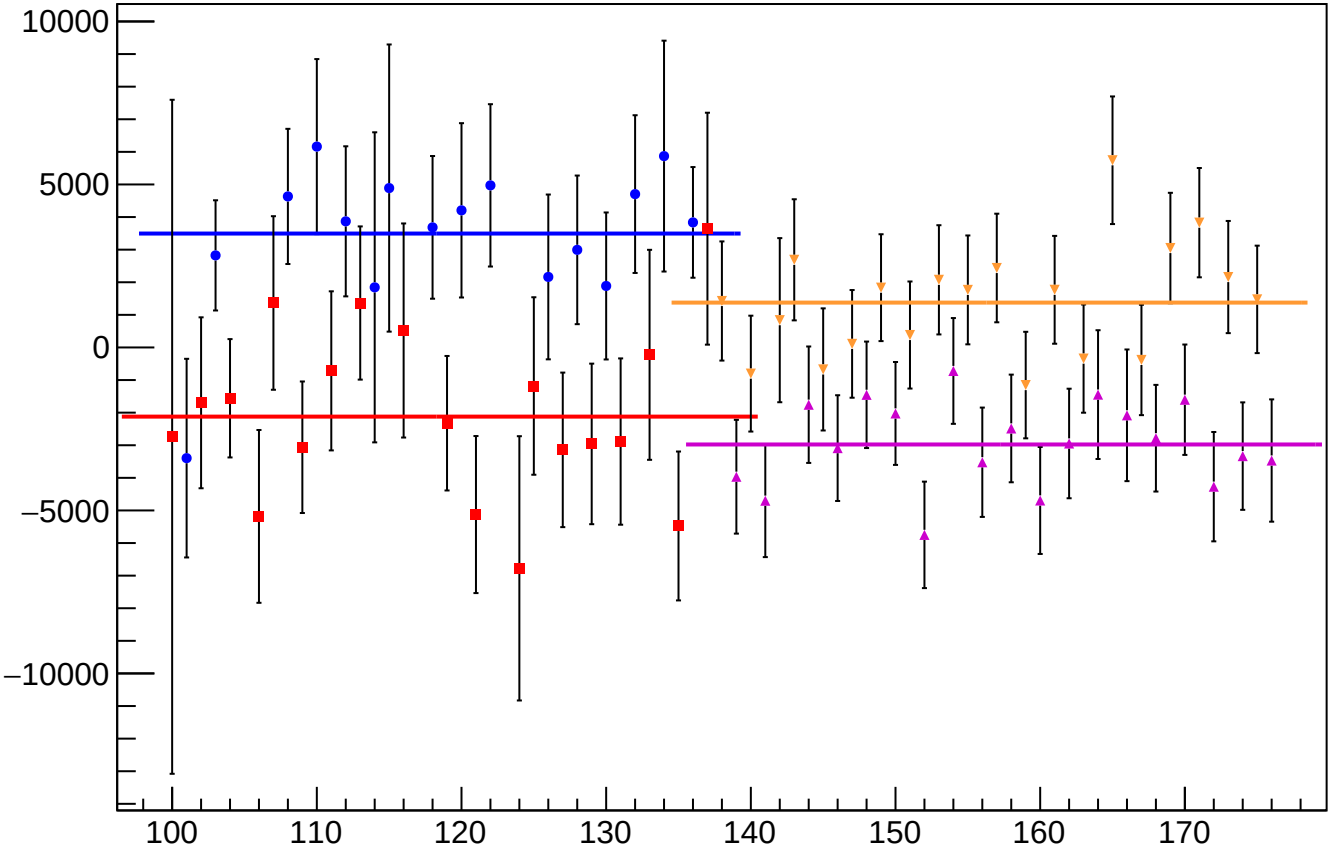
Left In: 5028.442+/-0.921 χ^2/NDF:1051045.3/18

+ sign 4934.178+/-0.743 χ^2/NDF: 1555177.9/35

All: 4908.199+/-0.525 χ^2/NDF: 3658055.5/73

- sign 4882.341+/-0.741 χ^2/NDF: 2100436.6/37

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1375.797+/-387.595 χ^2/NDF:17.8/19

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

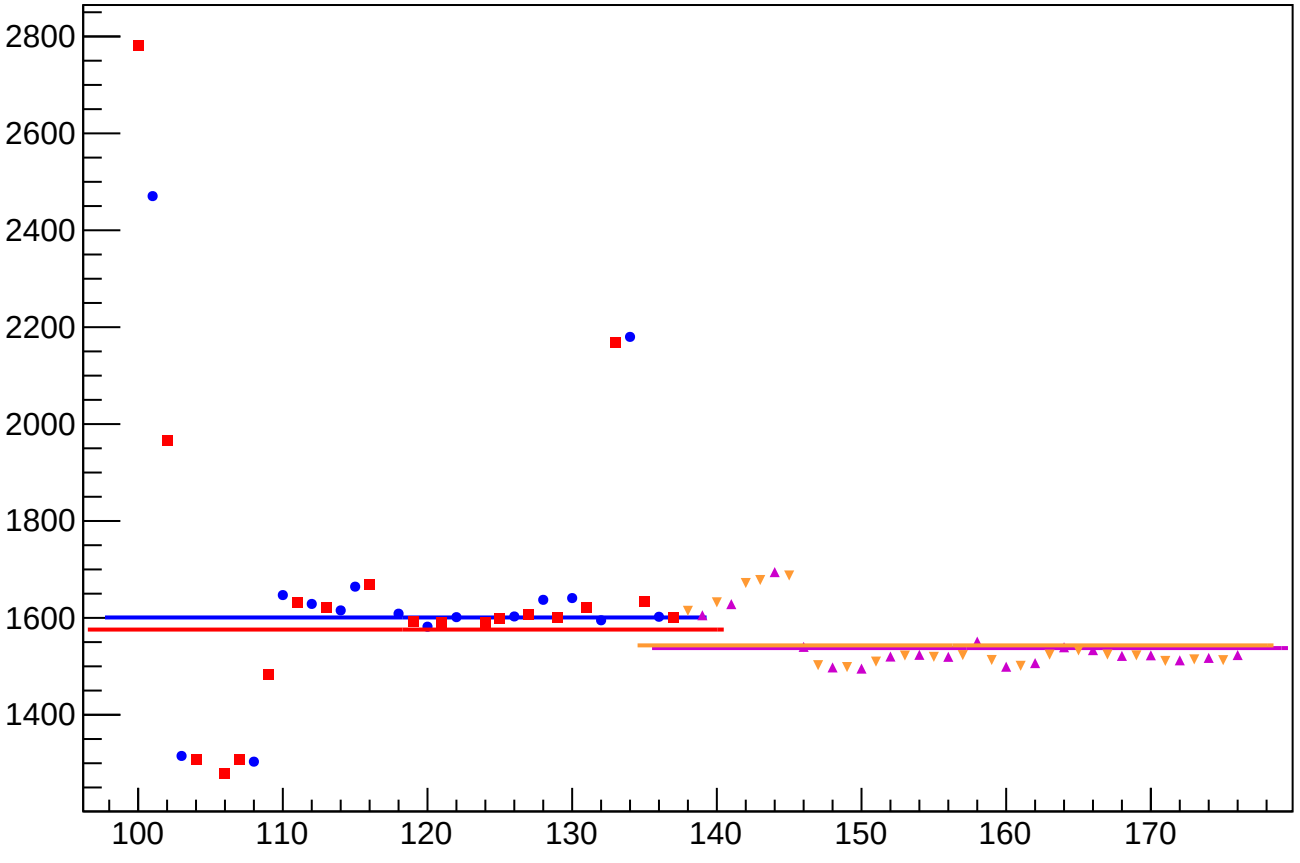
Left In: -2976.327+/-390.238 χ^2/NDF:11.3/18

+ sign 1997.749+/-325.760 χ^2/NDF: 35.4/35

All: -363.421+/-230.107 χ^2/NDF: 168.1/73

- sign -2714.770+/-325.082 χ^2/NDF: 27.9/37

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1543.258+/-0.274 χ^2/NDF:45075.6/19

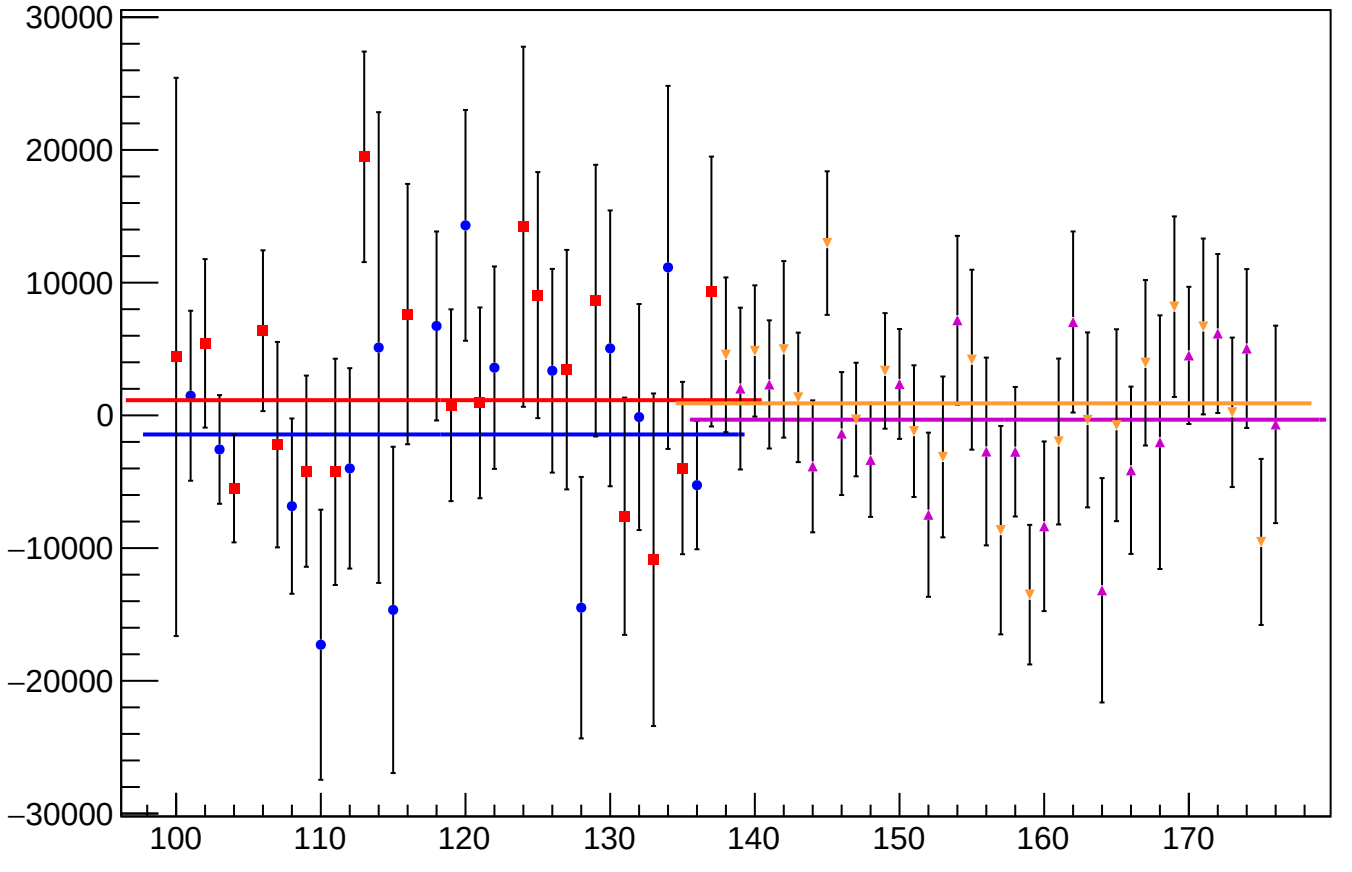
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1537.682+/-0.276 χ^2/NDF:30312.9/18

+ sign 1560.177+/-0.230 χ^2/NDF: 375467.3/35

All: 1554.792+/-0.163 χ^2/NDF: 656104.4/73

- sign 1549.443+/-0.230 χ^2/NDF: 279547.9/37



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 908.477+/-1276.655 χ^2/NDF:21.9/19

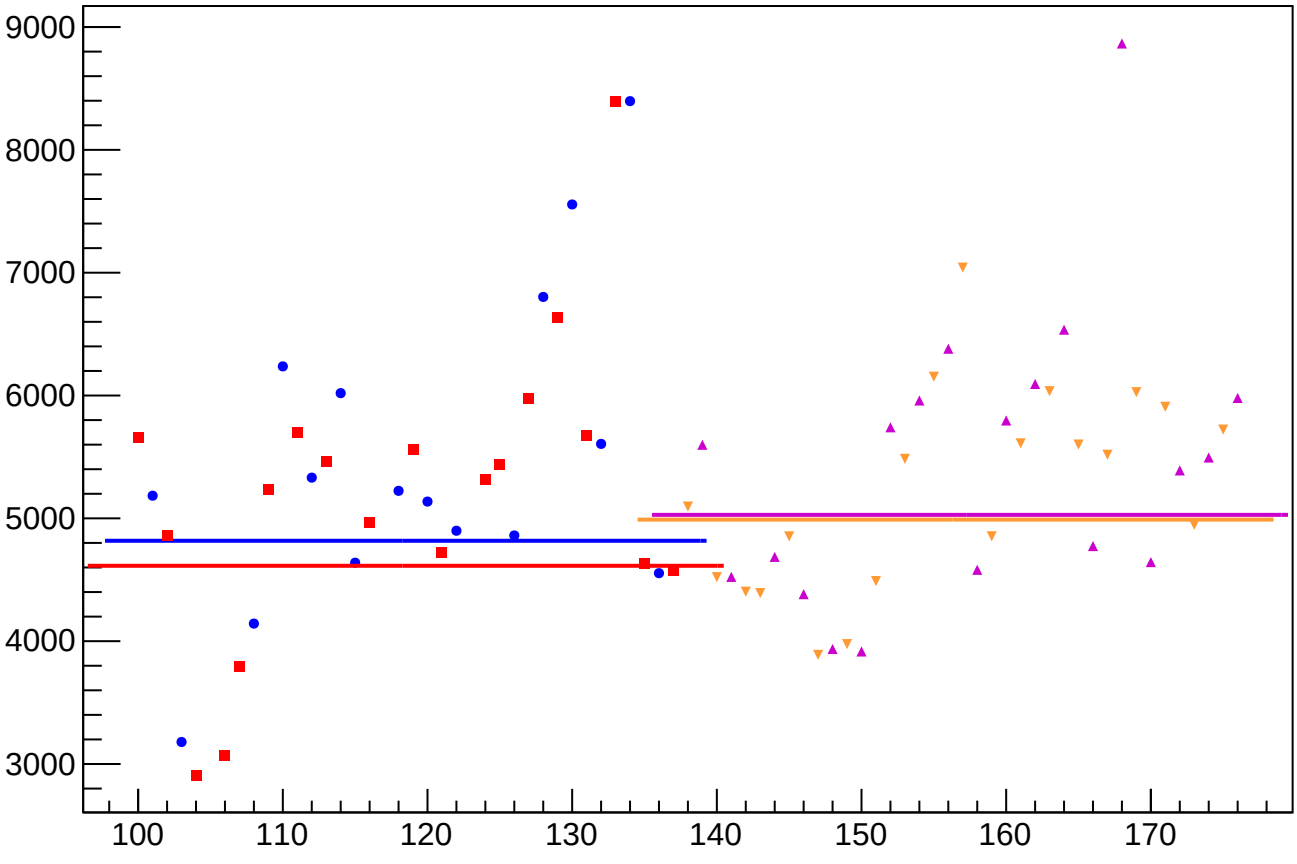
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -322.913+/-1302.273 χ^2/NDF:13.3/18

\+ sign 150.798+/-1050.441 χ^2/NDF: 36.8/35

All: 172.846+/-741.905 χ^2/NDF: 66.9/73

\- sign 194.791+/-1047.987 χ^2/NDF: 30.0/37



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4989.853+/-0.903 χ^2/NDF:748168.3/19

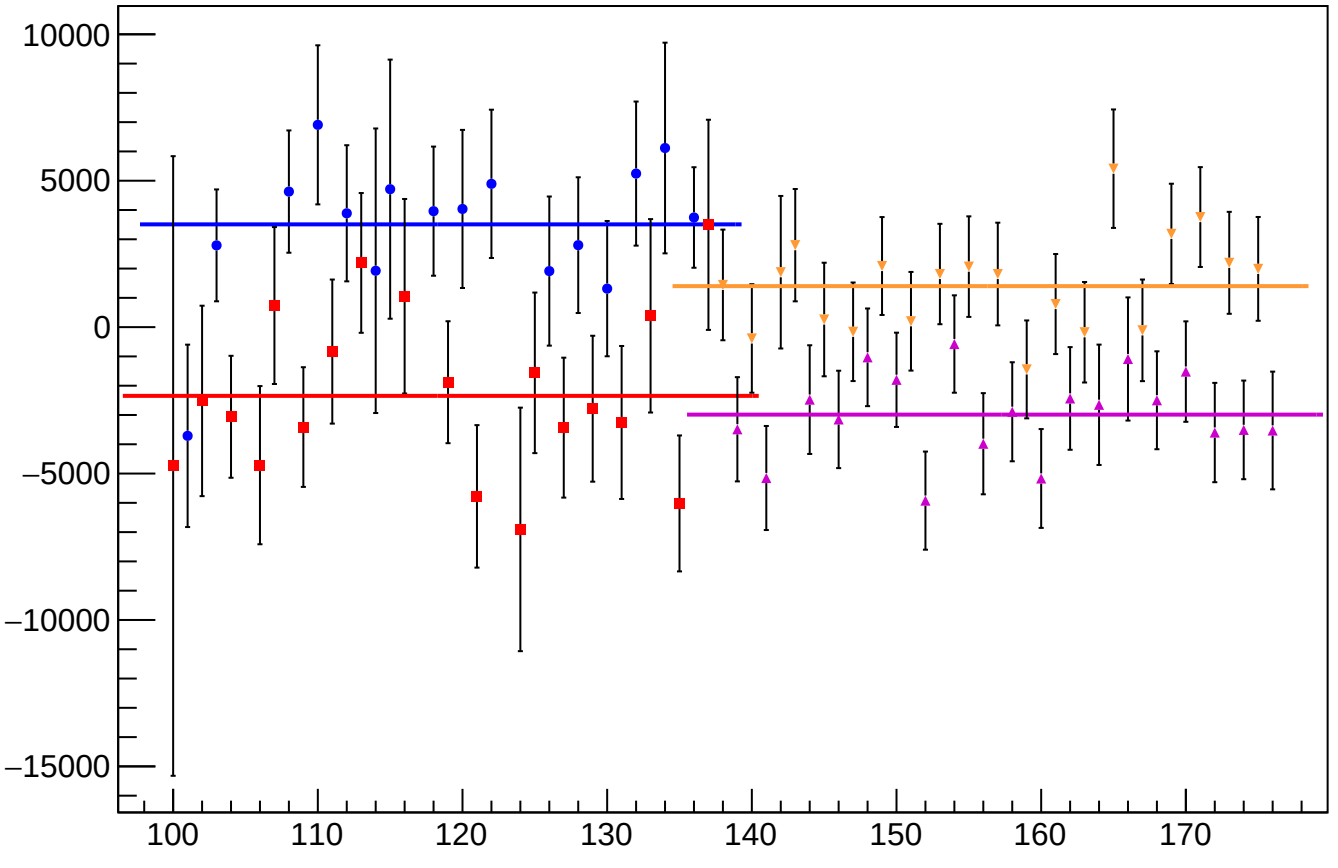
Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5028.442+/-0.921 χ^2/NDF:1051045.3/18

+ sign 4934.178+/-0.743 χ^2/NDF: 1555177.9/35

All: 4908.199+/-0.525 χ^2/NDF: 3658055.5/73

- sign 4882.341+/-0.741 χ^2/NDF: 2100436.6/37



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1400.335+/-399.210 χ^2/NDF:15.5/19

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

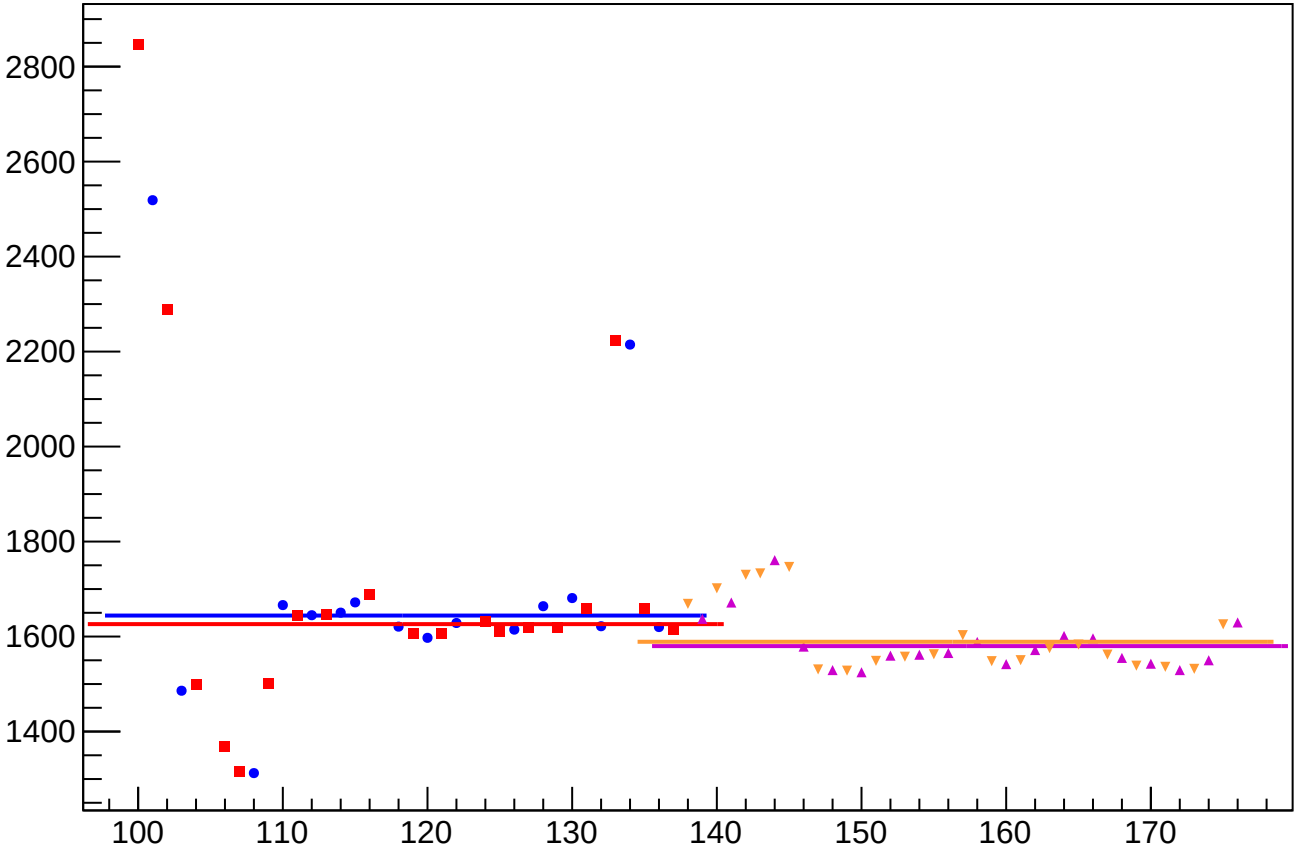
Left In: -2987.034+/-401.055 χ^2/NDF:12.8/18

+ sign 2023.134+/-335.127 χ^2/NDF: 34.1/35

All: -387.872+/-236.819 χ^2/NDF: 168.2/73

- sign -2792.718+/-334.698 χ^2/NDF: 30.7/37

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1589.001+/-0.282 χ^2/NDF:58220.0/19

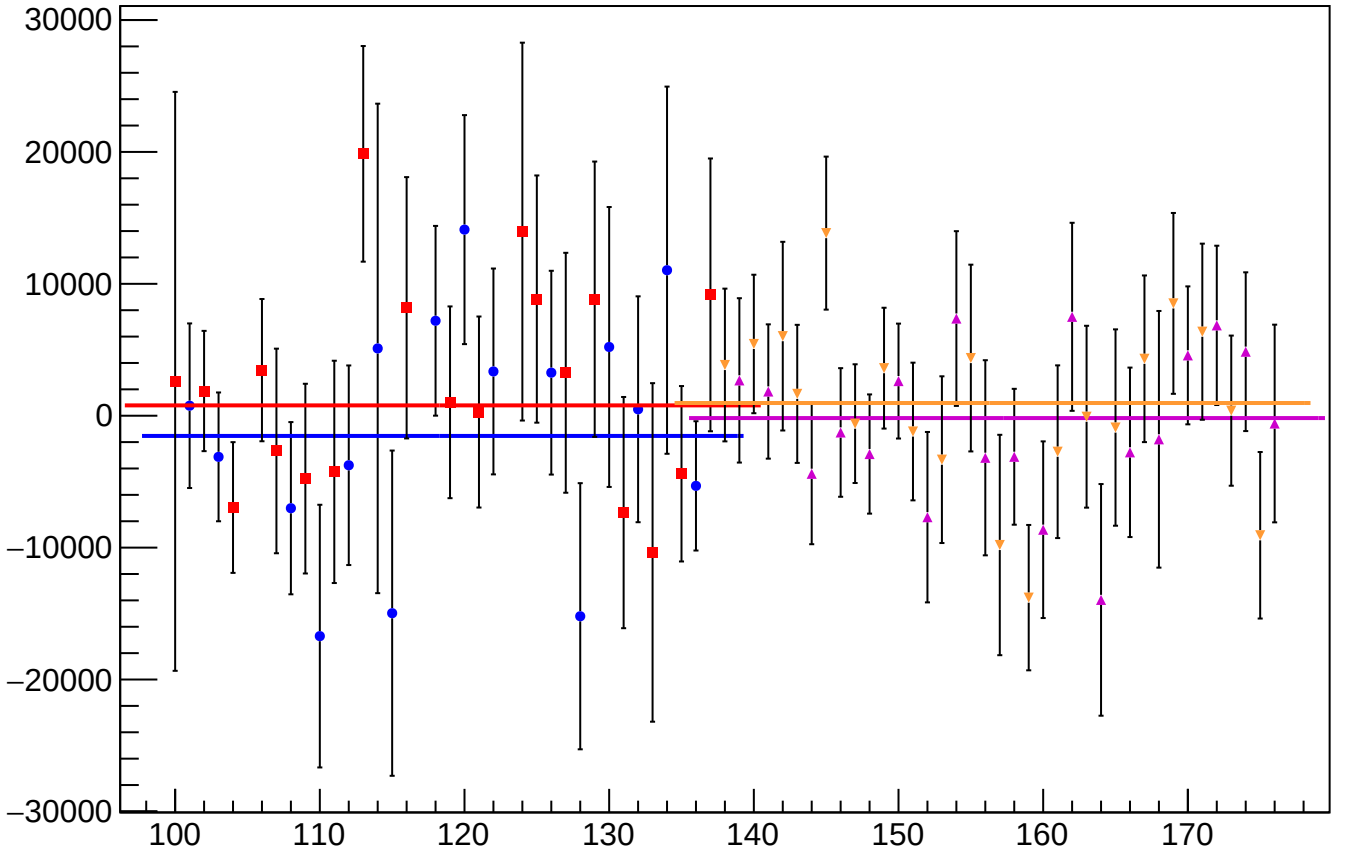
Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1579.889+/-0.284 χ^2/NDF:37721.5/18

+ sign 1605.299+/-0.237 χ^2/NDF: 344328.1/35

All: 1599.619+/-0.167 χ^2/NDF: 628932.0/73

- sign 1593.955+/-0.237 χ^2/NDF: 283456.3/37



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 964.172+/-1330.388 χ^2/NDF:21.7/19

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

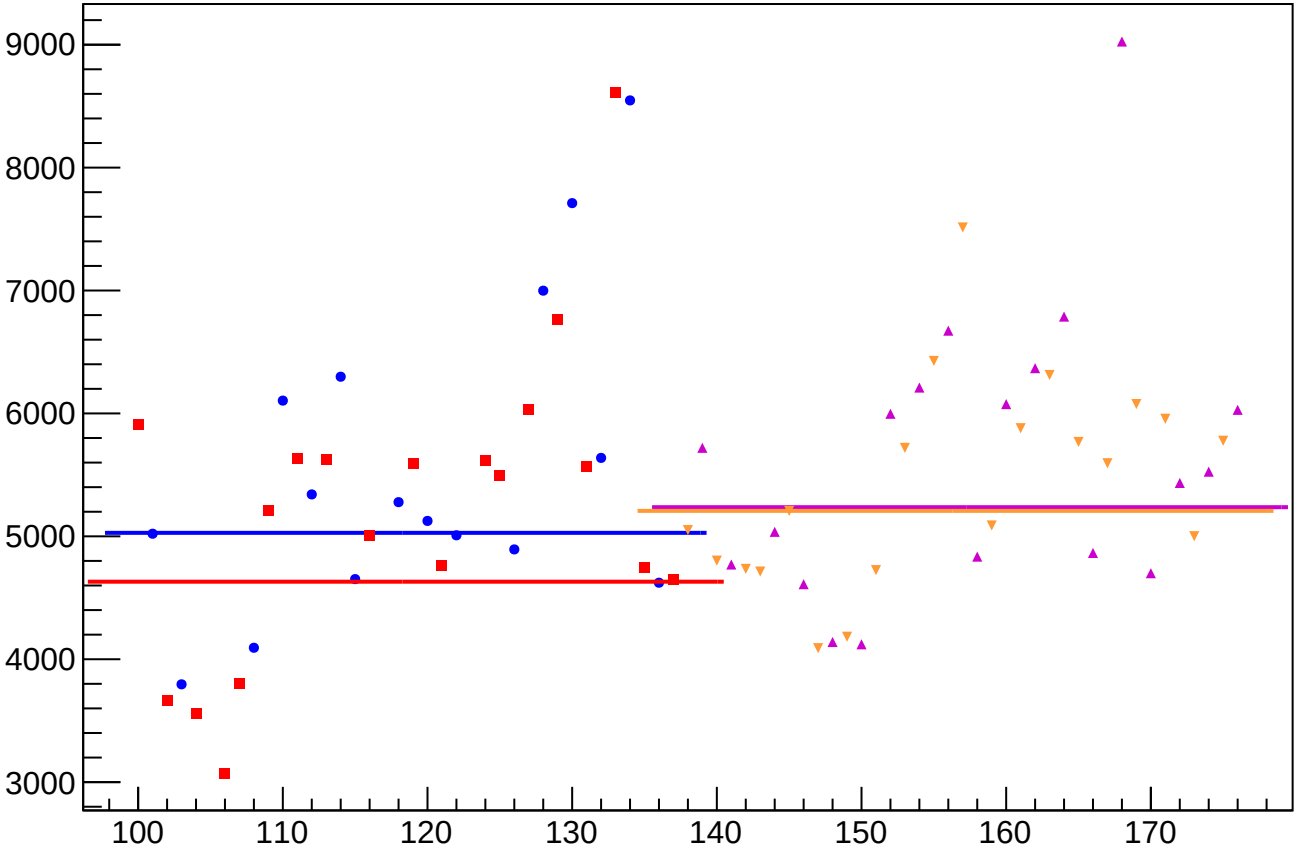
Left In: -178.026+/-1354.609 χ^2/NDF:13.3/18

\+ sign 150.882+/-1092.377 χ^2/NDF: 36.7/35

All: 167.199+/-764.706 χ^2/NDF: 65.2/73

\- sign 182.881+/-1070.861 χ^2/NDF: 28.5/37

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5207.276+/-0.941 χ^2/NDF:673583.3/19

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

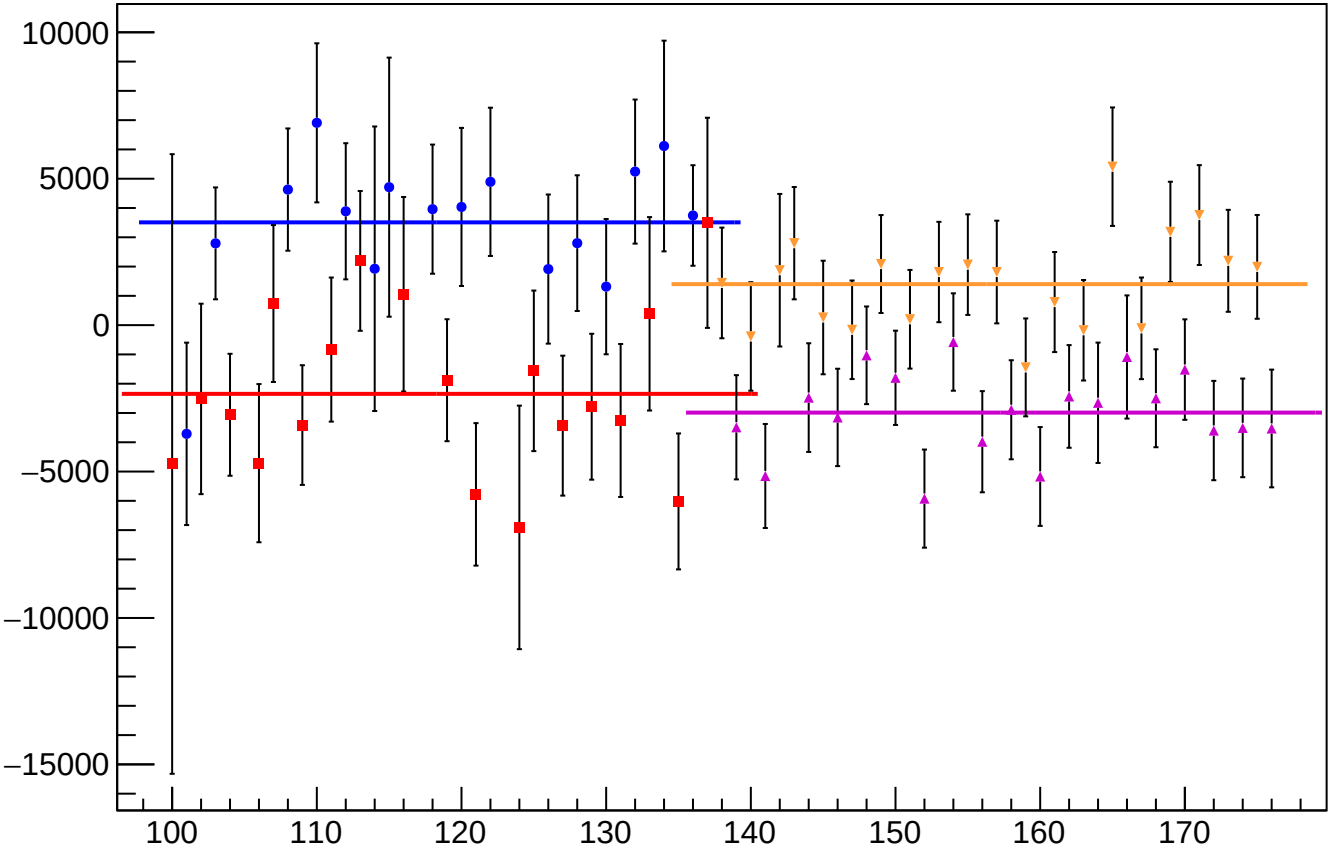
Left In: 5237.146+/-0.958 χ^2/NDF:976345.5/18

+ sign 5149.014+/-0.772 χ^2/NDF: 1250825.7/35

All: 5078.006+/-0.541 χ^2/NDF: 3257503.3/73

- sign 5009.767+/-0.757 χ^2/NDF: 1990105.4/37

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1400.327+/-399.210 χ^2/NDF:15.5/19

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

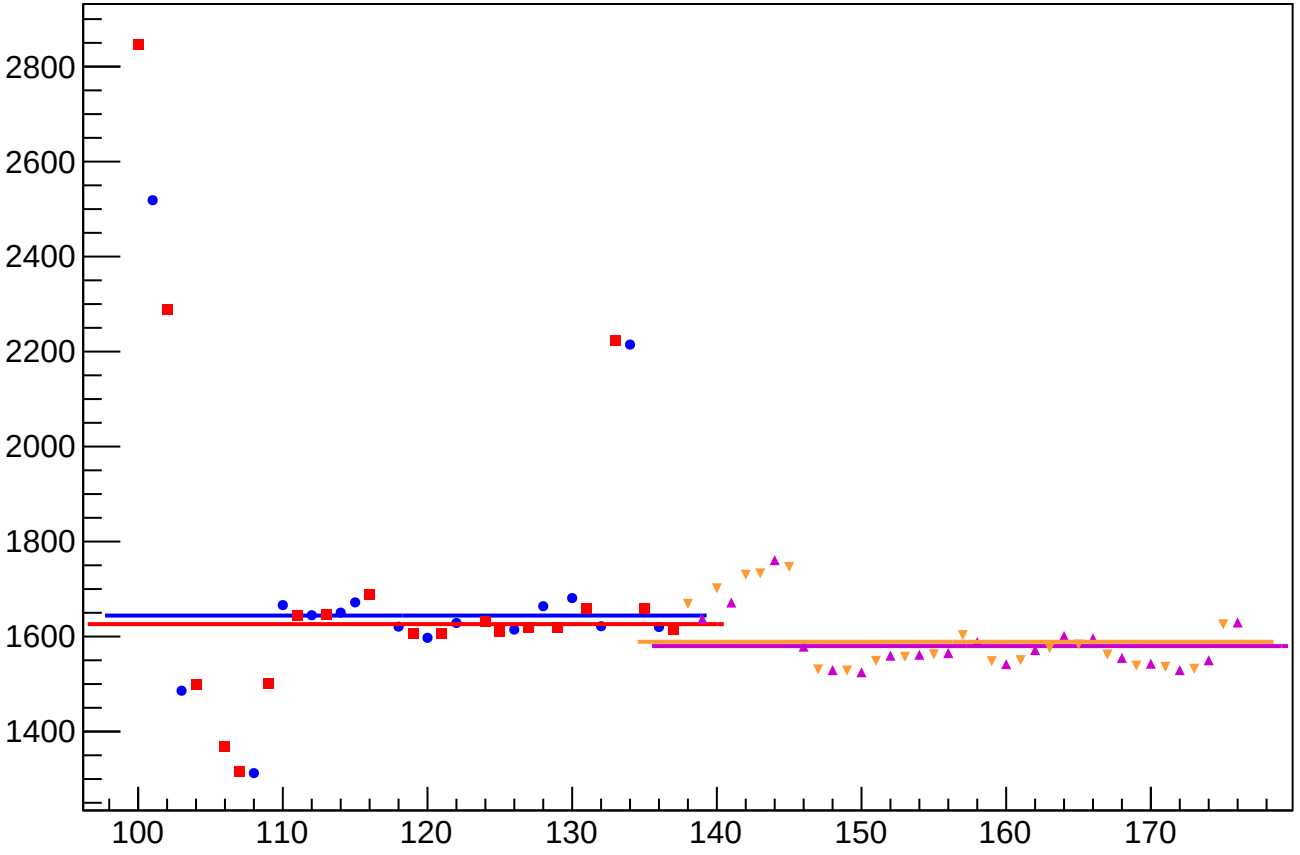
Left In: -2987.038+/-401.056 χ^2/NDF:12.8/18

+ sign 2023.130+/-335.127 χ^2/NDF: 34.1/35

All: -387.876+/-236.819 χ^2/NDF: 168.2/73

- sign -2792.721+/-334.698 χ^2/NDF: 30.7/37

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1589.002+/-0.282 χ^2/NDF:58220.1/19

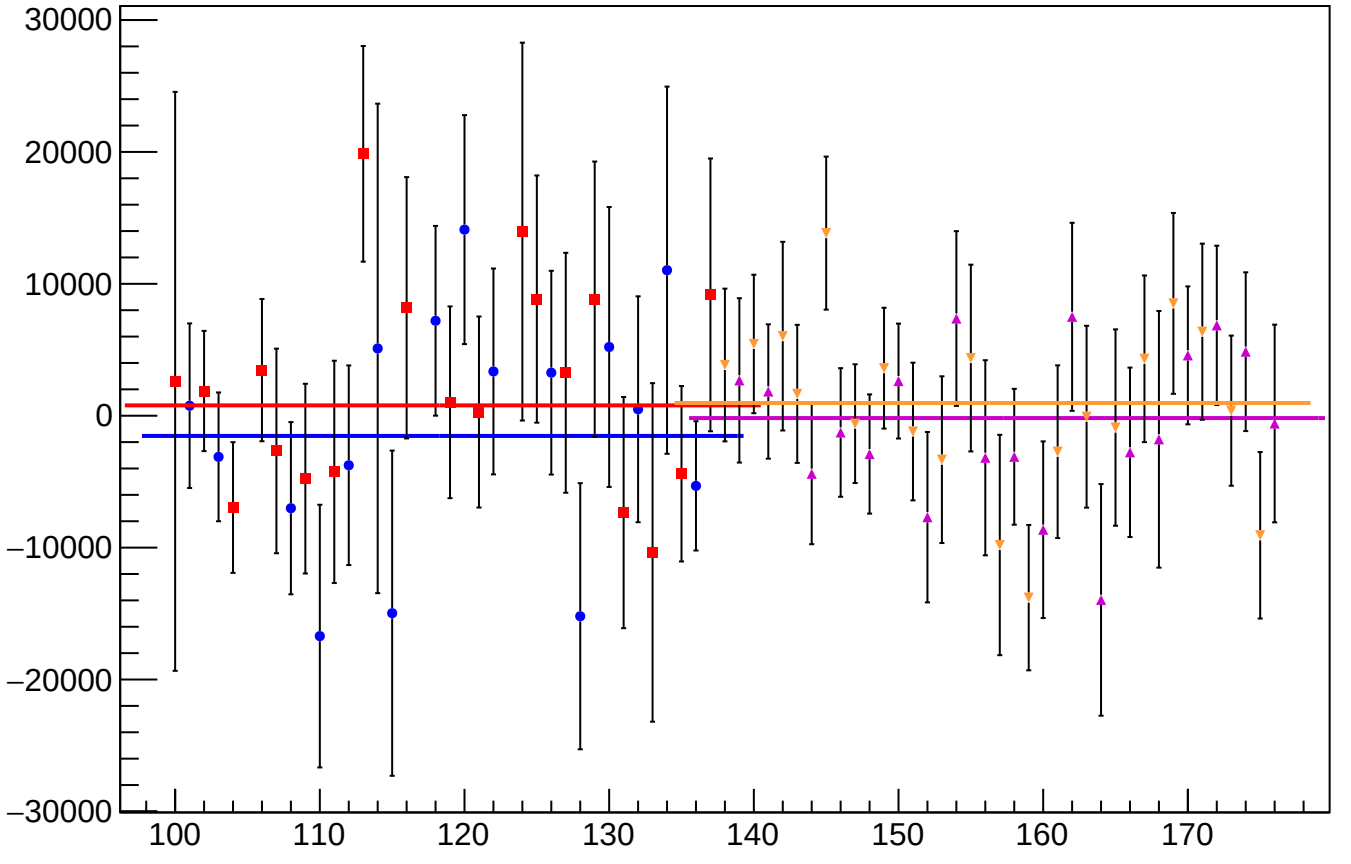
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1579.890+/-0.284 χ^2/NDF:37721.5/18

+ sign 1605.300+/-0.237 χ^2/NDF: 344327.8/35

All: 1599.619+/-0.167 χ^2/NDF: 628930.7/73

- sign 1593.956+/-0.237 χ^2/NDF: 283455.4/37



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 964.170+/-1330.390 χ^2/NDF:21.7/19

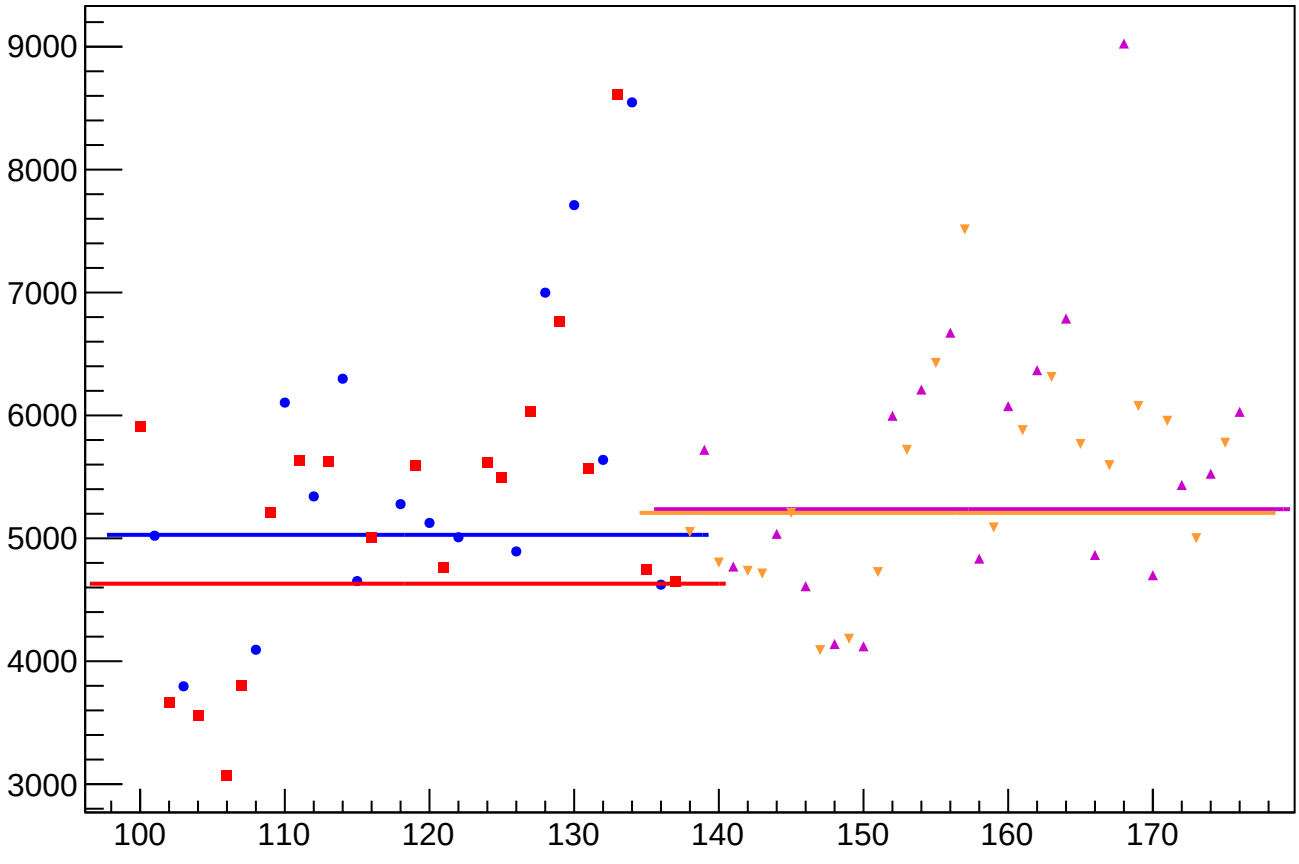
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -178.024+/-1354.612 χ^2/NDF:13.3/18

+ sign 150.881+/-1092.377 χ^2/NDF: 36.7/35

All: 167.200+/-764.707 χ^2/NDF: 65.2/73

- sign 182.883+/-1070.861 χ^2/NDF: 28.5/37



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5207.285+/-0.941 χ^2/NDF:673583.8/19

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

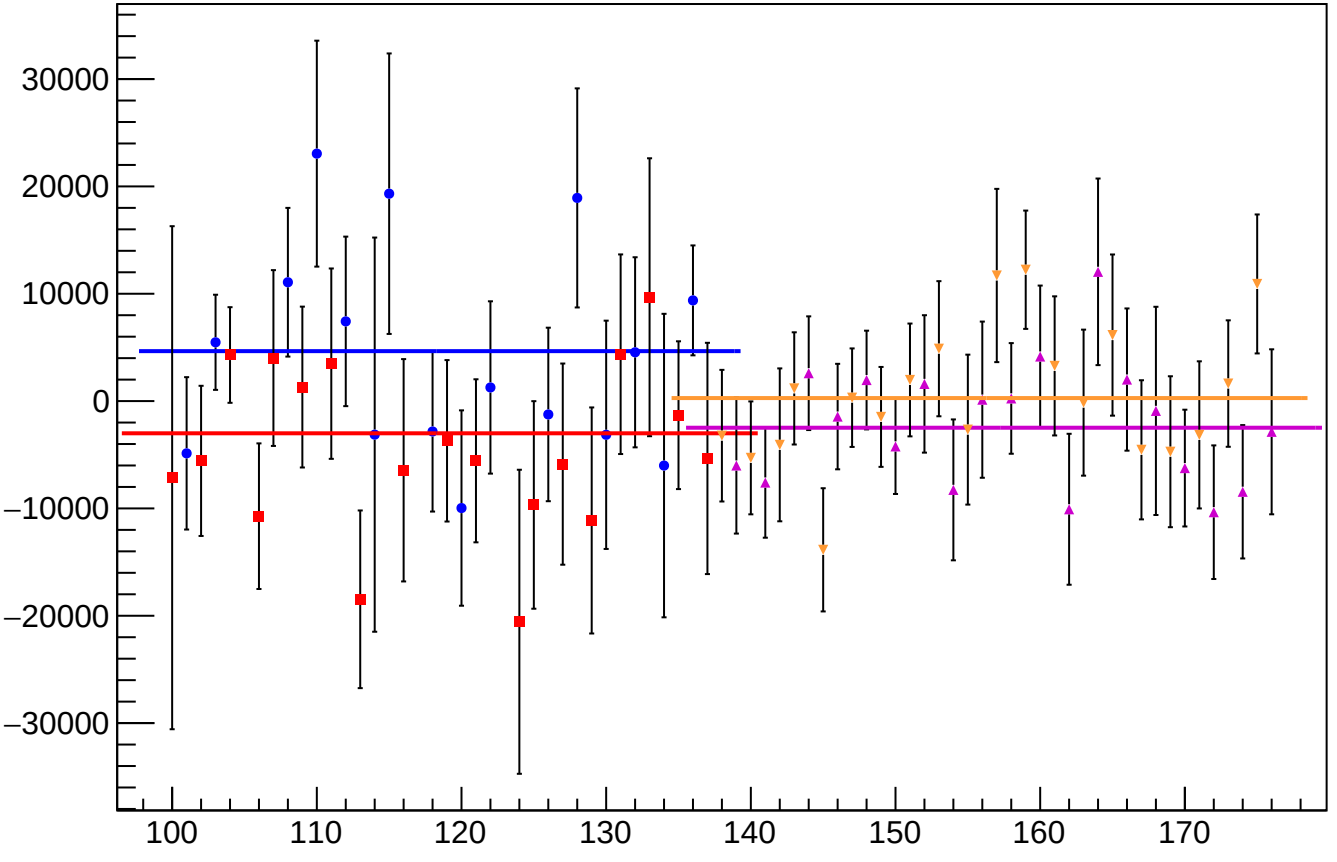
Left In: 5237.154+/-0.958 χ^2/NDF:976347.3/18

+ sign 5149.018+/-0.772 χ^2/NDF: 1250822.0/35

All: 5078.009+/-0.541 χ^2/NDF: 3257503.3/73

- sign 5009.769+/-0.757 χ^2/NDF: 1990108.7/37

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 280.747+/-1342.981 χ^2/NDF:20.5/19

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

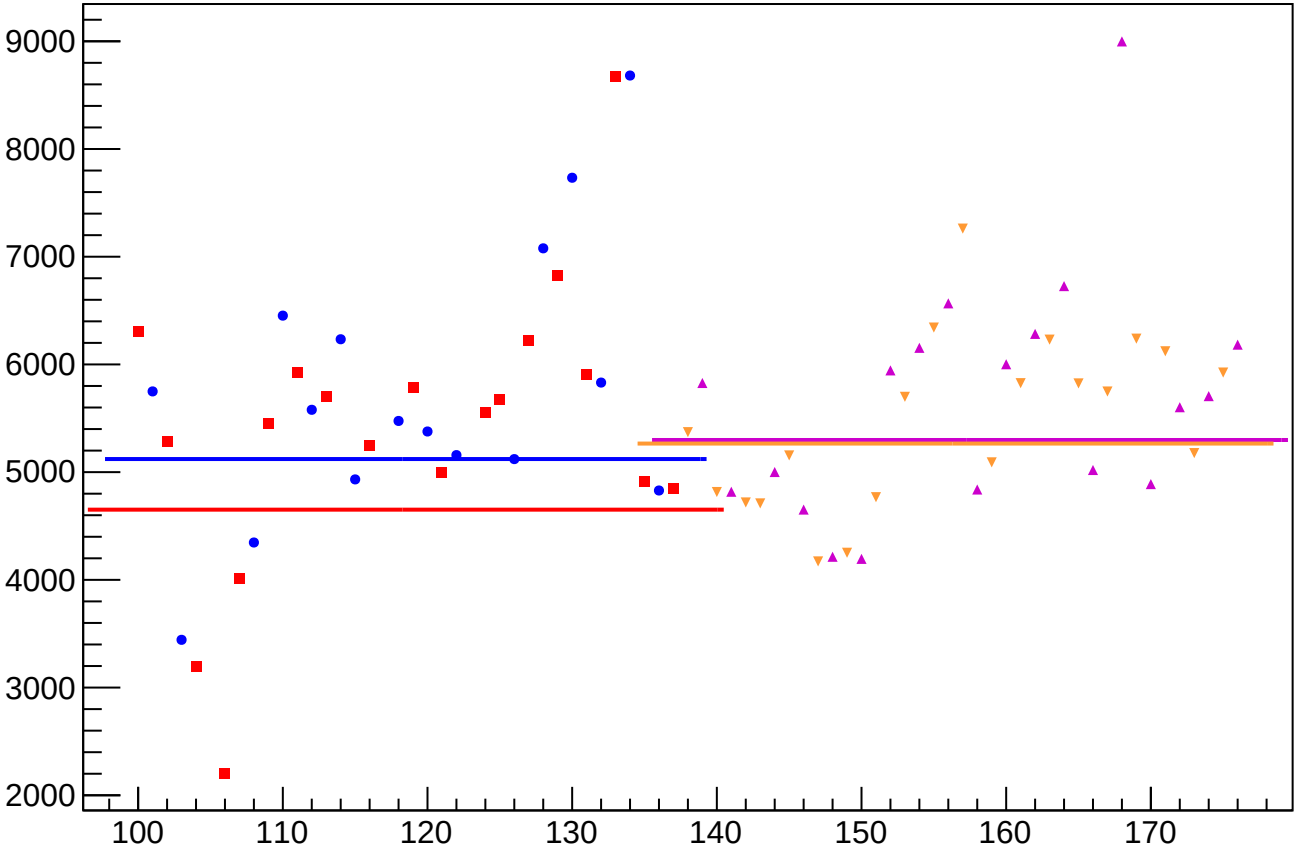
Left In: -2482.272+/-1368.040 χ^2/NDF:13.4/18

+ sign 1679.152+/-1107.592 χ^2/NDF: 39.4/35

All: -492.838+/-782.885 χ^2/NDF: 74.4/73

- sign -2661.497+/-1106.742 χ^2/NDF: 27.3/37

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5265.283+/-0.950 χ^2/NDF:626414.5/19

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

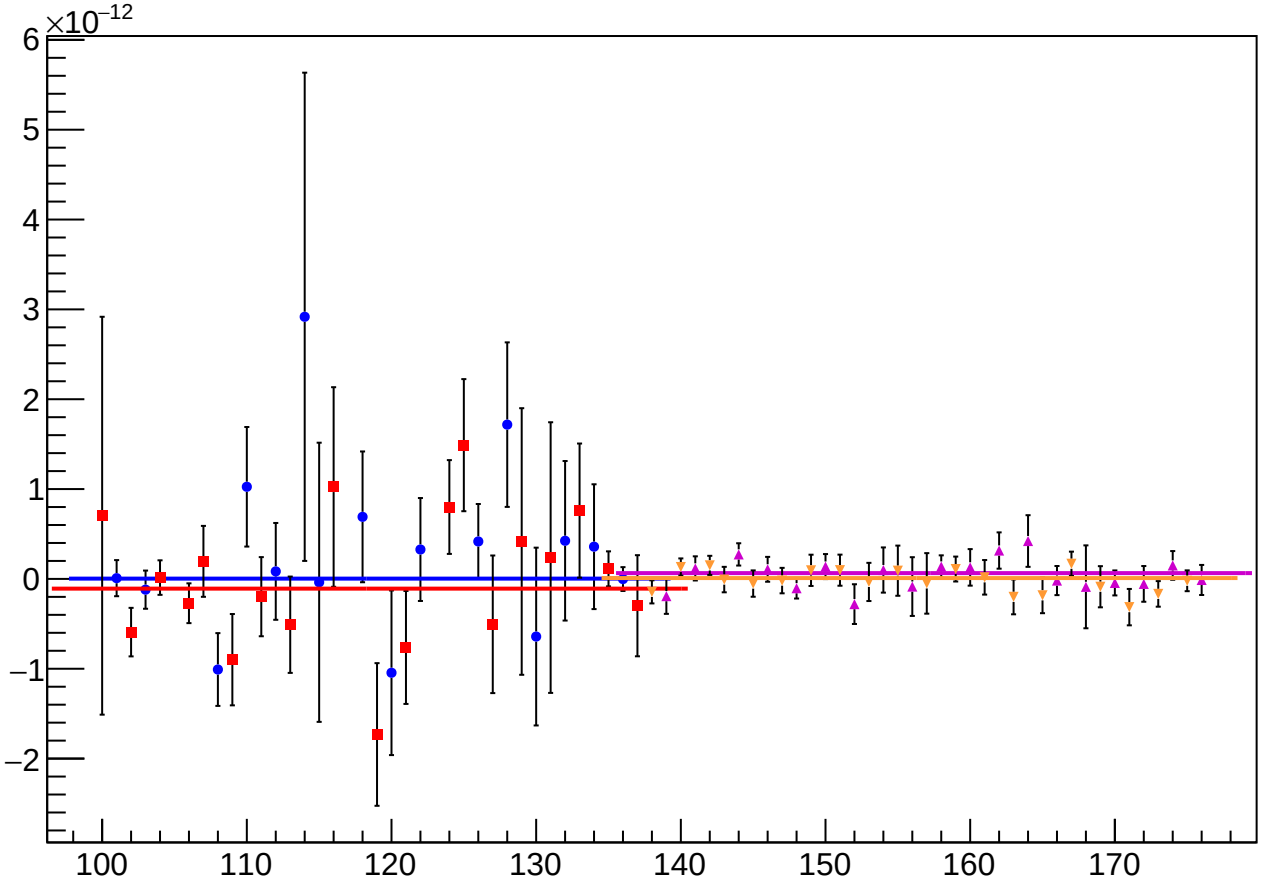
Left In: 5298.448+/-0.967 χ^2/NDF:900219.8/18

+ sign 5219.343+/-0.783 χ^2/NDF: 1354101.8/35

All: 5140.249+/-0.550 χ^2/NDF: 3781716.0/73

- sign 5063.433+/-0.772 χ^2/NDF: 2407509.9/37

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:14.1/19

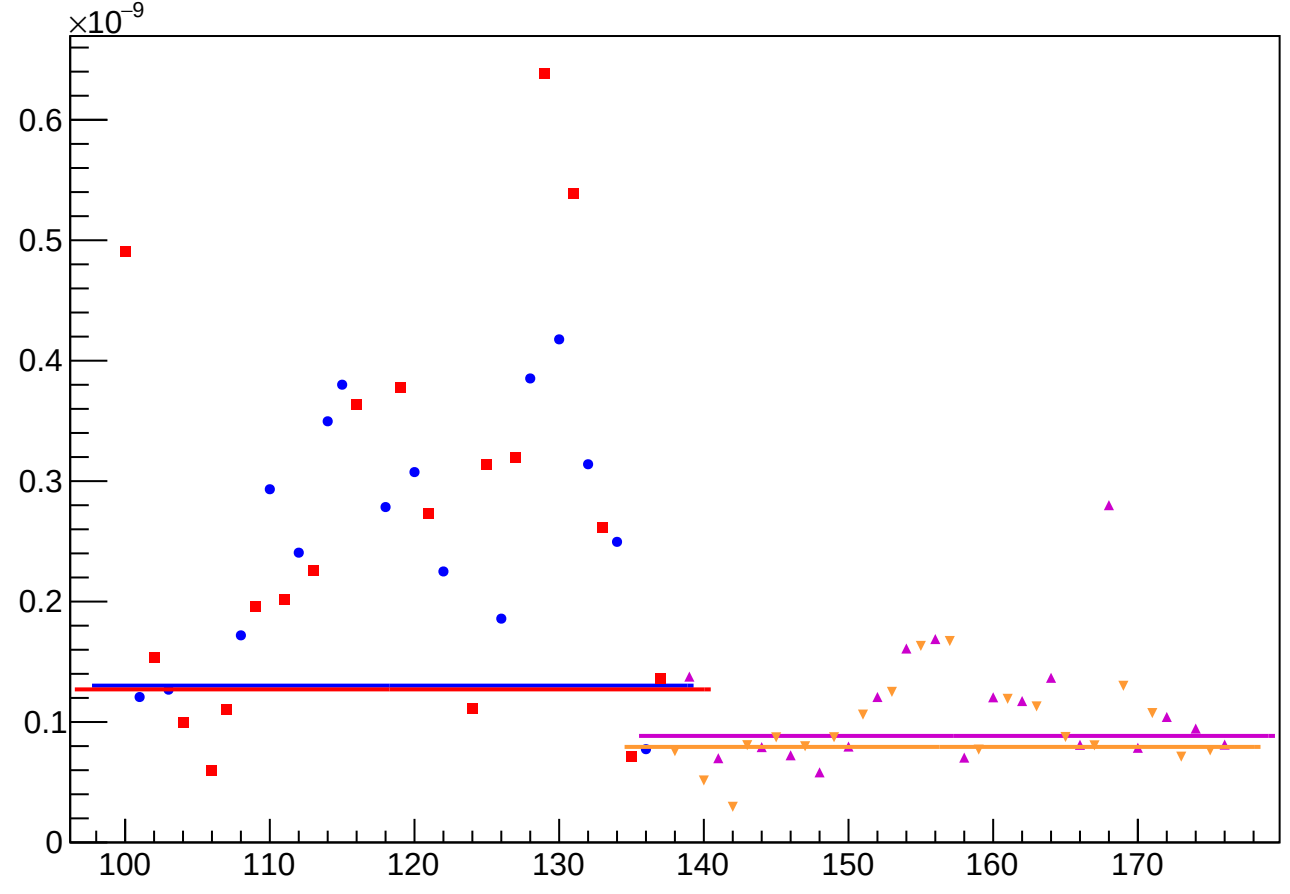
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 32.1/35

All: 0.000+/-0.000 χ^2/NDF: 76.0/73

- sign 0.000+/-0.000 χ^2/NDF: 43.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1370050.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

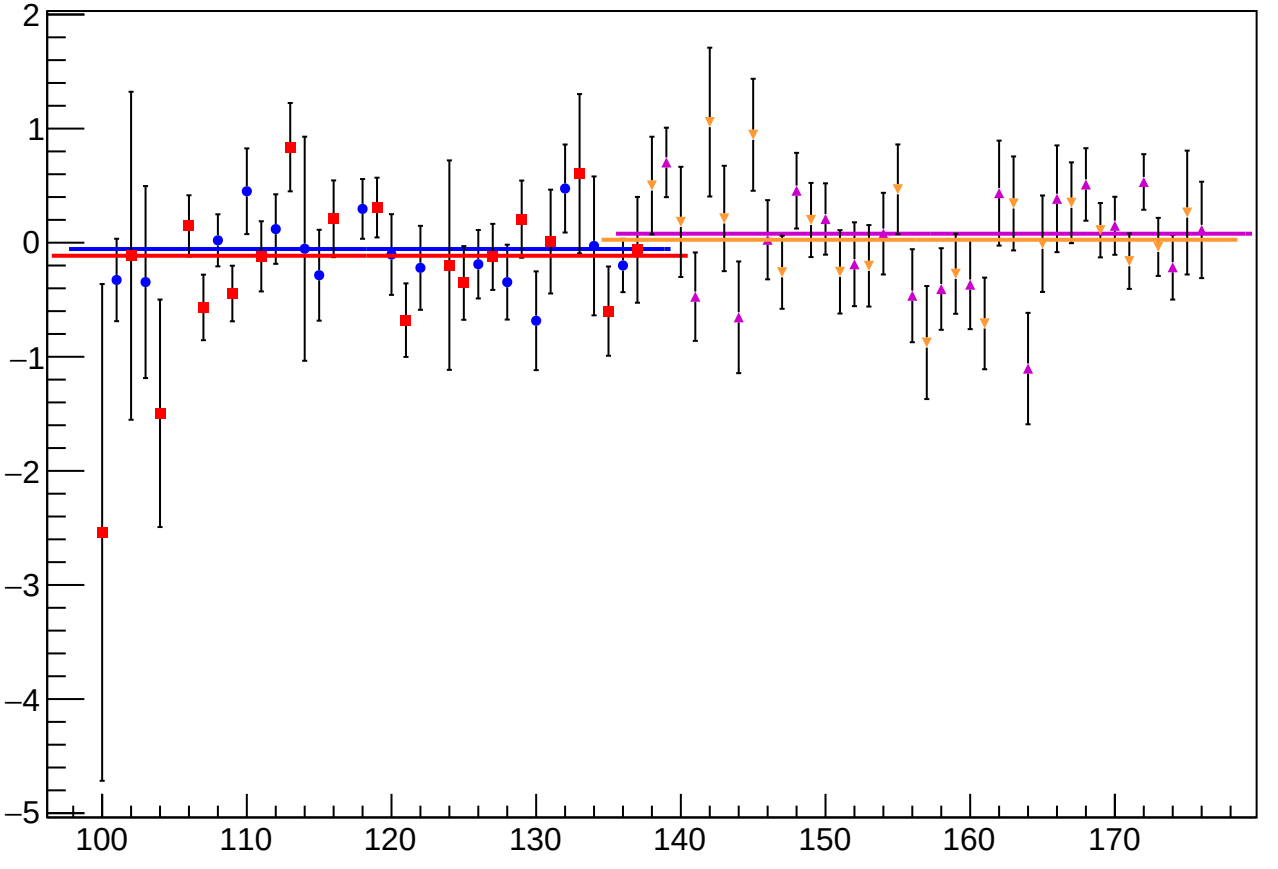
Left In: 0.000+/-0.000 χ^2/NDF:1244994.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 3298754.8/35

All: 0.000+/-0.000 χ^2/NDF: 6654018.8/73

- sign 0.000+/-0.000 χ^2/NDF: 3294279.7/37

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.026+/-0.081 χ^2/NDF:20.7/19

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

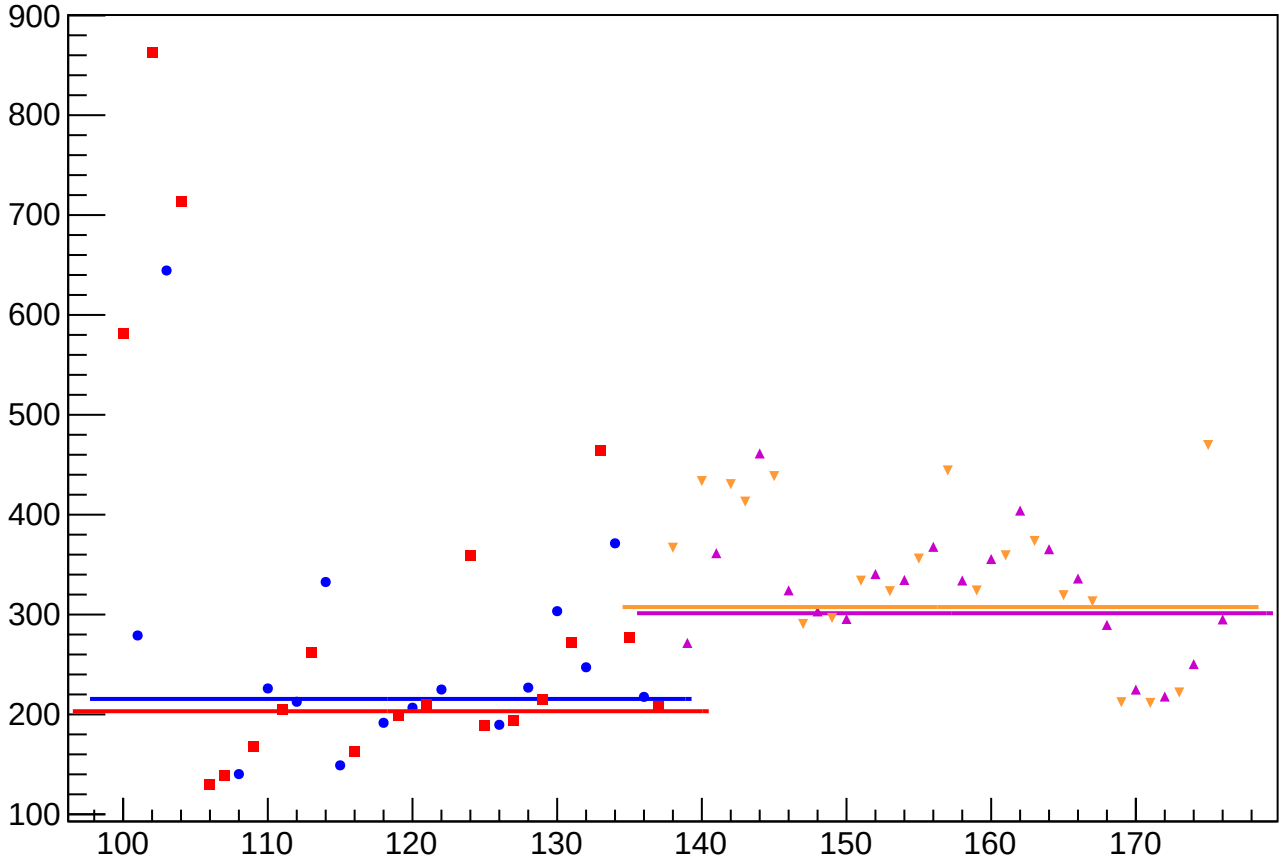
Left In: 0.079+/-0.079 χ^2/NDF:28.8/18

+ sign -0.013+/-0.059 χ^2/NDF: 31.8/35

All: -0.013+/-0.041 χ^2/NDF: 88.6/73

- sign -0.013+/-0.057 χ^2/NDF: 56.8/37

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: 307.496+/-0.057 χ^2/NDF:1827239.1/19

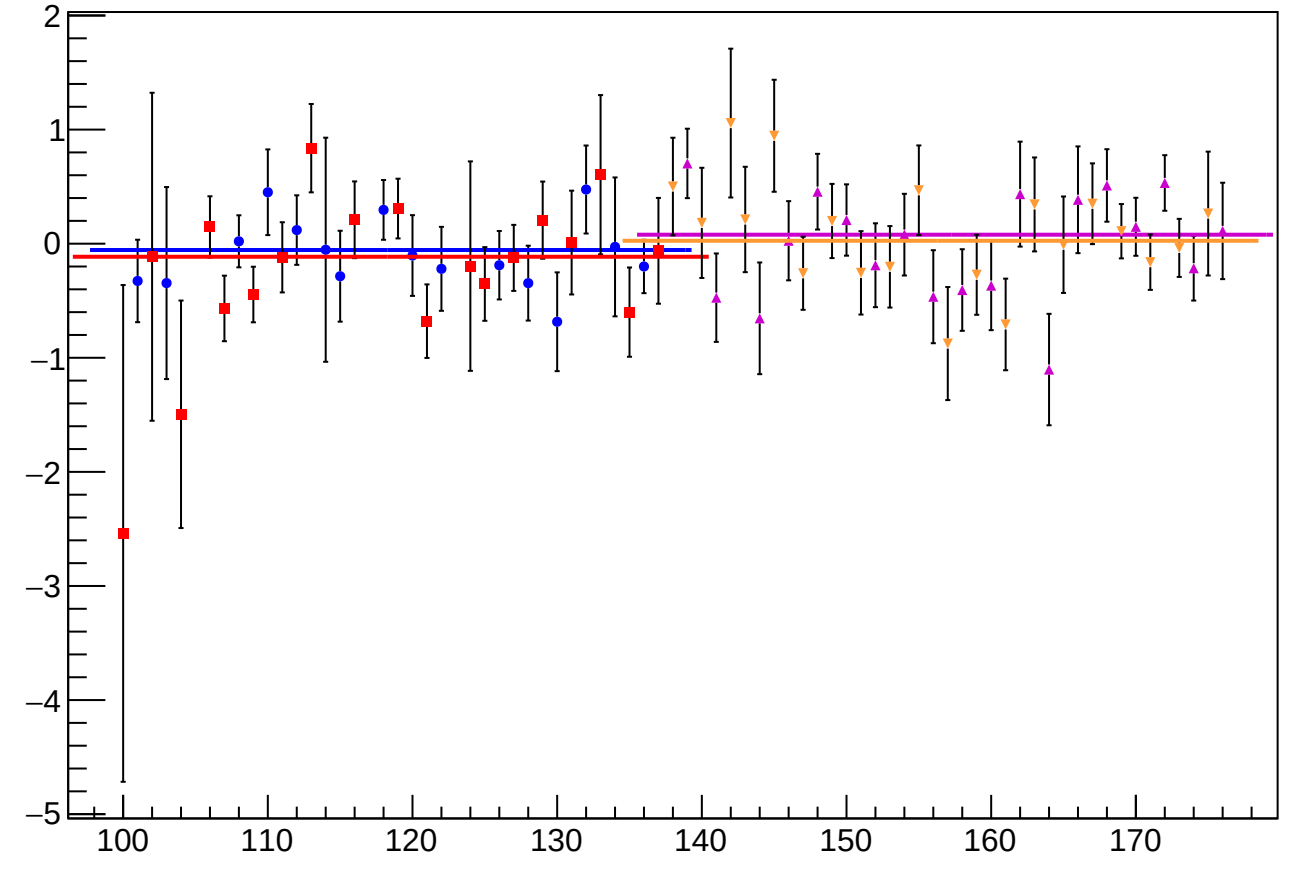
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.333+/-0.056 χ^2/NDF:1067574.3/18

+ sign 264.105+/-0.042 χ^2/NDF: 4199436.7/35

All: 259.236+/-0.029 χ^2/NDF: 8585248.2/73

- sign 254.575+/-0.041 χ^2/NDF: 4358888.5/37



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.026+/-0.081 χ^2/NDF:20.7/19

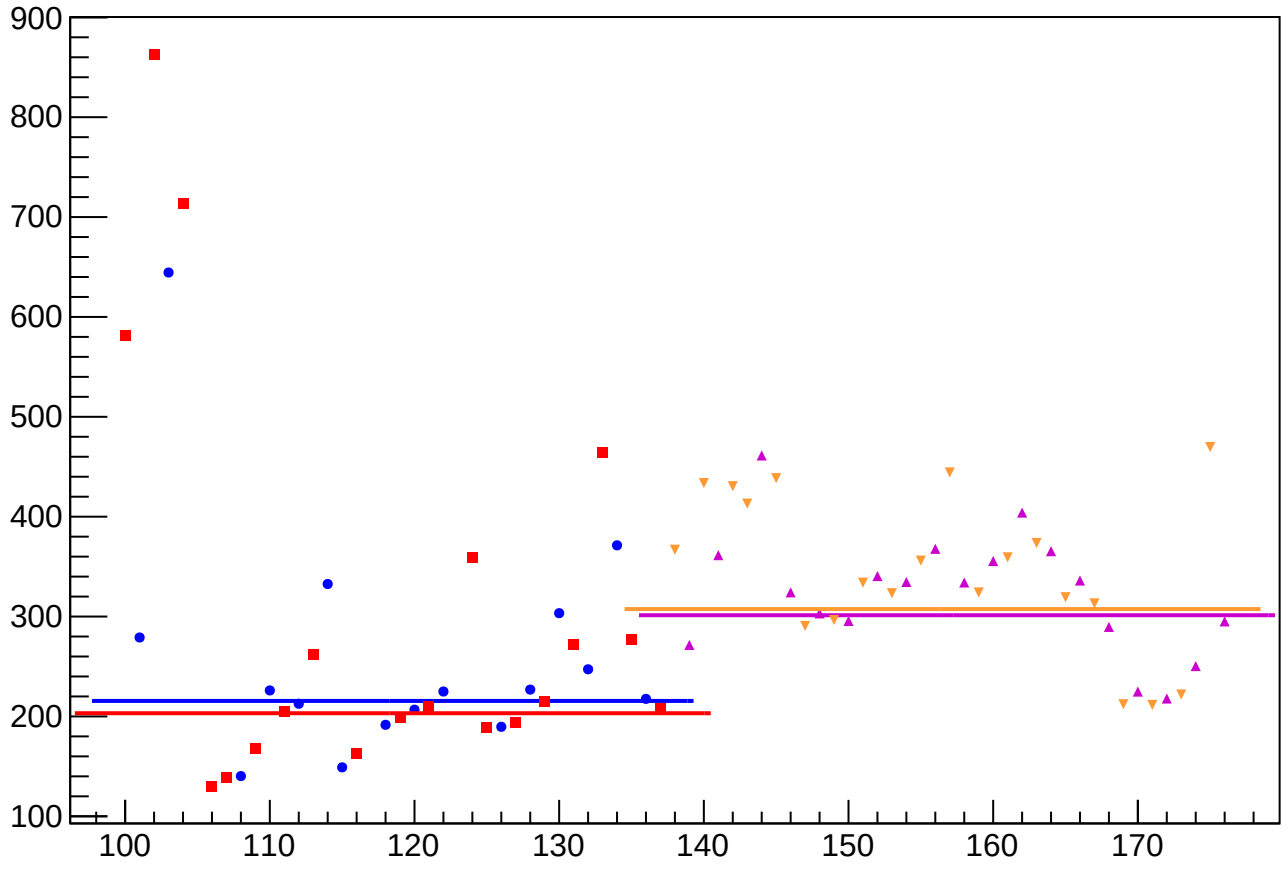
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.079+/-0.079 χ^2/NDF:28.8/18

\+ sign -0.013+/-0.059 χ^2/NDF: 31.8/35

All: -0.013+/-0.041 χ^2/NDF: 88.6/73

\- sign -0.013+/-0.057 χ^2/NDF: 56.8/37



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 307.496+/-0.057 χ^2/NDF:1827239.1/19

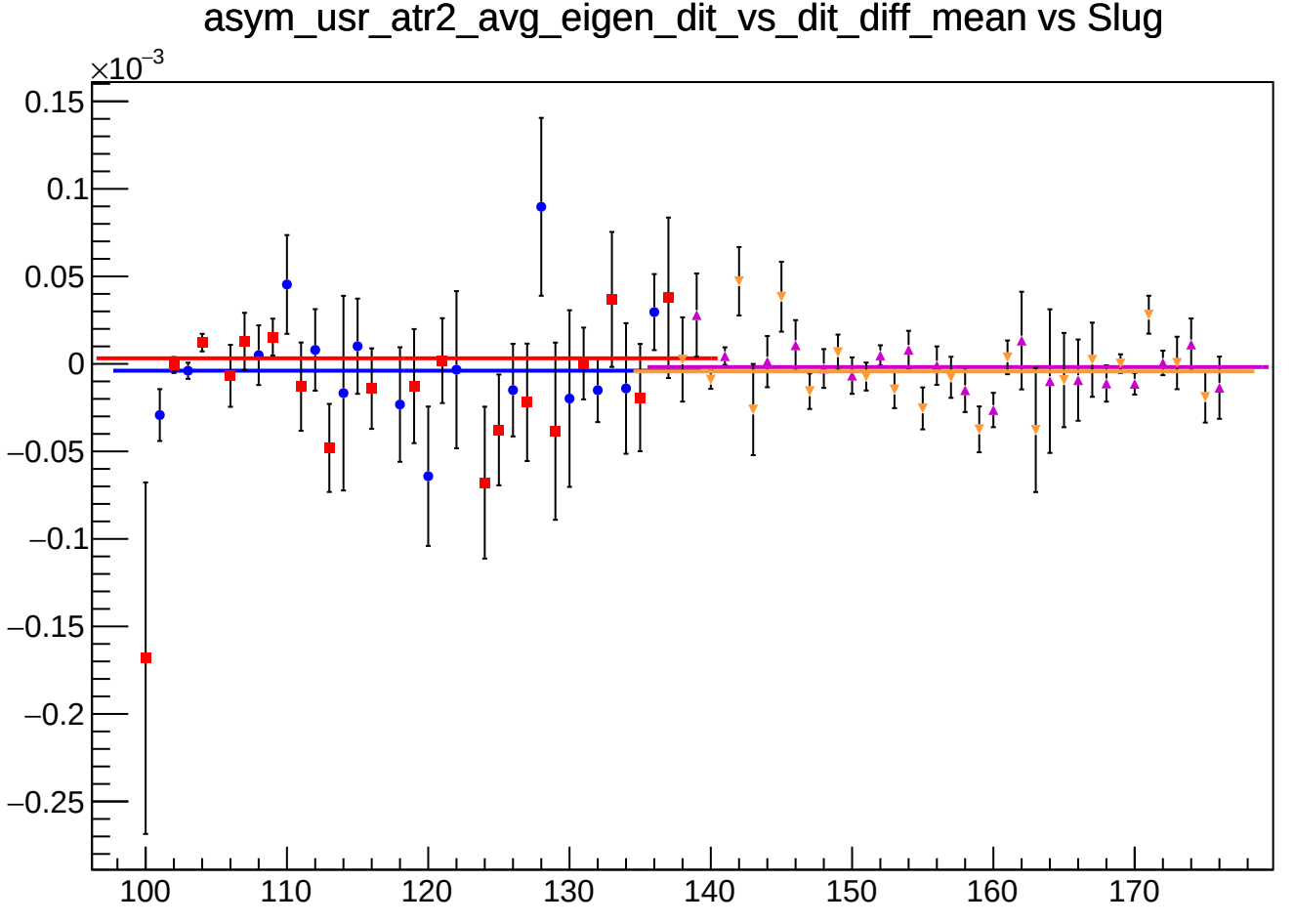
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.333+/-0.056 χ^2/NDF:1067574.3/18

+ sign 264.105+/-0.042 χ^2/NDF: 4199436.7/35

All: 259.236+/-0.029 χ^2/NDF: 8585248.2/73

- sign 254.575+/-0.041 χ^2/NDF: 4358888.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.6/19

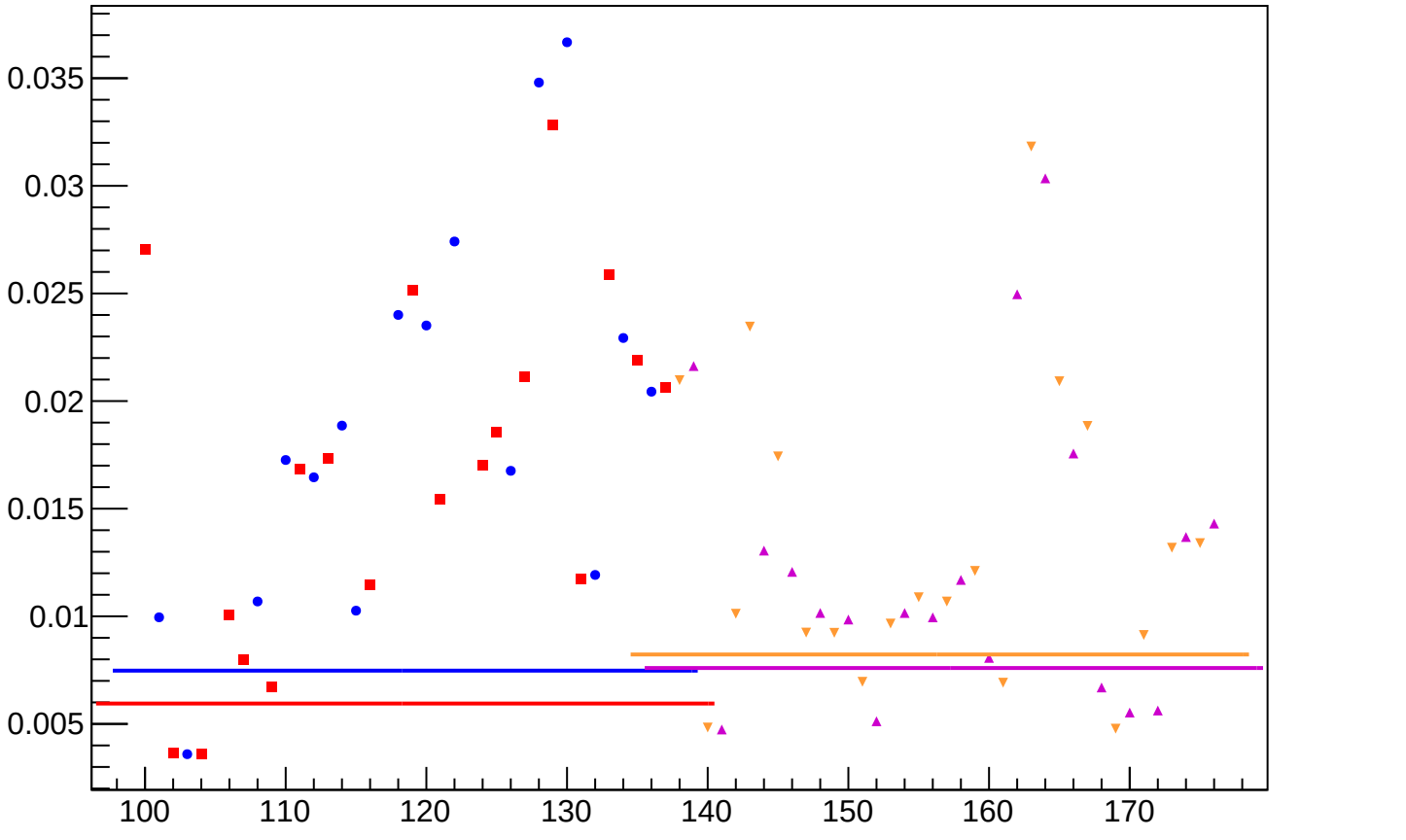
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/35

All: -0.000+/-0.000 χ^2/NDF: 99.2/73

- sign 0.000+/-0.000 χ^2/NDF: 42.1/37



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:6195256.3/19

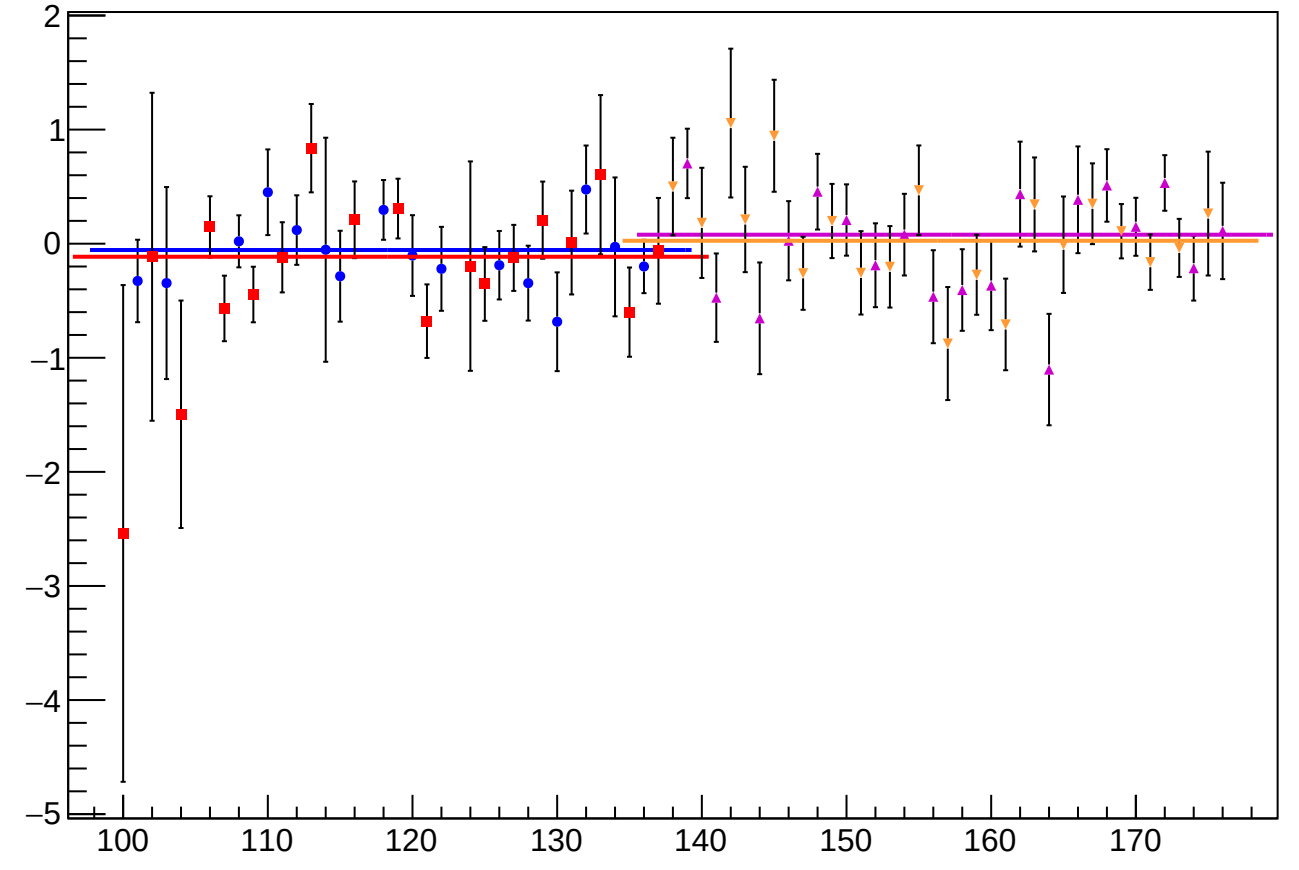
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:5571622.9/18

+ sign 0.008+/-0.000 χ^2/NDF: 12327773.3/35

All: 0.007+/-0.000 χ^2/NDF: 24536550.3/73

- sign 0.007+/-0.000 χ^2/NDF: 11911420.7/37



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.026+/-0.081 χ^2/NDF:20.7/19

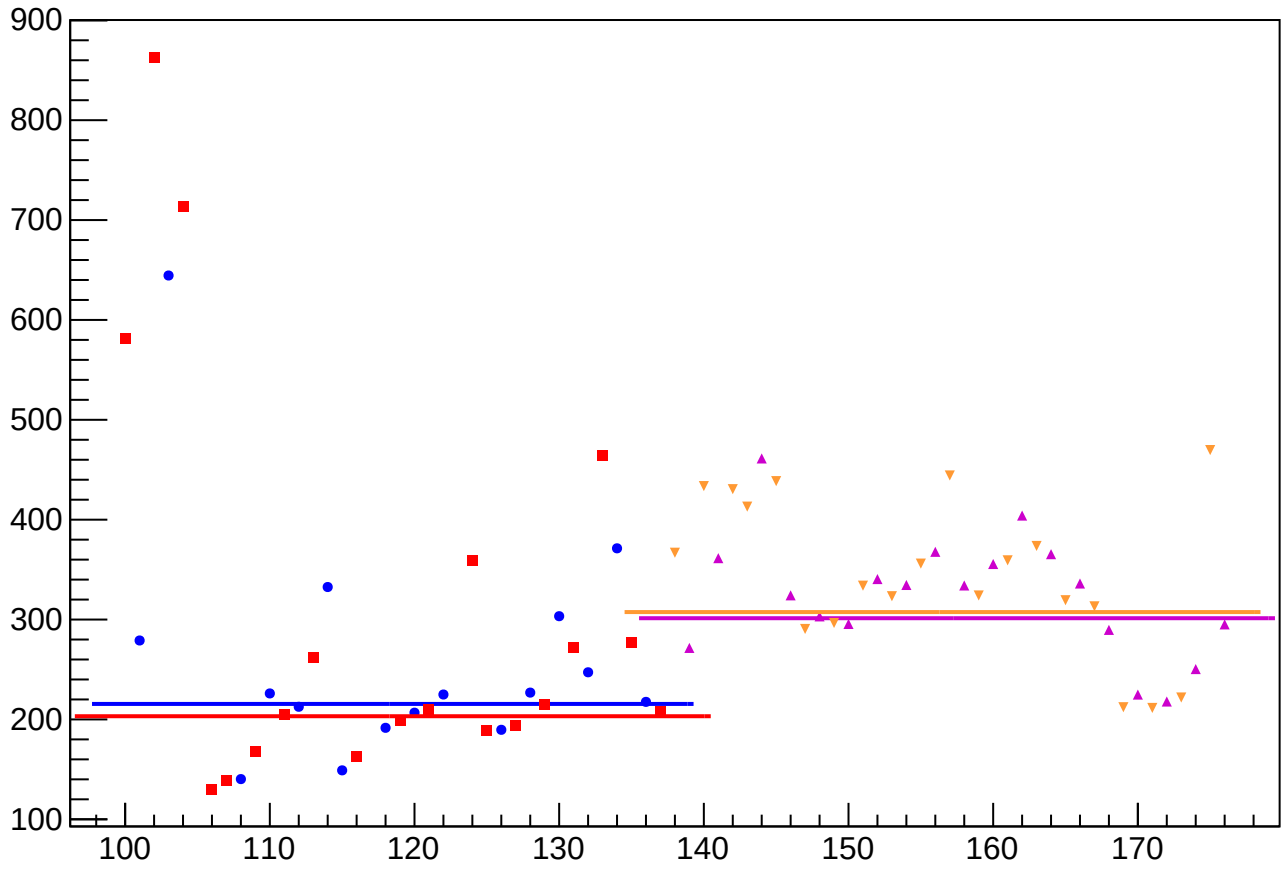
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.079+/-0.079 χ^2/NDF:28.8/18

+ sign -0.013+/-0.059 χ^2/NDF: 31.8/35

All: -0.013+/-0.041 χ^2/NDF: 88.6/73

- sign -0.013+/-0.057 χ^2/NDF: 56.8/37



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 307.499+/-0.057 χ^2/NDF:1827329.9/19

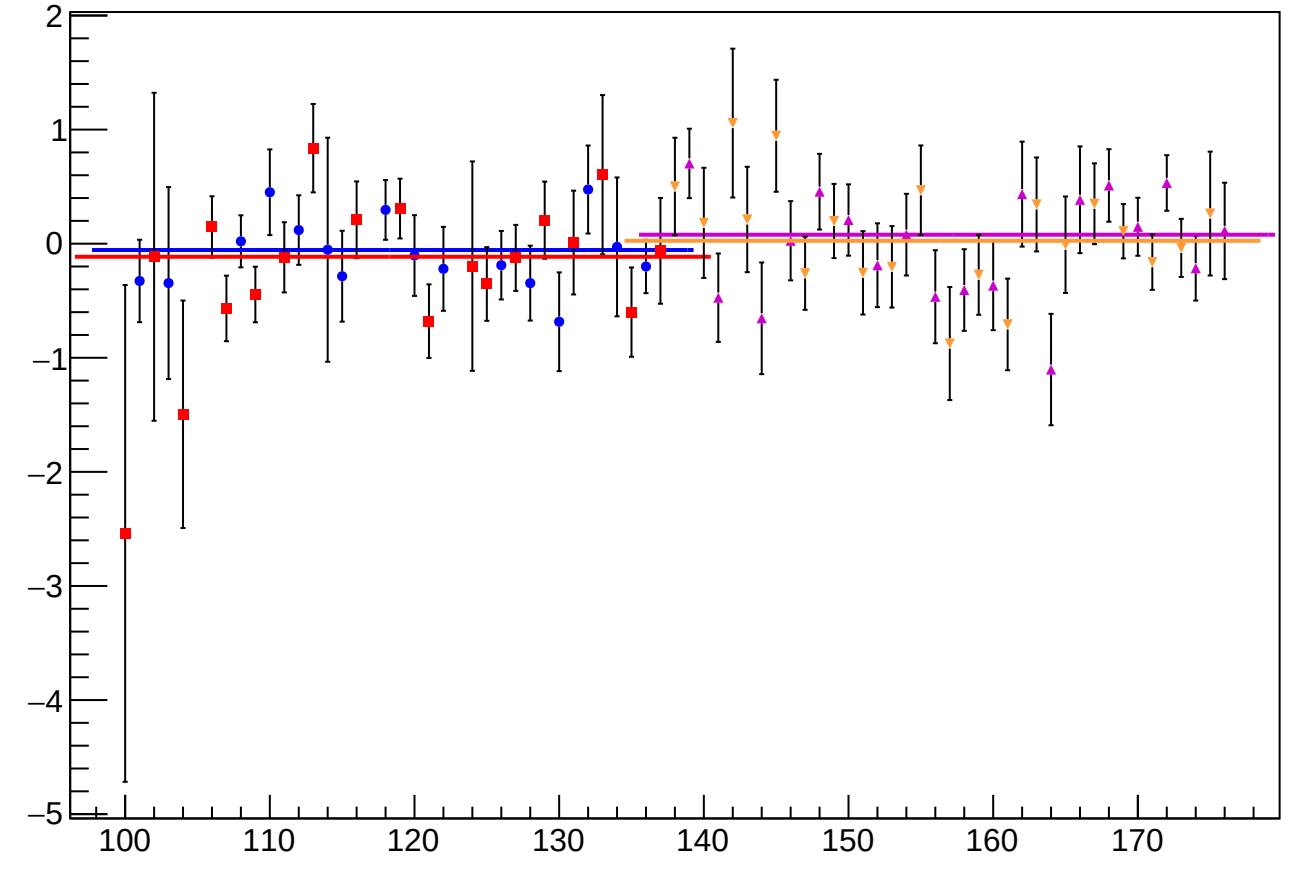
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.336+/-0.056 χ^2/NDF:1067625.8/18

+ sign 264.105+/-0.042 χ^2/NDF: 4199606.4/35

All: 259.237+/-0.029 χ^2/NDF: 8585592.7/73

- sign 254.575+/-0.041 χ^2/NDF: 4359063.1/37



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.026+/-0.081 χ^2/NDF:20.7/19

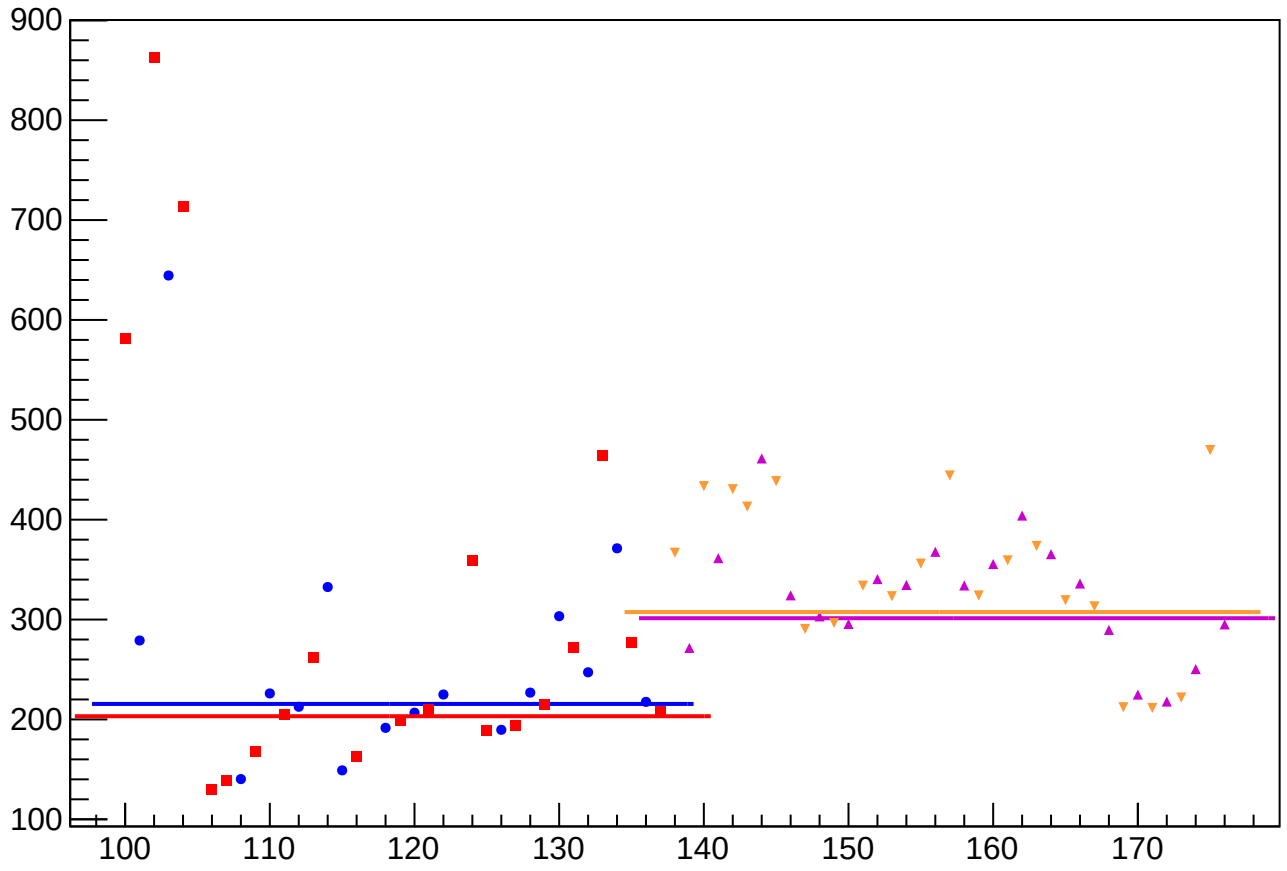
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.079+/-0.079 χ^2/NDF:28.8/18

\+ sign -0.013+/-0.059 χ^2/NDF: 31.8/35

All: -0.013+/-0.041 χ^2/NDF: 88.6/73

\- sign -0.013+/-0.057 χ^2/NDF: 56.8/37



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 307.499+/-0.057 χ^2/NDF:1827329.9/19

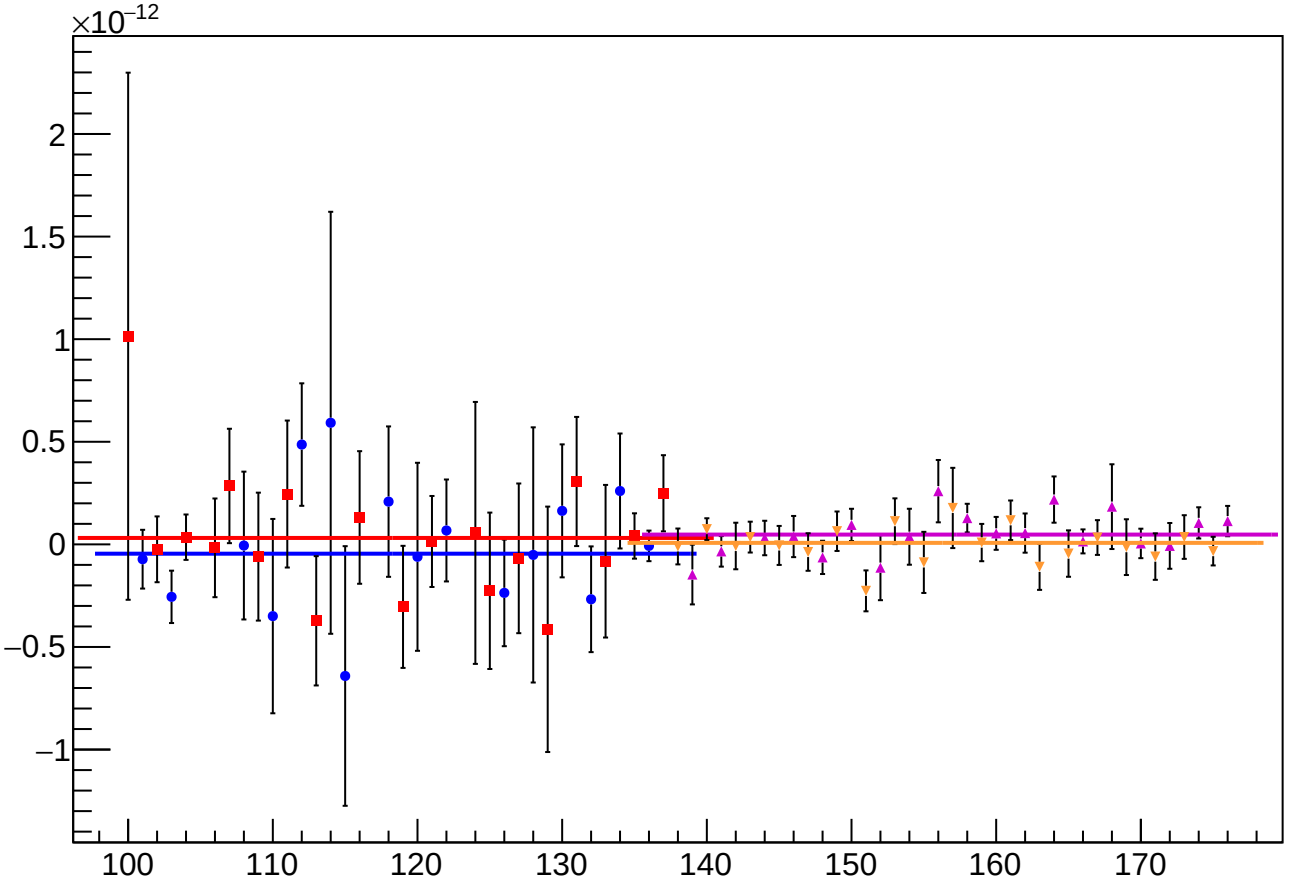
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.336+/-0.056 χ^2/NDF:1067625.8/18

+ sign 264.105+/-0.042 χ^2/NDF: 4199606.4/35

All: 259.237+/-0.029 χ^2/NDF: 8585592.7/73

- sign 254.575+/-0.041 χ^2/NDF: 4359063.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/19

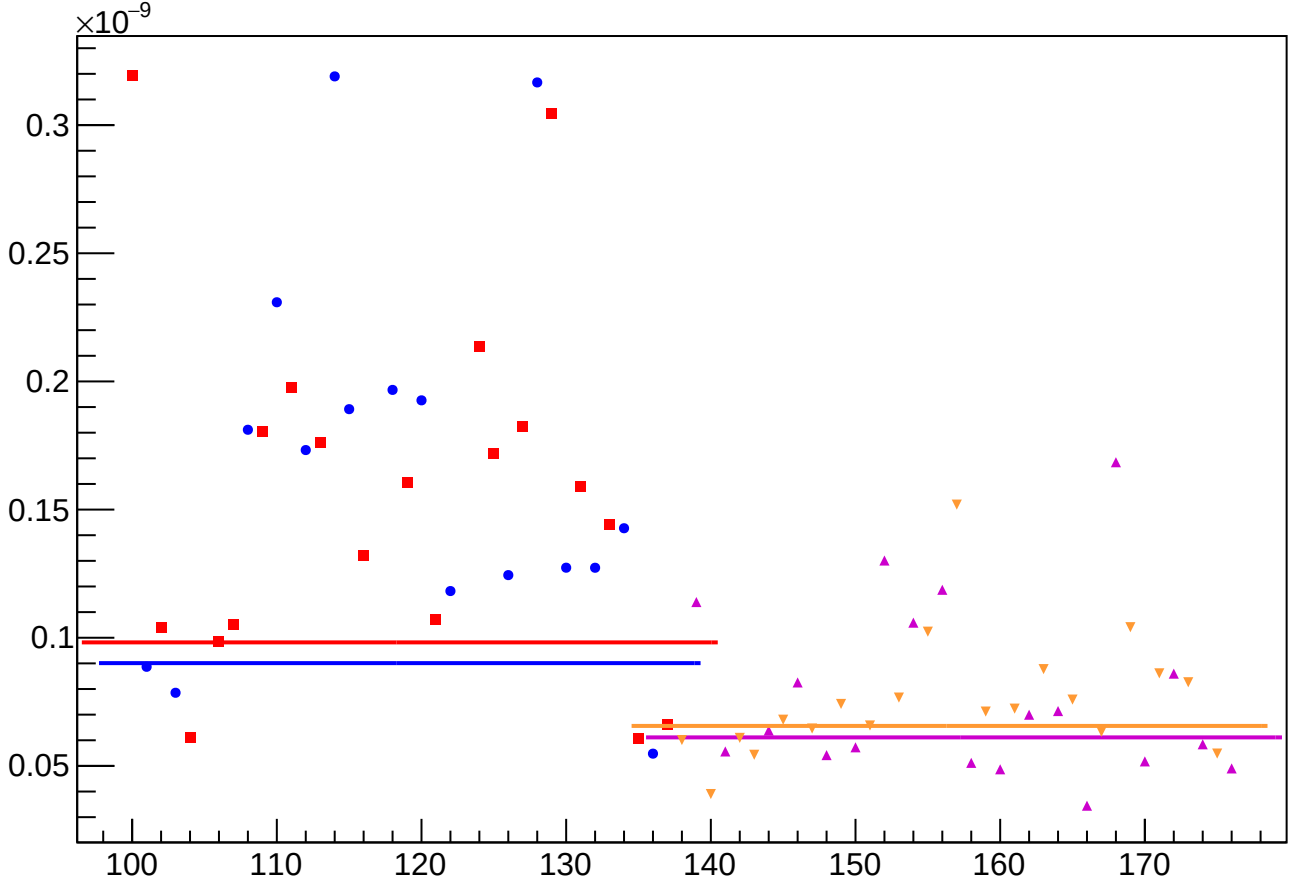
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 25.8/35

All: 0.000+/-0.000 χ^2/NDF: 51.8/73

- sign 0.000+/-0.000 χ^2/NDF: 23.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1545323.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

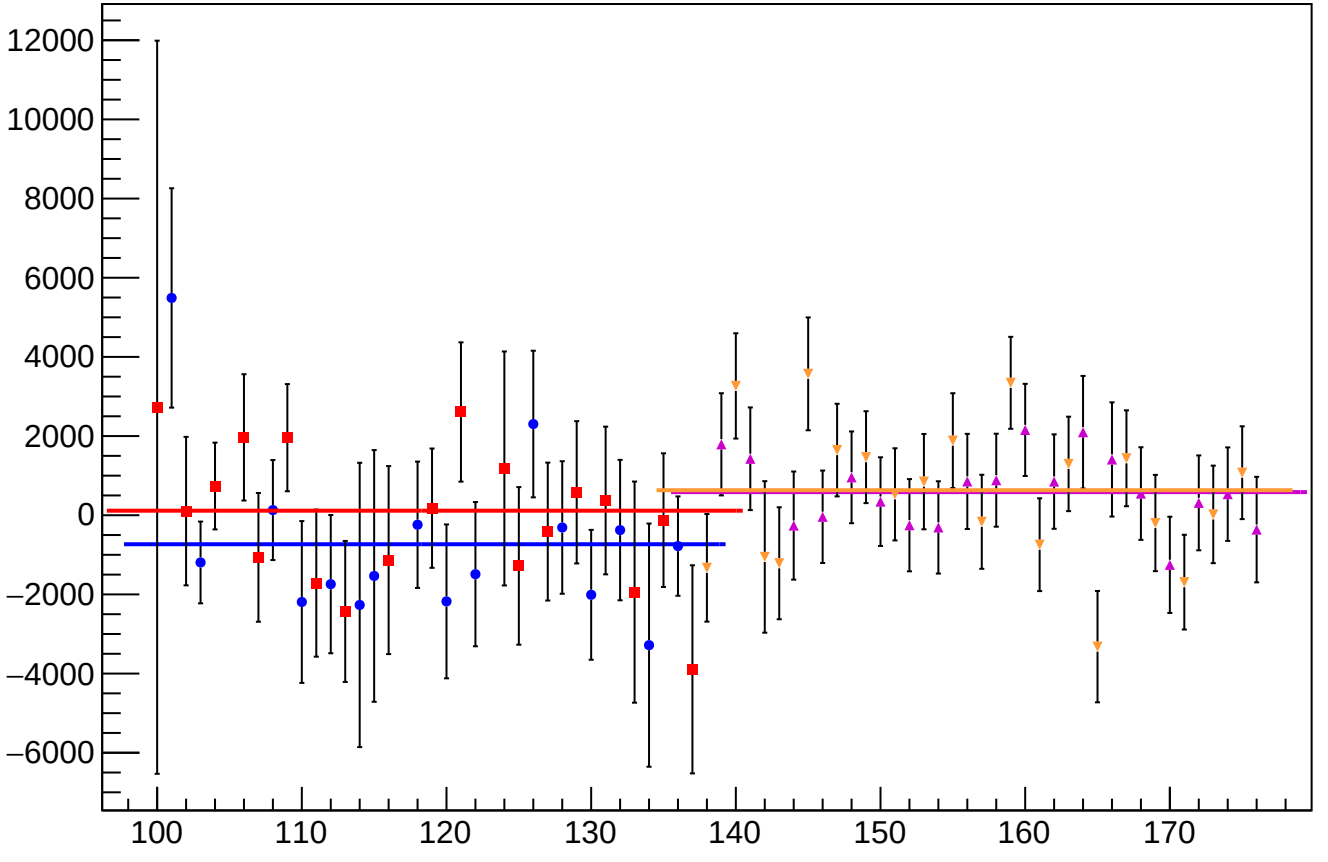
Left In: 0.000+/-0.000 χ^2/NDF:2536041.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 3762252.9/35

All: 0.000+/-0.000 χ^2/NDF: 8900280.1/73

- sign 0.000+/-0.000 χ^2/NDF: 5109622.0/37

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 631.998+/-279.552 χ^2/NDF:35.7/19

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

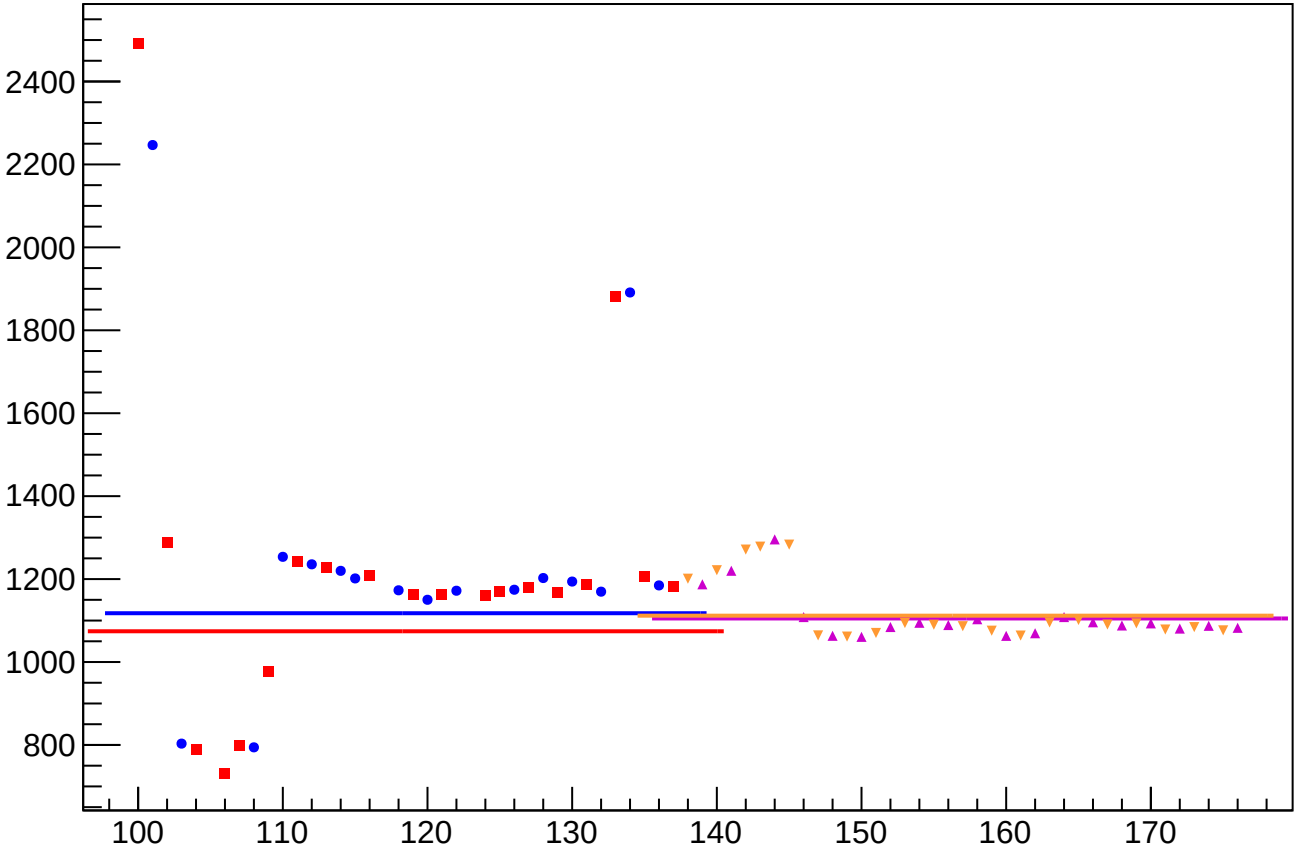
Left In: 583.898+/-280.654 χ^2/NDF:9.5/18

\+ sign 223.059+/-233.950 χ^2/NDF: 54.5/35

All: 329.992+/-164.680 χ^2/NDF: 78.5/73

\- sign 435.014+/-231.850 χ^2/NDF: 23.5/37

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1111.770+/-0.198 χ^2/NDF:115517.9/19

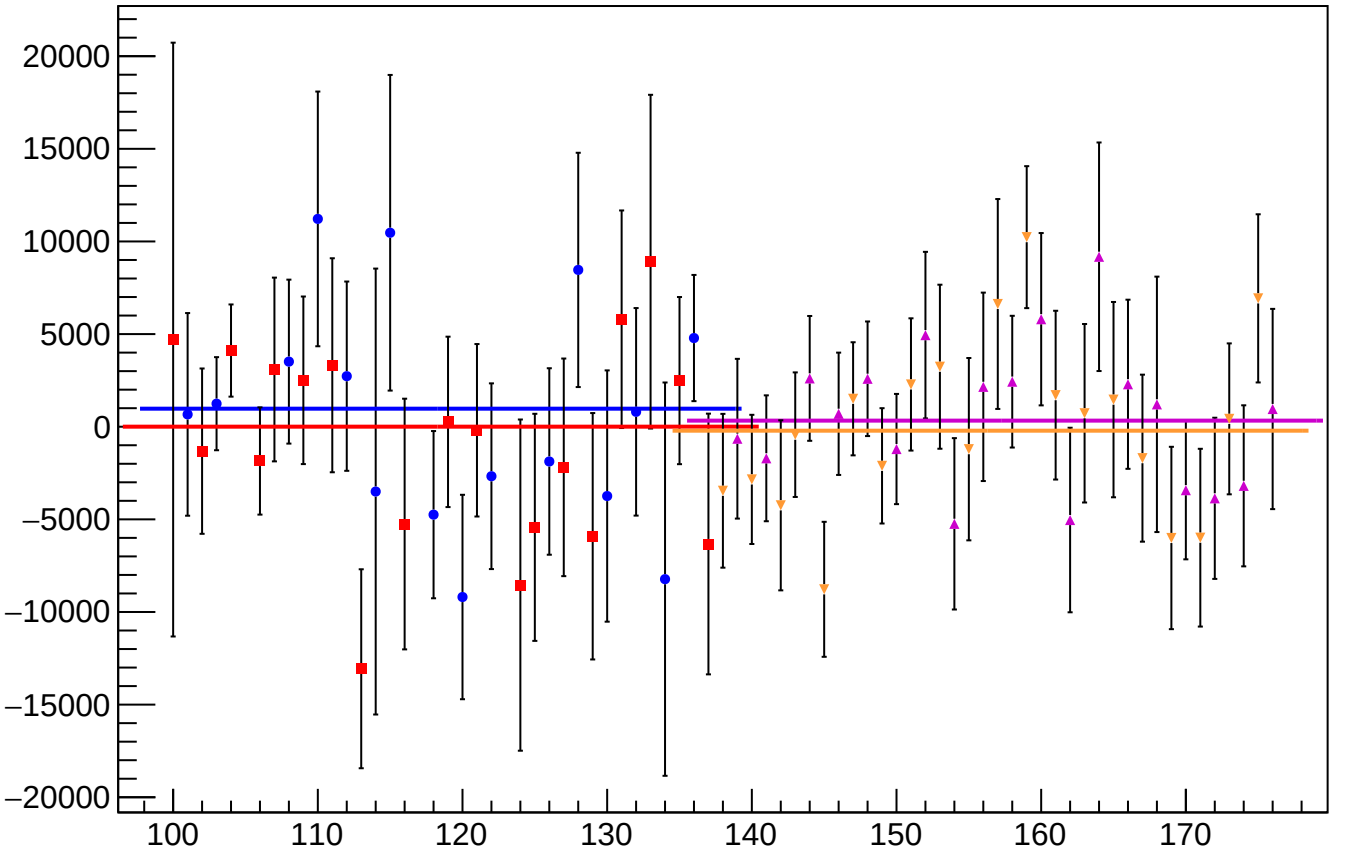
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1105.024+/-0.198 χ^2/NDF:76707.6/18

+ sign 1113.542+/-0.165 χ^2/NDF: 935621.2/35

All: 1104.217+/-0.116 χ^2/NDF: 1675892.4/73

- sign 1095.108+/-0.164 χ^2/NDF: 733990.0/37



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -214.212+/-911.998 χ^2/NDF:24.0/19

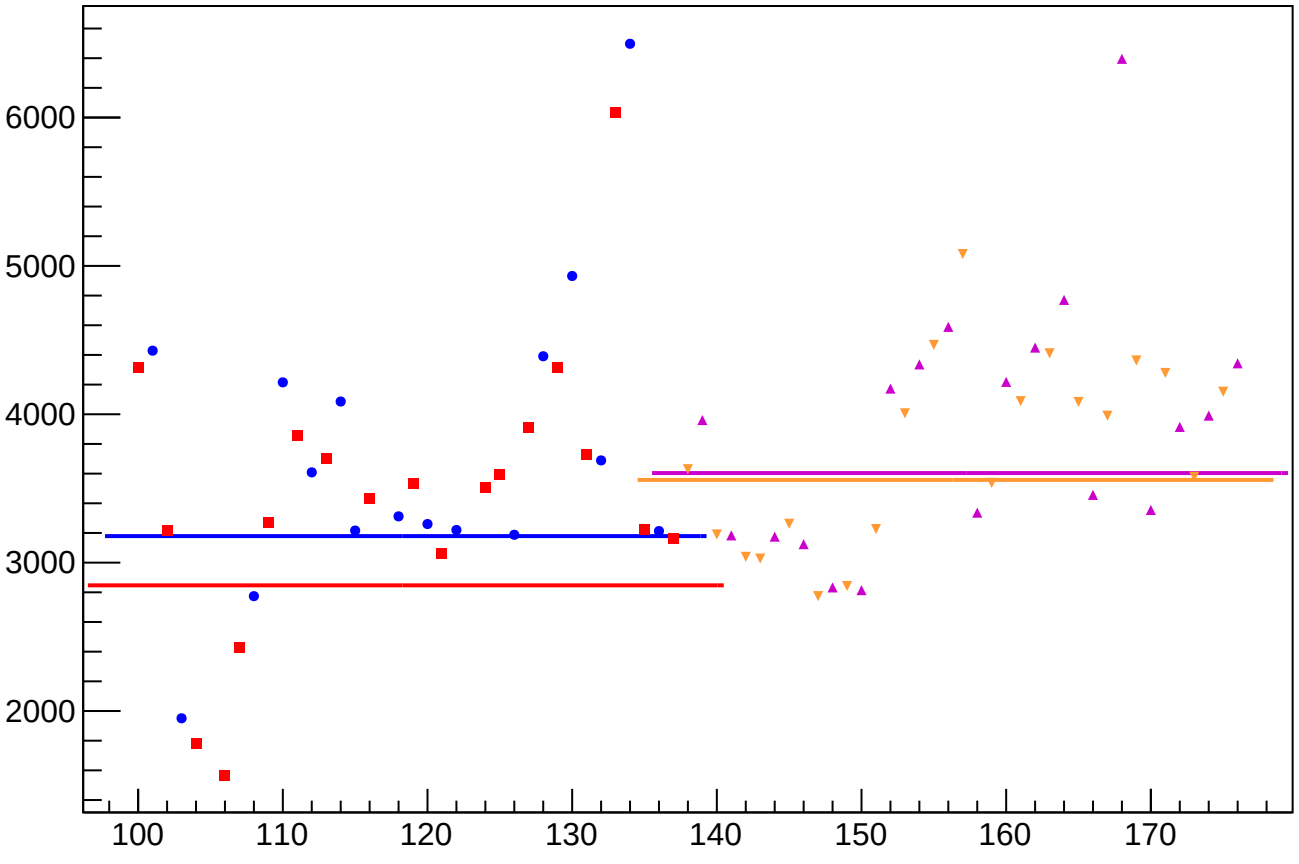
Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 329.017+/-934.318 χ^2/NDF:12.1/18

+ sign 205.993+/-733.170 χ^2/NDF: 38.4/35

All: 200.021+/-512.193 χ^2/NDF: 67.1/73

- sign 194.327+/-715.841 χ^2/NDF: 28.7/37



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3557.607+/-0.645 χ^2/NDF:860495.0/19

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

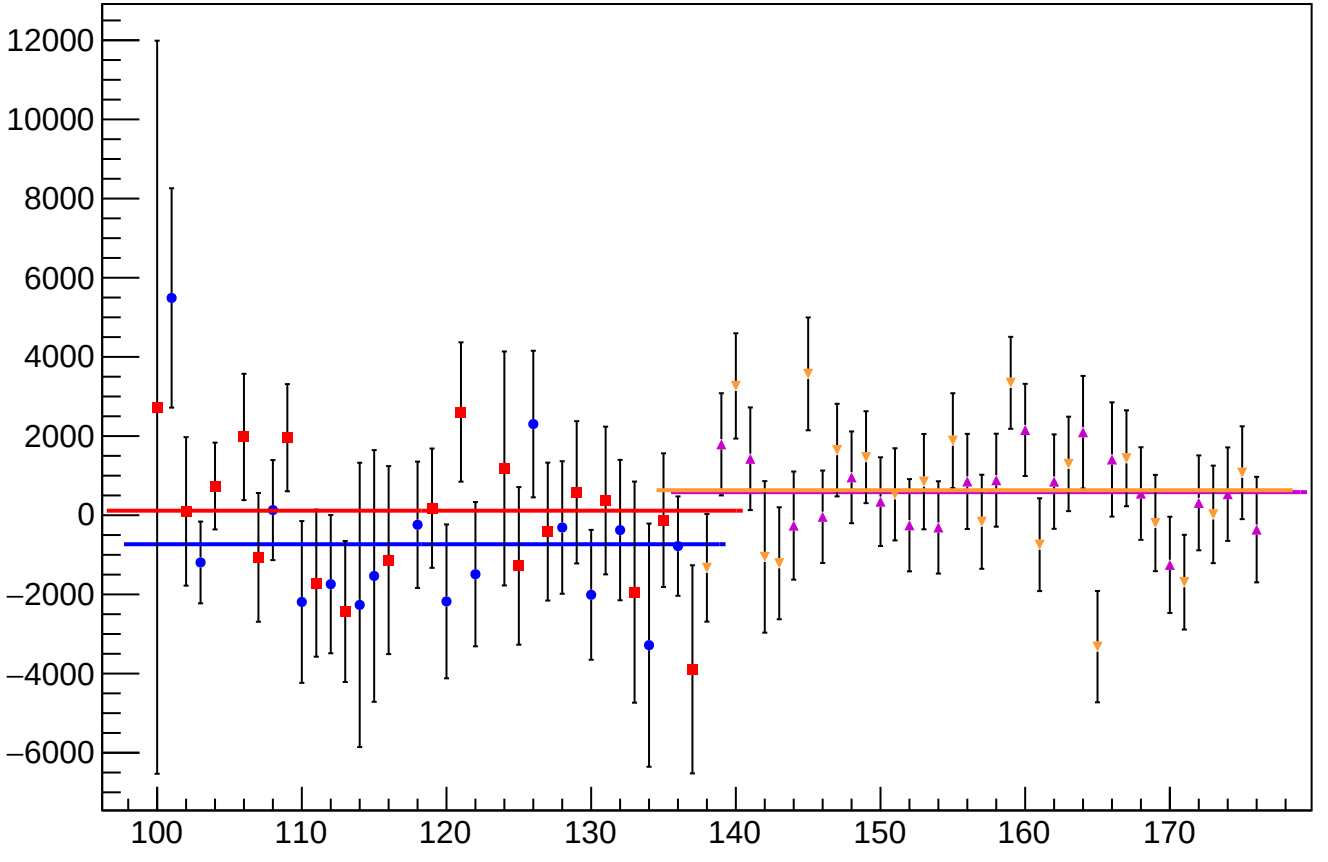
Left In: 3603.817+/-0.661 χ^2/NDF:1119175.5/18

+ sign 3423.641+/-0.518 χ^2/NDF: 2074176.4/35

All: 3355.869+/-0.362 χ^2/NDF: 5279827.1/73

- sign 3291.264+/-0.506 χ^2/NDF: 3172270.9/37

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 632.065+/-279.552 χ^2/NDF:35.7/19

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

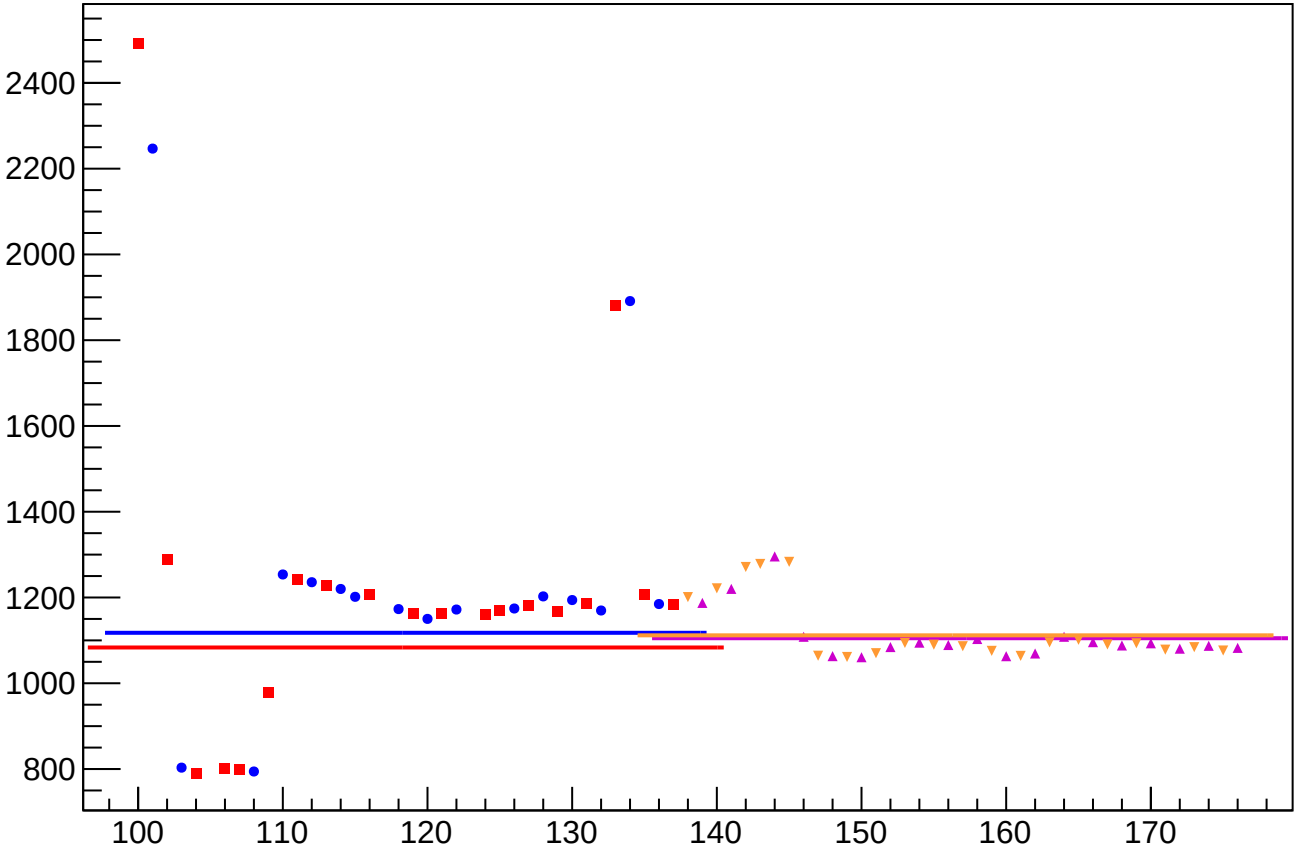
Left In: 583.846+/-280.654 χ^2/NDF:9.5/18

+ sign 223.126+/-233.950 χ^2/NDF: 54.5/35

All: 330.050+/-164.680 χ^2/NDF: 78.5/73

- sign 435.065+/-231.851 χ^2/NDF: 23.5/37

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1111.770+/-0.198 χ^2/NDF:115517.8/19

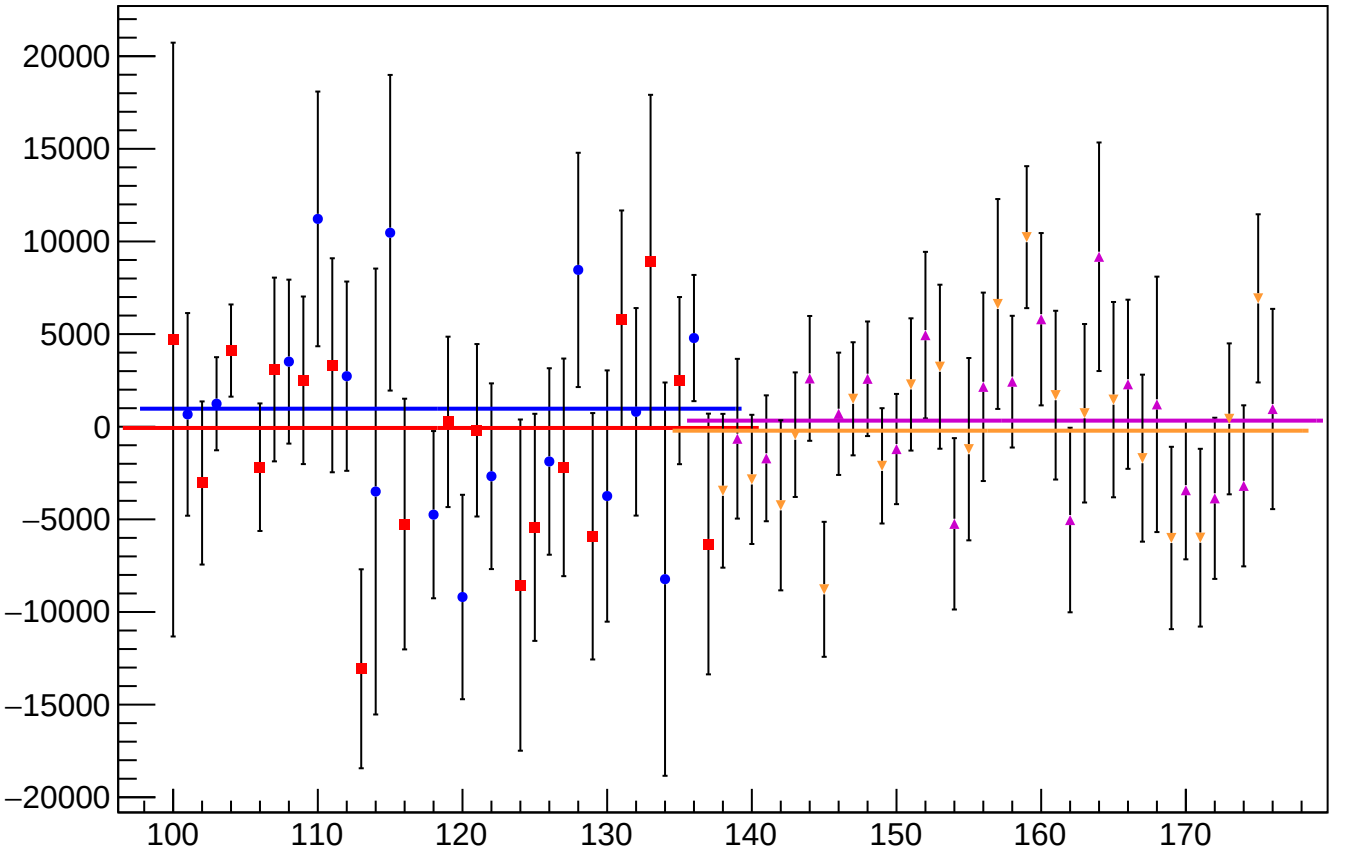
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1105.024+/-0.198 χ^2/NDF:76707.6/18

+ sign 1113.542+/-0.165 χ^2/NDF: 935617.8/35

All: 1105.770+/-0.116 χ^2/NDF: 1615487.2/73

- sign 1098.146+/-0.164 χ^2/NDF: 675496.8/37



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -214.212+/-911.997 χ^2/NDF:24.0/19

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

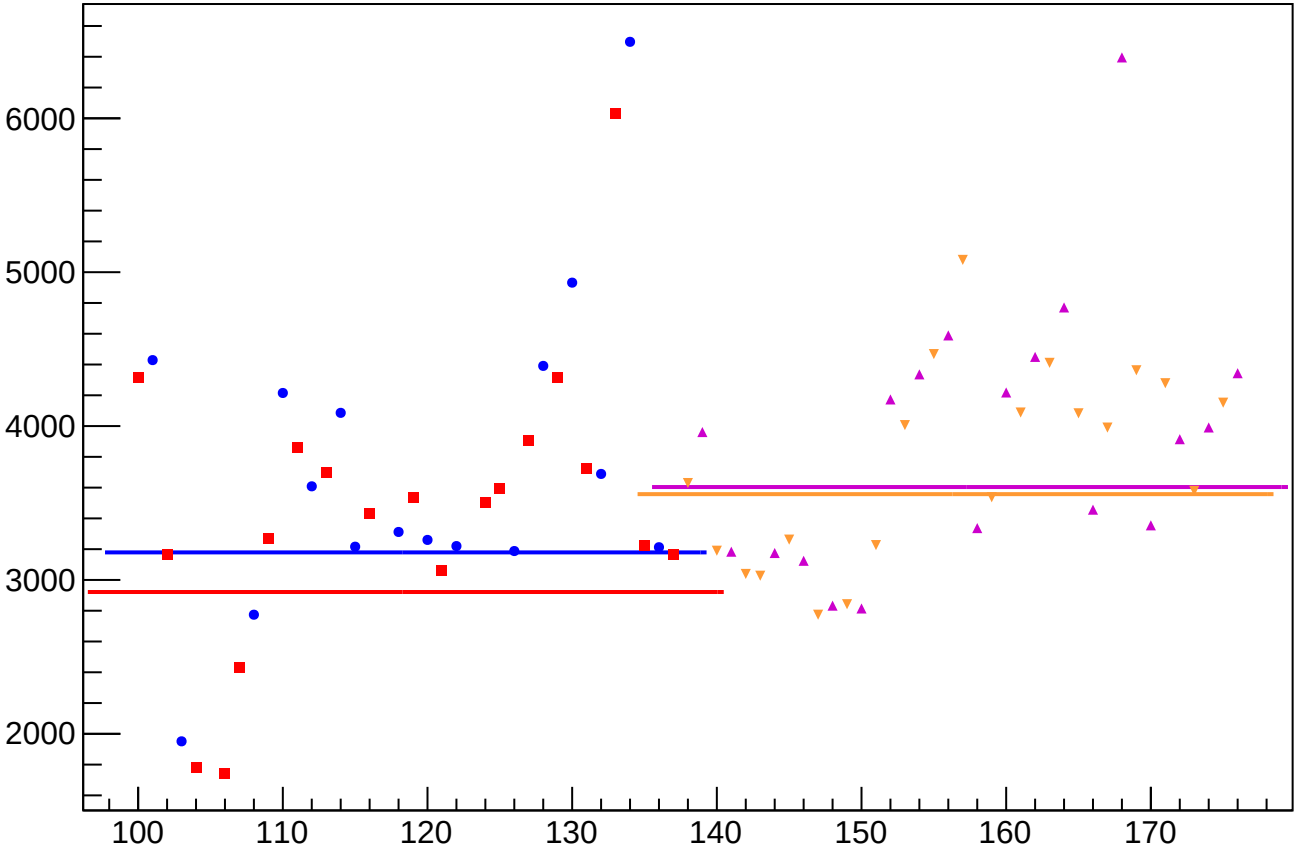
Left In: 329.012+/-934.317 χ^2/NDF:12.1/18

+ sign 205.794+/-733.180 χ^2/NDF: 38.4/35

All: 187.367+/-514.471 χ^2/NDF: 67.5/73

- sign 169.493+/-722.090 χ^2/NDF: 29.1/37

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3557.603+/-0.645 χ^2/NDF:860498.5/19

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

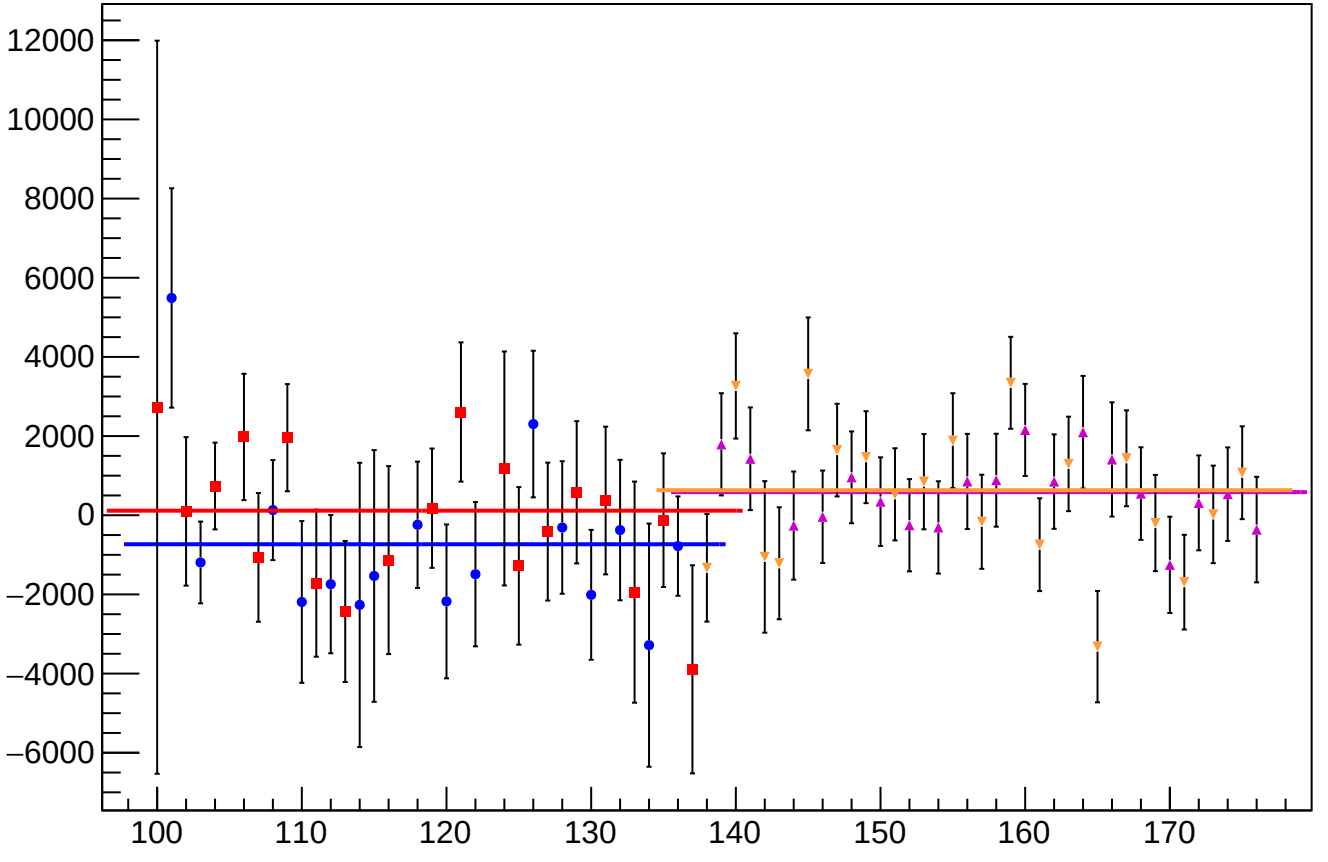
Left In: 3603.815+/-0.661 χ^2/NDF:1119180.2/18

+ sign 3423.711+/-0.518 χ^2/NDF: 2073612.3/35

All: 3375.687+/-0.364 χ^2/NDF: 4951936.9/73

- sign 3329.104+/-0.511 χ^2/NDF: 2861420.6/37

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 632.065+/-279.552 χ^2/NDF:35.7/19

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

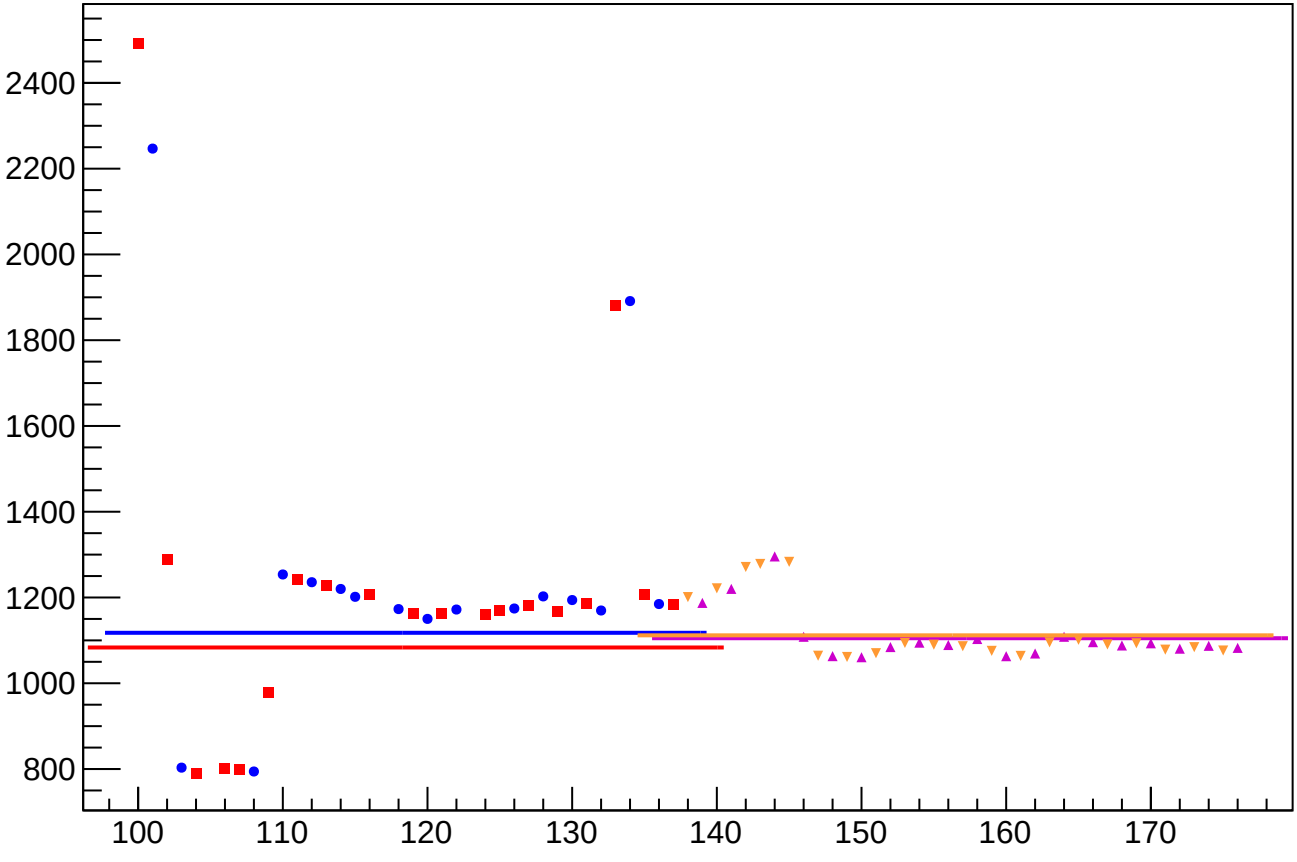
Left In: 583.846+/-280.654 χ^2/NDF:9.5/18

+ sign 223.126+/-233.950 χ^2/NDF: 54.5/35

All: 330.050+/-164.680 χ^2/NDF: 78.5/73

- sign 435.065+/-231.851 χ^2/NDF: 23.5/37

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1111.770+/-0.198 χ^2/NDF:115517.8/19

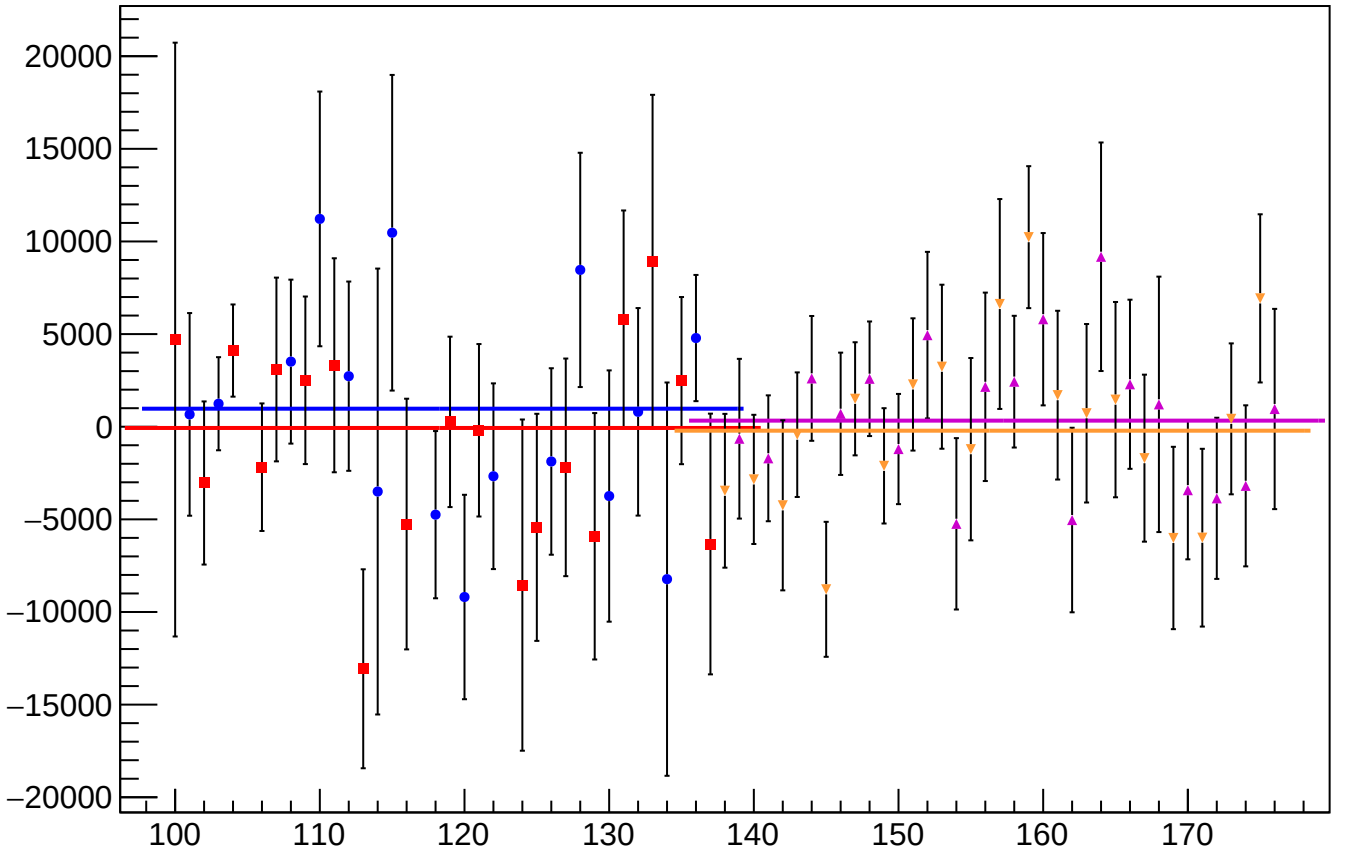
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1105.024+/-0.198 χ^2/NDF:76707.6/18

+ sign 1113.542+/-0.165 χ^2/NDF: 935617.8/35

All: 1105.770+/-0.116 χ^2/NDF: 1615487.2/73

- sign 1098.146+/-0.164 χ^2/NDF: 675496.8/37



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -214.212+/-911.997 χ^2/NDF:24.0/19

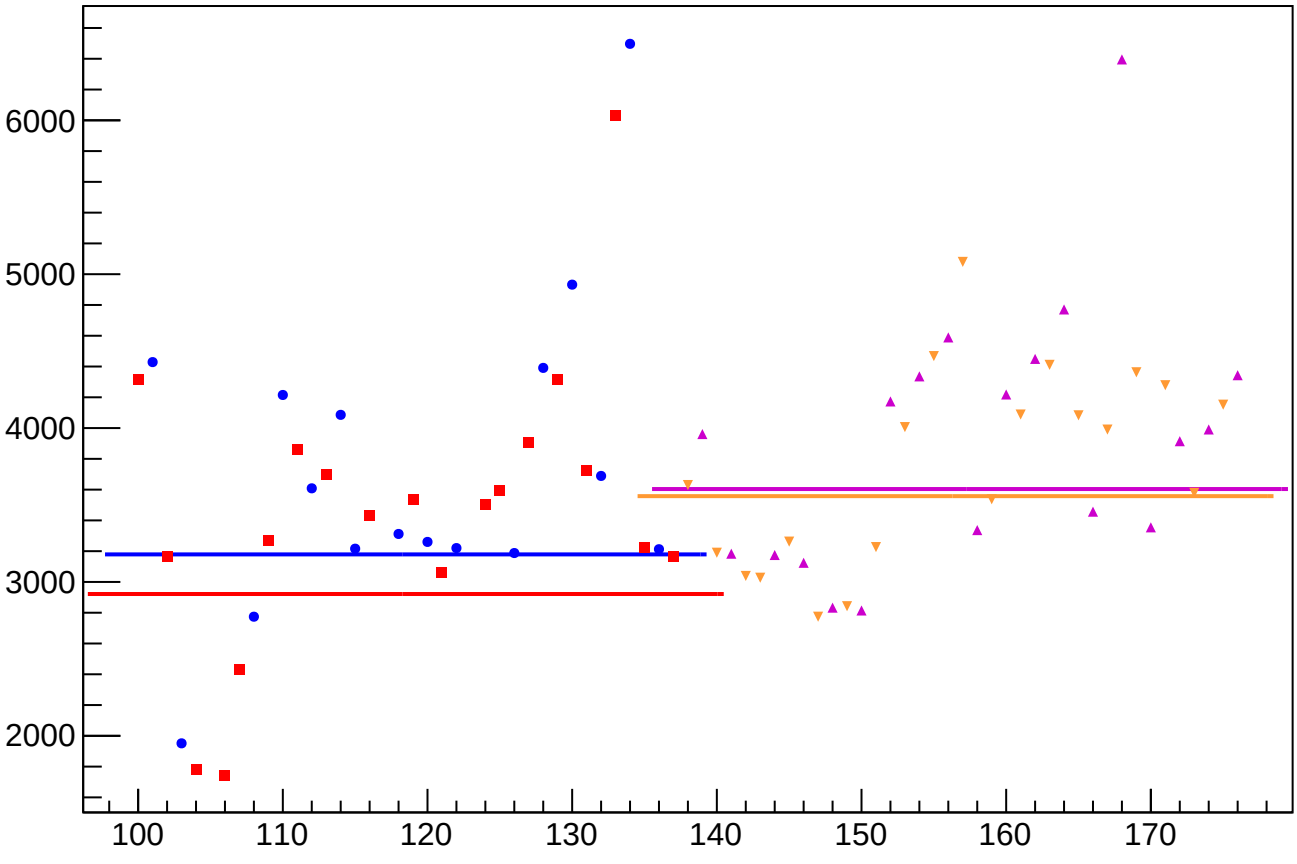
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 329.012+/-934.317 χ^2/NDF:12.1/18

+ sign 205.794+/-733.180 χ^2/NDF: 38.4/35

All: 187.367+/-514.471 χ^2/NDF: 67.5/73

- sign 169.493+/-722.090 χ^2/NDF: 29.1/37



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3557.603+/-0.645 χ^2/NDF:860498.5/19

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

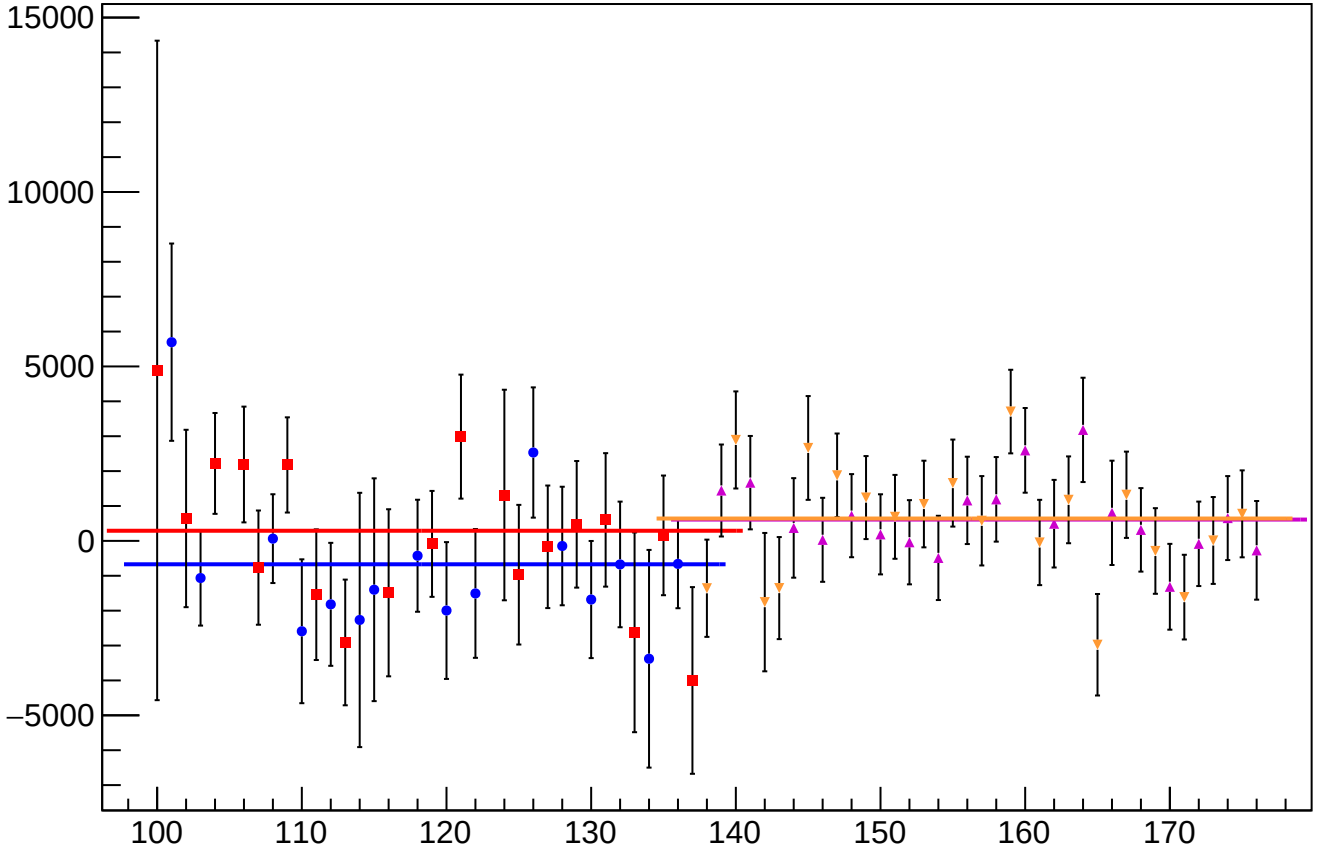
Left In: 3603.815+/-0.661 χ^2/NDF:1119180.2/18

+ sign 3423.711+/-0.518 χ^2/NDF: 2073612.3/35

All: 3375.687+/-0.364 χ^2/NDF: 4951936.9/73

- sign 3329.104+/-0.511 χ^2/NDF: 2861420.6/37

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 640.887+/-289.035 χ^2/NDF:29.8/19

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

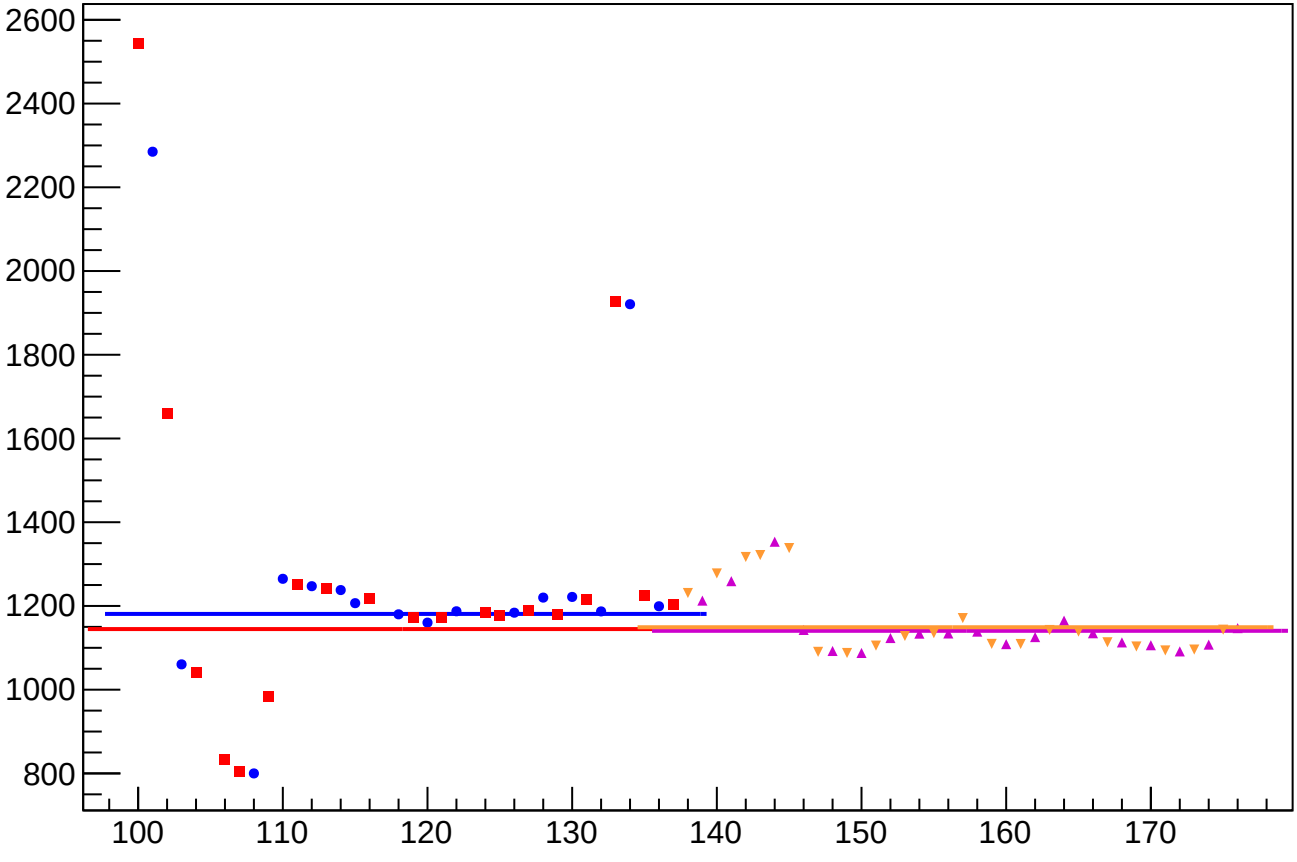
Left In: 610.678+/-289.762 χ^2/NDF:11.9/18

+ sign 255.976+/-242.954 χ^2/NDF: 47.7/35

All: 385.008+/-171.121 χ^2/NDF: 77.4/73

- sign 512.035+/-241.059 χ^2/NDF: 29.2/37

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1149.118+/-0.204 χ^2/NDF:129498.4/19

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

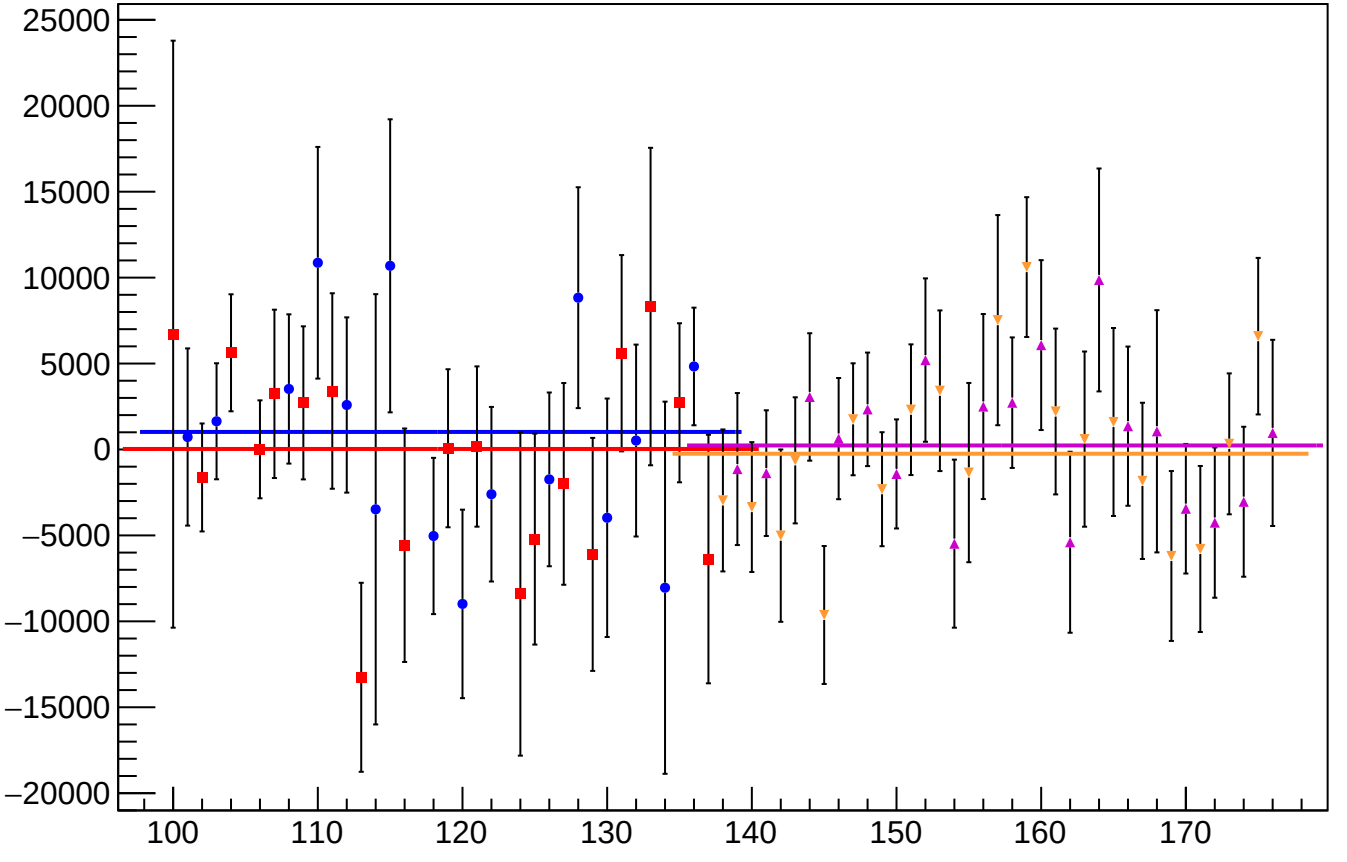
Left In: 1140.621+/-0.205 χ^2/NDF:83932.5/18

+ sign 1158.461+/-0.172 χ^2/NDF: 758497.7/35

All: 1150.115+/-0.121 χ^2/NDF: 1344970.0/73

- sign 1141.901+/-0.170 χ^2/NDF: 581789.8/37

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -248.108+/-960.631 χ^2/NDF:23.7/19

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

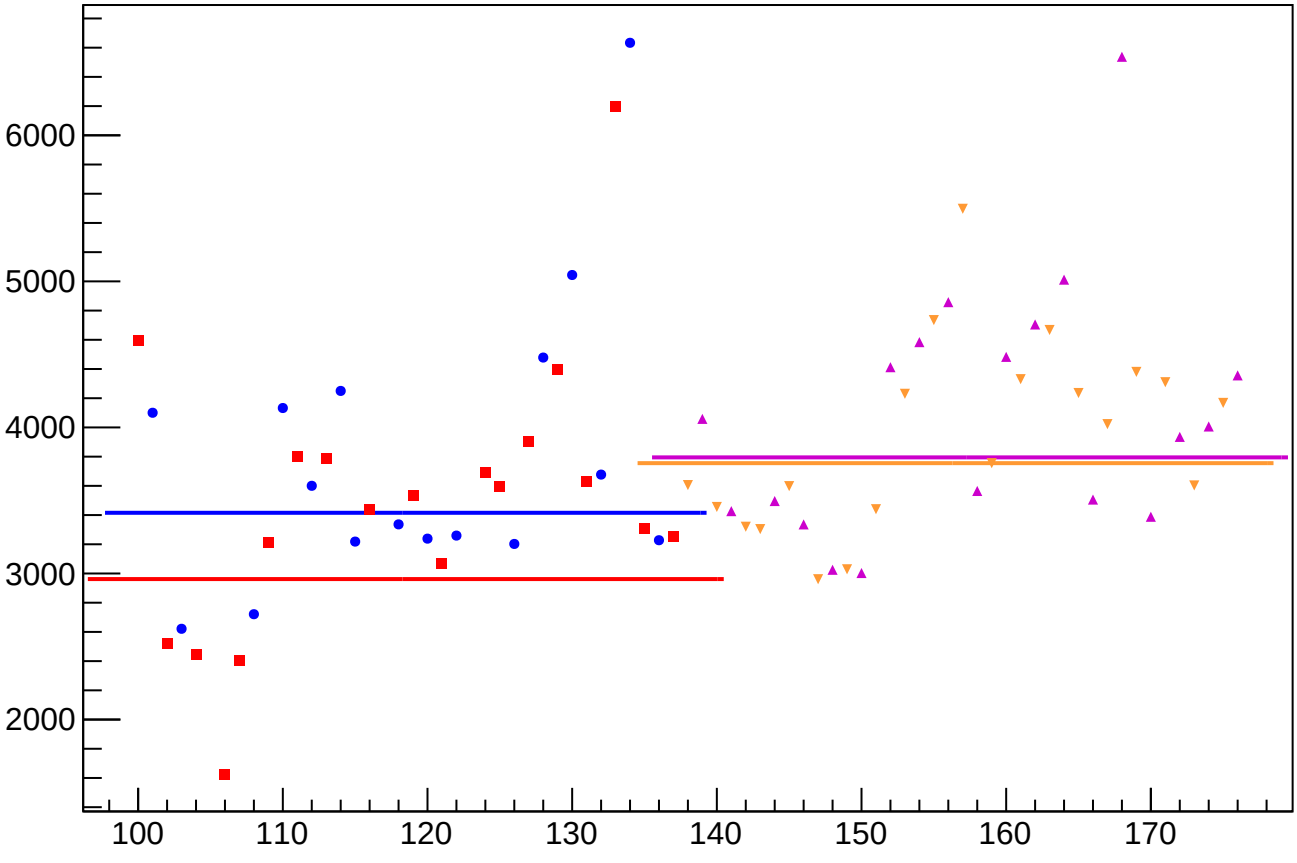
Left In: 233.256+/-982.174 χ^2/NDF:12.0/18

\+ sign 199.058+/-773.094 χ^2/NDF: 38.2/35

All: 171.375+/-535.142 χ^2/NDF: 66.4/73

\- sign 145.908+/-741.505 χ^2/NDF: 28.2/37

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3755.430+/-0.679 χ^2/NDF:738089.0/19

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

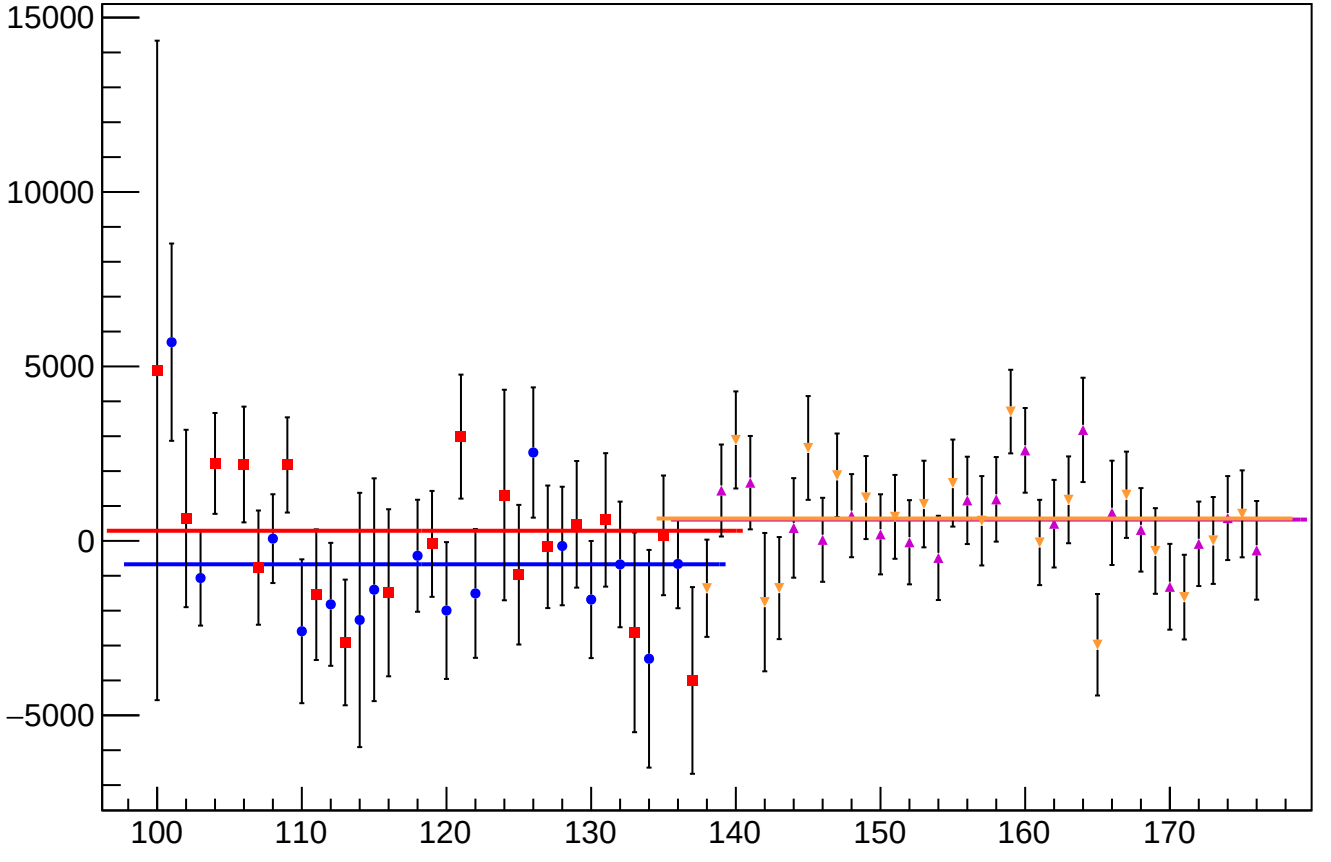
Left In: 3794.916+/-0.695 χ^2/NDF:1009442.4/18

+ sign 3635.694+/-0.547 χ^2/NDF: 1418620.7/35

All: 3532.022+/-0.378 χ^2/NDF: 4285196.2/73

- sign 3436.649+/-0.524 χ^2/NDF: 2797523.2/37

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 640.892+/-289.035 χ^2/NDF:29.8/19

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

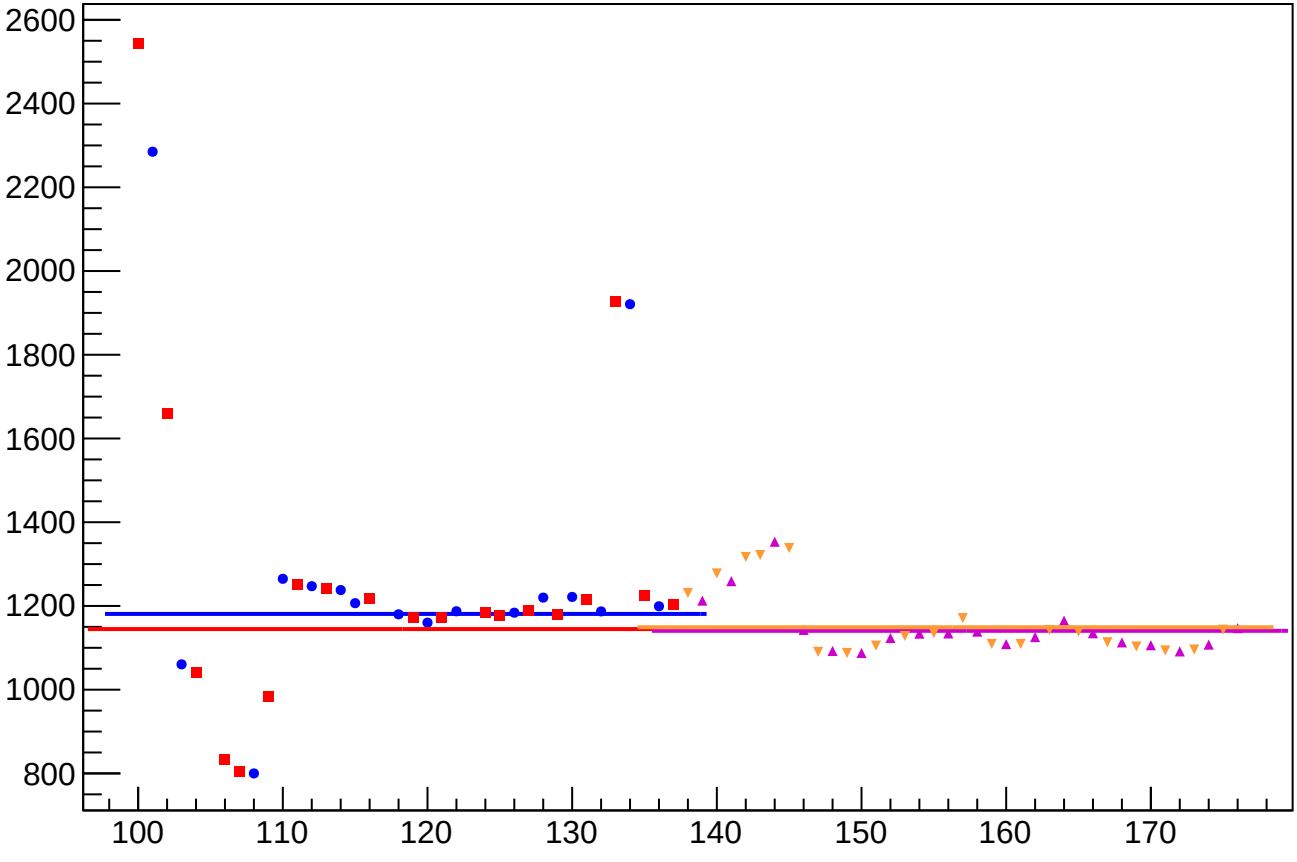
Left In: 610.679+/-289.762 χ^2/NDF:11.9/18

+ sign 255.978+/-242.954 χ^2/NDF: 47.7/35

All: 385.010+/-171.121 χ^2/NDF: 77.4/73

- sign 512.037+/-241.060 χ^2/NDF: 29.2/37

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1149.119+/-0.204 χ^2/NDF:129498.5/19

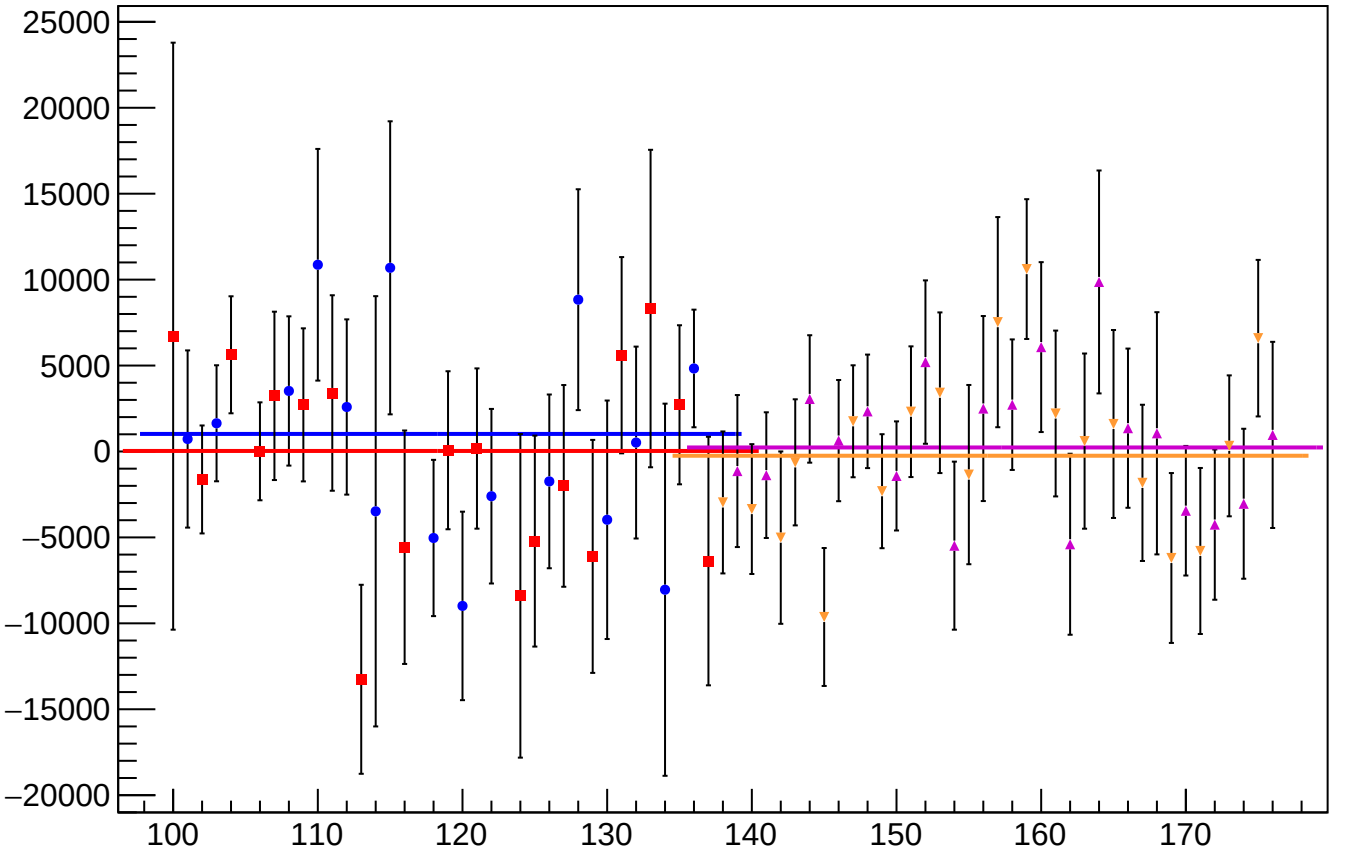
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1140.622+/-0.205 χ^2/NDF:83932.2/18

+ sign 1158.461+/-0.172 χ^2/NDF: 758497.7/35

All: 1150.116+/-0.121 χ^2/NDF: 1344969.2/73

- sign 1141.902+/-0.170 χ^2/NDF: 581789.1/37



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -248.108+/-960.632 χ^2/NDF:23.7/19

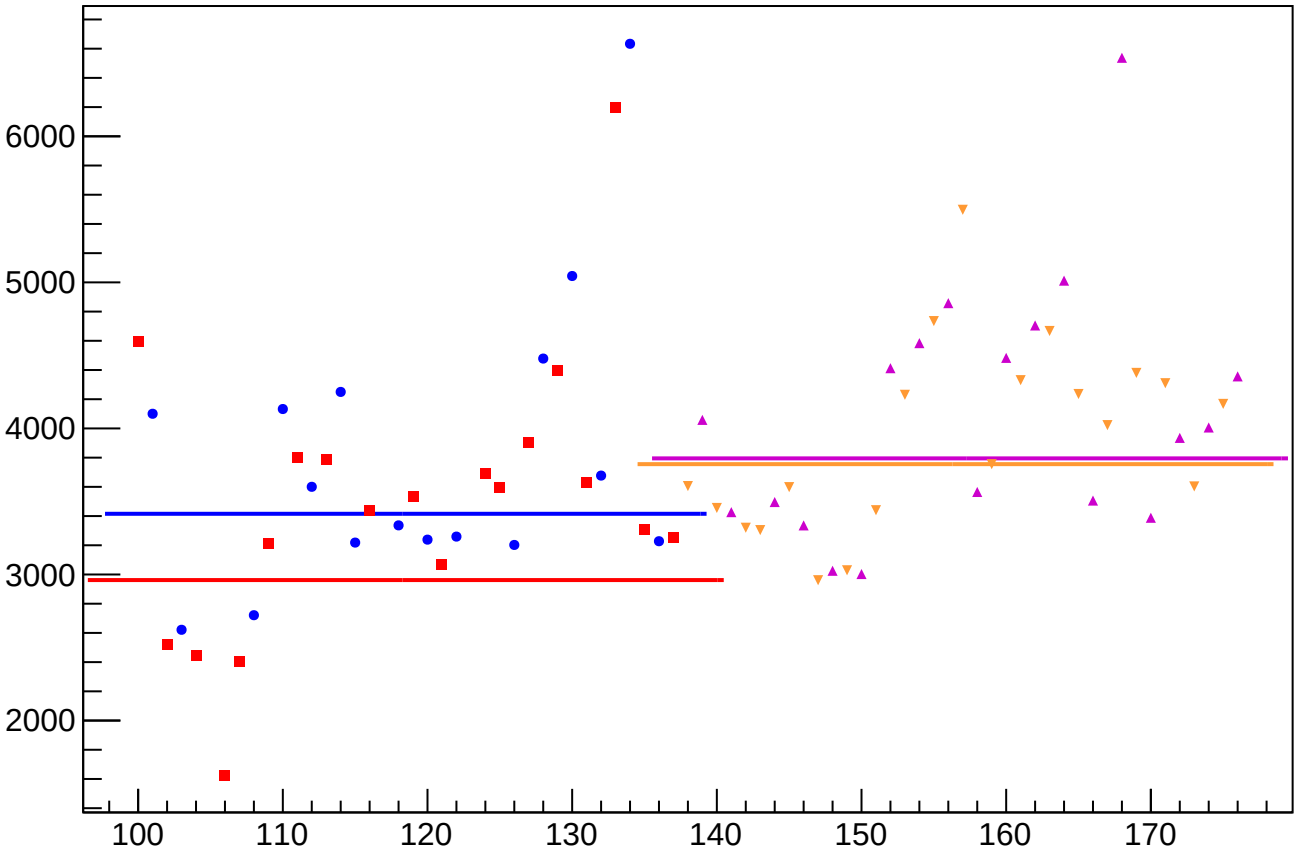
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 233.253+/-982.175 χ^2/NDF:12.0/18

\+ sign 199.054+/-773.094 χ^2/NDF: 38.2/35

All: 171.373+/-535.142 χ^2/NDF: 66.4/73

\- sign 145.909+/-741.505 χ^2/NDF: 28.2/37



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3755.435+/-0.679 χ^2/NDF:738088.1/19

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

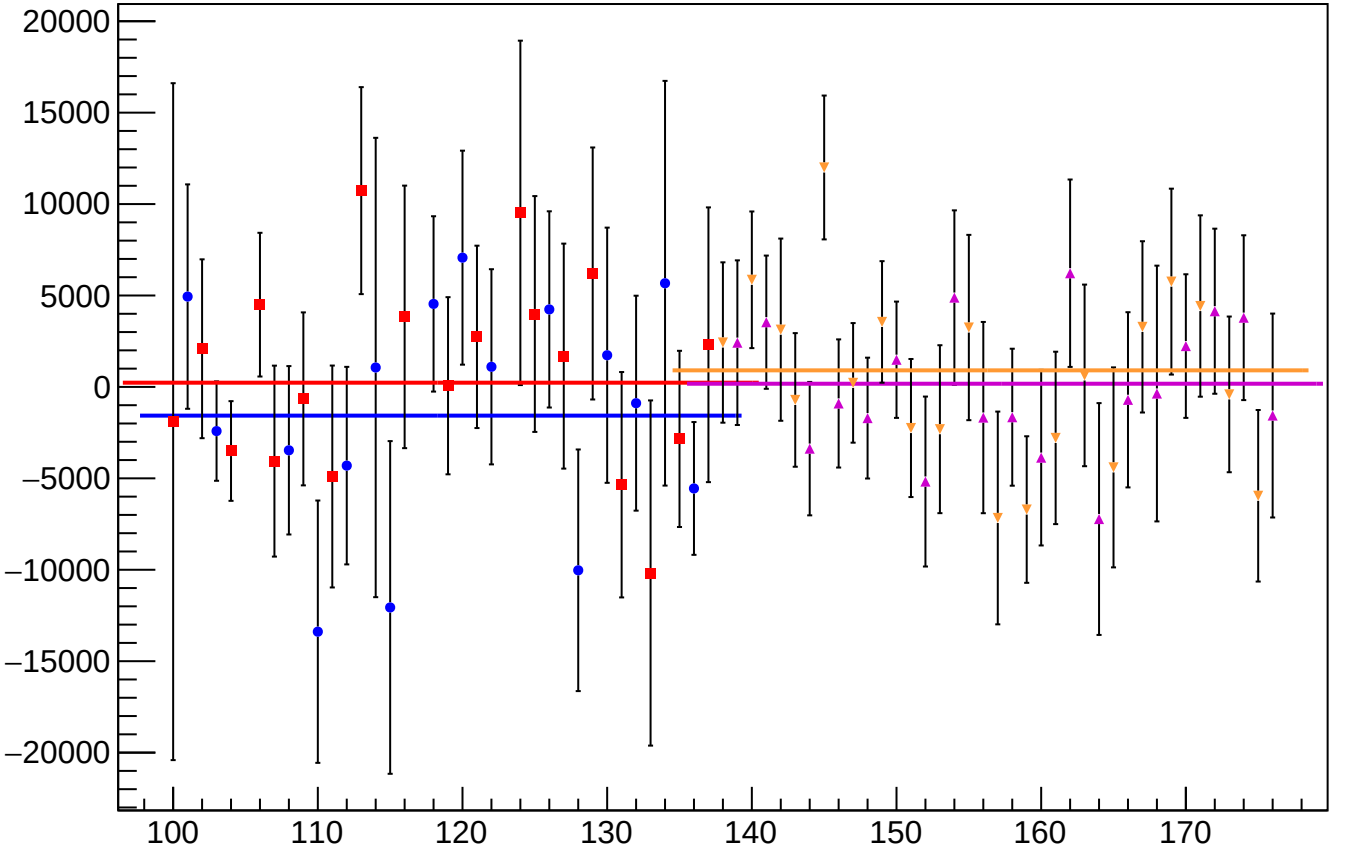
Left In: 3794.921+/-0.695 χ^2/NDF:1009443.0/18

+ sign 3635.696+/-0.547 χ^2/NDF: 1418619.4/35

All: 3532.023+/-0.378 χ^2/NDF: 4285211.7/73

- sign 3436.649+/-0.524 χ^2/NDF: 2797538.3/37

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 906.194+/-962.122 χ^2/NDF:23.3/19

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

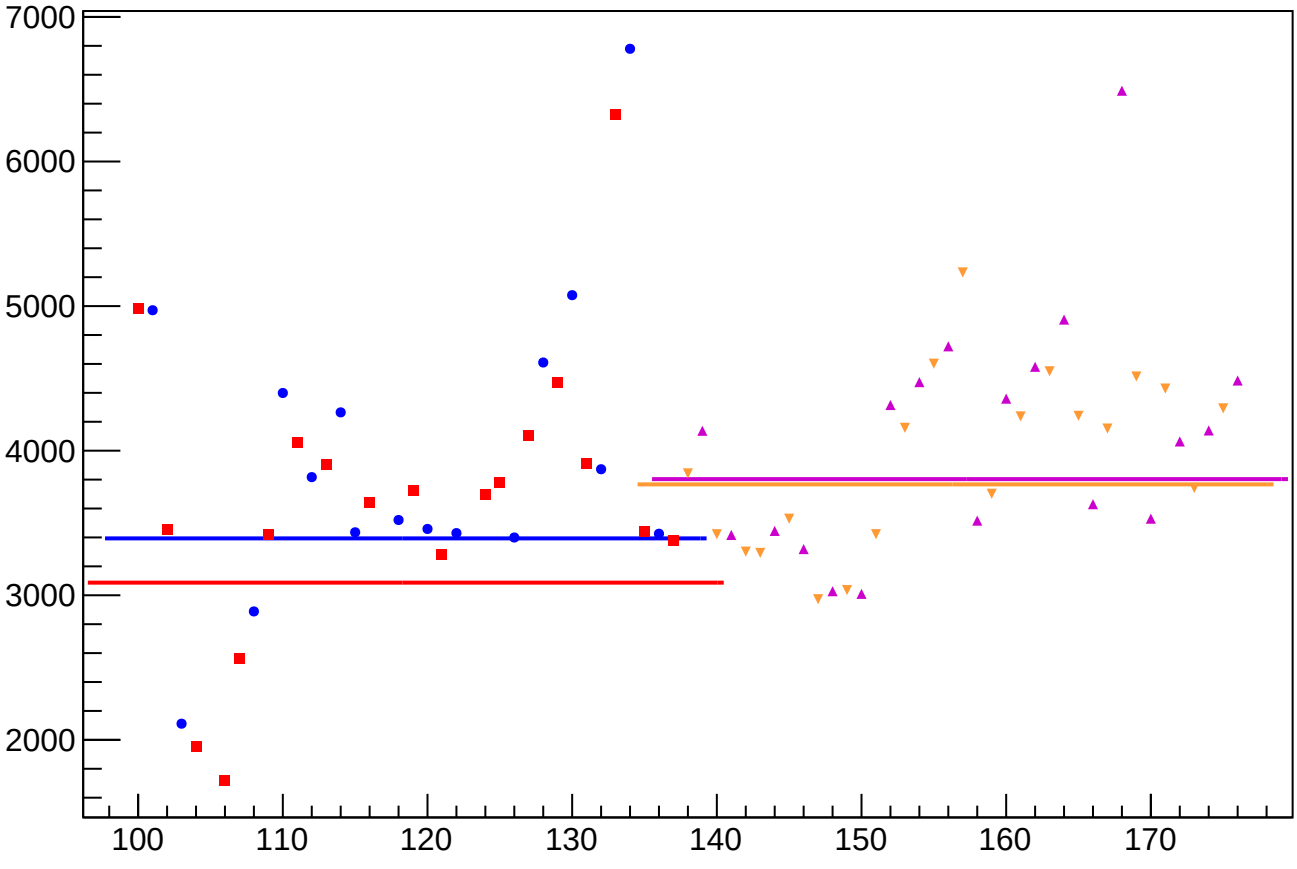
Left In: 174.301+/-982.777 χ^2/NDF:10.6/18

\+ sign 41.126+/-776.057 χ^2/NDF: 40.1/35

All: 119.820+/-545.310 χ^2/NDF: 63.9/73

\- sign 196.568+/-766.404 χ^2/NDF: 23.8/37

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3766.950+/-0.680 χ^2/NDF:705824.4/19

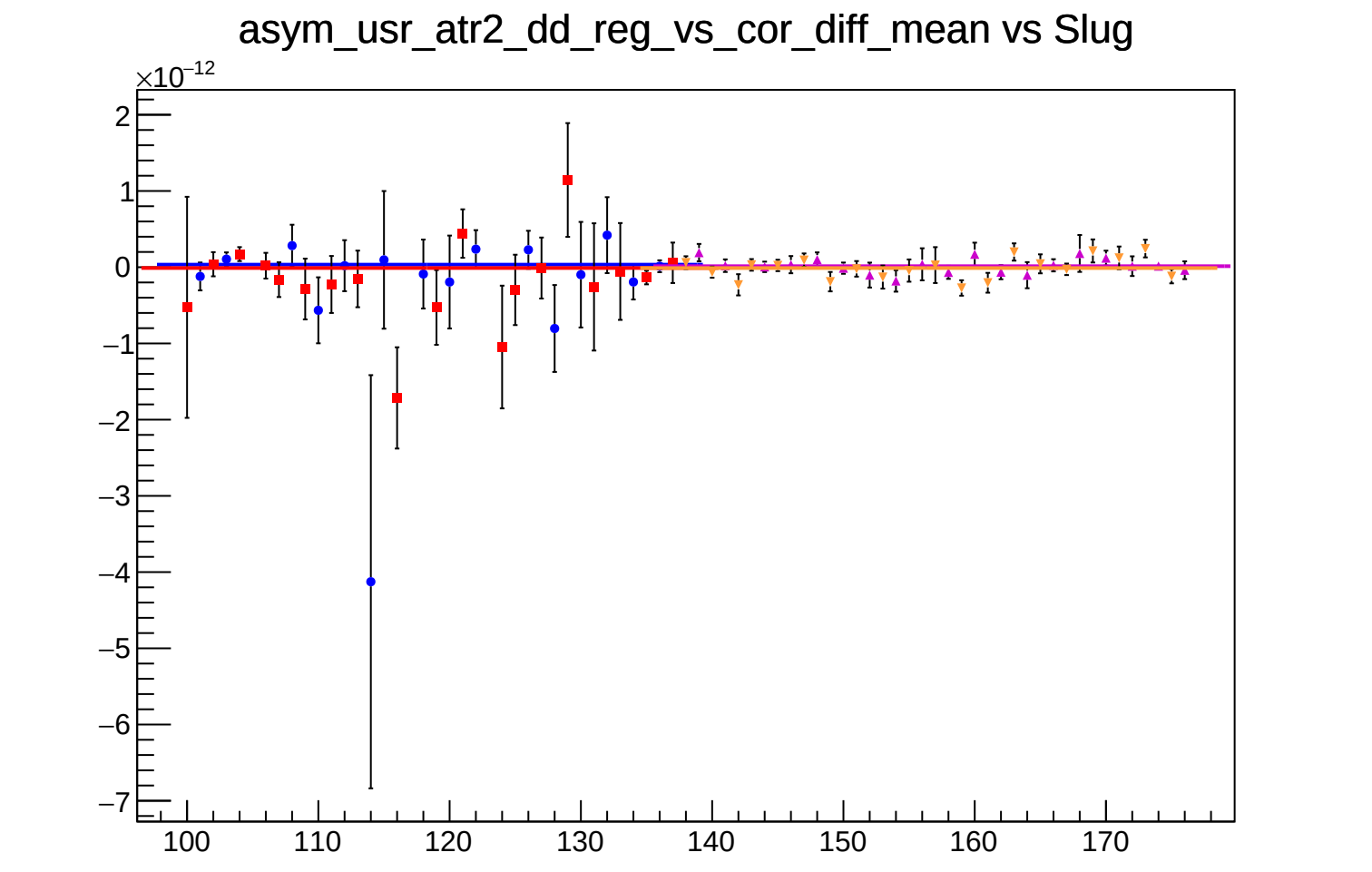
Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

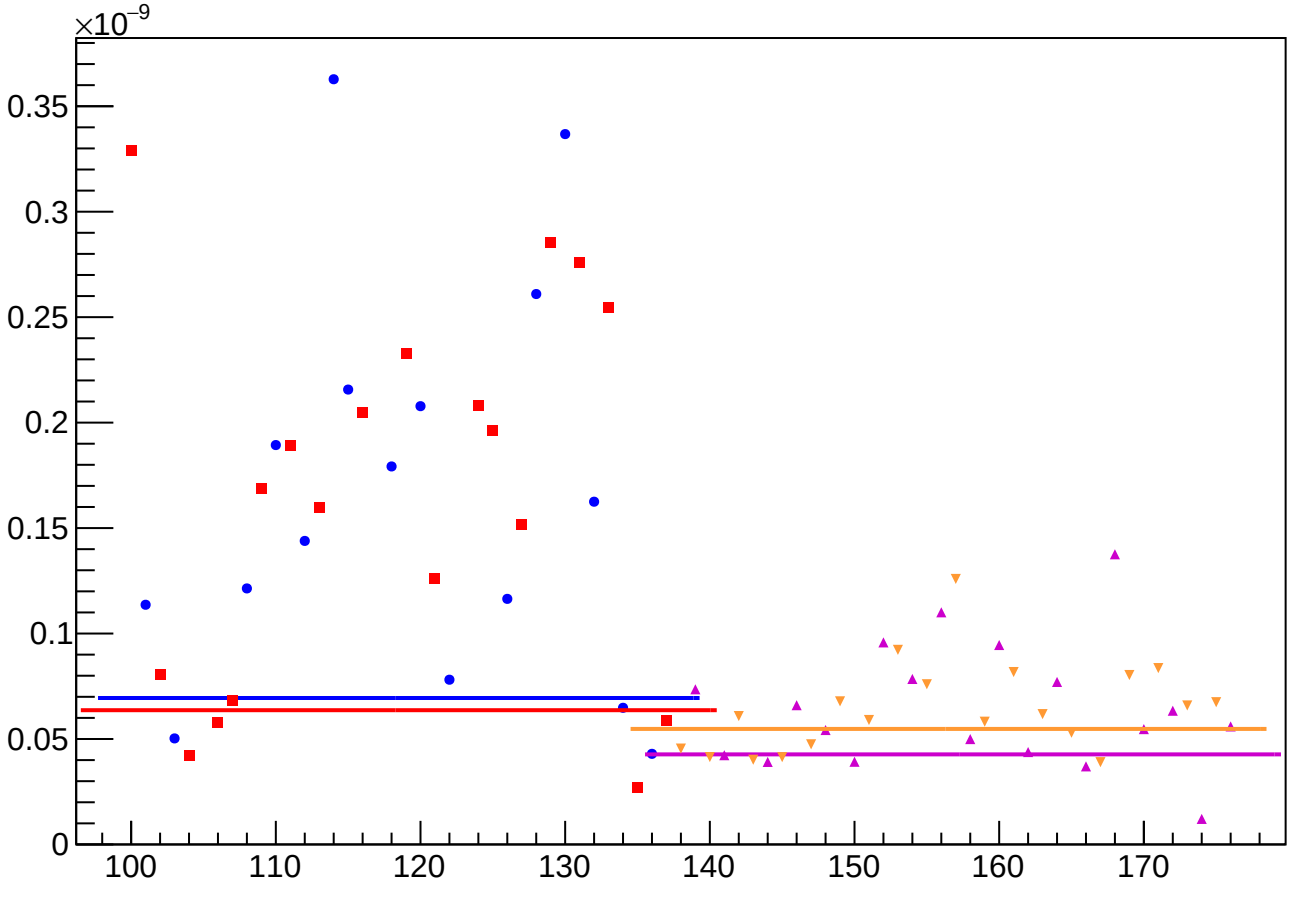
Left In: 3803.374+/-0.695 χ^2/NDF:951335.5/18

\+ sign 3636.427+/-0.549 χ^2/NDF: 1859885.5/35

All: 3575.563+/-0.384 χ^2/NDF: 4588353.7/73

\- sign 3516.993+/-0.538 χ^2/NDF: 2704328.7/37


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
−5
−6
−7
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:30.1/19
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/18
Left In: 0.000+/-0.000 χ²/NDF:10.9/18
+ sign -0.000+/-0.000 χ²/NDF: 42.6/35
All: 0.000+/-0.000 χ²/NDF: 75.8/73
- sign 0.000+/-0.000 χ²/NDF: 33.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:989393.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

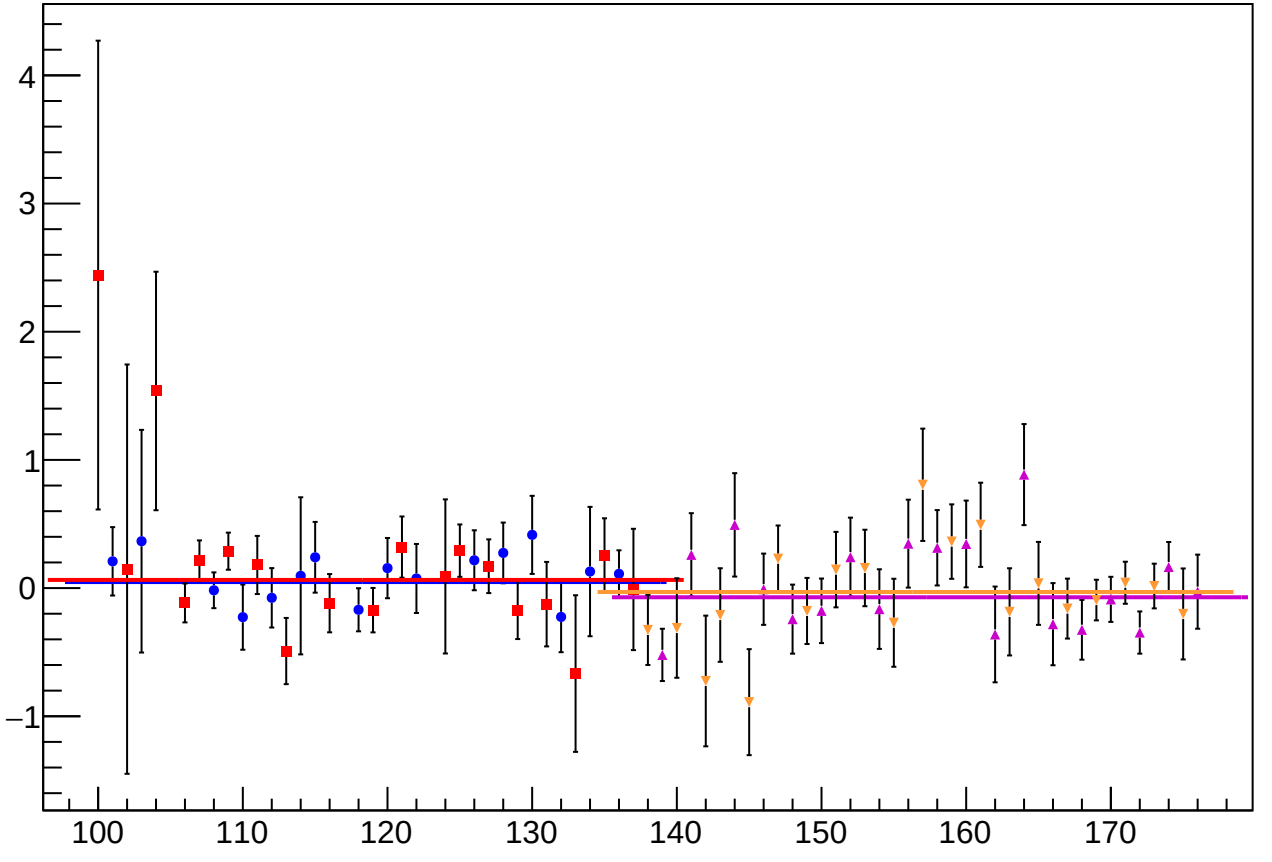
Left In: 0.000+/-0.000 χ^2/NDF:2674966.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 2865779.4/35

All: 0.000+/-0.000 χ^2/NDF: 8421451.9/73

- sign 0.000+/-0.000 χ^2/NDF: 5228055.7/37

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: -0.030+/-0.060 χ^2/NDF:19.9/19

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

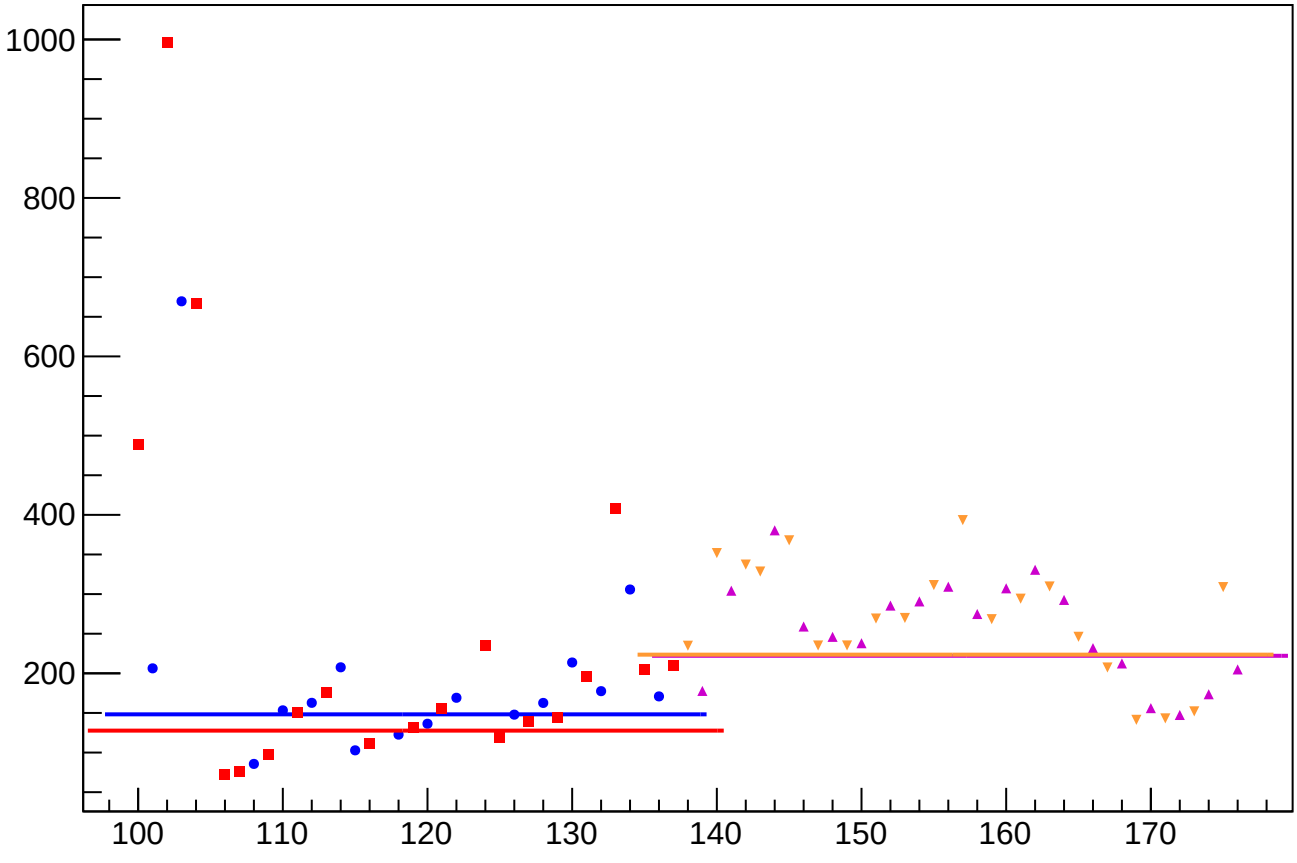
Left In: -0.072+/-0.060 χ^2/NDF:26.7/18

+ sign 0.008+/-0.042 χ^2/NDF: 29.3/35

All: 0.005+/-0.029 χ^2/NDF: 81.1/73

- sign 0.002+/-0.040 χ^2/NDF: 51.8/37

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: 223.566+/-0.042 χ^2/NDF:3024897.8/19

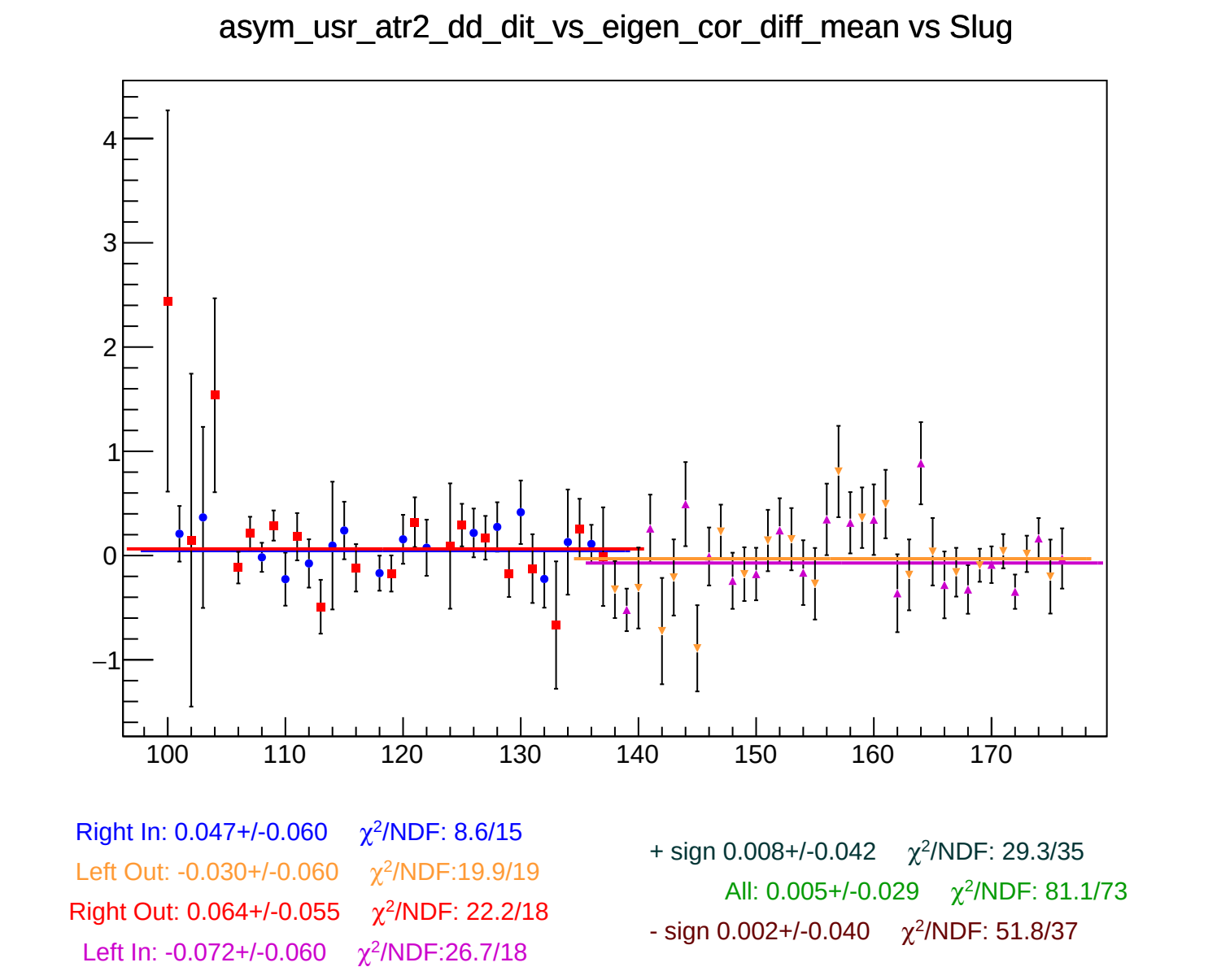
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.120+/-0.042 χ^2/NDF:2155051.9/18

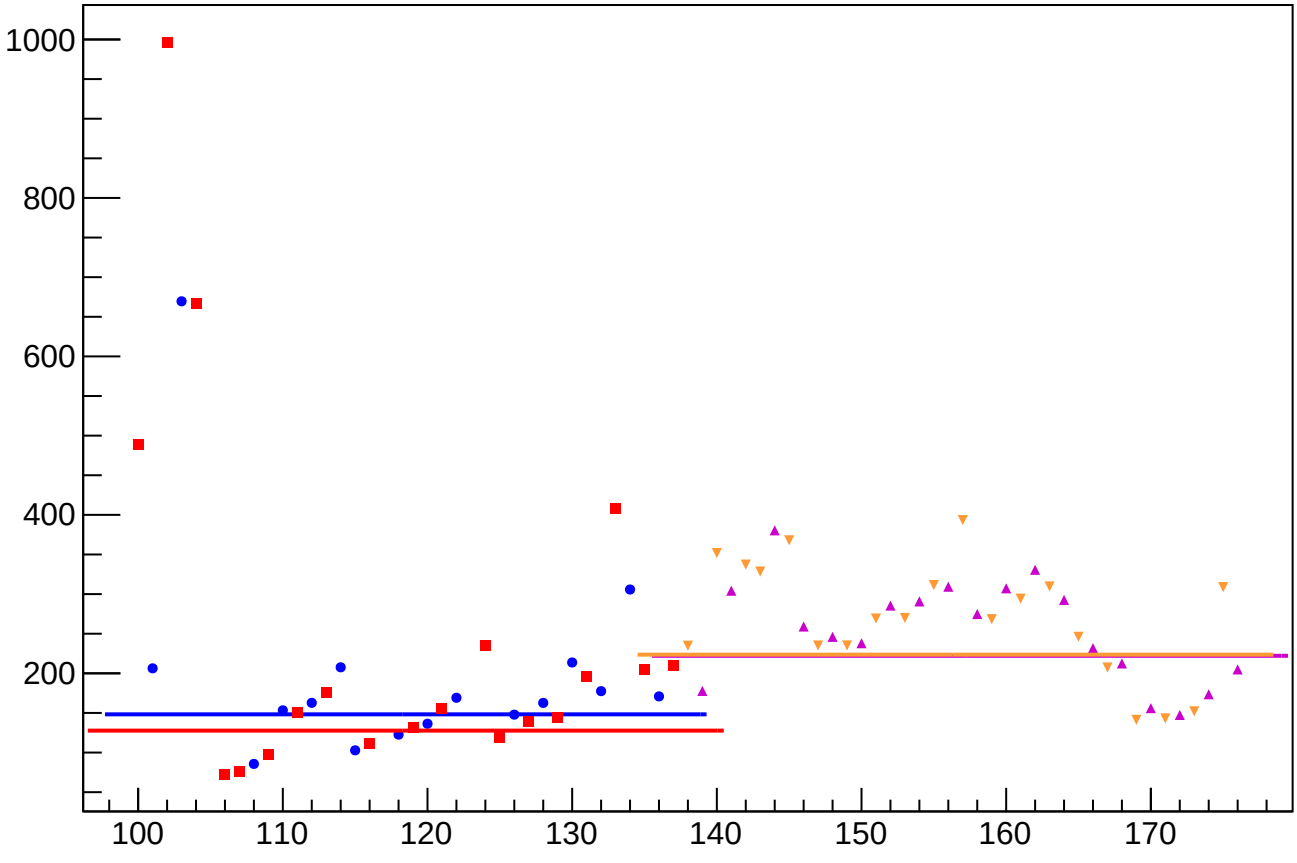
+ sign 186.006+/-0.030 χ^2/NDF: 6313843.7/35

All: 178.016+/-0.021 χ^2/NDF: 14170422.8/73

- sign 170.794+/-0.028 χ^2/NDF: 7721288.1/37


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.030+/-0.060 χ²/NDF:19.9/19
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.072+/-0.060 χ²/NDF:26.7/18
+ sign 0.008+/-0.042 χ²/NDF: 29.3/35
All: 0.005+/-0.029 χ²/NDF: 81.1/73
- sign 0.002+/-0.040 χ²/NDF: 51.8/37

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 223.566+/-0.042 χ^2/NDF:3024897.8/19

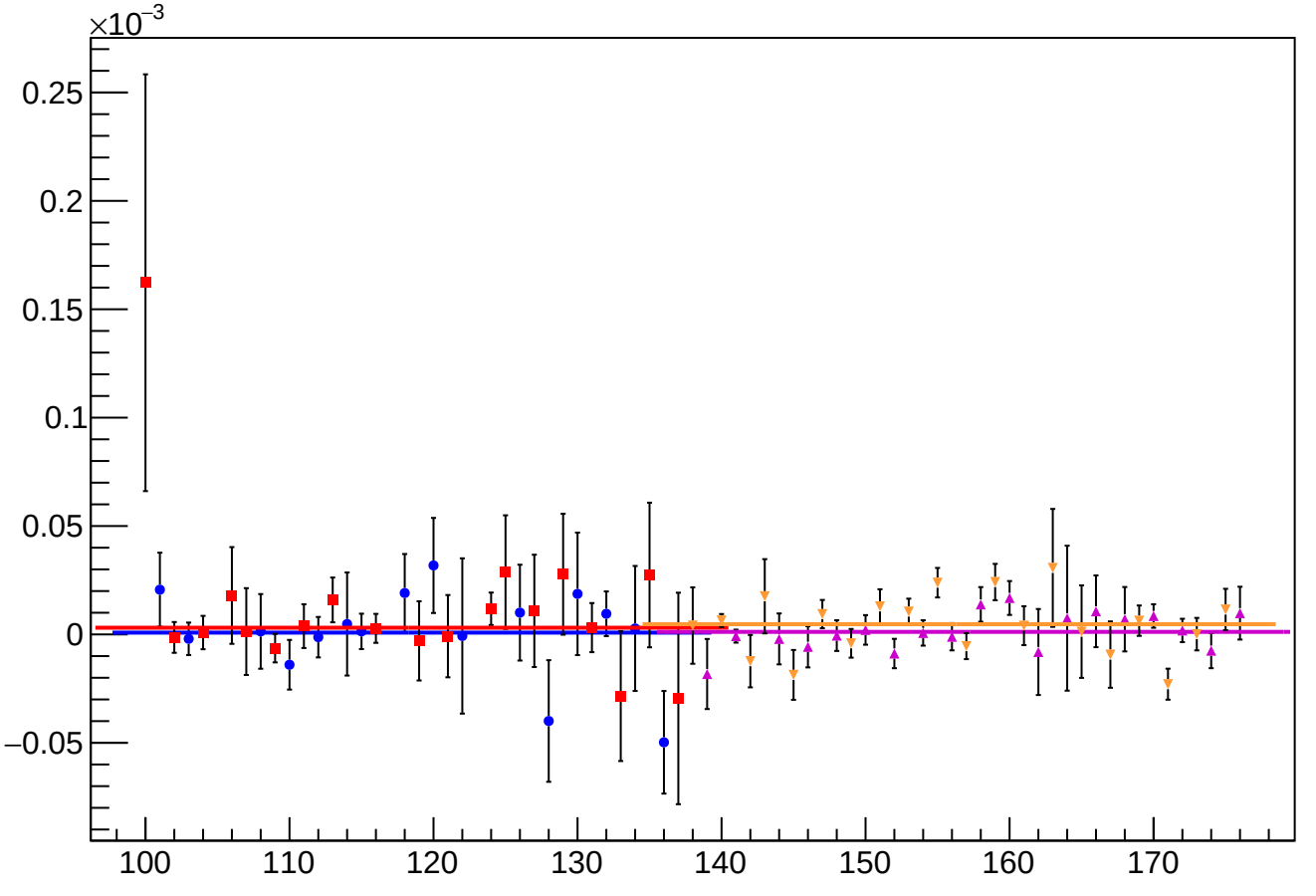
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.120+/-0.042 χ^2/NDF:2155051.9/18

+ sign 186.006+/-0.030 χ^2/NDF: 6313843.7/35

All: 178.016+/-0.021 χ^2/NDF: 14170422.8/73

- sign 170.794+/-0.028 χ^2/NDF: 7721288.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.2/19

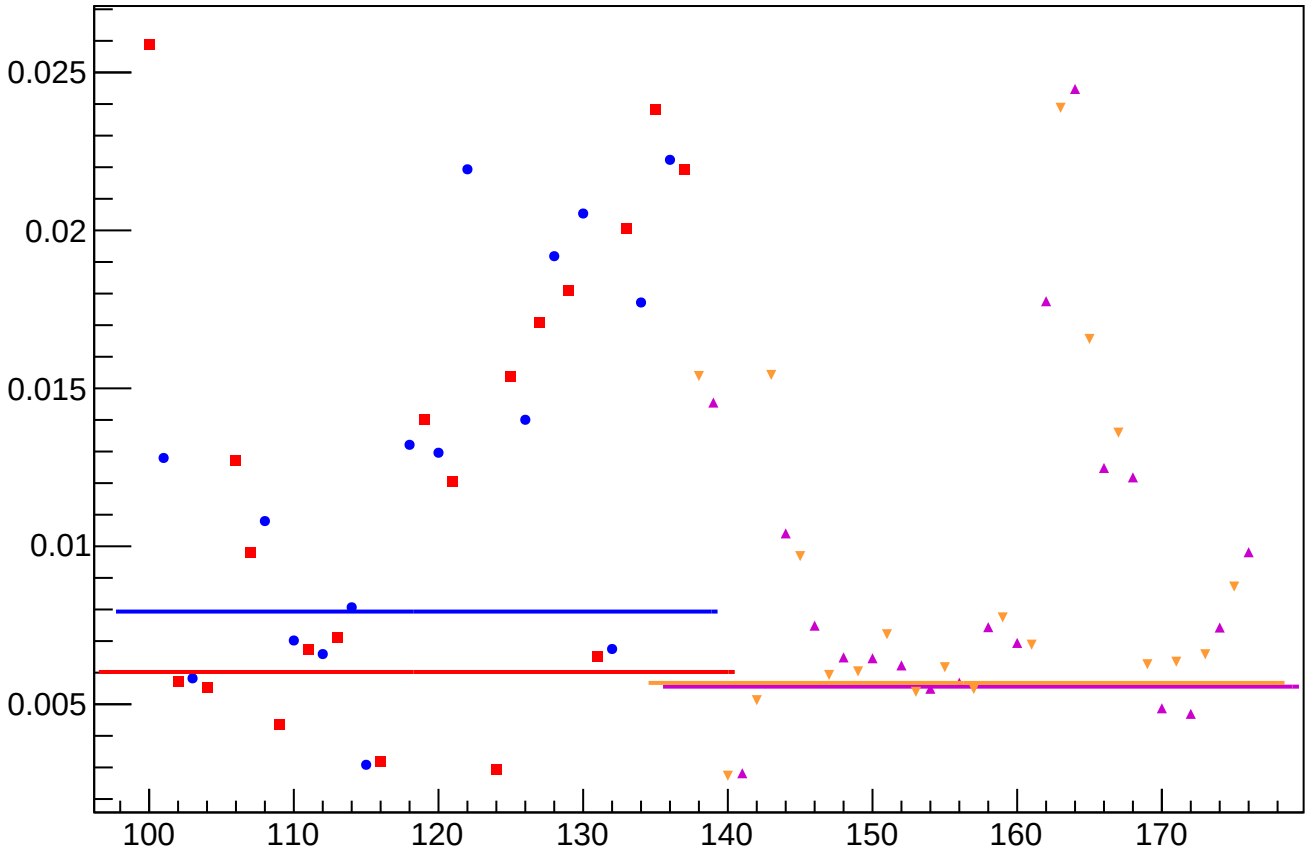
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:15.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 60.5/35

All: 0.000+/-0.000 χ^2/NDF: 90.5/73

- sign 0.000+/-0.000 χ^2/NDF: 28.7/37



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:5915914.9/19

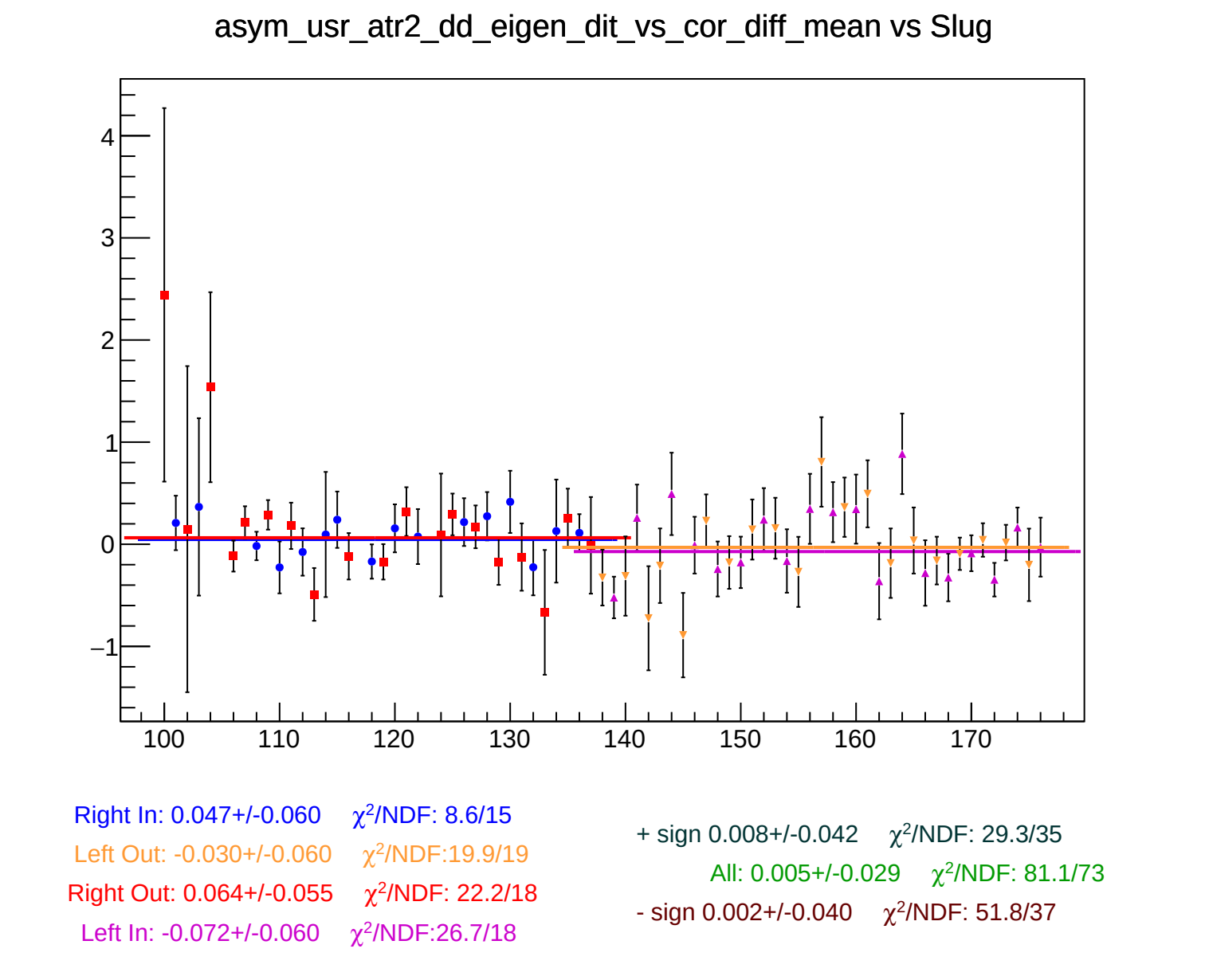
Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

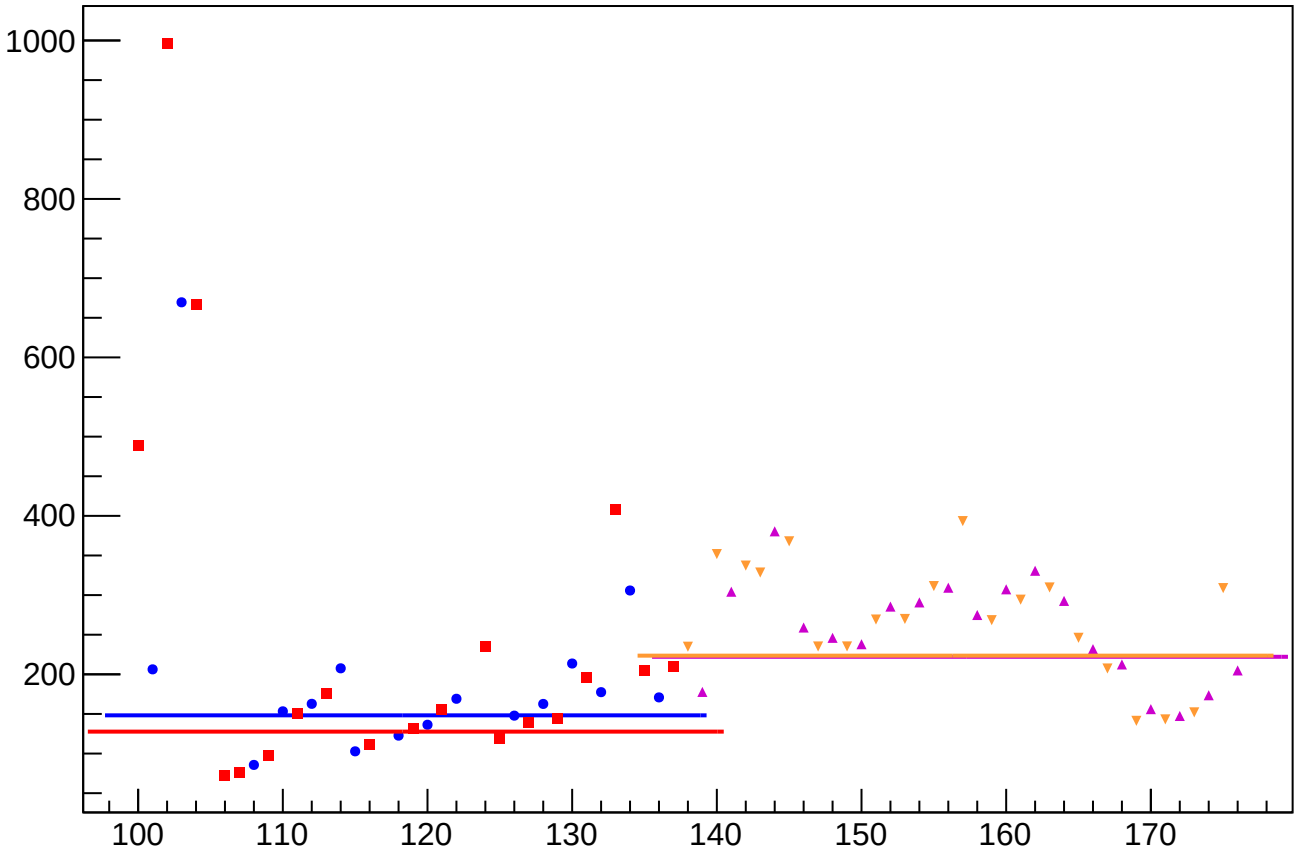
Left In: 0.006+/-0.000 χ^2/NDF:5554096.0/18

+ sign 0.006+/-0.000 χ^2/NDF: 10190265.3/35

All: 0.006+/-0.000 χ^2/NDF: 19878574.7/73

- sign 0.006+/-0.000 χ^2/NDF: 9608838.9/37


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.030+/-0.060 χ²/NDF:19.9/19
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.072+/-0.060 χ²/NDF:26.7/18
+ sign 0.008+/-0.042 χ²/NDF: 29.3/35
All: 0.005+/-0.029 χ²/NDF: 81.1/73
- sign 0.002+/-0.040 χ²/NDF: 51.8/37



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 223.567+/-0.042 χ^2/NDF:3025025.2/19

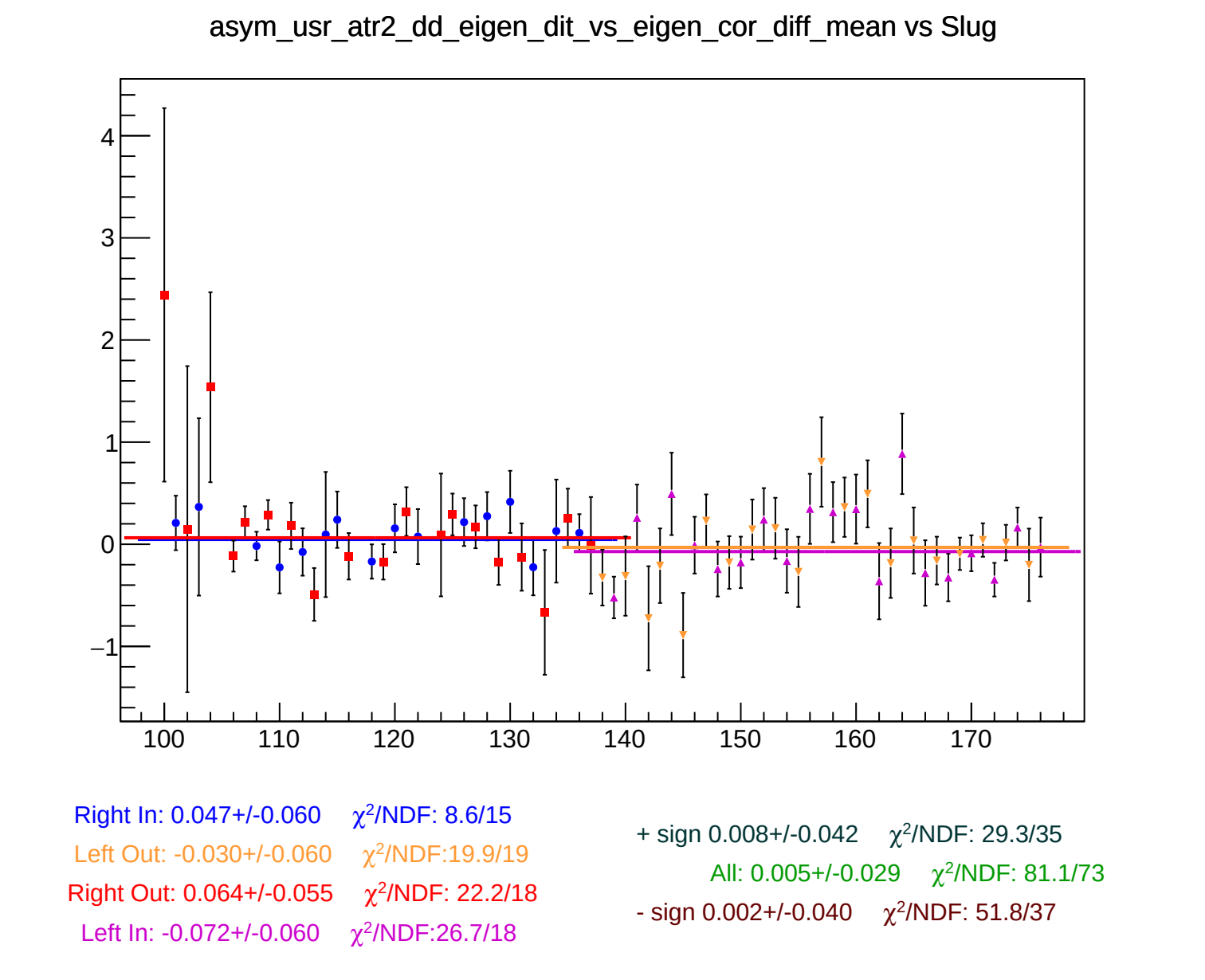
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

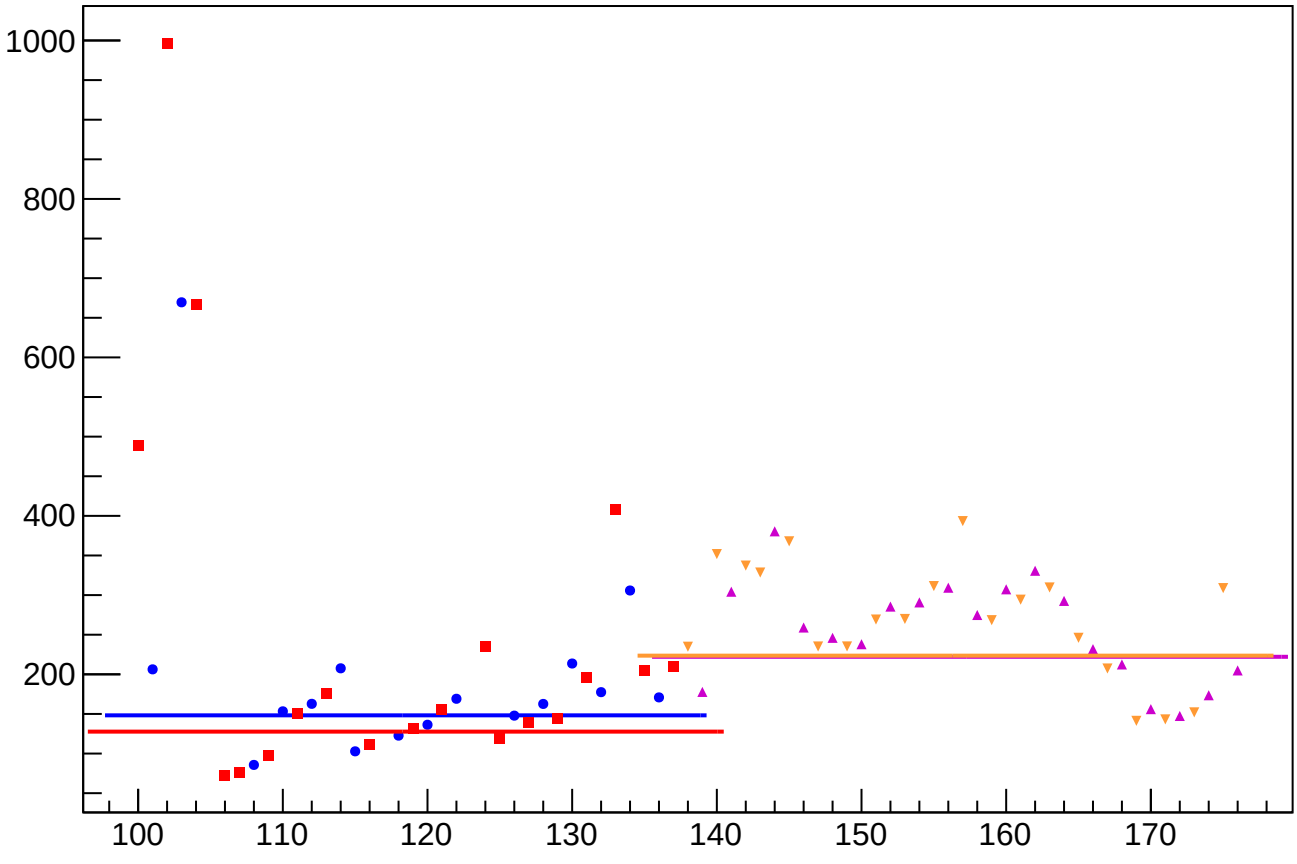
Left In: 222.122+/-0.042 χ^2/NDF:2155095.8/18

+ sign 186.005+/-0.030 χ^2/NDF: 6314197.9/35

All: 178.016+/-0.021 χ^2/NDF: 14170841.3/73

- sign 170.794+/-0.028 χ^2/NDF: 7721386.2/37


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.030+/-0.060 χ²/NDF:19.9/19
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.072+/-0.060 χ²/NDF:26.7/18
+ sign 0.008+/-0.042 χ²/NDF: 29.3/35
All: 0.005+/-0.029 χ²/NDF: 81.1/73
- sign 0.002+/-0.040 χ²/NDF: 51.8/37



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 223.567+/-0.042 χ^2/NDF:3025025.2/19

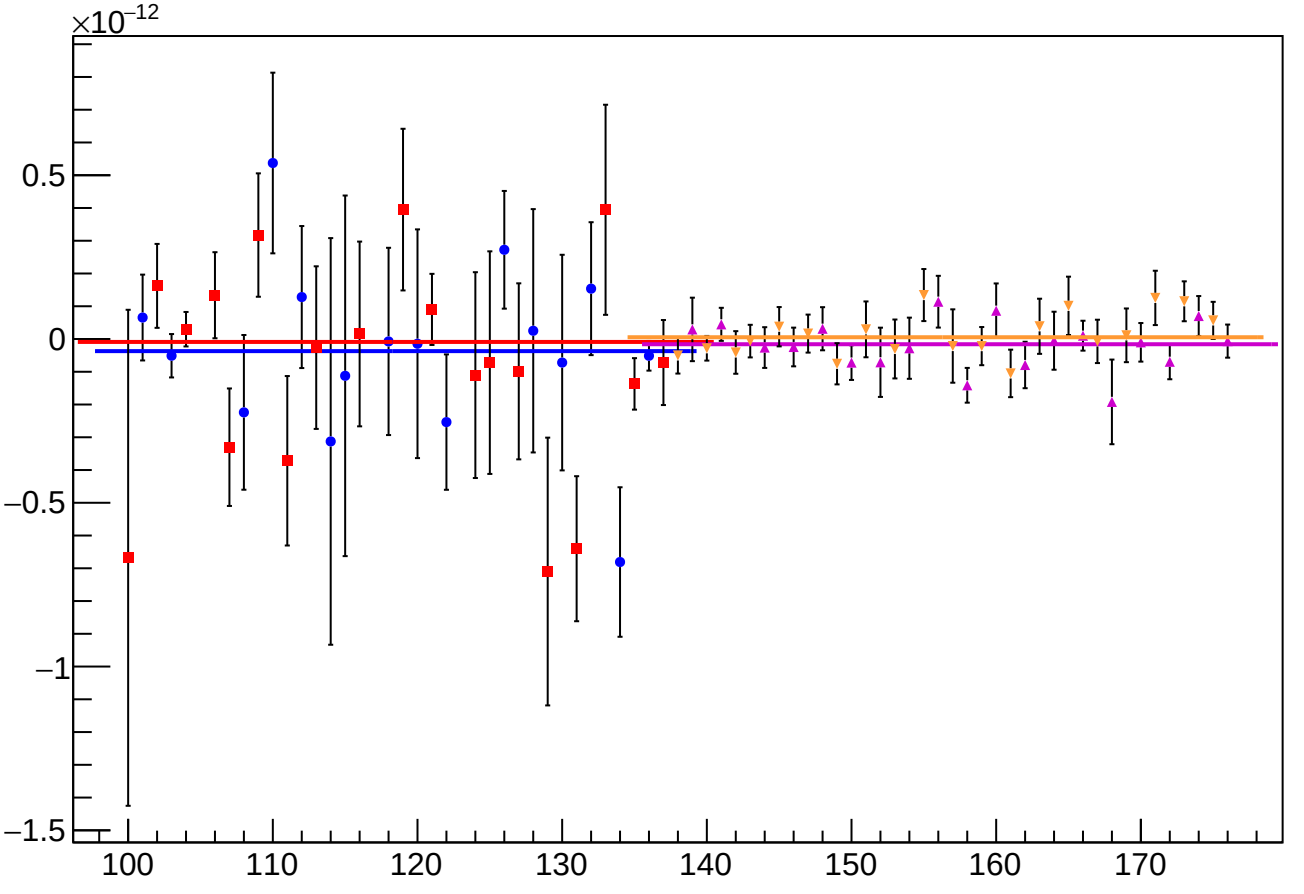
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.122+/-0.042 χ^2/NDF:2155095.8/18

+ sign 186.005+/-0.030 χ^2/NDF: 6314197.9/35

All: 178.016+/-0.021 χ^2/NDF: 14170841.3/73

- sign 170.794+/-0.028 χ^2/NDF: 7721386.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/19

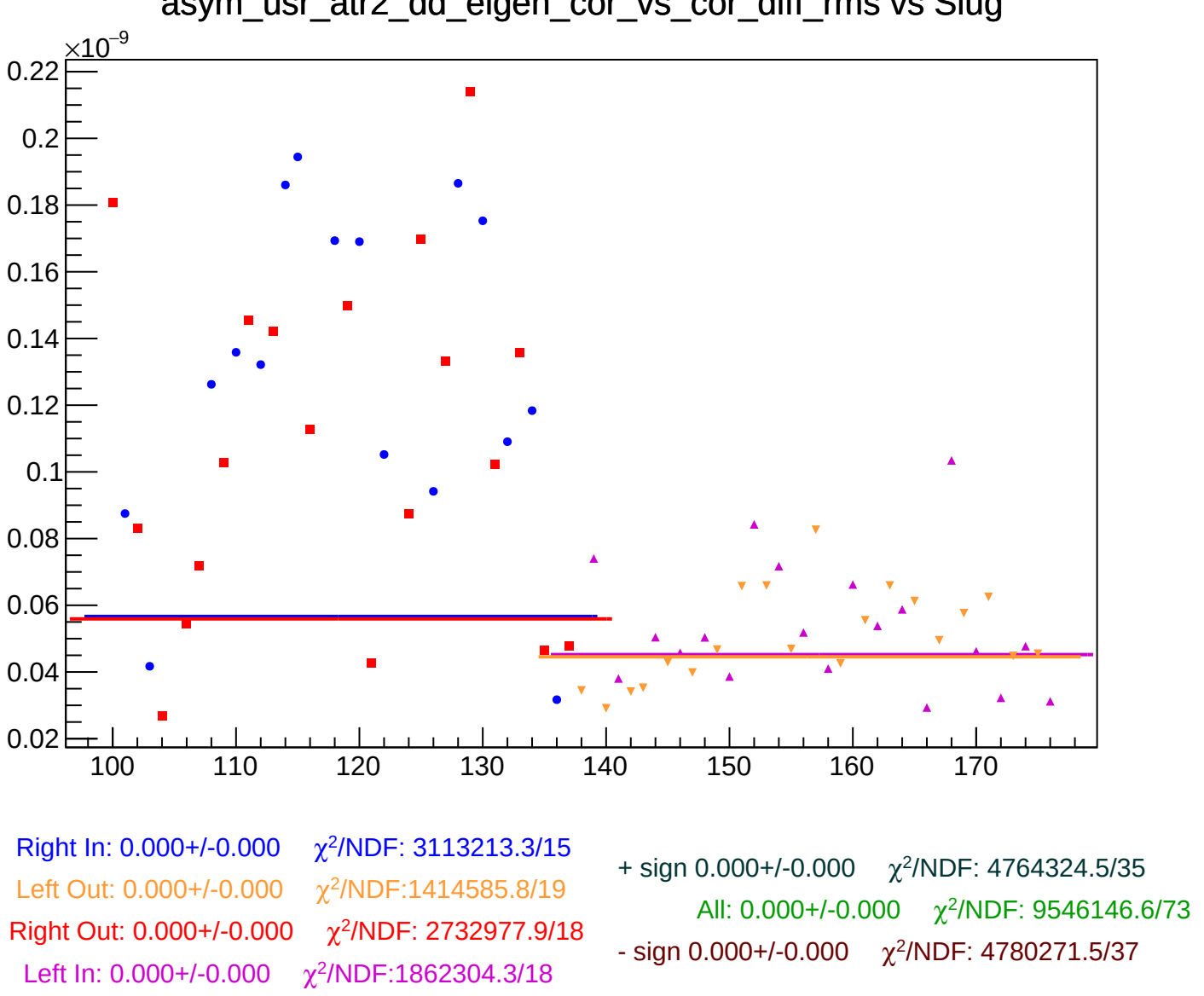
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.5/18

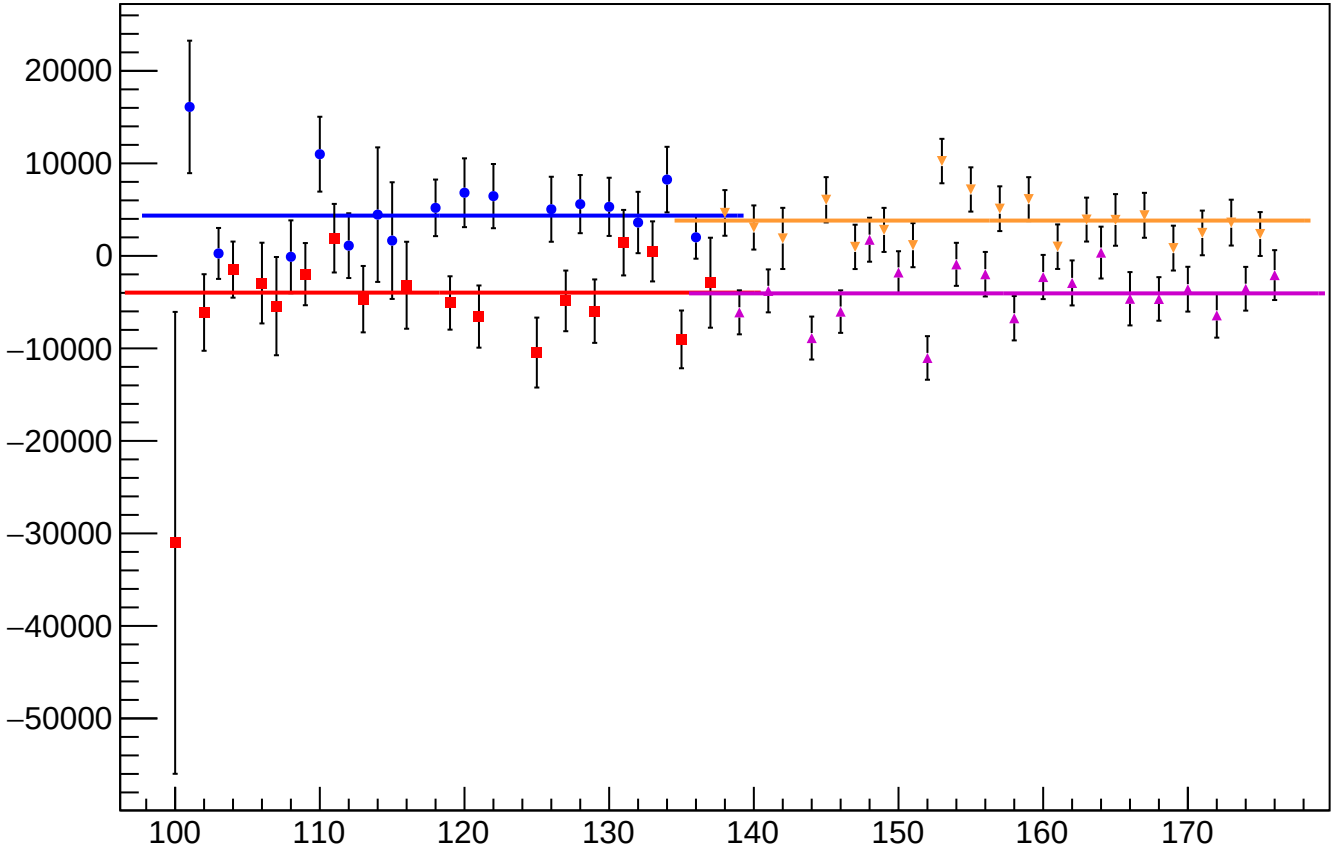
+ sign -0.000+/-0.000 χ^2/NDF: 38.3/35

All: -0.000+/-0.000 χ^2/NDF: 90.0/73

- sign -0.000+/-0.000 χ^2/NDF: 51.3/37


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1414585.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:1862304.3/18
+ sign 0.000+/-0.000 χ²/NDF: 4764324.5/35
All: 0.000+/-0.000 χ²/NDF: 9546146.6/73
- sign 0.000+/-0.000 χ²/NDF: 4780271.5/37

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3817.378+/-563.326 χ^2/NDF:18.2/18

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

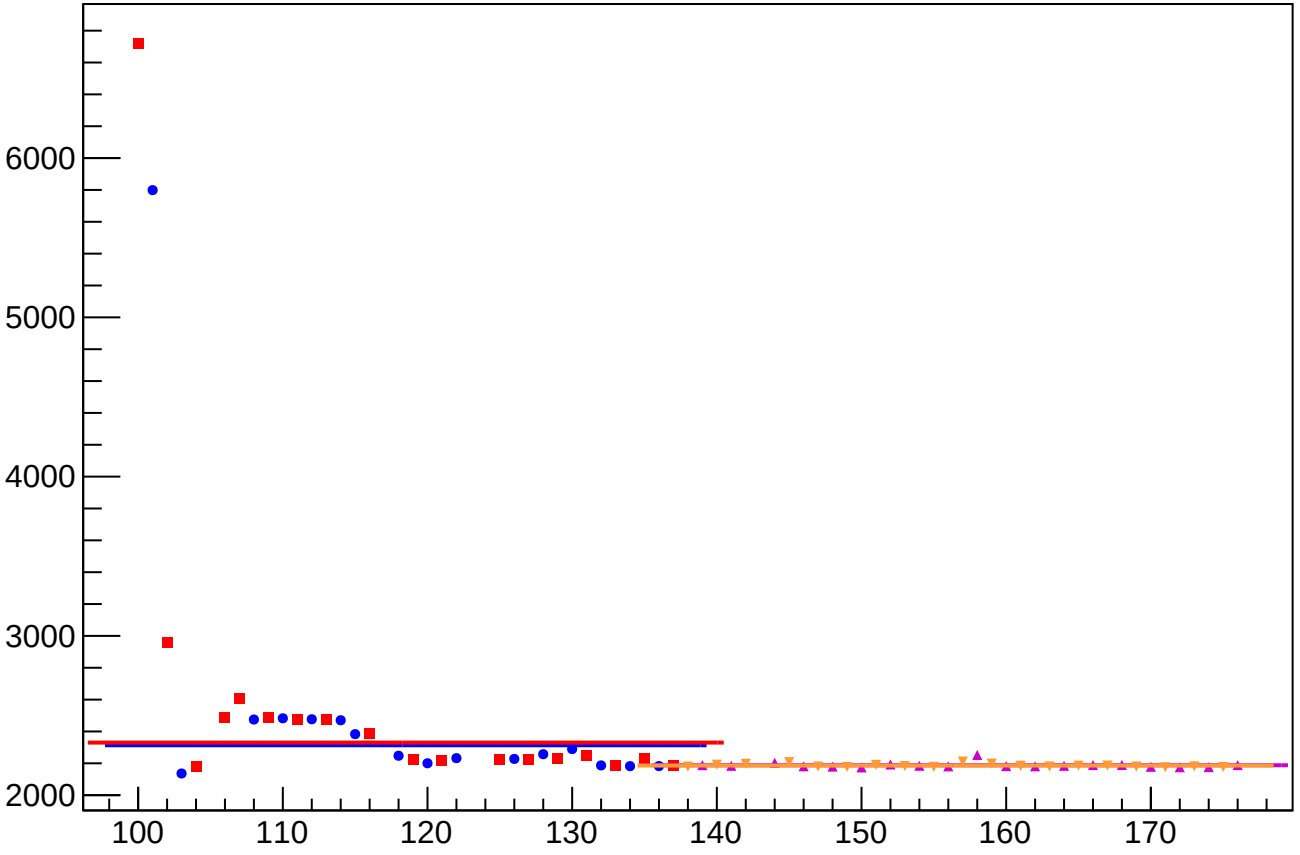
Left In: -4052.283+/-554.991 χ^2/NDF:30.3/18

+ sign 3974.685+/-473.679 χ^2/NDF: 31.9/34

All: -74.603+/-332.950 χ^2/NDF: 222.8/71

- sign -4029.019+/-468.097 χ^2/NDF: 46.4/36

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.086+/-0.398 χ^2/NDF:634.8/18

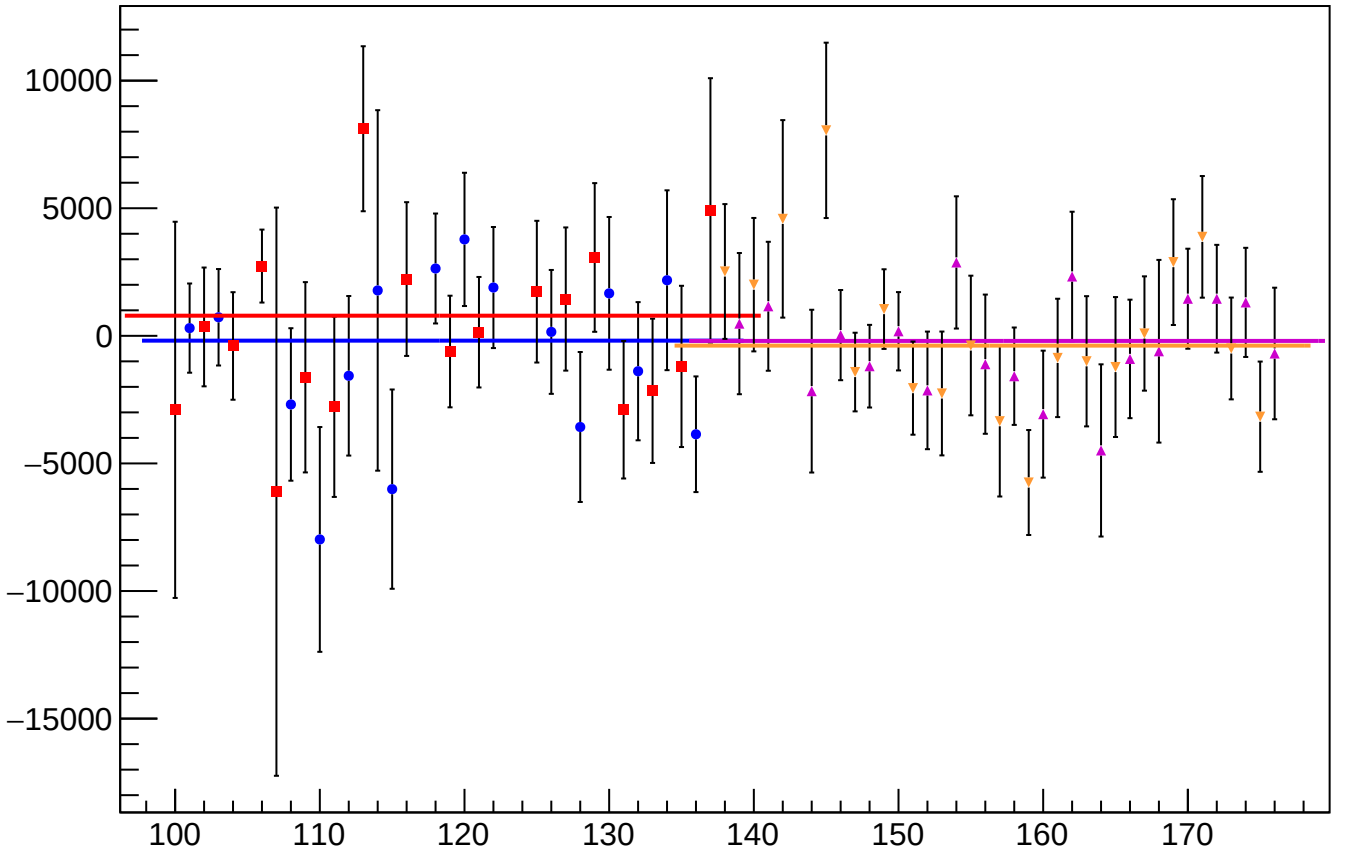
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.883+/-0.392 χ^2/NDF:1858.9/18

+ sign 2223.387+/-0.335 χ^2/NDF: 542939.6/34

All: 2226.206+/-0.235 χ^2/NDF: 734107.3/71

- sign 2228.959+/-0.331 χ^2/NDF: 191027.7/36



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -383.422+/-519.448 χ^2/NDF:27.1/18

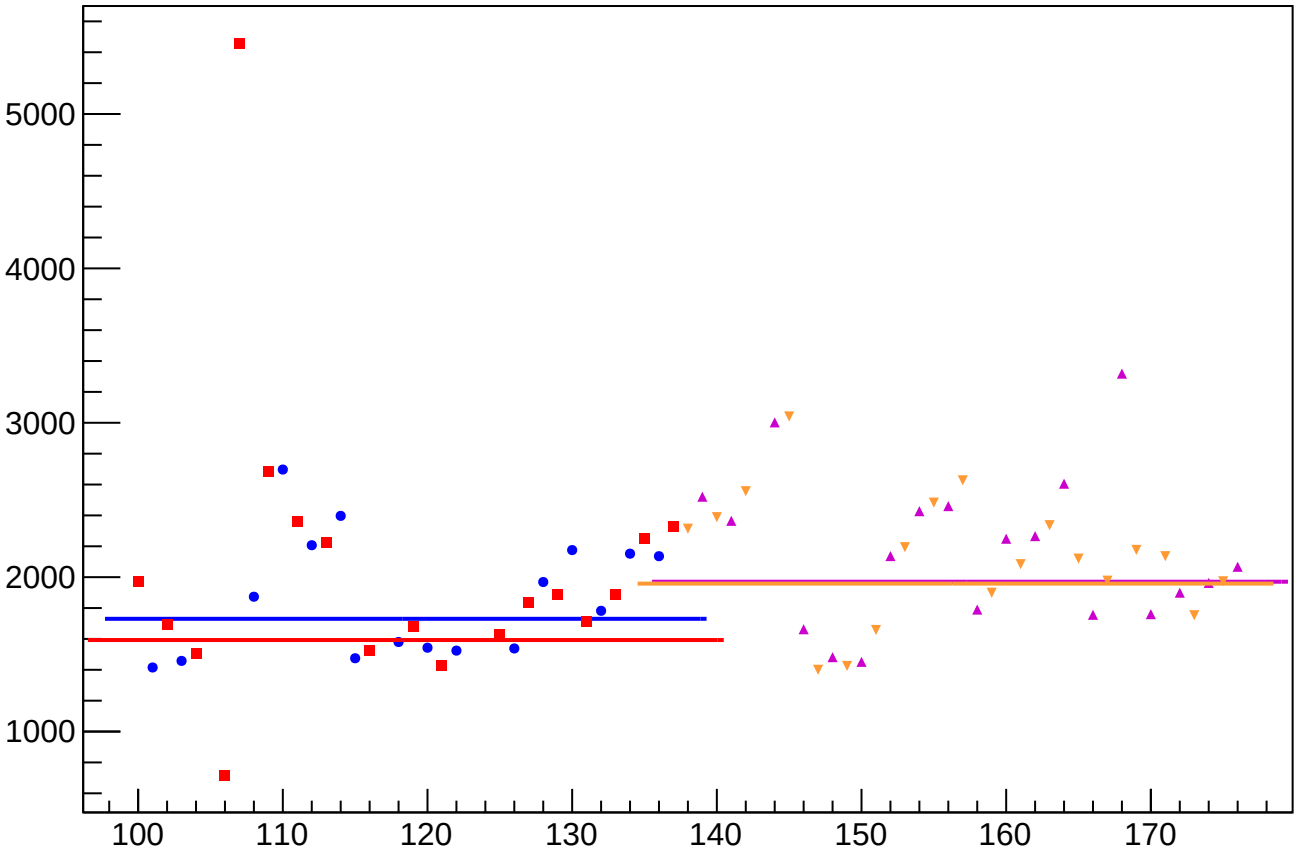
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -198.928+/-514.337 χ^2/NDF:9.8/18

+ sign -308.692+/-407.793 χ^2/NDF: 43.6/34

All: -52.967+/-285.431 χ^2/NDF: 70.6/71

- sign 192.649+/-399.652 χ^2/NDF: 26.2/36



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1958.275+/-0.367 χ^2/NDF:1188864.2/18

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

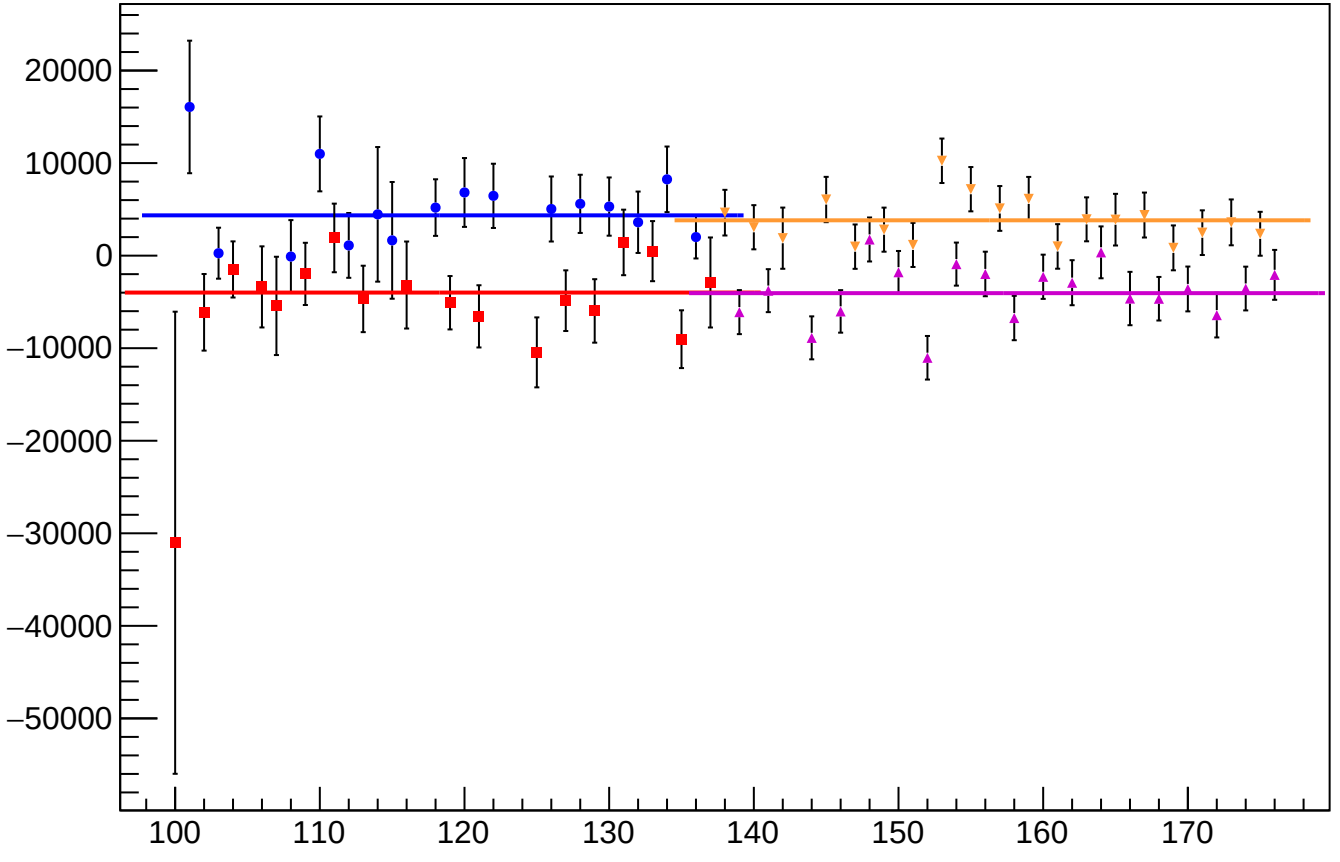
Left In: 1970.593+/-0.364 χ^2/NDF:1415514.9/18

+ sign 1870.797+/-0.288 χ^2/NDF: 1815622.7/34

All: 1845.349+/-0.202 χ^2/NDF: 5230115.3/71

- sign 1820.908+/-0.283 χ^2/NDF: 3399224.0/36

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3817.326+/-563.326 χ^2/NDF:18.2/18

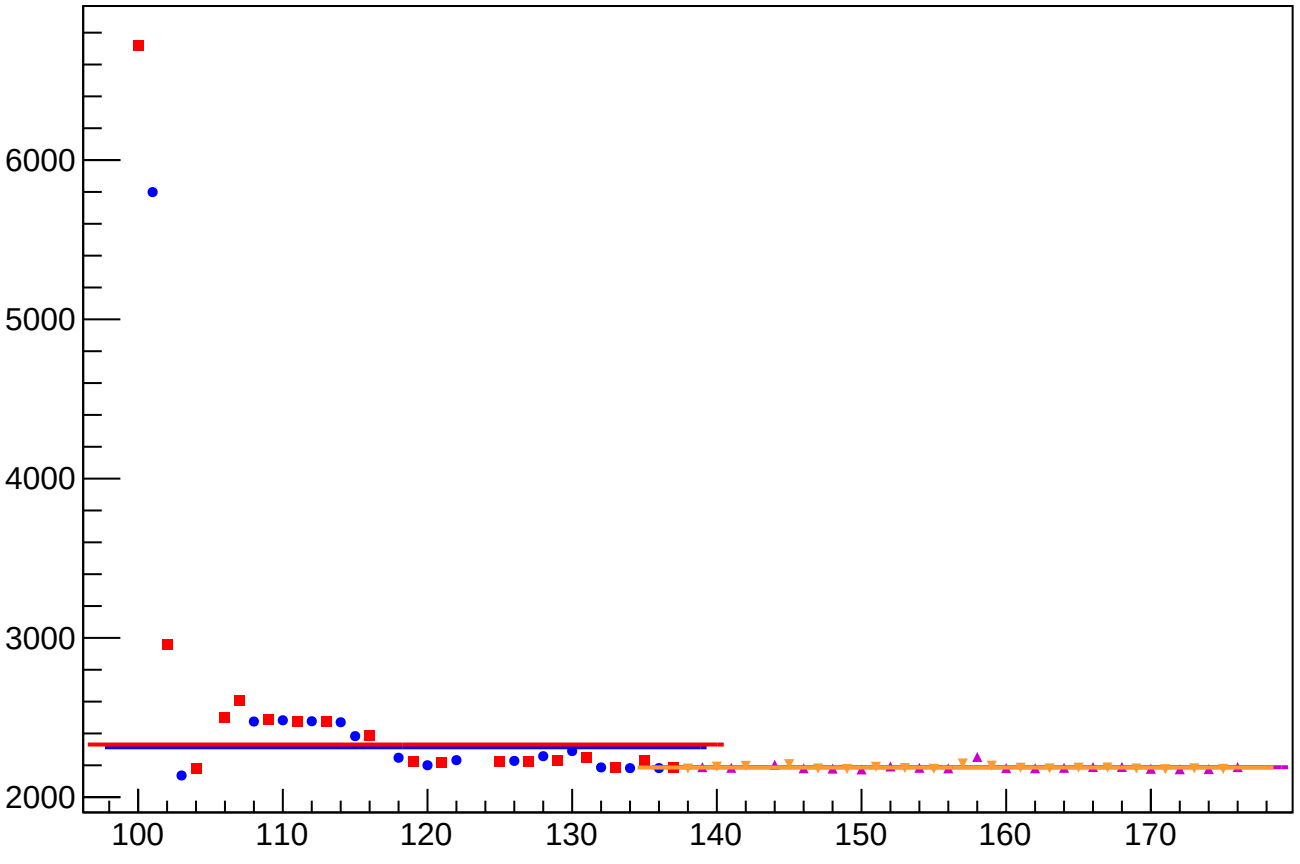
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -4052.383+/-554.991 χ^2/NDF:30.3/18

+ sign 3974.450+/-473.679 χ^2/NDF: 31.9/34

All: -77.216+/-332.959 χ^2/NDF: 222.9/71

- sign -4034.349+/-468.120 χ^2/NDF: 46.4/36



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.086+/-0.398 χ^2/NDF:634.8/18

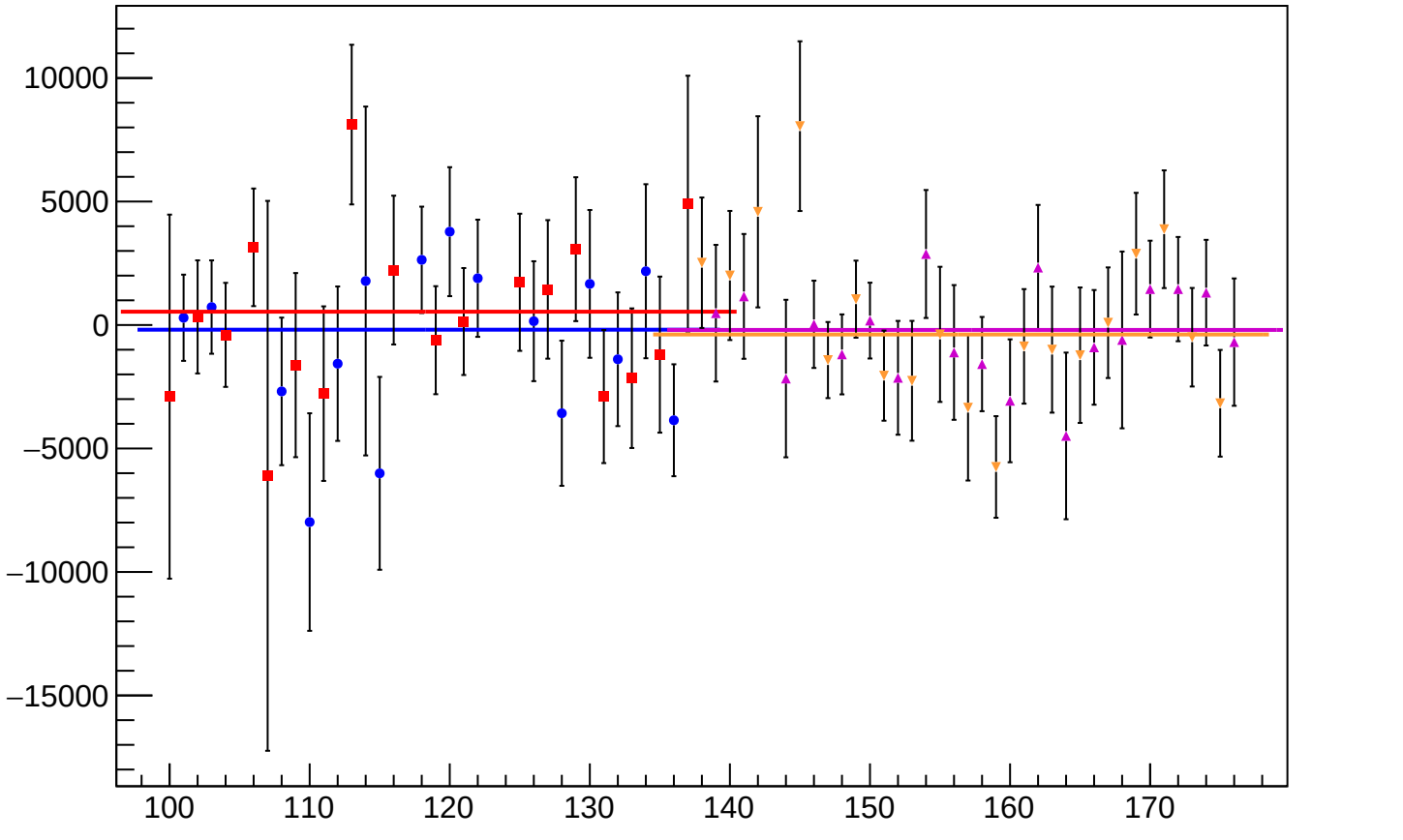
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.883+/-0.392 χ^2/NDF:1858.9/18

+ sign 2223.387+/-0.335 χ^2/NDF: 542940.0/34

All: 2226.255+/-0.235 χ^2/NDF: 734646.6/71

- sign 2229.056+/-0.331 χ^2/NDF: 191561.7/36



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -383.532+/-519.447 χ^2/NDF:27.1/18

Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

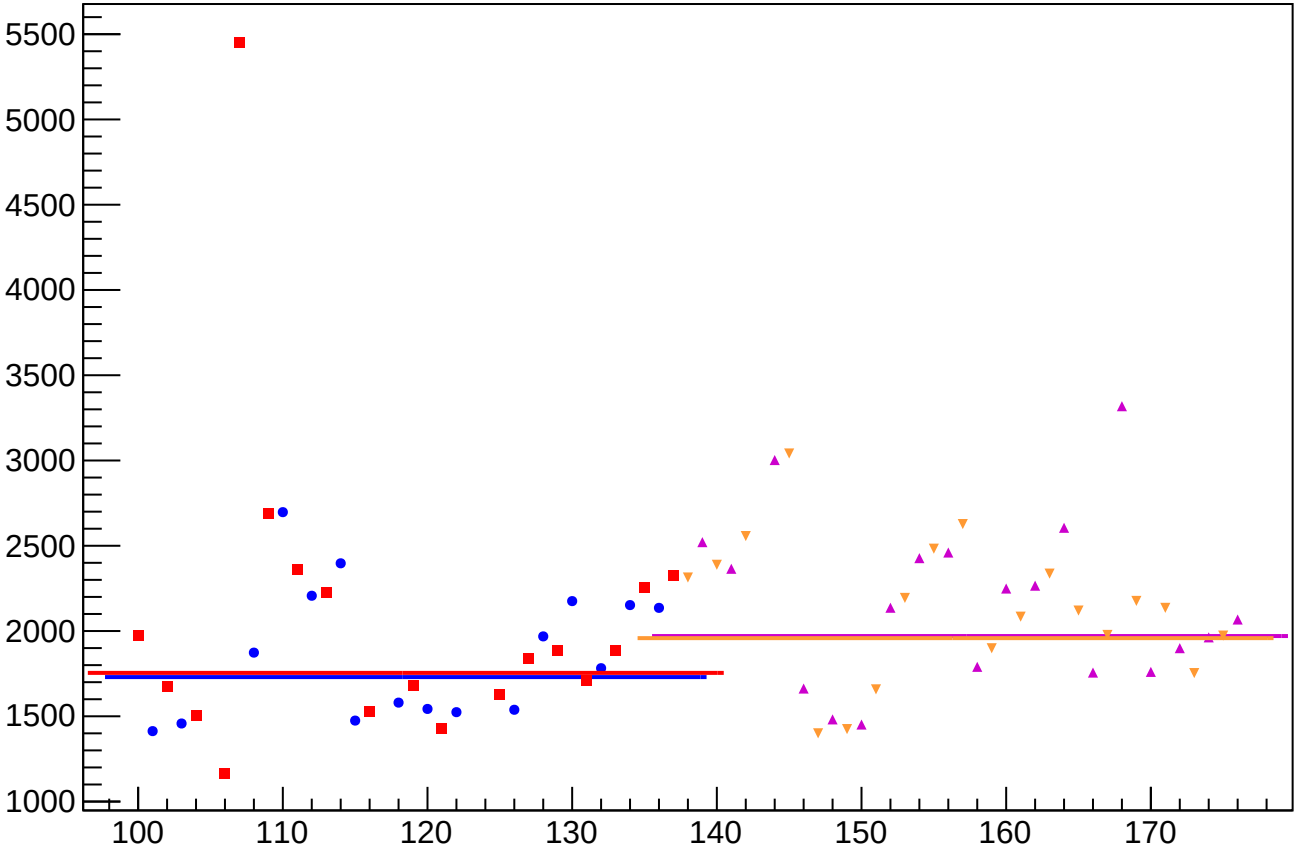
Left In: -199.041+/-514.339 χ^2/NDF:9.8/18

+ sign -309.166+/-407.762 χ^2/NDF: 43.6/34

All: -120.223+/-289.056 χ^2/NDF: 68.5/71

- sign 70.629+/-409.818 χ^2/NDF: 24.5/36

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1958.270+/-0.367 χ^2/NDF:1188904.2/18

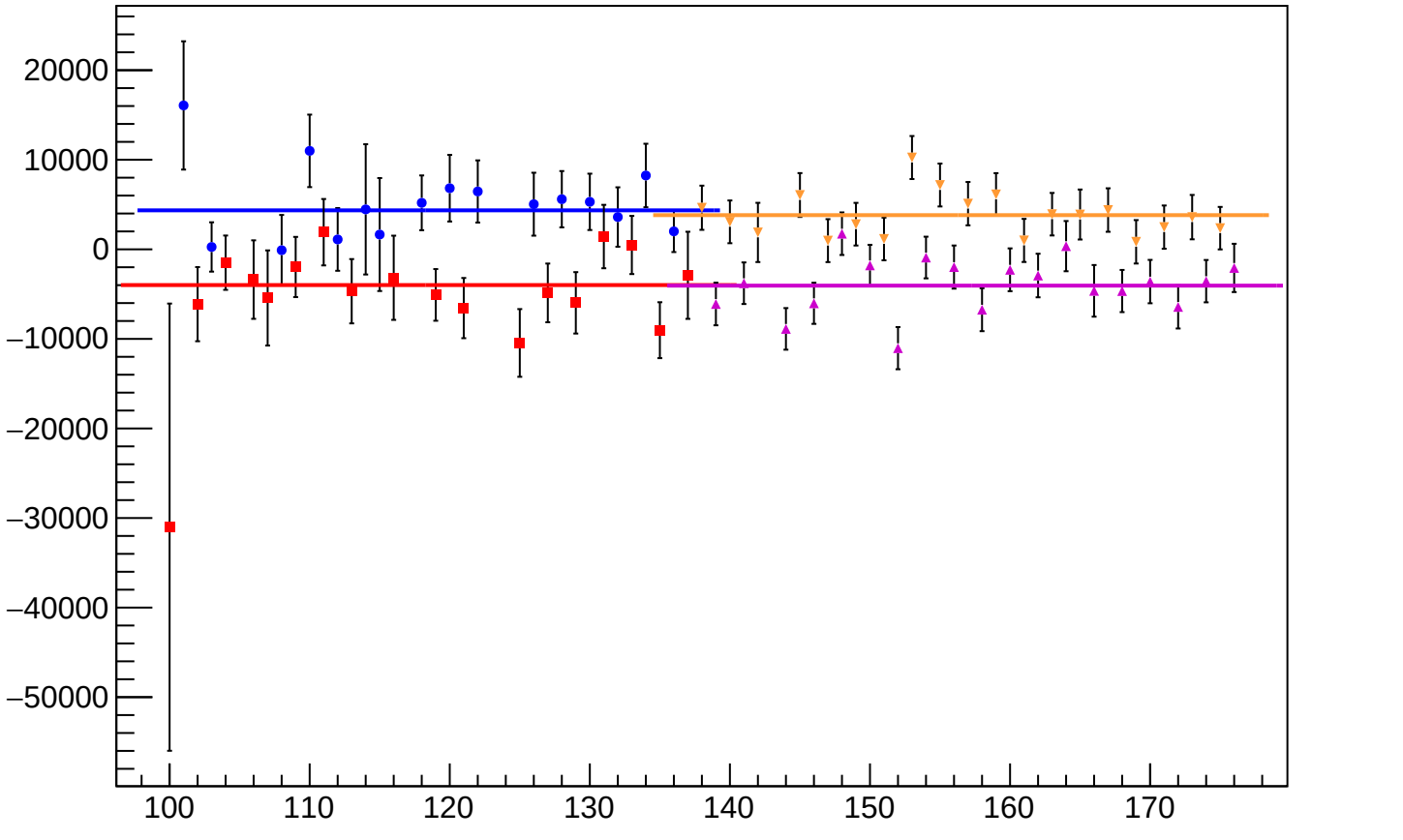
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1970.599+/-0.364 χ^2/NDF:1415536.9/18

+ sign 1870.623+/-0.288 χ^2/NDF: 1817163.9/34

All: 1881.111+/-0.204 χ^2/NDF: 4115248.6/71

- sign 1891.704+/-0.290 χ^2/NDF: 2295425.4/36



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3817.326+/-563.326 χ^2/NDF:18.2/18

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

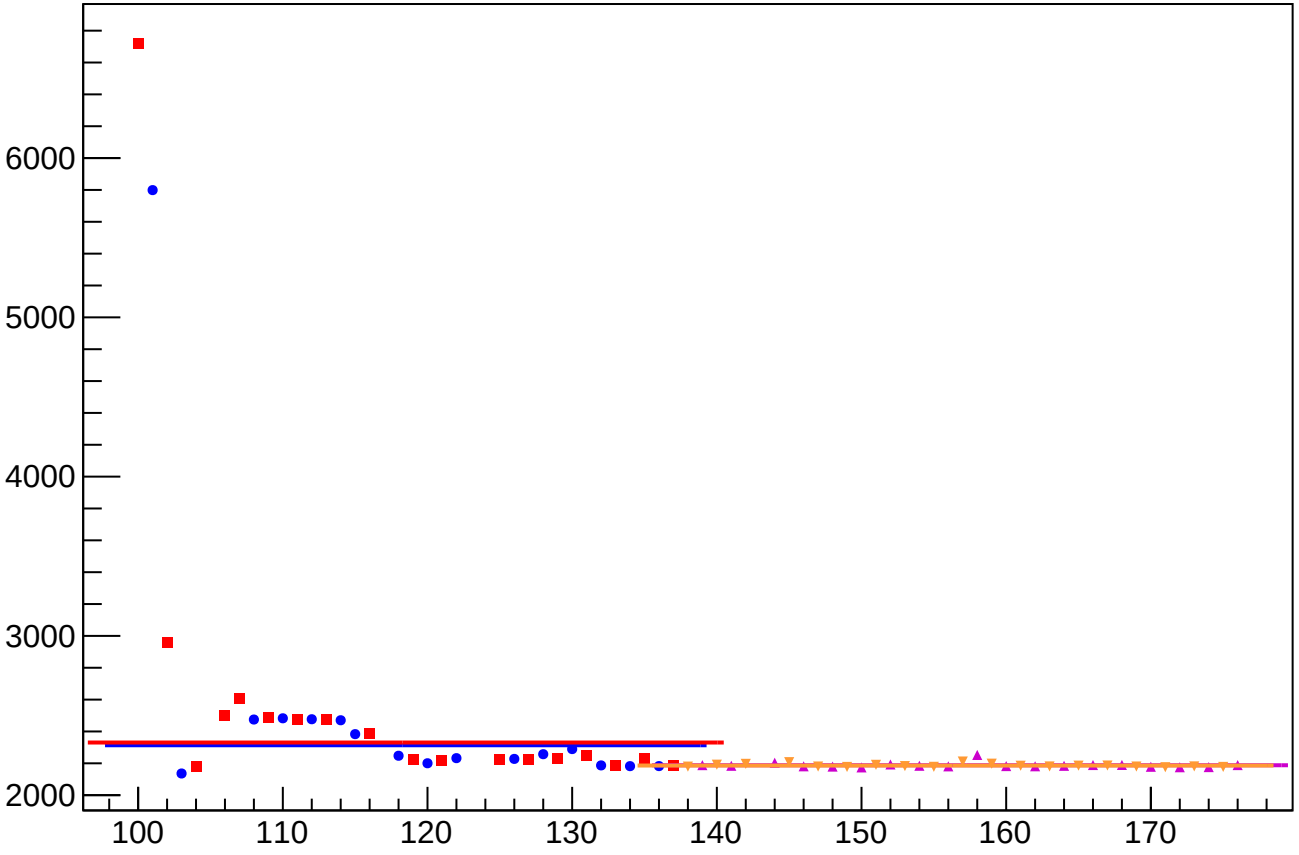
Left In: -4052.383+/-554.991 χ^2/NDF:30.3/18

+ sign 3974.450+/-473.679 χ^2/NDF: 31.9/34

All: -77.216+/-332.959 χ^2/NDF: 222.9/71

- sign -4034.349+/-468.120 χ^2/NDF: 46.4/36

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: 2186.086+/-0.398 χ^2/NDF:634.8/18

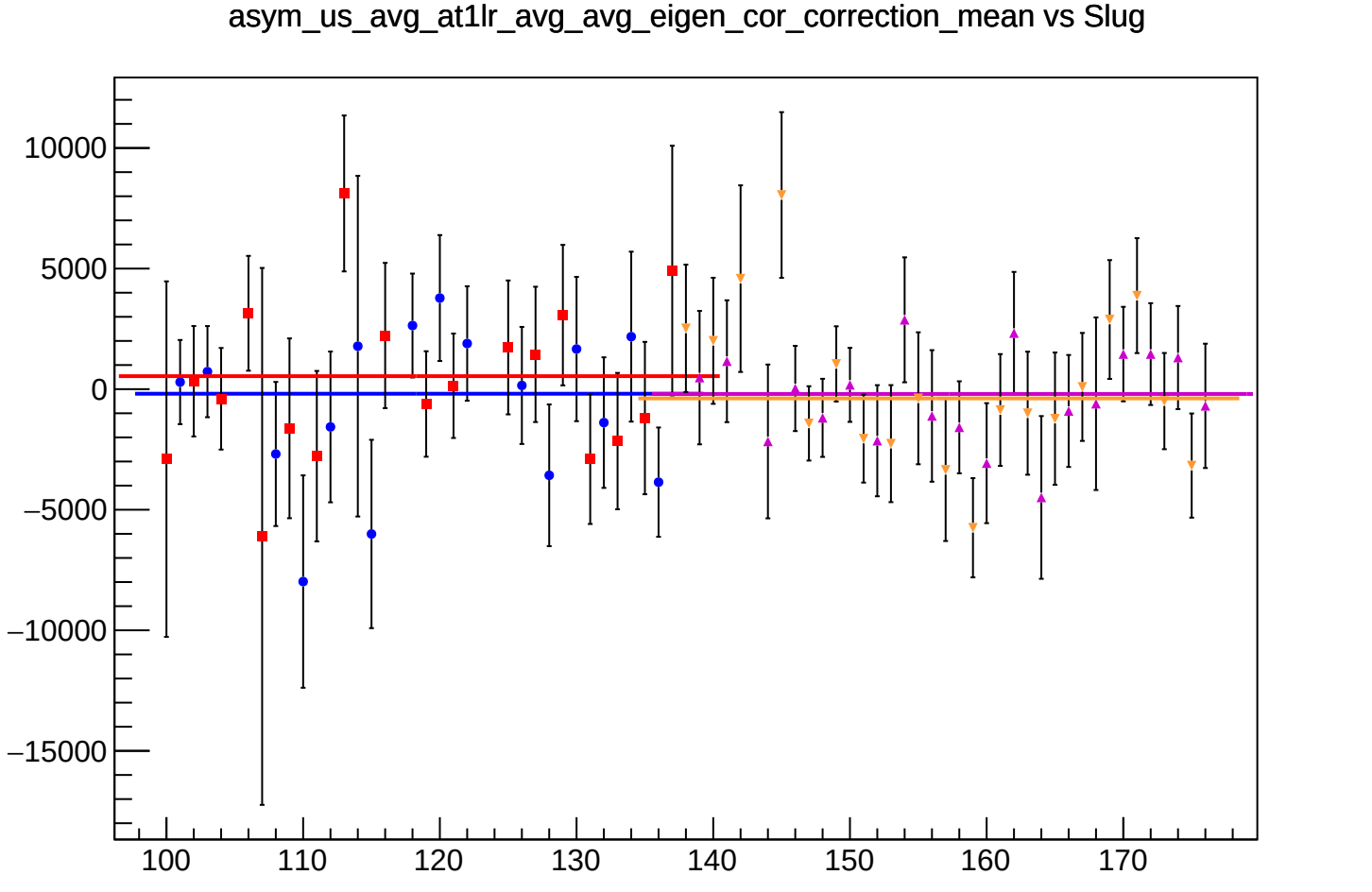
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.883+/-0.392 χ^2/NDF:1858.9/18

+ sign 2223.387+/-0.335 χ^2/NDF: 542940.0/34

All: 2226.255+/-0.235 χ^2/NDF: 734646.6/71

- sign 2229.056+/-0.331 χ^2/NDF: 191561.7/36



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -383.532+/-519.447 χ^2/NDF:27.1/18

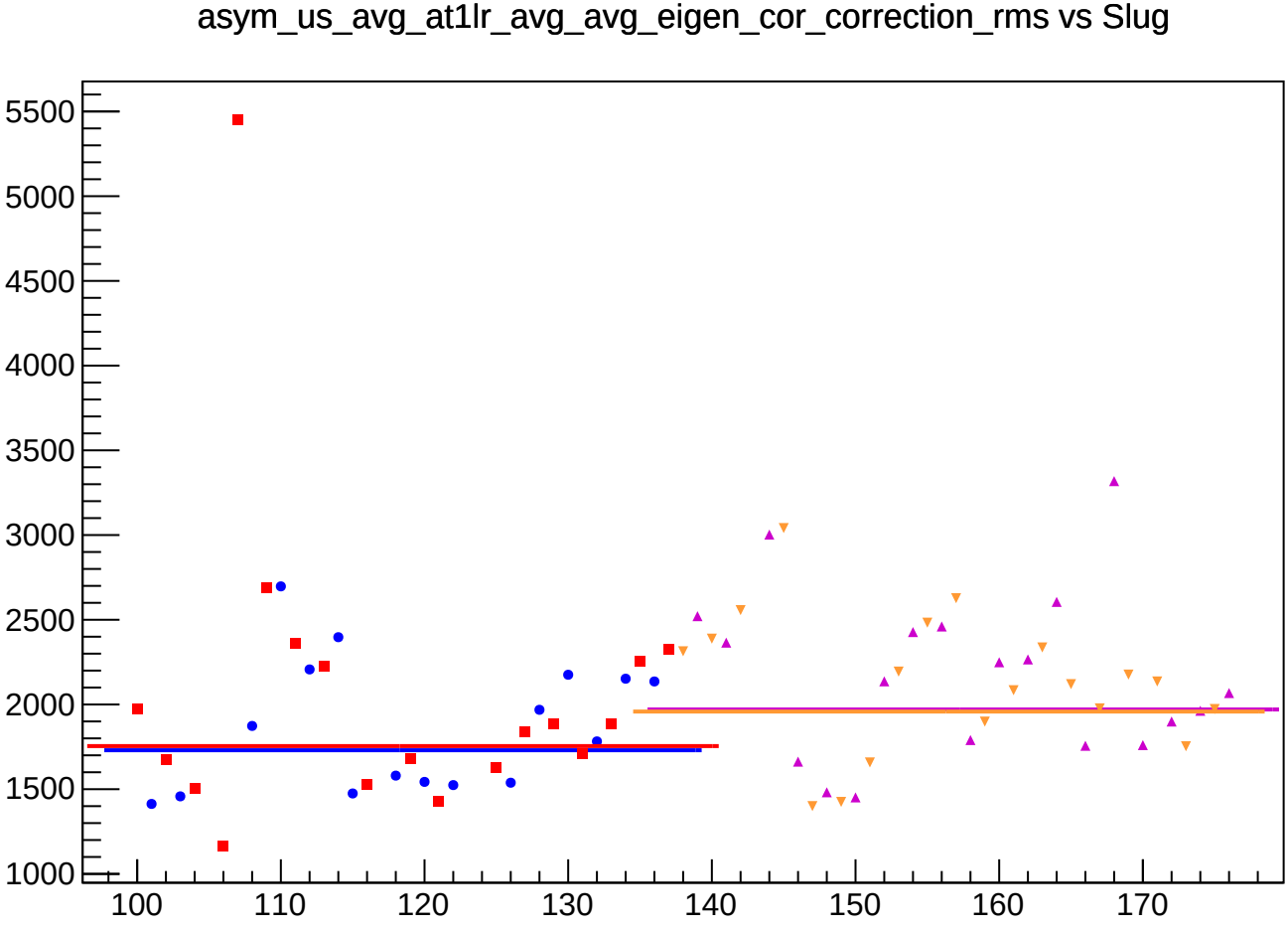
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -199.041+/-514.339 χ^2/NDF:9.8/18

+ sign -309.166+/-407.762 χ^2/NDF: 43.6/34

All: -120.223+/-289.056 χ^2/NDF: 68.5/71

- sign 70.629+/-409.818 χ^2/NDF: 24.5/36



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1958.270+/-0.367 χ^2/NDF:1188904.2/18

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

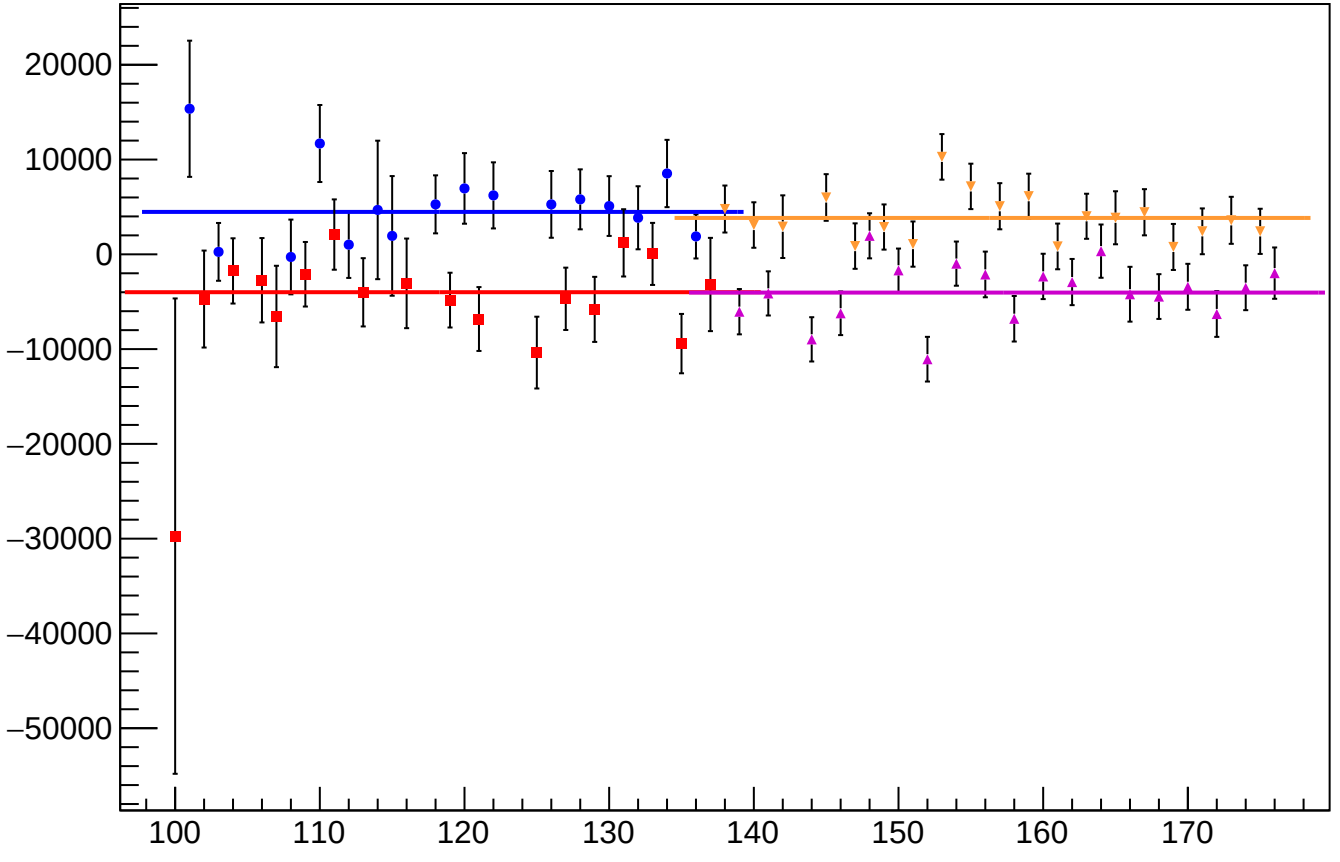
Left In: 1970.599+/-0.364 χ^2/NDF:1415536.9/18

+ sign 1870.623+/-0.288 χ^2/NDF: 1817163.9/34

All: 1881.111+/-0.204 χ^2/NDF: 4115248.6/71

- sign 1891.704+/-0.290 χ^2/NDF: 2295425.4/36

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3840.004+/-564.704 χ^2/NDF:18.3/18

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

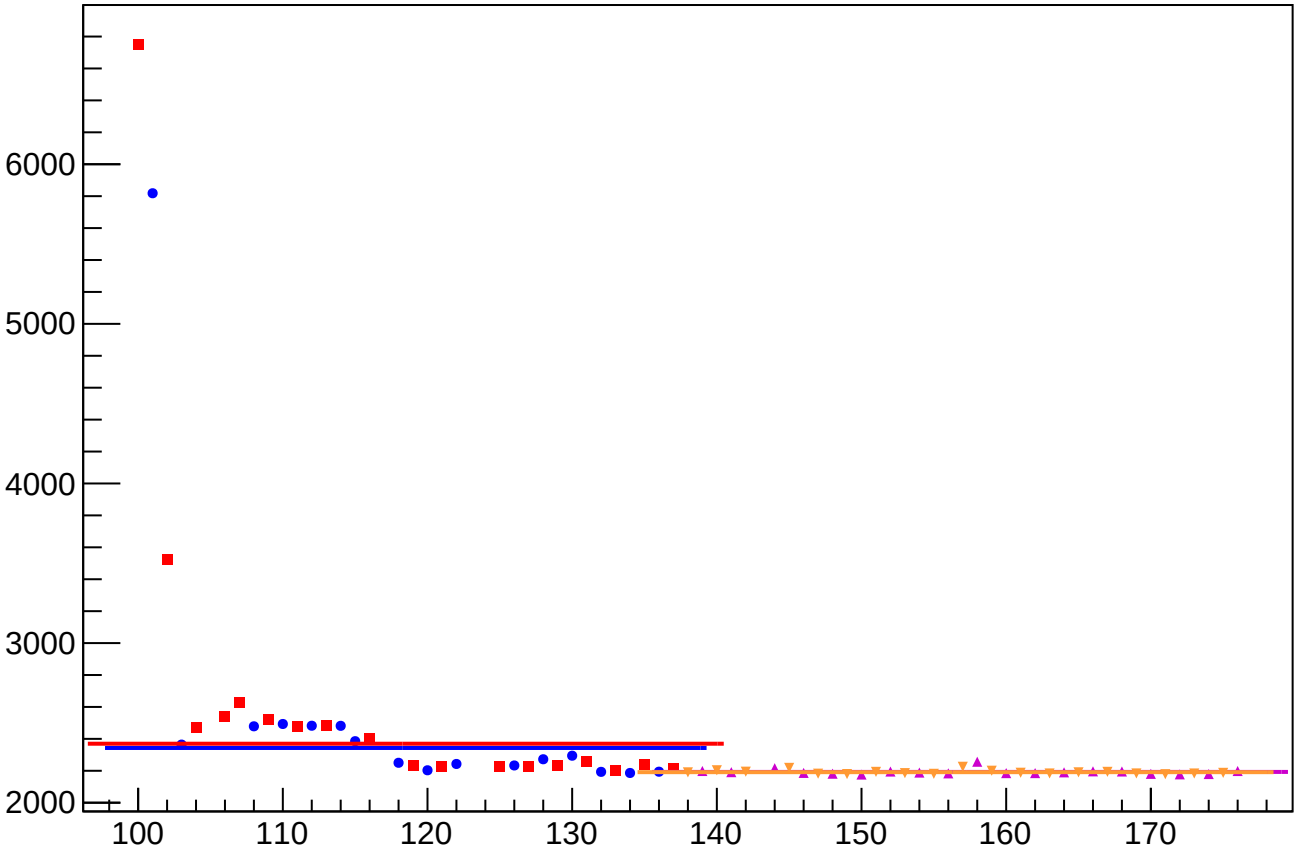
Left In: -4036.758+/-556.266 χ^2/NDF:30.7/18

\+ sign 4023.830+/-476.217 χ^2/NDF: 32.2/34

All: -38.435+/-335.154 χ^2/NDF: 222.7/71

\- sign -4025.262+/-471.774 χ^2/NDF: 46.2/36

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.347+/-0.399 χ^2/NDF:971.3/18

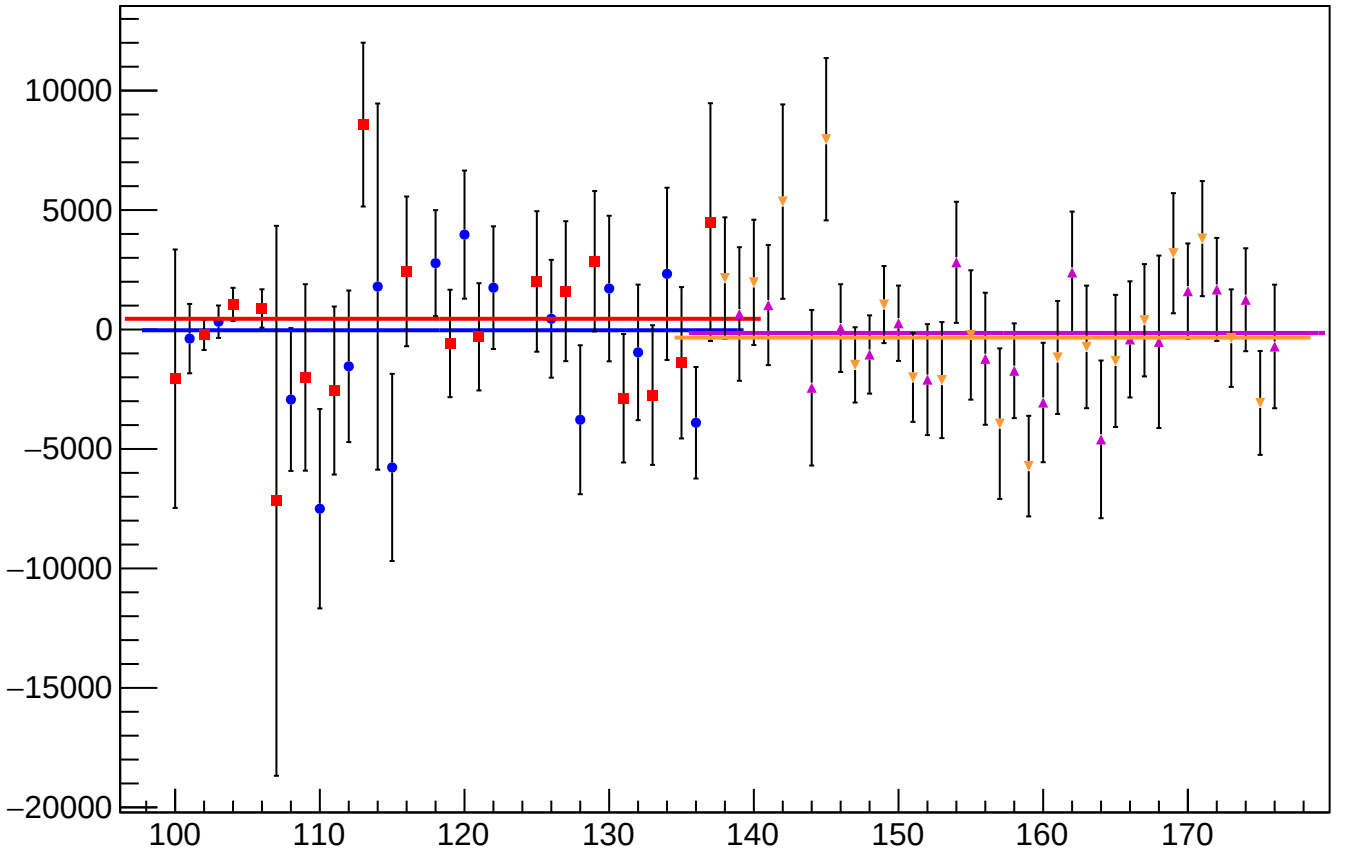
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.855+/-0.393 χ^2/NDF:2068.5/18

+ sign 2235.126+/-0.337 χ^2/NDF: 545452.8/34

All: 2238.828+/-0.237 χ^2/NDF: 814569.6/71

- sign 2242.461+/-0.334 χ^2/NDF: 268877.3/36



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -339.490+/-528.486 χ^2/NDF:27.0/18

Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

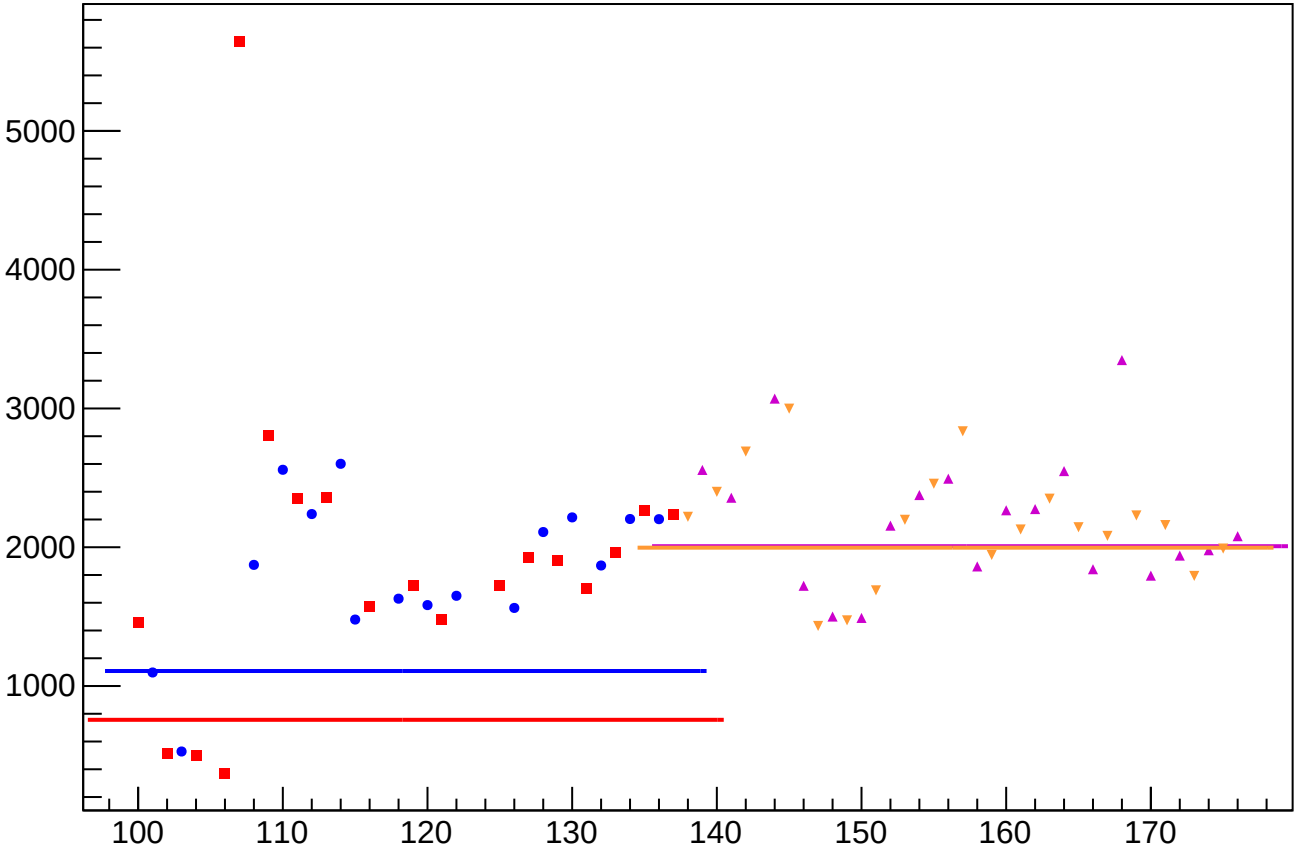
Left In: -143.697+/-522.594 χ^2/NDF:10.2/18

+ sign -172.350+/-357.464 χ^2/NDF: 43.5/34

All: 80.389+/-228.847 χ^2/NDF: 70.5/71

- sign 255.912+/-297.896 χ^2/NDF: 26.1/36

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1996.883+/-0.374 χ^2/NDF:1128966.5/18

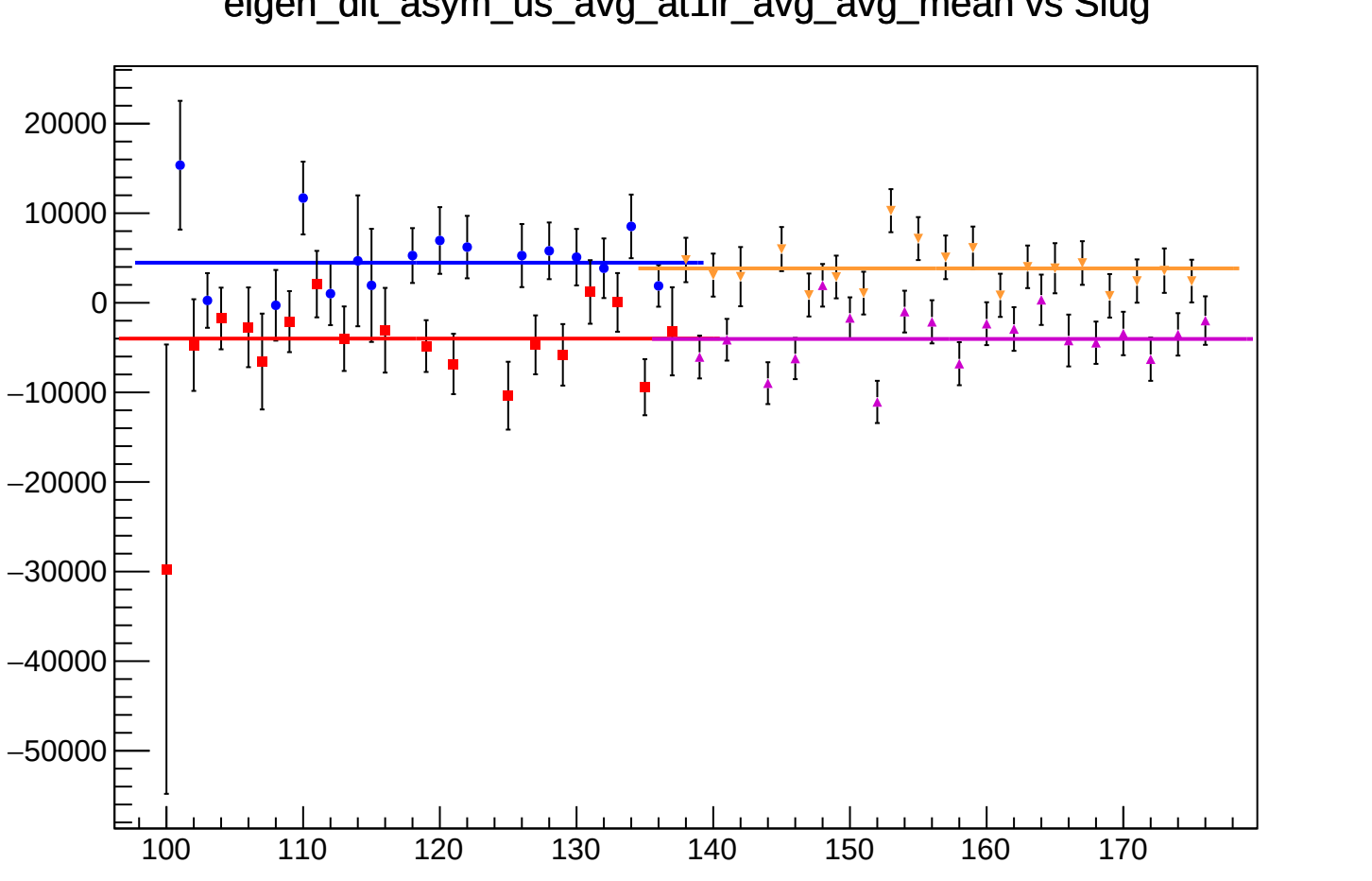
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2007.493+/-0.370 χ^2/NDF:1316648.6/18

+ sign 1514.746+/-0.253 χ^2/NDF: 7943825.9/34

All: 1307.127+/-0.162 χ^2/NDF: 23744611.2/7

- sign 1162.939+/-0.211 χ^2/NDF: 14657549.7/36



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3840.003+/-564.704 χ^2/NDF:18.3/18

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

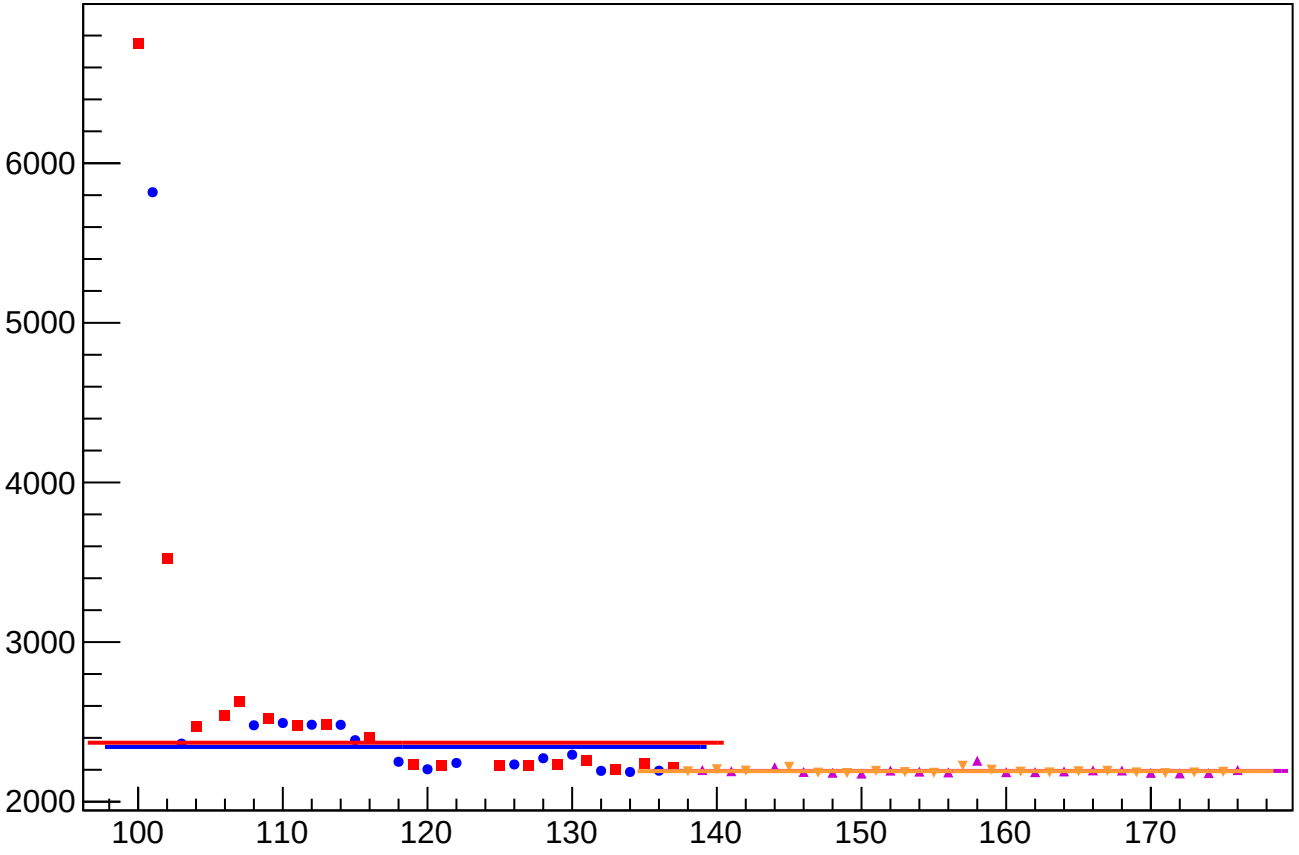
Left In: -4036.759+/-556.266 χ^2/NDF:30.7/18

+ sign 4023.827+/-476.217 χ^2/NDF: 32.2/34

All: -38.436+/-335.154 χ^2/NDF: 222.7/71

- sign -4025.262+/-471.774 χ^2/NDF: 46.2/36

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: 2191.347+/-0.399 χ^2/NDF:971.3/18

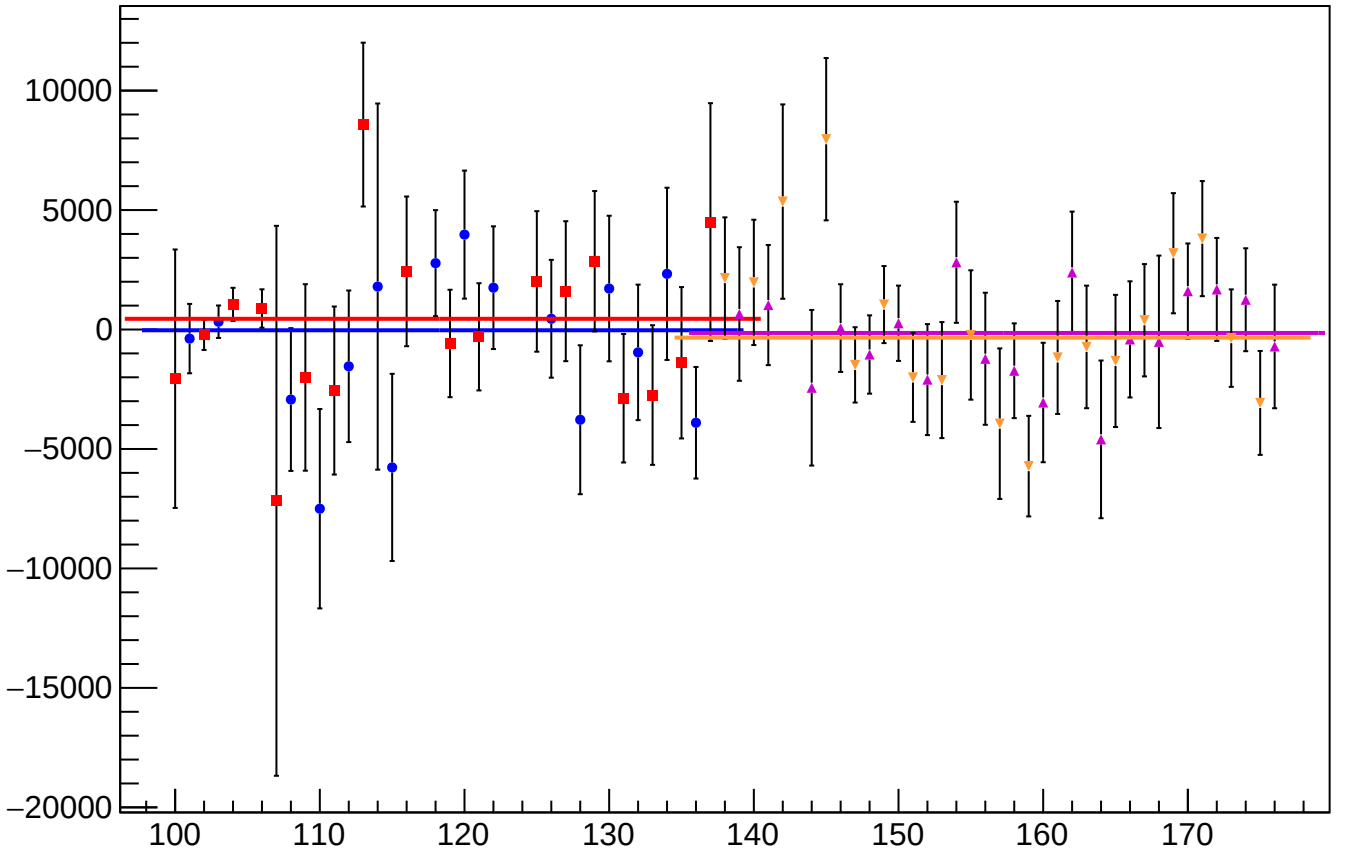
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.855+/-0.393 χ^2/NDF:2068.5/18

+ sign 2235.126+/-0.337 χ^2/NDF: 545452.6/34

All: 2238.828+/-0.237 χ^2/NDF: 814567.9/71

- sign 2242.461+/-0.334 χ^2/NDF: 268875.9/36



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -339.495+/-528.487 χ^2/NDF:27.0/18

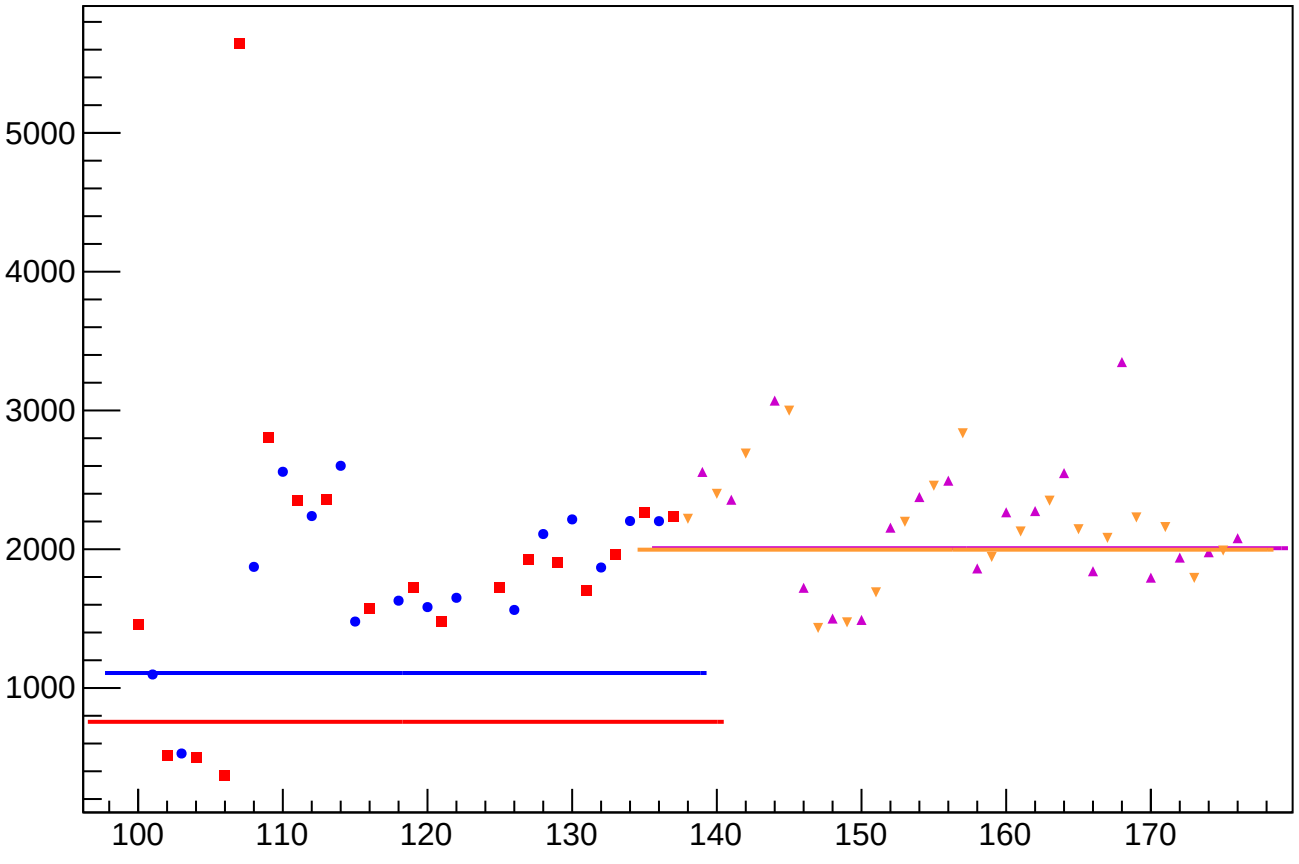
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -143.699+/-522.595 χ^2/NDF:10.2/18

\+ sign -172.356+/-357.466 χ^2/NDF: 43.5/34

All: 80.384+/-228.849 χ^2/NDF: 70.5/71

\- sign 255.911+/-297.899 χ^2/NDF: 26.1/36



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1996.886+/-0.374 χ^2/NDF:1128966.6/18

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

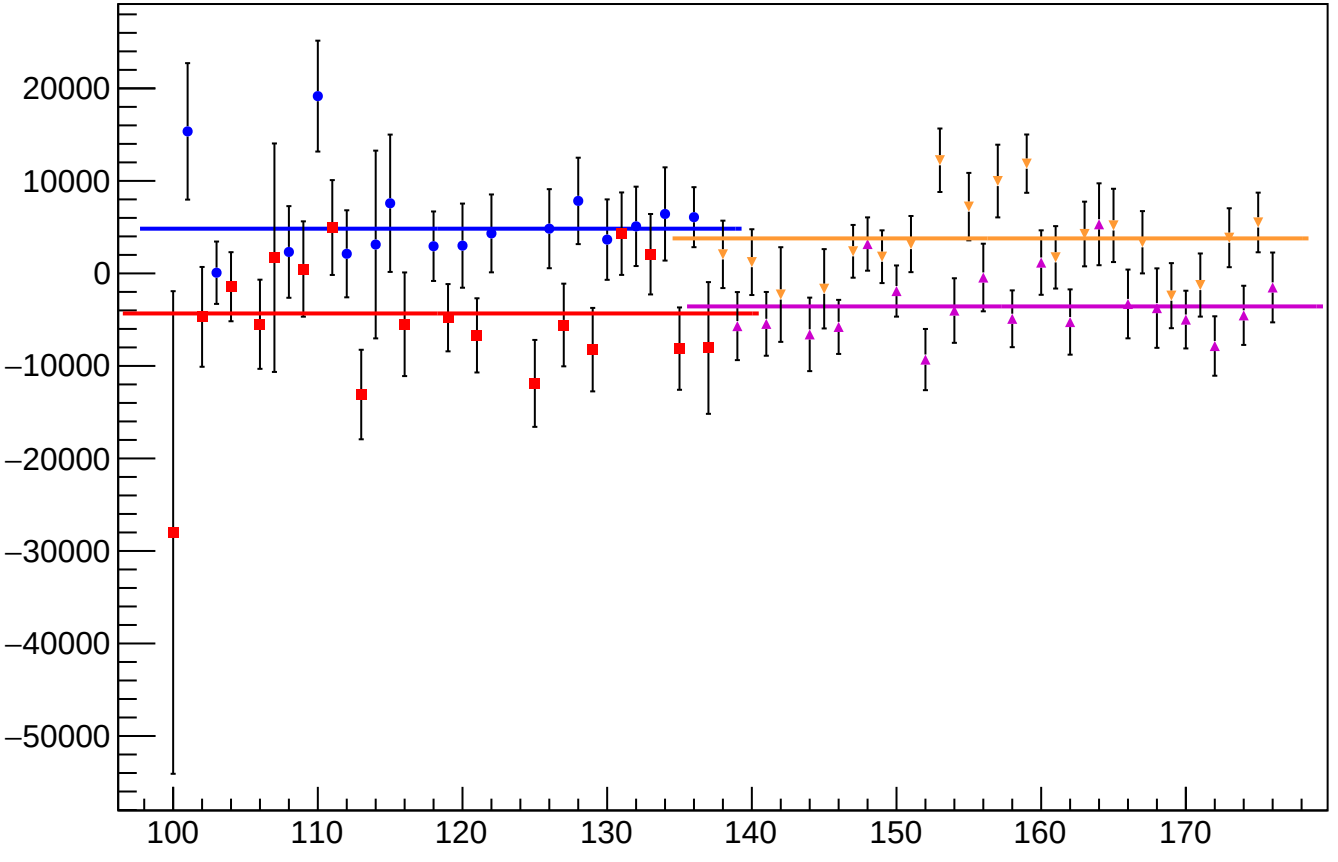
Left In: 2007.497+/-0.370 χ^2/NDF:1316647.6/18

+ sign 1514.755+/-0.253 χ^2/NDF: 7943687.4/34

All: 1307.142+/-0.162 χ^2/NDF: 23744055.3/7

- sign 1162.957+/-0.211 χ^2/NDF: 14657204.8/36

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3784.072+/-787.946 χ^2/NDF:26.6/18

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

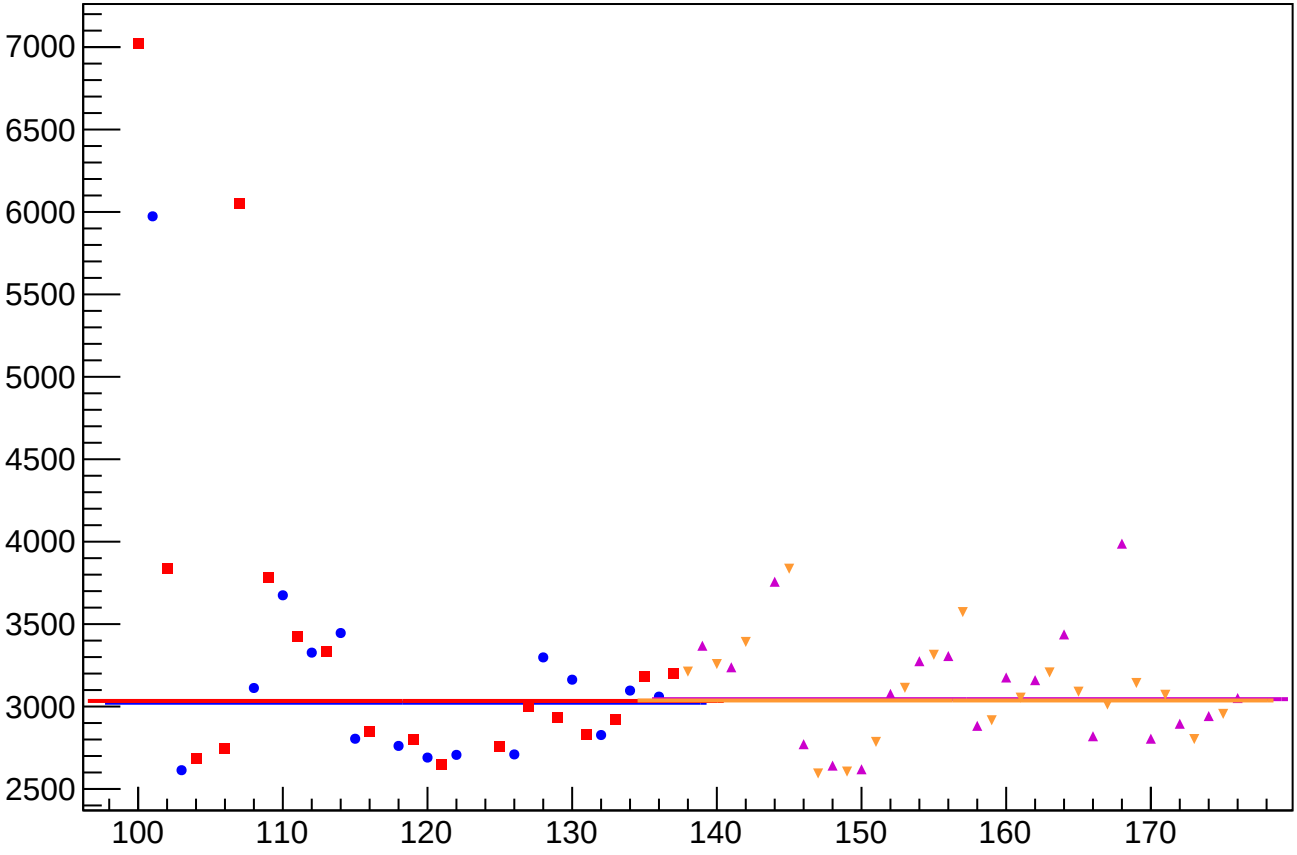
Left In: -3567.746+/-777.976 χ^2/NDF:20.1/18

+ sign 4122.418+/-648.650 χ^2/NDF: 38.9/34

All: 124.957+/-456.801 χ^2/NDF: 154.5/71

- sign -3808.191+/-643.410 χ^2/NDF: 40.3/36

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3036.830+/-0.557 χ^2/NDF:271240.4/18

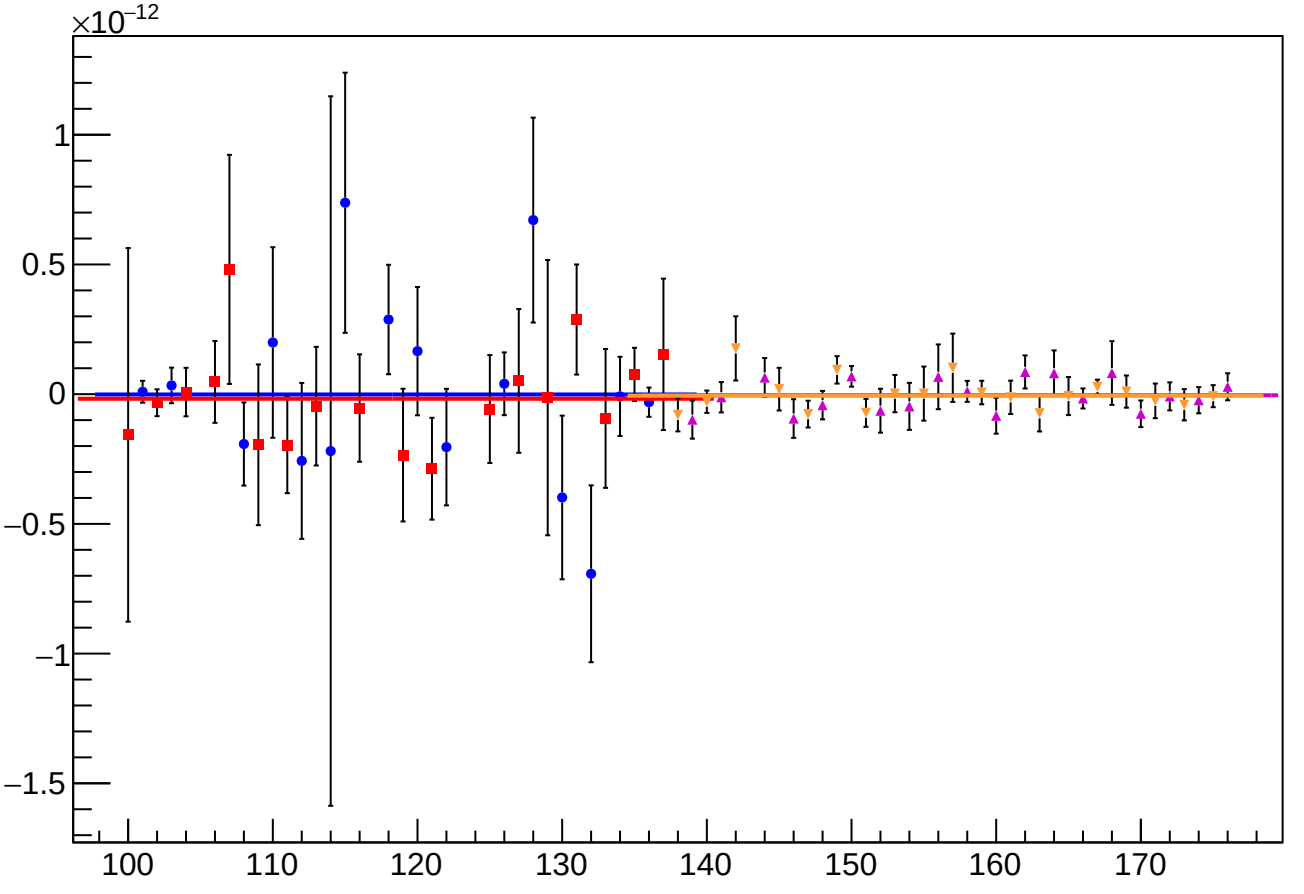
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3044.764+/-0.550 χ^2/NDF:357418.1/18

+ sign 3032.394+/-0.459 χ^2/NDF: 715142.9/34

All: 3036.894+/-0.323 χ^2/NDF: 1415550.6/71

- sign 3041.321+/-0.455 χ^2/NDF: 700216.8/36



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/18

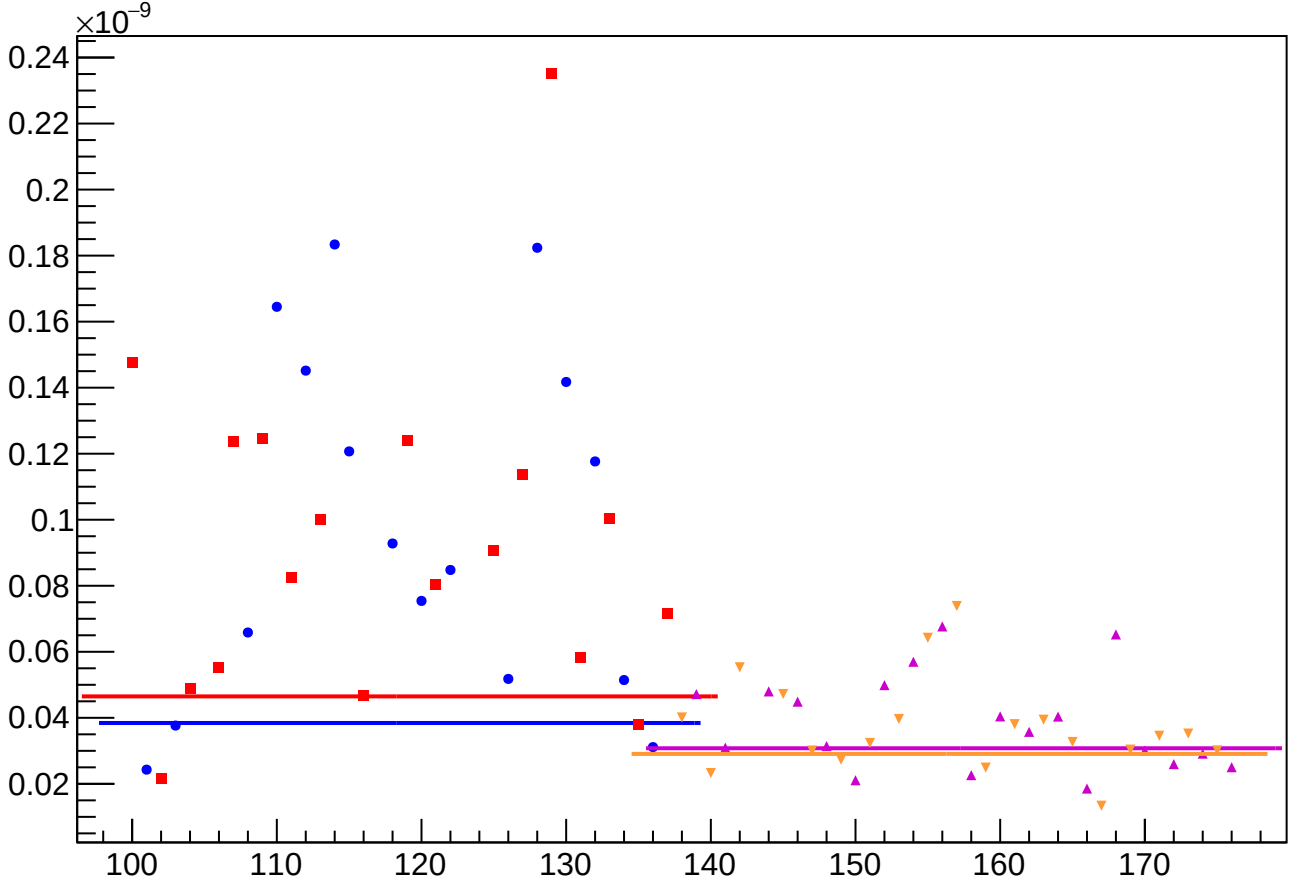
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:16.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/34

All: -0.000+/-0.000 χ^2/NDF: 56.9/71

- sign -0.000+/-0.000 χ^2/NDF: 25.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1550687.6/18

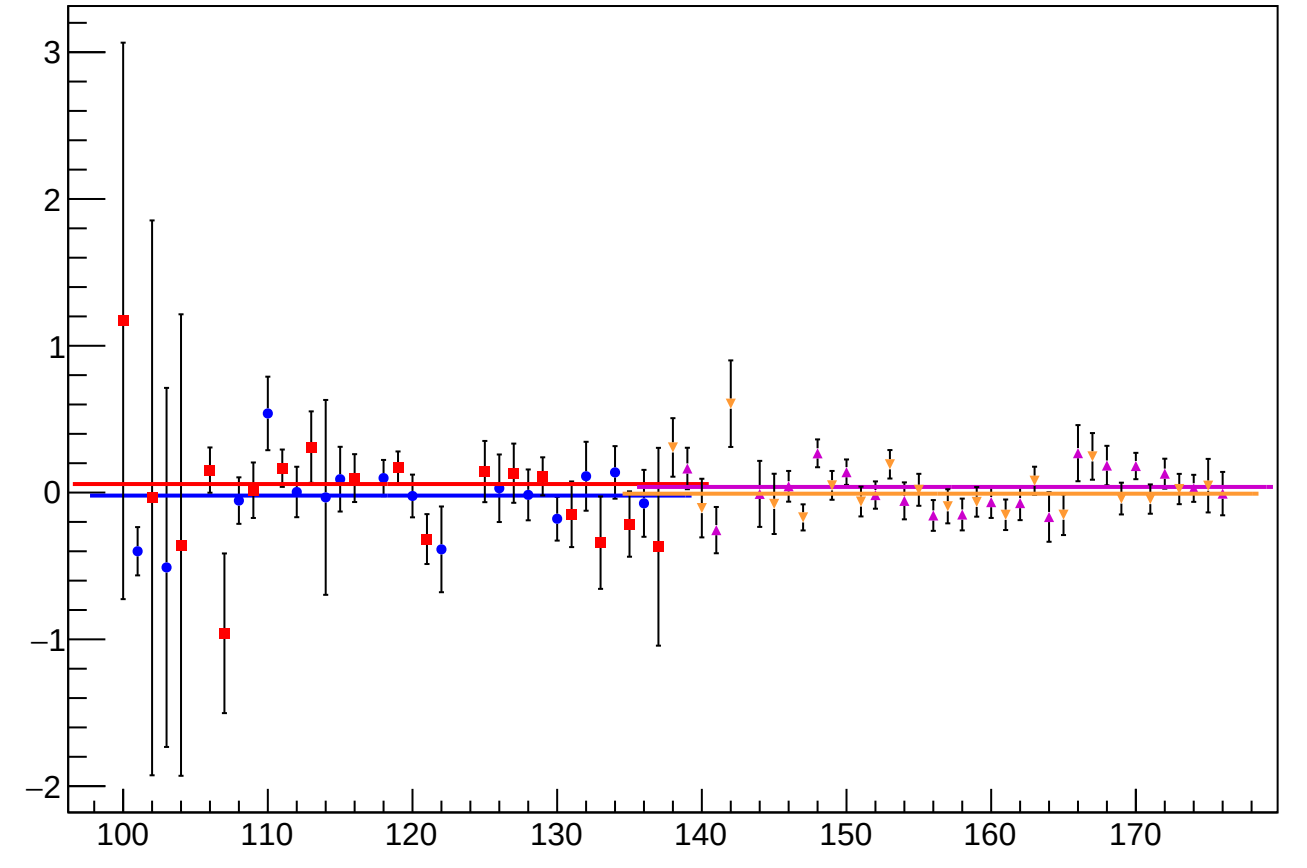
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1395516.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 3515709.4/34

All: 0.000+/-0.000 χ^2/NDF: 6997942.9/71

- sign 0.000+/-0.000 χ^2/NDF: 3452671.6/36



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.027 χ^2/NDF:23.1/18

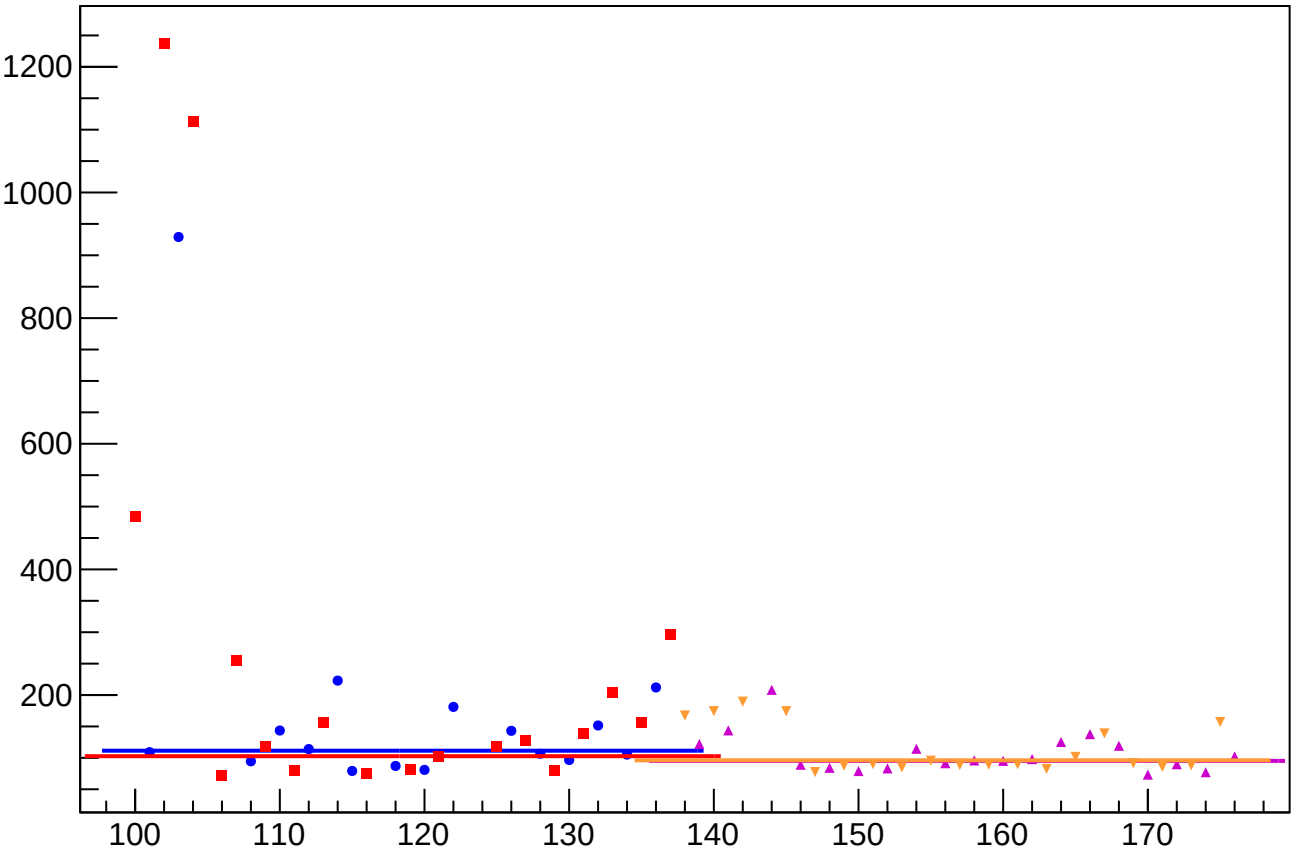
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.038+/-0.026 χ^2/NDF:28.2/18

+ sign -0.011+/-0.023 χ^2/NDF: 38.7/34

All: 0.017+/-0.016 χ^2/NDF: 86.6/71

- sign 0.043+/-0.023 χ^2/NDF: 45.2/36



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.053+/-0.019 χ^2/NDF:1666805.6/18

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

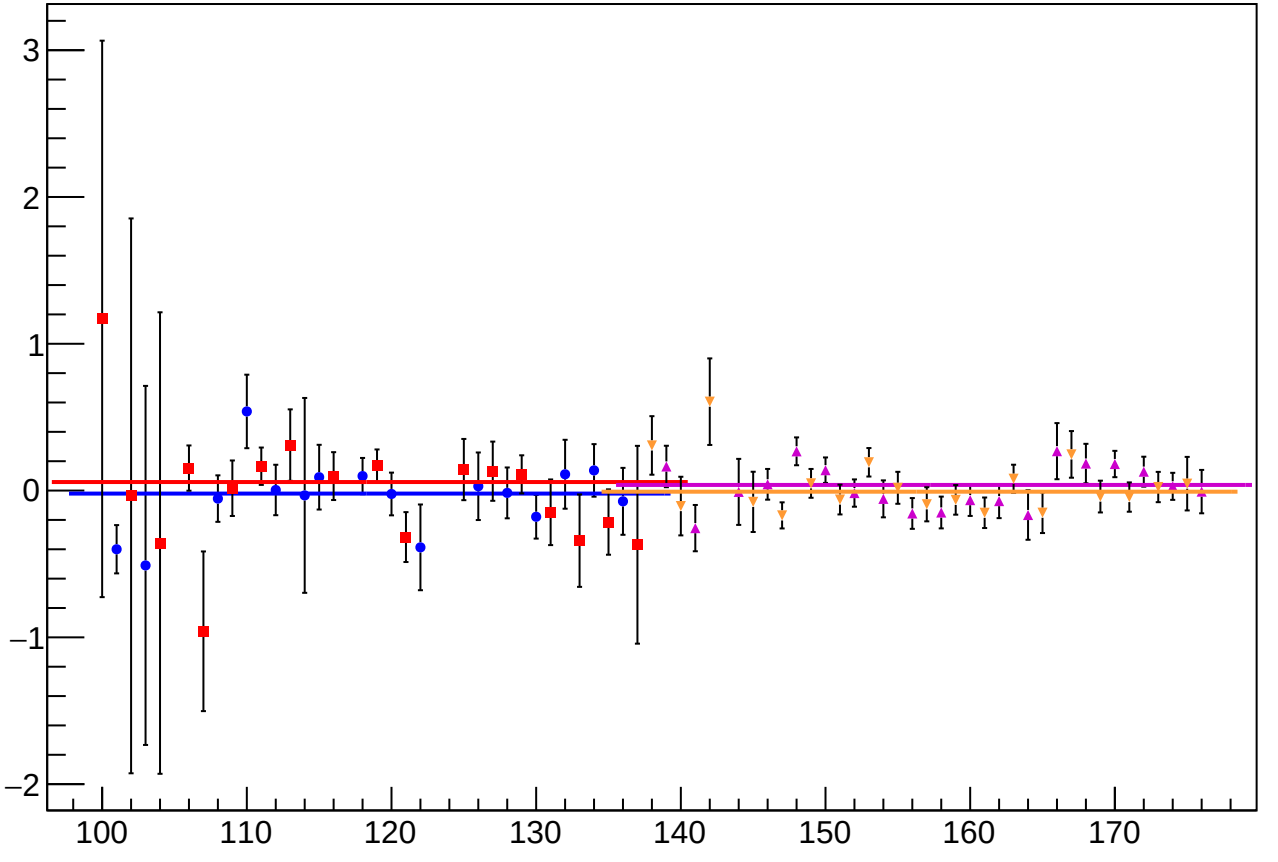
Left In: 95.142+/-0.018 χ^2/NDF:1386700.9/18

+ sign 99.772+/-0.017 χ^2/NDF: 3663668.3/34

All: 98.324+/-0.012 χ^2/NDF: 7932043.5/71

- sign 96.957+/-0.016 χ^2/NDF: 4253539.5/36

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.027 χ^2/NDF:23.1/18

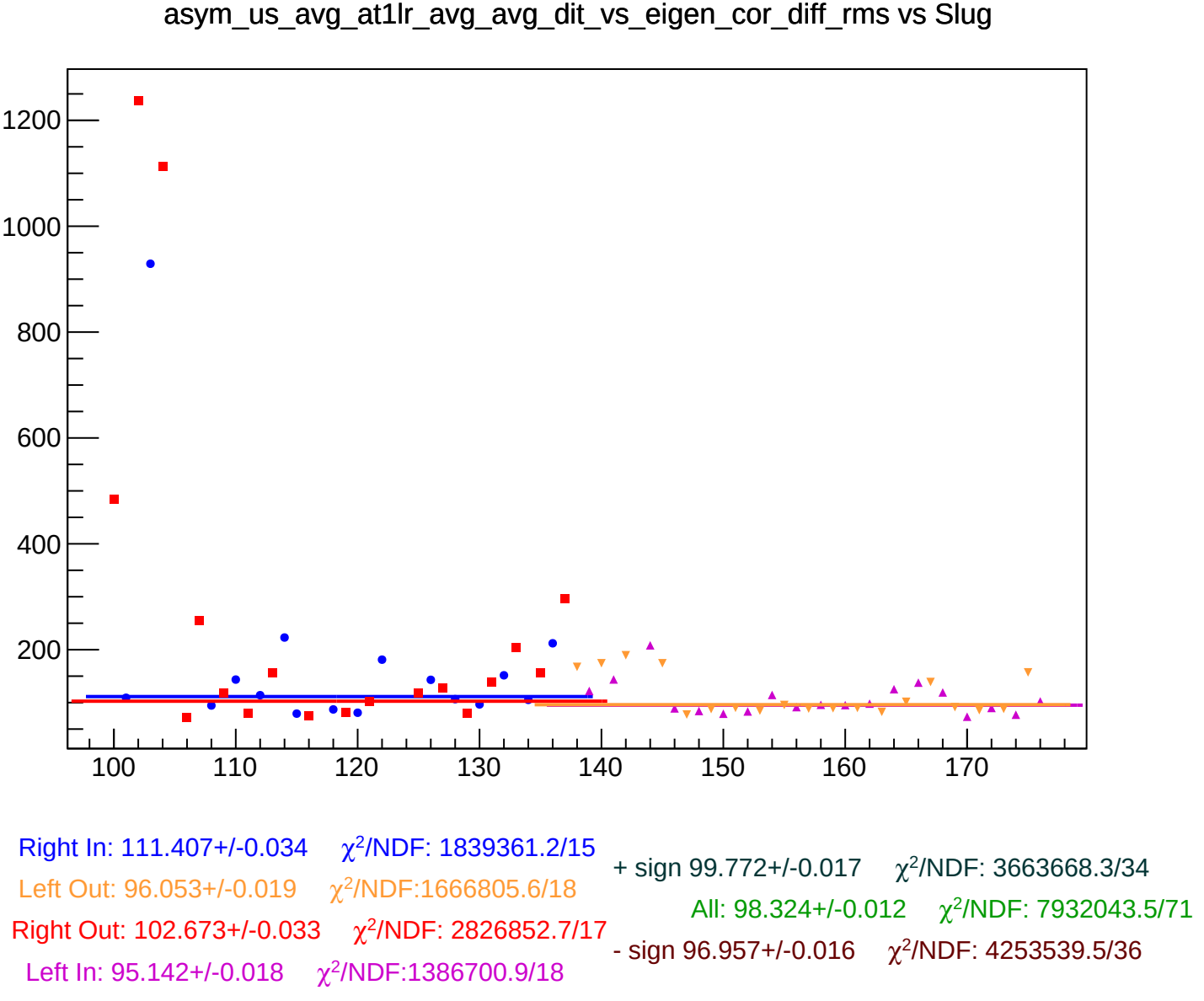
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

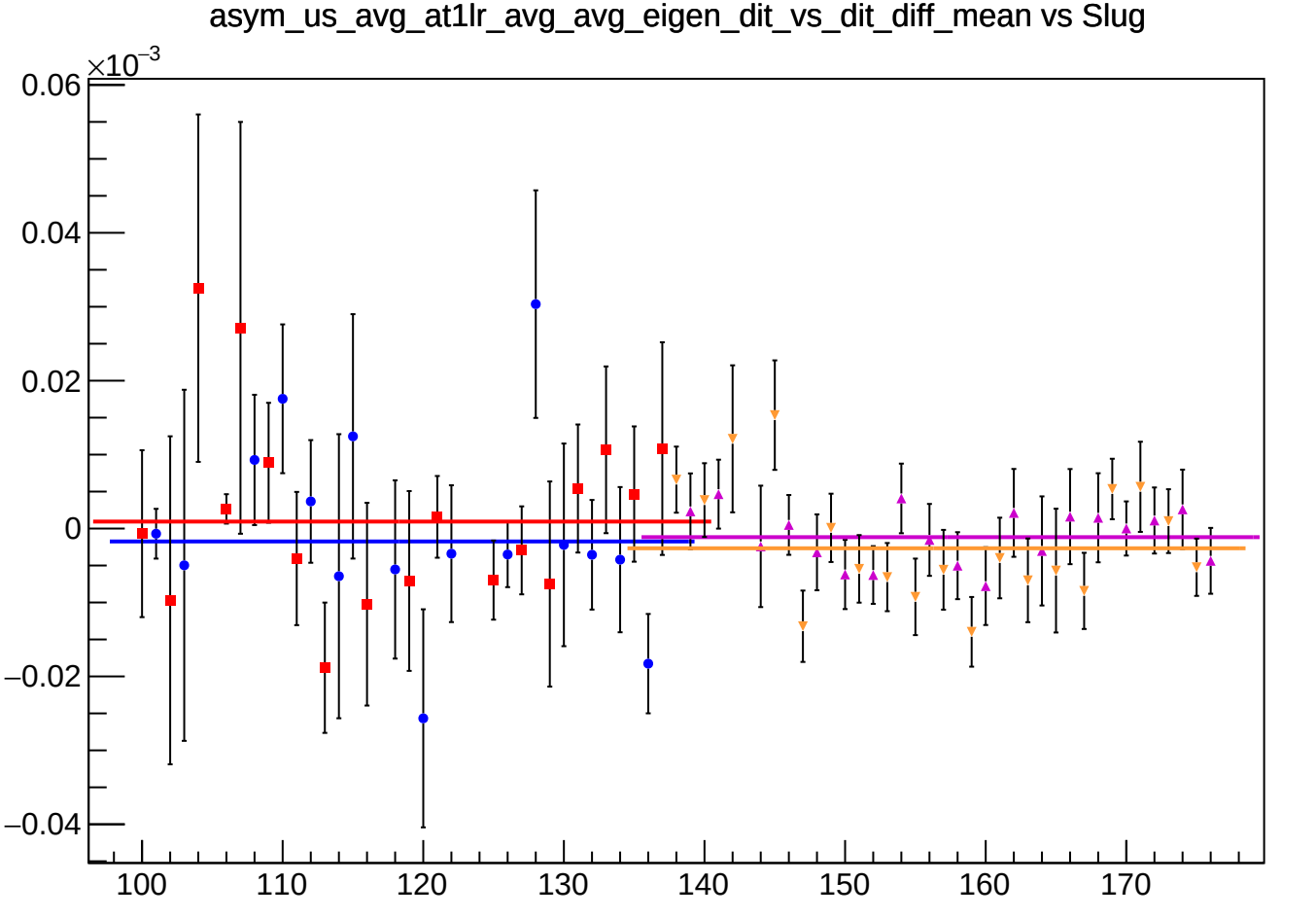
Left In: 0.038+/-0.026 χ^2/NDF:28.2/18

+ sign -0.011+/-0.023 χ^2/NDF: 38.7/34

All: 0.017+/-0.016 χ^2/NDF: 86.6/71

- sign 0.043+/-0.023 χ^2/NDF: 45.2/36


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 96.053+/-0.019 χ²/NDF:1666805.6/18
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 95.142+/-0.018 χ²/NDF:1386700.9/18
+ sign 99.772+/-0.017 χ²/NDF: 3663668.3/34
All: 98.324+/-0.012 χ²/NDF: 7932043.5/71
- sign 96.957+/-0.016 χ²/NDF: 4253539.5/36



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.9/18

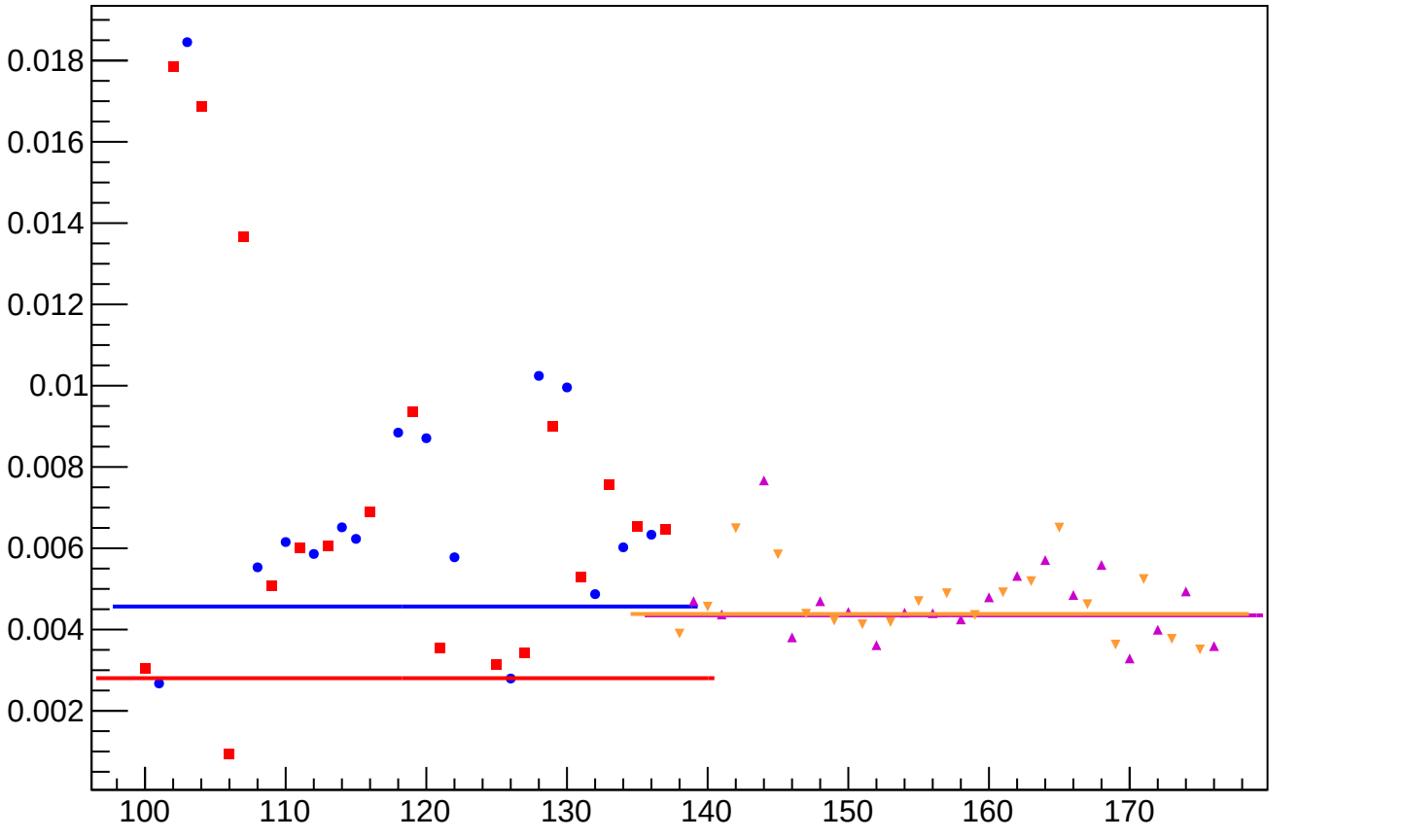
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:10.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 57.1/34

All: -0.000+/-0.000 χ^2/NDF: 87.4/71

- sign -0.000+/-0.000 χ^2/NDF: 27.9/36



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:674227.5/18

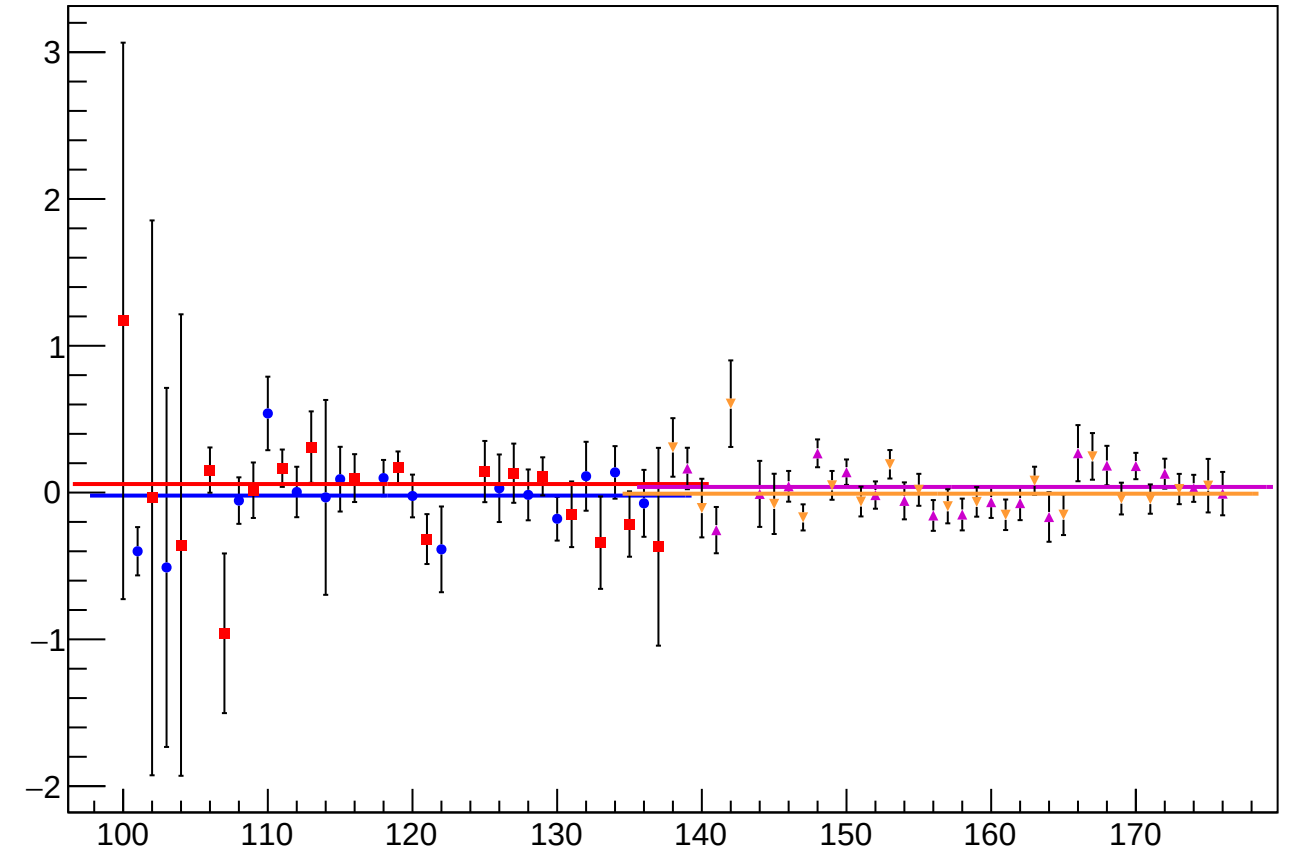
Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:948697.7/18

+ sign 0.004+/-0.000 χ^2/NDF: 3699823.7/34

All: 0.004+/-0.000 χ^2/NDF: 13115558.8/71

- sign 0.004+/-0.000 χ^2/NDF: 8944287.8/36



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.027 χ^2/NDF:23.1/18

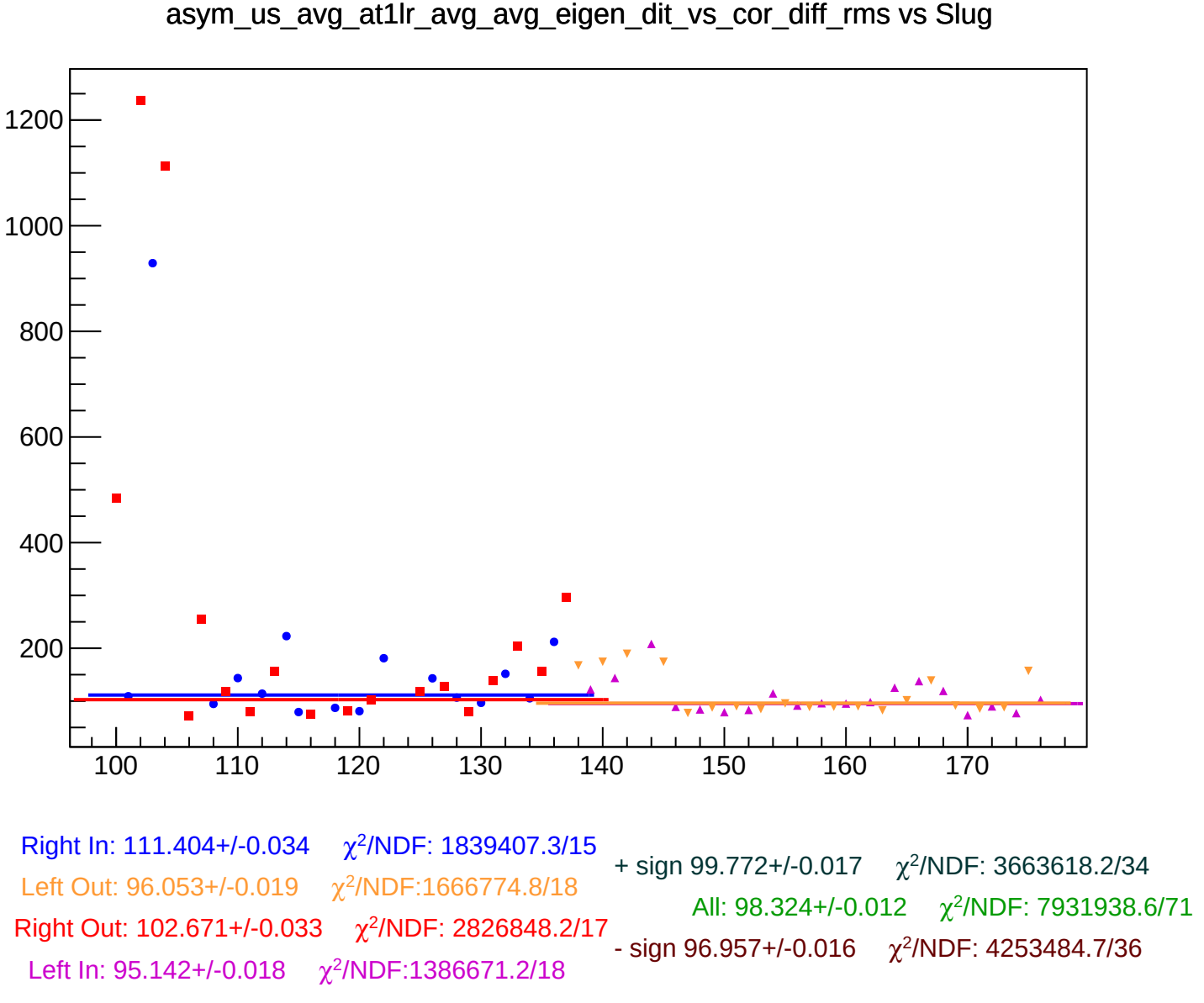
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.038+/-0.026 χ^2/NDF:28.2/18

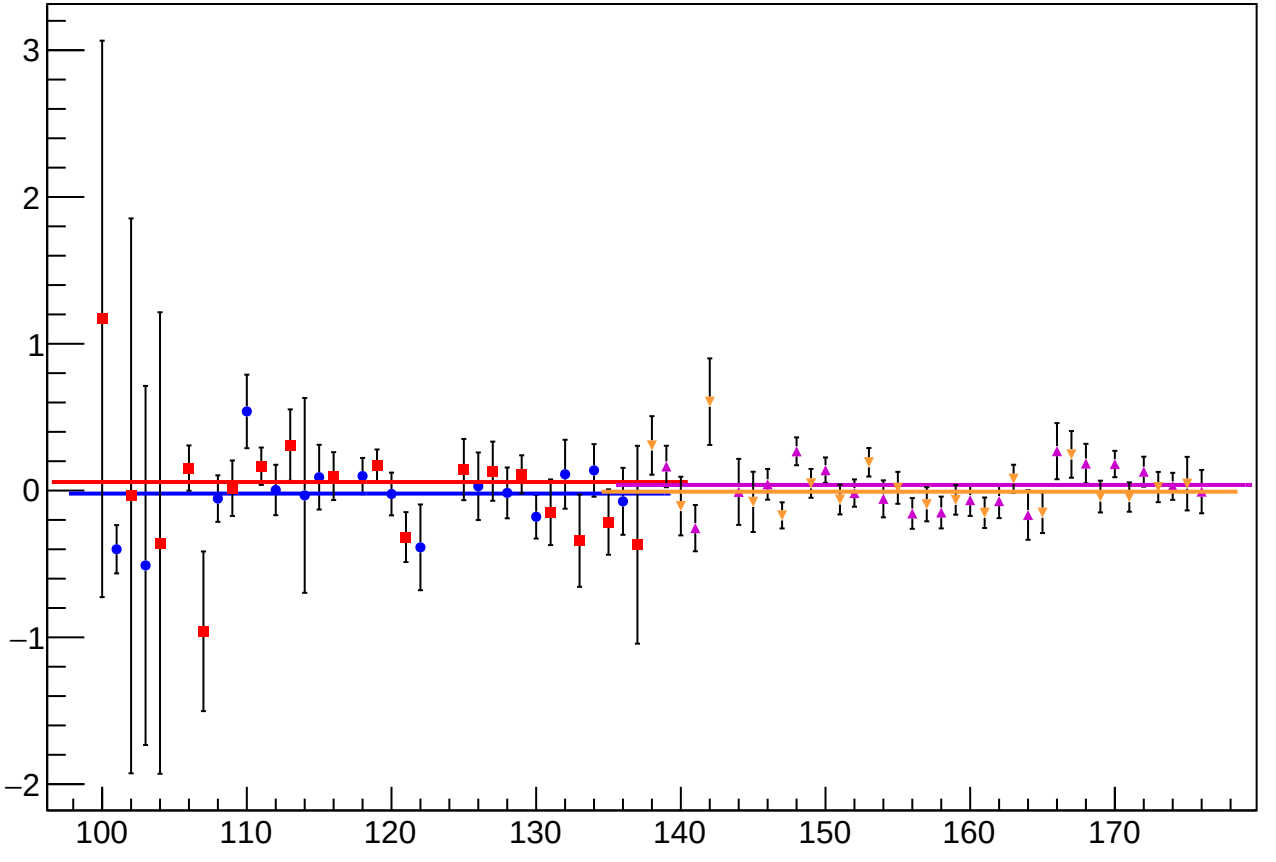
+ sign -0.011+/-0.023 χ^2/NDF: 38.7/34

All: 0.017+/-0.016 χ^2/NDF: 86.6/71

- sign 0.043+/-0.023 χ^2/NDF: 45.2/36


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 96.053+/-0.019 χ²/NDF:1666774.8/18
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 95.142+/-0.018 χ²/NDF:1386671.2/18
+ sign 99.772+/-0.017 χ²/NDF: 3663618.2/34
All: 98.324+/-0.012 χ²/NDF: 7931938.6/71
- sign 96.957+/-0.016 χ²/NDF: 4253484.7/36

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.027 χ^2/NDF:23.1/18

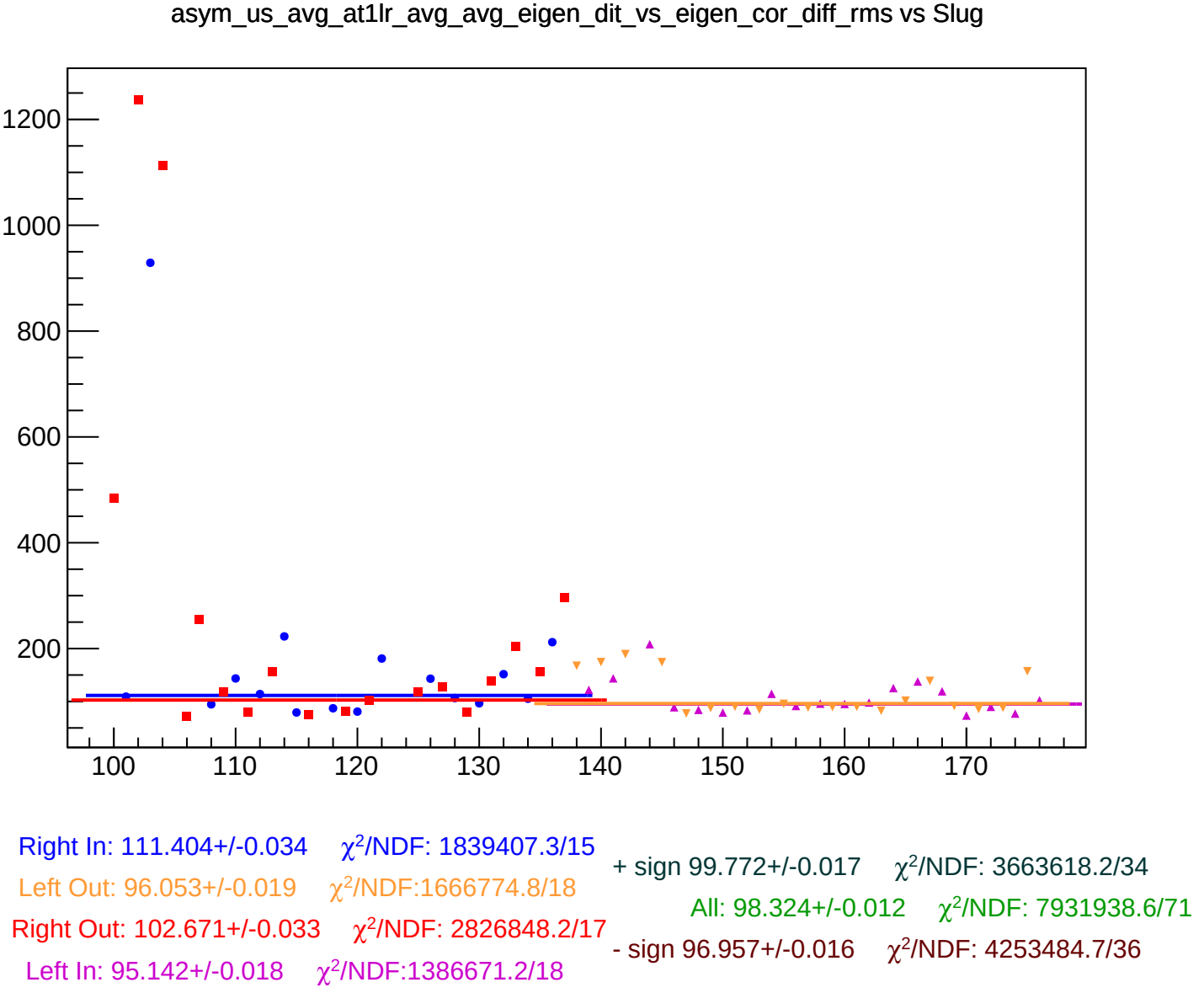
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

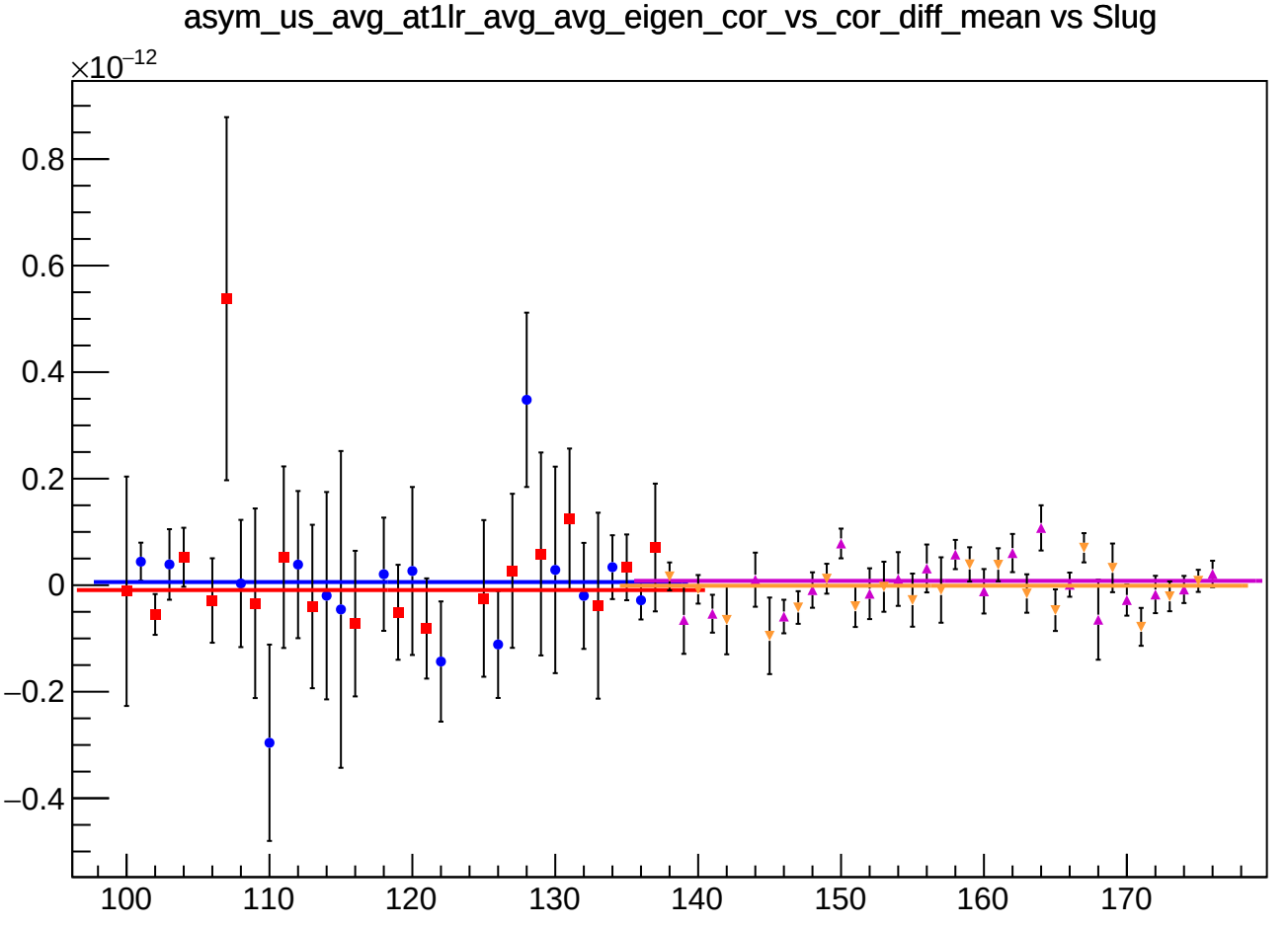
Left In: 0.038+/-0.026 χ^2/NDF:28.2/18

+ sign -0.011+/-0.023 χ^2/NDF: 38.7/34

All: 0.017+/-0.016 χ^2/NDF: 86.6/71

- sign 0.043+/-0.023 χ^2/NDF: 45.2/36


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 96.053+/-0.019 χ²/NDF:1666774.8/18
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 95.142+/-0.018 χ²/NDF:1386671.2/18
+ sign 99.772+/-0.017 χ²/NDF: 3663618.2/34
All: 98.324+/-0.012 χ²/NDF: 7931938.6/71
- sign 96.957+/-0.016 χ²/NDF: 4253484.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/18

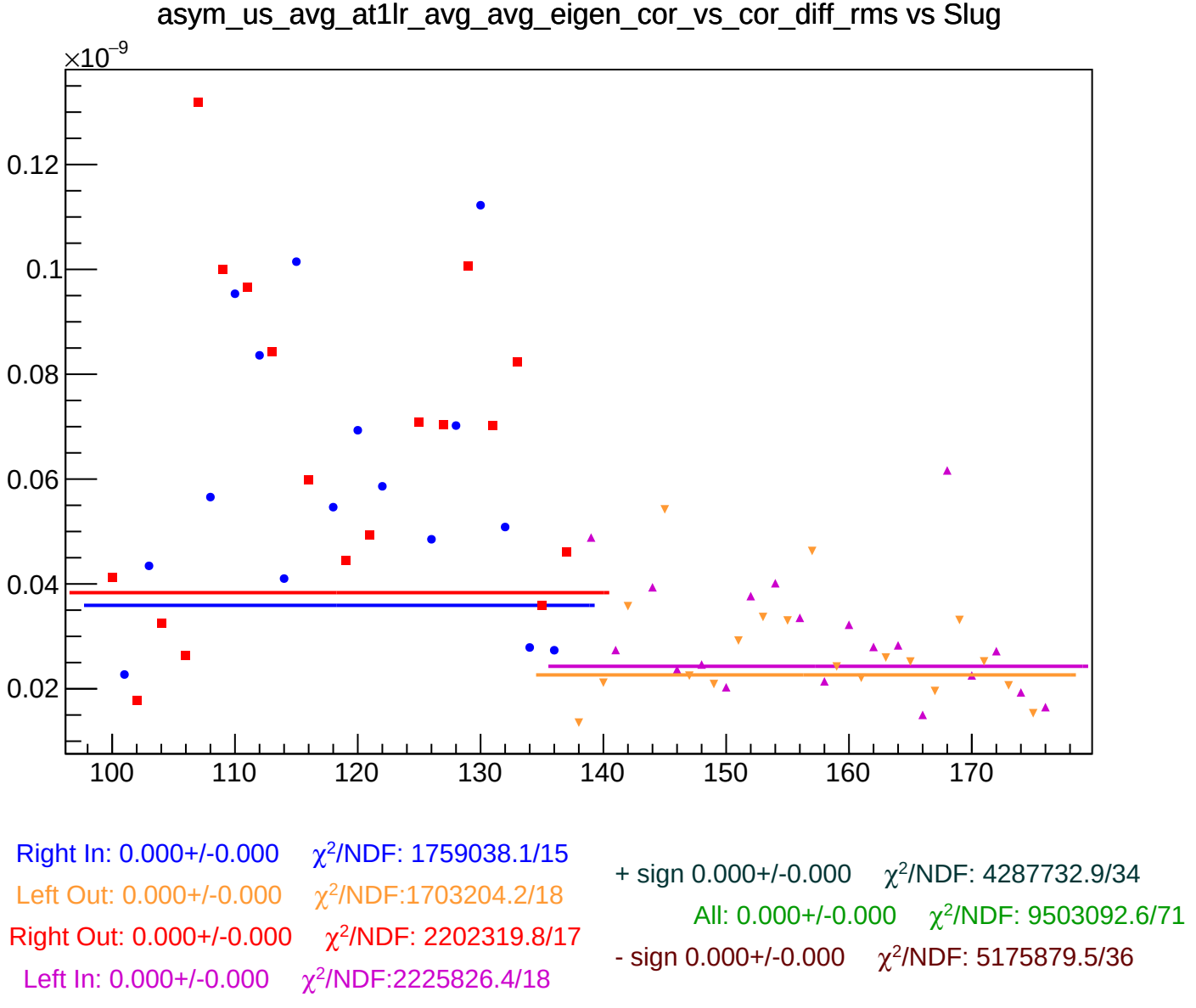
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:30.8/18

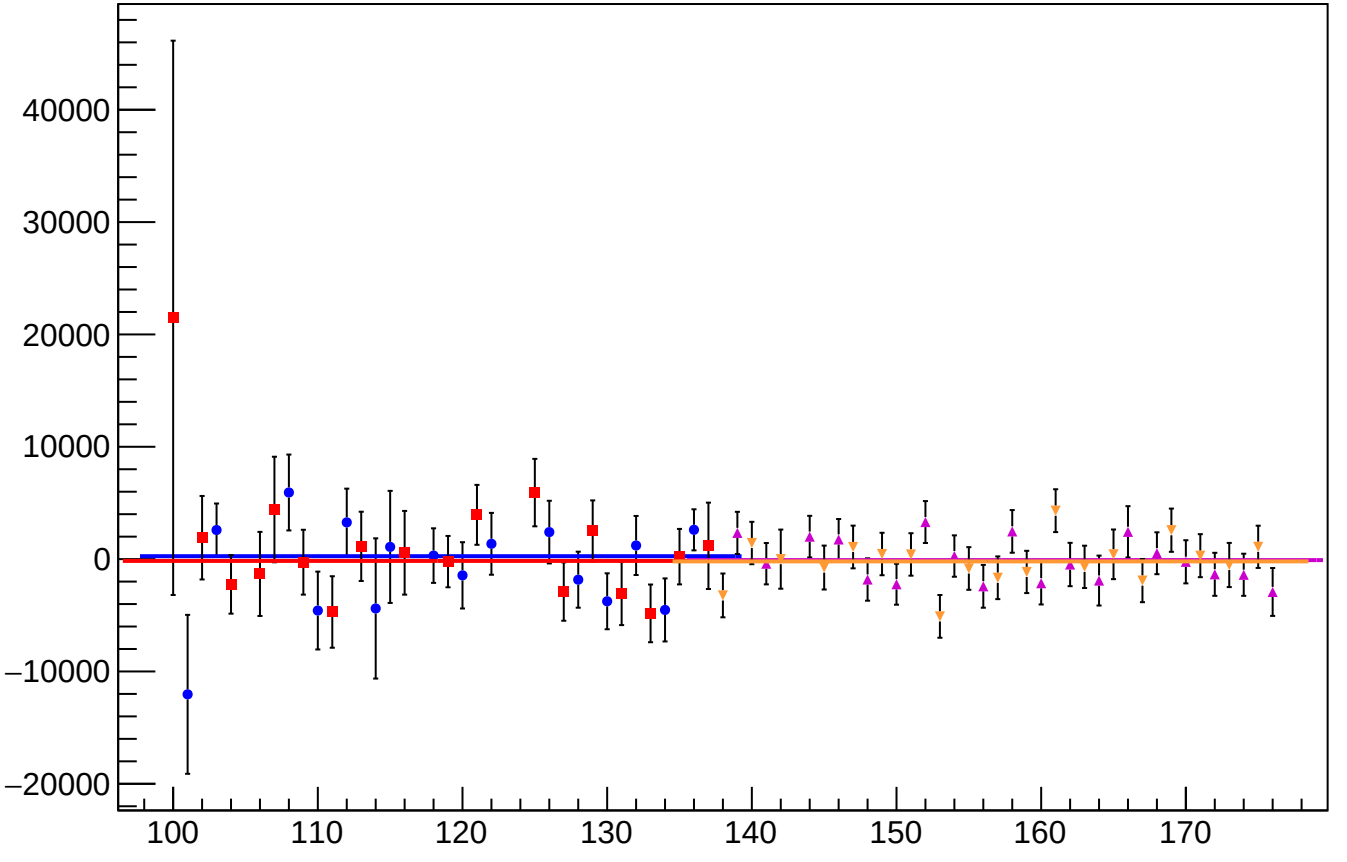
+ sign -0.000+/-0.000 χ^2/NDF: 36.9/34

All: 0.000+/-0.000 χ^2/NDF: 77.3/71

- sign 0.000+/-0.000 χ^2/NDF: 40.0/36


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
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1703204.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:2225826.4/18
+ sign 0.000+/-0.000 χ²/NDF: 4287732.9/34
All: 0.000+/-0.000 χ²/NDF: 9503092.6/71
- sign 0.000+/-0.000 χ²/NDF: 5175879.5/36

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -200.669+/-446.476 χ^2/NDF:20.7/18

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

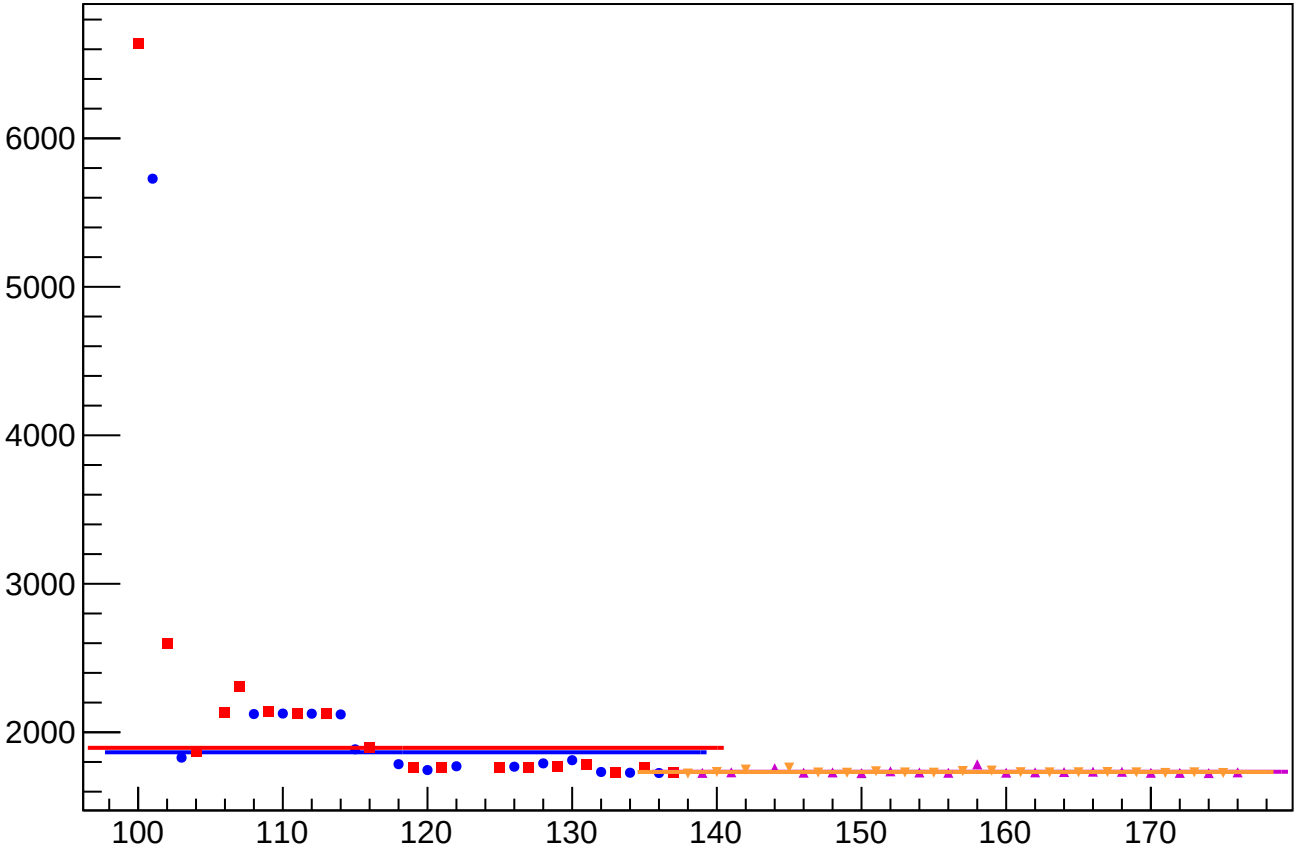
Left In: -88.754+/-439.876 χ^2/NDF:18.8/18

\+ sign -70.187+/-377.912 χ^2/NDF: 40.4/34

All: -89.397+/-265.925 χ^2/NDF: 77.3/71

\- sign -108.237+/-374.265 χ^2/NDF: 36.9/36

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.693+/-0.316 χ^2/NDF:774.5/18

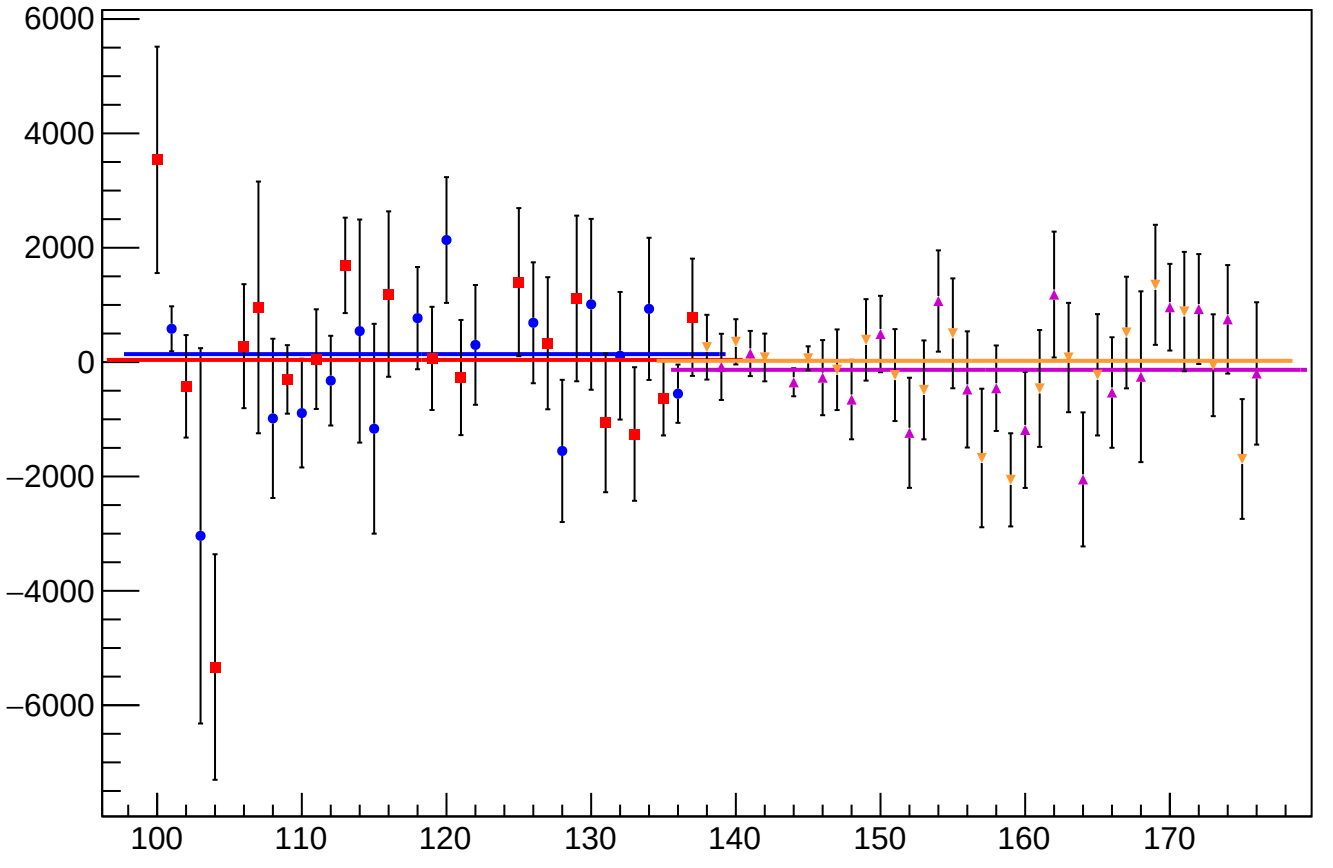
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.103+/-0.311 χ^2/NDF:2013.6/18

+ sign 1770.257+/-0.267 χ^2/NDF: 723427.4/34

All: 1774.464+/-0.188 χ^2/NDF: 1050840.2/71

- sign 1778.590+/-0.265 χ^2/NDF: 326921.9/36



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 22.720+/-133.552 χ^2/NDF:16.0/18

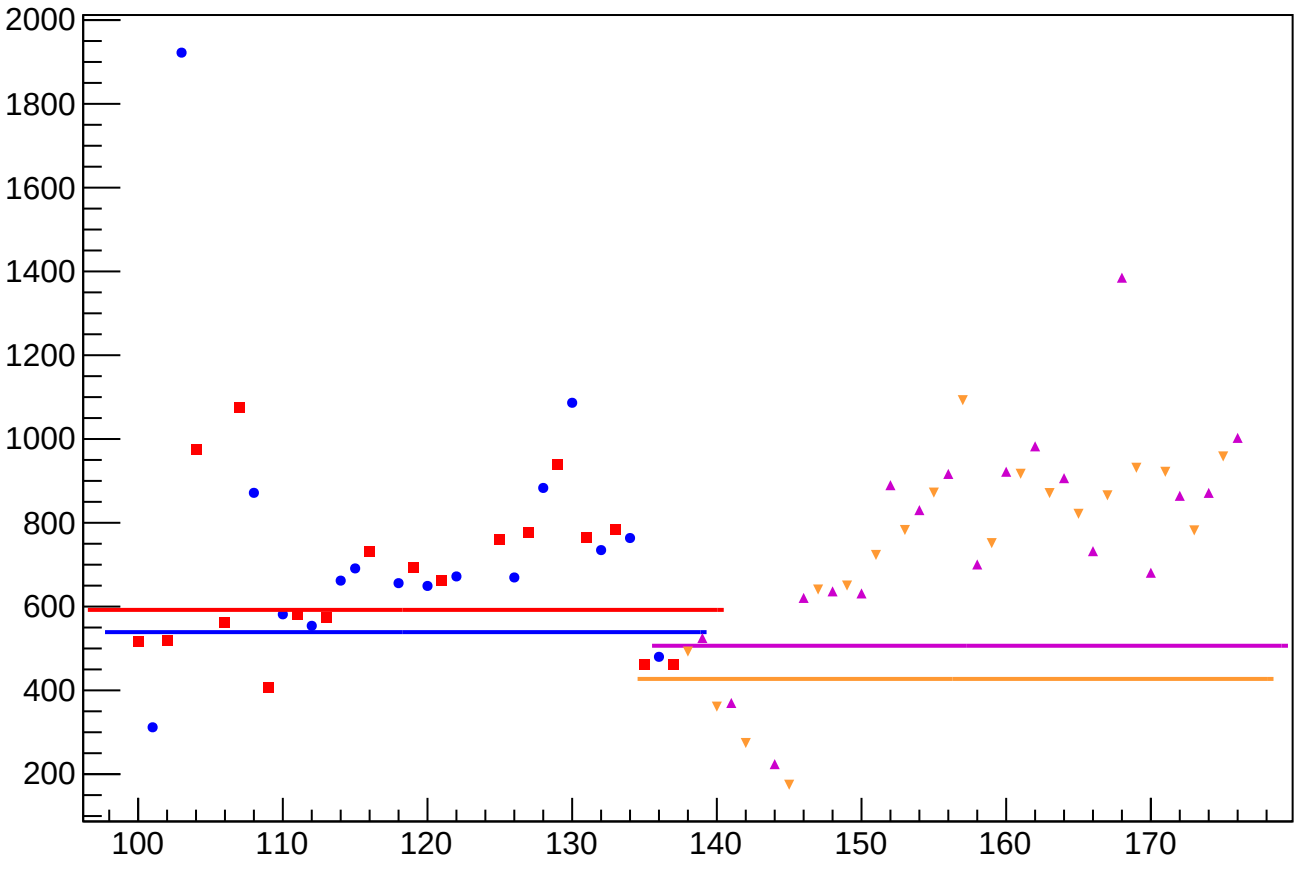
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -134.984+/-146.796 χ^2/NDF:15.8/18

+ sign 54.226+/-114.177 χ^2/NDF: 29.6/34

All: -10.118+/-84.296 χ^2/NDF: 67.9/71

- sign -87.212+/-124.978 χ^2/NDF: 37.6/36



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 427.327+/-0.094 χ^2/NDF:8891808.6/18

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

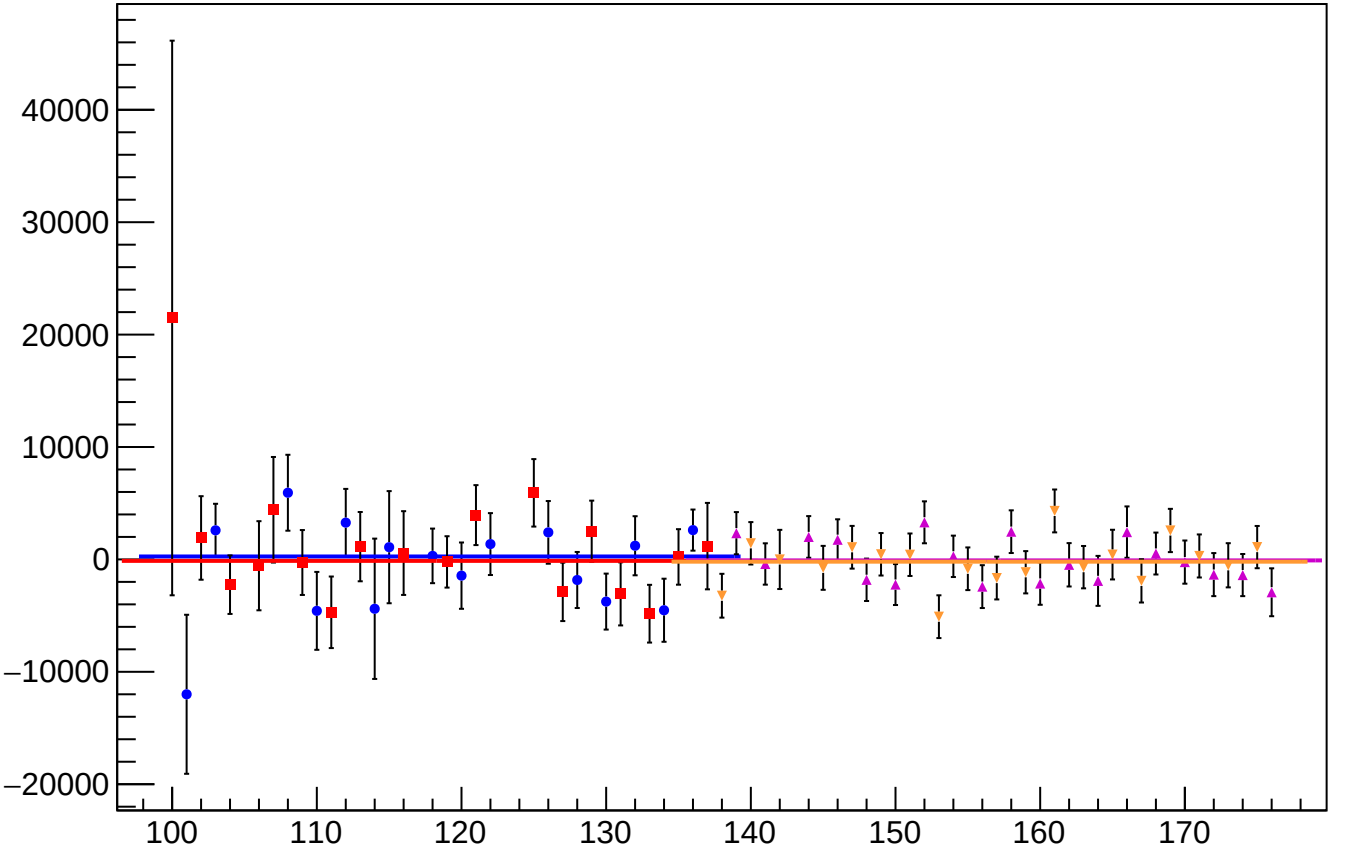
Left In: 506.487+/-0.104 χ^2/NDF:6886290.1/18

+ sign 457.383+/-0.081 χ^2/NDF: 11122798.4/34

All: 490.439+/-0.060 χ^2/NDF: 19407837.3/71

- sign 530.045+/-0.088 χ^2/NDF: 7916546.2/36

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -200.631+/-446.476 χ^2/NDF:20.7/18

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

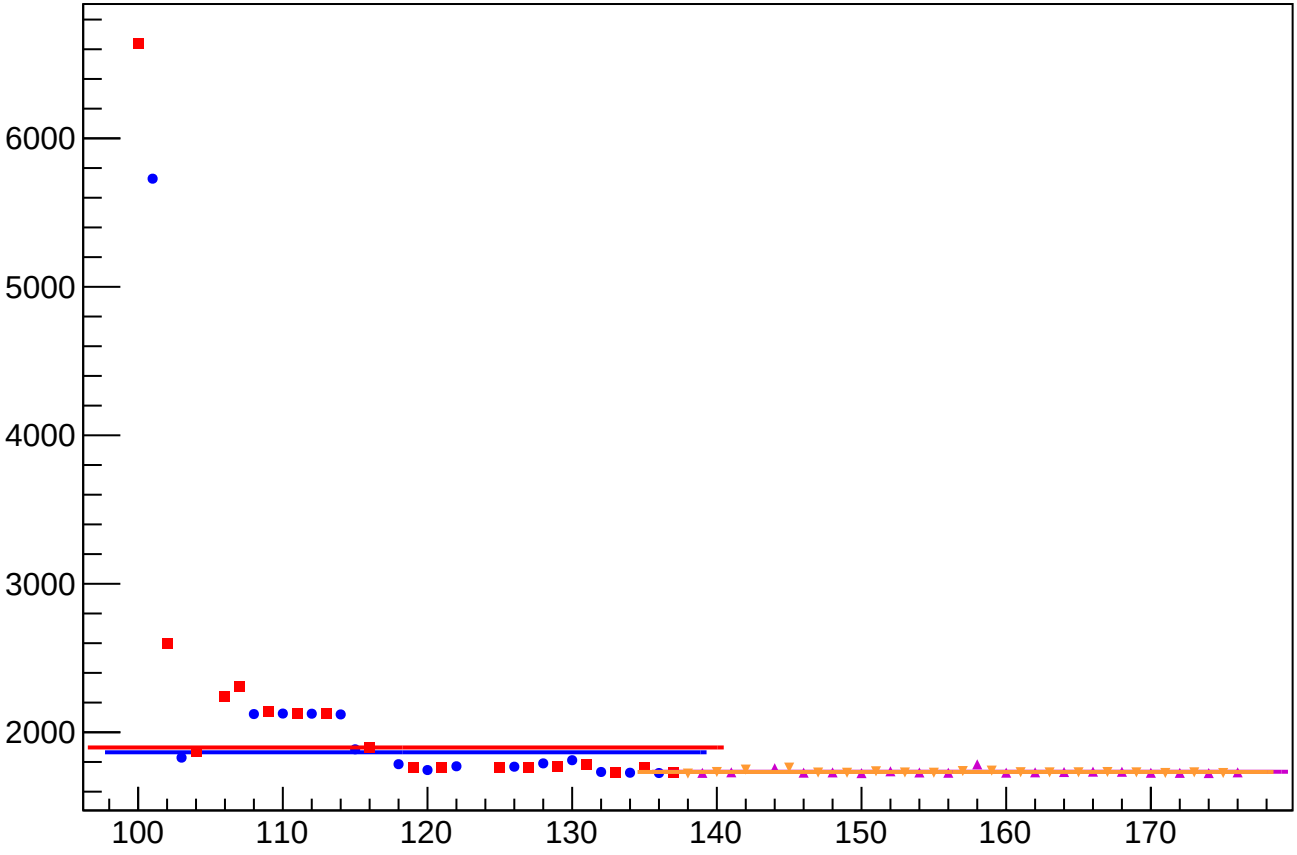
Left In: -88.708+/-439.876 χ^2/NDF:18.8/18

\+ sign -70.106+/-377.912 χ^2/NDF: 40.4/34

All: -85.235+/-265.998 χ^2/NDF: 77.2/71

\- sign -100.089+/-374.469 χ^2/NDF: 36.8/36

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.693+/-0.316 χ^2/NDF:774.5/18

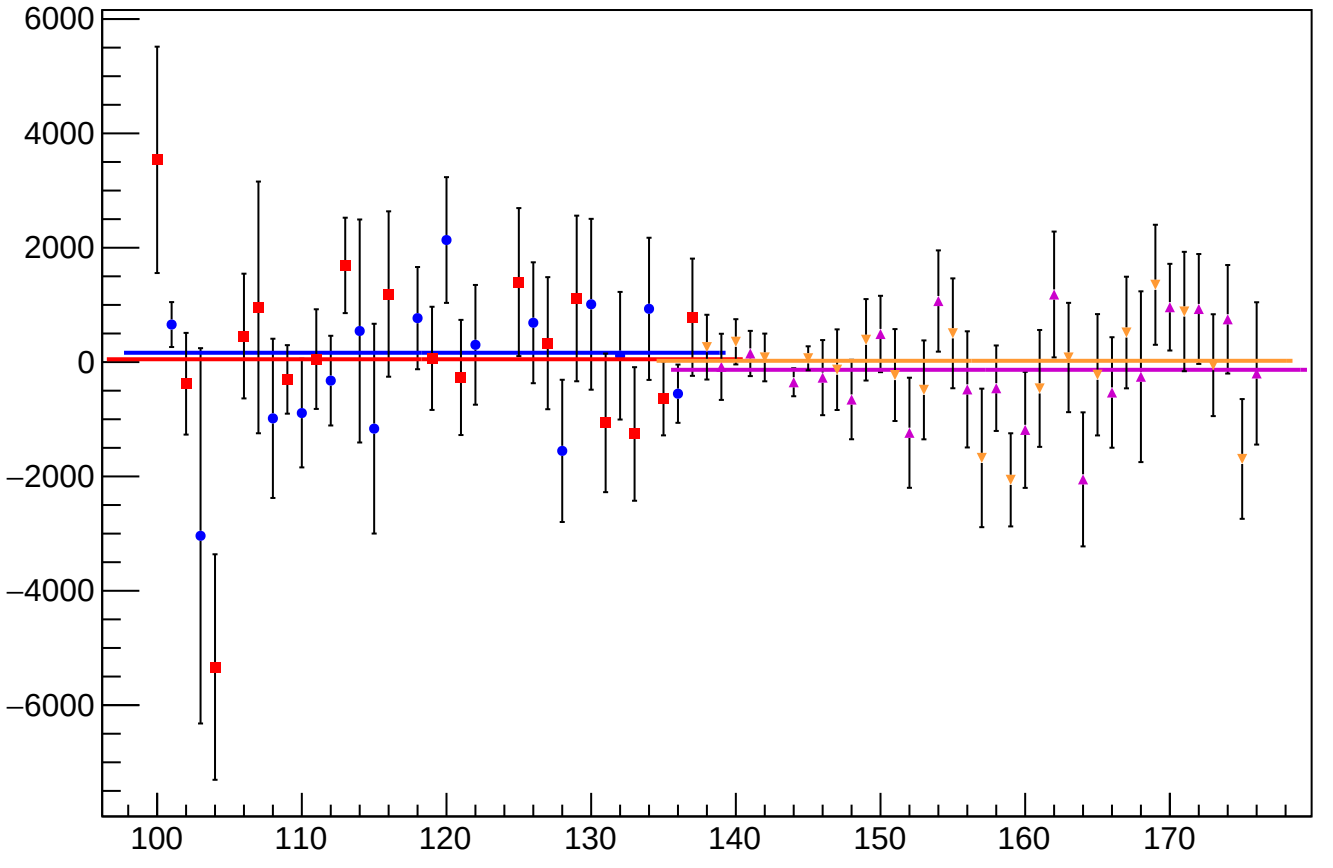
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.103+/-0.311 χ^2/NDF:2013.6/18

+ sign 1770.257+/-0.267 χ^2/NDF: 723427.2/34

All: 1774.738+/-0.188 χ^2/NDF: 1059887.3/71

- sign 1779.138+/-0.265 χ^2/NDF: 335902.8/36



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 22.601+/-133.554 χ^2/NDF:16.0/18

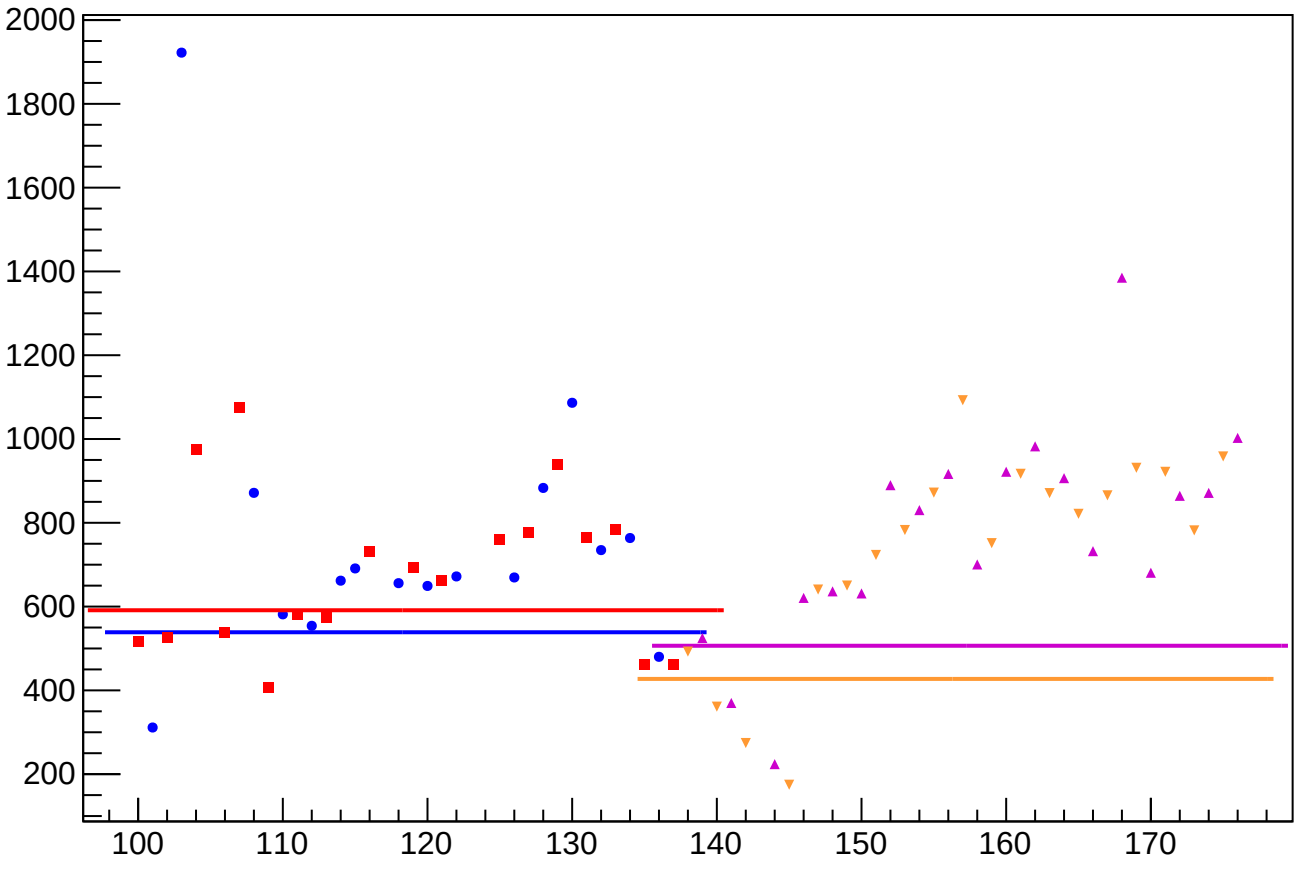
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -134.962+/-146.797 χ^2/NDF:15.8/18

+ sign 60.443+/-114.168 χ^2/NDF: 30.2/34

All: -5.337+/-84.290 χ^2/NDF: 68.6/71

- sign -84.155+/-124.971 χ^2/NDF: 37.7/36



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 427.337+/-0.094 χ^2/NDF:8891464.7/18

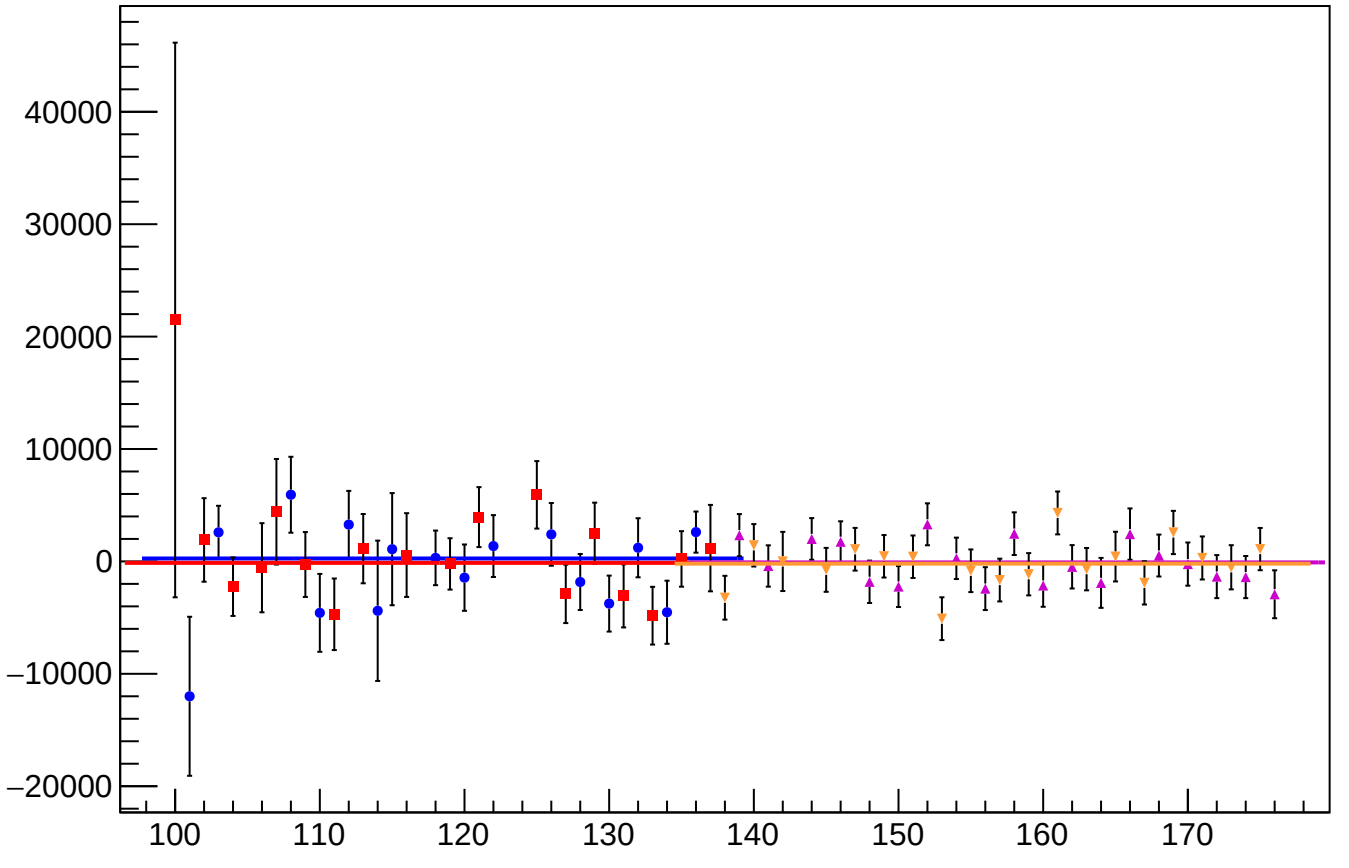
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 506.495+/-0.104 χ^2/NDF:6885837.7/18

+ sign 457.322+/-0.081 χ^2/NDF: 11124786.1/34

All: 490.303+/-0.060 χ^2/NDF: 19405545.4/71

- sign 529.822+/-0.088 χ^2/NDF: 7913852.6/36



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -200.631+/-446.476 χ^2/NDF:20.7/18

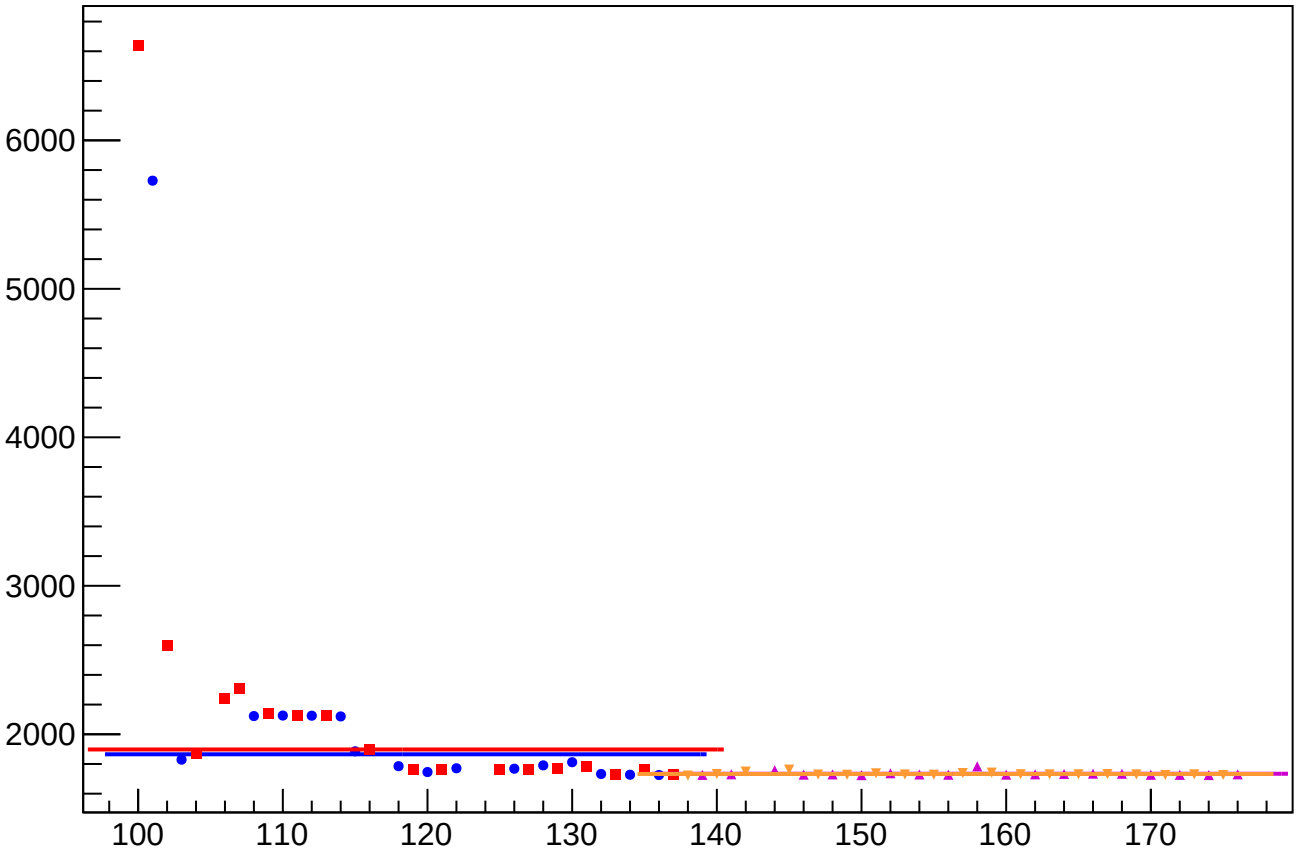
Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -88.708+/-439.876 χ^2/NDF:18.8/18

+ sign -70.106+/-377.912 χ^2/NDF: 40.4/34

All: -85.235+/-265.998 χ^2/NDF: 77.2/71

- sign -100.089+/-374.469 χ^2/NDF: 36.8/36



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.693+/-0.316 χ^2/NDF:774.5/18

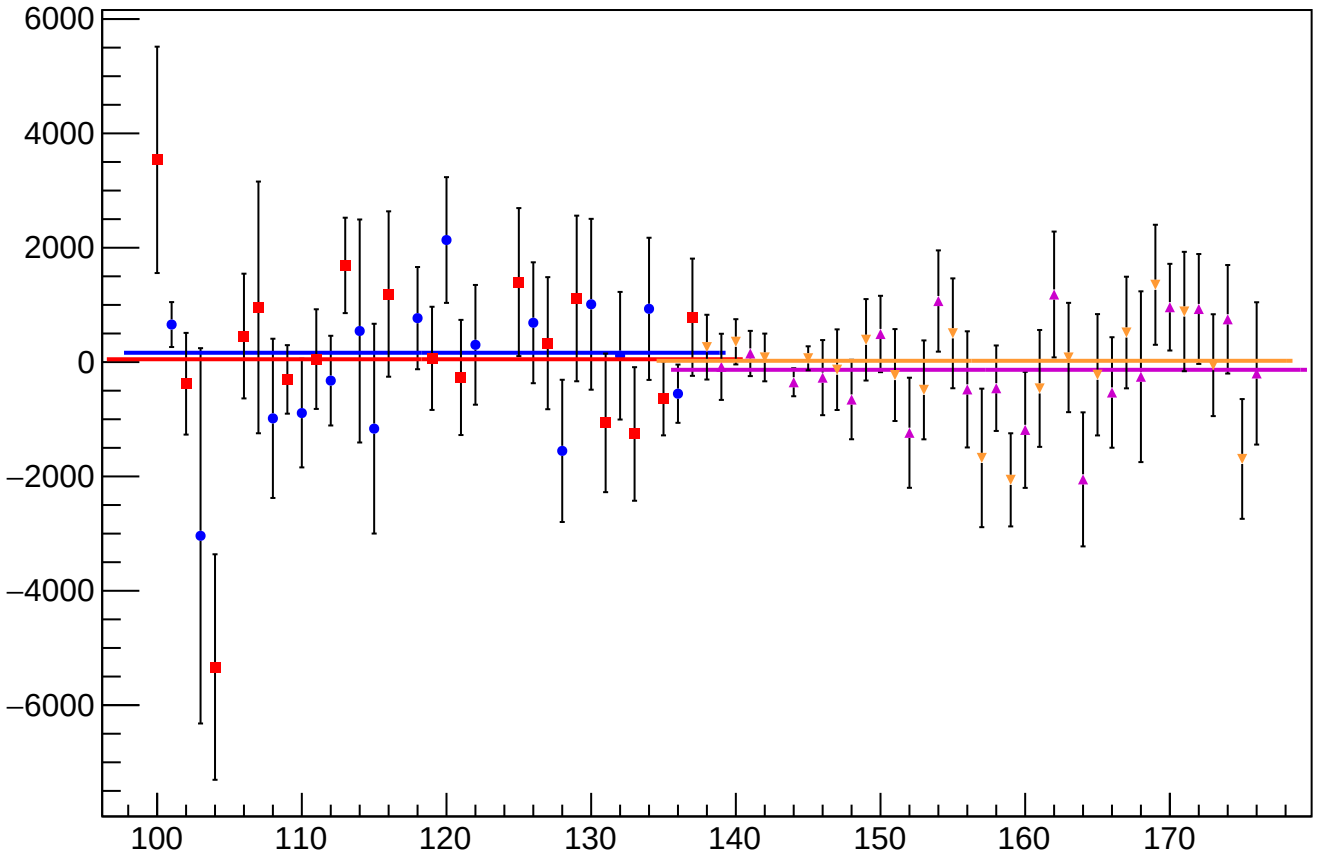
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.103+/-0.311 χ^2/NDF:2013.6/18

+ sign 1770.257+/-0.267 χ^2/NDF: 723427.2/34

All: 1774.738+/-0.188 χ^2/NDF: 1059887.3/71

- sign 1779.138+/-0.265 χ^2/NDF: 335902.8/36



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 22.601+/-133.554 χ^2/NDF:16.0/18

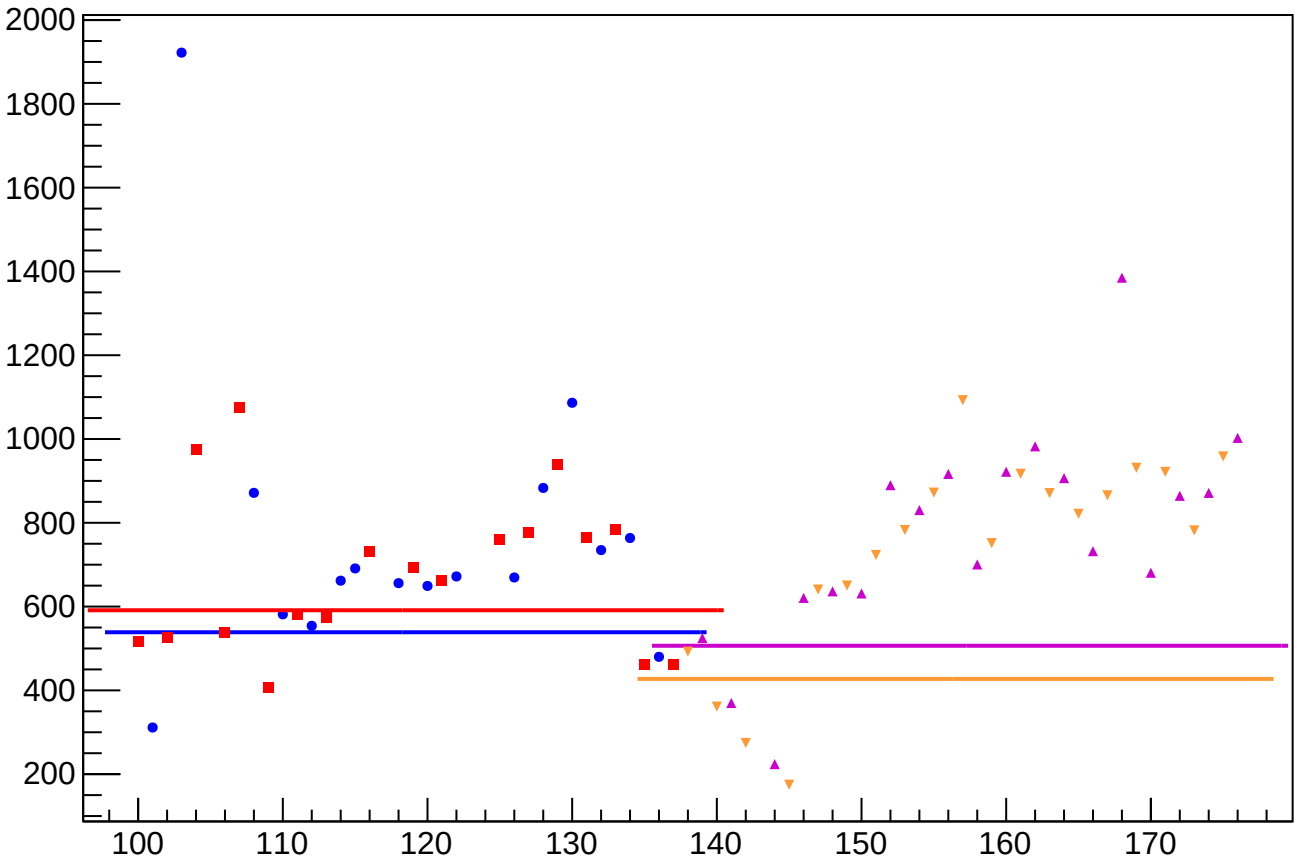
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -134.962+/-146.797 χ^2/NDF:15.8/18

+ sign 60.443+/-114.168 χ^2/NDF: 30.2/34

All: -5.337+/-84.290 χ^2/NDF: 68.6/71

- sign -84.155+/-124.971 χ^2/NDF: 37.7/36



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 427.337+/-0.094 χ^2/NDF:8891464.7/18

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

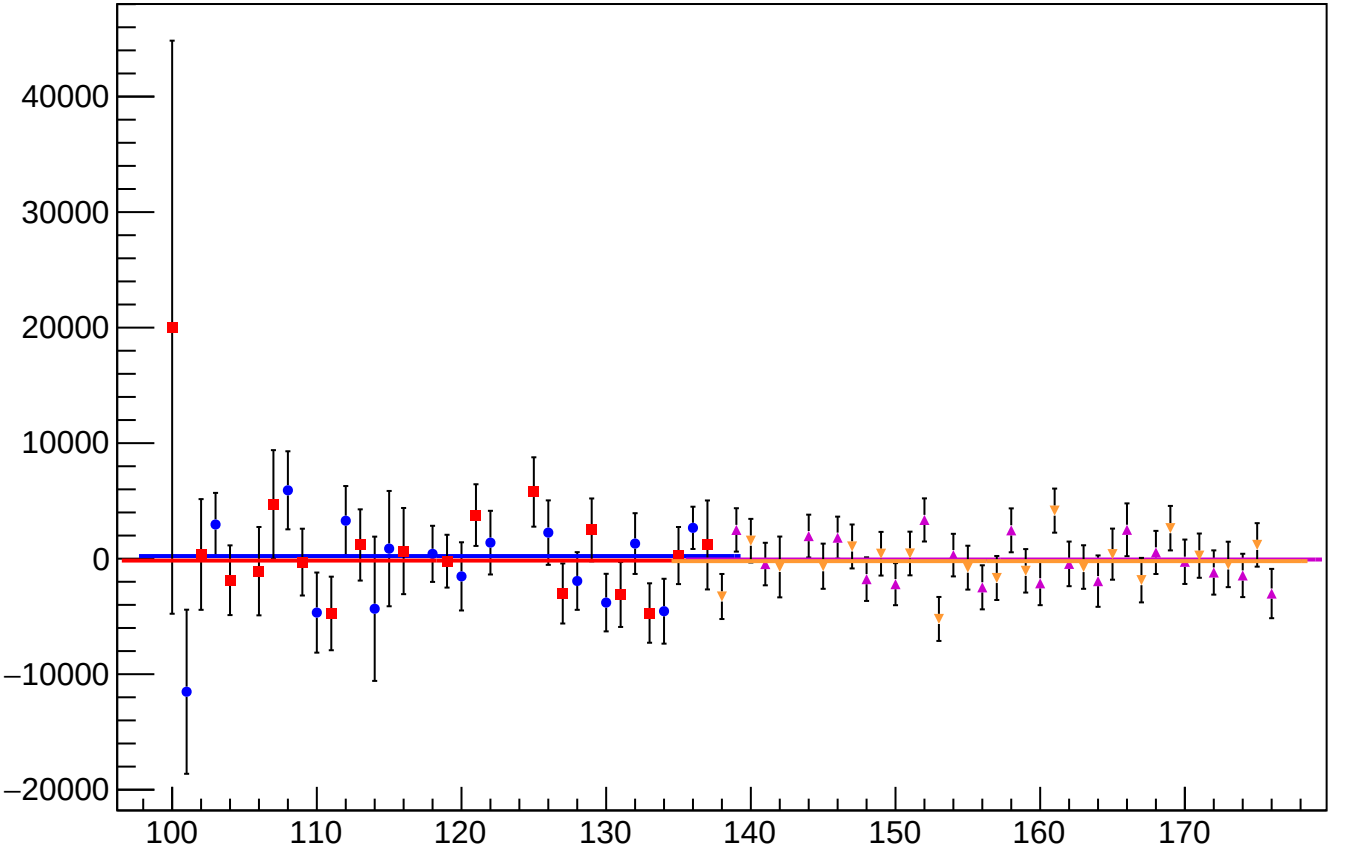
Left In: 506.495+/-0.104 χ^2/NDF:6885837.7/18

+ sign 457.322+/-0.081 χ^2/NDF: 11124786.1/34

All: 490.303+/-0.060 χ^2/NDF: 19405545.4/71

- sign 529.822+/-0.088 χ^2/NDF: 7913852.6/36

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -213.120+/-446.789 χ^2/NDF:20.9/18

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

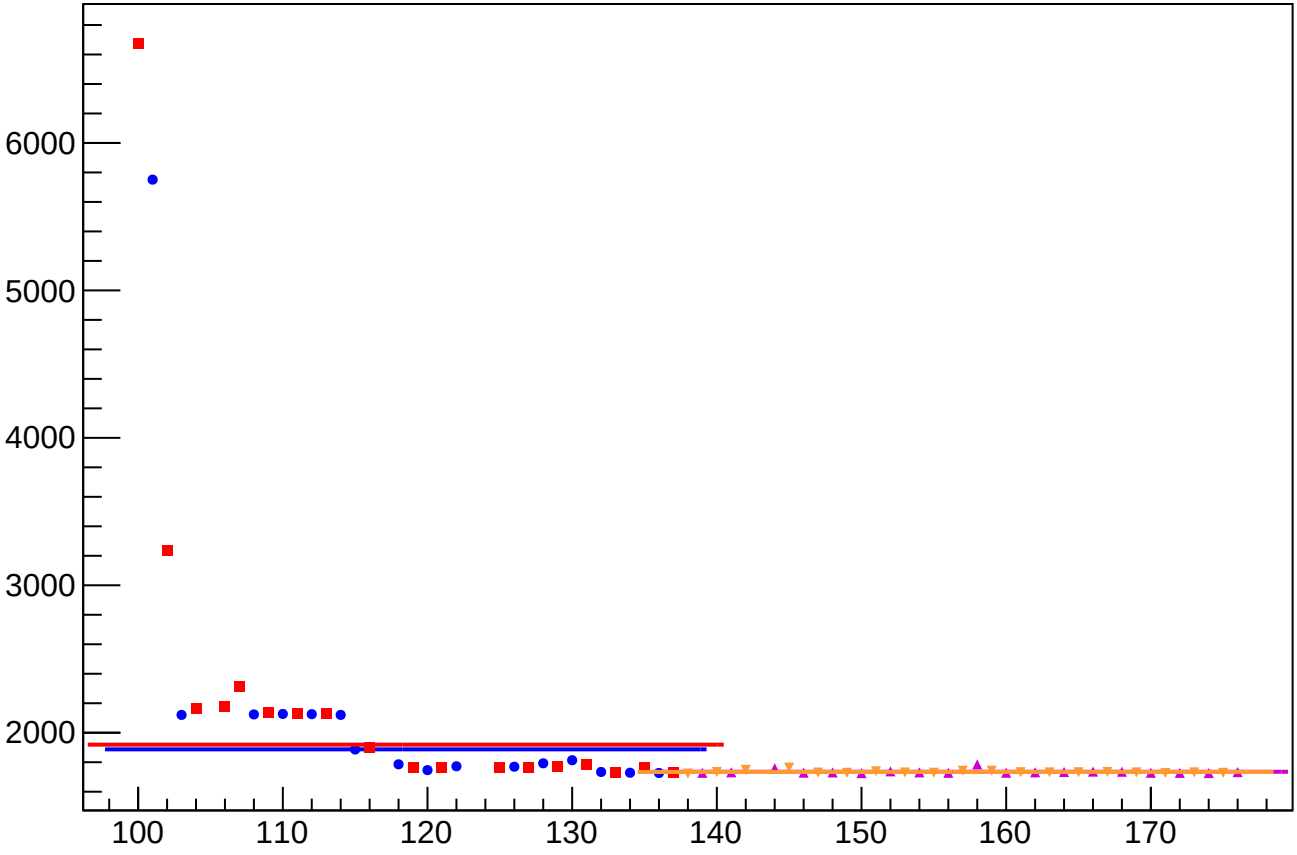
Left In: -73.215+/-440.175 χ^2/NDF:19.2/18

\+ sign -90.621+/-379.423 χ^2/NDF: 40.5/34

All: -94.113+/-267.206 χ^2/NDF: 76.8/71

\- sign -97.550+/-376.369 χ^2/NDF: 36.3/36

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1733.907+/-0.316 χ^2/NDF:774.0/18

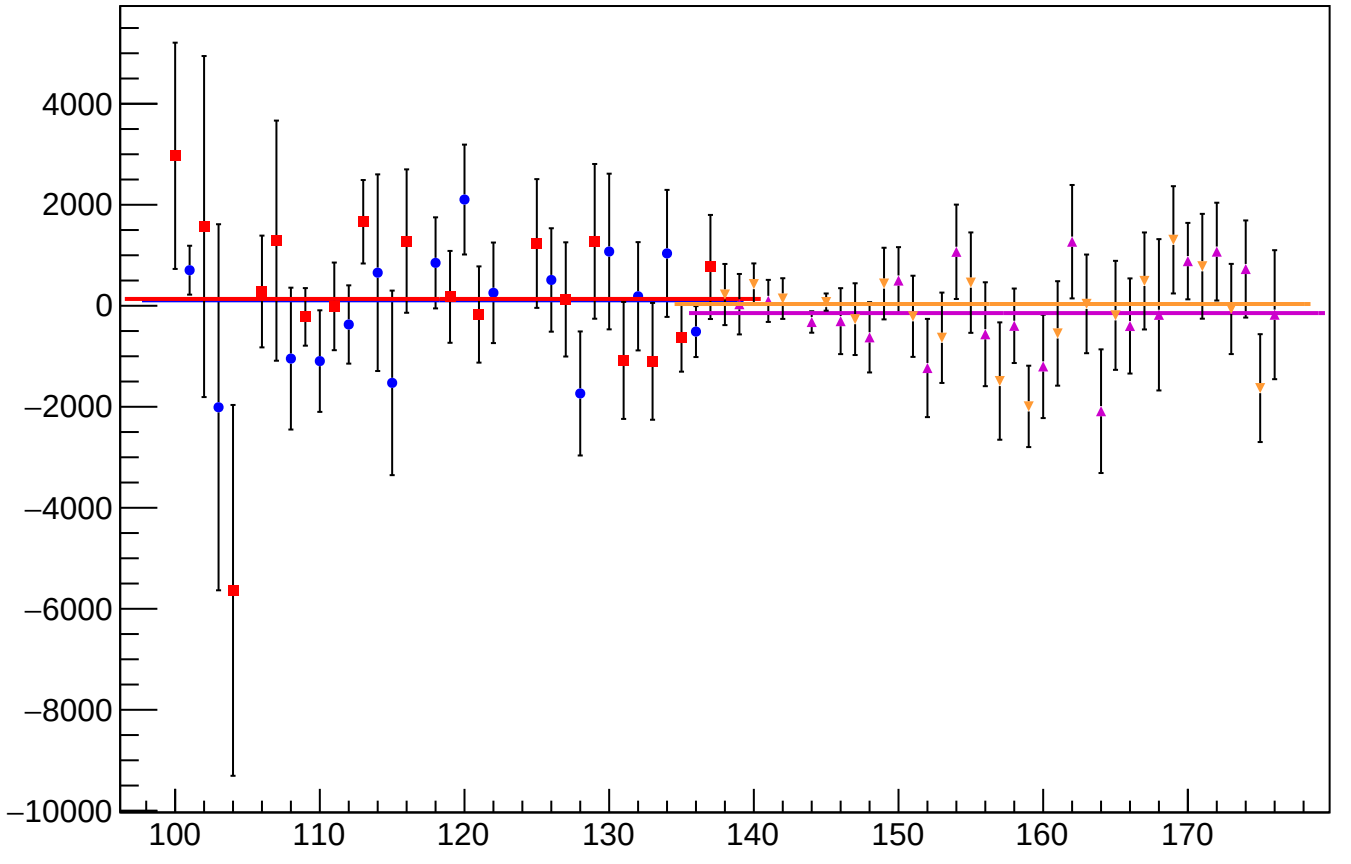
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.284+/-0.311 χ^2/NDF:2010.8/18

+ sign 1776.679+/-0.268 χ^2/NDF: 755954.8/34

All: 1780.737+/-0.189 χ^2/NDF: 1204838.8/71

- sign 1784.730+/-0.266 χ^2/NDF: 448430.2/36



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 35.052+/-121.948 χ^2/NDF:15.5/18

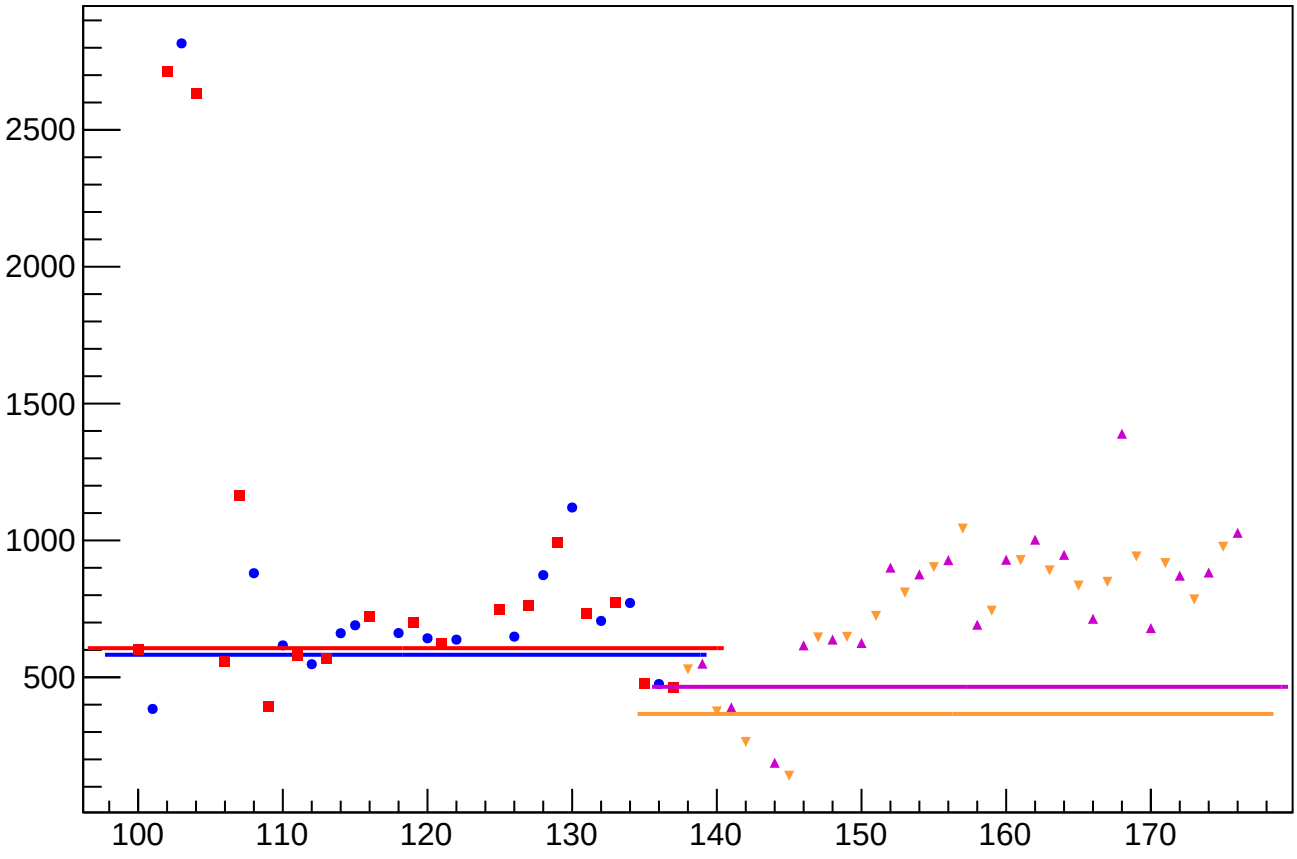
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -144.748+/-140.126 χ^2/NDF:15.3/18

\+ sign 50.903+/-107.915 χ^2/NDF: 29.7/34

All: -4.975+/-80.758 χ^2/NDF: 61.0/71

\- sign -76.100+/-121.750 χ^2/NDF: 30.6/36



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 366.216+/-0.086 χ^2/NDF:11297508.7/18

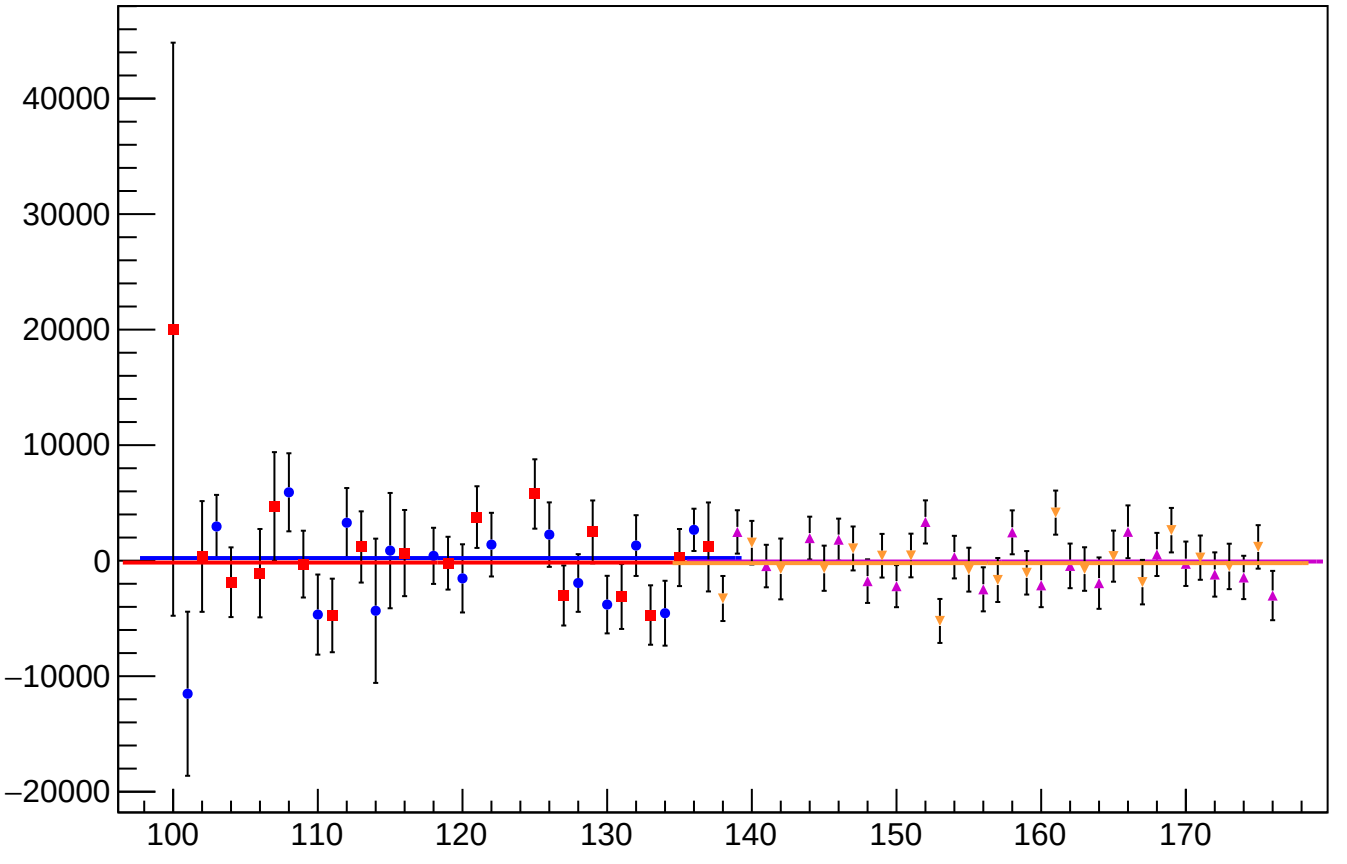
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 465.208+/-0.099 χ^2/NDF:8610498.9/18

+ sign 413.079+/-0.076 χ^2/NDF: 14413494.3/34

All: 451.245+/-0.057 χ^2/NDF: 26288954.3/71

- sign 499.824+/-0.086 χ^2/NDF: 11306897.7/36



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -213.124+/-446.789 χ^2/NDF:20.9/18

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

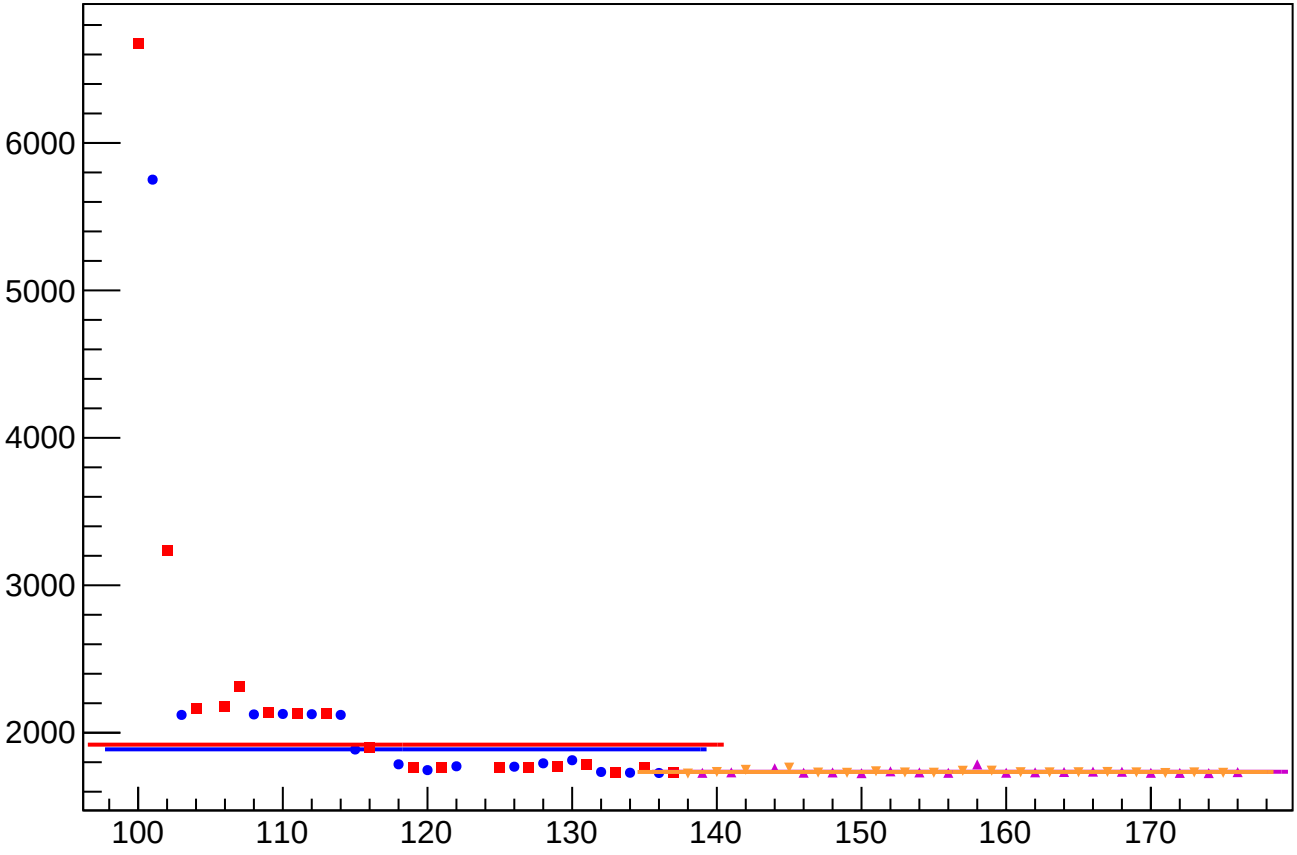
Left In: -73.216+/-440.175 χ^2/NDF:19.2/18

\+ sign -90.623+/-379.423 χ^2/NDF: 40.5/34

All: -94.115+/-267.206 χ^2/NDF: 76.8/71

\- sign -97.551+/-376.369 χ^2/NDF: 36.3/36

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: 1733.907+/-0.316 χ^2/NDF:774.0/18

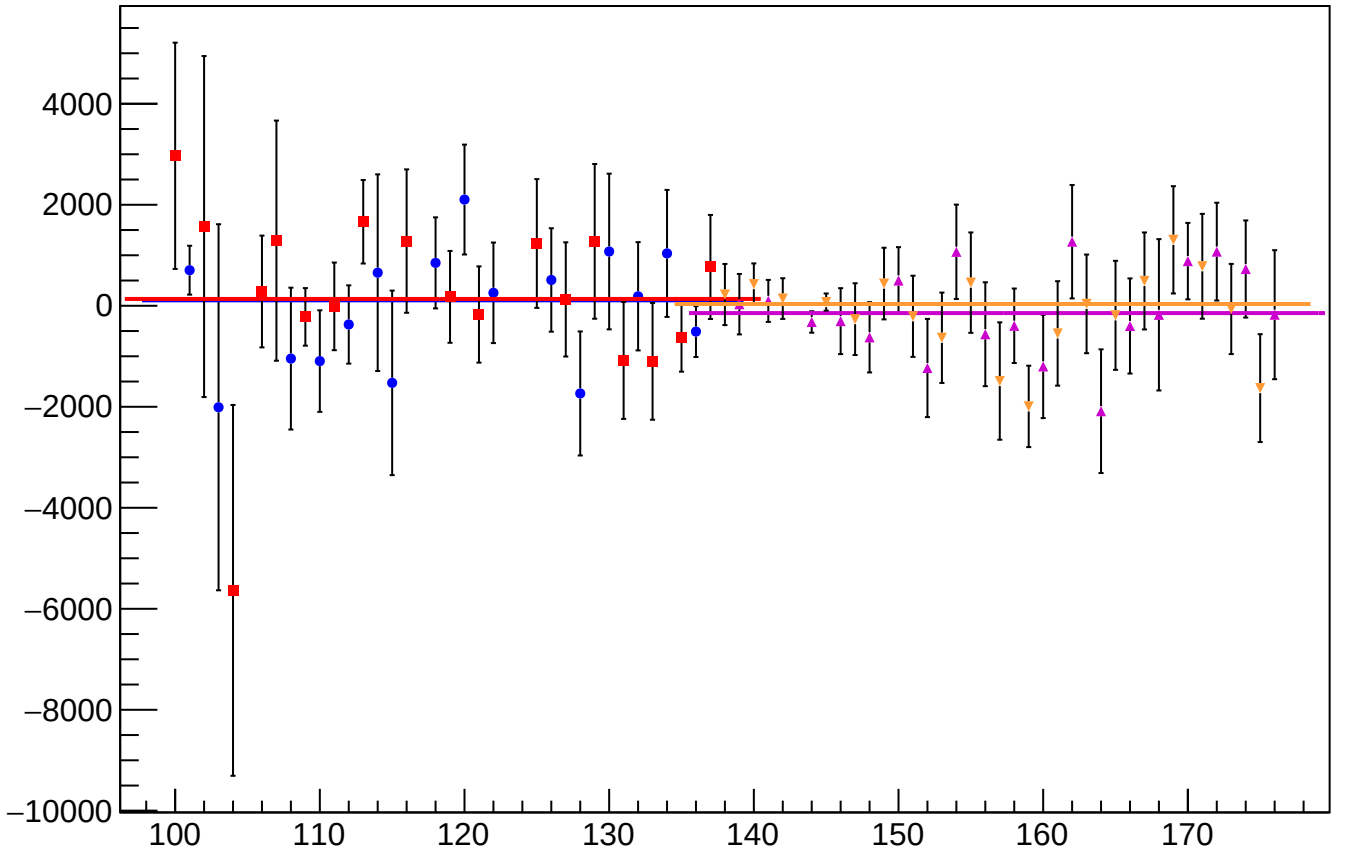
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.284+/-0.311 χ^2/NDF:2010.8/18

+ sign 1776.679+/-0.268 χ^2/NDF: 755954.4/34

All: 1780.737+/-0.189 χ^2/NDF: 1204837.6/71

- sign 1784.730+/-0.266 χ^2/NDF: 448429.3/36



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 35.051+/-121.948 χ^2/NDF:15.5/18

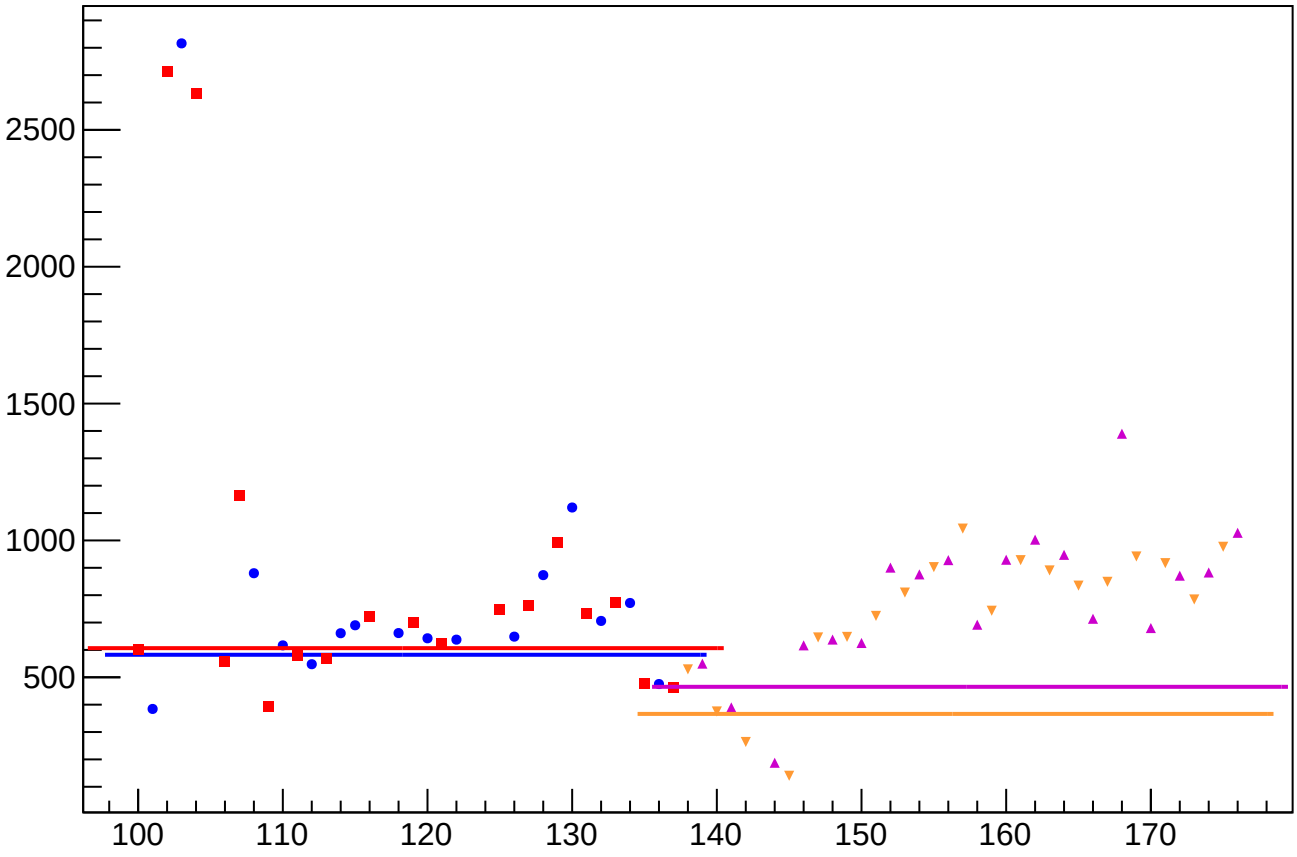
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -144.749+/-140.127 χ^2/NDF:15.3/18

+ sign 50.902+/-107.915 χ^2/NDF: 29.7/34

All: -4.976+/-80.758 χ^2/NDF: 61.0/71

- sign -76.100+/-121.751 χ^2/NDF: 30.6/36



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 366.216+/-0.086 χ^2/NDF:11297547.2/18

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

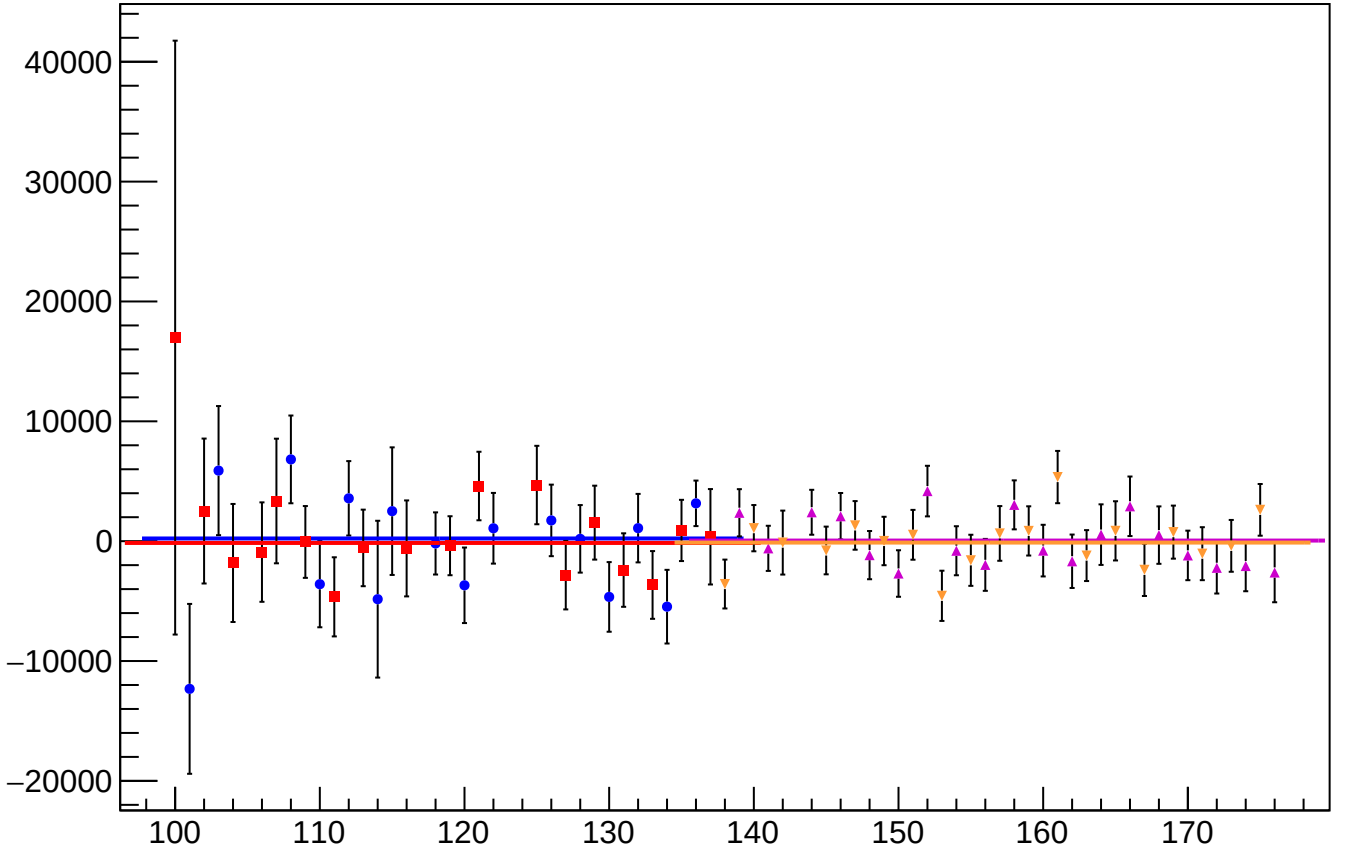
Left In: 465.209+/-0.099 χ^2/NDF:8610521.2/18

+ sign 413.079+/-0.076 χ^2/NDF: 14413505.5/34

All: 451.245+/-0.057 χ^2/NDF: 26288975.6/71

- sign 499.824+/-0.086 χ^2/NDF: 11306907.9/36

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -116.503+/-491.350 χ^2/NDF:19.0/18

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

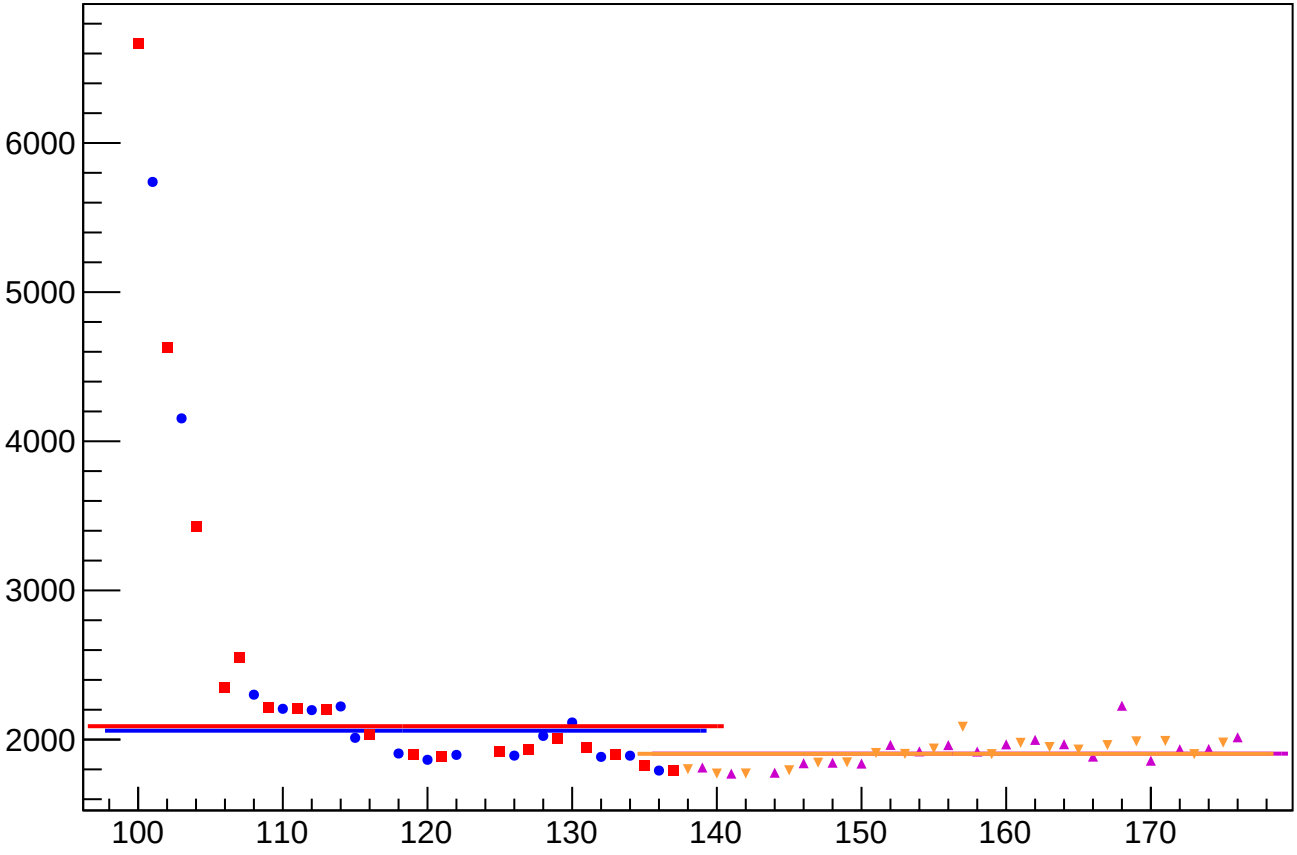
Left In: 50.619+/-484.060 χ^2/NDF:19.4/18

+ sign -21.670+/-417.479 χ^2/NDF: 40.3/34

All: -12.330+/-293.726 χ^2/NDF: 71.3/71

- sign -3.174+/-413.334 χ^2/NDF: 31.0/36

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1904.469+/-0.347 χ^2/NDF:55310.7/18

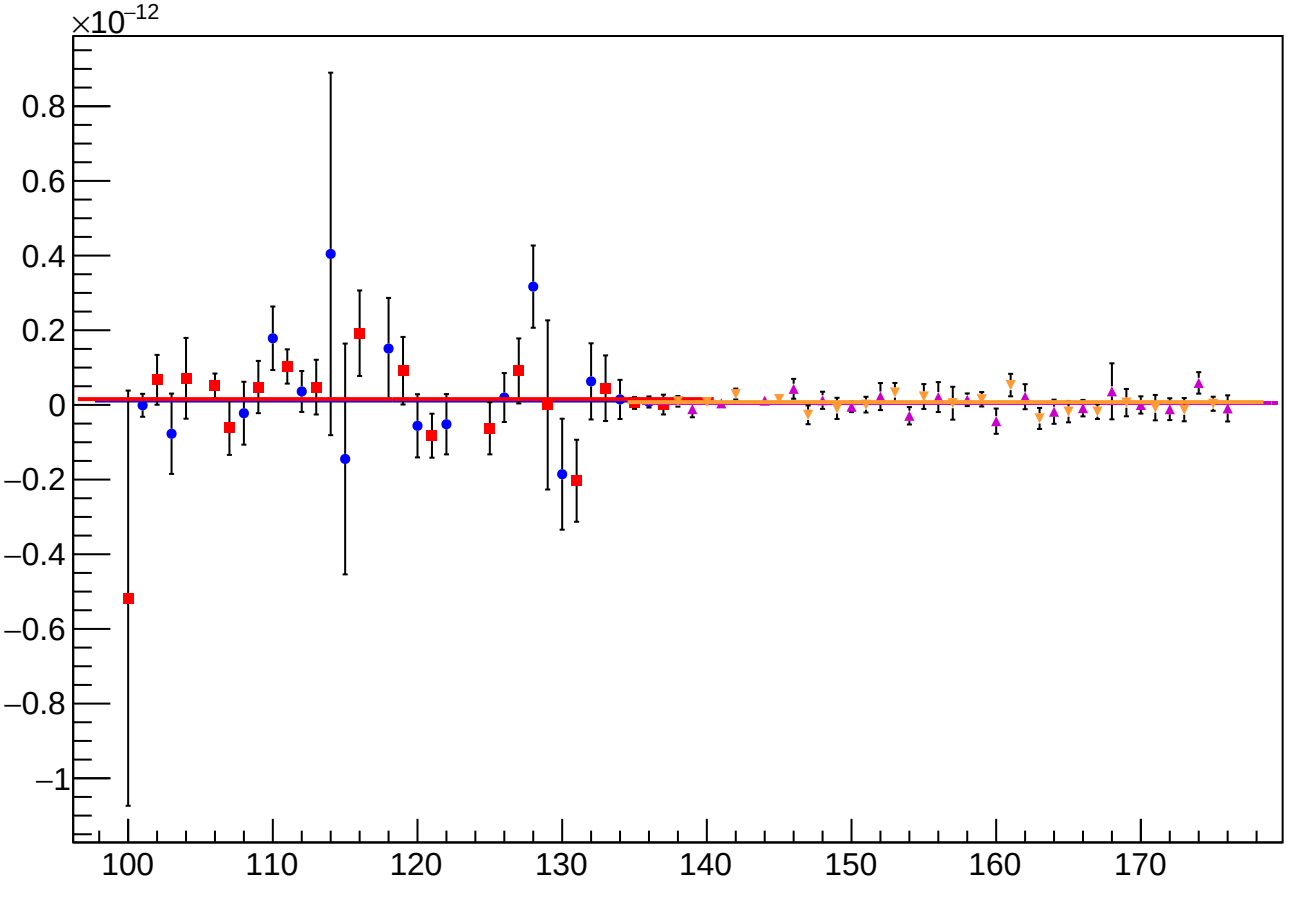
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1905.534+/-0.342 χ^2/NDF:81600.9/18

\+ sign 1947.579+/-0.295 χ^2/NDF: 1050549.3/34

All: 1951.508+/-0.208 χ^2/NDF: 1892194.9/71

\- sign 1955.359+/-0.292 χ^2/NDF: 841294.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/18

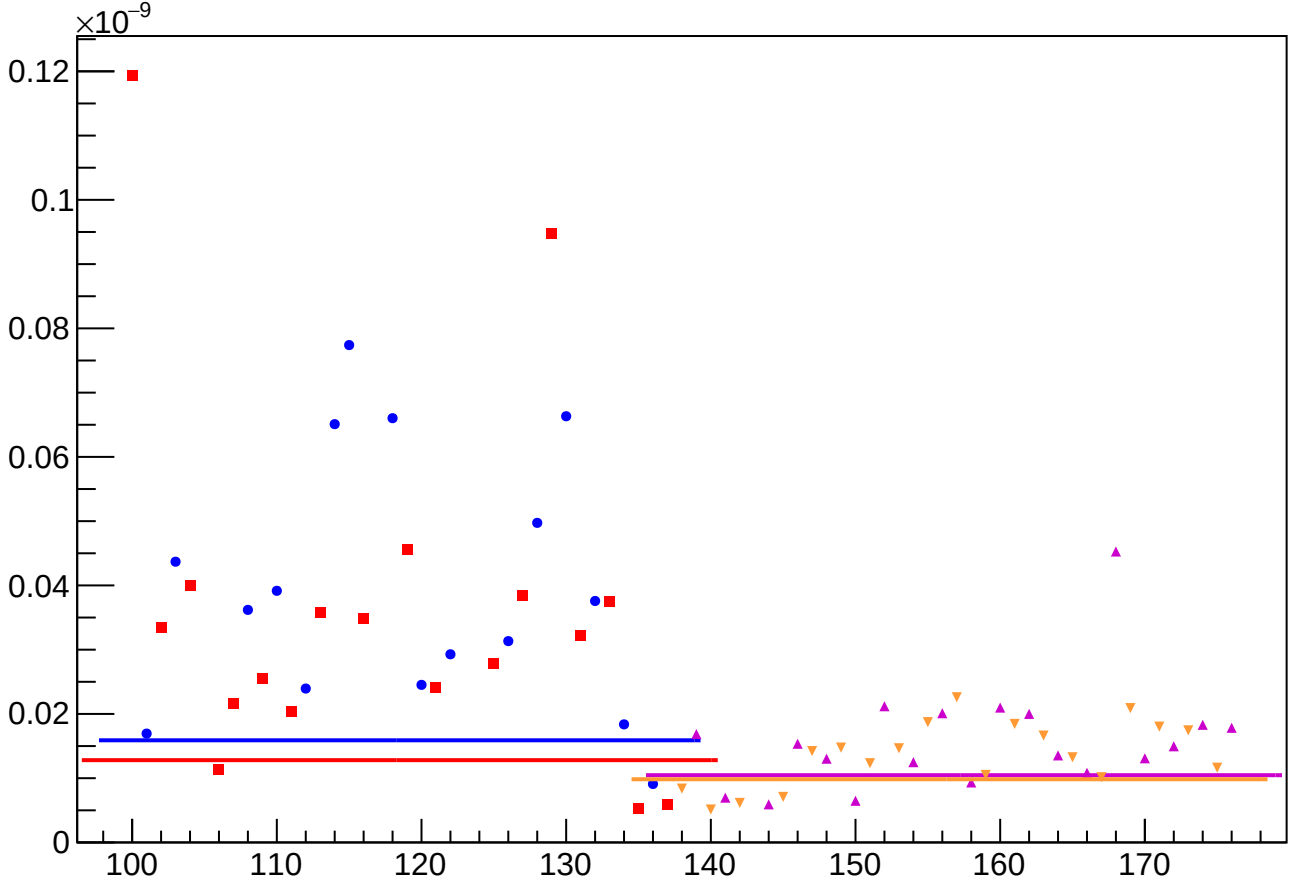
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:13.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 32.3/34

All: 0.000+/-0.000 χ^2/NDF: 67.8/71

- sign 0.000+/-0.000 χ^2/NDF: 35.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2006985.1/18

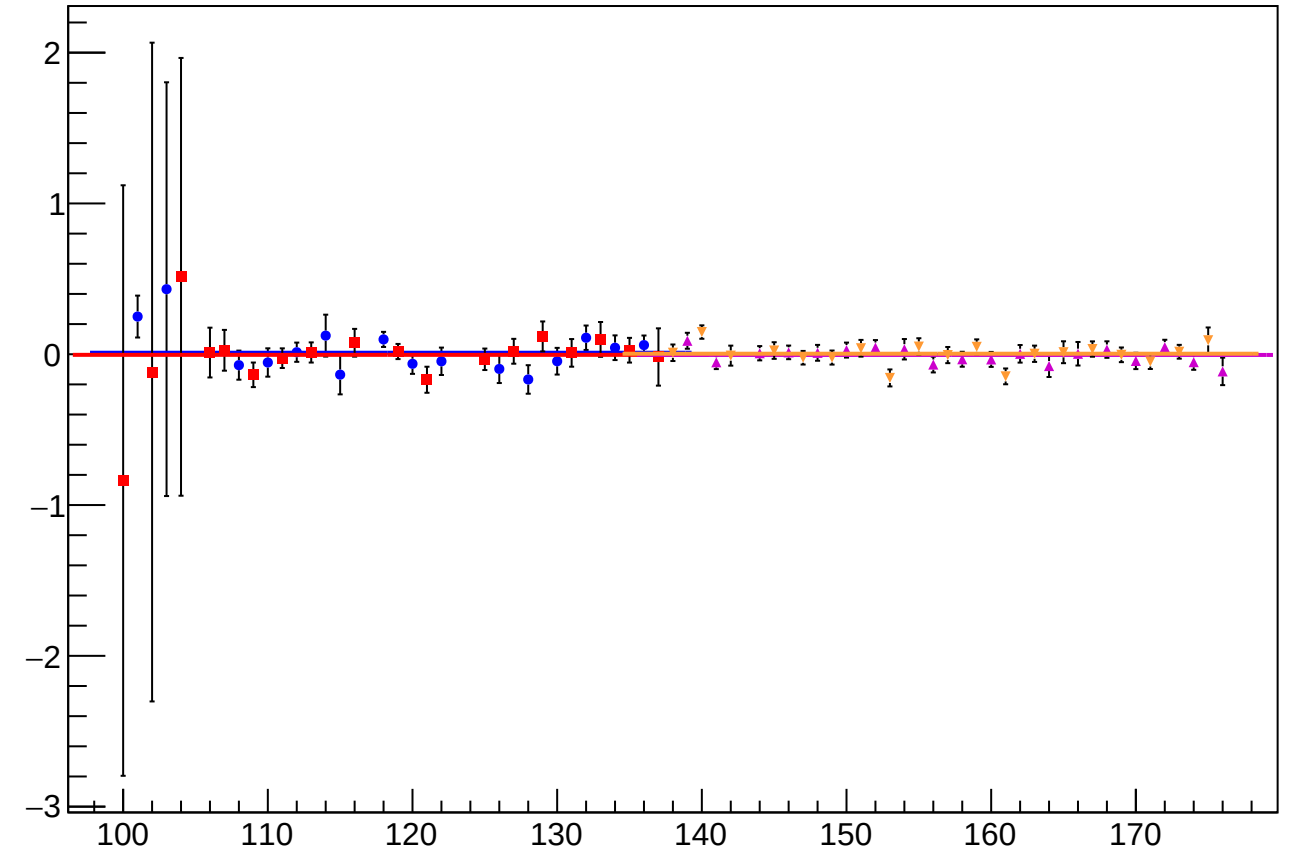
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2470202.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 4419430.6/34

All: 0.000+/-0.000 χ^2/NDF: 9458786.7/71

- sign 0.000+/-0.000 χ^2/NDF: 5036603.5/36



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:32.2/18

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

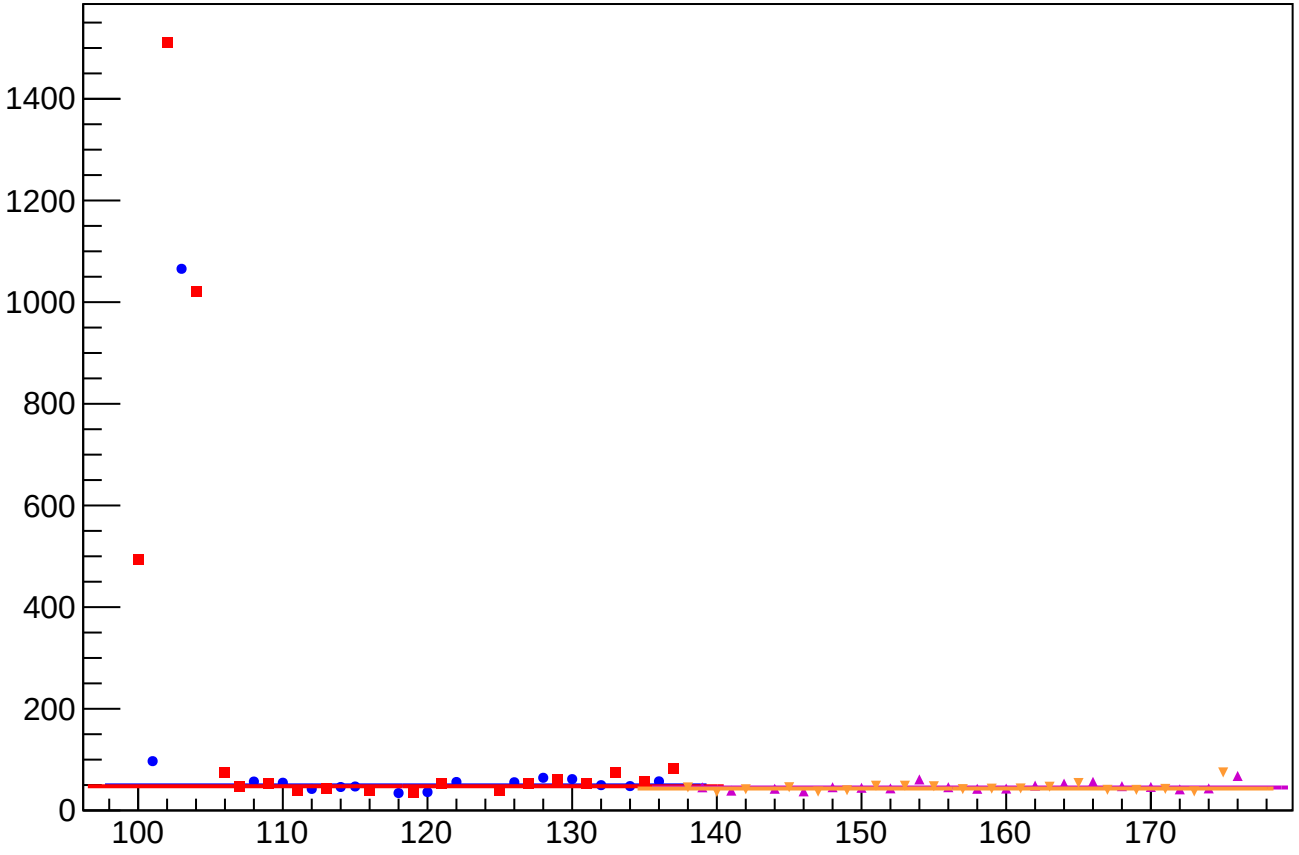
Left In: -0.005+/-0.012 χ^2/NDF:13.9/18

+ sign 0.005+/-0.011 χ^2/NDF: 50.8/34

All: 0.000+/-0.007 χ^2/NDF: 75.5/71

- sign -0.004+/-0.011 χ^2/NDF: 24.4/36

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.152+/-0.009 χ^2/NDF:527839.5/18

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

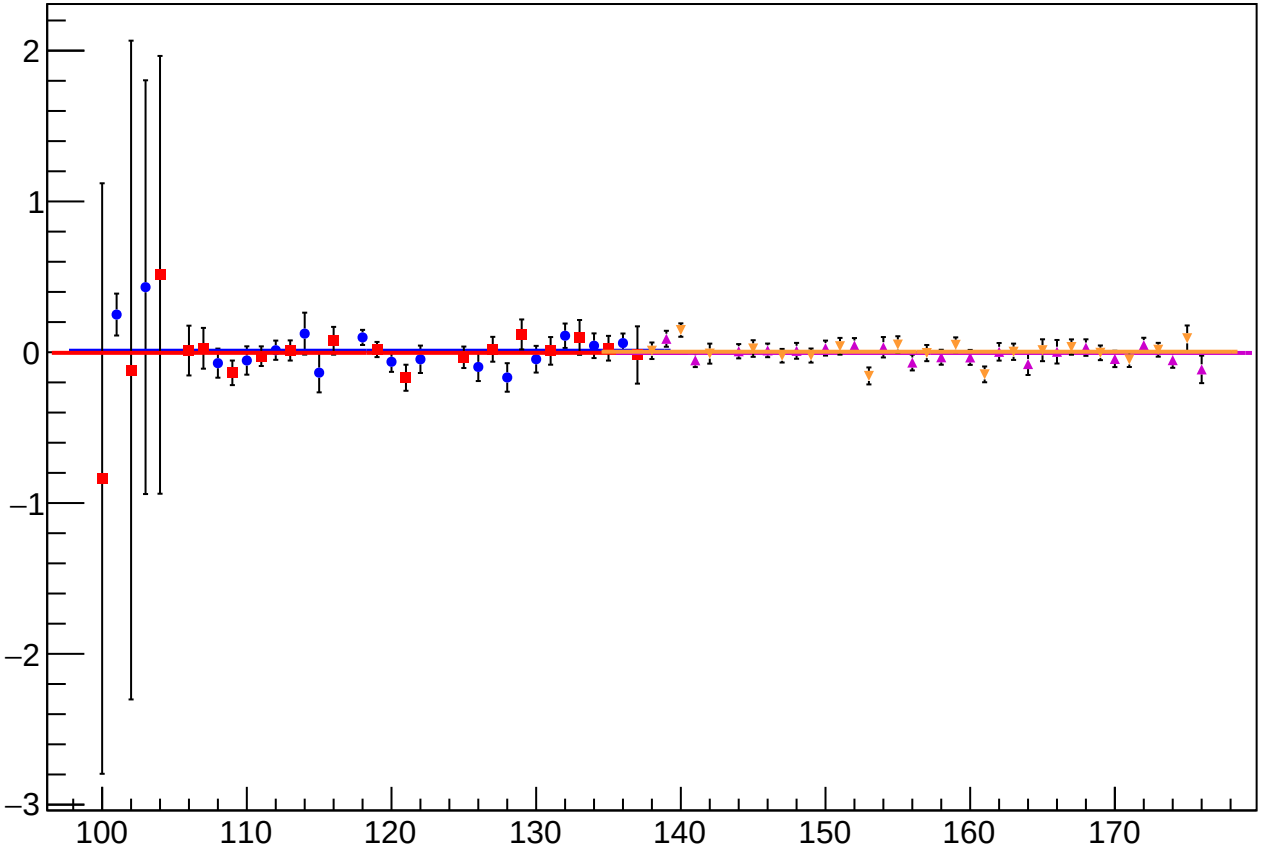
Left In: 45.153+/-0.009 χ^2/NDF:433090.3/18

+ sign 44.706+/-0.007 χ^2/NDF: 2435077.0/34

All: 45.223+/-0.005 χ^2/NDF: 5315751.2/71

- sign 45.758+/-0.008 χ^2/NDF: 2870813.7/36

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: 0.003+/-0.012 χ^2/NDF:32.2/18

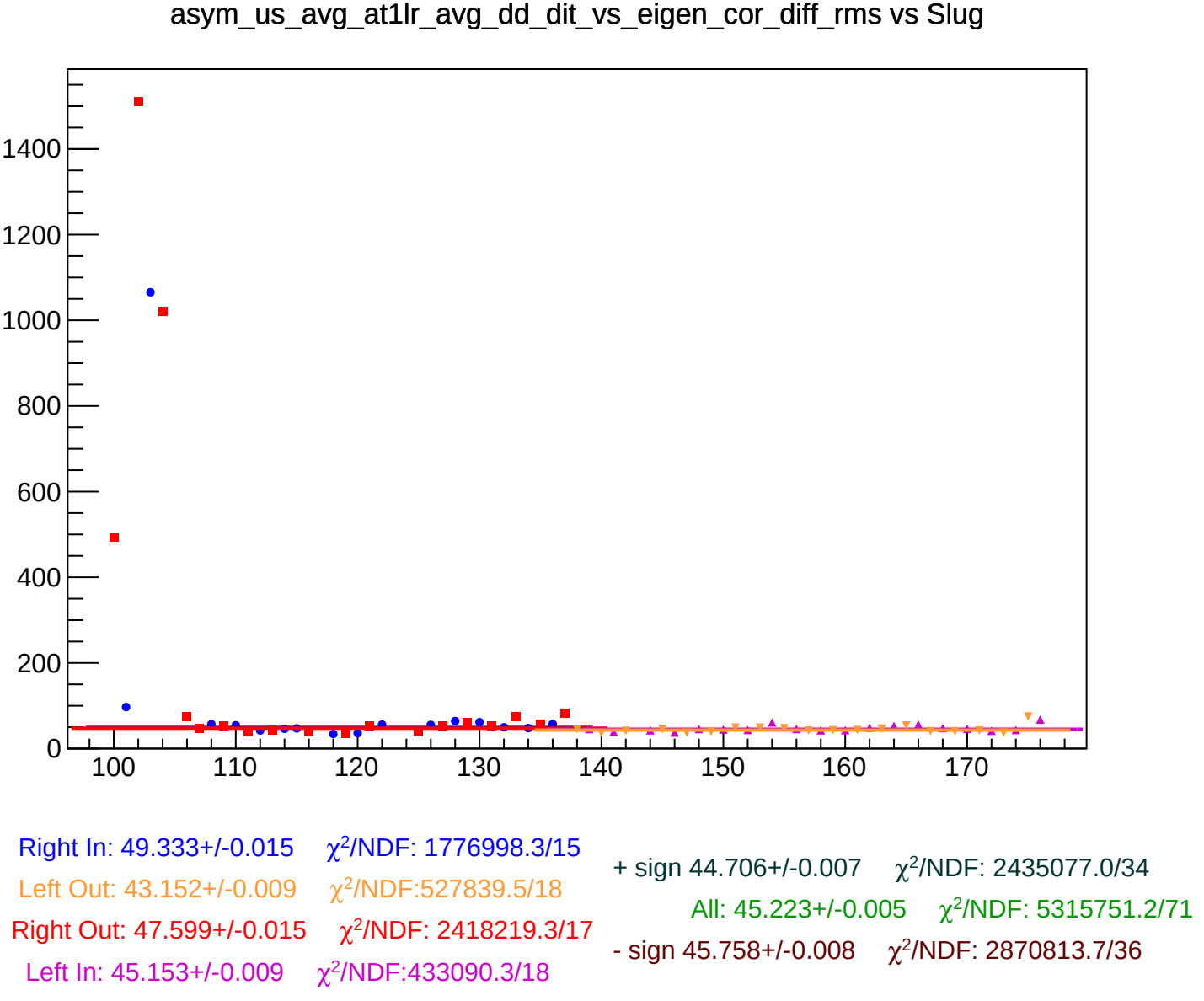
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

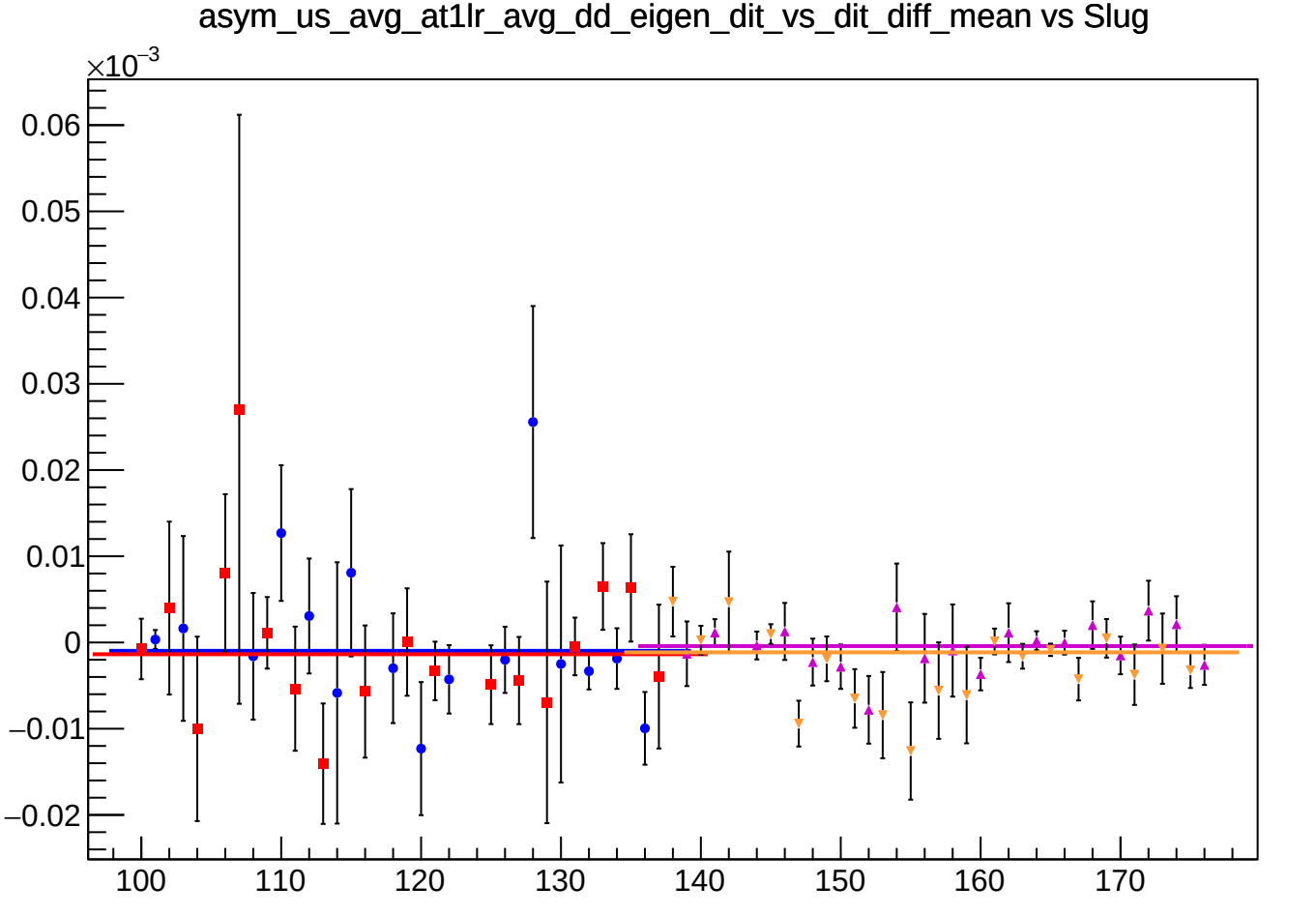
Left In: -0.005+/-0.012 χ^2/NDF:13.9/18

+ sign 0.005+/-0.011 χ^2/NDF: 50.8/34

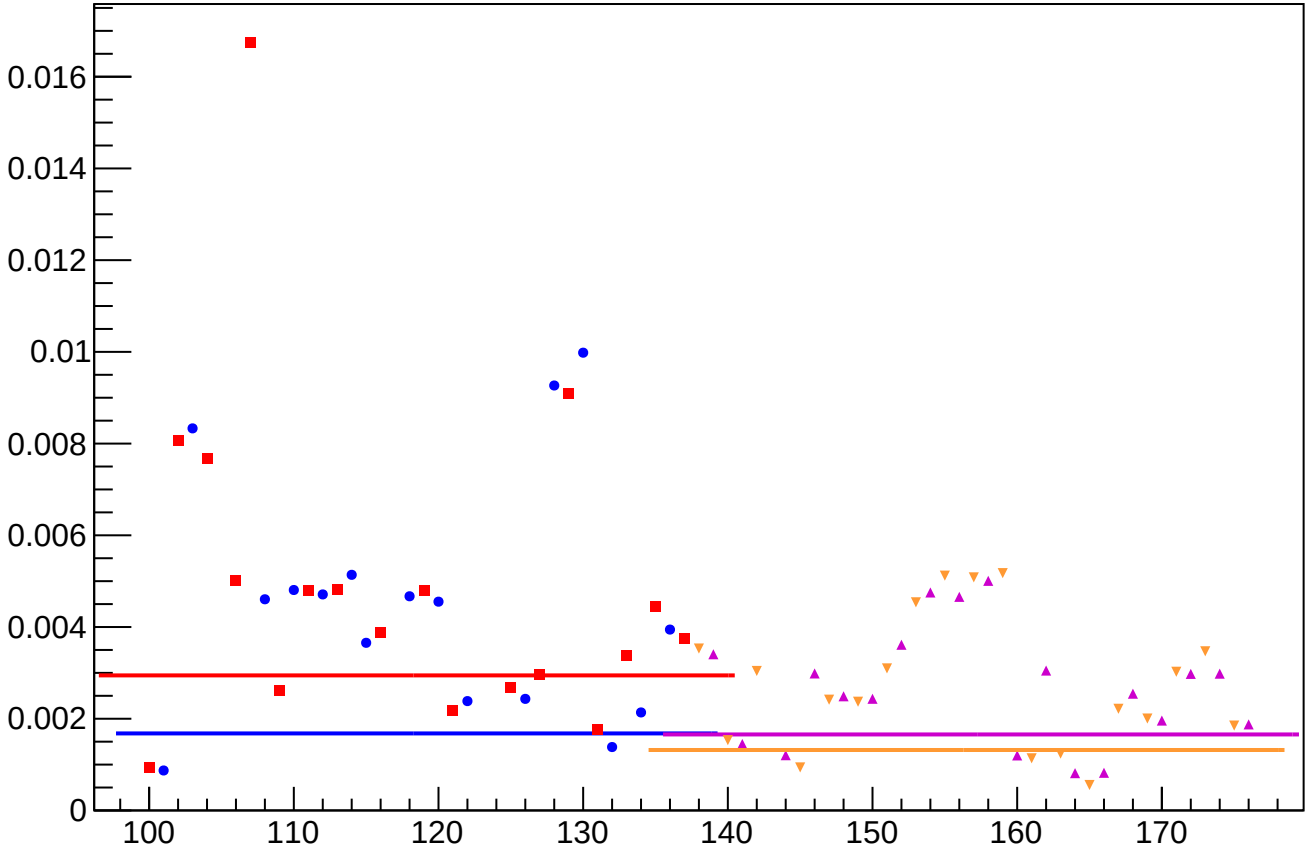
All: 0.000+/-0.007 χ^2/NDF: 75.5/71

- sign -0.004+/-0.011 χ^2/NDF: 24.4/36


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
160
170
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 43.152+/-0.009 χ²/NDF:527839.5/18
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 45.153+/-0.009 χ²/NDF:433090.3/18
+ sign 44.706+/-0.007 χ²/NDF: 2435077.0/34
All: 45.223+/-0.005 χ²/NDF: 5315751.2/71
- sign 45.758+/-0.008 χ²/NDF: 2870813.7/36


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:31.8/18
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:14.6/18
+ sign -0.000+/-0.000 χ²/NDF: 50.5/34
All: -0.000+/-0.000 χ²/NDF: 79.0/71
- sign -0.000+/-0.000 χ²/NDF: 27.7/36

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:9764704.7/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

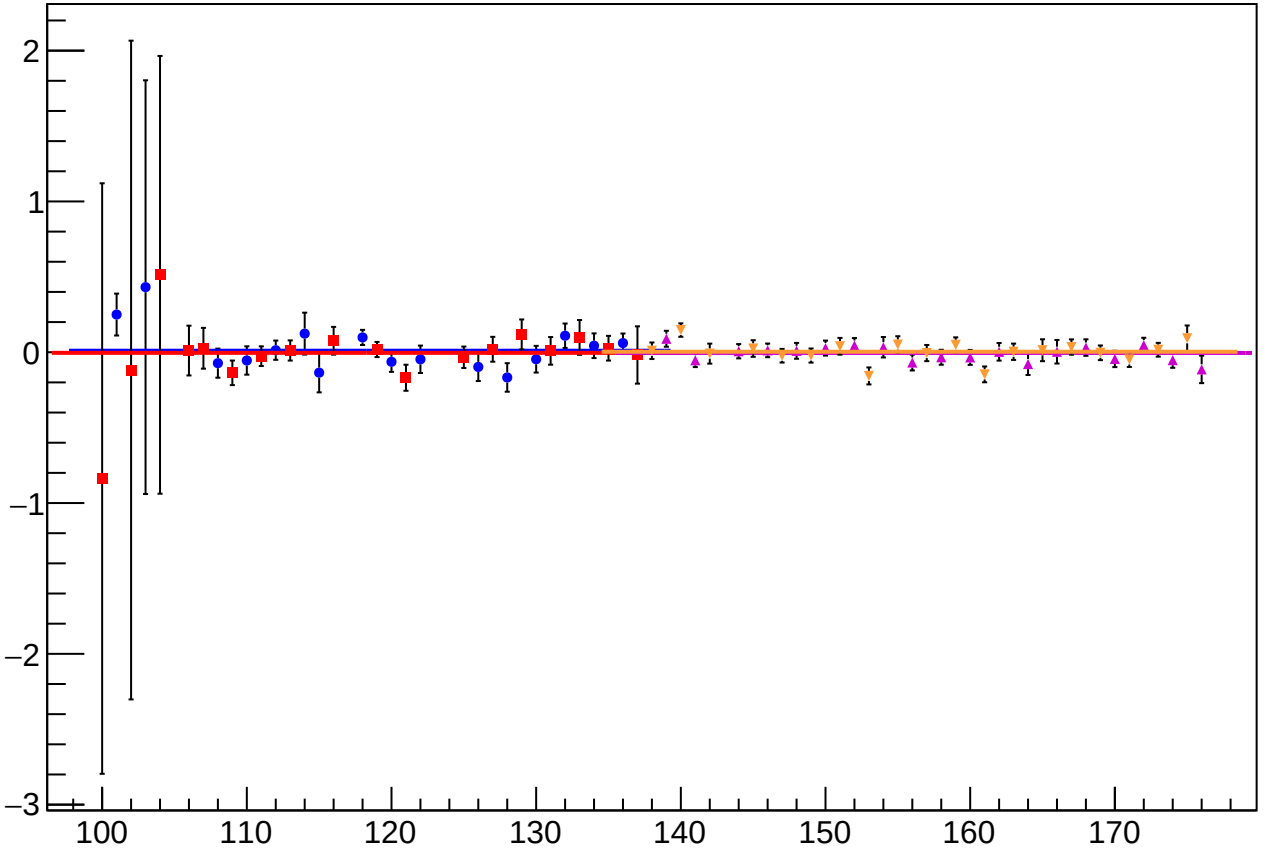
Left In: 0.002+/-0.000 χ^2/NDF:7291942.1/18

+ sign 0.001+/-0.000 χ^2/NDF: 16023166.3/34

All: 0.002+/-0.000 χ^2/NDF: 29441776.3/71

- sign 0.002+/-0.000 χ^2/NDF: 12397147.7/36

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: 0.003+/-0.012 χ^2/NDF:32.2/18

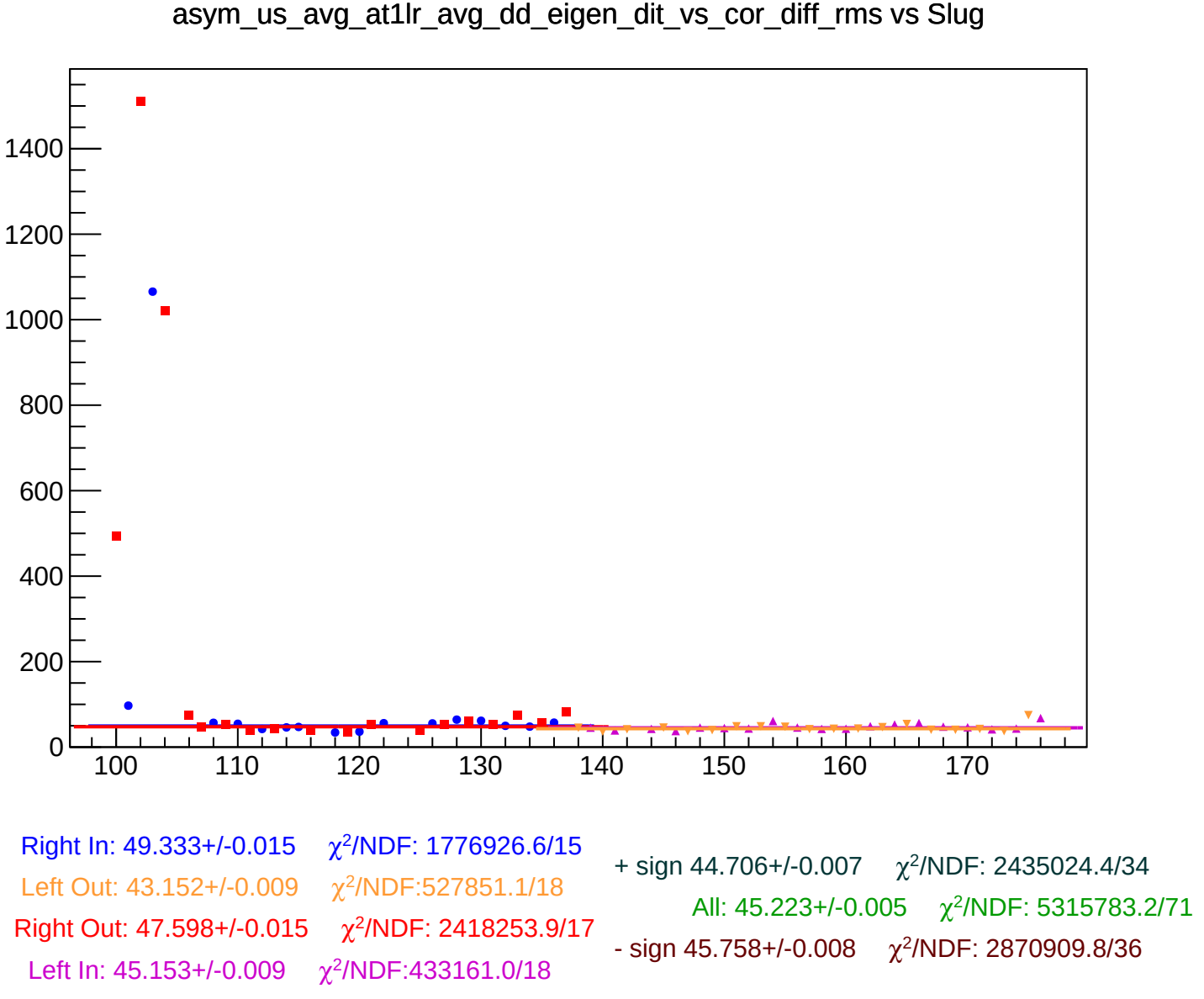
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.005+/-0.012 χ^2/NDF:13.9/18

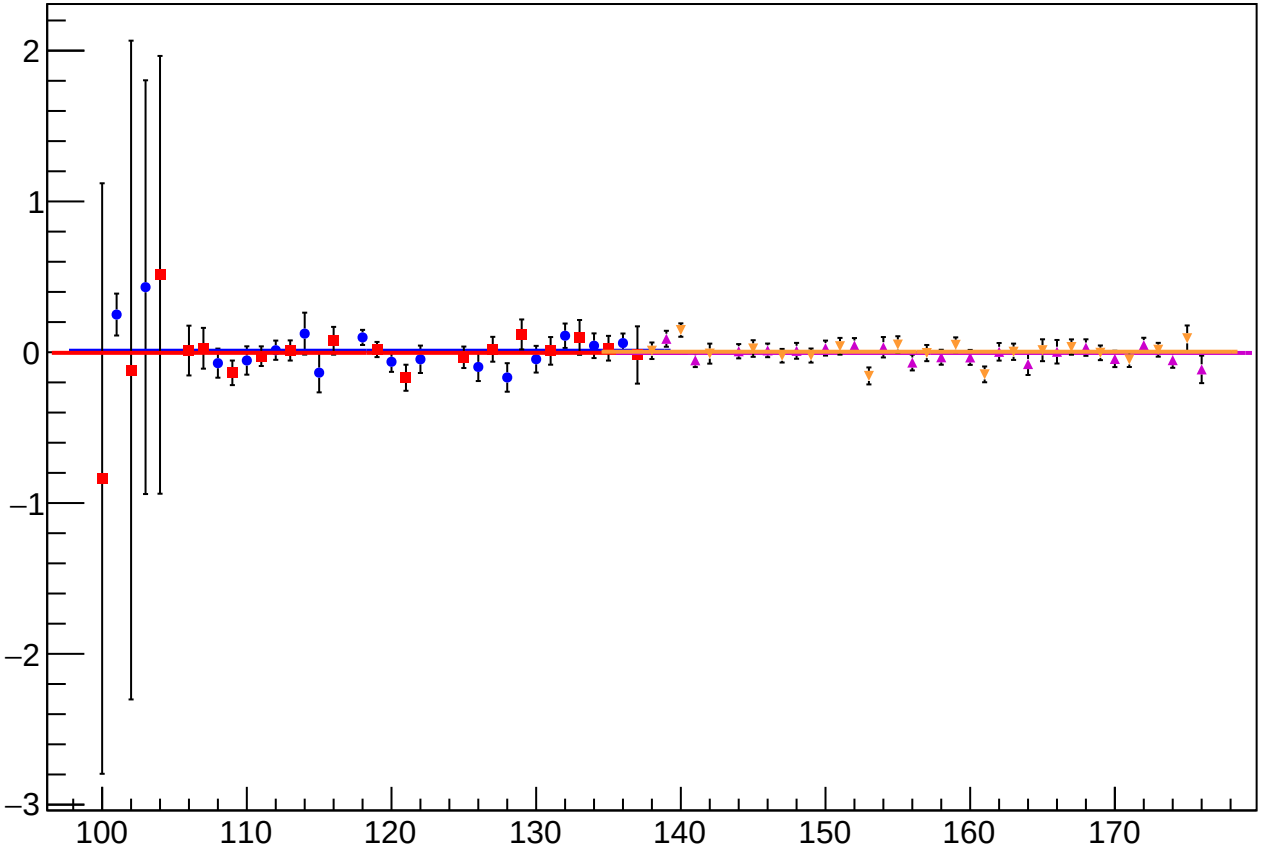
+ sign 0.005+/-0.011 χ^2/NDF: 50.8/34

All: 0.000+/-0.007 χ^2/NDF: 75.5/71

- sign -0.004+/-0.011 χ^2/NDF: 24.4/36


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 43.152+/-0.009 χ²/NDF:527851.1/18
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 45.153+/-0.009 χ²/NDF:433161.0/18
+ sign 44.706+/-0.007 χ²/NDF: 2435024.4/34
All: 45.223+/-0.005 χ²/NDF: 5315783.2/71
- sign 45.758+/-0.008 χ²/NDF: 2870909.8/36

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: 0.003+/-0.012 χ^2/NDF:32.2/18

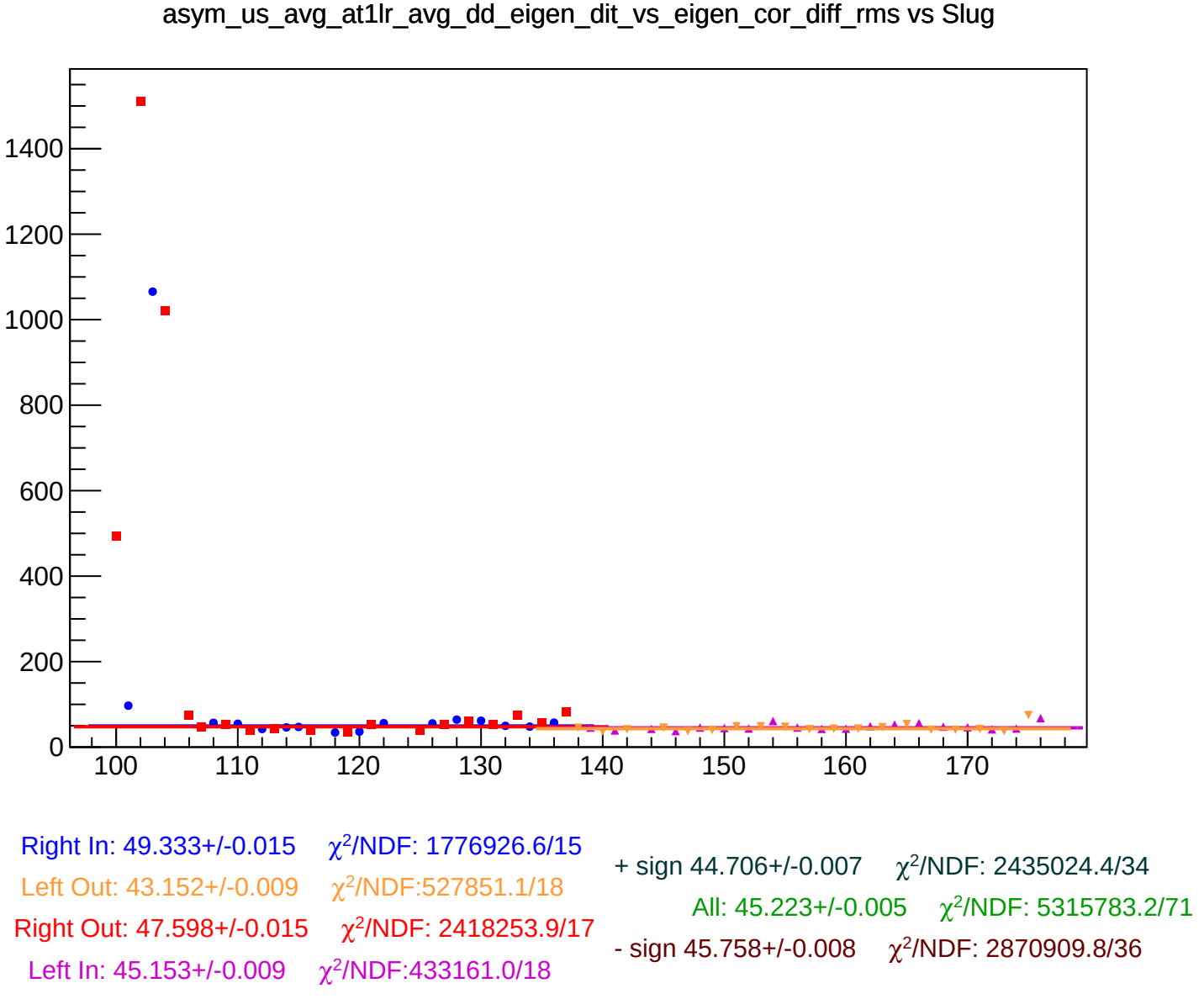
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

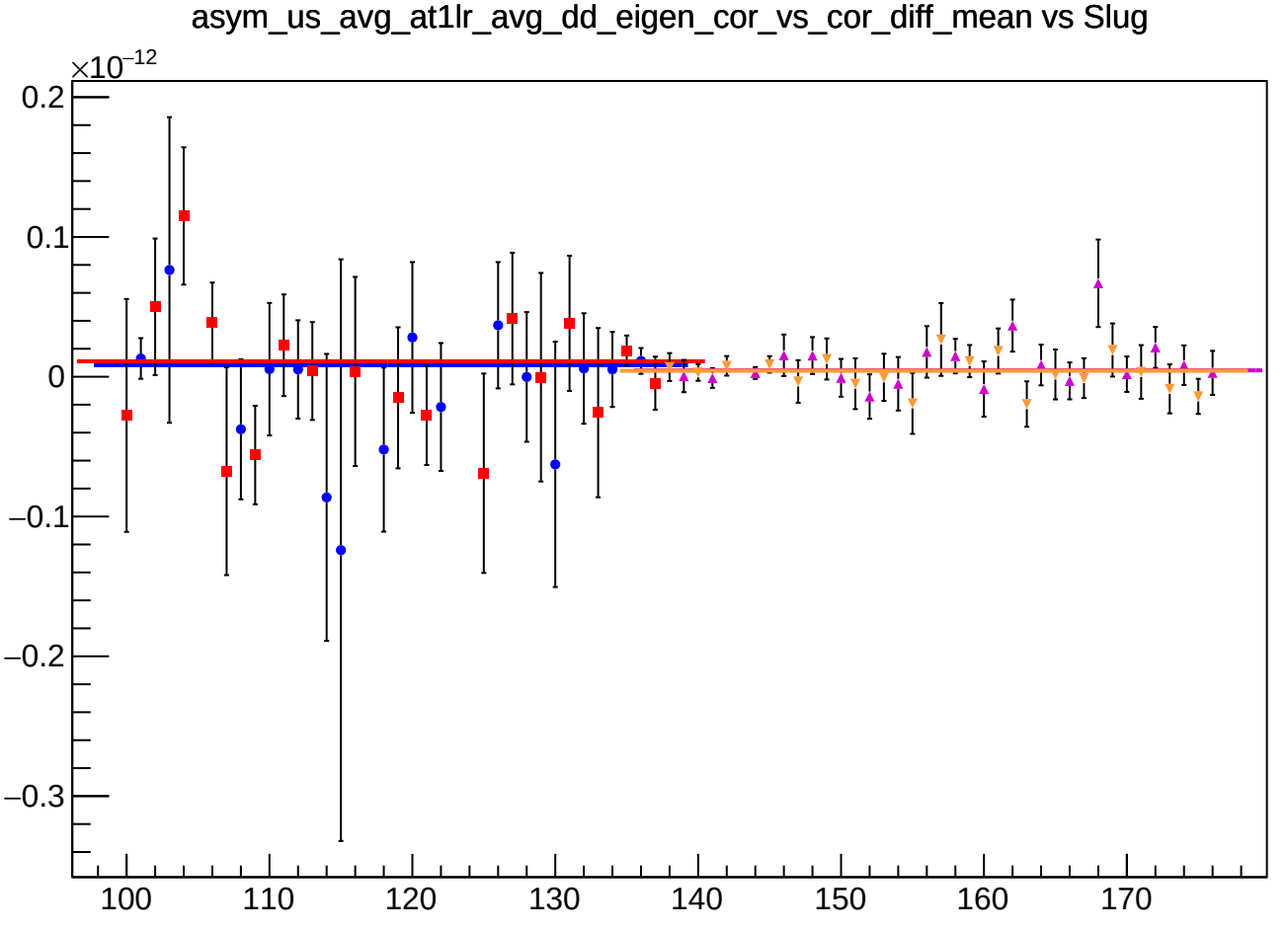
Left In: -0.005+/-0.012 χ^2/NDF:13.9/18

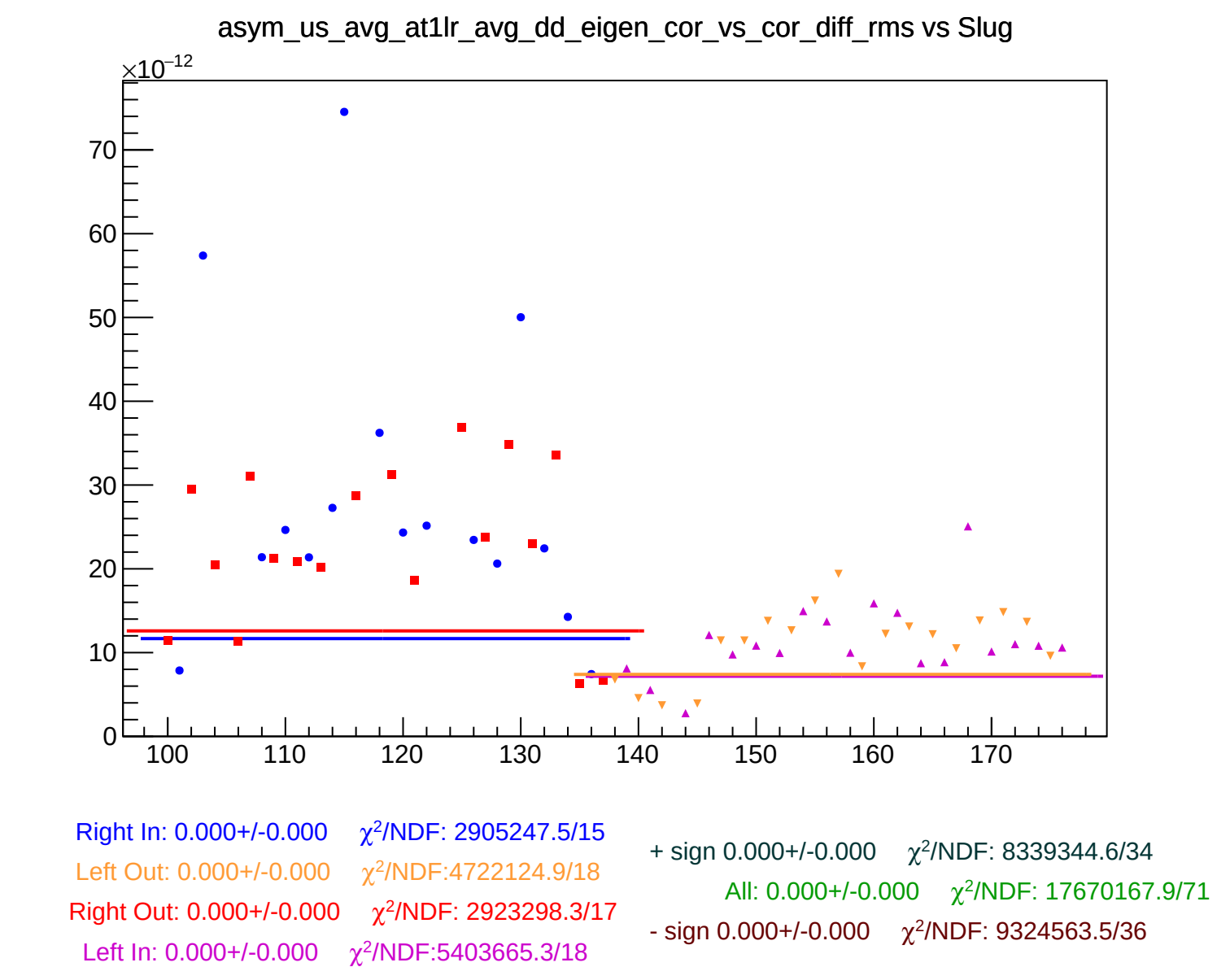
+ sign 0.005+/-0.011 χ^2/NDF: 50.8/34

All: 0.000+/-0.007 χ^2/NDF: 75.5/71

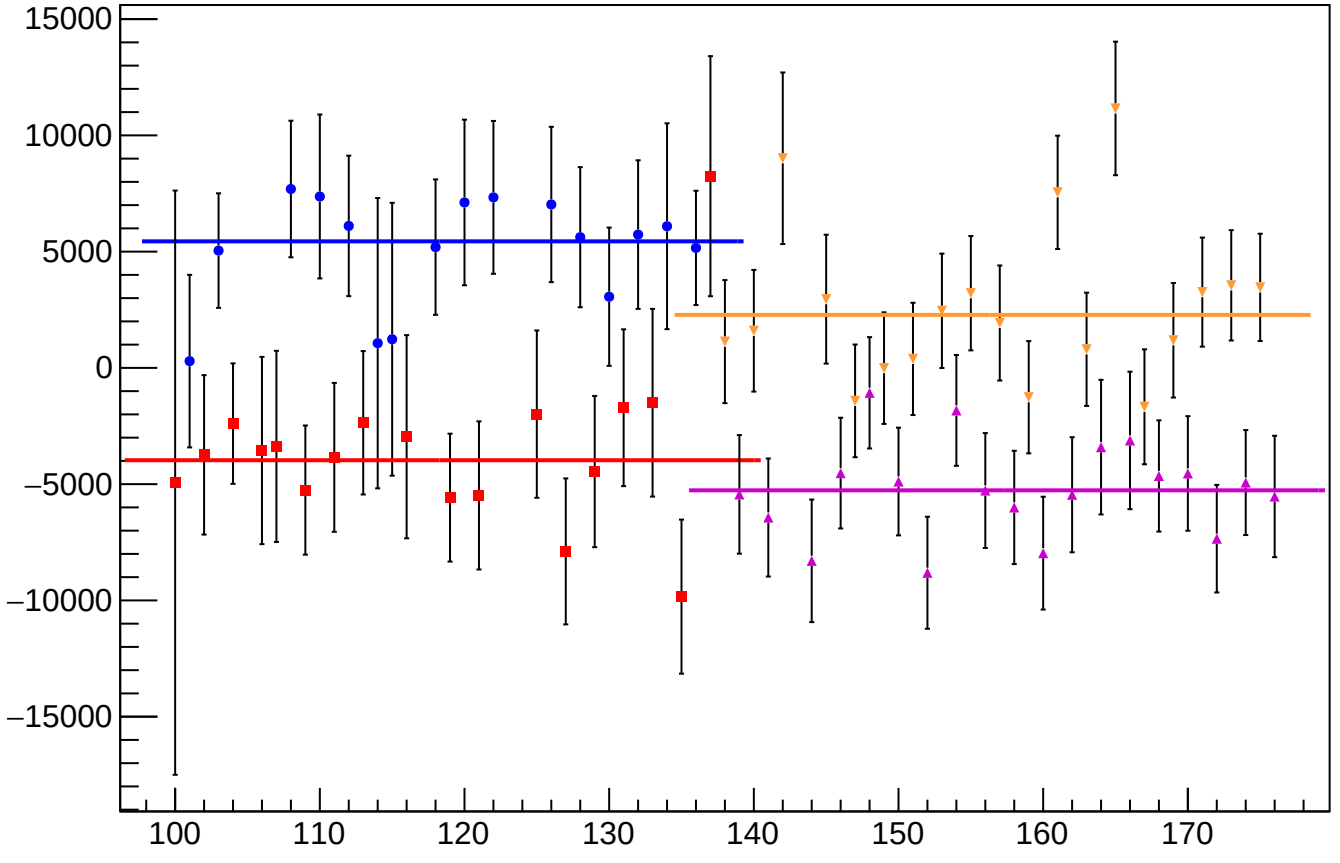
- sign -0.004+/-0.011 χ^2/NDF: 24.4/36


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
160
170
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 43.152+/-0.009 χ²/NDF:527851.1/18
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 45.153+/-0.009 χ²/NDF:433161.0/18
+ sign 44.706+/-0.007 χ²/NDF: 2435024.4/34
All: 45.223+/-0.005 χ²/NDF: 5315783.2/71
- sign 45.758+/-0.008 χ²/NDF: 2870909.8/36


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:10.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 16.2/17
Left In: 0.000+/-0.000 χ²/NDF:14.3/18
+ sign 0.000+/-0.000 χ²/NDF: 16.2/34
All: 0.000+/-0.000 χ²/NDF: 47.4/71
- sign 0.000+/-0.000 χ²/NDF: 31.2/36


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
0
10
20
30
40
50
60
70
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4722124.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:5403665.3/18
+ sign 0.000+/-0.000 χ²/NDF: 8339344.6/34
All: 0.000+/-0.000 χ²/NDF: 17670167.9/71
- sign 0.000+/-0.000 χ²/NDF: 9324563.5/36

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2279.698+/-576.629 χ^2/NDF:27.9/18

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

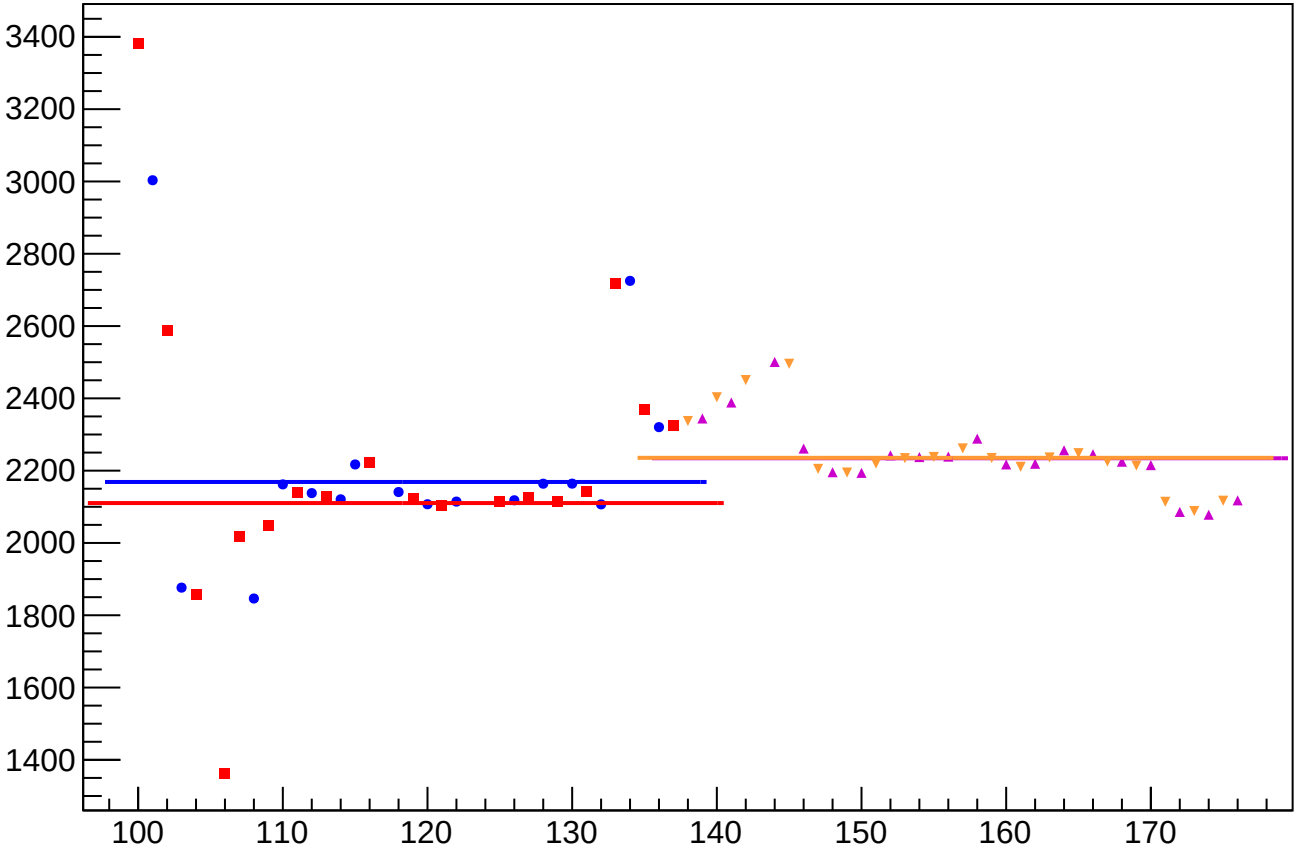
Left In: -5265.569+/-567.301 χ^2/NDF:12.2/18

+ sign 3338.998+/-470.247 χ^2/NDF: 43.4/34

All: -800.448+/-330.459 χ^2/NDF: 223.4/71

- sign -4839.085+/-464.486 χ^2/NDF: 26.9/36

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2235.471+/-0.408 χ^2/NDF:55609.2/18

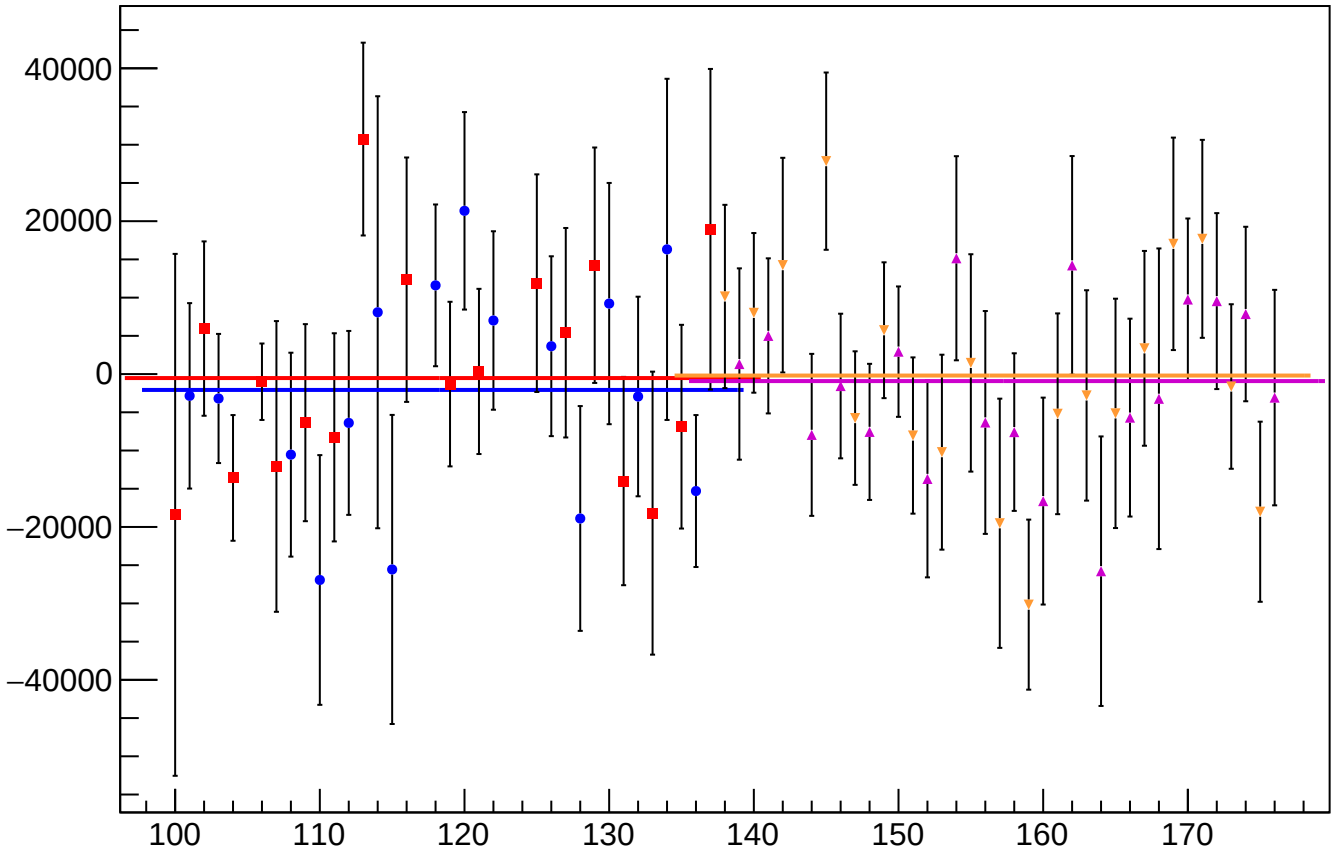
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2234.259+/-0.401 χ^2/NDF:56216.1/18

+ sign 2213.112+/-0.333 χ^2/NDF: 260246.6/34

All: 2202.643+/-0.233 χ^2/NDF: 617945.6/71

- sign 2192.539+/-0.327 χ^2/NDF: 355751.1/36



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -192.570+/-2715.657 χ^2/NDF:25.1/18

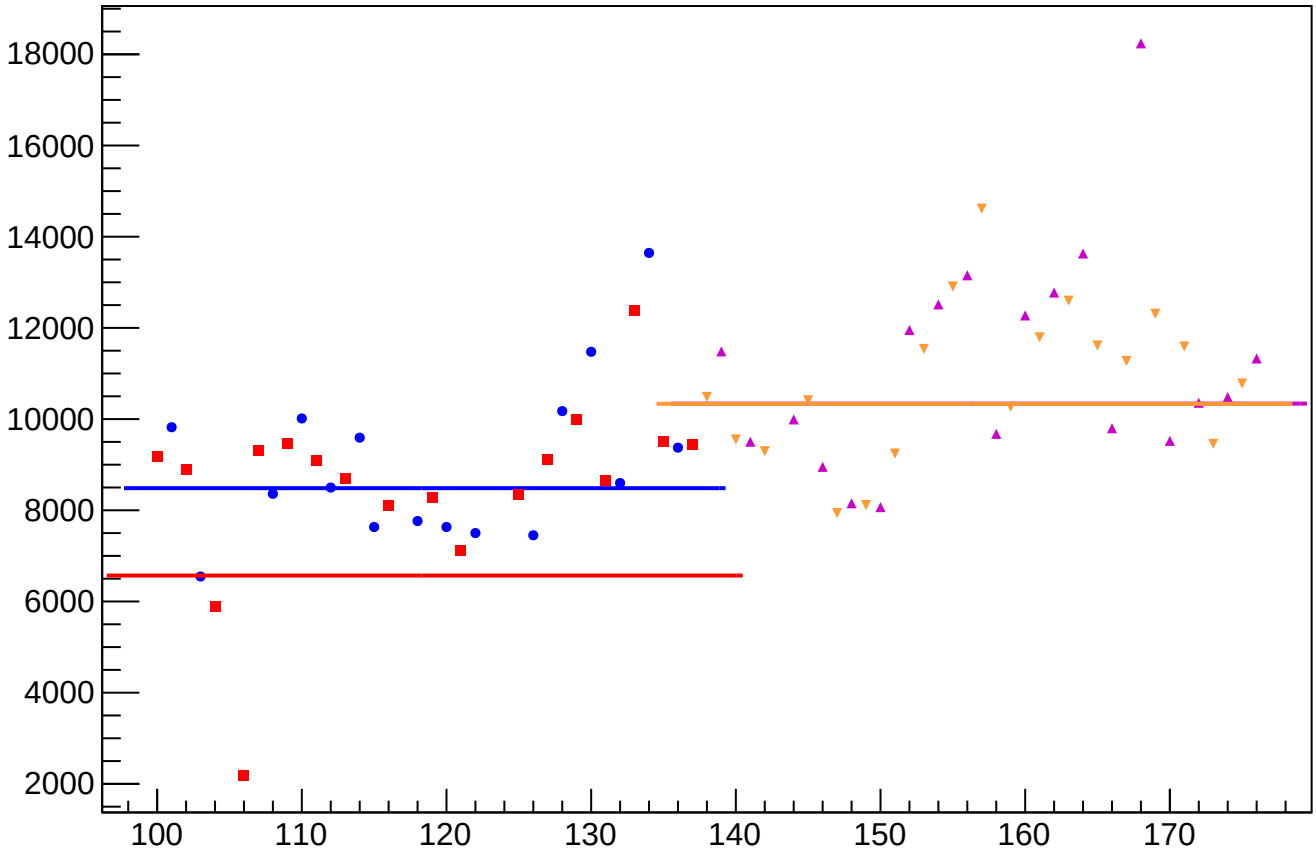
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -917.294+/-2676.457 χ^2/NDF:11.6/18

+ sign -977.168+/-2073.817 χ^2/NDF: 39.7/34

All: -838.992+/-1403.419 χ^2/NDF: 67.1/71

- sign -722.246+/-1906.225 χ^2/NDF: 27.3/36



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10335.982+/-1.920 χ^2/NDF:721899.6/18

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

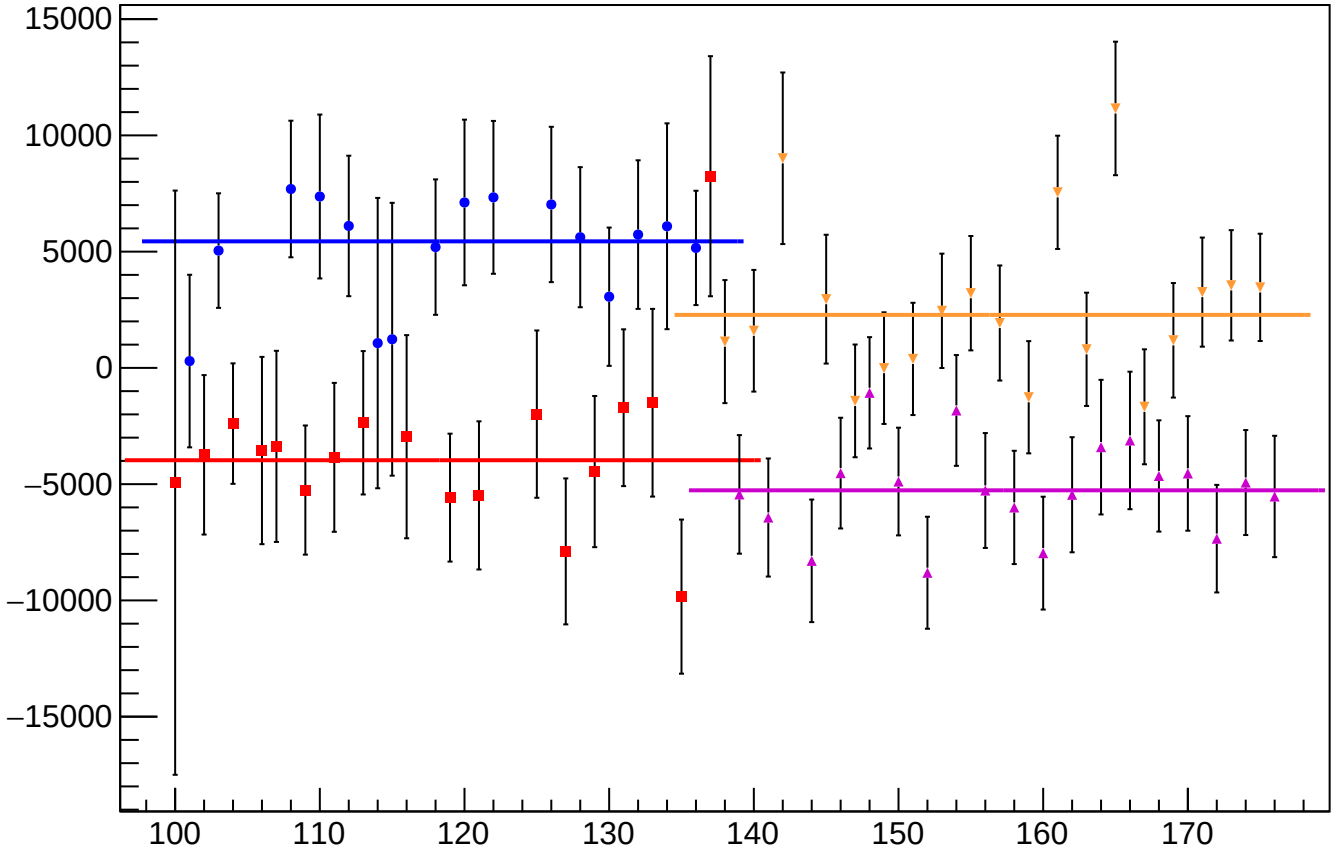
Left In: 10339.756+/-1.893 χ^2/NDF:1022183.0/18

+ sign 9564.427+/-1.466 χ^2/NDF: 1531907.6/34

All: 8977.497+/-0.992 χ^2/NDF: 7374912.8/71

- sign 8481.598+/-1.348 χ^2/NDF: 5547452.5/36

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2279.624+/-576.629 χ^2/NDF:27.9/18

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

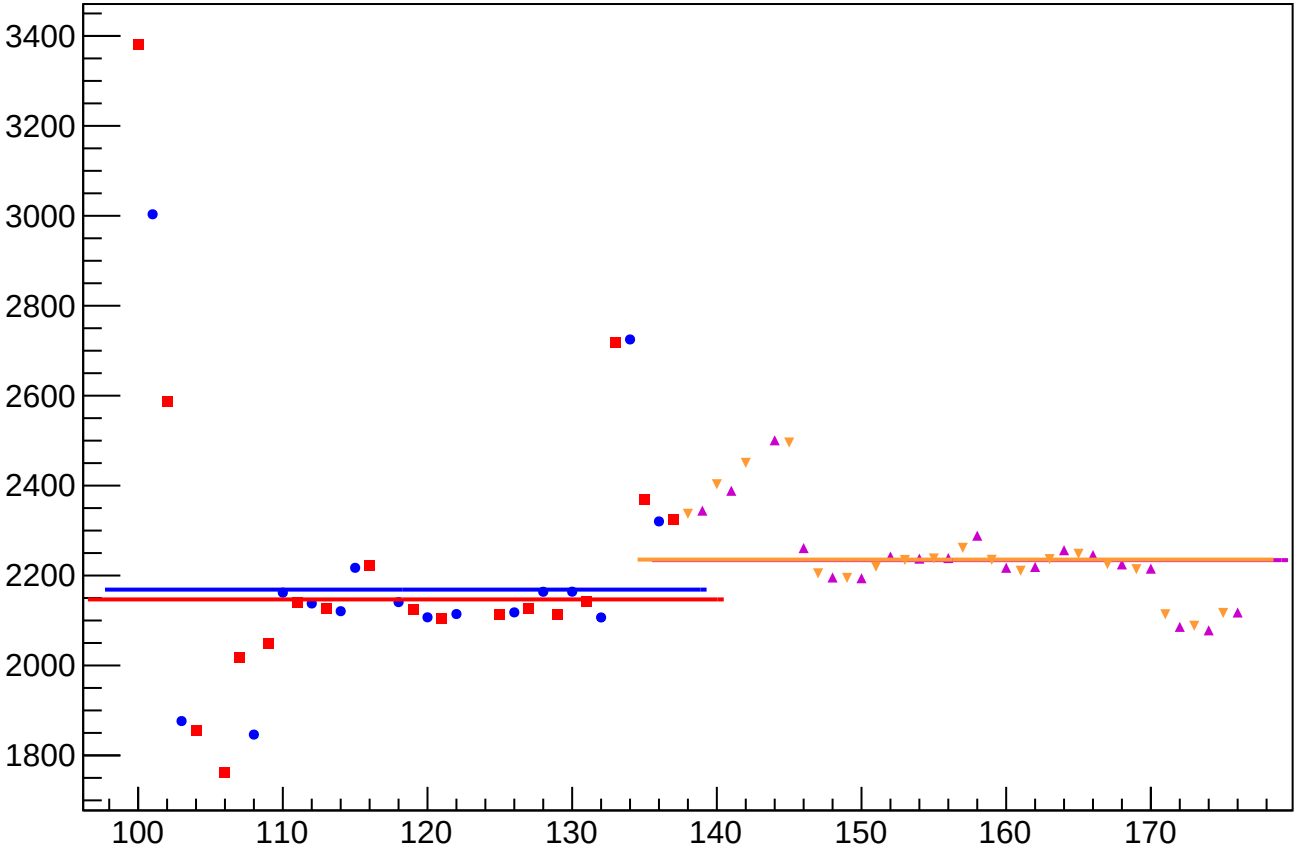
Left In: -5265.554+/-567.301 χ^2/NDF:12.2/18

+ sign 3338.996+/-470.247 χ^2/NDF: 43.4/34

All: -800.401+/-330.459 χ^2/NDF: 223.4/71

- sign -4838.989+/-464.486 χ^2/NDF: 26.9/36

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2235.471+/-0.408 χ^2/NDF:55609.2/18

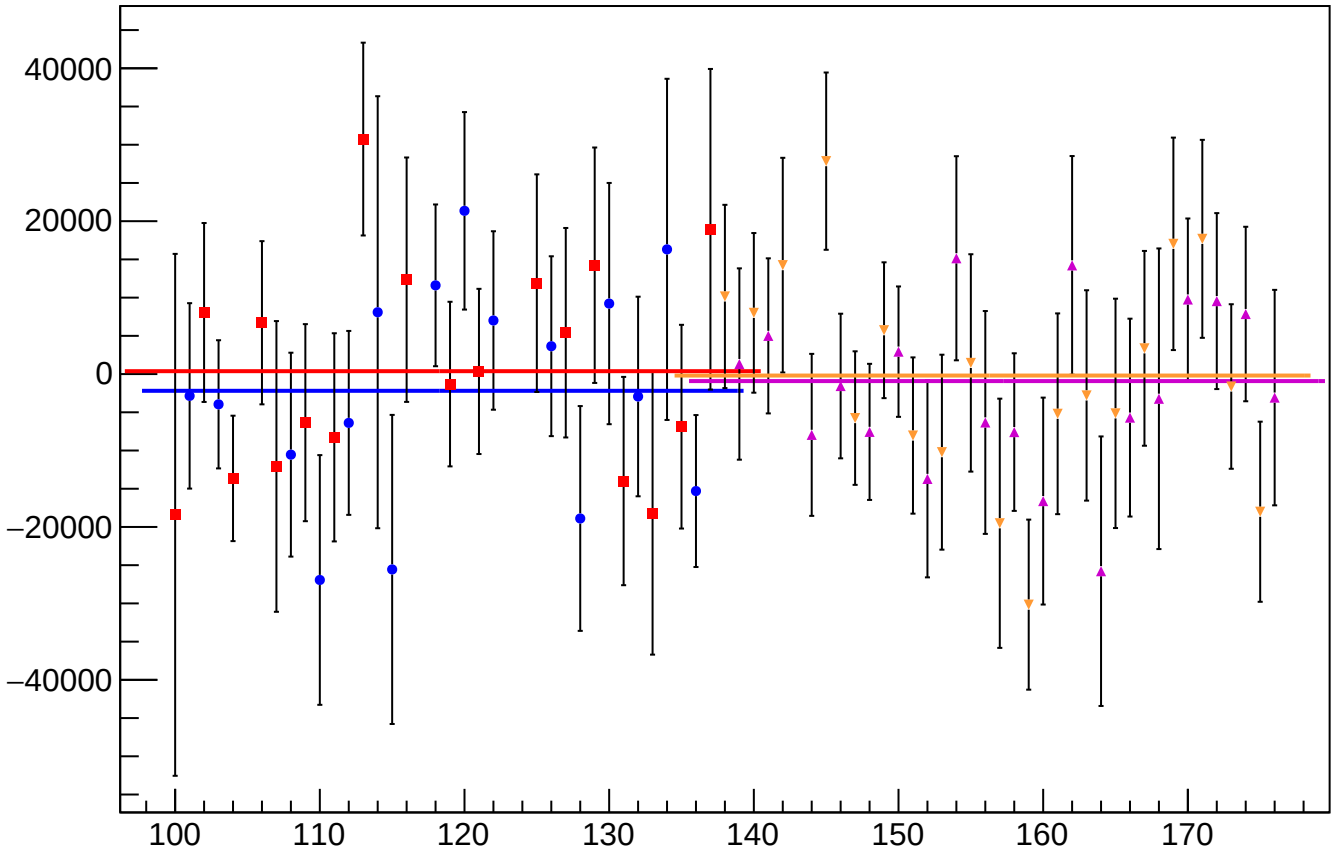
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2234.259+/-0.401 χ^2/NDF:56216.1/18

+ sign 2213.112+/-0.333 χ^2/NDF: 260247.1/34

All: 2209.134+/-0.233 χ^2/NDF: 490237.8/71

- sign 2205.267+/-0.328 χ^2/NDF: 229708.5/36



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -192.579+/-2715.656 χ^2/NDF:25.1/18

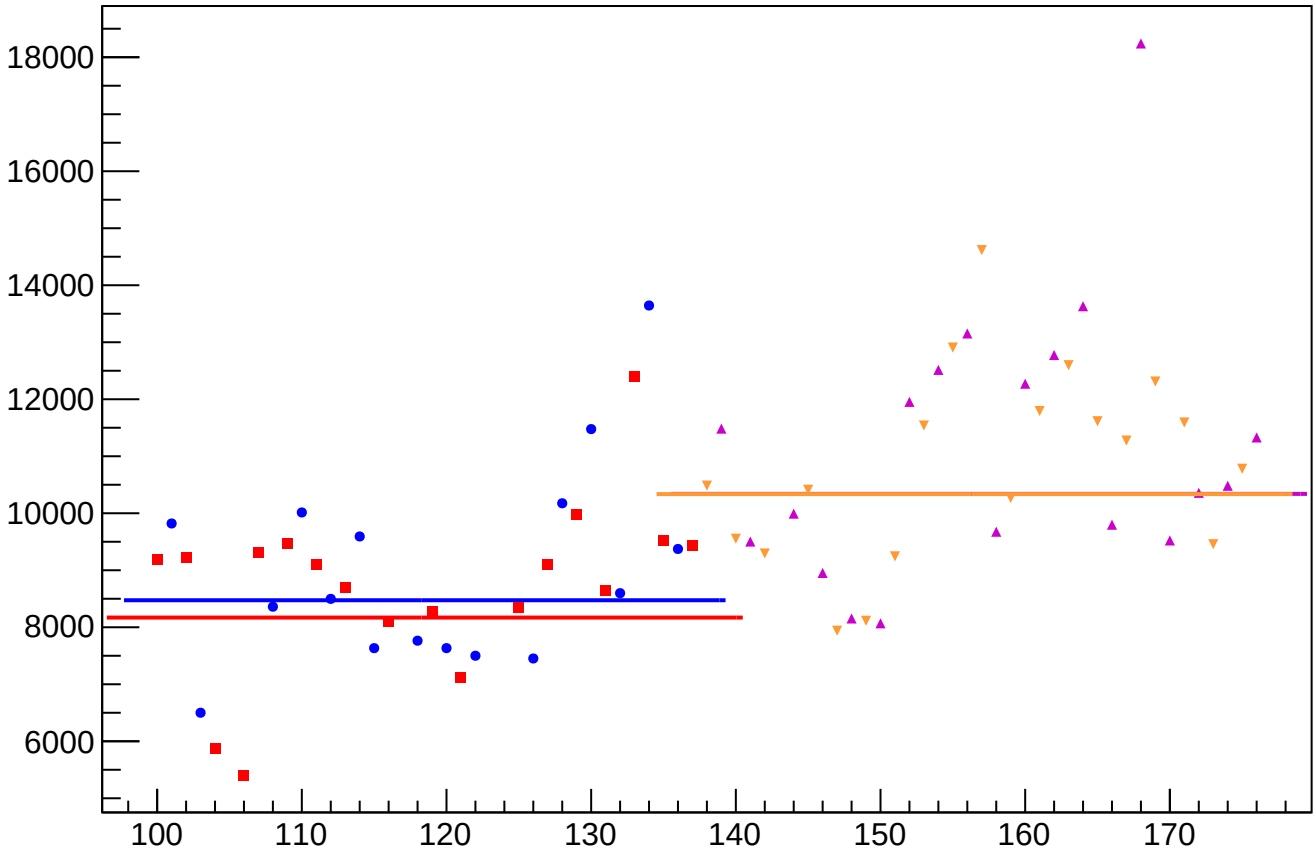
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -917.433+/-2676.456 χ^2/NDF:11.6/18

+ sign -1025.944+/-2072.855 χ^2/NDF: 39.8/34

All: -687.206+/-1448.827 χ^2/NDF: 67.9/71

- sign -363.655+/-2025.854 χ^2/NDF: 28.0/36



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10335.976+/-1.920 χ^2/NDF:721900.6/18

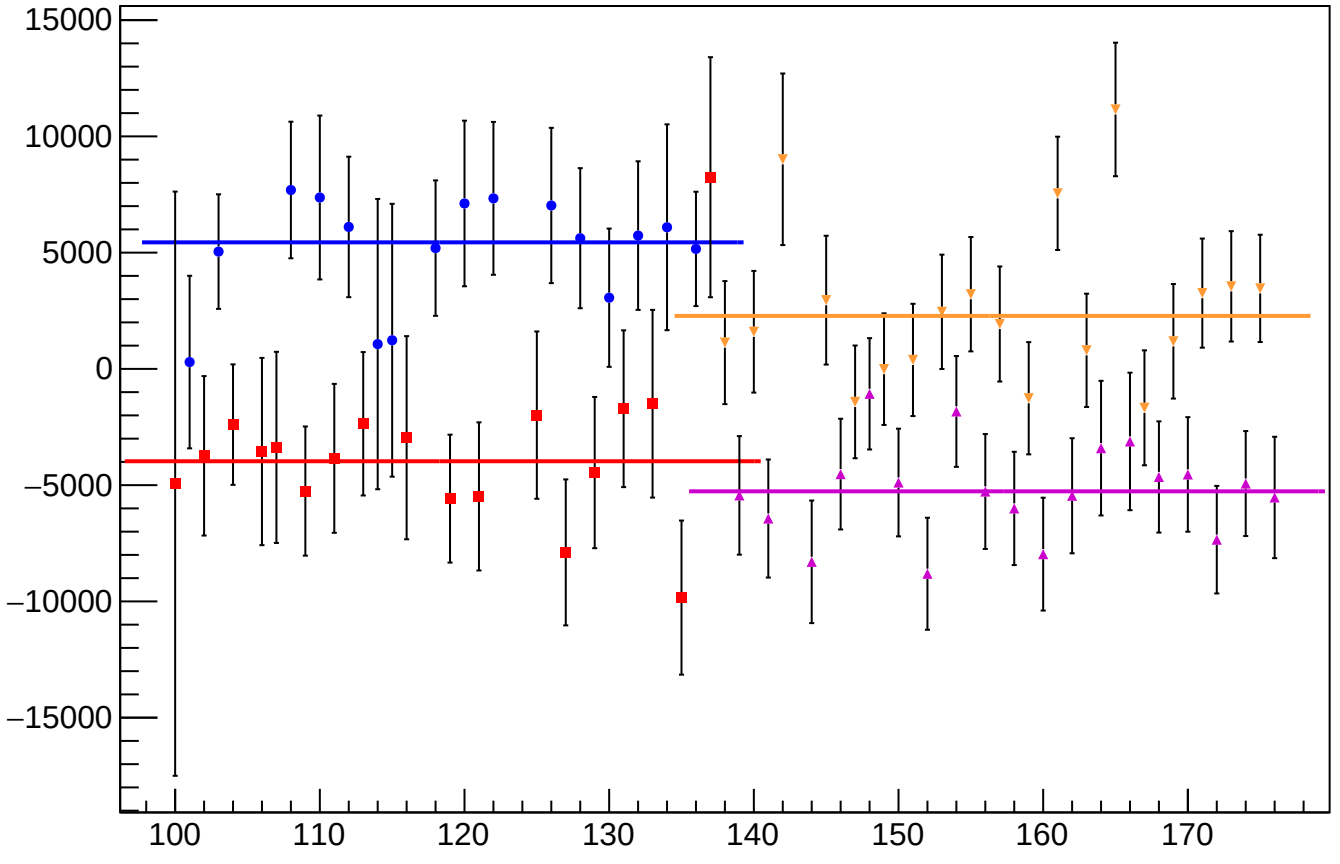
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10339.751+/-1.893 χ^2/NDF:1022188.2/18

+ sign 9558.725+/-1.466 χ^2/NDF: 1543980.7/34

All: 9484.249+/-1.024 χ^2/NDF: 3672480.8/71

- sign 9413.112+/-1.432 χ^2/NDF: 2123452.2/36



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2279.624+/-576.629 χ^2/NDF:27.9/18

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

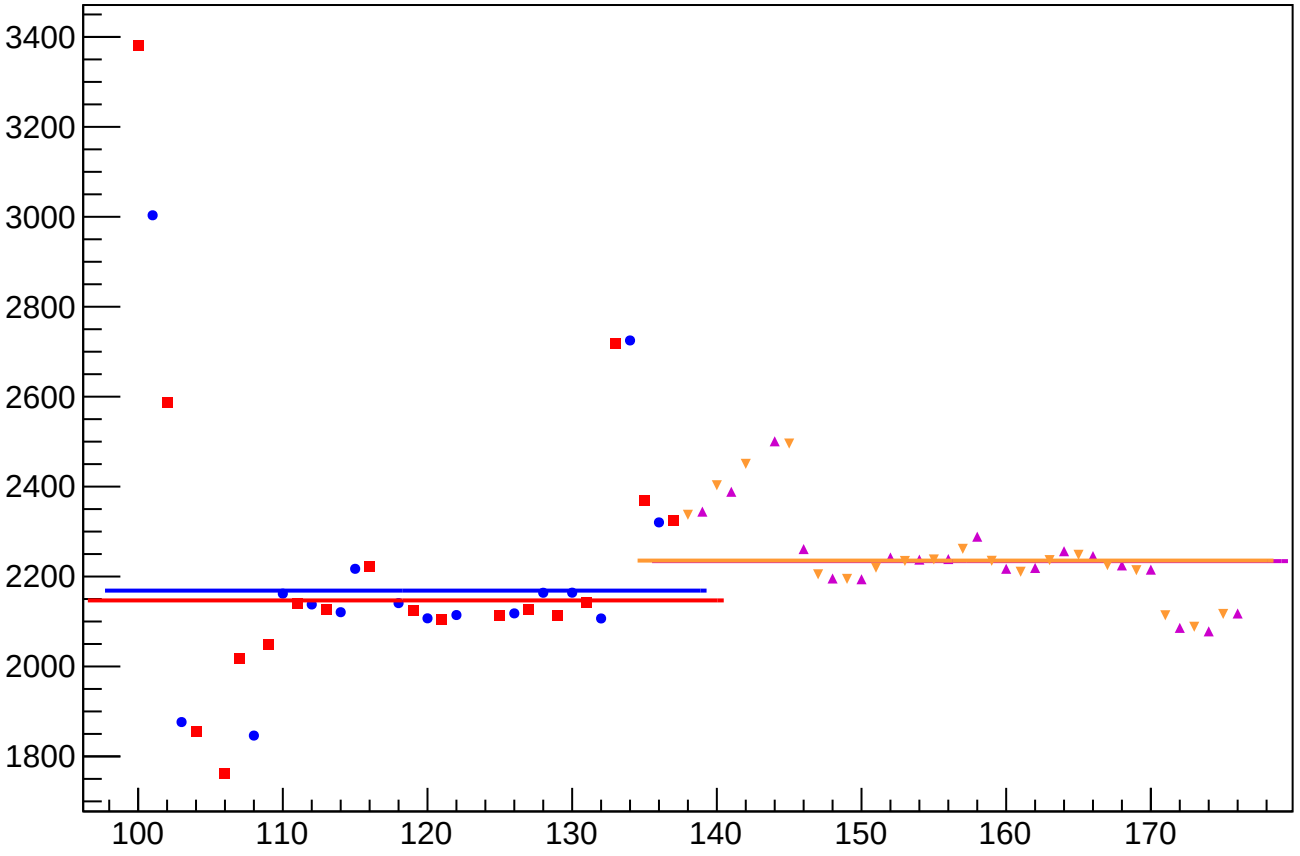
Left In: -5265.554+/-567.301 χ^2/NDF:12.2/18

+ sign 3338.996+/-470.247 χ^2/NDF: 43.4/34

All: -800.401+/-330.459 χ^2/NDF: 223.4/71

- sign -4838.989+/-464.486 χ^2/NDF: 26.9/36

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: 2235.471+/-0.408 χ^2/NDF:55609.2/18

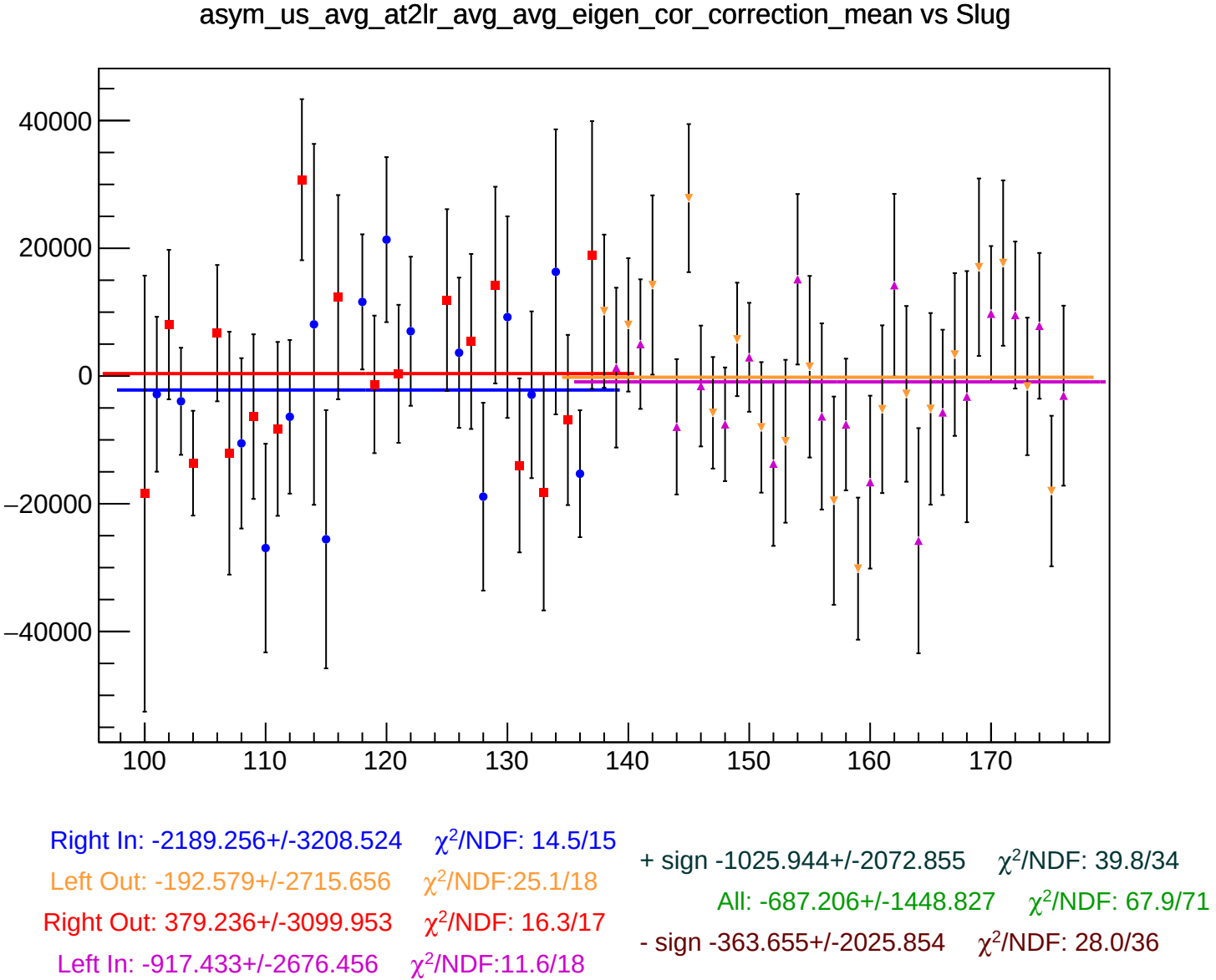
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

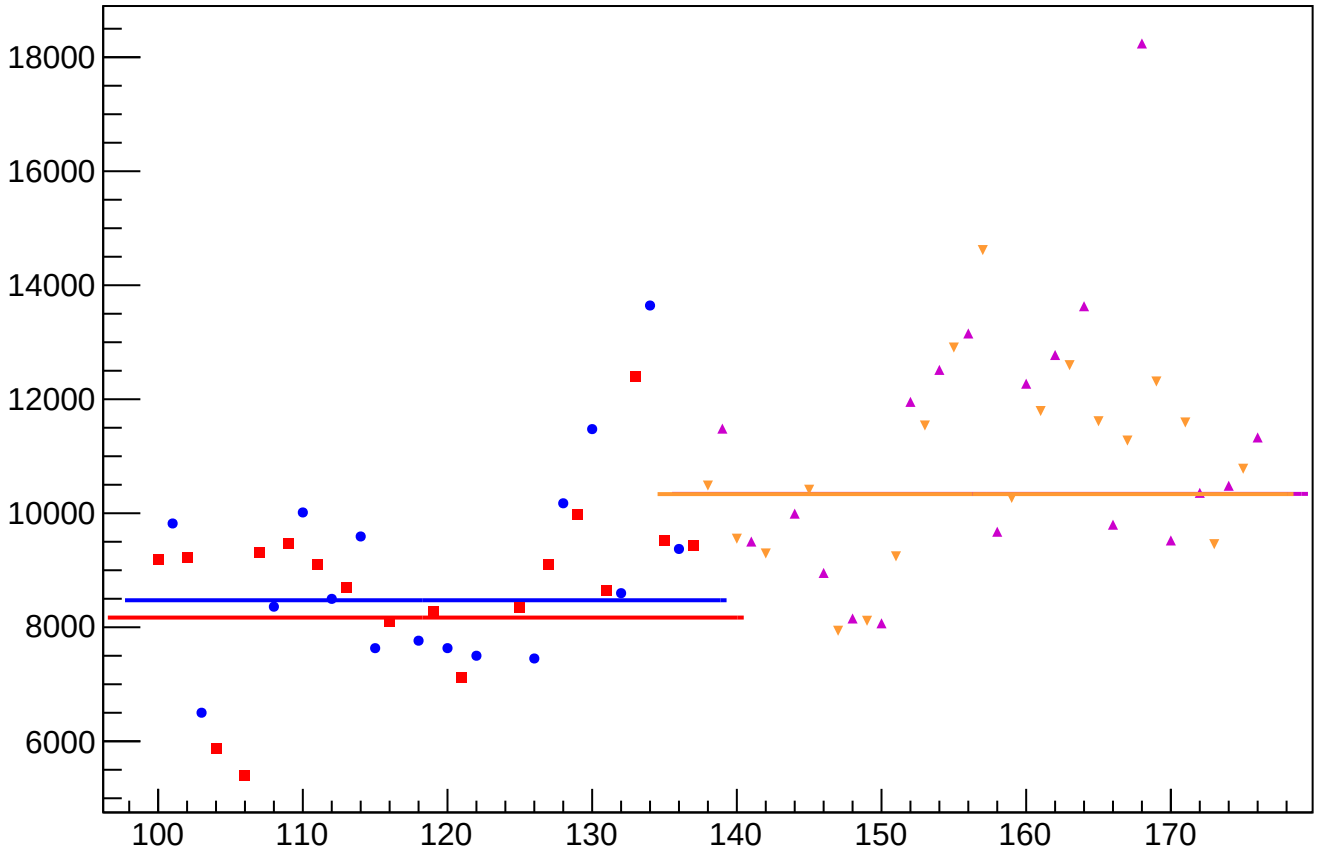
Left In: 2234.259+/-0.401 χ^2/NDF:56216.1/18

+ sign 2213.112+/-0.333 χ^2/NDF: 260247.1/34

All: 2209.134+/-0.233 χ^2/NDF: 490237.8/71

- sign 2205.267+/-0.328 χ^2/NDF: 229708.5/36


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -192.579+/-2715.656 χ²/NDF:25.1/18
Right Out: 379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: -917.433+/-2676.456 χ²/NDF:11.6/18
+ sign -1025.944+/-2072.855 χ²/NDF: 39.8/34
All: -687.206+/-1448.827 χ²/NDF: 67.9/71
- sign -363.655+/-2025.854 χ²/NDF: 28.0/36



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10335.976+/-1.920 χ^2/NDF:721900.6/18

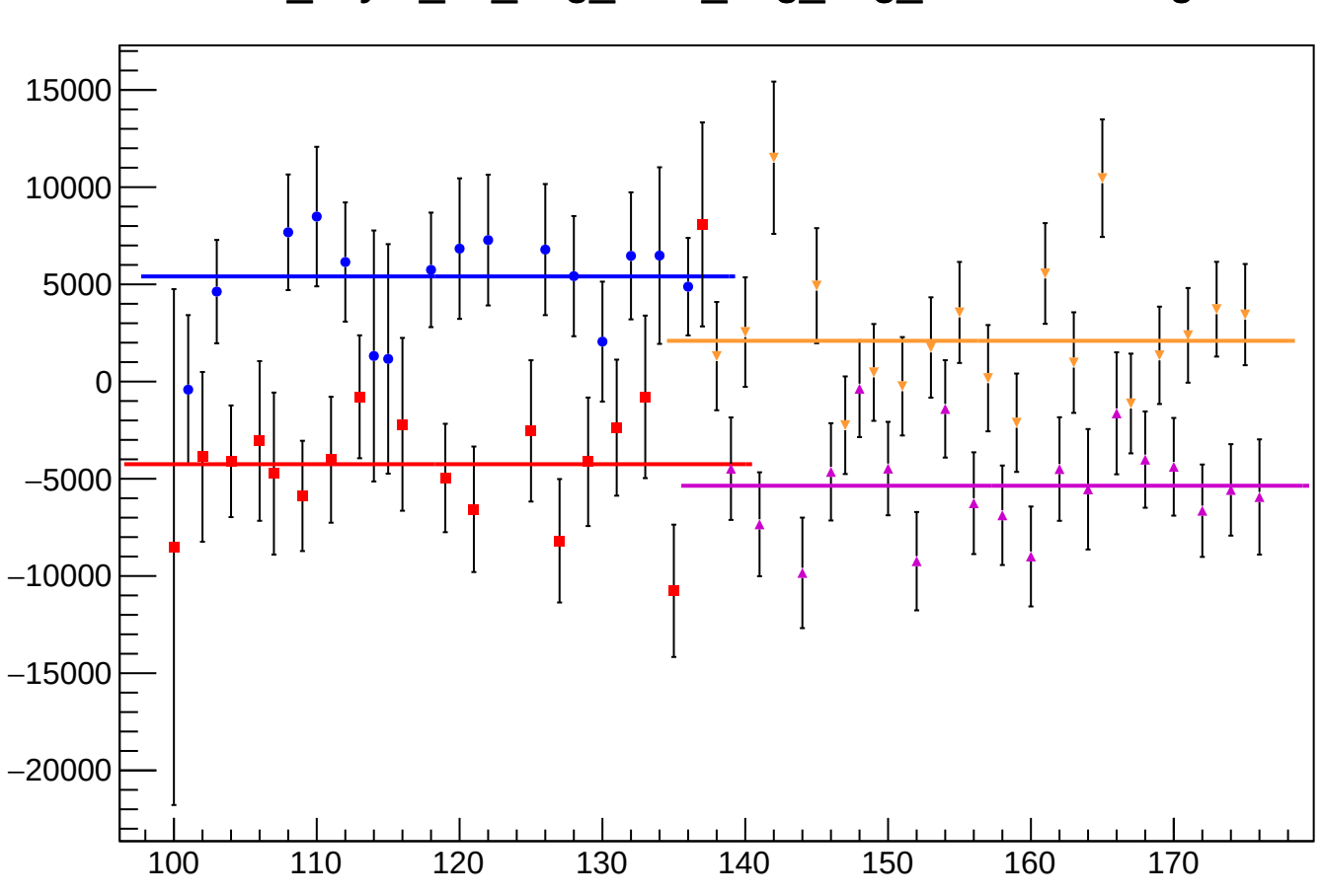
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10339.751+/-1.893 χ^2/NDF:1022188.2/18

+ sign 9558.725+/-1.466 χ^2/NDF: 1543980.7/34

All: 9484.249+/-1.024 χ^2/NDF: 3672480.8/71

- sign 9413.112+/-1.432 χ^2/NDF: 2123452.2/36



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2096.284+/-608.247 χ^2/NDF:26.7/18

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

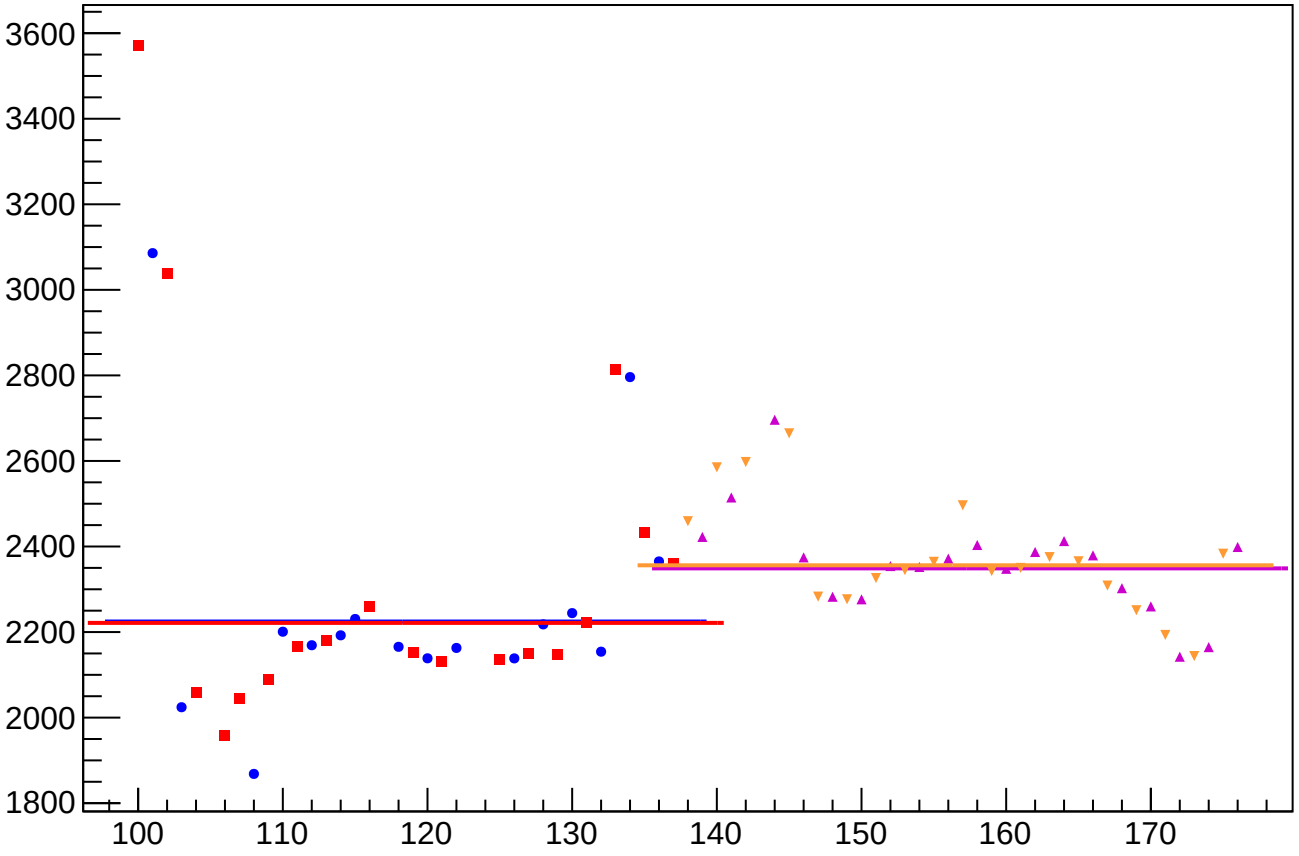
Left In: -5358.559+/-596.768 χ^2/NDF:17.0/18

+ sign 3246.675+/-491.370 χ^2/NDF: 43.7/34

All: -911.959+/-345.668 χ^2/NDF: 218.2/71

- sign -4986.295+/-486.365 χ^2/NDF: 32.6/36

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2356.055+/-0.430 χ^2/NDF:83363.8/18

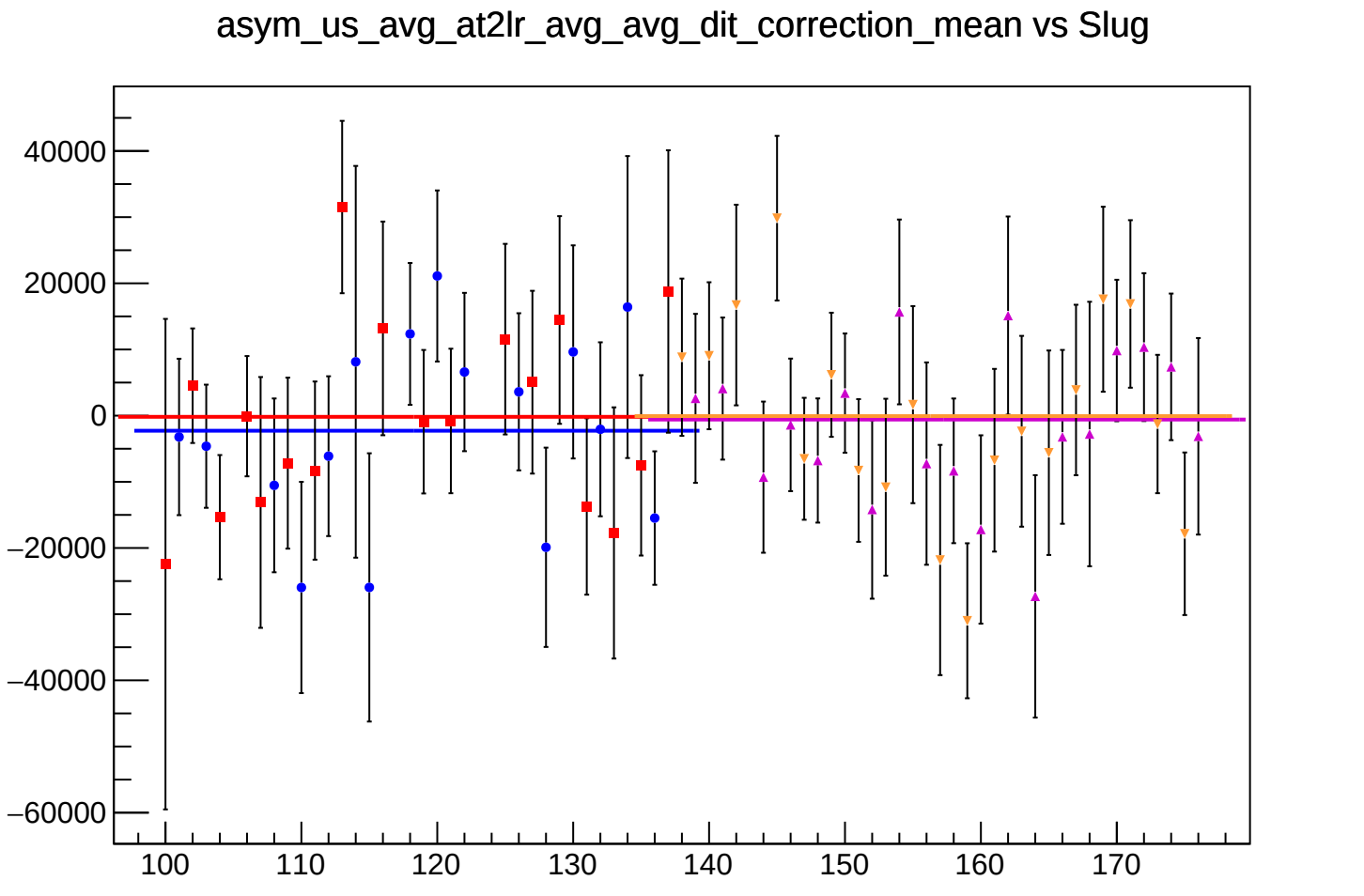
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2348.862+/-0.422 χ^2/NDF:76256.1/18

\+ sign 2310.394+/-0.347 χ^2/NDF: 300488.2/34

All: 2308.193+/-0.244 χ^2/NDF: 577417.2/71

\- sign 2306.037+/-0.344 χ^2/NDF: 276849.5/36



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -70.517+/-2818.757 χ^2/NDF:24.9/18

Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

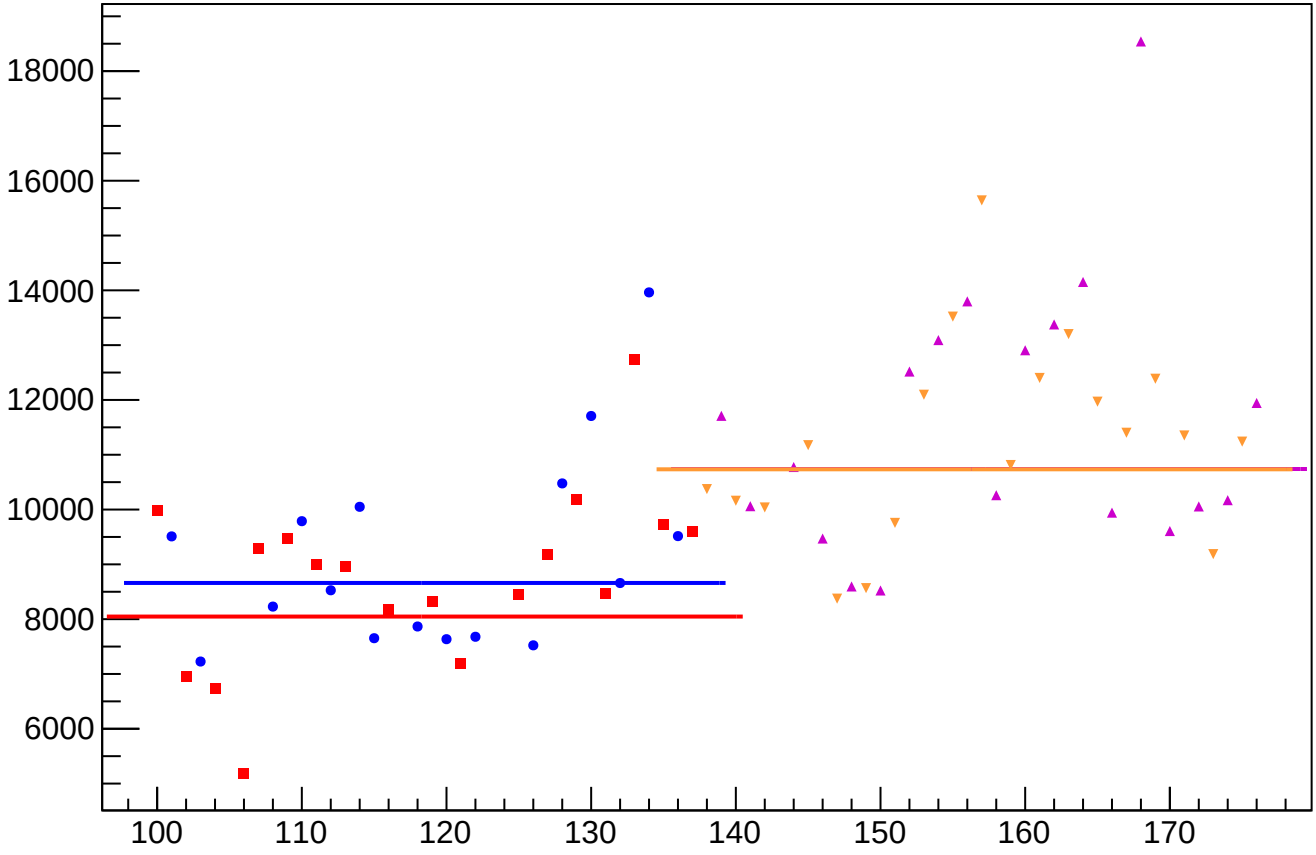
Left In: -590.032+/-2778.720 χ^2/NDF:11.6/18

+ sign -1011.164+/-2135.509 χ^2/NDF: 39.7/34

All: -693.936+/-1478.719 χ^2/NDF: 67.0/71

- sign -401.723+/-2049.585 χ^2/NDF: 27.3/36

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: 10734.417+/-1.993 χ^2/NDF:704144.9/18

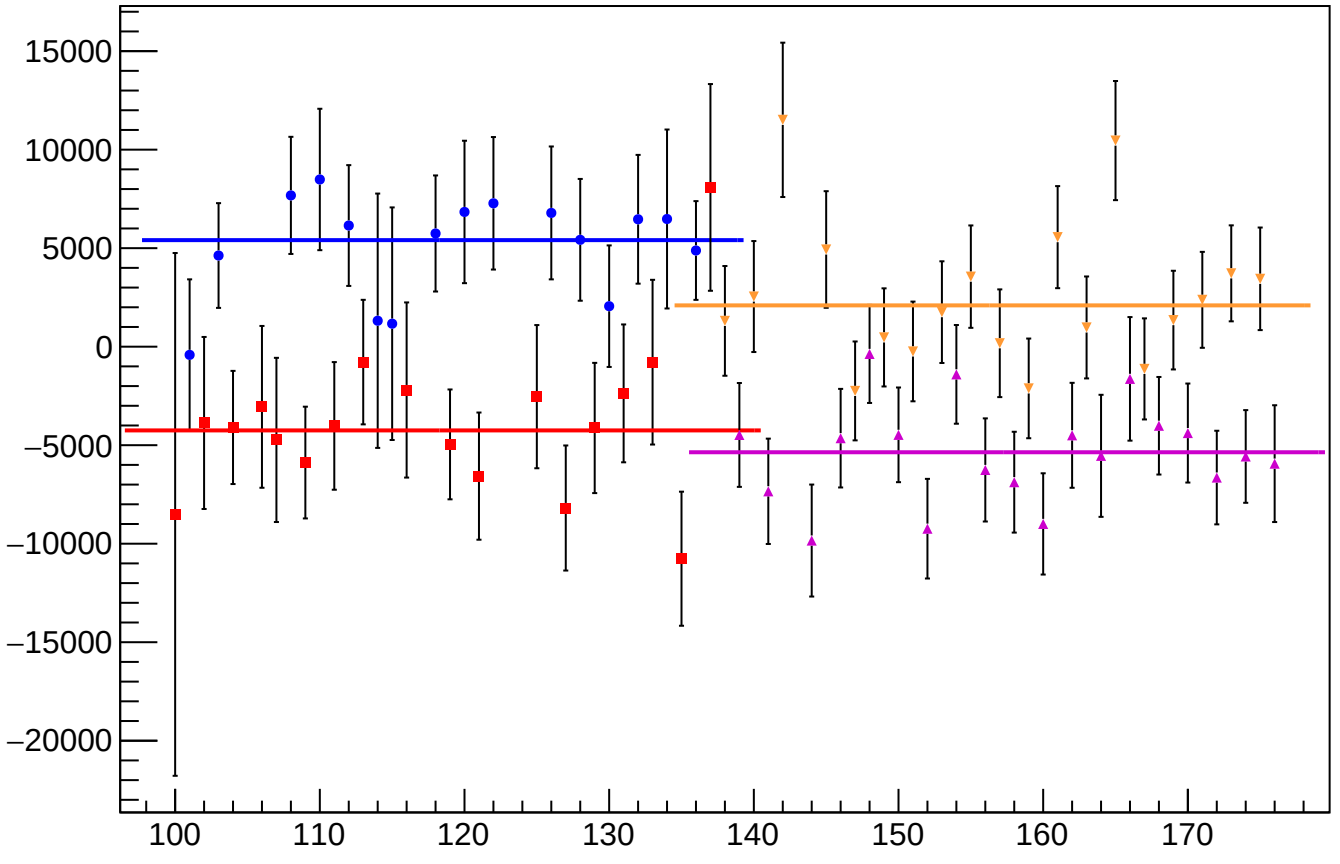
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10739.886+/-1.965 χ^2/NDF:990745.9/18

+ sign 9850.961+/-1.510 χ^2/NDF: 1523257.4/34

All: 9674.673+/-1.046 χ^2/NDF: 3954879.0/71

- sign 9512.287+/-1.449 χ^2/NDF: 2405437.9/36



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2096.273+/-608.248 χ^2/NDF:26.7/18

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

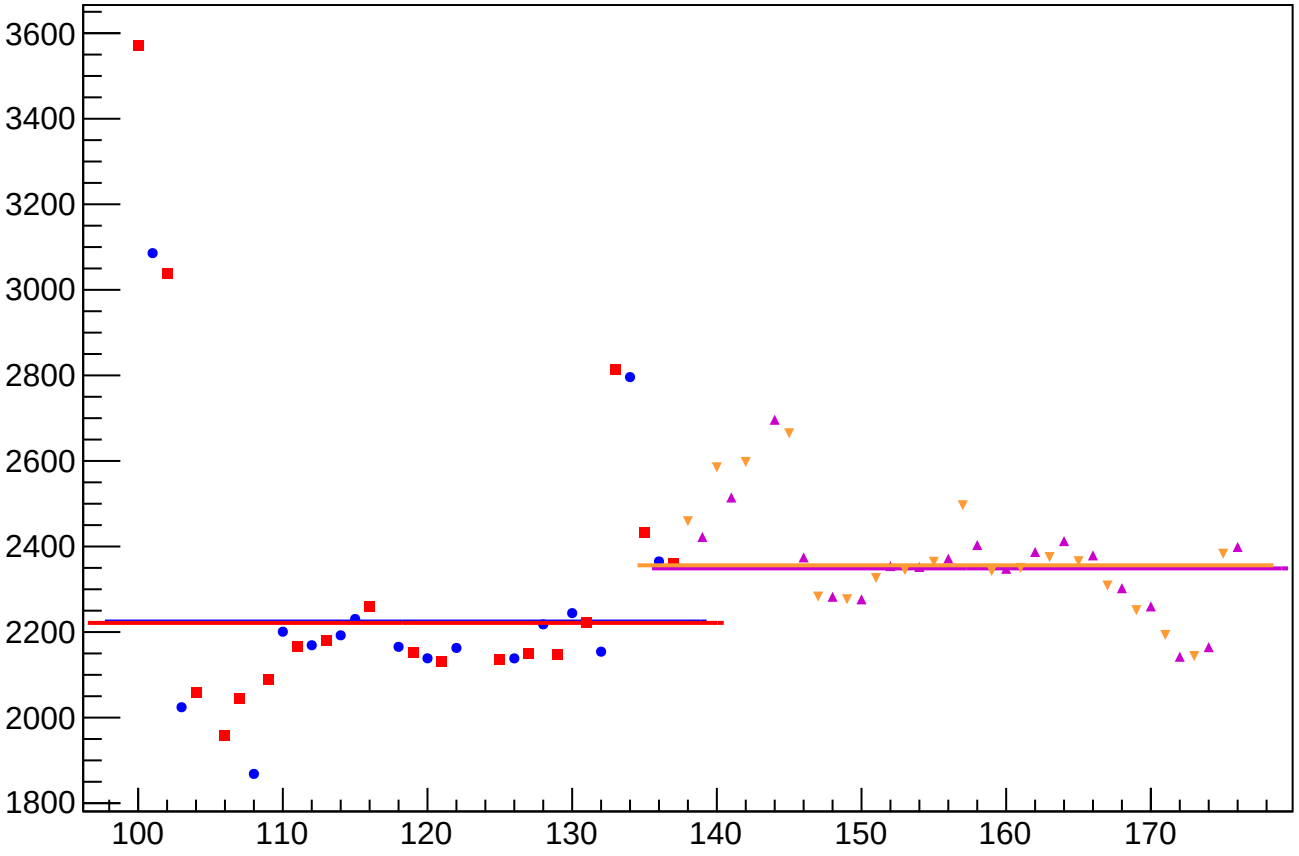
Left In: -5358.564+/-596.769 χ^2/NDF:17.0/18

+ sign 3246.670+/-491.370 χ^2/NDF: 43.7/34

All: -911.962+/-345.668 χ^2/NDF: 218.2/71

- sign -4986.299+/-486.365 χ^2/NDF: 32.6/36

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: 2356.057+/-0.430 χ^2/NDF:83366.9/18

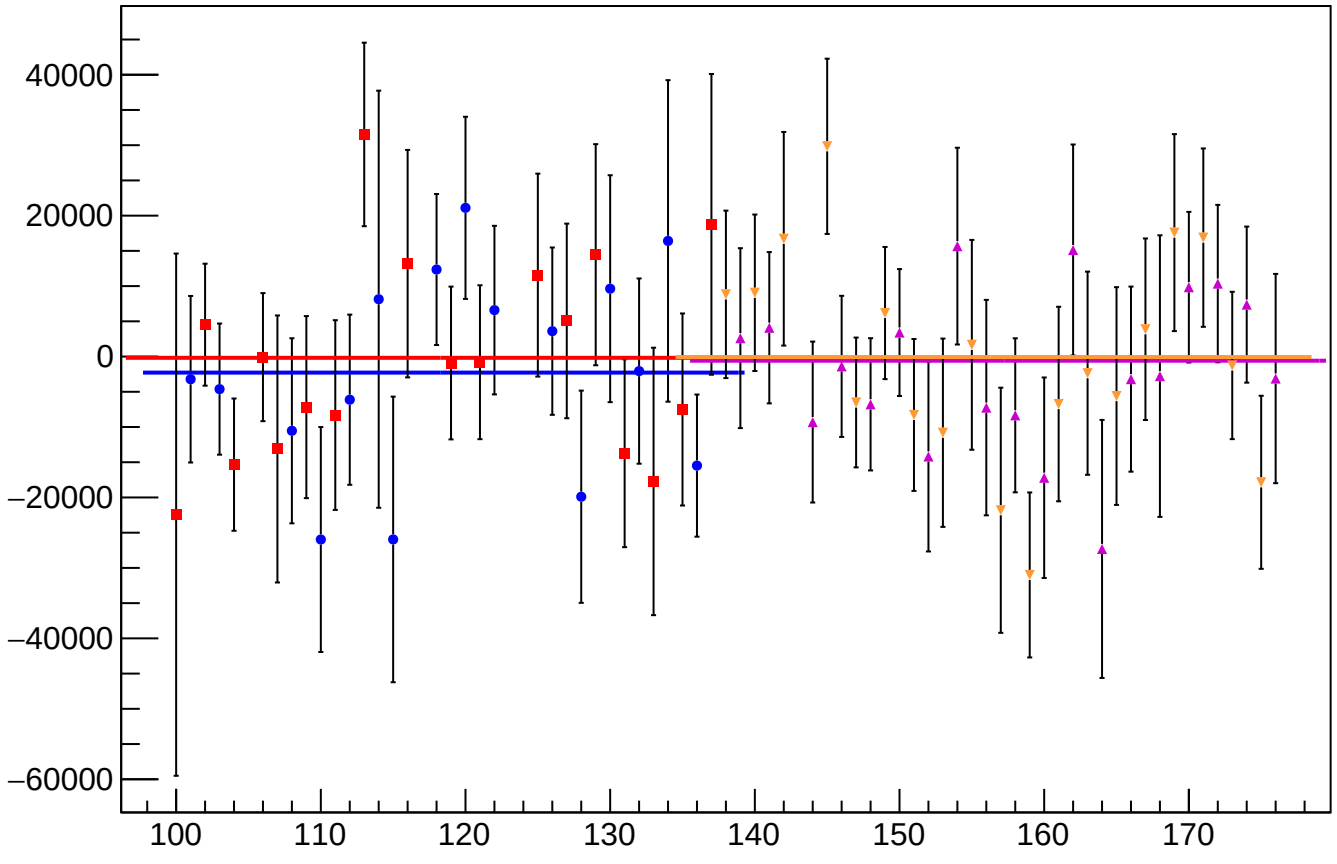
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2348.865+/-0.422 χ^2/NDF:76258.8/18

+ sign 2310.395+/-0.347 χ^2/NDF: 300492.9/34

All: 2308.194+/-0.244 χ^2/NDF: 577426.1/71

- sign 2306.038+/-0.344 χ^2/NDF: 276853.8/36



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: -70.525+/-2818.761 χ^2/NDF:24.9/18

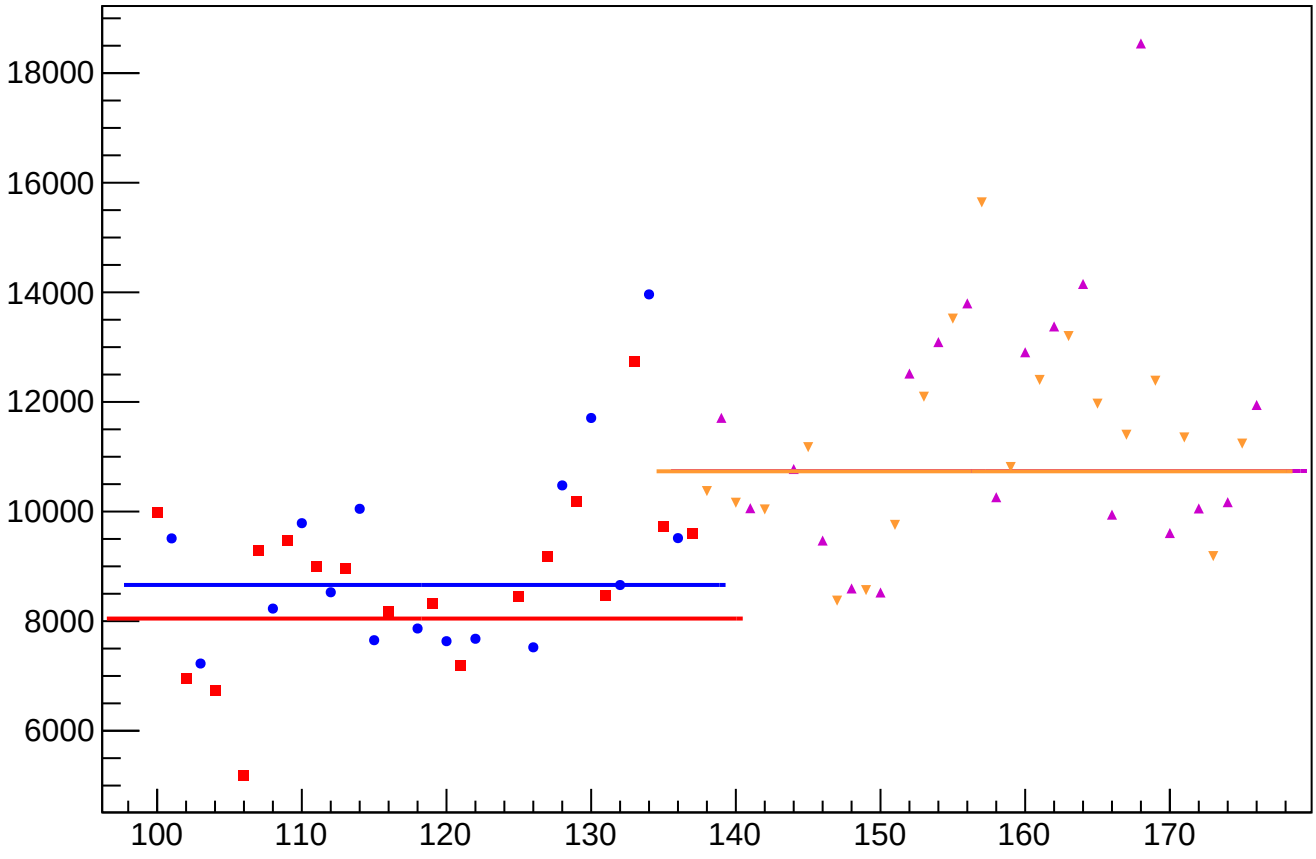
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -590.032+/-2778.724 χ^2/NDF:11.6/18

+ sign -1011.163+/-2135.508 χ^2/NDF: 39.7/34

All: -693.937+/-1478.719 χ^2/NDF: 67.0/71

- sign -401.724+/-2049.585 χ^2/NDF: 27.3/36



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10734.435+/-1.993 χ^2/NDF:704146.1/18

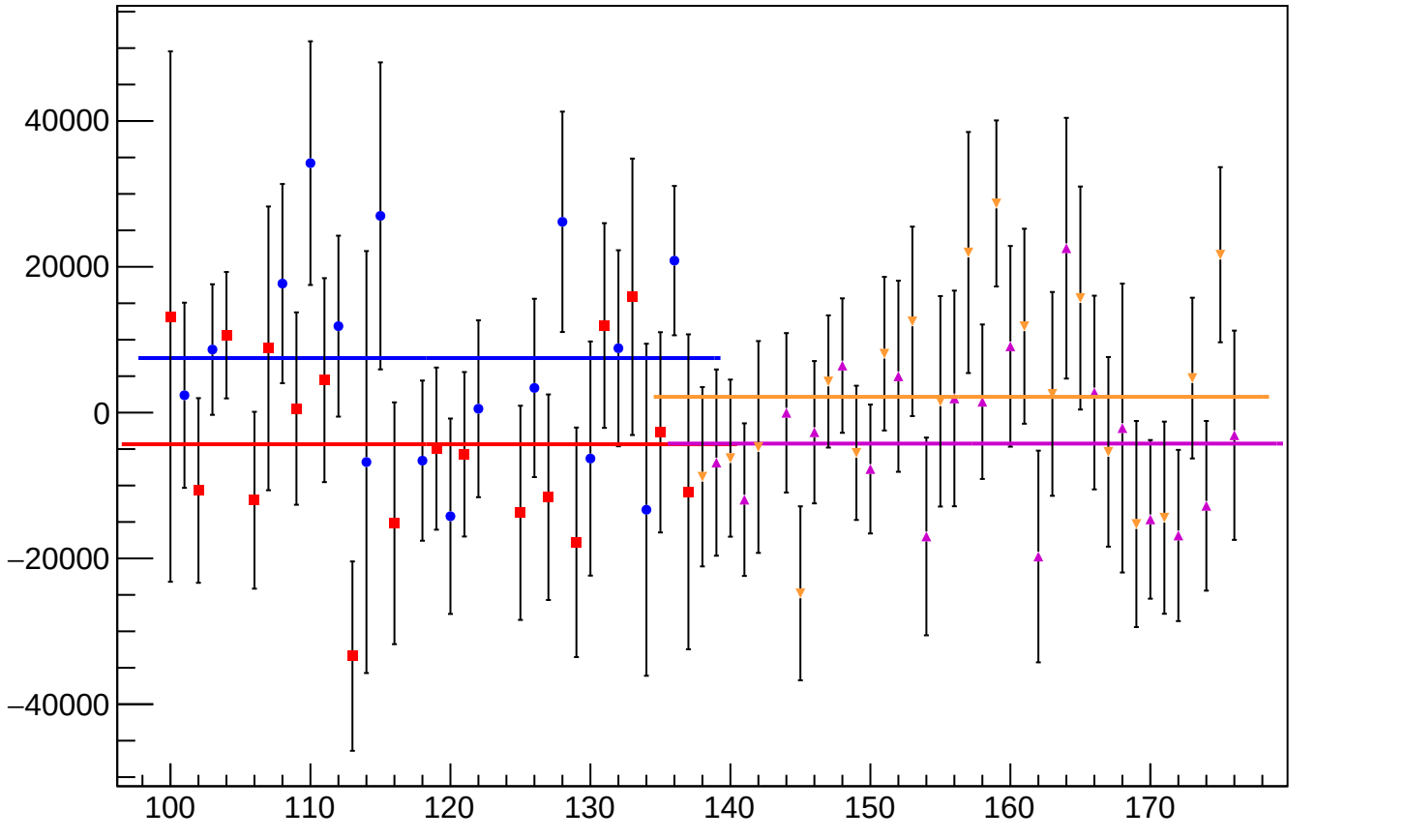
Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10739.902+/-1.965 χ^2/NDF:990747.7/18

+ sign 9850.957+/-1.510 χ^2/NDF: 1523278.6/34

All: 9674.669+/-1.046 χ^2/NDF: 3954923.2/71

- sign 9512.282+/-1.449 χ^2/NDF: 2405460.8/36



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2163.763+/-2785.582 χ^2/NDF:22.7/18

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

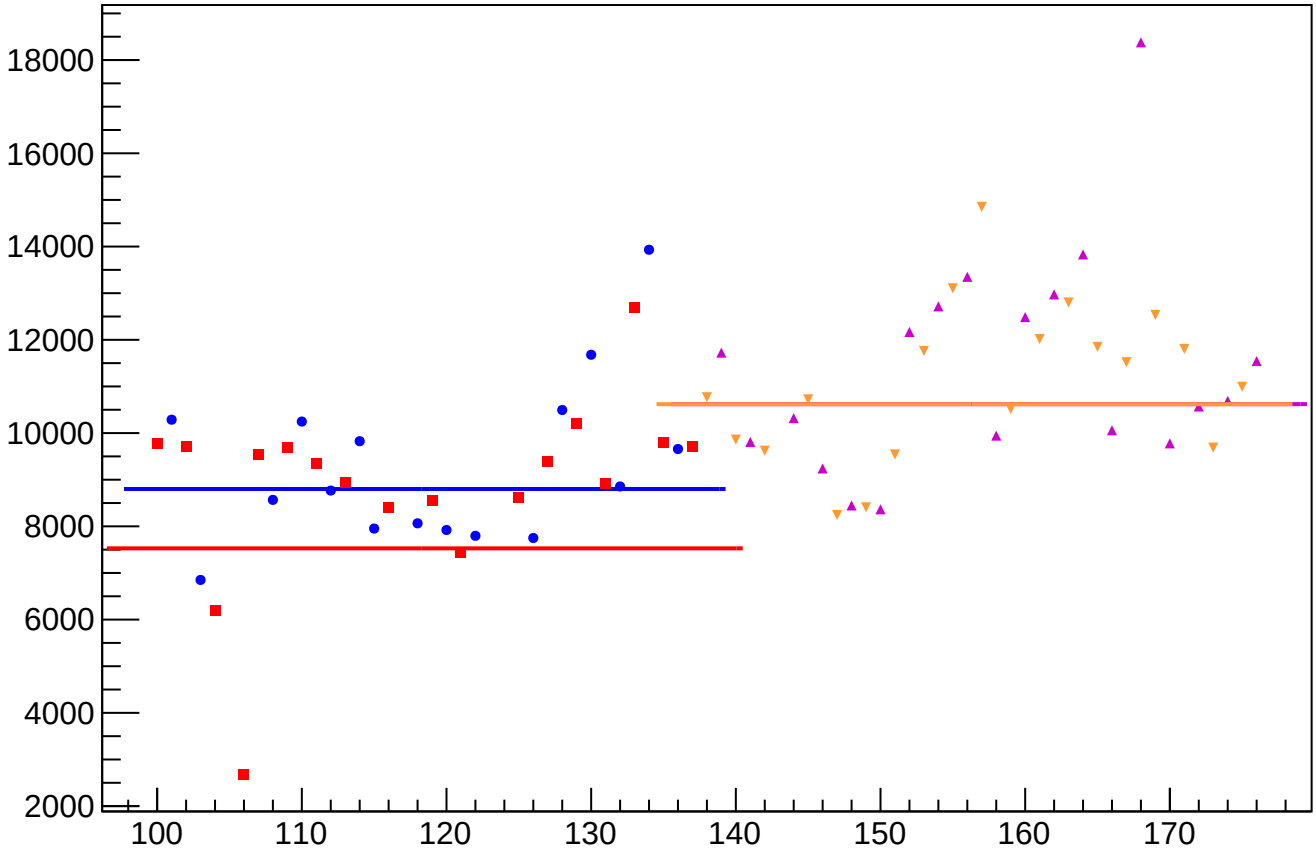
Left In: -4248.277+/-2745.026 χ^2/NDF:11.3/18

+ sign 4352.364+/-2136.842 χ^2/NDF: 38.3/34

All: -51.893+/-1496.003 χ^2/NDF: 72.2/71

- sign -4285.802+/-2095.110 χ^2/NDF: 25.6/36

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10619.120+/-1.970 χ^2/NDF:661694.4/18

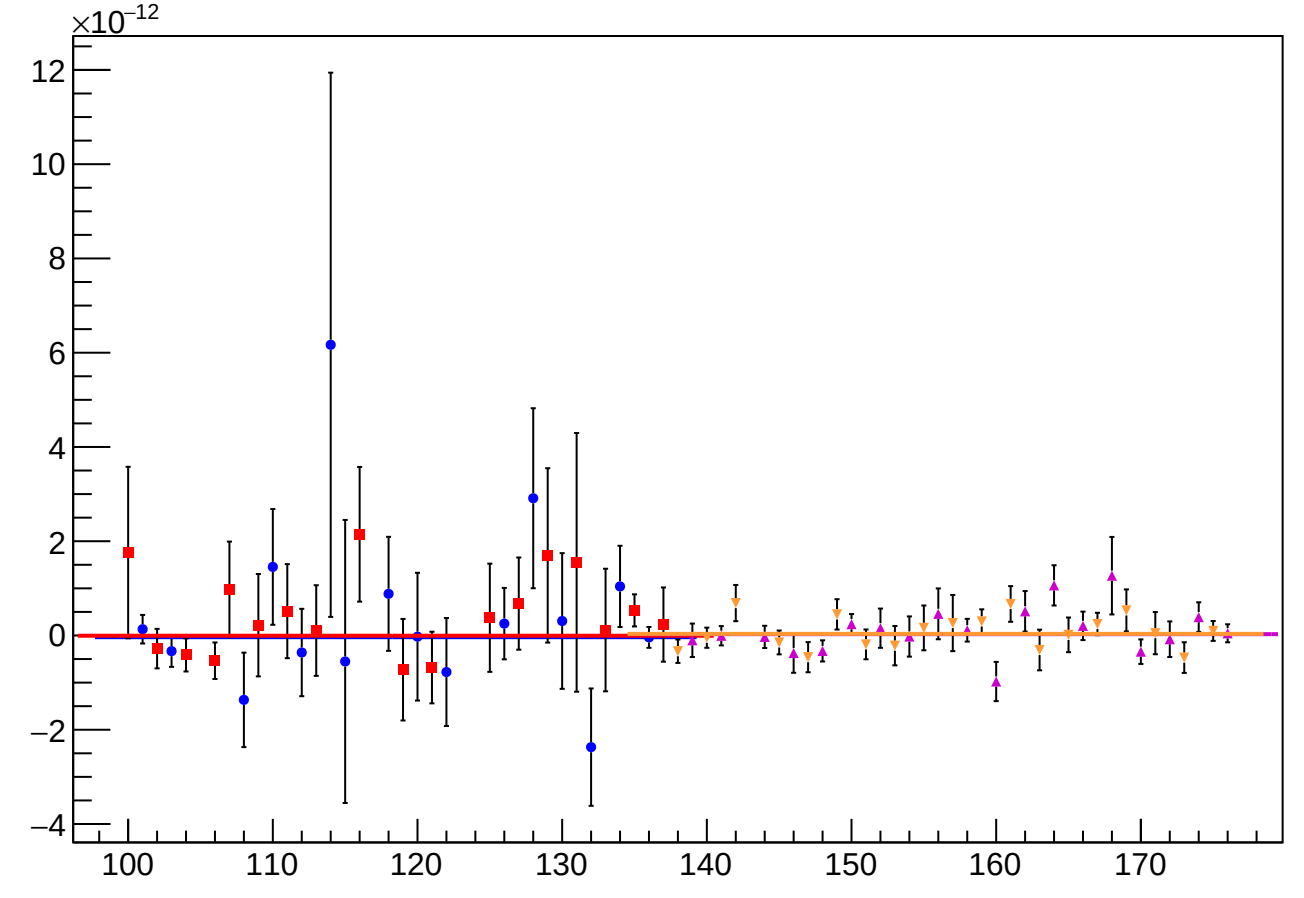
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10621.048+/-1.941 χ^2/NDF:945922.3/18

\+ sign 9870.901+/-1.511 χ^2/NDF: 1406885.0/34

All: 9526.644+/-1.040 χ^2/NDF: 5261944.5/71

\- sign 9216.495+/-1.434 χ^2/NDF: 3756381.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

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

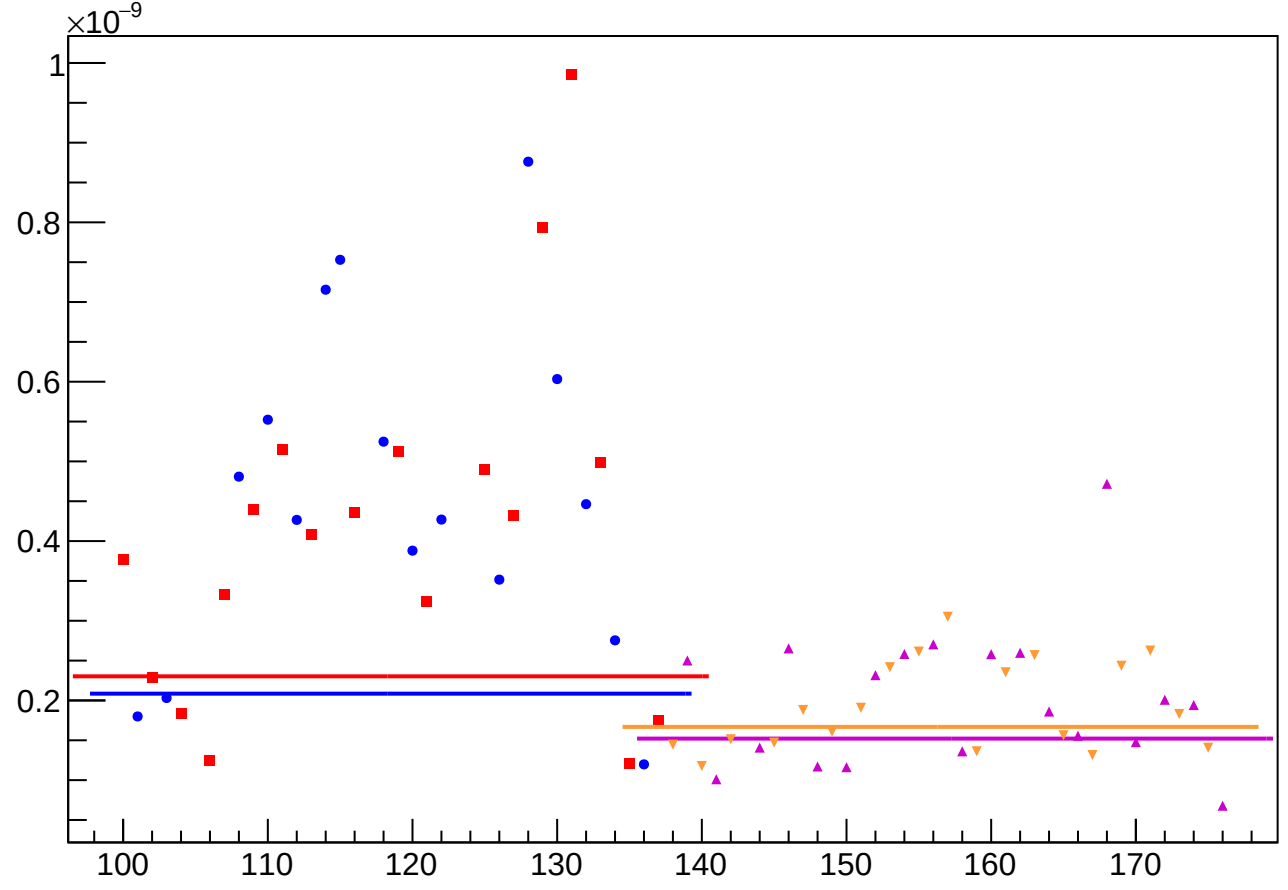
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:24.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/34

All: 0.000+/-0.000 χ^2/NDF: 72.7/71

- sign 0.000+/-0.000 χ^2/NDF: 38.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:822626.7/18

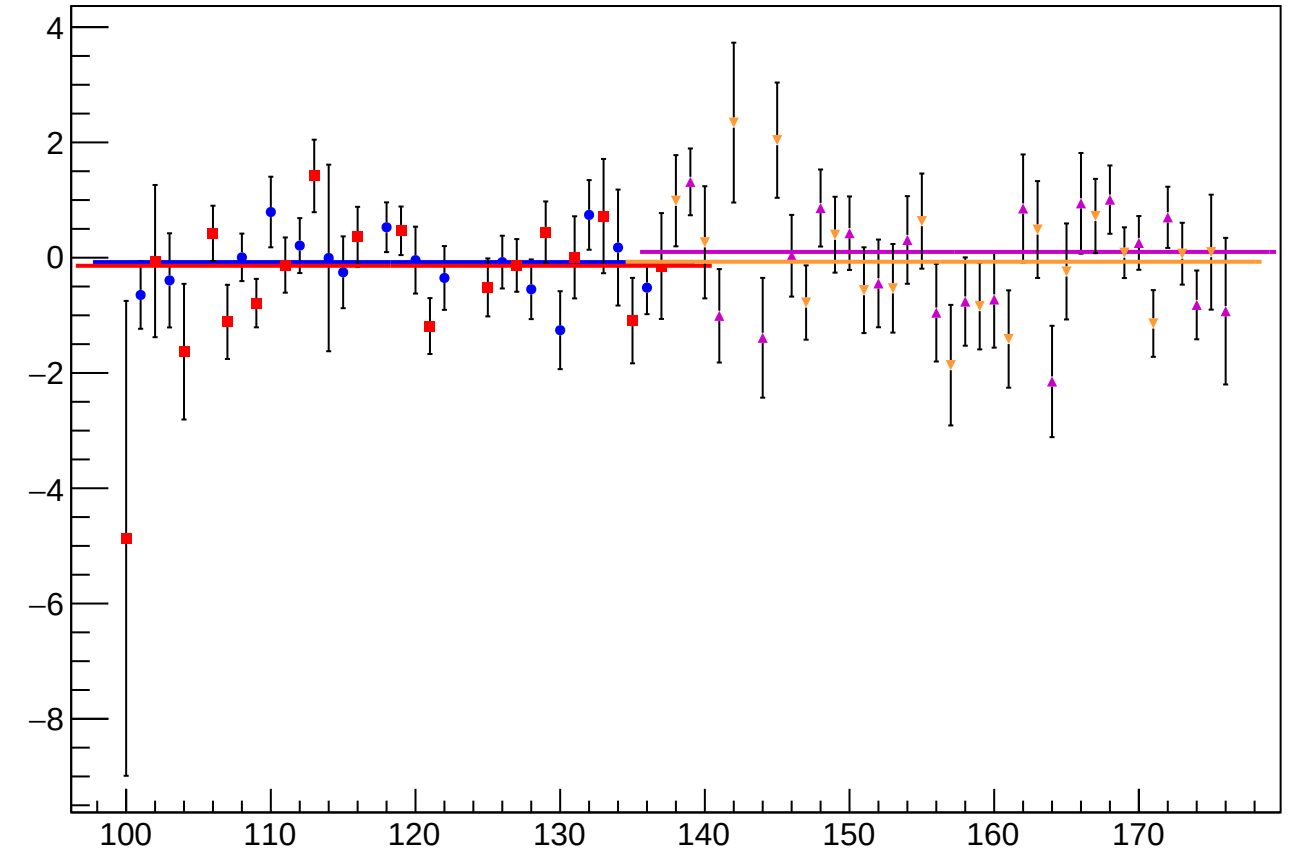
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1860677.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 2593331.3/34

All: 0.000+/-0.000 χ^2/NDF: 6464459.8/71

- sign 0.000+/-0.000 χ^2/NDF: 3842116.8/36



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.070+/-0.167 χ^2/NDF:24.8/18

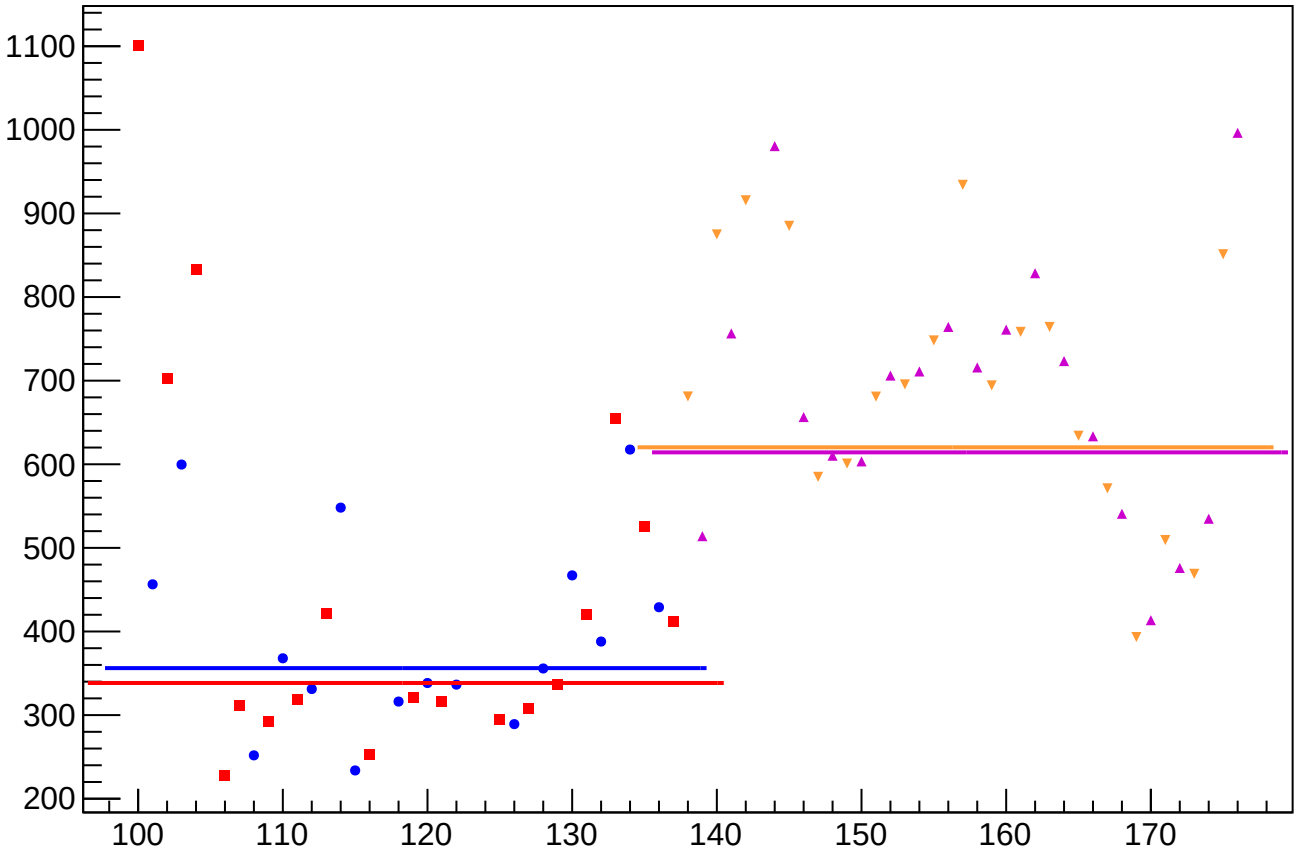
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.100+/-0.162 χ^2/NDF:28.0/18

+ sign -0.074+/-0.107 χ^2/NDF: 37.3/34

All: -0.056+/-0.075 χ^2/NDF: 93.6/71

- sign -0.039+/-0.105 χ^2/NDF: 56.3/36



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 620.325+/-0.118 χ^2/NDF:1663209.8/18

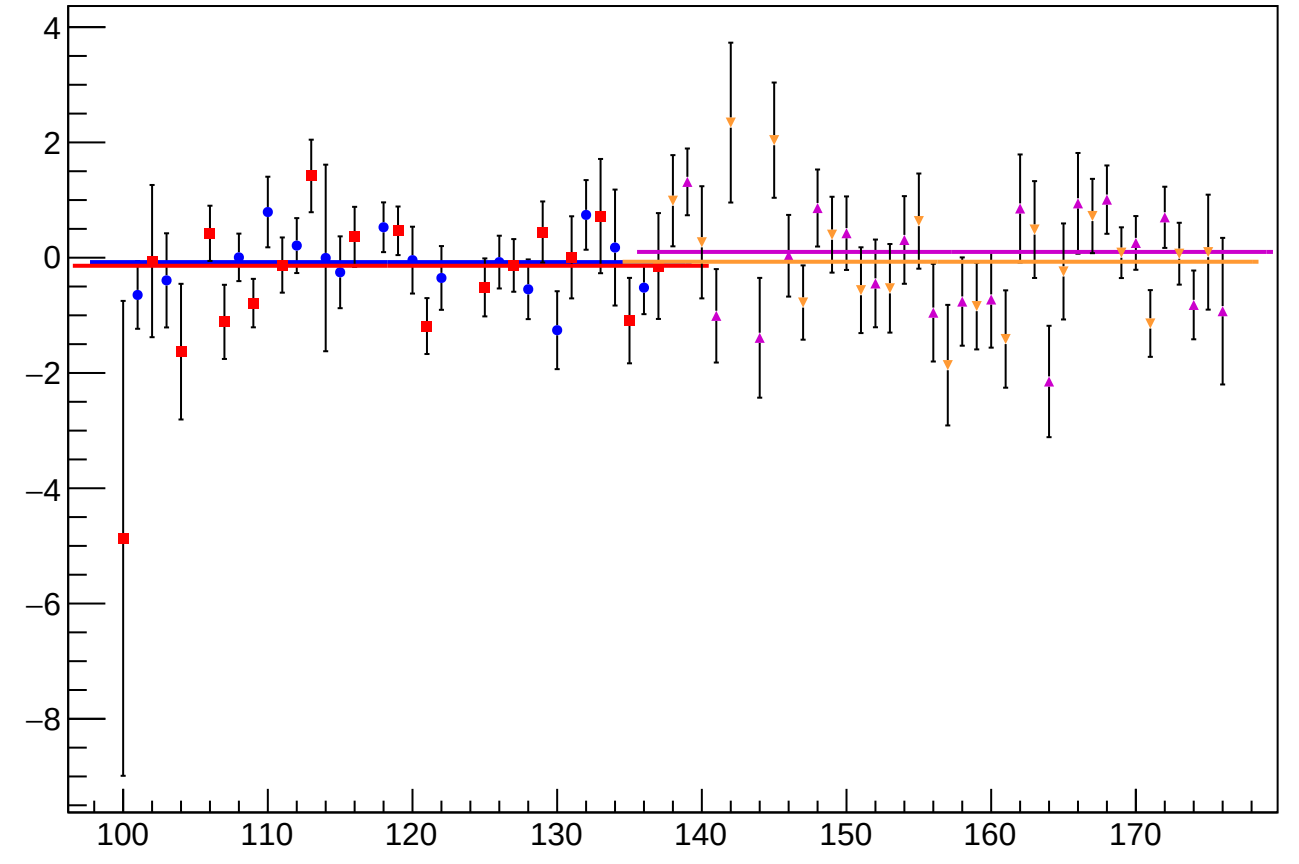
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 614.233+/-0.115 χ^2/NDF:1483496.8/18

+ sign 465.074+/-0.076 χ^2/NDF: 5387204.5/34

All: 459.564+/-0.053 χ^2/NDF: 11441955.0/71

- sign 454.275+/-0.074 χ^2/NDF: 6044403.5/36



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.070+/-0.167 χ^2/NDF:24.8/18

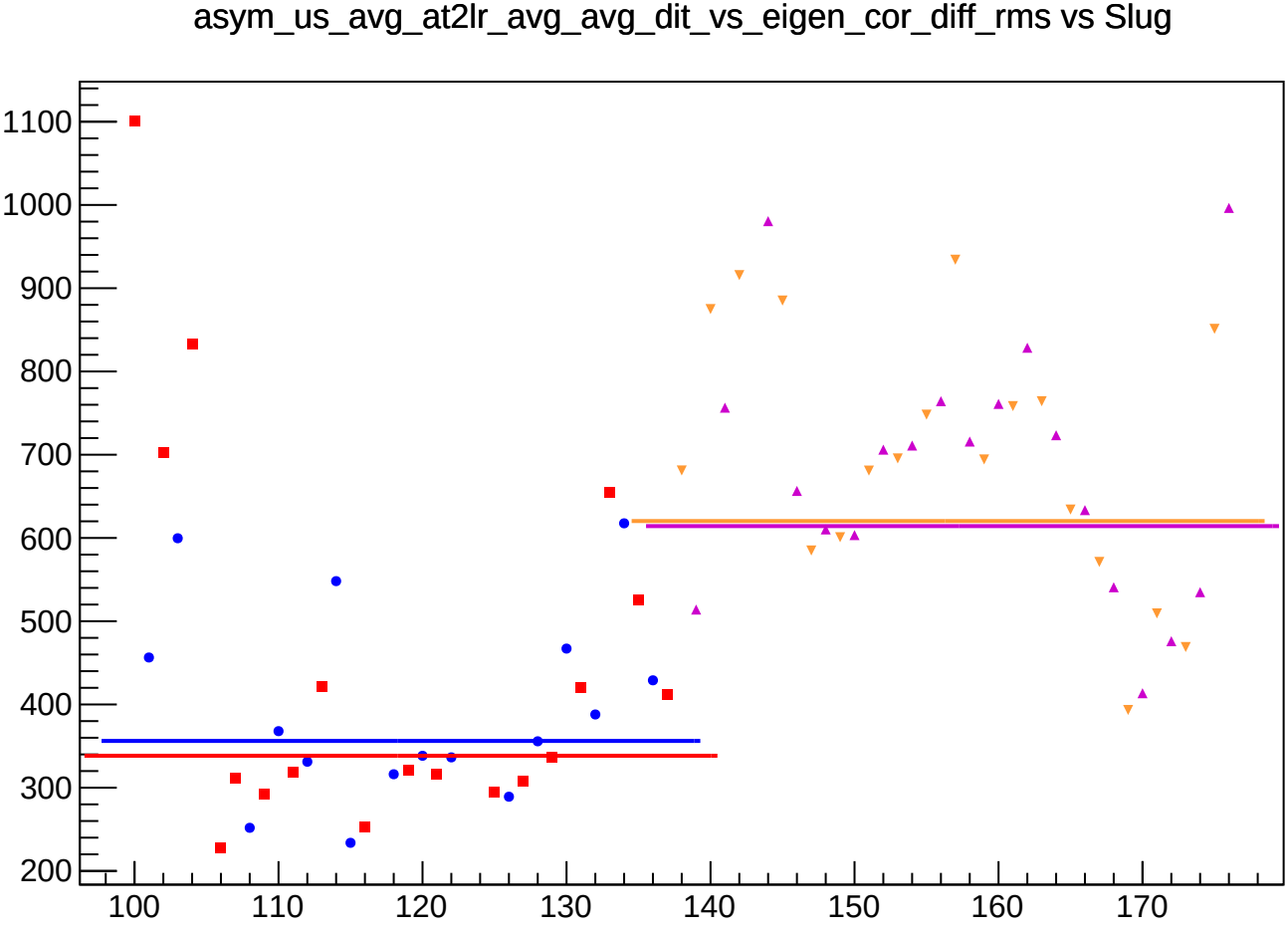
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.100+/-0.162 χ^2/NDF:28.0/18

+ sign -0.074+/-0.107 χ^2/NDF: 37.3/34

All: -0.056+/-0.075 χ^2/NDF: 93.6/71

- sign -0.039+/-0.105 χ^2/NDF: 56.3/36



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 620.325+/-0.118 χ^2/NDF:1663209.8/18

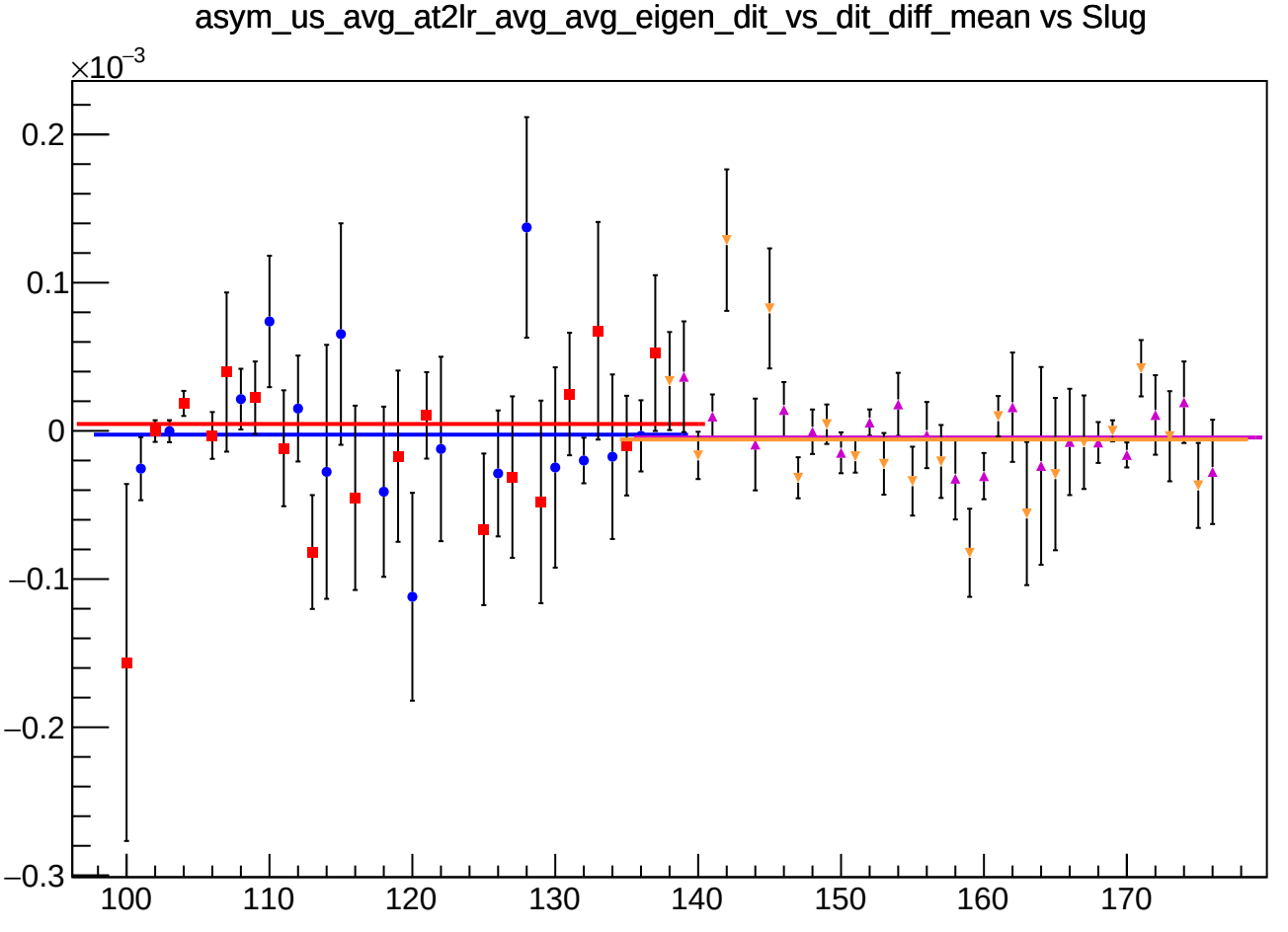
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 614.233+/-0.115 χ^2/NDF:1483496.8/18

+ sign 465.074+/-0.076 χ^2/NDF: 5387204.5/34

All: 459.564+/-0.053 χ^2/NDF: 11441955.0/71

- sign 454.275+/-0.074 χ^2/NDF: 6044403.5/36



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/18

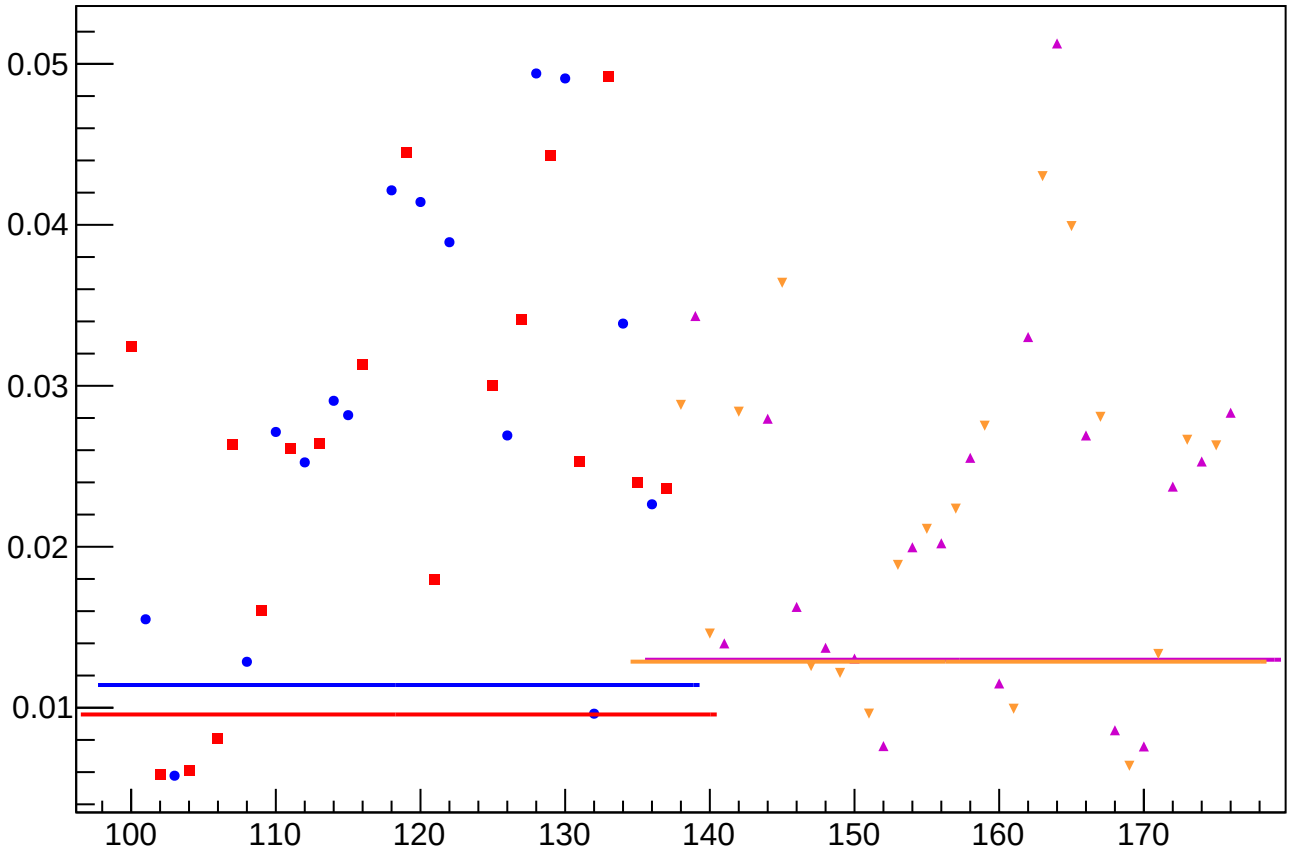
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:13.8/18

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/34

All: -0.000+/-0.000 χ^2/NDF: 88.8/71

- sign -0.000+/-0.000 χ^2/NDF: 33.1/36



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:7143880.0/18

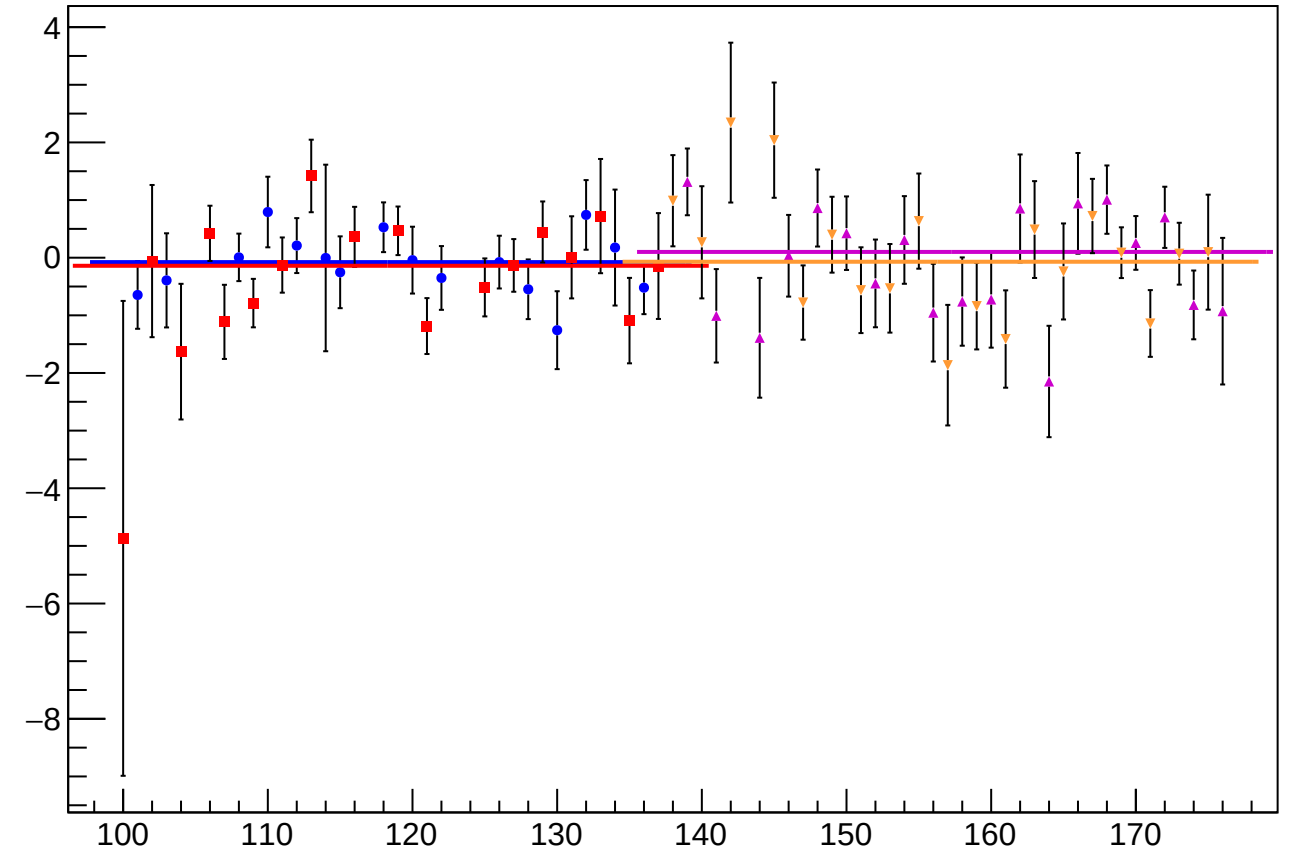
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:6453318.9/18

+ sign 0.012+/-0.000 χ^2/NDF: 12734843.9/34

All: 0.012+/-0.000 χ^2/NDF: 25653507.7/71

- sign 0.012+/-0.000 χ^2/NDF: 12857193.4/36



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.070+/-0.167 χ^2/NDF:24.8/18

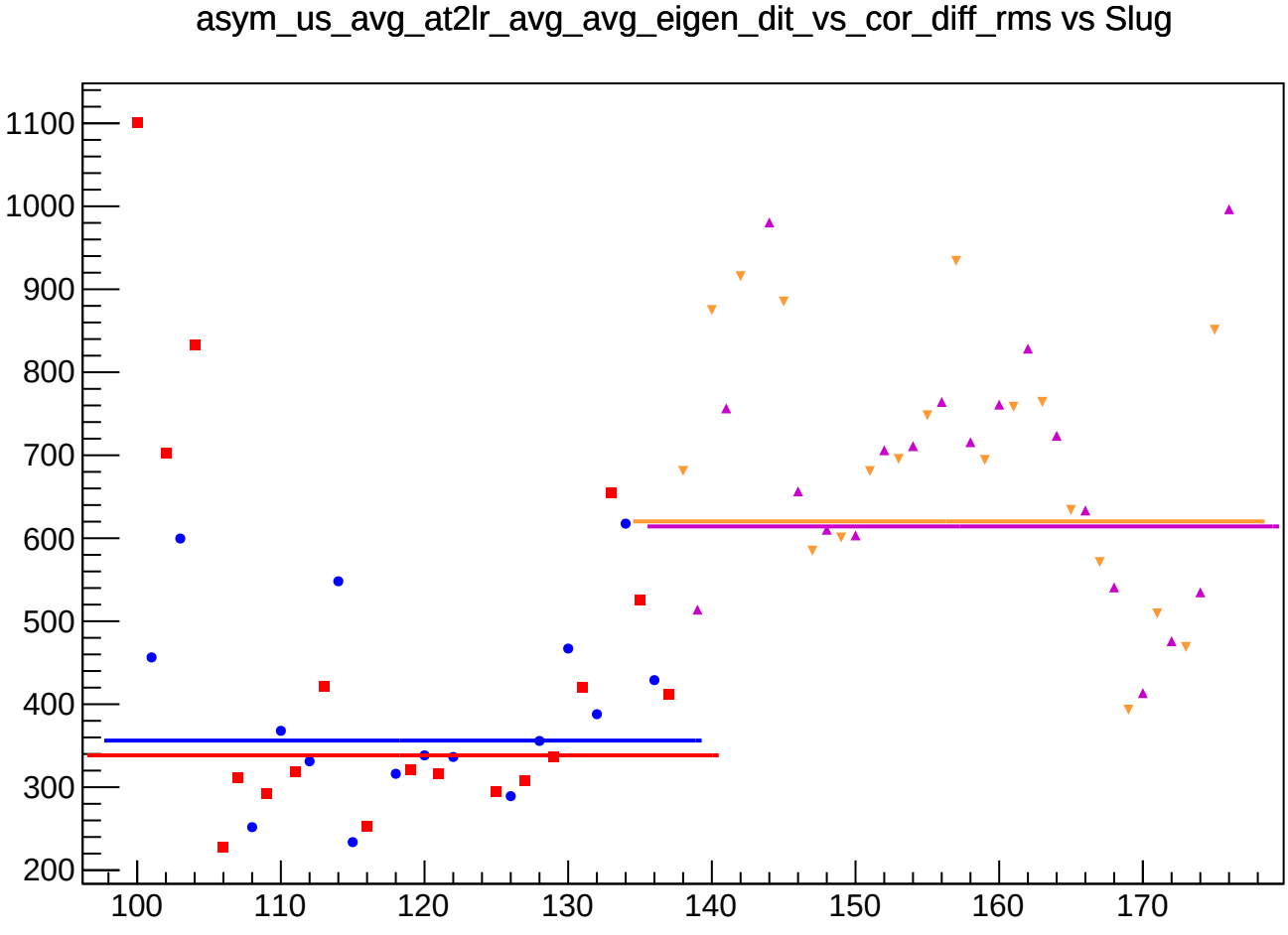
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

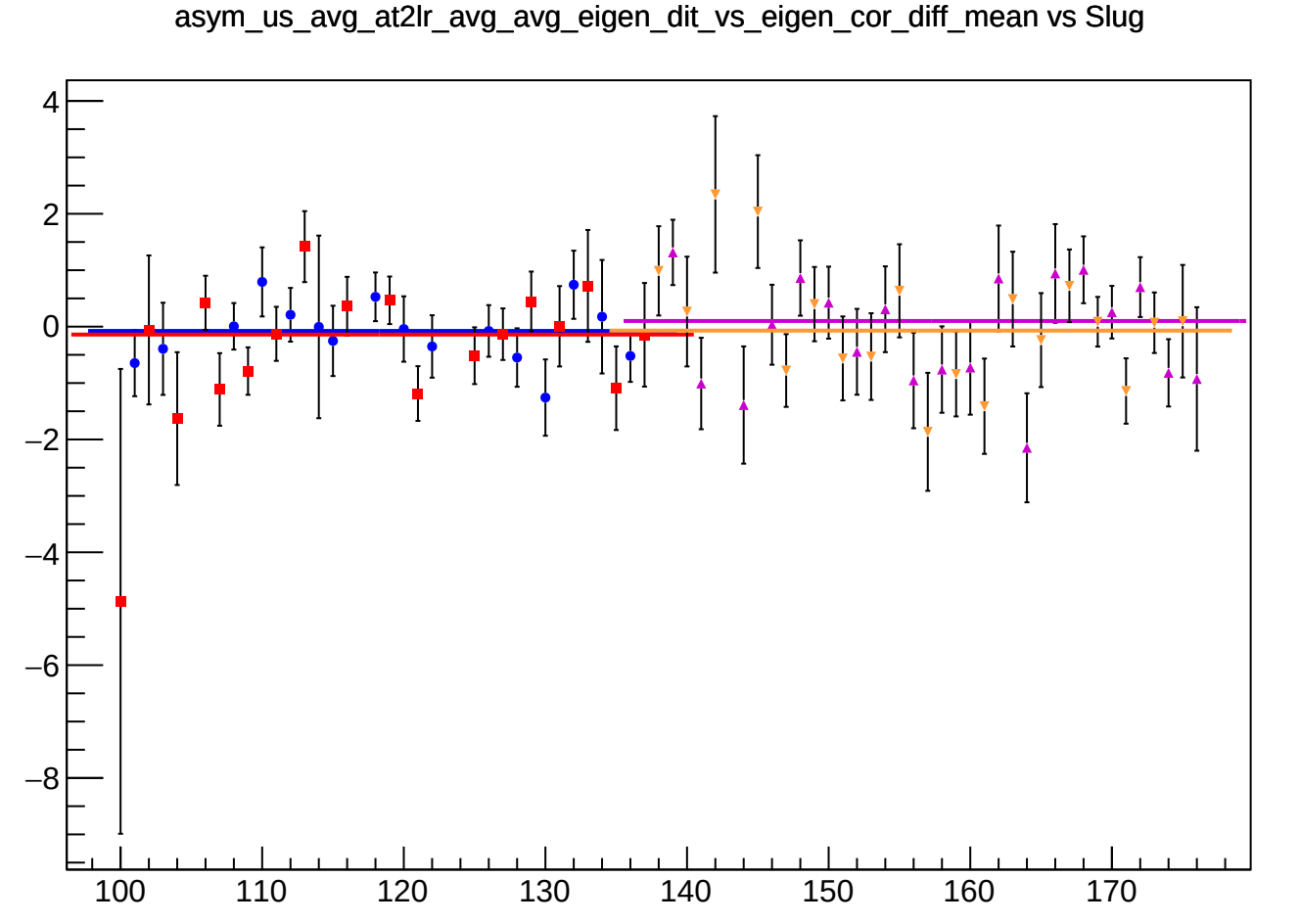
Left In: 0.100+/-0.162 χ^2/NDF:28.0/18

+ sign -0.074+/-0.107 χ^2/NDF: 37.3/34

All: -0.056+/-0.075 χ^2/NDF: 93.6/71

- sign -0.039+/-0.105 χ^2/NDF: 56.3/36


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 356.188+/-0.099 χ²/NDF: 785072.9/15
Left Out: 620.325+/-0.118 χ²/NDF:1663372.6/18
Right Out: 338.408+/-0.098 χ²/NDF: 1203260.7/17
Left In: 614.235+/-0.115 χ²/NDF:1483618.6/18
+ sign 465.073+/-0.076 χ²/NDF: 5387365.7/34
All: 459.562+/-0.053 χ²/NDF: 11442325.5/71
- sign 454.273+/-0.074 χ²/NDF: 6044612.7/36



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.070+/-0.167 χ^2/NDF:24.8/18

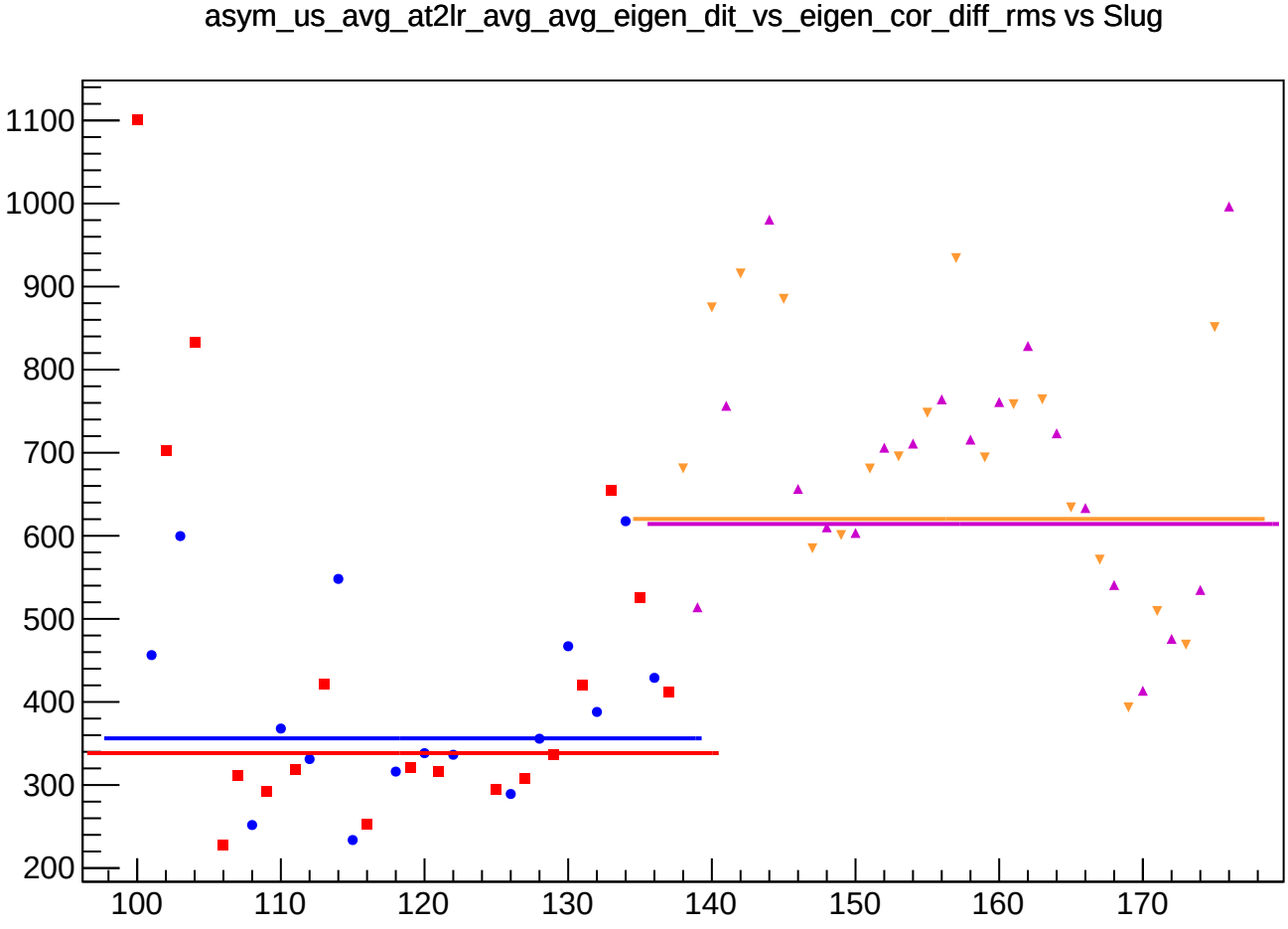
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.100+/-0.162 χ^2/NDF:28.0/18

+ sign -0.074+/-0.107 χ^2/NDF: 37.3/34

All: -0.056+/-0.075 χ^2/NDF: 93.6/71

- sign -0.039+/-0.105 χ^2/NDF: 56.3/36



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 620.325+/-0.118 χ^2/NDF:1663372.6/18

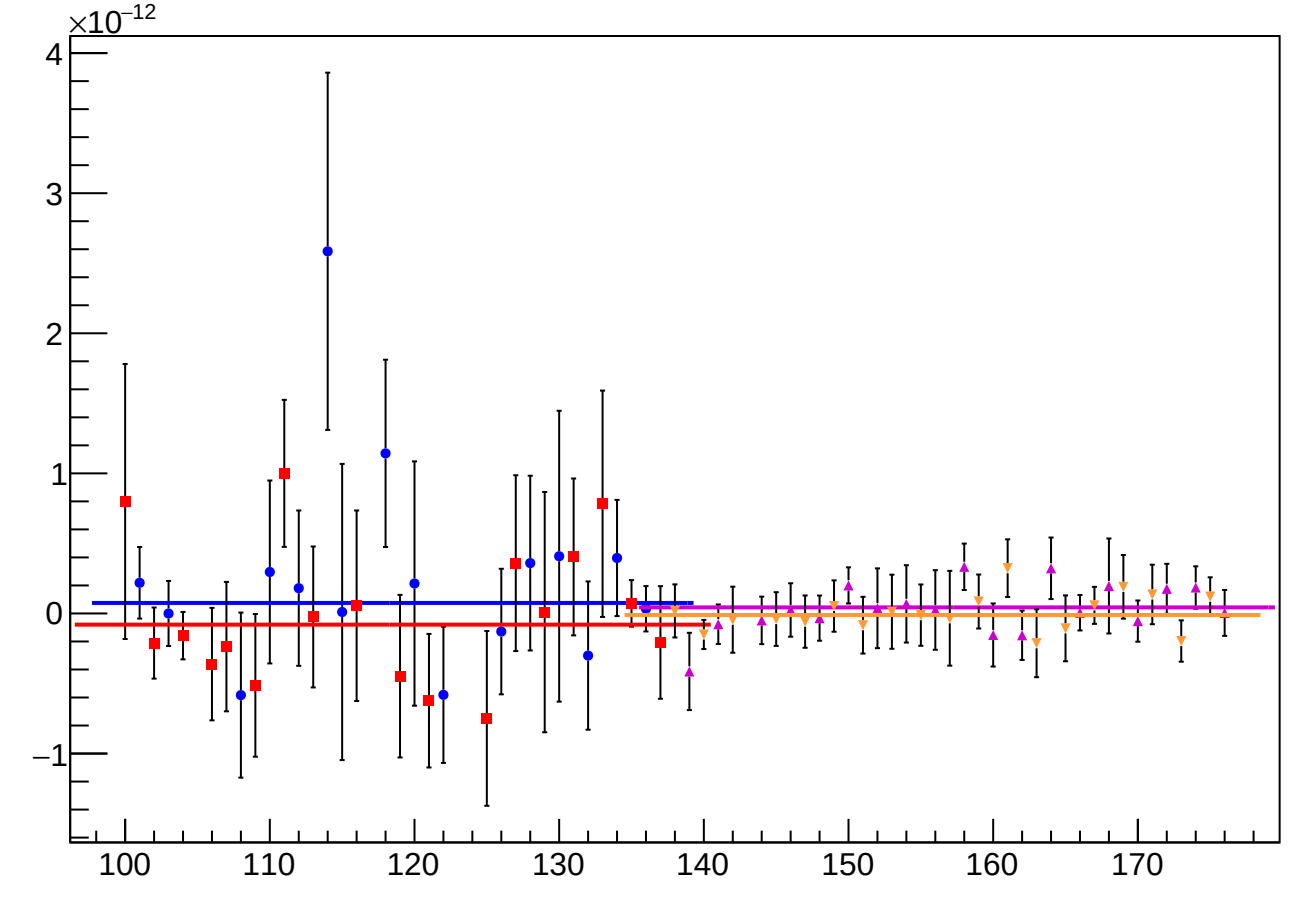
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 614.235+/-0.115 χ^2/NDF:1483618.6/18

+ sign 465.073+/-0.076 χ^2/NDF: 5387365.7/34

All: 459.562+/-0.053 χ^2/NDF: 11442325.5/71

- sign 454.273+/-0.074 χ^2/NDF: 6044612.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/18

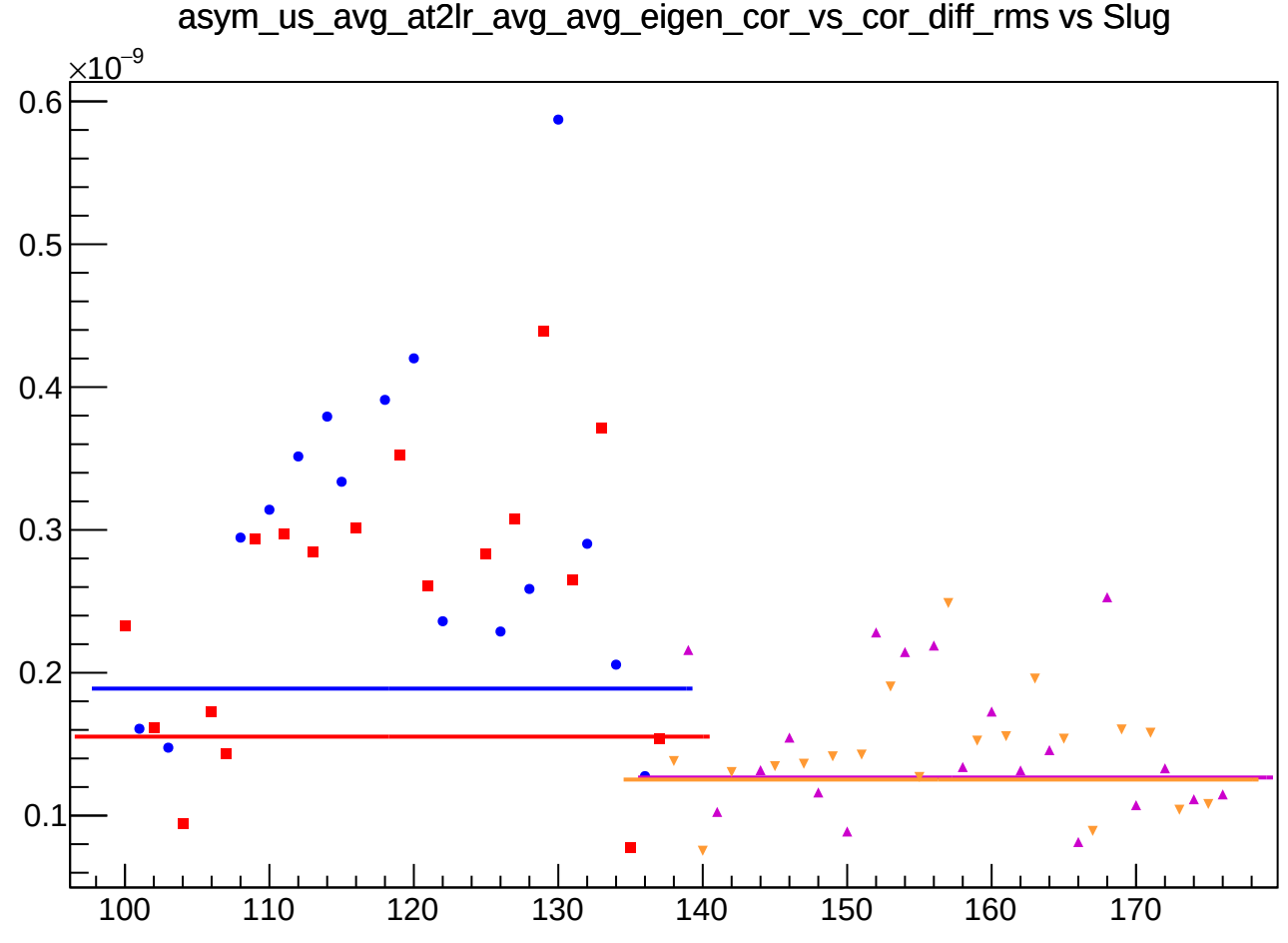
Right Out: -0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 22.4/34

All: 0.000+/-0.000 χ^2/NDF: 51.7/71

- sign 0.000+/-0.000 χ^2/NDF: 29.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1499753.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

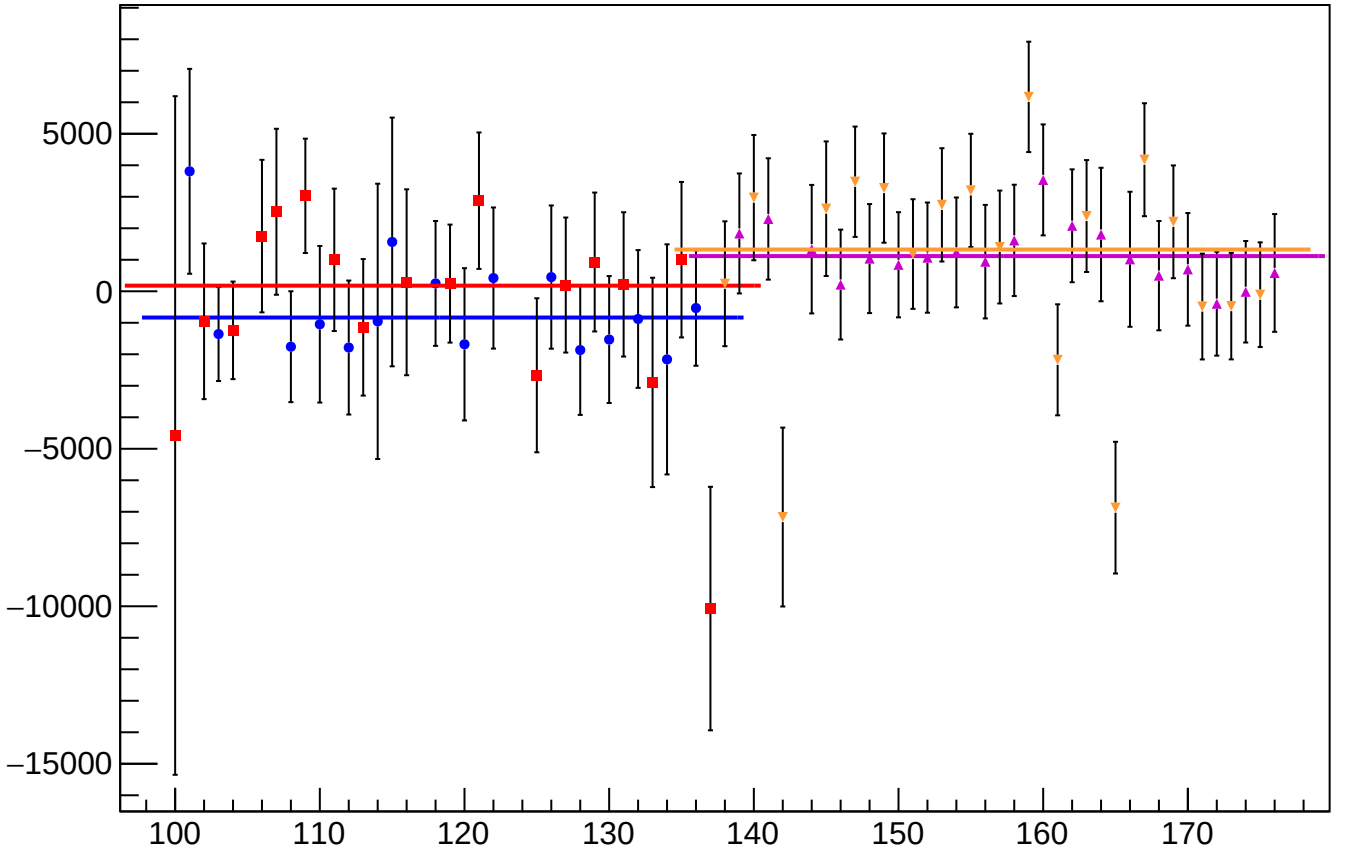
Left In: 0.000+/-0.000 χ^2/NDF:1865446.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 3755968.7/34

All: 0.000+/-0.000 χ^2/NDF: 8012281.8/71

- sign 0.000+/-0.000 χ^2/NDF: 4248644.3/36

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1325.181+/-420.656 χ^2/NDF:47.9/18

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

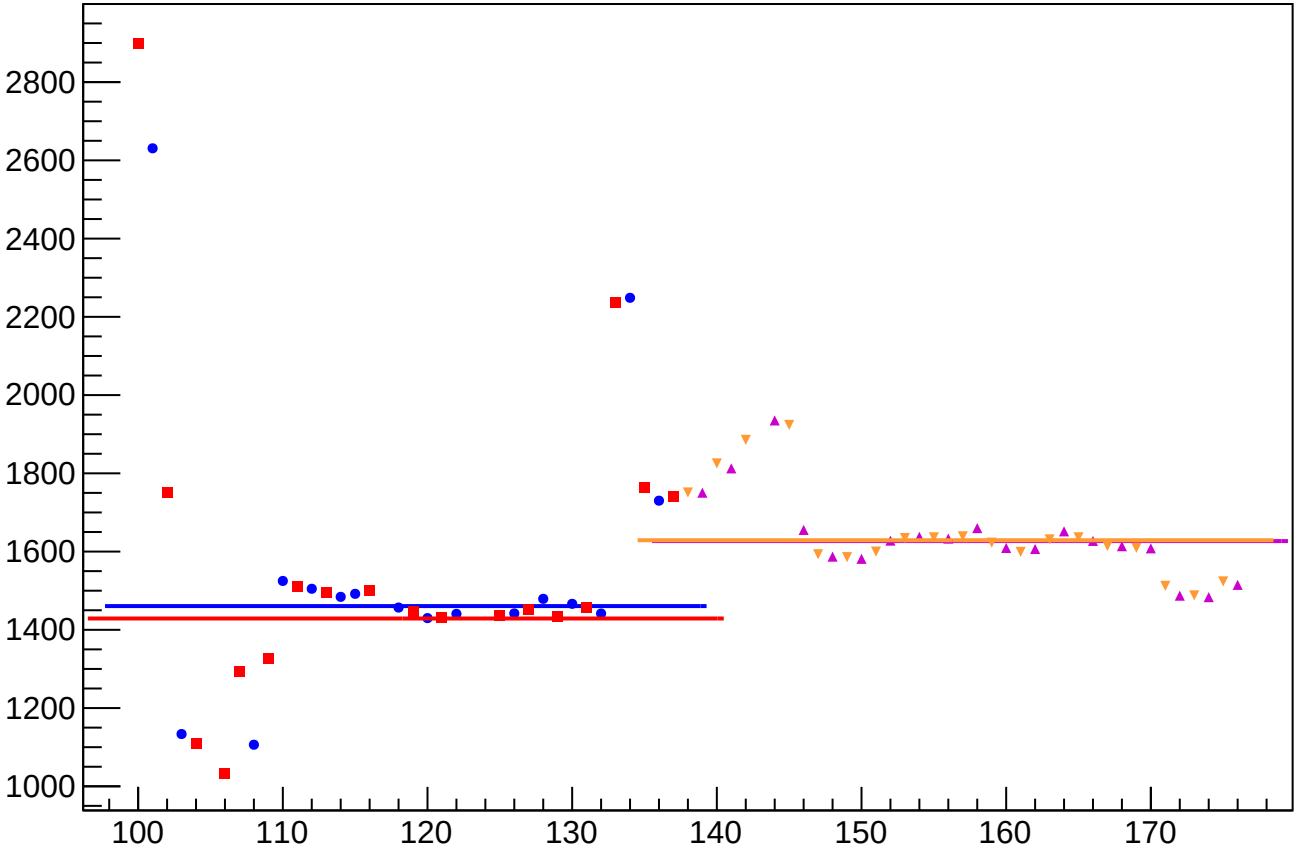
Left In: 1117.164+/-413.490 χ^2/NDF:4.8/18

+ sign 537.259+/-335.206 χ^2/NDF: 62.1/34

All: 658.696+/-235.176 χ^2/NDF: 85.5/71

- sign 776.413+/-330.032 χ^2/NDF: 23.1/36

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1628.972+/-0.297 χ^2/NDF:116814.5/18

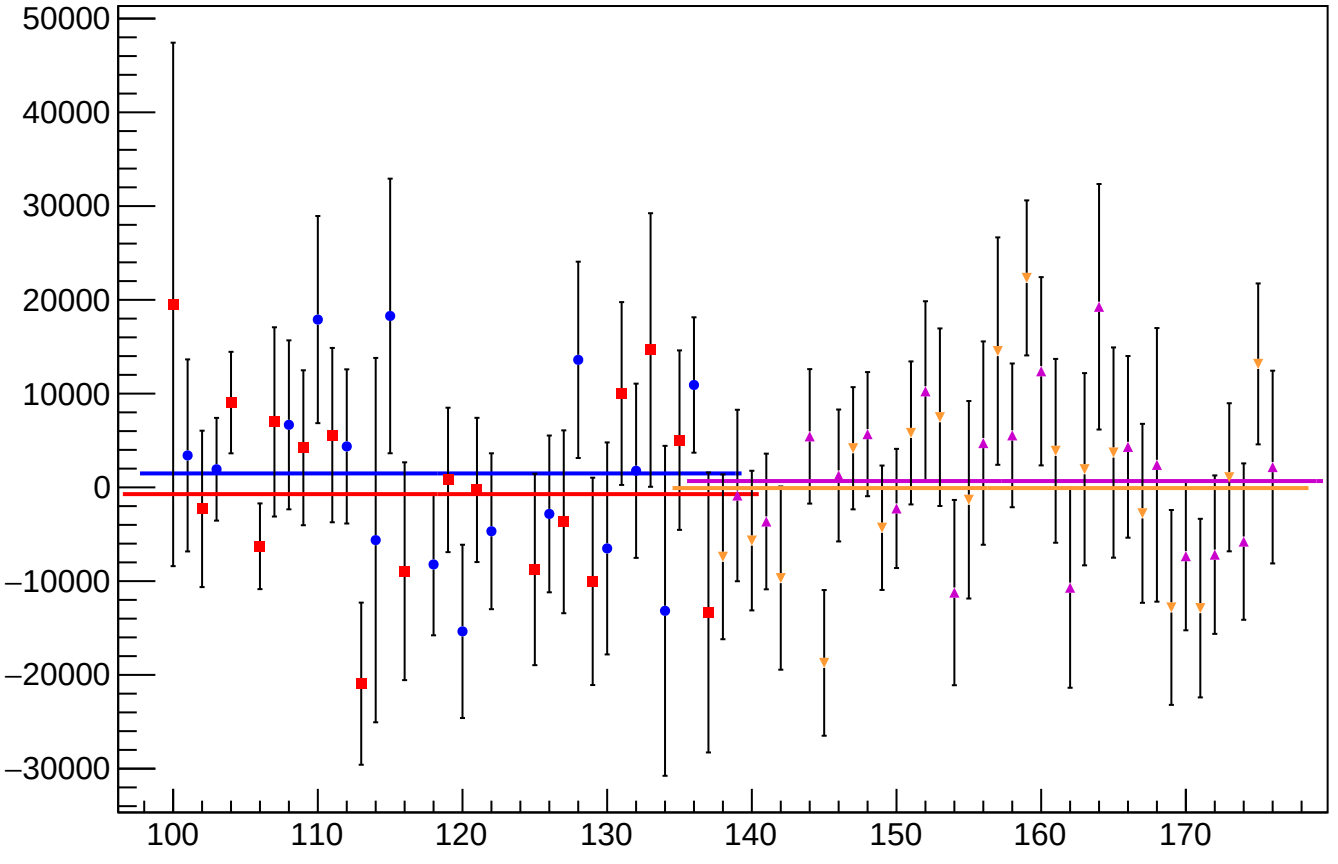
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1626.804+/-0.292 χ^2/NDF:115007.5/18

+ sign 1567.535+/-0.237 χ^2/NDF: 809430.6/34

All: 1560.803+/-0.166 χ^2/NDF: 1505082.8/71

- sign 1554.313+/-0.233 χ^2/NDF: 694067.8/36



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -73.824+/-1992.717 χ^2/NDF:25.0/18

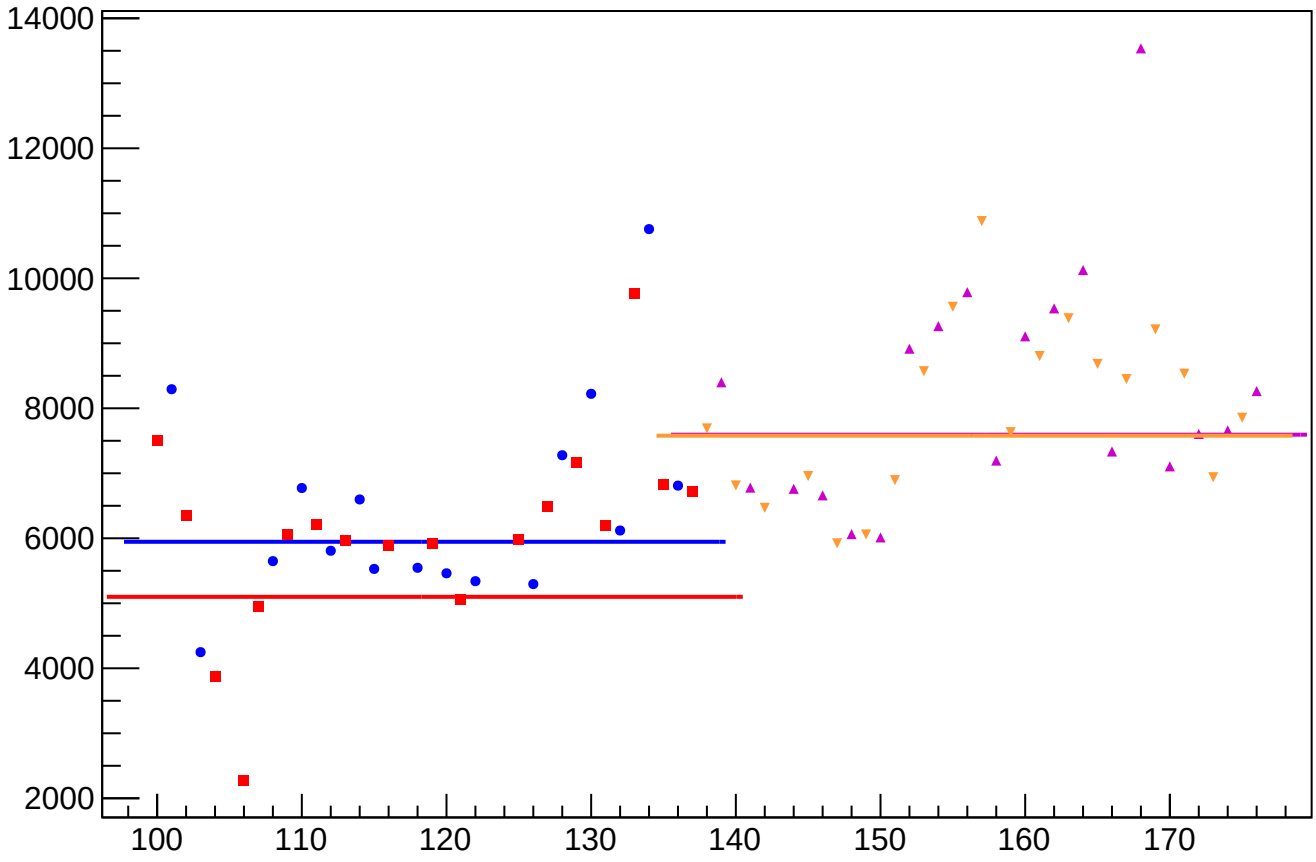
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 673.970+/-1966.435 χ^2/NDF:11.8/18

+ sign 606.344+/-1496.990 χ^2/NDF: 39.4/34

All: 280.350+/-1024.913 χ^2/NDF: 69.1/71

- sign -7.286+/-1406.162 χ^2/NDF: 29.5/36



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7578.532+/-1.409 χ^2/NDF:765652.3/18

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

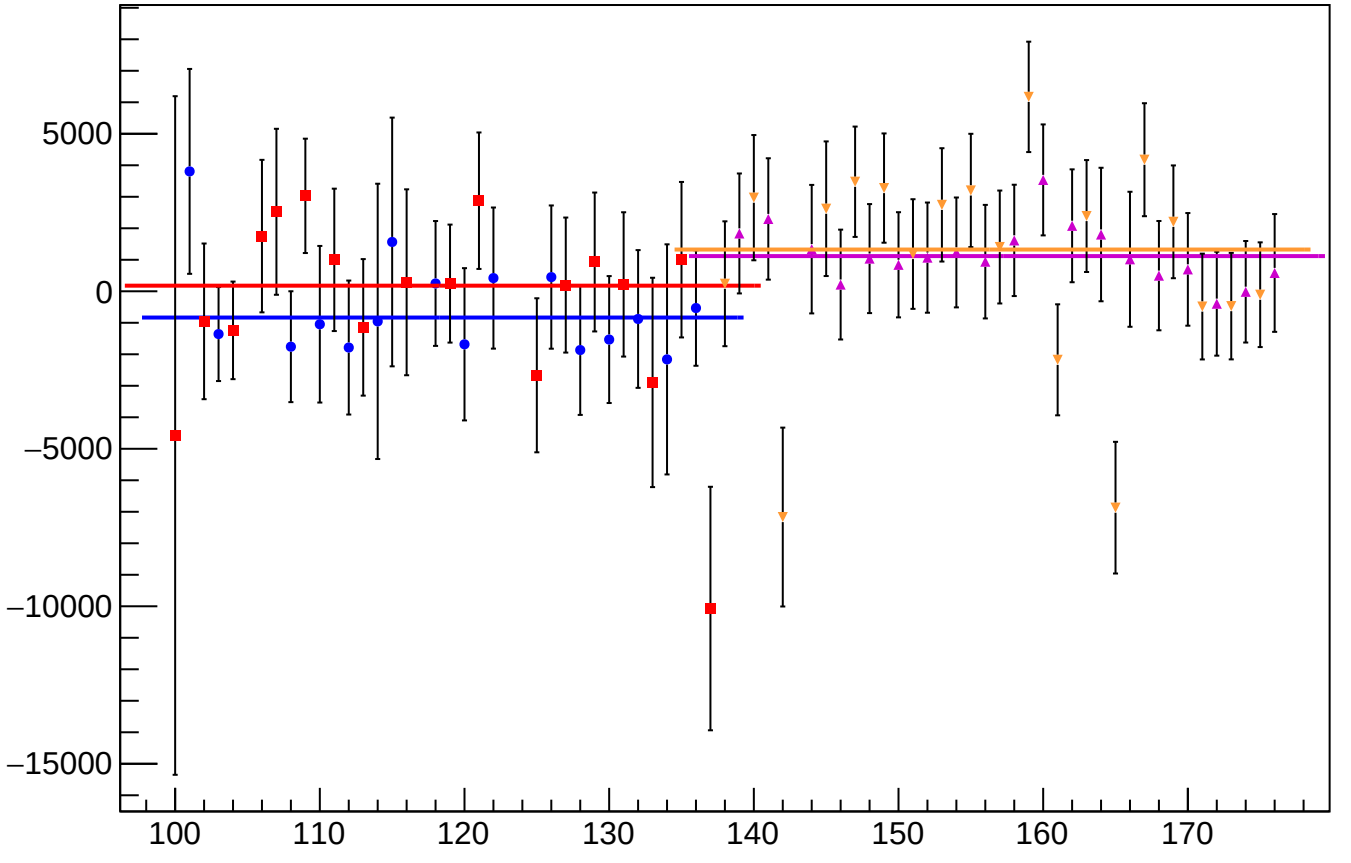
Left In: 7594.105+/-1.390 χ^2/NDF:1051752.6/18

+ sign 6867.350+/-1.059 χ^2/NDF: 1991520.8/34

All: 6605.805+/-0.725 χ^2/NDF: 6211537.5/71

- sign 6375.035+/-0.994 χ^2/NDF: 4105100.5/36

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1325.250+/-420.656 χ^2/NDF:47.9/18

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

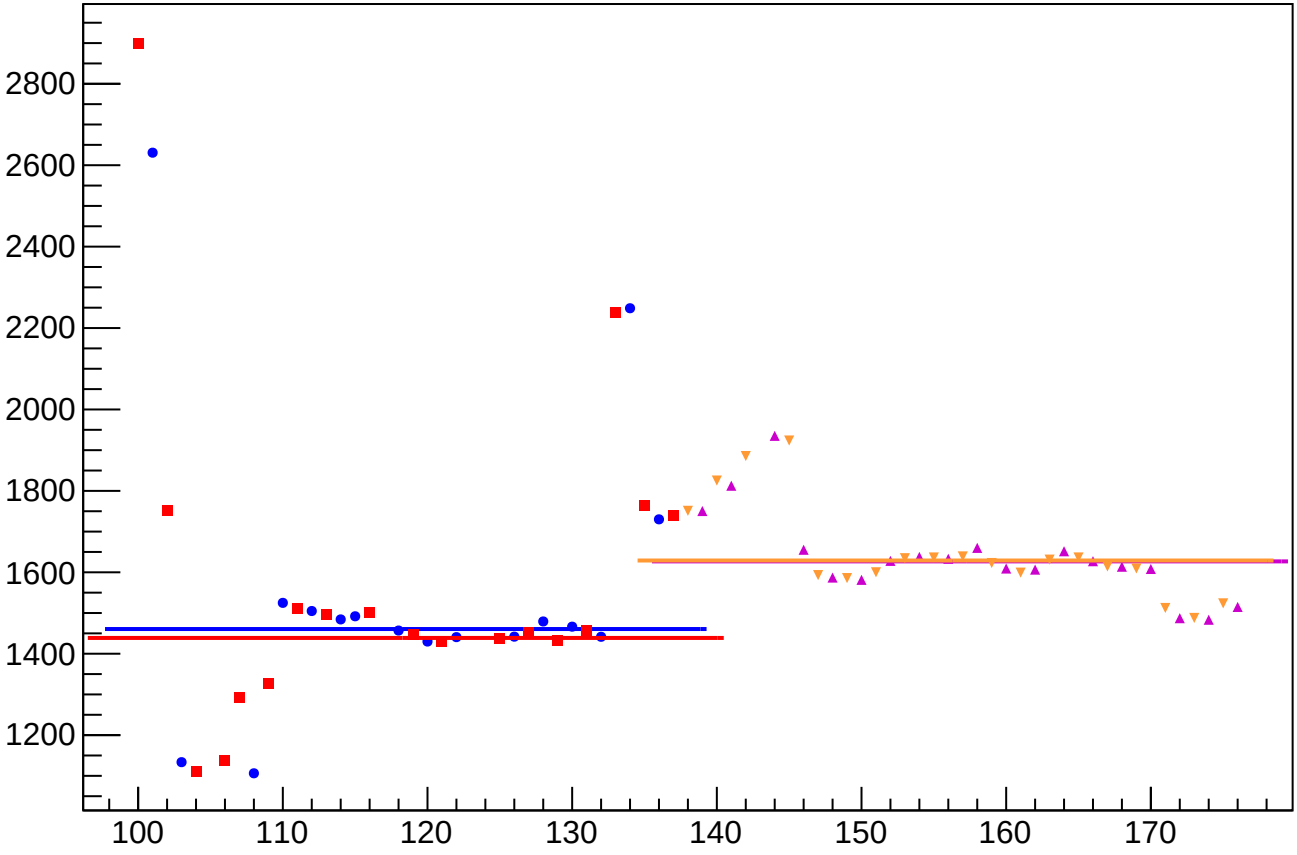
Left In: 1117.096+/-413.490 χ^2/NDF:4.8/18

+ sign 537.280+/-335.206 χ^2/NDF: 62.1/34

All: 658.654+/-235.176 χ^2/NDF: 85.5/71

- sign 776.311+/-330.032 χ^2/NDF: 23.1/36

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1628.972+/-0.297 χ^2/NDF:116814.5/18

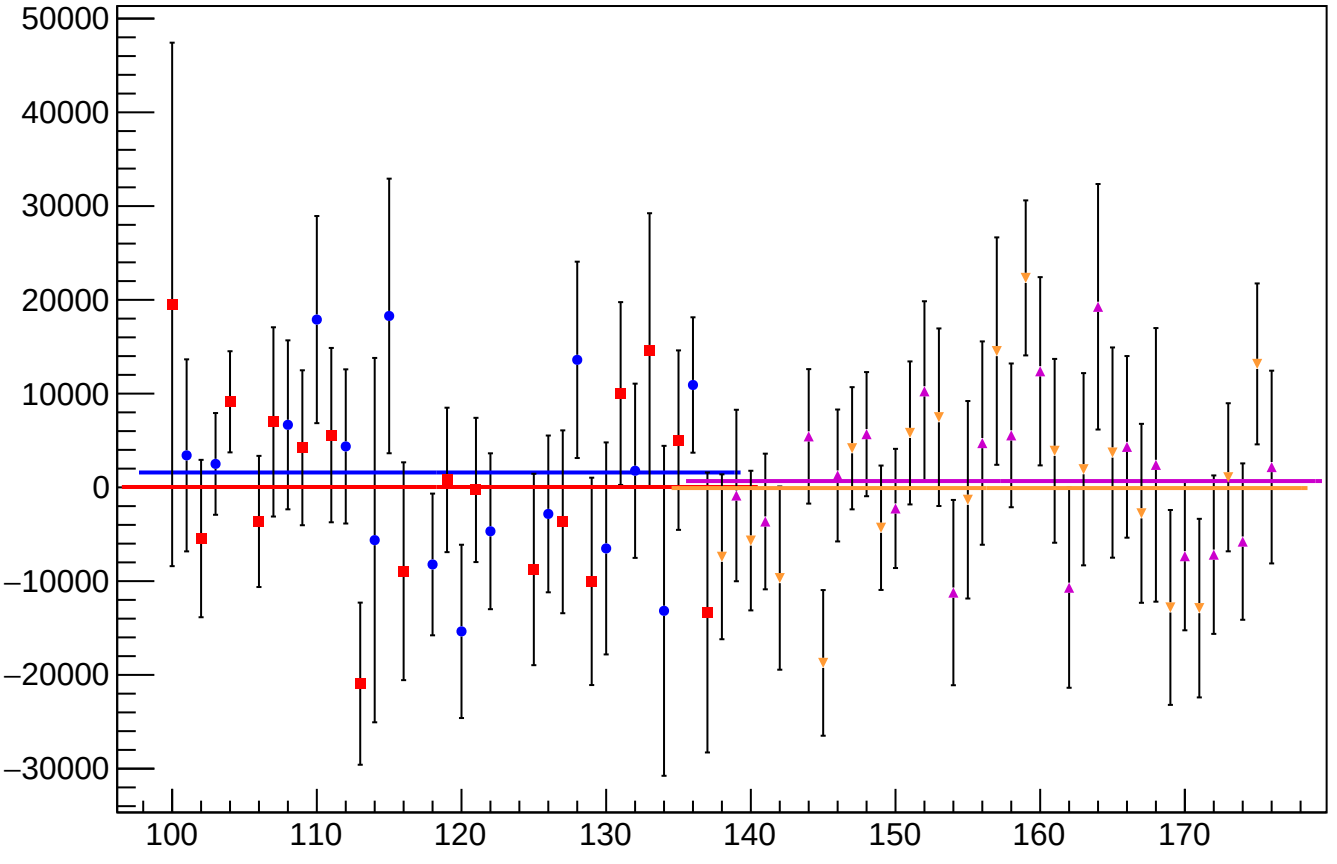
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1626.804+/-0.292 χ^2/NDF:115007.5/18

+ sign 1567.535+/-0.237 χ^2/NDF: 809431.1/34

All: 1562.871+/-0.166 χ^2/NDF: 1449131.6/71

- sign 1558.358+/-0.233 χ^2/NDF: 638938.8/36



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -73.813+/-1992.717 χ^2/NDF:25.0/18

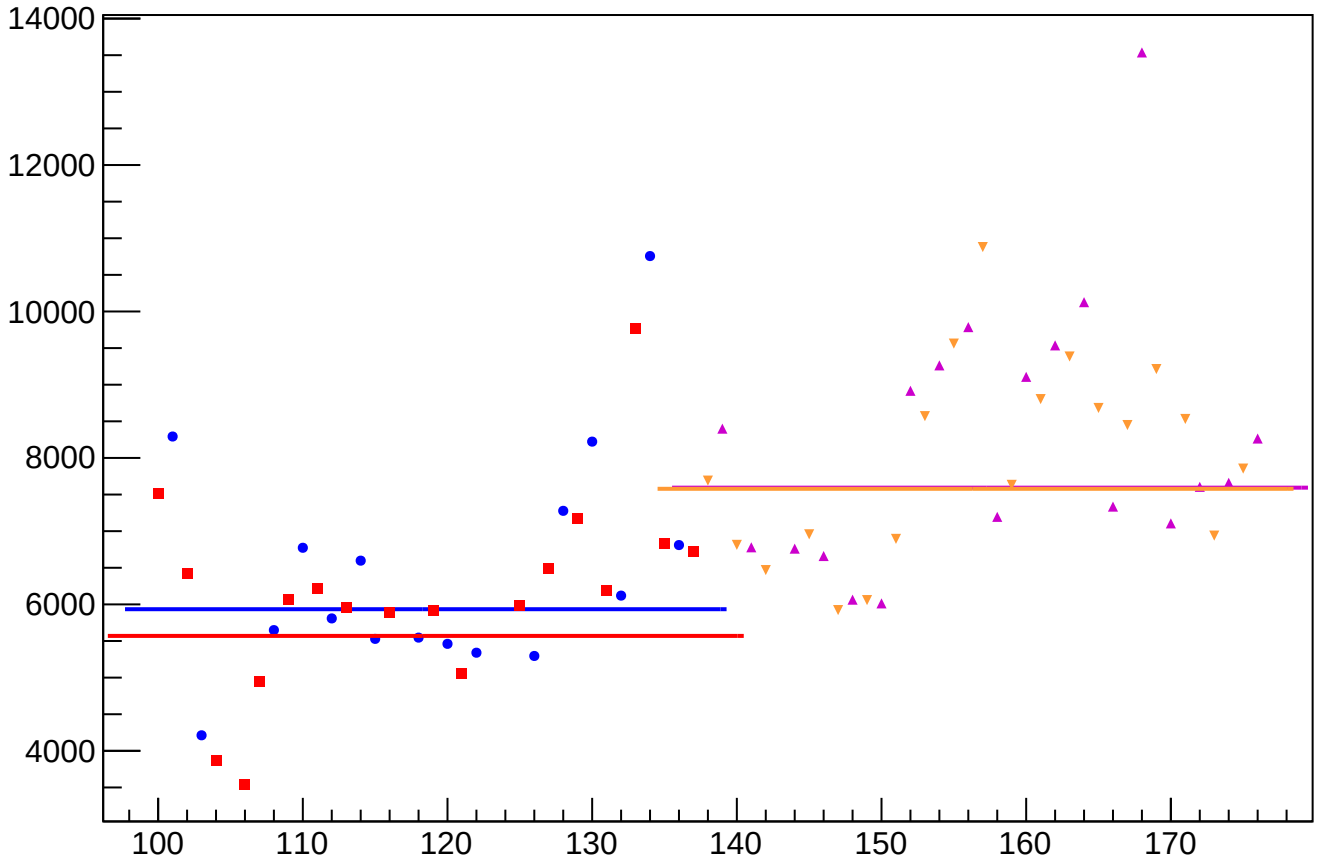
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 674.013+/-1966.433 χ^2/NDF:11.8/18

+ sign 651.806+/-1495.904 χ^2/NDF: 39.5/34

All: 512.839+/-1039.595 χ^2/NDF: 67.8/71

- sign 383.026+/-1445.795 χ^2/NDF: 28.3/36



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7578.531+/-1.409 χ^2/NDF:765652.0/18

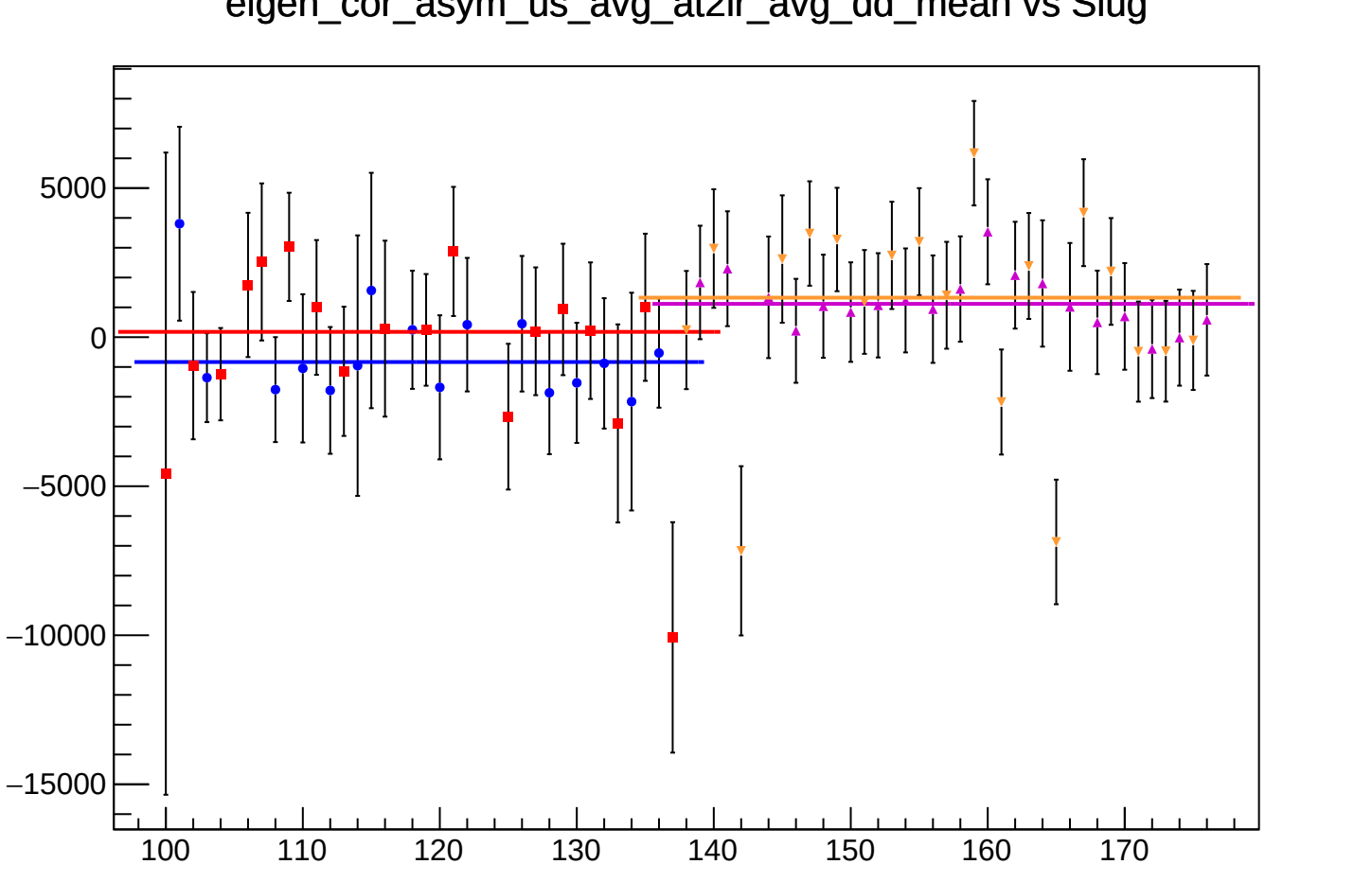
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7594.099+/-1.390 χ^2/NDF:1051756.1/18

+ sign 6860.833+/-1.058 χ^2/NDF: 2013119.6/34

All: 6759.061+/-0.735 χ^2/NDF: 4780741.0/71

- sign 6663.994+/-1.022 χ^2/NDF: 2749717.0/36



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1325.250+/-420.656 χ^2/NDF:47.9/18

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

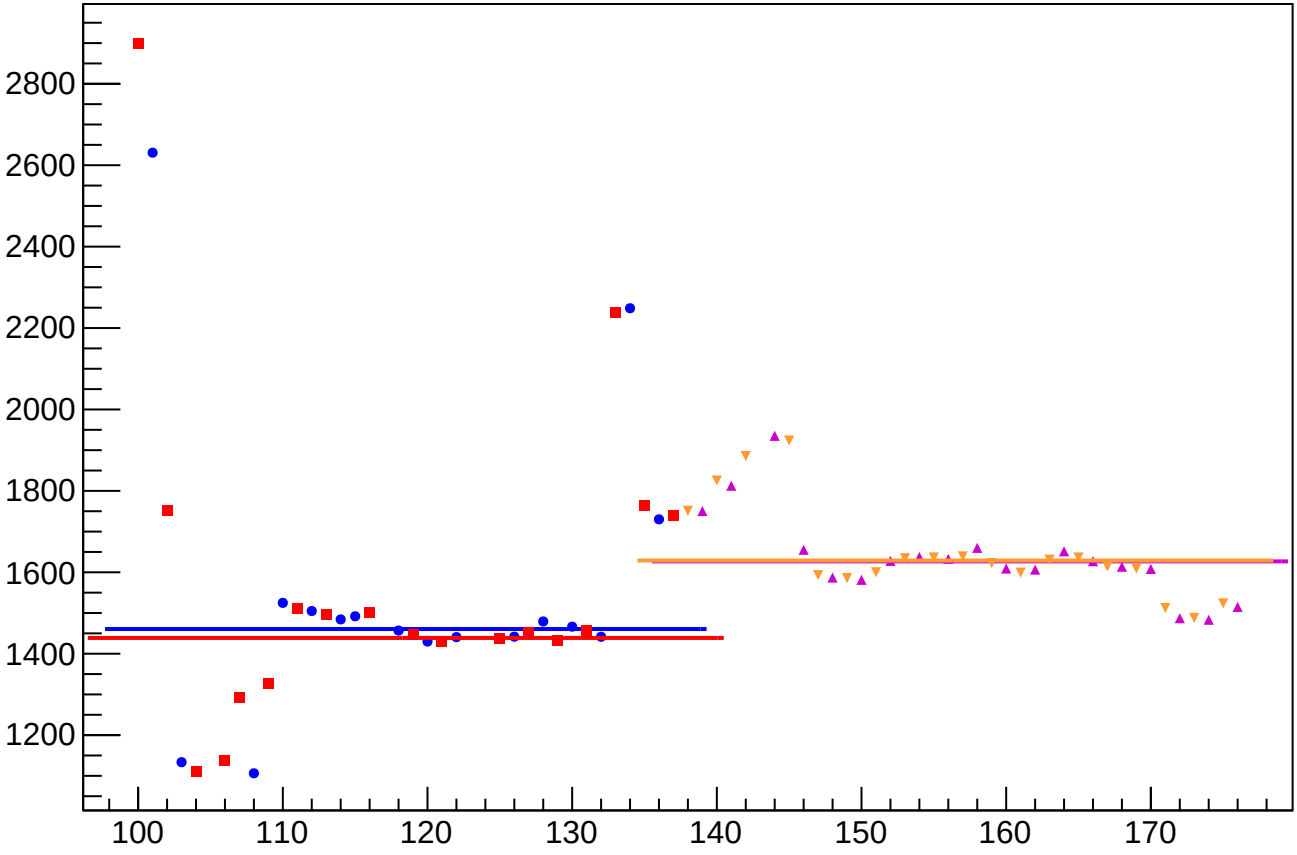
Left In: 1117.096+/-413.490 χ^2/NDF:4.8/18

+ sign 537.280+/-335.206 χ^2/NDF: 62.1/34

All: 658.654+/-235.176 χ^2/NDF: 85.5/71

- sign 776.311+/-330.032 χ^2/NDF: 23.1/36

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: 1628.972+/-0.297 χ^2/NDF:116814.5/18

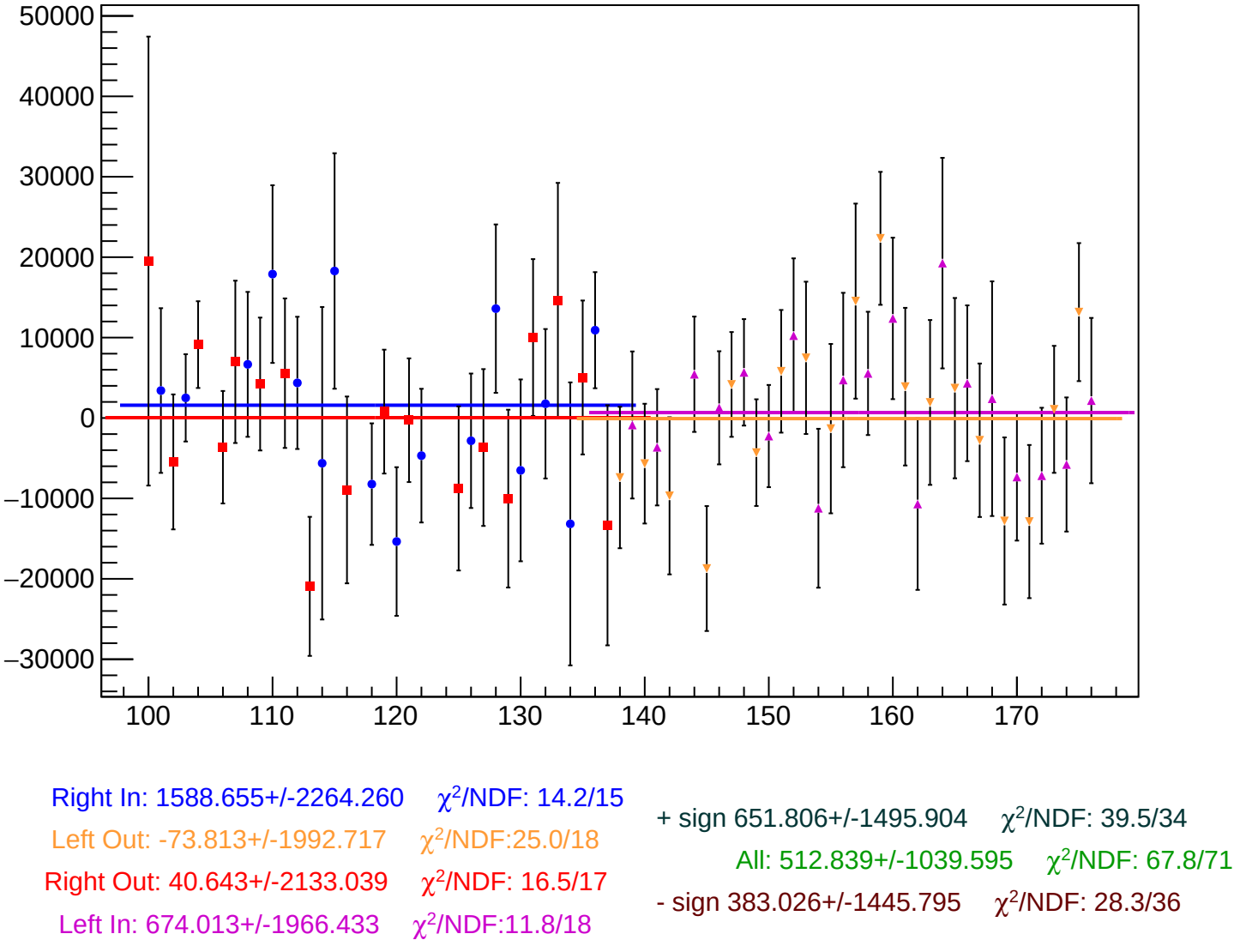
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

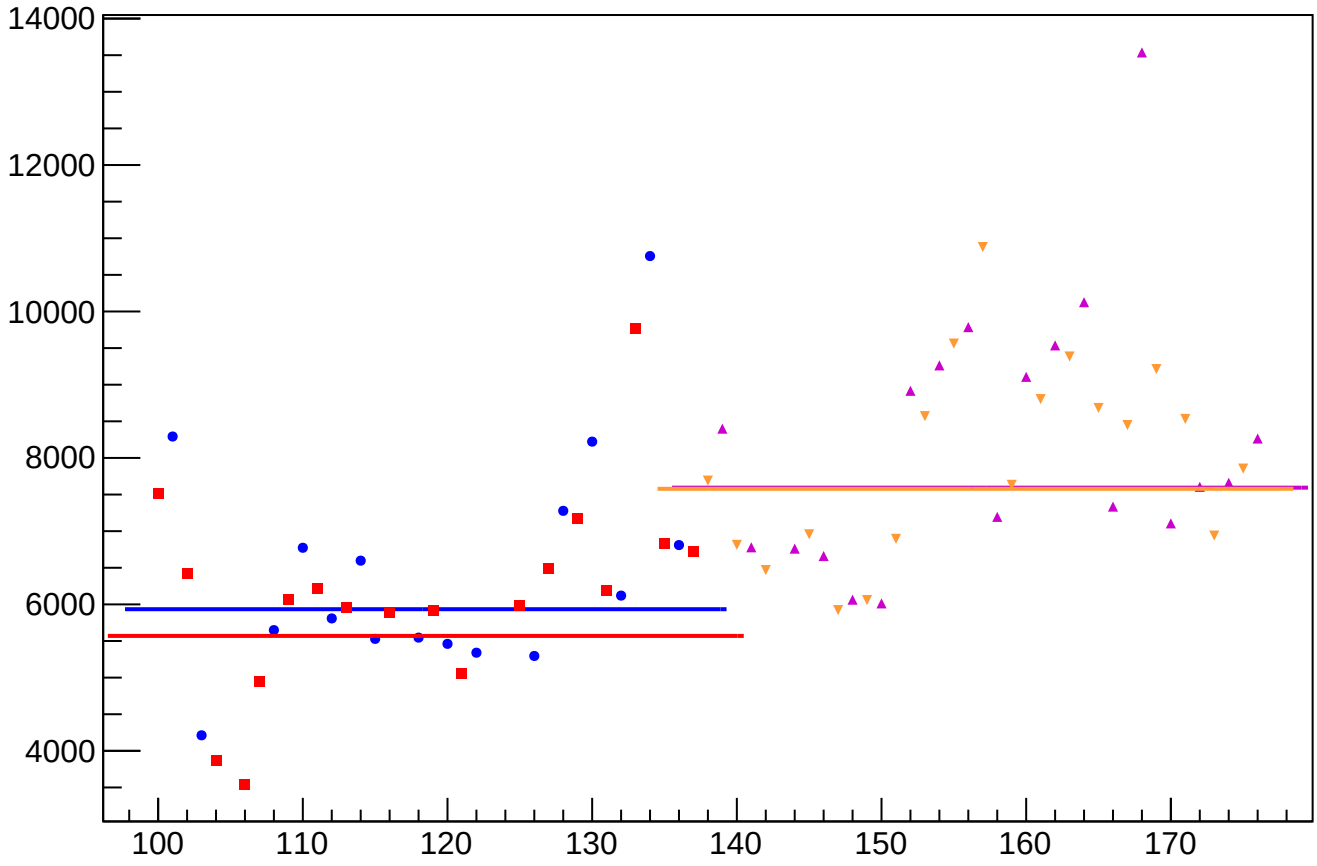
Left In: 1626.804+/-0.292 χ^2/NDF:115007.5/18

+ sign 1567.535+/-0.237 χ^2/NDF: 809431.1/34

All: 1562.871+/-0.166 χ^2/NDF: 1449131.6/71

- sign 1558.358+/-0.233 χ^2/NDF: 638938.8/36


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -73.813+/-1992.717 χ²/NDF:25.0/18
Right Out: 40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: 674.013+/-1966.433 χ²/NDF:11.8/18
+ sign 651.806+/-1495.904 χ²/NDF: 39.5/34
All: 512.839+/-1039.595 χ²/NDF: 67.8/71
- sign 383.026+/-1445.795 χ²/NDF: 28.3/36



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7578.531+/-1.409 χ^2/NDF:765652.0/18

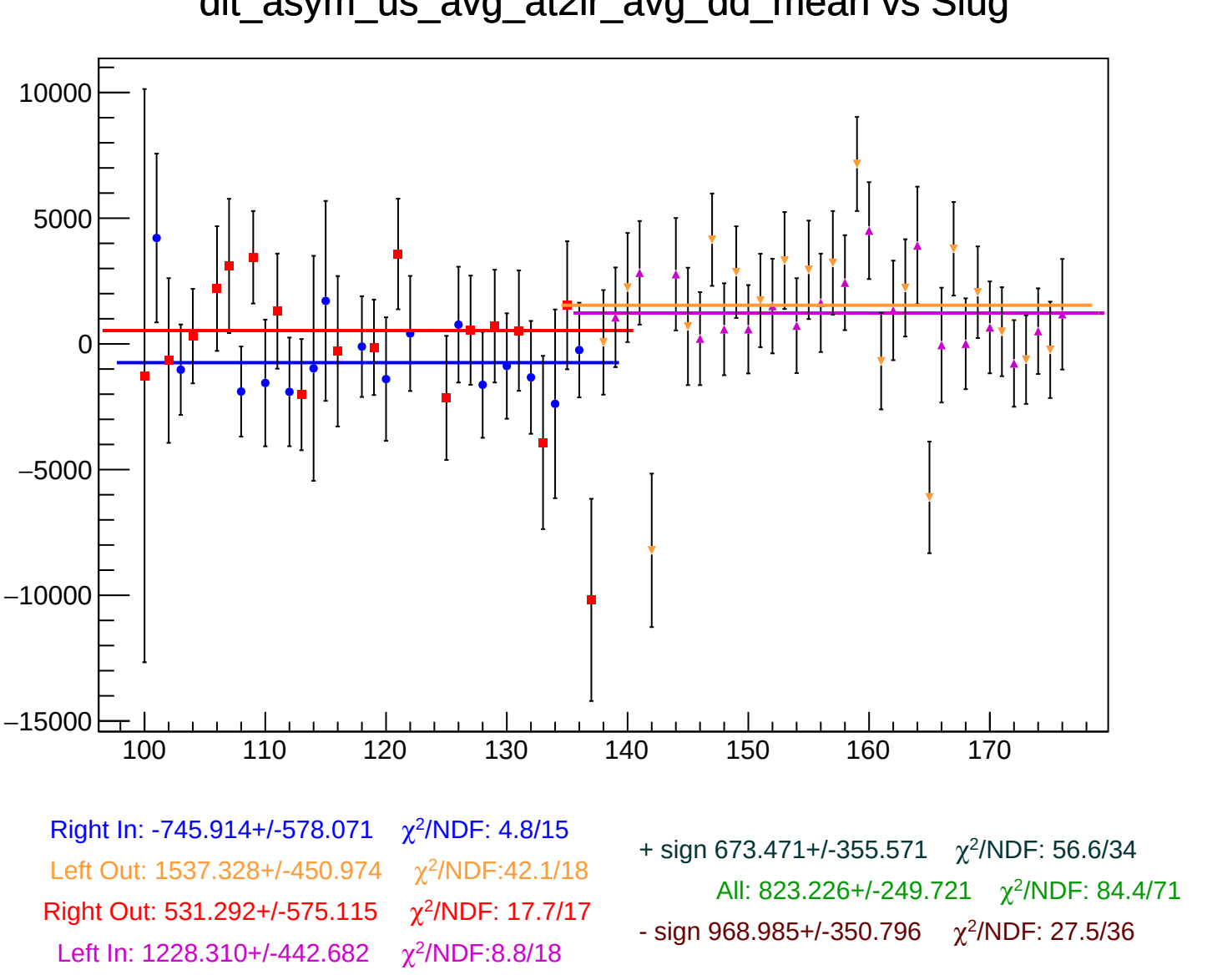
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7594.099+/-1.390 χ^2/NDF:1051756.1/18

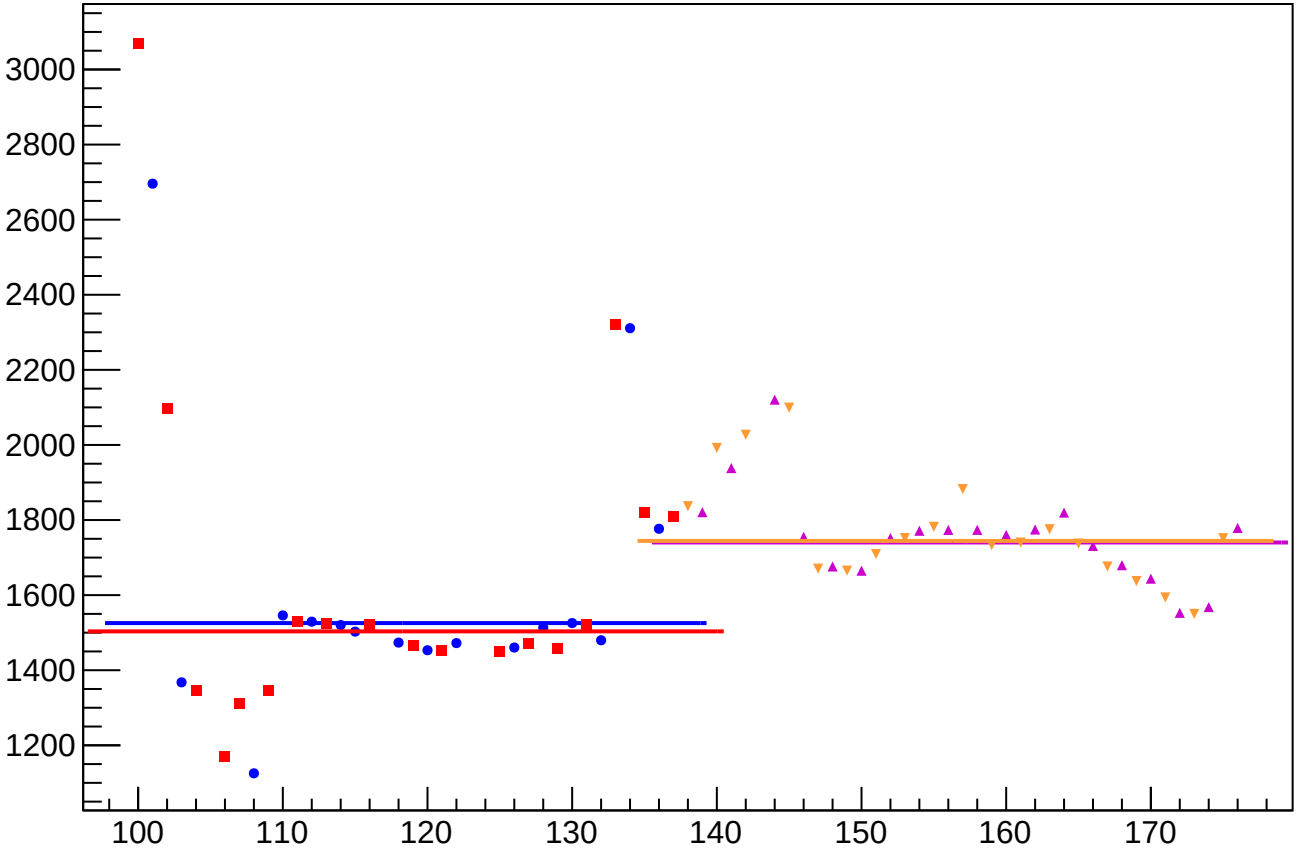
+ sign 6860.833+/-1.058 χ^2/NDF: 2013119.6/34

All: 6759.061+/-0.735 χ^2/NDF: 4780741.0/71

- sign 6663.994+/-1.022 χ^2/NDF: 2749717.0/36


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 1537.328+/-450.974 χ²/NDF:42.1/18
Right Out: 531.292+/-575.115 χ²/NDF: 17.7/17
Left In: 1228.310+/-442.682 χ²/NDF:8.8/18
+ sign 673.471+/-355.571 χ²/NDF: 56.6/34
All: 823.226+/-249.721 χ²/NDF: 84.4/71
- sign 968.985+/-350.796 χ²/NDF: 27.5/36

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1744.335+/-0.319 χ^2/NDF:159843.5/18

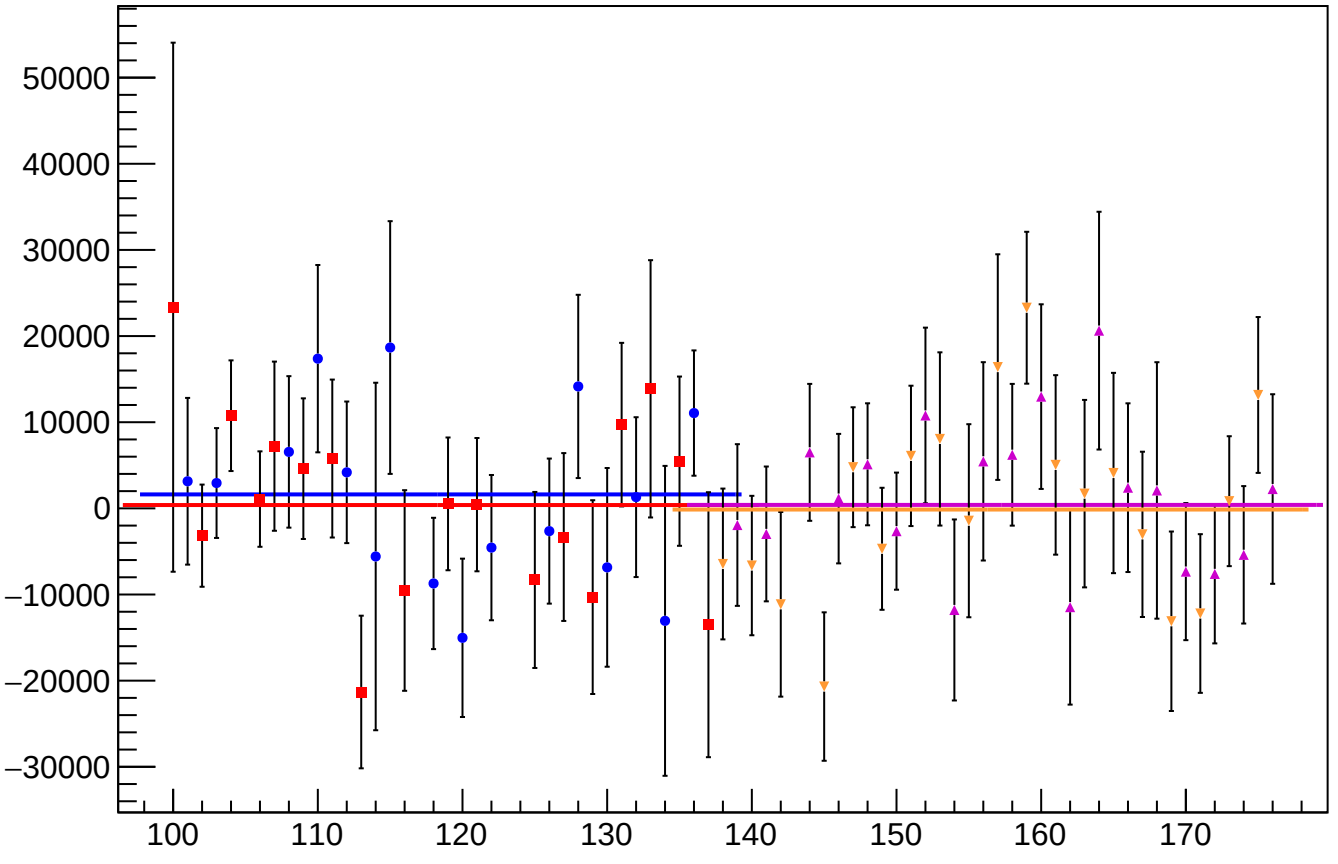
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1740.214+/-0.313 χ^2/NDF:143511.4/18

\+ sign 1661.553+/-0.251 χ^2/NDF: 826290.1/34

All: 1656.756+/-0.177 χ^2/NDF: 1521985.7/71

\- sign 1652.088+/-0.248 χ^2/NDF: 694977.4/36



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -136.718+/-2087.619 χ^2/NDF:24.7/18

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

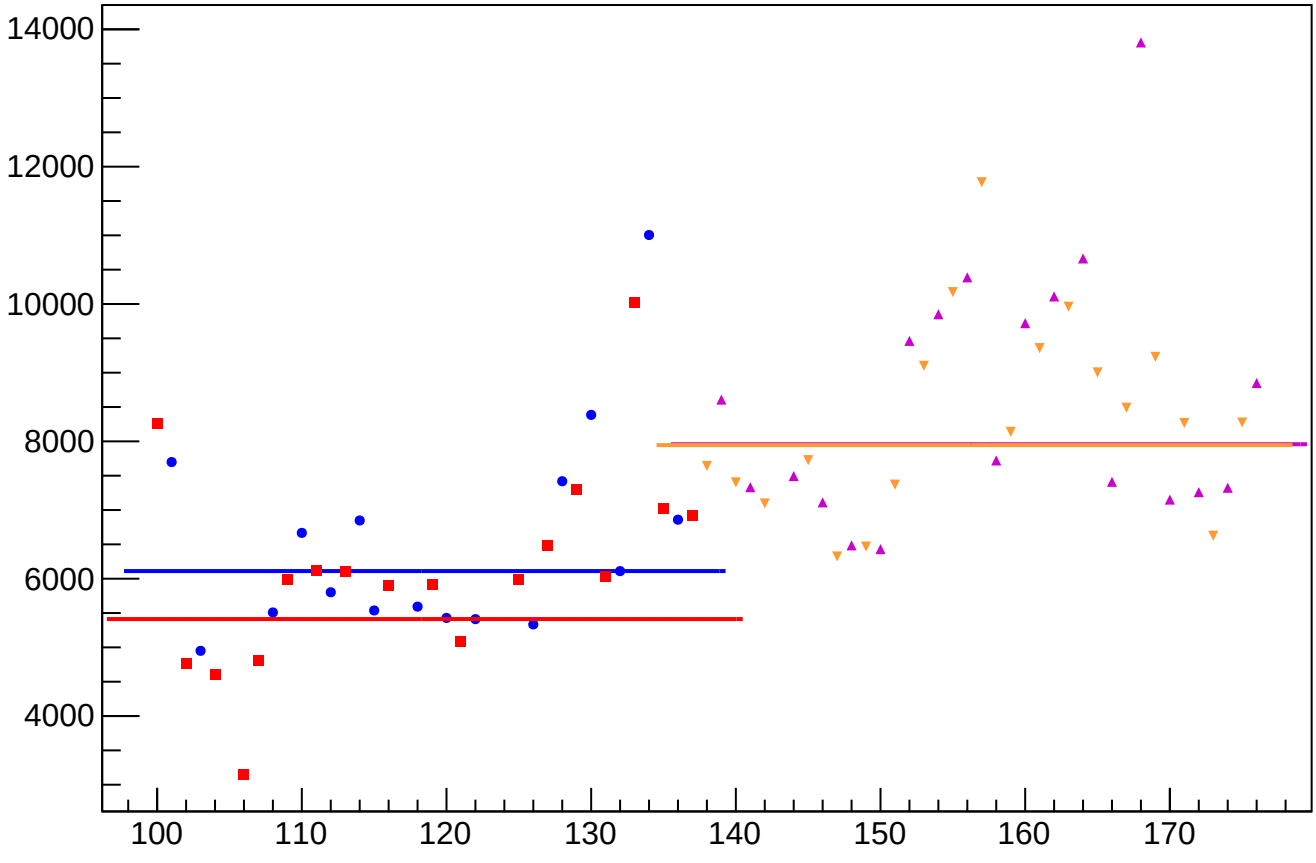
Left In: 401.090+/-2060.006 χ^2/NDF:11.7/18

\+ sign 649.293+/-1551.851 χ^2/NDF: 39.3/34

All: 513.347+/-1062.185 χ^2/NDF: 67.0/71

\- sign 393.519+/-1456.949 χ^2/NDF: 27.7/36

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: 7945.191+/-1.476 χ^2/NDF:733358.5/18

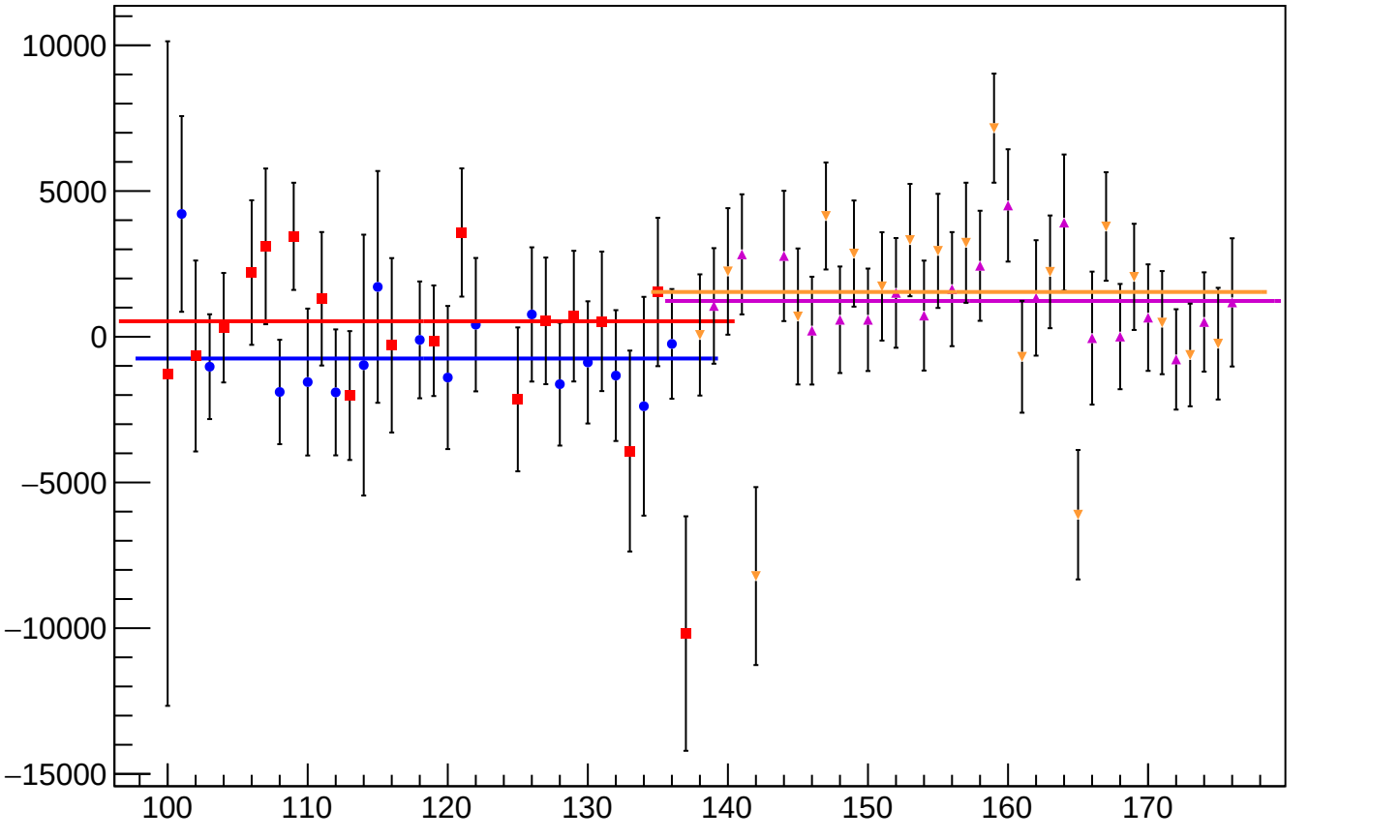
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7957.943+/-1.457 χ^2/NDF:1021068.2/18

+ sign 7124.559+/-1.097 χ^2/NDF: 1895754.8/34

All: 6891.270+/-0.751 χ^2/NDF: 5349847.9/71

- sign 6685.642+/-1.030 χ^2/NDF: 3369056.2/36



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1537.331+/-450.975 χ^2/NDF:42.1/18

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

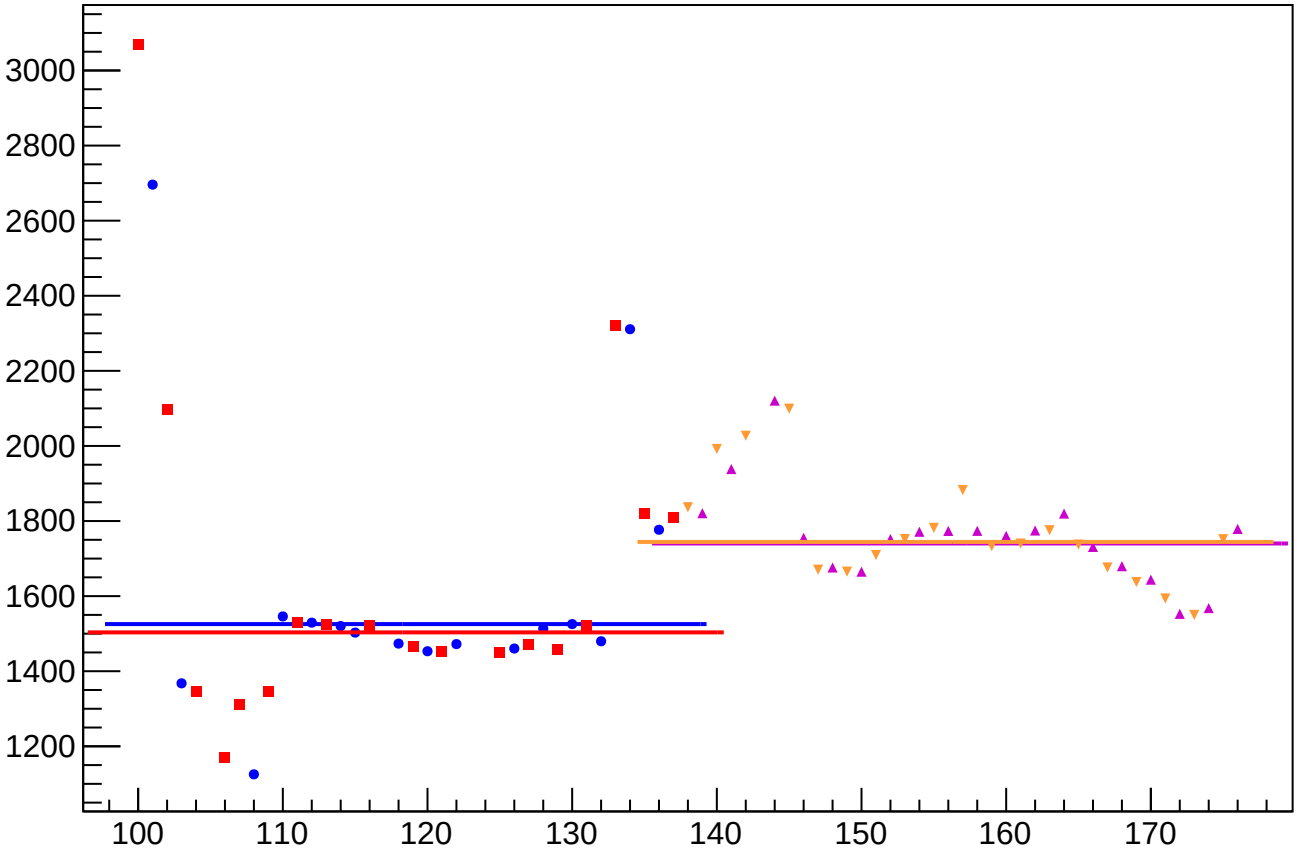
Left In: 1228.309+/-442.683 χ^2/NDF:8.8/18

+ sign 673.470+/-355.571 χ^2/NDF: 56.6/34

All: 823.226+/-249.721 χ^2/NDF: 84.4/71

- sign 968.987+/-350.796 χ^2/NDF: 27.5/36

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: 1744.337+/-0.319 χ^2/NDF:159848.6/18

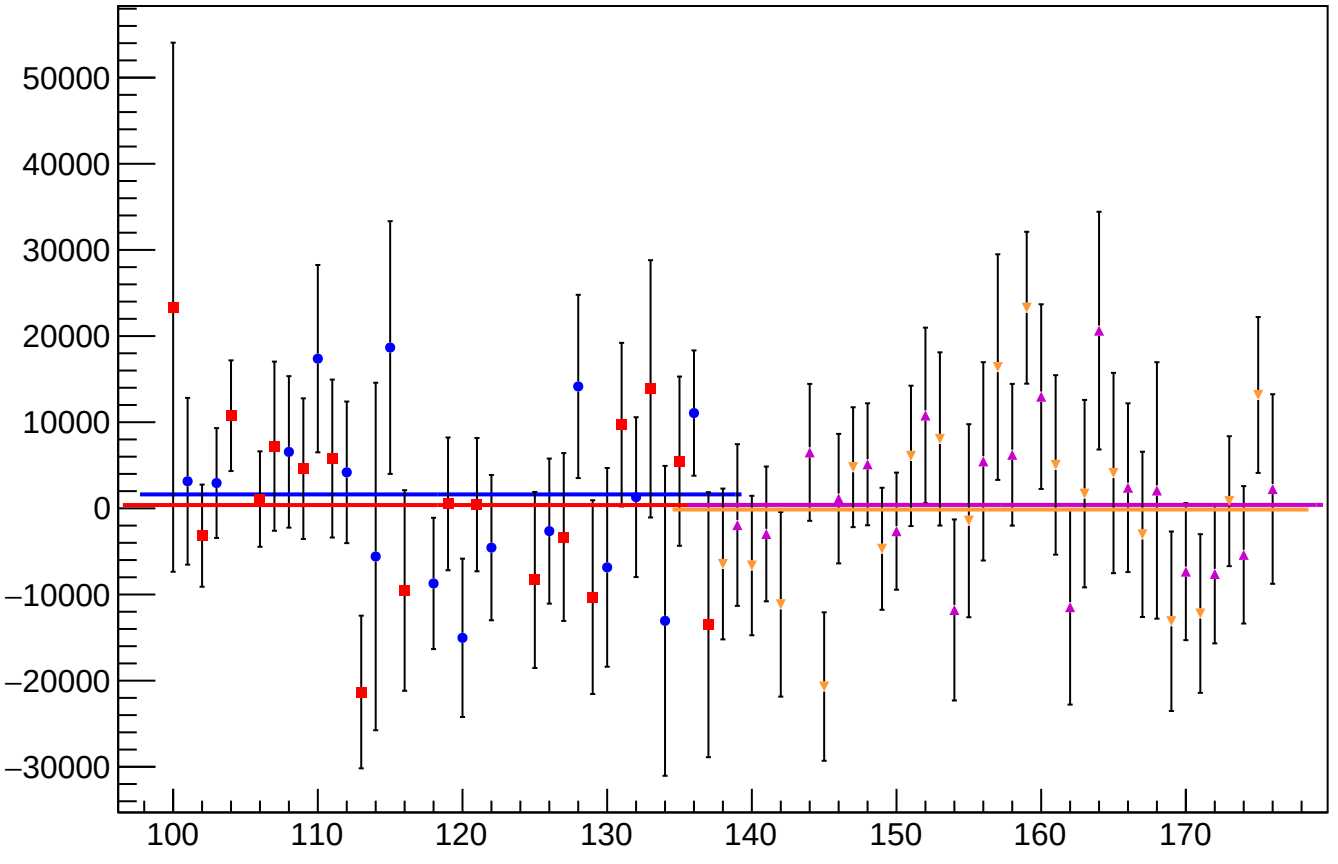
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1740.216+/-0.313 χ^2/NDF:143515.8/18

+ sign 1661.554+/-0.251 χ^2/NDF: 826297.1/34

All: 1656.757+/-0.177 χ^2/NDF: 1522000.5/71

- sign 1652.090+/-0.248 χ^2/NDF: 694985.2/36



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -136.718+/-2087.622 χ^2/NDF:24.7/18

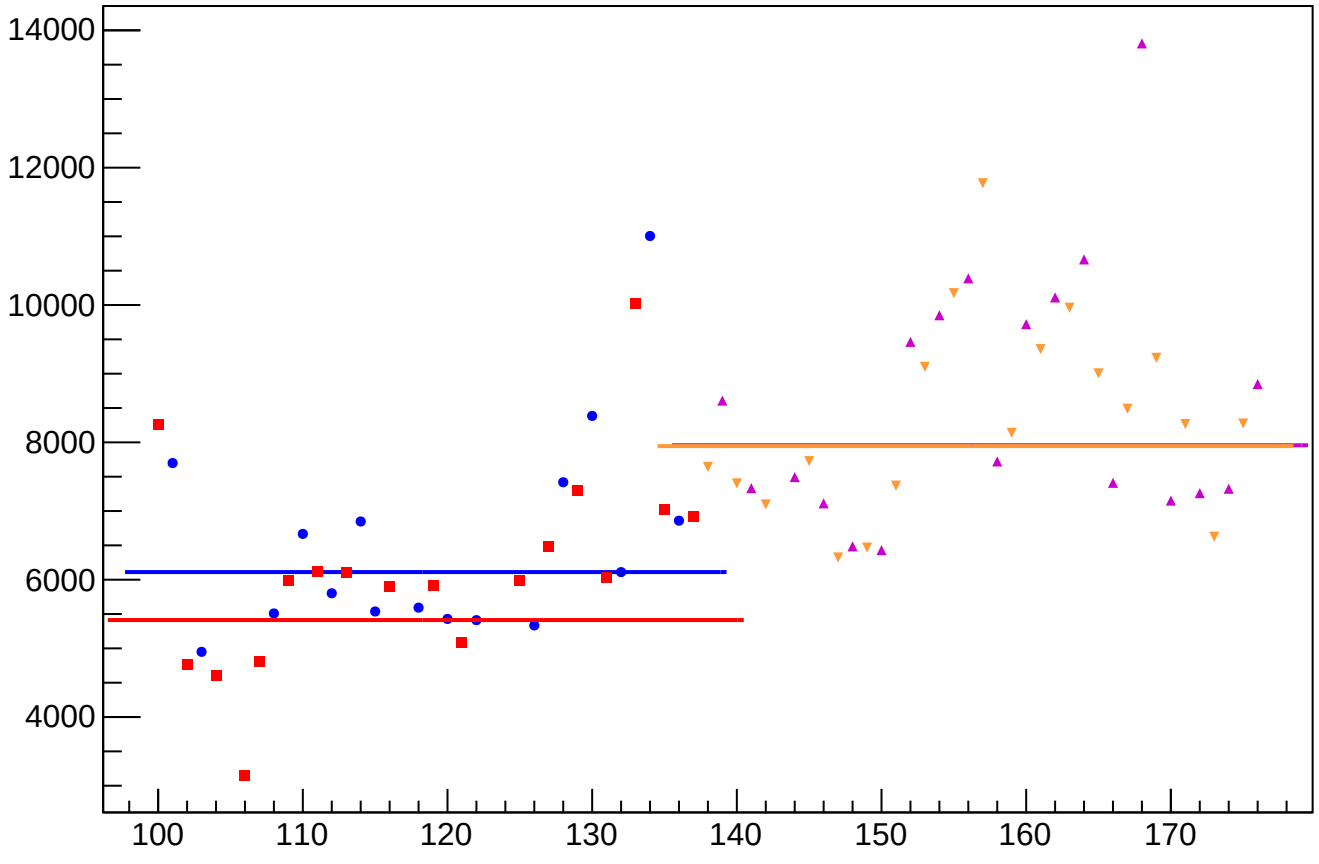
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 401.088+/-2060.009 χ^2/NDF:11.7/18

+ sign 649.287+/-1551.851 χ^2/NDF: 39.3/34

All: 513.345+/-1062.185 χ^2/NDF: 67.0/71

- sign 393.521+/-1456.948 χ^2/NDF: 27.7/36



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7945.203+/-1.476 χ^2/NDF:733359.1/18

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

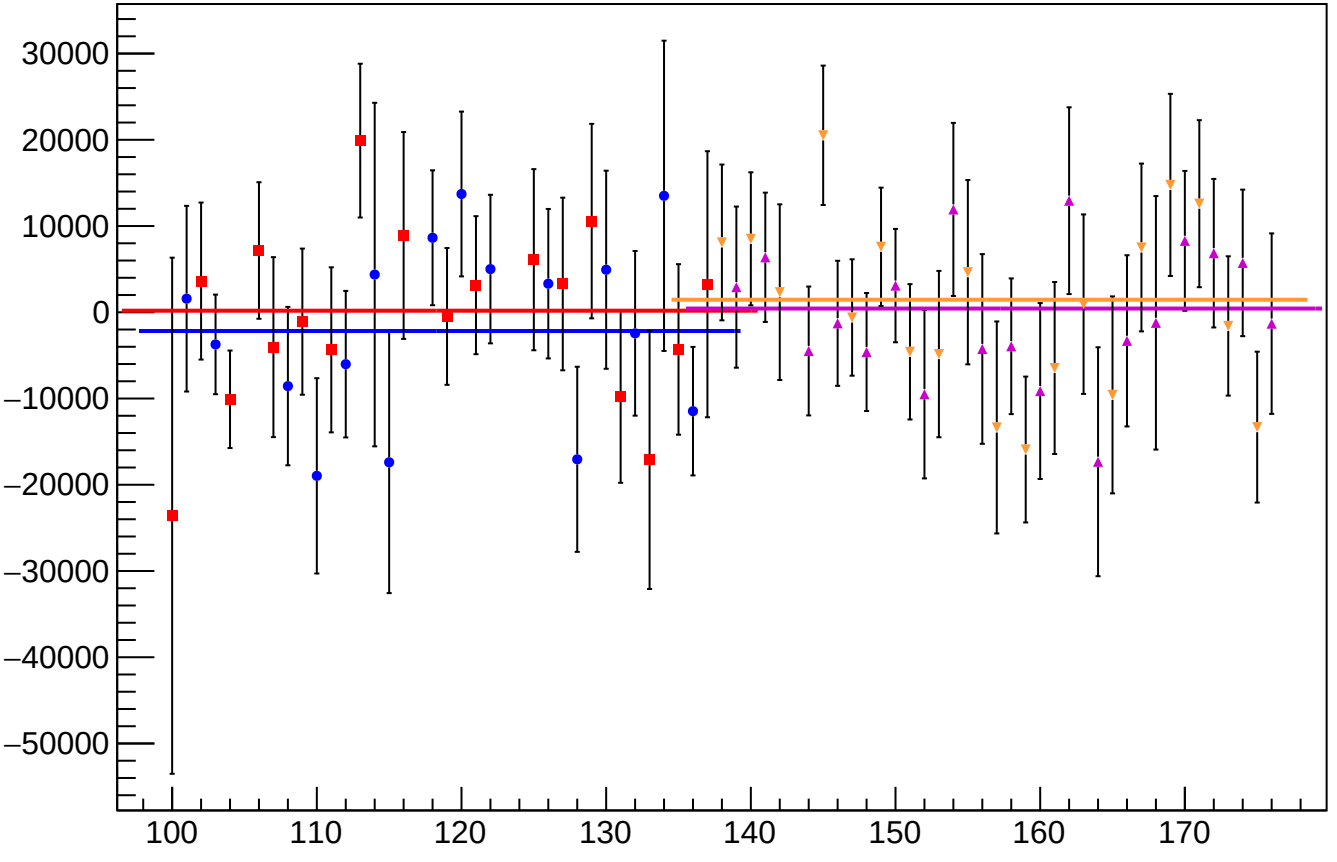
Left In: 7957.955+/-1.457 χ^2/NDF:1021070.2/18

+ sign 7124.557+/-1.097 χ^2/NDF: 1895777.7/34

All: 6891.267+/-0.751 χ^2/NDF: 5349901.8/71

- sign 6685.637+/-1.030 χ^2/NDF: 3369086.5/36

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1456.919+/-2044.893 χ^2/NDF:22.5/18

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

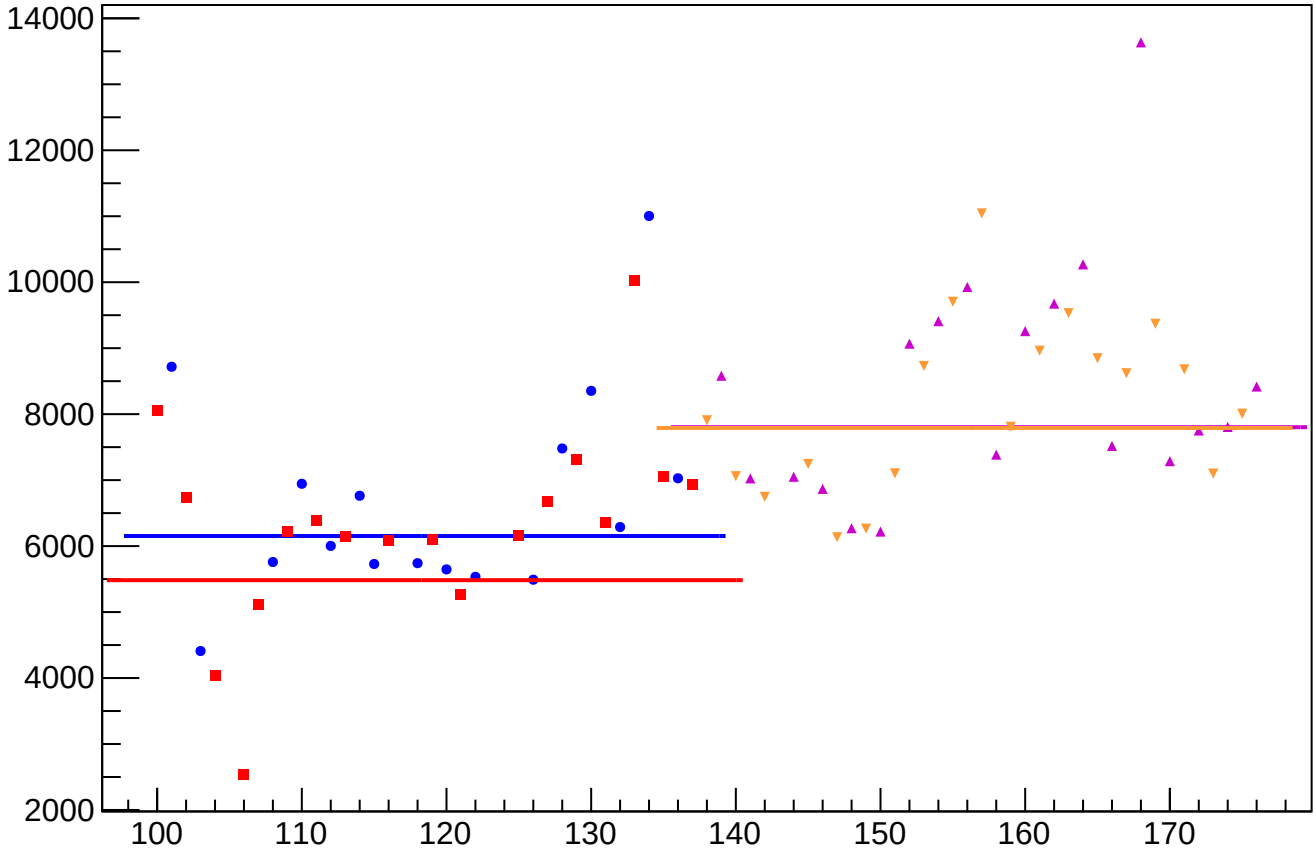
Left In: 431.863+/-2017.081 χ^2/NDF:10.8/18

\+ sign -109.472+/-1541.966 χ^2/NDF: 38.4/34

All: 111.855+/-1073.559 χ^2/NDF: 63.9/71

\- sign 320.066+/-1495.580 χ^2/NDF: 25.5/36

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7790.392+/-1.446 χ^2/NDF:698965.7/18

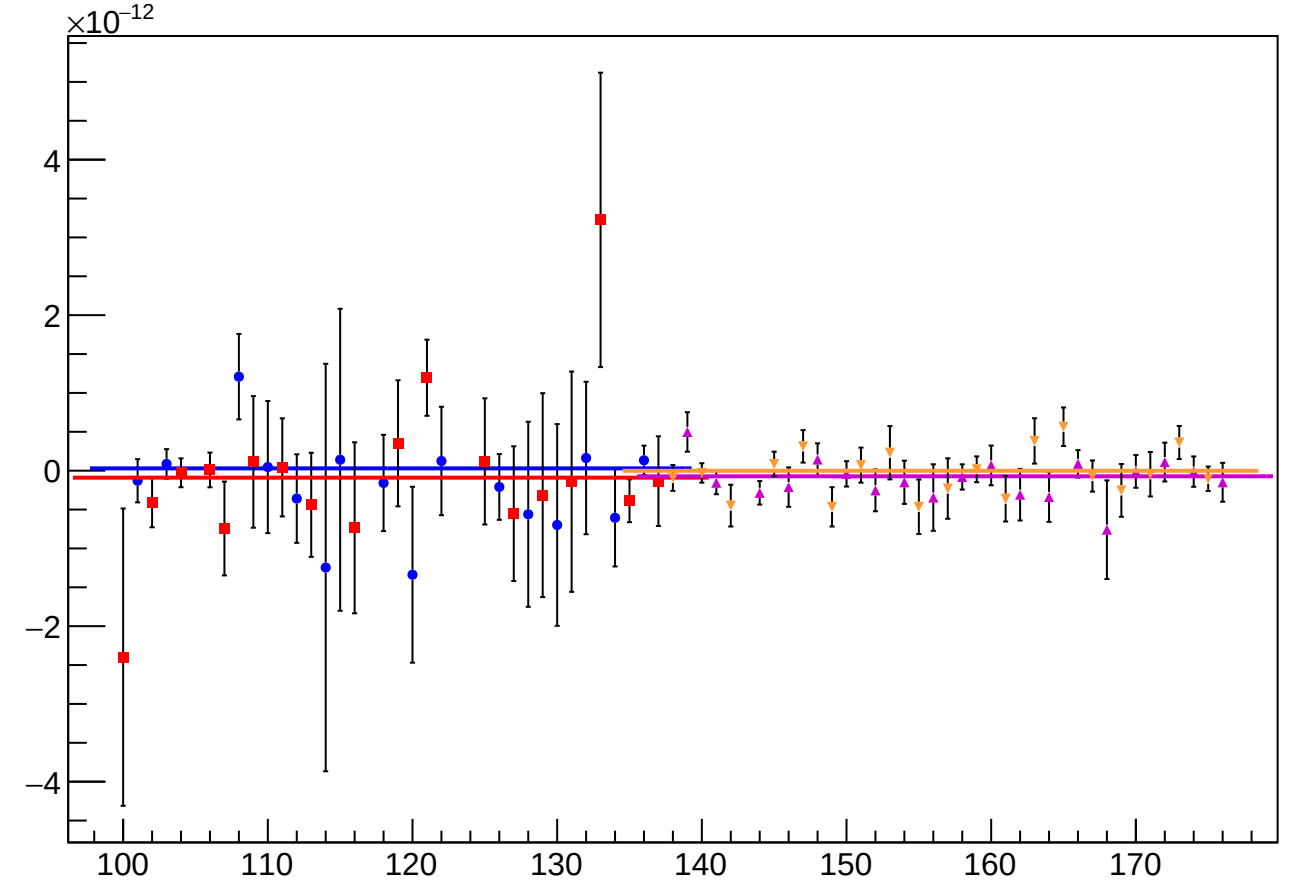
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7802.267+/-1.426 χ^2/NDF:971539.9/18

+ sign 7083.886+/-1.090 χ^2/NDF: 1876392.6/34

All: 6891.279+/-0.753 χ^2/NDF: 5294402.9/71

- sign 6716.071+/-1.040 χ^2/NDF: 3358419.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/18

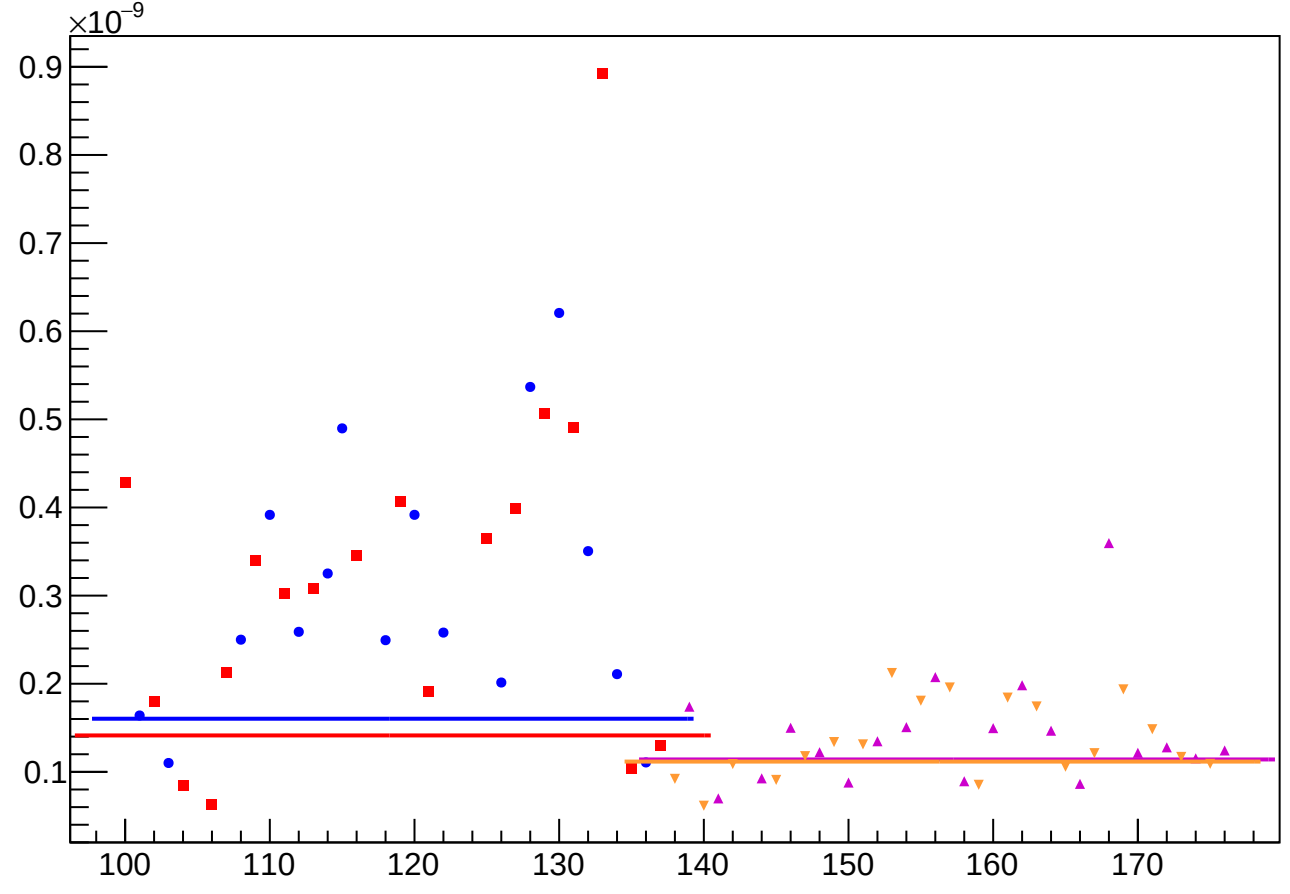
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:14.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 33.8/34

All: -0.000+/-0.000 χ^2/NDF: 65.9/71

- sign -0.000+/-0.000 χ^2/NDF: 30.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1181605.1/18

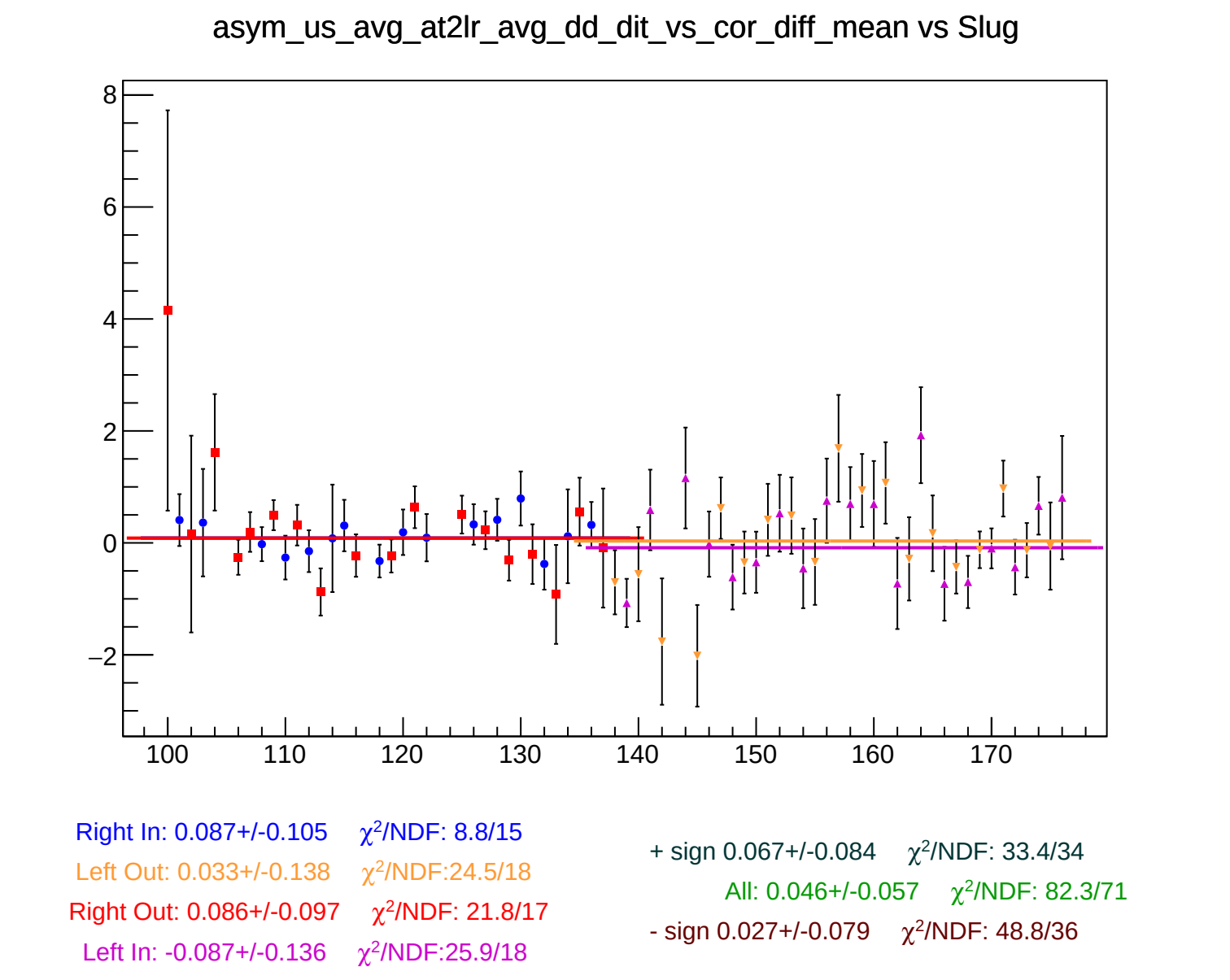
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

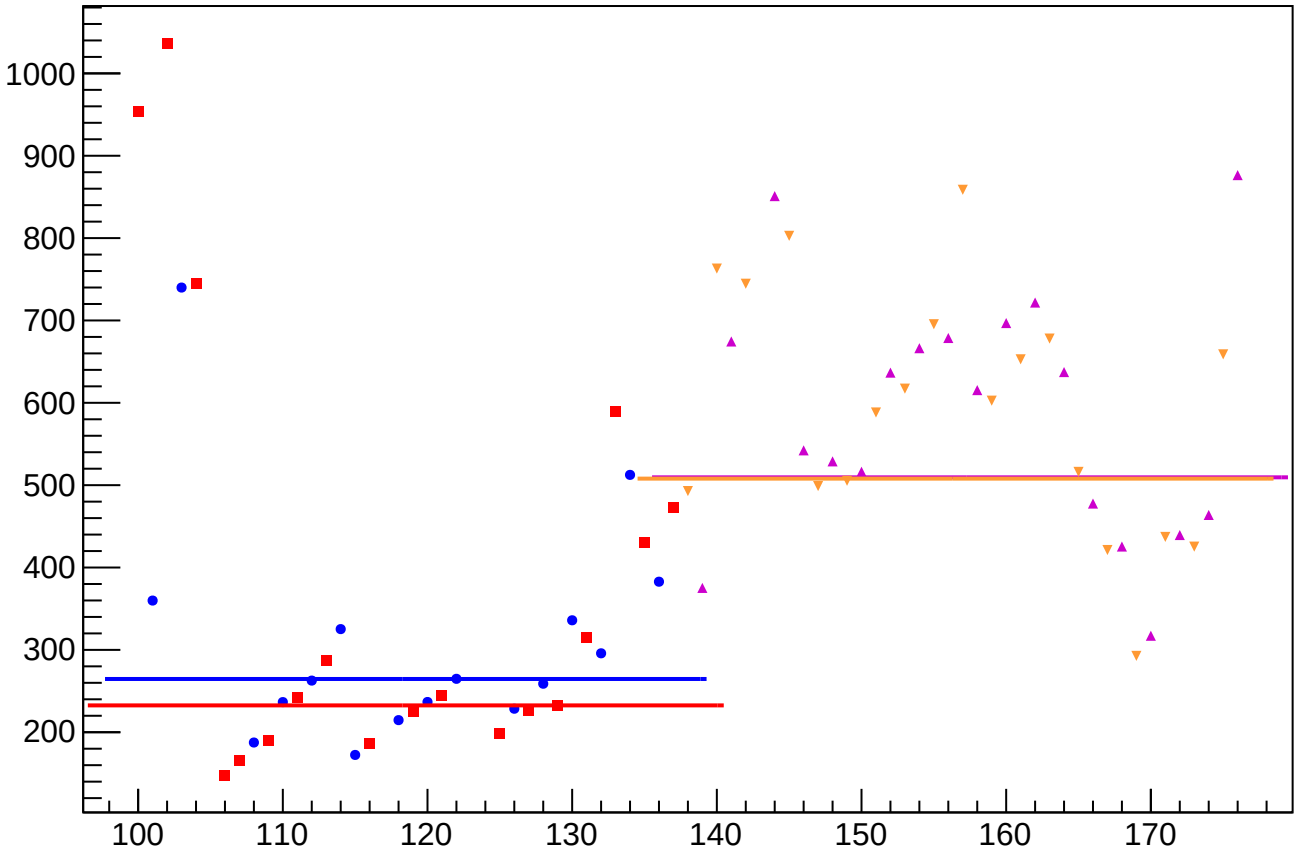
Left In: 0.000+/-0.000 χ^2/NDF:1163048.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 2871196.3/34

All: 0.000+/-0.000 χ^2/NDF: 6315065.6/71

- sign 0.000+/-0.000 χ^2/NDF: 3443168.3/36


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.033+/-0.138 χ²/NDF:24.5/18
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.087+/-0.136 χ²/NDF:25.9/18
+ sign 0.067+/-0.084 χ²/NDF: 33.4/34
All: 0.046+/-0.057 χ²/NDF: 82.3/71
- sign 0.027+/-0.079 χ²/NDF: 48.8/36



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 507.949+/-0.098 χ^2/NDF:2286558.6/18

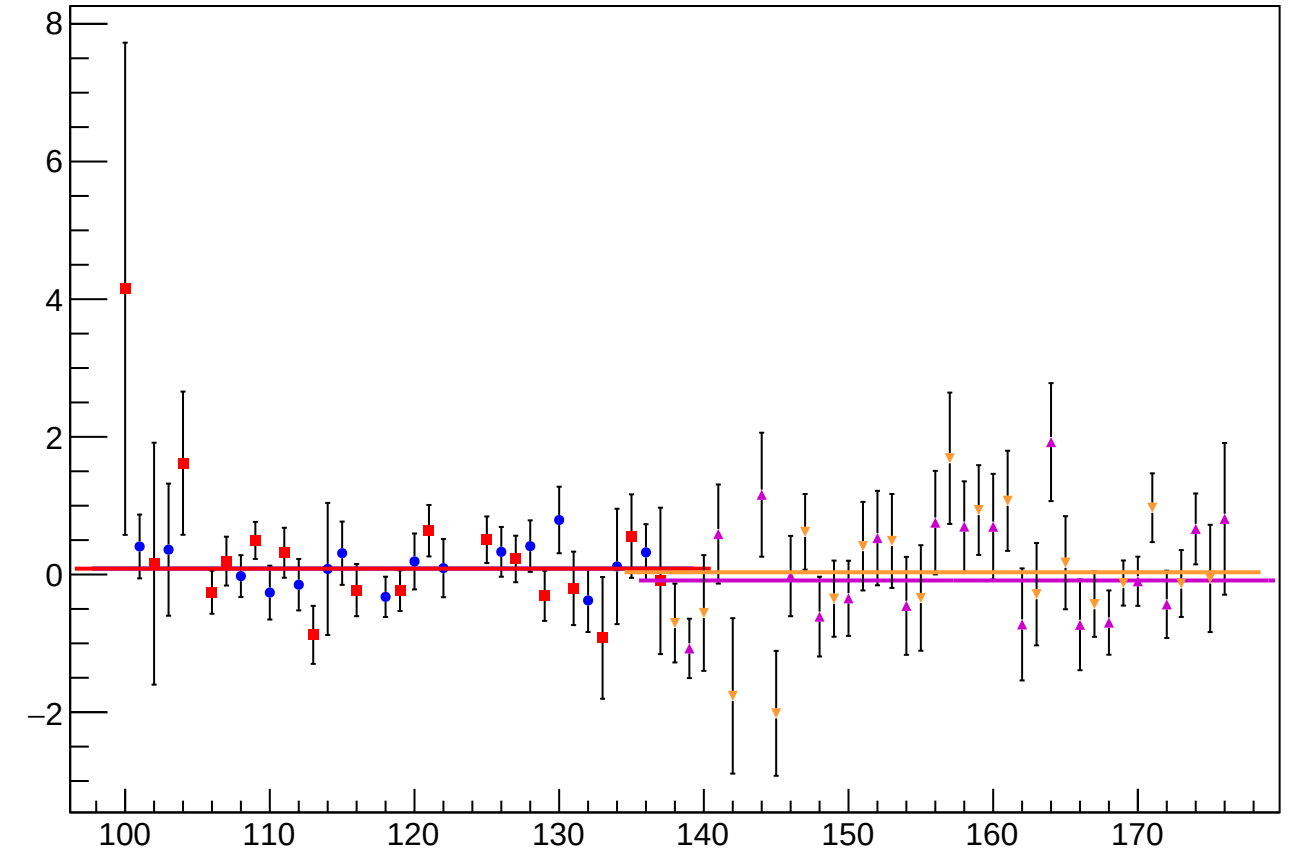
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 509.518+/-0.096 χ^2/NDF:2142026.6/18

+ sign 353.717+/-0.059 χ^2/NDF: 7494752.0/34

All: 339.306+/-0.041 χ^2/NDF: 17265817.7/71

- sign 326.408+/-0.056 χ^2/NDF: 9658618.5/36



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.033+/-0.138 χ^2/NDF:24.5/18

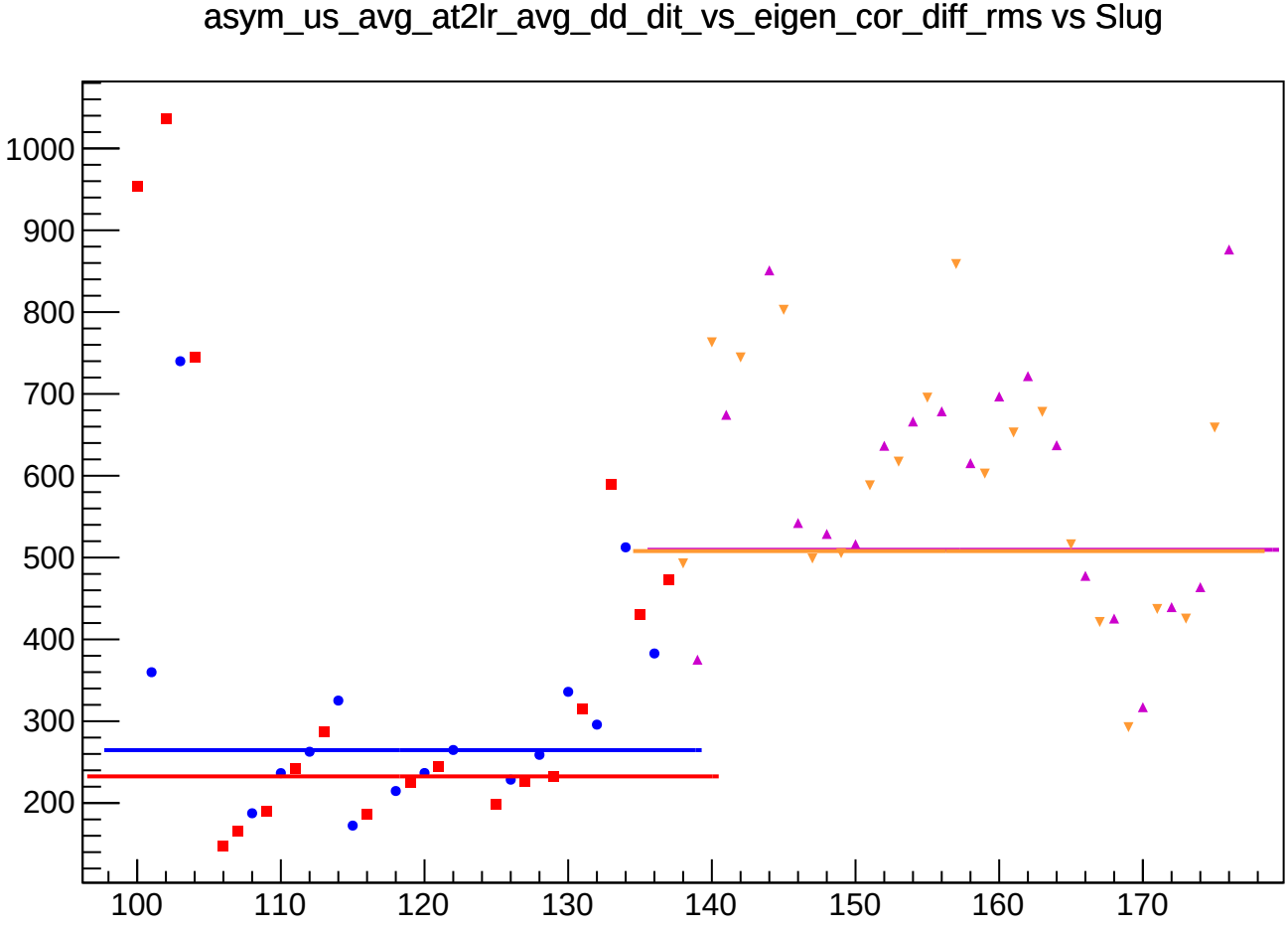
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.087+/-0.136 χ^2/NDF:25.9/18

+ sign 0.067+/-0.084 χ^2/NDF: 33.4/34

All: 0.046+/-0.057 χ^2/NDF: 82.3/71

- sign 0.027+/-0.079 χ^2/NDF: 48.8/36



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 507.949+/-0.098 χ^2/NDF:2286558.6/18

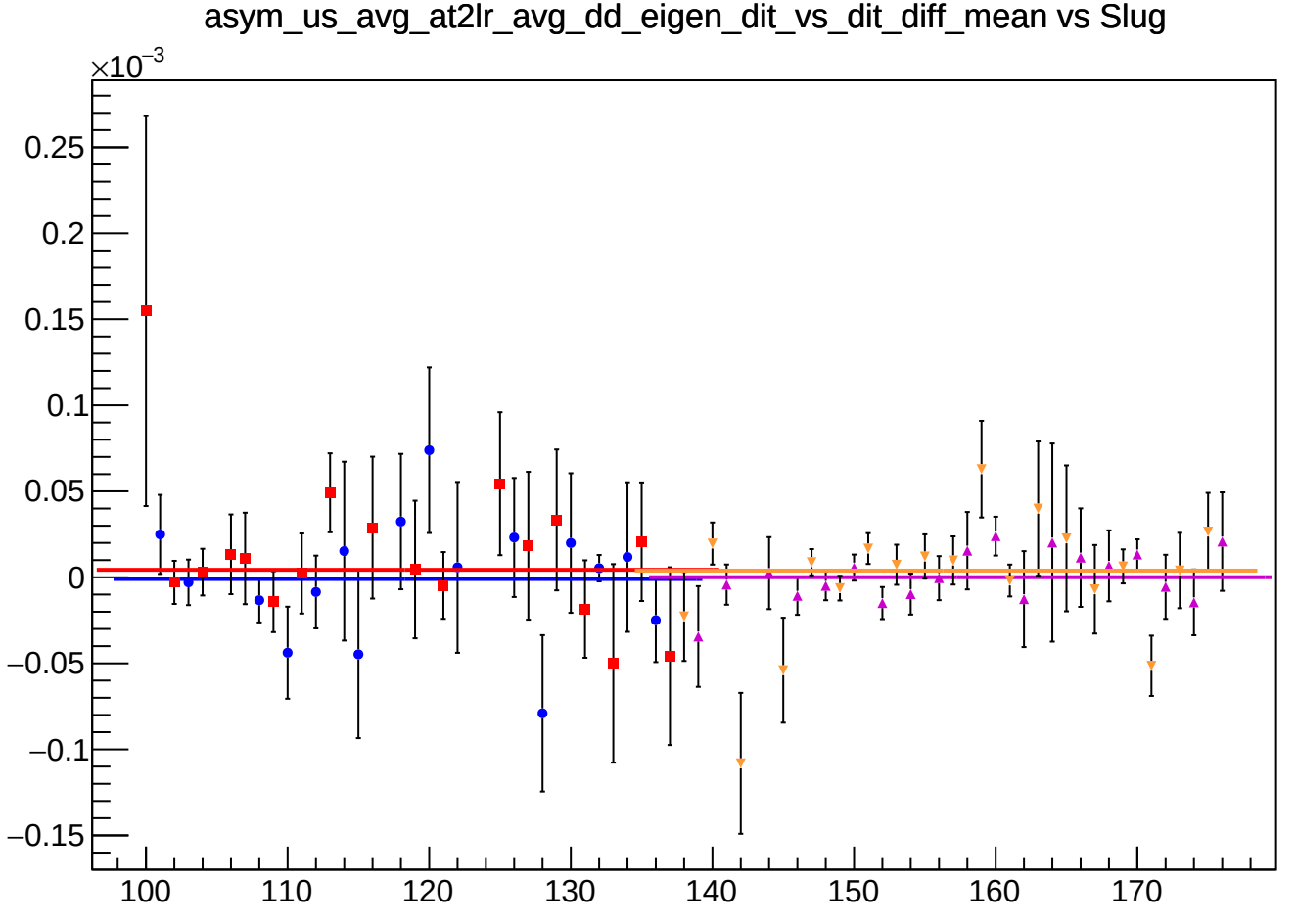
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 509.518+/-0.096 χ^2/NDF:2142026.6/18

+ sign 353.717+/-0.059 χ^2/NDF: 7494752.0/34

All: 339.306+/-0.041 χ^2/NDF: 17265817.7/71

- sign 326.408+/-0.056 χ^2/NDF: 9658618.5/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.0/18

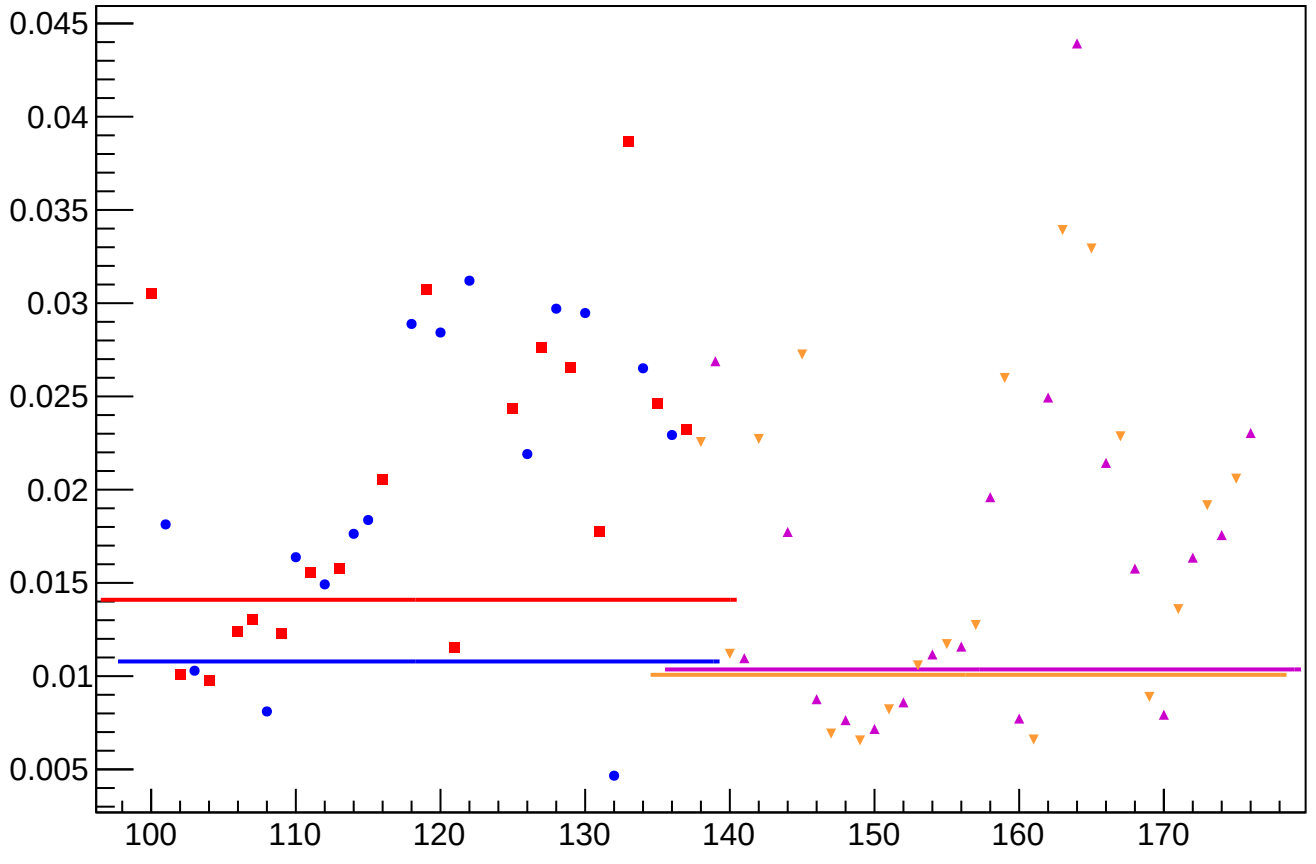
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:15.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 51.1/34

All: 0.000+/-0.000 χ^2/NDF: 79.9/71

- sign 0.000+/-0.000 χ^2/NDF: 28.7/36



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:5961242.8/18

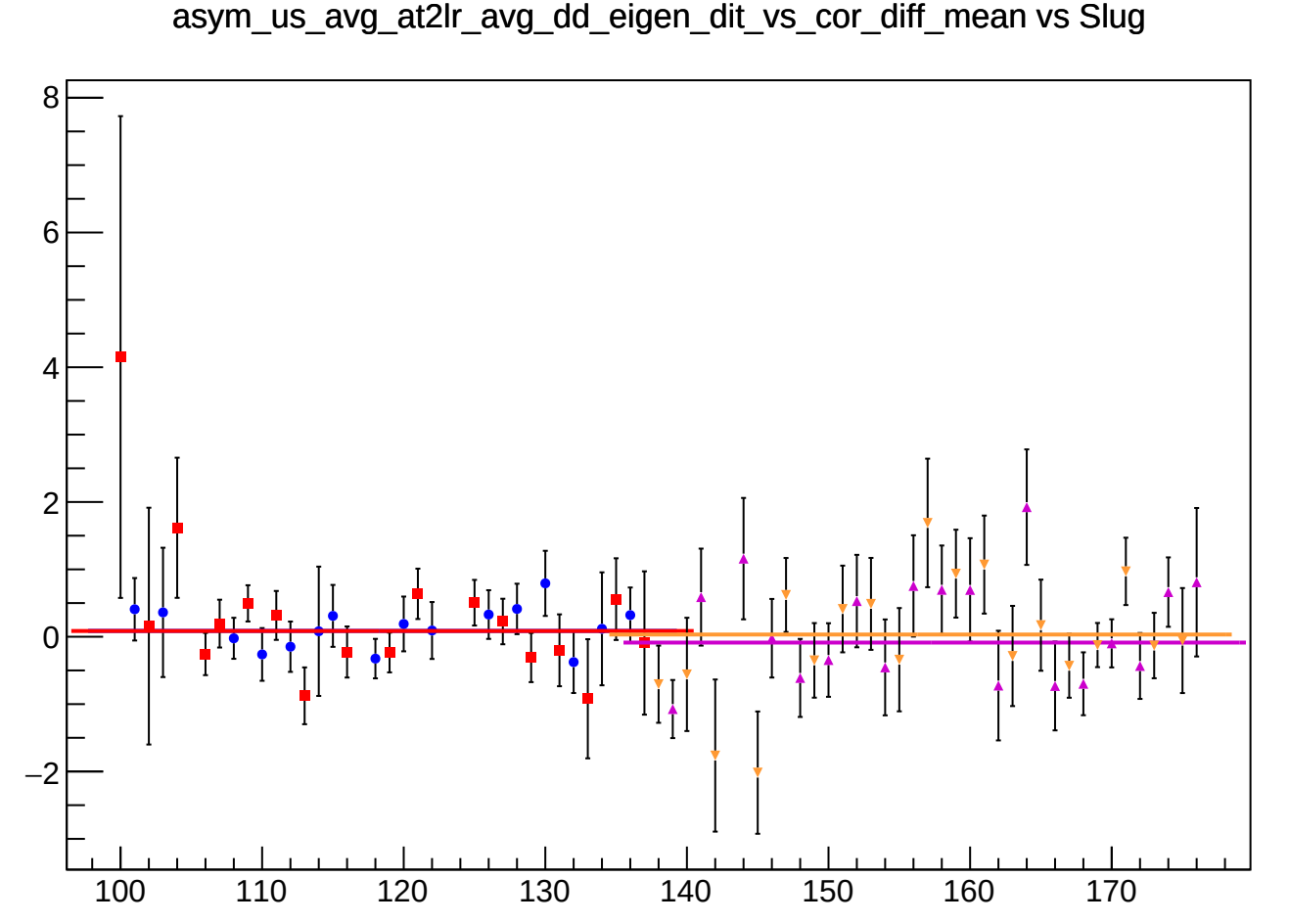
Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

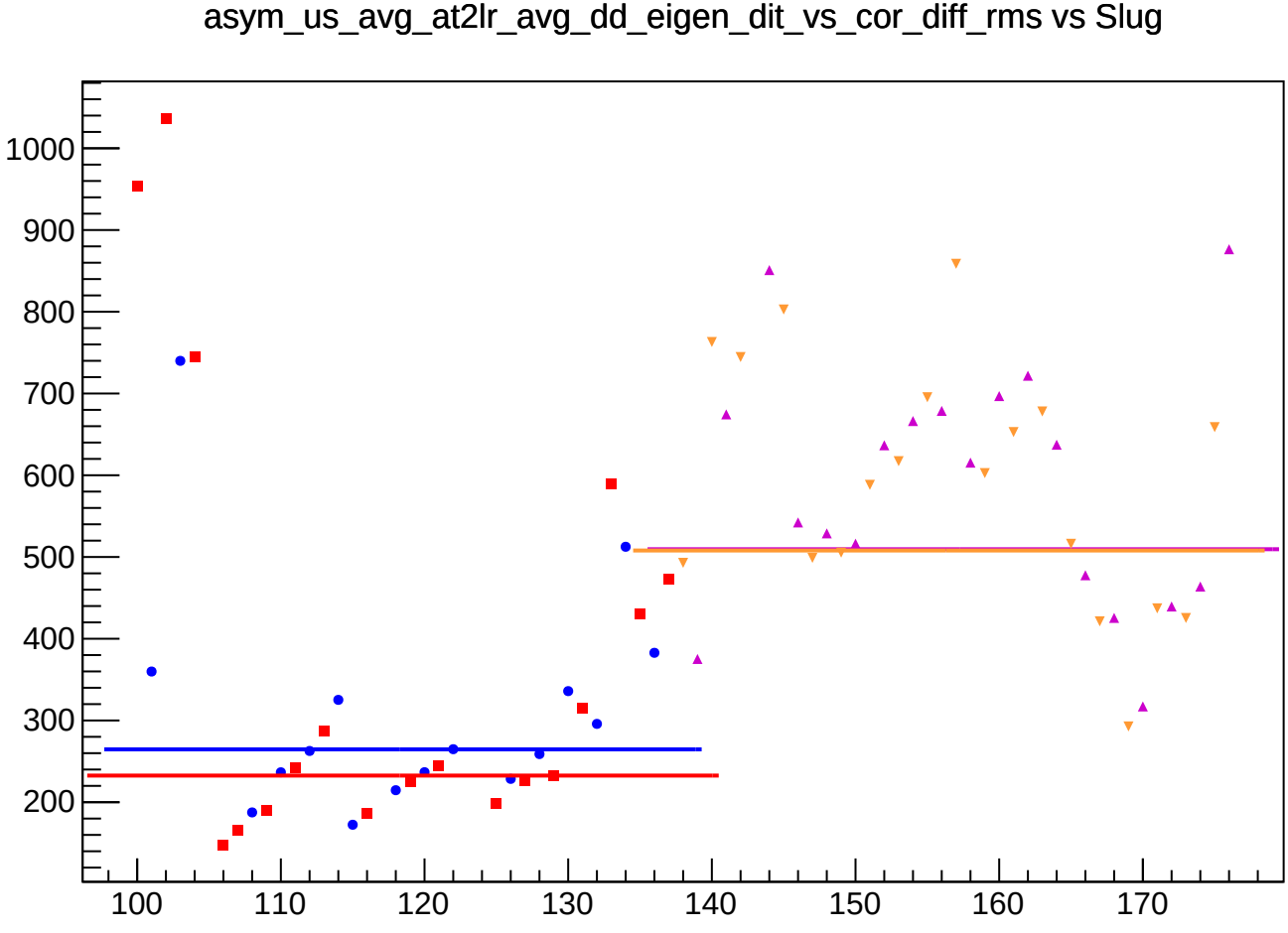
Left In: 0.010+/-0.000 χ^2/NDF:4744495.0/18

+ sign 0.010+/-0.000 χ^2/NDF: 10571772.5/34

All: 0.011+/-0.000 χ^2/NDF: 18186493.1/71

- sign 0.011+/-0.000 χ^2/NDF: 7495041.1/36


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.033+/-0.138 χ²/NDF:24.5/18
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.087+/-0.136 χ²/NDF:25.9/18
+ sign 0.067+/-0.084 χ²/NDF: 33.4/34
All: 0.046+/-0.057 χ²/NDF: 82.3/71
- sign 0.027+/-0.079 χ²/NDF: 48.8/36



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 507.949+/-0.098 χ^2/NDF:2286684.0/18

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

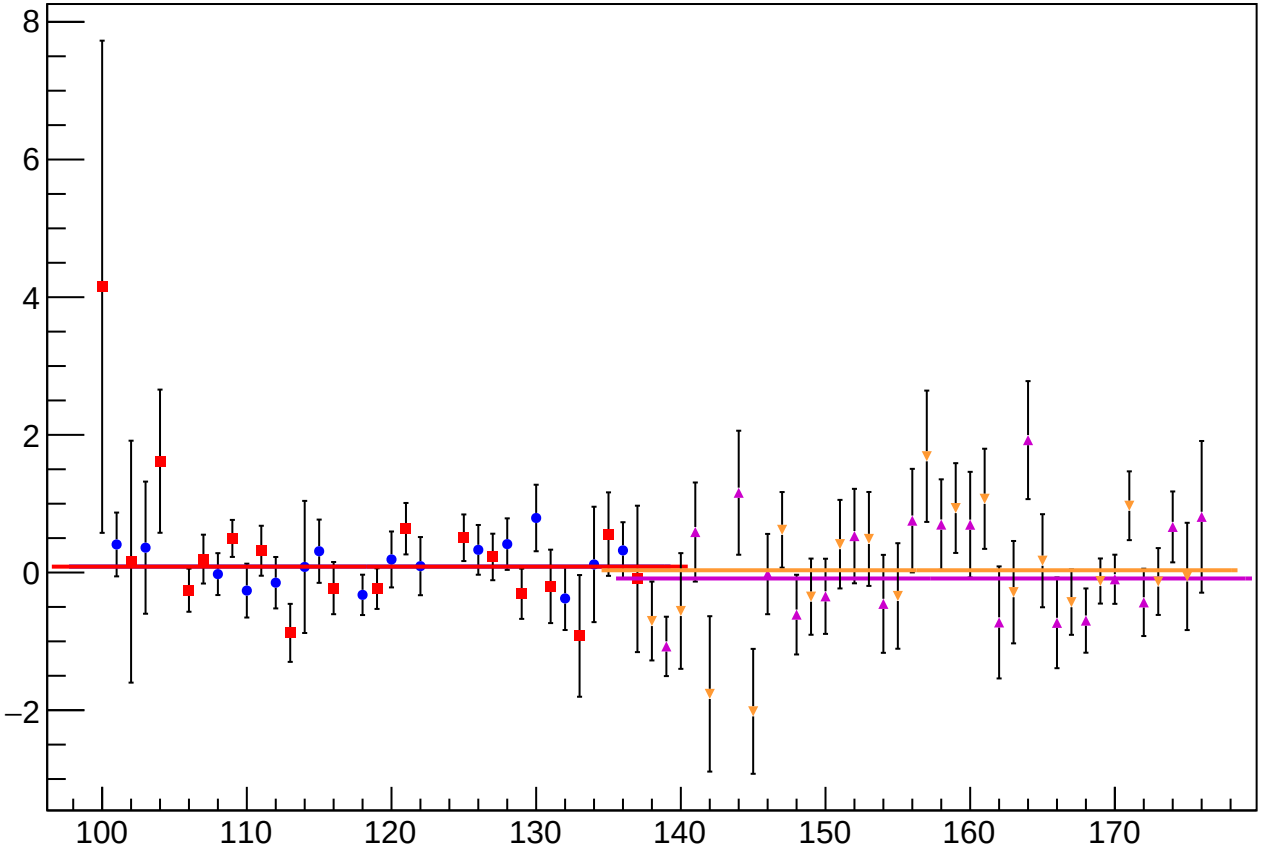
Left In: 509.521+/-0.096 χ^2/NDF:2142084.5/18

+ sign 353.717+/-0.059 χ^2/NDF: 7494852.5/34

All: 339.306+/-0.041 χ^2/NDF: 17265991.5/71

- sign 326.409+/-0.056 χ^2/NDF: 9658703.4/36

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.033+/-0.138 χ^2/NDF:24.5/18

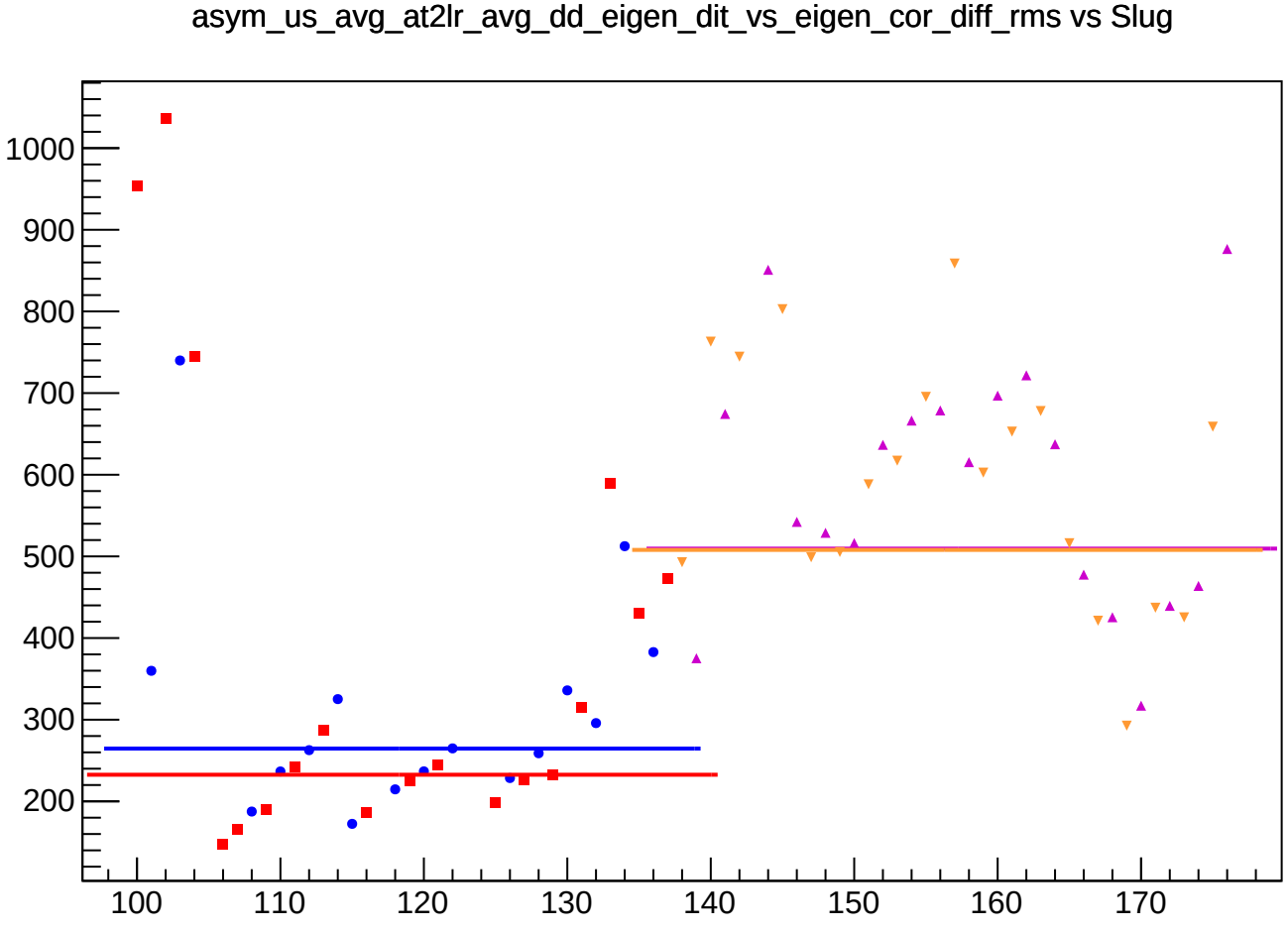
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.087+/-0.136 χ^2/NDF:25.9/18

+ sign 0.067+/-0.084 χ^2/NDF: 33.4/34

All: 0.046+/-0.057 χ^2/NDF: 82.3/71

- sign 0.027+/-0.079 χ^2/NDF: 48.8/36



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 507.949+/-0.098 χ^2/NDF:2286684.0/18

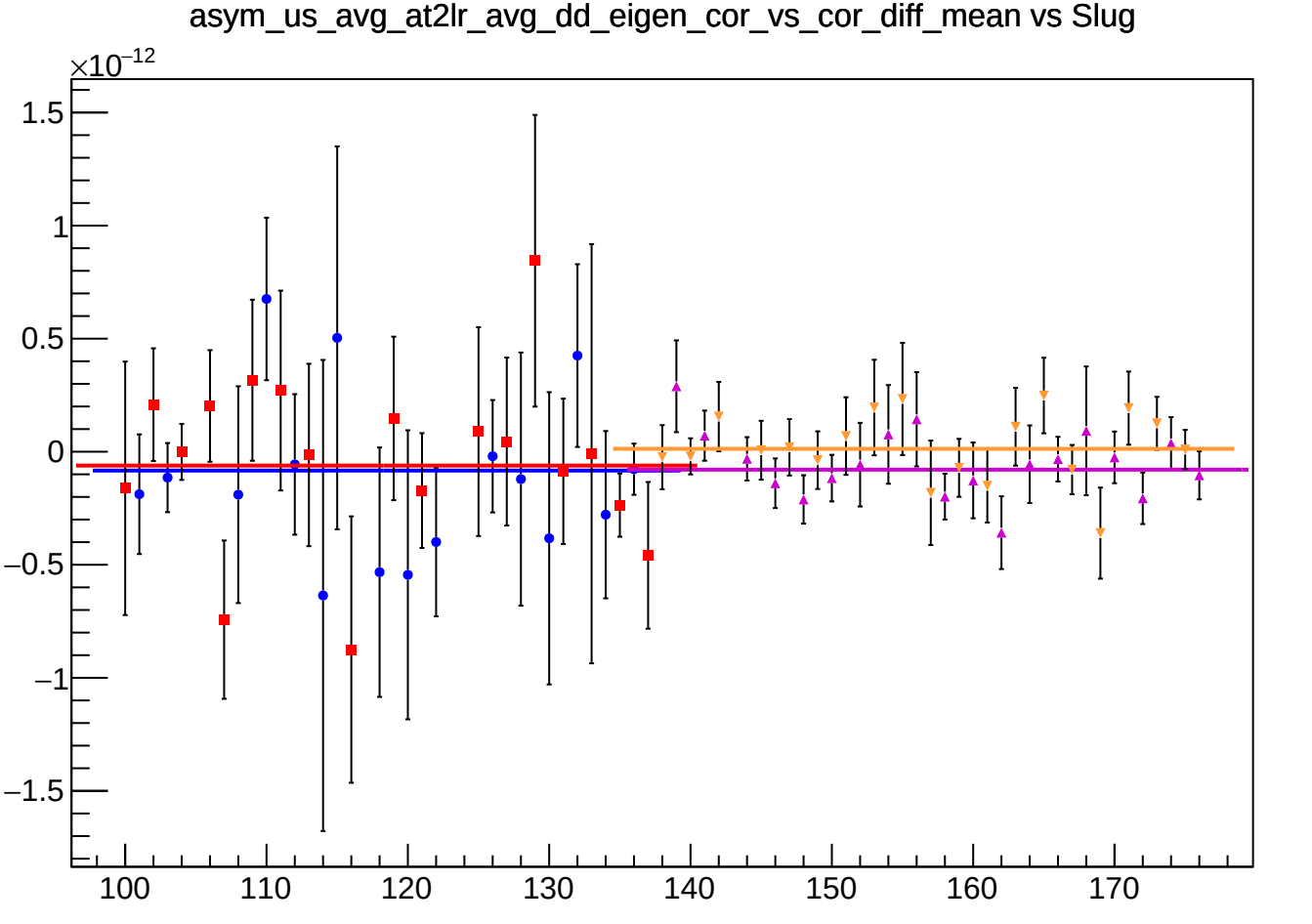
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 509.521+/-0.096 χ^2/NDF:2142084.5/18

+ sign 353.717+/-0.059 χ^2/NDF: 7494852.5/34

All: 339.306+/-0.041 χ^2/NDF: 17265991.5/71

- sign 326.409+/-0.056 χ^2/NDF: 9658703.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/18

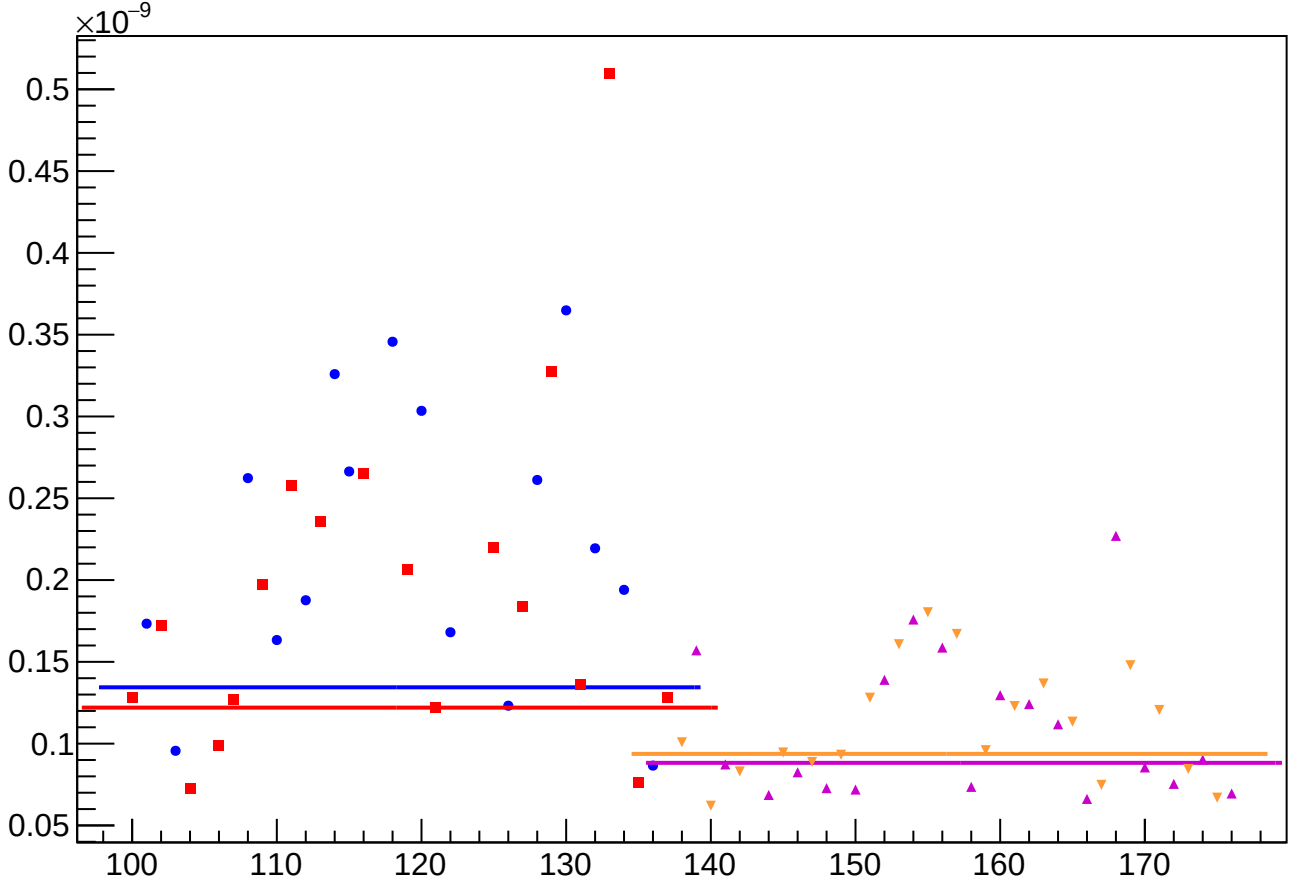
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:16.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 25.0/34

All: -0.000+/-0.000 χ^2/NDF: 61.0/71

- sign -0.000+/-0.000 χ^2/NDF: 32.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1741386.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

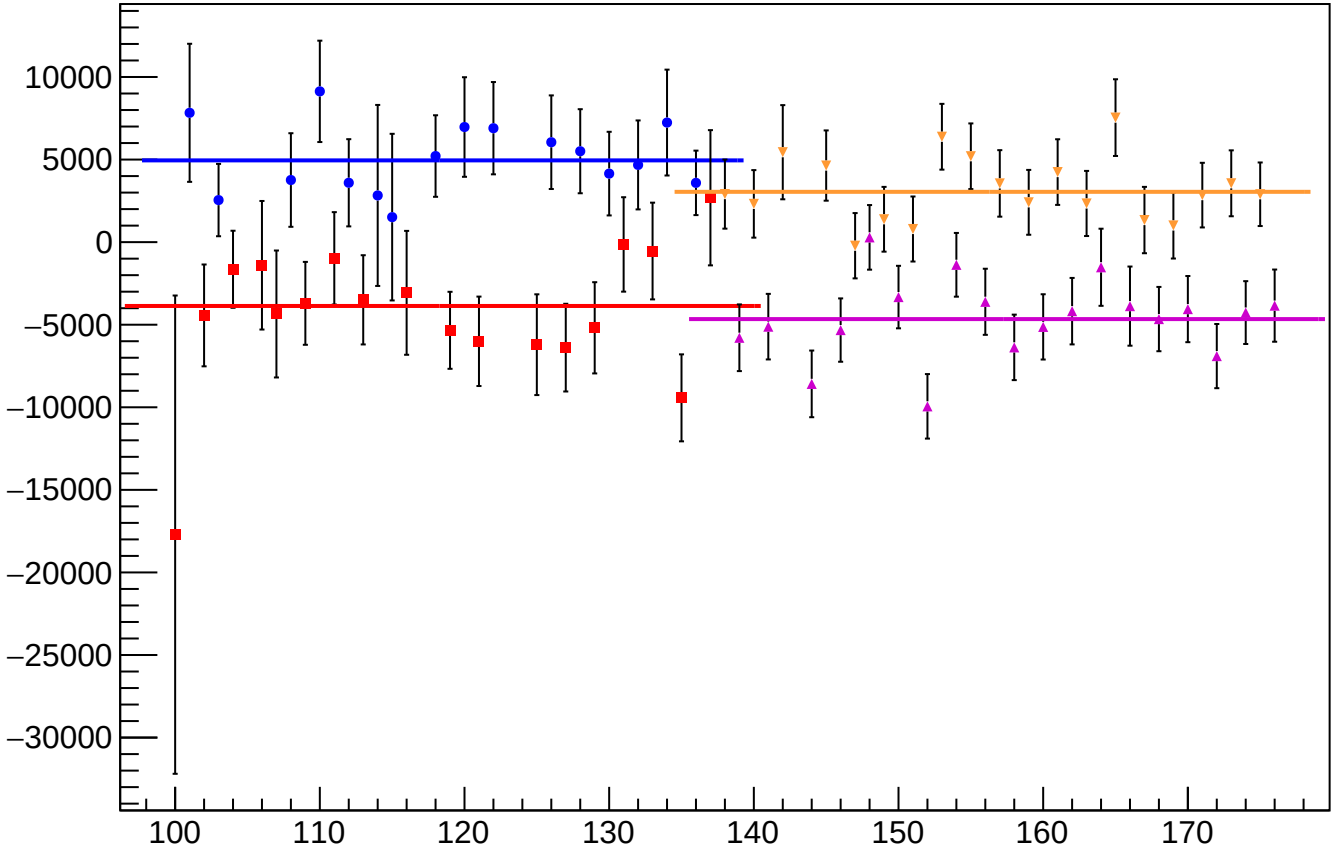
Left In: 0.000+/-0.000 χ^2/NDF:2078598.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 4135710.6/34

All: 0.000+/-0.000 χ^2/NDF: 8731674.7/71

- sign 0.000+/-0.000 χ^2/NDF: 4537602.2/36

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3046.635+/-467.679 χ^2/NDF:16.4/18

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

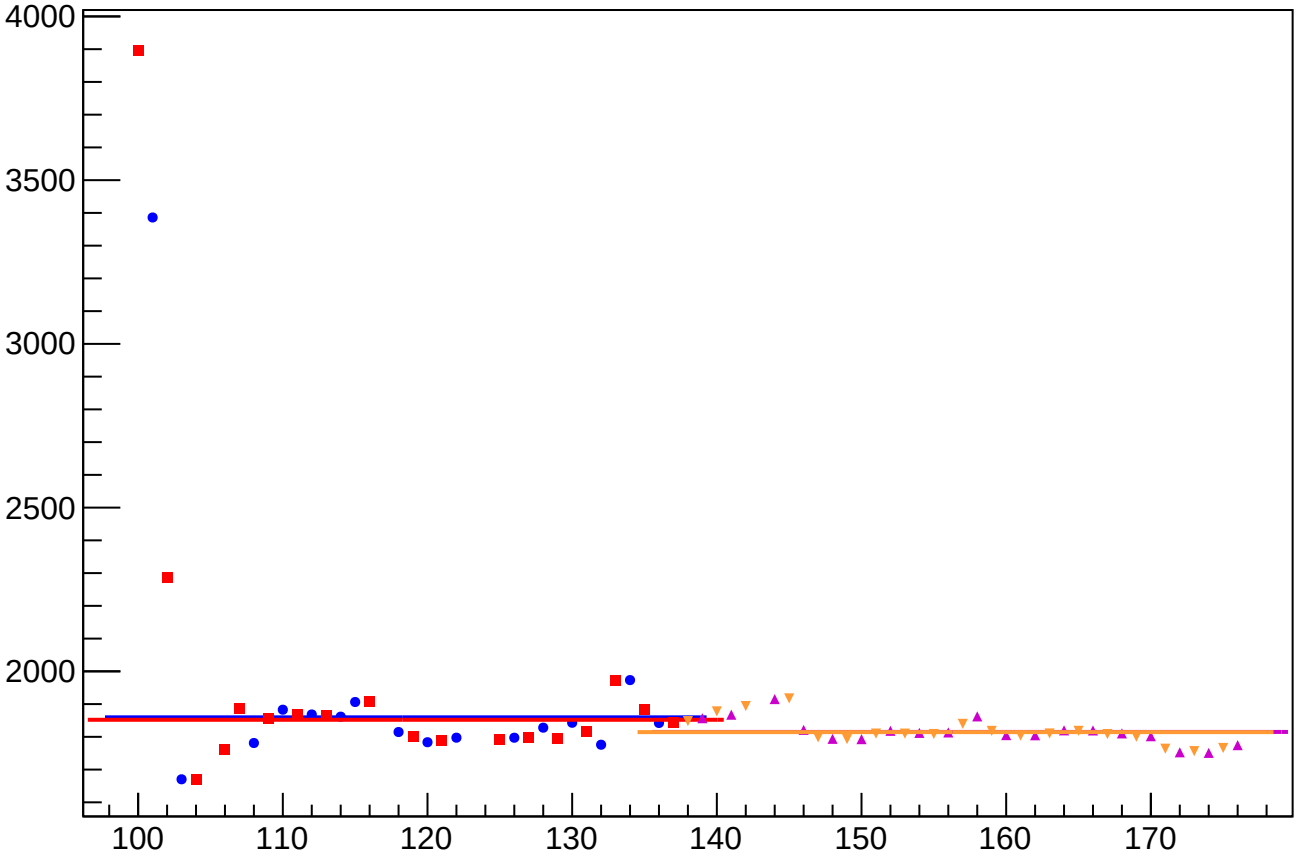
Left In: -4659.519+/-460.499 χ^2/NDF:26.0/18

+ sign 3635.380+/-388.690 χ^2/NDF: 28.3/34

All: -439.849+/-273.176 χ^2/NDF: 288.7/71

- sign -4417.545+/-384.011 χ^2/NDF: 43.1/36

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1814.437+/-0.331 χ^2/NDF:13898.8/18

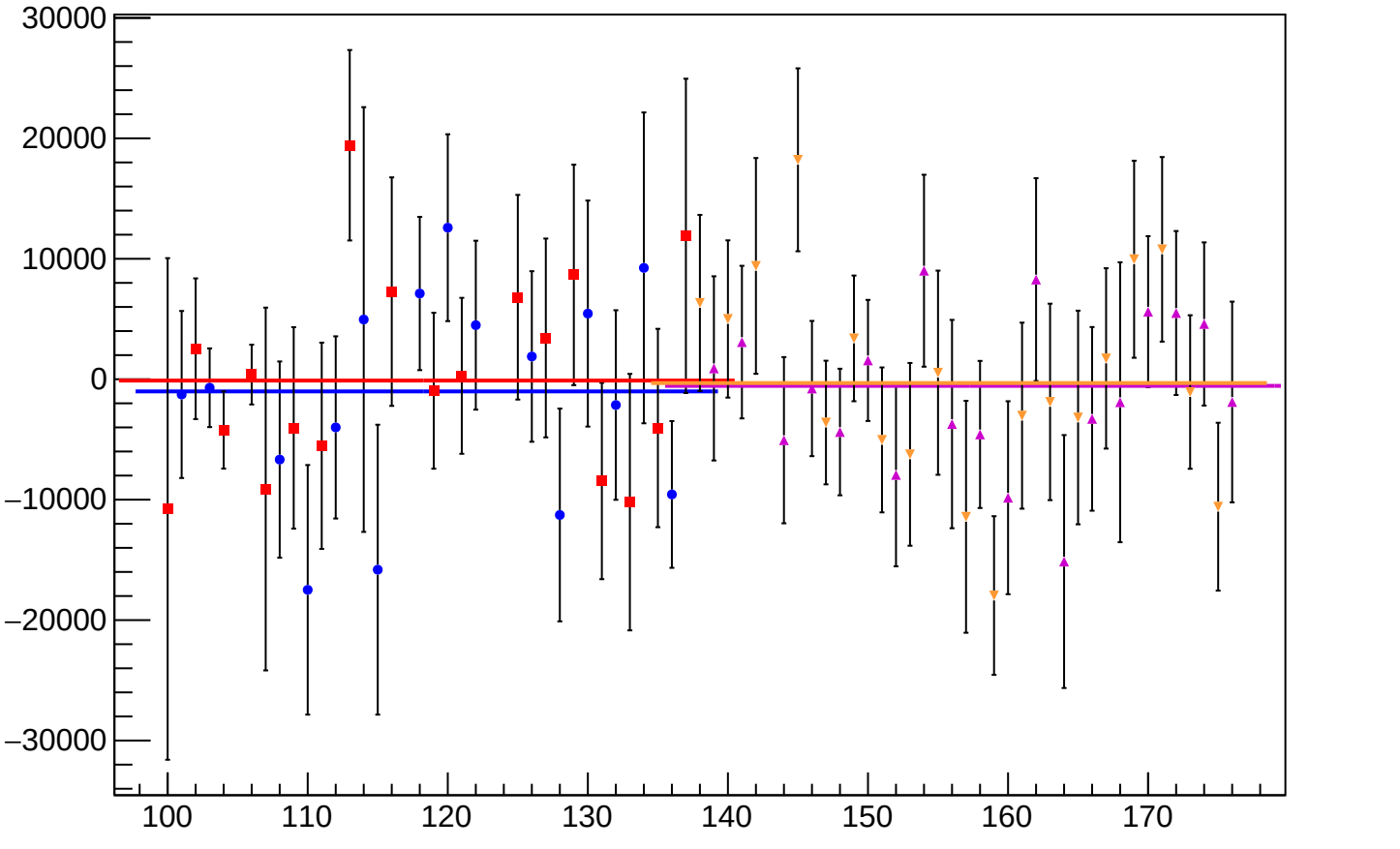
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1814.945+/-0.326 χ^2/NDF:14093.1/18

+ sign 1828.377+/-0.275 χ^2/NDF: 311978.3/34

All: 1827.325+/-0.193 χ^2/NDF: 432288.1/71

- sign 1826.300+/-0.271 χ^2/NDF: 120280.9/36



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -317.496+/-1624.545 χ^2/NDF:25.5/18

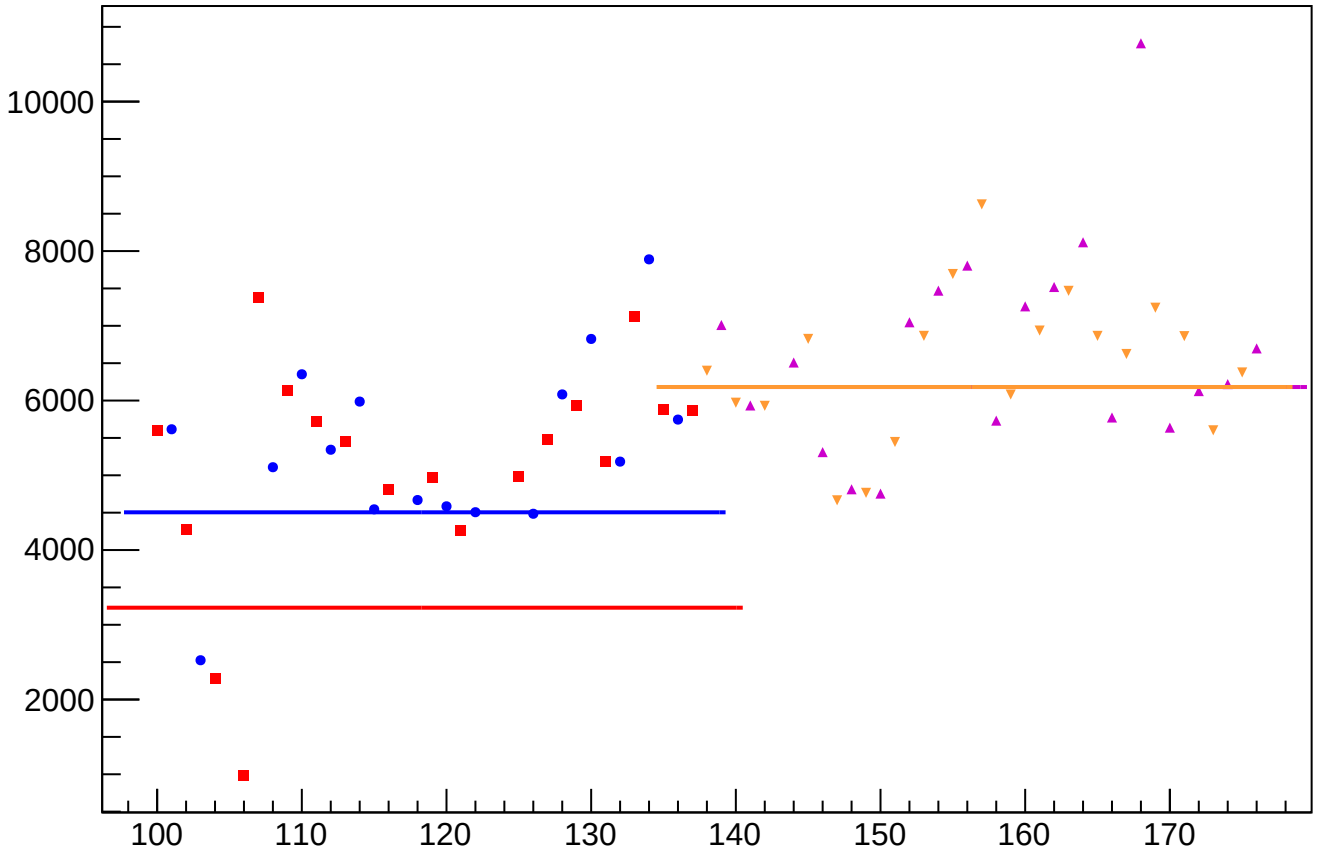
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -550.291+/-1600.511 χ^2/NDF:11.3/18

+ sign -635.393+/-1195.047 χ^2/NDF: 40.3/34

All: -453.349+/-797.113 χ^2/NDF: 66.3/71

- sign -307.440+/-1069.886 χ^2/NDF: 26.0/36



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6181.488+/-1.149 χ^2/NDF:735857.3/18

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

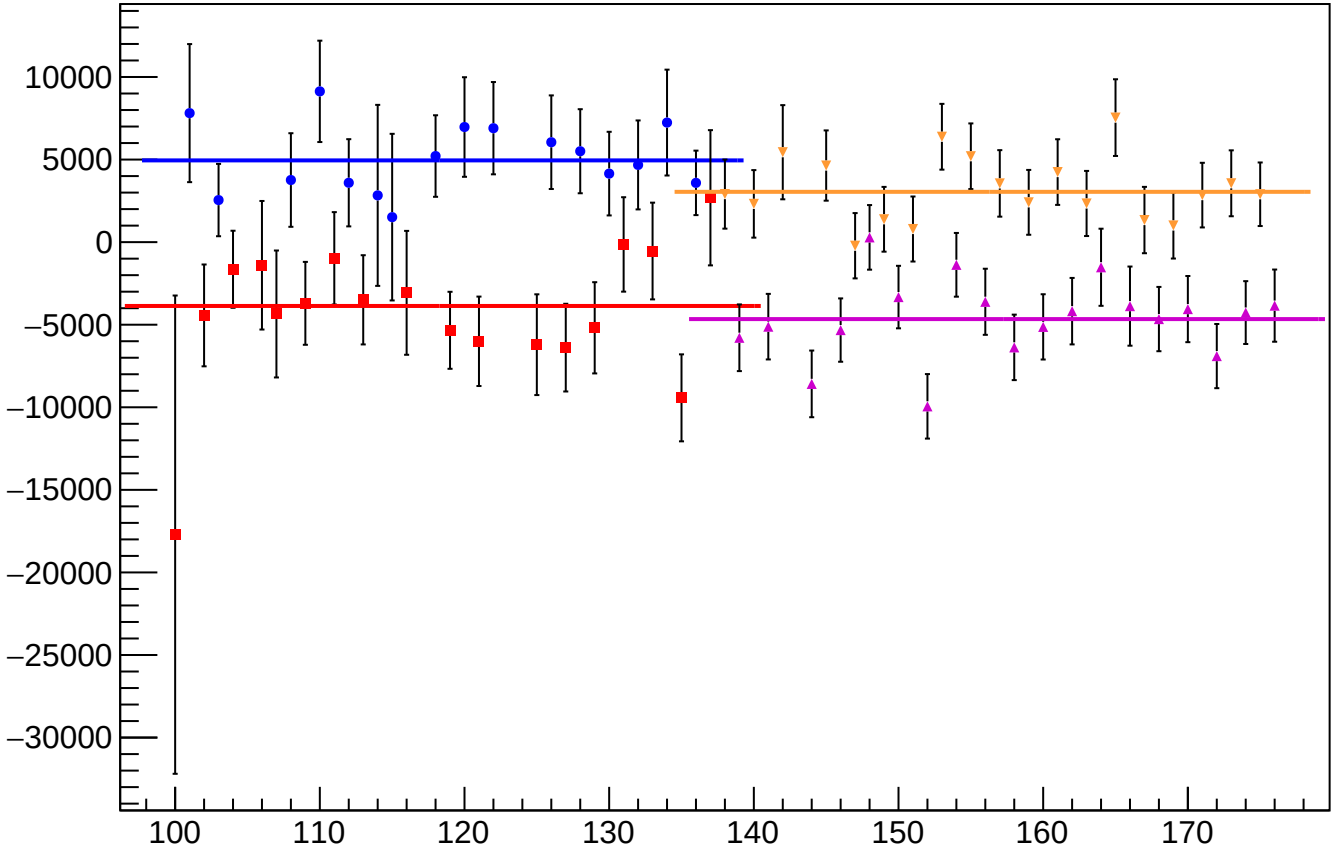
Left In: 6180.991+/-1.132 χ^2/NDF:1032234.7/18

+ sign 5412.111+/-0.845 χ^2/NDF: 3034562.7/34

All: 4932.375+/-0.564 χ^2/NDF: 12368303.7/7

- sign 4547.866+/-0.757 χ^2/NDF: 8753111.5/36

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3046.570+/-467.679 χ^2/NDF:16.4/18

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

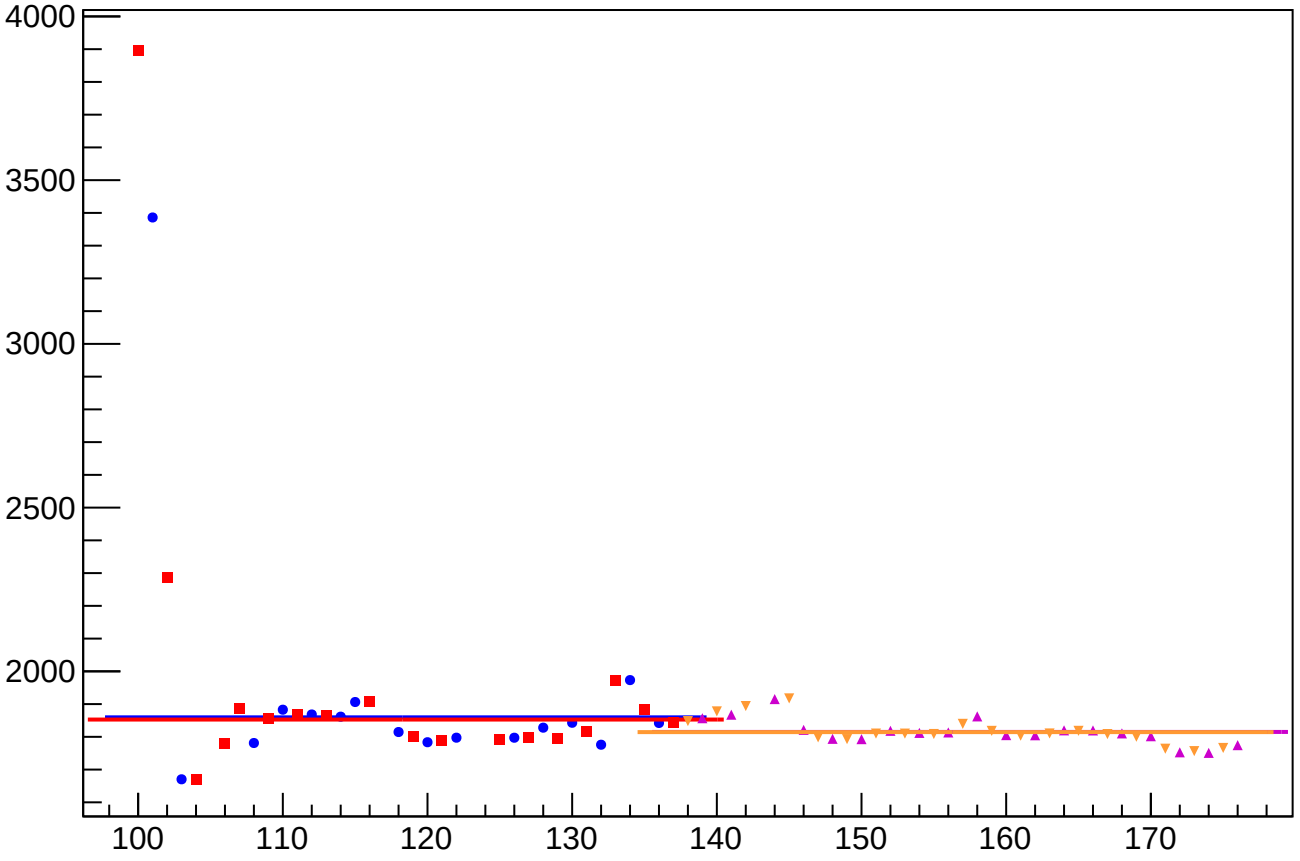
Left In: -4659.564+/-460.499 χ^2/NDF:26.0/18

+ sign 3635.185+/-388.690 χ^2/NDF: 28.3/34

All: -439.928+/-273.176 χ^2/NDF: 288.6/71

- sign -4417.511+/-384.011 χ^2/NDF: 43.1/36

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1814.437+/-0.331 χ^2/NDF:13898.8/18

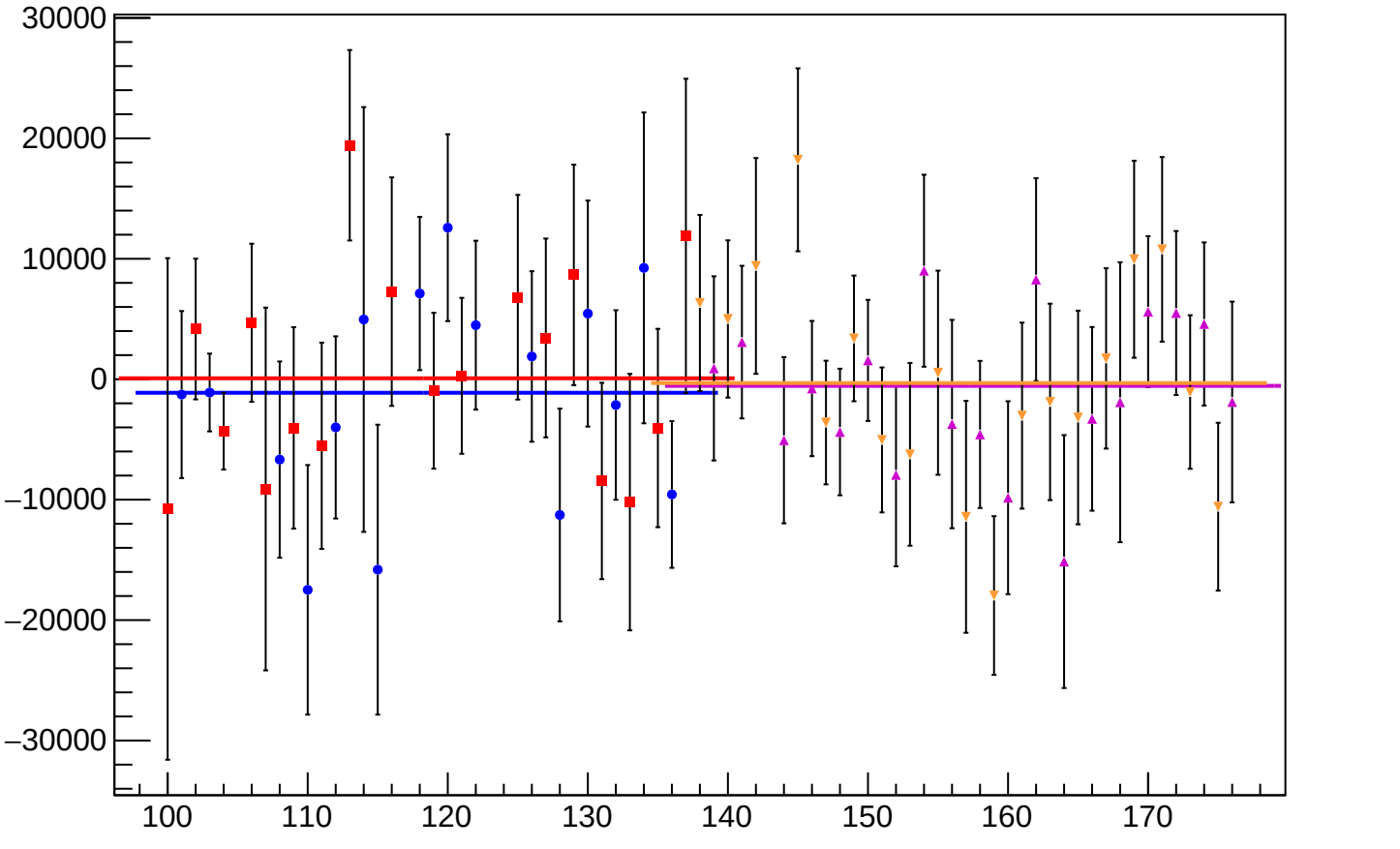
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1814.945+/-0.326 χ^2/NDF:14093.1/18

+ sign 1828.377+/-0.275 χ^2/NDF: 311980.1/34

All: 1827.431+/-0.193 χ^2/NDF: 431973.0/71

- sign 1826.510+/-0.271 χ^2/NDF: 119969.5/36



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -317.547+/-1624.544 χ^2/NDF:25.5/18

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

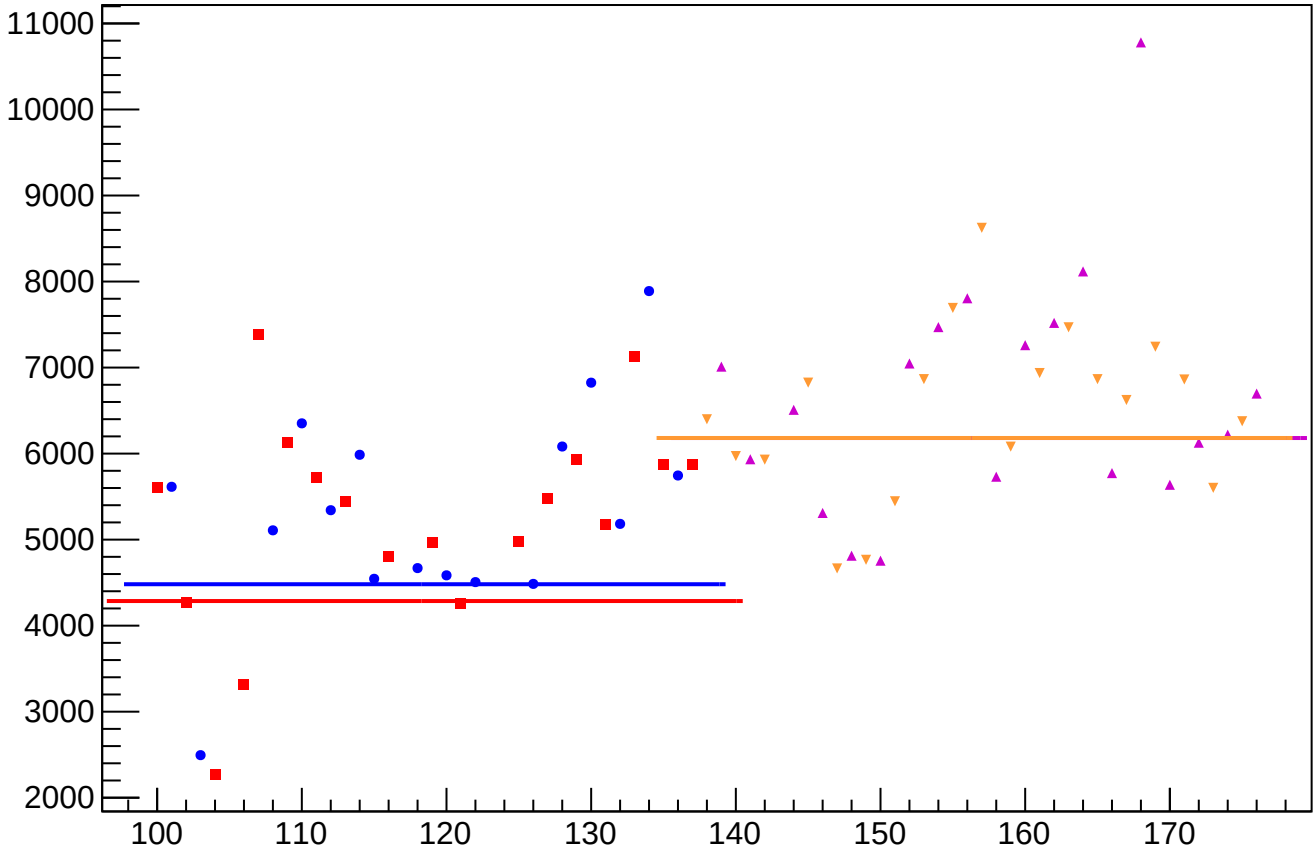
Left In: -550.416+/-1600.511 χ^2/NDF:11.3/18

+ sign -689.755+/-1193.081 χ^2/NDF: 40.3/34

All: -467.640+/-833.934 χ^2/NDF: 67.3/71

- sign -255.456+/-1166.104 χ^2/NDF: 26.9/36

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: 6181.483+/-1.149 χ^2/NDF:735863.1/18

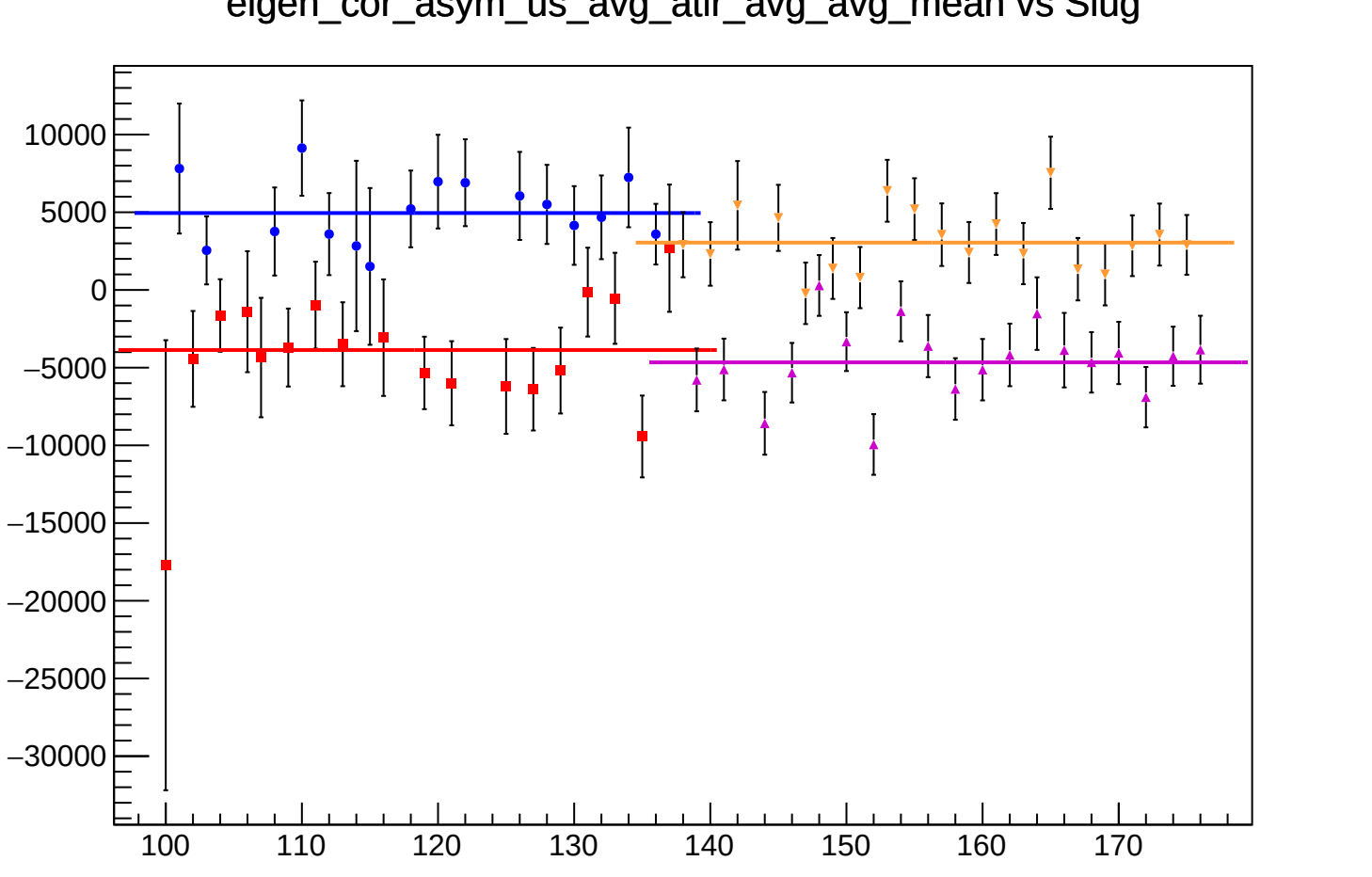
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6180.991+/-1.132 χ^2/NDF:1032242.6/18

+ sign 5398.408+/-0.844 χ^2/NDF: 3106931.4/34

All: 5343.977+/-0.590 χ^2/NDF: 7012384.6/71

- sign 5291.979+/-0.825 χ^2/NDF: 3897313.8/36



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3046.570+/-467.679 χ^2/NDF:16.4/18

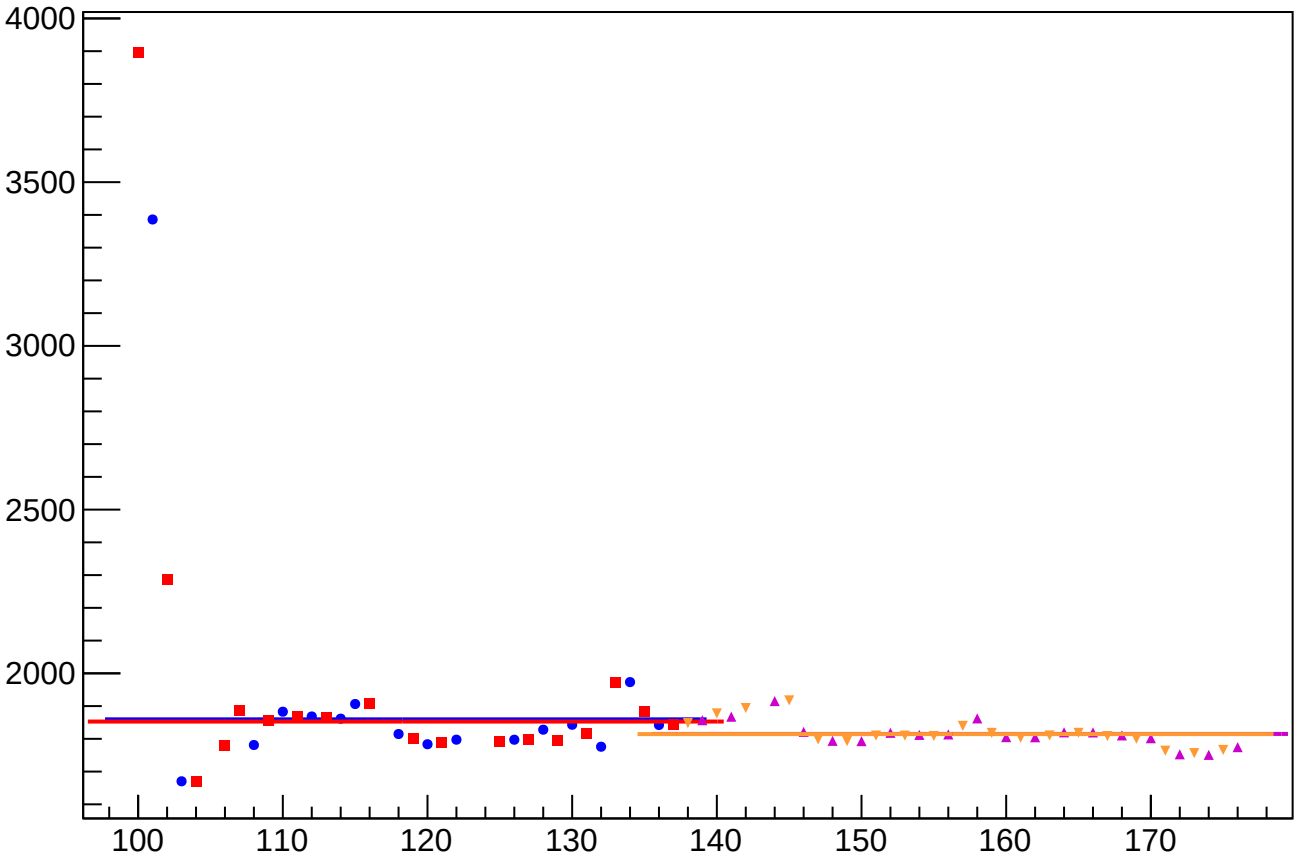
Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: -4659.564+/-460.499 χ^2/NDF:26.0/18

+ sign 3635.185+/-388.690 χ^2/NDF: 28.3/34

All: -439.928+/-273.176 χ^2/NDF: 288.6/71

- sign -4417.511+/-384.011 χ^2/NDF: 43.1/36



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1814.437+/-0.331 χ^2/NDF:13898.8/18

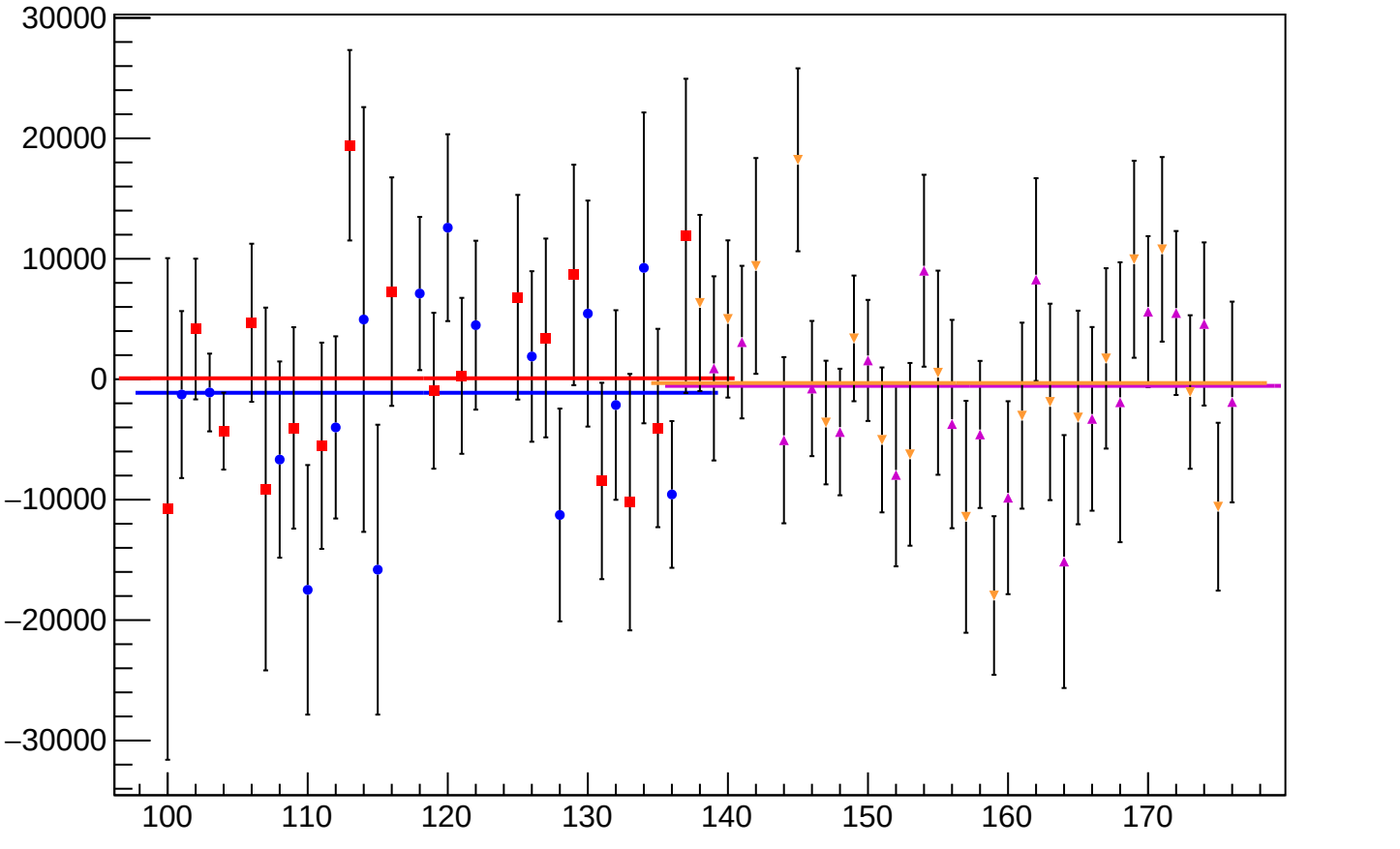
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1814.945+/-0.326 χ^2/NDF:14093.1/18

+ sign 1828.377+/-0.275 χ^2/NDF: 311980.1/34

All: 1827.431+/-0.193 χ^2/NDF: 431973.0/71

- sign 1826.510+/-0.271 χ^2/NDF: 119969.5/36



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -317.547+/-1624.544 χ^2/NDF:25.5/18

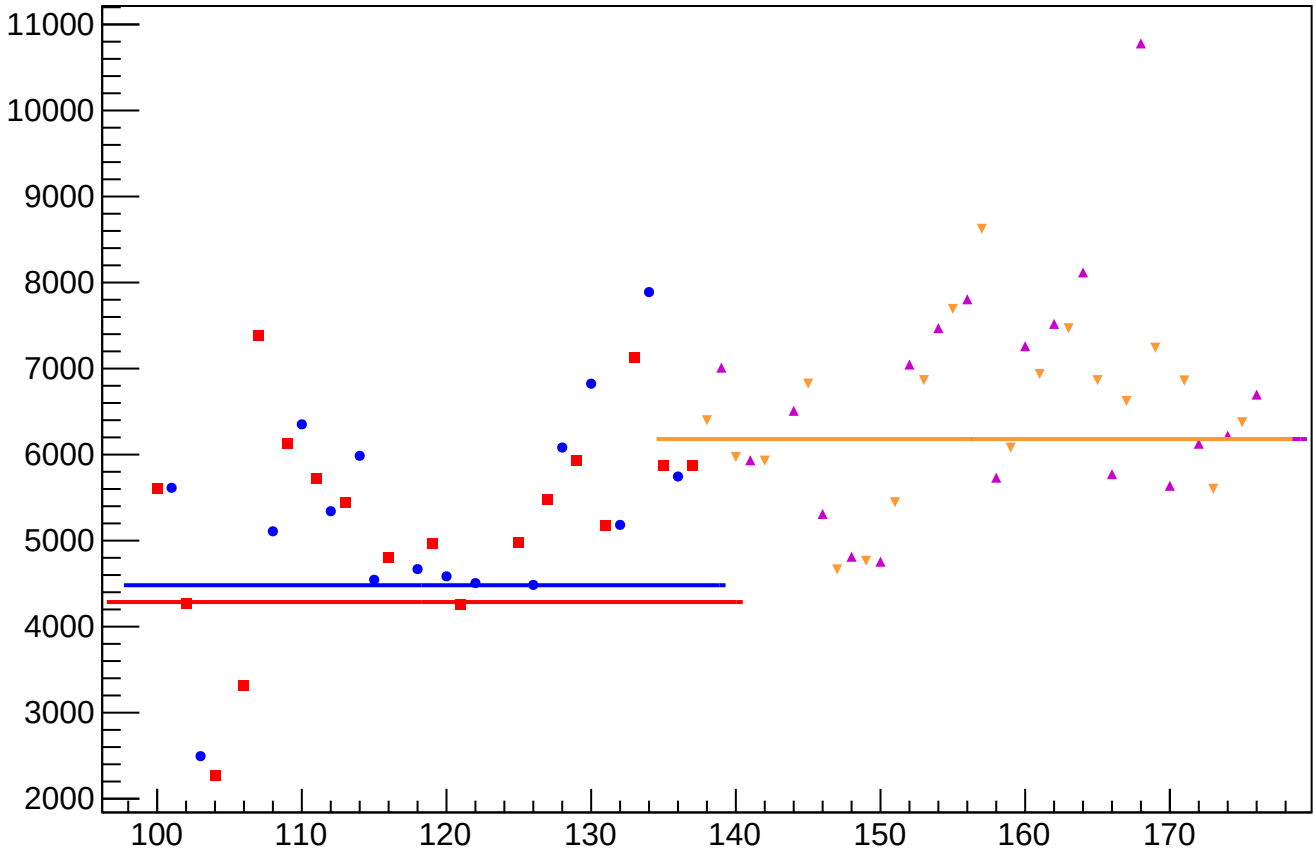
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -550.416+/-1600.511 χ^2/NDF:11.3/18

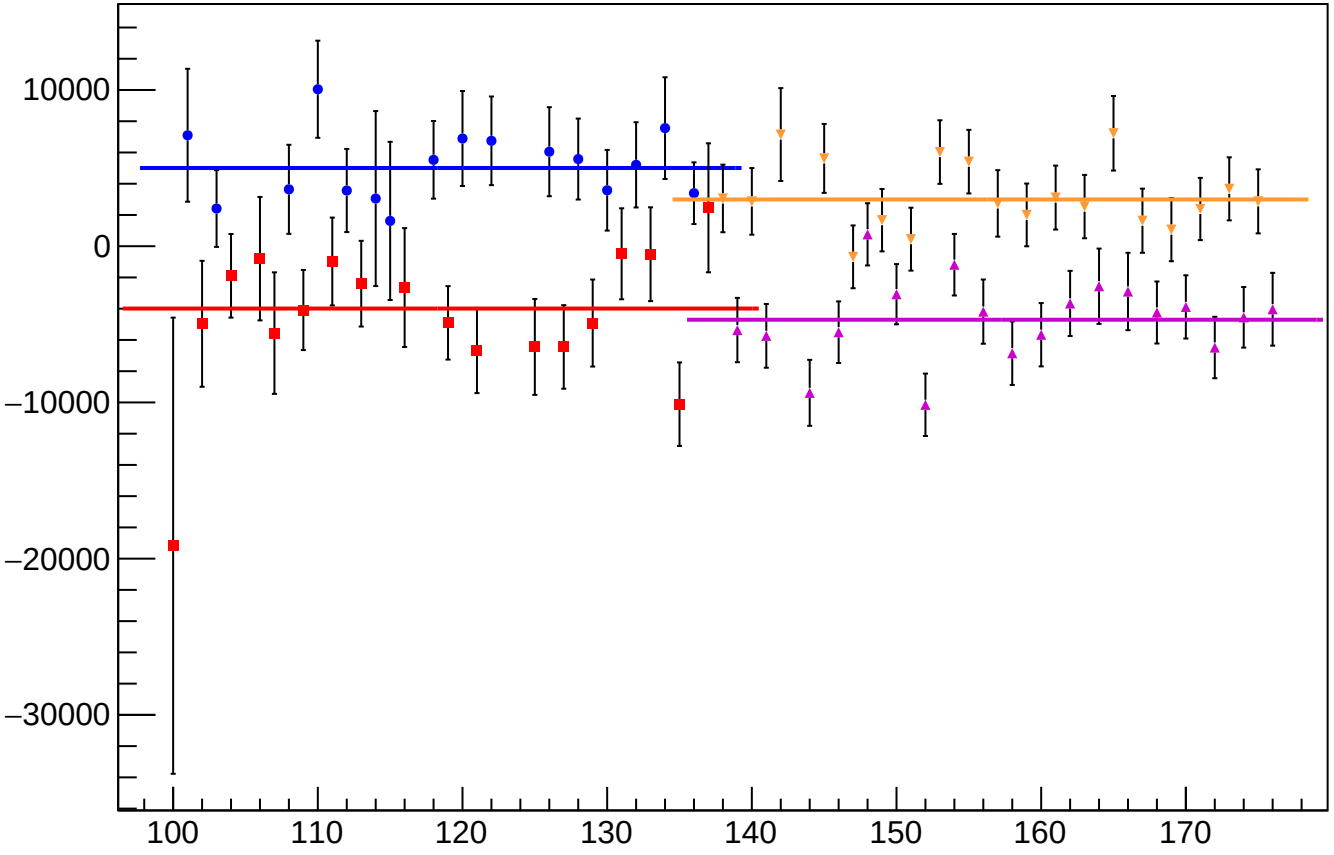
+ sign -689.755+/-1193.081 χ^2/NDF: 40.3/34

All: -467.640+/-833.934 χ^2/NDF: 67.3/71

- sign -255.456+/-1166.104 χ^2/NDF: 26.9/36


asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4481.518+/-1.243 χ²/NDF: 1362255.0/15
Left Out: 6181.483+/-1.149 χ²/NDF:735863.1/18
Right Out: 4286.125+/-1.204 χ²/NDF: 1549852.7/17
Left In: 6180.991+/-1.132 χ²/NDF:1032242.6/18
+ sign 5398.408+/-0.844 χ²/NDF: 3106931.4/34
All: 5343.977+/-0.590 χ²/NDF: 7012384.6/71
- sign 5291.979+/-0.825 χ²/NDF: 3897313.8/36

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2991.549+/-480.937 χ^2/NDF:17.4/18

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

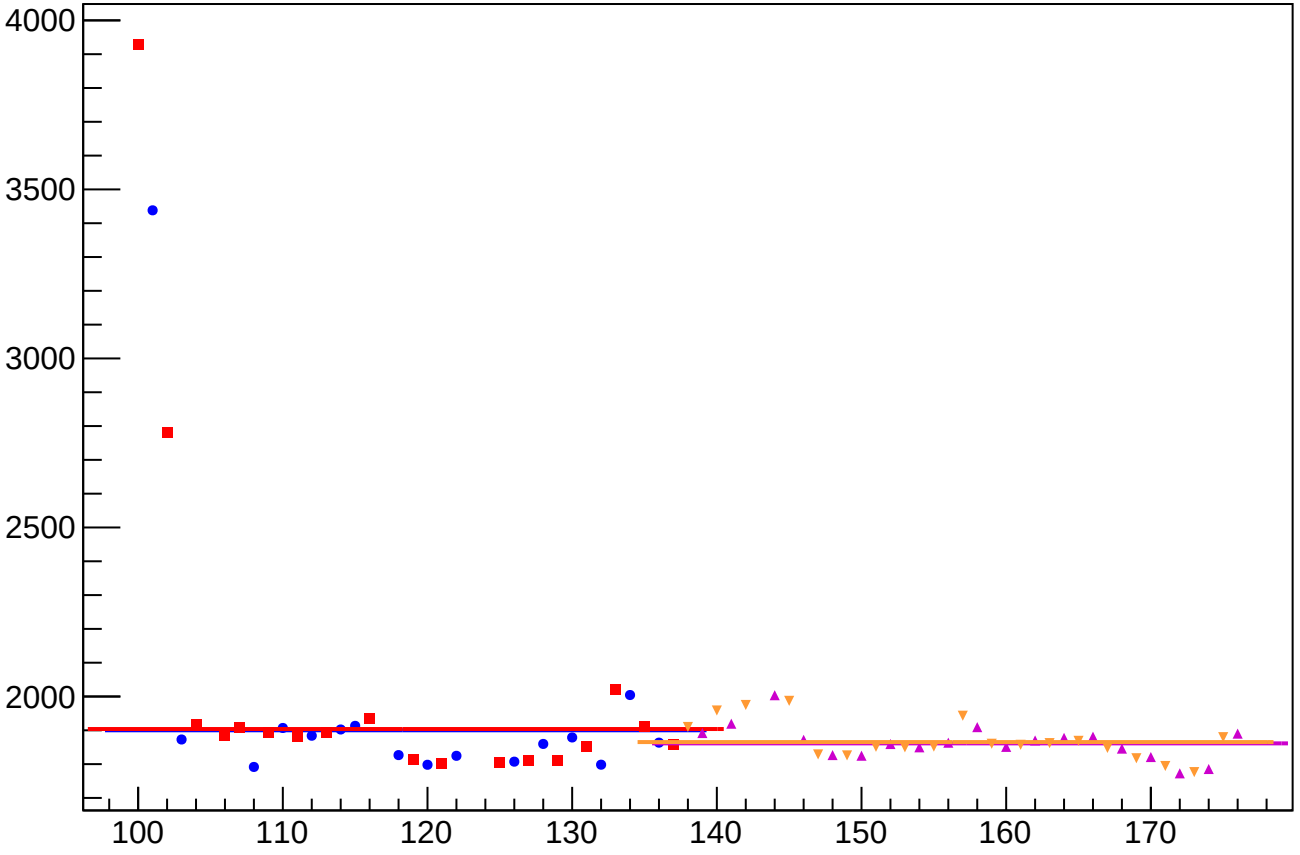
Left In: -4706.344+/-472.401 χ^2/NDF:28.4/18

+ sign 3620.607+/-398.897 χ^2/NDF: 30.6/34

All: -476.480+/-280.608 χ^2/NDF: 285.9/71

- sign -4490.118+/-394.814 χ^2/NDF: 46.5/36

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1865.237+/-0.340 χ^2/NDF:25767.9/18

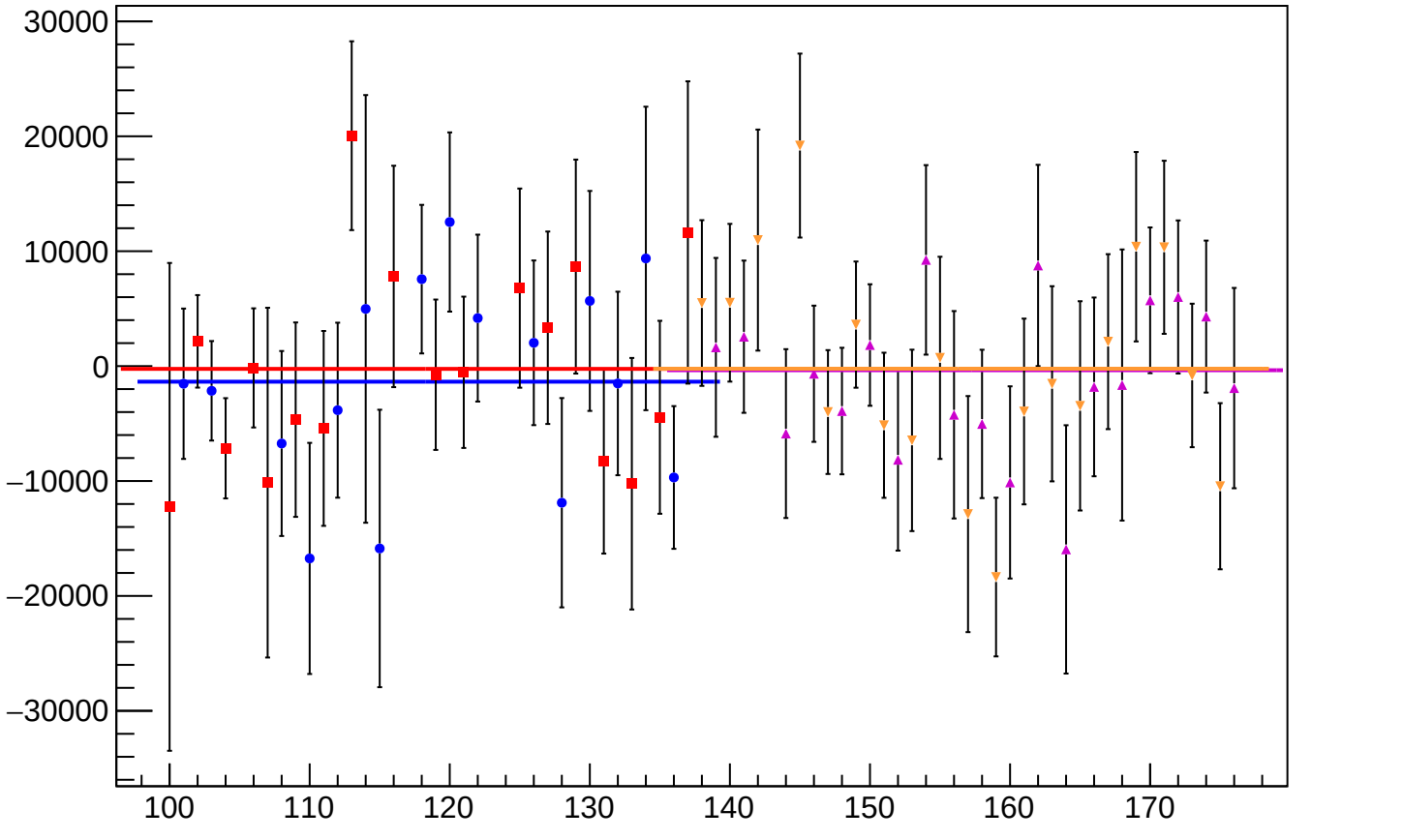
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1861.375+/-0.334 χ^2/NDF:22383.7/18

+ sign 1876.120+/-0.282 χ^2/NDF: 307498.0/34

All: 1875.147+/-0.198 χ^2/NDF: 484898.3/71

- sign 1874.194+/-0.279 χ^2/NDF: 177376.7/36



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -226.438+/-1679.389 χ^2/NDF:25.3/18

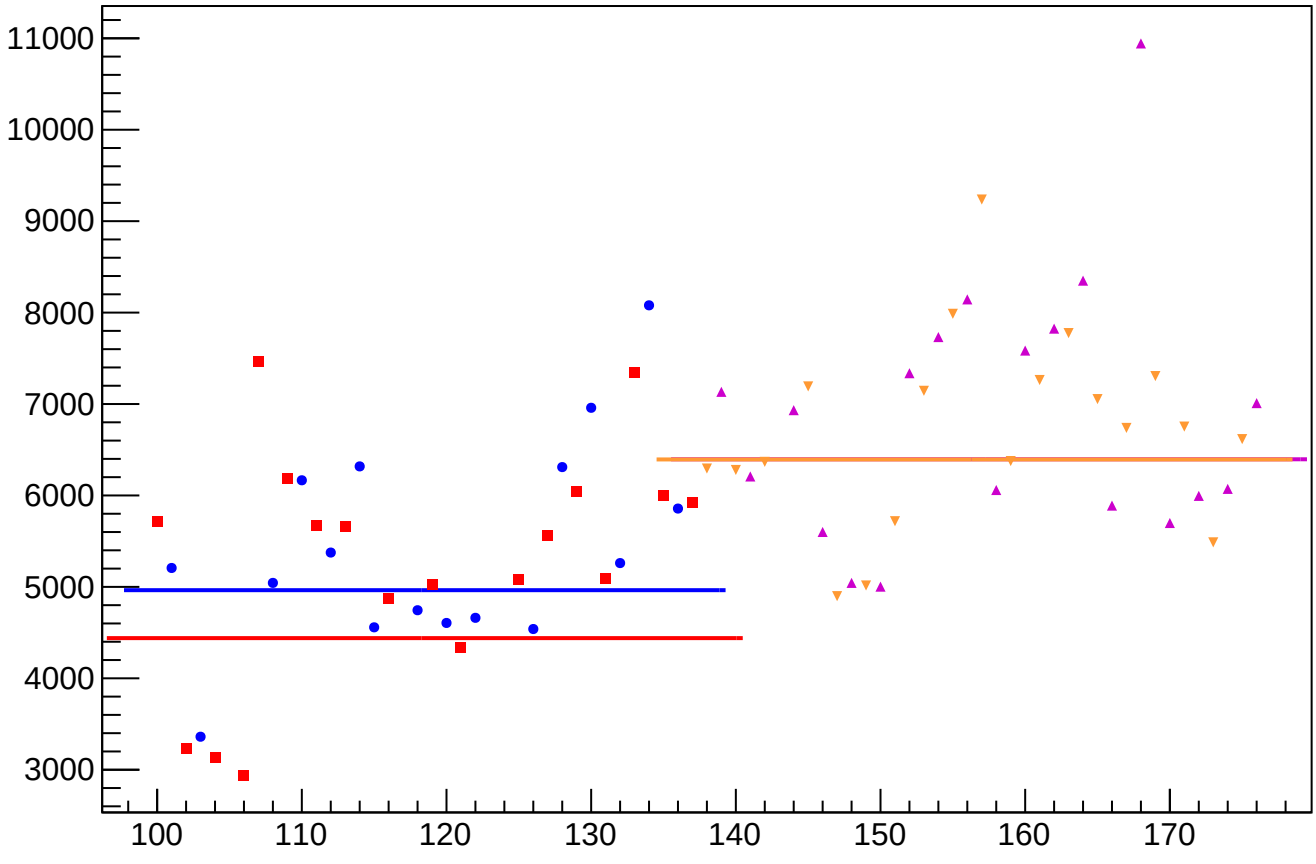
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -358.078+/-1655.030 χ^2/NDF:11.4/18

+ sign -723.309+/-1257.143 χ^2/NDF: 40.2/34

All: -500.927+/-864.274 χ^2/NDF: 67.4/71

- sign -301.616+/-1190.143 χ^2/NDF: 27.1/36



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6393.881+/-1.188 χ^2/NDF:724360.9/18

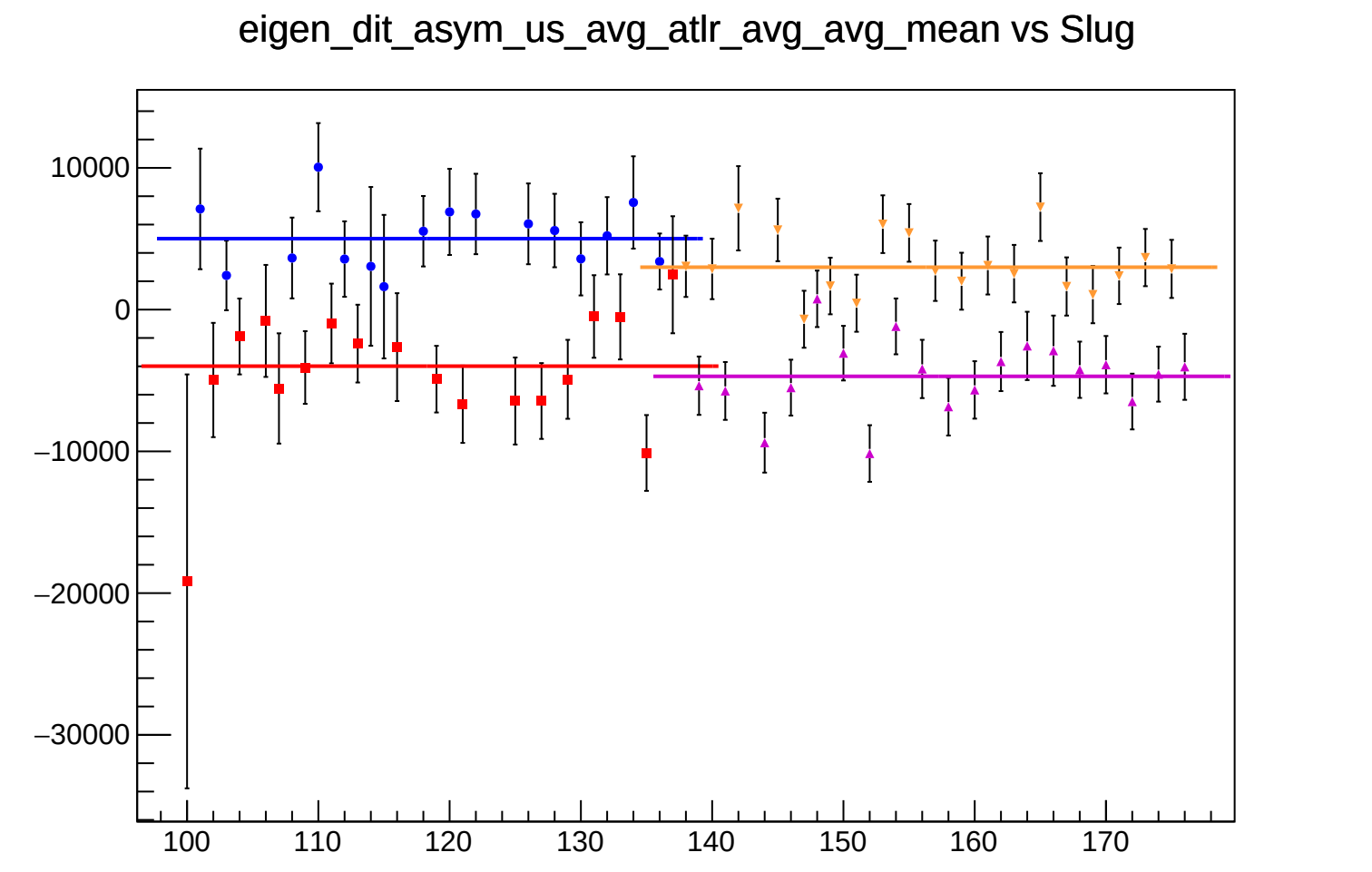
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6395.652+/-1.170 χ^2/NDF:997953.3/18

+ sign 5765.247+/-0.889 χ^2/NDF: 1989157.6/34

All: 5599.599+/-0.611 χ^2/NDF: 5560400.6/71

- sign 5451.137+/-0.842 χ^2/NDF: 3505397.3/36



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2991.542+/-480.937 χ^2/NDF:17.4/18

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

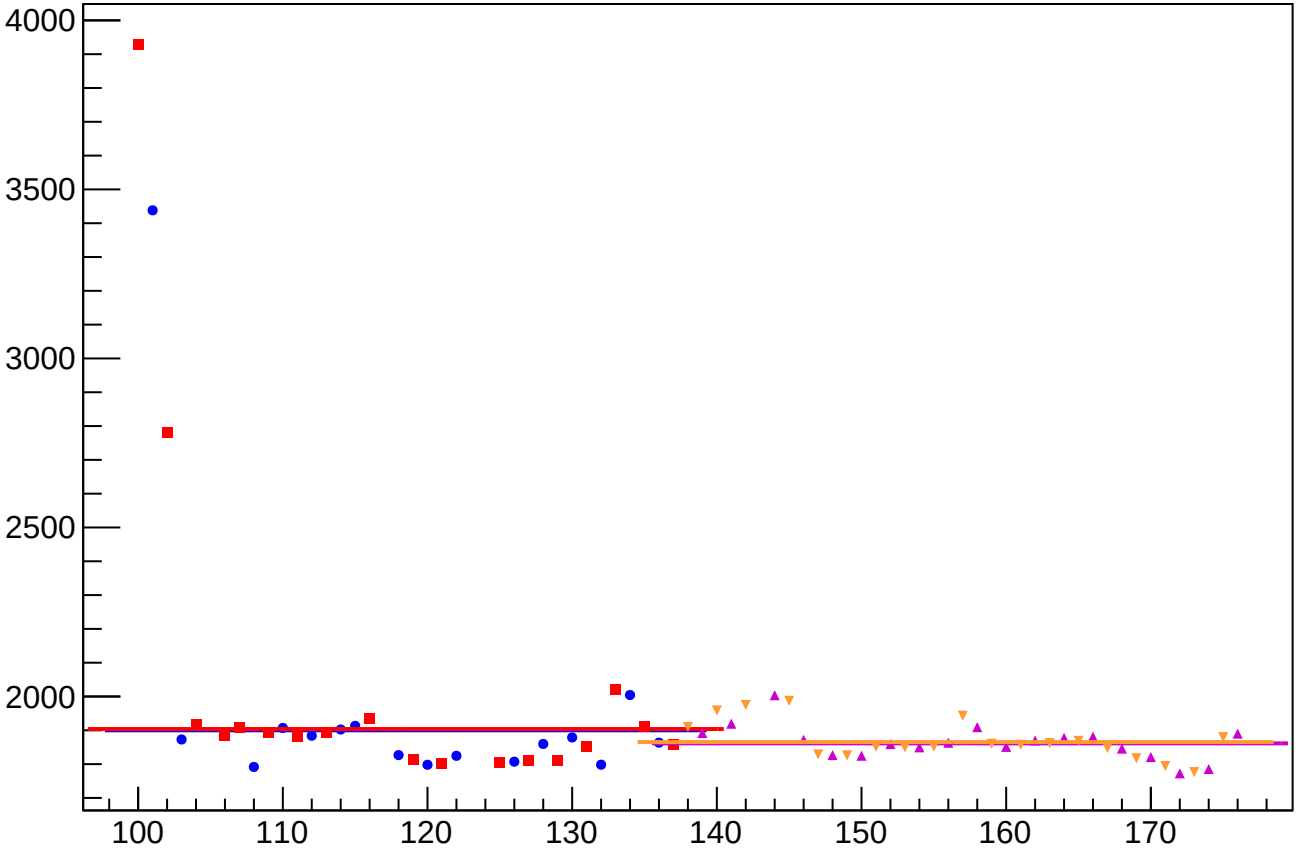
Left In: -4706.347+/-472.402 χ^2/NDF:28.4/18

+ sign 3620.602+/-398.897 χ^2/NDF: 30.6/34

All: -476.483+/-280.608 χ^2/NDF: 285.9/71

- sign -4490.120+/-394.814 χ^2/NDF: 46.5/36

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: 1865.238+/-0.340 χ^2/NDF:25768.7/18

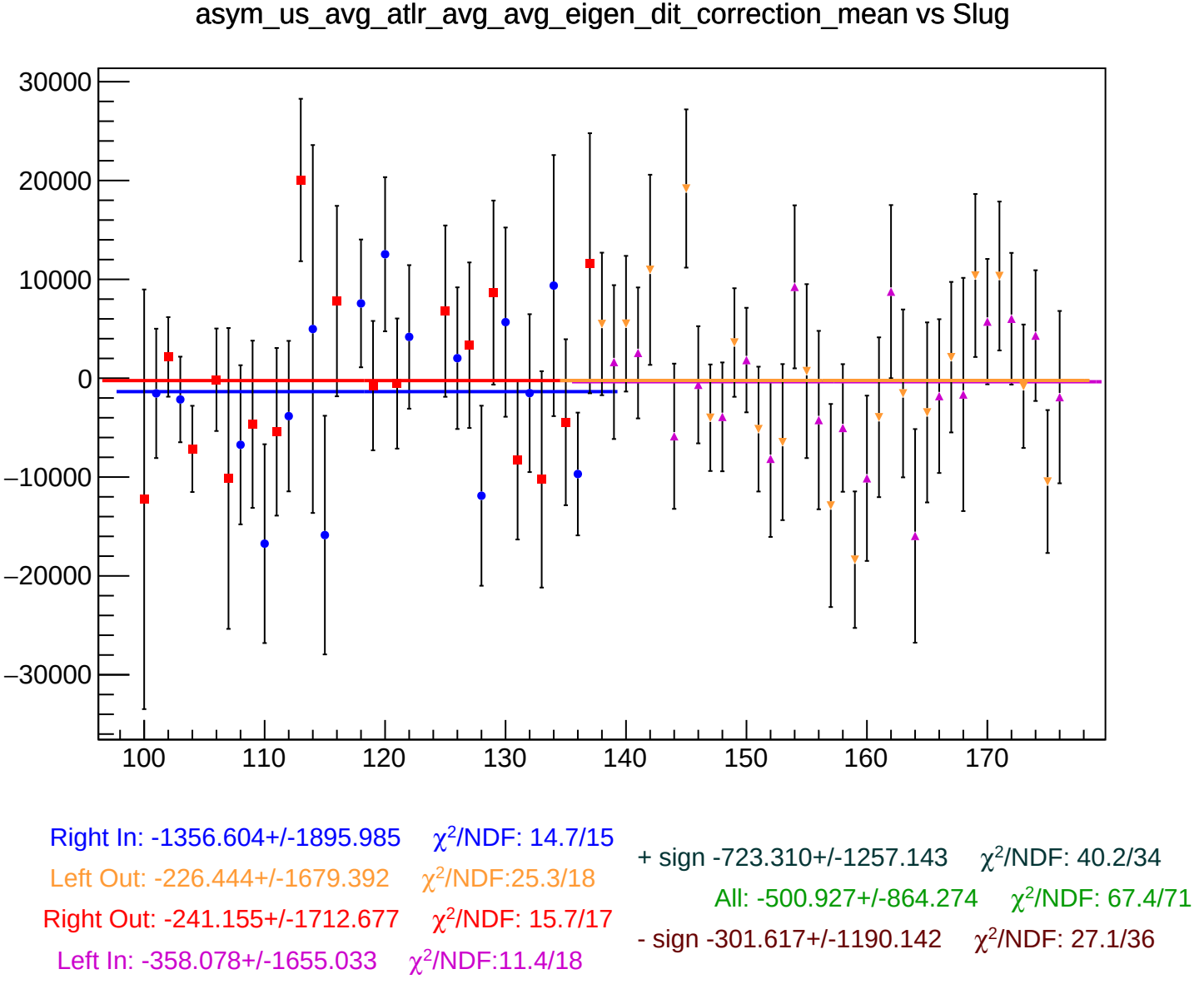
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

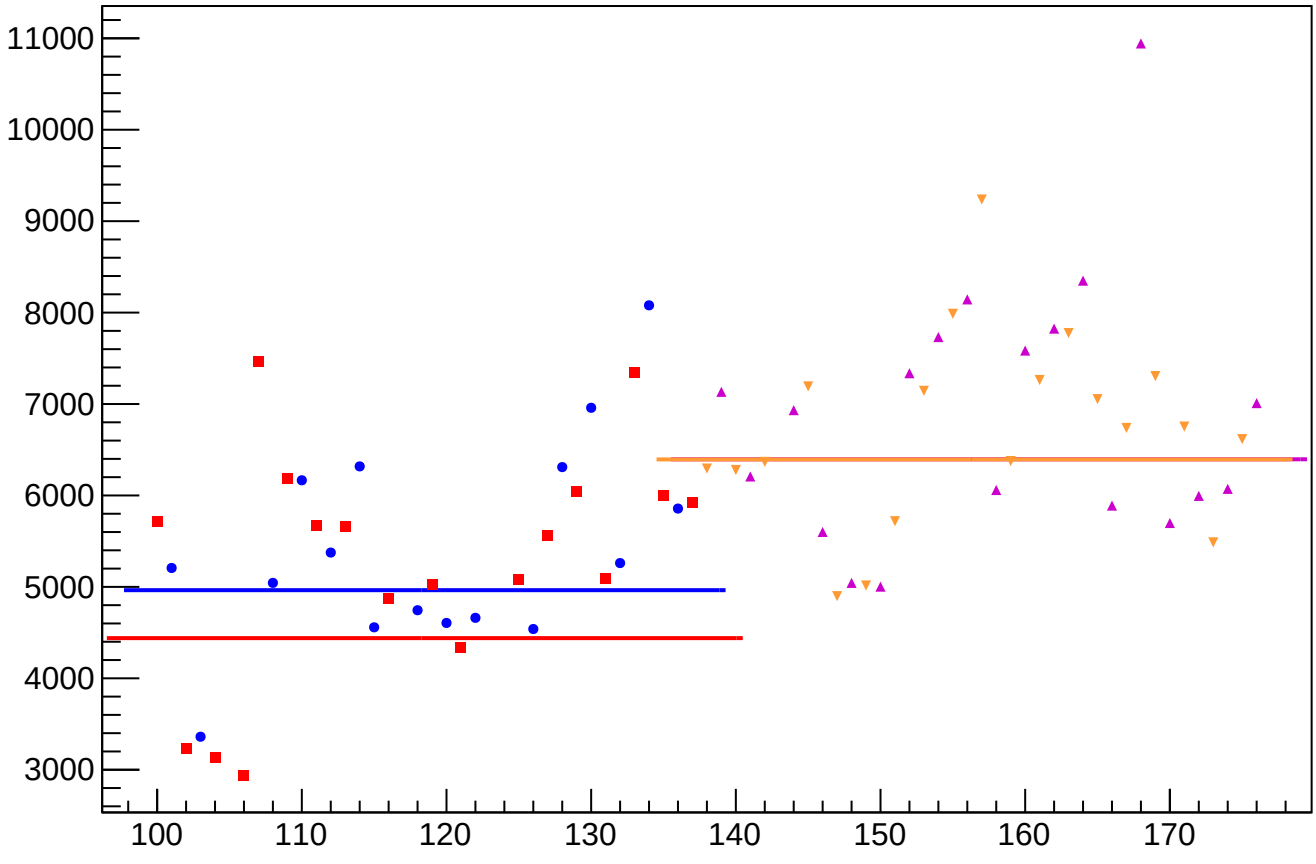
Left In: 1861.376+/-0.334 χ^2/NDF:22384.4/18

+ sign 1876.121+/-0.282 χ^2/NDF: 307498.7/34

All: 1875.147+/-0.198 χ^2/NDF: 484898.6/71

- sign 1874.194+/-0.279 χ^2/NDF: 177376.2/36


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: -226.444+/-1679.392 χ²/NDF:25.3/18
Right Out: -241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: -358.078+/-1655.033 χ²/NDF:11.4/18
+ sign -723.310+/-1257.143 χ²/NDF: 40.2/34
All: -500.927+/-864.274 χ²/NDF: 67.4/71
- sign -301.617+/-1190.142 χ²/NDF: 27.1/36



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6393.891+/-1.188 χ^2/NDF:724362.4/18

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

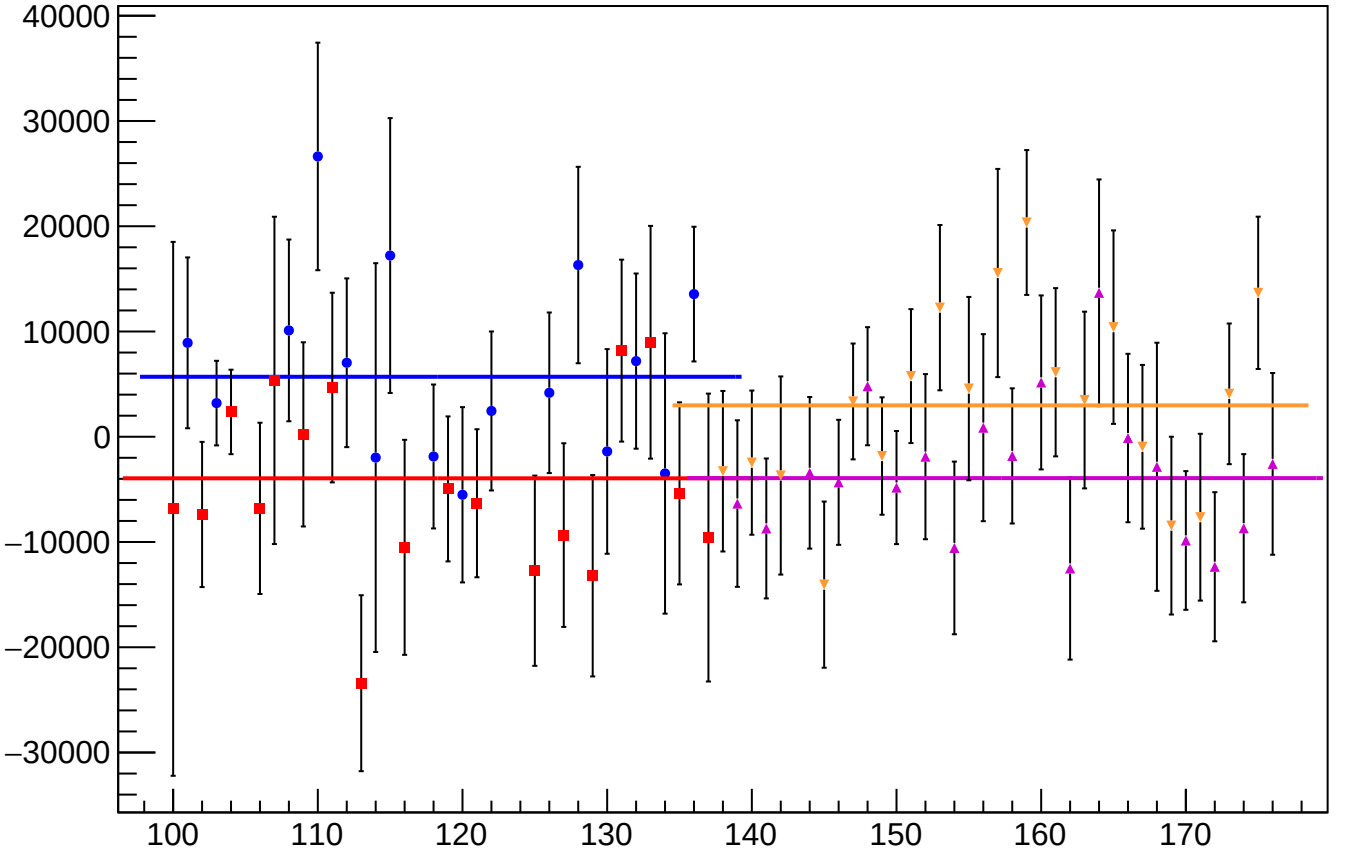
Left In: 6395.662+/-1.170 χ^2/NDF:997954.9/18

+ sign 5765.244+/-0.889 χ^2/NDF: 1989183.4/34

All: 5599.595+/-0.611 χ^2/NDF: 5560459.4/71

- sign 5451.133+/-0.842 χ^2/NDF: 3505429.6/36

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 2981.259+/-1699.843 χ^2/NDF:23.7/18

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

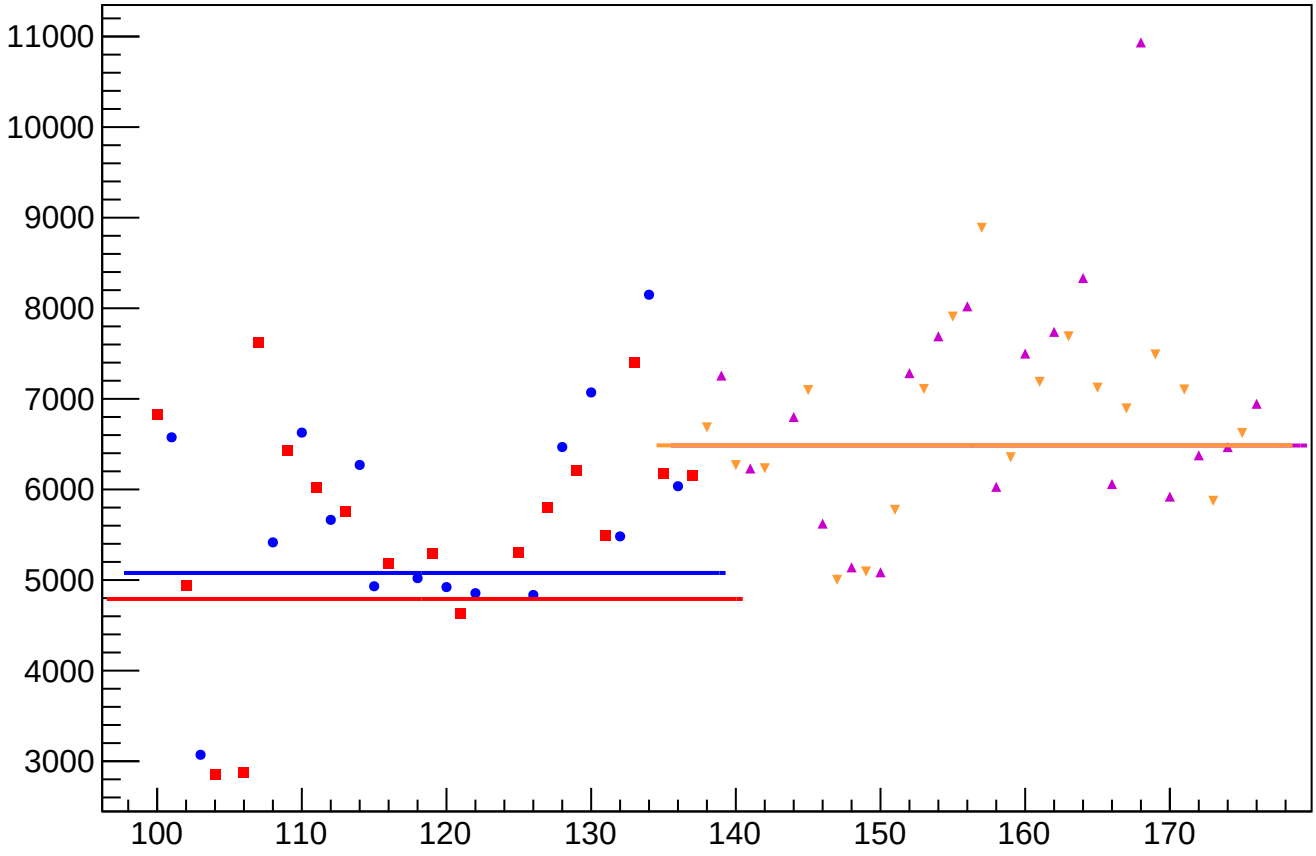
Left In: -3931.428+/-1674.595 χ^2/NDF:12.0/18

\+ sign 4147.681+/-1283.950 χ^2/NDF: 37.5/34

All: 35.125+/-900.096 χ^2/NDF: 85.8/71

\- sign -3939.187+/-1262.186 χ^2/NDF: 28.1/36

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6486.620+/-1.202 χ^2/NDF:625775.3/18

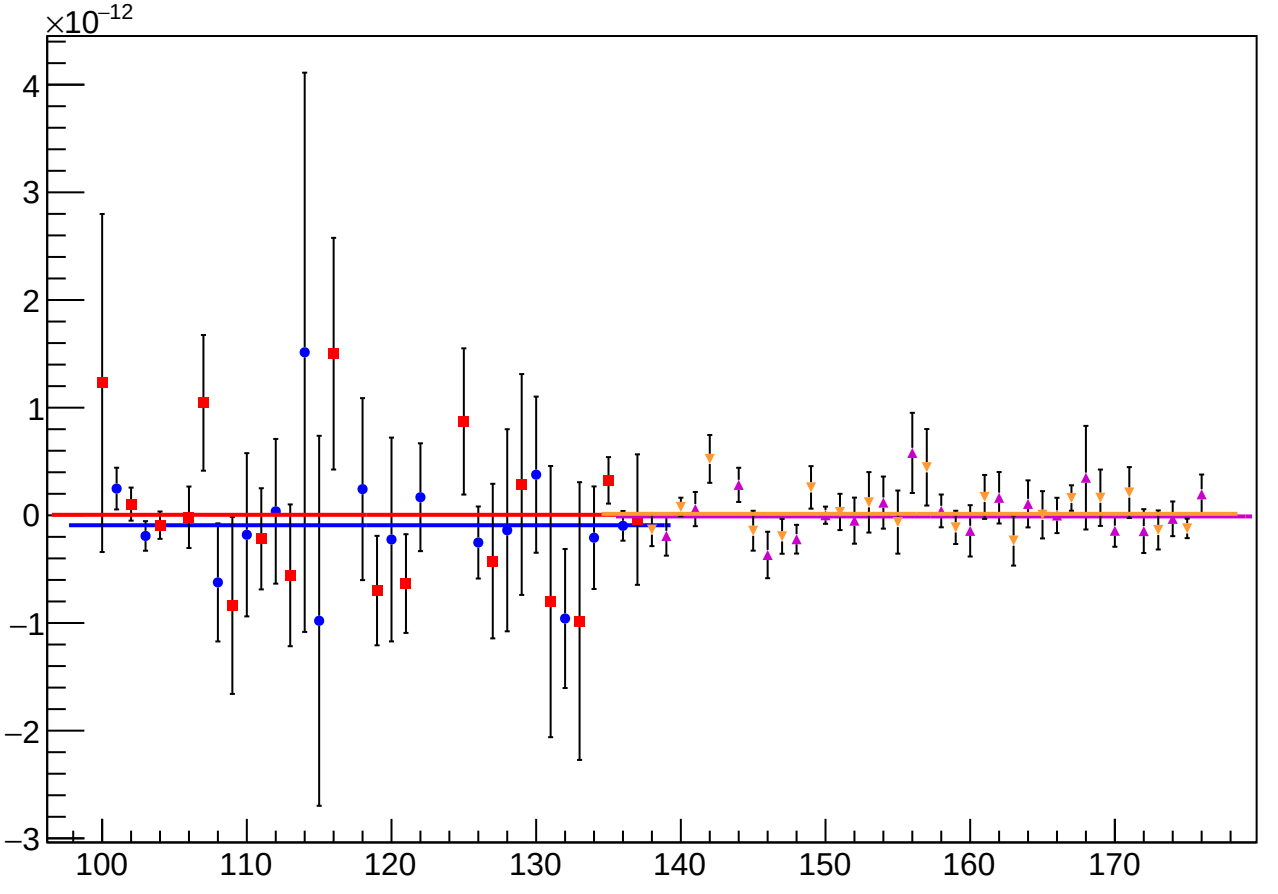
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6485.074+/-1.184 χ^2/NDF:894822.2/18

+ sign 5881.716+/-0.908 χ^2/NDF: 2134702.3/34

All: 5807.231+/-0.634 χ^2/NDF: 5109432.9/71

- sign 5736.517+/-0.885 χ^2/NDF: 2961609.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.3/18

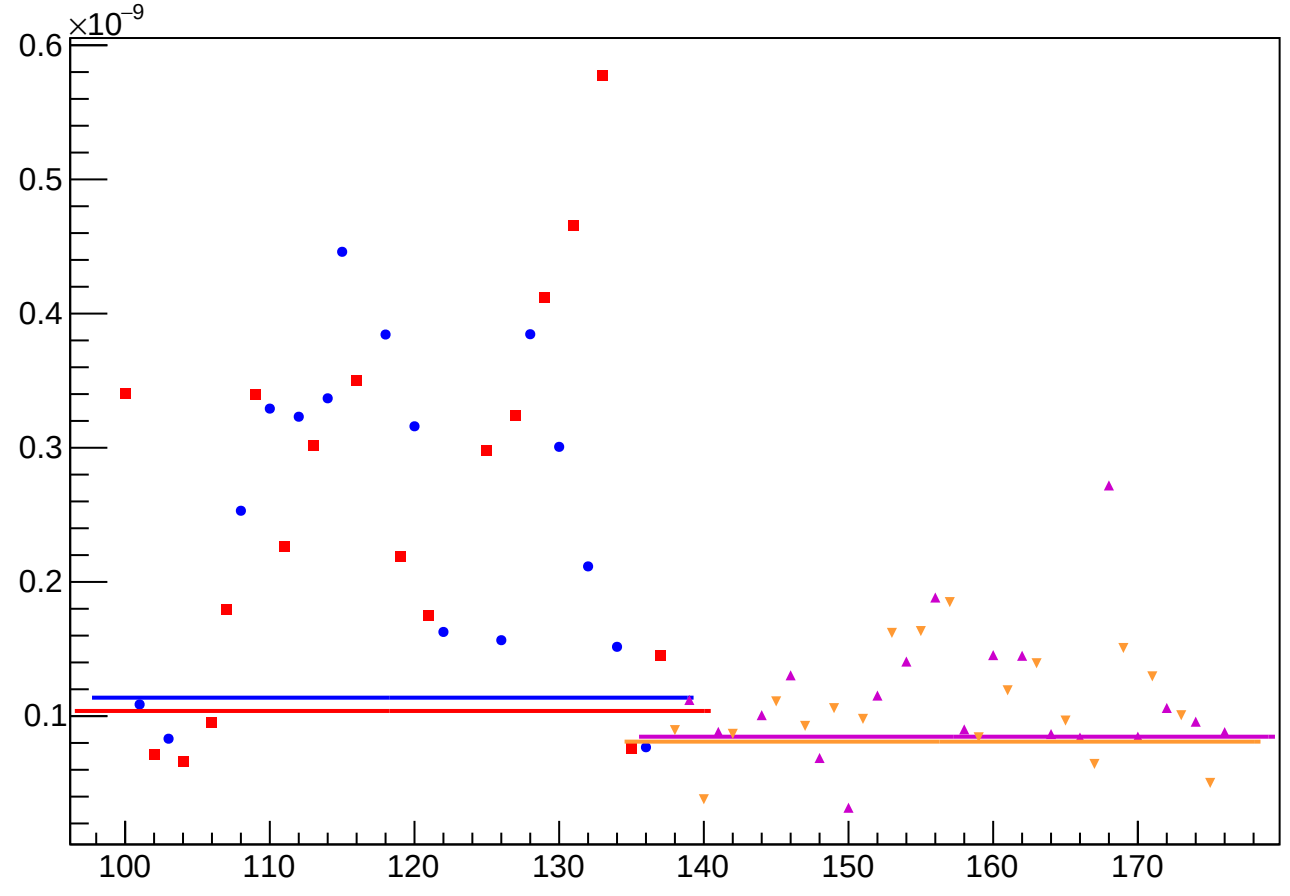
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:17.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/34

All: -0.000+/-0.000 χ^2/NDF: 64.4/71

- sign -0.000+/-0.000 χ^2/NDF: 34.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1849225.7/18

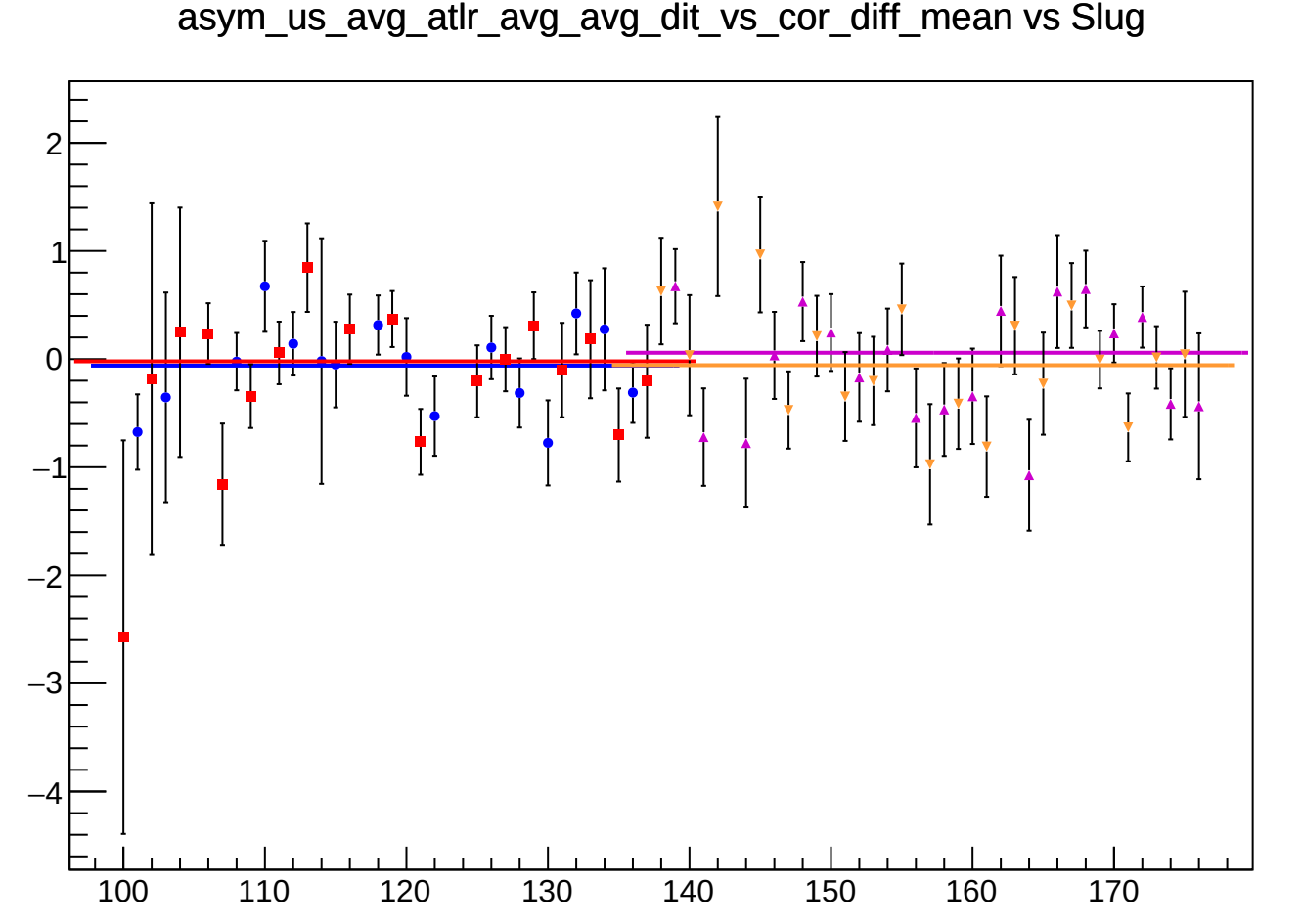
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1962017.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 3662537.4/34

All: 0.000+/-0.000 χ^2/NDF: 7812593.3/71

- sign 0.000+/-0.000 χ^2/NDF: 4148323.1/36



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.056+/-0.094 χ^2/NDF:25.1/18

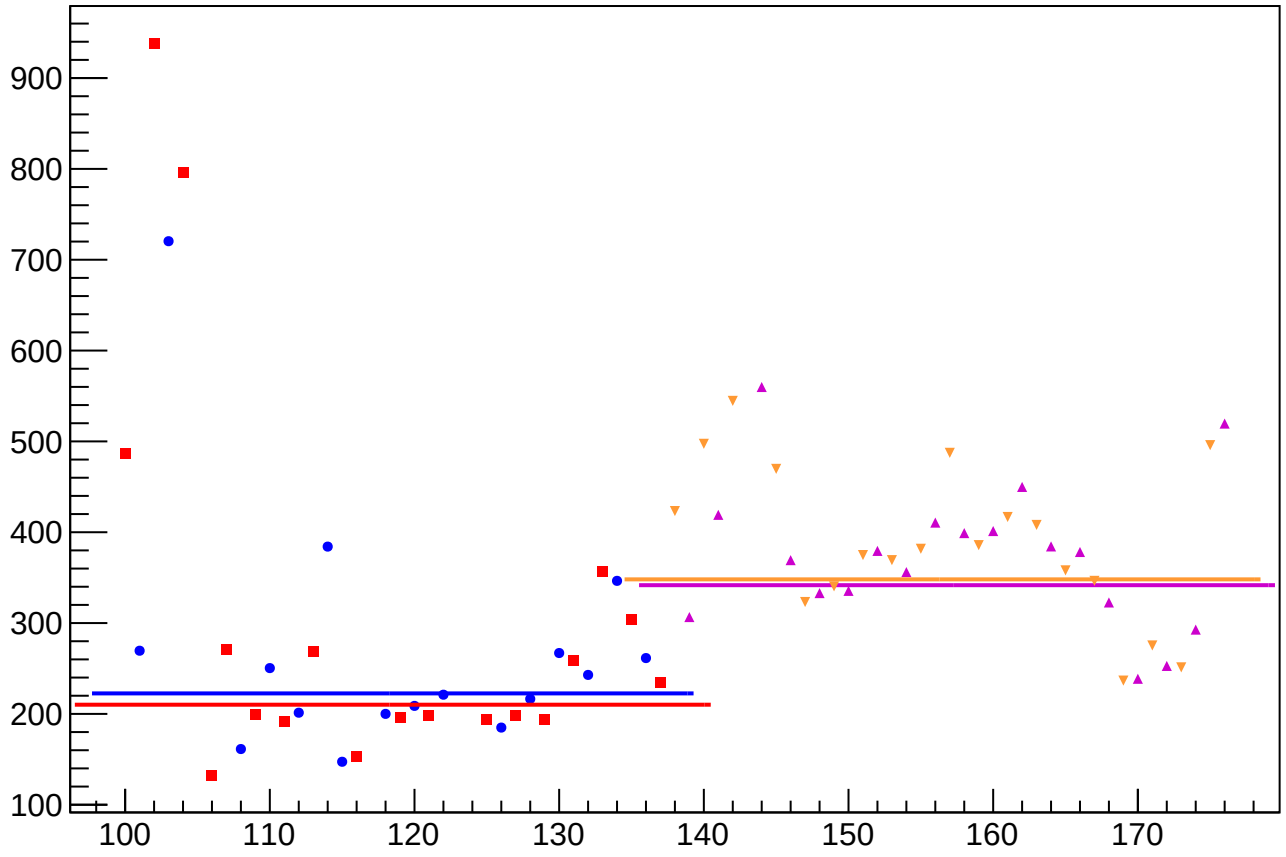
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.059+/-0.090 χ^2/NDF:28.3/18

+ sign -0.059+/-0.064 χ^2/NDF: 42.4/34

All: -0.019+/-0.045 χ^2/NDF: 97.9/71

- sign 0.018+/-0.063 χ^2/NDF: 54.8/36



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 348.116+/-0.066 χ^2/NDF:1479424.2/18

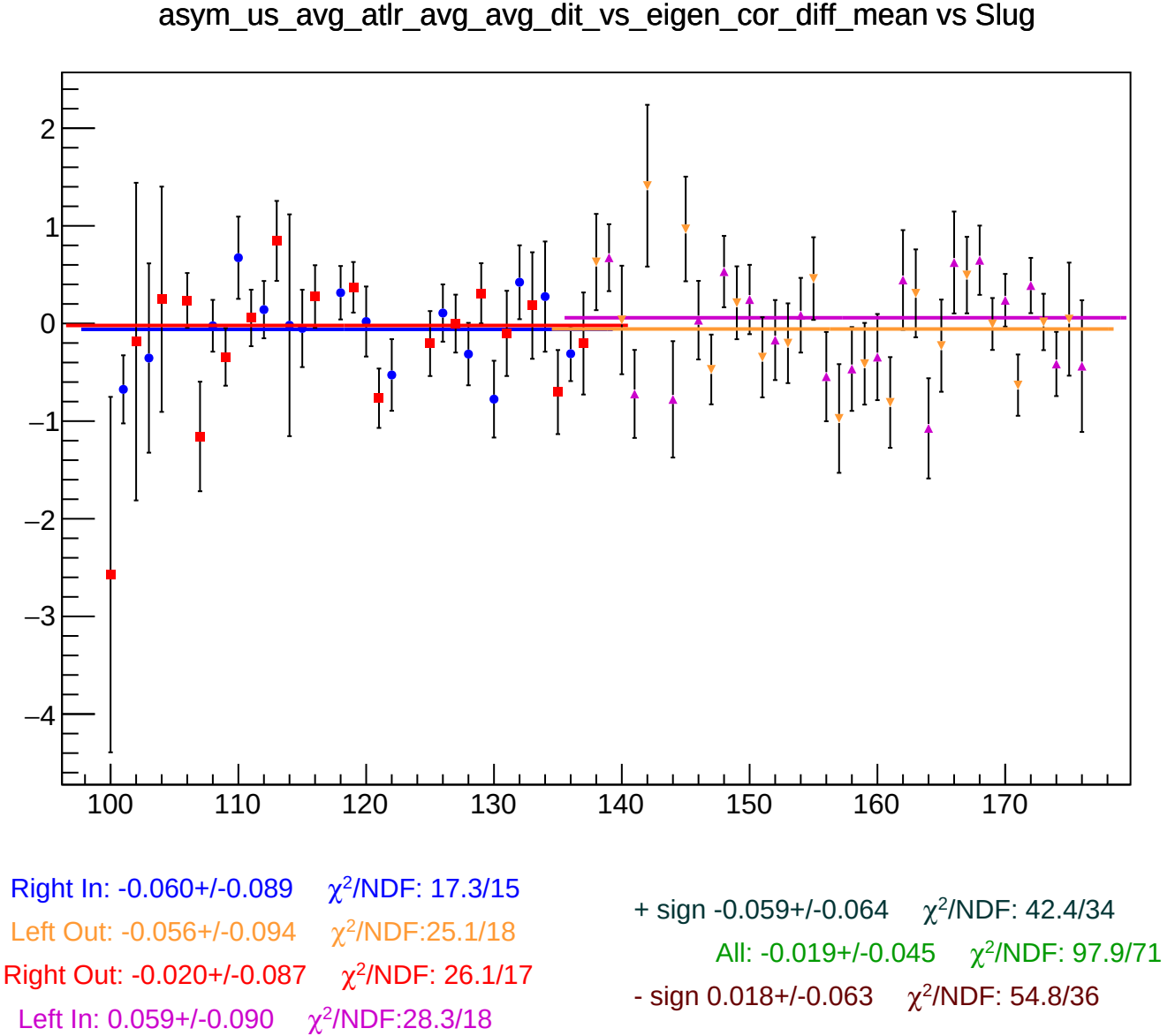
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

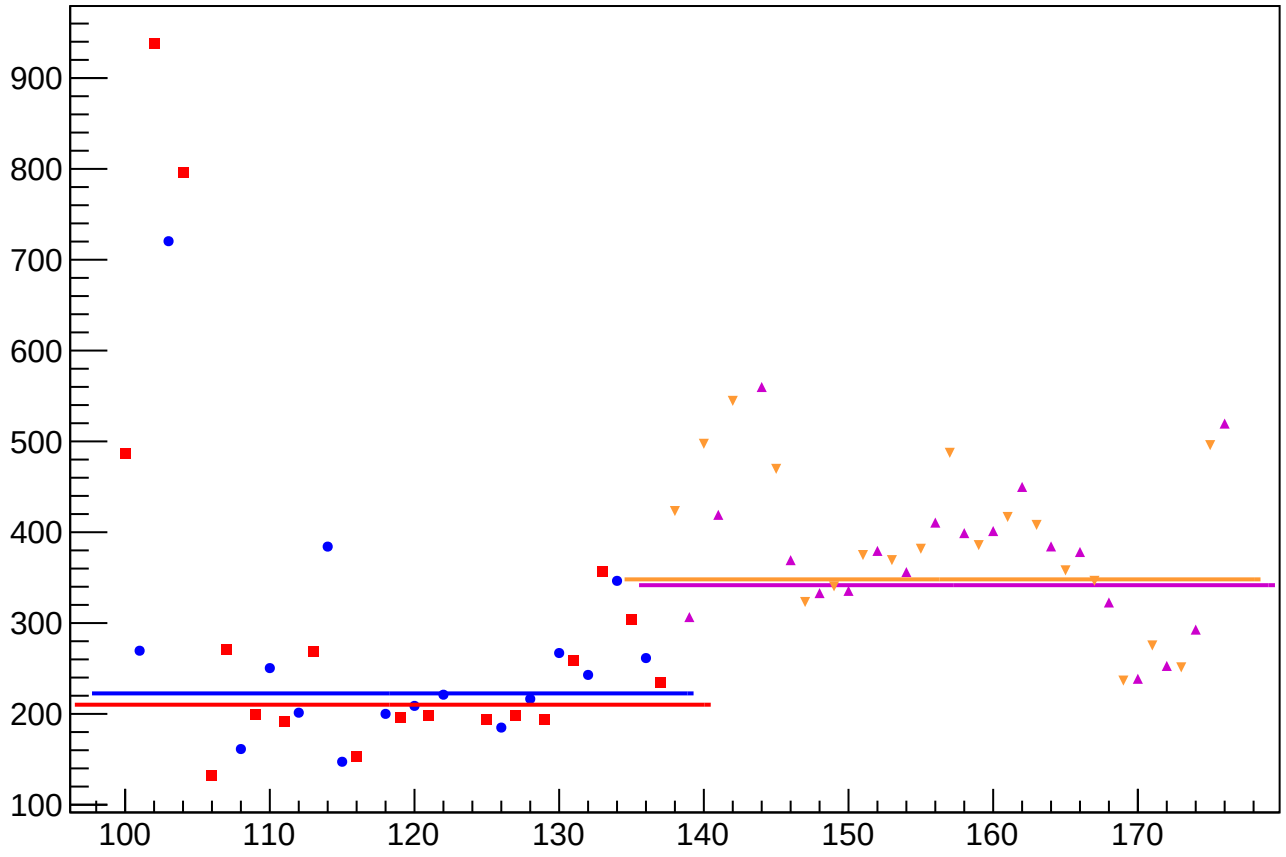
Left In: 341.705+/-0.064 χ^2/NDF:1288127.1/18

+ sign 281.795+/-0.046 χ^2/NDF: 4390178.3/34

All: 277.723+/-0.032 χ^2/NDF: 9436672.0/71

- sign 273.858+/-0.044 χ^2/NDF: 5030927.4/36


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.056+/-0.094 χ²/NDF:25.1/18
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.059+/-0.090 χ²/NDF:28.3/18
+ sign -0.059+/-0.064 χ²/NDF: 42.4/34
All: -0.019+/-0.045 χ²/NDF: 97.9/71
- sign 0.018+/-0.063 χ²/NDF: 54.8/36



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 348.116+/-0.066 χ^2/NDF:1479424.2/18

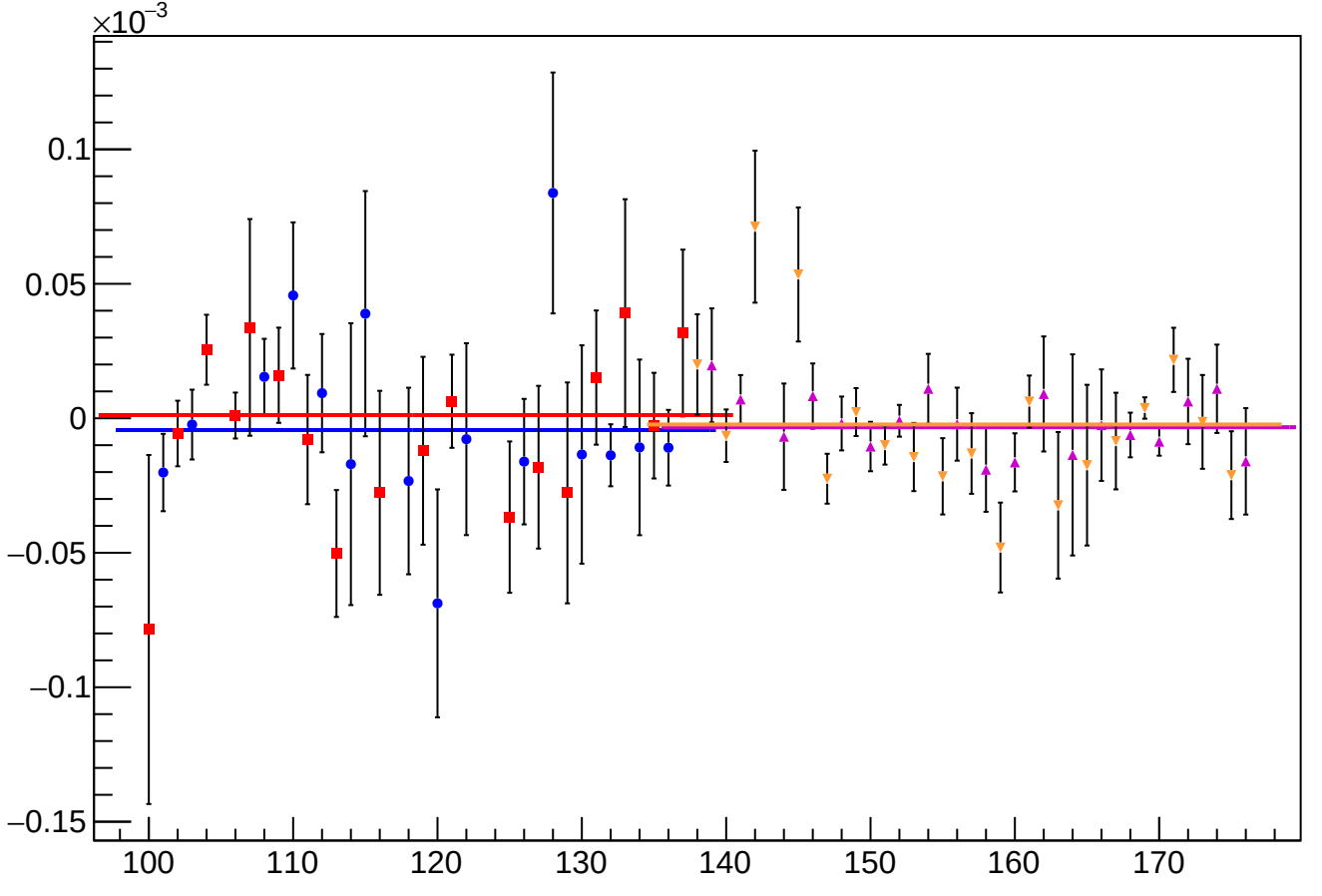
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 341.705+/-0.064 χ^2/NDF:1288127.1/18

+ sign 281.795+/-0.046 χ^2/NDF: 4390178.3/34

All: 277.723+/-0.032 χ^2/NDF: 9436672.0/71

- sign 273.858+/-0.044 χ^2/NDF: 5030927.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.4/18

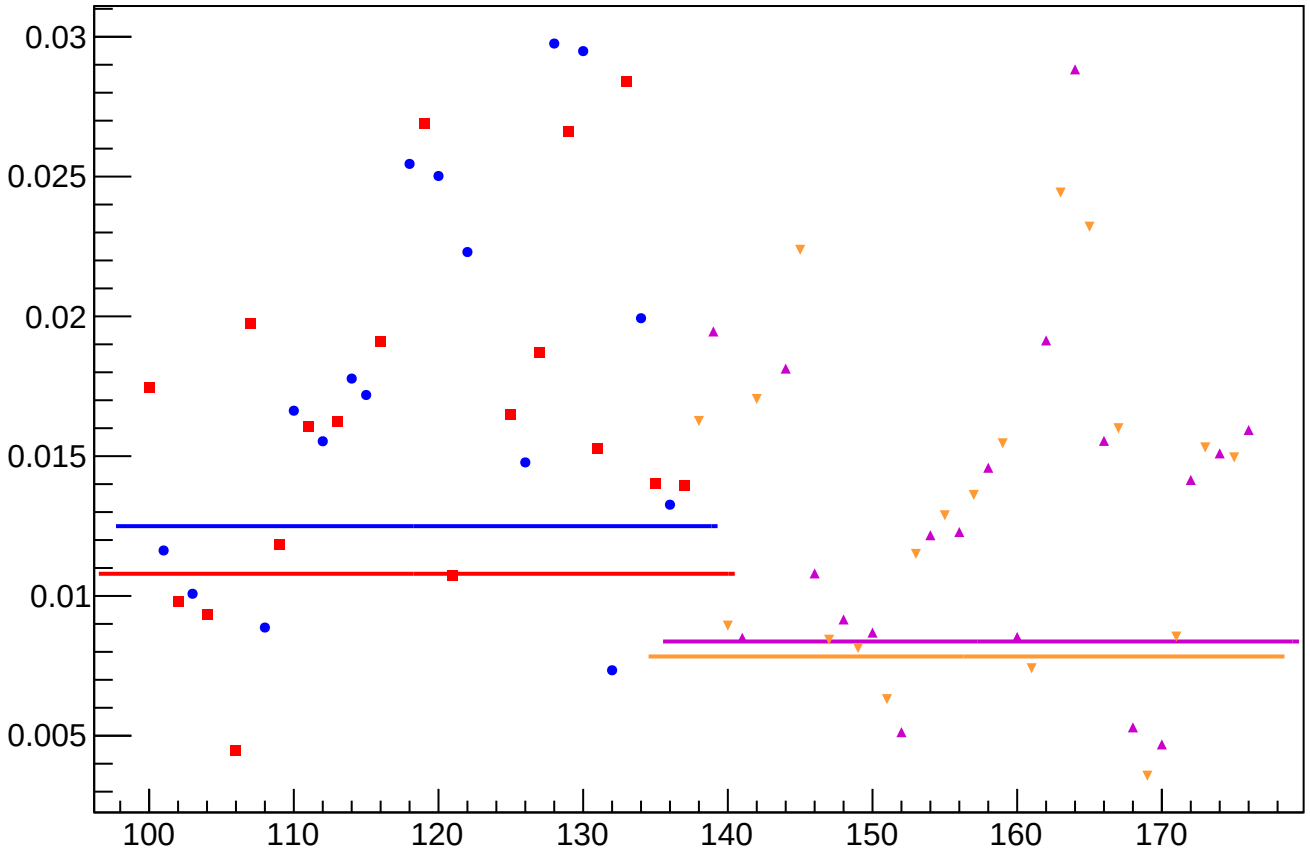
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:11.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 56.2/34

All: -0.000+/-0.000 χ^2/NDF: 85.3/71

- sign -0.000+/-0.000 χ^2/NDF: 29.0/36



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7305444.6/18

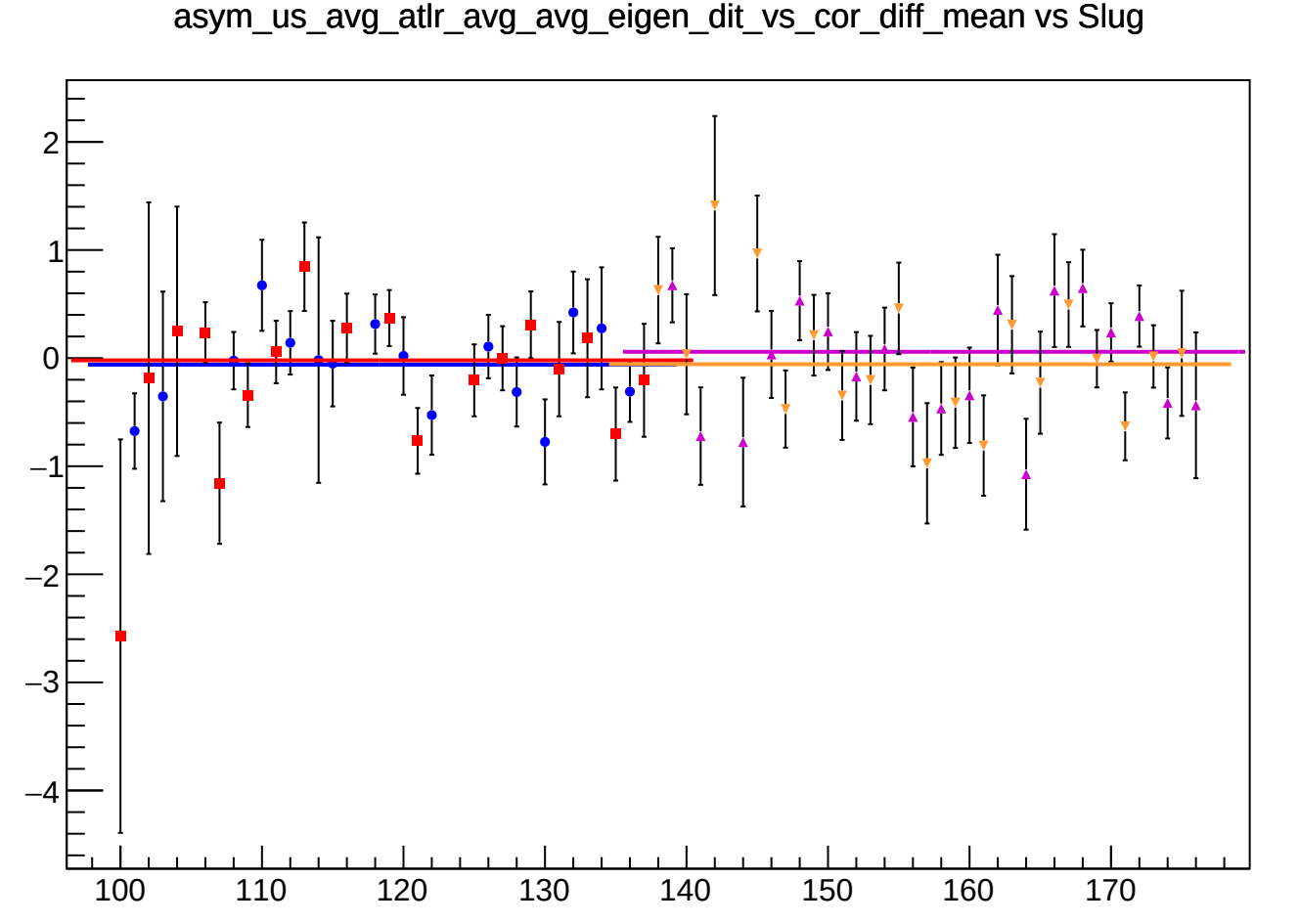
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:5893053.0/18

+ sign 0.009+/-0.000 χ^2/NDF: 10792702.1/34

All: 0.009+/-0.000 χ^2/NDF: 20117268.5/71

- sign 0.009+/-0.000 χ^2/NDF: 9313942.2/36



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.056+/-0.094 χ^2/NDF:25.1/18

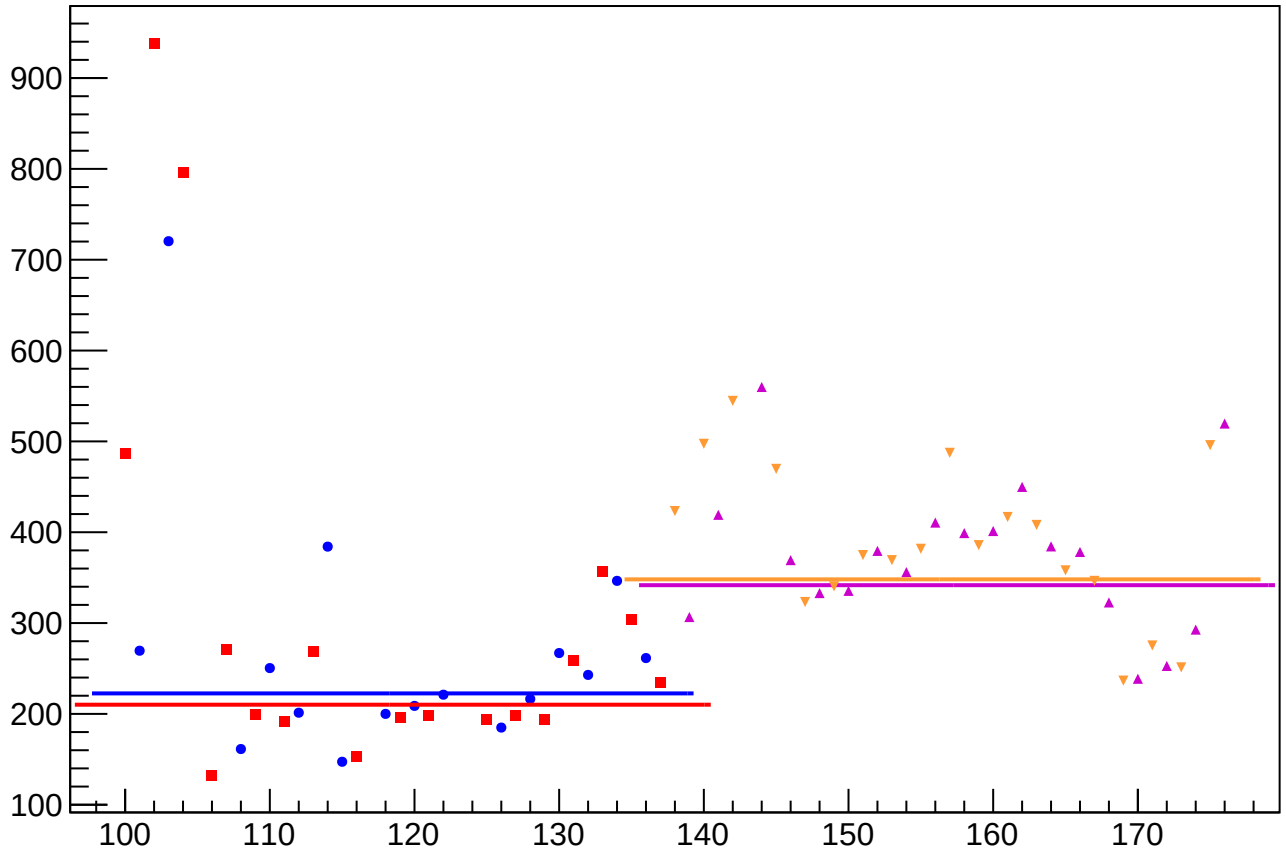
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.059+/-0.090 χ^2/NDF:28.3/18

+ sign -0.059+/-0.064 χ^2/NDF: 42.4/34

All: -0.019+/-0.045 χ^2/NDF: 97.9/71

- sign 0.018+/-0.063 χ^2/NDF: 54.8/36



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 348.116+/-0.066 χ^2/NDF:1479589.6/18

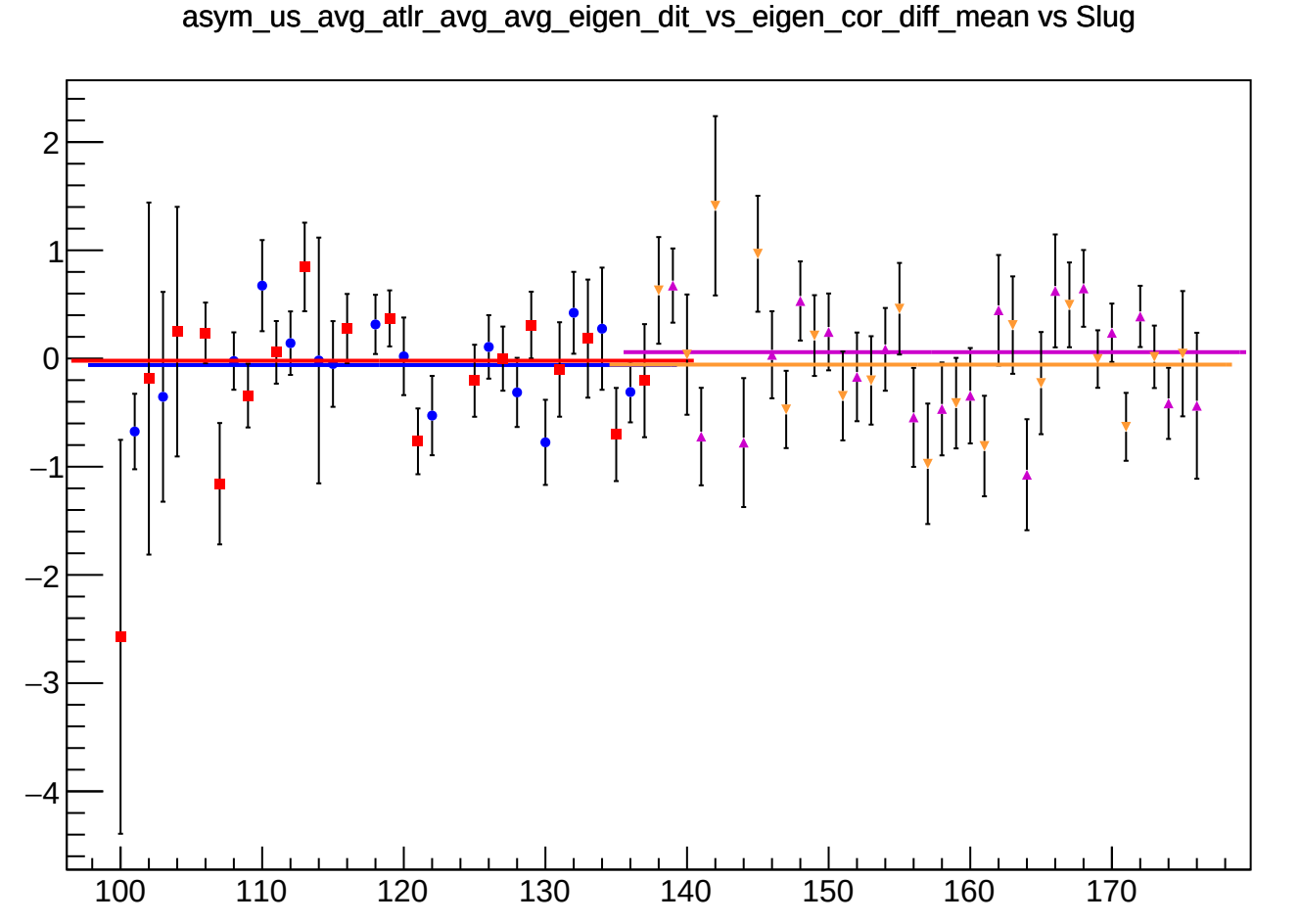
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 341.706+/-0.064 χ^2/NDF:1288262.5/18

+ sign 281.793+/-0.046 χ^2/NDF: 4390391.7/34

All: 277.721+/-0.032 χ^2/NDF: 9437147.4/71

- sign 273.856+/-0.044 χ^2/NDF: 5031188.1/36



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.056+/-0.094 χ^2/NDF:25.1/18

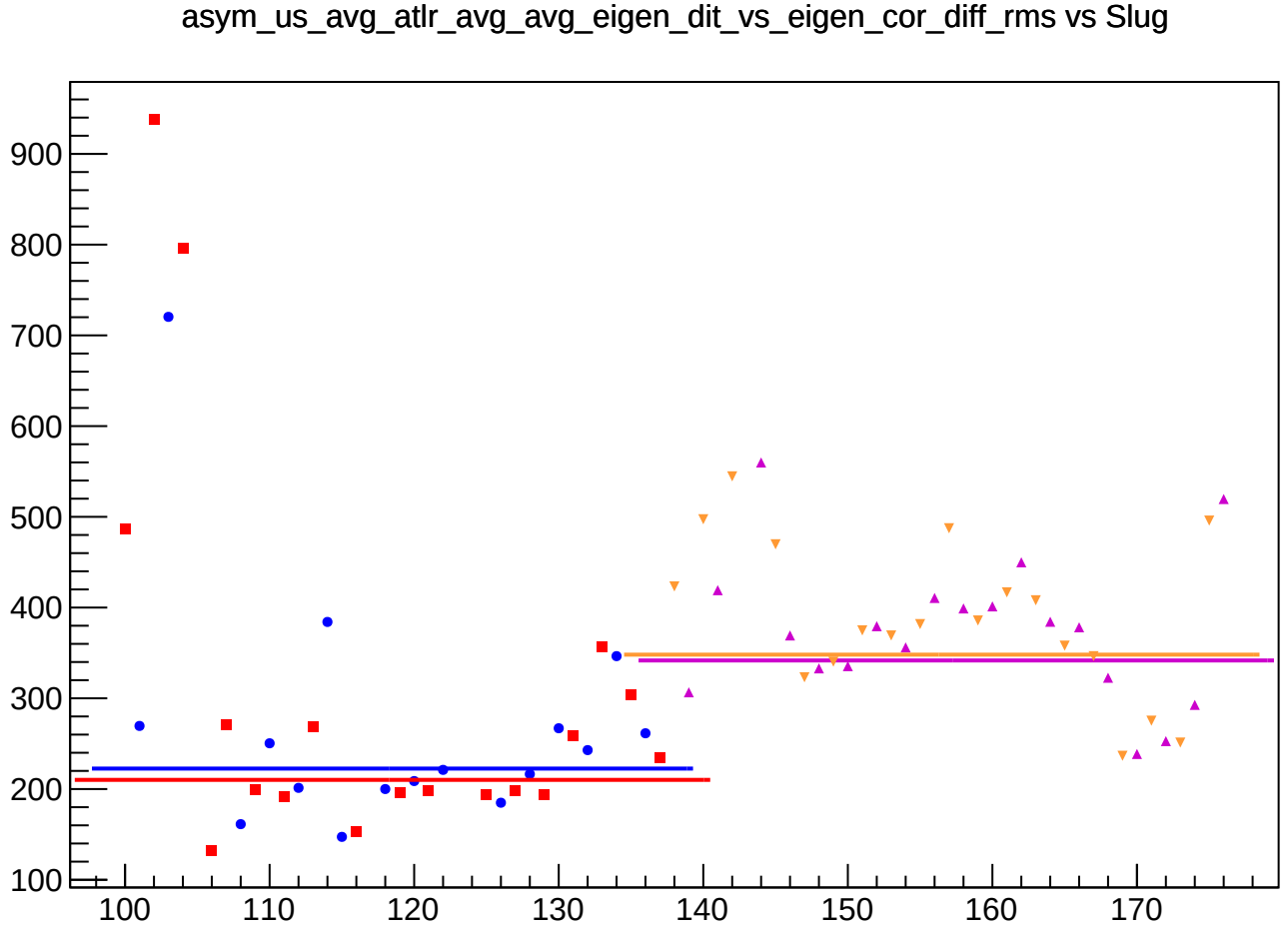
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.059+/-0.090 χ^2/NDF:28.3/18

+ sign -0.059+/-0.064 χ^2/NDF: 42.4/34

All: -0.019+/-0.045 χ^2/NDF: 97.9/71

- sign 0.018+/-0.063 χ^2/NDF: 54.8/36



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 348.116+/-0.066 χ^2/NDF:1479589.6/18

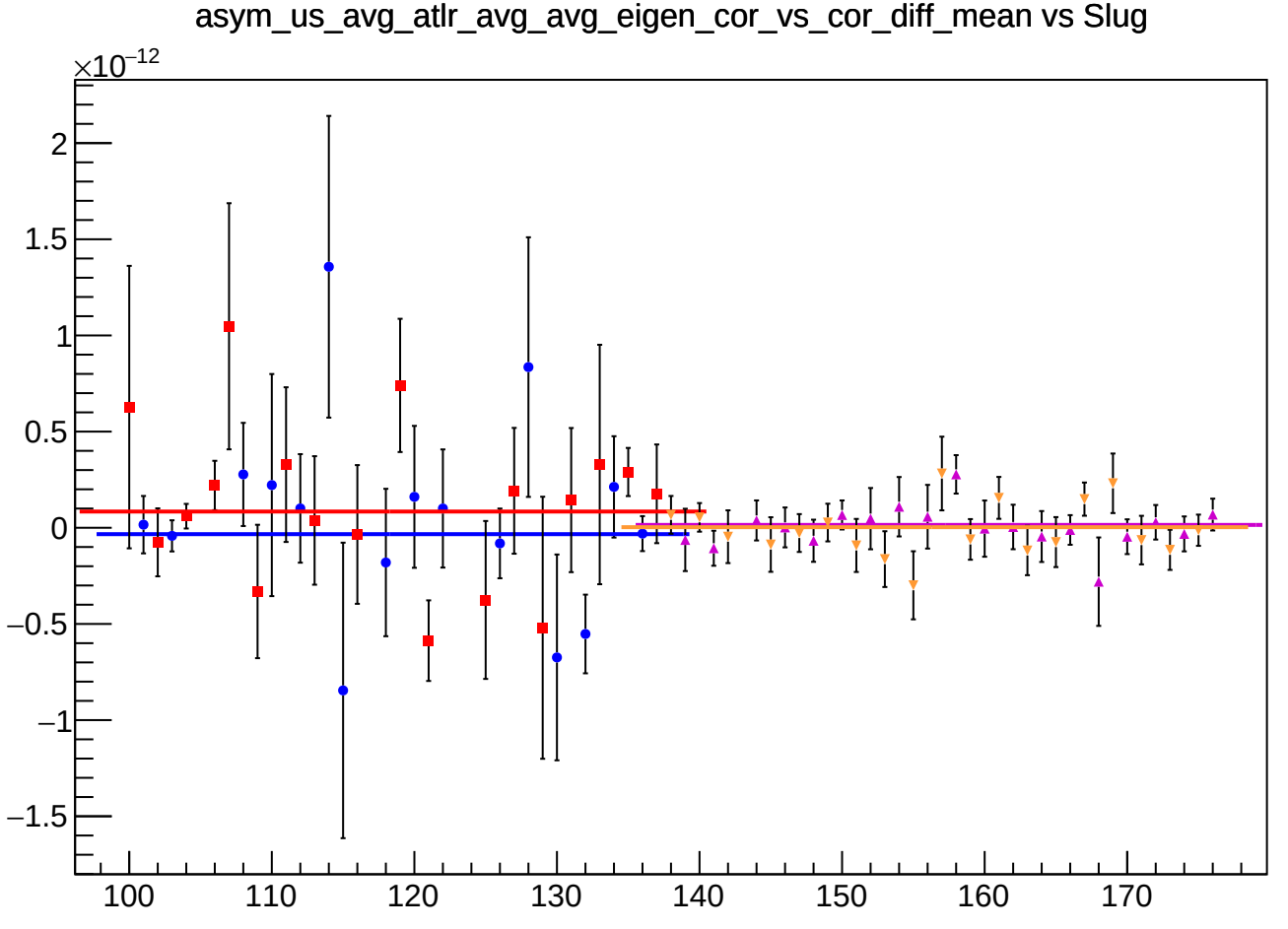
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 341.706+/-0.064 χ^2/NDF:1288262.5/18

+ sign 281.793+/-0.046 χ^2/NDF: 4390391.7/34

All: 277.721+/-0.032 χ^2/NDF: 9437147.4/71

- sign 273.856+/-0.044 χ^2/NDF: 5031188.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/18

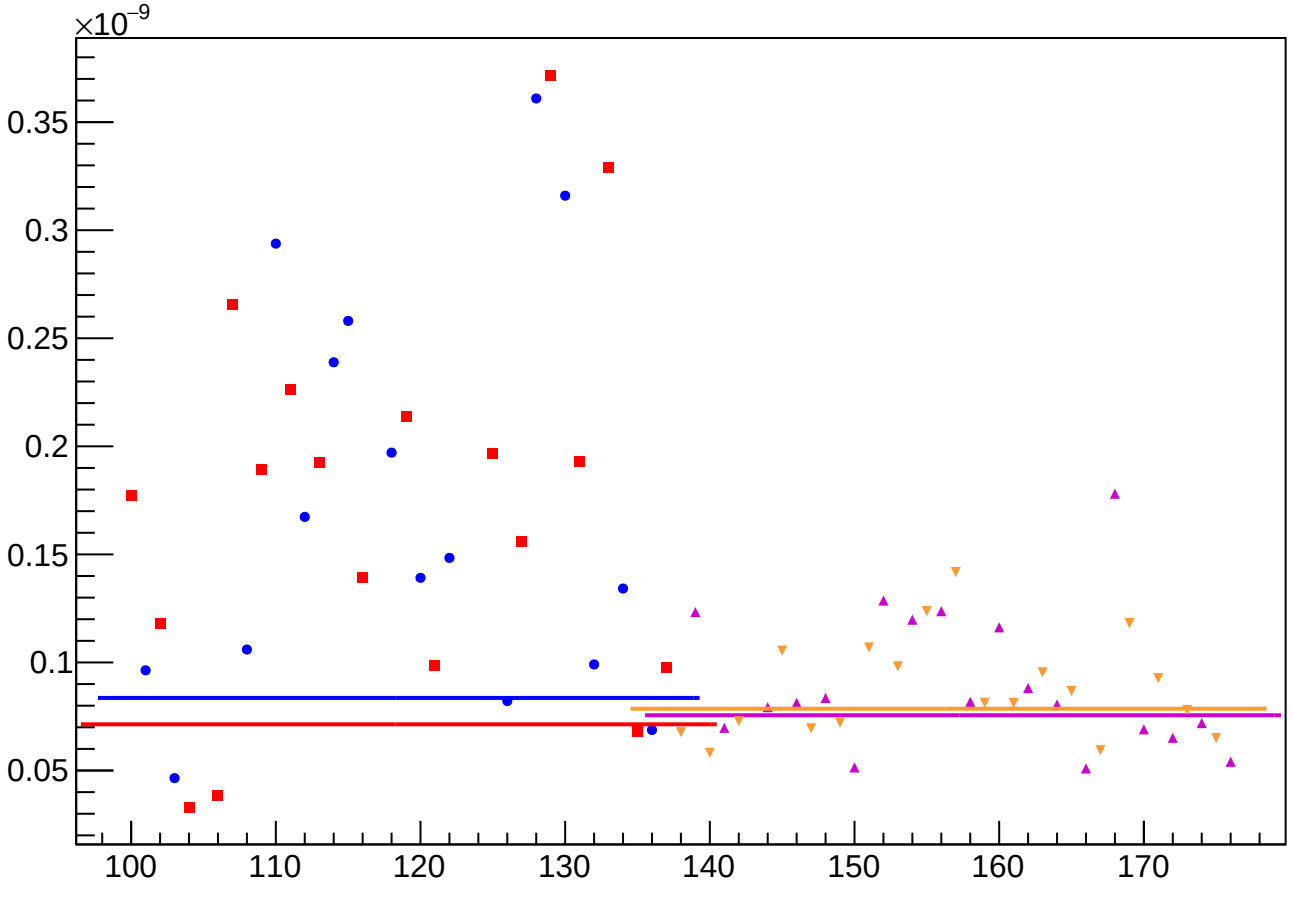
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:13.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 36.3/34

All: 0.000+/-0.000 χ^2/NDF: 79.0/71

- sign 0.000+/-0.000 χ^2/NDF: 41.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1101795.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

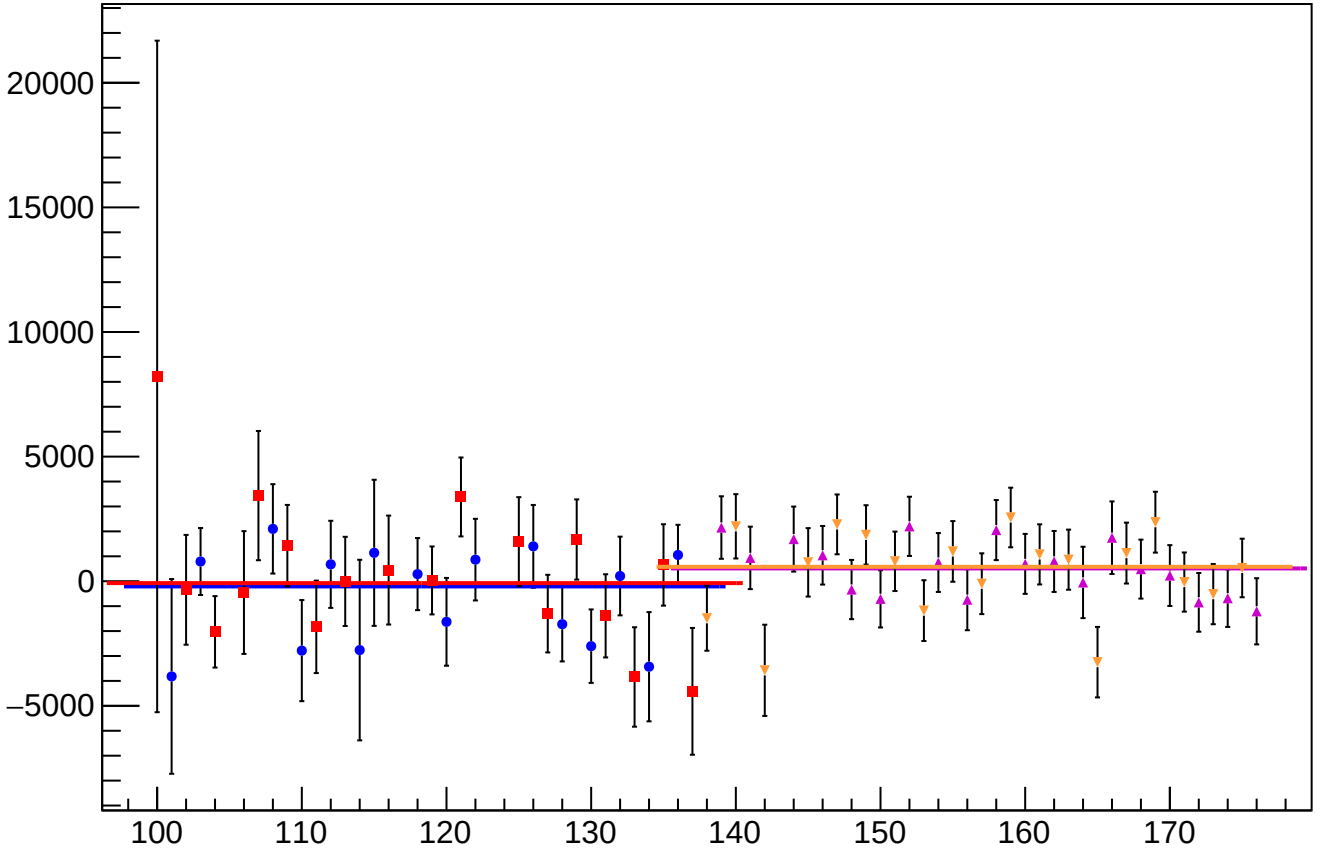
Left In: 0.000+/-0.000 χ^2/NDF:1927381.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 3354572.6/34

All: 0.000+/-0.000 χ^2/NDF: 9095788.3/71

- sign 0.000+/-0.000 χ^2/NDF: 5686370.0/36

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 578.208+/-286.595 χ^2/NDF:28.8/18

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

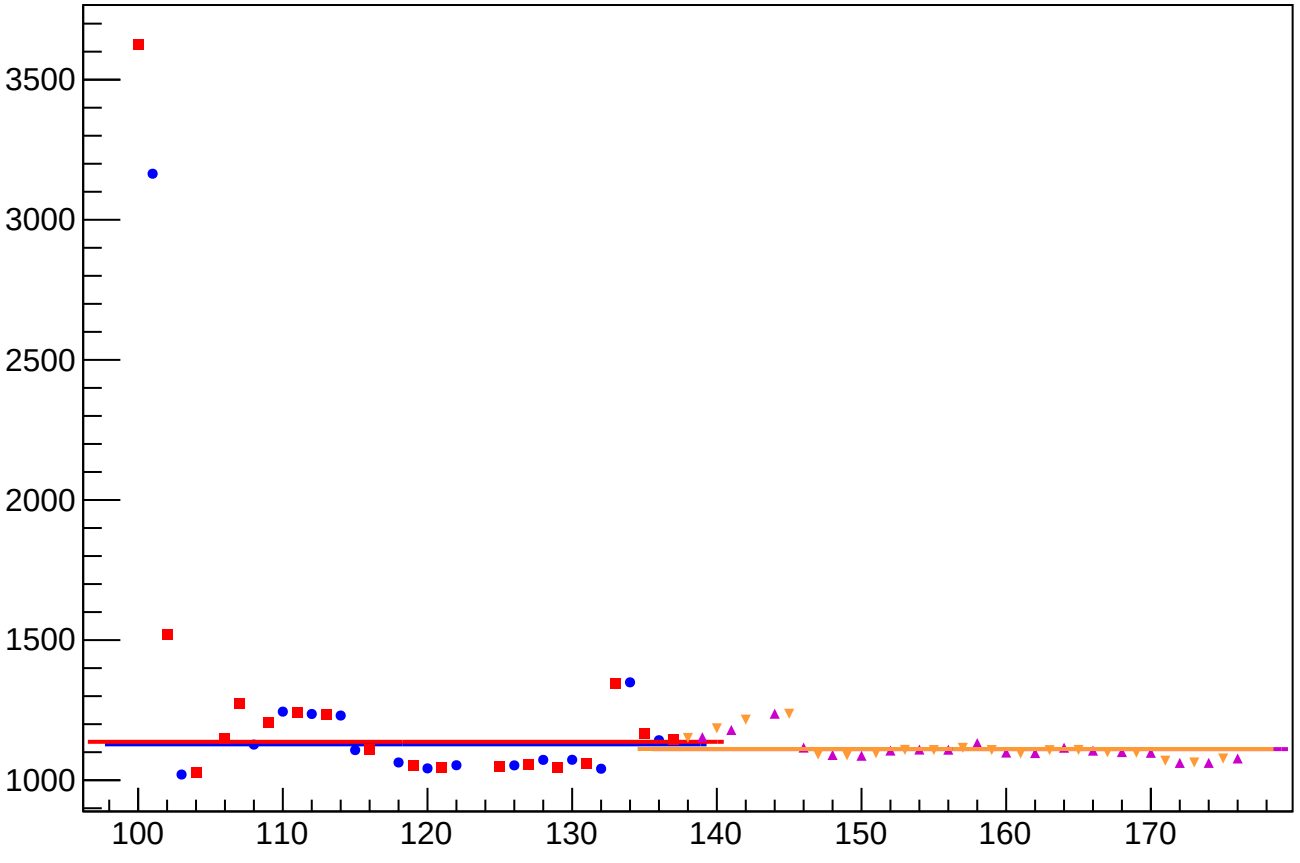
Left In: 513.674+/-281.992 χ^2/NDF:14.3/18

\+ sign 335.618+/-238.335 χ^2/NDF: 45.9/34

All: 336.262+/-167.673 χ^2/NDF: 82.2/71

\- sign 336.893+/-235.933 χ^2/NDF: 36.3/36

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1111.367+/-0.203 χ^2/NDF:41468.7/18

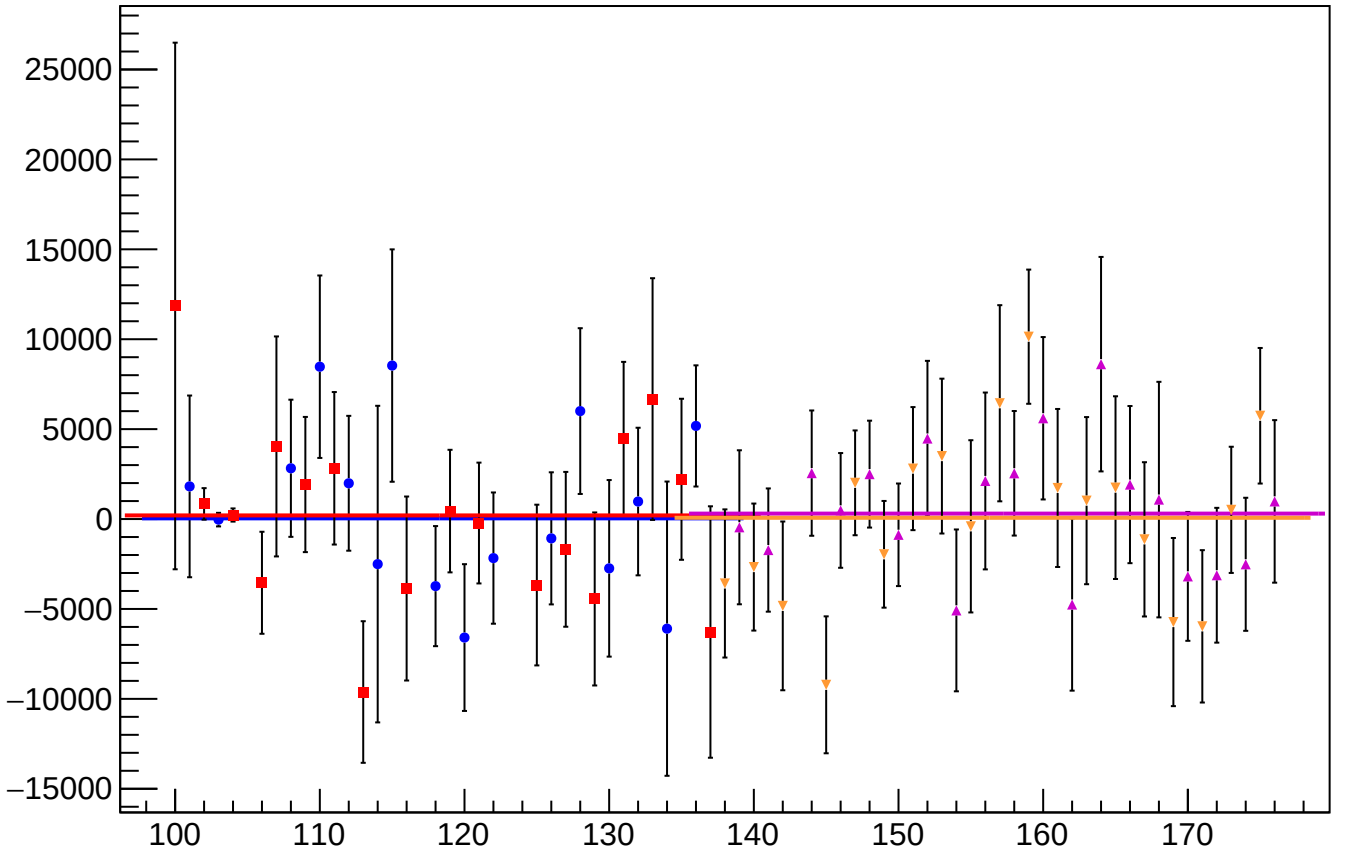
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1110.946+/-0.199 χ^2/NDF:38478.5/18

+ sign 1116.500+/-0.169 χ^2/NDF: 664942.7/34

All: 1117.659+/-0.119 χ^2/NDF: 928752.1/71

- sign 1118.794+/-0.167 χ^2/NDF: 263715.7/36



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 68.839+/-906.296 χ^2/NDF:25.5/18

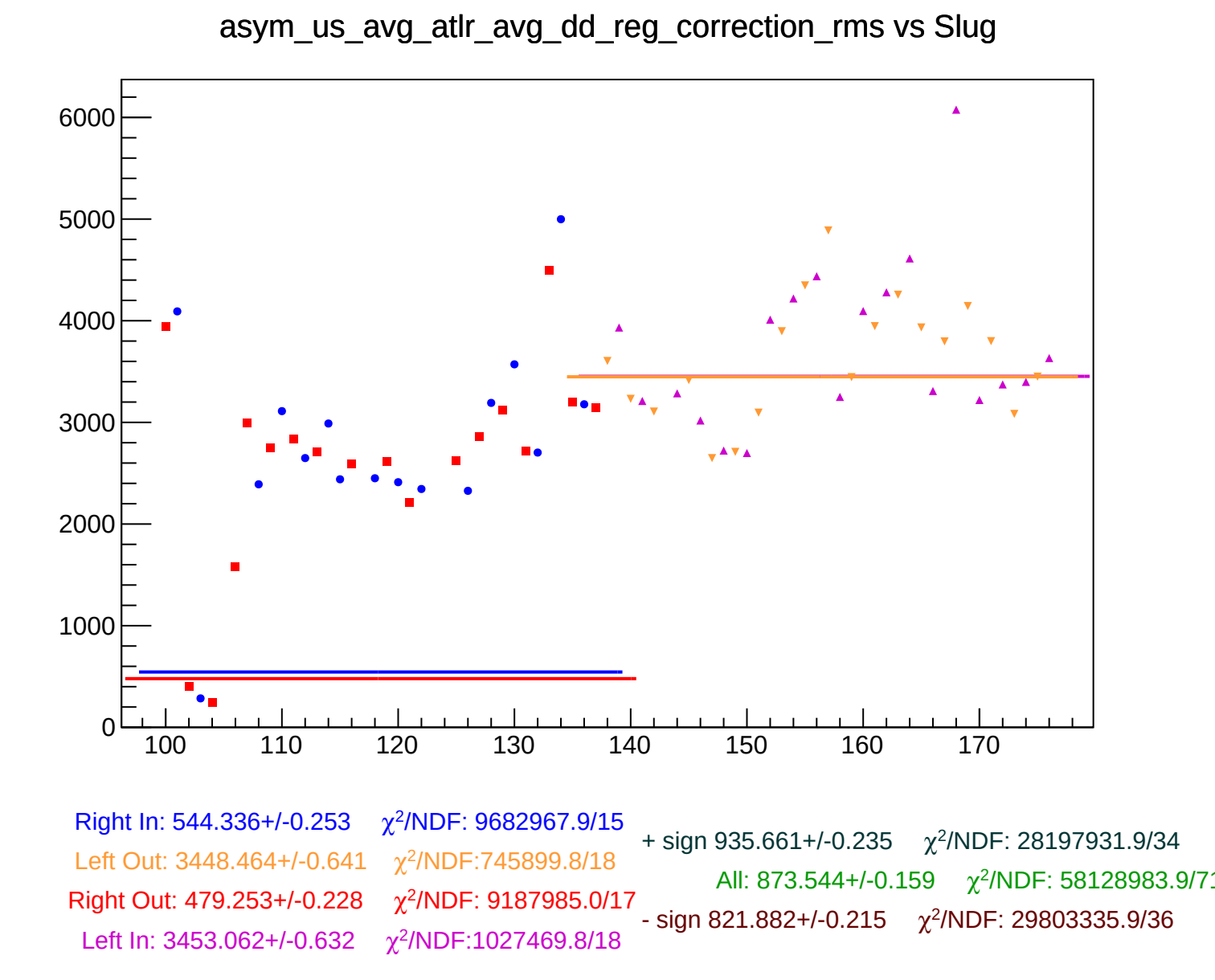
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 302.206+/-893.826 χ^2/NDF:11.4/18

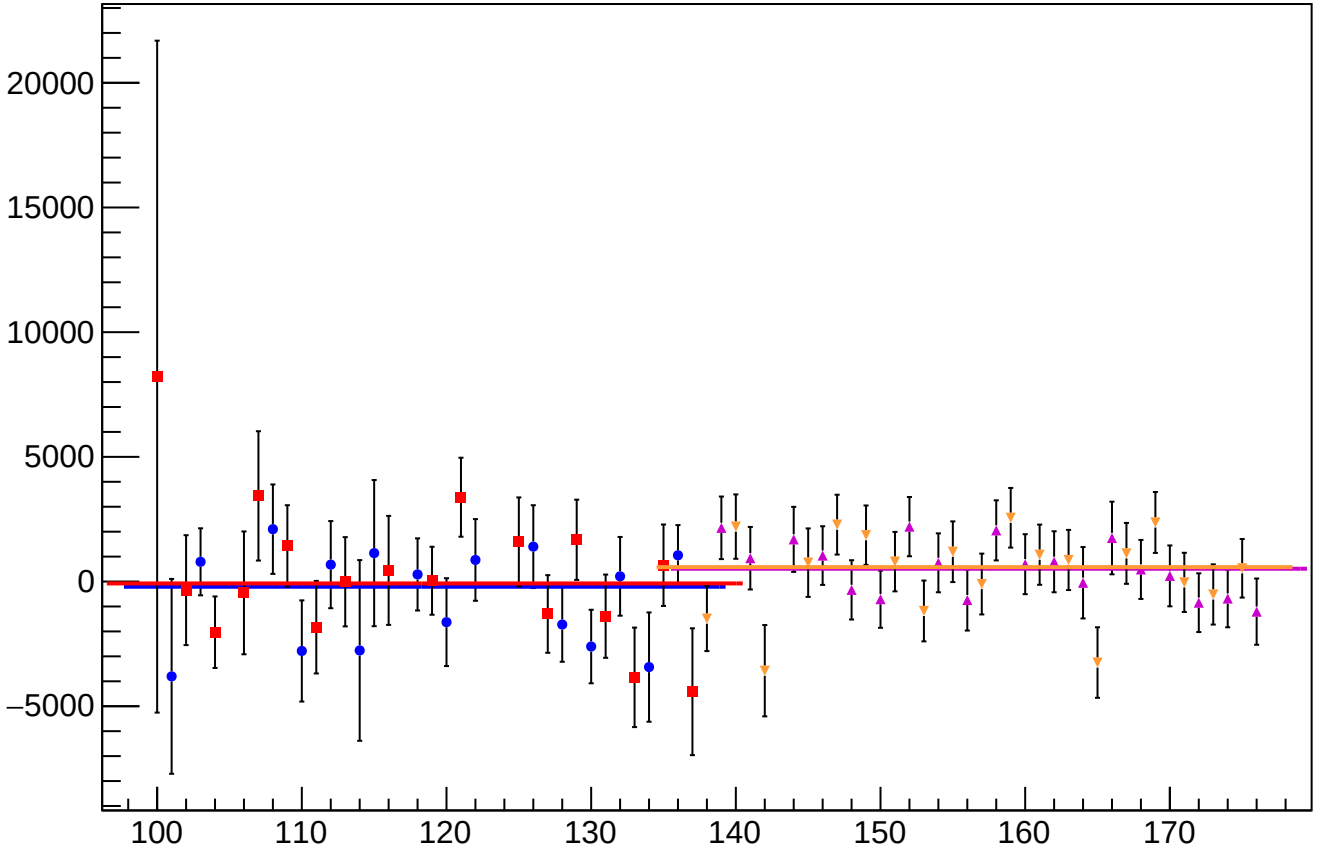
+ sign 42.415+/-332.683 χ^2/NDF: 40.3/34

All: 135.670+/-224.174 χ^2/NDF: 67.5/71

- sign 213.228+/-303.395 χ^2/NDF: 27.1/36


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 544.336+/-0.253 χ²/NDF: 9682967.9/15
Left Out: 3448.464+/-0.641 χ²/NDF:745899.8/18
Right Out: 479.253+/-0.228 χ²/NDF: 9187985.0/17
Left In: 3453.062+/-0.632 χ²/NDF:1027469.8/18
+ sign 935.661+/-0.235 χ²/NDF: 28197931.9/34
All: 873.544+/-0.159 χ²/NDF: 58128983.9/71
- sign 821.882+/-0.215 χ²/NDF: 29803335.9/36

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 578.265+/-286.595 χ^2/NDF:28.8/18

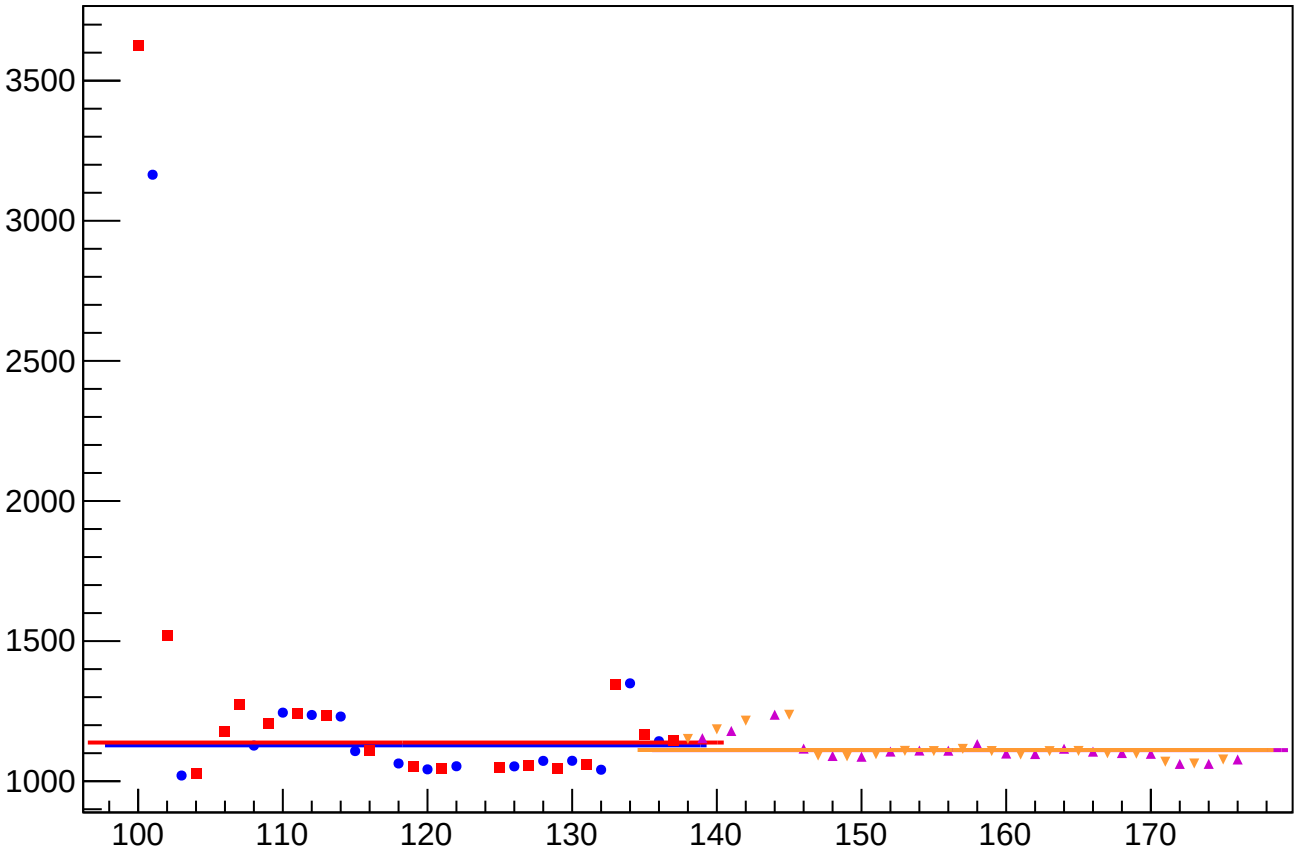
Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: 513.666+/-281.992 χ^2/NDF:14.3/18

\+ sign 335.728+/-238.335 χ^2/NDF: 45.9/34

All: 336.291+/-167.673 χ^2/NDF: 82.2/71

\- sign 336.844+/-235.933 χ^2/NDF: 36.3/36



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1111.367+/-0.203 χ^2/NDF:41468.7/18

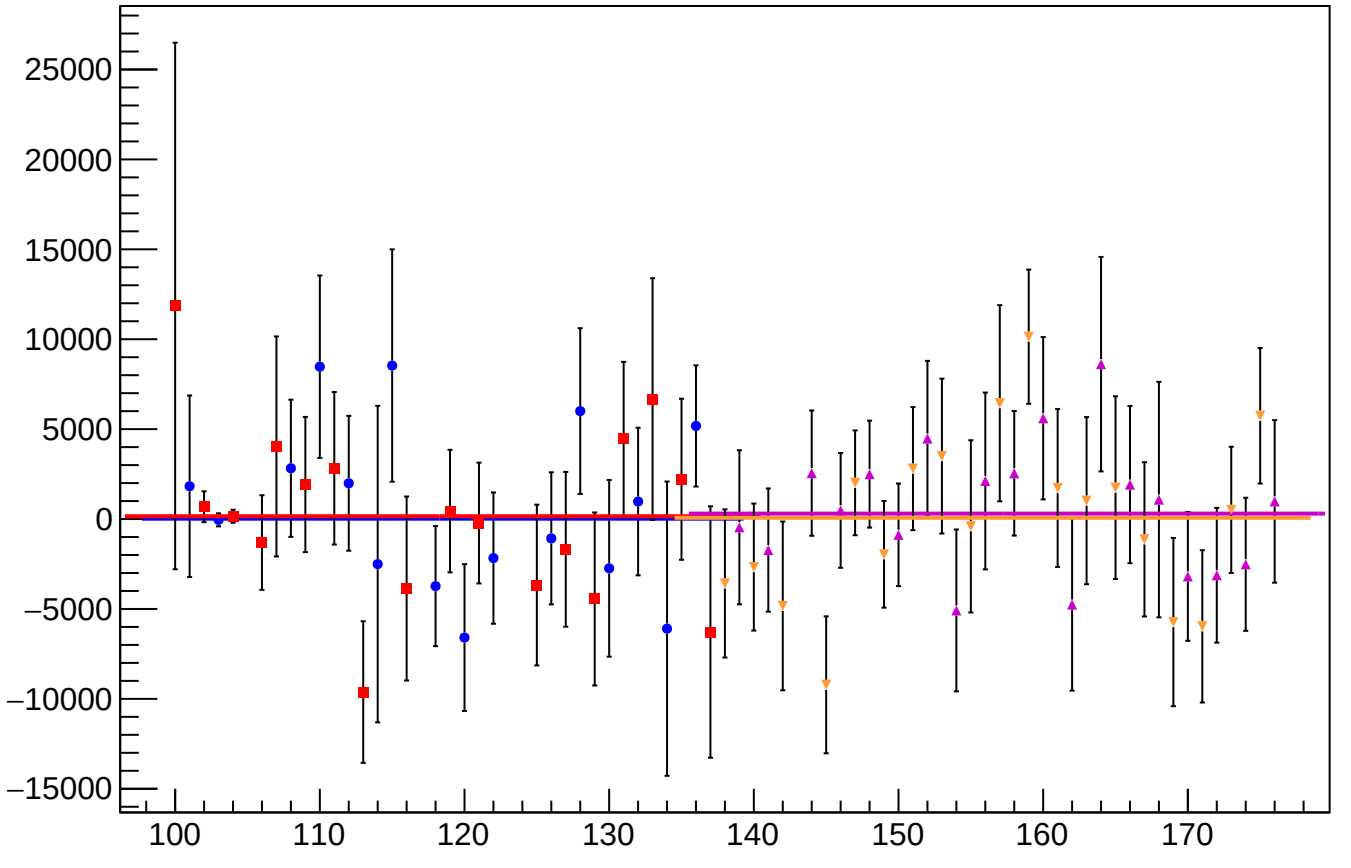
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1110.946+/-0.199 χ^2/NDF:38478.5/18

+ sign 1116.500+/-0.169 χ^2/NDF: 664943.8/34

All: 1117.797+/-0.119 χ^2/NDF: 929690.7/71

- sign 1119.068+/-0.167 χ^2/NDF: 264629.6/36



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 68.892+/-906.296 χ^2/NDF:25.5/18

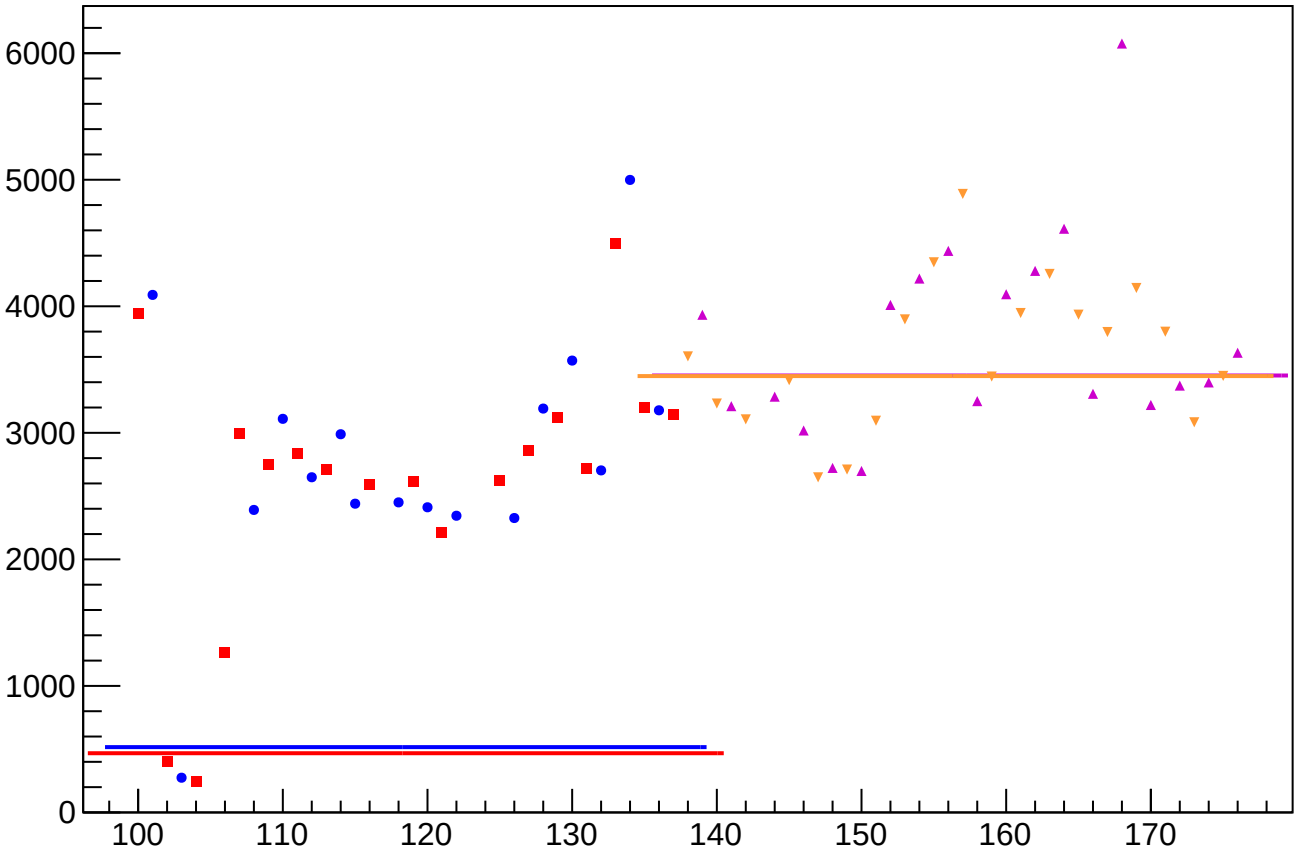
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 302.235+/-893.826 χ^2/NDF:11.4/18

\+ sign 27.611+/-322.041 χ^2/NDF: 40.4/34

All: 105.447+/-219.147 χ^2/NDF: 65.9/71

\- sign 172.577+/-299.074 χ^2/NDF: 25.4/36



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.465+/-0.641 χ^2/NDF:745905.7/18

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

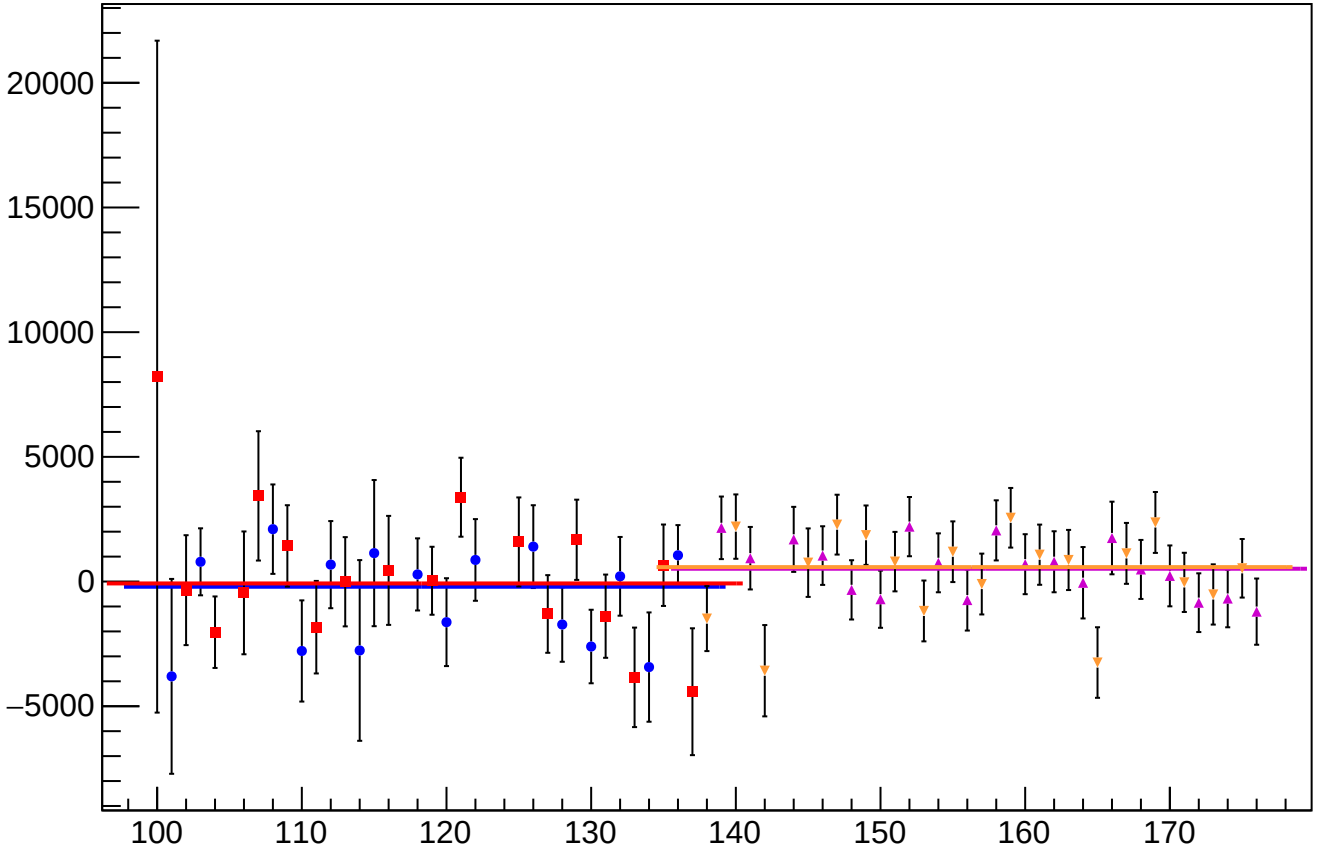
Left In: 3453.061+/-0.632 χ^2/NDF:1027475.7/18

+ sign 886.526+/-0.228 χ^2/NDF: 28872006.8/34

All: 841.277+/-0.155 χ^2/NDF: 58892528.9/71

- sign 802.252+/-0.211 χ^2/NDF: 29946983.6/36

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: 578.265+/-286.595 χ^2/NDF:28.8/18

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

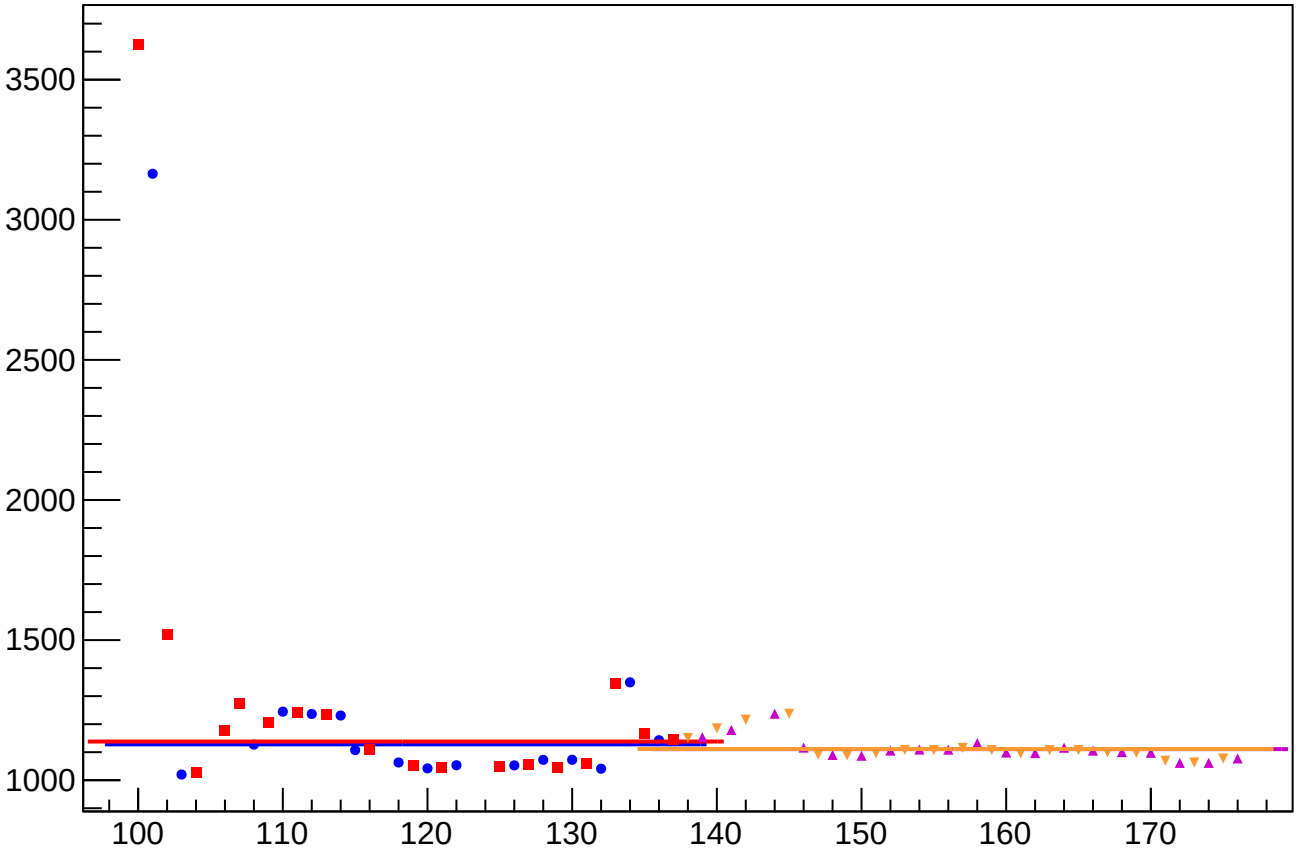
Left In: 513.666+/-281.992 χ^2/NDF:14.3/18

+ sign 335.728+/-238.335 χ^2/NDF: 45.9/34

All: 336.291+/-167.673 χ^2/NDF: 82.2/71

- sign 336.844+/-235.933 χ^2/NDF: 36.3/36

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: 1111.367+/-0.203 χ^2/NDF:41468.7/18

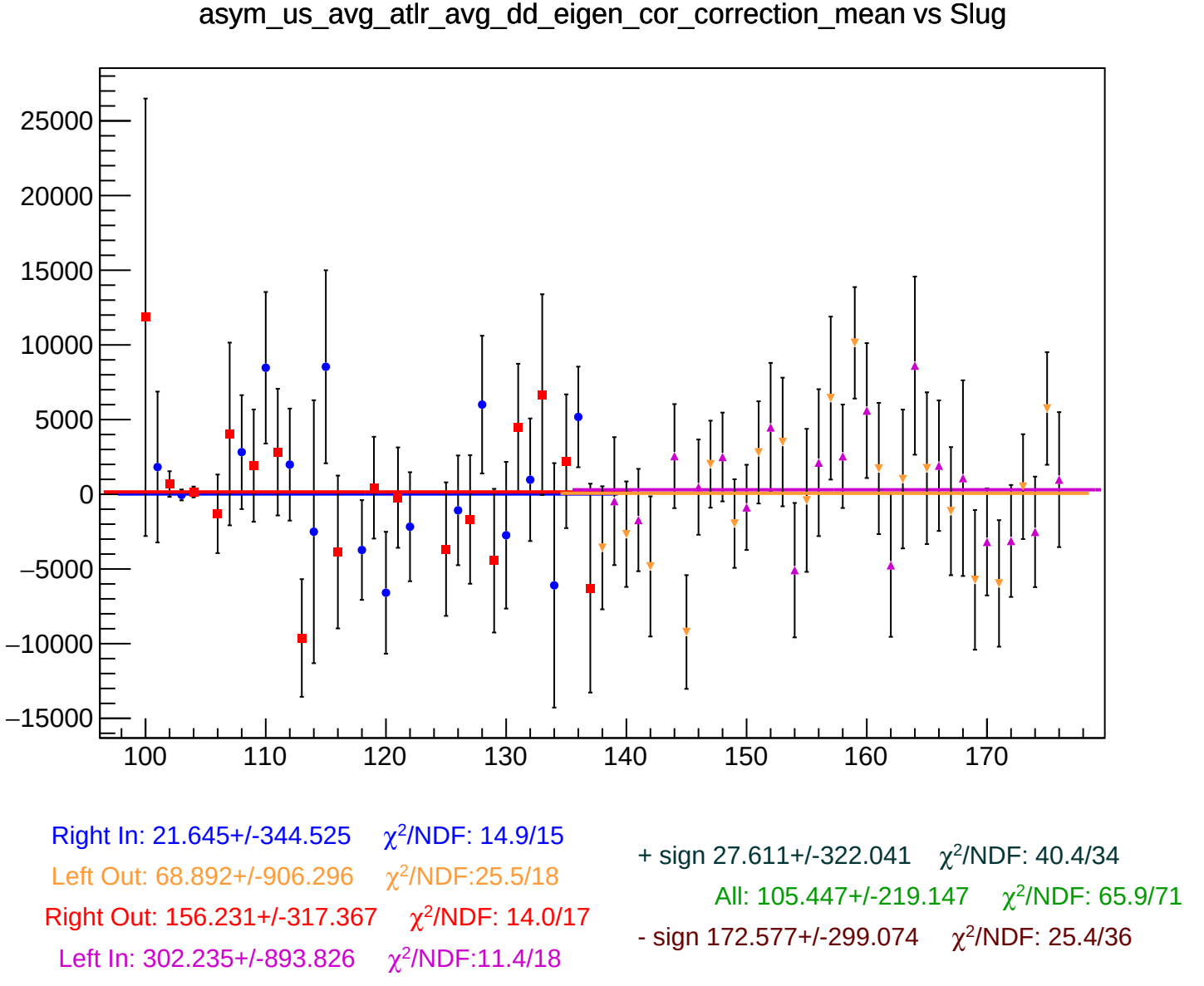
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

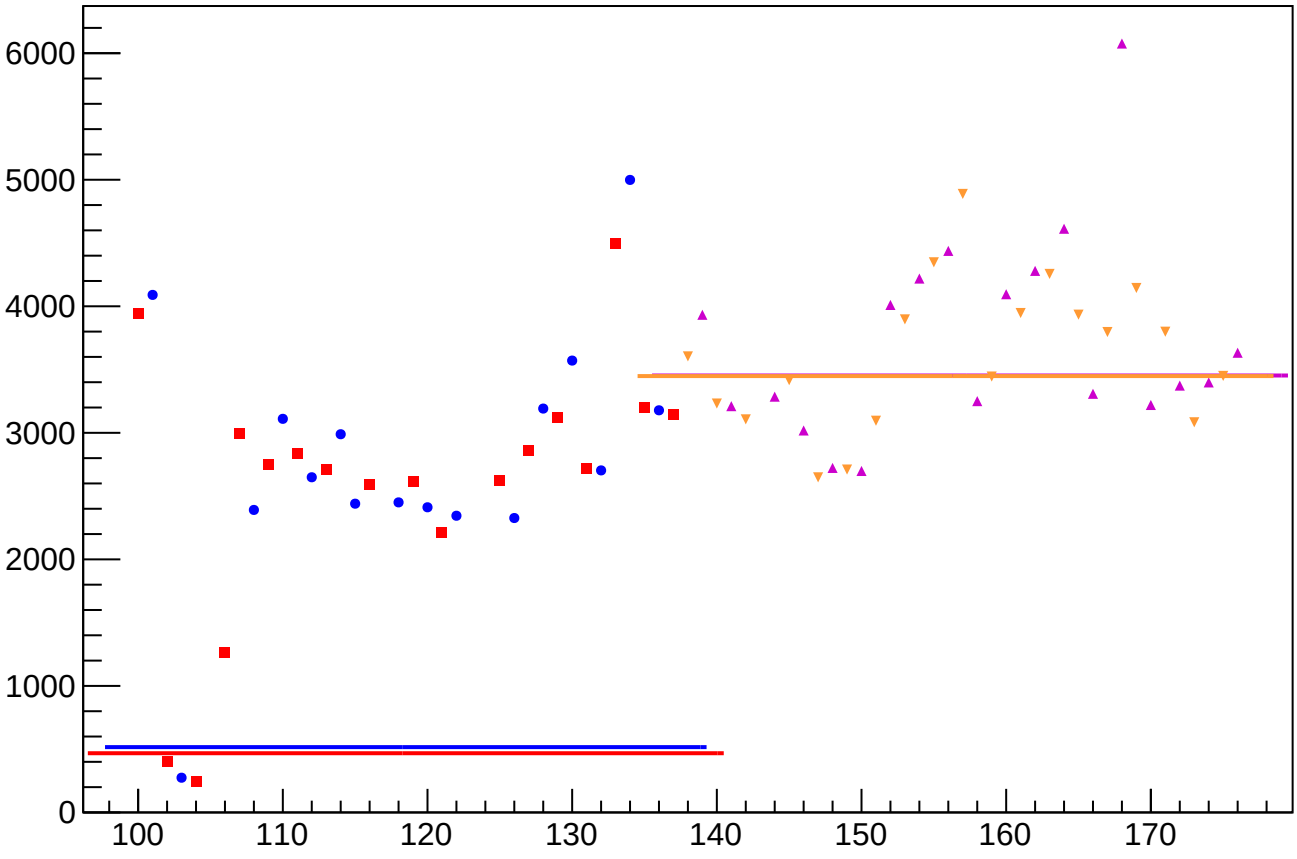
Left In: 1110.946+/-0.199 χ^2/NDF:38478.5/18

+ sign 1116.500+/-0.169 χ^2/NDF: 664943.8/34

All: 1117.797+/-0.119 χ^2/NDF: 929690.7/71

- sign 1119.068+/-0.167 χ^2/NDF: 264629.6/36


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: 68.892+/-906.296 χ²/NDF:25.5/18
Right Out: 156.231+/-317.367 χ²/NDF: 14.0/17
Left In: 302.235+/-893.826 χ²/NDF:11.4/18
+ sign 27.611+/-322.041 χ²/NDF: 40.4/34
All: 105.447+/-219.147 χ²/NDF: 65.9/71
- sign 172.577+/-299.074 χ²/NDF: 25.4/36



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.465+/-0.641 χ^2/NDF:745905.7/18

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

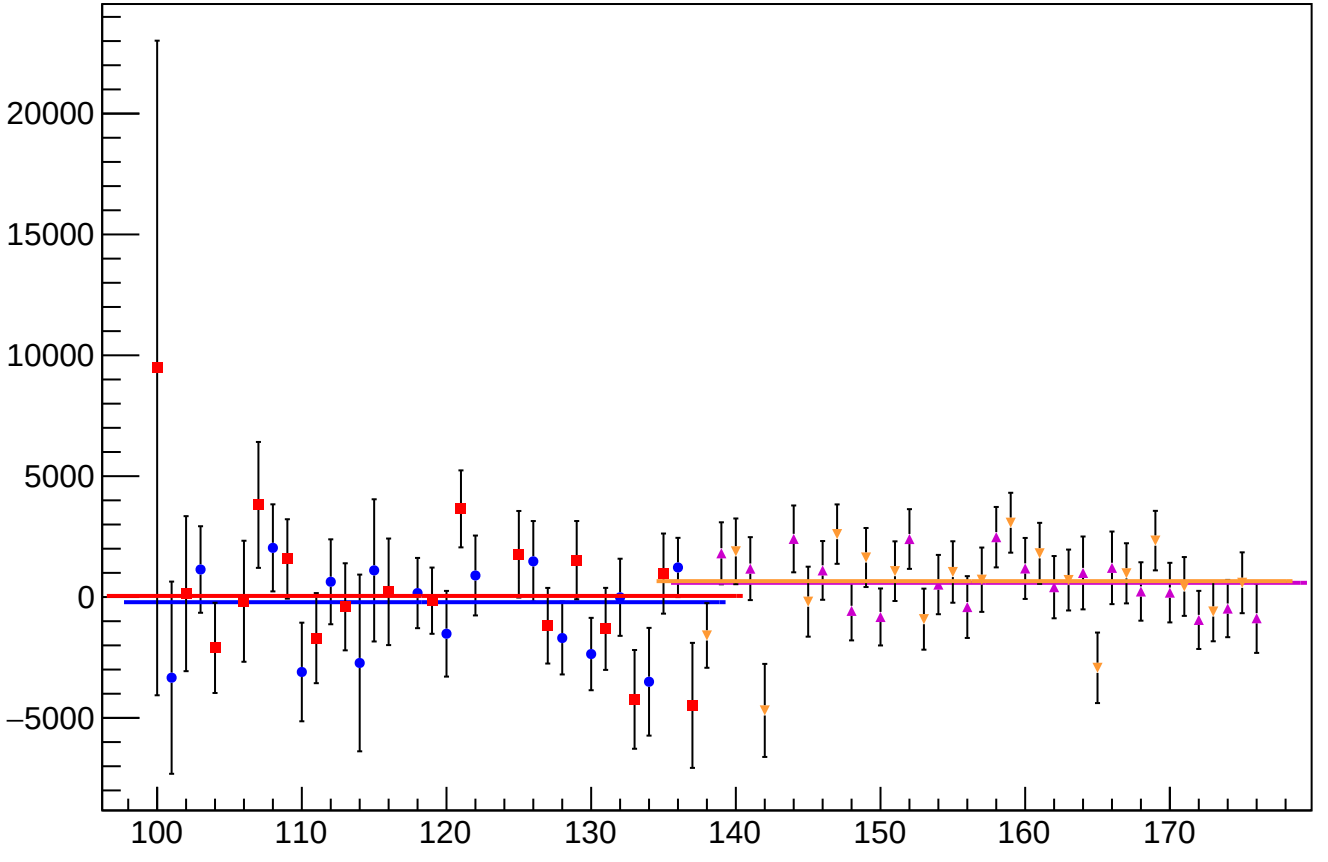
Left In: 3453.061+/-0.632 χ^2/NDF:1027475.7/18

+ sign 886.526+/-0.228 χ^2/NDF: 28872006.8/34

All: 841.277+/-0.155 χ^2/NDF: 58892528.9/71

- sign 802.252+/-0.211 χ^2/NDF: 29946983.6/36

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 657.122+/-297.475 χ^2/NDF:30.3/18

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

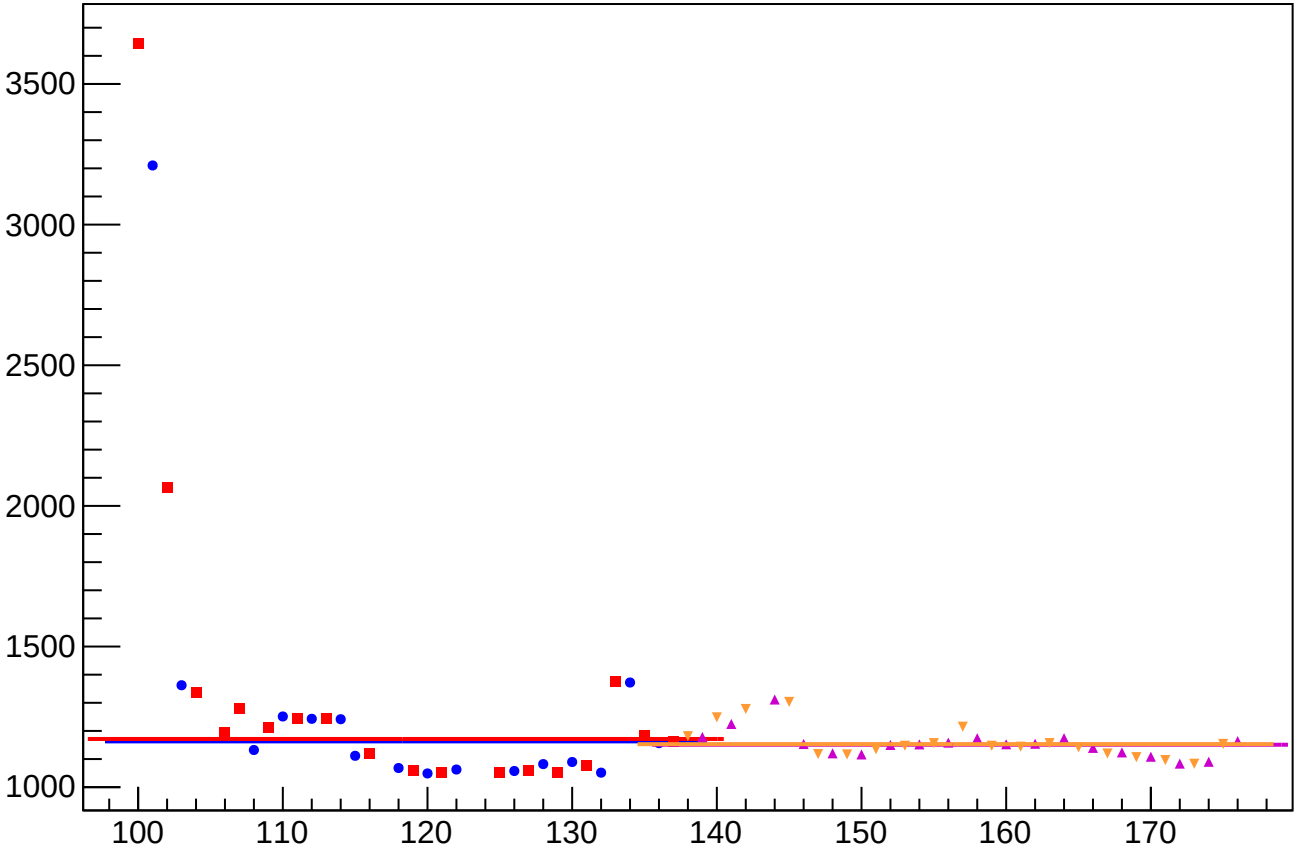
Left In: 588.408+/-292.245 χ^2/NDF:14.6/18

+ sign 386.416+/-246.907 χ^2/NDF: 47.3/34

All: 406.370+/-173.783 χ^2/NDF: 84.6/71

- sign 425.959+/-244.642 χ^2/NDF: 37.3/36

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1152.889+/-0.210 χ^2/NDF:64220.9/18

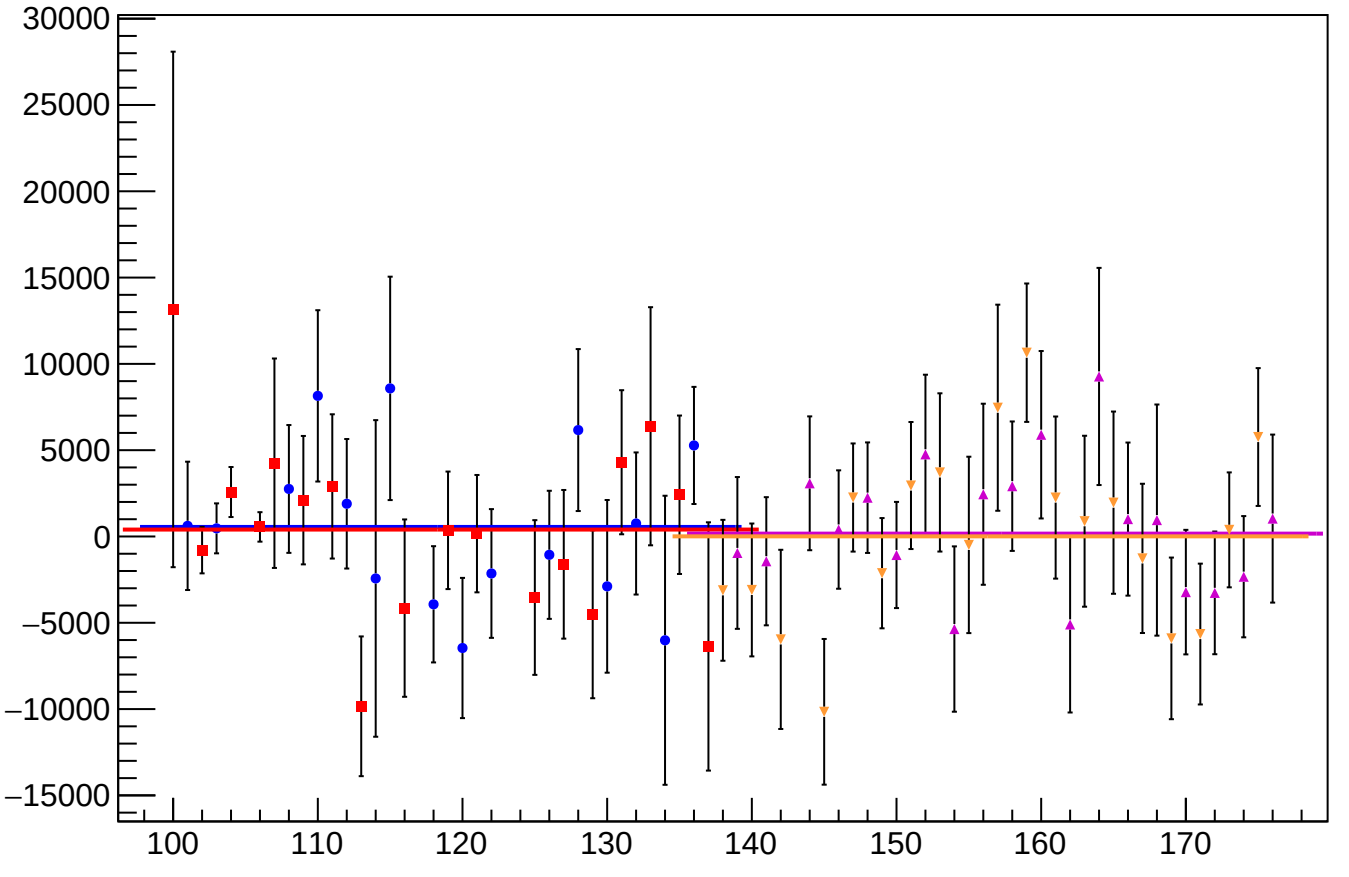
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1150.906+/-0.207 χ^2/NDF:53796.5/18

+ sign 1155.988+/-0.175 χ^2/NDF: 700272.2/34

All: 1156.524+/-0.123 χ^2/NDF: 1088679.0/71

- sign 1157.049+/-0.173 χ^2/NDF: 388388.2/36



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 7.804+/-951.368 χ^2/NDF:25.3/18

Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

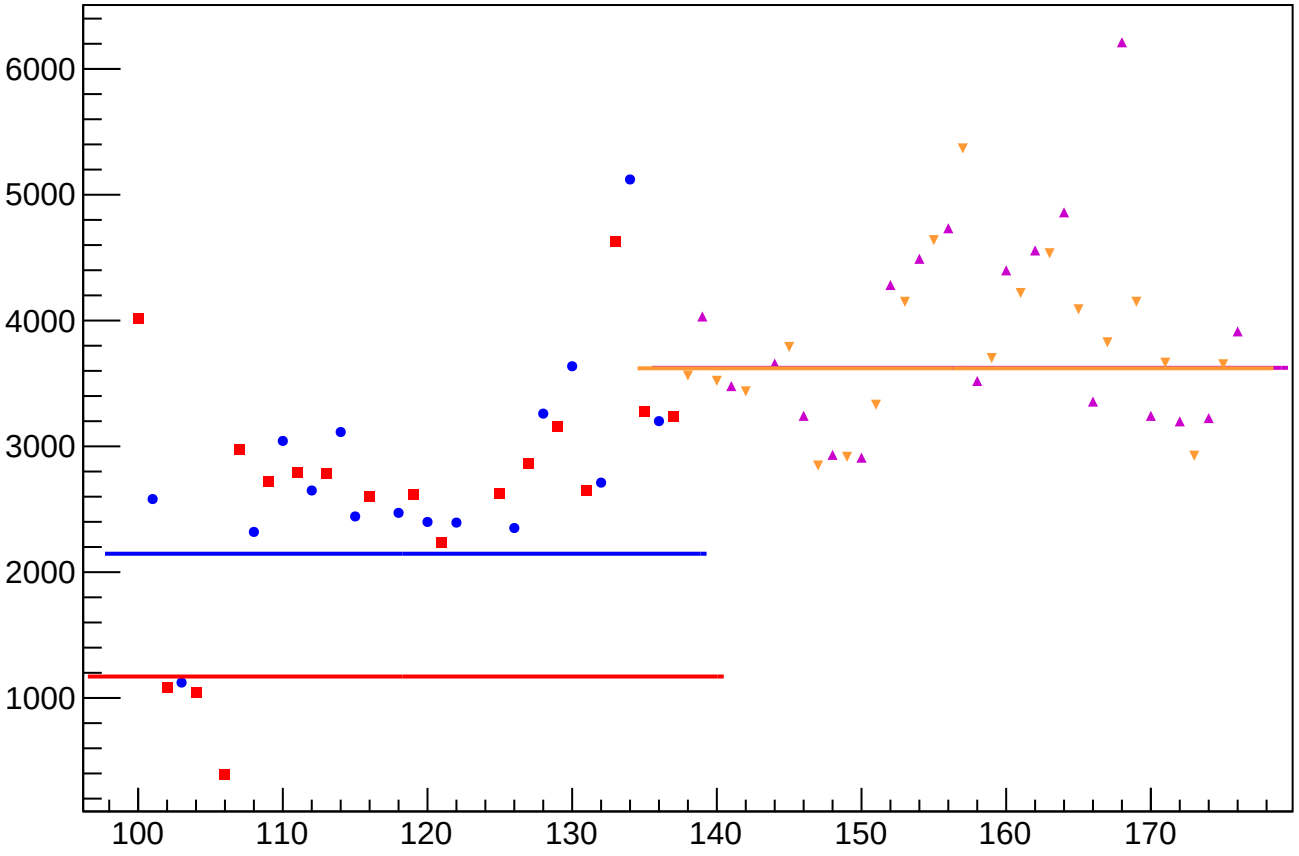
Left In: 165.127+/-938.353 χ^2/NDF:11.4/18

+ sign 303.167+/-643.679 χ^2/NDF: 39.9/34

All: 325.196+/-387.136 χ^2/NDF: 68.0/71

- sign 337.680+/-484.578 χ^2/NDF: 28.1/36

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3620.467+/-0.673 χ^2/NDF:750986.2/18

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

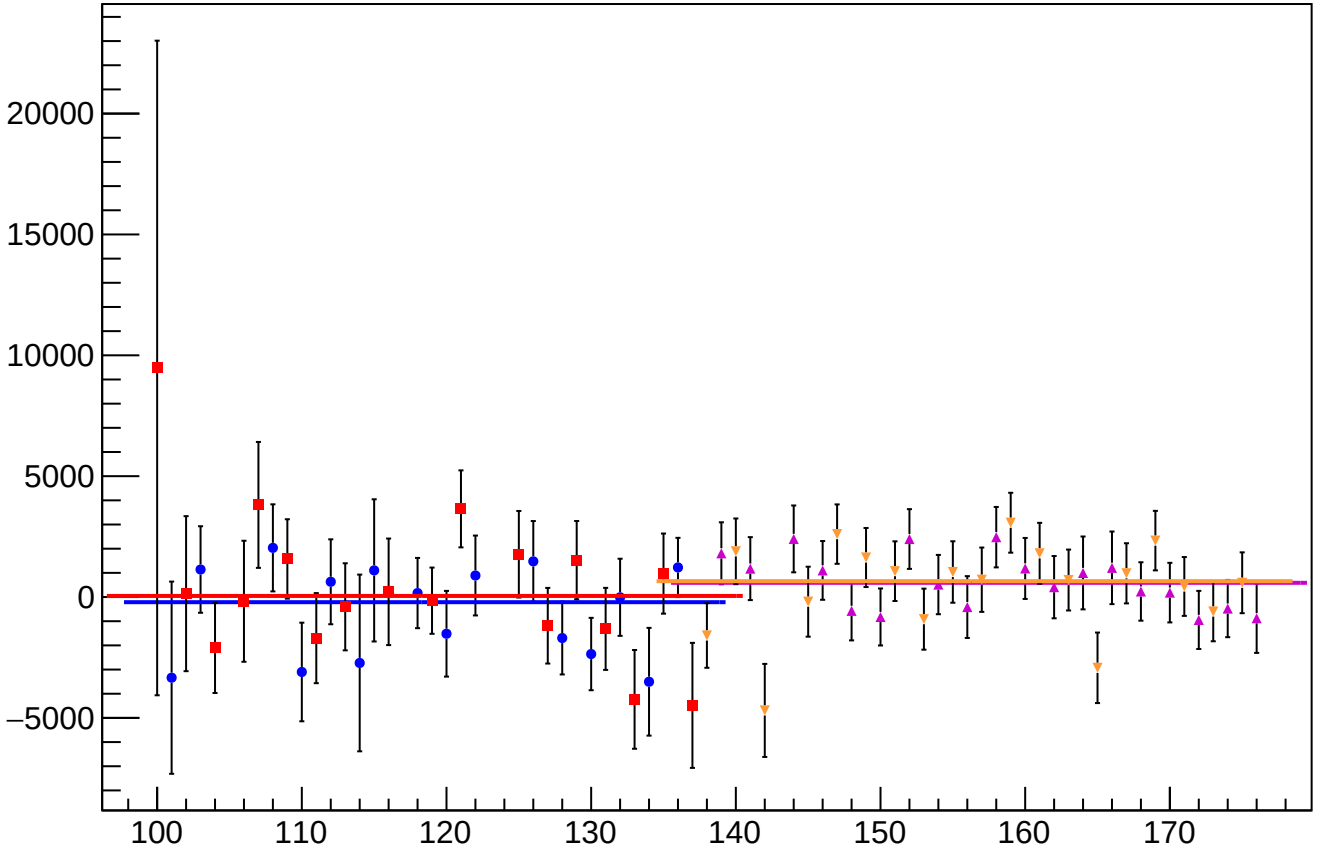
Left In: 3624.267+/-0.664 χ^2/NDF:1028690.7/18

\+ sign 2821.292+/-0.455 χ^2/NDF: 5328436.4/34

All: 2185.348+/-0.274 χ^2/NDF: 25261601.3/7

\- sign 1824.930+/-0.343 χ^2/NDF: 16874531.8/36

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: 657.122+/-297.475 χ^2/NDF:30.3/18

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

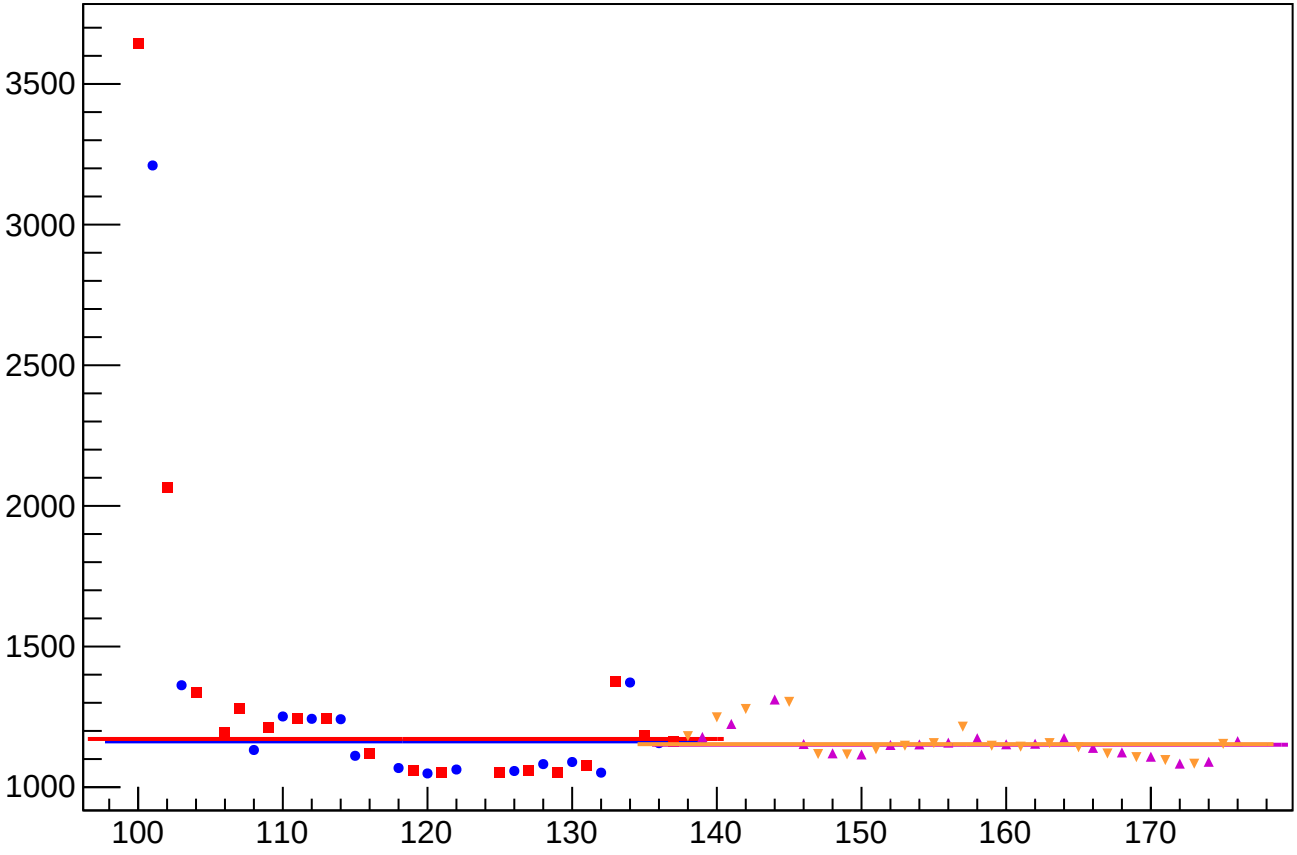
Left In: 588.408+/-292.245 χ^2/NDF:14.6/18

+ sign 386.415+/-246.907 χ^2/NDF: 47.3/34

All: 406.370+/-173.783 χ^2/NDF: 84.6/71

- sign 425.960+/-244.642 χ^2/NDF: 37.3/36

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: 1152.890+/-0.210 χ^2/NDF:64222.3/18

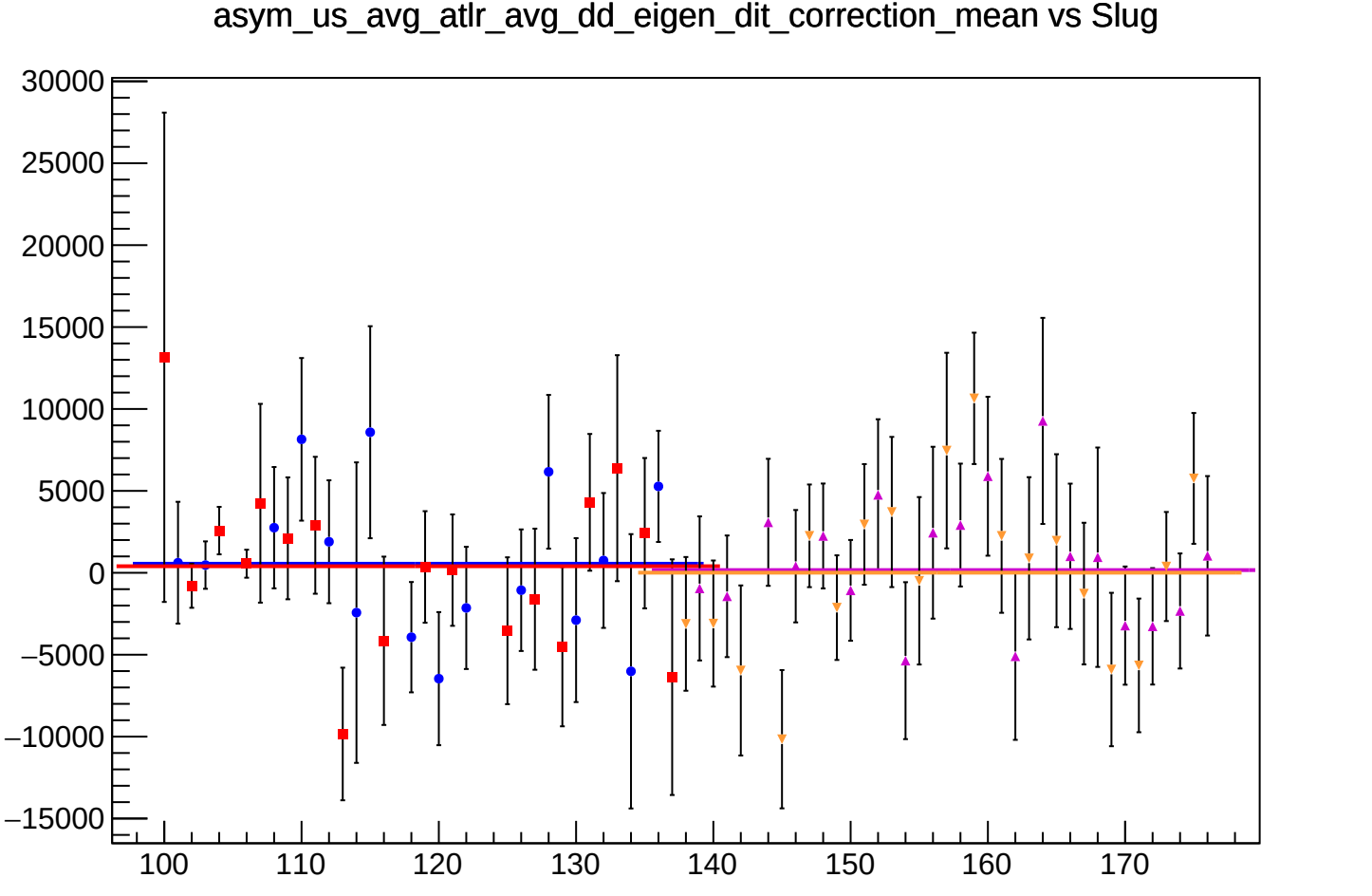
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1150.907+/-0.207 χ^2/NDF:53797.6/18

+ sign 1155.989+/-0.175 χ^2/NDF: 700273.5/34

All: 1156.524+/-0.123 χ^2/NDF: 1088680.9/71

- sign 1157.050+/-0.173 χ^2/NDF: 388388.8/36



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 7.803+/-951.369 χ^2/NDF:25.3/18

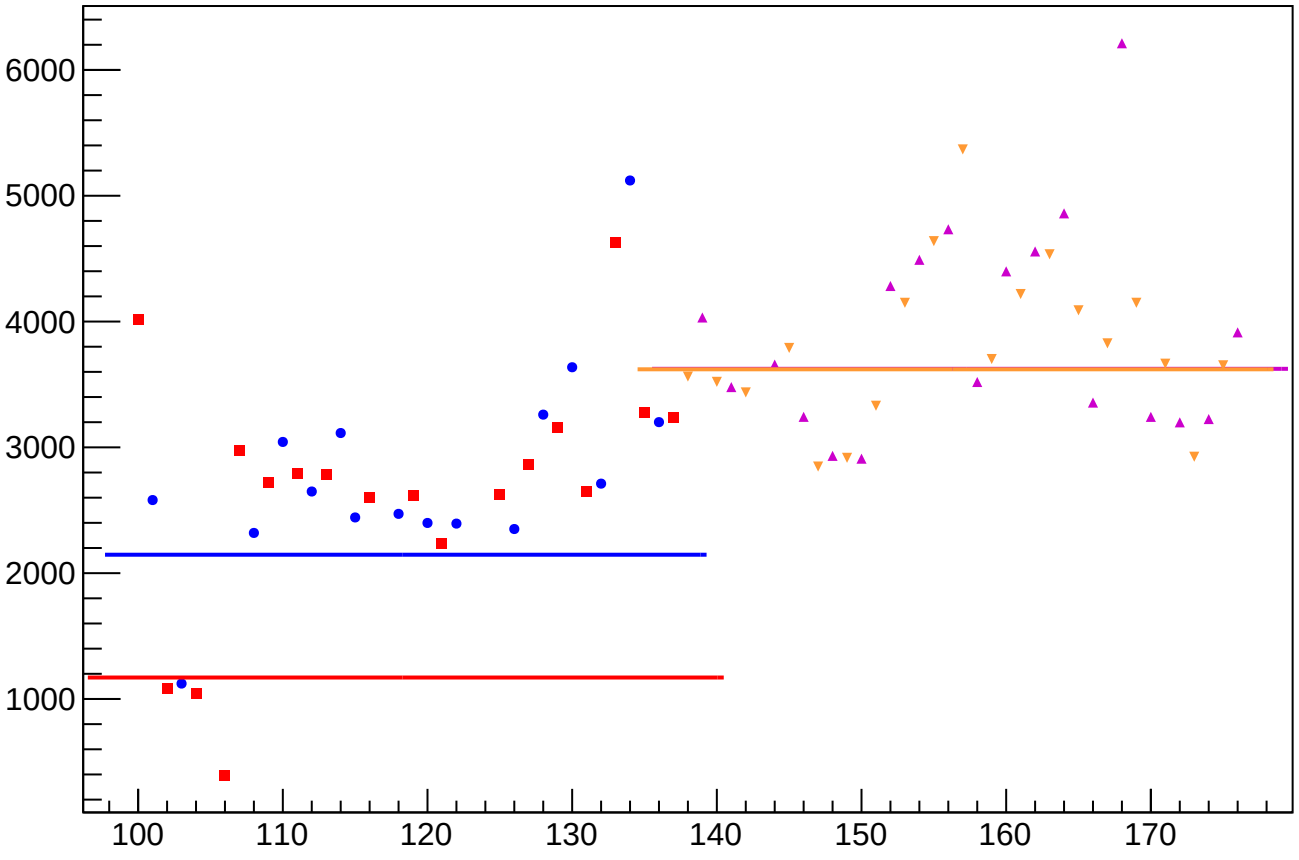
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 165.126+/-938.355 χ^2/NDF:11.4/18

\+ sign 303.164+/-643.679 χ^2/NDF: 39.9/34

All: 325.196+/-387.134 χ^2/NDF: 68.0/71

\- sign 337.682+/-484.574 χ^2/NDF: 28.1/36



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3620.472+/-0.673 χ^2/NDF:750986.9/18

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

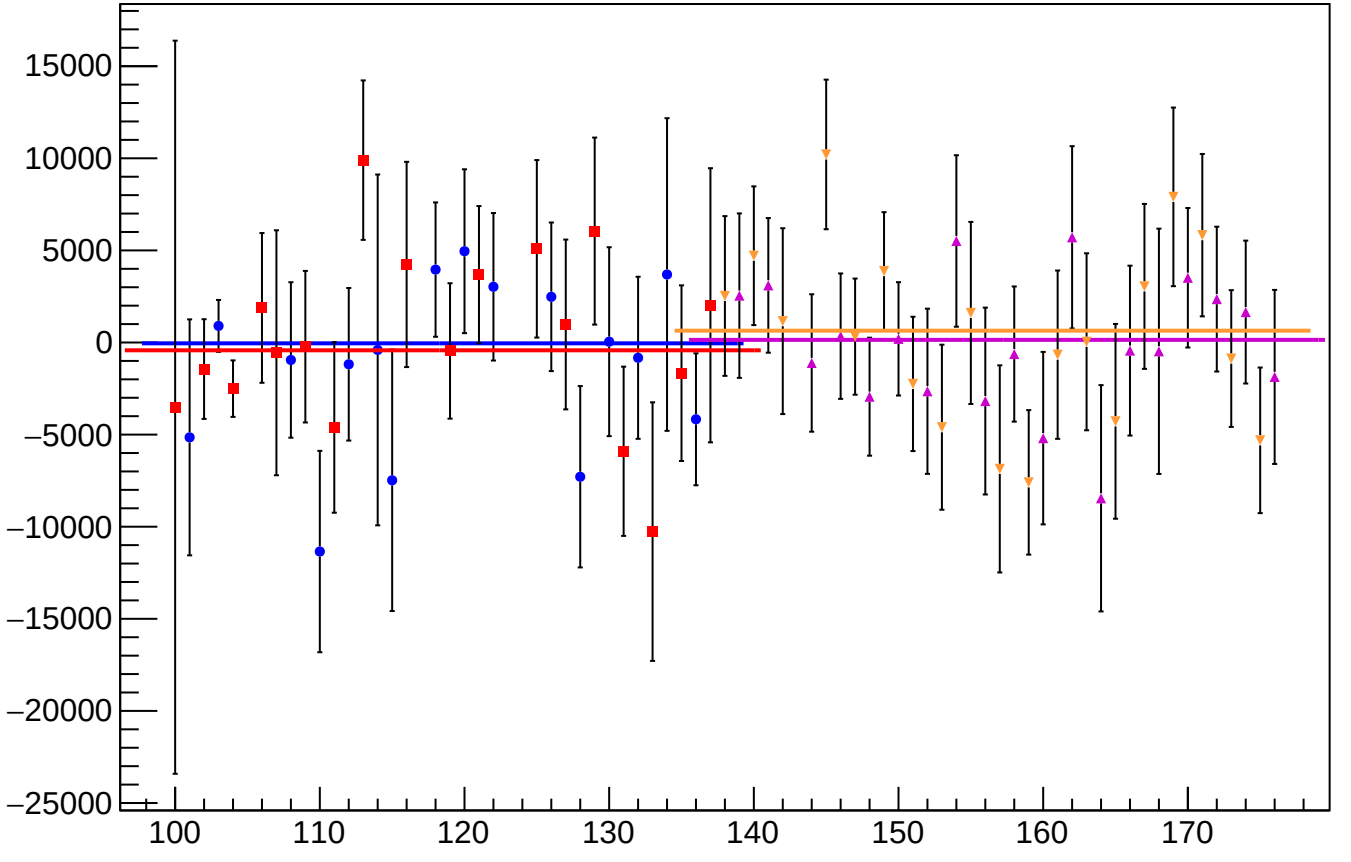
Left In: 3624.272+/-0.664 χ^2/NDF:1028692.6/18

+ sign 2821.290+/-0.455 χ^2/NDF: 5328462.0/34

All: 2185.326+/-0.274 χ^2/NDF: 25262213.5/7

- sign 1824.901+/-0.343 χ^2/NDF: 16874932.8/36

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 642.227+/-956.907 χ^2/NDF:23.5/18

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

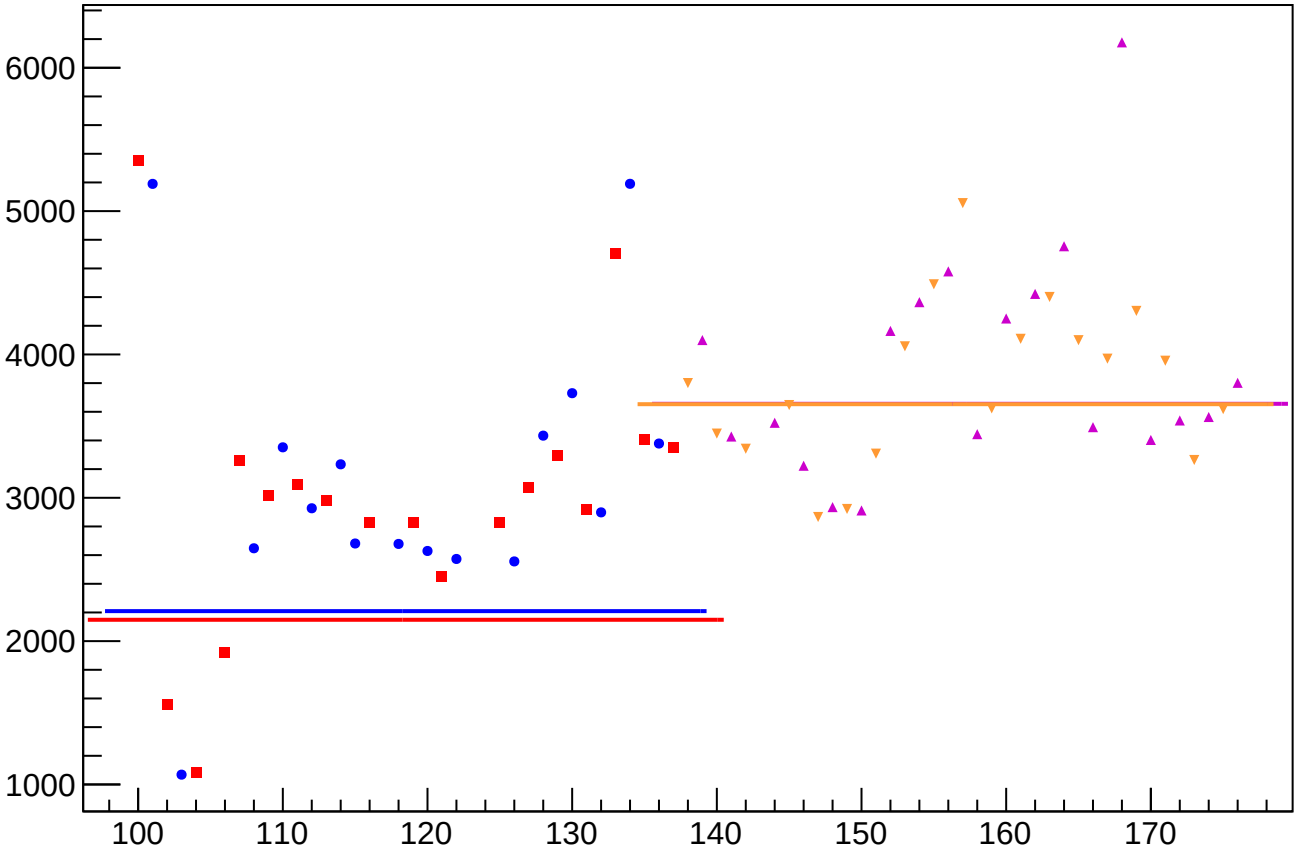
Left In: 143.379+/-943.330 χ^2/NDF:10.2/18

+ sign 285.445+/-663.478 χ^2/NDF: 37.5/34

All: 60.991+/-464.288 χ^2/NDF: 65.4/71

- sign -154.393+/-649.936 χ^2/NDF: 27.7/36

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3652.993+/-0.677 χ^2/NDF:621307.9/18

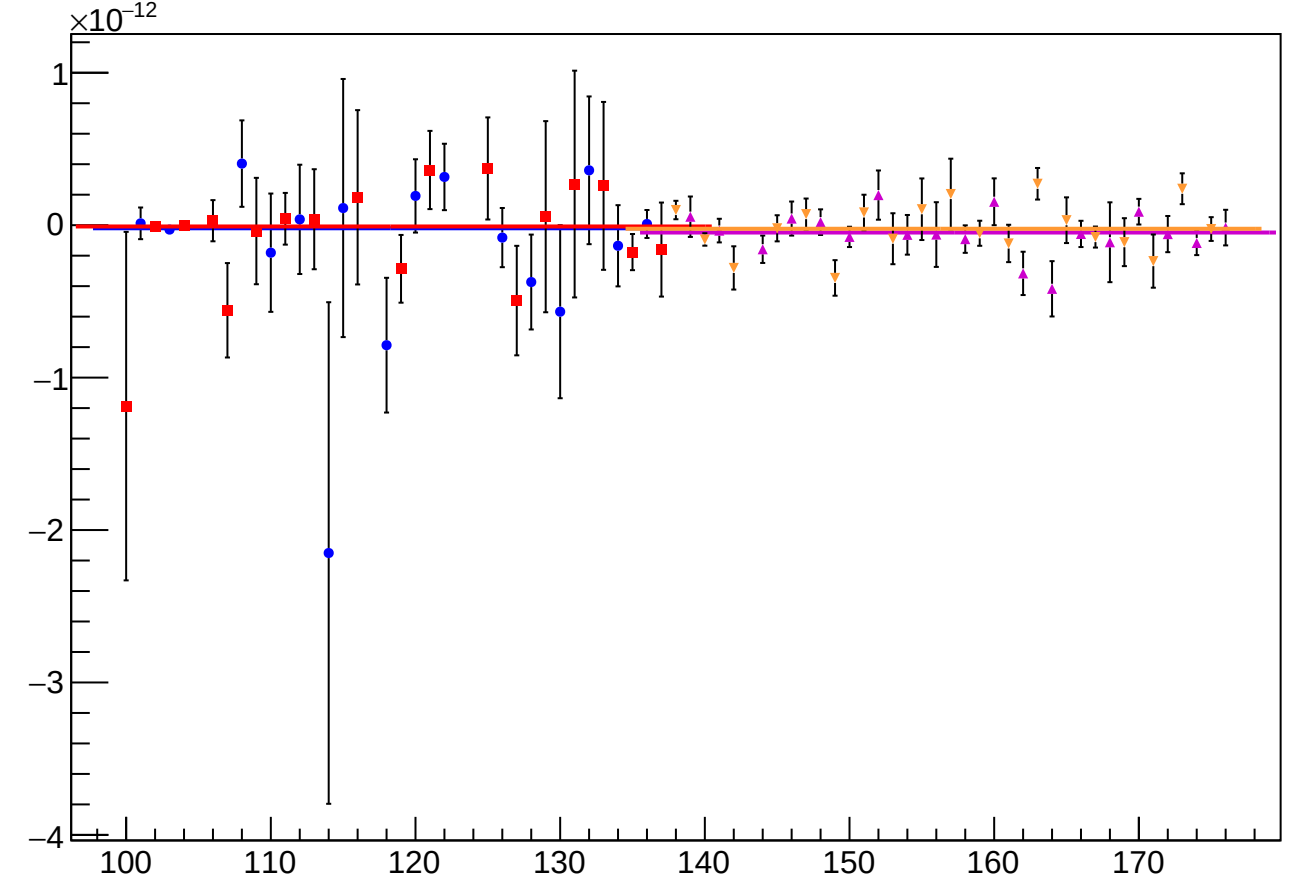
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3655.687+/-0.667 χ^2/NDF:873273.0/18

+ sign 2903.368+/-0.469 χ^2/NDF: 5821891.1/34

All: 2882.430+/-0.328 χ^2/NDF: 11655161.5/7

- sign 2862.388+/-0.459 χ^2/NDF: 5829371.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.4/18

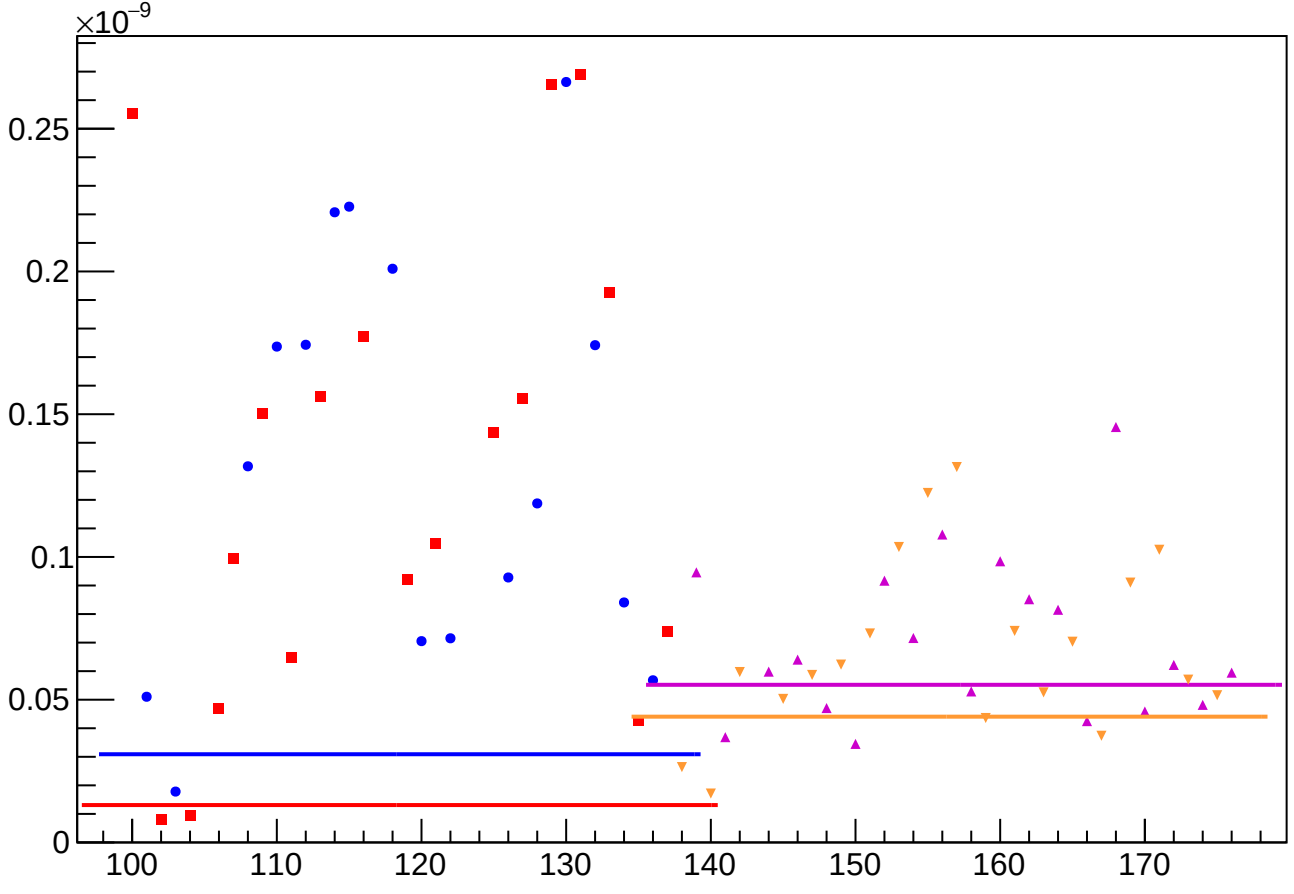
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:19.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 53.1/34

All: -0.000+/-0.000 χ^2/NDF: 88.3/71

- sign -0.000+/-0.000 χ^2/NDF: 35.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2797365.3/18

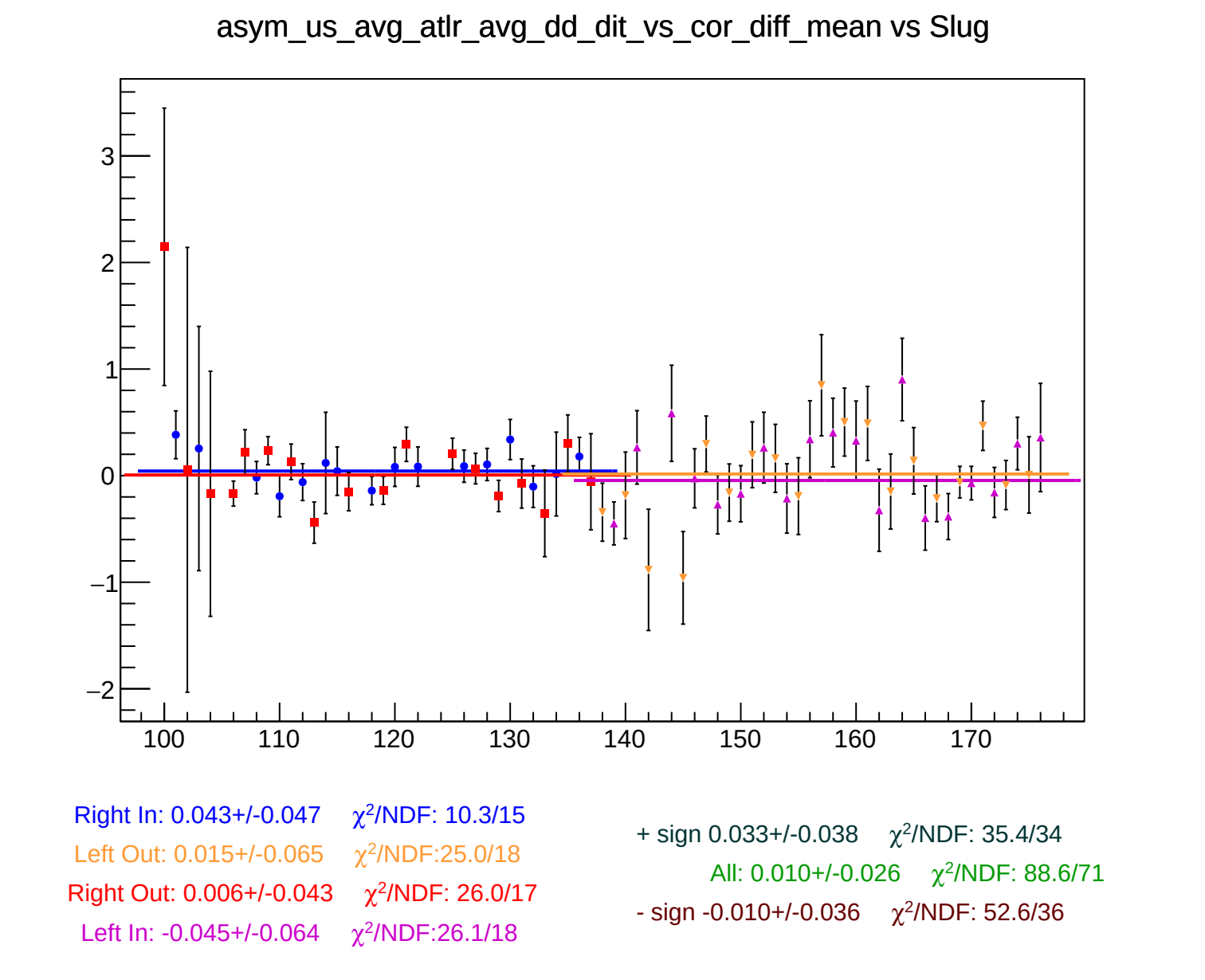
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

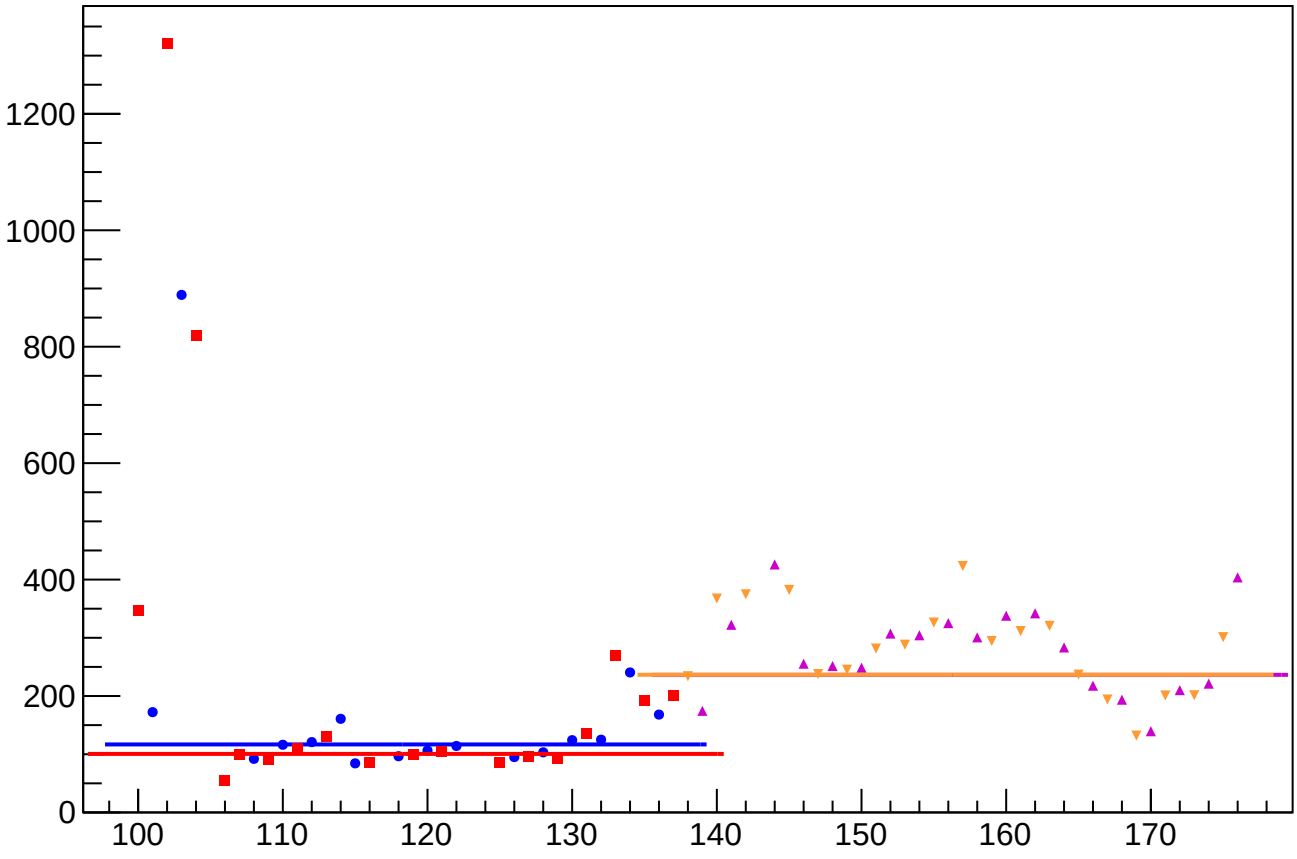
Left In: 0.000+/-0.000 χ^2/NDF:1397087.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 6114257.2/34

All: 0.000+/-0.000 χ^2/NDF: 16562610.3/71

- sign 0.000+/-0.000 χ^2/NDF: 9534595.4/36


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
160
170
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.015+/-0.065 χ²/NDF:25.0/18
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.045+/-0.064 χ²/NDF:26.1/18
+ sign 0.033+/-0.038 χ²/NDF: 35.4/34
All: 0.010+/-0.026 χ²/NDF: 88.6/71
- sign -0.010+/-0.036 χ²/NDF: 52.6/36



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584231.7/18

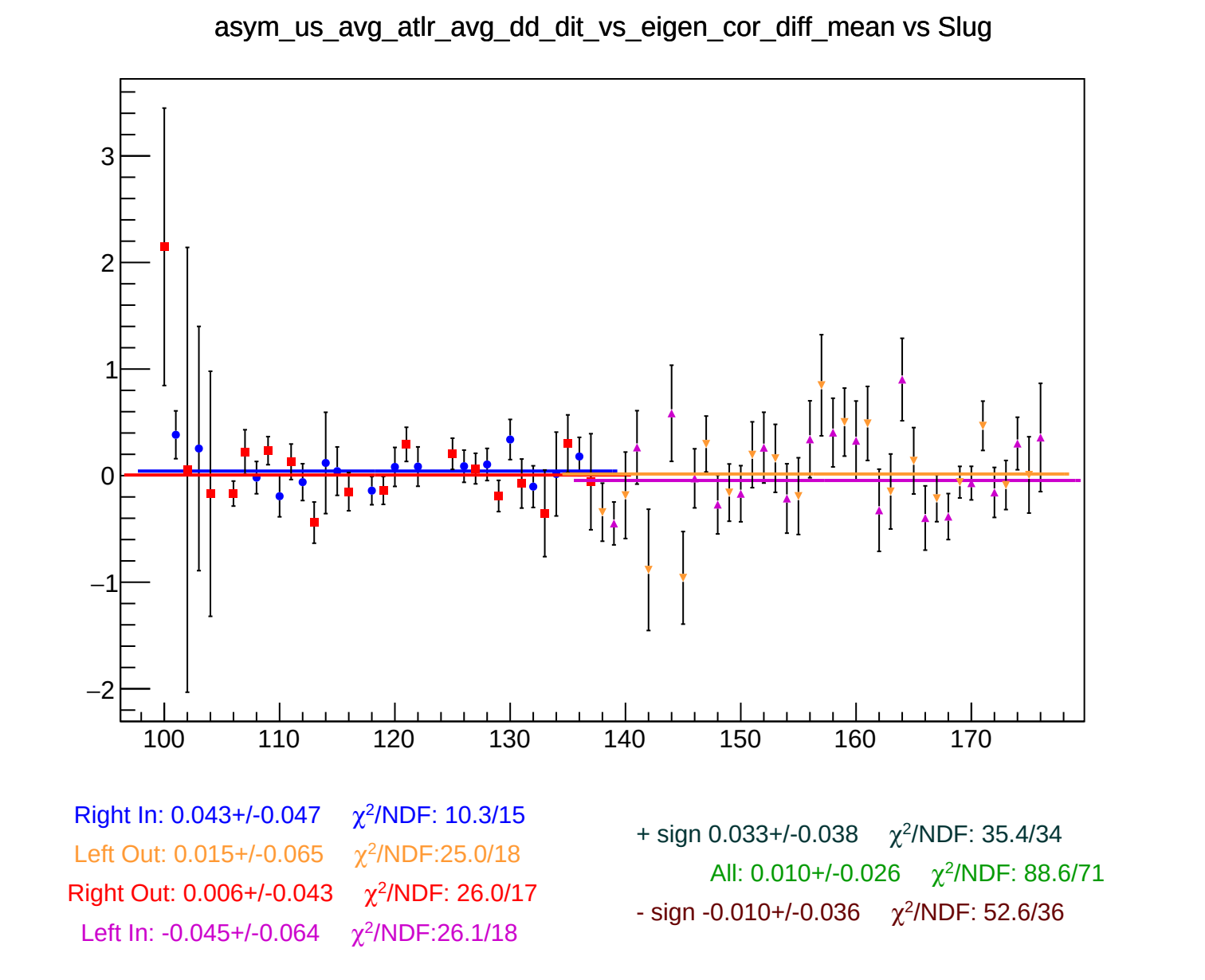
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

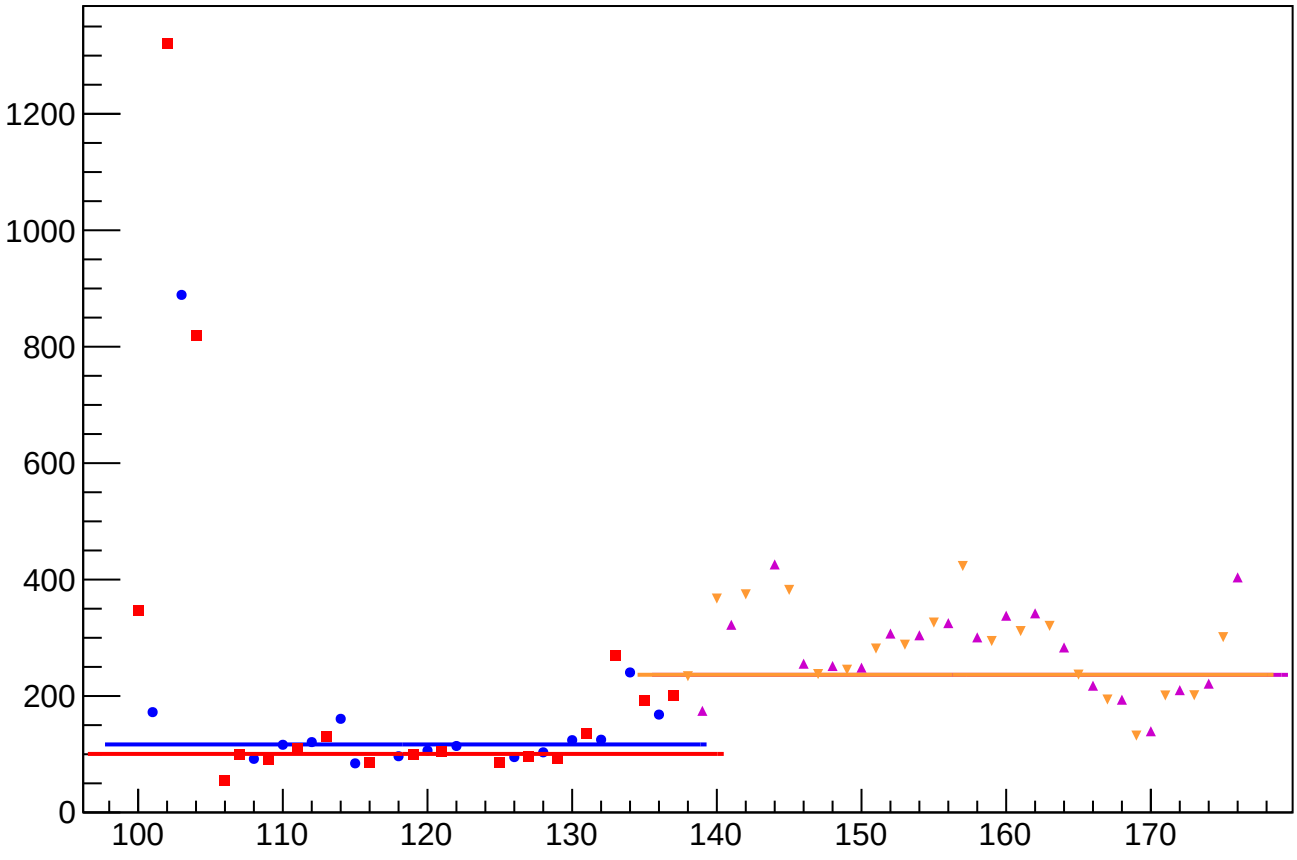
Left In: 236.366+/-0.045 χ^2/NDF:2487105.8/18

+ sign 158.491+/-0.027 χ^2/NDF: 8629481.9/34

All: 150.530+/-0.019 χ^2/NDF: 20151739.3/71

- sign 143.560+/-0.025 χ^2/NDF: 11360384.5/36


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.015+/-0.065 χ²/NDF:25.0/18
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.045+/-0.064 χ²/NDF:26.1/18
+ sign 0.033+/-0.038 χ²/NDF: 35.4/34
All: 0.010+/-0.026 χ²/NDF: 88.6/71
- sign -0.010+/-0.036 χ²/NDF: 52.6/36



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584231.7/18

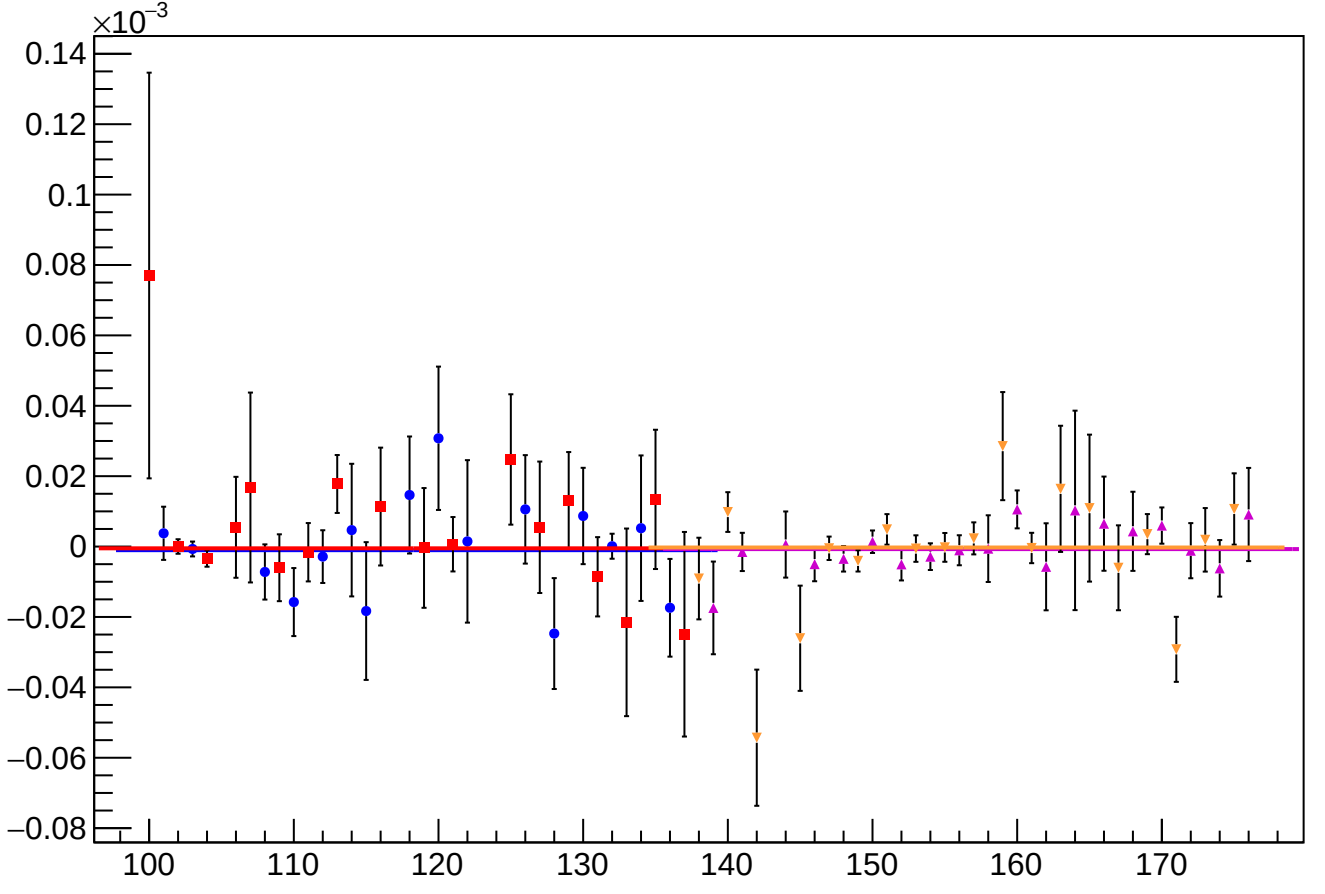
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 236.366+/-0.045 χ^2/NDF:2487105.8/18

+ sign 158.491+/-0.027 χ^2/NDF: 8629481.9/34

All: 150.530+/-0.019 χ^2/NDF: 20151739.3/71

- sign 143.560+/-0.025 χ^2/NDF: 11360384.5/36



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.2/18

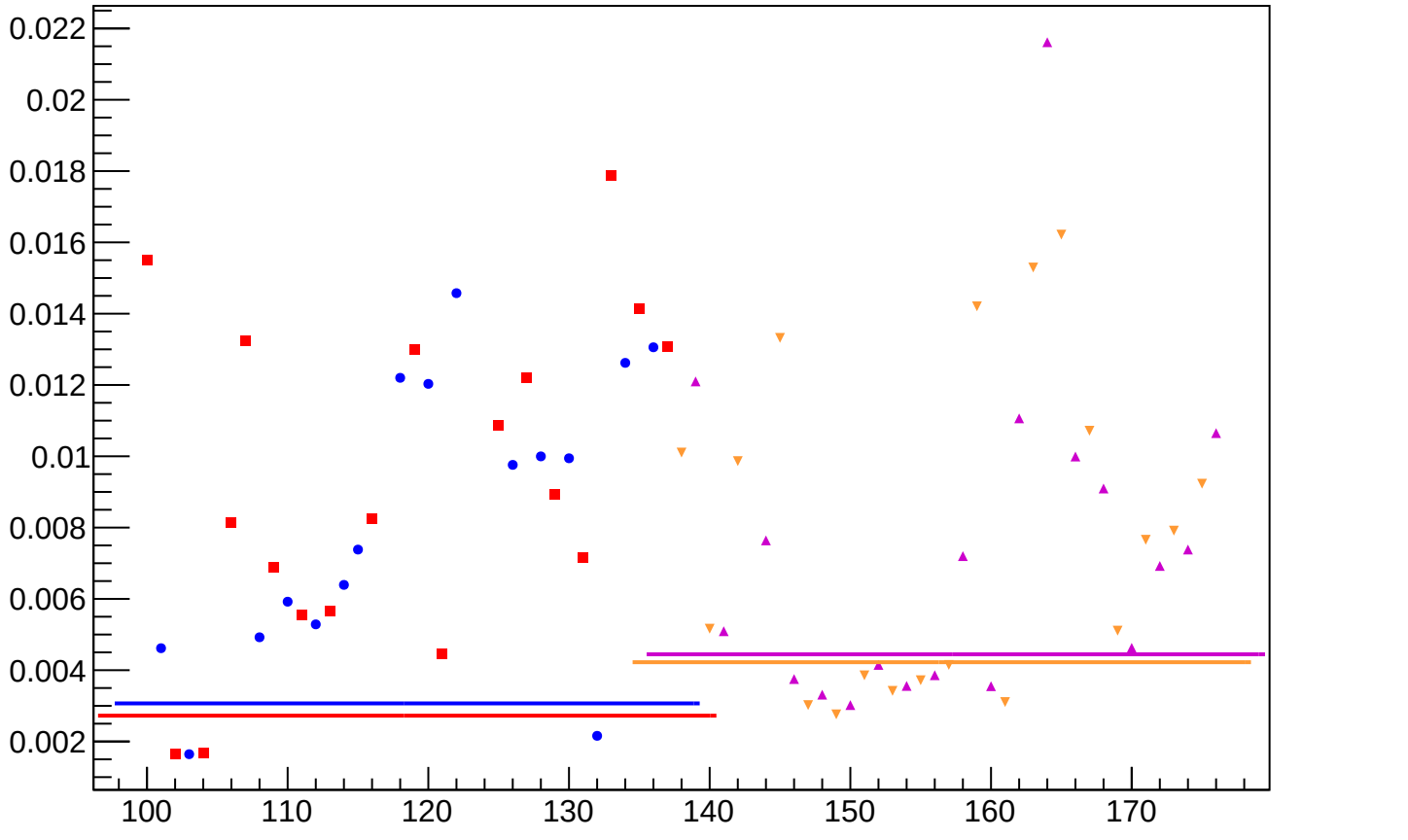
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:12.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 46.9/34

All: -0.000+/-0.000 χ^2/NDF: 74.6/71

- sign -0.000+/-0.000 χ^2/NDF: 27.6/36



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:6476718.4/18

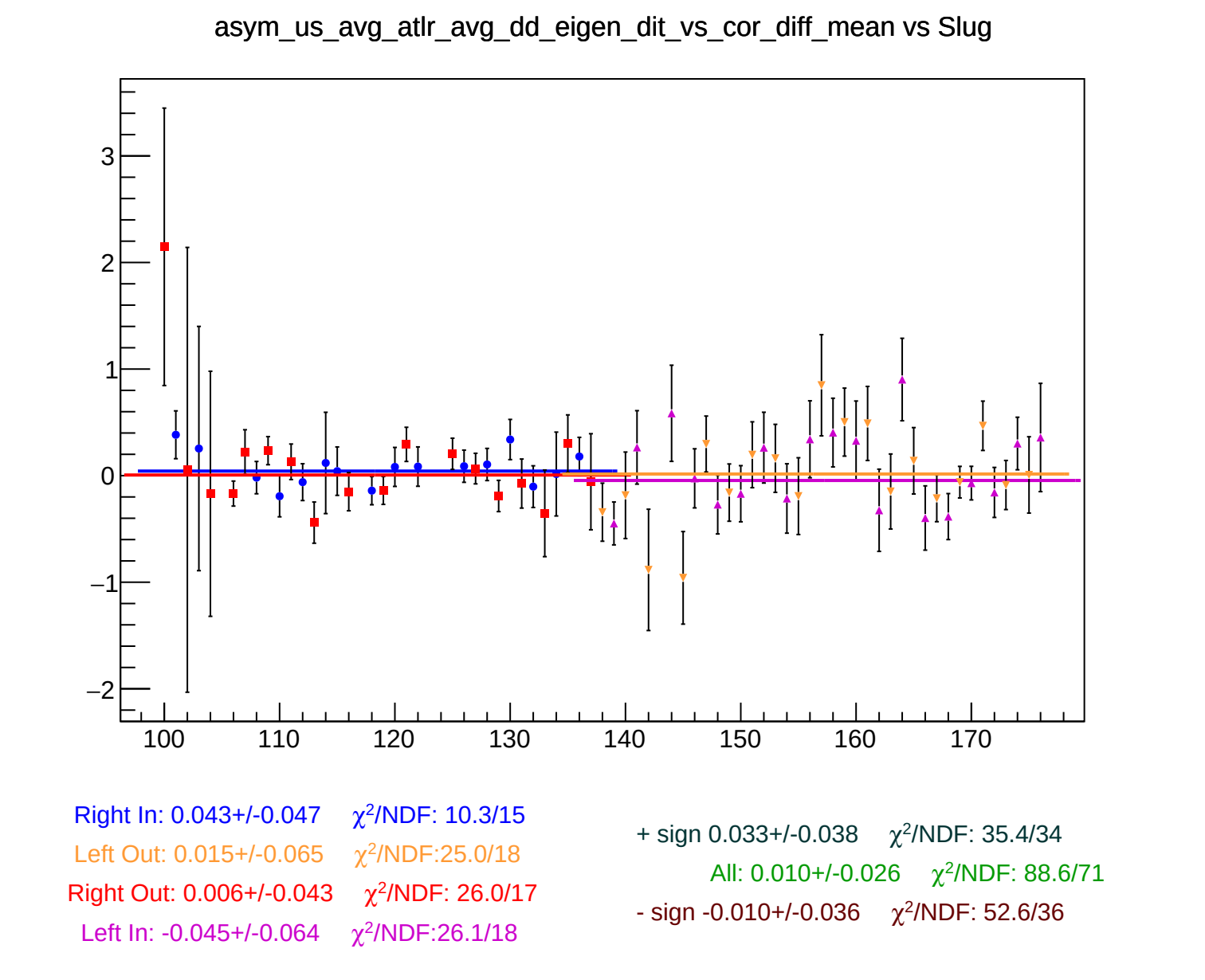
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

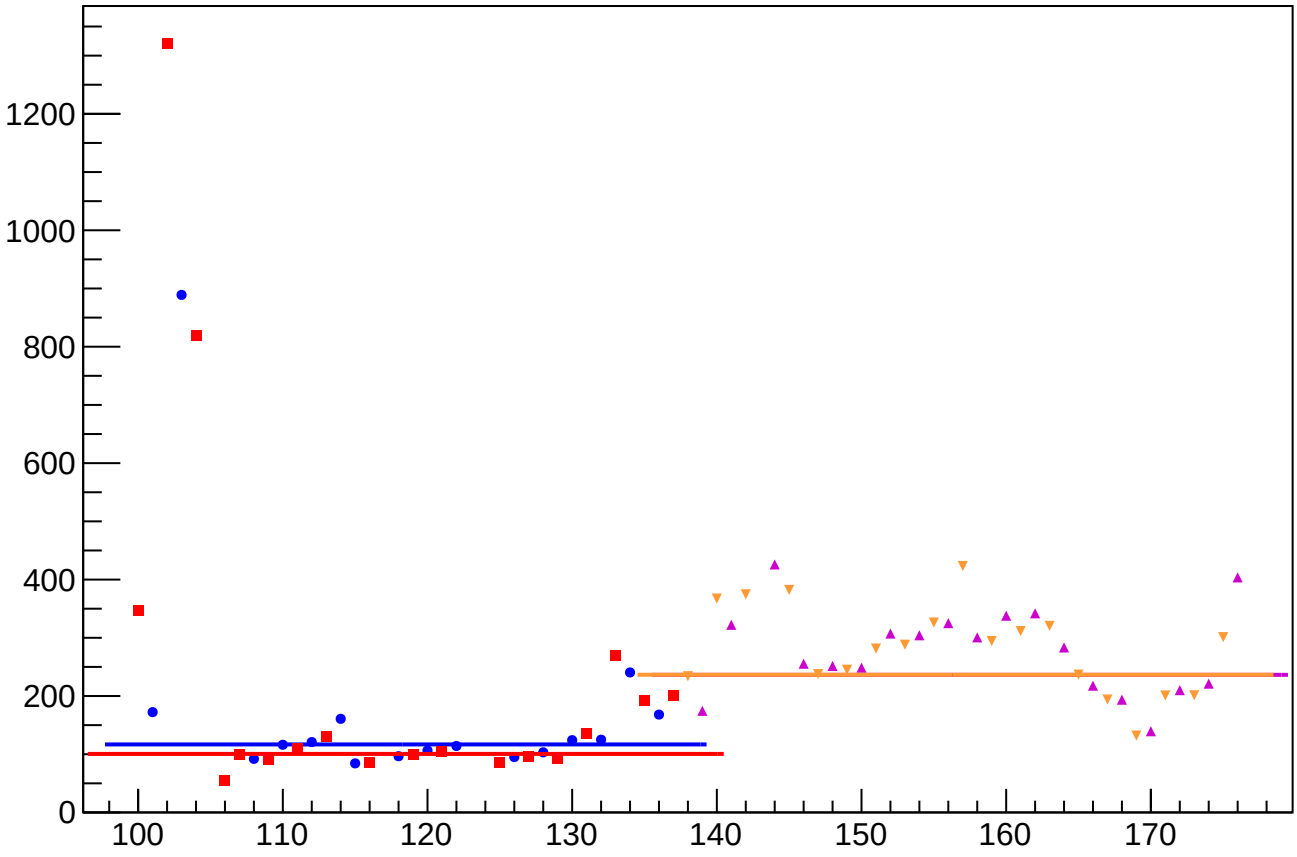
Left In: 0.004+/-0.000 χ^2/NDF:4851265.8/18

+ sign 0.004+/-0.000 χ^2/NDF: 13087100.9/34

All: 0.004+/-0.000 χ^2/NDF: 26284817.8/71

- sign 0.004+/-0.000 χ^2/NDF: 13180398.7/36


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
160
170
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.015+/-0.065 χ²/NDF:25.0/18
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.045+/-0.064 χ²/NDF:26.1/18
+ sign 0.033+/-0.038 χ²/NDF: 35.4/34
All: 0.010+/-0.026 χ²/NDF: 88.6/71
- sign -0.010+/-0.036 χ²/NDF: 52.6/36



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584342.0/18

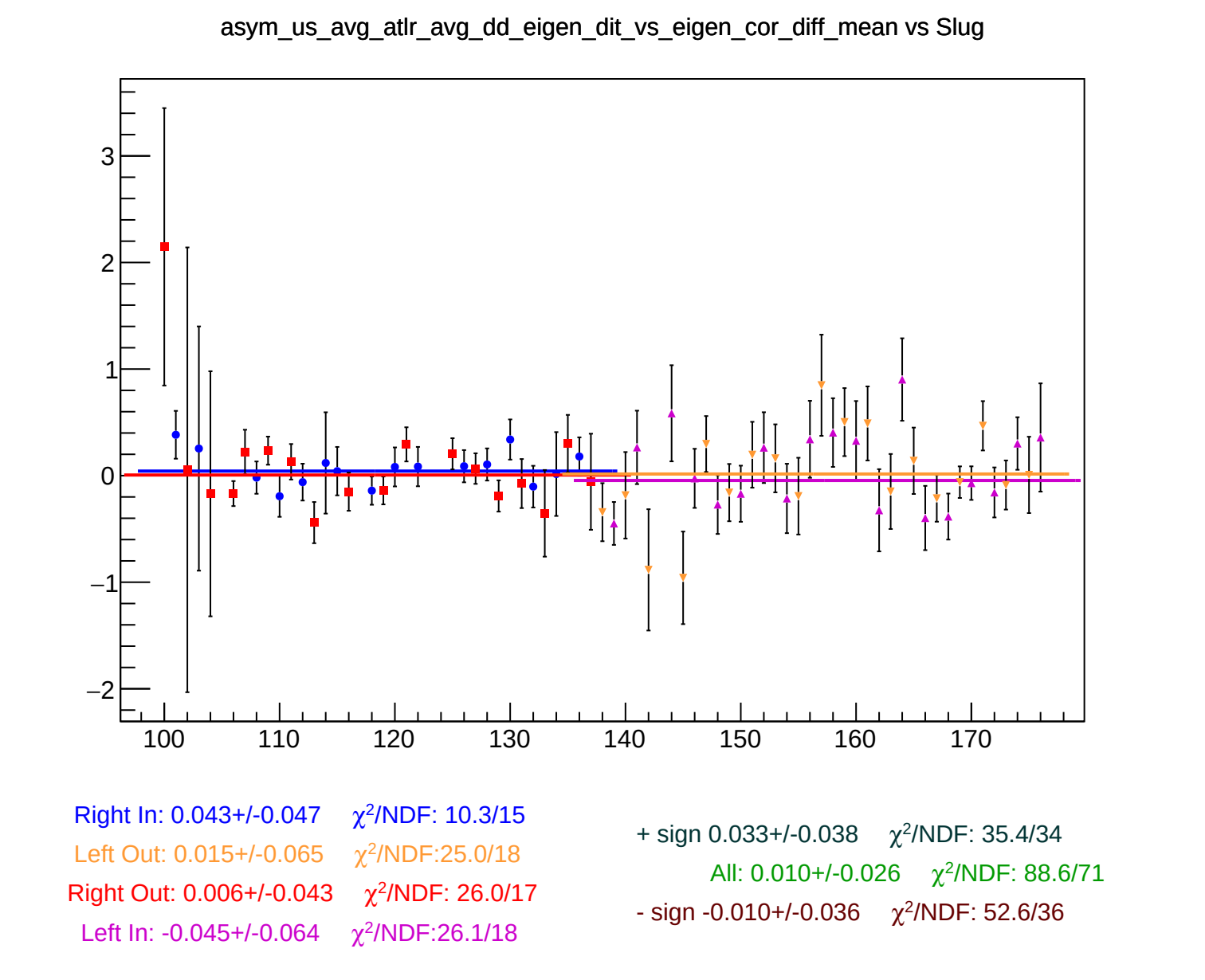
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

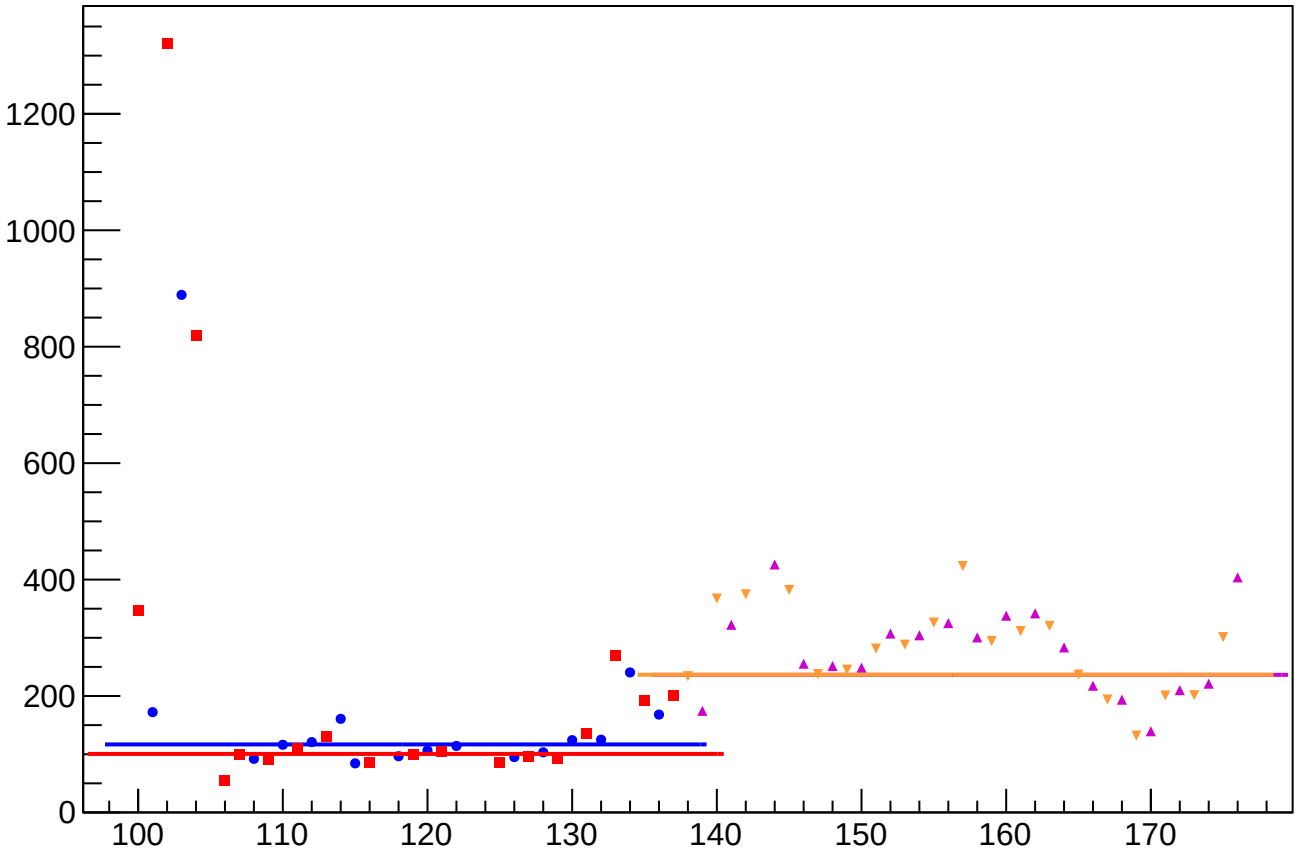
Left In: 236.368+/-0.045 χ^2/NDF:2487143.1/18

+ sign 158.491+/-0.027 χ^2/NDF: 8629599.6/34

All: 150.529+/-0.019 χ^2/NDF: 20152175.3/71

- sign 143.559+/-0.025 χ^2/NDF: 11360686.0/36


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
160
170
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.015+/-0.065 χ²/NDF:25.0/18
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.045+/-0.064 χ²/NDF:26.1/18
+ sign 0.033+/-0.038 χ²/NDF: 35.4/34
All: 0.010+/-0.026 χ²/NDF: 88.6/71
- sign -0.010+/-0.036 χ²/NDF: 52.6/36



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584342.0/18

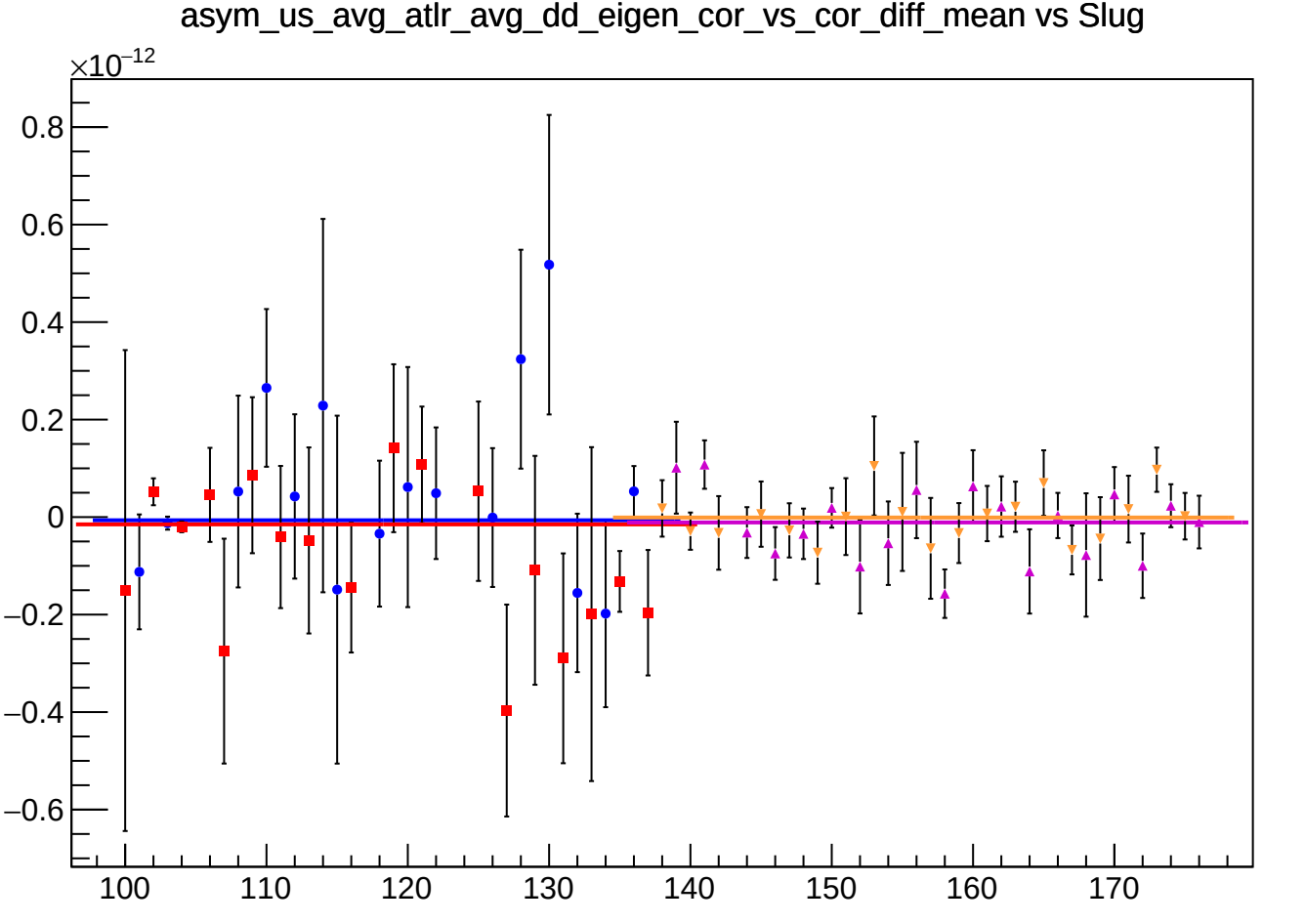
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

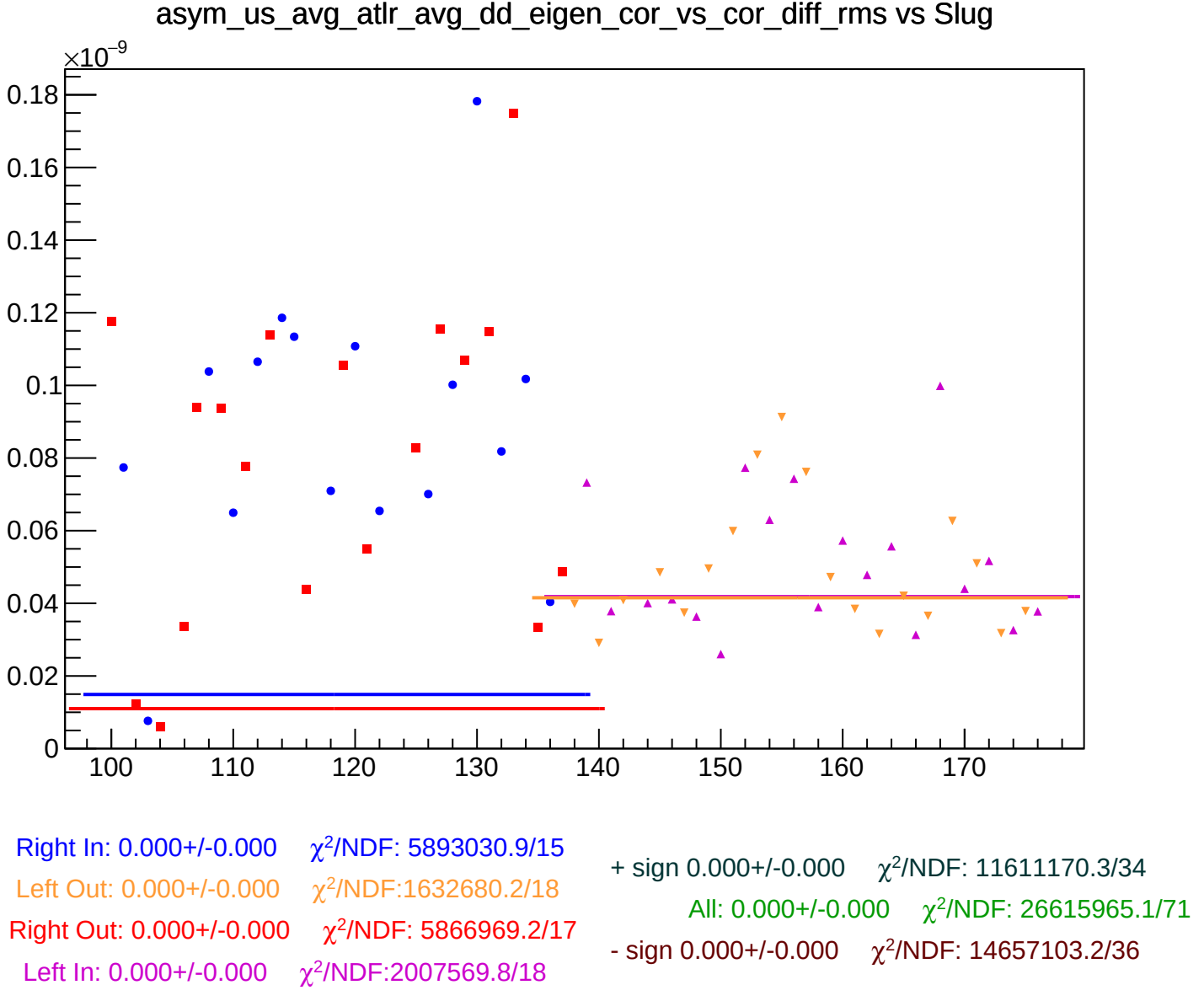
Left In: 236.368+/-0.045 χ^2/NDF:2487143.1/18

+ sign 158.491+/-0.027 χ^2/NDF: 8629599.6/34

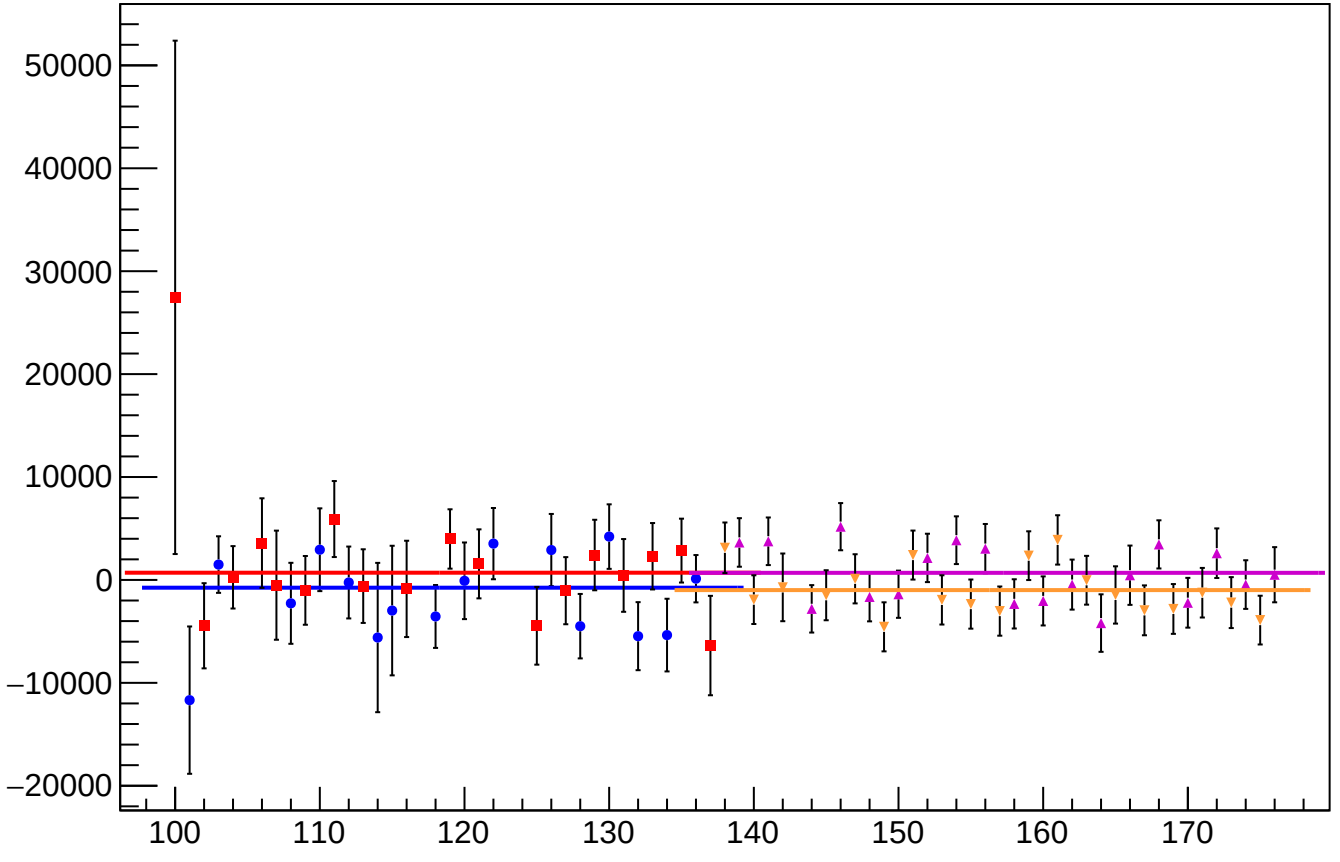
All: 150.529+/-0.019 χ^2/NDF: 20152175.3/71

- sign 143.559+/-0.025 χ^2/NDF: 11360686.0/36


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:12.1/18
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:26.1/18
+ sign -0.000+/-0.000 χ²/NDF: 25.2/34
All: -0.000+/-0.000 χ²/NDF: 73.9/71
- sign -0.000+/-0.000 χ²/NDF: 48.1/36


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
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1632680.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:2007569.8/18
+ sign 0.000+/-0.000 χ²/NDF: 11611170.3/34
All: 0.000+/-0.000 χ²/NDF: 26615965.1/71
- sign 0.000+/-0.000 χ²/NDF: 14657103.2/36

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -987.829+/-561.391 χ^2/NDF:18.0/18

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

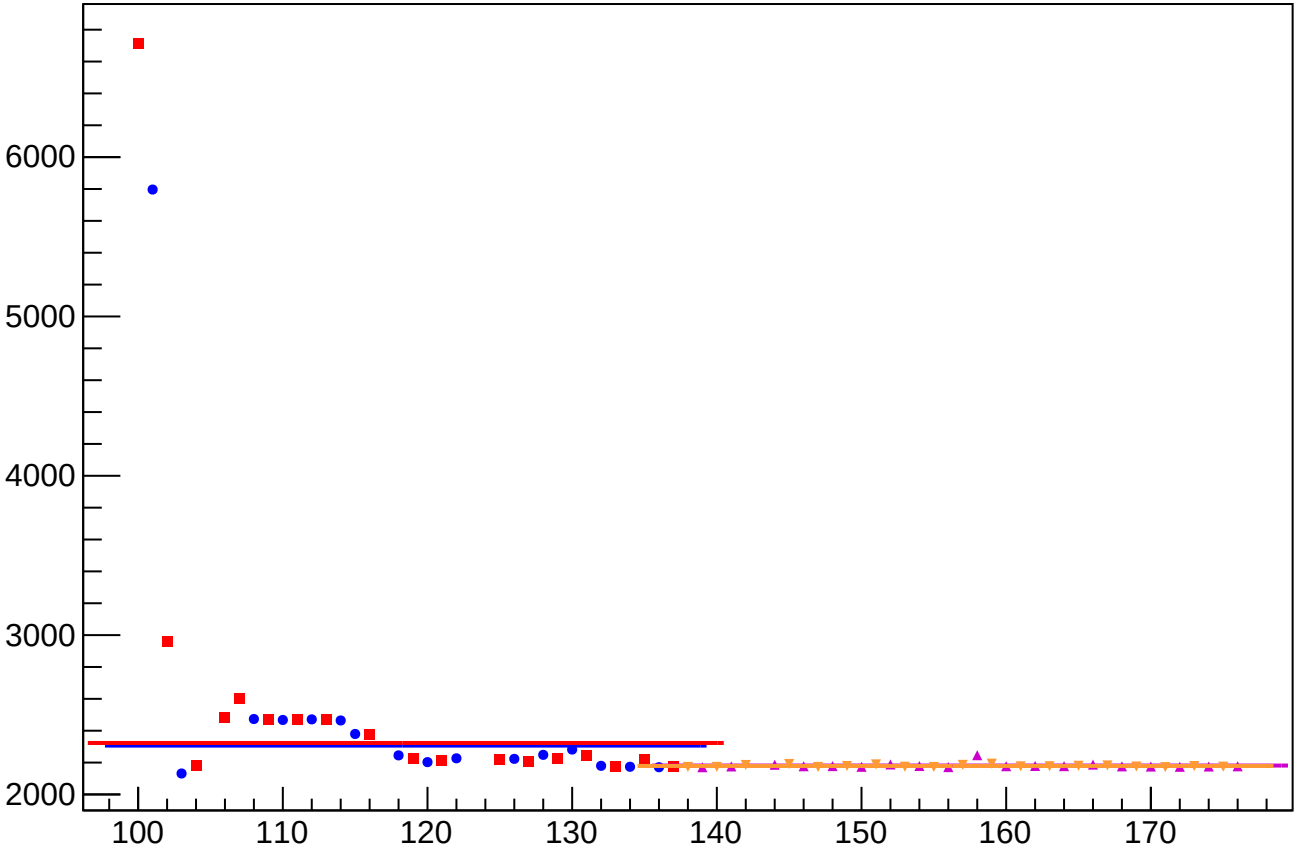
Left In: 689.947+/-553.313 χ^2/NDF:24.3/18

+ sign -919.469+/-472.132 χ^2/NDF: 34.0/34

All: -103.623+/-331.903 χ^2/NDF: 76.6/71

- sign 693.483+/-466.678 χ^2/NDF: 36.7/36

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.692+/-0.397 χ^2/NDF:282.2/18

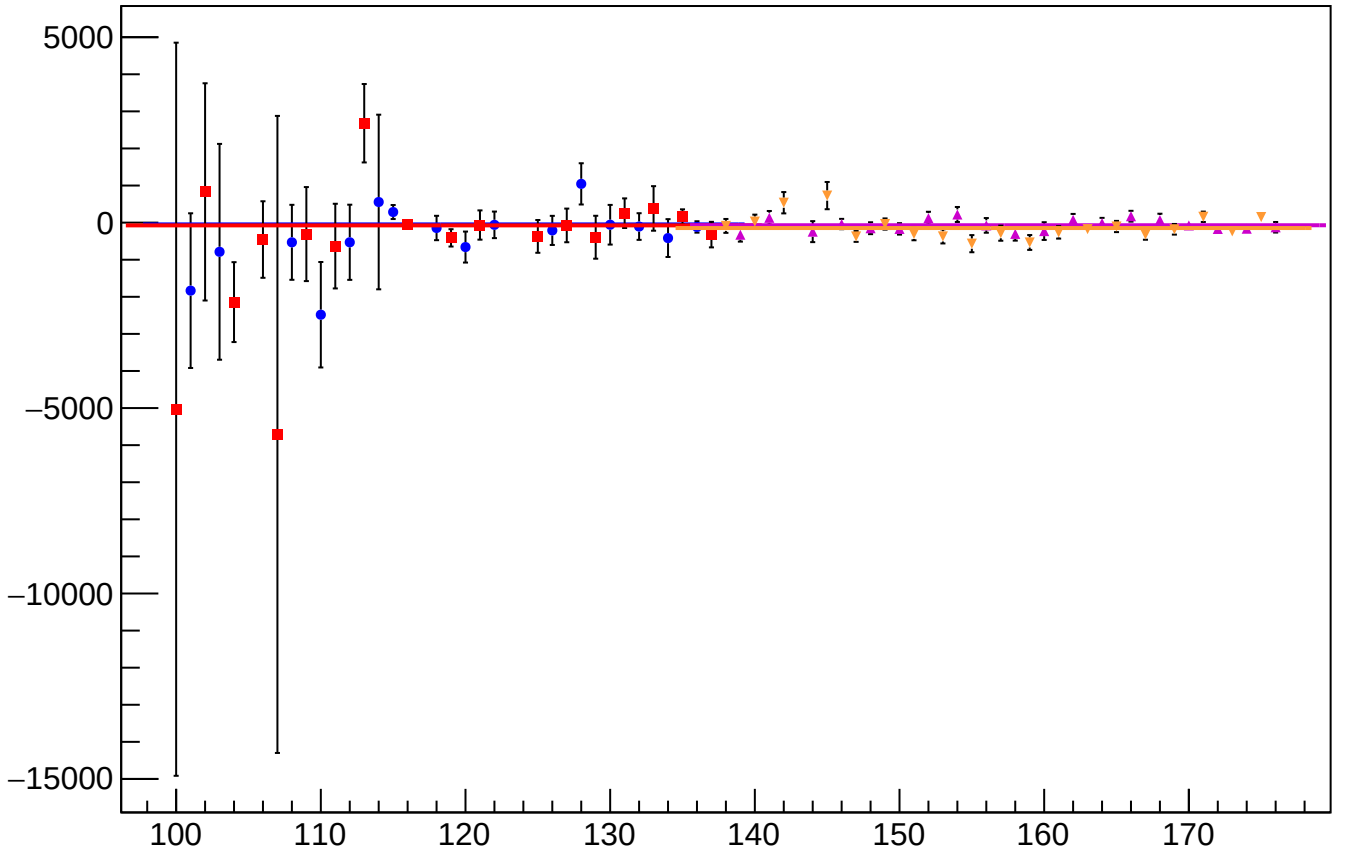
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.319+/-0.391 χ^2/NDF:1705.7/18

+ sign 2216.145+/-0.334 χ^2/NDF: 544843.7/34

All: 2219.216+/-0.235 χ^2/NDF: 736359.2/71

- sign 2222.216+/-0.330 χ^2/NDF: 191348.2/36



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -145.947+/-36.727 χ^2/NDF:39.4/18

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

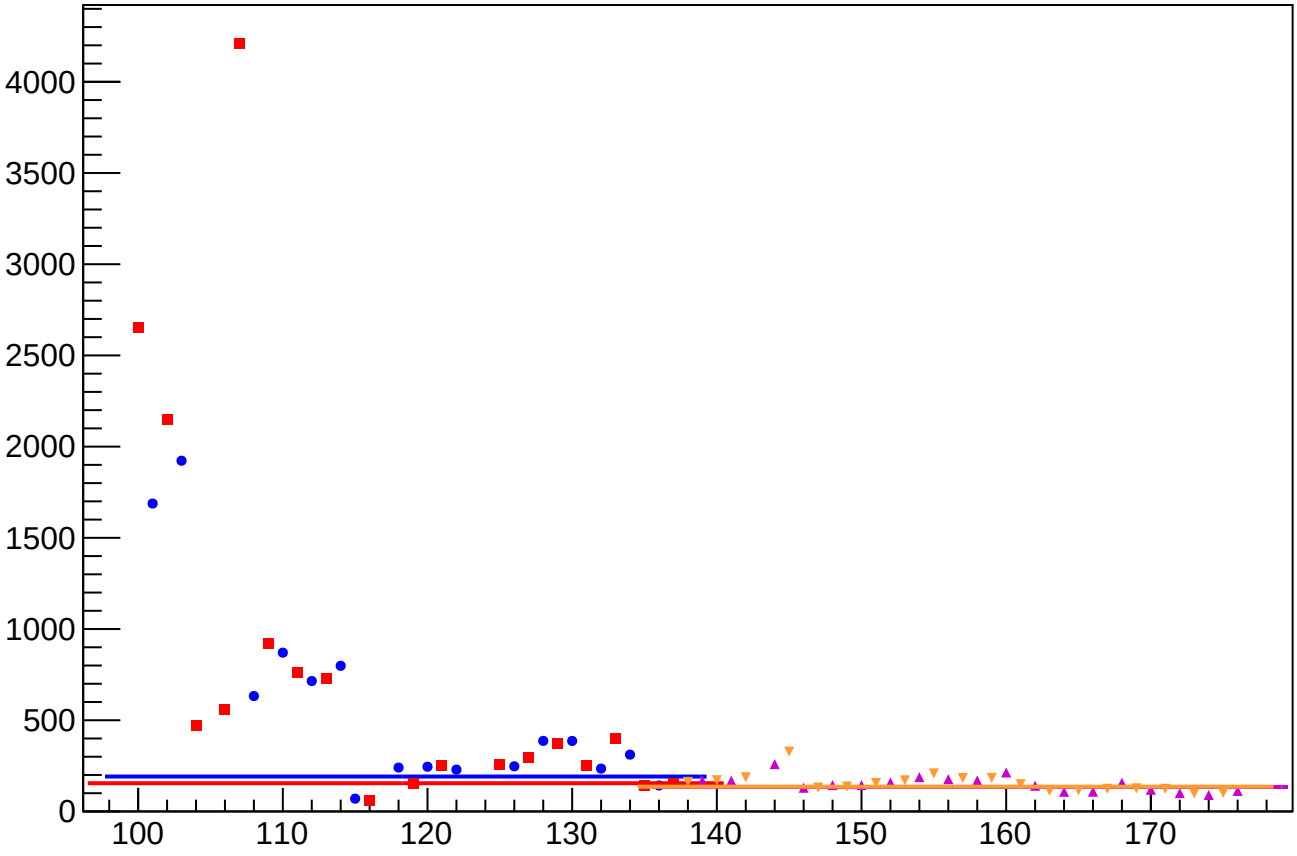
Left In: -70.556+/-35.742 χ^2/NDF:15.7/18

+ sign -132.195+/-34.053 χ^2/NDF: 54.8/34

All: -100.510+/-23.620 χ^2/NDF: 89.7/71

- sign -71.133+/-32.789 χ^2/NDF: 33.3/36

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: 135.903+/-0.026 χ^2/NDF:1771540.5/18

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

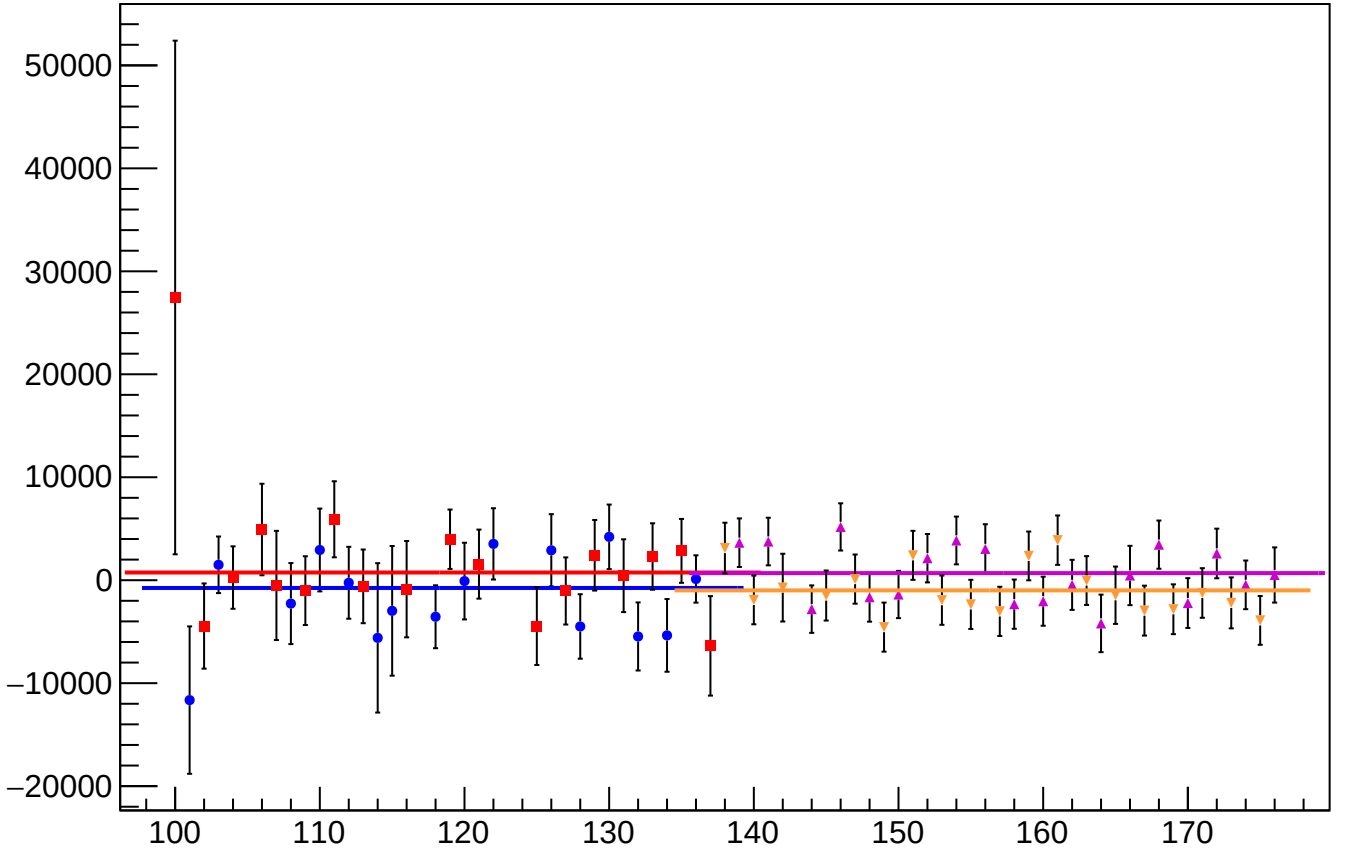
Left In: 133.971+/-0.025 χ^2/NDF:1912865.3/18

+ sign 143.687+/-0.024 χ^2/NDF: 7476531.4/34

All: 140.347+/-0.017 χ^2/NDF: 15687075.3/71

- sign 137.251+/-0.023 χ^2/NDF: 8173475.6/36

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -987.810+/-561.391 χ^2/NDF:18.0/18

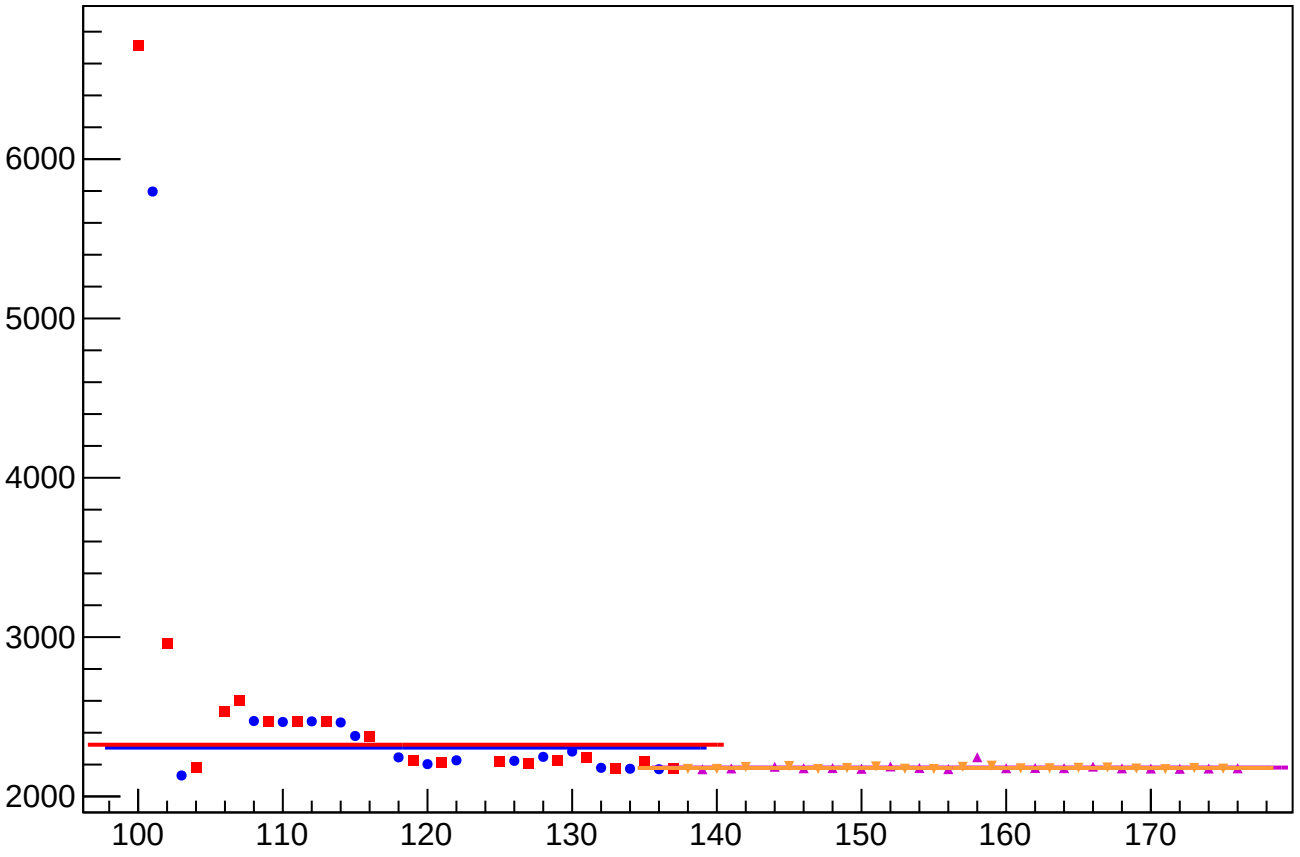
Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: 689.896+/-553.313 χ^2/NDF:24.3/18

+ sign -919.172+/-472.132 χ^2/NDF: 33.9/34

All: -96.820+/-331.943 χ^2/NDF: 77.1/71

- sign 707.027+/-466.789 χ^2/NDF: 37.2/36



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.692+/-0.397 χ^2/NDF:282.2/18

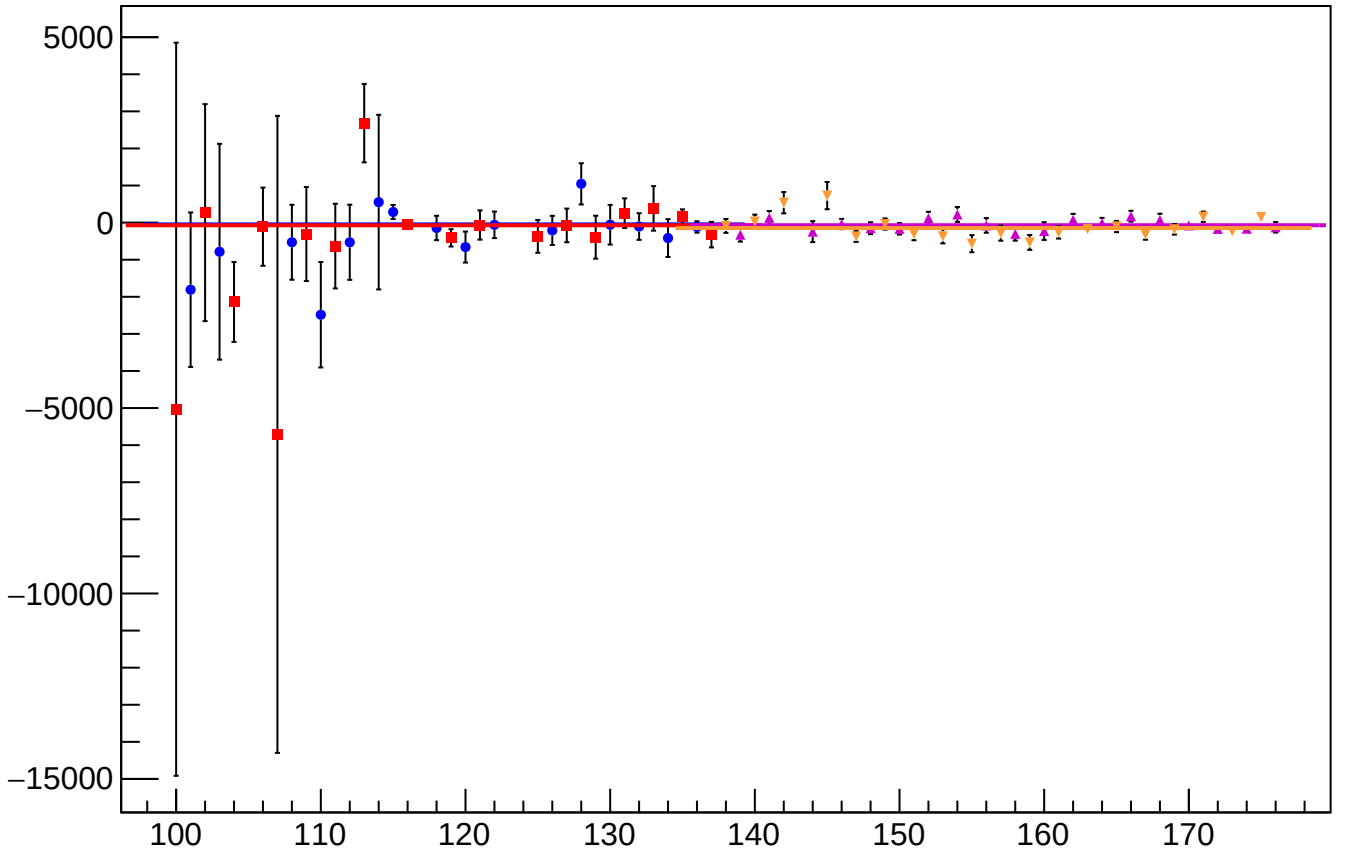
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.319+/-0.391 χ^2/NDF:1705.7/18

+ sign 2216.145+/-0.334 χ^2/NDF: 544844.1/34

All: 2219.435+/-0.235 χ^2/NDF: 739030.0/71

- sign 2222.650+/-0.330 χ^2/NDF: 193993.9/36



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -145.914+/-36.729 χ^2/NDF:39.4/18

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

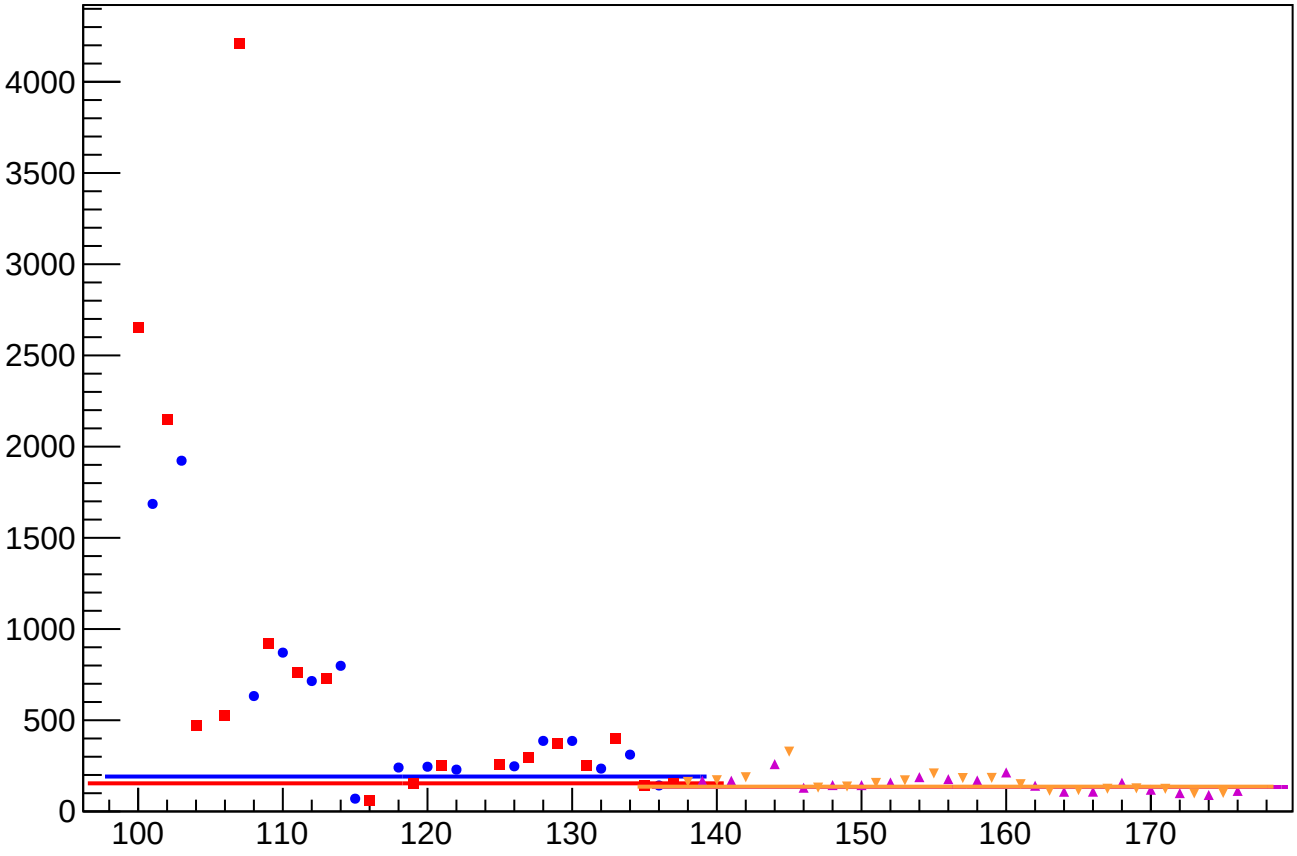
Left In: -70.543+/-35.745 χ^2/NDF:15.7/18

+ sign -132.171+/-34.055 χ^2/NDF: 54.7/34

All: -100.325+/-23.620 χ^2/NDF: 89.5/71

- sign -70.806+/-32.788 χ^2/NDF: 33.1/36

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 135.912+/-0.026 χ^2/NDF:1771058.8/18

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

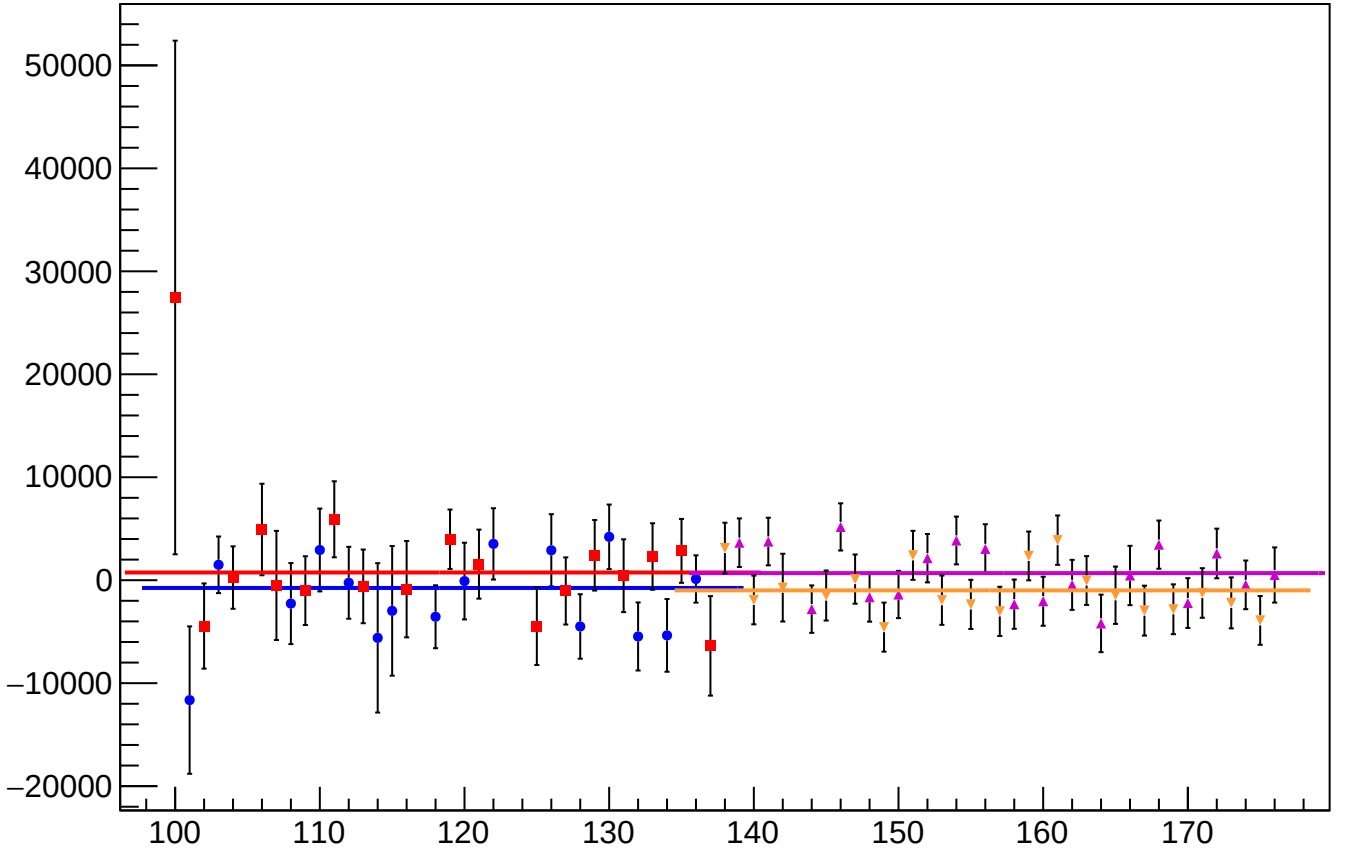
Left In: 133.981+/-0.025 χ^2/NDF:1913045.9/18

+ sign 143.698+/-0.024 χ^2/NDF: 7475177.2/34

All: 140.313+/-0.017 χ^2/NDF: 15635665.9/71

- sign 137.176+/-0.023 χ^2/NDF: 8122424.6/36

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: -987.810+/-561.391 χ^2/NDF:18.0/18

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

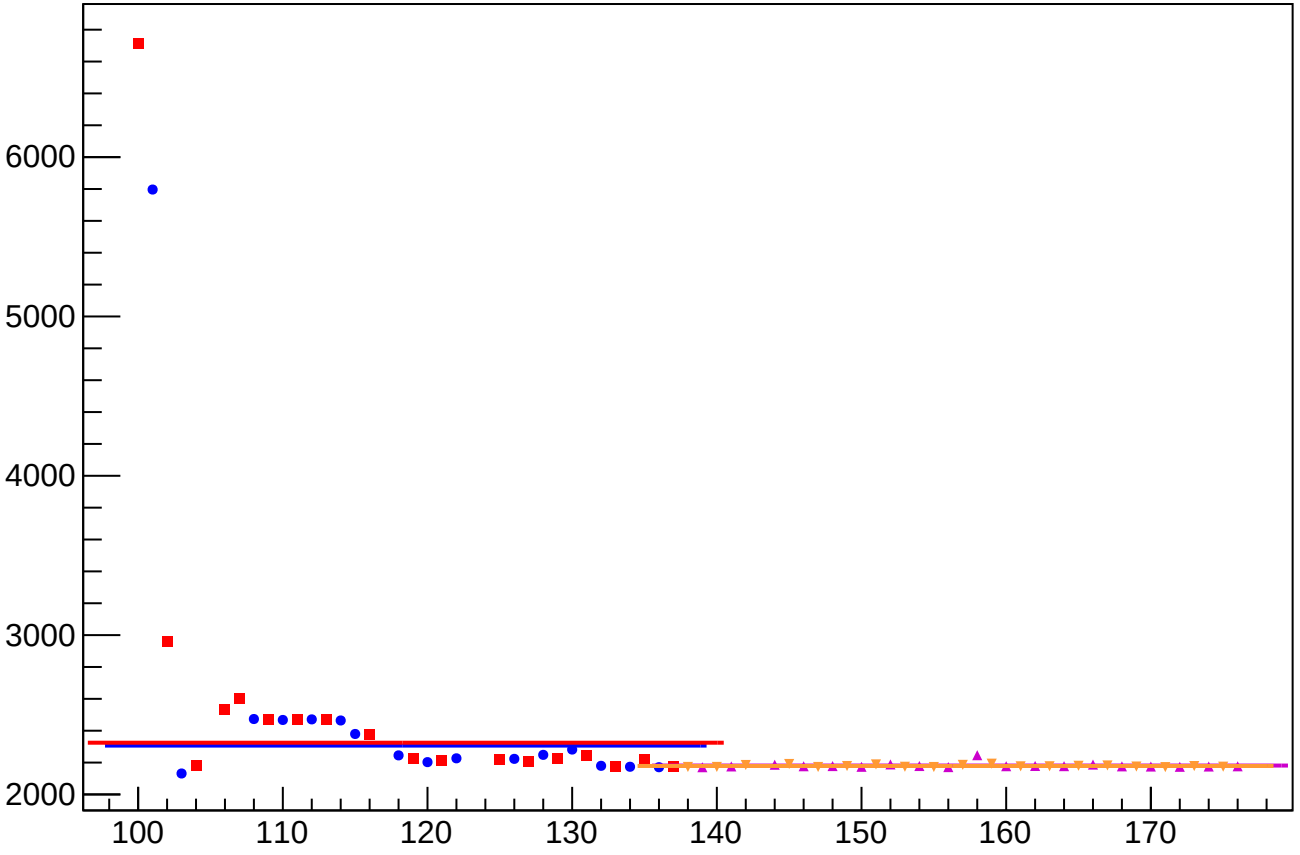
Left In: 689.896+/-553.313 χ^2/NDF:24.3/18

\+ sign -919.172+/-472.132 χ^2/NDF: 33.9/34

All: -96.820+/-331.943 χ^2/NDF: 77.1/71

\- sign 707.027+/-466.789 χ^2/NDF: 37.2/36

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.692+/-0.397 χ^2/NDF:282.2/18

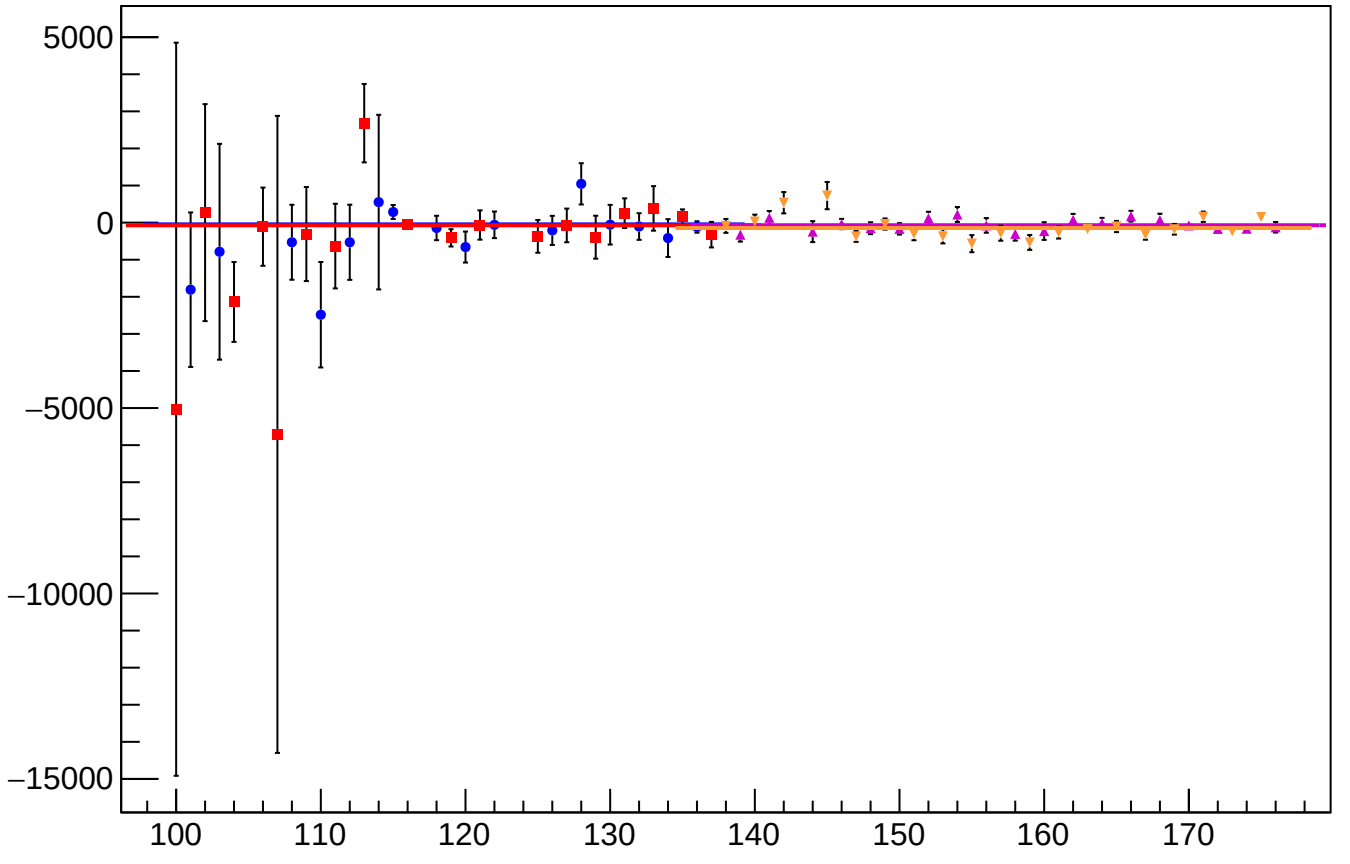
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.319+/-0.391 χ^2/NDF:1705.7/18

+ sign 2216.145+/-0.334 χ^2/NDF: 544844.1/34

All: 2219.435+/-0.235 χ^2/NDF: 739030.0/71

- sign 2222.650+/-0.330 χ^2/NDF: 193993.9/36



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -145.914+/-36.729 χ^2/NDF:39.4/18

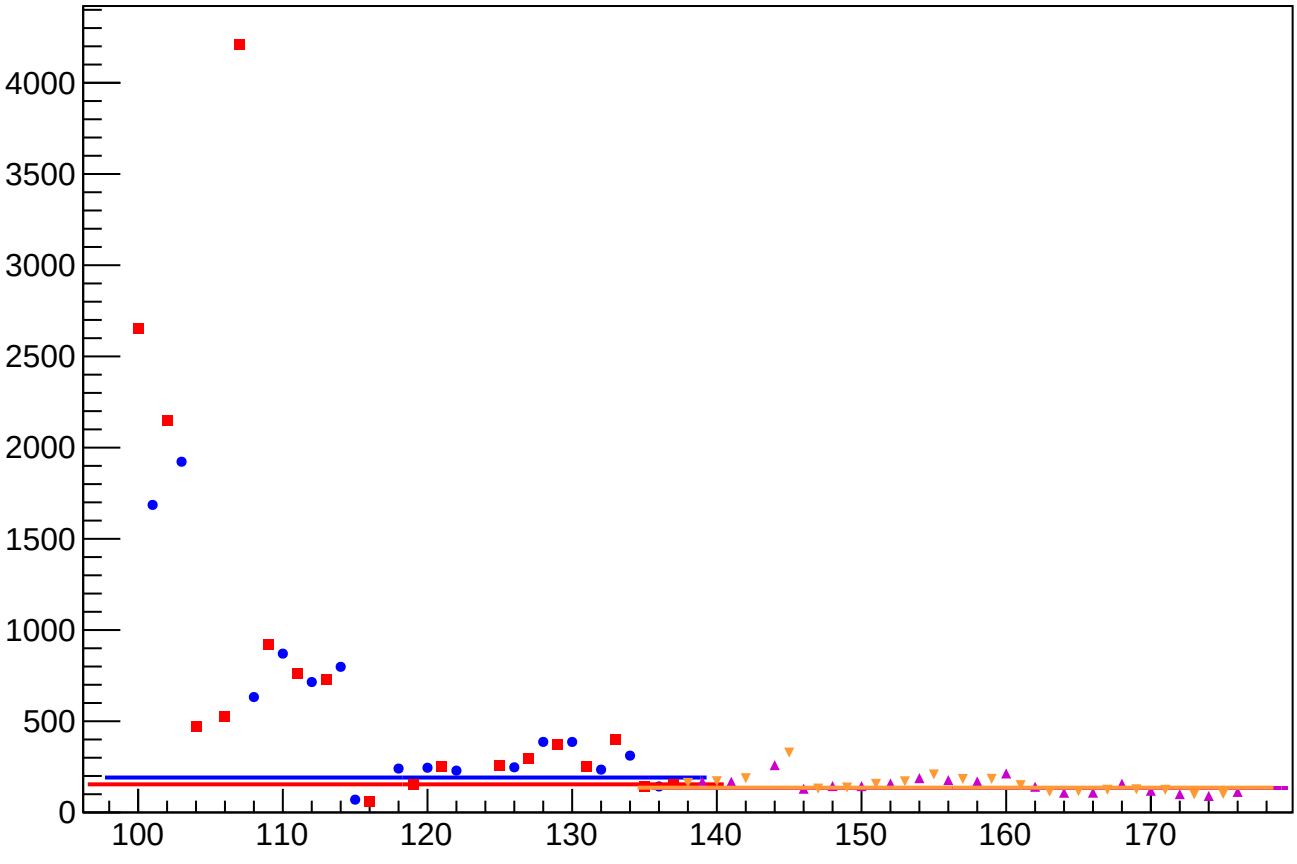
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -70.543+/-35.745 χ^2/NDF:15.7/18

+ sign -132.171+/-34.055 χ^2/NDF: 54.7/34

All: -100.325+/-23.620 χ^2/NDF: 89.5/71

- sign -70.806+/-32.788 χ^2/NDF: 33.1/36



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 135.912+/-0.026 χ^2/NDF:1771058.8/18

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

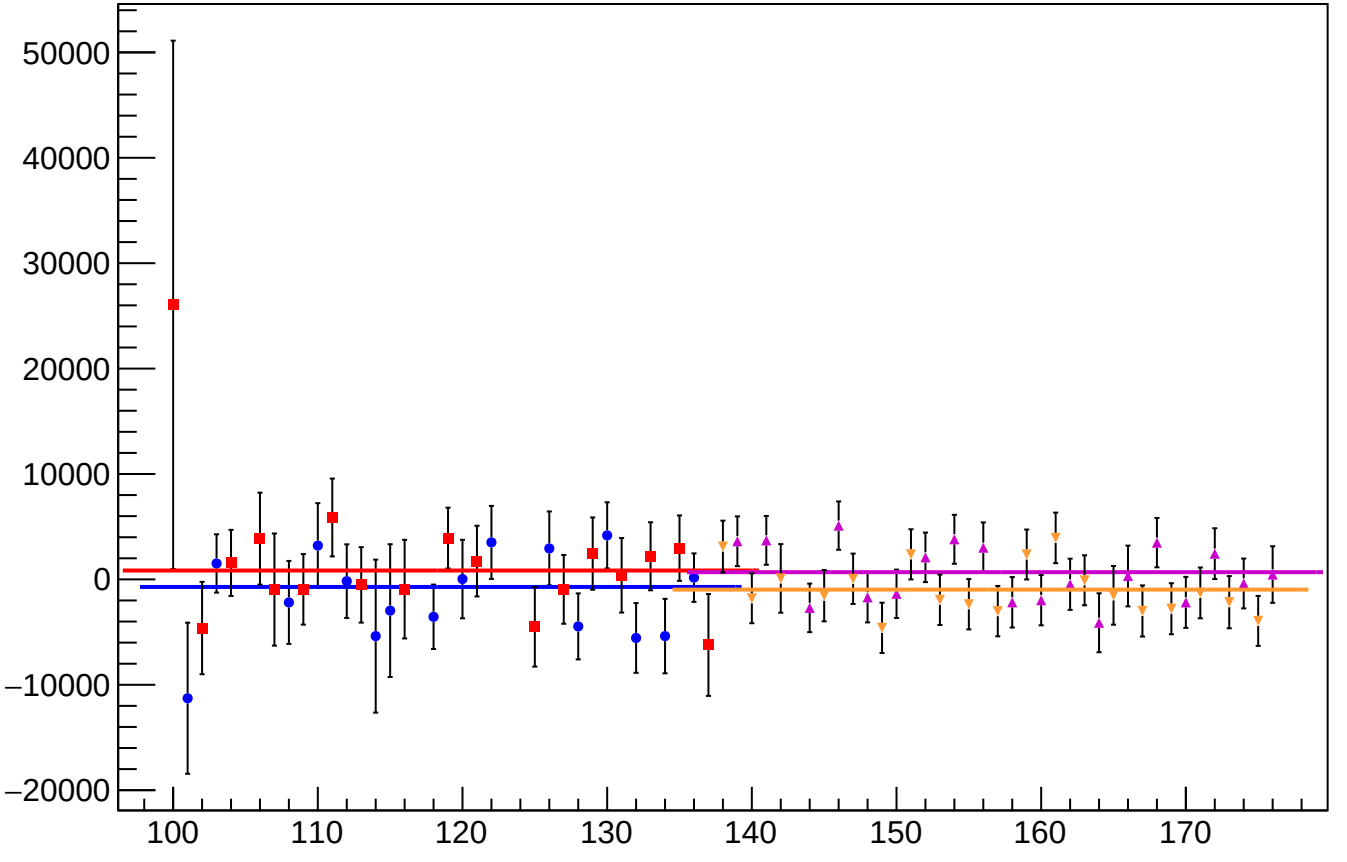
Left In: 133.981+/-0.025 χ^2/NDF:1913045.9/18

+ sign 143.698+/-0.024 χ^2/NDF: 7475177.2/34

All: 140.313+/-0.017 χ^2/NDF: 15635665.9/71

- sign 137.176+/-0.023 χ^2/NDF: 8122424.6/36

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -971.089+/-561.413 χ^2/NDF:18.2/18

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

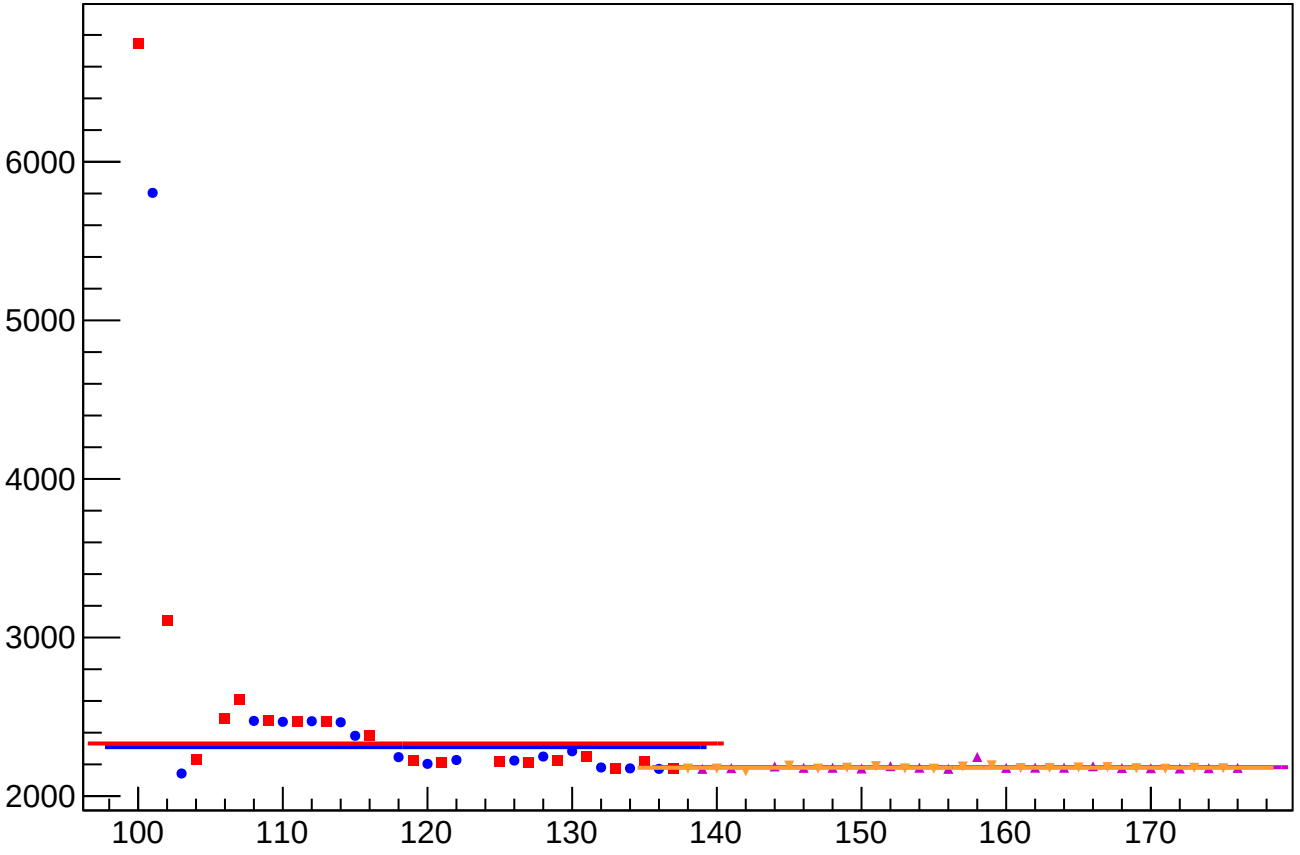
Left In: 684.425+/-553.515 χ^2/NDF:23.5/18

+ sign -896.856+/-472.285 χ^2/NDF: 34.1/34

All: -75.449+/-332.273 χ^2/NDF: 75.7/71

- sign 729.609+/-467.561 χ^2/NDF: 35.7/36

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.604+/-0.397 χ^2/NDF:372.2/18

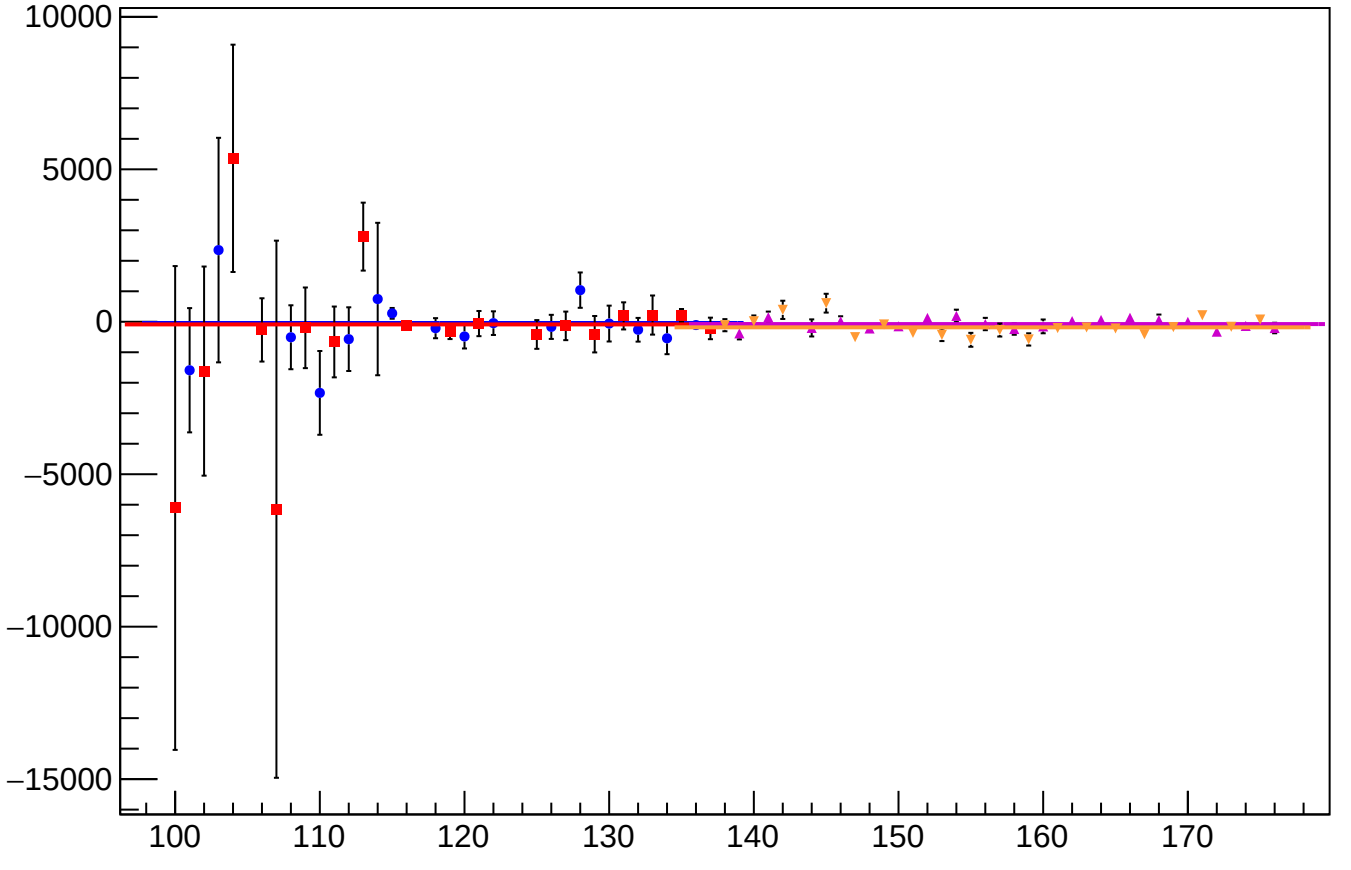
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.114+/-0.391 χ^2/NDF:1697.8/18

+ sign 2216.644+/-0.334 χ^2/NDF: 545526.5/34

All: 2220.868+/-0.235 χ^2/NDF: 756789.1/71

- sign 2225.007+/-0.331 χ^2/NDF: 210945.9/36



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -182.096+/-37.803 χ^2/NDF:39.6/18

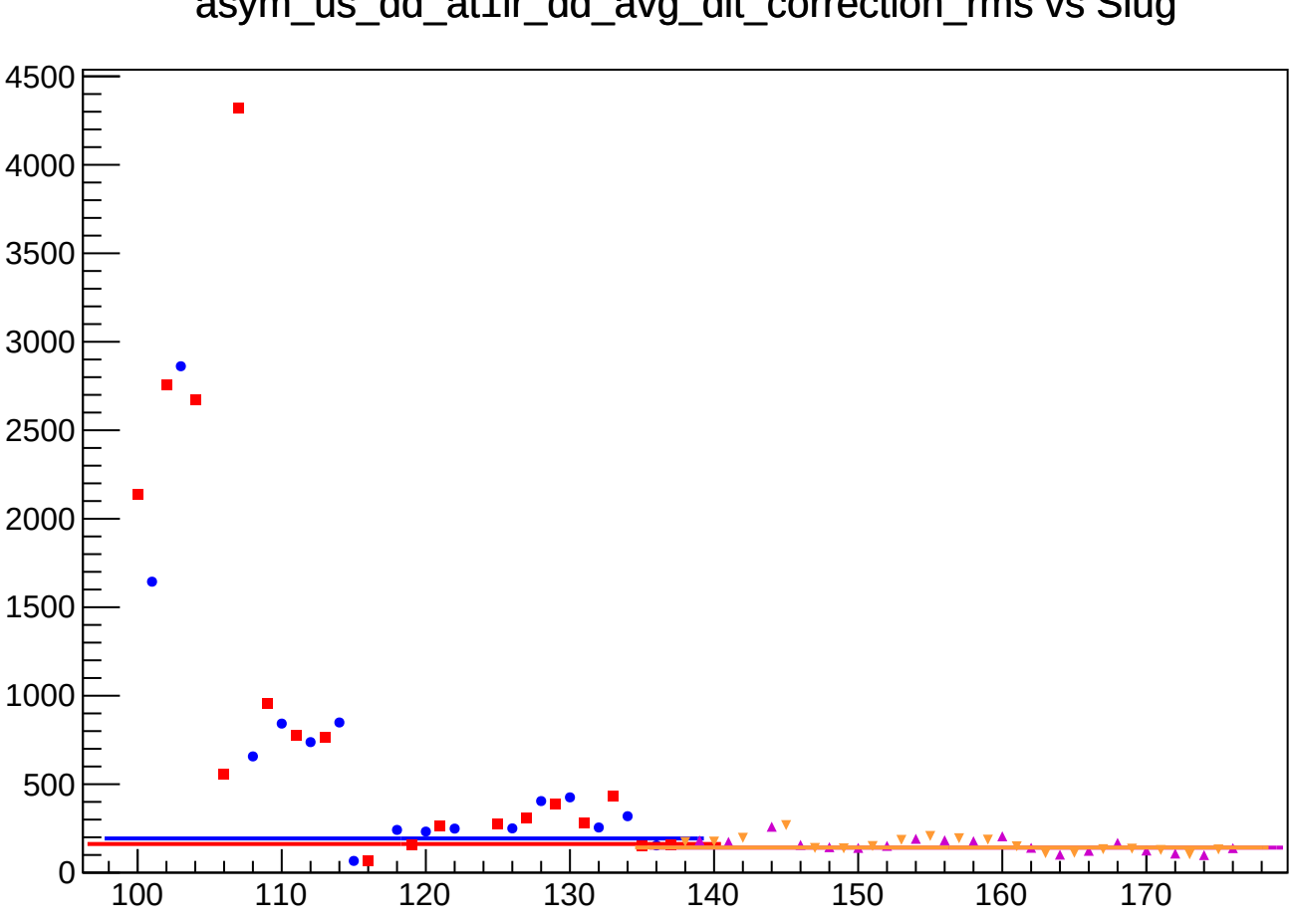
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -75.577+/-37.090 χ^2/NDF:18.4/18

+ sign -161.742+/-34.989 χ^2/NDF: 55.6/34

All: -118.373+/-24.407 χ^2/NDF: 92.0/71

- sign -77.268+/-34.063 χ^2/NDF: 33.4/36



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 142.119+/-0.027 χ^2/NDF:1476931.9/18

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

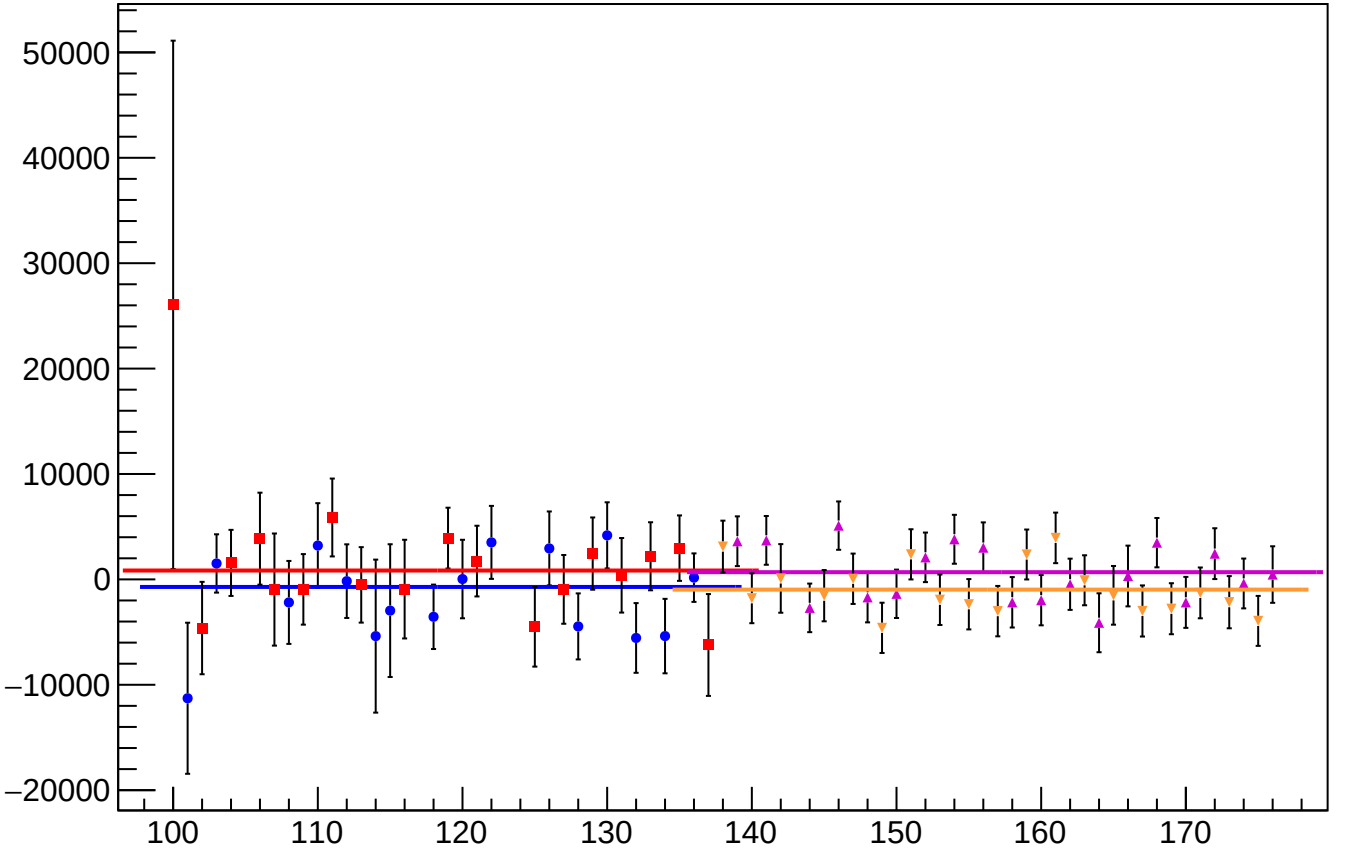
Left In: 141.562+/-0.026 χ^2/NDF:1694117.0/18

+ sign 149.450+/-0.025 χ^2/NDF: 7619404.1/34

All: 147.052+/-0.017 χ^2/NDF: 16498446.4/71

- sign 144.780+/-0.024 χ^2/NDF: 8860745.7/36

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: -971.091+/-561.413 χ^2/NDF:18.2/18

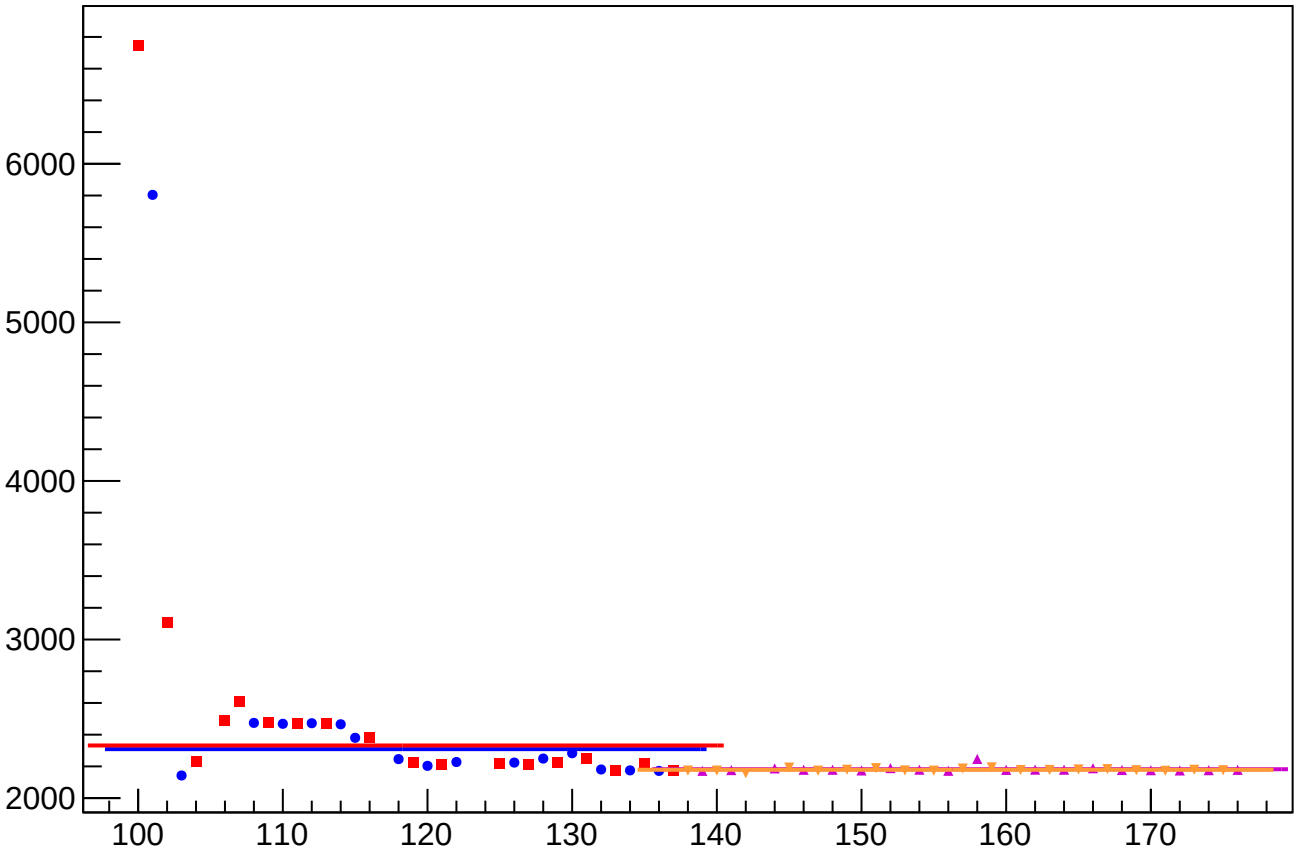
Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: 684.424+/-553.515 χ^2/NDF:23.5/18

\+ sign -896.858+/-472.285 χ^2/NDF: 34.1/34

All: -75.449+/-332.273 χ^2/NDF: 75.7/71

\- sign 729.609+/-467.561 χ^2/NDF: 35.7/36



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.604+/-0.397 χ^2/NDF:372.2/18

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

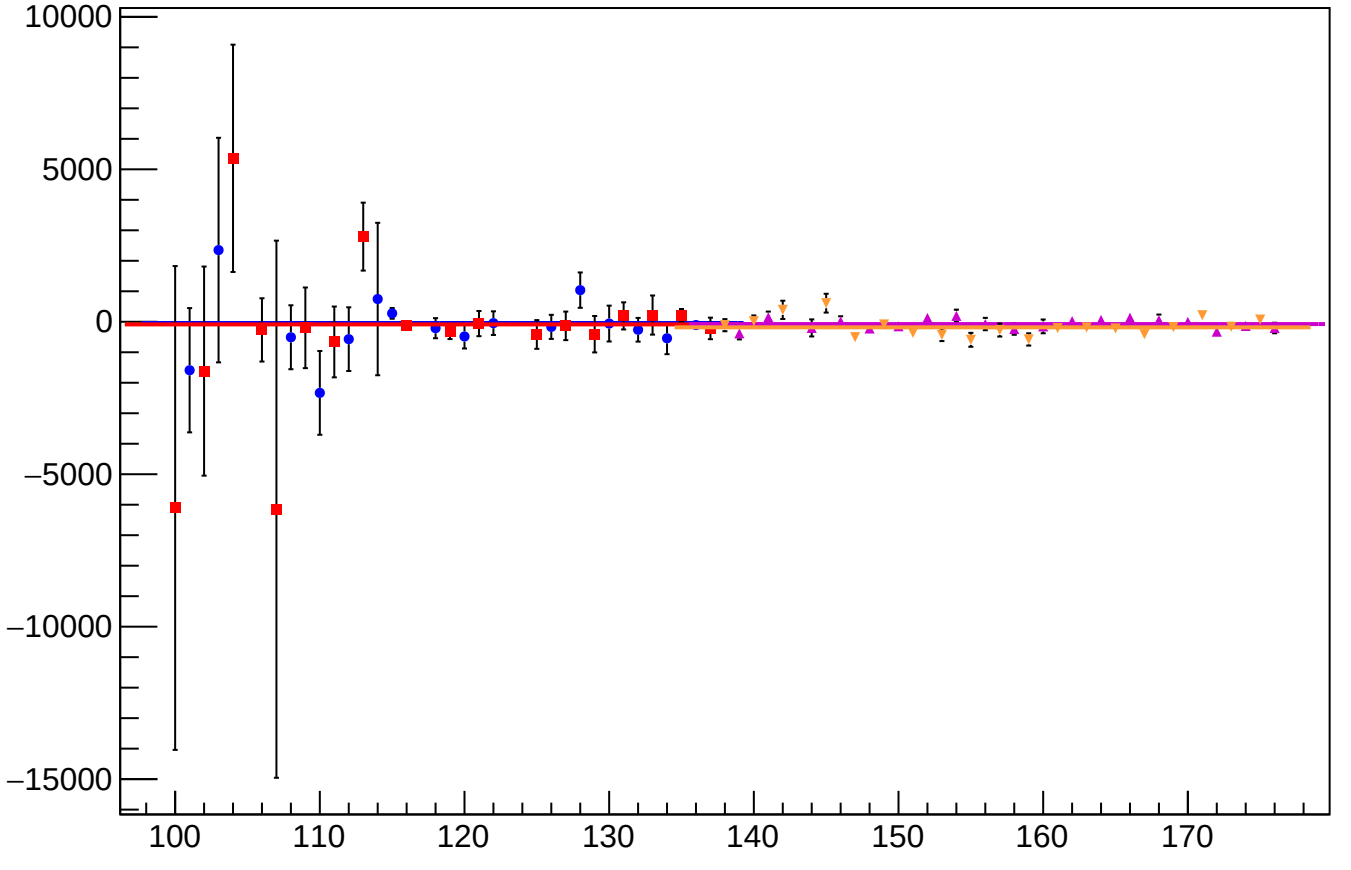
Left In: 2182.114+/-0.391 χ^2/NDF:1697.8/18

+ sign 2216.644+/-0.334 χ^2/NDF: 545526.5/34

All: 2220.868+/-0.235 χ^2/NDF: 756789.0/71

- sign 2225.007+/-0.331 χ^2/NDF: 210945.8/36

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -182.097+/-37.803 χ^2/NDF:39.6/18

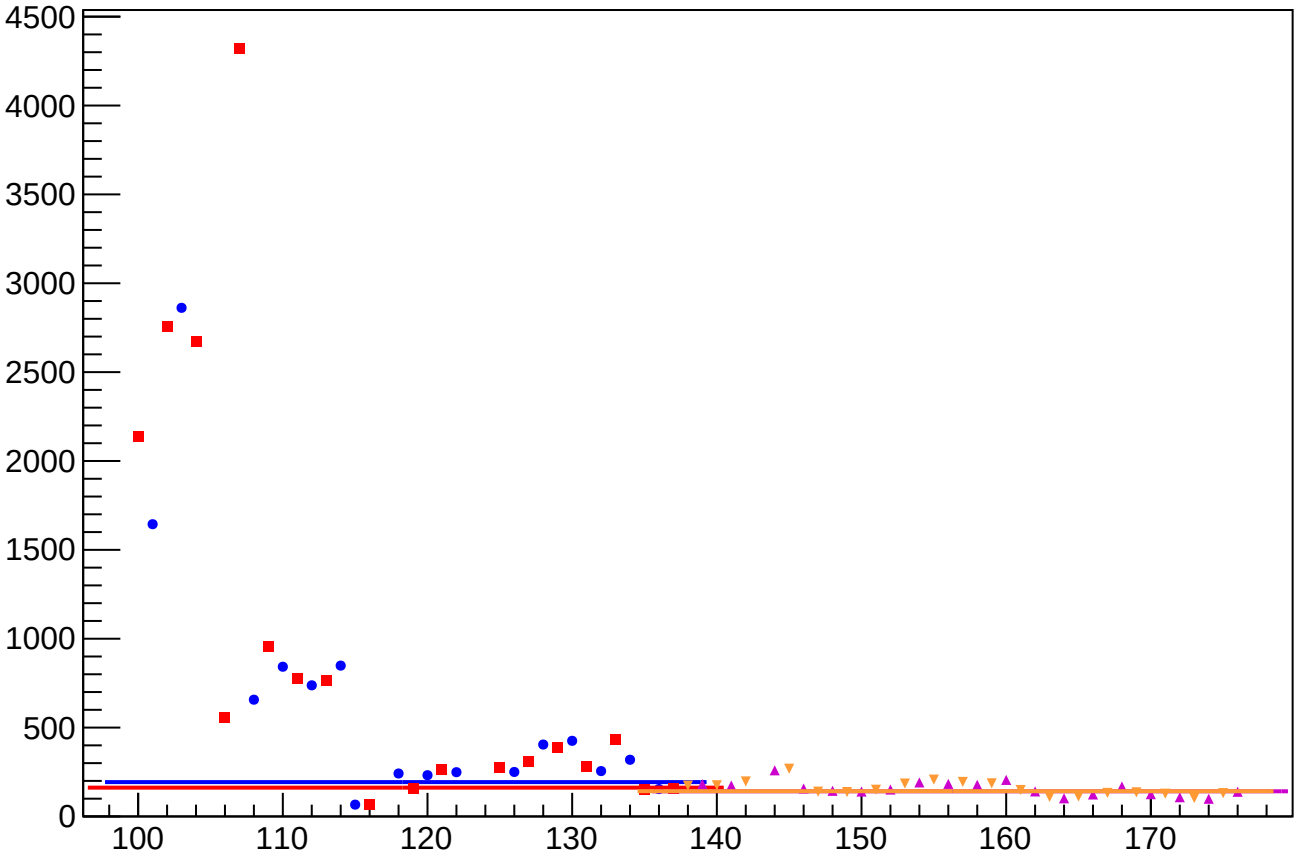
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -75.576+/-37.090 χ^2/NDF:18.4/18

+ sign -161.742+/-34.989 χ^2/NDF: 55.6/34

All: -118.373+/-24.407 χ^2/NDF: 92.0/71

- sign -77.267+/-34.063 χ^2/NDF: 33.4/36



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 142.120+/-0.027 χ^2/NDF:1476940.3/18

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

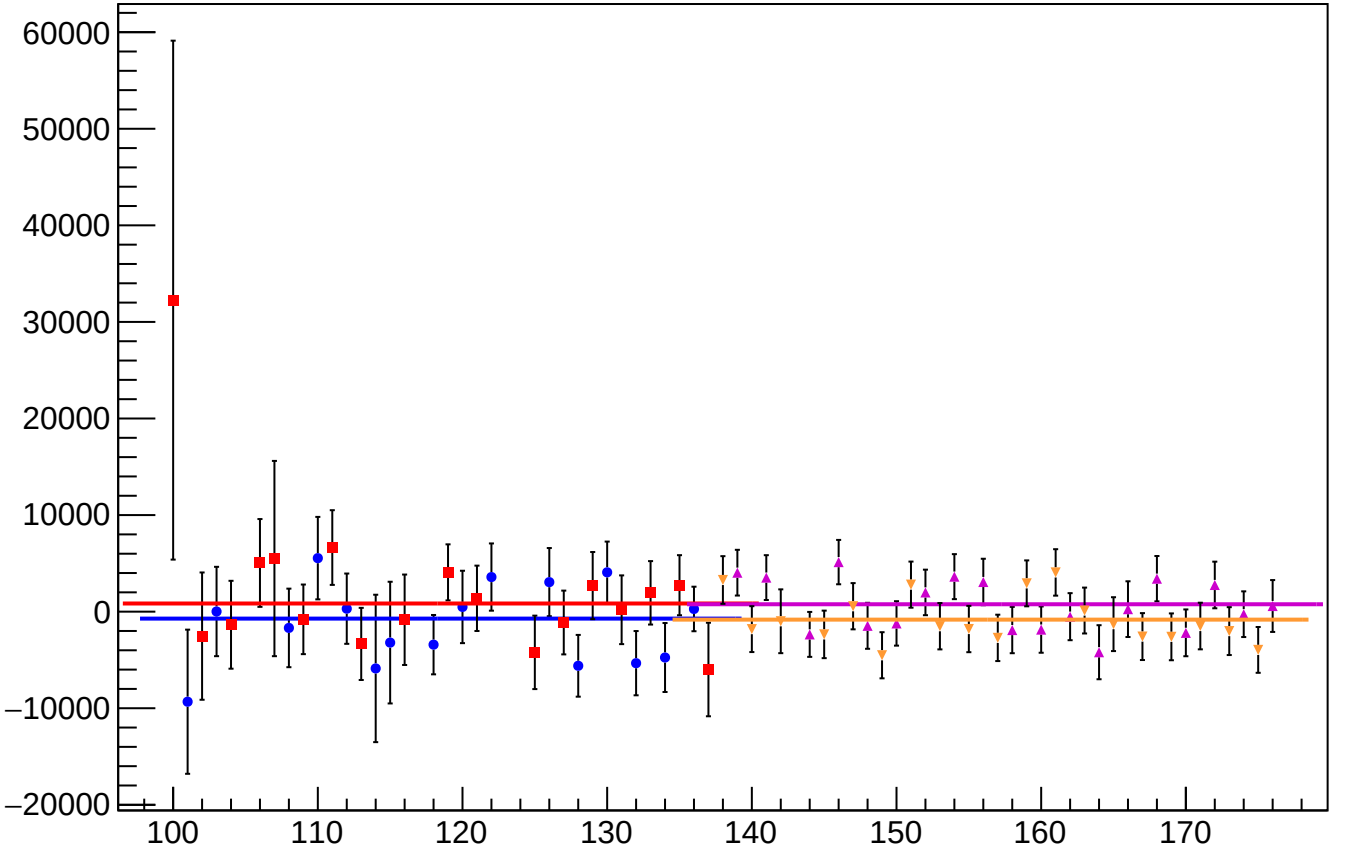
Left In: 141.562+/-0.026 χ^2/NDF:1694147.3/18

+ sign 149.450+/-0.025 χ^2/NDF: 7619407.0/34

All: 147.052+/-0.017 χ^2/NDF: 16498516.7/71

- sign 144.780+/-0.024 χ^2/NDF: 8860812.9/36

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -825.998+/-563.206 χ^2/NDF:19.1/18

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

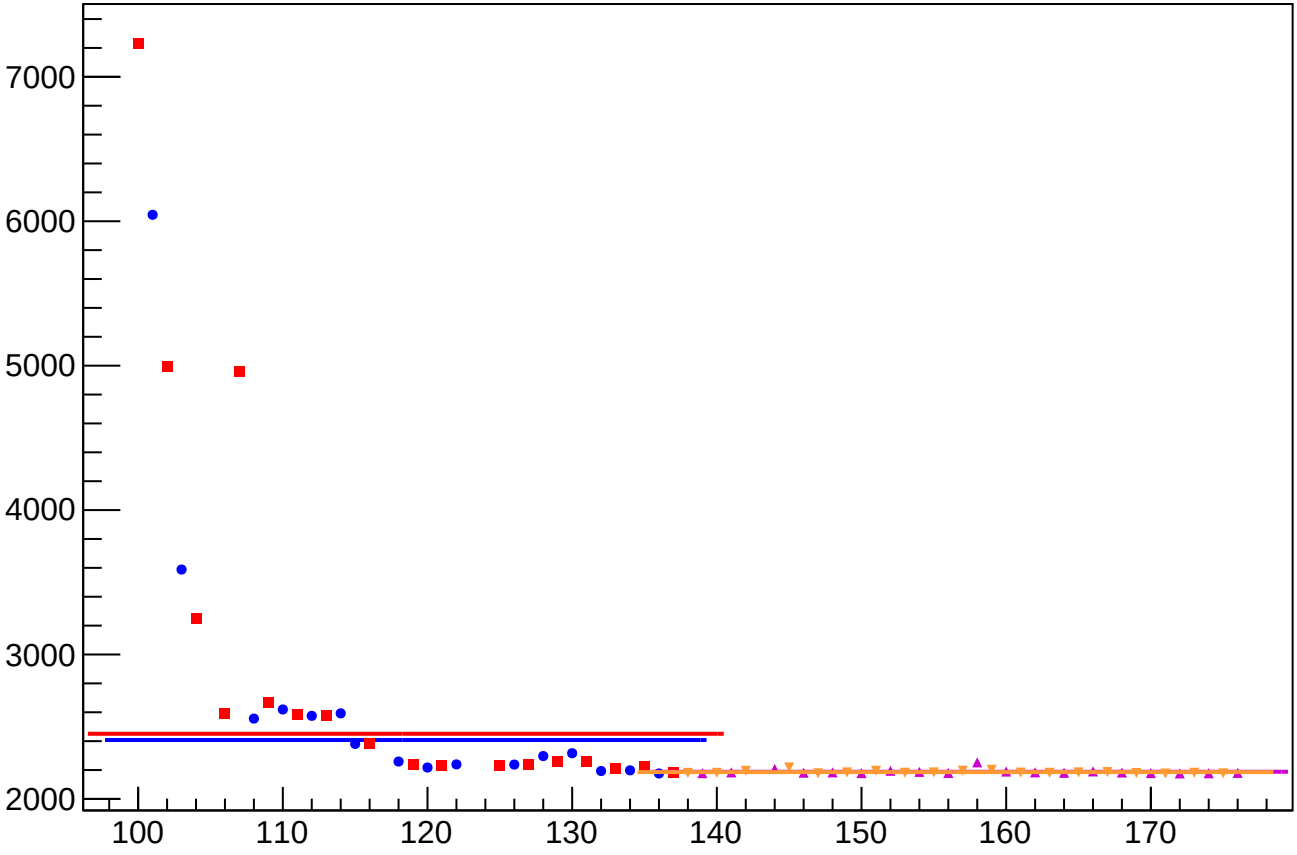
Left In: 766.593+/-555.036 χ^2/NDF:22.6/18

+ sign -796.810+/-479.806 χ^2/NDF: 34.9/34

All: 0.769+/-338.075 χ^2/NDF: 76.0/71

- sign 787.178+/-476.434 χ^2/NDF: 35.5/36

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2185.723+/-0.398 χ^2/NDF:655.6/18

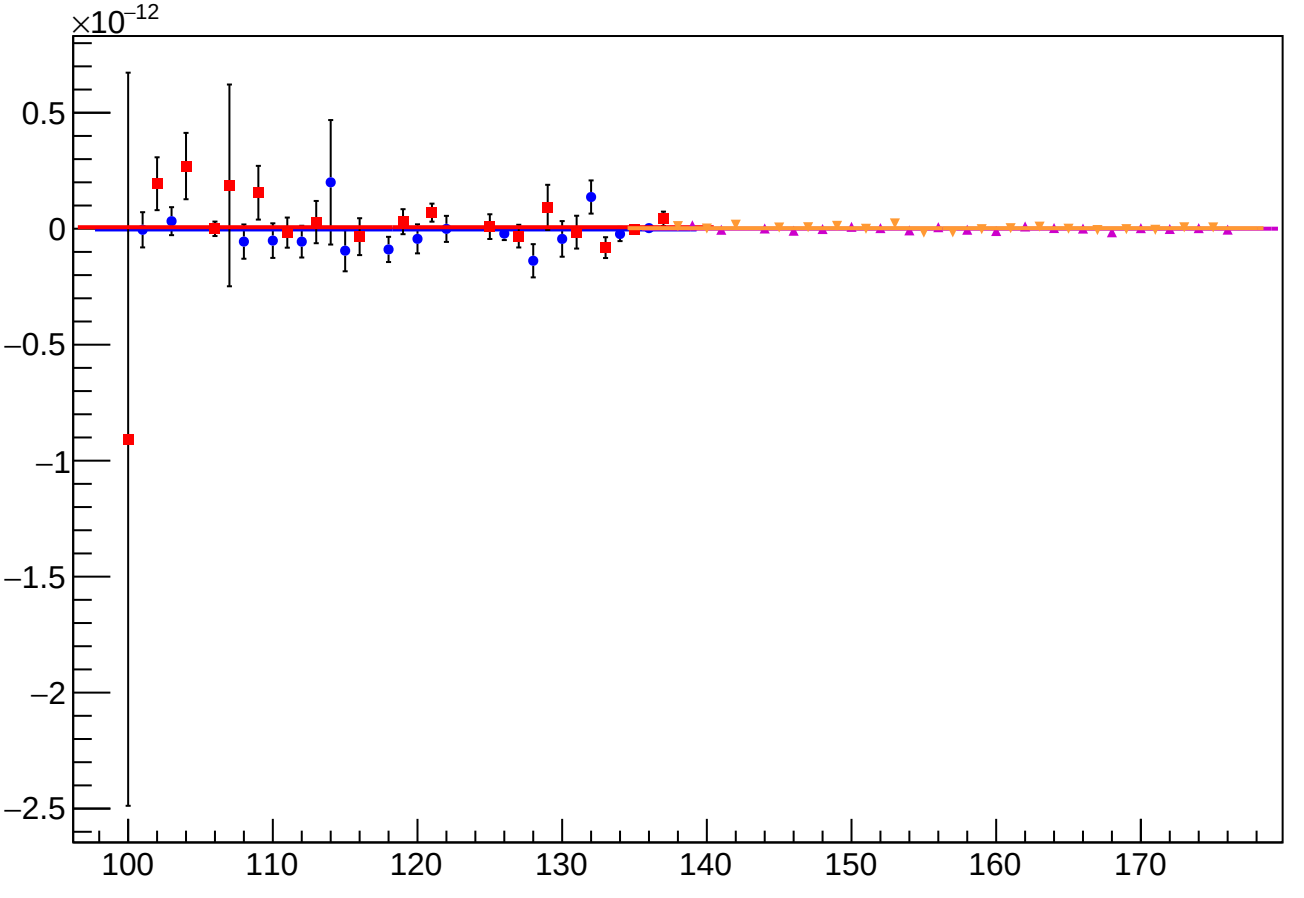
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.104+/-0.392 χ^2/NDF:1915.0/18

+ sign 2246.623+/-0.339 χ^2/NDF: 762818.6/34

All: 2252.021+/-0.239 χ^2/NDF: 1517095.0/71

- sign 2257.343+/-0.337 χ^2/NDF: 753773.8/36



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.7/18

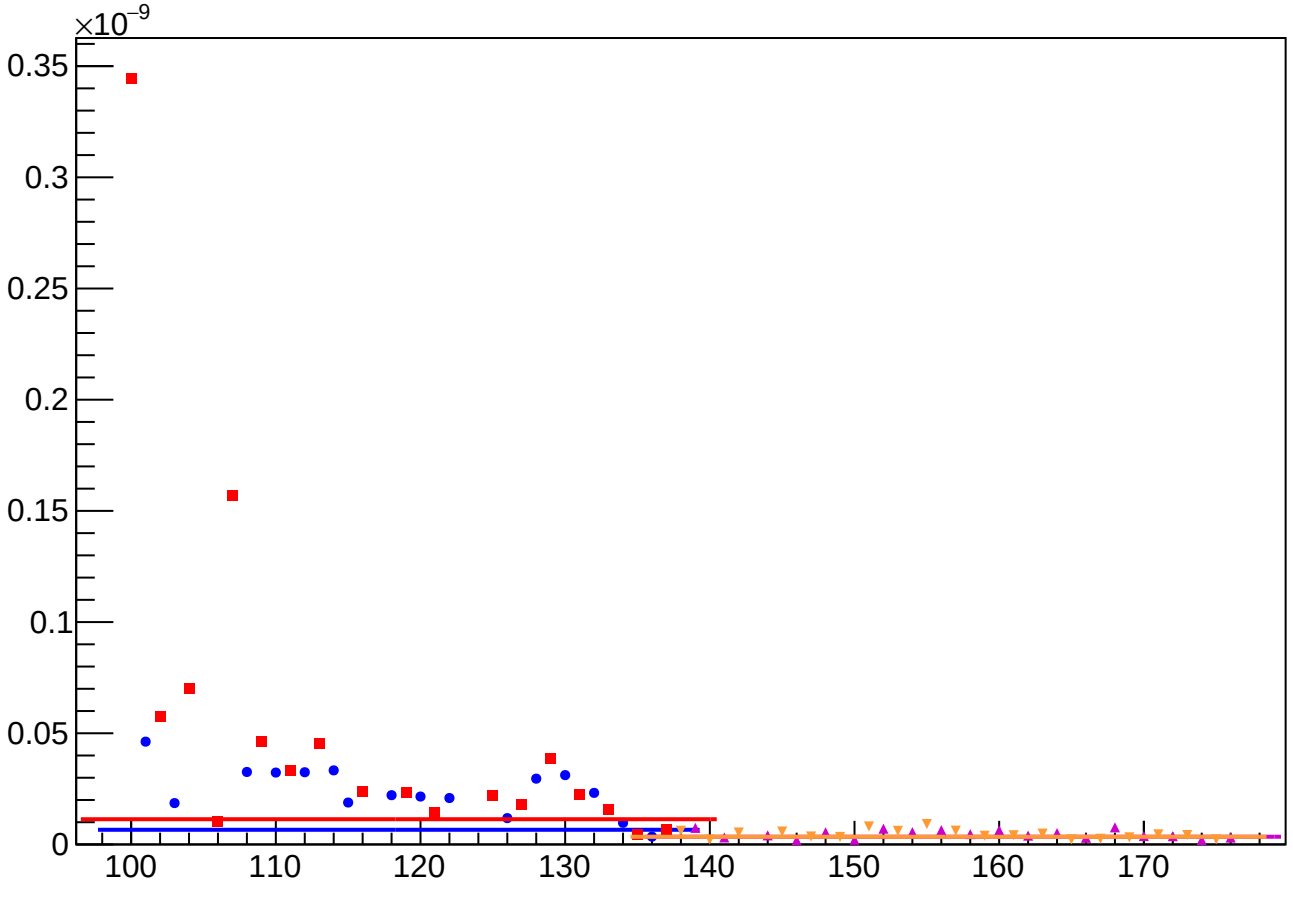
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:12.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 33.0/34

All: 0.000+/-0.000 χ^2/NDF: 65.7/71

- sign 0.000+/-0.000 χ^2/NDF: 32.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1636376.0/18

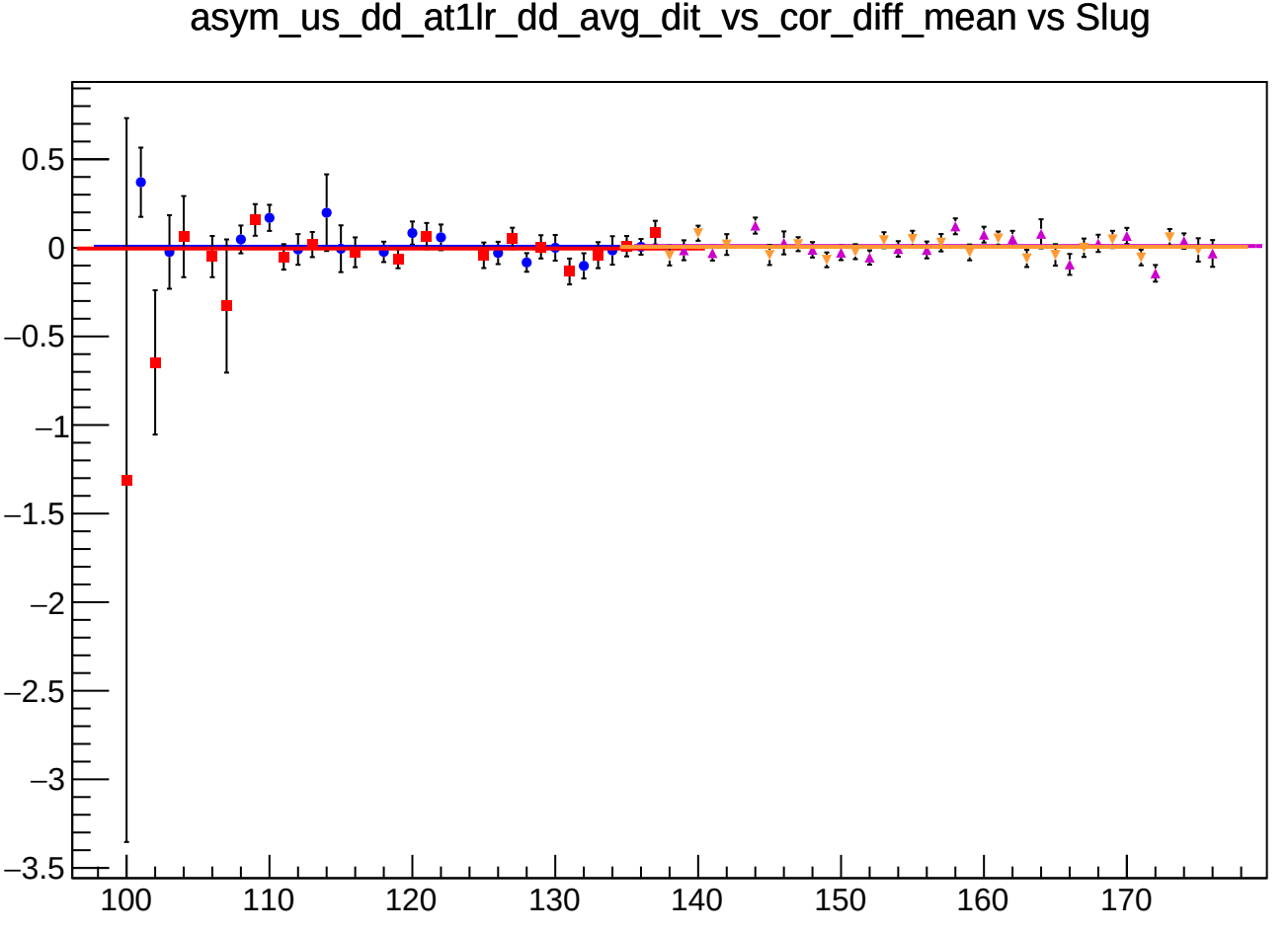
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1571678.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 4960984.5/34

All: 0.000+/-0.000 χ^2/NDF: 10493313.1/71

- sign 0.000+/-0.000 χ^2/NDF: 5531138.5/36



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:18.4/18

Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

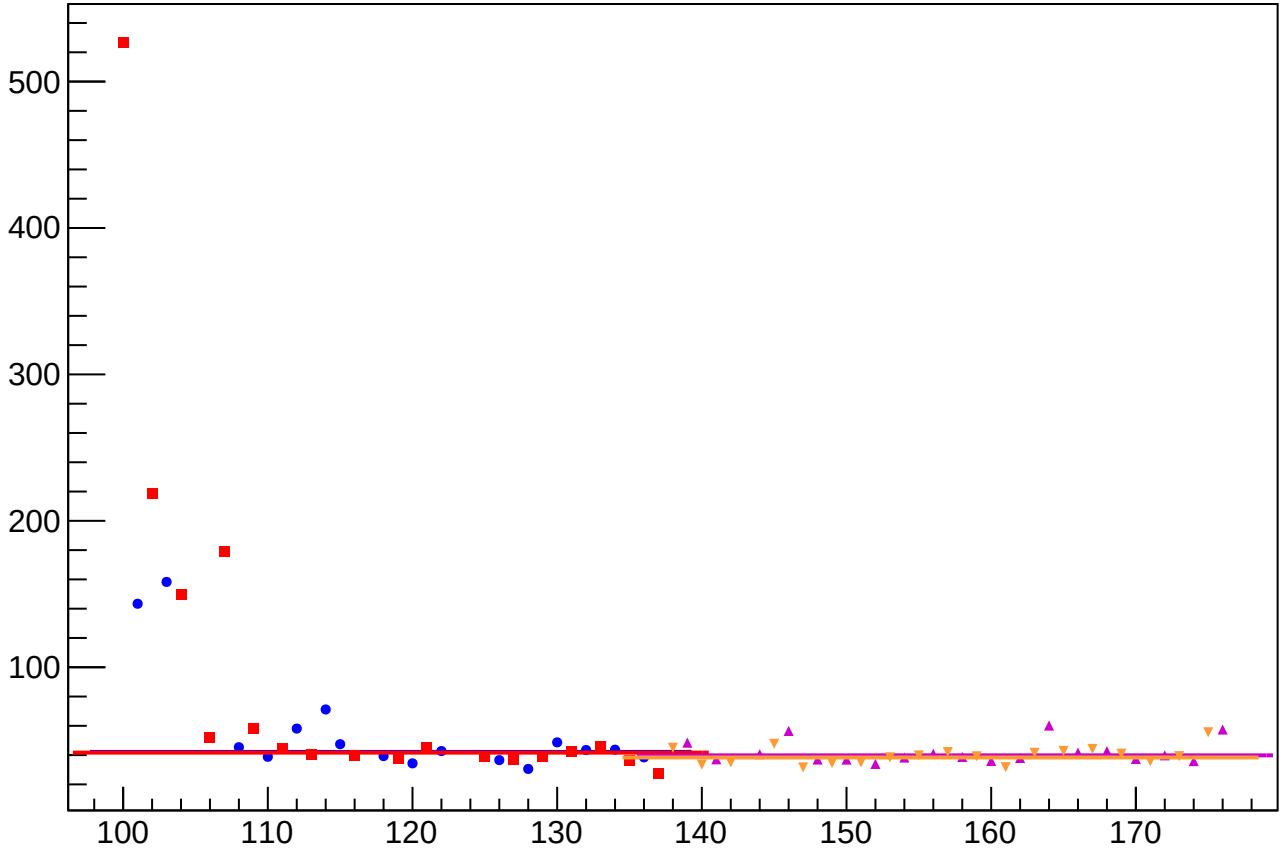
Left In: 0.010+/-0.011 χ^2/NDF:37.4/18

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/34

All: 0.006+/-0.007 χ^2/NDF: 89.8/71

- sign 0.007+/-0.009 χ^2/NDF: 54.1/36

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 38.390+/-0.008 χ^2/NDF:469464.8/18

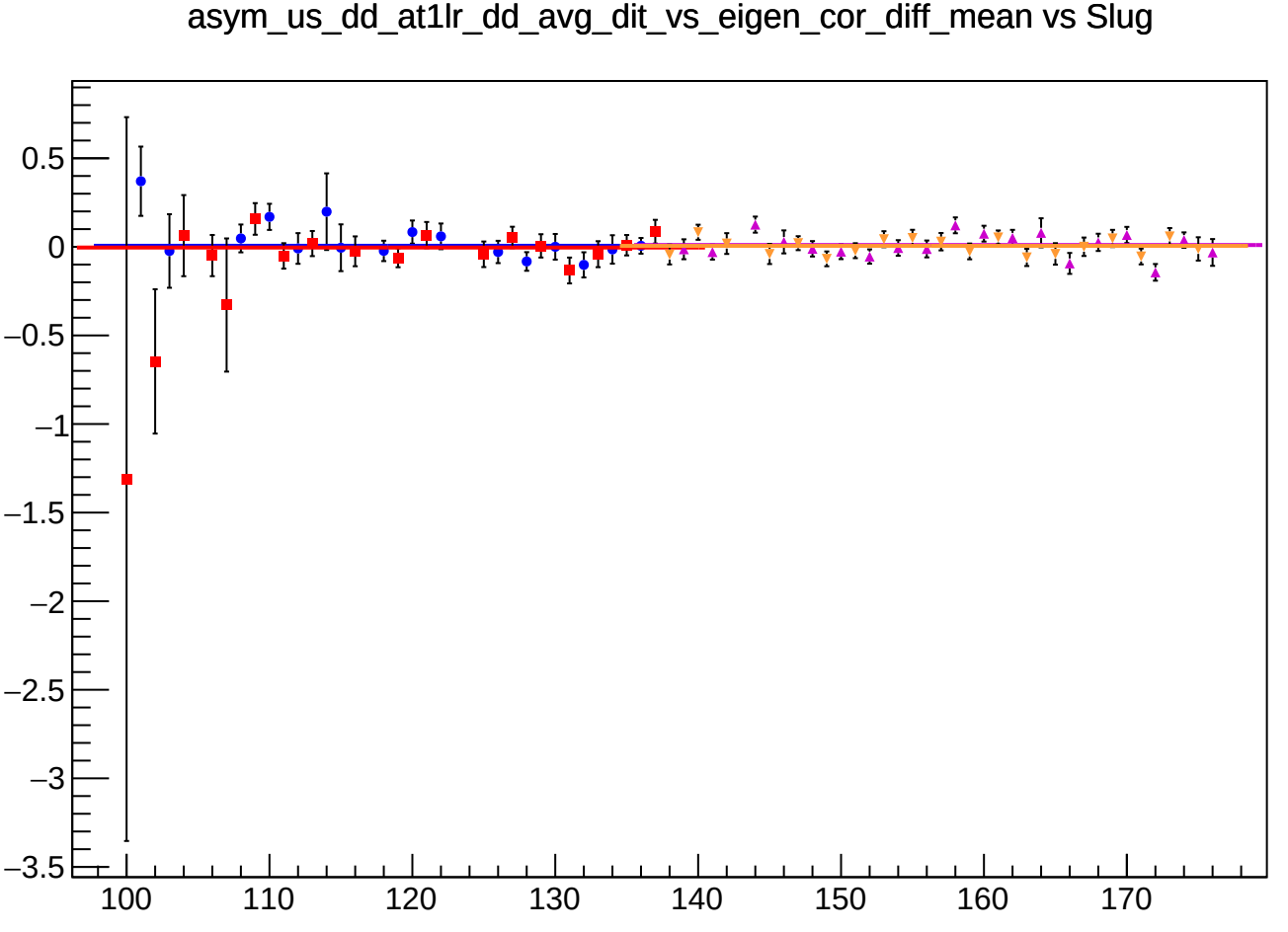
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.823+/-0.008 χ^2/NDF:533227.0/18

+ sign 39.380+/-0.007 χ^2/NDF: 1986928.0/34

All: 39.838+/-0.005 χ^2/NDF: 3986066.5/71

- sign 40.309+/-0.007 χ^2/NDF: 1989392.7/36



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:18.4/18

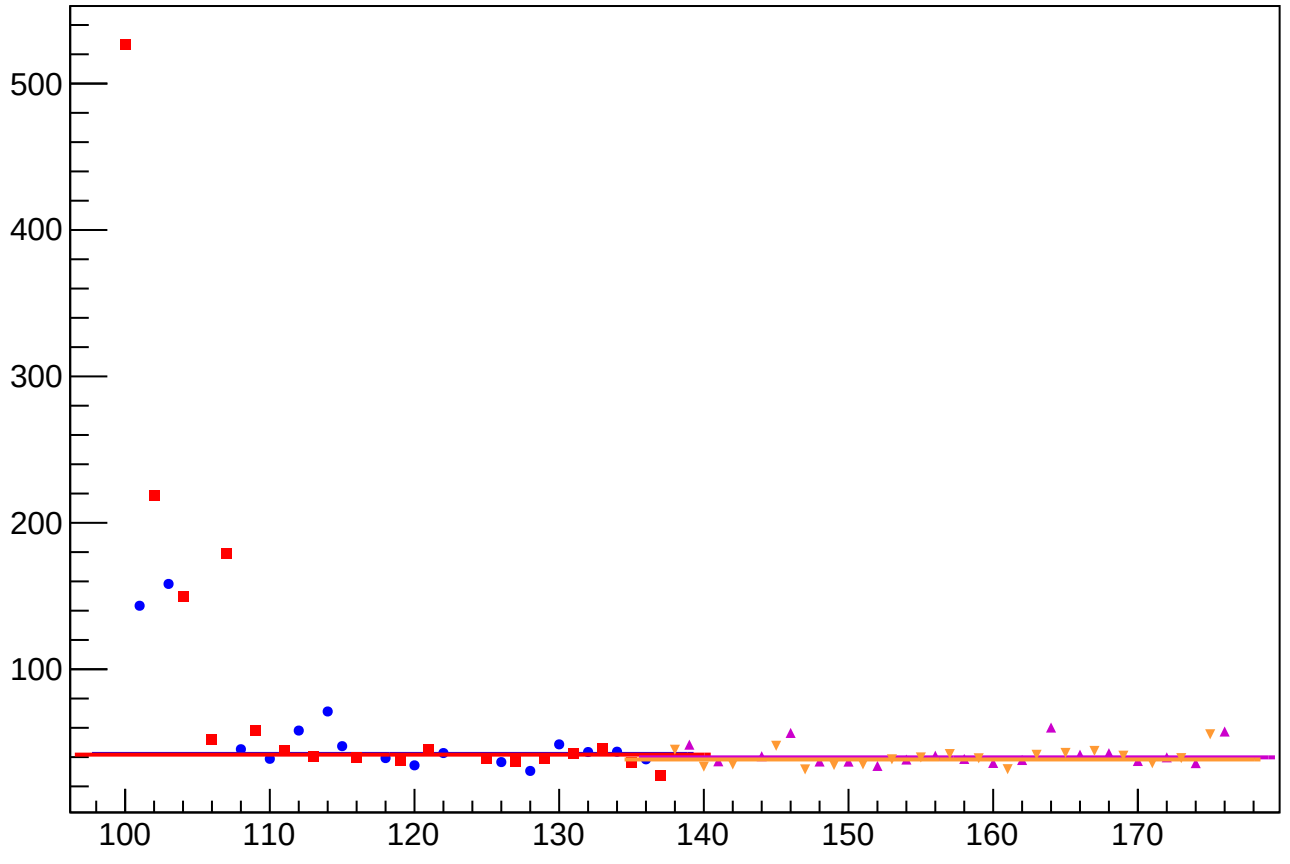
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.010+/-0.011 χ^2/NDF:37.4/18

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/34

All: 0.006+/-0.007 χ^2/NDF: 89.8/71

- sign 0.007+/-0.009 χ^2/NDF: 54.1/36



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 38.390+/-0.008 χ^2/NDF:469464.8/18

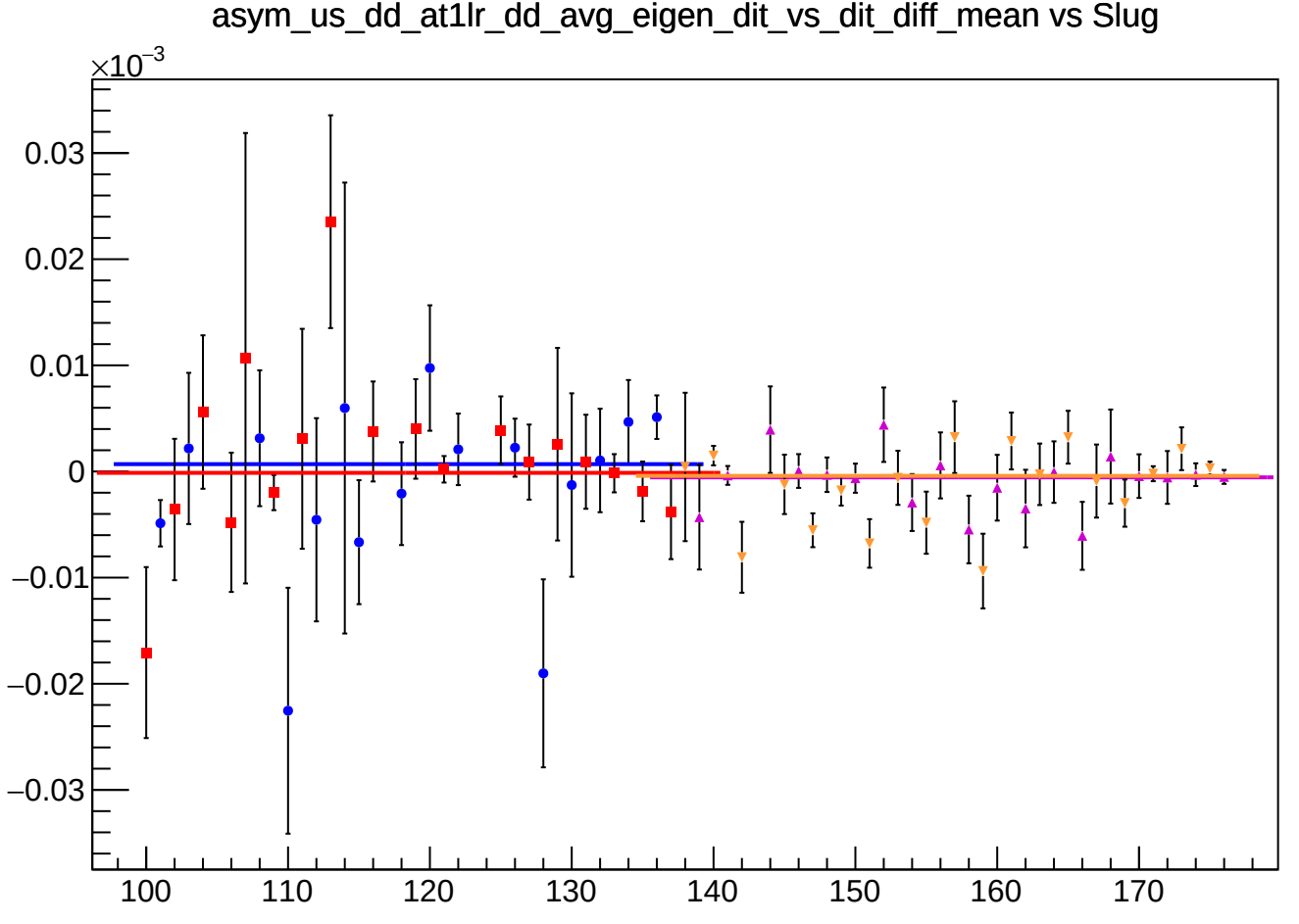
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.823+/-0.008 χ^2/NDF:533227.0/18

+ sign 39.380+/-0.007 χ^2/NDF: 1986928.0/34

All: 39.838+/-0.005 χ^2/NDF: 3986066.5/71

- sign 40.309+/-0.007 χ^2/NDF: 1989392.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.6/18

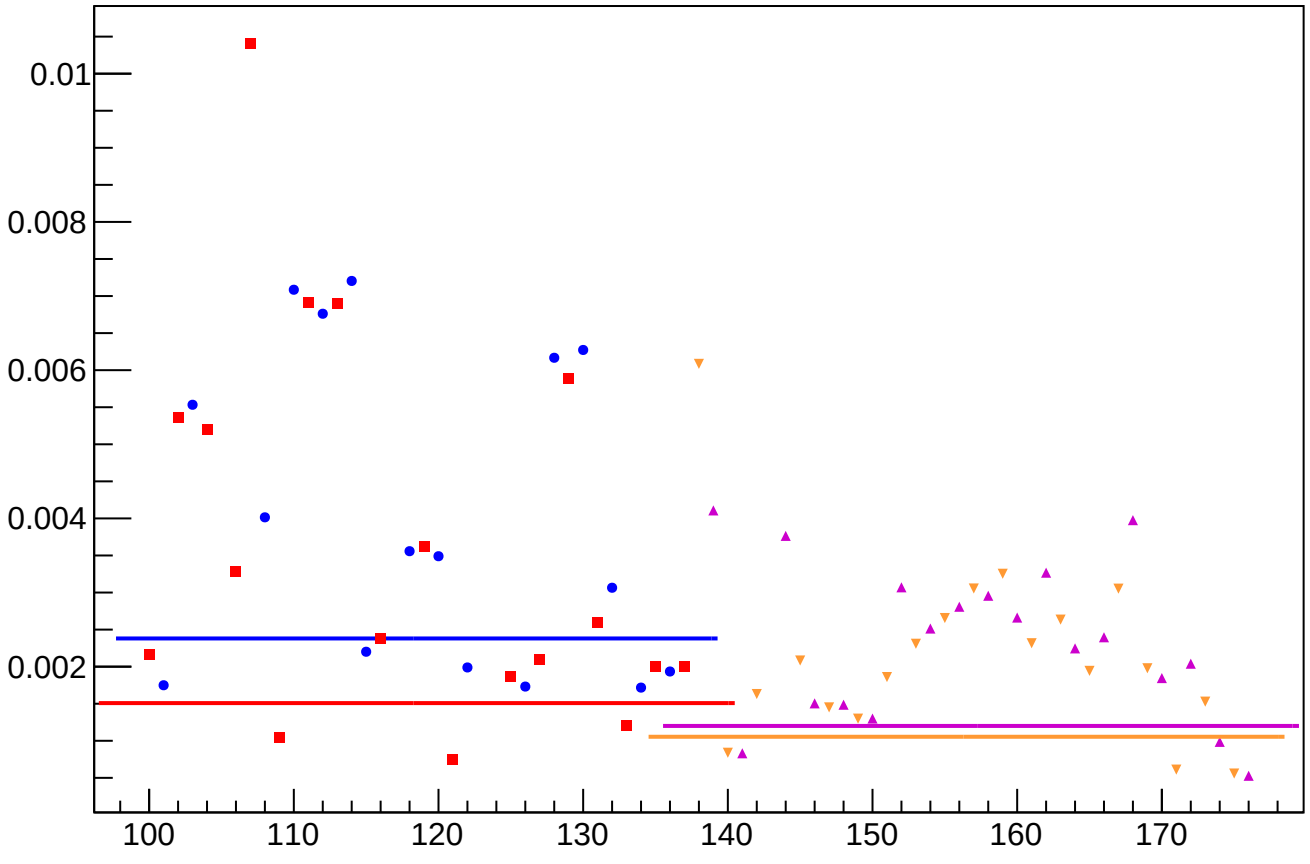
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:11.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 74.2/34

All: -0.000+/-0.000 χ^2/NDF: 103.3/71

- sign -0.000+/-0.000 χ^2/NDF: 29.0/36



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:8957952.0/18

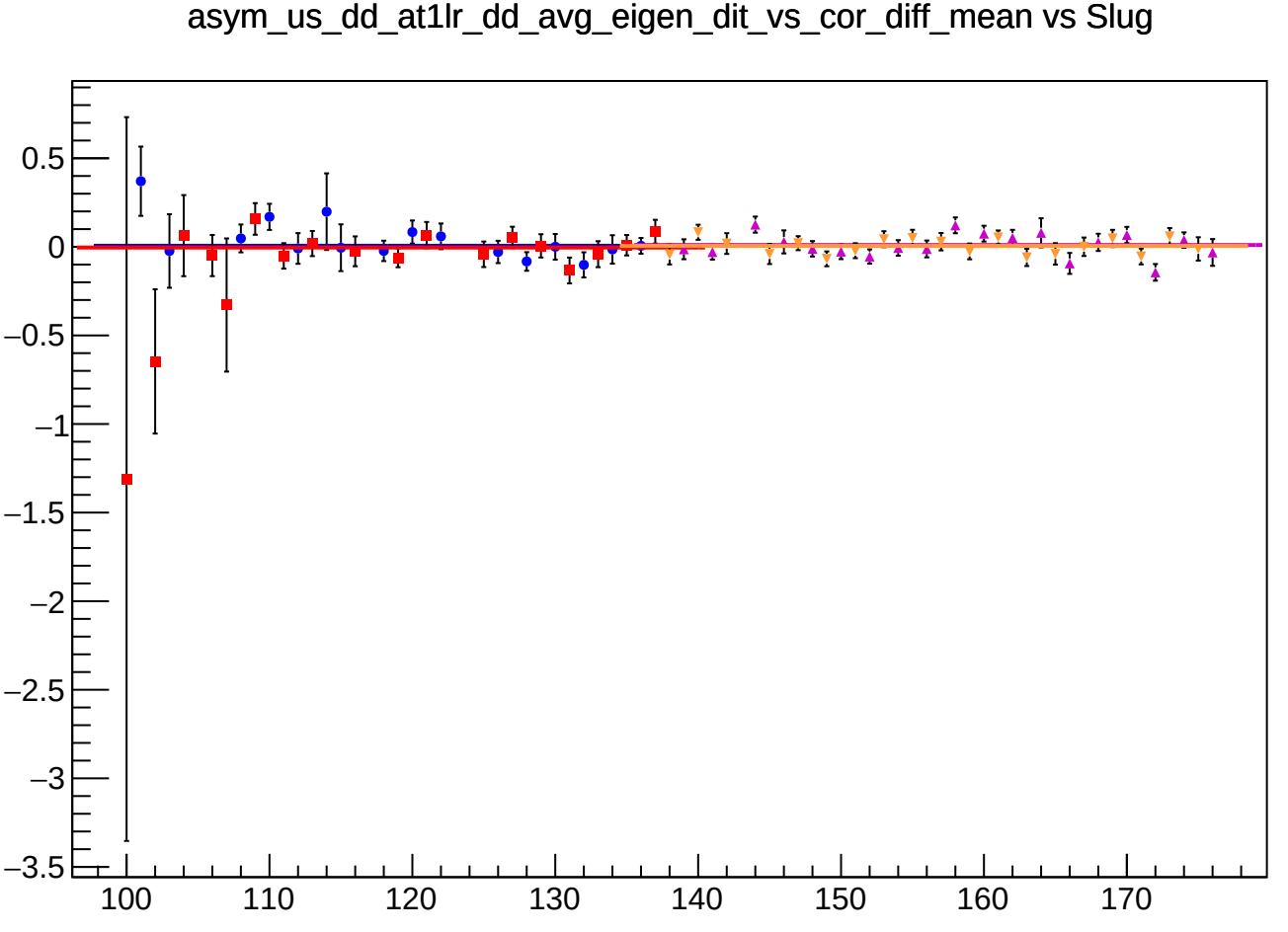
Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:9174275.3/18

+ sign 0.001+/-0.000 χ^2/NDF: 14840828.2/34

All: 0.001+/-0.000 χ^2/NDF: 29357989.3/71

- sign 0.001+/-0.000 χ^2/NDF: 14463594.1/36



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:18.4/18

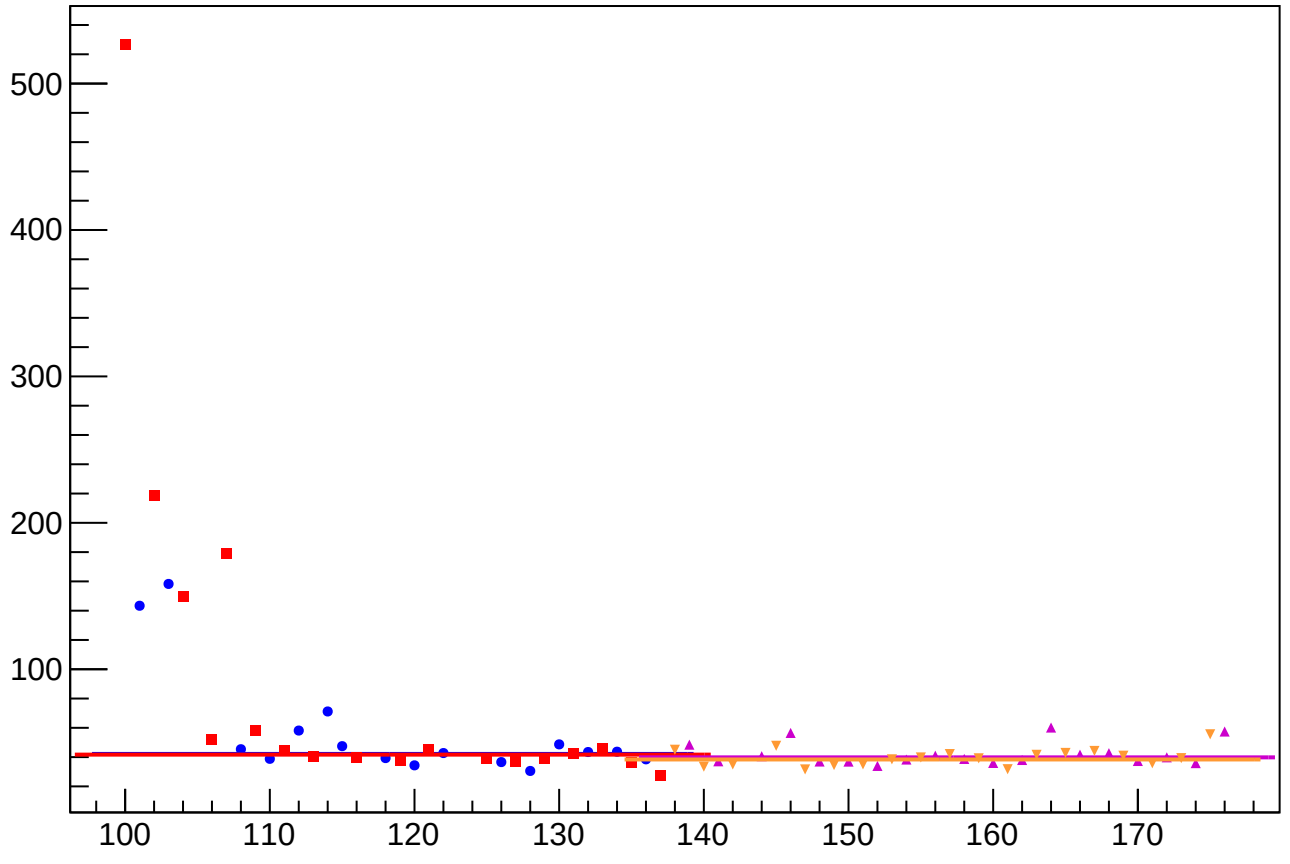
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.010+/-0.011 χ^2/NDF:37.4/18

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/34

All: 0.006+/-0.007 χ^2/NDF: 89.8/71

- sign 0.007+/-0.009 χ^2/NDF: 54.1/36



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 38.391+/-0.008 χ^2/NDF:469448.8/18

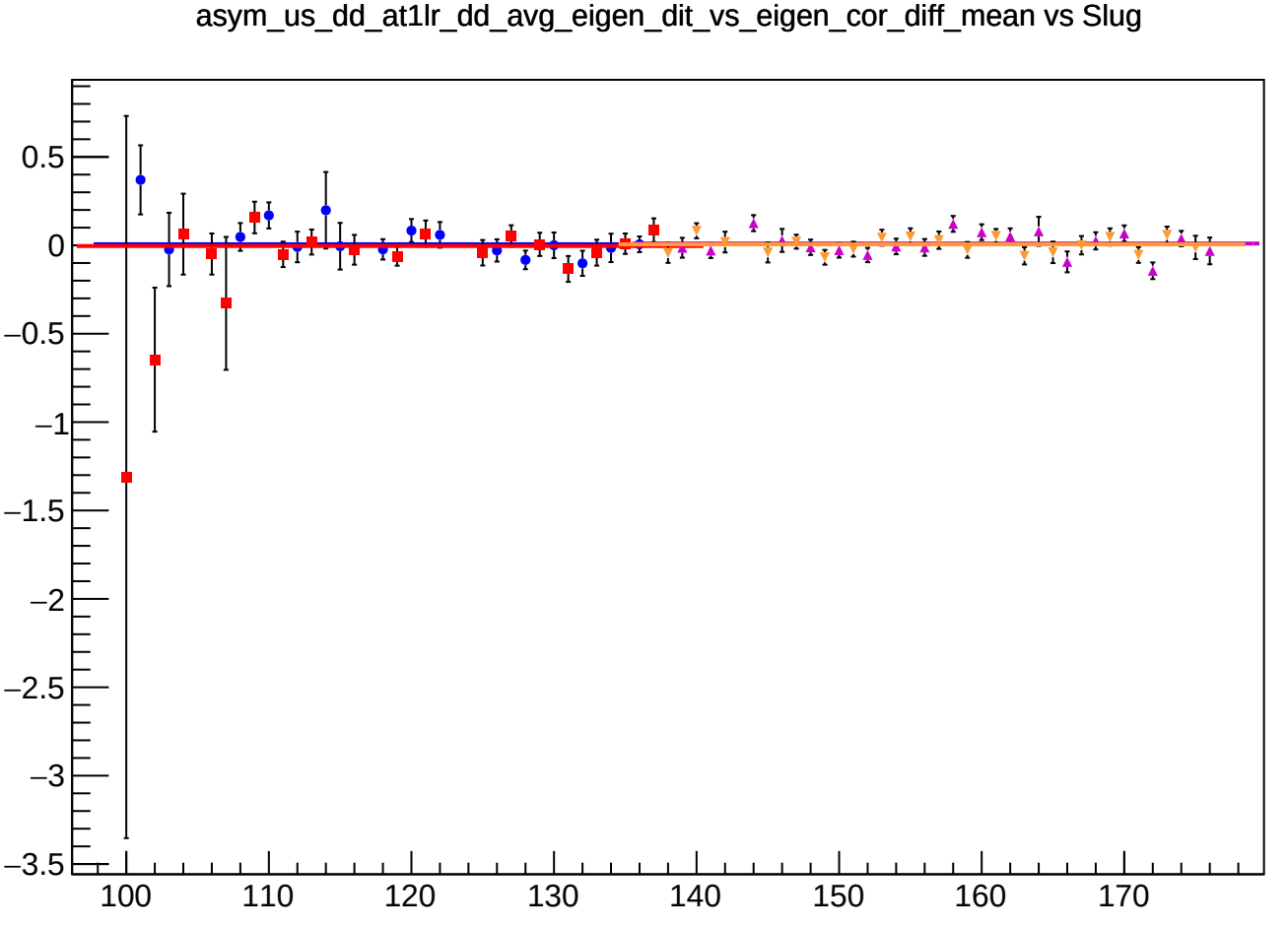
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.823+/-0.008 χ^2/NDF:533265.0/18

\+ sign 39.379+/-0.007 χ^2/NDF: 1987043.5/34

All: 39.838+/-0.005 χ^2/NDF: 3986220.7/71

\- sign 40.309+/-0.007 χ^2/NDF: 1989418.5/36



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:18.4/18

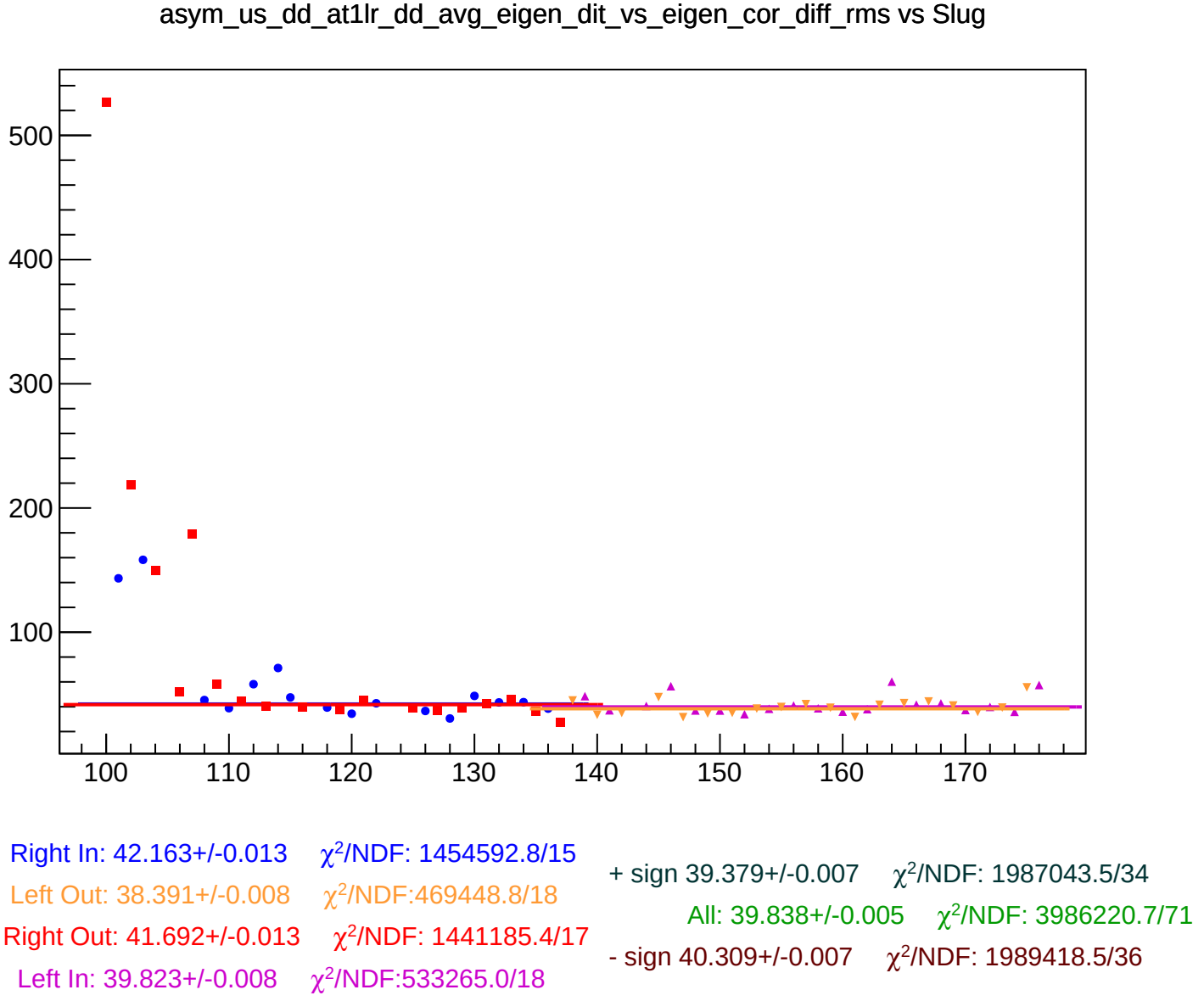
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

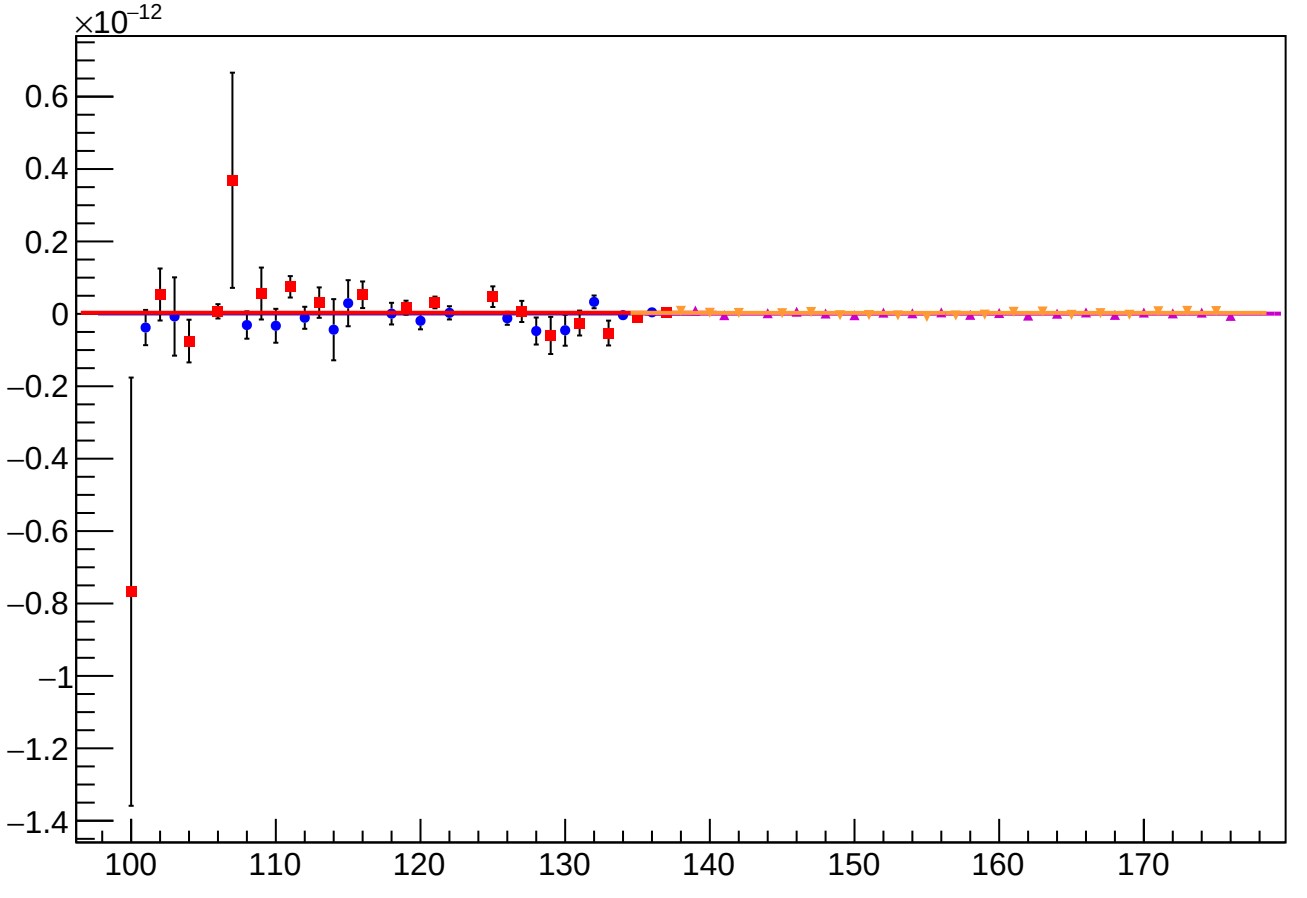
Left In: 0.010+/-0.011 χ^2/NDF:37.4/18

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/34

All: 0.006+/-0.007 χ^2/NDF: 89.8/71

- sign 0.007+/-0.009 χ^2/NDF: 54.1/36


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
160
170
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 38.391+/-0.008 χ²/NDF:469448.8/18
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 39.823+/-0.008 χ²/NDF:533265.0/18
+ sign 39.379+/-0.007 χ²/NDF: 1987043.5/34
All: 39.838+/-0.005 χ²/NDF: 3986220.7/71
- sign 40.309+/-0.007 χ²/NDF: 1989418.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.9/18

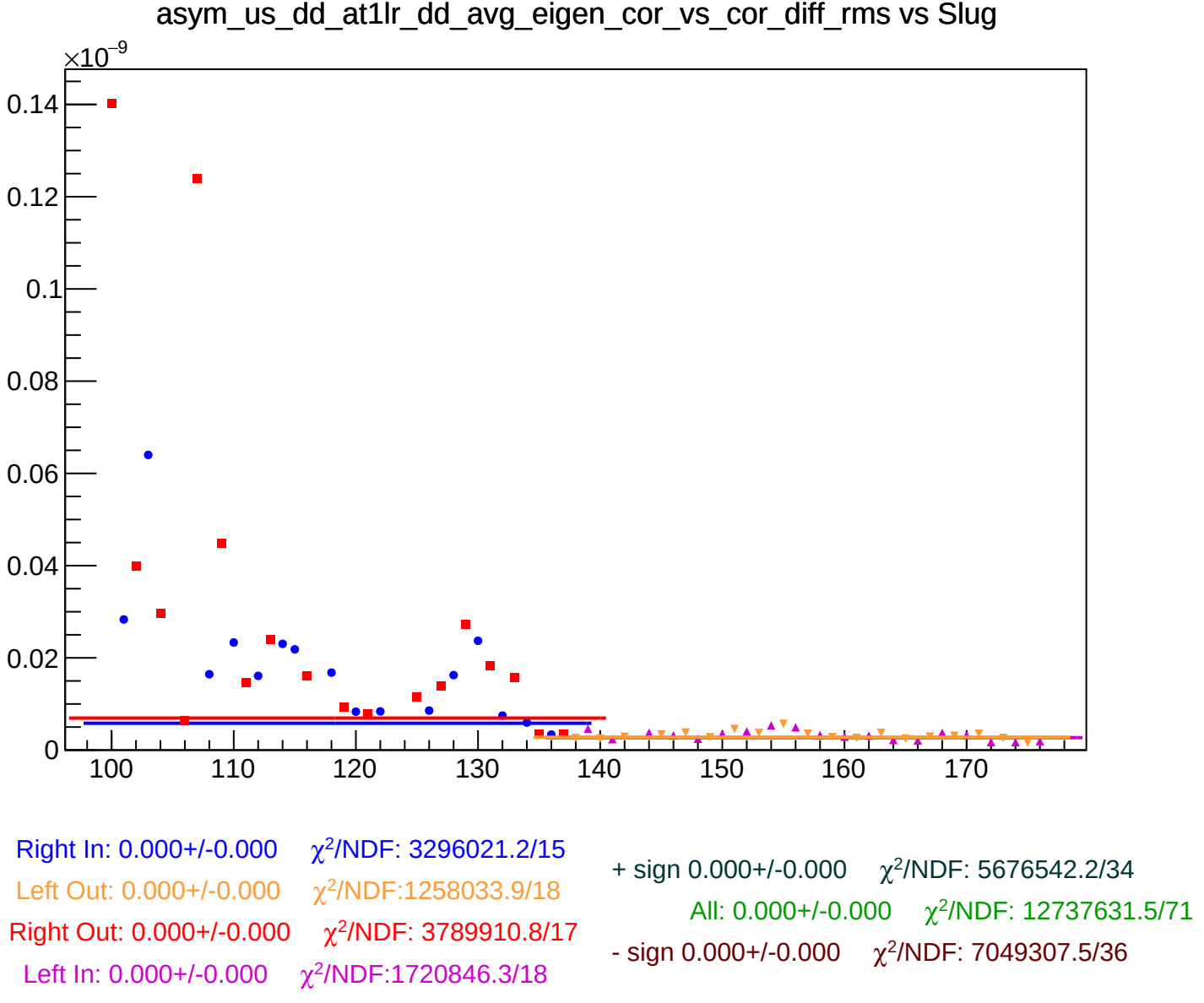
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:14.2/18

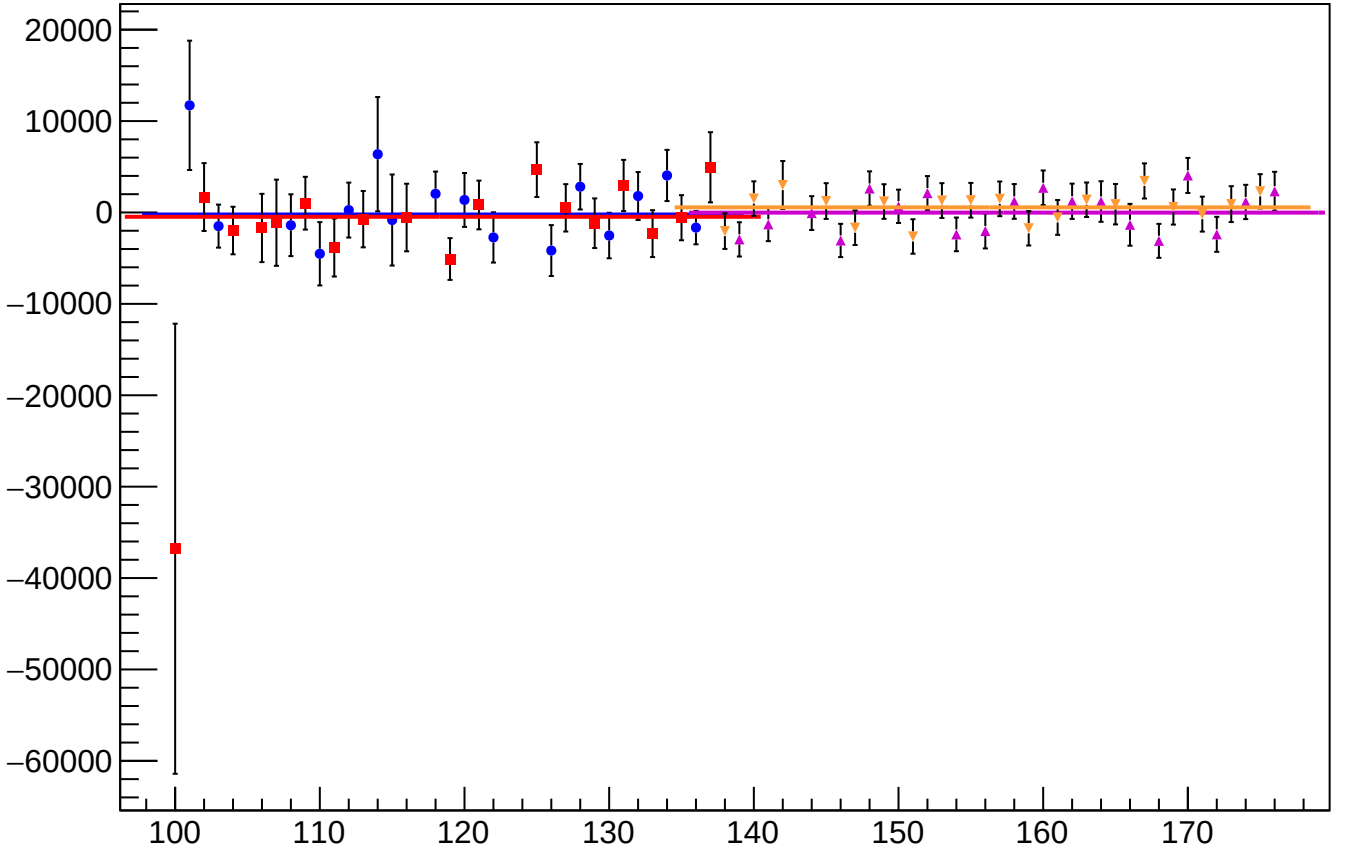
+ sign 0.000+/-0.000 χ^2/NDF: 32.6/34

All: 0.000+/-0.000 χ^2/NDF: 77.9/71

- sign 0.000+/-0.000 χ^2/NDF: 43.3/36


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1258033.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:1720846.3/18
+ sign 0.000+/-0.000 χ²/NDF: 5676542.2/34
All: 0.000+/-0.000 χ²/NDF: 12737631.5/71
- sign 0.000+/-0.000 χ²/NDF: 7049307.5/36

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 559.003+/-446.180 χ^2/NDF:13.3/18

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

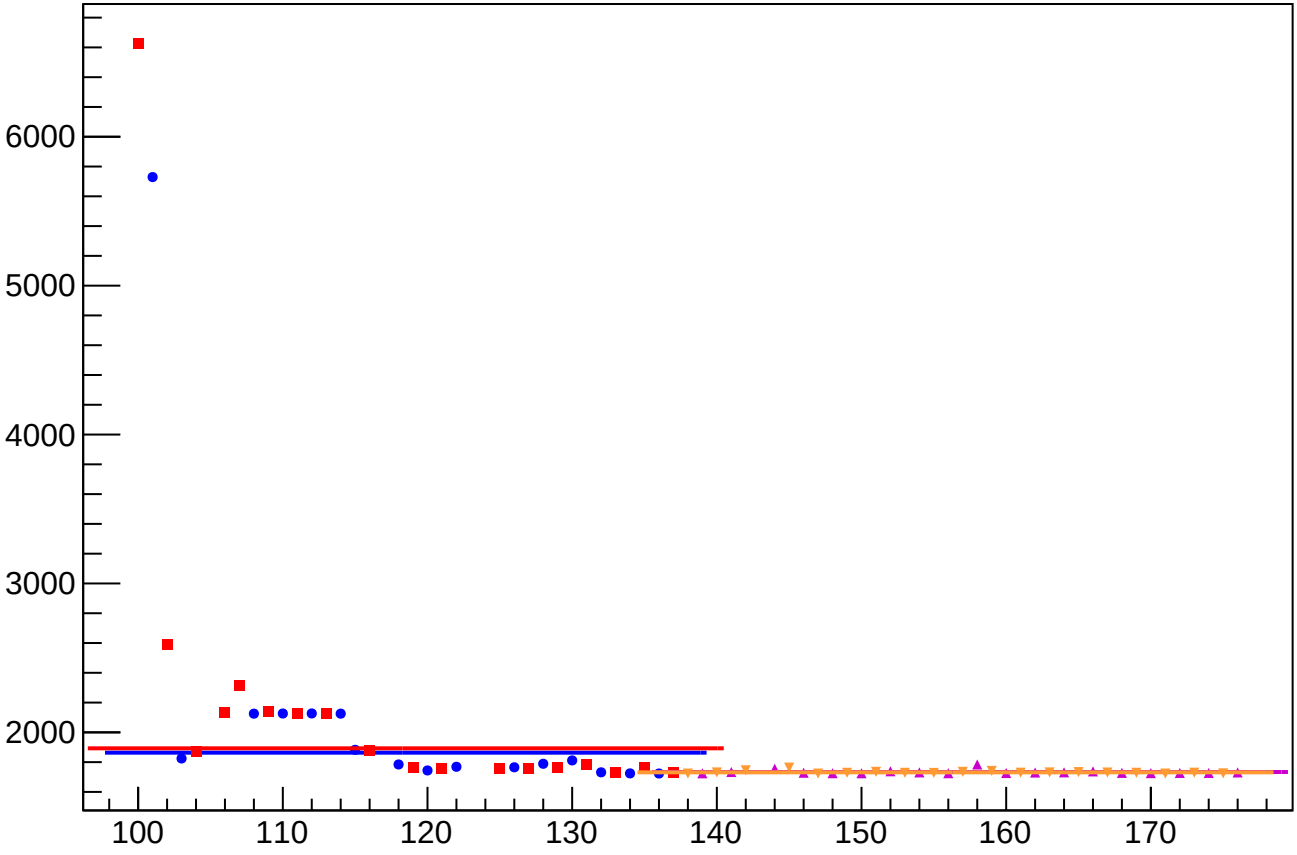
Left In: -17.605+/-439.779 χ^2/NDF:25.8/18

+ sign 337.236+/-377.650 χ^2/NDF: 30.0/34

All: 94.670+/-265.769 χ^2/NDF: 72.8/71

- sign -143.336+/-374.083 χ^2/NDF: 42.0/36

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.550+/-0.315 χ^2/NDF:811.8/18

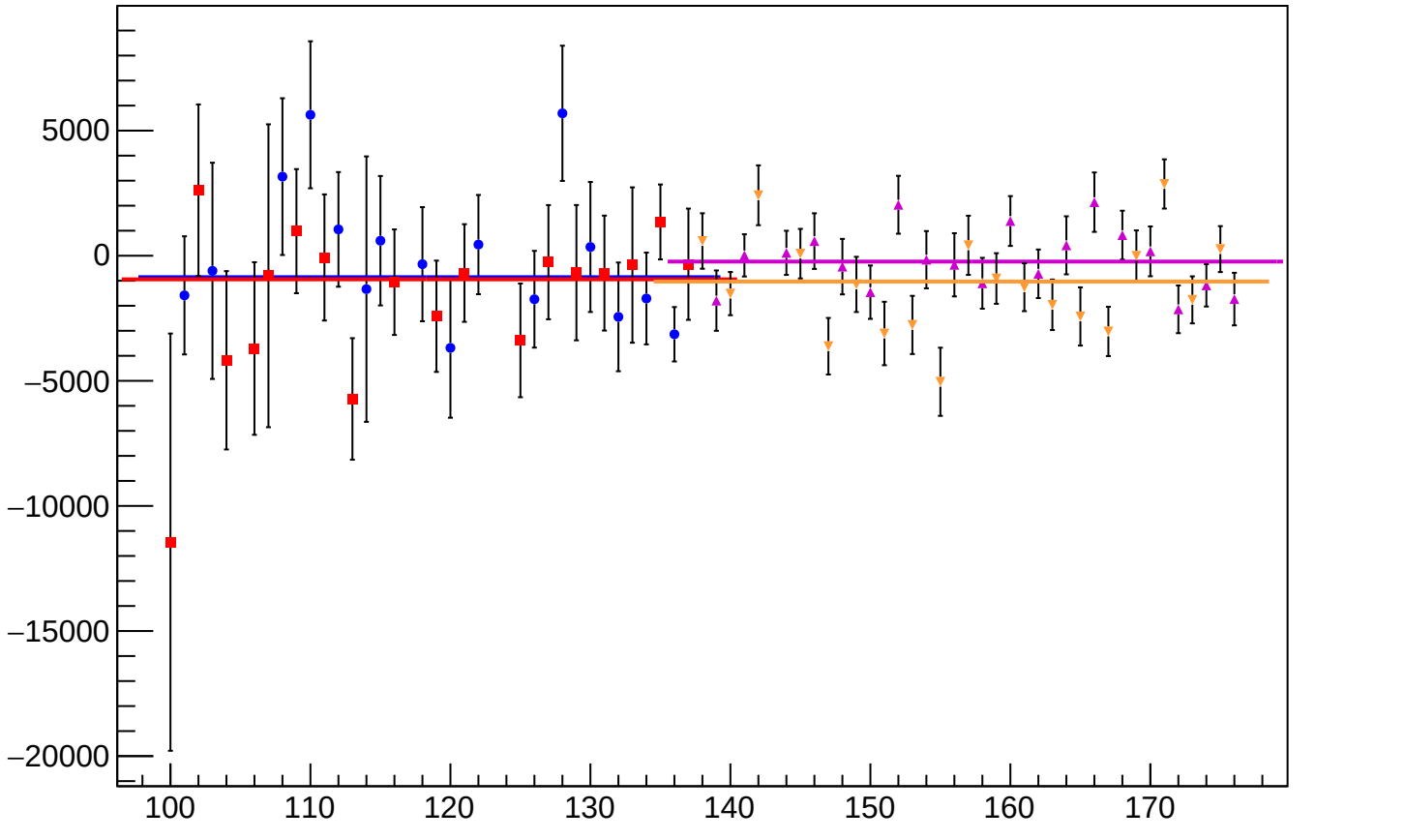
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.726+/-0.311 χ^2/NDF:2042.0/18

+ sign 1768.994+/-0.267 χ^2/NDF: 725143.3/34

All: 1773.398+/-0.188 χ^2/NDF: 1051636.8/71

- sign 1777.720+/-0.265 χ^2/NDF: 325954.5/36



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1031.423+/-240.872 χ^2/NDF:58.1/18

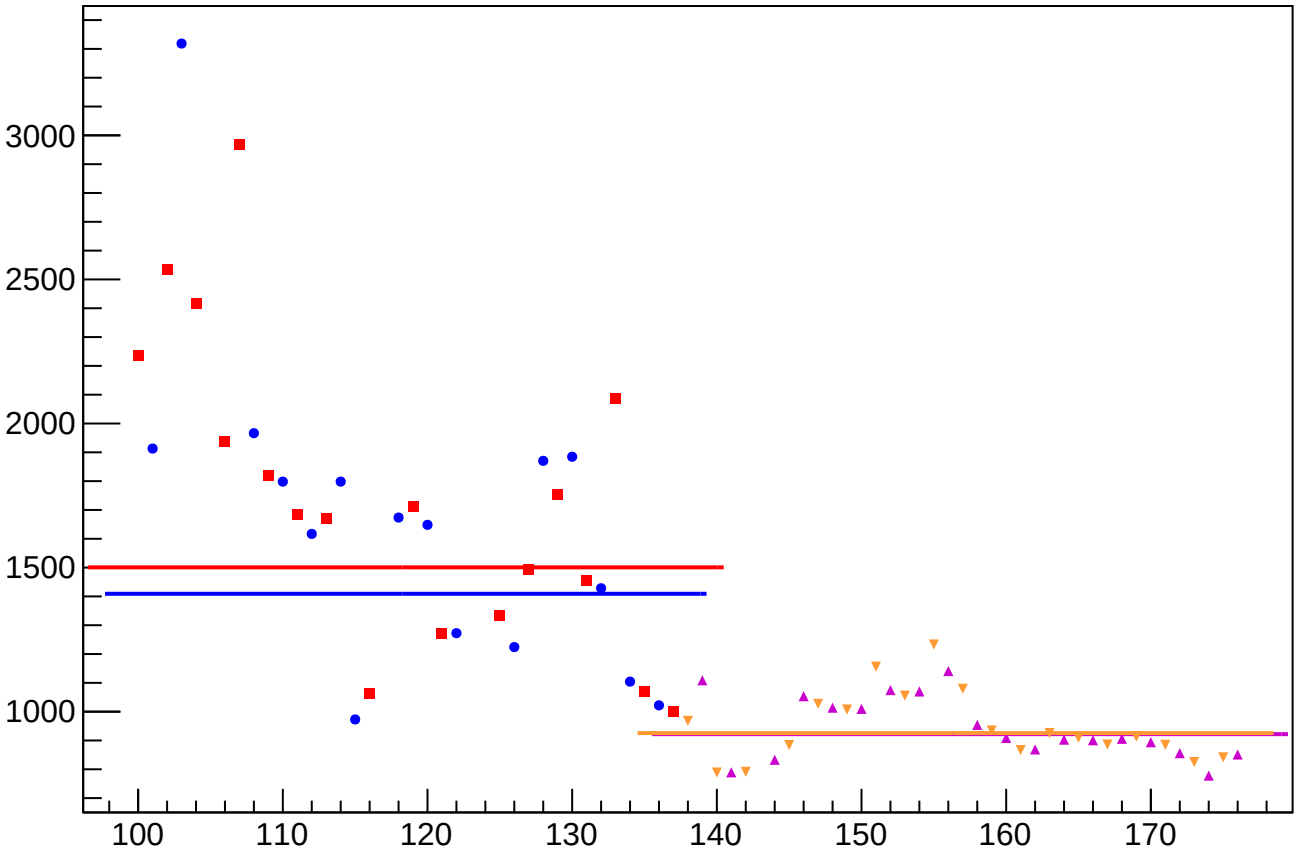
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -234.141+/-235.865 χ^2/NDF:24.3/18

\+ sign -1003.382+/-220.627 χ^2/NDF: 78.8/34

All: -665.654+/-155.321 χ^2/NDF: 121.9/71

\- sign -333.803+/-218.700 χ^2/NDF: 38.5/36



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 925.660+/-0.170 χ^2/NDF:390892.4/18

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

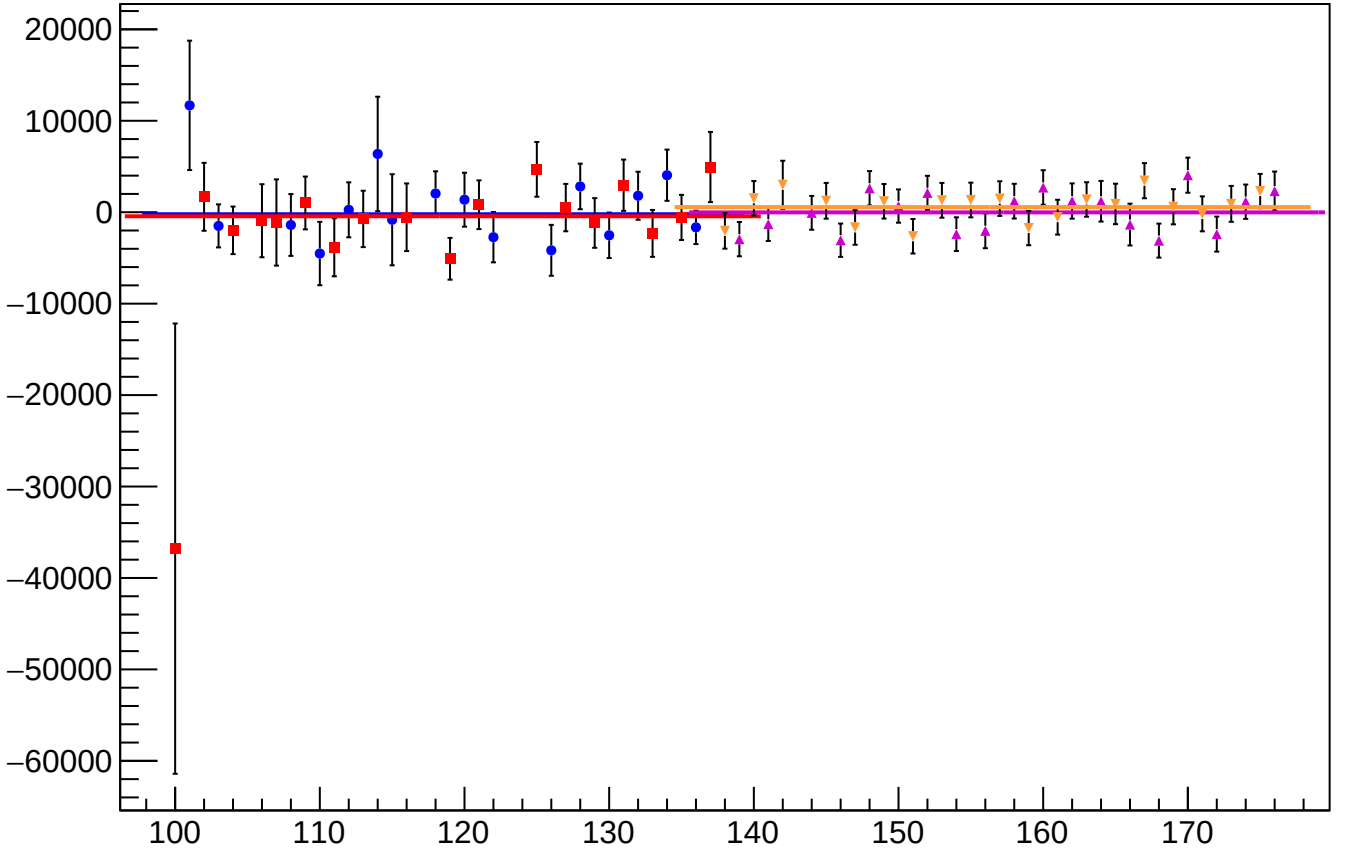
Left In: 922.002+/-0.167 χ^2/NDF:389795.3/18

+ sign 1003.511+/-0.156 χ^2/NDF: 2855942.5/34

All: 1003.344+/-0.110 χ^2/NDF: 5965697.2/71

- sign 1003.181+/-0.155 χ^2/NDF: 3109752.5/36

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 559.050+/-446.180 χ^2/NDF:13.3/18

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

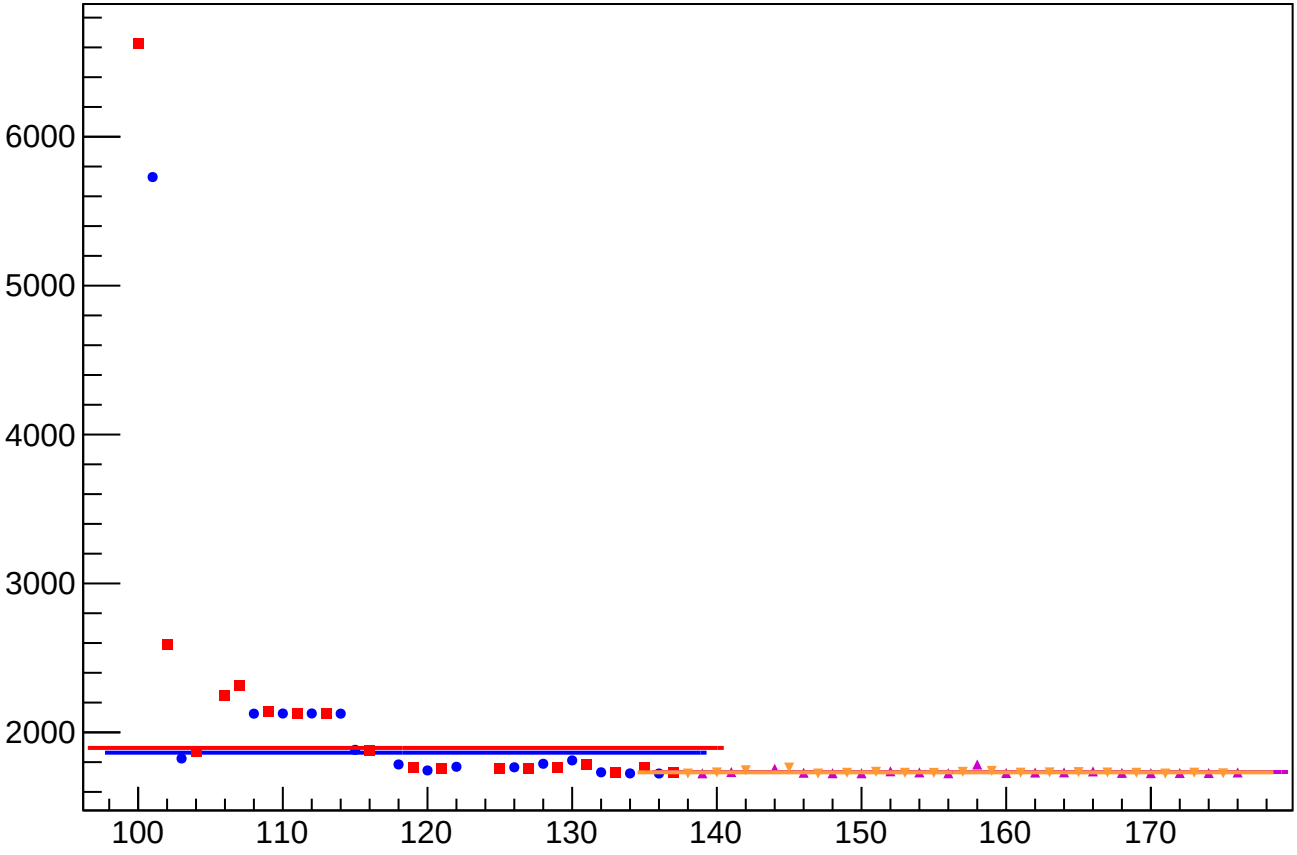
Left In: -17.644+/-439.779 χ^2/NDF:25.8/18

+ sign 337.049+/-377.650 χ^2/NDF: 30.0/34

All: 99.008+/-265.853 χ^2/NDF: 72.6/71

- sign -134.853+/-374.319 χ^2/NDF: 41.9/36

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.550+/-0.315 χ^2/NDF:811.8/18

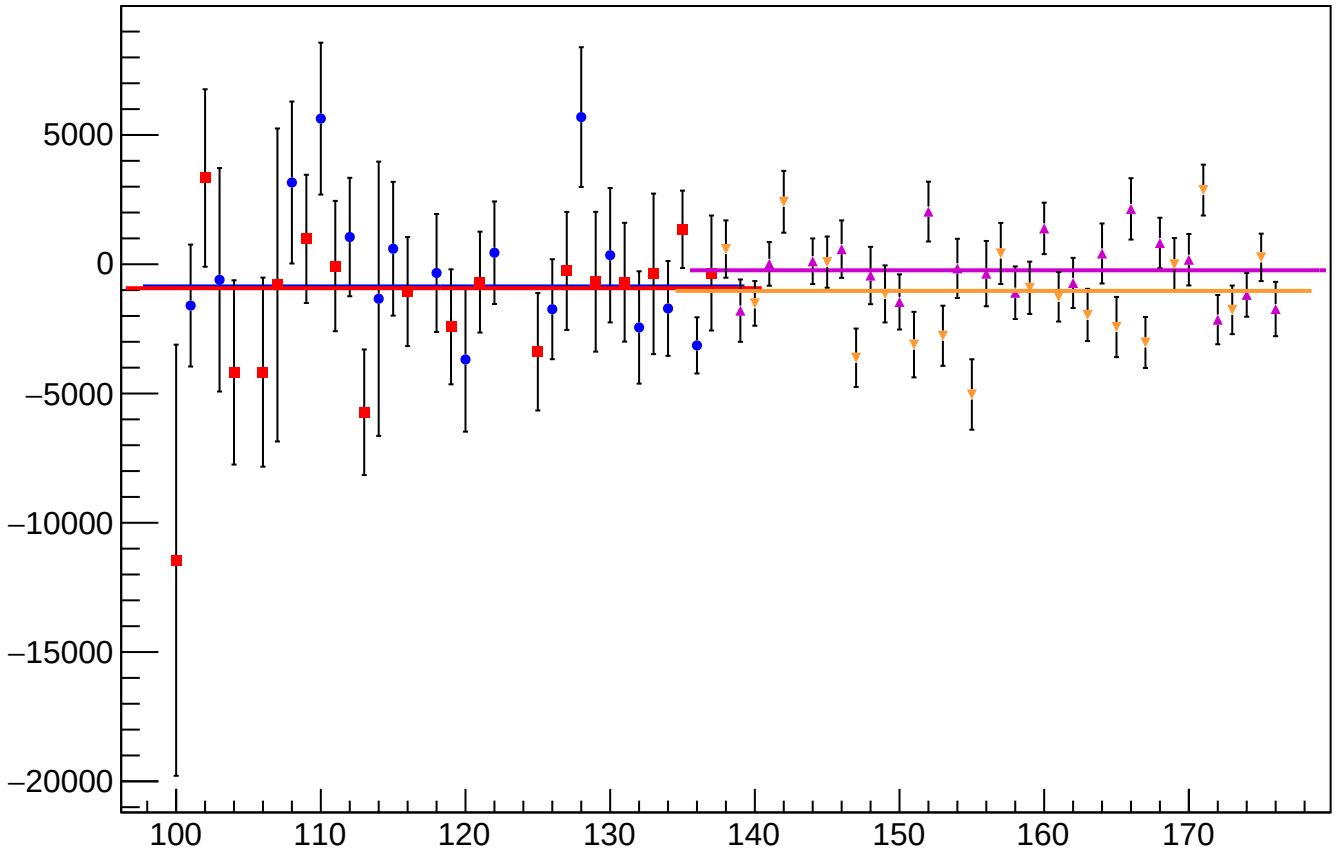
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.726+/-0.311 χ^2/NDF:2042.0/18

+ sign 1768.994+/-0.267 χ^2/NDF: 725143.1/34

All: 1773.688+/-0.188 χ^2/NDF: 1061531.2/71

- sign 1778.299+/-0.265 χ^2/NDF: 335775.6/36



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1031.439+/-240.872 χ^2/NDF:58.1/18

Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

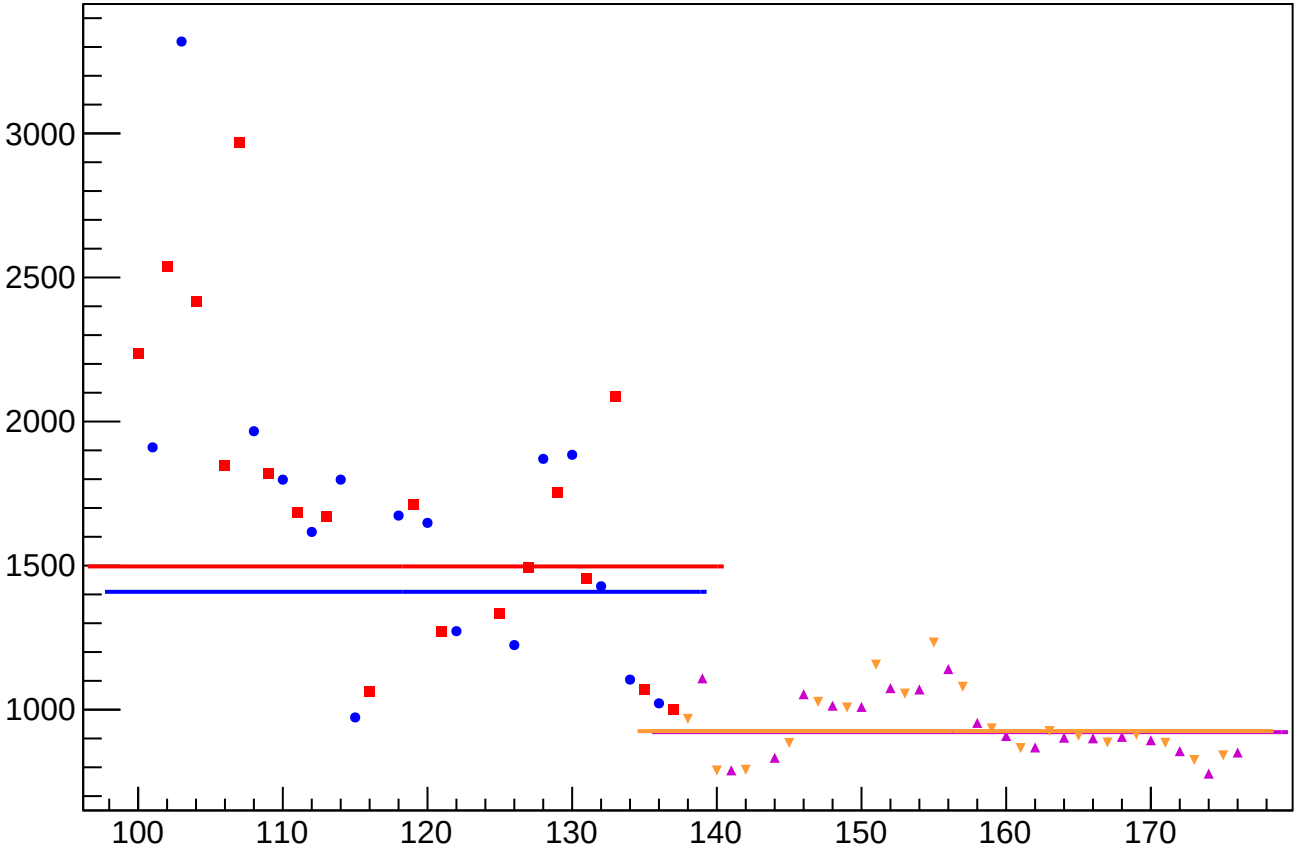
Left In: -234.139+/-235.863 χ^2/NDF:24.3/18

+ sign -1003.524+/-220.624 χ^2/NDF: 78.8/34

All: -664.429+/-155.337 χ^2/NDF: 122.5/71

- sign -331.080+/-218.747 χ^2/NDF: 39.0/36

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 925.658+/-0.170 χ^2/NDF:390879.4/18

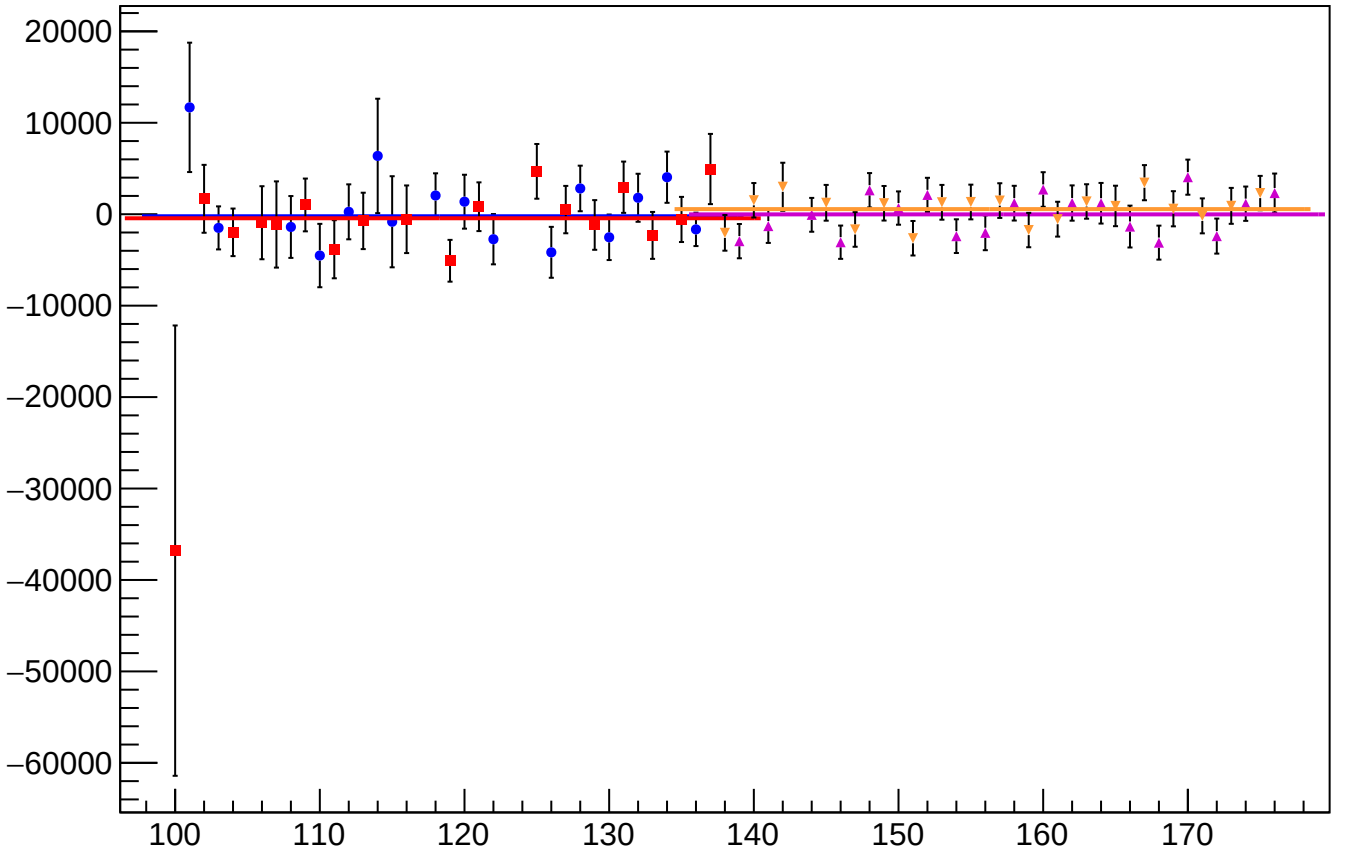
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 921.996+/-0.167 χ^2/NDF:389818.2/18

+ sign 1003.506+/-0.156 χ^2/NDF: 2855056.1/34

All: 1002.971+/-0.110 χ^2/NDF: 5926490.5/71

- sign 1002.446+/-0.155 χ^2/NDF: 3071411.0/36



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 559.050+/-446.180 χ^2/NDF:13.3/18

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

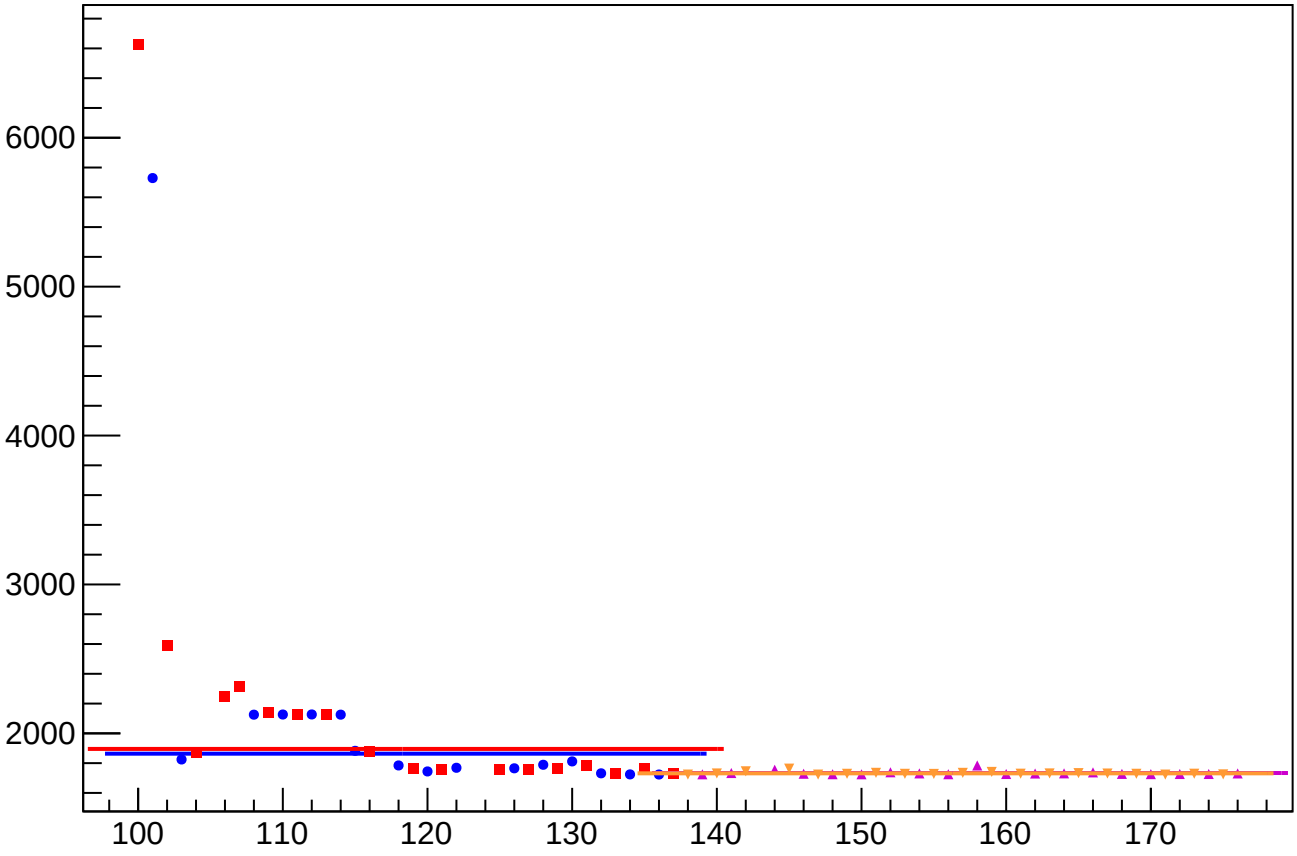
Left In: -17.644+/-439.779 χ^2/NDF:25.8/18

+ sign 337.049+/-377.650 χ^2/NDF: 30.0/34

All: 99.008+/-265.853 χ^2/NDF: 72.6/71

- sign -134.853+/-374.319 χ^2/NDF: 41.9/36

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: 1731.550+/-0.315 χ^2/NDF:811.8/18

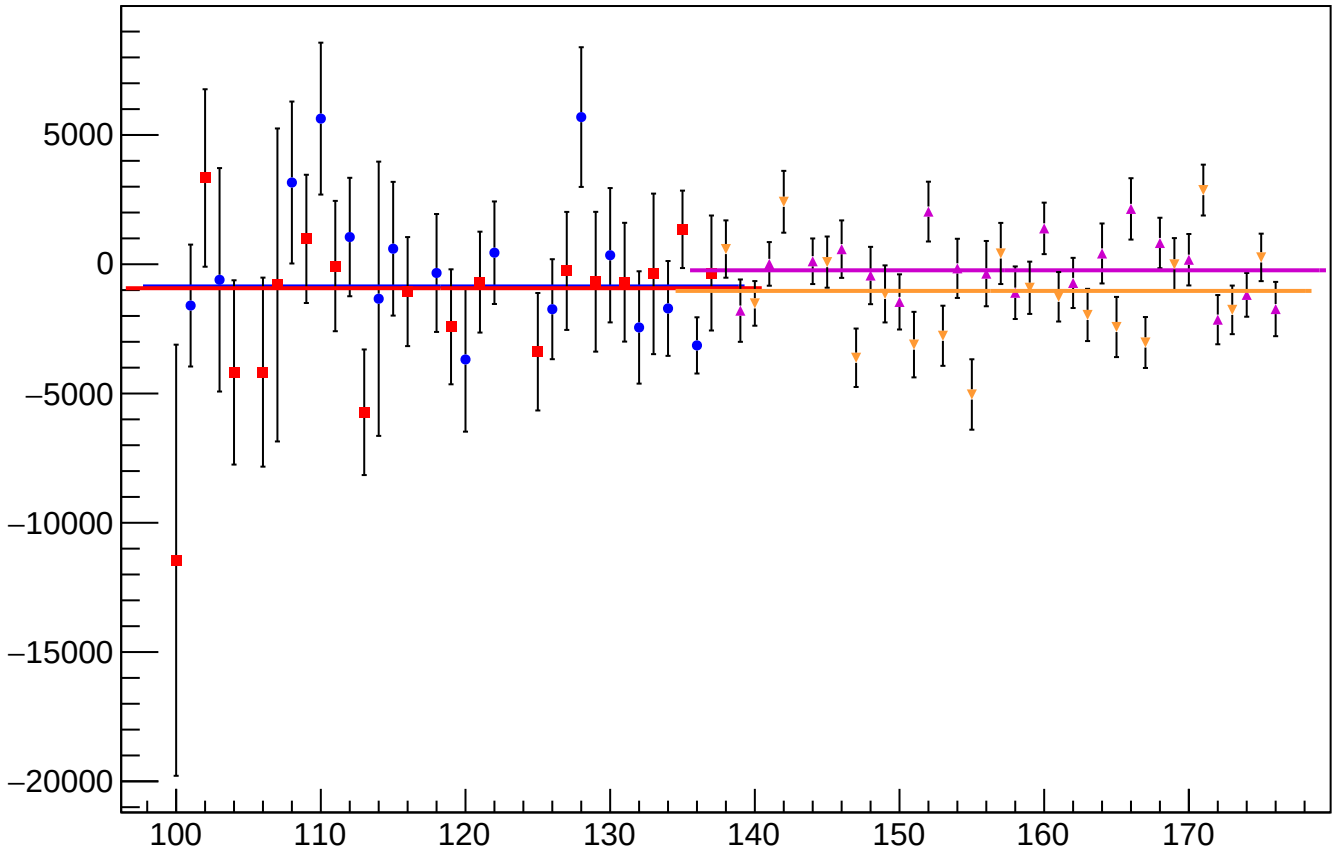
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.726+/-0.311 χ^2/NDF:2042.0/18

+ sign 1768.994+/-0.267 χ^2/NDF: 725143.1/34

All: 1773.688+/-0.188 χ^2/NDF: 1061531.2/71

- sign 1778.299+/-0.265 χ^2/NDF: 335775.6/36



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1031.439+/-240.872 χ^2/NDF:58.1/18

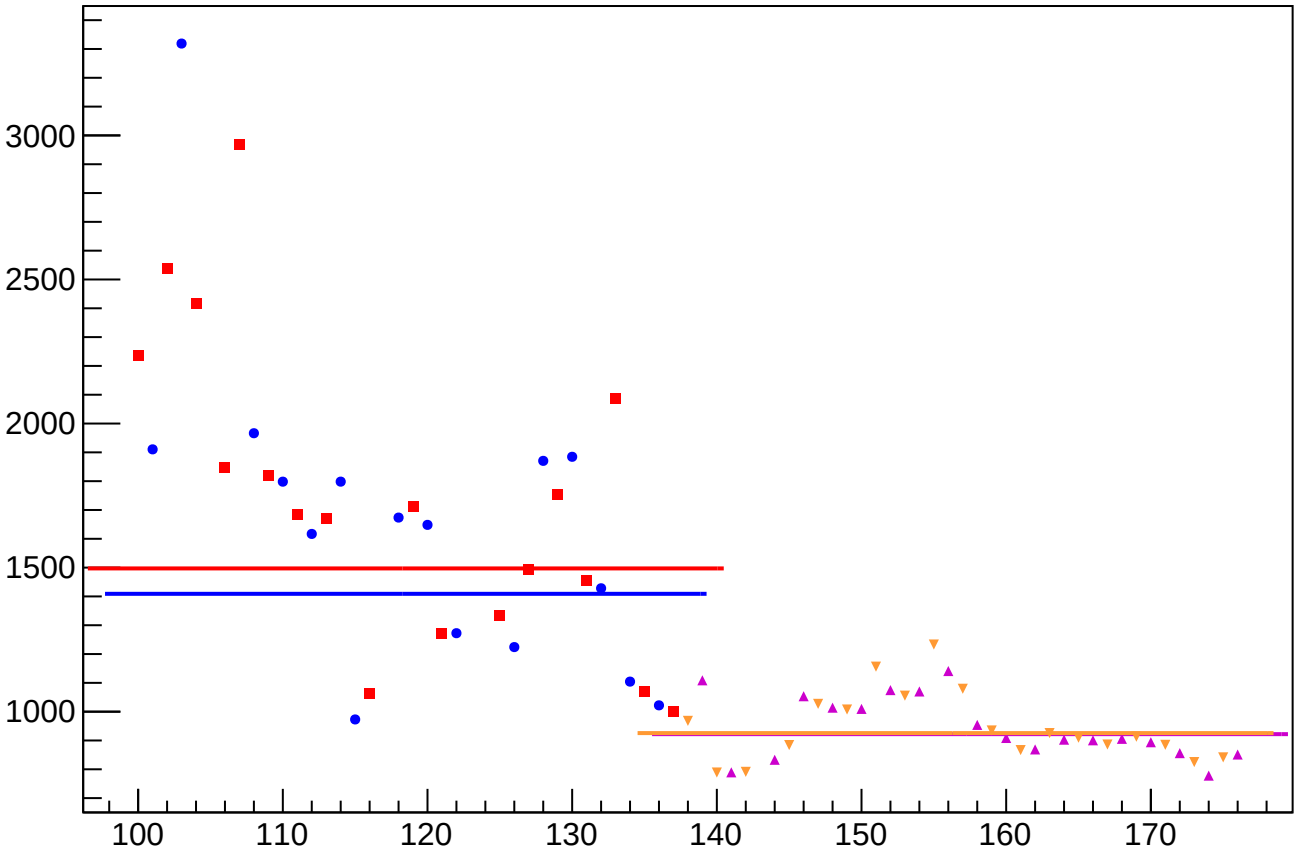
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -234.139+/-235.863 χ^2/NDF:24.3/18

+ sign -1003.524+/-220.624 χ^2/NDF: 78.8/34

All: -664.429+/-155.337 χ^2/NDF: 122.5/71

- sign -331.080+/-218.747 χ^2/NDF: 39.0/36



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 925.658+/-0.170 χ^2/NDF:390879.4/18

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

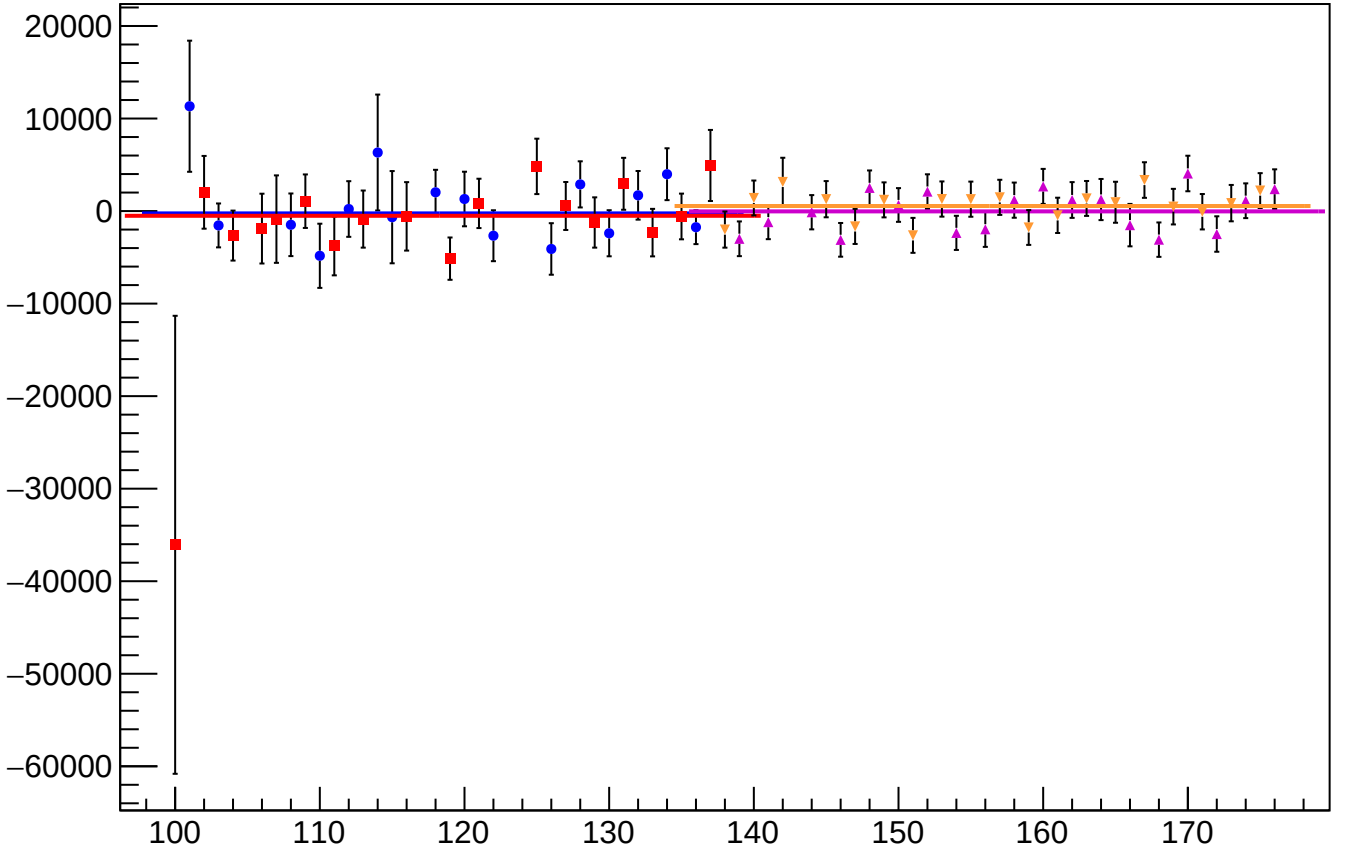
Left In: 921.996+/-0.167 χ^2/NDF:389818.2/18

+ sign 1003.506+/-0.156 χ^2/NDF: 2855056.1/34

All: 1002.971+/-0.110 χ^2/NDF: 5926490.5/71

- sign 1002.446+/-0.155 χ^2/NDF: 3071411.0/36

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 546.792+/-446.426 χ^2/NDF:13.0/18

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

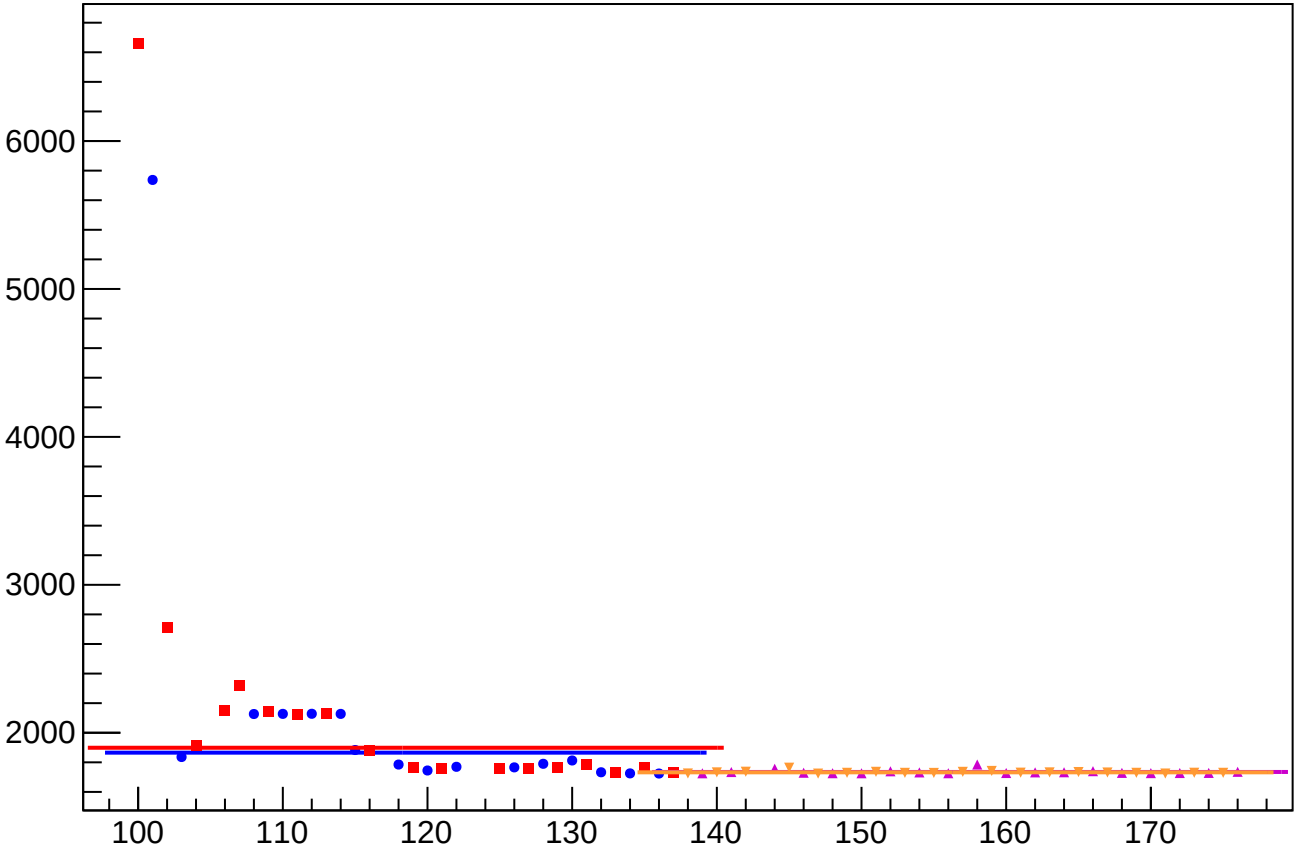
Left In: -34.975+/-440.072 χ^2/NDF:25.8/18

+ sign 320.448+/-377.923 χ^2/NDF: 29.5/34

All: 75.533+/-266.134 χ^2/NDF: 72.8/71

- sign -165.400+/-374.838 χ^2/NDF: 42.5/36

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.473+/-0.316 χ^2/NDF:731.1/18

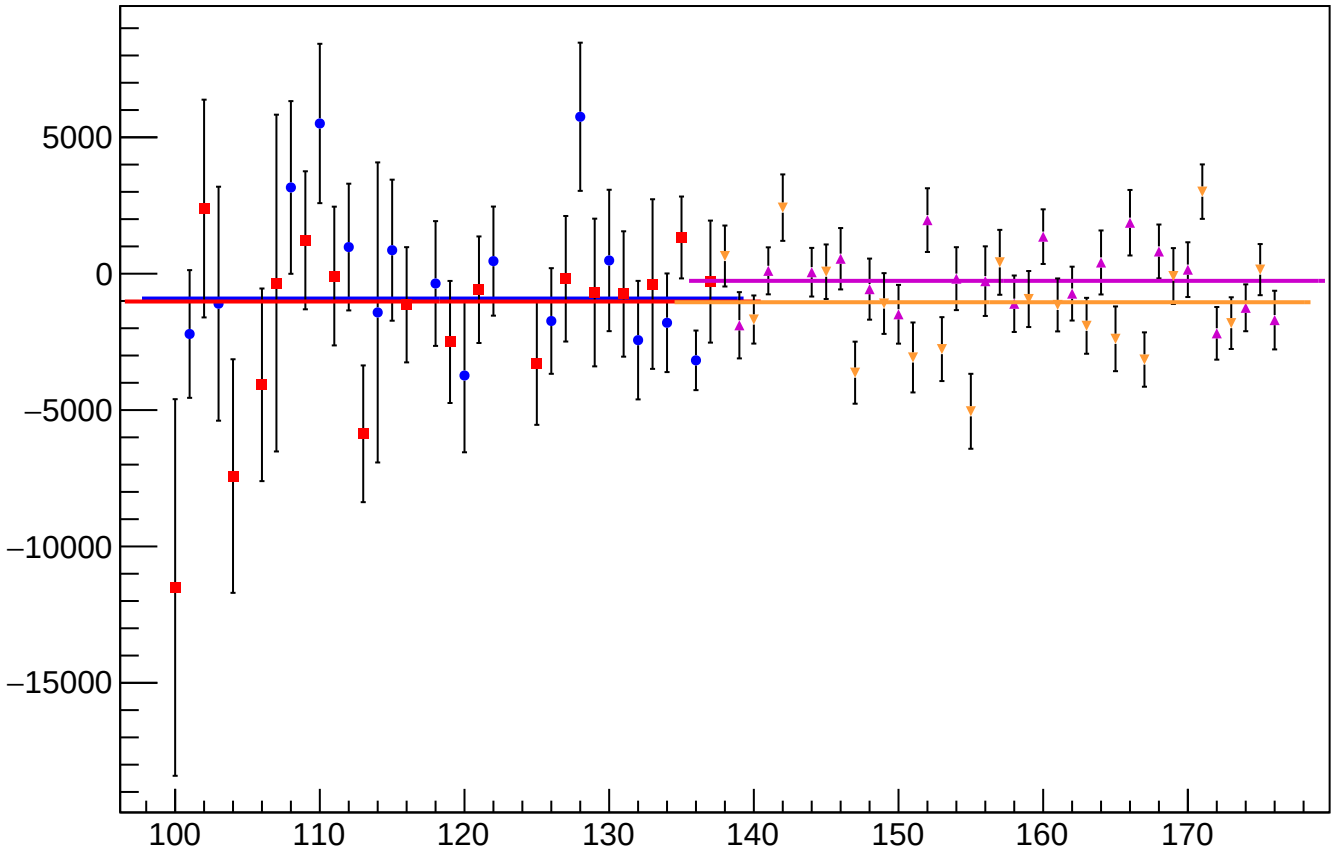
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.882+/-0.311 χ^2/NDF:2033.2/18

+ sign 1770.149+/-0.267 χ^2/NDF: 725994.4/34

All: 1775.026+/-0.188 χ^2/NDF: 1073783.5/71

- sign 1779.823+/-0.265 χ^2/NDF: 347128.5/36



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1046.157+/-243.999 χ^2/NDF:58.1/18

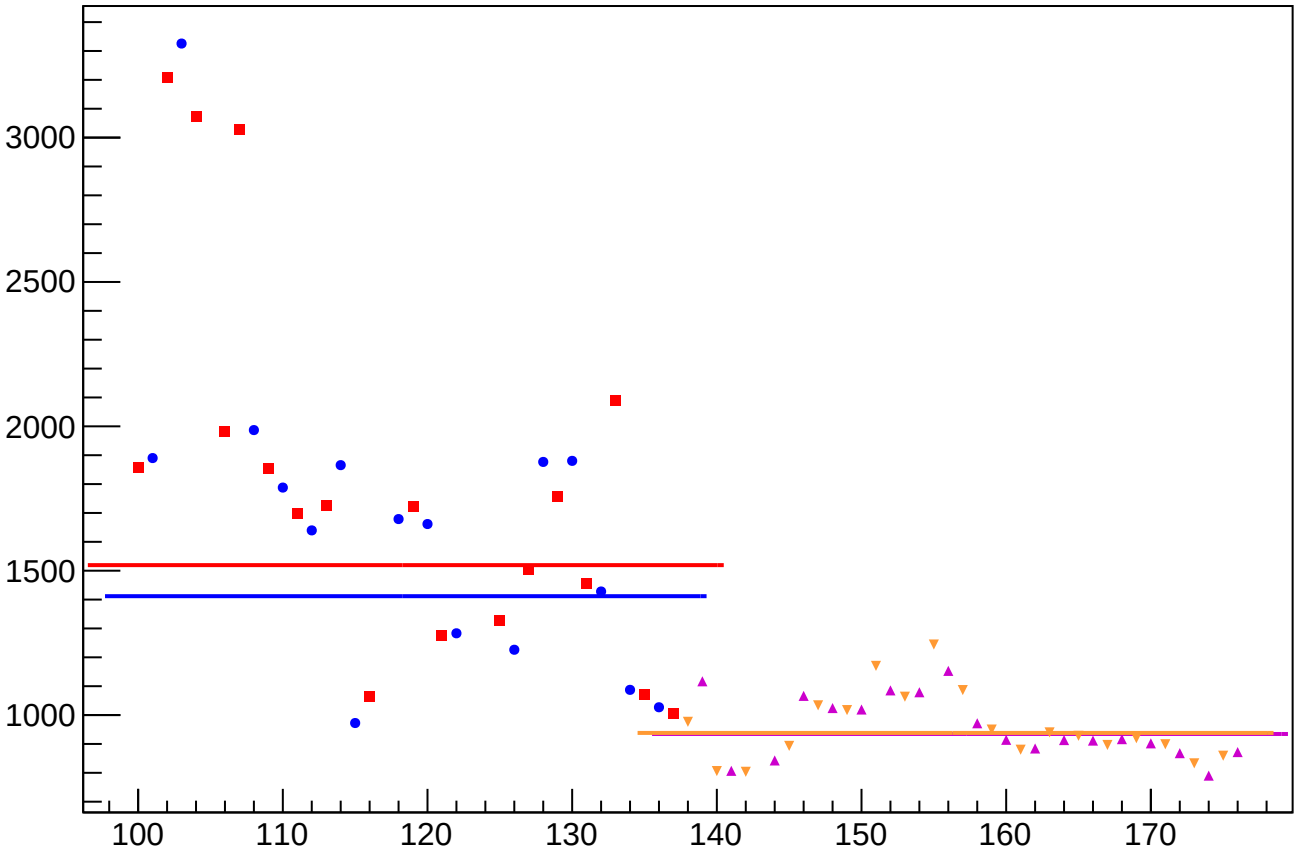
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -262.391+/-238.934 χ^2/NDF:23.0/18

+ sign -1023.980+/-223.092 χ^2/NDF: 79.1/34

All: -694.041+/-157.201 χ^2/NDF: 122.8/71

- sign -368.656+/-221.547 χ^2/NDF: 39.4/36



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 938.190+/-0.173 χ^2/NDF:372483.1/18

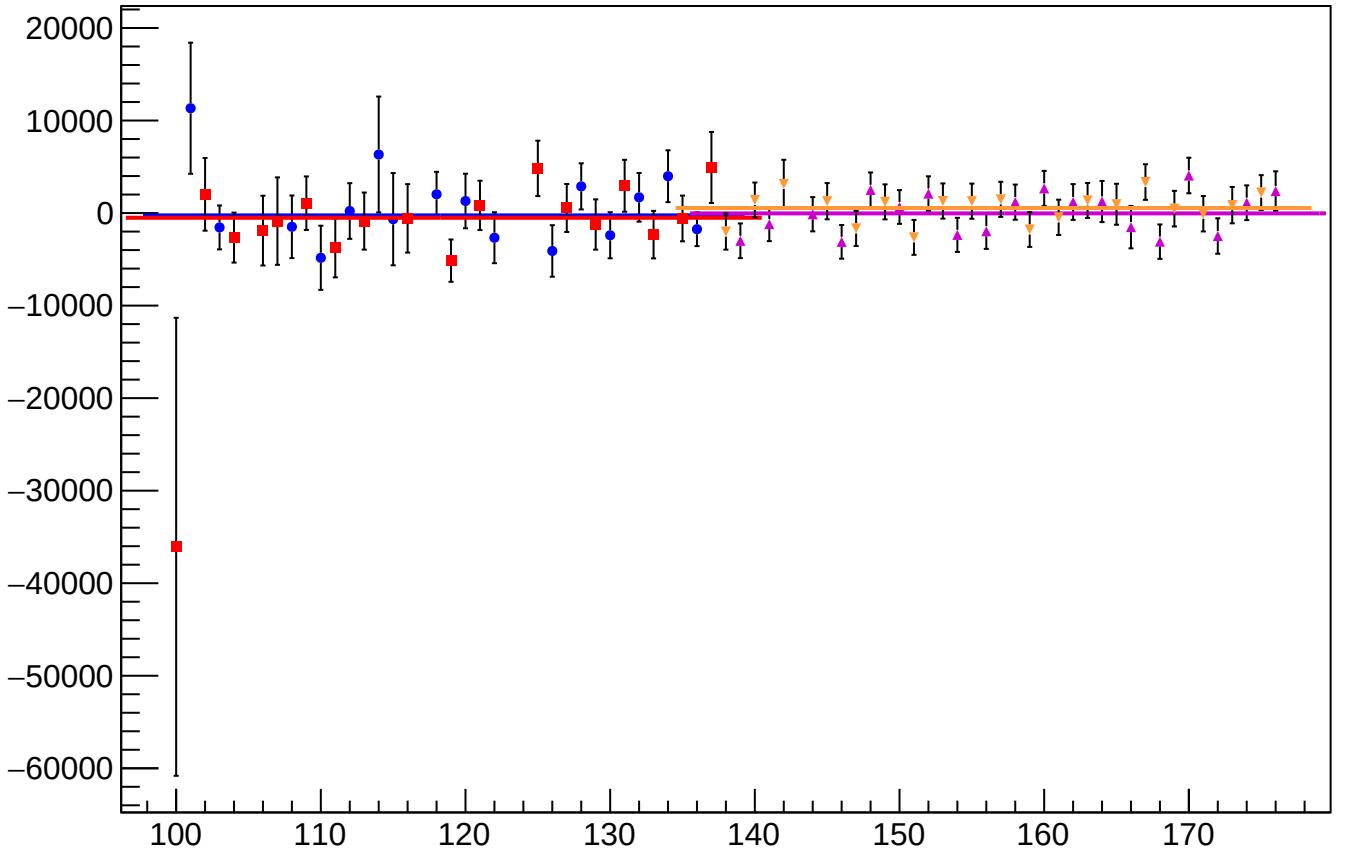
Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 934.494+/-0.169 χ^2/NDF:371673.0/18

\+ sign 1015.867+/-0.158 χ^2/NDF: 2785956.3/34

All: 1016.190+/-0.111 χ^2/NDF: 6198060.0/71

\- sign 1016.509+/-0.157 χ^2/NDF: 3412095.3/36



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 546.792+/-446.426 χ^2/NDF:13.0/18

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

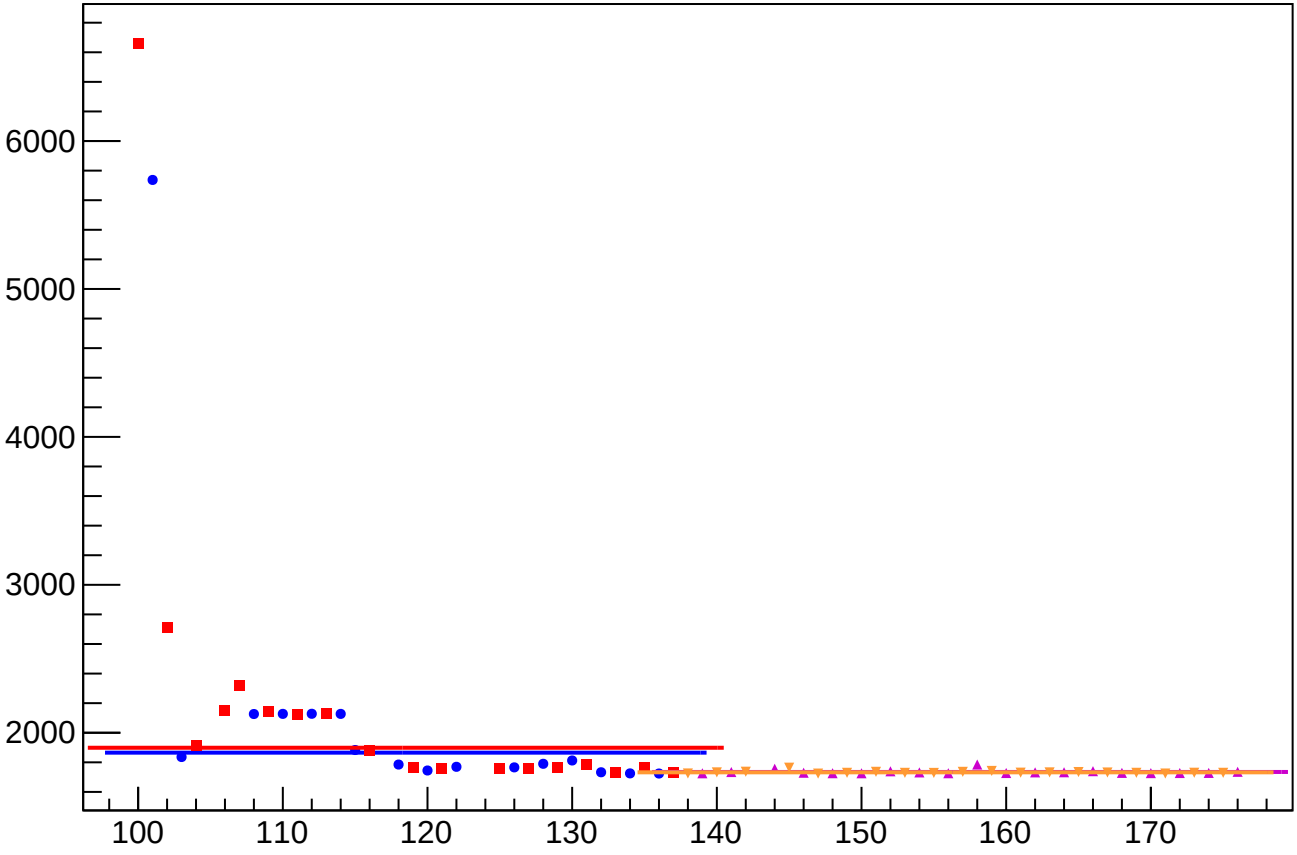
Left In: -34.975+/-440.072 χ^2/NDF:25.8/18

+ sign 320.448+/-377.923 χ^2/NDF: 29.5/34

All: 75.533+/-266.134 χ^2/NDF: 72.8/71

- sign -165.400+/-374.838 χ^2/NDF: 42.5/36

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: 1732.473+/-0.316 χ^2/NDF:731.1/18

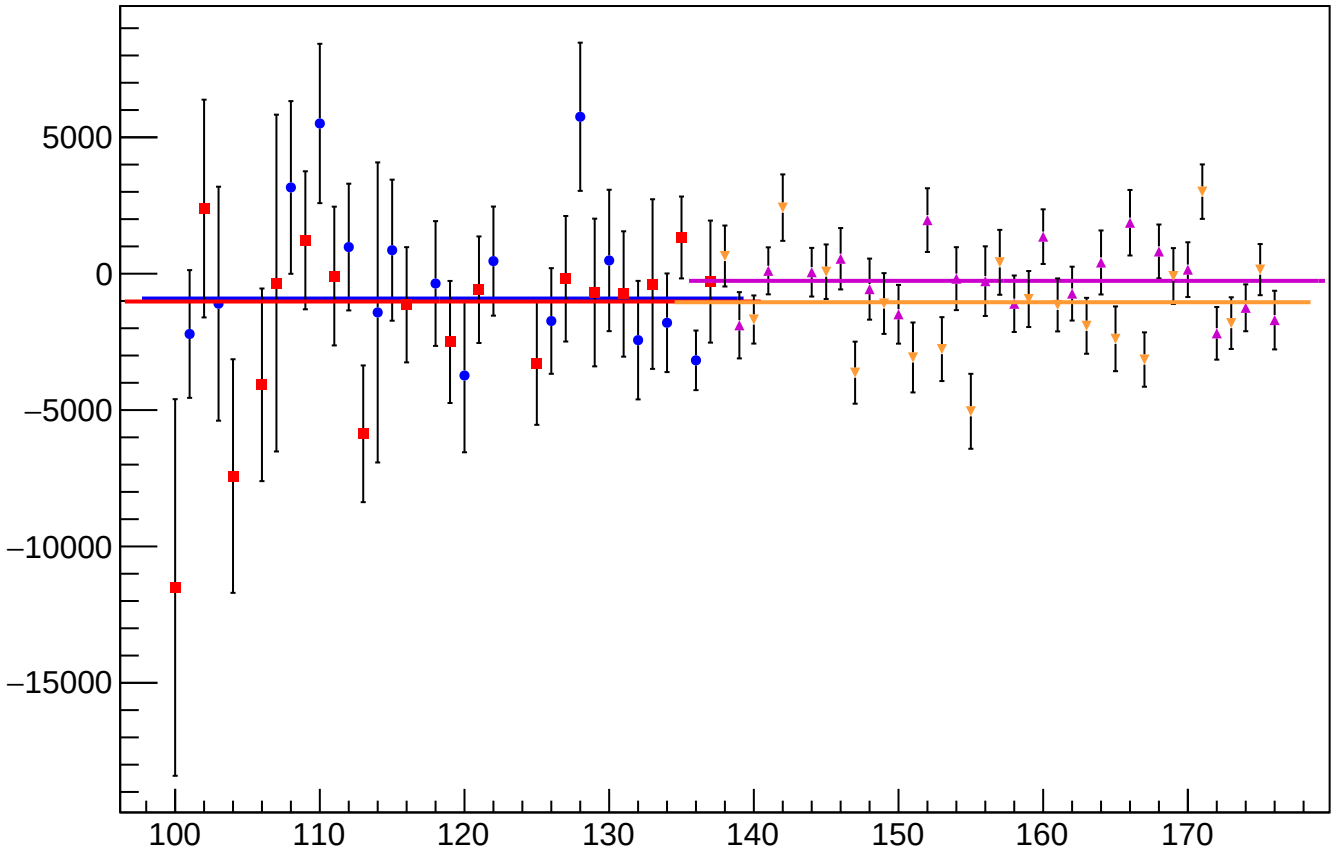
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.882+/-0.311 χ^2/NDF:2033.2/18

+ sign 1770.149+/-0.267 χ^2/NDF: 725994.4/34

All: 1775.026+/-0.188 χ^2/NDF: 1073783.2/71

- sign 1779.823+/-0.265 χ^2/NDF: 347128.2/36



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1046.156+/-243.999 χ^2/NDF:58.1/18

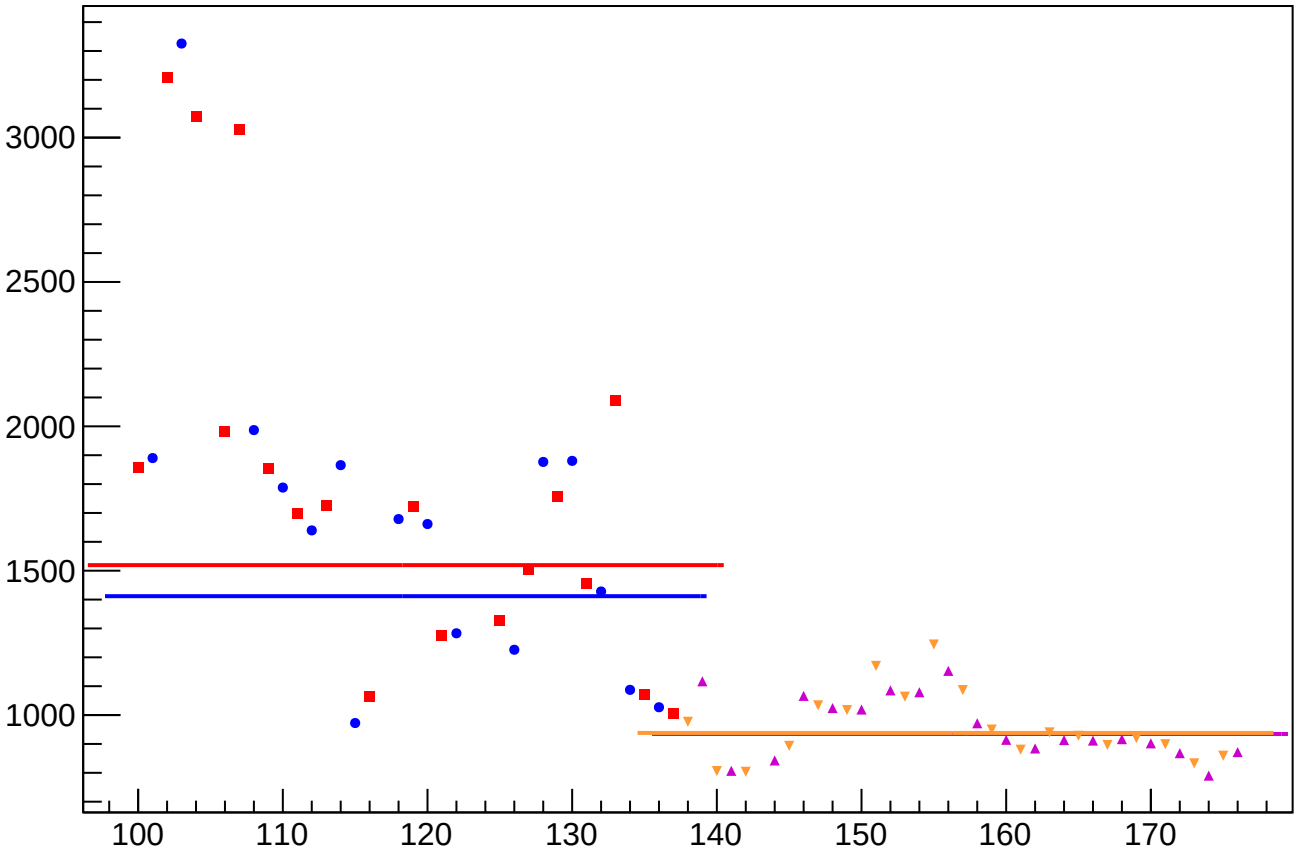
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -262.389+/-238.934 χ^2/NDF:23.0/18

+ sign -1023.978+/-223.092 χ^2/NDF: 79.1/34

All: -694.040+/-157.201 χ^2/NDF: 122.8/71

- sign -368.655+/-221.547 χ^2/NDF: 39.4/36



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 938.189+/-0.173 χ^2/NDF:372491.5/18

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

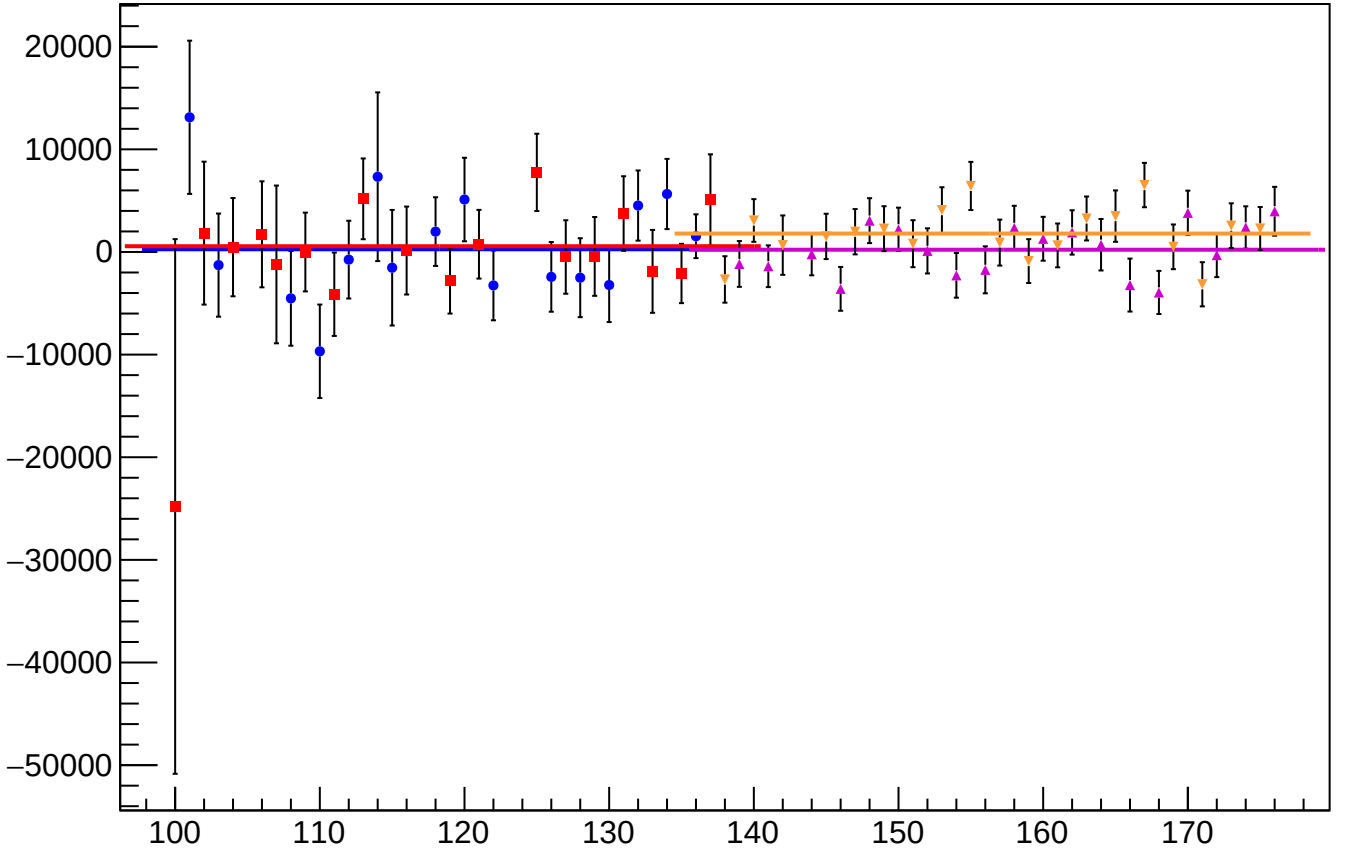
Left In: 934.494+/-0.169 χ^2/NDF:371681.3/18

+ sign 1015.867+/-0.158 χ^2/NDF: 2785954.6/34

All: 1016.190+/-0.111 χ^2/NDF: 6198061.2/71

- sign 1016.509+/-0.157 χ^2/NDF: 3412098.3/36

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1793.313+/-510.780 χ^2/NDF:23.2/18

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

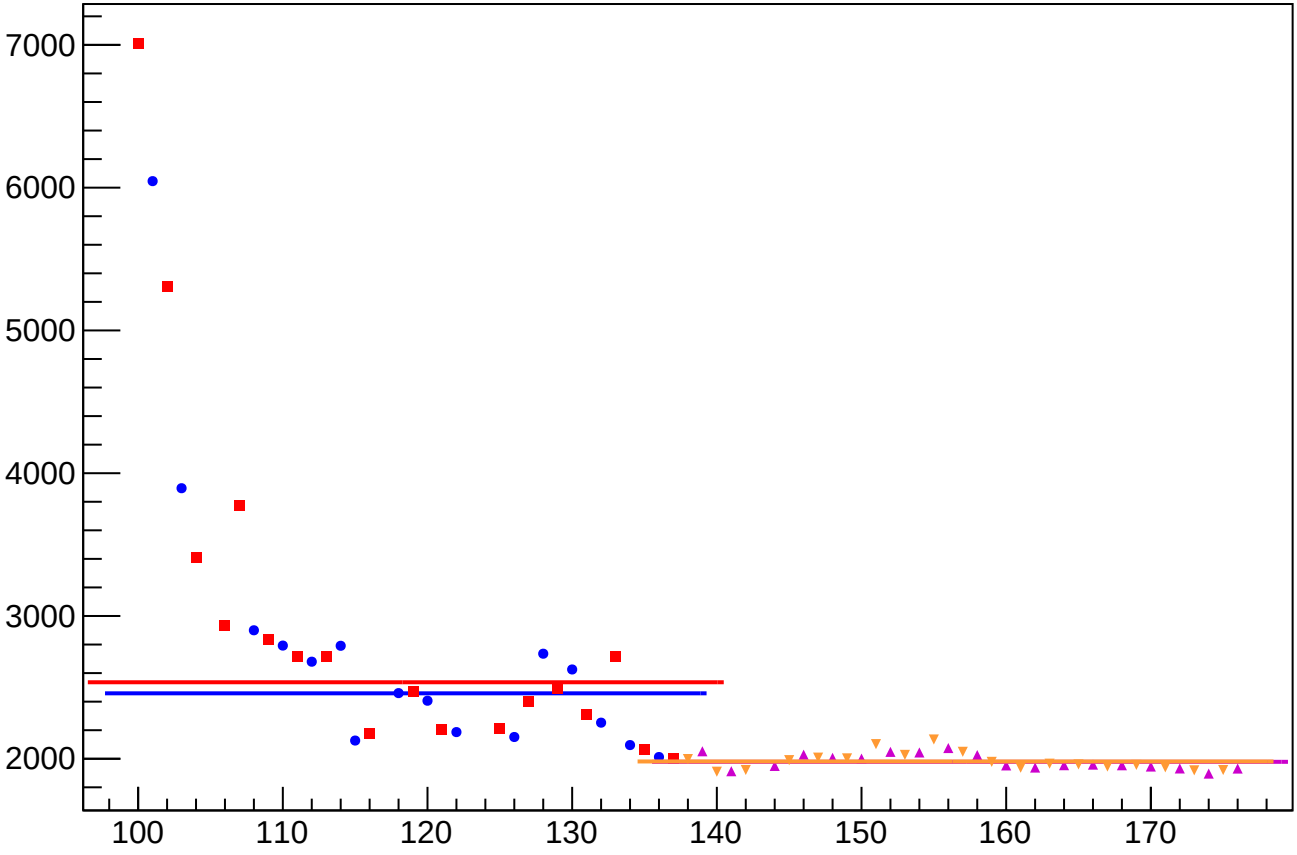
Left In: 219.486+/-502.099 χ^2/NDF:22.8/18

\+ sign 1445.913+/-449.017 χ^2/NDF: 44.2/34

All: 864.289+/-316.149 χ^2/NDF: 82.2/71

\- sign 292.481+/-445.211 χ^2/NDF: 34.7/36

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1981.053+/-0.361 χ^2/NDF:26643.0/18

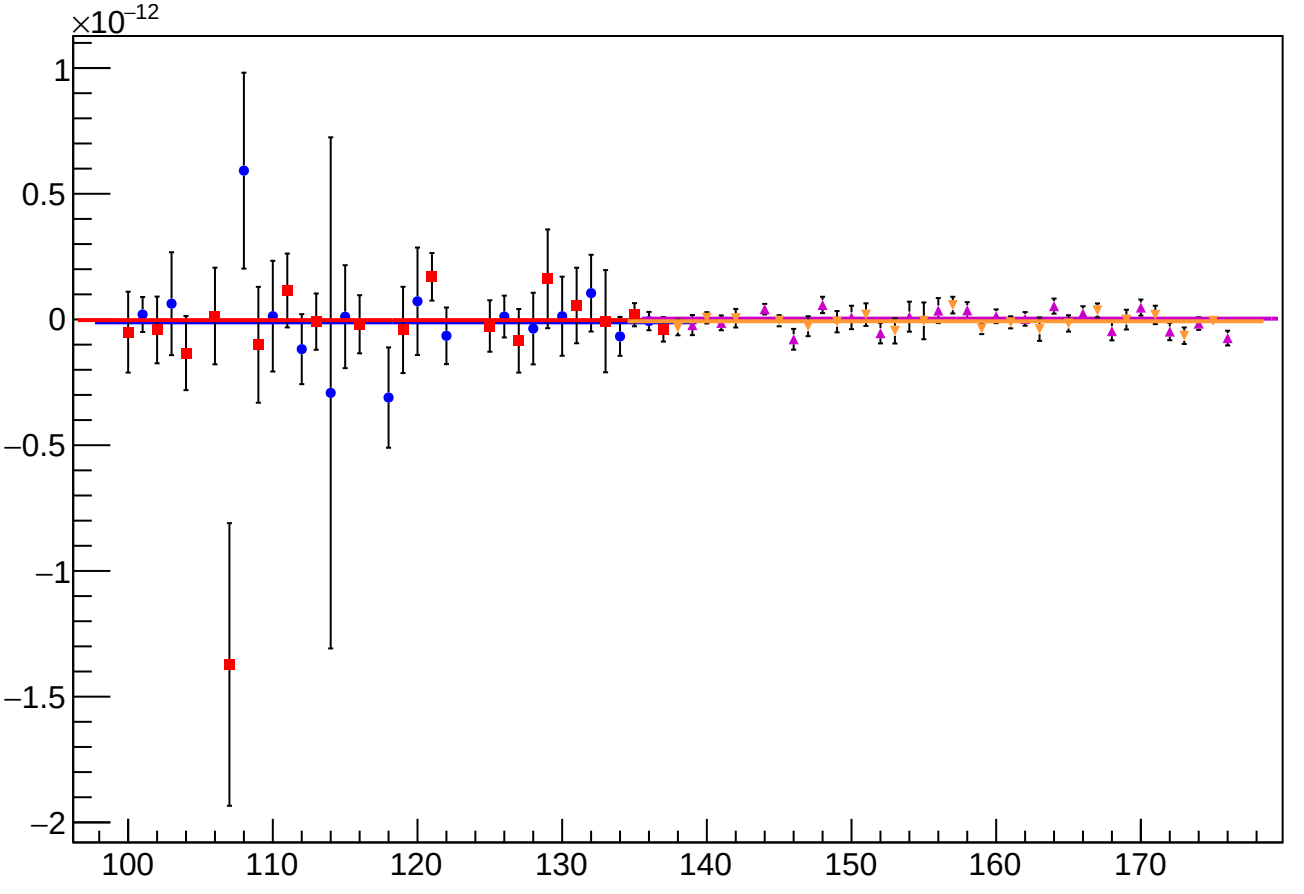
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1978.549+/-0.355 χ^2/NDF:21592.1/18

+ sign 2089.499+/-0.318 χ^2/NDF: 1256310.1/34

All: 2093.617+/-0.224 χ^2/NDF: 2478147.7/71

- sign 2097.665+/-0.315 χ^2/NDF: 1221504.0/36



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/18

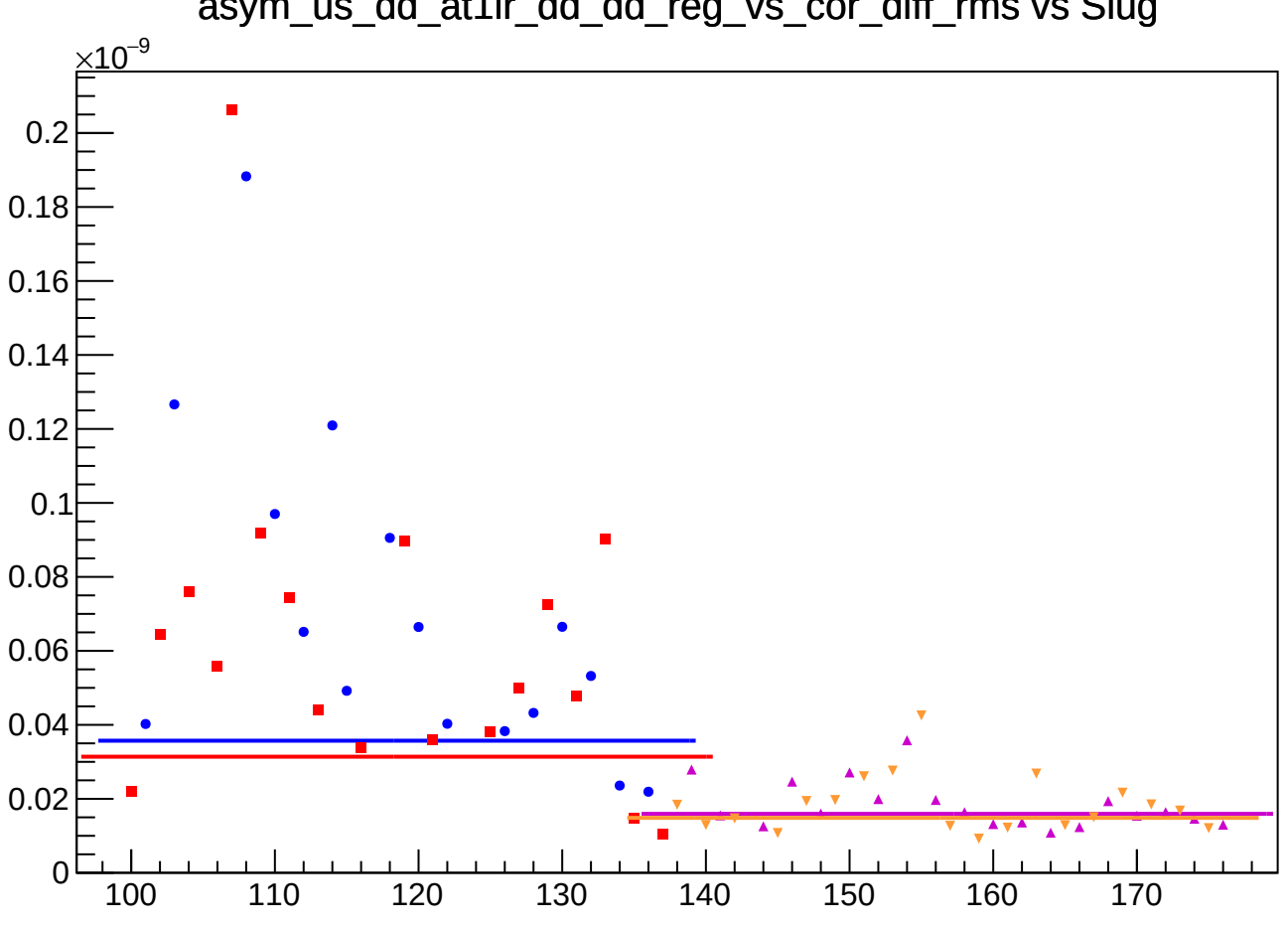
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:31.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/34

All: -0.000+/-0.000 χ^2/NDF: 67.0/71

- sign 0.000+/-0.000 χ^2/NDF: 44.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1130551.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

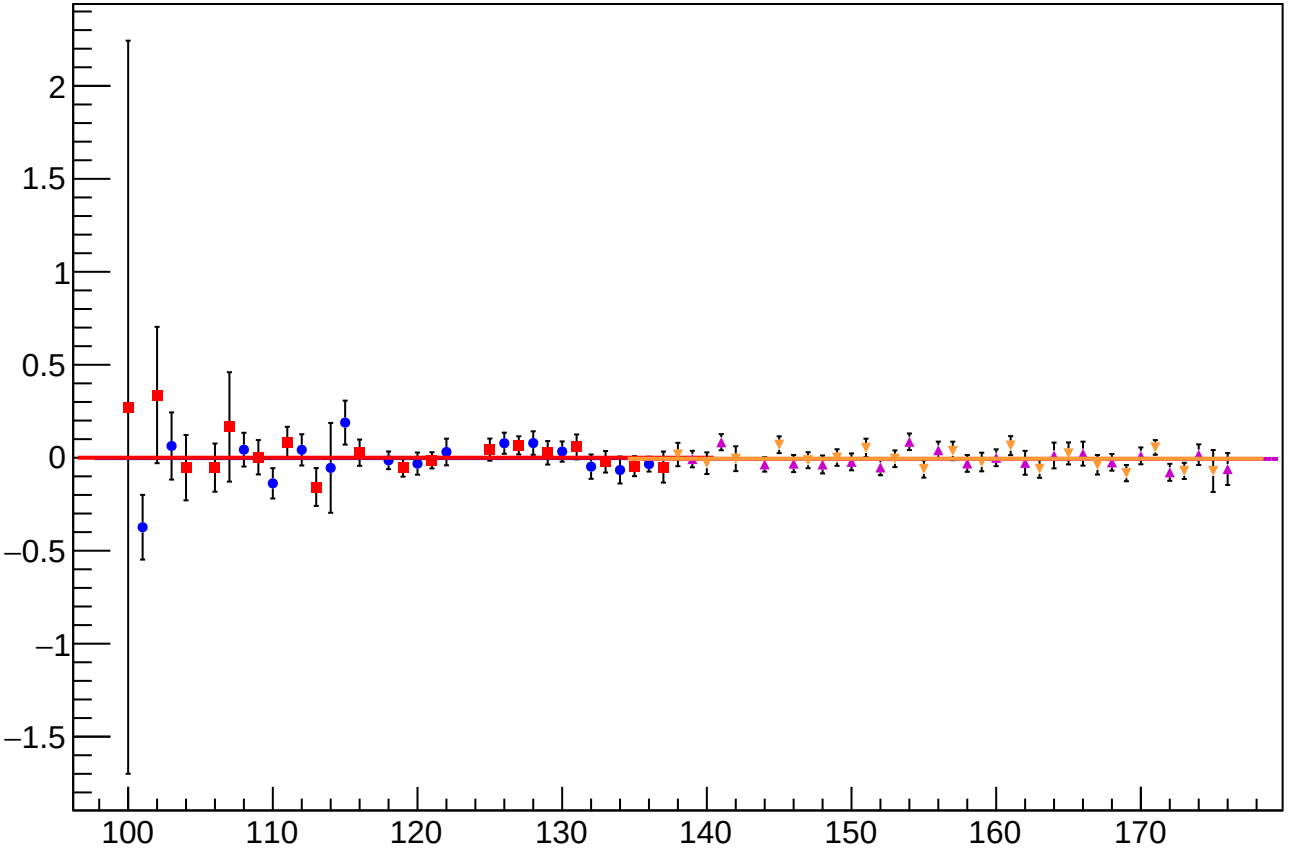
Left In: 0.000+/-0.000 χ^2/NDF:855489.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 4087357.1/34

All: 0.000+/-0.000 χ^2/NDF: 7761855.1/71

- sign 0.000+/-0.000 χ^2/NDF: 3660840.8/36

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.005+/-0.011 χ^2/NDF:18.6/18

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

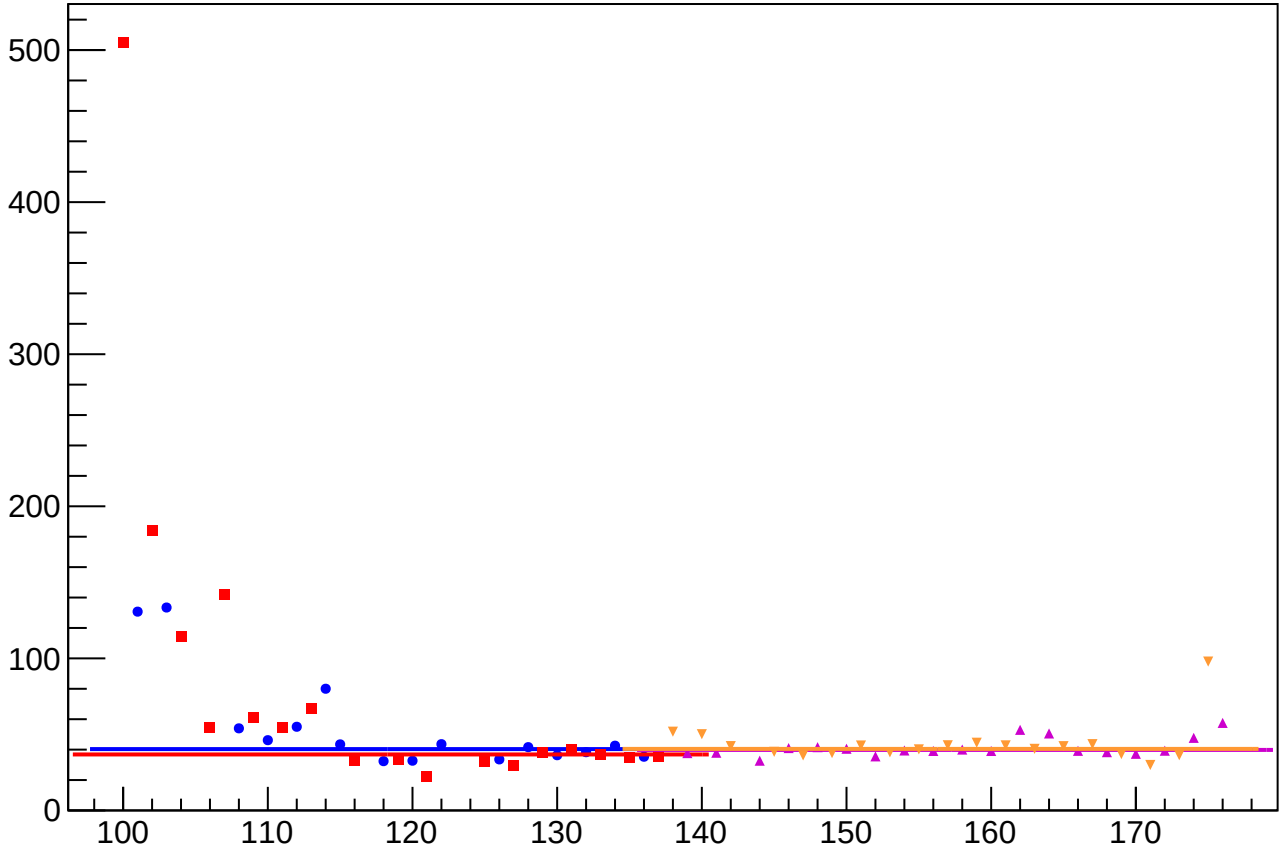
Left In: -0.006+/-0.011 χ^2/NDF:16.2/18

+ sign -0.004+/-0.009 χ^2/NDF: 35.7/34

All: -0.004+/-0.007 χ^2/NDF: 62.9/71

- sign -0.004+/-0.009 χ^2/NDF: 27.2/36

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: 40.477+/-0.008 χ^2/NDF:883136.8/18

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

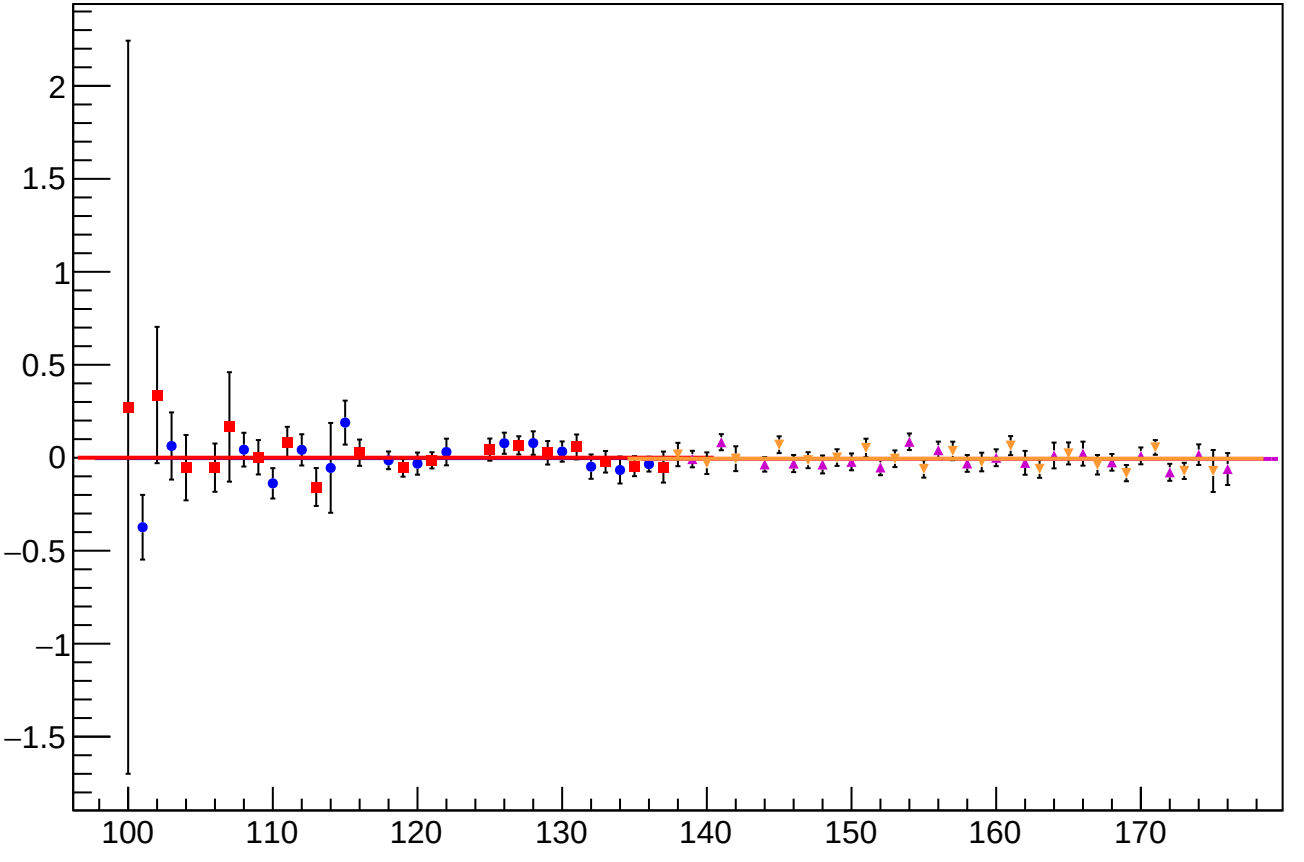
Left In: 39.806+/-0.008 χ^2/NDF:369242.4/18

+ sign 40.439+/-0.007 χ^2/NDF: 2293348.8/34

All: 39.644+/-0.005 χ^2/NDF: 4571406.7/71

- sign 38.898+/-0.007 χ^2/NDF: 2250863.2/36

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: -0.005+/-0.011 χ^2/NDF:18.6/18

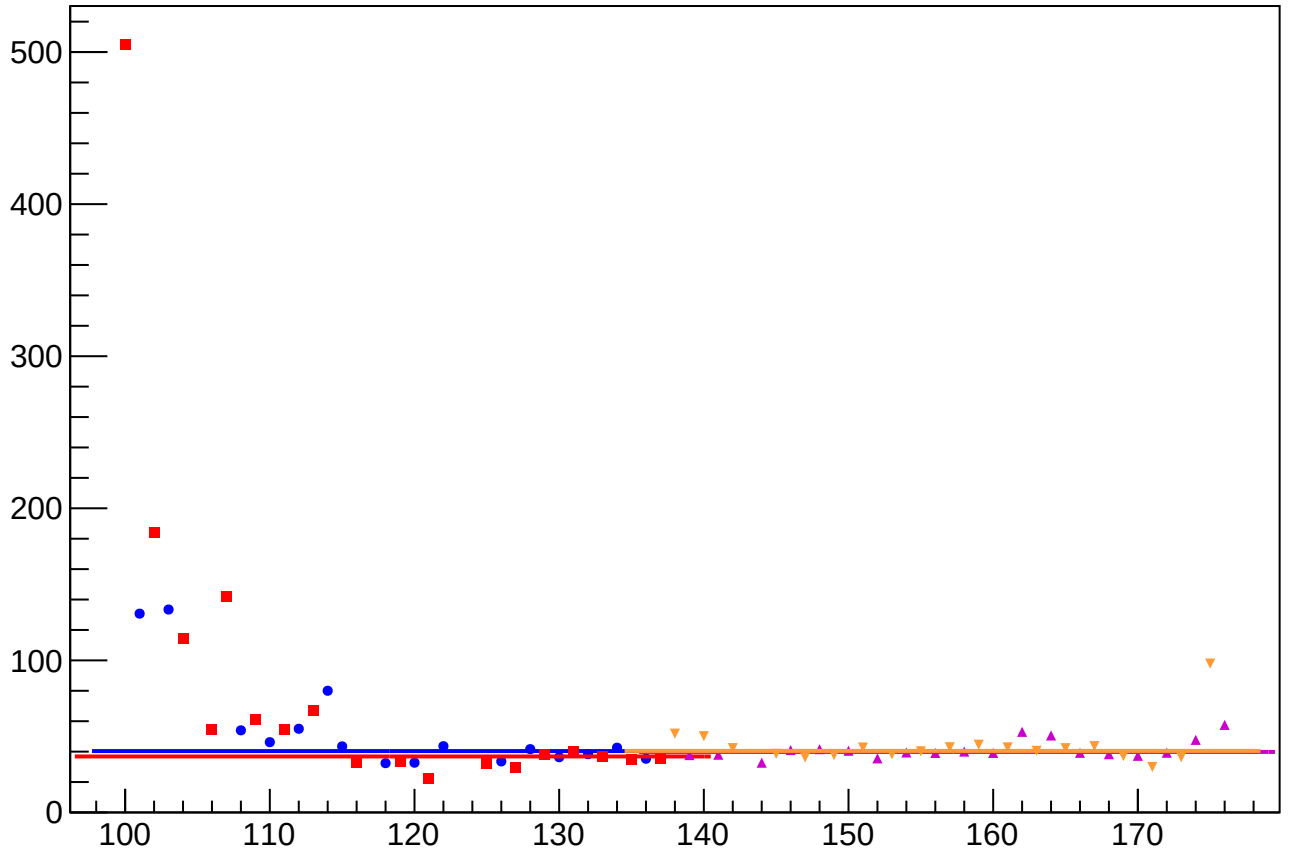
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.006+/-0.011 χ^2/NDF:16.2/18

+ sign -0.004+/-0.009 χ^2/NDF: 35.7/34

All: -0.004+/-0.007 χ^2/NDF: 62.9/71

- sign -0.004+/-0.009 χ^2/NDF: 27.2/36



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.477+/-0.008 χ^2/NDF:883136.8/18

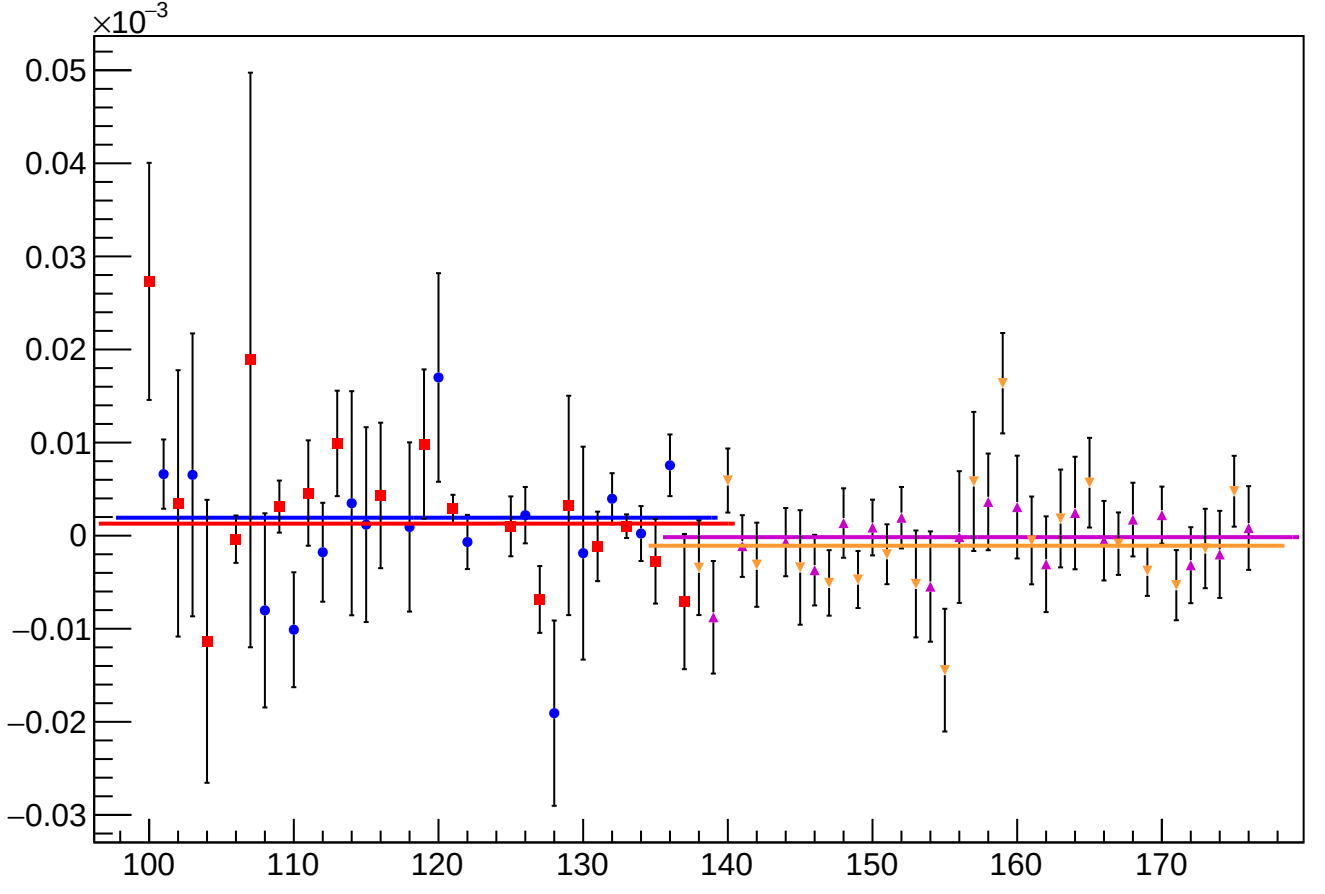
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.806+/-0.008 χ^2/NDF:369242.4/18

+ sign 40.439+/-0.007 χ^2/NDF: 2293348.8/34

All: 39.644+/-0.005 χ^2/NDF: 4571406.7/71

- sign 38.898+/-0.007 χ^2/NDF: 2250863.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.4/18

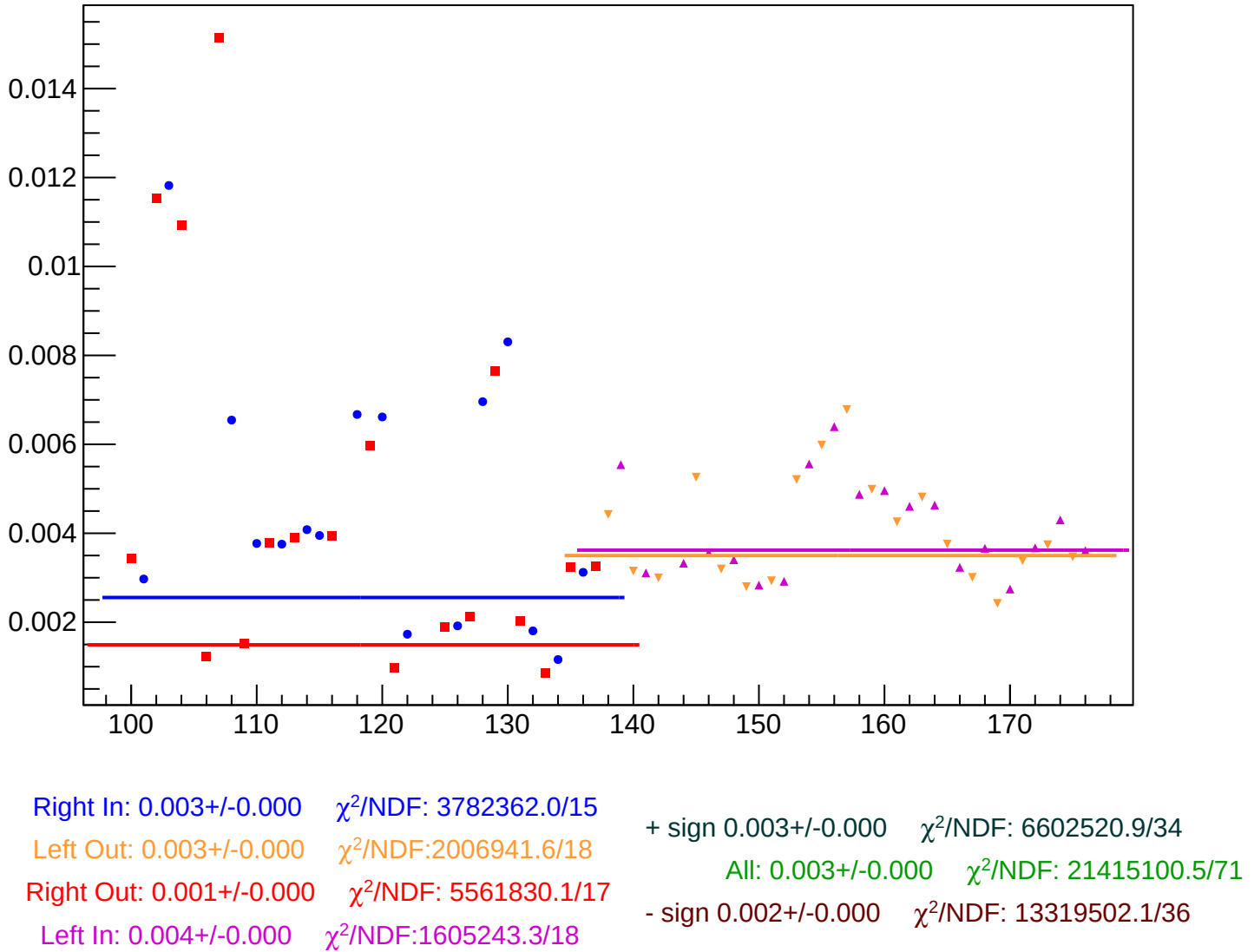
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

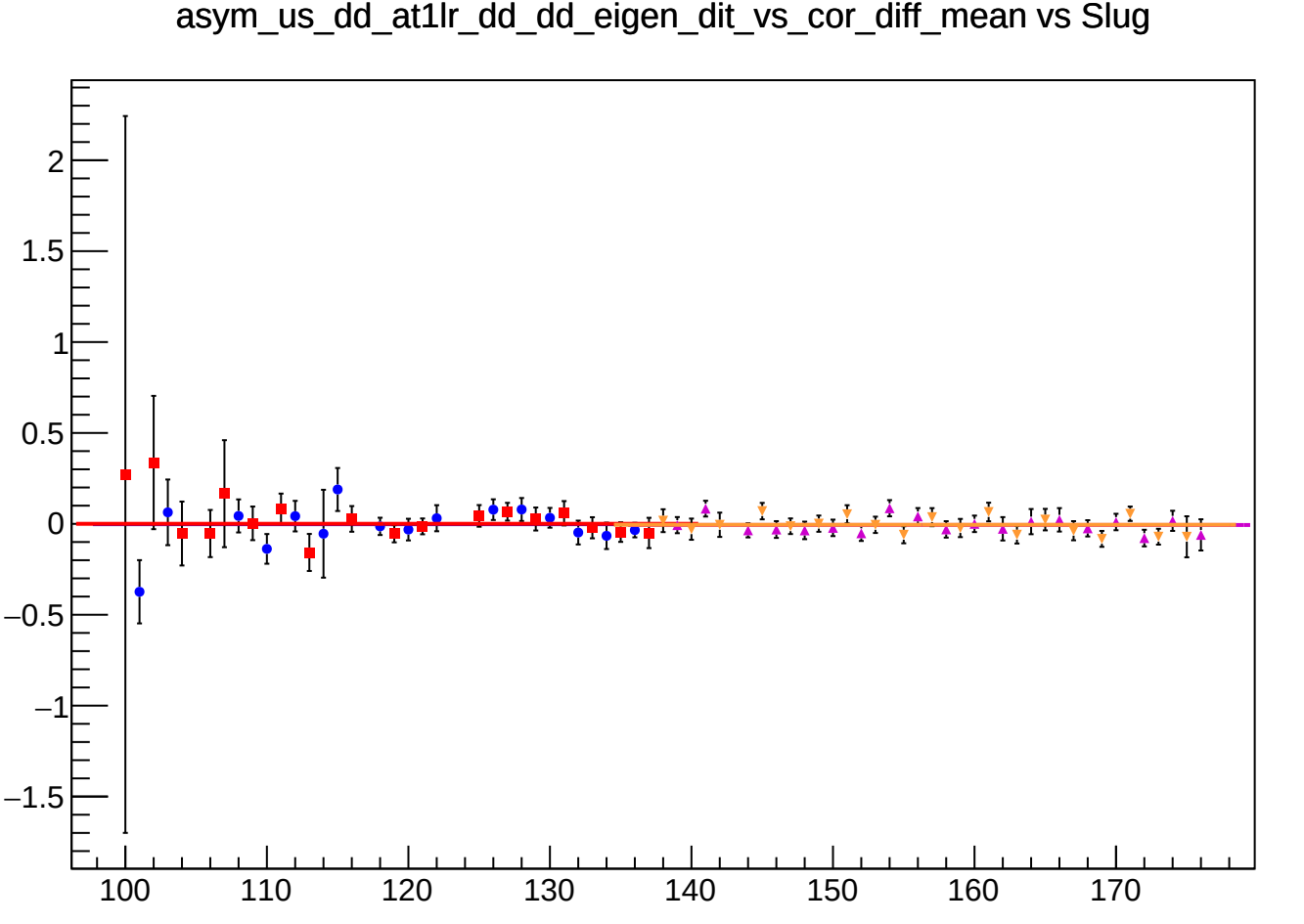
Left In: -0.000+/-0.000 χ^2/NDF:7.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 52.4/34

All: 0.000+/-0.000 χ^2/NDF: 80.5/71

- sign 0.000+/-0.000 χ^2/NDF: 27.8/36


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.003+/-0.000 χ²/NDF:2006941.6/18
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:1605243.3/18
+ sign 0.003+/-0.000 χ²/NDF: 6602520.9/34
All: 0.003+/-0.000 χ²/NDF: 21415100.5/71
- sign 0.002+/-0.000 χ²/NDF: 13319502.1/36



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.005+/-0.011 χ^2/NDF:18.6/18

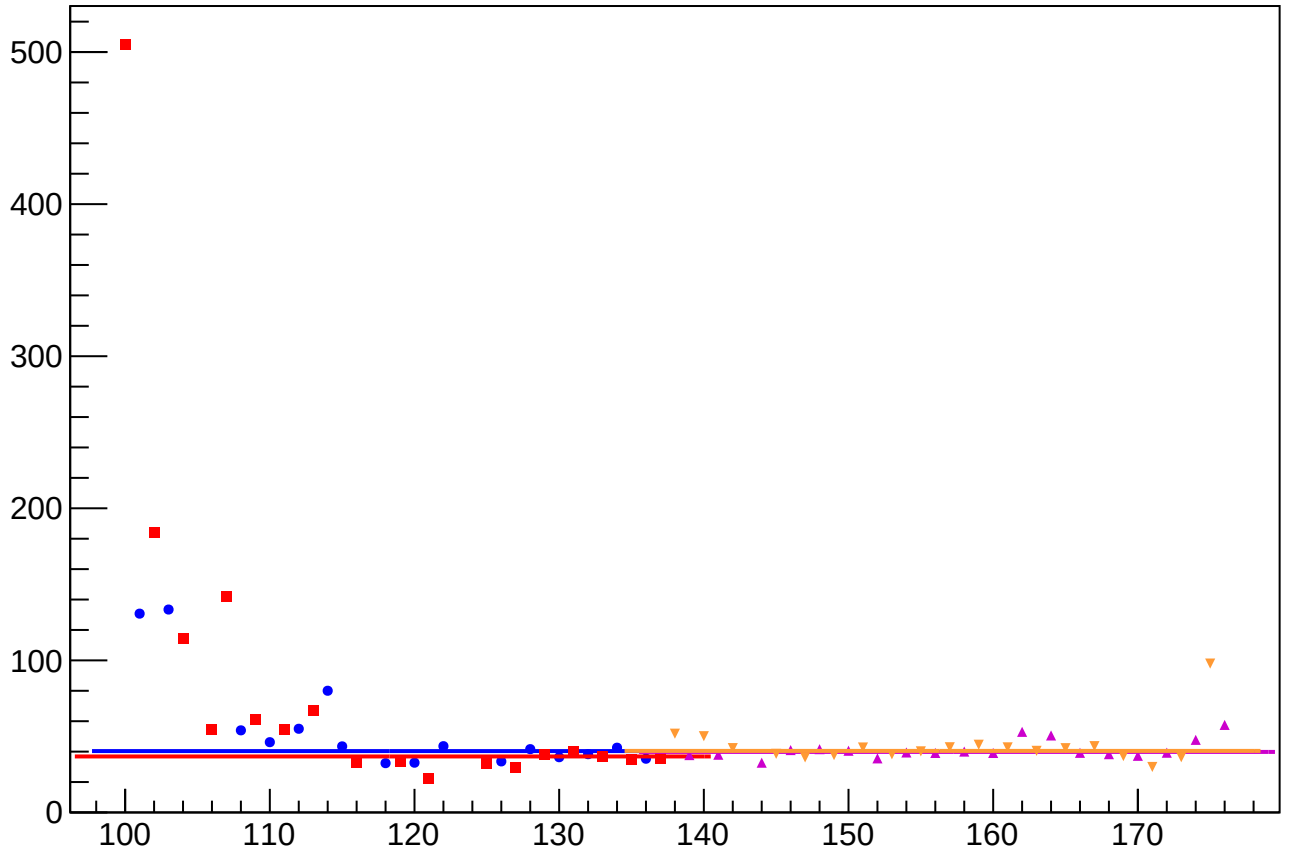
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.006+/-0.011 χ^2/NDF:16.2/18

+ sign -0.004+/-0.009 χ^2/NDF: 35.7/34

All: -0.004+/-0.007 χ^2/NDF: 62.9/71

- sign -0.004+/-0.009 χ^2/NDF: 27.2/36



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.477+/-0.008 χ^2/NDF:883175.1/18

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

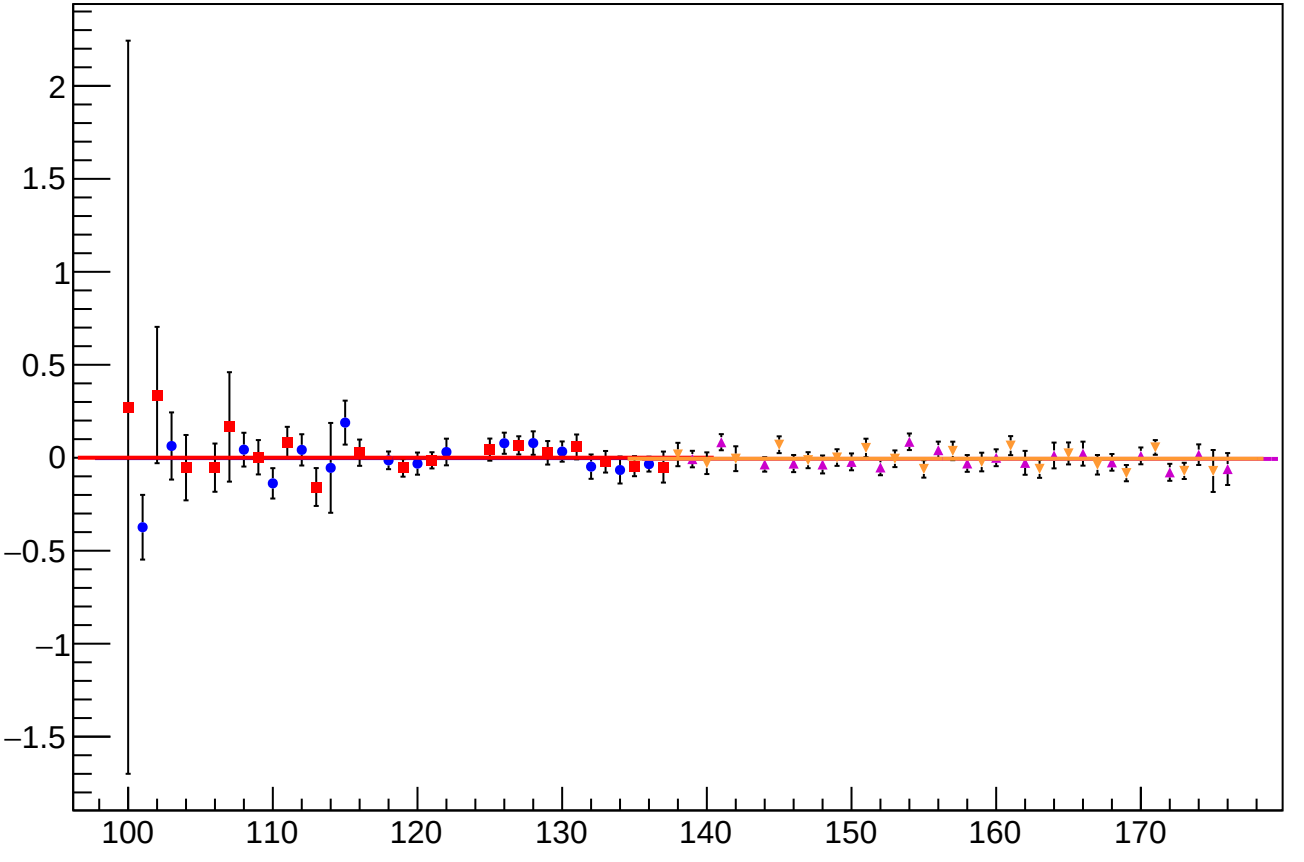
Left In: 39.806+/-0.008 χ^2/NDF:369195.0/18

+ sign 40.439+/-0.007 χ^2/NDF: 2293285.8/34

All: 39.644+/-0.005 χ^2/NDF: 4571328.2/71

- sign 38.897+/-0.007 χ^2/NDF: 2250833.6/36

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: -0.005+/-0.011 χ^2/NDF:18.6/18

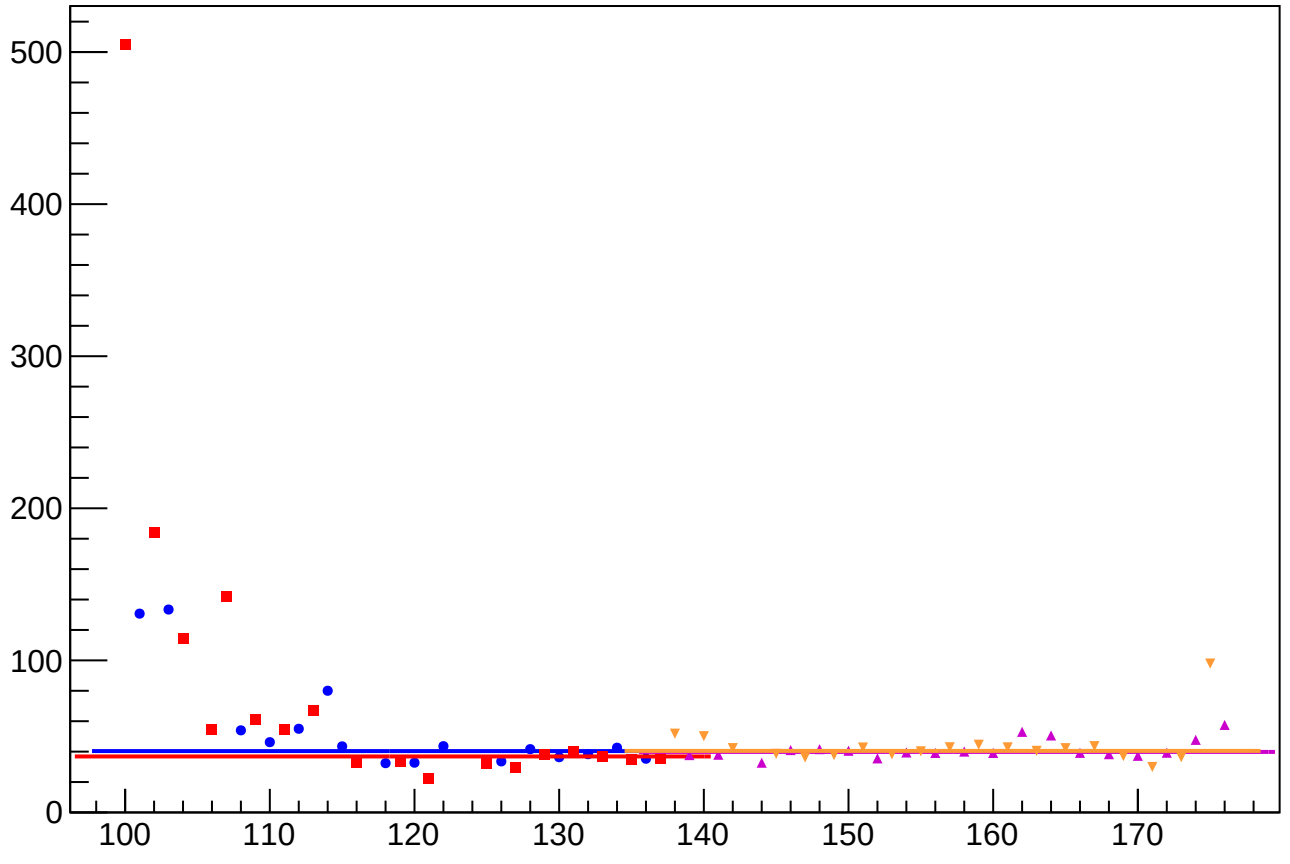
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.006+/-0.011 χ^2/NDF:16.2/18

+ sign -0.004+/-0.009 χ^2/NDF: 35.7/34

All: -0.004+/-0.007 χ^2/NDF: 62.9/71

- sign -0.004+/-0.009 χ^2/NDF: 27.2/36



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.477+/-0.008 χ^2/NDF:883175.1/18

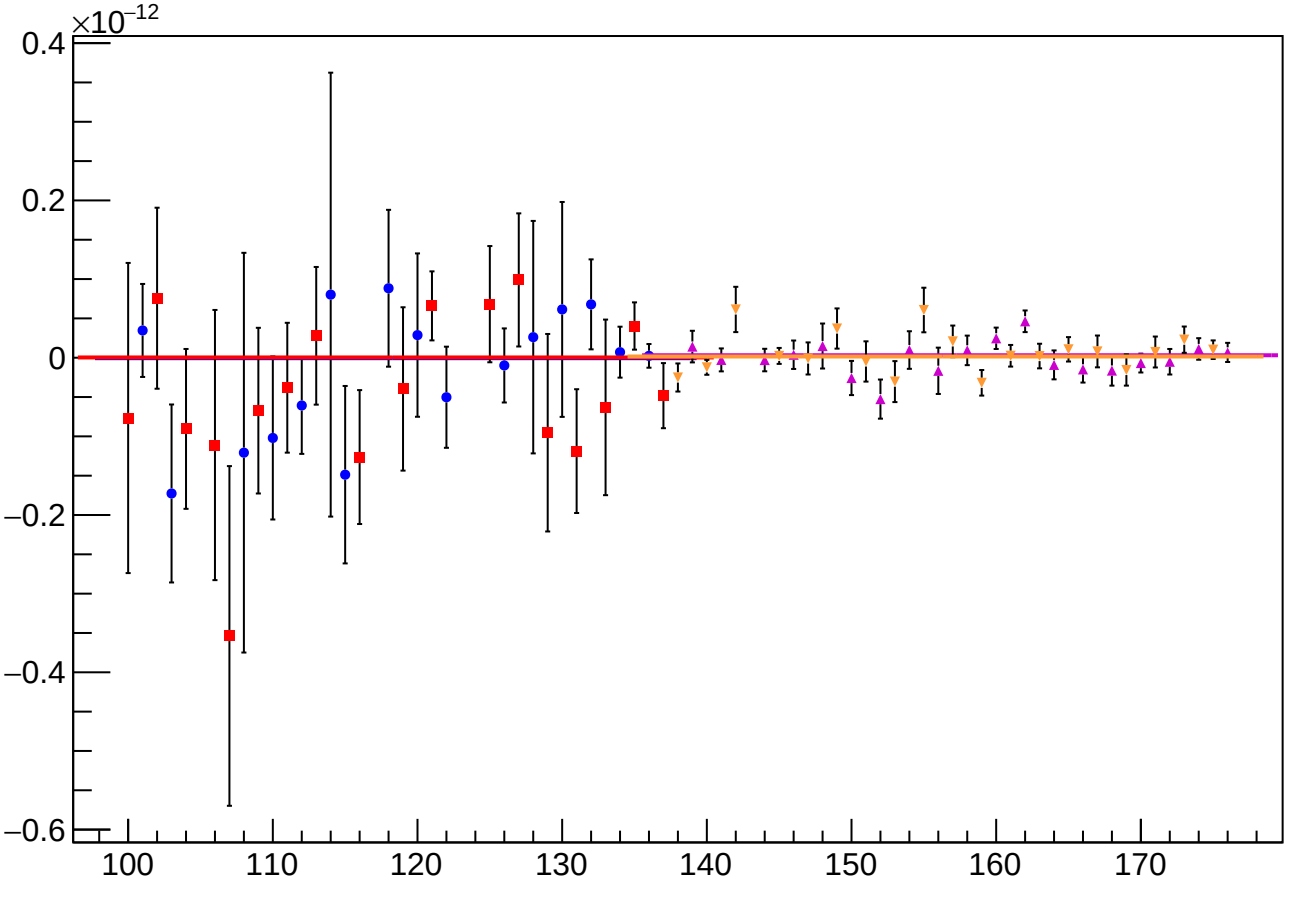
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.806+/-0.008 χ^2/NDF:369195.0/18

+ sign 40.439+/-0.007 χ^2/NDF: 2293285.8/34

All: 39.644+/-0.005 χ^2/NDF: 4571328.2/71

- sign 38.897+/-0.007 χ^2/NDF: 2250833.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/18

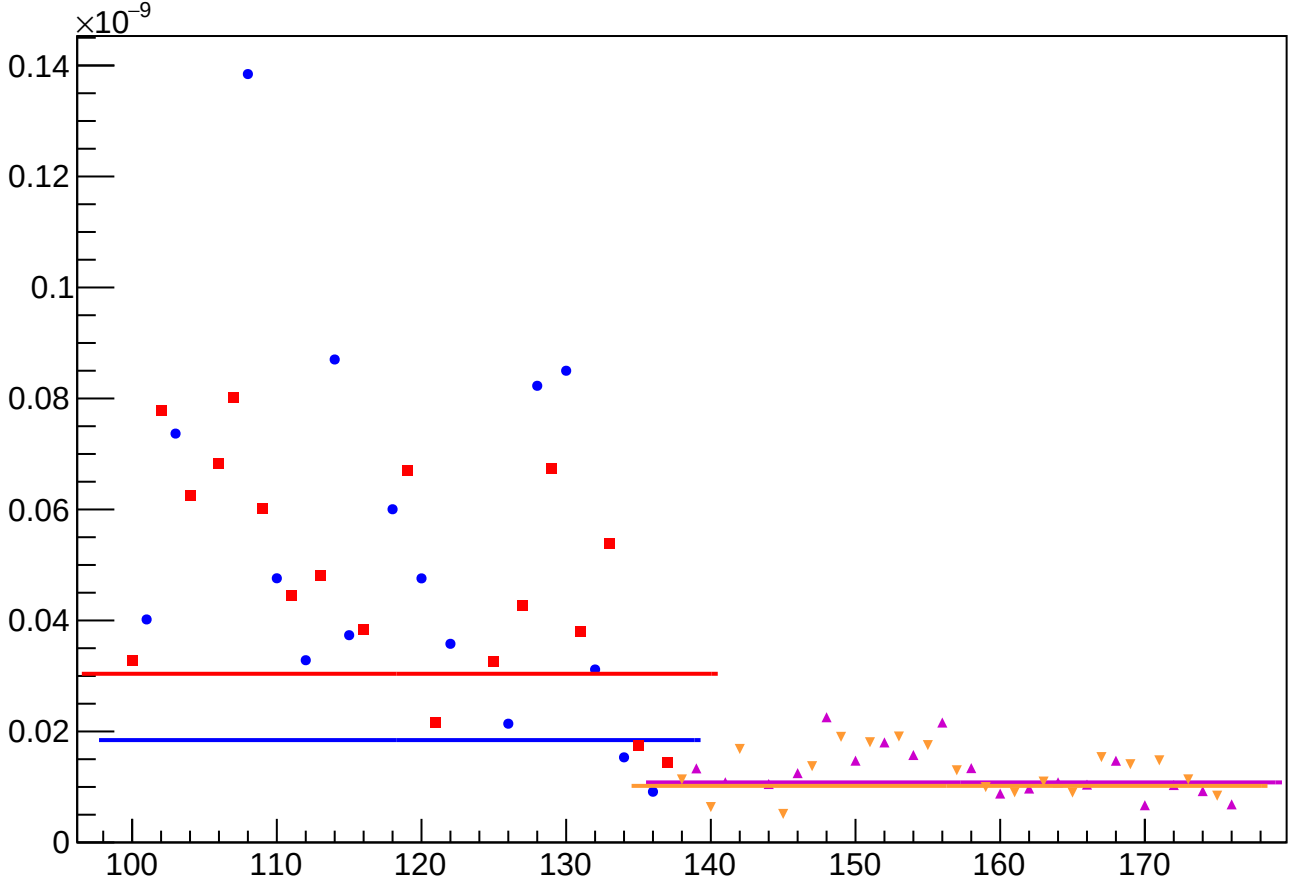
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:24.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/34

All: 0.000+/-0.000 χ^2/NDF: 78.2/71

- sign 0.000+/-0.000 χ^2/NDF: 43.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2235854.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

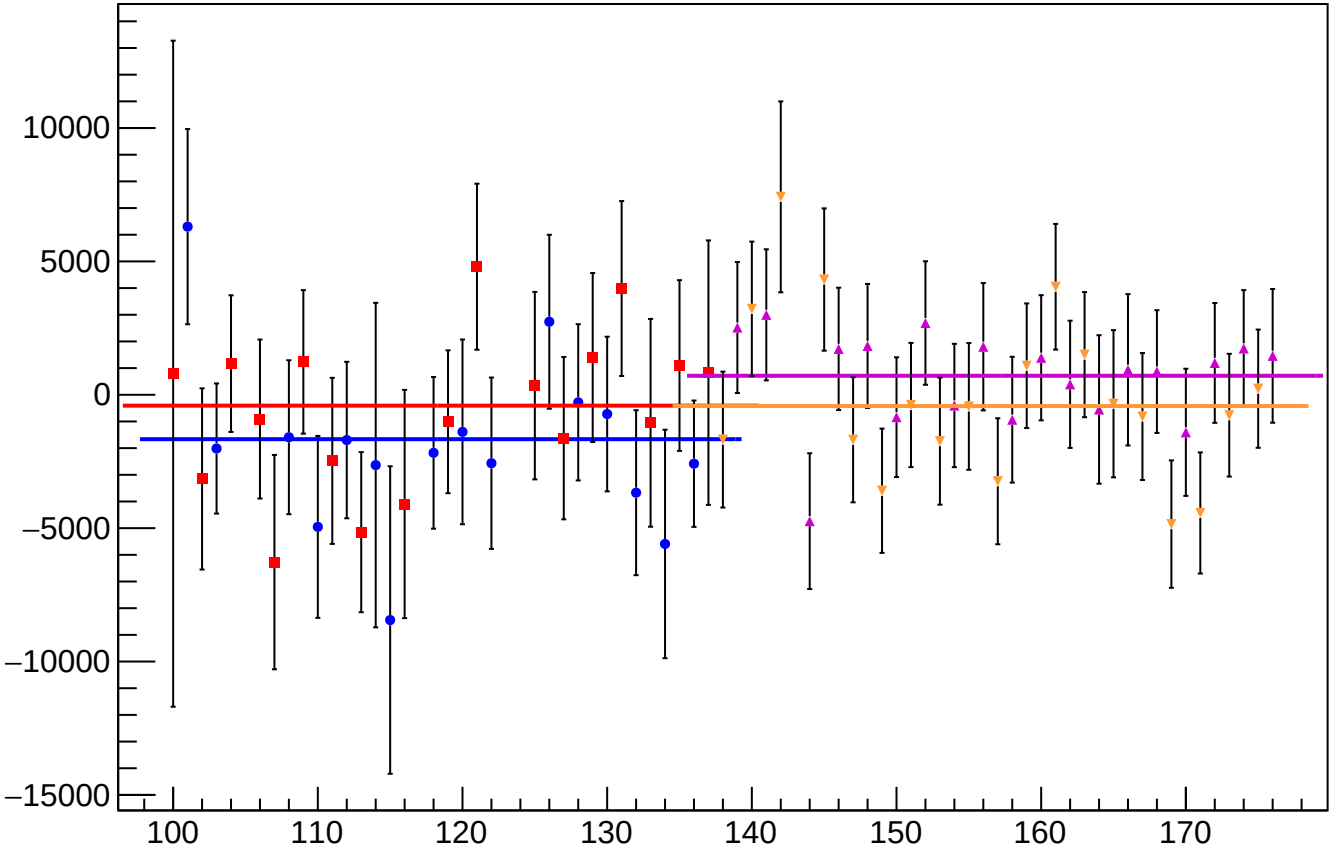
Left In: 0.000+/-0.000 χ^2/NDF:1625505.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 7180921.2/34

All: 0.000+/-0.000 χ^2/NDF: 13929672.8/71

- sign 0.000+/-0.000 χ^2/NDF: 6694931.5/36

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -422.556+/-556.557 χ^2/NDF:25.6/18

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

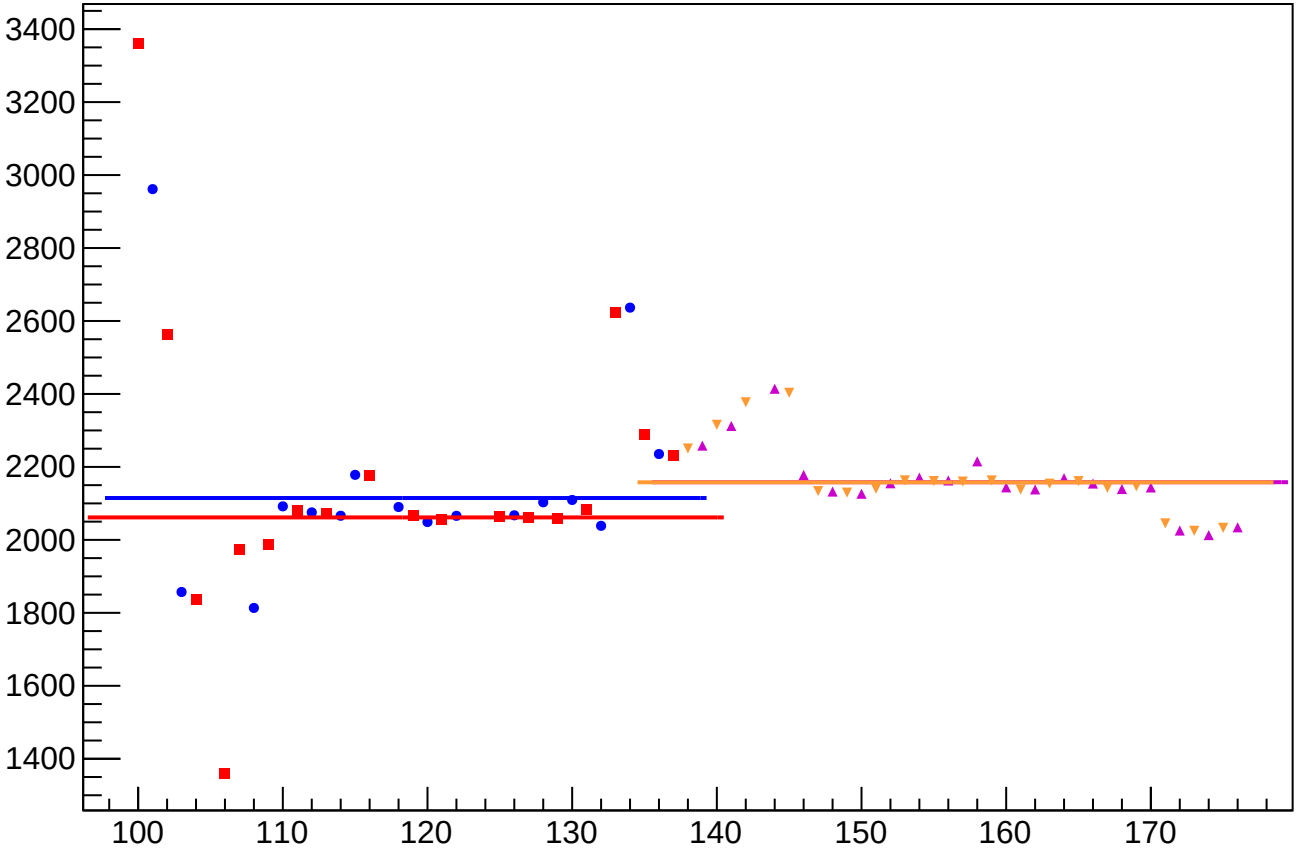
Left In: 712.480+/-547.936 χ^2/NDF:10.0/18

+ sign -832.934+/-455.397 χ^2/NDF: 38.0/34

All: -236.214+/-319.302 χ^2/NDF: 65.5/71

- sign 340.818+/-447.821 χ^2/NDF: 24.1/36

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2157.814+/-0.394 χ^2/NDF:53741.3/18

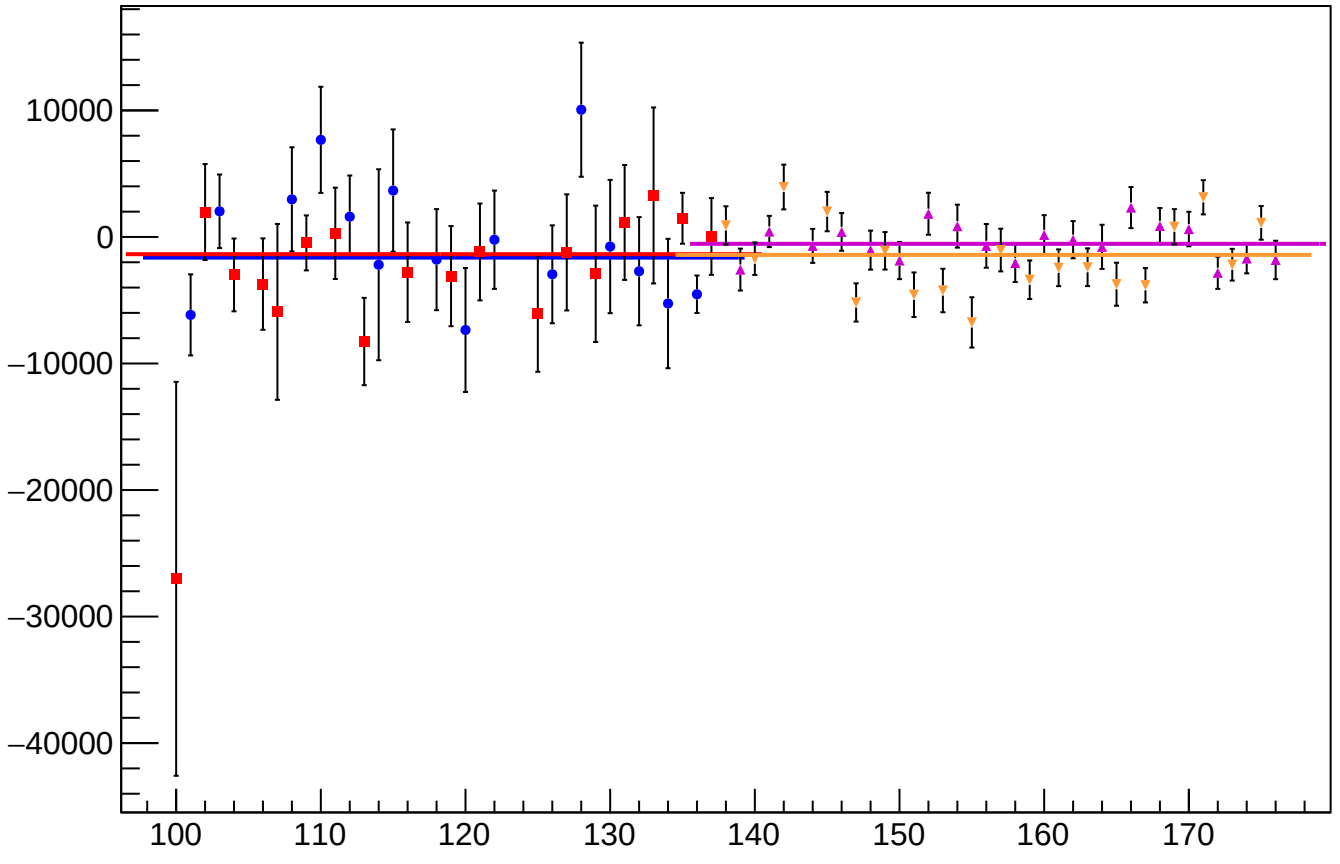
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2158.137+/-0.387 χ^2/NDF:54582.1/18

+ sign 2143.583+/-0.322 χ^2/NDF: 247618.0/34

All: 2134.679+/-0.226 χ^2/NDF: 573521.2/71

- sign 2126.069+/-0.317 χ^2/NDF: 324399.3/36



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1418.425+/-344.287 χ^2/NDF:61.2/18

Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

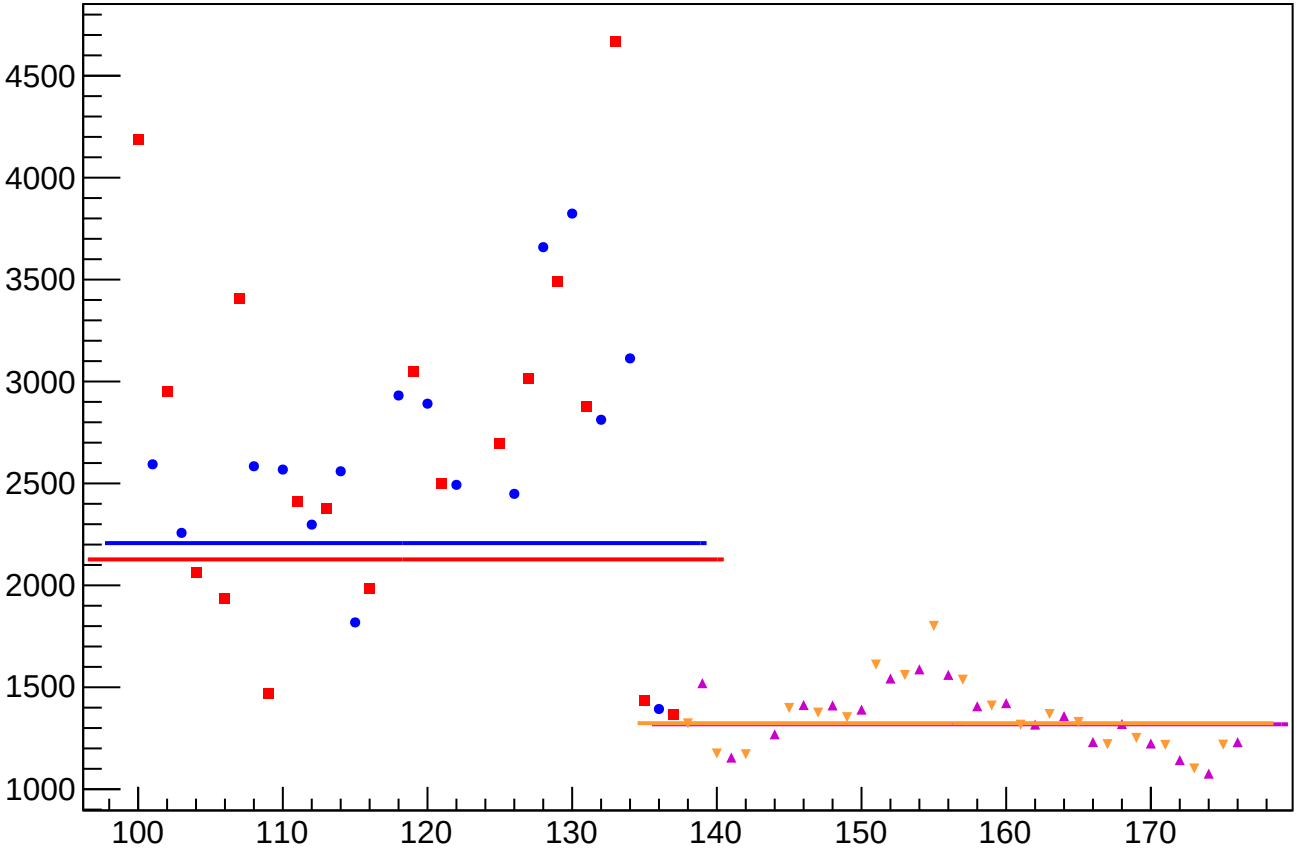
Left In: -543.409+/-337.160 χ^2/NDF:17.3/18

\+ sign -1447.574+/-319.749 χ^2/NDF: 84.1/34

All: -1043.685+/-223.642 χ^2/NDF: 118.8/71

\- sign -656.871+/-312.917 χ^2/NDF: 31.5/36

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1323.740+/-0.243 χ^2/NDF:400565.1/18

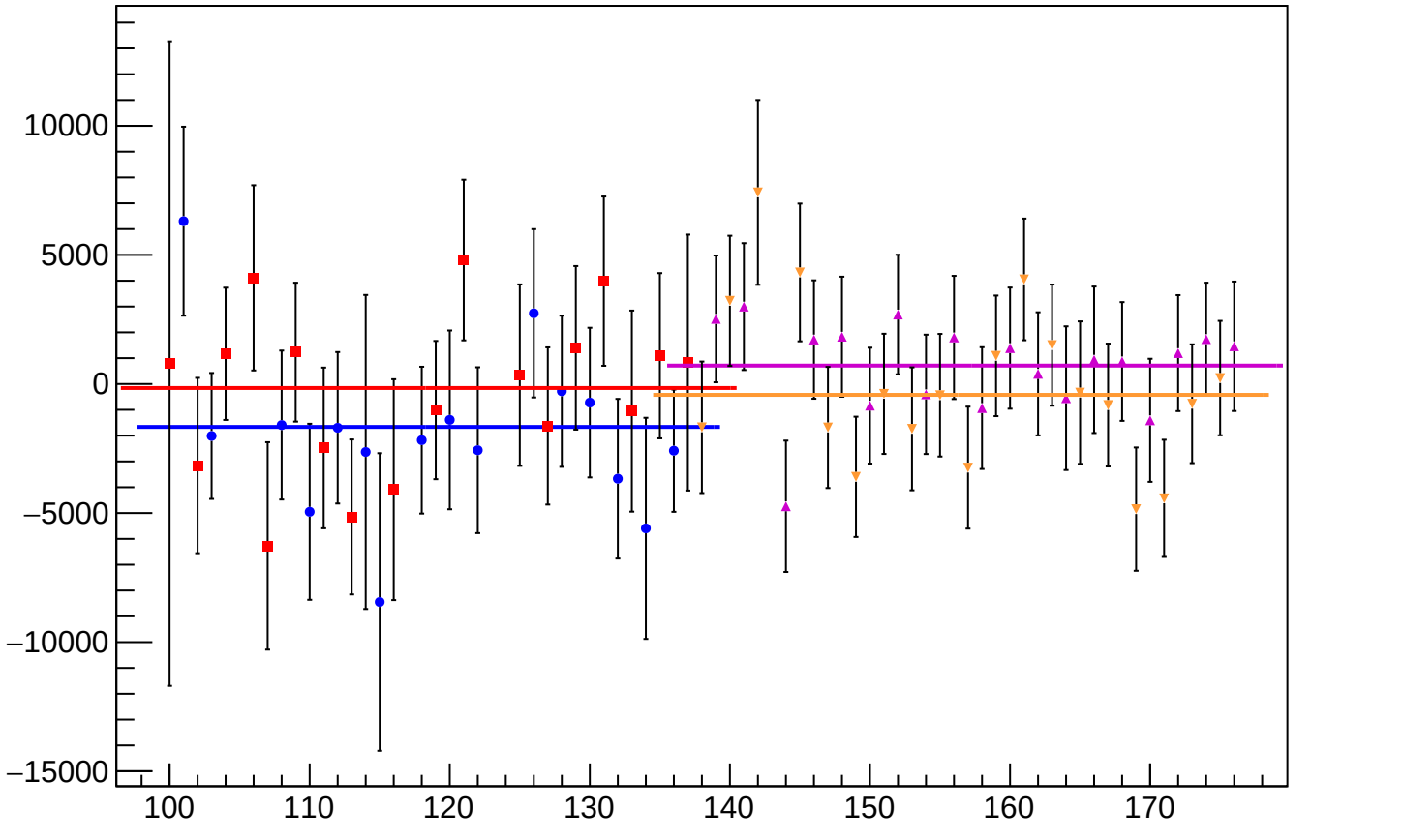
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1318.345+/-0.238 χ^2/NDF:376187.2/18

+ sign 1445.190+/-0.226 χ^2/NDF: 3460339.9/34

All: 1437.678+/-0.158 χ^2/NDF: 6892595.5/71

- sign 1430.483+/-0.221 χ^2/NDF: 3430094.4/36



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -422.425+/-556.557 χ^2/NDF:25.6/18

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

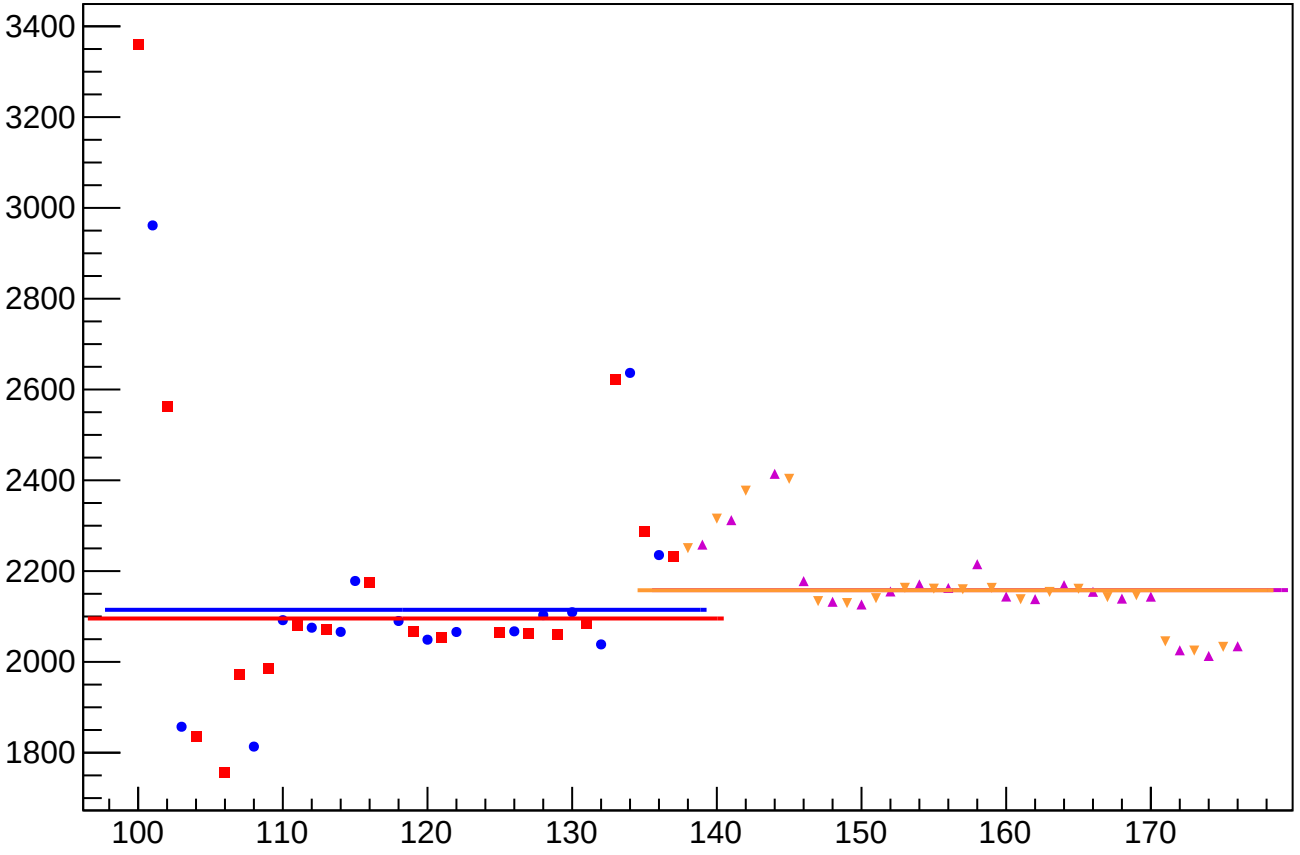
Left In: 712.343+/-547.936 χ^2/NDF:10.0/18

\+ sign -832.822+/-455.397 χ^2/NDF: 38.0/34

All: -193.959+/-319.872 χ^2/NDF: 66.9/71

\- sign 428.181+/-449.397 χ^2/NDF: 25.0/36

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2157.814+/-0.394 χ^2/NDF:53741.3/18

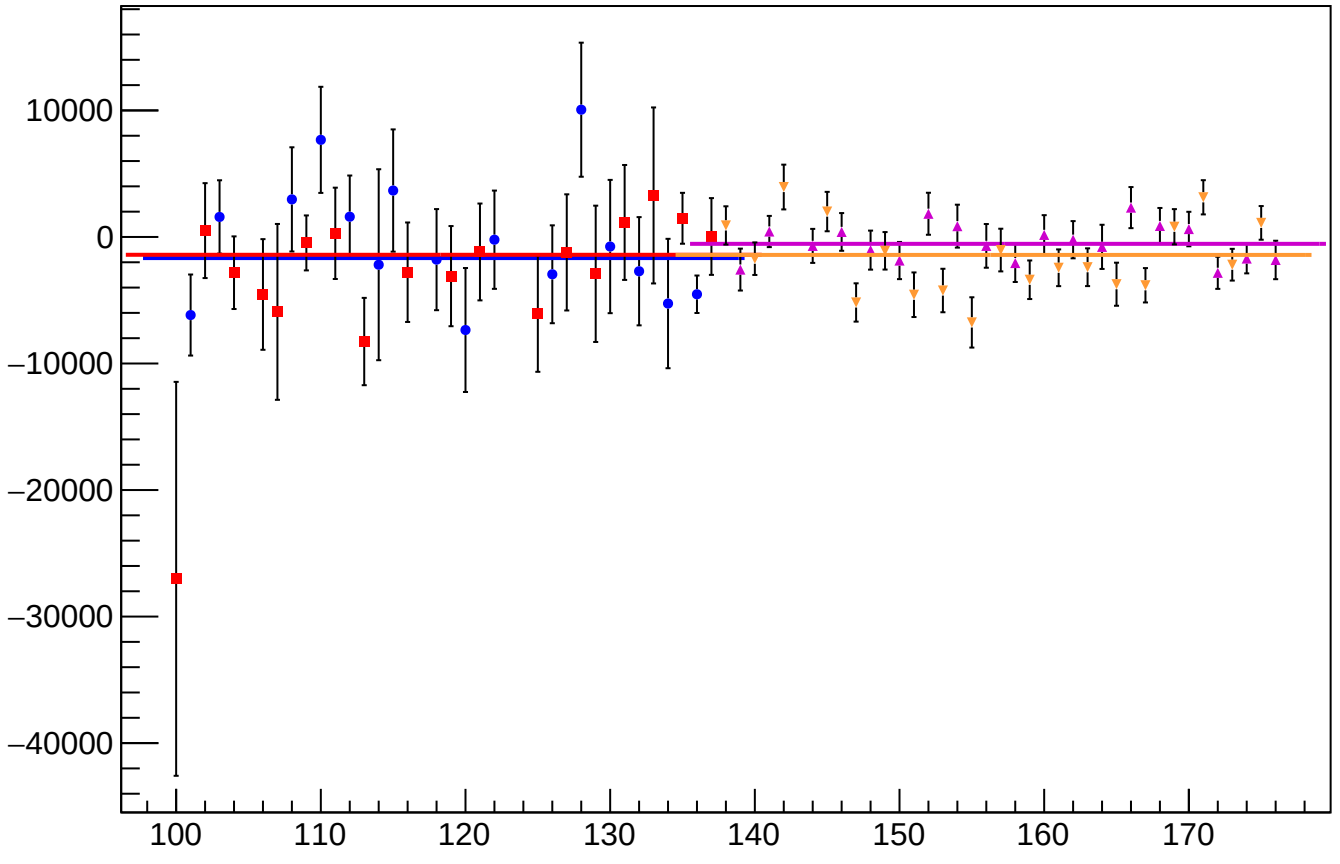
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2158.137+/-0.387 χ^2/NDF:54582.1/18

+ sign 2143.583+/-0.322 χ^2/NDF: 247618.4/34

All: 2140.585+/-0.226 χ^2/NDF: 460260.7/71

- sign 2137.665+/-0.318 χ^2/NDF: 212471.2/36



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1418.462+/-344.289 χ^2/NDF:61.2/18

Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

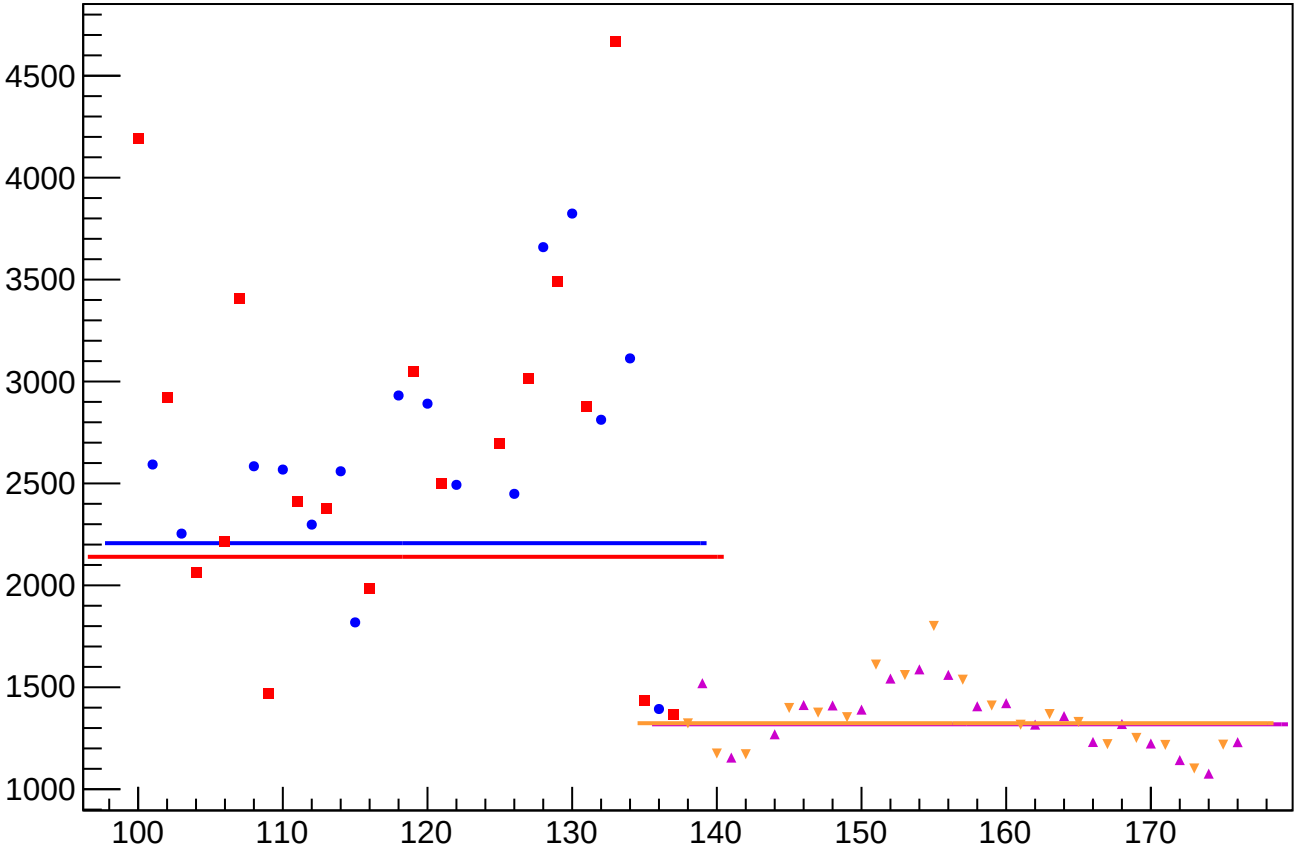
Left In: -543.318+/-337.160 χ^2/NDF:17.3/18

+ sign -1452.851+/-319.736 χ^2/NDF: 83.8/34

All: -1049.112+/-223.762 χ^2/NDF: 118.1/71

- sign -661.570+/-313.257 χ^2/NDF: 31.1/36

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: 1323.750+/-0.243 χ^2/NDF:400513.7/18

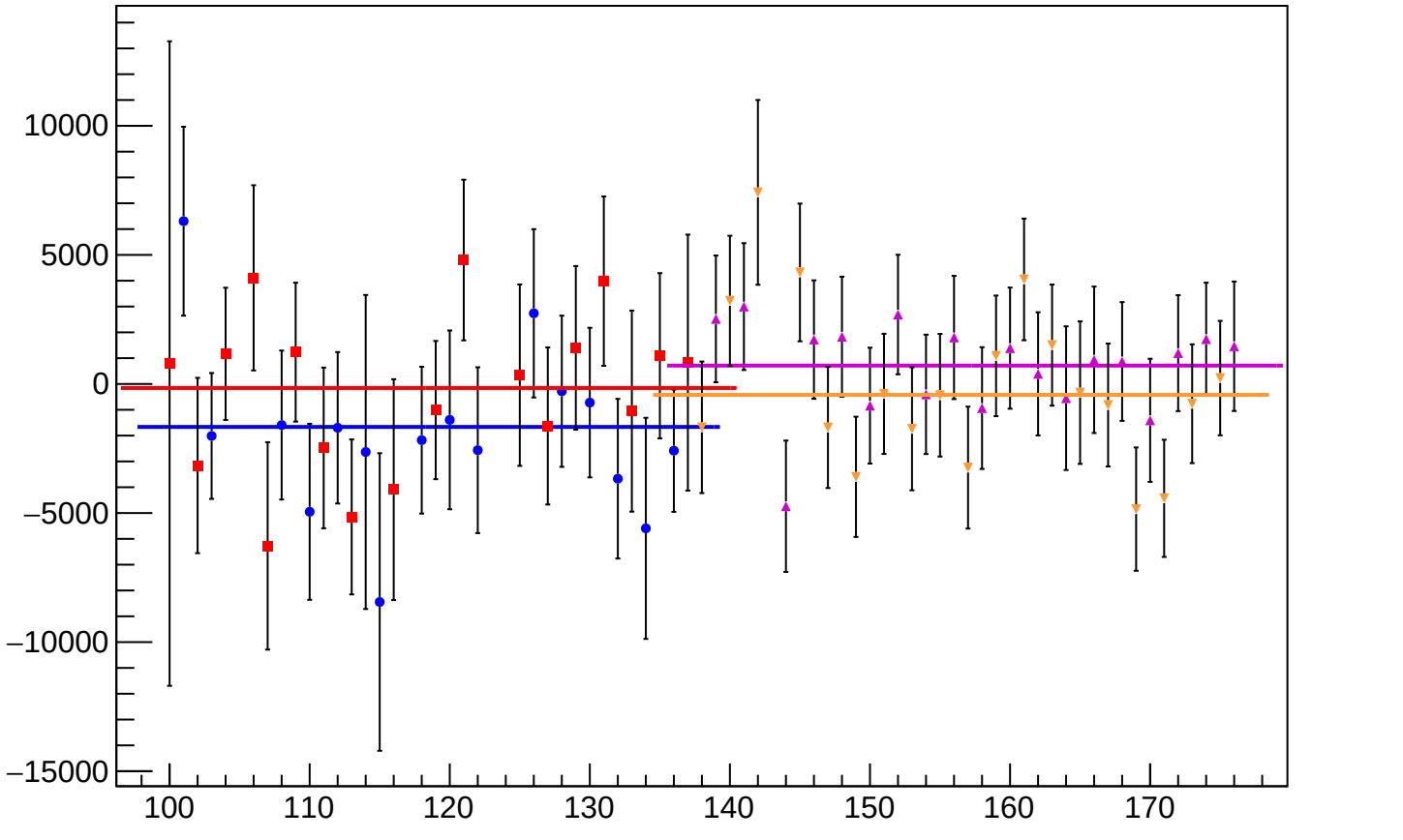
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1318.345+/-0.238 χ^2/NDF:376213.3/18

+ sign 1445.224+/-0.226 χ^2/NDF: 3459678.3/34

All: 1437.826+/-0.158 χ^2/NDF: 6911028.3/71

- sign 1430.725+/-0.222 χ^2/NDF: 3449251.4/36



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -422.425+/-556.557 χ^2/NDF:25.6/18

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

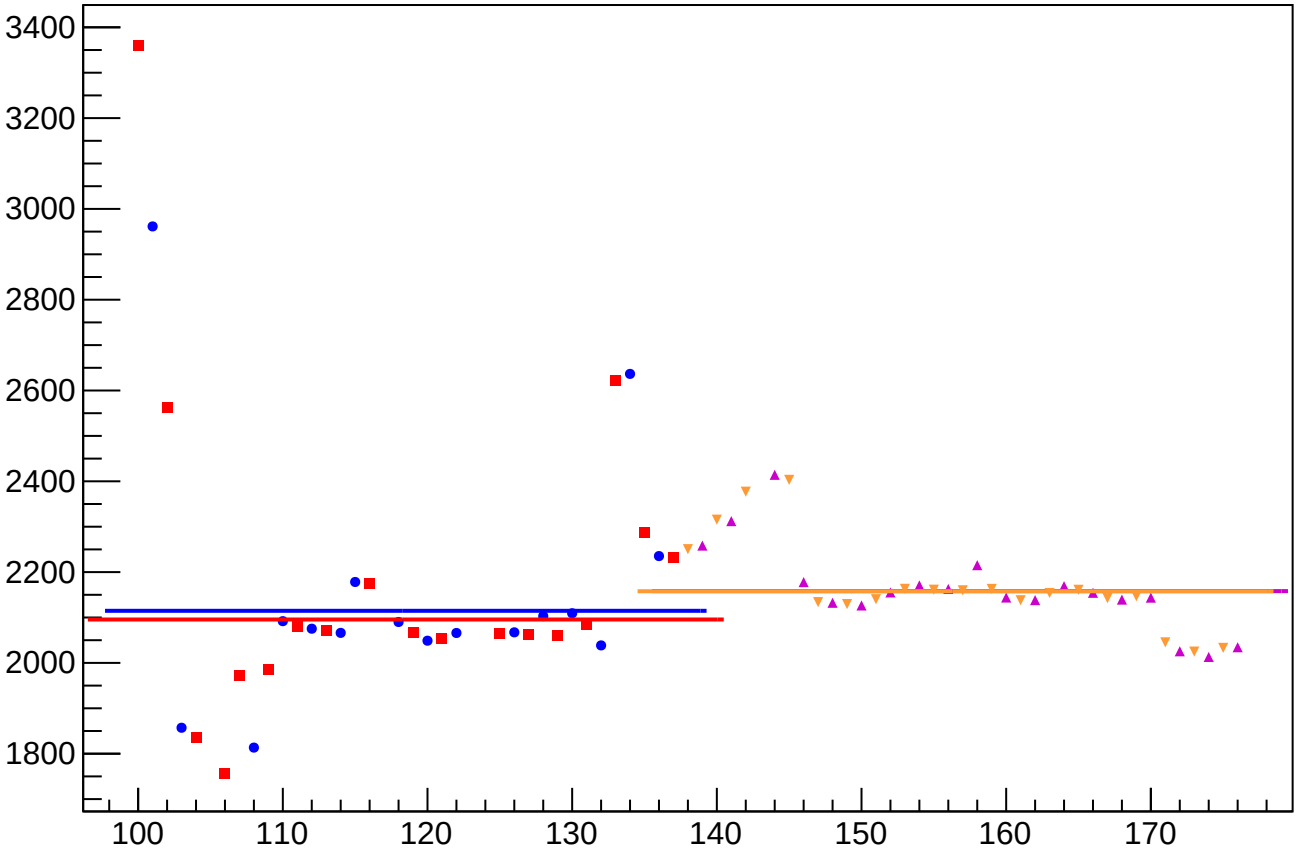
Left In: 712.343+/-547.936 χ^2/NDF:10.0/18

+ sign -832.822+/-455.397 χ^2/NDF: 38.0/34

All: -193.959+/-319.872 χ^2/NDF: 66.9/71

- sign 428.181+/-449.397 χ^2/NDF: 25.0/36

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: 2157.814+/-0.394 χ^2/NDF:53741.3/18

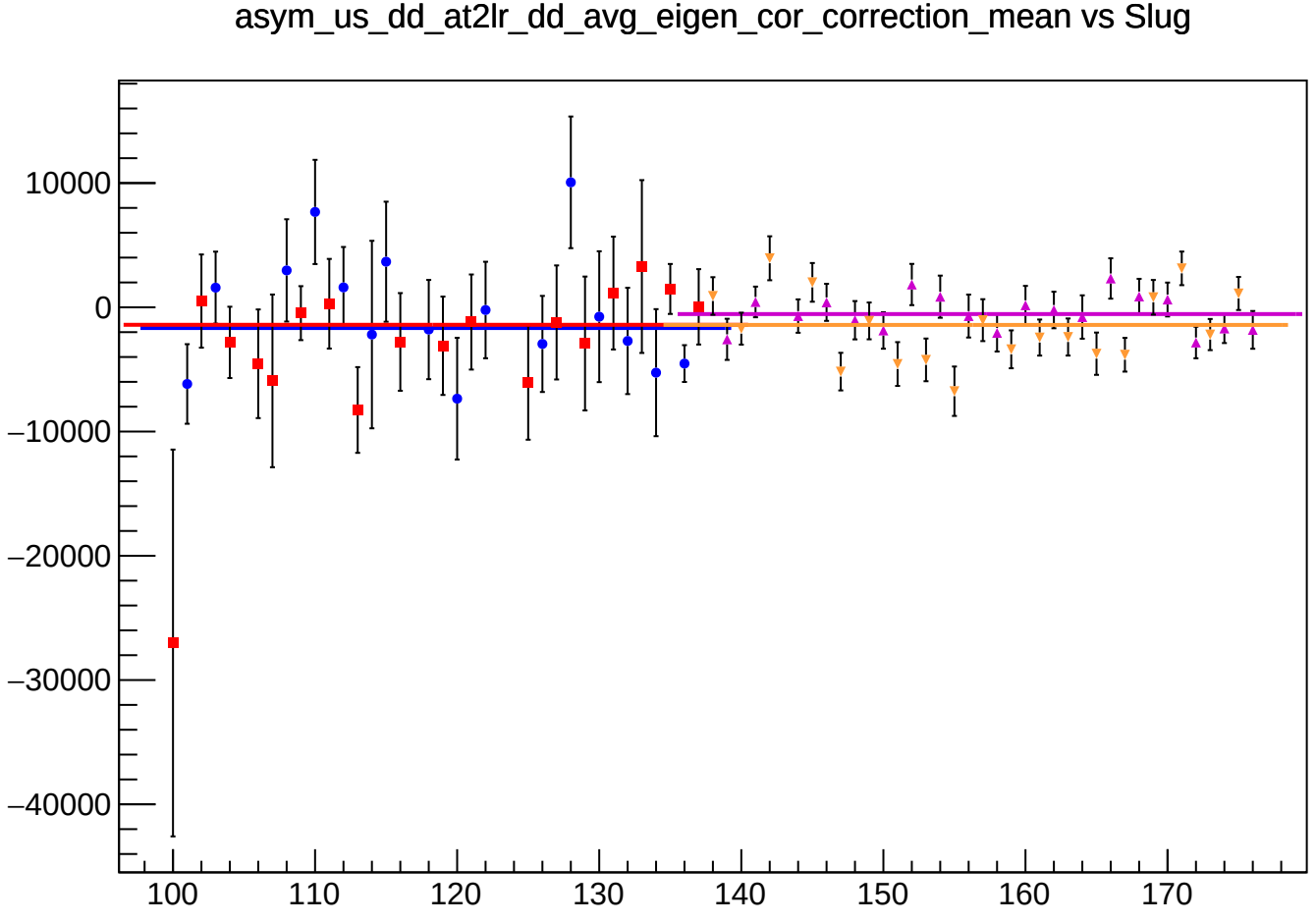
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2158.137+/-0.387 χ^2/NDF:54582.1/18

+ sign 2143.583+/-0.322 χ^2/NDF: 247618.4/34

All: 2140.585+/-0.226 χ^2/NDF: 460260.7/71

- sign 2137.665+/-0.318 χ^2/NDF: 212471.2/36



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1418.462+/-344.289 χ^2/NDF:61.2/18

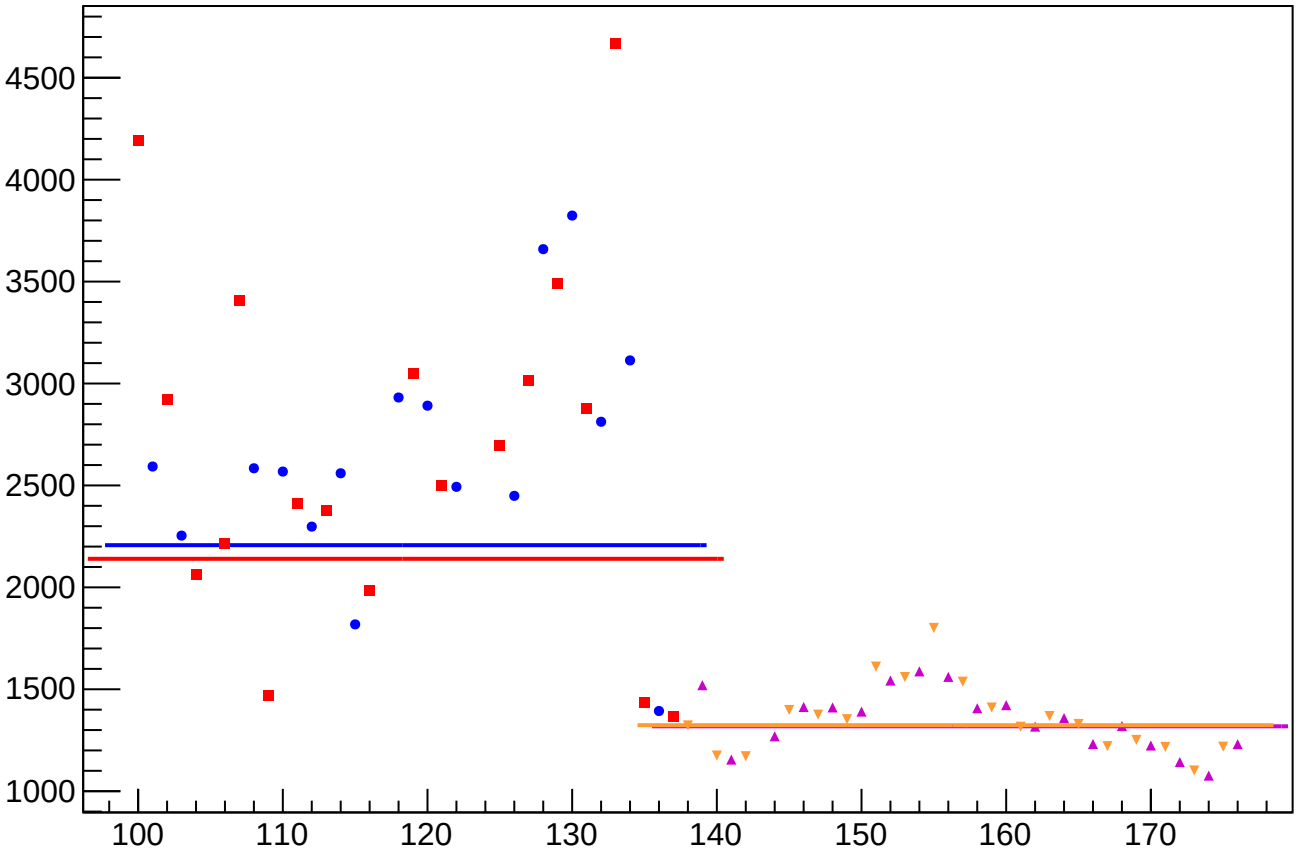
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -543.318+/-337.160 χ^2/NDF:17.3/18

+ sign -1452.851+/-319.736 χ^2/NDF: 83.8/34

All: -1049.112+/-223.762 χ^2/NDF: 118.1/71

- sign -661.570+/-313.257 χ^2/NDF: 31.1/36



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1323.750+/-0.243 χ^2/NDF:400513.7/18

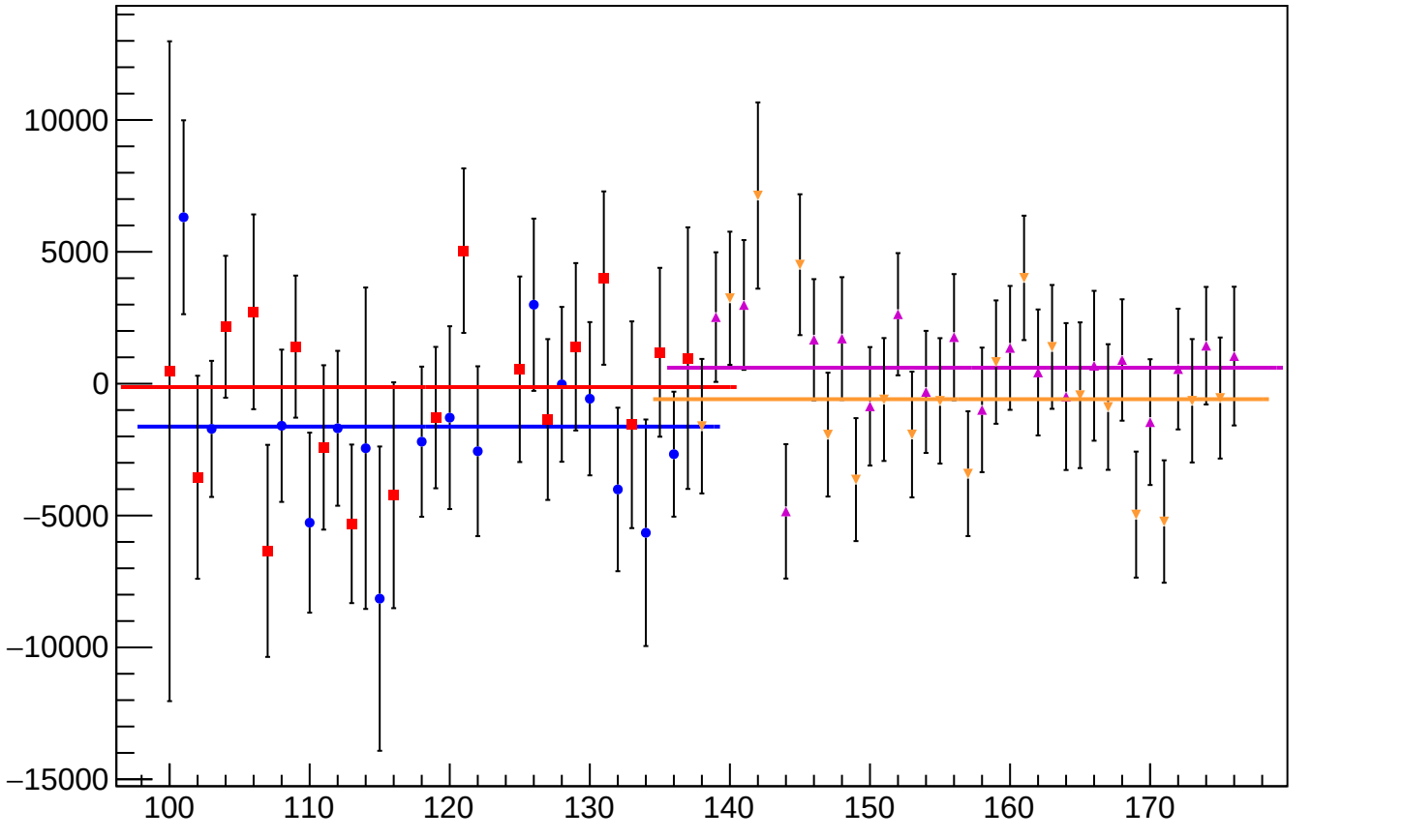
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1318.345+/-0.238 χ^2/NDF:376213.3/18

+ sign 1445.224+/-0.226 χ^2/NDF: 3459678.3/34

All: 1437.826+/-0.158 χ^2/NDF: 6911028.3/71

- sign 1430.725+/-0.222 χ^2/NDF: 3449251.4/36



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -587.876+/-559.353 χ^2/NDF:26.9/18

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

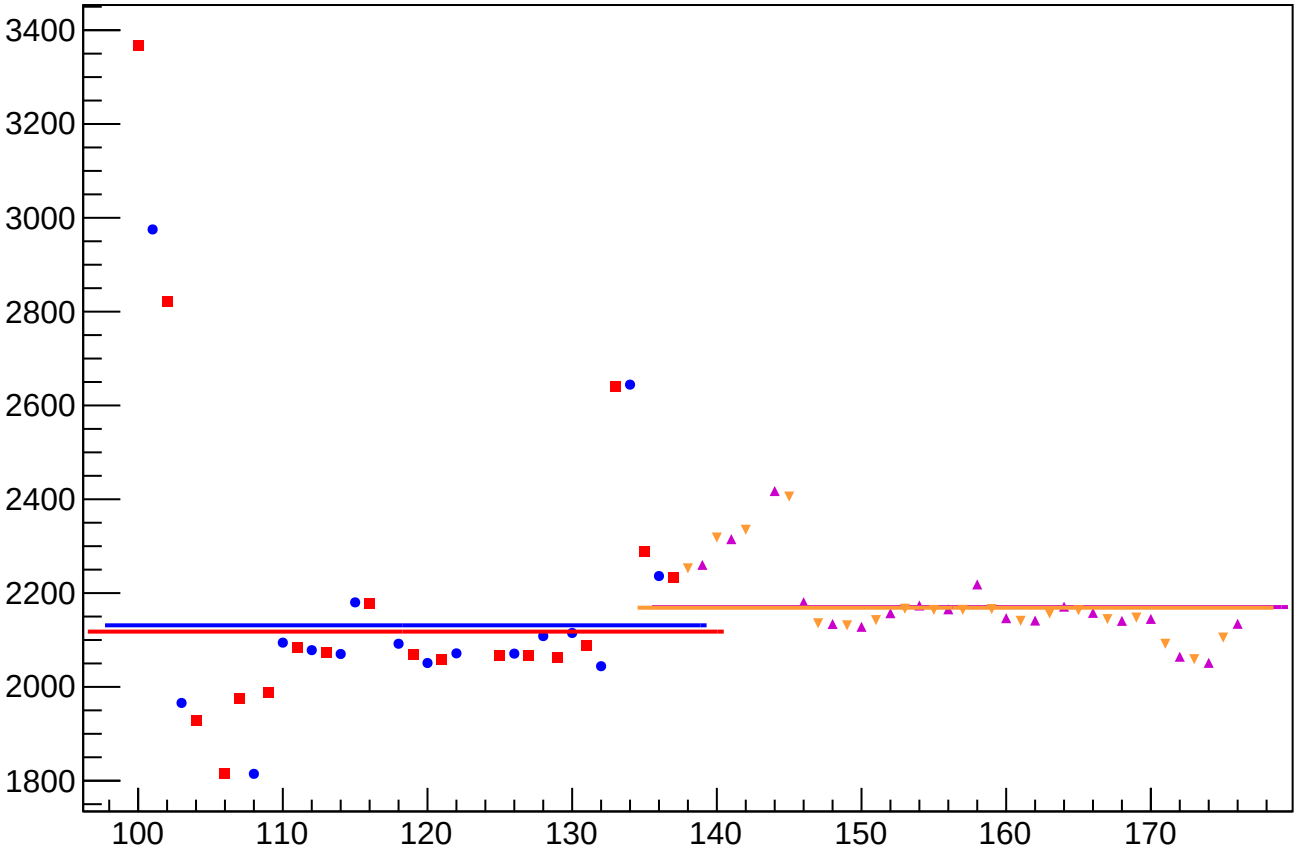
Left In: 605.369+/-550.891 χ^2/NDF:9.8/18

+ sign -930.448+/-458.030 χ^2/NDF: 39.4/34

All: -274.115+/-322.072 χ^2/NDF: 68.4/71

- sign 367.793+/-452.969 χ^2/NDF: 24.9/36

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2168.859+/-0.396 χ^2/NDF:39394.3/18

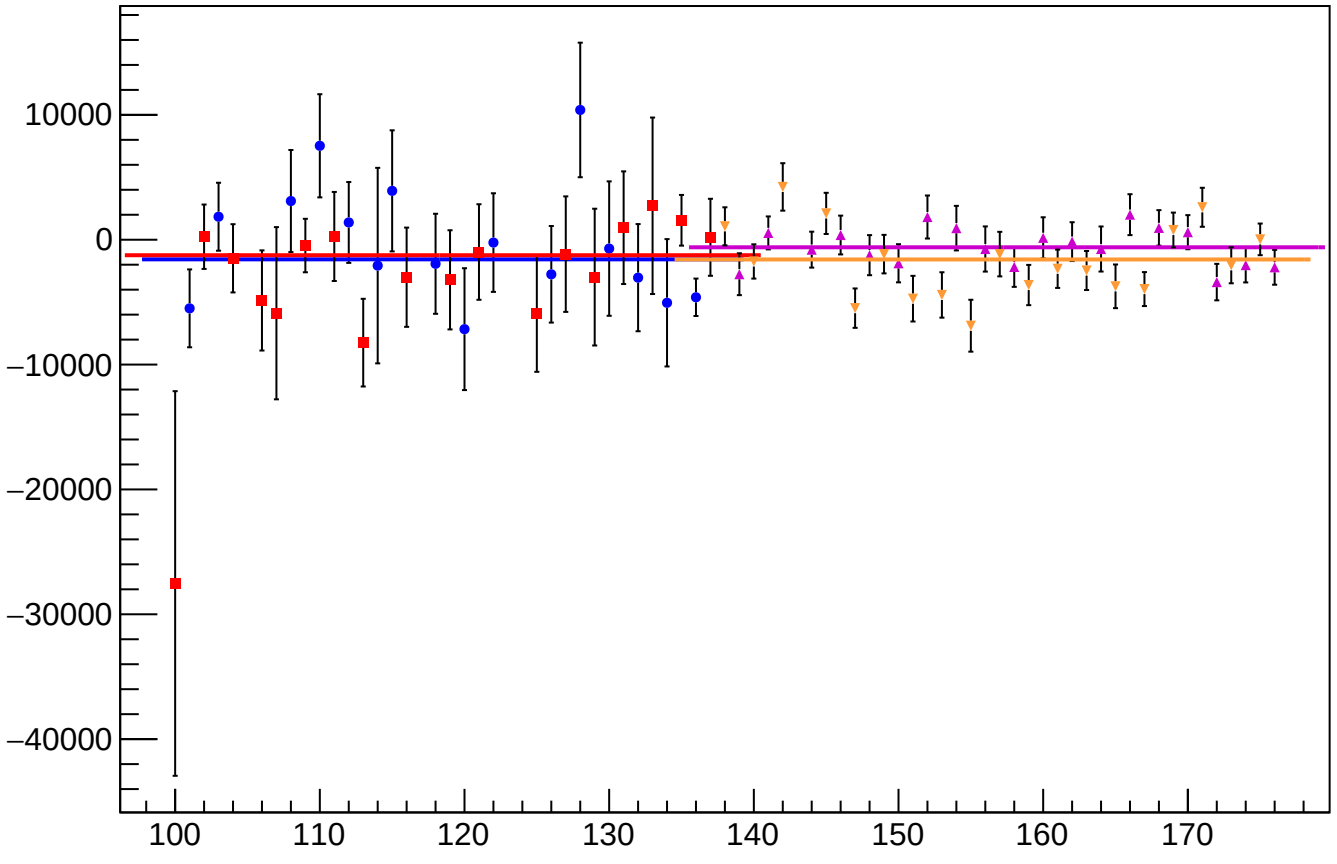
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2170.212+/-0.390 χ^2/NDF:42013.4/18

+ sign 2156.484+/-0.324 χ^2/NDF: 218309.0/34

All: 2154.853+/-0.228 χ^2/NDF: 429844.0/71

- sign 2153.257+/-0.320 χ^2/NDF: 211484.8/36



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1581.536+/-360.638 χ^2/NDF:54.0/18

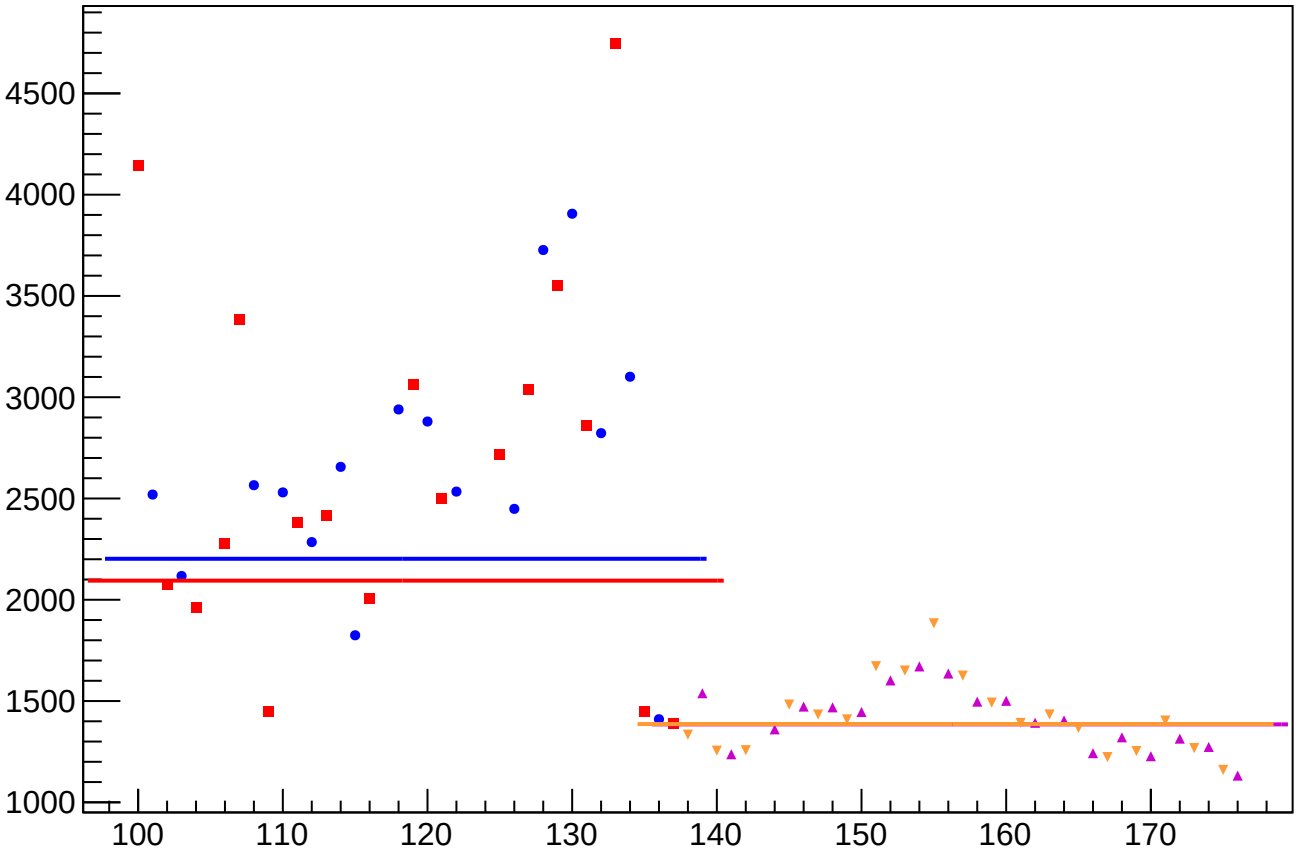
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -605.918+/-353.797 χ^2/NDF:18.2/18

+ sign -1579.971+/-332.565 χ^2/NDF: 76.6/34

All: -1132.526+/-232.378 χ^2/NDF: 112.0/71

- sign -705.636+/-324.836 χ^2/NDF: 31.8/36



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1386.371+/-0.255 χ^2/NDF:415842.9/18

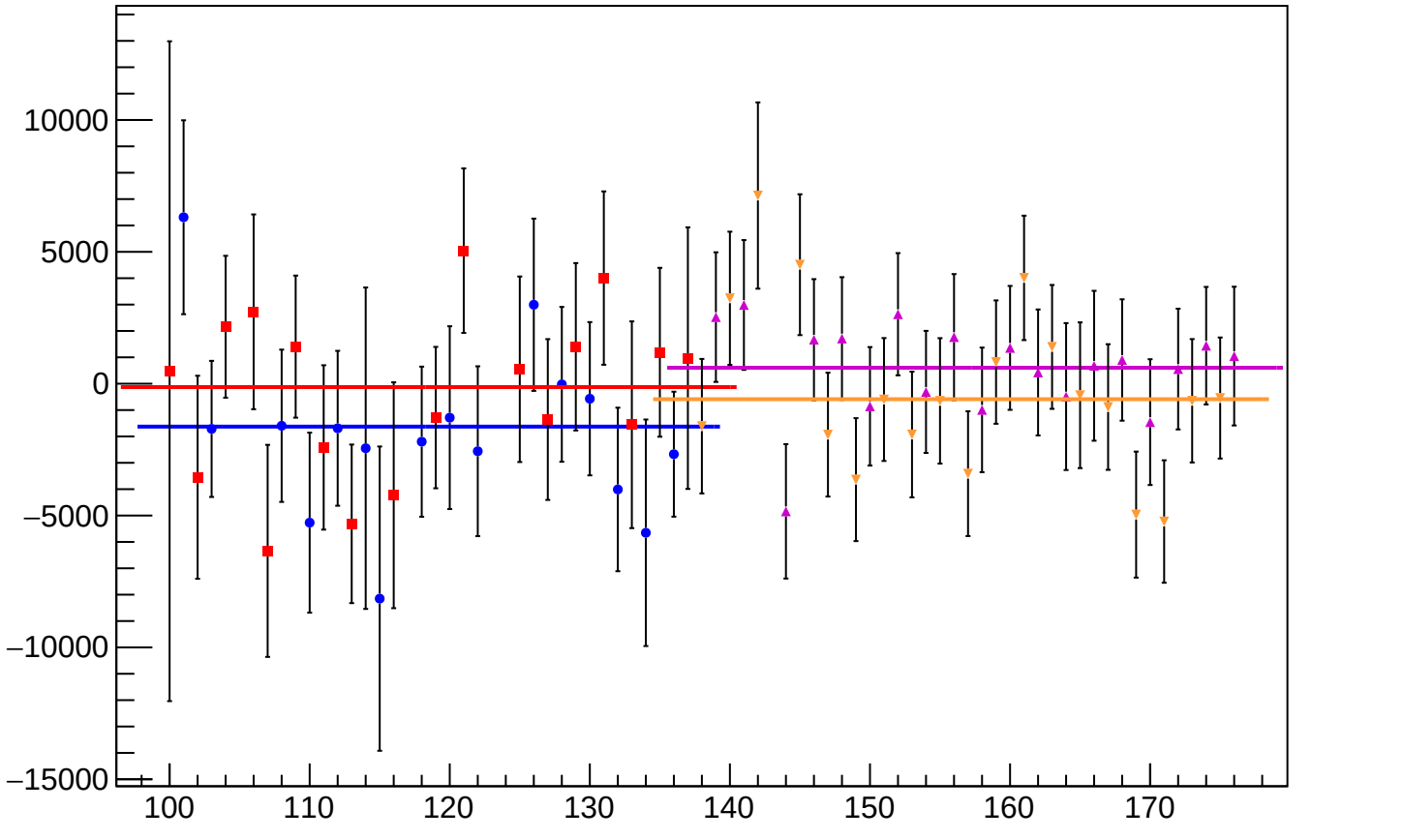
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1384.802+/-0.250 χ^2/NDF:328155.6/18

+ sign 1508.466+/-0.235 χ^2/NDF: 3170884.7/34

All: 1502.202+/-0.164 χ^2/NDF: 6137504.3/71

- sign 1496.226+/-0.230 χ^2/NDF: 2965233.1/36



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -587.873+/-559.353 χ^2/NDF:26.9/18

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

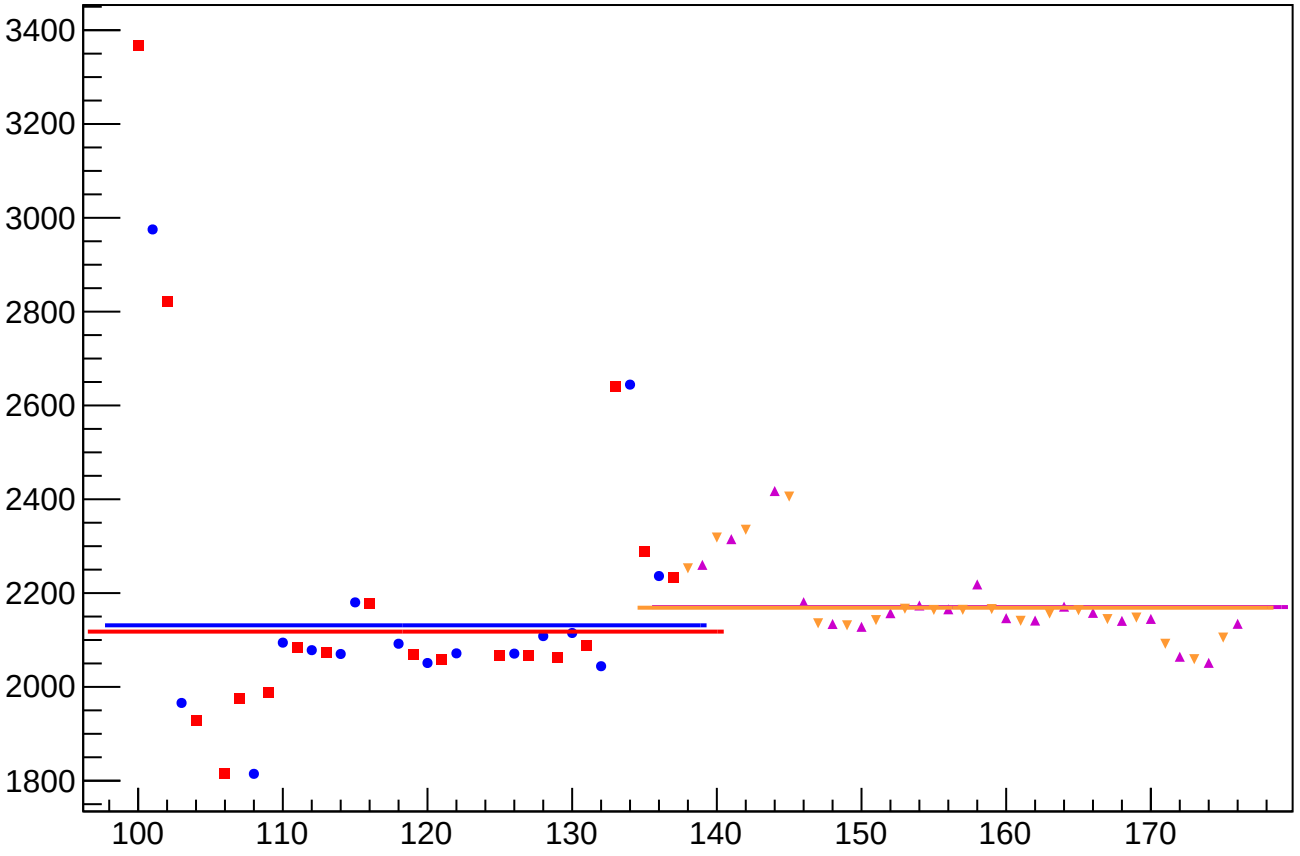
Left In: 605.369+/-550.891 χ^2/NDF:9.8/18

+ sign -930.447+/-458.030 χ^2/NDF: 39.4/34

All: -274.113+/-322.072 χ^2/NDF: 68.4/71

- sign 367.795+/-452.969 χ^2/NDF: 24.9/36

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: 2168.859+/-0.396 χ^2/NDF:39394.5/18

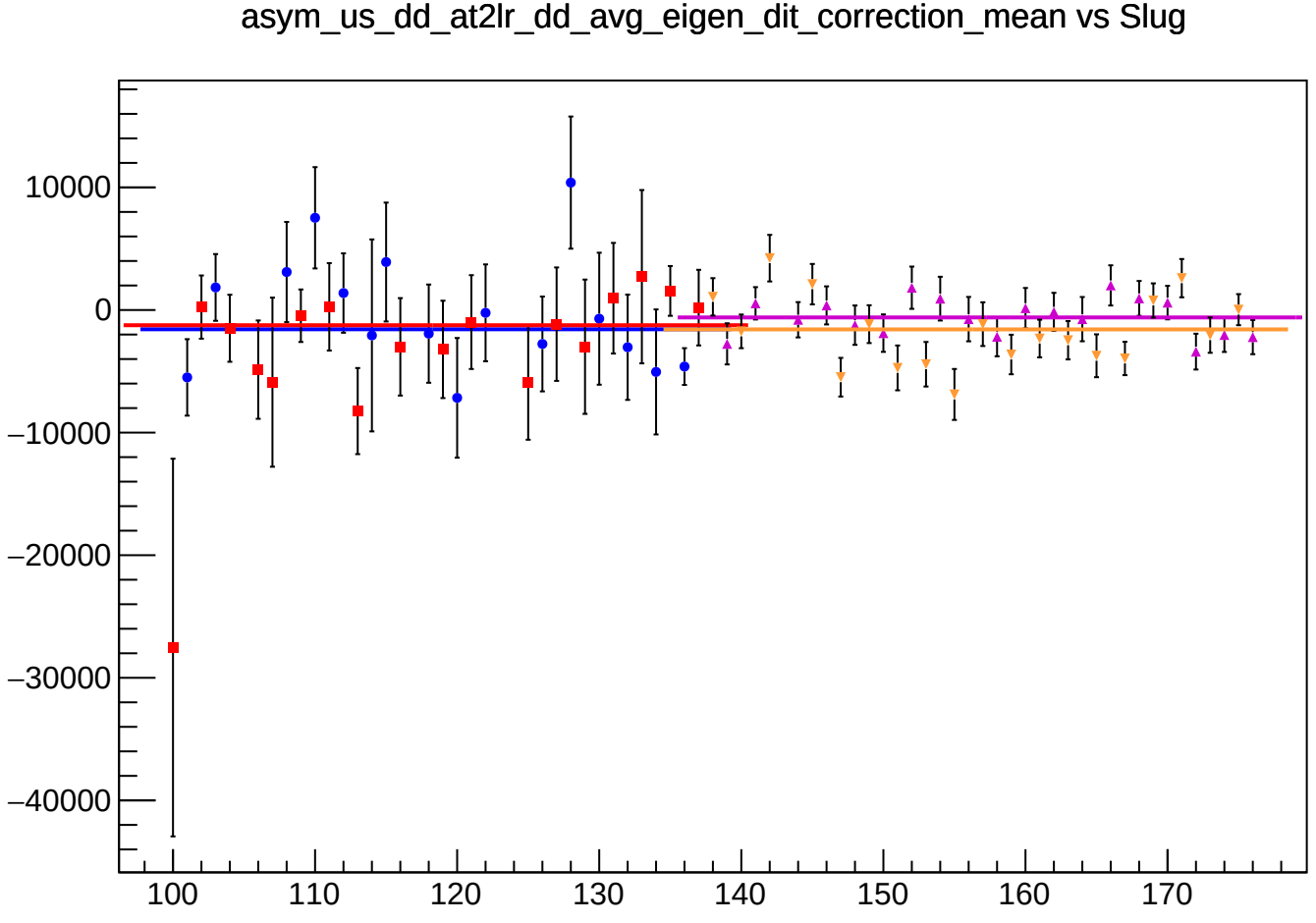
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2170.212+/-0.390 χ^2/NDF:42013.6/18

+ sign 2156.484+/-0.324 χ^2/NDF: 218309.2/34

All: 2154.852+/-0.228 χ^2/NDF: 429844.2/71

- sign 2153.257+/-0.320 χ^2/NDF: 211484.9/36



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1581.539+/-360.638 χ^2/NDF:54.0/18

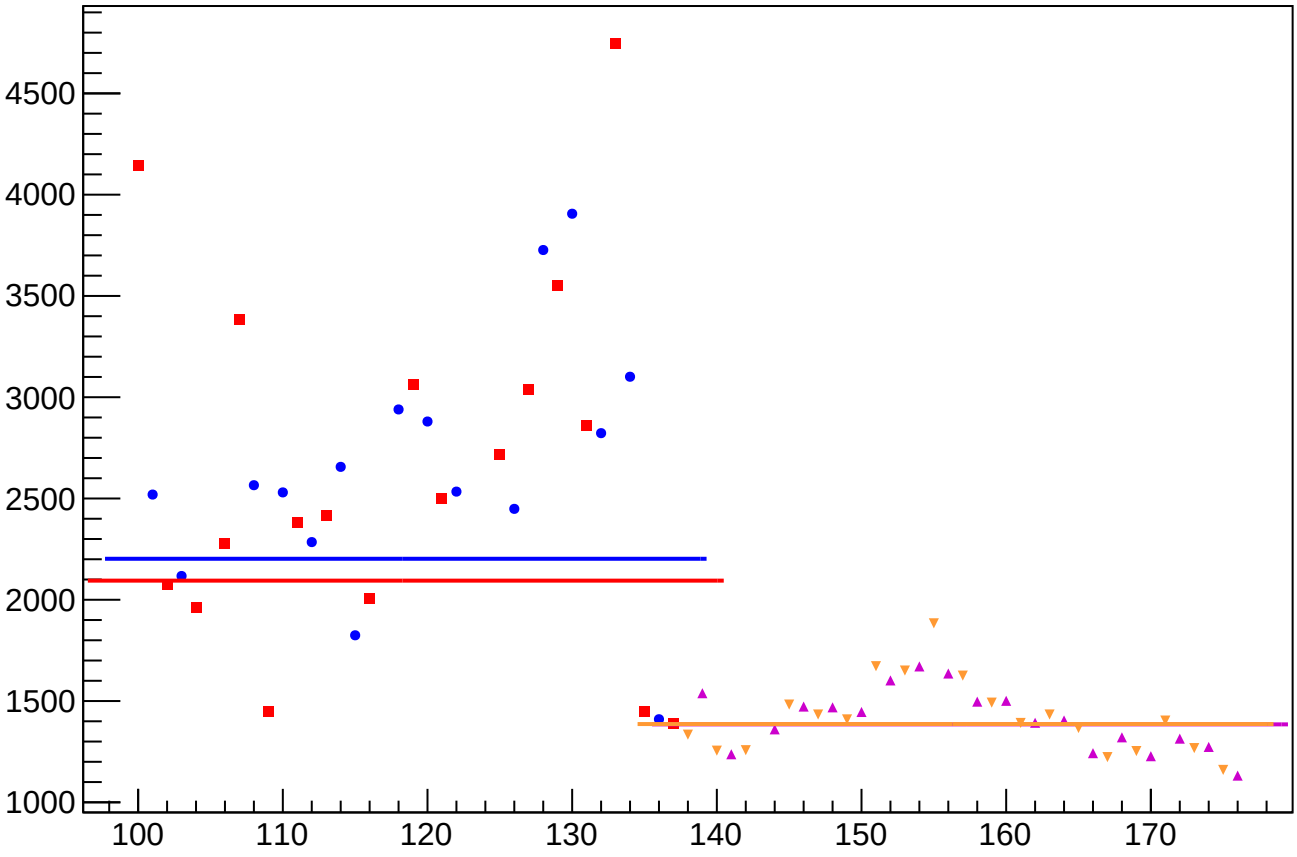
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -605.914+/-353.797 χ^2/NDF:18.2/18

+ sign -1579.971+/-332.565 χ^2/NDF: 76.6/34

All: -1132.525+/-232.378 χ^2/NDF: 112.0/71

- sign -705.635+/-324.836 χ^2/NDF: 31.8/36



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1386.372+/-0.255 χ^2/NDF:415838.2/18

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

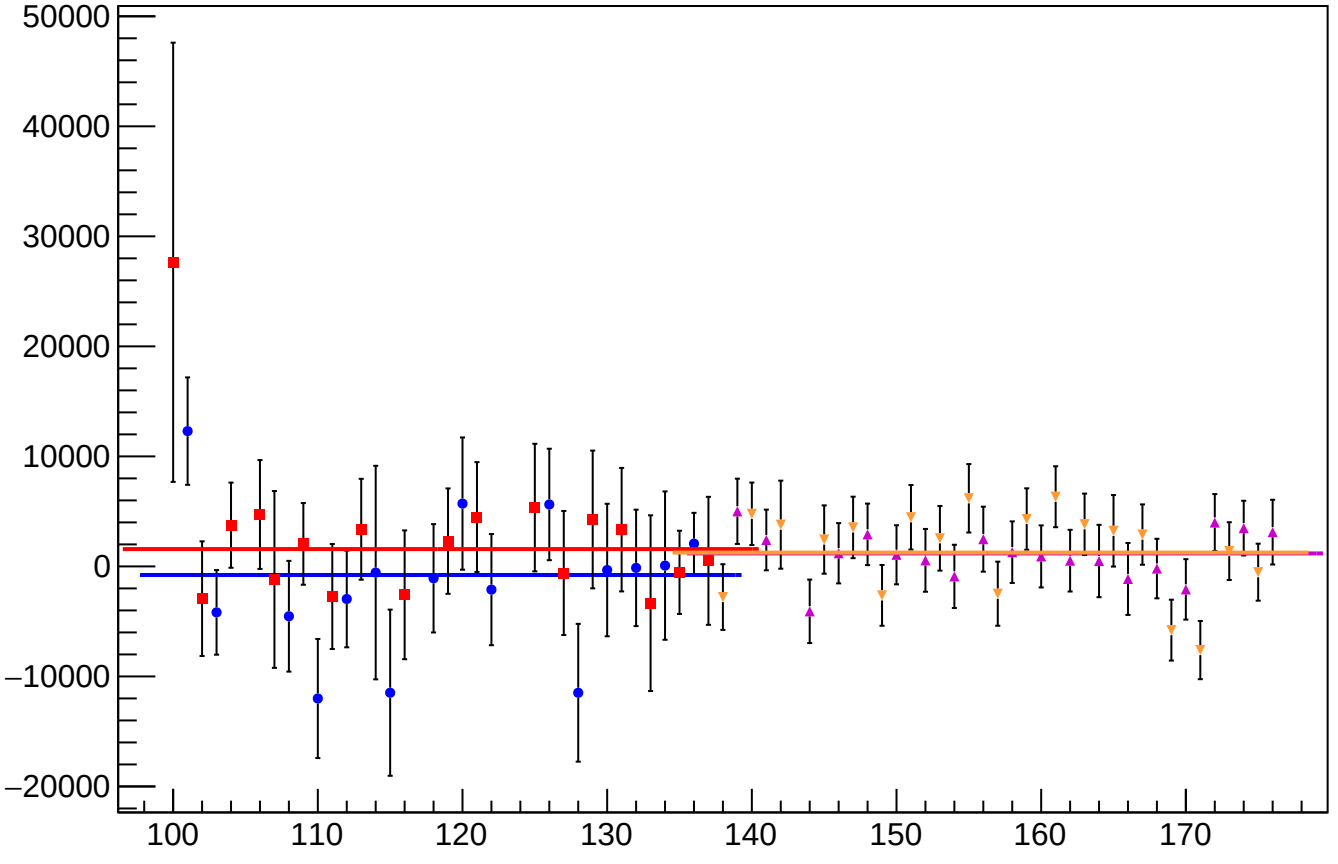
Left In: 1384.801+/-0.250 χ^2/NDF:328160.9/18

+ sign 1508.468+/-0.235 χ^2/NDF: 3170855.9/34

All: 1502.203+/-0.164 χ^2/NDF: 6137472.1/71

- sign 1496.226+/-0.230 χ^2/NDF: 2965229.4/36

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1256.640+/-659.660 χ^2/NDF:36.5/18

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

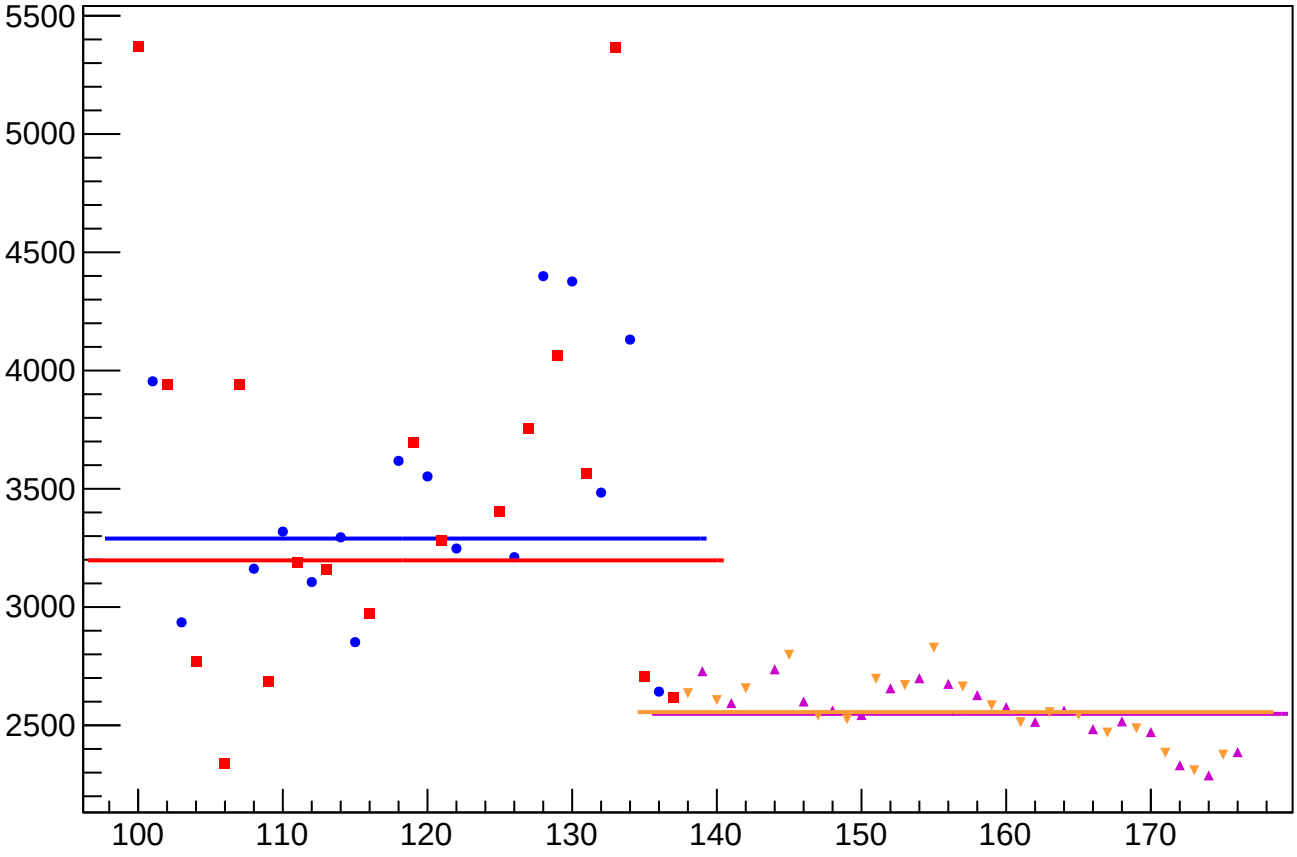
Left In: 1180.491+/-647.381 χ^2/NDF:11.1/18

+ sign 808.004+/-582.556 χ^2/NDF: 60.4/34

All: 1041.907+/-408.055 χ^2/NDF: 78.7/71

- sign 1267.213+/-571.749 χ^2/NDF: 17.9/36

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2556.007+/-0.466 χ^2/NDF:81107.5/18

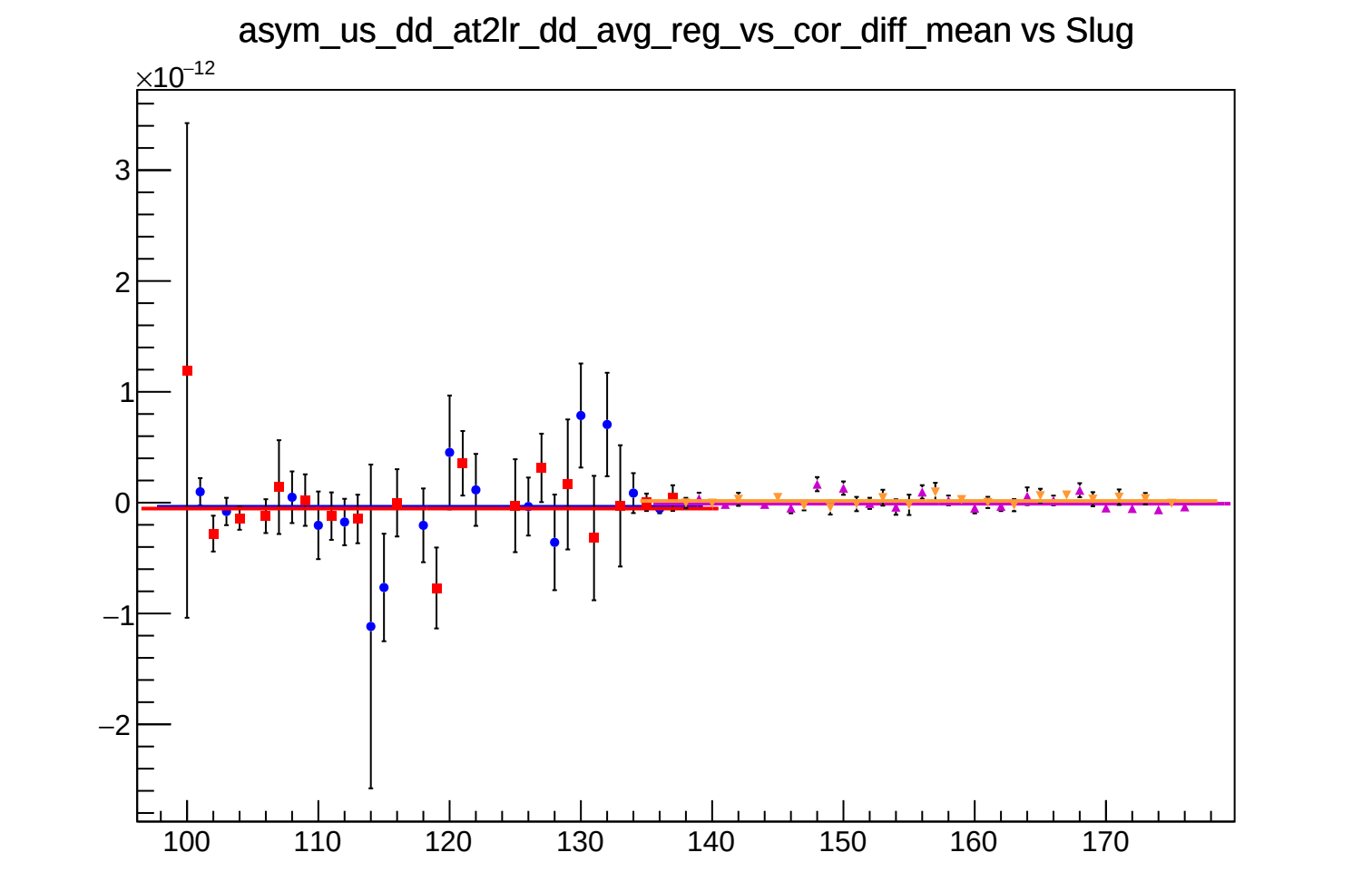
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

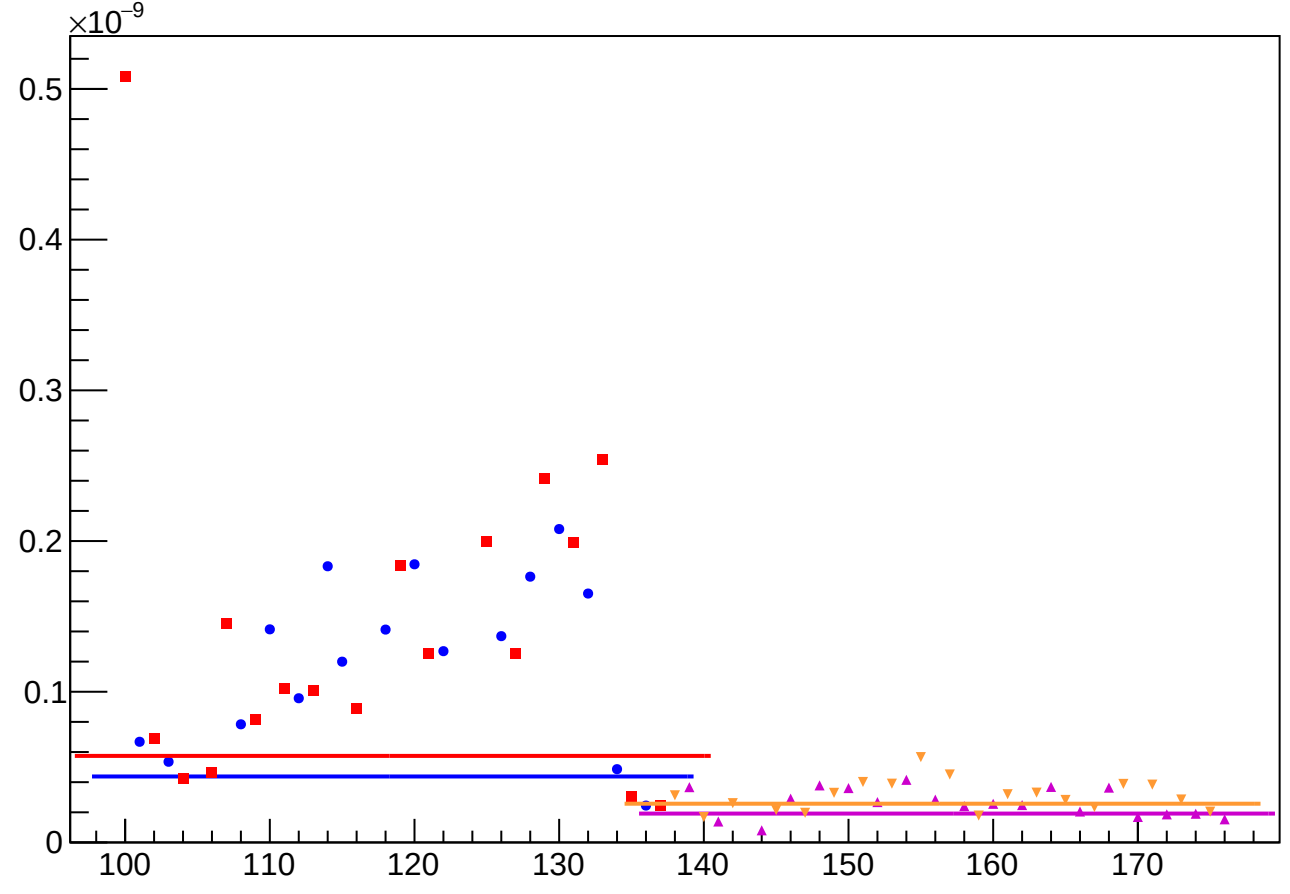
Left In: 2548.572+/-0.458 χ^2/NDF:76164.5/18

+ sign 2717.496+/-0.412 χ^2/NDF: 973255.4/34

All: 2704.160+/-0.289 χ^2/NDF: 1993367.1/71

- sign 2691.315+/-0.404 χ^2/NDF: 1018054.0/36


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:8.7/18
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:29.5/18
+ sign 0.000+/-0.000 χ²/NDF: 24.0/34
All: -0.000+/-0.000 χ²/NDF: 69.6/71
- sign -0.000+/-0.000 χ²/NDF: 43.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1183708.7/18

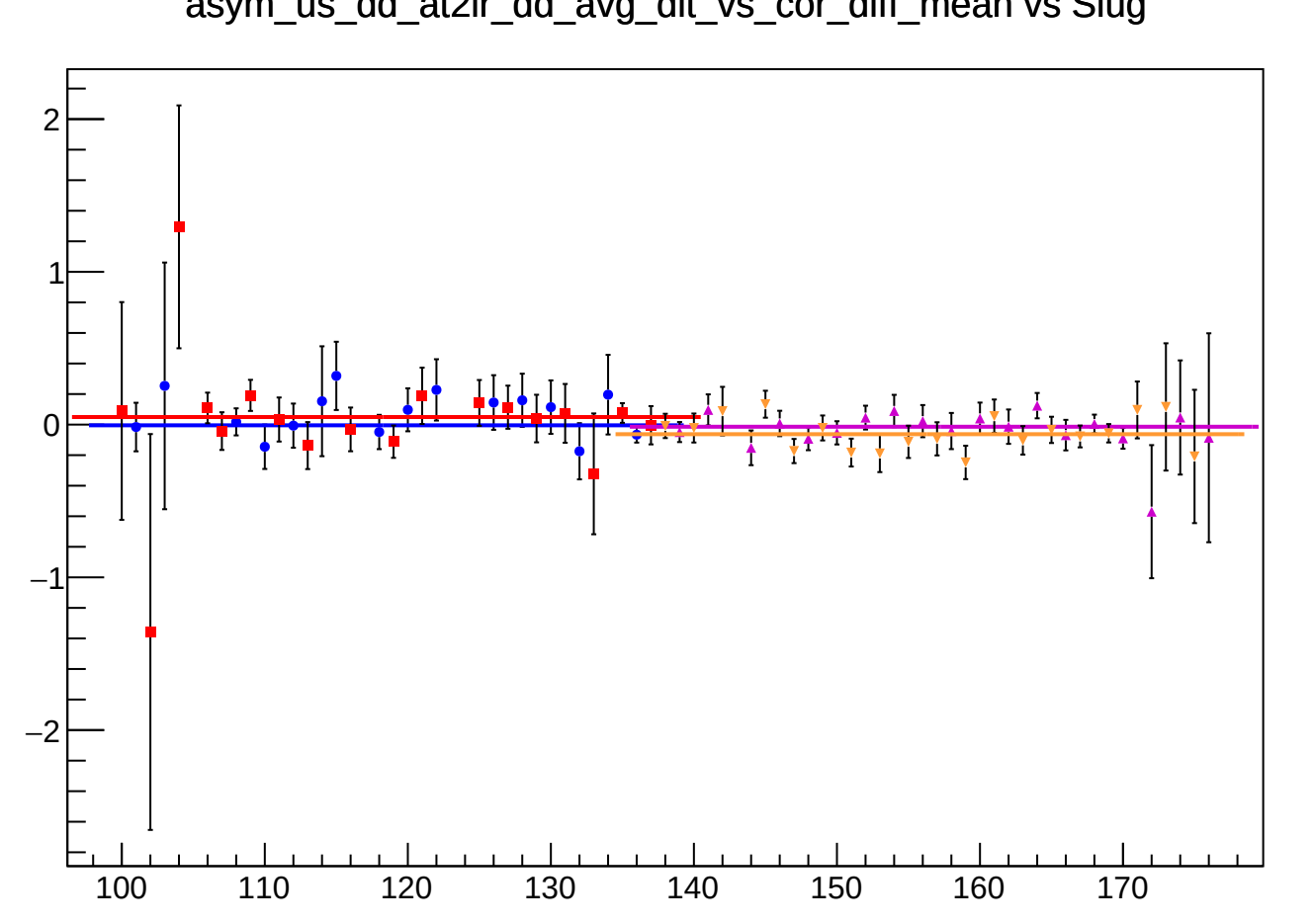
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2135787.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 3914120.0/34

All: 0.000+/-0.000 χ^2/NDF: 10089123.6/71

- sign 0.000+/-0.000 χ^2/NDF: 5715012.1/36



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:17.2/18

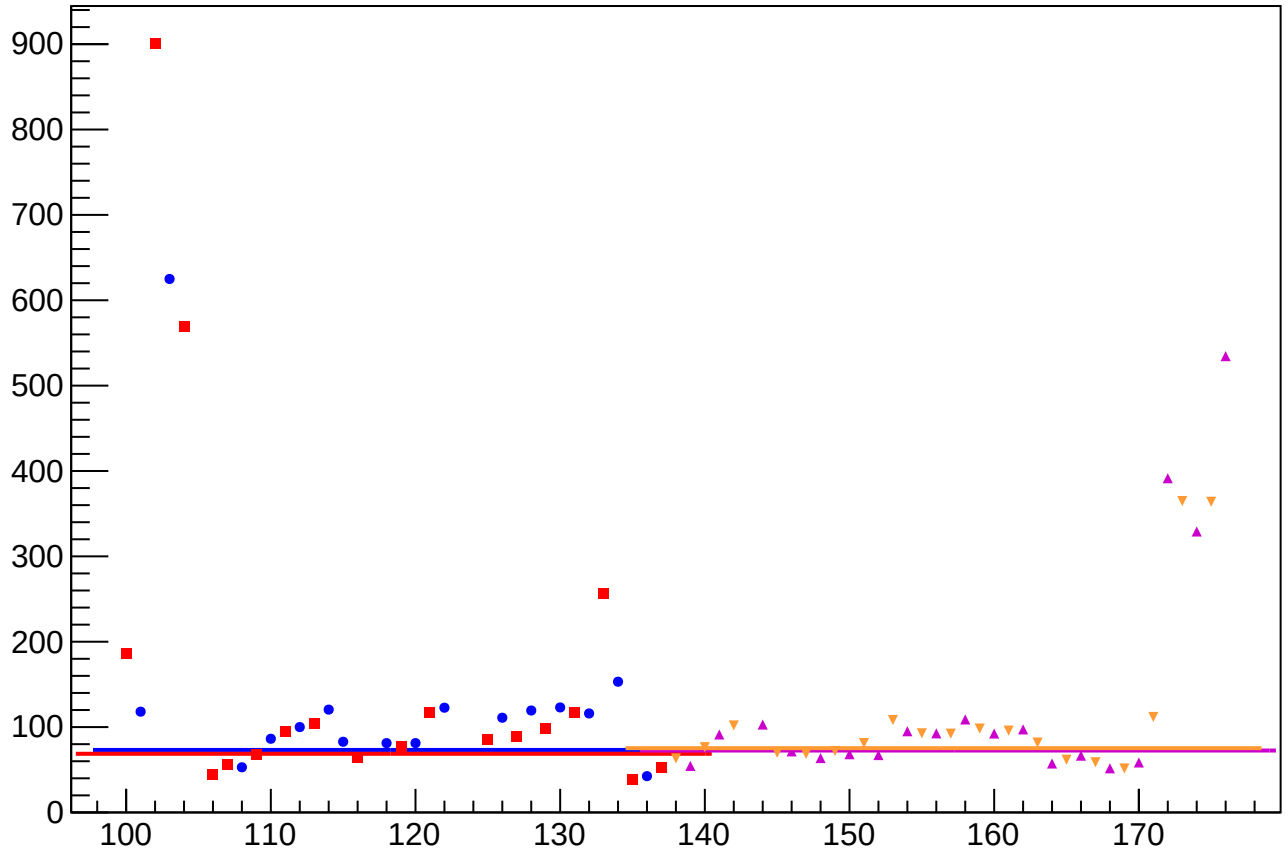
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:12.4/18

+ sign -0.044+/-0.018 χ^2/NDF: 29.7/34

All: -0.018+/-0.013 χ^2/NDF: 61.8/71

- sign 0.006+/-0.018 χ^2/NDF: 28.3/36



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.311+/-0.016 χ^2/NDF:2938294.7/18

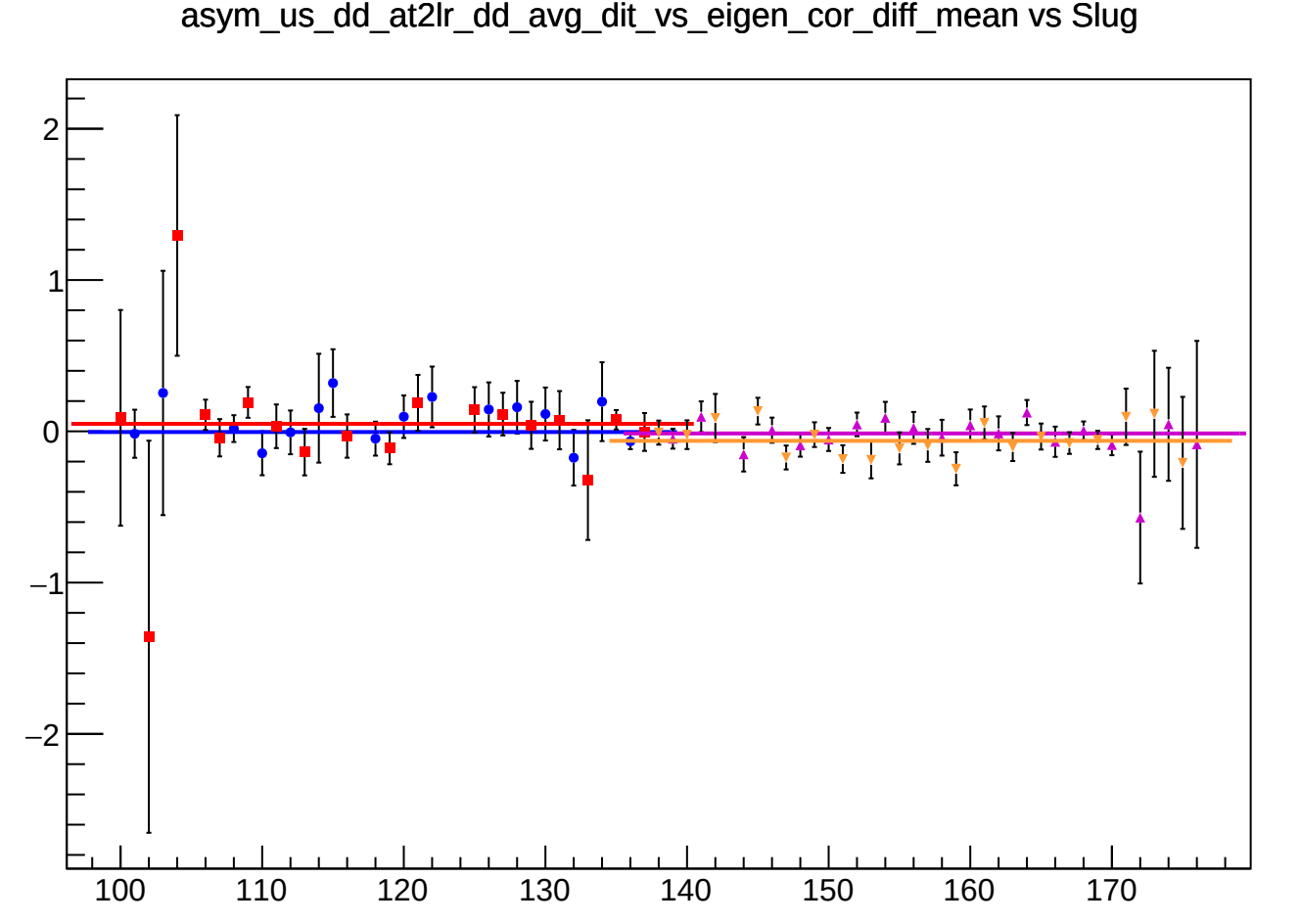
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.548+/-0.015 χ^2/NDF:4249015.2/18

+ sign 74.645+/-0.013 χ^2/NDF: 5798536.2/34

All: 72.945+/-0.009 χ^2/NDF: 13432890.7/71

- sign 71.367+/-0.012 χ^2/NDF: 7600923.7/36



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:17.2/18

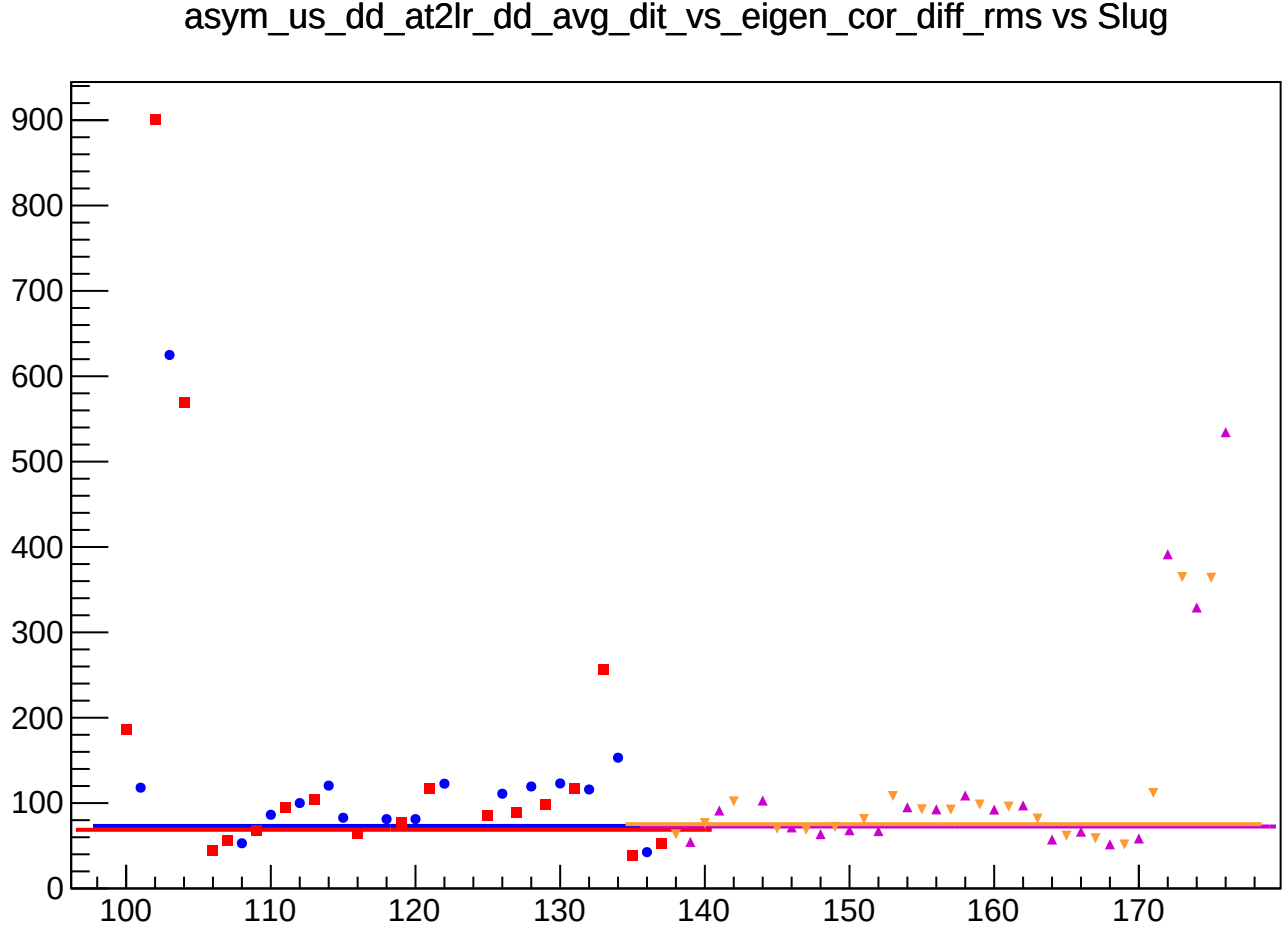
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:12.4/18

+ sign -0.044+/-0.018 χ^2/NDF: 29.7/34

All: -0.018+/-0.013 χ^2/NDF: 61.8/71

- sign 0.006+/-0.018 χ^2/NDF: 28.3/36



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.311+/-0.016 χ^2/NDF:2938294.7/18

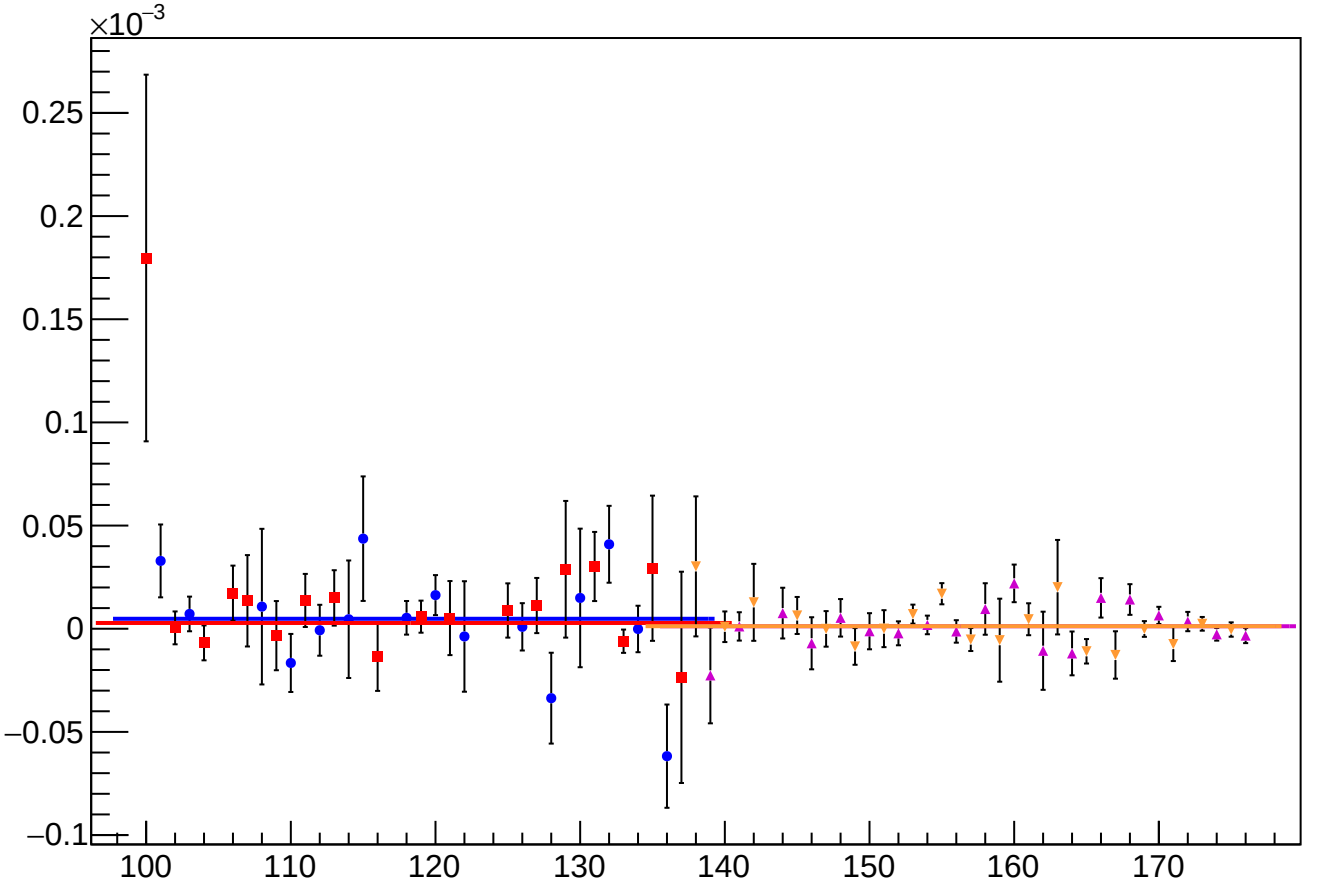
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.548+/-0.015 χ^2/NDF:4249015.2/18

+ sign 74.645+/-0.013 χ^2/NDF: 5798536.2/34

All: 72.945+/-0.009 χ^2/NDF: 13432890.7/71

- sign 71.367+/-0.012 χ^2/NDF: 7600923.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.3/18

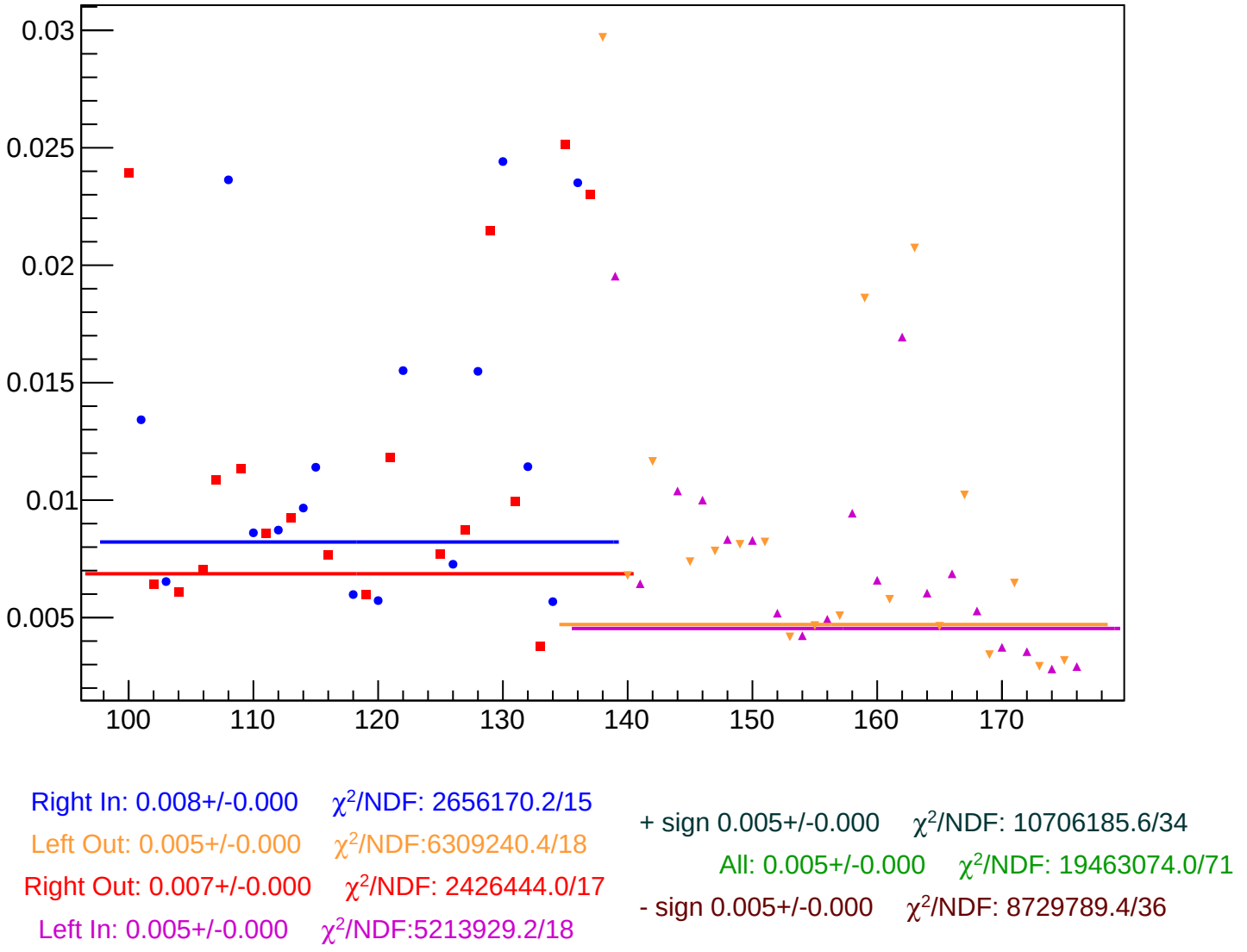
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

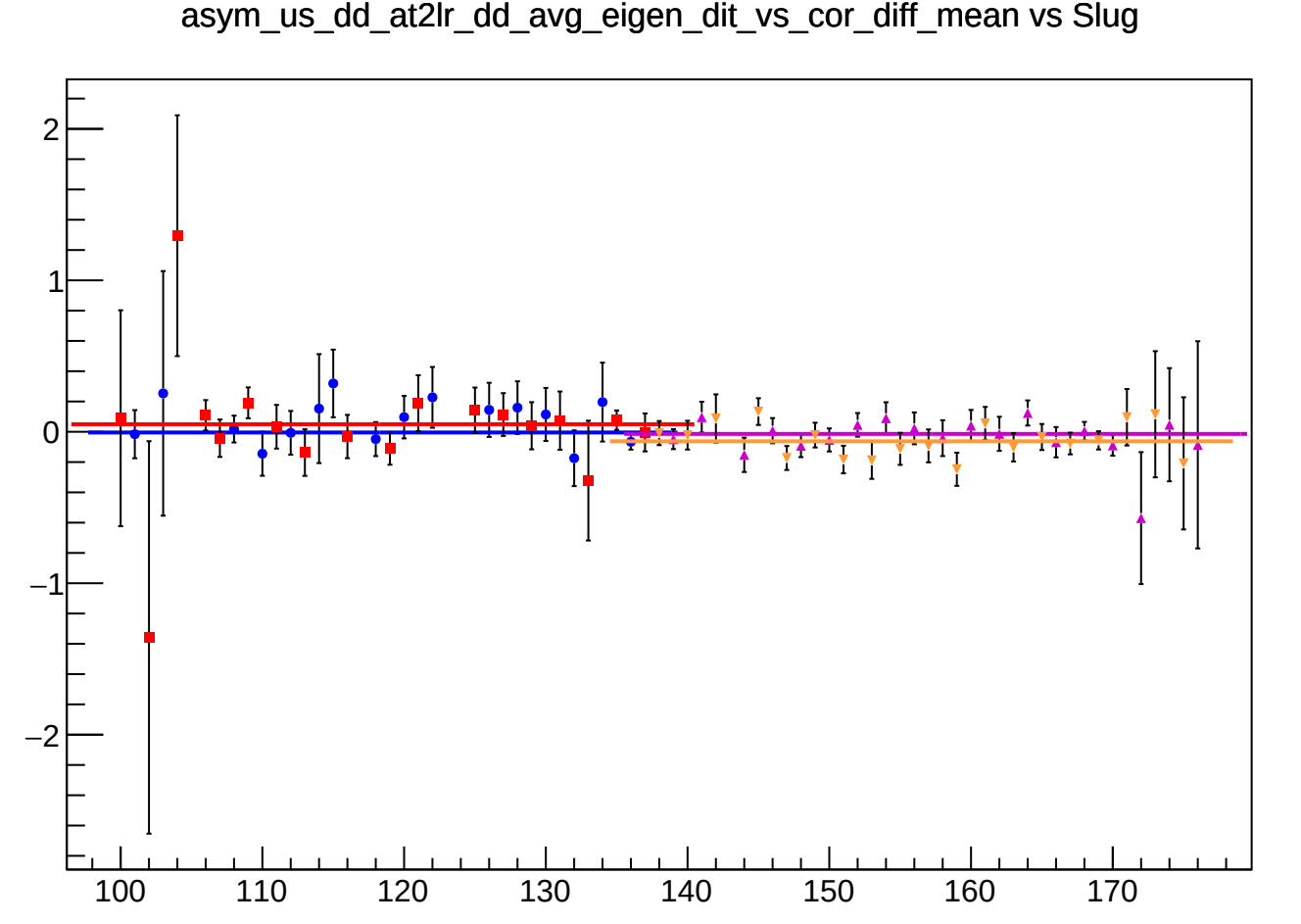
Left In: 0.000+/-0.000 χ^2/NDF:20.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 46.8/34

All: 0.000+/-0.000 χ^2/NDF: 84.2/71

- sign 0.000+/-0.000 χ^2/NDF: 37.3/36


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.008+/-0.000 χ²/NDF: 2656170.2/15
Left Out: 0.005+/-0.000 χ²/NDF:6309240.4/18
Right Out: 0.007+/-0.000 χ²/NDF: 2426444.0/17
Left In: 0.005+/-0.000 χ²/NDF:5213929.2/18
+ sign 0.005+/-0.000 χ²/NDF: 10706185.6/34
All: 0.005+/-0.000 χ²/NDF: 19463074.0/71
- sign 0.005+/-0.000 χ²/NDF: 8729789.4/36



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:17.2/18

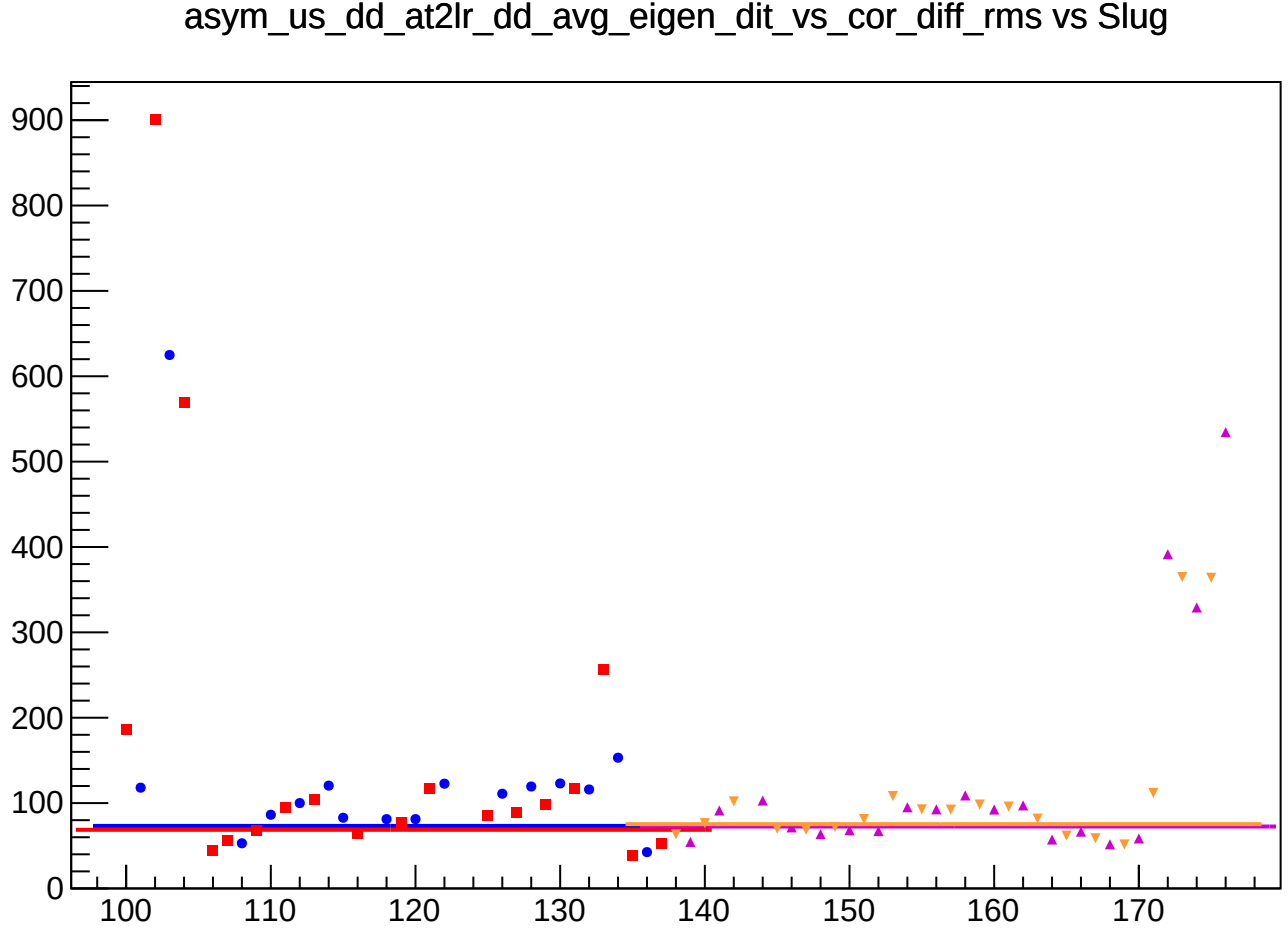
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:12.4/18

+ sign -0.044+/-0.018 χ^2/NDF: 29.7/34

All: -0.018+/-0.013 χ^2/NDF: 61.8/71

- sign 0.006+/-0.018 χ^2/NDF: 28.3/36



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.311+/-0.016 χ^2/NDF:2938211.5/18

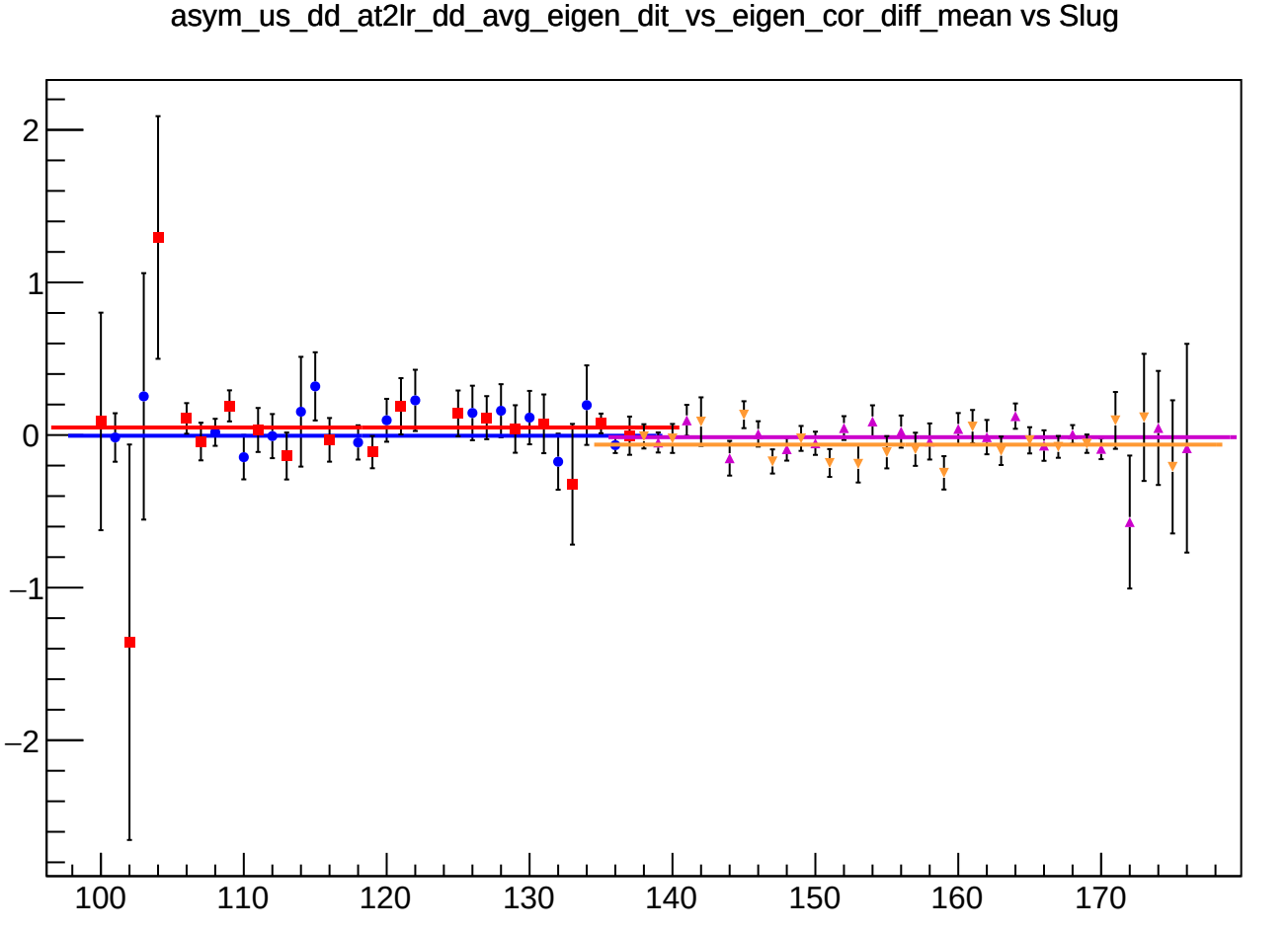
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.549+/-0.015 χ^2/NDF:4248748.4/18

+ sign 74.653+/-0.013 χ^2/NDF: 5796020.1/34

All: 72.948+/-0.009 χ^2/NDF: 13431460.8/71

- sign 71.364+/-0.012 χ^2/NDF: 7601790.7/36



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:17.2/18

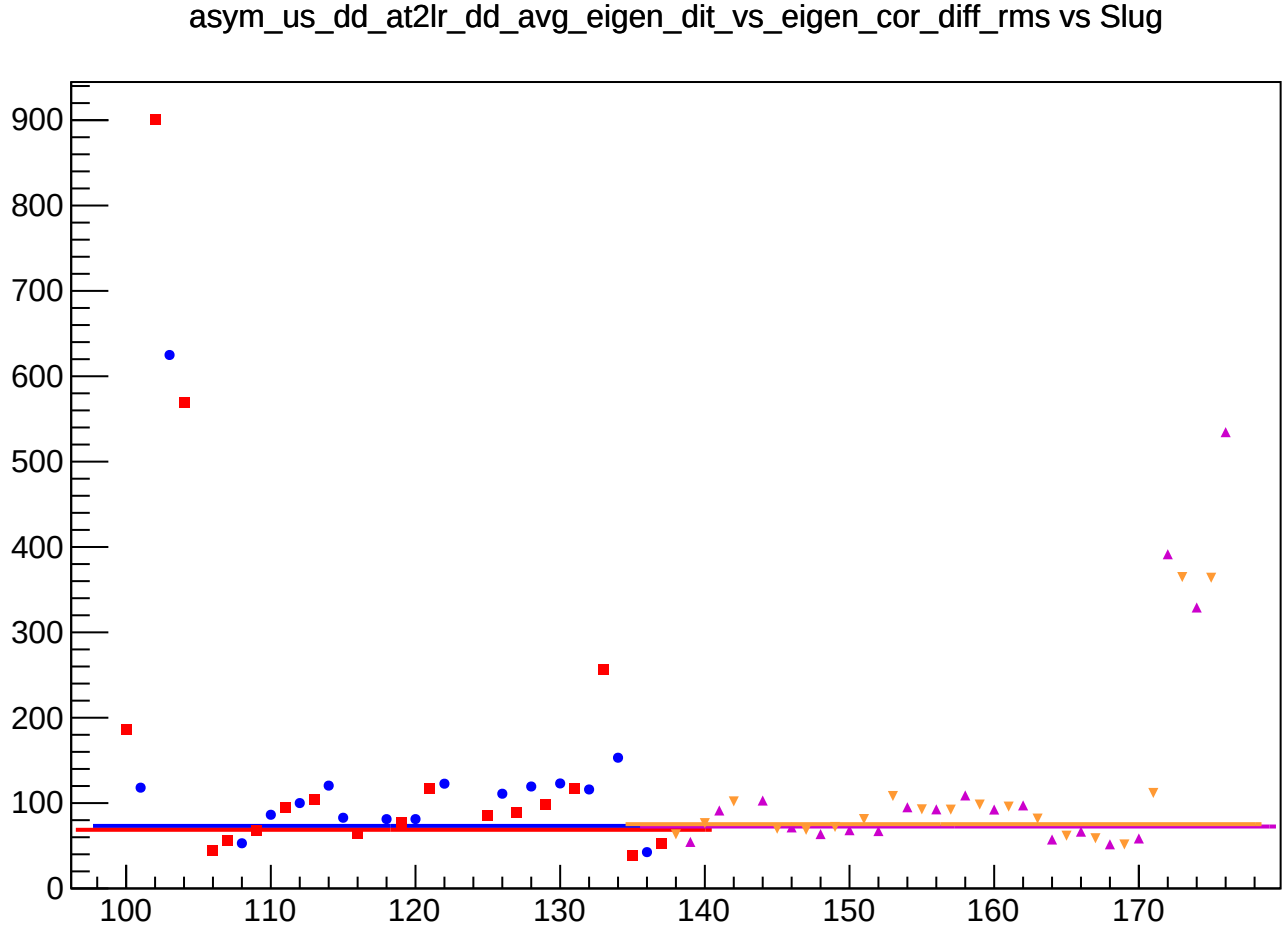
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:12.4/18

+ sign -0.044+/-0.018 χ^2/NDF: 29.7/34

All: -0.018+/-0.013 χ^2/NDF: 61.8/71

- sign 0.006+/-0.018 χ^2/NDF: 28.3/36



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.311+/-0.016 χ^2/NDF:2938211.5/18

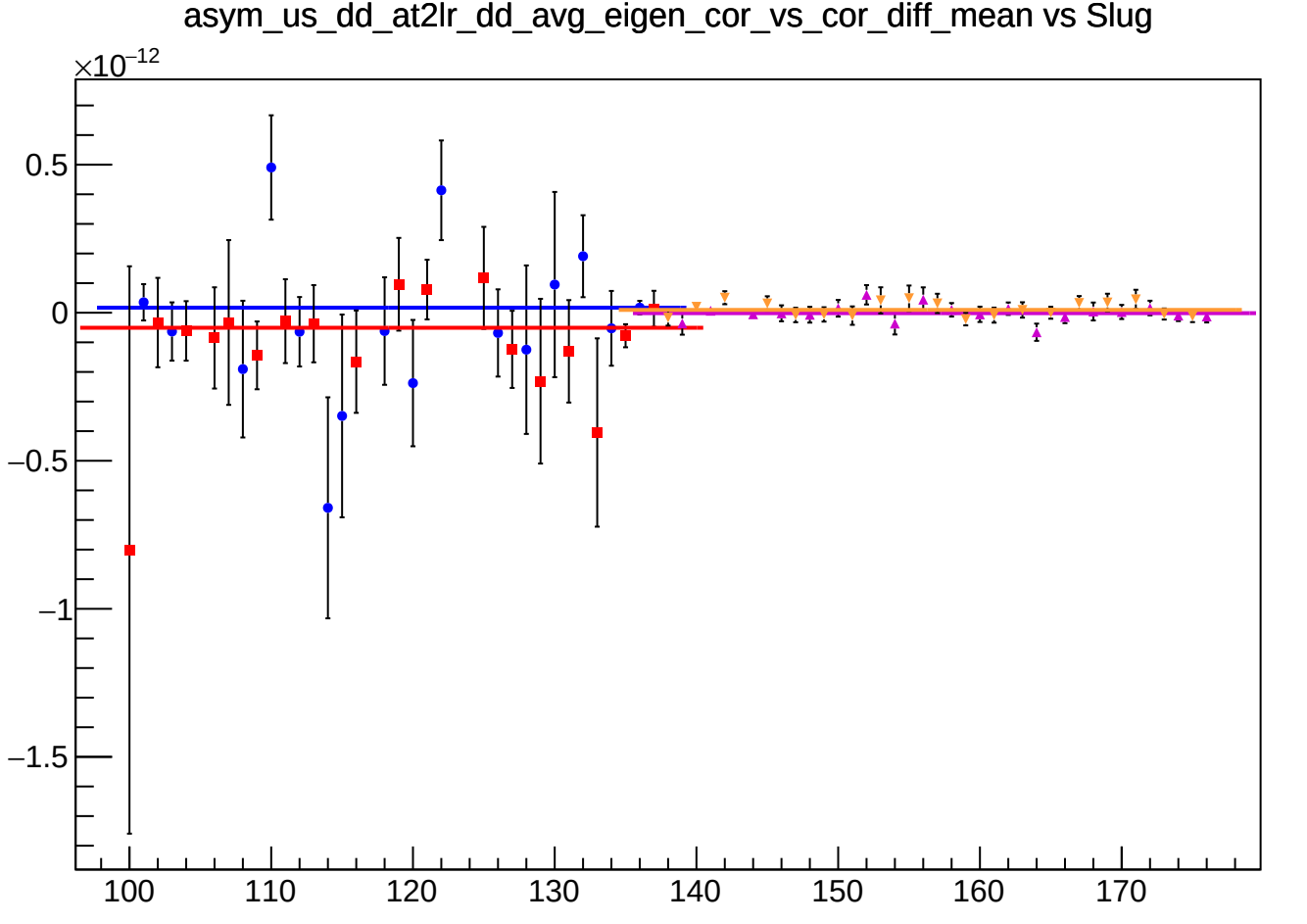
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.549+/-0.015 χ^2/NDF:4248748.4/18

+ sign 74.653+/-0.013 χ^2/NDF: 5796020.1/34

All: 72.948+/-0.009 χ^2/NDF: 13431460.8/71

- sign 71.364+/-0.012 χ^2/NDF: 7601790.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/18

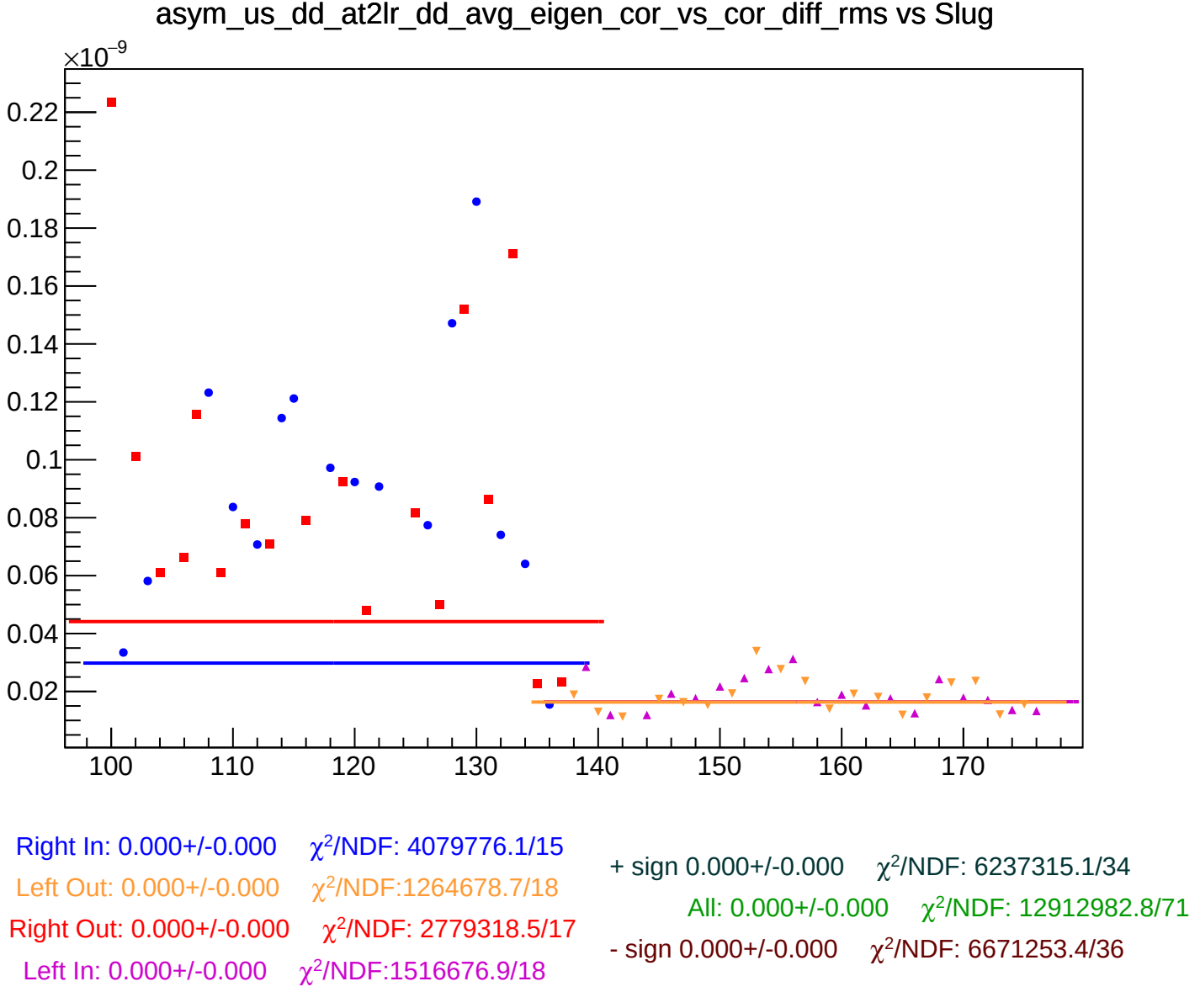
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

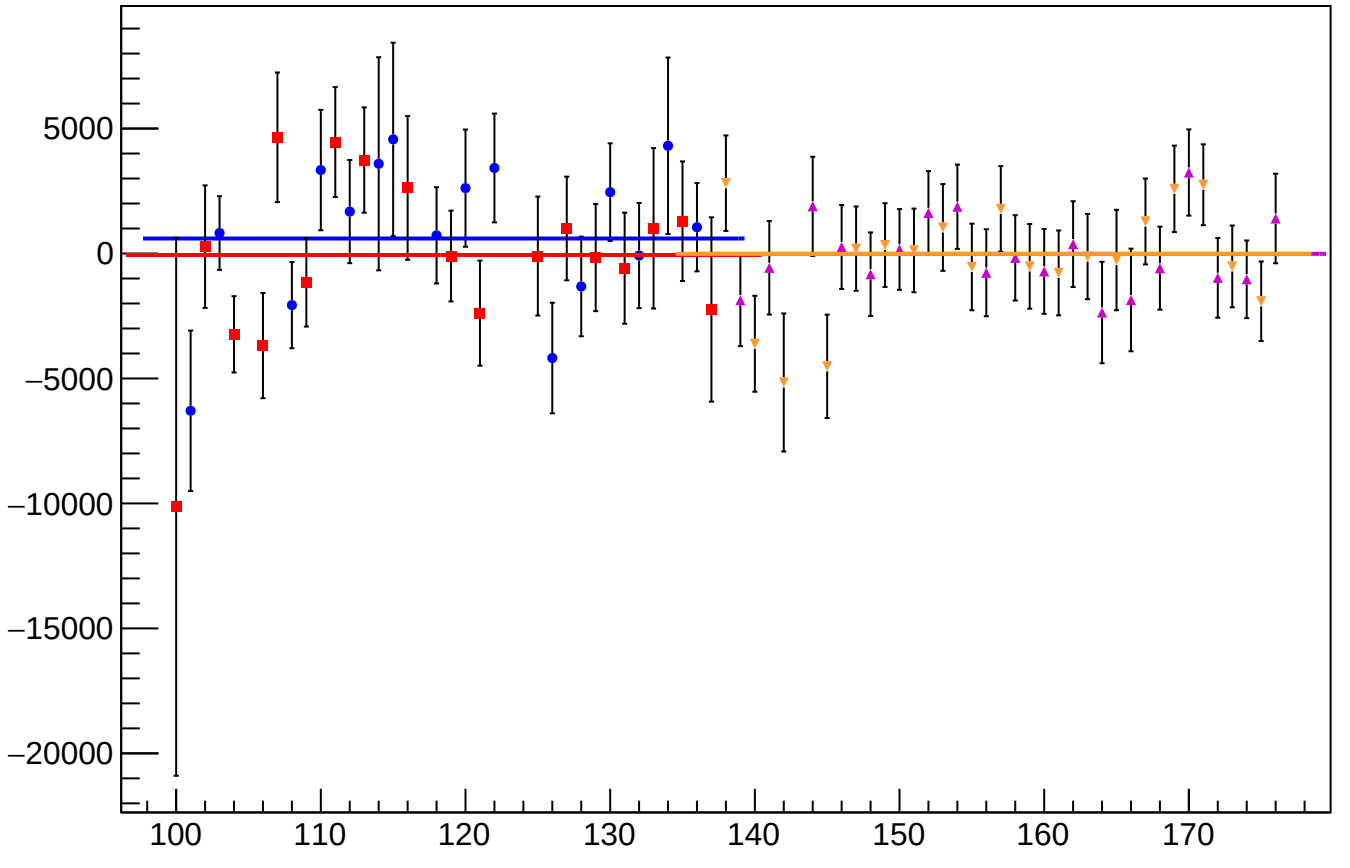
Left In: -0.000+/-0.000 χ^2/NDF:14.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 39.7/34

All: 0.000+/-0.000 χ^2/NDF: 70.2/71

- sign -0.000+/-0.000 χ^2/NDF: 27.2/36


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1264678.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1516676.9/18
+ sign 0.000+/-0.000 χ²/NDF: 6237315.1/34
All: 0.000+/-0.000 χ²/NDF: 12912982.8/71
- sign 0.000+/-0.000 χ²/NDF: 6671253.4/36



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -14.124+/-405.107 χ^2/NDF:23.1/18

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

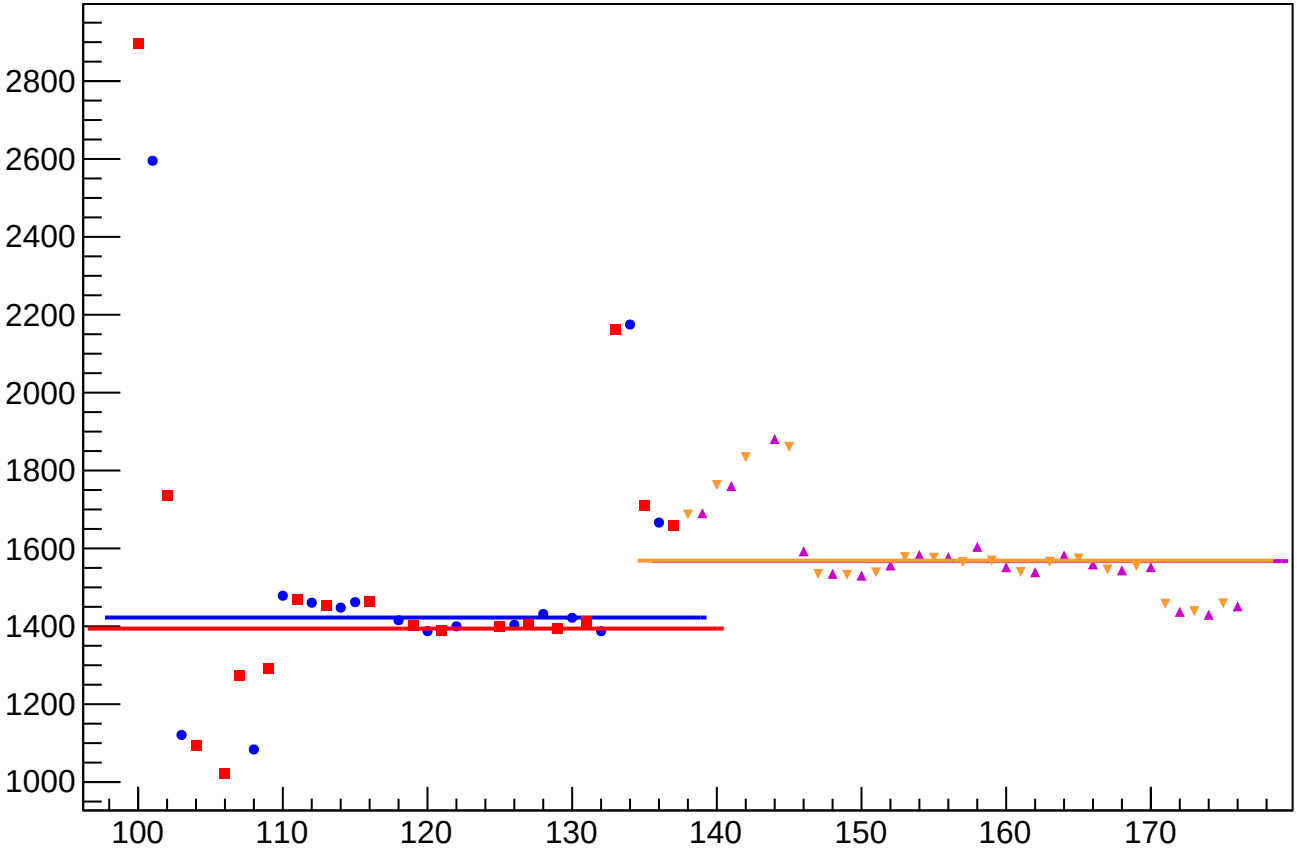
Left In: -13.347+/-398.440 χ^2/NDF:12.2/18

+ sign 207.060+/-324.066 χ^2/NDF: 44.3/34

All: 86.559+/-227.165 χ^2/NDF: 79.3/71

- sign -29.856+/-318.525 χ^2/NDF: 34.7/36

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1568.611+/-0.286 χ^2/NDF:121602.3/18

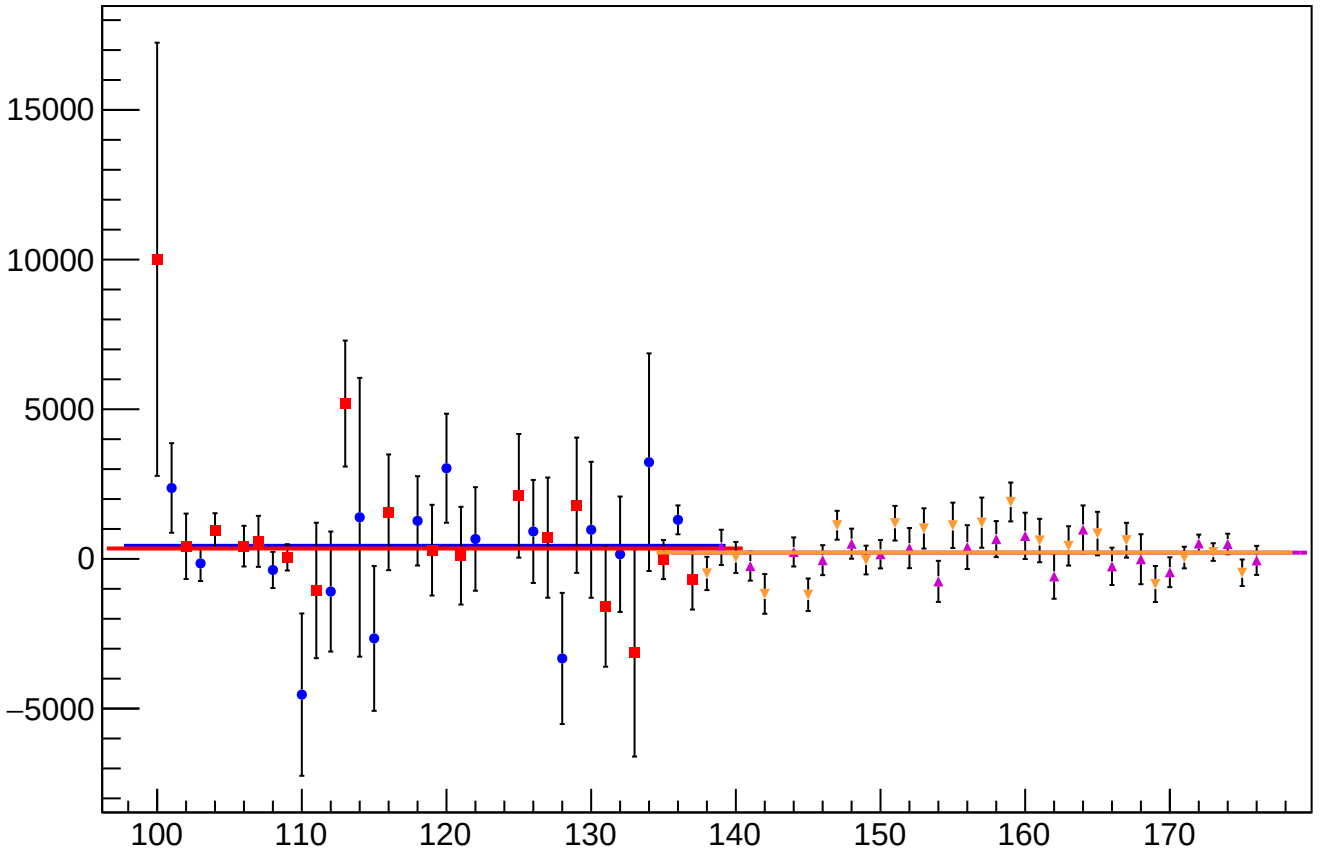
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1567.424+/-0.282 χ^2/NDF:122594.3/18

+ sign 1516.005+/-0.229 χ^2/NDF: 775524.0/34

All: 1510.354+/-0.161 χ^2/NDF: 1429459.8/71

- sign 1504.895+/-0.225 χ^2/NDF: 652740.1/36



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 212.687+/-121.139 χ^2/NDF:37.8/18

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

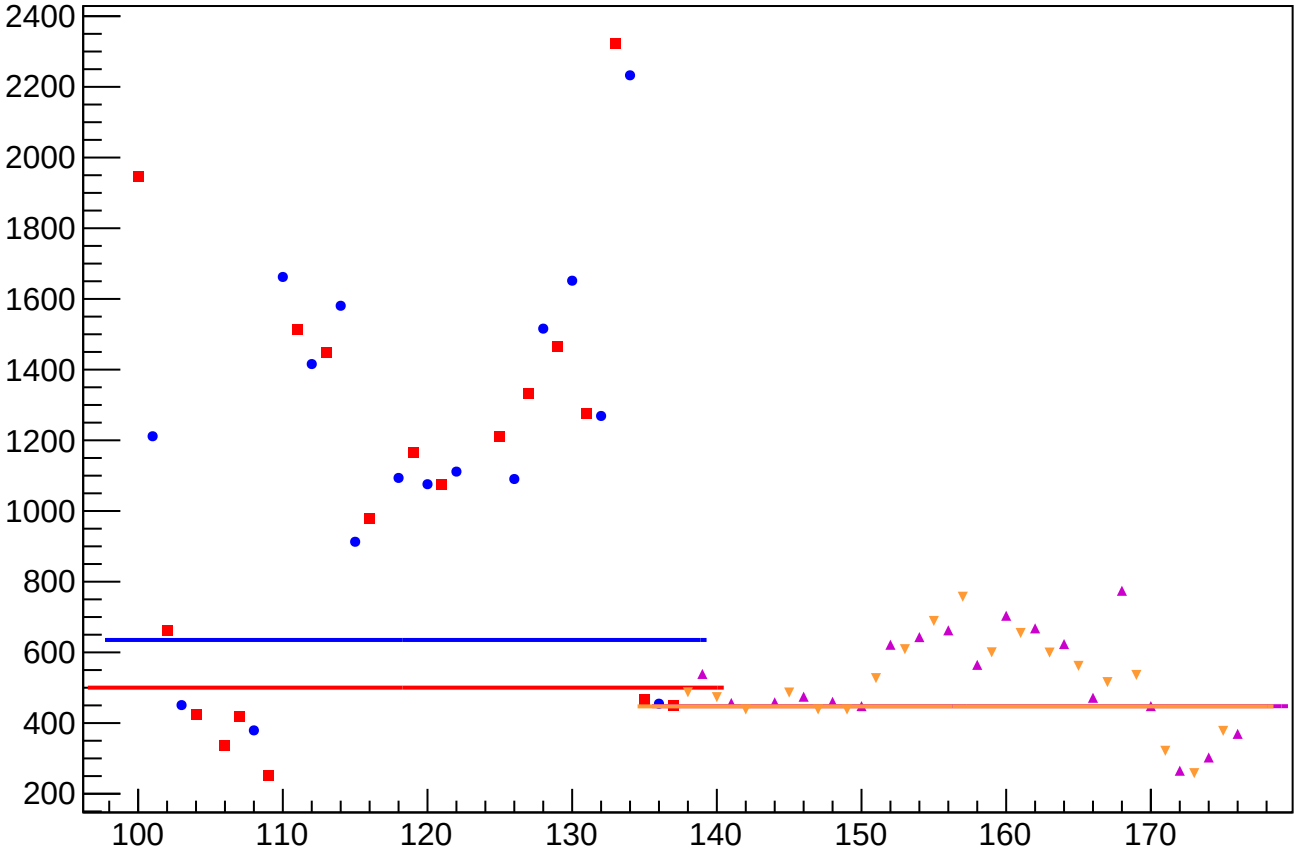
Left In: 209.593+/-119.579 χ^2/NDF:11.2/18

\+ sign 248.858+/-110.919 χ^2/NDF: 57.7/34

All: 243.425+/-76.806 χ^2/NDF: 83.1/71

\- sign 238.420+/-106.457 χ^2/NDF: 25.4/36

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 447.170+/-0.086 χ^2/NDF:2276399.2/18

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

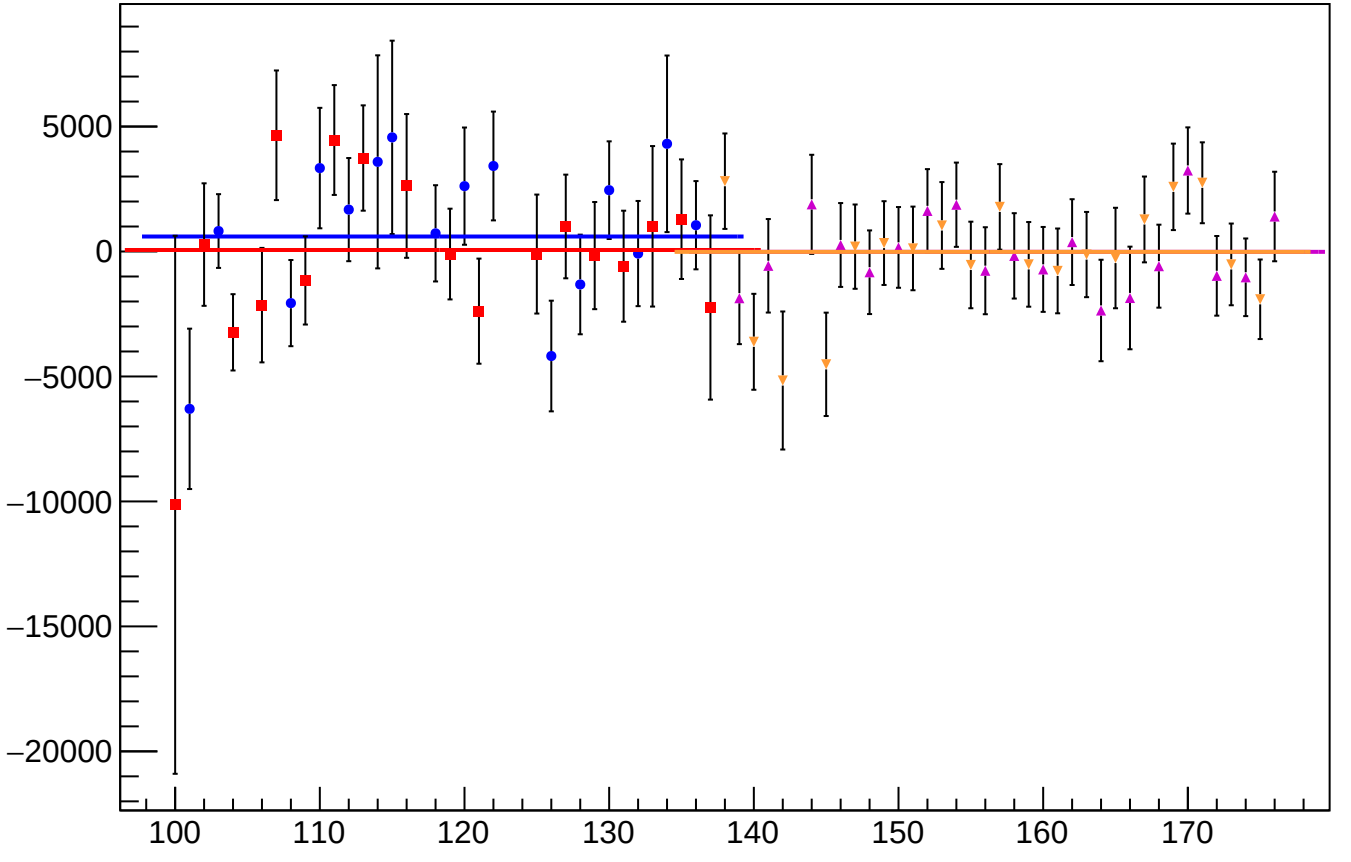
Left In: 447.741+/-0.085 χ^2/NDF:2571372.0/18

+ sign 477.547+/-0.078 χ^2/NDF: 6807151.2/34

All: 467.700+/-0.054 χ^2/NDF: 13797835.7/71

- sign 458.629+/-0.075 χ^2/NDF: 6960401.9/36

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -14.195+/-405.107 χ^2/NDF:23.1/18

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

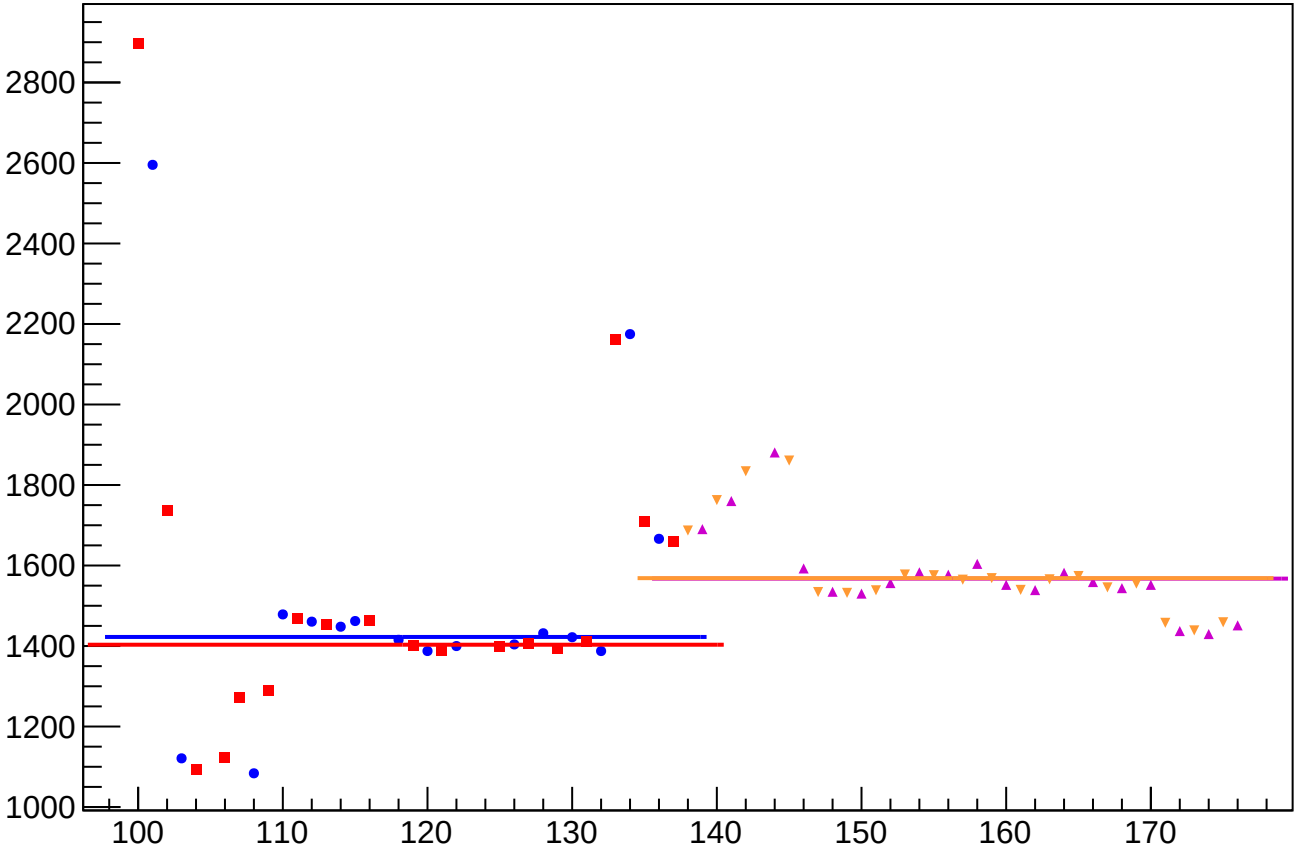
Left In: -13.306+/-398.440 χ^2/NDF:12.2/18

+ sign 206.969+/-324.066 χ^2/NDF: 44.3/34

All: 108.542+/-227.370 χ^2/NDF: 77.0/71

- sign 13.114+/-319.091 χ^2/NDF: 32.5/36

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1568.611+/-0.286 χ^2/NDF:121602.3/18

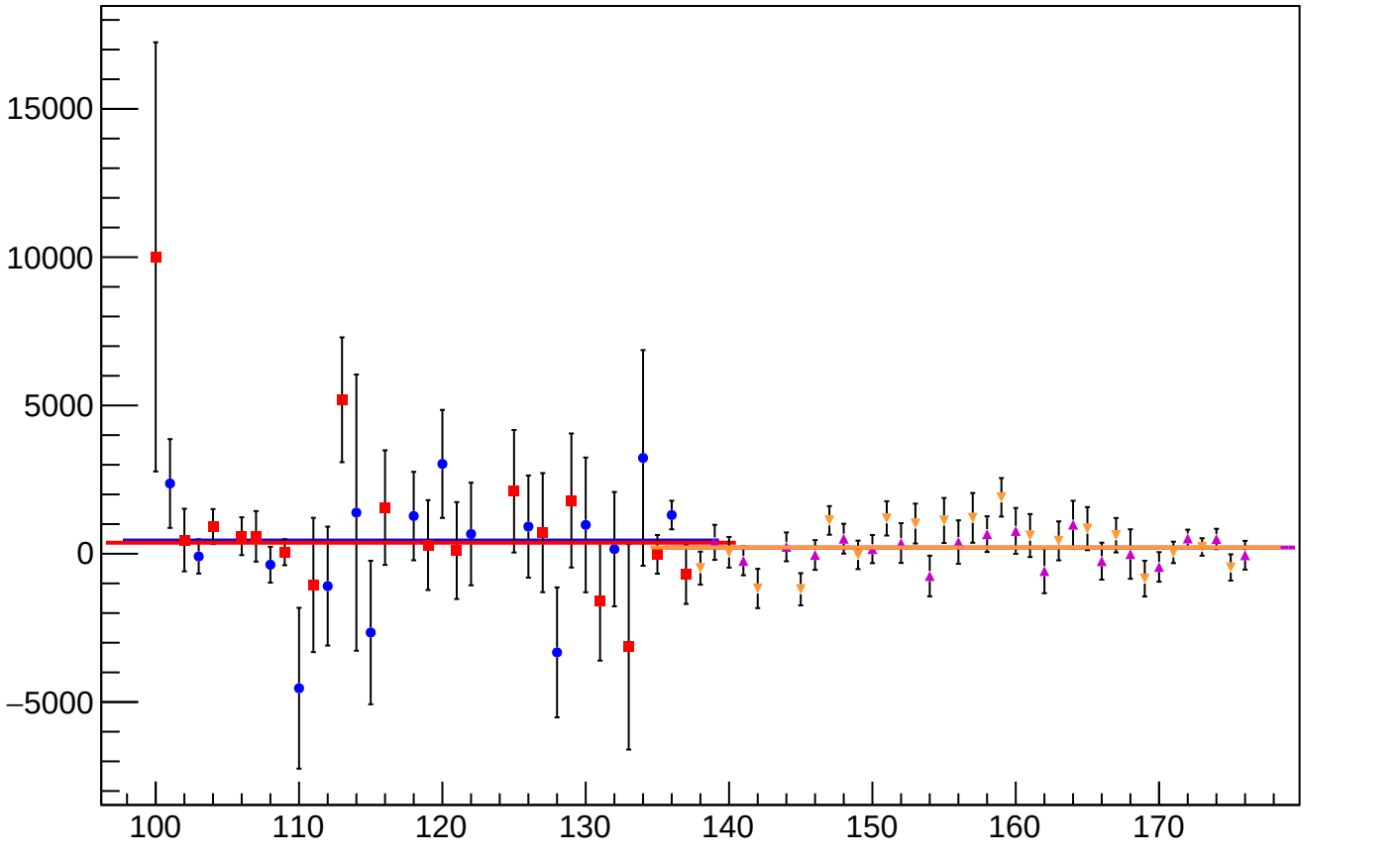
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1567.424+/-0.282 χ^2/NDF:122594.3/18

+ sign 1516.005+/-0.229 χ^2/NDF: 775524.3/34

All: 1512.212+/-0.161 χ^2/NDF: 1379596.0/71

- sign 1508.534+/-0.226 χ^2/NDF: 603531.9/36



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 212.698+/-121.139 χ^2/NDF:37.8/18

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

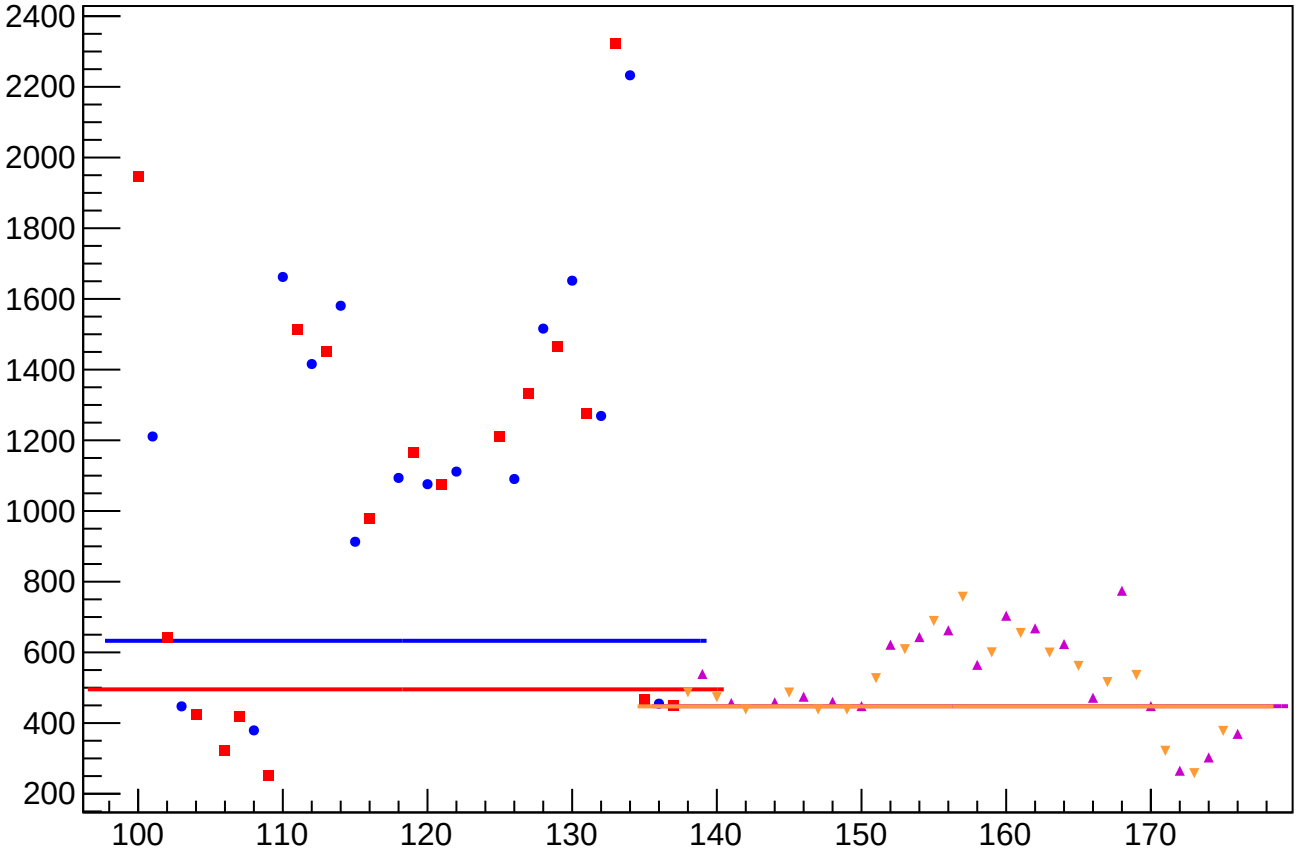
Left In: 209.759+/-119.580 χ^2/NDF:11.2/18

+ sign 250.530+/-110.843 χ^2/NDF: 57.6/34

All: 247.167+/-76.694 χ^2/NDF: 83.2/71

- sign 244.078+/-106.229 χ^2/NDF: 25.6/36

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: 447.170+/-0.086 χ^2/NDF:2276637.5/18

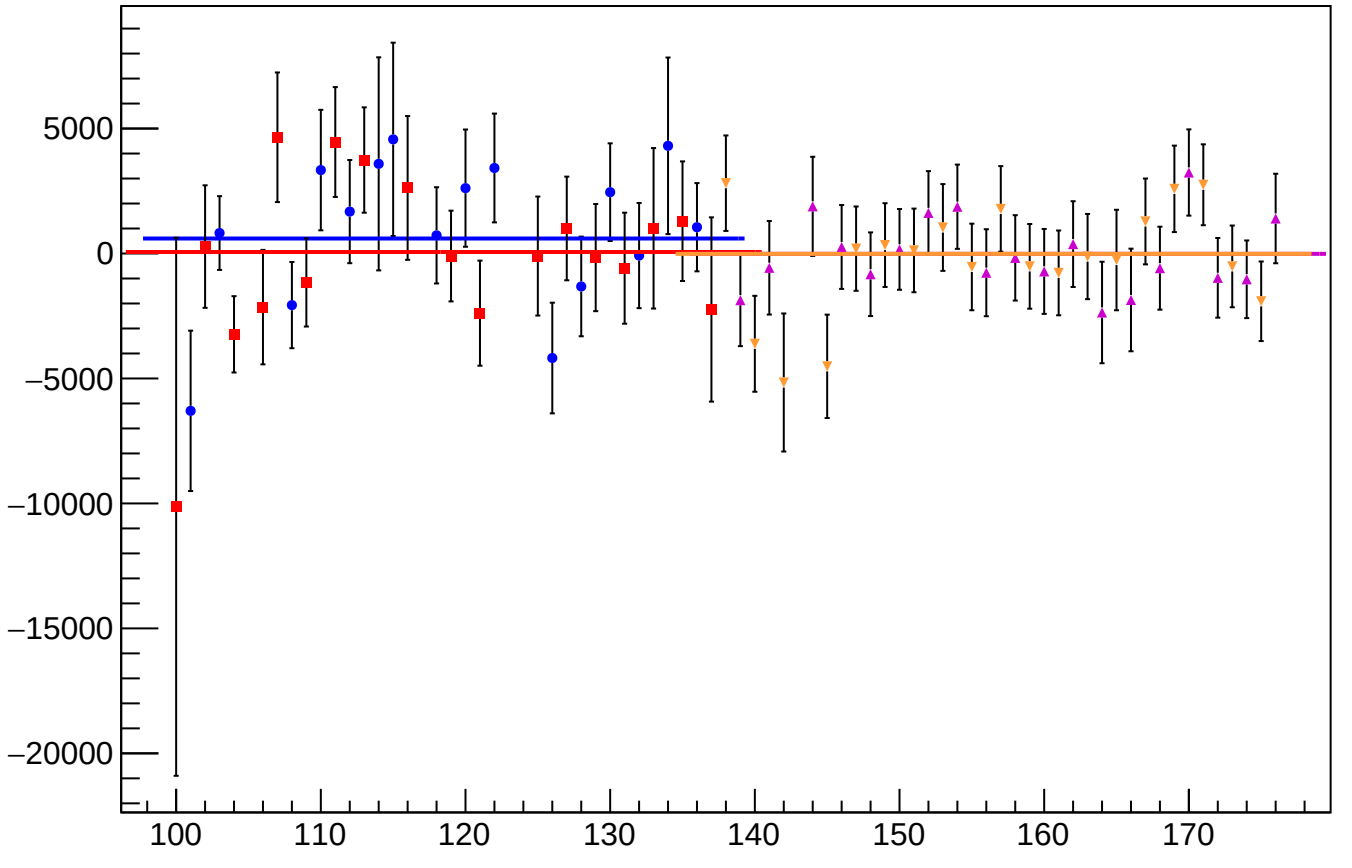
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 447.746+/-0.085 χ^2/NDF:2571099.3/18

+ sign 477.377+/-0.078 χ^2/NDF: 6808408.8/34

All: 467.167+/-0.054 χ^2/NDF: 13816460.0/71

- sign 457.789+/-0.075 χ^2/NDF: 6975492.7/36



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -14.195+/-405.107 χ^2/NDF:23.1/18

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

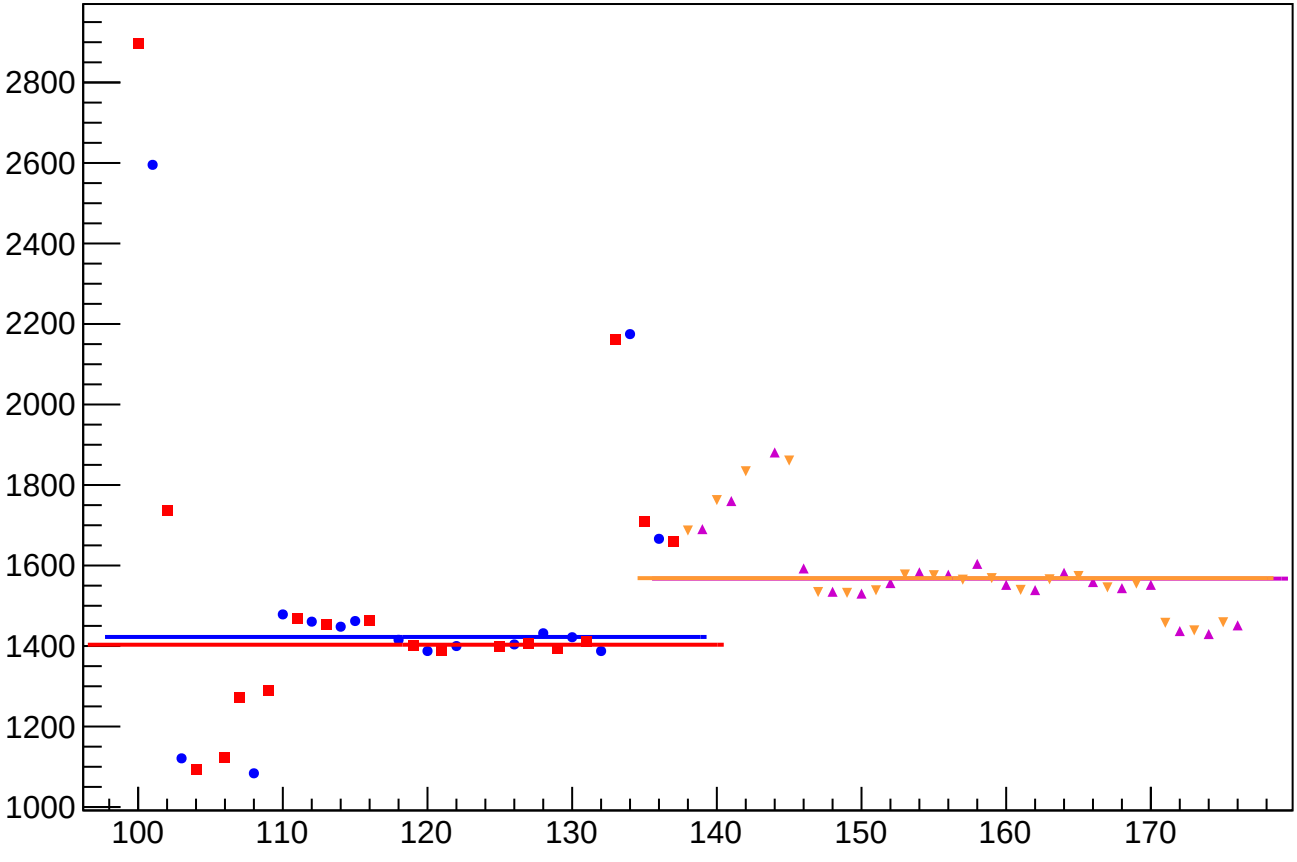
Left In: -13.306+/-398.440 χ^2/NDF:12.2/18

+ sign 206.969+/-324.066 χ^2/NDF: 44.3/34

All: 108.542+/-227.370 χ^2/NDF: 77.0/71

- sign 13.114+/-319.091 χ^2/NDF: 32.5/36

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: 1568.611+/-0.286 χ^2/NDF:121602.3/18

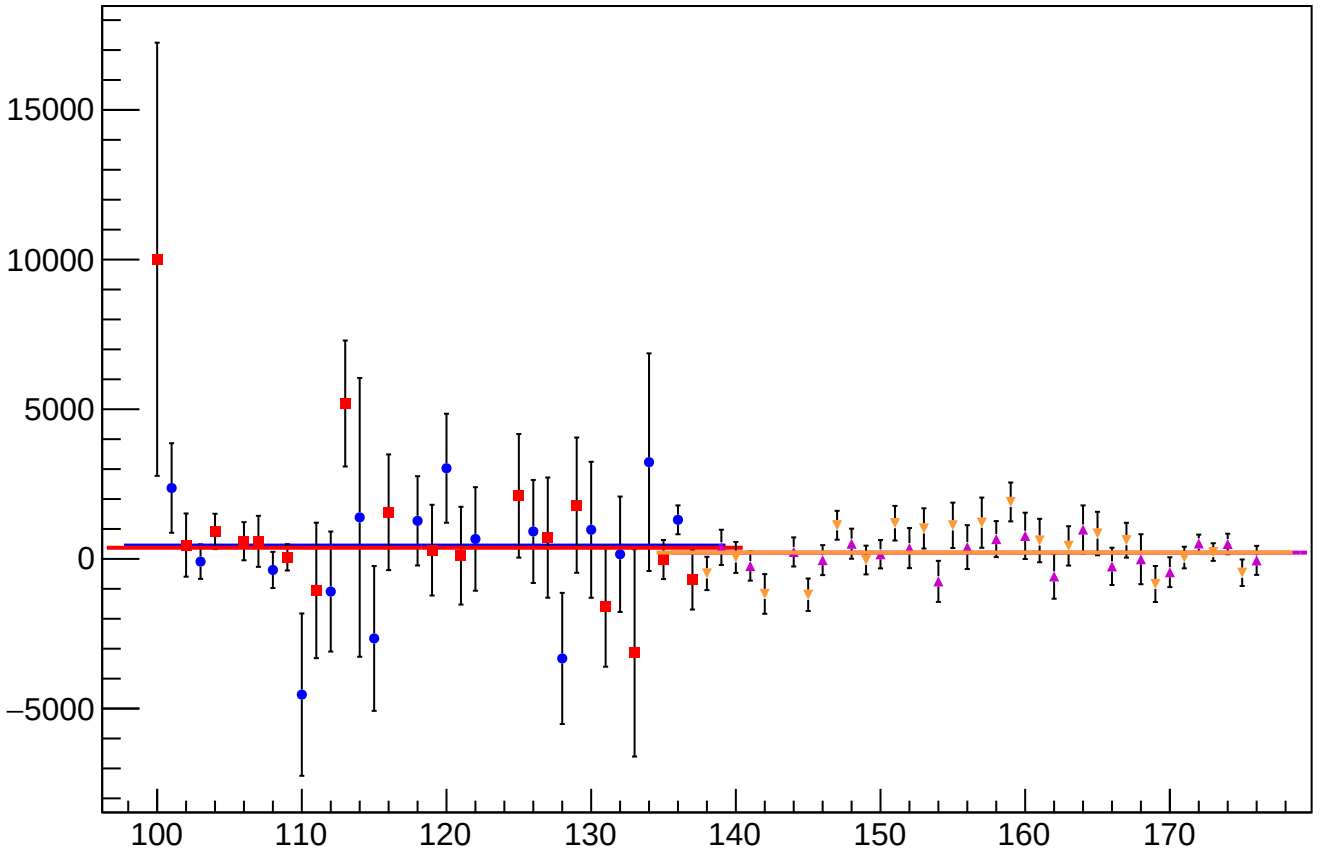
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1567.424+/-0.282 χ^2/NDF:122594.3/18

+ sign 1516.005+/-0.229 χ^2/NDF: 775524.3/34

All: 1512.212+/-0.161 χ^2/NDF: 1379596.0/71

- sign 1508.534+/-0.226 χ^2/NDF: 603531.9/36



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 212.698+/-121.139 χ^2/NDF:37.8/18

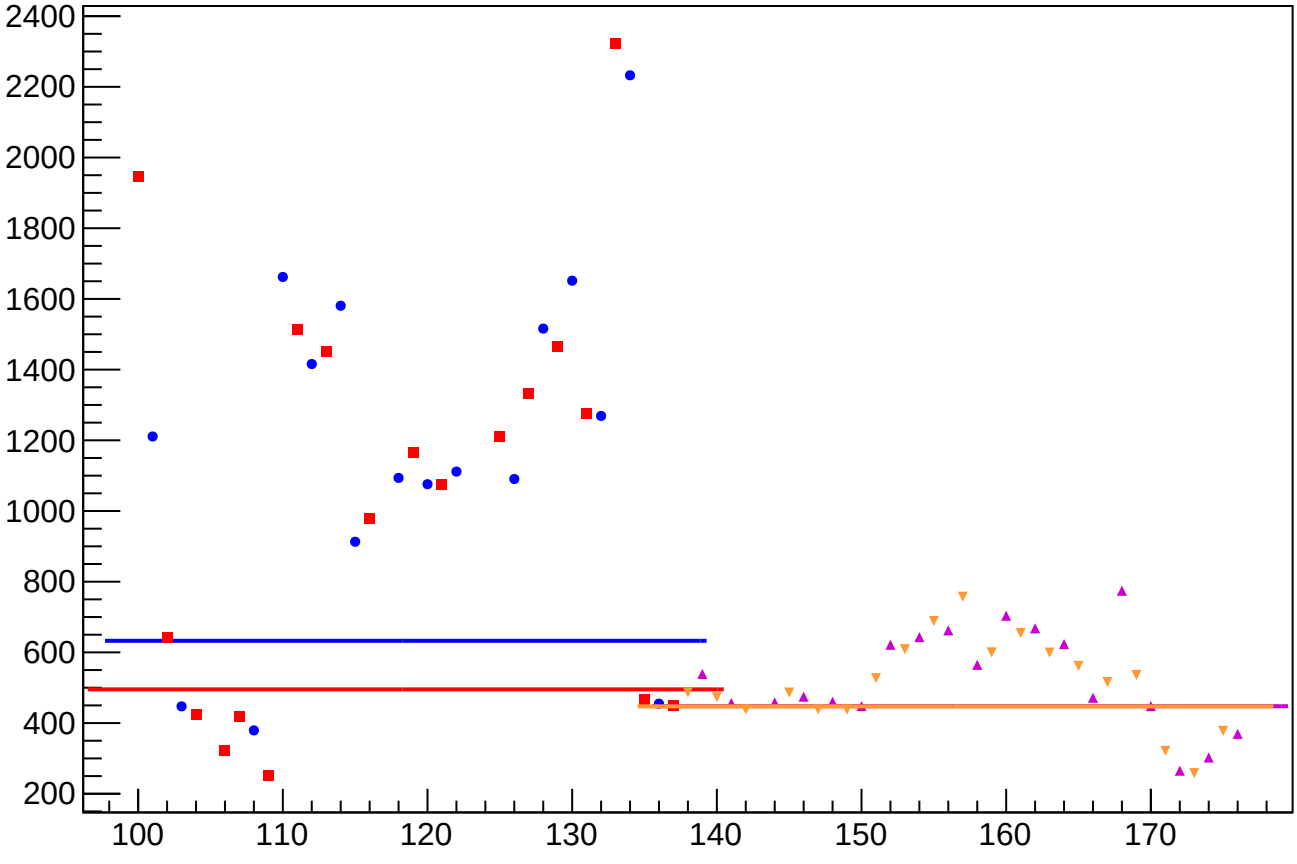
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 209.759+/-119.580 χ^2/NDF:11.2/18

+ sign 250.530+/-110.843 χ^2/NDF: 57.6/34

All: 247.167+/-76.694 χ^2/NDF: 83.2/71

- sign 244.078+/-106.229 χ^2/NDF: 25.6/36



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 447.170+/-0.086 χ^2/NDF:2276637.5/18

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

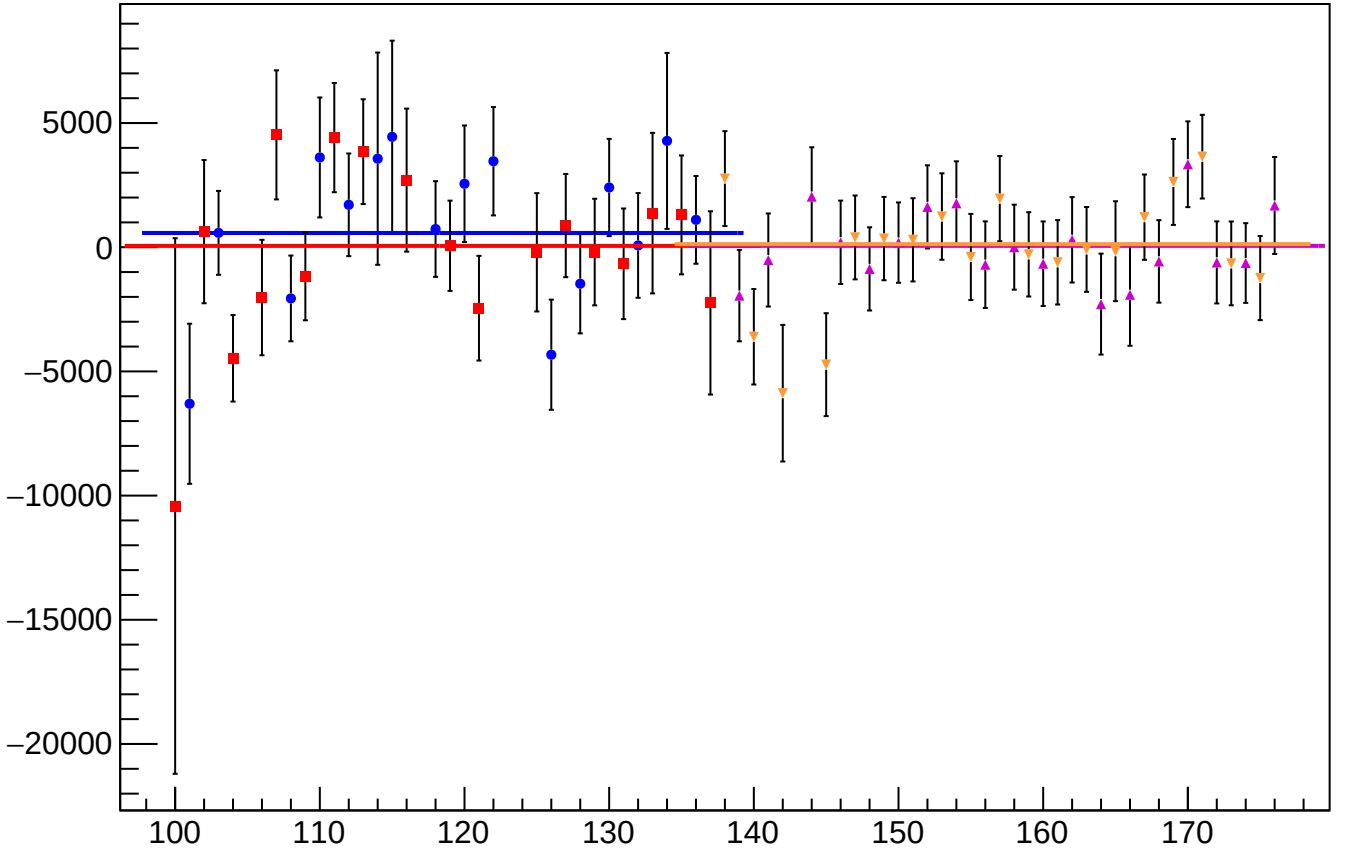
Left In: 447.746+/-0.085 χ^2/NDF:2571099.3/18

+ sign 477.377+/-0.078 χ^2/NDF: 6808408.8/34

All: 467.167+/-0.054 χ^2/NDF: 13816460.0/71

- sign 457.789+/-0.075 χ^2/NDF: 6975492.7/36

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 124.388+/-408.765 χ^2/NDF:25.6/18

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

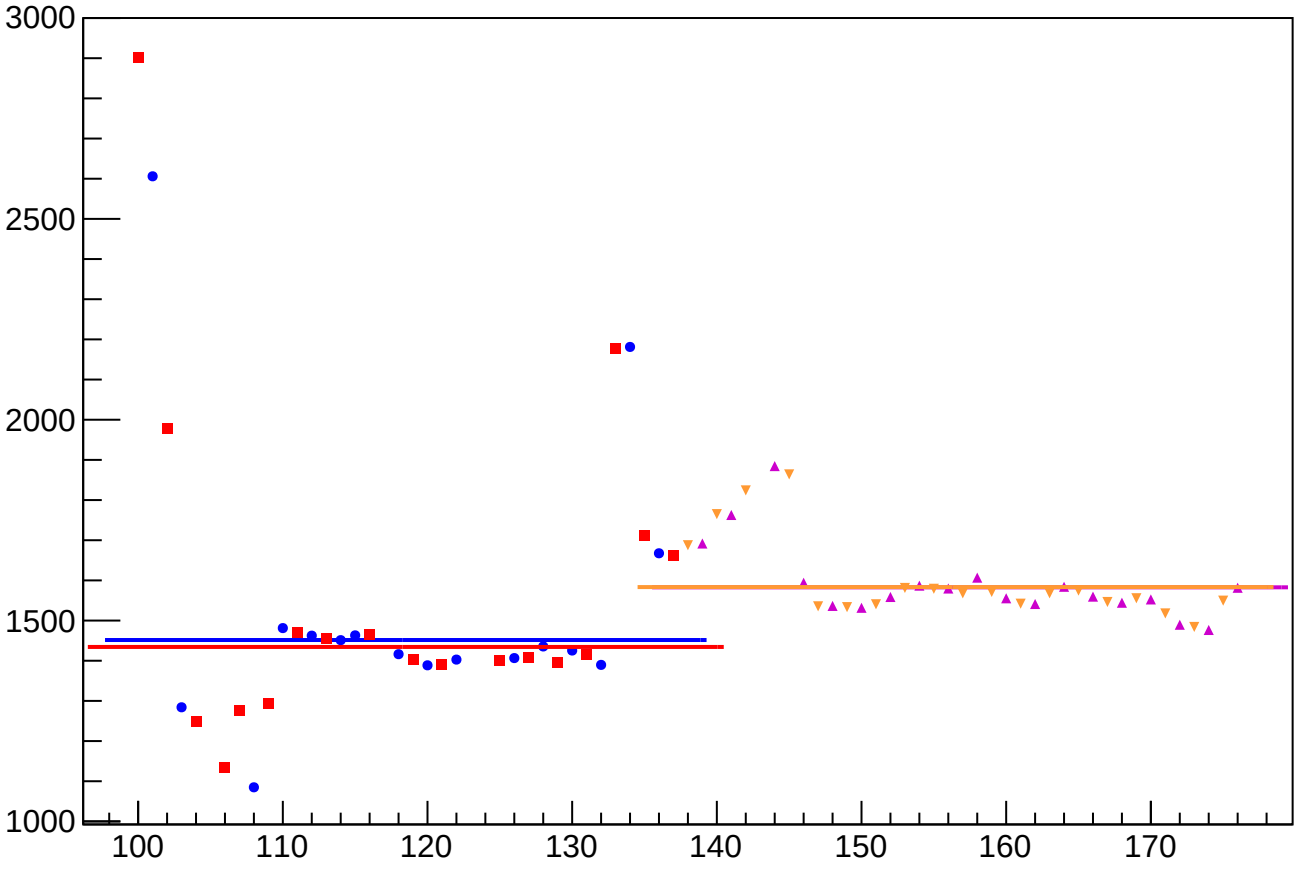
Left In: 55.409+/-402.164 χ^2/NDF:11.9/18

+ sign 283.895+/-328.001 χ^2/NDF: 46.8/34

All: 167.839+/-230.386 χ^2/NDF: 81.5/71

- sign 54.826+/-323.672 χ^2/NDF: 34.5/36

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1583.356+/-0.289 χ^2/NDF:94370.2/18

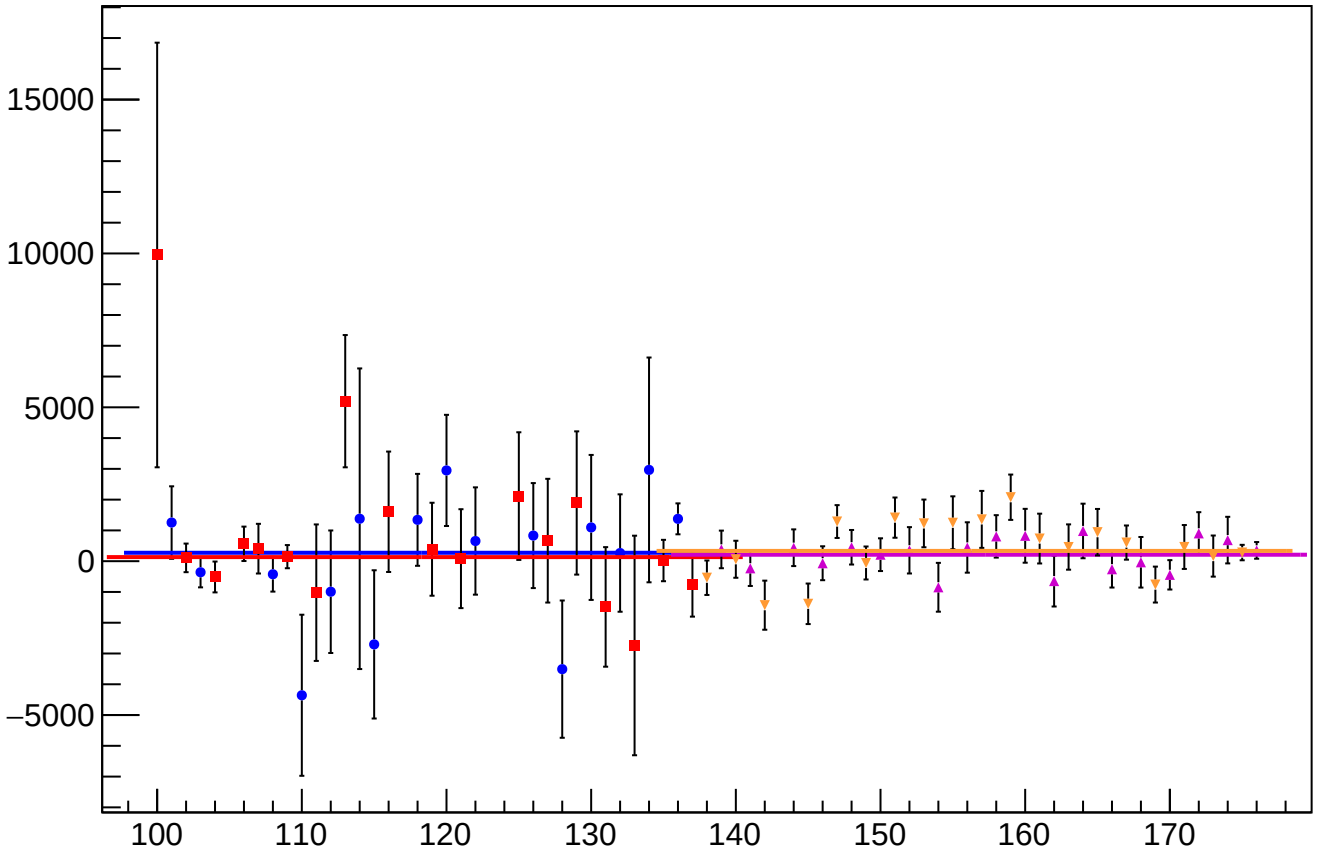
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.759+/-0.284 χ^2/NDF:94834.7/18

+ sign 1536.427+/-0.232 χ^2/NDF: 656228.7/34

All: 1533.410+/-0.163 χ^2/NDF: 1175965.4/71

- sign 1530.471+/-0.229 χ^2/NDF: 519402.5/36



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 333.574+/-132.938 χ^2/NDF:34.9/18

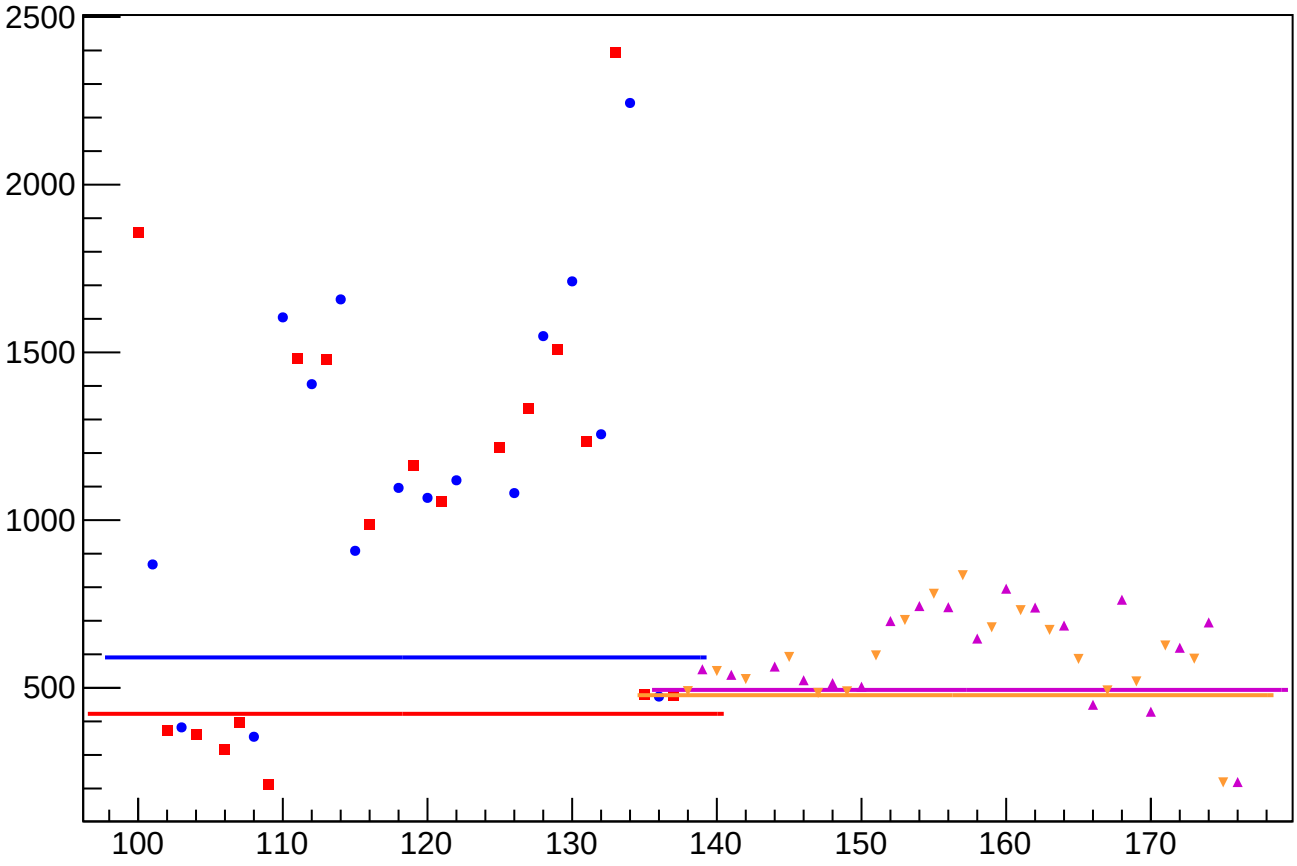
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 209.667+/-134.031 χ^2/NDF:10.5/18

\+ sign 321.152+/-118.414 χ^2/NDF: 55.2/34

All: 248.499+/-80.837 χ^2/NDF: 80.9/71

\- sign 185.091+/-110.624 χ^2/NDF: 25.0/36



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 478.154+/-0.094 χ^2/NDF:3700516.3/18

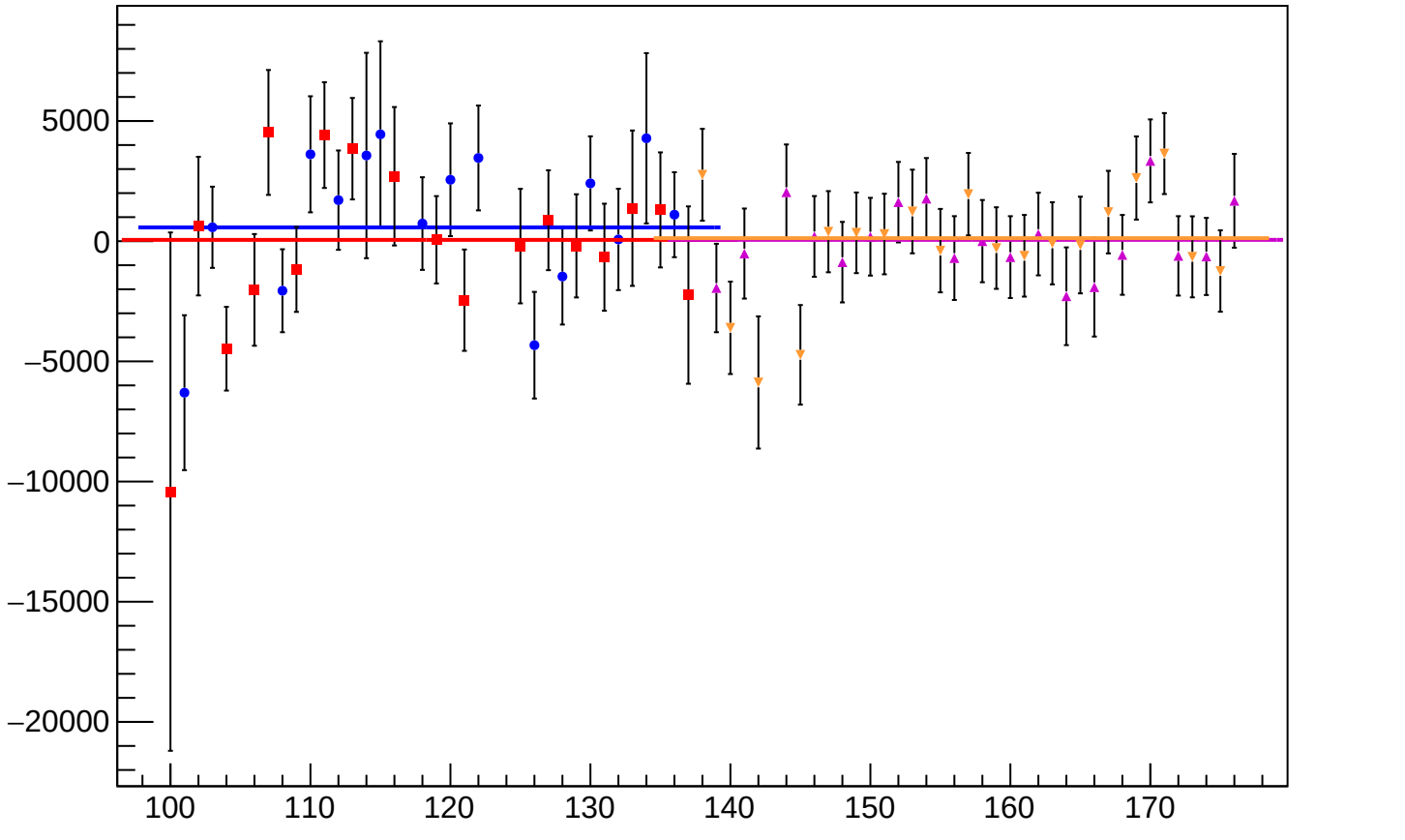
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 493.957+/-0.095 χ^2/NDF:3727093.0/18

+ sign 501.413+/-0.084 χ^2/NDF: 7882390.7/34

All: 485.290+/-0.057 χ^2/NDF: 16717494.1/71

- sign 471.219+/-0.078 χ^2/NDF: 8765669.2/36



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 124.384+/-408.764 χ^2/NDF:25.6/18

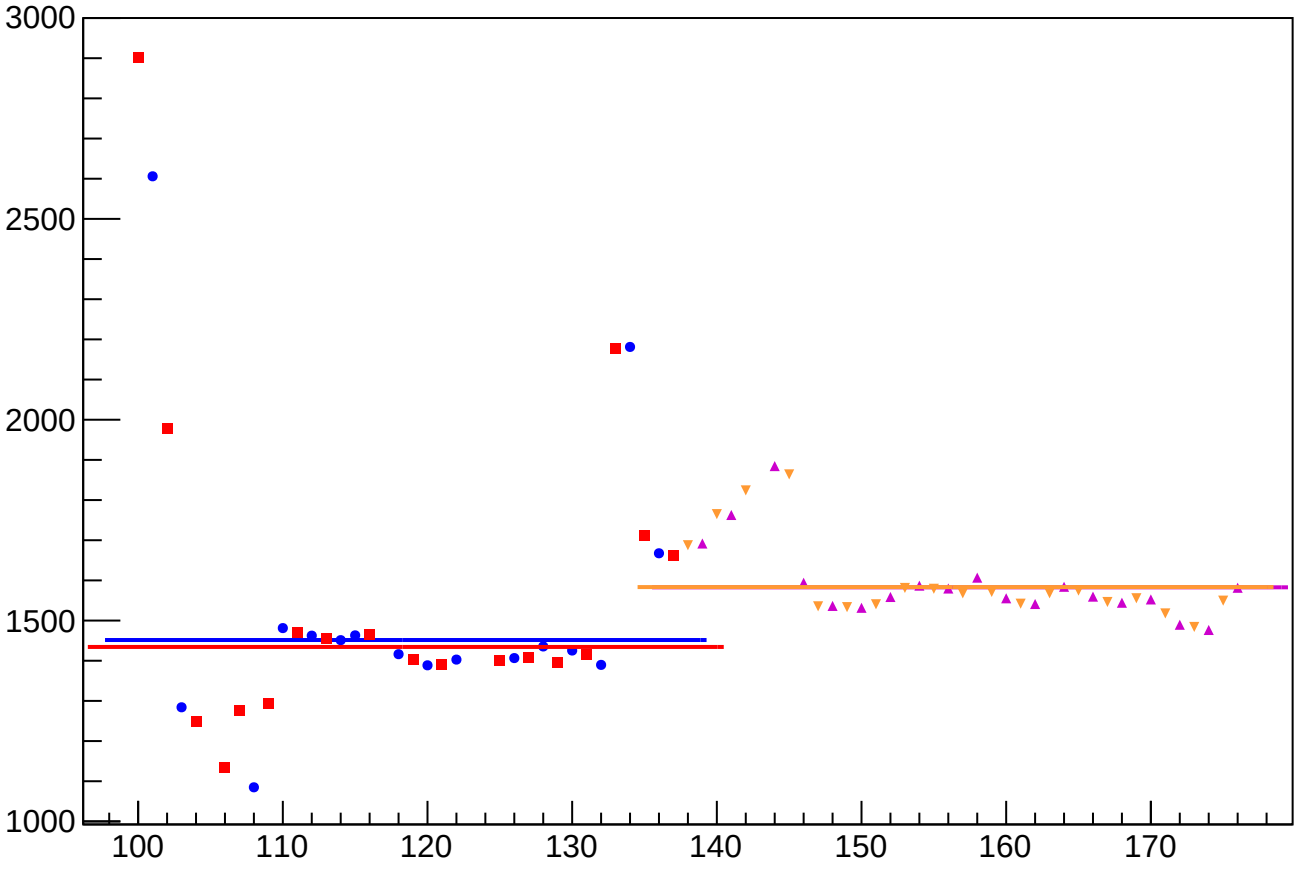
Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 55.407+/-402.164 χ^2/NDF:11.9/18

\+ sign 283.892+/-328.001 χ^2/NDF: 46.8/34

All: 167.837+/-230.386 χ^2/NDF: 81.5/71

\- sign 54.824+/-323.672 χ^2/NDF: 34.5/36



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1583.356+/-0.289 χ^2/NDF:94371.0/18

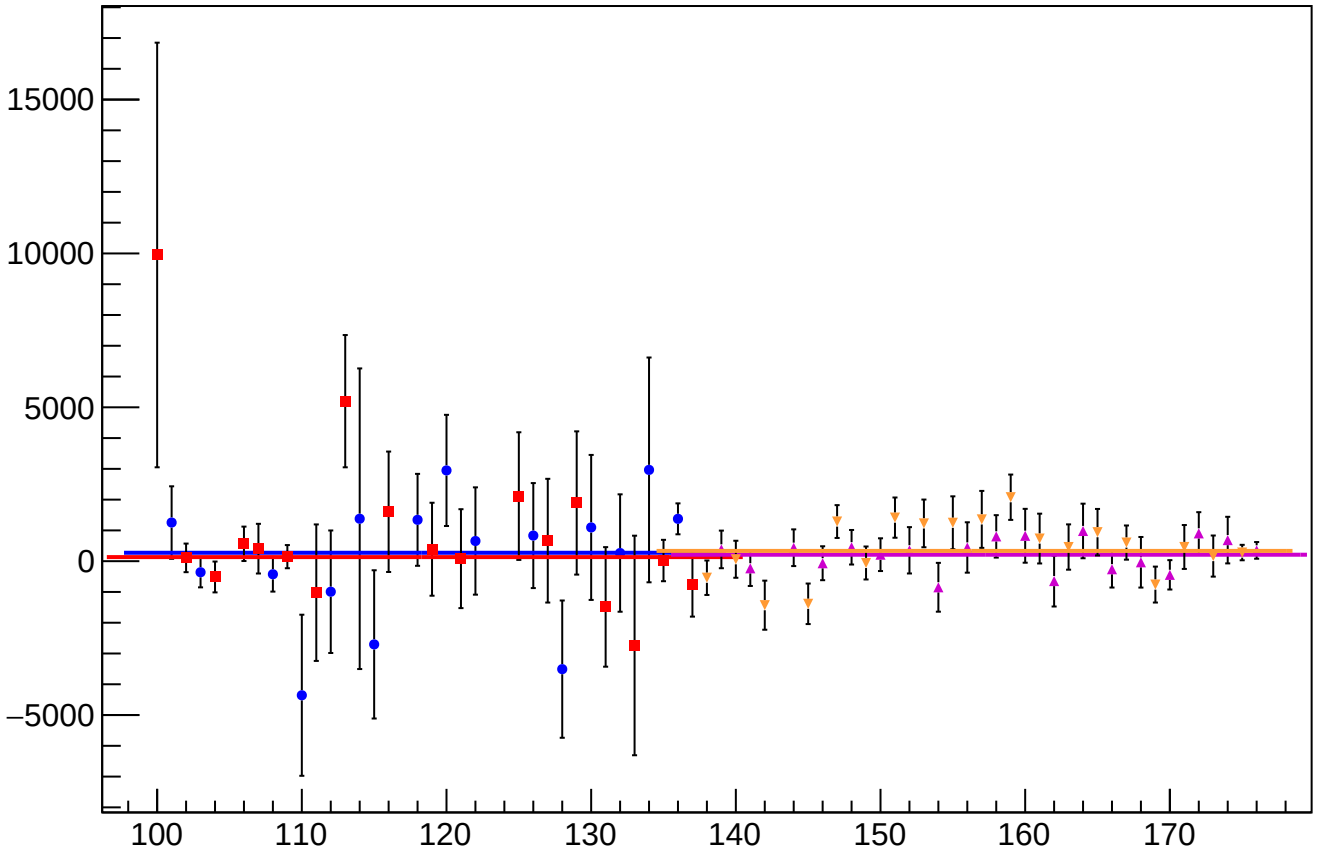
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.759+/-0.284 χ^2/NDF:94835.4/18

+ sign 1536.427+/-0.232 χ^2/NDF: 656228.6/34

All: 1533.409+/-0.163 χ^2/NDF: 1175966.0/71

- sign 1530.471+/-0.229 χ^2/NDF: 519403.2/36



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 333.581+/-132.939 χ^2/NDF:34.9/18

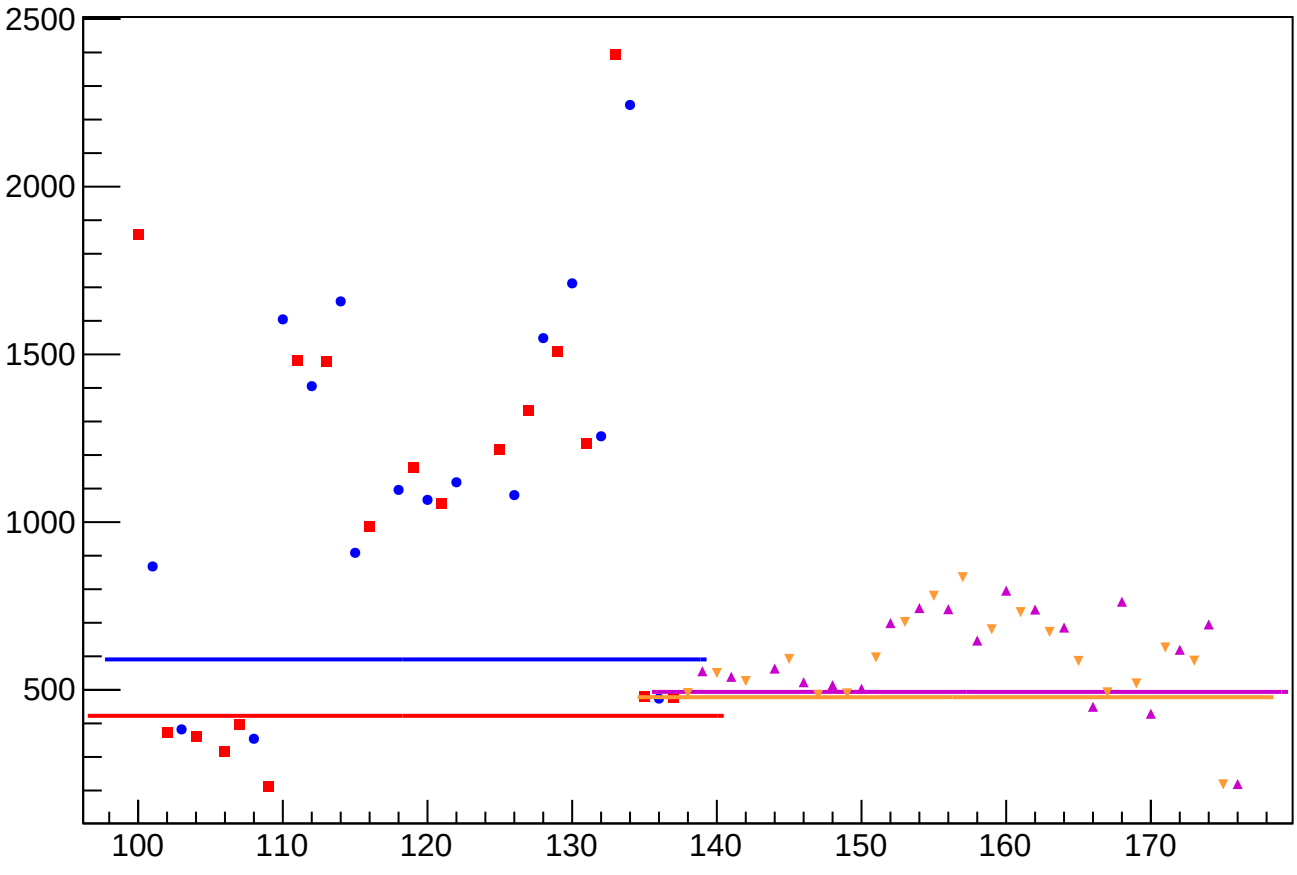
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 209.667+/-134.031 χ^2/NDF:10.5/18

+ sign 321.155+/-118.414 χ^2/NDF: 55.2/34

All: 248.500+/-80.837 χ^2/NDF: 80.9/71

- sign 185.090+/-110.625 χ^2/NDF: 25.0/36



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 478.157+/-0.094 χ^2/NDF:3700422.3/18

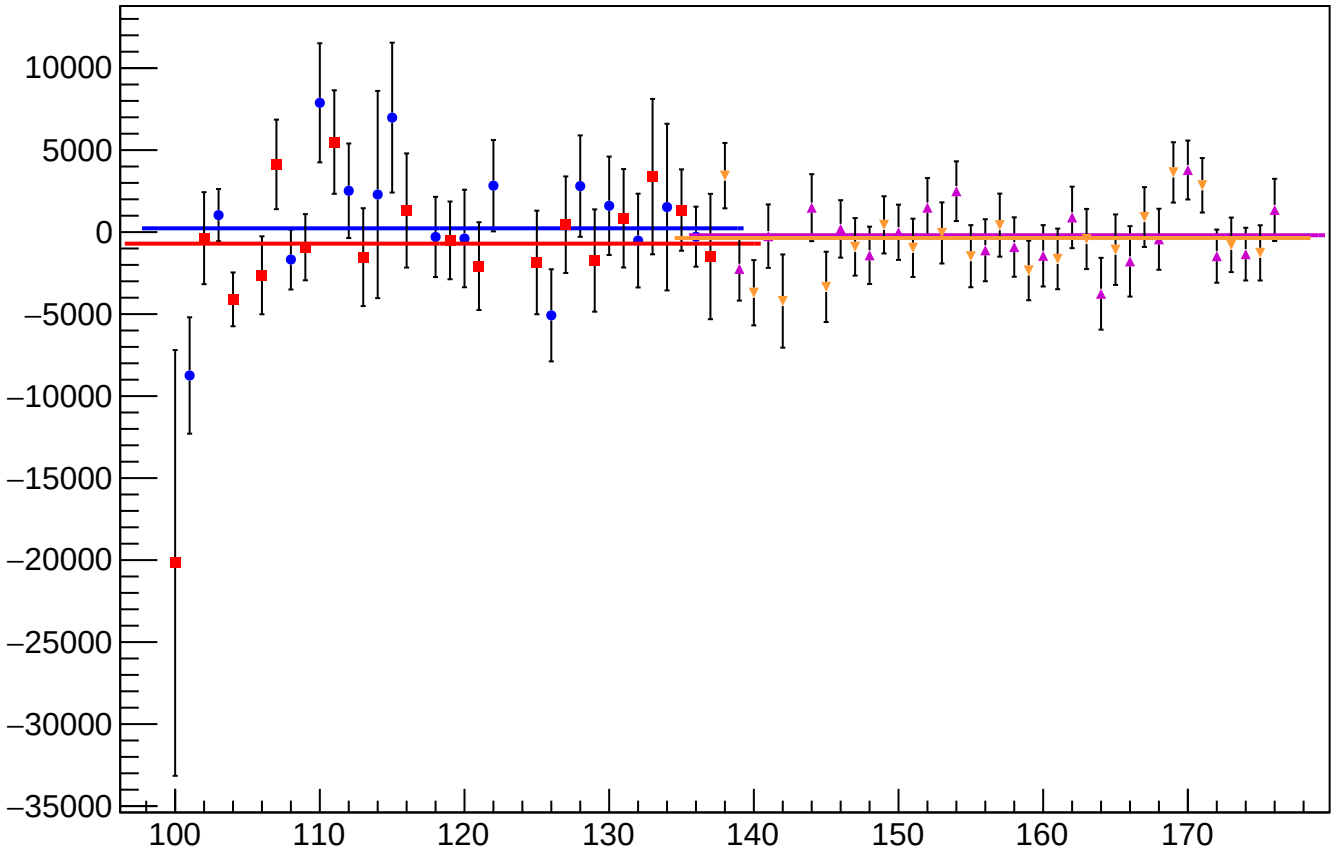
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 493.959+/-0.095 χ^2/NDF:3727004.2/18

+ sign 501.415+/-0.084 χ^2/NDF: 7882298.3/34

All: 485.293+/-0.057 χ^2/NDF: 16717207.5/71

- sign 471.223+/-0.078 χ^2/NDF: 8765480.7/36



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -360.082+/-428.937 χ^2/NDF:22.3/18

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

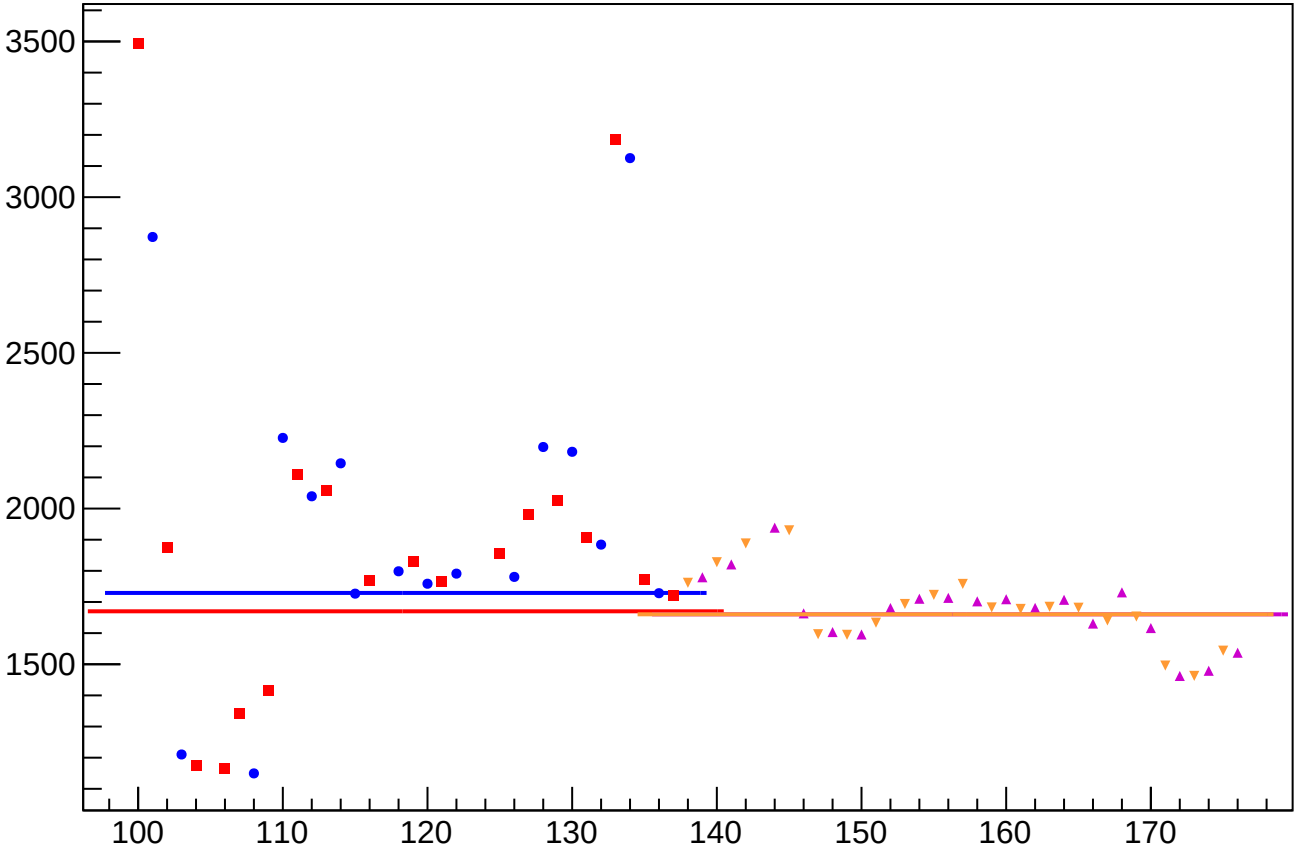
Left In: -190.810+/-422.169 χ^2/NDF:16.5/18

\+ sign -186.943+/-360.655 χ^2/NDF: 43.5/34

All: -266.528+/-252.554 χ^2/NDF: 77.6/71

\- sign -343.106+/-353.775 χ^2/NDF: 33.9/36

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1660.408+/-0.303 χ^2/NDF:136483.5/18

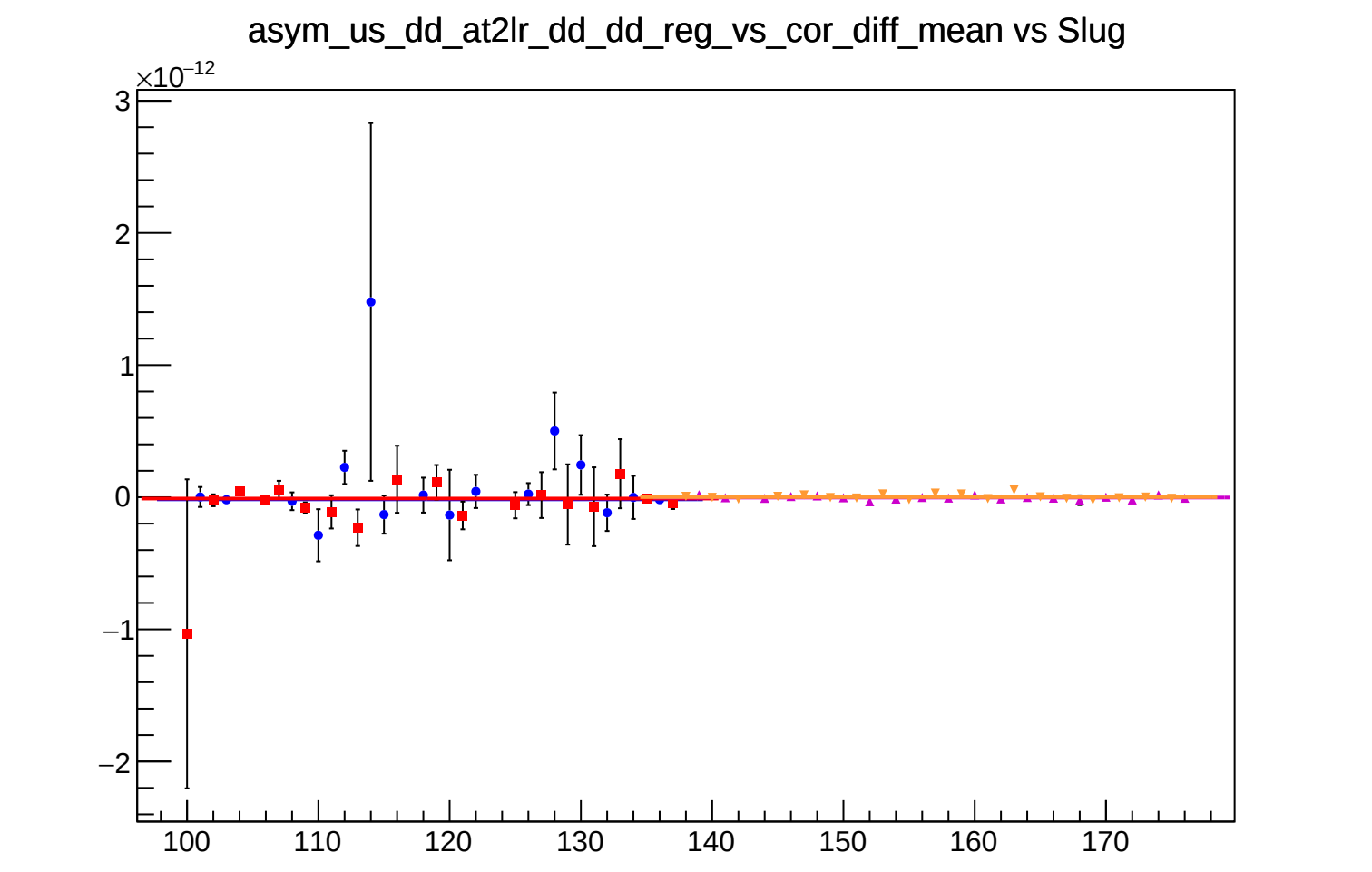
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

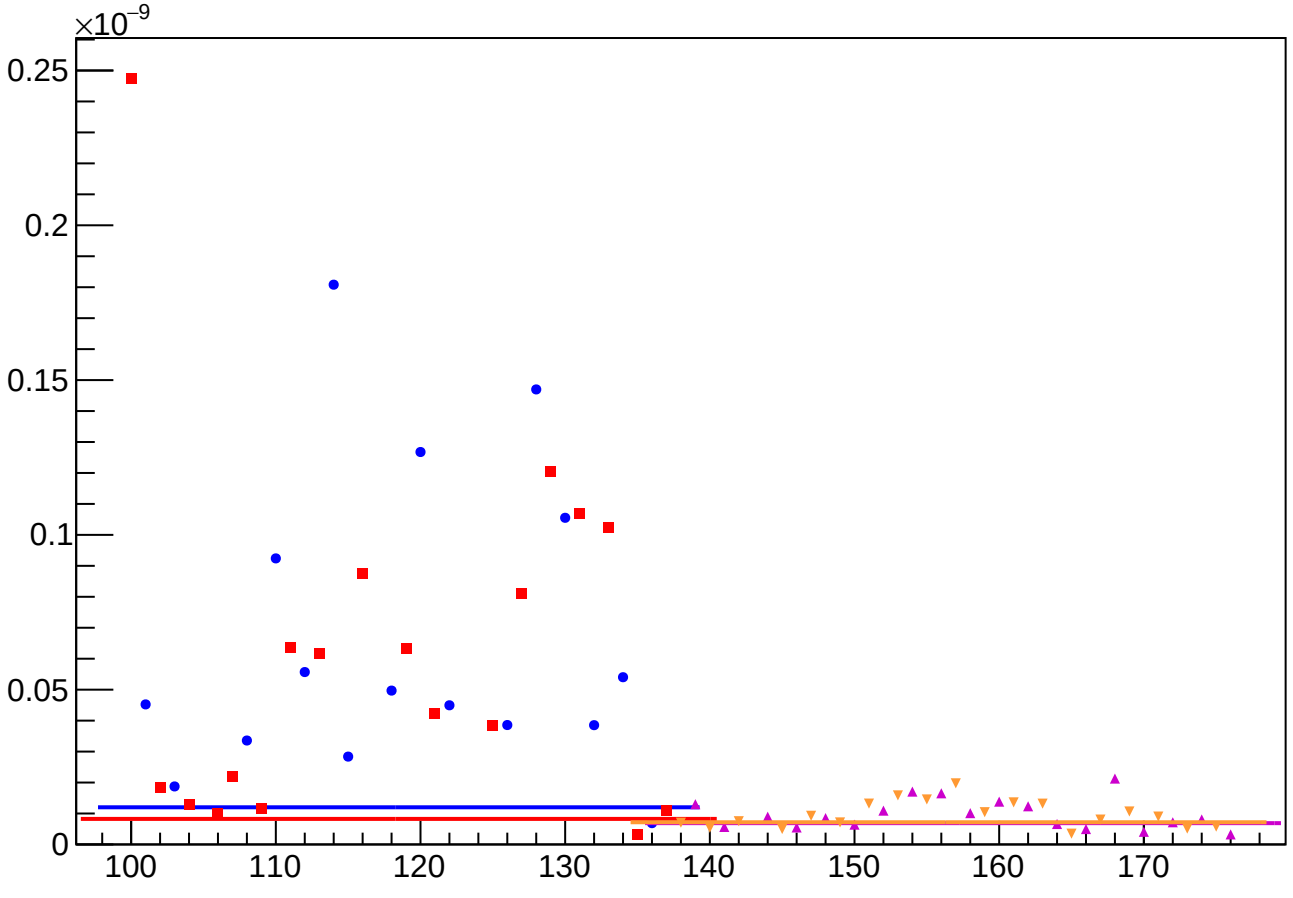
Left In: 1660.326+/-0.299 χ^2/NDF:138490.1/18

+ sign 1680.523+/-0.255 χ^2/NDF: 1093571.2/34

All: 1671.706+/-0.179 χ^2/NDF: 1979174.8/71

- sign 1663.223+/-0.250 χ^2/NDF: 883258.5/36


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
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:16.4/18
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:12.0/18
+ sign -0.000+/-0.000 χ²/NDF: 32.2/34
All: -0.000+/-0.000 χ²/NDF: 61.7/71
- sign -0.000+/-0.000 χ²/NDF: 29.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1963825.8/18

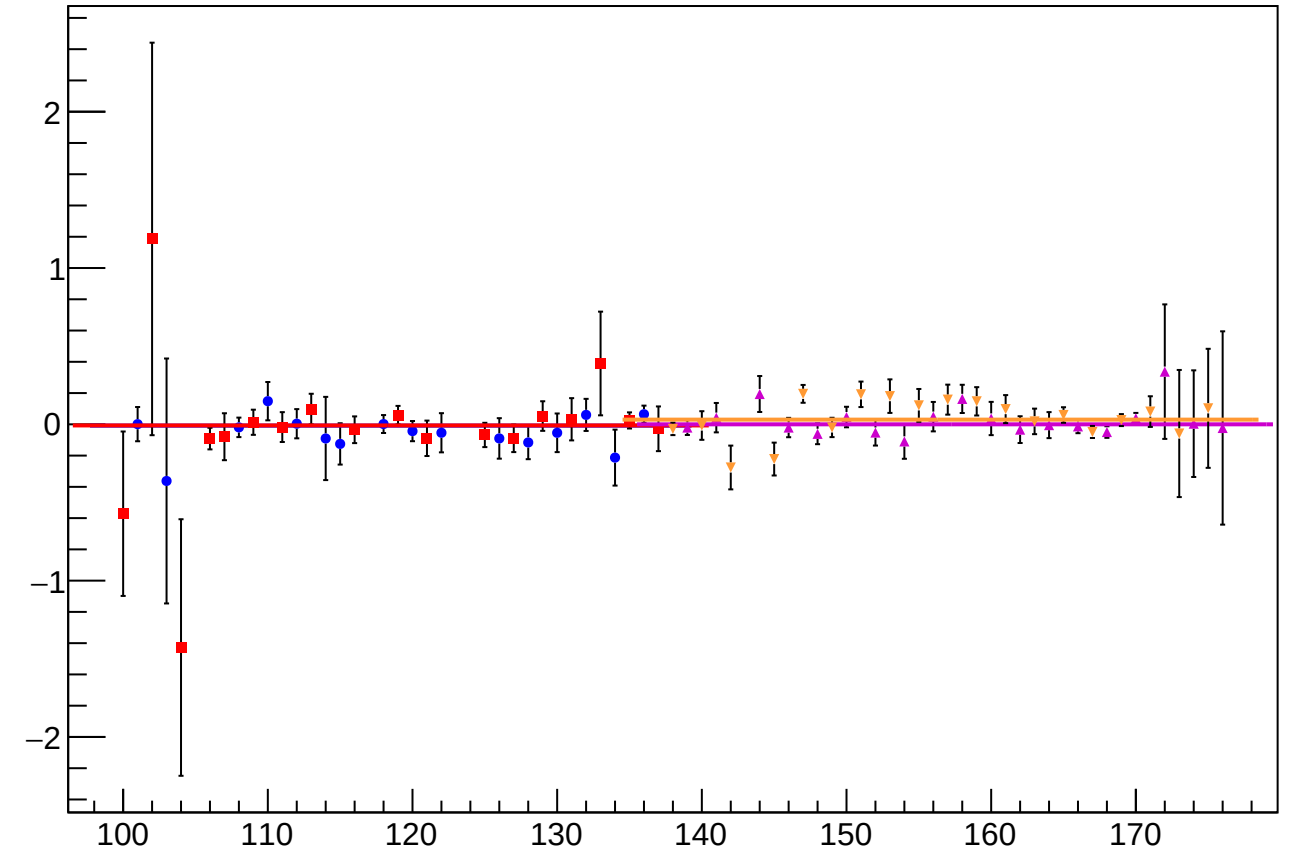
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2269464.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 5794698.0/34

All: 0.000+/-0.000 χ^2/NDF: 11654278.8/71

- sign 0.000+/-0.000 χ^2/NDF: 5823953.0/36



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

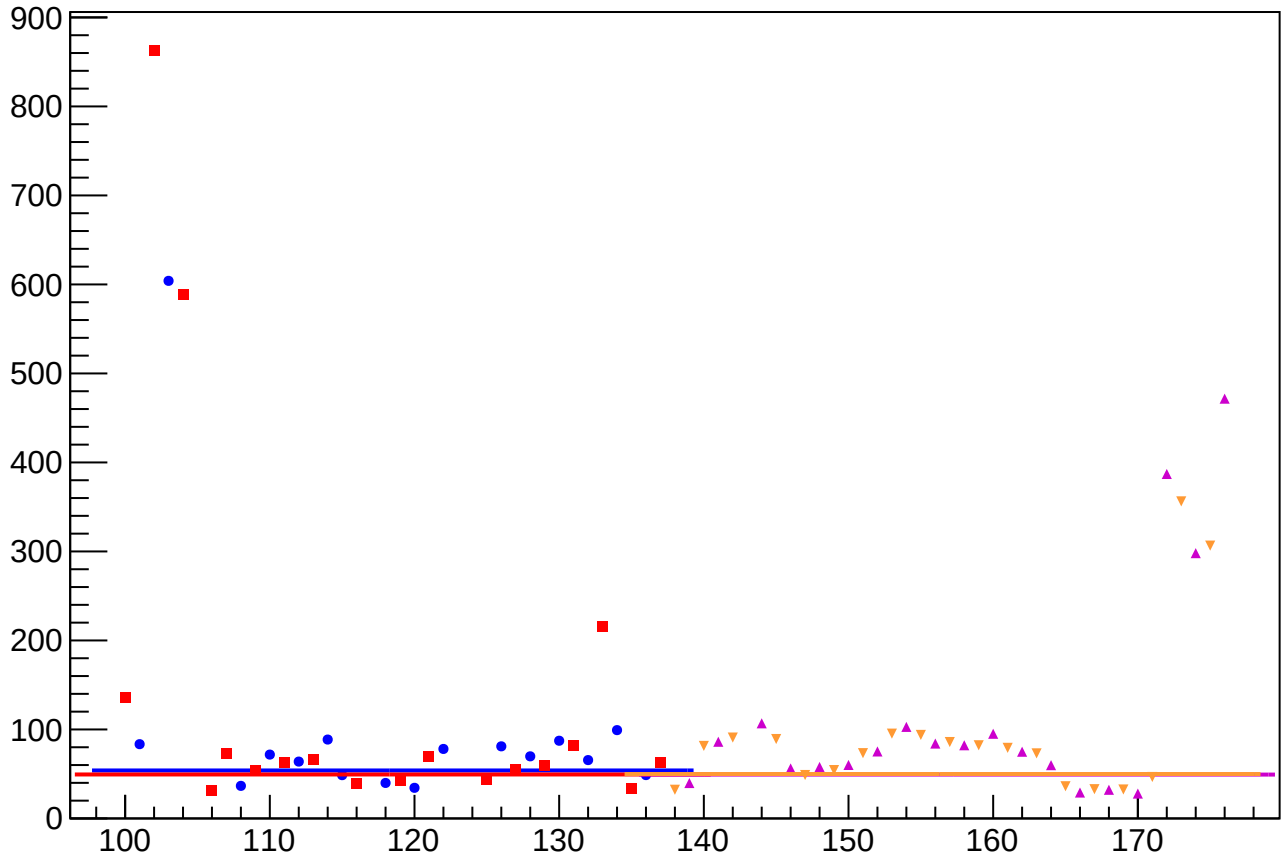
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.6/18

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/34

All: 0.008+/-0.009 χ^2/NDF: 76.3/71

- sign -0.002+/-0.013 χ^2/NDF: 27.3/36



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 49.918+/-0.011 χ^2/NDF:5878777.6/18

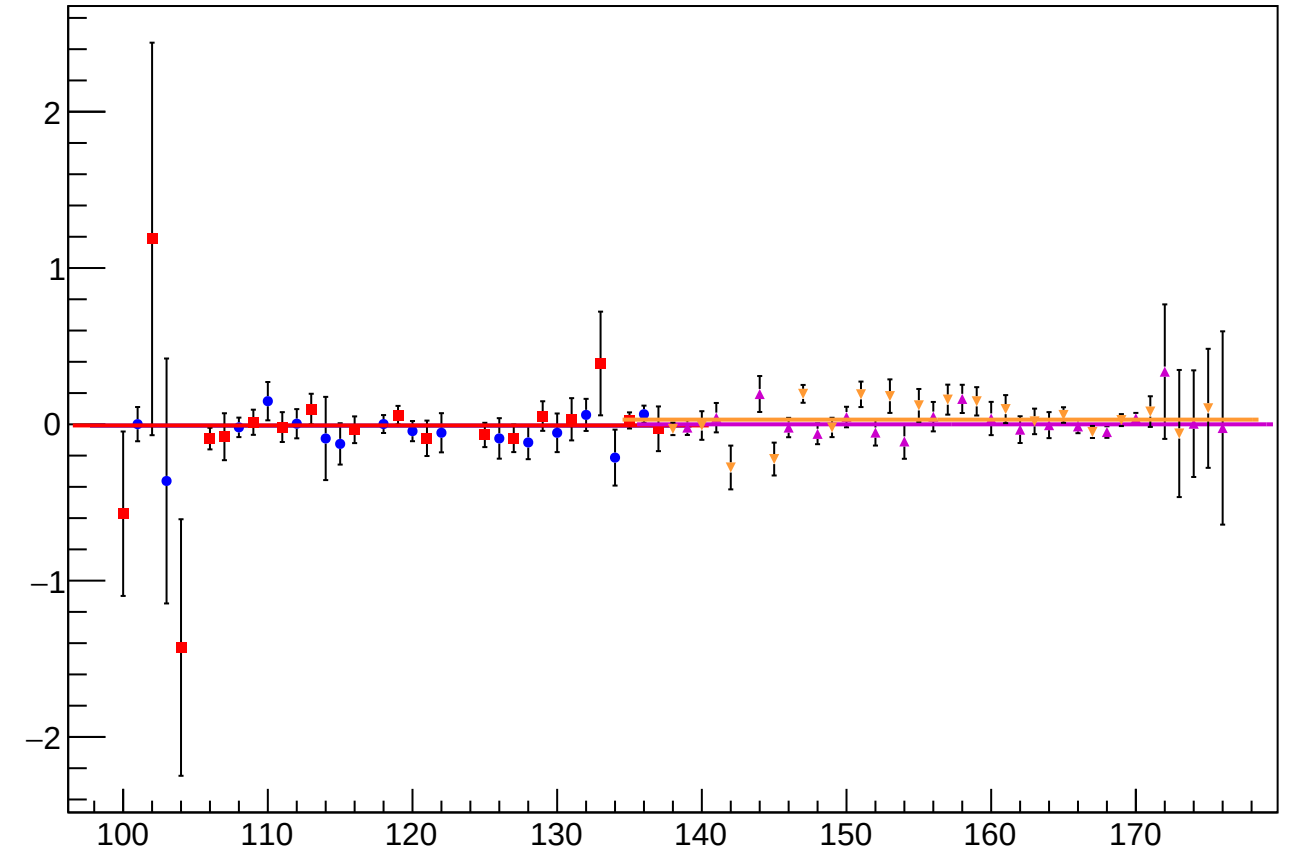
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.290+/-0.011 χ^2/NDF:7628171.4/18

+ sign 51.160+/-0.009 χ^2/NDF: 8134647.1/34

All: 50.226+/-0.006 χ^2/NDF: 18801225.5/71

- sign 49.332+/-0.009 χ^2/NDF: 10645936.7/36



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

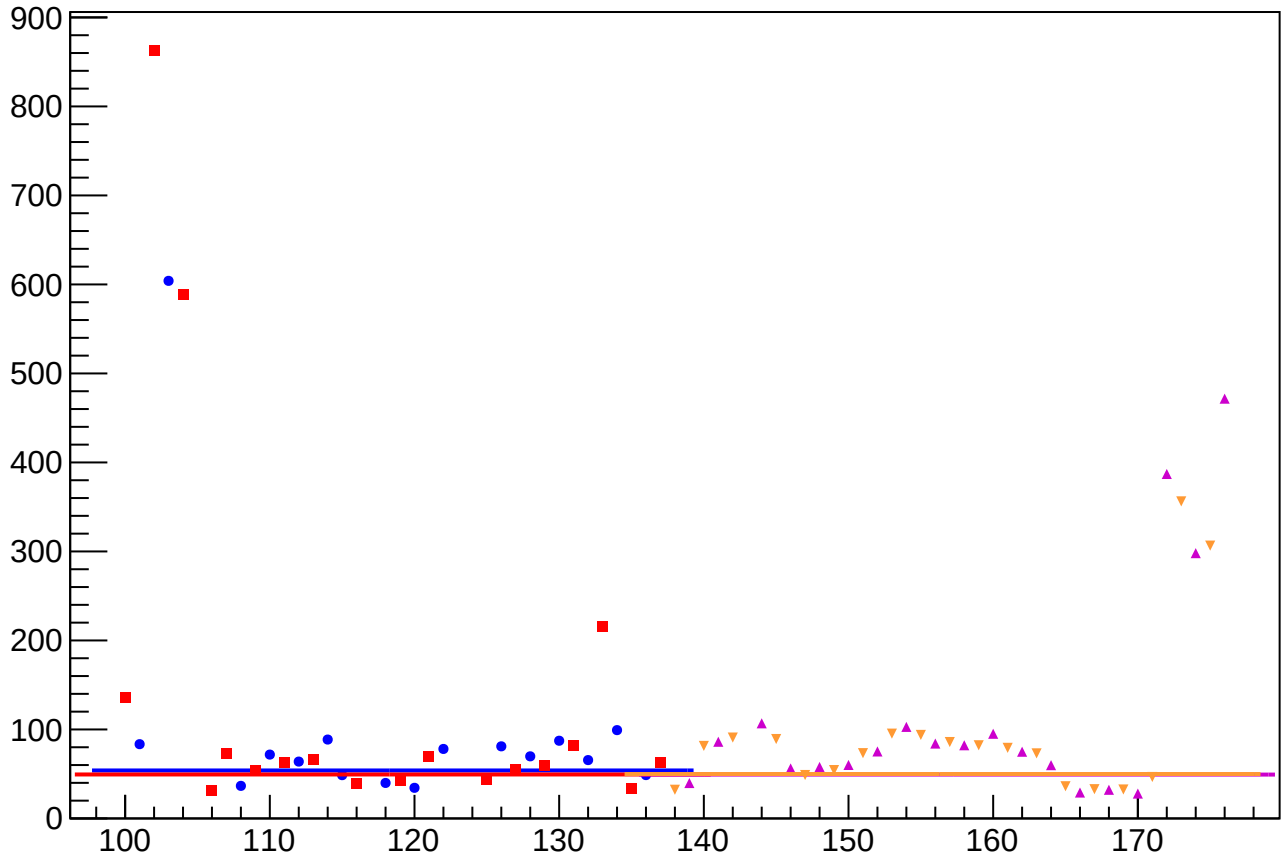
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.6/18

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/34

All: 0.008+/-0.009 χ^2/NDF: 76.3/71

- sign -0.002+/-0.013 χ^2/NDF: 27.3/36



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 49.918+/-0.011 χ^2/NDF:5878777.6/18

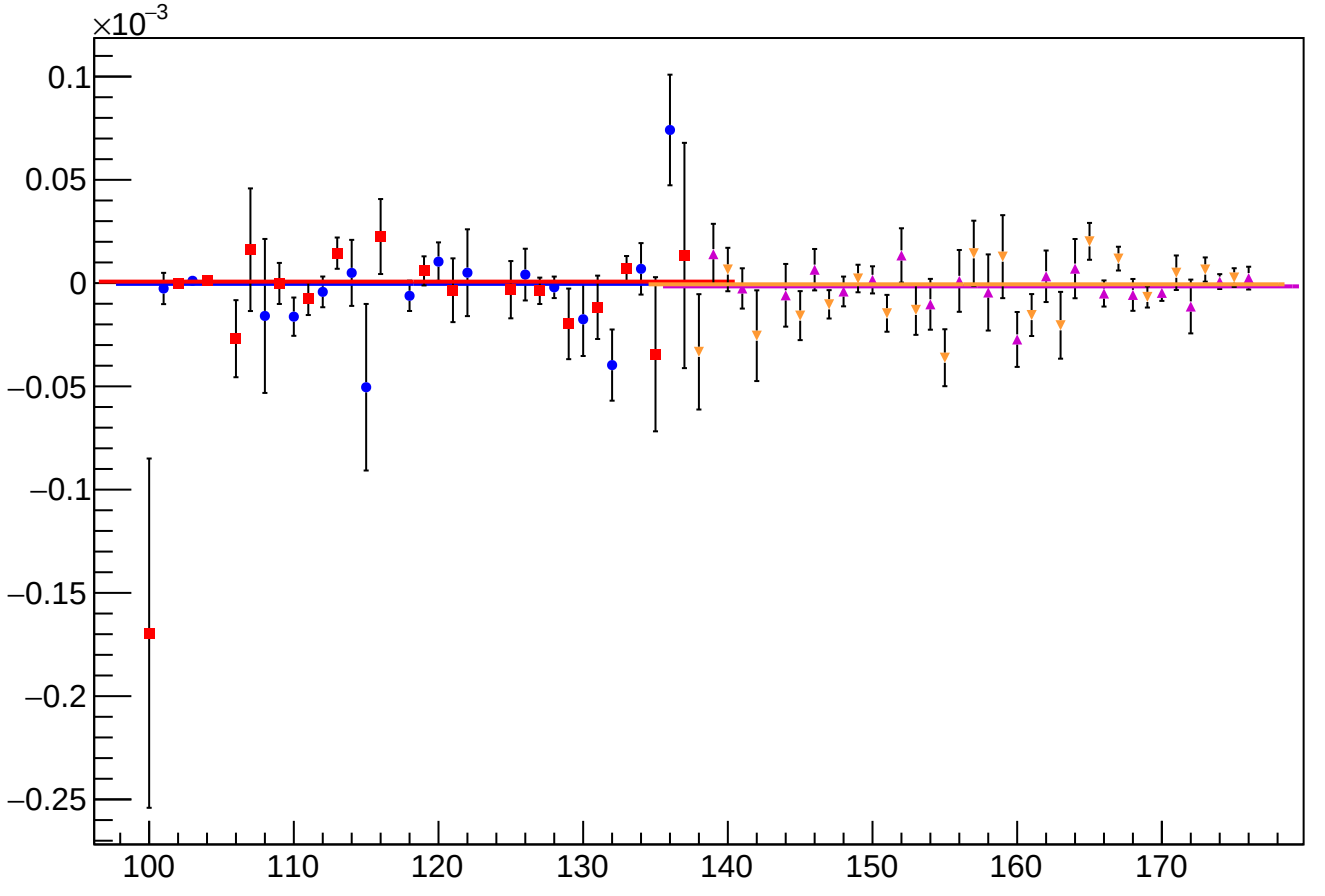
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.290+/-0.011 χ^2/NDF:7628171.4/18

+ sign 51.160+/-0.009 χ^2/NDF: 8134647.1/34

All: 50.226+/-0.006 χ^2/NDF: 18801225.5/71

- sign 49.332+/-0.009 χ^2/NDF: 10645936.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/18

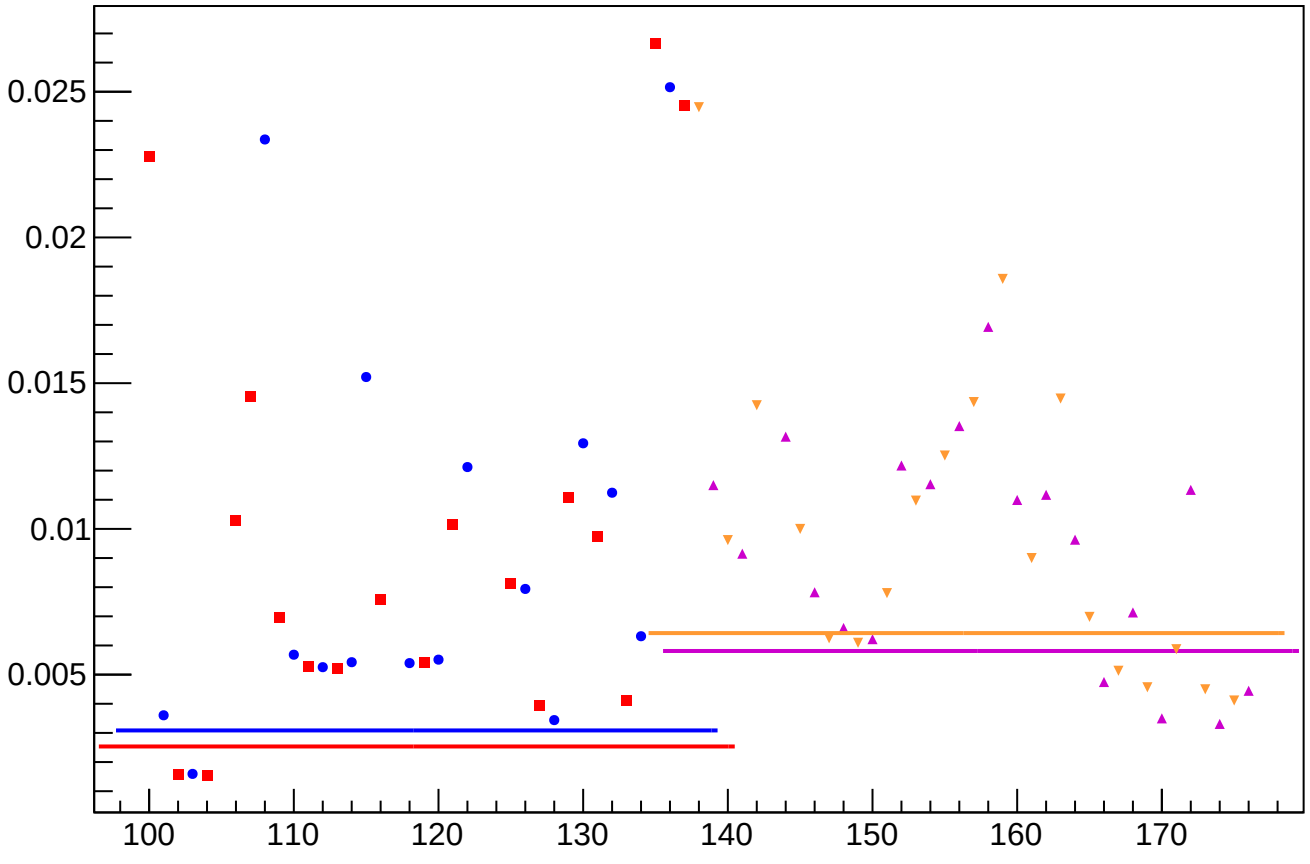
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:11.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 58.2/34

All: -0.000+/-0.000 χ^2/NDF: 88.3/71

- sign -0.000+/-0.000 χ^2/NDF: 30.0/36



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:5161692.4/18

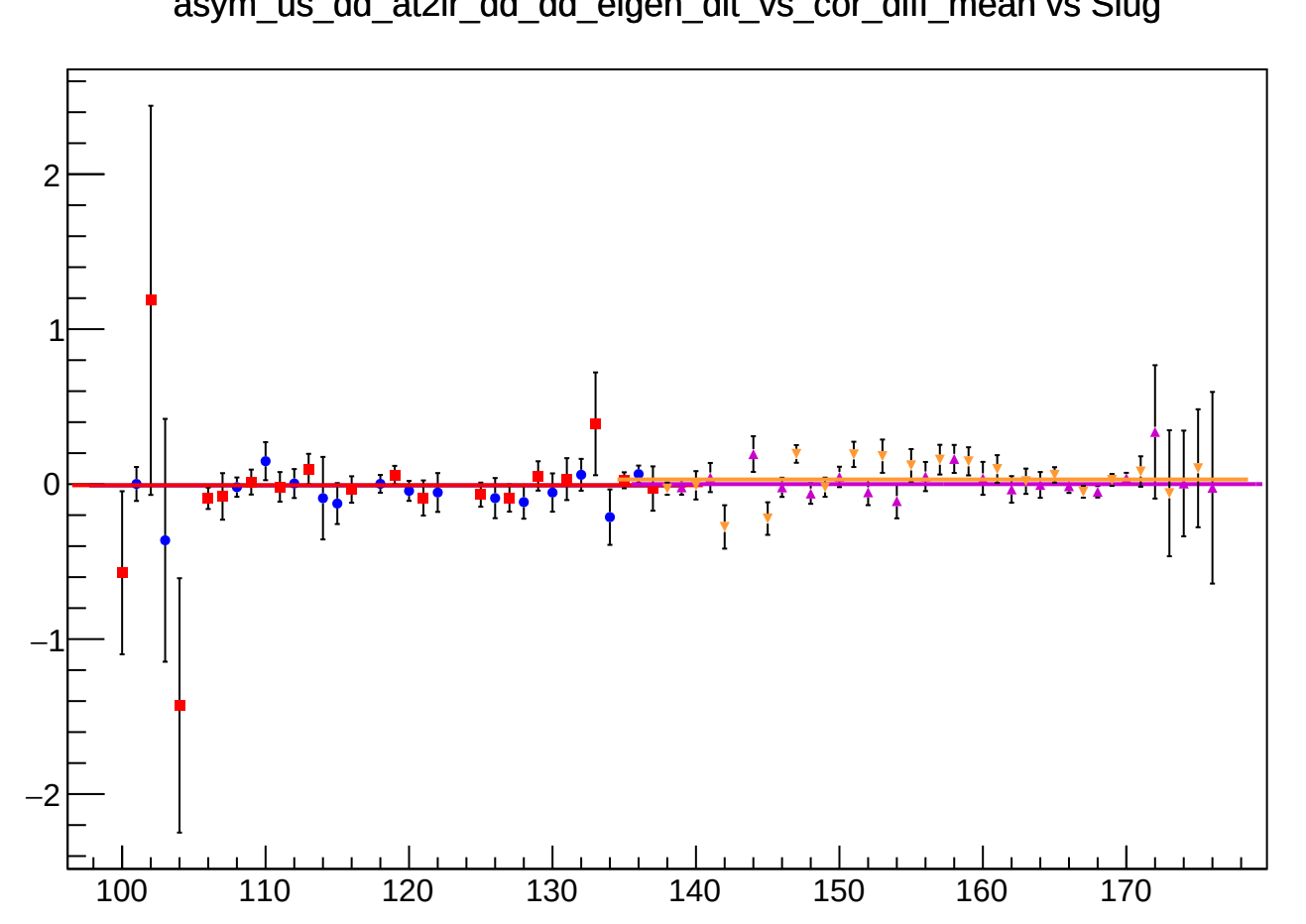
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.006+/-0.000 χ^2/NDF:6361457.2/18

+ sign 0.005+/-0.000 χ^2/NDF: 14548275.6/34

All: 0.004+/-0.000 χ^2/NDF: 32326988.2/71

- sign 0.004+/-0.000 χ^2/NDF: 17244706.4/36



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

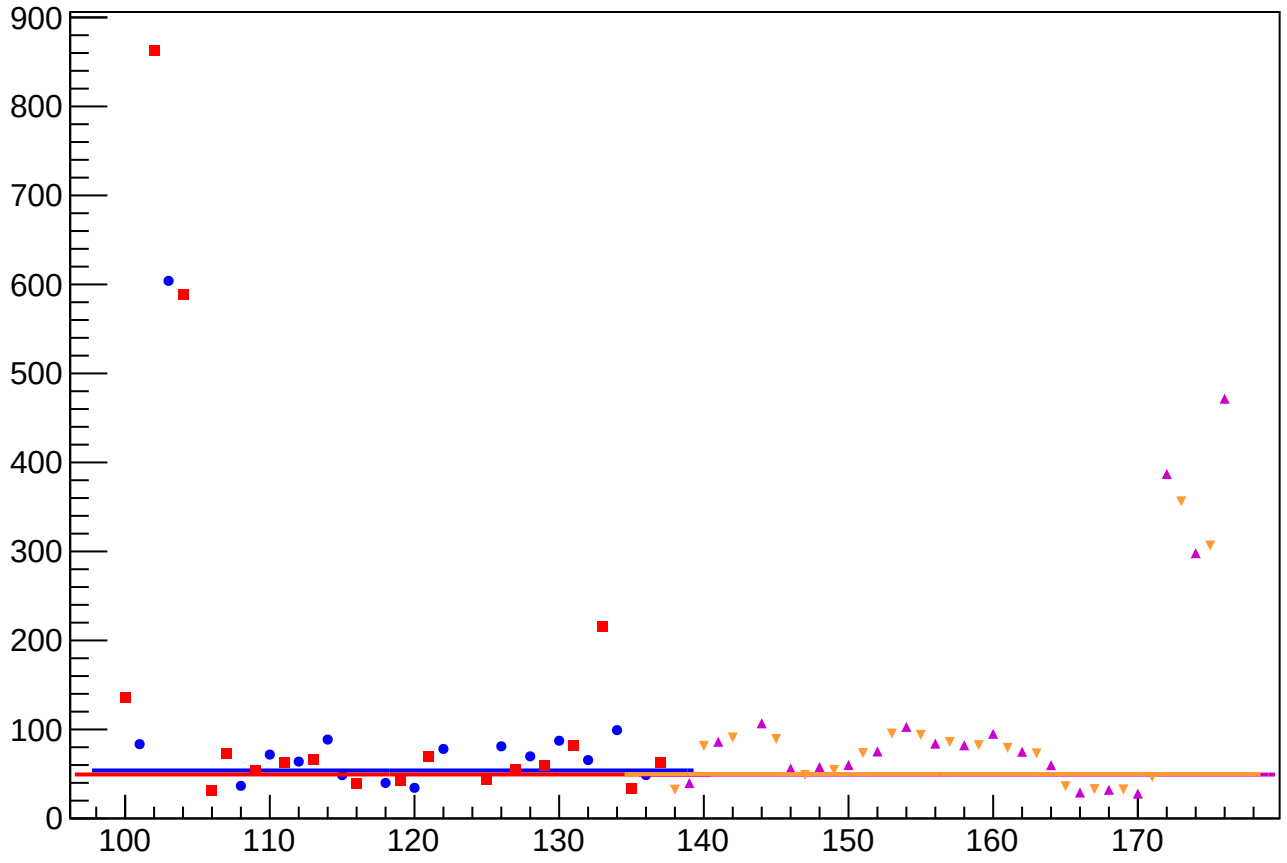
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.6/18

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/34

All: 0.008+/-0.009 χ^2/NDF: 76.3/71

- sign -0.002+/-0.013 χ^2/NDF: 27.3/36



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 49.920+/-0.011 χ^2/NDF:5877991.4/18

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

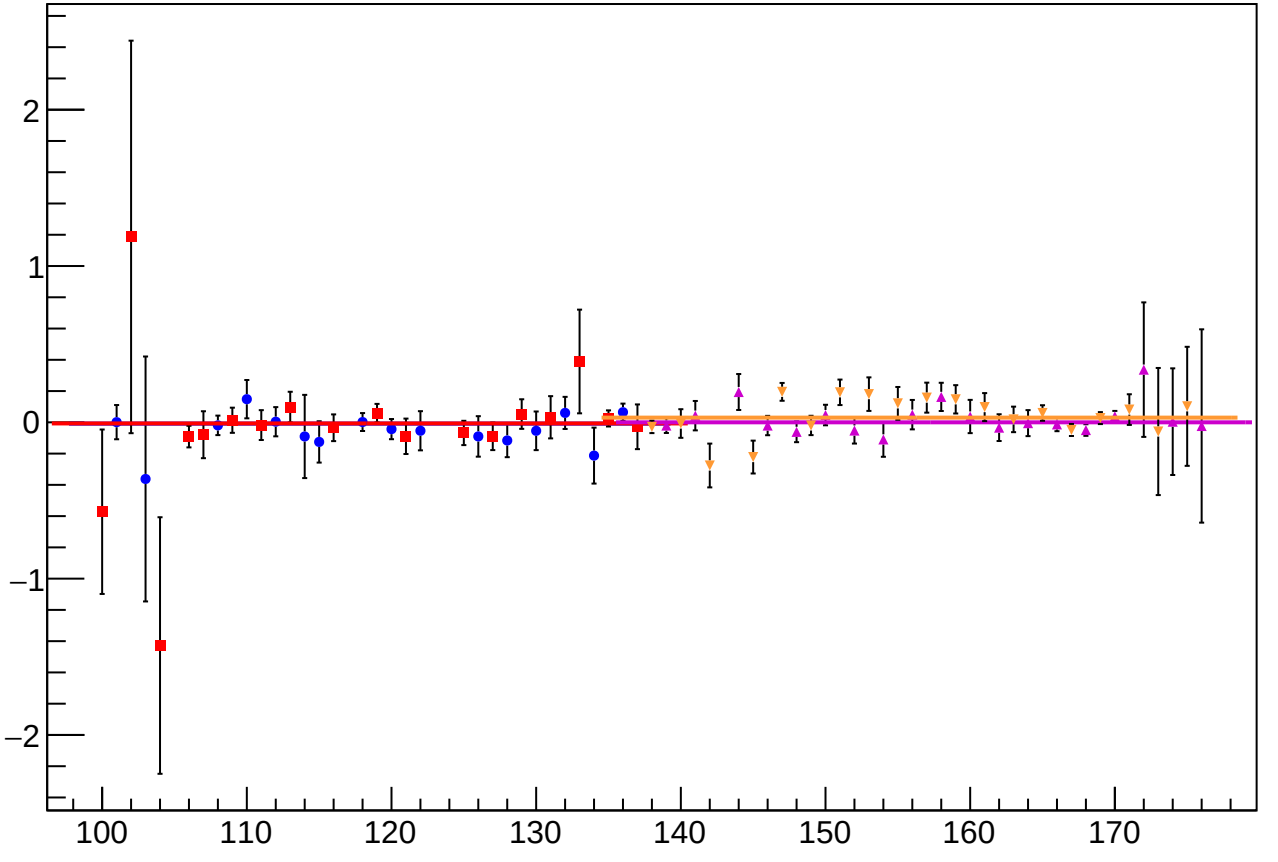
Left In: 49.290+/-0.011 χ^2/NDF:7628108.9/18

\+ sign 51.163+/-0.009 χ^2/NDF: 8133479.7/34

All: 50.228+/-0.006 χ^2/NDF: 18799761.2/71

\- sign 49.332+/-0.009 χ^2/NDF: 10645596.7/36

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

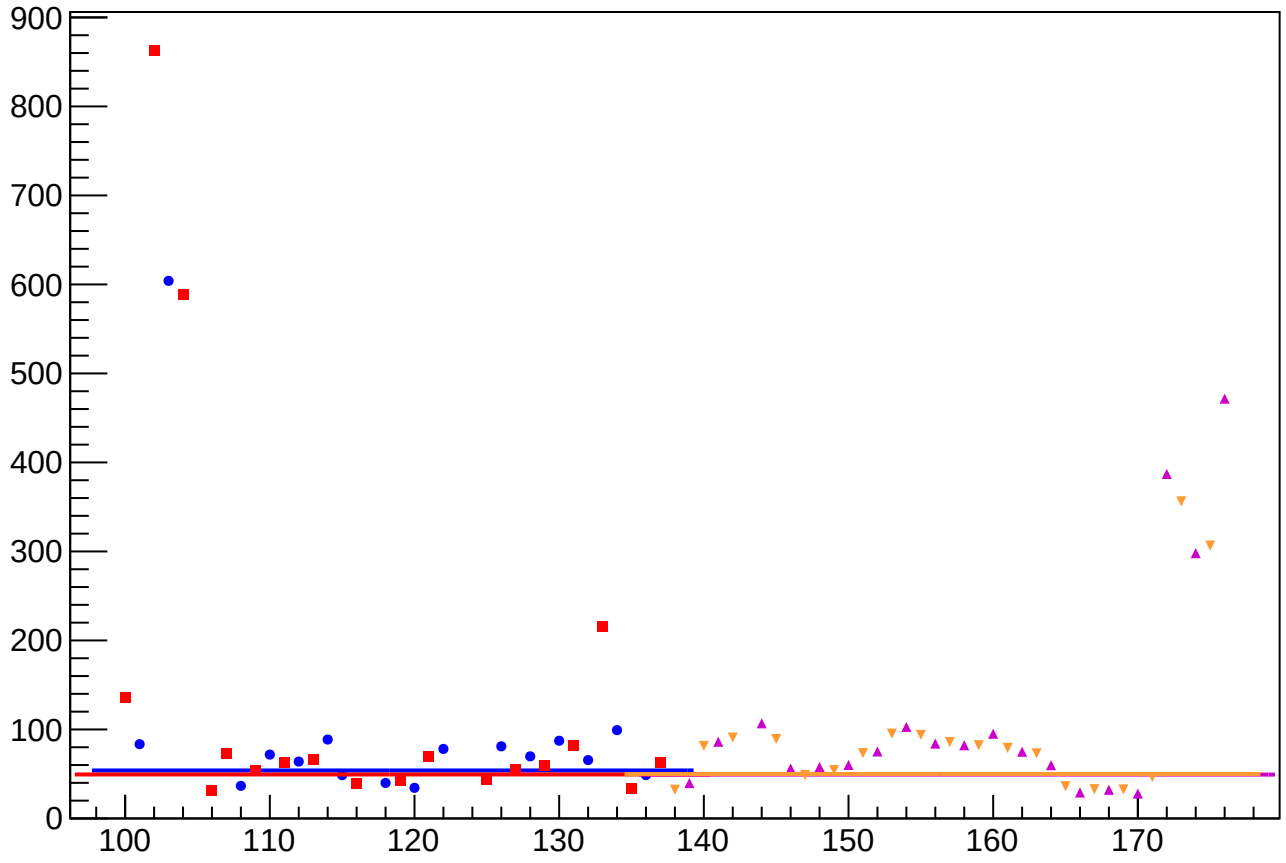
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.6/18

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/34

All: 0.008+/-0.009 χ^2/NDF: 76.3/71

- sign -0.002+/-0.013 χ^2/NDF: 27.3/36



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 49.920+/-0.011 χ^2/NDF:5877991.4/18

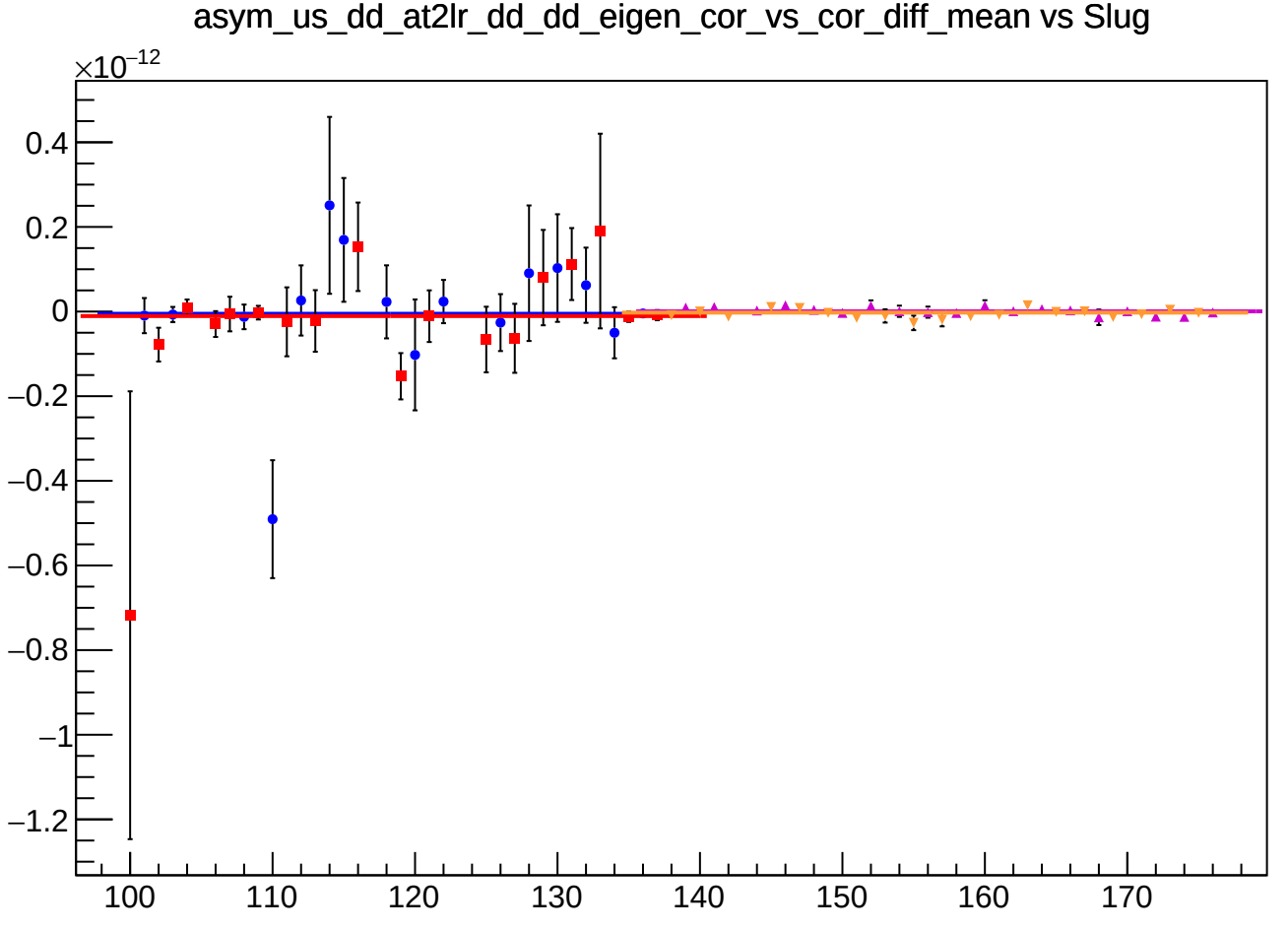
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.290+/-0.011 χ^2/NDF:7628108.9/18

+ sign 51.163+/-0.009 χ^2/NDF: 8133479.7/34

All: 50.228+/-0.006 χ^2/NDF: 18799761.2/71

- sign 49.332+/-0.009 χ^2/NDF: 10645596.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/18

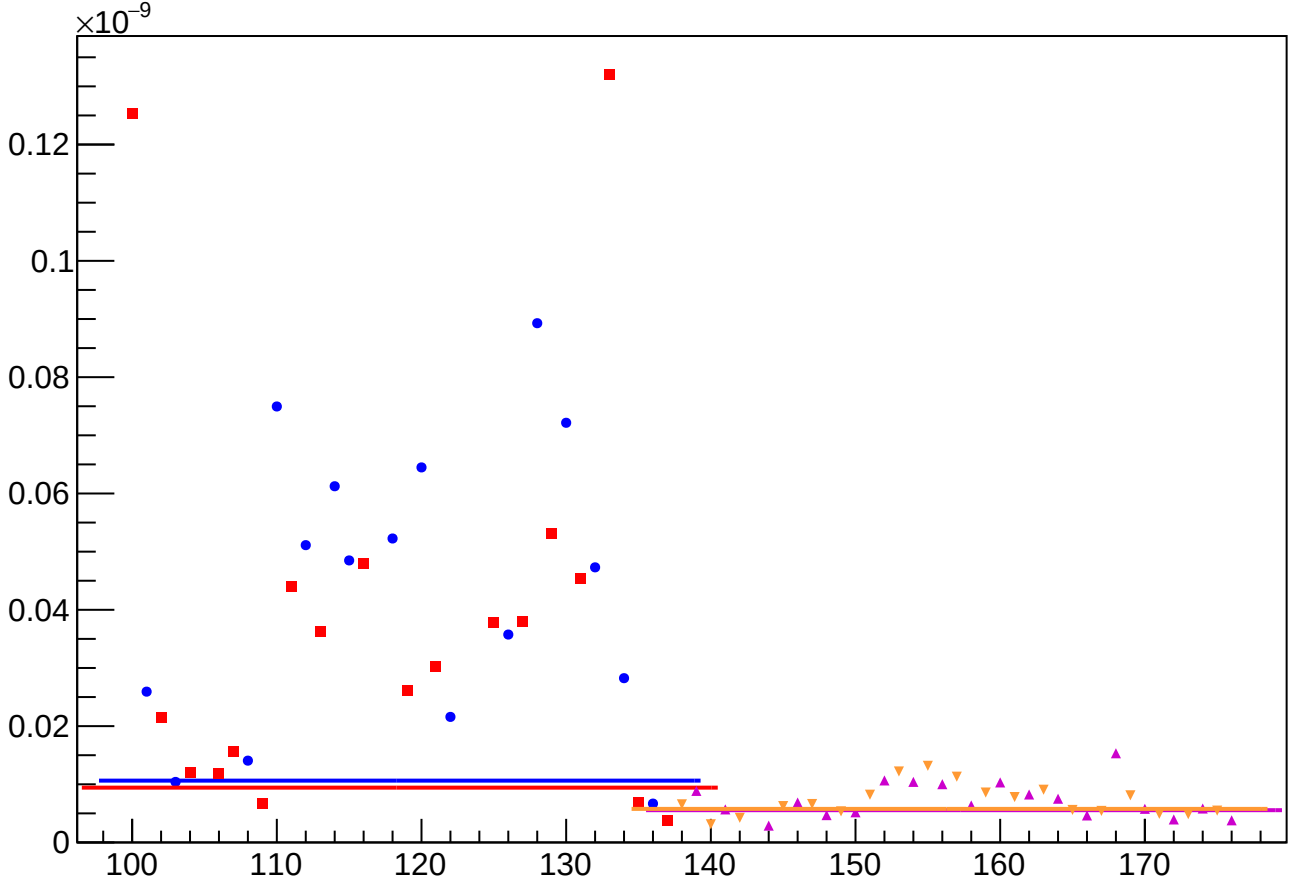
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:17.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/34

All: -0.000+/-0.000 χ^2/NDF: 76.2/71

- sign -0.000+/-0.000 χ^2/NDF: 39.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2390593.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

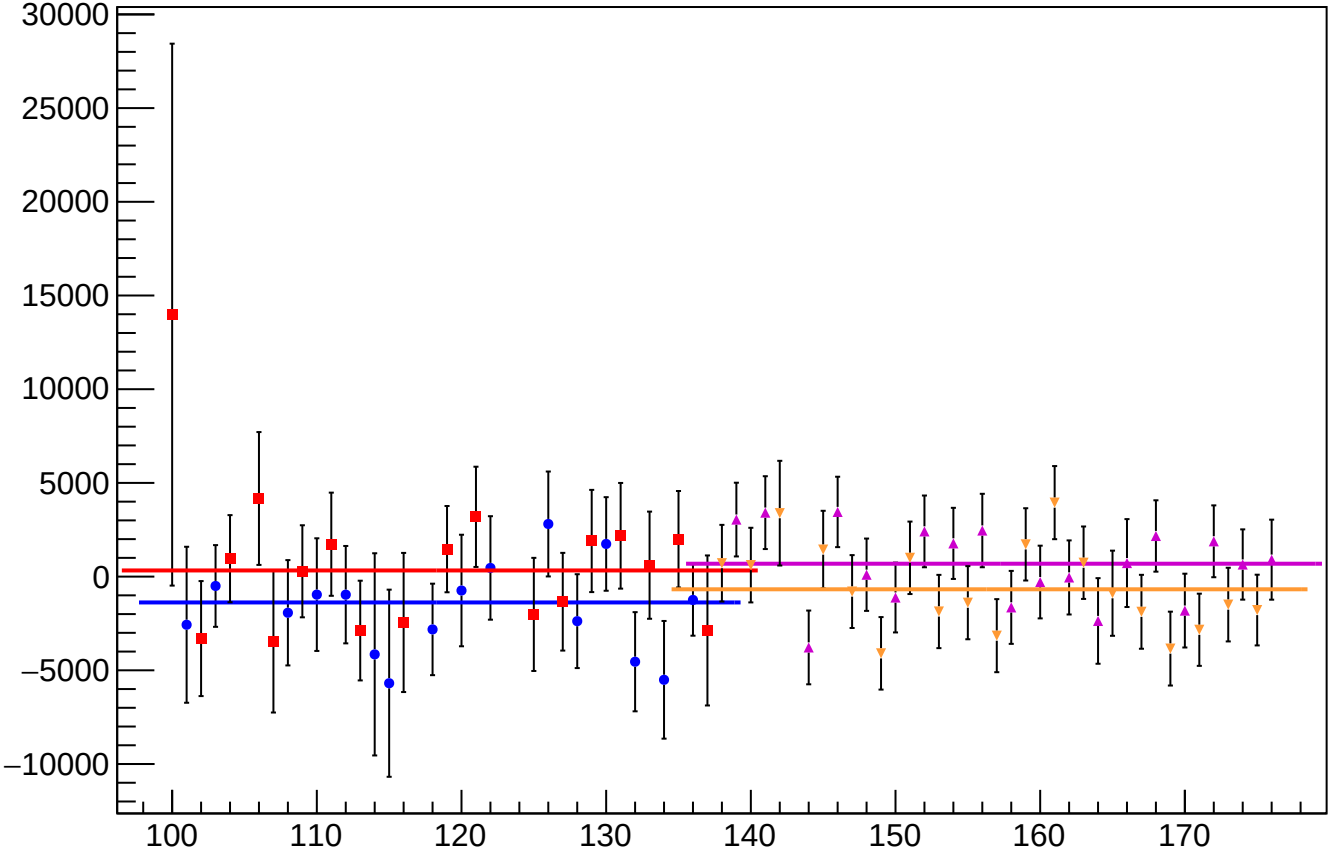
Left In: 0.000+/-0.000 χ^2/NDF:3037985.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 7884316.2/34

All: 0.000+/-0.000 χ^2/NDF: 15642017.1/71

- sign 0.000+/-0.000 χ^2/NDF: 7733272.7/36

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -676.924+/-458.509 χ^2/NDF:22.5/18

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

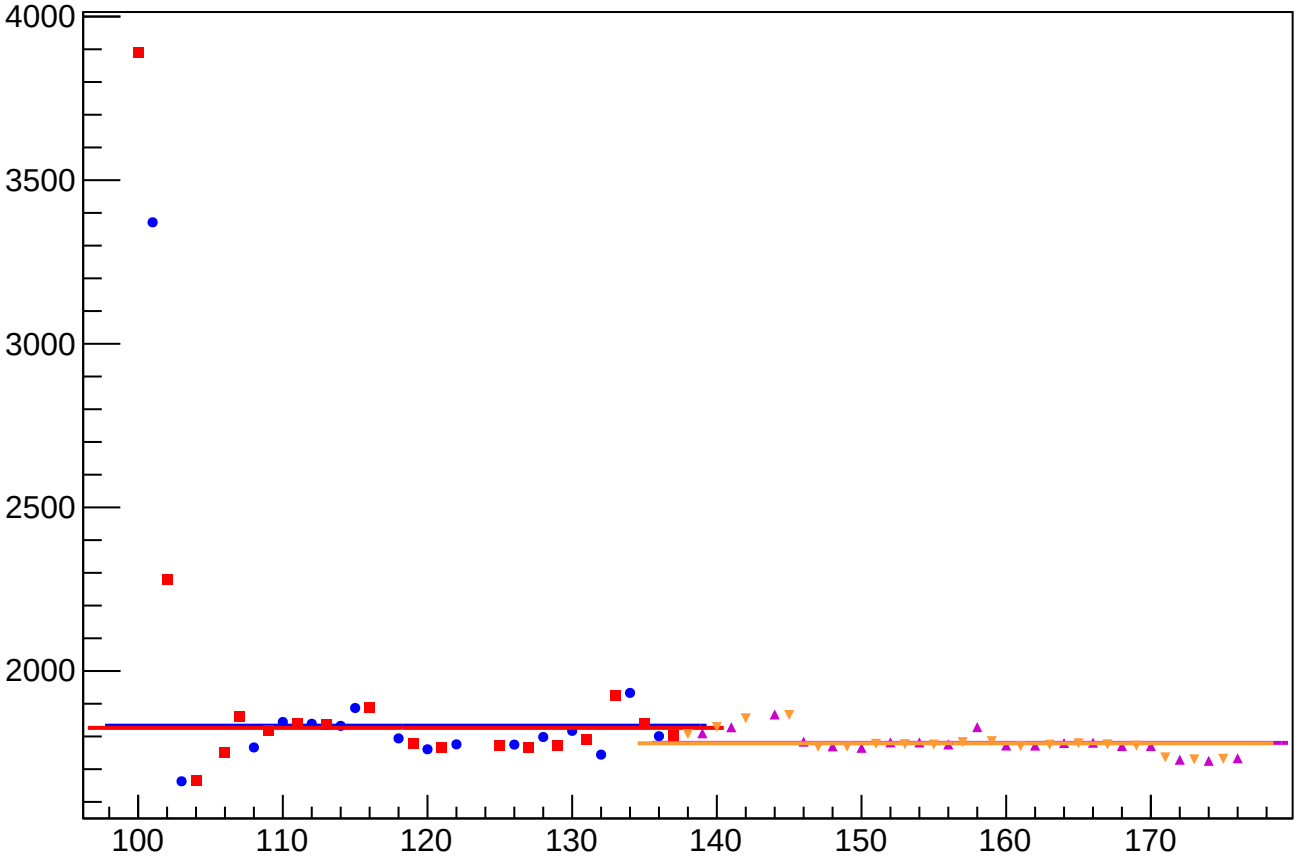
Left In: 687.637+/-451.694 χ^2/NDF:19.9/18

+ sign -892.324+/-381.718 χ^2/NDF: 32.5/34

All: -147.511+/-268.198 χ^2/NDF: 71.2/71

- sign 578.636+/-376.905 χ^2/NDF: 31.2/36

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1779.090+/-0.324 χ^2/NDF:10351.5/18

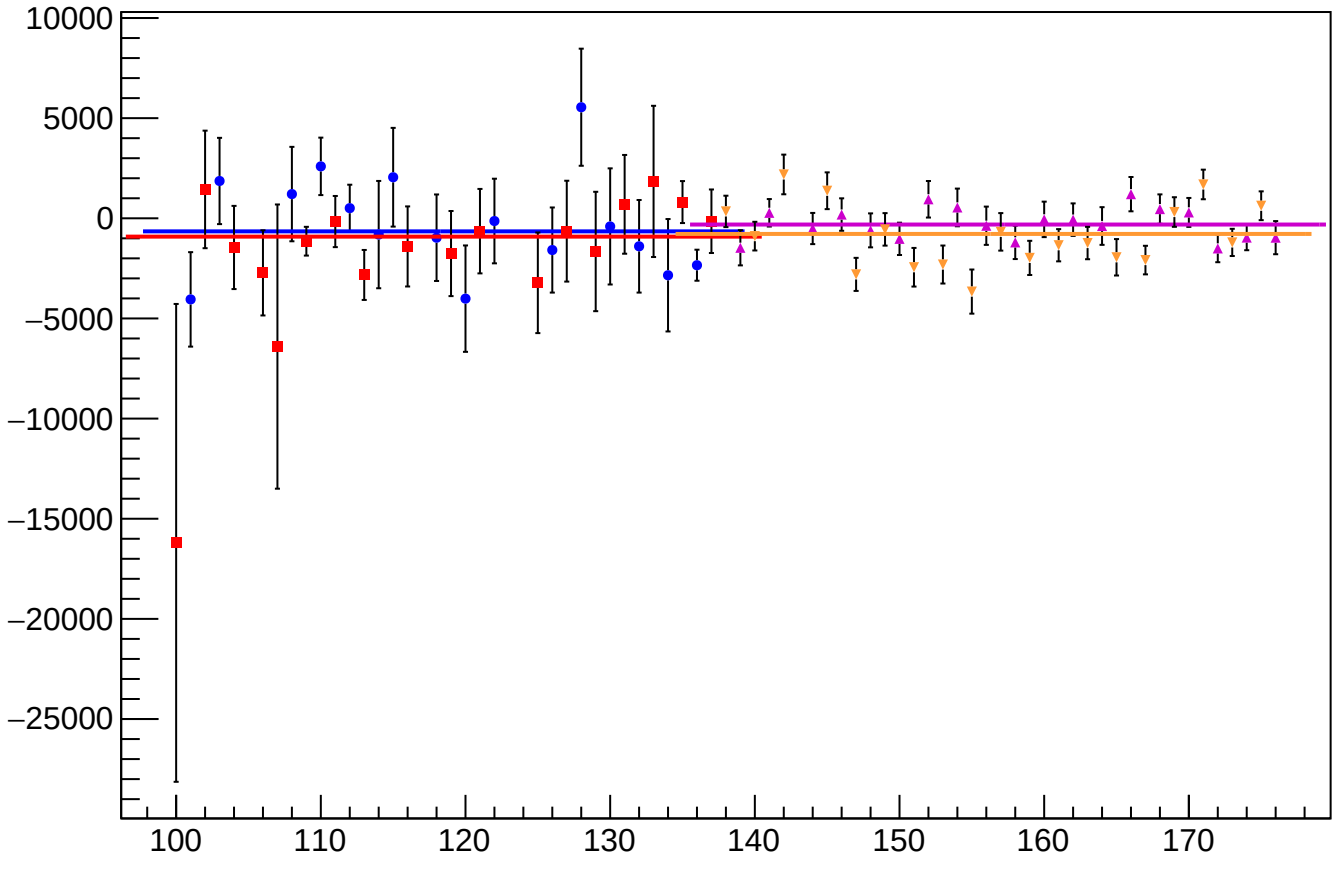
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1780.408+/-0.319 χ^2/NDF:11267.0/18

\+ sign 1795.619+/-0.270 χ^2/NDF: 314259.8/34

All: 1794.961+/-0.190 χ^2/NDF: 434790.7/71

\- sign 1794.319+/-0.267 χ^2/NDF: 120519.1/36



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -780.531+/-187.916 χ^2/NDF:60.4/18

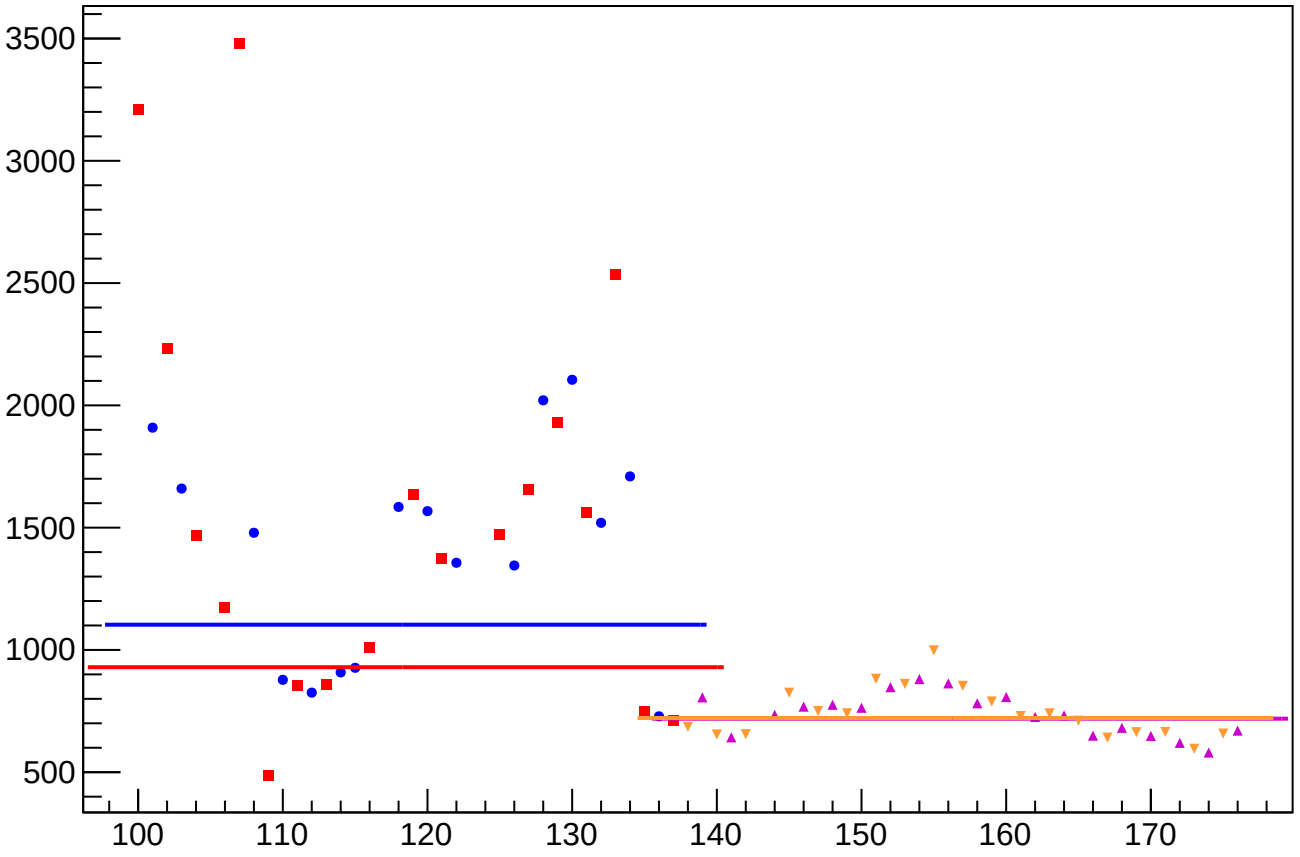
Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: -311.296+/-184.061 χ^2/NDF:17.5/18

\+ sign -760.857+/-172.944 χ^2/NDF: 83.7/34

All: -584.003+/-120.028 χ^2/NDF: 116.7/71

\- sign -419.655+/-166.717 χ^2/NDF: 31.0/36



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 721.576+/-0.133 χ^2/NDF:471803.4/18

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

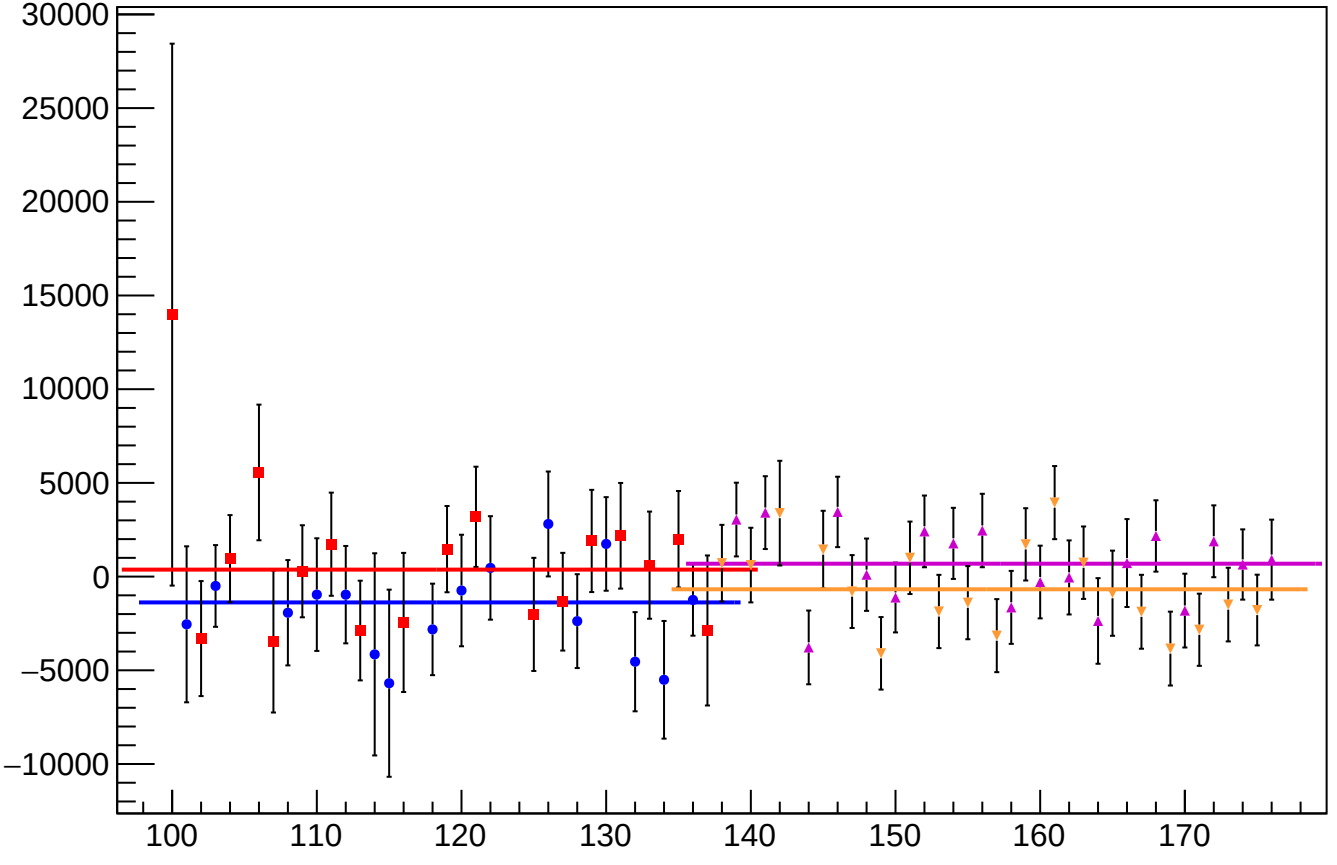
Left In: 718.912+/-0.130 χ^2/NDF:426161.0/18

+ sign 779.964+/-0.122 χ^2/NDF: 3611907.9/34

All: 767.907+/-0.085 χ^2/NDF: 7580404.1/71

- sign 756.703+/-0.118 χ^2/NDF: 3949743.5/36

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -676.848+/-458.509 χ^2/NDF:22.5/18

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

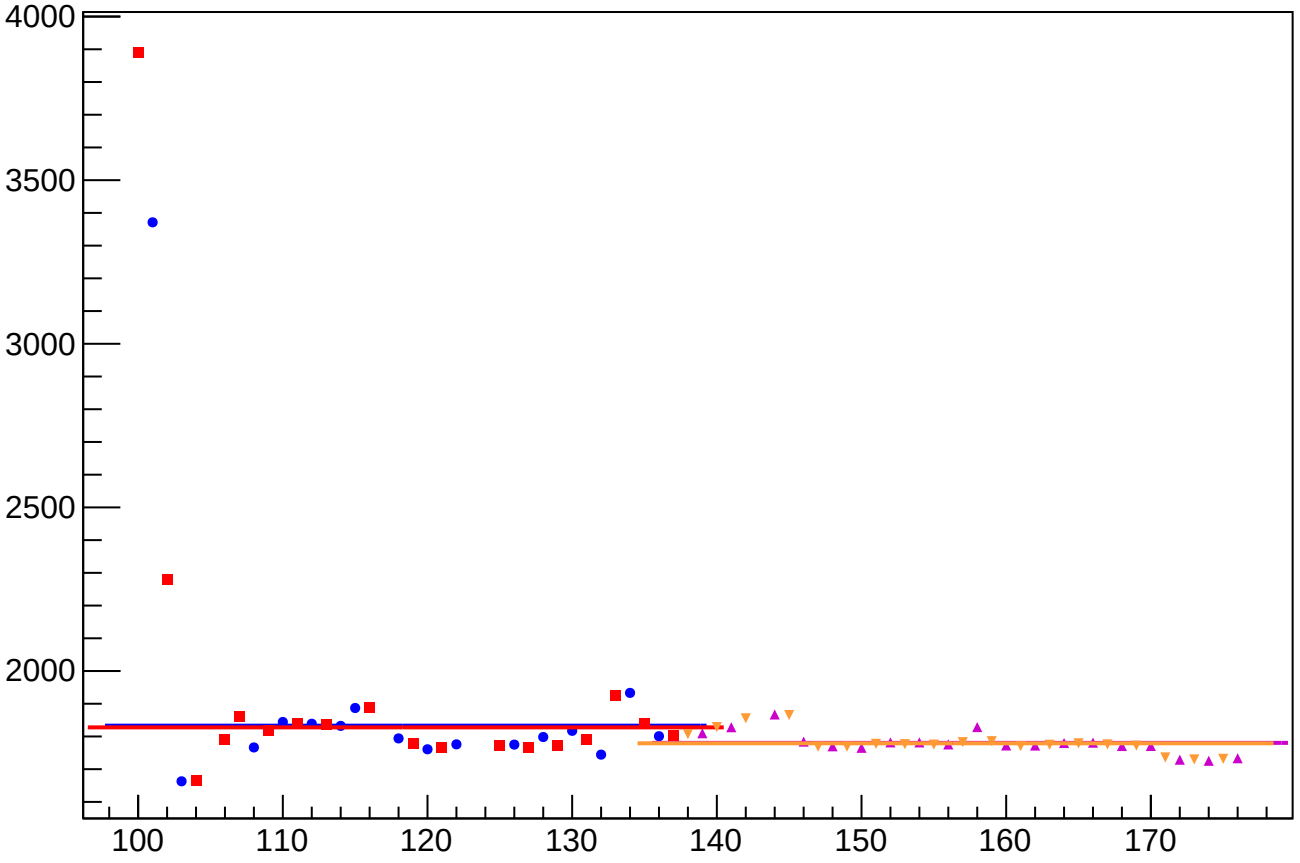
Left In: 687.542+/-451.694 χ^2/NDF:19.9/18

+ sign -892.079+/-381.718 χ^2/NDF: 32.5/34

All: -140.812+/-268.229 χ^2/NDF: 72.2/71

- sign 591.965+/-376.992 χ^2/NDF: 32.0/36

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1779.090+/-0.324 χ^2/NDF:10351.5/18

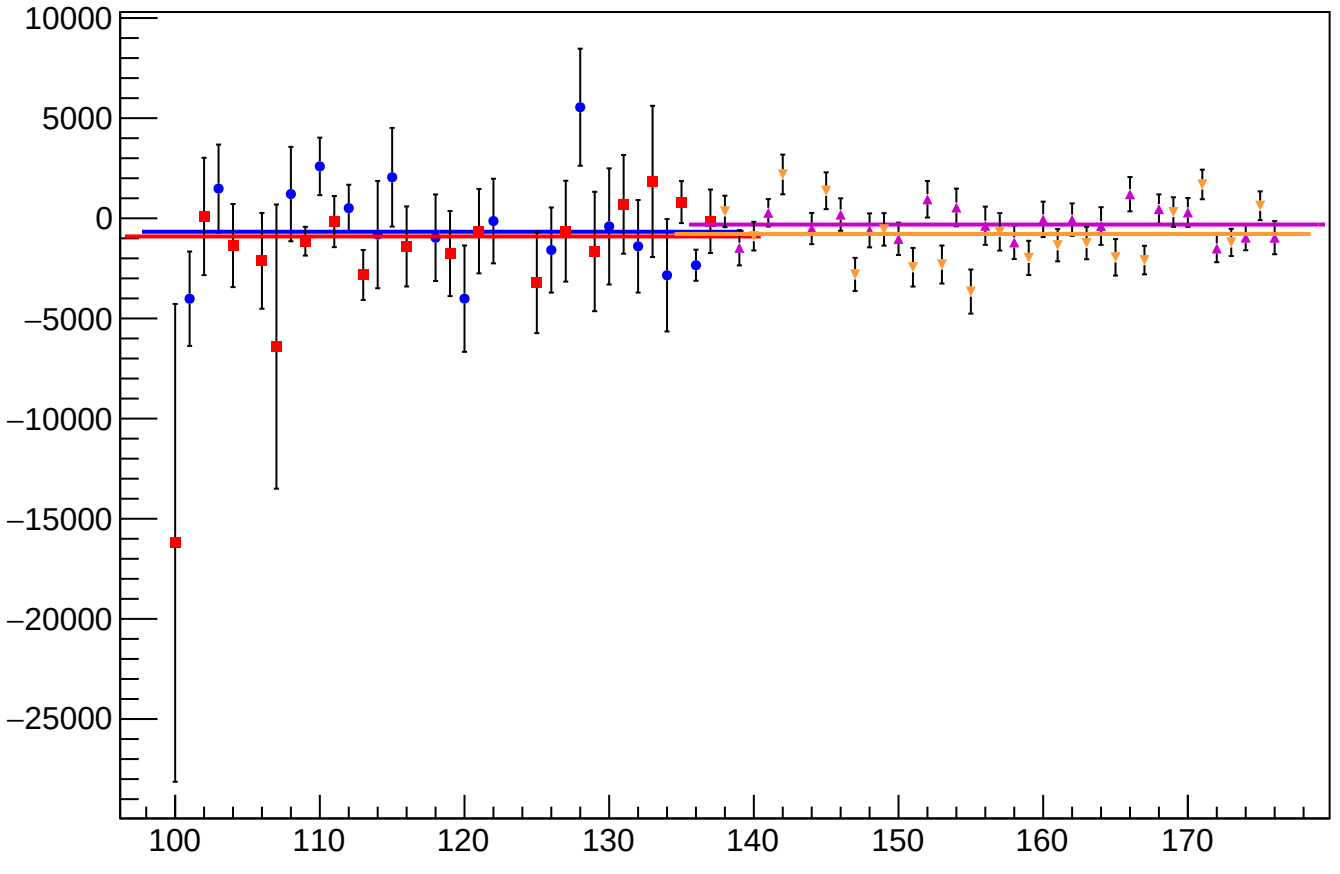
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1780.408+/-0.319 χ^2/NDF:11267.0/18

\+ sign 1795.619+/-0.270 χ^2/NDF: 314261.7/34

All: 1795.196+/-0.190 χ^2/NDF: 434479.8/71

\- sign 1794.783+/-0.267 χ^2/NDF: 120213.2/36



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -780.551+/-187.918 χ^2/NDF:60.4/18

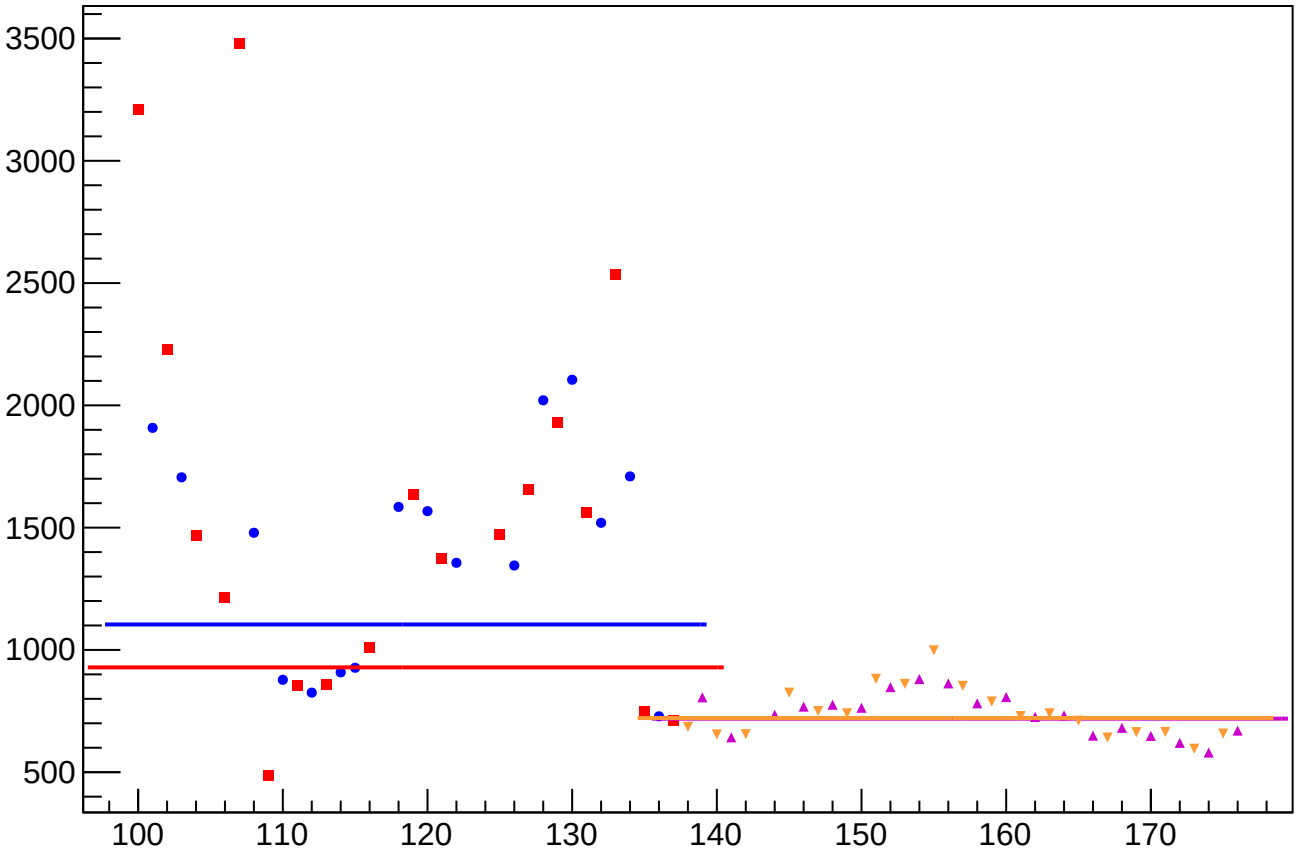
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -311.248+/-184.062 χ^2/NDF:17.5/18

+ sign -763.743+/-172.967 χ^2/NDF: 83.2/34

All: -584.317+/-120.075 χ^2/NDF: 115.2/71

- sign -417.411+/-166.824 χ^2/NDF: 29.9/36



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 721.584+/-0.133 χ^2/NDF:471752.1/18

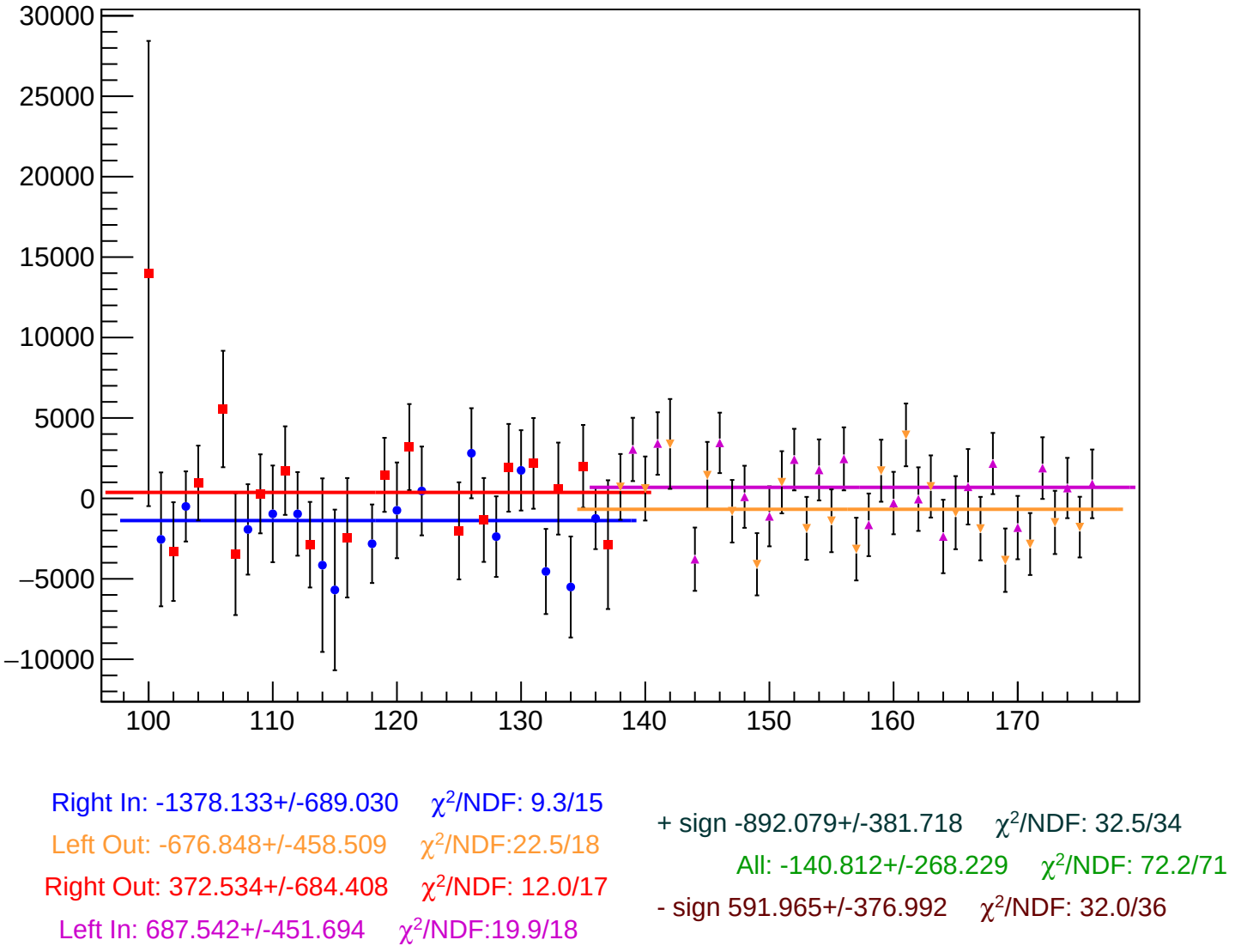
Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 718.917+/-0.130 χ^2/NDF:426187.1/18

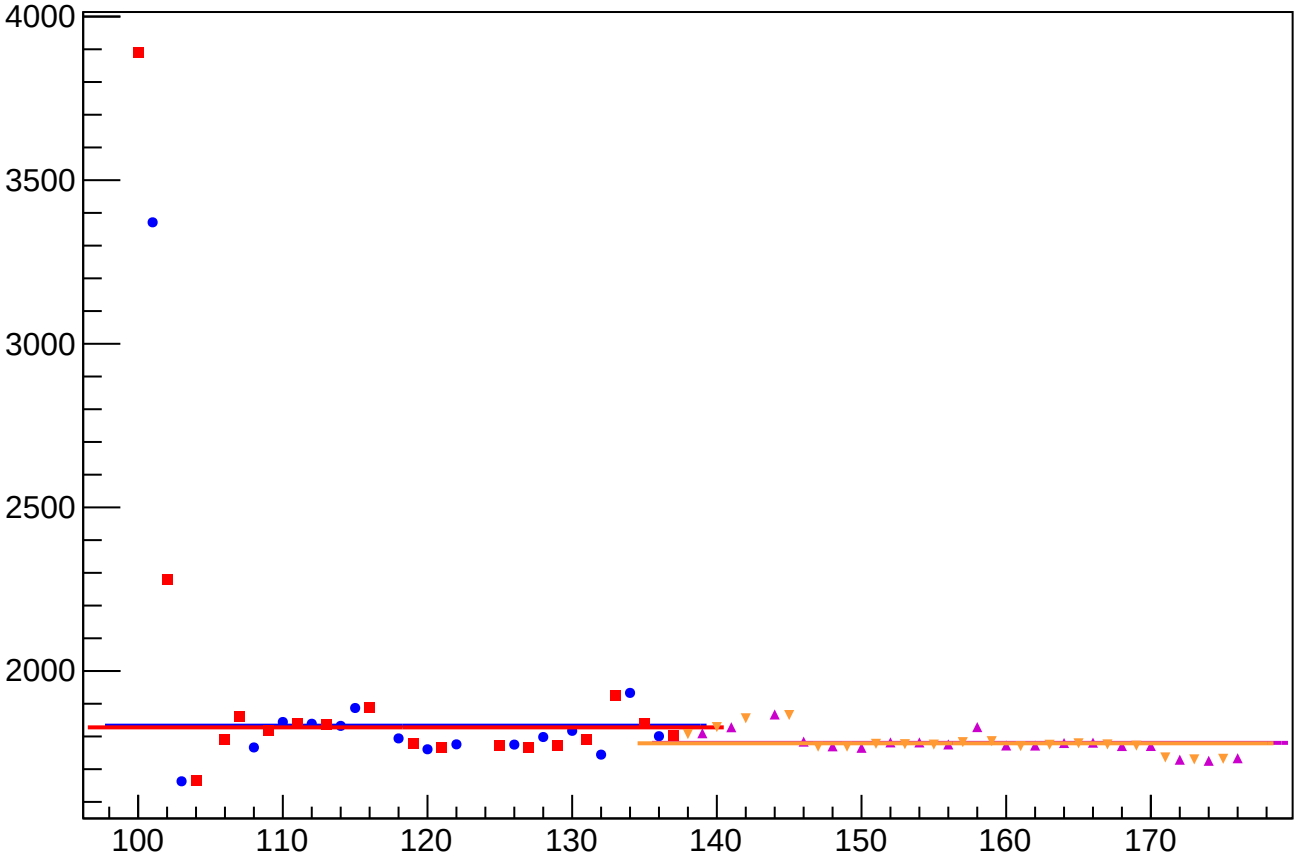
+ sign 780.028+/-0.122 χ^2/NDF: 3632401.3/34

All: 767.765+/-0.085 χ^2/NDF: 7595905.8/71

- sign 756.358+/-0.118 χ^2/NDF: 3944100.3/36


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -676.848+/-458.509 χ²/NDF:22.5/18
Right Out: 372.534+/-684.408 χ²/NDF: 12.0/17
Left In: 687.542+/-451.694 χ²/NDF:19.9/18
+ sign -892.079+/-381.718 χ²/NDF: 32.5/34
All: -140.812+/-268.229 χ²/NDF: 72.2/71
- sign 591.965+/-376.992 χ²/NDF: 32.0/36

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: 1779.090+/-0.324 χ^2/NDF:10351.5/18

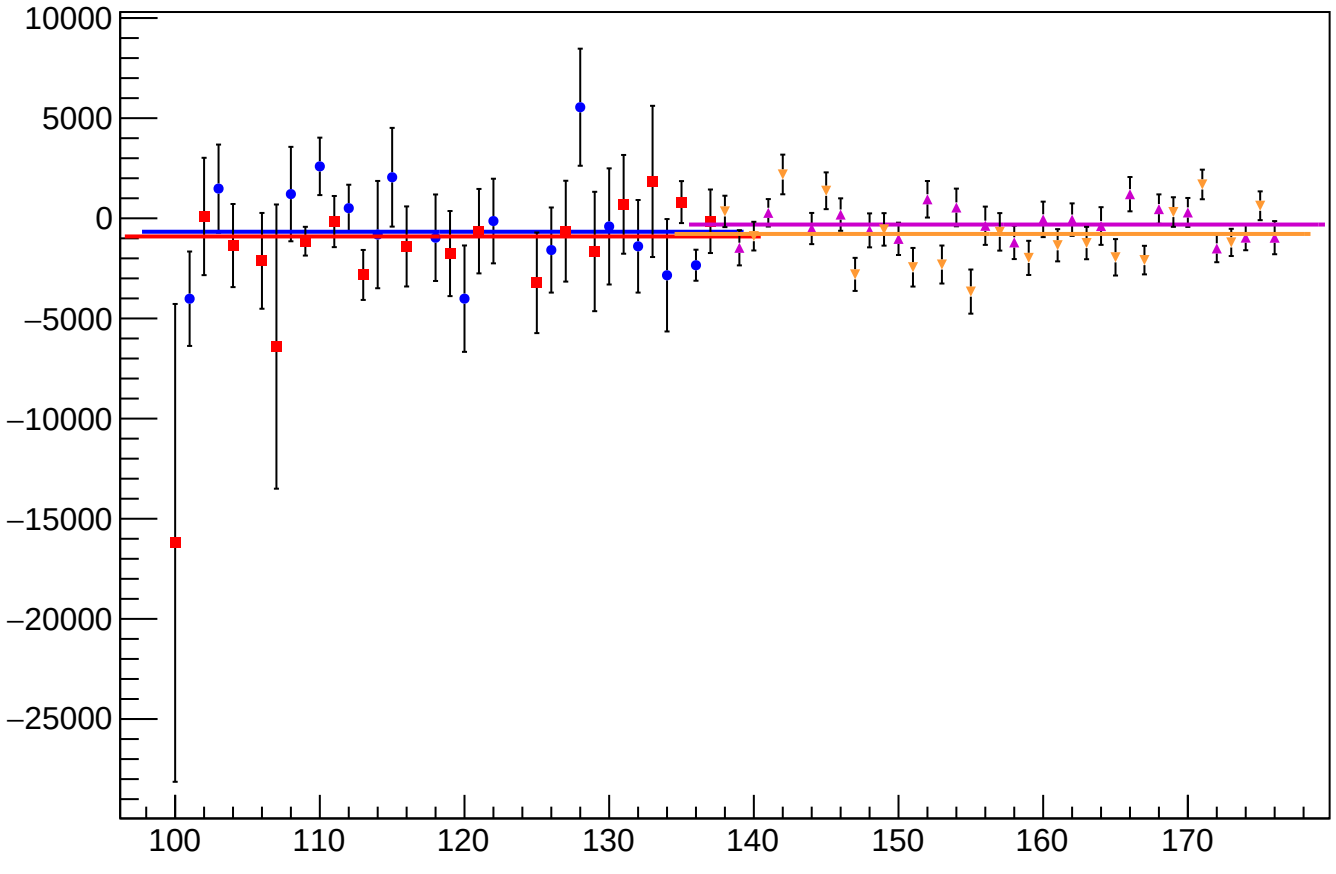
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1780.408+/-0.319 χ^2/NDF:11267.0/18

\+ sign 1795.619+/-0.270 χ^2/NDF: 314261.7/34

All: 1795.196+/-0.190 χ^2/NDF: 434479.8/71

\- sign 1794.783+/-0.267 χ^2/NDF: 120213.2/36



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -780.551+/-187.918 χ^2/NDF:60.4/18

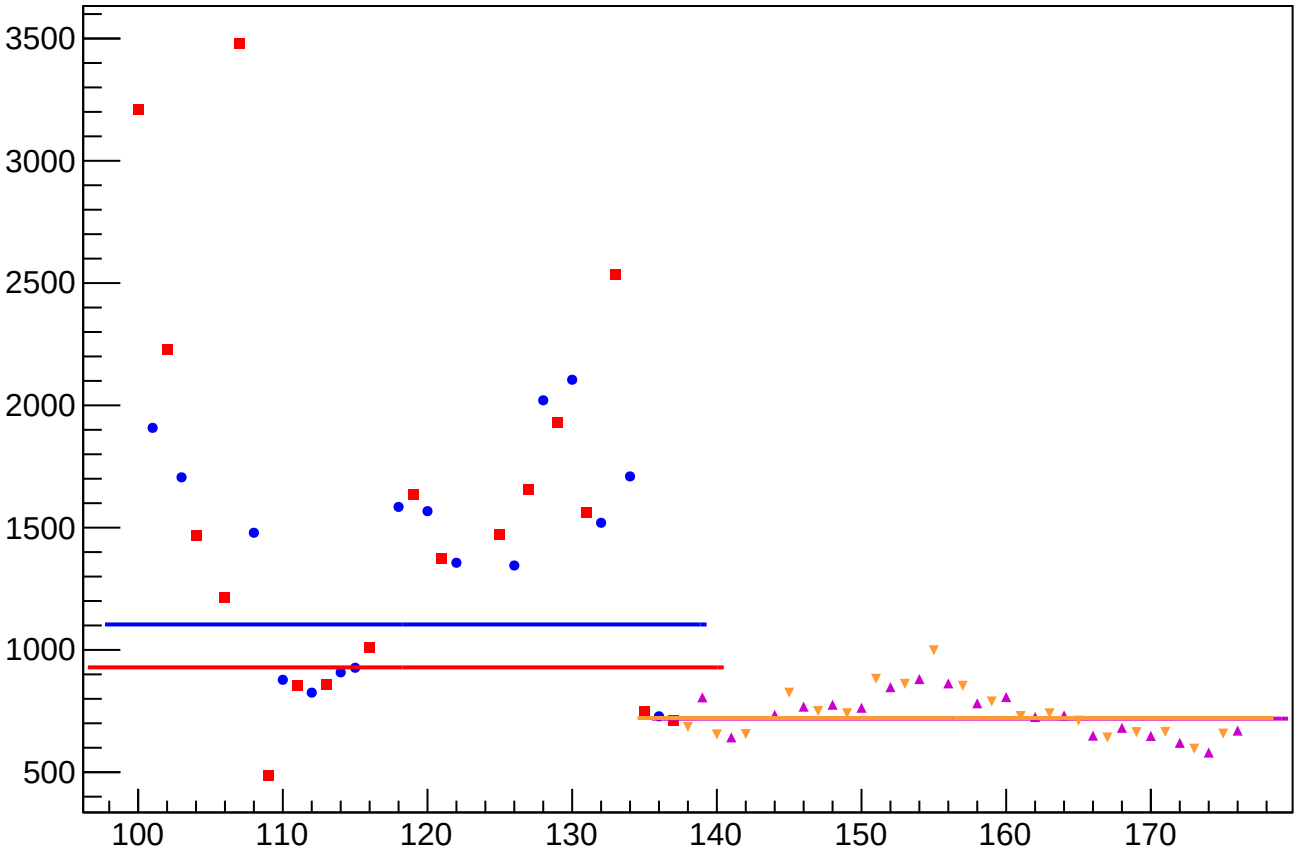
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -311.248+/-184.062 χ^2/NDF:17.5/18

+ sign -763.743+/-172.967 χ^2/NDF: 83.2/34

All: -584.317+/-120.075 χ^2/NDF: 115.2/71

- sign -417.411+/-166.824 χ^2/NDF: 29.9/36



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 721.584+/-0.133 χ^2/NDF:471752.1/18

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

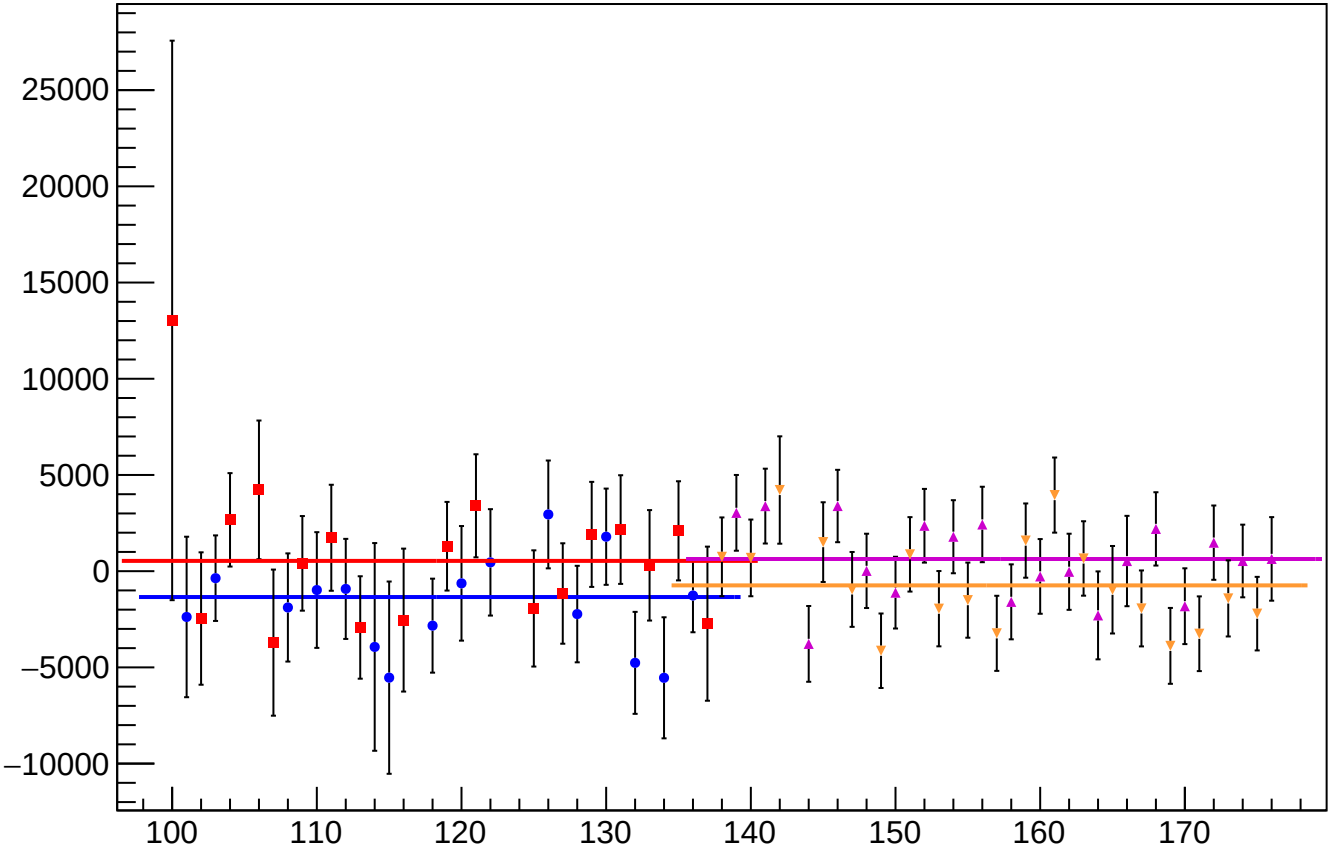
Left In: 718.917+/-0.130 χ^2/NDF:426187.1/18

\+ sign 780.028+/-0.122 χ^2/NDF: 3632401.3/34

All: 767.765+/-0.085 χ^2/NDF: 7595905.8/71

\- sign 756.358+/-0.118 χ^2/NDF: 3944100.3/36

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -738.230+/-459.463 χ^2/NDF:24.4/18

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

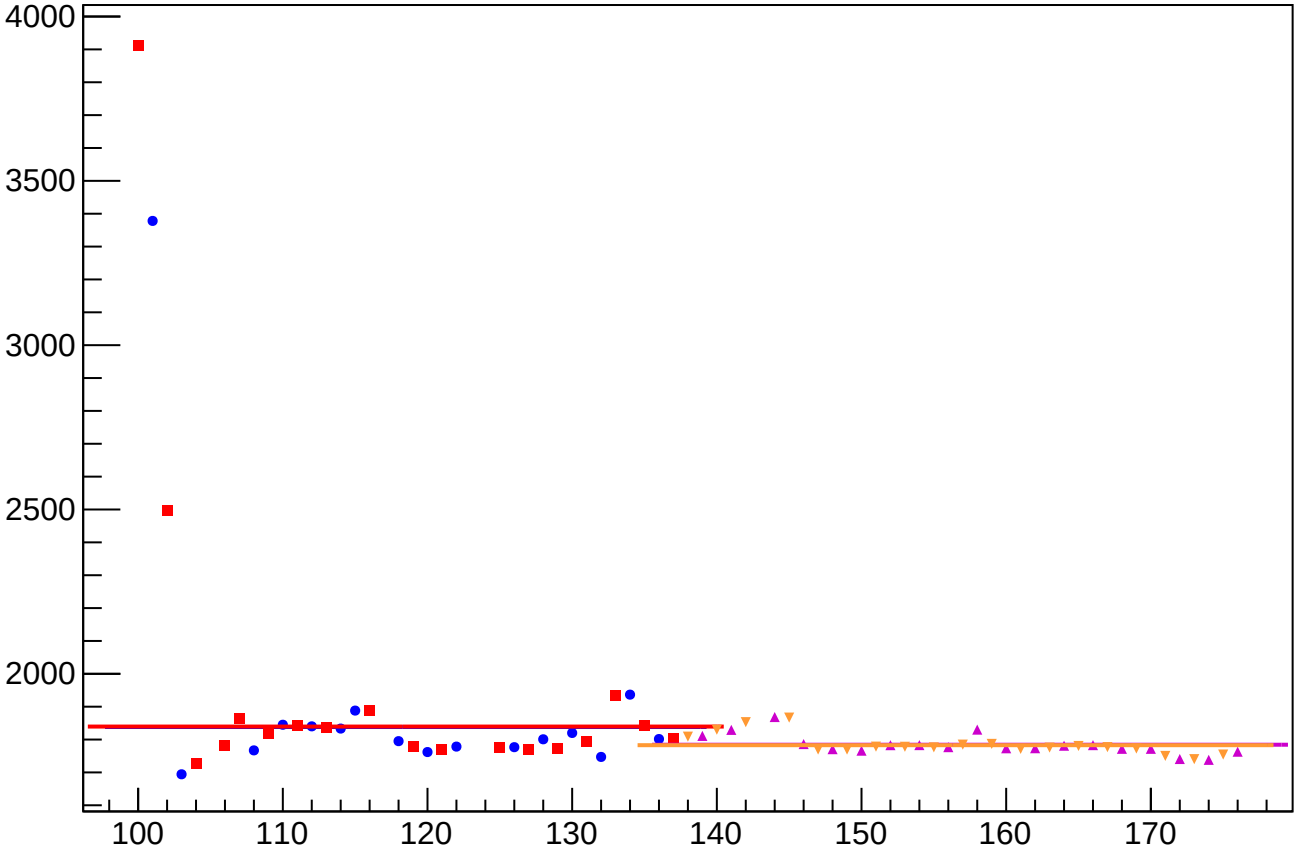
Left In: 632.599+/-452.651 χ^2/NDF:19.4/18

+ sign -923.954+/-382.594 χ^2/NDF: 34.5/34

All: -152.518+/-269.125 χ^2/NDF: 73.1/71

- sign 603.050+/-378.638 χ^2/NDF: 30.5/36

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1782.840+/-0.325 χ^2/NDF:8328.7/18

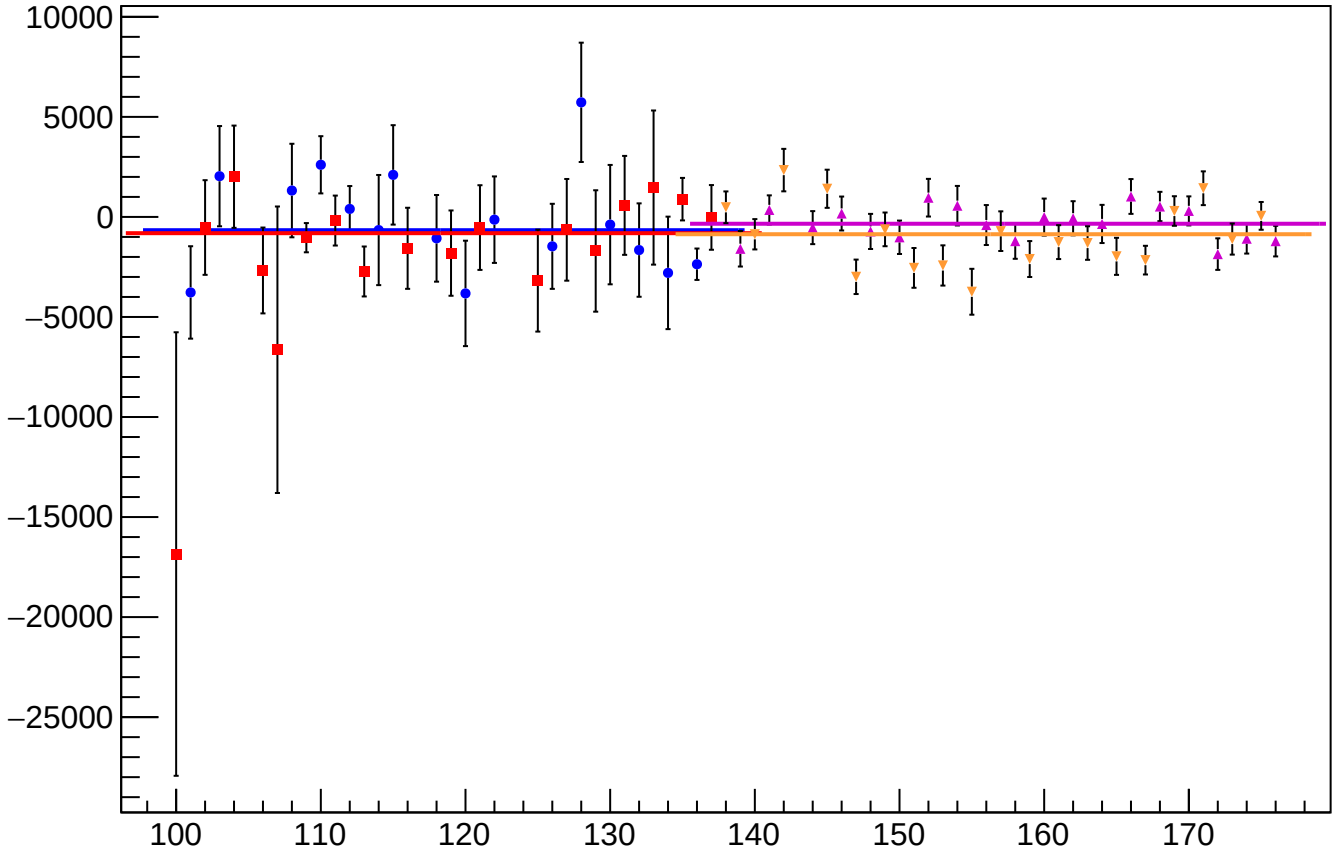
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1784.237+/-0.320 χ^2/NDF:9224.1/18

+ sign 1799.802+/-0.271 χ^2/NDF: 309202.2/34

All: 1800.325+/-0.190 χ^2/NDF: 455644.5/71

- sign 1800.837+/-0.268 χ^2/NDF: 146434.9/36



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -864.284+/-196.134 χ^2/NDF:54.3/18

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

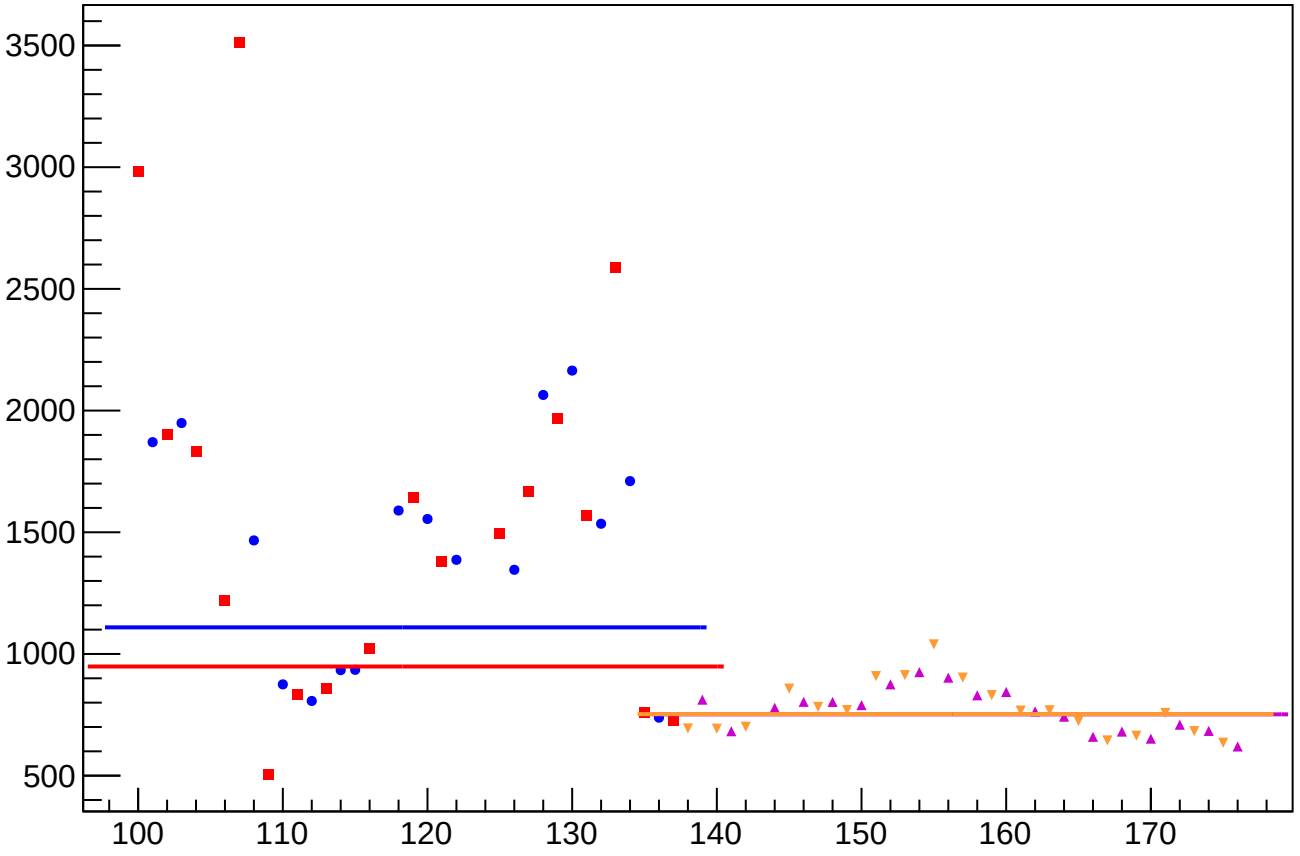
Left In: -340.990+/-192.315 χ^2/NDF:18.7/18

\+ sign -831.734+/-179.533 χ^2/NDF: 77.2/34

All: -623.780+/-124.610 χ^2/NDF: 111.9/71

\- sign -430.479+/-173.093 χ^2/NDF: 32.1/36

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: 752.958+/-0.139 χ^2/NDF:492800.1/18

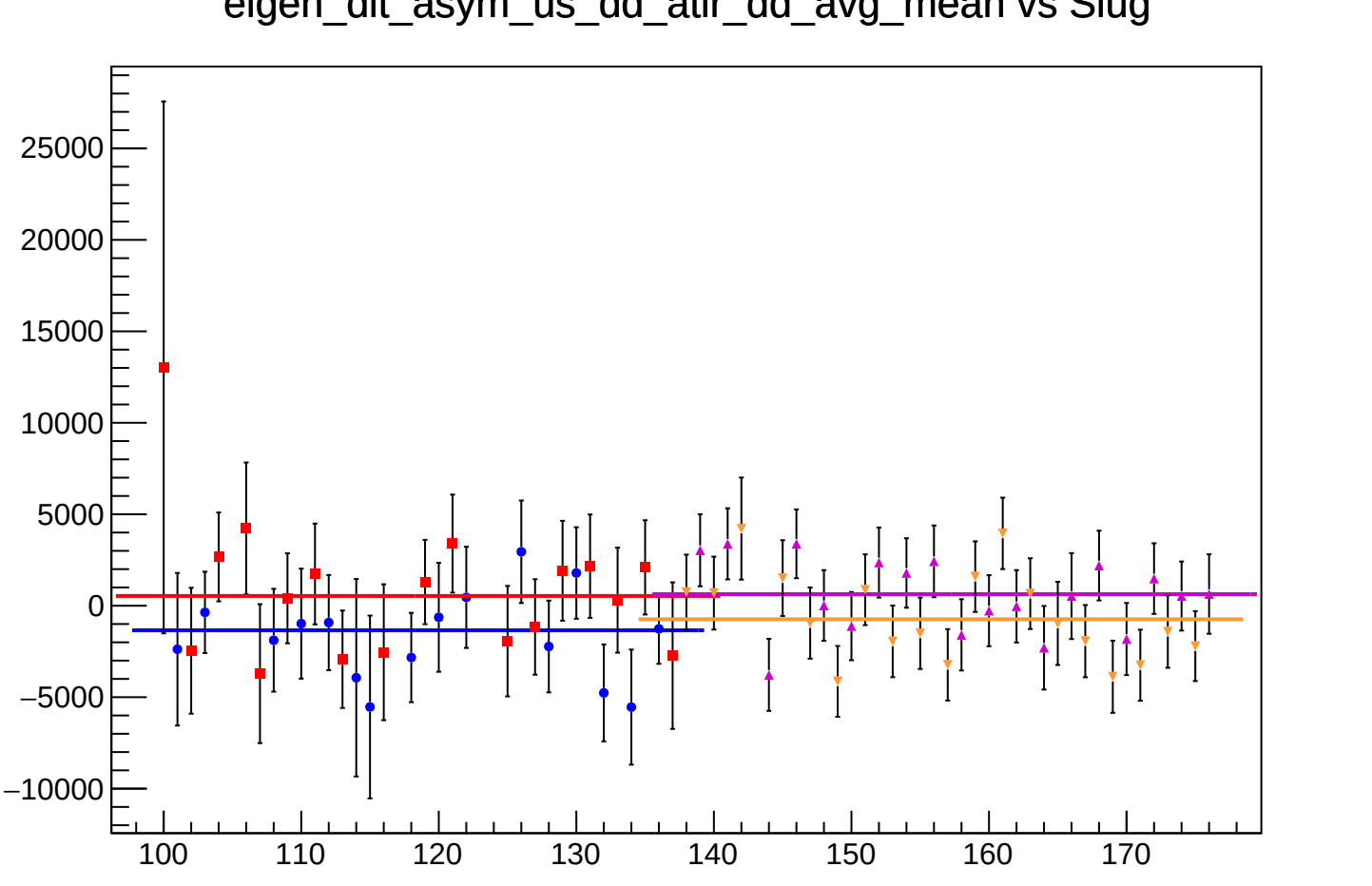
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 751.944+/-0.136 χ^2/NDF:386794.2/18

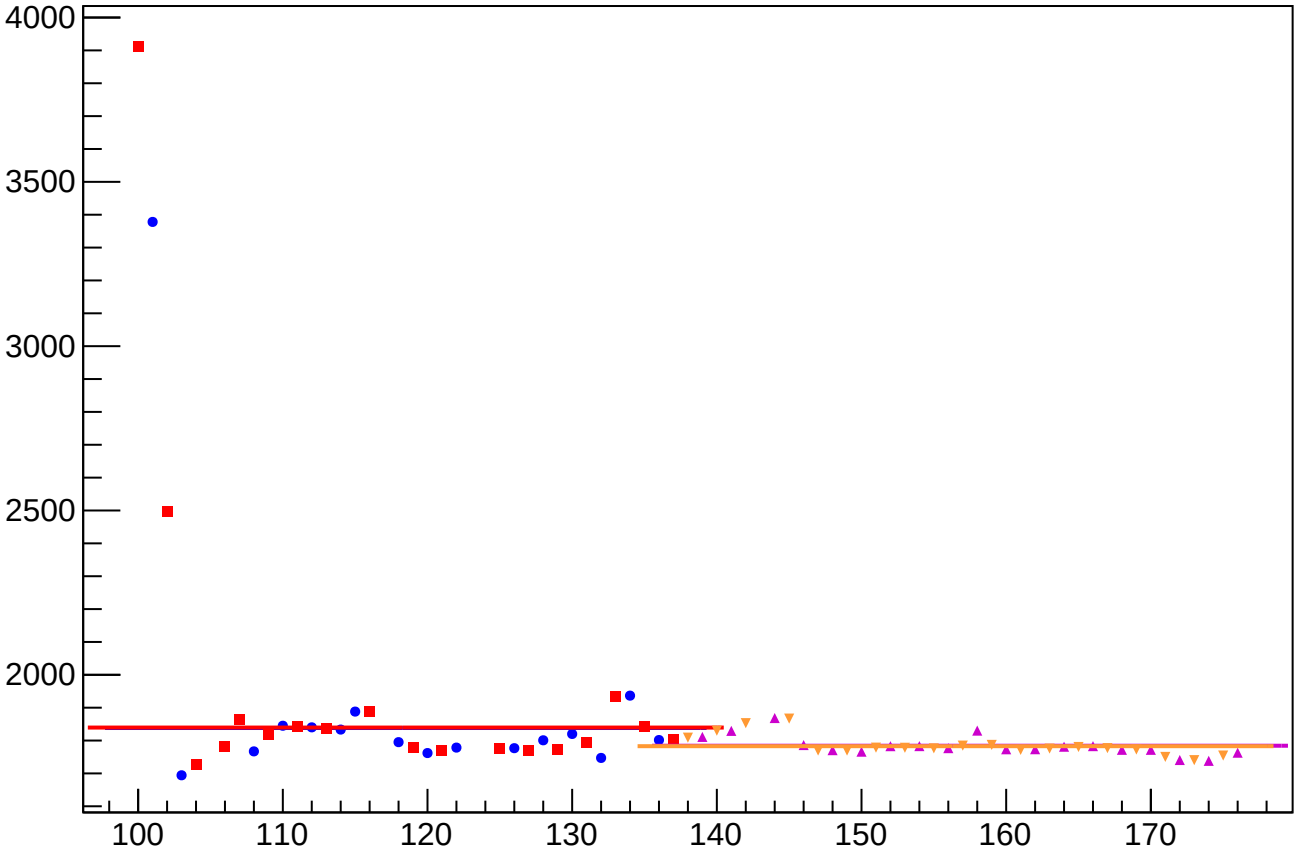
\+ sign 810.734+/-0.127 χ^2/NDF: 3536748.7/34

All: 799.606+/-0.088 χ^2/NDF: 7388565.6/71

\- sign 789.261+/-0.122 χ^2/NDF: 3836989.7/36


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -738.229+/-459.463 χ²/NDF:24.4/18
Right Out: 534.199+/-690.970 χ²/NDF: 11.1/17
Left In: 632.599+/-452.651 χ²/NDF:19.4/18
+ sign -923.954+/-382.594 χ²/NDF: 34.5/34
All: -152.518+/-269.125 χ²/NDF: 73.1/71
- sign 603.051+/-378.638 χ²/NDF: 30.5/36

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: 1782.840+/-0.325 χ^2/NDF:8328.7/18

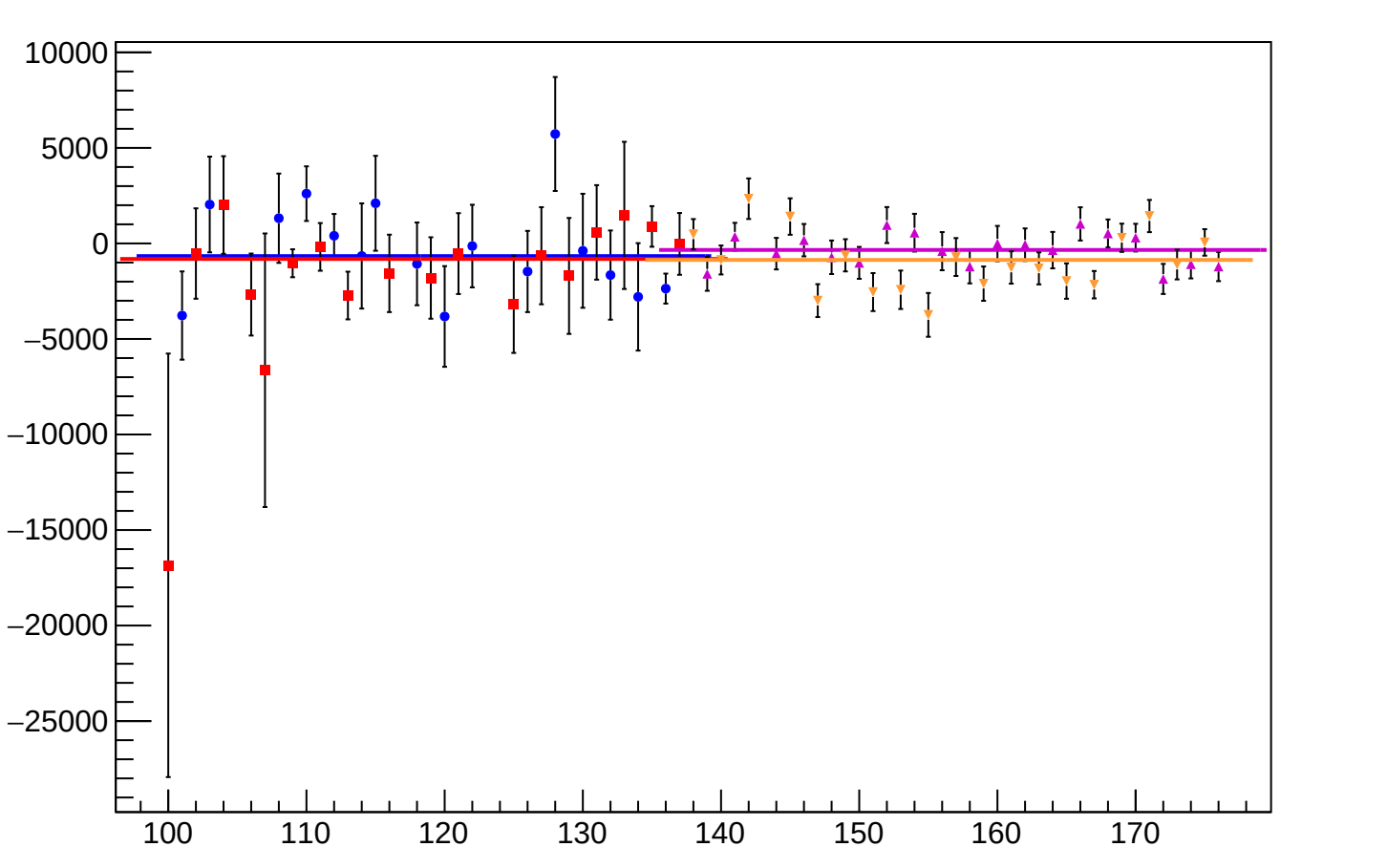
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1784.237+/-0.320 χ^2/NDF:9224.1/18

+ sign 1799.802+/-0.271 χ^2/NDF: 309202.2/34

All: 1800.325+/-0.190 χ^2/NDF: 455644.6/71

- sign 1800.837+/-0.268 χ^2/NDF: 146435.0/36



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -864.287+/-196.134 χ^2/NDF:54.3/18

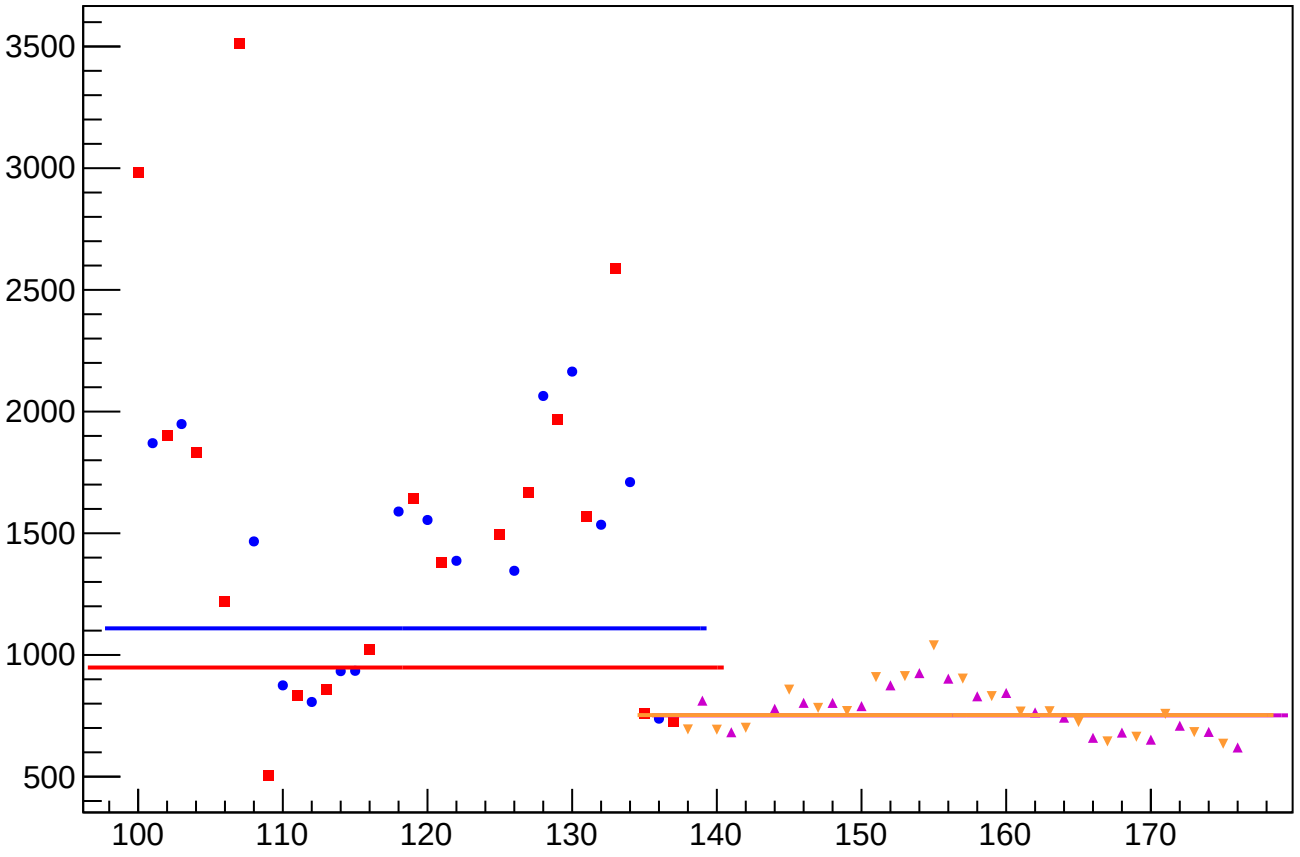
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -340.988+/-192.315 χ^2/NDF:18.7/18

+ sign -831.734+/-179.534 χ^2/NDF: 77.2/34

All: -623.779+/-124.610 χ^2/NDF: 111.9/71

- sign -430.478+/-173.093 χ^2/NDF: 32.1/36



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 752.958+/-0.139 χ^2/NDF:492793.2/18

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

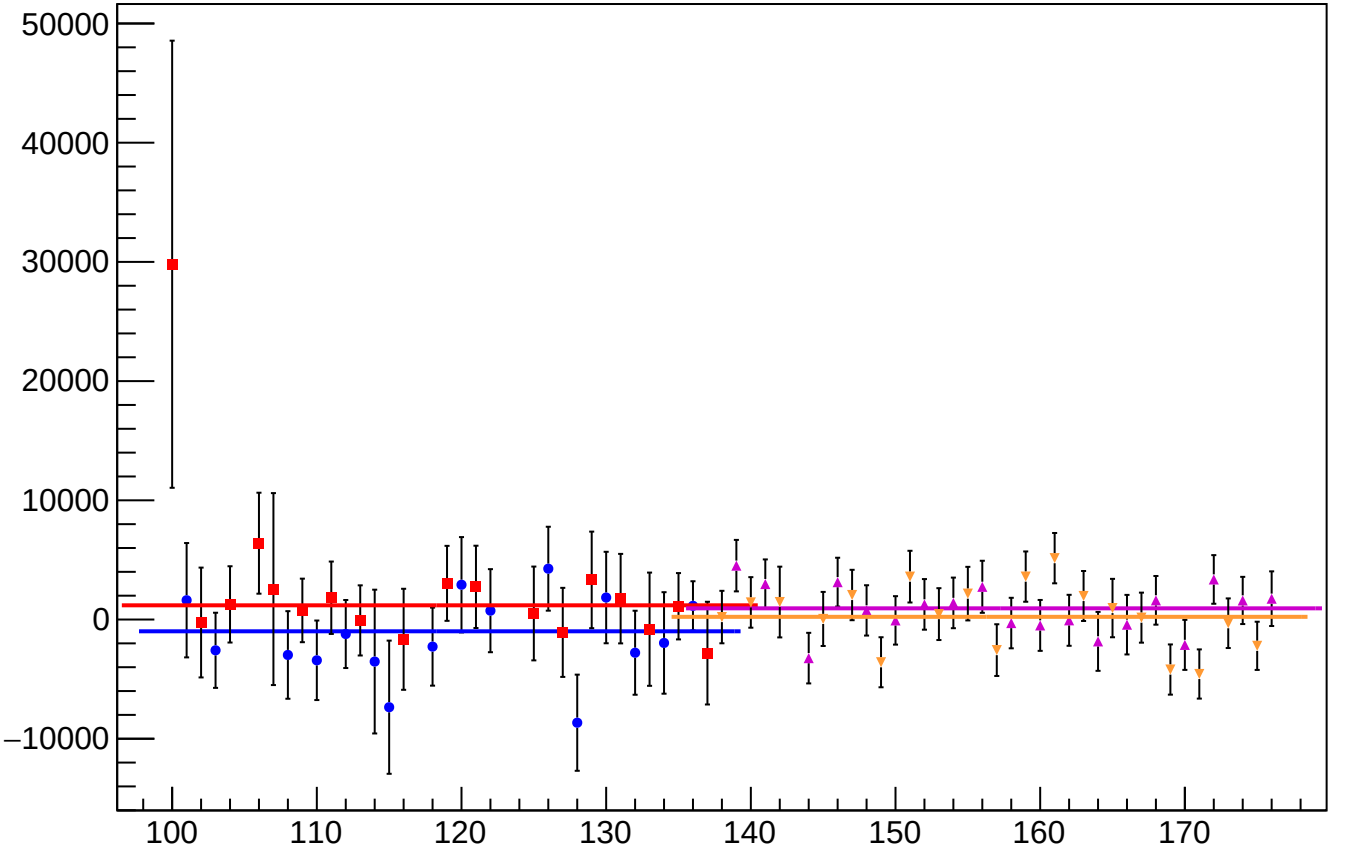
Left In: 751.943+/-0.136 χ^2/NDF:386801.9/18

+ sign 810.735+/-0.127 χ^2/NDF: 3536714.2/34

All: 799.606+/-0.088 χ^2/NDF: 7388523.3/71

- sign 789.262+/-0.122 χ^2/NDF: 3836980.9/36

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 226.040+/-498.240 χ^2/NDF:29.5/18

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

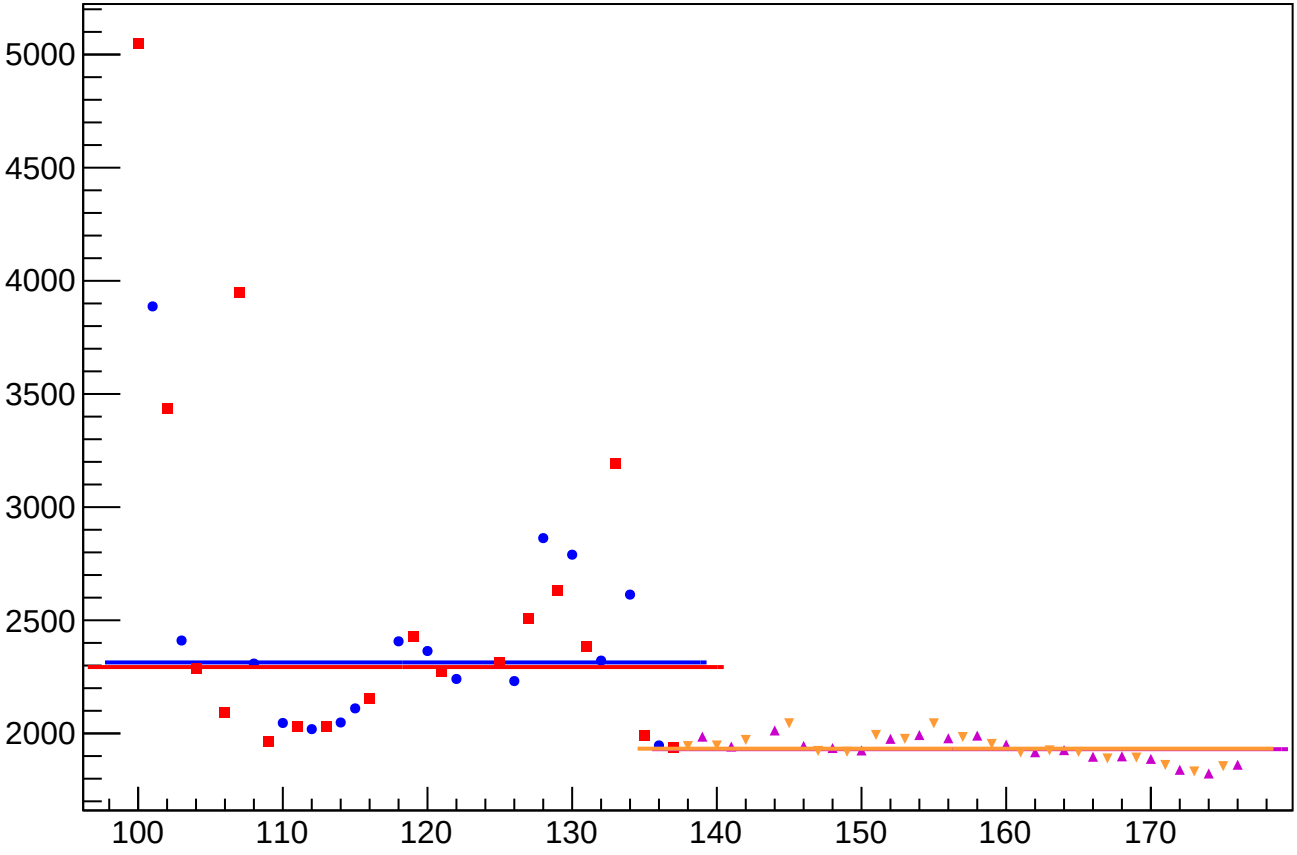
Left In: 938.975+/-489.863 χ^2/NDF:16.2/18

+ sign -71.696+/-432.827 χ^2/NDF: 42.9/34

All: 471.477+/-303.938 χ^2/NDF: 69.3/71

- sign 999.879+/-426.901 χ^2/NDF: 23.2/36

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1932.662+/-0.352 χ^2/NDF:25943.8/18

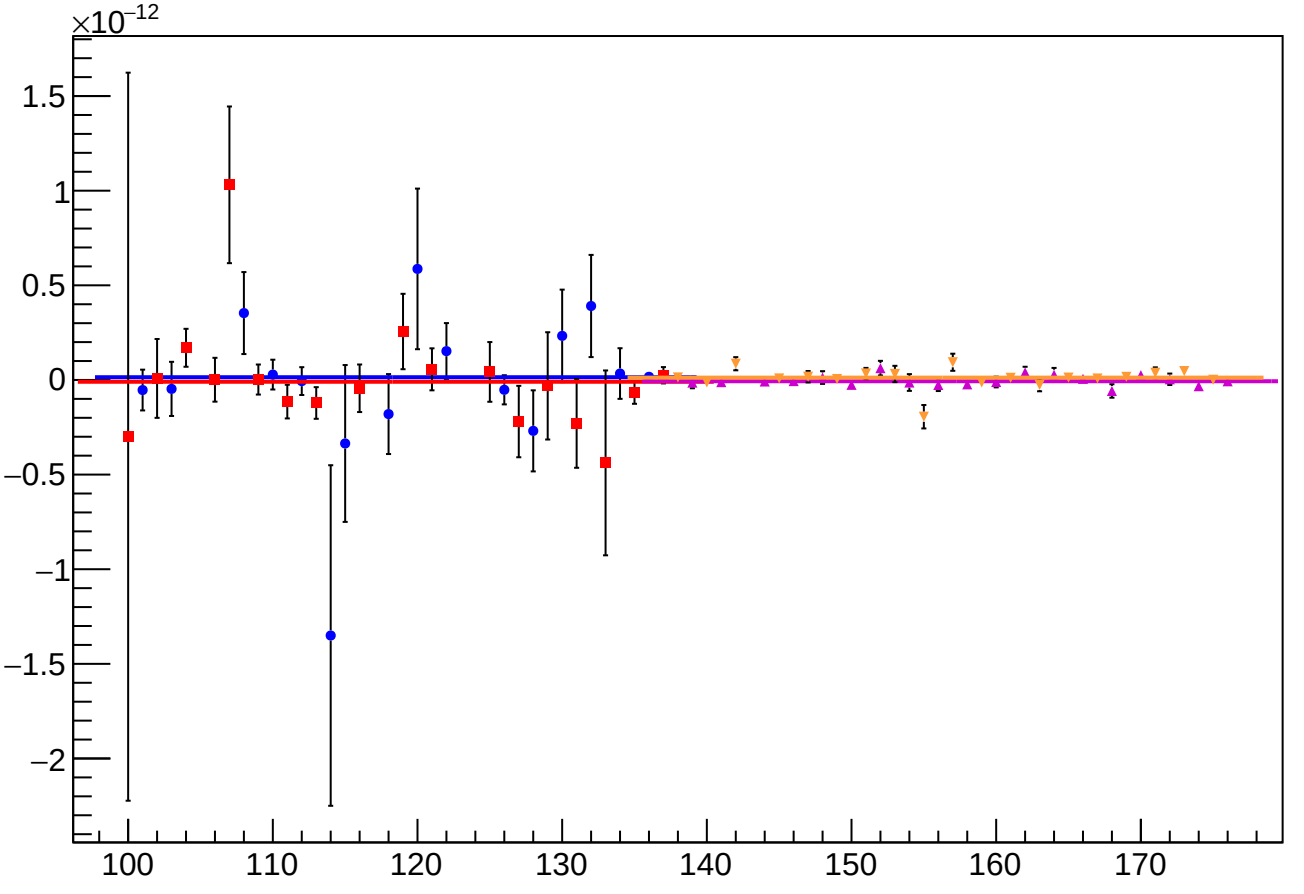
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1930.380+/-0.346 χ^2/NDF:23398.6/18

+ sign 2026.155+/-0.306 χ^2/NDF: 715745.4/34

All: 2021.855+/-0.215 χ^2/NDF: 1456751.0/71

- sign 2017.671+/-0.302 χ^2/NDF: 740616.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.9/18

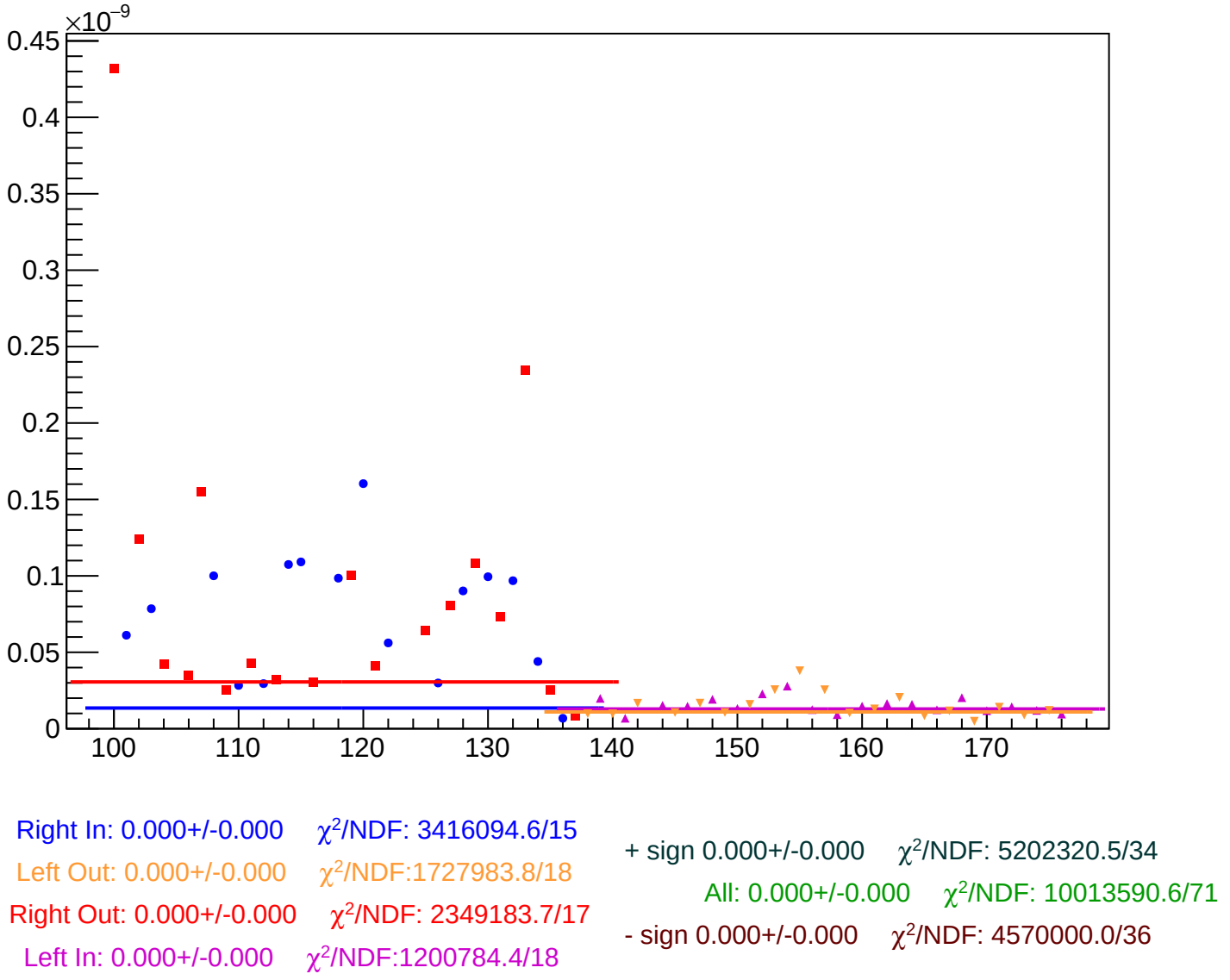
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

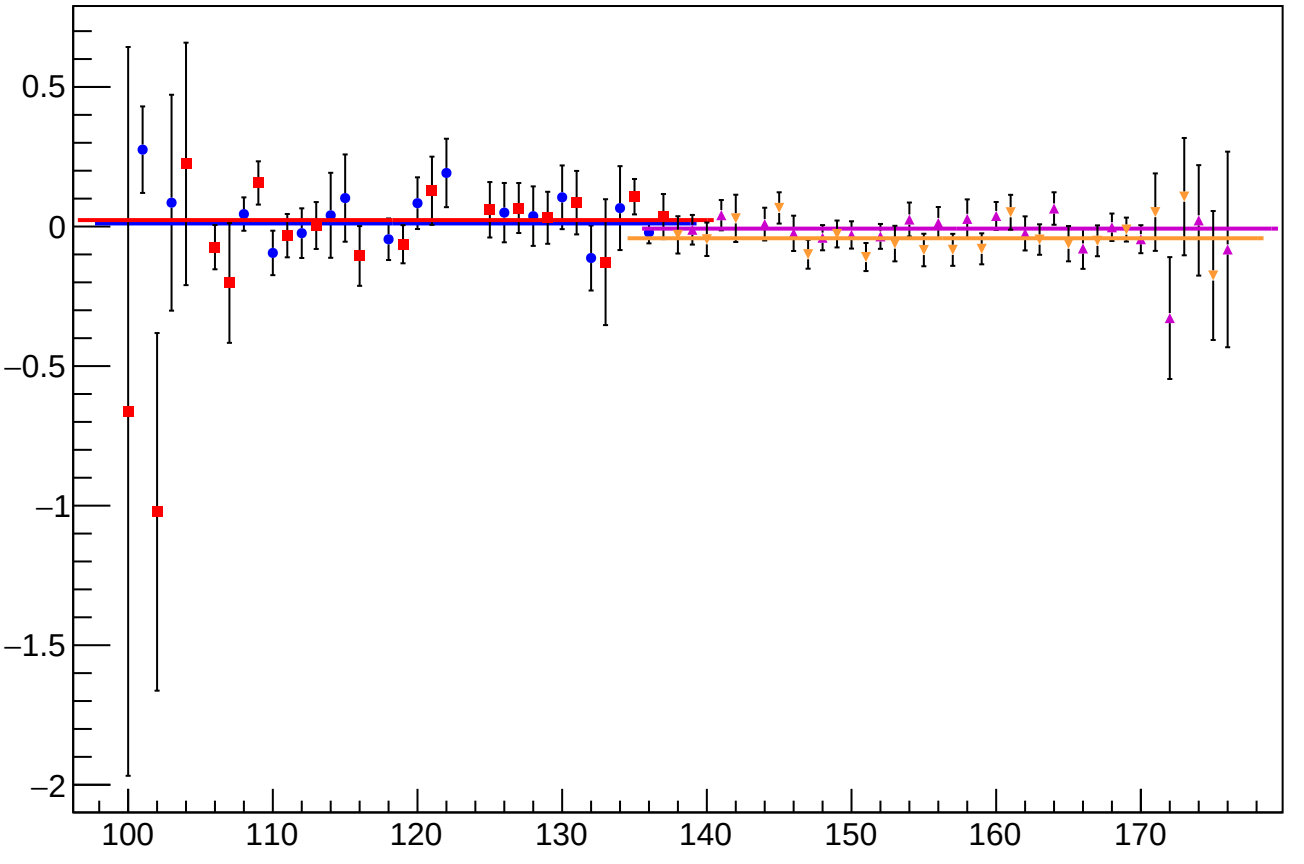
Left In: -0.000+/-0.000 χ^2/NDF:14.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 43.9/34

All: 0.000+/-0.000 χ^2/NDF: 84.9/71

- sign -0.000+/-0.000 χ^2/NDF: 34.3/36


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3416094.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1727983.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:1200784.4/18
+ sign 0.000+/-0.000 χ²/NDF: 5202320.5/34
All: 0.000+/-0.000 χ²/NDF: 10013590.6/71
- sign 0.000+/-0.000 χ²/NDF: 4570000.0/36



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

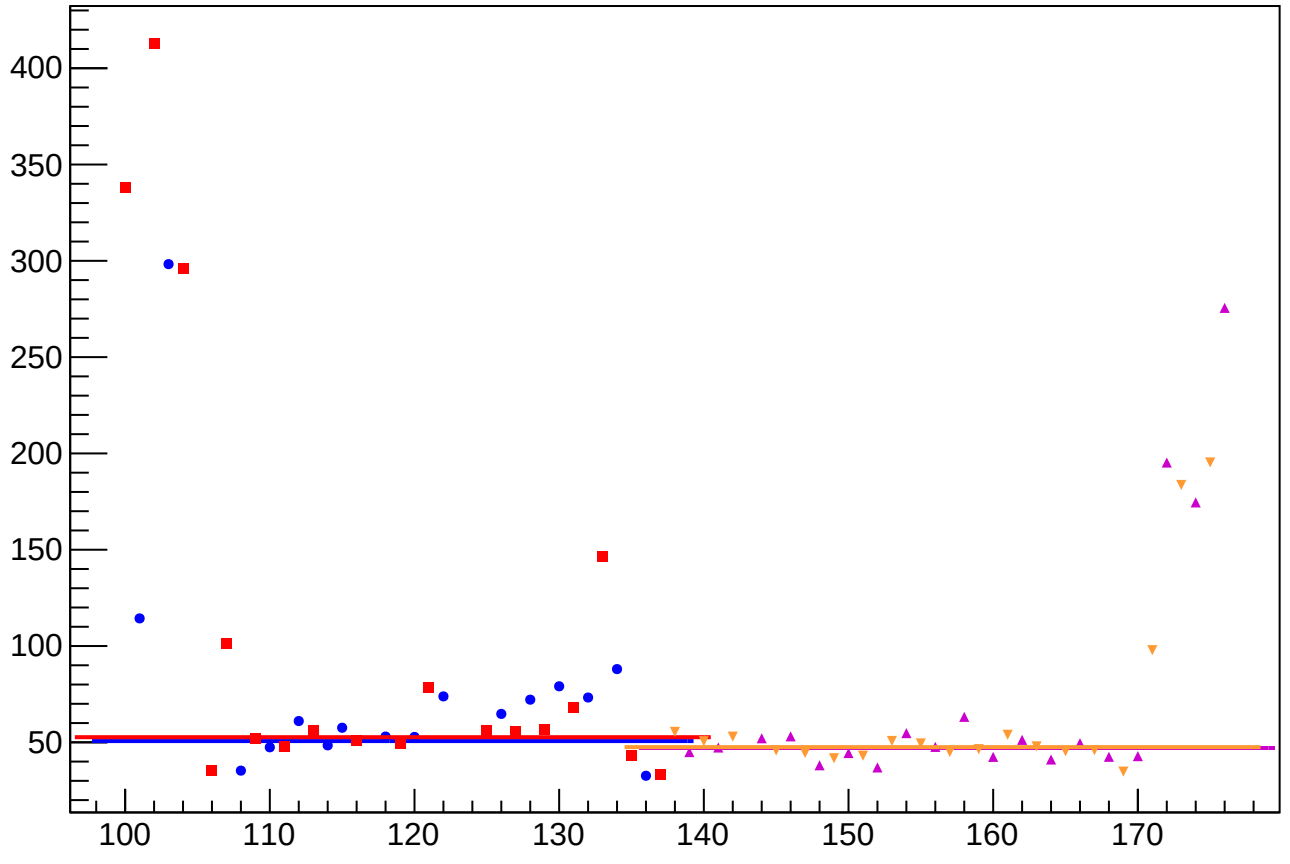
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.014 χ^2/NDF:8.9/18

+ sign -0.027+/-0.012 χ^2/NDF: 29.3/34

All: -0.013+/-0.008 χ^2/NDF: 58.1/71

- sign 0.000+/-0.012 χ^2/NDF: 26.2/36



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.503+/-0.010 χ^2/NDF:2228326.2/18

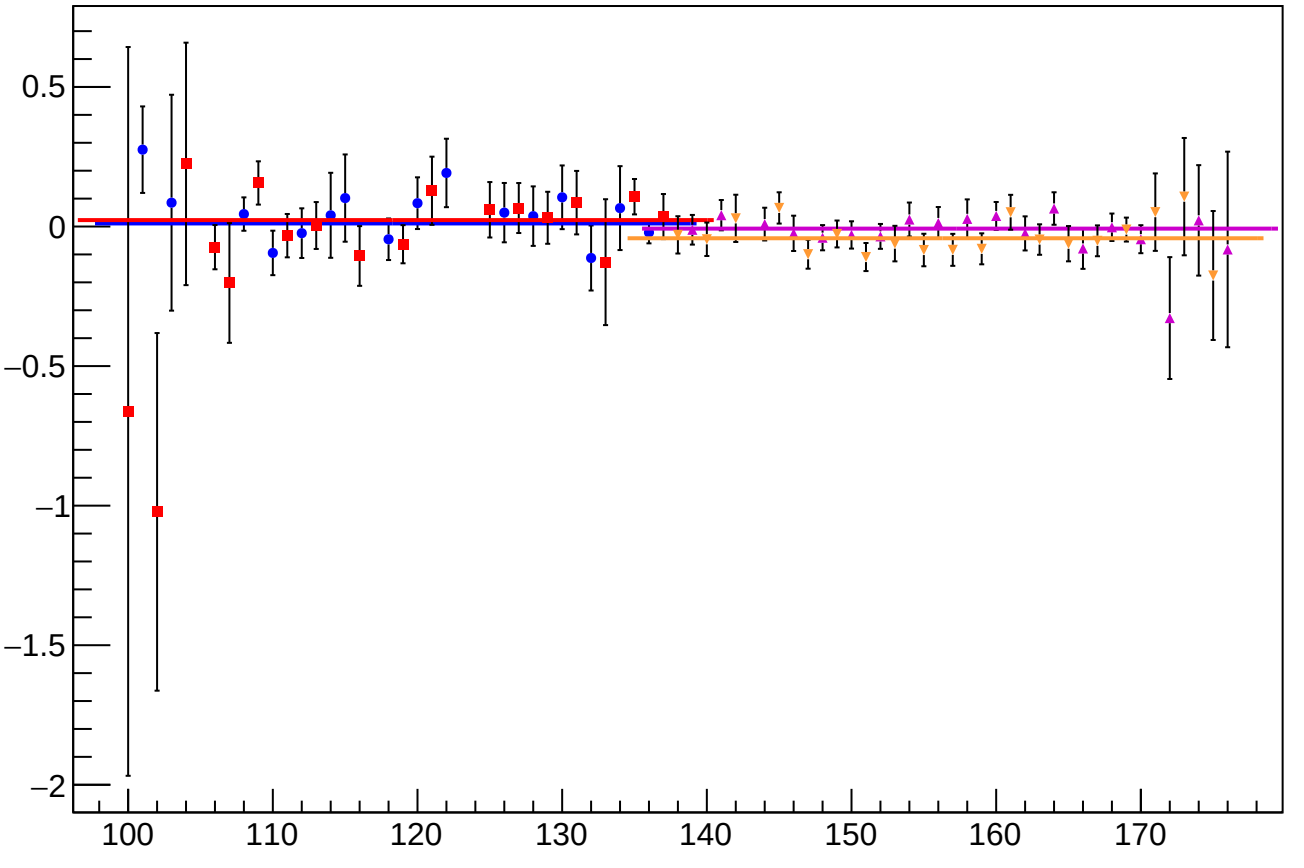
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.053+/-0.010 χ^2/NDF:3048256.8/18

+ sign 48.412+/-0.008 χ^2/NDF: 4524104.0/34

All: 48.451+/-0.006 χ^2/NDF: 9872109.6/71

- sign 48.490+/-0.008 χ^2/NDF: 5347961.7/36



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

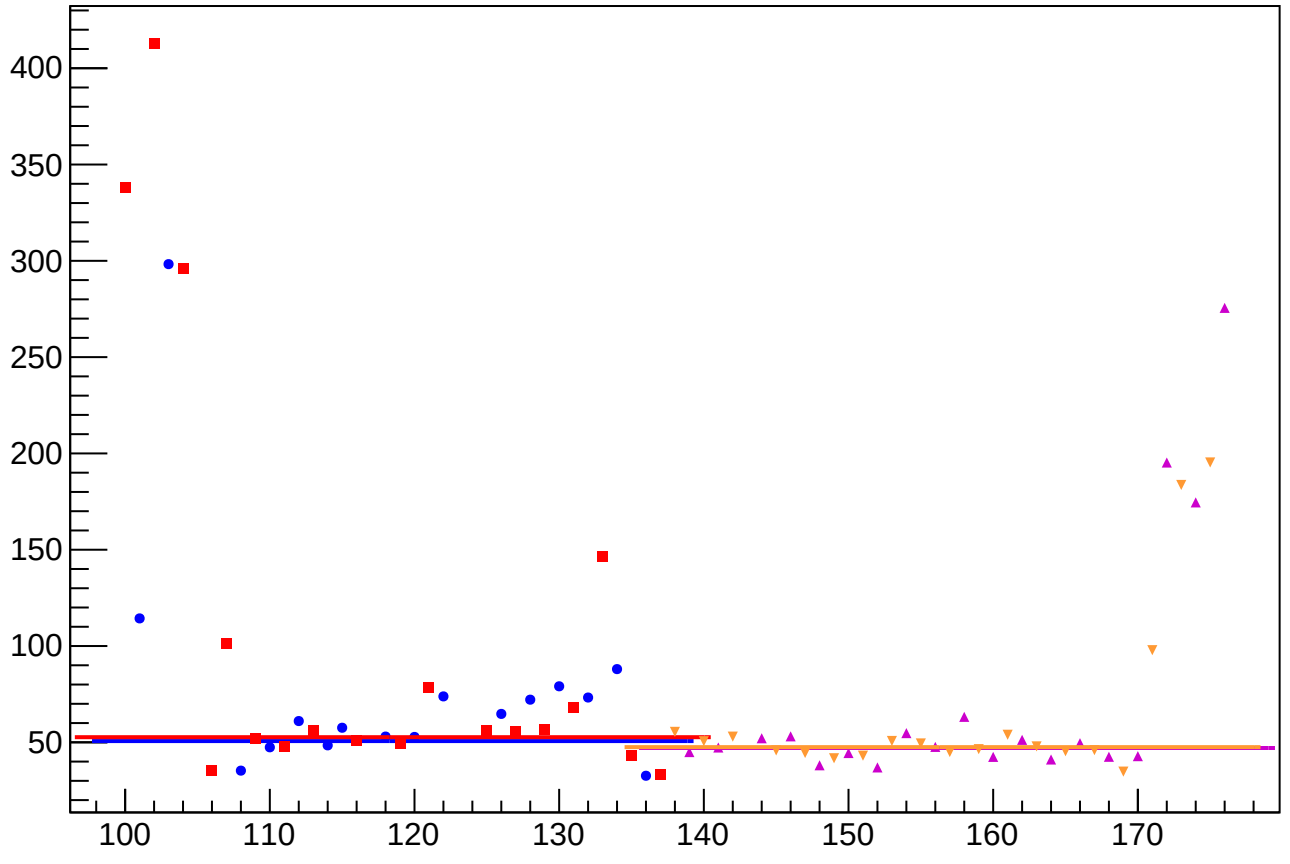
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.014 χ^2/NDF:8.9/18

+ sign -0.027+/-0.012 χ^2/NDF: 29.3/34

All: -0.013+/-0.008 χ^2/NDF: 58.1/71

- sign 0.000+/-0.012 χ^2/NDF: 26.2/36



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.503+/-0.010 χ^2/NDF:2228326.2/18

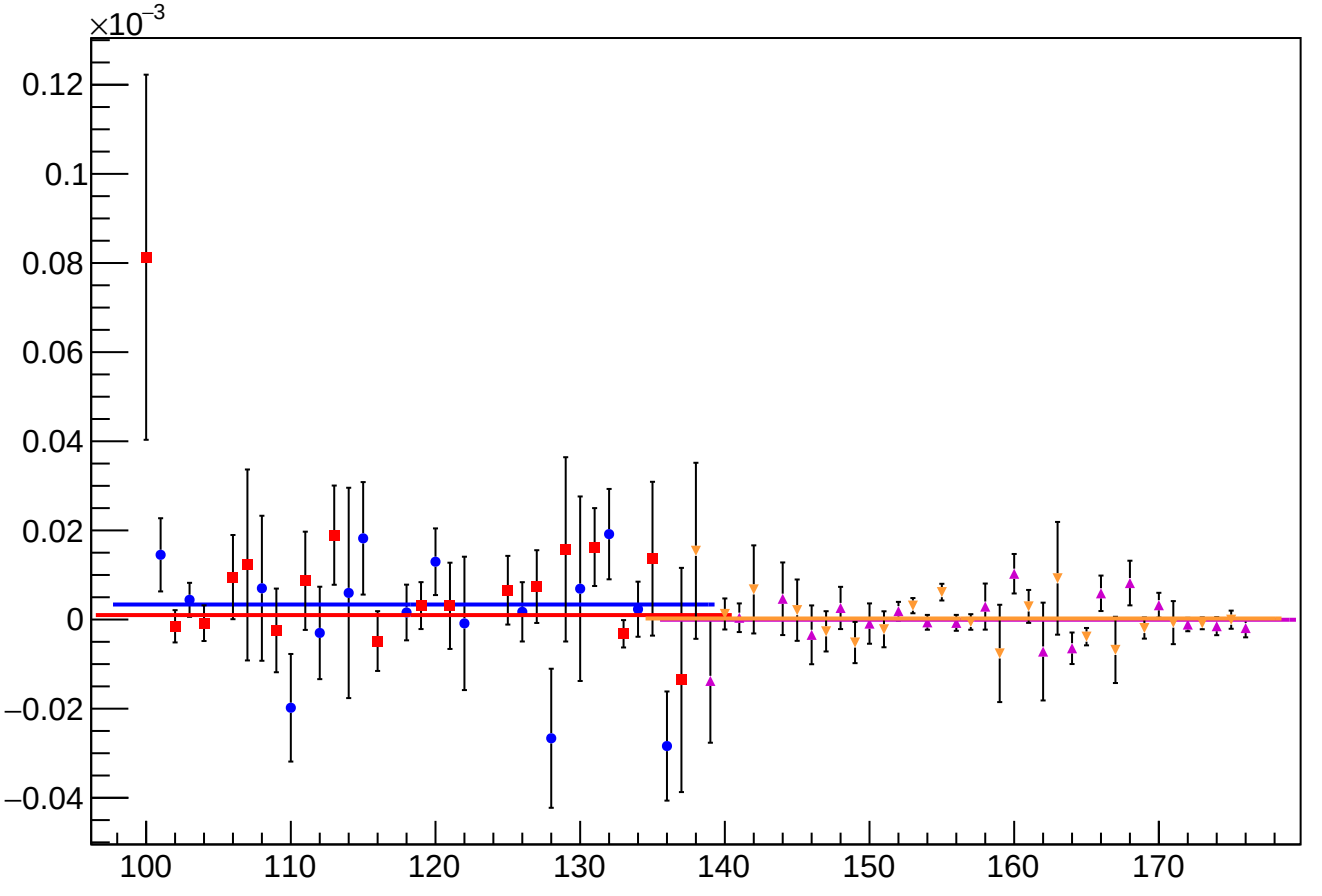
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.053+/-0.010 χ^2/NDF:3048256.8/18

+ sign 48.412+/-0.008 χ^2/NDF: 4524104.0/34

All: 48.451+/-0.006 χ^2/NDF: 9872109.6/71

- sign 48.490+/-0.008 χ^2/NDF: 5347961.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/18

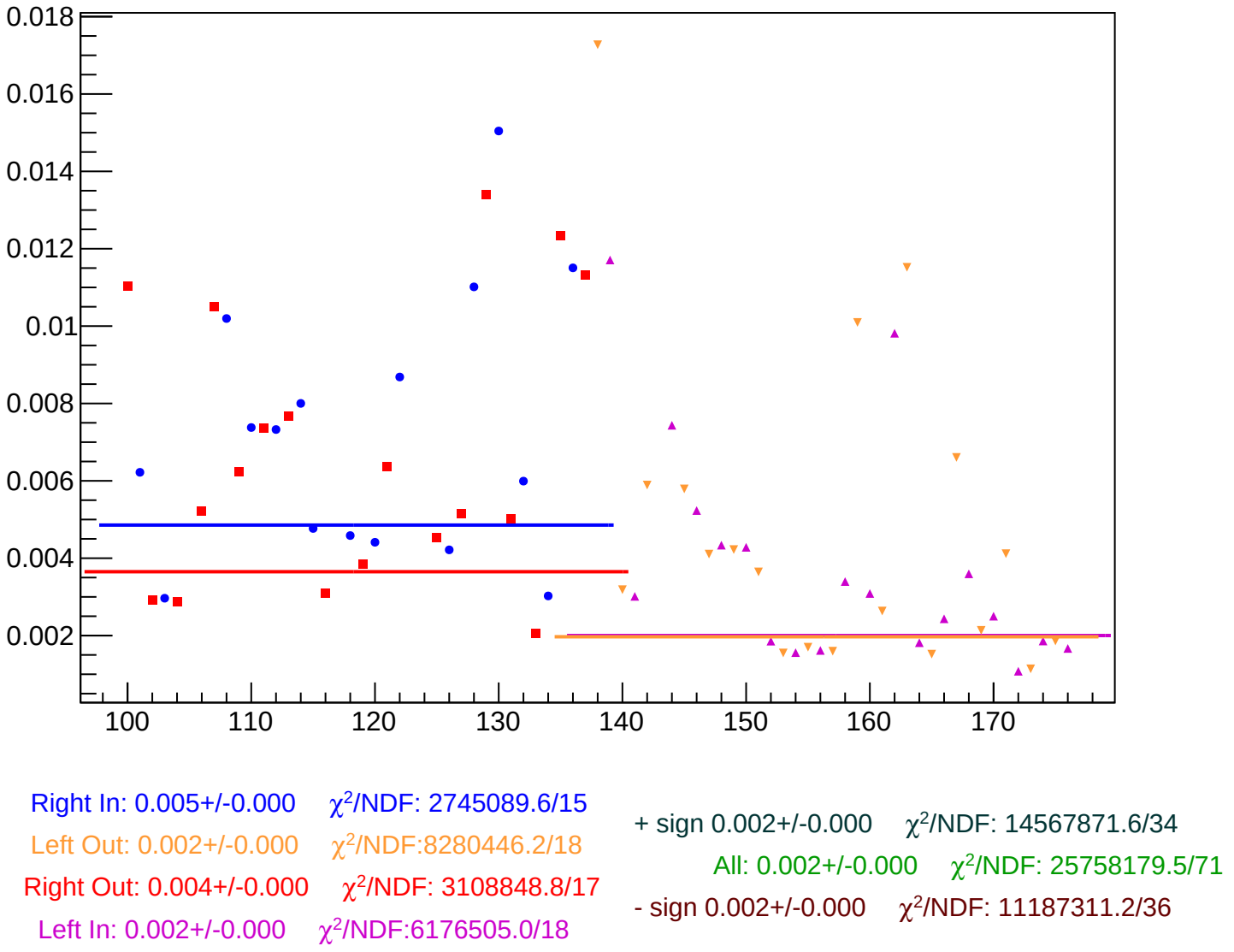
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

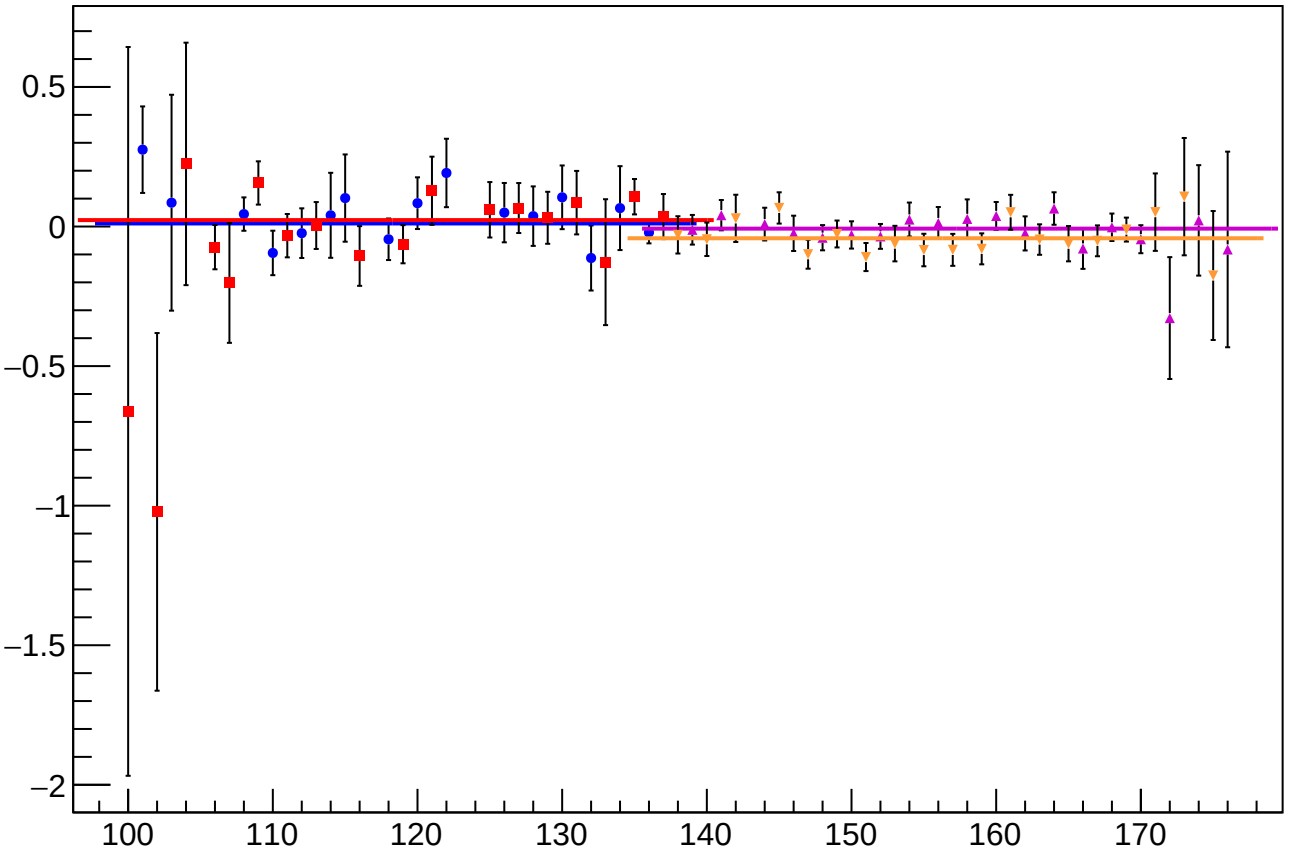
Left In: -0.000+/-0.000 χ^2/NDF:20.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 49.0/34

All: 0.000+/-0.000 χ^2/NDF: 87.5/71

- sign 0.000+/-0.000 χ^2/NDF: 38.2/36


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.005+/-0.000 χ²/NDF: 2745089.6/15
Left Out: 0.002+/-0.000 χ²/NDF:8280446.2/18
Right Out: 0.004+/-0.000 χ²/NDF: 3108848.8/17
Left In: 0.002+/-0.000 χ²/NDF:6176505.0/18
+ sign 0.002+/-0.000 χ²/NDF: 14567871.6/34
All: 0.002+/-0.000 χ²/NDF: 25758179.5/71
- sign 0.002+/-0.000 χ²/NDF: 11187311.2/36



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

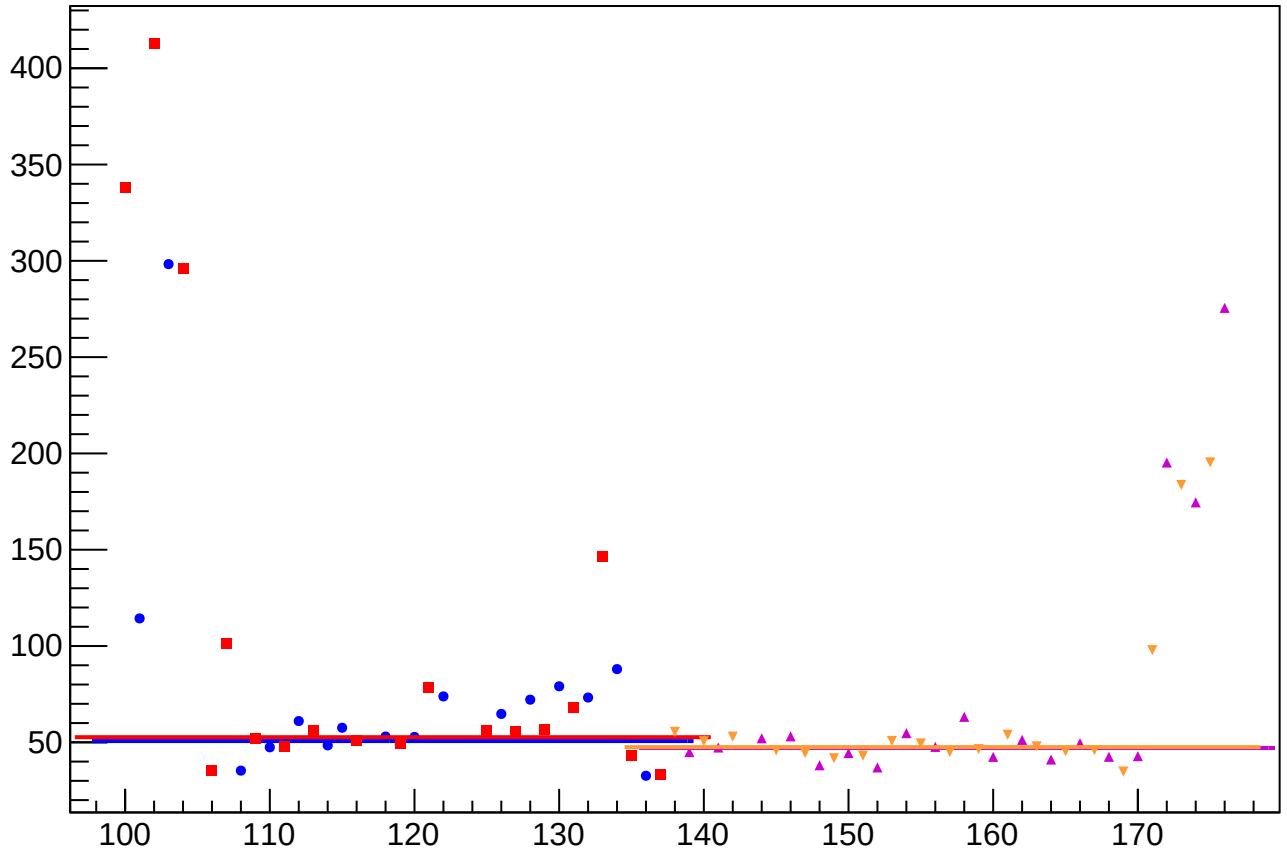
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.008+/-0.014 χ^2/NDF:8.9/18

+ sign -0.027+/-0.012 χ^2/NDF: 29.3/34

All: -0.013+/-0.008 χ^2/NDF: 58.1/71

- sign 0.000+/-0.012 χ^2/NDF: 26.2/36



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.503+/-0.010 χ^2/NDF:2228343.2/18

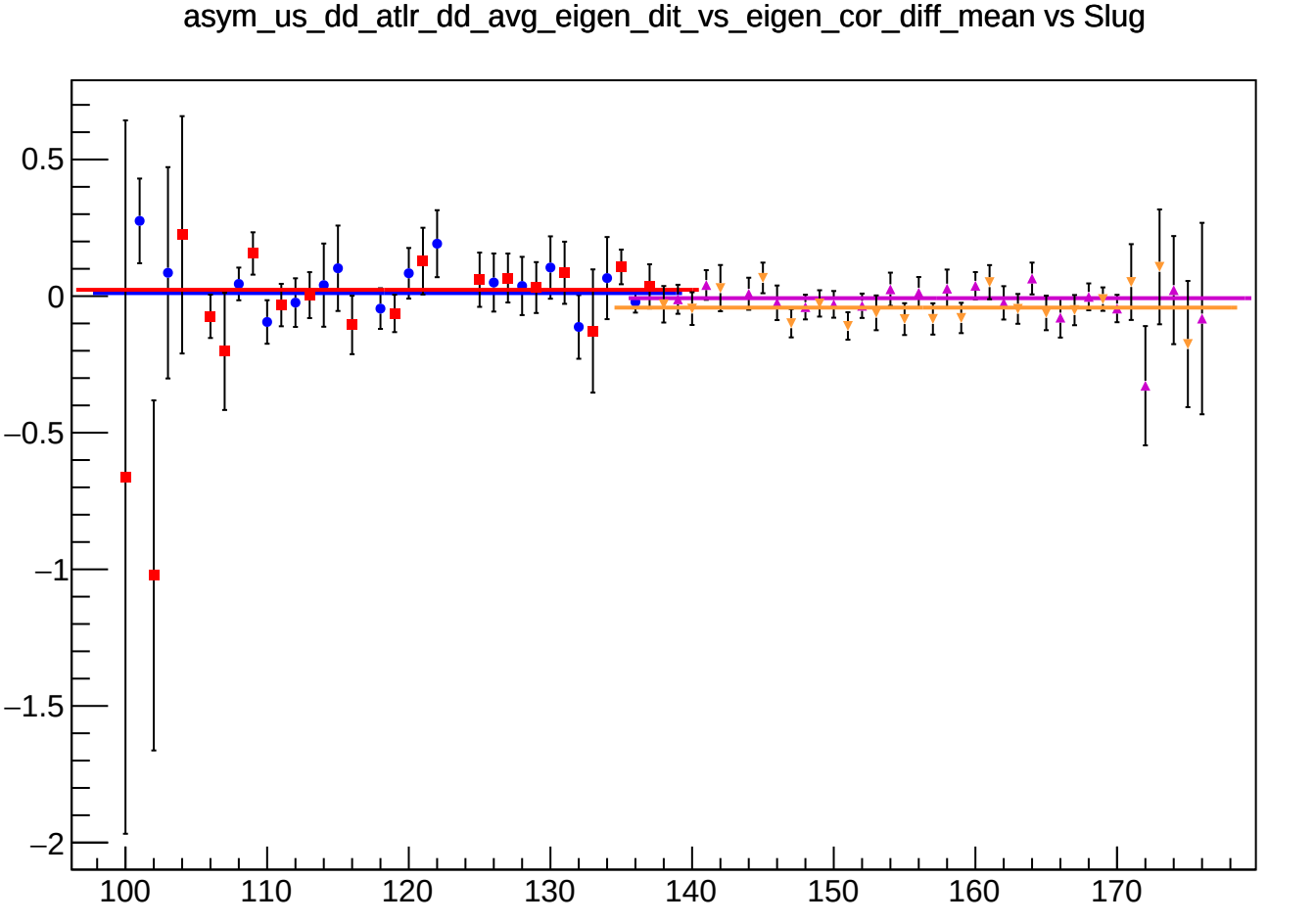
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.053+/-0.010 χ^2/NDF:3048194.9/18

+ sign 48.412+/-0.008 χ^2/NDF: 4524038.6/34

All: 48.451+/-0.006 χ^2/NDF: 9871882.8/71

- sign 48.490+/-0.008 χ^2/NDF: 5347799.7/36



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

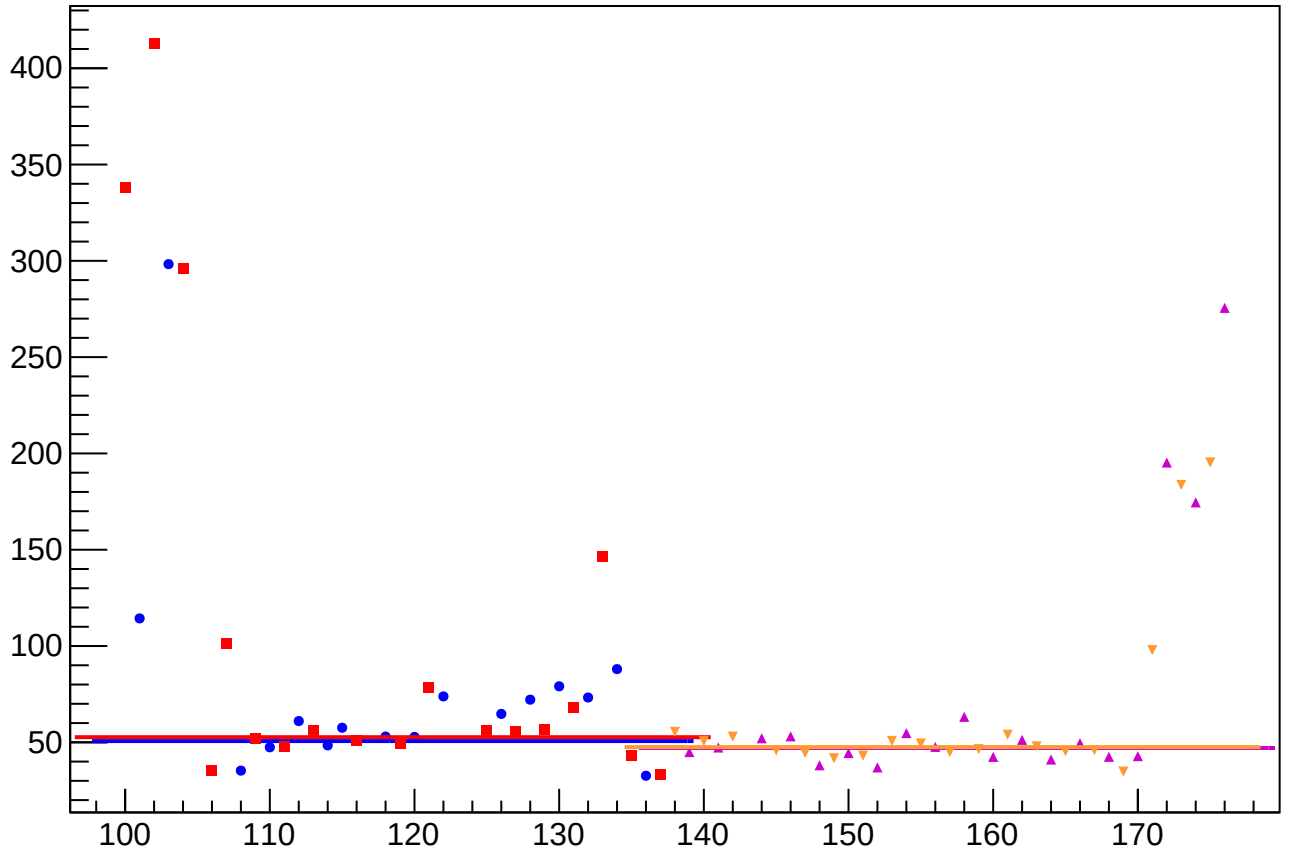
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.008+/-0.014 χ^2/NDF:8.9/18

+ sign -0.027+/-0.012 χ^2/NDF: 29.3/34

All: -0.013+/-0.008 χ^2/NDF: 58.1/71

- sign 0.000+/-0.012 χ^2/NDF: 26.2/36



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.503+/-0.010 χ^2/NDF:2228343.2/18

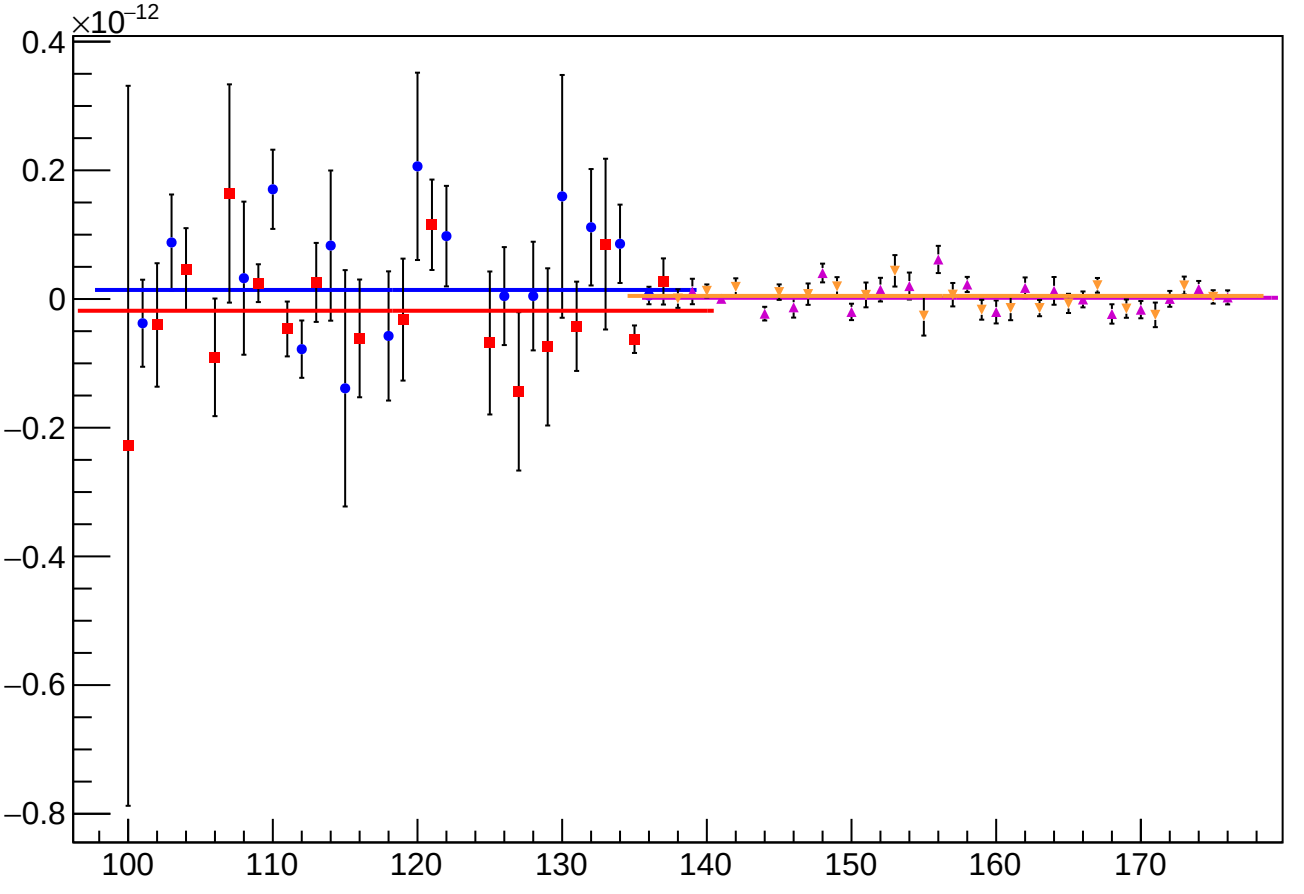
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.053+/-0.010 χ^2/NDF:3048194.9/18

+ sign 48.412+/-0.008 χ^2/NDF: 4524038.6/34

All: 48.451+/-0.006 χ^2/NDF: 9871882.8/71

- sign 48.490+/-0.008 χ^2/NDF: 5347799.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/18

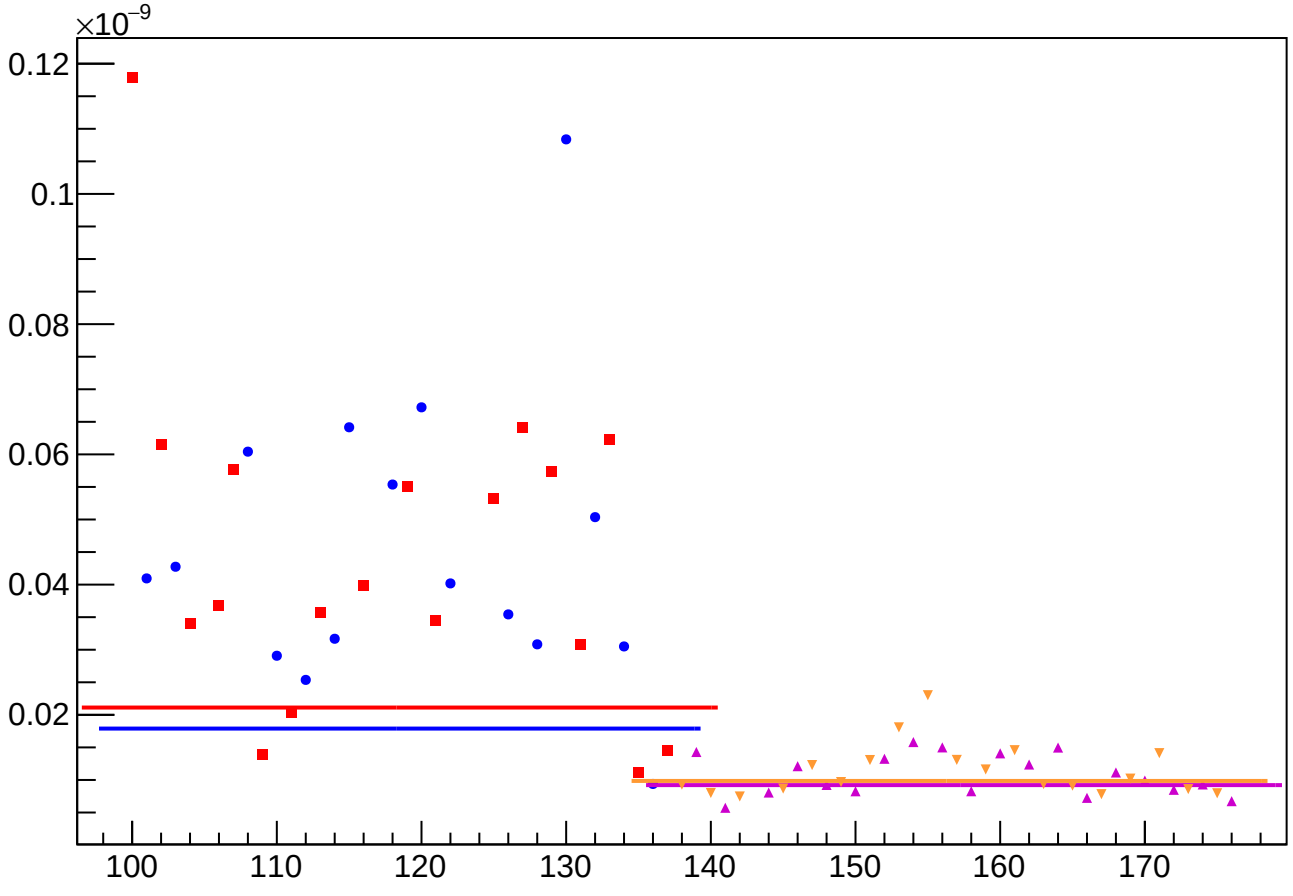
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:37.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/34

All: 0.000+/-0.000 χ^2/NDF: 100.1/71

- sign 0.000+/-0.000 χ^2/NDF: 57.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1310881.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

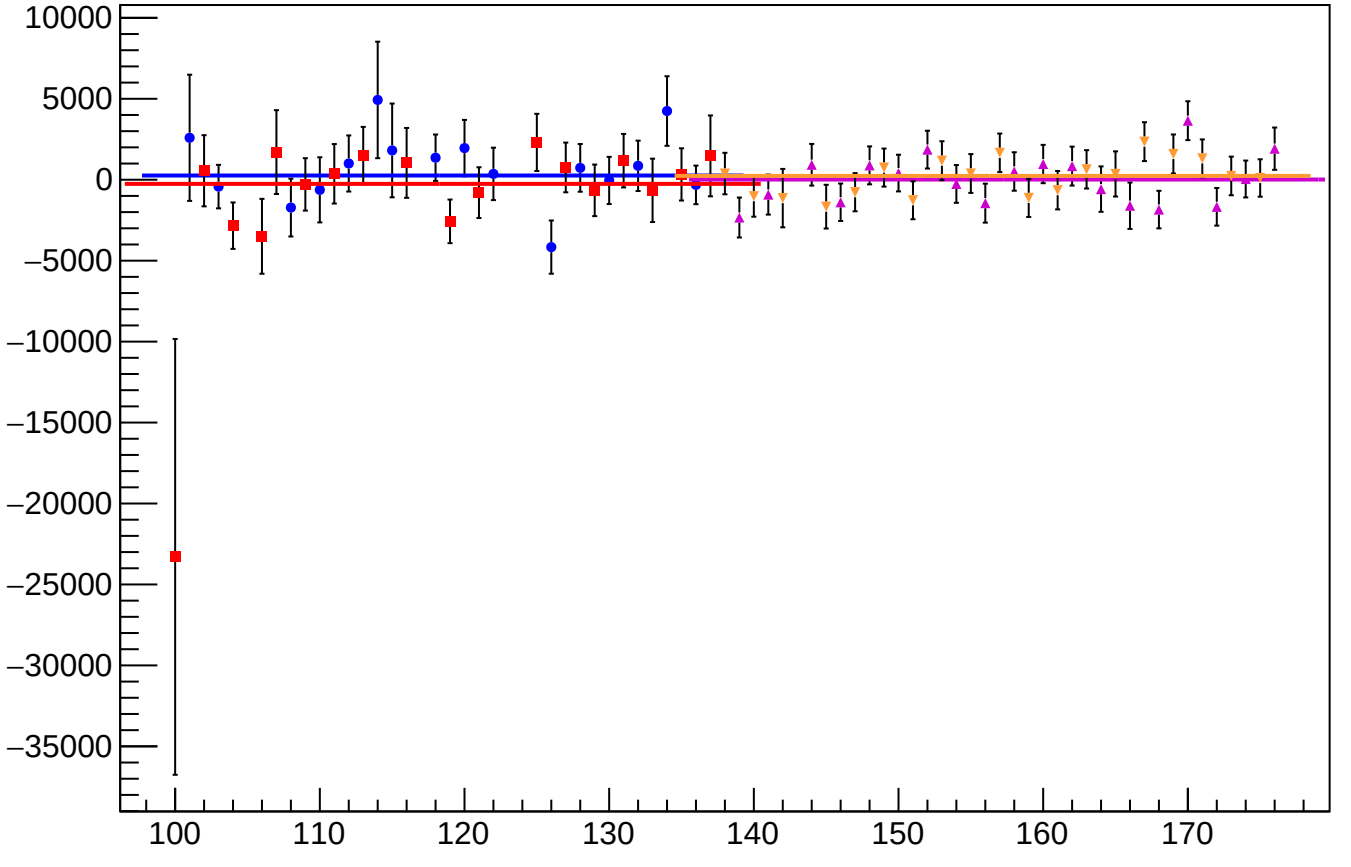
Left In: 0.000+/-0.000 χ^2/NDF:1650222.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 5638918.6/34

All: 0.000+/-0.000 χ^2/NDF: 11648972.4/71

- sign 0.000+/-0.000 χ^2/NDF: 5974076.8/36

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 236.574+/-282.032 χ^2/NDF:15.4/18

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

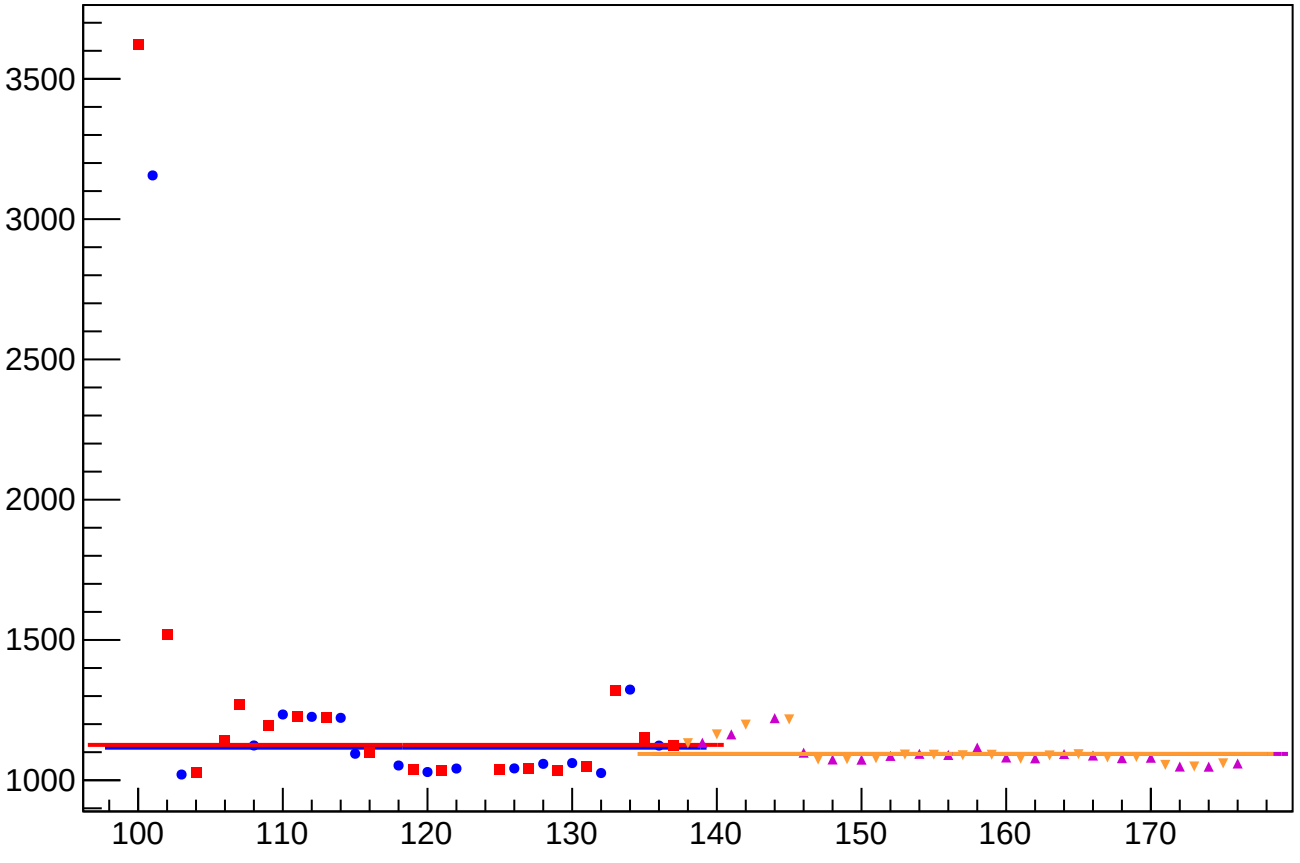
Left In: 12.753+/-277.626 χ^2/NDF:29.6/18

+ sign 243.988+/-234.938 χ^2/NDF: 32.4/34

All: 86.707+/-165.278 χ^2/NDF: 80.5/71

- sign -67.401+/-232.557 χ^2/NDF: 47.2/36

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1093.712+/-0.199 χ^2/NDF:40183.9/18

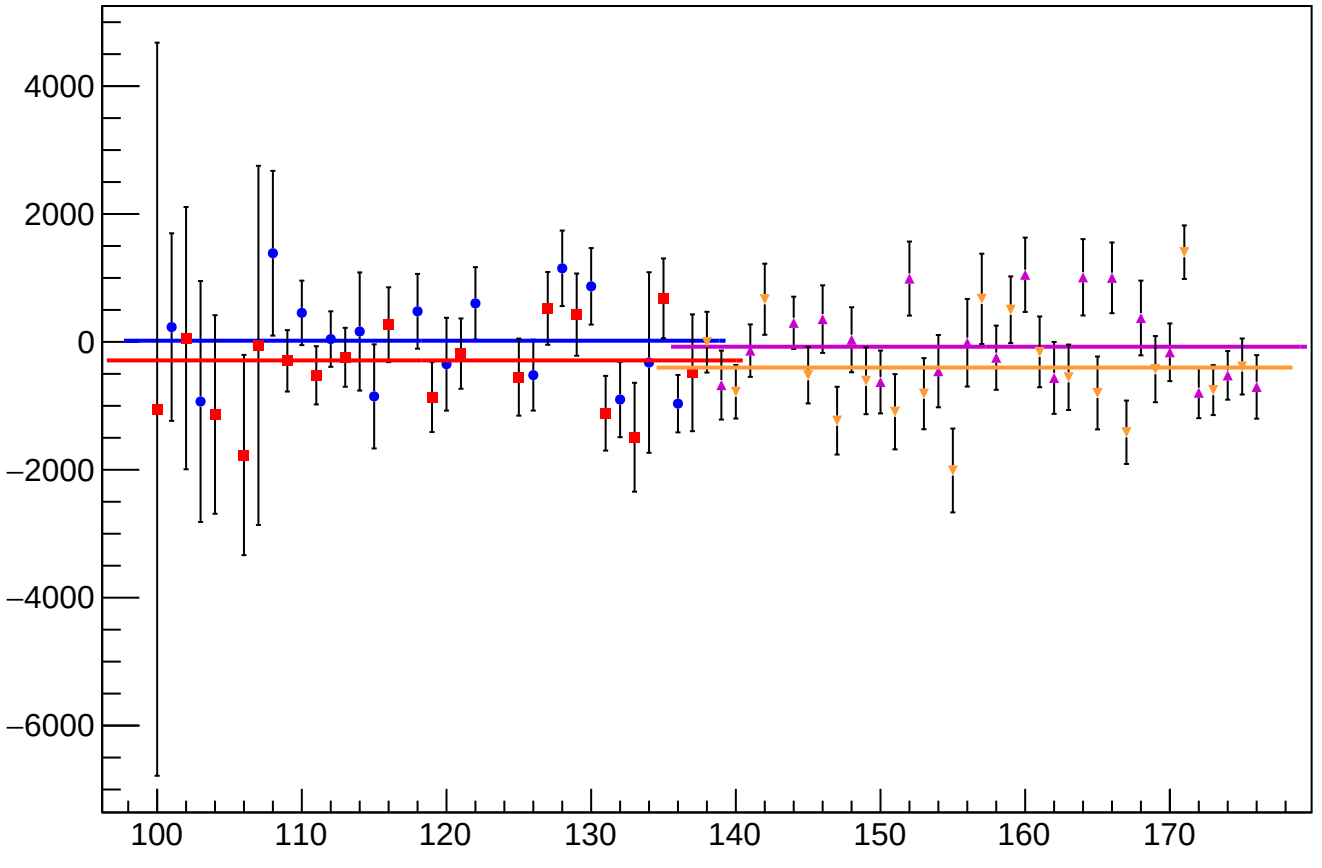
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1093.748+/-0.196 χ^2/NDF:38860.7/18

+ sign 1100.561+/-0.166 χ^2/NDF: 667428.6/34

All: 1101.982+/-0.117 χ^2/NDF: 936599.9/71

- sign 1103.374+/-0.164 χ^2/NDF: 269026.5/36



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -401.334+/-115.256 χ^2/NDF:45.5/18

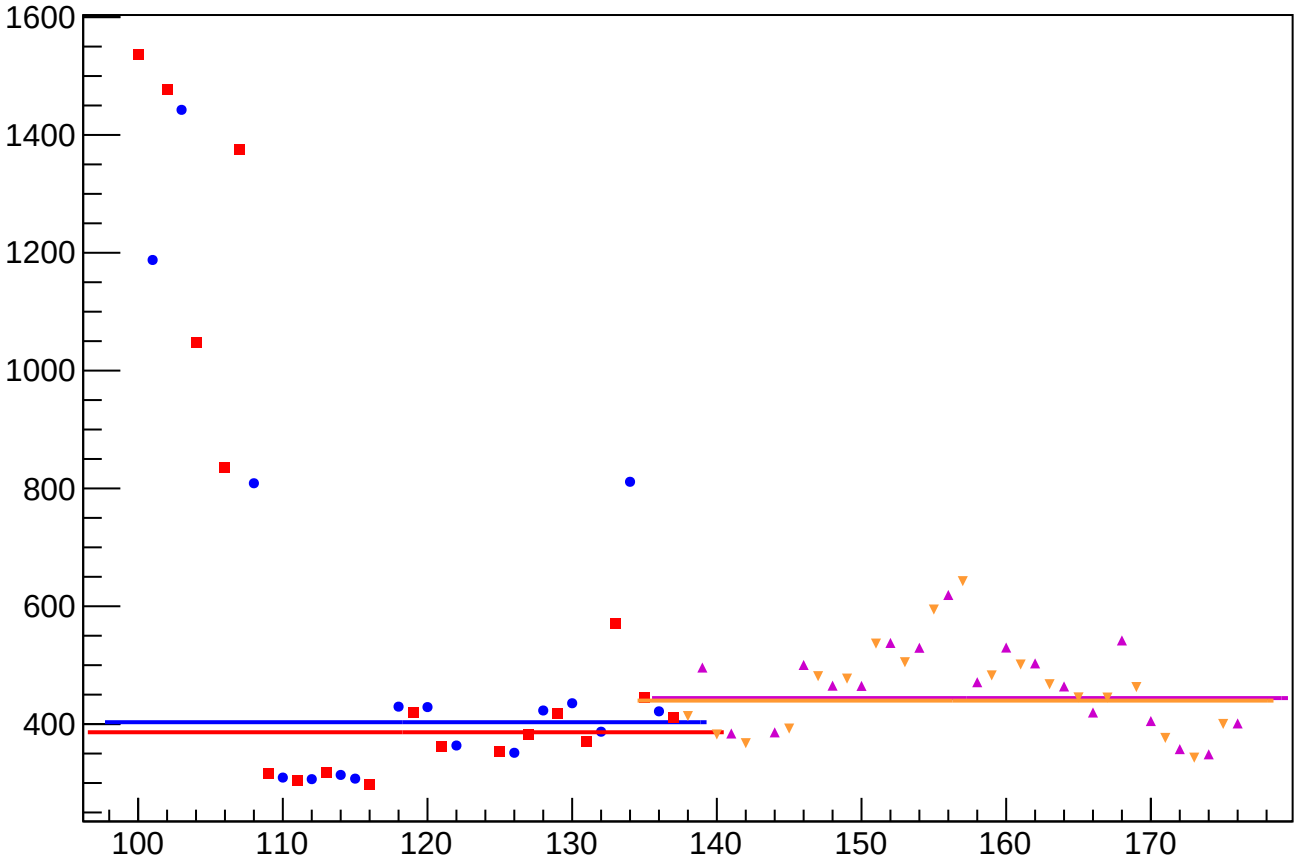
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -75.552+/-114.346 χ^2/NDF:26.5/18

+ sign -259.367+/-93.764 χ^2/NDF: 69.2/34

All: -203.986+/-65.764 χ^2/NDF: 111.1/71

- sign -150.363+/-92.263 χ^2/NDF: 41.2/36



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 439.879+/-0.081 χ^2/NDF:713870.1/18

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

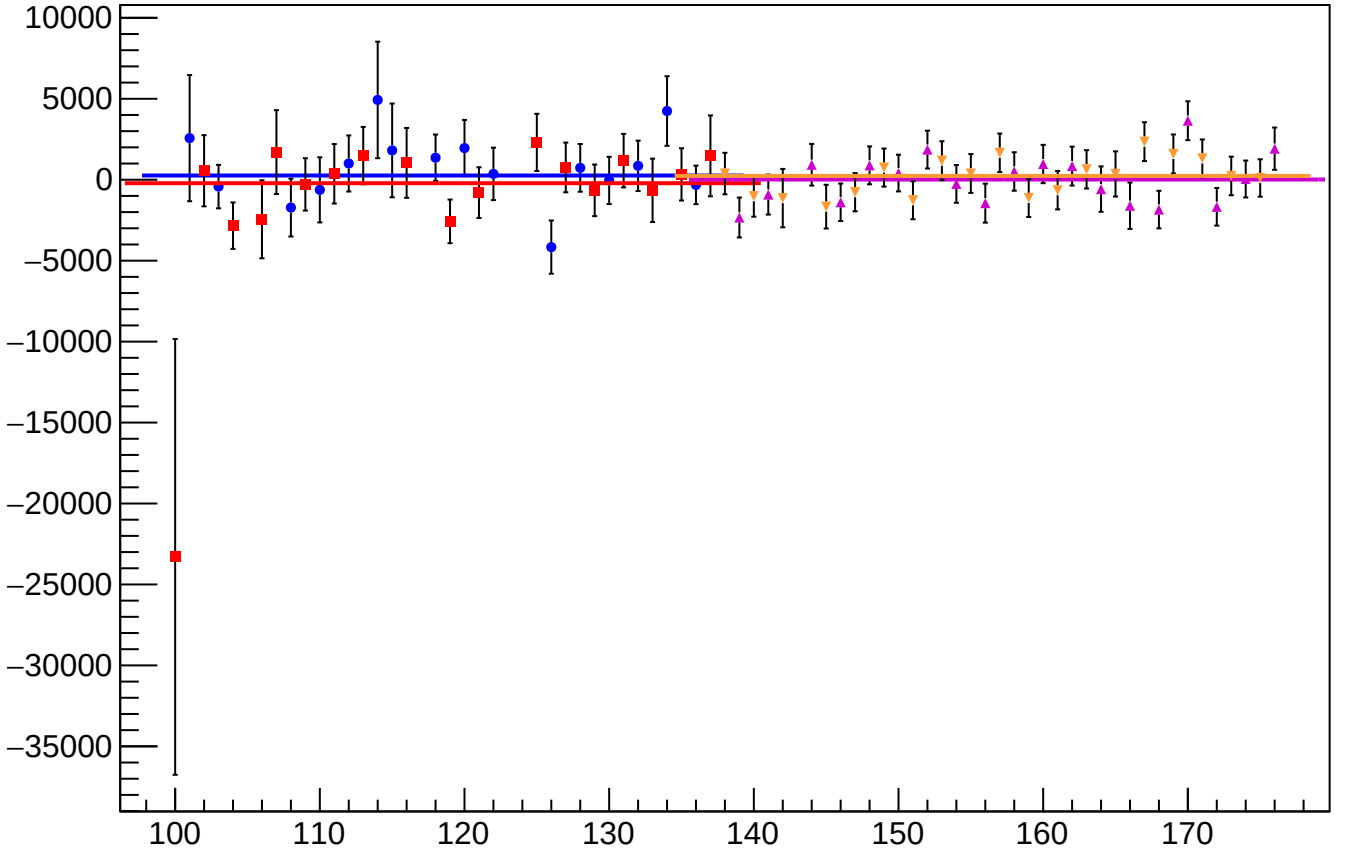
Left In: 444.129+/-0.081 χ^2/NDF:744335.0/18

+ sign 427.473+/-0.066 χ^2/NDF: 2590823.3/34

All: 425.656+/-0.047 χ^2/NDF: 5275201.1/71

- sign 423.896+/-0.065 χ^2/NDF: 2682898.7/36

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 236.558+/-282.032 χ^2/NDF:15.4/18

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

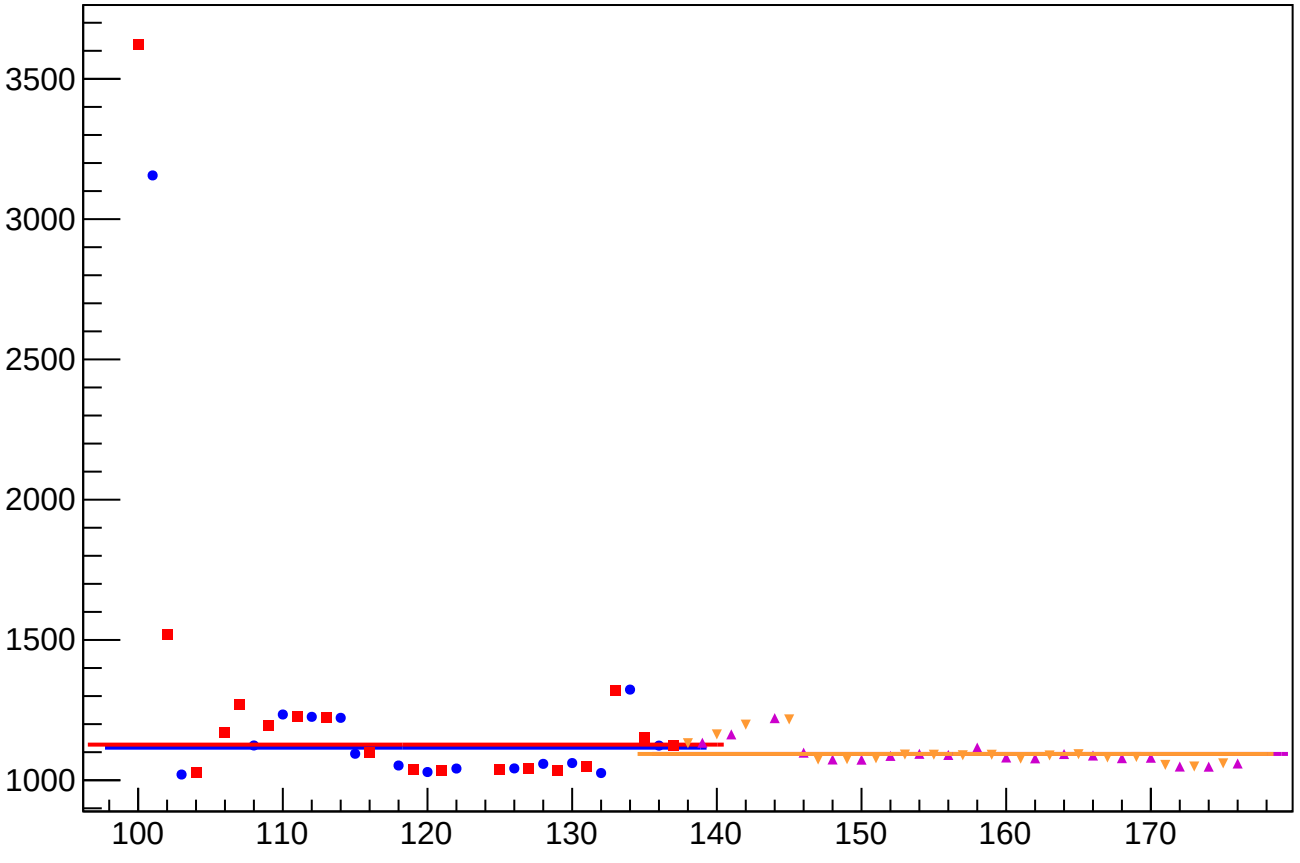
Left In: 12.754+/-277.626 χ^2/NDF:29.6/18

+ sign 243.860+/-234.938 χ^2/NDF: 32.4/34

All: 93.008+/-165.311 χ^2/NDF: 79.2/71

- sign -54.916+/-232.648 χ^2/NDF: 46.0/36

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1093.712+/-0.199 χ^2/NDF:40183.9/18

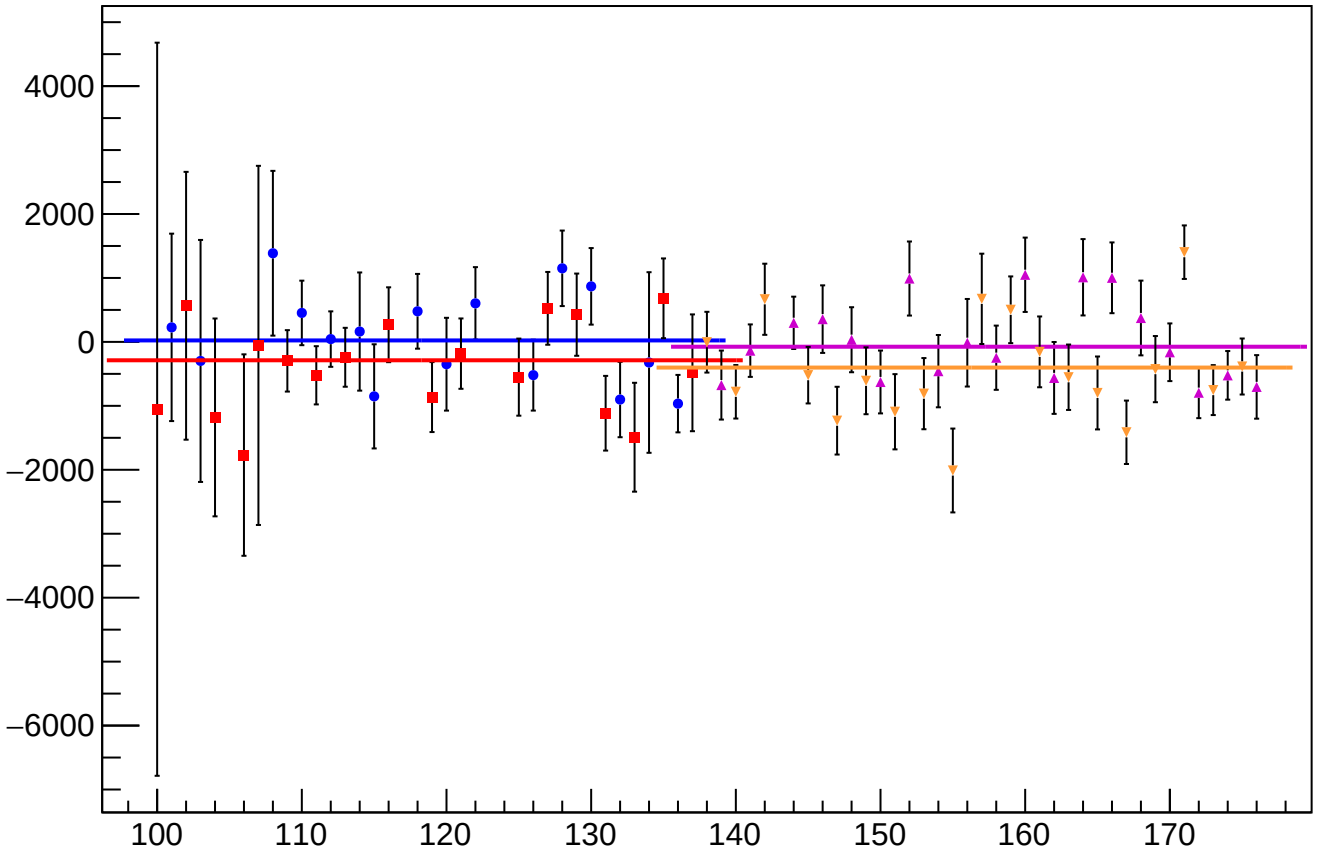
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1093.748+/-0.196 χ^2/NDF:38860.7/18

+ sign 1100.561+/-0.166 χ^2/NDF: 667429.6/34

All: 1102.114+/-0.117 χ^2/NDF: 937726.6/71

- sign 1103.638+/-0.165 χ^2/NDF: 270123.9/36



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -401.389+/-115.256 χ^2/NDF:45.5/18

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

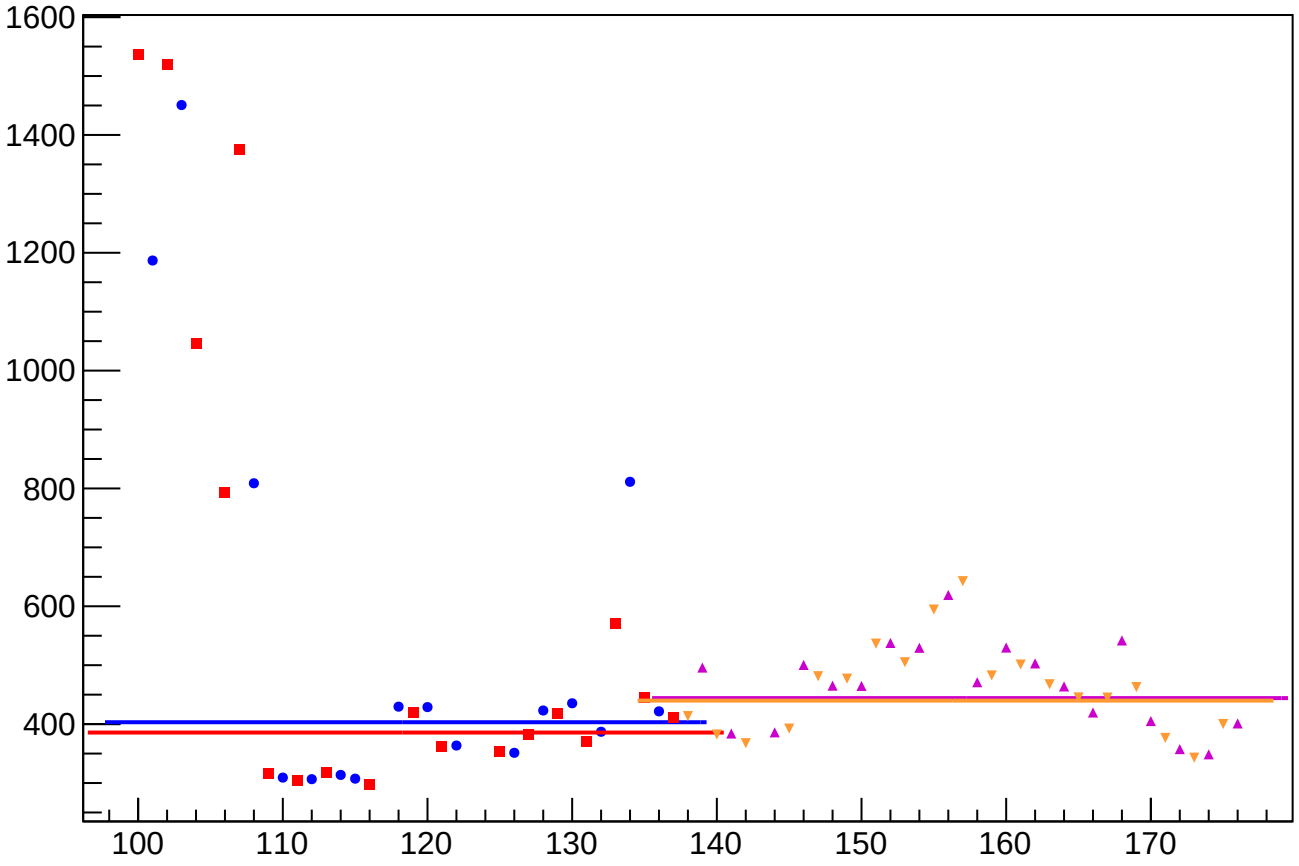
Left In: -75.538+/-114.346 χ^2/NDF:26.5/18

\+ sign -257.900+/-93.764 χ^2/NDF: 69.0/34

All: -202.842+/-65.766 χ^2/NDF: 111.1/71

\- sign -149.527+/-92.268 χ^2/NDF: 41.4/36

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: 439.875+/-0.081 χ^2/NDF:713938.7/18

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

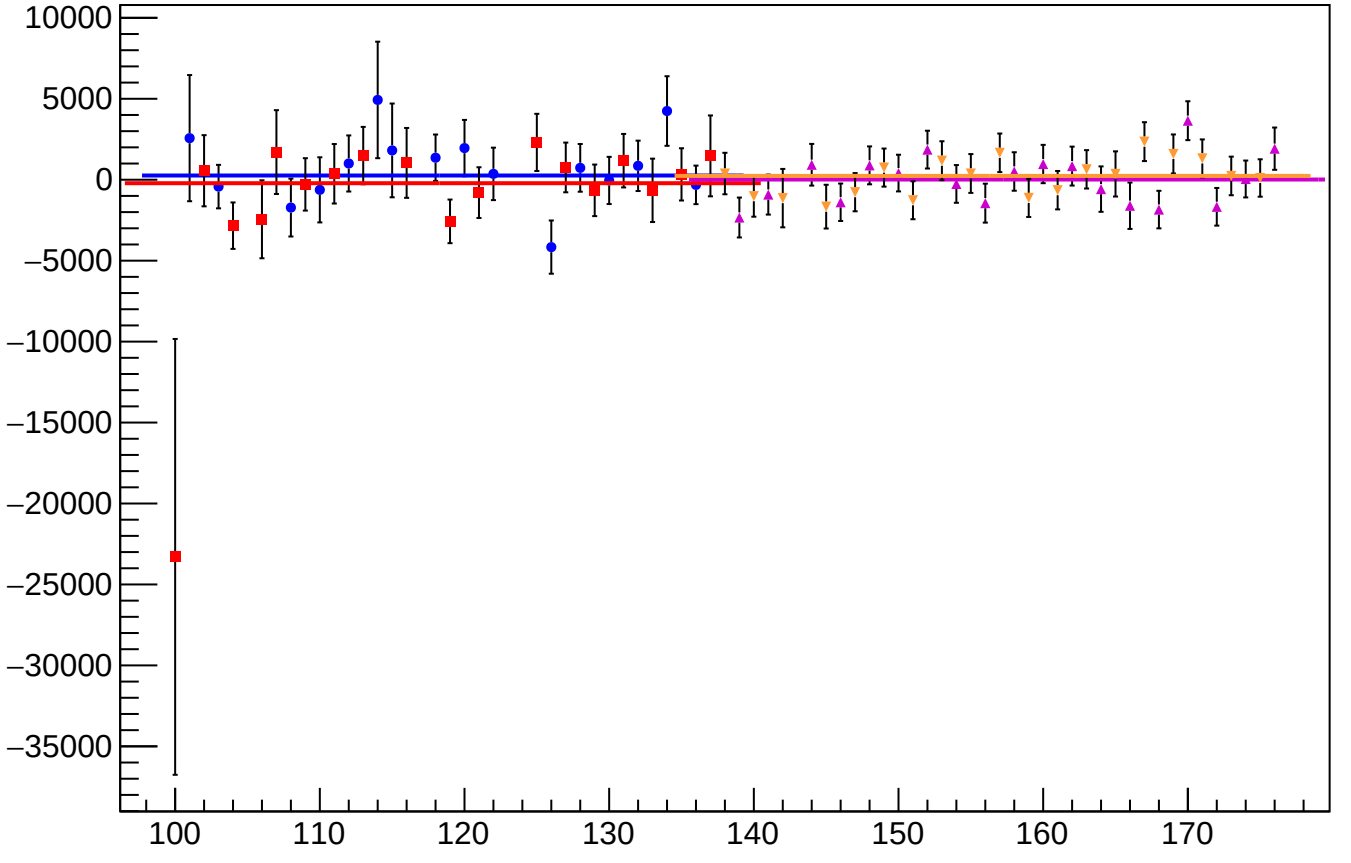
Left In: 444.130+/-0.081 χ^2/NDF:744218.9/18

\+ sign 427.467+/-0.066 χ^2/NDF: 2594599.7/34

All: 425.573+/-0.047 χ^2/NDF: 5269887.8/71

\- sign 423.739+/-0.065 χ^2/NDF: 2673681.8/36

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: 236.558+/-282.032 χ^2/NDF:15.4/18

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

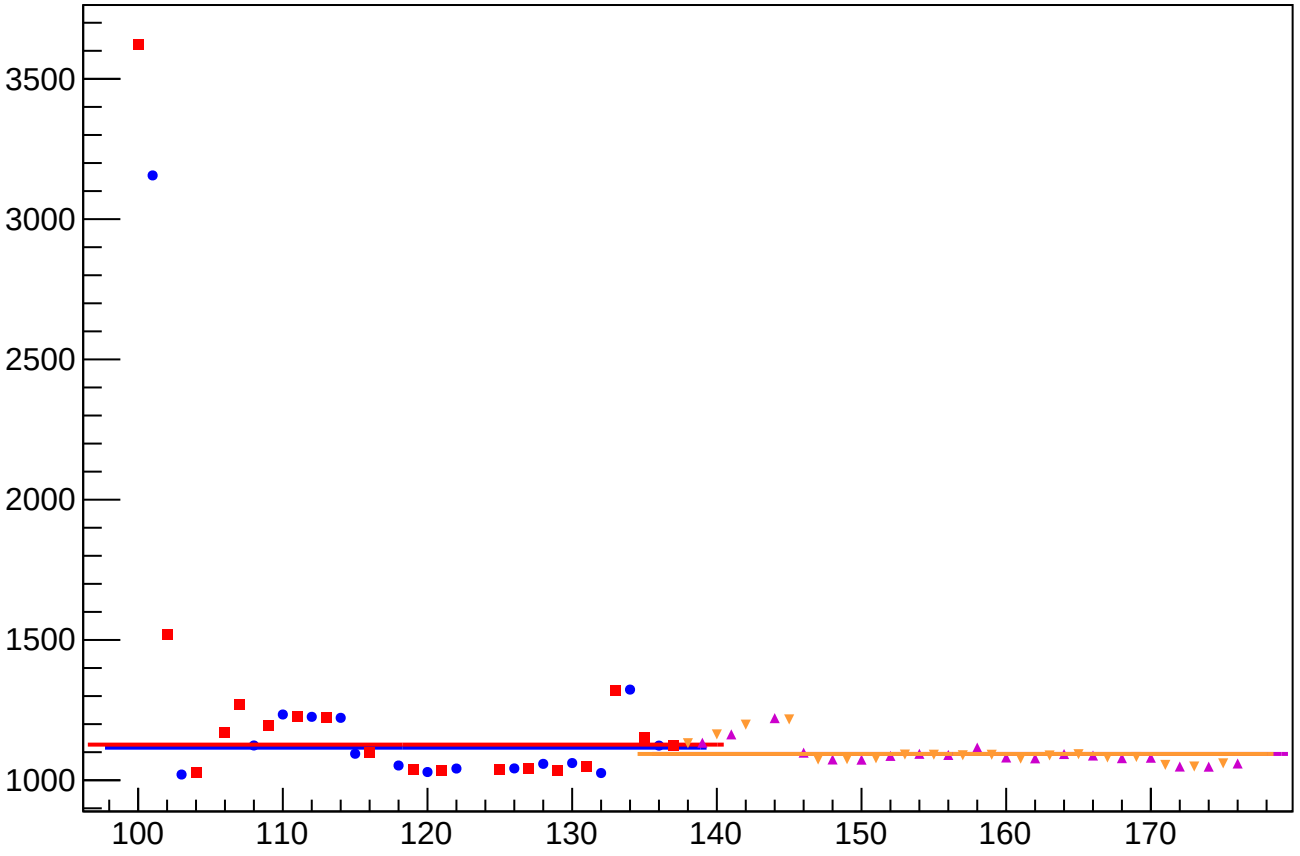
Left In: 12.754+/-277.626 χ^2/NDF:29.6/18

+ sign 243.860+/-234.938 χ^2/NDF: 32.4/34

All: 93.008+/-165.311 χ^2/NDF: 79.2/71

- sign -54.916+/-232.648 χ^2/NDF: 46.0/36

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: 1093.712+/-0.199 χ^2/NDF:40183.9/18

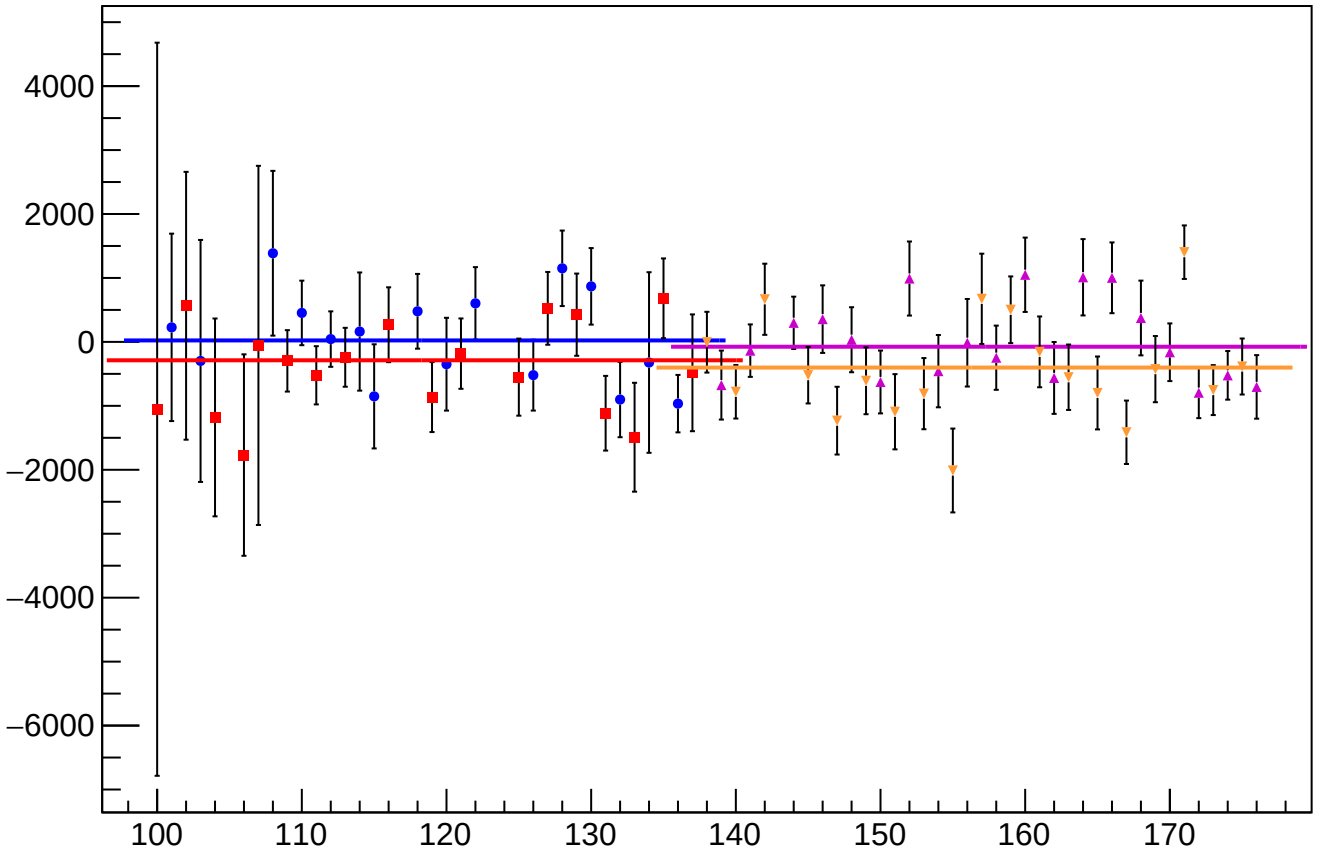
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1093.748+/-0.196 χ^2/NDF:38860.7/18

+ sign 1100.561+/-0.166 χ^2/NDF: 667429.6/34

All: 1102.114+/-0.117 χ^2/NDF: 937726.6/71

- sign 1103.638+/-0.165 χ^2/NDF: 270123.9/36



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -401.389+/-115.256 χ^2/NDF:45.5/18

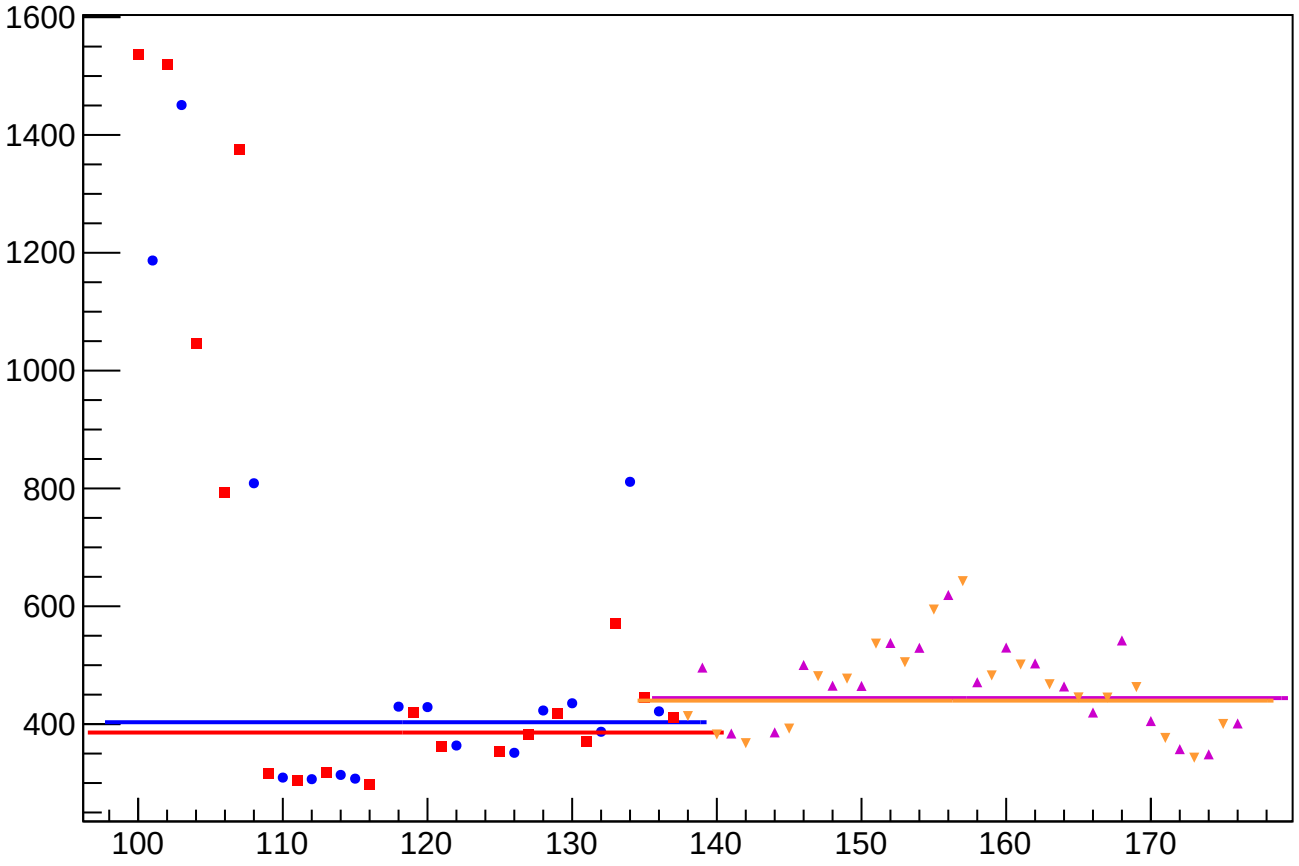
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -75.538+/-114.346 χ^2/NDF:26.5/18

+ sign -257.900+/-93.764 χ^2/NDF: 69.0/34

All: -202.842+/-65.766 χ^2/NDF: 111.1/71

- sign -149.527+/-92.268 χ^2/NDF: 41.4/36



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 439.875+/-0.081 χ^2/NDF:713938.7/18

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

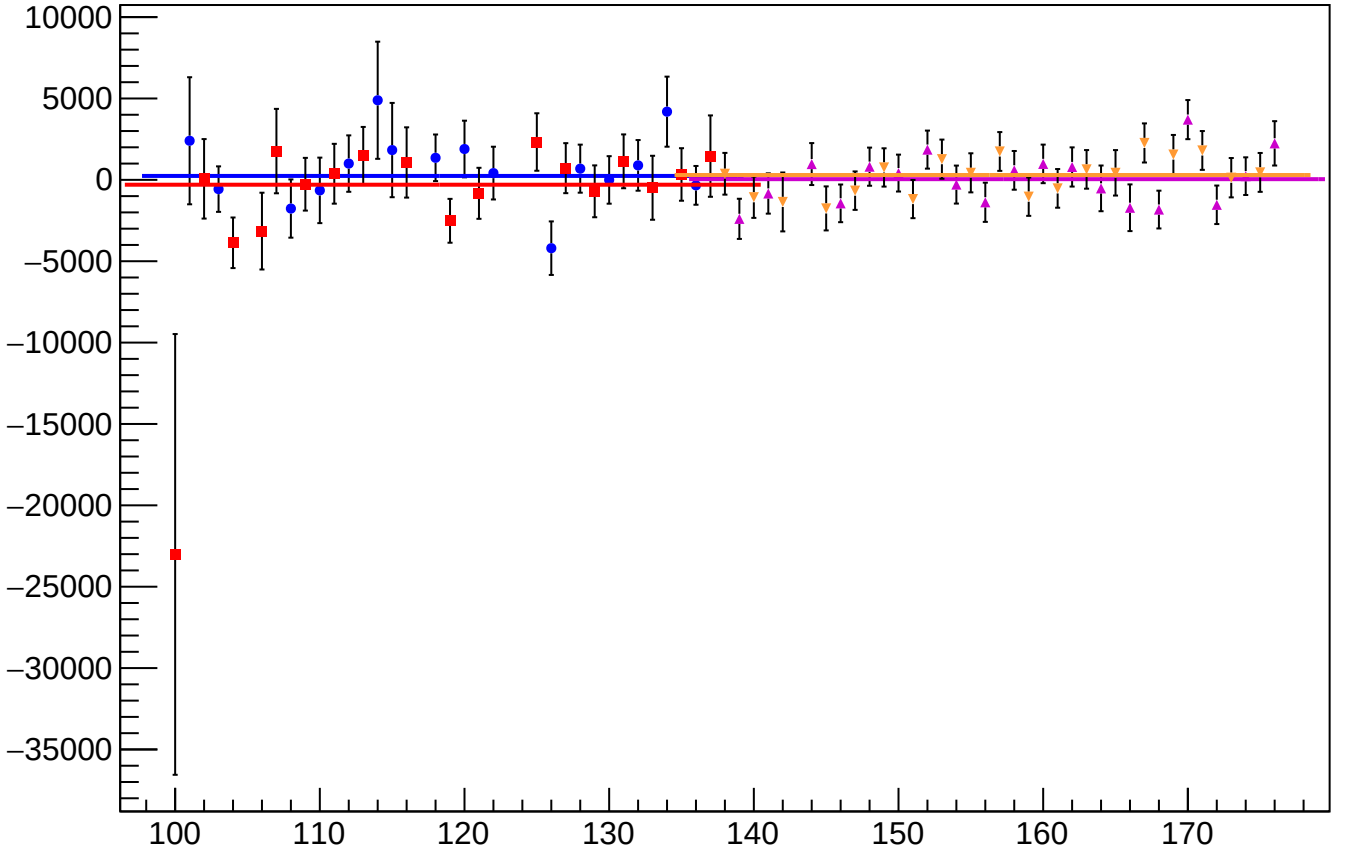
Left In: 444.130+/-0.081 χ^2/NDF:744218.9/18

+ sign 427.467+/-0.066 χ^2/NDF: 2594599.7/34

All: 425.573+/-0.047 χ^2/NDF: 5269887.8/71

- sign 423.739+/-0.065 χ^2/NDF: 2673681.8/36

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 297.180+/-283.360 χ^2/NDF:16.1/18

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

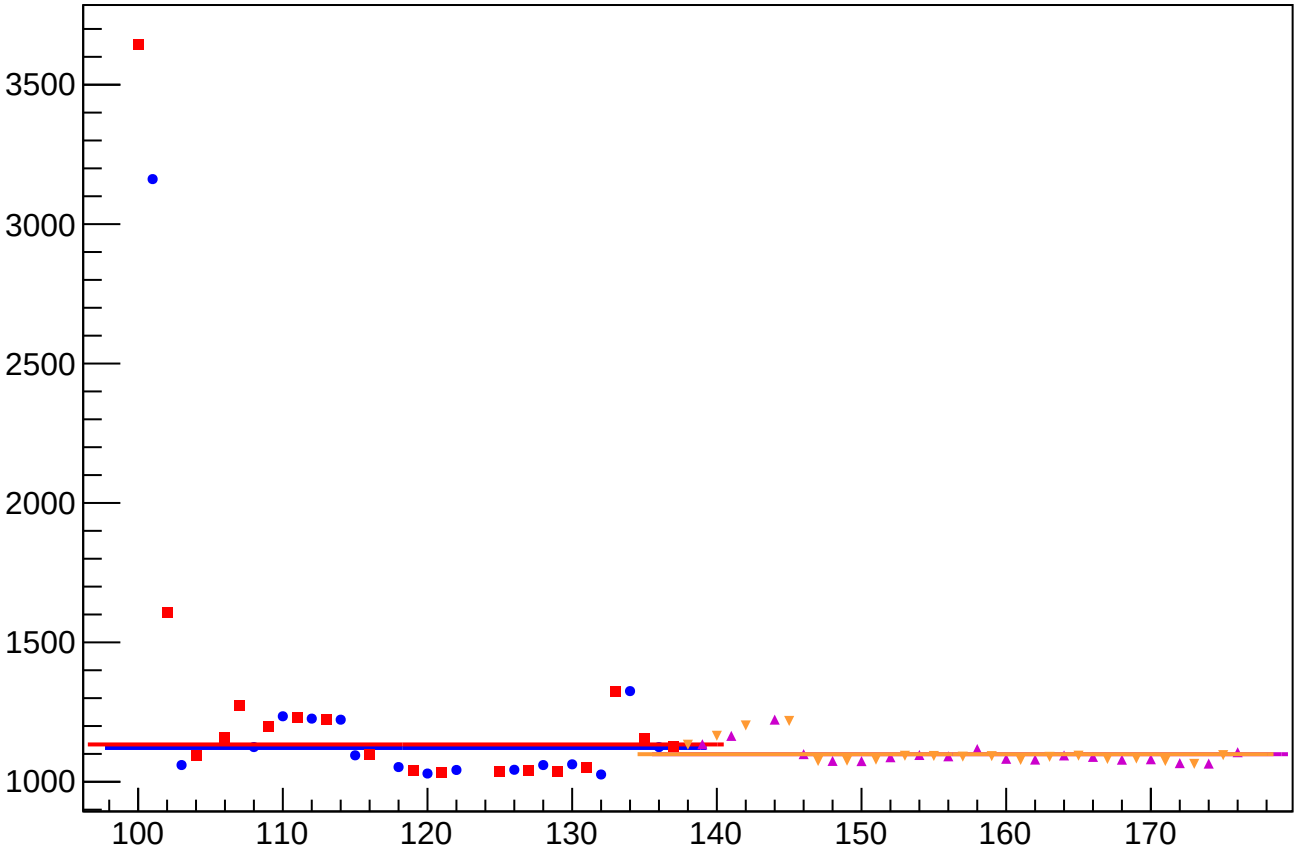
Left In: 42.380+/-278.923 χ^2/NDF:30.2/18

+ sign 279.928+/-236.034 χ^2/NDF: 33.1/34

All: 109.371+/-166.223 χ^2/NDF: 83.4/71

- sign -58.443+/-234.128 χ^2/NDF: 49.3/36

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1098.924+/-0.200 χ^2/NDF:35336.6/18

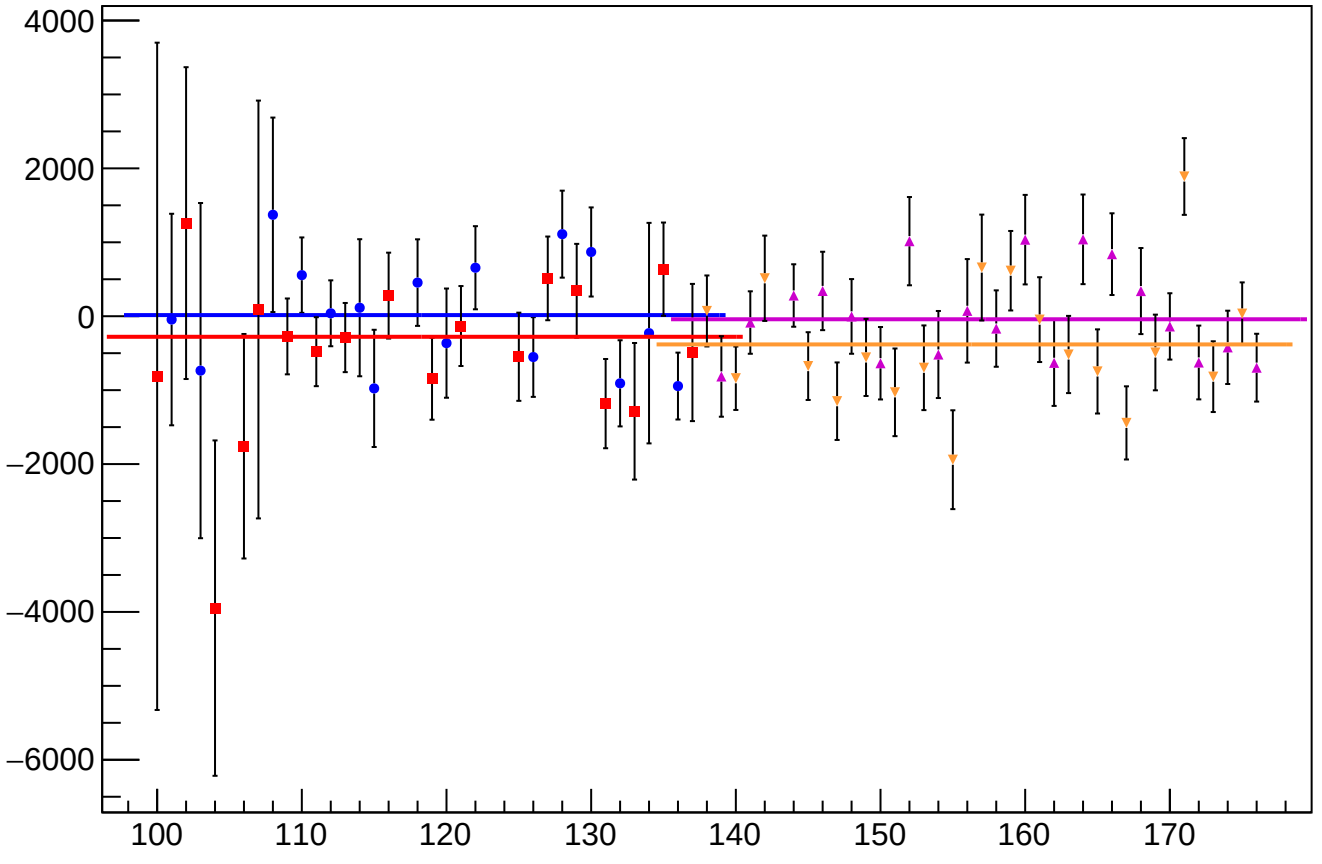
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.941+/-0.197 χ^2/NDF:33622.4/18

+ sign 1105.772+/-0.167 χ^2/NDF: 656181.0/34

All: 1107.539+/-0.118 χ^2/NDF: 926779.4/71

- sign 1109.277+/-0.166 χ^2/NDF: 270376.2/36



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -381.378+/-119.719 χ^2/NDF:46.0/18

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

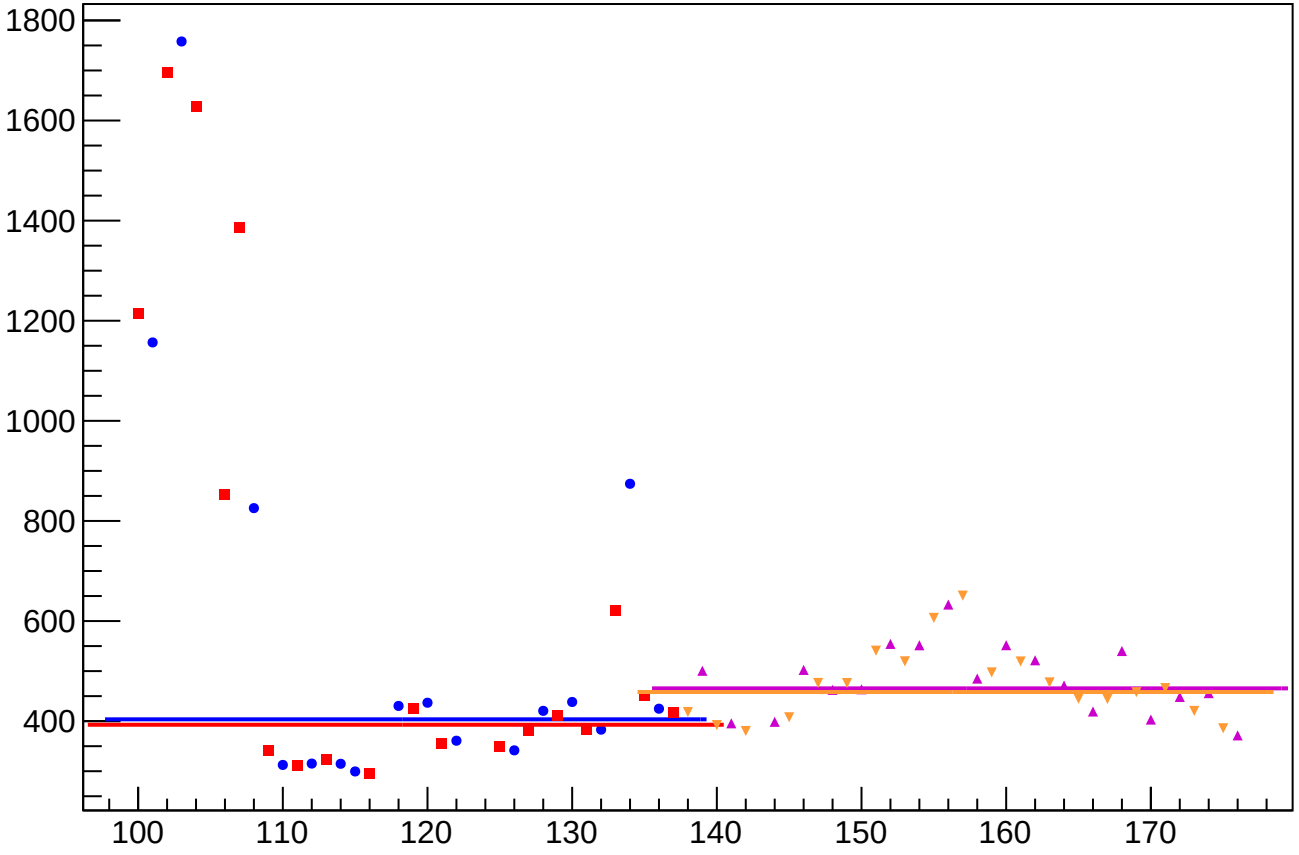
Left In: -41.185+/-119.425 χ^2/NDF:22.9/18

+ sign -241.092+/-96.248 χ^2/NDF: 69.5/34

All: -183.475+/-67.775 χ^2/NDF: 109.6/71

- sign -126.807+/-95.452 χ^2/NDF: 39.3/36

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 458.261+/-0.085 χ^2/NDF:541724.9/18

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

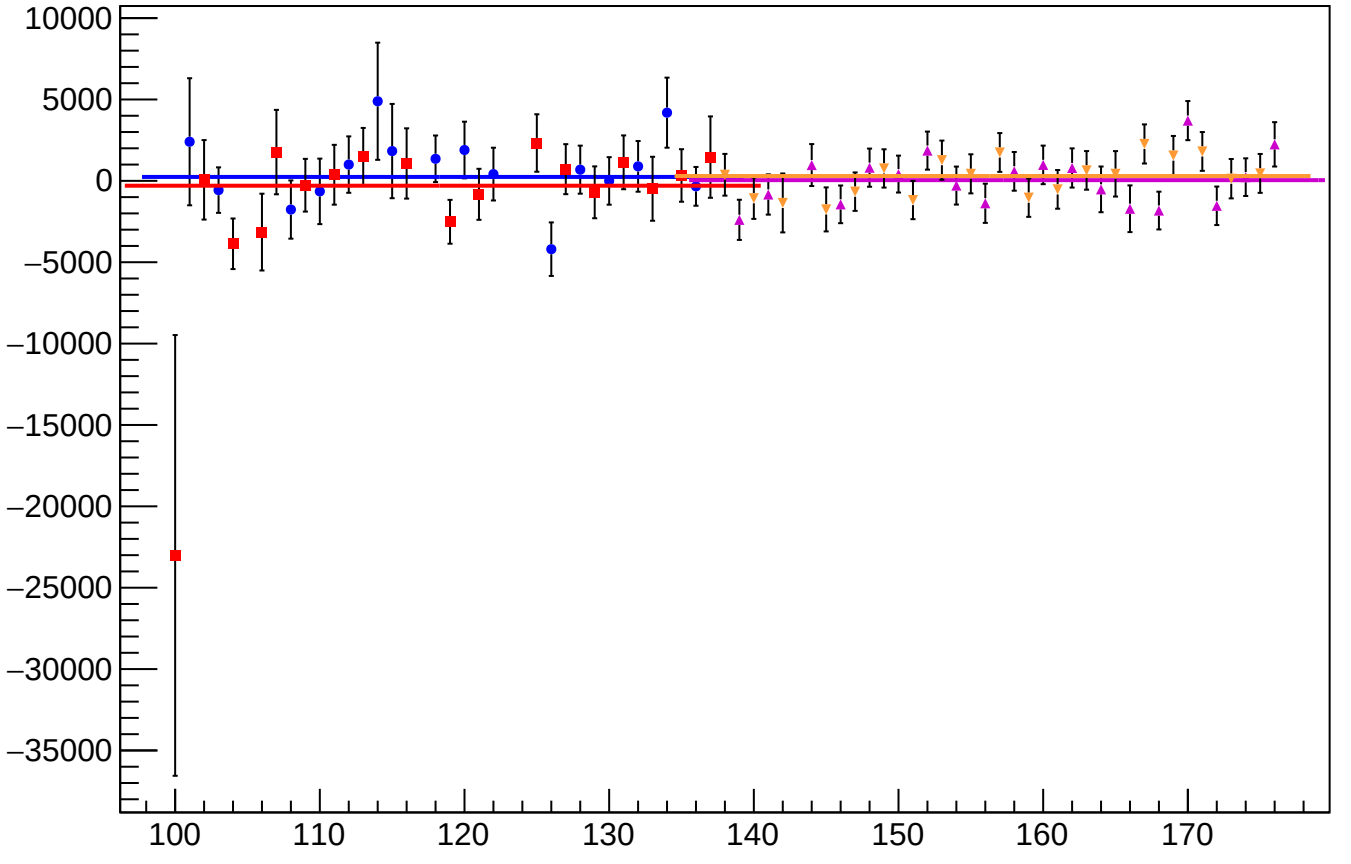
Left In: 465.521+/-0.084 χ^2/NDF:558871.2/18

+ sign 438.950+/-0.068 χ^2/NDF: 2618473.9/34

All: 439.108+/-0.048 χ^2/NDF: 5648503.5/71

- sign 439.263+/-0.067 χ^2/NDF: 3030018.9/36

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: 297.177+/-283.360 χ^2/NDF:16.1/18

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

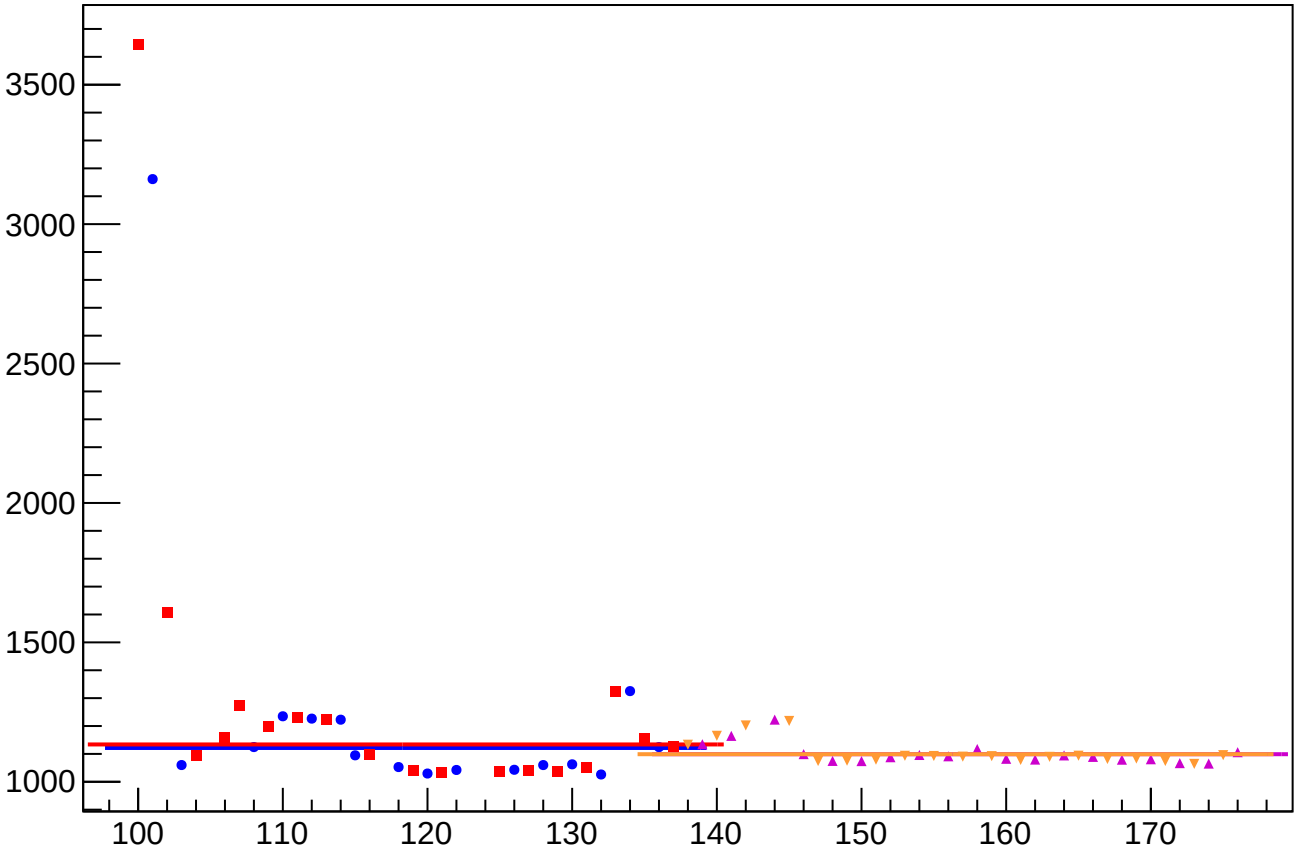
Left In: 42.379+/-278.923 χ^2/NDF:30.2/18

+ sign 279.927+/-236.034 χ^2/NDF: 33.1/34

All: 109.370+/-166.223 χ^2/NDF: 83.4/71

- sign -58.444+/-234.128 χ^2/NDF: 49.3/36

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: 1098.924+/-0.200 χ^2/NDF:35336.9/18

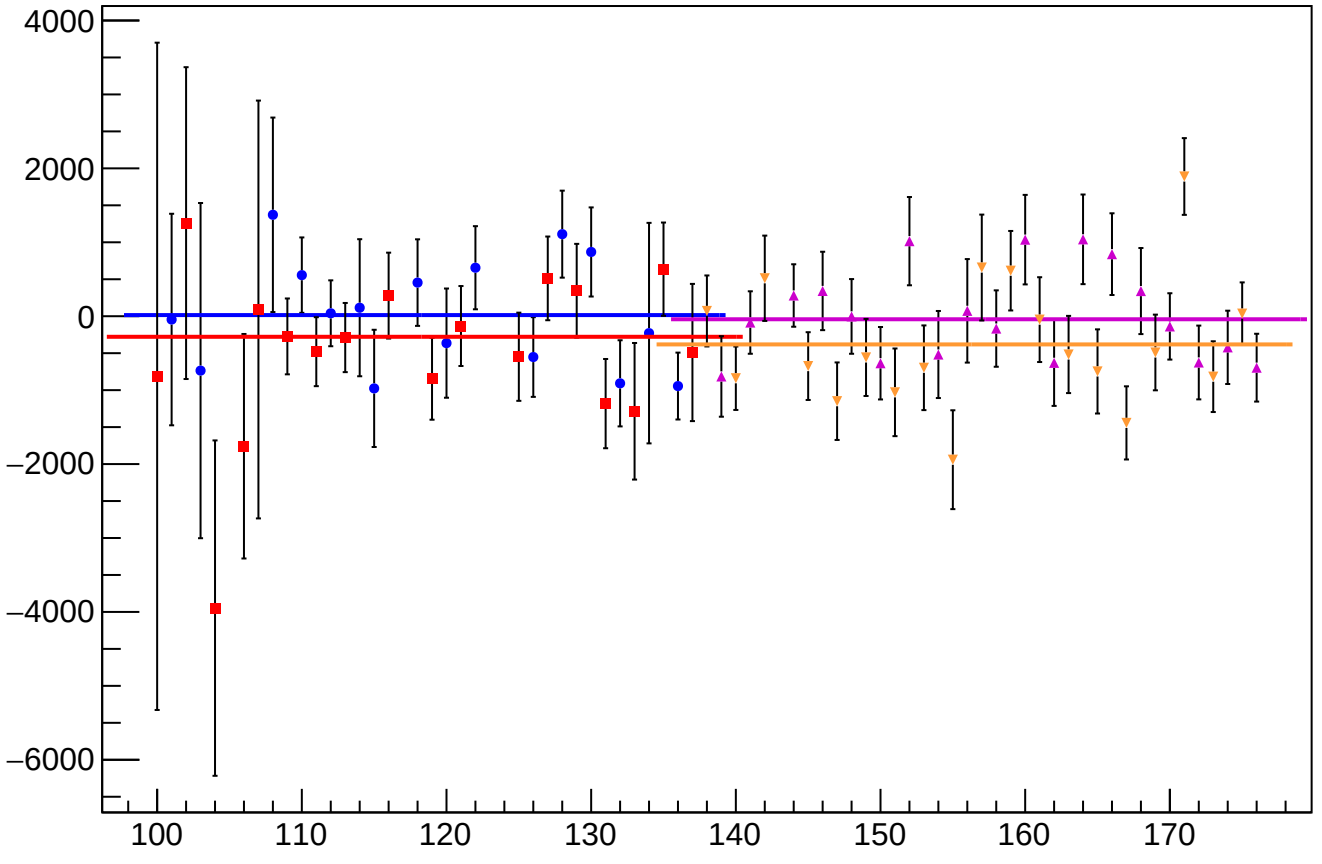
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.941+/-0.197 χ^2/NDF:33622.7/18

+ sign 1105.772+/-0.167 χ^2/NDF: 656181.3/34

All: 1107.539+/-0.118 χ^2/NDF: 926780.0/71

- sign 1109.277+/-0.166 χ^2/NDF: 270376.5/36



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -381.379+/-119.719 χ^2/NDF:46.0/18

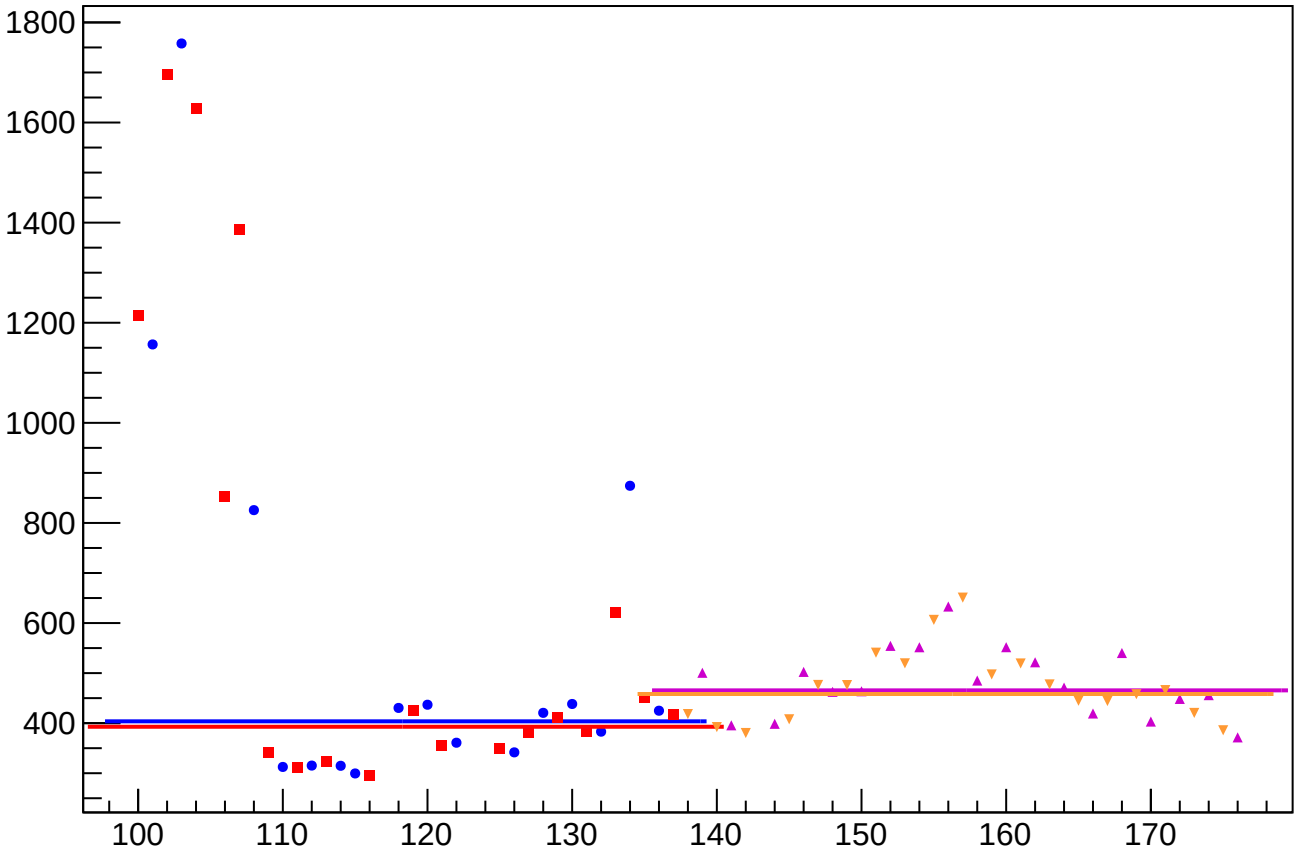
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -41.186+/-119.425 χ^2/NDF:22.9/18

+ sign -241.093+/-96.248 χ^2/NDF: 69.5/34

All: -183.476+/-67.774 χ^2/NDF: 109.6/71

- sign -126.808+/-95.452 χ^2/NDF: 39.3/36



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 458.261+/-0.085 χ^2/NDF:541748.1/18

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

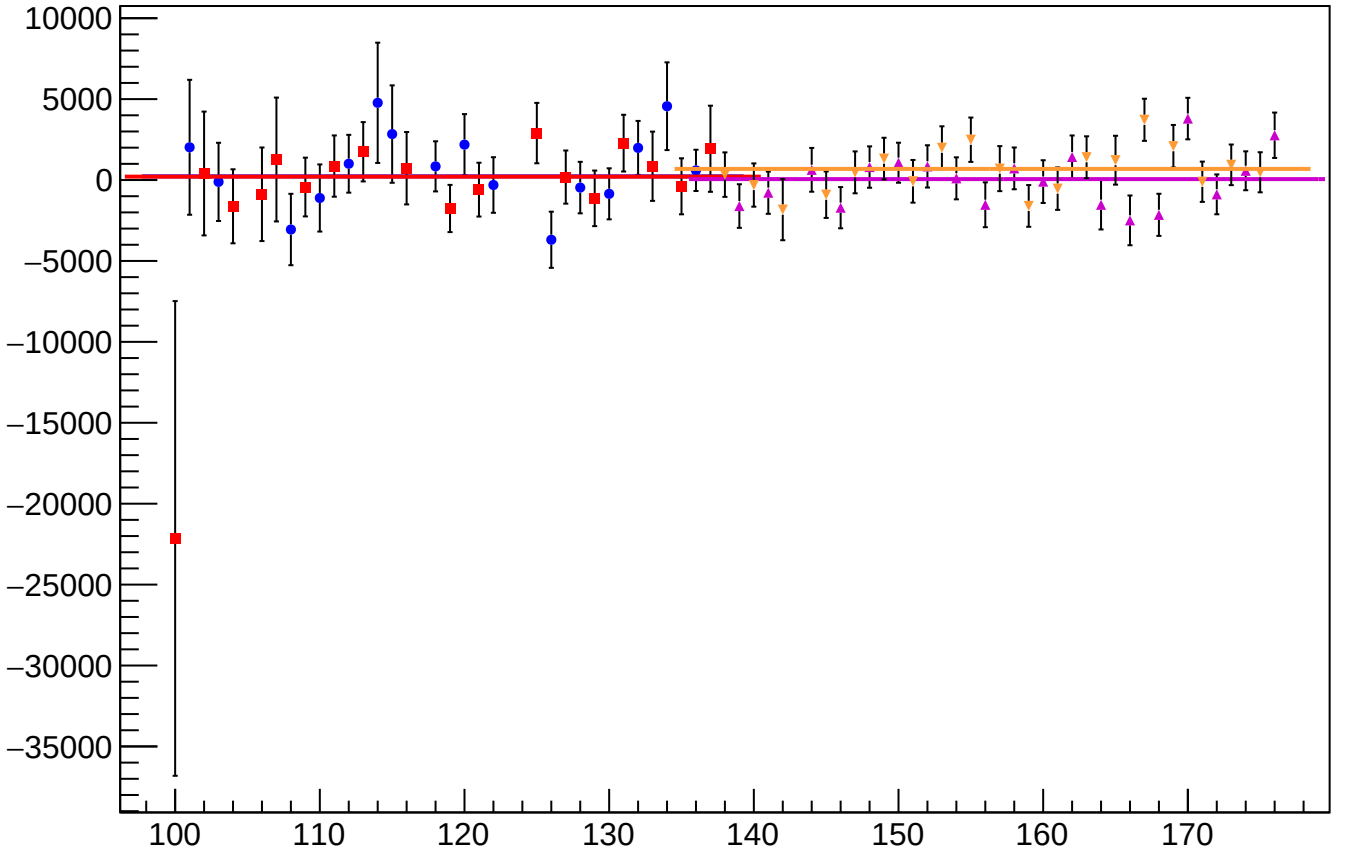
Left In: 465.521+/-0.084 χ^2/NDF:558881.1/18

+ sign 438.948+/-0.068 χ^2/NDF: 2618510.7/34

All: 439.106+/-0.048 χ^2/NDF: 5648586.0/71

- sign 439.262+/-0.067 χ^2/NDF: 3030064.6/36

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 687.812+/-307.601 χ^2/NDF:18.4/18

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

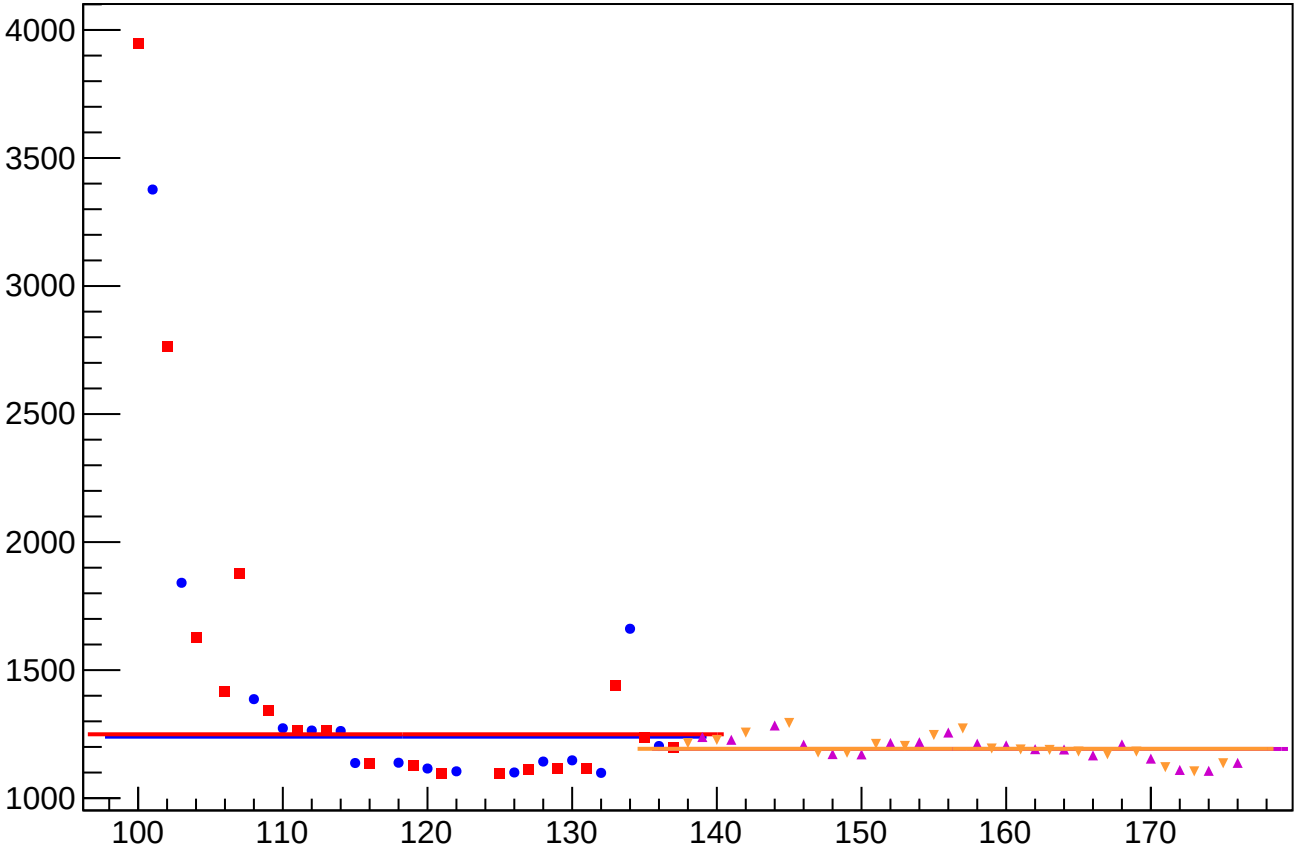
Left In: 57.184+/-302.635 χ^2/NDF:27.8/18

+ sign 550.837+/-258.120 χ^2/NDF: 35.2/34

All: 323.703+/-181.645 χ^2/NDF: 75.6/71

- sign 100.864+/-255.668 χ^2/NDF: 38.8/36

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1192.726+/-0.218 χ^2/NDF:46217.8/18

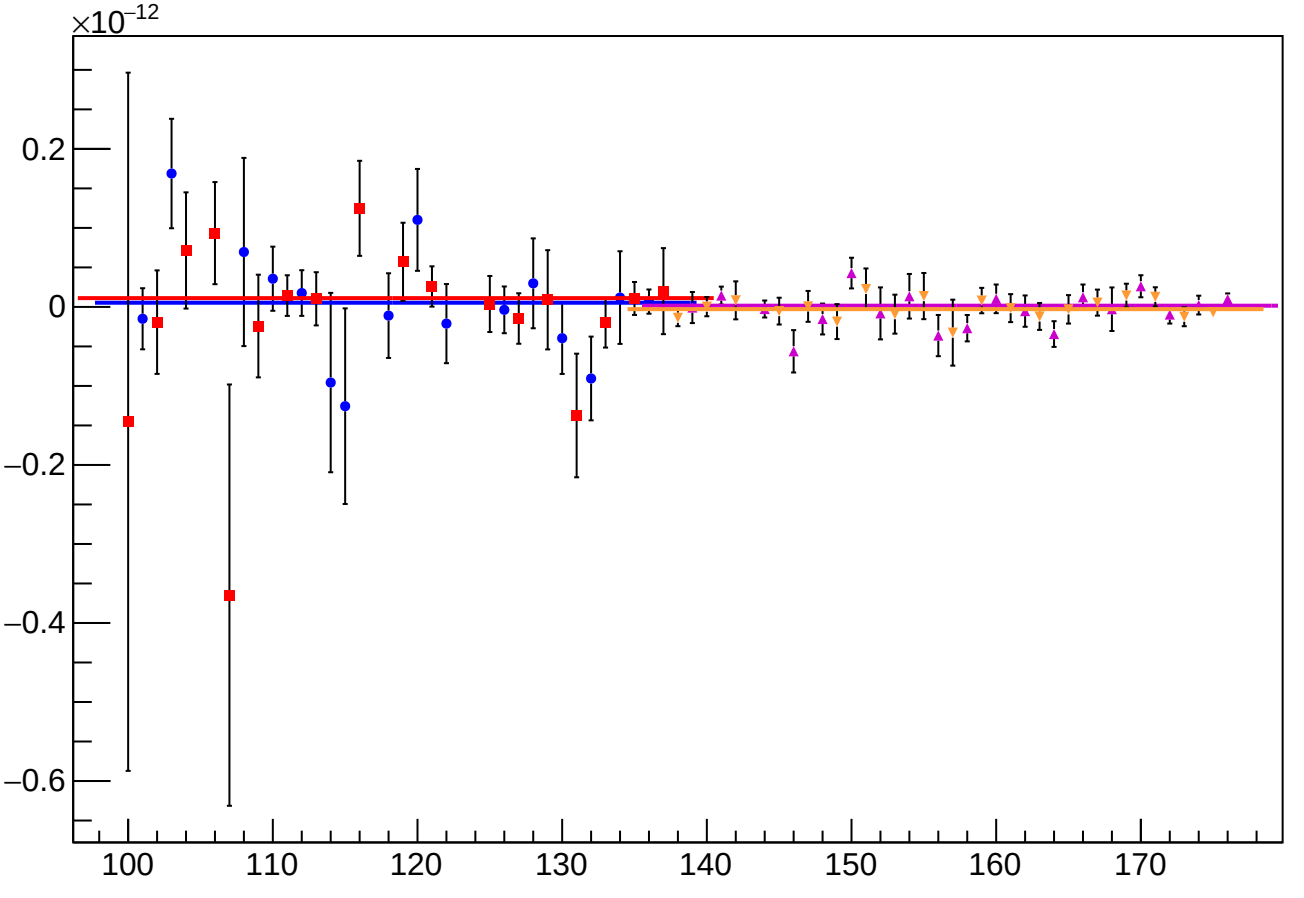
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1192.101+/-0.214 χ^2/NDF:45566.0/18

+ sign 1206.753+/-0.183 χ^2/NDF: 842955.4/34

All: 1207.640+/-0.128 χ^2/NDF: 1515200.9/71

- sign 1208.509+/-0.181 χ^2/NDF: 672198.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.8/18

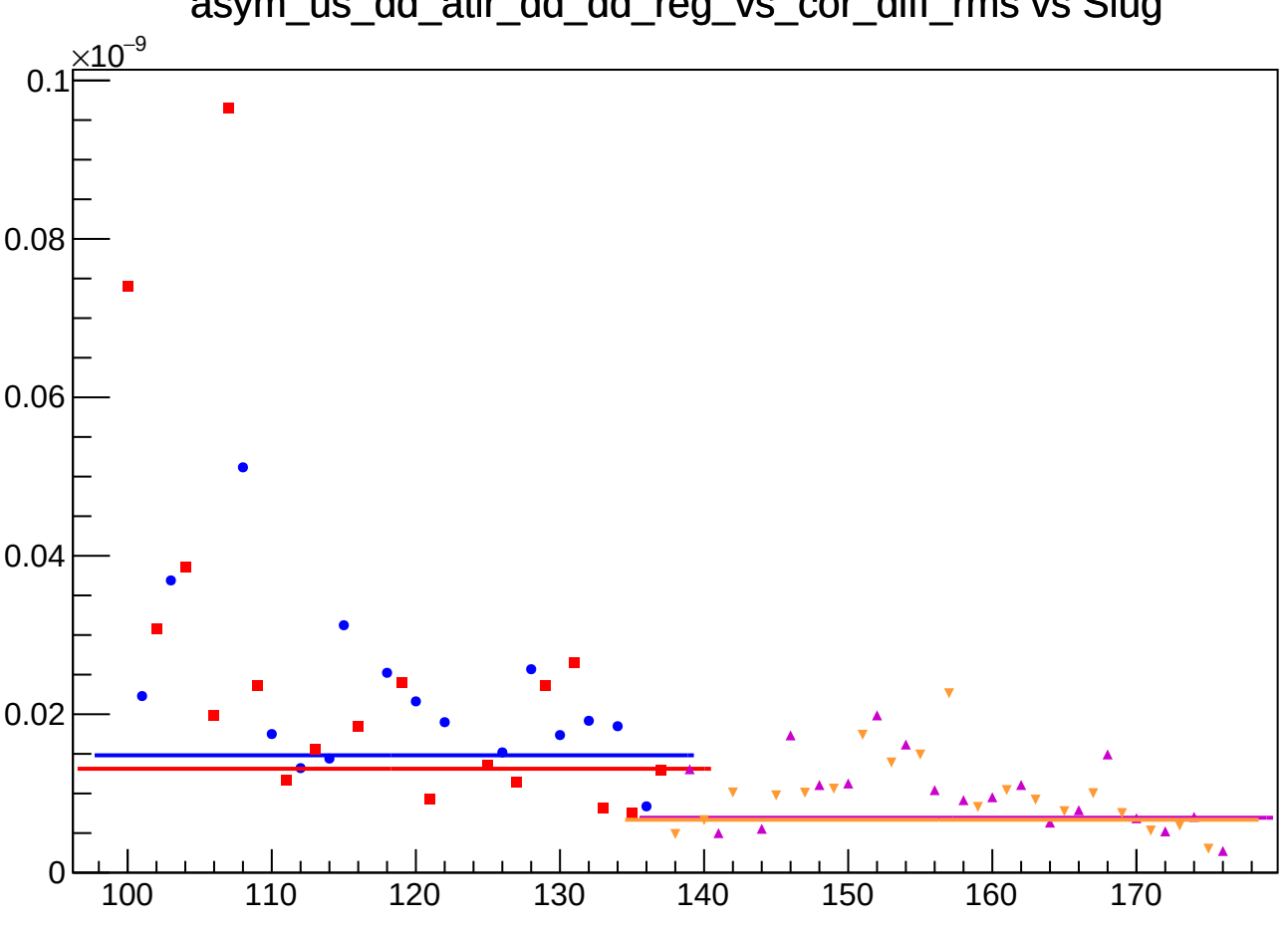
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:27.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 25.8/34

All: 0.000+/-0.000 χ^2/NDF: 70.5/71

- sign 0.000+/-0.000 χ^2/NDF: 43.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2235965.7/18

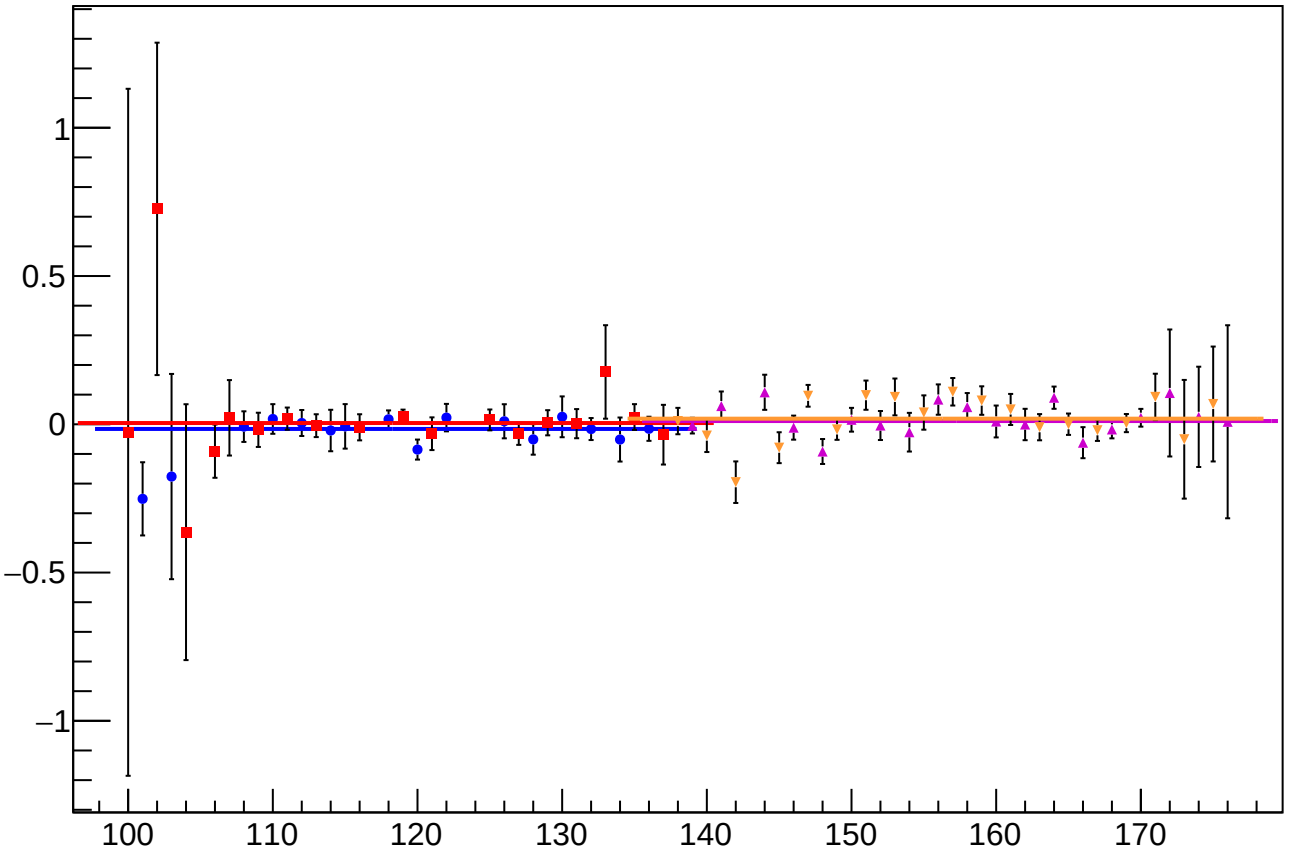
Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2389040.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 4589787.0/34

All: 0.000+/-0.000 χ^2/NDF: 8931287.9/71

- sign 0.000+/-0.000 χ^2/NDF: 4339935.9/36



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

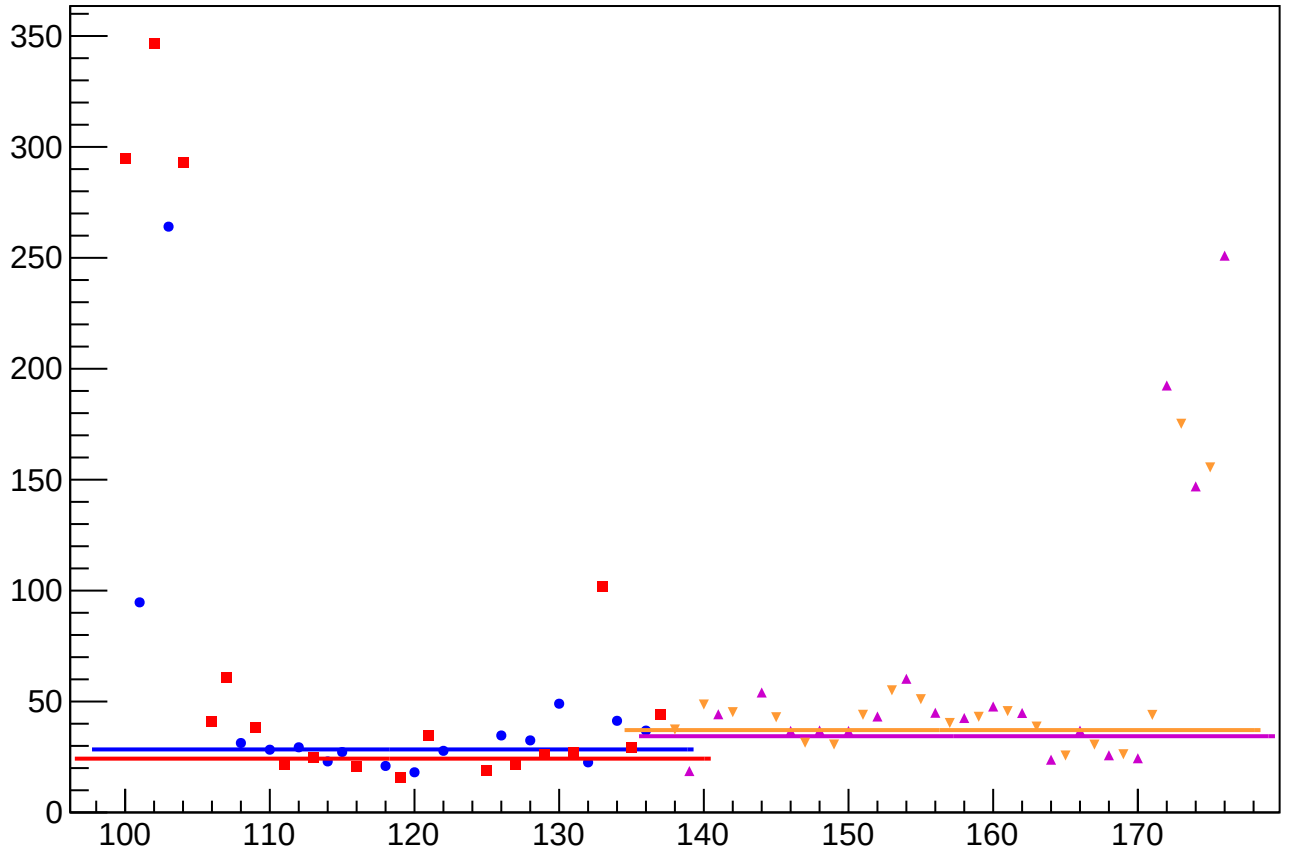
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.4/18

+ sign 0.004+/-0.008 χ^2/NDF: 48.9/34

All: 0.006+/-0.006 χ^2/NDF: 78.5/71

- sign 0.008+/-0.008 χ^2/NDF: 29.5/36



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.128+/-0.008 χ^2/NDF:2907736.2/18

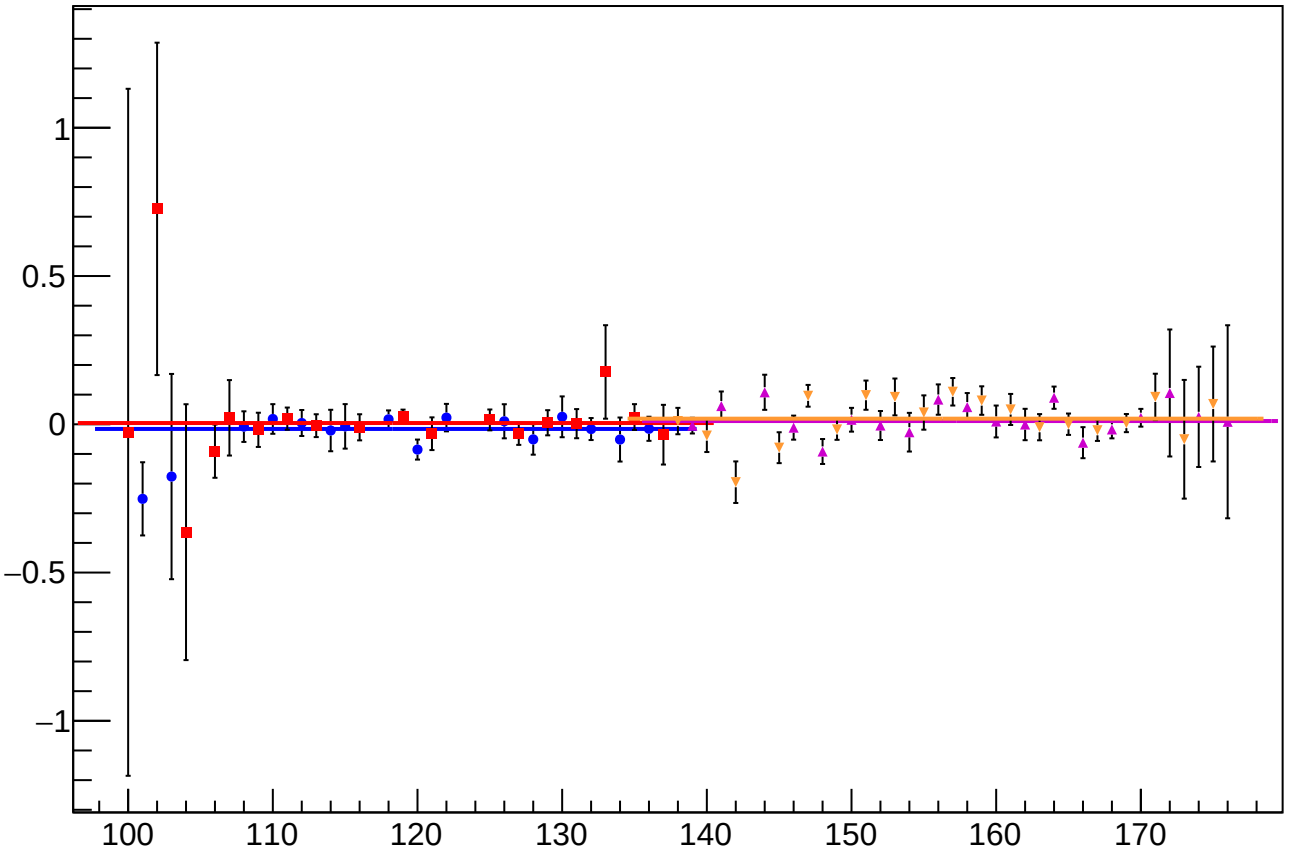
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.369+/-0.007 χ^2/NDF:5165037.5/18

\+ sign 33.323+/-0.006 χ^2/NDF: 5718799.6/34

All: 31.480+/-0.004 χ^2/NDF: 14855942.2/71

\- sign 29.849+/-0.005 χ^2/NDF: 8943370.7/36



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

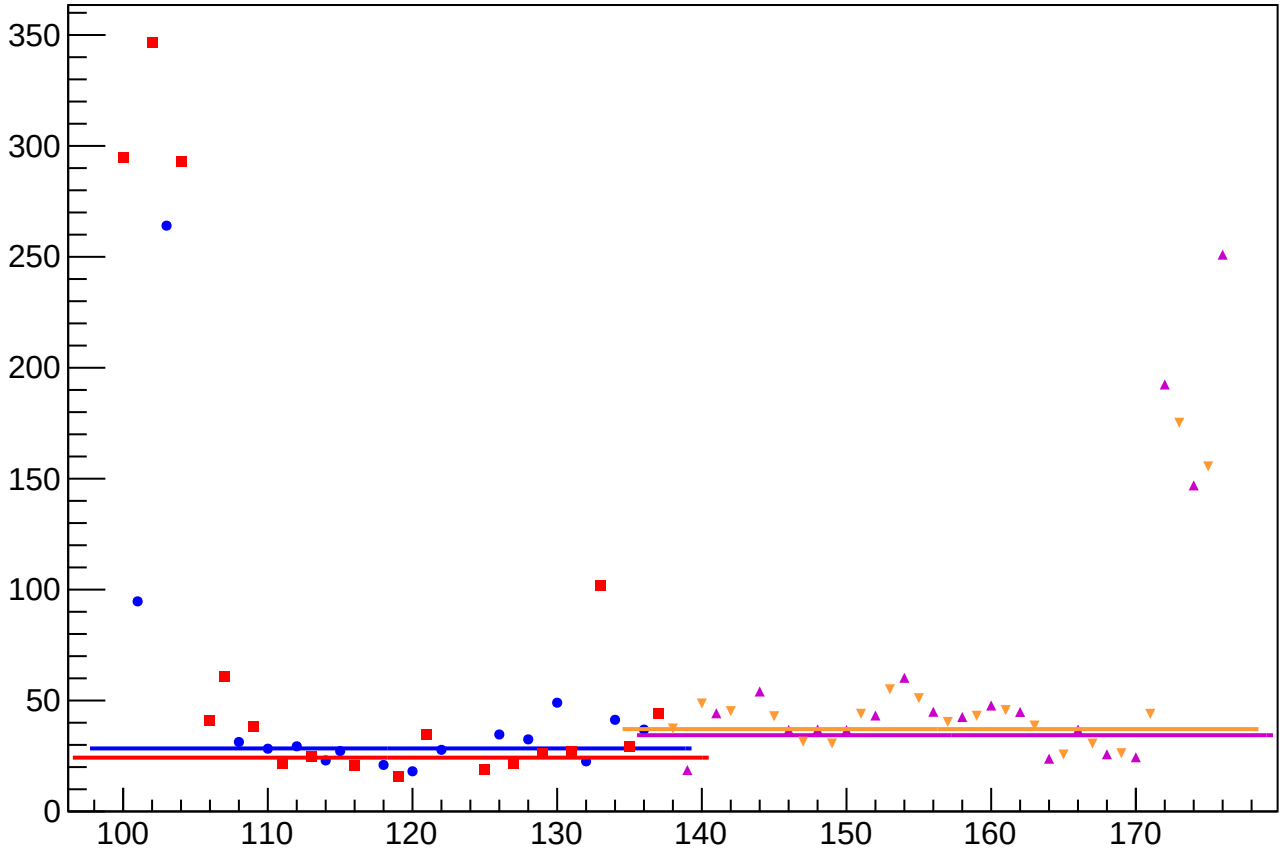
Left In: 0.011+/-0.010 χ^2/NDF:21.4/18

+ sign 0.004+/-0.008 χ^2/NDF: 48.9/34

All: 0.006+/-0.006 χ^2/NDF: 78.5/71

- sign 0.008+/-0.008 χ^2/NDF: 29.5/36

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.128+/-0.008 χ^2/NDF:2907736.2/18

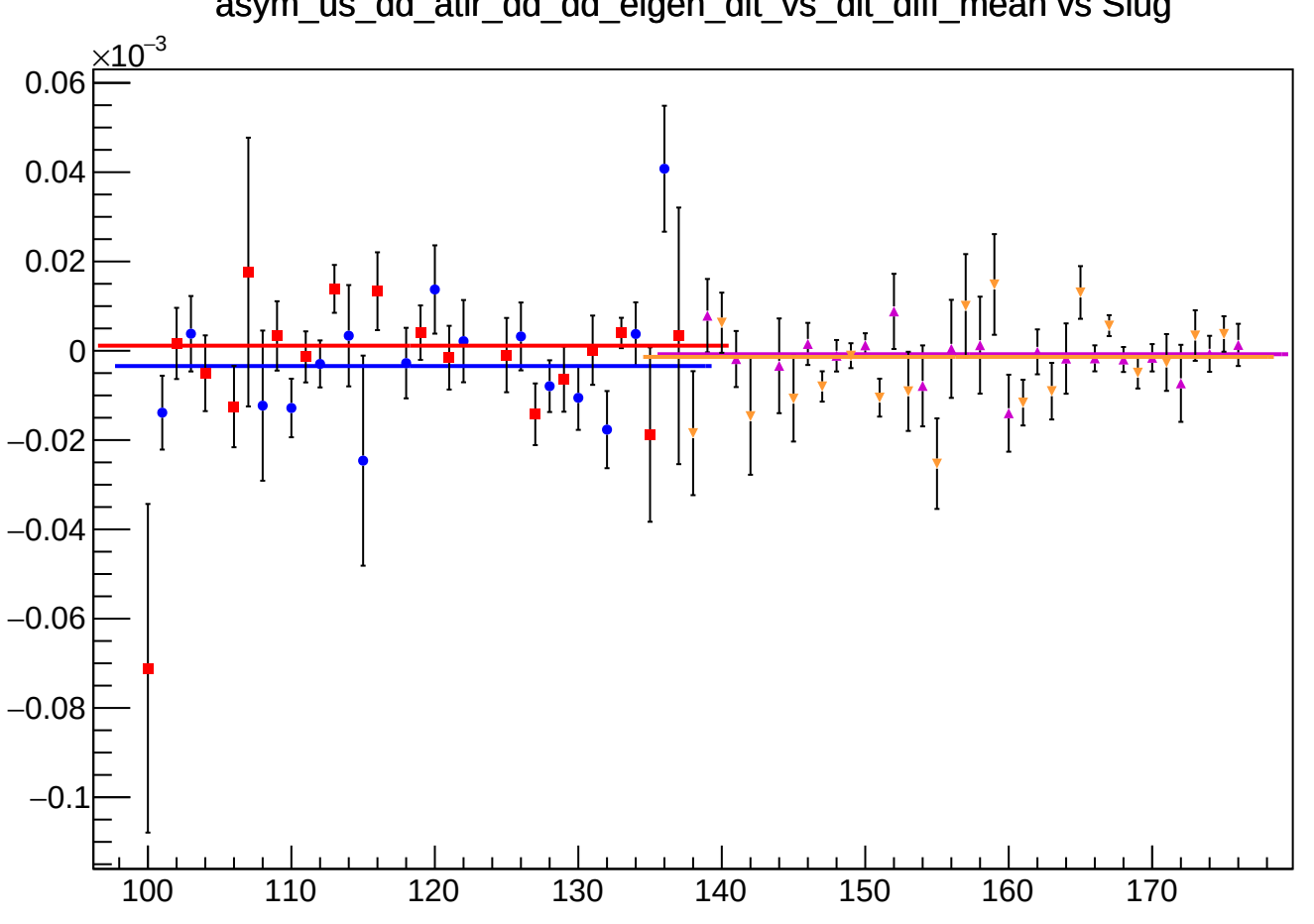
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.369+/-0.007 χ^2/NDF:5165037.5/18

+ sign 33.323+/-0.006 χ^2/NDF: 5718799.6/34

All: 31.480+/-0.004 χ^2/NDF: 14855942.2/71

- sign 29.849+/-0.005 χ^2/NDF: 8943370.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/18

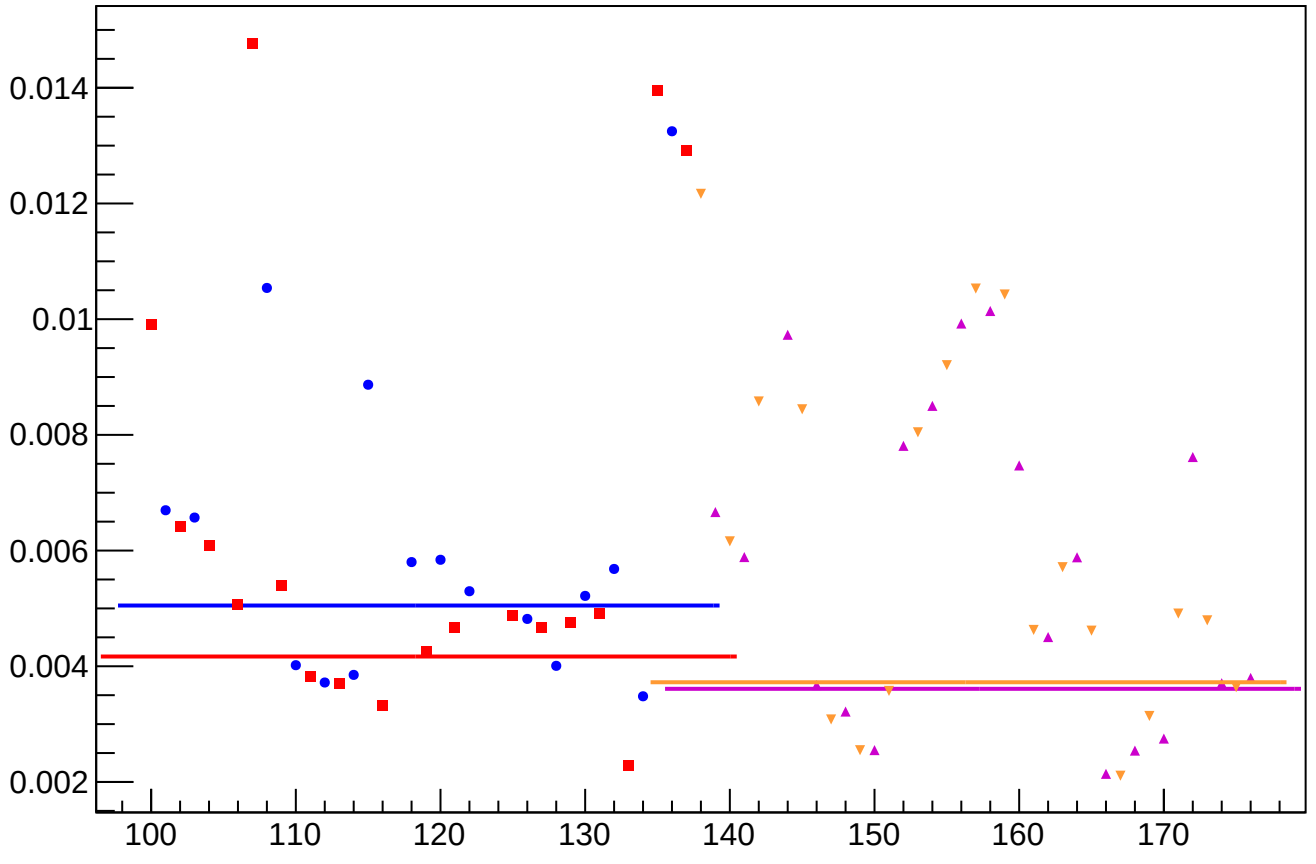
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:7.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 72.3/34

All: -0.000+/-0.000 χ^2/NDF: 105.1/71

- sign -0.000+/-0.000 χ^2/NDF: 31.3/36



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:6092995.1/18

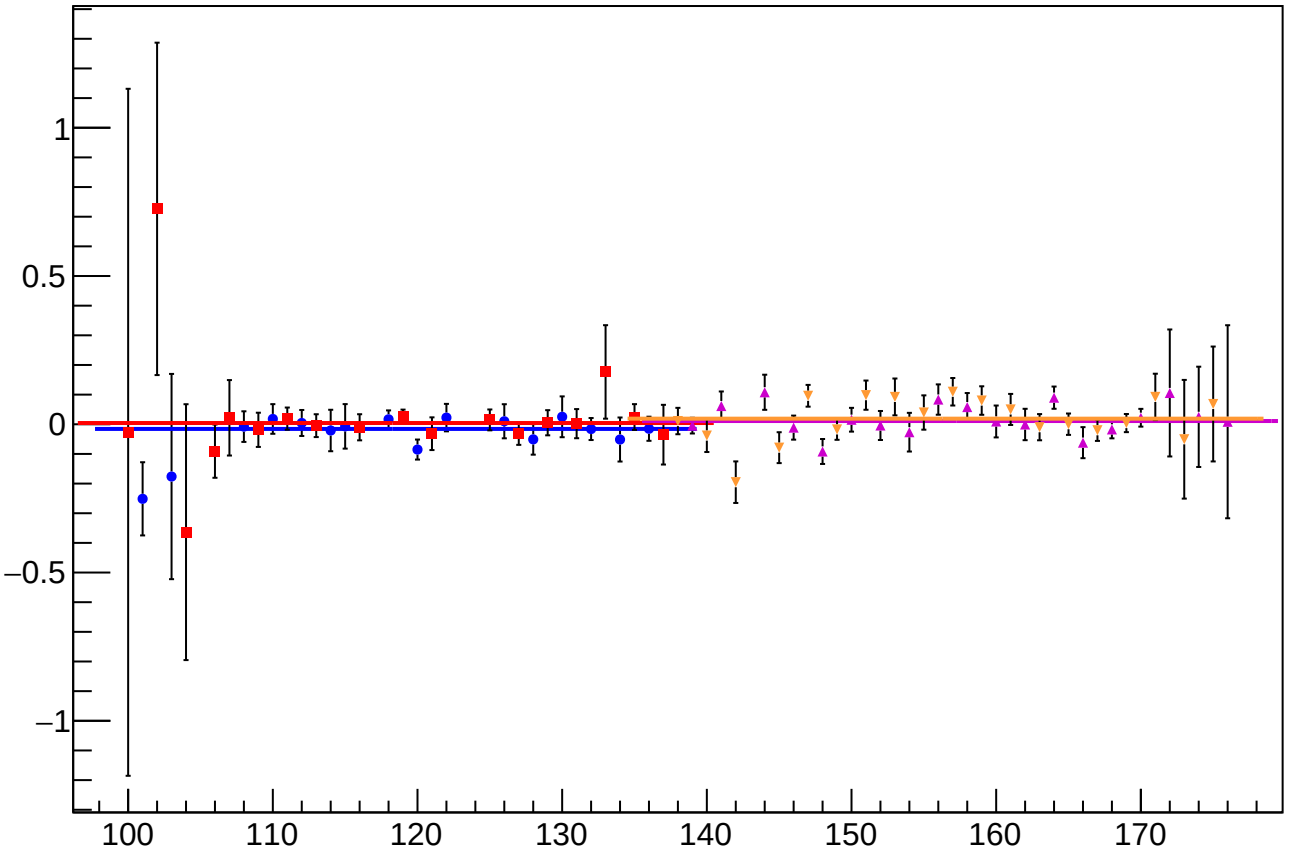
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:6029224.4/18

\+ sign 0.004+/-0.000 χ^2/NDF: 8249792.2/34

All: 0.004+/-0.000 χ^2/NDF: 16554964.9/71

\- sign 0.004+/-0.000 χ^2/NDF: 8227147.3/36



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

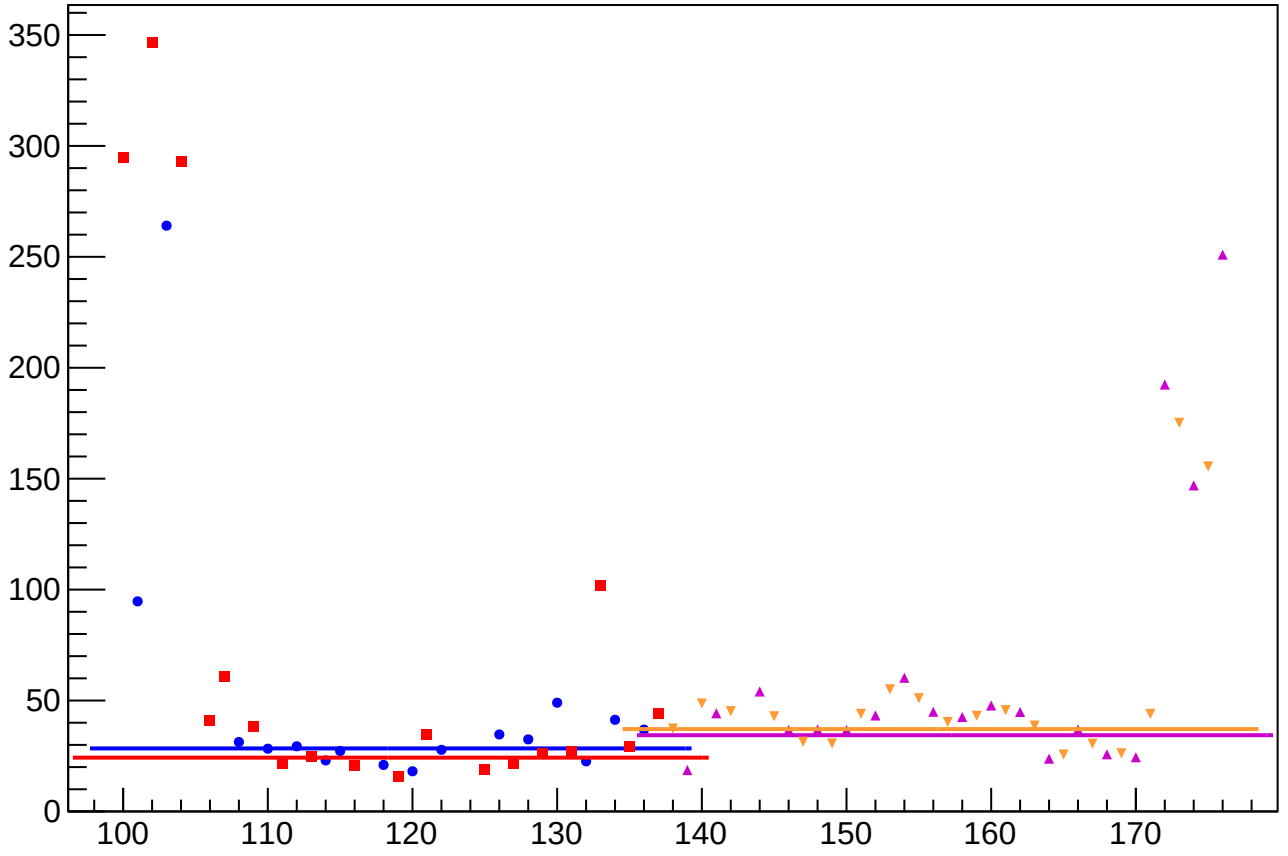
Left In: 0.011+/-0.010 χ^2/NDF:21.4/18

+ sign 0.004+/-0.008 χ^2/NDF: 48.9/34

All: 0.006+/-0.006 χ^2/NDF: 78.5/71

- sign 0.008+/-0.008 χ^2/NDF: 29.5/36

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.128+/-0.008 χ^2/NDF:2907888.9/18

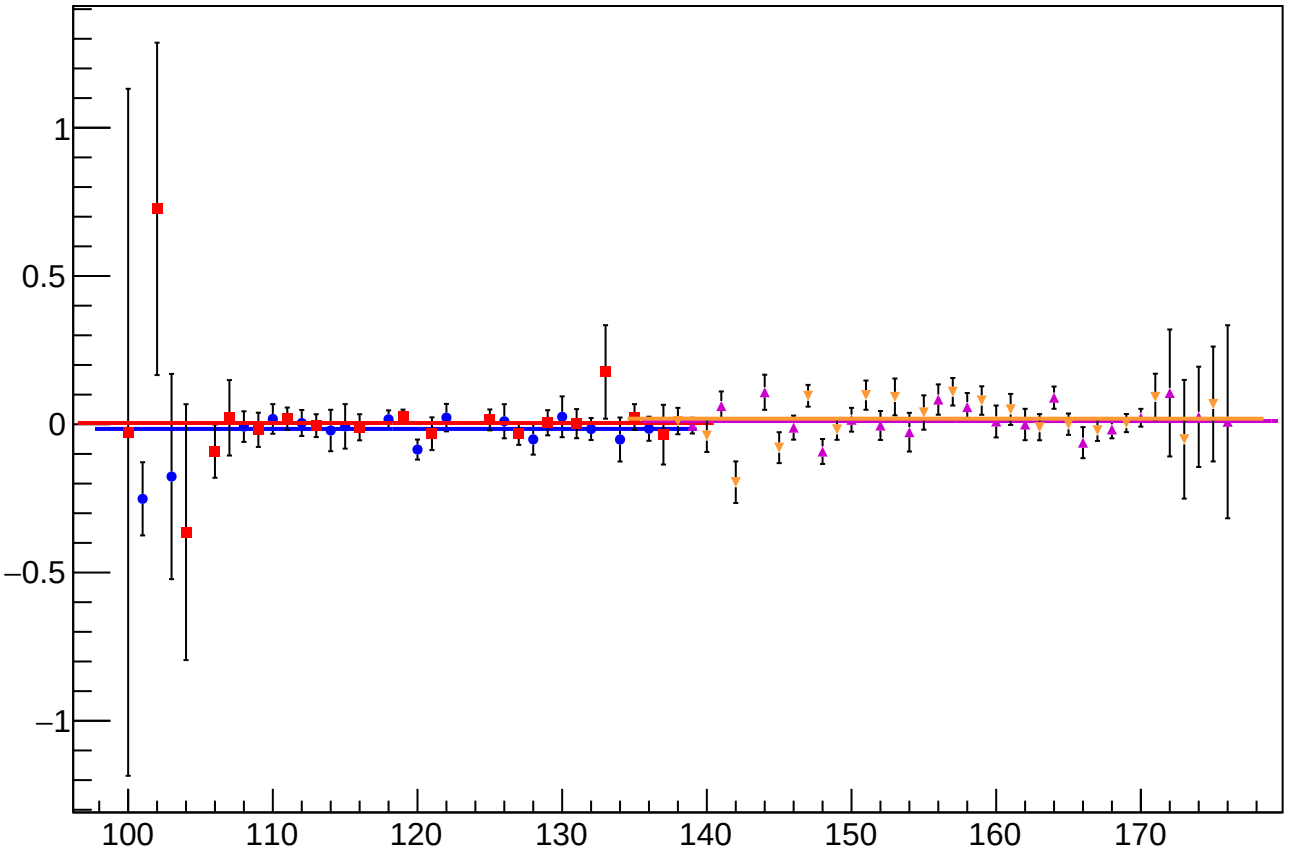
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.368+/-0.007 χ^2/NDF:5165451.2/18

\+ sign 33.323+/-0.006 χ^2/NDF: 5718934.5/34

All: 31.479+/-0.004 χ^2/NDF: 14857093.6/71

\- sign 29.848+/-0.005 χ^2/NDF: 8944283.9/36



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

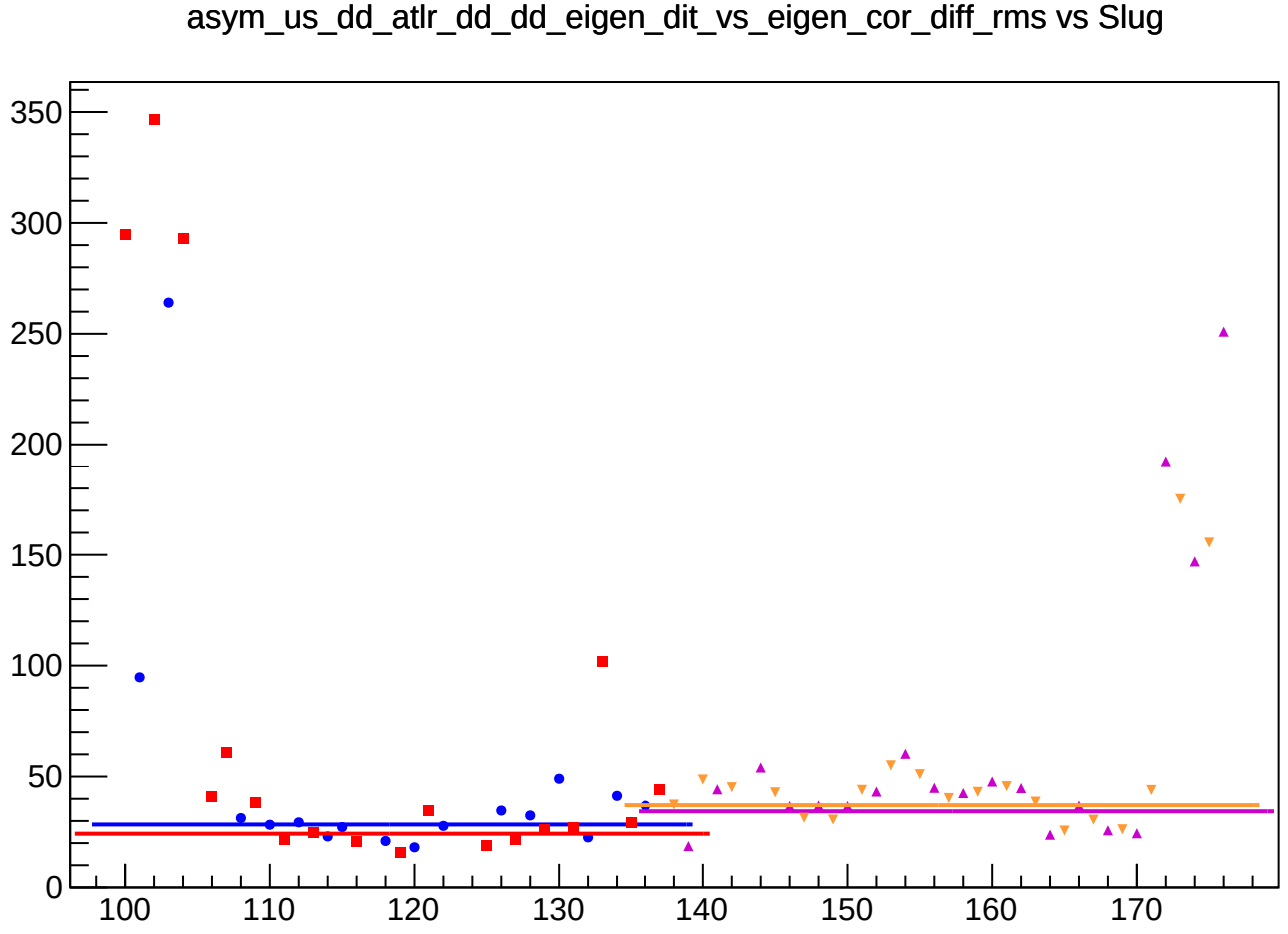
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.4/18

+ sign 0.004+/-0.008 χ^2/NDF: 48.9/34

All: 0.006+/-0.006 χ^2/NDF: 78.5/71

- sign 0.008+/-0.008 χ^2/NDF: 29.5/36



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.128+/-0.008 χ^2/NDF:2907888.9/18

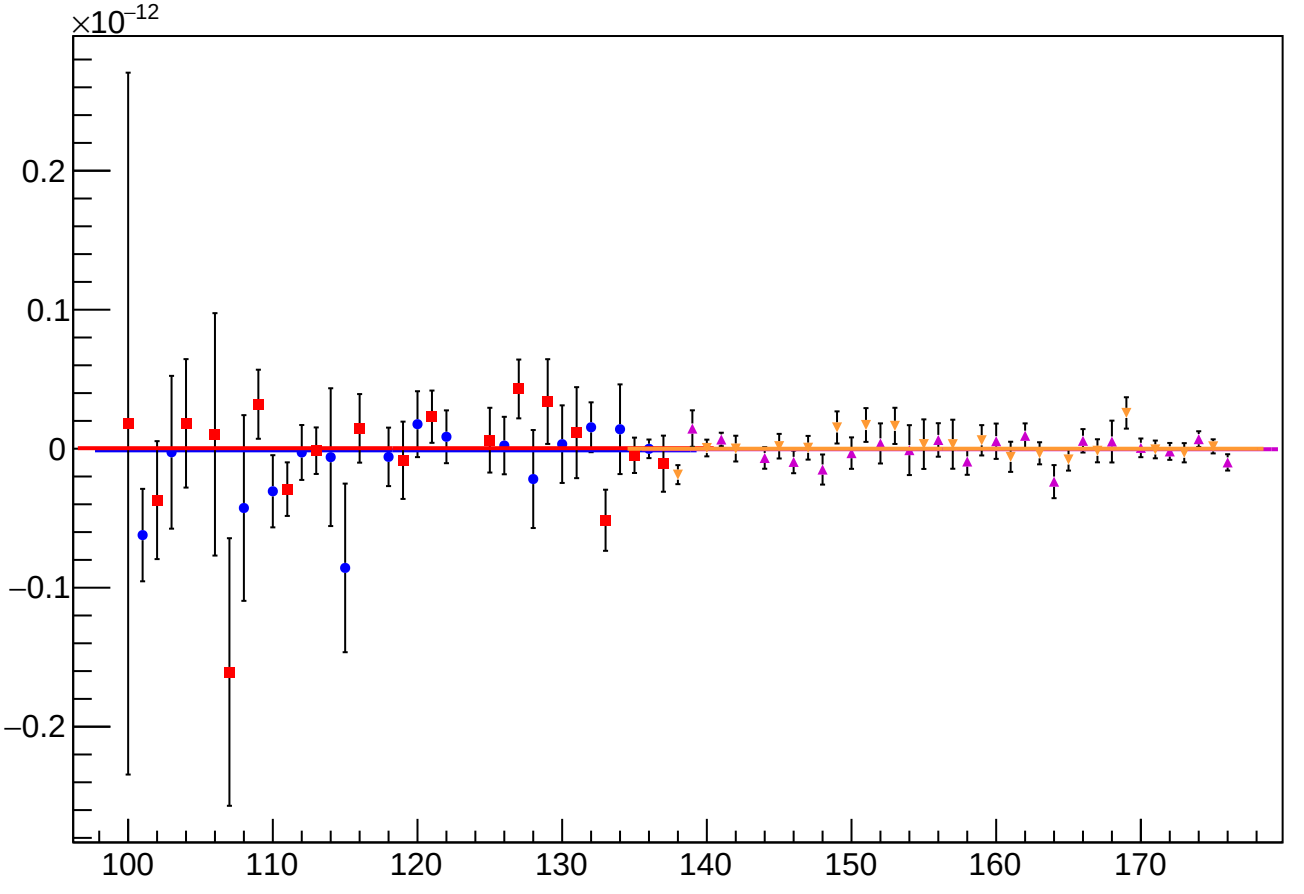
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.368+/-0.007 χ^2/NDF:5165451.2/18

+ sign 33.323+/-0.006 χ^2/NDF: 5718934.5/34

All: 31.479+/-0.004 χ^2/NDF: 14857093.6/71

- sign 29.848+/-0.005 χ^2/NDF: 8944283.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/18

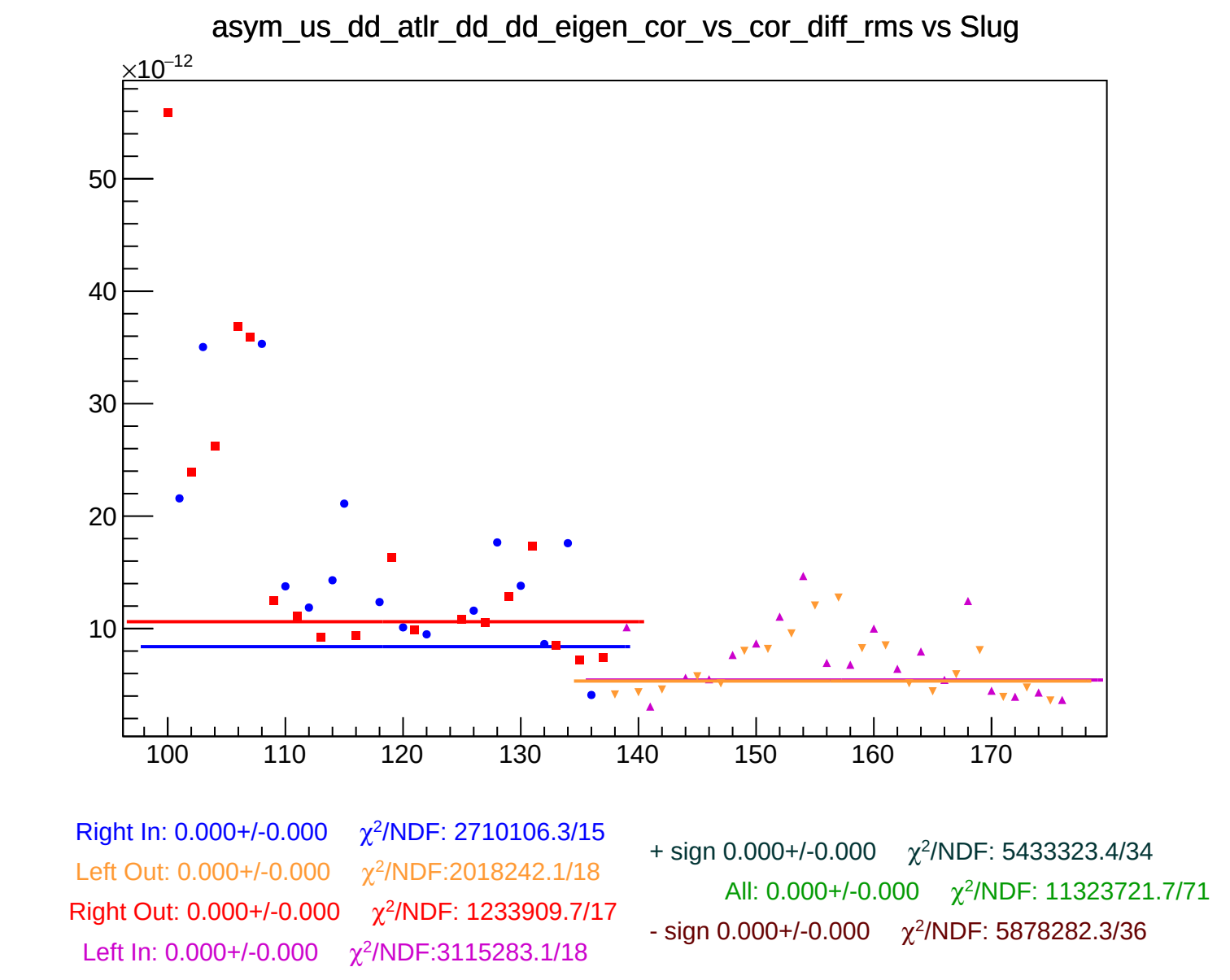
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:18.6/18

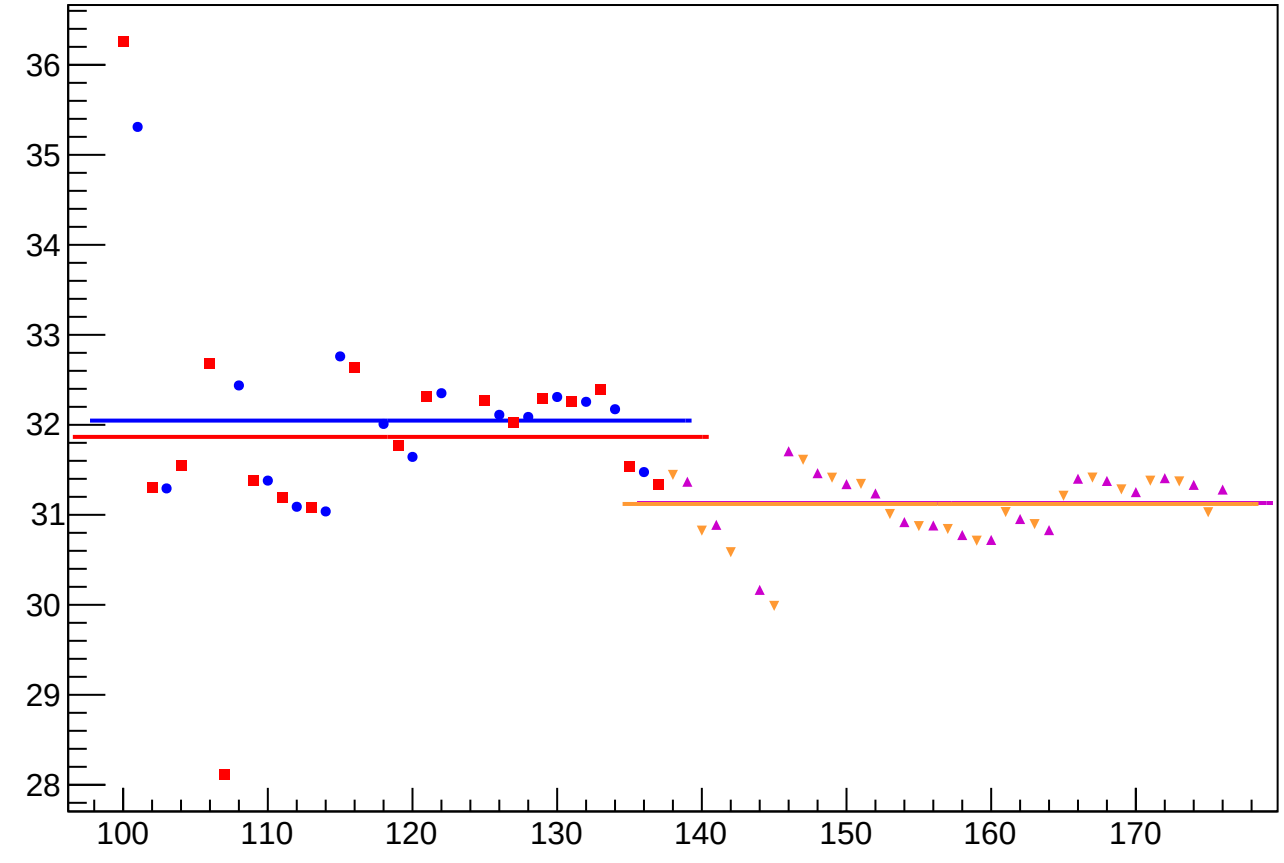
+ sign -0.000+/-0.000 χ^2/NDF: 29.6/34

All: -0.000+/-0.000 χ^2/NDF: 69.3/71

- sign -0.000+/-0.000 χ^2/NDF: 39.7/36


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2018242.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:3115283.1/18
+ sign 0.000+/-0.000 χ²/NDF: 5433323.4/34
All: 0.000+/-0.000 χ²/NDF: 11323721.7/71
- sign 0.000+/-0.000 χ²/NDF: 5878282.3/36

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.121+/-0.000 χ^2/NDF:269298372.9/18

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

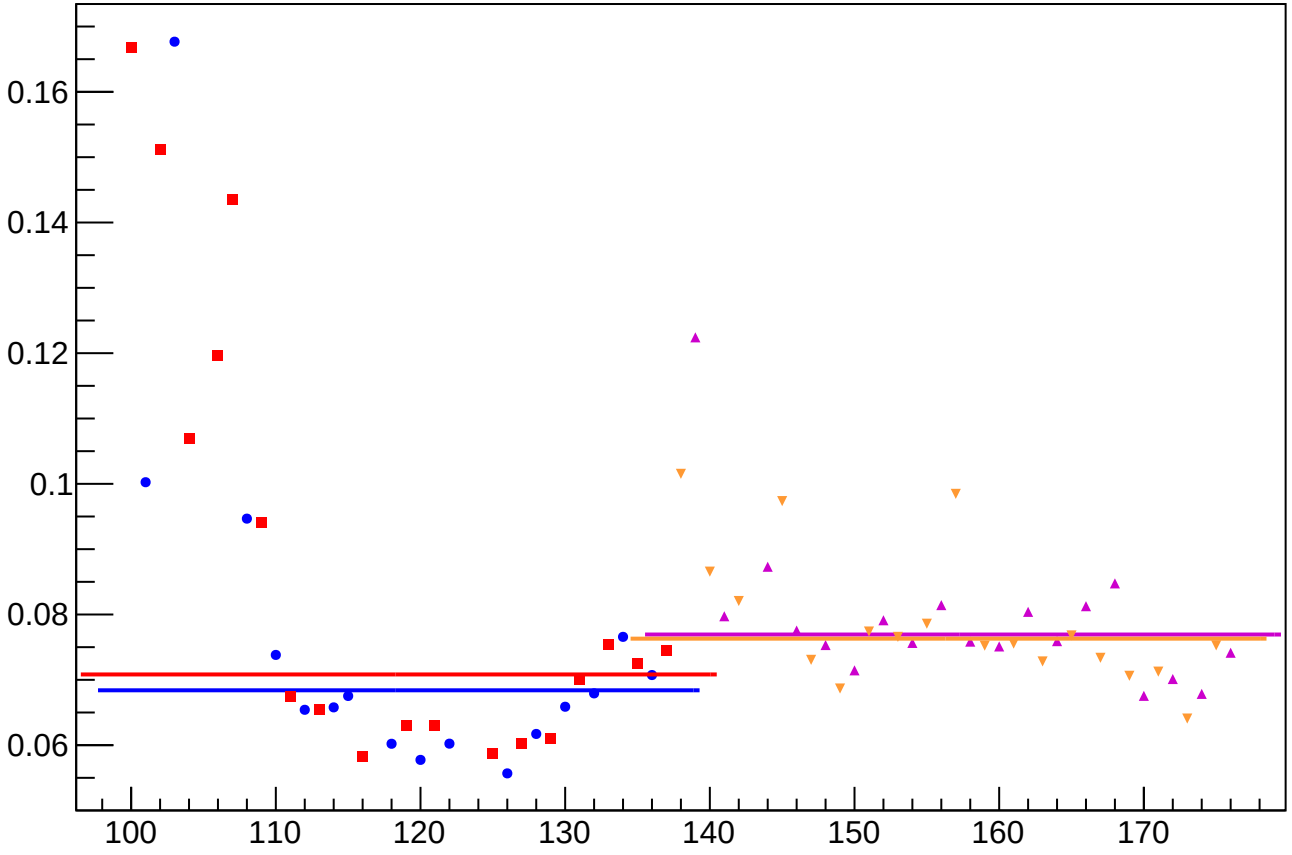
Left In: 31.131+/-0.000 χ^2/NDF:276501591.1/18

+ sign 31.460+/-0.000 χ^2/NDF: 1895726230.4/34

All: 31.422+/-0.000 χ^2/NDF: 3107094784.2/7

- sign 31.385+/-0.000 χ^2/NDF: 1201207115.0/36

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.076+/-0.000 χ^2/NDF:351618.6/18

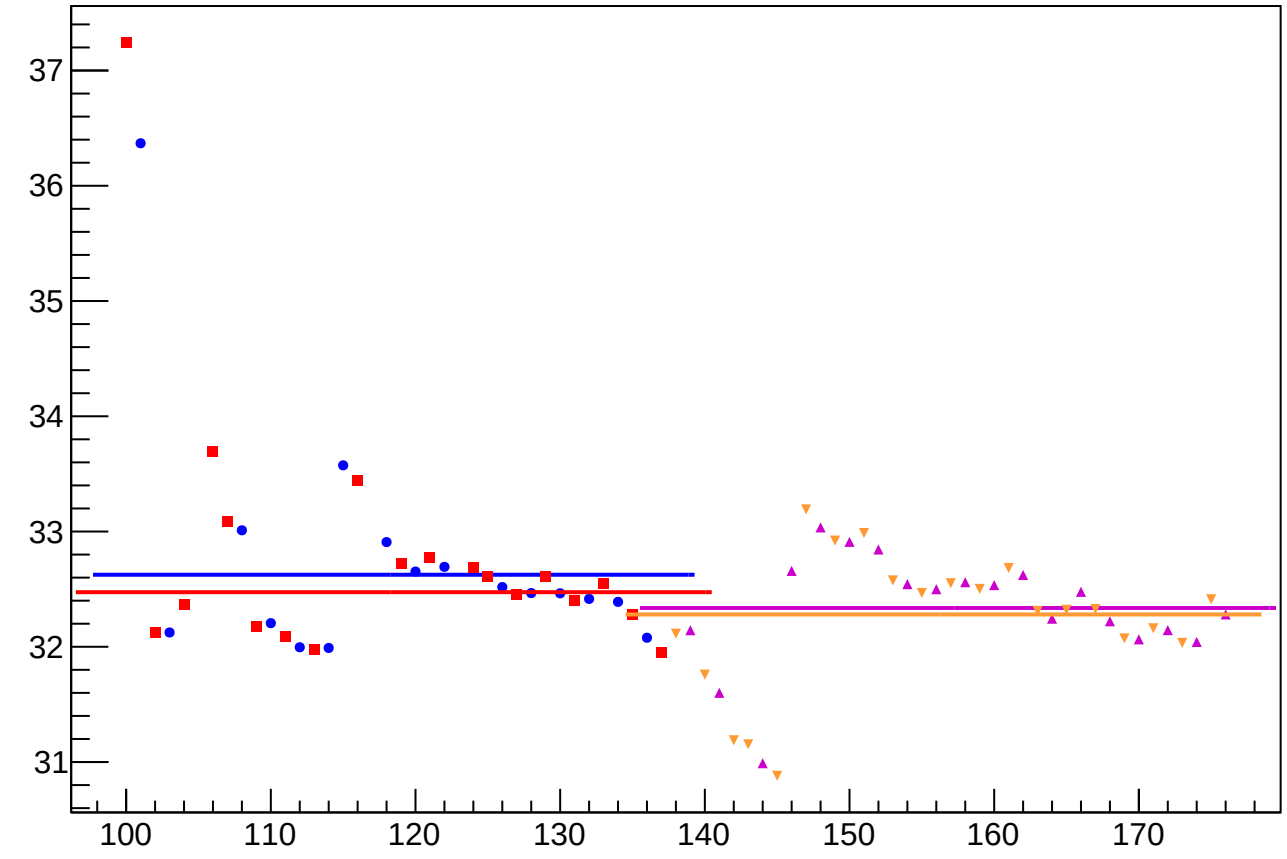
Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.077+/-0.000 χ^2/NDF:353116.8/18

+ sign 0.073+/-0.000 χ^2/NDF: 1160837.3/34

All: 0.074+/-0.000 χ^2/NDF: 2450153.4/71

- sign 0.075+/-0.000 χ^2/NDF: 1282052.6/36



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.280+/-0.000 χ^2/NDF:794871446.8/19

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

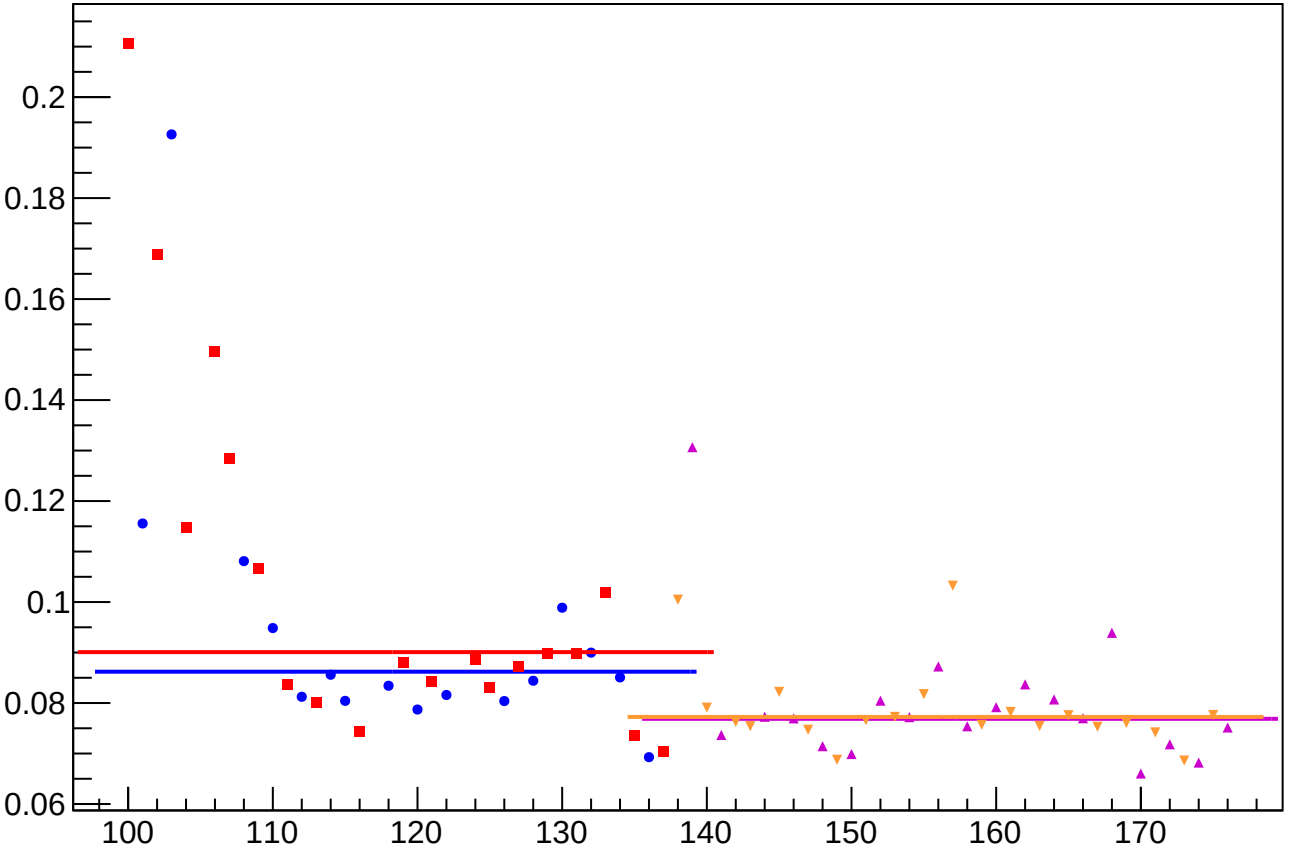
Left In: 32.337+/-0.000 χ^2/NDF:575276865.2/18

+ sign 32.370+/-0.000 χ^2/NDF: 1608332501.5/35

All: 32.370+/-0.000 χ^2/NDF: 2351600136.7/7

- sign 32.371+/-0.000 χ^2/NDF: 743266325.5/37

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:229899.8/19

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

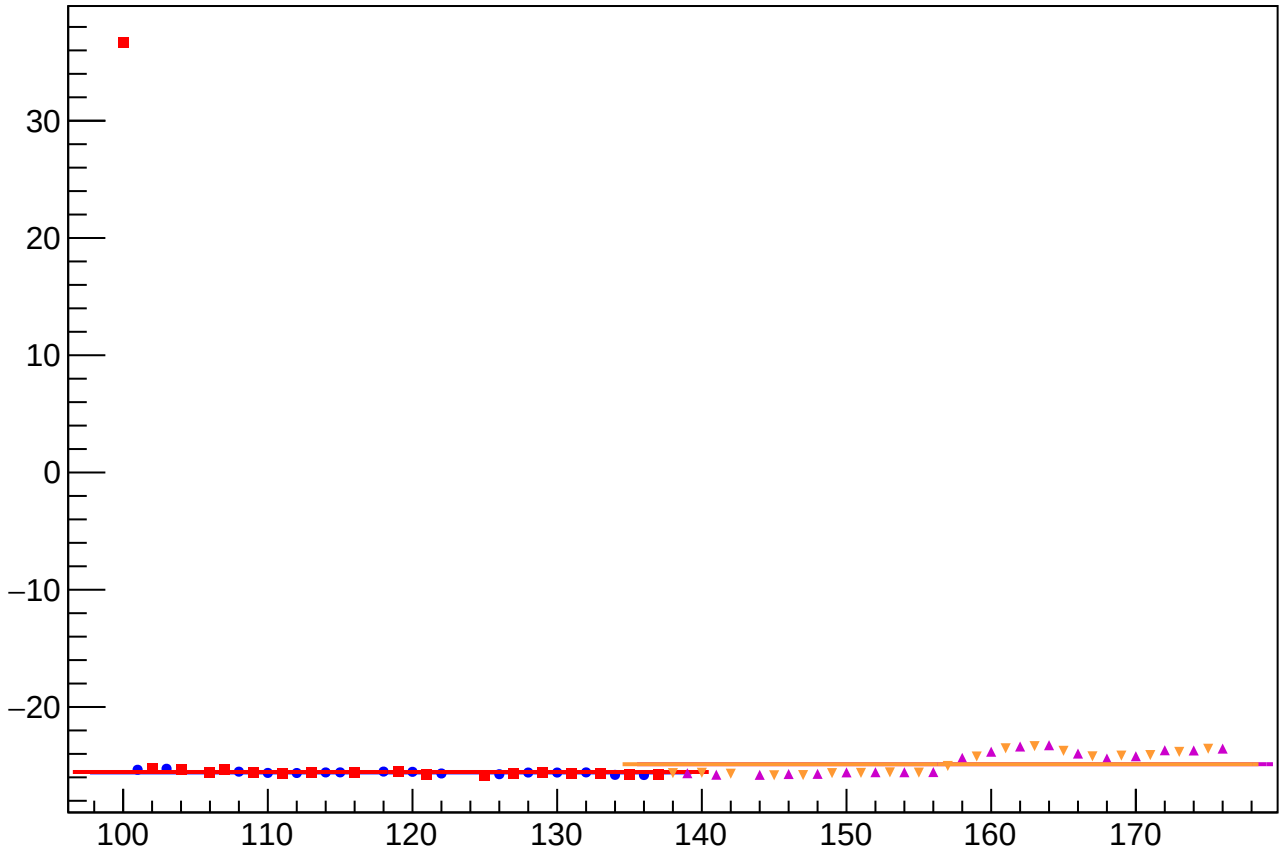
Left In: 0.077+/-0.000 χ^2/NDF:472767.8/18

+ sign 0.080+/-0.000 χ^2/NDF: 928978.8/35

All: 0.080+/-0.000 χ^2/NDF: 2232969.4/73

- sign 0.080+/-0.000 χ^2/NDF: 1302892.6/37

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.881+/-0.000 χ^2/NDF:5809105427.8/18

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

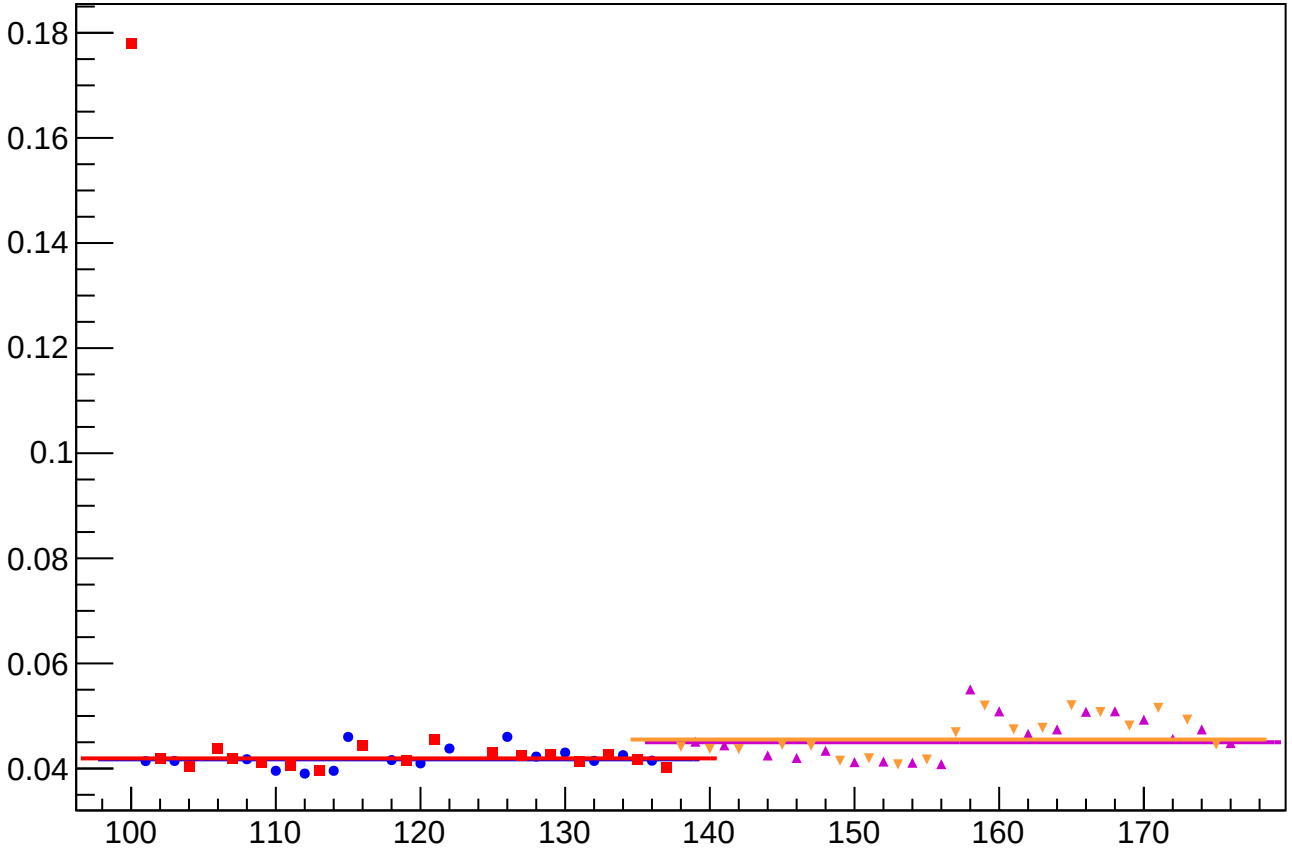
Left In: -24.879+/-0.000 χ^2/NDF:6539151753.7/18

+ sign -25.138+/-0.000 χ^2/NDF: 7172145631.4/34

All: -25.127+/-0.000 χ^2/NDF: 23795230738.8

- sign -25.115+/-0.000 χ^2/NDF: 16620103063.0/36

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.046+/-0.000 χ^2/NDF:174875.3/18

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

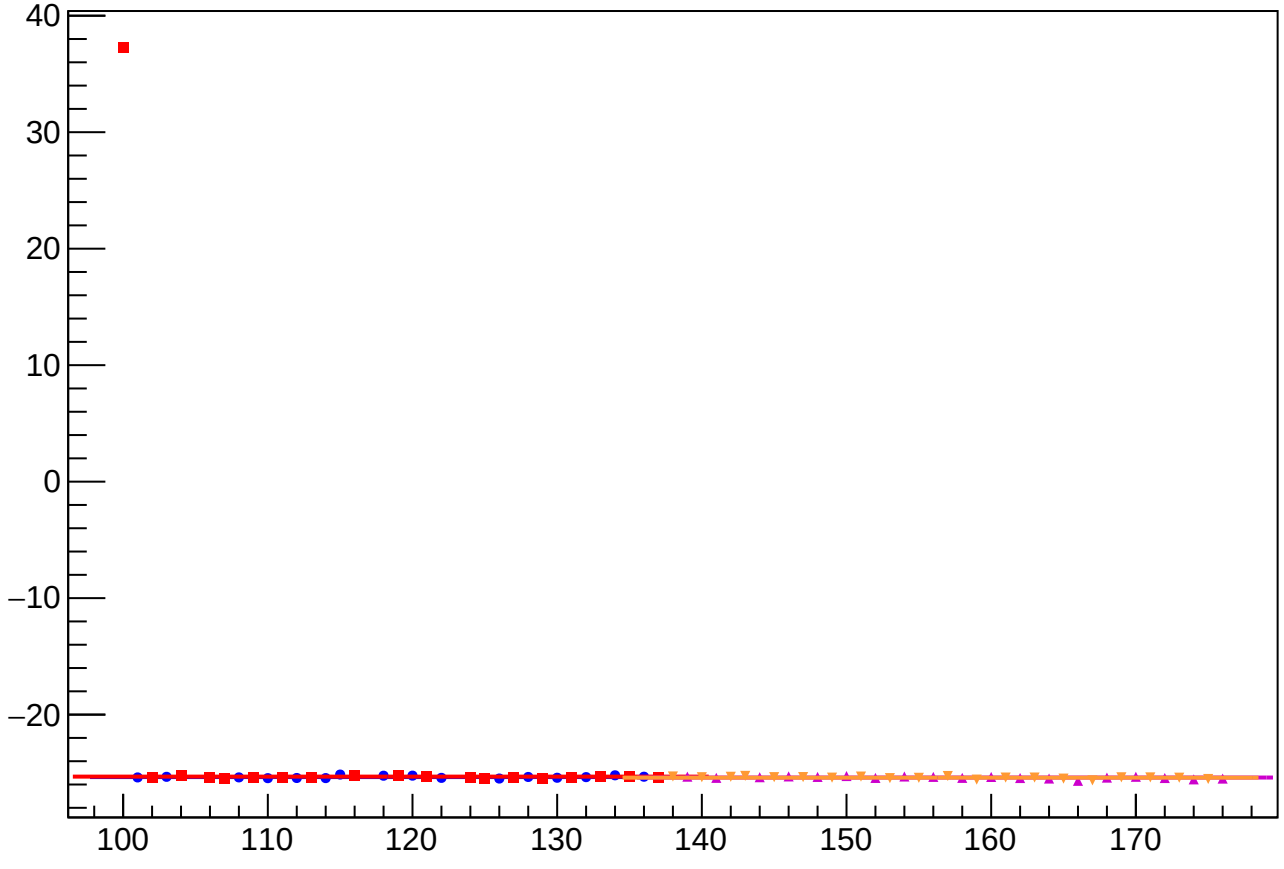
Left In: 0.045+/-0.000 χ^2/NDF:215971.6/18

+ sign 0.044+/-0.000 χ^2/NDF: 269467.4/34

All: 0.044+/-0.000 χ^2/NDF: 636250.2/71

- sign 0.044+/-0.000 χ^2/NDF: 366223.4/36

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.411+/-0.000 χ^2/NDF:46097104.8/19

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

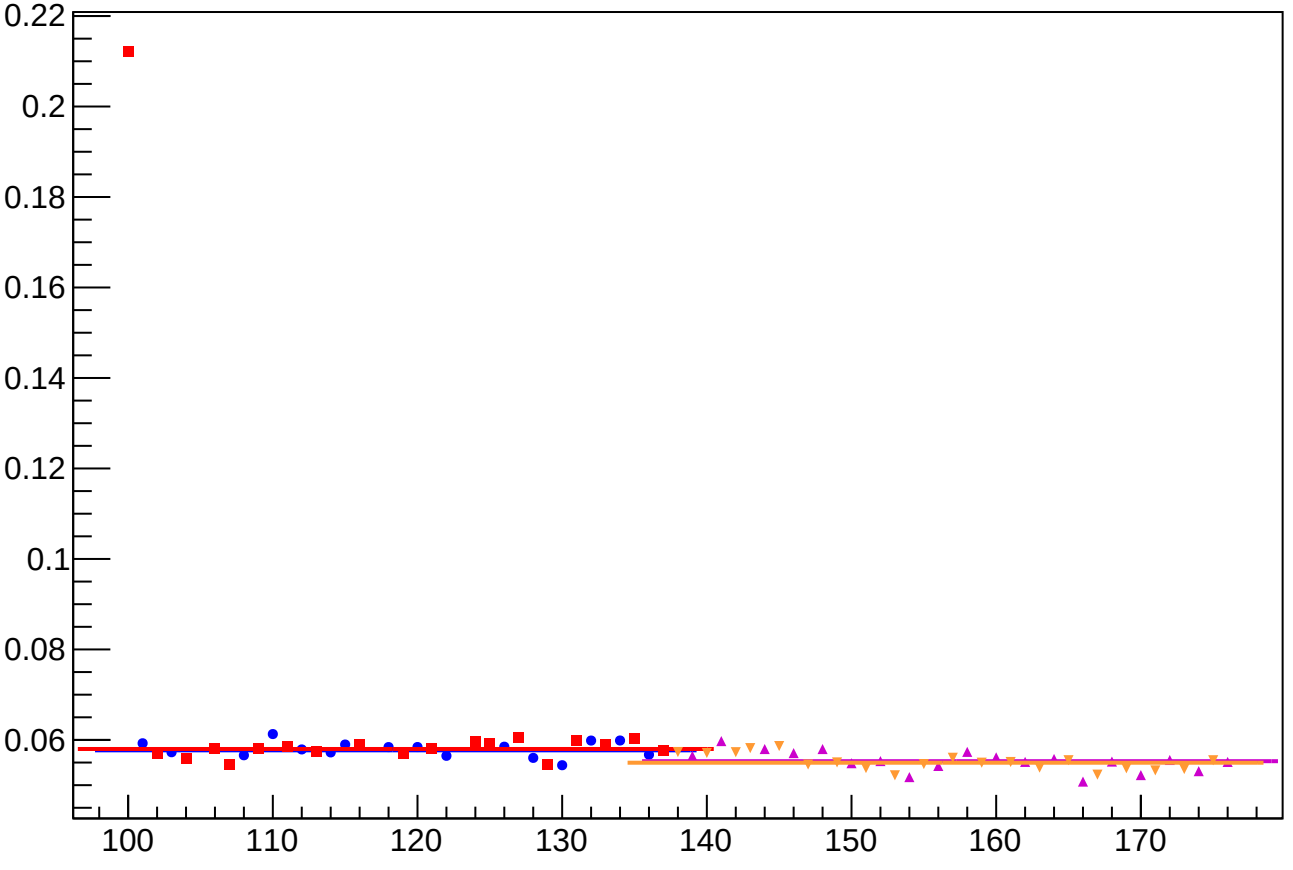
Left In: -25.402+/-0.000 χ^2/NDF:43491988.4/18

+ sign -25.396+/-0.000 χ^2/NDF: 63156289.4/35

All: -25.387+/-0.000 χ^2/NDF: 6432249506.8/

- sign -25.377+/-0.000 χ^2/NDF: 6367888227.6/37

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:31667.8/19

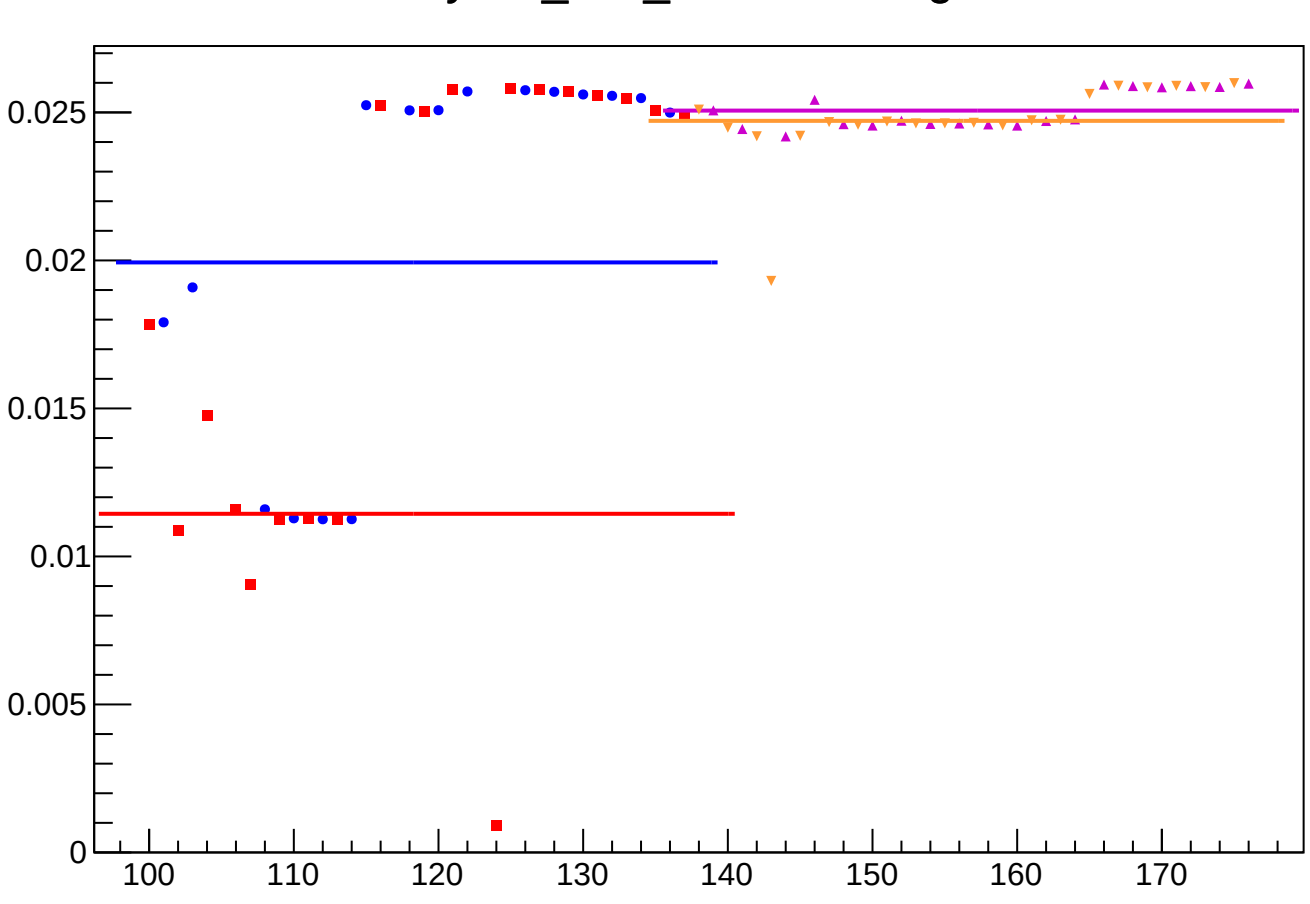
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:47262.5/18

+ sign 0.056+/-0.000 χ^2/NDF: 65672.0/35

All: 0.056+/-0.000 χ^2/NDF: 224240.5/73

- sign 0.056+/-0.000 χ^2/NDF: 157661.7/37



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:6618499545.4/19

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

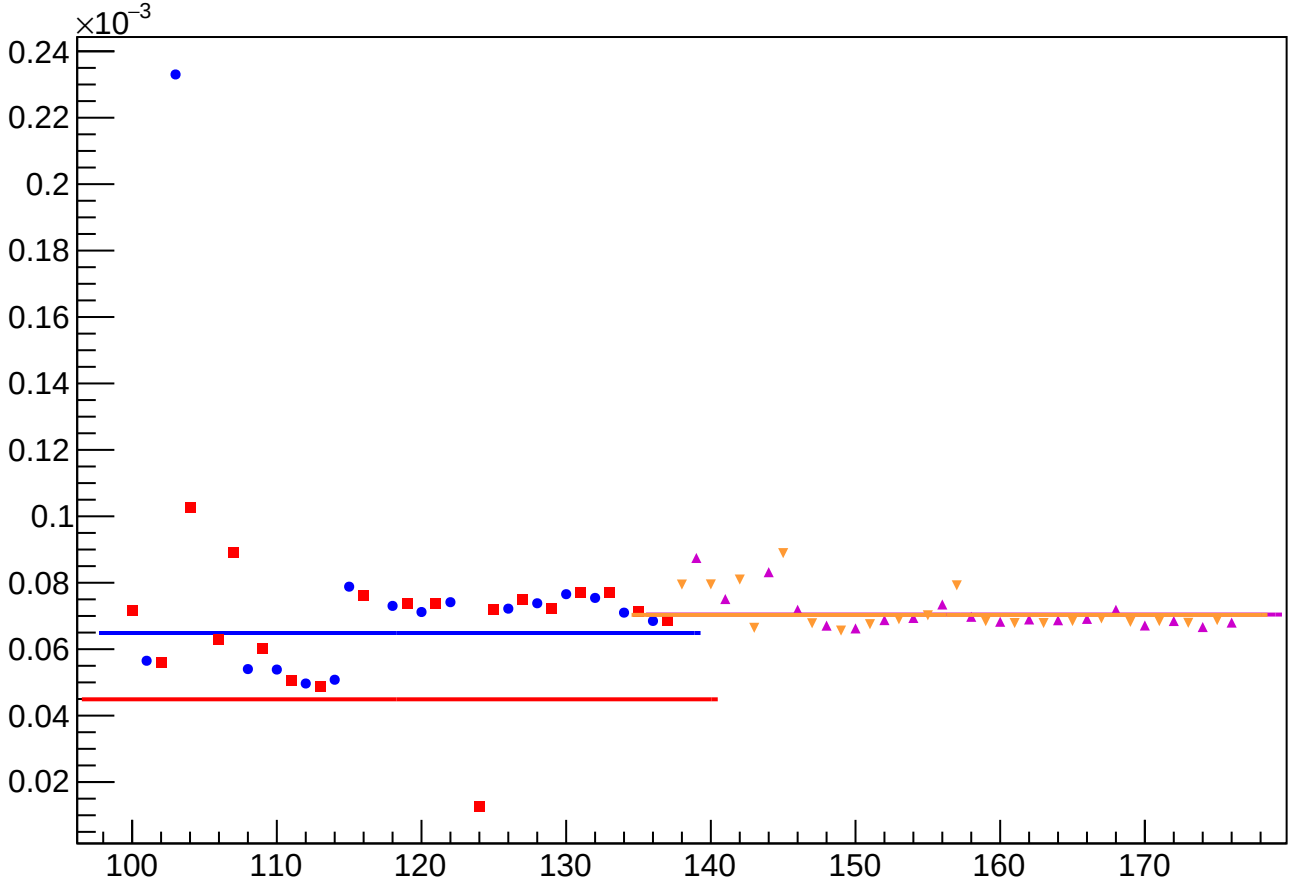
Left In: 0.025+/-0.000 χ^2/NDF:1140882679.1/18

+ sign 0.023+/-0.000 χ^2/NDF: 92854558153.9/35

All: 0.021+/-0.000 χ^2/NDF: 649693838003.2

- sign 0.019+/-0.000 χ^2/NDF: 511661605994.0/37

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:175349.1/19

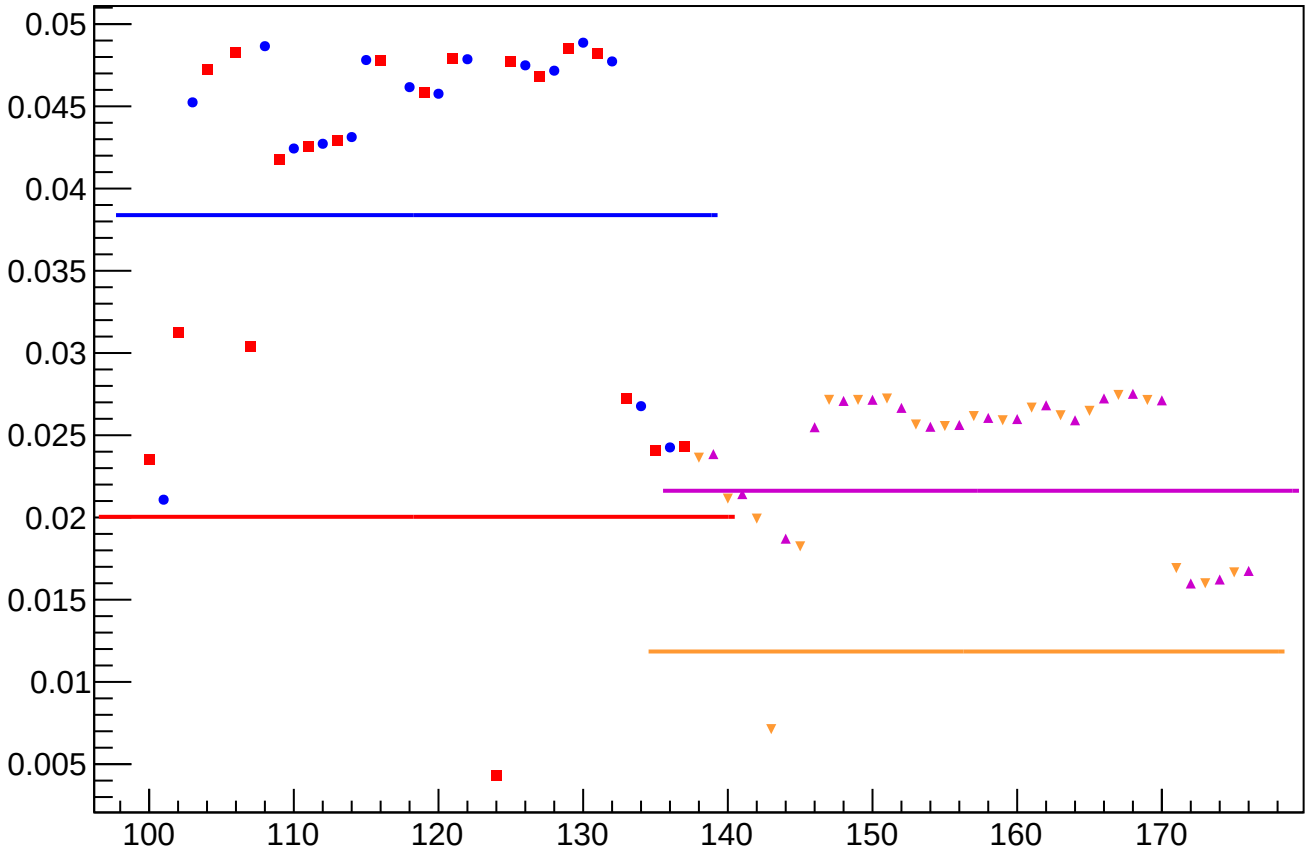
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:141071.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 1054088.1/35

All: 0.000+/-0.000 χ^2/NDF: 7237046.6/73

- sign 0.000+/-0.000 χ^2/NDF: 5712648.6/37



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:34496443753.4/19

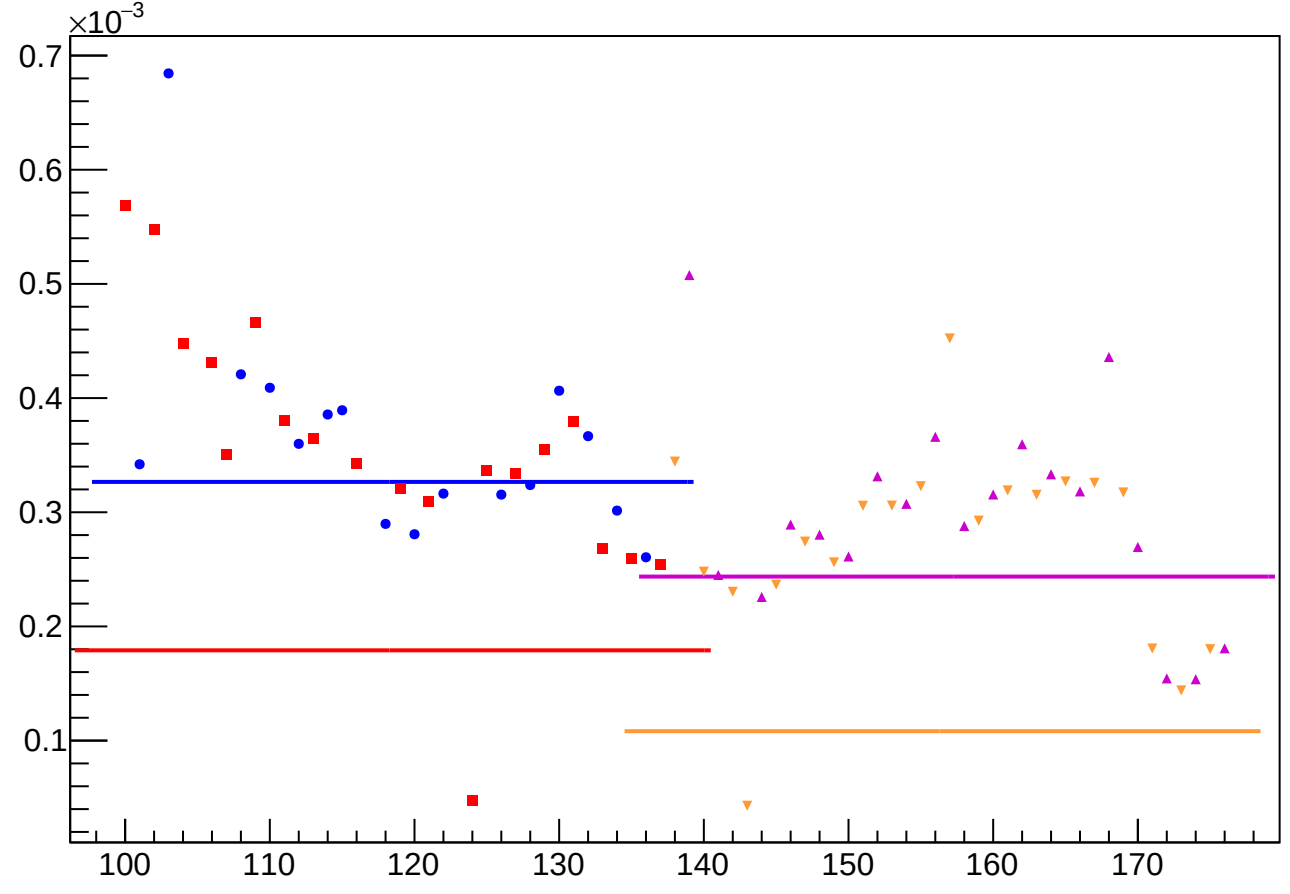
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.022+/-0.000 χ^2/NDF:4985916391.0/18

+ sign 0.014+/-0.000 χ^2/NDF: 79762082792.0/35

All: 0.016+/-0.000 χ^2/NDF: 138240616604.2

- sign 0.021+/-0.000 χ^2/NDF: 47366538530.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13551643.4/19

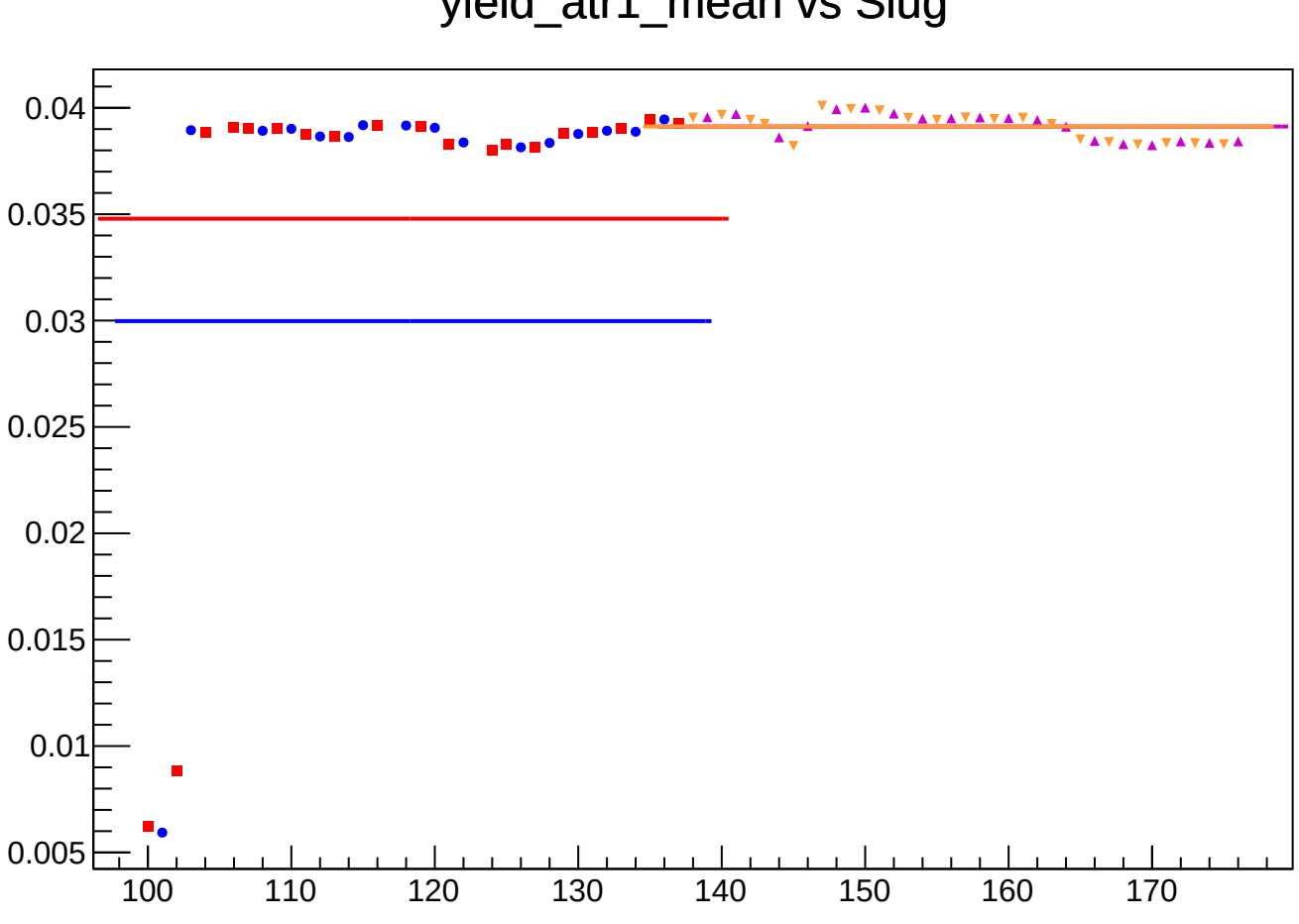
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2788286.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 19304925.4/35

All: 0.000+/-0.000 χ^2/NDF: 32421555.1/73

- sign 0.000+/-0.000 χ^2/NDF: 9099824.6/37



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:371920294.2/19

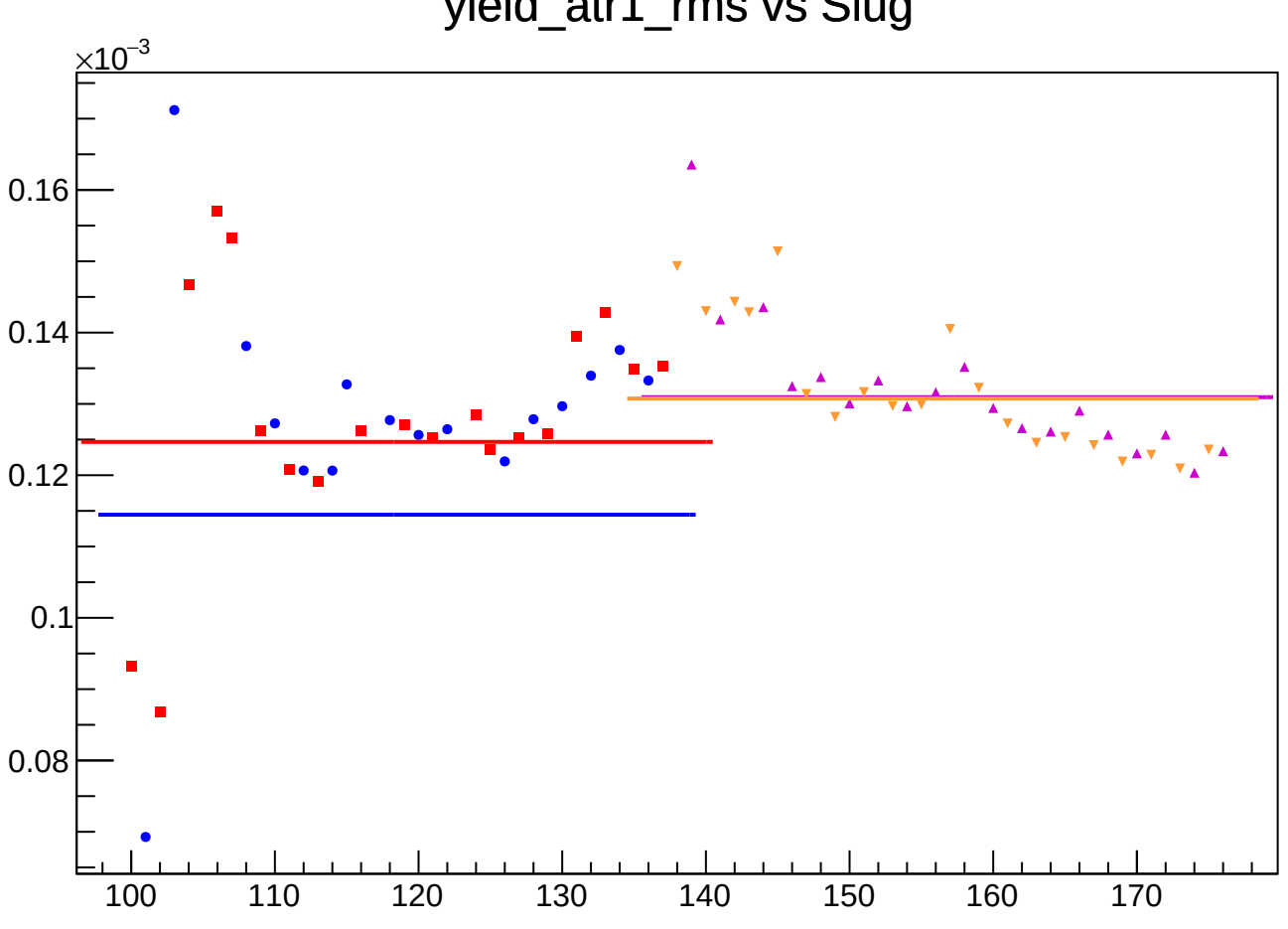
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:327219282.3/18

+ sign 0.036+/-0.000 χ^2/NDF: 135814568937.9/35

All: 0.037+/-0.000 χ^2/NDF: 191273477867.9

- sign 0.038+/-0.000 χ^2/NDF: 53152908698.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:133739.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

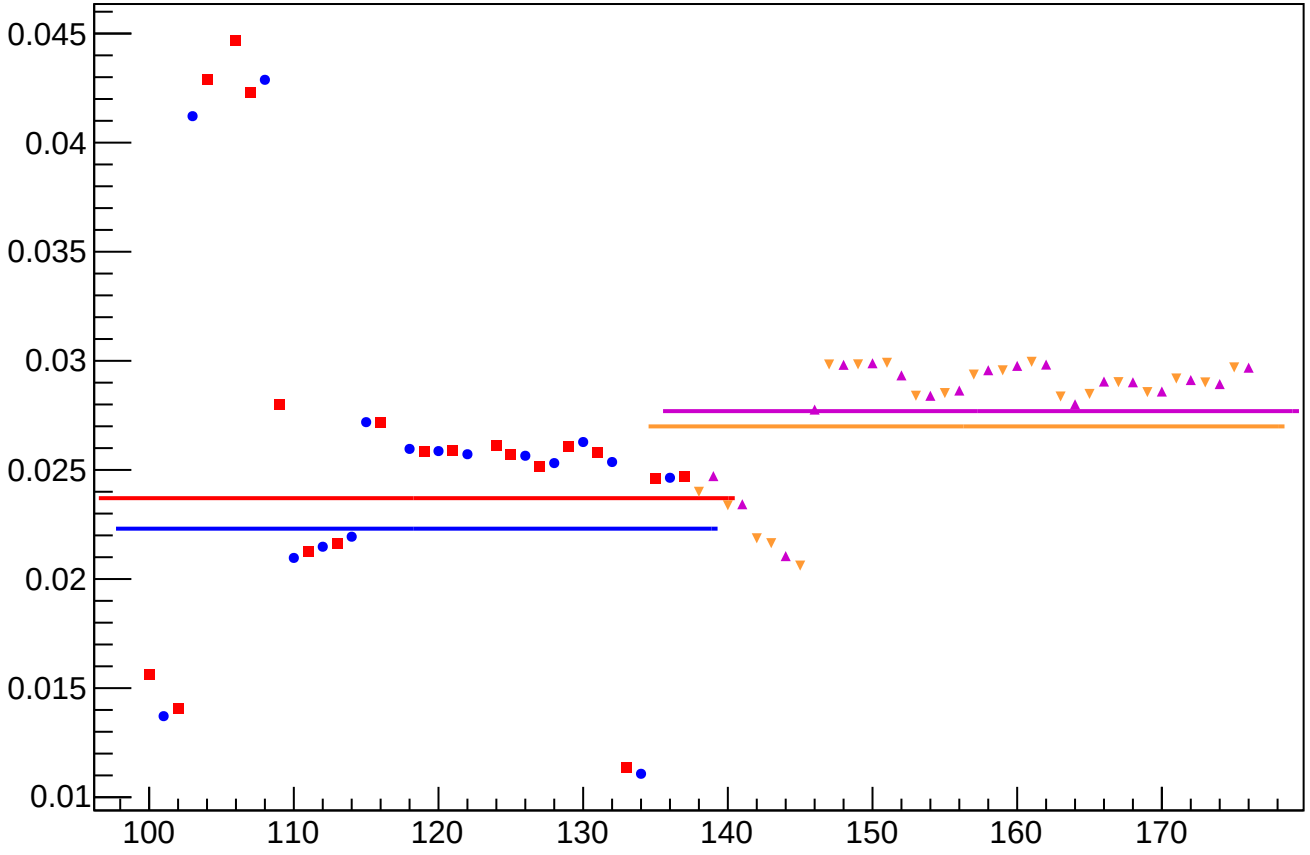
Left In: 0.000+/-0.000 χ^2/NDF:126660.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 1159274.2/35

All: 0.000+/-0.000 χ^2/NDF: 1590978.5/73

- sign 0.000+/-0.000 χ^2/NDF: 410355.0/37

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:2028580294.6/19

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

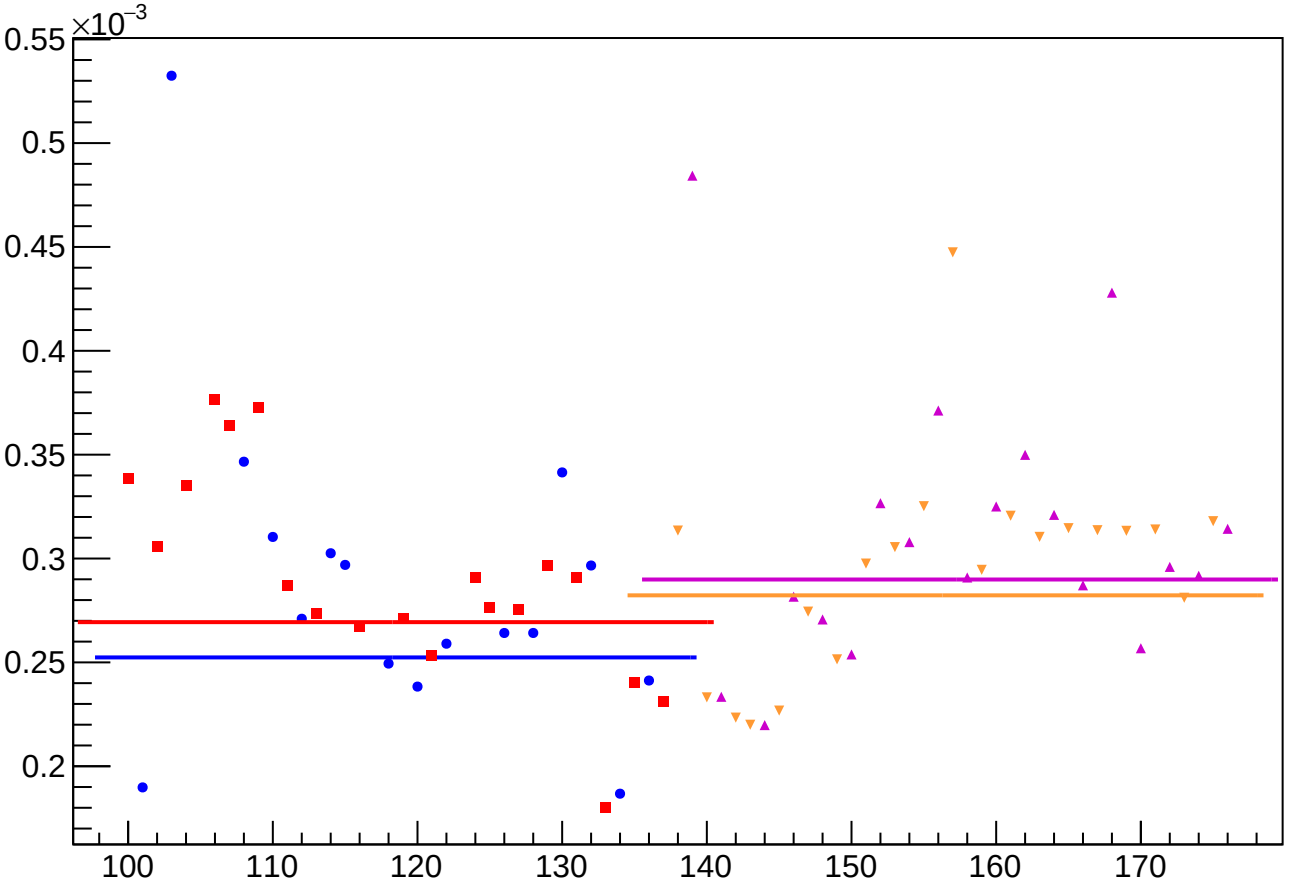
Left In: 0.028+/-0.000 χ^2/NDF:1358111147.8/18

+ sign 0.025+/-0.000 χ^2/NDF: 8421841699.8/35

All: 0.026+/-0.000 χ^2/NDF: 16411166105.7/7

- sign 0.026+/-0.000 χ^2/NDF: 7861324237.6/37

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:676624.1/19

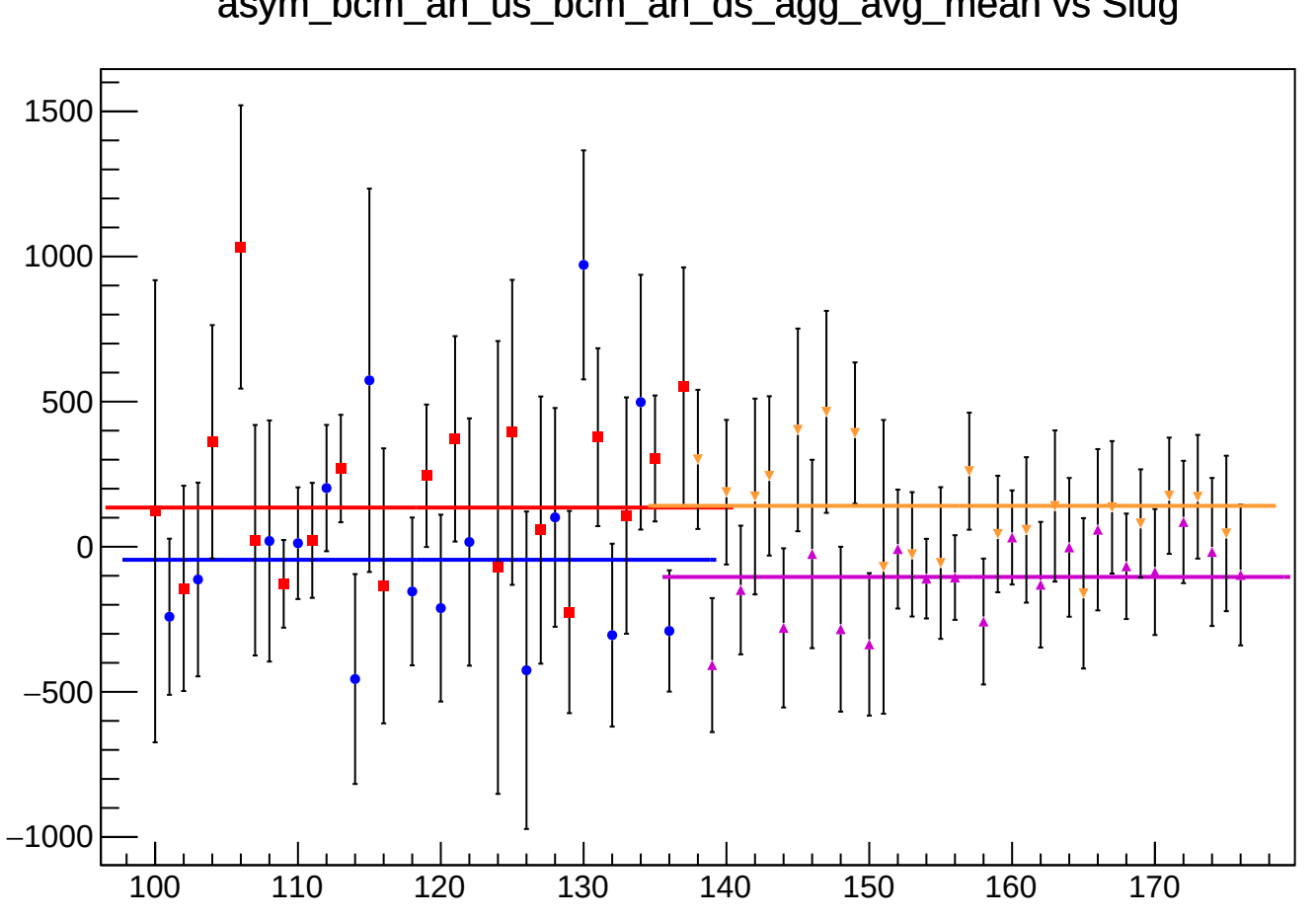
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:930472.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 1496791.3/35

All: 0.000+/-0.000 χ^2/NDF: 2955257.4/73

- sign 0.000+/-0.000 χ^2/NDF: 1425618.4/37



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 140.959+/-54.786 χ^2/NDF:6.8/19

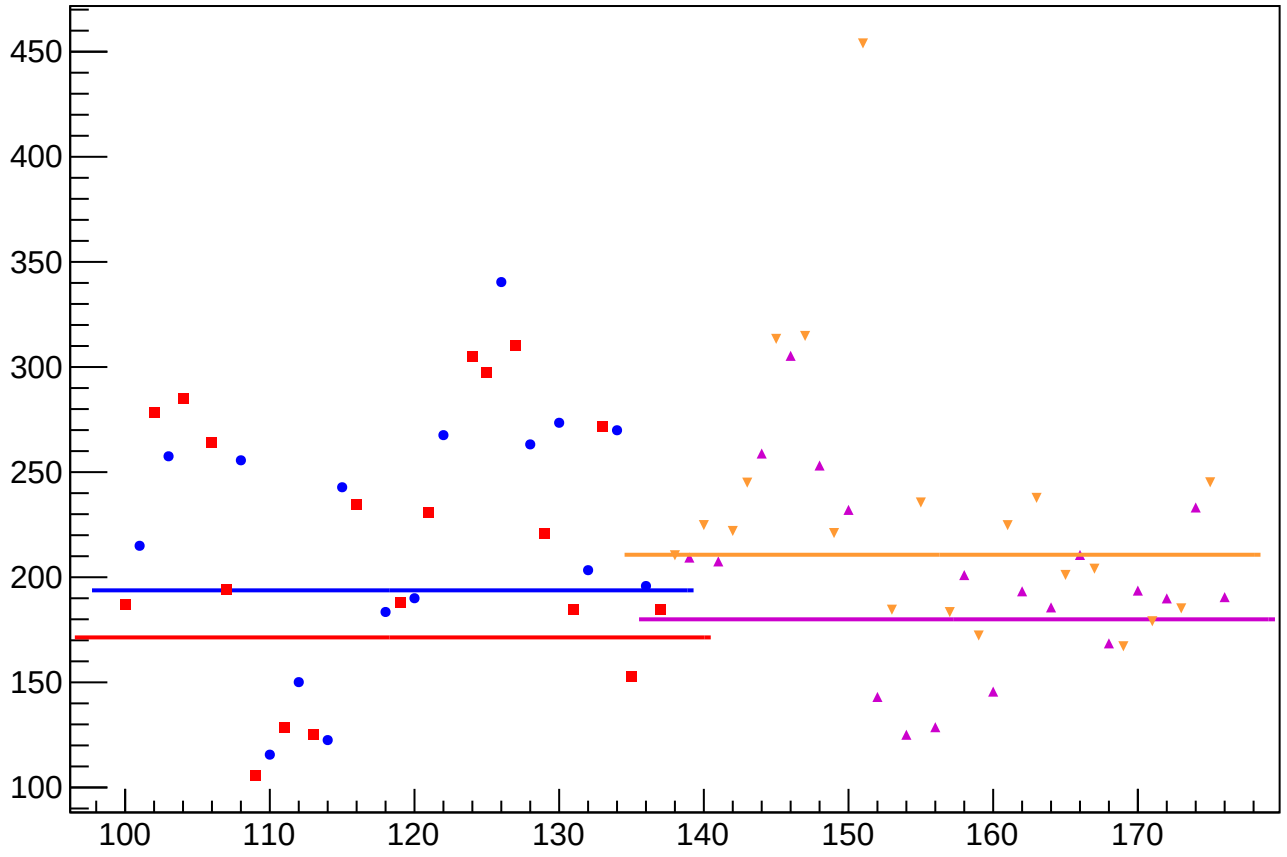
Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: -104.047+/-48.092 χ^2/NDF:6.5/18

+ sign 77.616+/-44.482 χ^2/NDF: 26.2/35

All: 20.267+/-29.442 χ^2/NDF: 56.8/73

- sign -24.444+/-39.276 χ^2/NDF: 27.6/37



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 210.704+/-0.039 χ^2/NDF:1268208.0/19

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

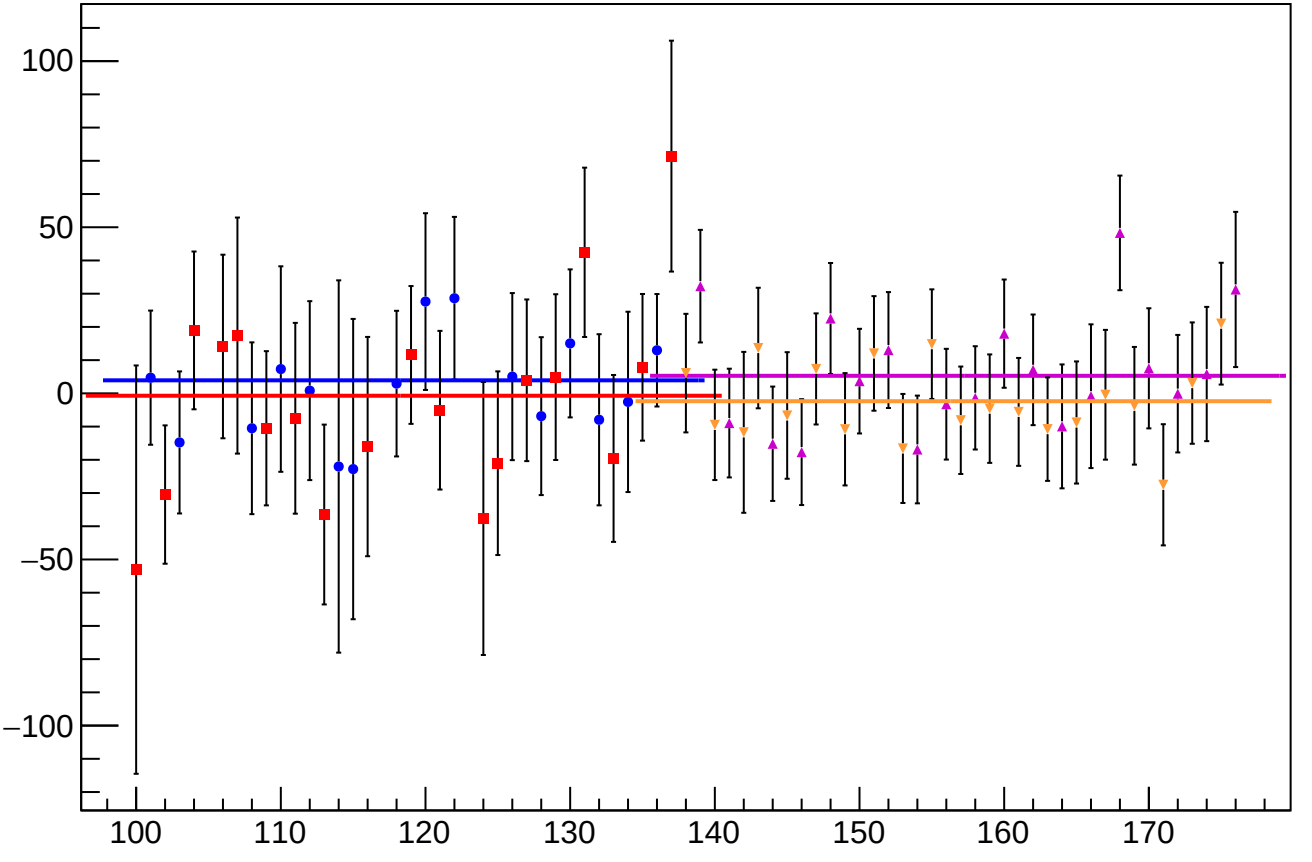
Left In: 179.984+/-0.034 χ^2/NDF:1635498.2/18

+ sign 204.932+/-0.031 χ^2/NDF: 2381437.0/35

All: 189.304+/-0.021 χ^2/NDF: 6135684.6/73

- sign 177.120+/-0.028 χ^2/NDF: 3314887.5/37

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.360+/-3.912 χ^2/NDF:8.7/19

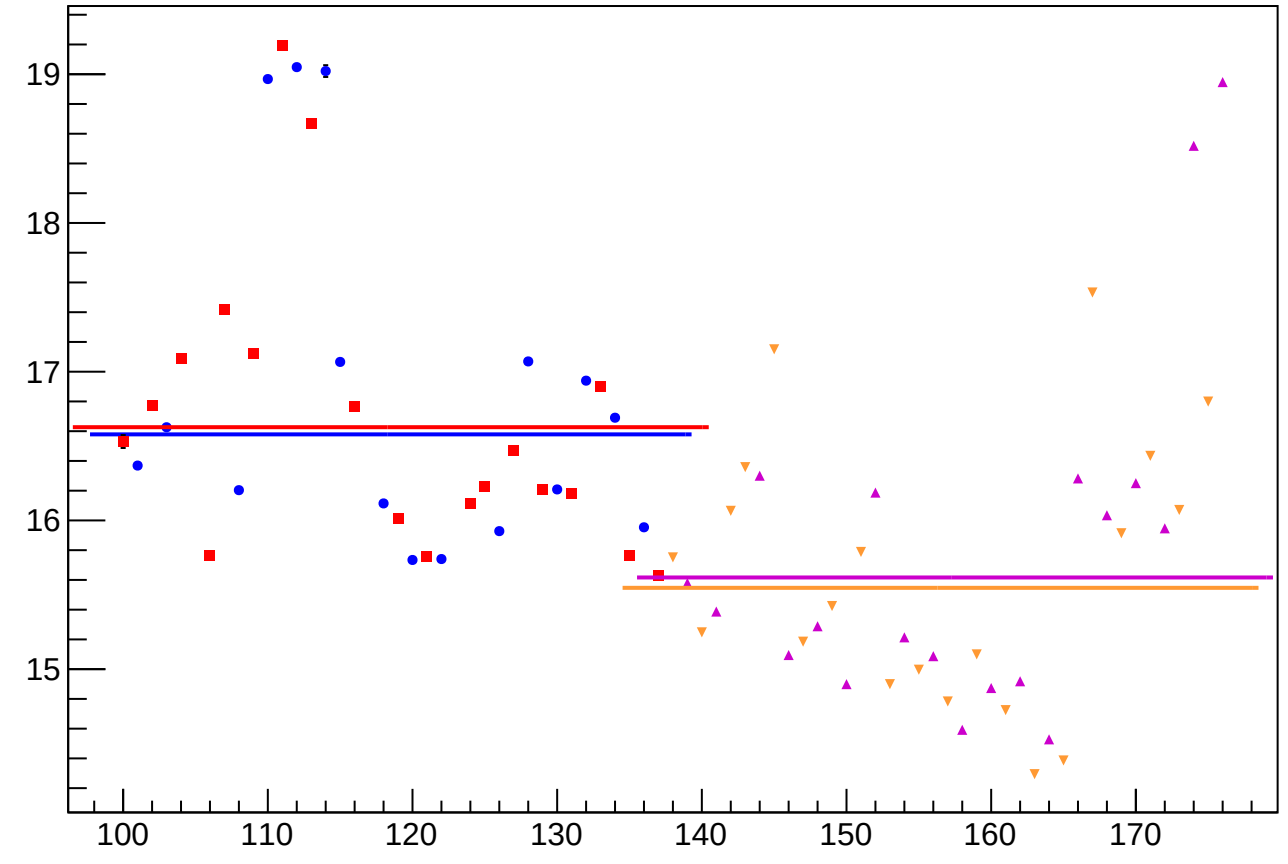
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 5.286+/-3.976 χ^2/NDF:19.3/18

\+ sign -0.559+/-3.304 χ^2/NDF: 14.0/35

All: 1.450+/-2.344 χ^2/NDF: 50.6/73

\- sign 3.488+/-3.327 χ^2/NDF: 35.9/37



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.547+/-0.003 χ^2/NDF:96044.2/19

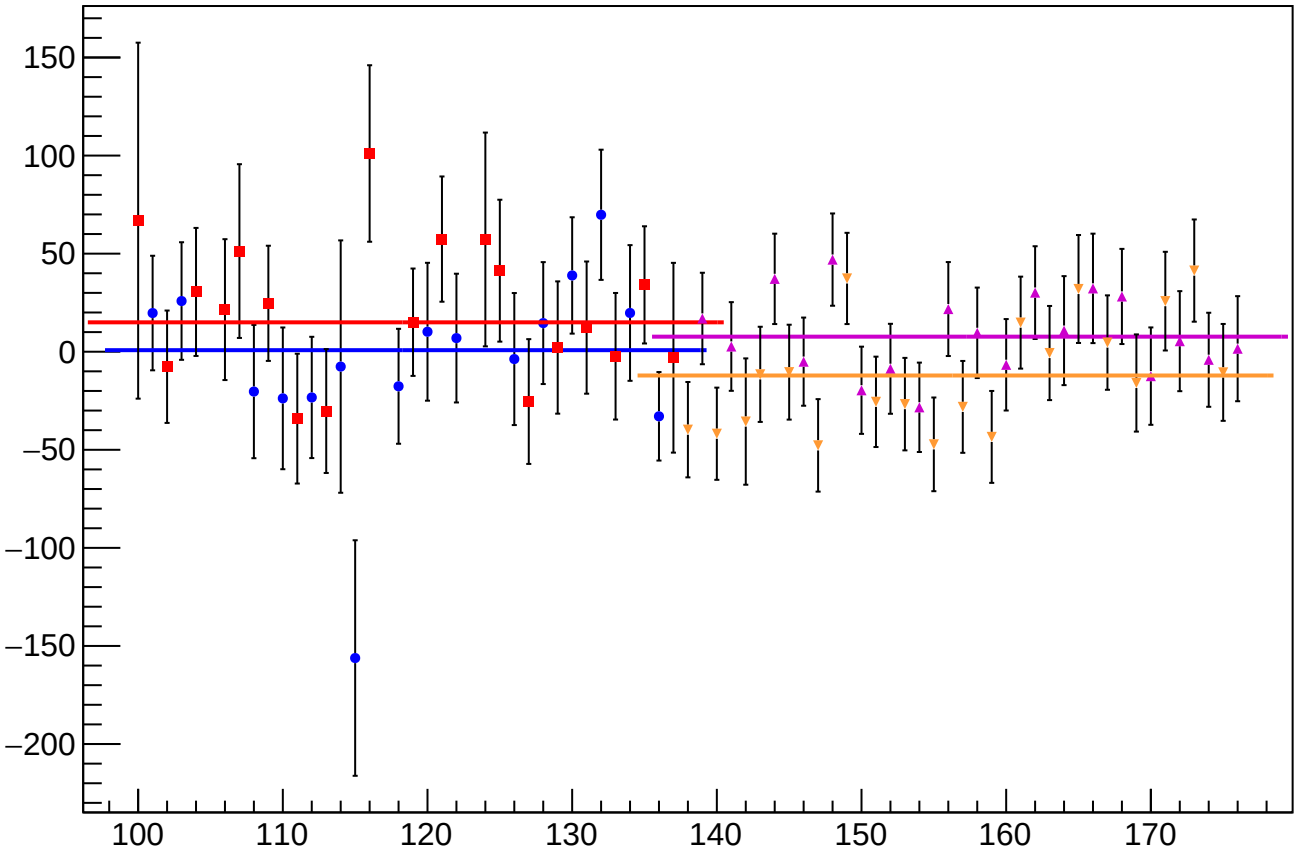
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.616+/-0.003 χ^2/NDF:127339.9/18

+ sign 15.843+/-0.002 χ^2/NDF: 180496.2/35

All: 15.881+/-0.002 χ^2/NDF: 390557.0/73

- sign 15.919+/-0.002 χ^2/NDF: 209525.1/37



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -12.120+/-5.461 χ^2/NDF:26.5/19

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

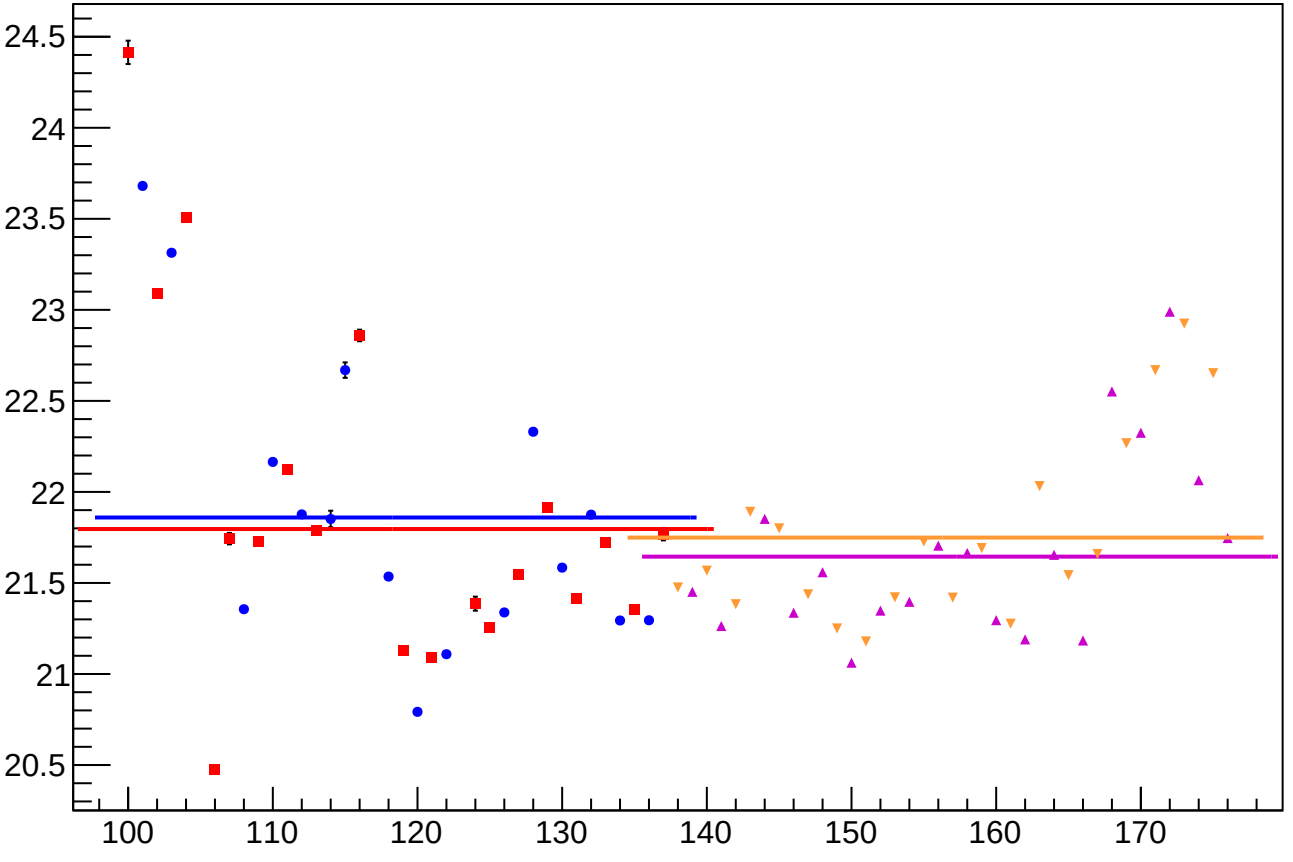
Left In: 7.678+/-5.493 χ^2/NDF:13.6/18

+ sign -8.102+/-4.532 χ^2/NDF: 46.9/35

All: 0.993+/-3.200 χ^2/NDF: 84.4/73

- sign 10.037+/-4.520 χ^2/NDF: 29.5/37

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: 21.749+/-0.004 χ^2/NDF:15522.2/19

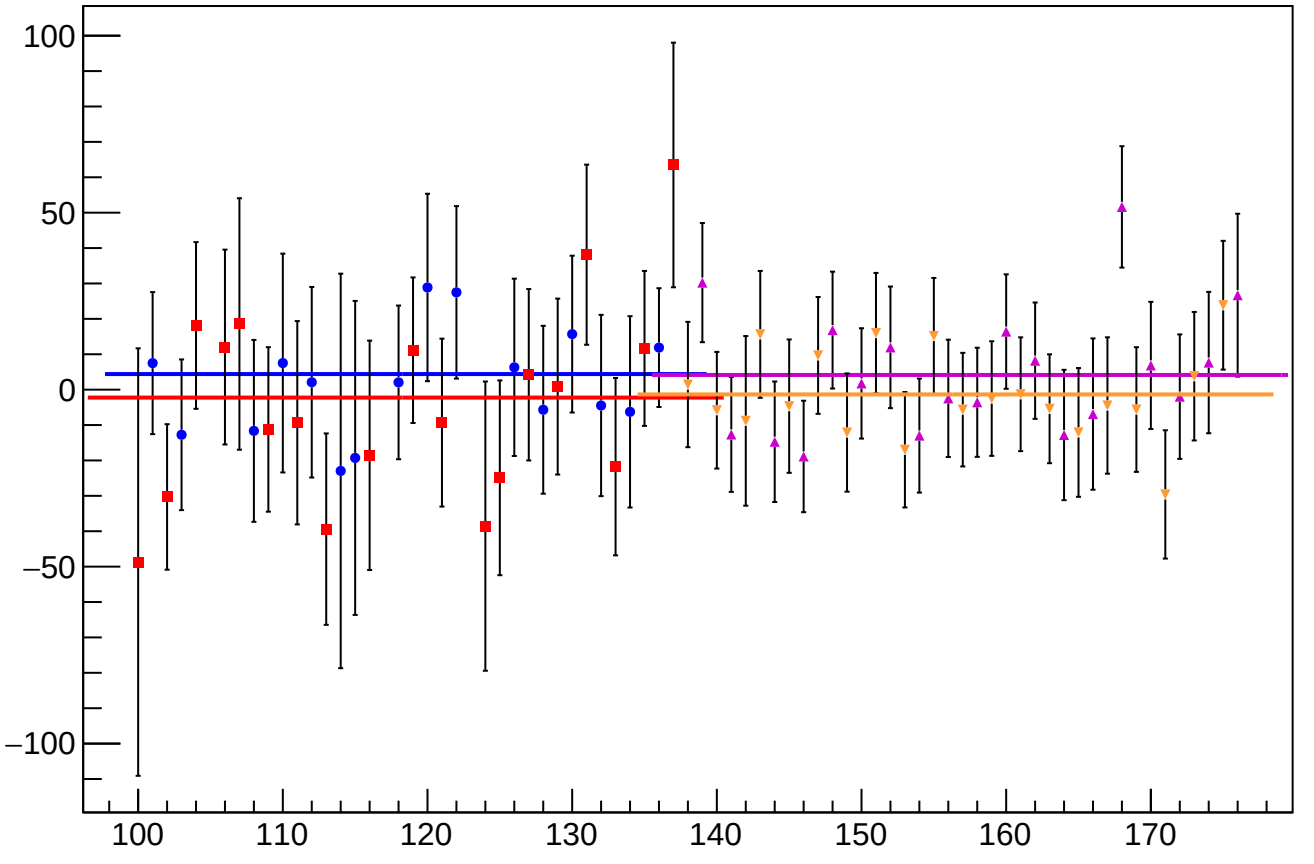
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.645+/-0.004 χ^2/NDF:15469.5/18

+ sign 21.784+/-0.003 χ^2/NDF: 35244.6/35

All: 21.738+/-0.002 χ^2/NDF: 70462.6/73

- sign 21.694+/-0.003 χ^2/NDF: 34823.0/37



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -1.343+/-3.876 χ^2/NDF:10.0/19

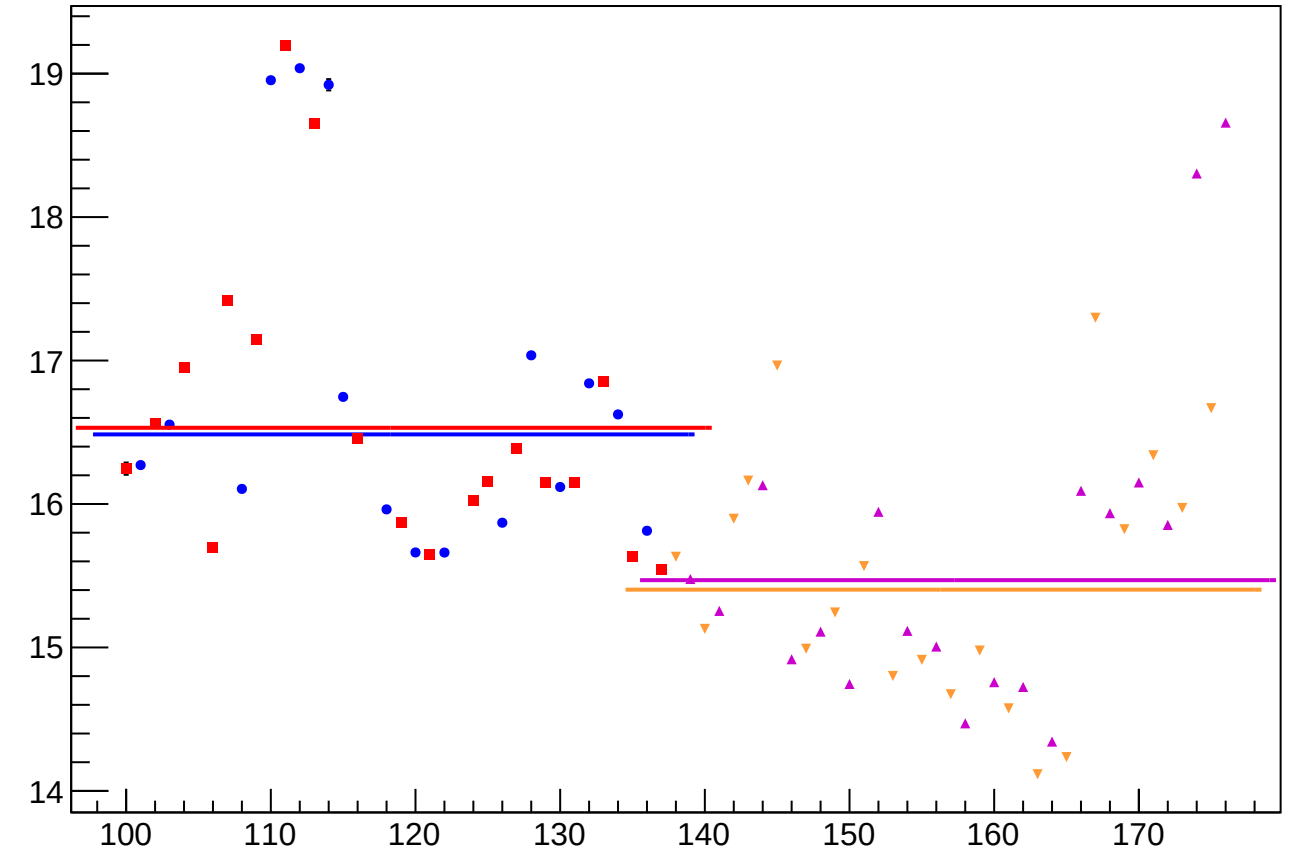
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 4.150+/-3.938 χ^2/NDF:19.8/18

+ sign 0.296+/-3.277 χ^2/NDF: 14.9/35

All: 1.263+/-2.325 χ^2/NDF: 51.0/73

- sign 2.244+/-3.299 χ^2/NDF: 35.9/37



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.403+/-0.003 χ^2/NDF:95724.8/19

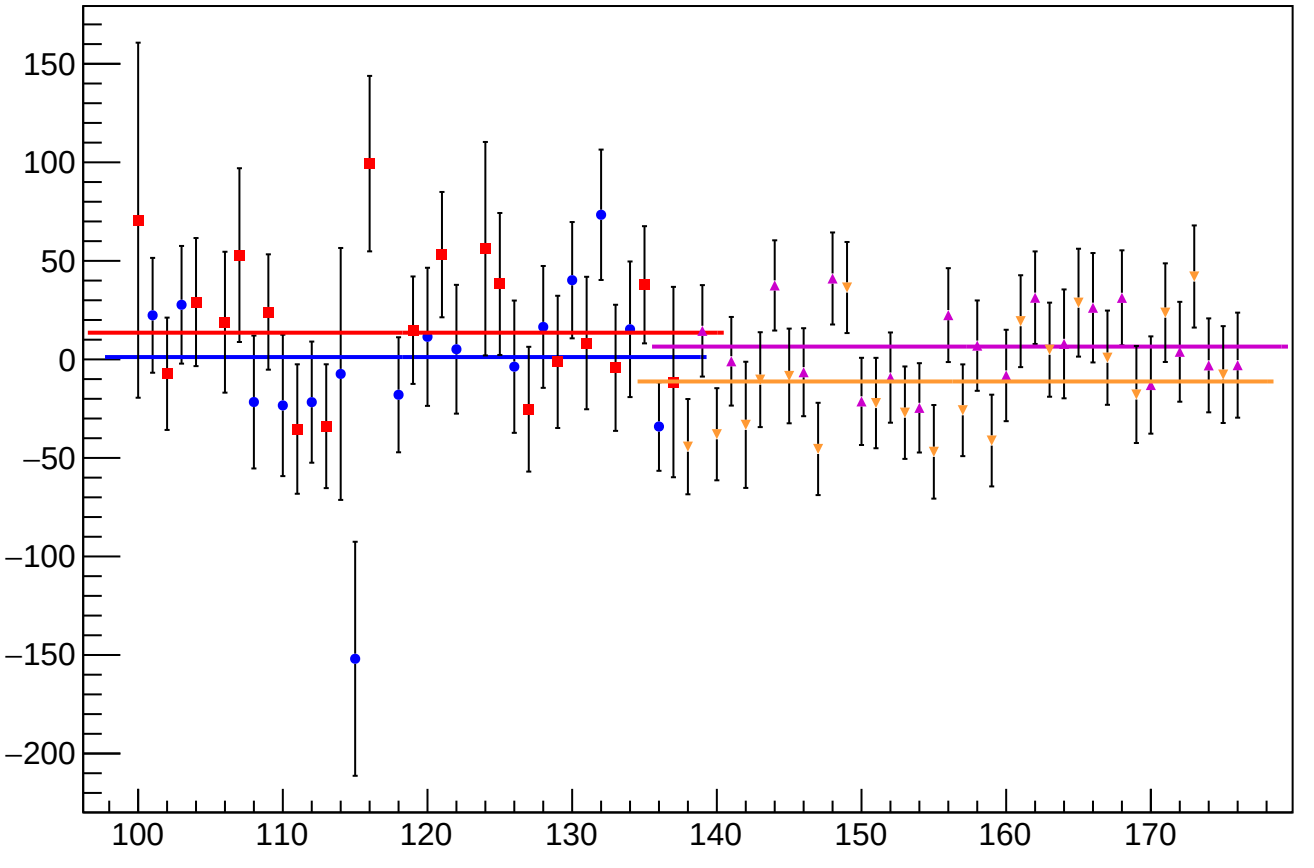
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.469+/-0.003 χ^2/NDF:124745.4/18

+ sign 15.711+/-0.002 χ^2/NDF: 187369.1/35

All: 15.748+/-0.002 χ^2/NDF: 402480.8/73

- sign 15.786+/-0.002 χ^2/NDF: 214601.3/37



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -11.204+/-5.430 χ^2/NDF:25.9/19

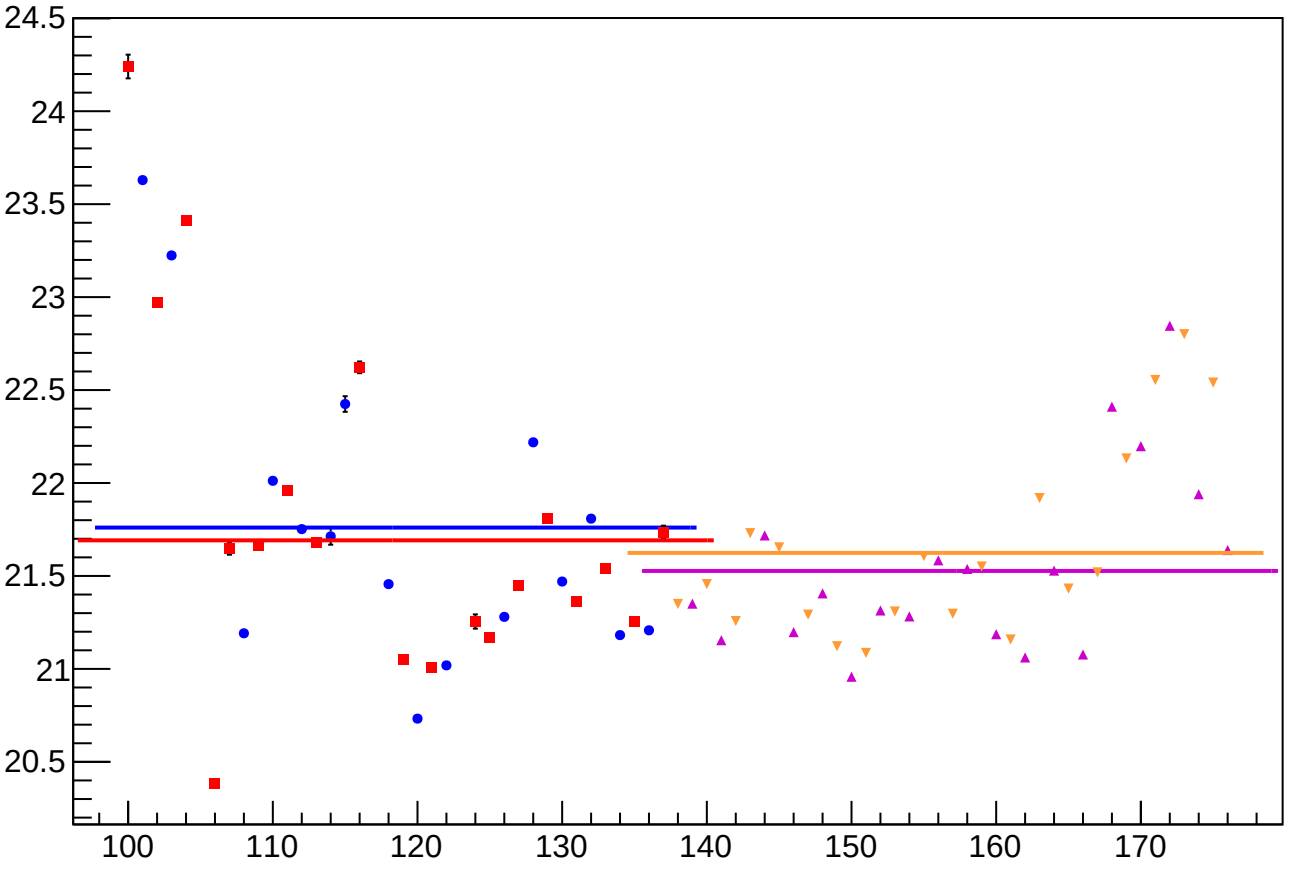
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 6.496+/-5.463 χ^2/NDF:13.0/18

+ sign -7.355+/-4.508 χ^2/NDF: 46.9/35

All: 0.730+/-3.183 χ^2/NDF: 82.8/73

- sign 8.772+/-4.496 χ^2/NDF: 29.4/37



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.624+/-0.004 χ^2/NDF:15646.8/19

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

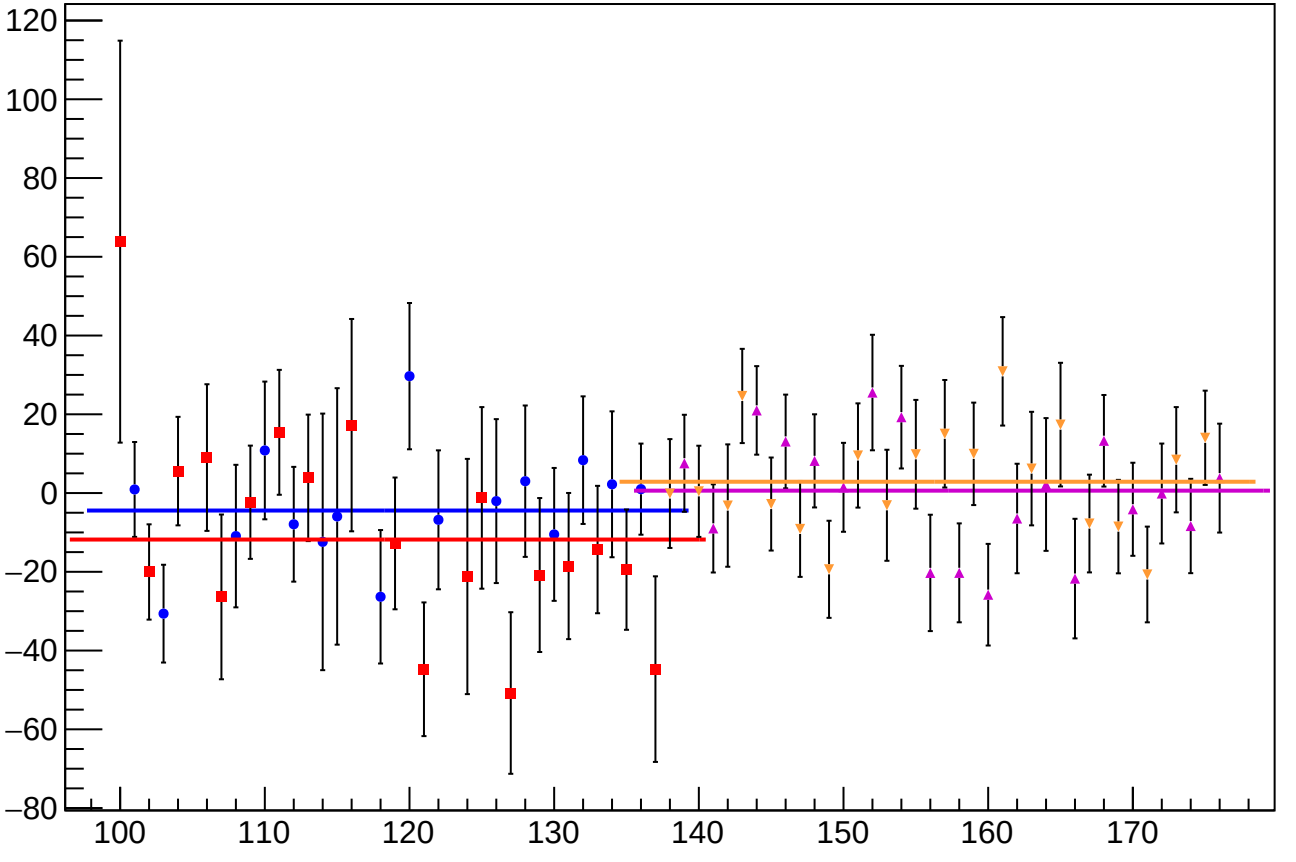
Left In: 21.527+/-0.004 χ^2/NDF:14991.3/18

+ sign 21.666+/-0.003 χ^2/NDF: 35783.2/35

All: 21.623+/-0.002 χ^2/NDF: 70059.0/73

- sign 21.580+/-0.003 χ^2/NDF: 33907.9/37

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: 2.873+/-2.903 χ^2/NDF:21.3/19

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

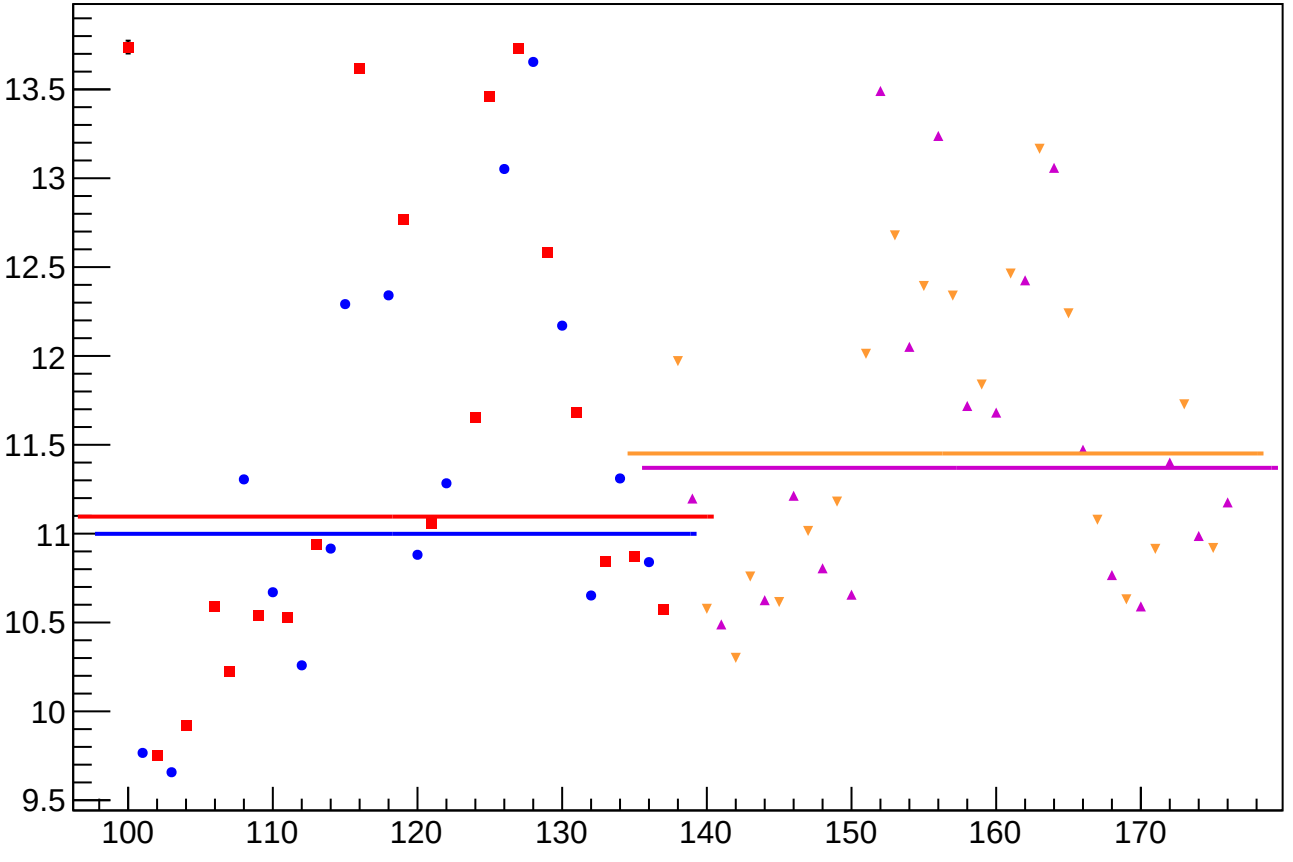
Left In: 0.609+/-2.911 χ^2/NDF:24.1/18

+ sign 0.455+/-2.375 χ^2/NDF: 35.4/35

All: -1.552+/-1.679 χ^2/NDF: 88.8/73

- sign -3.556+/-2.373 χ^2/NDF: 52.0/37

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: 11.451+/-0.002 χ^2/NDF:147963.6/19

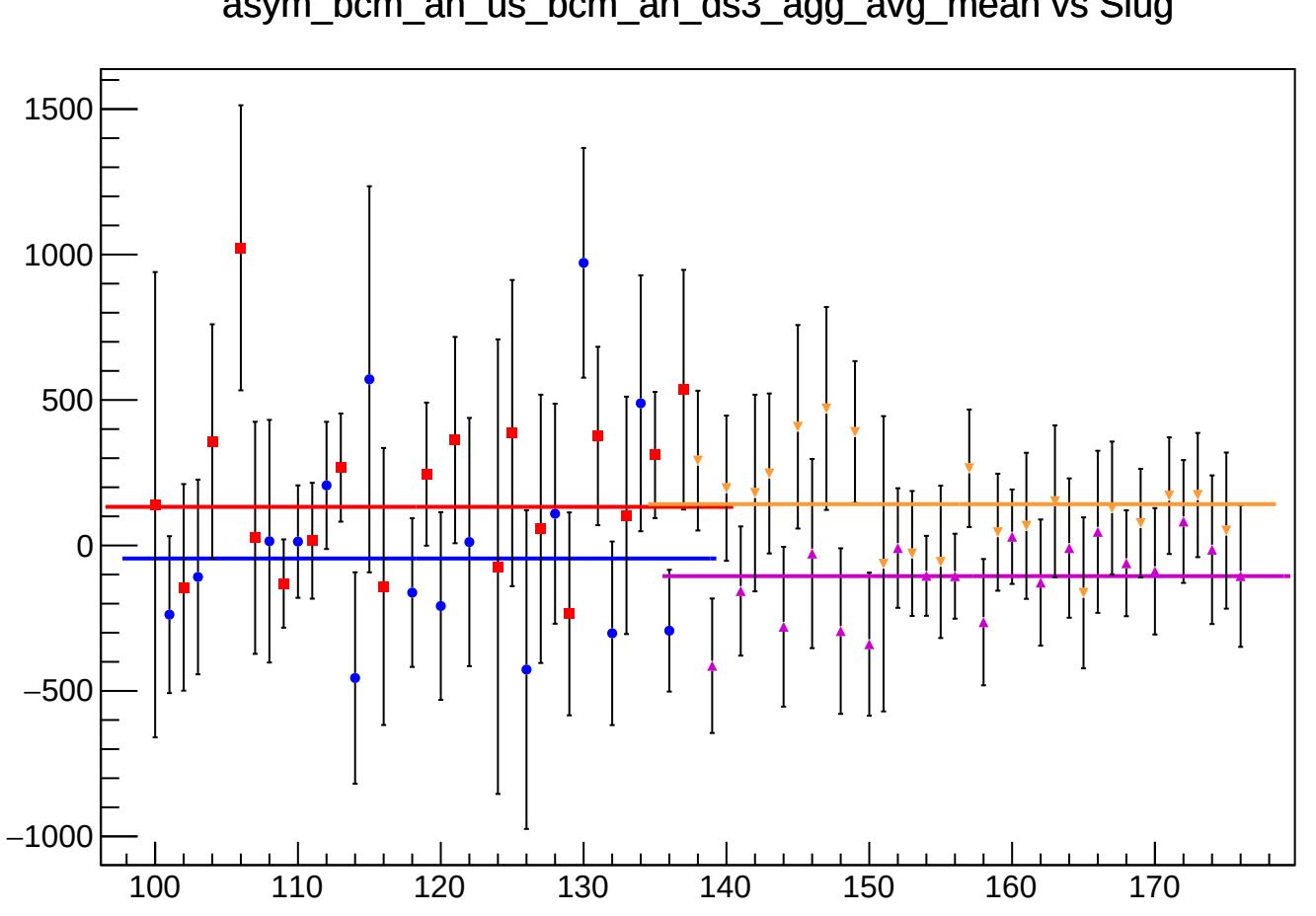
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.370+/-0.002 χ^2/NDF:164614.2/18

+ sign 11.302+/-0.002 χ^2/NDF: 300159.8/35

All: 11.290+/-0.001 χ^2/NDF: 633738.7/73

- sign 11.278+/-0.002 χ^2/NDF: 333481.8/37



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 141.981+/-54.883 χ^2/NDF:6.8/19

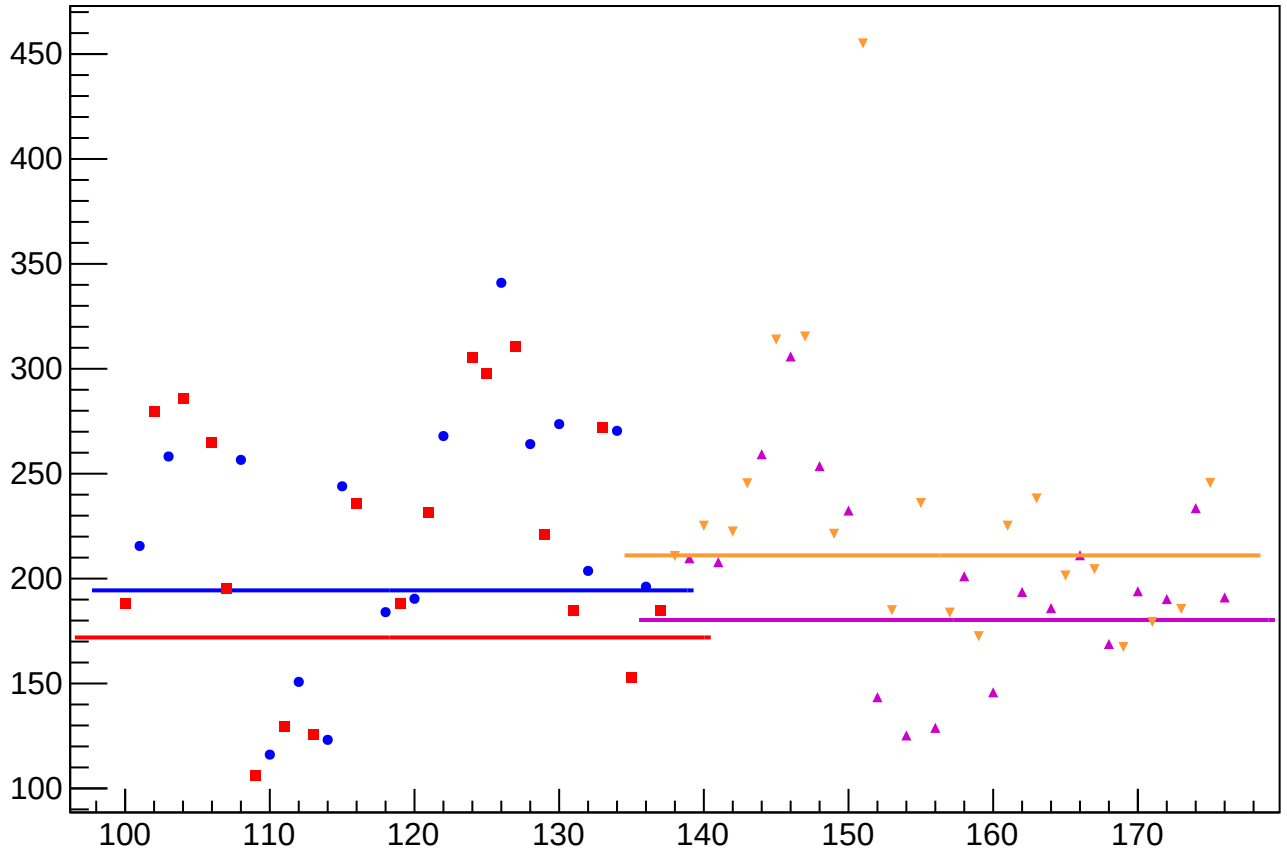
Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: -105.407+/-48.172 χ^2/NDF:6.5/18

+ sign 78.429+/-44.579 χ^2/NDF: 26.2/35

All: 19.606+/-29.505 χ^2/NDF: 56.8/73

- sign -26.252+/-39.360 χ^2/NDF: 27.5/37



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 211.071+/-0.039 χ^2/NDF:1269333.6/19

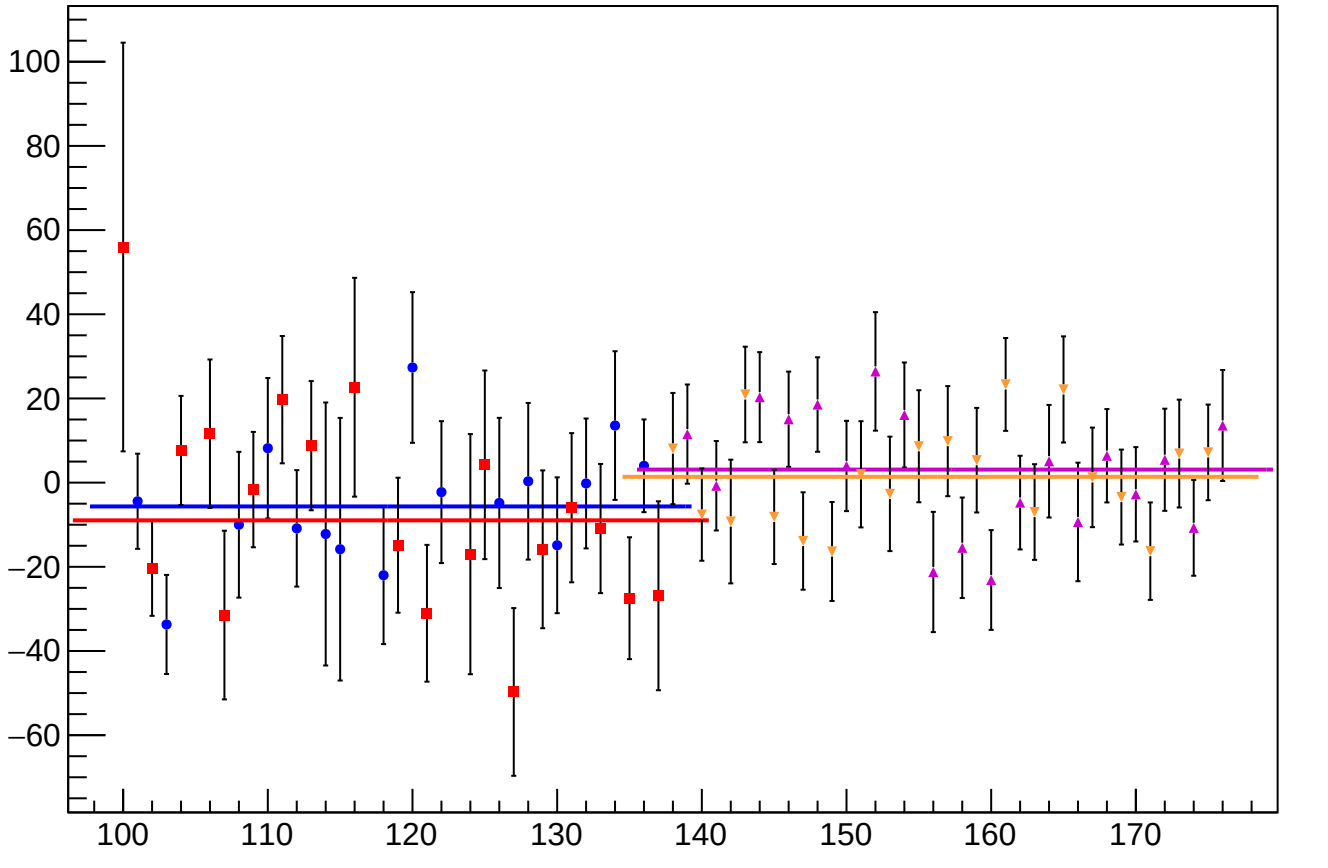
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.282+/-0.034 χ^2/NDF:1636042.8/18

+ sign 205.394+/-0.032 χ^2/NDF: 2374257.5/35

All: 189.726+/-0.021 χ^2/NDF: 6121179.3/73

- sign 177.512+/-0.028 χ^2/NDF: 3307278.2/37



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.383+/-2.699 χ^2/NDF:20.2/19

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

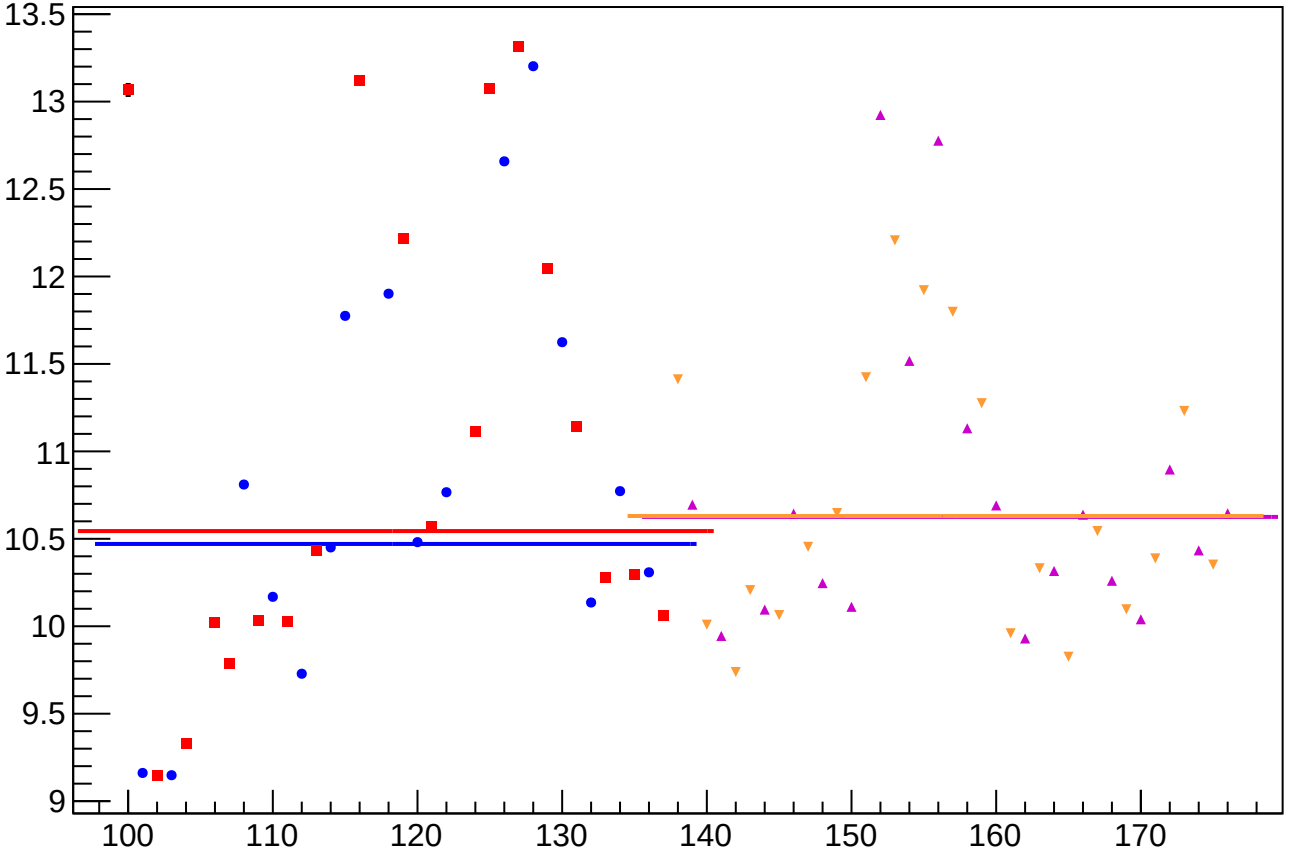
Left In: 3.098+/-2.724 χ^2/NDF:24.1/18

+ sign -0.866+/-2.226 χ^2/NDF: 36.1/35

All: -0.860+/-1.577 χ^2/NDF: 89.4/73

- sign -0.854+/-2.233 χ^2/NDF: 53.3/37

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.630+/-0.002 χ^2/NDF:132062.9/19

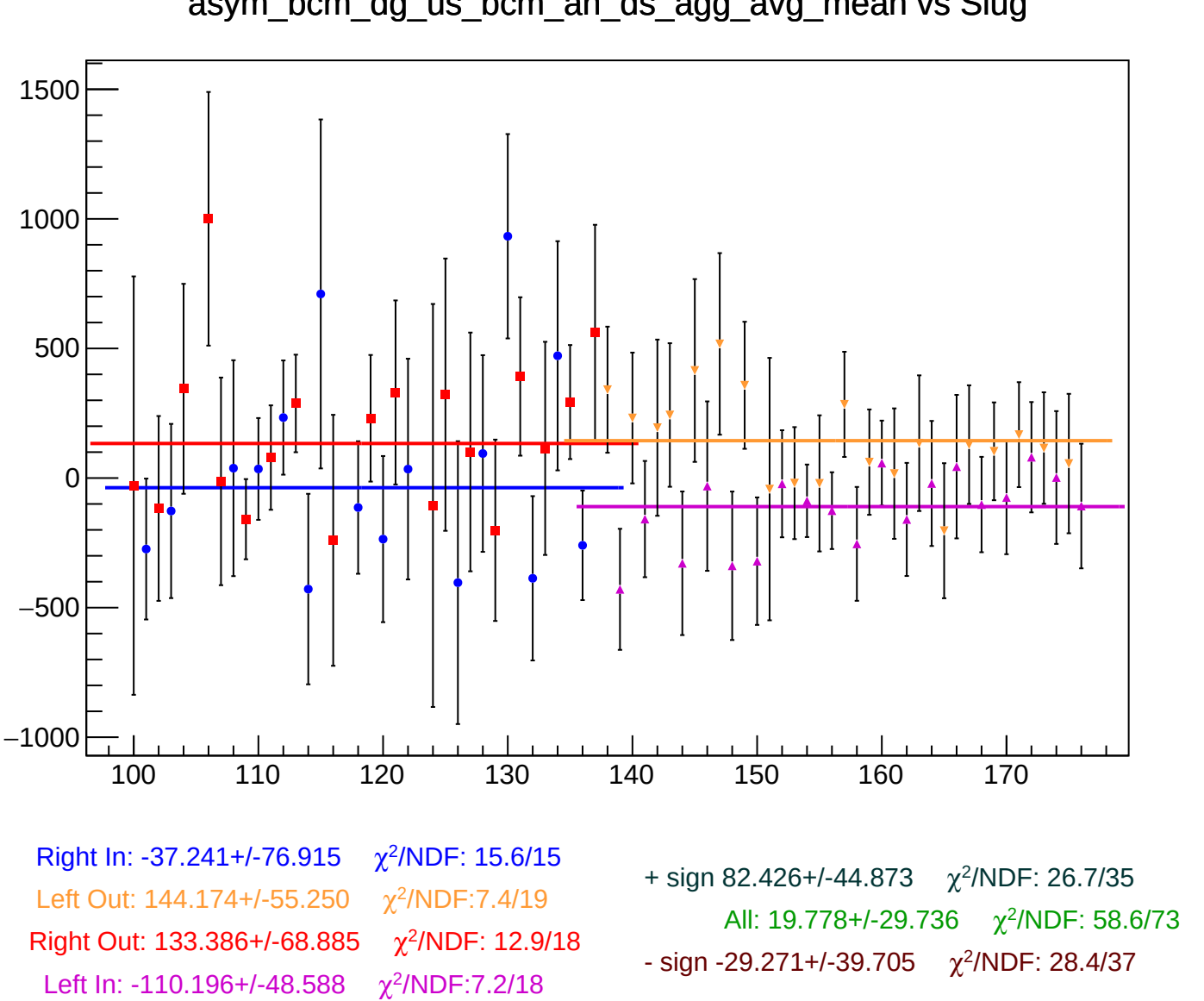
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

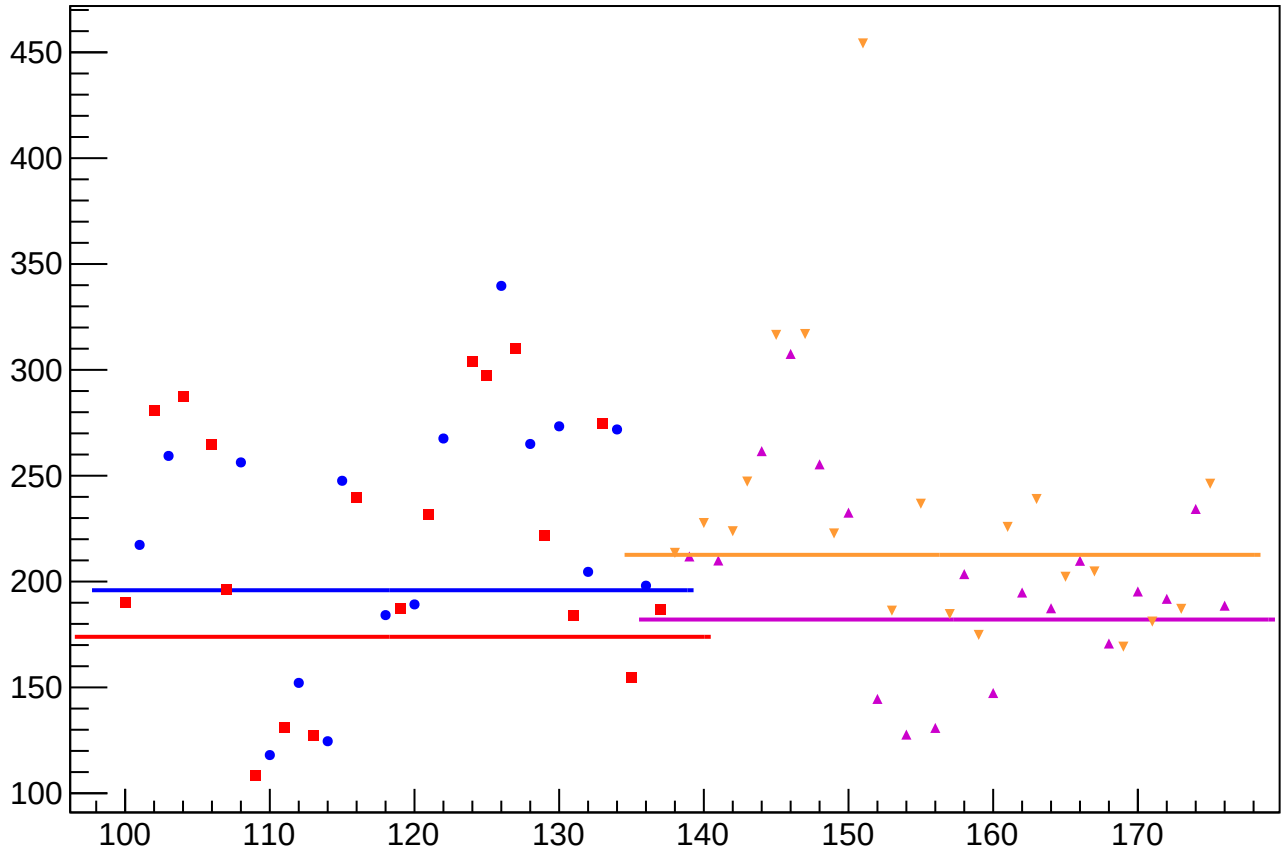
Left In: 10.625+/-0.002 χ^2/NDF:150670.6/18

+ sign 10.579+/-0.002 χ^2/NDF: 291669.2/35

All: 10.589+/-0.001 χ^2/NDF: 629772.8/73

- sign 10.599+/-0.002 χ^2/NDF: 338028.4/37


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -37.241+/-76.915 χ²/NDF: 15.6/15
Left Out: 144.174+/-55.250 χ²/NDF:7.4/19
Right Out: 133.386+/-68.885 χ²/NDF: 12.9/18
Left In: -110.196+/-48.588 χ²/NDF:7.2/18
+ sign 82.426+/-44.873 χ²/NDF: 26.7/35
All: 19.778+/-29.736 χ²/NDF: 58.6/73
- sign -29.271+/-39.705 χ²/NDF: 28.4/37



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 212.624+/-0.039 χ^2/NDF:1249079.3/19

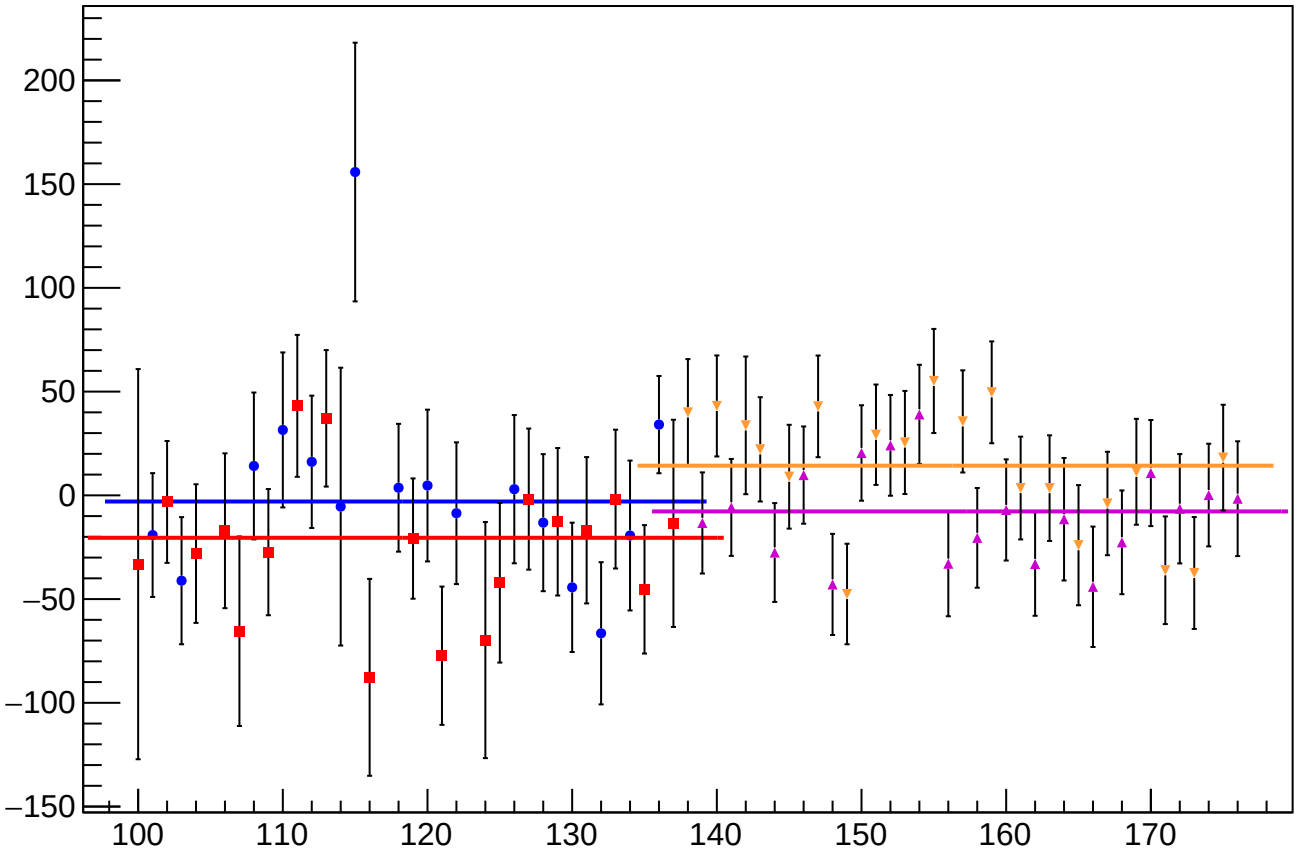
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 182.058+/-0.034 χ^2/NDF:1585263.2/18

+ sign 206.932+/-0.032 χ^2/NDF: 2322466.1/35

All: 191.461+/-0.021 χ^2/NDF: 5949915.0/73

- sign 179.348+/-0.028 χ^2/NDF: 3203597.3/37



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.297+/-5.698 χ^2/NDF:27.0/19

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

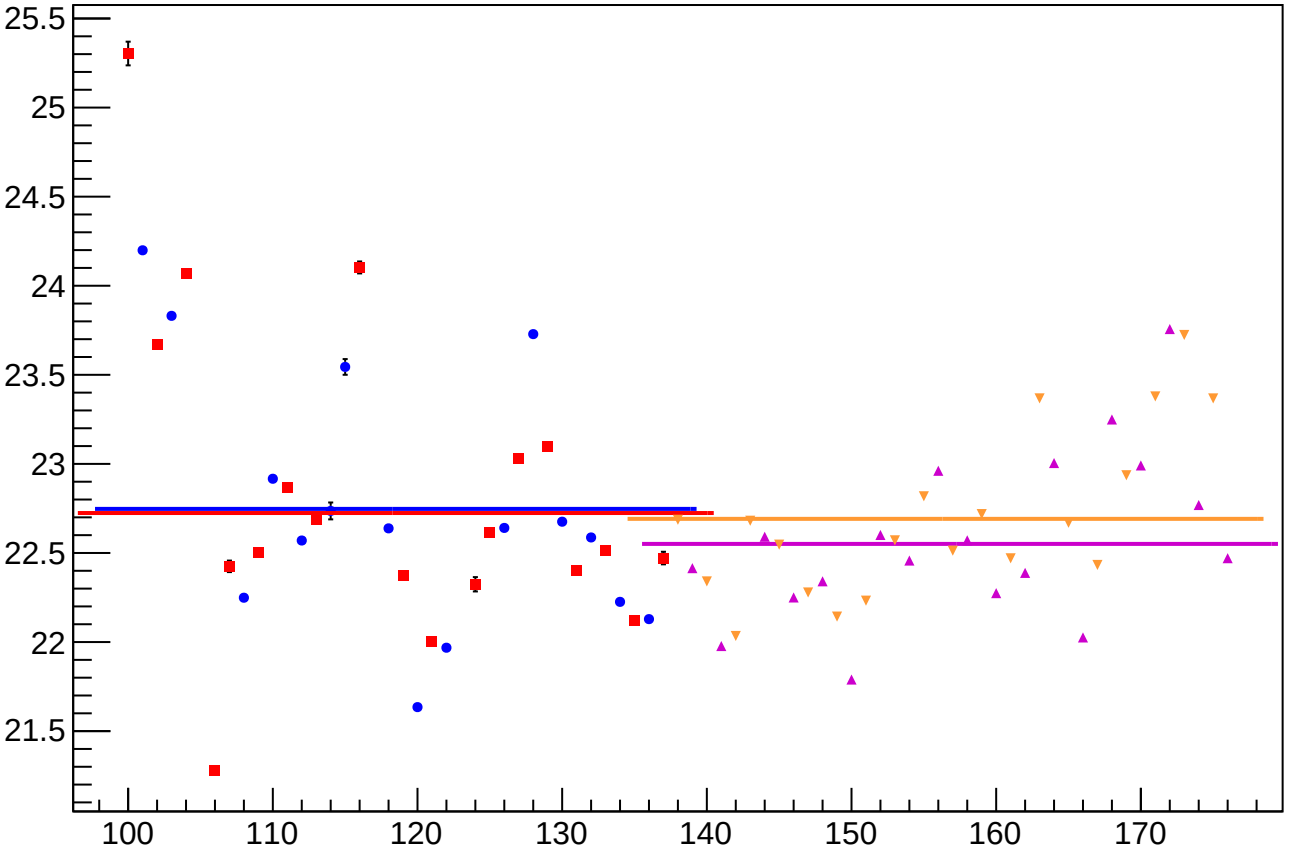
Left In: -7.750+/-5.723 χ^2/NDF:15.3/18

+ sign 8.904+/-4.725 χ^2/NDF: 47.7/35

All: -1.506+/-3.336 χ^2/NDF: 89.6/73

- sign -11.850+/-4.710 χ^2/NDF: 32.2/37

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: 22.692+/-0.004 χ^2/NDF:11501.8/19

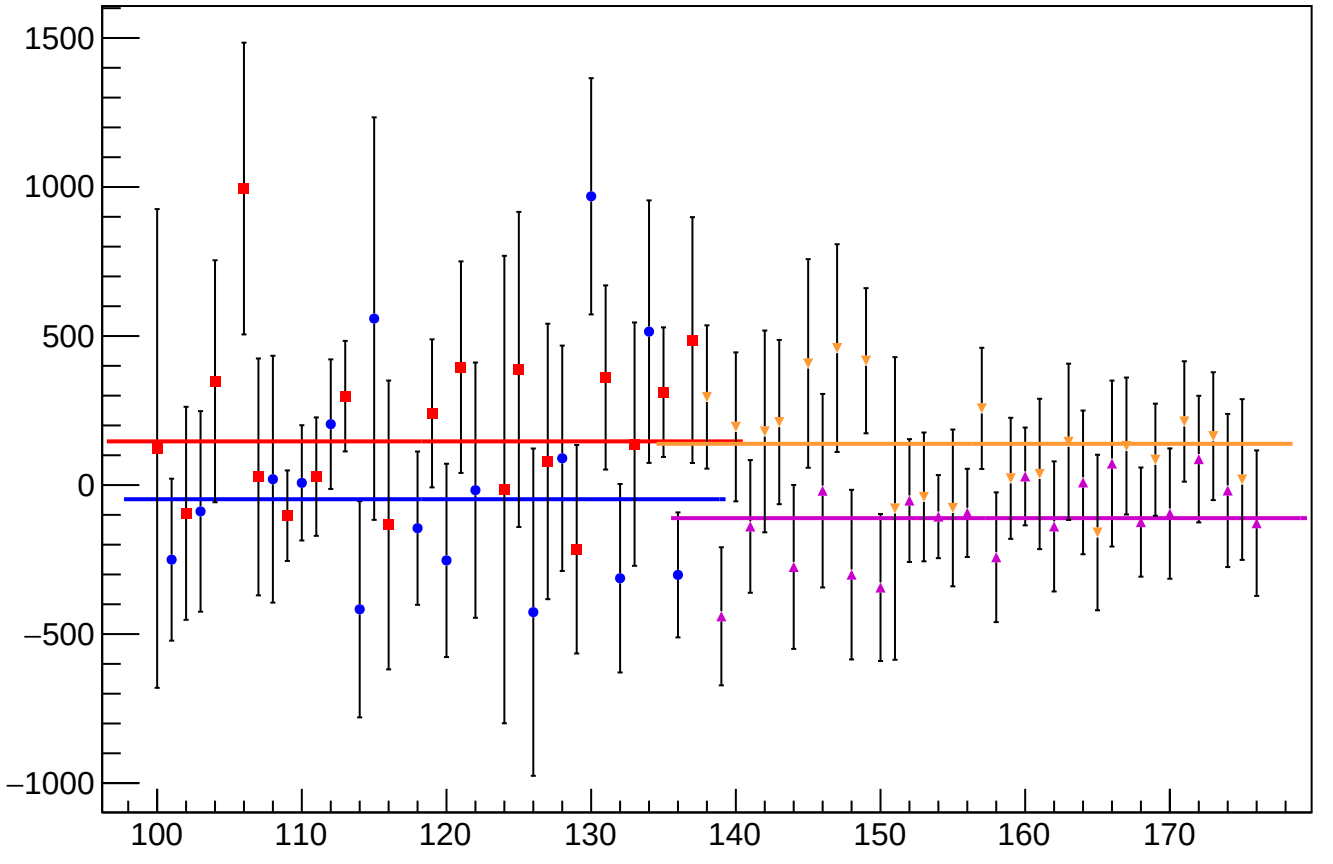
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.551+/-0.004 χ^2/NDF:12488.9/18

+ sign 22.709+/-0.003 χ^2/NDF: 26184.8/35

All: 22.658+/-0.002 χ^2/NDF: 54225.5/73

- sign 22.607+/-0.003 χ^2/NDF: 27571.6/37



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 138.478+/-55.143 χ^2/NDF:7.4/19

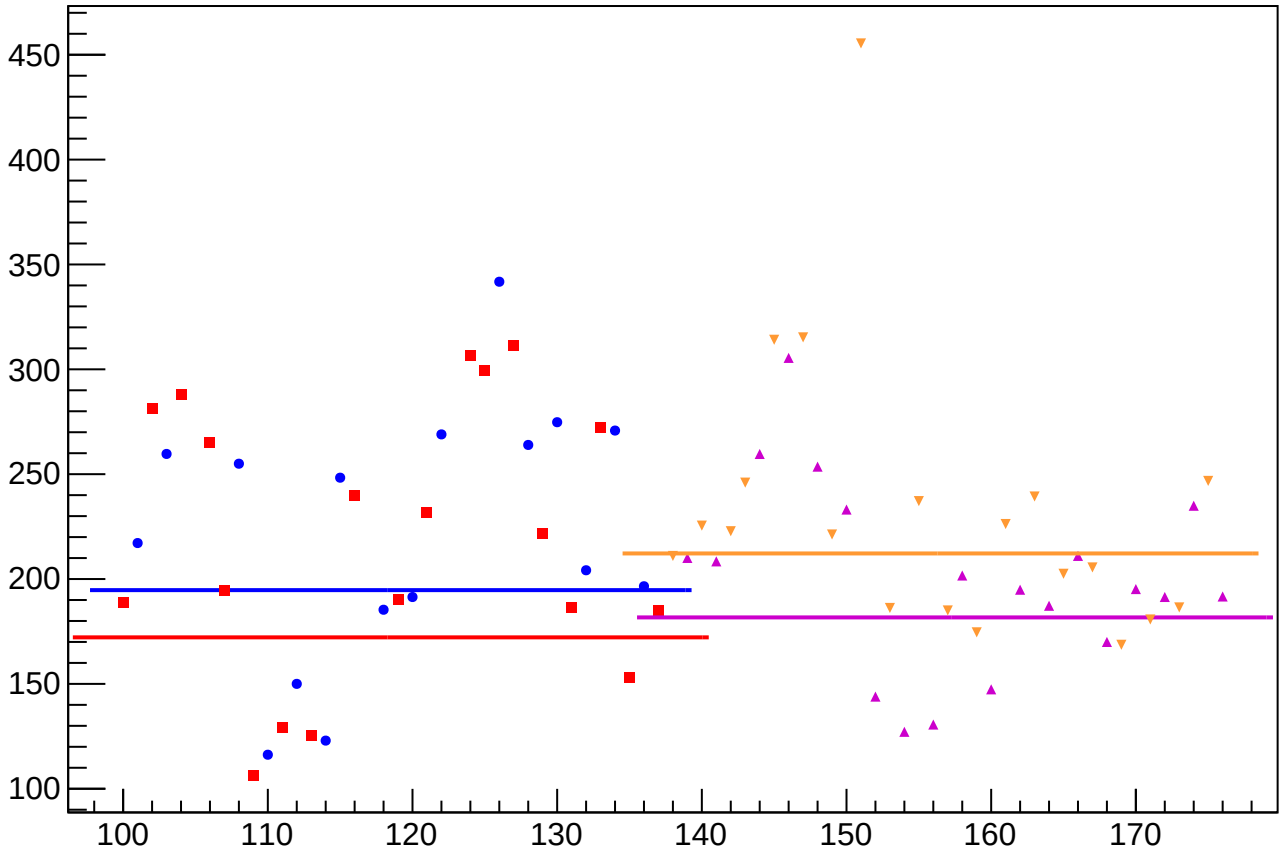
Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: -110.976+/-48.497 χ^2/NDF:6.7/18

+ sign 74.956+/-44.747 χ^2/NDF: 26.7/35

All: 18.957+/-29.639 χ^2/NDF: 57.2/73

- sign -24.814+/-39.561 χ^2/NDF: 27.7/37



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 212.200+/-0.039 χ^2/NDF:1244638.0/19

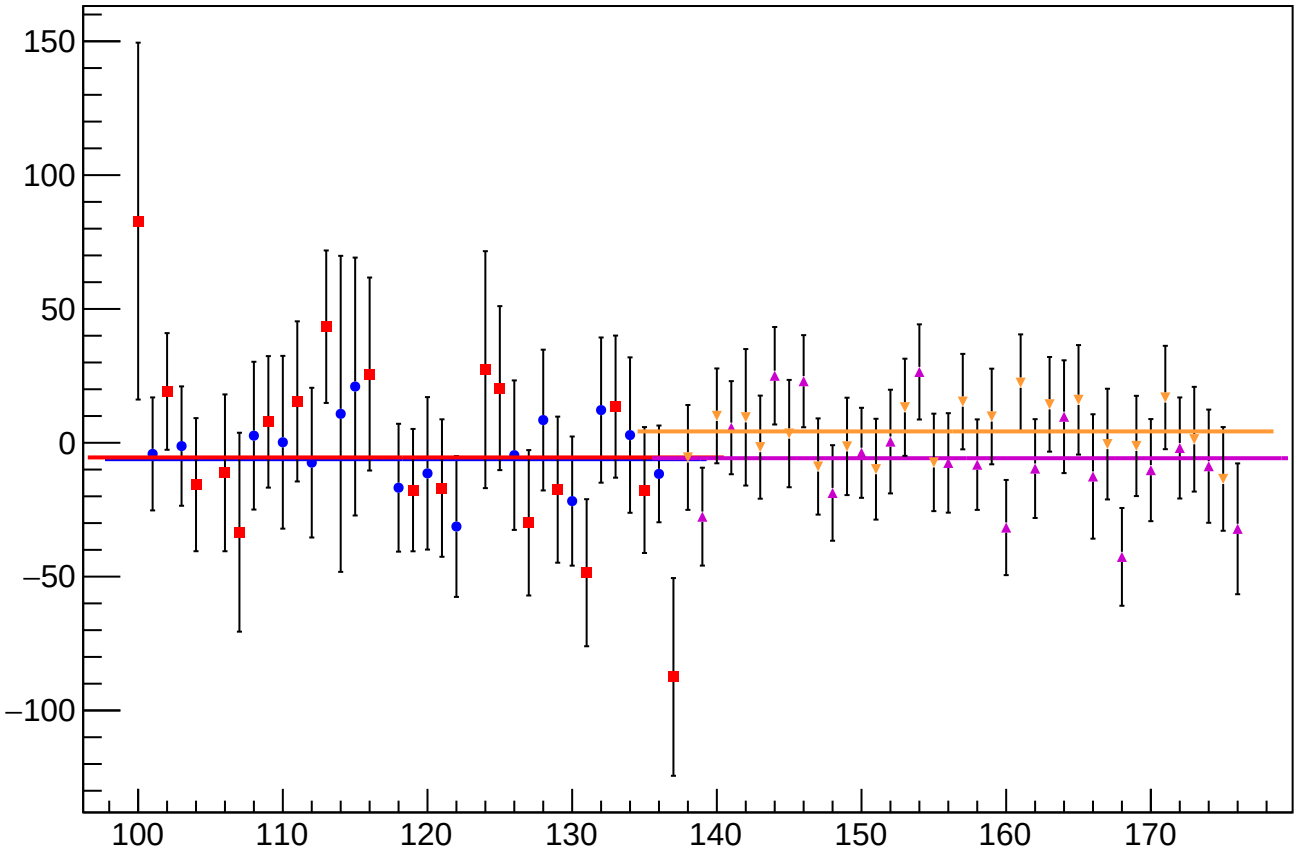
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 181.699+/-0.034 χ^2/NDF:1580736.4/18

+ sign 206.226+/-0.032 χ^2/NDF: 2365656.6/35

All: 190.673+/-0.021 χ^2/NDF: 6073683.3/73

- sign 178.516+/-0.028 χ^2/NDF: 3277548.6/37



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.250+/-4.242 χ^2/NDF:5.9/19

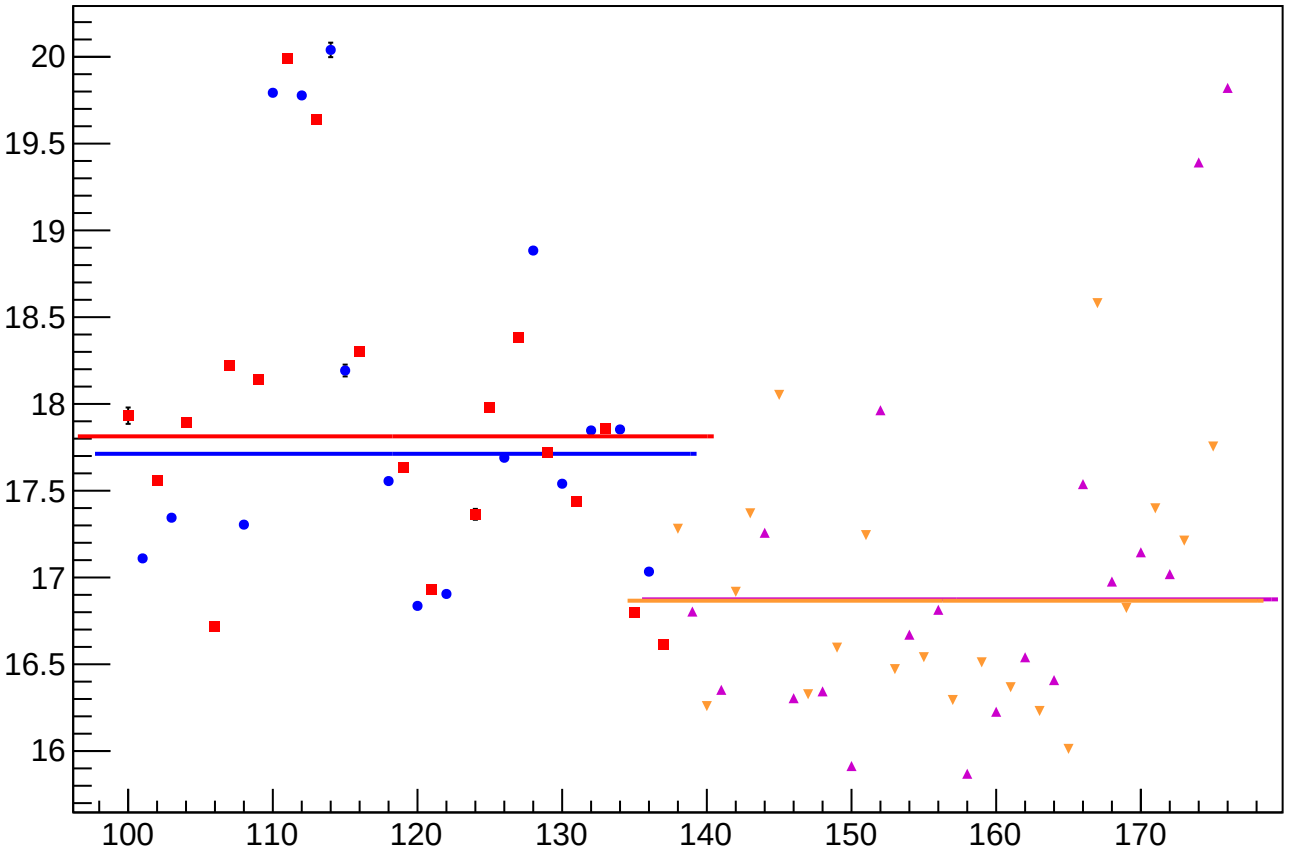
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -5.760+/-4.293 χ^2/NDF:19.6/18

+ sign 1.214+/-3.567 χ^2/NDF: 10.8/35

All: -2.213+/-2.528 χ^2/NDF: 51.5/73

- sign -5.672+/-3.584 χ^2/NDF: 38.8/37



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.866+/-0.003 χ^2/NDF:46790.3/19

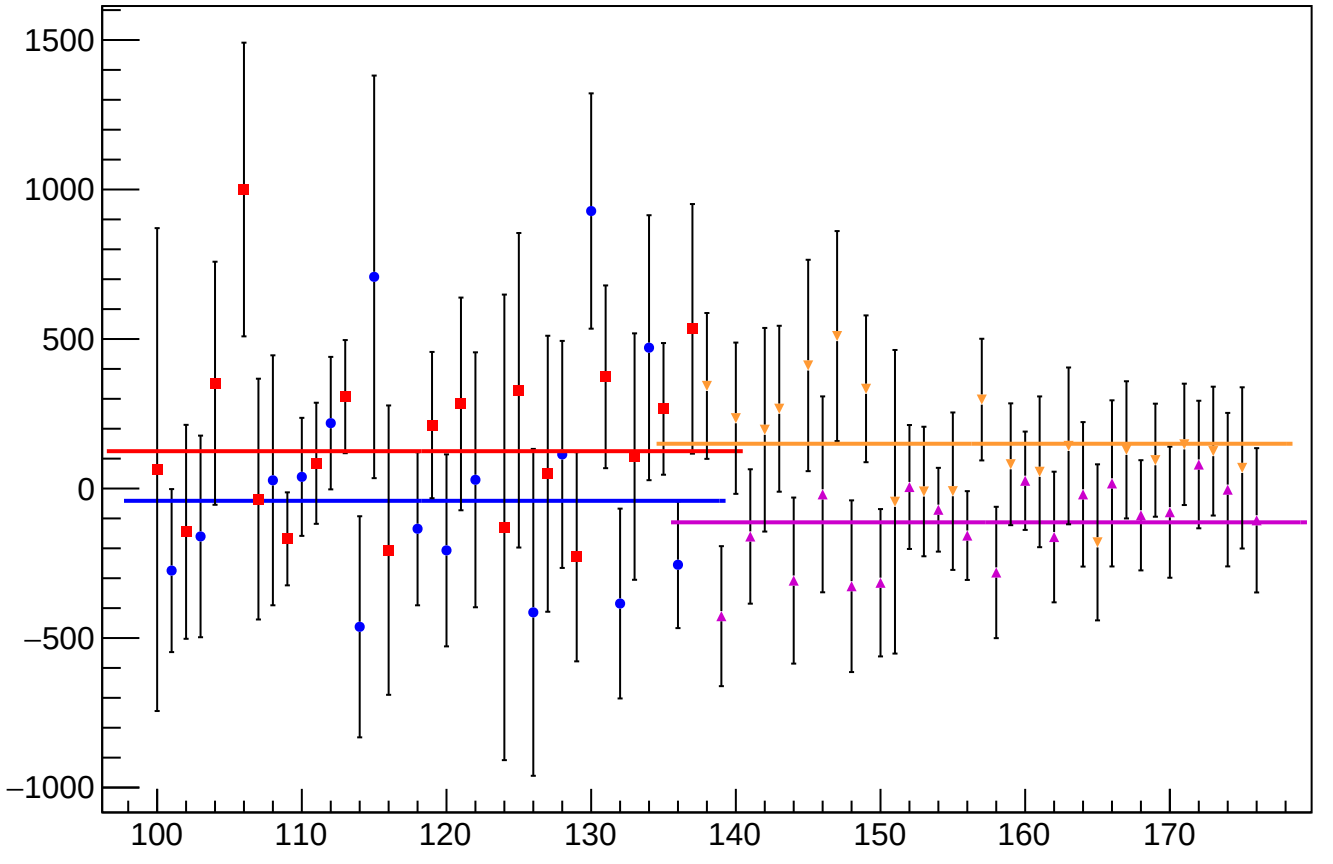
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.874+/-0.003 χ^2/NDF:90801.5/18

+ sign 17.114+/-0.003 χ^2/NDF: 106086.2/35

All: 17.136+/-0.002 χ^2/NDF: 258779.1/73

- sign 17.159+/-0.003 χ^2/NDF: 152537.0/37



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 149.754+/-55.370 χ^2/NDF:6.7/19

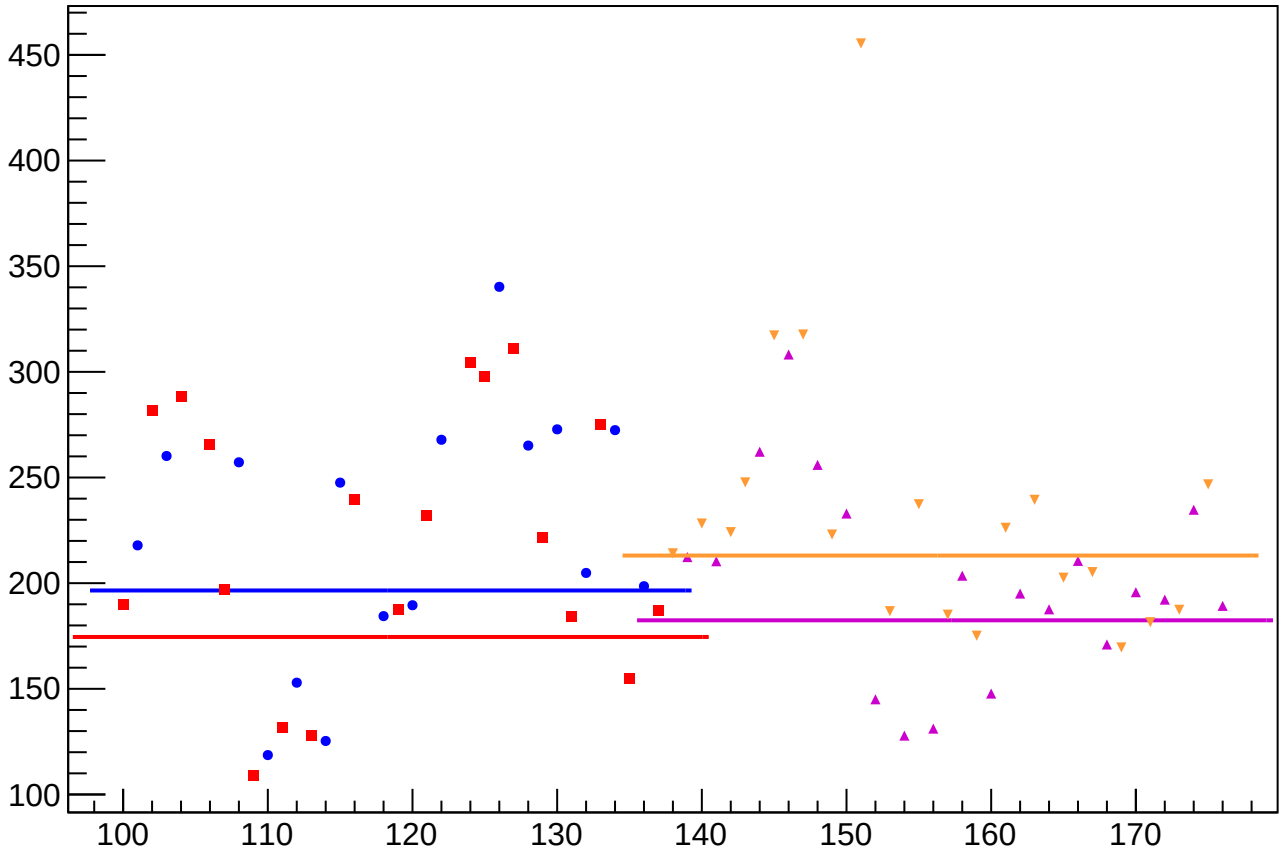
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -113.031+/-48.686 χ^2/NDF:6.9/18

+ sign 84.852+/-44.982 χ^2/NDF: 26.4/35

All: 18.122+/-29.808 χ^2/NDF: 58.0/73

- sign -34.122+/-39.801 χ^2/NDF: 27.7/37



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 213.080+/-0.039 χ^2/NDF:1249541.4/19

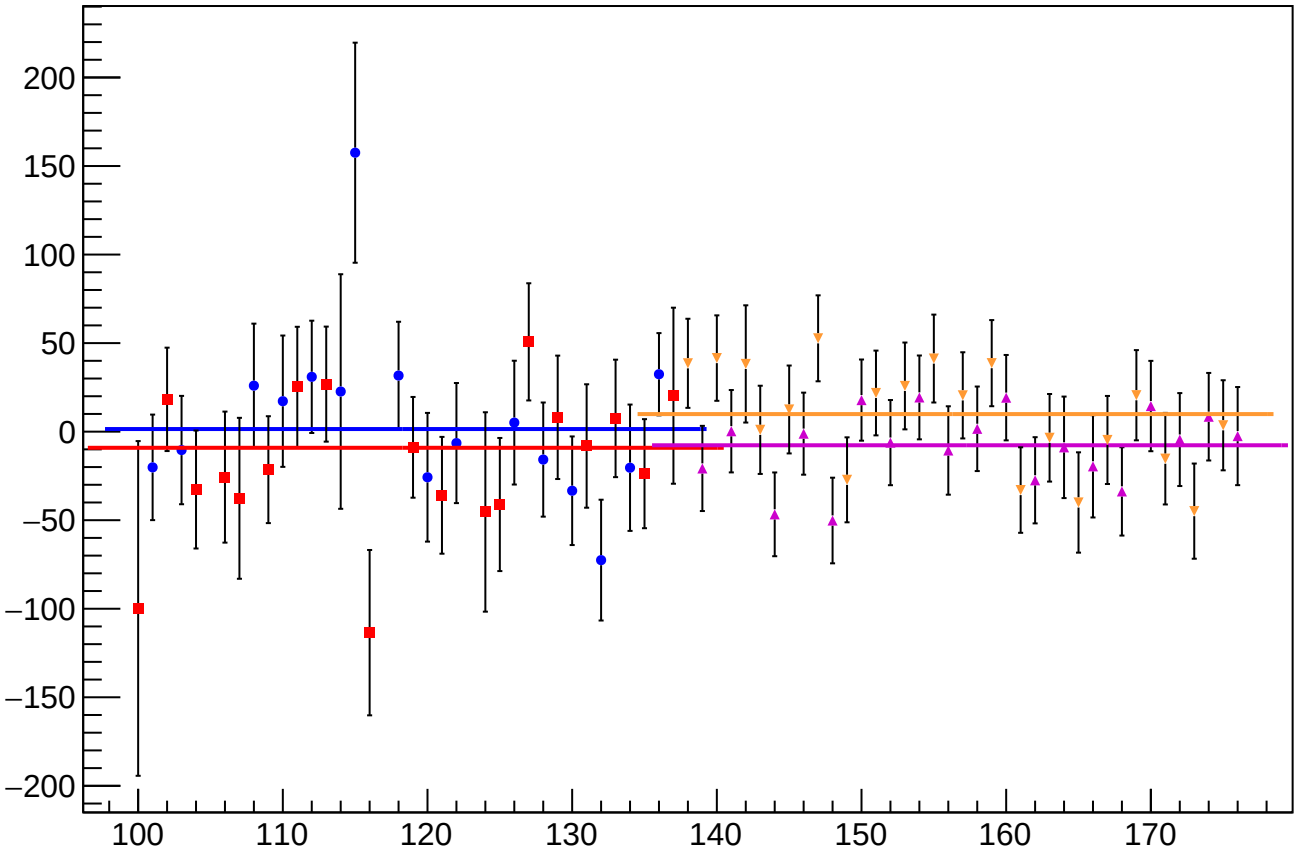
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 182.422+/-0.034 χ^2/NDF:1585406.9/18

+ sign 207.457+/-0.032 χ^2/NDF: 2310981.9/35

All: 191.949+/-0.021 χ^2/NDF: 5926327.2/73

- sign 179.808+/-0.028 χ^2/NDF: 3191520.2/37



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 9.918+/-5.637 χ^2/NDF:25.5/19

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

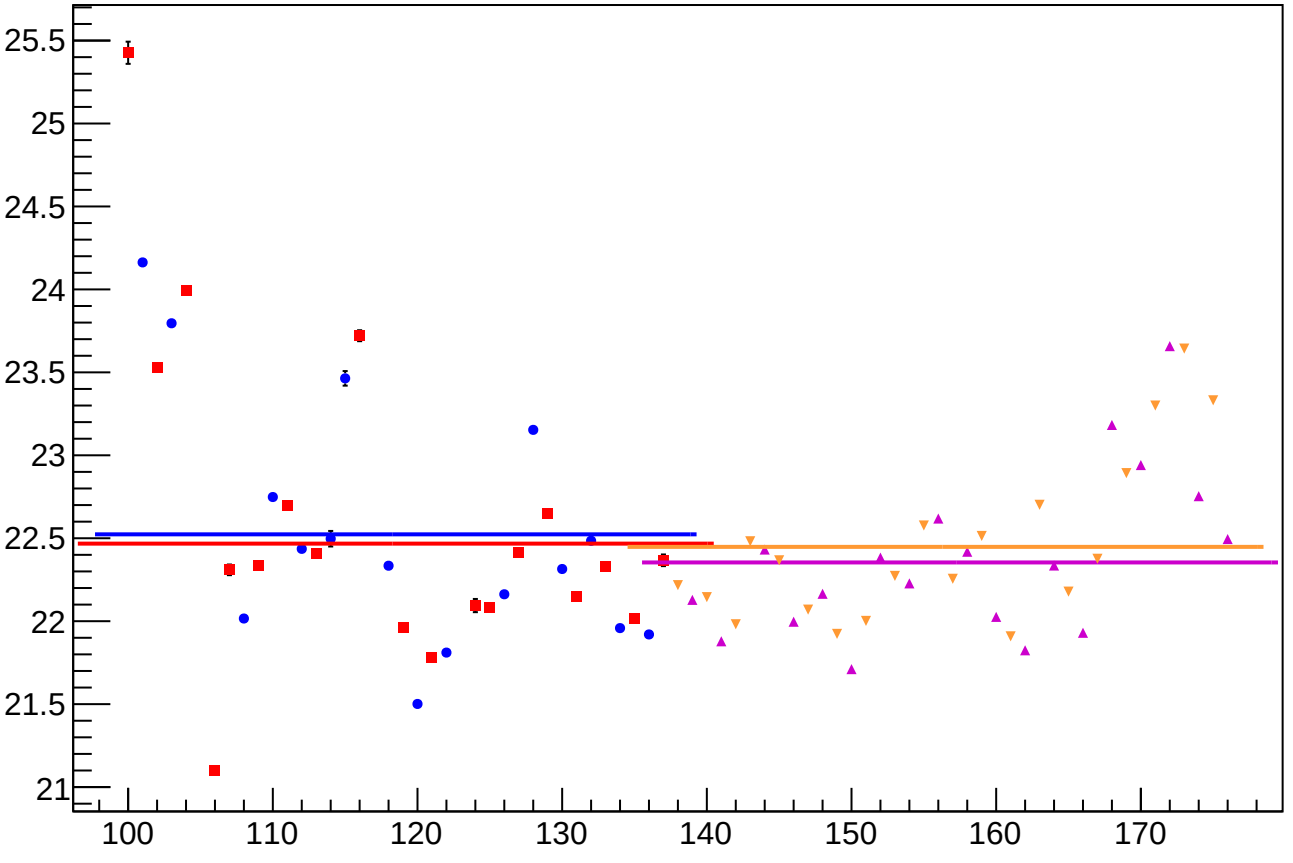
Left In: -7.690+/-5.673 χ^2/NDF:13.4/18

+ sign 7.284+/-4.675 χ^2/NDF: 44.9/35

All: -0.451+/-3.302 χ^2/NDF: 80.2/73

- sign -8.151+/-4.665 χ^2/NDF: 29.9/37

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: 22.448+/-0.004 χ^2/NDF:13894.7/19

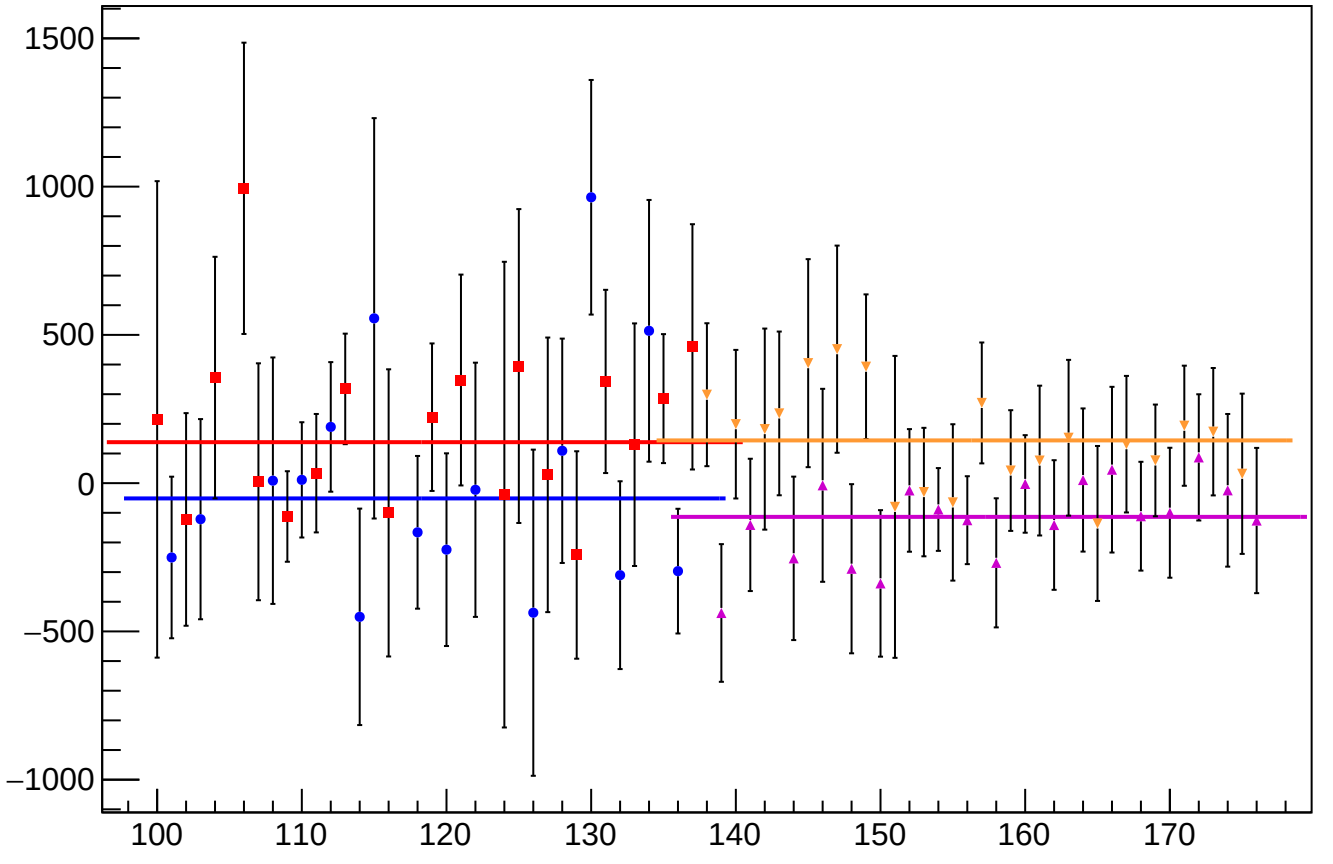
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.354+/-0.004 χ^2/NDF:14033.0/18

+ sign 22.472+/-0.003 χ^2/NDF: 29954.6/35

All: 22.431+/-0.002 χ^2/NDF: 60171.9/73

- sign 22.391+/-0.003 χ^2/NDF: 29918.4/37



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 144.125+/-55.263 χ^2/NDF:6.7/19

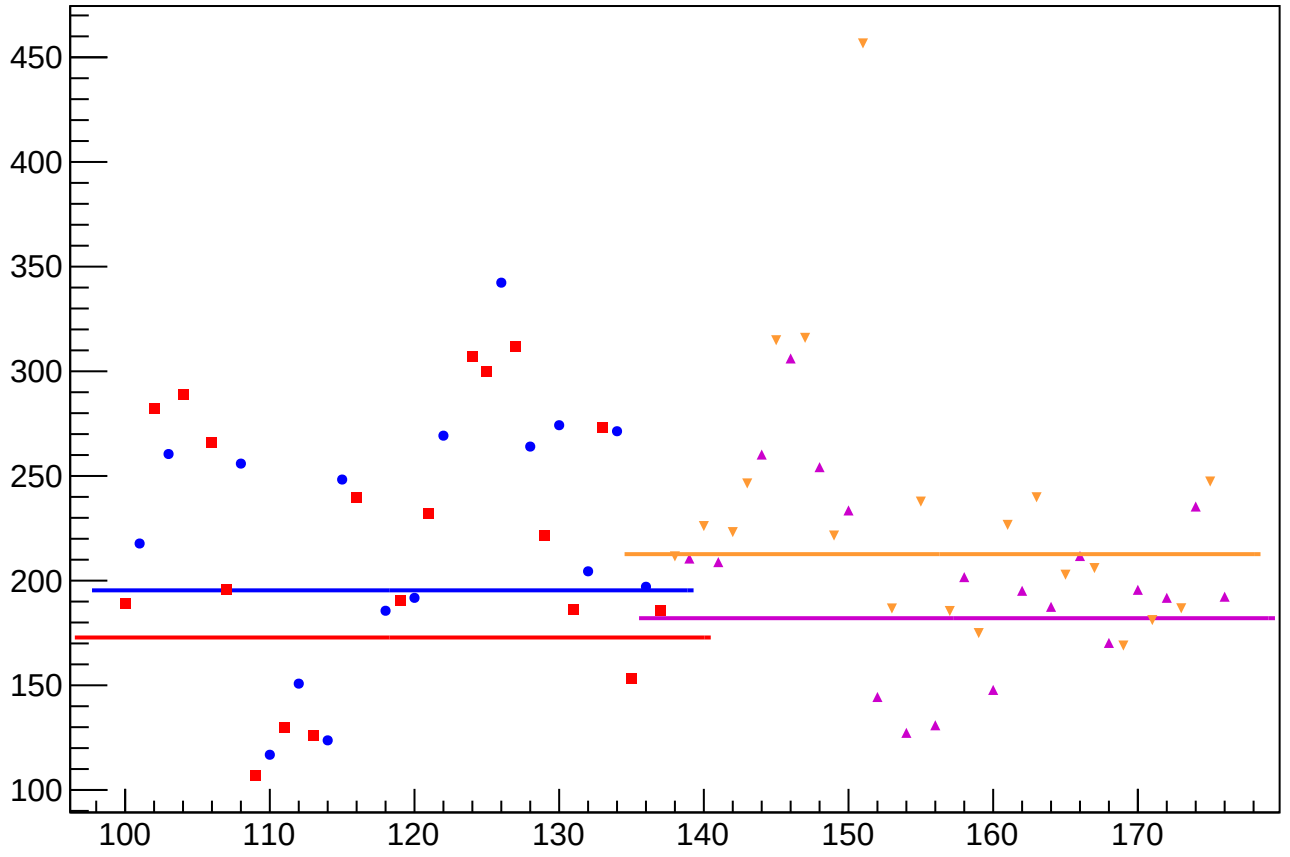
Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: -113.724+/-48.594 χ^2/NDF:6.3/18

+ sign 77.390+/-44.856 χ^2/NDF: 26.3/35

All: 17.340+/-29.711 χ^2/NDF: 56.4/73

- sign -29.597+/-39.658 χ^2/NDF: 26.9/37



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 212.656+/-0.039 χ^2/NDF:1245089.3/19

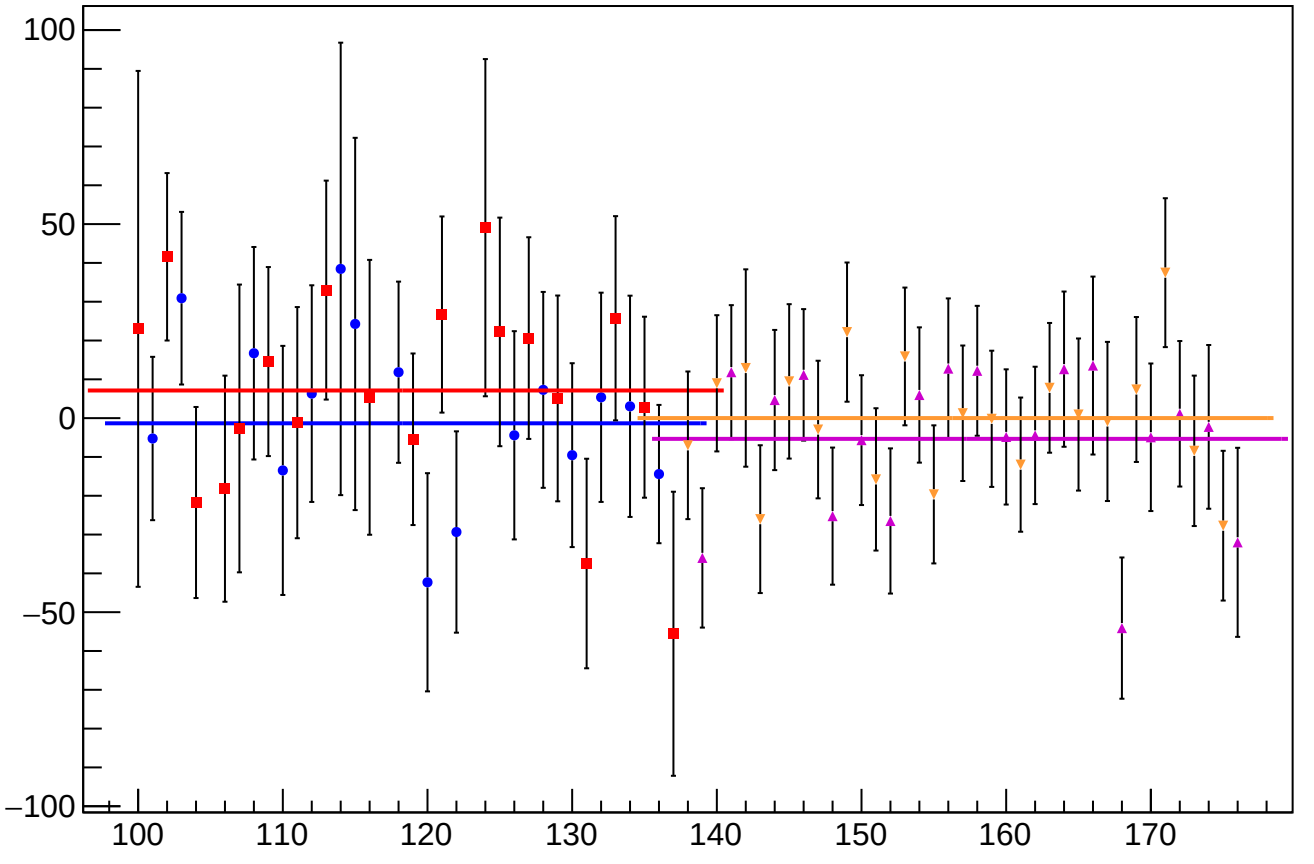
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 182.060+/-0.034 χ^2/NDF:1581063.9/18

+ sign 206.756+/-0.032 χ^2/NDF: 2353351.0/35

All: 191.166+/-0.021 χ^2/NDF: 6048331.3/73

- sign 178.980+/-0.028 χ^2/NDF: 3264555.8/37



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 0.016+/-4.159 χ^2/NDF:14.0/19

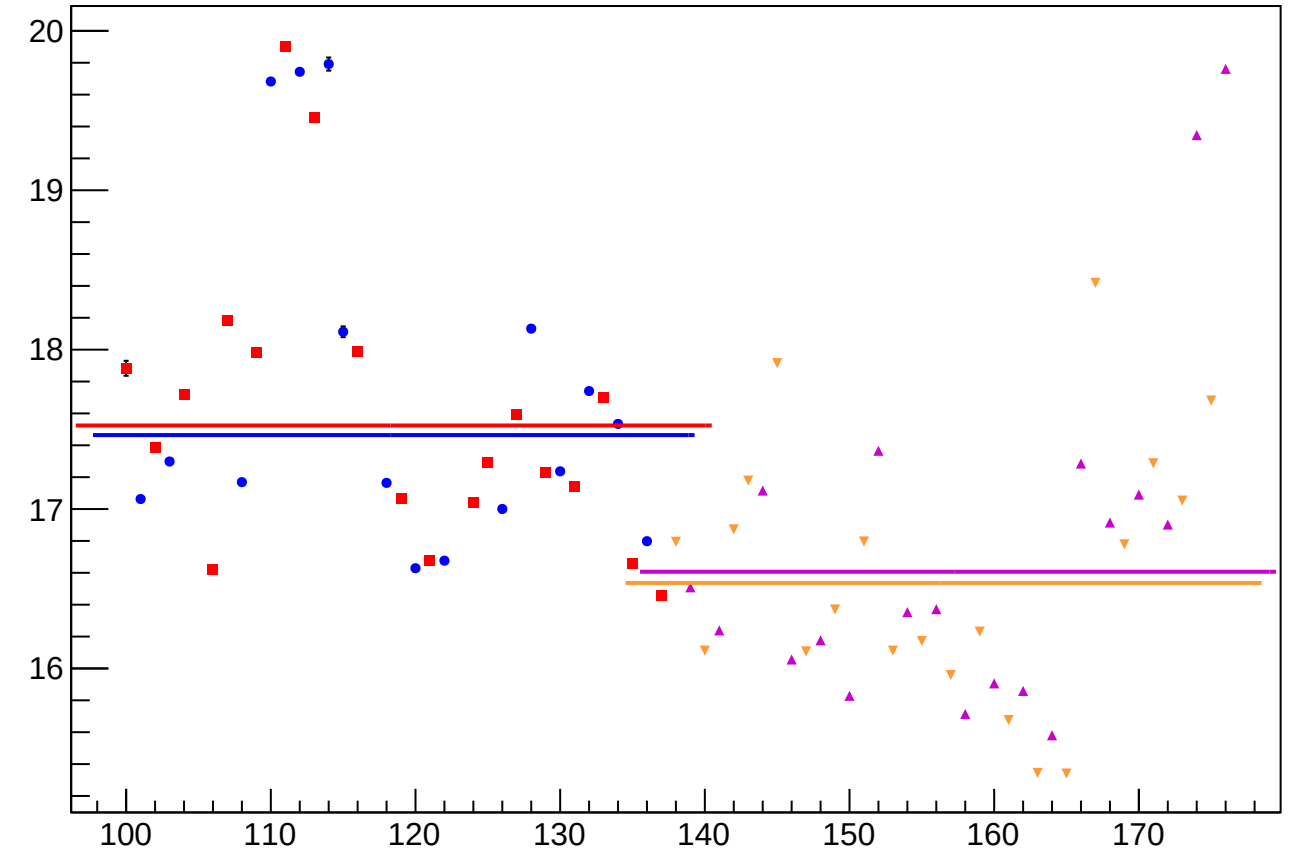
Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: -5.340+/-4.225 χ^2/NDF:20.2/18

\+ sign -0.375+/-3.503 χ^2/NDF: 22.1/35

All: -0.962+/-2.485 χ^2/NDF: 59.4/73

\- sign -1.557+/-3.526 χ^2/NDF: 37.3/37



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.537+/-0.003 χ^2/NDF:71593.9/19

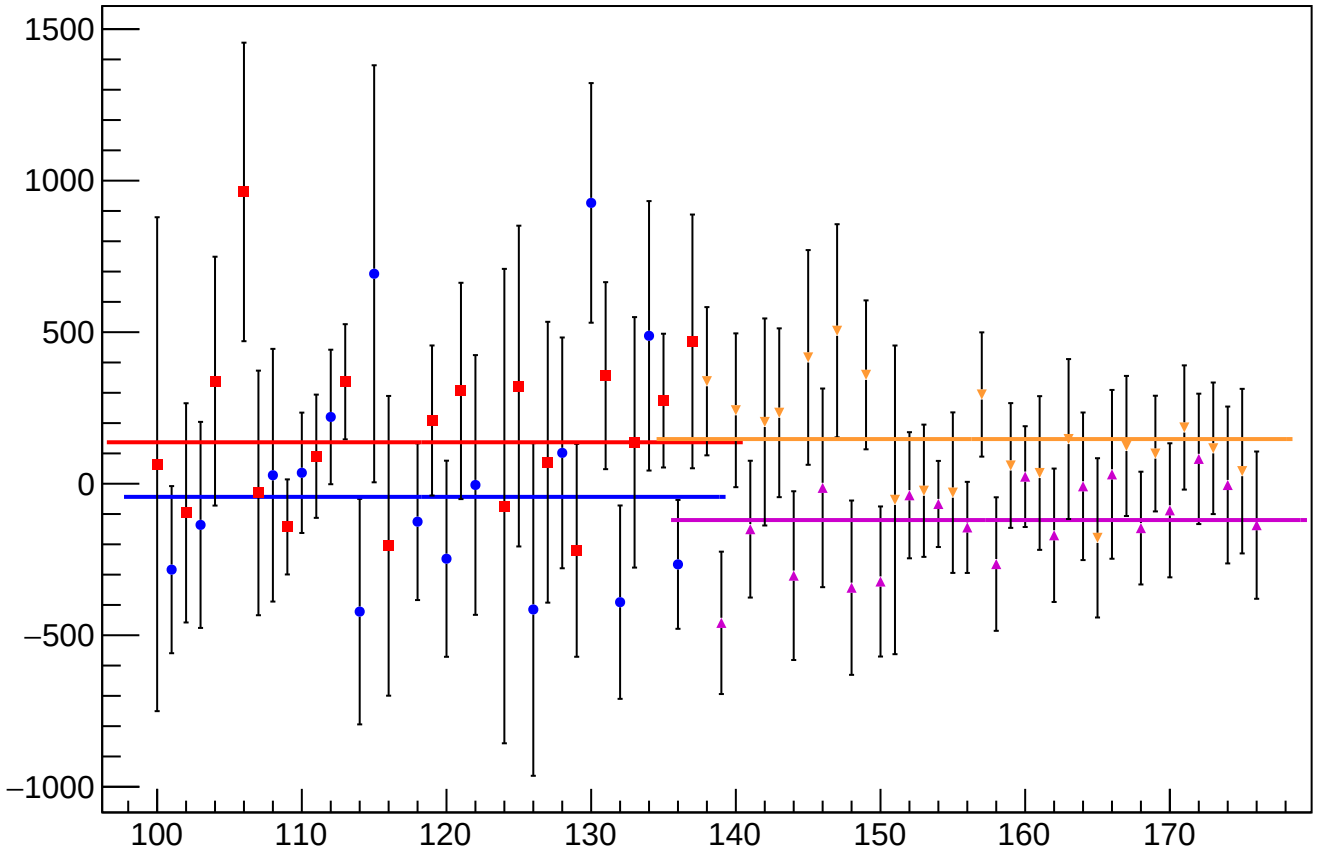
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.607+/-0.003 χ^2/NDF:103386.9/18

+ sign 16.806+/-0.002 χ^2/NDF: 137145.7/35

All: 16.845+/-0.002 χ^2/NDF: 304383.4/73

- sign 16.885+/-0.002 χ^2/NDF: 166733.1/37



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 147.350+/-55.728 χ^2/NDF:7.1/19

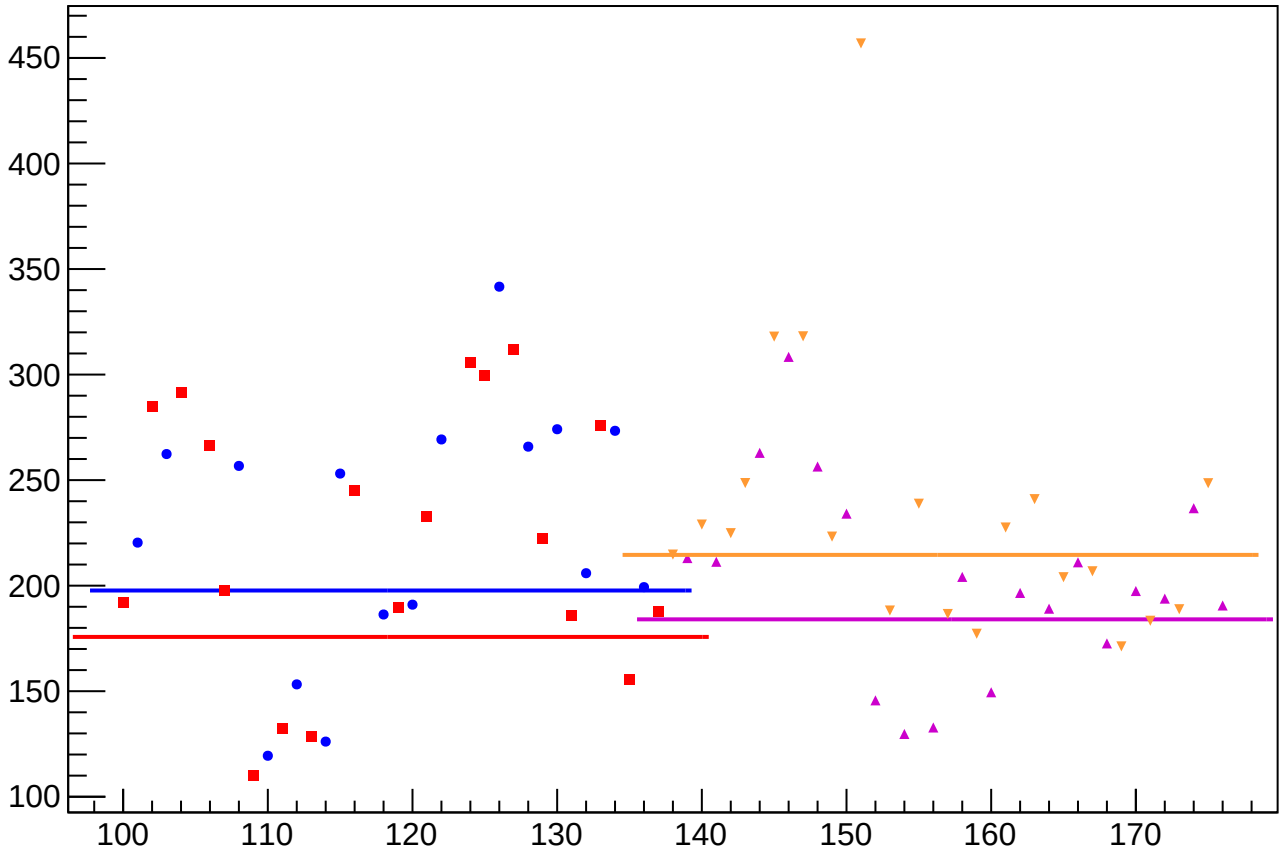
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -119.886+/-49.074 χ^2/NDF:7.1/18

+ sign 82.435+/-45.262 χ^2/NDF: 26.6/35

All: 16.872+/-30.014 χ^2/NDF: 58.1/73

- sign -34.586+/-40.099 χ^2/NDF: 27.7/37



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 214.576+/-0.039 χ^2/NDF:1226021.0/19

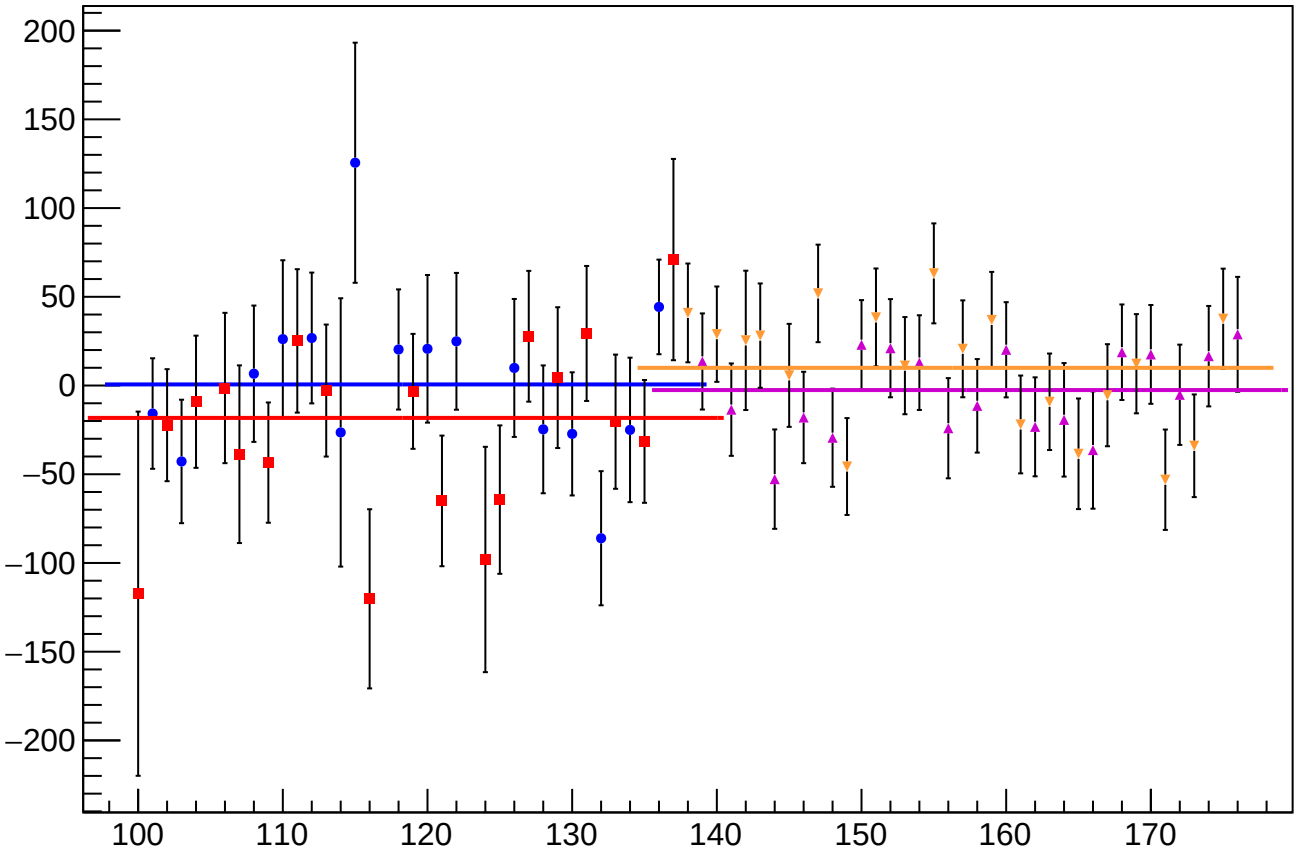
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 184.039+/-0.035 χ^2/NDF:1541633.2/18

+ sign 208.835+/-0.032 χ^2/NDF: 2288713.6/35

All: 193.393+/-0.021 χ^2/NDF: 5855536.9/73

- sign 181.273+/-0.028 χ^2/NDF: 3151312.8/37



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 9.983+/-6.345 χ^2/NDF:27.3/19

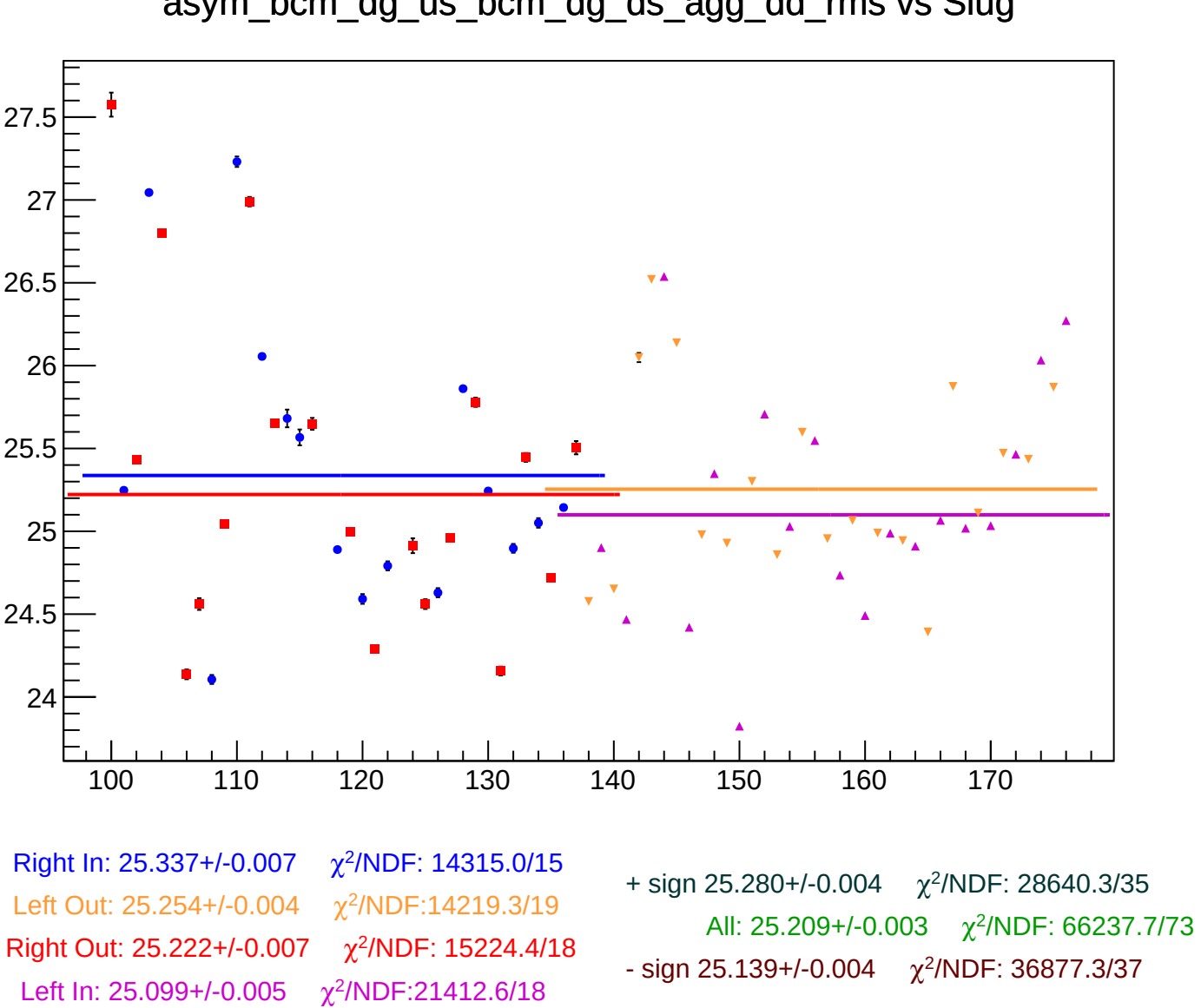
Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

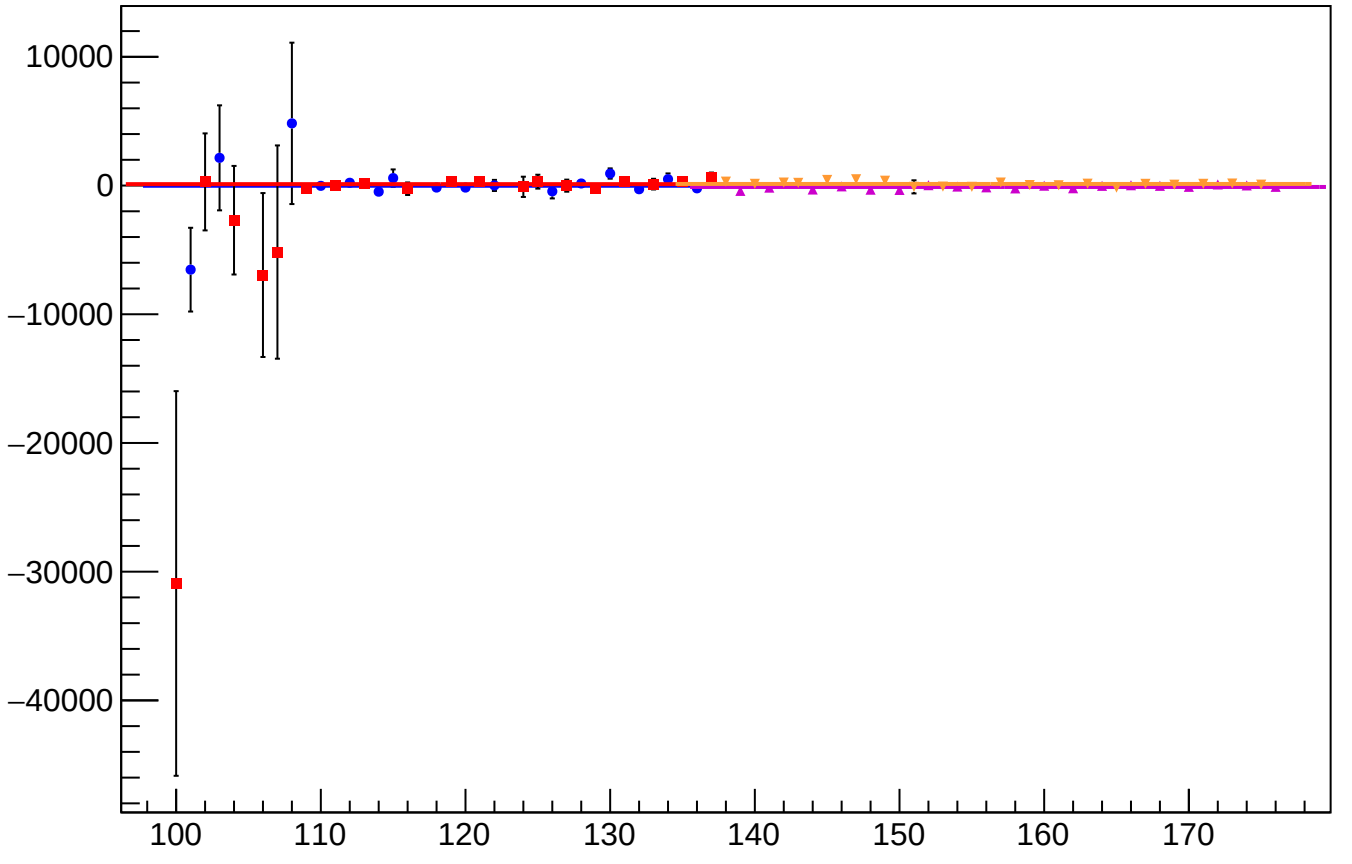
Left In: -2.562+/-6.375 χ^2/NDF:13.0/18

+ sign 7.061+/-5.263 χ^2/NDF: 44.8/35

All: -0.322+/-3.714 χ^2/NDF: 81.6/73

- sign -7.644+/-5.242 χ^2/NDF: 32.9/37


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug
27.5
27
26.5
26
25.5
25
24.5
24
100
110
120
130
140
150
160
170
Right In: 25.337+/-0.007 χ²/NDF: 14315.0/15
Left Out: 25.254+/-0.004 χ²/NDF:14219.3/19
Right Out: 25.222+/-0.007 χ²/NDF: 15224.4/18
Left In: 25.099+/-0.005 χ²/NDF:21412.6/18
+ sign 25.280+/-0.004 χ²/NDF: 28640.3/35
All: 25.209+/-0.003 χ²/NDF: 66237.7/73
- sign 25.139+/-0.004 χ²/NDF: 36877.3/37



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 122.941+/-56.269 χ^2/NDF:7.2/19

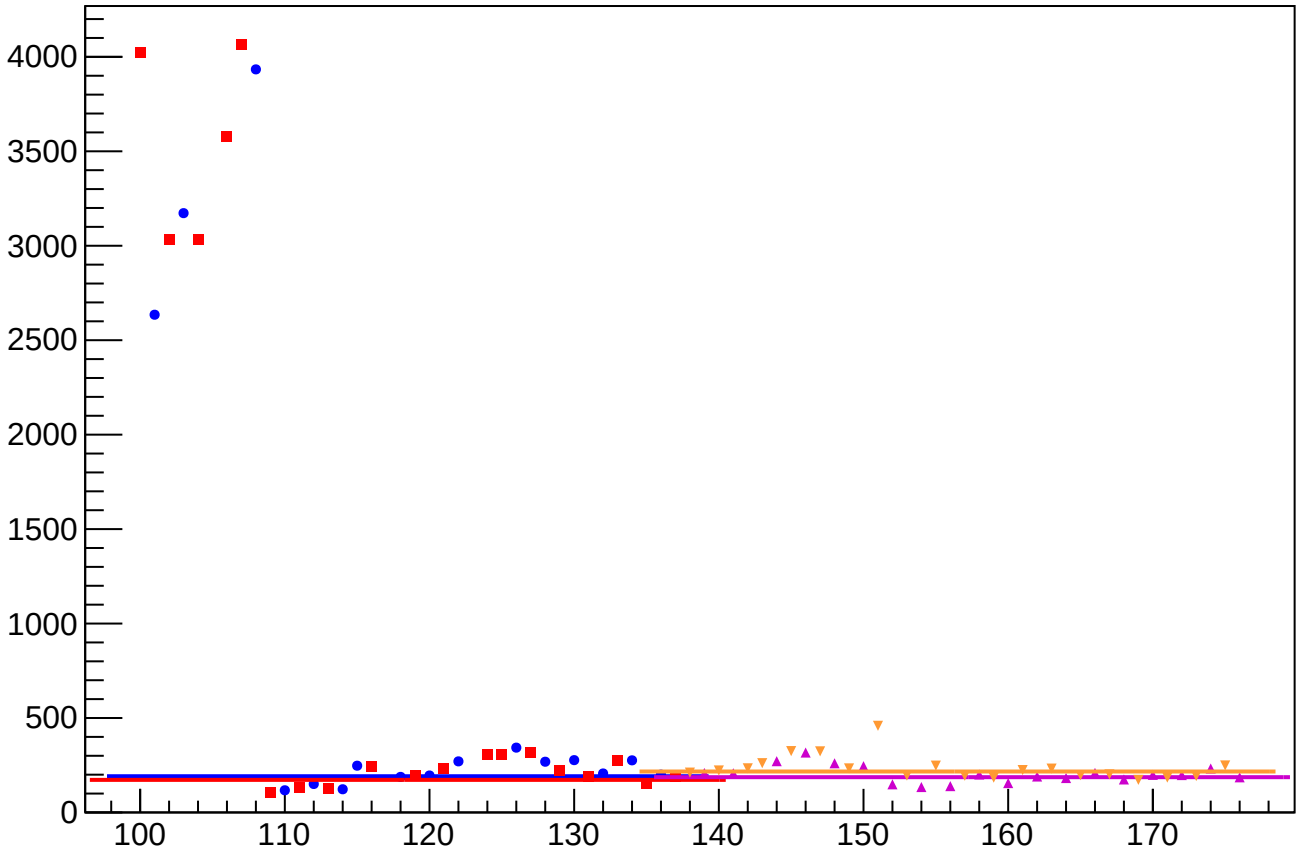
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -110.248+/-49.659 χ^2/NDF:6.5/18

+ sign 80.566+/-46.869 χ^2/NDF: 27.3/35

All: 9.573+/-31.239 χ^2/NDF: 57.6/73

- sign -47.177+/-41.905 χ^2/NDF: 26.2/37



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 216.791+/-0.040 χ^2/NDF:1215558.3/19

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

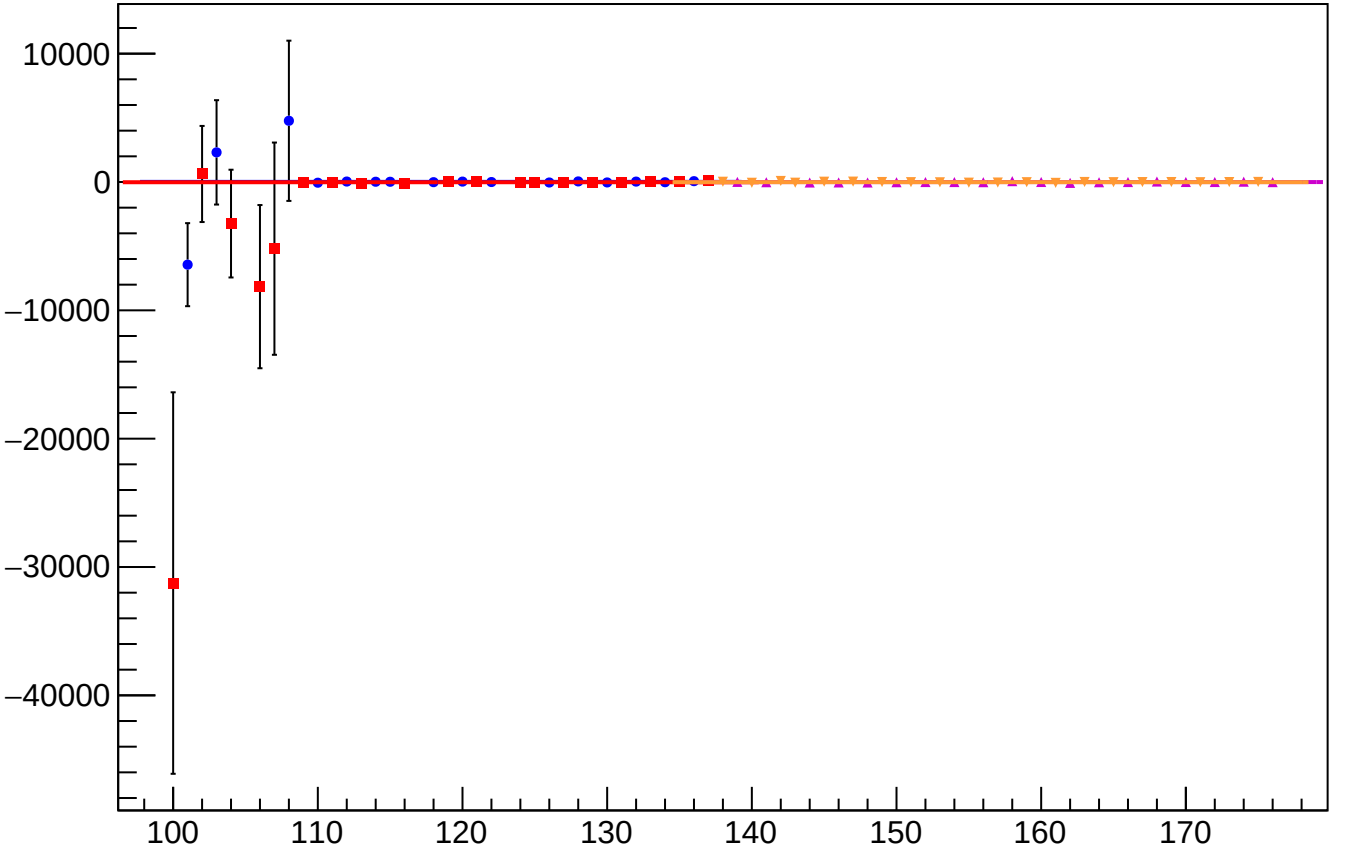
Left In: 186.739+/-0.035 χ^2/NDF:1405368.5/18

+ sign 209.119+/-0.033 χ^2/NDF: 5158779.9/35

All: 194.397+/-0.022 χ^2/NDF: 11269933.9/73

- sign 182.628+/-0.030 χ^2/NDF: 5756088.2/37

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: -12.849+/-7.233 χ^2/NDF:18.2/19

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

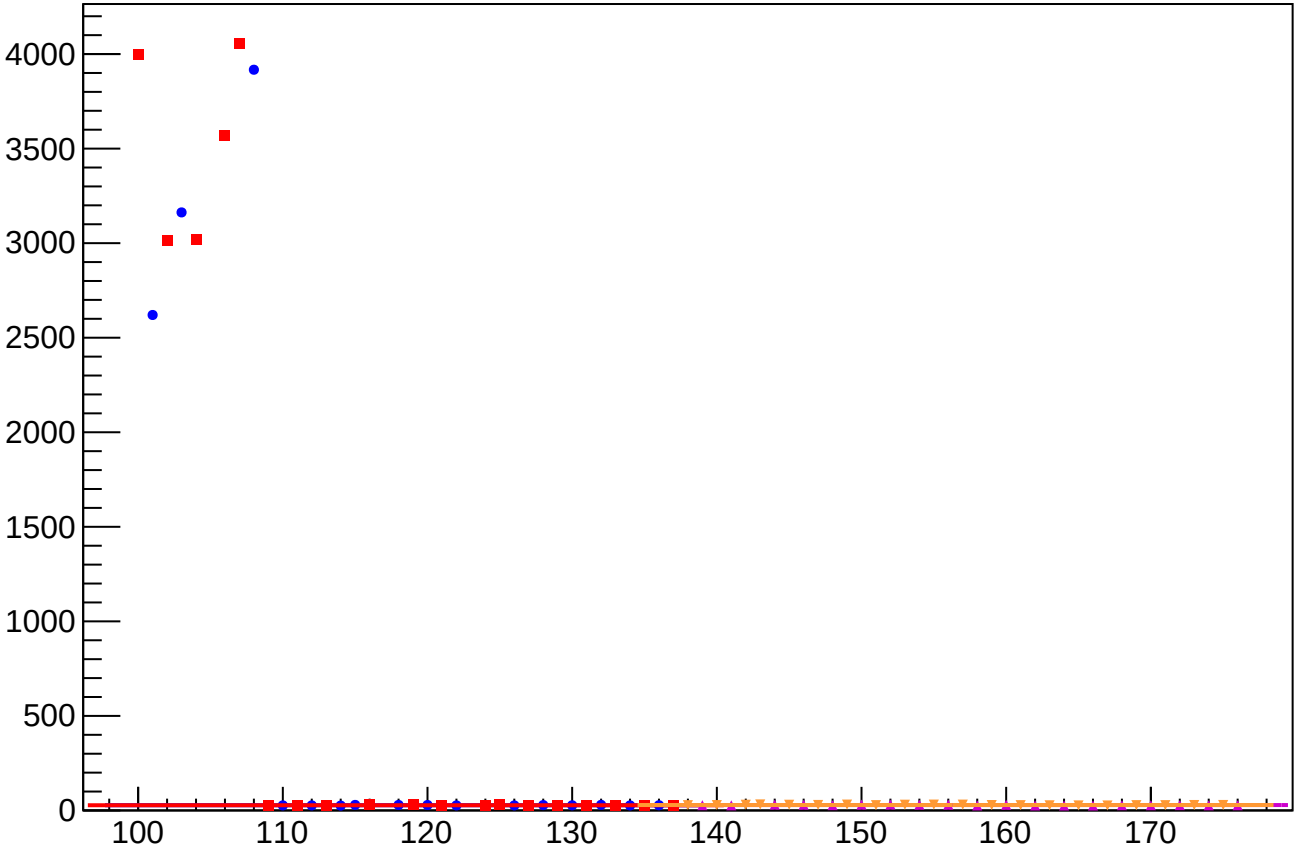
Left In: -5.298+/-7.276 χ^2/NDF:17.6/18

+ sign -6.636+/-6.150 χ^2/NDF: 36.9/35

All: -7.722+/-4.364 χ^2/NDF: 80.2/73

- sign -8.824+/-6.194 χ^2/NDF: 43.3/37

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: 28.731+/-0.005 χ^2/NDF:82369.4/19

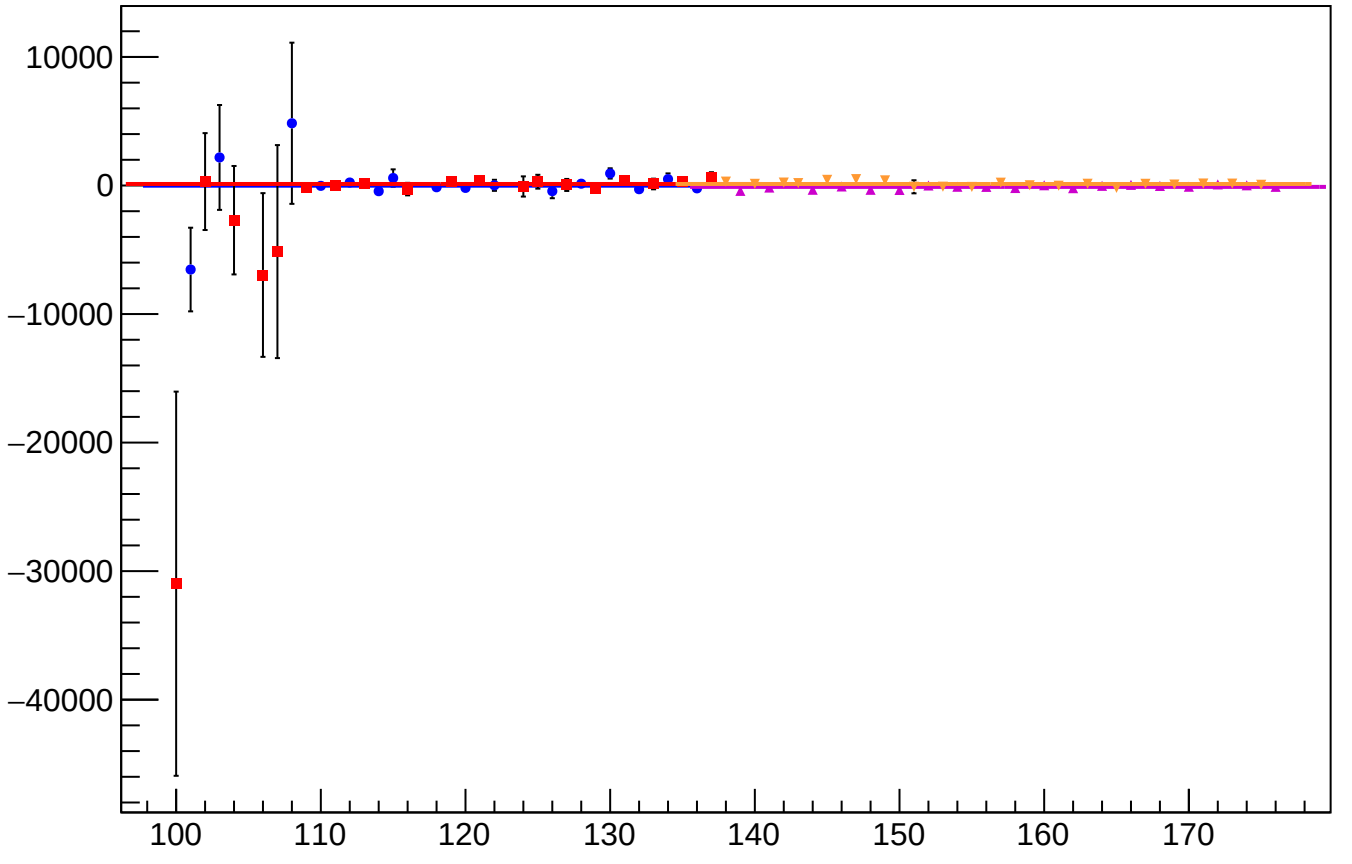
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.577+/-0.005 χ^2/NDF:115489.2/18

\+ sign 28.429+/-0.004 χ^2/NDF: 3360424.3/35

All: 28.360+/-0.003 χ^2/NDF: 7042948.7/73

\- sign 28.290+/-0.004 χ^2/NDF: 3682018.4/37



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 117.096+/-56.151 χ^2/NDF:7.9/19

Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

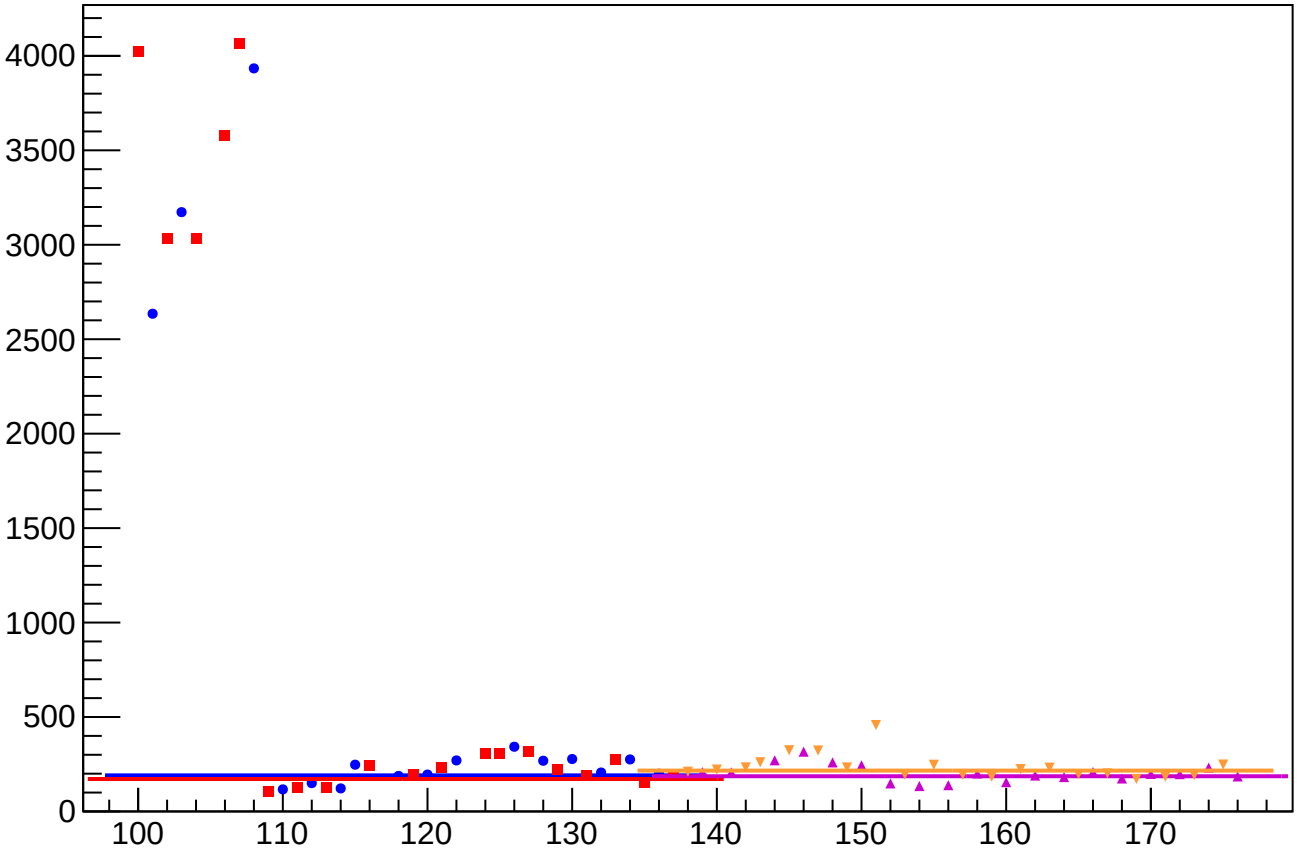
Left In: -107.674+/-49.562 χ^2/NDF:6.7/18

\+ sign 77.167+/-46.759 χ^2/NDF: 27.9/35

All: 10.622+/-31.168 χ^2/NDF: 58.7/73

\- sign -42.583+/-41.810 χ^2/NDF: 27.2/37

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: 216.340+/-0.040 χ^2/NDF:1214993.0/19

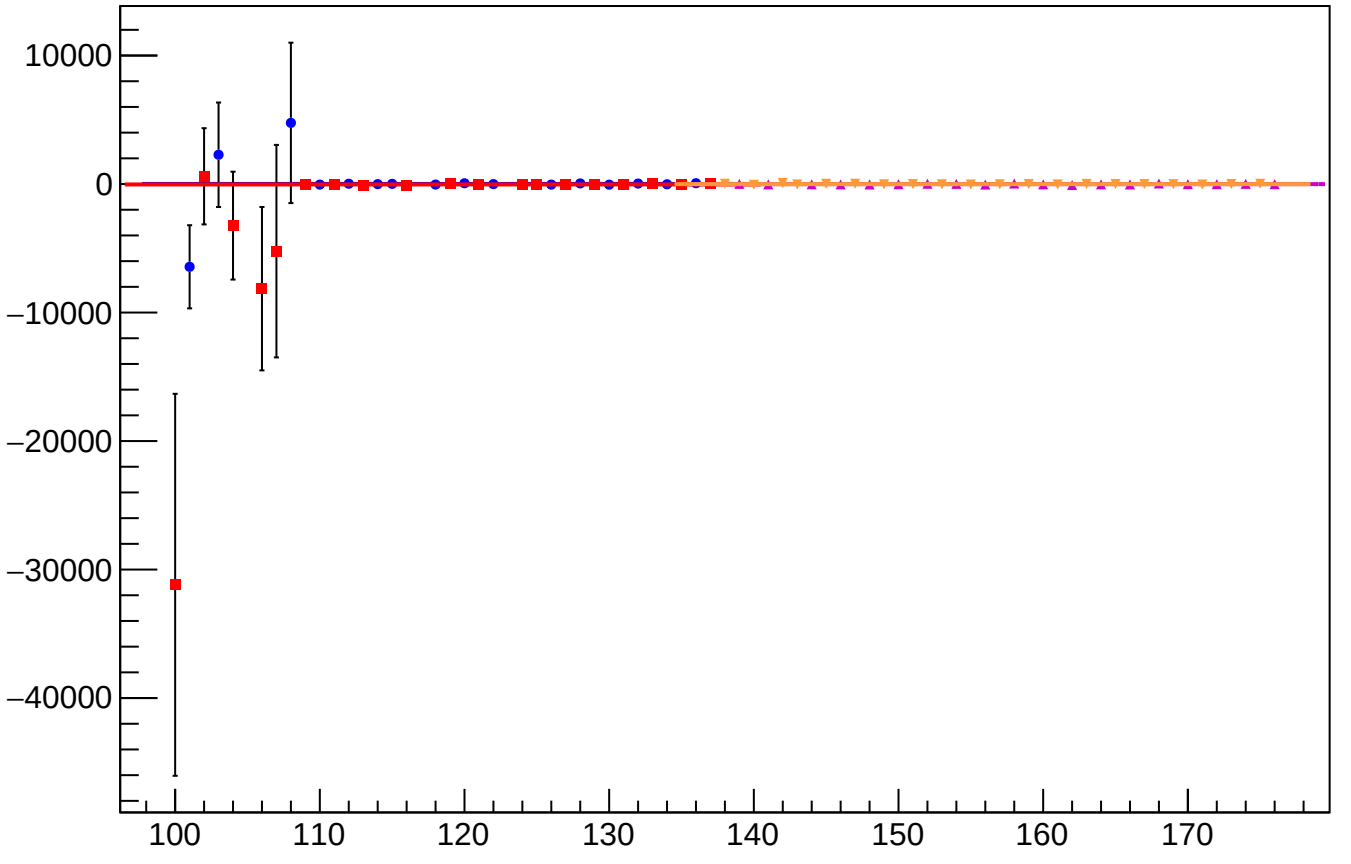
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 186.378+/-0.035 χ^2/NDF:1404853.8/18

+ sign 208.594+/-0.033 χ^2/NDF: 5173118.5/35

All: 193.918+/-0.022 χ^2/NDF: 11296866.2/73

- sign 182.185+/-0.030 χ^2/NDF: 5769230.6/37



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.114+/-7.281 χ^2/NDF:13.0/19

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

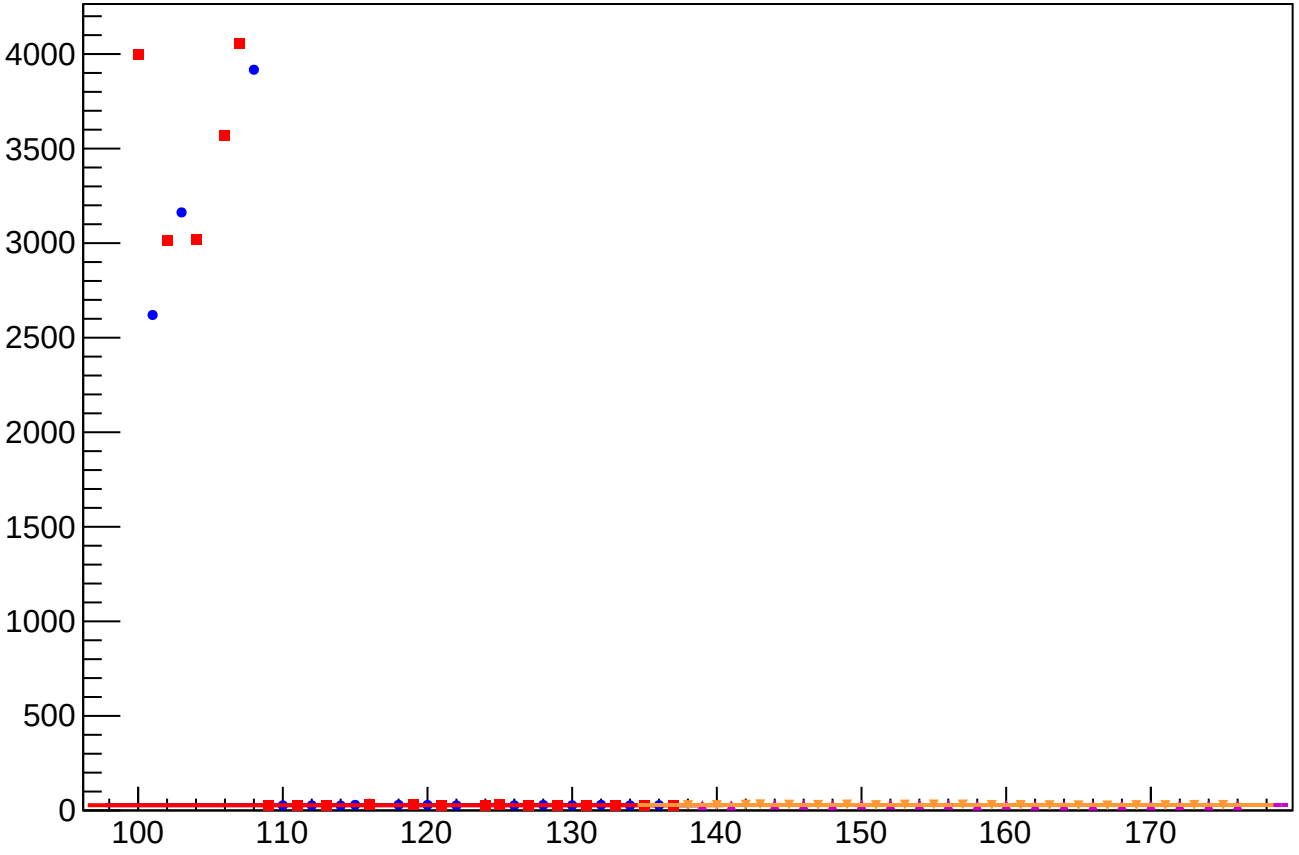
Left In: -6.672+/-7.312 χ^2/NDF:16.7/18

\+ sign -4.069+/-6.191 χ^2/NDF: 32.4/35

All: -8.669+/-4.391 χ^2/NDF: 73.1/73

\- sign -13.328+/-6.230 χ^2/NDF: 39.6/37

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: 28.913+/-0.005 χ^2/NDF:88561.6/19

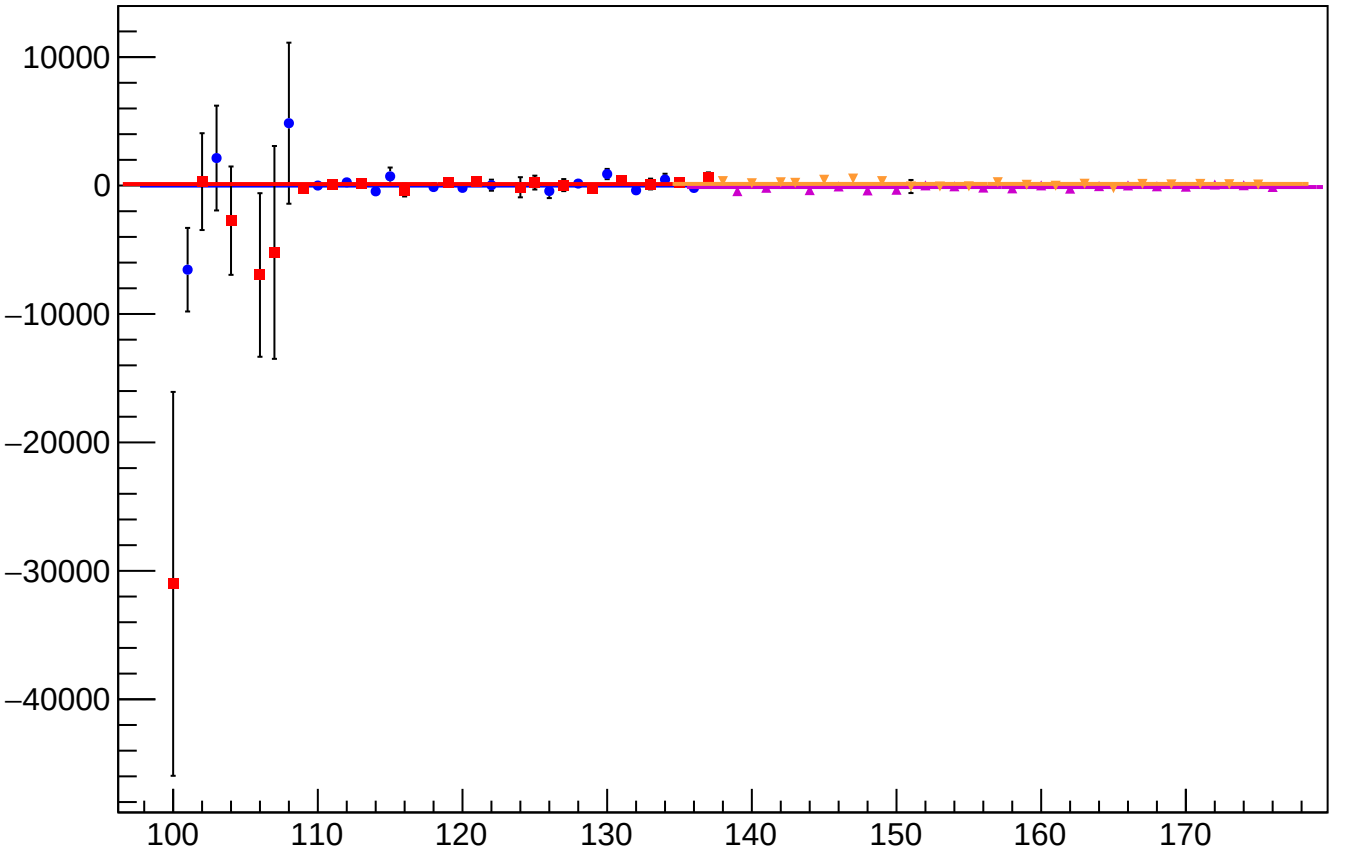
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.717+/-0.005 χ^2/NDF:119487.0/18

+ sign 28.612+/-0.004 χ^2/NDF: 3366839.6/35

All: 28.533+/-0.003 χ^2/NDF: 7055177.4/73

- sign 28.453+/-0.004 χ^2/NDF: 3687684.0/37



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 126.013+/-56.714 χ^2/NDF:7.8/19

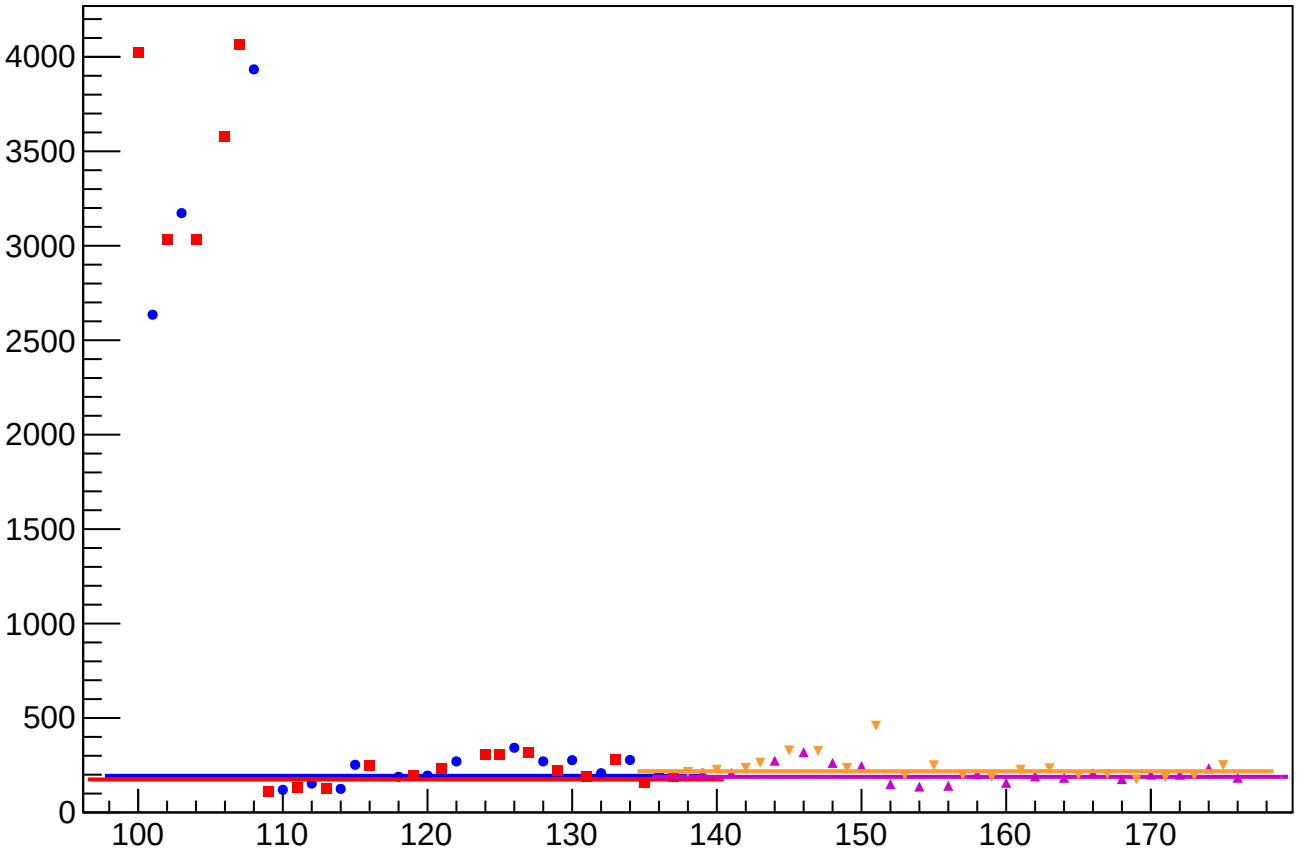
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -116.958+/-50.115 χ^2/NDF:7.3/18

+ sign 86.661+/-47.263 χ^2/NDF: 27.6/35

All: 10.729+/-31.524 χ^2/NDF: 59.5/73

- sign -50.125+/-42.311 χ^2/NDF: 27.2/37



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 218.615+/-0.040 χ^2/NDF:1200609.3/19

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

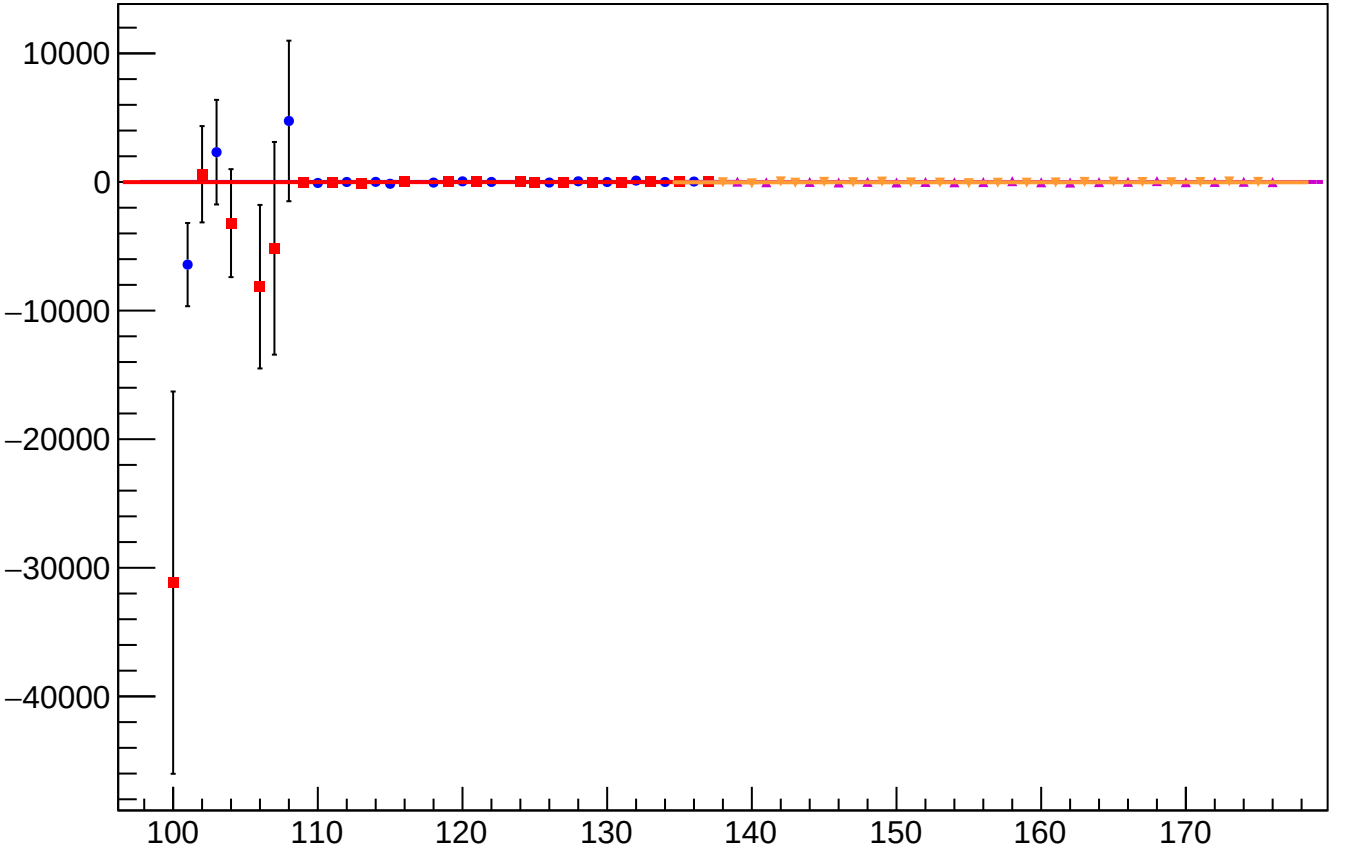
Left In: 188.608+/-0.035 χ^2/NDF:1373642.2/18

+ sign 211.078+/-0.033 χ^2/NDF: 5100678.1/35

All: 196.400+/-0.022 χ^2/NDF: 11124873.7/73

- sign 184.637+/-0.030 χ^2/NDF: 5676701.5/37

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: -22.963+/-8.690 χ^2/NDF:20.4/19

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

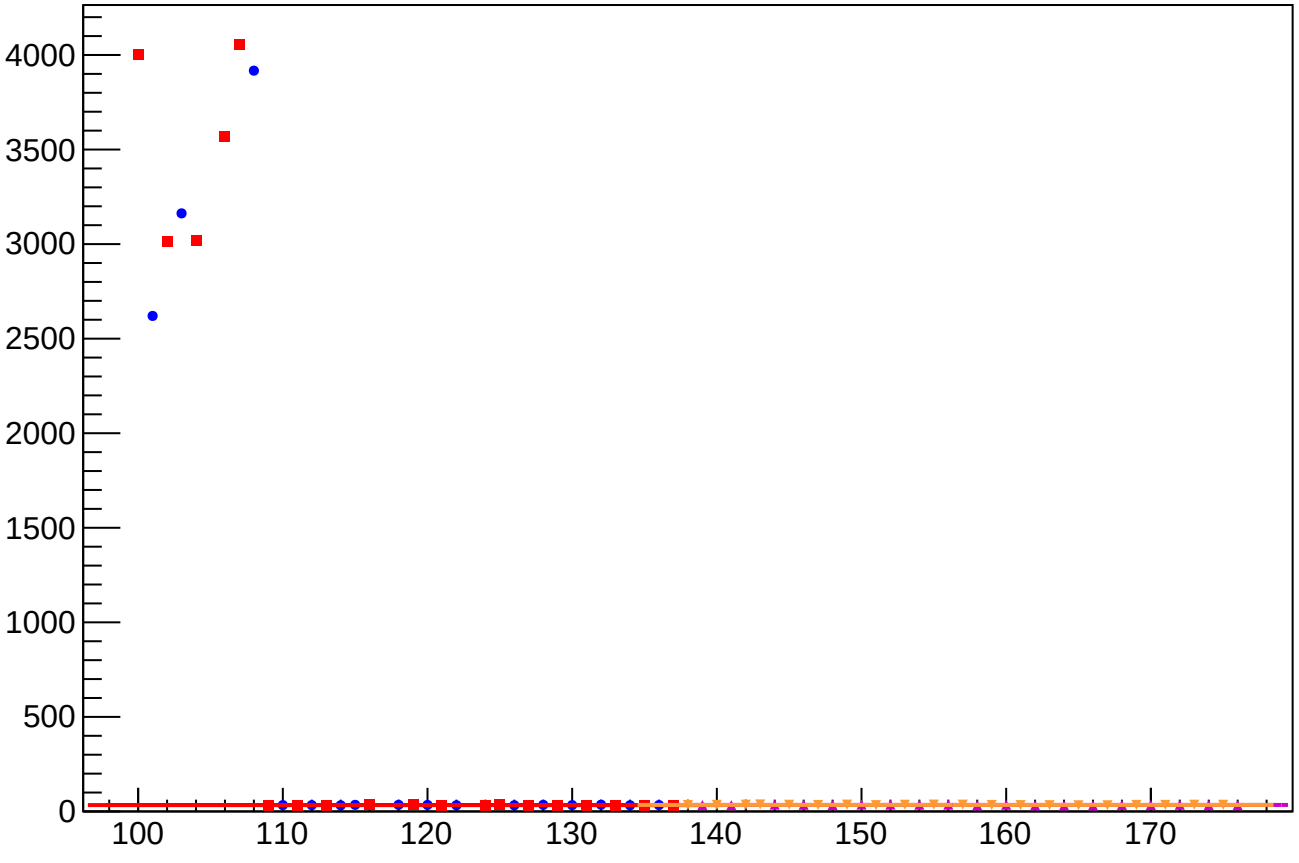
Left In: 2.814+/-8.752 χ^2/NDF:12.2/18

+ sign -15.248+/-7.427 χ^2/NDF: 40.8/35

All: -7.995+/-5.272 χ^2/NDF: 78.9/73

- sign -0.632+/-7.483 χ^2/NDF: 36.2/37

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: 34.567+/-0.006 χ^2/NDF:38711.7/19

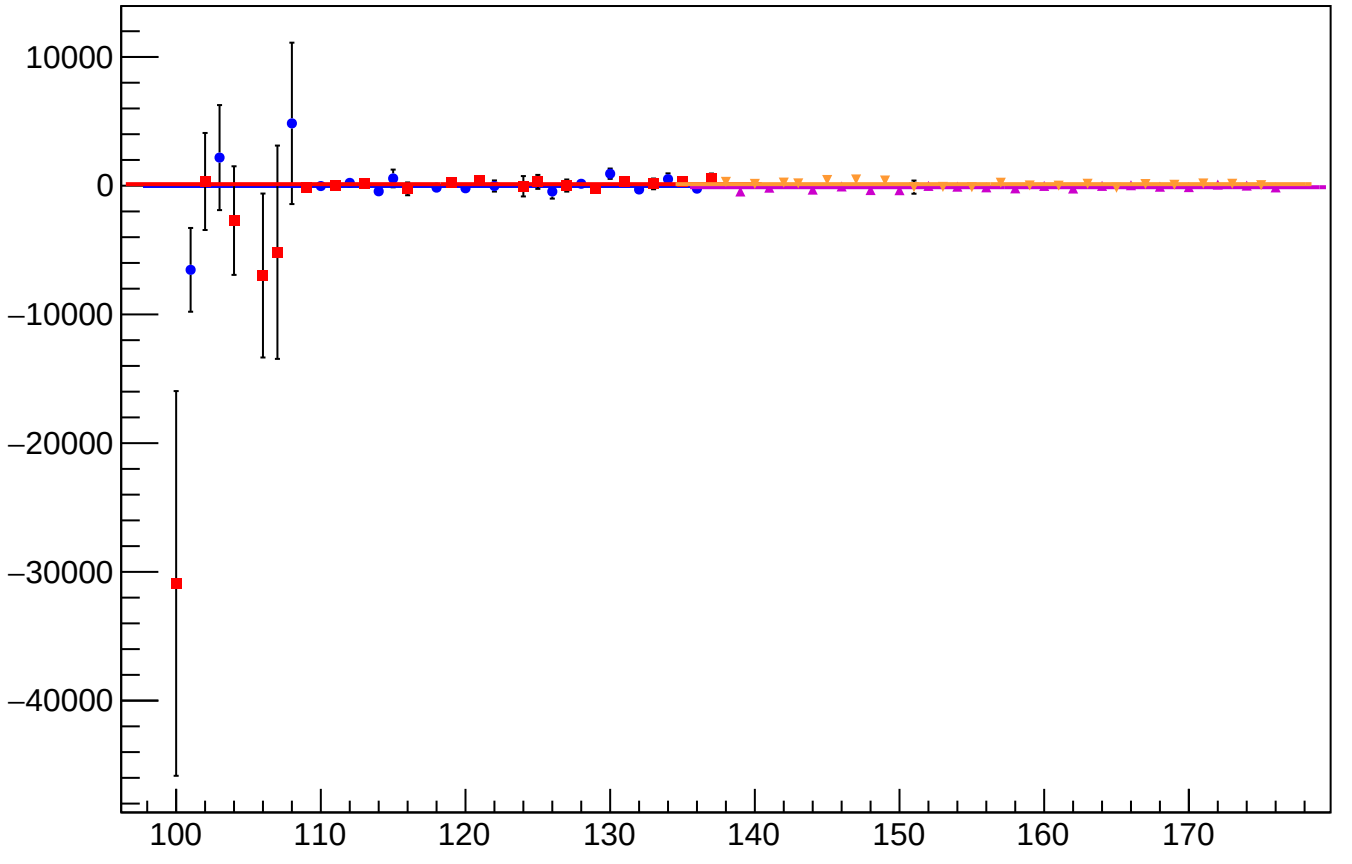
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.437+/-0.006 χ^2/NDF:51942.1/18

+ sign 34.387+/-0.005 χ^2/NDF: 3286274.0/35

All: 34.317+/-0.004 χ^2/NDF: 6868588.5/73

- sign 34.246+/-0.005 χ^2/NDF: 3581957.7/37



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 120.528+/-56.609 χ^2/NDF:7.7/19

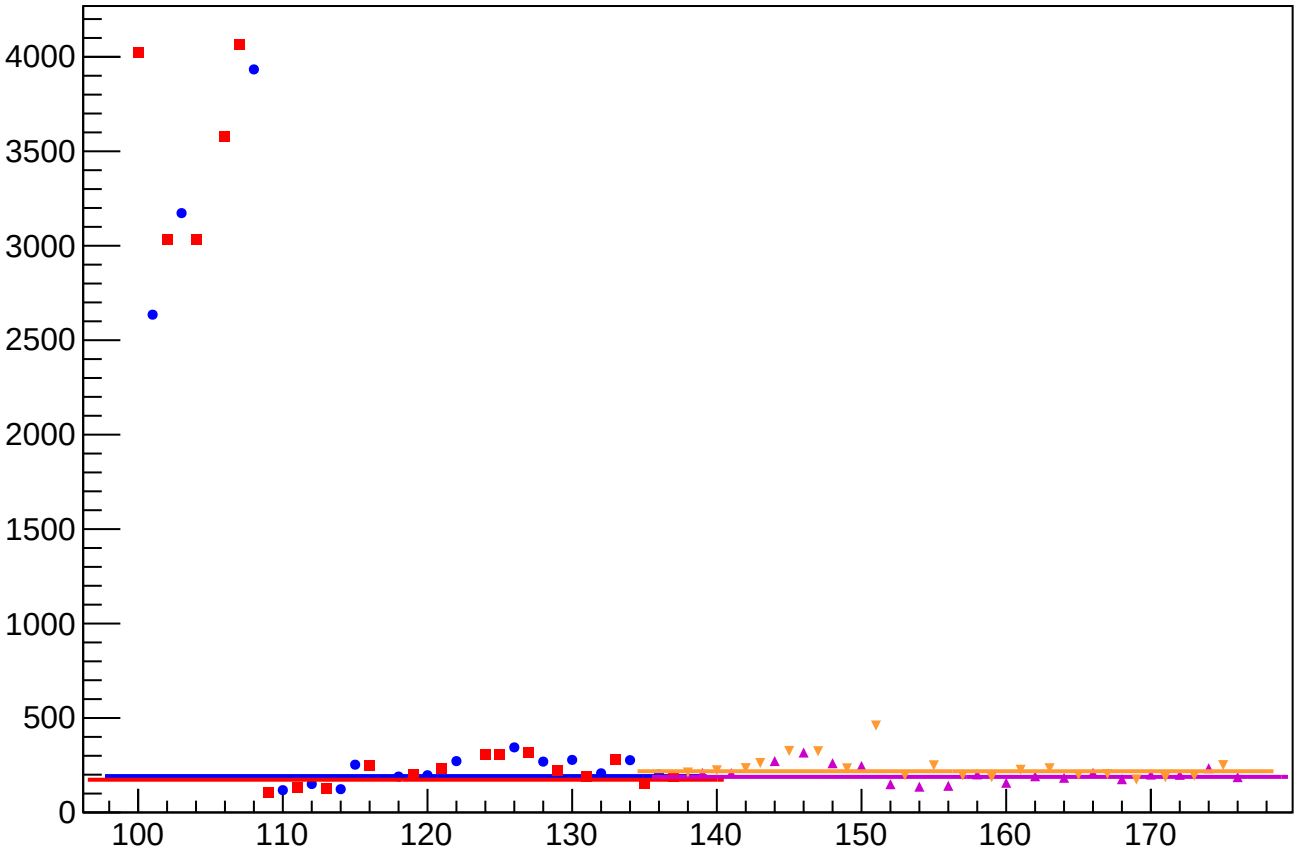
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -117.452+/-50.032 χ^2/NDF:6.6/18

+ sign 77.541+/-47.127 χ^2/NDF: 27.8/35

All: 7.386+/-31.432 χ^2/NDF: 58.1/73

- sign -48.825+/-42.184 χ^2/NDF: 26.4/37



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 218.204+/-0.040 χ^2/NDF:1195814.0/19

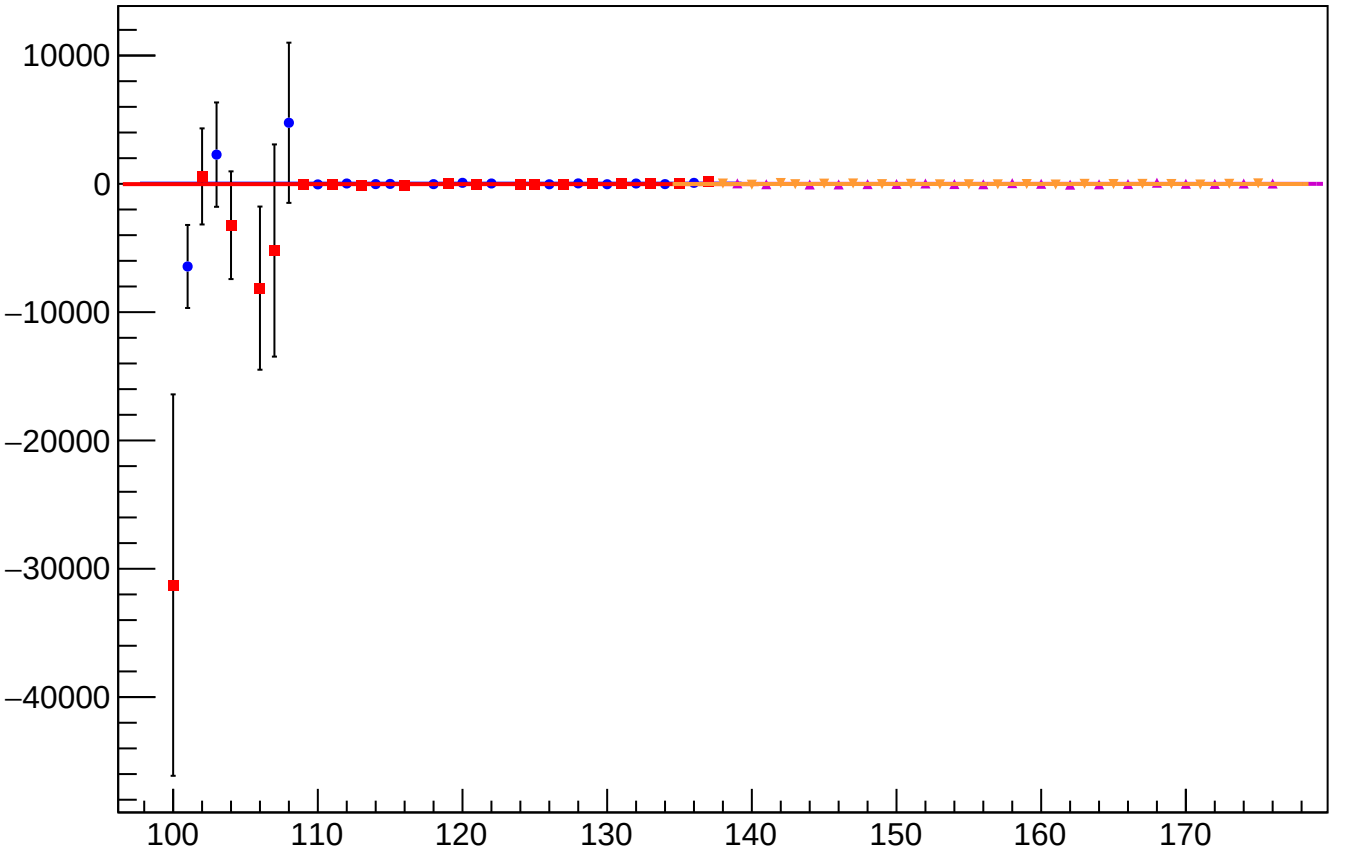
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 188.299+/-0.035 χ^2/NDF:1364198.0/18

+ sign 210.333+/-0.033 χ^2/NDF: 5144583.8/35

All: 195.685+/-0.022 χ^2/NDF: 11216572.4/73

- sign 183.948+/-0.030 χ^2/NDF: 5723936.9/37



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -13.572+/-7.872 χ^2/NDF:15.1/19

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

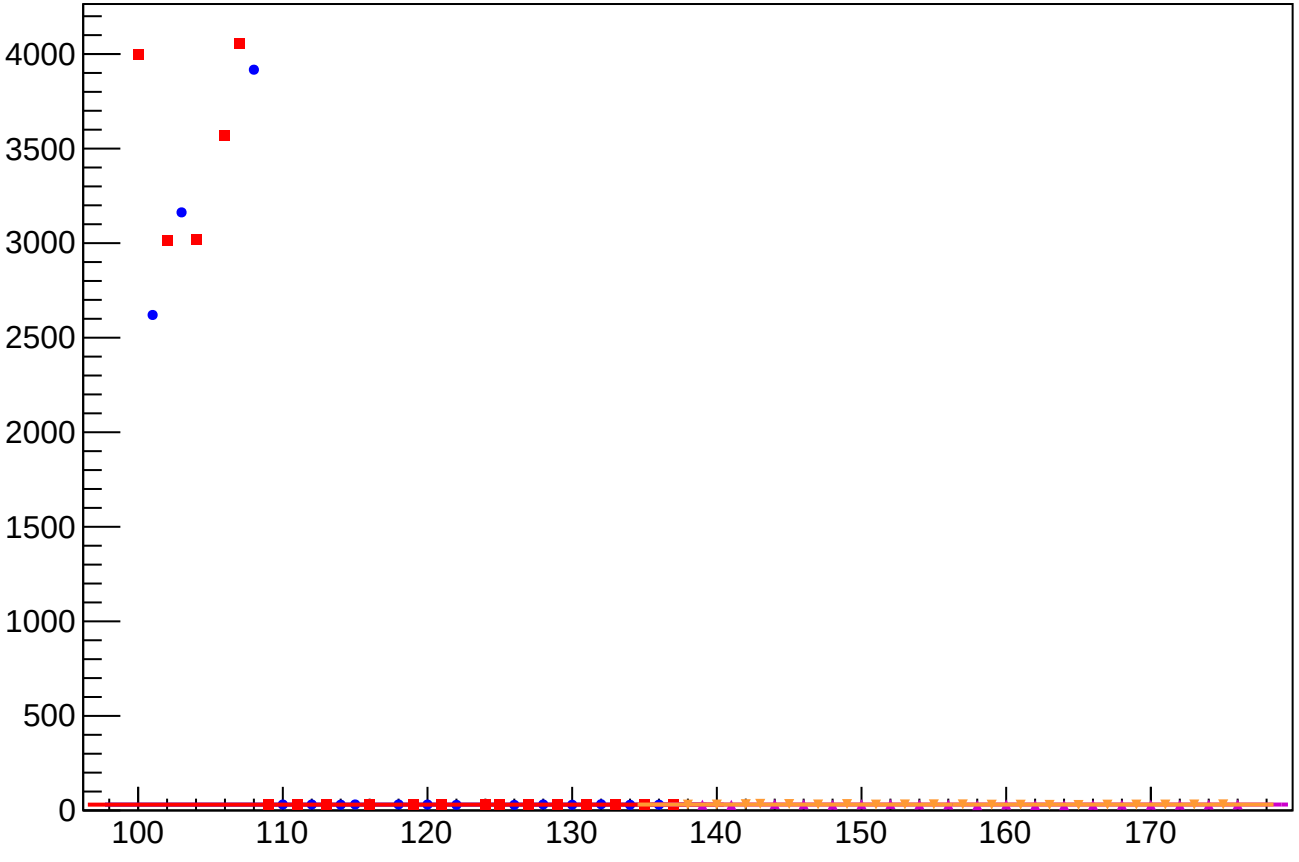
Left In: -0.155+/-7.958 χ^2/NDF:23.7/18

\+ sign -6.303+/-6.742 χ^2/NDF: 33.8/35

All: -6.311+/-4.792 χ^2/NDF: 88.4/73

\- sign -6.319+/-6.812 χ^2/NDF: 54.6/37

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.285+/-0.006 χ^2/NDF:59456.2/19

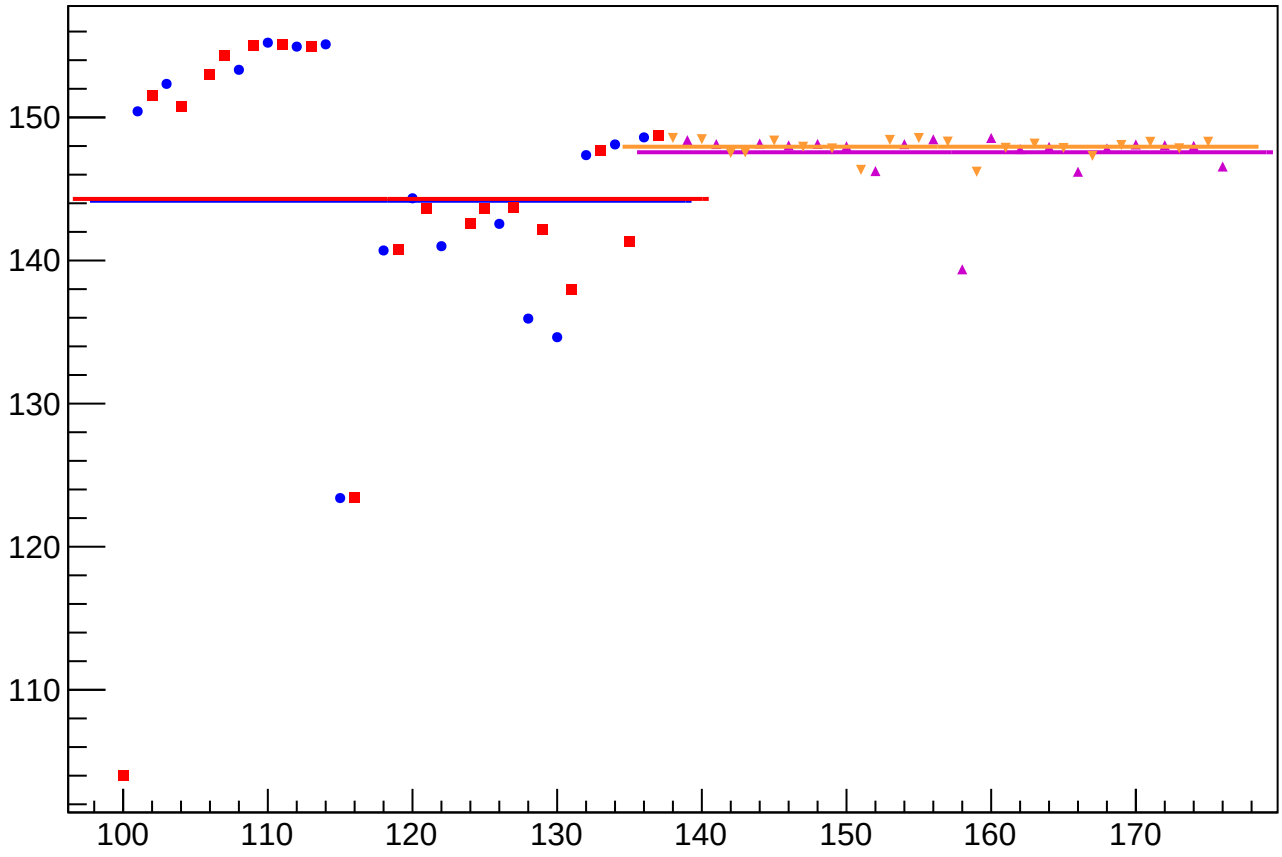
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.277+/-0.006 χ^2/NDF:80577.4/18

+ sign 31.190+/-0.005 χ^2/NDF: 3313158.5/35

All: 31.167+/-0.003 χ^2/NDF: 6932127.4/73

- sign 31.143+/-0.005 χ^2/NDF: 3618921.5/37



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:34573313.2/19

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

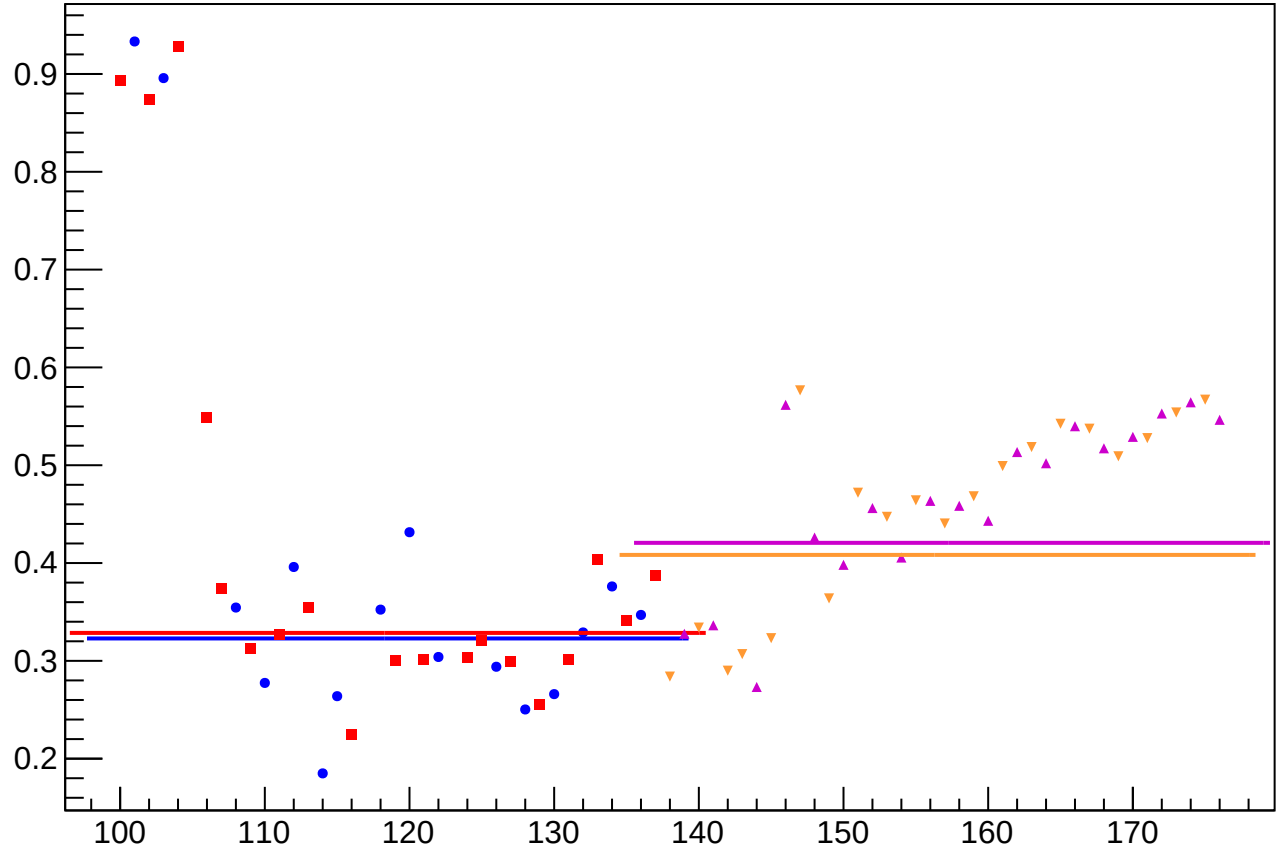
Left In: 147.565+/-0.000 χ^2/NDF:292668869.4/18

+ sign 146.453+/-0.000 χ^2/NDF: 4250148635.3/35

All: 146.340+/-0.000 χ^2/NDF: 9164061156.5

- sign 146.222+/-0.000 χ^2/NDF: 4910160186.3/37

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.408+/-0.000 χ^2/NDF:1710979.1/19

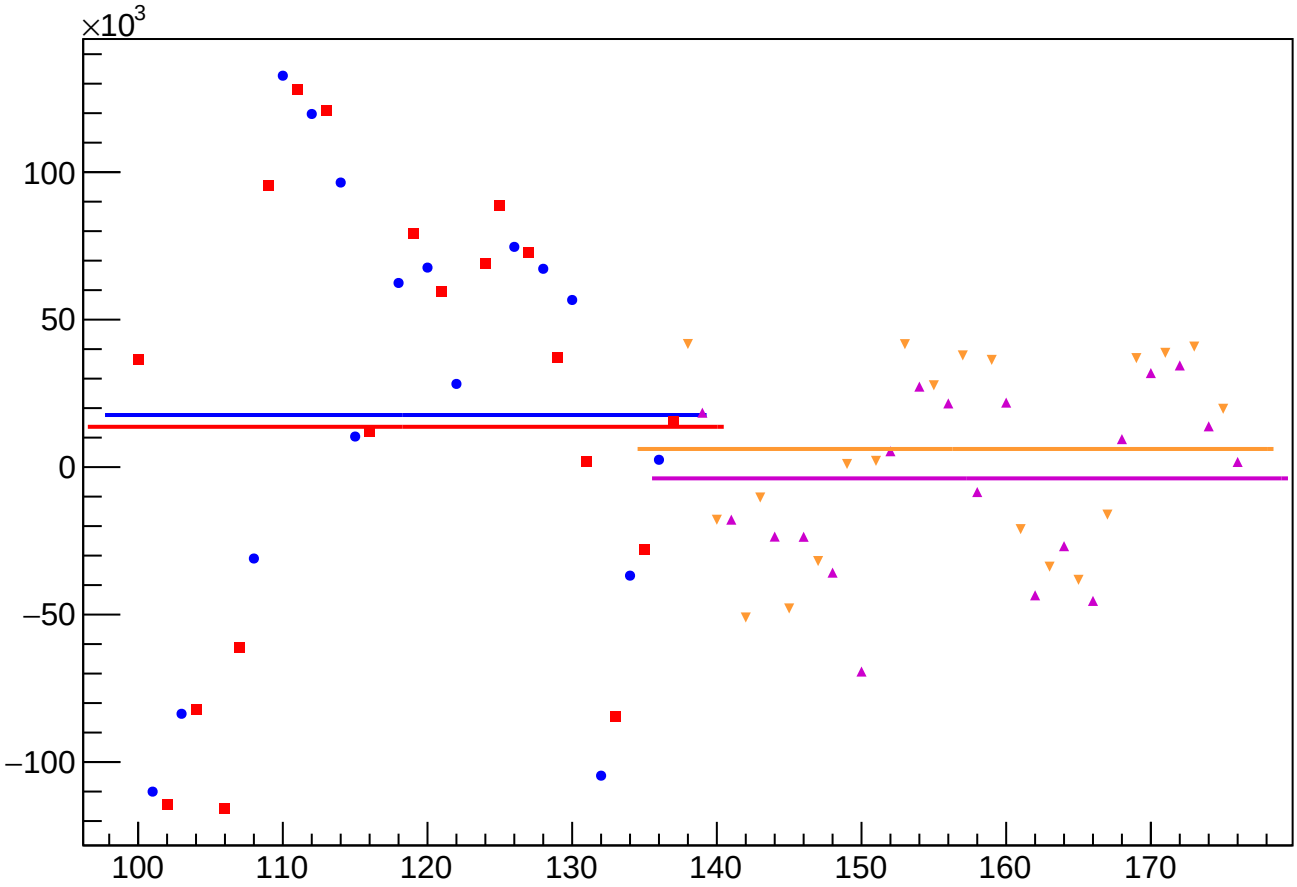
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.421+/-0.000 χ^2/NDF:1428187.8/18

+ sign 0.374+/-0.000 χ^2/NDF: 3609215.0/35

All: 0.378+/-0.000 χ^2/NDF: 6914561.6/73

- sign 0.383+/-0.000 χ^2/NDF: 3295593.9/37



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 6149.890+/-1.218 χ^2/NDF:675272590.3/19

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

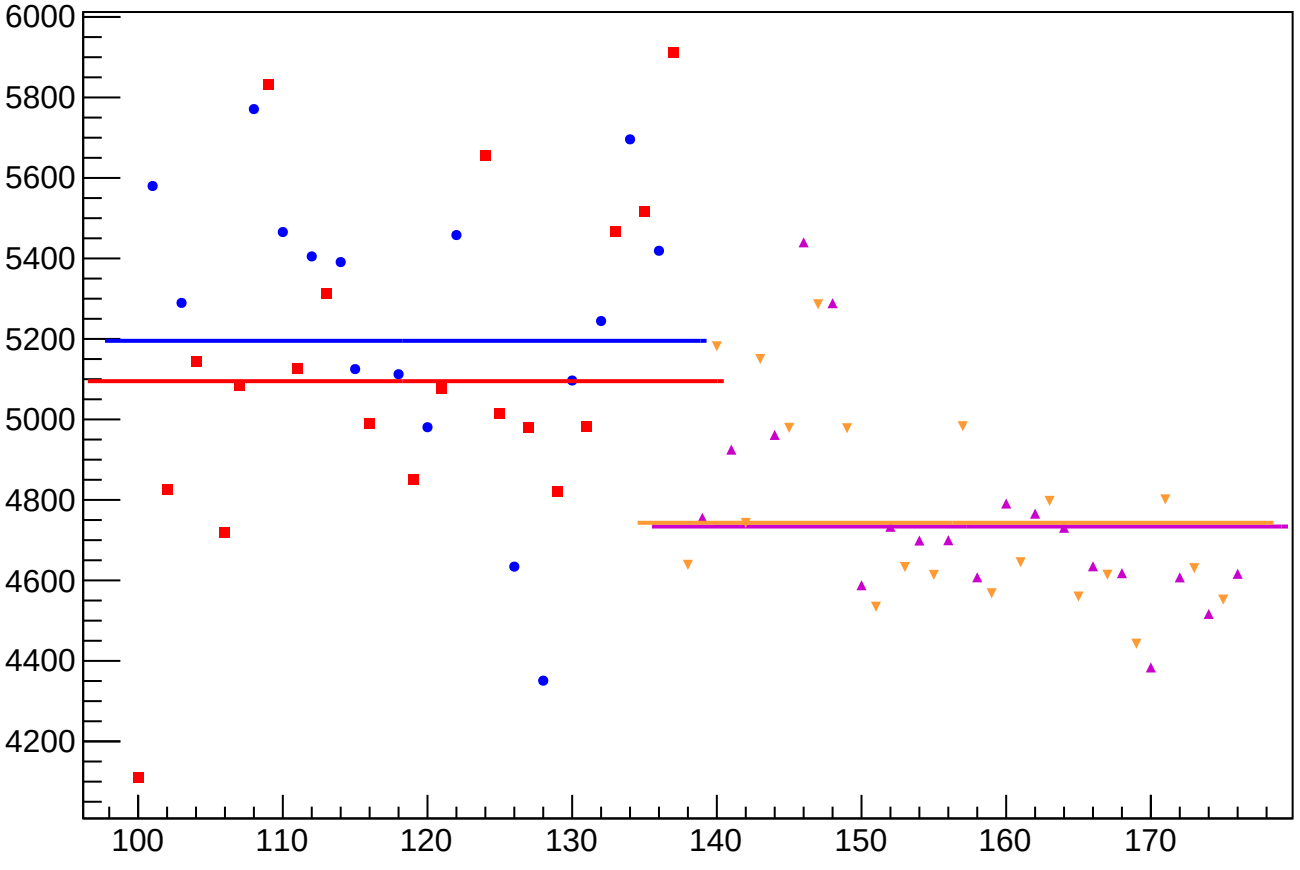
Left In: -3819.352+/-1.229 χ^2/NDF:581698690.0/18

+ sign 9252.565+/-1.041 χ^2/NDF: 2098089569.7/35

All: 5226.886+/-0.734 χ^2/NDF: 4625129676.

- sign 1242.711+/-1.036 χ^2/NDF: 2497289651.8/37

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4743.191+/-0.861 χ^2/NDF:71167.9/19

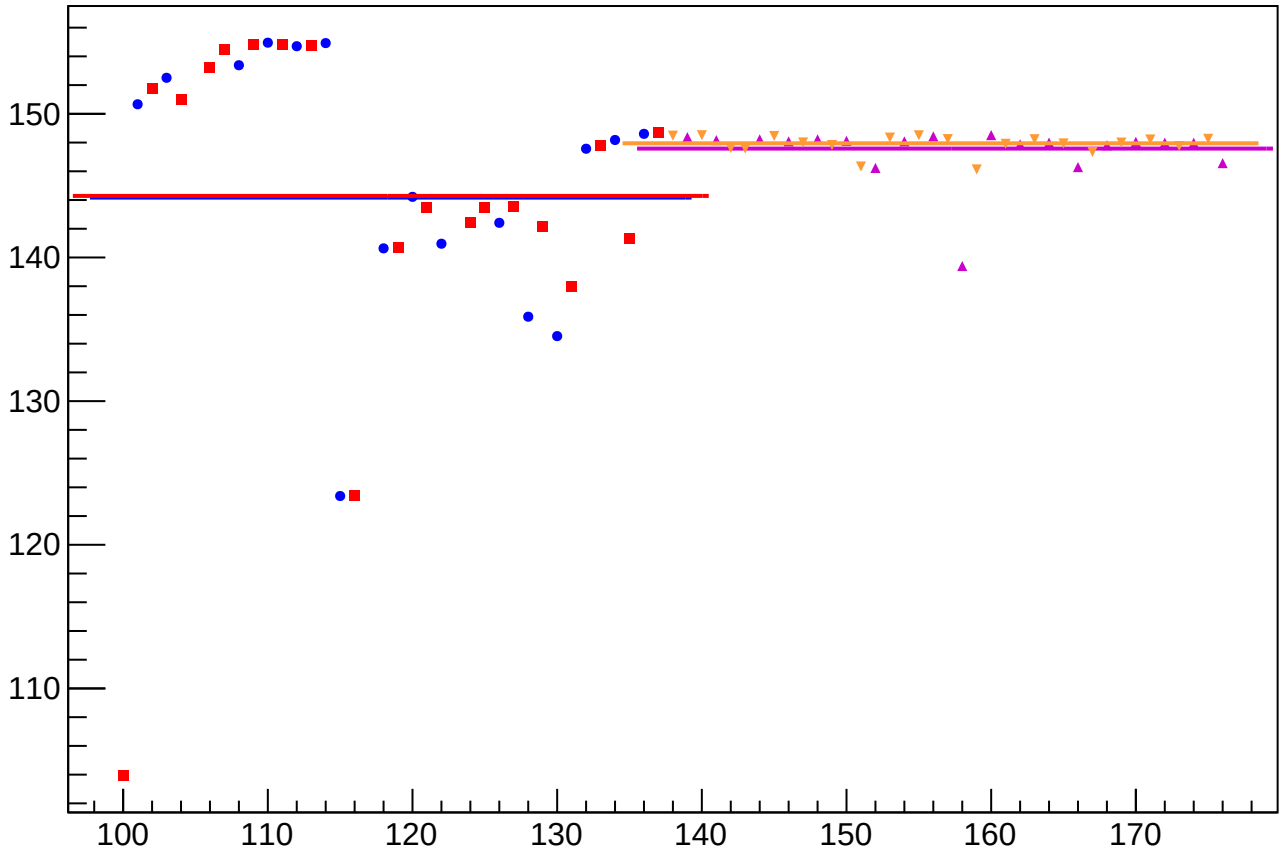
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4733.848+/-0.869 χ^2/NDF:71094.0/18

\+ sign 4865.021+/-0.736 χ^2/NDF: 222583.4/35

All: 4851.649+/-0.519 χ^2/NDF: 403480.0/73

\- sign 4838.414+/-0.732 χ^2/NDF: 180240.1/37



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.948+/-0.000 χ^2/NDF:34366586.3/19

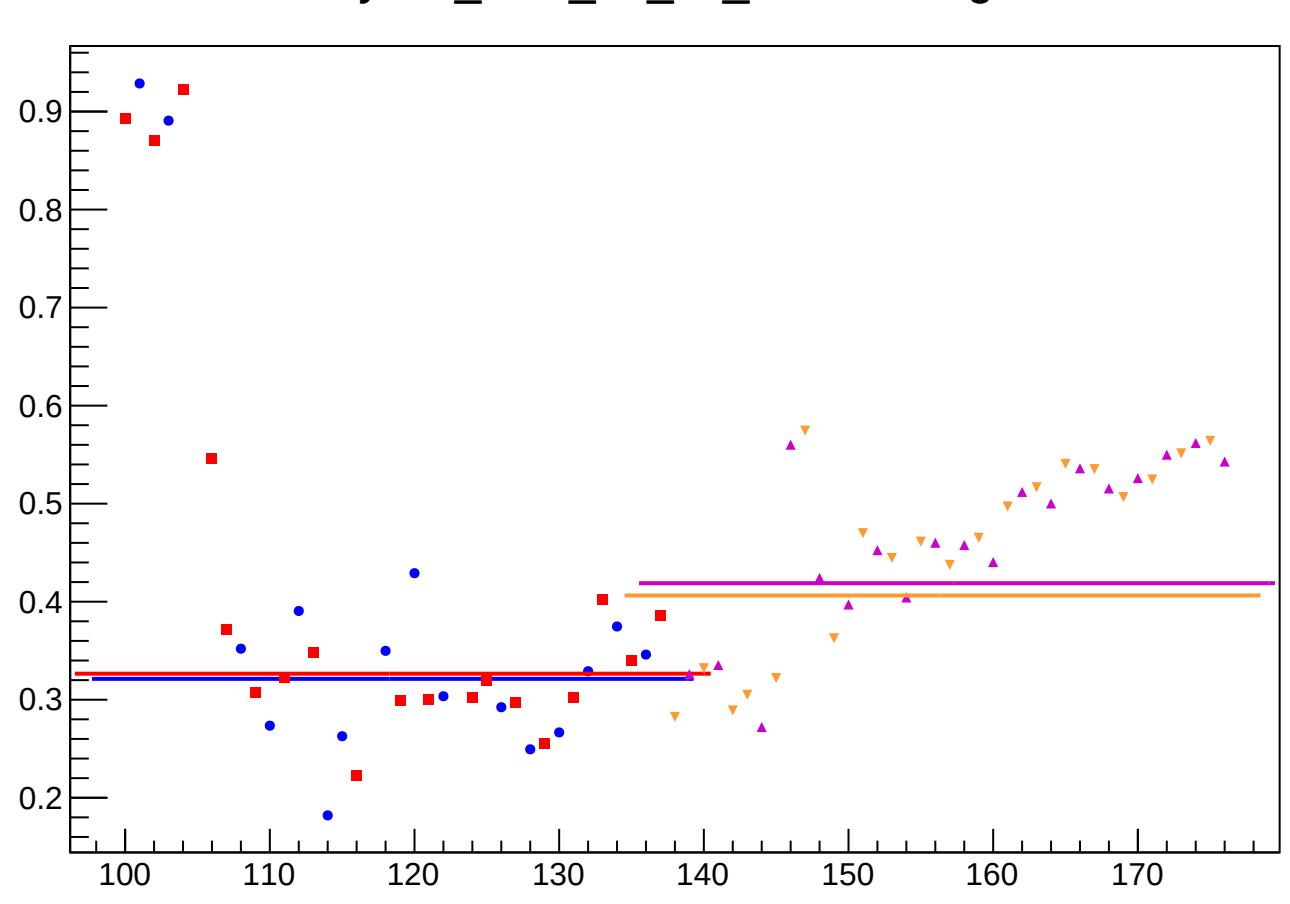
Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.580+/-0.000 χ^2/NDF:293039280.0/18

+ sign 146.448+/-0.000 χ^2/NDF: 4294786393.1/35

All: 146.337+/-0.000 χ^2/NDF: 9245762198.8

- sign 146.221+/-0.000 χ^2/NDF: 4947310165.5/37



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.406+/-0.000 χ^2/NDF:1710918.2/19

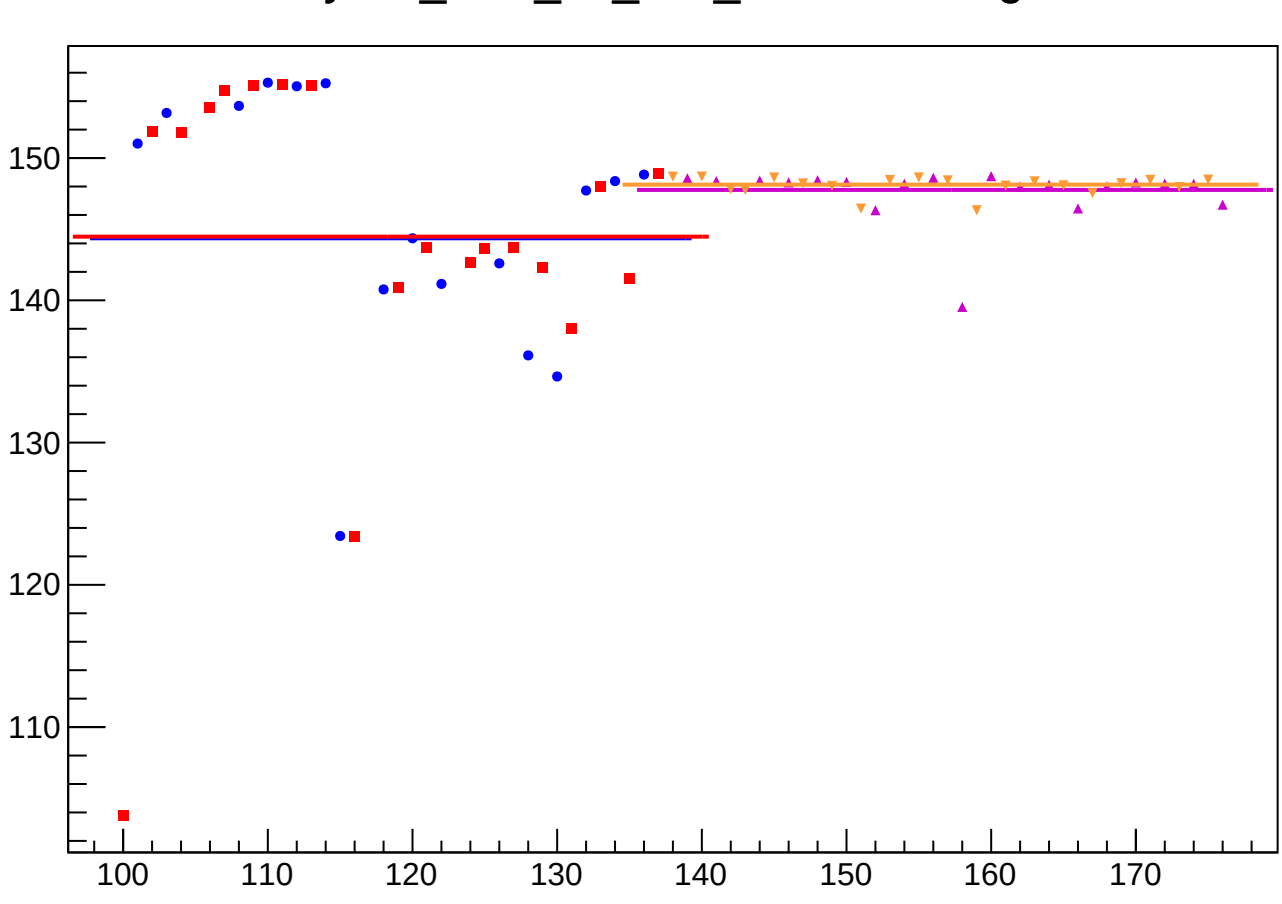
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.419+/-0.000 χ^2/NDF:1423522.6/18

+ sign 0.373+/-0.000 χ^2/NDF: 3609873.5/35

All: 0.377+/-0.000 χ^2/NDF: 6917803.0/73

- sign 0.381+/-0.000 χ^2/NDF: 3298348.8/37



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.133+/-0.000 χ^2/NDF:34531843.3/19

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

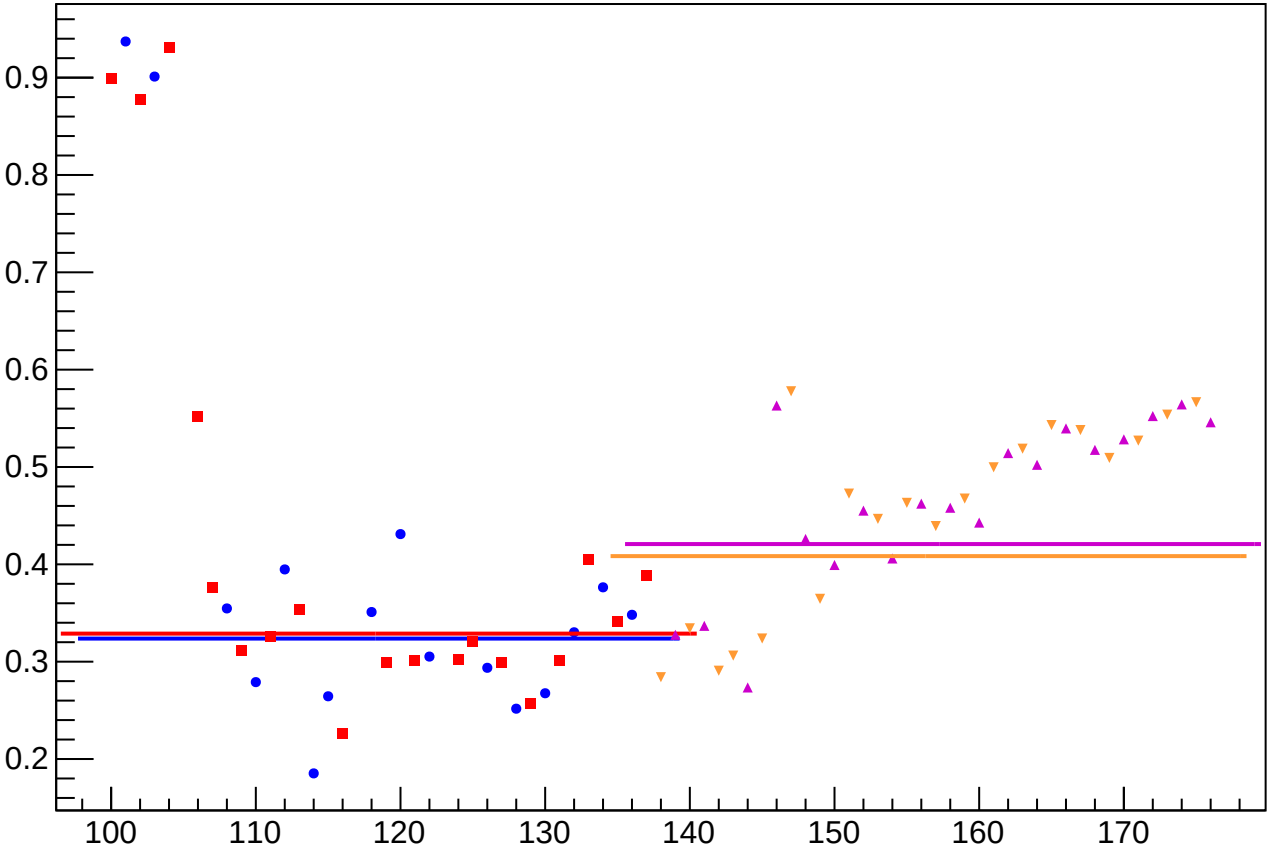
Left In: 147.761+/-0.000 χ^2/NDF:297655694.9/18

+ sign 146.639+/-0.000 χ^2/NDF: 4281430551.1/35

All: 146.526+/-0.000 χ^2/NDF: 9222957409.8

- sign 146.408+/-0.000 χ^2/NDF: 4937797561.8/37

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.408+/-0.000 χ^2/NDF:1707441.1/19

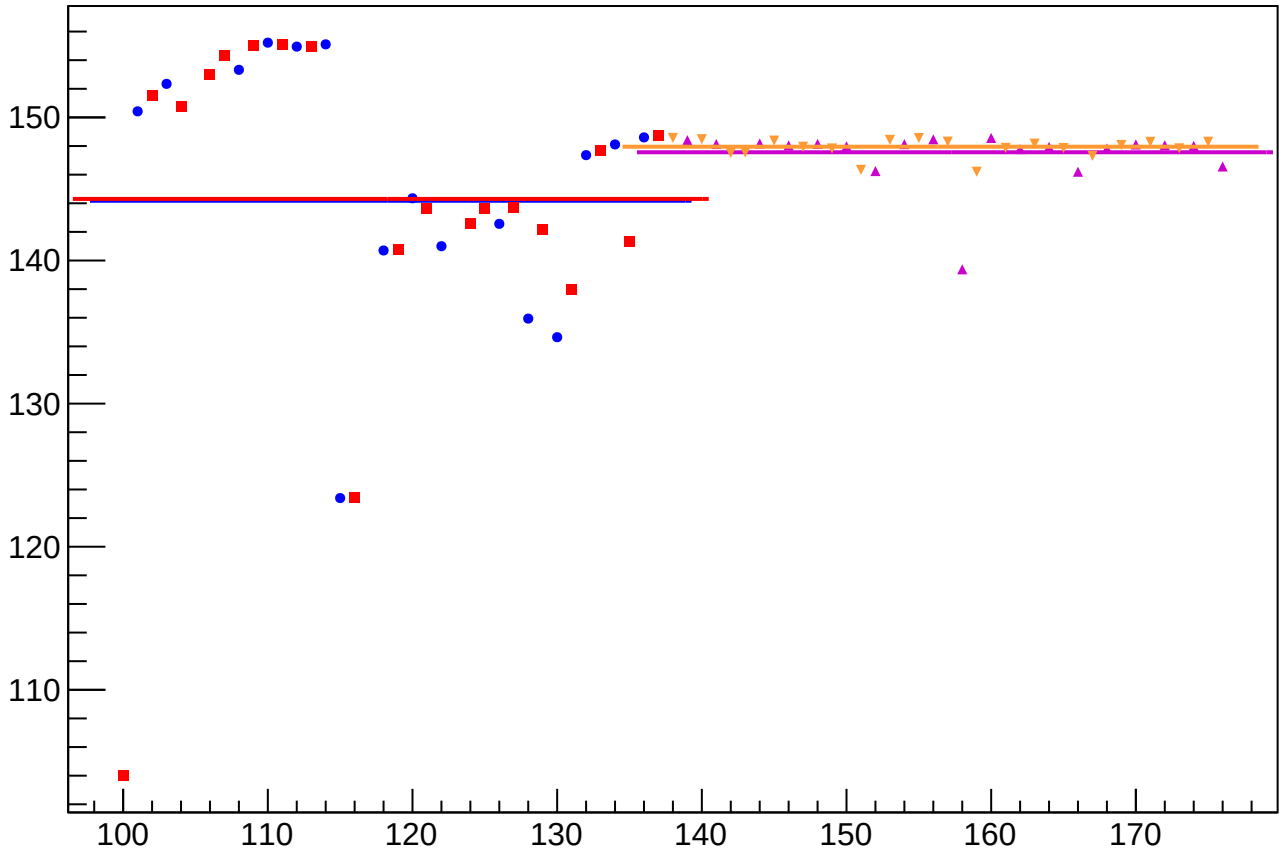
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.421+/-0.000 χ^2/NDF:1422553.4/18

+ sign 0.375+/-0.000 χ^2/NDF: 3592313.5/35

All: 0.379+/-0.000 χ^2/NDF: 6888719.9/73

- sign 0.383+/-0.000 χ^2/NDF: 3287256.6/37



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:34573313.2/19

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

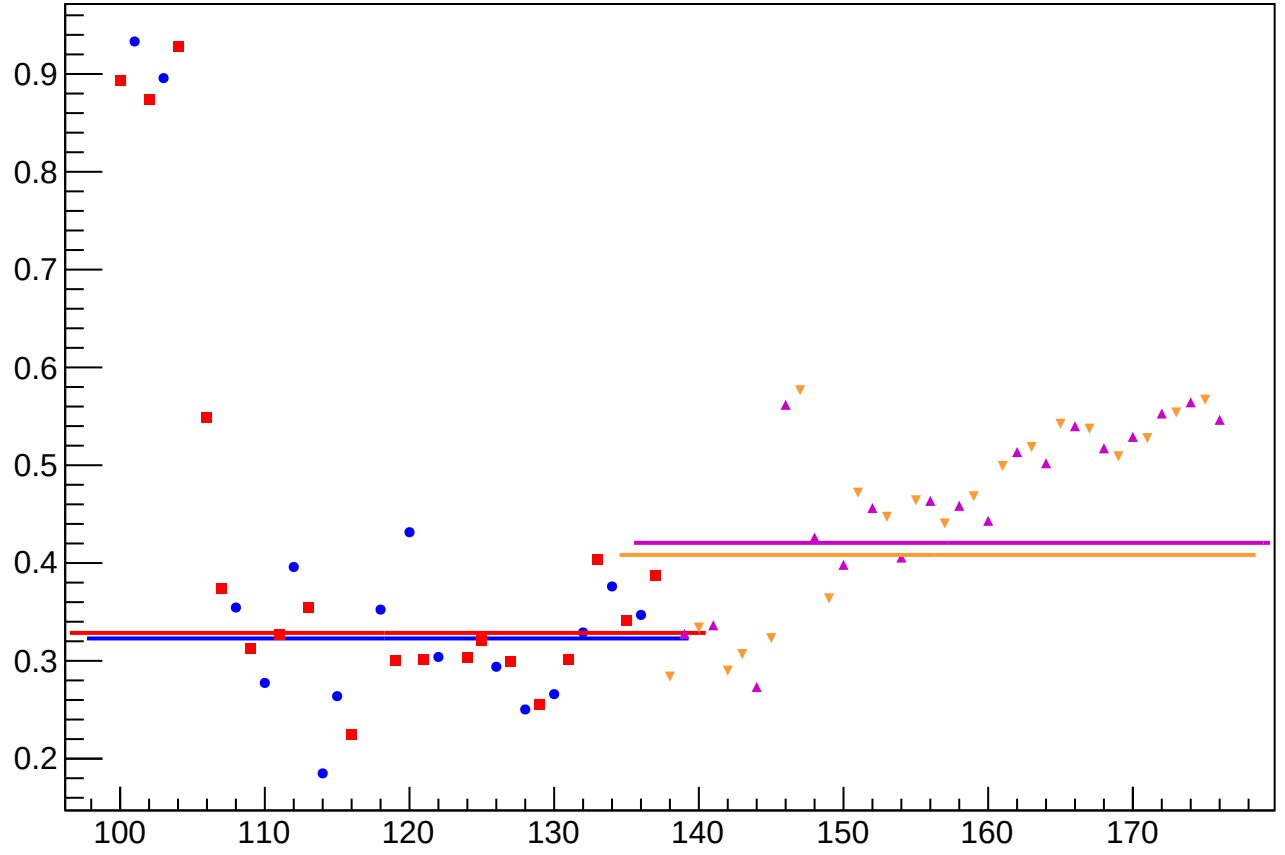
Left In: 147.565+/-0.000 χ^2/NDF:292668869.4/18

+ sign 146.453+/-0.000 χ^2/NDF: 4250148635.3/35

All: 146.340+/-0.000 χ^2/NDF: 9164061156.5

- sign 146.222+/-0.000 χ^2/NDF: 4910160186.3/37

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.408+/-0.000 χ^2/NDF:1710979.1/19

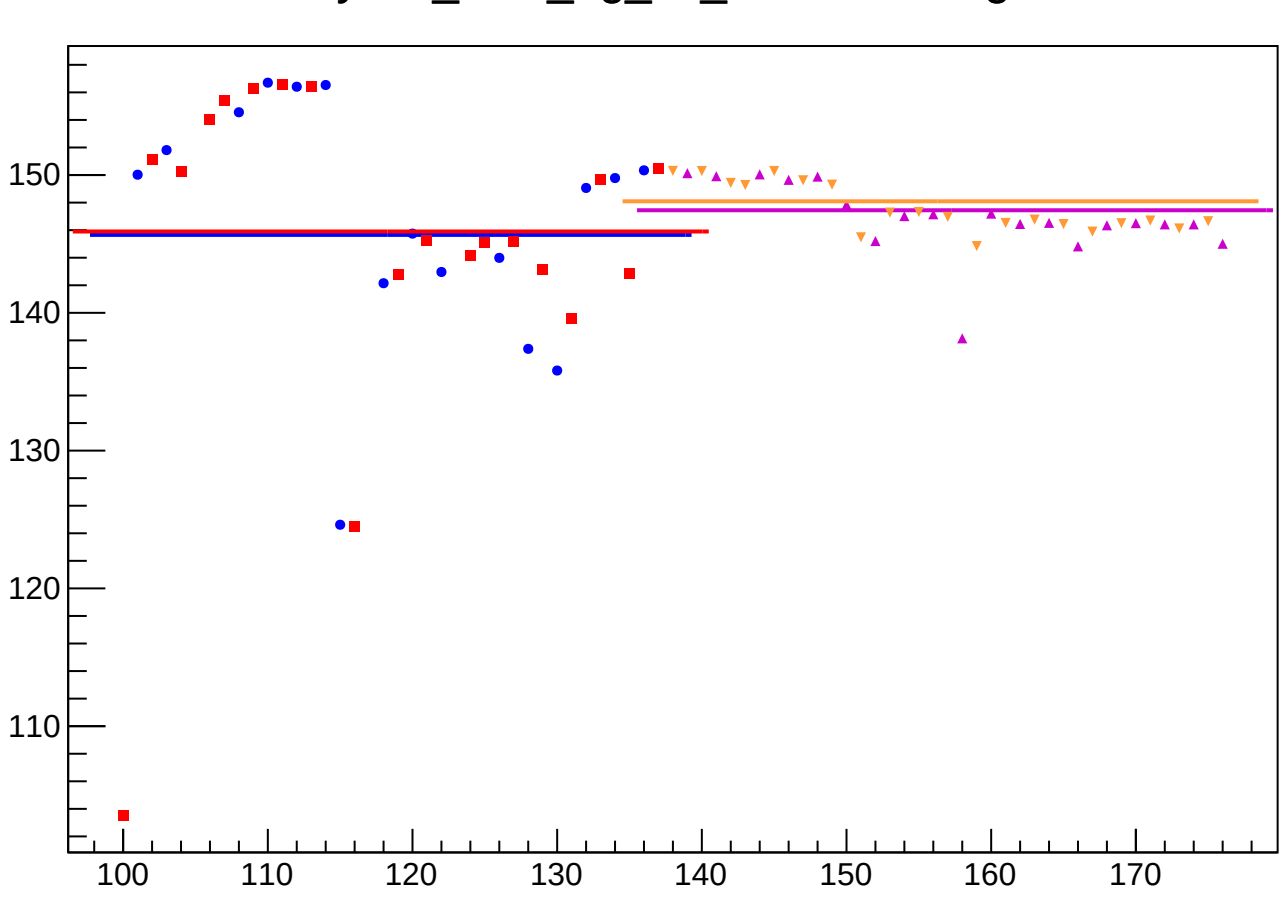
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.421+/-0.000 χ^2/NDF:1428187.8/18

+ sign 0.374+/-0.000 χ^2/NDF: 3609215.0/35

All: 0.378+/-0.000 χ^2/NDF: 6914561.6/73

- sign 0.383+/-0.000 χ^2/NDF: 3295593.9/37



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.094+/-0.000 χ^2/NDF:264195933.0/19

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

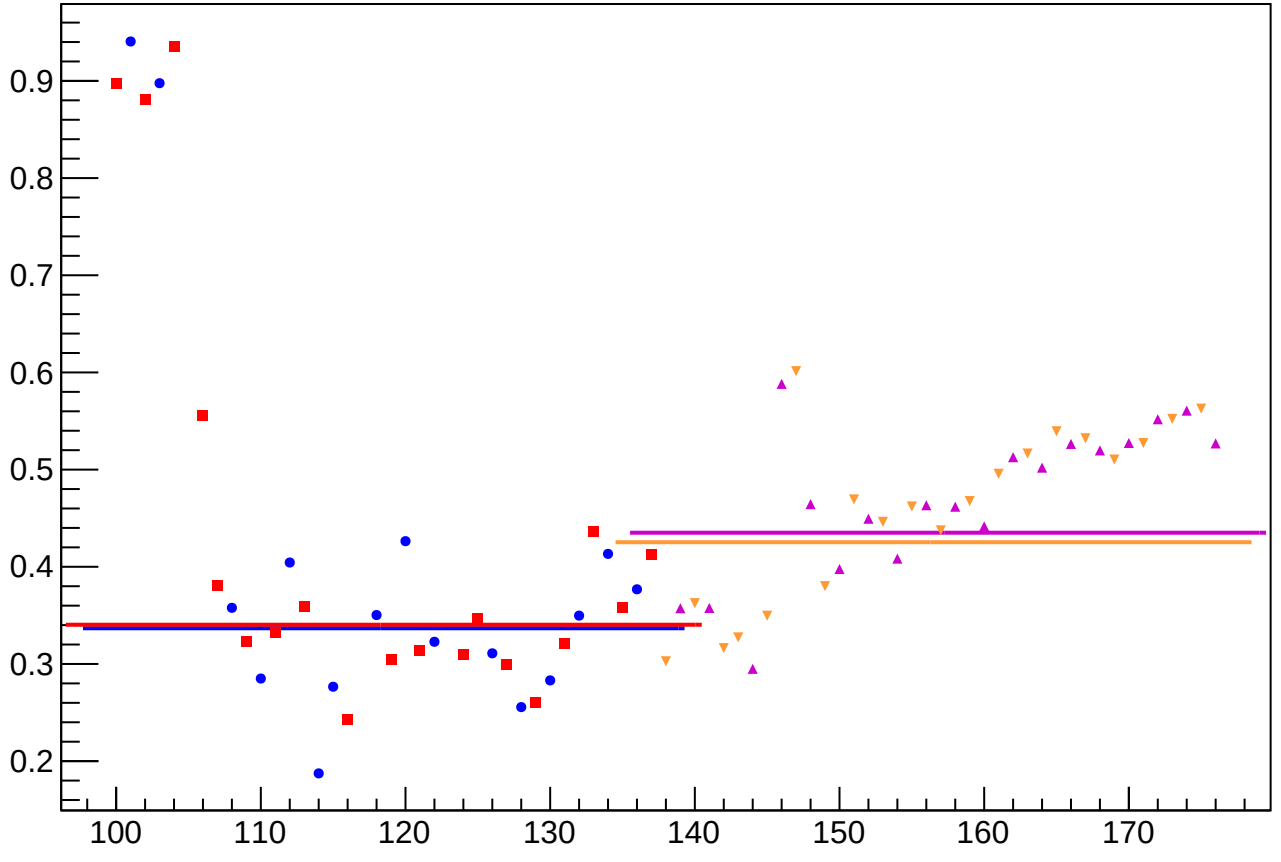
Left In: 147.444+/-0.000 χ^2/NDF:576521030.0/18

+ sign 147.135+/-0.000 χ^2/NDF: 3934584656.1/35

All: 146.978+/-0.000 χ^2/NDF: 8454559575.6

- sign 146.816+/-0.000 χ^2/NDF: 4513311377.2/37

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.425+/-0.000 χ^2/NDF:1279543.8/19

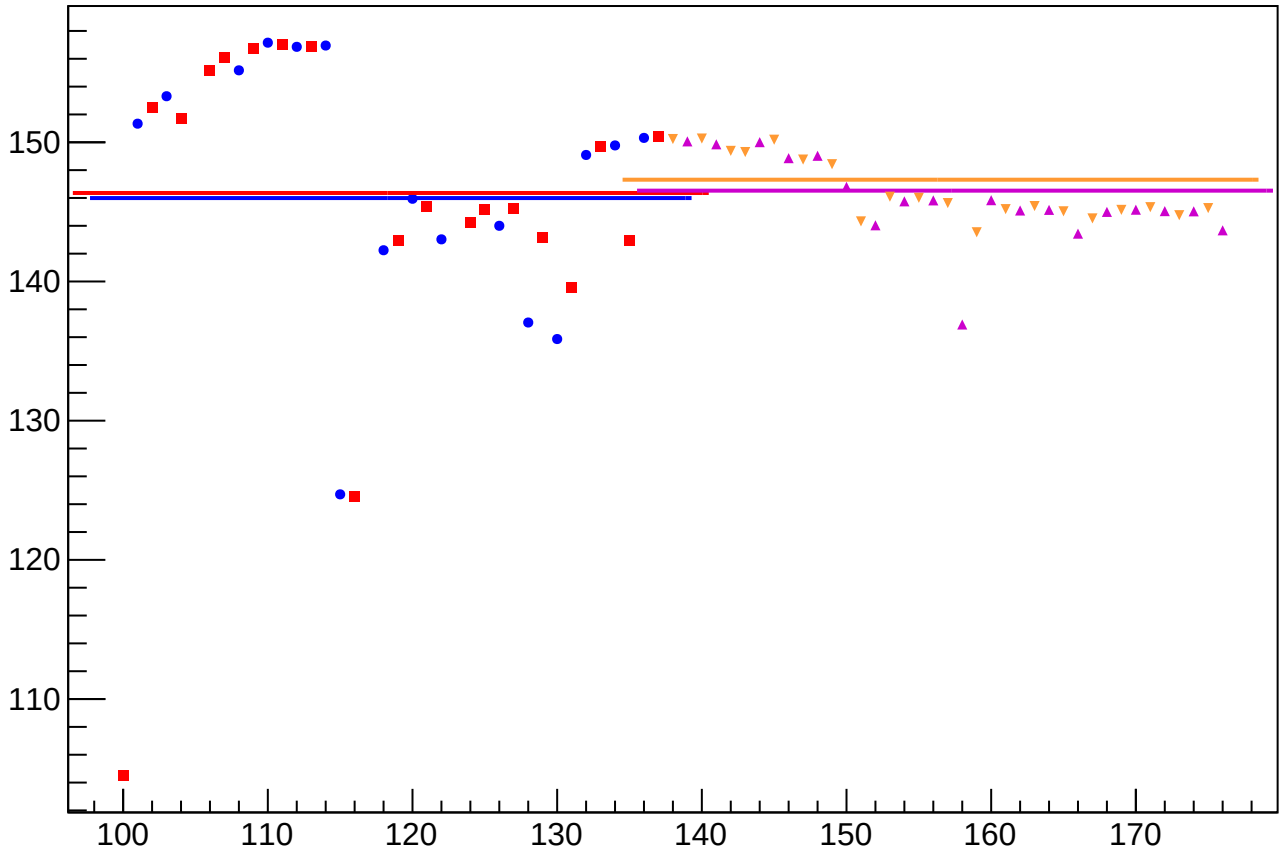
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.435+/-0.000 χ^2/NDF:1081059.2/18

+ sign 0.390+/-0.000 χ^2/NDF: 3148663.2/35

All: 0.393+/-0.000 χ^2/NDF: 6067257.7/73

- sign 0.396+/-0.000 χ^2/NDF: 2913885.4/37



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.313+/-0.000 χ^2/NDF:450452111.8/19

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

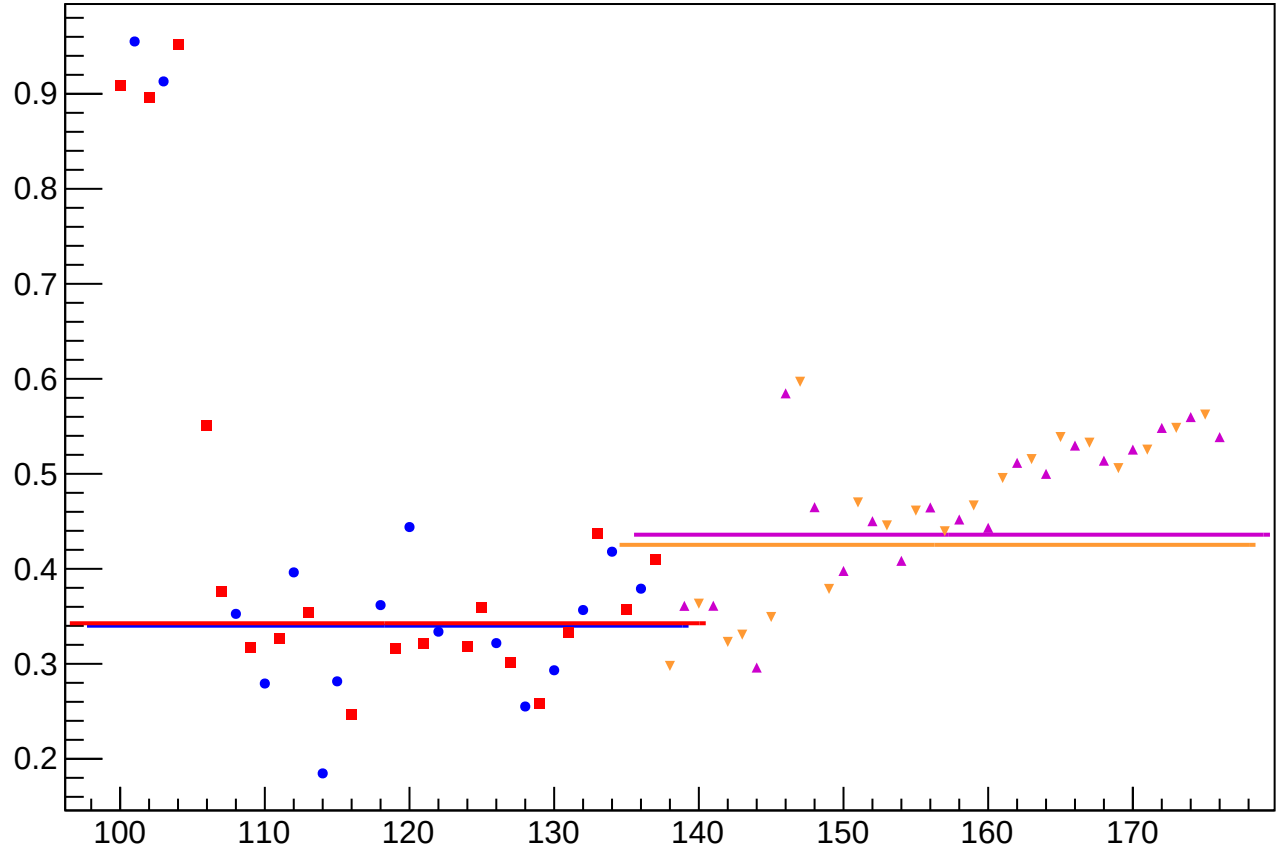
Left In: 146.526+/-0.000 χ^2/NDF:768529116.3/18

+ sign 146.800+/-0.000 χ^2/NDF: 4126697887.0/35

All: 146.632+/-0.000 χ^2/NDF: 8866820005.1

- sign 146.458+/-0.000 χ^2/NDF: 4732514801.3/37

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.425+/-0.000 χ^2/NDF:1262384.0/19

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

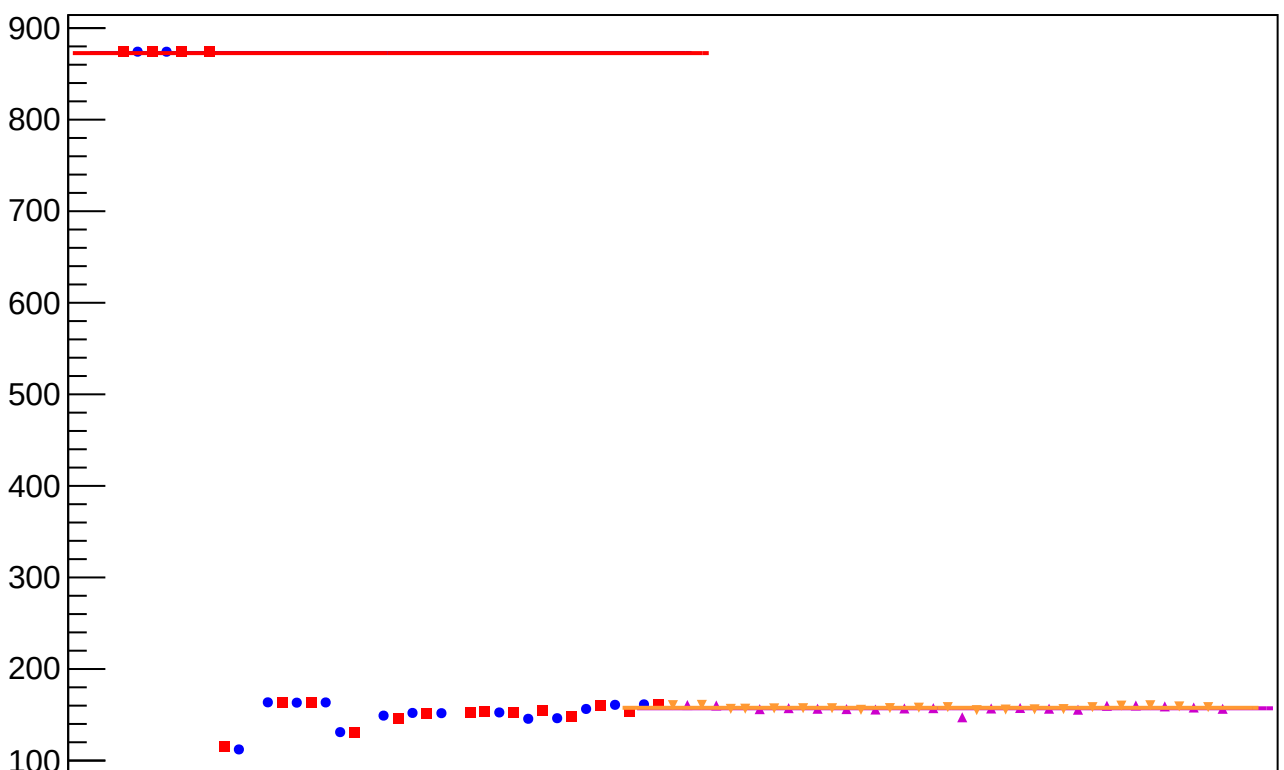
Left In: 0.436+/-0.000 χ^2/NDF:1043638.4/18

+ sign 0.392+/-0.000 χ^2/NDF: 3109766.3/35

All: 0.395+/-0.000 χ^2/NDF: 5963715.5/73

- sign 0.398+/-0.000 χ^2/NDF: 2849361.1/37

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.635+/-0.000 χ^2/NDF:90687083.3/19

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

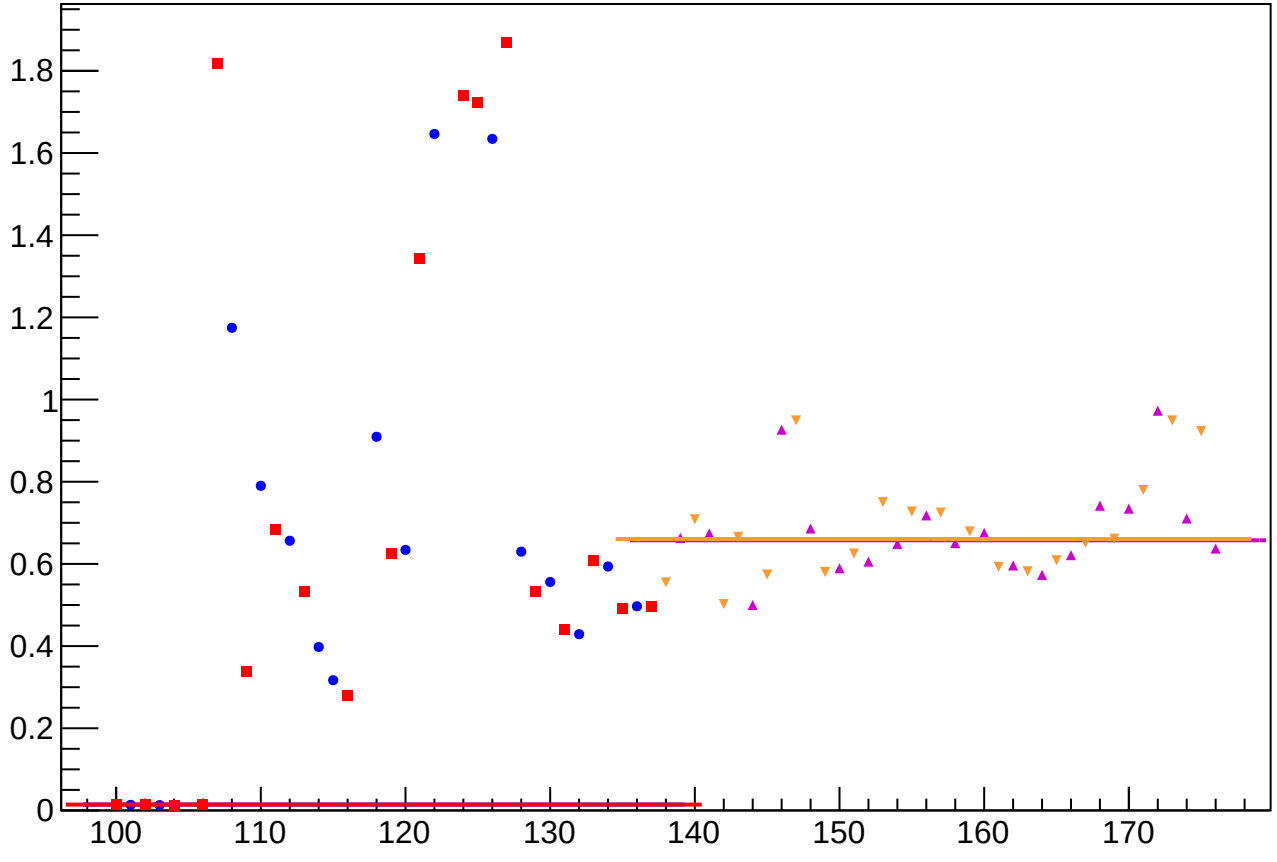
Left In: 157.095+/-0.000 χ^2/NDF:202686196.6/18

+ sign 870.114+/-0.000 χ^2/NDF: 20988822593644.

All: 870.213+/-0.000 χ^2/NDF: 44119754929

- sign 870.299+/-0.000 χ^2/NDF: 23130801980146.3

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.660+/-0.000 χ^2/NDF:604940.6/19

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

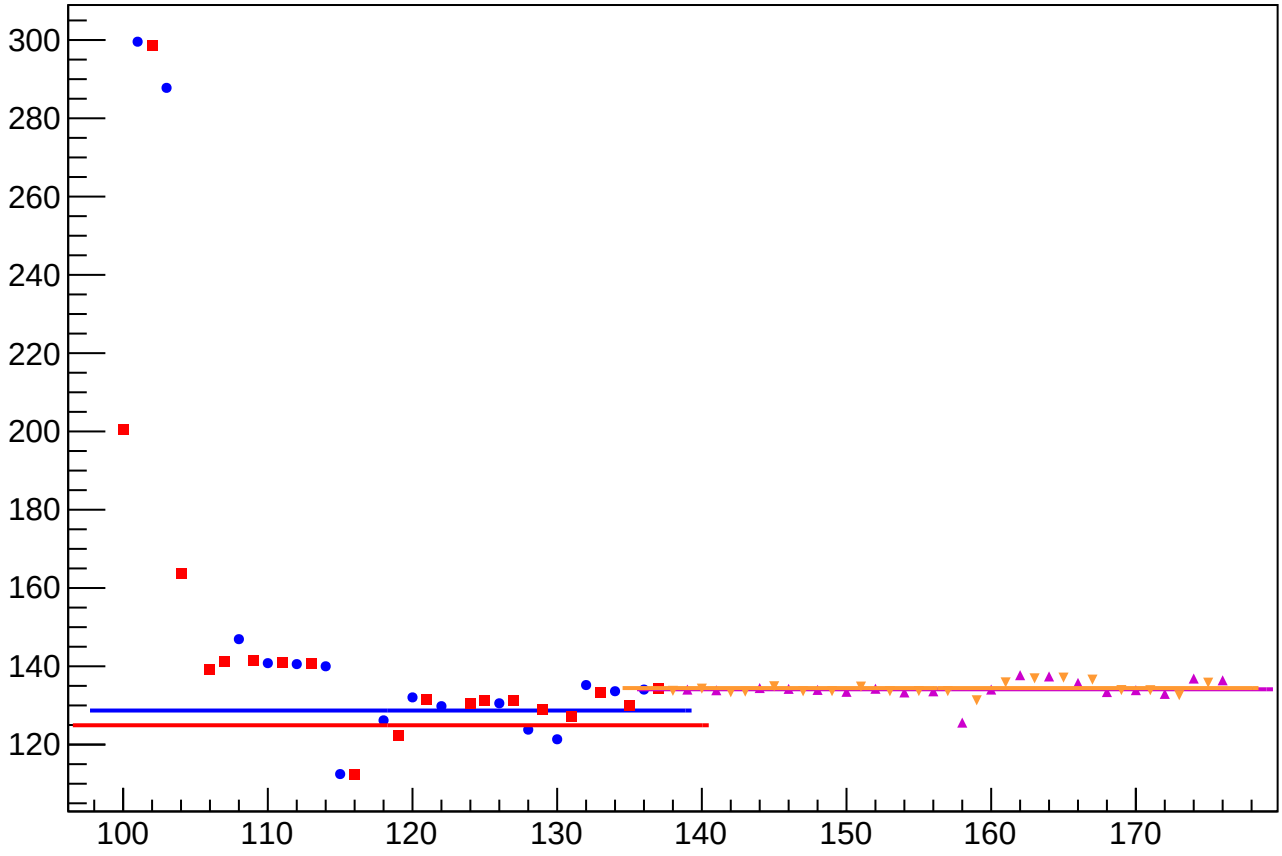
Left In: 0.657+/-0.000 χ^2/NDF:461774.8/18

\+ sign 0.017+/-0.000 χ^2/NDF: 32748059.7/35

All: 0.017+/-0.000 χ^2/NDF: 65186340.0/73

\- sign 0.016+/-0.000 χ^2/NDF: 32436727.0/37

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.437+/-0.000 χ^2/NDF:123899638.4/19

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

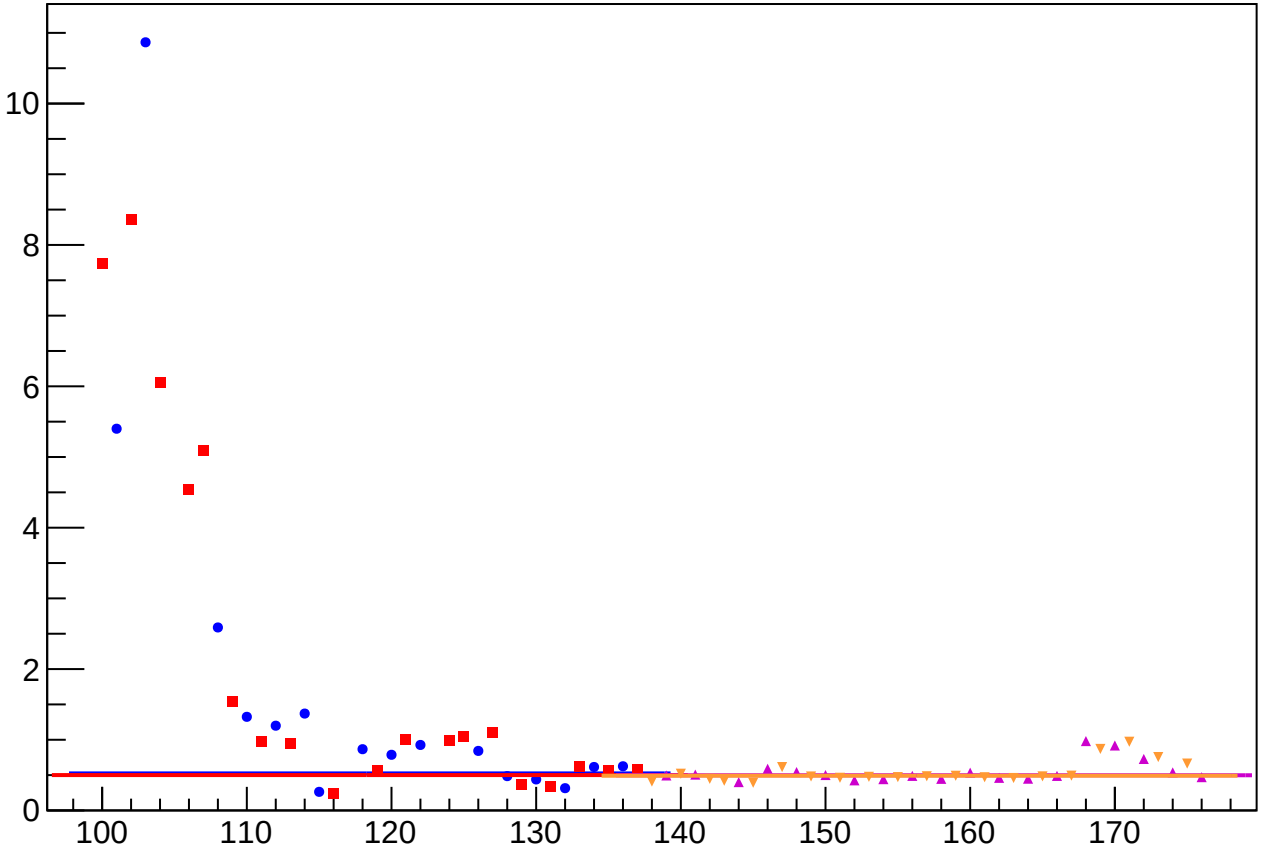
Left In: 134.126+/-0.000 χ^2/NDF:408792051.7/18

+ sign 133.328+/-0.000 χ^2/NDF: 2134811334.9/35

All: 132.782+/-0.000 χ^2/NDF: 4923171001.7

- sign 132.225+/-0.000 χ^2/NDF: 2746772831.1/37

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.492+/-0.000 χ^2/NDF:1145737.9/19

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

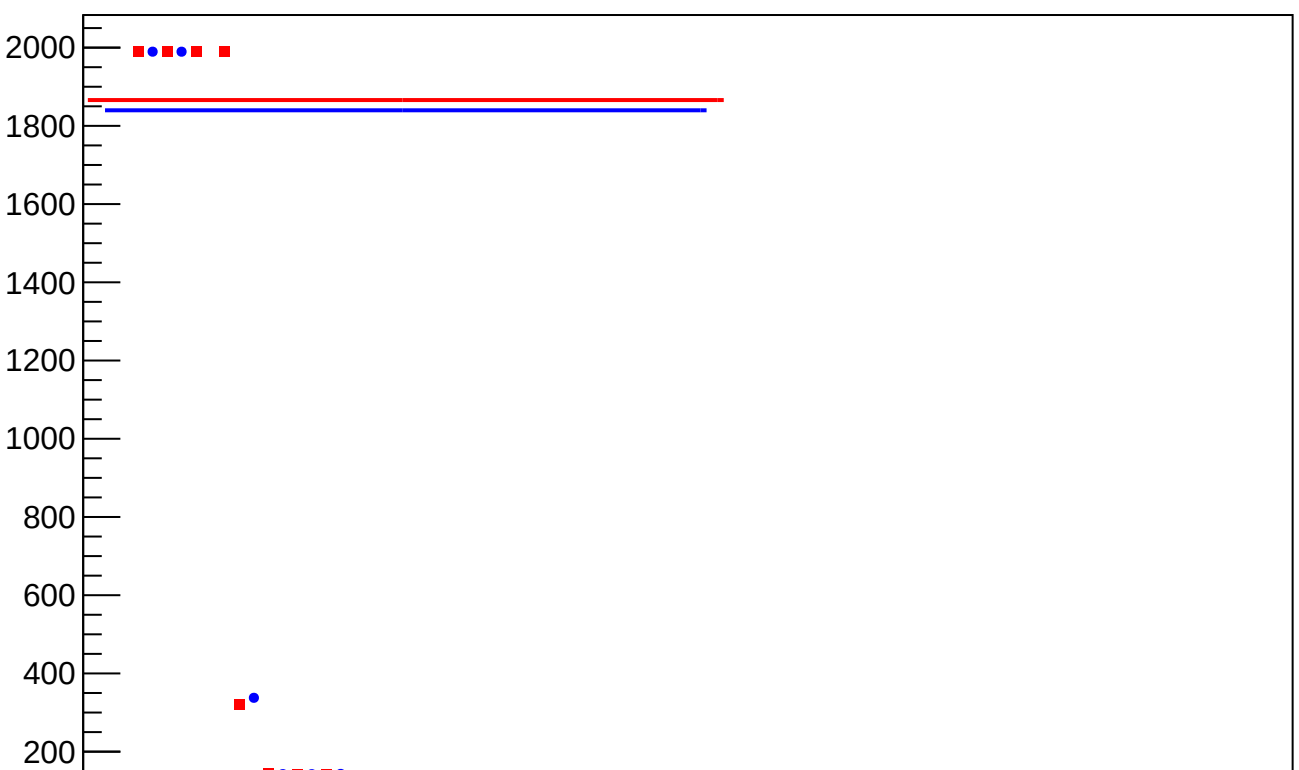
Left In: 0.498+/-0.000 χ^2/NDF:1089677.4/18

+ sign 0.498+/-0.000 χ^2/NDF: 5306630.8/35

All: 0.498+/-0.000 χ^2/NDF: 11280611.1/73

- sign 0.498+/-0.000 χ^2/NDF: 5973965.4/37

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.535+/-0.000 χ^2/NDF:61964985.1/19

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

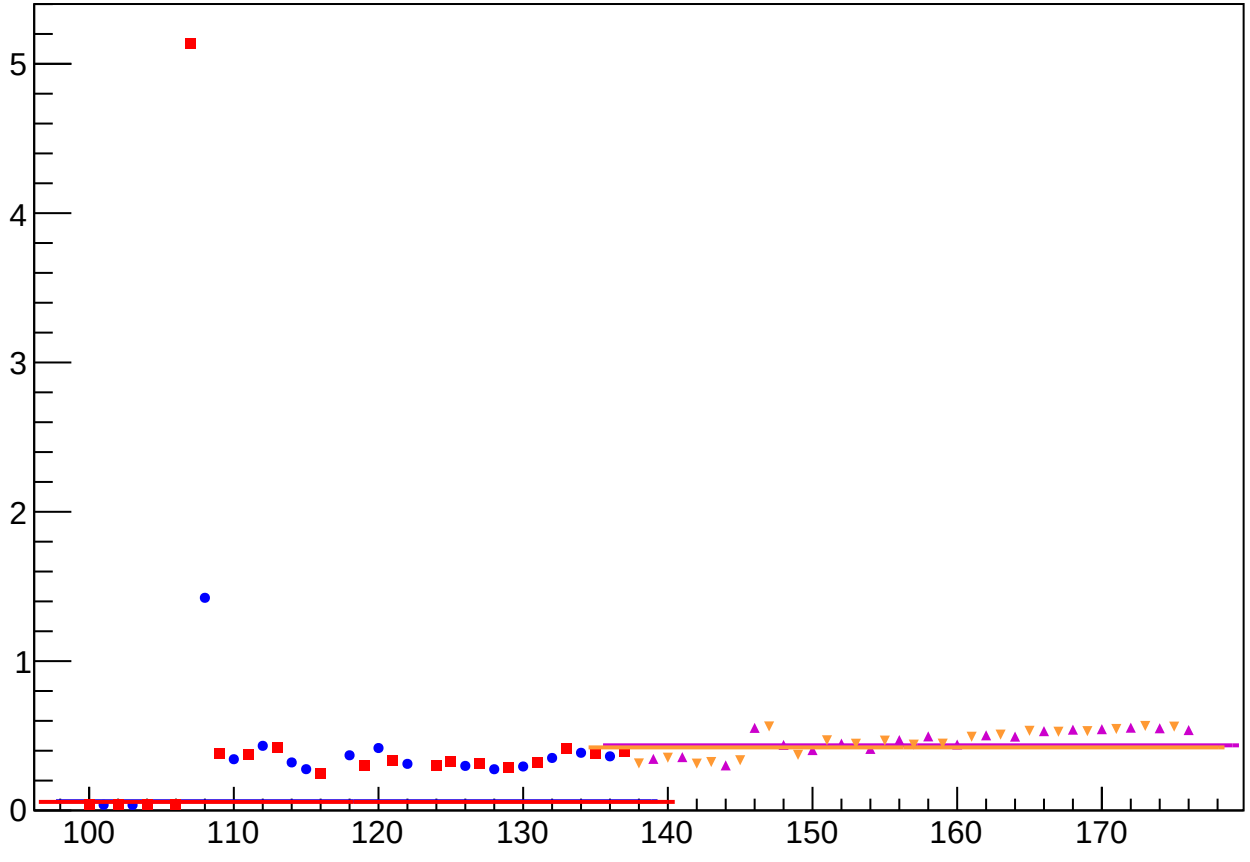
Left In: 137.338+/-0.000 χ^2/NDF:238183048.9/18

+ sign 1624.794+/-0.000 χ^2/NDF: 35463402073851

All: 1658.628+/-0.000 χ^2/NDF: 7032293612

- sign 1688.387+/-0.000 χ^2/NDF: 34719083497960

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.422+/-0.000 χ^2/NDF:1296349.2/19

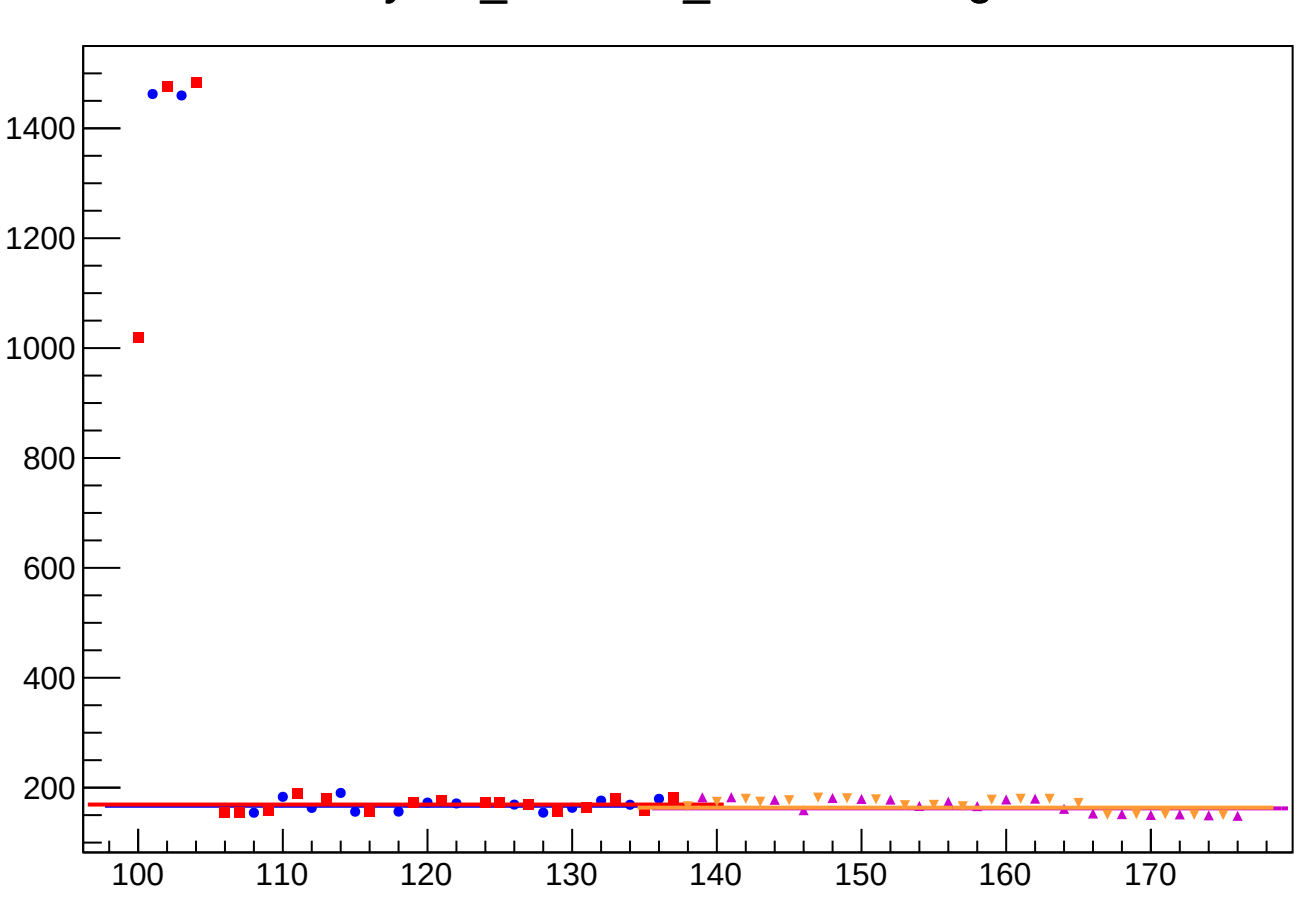
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.436+/-0.000 χ^2/NDF:1066697.2/18

+ sign 0.107+/-0.000 χ^2/NDF: 28194324.2/35

All: 0.101+/-0.000 χ^2/NDF: 56721803.2/73

- sign 0.096+/-0.000 χ^2/NDF: 28441850.7/37



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 163.584+/-0.000 χ^2/NDF:2900746157.2/19

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

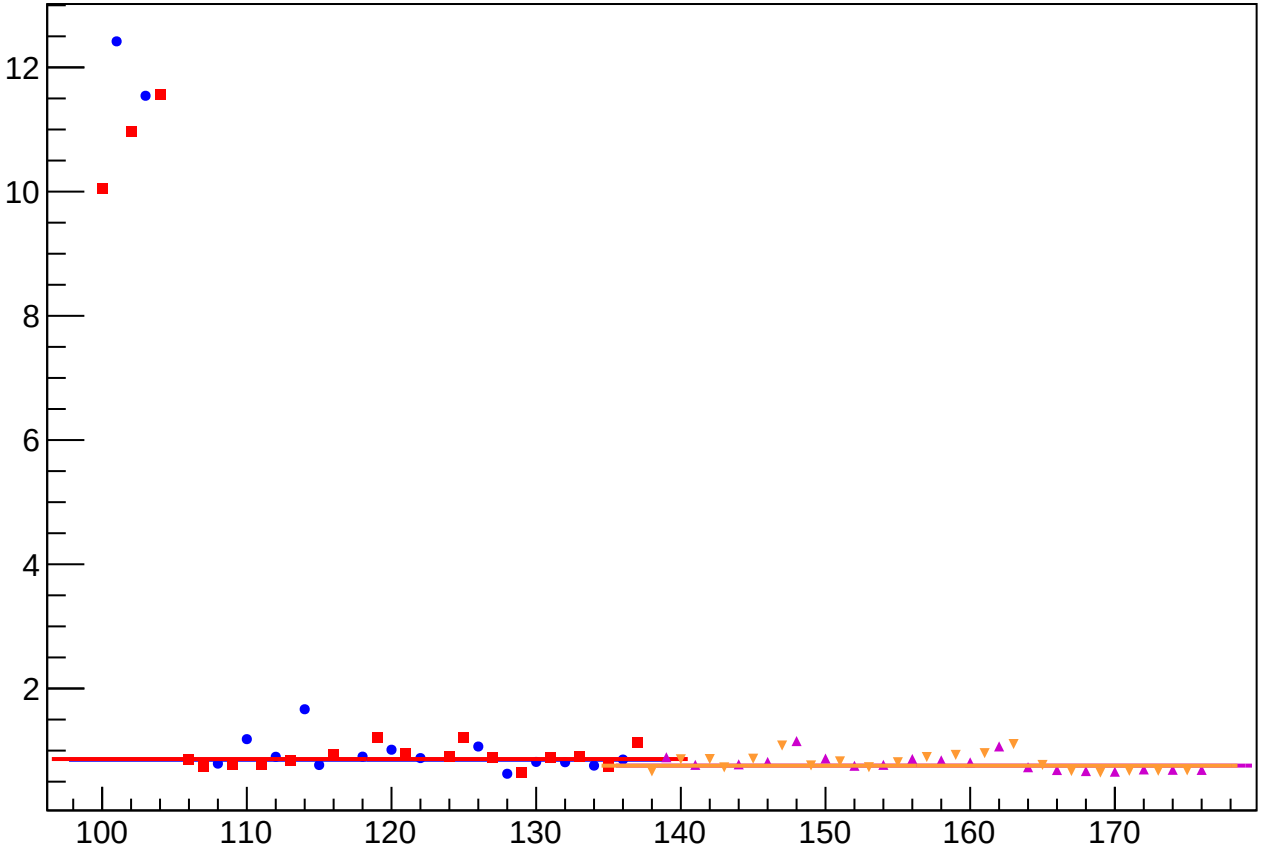
Left In: 162.287+/-0.000 χ^2/NDF:3148352493.0/18

+ sign 164.323+/-0.000 χ^2/NDF: 17564687827.0/35

All: 164.076+/-0.000 χ^2/NDF: 37239684995.

- sign 163.830+/-0.000 χ^2/NDF: 19672003963.0/37

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.758+/-0.000 χ^2/NDF:522858.4/19

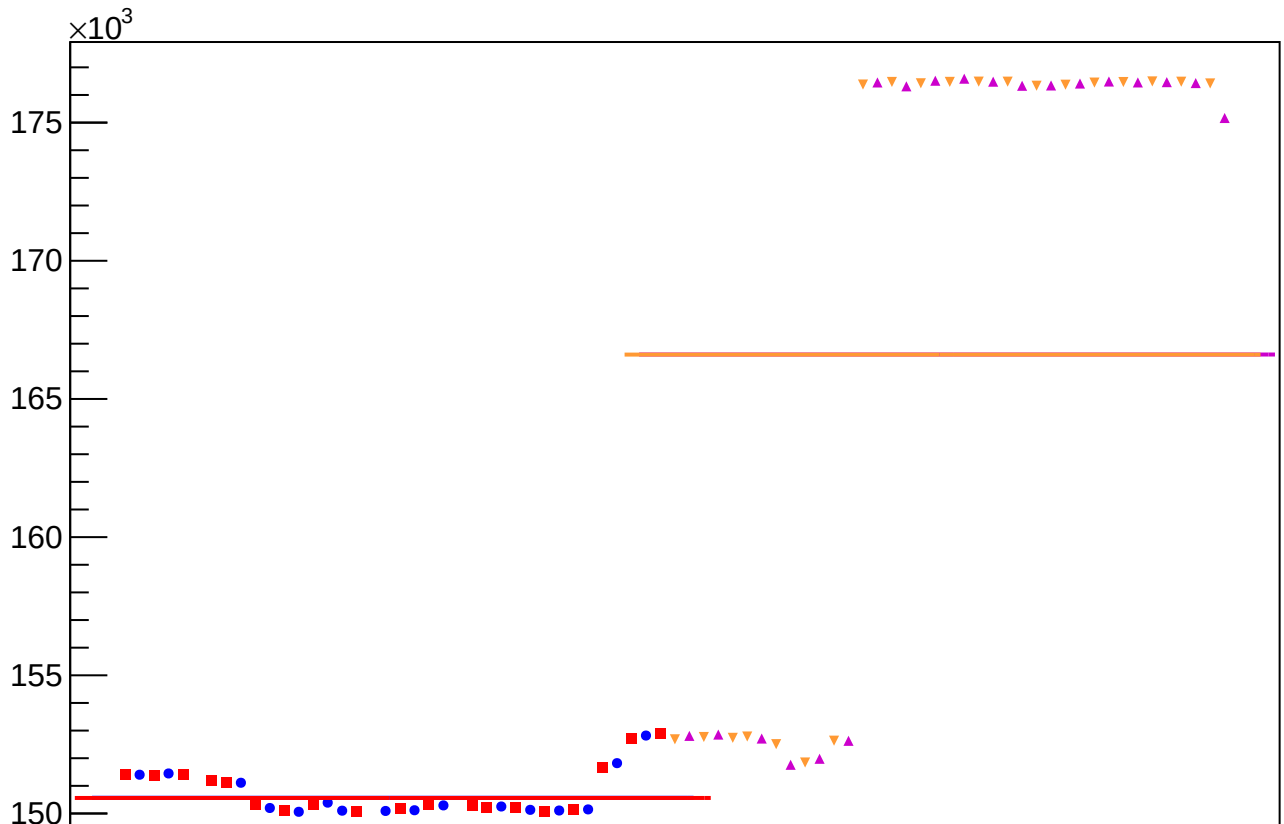
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.758+/-0.000 χ^2/NDF:420468.1/18

+ sign 0.778+/-0.000 χ^2/NDF: 2900822.7/35

All: 0.780+/-0.000 χ^2/NDF: 5625996.2/73

- sign 0.782+/-0.000 χ^2/NDF: 2724826.2/37



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166605.323+/-0.049 χ^2/NDF:57052671340.7/19

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

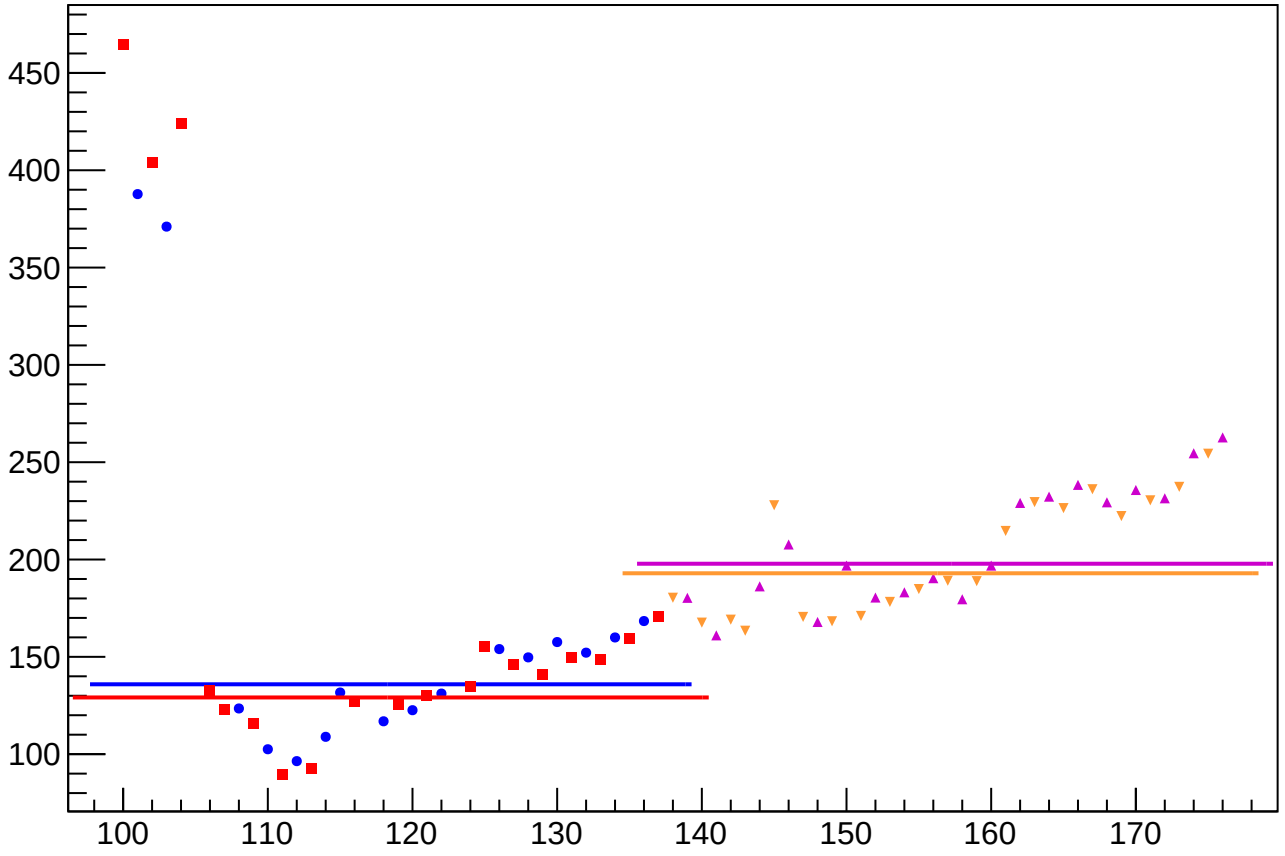
Left In: 166608.185+/-0.051 χ^2/NDF:53231173102.7/18

+ sign 159417.297+/-0.037 χ^2/NDF: 10487132901

All: 158995.949+/-0.026 χ^2/NDF: 2081048

- sign 158586.394+/-0.036 χ^2/NDF: 102971613466

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 192.936+/-0.035 χ^2/NDF:621758.8/19

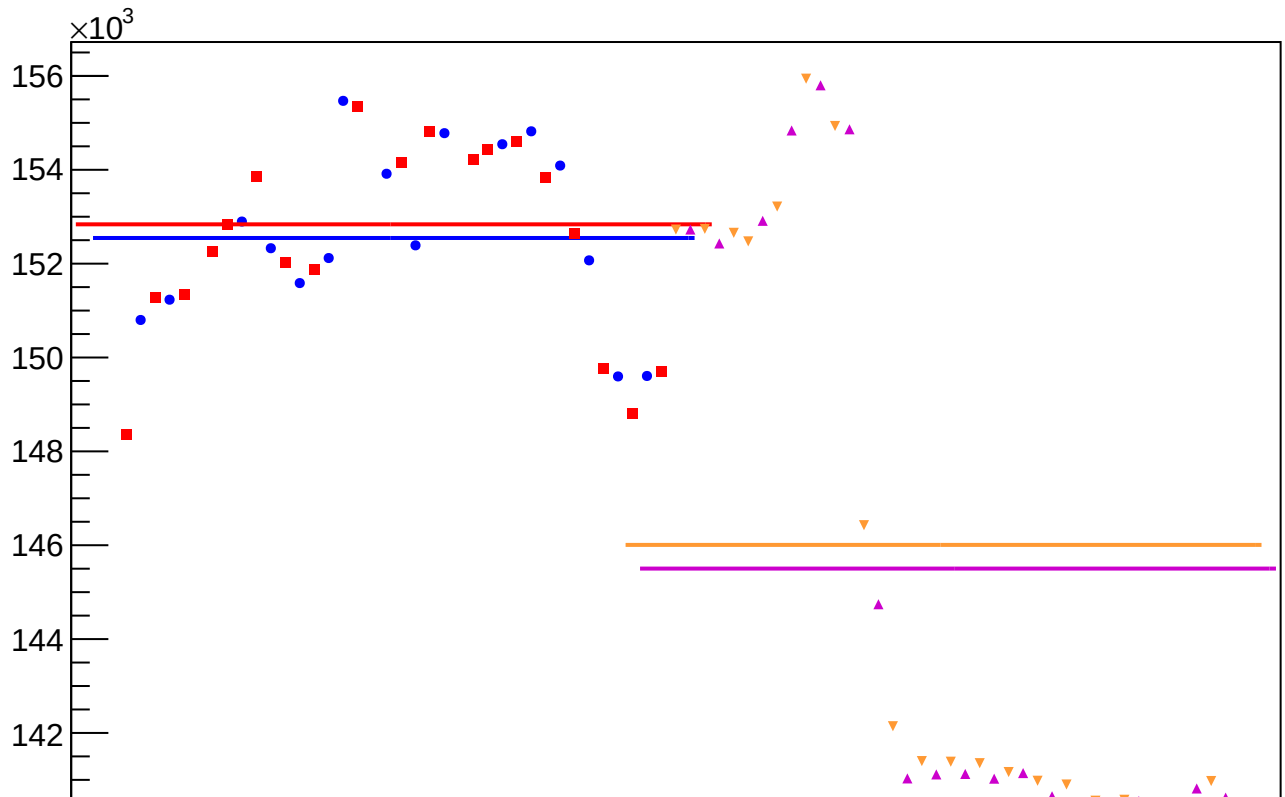
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 197.836+/-0.036 χ^2/NDF:580005.7/18

\+ sign 167.369+/-0.026 χ^2/NDF: 3241996.7/35

All: 165.402+/-0.018 χ^2/NDF: 7264200.5/73

\- sign 163.489+/-0.025 χ^2/NDF: 4010783.0/37



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146006.967+/-0.053 χ^2/NDF:12235109334.3/19

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

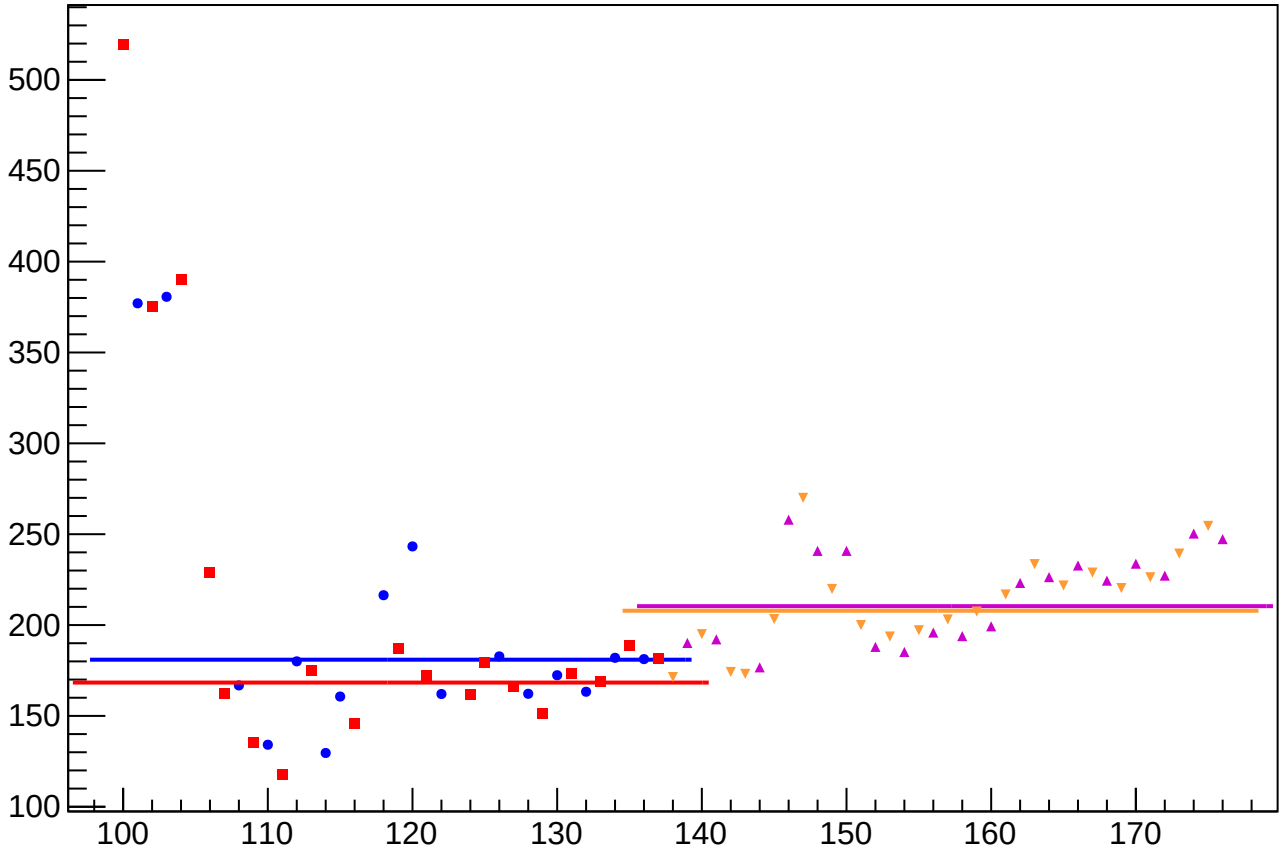
Left In: 145502.366+/-0.054 χ^2/NDF:12234223450.9/18

+ sign 148279.886+/-0.043 χ^2/NDF: 18181909705.

All: 148351.435+/-0.030 χ^2/NDF: 38450937

- sign 148420.448+/-0.042 χ^2/NDF: 20263539997.5

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 207.881+/-0.037 χ^2/NDF:420543.8/19

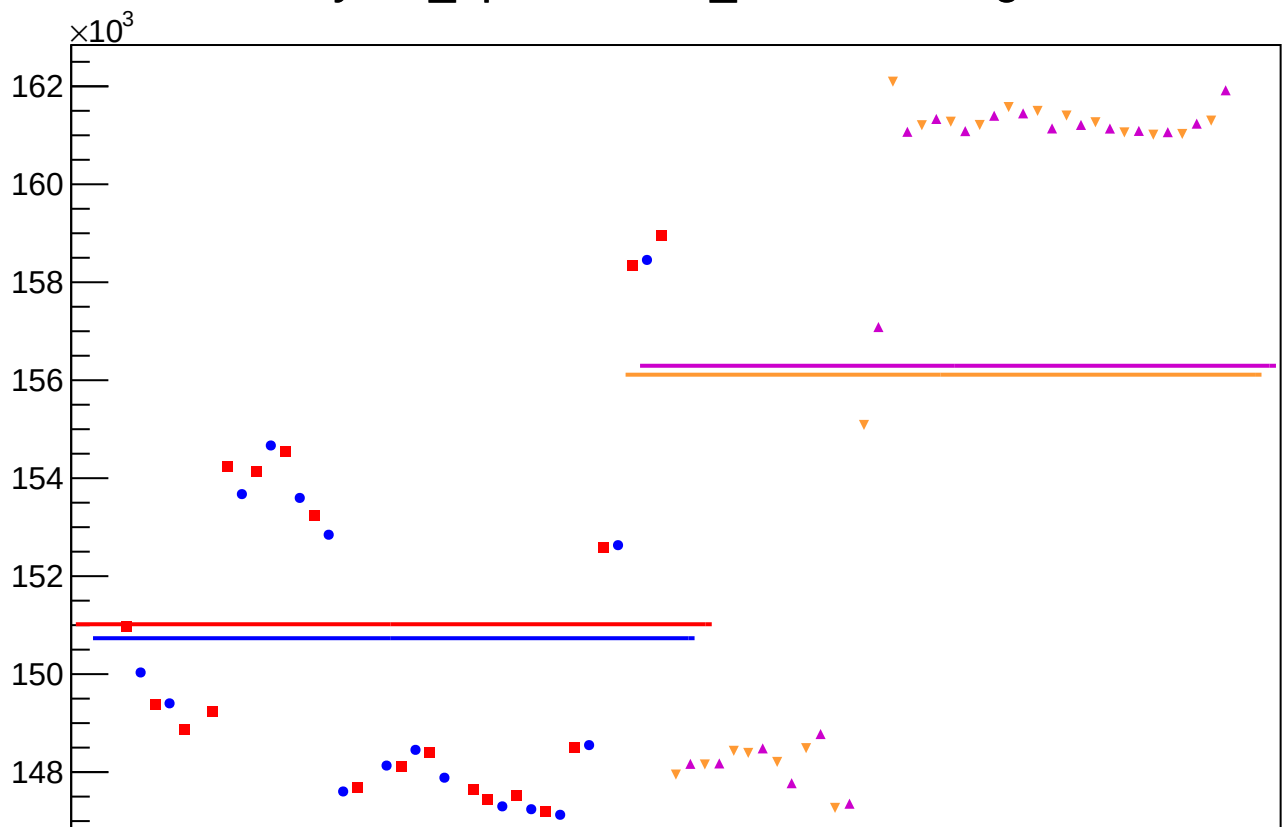
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 210.398+/-0.038 χ^2/NDF:420226.8/18

+ sign 198.517+/-0.030 χ^2/NDF: 1507945.1/35

All: 196.050+/-0.021 χ^2/NDF: 3509542.8/73

- sign 193.671+/-0.030 χ^2/NDF: 1988548.9/37



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156112.957+/-0.051 χ^2/NDF:14878058828.8/19

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

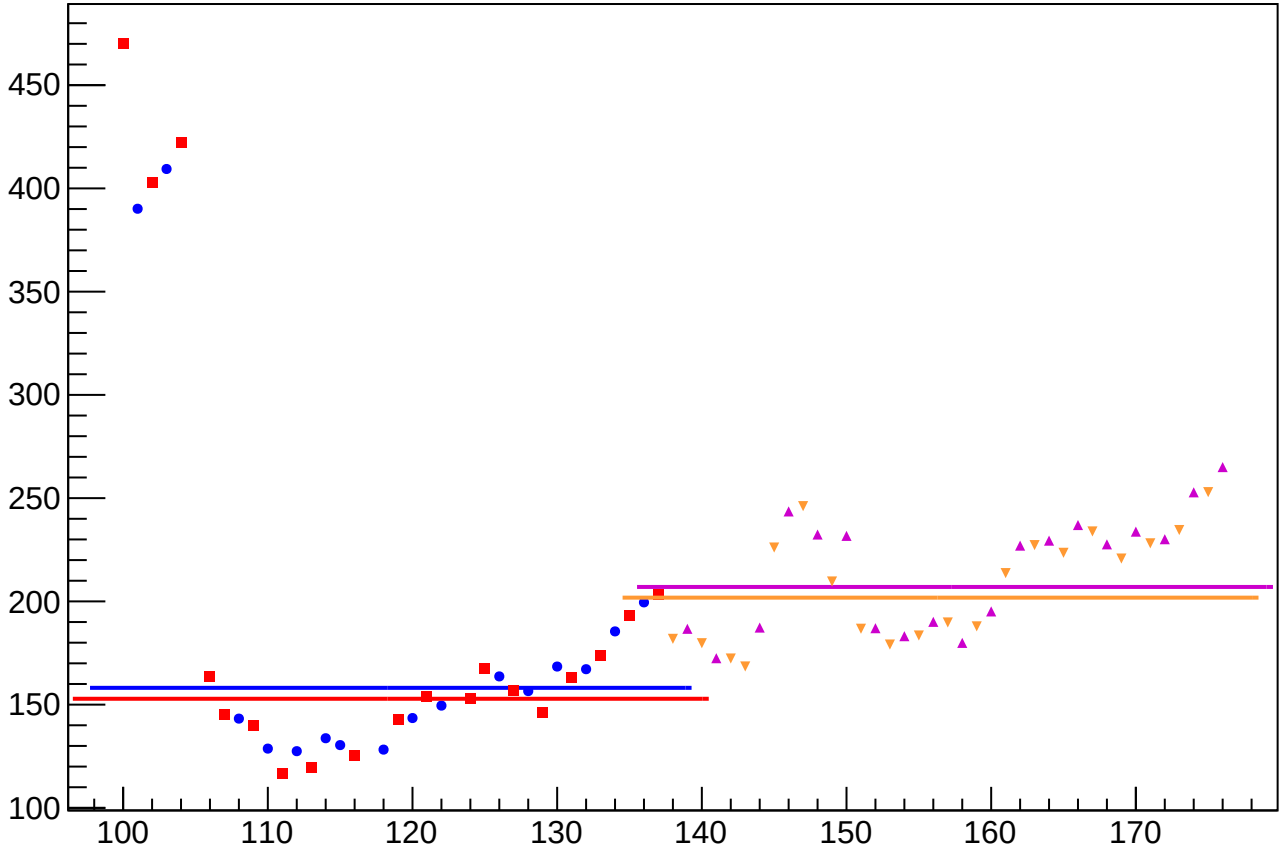
Left In: 156295.334+/-0.053 χ^2/NDF:13298524960.0/18

+ sign 153960.123+/-0.040 χ^2/NDF: 22549703006.

All: 153965.885+/-0.028 χ^2/NDF: 43455090

- sign 153971.665+/-0.040 χ^2/NDF: 20905345014.

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 201.814+/-0.036 χ^2/NDF:472996.3/19

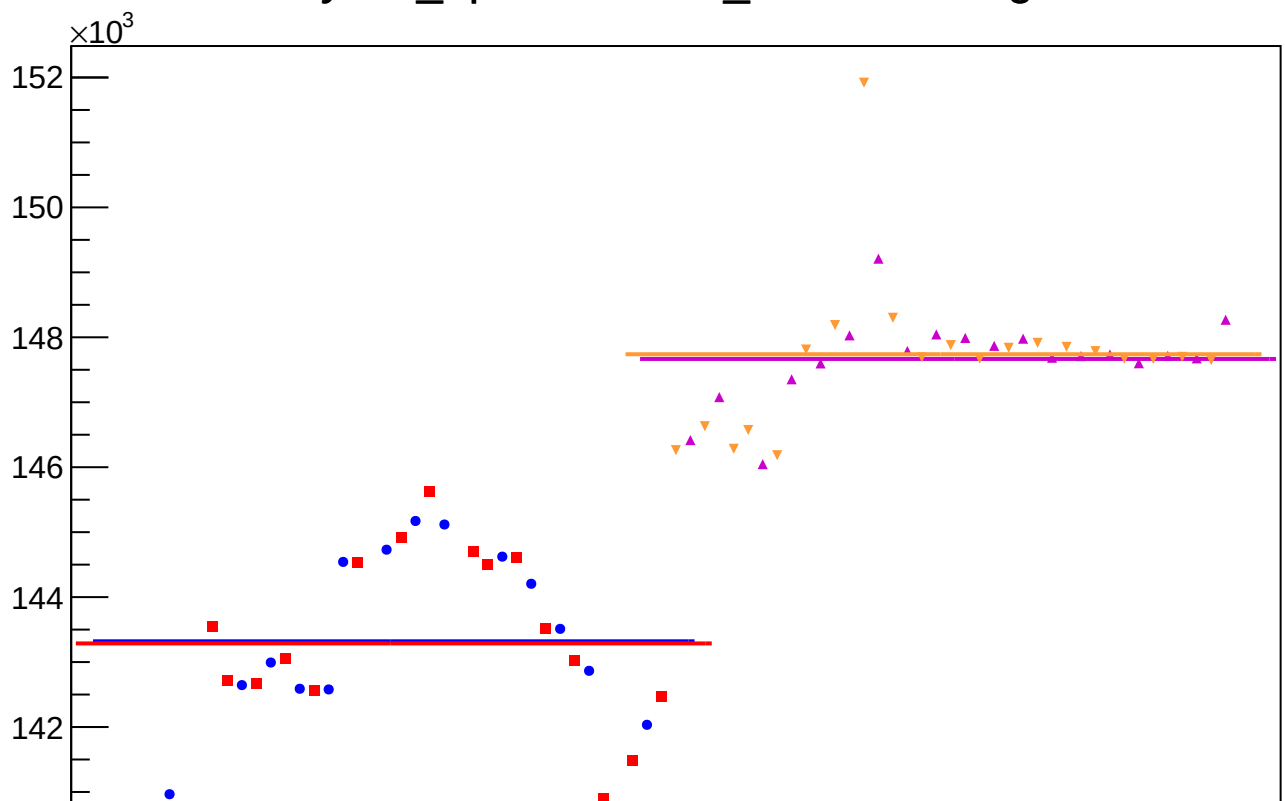
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 206.993+/-0.038 χ^2/NDF:508255.4/18

+ sign 184.336+/-0.028 χ^2/NDF: 2247138.2/35

All: 183.742+/-0.020 χ^2/NDF: 4930562.0/73

- sign 183.147+/-0.028 χ^2/NDF: 2682532.7/37



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147739.024+/-0.048 χ^2/NDF:670877894.3/19

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

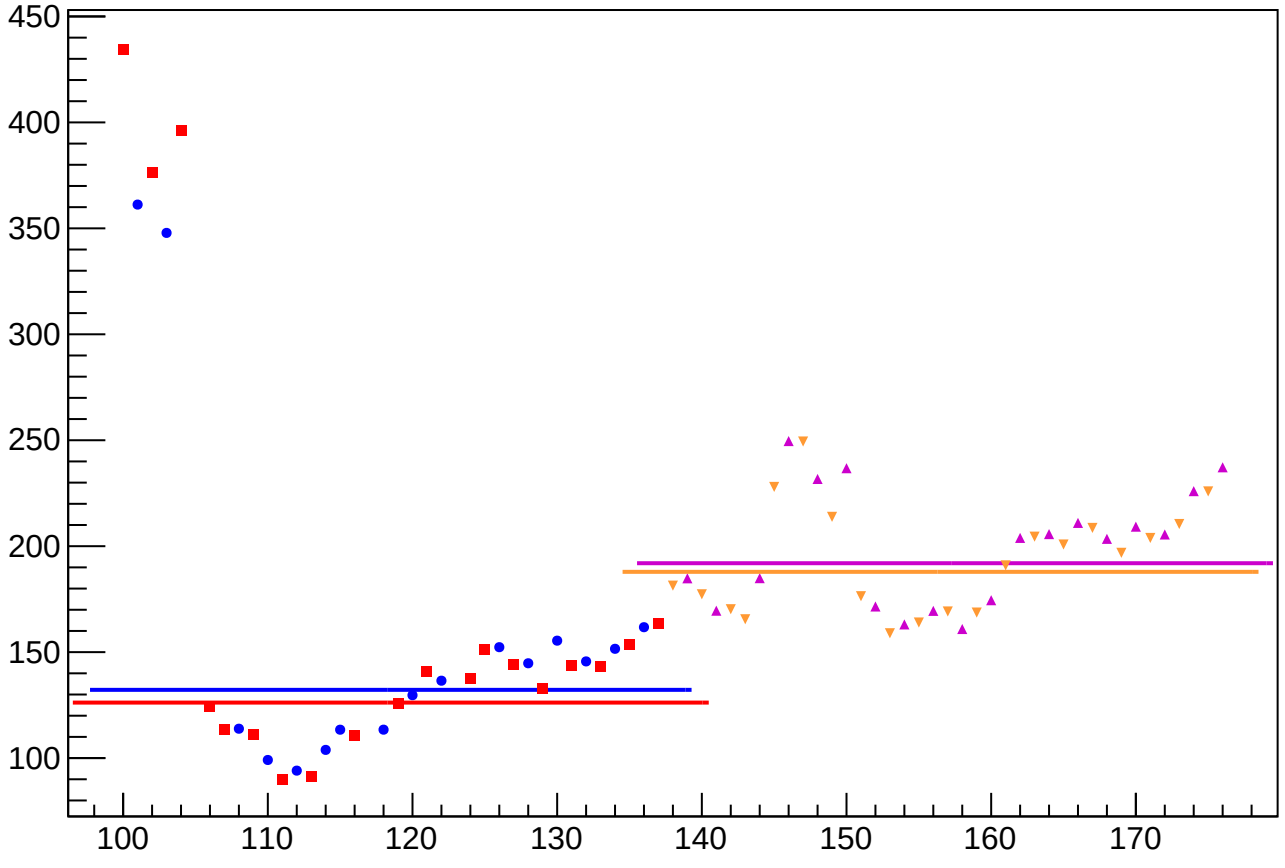
Left In: 147666.607+/-0.049 χ^2/NDF:203968524.7/18

+ sign 145759.357+/-0.036 χ^2/NDF: 5050606526.8

All: 145621.273+/-0.025 χ^2/NDF: 98045407

- sign 145486.964+/-0.035 χ^2/NDF: 4724181599.9/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 187.897+/-0.034 χ^2/NDF:467551.4/19

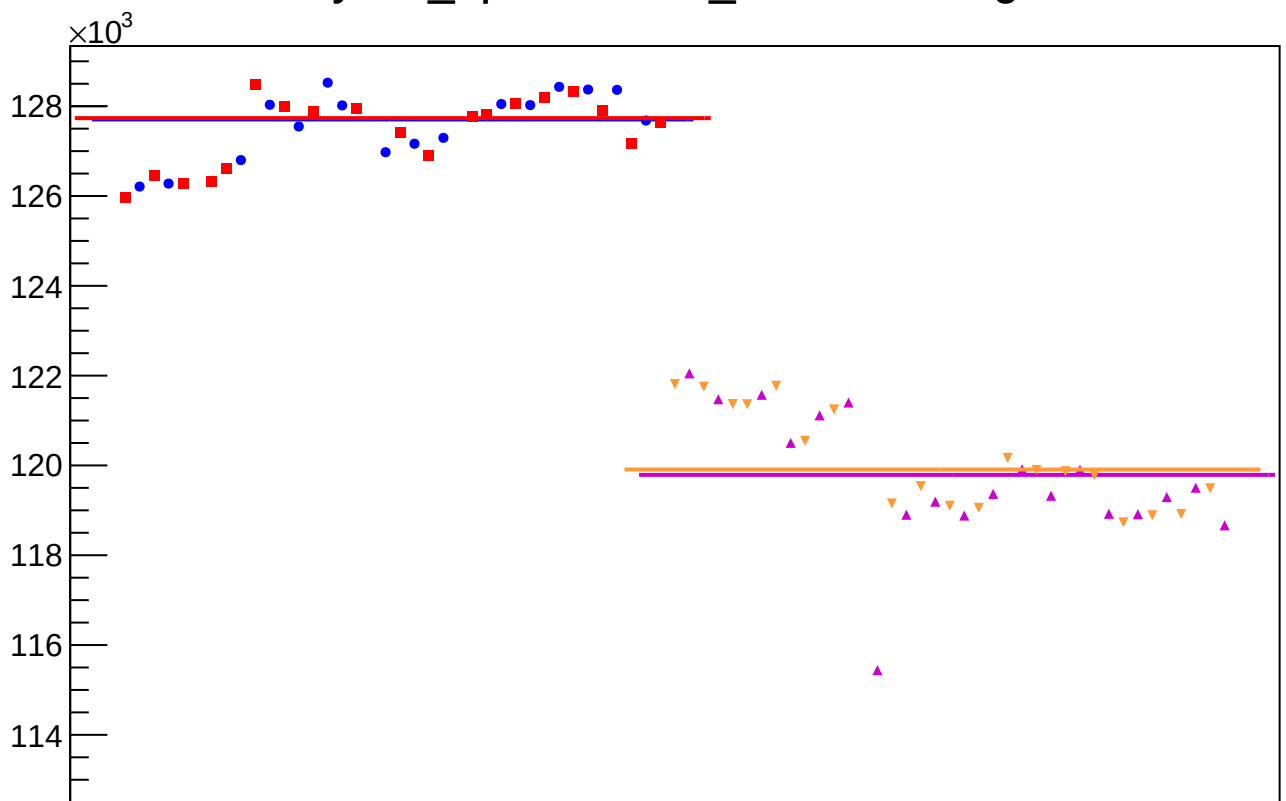
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 191.965+/-0.035 χ^2/NDF:558172.2/18

+ sign 162.949+/-0.025 χ^2/NDF: 3060151.6/35

All: 161.064+/-0.018 χ^2/NDF: 6933531.5/73

- sign 159.231+/-0.025 χ^2/NDF: 3862292.2/37



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119908.886+/-0.048 χ^2/NDF:1823078109.1/19

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

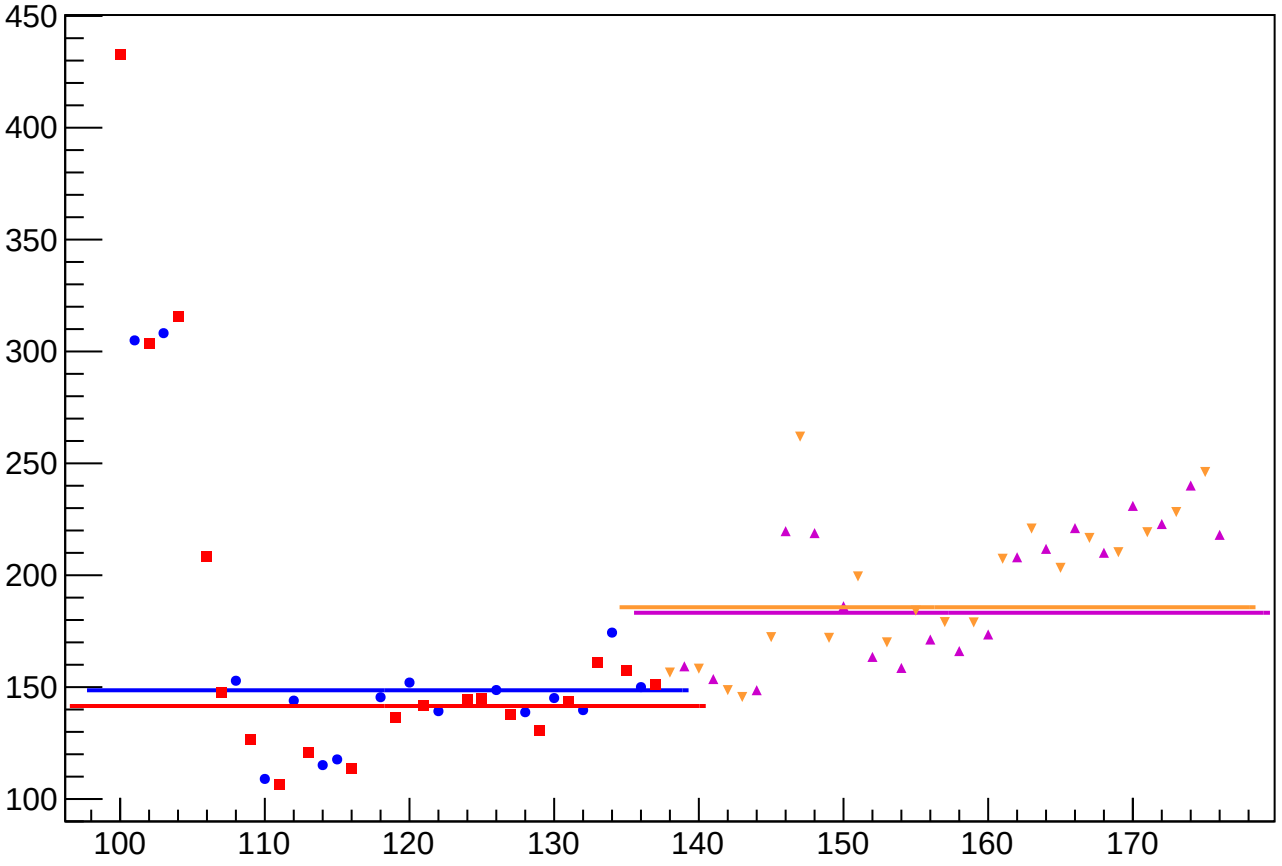
Left In: 119790.071+/-0.048 χ^2/NDF:1207226055.4/18

+ sign 123037.331+/-0.037 χ^2/NDF: 1259214861

All: 123119.680+/-0.026 χ^2/NDF: 25871784

- sign 123197.459+/-0.036 χ^2/NDF: 13270005939.5

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 185.706+/-0.034 χ^2/NDF:769541.0/19

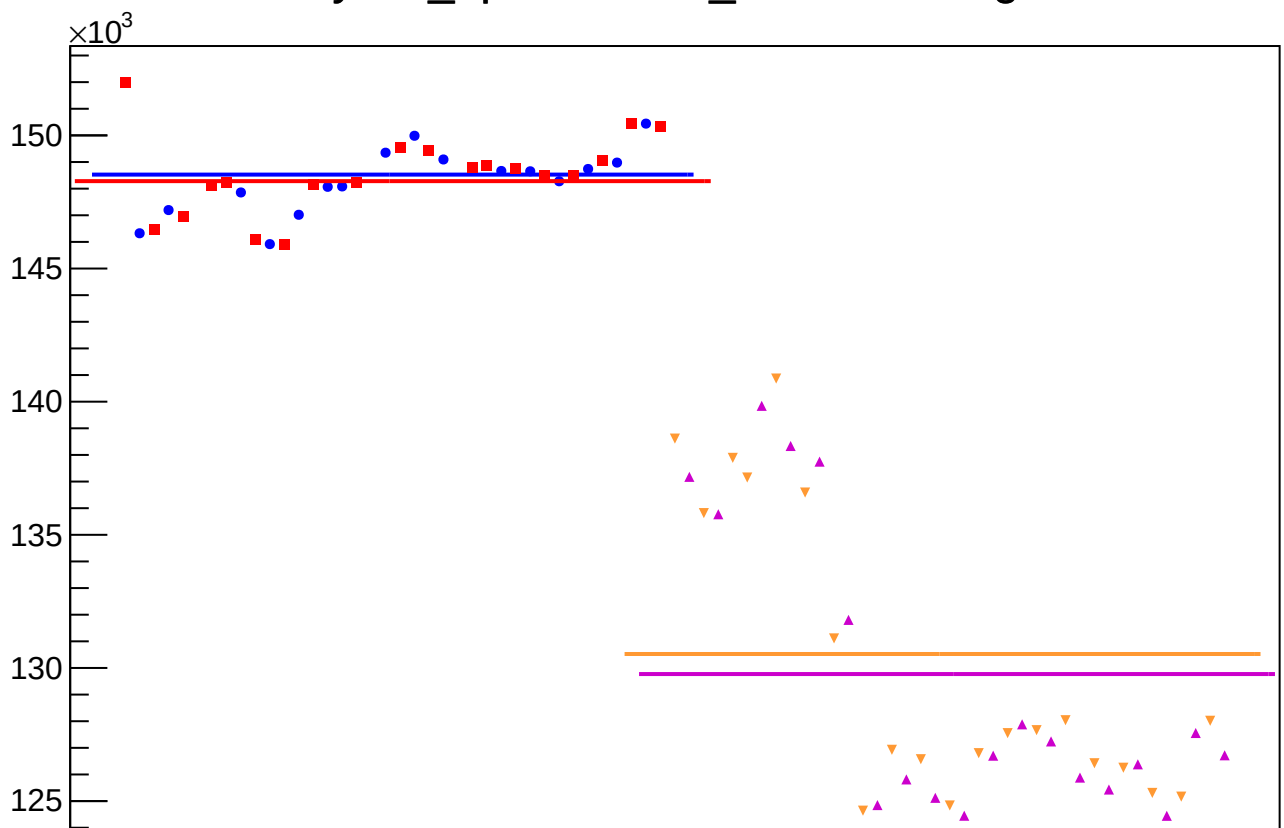
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 183.232+/-0.034 χ^2/NDF:737370.8/18

+ sign 170.813+/-0.026 χ^2/NDF: 2080566.7/35

All: 168.009+/-0.018 χ^2/NDF: 4499179.6/73

- sign 165.360+/-0.025 χ^2/NDF: 2396275.7/37



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130524.393+/-0.069 χ^2/NDF:6016637118.0/19

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

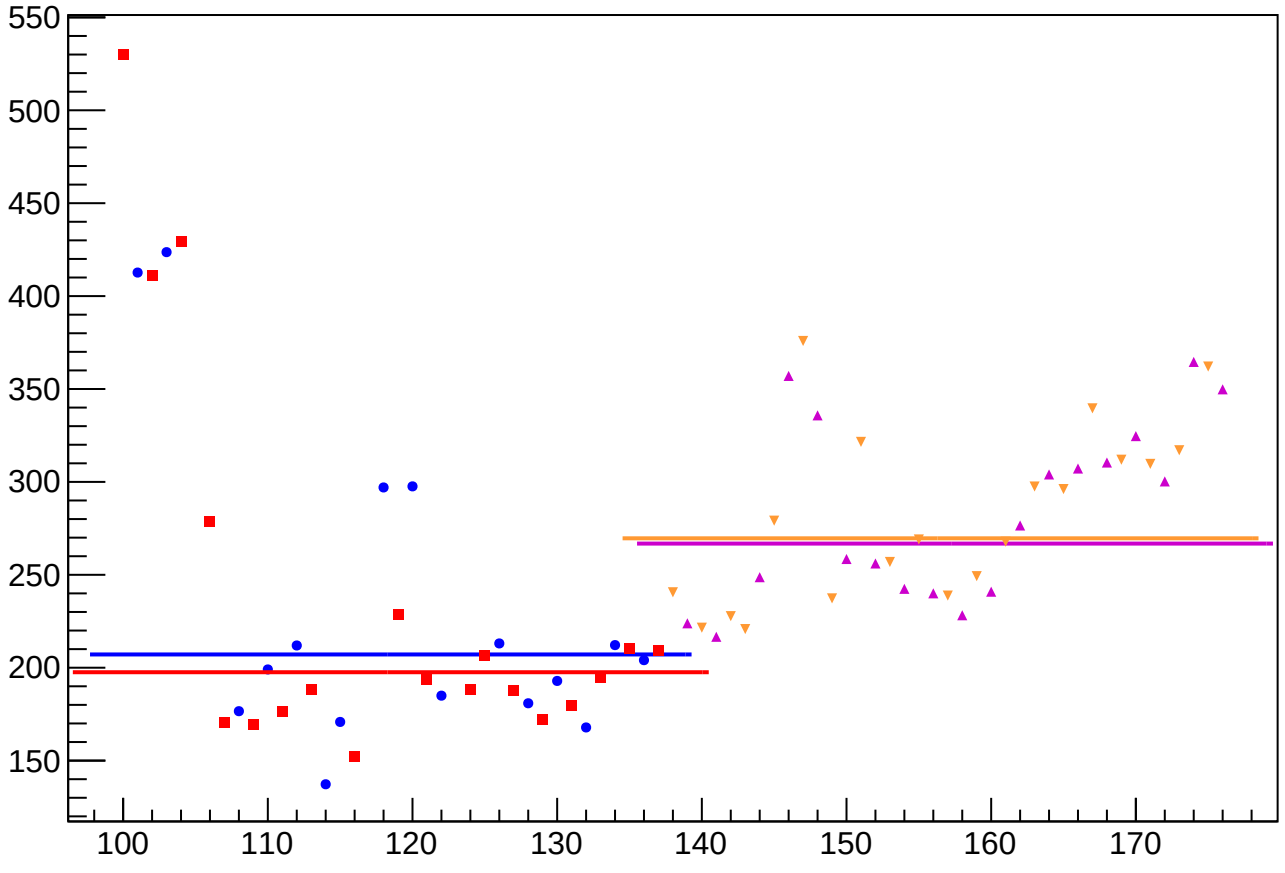
Left In: 129771.329+/-0.069 χ^2/NDF:6260619017.9/18

+ sign 138007.815+/-0.053 χ^2/NDF: 34433556925.

All: 138041.480+/-0.037 χ^2/NDF: 73191319

- sign 138073.227+/-0.051 χ^2/NDF: 38756973732.7

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 269.641+/-0.049 χ^2/NDF:746671.3/19

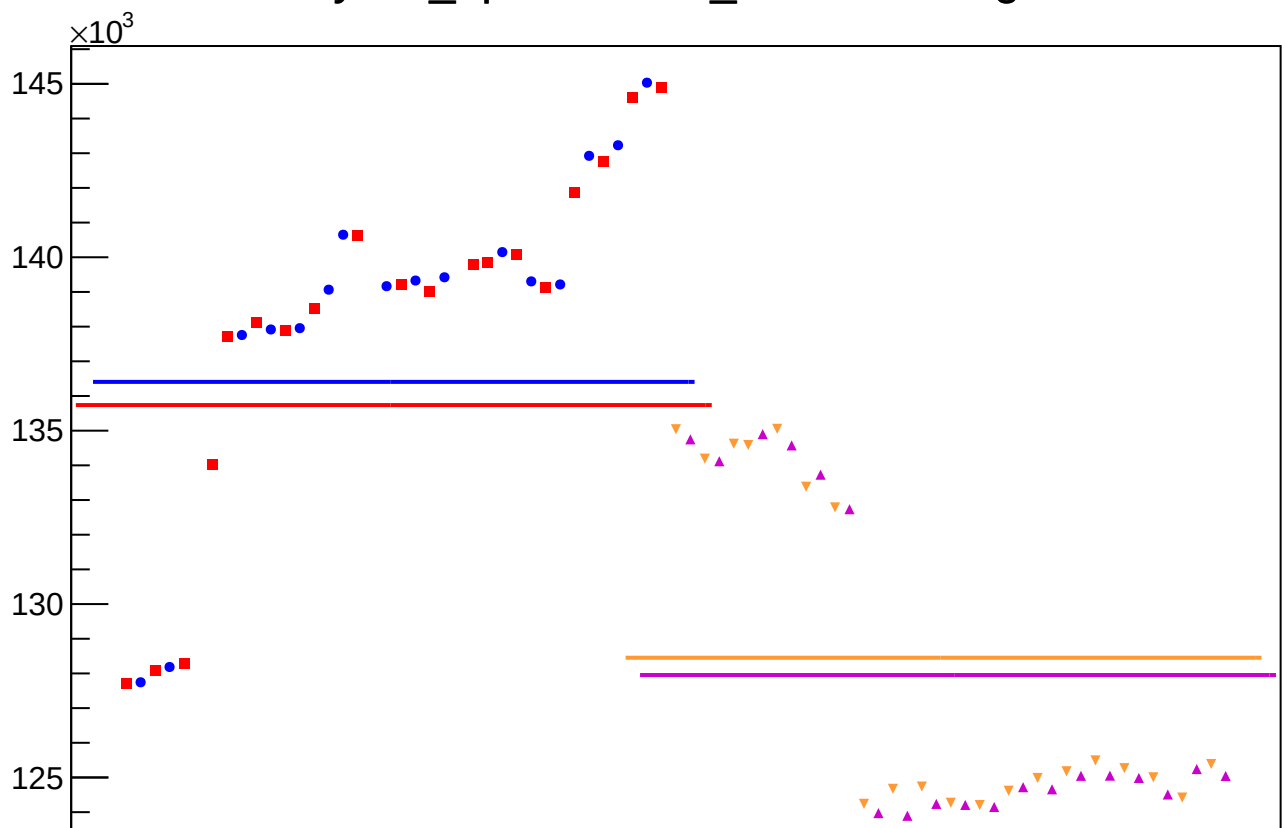
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 266.805+/-0.049 χ^2/NDF:795363.9/18

+ sign 243.659+/-0.037 χ^2/NDF: 2398938.5/35

All: 239.591+/-0.026 χ^2/NDF: 5022313.7/73

- sign 235.754+/-0.036 χ^2/NDF: 2600328.9/37



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 128452.780+/-0.150 χ^2/NDF:970592847.6/19

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

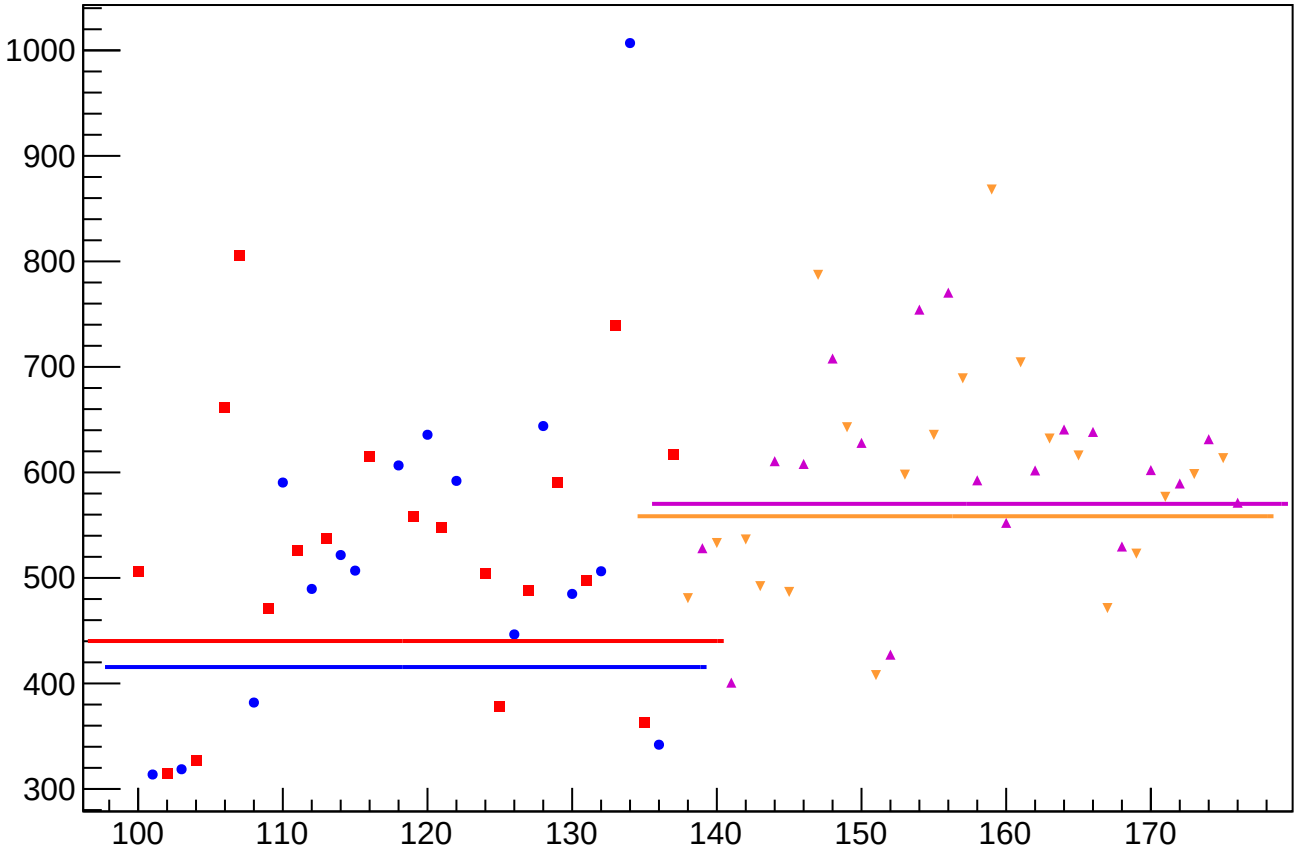
Left In: 127954.454+/-0.156 χ^2/NDF:877314400.0/18

+ sign 131973.095+/-0.112 χ^2/NDF: 3788690387.6

All: 131687.734+/-0.081 χ^2/NDF: 694147706

- sign 131376.403+/-0.117 χ^2/NDF: 3139248308.5/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 558.469+/-0.106 χ^2/NDF:877419.2/19

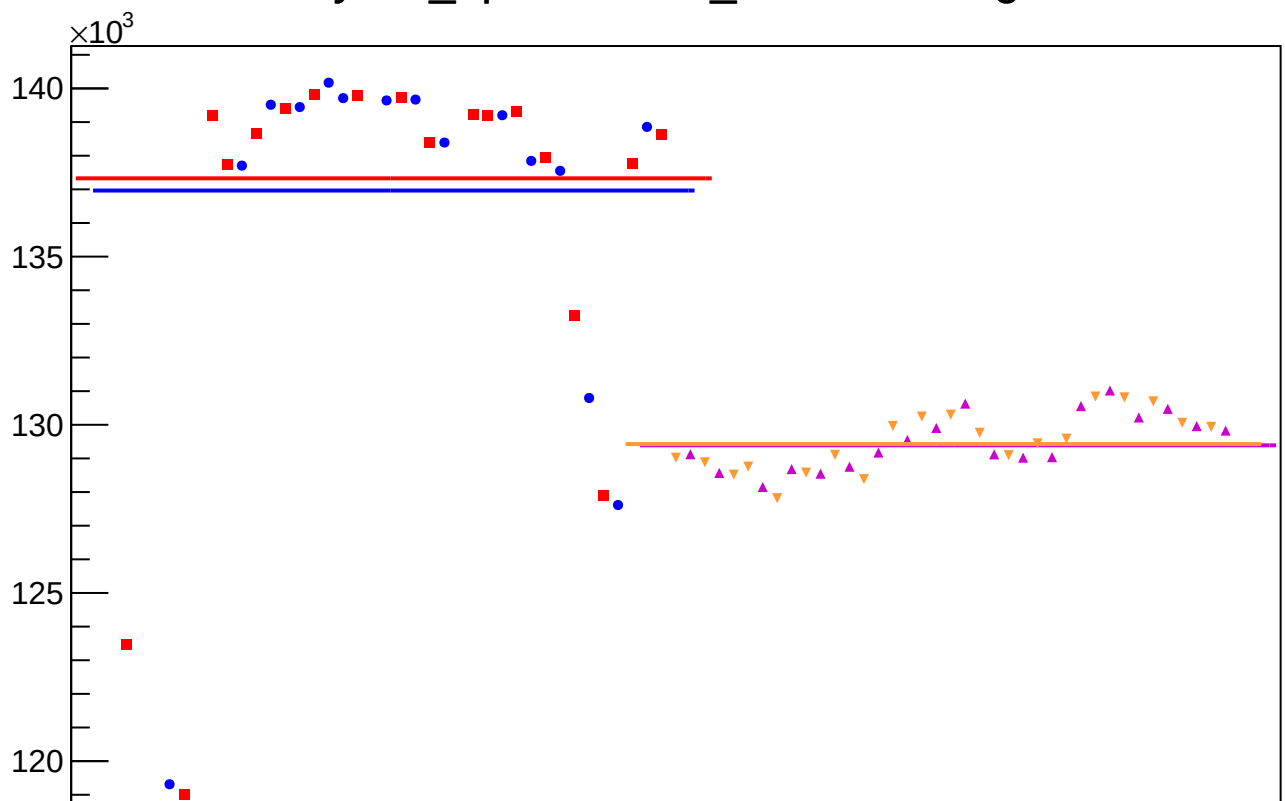
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 570.208+/-0.111 χ^2/NDF:744739.9/18

+ sign 495.215+/-0.079 χ^2/NDF: 2710368.6/35

All: 503.750+/-0.057 χ^2/NDF: 4996865.2/73

- sign 513.062+/-0.083 χ^2/NDF: 2262274.1/37



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129427.013+/-0.050 χ^2/NDF:276699696.7/19

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

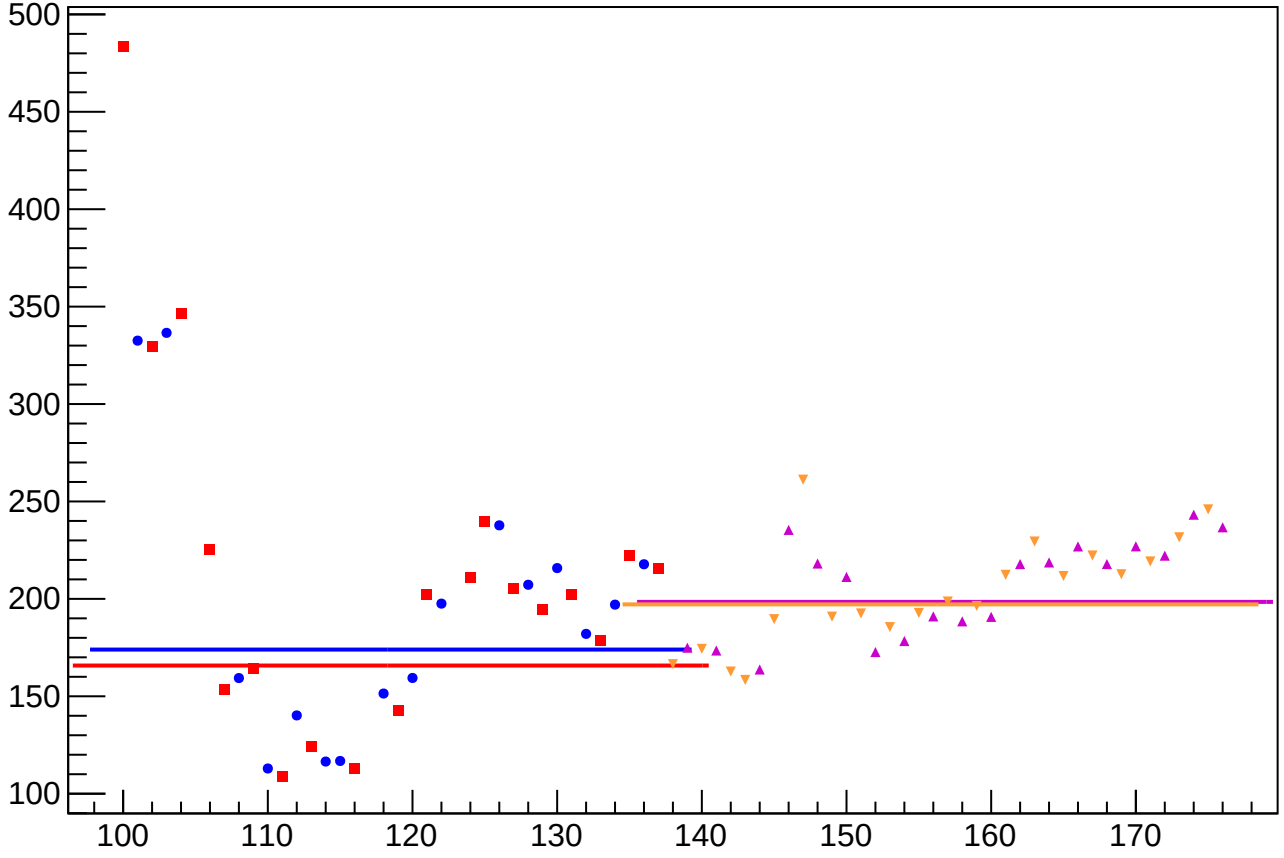
Left In: 129389.576+/-0.051 χ^2/NDF:251221059.8/18

+ sign 132013.600+/-0.041 χ^2/NDF: 13761110082.8

All: 132204.791+/-0.029 χ^2/NDF: 28890401

- sign 132391.454+/-0.040 χ^2/NDF: 15085988788.8

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 197.175+/-0.036 χ^2/NDF:515317.2/19

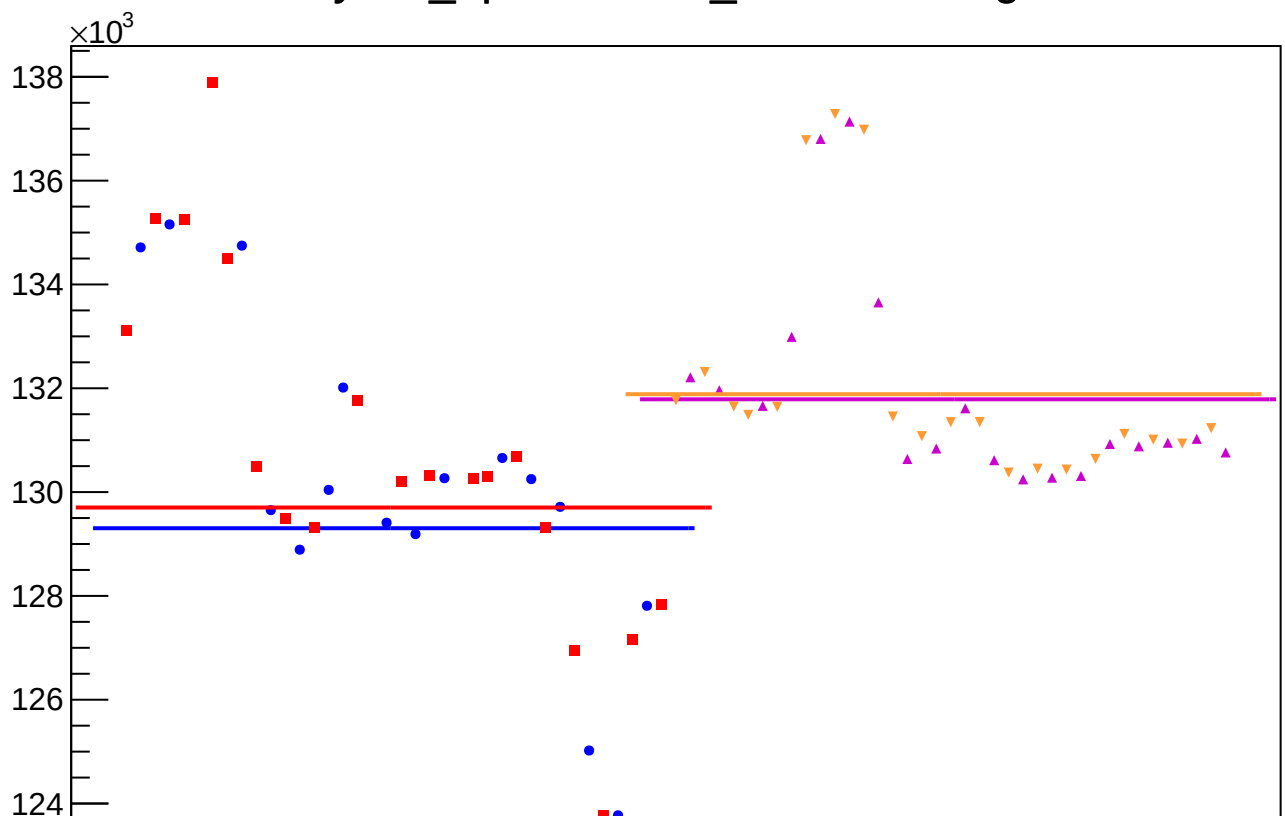
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 198.451+/-0.036 χ^2/NDF:467154.1/18

+ sign 189.216+/-0.029 χ^2/NDF: 1849162.1/35

All: 187.638+/-0.020 χ^2/NDF: 4063589.4/73

- sign 186.096+/-0.029 χ^2/NDF: 2208521.2/37



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131885.685+/-0.050 χ^2/NDF:1349418976.8/19

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

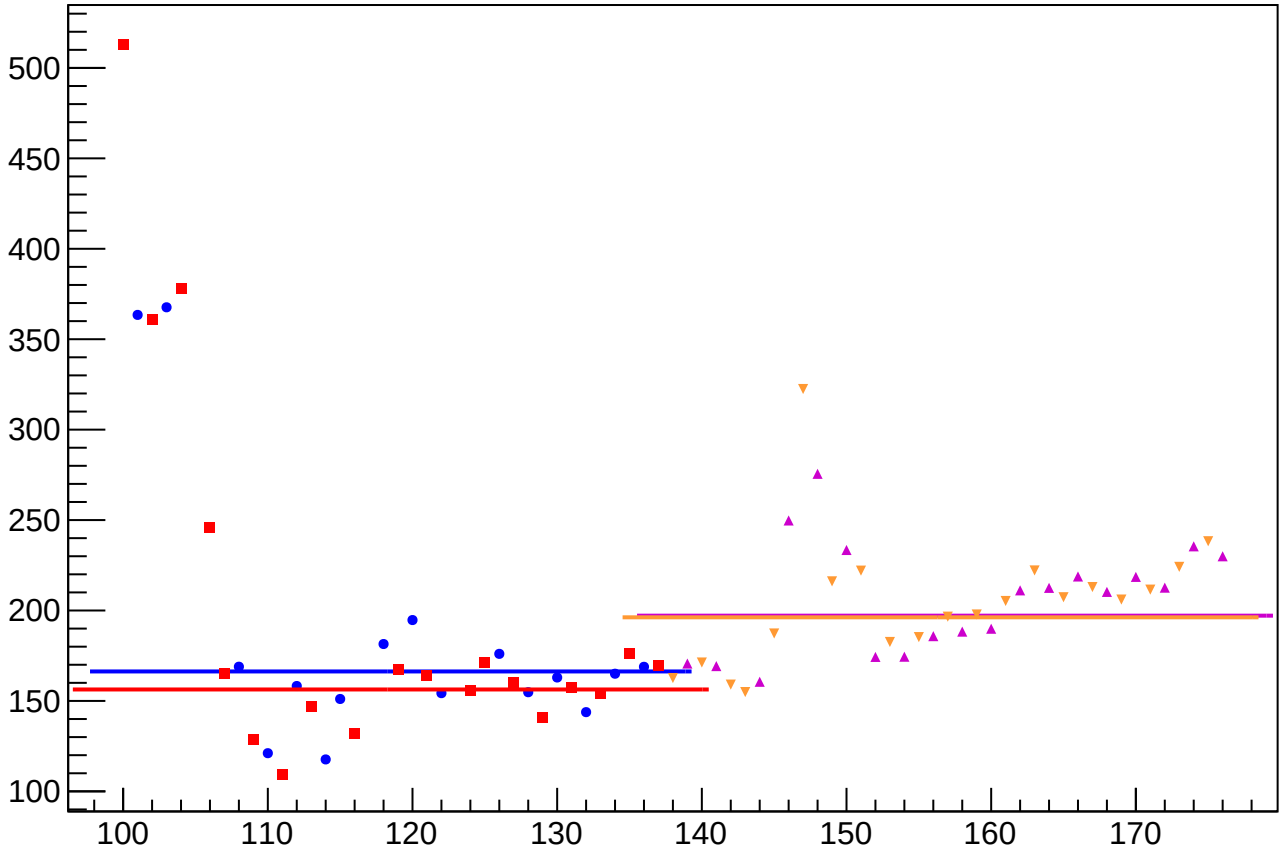
Left In: 131787.528+/-0.051 χ^2/NDF:1104003703.8/18

+ sign 130938.936+/-0.040 χ^2/NDF: 3962863739.1

All: 130938.678+/-0.028 χ^2/NDF: 752491562

- sign 130938.430+/-0.039 χ^2/NDF: 3562051802.2/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 196.228+/-0.036 χ^2/NDF:688064.6/19

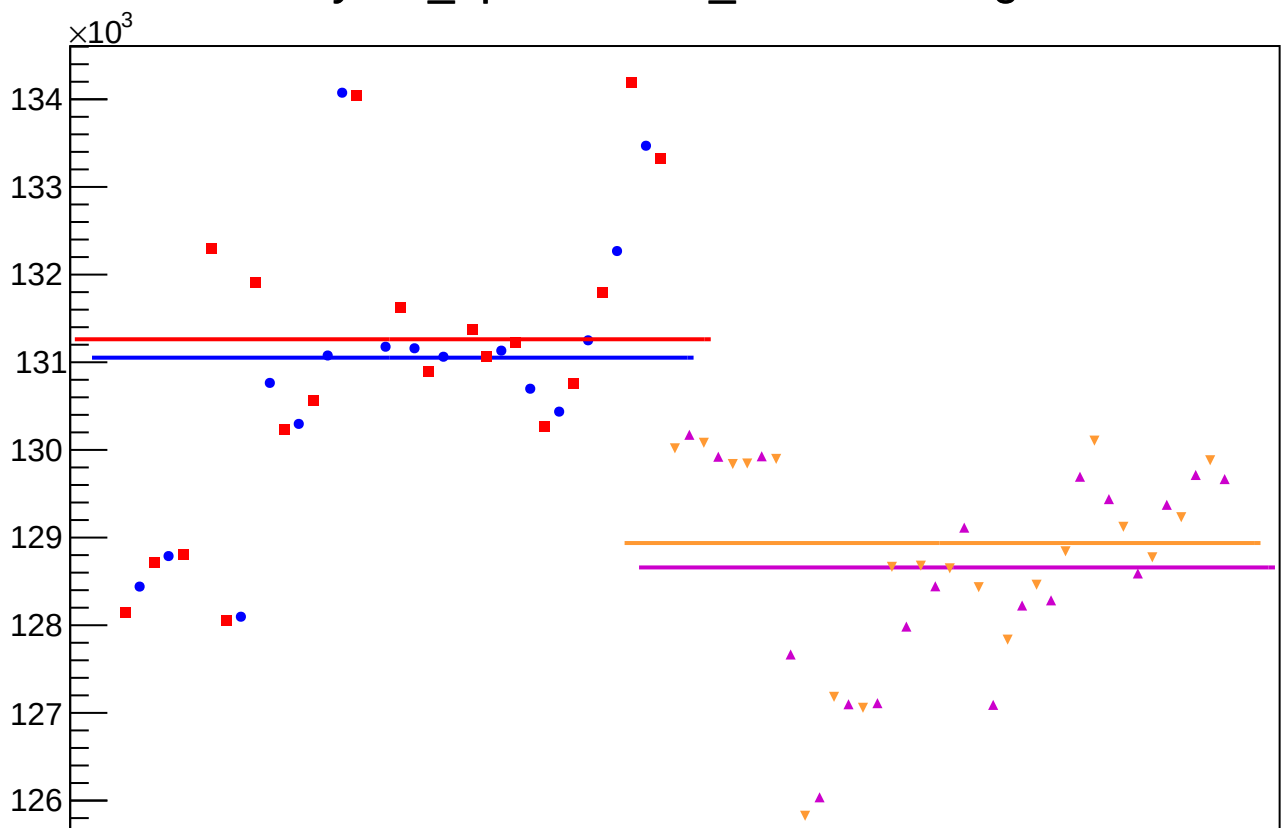
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 197.145+/-0.036 χ^2/NDF:625937.3/18

+ sign 185.254+/-0.028 χ^2/NDF: 1884825.3/35

All: 182.841+/-0.020 χ^2/NDF: 4219107.9/73

- sign 180.524+/-0.028 χ^2/NDF: 2320078.6/37



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128937.736+/-0.049 χ^2/NDF:478697055.6/19

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

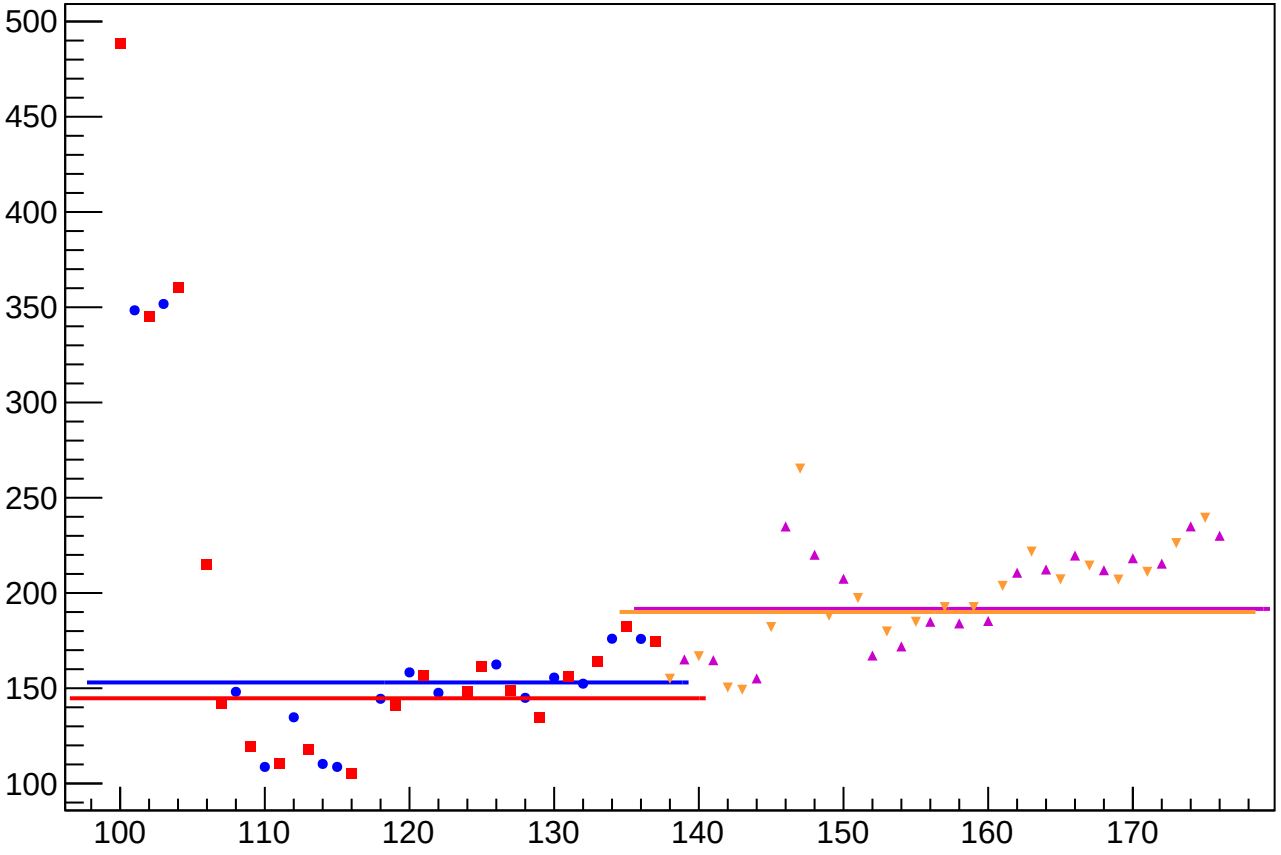
Left In: 128659.303+/-0.049 χ^2/NDF:579124501.4/18

+ sign 129766.218+/-0.038 χ^2/NDF: 1742069975.1

All: 129775.960+/-0.027 χ^2/NDF: 41228681

- sign 129785.352+/-0.037 χ^2/NDF: 2380668739.9/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 190.046+/-0.034 χ^2/NDF:639499.1/19

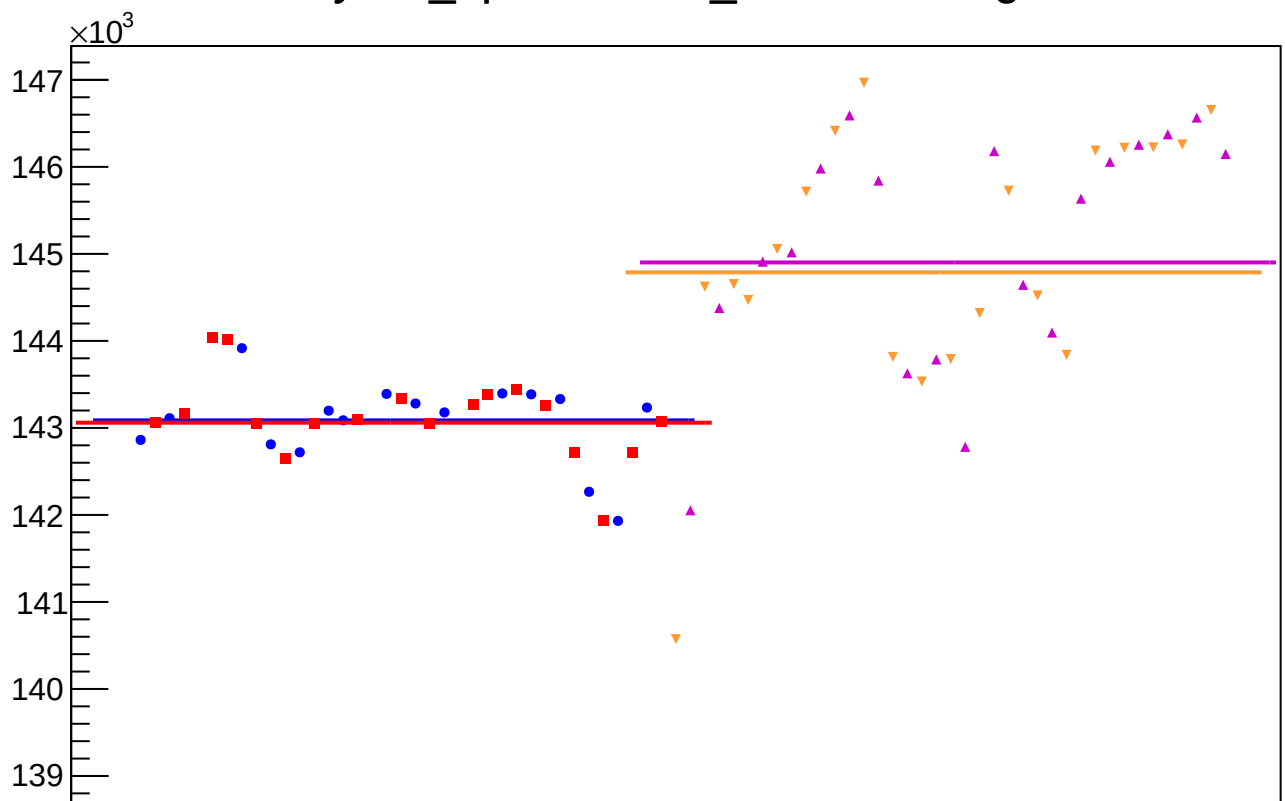
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 191.647+/-0.035 χ^2/NDF:545848.7/18

\+ sign 175.549+/-0.027 χ^2/NDF: 2151913.4/35

All: 173.411+/-0.019 χ^2/NDF: 4751577.0/73

\- sign 171.351+/-0.026 χ^2/NDF: 2587206.3/37



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144787.764+/-0.056 χ^2/NDF:792494575.3/19

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

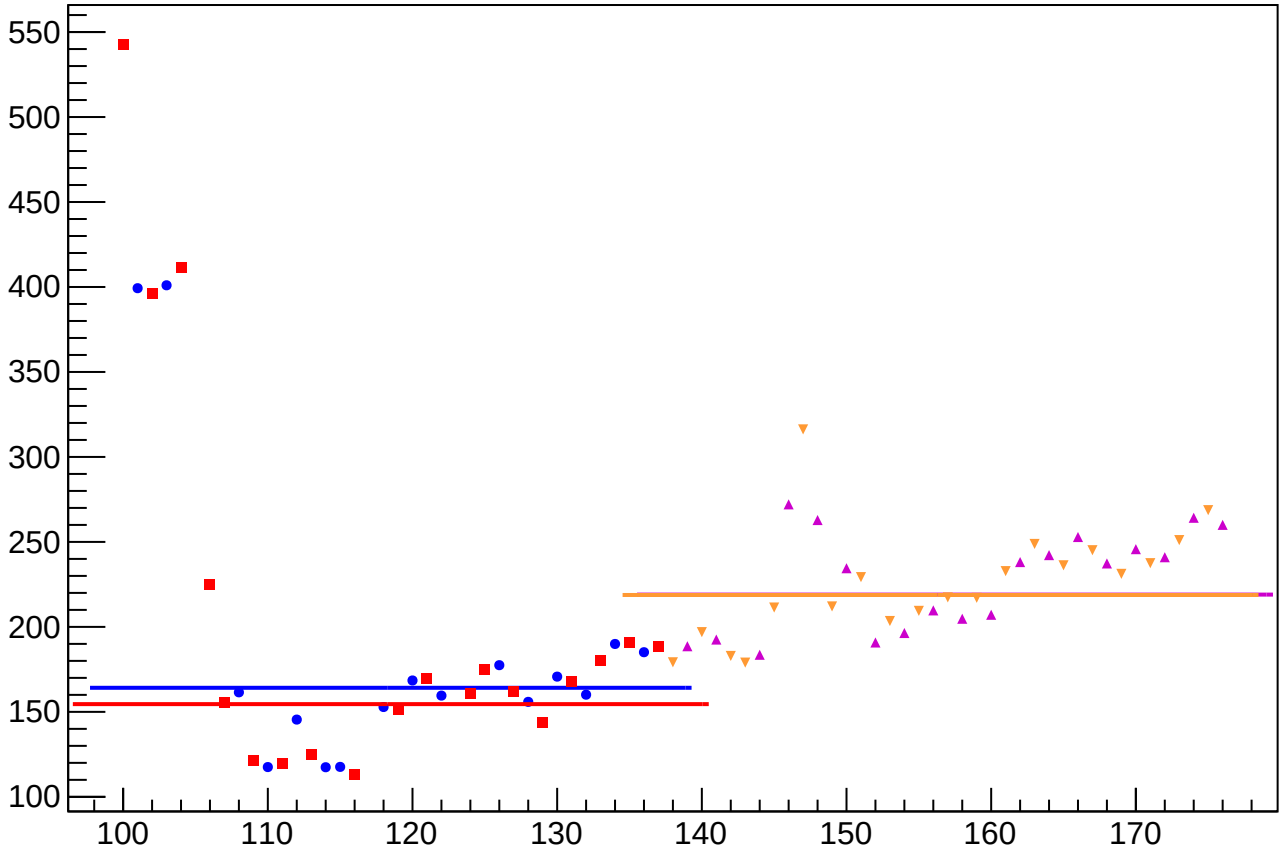
Left In: 144901.783+/-0.057 χ^2/NDF:595671203.8/18

+ sign 144064.040+/-0.042 χ^2/NDF: 1231850456.2

All: 144054.605+/-0.030 χ^2/NDF: 23725542

- sign 144045.650+/-0.041 χ^2/NDF: 1140607457.4/

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 218.776+/-0.040 χ^2/NDF:530863.5/19

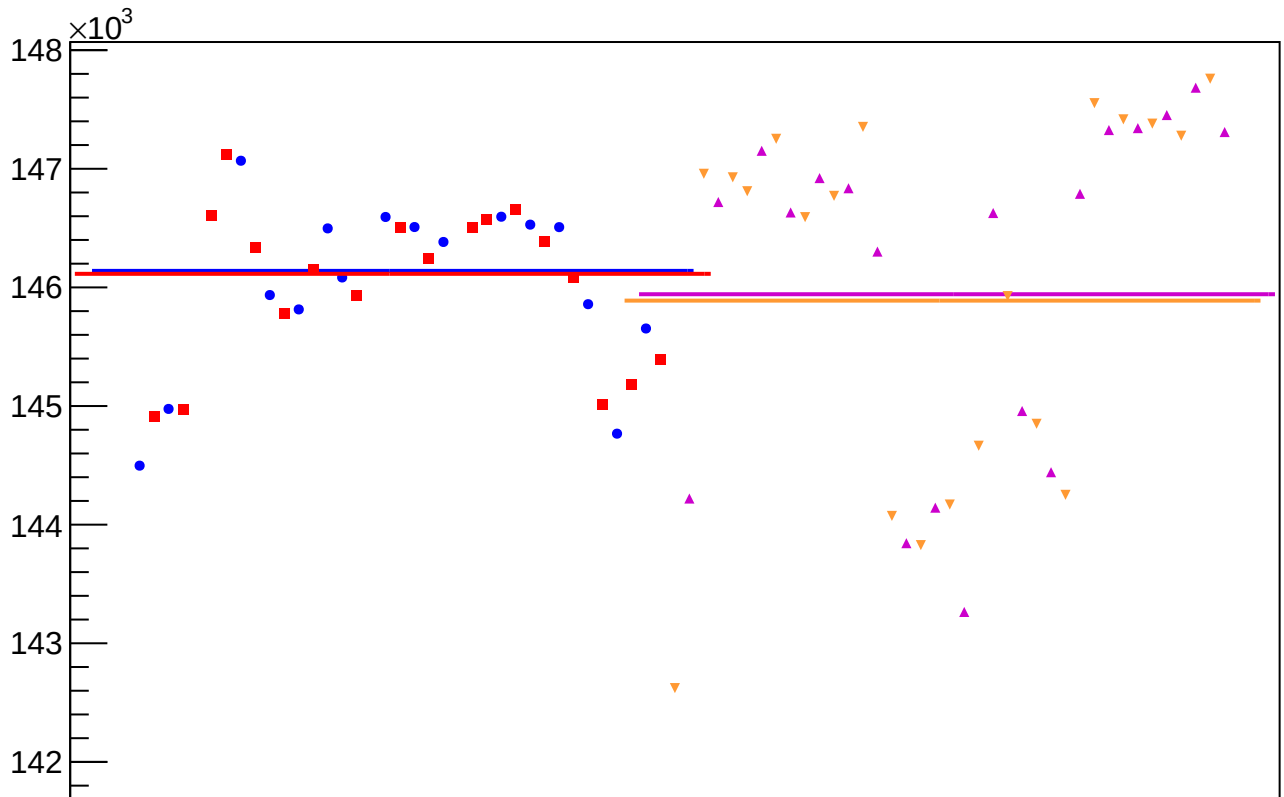
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 218.999+/-0.040 χ^2/NDF:502853.2/18

+ sign 195.545+/-0.030 χ^2/NDF: 2469708.6/35

All: 192.208+/-0.021 χ^2/NDF: 5571441.8/73

- sign 189.040+/-0.029 χ^2/NDF: 3077636.4/37



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145888.687+/-0.056 χ^2/NDF:822997346.7/19

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

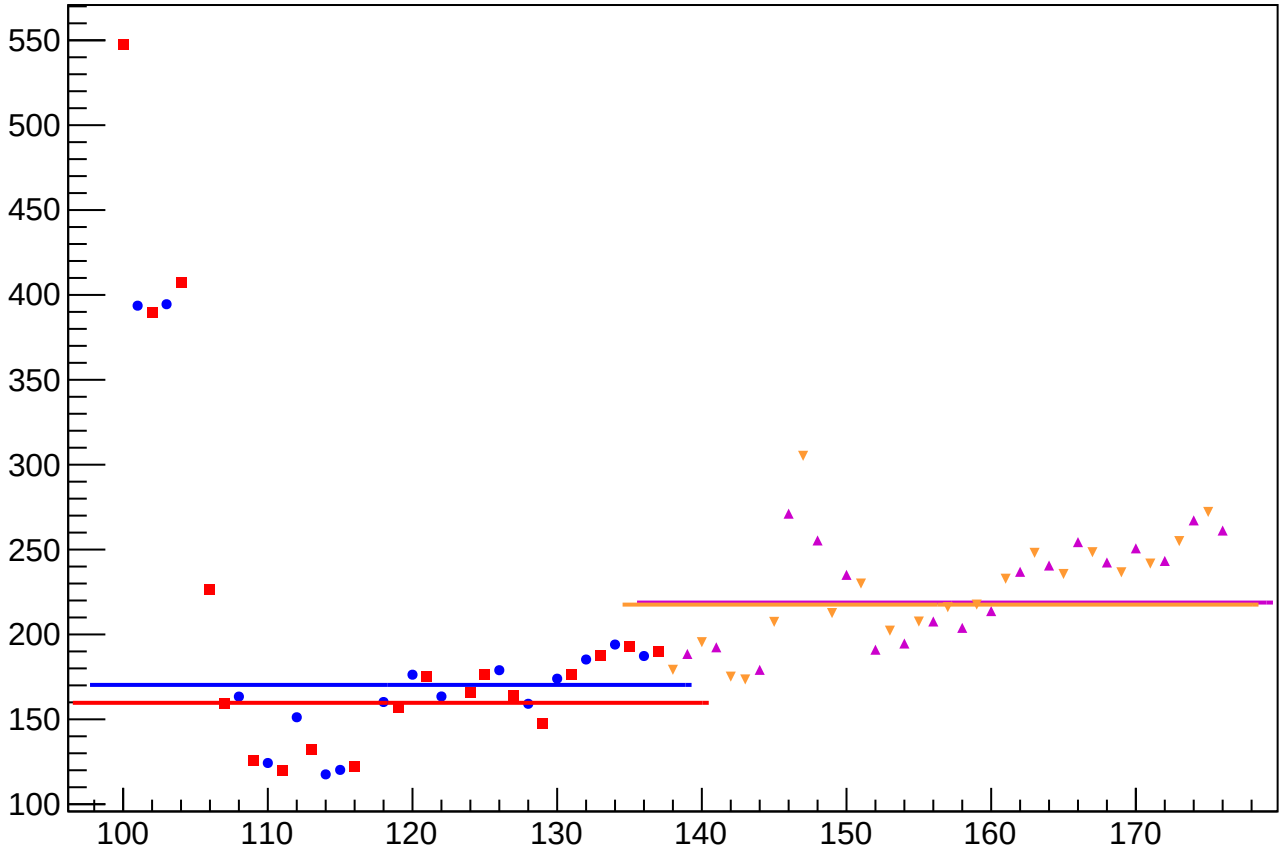
Left In: 145942.483+/-0.057 χ^2/NDF:656085020.5/18

+ sign 145990.409+/-0.043 χ^2/NDF: 902929670.8/3

All: 146005.504+/-0.030 χ^2/NDF: 16365242

- sign 146019.890+/-0.042 χ^2/NDF: 733353232.9/3

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 217.579+/-0.039 χ^2/NDF:589647.9/19

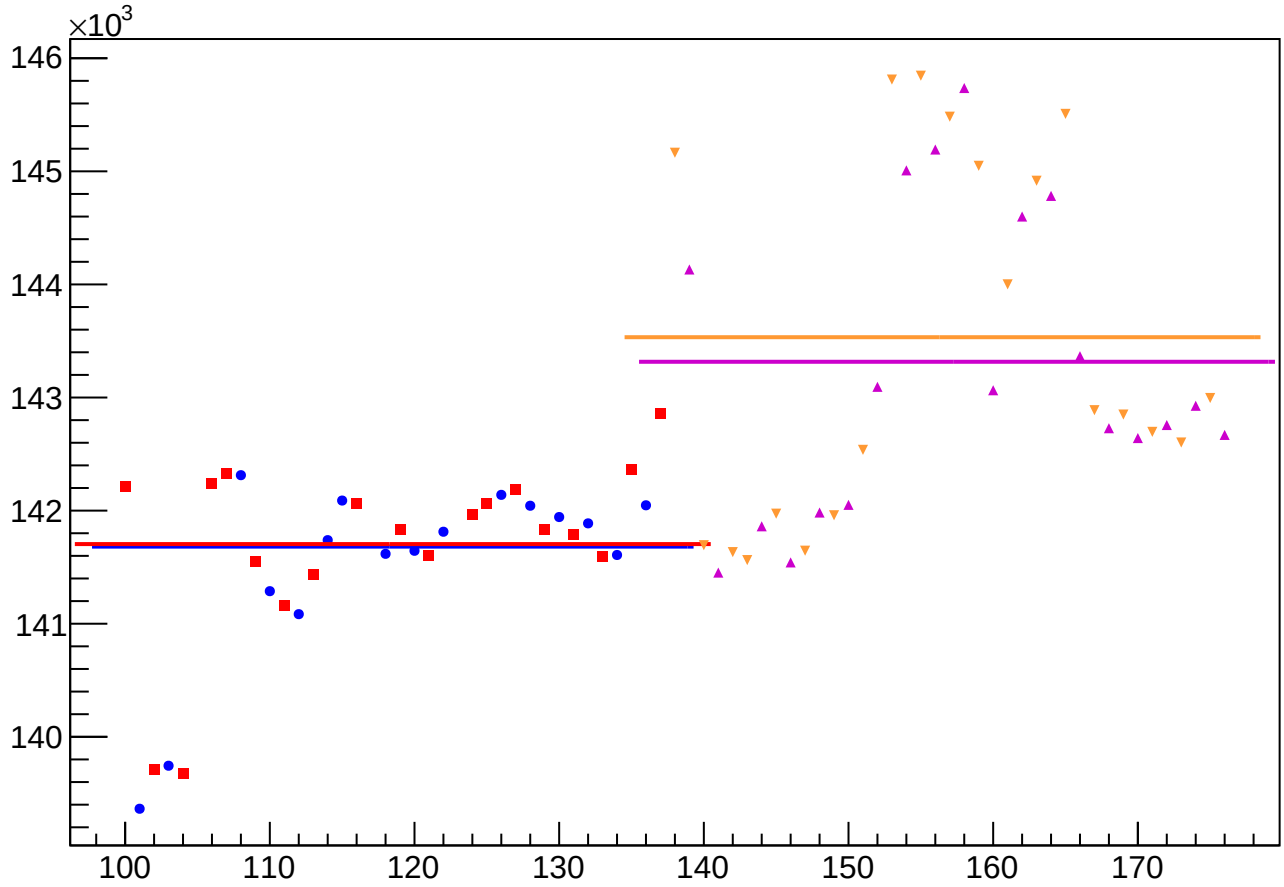
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 218.785+/-0.040 χ^2/NDF:534589.8/18

+ sign 198.375+/-0.030 χ^2/NDF: 2232515.6/35

All: 195.214+/-0.021 χ^2/NDF: 5062294.1/73

- sign 192.201+/-0.030 χ^2/NDF: 2808607.8/37



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143533.254+/-0.058 χ^2/NDF:738823540.7/19

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

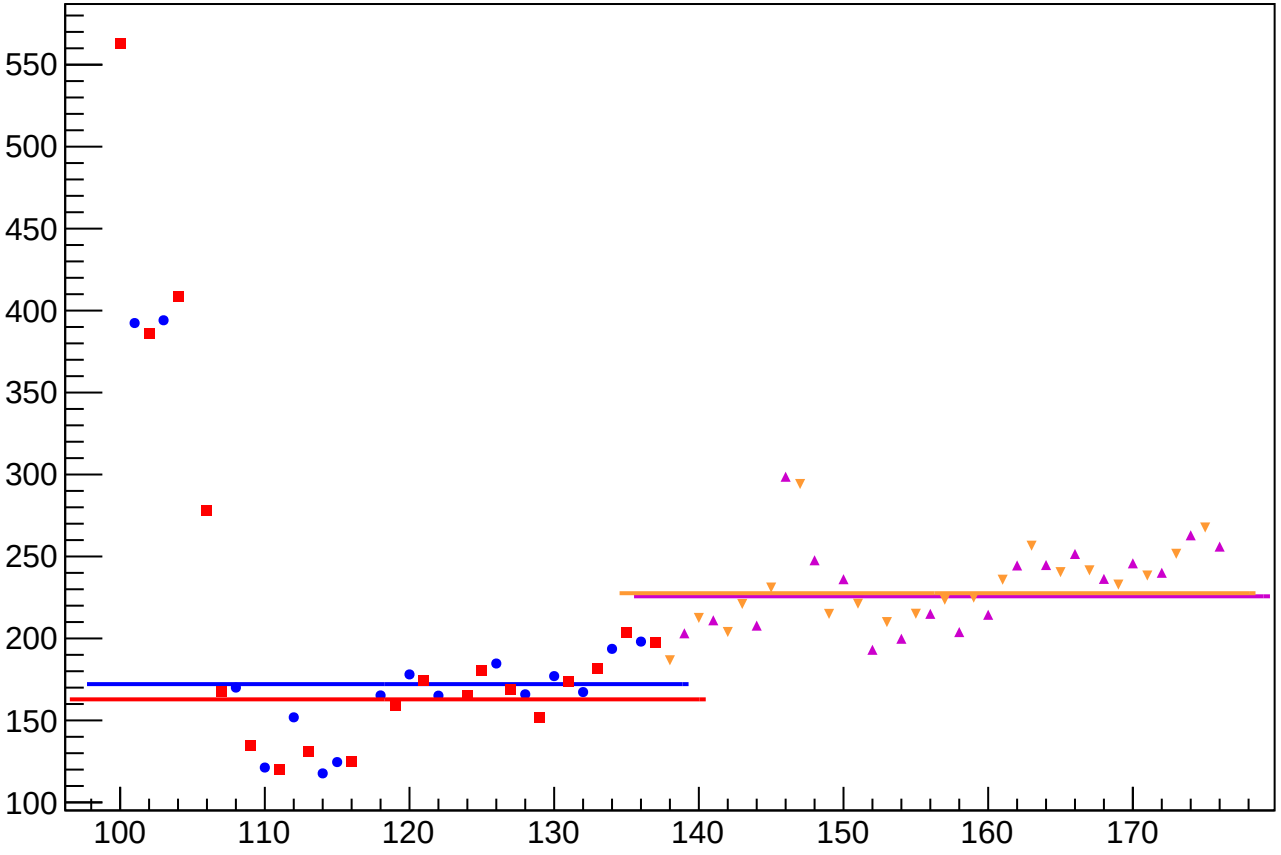
Left In: 143316.112+/-0.058 χ^2/NDF:514230288.7/18

+ sign 142757.819+/-0.044 χ^2/NDF: 1230527664.8

All: 142668.637+/-0.031 χ^2/NDF: 216678634

- sign 142584.219+/-0.043 χ^2/NDF: 928327688.0/3

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 227.595+/-0.041 χ^2/NDF:291222.5/19

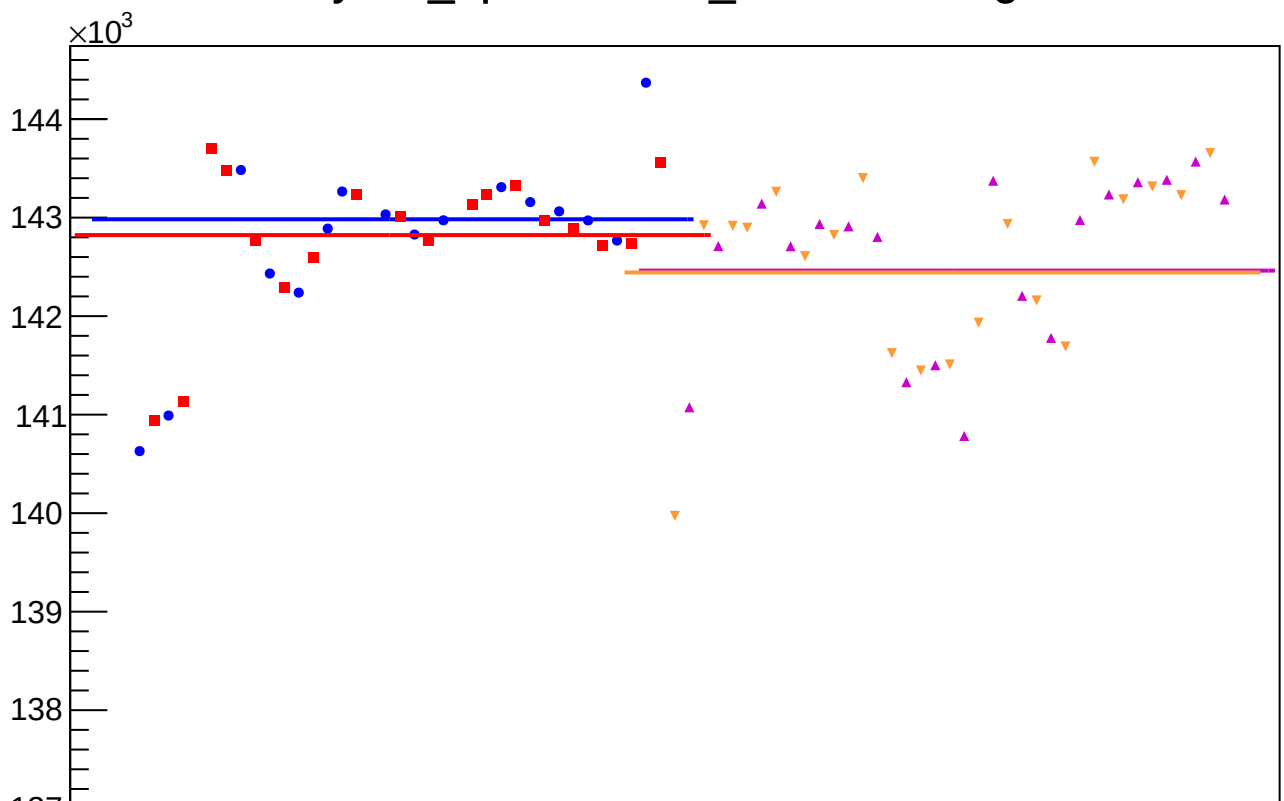
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 225.707+/-0.041 χ^2/NDF:367276.0/18

+ sign 204.368+/-0.031 χ^2/NDF: 2126777.4/35

All: 200.667+/-0.022 χ^2/NDF: 4887477.0/73

- sign 197.164+/-0.030 χ^2/NDF: 2733385.6/37



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142443.721+/-0.055 χ^2/NDF:325909979.4/19

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

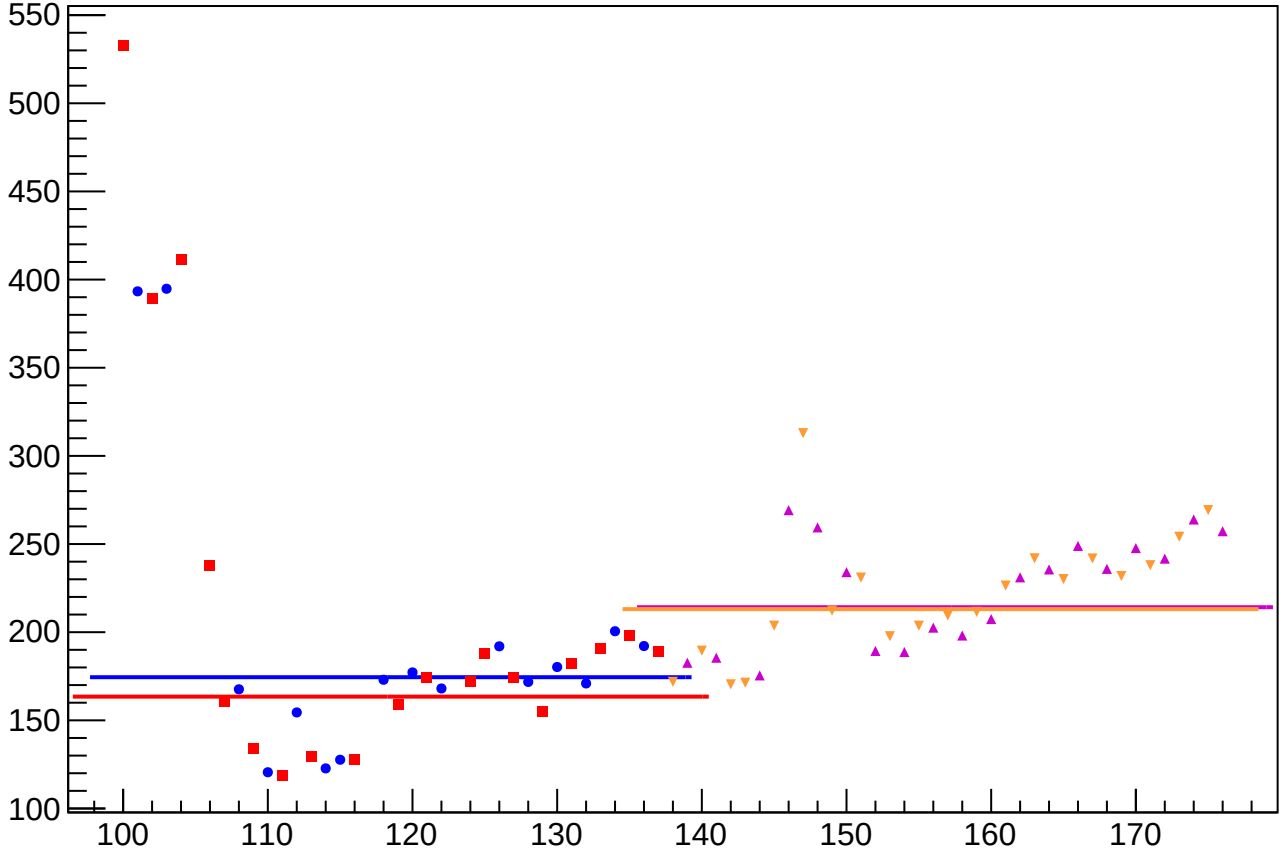
Left In: 142462.131+/-0.055 χ^2/NDF:259658442.0/18

+ sign 142650.847+/-0.043 χ^2/NDF: 471110088.8/3

All: 142633.189+/-0.030 χ^2/NDF: 81283568

- sign 142616.314+/-0.042 χ^2/NDF: 341393194.7/3

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 213.084+/-0.039 χ^2/NDF:652767.6/19

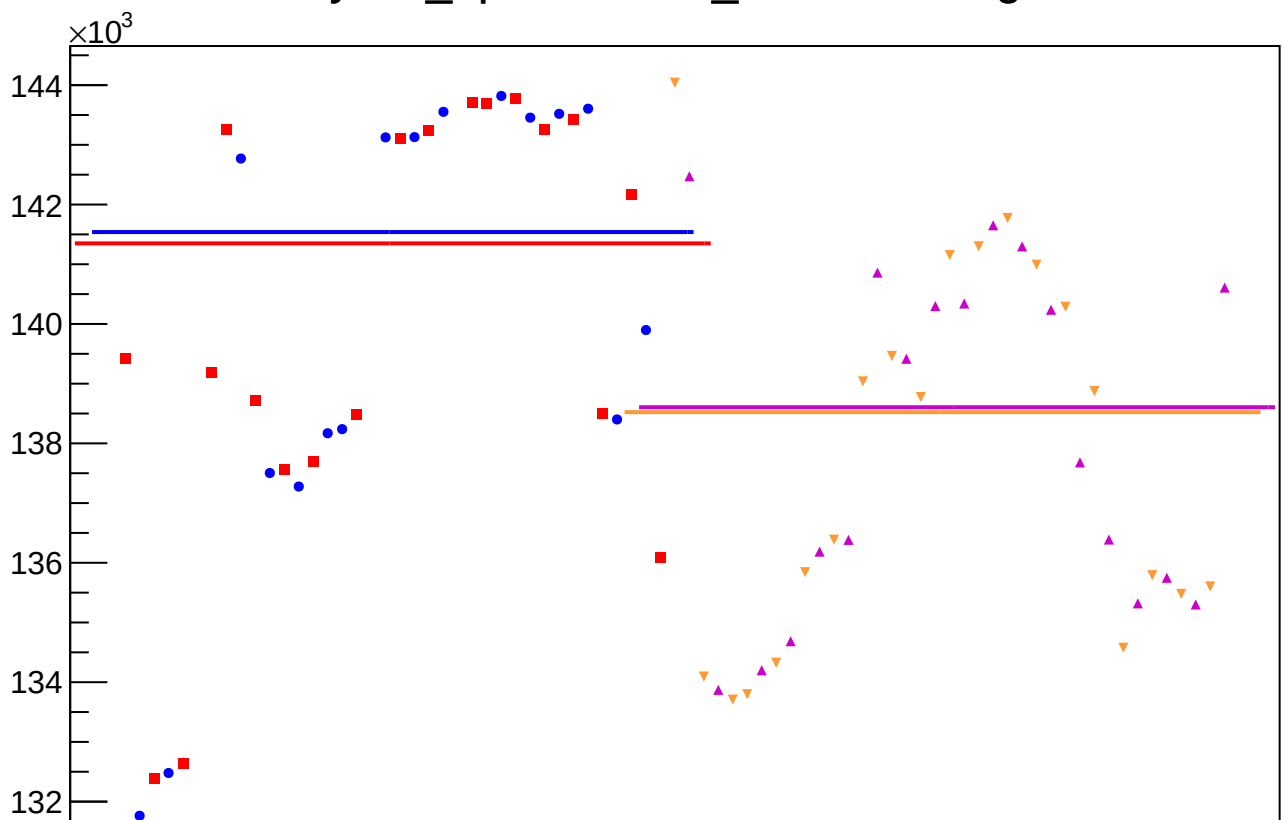
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 214.167+/-0.039 χ^2/NDF:592481.2/18

+ sign 198.252+/-0.030 χ^2/NDF: 2086501.7/35

All: 195.301+/-0.021 χ^2/NDF: 4698317.7/73

- sign 192.481+/-0.030 χ^2/NDF: 2593249.1/37



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138522.781+/-0.079 χ^2/NDF:1786714469.8/19

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

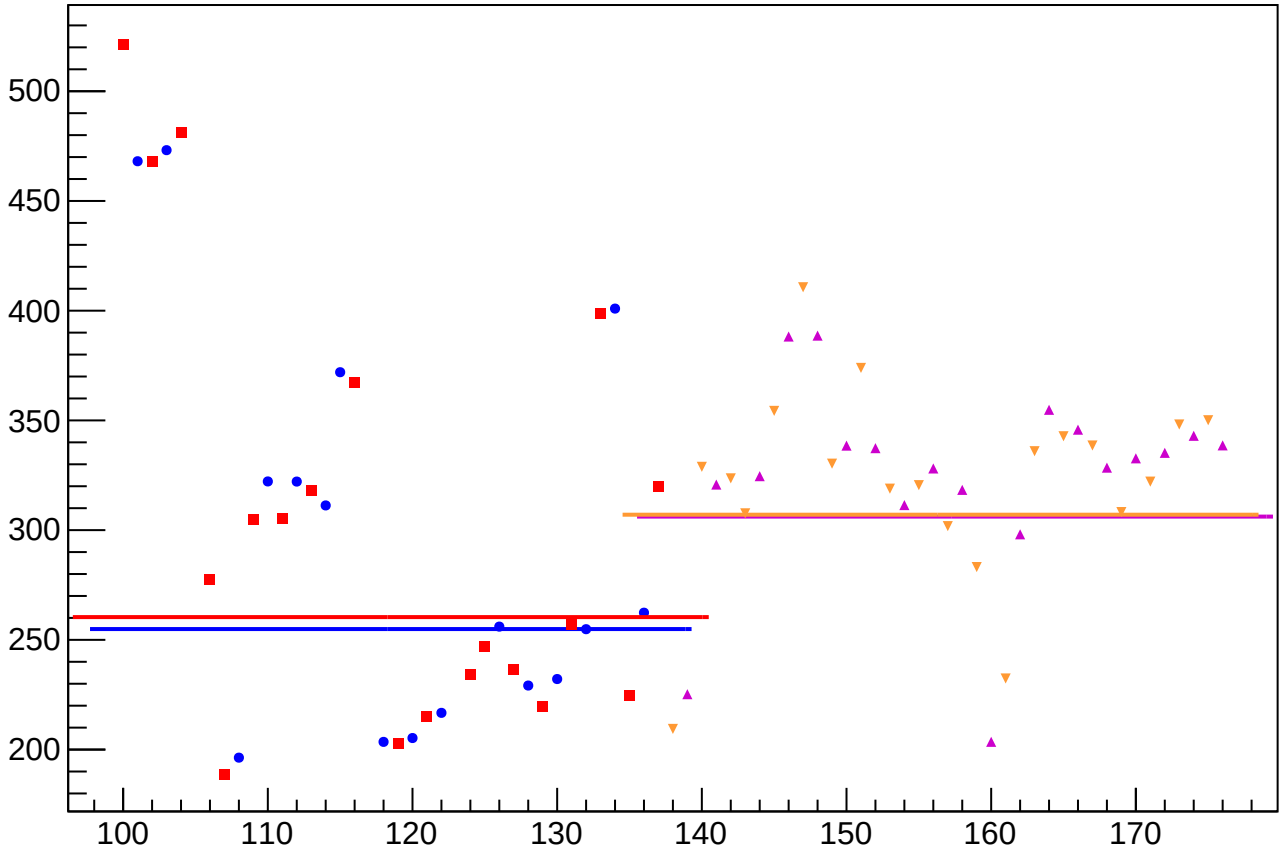
Left In: 138605.189+/-0.080 χ^2/NDF:1365558584.8/18

+ sign 139673.992+/-0.062 χ^2/NDF: 3288199840.1

All: 139668.154+/-0.044 χ^2/NDF: 60338603

- sign 139662.232+/-0.063 χ^2/NDF: 2745642791.3/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 307.032+/-0.056 χ^2/NDF:802244.1/19

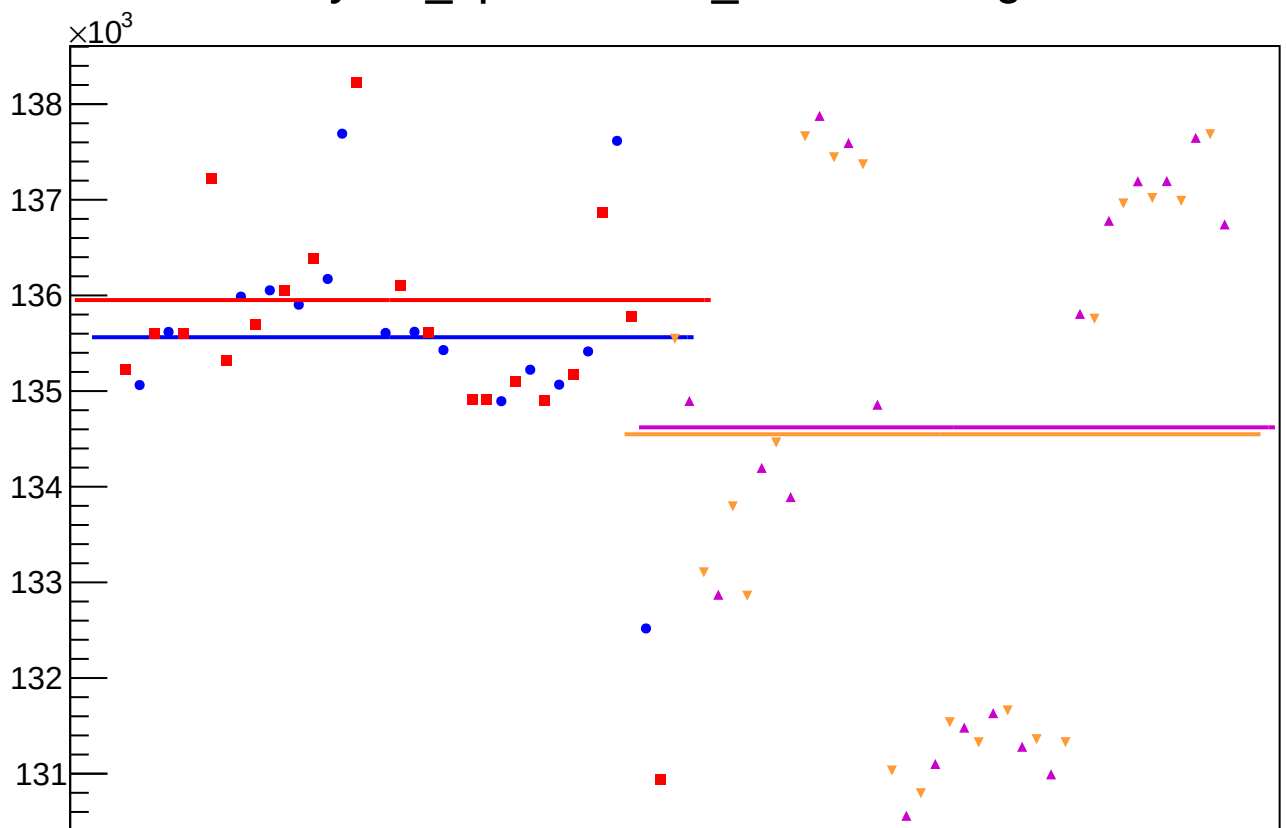
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 306.167+/-0.057 χ^2/NDF:922032.9/18

\+ sign 287.145+/-0.044 χ^2/NDF: 2082692.7/35

All: 287.831+/-0.031 χ^2/NDF: 4251078.3/73

\- sign 288.527+/-0.044 χ^2/NDF: 2167896.9/37



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134548.565+/-0.067 χ^2/NDF:1188006232.0/19

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

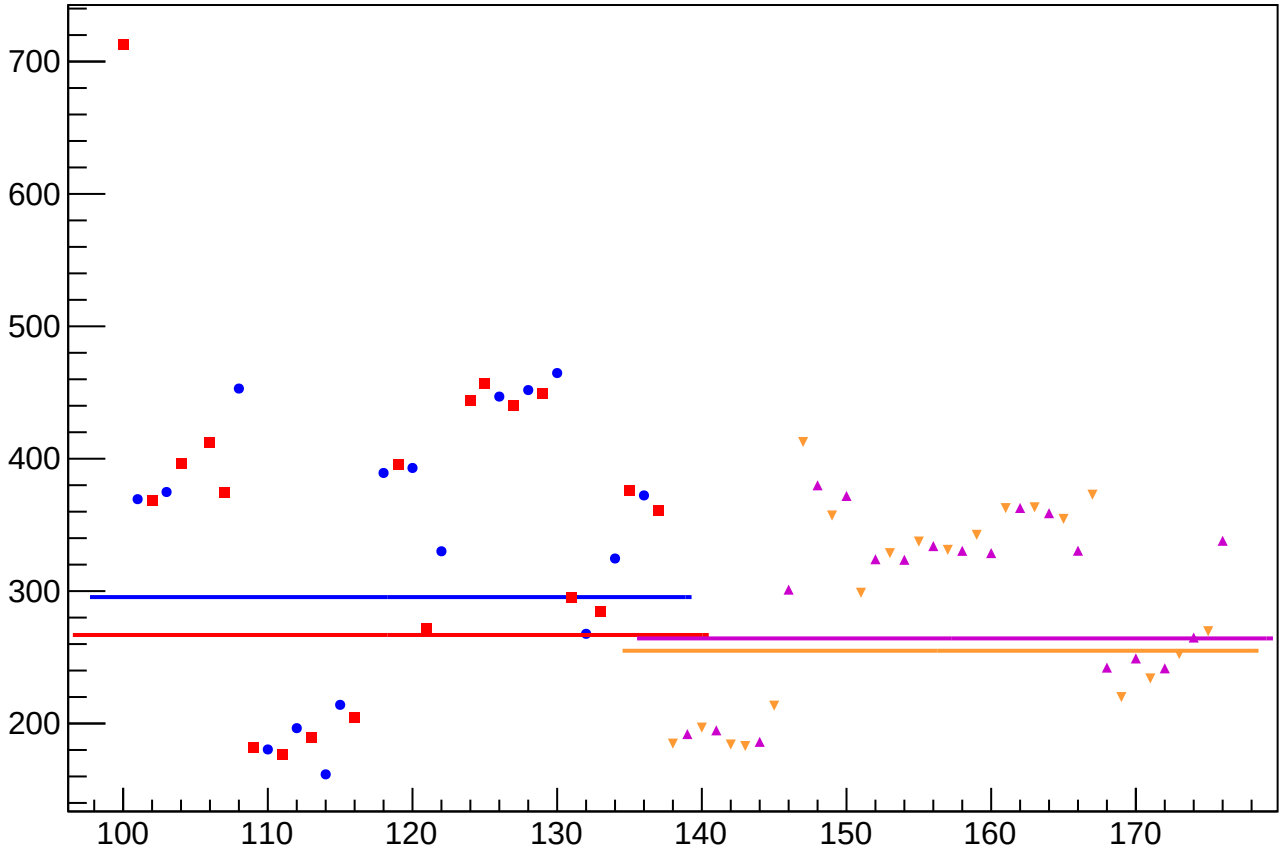
Left In: 134620.661+/-0.070 χ^2/NDF:1085301696.3/18

+ sign 134795.548+/-0.058 χ^2/NDF: 1337762341.5

All: 134908.655+/-0.041 χ^2/NDF: 26315362

- sign 135021.708+/-0.058 χ^2/NDF: 1286272935.5/

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 254.953+/-0.047 χ^2/NDF:2168126.4/19

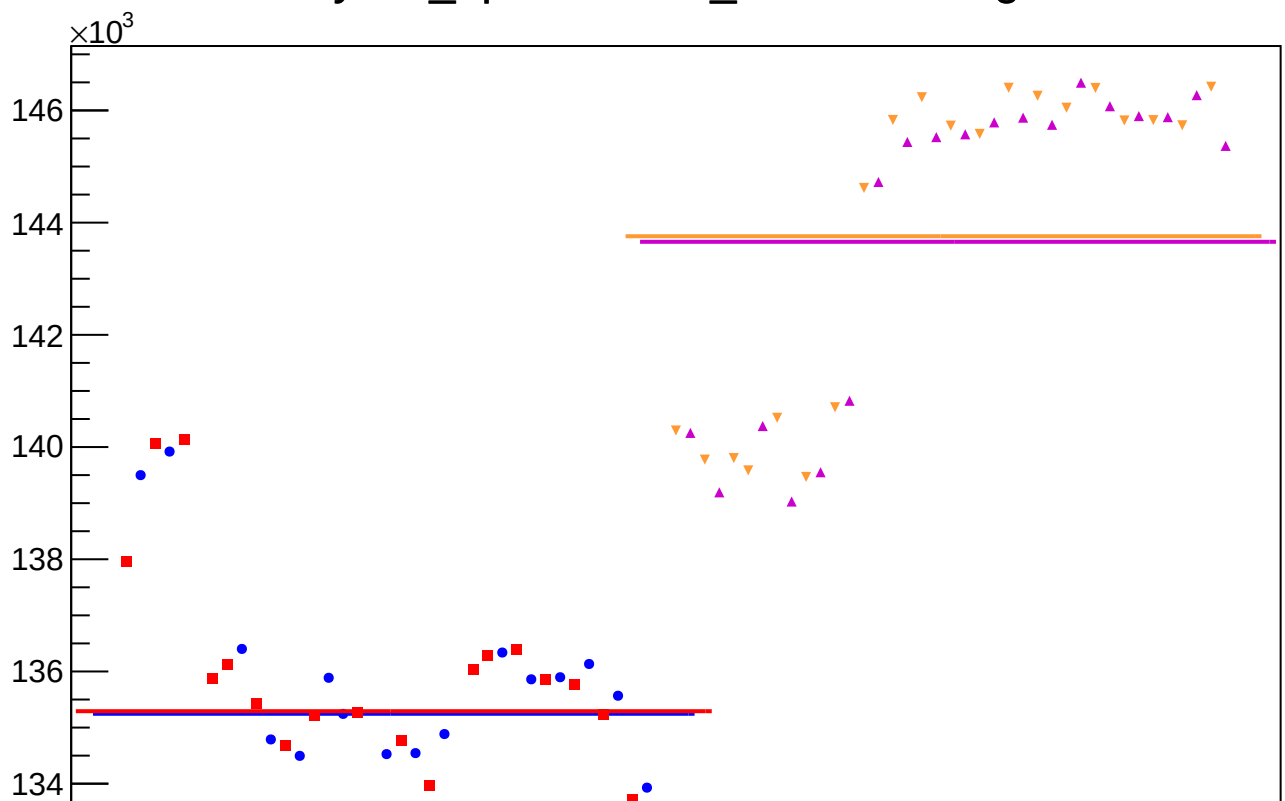
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 264.275+/-0.049 χ^2/NDF:1746294.8/18

+ sign 264.820+/-0.041 χ^2/NDF: 3788086.2/35

All: 264.938+/-0.029 χ^2/NDF: 7213298.6/73

- sign 265.055+/-0.041 χ^2/NDF: 3425196.1/37



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143757.632+/-0.051 χ^2/NDF:3091021113.0/19

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

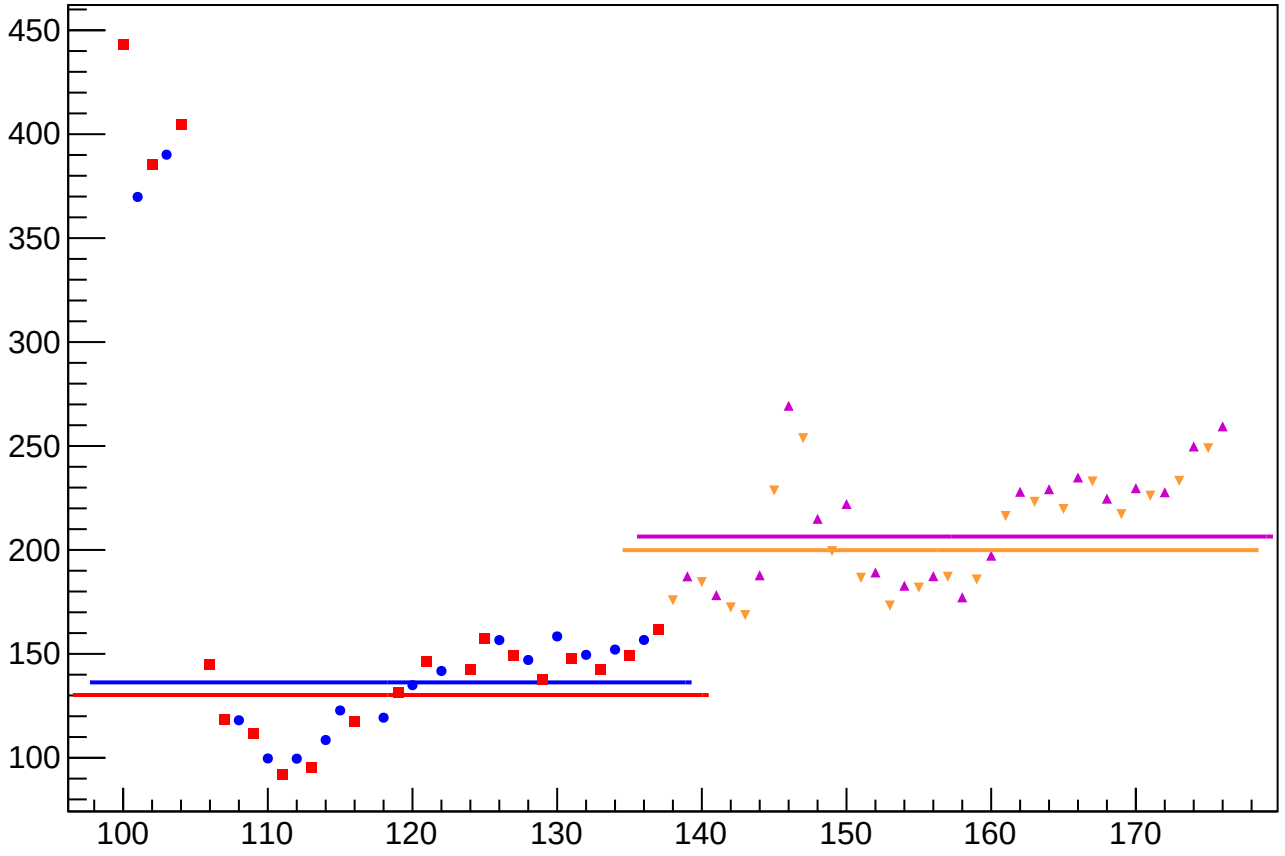
Left In: 143658.497+/-0.053 χ^2/NDF:2744329223.7/18

+ sign 139791.273+/-0.037 χ^2/NDF: 16397921409.

All: 139569.970+/-0.026 χ^2/NDF: 32276218

- sign 139351.328+/-0.037 χ^2/NDF: 15808526246.

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 199.894+/-0.036 χ^2/NDF:489621.9/19

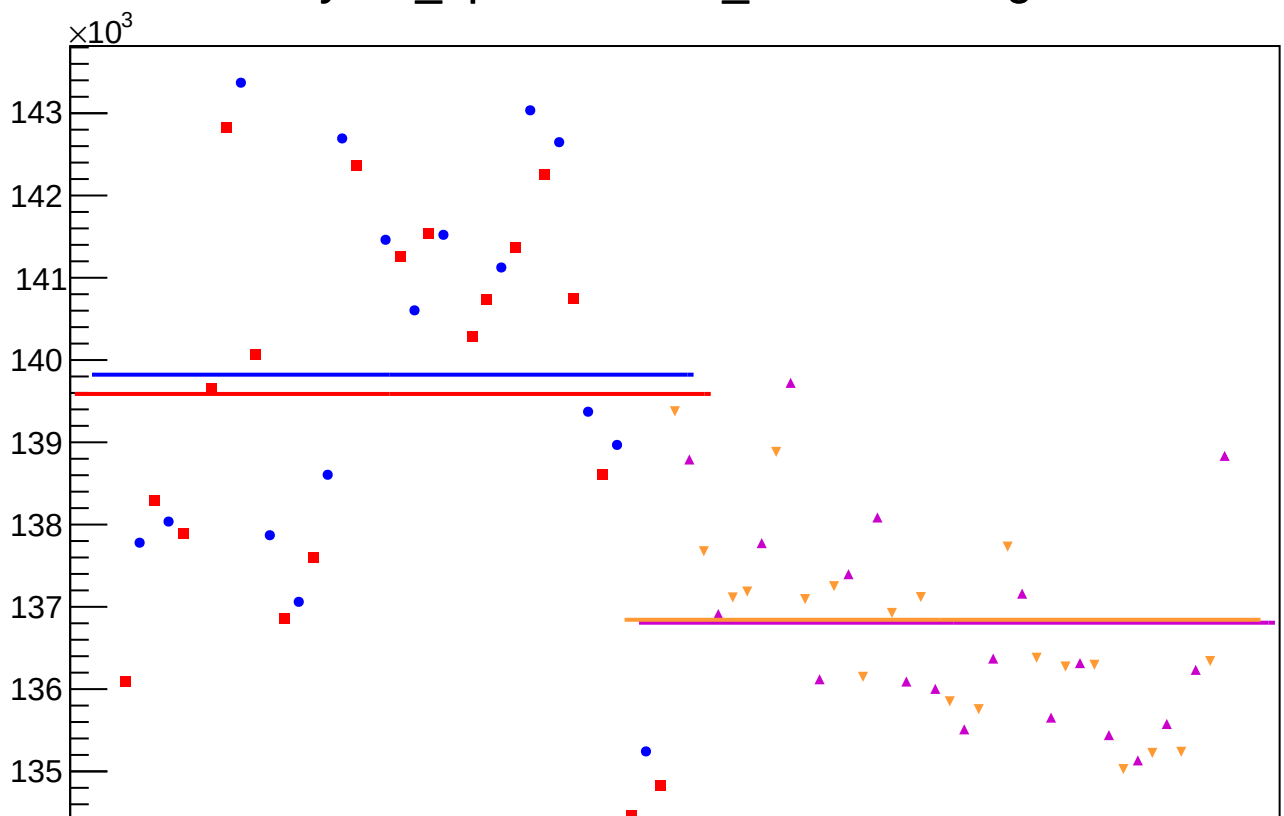
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 206.444+/-0.038 χ^2/NDF:482001.5/18

+ sign 170.252+/-0.026 χ^2/NDF: 3316747.3/35

All: 168.715+/-0.019 χ^2/NDF: 7432402.0/73

- sign 167.196+/-0.026 χ^2/NDF: 4108923.9/37



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 136842.994+/-0.052 χ^2/NDF:478078148.2/19

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

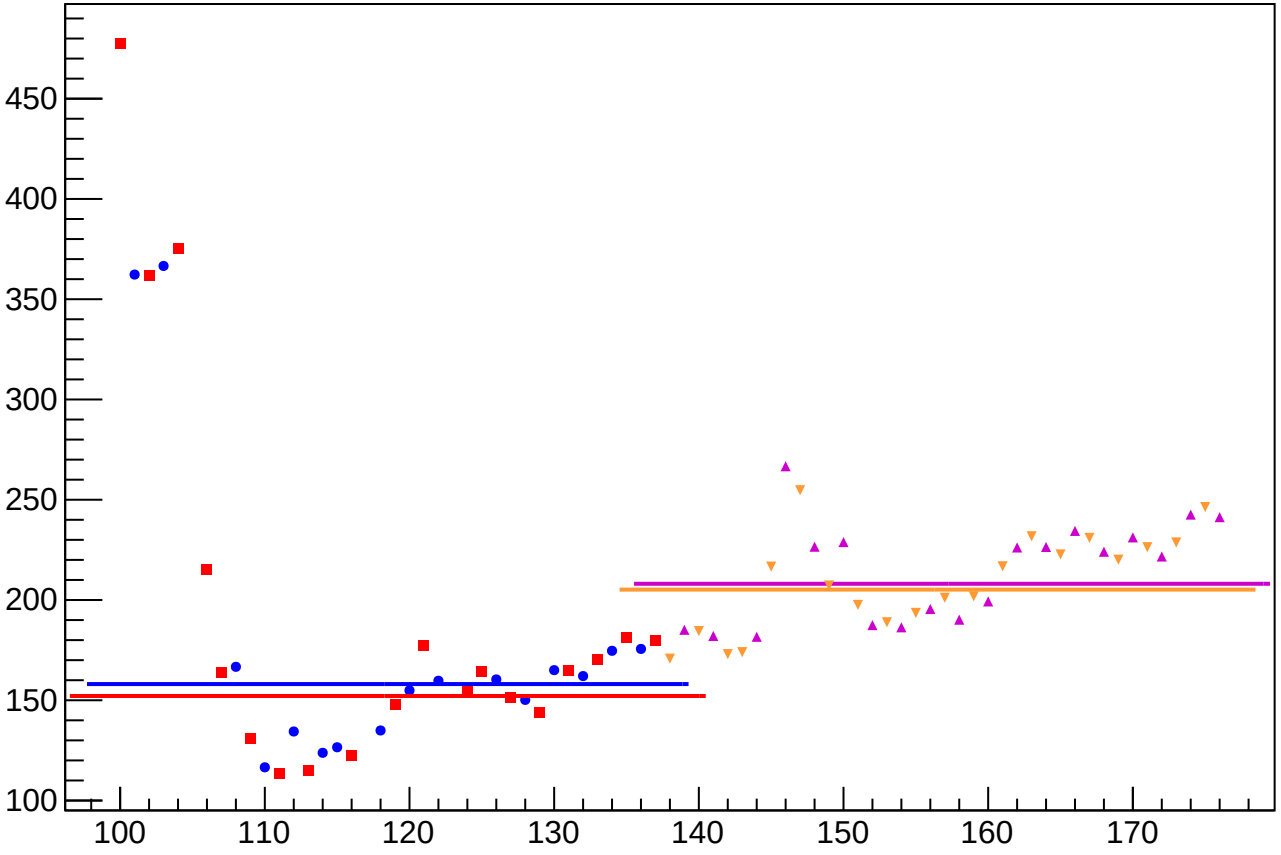
Left In: 136807.036+/-0.054 χ^2/NDF:516294301.9/18

+ sign 138072.825+/-0.040 χ^2/NDF: 3471665123.6

All: 138061.904+/-0.028 χ^2/NDF: 66690116

- sign 138051.129+/-0.040 χ^2/NDF: 3197200067.3/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 205.177+/-0.037 χ^2/NDF:386884.0/19

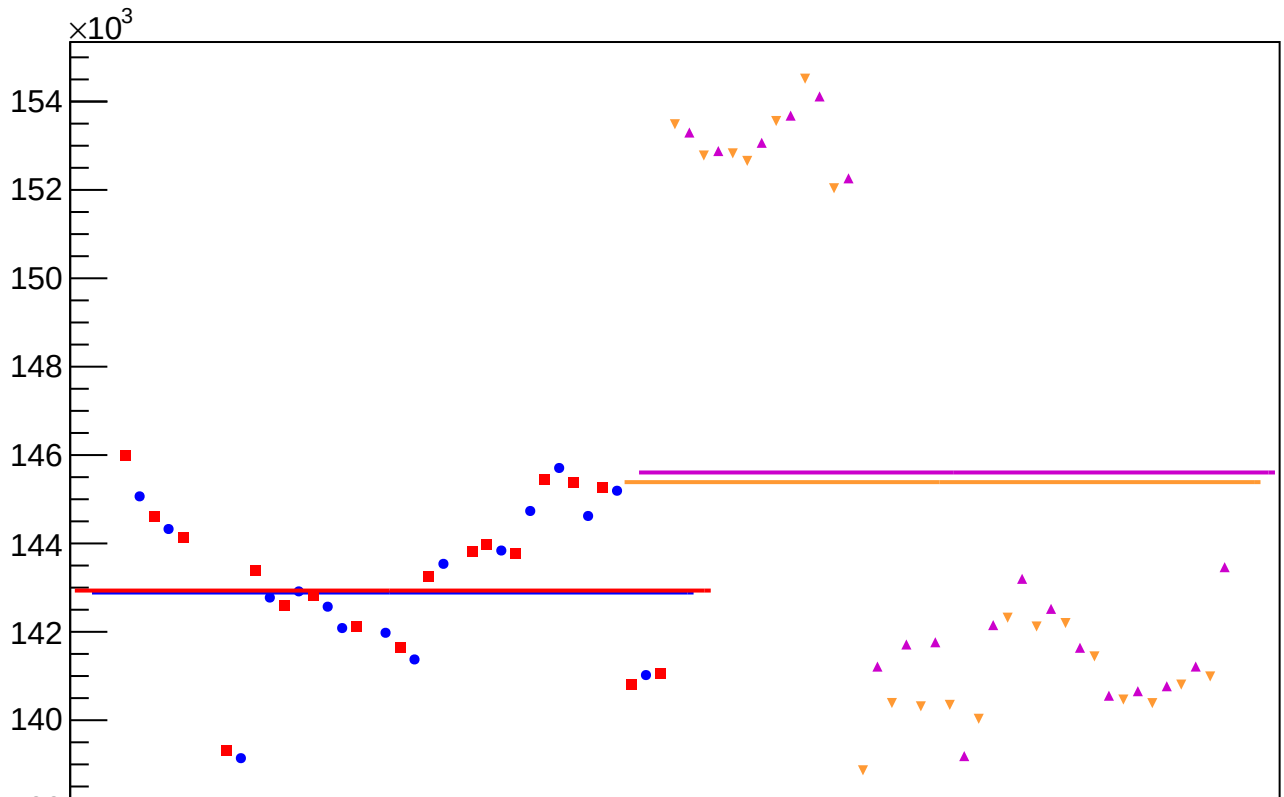
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 208.098+/-0.038 χ^2/NDF:397281.1/18

+ sign 185.734+/-0.028 χ^2/NDF: 2069731.0/35

All: 184.390+/-0.020 χ^2/NDF: 4670729.5/73

- sign 183.063+/-0.028 χ^2/NDF: 2596557.8/37



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145387.421+/-0.053 χ^2/NDF:12970816864.0/19

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

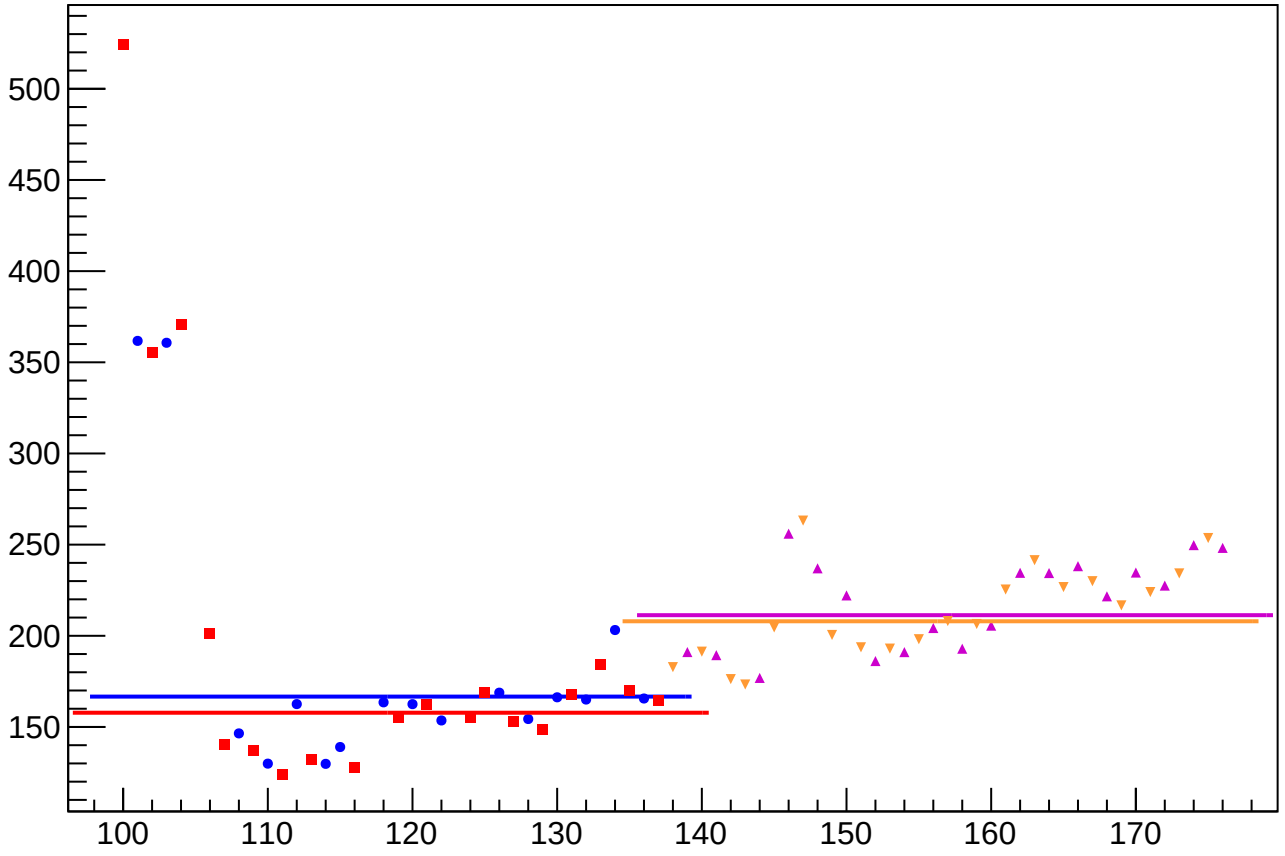
Left In: 145605.783+/-0.055 χ^2/NDF:10999257237.9/18

+ sign 144398.958+/-0.041 χ^2/NDF: 14608143913.4

All: 144414.978+/-0.029 χ^2/NDF: 27451146

- sign 144430.606+/-0.041 χ^2/NDF: 12842705408.7

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 207.965+/-0.038 χ^2/NDF:376827.7/19

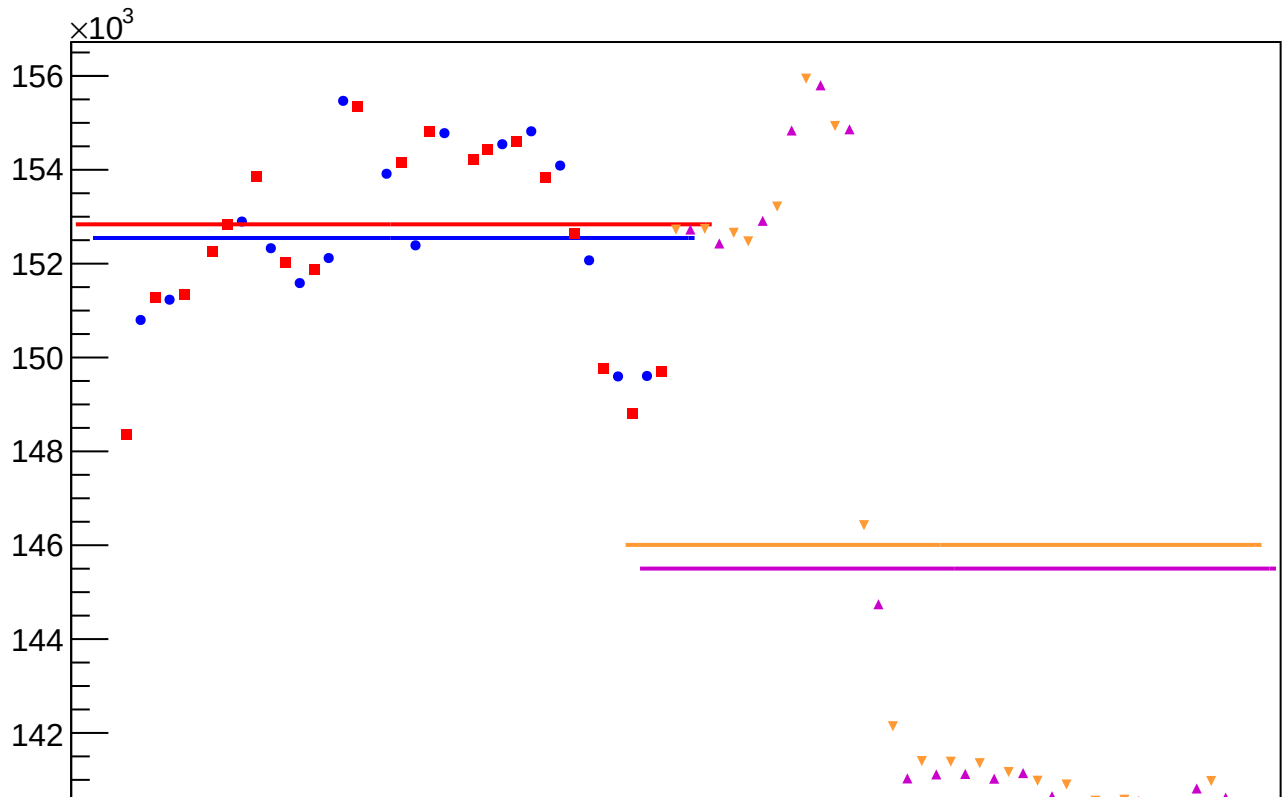
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 211.310+/-0.039 χ^2/NDF:391482.4/18

+ sign 191.620+/-0.029 χ^2/NDF: 1718419.3/35

All: 189.675+/-0.021 χ^2/NDF: 3987828.6/73

- sign 187.779+/-0.029 χ^2/NDF: 2260661.4/37



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146006.967+/-0.053 χ^2/NDF:12235109334.3/19

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

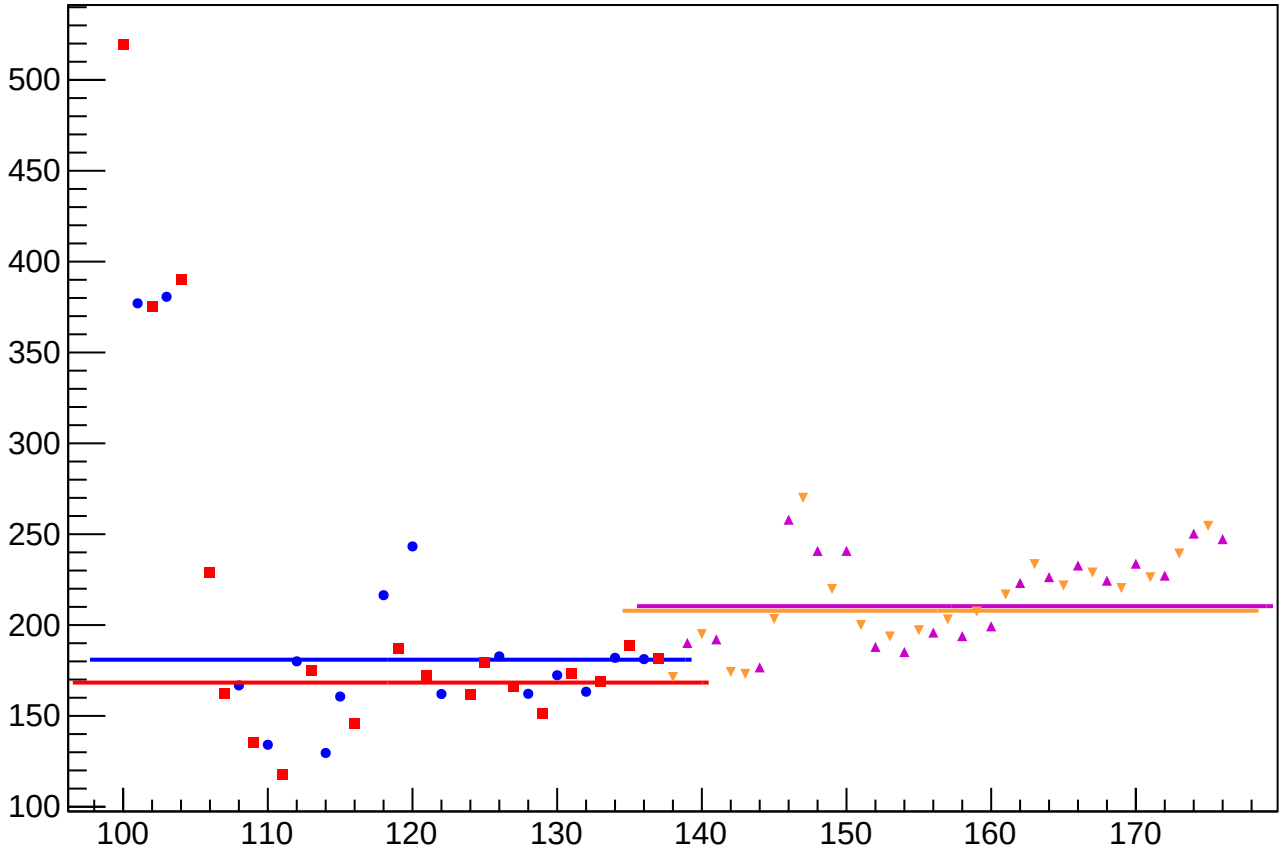
Left In: 145502.366+/-0.054 χ^2/NDF:12234223450.9/18

+ sign 148279.886+/-0.043 χ^2/NDF: 18181909705.

All: 148351.435+/-0.030 χ^2/NDF: 38450937

- sign 148420.448+/-0.042 χ^2/NDF: 20263539997.5

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 207.881+/-0.037 χ^2/NDF:420543.8/19

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

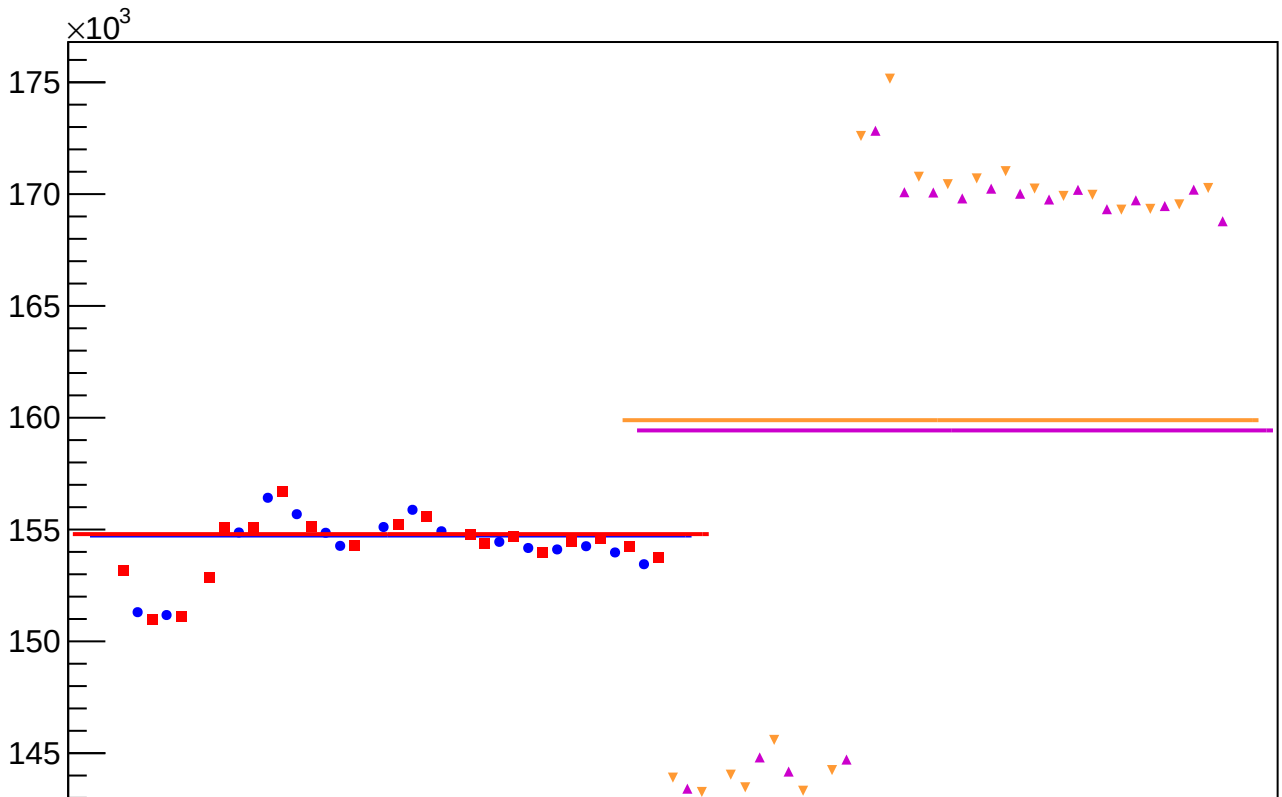
Left In: 210.398+/-0.038 χ^2/NDF:420226.8/18

+ sign 198.517+/-0.030 χ^2/NDF: 1507945.1/35

All: 196.050+/-0.021 χ^2/NDF: 3509542.8/73

- sign 193.671+/-0.030 χ^2/NDF: 1988548.9/37

yield_bpm1i02WS_mean vs Slug



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 159890.334+/-0.050 χ^2/NDF:71753253051.5/19

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

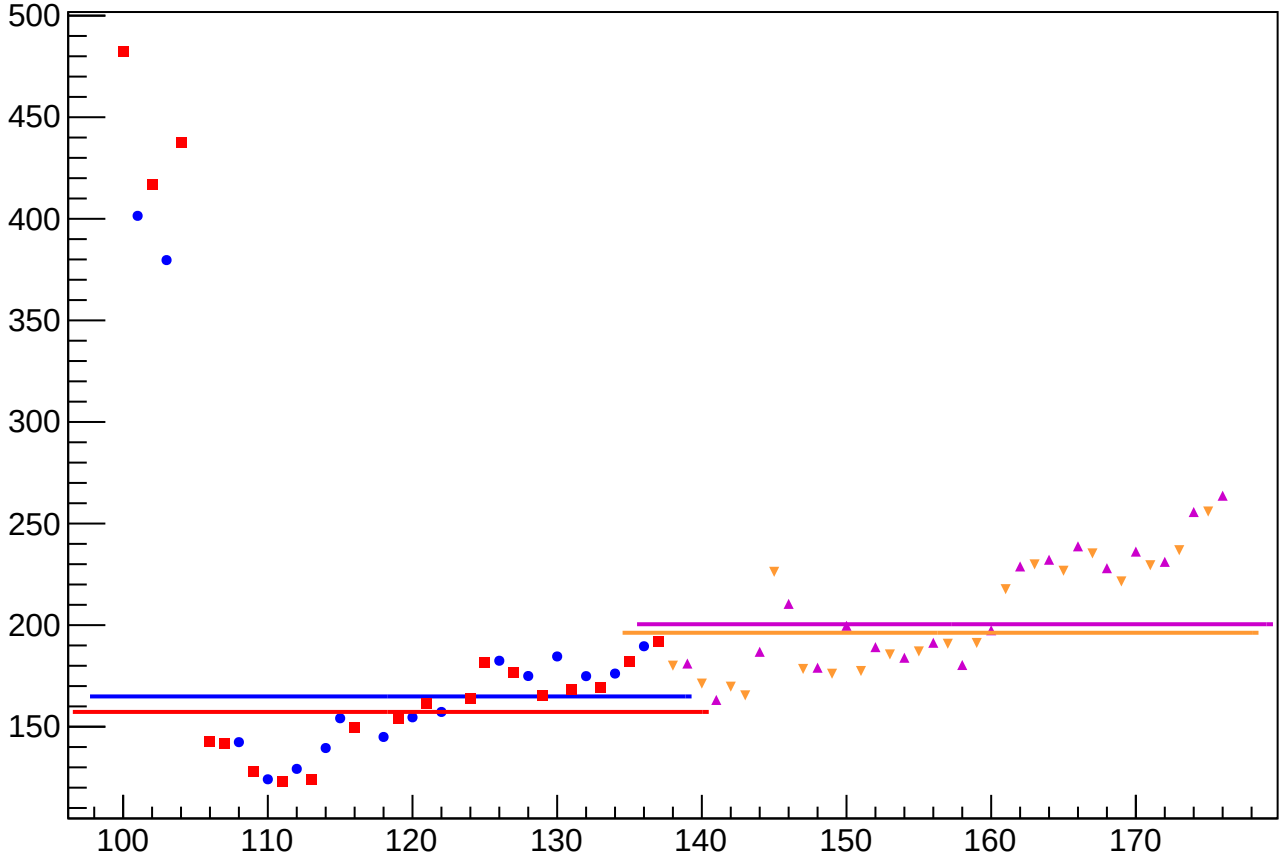
Left In: 159432.533+/-0.052 χ^2/NDF:64416149002.5/18

+ sign 157979.131+/-0.040 χ^2/NDF: 75966175623.

All: 157738.854+/-0.028 χ^2/NDF: 14412409

- sign 157502.023+/-0.039 χ^2/NDF: 68085140710.6

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 196.245+/-0.035 χ^2/NDF:530116.8/19

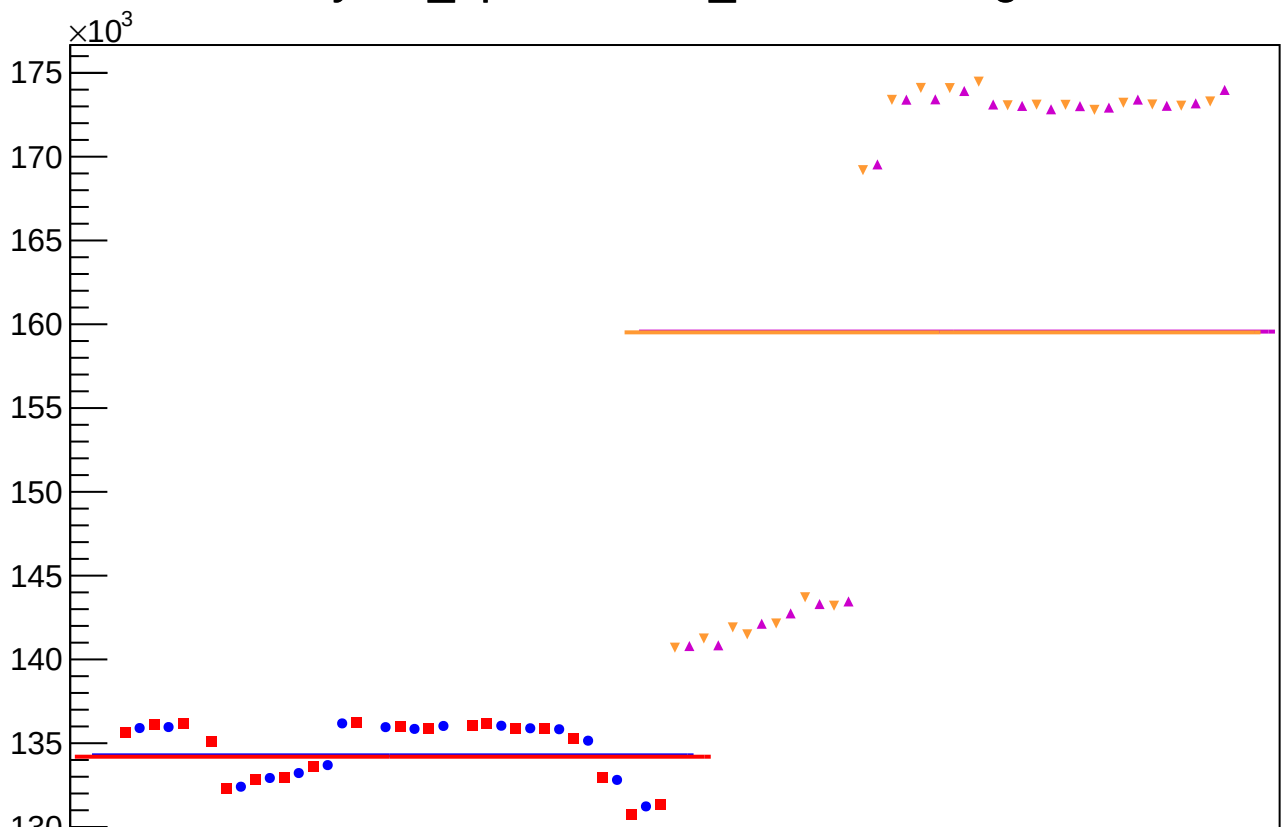
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 200.446+/-0.036 χ^2/NDF:514778.1/18

+ sign 184.631+/-0.028 χ^2/NDF: 1893710.1/35

All: 183.545+/-0.020 χ^2/NDF: 4249482.1/73

- sign 182.475+/-0.028 χ^2/NDF: 2352797.9/37



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 159517.257+/-0.051 χ^2/NDF:91646959431.8/19

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

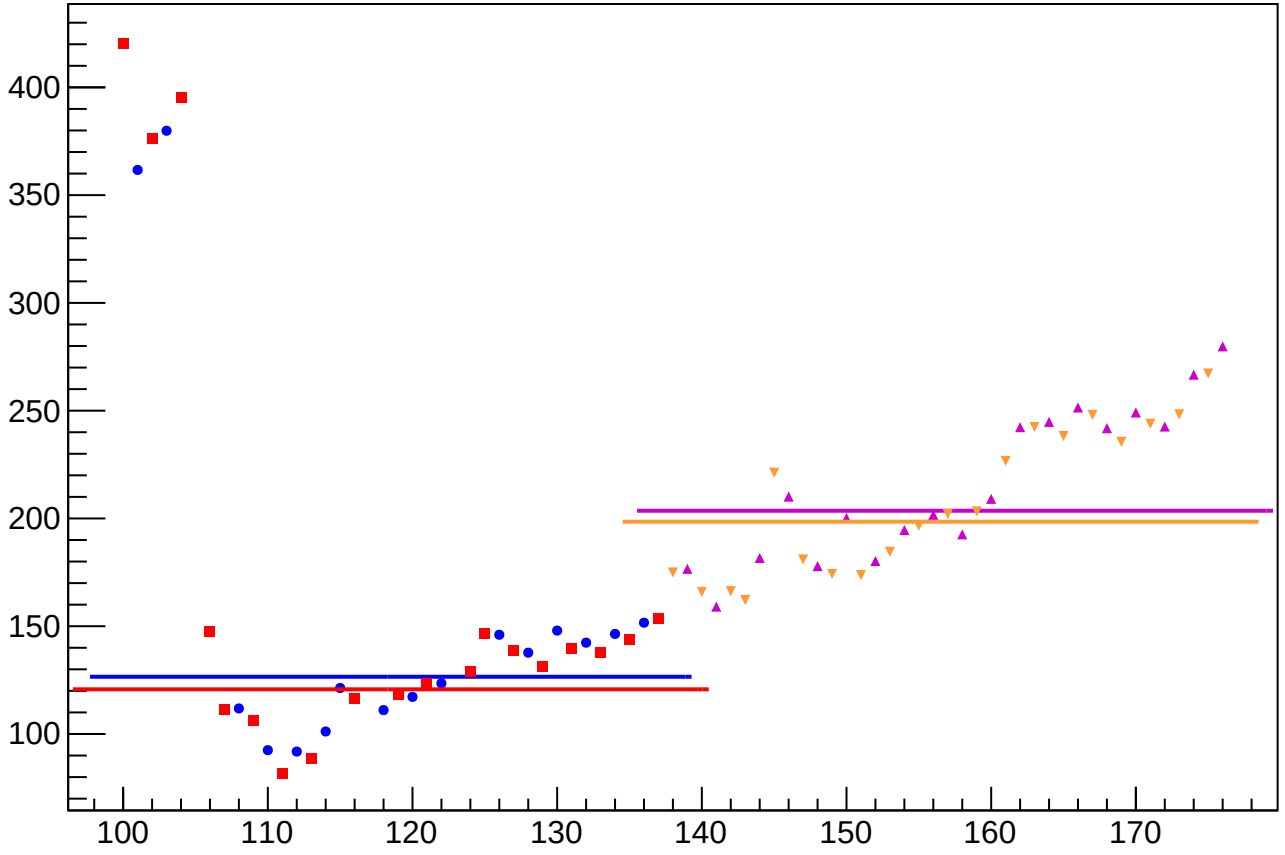
Left In: 159562.452+/-0.053 χ^2/NDF:84358721390.1/18

+ sign 146902.263+/-0.036 χ^2/NDF: 21616292639

All: 146300.114+/-0.025 χ^2/NDF: 4292408

- sign 145714.101+/-0.035 χ^2/NDF: 212523707622

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 198.477+/-0.036 χ^2/NDF:759234.1/19

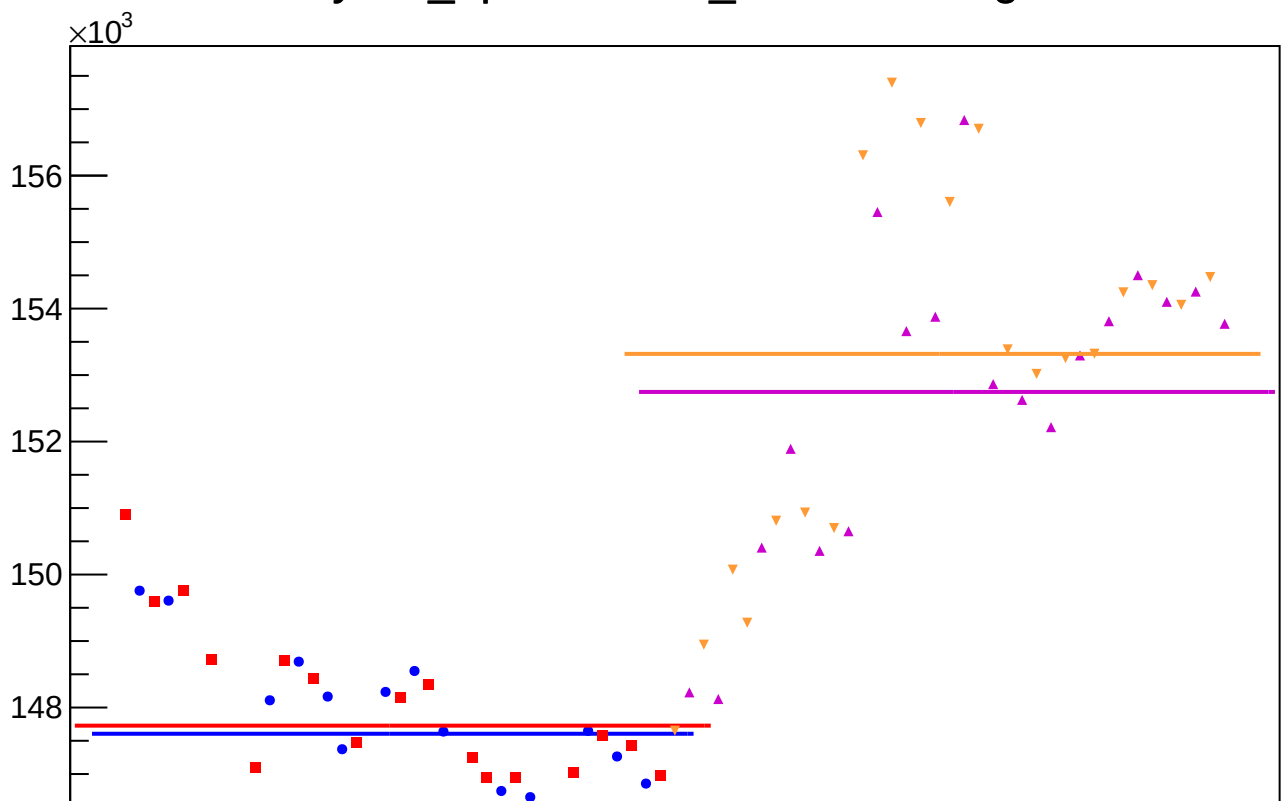
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 203.571+/-0.037 χ^2/NDF:724741.1/18

+ sign 162.530+/-0.025 χ^2/NDF: 4240256.9/35

All: 160.408+/-0.018 χ^2/NDF: 9319903.7/73

- sign 158.343+/-0.025 χ^2/NDF: 5065883.7/37



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153318.720+/-0.054 χ^2/NDF:2976059846.7/19

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

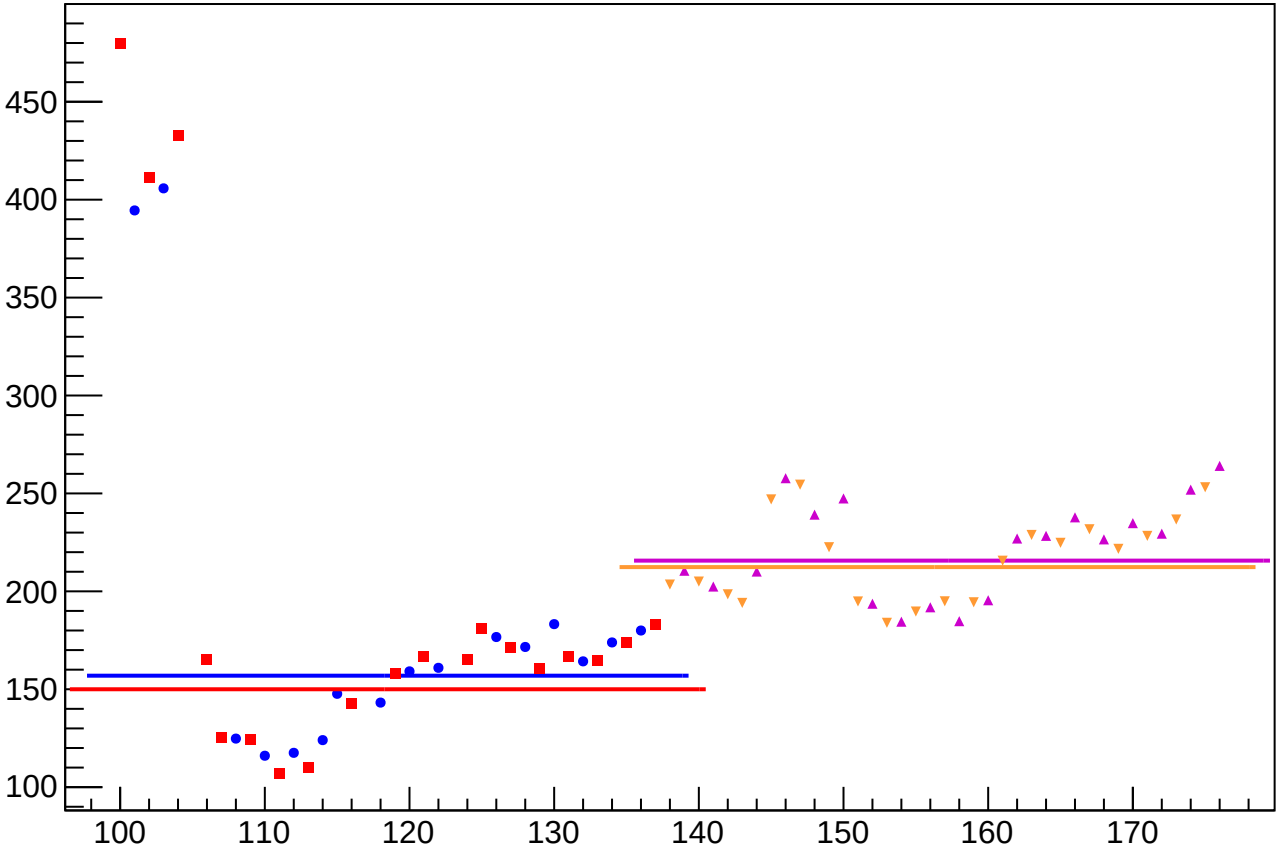
Left In: 152746.331+/-0.055 χ^2/NDF:1886257557.2/18

+ sign 150876.511+/-0.041 χ^2/NDF: 7964430836.8/

All: 150631.004+/-0.029 χ^2/NDF: 13965950

- sign 150391.183+/-0.040 χ^2/NDF: 5930104188.2/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 212.375+/-0.038 χ^2/NDF:300327.3/19

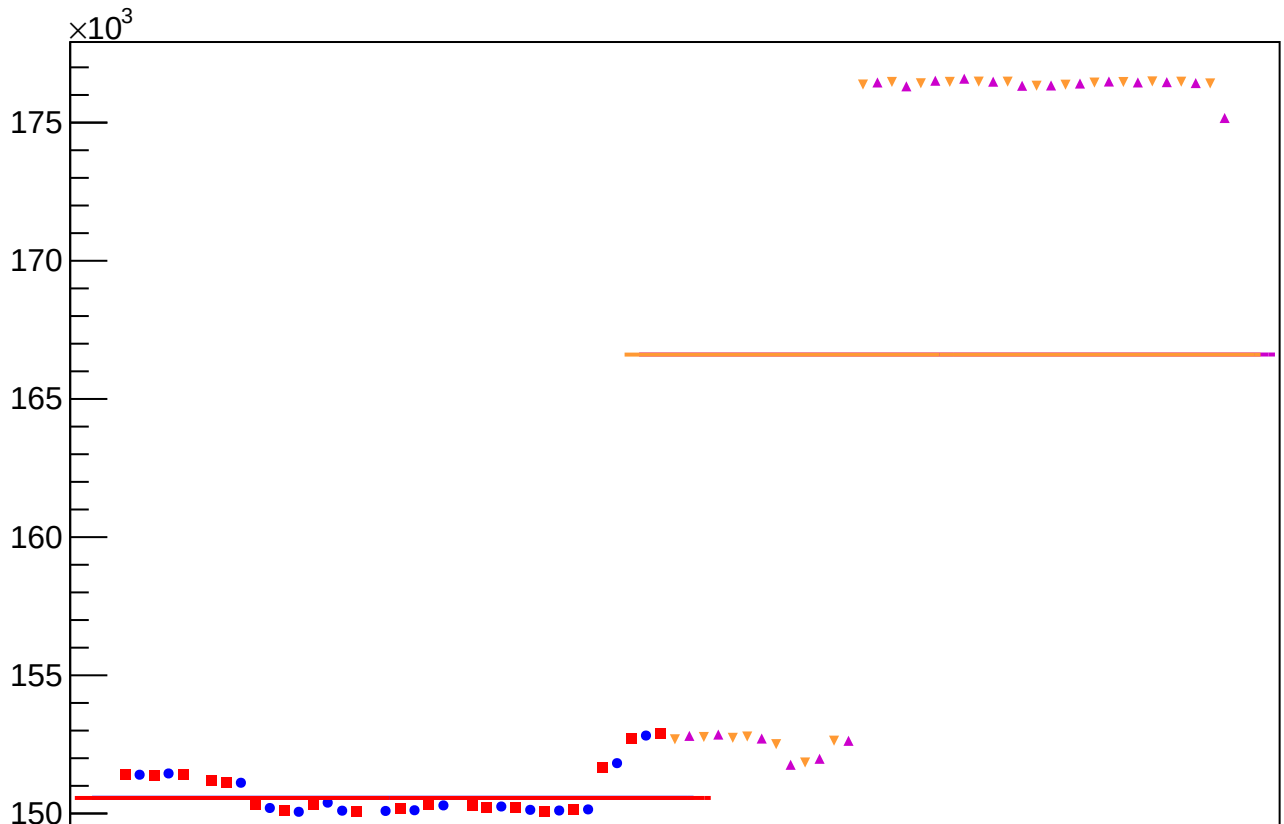
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 215.686+/-0.039 χ^2/NDF:380892.5/18

+ sign 188.672+/-0.029 χ^2/NDF: 2468058.4/35

All: 186.743+/-0.020 χ^2/NDF: 5630624.2/73

- sign 184.859+/-0.029 χ^2/NDF: 3153747.2/37



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166605.323+/-0.049 χ^2/NDF:57052671340.7/19

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

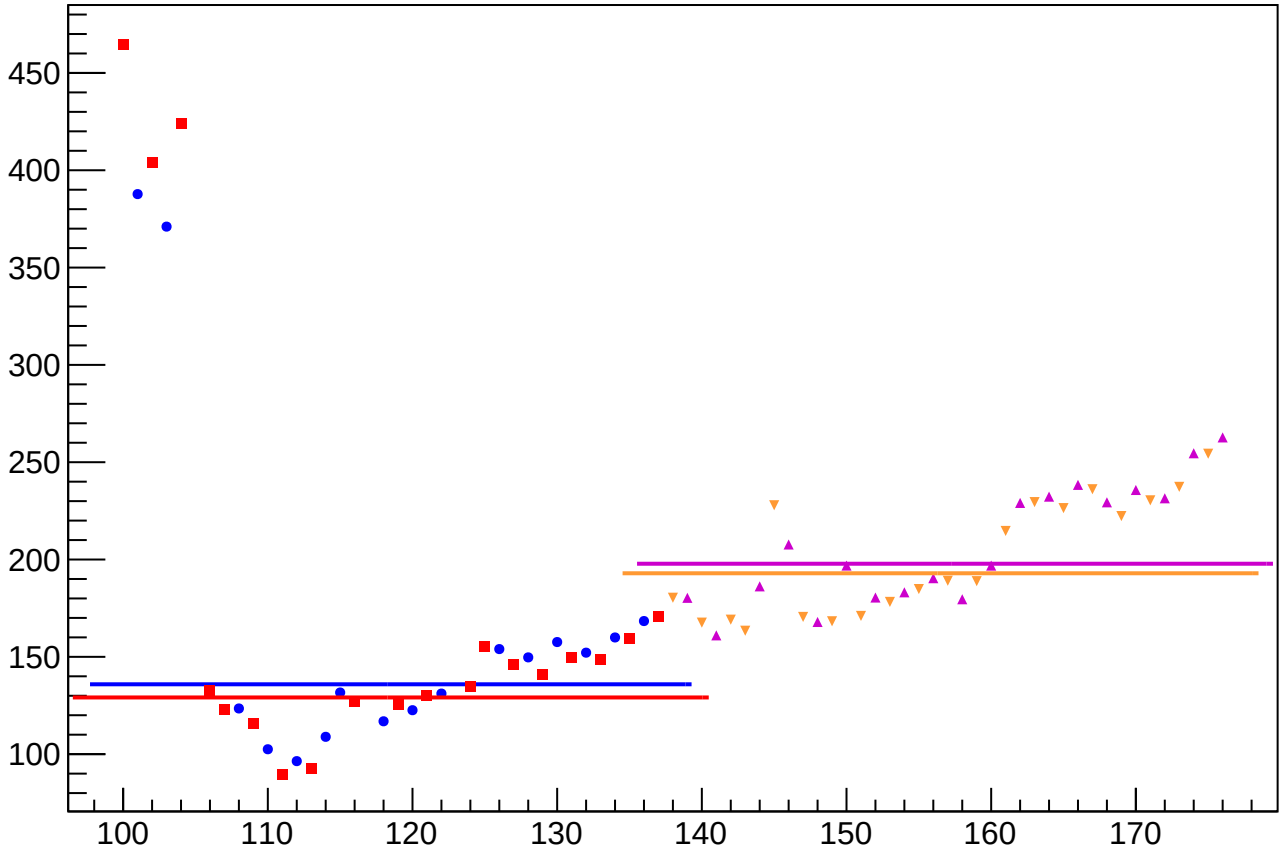
Left In: 166608.185+/-0.051 χ^2/NDF:53231173102.7/18

+ sign 159417.297+/-0.037 χ^2/NDF: 10487132901

All: 158995.949+/-0.026 χ^2/NDF: 2081048

- sign 158586.394+/-0.036 χ^2/NDF: 102971613466

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 192.936+/-0.035 χ^2/NDF:621758.8/19

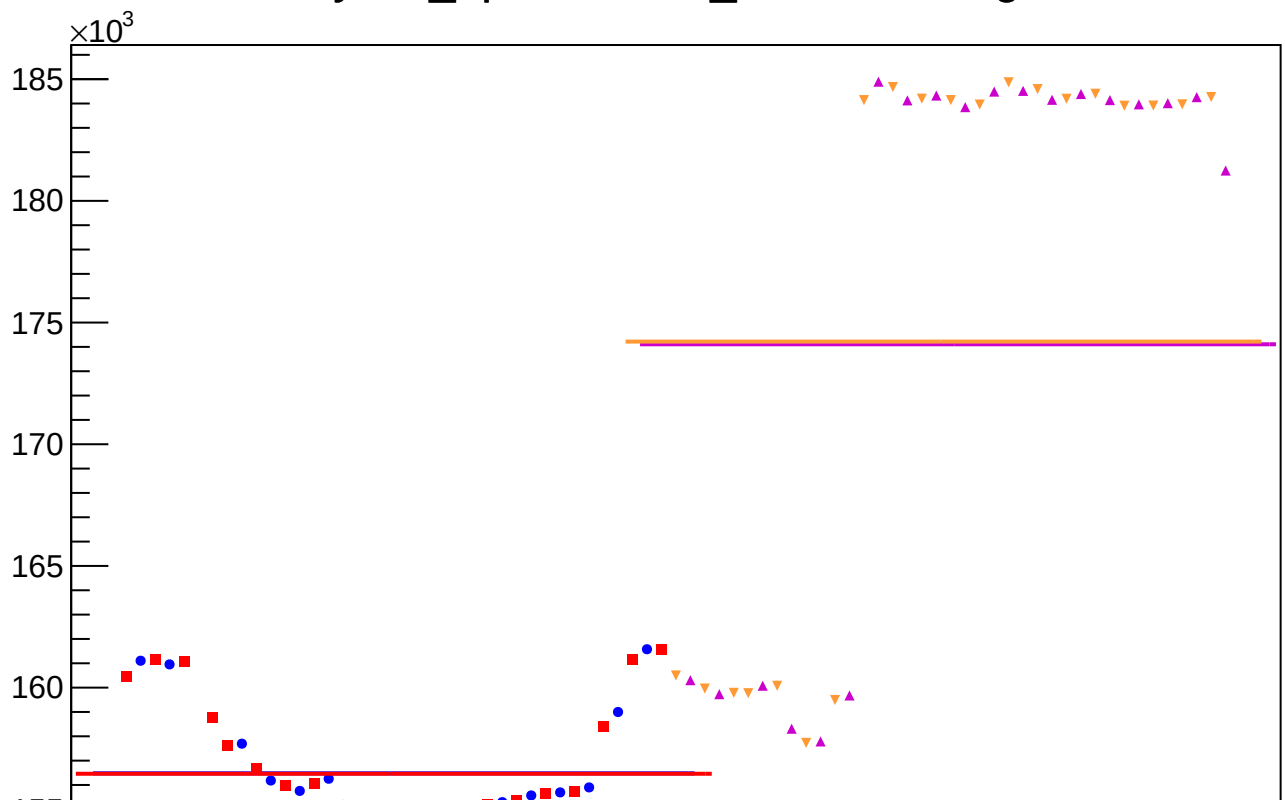
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 197.836+/-0.036 χ^2/NDF:580005.7/18

\+ sign 167.369+/-0.026 χ^2/NDF: 3241996.7/35

All: 165.402+/-0.018 χ^2/NDF: 7264200.5/73

\- sign 163.489+/-0.025 χ^2/NDF: 4010783.0/37



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174218.097+/-0.051 χ^2/NDF:56947024446.7/19

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

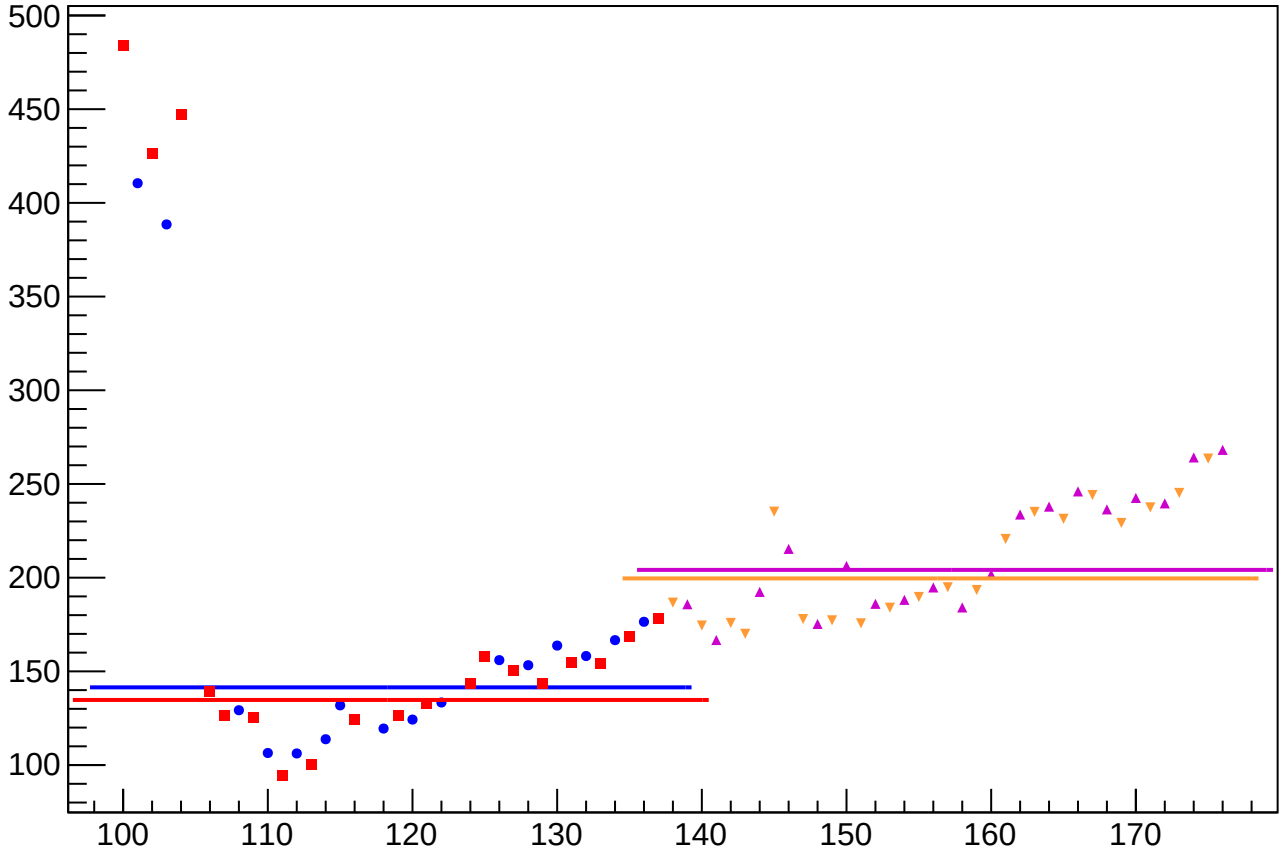
Left In: 174106.889+/-0.053 χ^2/NDF:53832234280.4/18

+ sign 166319.462+/-0.038 χ^2/NDF: 11232215820

All: 165839.599+/-0.027 χ^2/NDF: 2232947

- sign 165373.193+/-0.037 χ^2/NDF: 110656684946

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 199.597+/-0.036 χ^2/NDF:593110.5/19

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

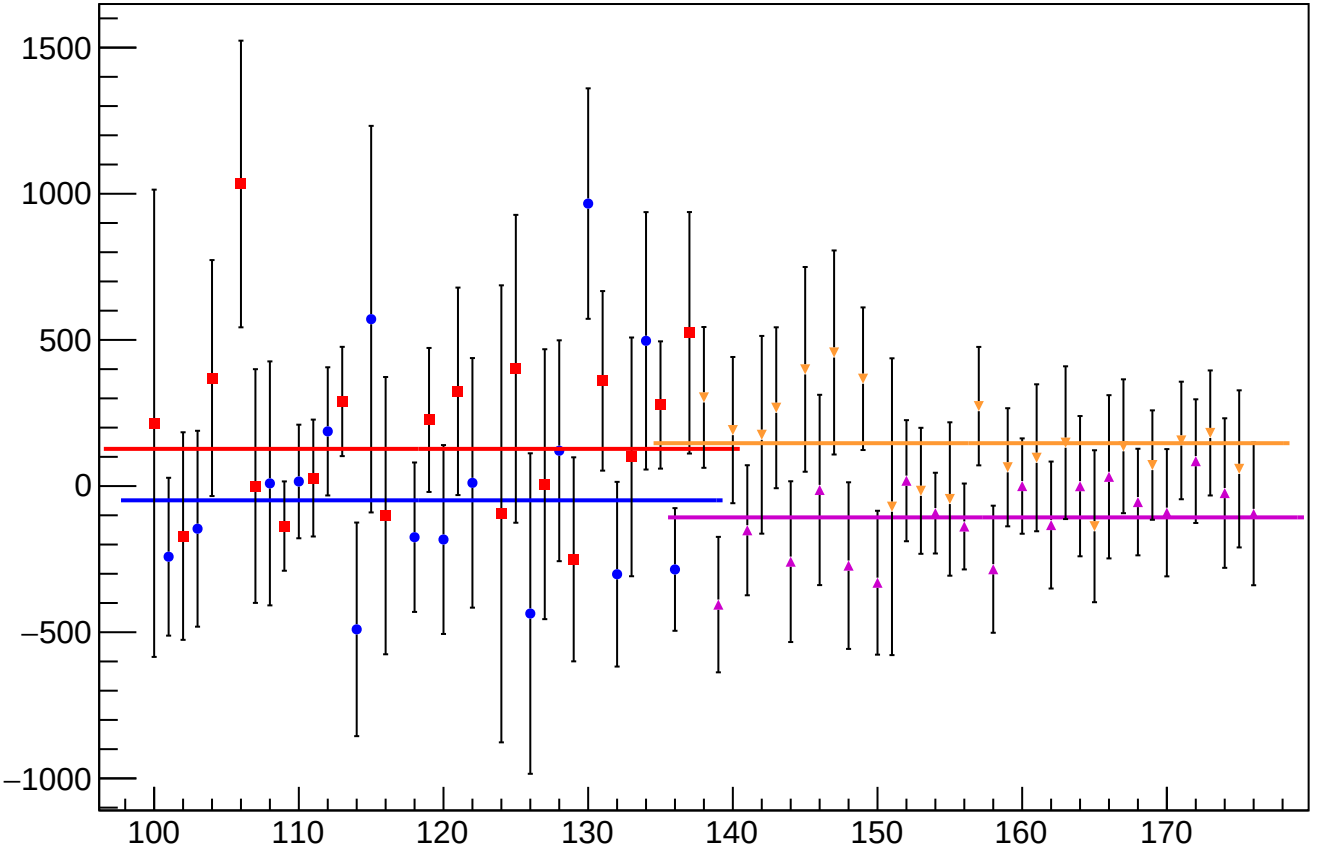
Left In: 204.150+/-0.037 χ^2/NDF:567101.2/18

+ sign 173.716+/-0.027 χ^2/NDF: 3146427.9/35

All: 171.730+/-0.019 χ^2/NDF: 7027371.4/73

- sign 169.800+/-0.026 χ^2/NDF: 3870118.7/37

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 146.703+/-55.010 χ^2/NDF:6.2/19

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

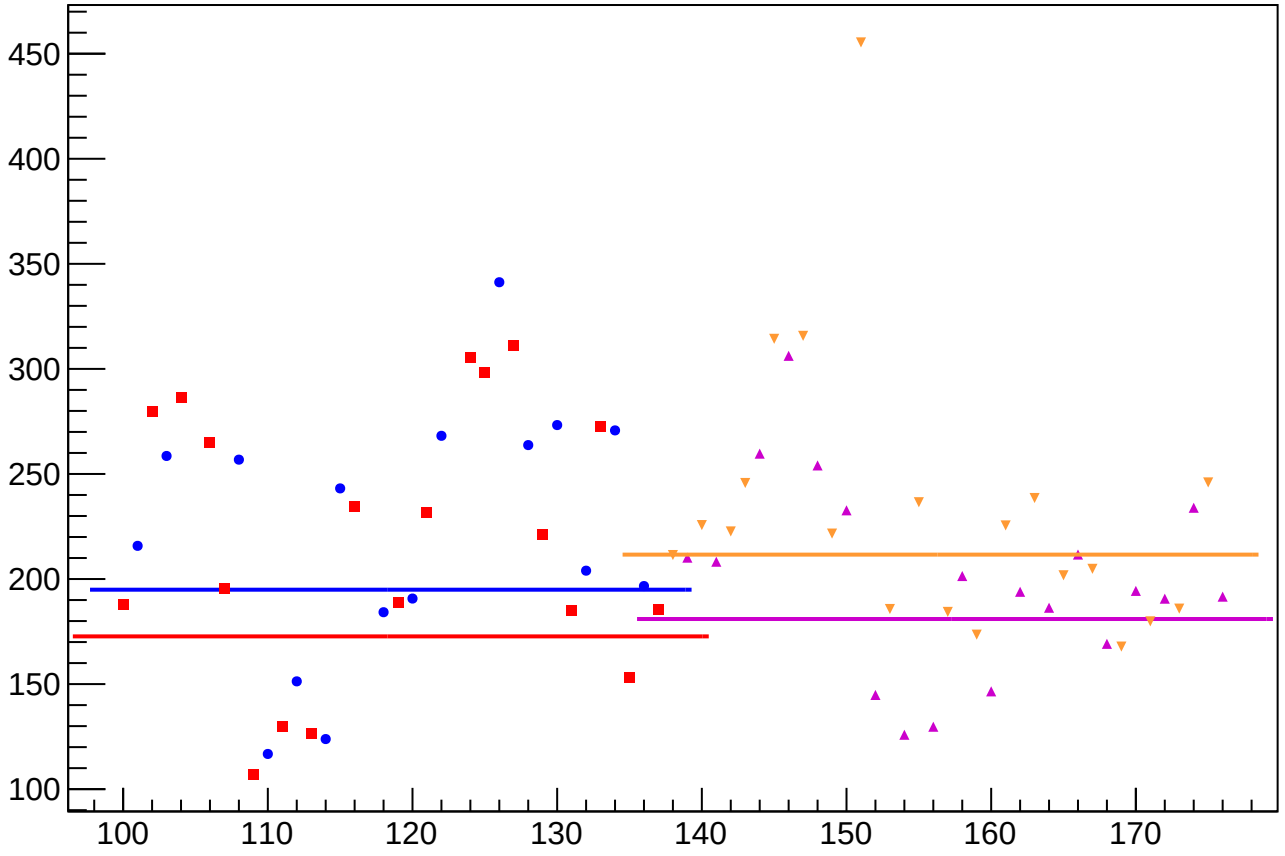
Left In: -107.099+/-48.331 χ^2/NDF:6.2/18

+ sign 80.190+/-44.680 χ^2/NDF: 25.9/35

All: 18.766+/-29.590 χ^2/NDF: 56.2/73

- sign -29.220+/-39.492 χ^2/NDF: 26.9/37

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.615+/-0.039 χ^2/NDF:1260472.2/19

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

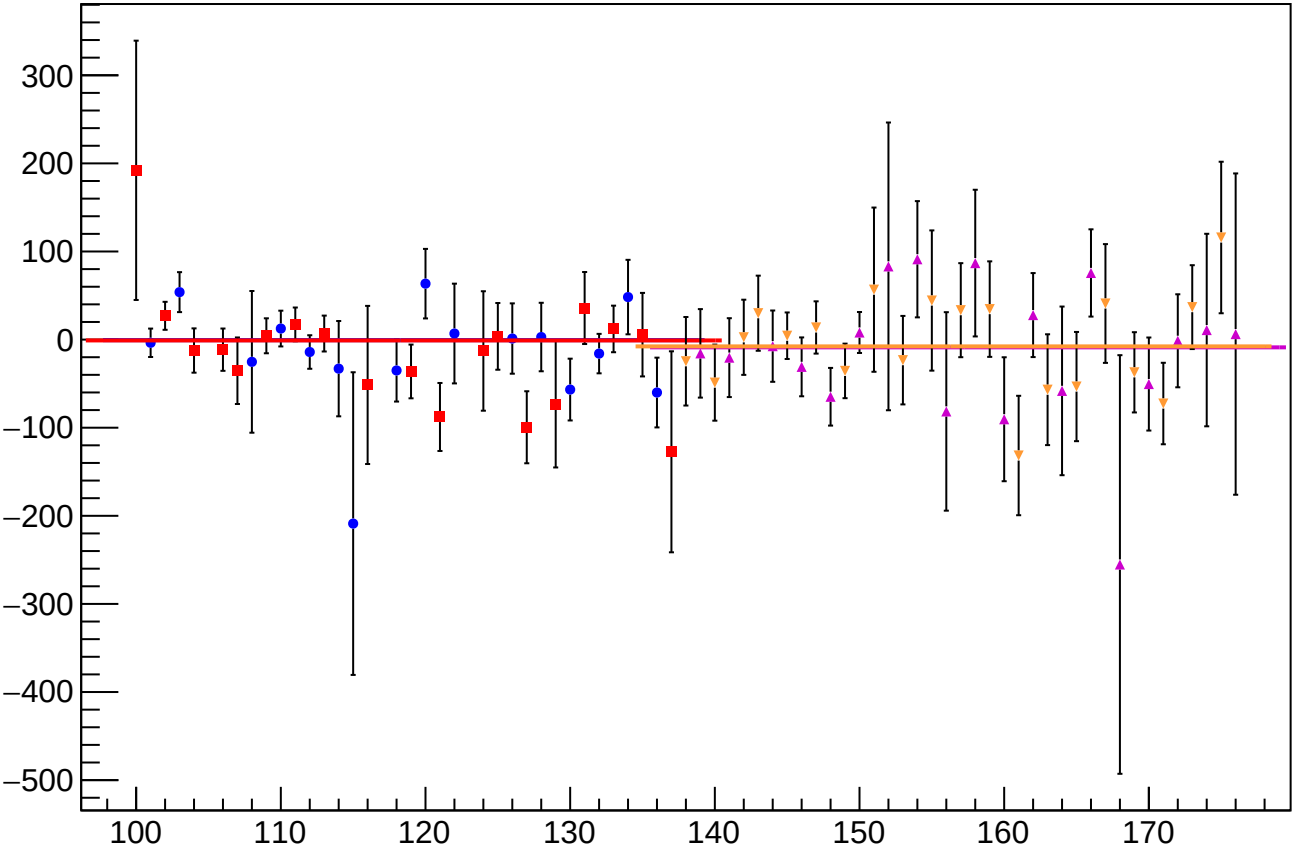
Left In: 180.975+/-0.034 χ^2/NDF:1612561.0/18

+ sign 205.934+/-0.032 χ^2/NDF: 2352040.3/35

All: 190.379+/-0.021 χ^2/NDF: 6047231.4/73

- sign 178.226+/-0.028 χ^2/NDF: 3263374.8/37

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -7.713+/-10.268 χ^2/NDF:15.9/19

Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

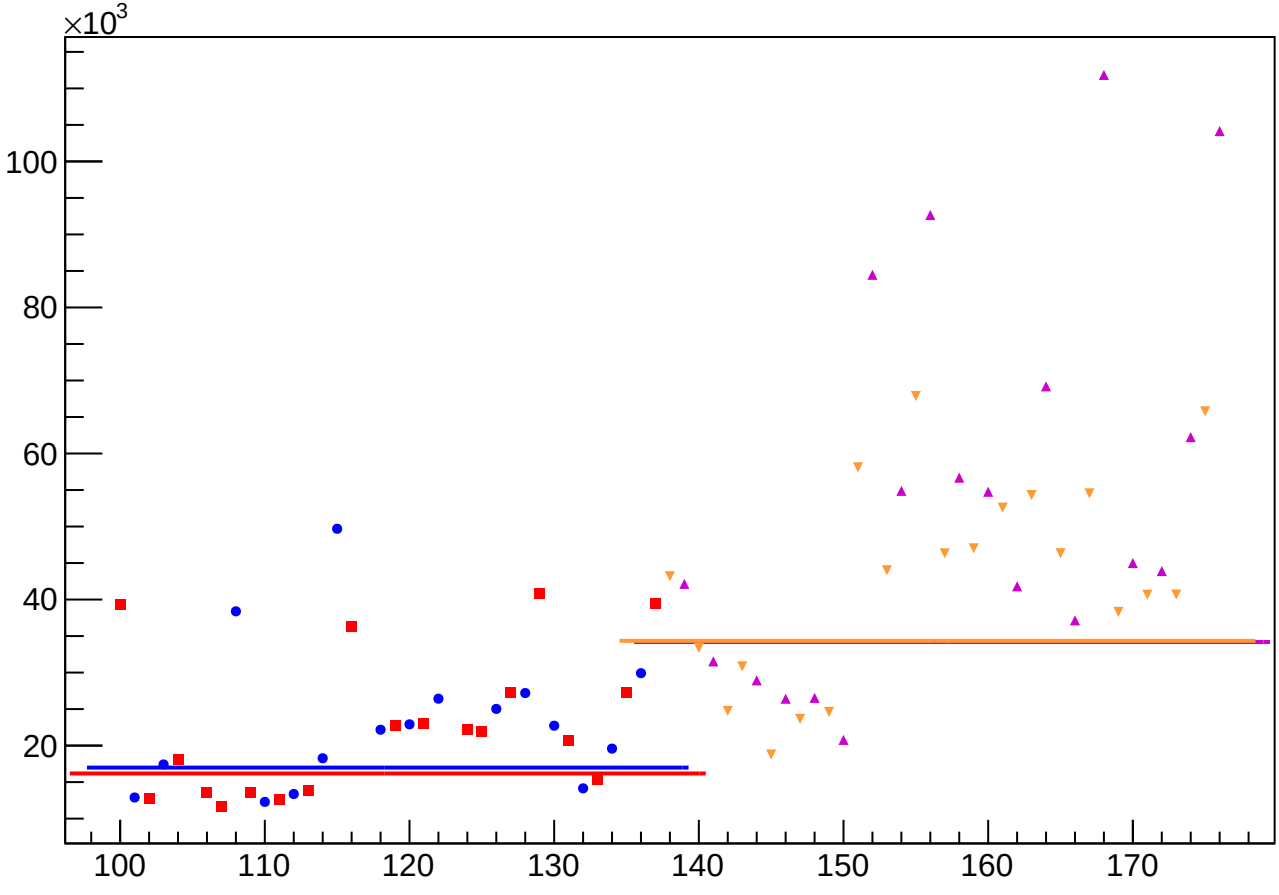
Left In: -8.806+/-11.408 χ^2/NDF:15.2/18

+ sign -3.022+/-5.971 χ^2/NDF: 35.1/35

All: -3.003+/-4.168 χ^2/NDF: 73.8/73

- sign -2.986+/-5.820 χ^2/NDF: 38.6/37

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 34349.199+/-7.261 χ^2/NDF:3055440.0/19

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

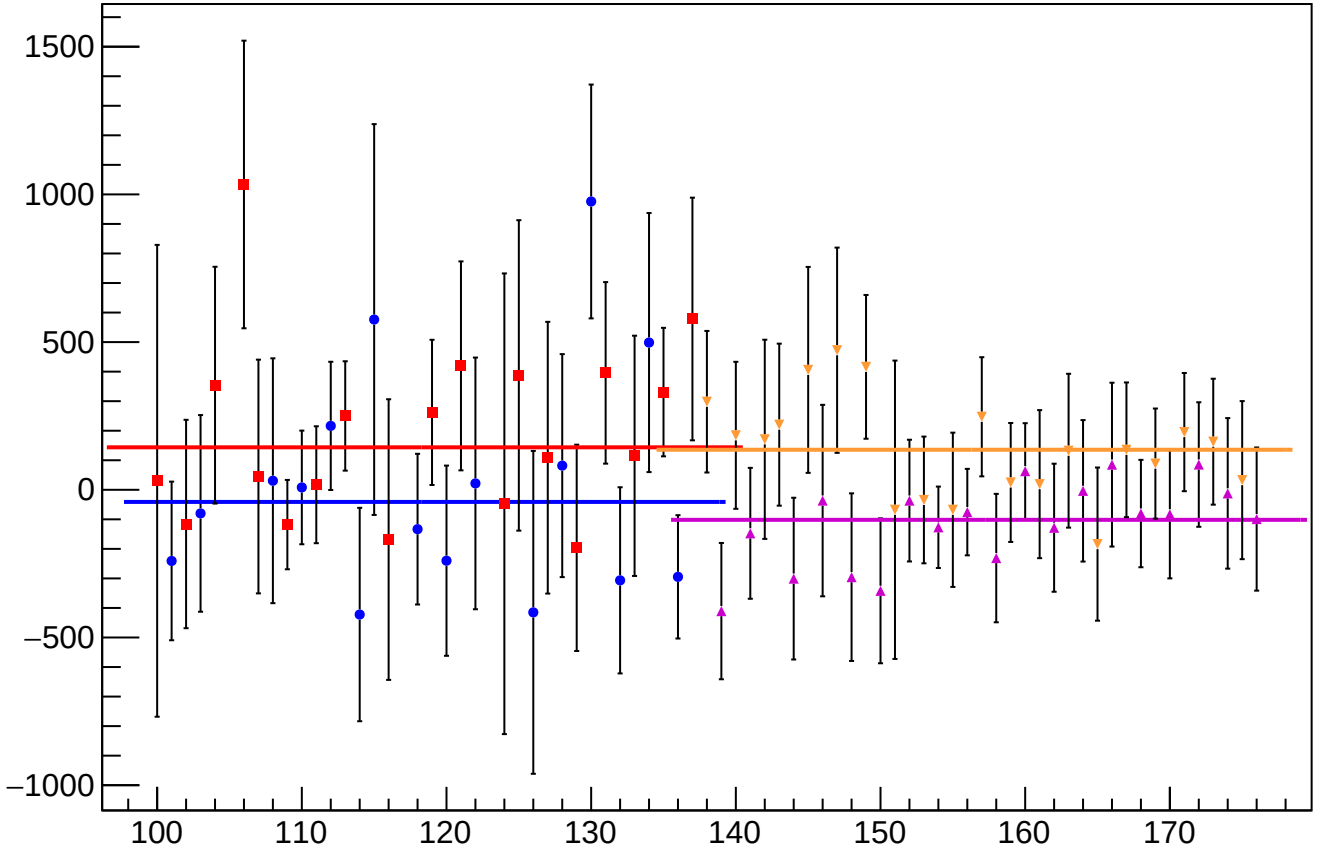
Left In: 34184.474+/-8.067 χ^2/NDF:3332544.4/18

+ sign 22858.605+/-4.222 χ^2/NDF: 8034183.1/35

All: 21837.537+/-2.947 χ^2/NDF: 16416380.2

- sign 20867.535+/-4.115 χ^2/NDF: 8268166.0/37

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 135.595+/-54.785 χ^2/NDF:7.5/19

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

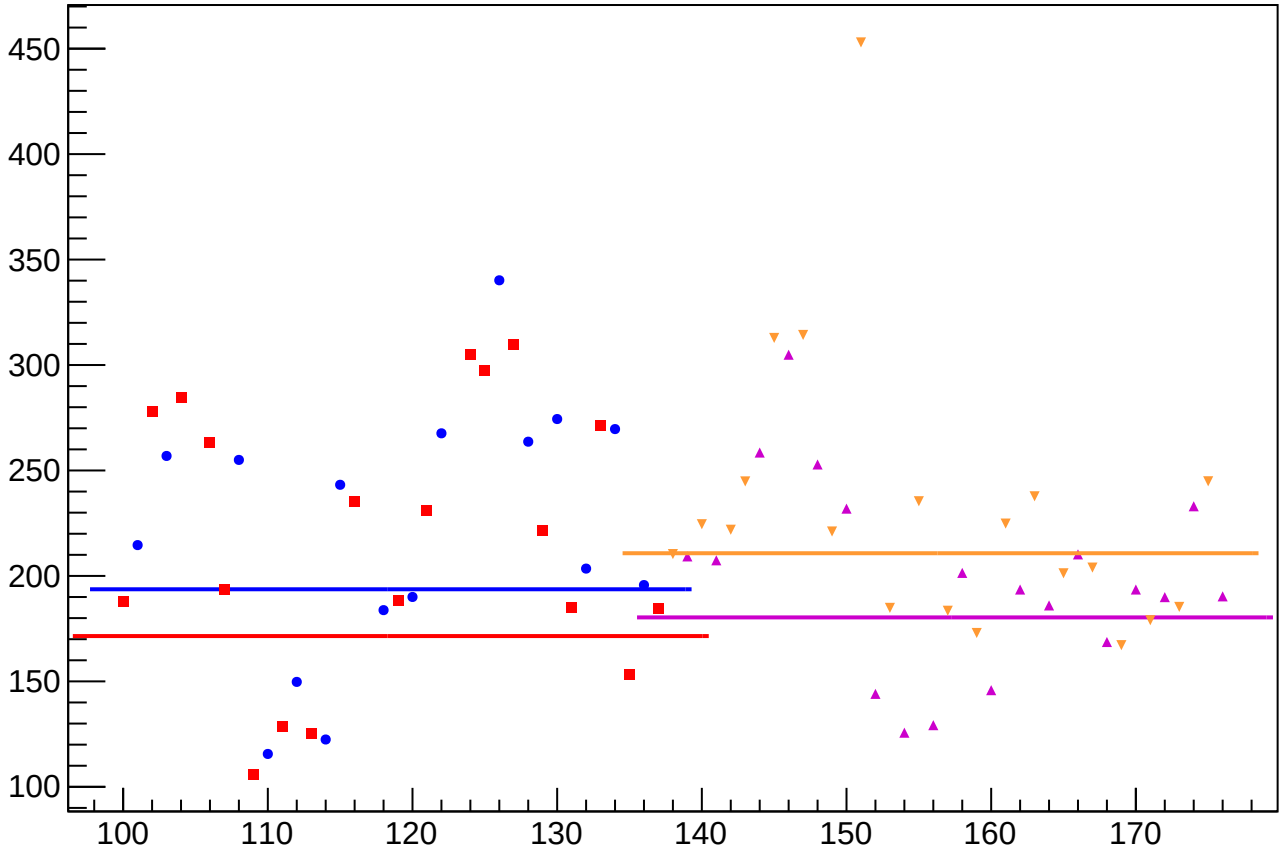
Left In: -101.651+/-48.155 χ^2/NDF:7.0/18

+ sign 75.356+/-44.473 χ^2/NDF: 26.5/35

All: 21.945+/-29.455 χ^2/NDF: 57.7/73

- sign -19.793+/-39.314 χ^2/NDF: 28.6/37

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 210.761+/-0.039 χ^2/NDF:1258983.6/19

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

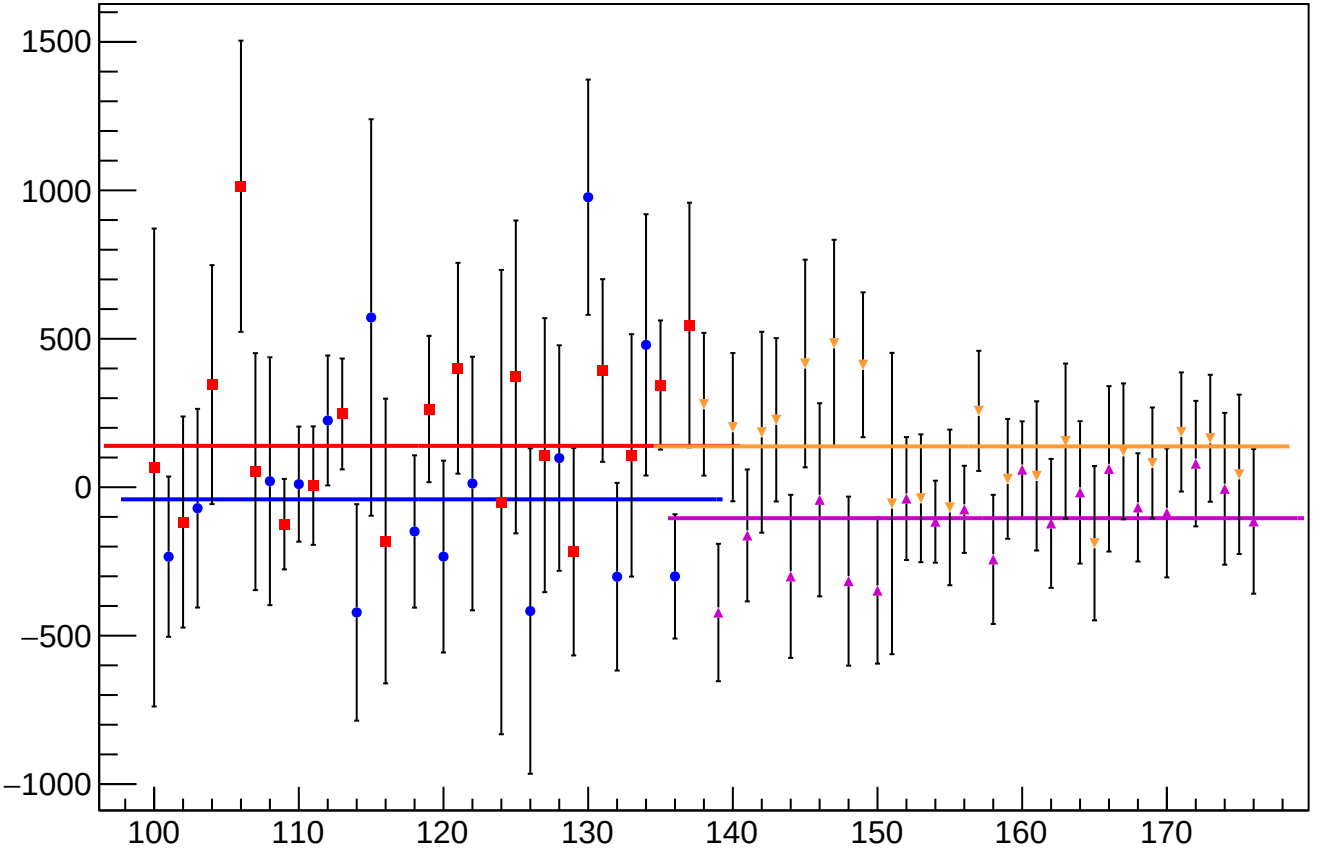
Left In: 180.332+/-0.034 χ^2/NDF:1608671.6/18

+ sign 204.933+/-0.031 χ^2/NDF: 2375129.4/35

All: 189.467+/-0.021 χ^2/NDF: 6090172.5/73

- sign 177.381+/-0.028 χ^2/NDF: 3284178.6/37

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 137.606+/-54.956 χ^2/NDF:7.5/19

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

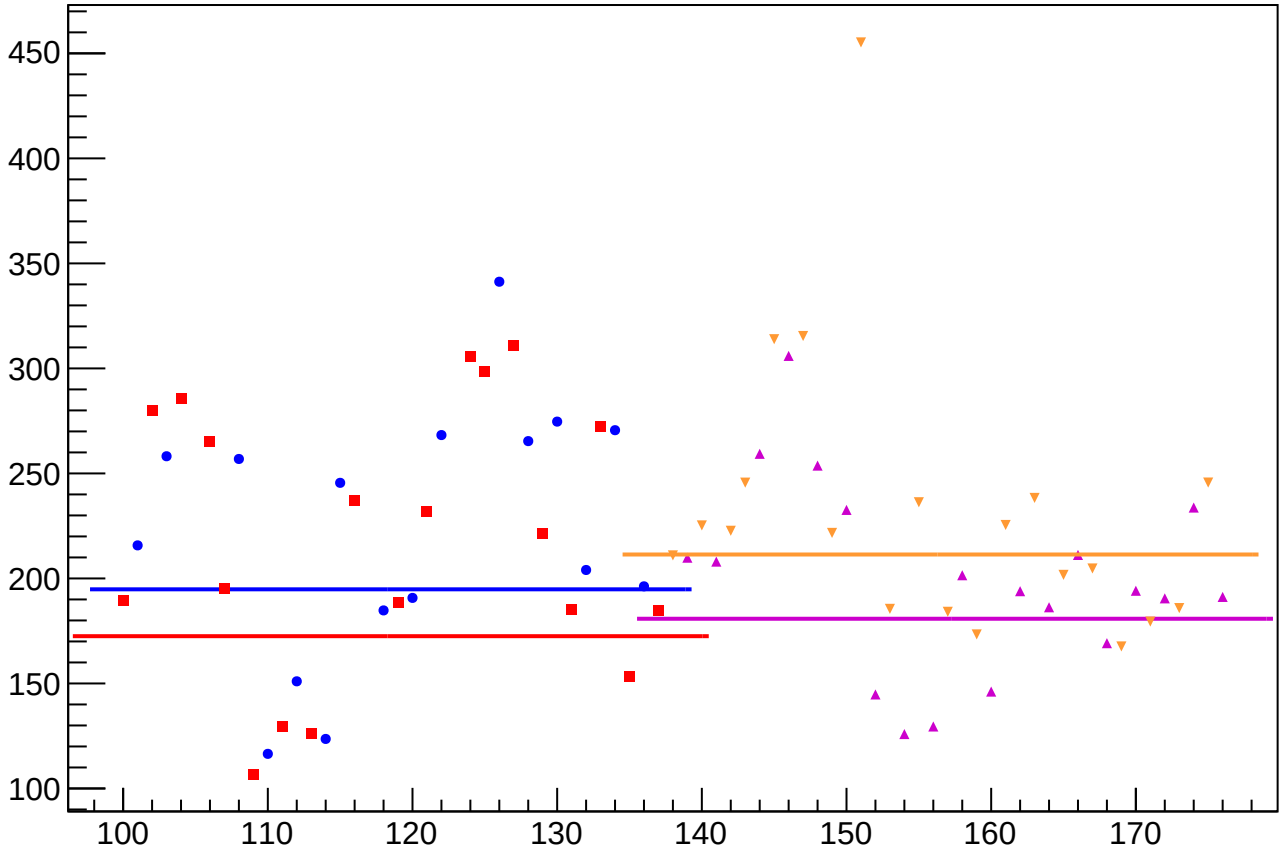
Left In: -104.334+/-48.287 χ^2/NDF:7.1/18

+ sign 76.960+/-44.648 χ^2/NDF: 26.5/35

All: 20.614+/-29.567 χ^2/NDF: 57.7/73

- sign -23.396+/-39.459 χ^2/NDF: 28.4/37

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 211.398+/-0.039 χ^2/NDF:1262012.7/19

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

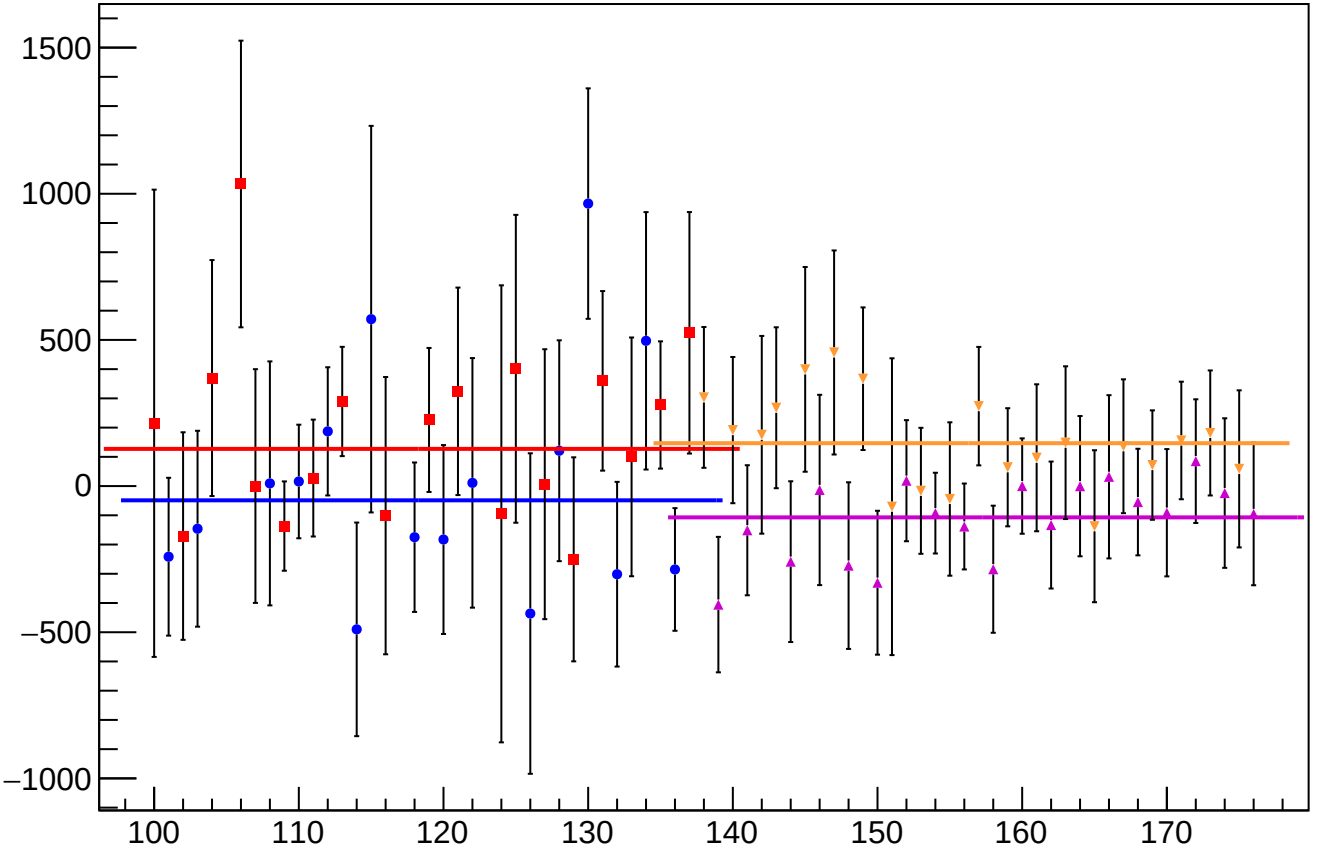
Left In: 180.808+/-0.034 χ^2/NDF:1612691.9/18

+ sign 205.762+/-0.032 χ^2/NDF: 2362979.6/35

All: 190.203+/-0.021 χ^2/NDF: 6069965.5/73

- sign 178.050+/-0.028 χ^2/NDF: 3274387.9/37

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 146.703+/-55.010 χ^2/NDF:6.2/19

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

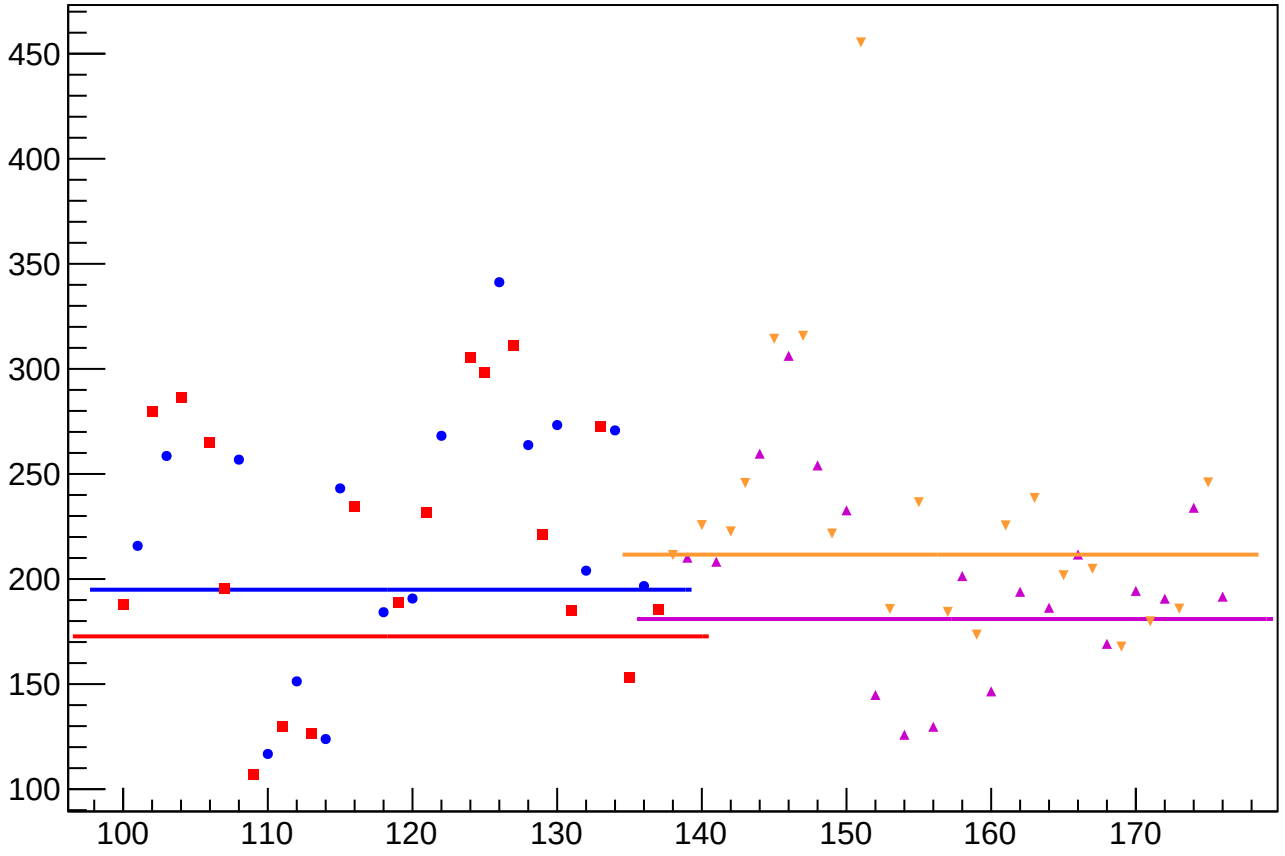
Left In: -107.099+/-48.331 χ^2/NDF:6.2/18

+ sign 80.190+/-44.680 χ^2/NDF: 25.9/35

All: 18.766+/-29.590 χ^2/NDF: 56.2/73

- sign -29.220+/-39.492 χ^2/NDF: 26.9/37

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.615+/-0.039 χ^2/NDF:1260472.2/19

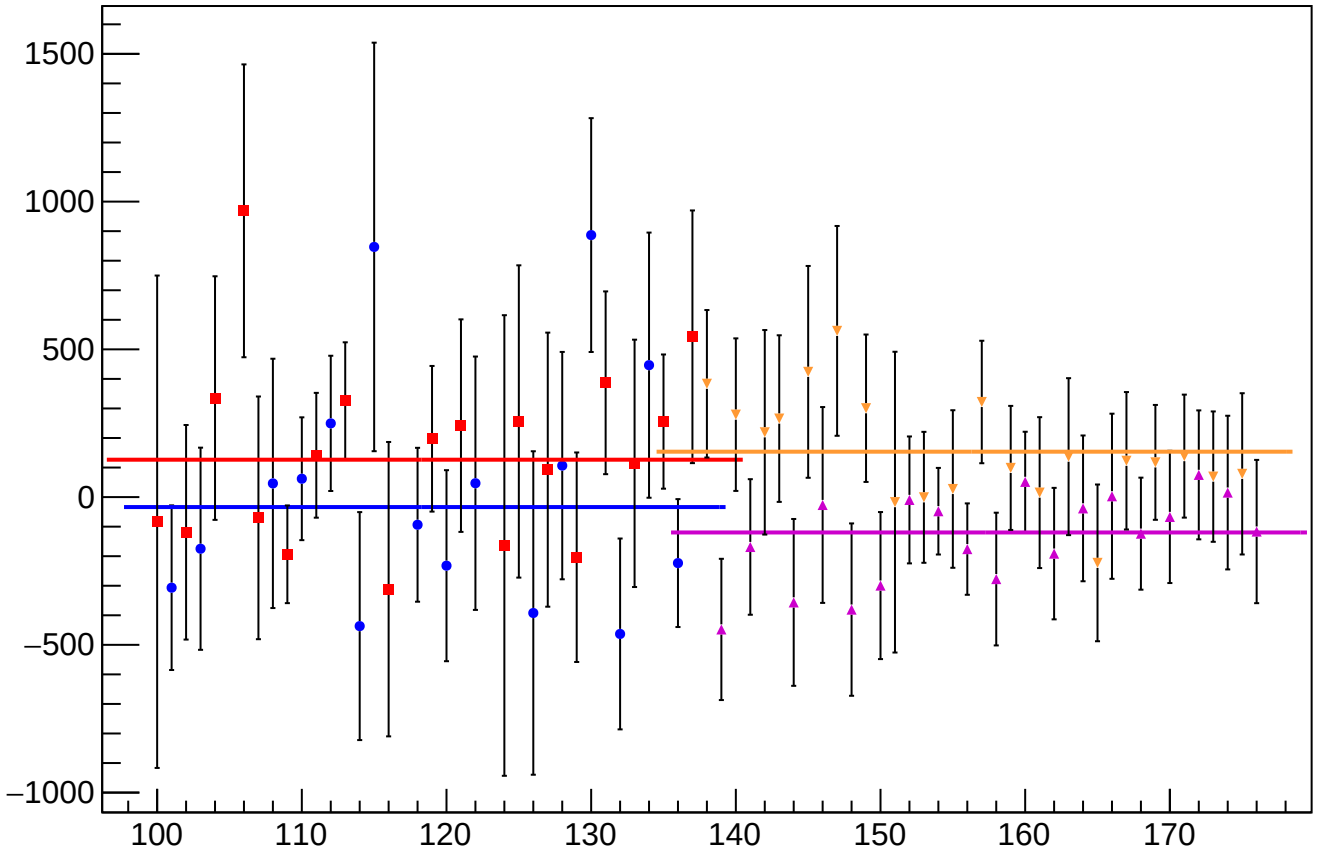
Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.975+/-0.034 χ^2/NDF:1612561.0/18

+ sign 205.934+/-0.032 χ^2/NDF: 2352040.3/35

All: 190.379+/-0.021 χ^2/NDF: 6047231.4/73

- sign 178.226+/-0.028 χ^2/NDF: 3263374.8/37



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 153.686+/-56.450 χ^2/NDF:7.7/19

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

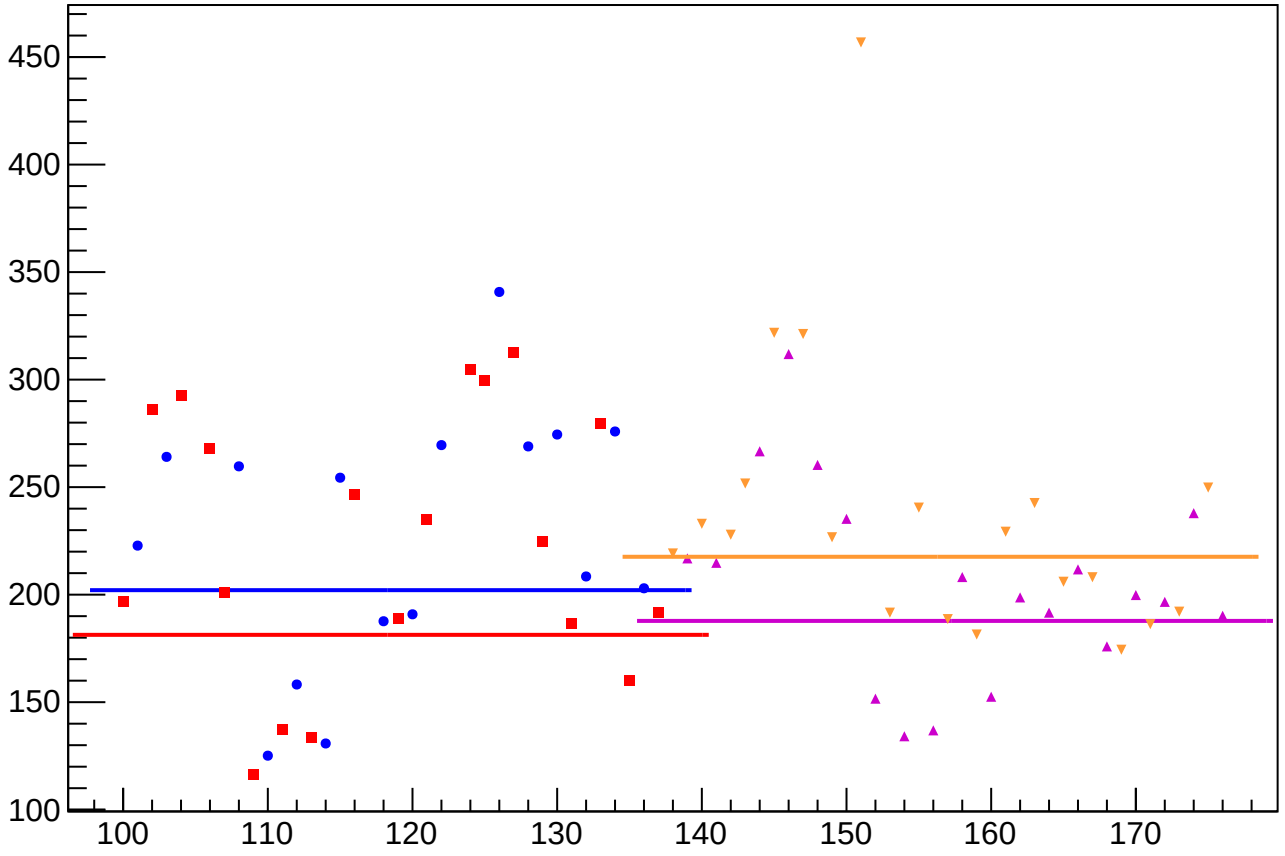
Left In: -119.713+/-49.951 χ^2/NDF:7.7/18

+ sign 90.333+/-45.929 χ^2/NDF: 27.1/35

All: 18.417+/-30.549 χ^2/NDF: 59.9/73

- sign -38.647+/-40.912 χ^2/NDF: 28.4/37

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 217.617+/-0.040 χ^2/NDF:1190245.0/19

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

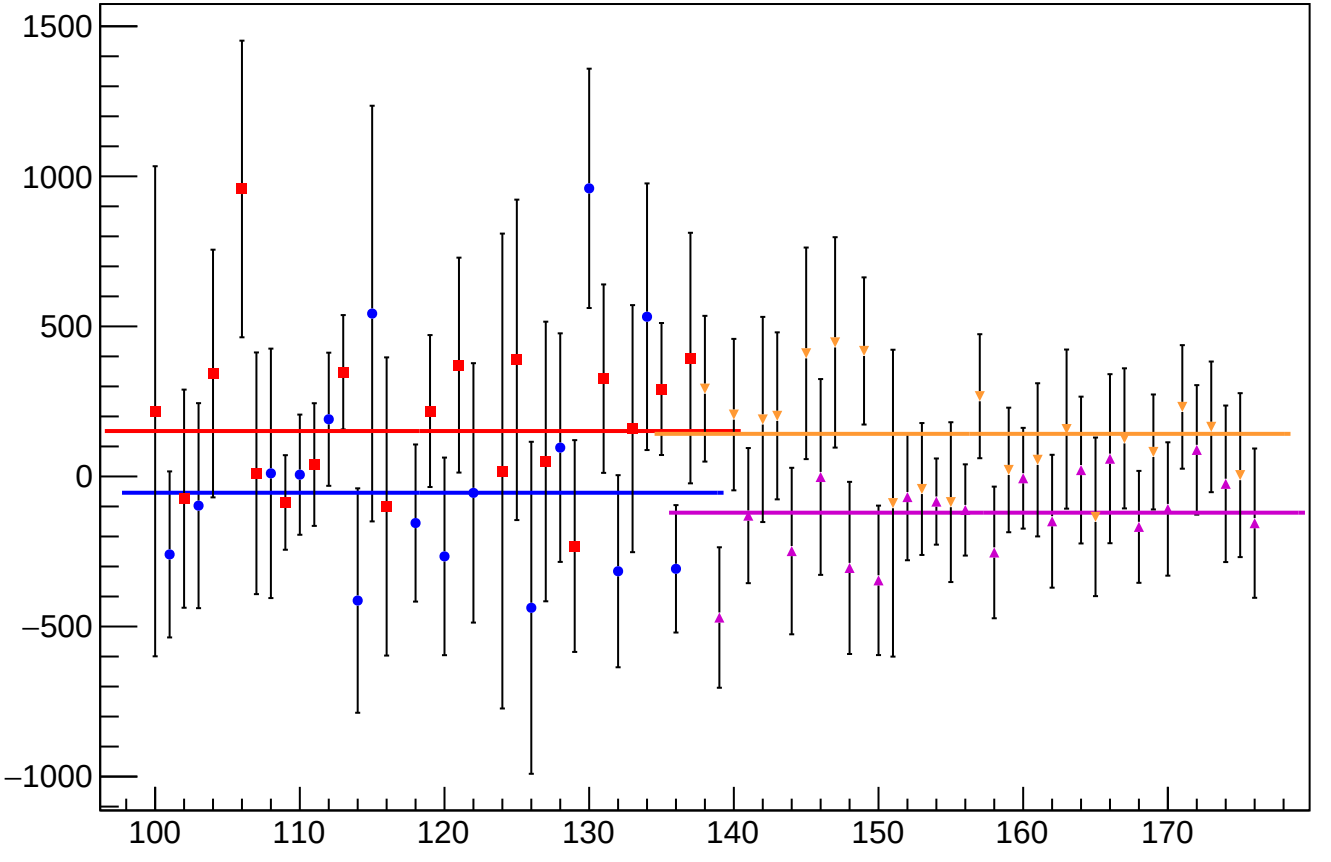
Left In: 187.793+/-0.035 χ^2/NDF:1446047.2/18

+ sign 212.369+/-0.032 χ^2/NDF: 2151653.2/35

All: 197.477+/-0.022 χ^2/NDF: 5426879.4/73

- sign 185.660+/-0.029 χ^2/NDF: 2898120.1/37

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 141.992+/-55.911 χ^2/NDF:7.2/19

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

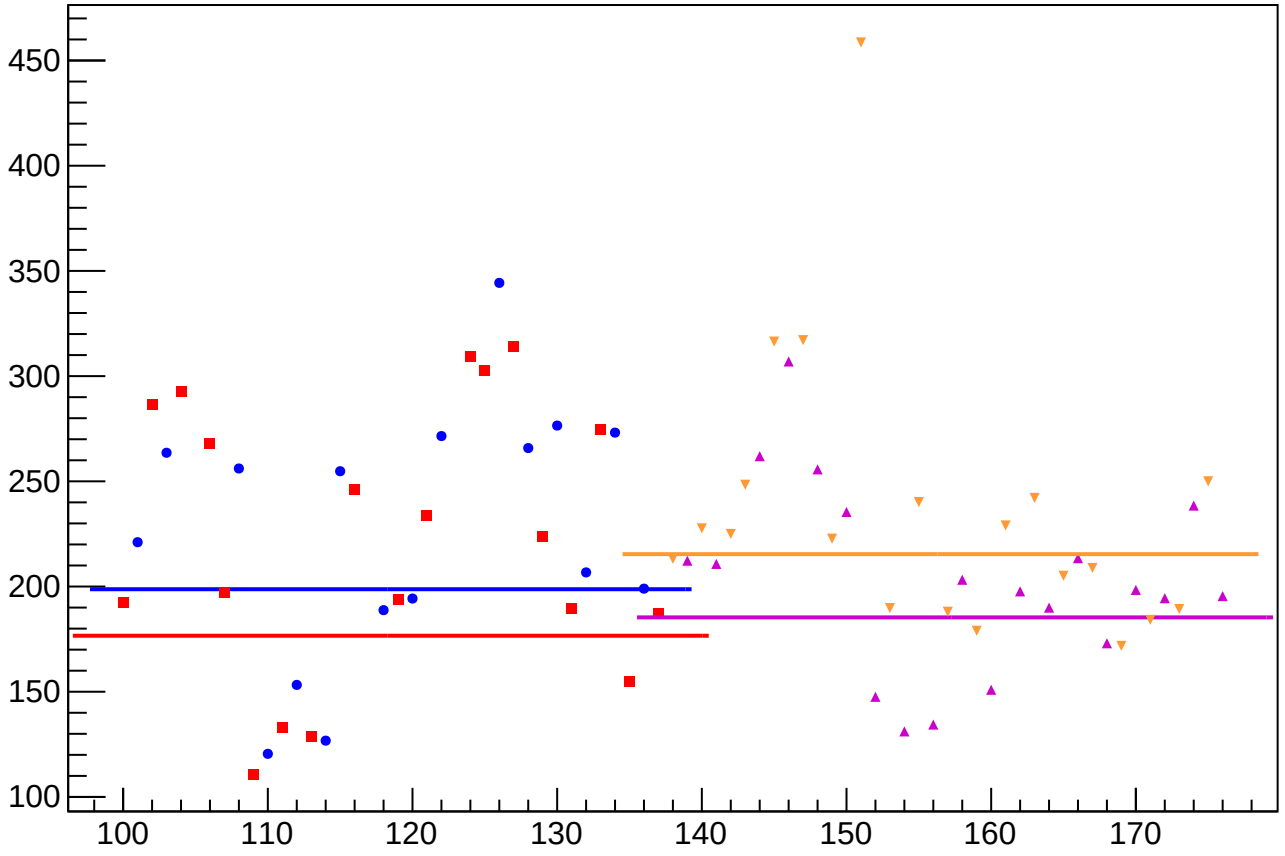
Left In: -120.705+/-49.365 χ^2/NDF:6.7/18

+ sign 75.321+/-45.432 χ^2/NDF: 26.5/35

All: 16.314+/-30.158 χ^2/NDF: 56.5/73

- sign -30.170+/-40.324 χ^2/NDF: 27.0/37

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 215.384+/-0.040 χ^2/NDF:1203764.7/19

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

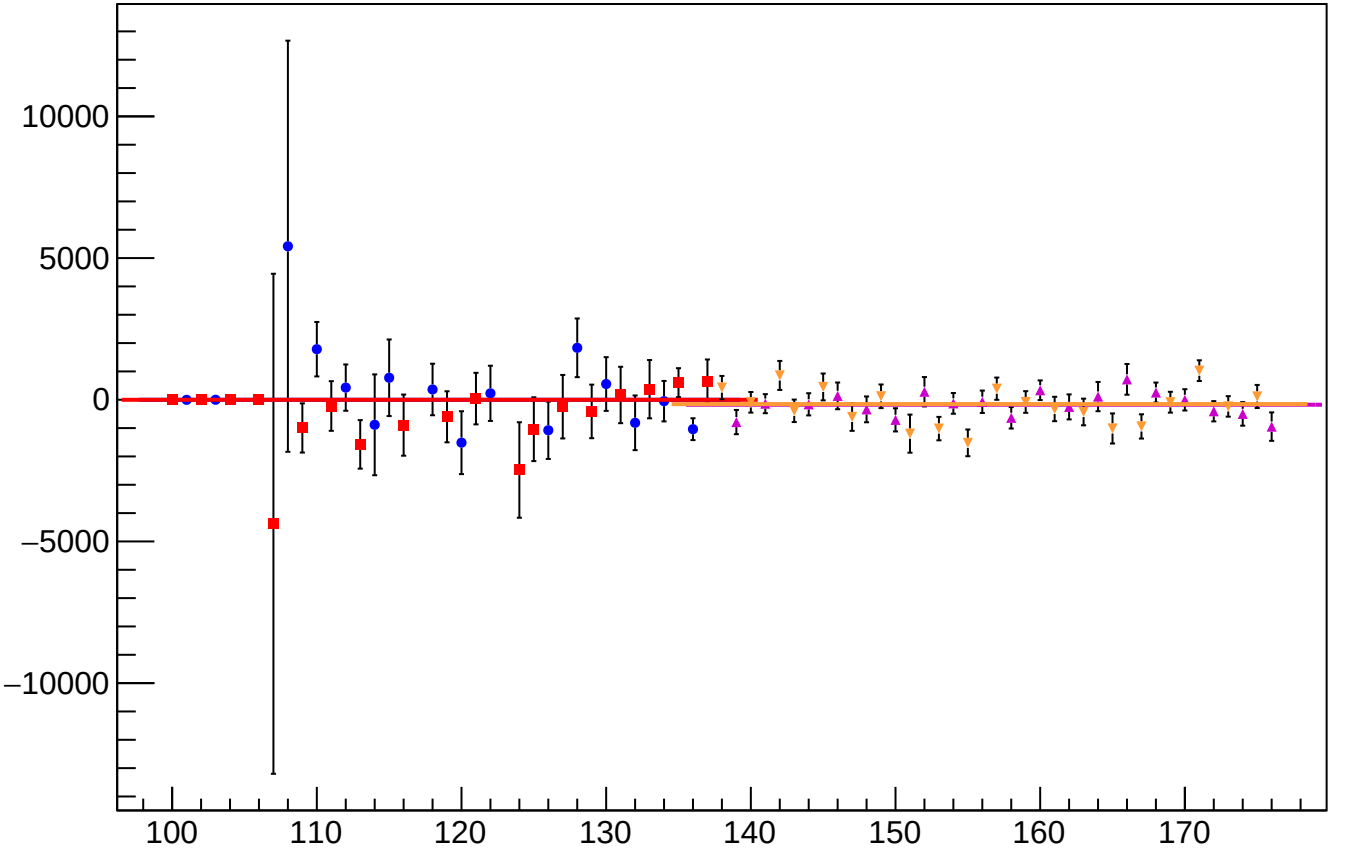
Left In: 185.339+/-0.035 χ^2/NDF:1487225.5/18

+ sign 209.722+/-0.032 χ^2/NDF: 2258202.2/35

All: 194.461+/-0.021 χ^2/NDF: 5765377.9/73

- sign 182.438+/-0.029 χ^2/NDF: 3103688.5/37

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -153.710+/-94.749 χ^2/NDF:43.8/19

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

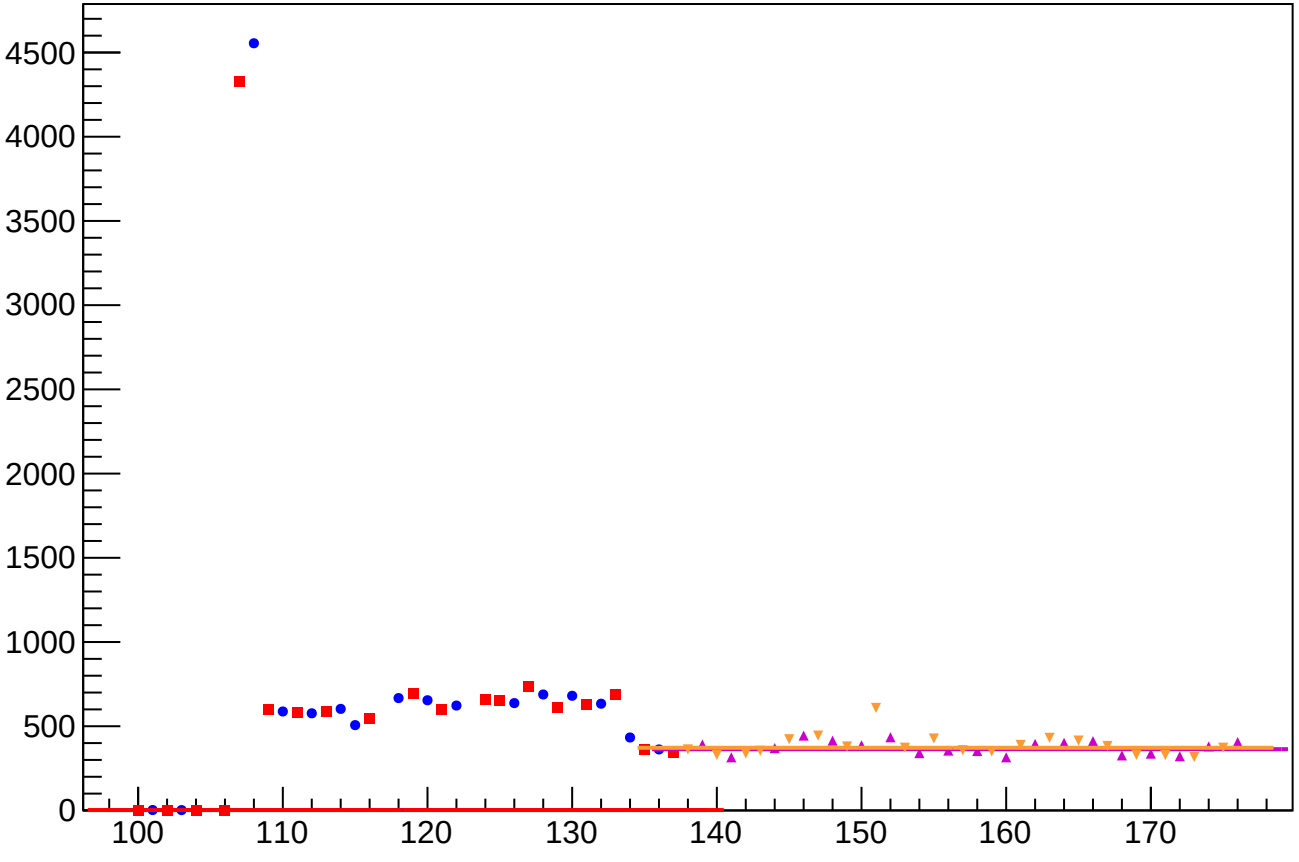
Left In: -175.636+/-93.653 χ^2/NDF:17.0/18

+ sign -1.319+/-2.170 χ^2/NDF: 66.3/35

All: -1.394+/-1.479 χ^2/NDF: 103.6/73

- sign -1.459+/-2.022 χ^2/NDF: 37.3/37

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 372.150+/-0.067 χ^2/NDF:542361.5/19

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

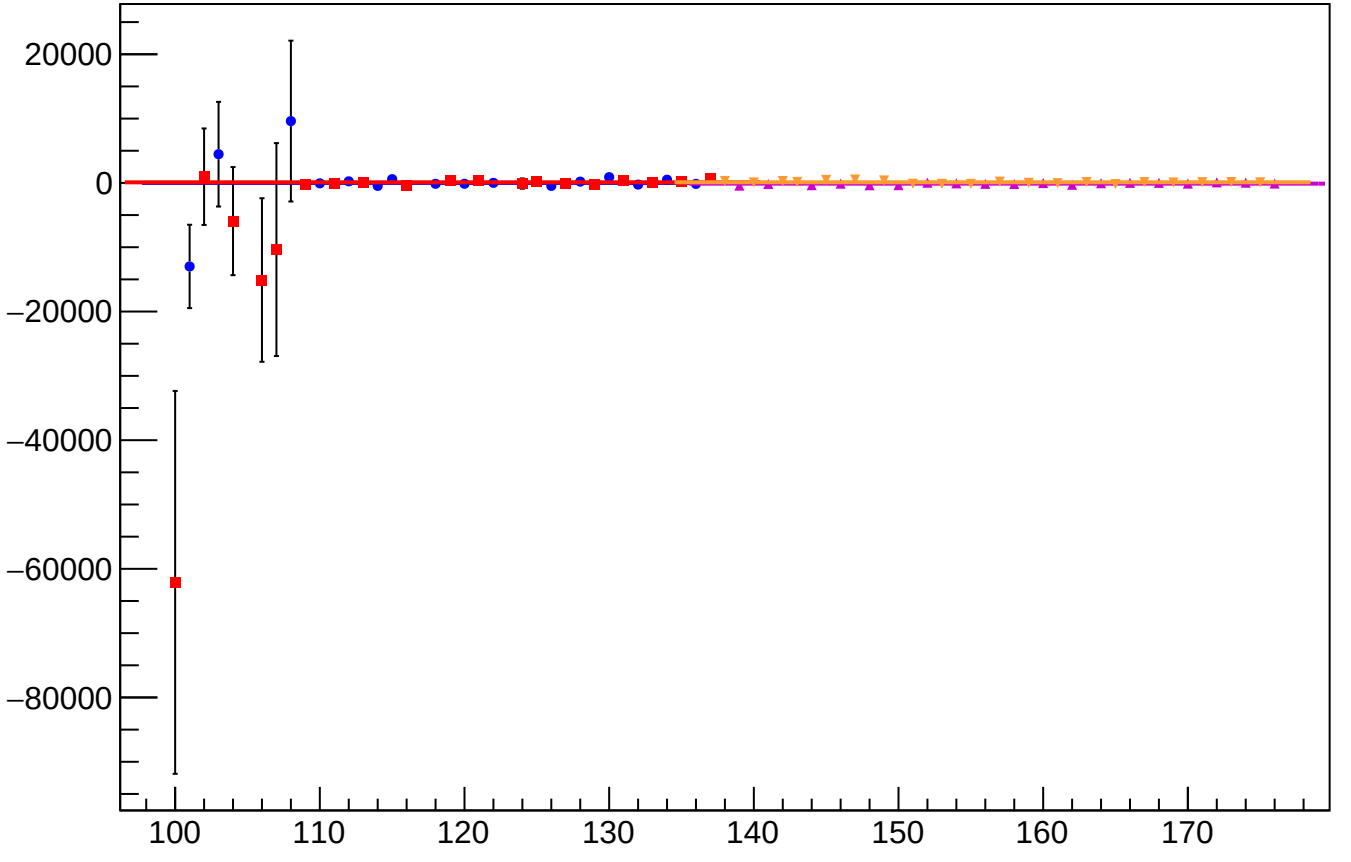
Left In: 363.741+/-0.066 χ^2/NDF:340207.2/18

\+ sign 2.671+/-0.002 χ^2/NDF: 42597647.4/35

All: 2.649+/-0.001 χ^2/NDF: 84232690.7/73

\- sign 2.631+/-0.001 χ^2/NDF: 41634678.0/37

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 100.206+/-58.371 χ^2/NDF:8.3/19

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

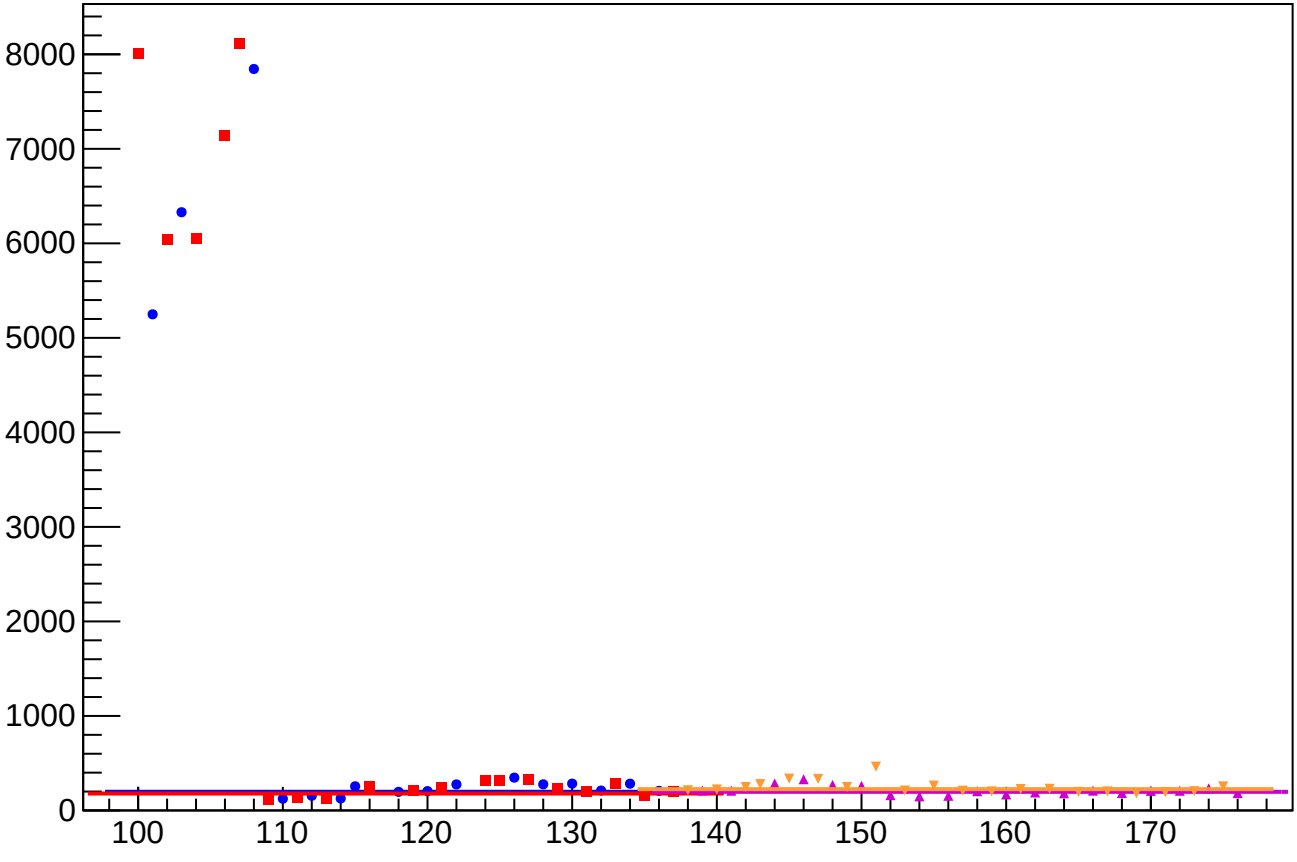
Left In: -114.861+/-52.079 χ^2/NDF:7.2/18

\+ sign 69.679+/-48.613 χ^2/NDF: 26.1/35

All: 0.385+/-32.581 χ^2/NDF: 56.2/73

\- sign -56.125+/-43.901 χ^2/NDF: 26.4/37

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 225.340+/-0.041 χ^2/NDF:1162245.7/19

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

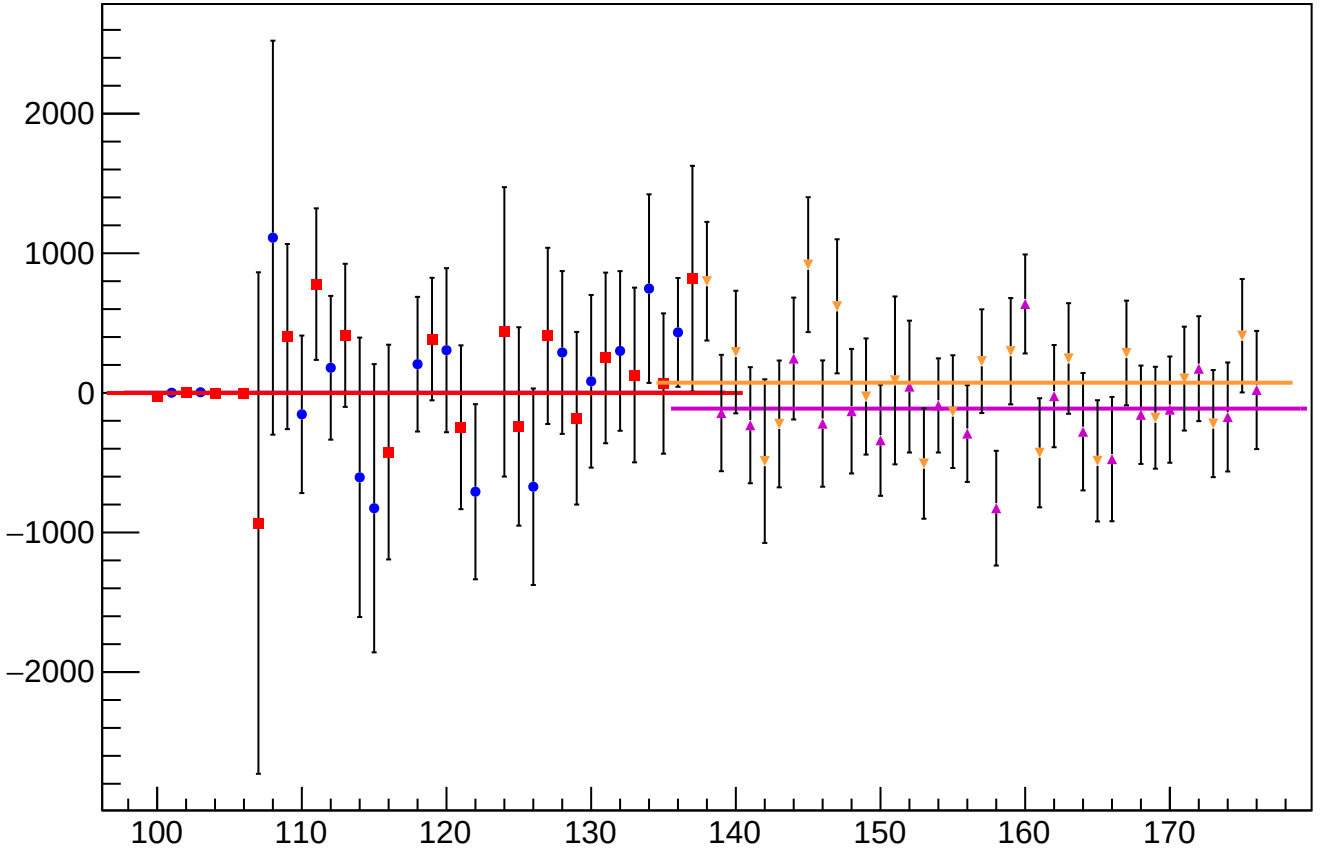
Left In: 196.985+/-0.037 χ^2/NDF:1143064.5/18

+ sign 216.846+/-0.034 χ^2/NDF: 5257643.4/35

All: 203.079+/-0.023 χ^2/NDF: 11177465.6/73

- sign 191.852+/-0.031 χ^2/NDF: 5628611.1/37

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 72.849+/-93.149 χ^2/NDF:17.4/19

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

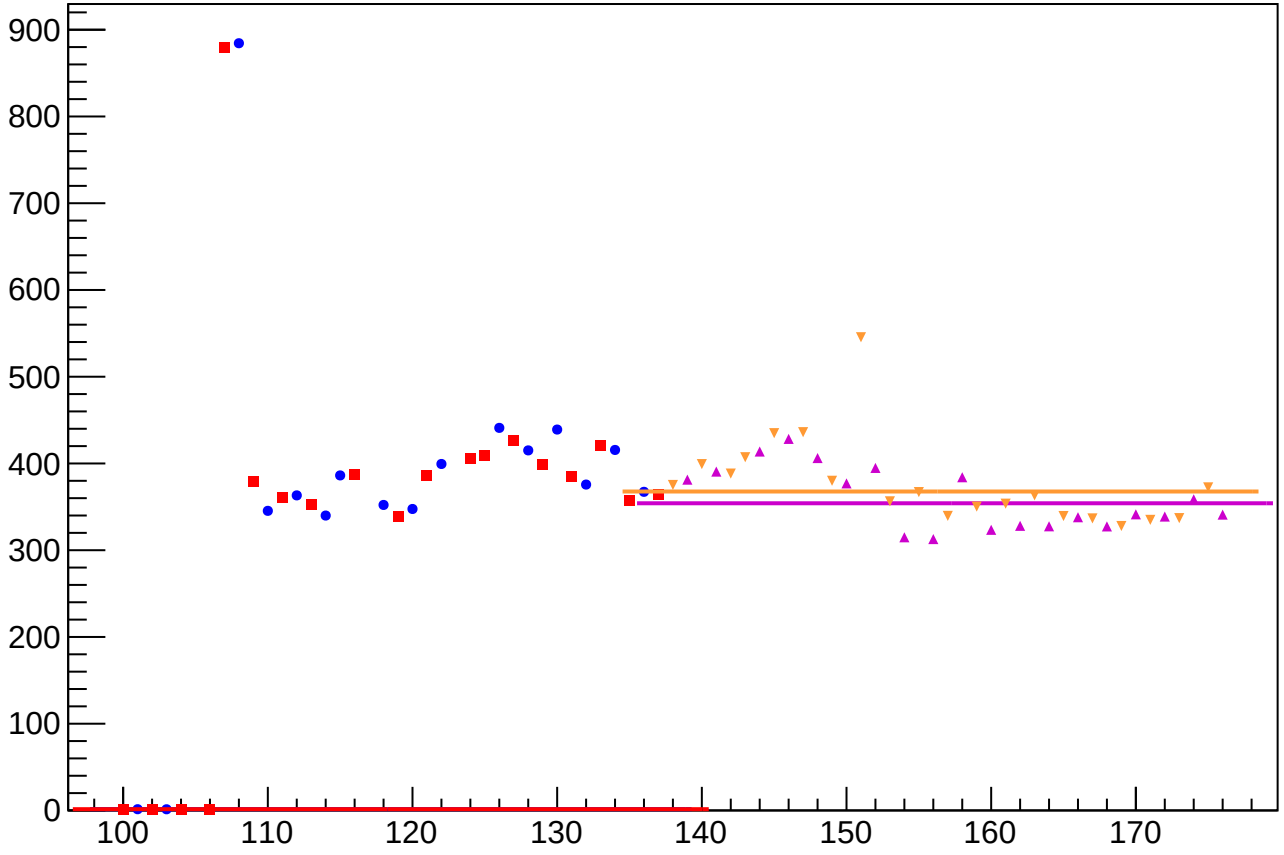
Left In: -112.669+/-90.975 χ^2/NDF:10.6/18

+ sign 1.478+/-1.660 χ^2/NDF: 25.9/35

All: 0.069+/-1.124 χ^2/NDF: 48.5/73

- sign -1.125+/-1.528 χ^2/NDF: 21.3/37

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 367.678+/-0.066 χ^2/NDF:379118.7/19

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

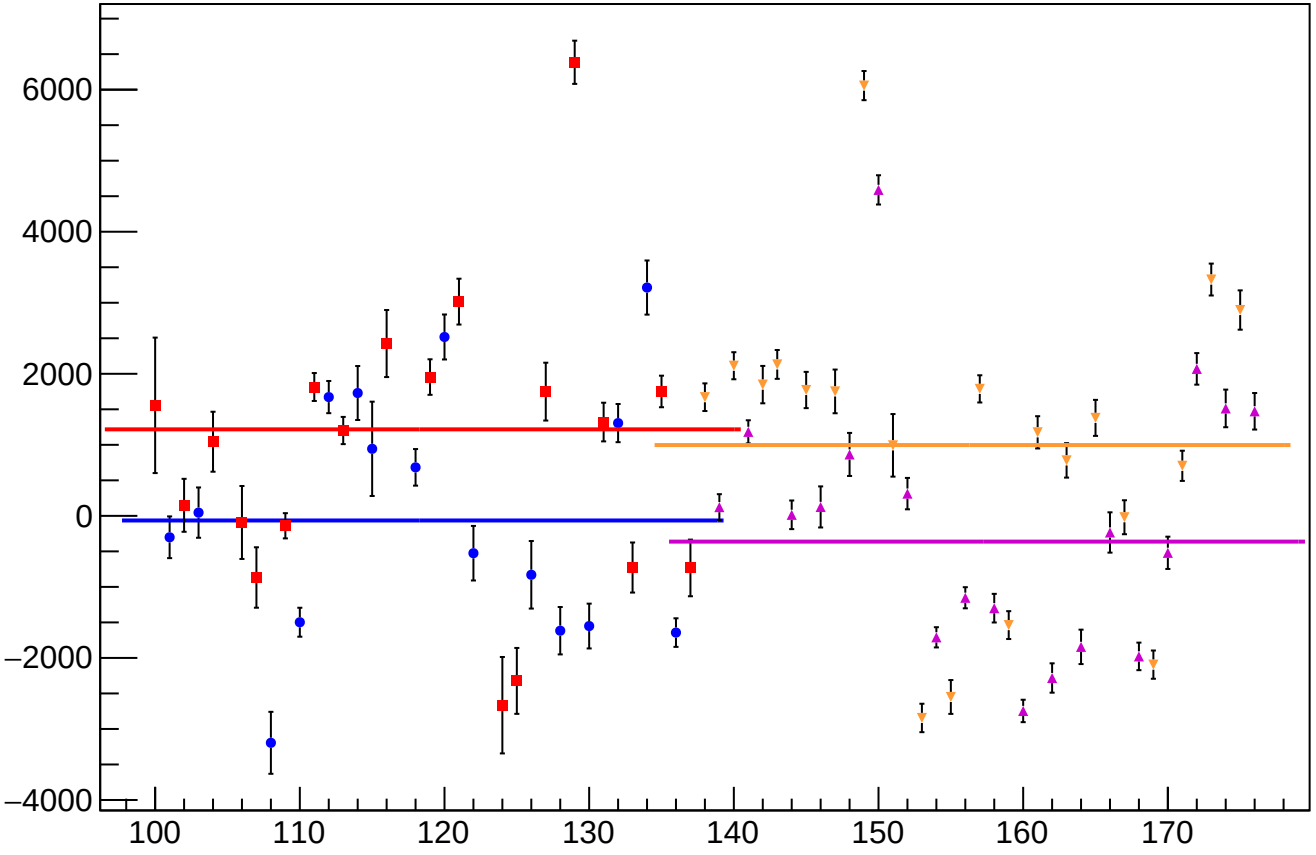
Left In: 354.118+/-0.064 χ^2/NDF:284769.8/18

+ sign 1.586+/-0.001 χ^2/NDF: 43016796.8/35

All: 1.576+/-0.001 χ^2/NDF: 84616005.8/73

- sign 1.567+/-0.001 χ^2/NDF: 41599053.3/37

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 996.842+/-50.436 χ^2/NDF:1906.3/19

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

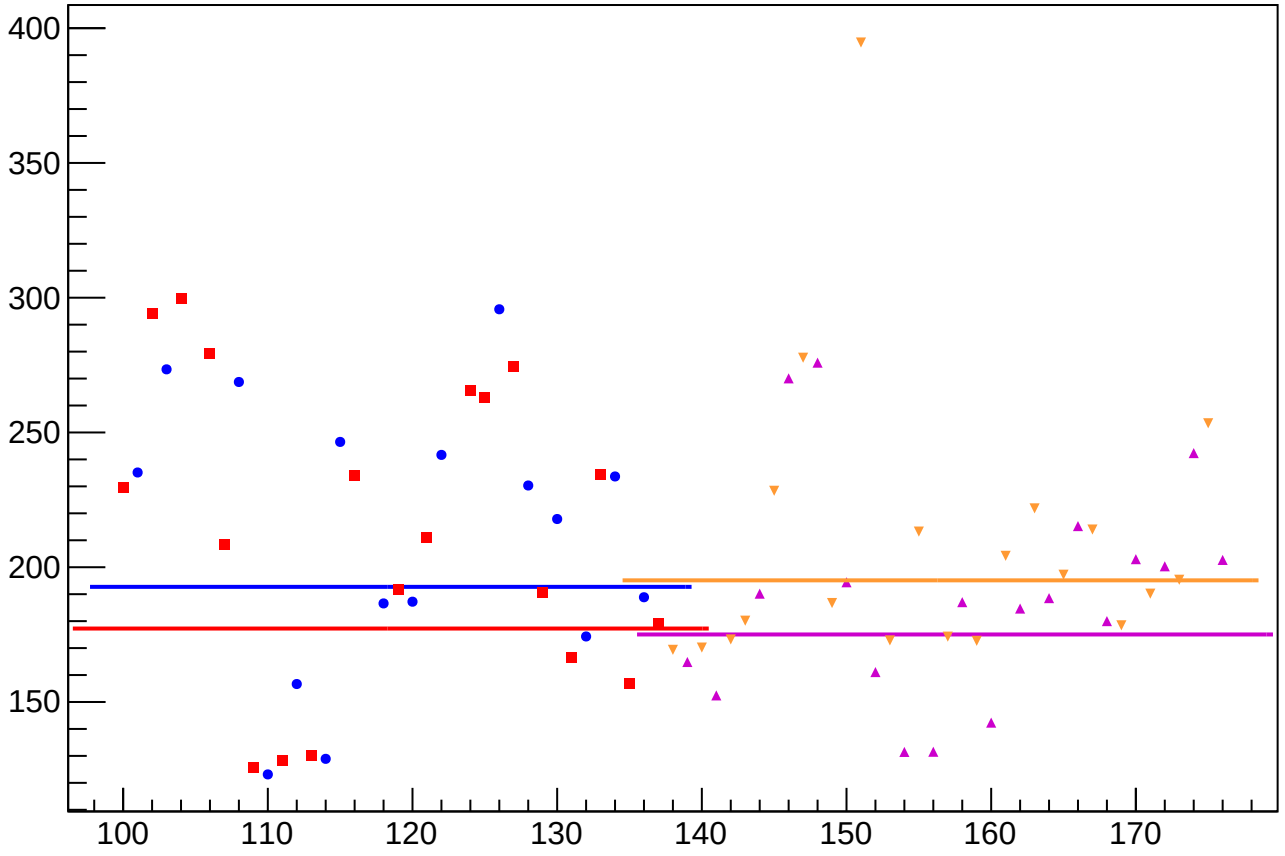
Left In: -362.510+/-46.262 χ^2/NDF:1489.5/18

+ sign 665.548+/-41.834 χ^2/NDF: 2514.0/35

All: 373.666+/-28.301 χ^2/NDF: 5049.6/73

- sign 127.370+/-38.429 χ^2/NDF: 2445.8/37

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 195.133+/-0.036 χ^2/NDF:916159.6/19

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

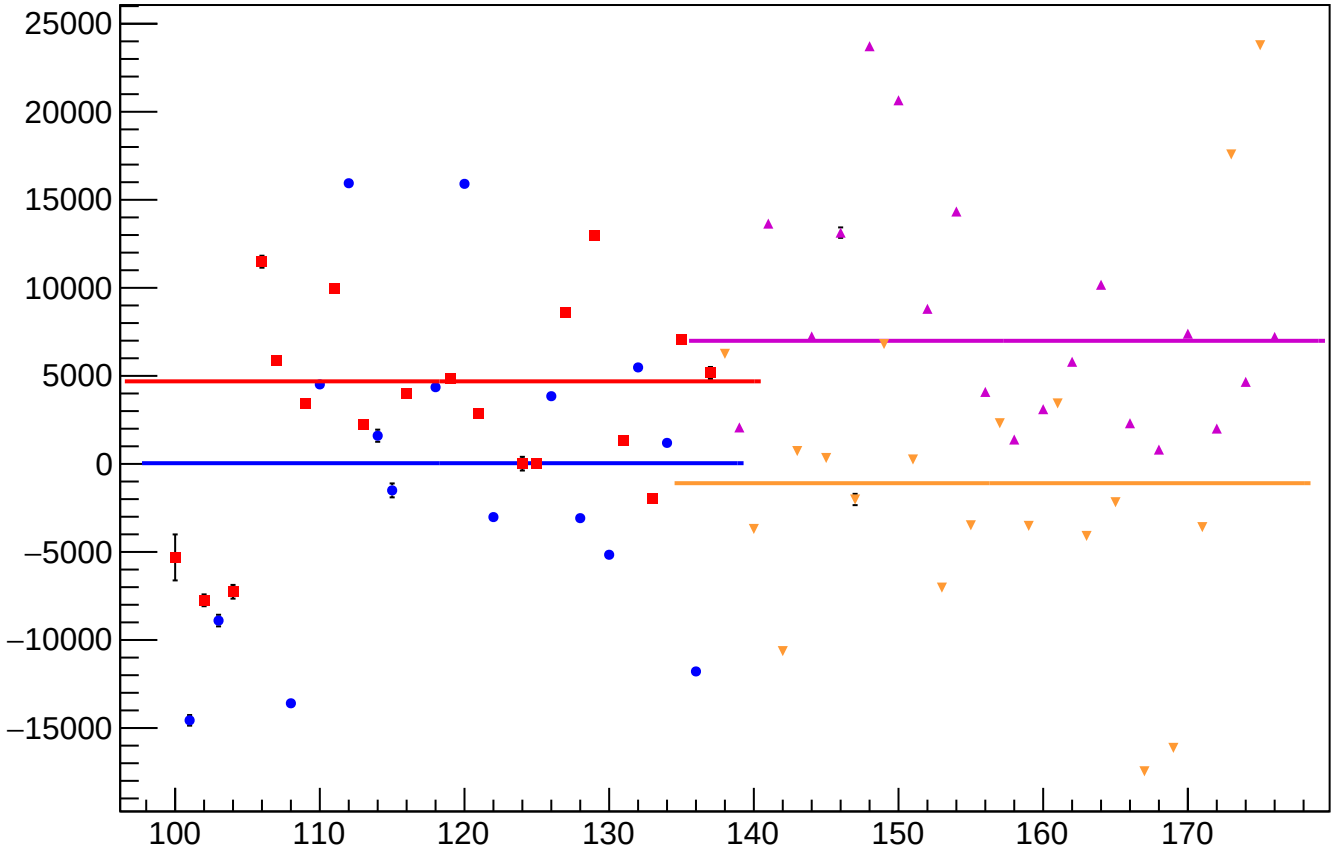
Left In: 175.052+/-0.033 χ^2/NDF:1231088.0/18

+ sign 194.380+/-0.030 χ^2/NDF: 1676735.1/35

All: 184.267+/-0.020 χ^2/NDF: 4350884.1/73

- sign 175.734+/-0.027 χ^2/NDF: 2458668.7/37

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1094.660+/-43.346 χ^2/NDF:46148.1/19

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

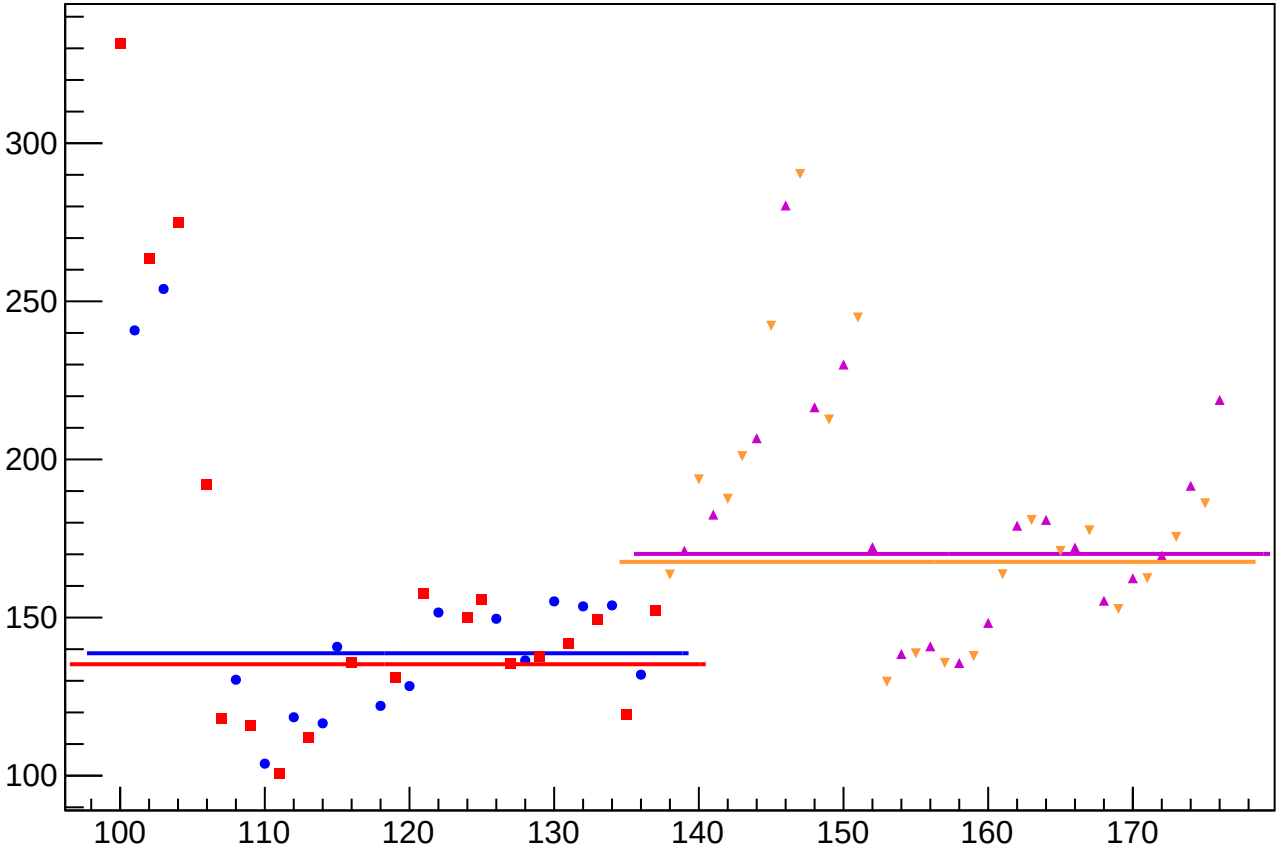
Left In: 6991.813+/-44.595 χ^2/NDF:17738.2/18

+ sign -651.675+/-33.851 χ^2/NDF: 77202.1/35

All: 2680.674+/-23.946 χ^2/NDF: 123259.3/73

- sign 6018.251+/-33.878 χ^2/NDF: 26660.8/37

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.615+/-0.031 χ^2/NDF:1179557.0/19

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

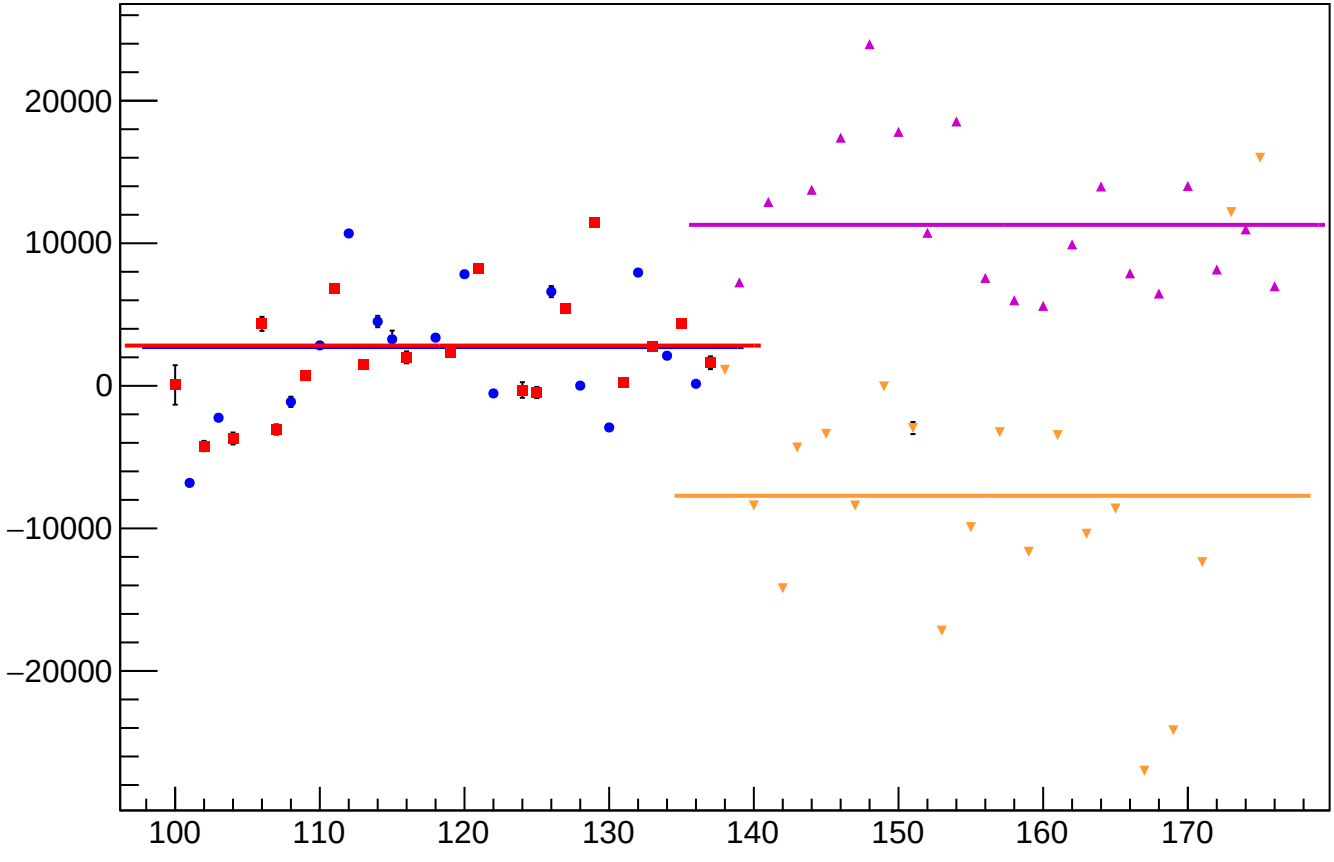
Left In: 170.120+/-0.032 χ^2/NDF:951737.9/18

+ sign 156.340+/-0.024 χ^2/NDF: 2184244.4/35

All: 155.856+/-0.017 χ^2/NDF: 4544095.3/73

- sign 155.372+/-0.024 χ^2/NDF: 2359033.1/37

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7712.176+/-50.902 χ^2/NDF:39148.6/19

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

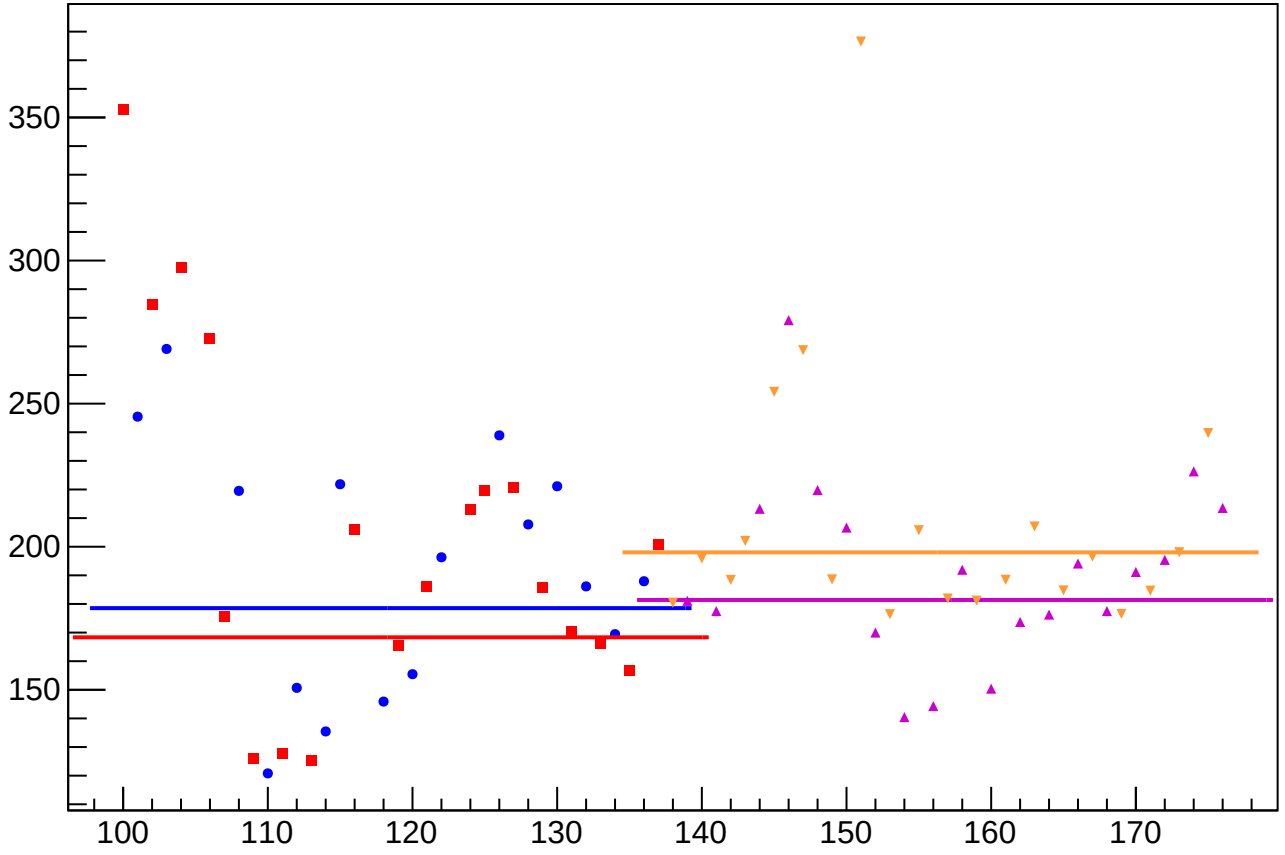
Left In: 11291.807+/-47.500 χ^2/NDF:10841.7/18

+ sign -4052.663+/-41.013 χ^2/NDF: 58012.0/35

All: 2561.250+/-28.000 χ^2/NDF: 131721.4/73

- sign 8335.019+/-38.320 χ^2/NDF: 25002.0/37

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.029+/-0.036 χ^2/NDF:716878.9/19

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

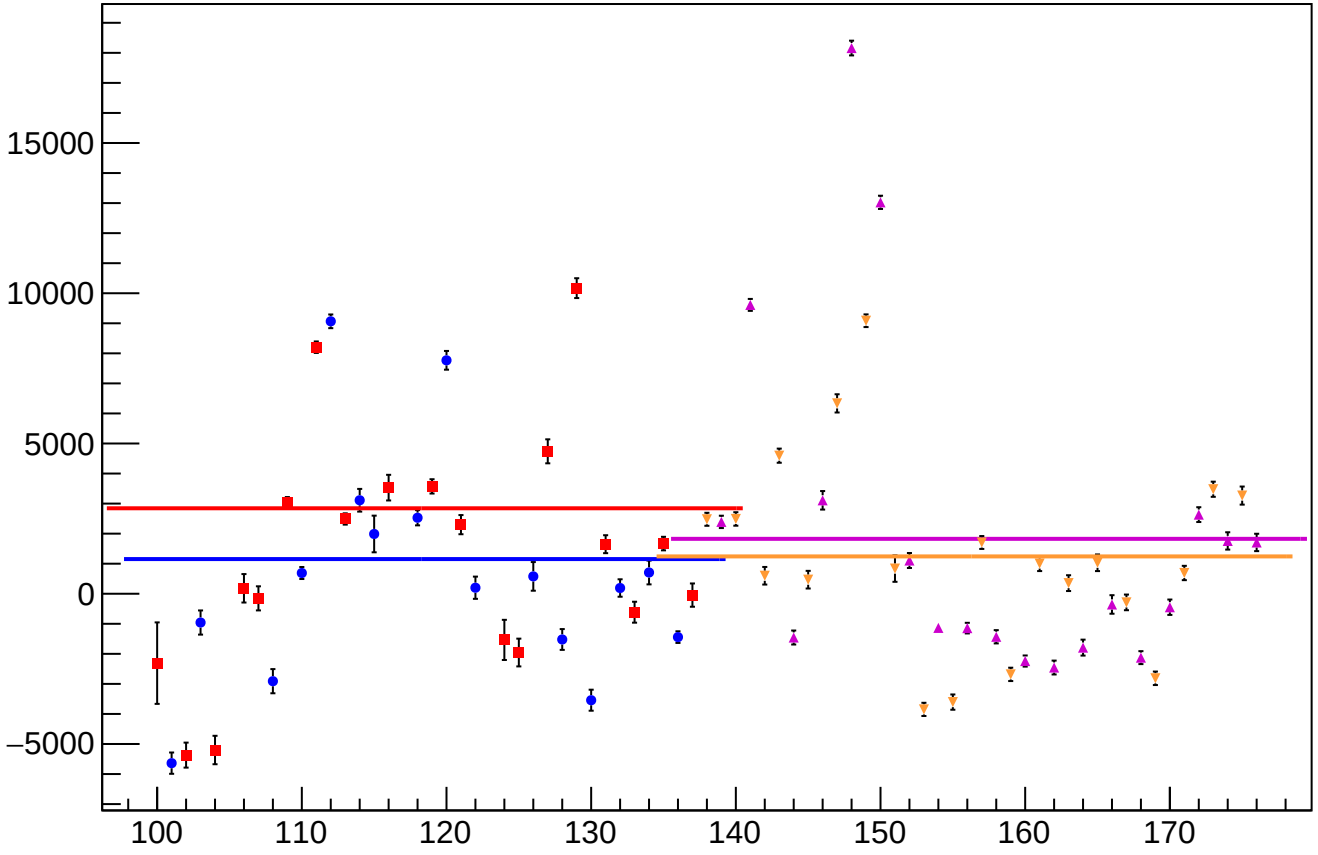
Left In: 181.391+/-0.034 χ^2/NDF:780519.3/18

+ sign 191.193+/-0.029 χ^2/NDF: 1494279.1/35

All: 183.525+/-0.020 χ^2/NDF: 3437959.0/73

- sign 176.832+/-0.027 χ^2/NDF: 1812766.2/37

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1242.304+/-55.779 χ^2/NDF:3662.1/19

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

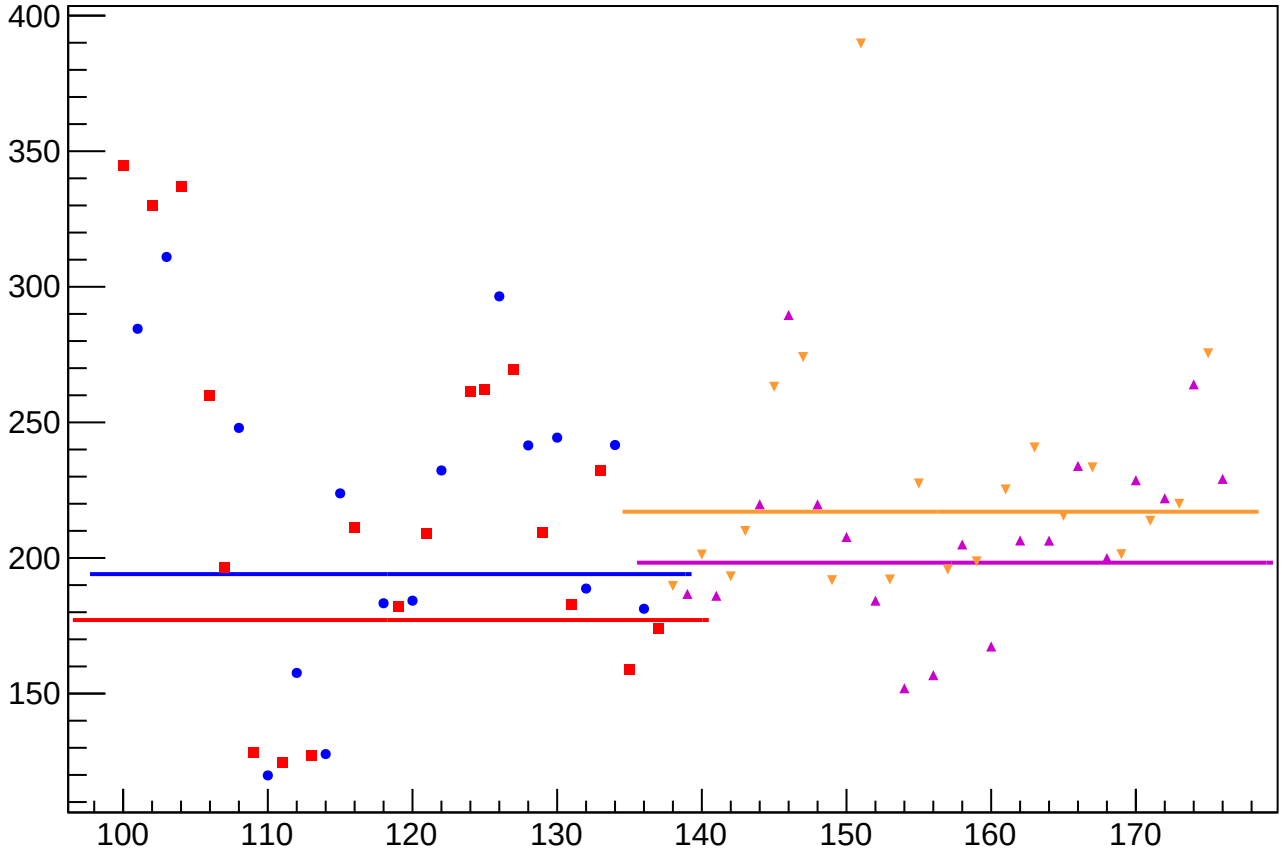
Left In: 1827.108+/-51.942 χ^2/NDF:11093.3/18

+ sign 1211.306+/-44.958 χ^2/NDF: 6318.4/35

All: 1741.537+/-30.506 χ^2/NDF: 20260.8/73

- sign 2193.940+/-41.528 χ^2/NDF: 13684.7/37

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 217.058+/-0.039 χ^2/NDF:688846.2/19

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

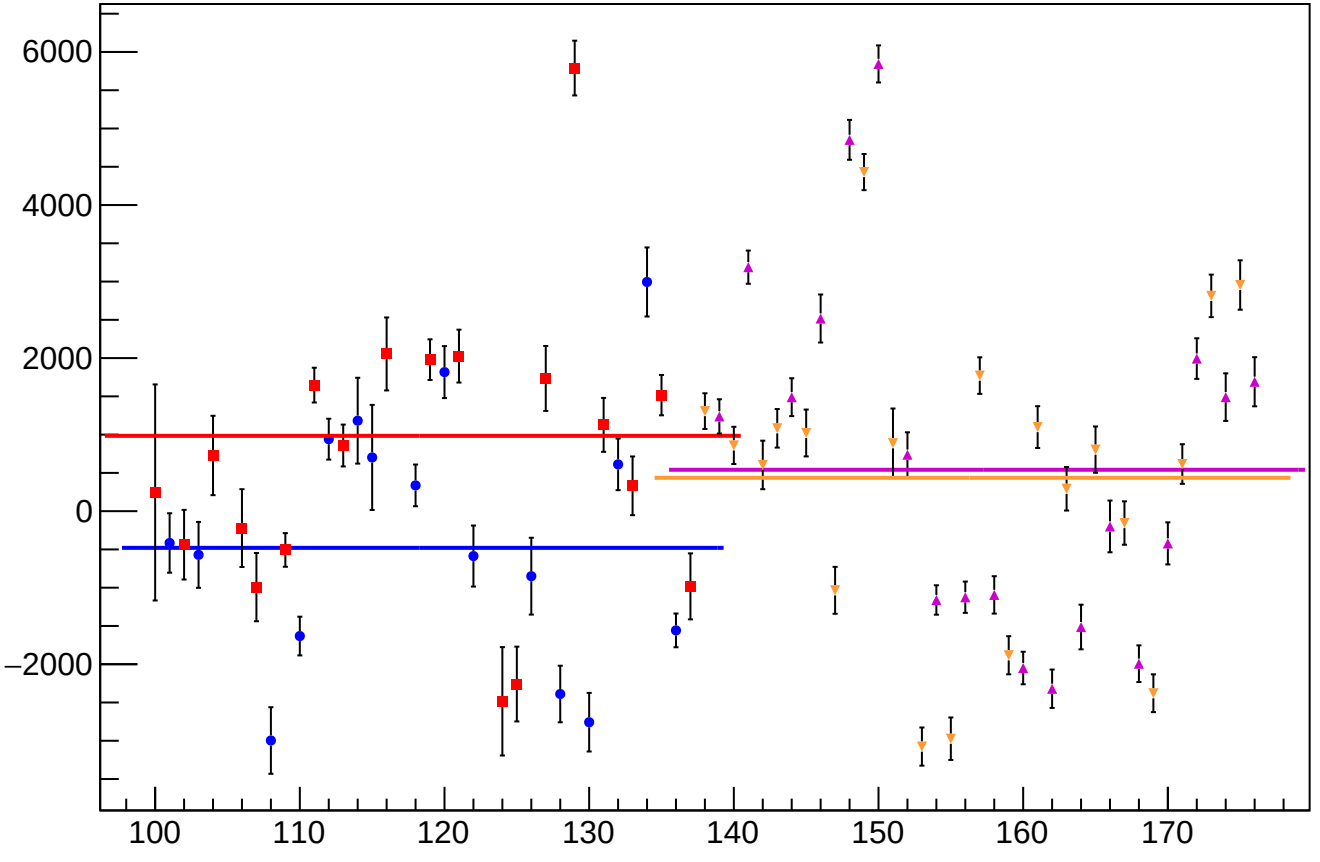
Left In: 198.270+/-0.037 χ^2/NDF:763146.2/18

+ sign 208.998+/-0.032 χ^2/NDF: 1773819.1/35

All: 199.091+/-0.022 χ^2/NDF: 4195994.2/73

- sign 190.638+/-0.029 χ^2/NDF: 2242178.5/37

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 436.015+/-60.759 χ^2/NDF:1081.5/19

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

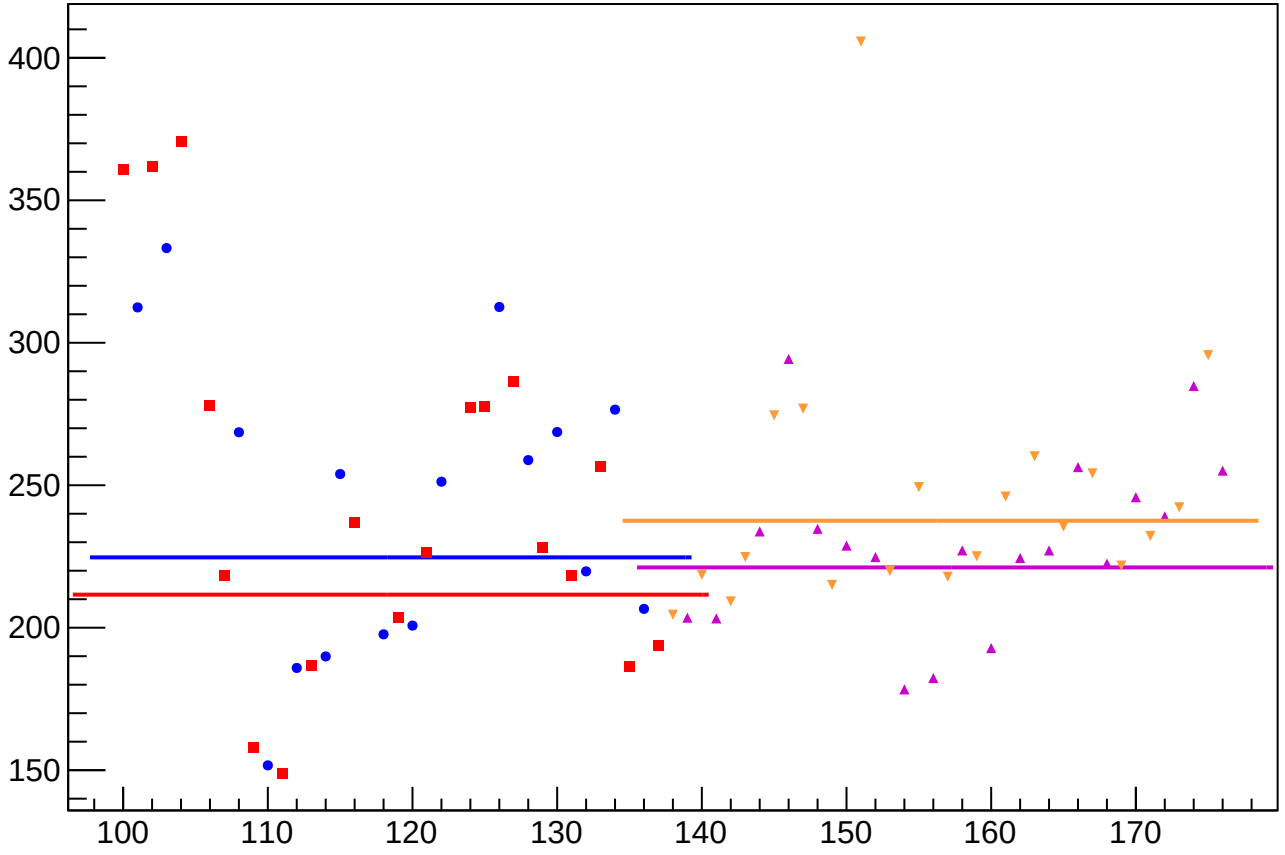
Left In: 540.953+/-57.502 χ^2/NDF:1665.0/18

+ sign 134.476+/-49.754 χ^2/NDF: 1461.7/35

All: 428.607+/-34.119 χ^2/NDF: 3610.8/73

- sign 689.715+/-46.878 χ^2/NDF: 2083.1/37

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 237.539+/-0.043 χ^2/NDF:556343.2/19

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

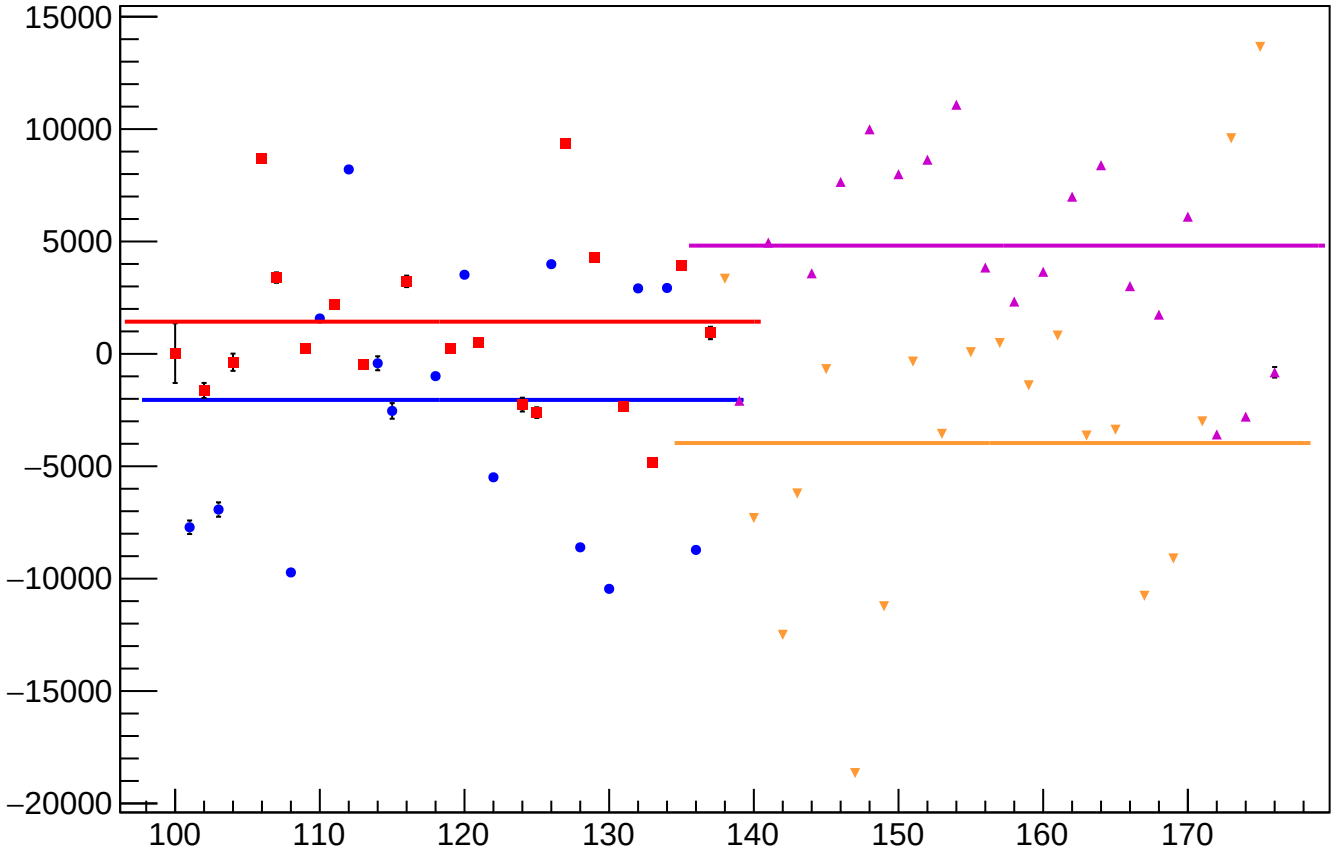
Left In: 221.158+/-0.041 χ^2/NDF:510069.5/18

+ sign 233.304+/-0.035 χ^2/NDF: 1239038.4/35

All: 225.171+/-0.024 χ^2/NDF: 2801453.1/73

- sign 217.950+/-0.033 χ^2/NDF: 1461522.9/37

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3966.073+/-32.259 χ^2/NDF:46909.8/19

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

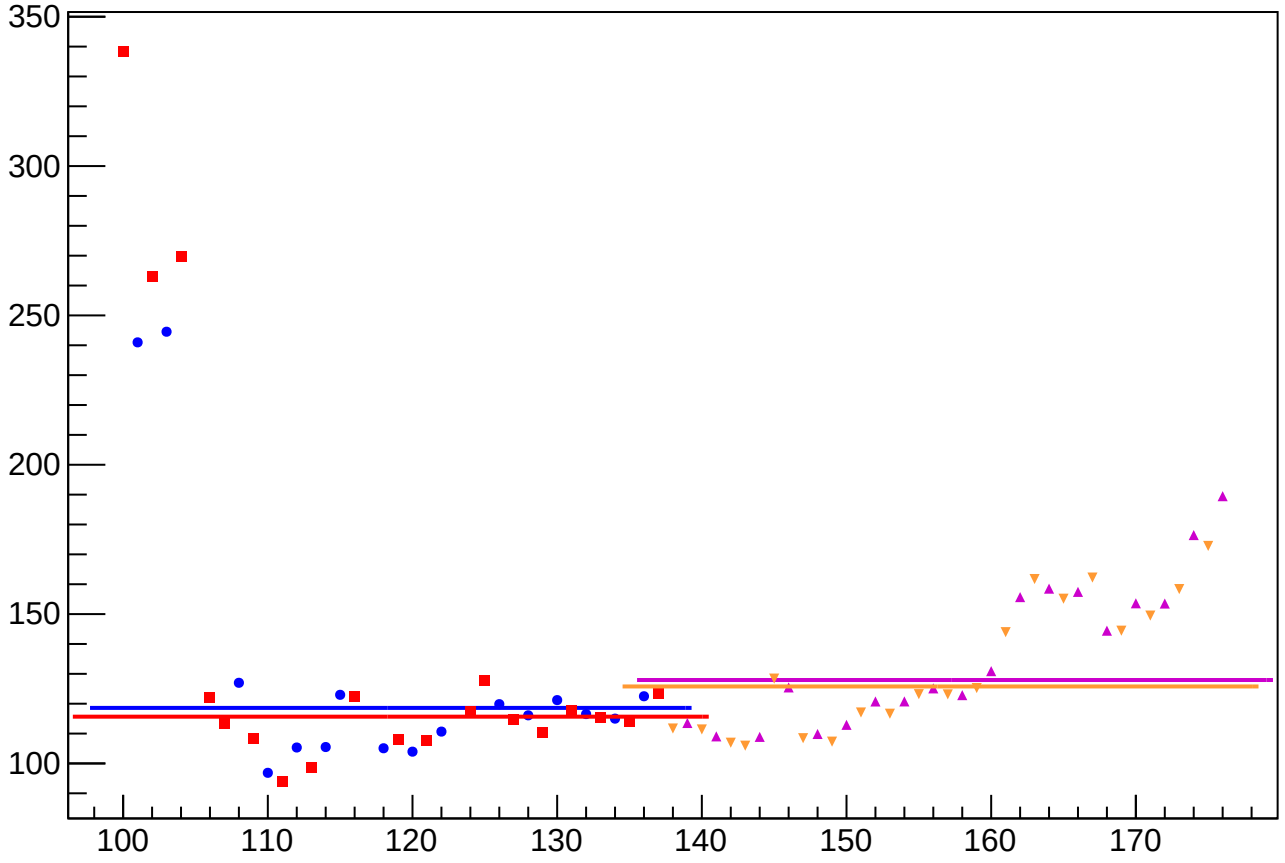
Left In: 4816.123+/-33.157 χ^2/NDF:15227.7/18

+ sign -3346.635+/-26.546 χ^2/NDF: 64761.1/35

All: 123.058+/-18.803 χ^2/NDF: 124351.9/73

- sign 3616.345+/-26.636 χ^2/NDF: 25307.8/37

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 125.773+/-0.023 χ^2/NDF:732079.7/19

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

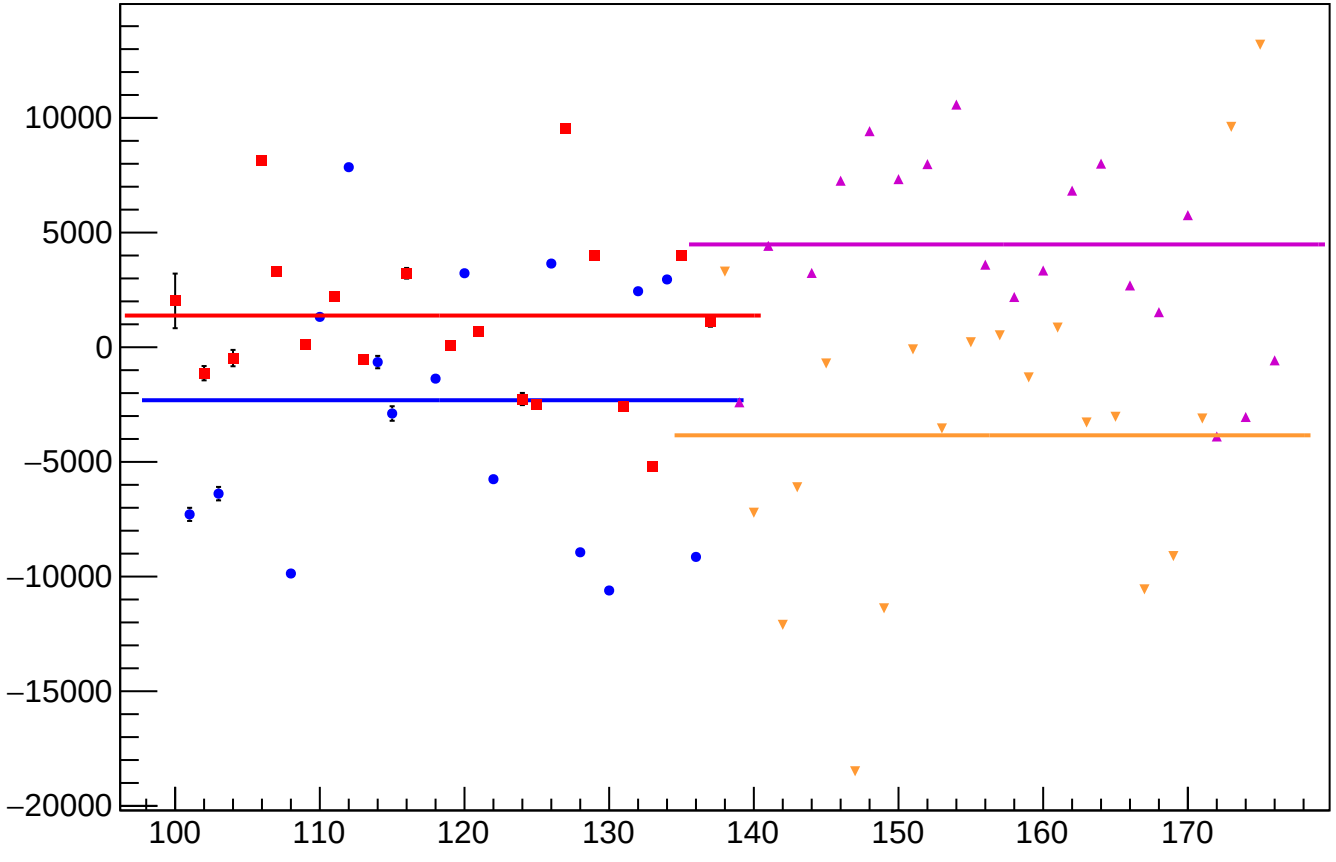
Left In: 127.934+/-0.023 χ^2/NDF:735368.0/18

+ sign 123.456+/-0.019 χ^2/NDF: 1498198.7/35

All: 123.518+/-0.013 χ^2/NDF: 3194997.3/73

- sign 123.581+/-0.019 χ^2/NDF: 1696776.5/37

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -3840.321+/-29.020 χ^2/NDF:55088.3/19

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

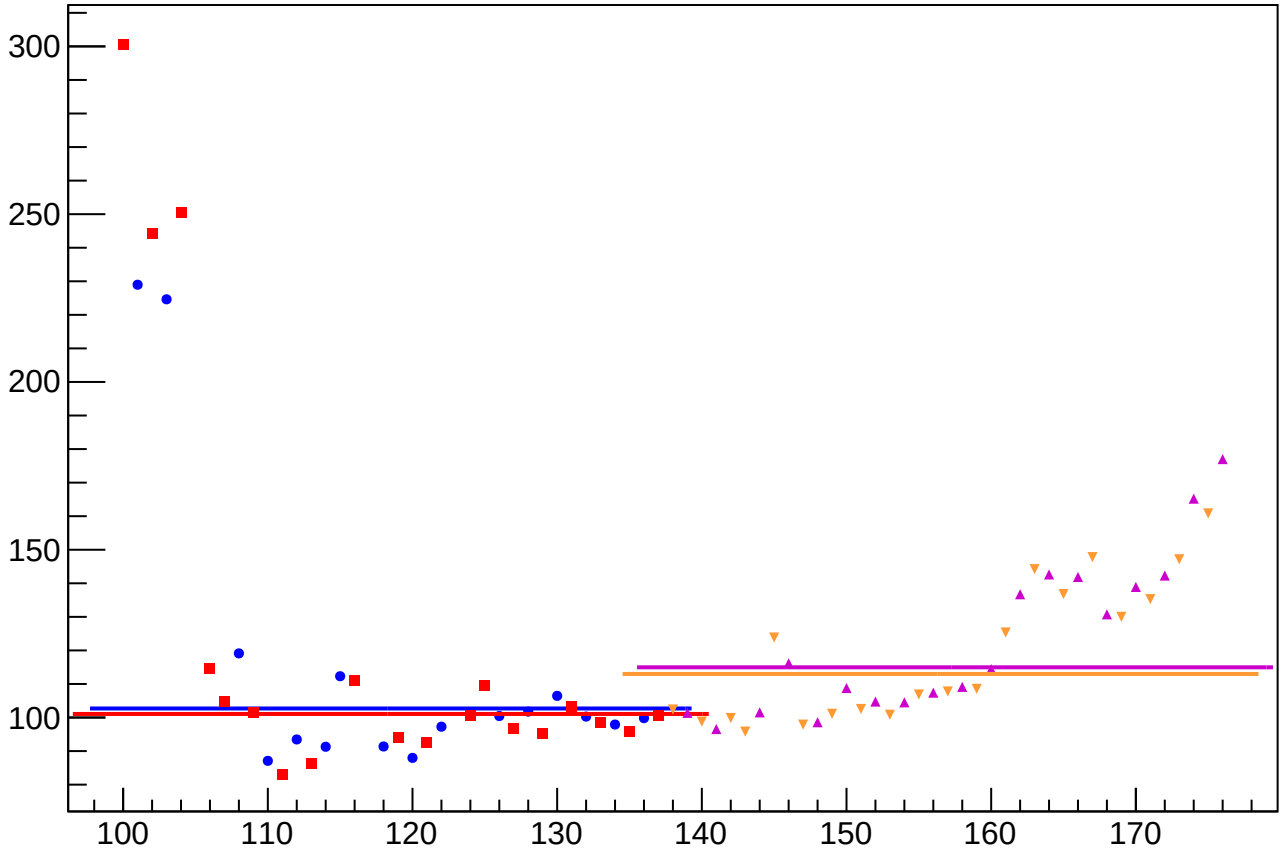
Left In: 4483.214+/-29.851 χ^2/NDF:17624.5/18

+ sign -3325.311+/-23.635 χ^2/NDF: 77703.2/35

All: -8.010+/-16.764 χ^2/NDF: 147490.9/73

- sign 3350.186+/-23.780 χ^2/NDF: 30146.3/37

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 112.984+/-0.021 χ^2/NDF:760367.3/19

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

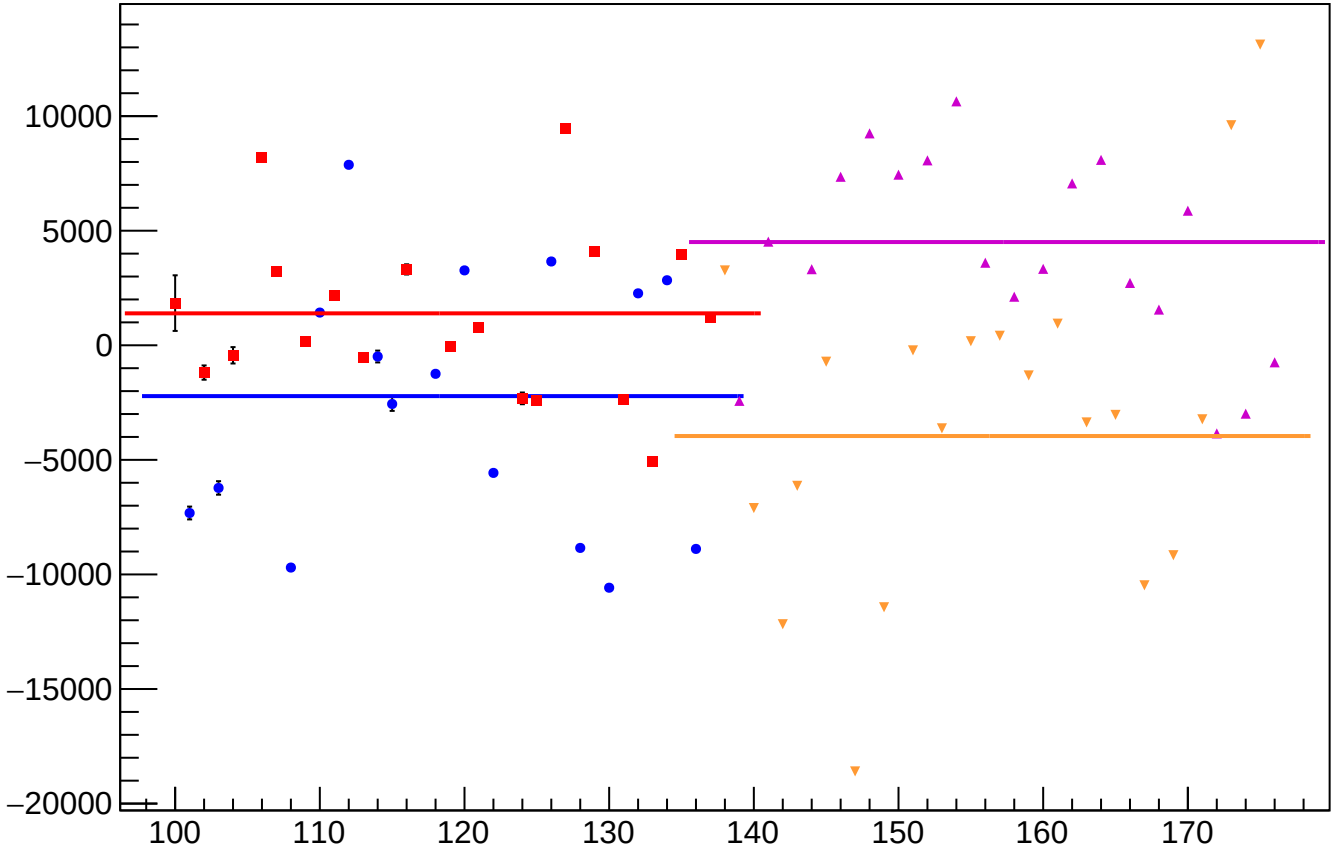
Left In: 114.965+/-0.021 χ^2/NDF:792225.4/18

\+ sign 109.519+/-0.017 χ^2/NDF: 1670827.4/35

All: 109.701+/-0.012 χ^2/NDF: 3552224.4/73

\- sign 109.886+/-0.017 χ^2/NDF: 1881158.6/37

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -3960.158+/-28.399 χ^2/NDF:59020.8/19

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

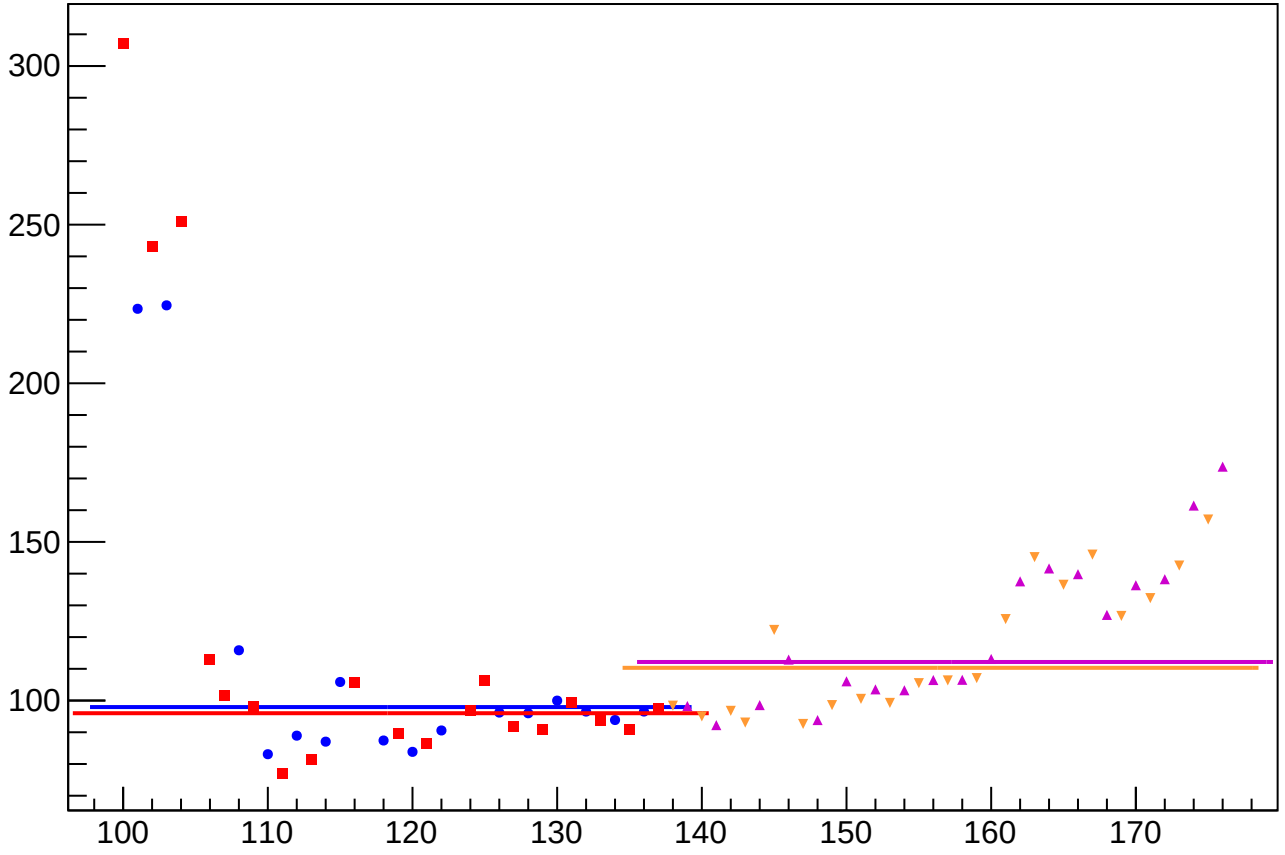
Left In: 4505.061+/-29.185 χ^2/NDF:18651.9/18

+ sign -3357.279+/-22.965 χ^2/NDF: 83363.8/35

All: -23.751+/-16.269 χ^2/NDF: 157739.7/73

- sign 3334.449+/-23.050 χ^2/NDF: 32080.3/37

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 110.313+/-0.020 χ^2/NDF:829891.4/19

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

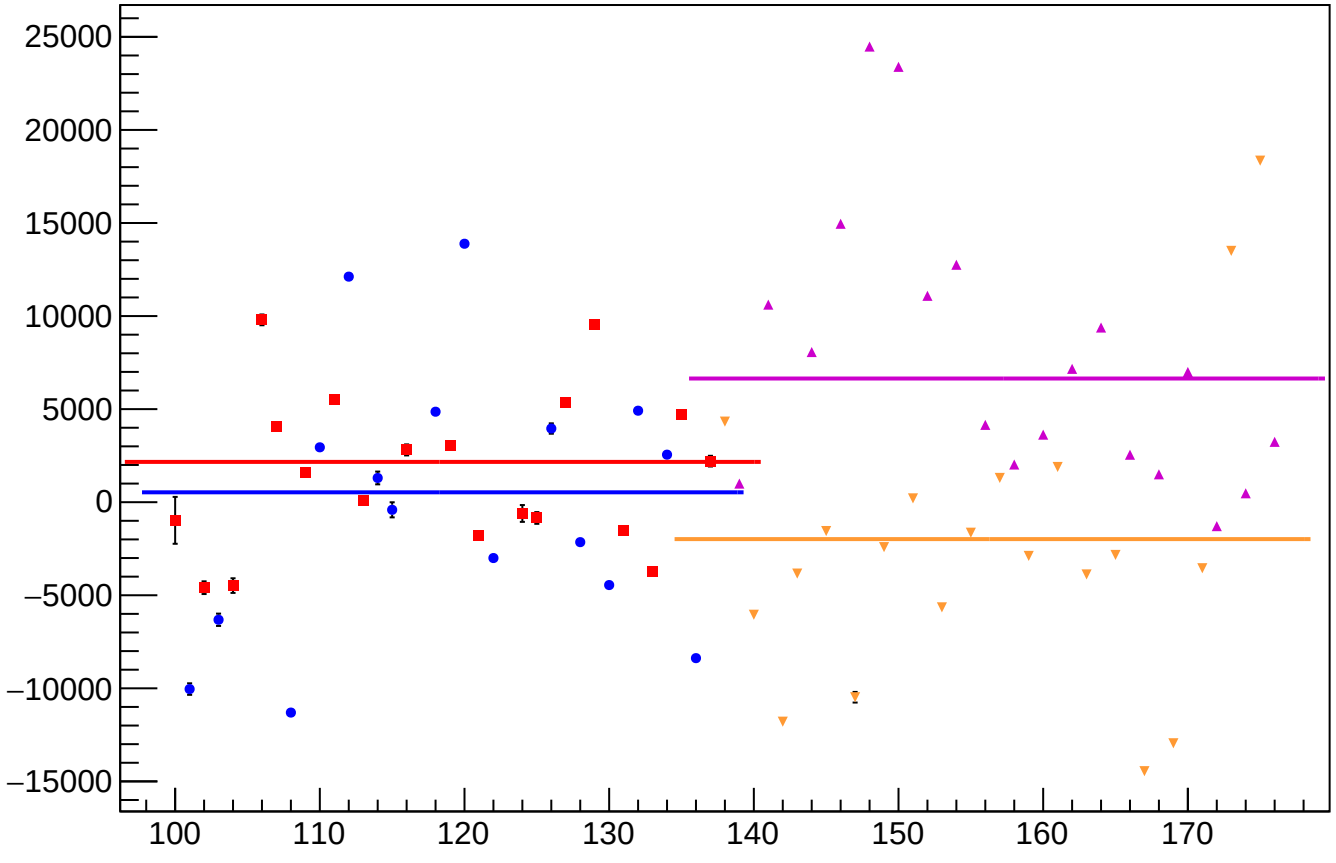
Left In: 112.155+/-0.021 χ^2/NDF:847244.7/18

+ sign 106.033+/-0.016 χ^2/NDF: 1829343.7/35

All: 106.056+/-0.012 χ^2/NDF: 3919283.3/73

- sign 106.079+/-0.016 χ^2/NDF: 2089935.6/37

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -1982.802+/-40.040 χ^2/NDF:31743.1/19

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

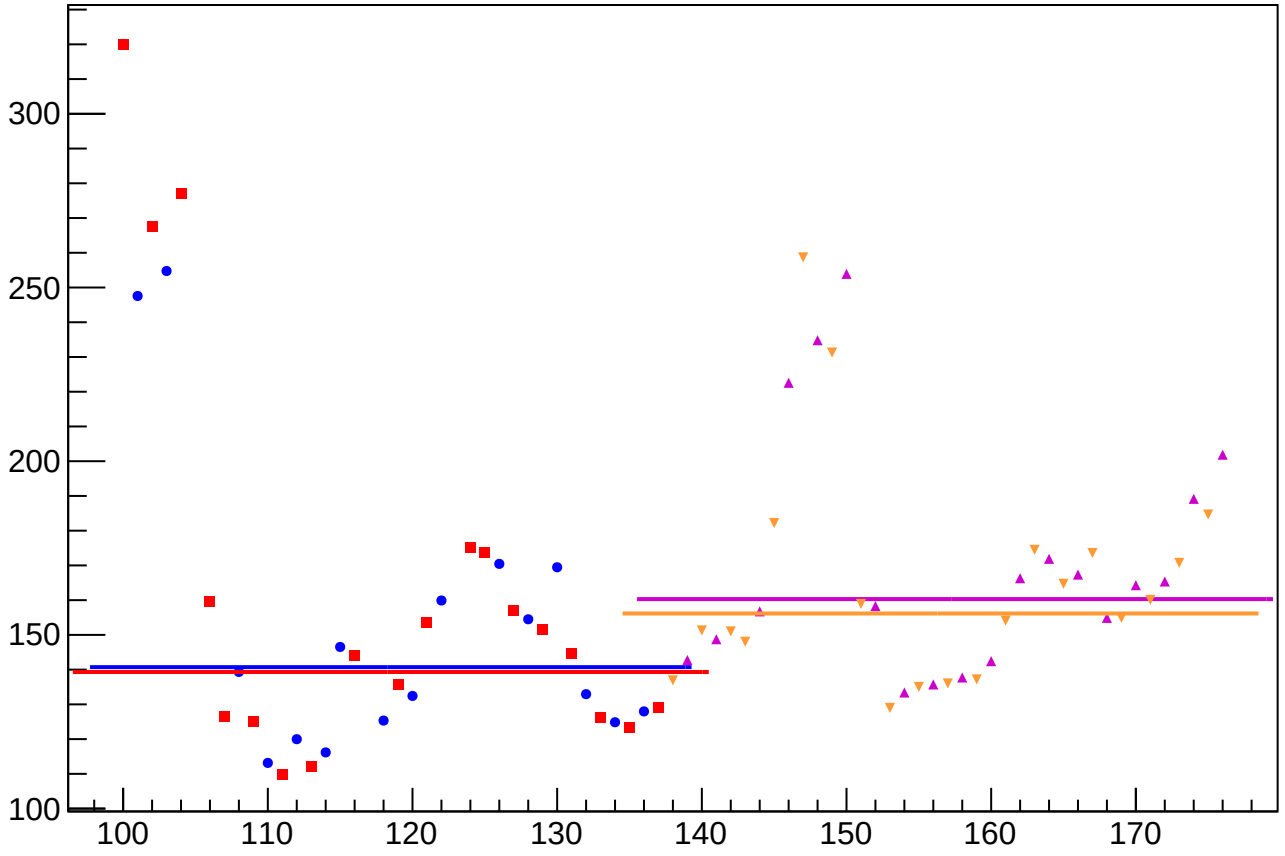
Left In: 6644.641+/-41.654 χ^2/NDF:20173.1/18

\+ sign -1109.172+/-32.341 χ^2/NDF: 51700.3/35

All: 1873.553+/-23.049 χ^2/NDF: 98495.8/73

\- sign 4952.329+/-32.857 χ^2/NDF: 29509.5/37

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 156.162+/-0.028 χ^2/NDF:775320.9/19

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

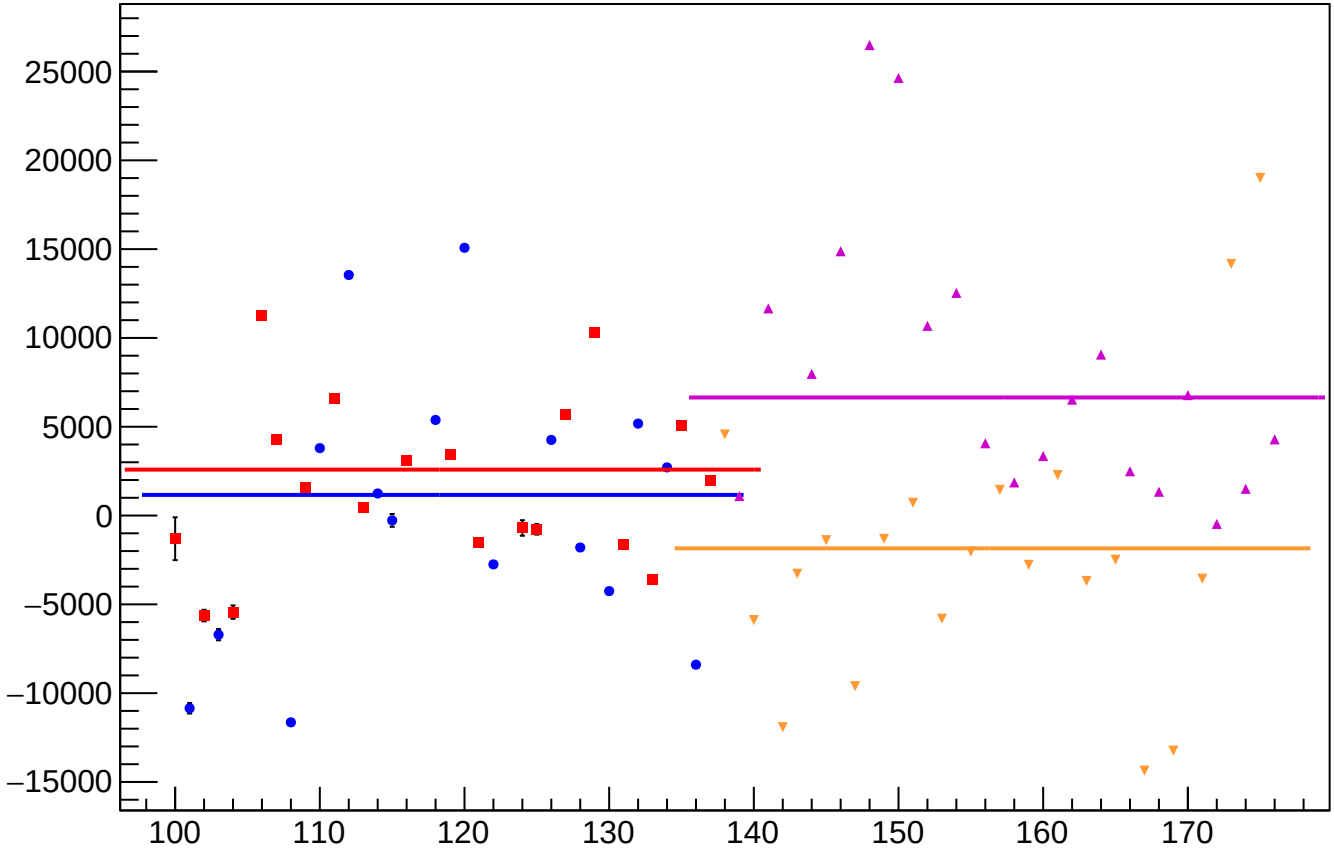
Left In: 160.307+/-0.029 χ^2/NDF:884372.1/18

\+ sign 150.793+/-0.023 χ^2/NDF: 1554411.3/35

All: 151.573+/-0.016 χ^2/NDF: 3435322.3/73

\- sign 152.378+/-0.023 χ^2/NDF: 1878548.5/37

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1845.483+/-35.582 χ^2/NDF:39795.0/19

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

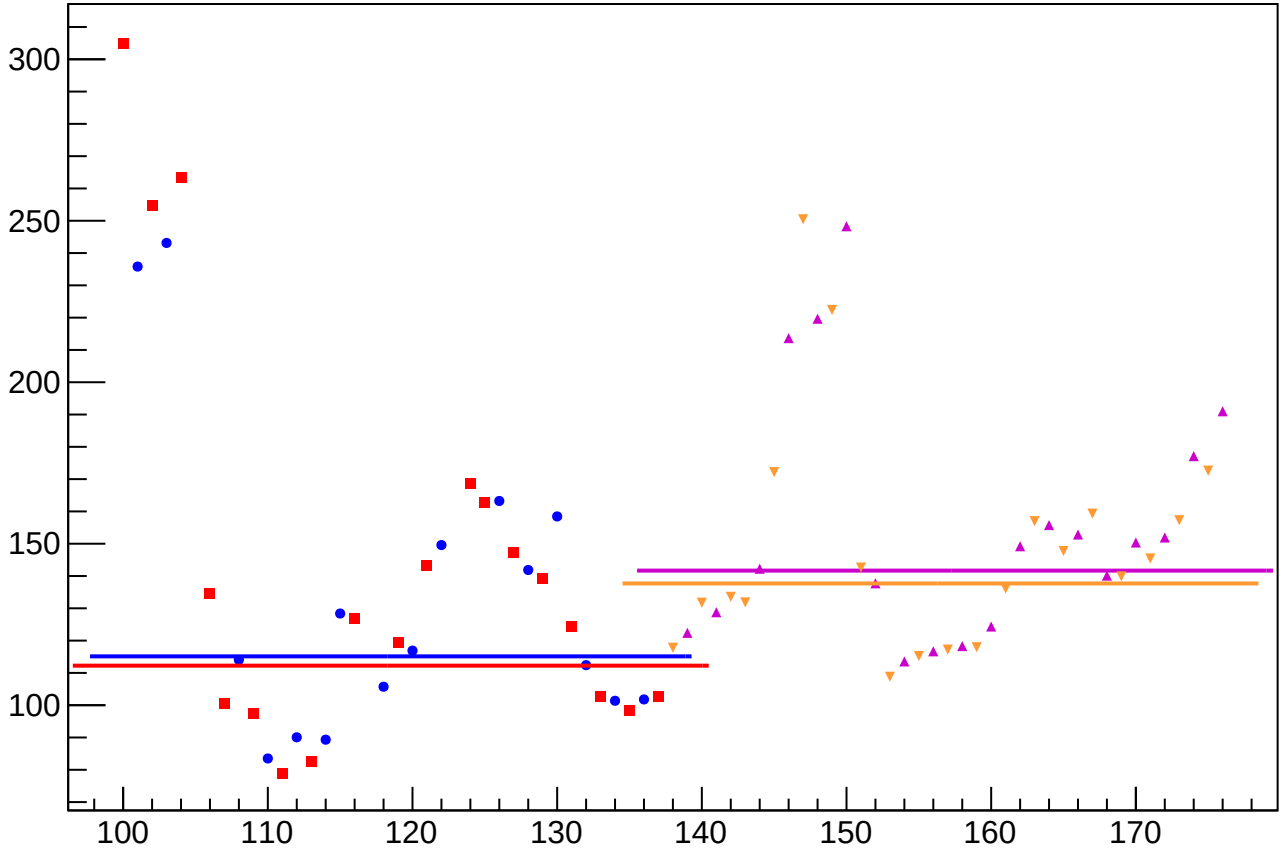
Left In: 6647.534+/-37.157 χ^2/NDF:25194.8/18

\+ sign -717.107+/-28.129 χ^2/NDF: 73230.6/35

All: 2092.732+/-20.005 χ^2/NDF: 131654.3/73

\- sign 4968.560+/-28.457 χ^2/NDF: 38232.7/37

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 137.693+/-0.025 χ^2/NDF:1120981.7/19

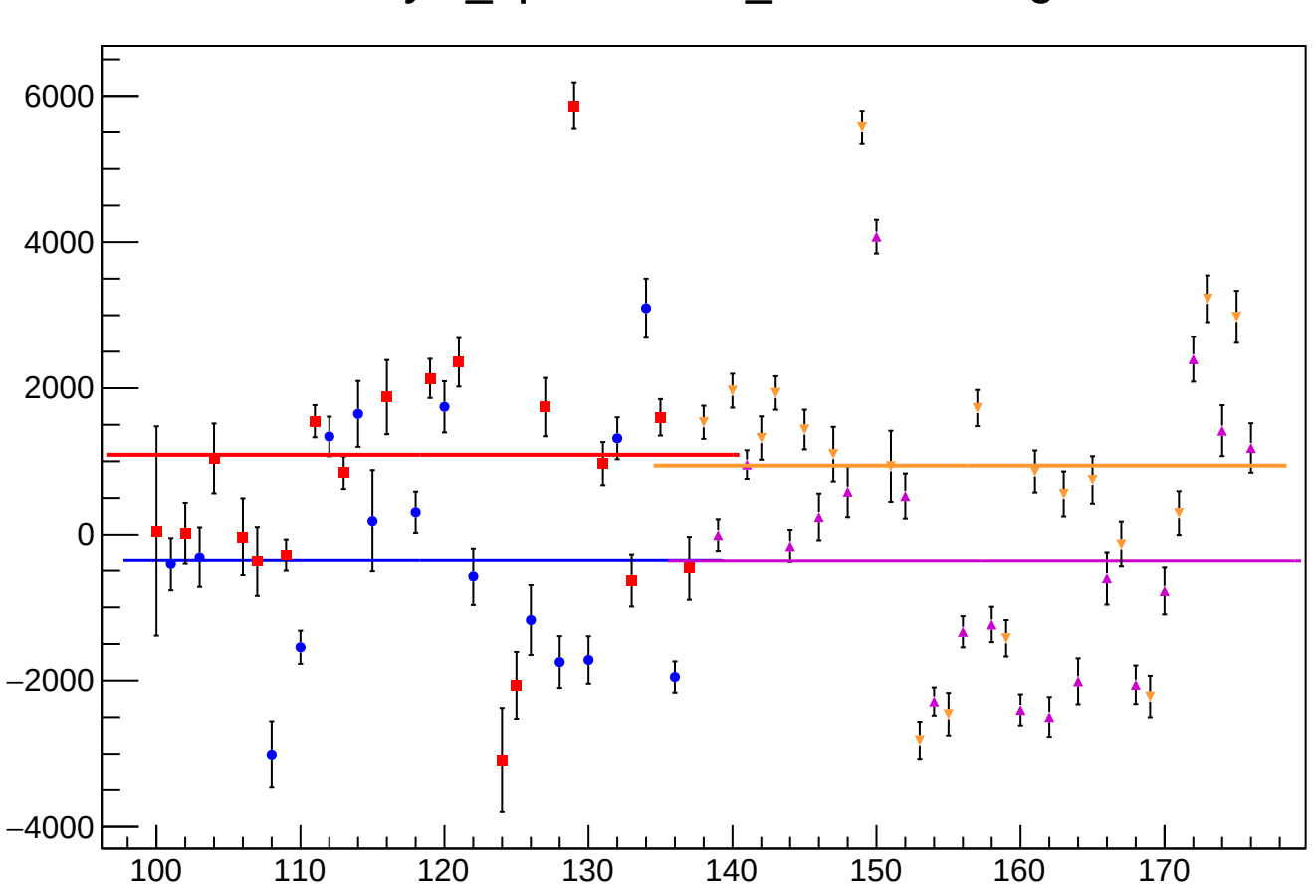
Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 141.675+/-0.026 χ^2/NDF:1253482.1/18

+ sign 129.229+/-0.020 χ^2/NDF: 2535715.4/35

All: 129.365+/-0.014 χ^2/NDF: 5636316.2/73

- sign 129.505+/-0.020 χ^2/NDF: 3100505.4/37



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 941.403+/-62.388 χ^2/NDF:1148.2/19

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

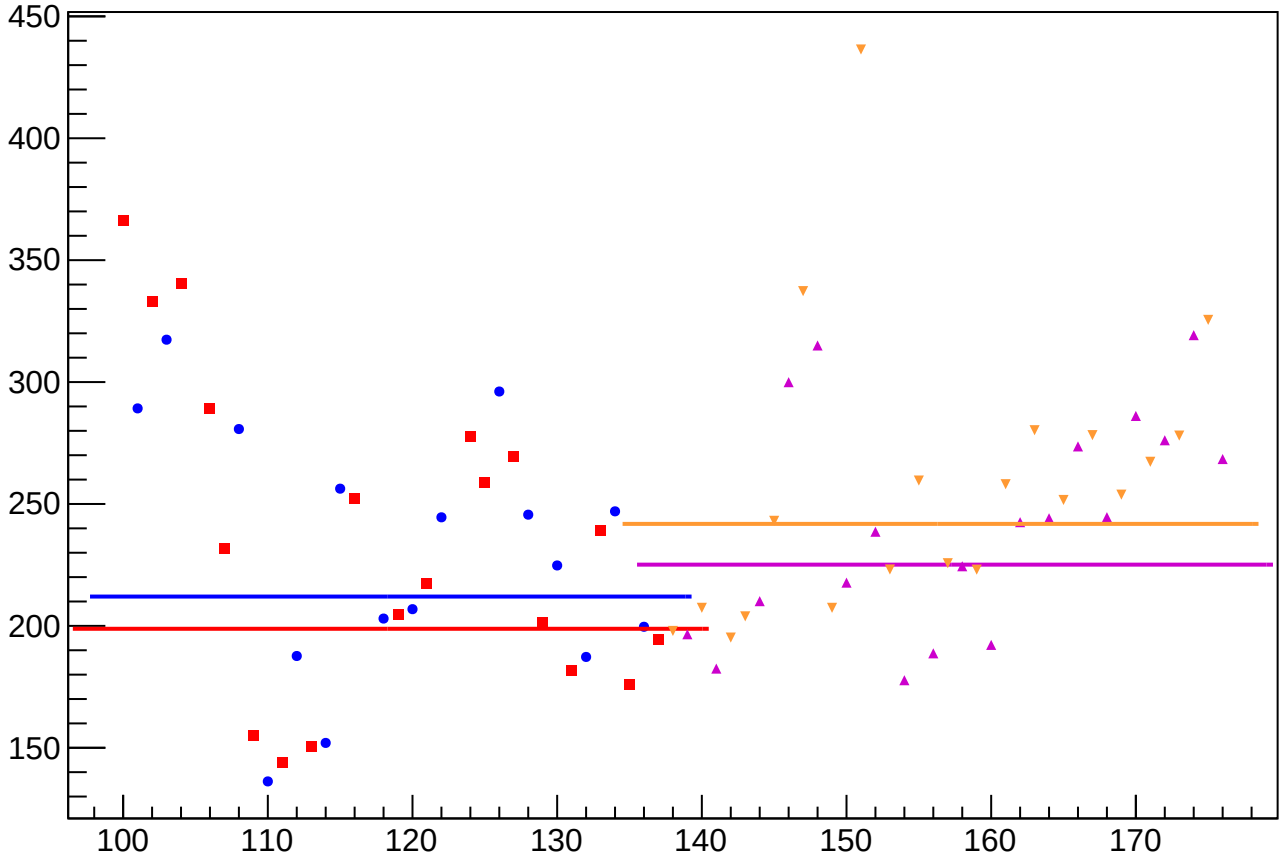
Left In: -359.990+/-58.998 χ^2/NDF:926.5/18

+ sign 467.779+/-49.681 χ^2/NDF: 1667.6/35

All: 315.449+/-34.029 χ^2/NDF: 3284.0/73

- sign 180.820+/-46.706 χ^2/NDF: 1598.8/37

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 241.833+/-0.044 χ^2/NDF:981244.2/19

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

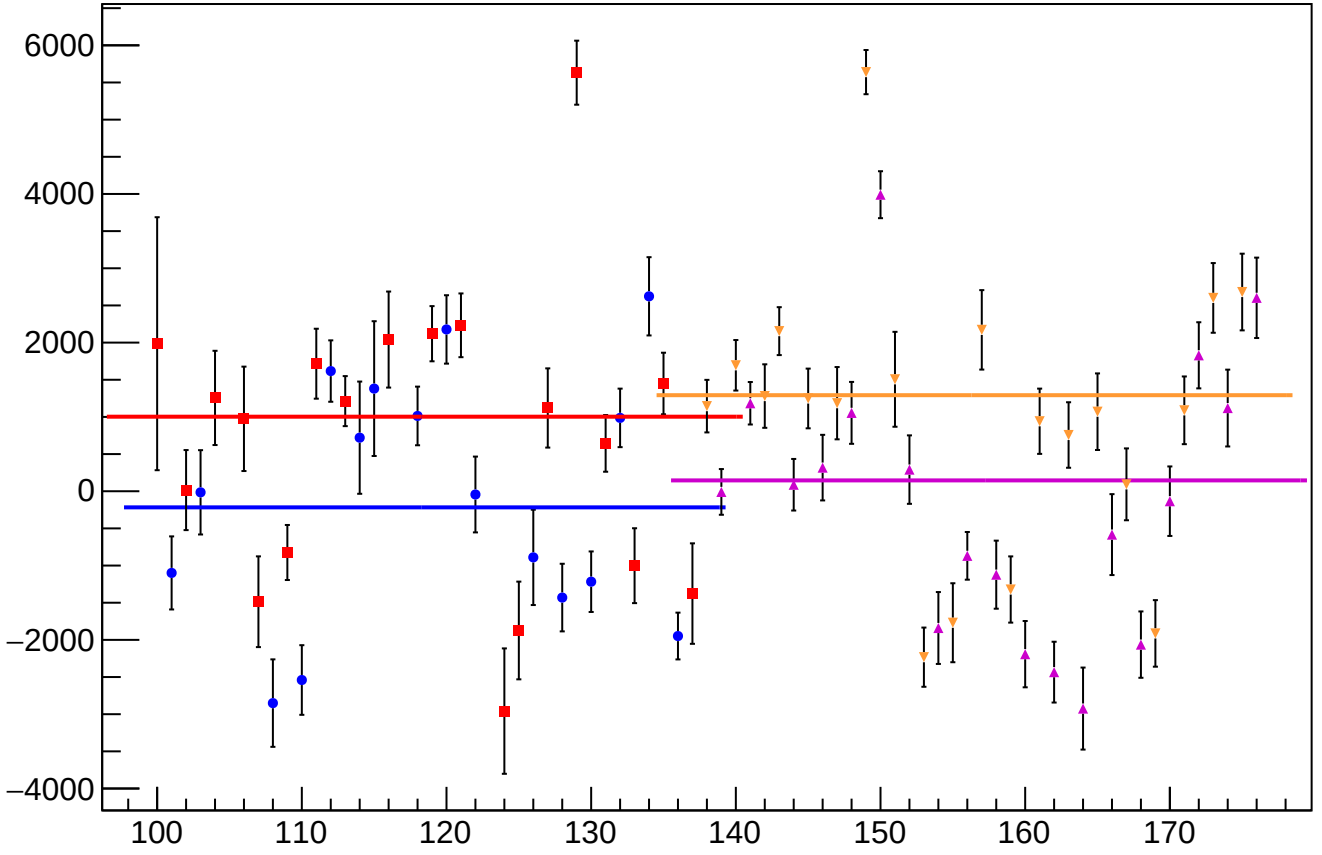
Left In: 225.117+/-0.042 χ^2/NDF:988760.4/18

+ sign 230.928+/-0.035 χ^2/NDF: 1838606.5/35

All: 222.630+/-0.024 χ^2/NDF: 4055843.6/73

- sign 215.297+/-0.033 χ^2/NDF: 2112137.1/37

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1292.369+/-94.991 χ^2/NDF:446.3/19

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

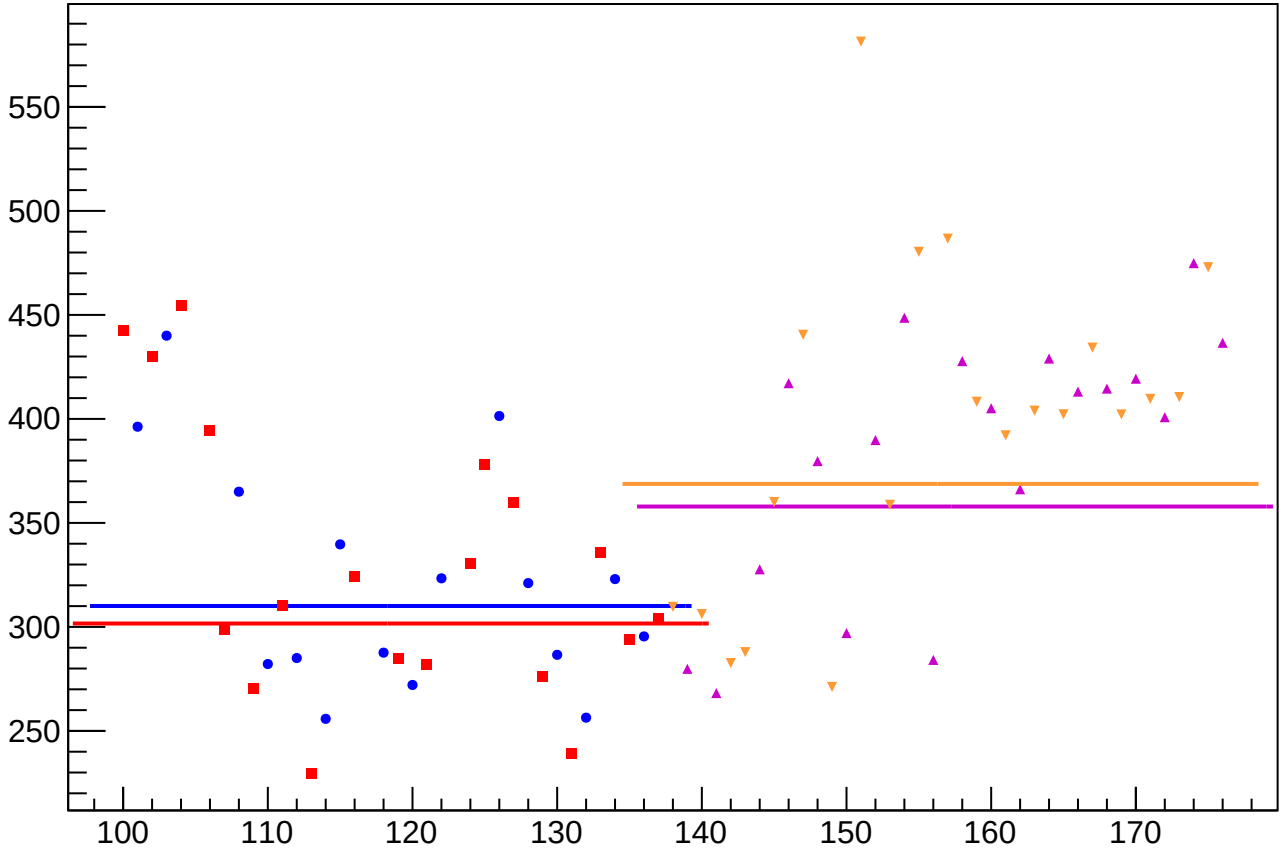
Left In: 145.844+/-93.257 χ^2/NDF:364.6/18

+ sign 698.186+/-73.967 χ^2/NDF: 737.8/35

All: 592.628+/-51.576 χ^2/NDF: 1394.9/73

- sign 492.735+/-71.954 χ^2/NDF: 653.1/37

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 368.750+/-0.067 χ^2/NDF:1203299.8/19

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

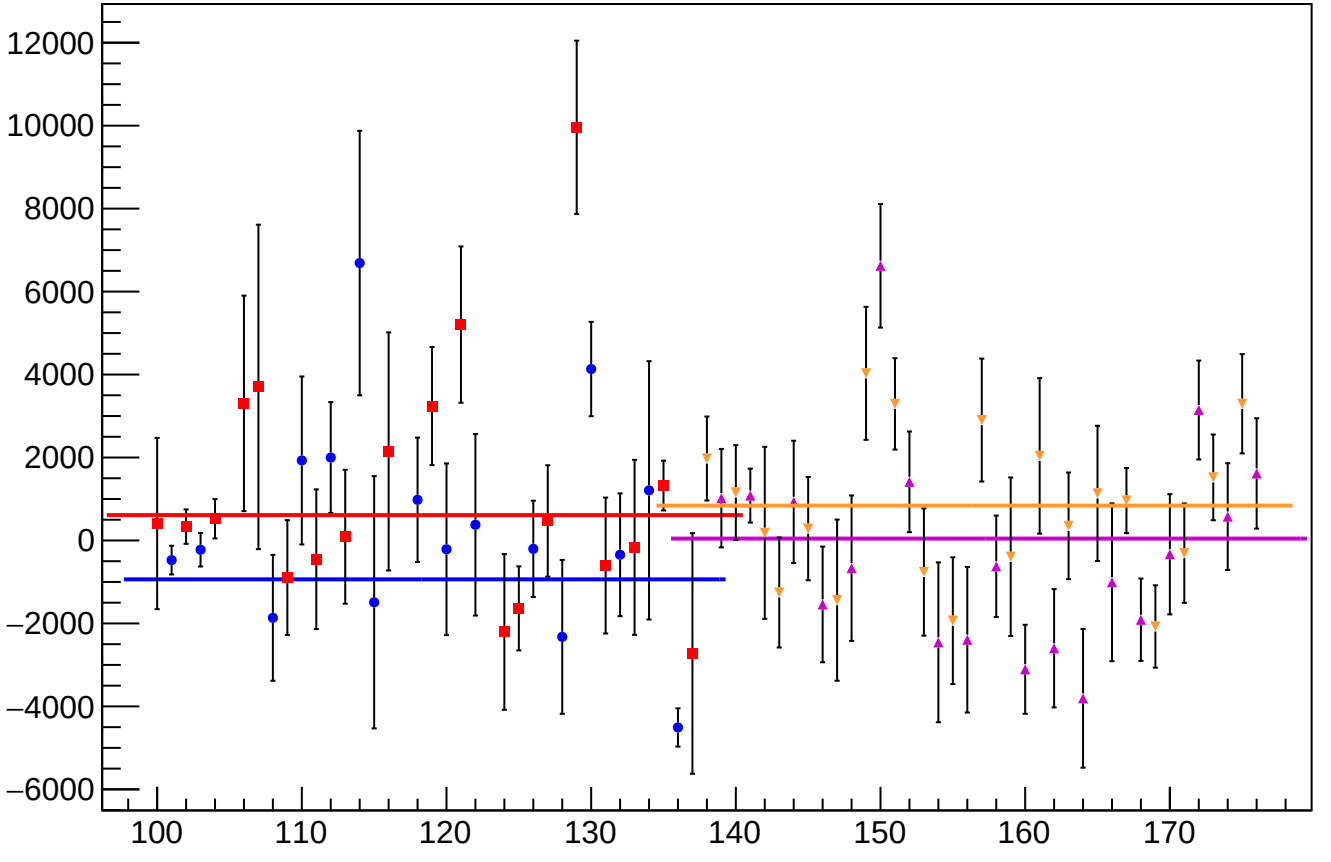
Left In: 357.879+/-0.066 χ^2/NDF:996342.9/18

+ sign 345.646+/-0.052 χ^2/NDF: 1827127.0/35

All: 340.237+/-0.036 χ^2/NDF: 3658540.8/73

- sign 335.119+/-0.051 χ^2/NDF: 1810599.0/37

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 839.919+/-283.018 χ^2/NDF:35.9/19

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

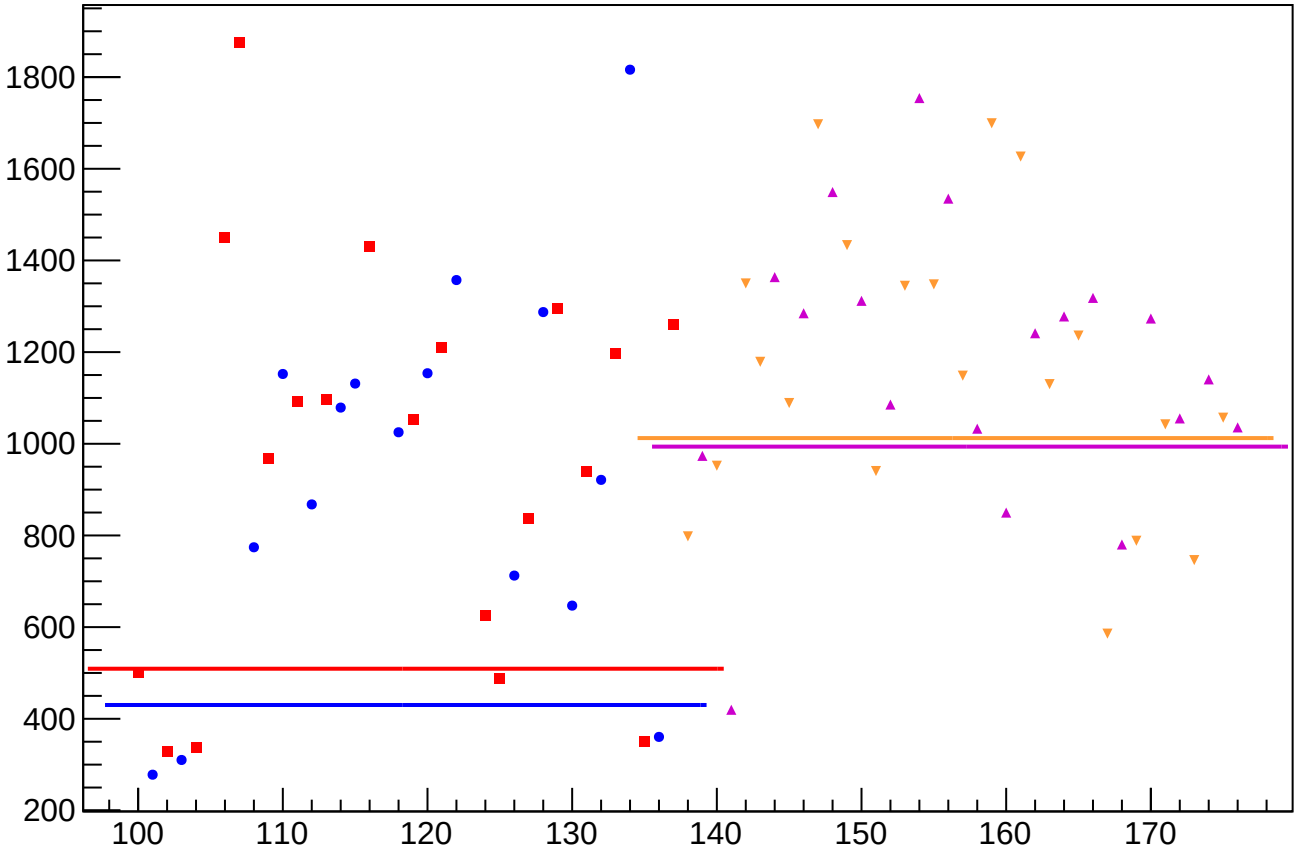
Left In: 45.411+/-287.172 χ^2/NDF:59.7/18

+ sign -326.608+/-165.872 χ^2/NDF: 163.0/35

All: -1.006+/-122.289 χ^2/NDF: 277.6/73

- sign 386.711+/-181.003 χ^2/NDF: 106.1/37

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1012.429+/-0.200 χ^2/NDF:2146535.7/19

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

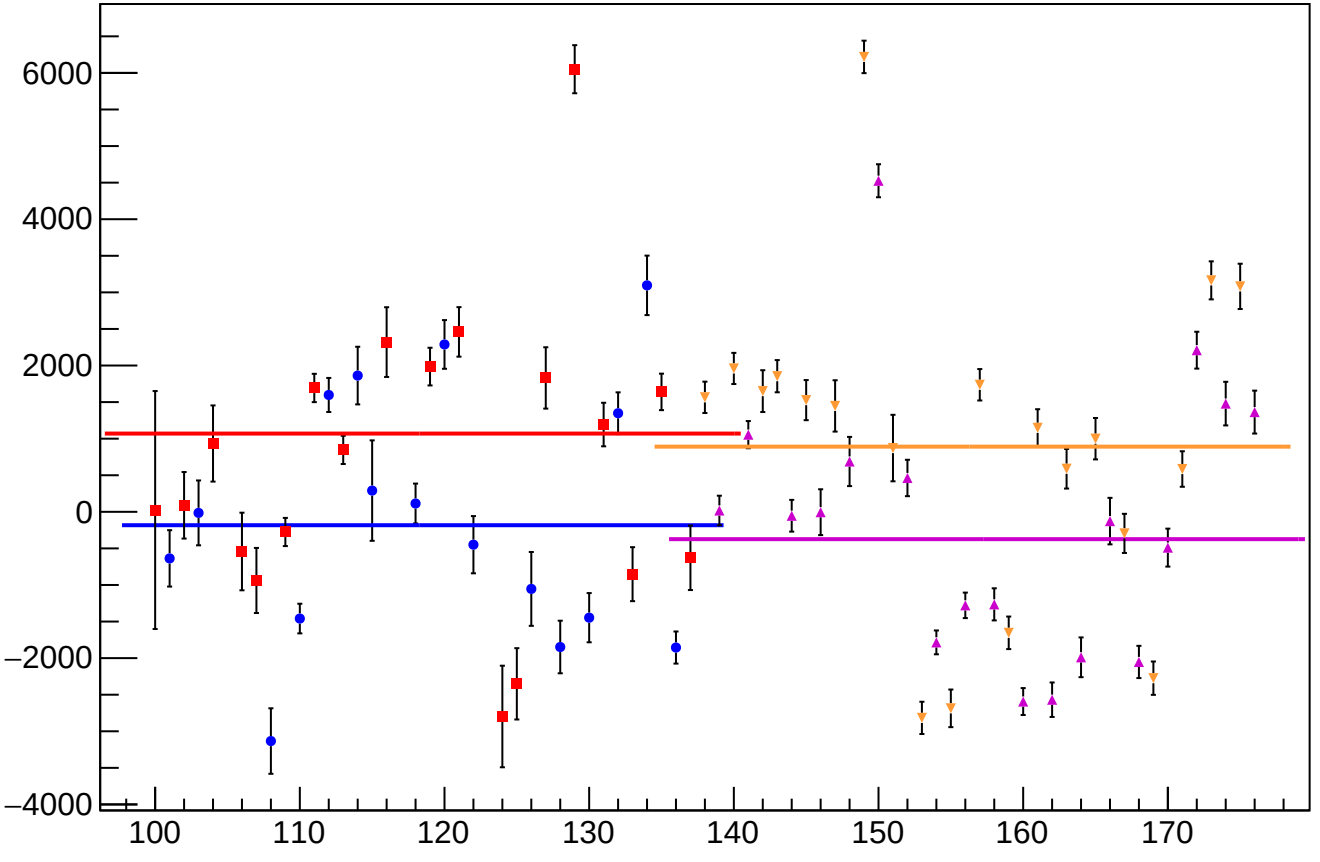
Left In: 993.808+/-0.203 χ^2/NDF:2993195.7/18

+ sign 630.132+/-0.117 χ^2/NDF: 11226949.4/35

All: 662.820+/-0.086 χ^2/NDF: 21496016.7/73

- sign 701.742+/-0.128 χ^2/NDF: 10098915.3/37

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 891.148+/-56.093 χ^2/NDF:1611.0/19

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

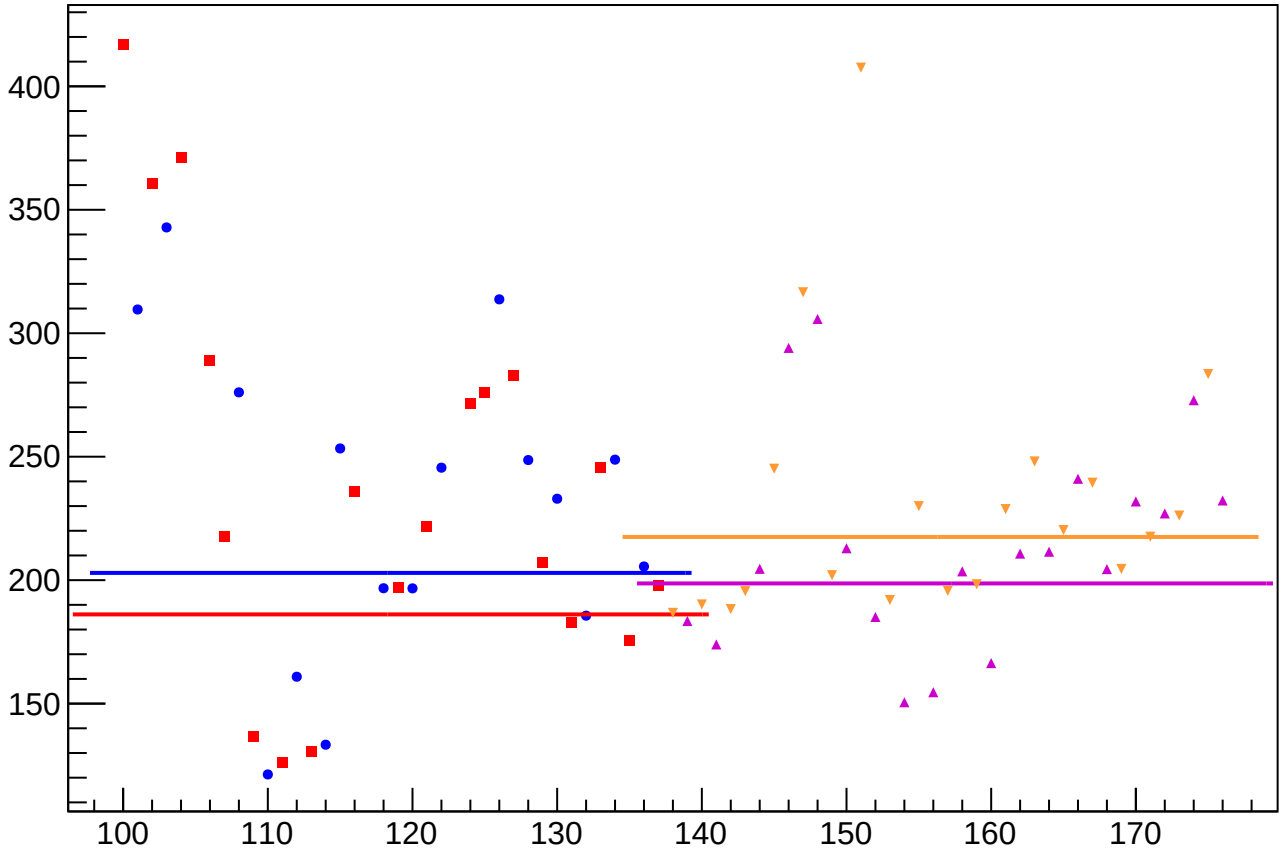
Left In: -373.550+/-52.283 χ^2/NDF:1182.9/18

+ sign 536.299+/-45.902 χ^2/NDF: 2149.8/35

All: 309.680+/-31.193 χ^2/NDF: 4128.3/73

- sign 115.246+/-42.518 χ^2/NDF: 1933.2/37

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 217.496+/-0.040 χ^2/NDF:864025.5/19

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

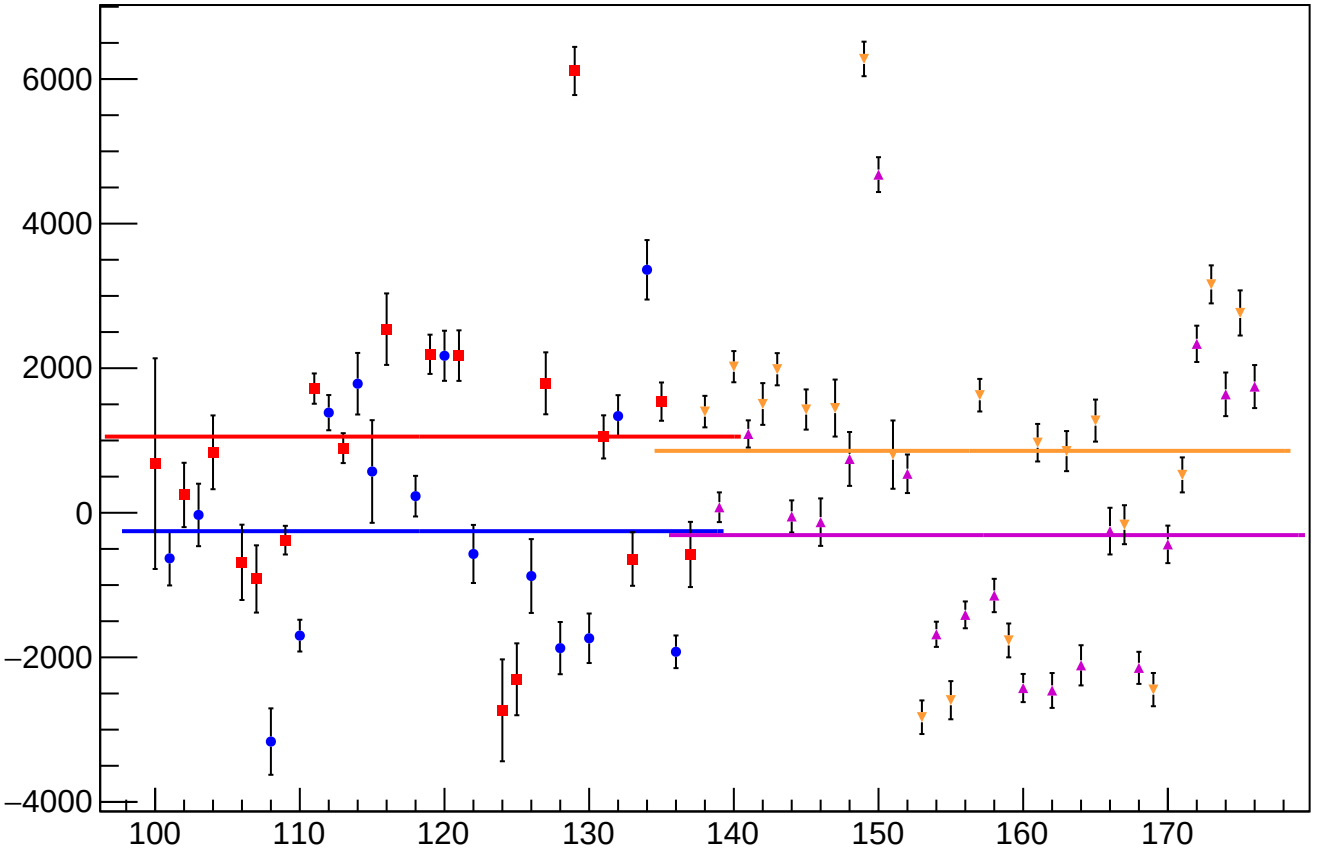
Left In: 198.671+/-0.037 χ^2/NDF:1069909.3/18

+ sign 212.688+/-0.032 χ^2/NDF: 1980369.0/35

All: 202.858+/-0.022 χ^2/NDF: 4741350.3/73

- sign 194.423+/-0.030 χ^2/NDF: 2590552.6/37

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 856.647+/-57.644 χ^2/NDF:1485.7/19

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

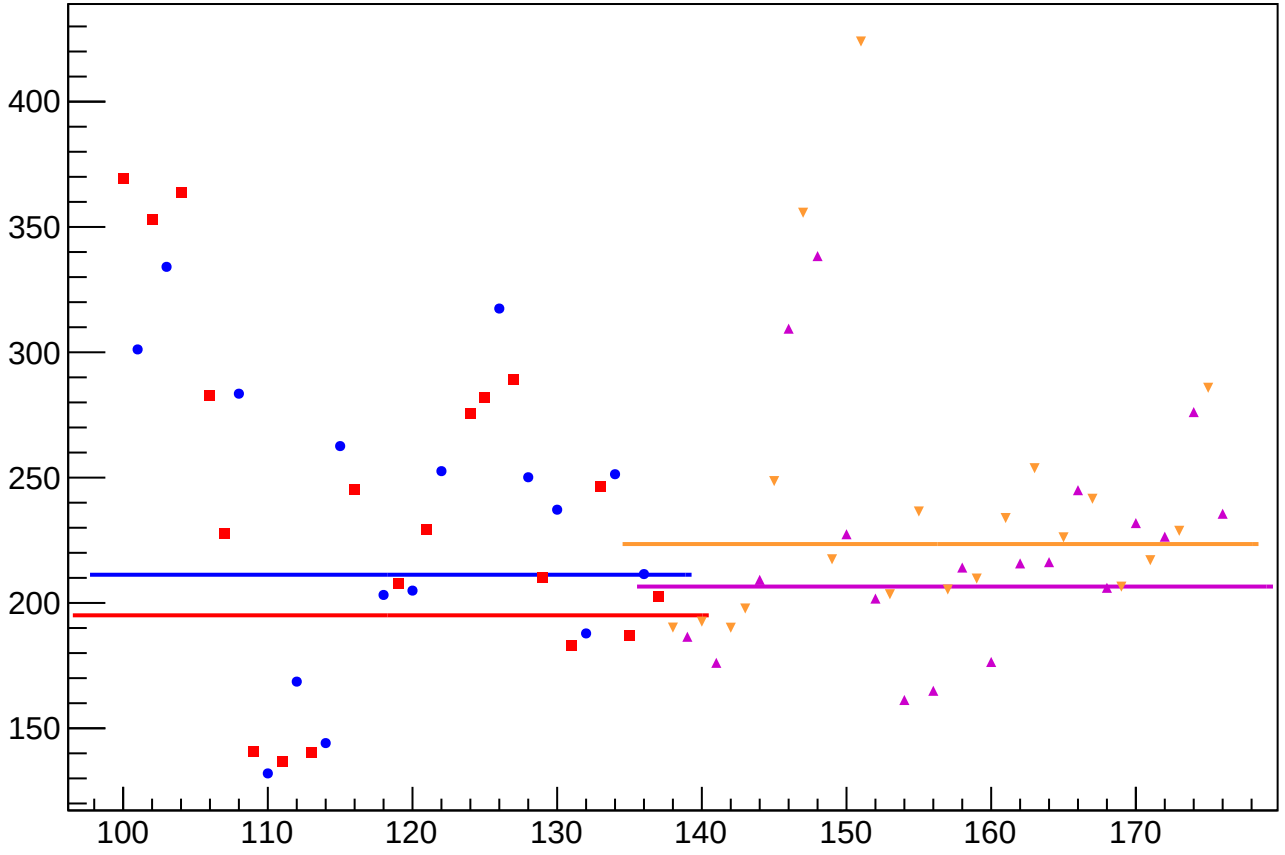
Left In: -309.014+/-54.232 χ^2/NDF:1125.6/18

+ sign 492.087+/-47.250 χ^2/NDF: 2016.9/35

All: 309.951+/-32.255 χ^2/NDF: 3861.1/73

- sign 151.012+/-44.139 χ^2/NDF: 1816.4/37

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 223.498+/-0.041 χ^2/NDF:912688.5/19

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

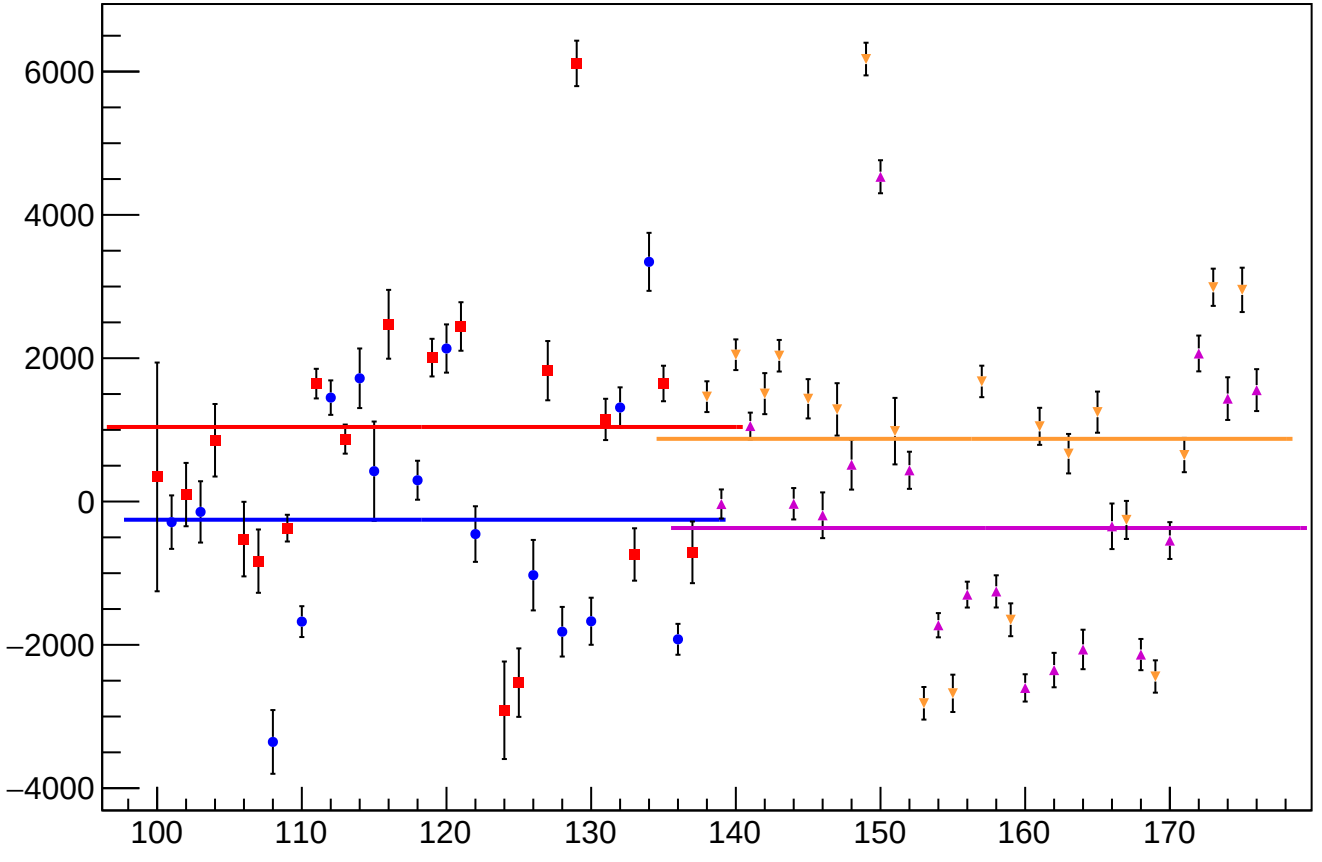
Left In: 206.537+/-0.038 χ^2/NDF:1009699.2/18

+ sign 219.481+/-0.033 χ^2/NDF: 1826661.2/35

All: 210.500+/-0.023 χ^2/NDF: 4286771.0/73

- sign 202.663+/-0.031 χ^2/NDF: 2324810.9/37

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 874.797+/-56.646 χ^2/NDF:1549.9/19

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

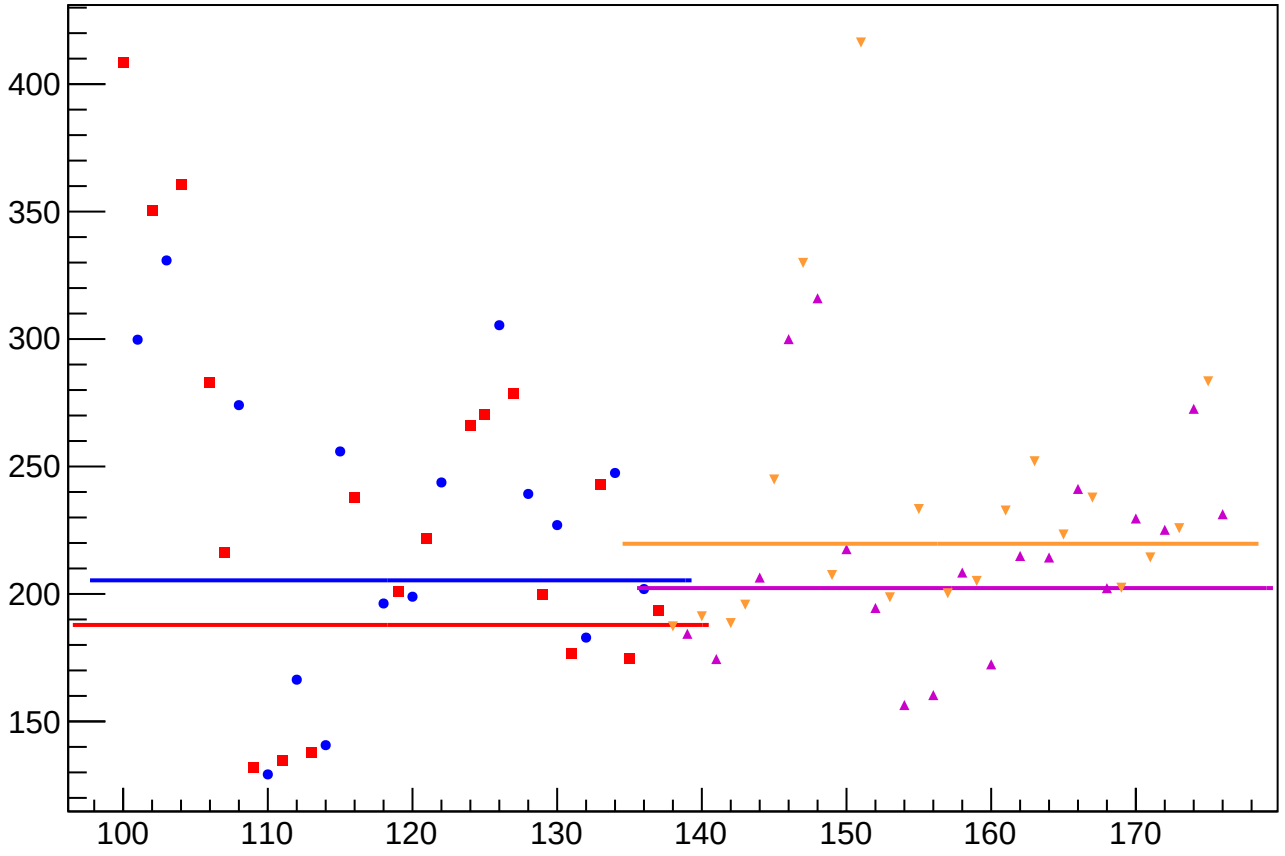
Left In: -369.506+/-53.134 χ^2/NDF:1122.5/18

+ sign 499.221+/-46.273 χ^2/NDF: 2114.1/35

All: 293.503+/-31.512 χ^2/NDF: 4049.1/73

- sign 115.586+/-43.033 χ^2/NDF: 1898.1/37

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 219.694+/-0.040 χ^2/NDF:878678.0/19

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

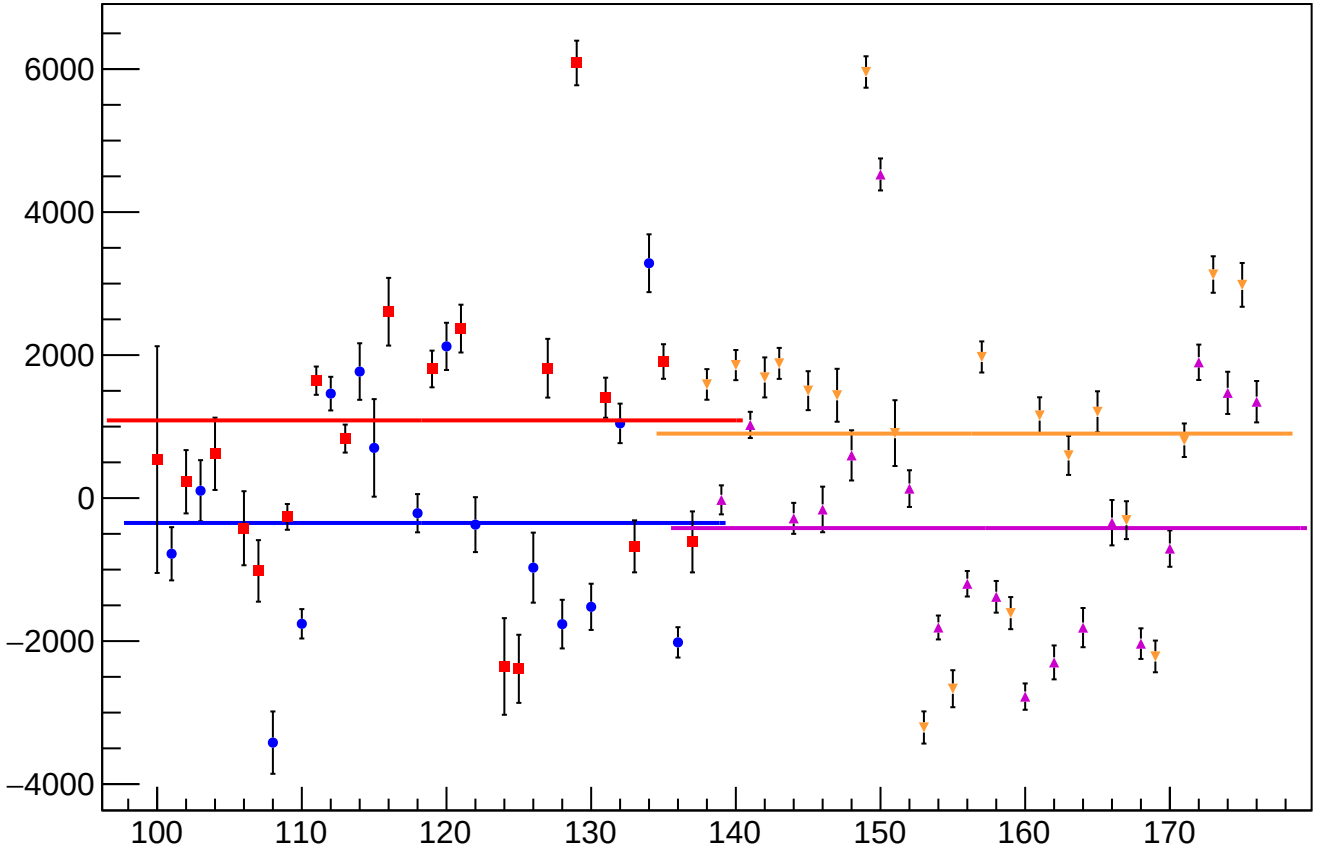
Left In: 202.308+/-0.038 χ^2/NDF:988106.7/18

+ sign 214.919+/-0.033 χ^2/NDF: 1798794.7/35

All: 205.488+/-0.022 χ^2/NDF: 4329814.6/73

- sign 197.333+/-0.030 χ^2/NDF: 2376116.0/37

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 902.062+/-55.907 χ^2/NDF:1612.4/19

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

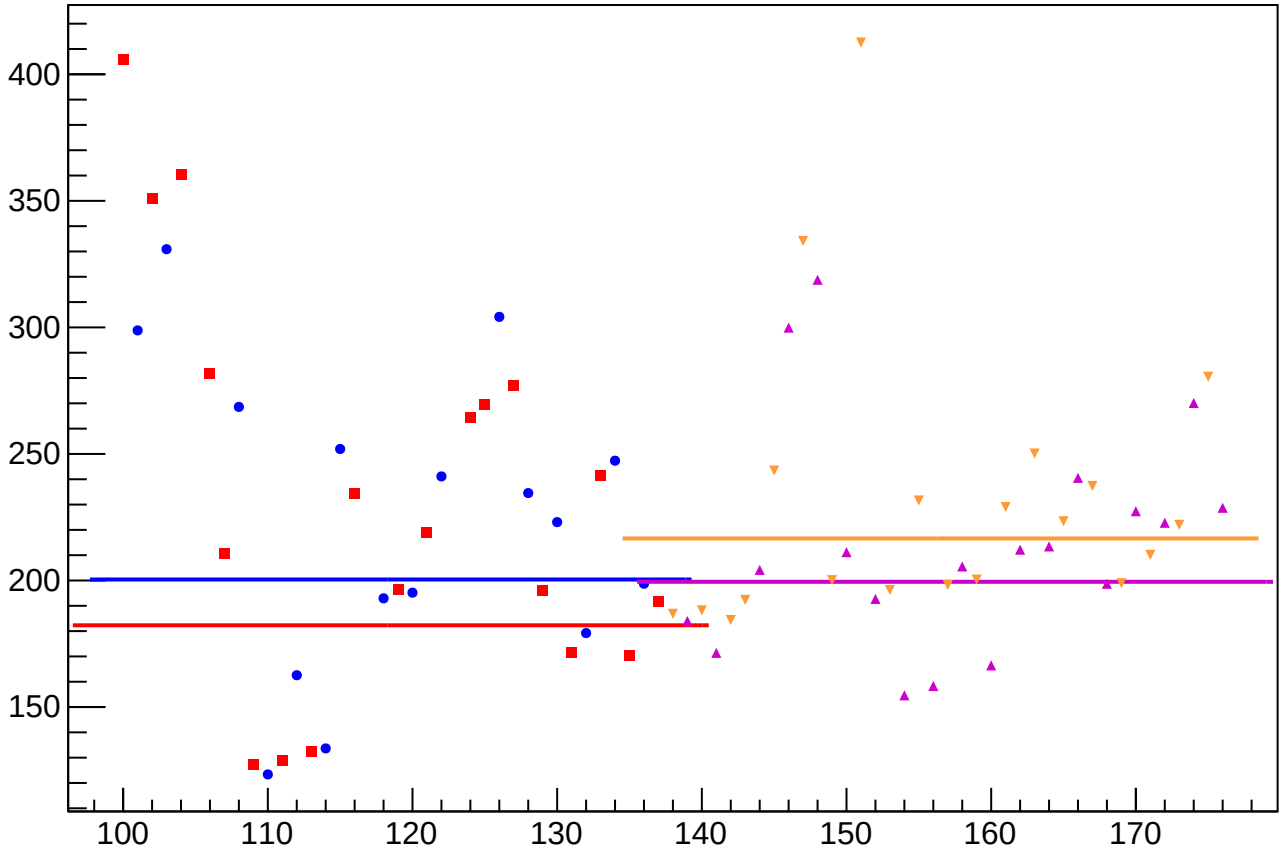
Left In: -419.297+/-52.442 χ^2/NDF:1152.3/18

+ sign 481.971+/-45.552 χ^2/NDF: 2226.1/35

All: 280.655+/-30.995 χ^2/NDF: 4230.2/73

- sign 107.092+/-42.295 χ^2/NDF: 1967.7/37

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 216.612+/-0.040 χ^2/NDF:919648.0/19

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

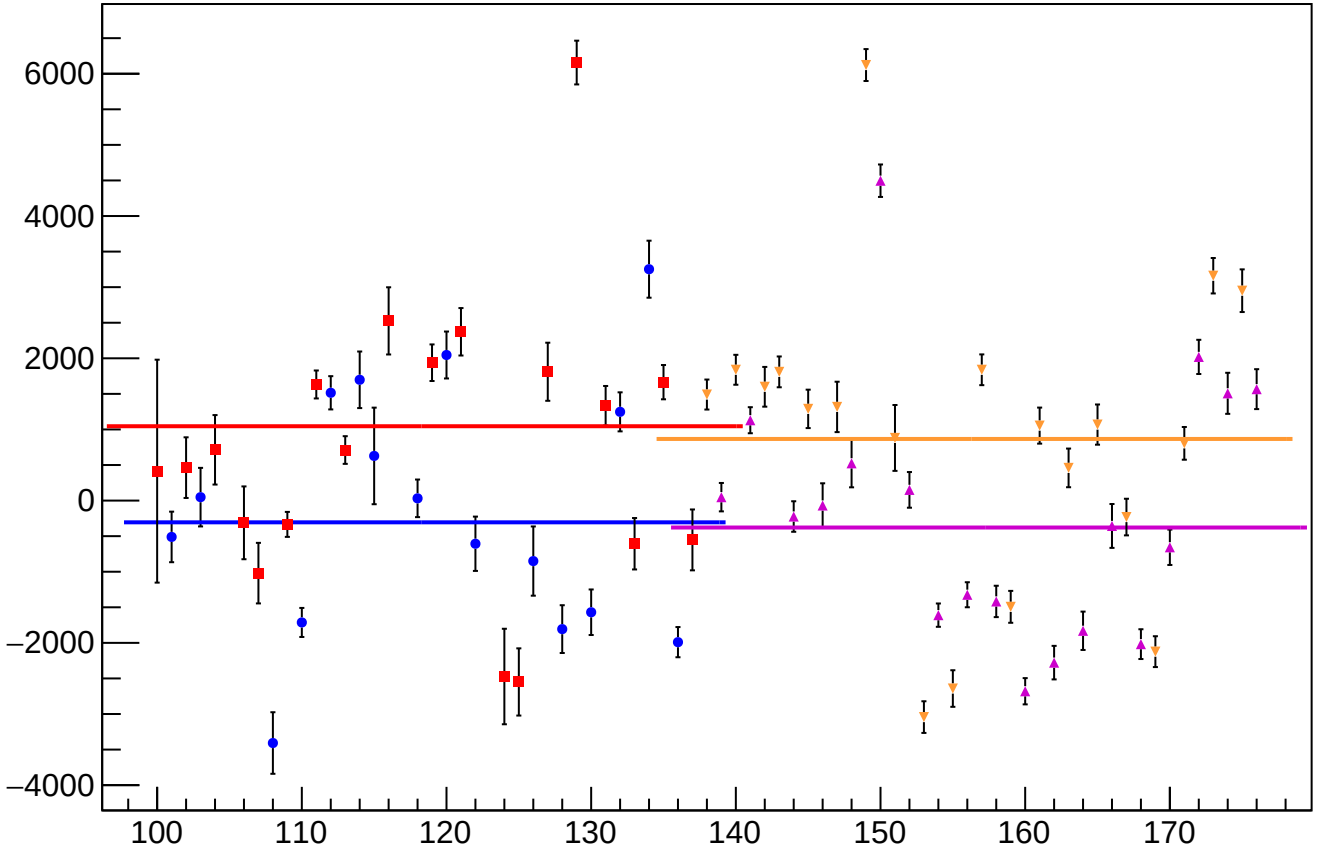
Left In: 199.486+/-0.037 χ^2/NDF:1033521.4/18

+ sign 211.162+/-0.032 χ^2/NDF: 1935191.7/35

All: 201.666+/-0.022 χ^2/NDF: 4652826.7/73

- sign 193.479+/-0.030 χ^2/NDF: 2555780.9/37

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 866.379+/-55.364 χ^2/NDF:1580.0/19

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

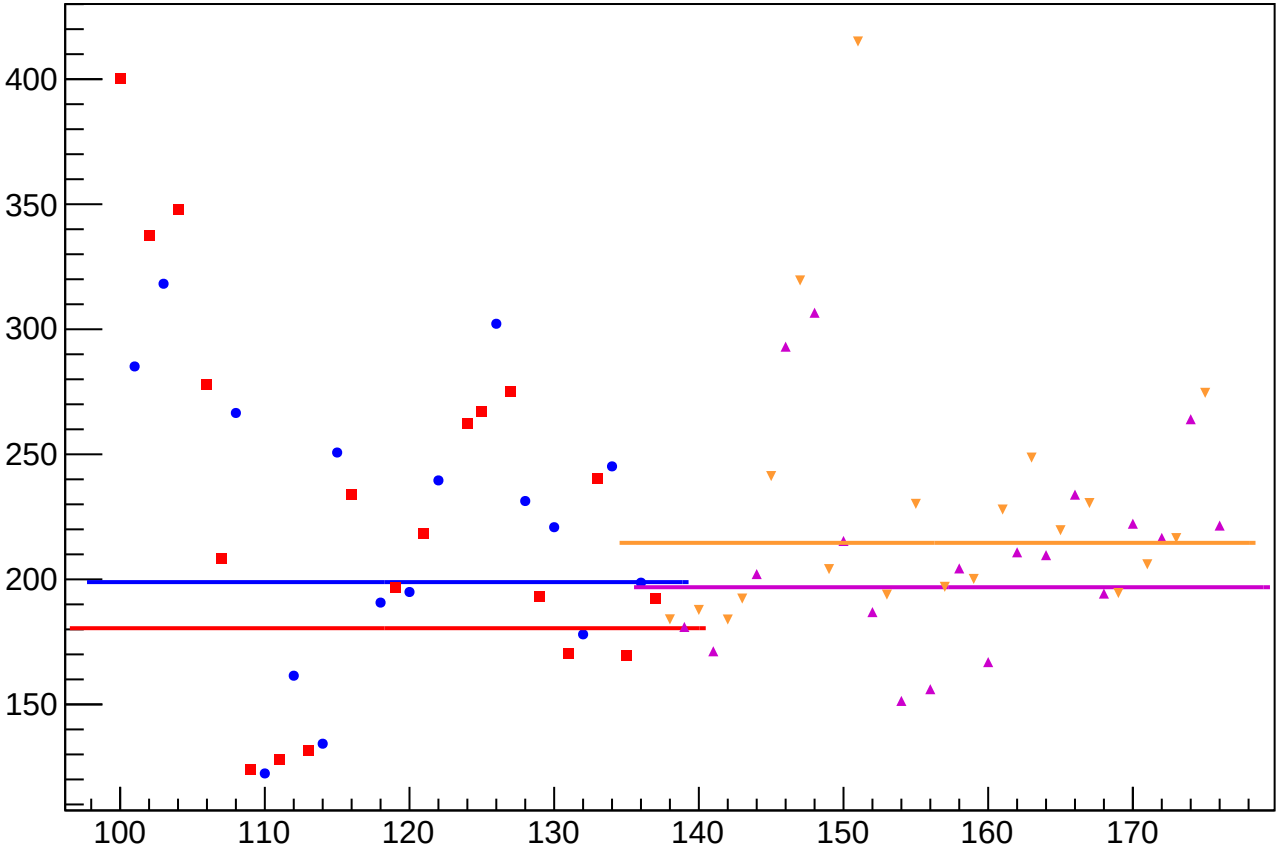
Left In: -378.612+/-51.739 χ^2/NDF:1151.8/18

+ sign 472.843+/-45.122 χ^2/NDF: 2182.3/35

All: 281.156+/-30.656 χ^2/NDF: 4183.3/73

- sign 116.821+/-41.778 χ^2/NDF: 1967.5/37

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 214.604+/-0.039 χ^2/NDF:885900.5/19

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

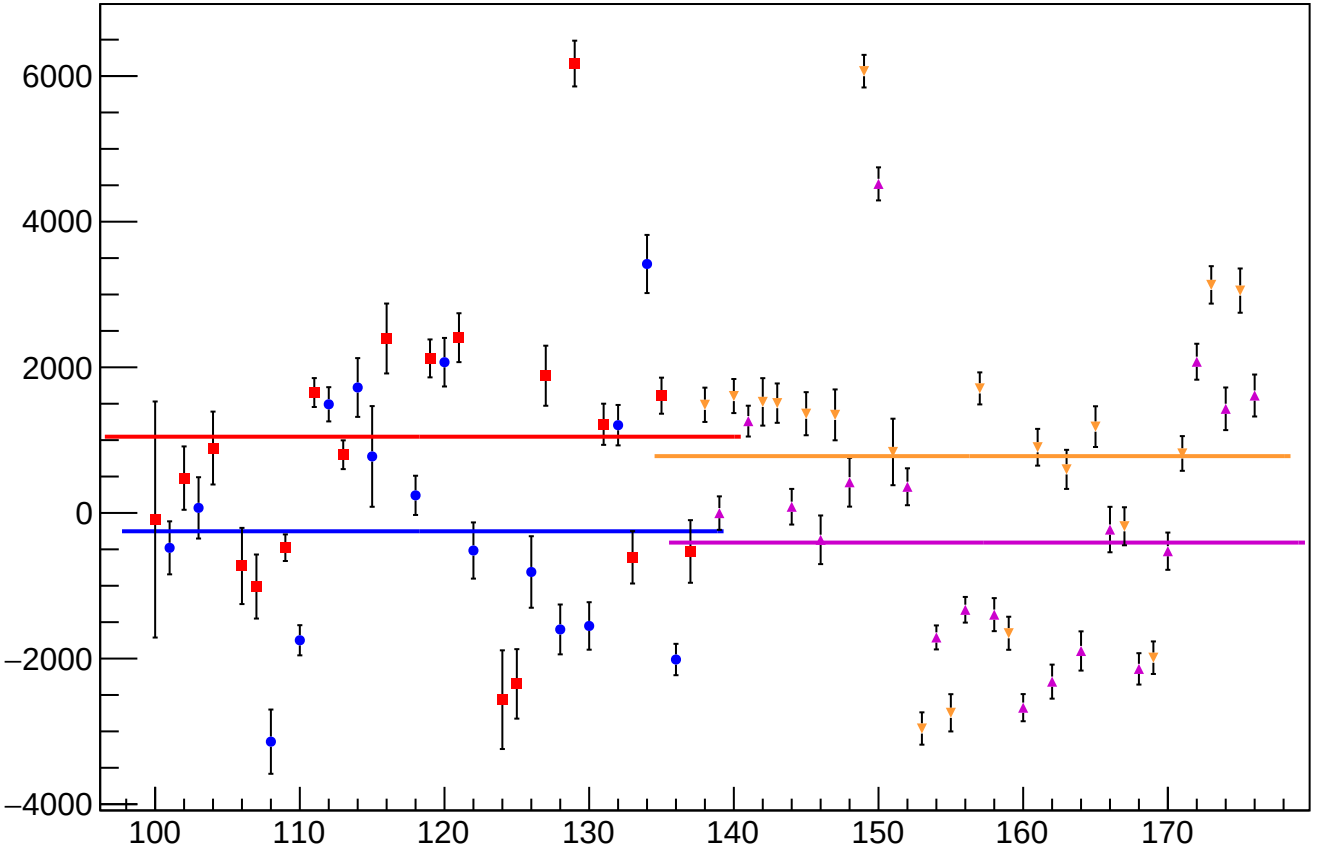
Left In: 196.858+/-0.037 χ^2/NDF:985805.4/18

+ sign 209.332+/-0.032 χ^2/NDF: 1852679.3/35

All: 199.546+/-0.022 χ^2/NDF: 4517443.0/73

- sign 191.156+/-0.030 χ^2/NDF: 2490042.1/37

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 780.193+/-57.739 χ^2/NDF:1513.9/19

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

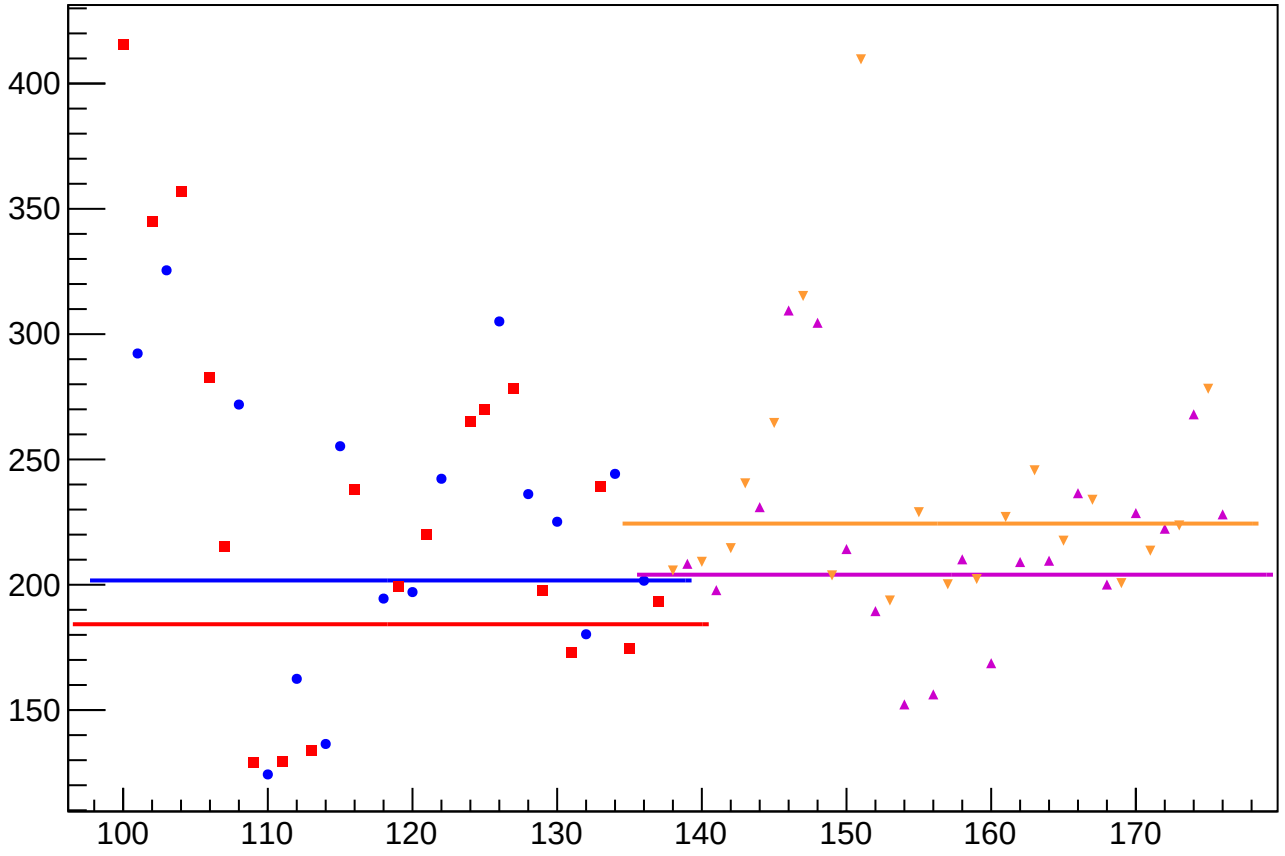
Left In: -407.120+/-53.664 χ^2/NDF:1164.4/18

+ sign 420.720+/-46.610 χ^2/NDF: 2066.4/35

All: 253.362+/-31.632 χ^2/NDF: 4062.8/73

- sign 110.476+/-43.068 χ^2/NDF: 1972.5/37

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 224.408+/-0.041 χ^2/NDF:736183.5/19

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

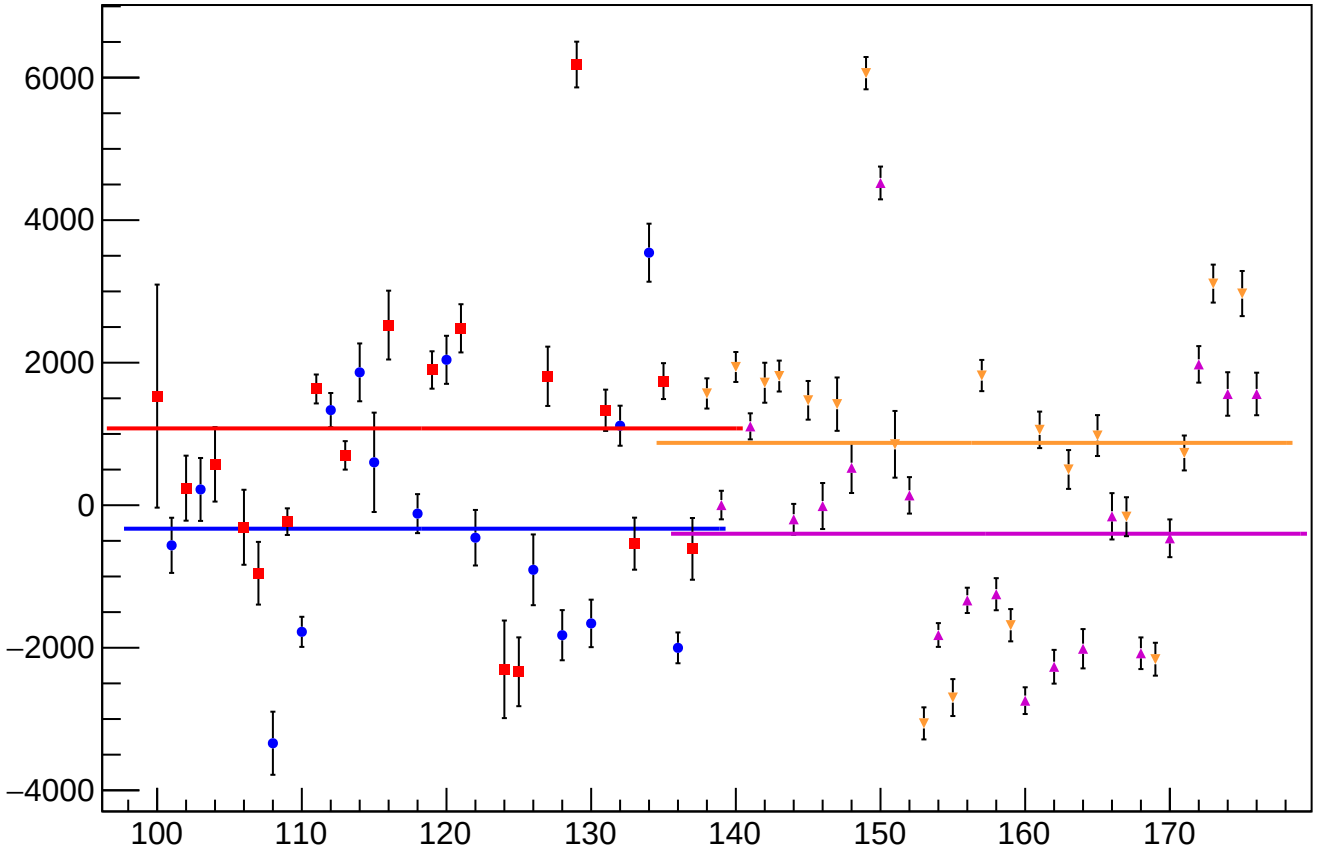
Left In: 204.016+/-0.038 χ^2/NDF:997099.3/18

+ sign 216.503+/-0.033 χ^2/NDF: 1768023.5/35

All: 205.971+/-0.022 χ^2/NDF: 4454821.1/73

- sign 196.979+/-0.030 χ^2/NDF: 2497491.9/37

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 874.956+/-56.583 χ^2/NDF:1542.1/19

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

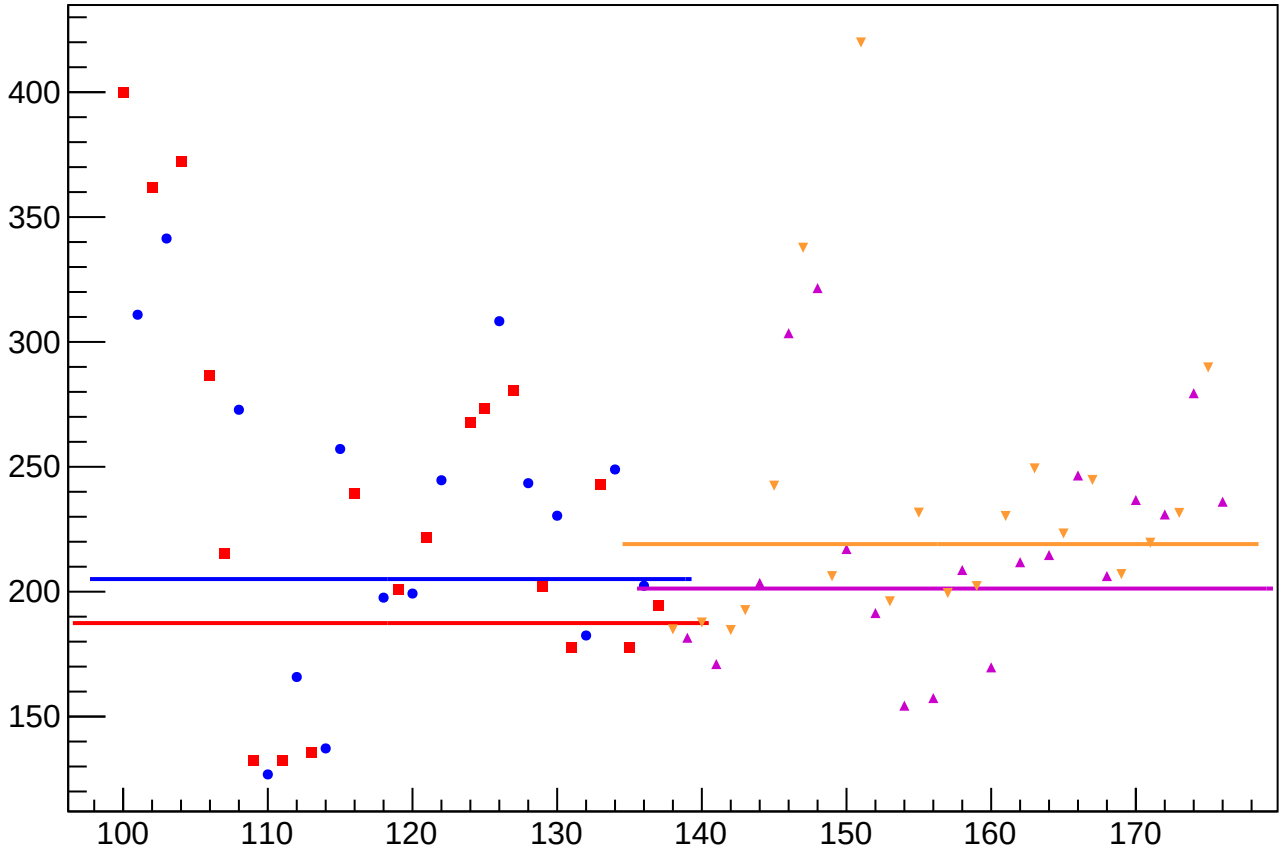
Left In: -400.103+/-53.006 χ^2/NDF:1137.9/18

+ sign 475.824+/-46.266 χ^2/NDF: 2128.6/35

All: 277.521+/-31.486 χ^2/NDF: 4069.2/73

- sign 106.442+/-42.973 χ^2/NDF: 1906.4/37

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 219.058+/-0.040 χ^2/NDF:955760.3/19

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

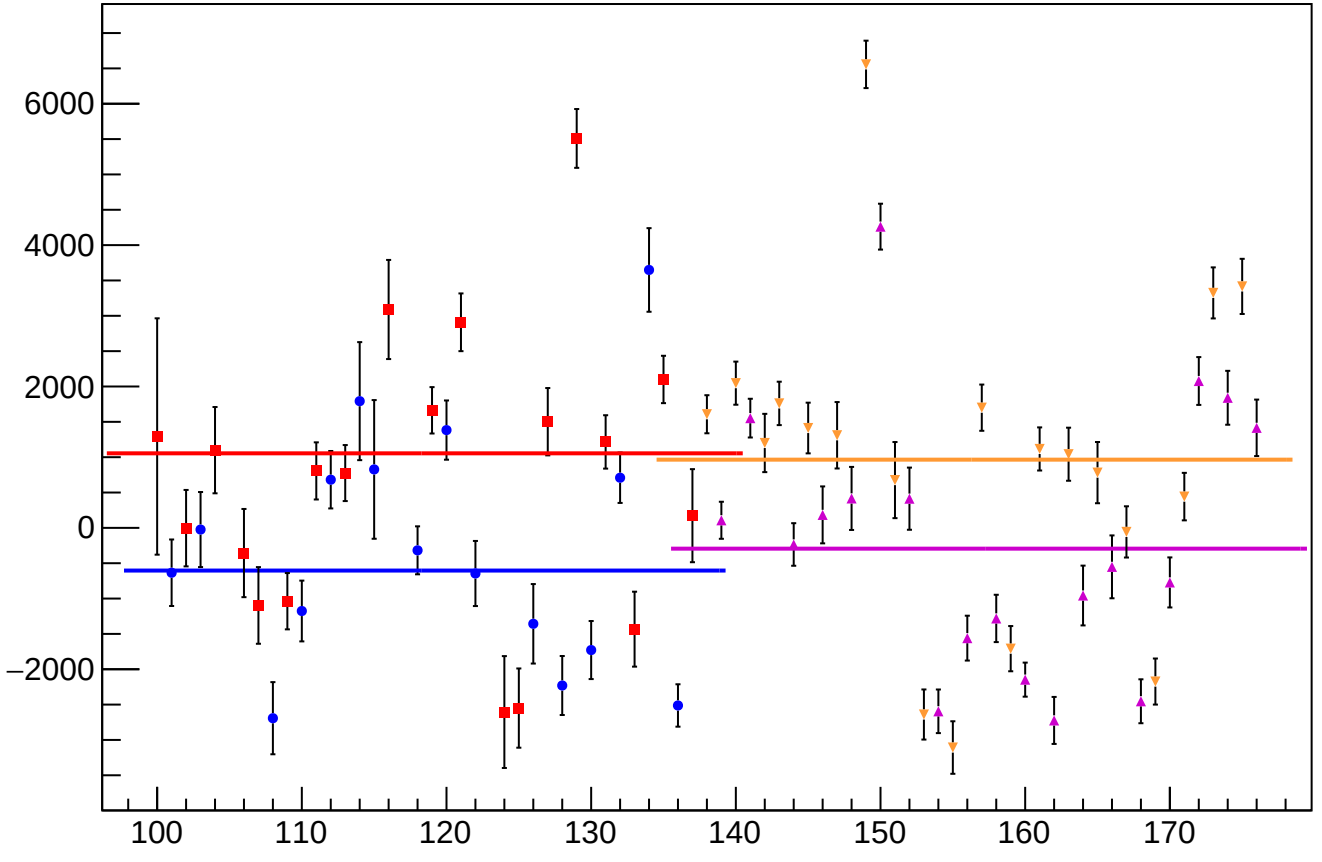
Left In: 201.254+/-0.037 χ^2/NDF:1126014.8/18

+ sign 214.417+/-0.033 χ^2/NDF: 1959419.9/35

All: 204.807+/-0.022 χ^2/NDF: 4703568.6/73

- sign 196.517+/-0.030 χ^2/NDF: 2583431.4/37

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 965.057+/-78.245 χ^2/NDF:790.1/19

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

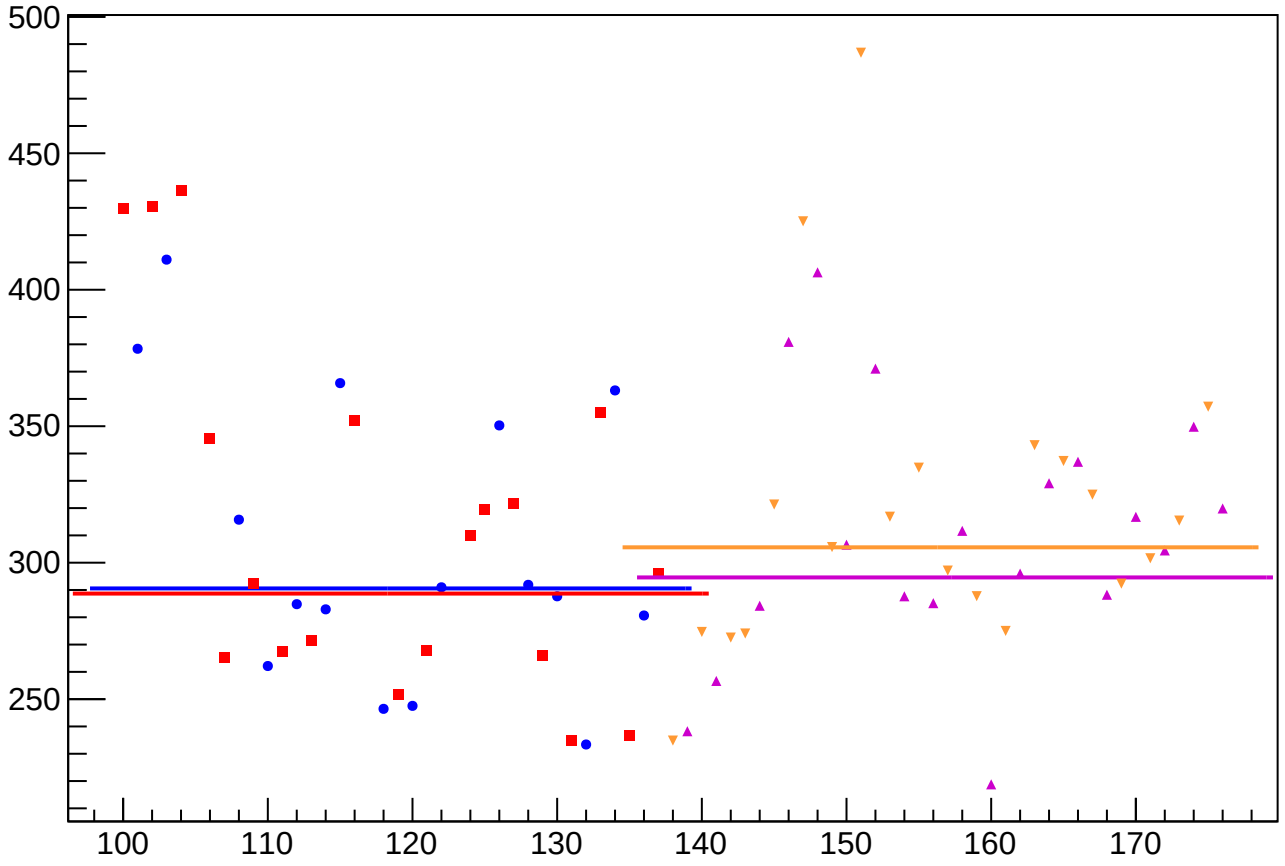
Left In: -294.033+/-76.409 χ^2/NDF:595.9/18

+ sign 442.322+/-63.894 χ^2/NDF: 1117.6/35

All: 295.000+/-44.652 χ^2/NDF: 2125.1/73

- sign 154.364+/-62.427 χ^2/NDF: 997.1/37

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 305.631+/-0.055 χ^2/NDF:670952.2/19

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

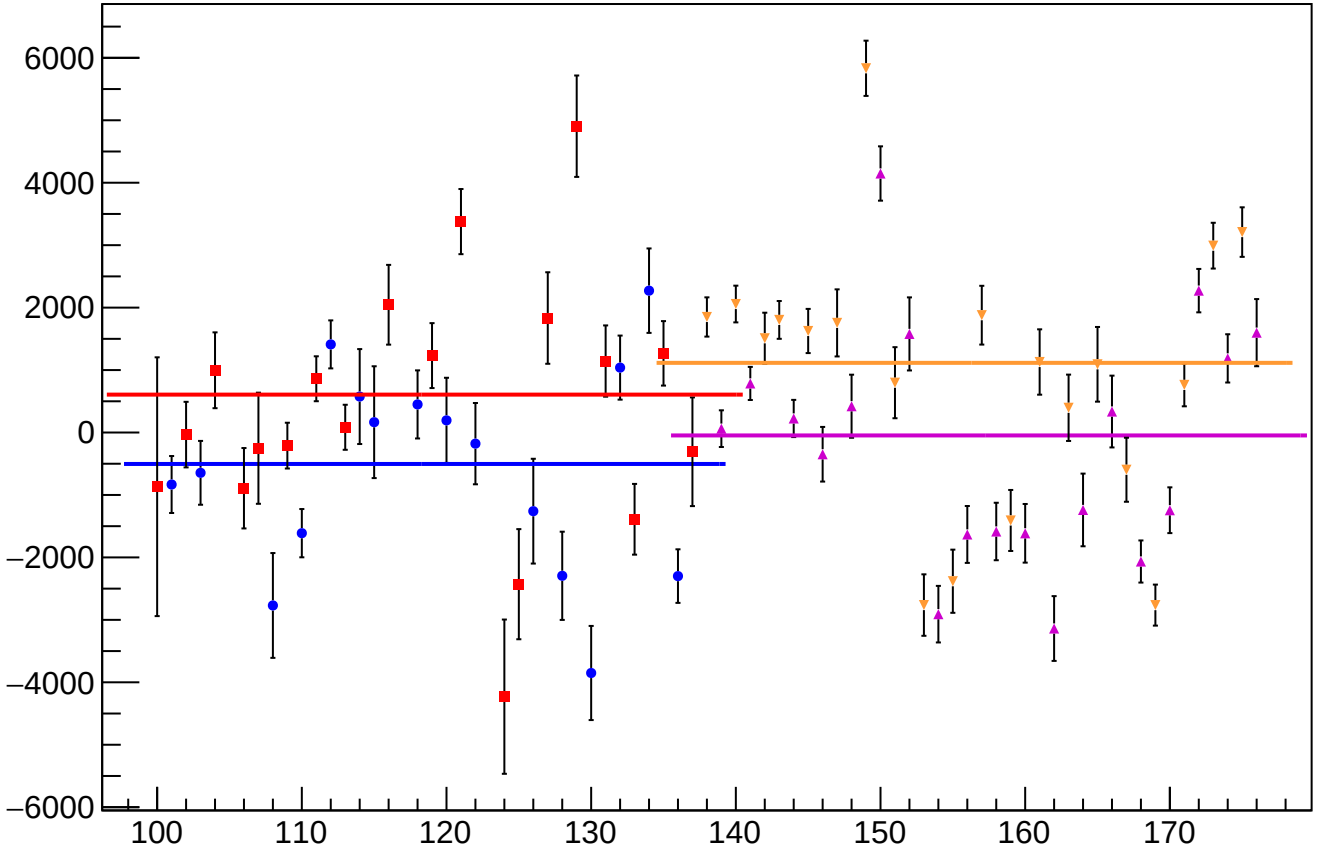
Left In: 294.599+/-0.054 χ^2/NDF:711768.2/18

+ sign 300.611+/-0.045 χ^2/NDF: 1055459.2/35

All: 296.530+/-0.032 χ^2/NDF: 2276258.3/73

- sign 292.633+/-0.044 χ^2/NDF: 1204845.9/37

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1115.616+/-91.166 χ^2/NDF:486.2/19

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

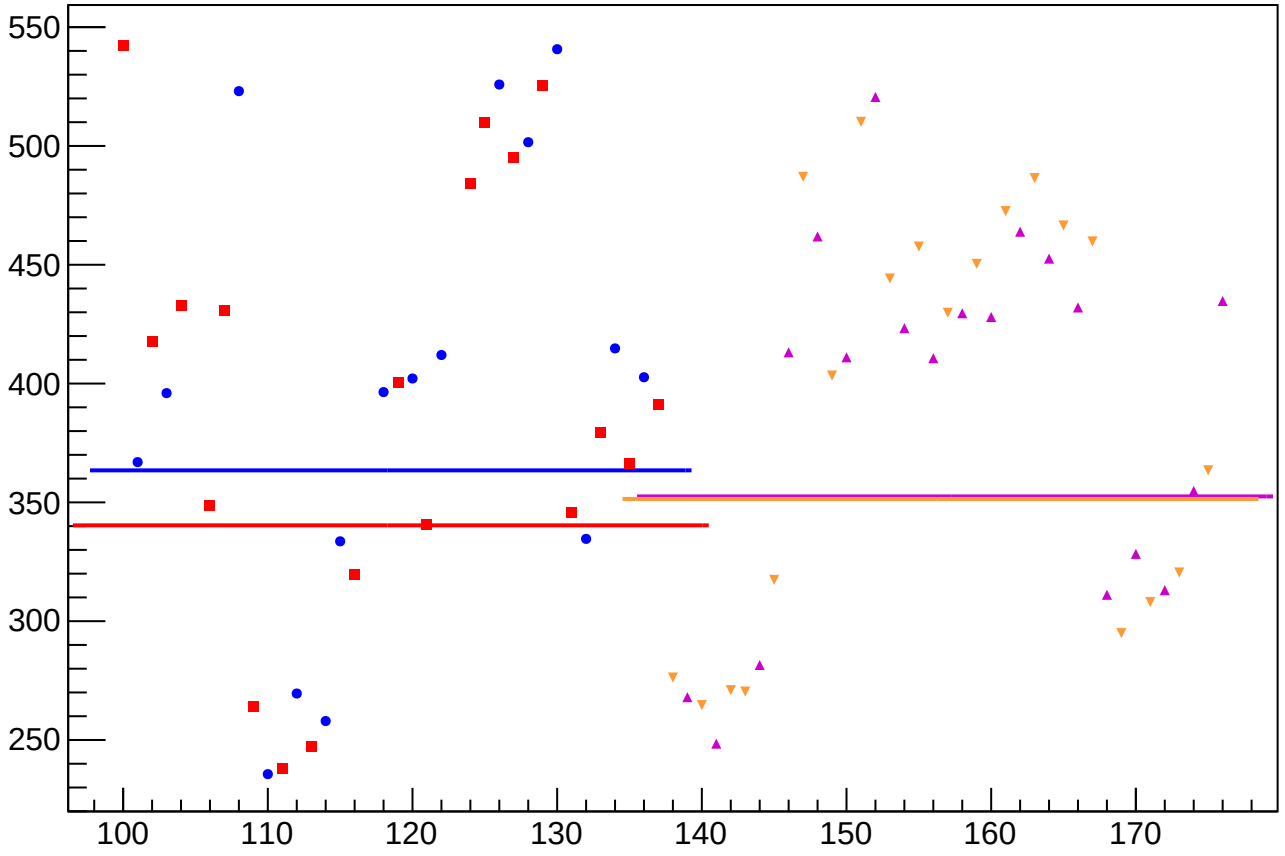
Left In: -46.794+/-92.148 χ^2/NDF:338.0/18

\+ sign 633.710+/-76.406 χ^2/NDF: 698.4/35

All: 399.228+/-53.560 χ^2/NDF: 1196.9/73

\- sign 172.684+/-75.101 χ^2/NDF: 480.1/37

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 351.439+/-0.064 χ^2/NDF:1642056.0/19

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

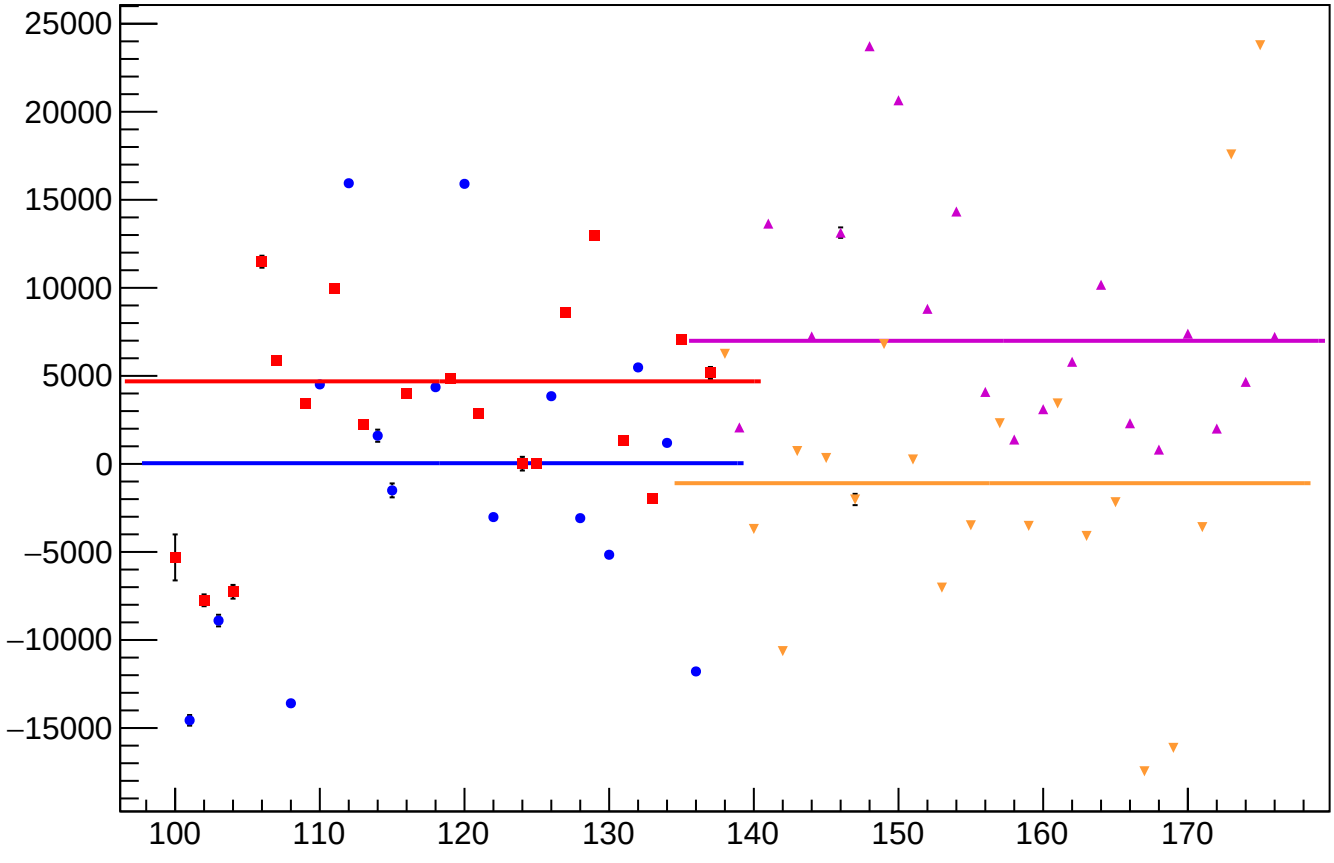
Left In: 352.493+/-0.065 χ^2/NDF:1411287.6/18

+ sign 355.020+/-0.054 χ^2/NDF: 2433317.3/35

All: 351.658+/-0.038 χ^2/NDF: 4720143.2/73

- sign 348.410+/-0.053 χ^2/NDF: 2279213.9/37

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1094.660+/-43.346 χ^2/NDF:46148.1/19

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

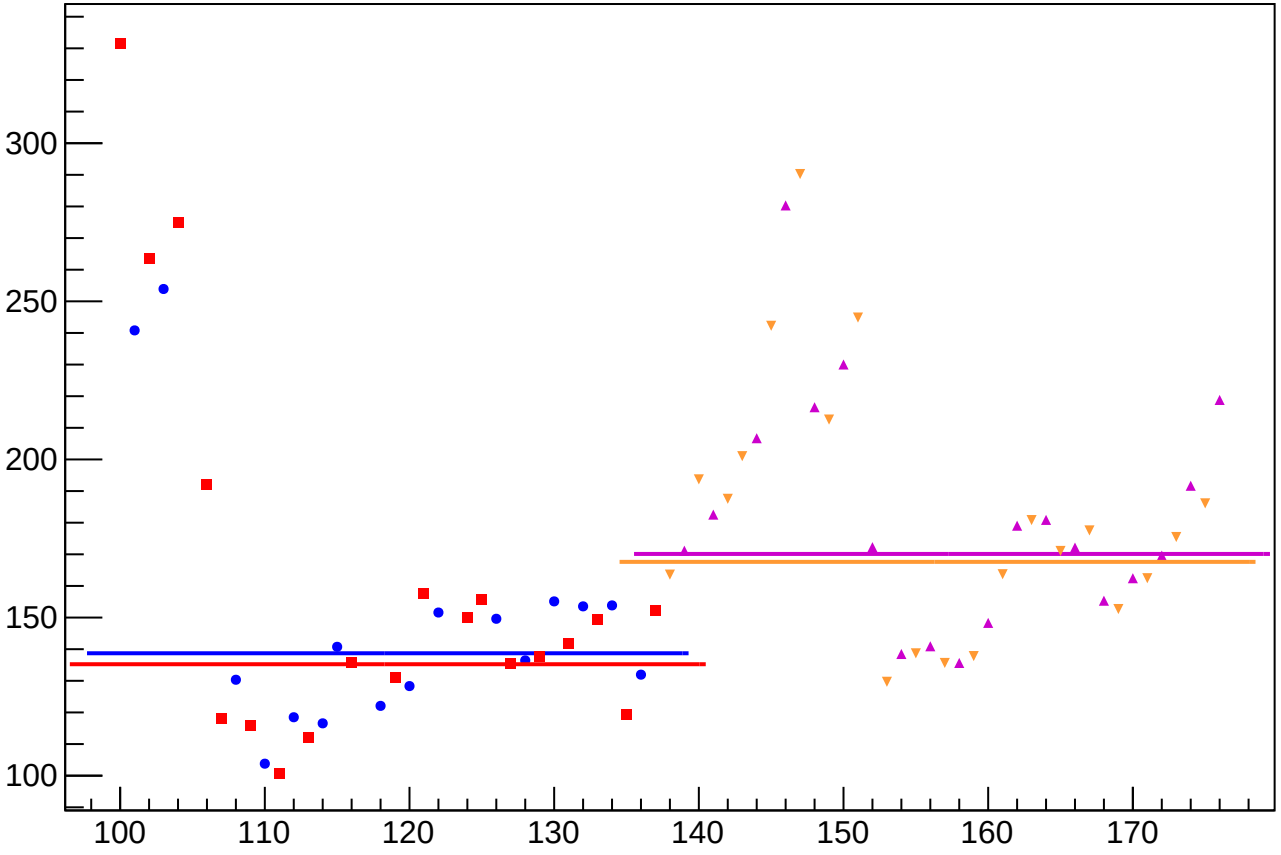
Left In: 6991.813+/-44.595 χ^2/NDF:17738.2/18

+ sign -651.675+/-33.851 χ^2/NDF: 77202.1/35

All: 2680.674+/-23.946 χ^2/NDF: 123259.3/73

- sign 6018.251+/-33.878 χ^2/NDF: 26660.8/37

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.615+/-0.031 χ^2/NDF:1179557.0/19

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

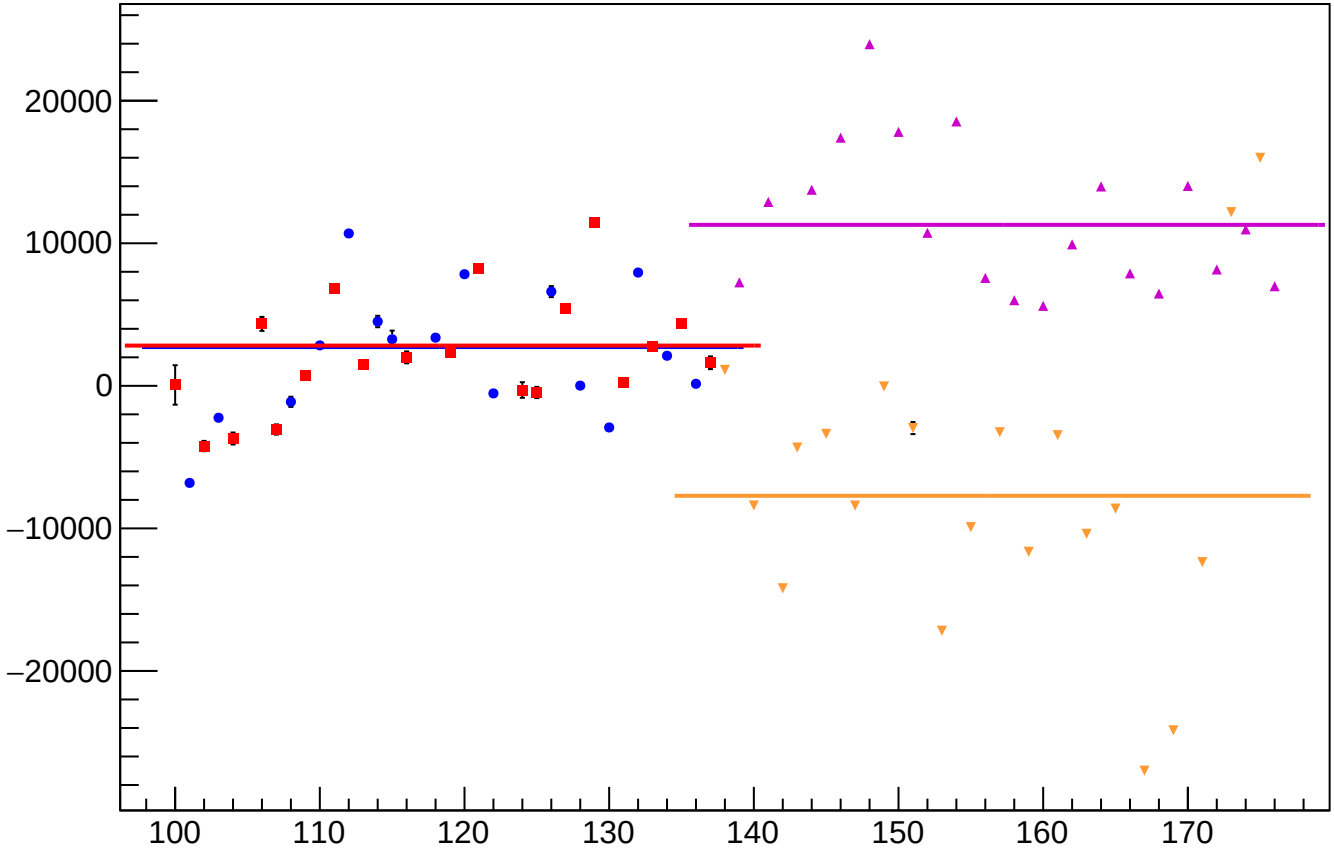
Left In: 170.120+/-0.032 χ^2/NDF:951737.9/18

+ sign 156.340+/-0.024 χ^2/NDF: 2184244.4/35

All: 155.856+/-0.017 χ^2/NDF: 4544095.3/73

- sign 155.372+/-0.024 χ^2/NDF: 2359033.1/37

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7712.176+/-50.902 χ^2/NDF:39148.6/19

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

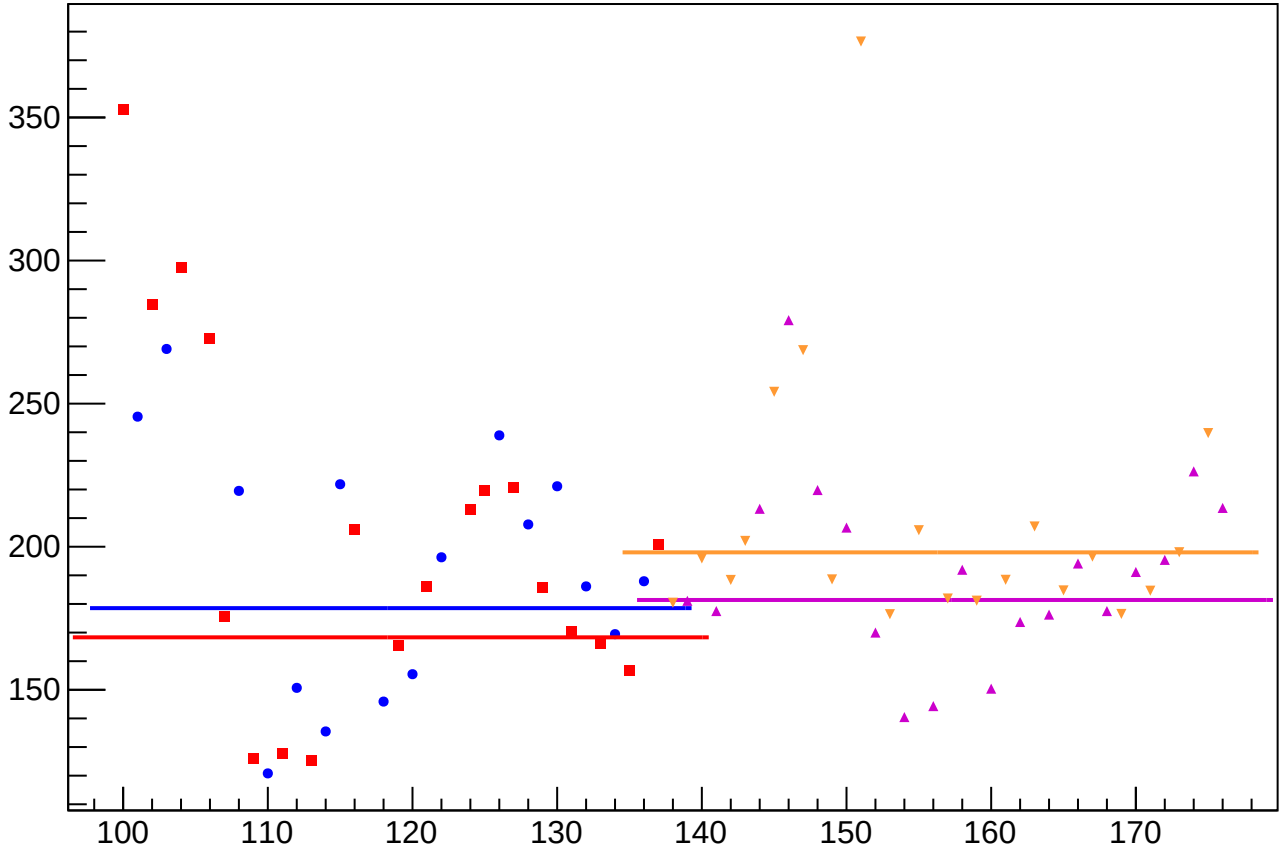
Left In: 11291.807+/-47.500 χ^2/NDF:10841.7/18

+ sign -4052.663+/-41.013 χ^2/NDF: 58012.0/35

All: 2561.250+/-28.000 χ^2/NDF: 131721.4/73

- sign 8335.019+/-38.320 χ^2/NDF: 25002.0/37

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.029+/-0.036 χ^2/NDF:716878.9/19

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

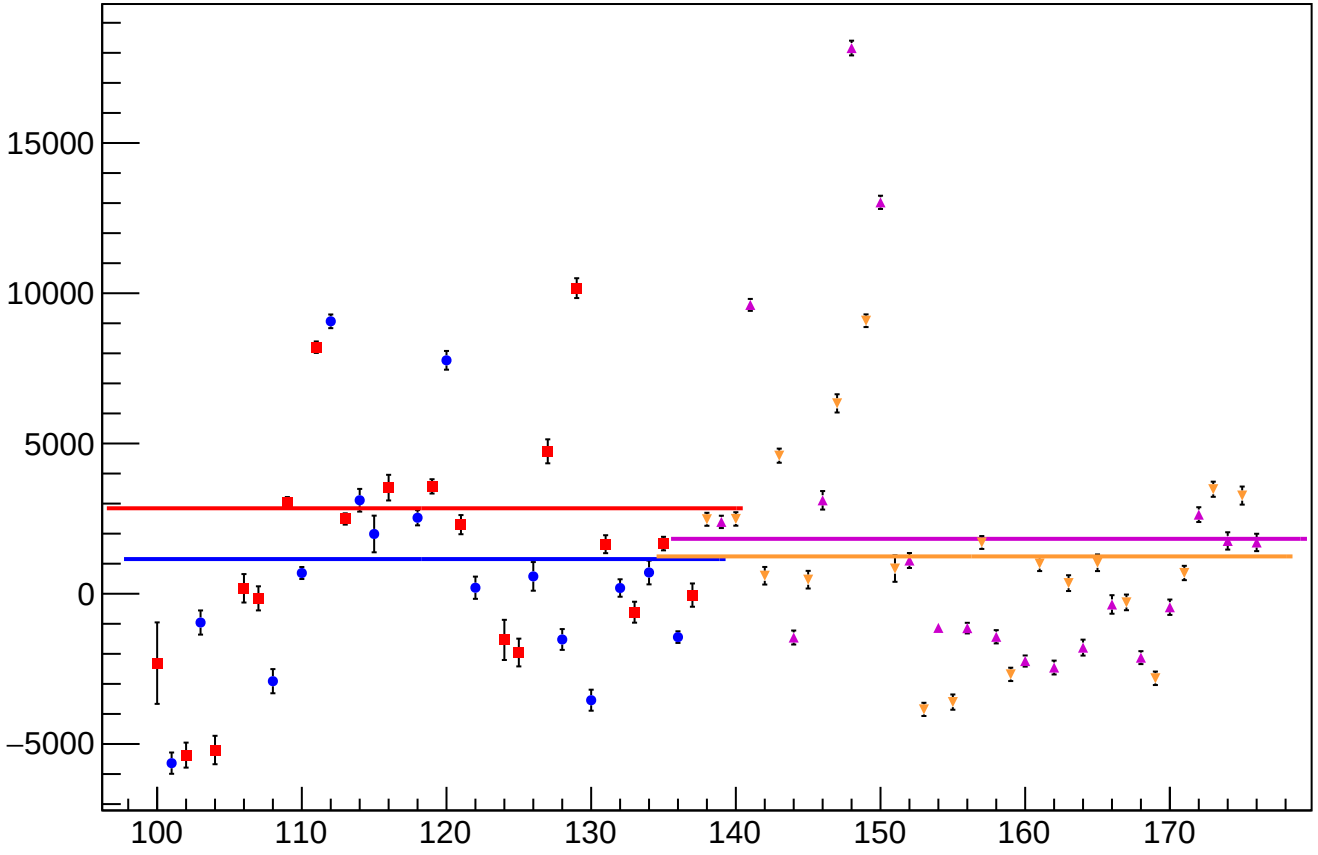
Left In: 181.391+/-0.034 χ^2/NDF:780519.3/18

+ sign 191.193+/-0.029 χ^2/NDF: 1494279.1/35

All: 183.525+/-0.020 χ^2/NDF: 3437959.0/73

- sign 176.832+/-0.027 χ^2/NDF: 1812766.2/37

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1242.304+/-55.779 χ^2/NDF:3662.1/19

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

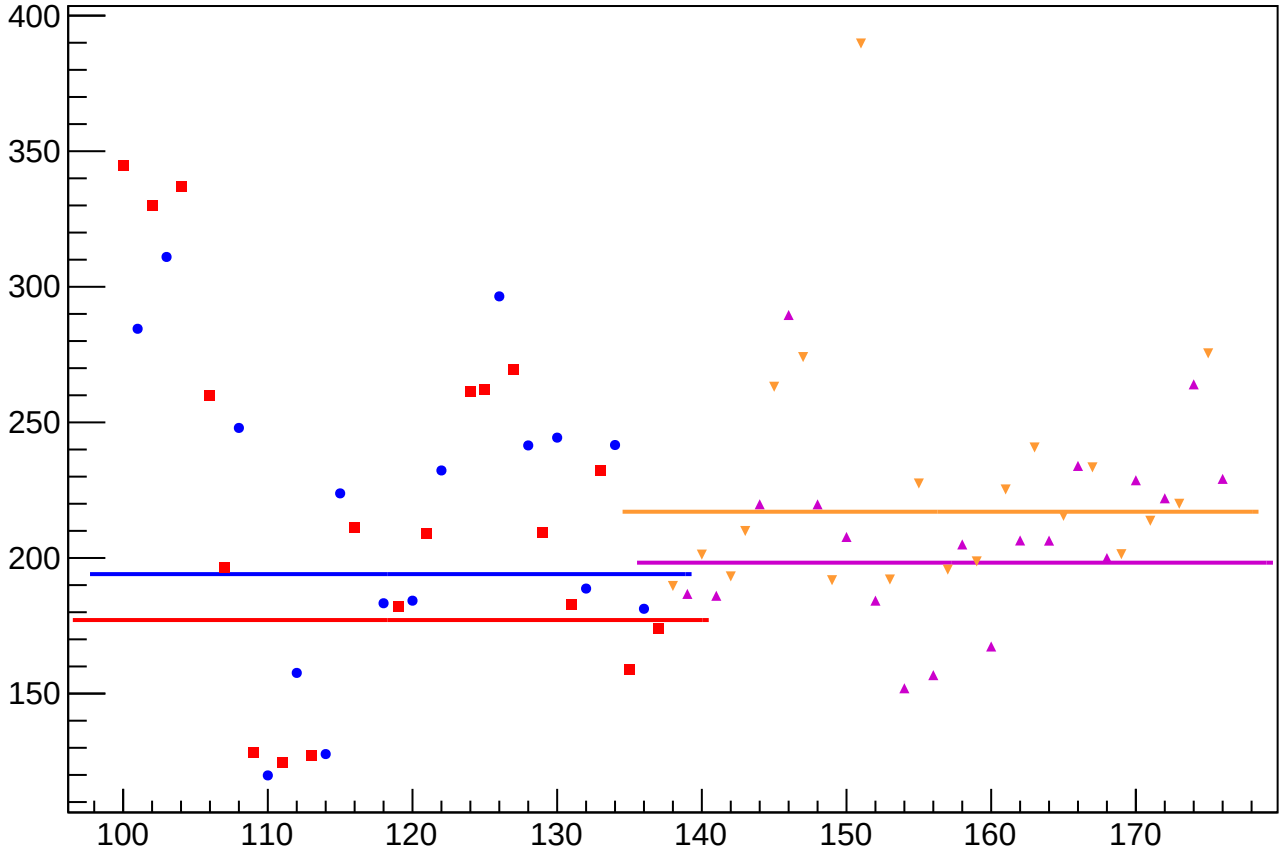
Left In: 1827.108+/-51.942 χ^2/NDF:11093.3/18

+ sign 1211.306+/-44.958 χ^2/NDF: 6318.4/35

All: 1741.537+/-30.506 χ^2/NDF: 20260.8/73

- sign 2193.940+/-41.528 χ^2/NDF: 13684.7/37

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 217.058+/-0.039 χ^2/NDF:688846.2/19

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

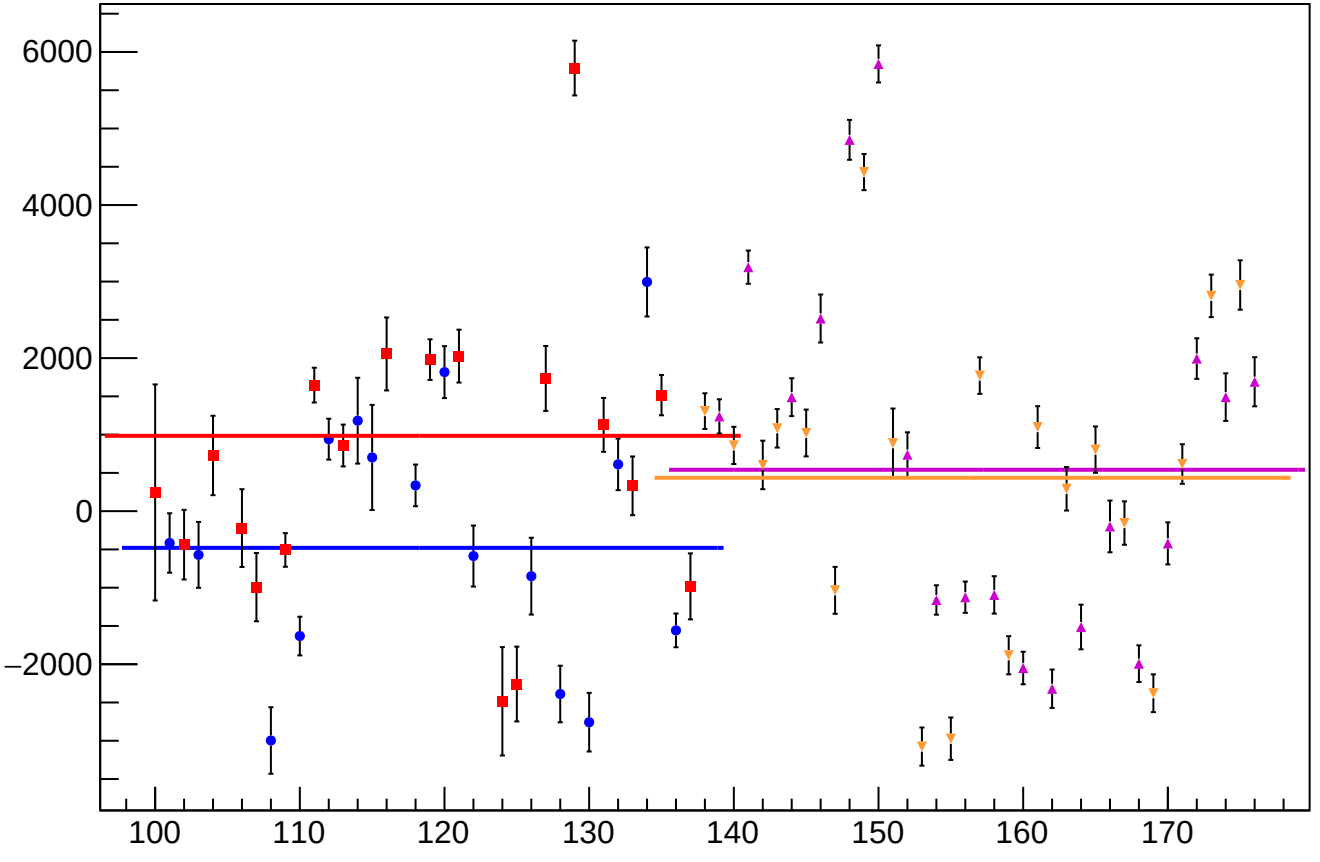
Left In: 198.270+/-0.037 χ^2/NDF:763146.2/18

+ sign 208.998+/-0.032 χ^2/NDF: 1773819.1/35

All: 199.091+/-0.022 χ^2/NDF: 4195994.2/73

- sign 190.638+/-0.029 χ^2/NDF: 2242178.5/37

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 436.015+/-60.759 χ^2/NDF:1081.5/19

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

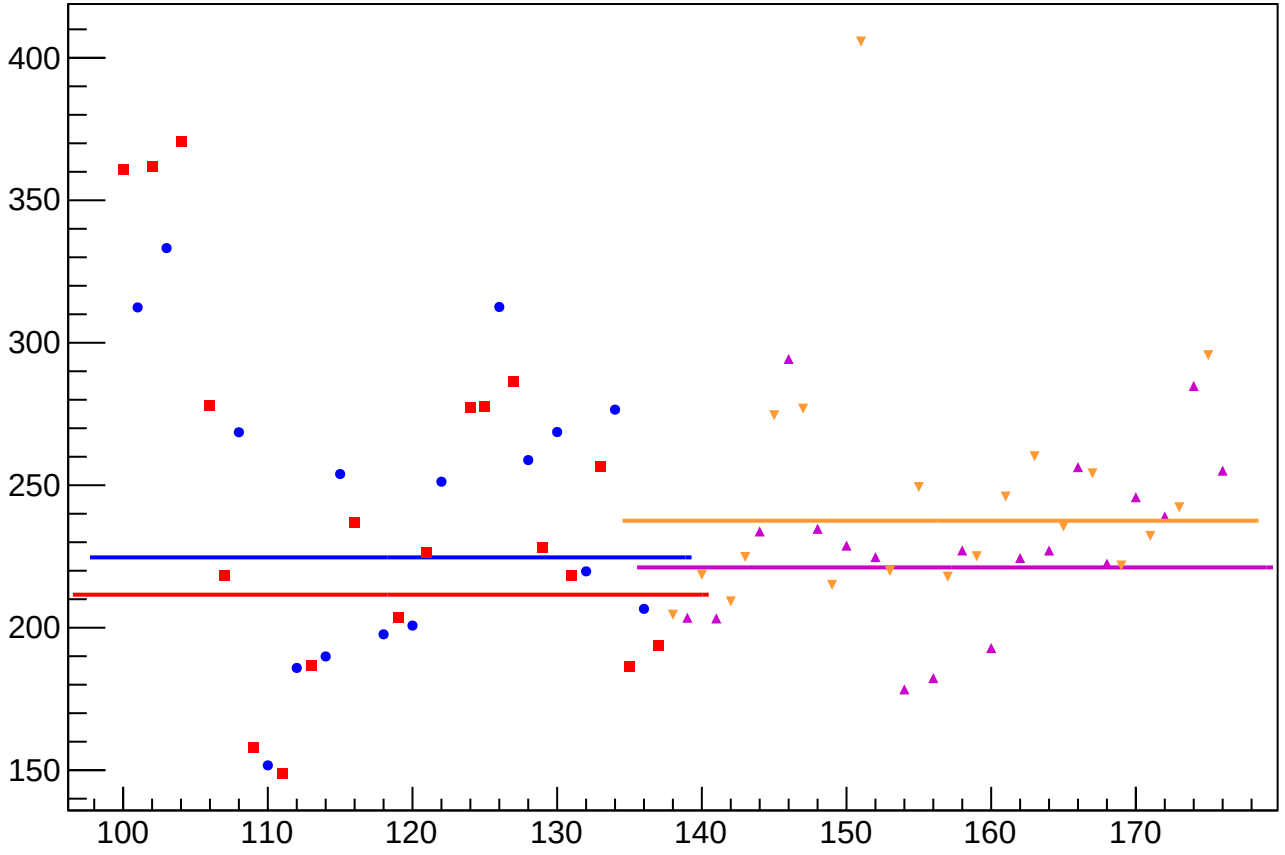
Left In: 540.953+/-57.502 χ^2/NDF:1665.0/18

+ sign 134.476+/-49.754 χ^2/NDF: 1461.7/35

All: 428.607+/-34.119 χ^2/NDF: 3610.8/73

- sign 689.715+/-46.878 χ^2/NDF: 2083.1/37

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 237.539+/-0.043 χ^2/NDF:556343.2/19

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

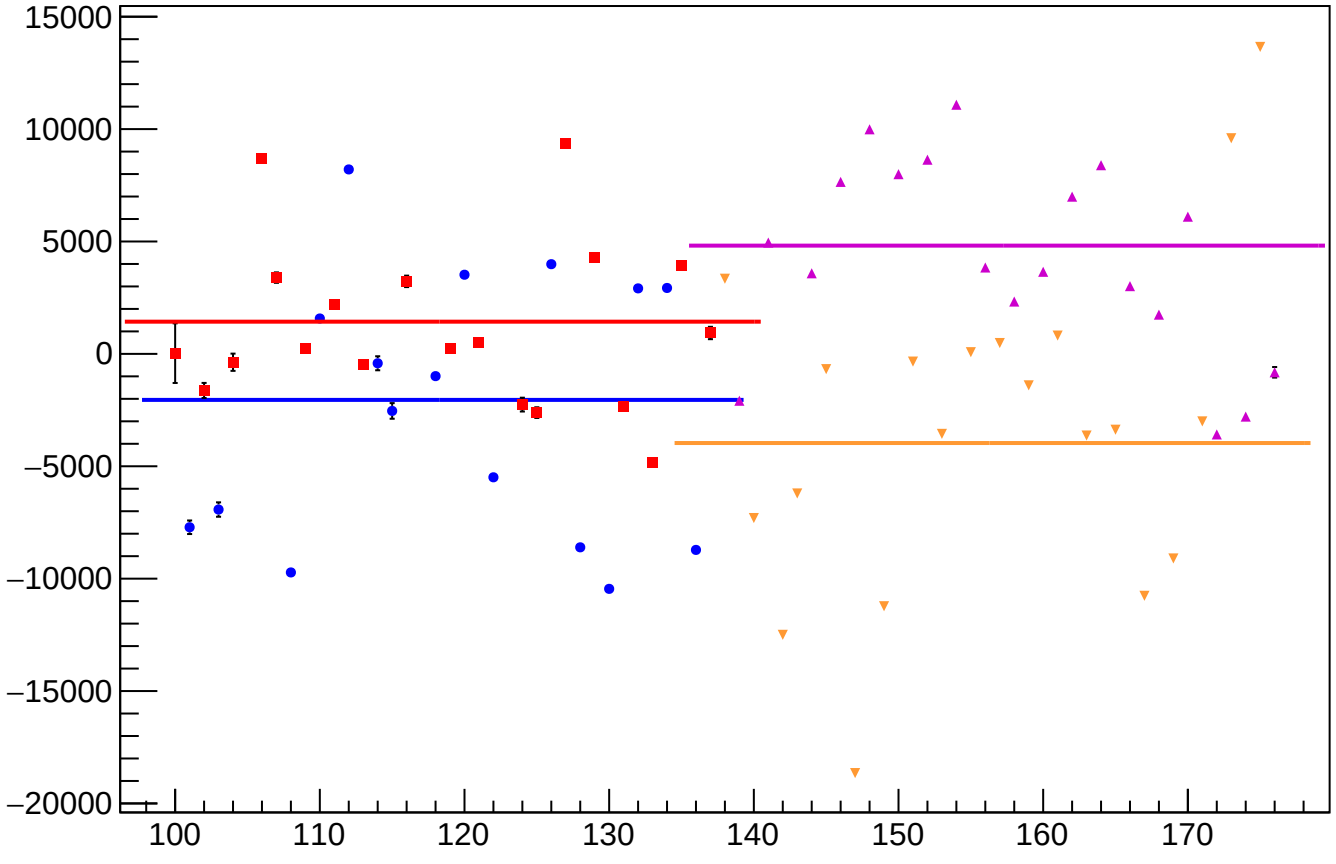
Left In: 221.158+/-0.041 χ^2/NDF:510069.5/18

+ sign 233.304+/-0.035 χ^2/NDF: 1239038.4/35

All: 225.171+/-0.024 χ^2/NDF: 2801453.1/73

- sign 217.950+/-0.033 χ^2/NDF: 1461522.9/37

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3966.073+/-32.259 χ^2/NDF:46909.8/19

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

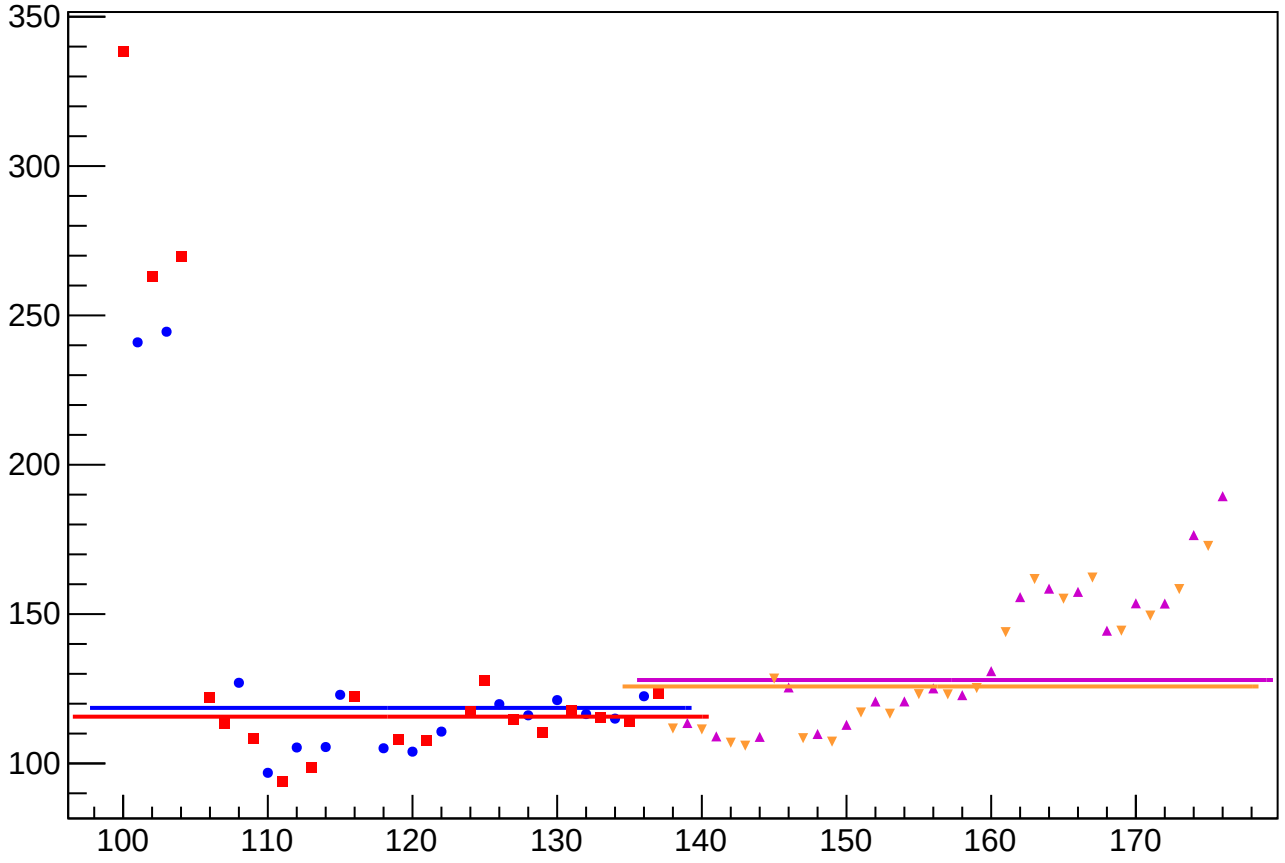
Left In: 4816.123+/-33.157 χ^2/NDF:15227.7/18

+ sign -3346.635+/-26.546 χ^2/NDF: 64761.1/35

All: 123.058+/-18.803 χ^2/NDF: 124351.9/73

- sign 3616.345+/-26.636 χ^2/NDF: 25307.8/37

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 125.773+/-0.023 χ^2/NDF:732079.7/19

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

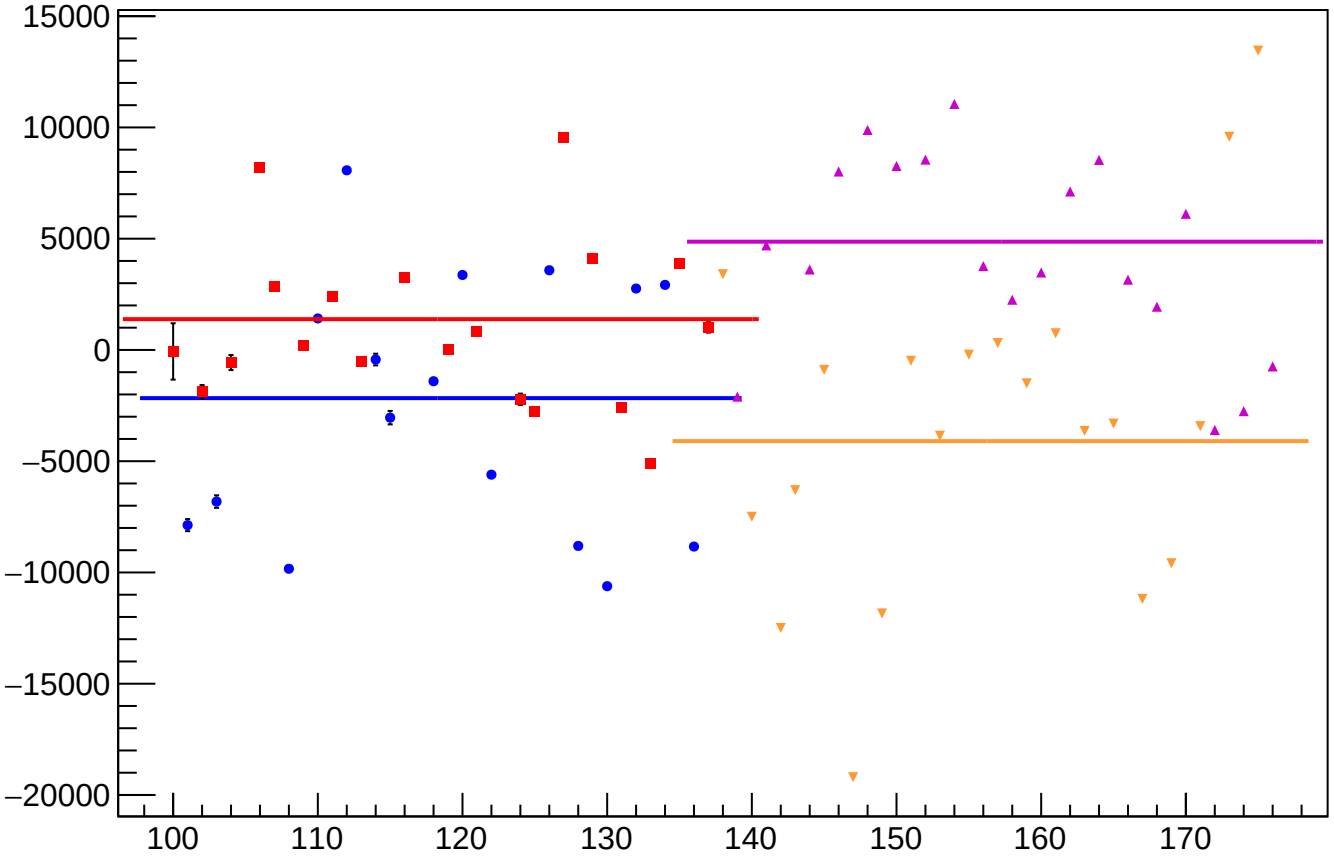
Left In: 127.934+/-0.023 χ^2/NDF:735368.0/18

+ sign 123.456+/-0.019 χ^2/NDF: 1498198.7/35

All: 123.518+/-0.013 χ^2/NDF: 3194997.3/73

- sign 123.581+/-0.019 χ^2/NDF: 1696776.5/37

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4098.170+/-29.164 χ^2/NDF:55765.0/19

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

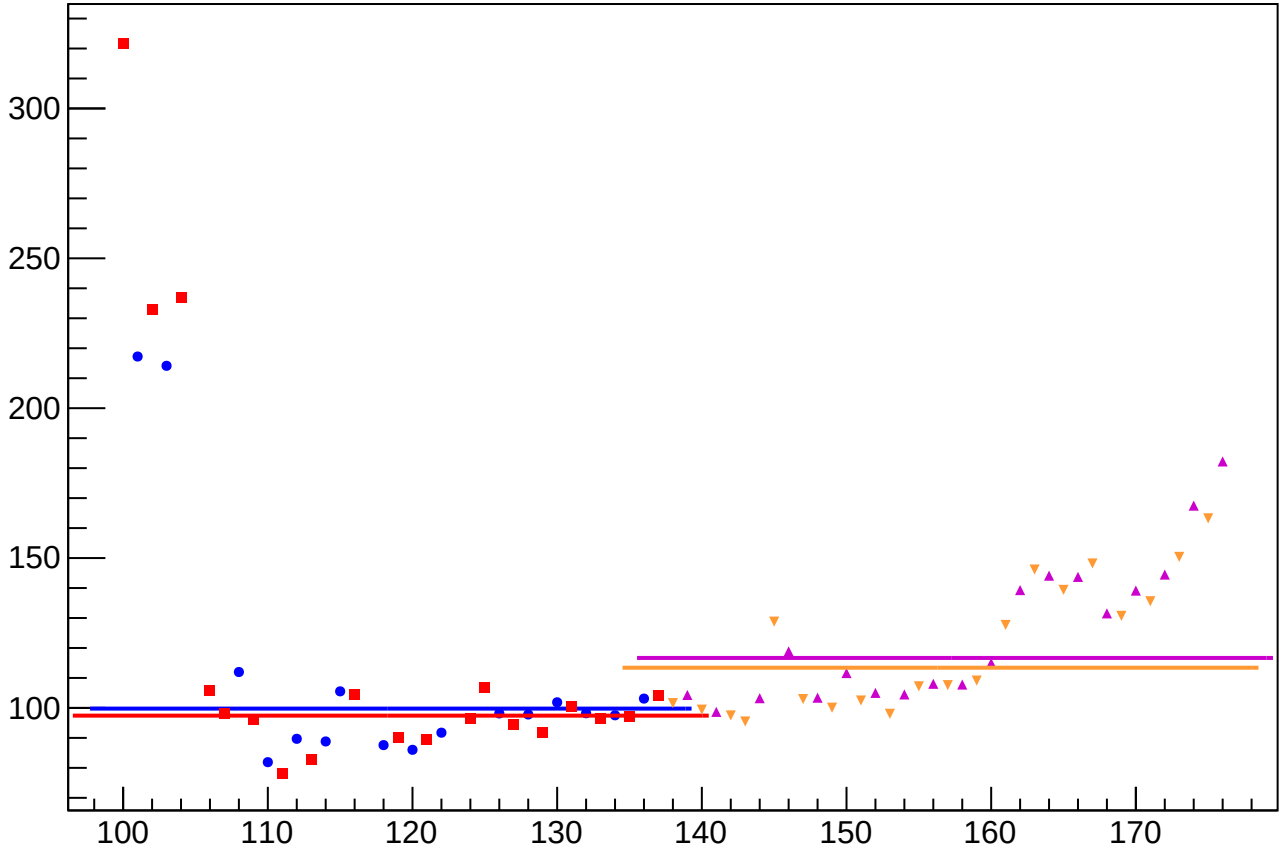
Left In: 4864.966+/-30.285 χ^2/NDF:18123.9/18

+ sign -3419.395+/-23.489 χ^2/NDF: 80181.9/35

All: 18.296+/-16.676 χ^2/NDF: 155775.2/73

- sign 3511.383+/-23.678 χ^2/NDF: 32410.9/37

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 113.415+/-0.021 χ^2/NDF:822763.2/19

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

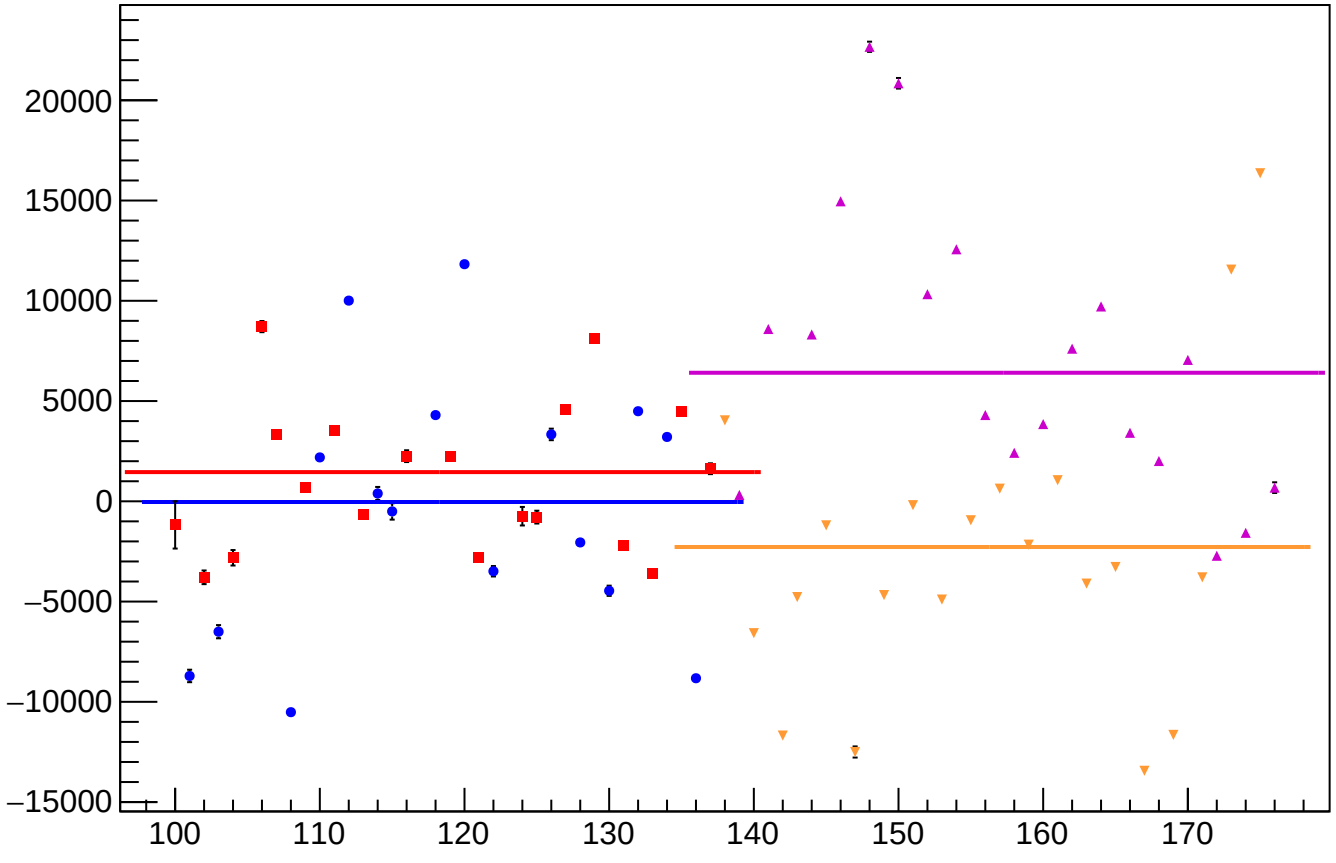
Left In: 116.676+/-0.021 χ^2/NDF:778990.6/18

+ sign 108.624+/-0.017 χ^2/NDF: 1785617.5/35

All: 108.906+/-0.012 χ^2/NDF: 3805317.9/73

- sign 109.193+/-0.017 χ^2/NDF: 2019117.0/37

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2278.891+/-40.507 χ^2/NDF:25054.1/19

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

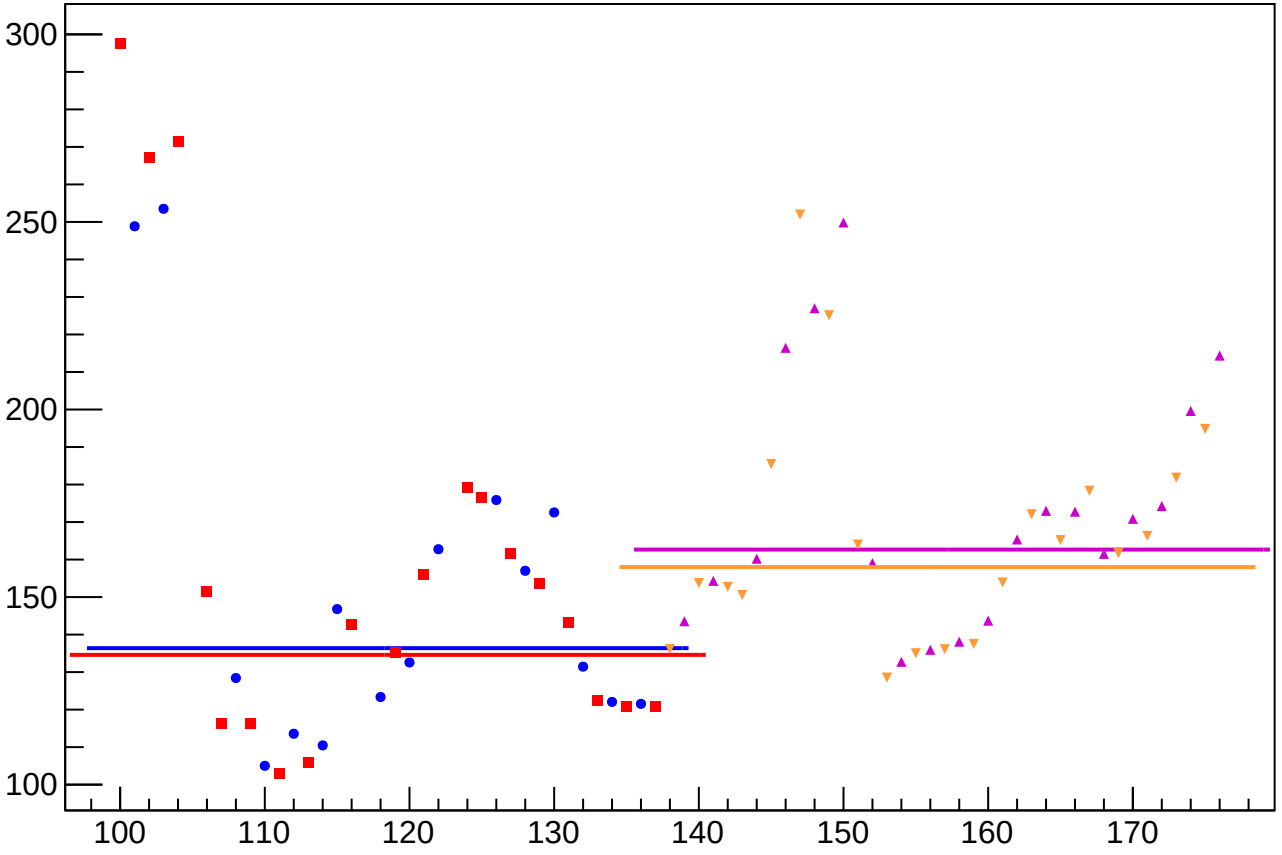
Left In: 6410.873+/-42.261 χ^2/NDF:18858.8/18

\+ sign -1460.484+/-32.287 χ^2/NDF: 42976.3/35

All: 1443.734+/-23.003 χ^2/NDF: 87858.0/73

\- sign 4437.773+/-32.782 χ^2/NDF: 28449.1/37

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 157.990+/-0.029 χ^2/NDF:799238.3/19

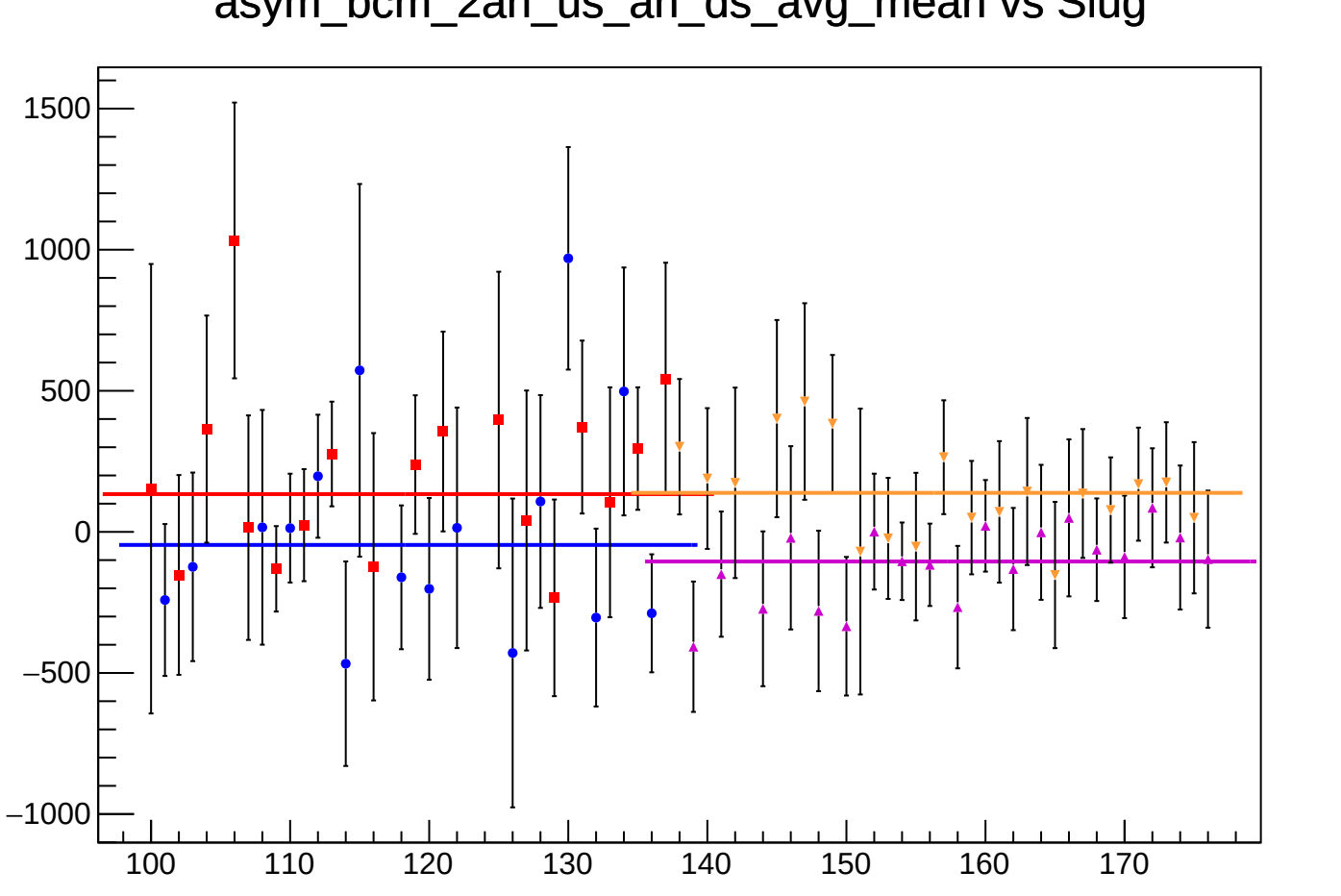
Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 162.661+/-0.030 χ^2/NDF:877492.7/18

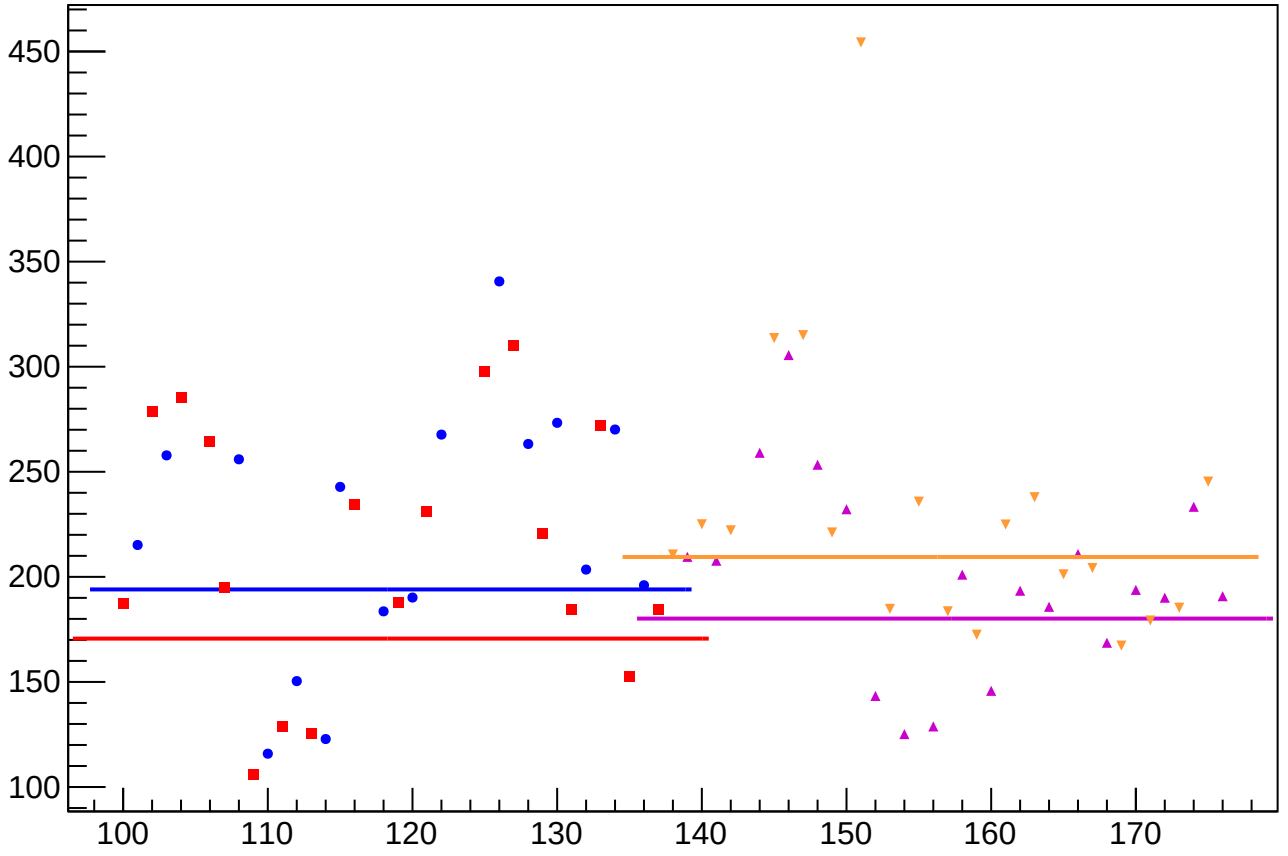
+ sign 150.111+/-0.023 χ^2/NDF: 1803611.8/35

All: 150.787+/-0.016 χ^2/NDF: 3953709.6/73

- sign 151.484+/-0.023 χ^2/NDF: 2148315.1/37


asym_bcm_2an_us_an_ds_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -46.199+/-76.283 χ²/NDF: 15.5/15
Left Out: 138.294+/-55.957 χ²/NDF:6.4/18
Right Out: 133.913+/-68.414 χ²/NDF: 12.8/17
Left In: -104.987+/-48.133 χ²/NDF:6.4/18
+ sign 73.751+/-45.119 χ²/NDF: 25.7/34
All: 17.179+/-29.663 χ²/NDF: 55.8/71
- sign -25.886+/-39.366 χ²/NDF: 27.4/36

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 209.457+/-0.040 χ^2/NDF:1235056.0/18

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

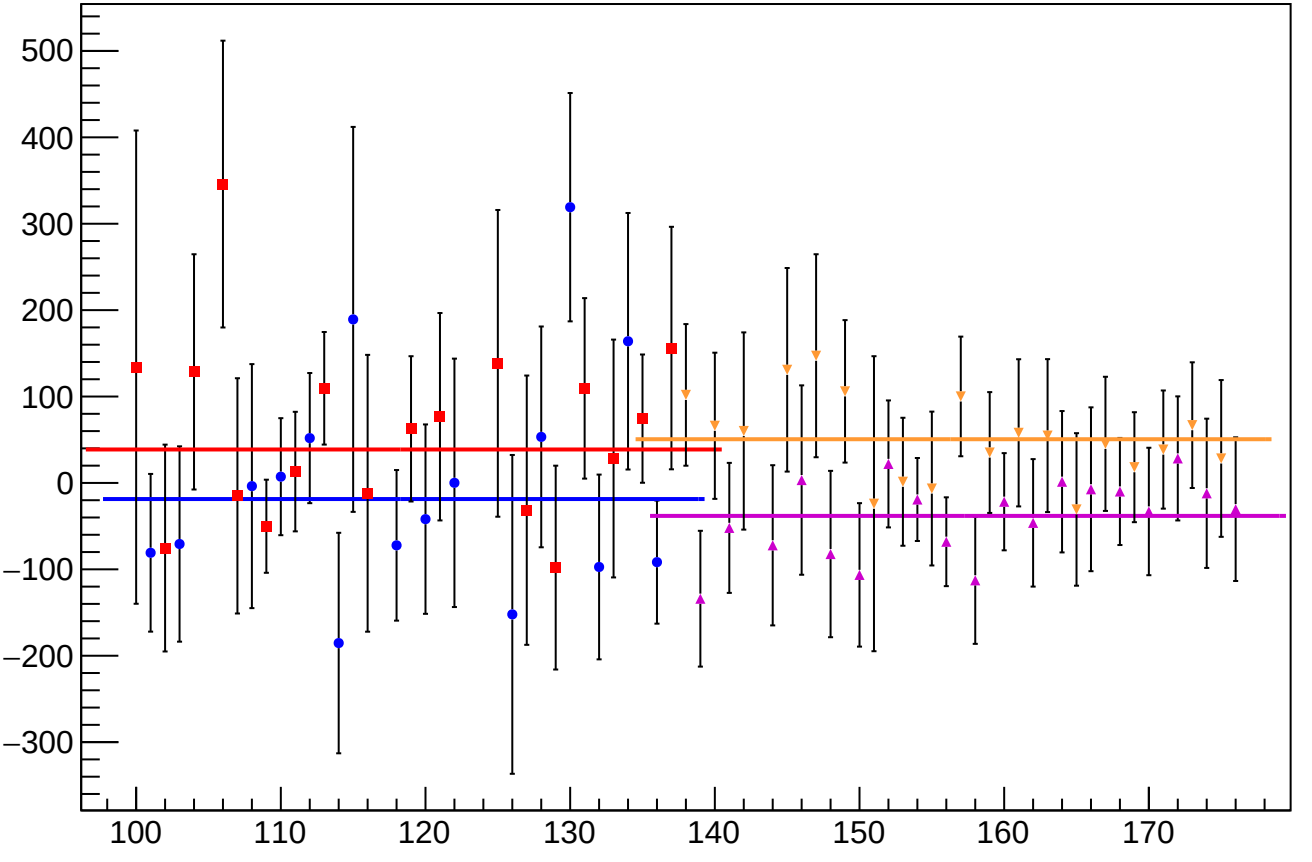
Left In: 180.148+/-0.034 χ^2/NDF:1633329.7/18

+ sign 204.055+/-0.032 χ^2/NDF: 2331913.4/34

All: 188.691+/-0.021 χ^2/NDF: 5993375.3/71

- sign 176.995+/-0.028 χ^2/NDF: 3252994.9/36

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 50.586+/-19.090 χ^2/NDF:4.9/18

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

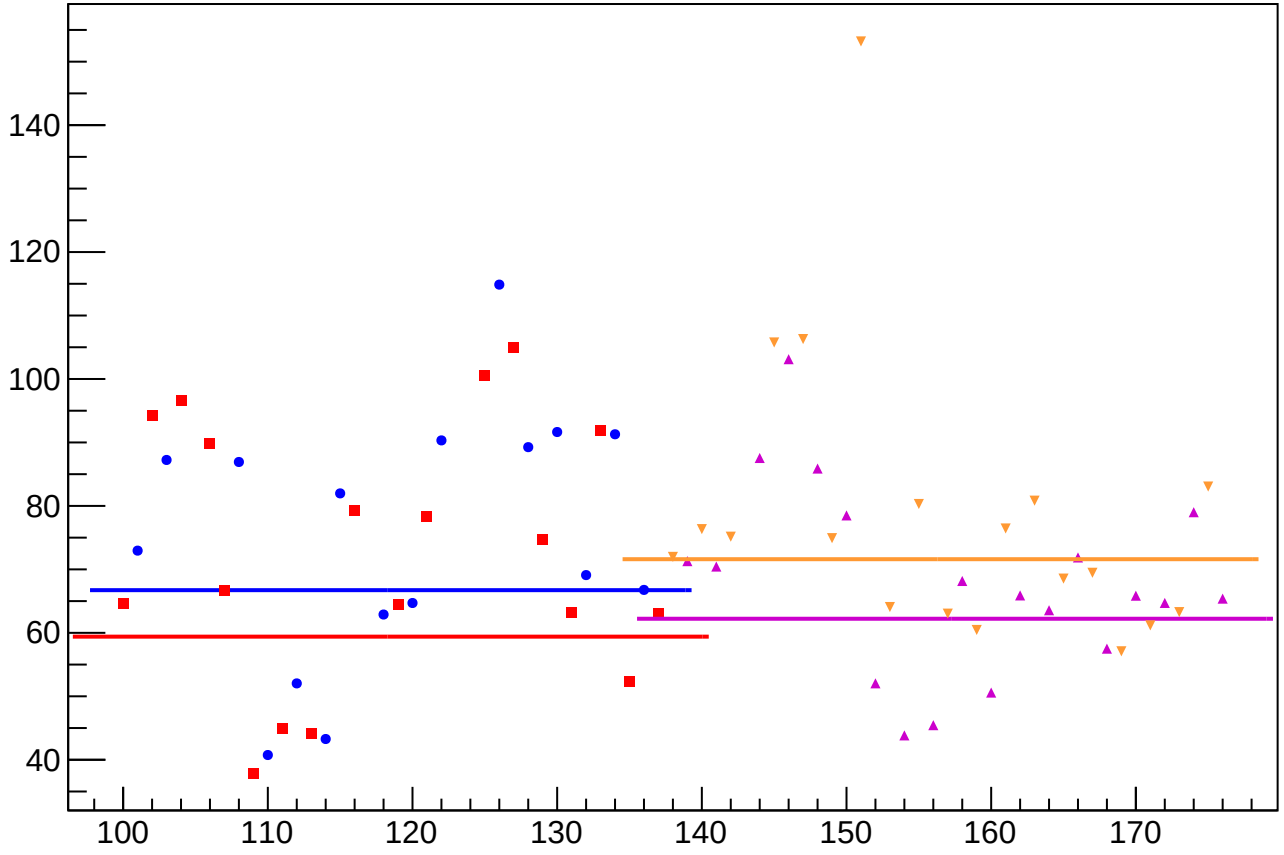
Left In: -38.150+/-16.551 χ^2/NDF:6.5/18

+ sign 26.484+/-15.413 χ^2/NDF: 24.7/34

All: 4.294+/-10.181 χ^2/NDF: 54.6/71

- sign -12.882+/-13.561 χ^2/NDF: 26.2/36

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 71.604+/-0.013 χ^2/NDF:1172644.2/18

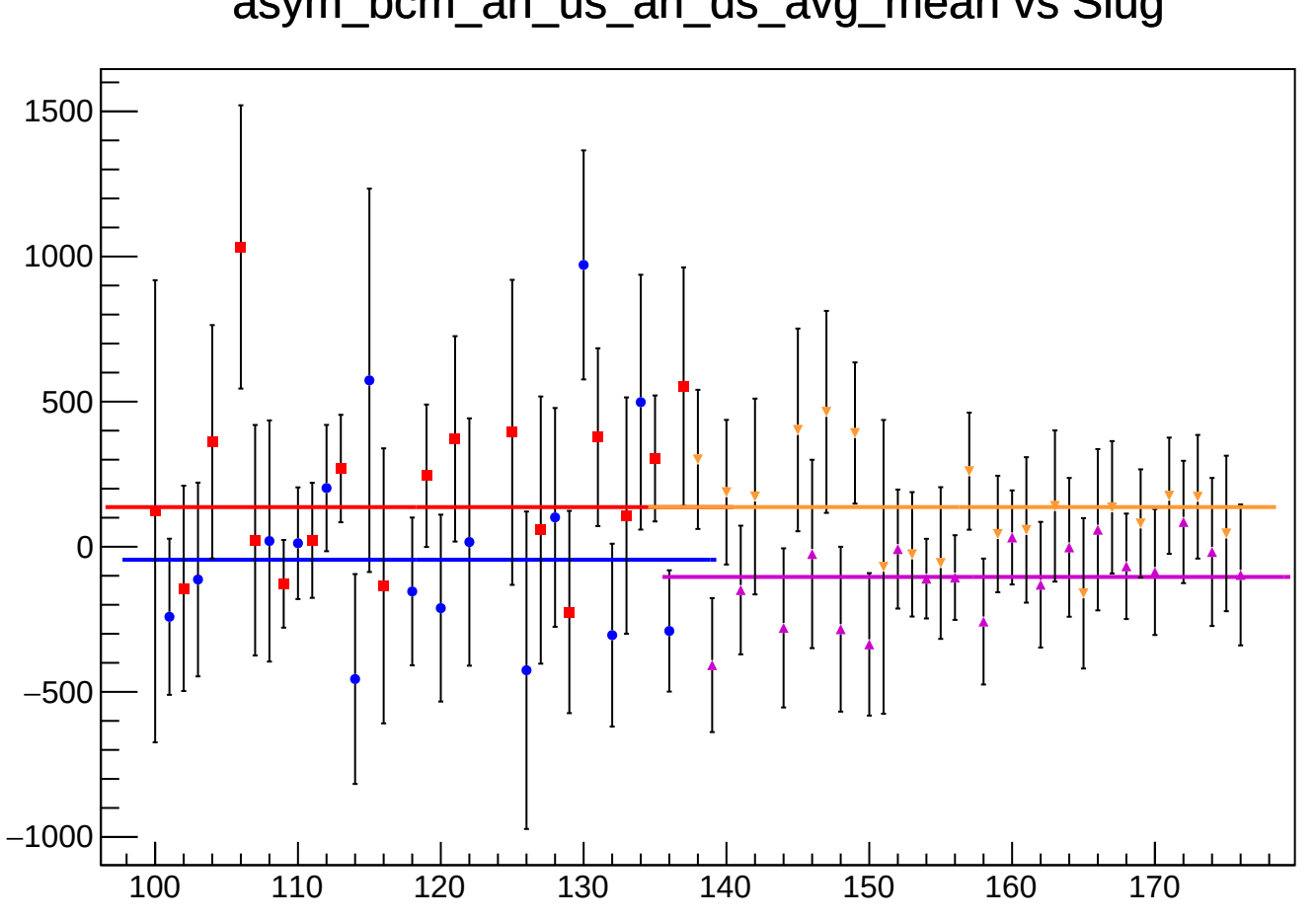
Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 62.220+/-0.012 χ^2/NDF:1442396.7/18

+ sign 69.905+/-0.011 χ^2/NDF: 2165168.8/34

All: 65.051+/-0.007 χ^2/NDF: 5423931.3/71

- sign 61.293+/-0.010 χ^2/NDF: 2906850.8/36



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 136.678+/-55.911 χ^2/NDF:6.7/18

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

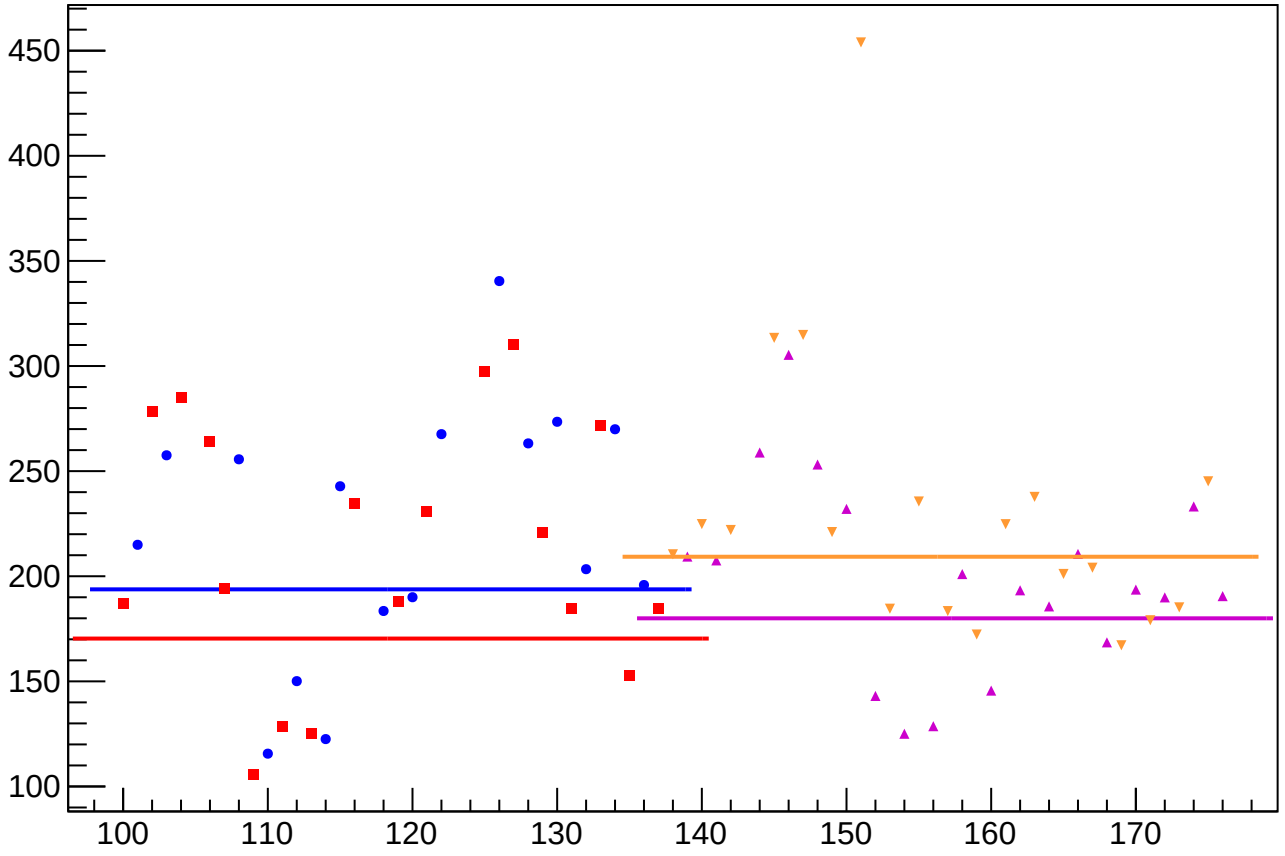
Left In: -104.047+/-48.092 χ^2/NDF:6.5/18

+ sign 73.124+/-45.078 χ^2/NDF: 25.8/34

All: 17.790+/-29.634 χ^2/NDF: 56.1/71

- sign -24.324+/-39.326 χ^2/NDF: 27.6/36

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 209.281+/-0.040 χ^2/NDF:1235684.5/18

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

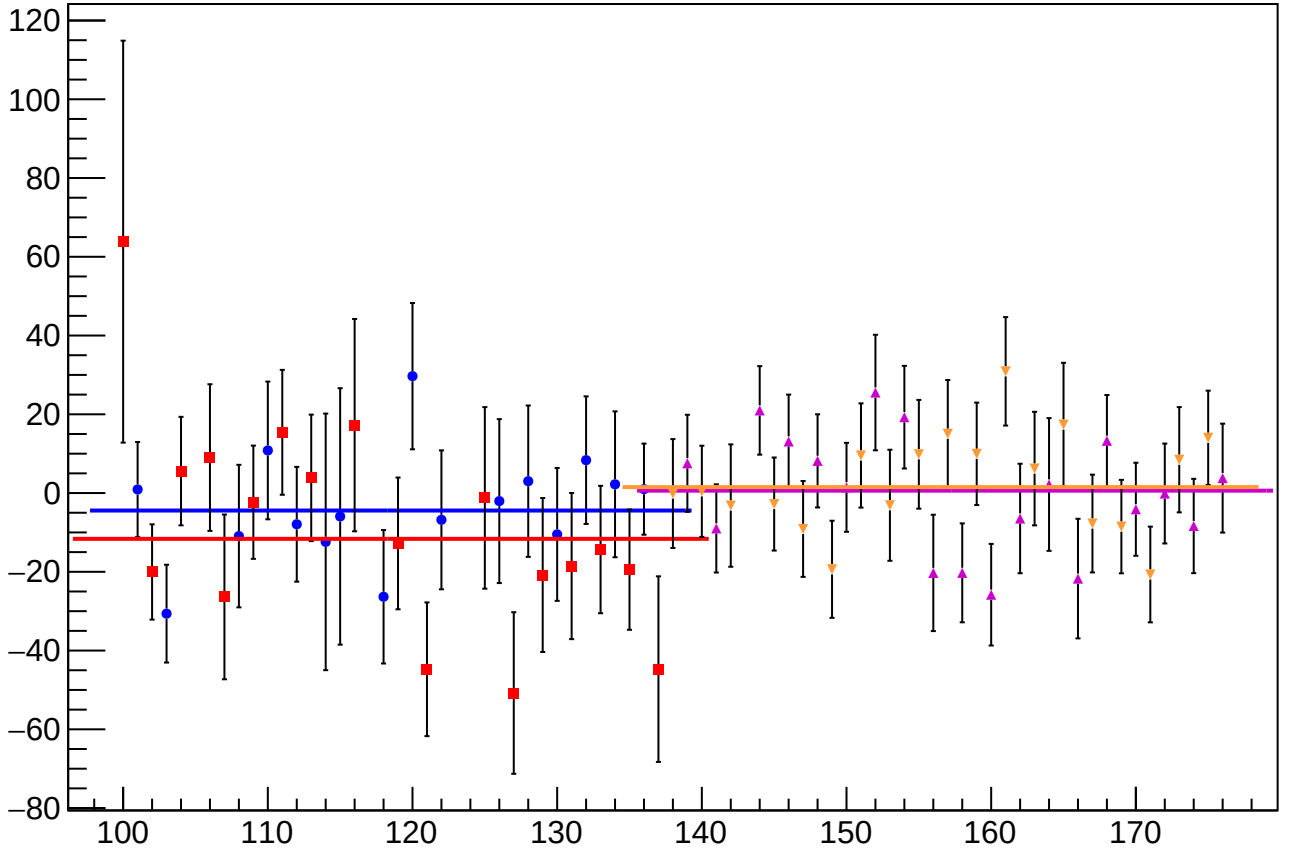
Left In: 179.984+/-0.034 χ^2/NDF:1635498.2/18

+ sign 203.852+/-0.032 χ^2/NDF: 2337664.9/34

All: 188.488+/-0.021 χ^2/NDF: 6007881.7/71

- sign 176.795+/-0.028 χ^2/NDF: 3261074.1/36

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.511+/-2.993 χ^2/NDF:17.8/18

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

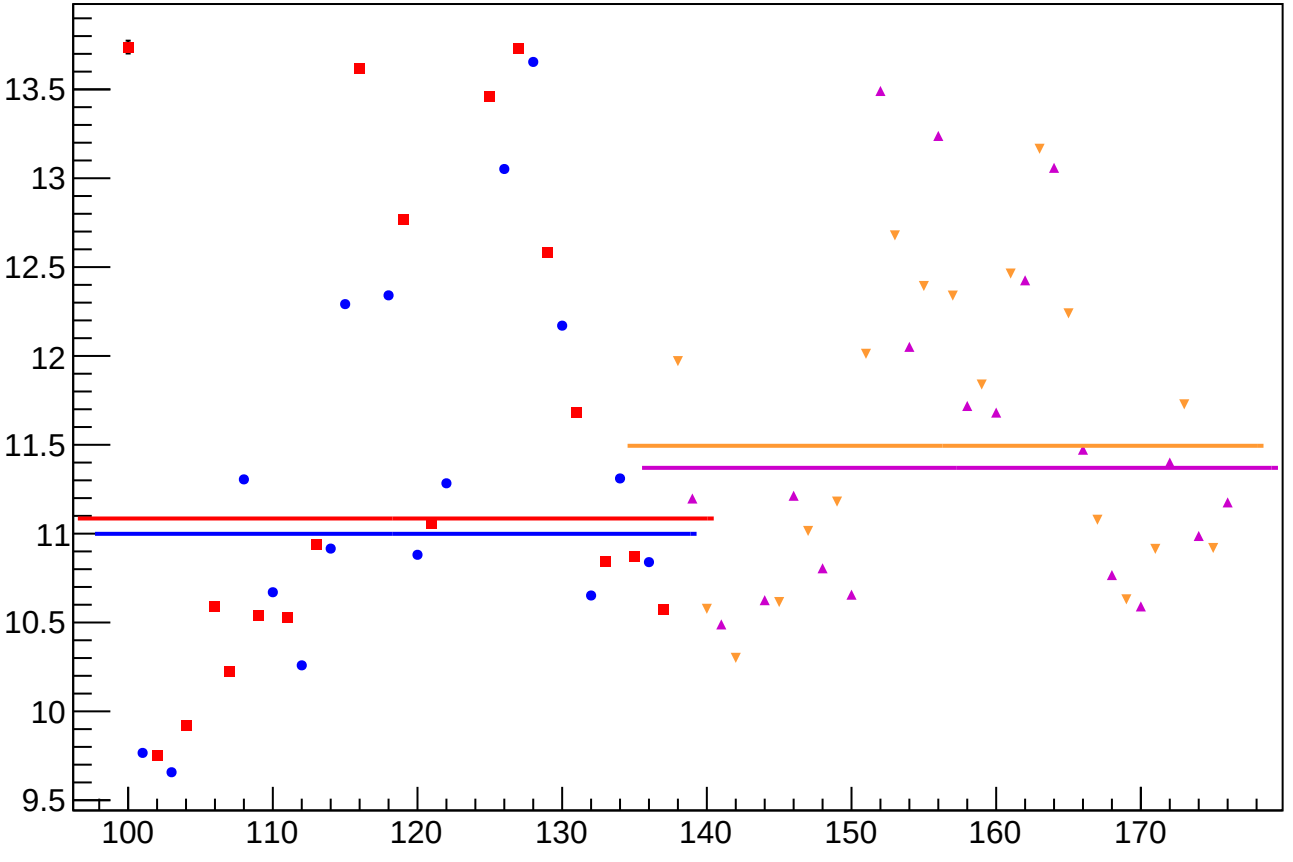
Left In: 0.609+/-2.911 χ^2/NDF:24.1/18

+ sign -0.537+/-2.423 χ^2/NDF: 31.1/34

All: -2.016+/-1.698 χ^2/NDF: 83.5/71

- sign -3.444+/-2.381 χ^2/NDF: 51.6/36

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.494+/-0.002 χ^2/NDF:140846.2/18

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

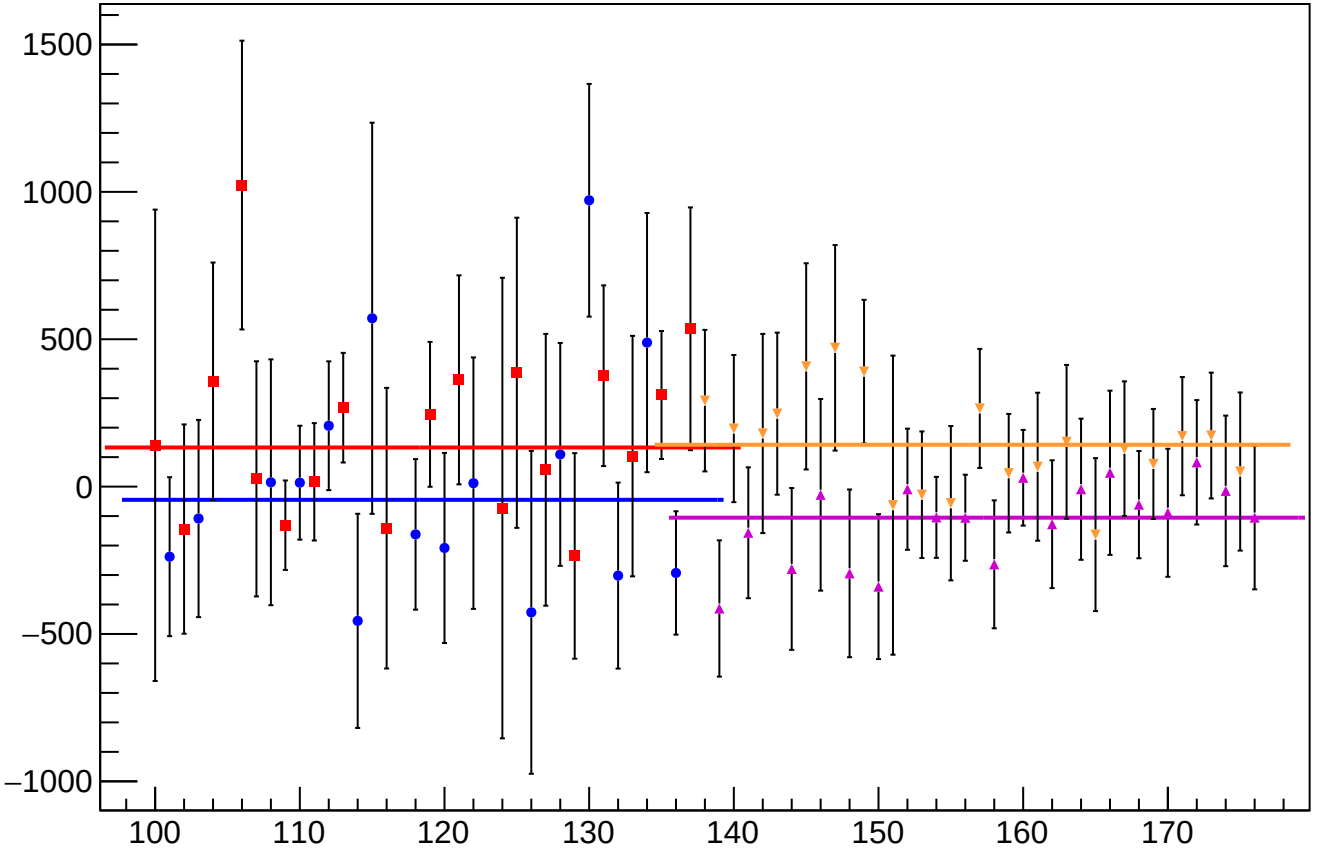
Left In: 11.370+/-0.002 χ^2/NDF:164614.2/18

+ sign 11.324+/-0.002 χ^2/NDF: 295872.3/34

All: 11.299+/-0.001 χ^2/NDF: 629440.2/71

- sign 11.276+/-0.002 χ^2/NDF: 333168.0/36

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 141.981+/-54.883 χ^2/NDF:6.8/19

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

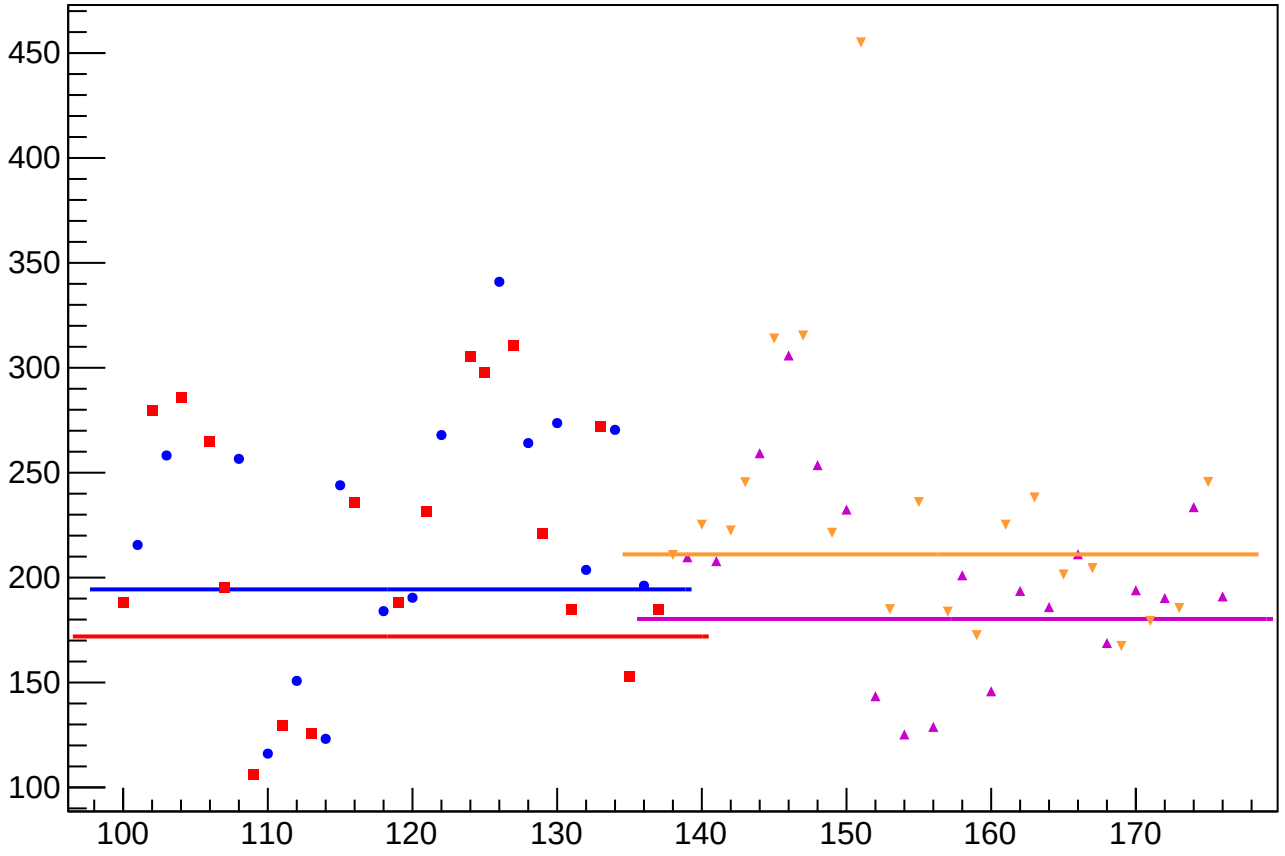
Left In: -105.407+/-48.172 χ^2/NDF:6.5/18

\+ sign 78.429+/-44.579 χ^2/NDF: 26.2/35

All: 19.606+/-29.505 χ^2/NDF: 56.8/73

\- sign -26.252+/-39.360 χ^2/NDF: 27.5/37

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 211.071+/-0.039 χ^2/NDF:1269333.6/19

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

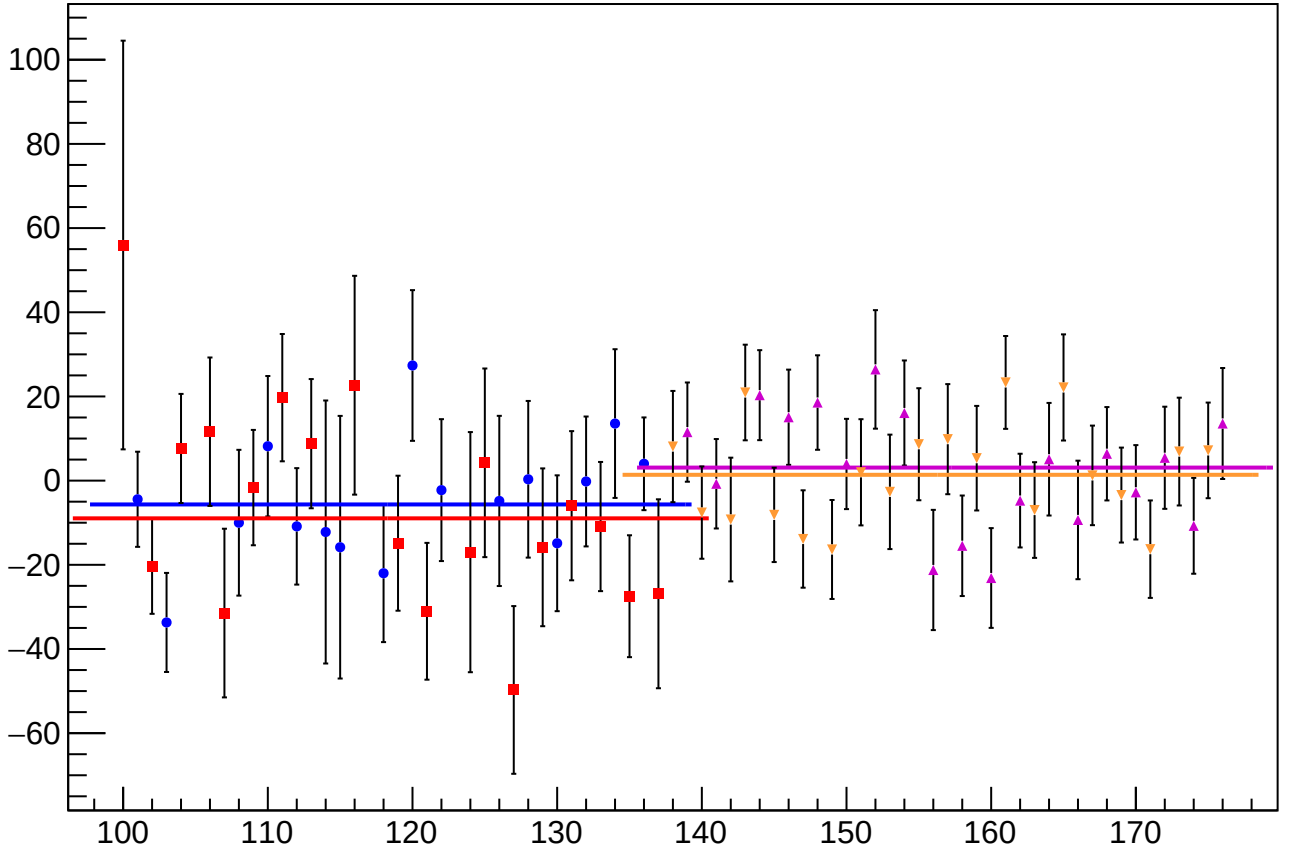
Left In: 180.282+/-0.034 χ^2/NDF:1636042.8/18

+ sign 205.394+/-0.032 χ^2/NDF: 2374257.5/35

All: 189.726+/-0.021 χ^2/NDF: 6121179.3/73

- sign 177.512+/-0.028 χ^2/NDF: 3307278.2/37

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.383+/-2.699 χ^2/NDF:20.2/19

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

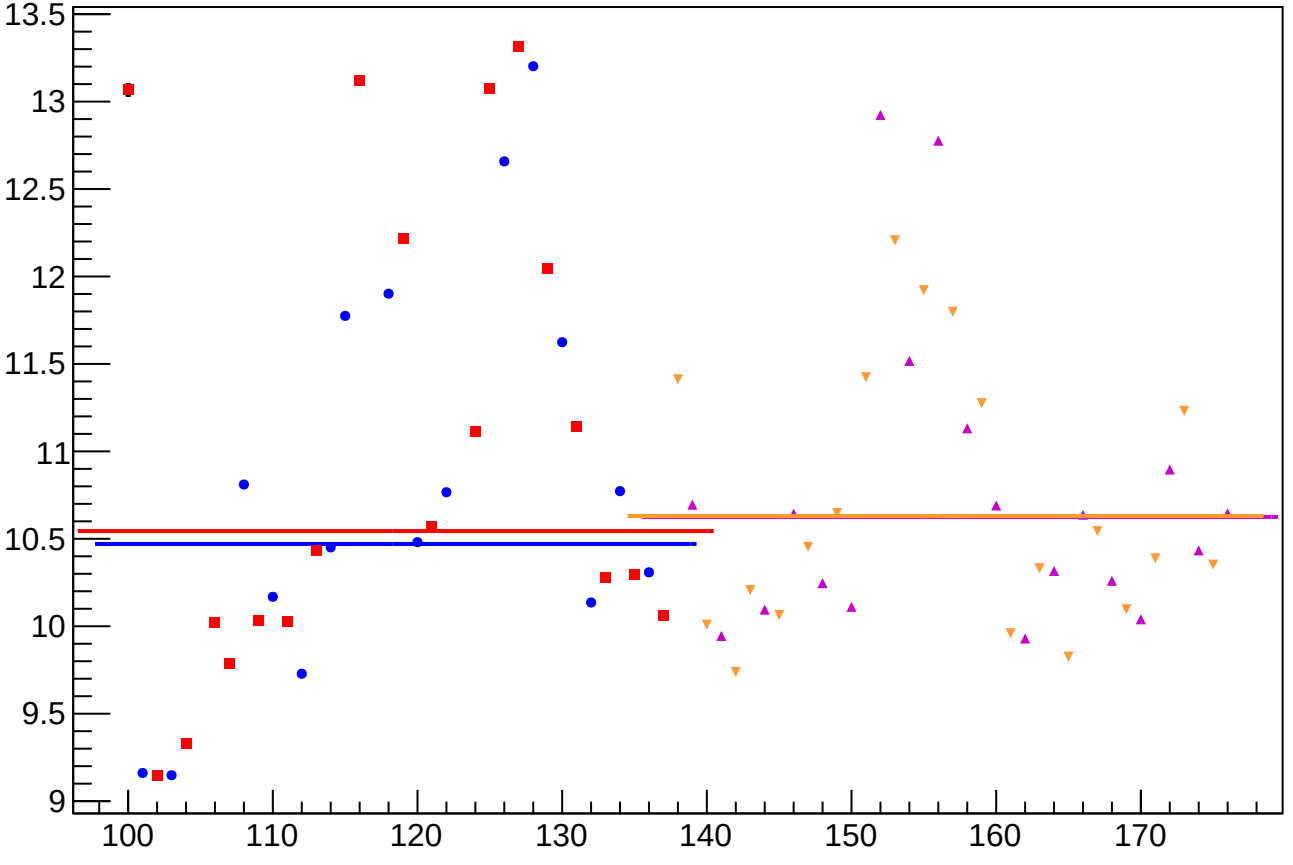
Left In: 3.098+/-2.724 χ^2/NDF:24.1/18

+ sign -0.866+/-2.226 χ^2/NDF: 36.1/35

All: -0.860+/-1.577 χ^2/NDF: 89.4/73

- sign -0.854+/-2.233 χ^2/NDF: 53.3/37

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.630+/-0.002 χ^2/NDF:132062.9/19

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

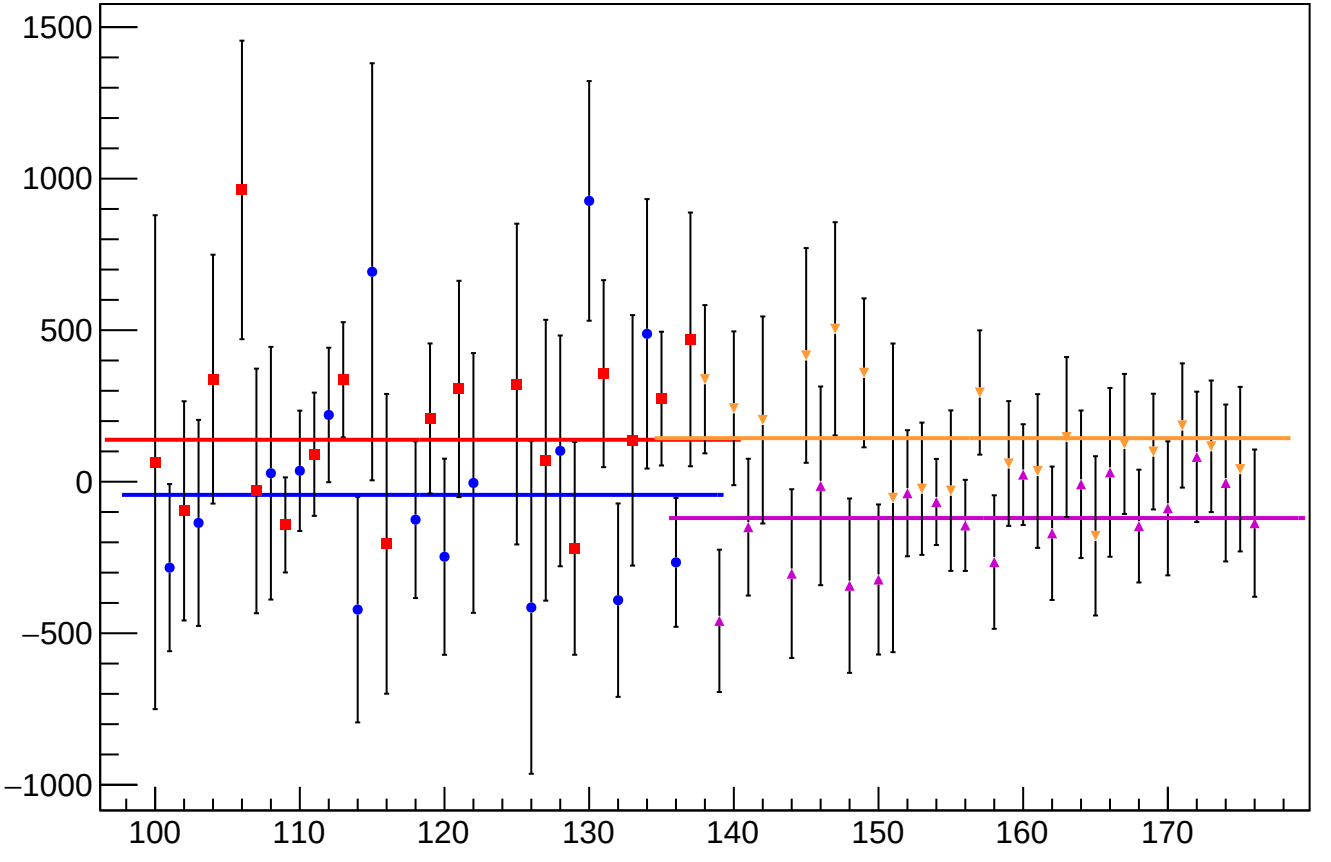
Left In: 10.625+/-0.002 χ^2/NDF:150670.6/18

+ sign 10.579+/-0.002 χ^2/NDF: 291669.2/35

All: 10.589+/-0.001 χ^2/NDF: 629772.8/73

- sign 10.599+/-0.002 χ^2/NDF: 338028.4/37

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 143.731+/-56.878 χ^2/NDF:7.0/18

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

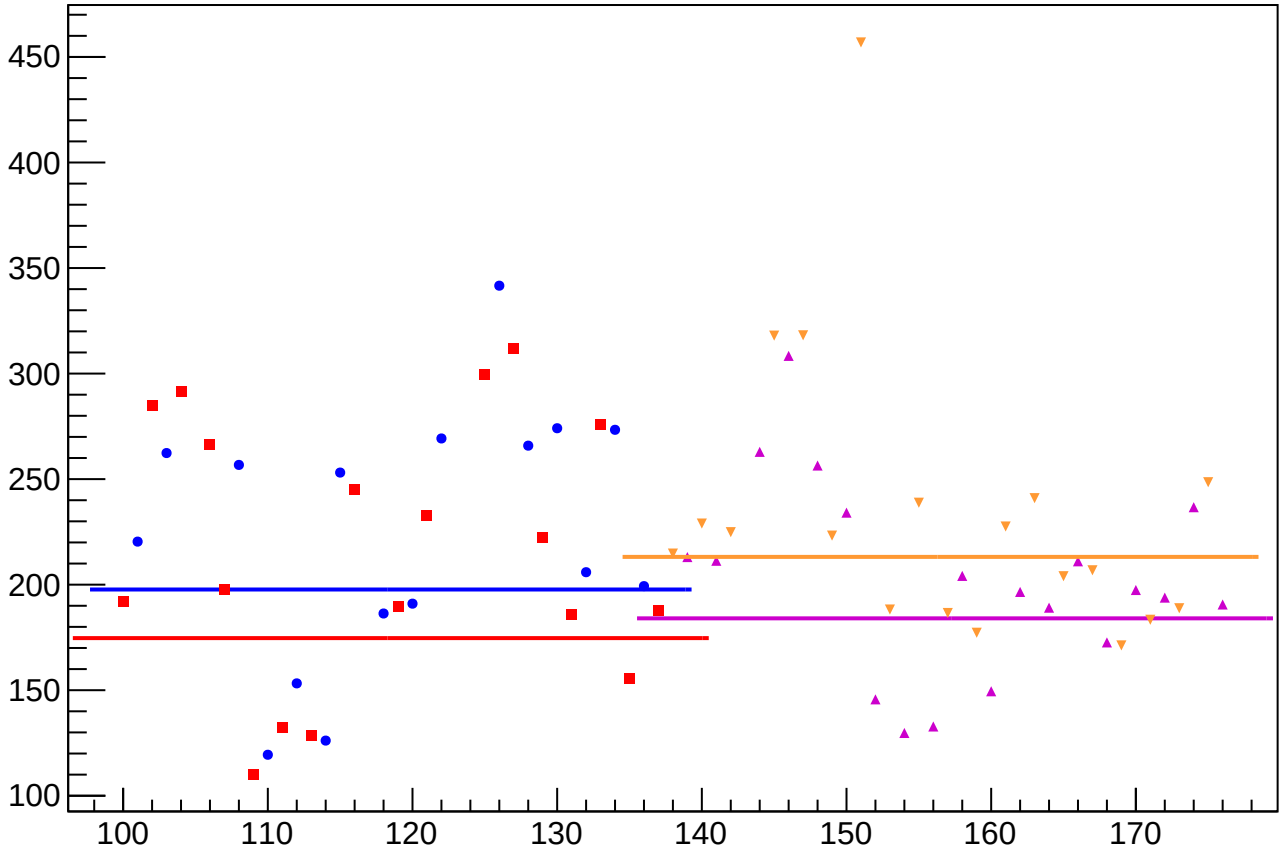
Left In: -119.886+/-49.074 χ^2/NDF:7.1/18

+ sign 78.320+/-45.872 χ^2/NDF: 26.3/34

All: 14.451+/-30.213 χ^2/NDF: 57.4/71

- sign -34.482+/-40.152 χ^2/NDF: 27.7/36

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 213.156+/-0.040 χ^2/NDF:1194912.1/18

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

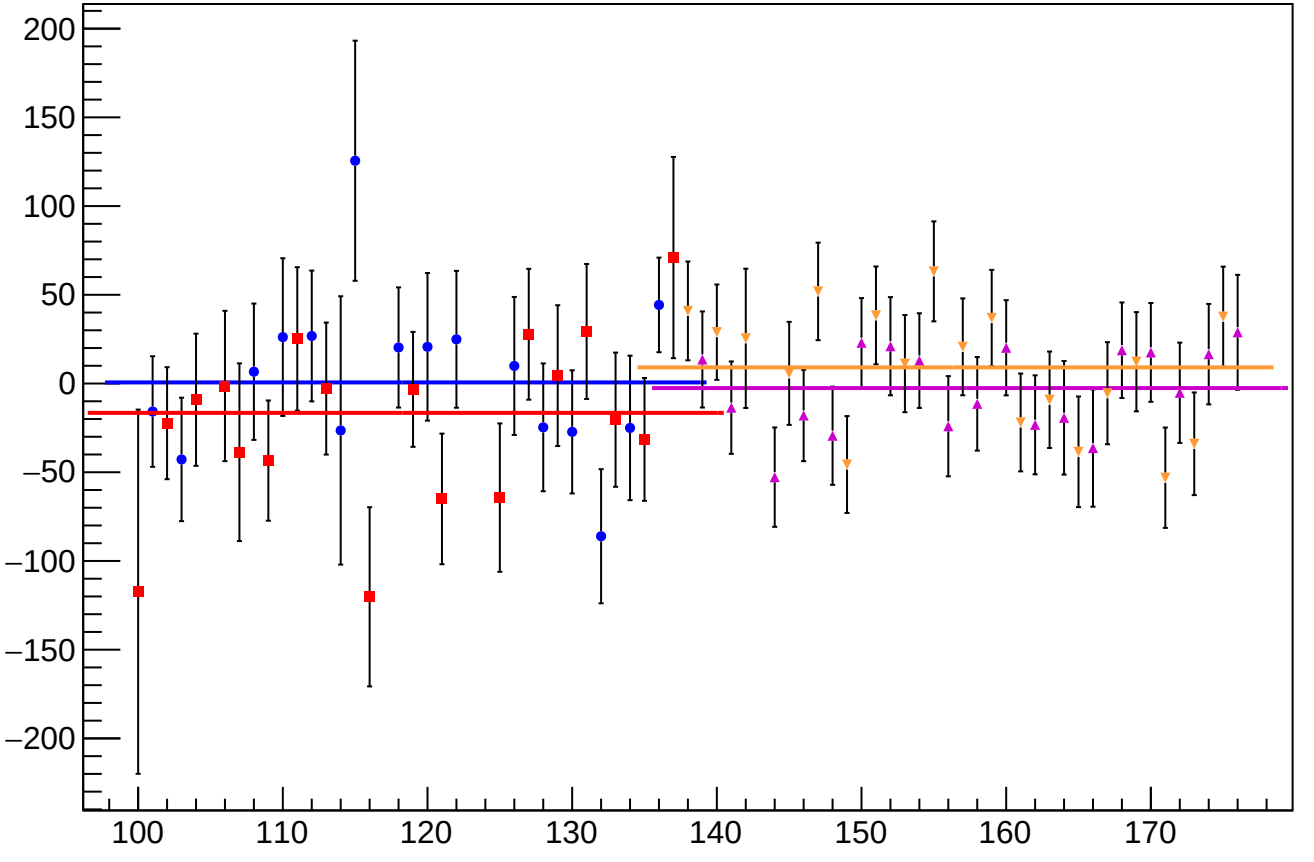
Left In: 184.039+/-0.035 χ^2/NDF:1541633.2/18

+ sign 207.756+/-0.032 χ^2/NDF: 2246818.0/34

All: 192.575+/-0.021 χ^2/NDF: 5734104.5/71

- sign 180.945+/-0.028 χ^2/NDF: 3100435.8/36

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 9.096+/-6.499 χ^2/NDF:26.9/18

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

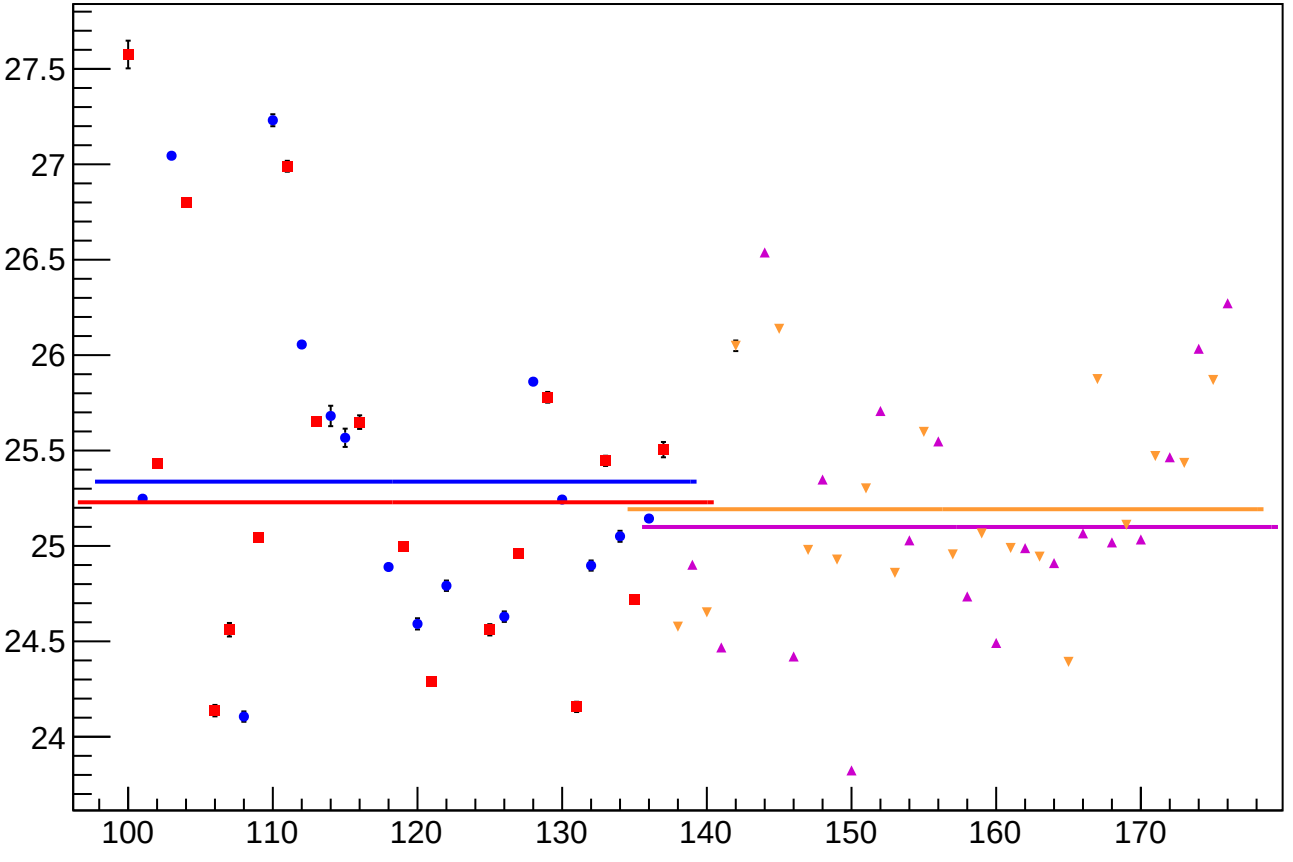
Left In: -2.562+/-6.375 χ^2/NDF:13.0/18

+ sign 6.363+/-5.349 χ^2/NDF: 44.2/34

All: -0.444+/-3.750 χ^2/NDF: 78.3/71

- sign -7.024+/-5.260 χ^2/NDF: 30.9/36

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.192+/-0.005 χ^2/NDF:10328.5/18

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

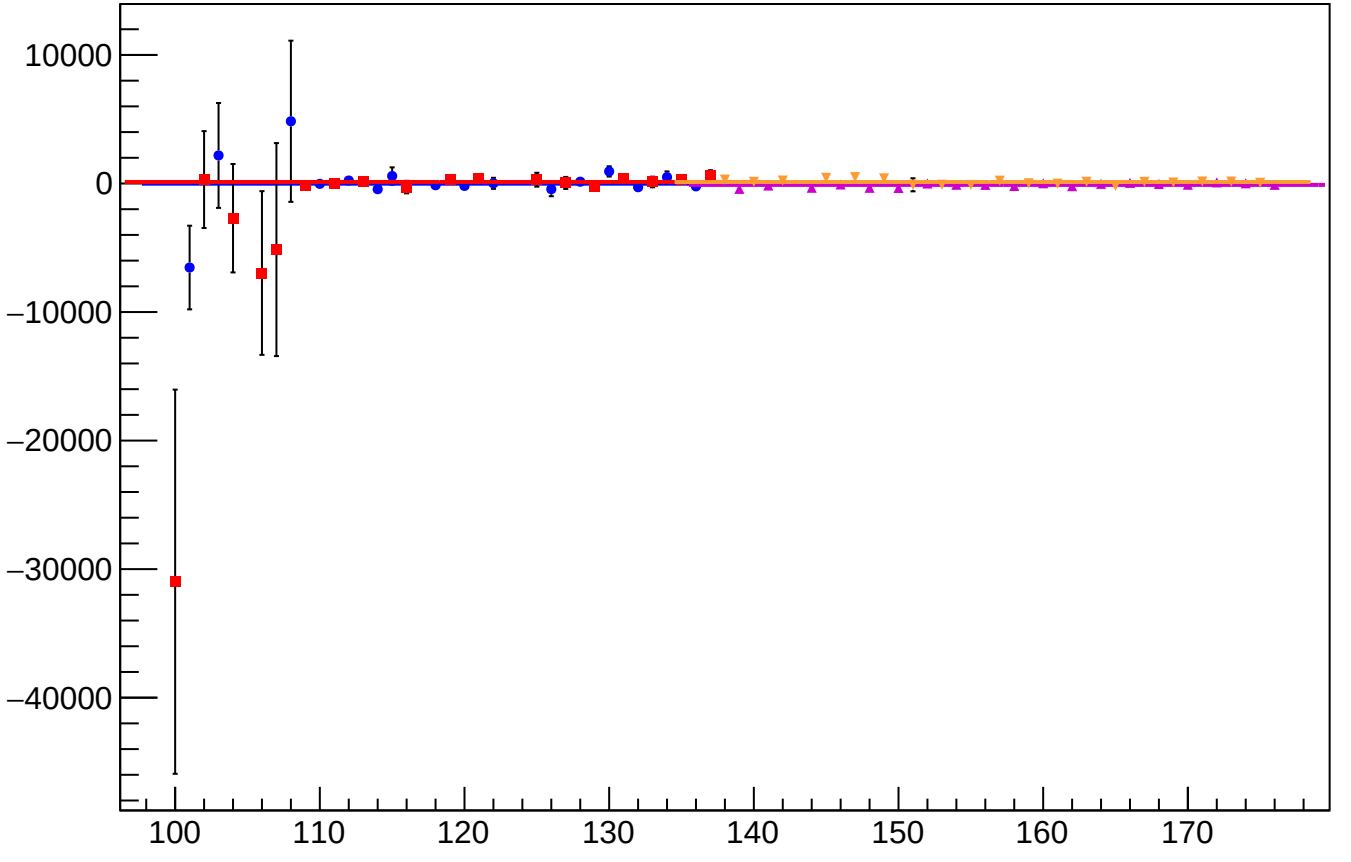
Left In: 25.099+/-0.005 χ^2/NDF:21412.6/18

+ sign 25.239+/-0.004 χ^2/NDF: 24962.7/34

All: 25.189+/-0.003 χ^2/NDF: 62158.0/71

- sign 25.141+/-0.004 χ^2/NDF: 36851.8/36

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 114.446+/-57.221 χ^2/NDF:7.9/18

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

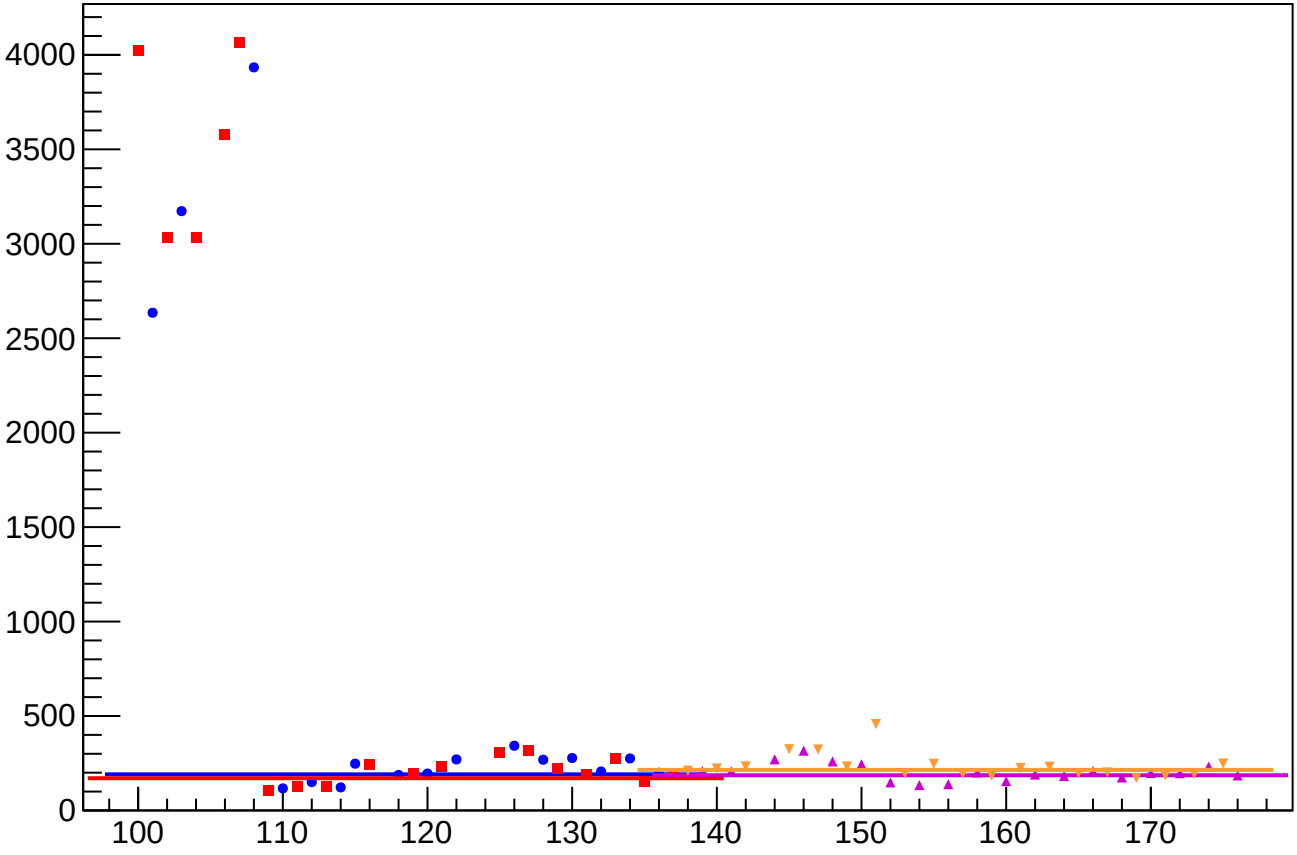
Left In: -107.674+/-49.562 χ^2/NDF:6.7/18

+ sign 74.297+/-47.372 χ^2/NDF: 27.8/34

All: 8.731+/-31.372 χ^2/NDF: 58.4/71

- sign -42.489+/-41.870 χ^2/NDF: 27.2/36

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 214.645+/-0.040 χ^2/NDF:1167604.7/18

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

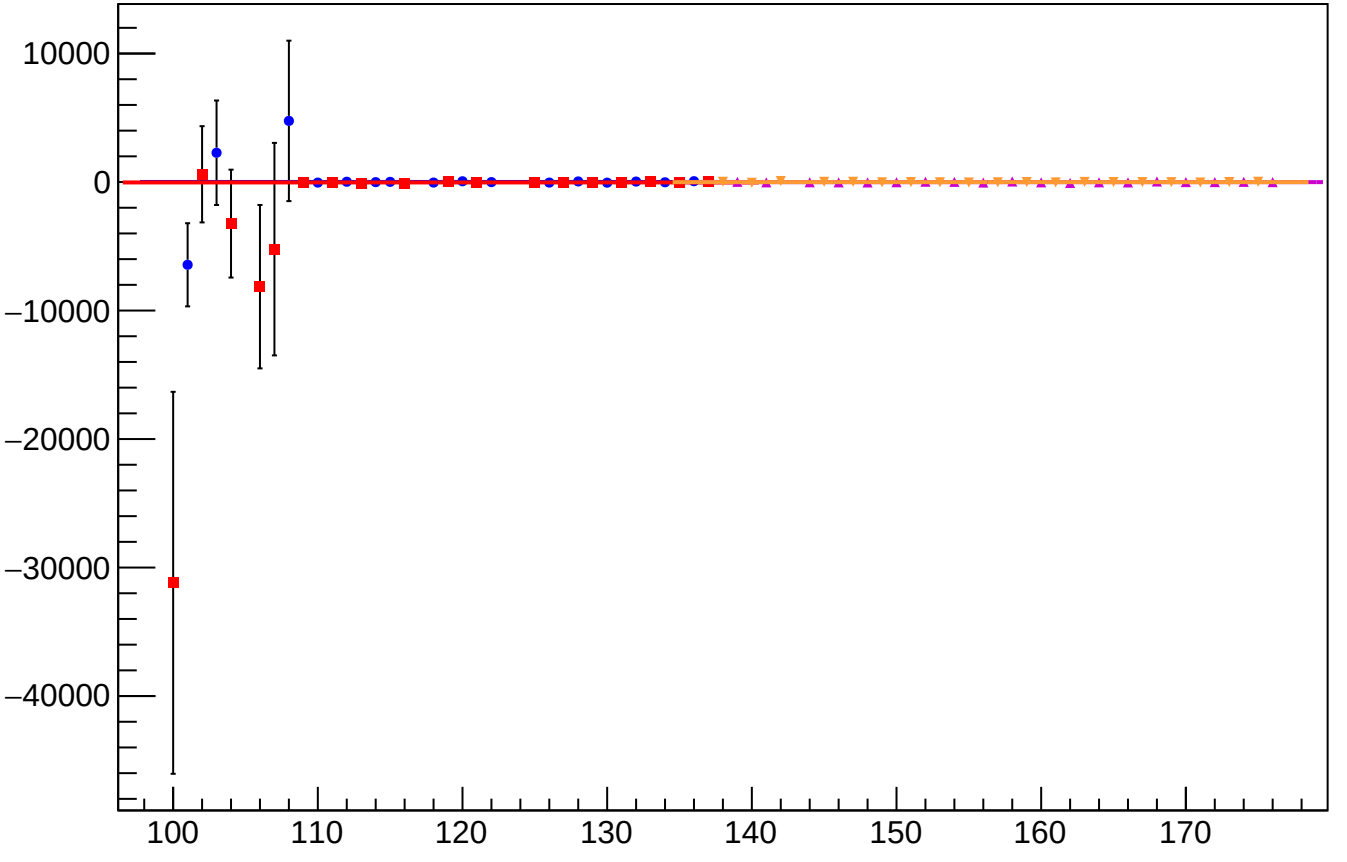
Left In: 186.378+/-0.035 χ^2/NDF:1404853.8/18

+ sign 207.227+/-0.033 χ^2/NDF: 5108366.4/34

All: 192.969+/-0.022 χ^2/NDF: 11149603.5/71

- sign 181.830+/-0.030 χ^2/NDF: 5718497.4/36

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.013+/-7.437 χ^2/NDF:12.4/18

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

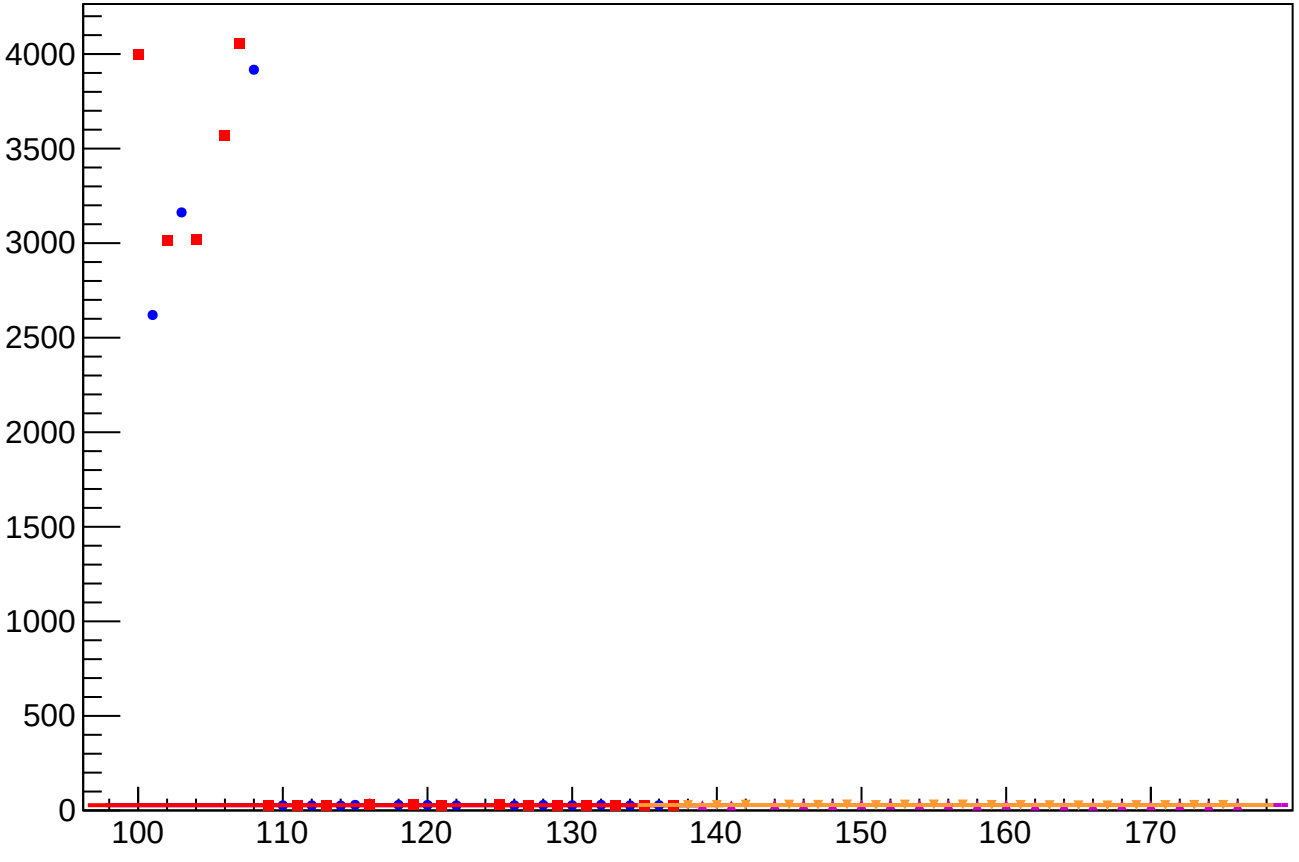
Left In: -6.672+/-7.312 χ^2/NDF:16.7/18

+ sign -3.158+/-6.286 χ^2/NDF: 31.7/34

All: -8.164+/-4.434 χ^2/NDF: 72.5/71

- sign -13.122+/-6.256 χ^2/NDF: 39.5/36

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.779+/-0.005 χ^2/NDF:72710.8/18

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

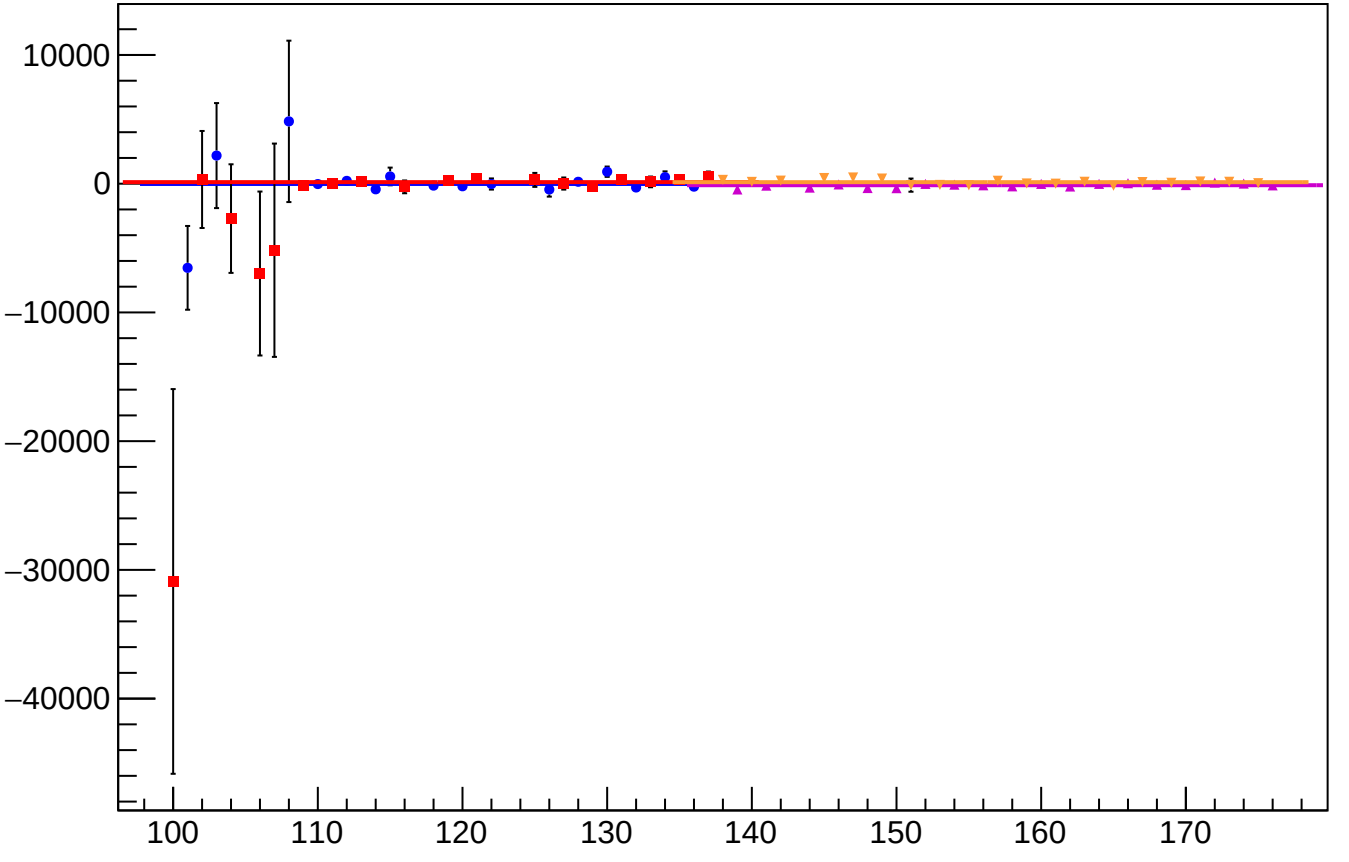
Left In: 28.717+/-0.005 χ^2/NDF:119487.0/18

+ sign 28.506+/-0.004 χ^2/NDF: 3347997.5/34

All: 28.486+/-0.003 χ^2/NDF: 7034765.7/71

- sign 28.466+/-0.004 χ^2/NDF: 3686726.1/36

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 118.339+/-57.694 χ^2/NDF:7.7/18

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

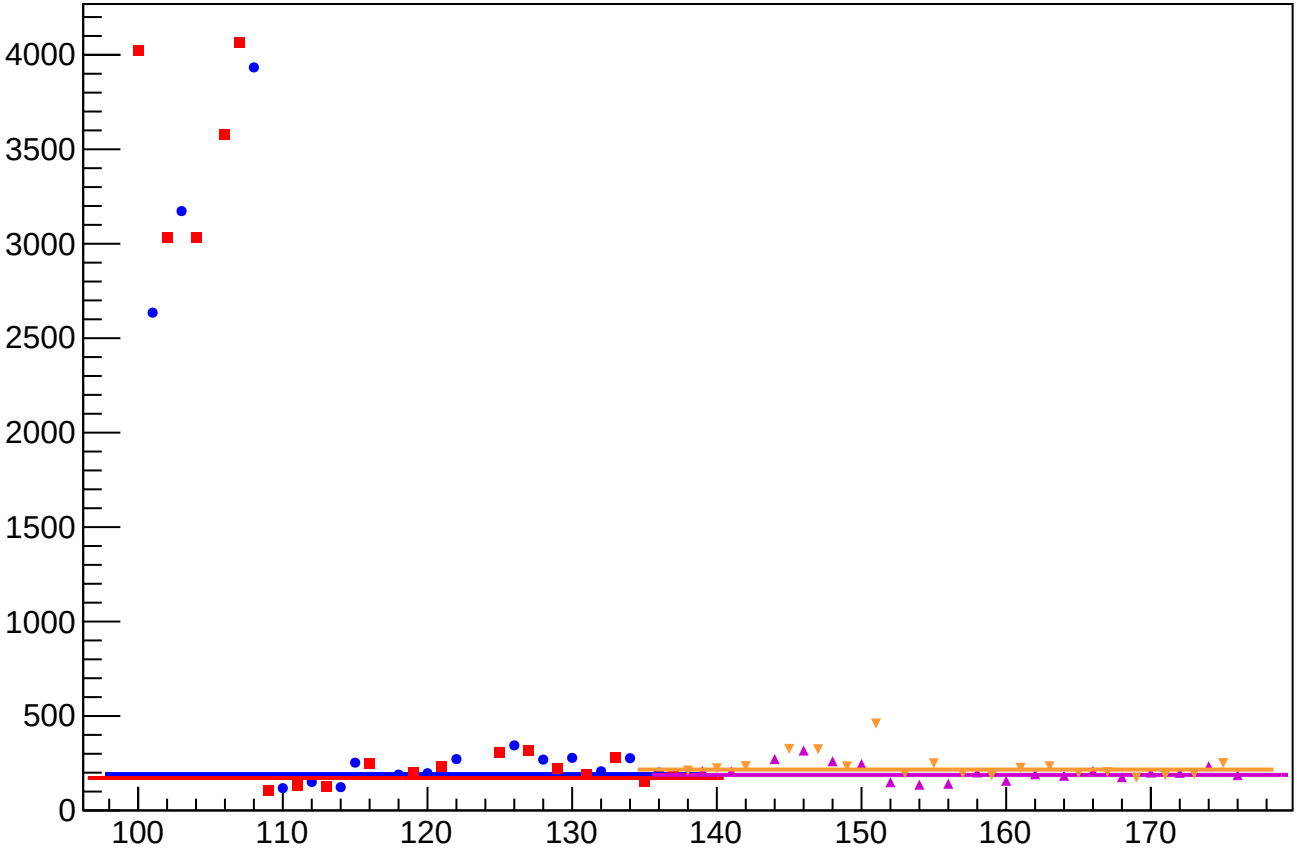
Left In: -117.452+/-50.032 χ^2/NDF:6.6/18

+ sign 74.902+/-47.748 χ^2/NDF: 27.6/34

All: 5.491+/-31.639 χ^2/NDF: 57.8/71

- sign -48.841+/-42.244 χ^2/NDF: 26.4/36

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 216.517+/-0.041 χ^2/NDF:1149876.0/18

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

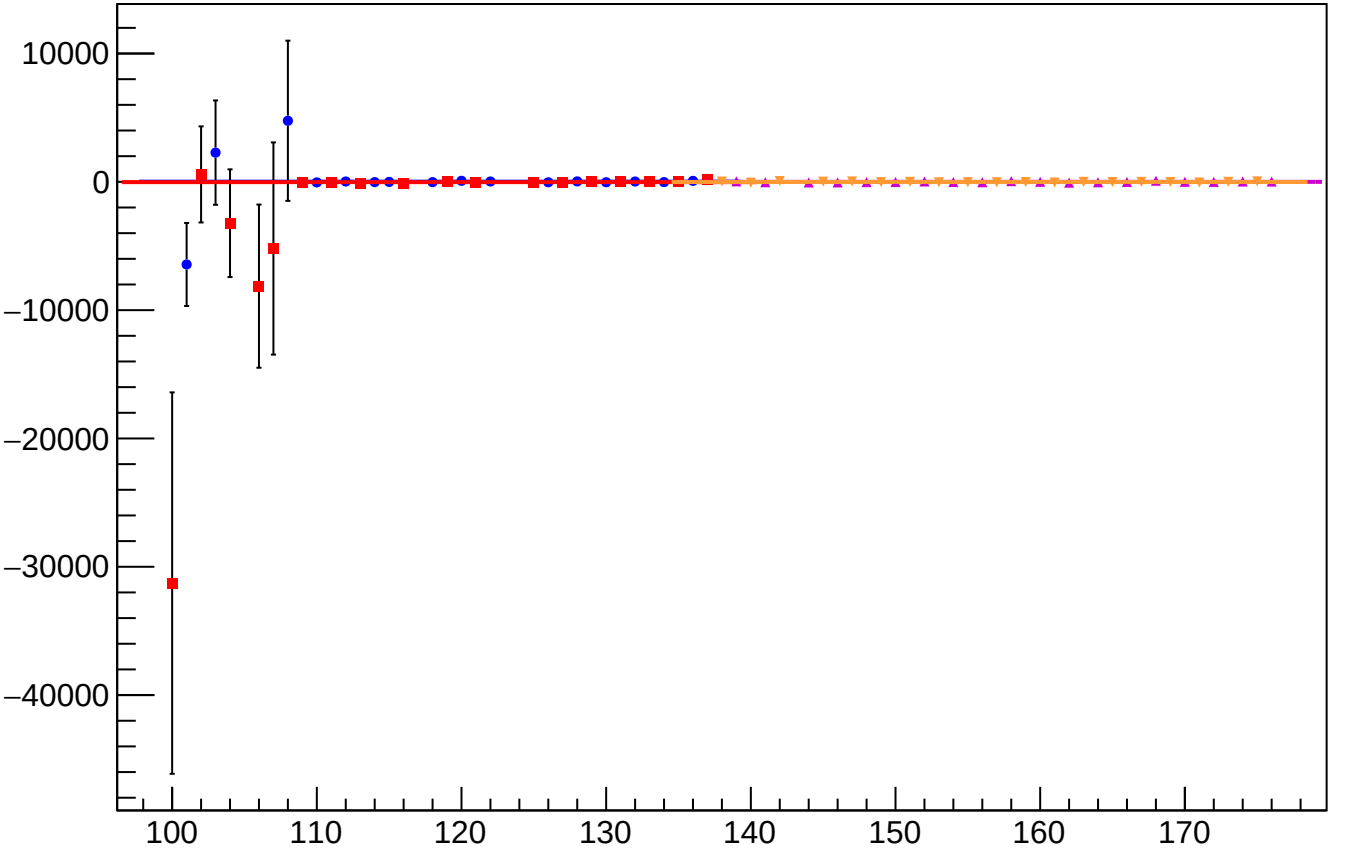
Left In: 188.299+/-0.035 χ^2/NDF:1364198.0/18

+ sign 208.968+/-0.034 χ^2/NDF: 5081317.8/34

All: 194.733+/-0.022 χ^2/NDF: 11071919.5/71

- sign 183.591+/-0.030 χ^2/NDF: 5673690.1/36

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -12.872+/-8.040 χ^2/NDF:14.9/18

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

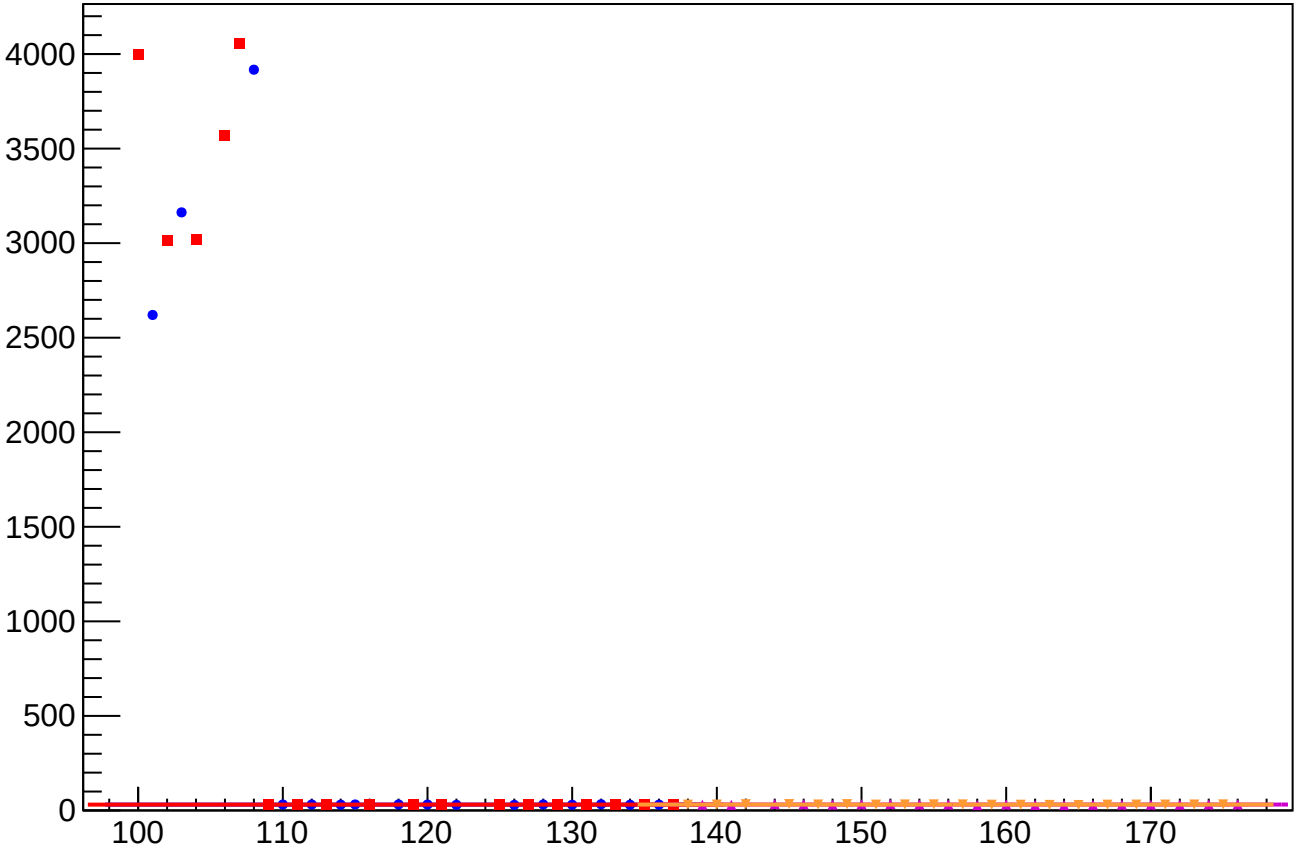
Left In: -0.155+/-7.958 χ^2/NDF:23.7/18

+ sign -5.567+/-6.847 χ^2/NDF: 33.4/34

All: -5.702+/-4.839 χ^2/NDF: 87.4/71

- sign -5.837+/-6.840 χ^2/NDF: 54.0/36

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.138+/-0.006 χ^2/NDF:43224.1/18

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

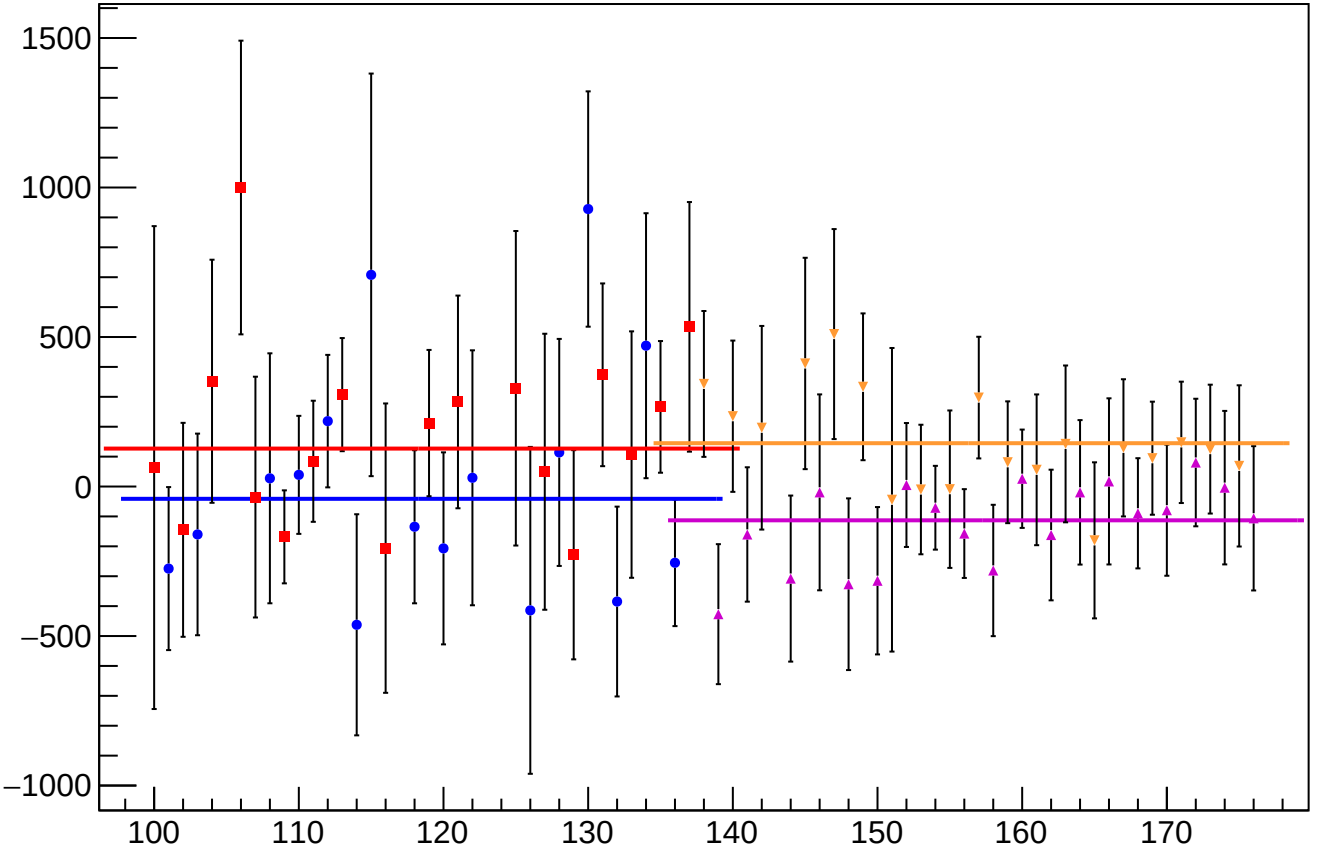
Left In: 31.277+/-0.006 χ^2/NDF:80577.4/18

+ sign 31.080+/-0.005 χ^2/NDF: 3296204.0/34

All: 31.117+/-0.003 χ^2/NDF: 6914701.2/71

- sign 31.153+/-0.005 χ^2/NDF: 3618382.3/36

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 144.899+/-56.506 χ^2/NDF:6.5/18

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

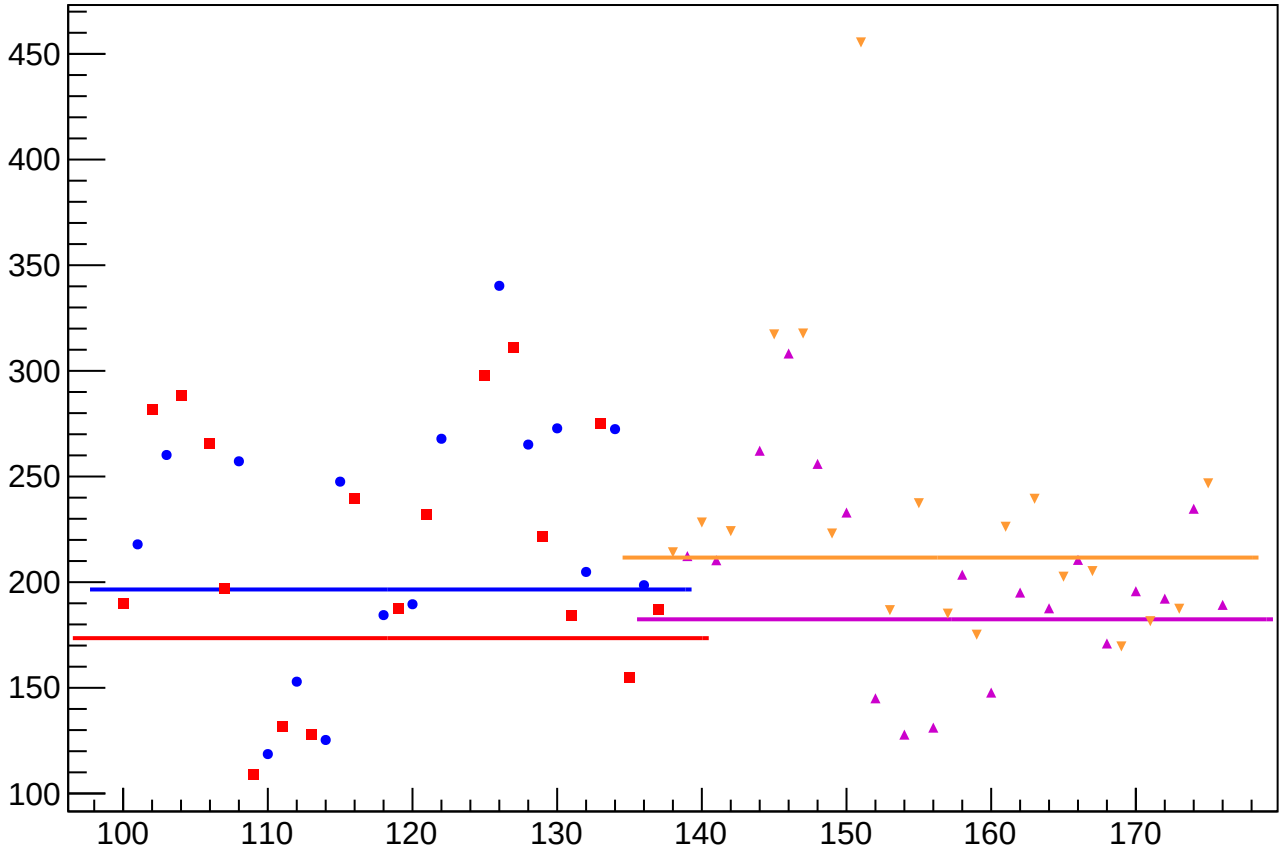
Left In: -113.031+/-48.686 χ^2/NDF:6.9/18

+ sign 79.941+/-45.585 χ^2/NDF: 25.9/34

All: 15.434+/-30.003 χ^2/NDF: 57.2/71

- sign -33.871+/-39.853 χ^2/NDF: 27.7/36

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 211.645+/-0.040 χ^2/NDF:1217141.3/18

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

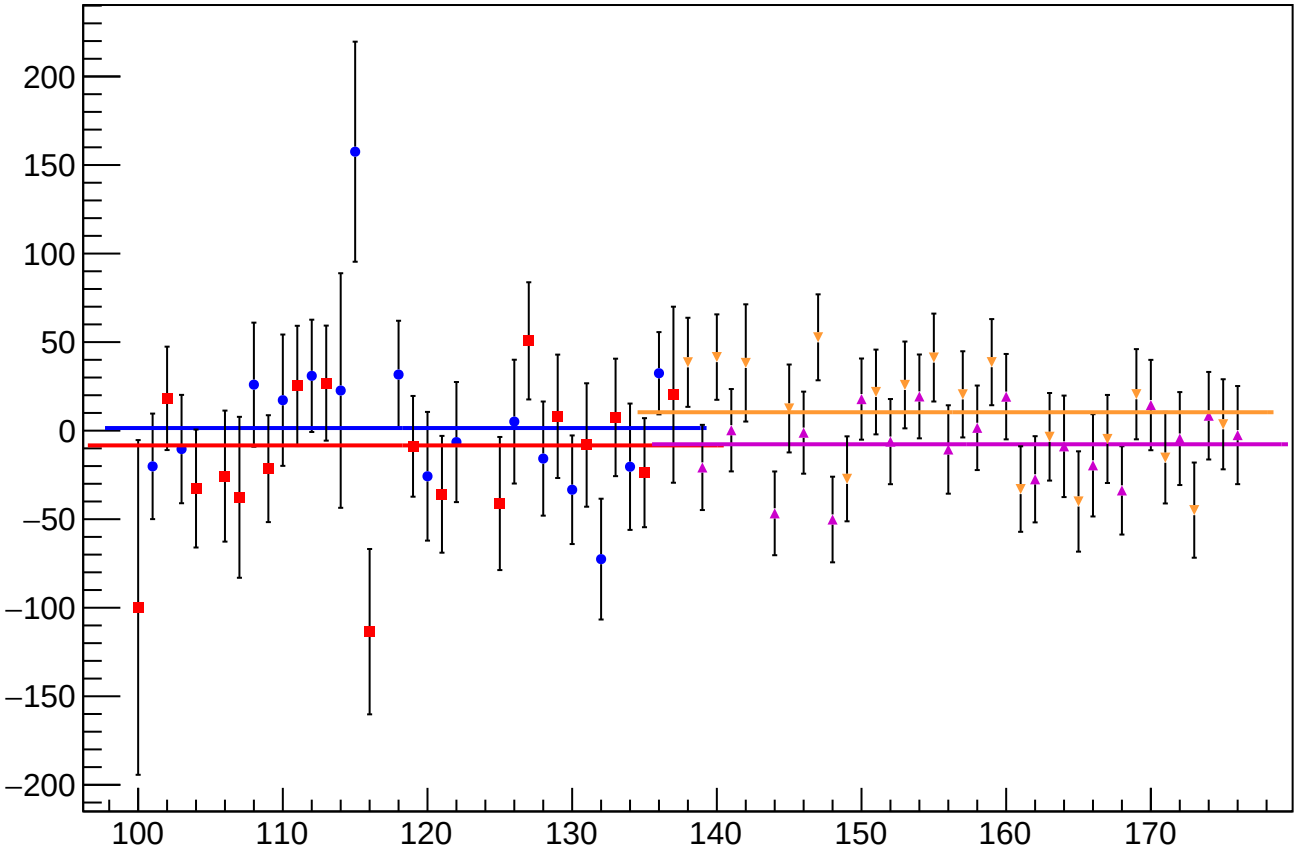
Left In: 182.422+/-0.034 χ^2/NDF:1585406.9/18

+ sign 206.371+/-0.032 χ^2/NDF: 2267804.9/34

All: 191.130+/-0.021 χ^2/NDF: 5802481.8/71

- sign 179.482+/-0.028 χ^2/NDF: 3140242.8/36

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 10.399+/-5.787 χ^2/NDF:25.4/18

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

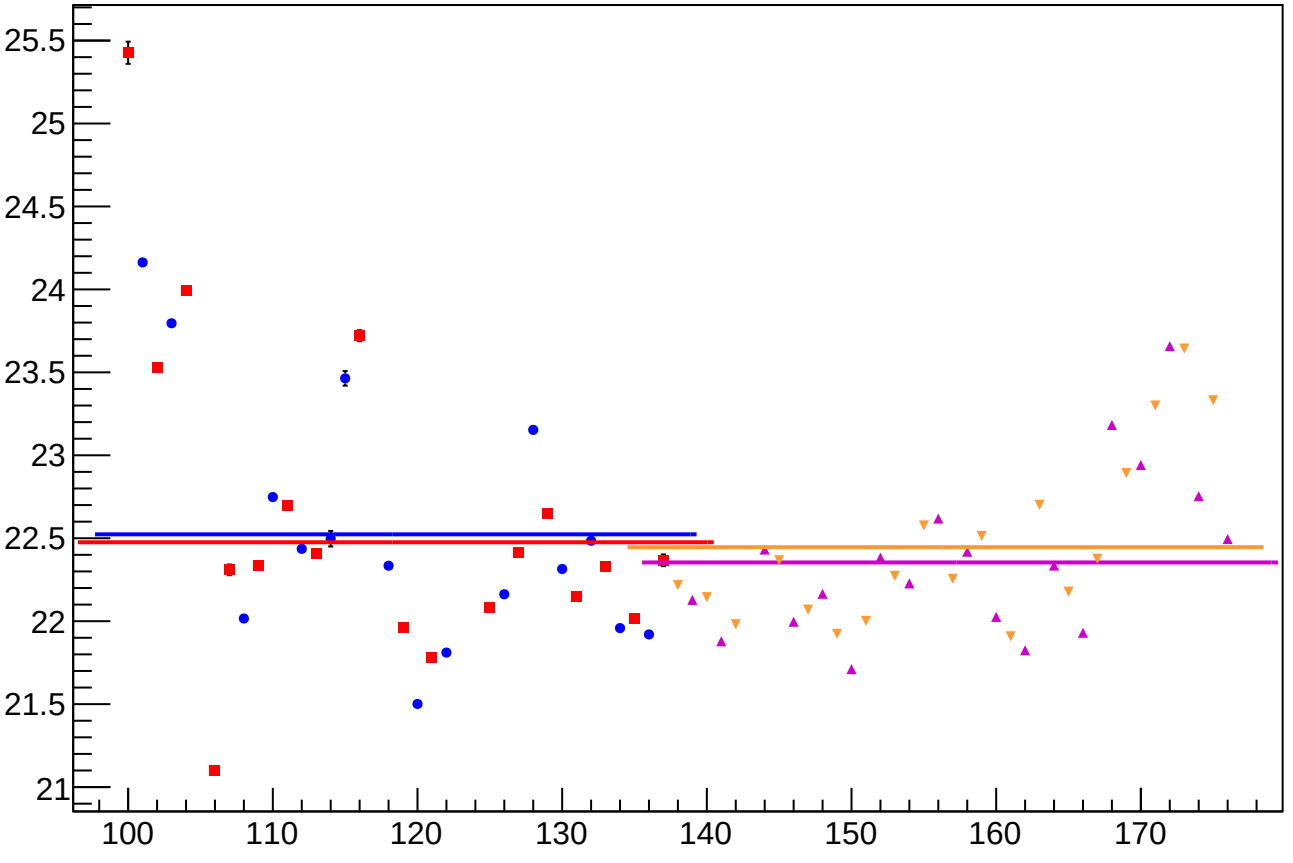
Left In: -7.690+/-5.673 χ^2/NDF:13.4/18

+ sign 7.513+/-4.760 χ^2/NDF: 44.8/34

All: -0.320+/-3.337 χ^2/NDF: 79.6/71

- sign -7.894+/-4.681 χ^2/NDF: 29.4/36

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.446+/-0.004 χ^2/NDF:13890.9/18

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

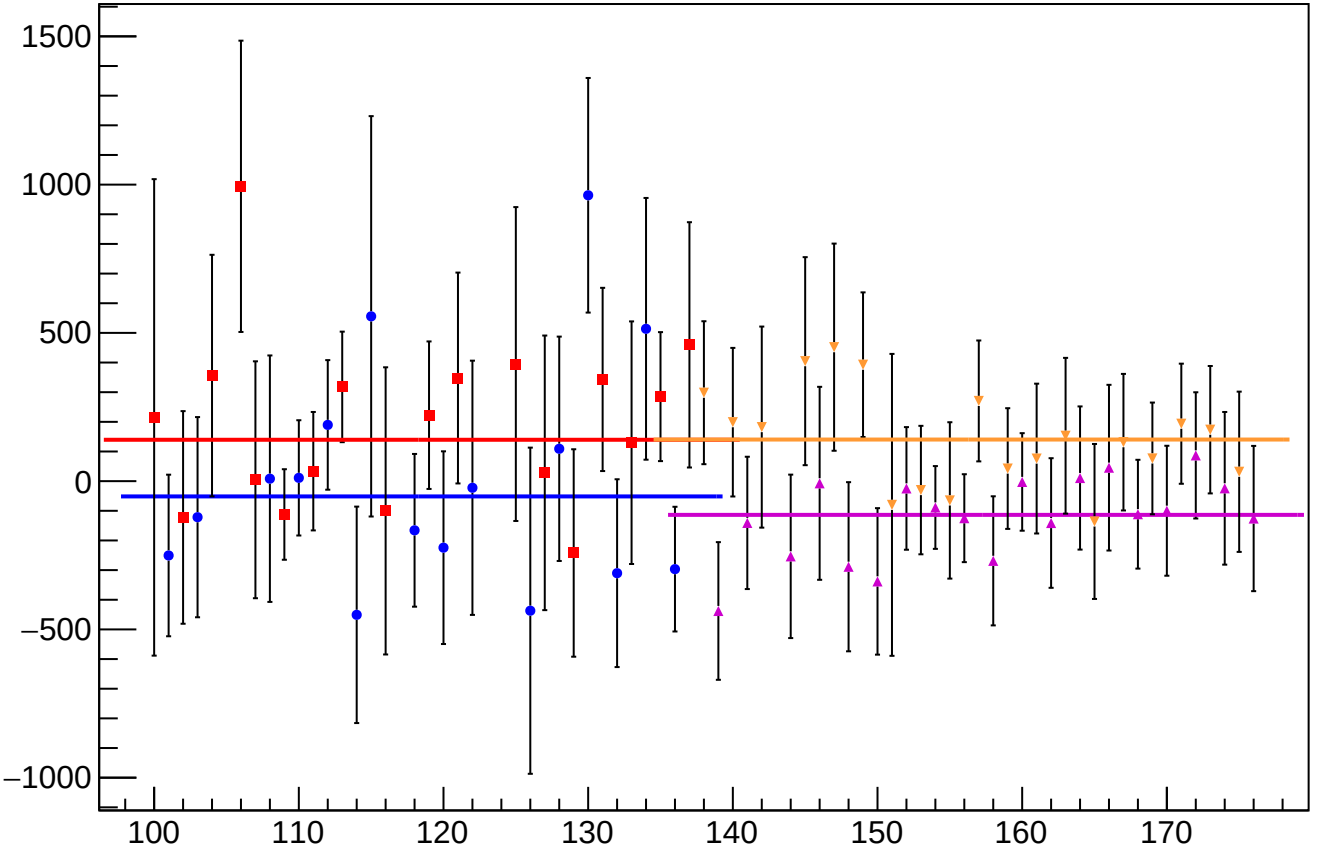
Left In: 22.354+/-0.004 χ^2/NDF:14033.0/18

+ sign 22.471+/-0.003 χ^2/NDF: 29954.2/34

All: 22.431+/-0.002 χ^2/NDF: 60092.0/71

- sign 22.393+/-0.003 χ^2/NDF: 29862.5/36

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 140.325+/-56.404 χ^2/NDF:6.5/18

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

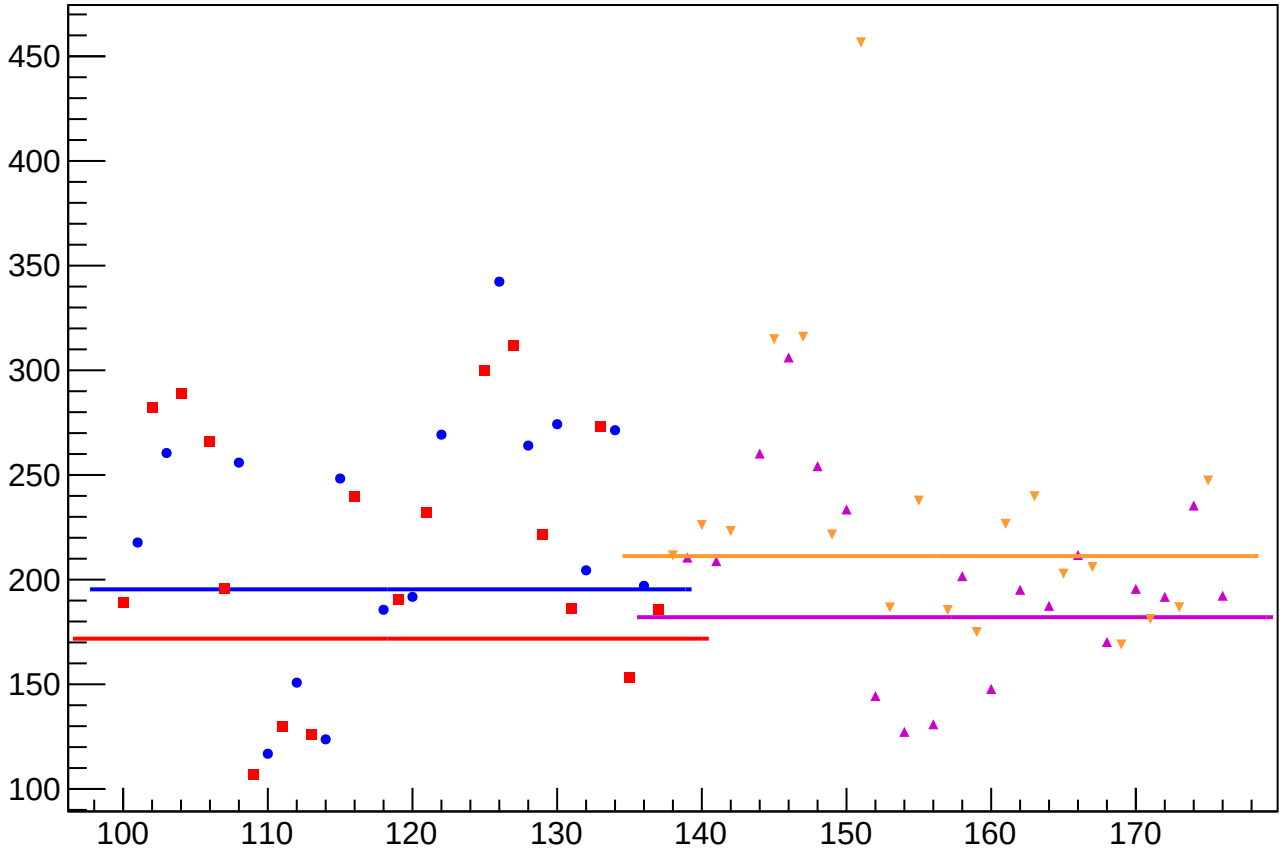
Left In: -113.724+/-48.594 χ^2/NDF:6.3/18

+ sign 73.111+/-45.461 χ^2/NDF: 25.9/34

All: 14.865+/-29.906 χ^2/NDF: 55.7/71

- sign -29.573+/-39.708 χ^2/NDF: 26.9/36

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 211.246+/-0.040 χ^2/NDF:1213908.7/18

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

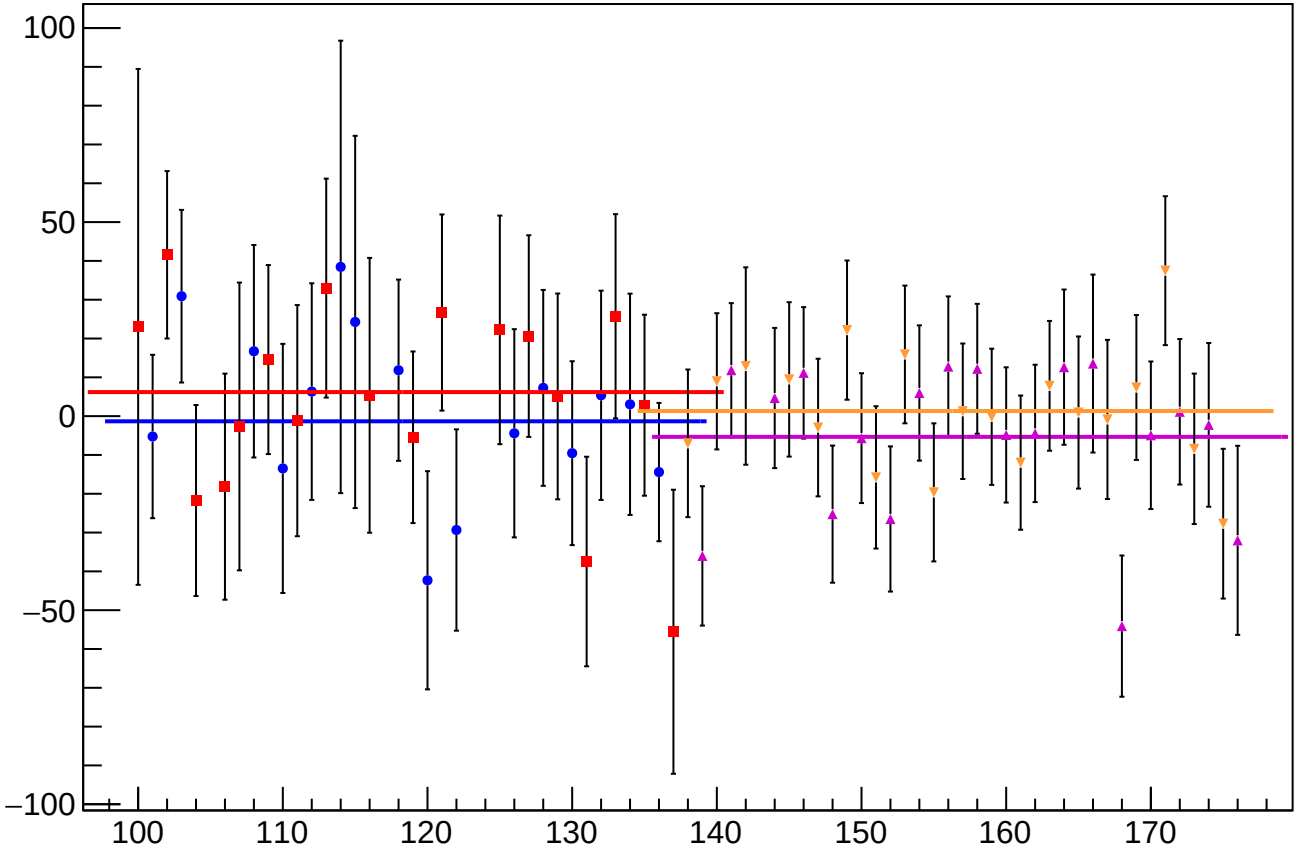
Left In: 182.060+/-0.034 χ^2/NDF:1581063.9/18

+ sign 205.680+/-0.032 χ^2/NDF: 2310927.8/34

All: 190.349+/-0.021 χ^2/NDF: 5923234.4/71

- sign 178.653+/-0.028 χ^2/NDF: 3211323.4/36

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.320+/-4.262 χ^2/NDF:12.0/18

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

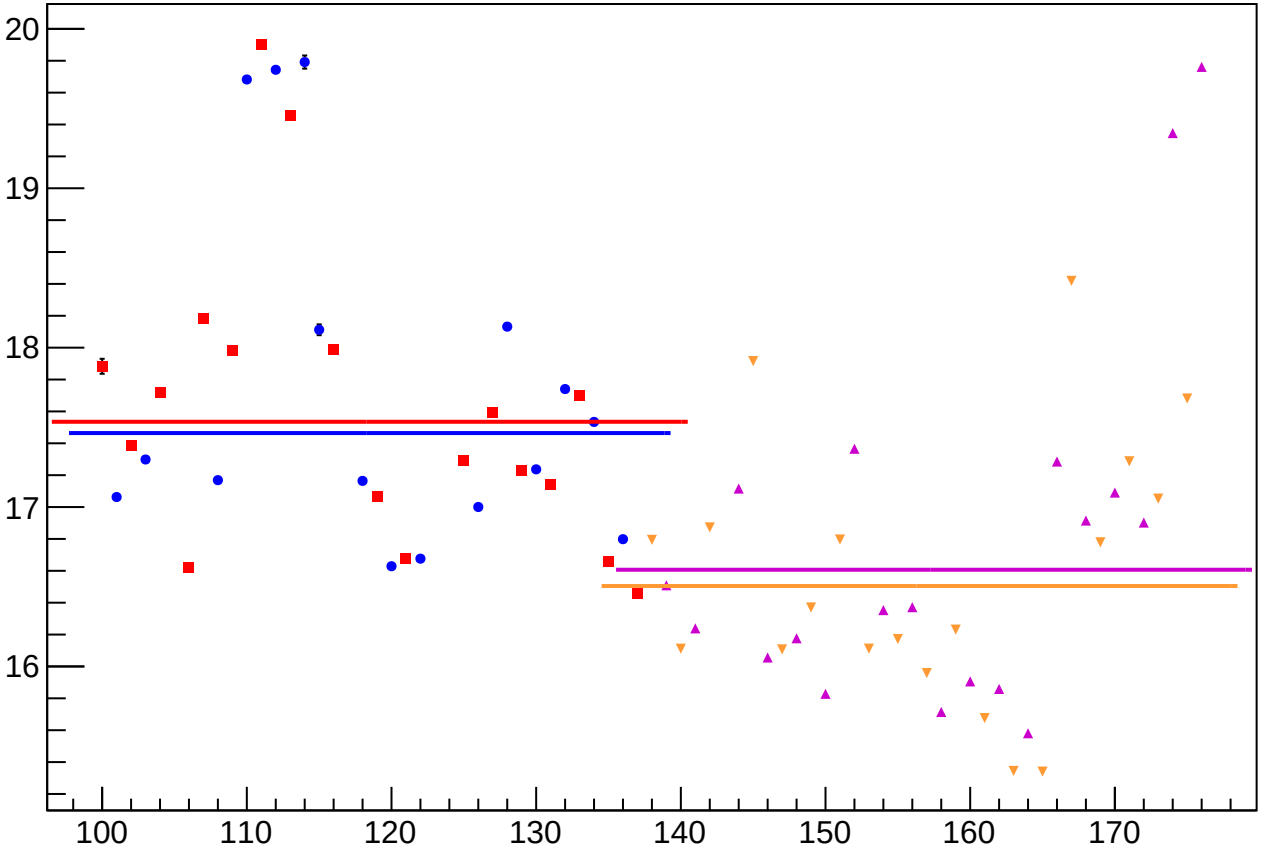
Left In: -5.340+/-4.225 χ^2/NDF:20.2/18

+ sign 0.523+/-3.564 χ^2/NDF: 20.2/34

All: -0.694+/-2.511 χ^2/NDF: 56.3/71

- sign -1.893+/-3.538 χ^2/NDF: 35.9/36

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.505+/-0.003 χ^2/NDF:69209.5/18

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

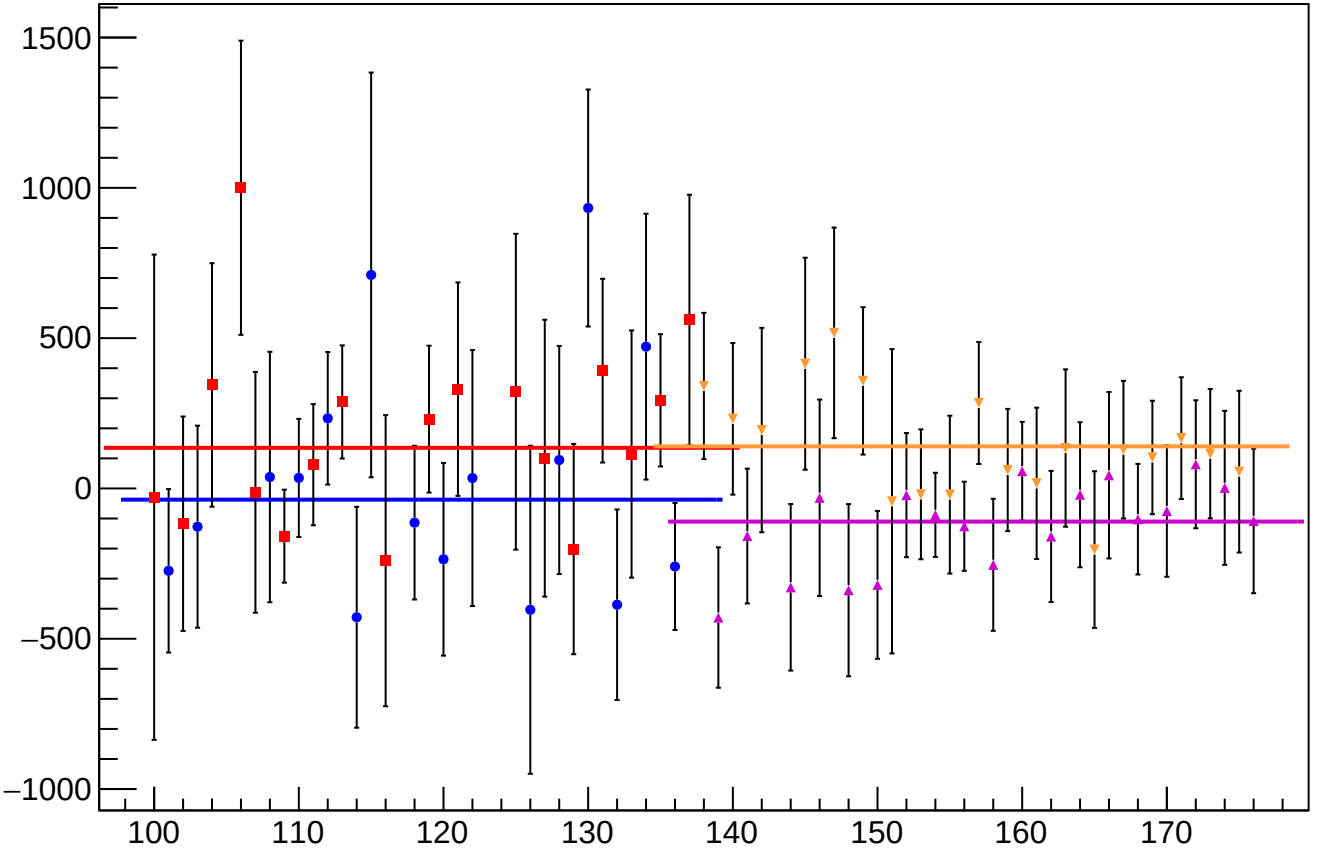
Left In: 16.607+/-0.003 χ^2/NDF:103386.9/18

\+ sign 16.793+/-0.003 χ^2/NDF: 136355.0/34

All: 16.839+/-0.002 χ^2/NDF: 303717.5/71

\- sign 16.884+/-0.003 χ^2/NDF: 166706.5/36

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 140.067+/-56.384 χ^2/NDF:7.2/18

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

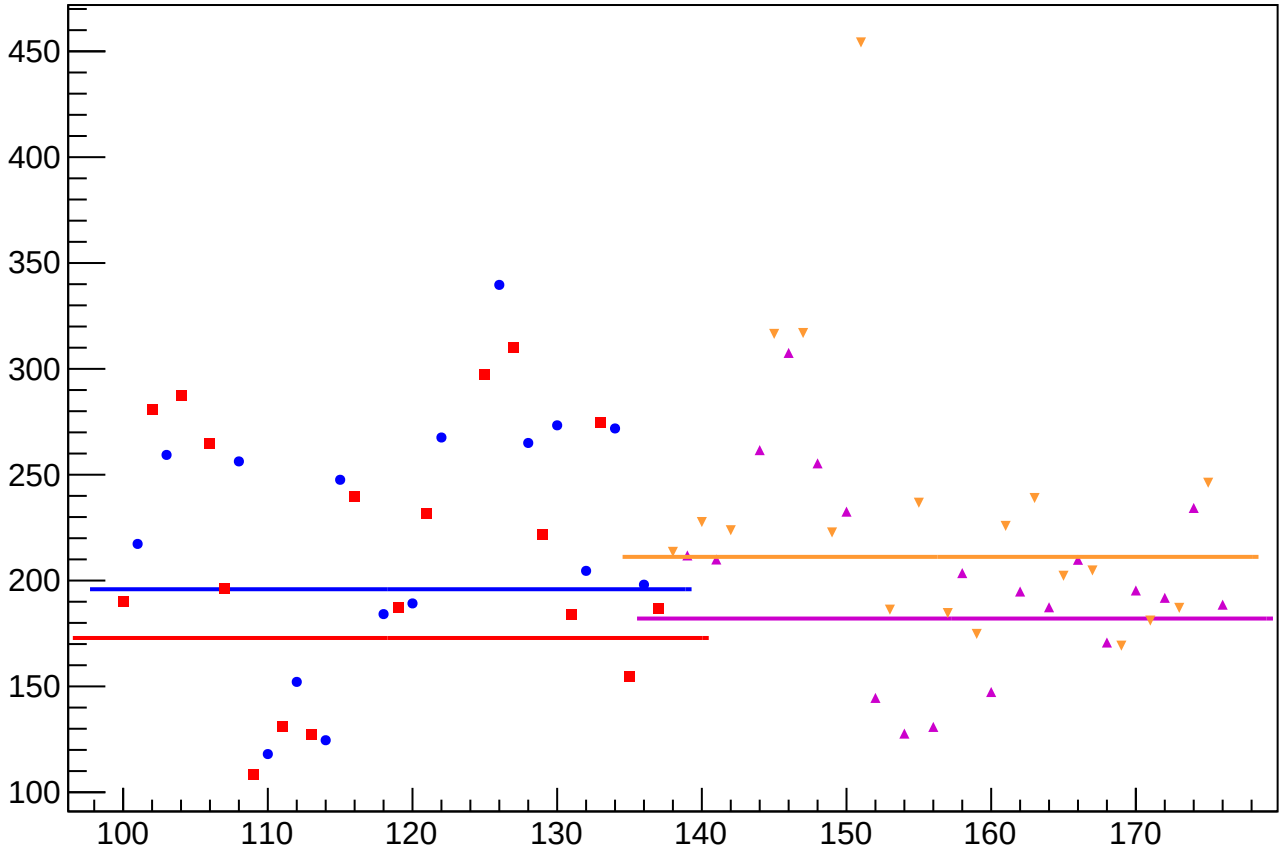
Left In: -110.196+/-48.588 χ^2/NDF:7.2/18

+ sign 78.090+/-45.474 χ^2/NDF: 26.4/34

All: 17.354+/-29.931 χ^2/NDF: 57.9/71

- sign -29.070+/-39.757 χ^2/NDF: 28.4/36

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 211.190+/-0.040 χ^2/NDF:1216563.2/18

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

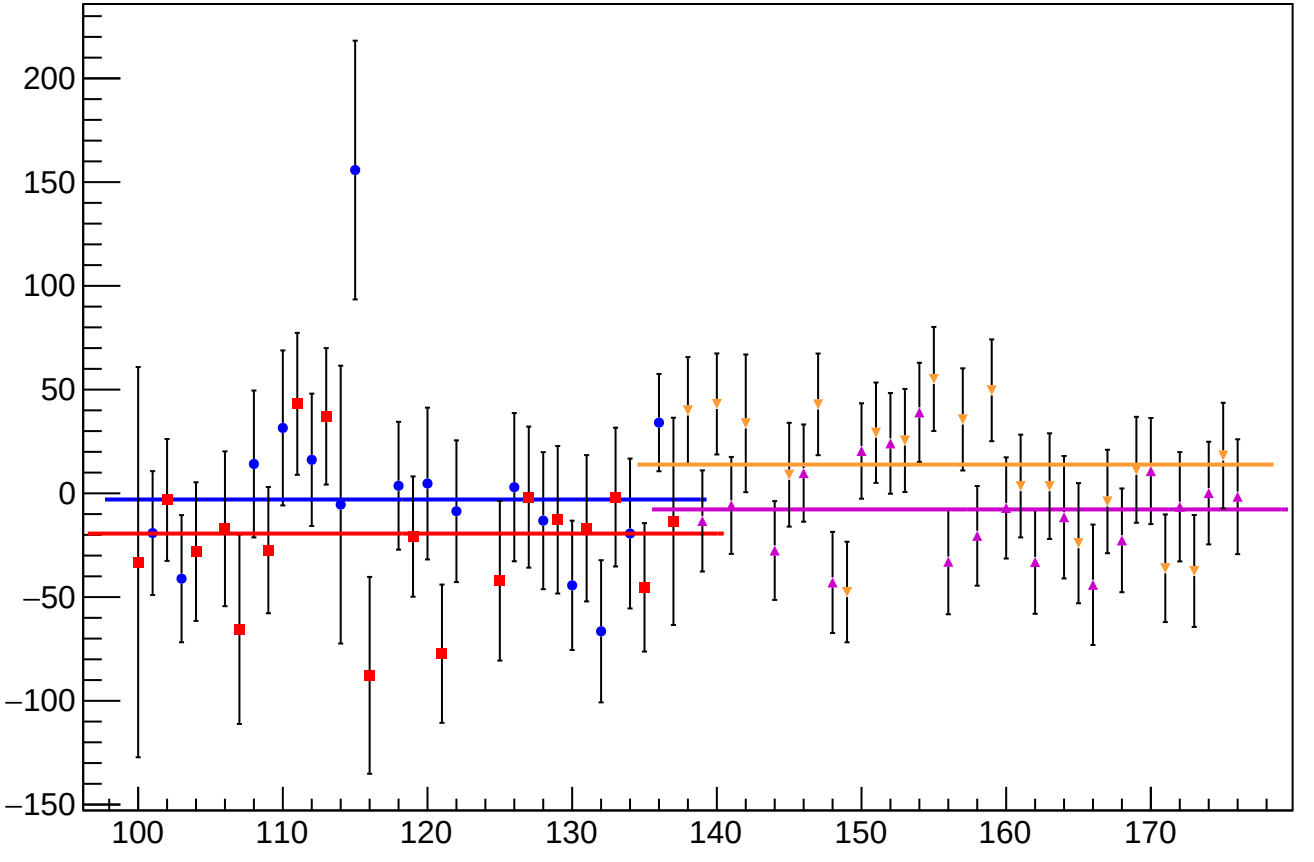
Left In: 182.058+/-0.034 χ^2/NDF:1585263.2/18

+ sign 205.845+/-0.032 χ^2/NDF: 2278985.5/34

All: 190.643+/-0.021 χ^2/NDF: 5825508.6/71

- sign 179.023+/-0.028 χ^2/NDF: 3152142.9/36

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 13.870+/-5.851 χ^2/NDF:26.9/18

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

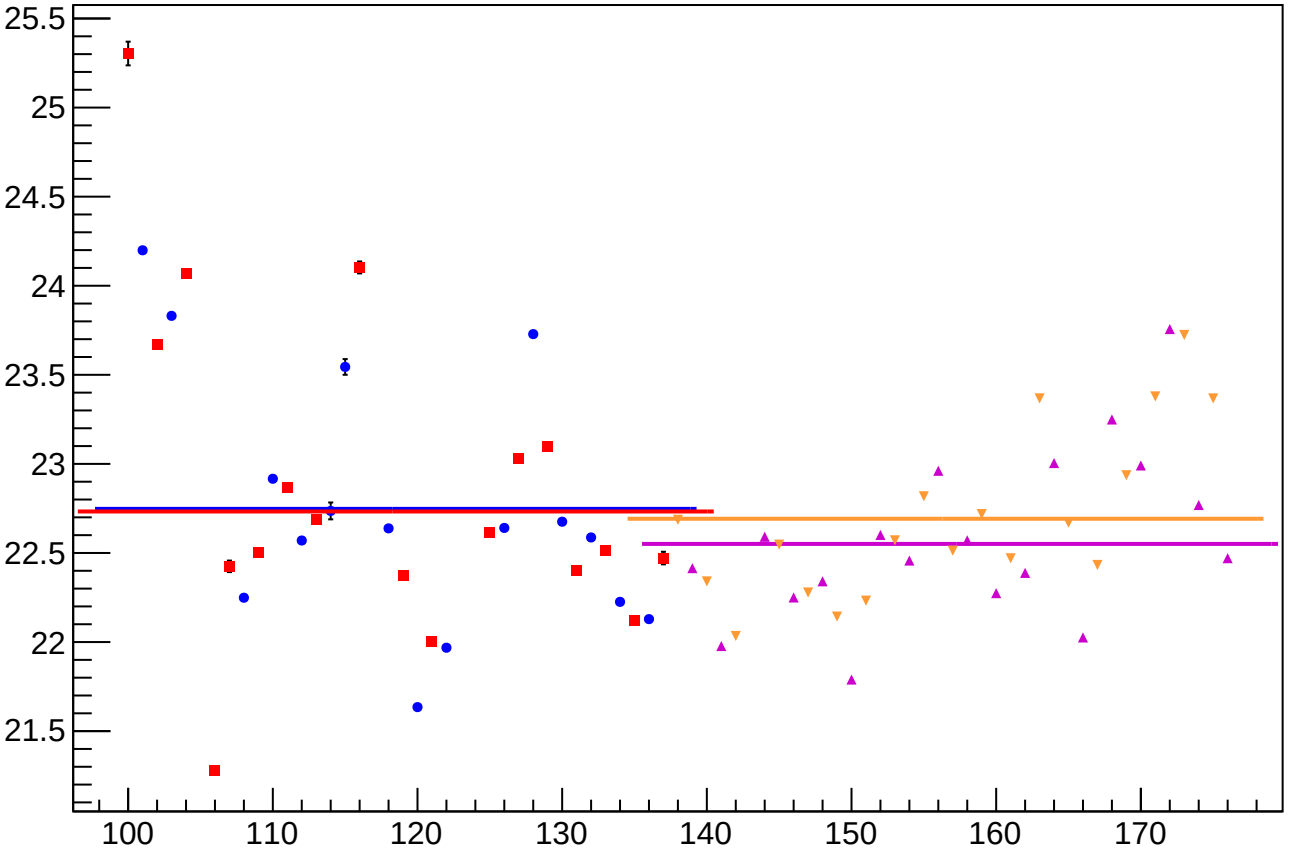
Left In: -7.750+/-5.723 χ^2/NDF:15.3/18

+ sign 8.418+/-4.811 χ^2/NDF: 47.5/34

All: -1.693+/-3.371 χ^2/NDF: 87.3/71

- sign -11.451+/-4.726 χ^2/NDF: 31.2/36

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.692+/-0.004 χ^2/NDF:11501.4/18

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

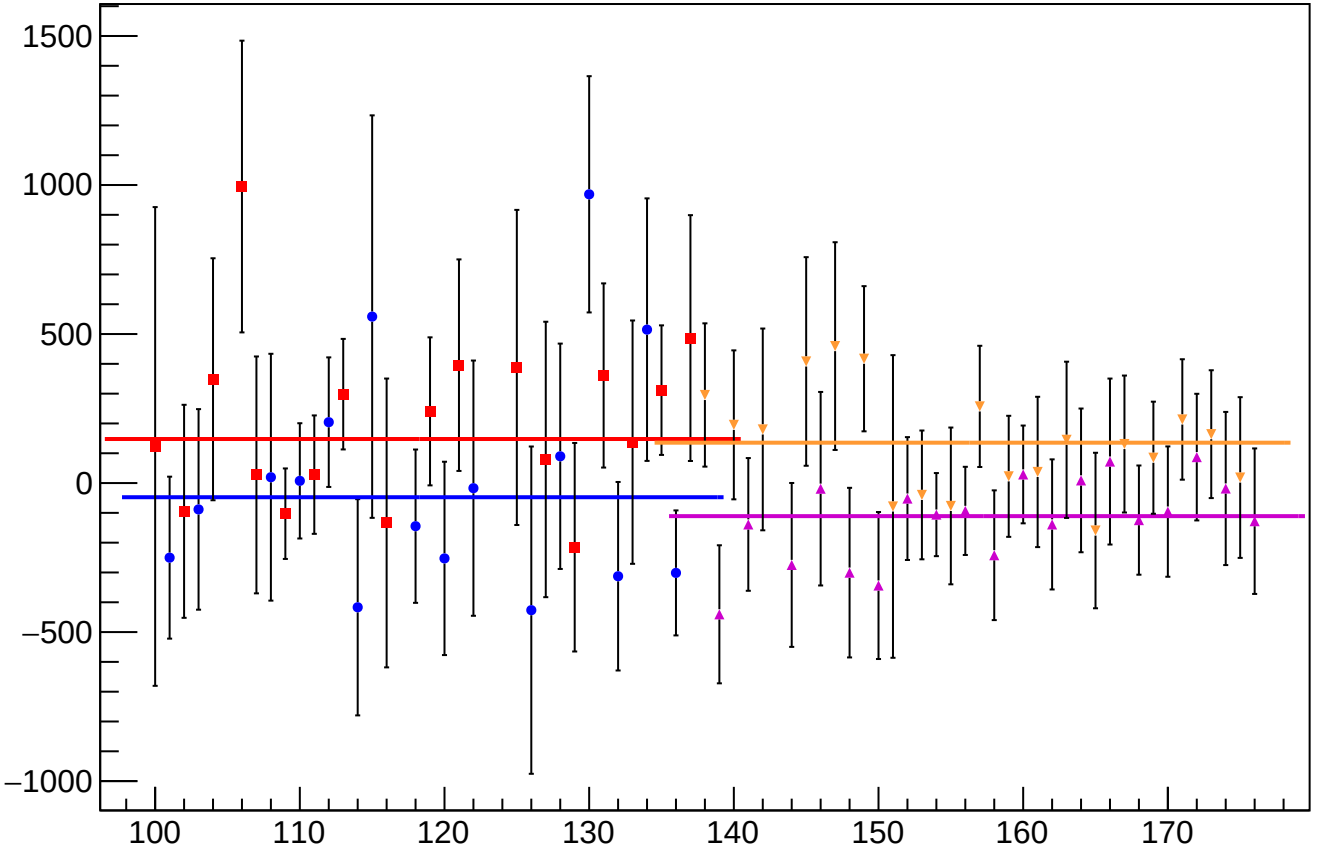
Left In: 22.551+/-0.004 χ^2/NDF:12488.9/18

+ sign 22.710+/-0.003 χ^2/NDF: 26182.2/34

All: 22.659+/-0.002 χ^2/NDF: 54155.0/71

- sign 22.609+/-0.003 χ^2/NDF: 27522.0/36

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 135.438+/-56.282 χ^2/NDF:7.3/18

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

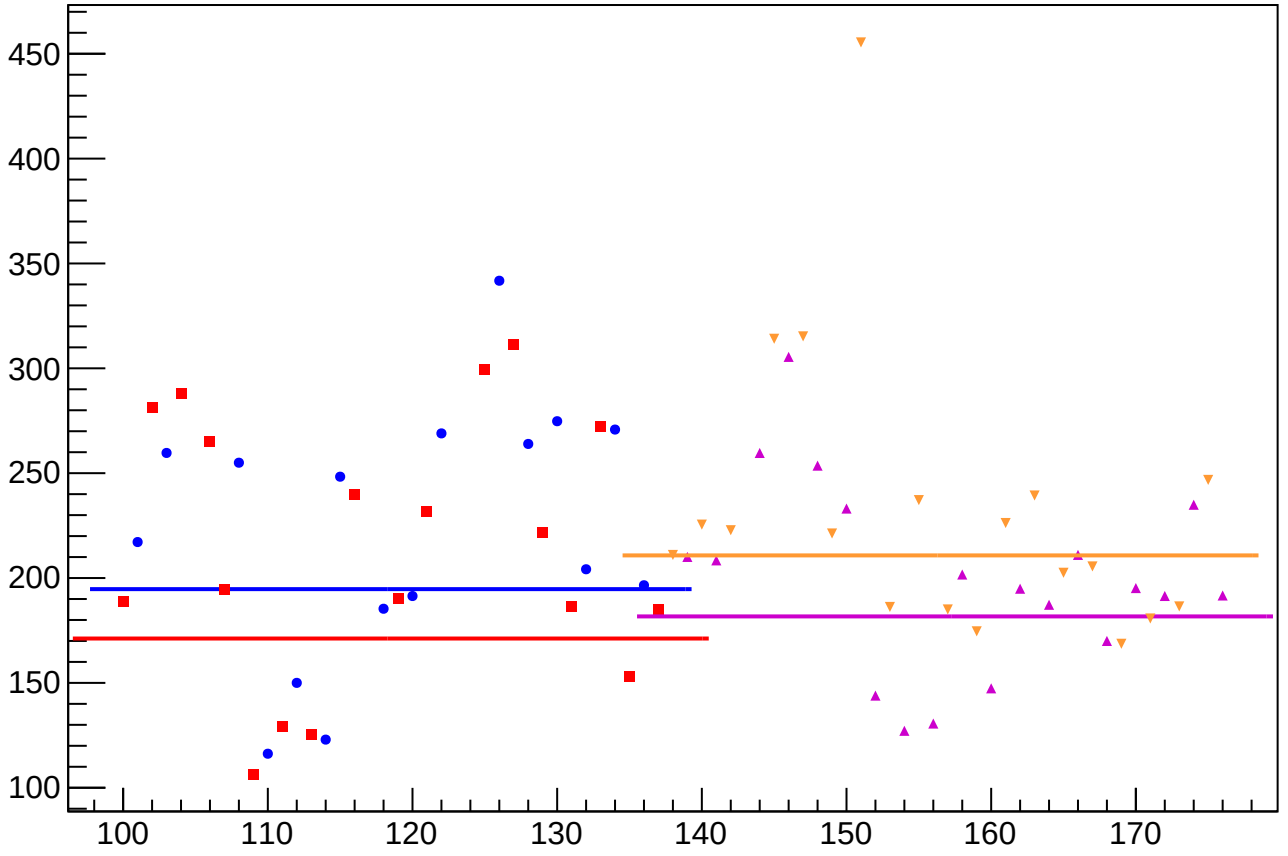
Left In: -110.976+/-48.497 χ^2/NDF:6.7/18

+ sign 71.263+/-45.349 χ^2/NDF: 26.4/34

All: 16.751+/-29.833 χ^2/NDF: 56.7/71

- sign -24.839+/-39.612 χ^2/NDF: 27.7/36

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 210.792+/-0.040 χ^2/NDF:1213348.7/18

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

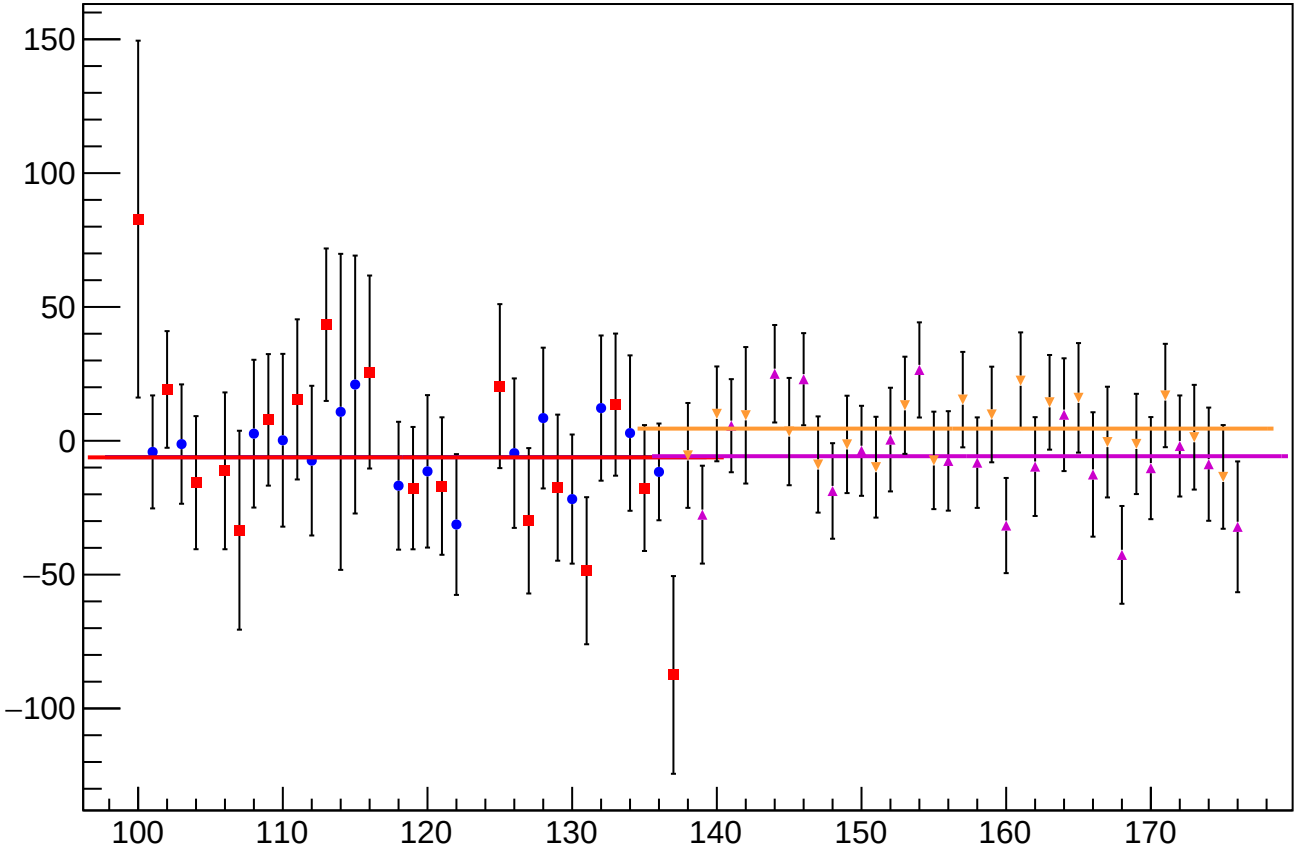
Left In: 181.699+/-0.034 χ^2/NDF:1580736.4/18

\+ sign 205.150+/-0.032 χ^2/NDF: 2322926.5/34

All: 189.857+/-0.021 χ^2/NDF: 5948008.9/71

\- sign 178.190+/-0.028 χ^2/NDF: 3224130.5/36

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.550+/-4.348 χ^2/NDF:5.8/18

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

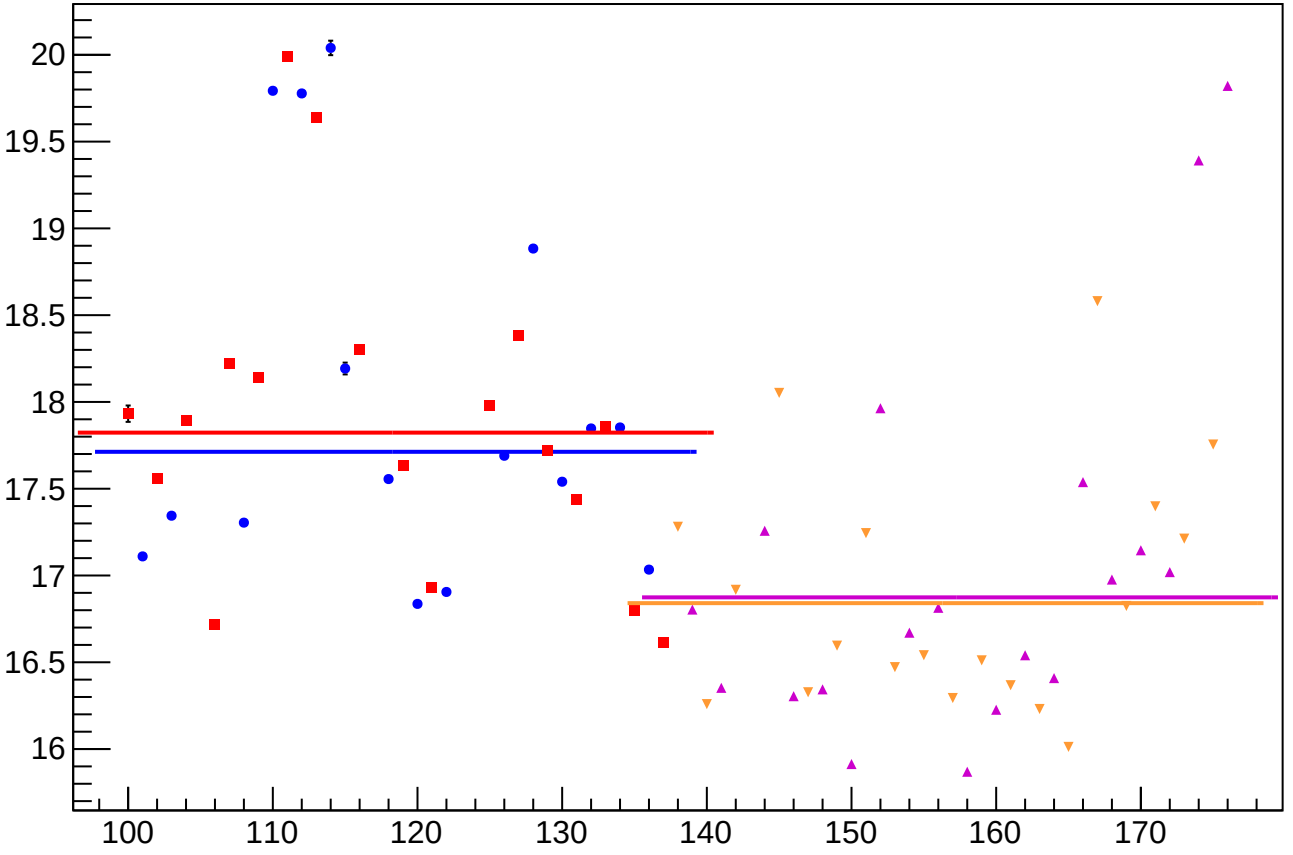
Left In: -5.760+/-4.293 χ^2/NDF:19.6/18

+ sign 1.315+/-3.630 χ^2/NDF: 10.8/34

All: -2.321+/-2.555 χ^2/NDF: 51.0/71

- sign -5.890+/-3.596 χ^2/NDF: 38.3/36

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.841+/-0.003 χ^2/NDF:45354.5/18

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

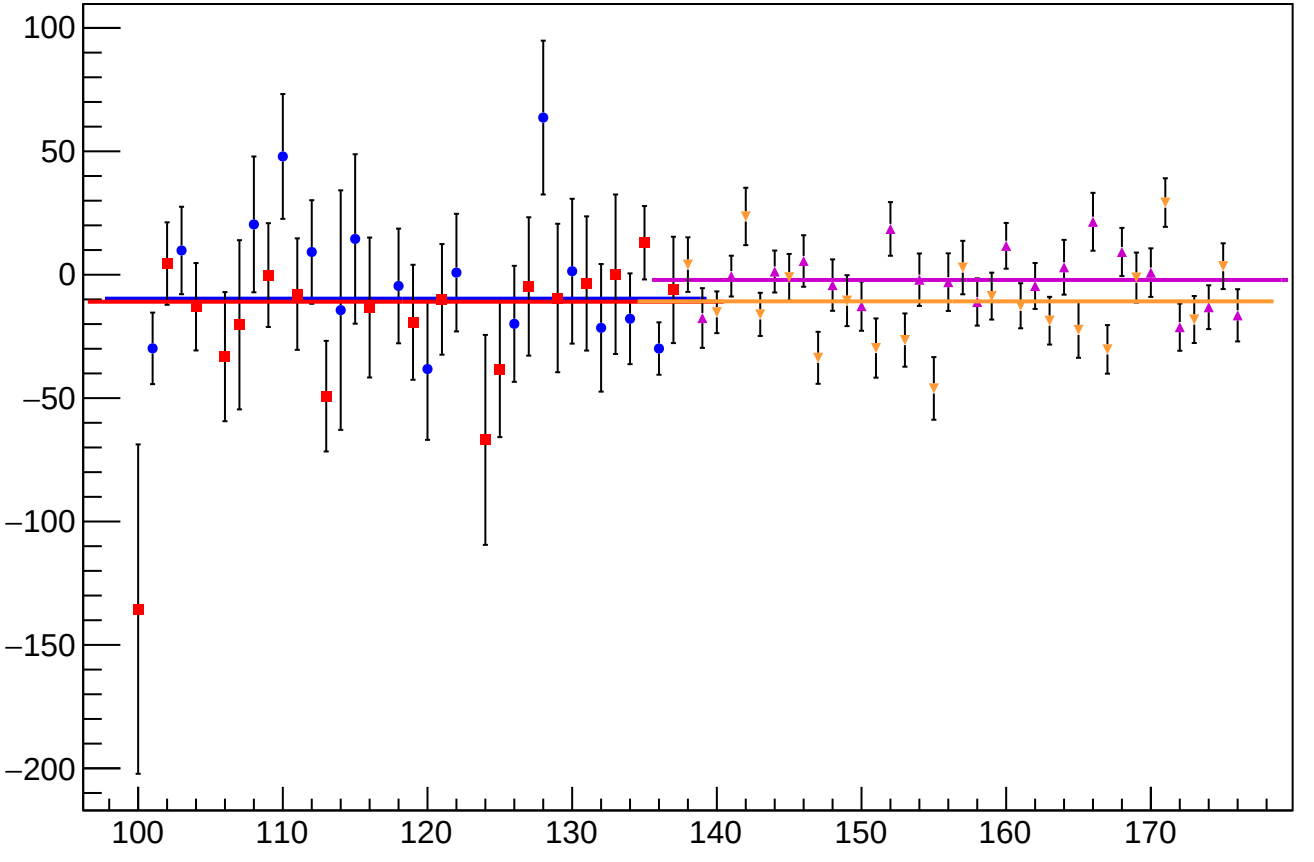
Left In: 16.874+/-0.003 χ^2/NDF:90801.5/18

+ sign 17.105+/-0.003 χ^2/NDF: 105721.5/34

All: 17.131+/-0.002 χ^2/NDF: 258425.4/71

- sign 17.157+/-0.003 χ^2/NDF: 152493.7/36

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -10.789+/-2.252 χ^2/NDF:57.0/19

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

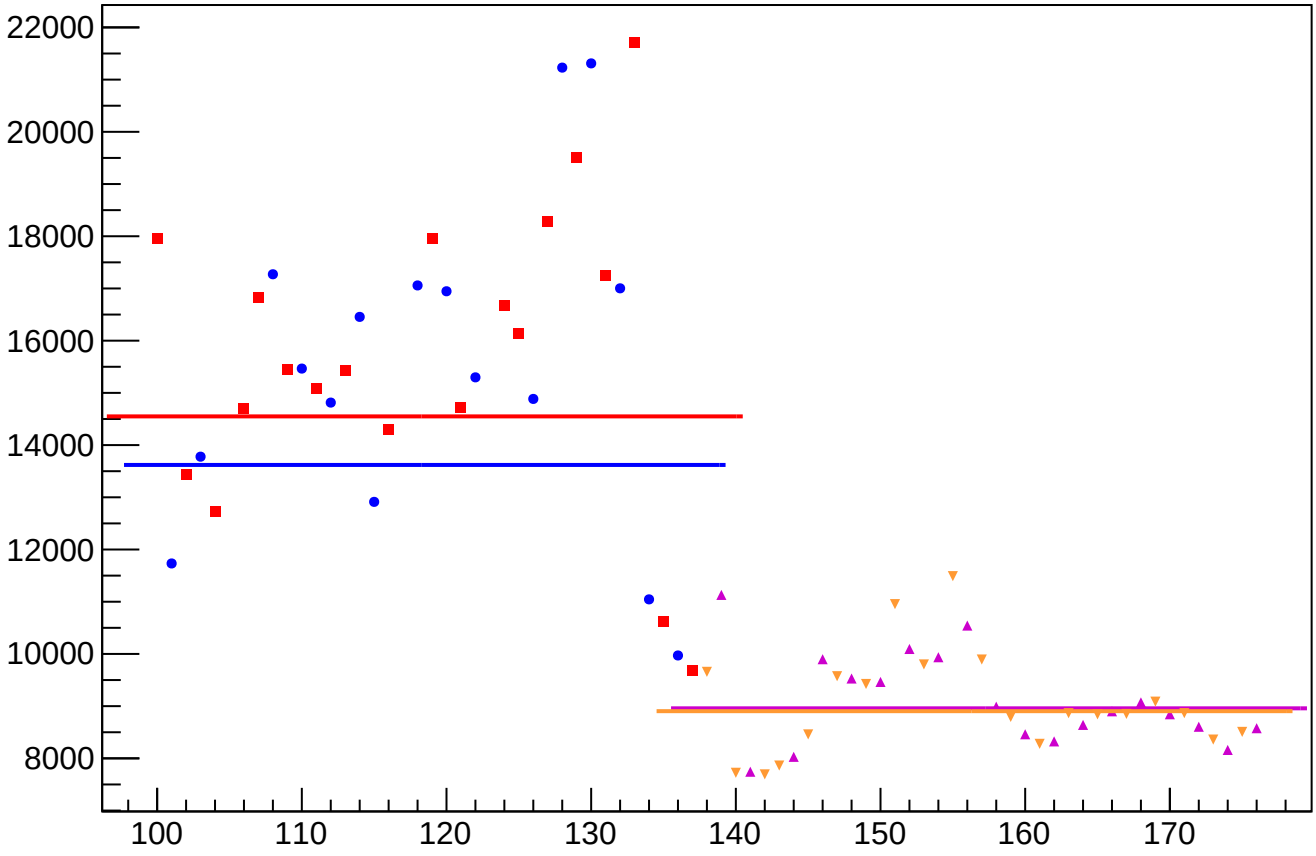
Left In: -2.120+/-2.287 χ^2/NDF:23.4/18

+ sign -10.619+/-2.069 χ^2/NDF: 79.0/35

All: -7.100+/-1.476 χ^2/NDF: 124.6/73

- sign -3.446+/-2.108 χ^2/NDF: 39.7/37

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8903.863+/-1.593 χ^2/NDF:308409.2/19

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

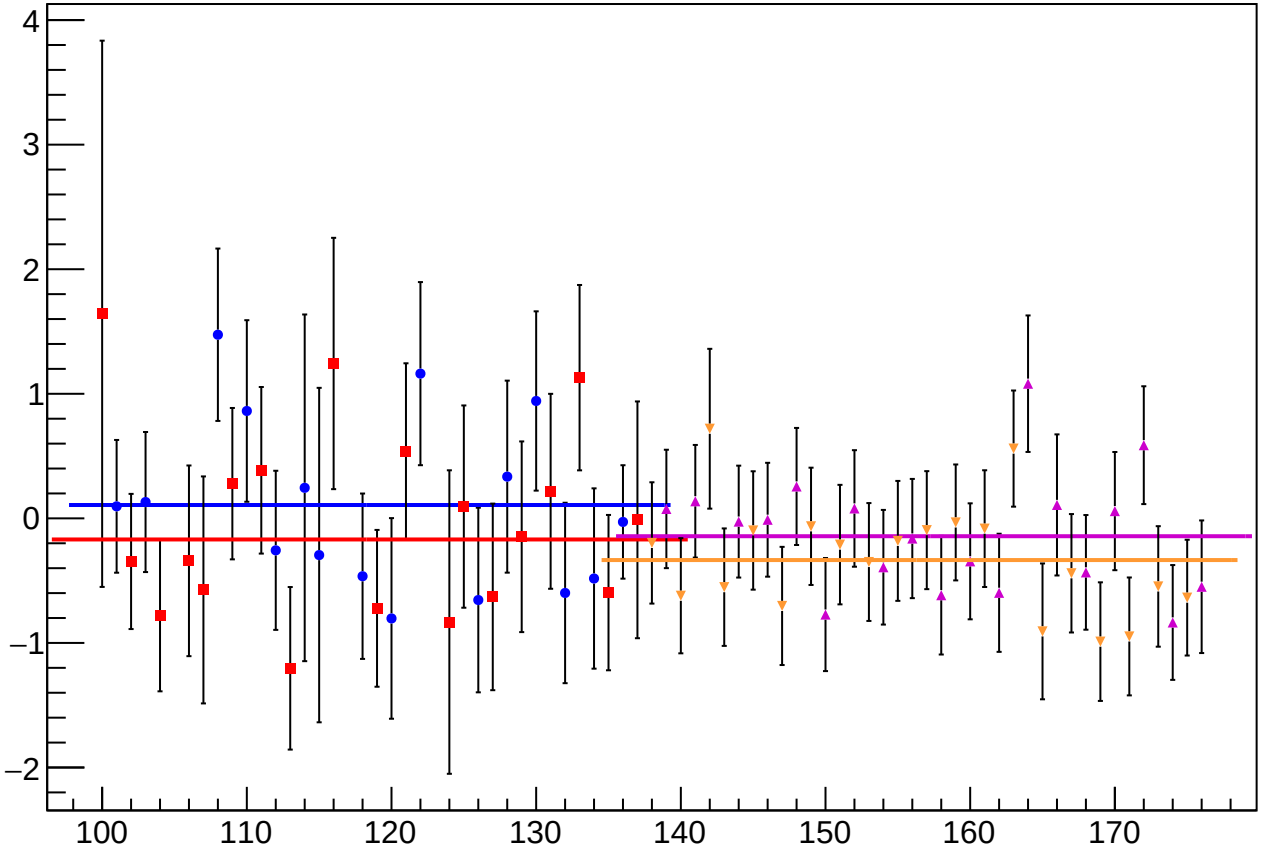
Left In: 8958.244+/-1.617 χ^2/NDF:273252.6/18

+ sign 9641.335+/-1.463 χ^2/NDF: 2426552.4/35

All: 9718.684+/-1.044 χ^2/NDF: 5059099.2/73

- sign 9798.996+/-1.491 χ^2/NDF: 2626847.7/37

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.335+/-0.108 χ^2/NDF:14.7/19

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

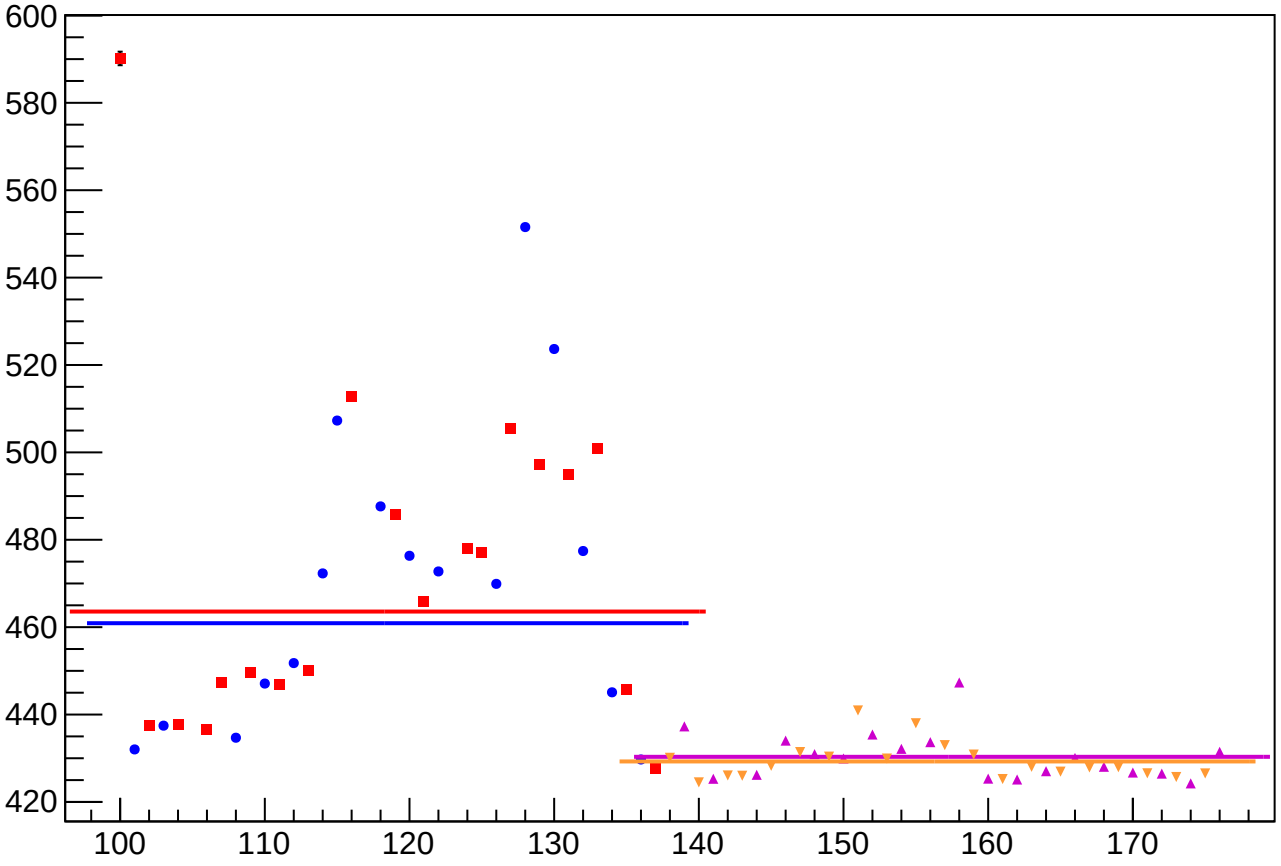
Left In: -0.143+/-0.109 χ^2/NDF:17.0/18

+ sign -0.210+/-0.091 χ^2/NDF: 33.2/35

All: -0.181+/-0.065 χ^2/NDF: 64.5/73

- sign -0.151+/-0.092 χ^2/NDF: 31.1/37

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.269+/-0.076 χ^2/NDF:2895.5/19

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

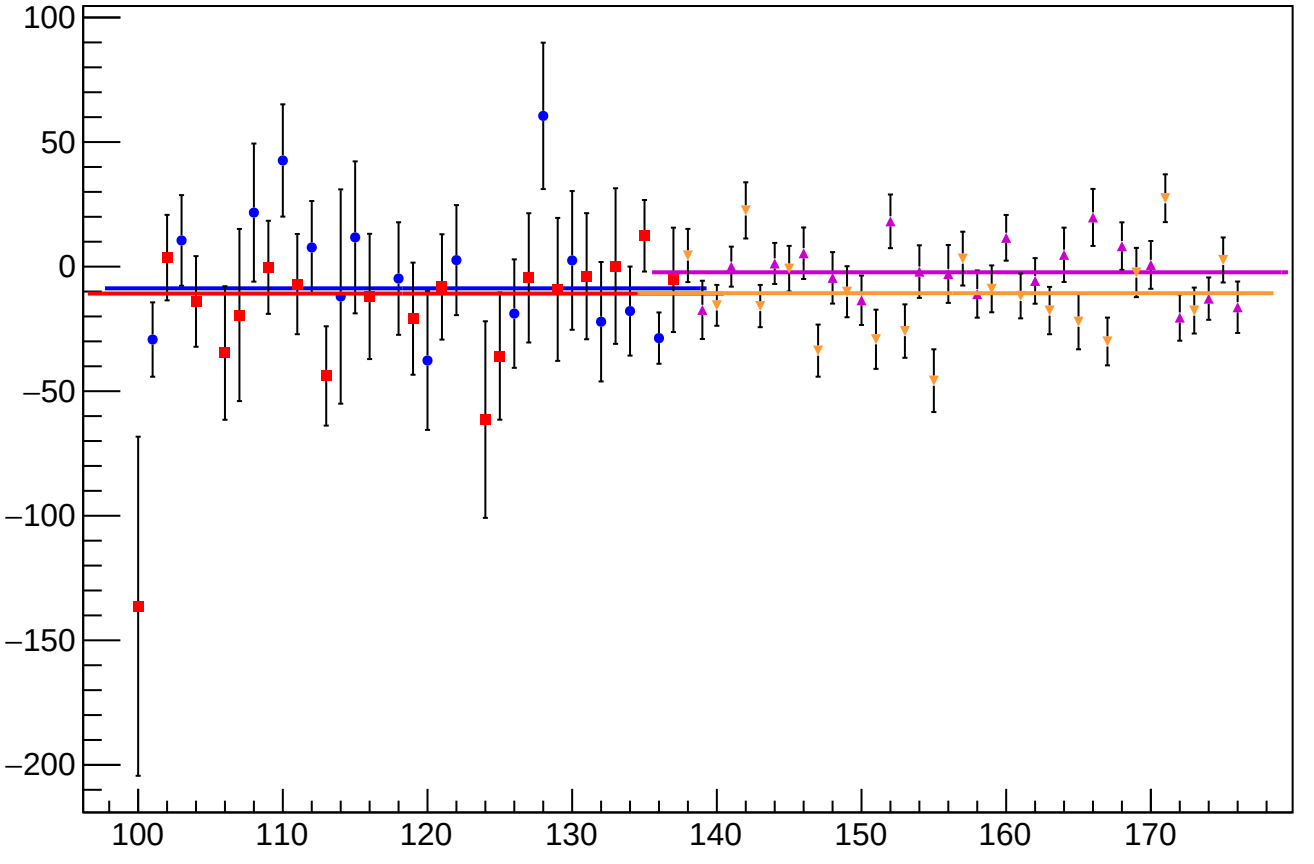
Left In: 430.328+/-0.077 χ^2/NDF:5095.8/18

+ sign 438.207+/-0.065 χ^2/NDF: 126540.7/35

All: 439.138+/-0.046 χ^2/NDF: 238641.1/73

- sign 440.081+/-0.065 χ^2/NDF: 111681.1/37

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.656+/-2.206 χ^2/NDF:56.3/19

Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

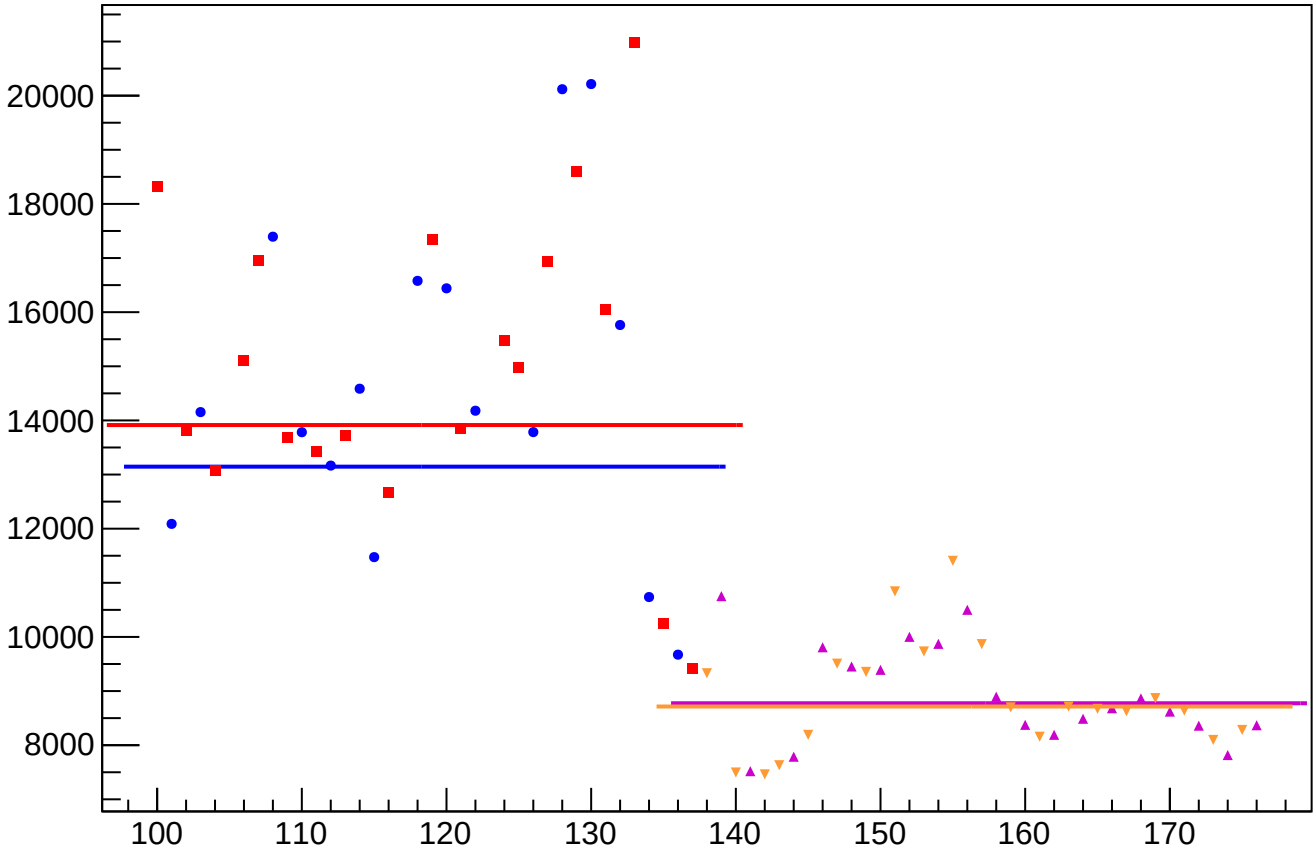
Left In: -2.271+/-2.241 χ^2/NDF:23.3/18

+ sign -10.343+/-2.021 χ^2/NDF: 78.7/35

All: -7.039+/-1.442 χ^2/NDF: 123.6/73

- sign -3.612+/-2.058 χ^2/NDF: 39.5/37

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8714.498+/-1.560 χ^2/NDF:352284.5/19

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

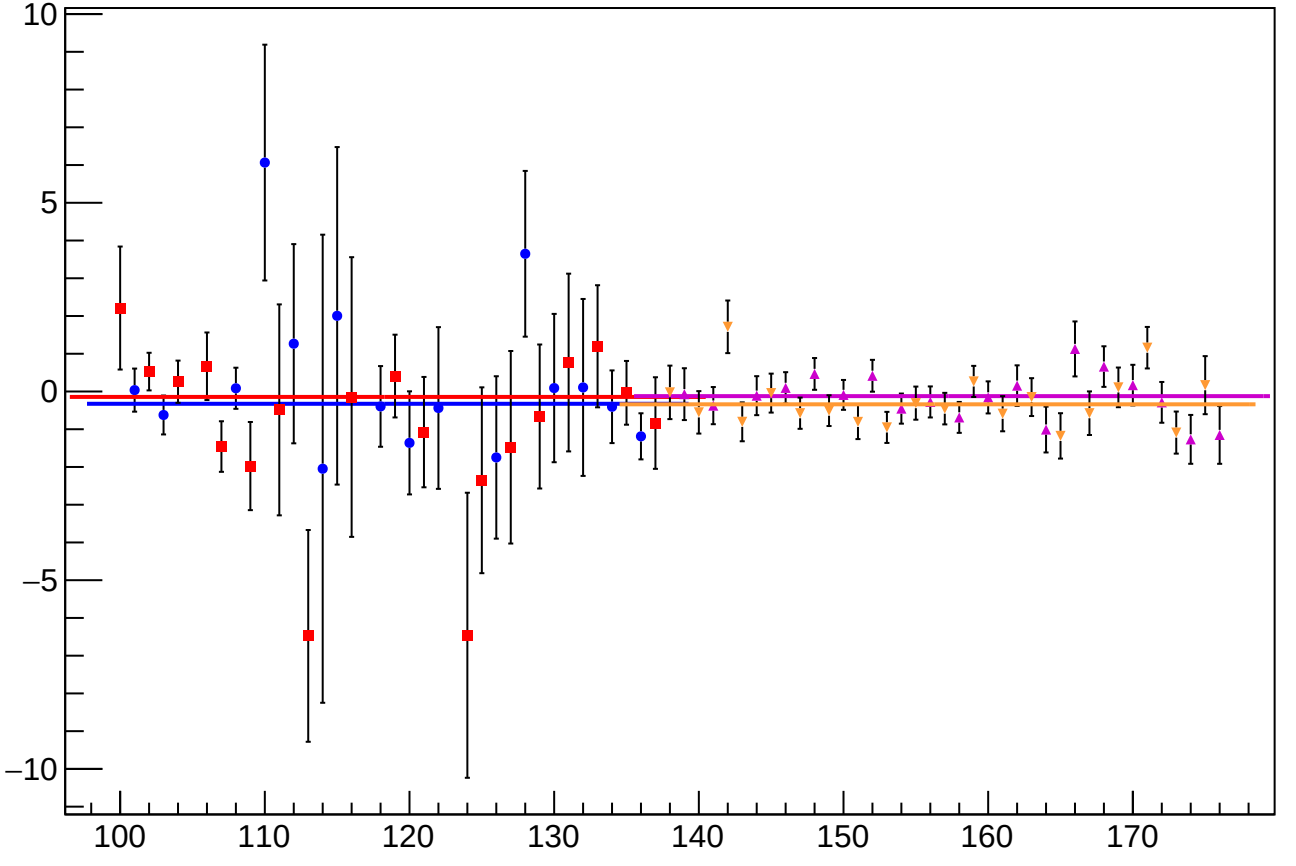
Left In: 8774.805+/-1.585 χ^2/NDF:309762.6/18

+ sign 9428.030+/-1.429 χ^2/NDF: 2334258.2/35

All: 9503.792+/-1.019 χ^2/NDF: 4813185.6/73

- sign 9582.362+/-1.455 χ^2/NDF: 2473200.2/37

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.340+/-0.112 χ^2/NDF:29.1/19

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

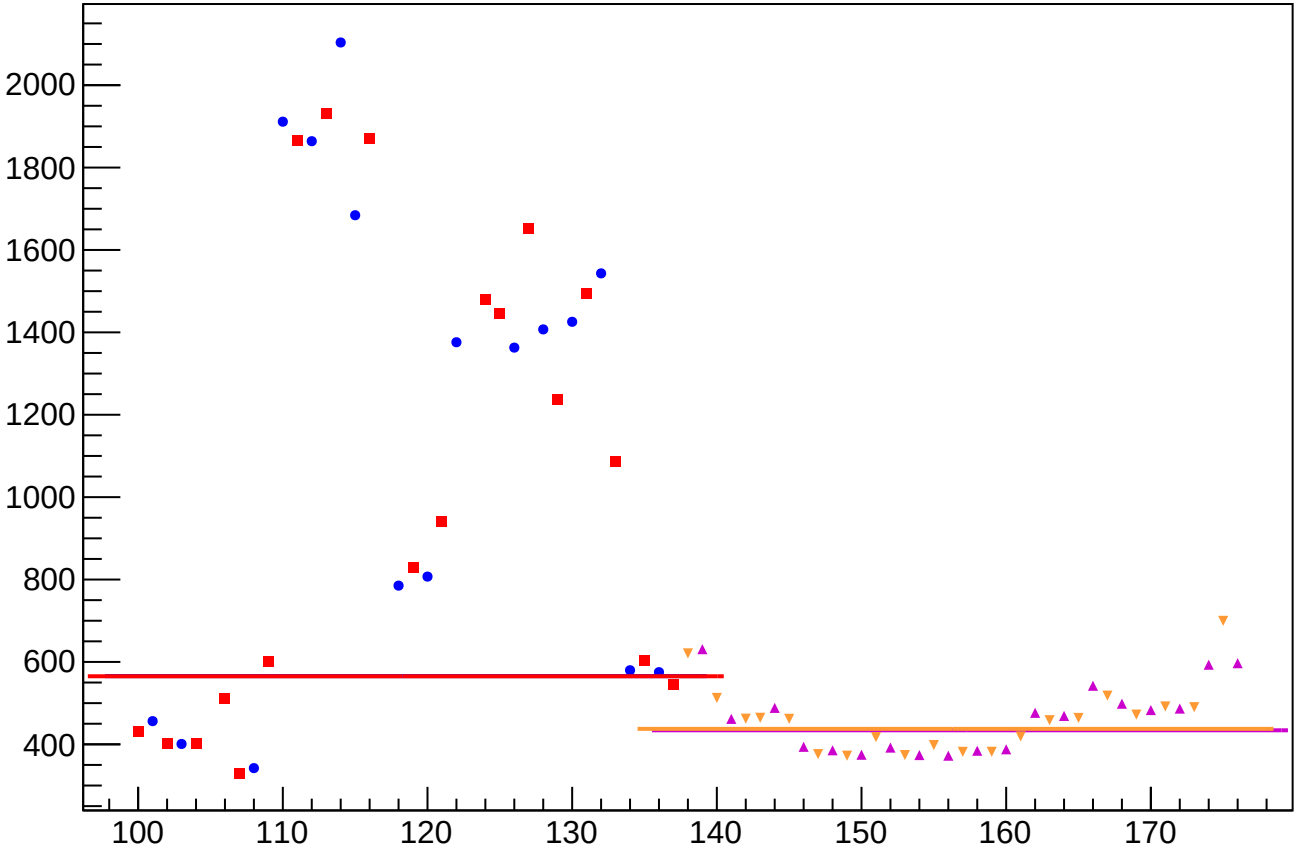
Left In: -0.123+/-0.112 χ^2/NDF:19.7/18

+ sign -0.337+/-0.102 χ^2/NDF: 41.7/35

All: -0.232+/-0.072 χ^2/NDF: 85.9/73

- sign -0.127+/-0.102 χ^2/NDF: 42.1/37

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 437.585+/-0.079 χ^2/NDF:744342.3/19

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

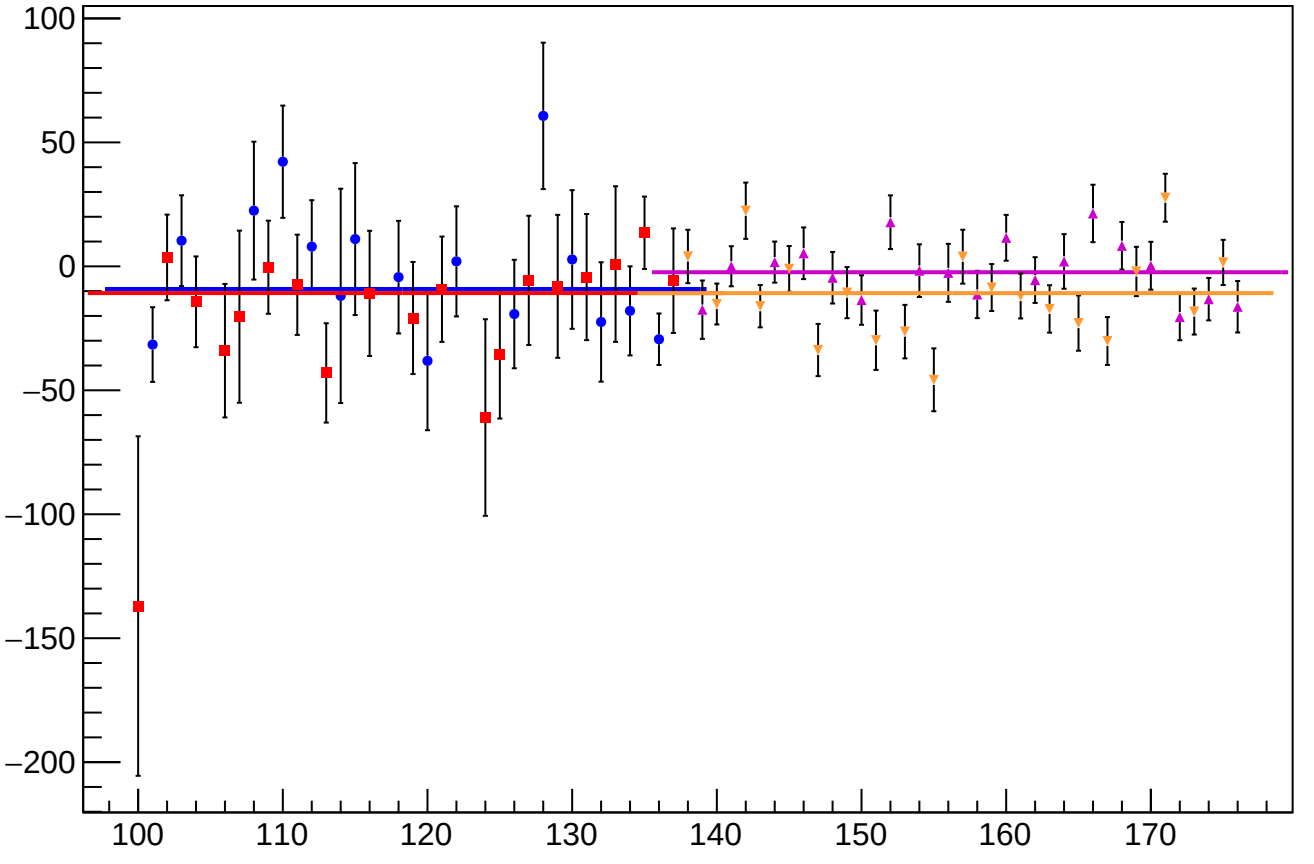
Left In: 434.061+/-0.079 χ^2/NDF:785367.7/18

+ sign 459.702+/-0.072 χ^2/NDF: 4649269.1/35

All: 458.284+/-0.051 χ^2/NDF: 9483095.8/73

- sign 456.854+/-0.072 χ^2/NDF: 4833042.1/37

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -10.800+/-2.221 χ^2/NDF:55.9/19

Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

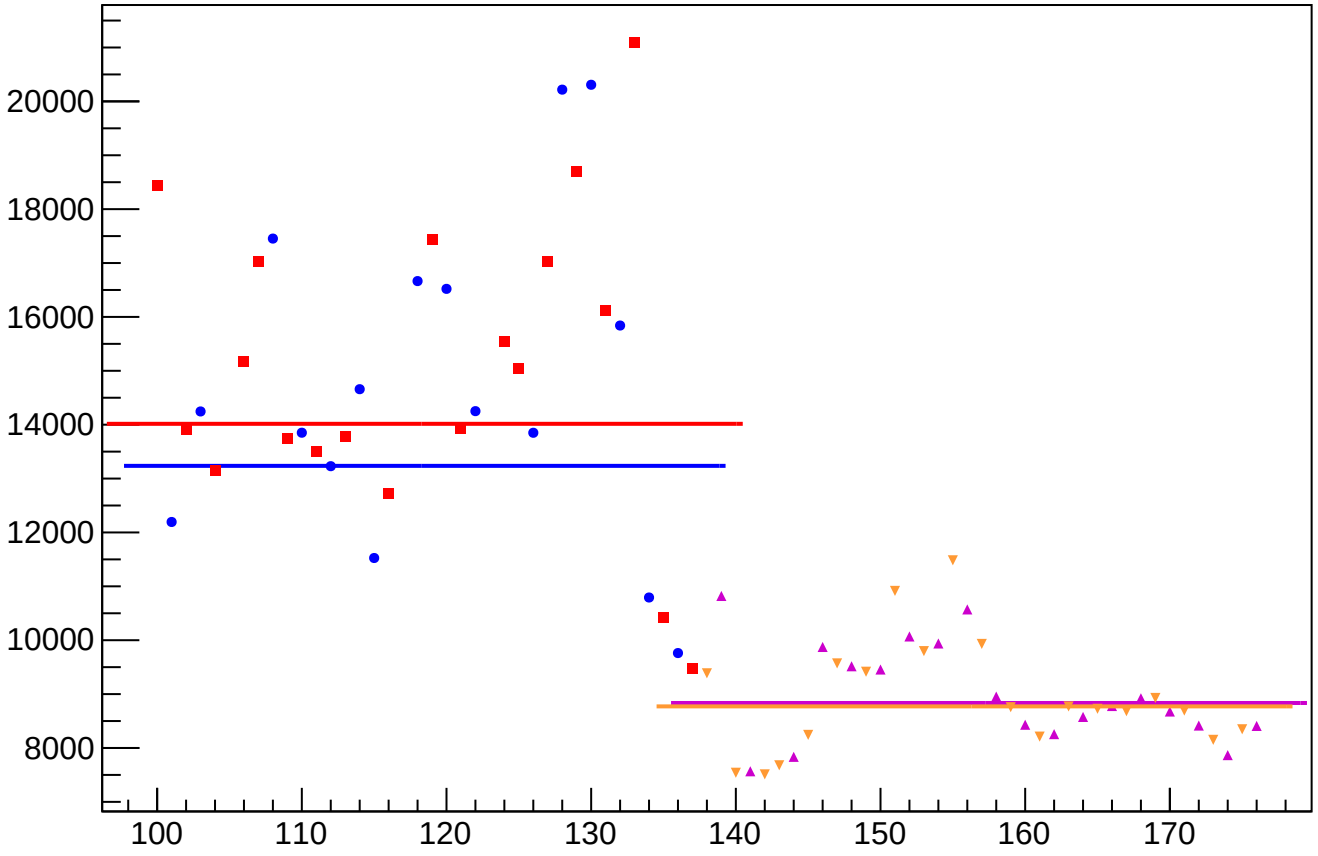
Left In: -2.376+/-2.257 χ^2/NDF:23.4/18

+ sign -10.531+/-2.034 χ^2/NDF: 78.7/35

All: -7.178+/-1.452 χ^2/NDF: 123.5/73

- sign -3.698+/-2.072 χ^2/NDF: 39.2/37

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8771.868+/-1.570 χ^2/NDF:352616.1/19

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

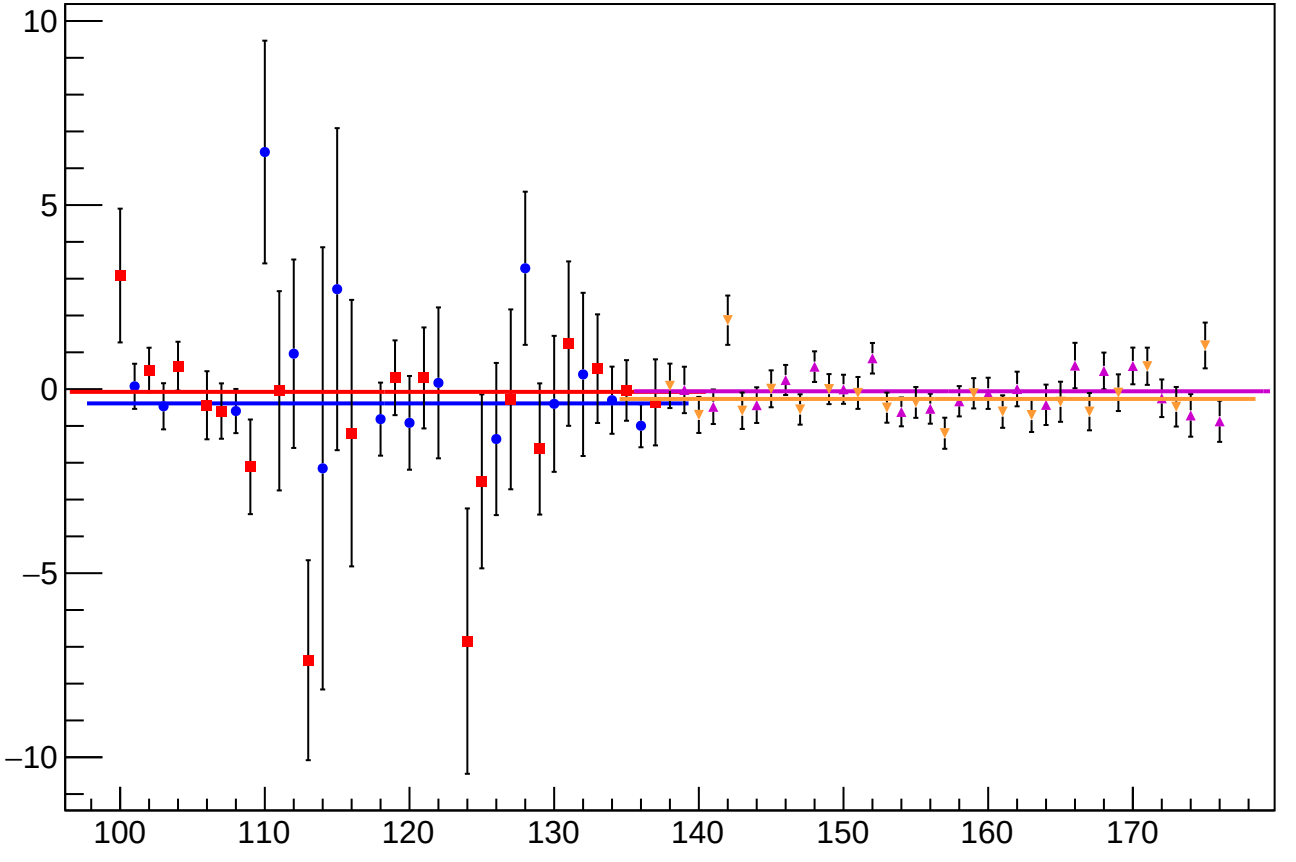
Left In: 8835.024+/-1.596 χ^2/NDF:309878.9/18

+ sign 9490.576+/-1.438 χ^2/NDF: 2327700.3/35

All: 9568.334+/-1.026 χ^2/NDF: 4798105.6/73

- sign 9649.023+/-1.465 χ^2/NDF: 2464449.5/37

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.267+/-0.106 χ^2/NDF:29.3/19

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

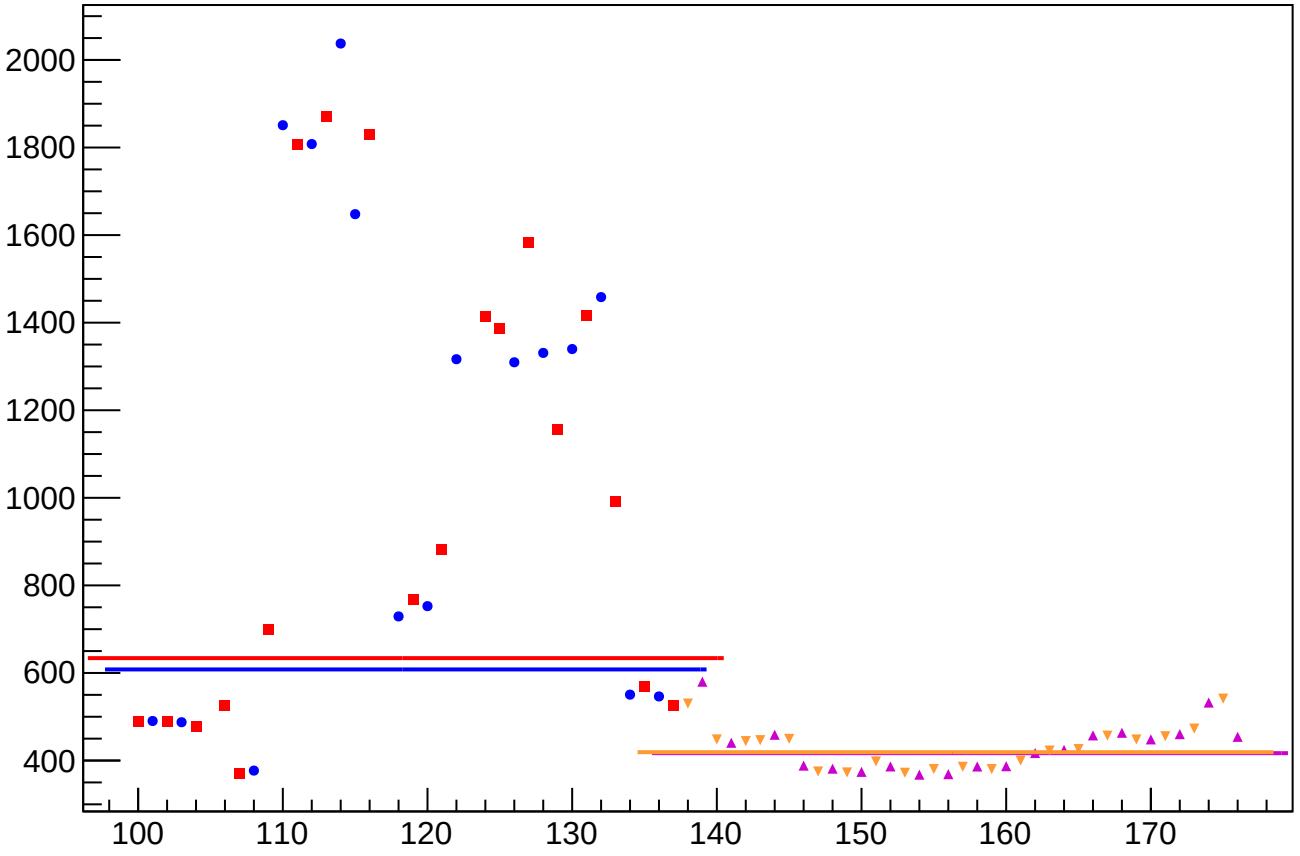
Left In: -0.058+/-0.107 χ^2/NDF:21.5/18

+ sign -0.284+/-0.098 χ^2/NDF: 41.2/35

All: -0.174+/-0.070 χ^2/NDF: 86.9/73

- sign -0.061+/-0.099 χ^2/NDF: 43.2/37

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 419.088+/-0.075 χ^2/NDF:347673.9/19

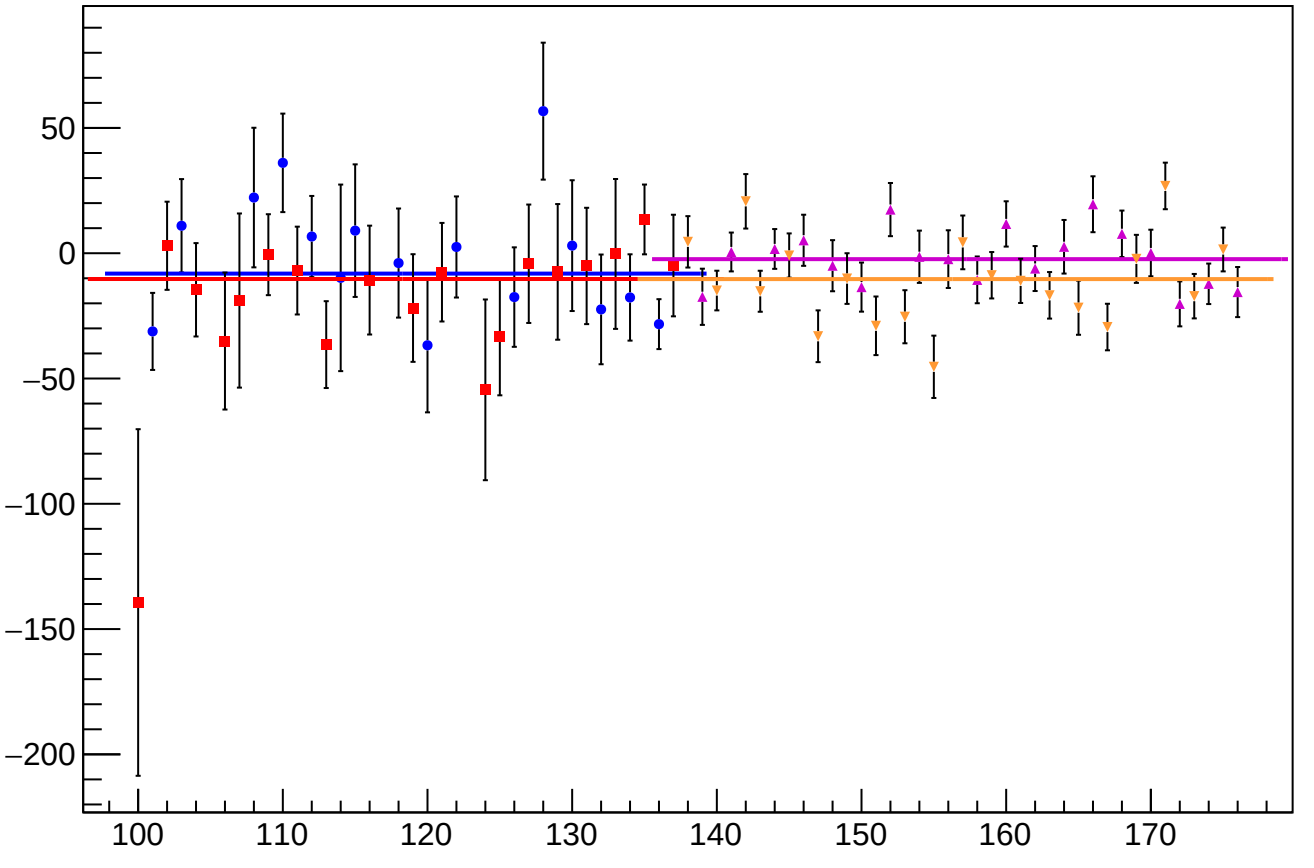
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 416.824+/-0.075 χ^2/NDF:430025.2/18

+ sign 446.877+/-0.069 χ^2/NDF: 4132135.5/35

All: 447.040+/-0.049 χ^2/NDF: 8508812.9/73

- sign 447.205+/-0.070 χ^2/NDF: 4376666.3/37



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -10.325+/-2.148 χ^2/NDF:56.3/19

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

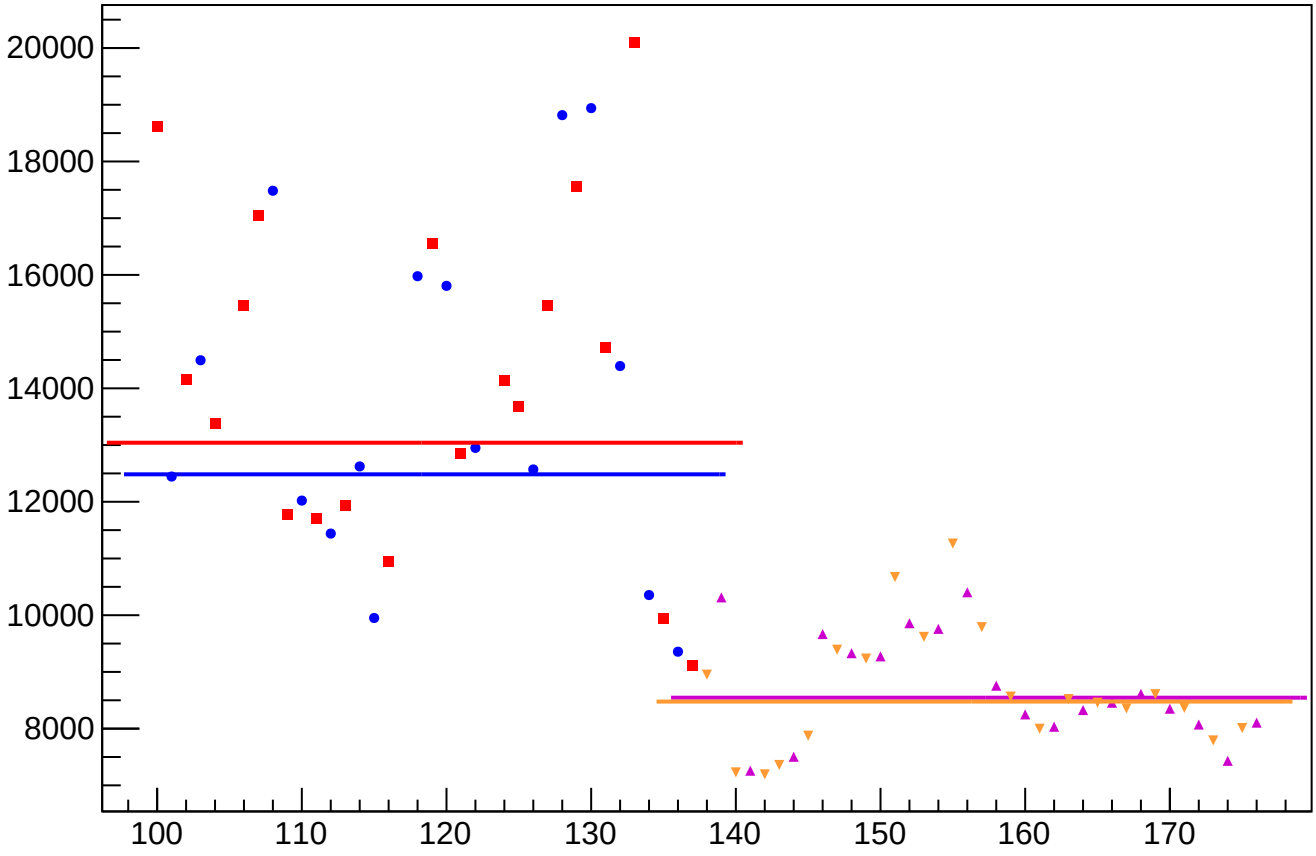
Left In: -2.363+/-2.185 χ^2/NDF:23.5/18

+ sign -9.957+/-1.959 χ^2/NDF: 79.6/35

All: -6.877+/-1.397 χ^2/NDF: 124.0/73

- sign -3.689+/-1.993 χ^2/NDF: 39.3/37

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8477.140+/-1.519 χ^2/NDF:404305.8/19

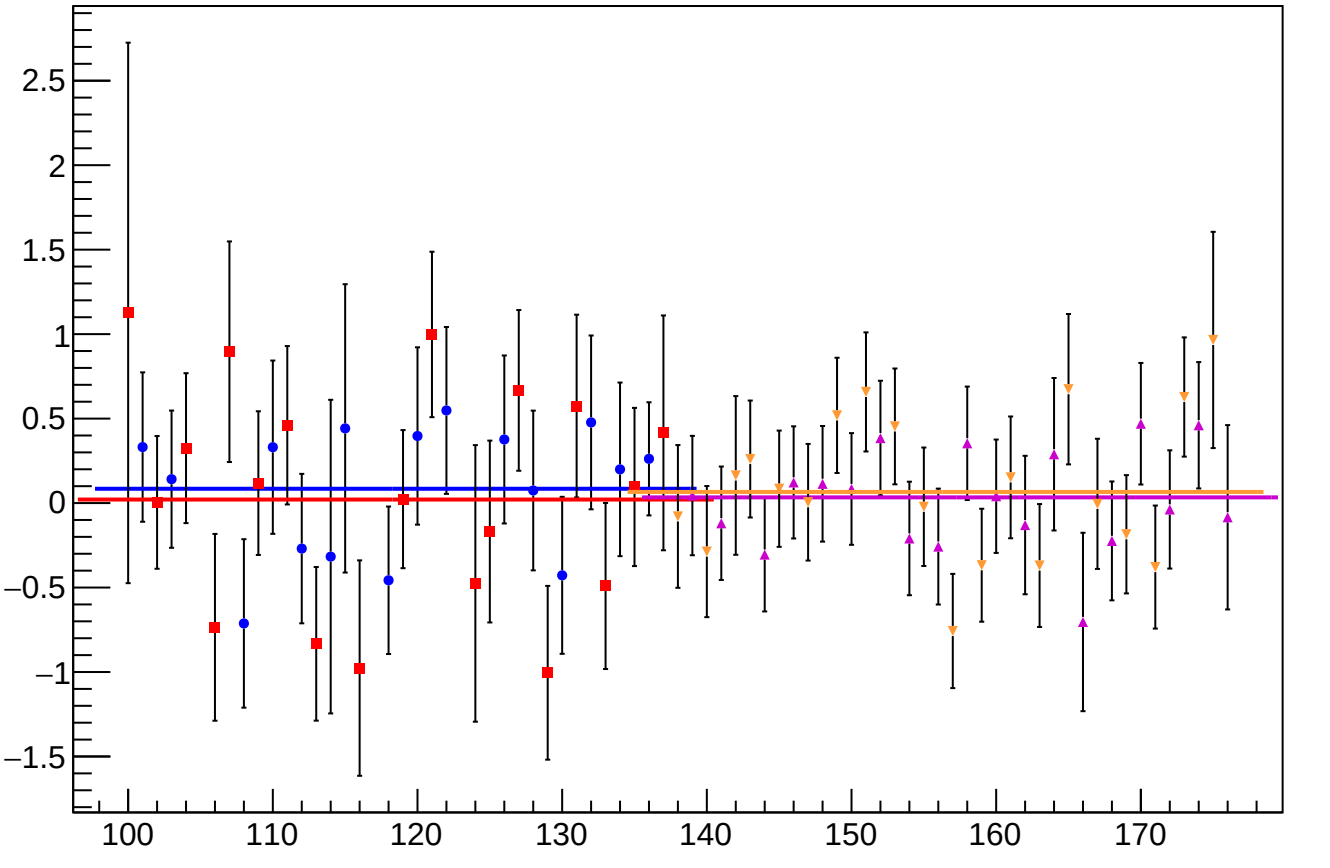
Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8545.584+/-1.545 χ^2/NDF:355102.8/18

+ sign 9150.501+/-1.385 χ^2/NDF: 2245456.0/35

All: 9222.854+/-0.988 χ^2/NDF: 4567812.7/73

- sign 9297.759+/-1.410 χ^2/NDF: 2316805.1/37



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.066+/-0.083 χ^2/NDF:24.8/19

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

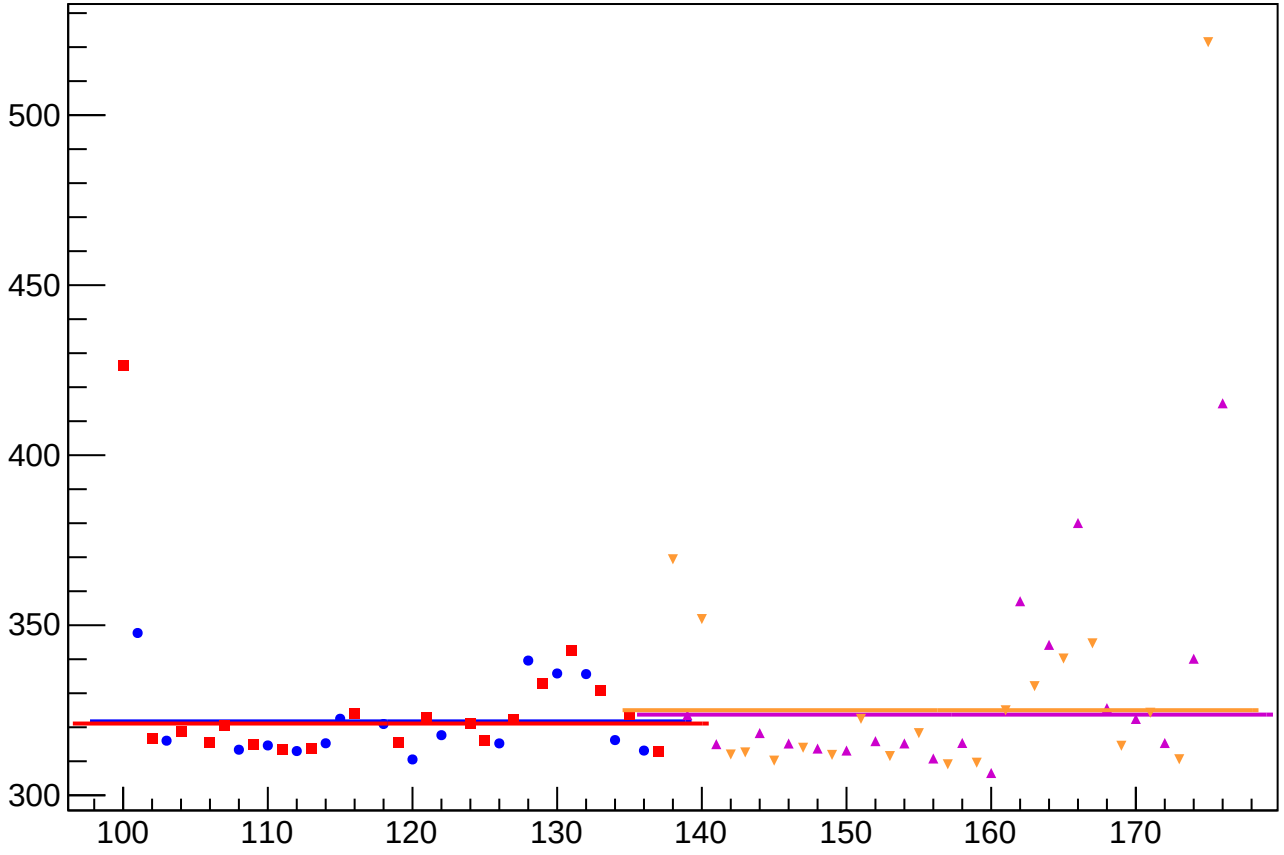
Left In: 0.034+/-0.083 χ^2/NDF:10.4/18

+ sign 0.072+/-0.068 χ^2/NDF: 34.2/35

All: 0.051+/-0.048 χ^2/NDF: 69.1/73

- sign 0.029+/-0.068 χ^2/NDF: 34.7/37

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 325.014+/-0.058 χ^2/NDF:258927.1/19

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

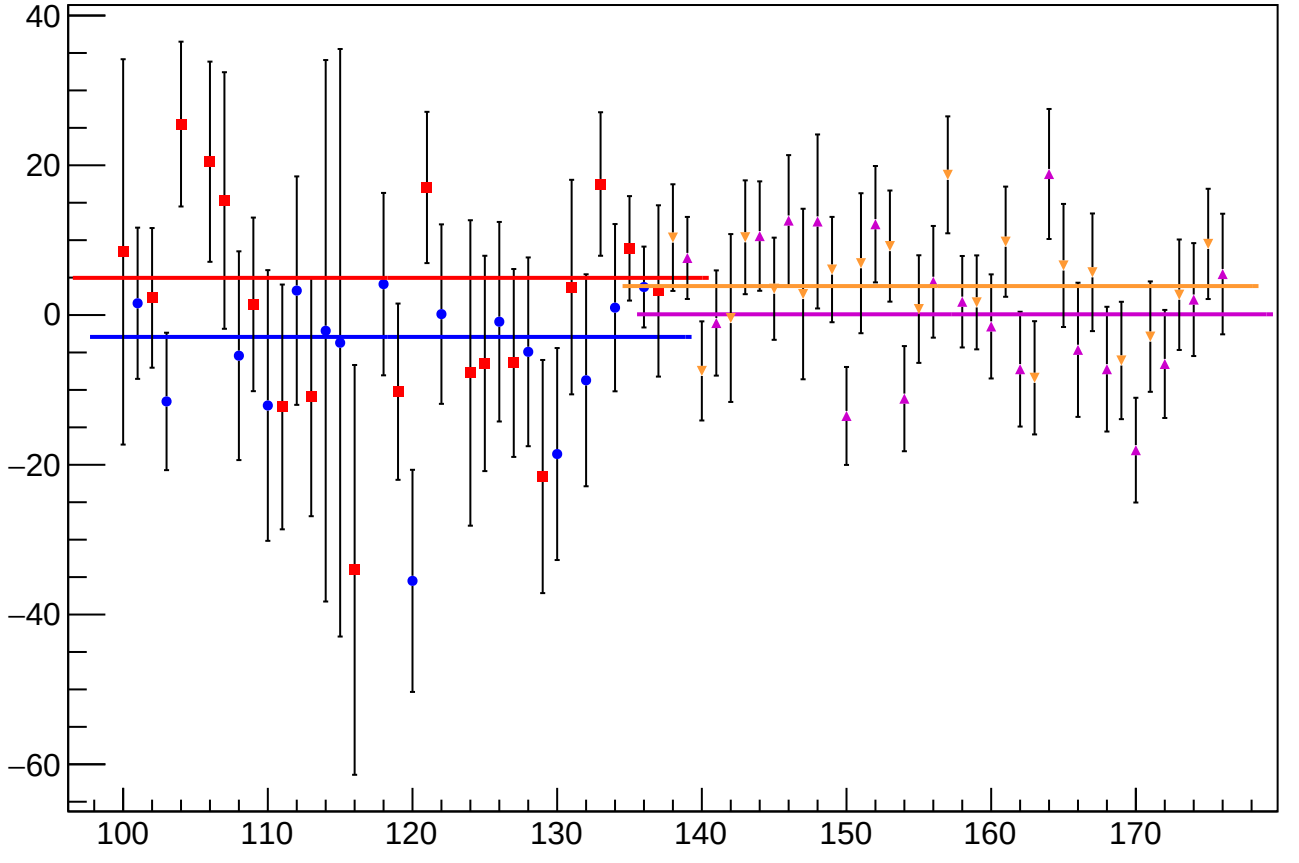
Left In: 323.720+/-0.059 χ^2/NDF:120086.5/18

+ sign 323.957+/-0.048 χ^2/NDF: 278156.9/35

All: 323.398+/-0.034 χ^2/NDF: 415757.5/73

- sign 322.845+/-0.048 χ^2/NDF: 137332.9/37

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.868+/-1.699 χ^2/NDF:15.8/19

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

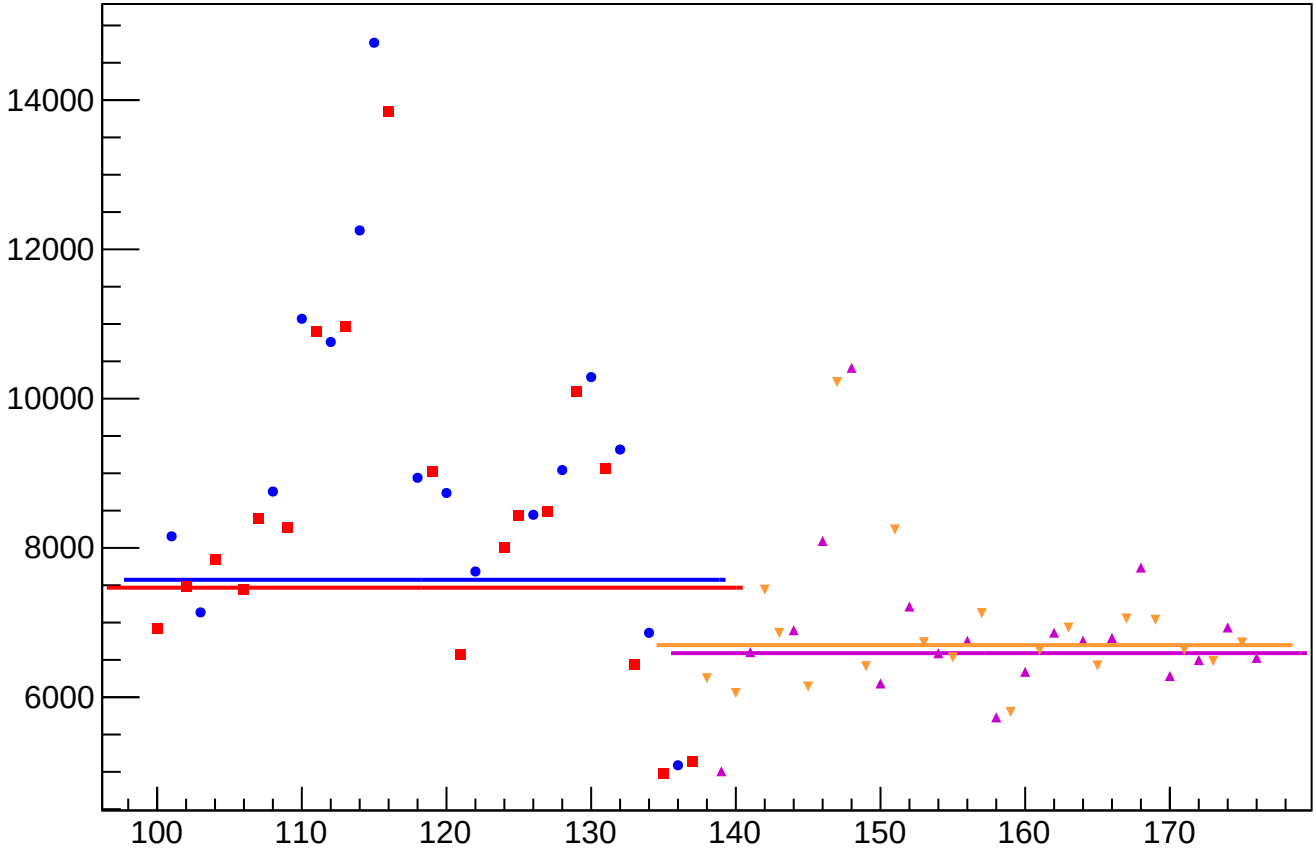
Left In: 0.099+/-1.695 χ^2/NDF:31.6/18

+ sign 2.142+/-1.467 χ^2/NDF: 29.7/35

All: 1.761+/-1.032 χ^2/NDF: 83.0/73

- sign 1.388+/-1.453 χ^2/NDF: 53.2/37

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6698.232+/-1.201 χ^2/NDF:361167.3/19

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

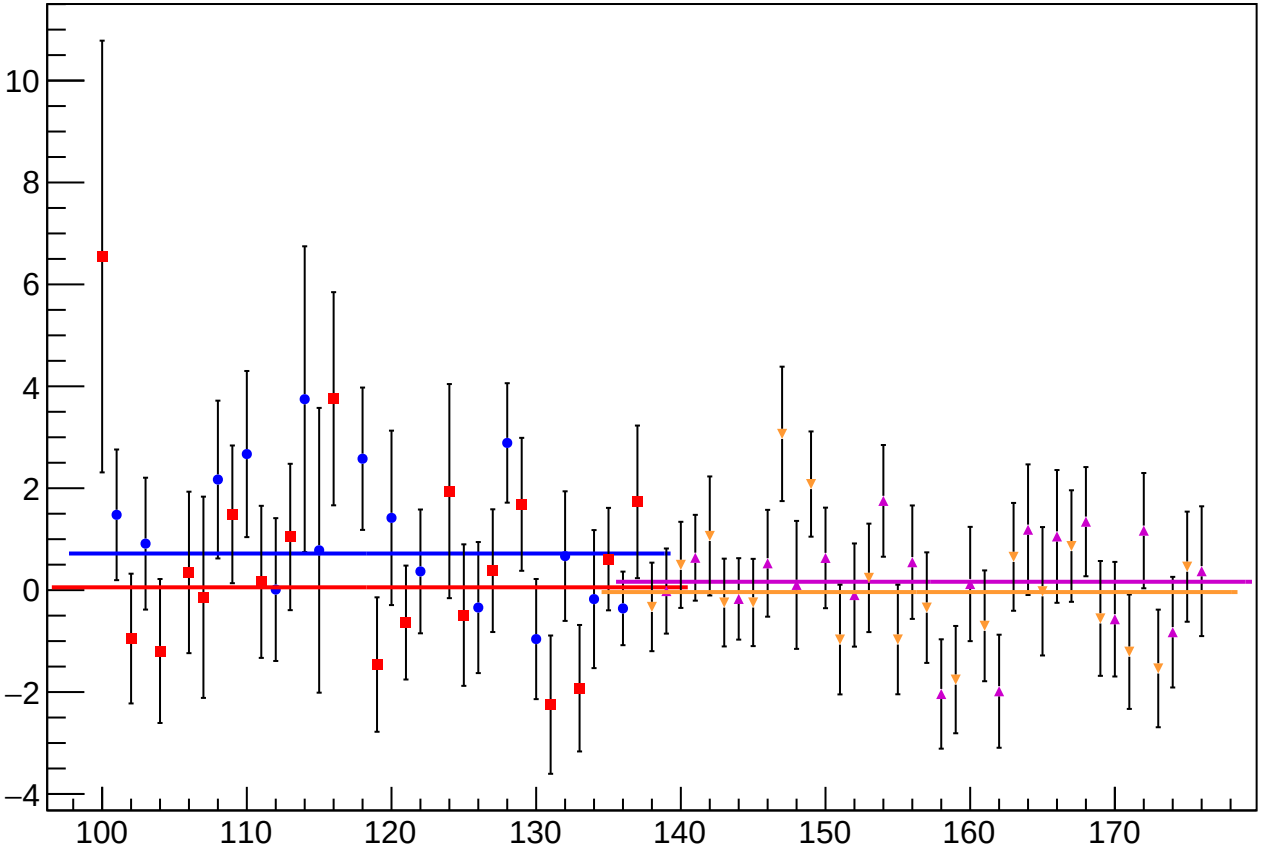
Left In: 6590.351+/-1.198 χ^2/NDF:560520.6/18

+ sign 6920.625+/-1.038 χ^2/NDF: 1393567.5/35

All: 6871.117+/-0.730 χ^2/NDF: 2928814.7/73

- sign 6822.567+/-1.027 χ^2/NDF: 1530737.4/37

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.038+/-0.233 χ^2/NDF:20.3/19

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

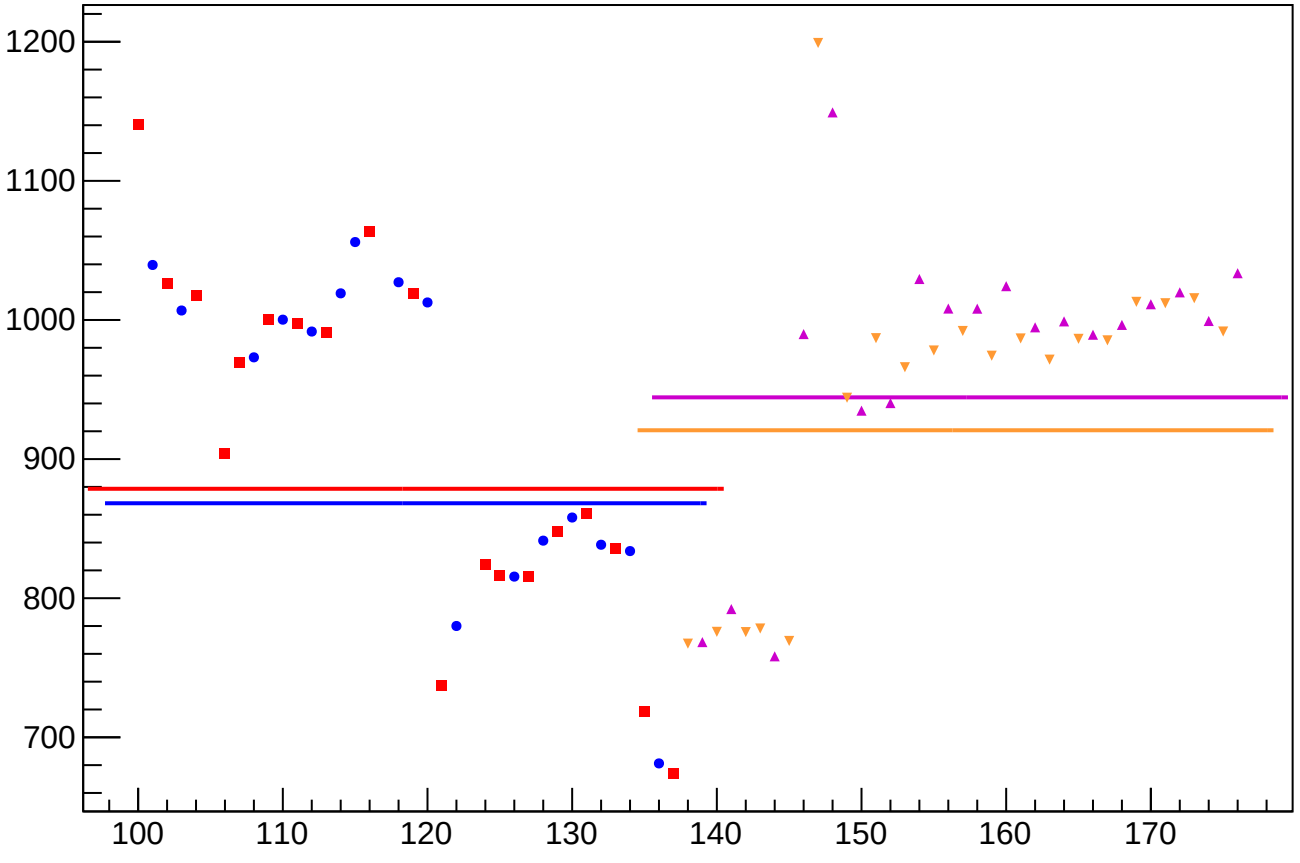
Left In: 0.164+/-0.241 χ^2/NDF:15.5/18

+ sign 0.218+/-0.189 χ^2/NDF: 38.6/35

All: 0.173+/-0.135 χ^2/NDF: 74.1/73

- sign 0.125+/-0.193 χ^2/NDF: 35.4/37

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 920.721+/-0.165 χ^2/NDF:463464.3/19

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

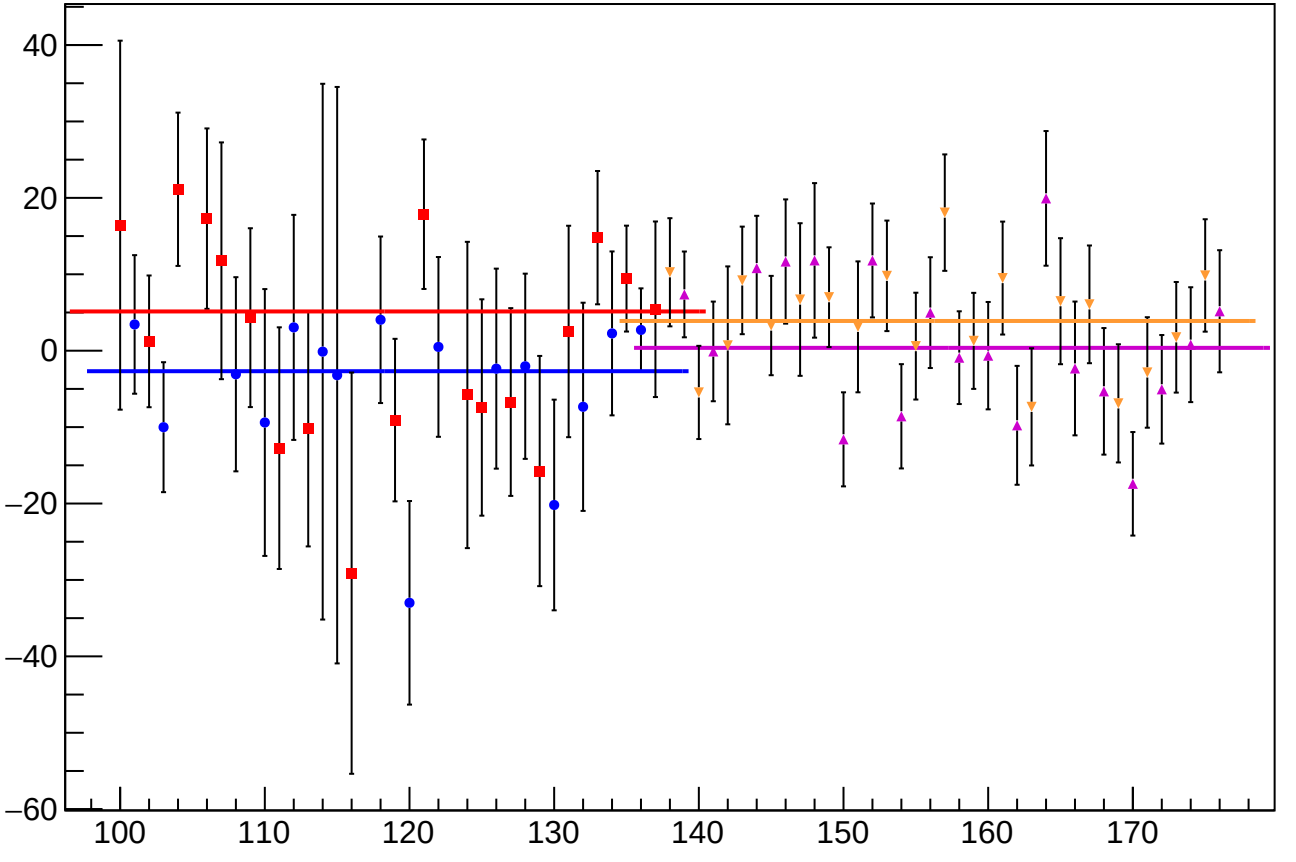
Left In: 944.377+/-0.171 χ^2/NDF:401492.0/18

+ sign 902.987+/-0.134 χ^2/NDF: 800187.7/35

All: 911.749+/-0.096 χ^2/NDF: 1536009.2/73

- sign 920.875+/-0.137 χ^2/NDF: 727091.1/37

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.890+/-1.645 χ^2/NDF:15.1/19

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

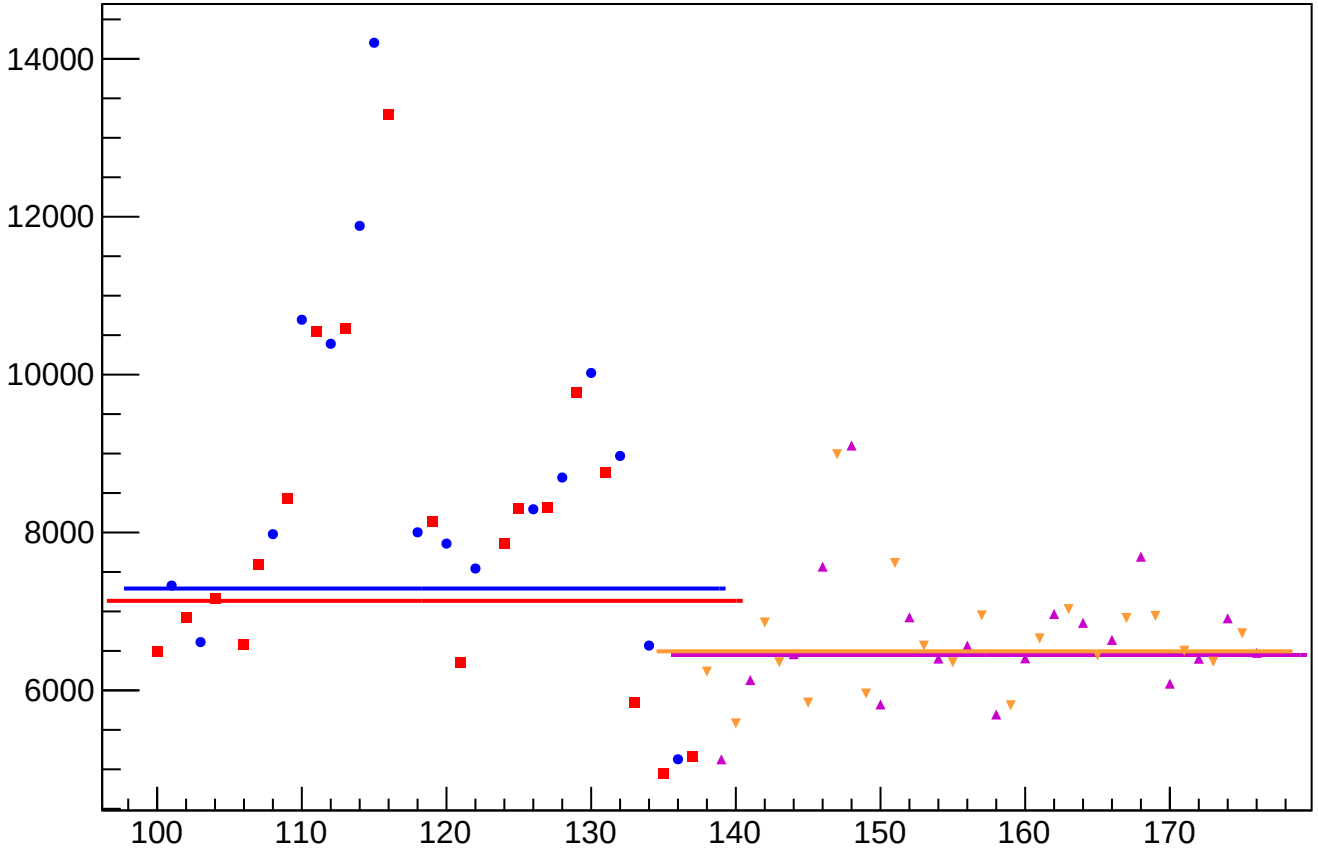
Left In: 0.372+/-1.653 χ^2/NDF:30.5/18

+ sign 2.193+/-1.417 χ^2/NDF: 29.3/35

All: 1.934+/-0.999 χ^2/NDF: 79.4/73

- sign 1.677+/-1.409 χ^2/NDF: 50.0/37

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6494.874+/-1.163 χ^2/NDF:301193.3/19

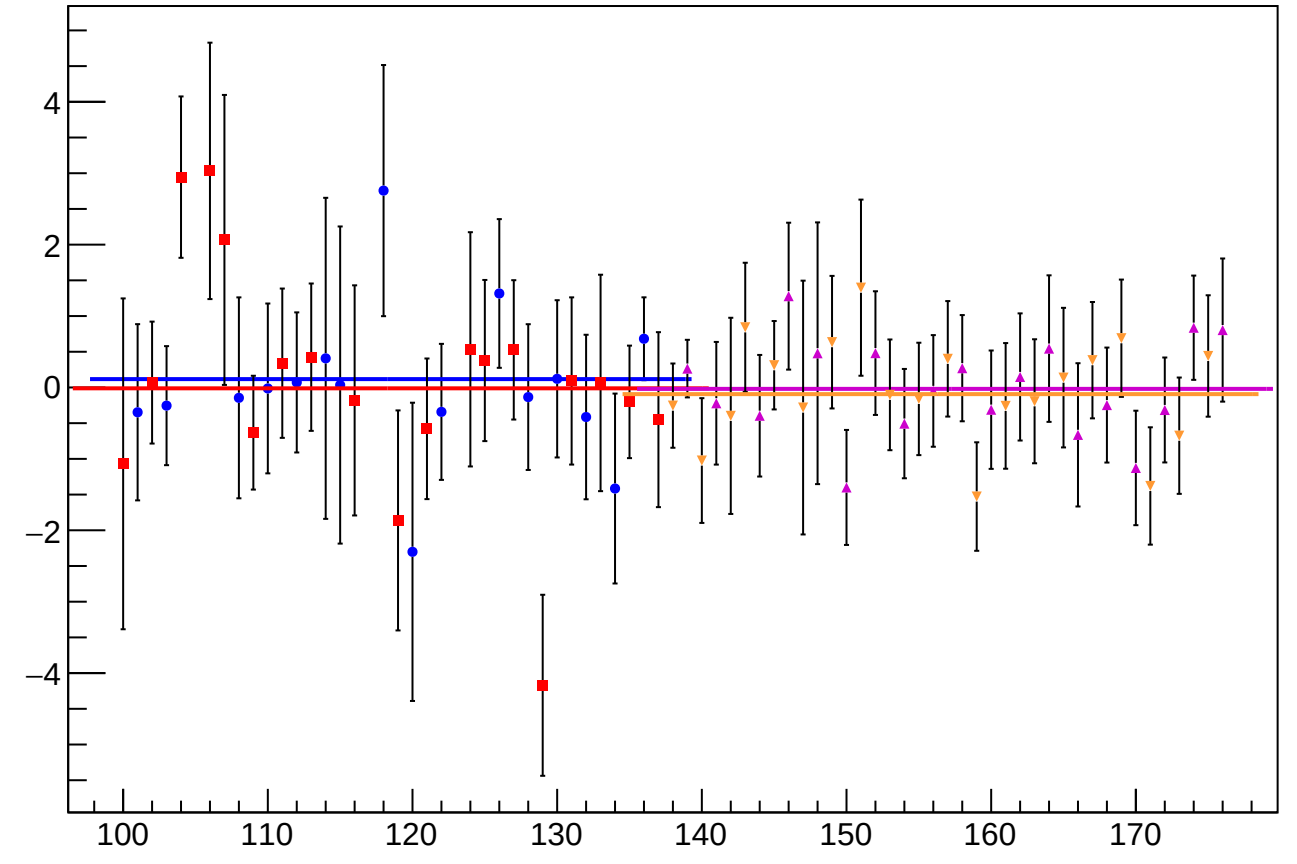
Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6448.610+/-1.169 χ^2/NDF:424595.7/18

+ sign 6700.214+/-1.002 χ^2/NDF: 1192446.3/35

All: 6668.155+/-0.706 χ^2/NDF: 2506121.3/73

- sign 6636.450+/-0.996 χ^2/NDF: 1311637.8/37



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.093+/-0.188 χ^2/NDF:13.5/19

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

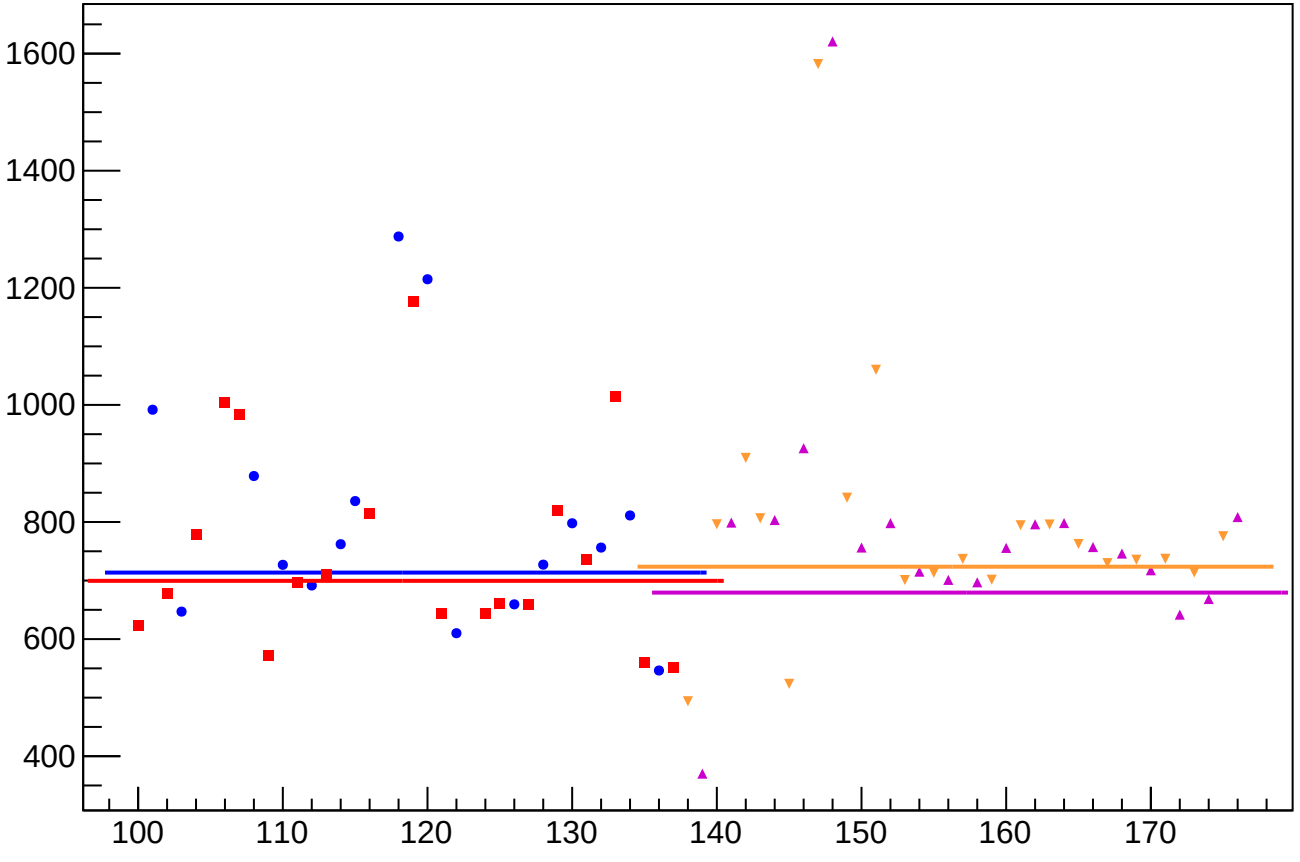
Left In: -0.020+/-0.181 χ^2/NDF:11.3/18

+ sign -0.026+/-0.155 χ^2/NDF: 22.0/35

All: -0.021+/-0.107 χ^2/NDF: 58.5/73

- sign -0.017+/-0.149 χ^2/NDF: 36.5/37

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 723.678+/-0.133 χ^2/NDF:1270566.7/19

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

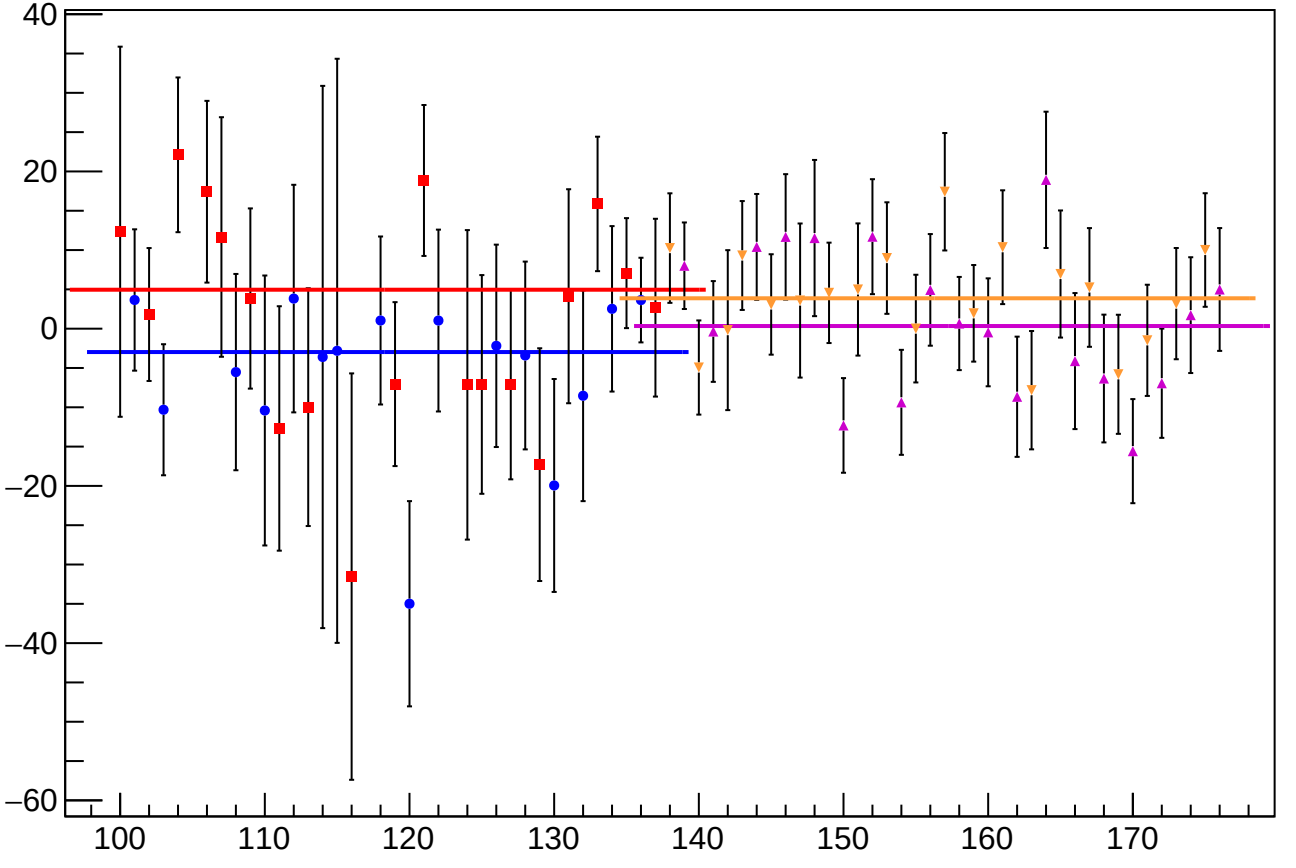
Left In: 679.424+/-0.128 χ^2/NDF:2109947.5/18

+ sign 720.444+/-0.110 χ^2/NDF: 1971707.2/35

All: 702.467+/-0.076 χ^2/NDF: 4717130.7/73

- sign 685.854+/-0.105 χ^2/NDF: 2693619.1/37

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.866+/-1.613 χ^2/NDF:14.4/19

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

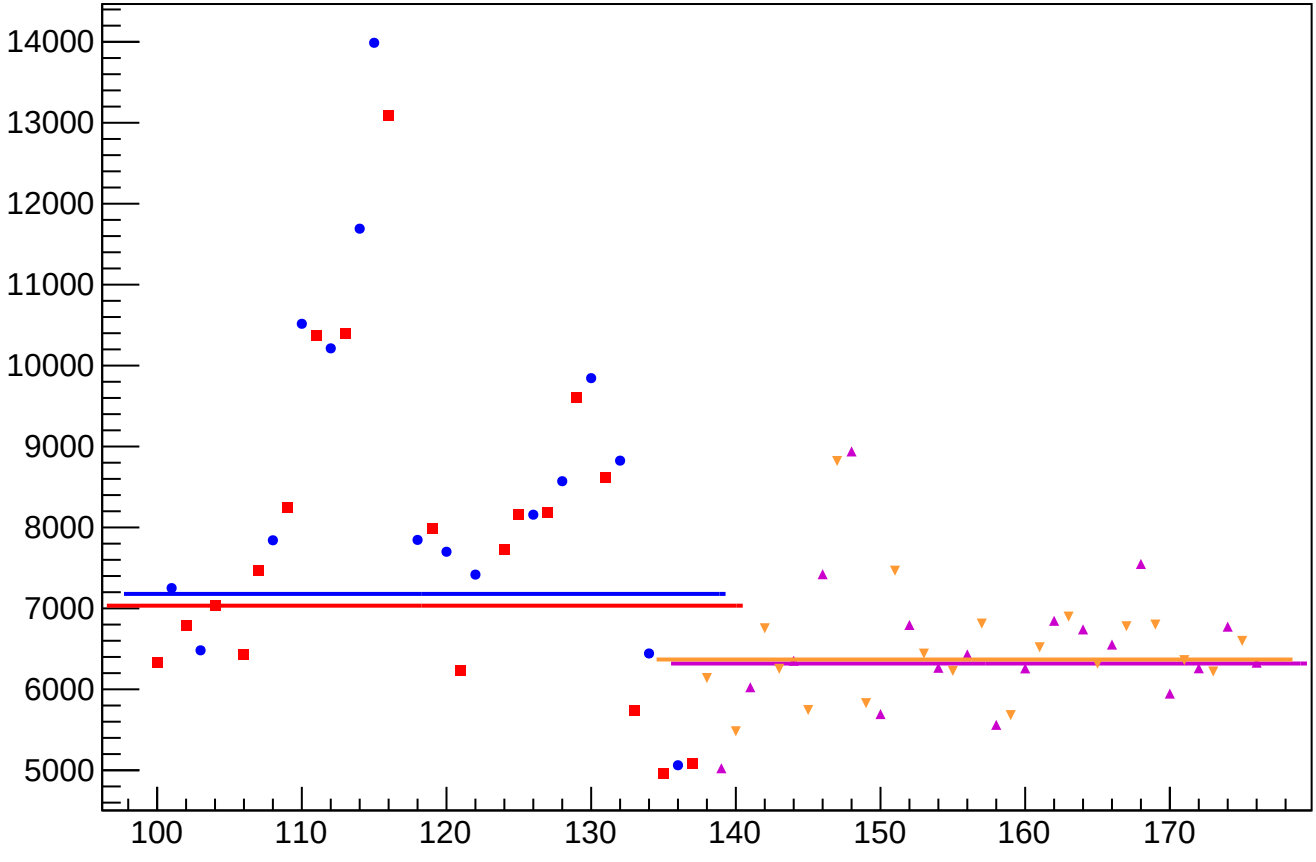
Left In: 0.337+/-1.621 χ^2/NDF:31.0/18

+ sign 2.112+/-1.391 χ^2/NDF: 30.6/35

All: 1.850+/-0.981 χ^2/NDF: 82.4/73

- sign 1.592+/-1.383 χ^2/NDF: 51.7/37

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6368.422+/-1.141 χ^2/NDF:301427.3/19

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

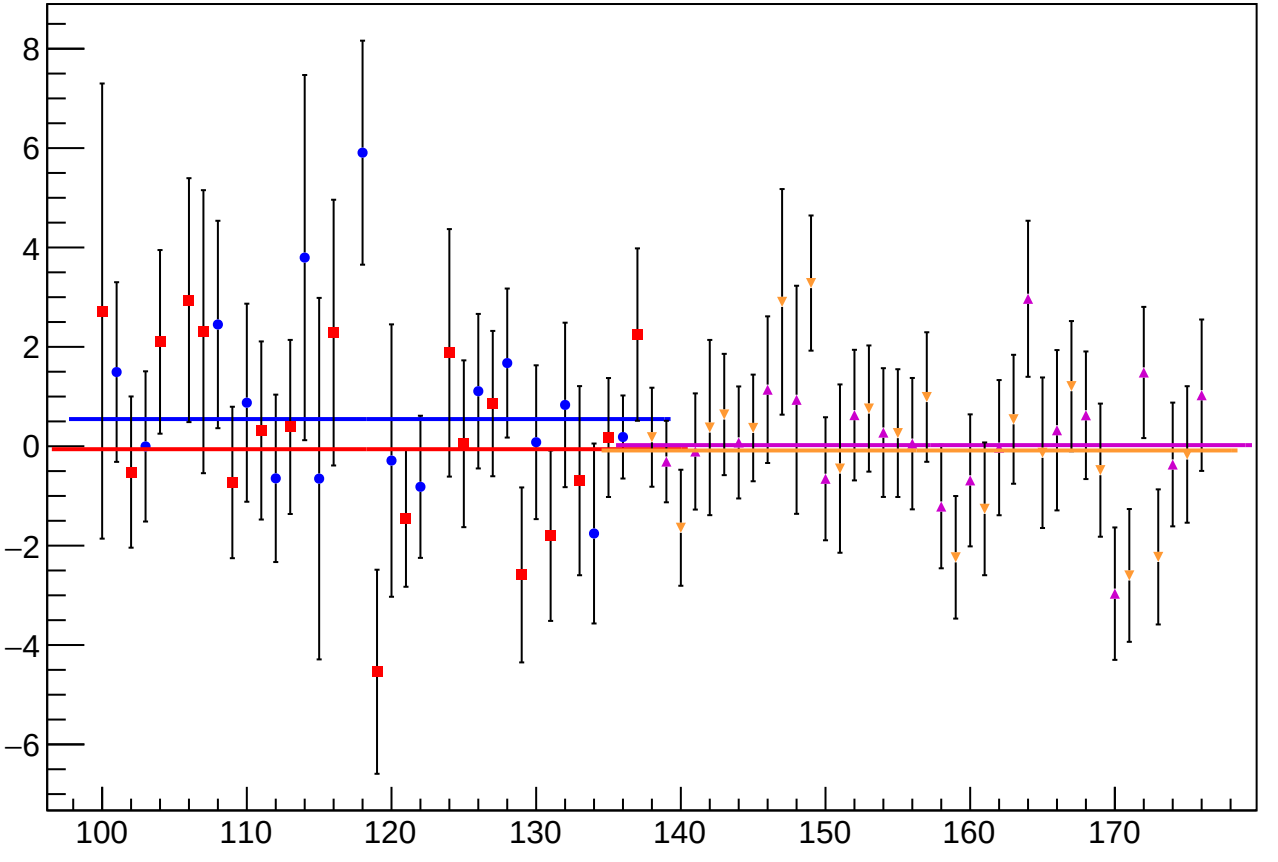
Left In: 6318.958+/-1.146 χ^2/NDF:431338.3/18

+ sign 6576.341+/-0.983 χ^2/NDF: 1192898.0/35

All: 6544.550+/-0.693 χ^2/NDF: 2498360.4/73

- sign 6513.117+/-0.978 χ^2/NDF: 1303384.4/37

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.085+/-0.295 χ^2/NDF:22.7/19

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

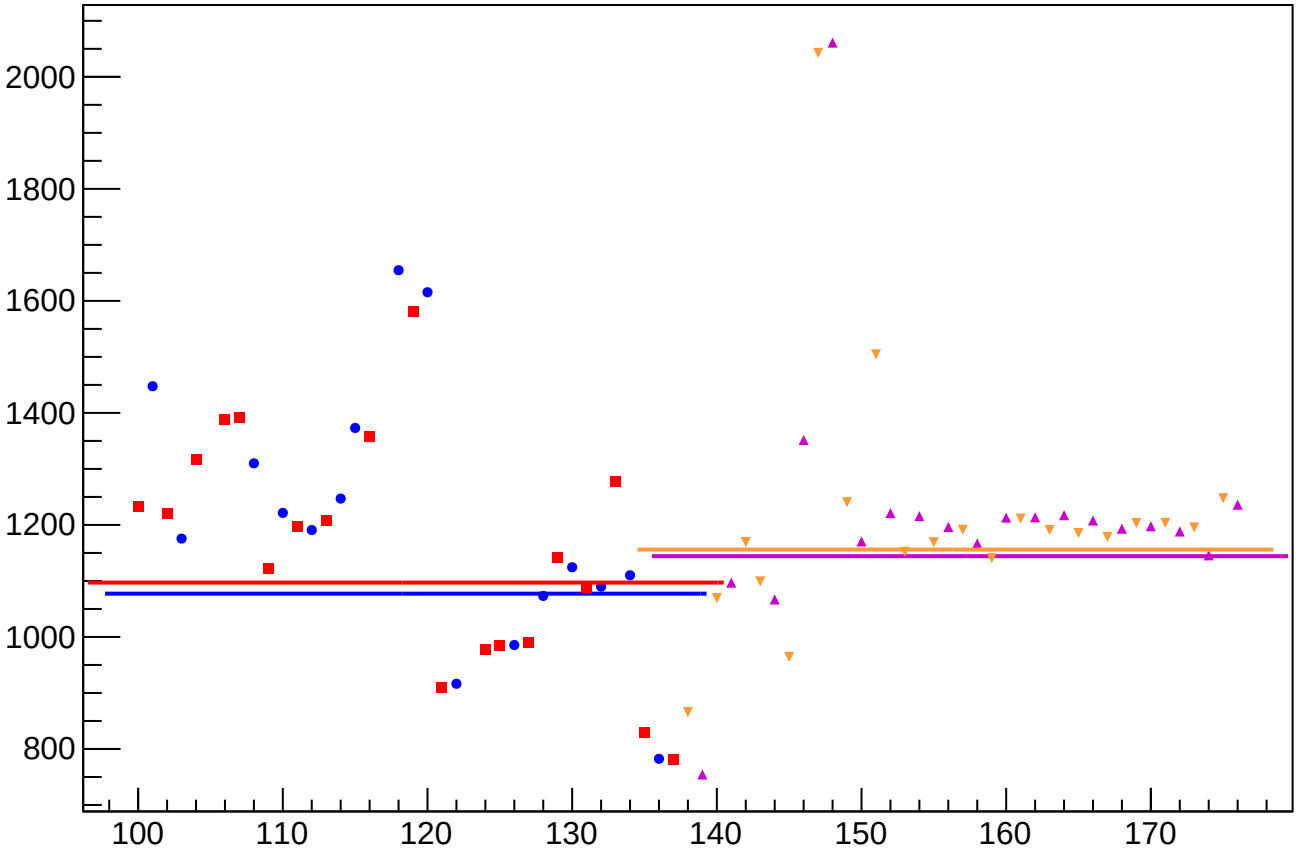
Left In: 0.023+/-0.296 χ^2/NDF:13.3/18

+ sign 0.130+/-0.239 χ^2/NDF: 36.2/35

All: 0.062+/-0.169 χ^2/NDF: 66.5/73

- sign -0.006+/-0.240 χ^2/NDF: 30.2/37

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1155.981+/-0.208 χ^2/NDF:670542.9/19

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

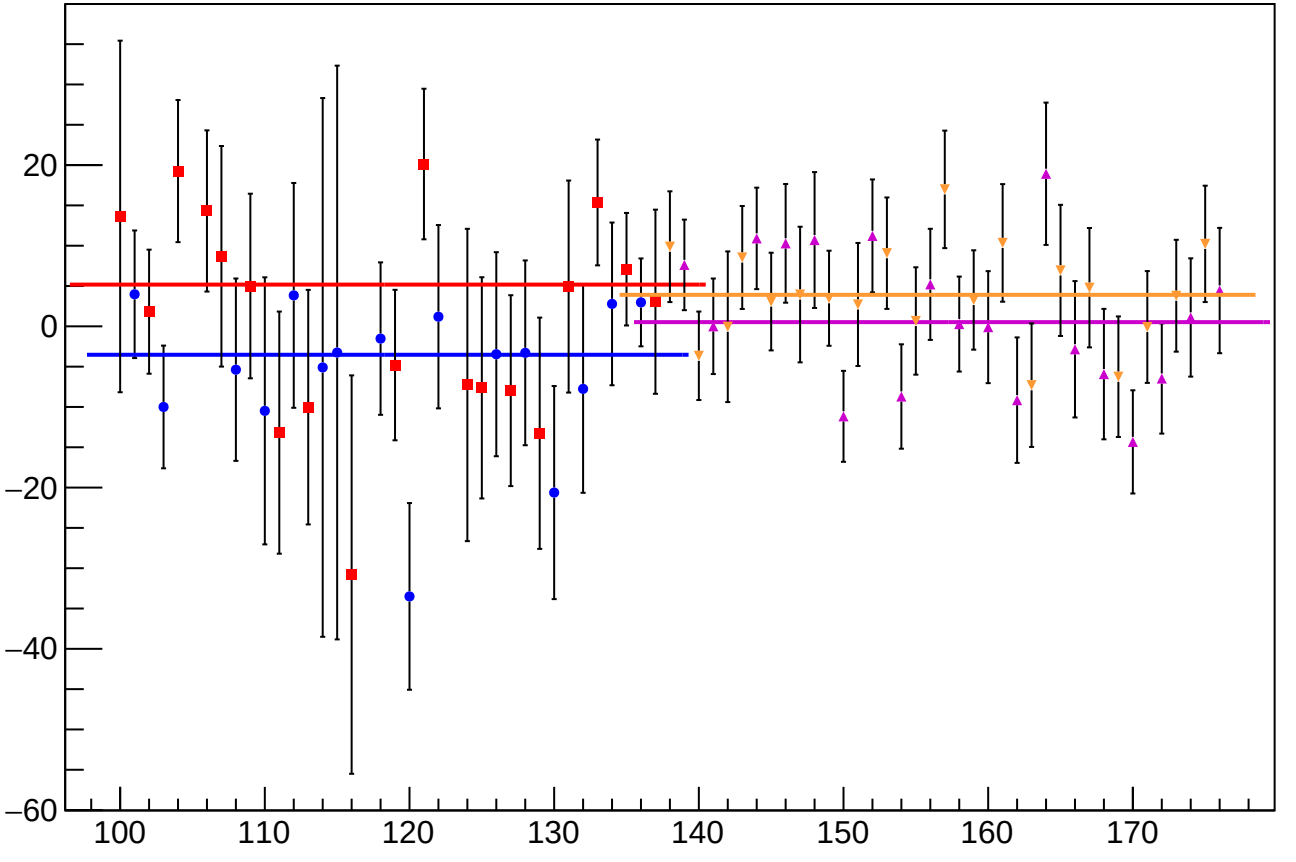
Left In: 1144.208+/-0.209 χ^2/NDF:874564.0/18

+ sign 1129.261+/-0.169 χ^2/NDF: 1365490.6/35

All: 1128.639+/-0.120 χ^2/NDF: 2741869.9/73

- sign 1128.014+/-0.170 χ^2/NDF: 1376352.2/37

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.907+/-1.554 χ^2/NDF:13.5/19

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

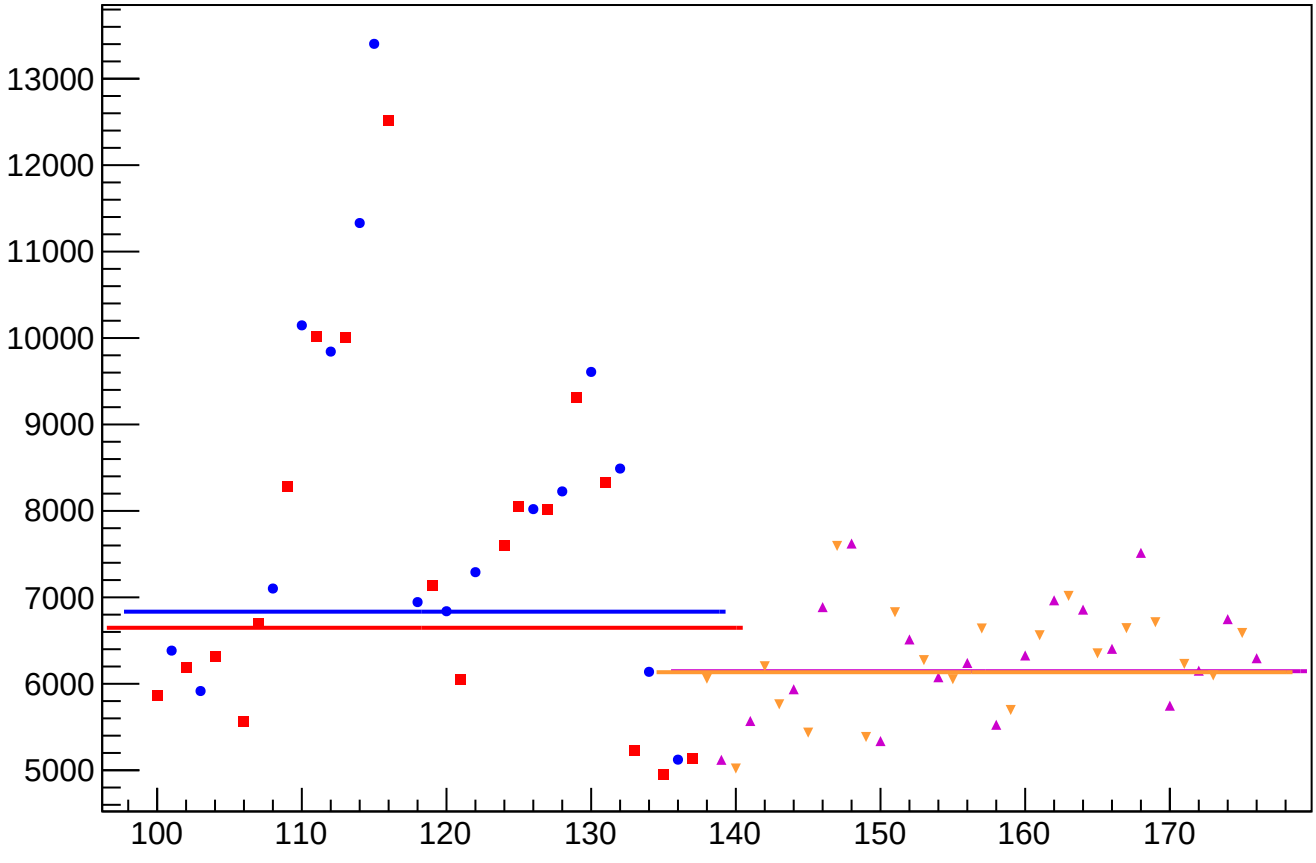
Left In: 0.522+/-1.574 χ^2/NDF:30.1/18

+ sign 1.960+/-1.335 χ^2/NDF: 32.1/35

All: 1.898+/-0.943 χ^2/NDF: 82.8/73

- sign 1.836+/-1.333 χ^2/NDF: 50.7/37

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6134.153+/-1.099 χ^2/NDF:310818.4/19

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

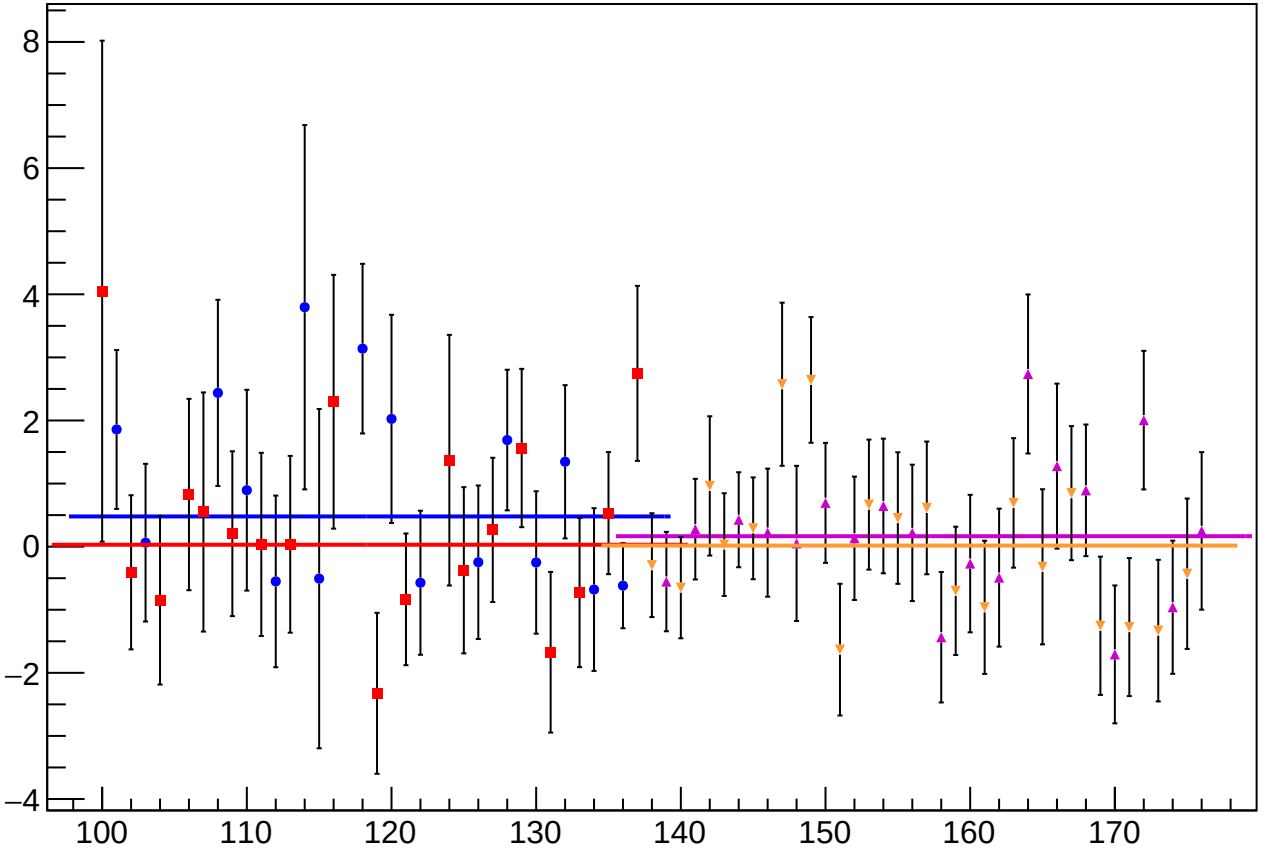
Left In: 6145.716+/-1.113 χ^2/NDF:356573.7/18

+ sign 6317.546+/-0.944 χ^2/NDF: 1109931.9/35

All: 6302.549+/-0.667 χ^2/NDF: 2309672.9/73

- sign 6287.593+/-0.943 χ^2/NDF: 1199236.8/37

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.017+/-0.225 χ^2/NDF:22.7/19

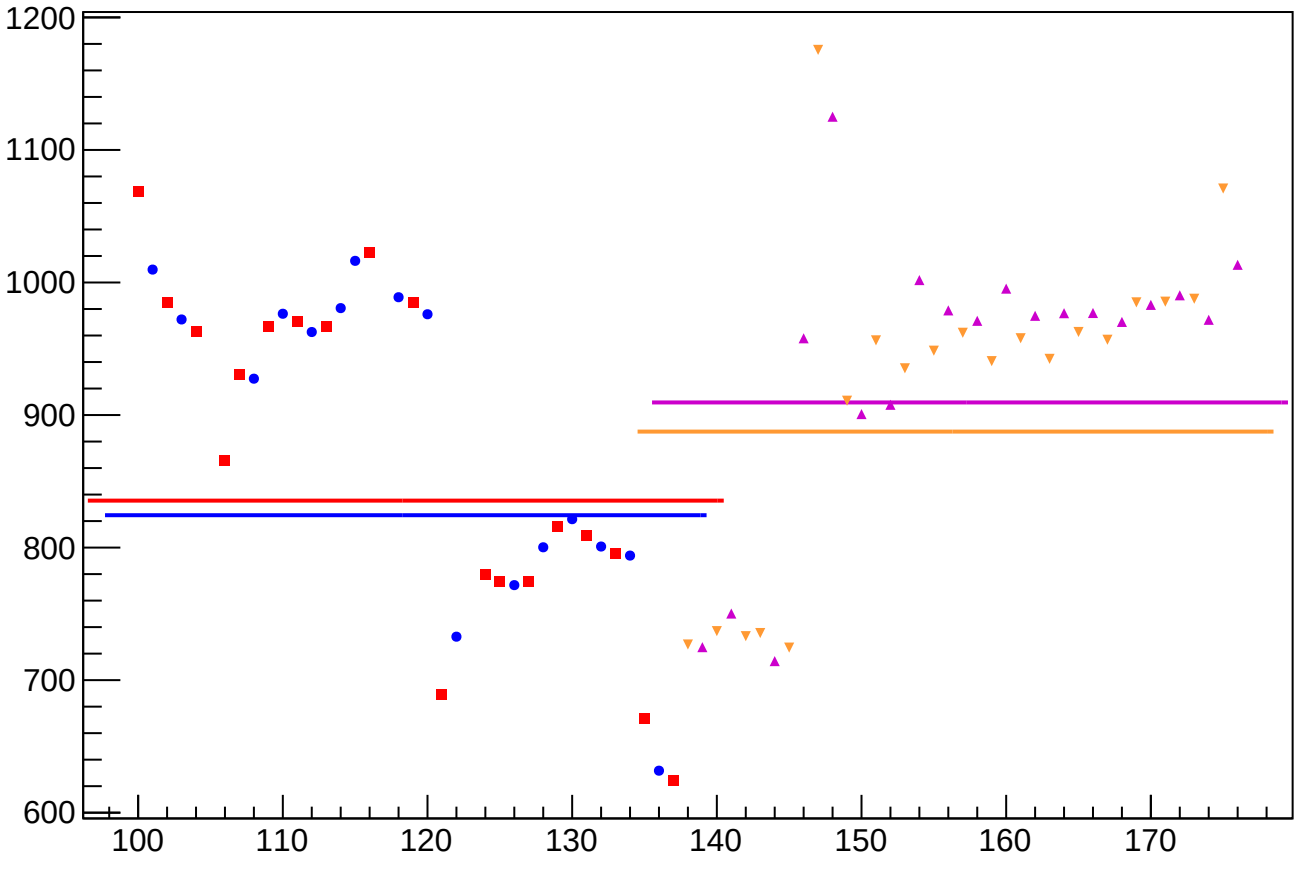
Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: 0.165+/-0.233 χ^2/NDF:16.7/18

+ sign 0.176+/-0.182 χ^2/NDF: 40.9/35

All: 0.147+/-0.130 χ^2/NDF: 73.5/73

- sign 0.116+/-0.186 χ^2/NDF: 32.5/37



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 887.514+/-0.159 χ^2/NDF:598345.7/19

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

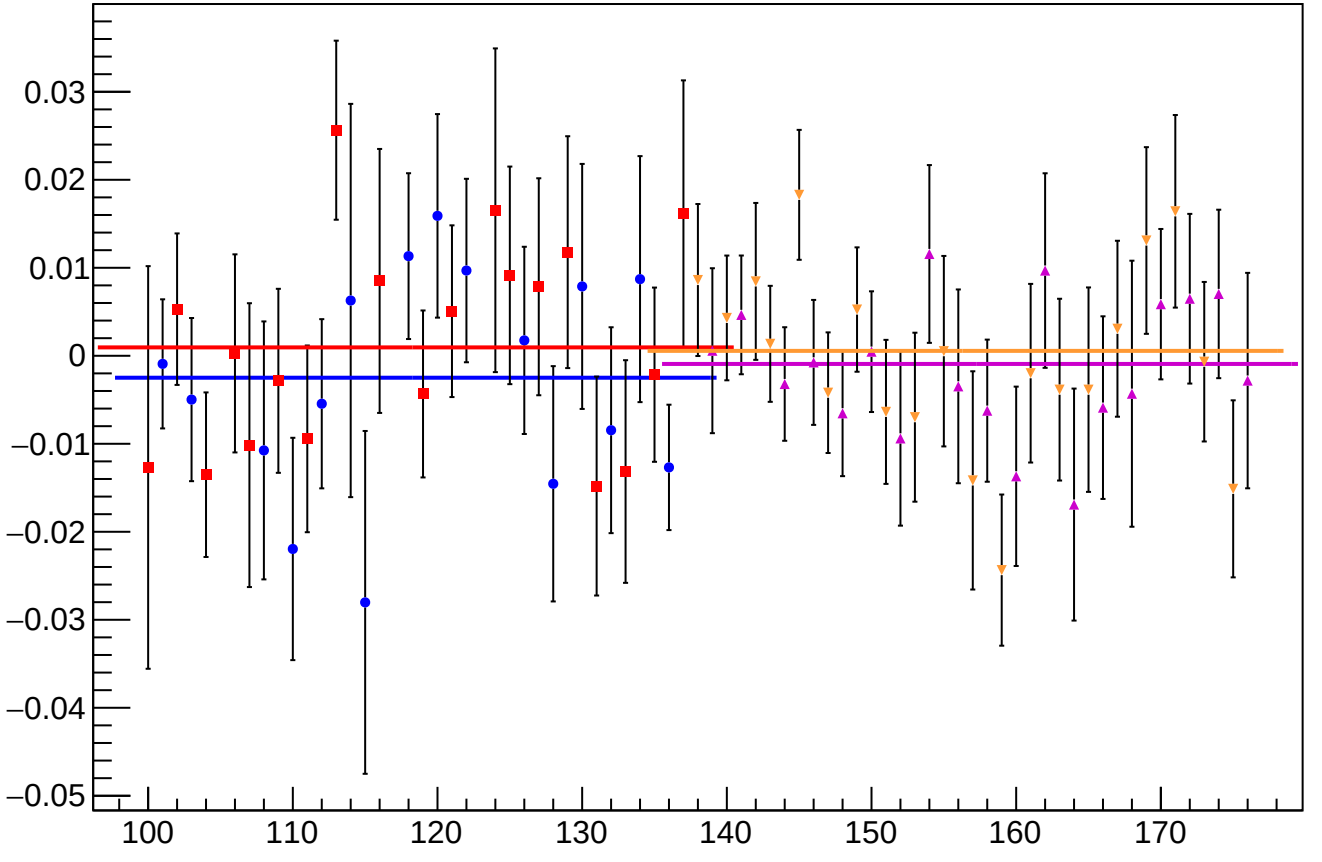
Left In: 909.501+/-0.165 χ^2/NDF:498613.6/18

+ sign 865.789+/-0.129 χ^2/NDF: 1017827.5/35

All: 874.033+/-0.092 χ^2/NDF: 1917463.5/73

- sign 882.601+/-0.131 χ^2/NDF: 891303.1/37

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:26.2/19

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

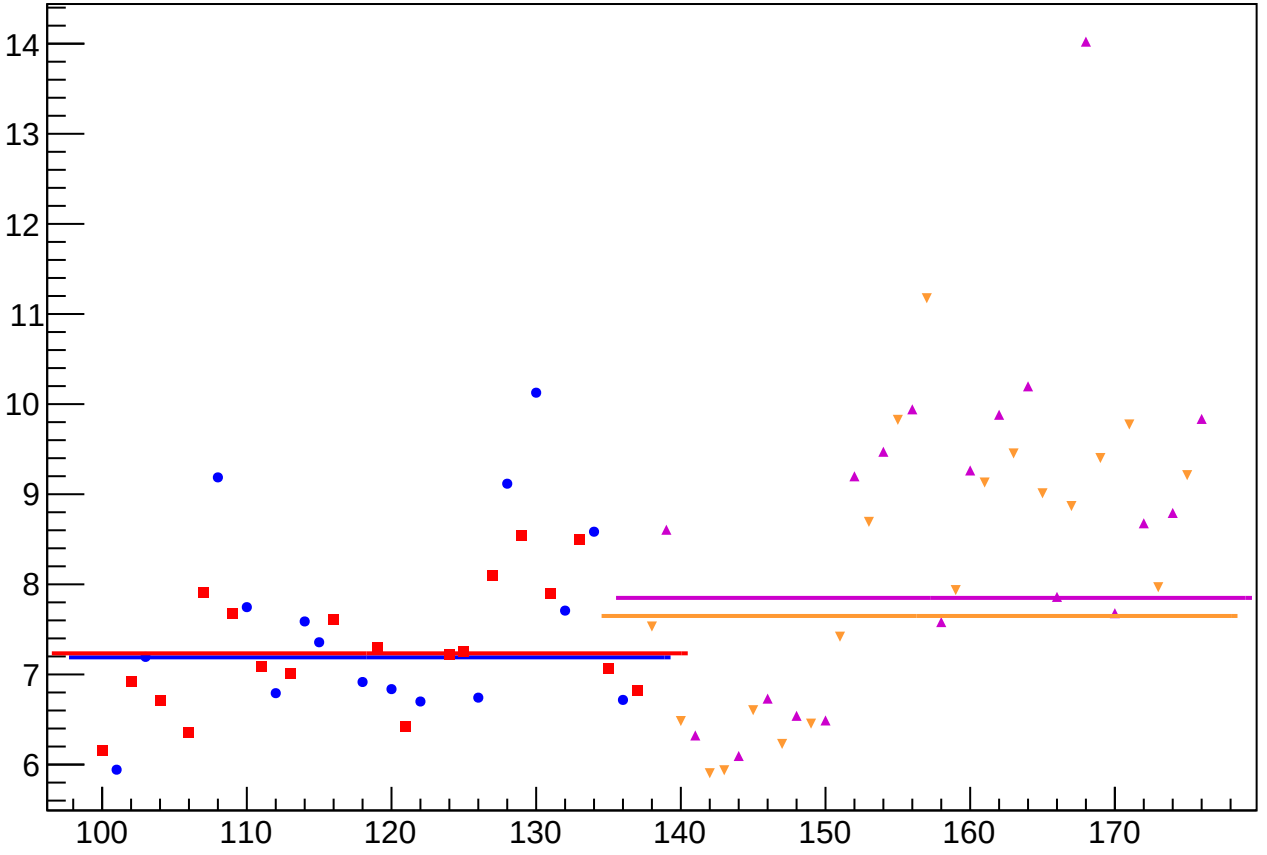
Left In: -0.001+/-0.002 χ^2/NDF:10.4/18

+ sign -0.000+/-0.002 χ^2/NDF: 42.3/35

All: -0.000+/-0.001 χ^2/NDF: 70.4/73

- sign -0.000+/-0.002 χ^2/NDF: 28.0/37

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.649+/-0.001 χ^2/NDF:1060948.6/19

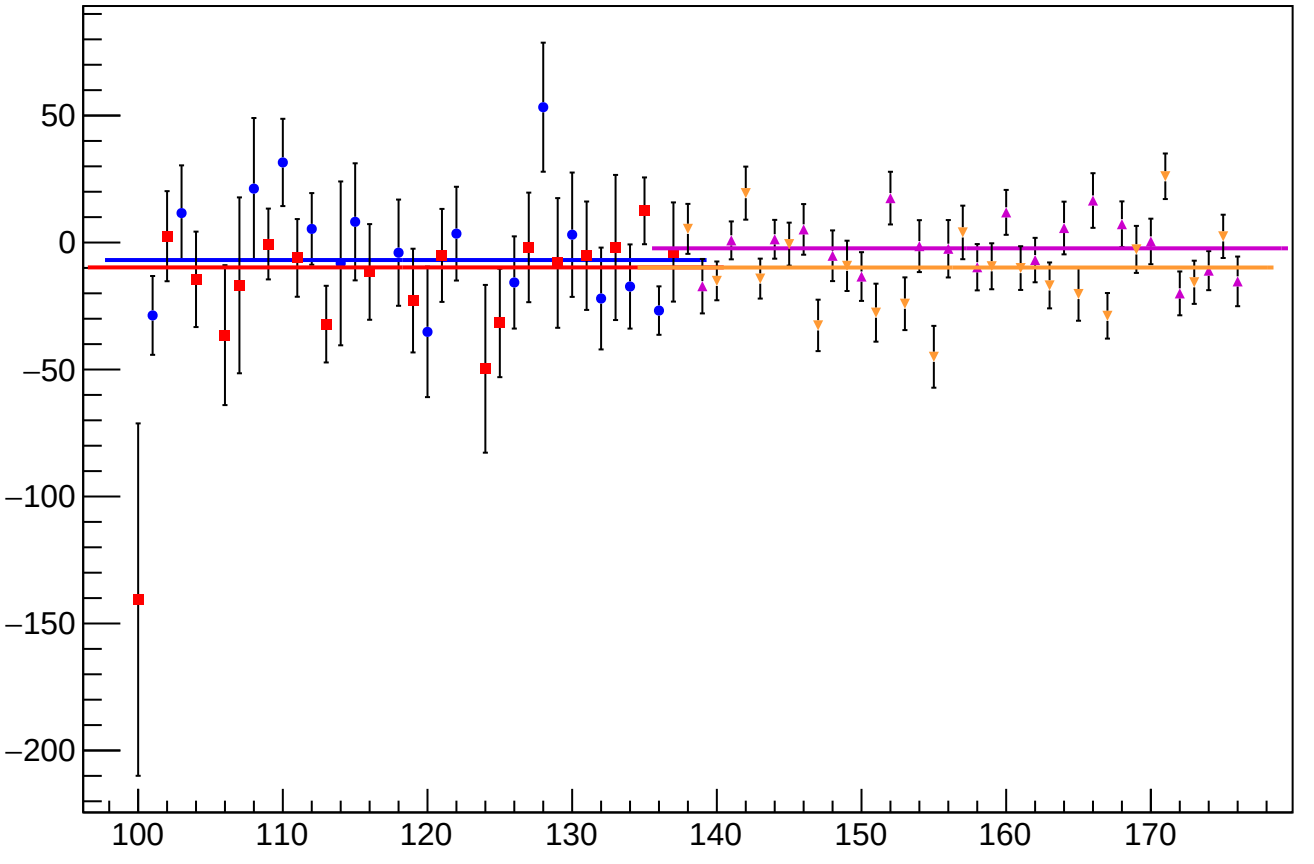
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.850+/-0.001 χ^2/NDF:1212326.2/18

+ sign 7.491+/-0.001 χ^2/NDF: 1376236.9/35

All: 7.555+/-0.001 χ^2/NDF: 2768996.6/73

- sign 7.622+/-0.001 χ^2/NDF: 1386046.9/37



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -9.834+/-2.083 χ^2/NDF:56.9/19

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

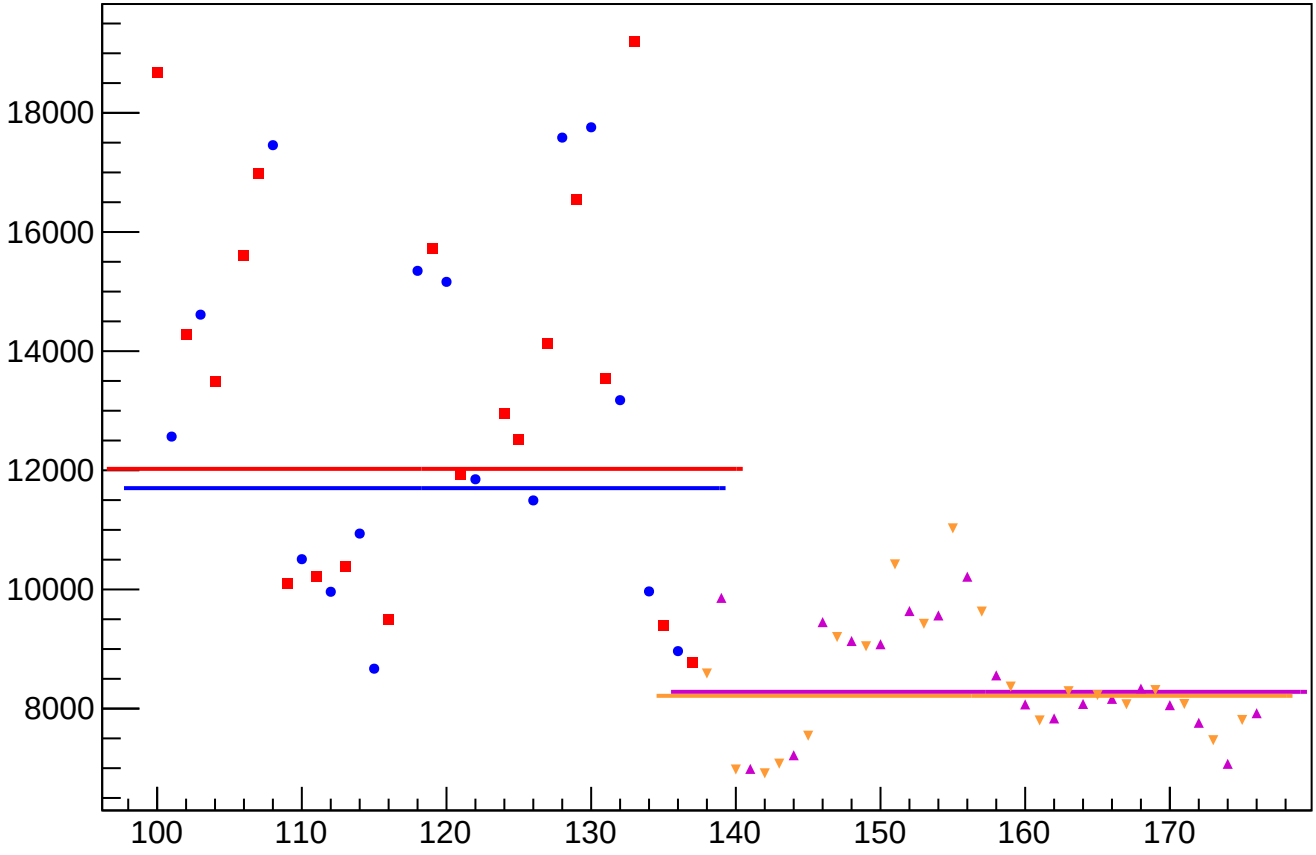
Left In: -2.280+/-2.118 χ^2/NDF:23.6/18

+ sign -9.313+/-1.889 χ^2/NDF: 80.3/35

All: -6.515+/-1.346 χ^2/NDF: 124.6/73

- sign -3.633+/-1.918 χ^2/NDF: 39.9/37

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8214.536+/-1.473 χ^2/NDF:444737.5/19

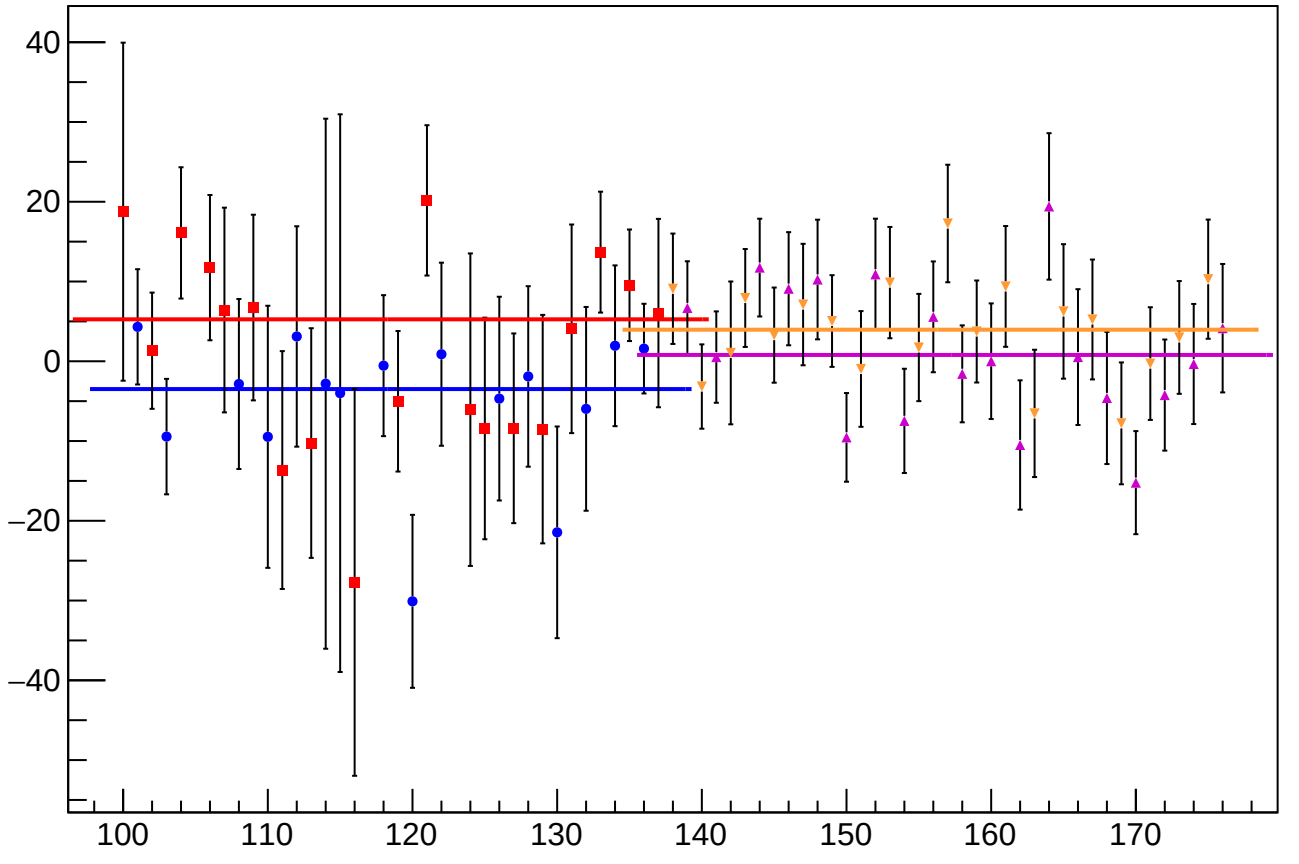
Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8281.273+/-1.498 χ^2/NDF:392143.1/18

+ sign 8832.220+/-1.336 χ^2/NDF: 2177663.7/35

All: 8893.114+/-0.952 χ^2/NDF: 4384433.5/73

- sign 8955.855+/-1.356 χ^2/NDF: 2202551.5/37



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.959+/-1.551 χ^2/NDF:13.5/19

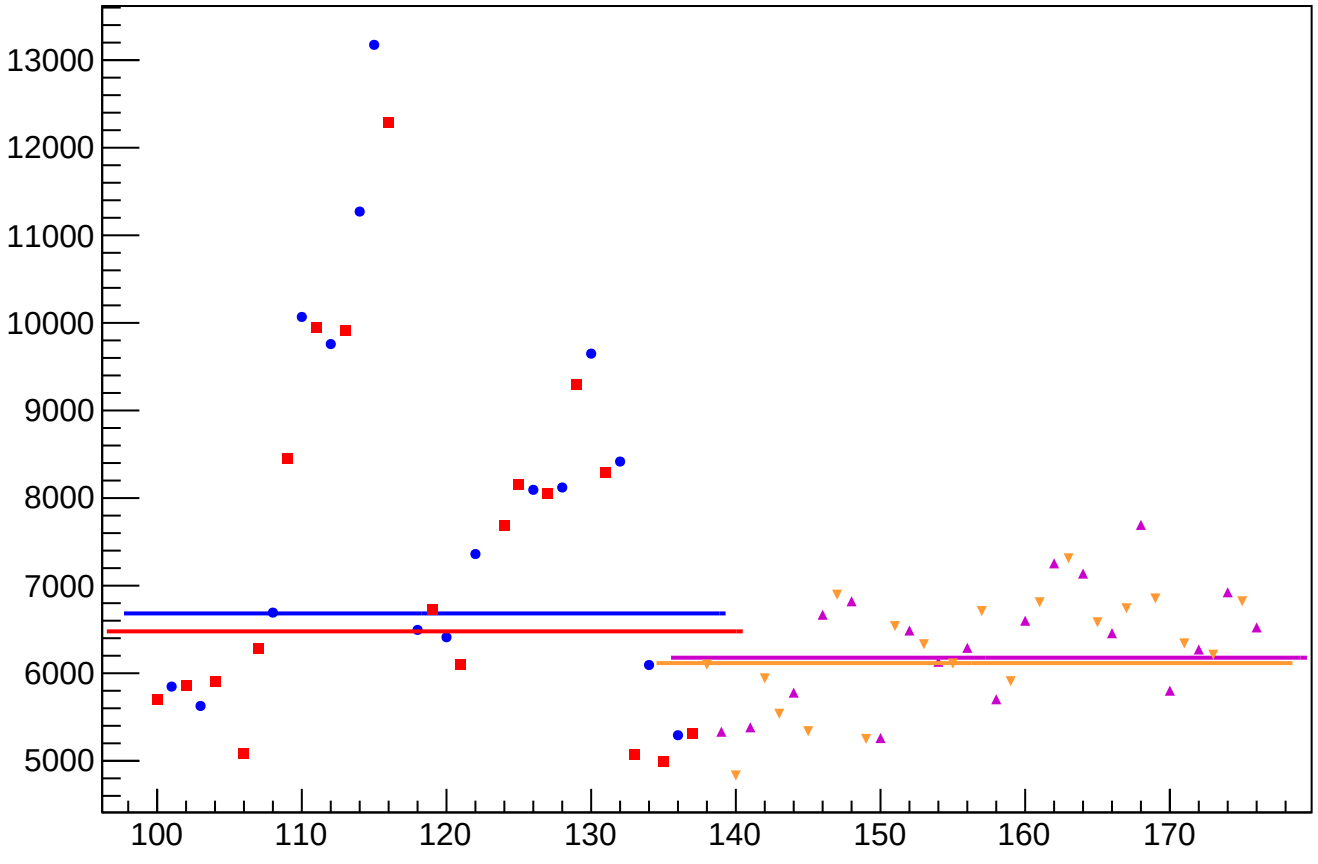
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 0.794+/-1.581 χ^2/NDF:28.3/18

+ sign 1.949+/-1.325 χ^2/NDF: 31.2/35

All: 2.029+/-0.938 χ^2/NDF: 78.4/73

- sign 2.109+/-1.328 χ^2/NDF: 47.3/37



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6115.853+/-1.097 χ^2/NDF:381055.1/19

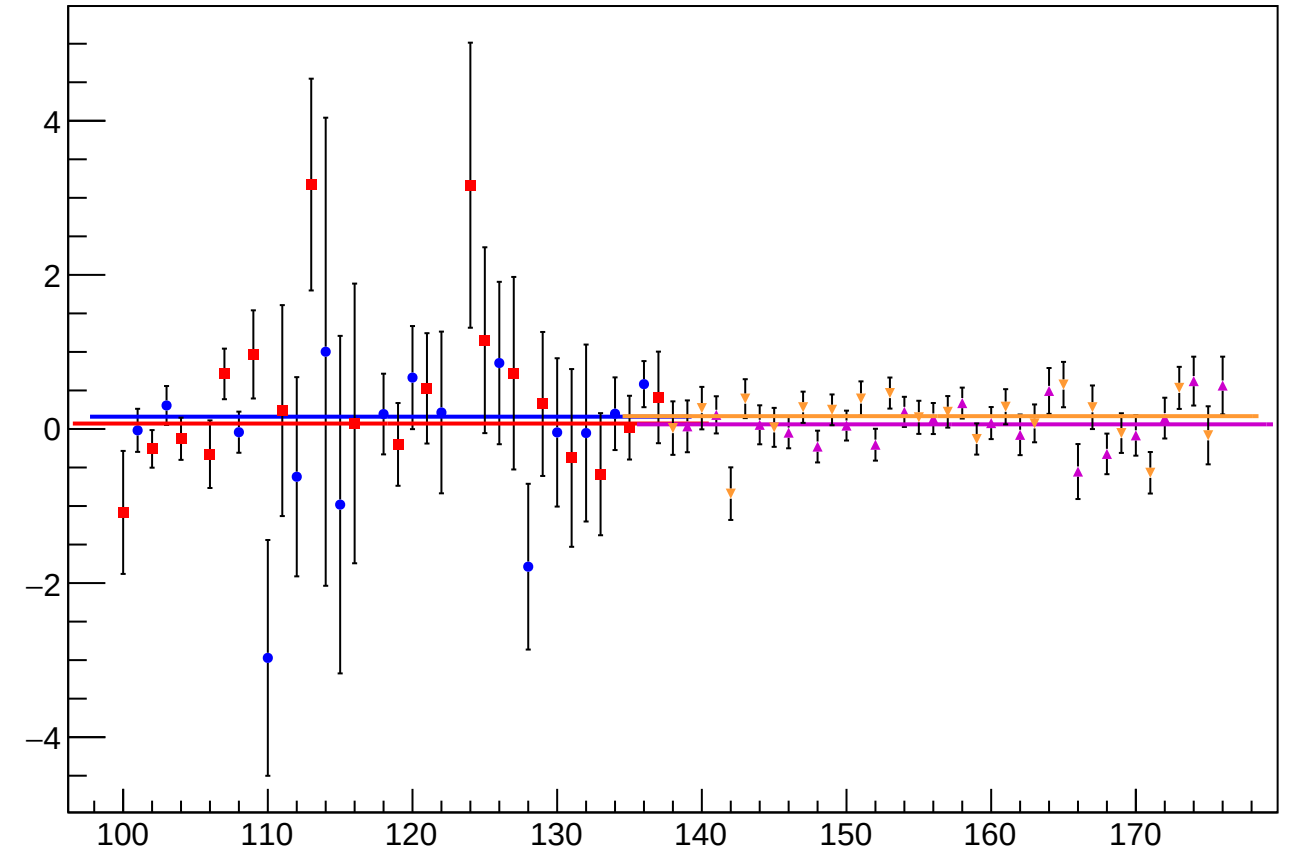
Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6177.562+/-1.118 χ^2/NDF:347897.8/18

+ sign 6268.994+/-0.937 χ^2/NDF: 1145491.4/35

All: 6267.548+/-0.663 χ^2/NDF: 2353918.5/73

- sign 6266.097+/-0.939 χ^2/NDF: 1208422.3/37



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.166+/-0.055 χ^2/NDF:29.1/19

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

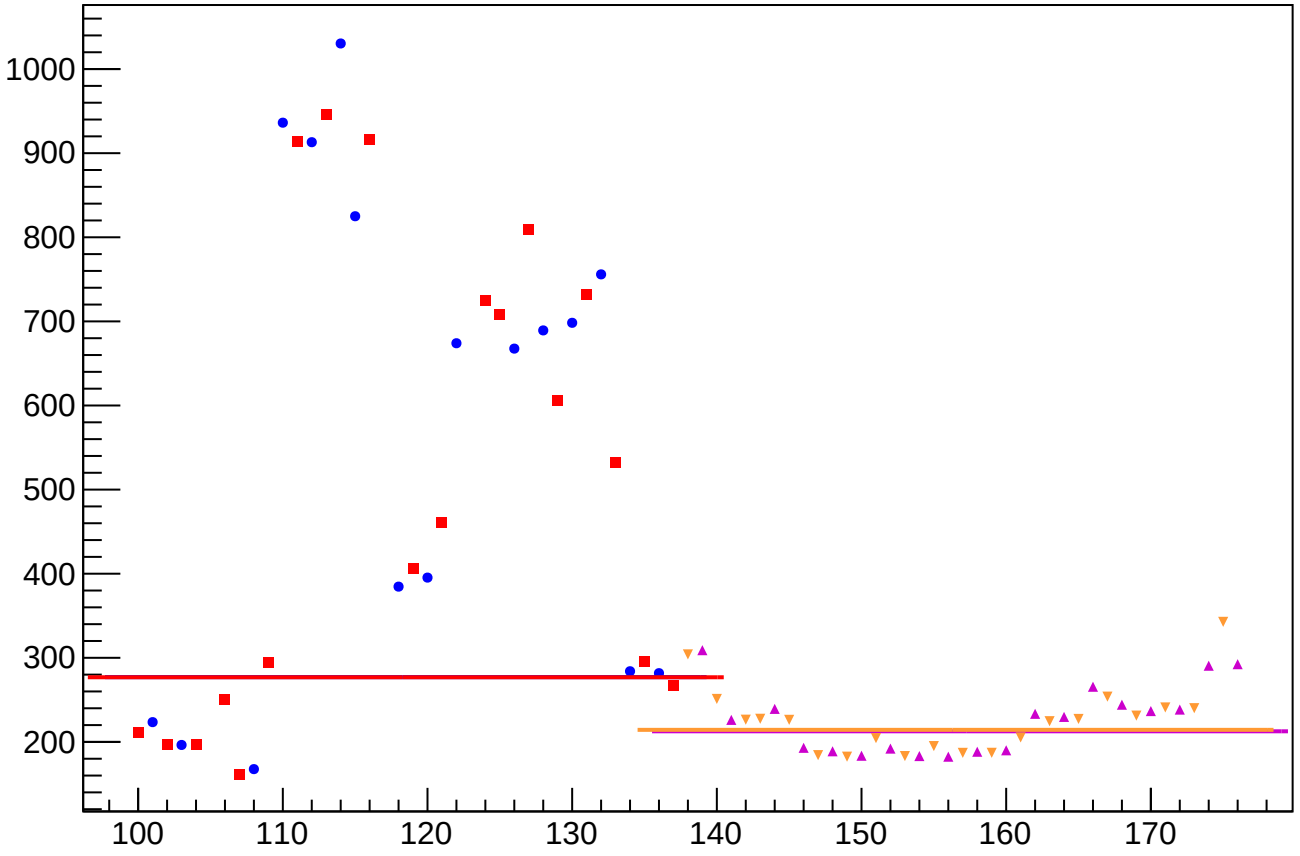
Left In: 0.060+/-0.055 χ^2/NDF:19.7/18

+ sign 0.165+/-0.050 χ^2/NDF: 41.7/35

All: 0.114+/-0.035 χ^2/NDF: 85.9/73

- sign 0.062+/-0.050 χ^2/NDF: 42.1/37

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 214.345+/-0.039 χ^2/NDF:744342.3/19

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

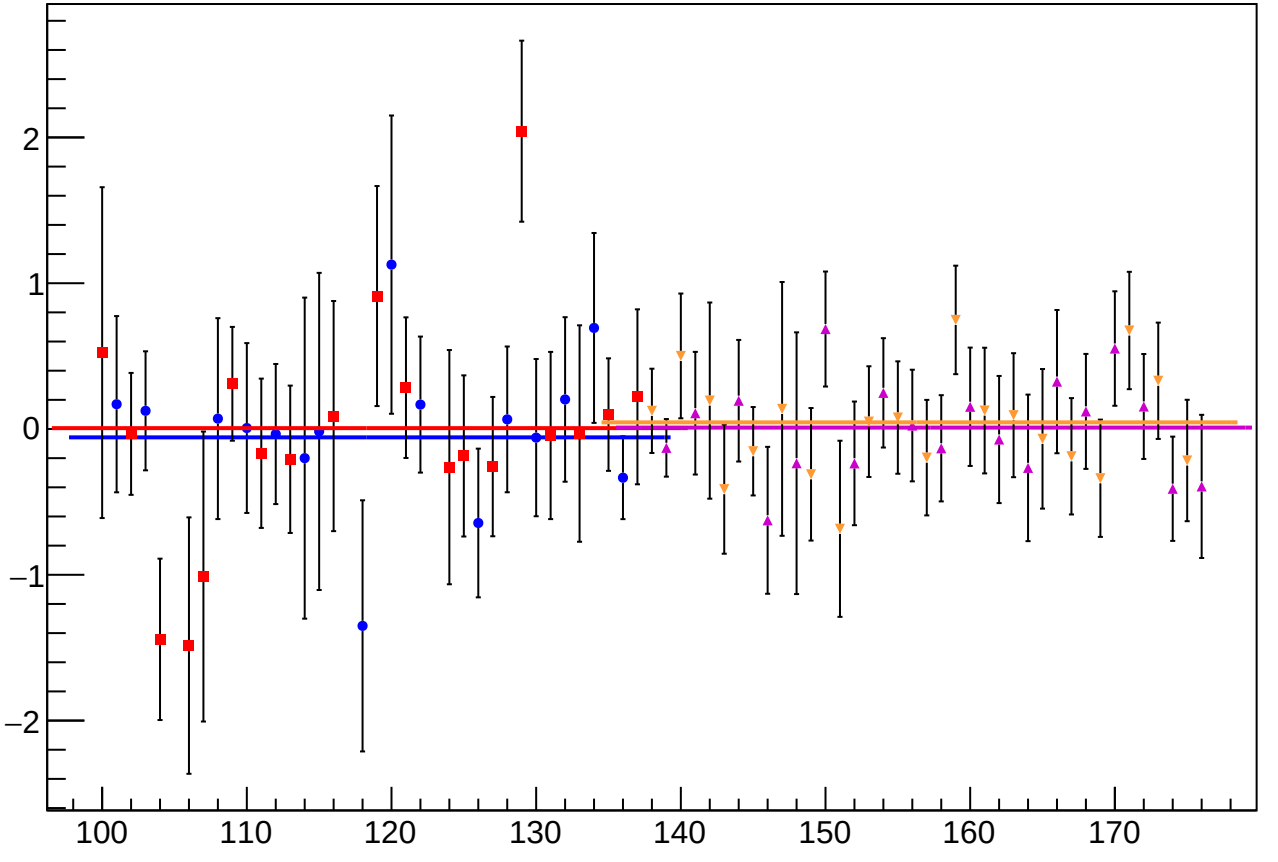
Left In: 212.618+/-0.039 χ^2/NDF:785367.7/18

+ sign 225.179+/-0.035 χ^2/NDF: 4649269.1/35

All: 224.484+/-0.025 χ^2/NDF: 9483095.8/73

- sign 223.784+/-0.035 χ^2/NDF: 4833042.1/37

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.046+/-0.092 χ^2/NDF:13.5/19

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

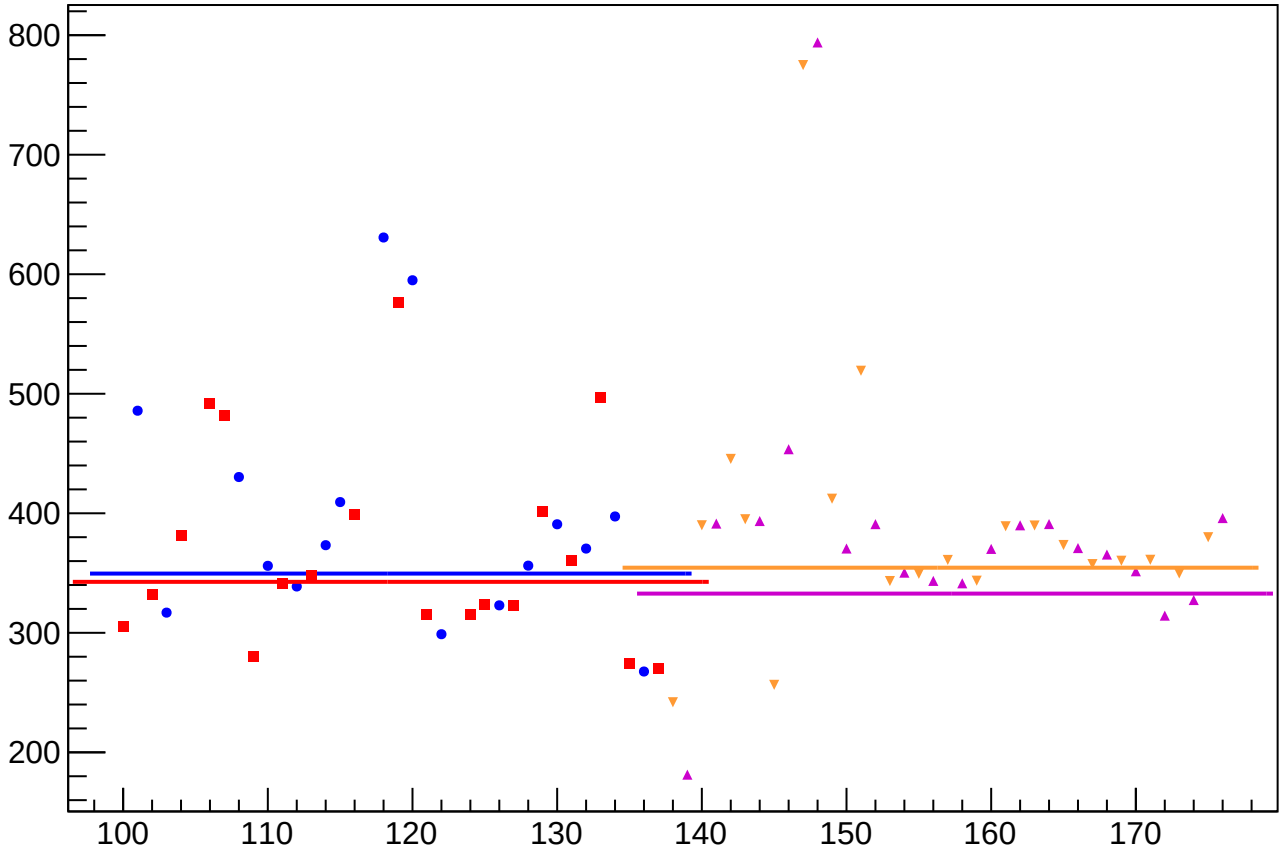
Left In: 0.010+/-0.088 χ^2/NDF:11.3/18

+ sign 0.013+/-0.076 χ^2/NDF: 22.0/35

All: 0.010+/-0.053 χ^2/NDF: 58.5/73

- sign 0.008+/-0.073 χ^2/NDF: 36.5/37

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 354.484+/-0.065 χ^2/NDF:1270566.7/19

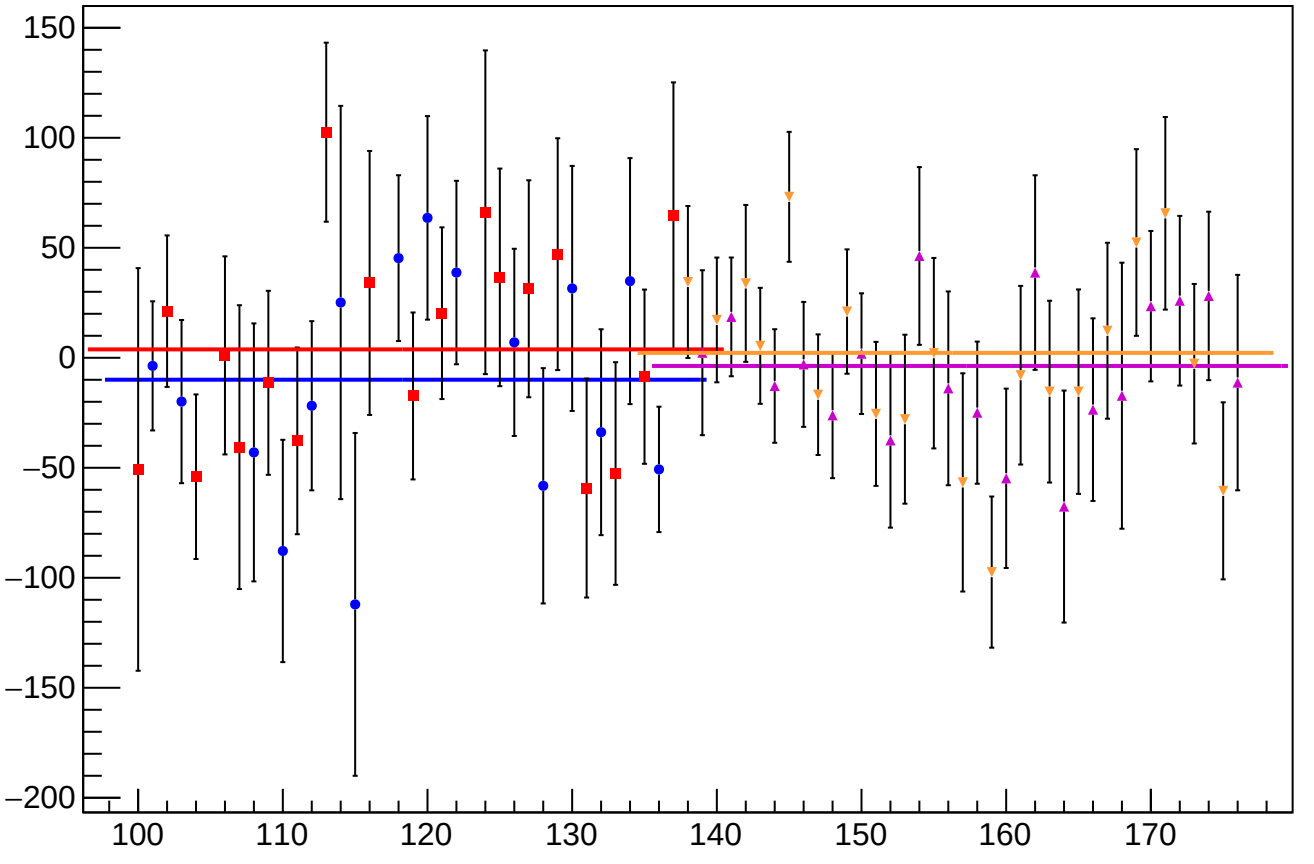
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 332.806+/-0.063 χ^2/NDF:2109947.5/18

+ sign 352.900+/-0.054 χ^2/NDF: 1971707.2/35

All: 344.093+/-0.037 χ^2/NDF: 4717130.7/73

- sign 335.956+/-0.052 χ^2/NDF: 2693619.1/37



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.233+/-7.864 χ^2/NDF:26.2/19

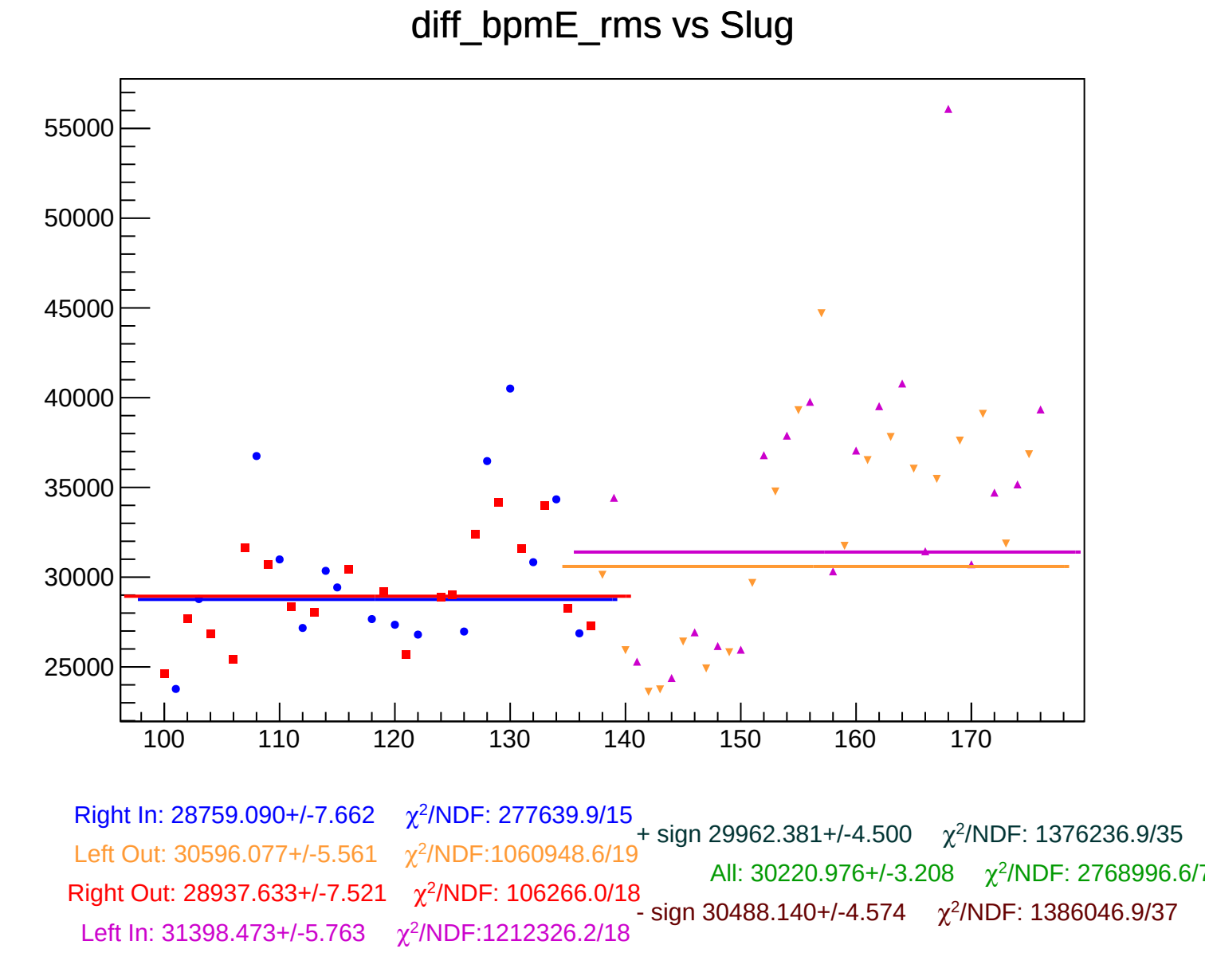
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.710+/-8.150 χ^2/NDF:10.4/18

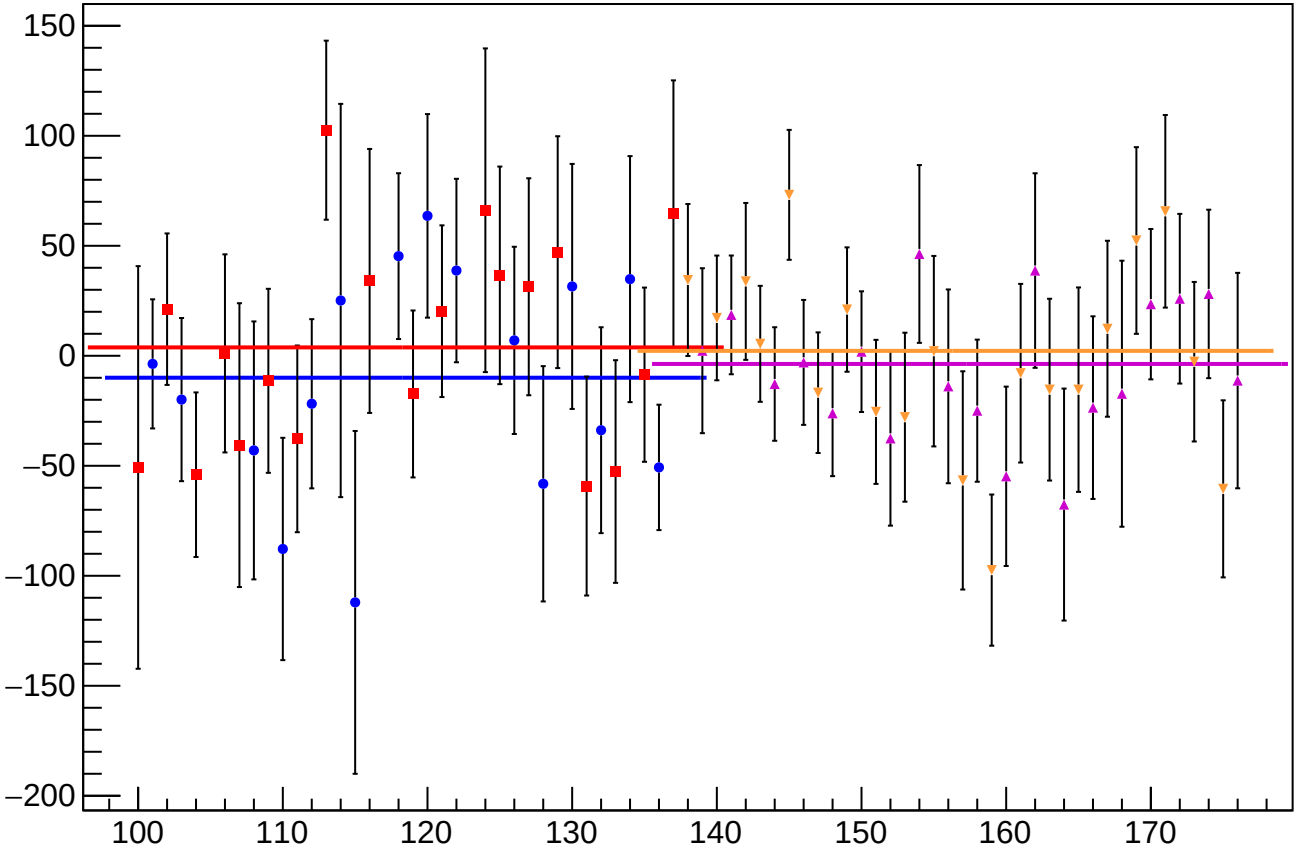
+ sign -1.976+/-6.365 χ^2/NDF: 42.3/35

All: -1.460+/-4.537 χ^2/NDF: 70.4/73

- sign -0.927+/-6.469 χ^2/NDF: 28.0/37


diff_bpmE_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30596.077+/-5.561 χ²/NDF:1060948.6/19
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31398.473+/-5.763 χ²/NDF:1212326.2/18
+ sign 29962.381+/-4.500 χ²/NDF: 1376236.9/35
All: 30220.976+/-3.208 χ²/NDF: 2768996.6/7
- sign 30488.140+/-4.574 χ²/NDF: 1386046.9/37

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.233+/-7.864 χ^2/NDF:26.2/19

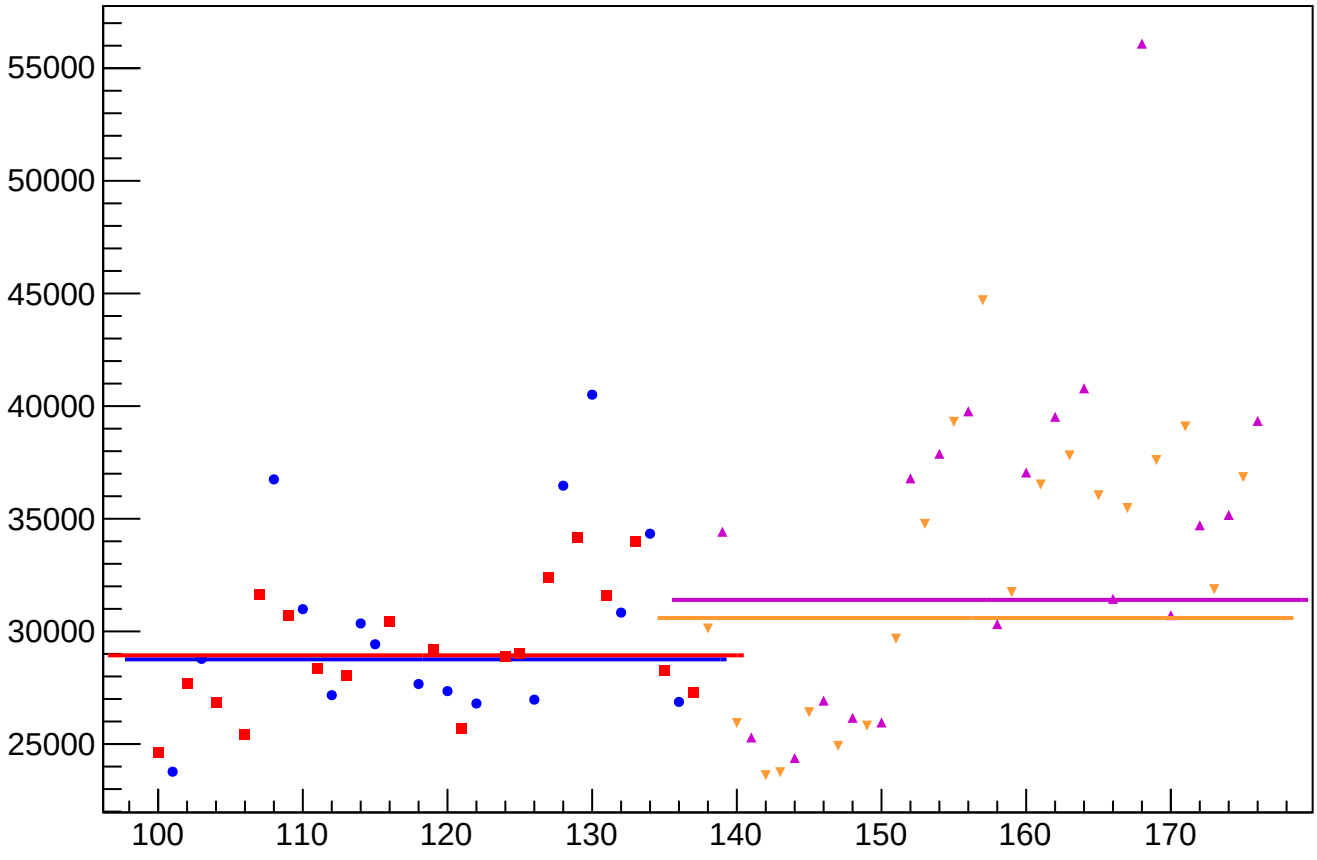
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.710+/-8.150 χ^2/NDF:10.4/18

\+ sign -1.976+/-6.365 χ^2/NDF: 42.3/35

All: -1.460+/-4.537 χ^2/NDF: 70.4/73

\- sign -0.927+/-6.469 χ^2/NDF: 28.0/37



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 30596.077+/-5.561 χ^2/NDF:1060948.6/19

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

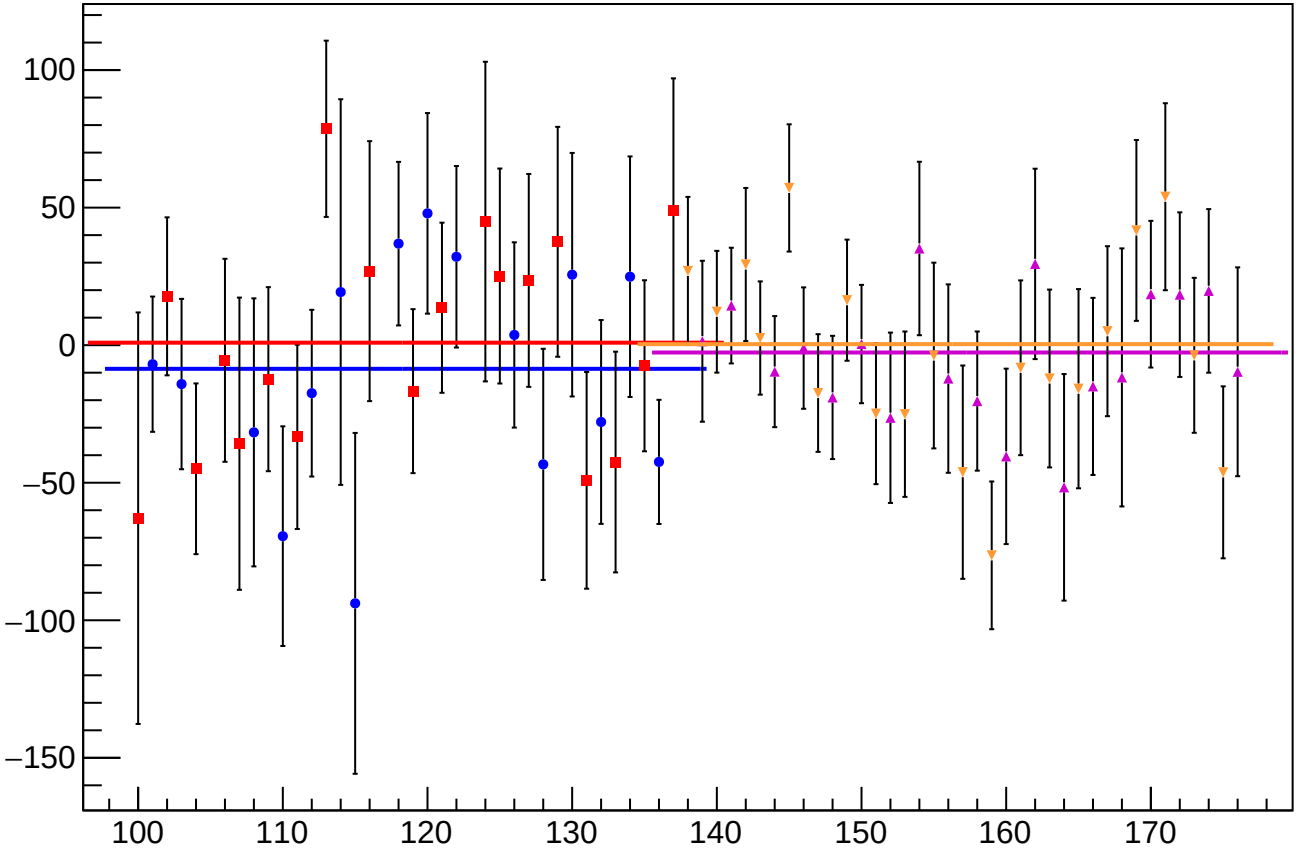
Left In: 31398.473+/-5.763 χ^2/NDF:1212326.2/18

+ sign 29962.381+/-4.500 χ^2/NDF: 1376236.9/35

All: 30220.976+/-3.208 χ^2/NDF: 2768996.6/7

- sign 30488.140+/-4.574 χ^2/NDF: 1386046.9/37

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 0.368+/-6.133 χ^2/NDF:27.7/19

Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

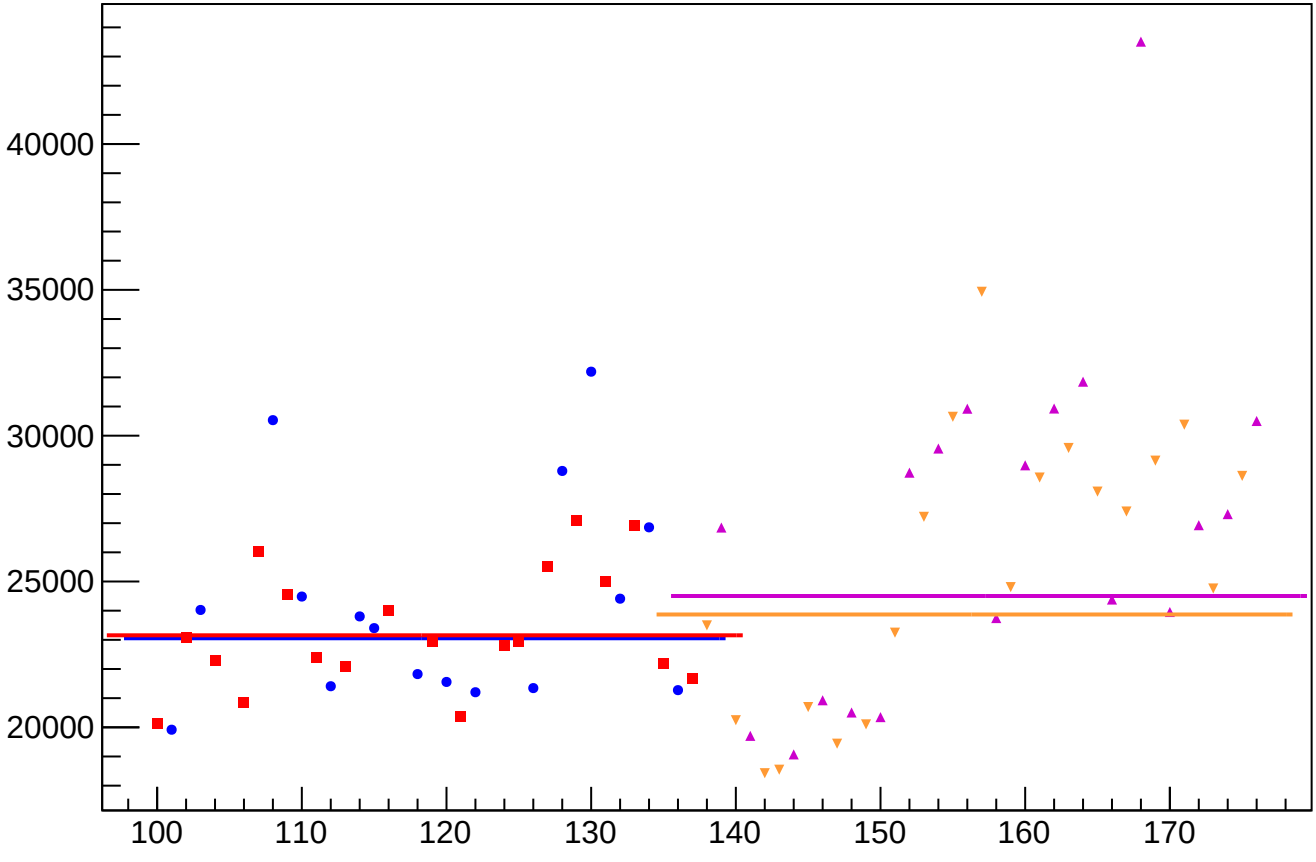
Left In: -2.667+/-6.358 χ^2/NDF:9.5/18

+ sign -2.619+/-5.009 χ^2/NDF: 43.9/35

All: -2.013+/-3.571 χ^2/NDF: 71.2/73

- sign -1.387+/-5.093 χ^2/NDF: 27.2/37

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 23869.159+/-4.337 χ^2/NDF:1050623.7/19

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

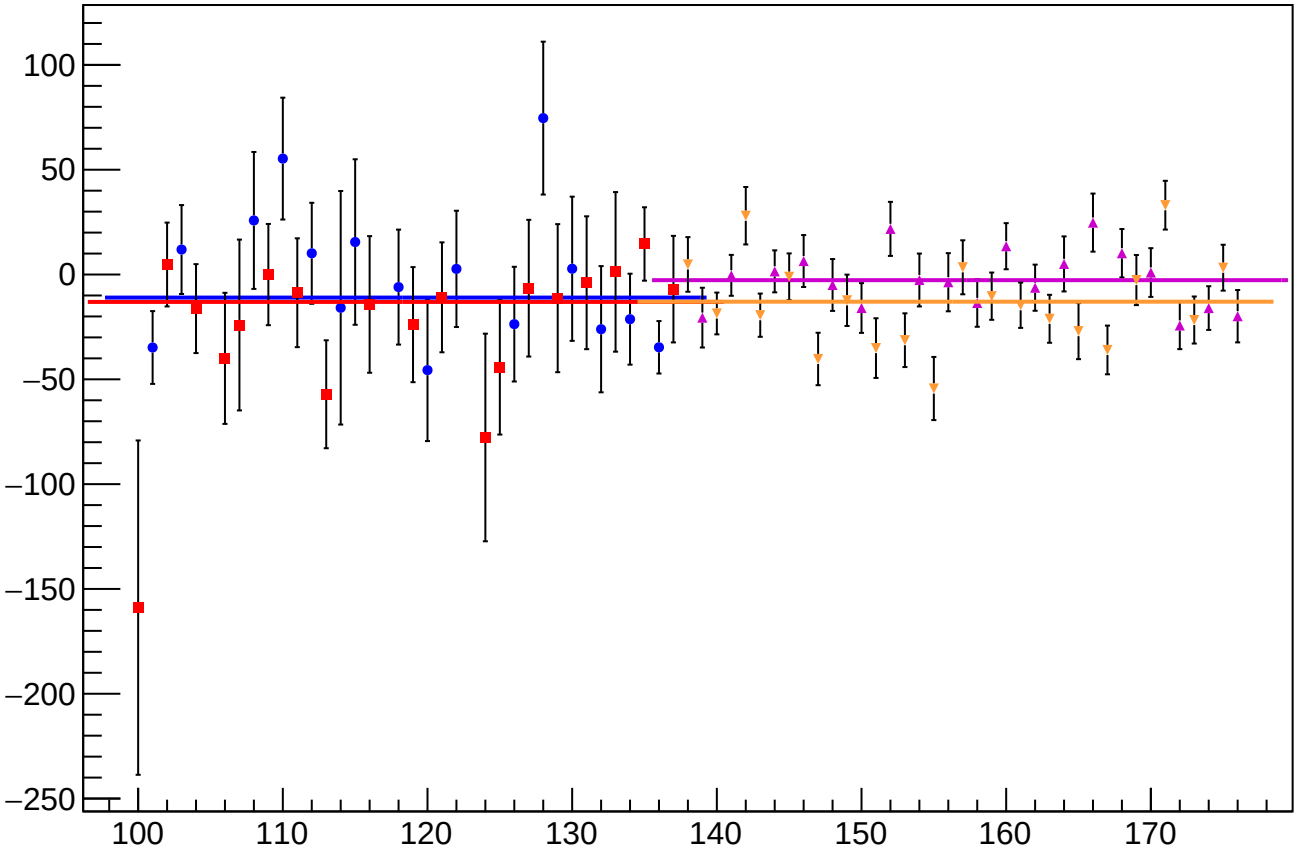
Left In: 24502.952+/-4.496 χ^2/NDF:1195742.2/18

+ sign 23597.592+/-3.542 χ^2/NDF: 1323838.7/35

All: 23805.203+/-2.525 χ^2/NDF: 2652673.3/7

- sign 24019.829+/-3.601 χ^2/NDF: 1321846.3/37

diff_bpm4aesumX_mean vs Slug



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -12.961+/-2.663 χ^2/NDF:55.9/19

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

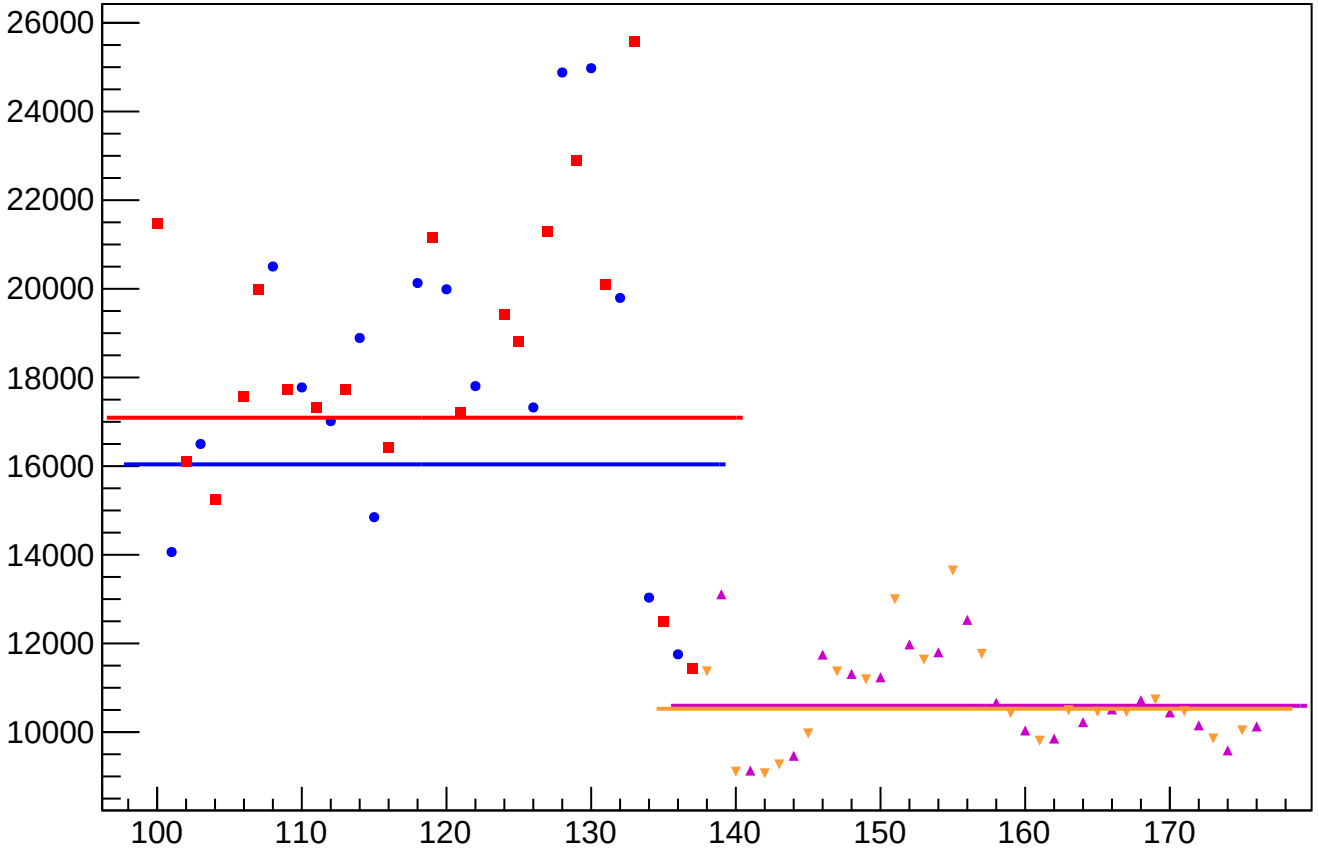
Left In: -2.693+/-2.705 χ^2/NDF:23.2/18

+ sign -12.652+/-2.444 χ^2/NDF: 78.0/35

All: -8.541+/-1.745 χ^2/NDF: 123.1/73

- sign -4.274+/-2.490 χ^2/NDF: 39.3/37

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10526.700+/-1.883 χ^2/NDF:321342.1/19

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

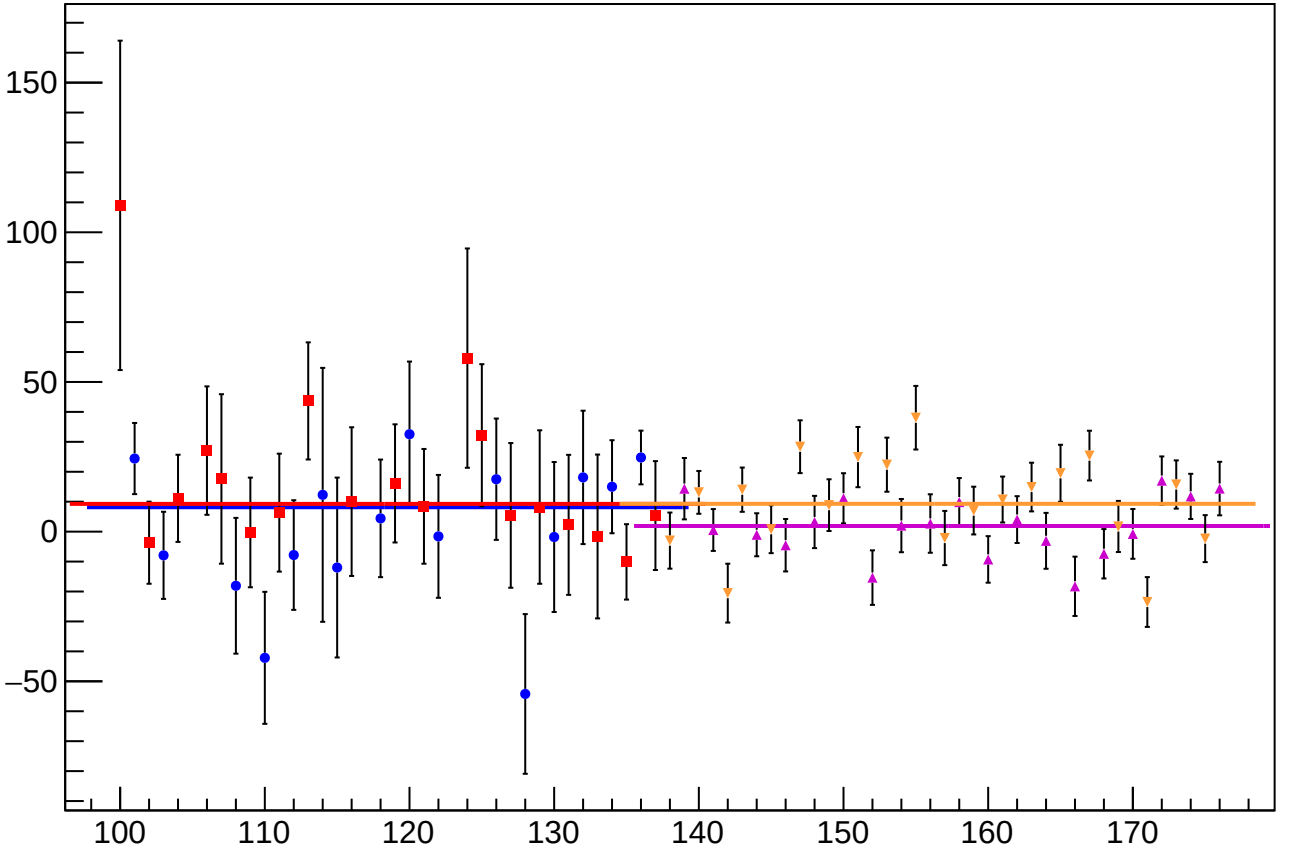
Left In: 10593.894+/-1.913 χ^2/NDF:283873.7/18

+ sign 11396.295+/-1.728 χ^2/NDF: 2395699.7/35

All: 11488.189+/-1.234 χ^2/NDF: 4978880.8/

- sign 11583.581+/-1.761 χ^2/NDF: 2577420.4/37

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 9.297+/-1.897 χ^2/NDF:55.5/19

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

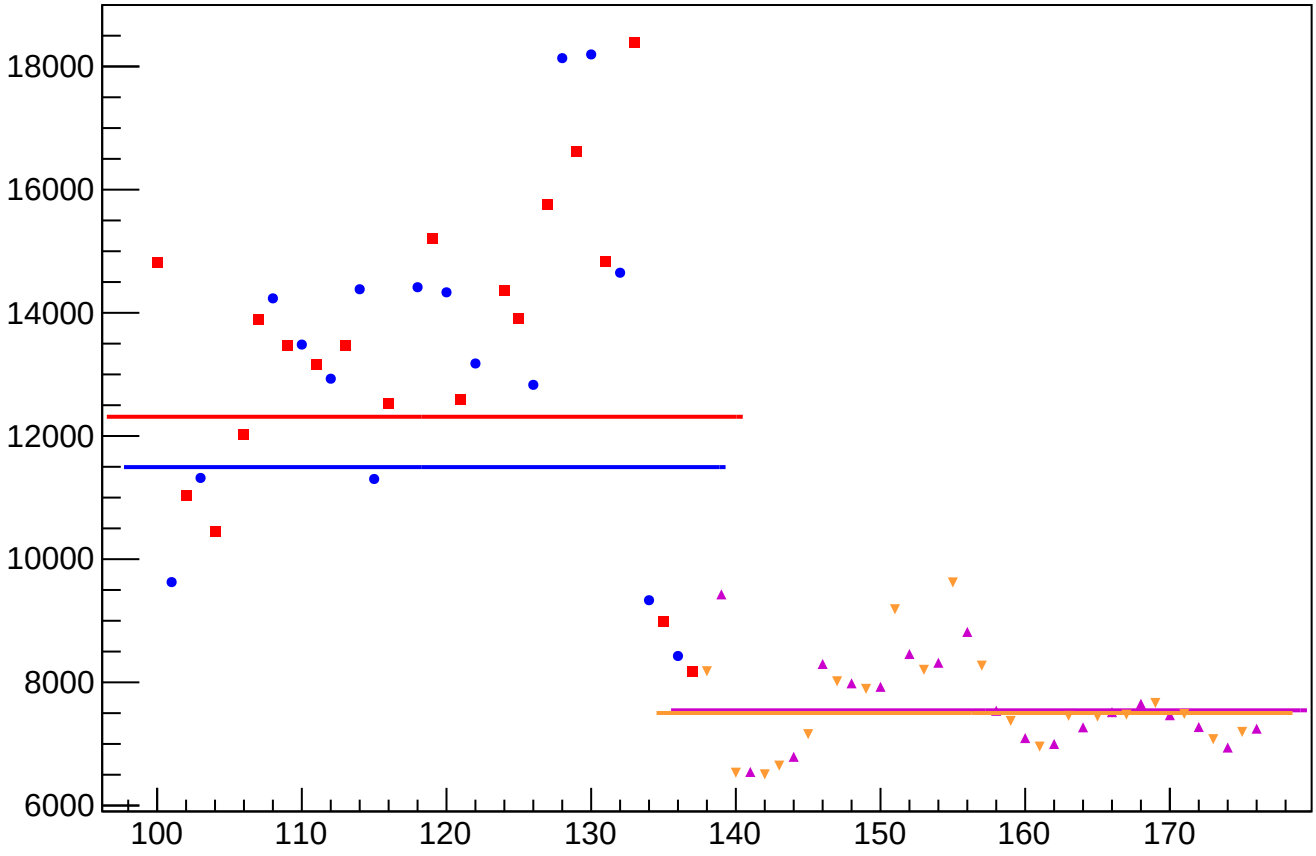
Left In: 1.890+/-1.926 χ^2/NDF:23.1/18

+ sign 9.119+/-1.744 χ^2/NDF: 77.4/35

All: 6.111+/-1.245 χ^2/NDF: 122.6/73

- sign 2.988+/-1.777 χ^2/NDF: 39.2/37

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7502.527+/-1.342 χ^2/NDF:291338.9/19

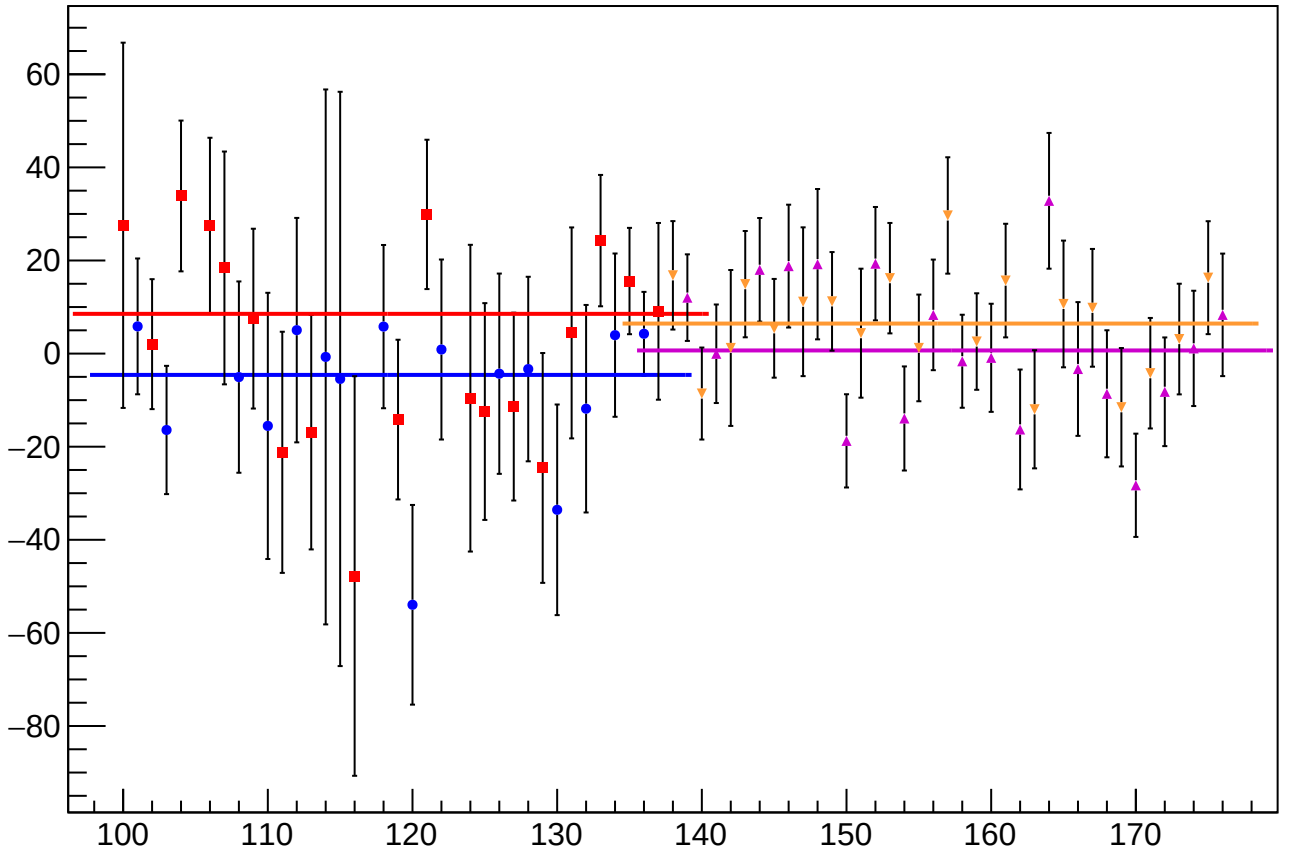
Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

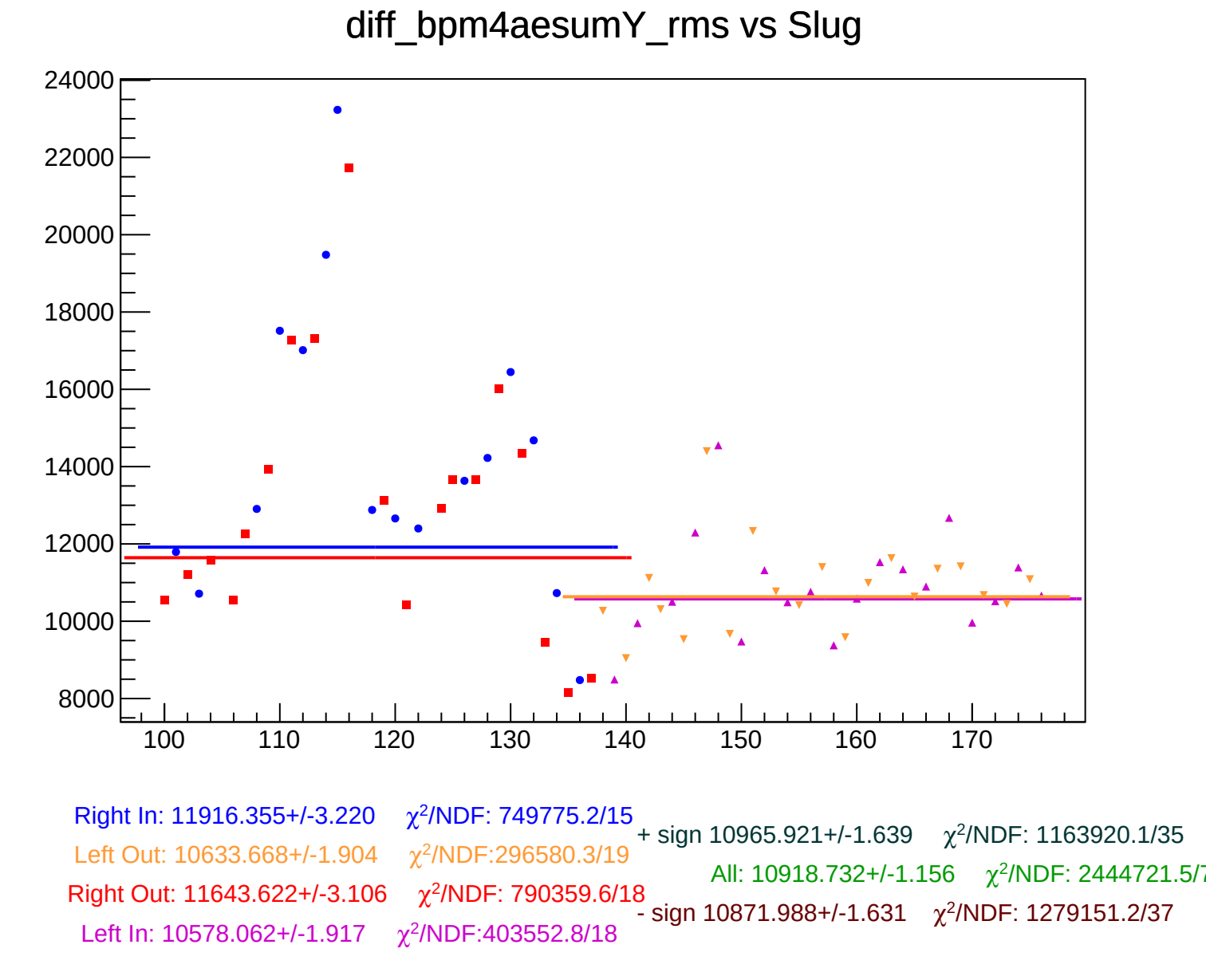
Left In: 7545.921+/-1.362 χ^2/NDF:259734.5/18

+ sign 8123.033+/-1.233 χ^2/NDF: 2457738.3/35

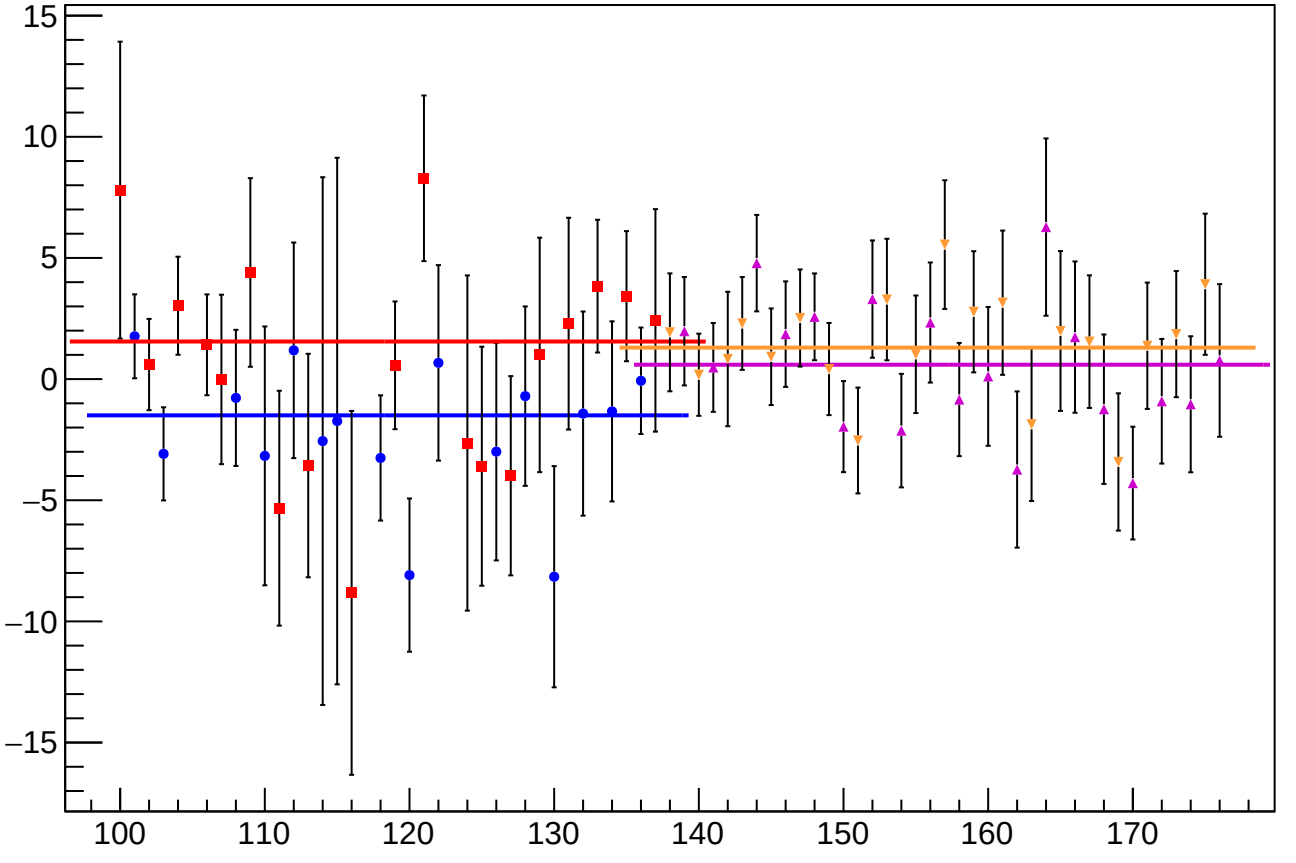
All: 8187.766+/-0.880 χ^2/NDF: 5144208.9/73

- sign 8254.997+/-1.256 χ^2/NDF: 2680851.0/37


diff_bpm4aesumY_mean vs Slug
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -4.578+/-4.554 χ²/NDF: 10.2/15
Left Out: 6.451+/-2.693 χ²/NDF:14.9/19
Right Out: 8.537+/-4.392 χ²/NDF: 17.2/18
Left In: 0.676+/-2.711 χ²/NDF:30.3/18
+ sign 3.594+/-2.318 χ²/NDF: 29.5/35
All: 3.217+/-1.635 χ²/NDF: 79.4/73
- sign 2.844+/-2.307 χ²/NDF: 49.8/37


diff_bpm4aesumY_rms vs Slug
24000
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 11916.355+/-3.220 χ²/NDF: 749775.2/15
Left Out: 10633.668+/-1.904 χ²/NDF:296580.3/19
Right Out: 11643.622+/-3.106 χ²/NDF: 790359.6/18
Left In: 10578.062+/-1.917 χ²/NDF:403552.8/18
+ sign 10965.921+/-1.639 χ²/NDF: 1163920.1/35
All: 10918.732+/-1.156 χ²/NDF: 2444721.5/7
- sign 10871.988+/-1.631 χ²/NDF: 1279151.2/37

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.299+/-0.534 χ^2/NDF:13.1/19

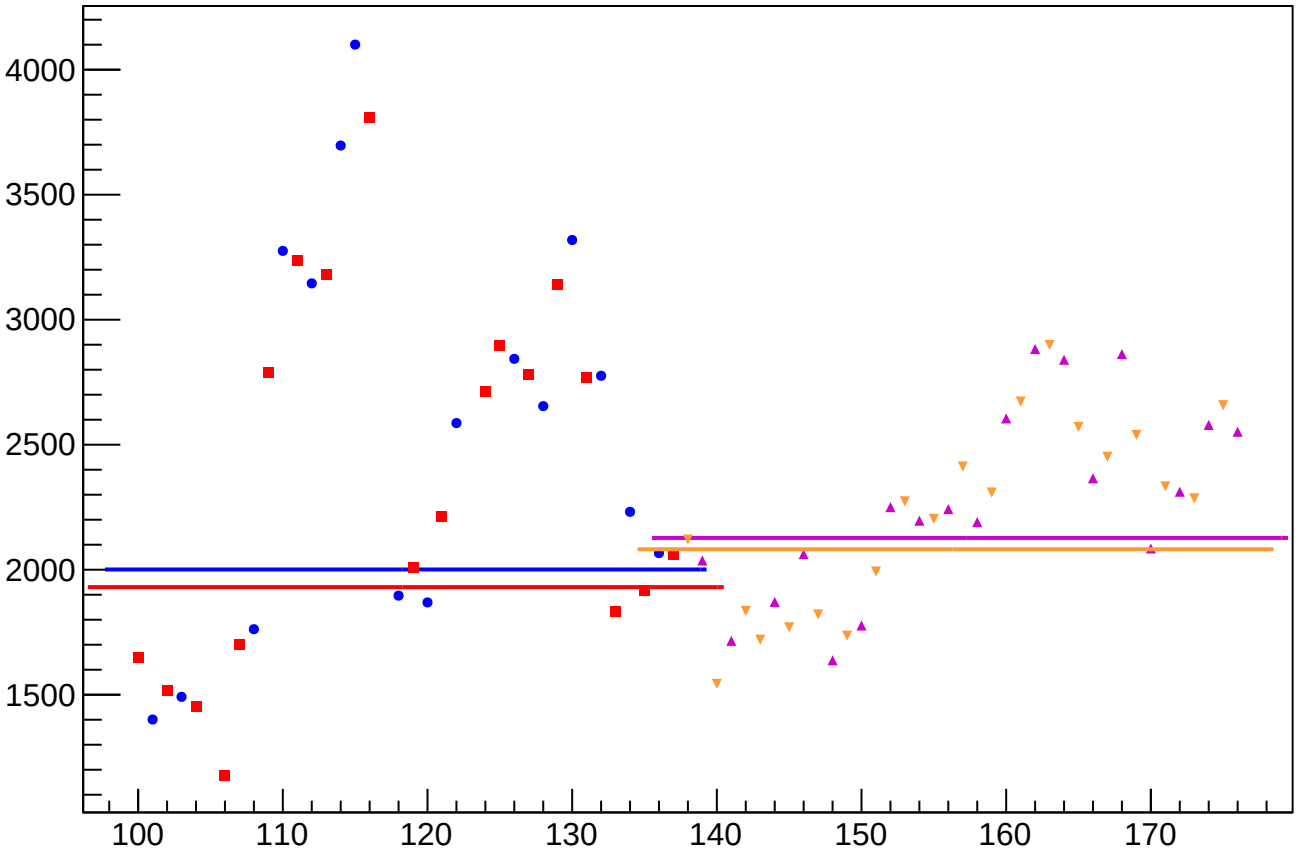
Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: 0.593+/-0.549 χ^2/NDF:21.5/18

+ sign 0.405+/-0.440 χ^2/NDF: 34.5/35

All: 0.667+/-0.312 χ^2/NDF: 74.1/73

- sign 0.930+/-0.442 χ^2/NDF: 38.9/37



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2081.818+/-0.377 χ^2/NDF:959611.5/19

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

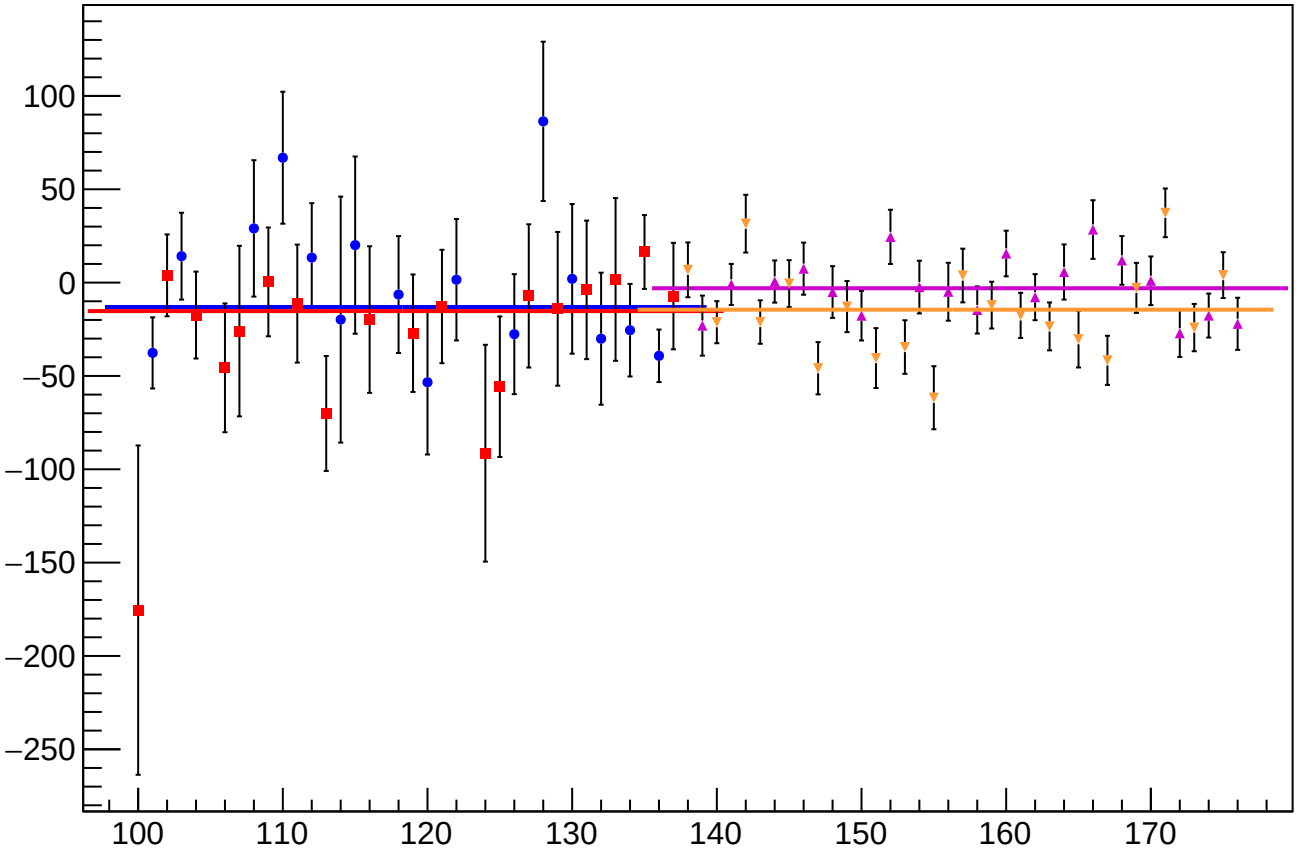
Left In: 2127.101+/-0.388 χ^2/NDF:836619.2/18

+ sign 2055.972+/-0.311 χ^2/NDF: 2164066.0/35

All: 2056.906+/-0.220 χ^2/NDF: 4494666.3/73

- sign 2057.847+/-0.312 χ^2/NDF: 2330582.2/37

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -14.508+/-2.993 χ^2/NDF:57.3/19

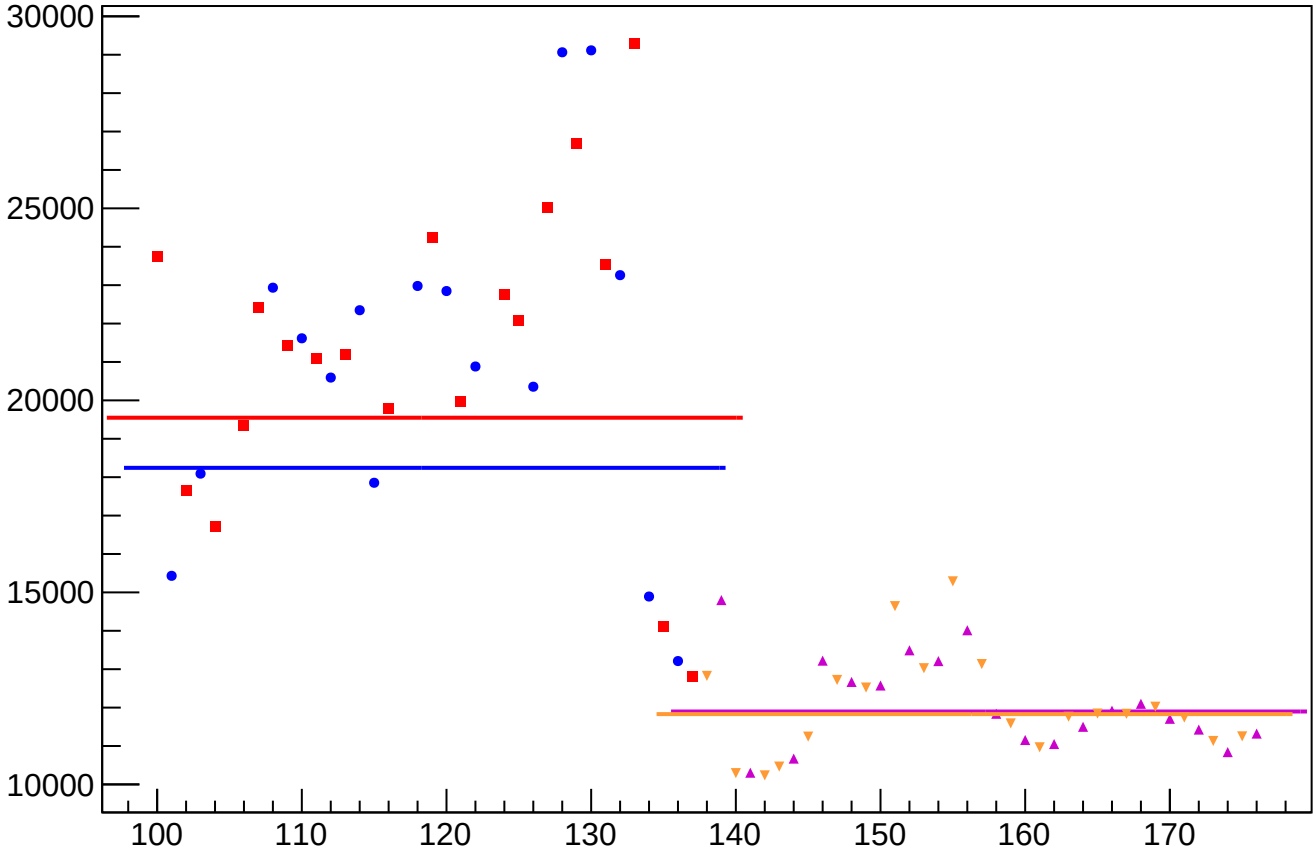
Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: -3.022+/-3.038 χ^2/NDF:23.2/18

+ sign -14.286+/-2.753 χ^2/NDF: 79.2/35

All: -9.642+/-1.965 χ^2/NDF: 124.9/73

- sign -4.819+/-2.806 χ^2/NDF: 39.9/37



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11830.331+/-2.116 χ^2/NDF:310415.7/19

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

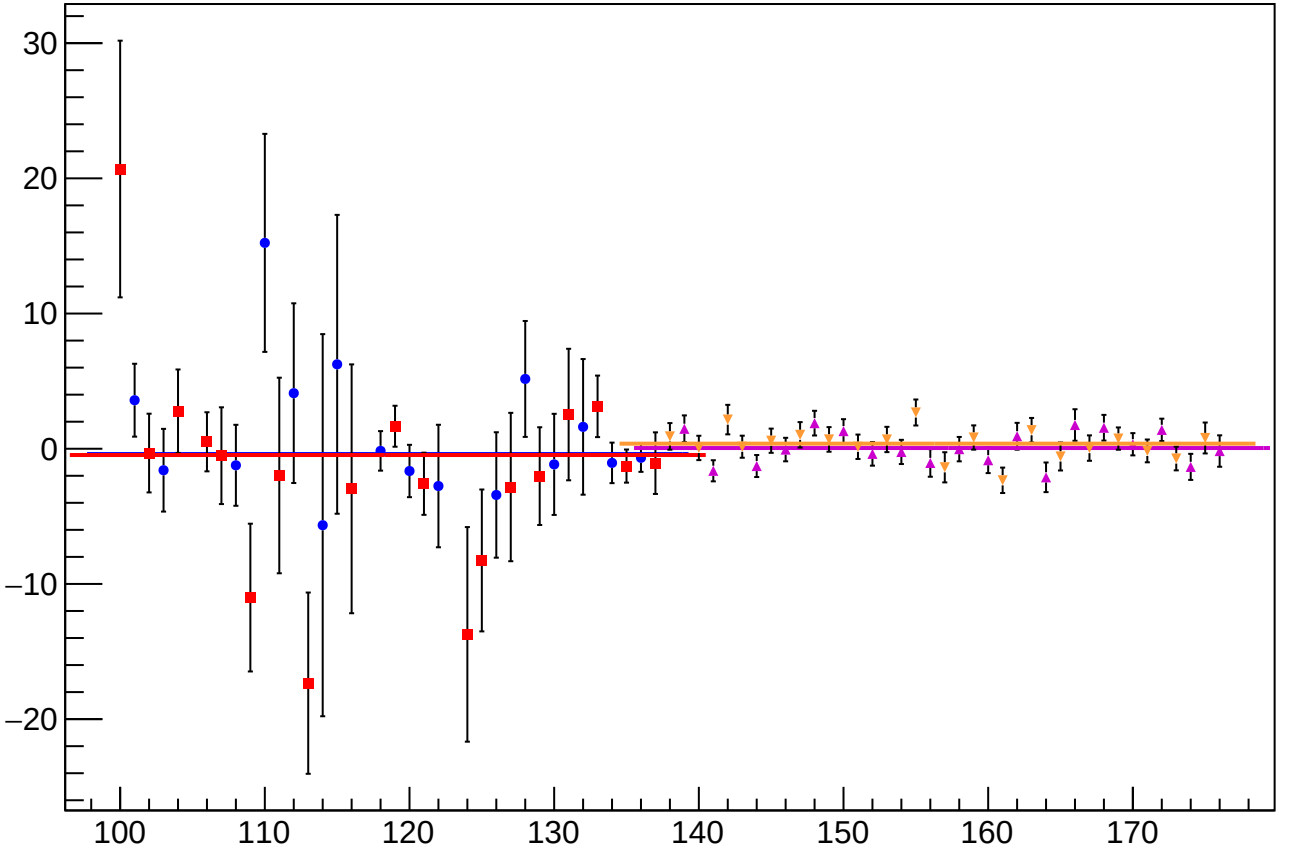
Left In: 11898.404+/-2.148 χ^2/NDF:279816.1/18

+ sign 12815.083+/-1.947 χ^2/NDF: 2540470.7/35

All: 12916.702+/-1.390 χ^2/NDF: 5310716.1/7

- sign 13022.234+/-1.984 χ^2/NDF: 2764691.9/37

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.376+/-0.208 χ^2/NDF:25.2/19

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

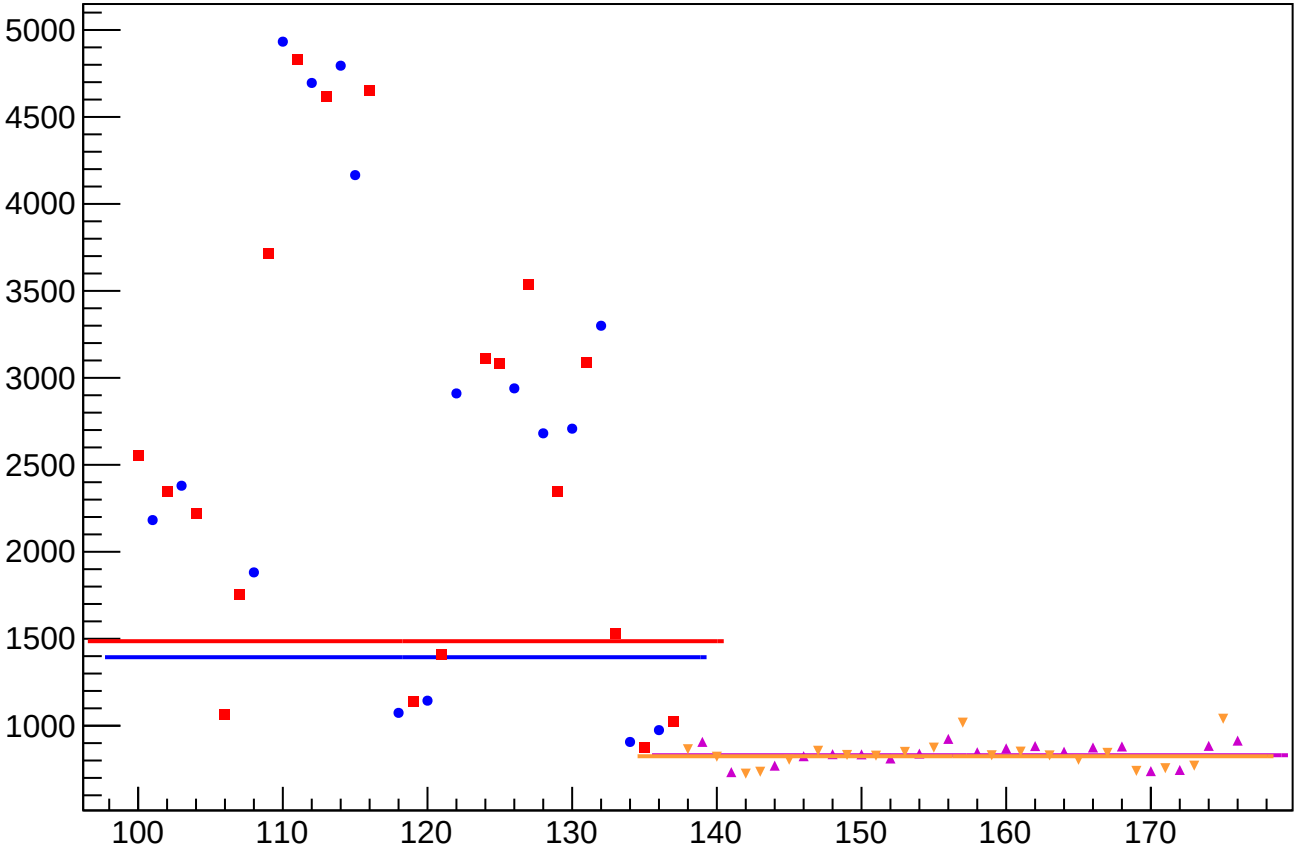
Left In: 0.052+/-0.212 χ^2/NDF:32.1/18

+ sign 0.293+/-0.197 χ^2/NDF: 37.1/35

All: 0.150+/-0.141 χ^2/NDF: 98.9/73

- sign -0.000+/-0.201 χ^2/NDF: 60.7/37

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 824.495+/-0.147 χ^2/NDF:230410.7/19

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

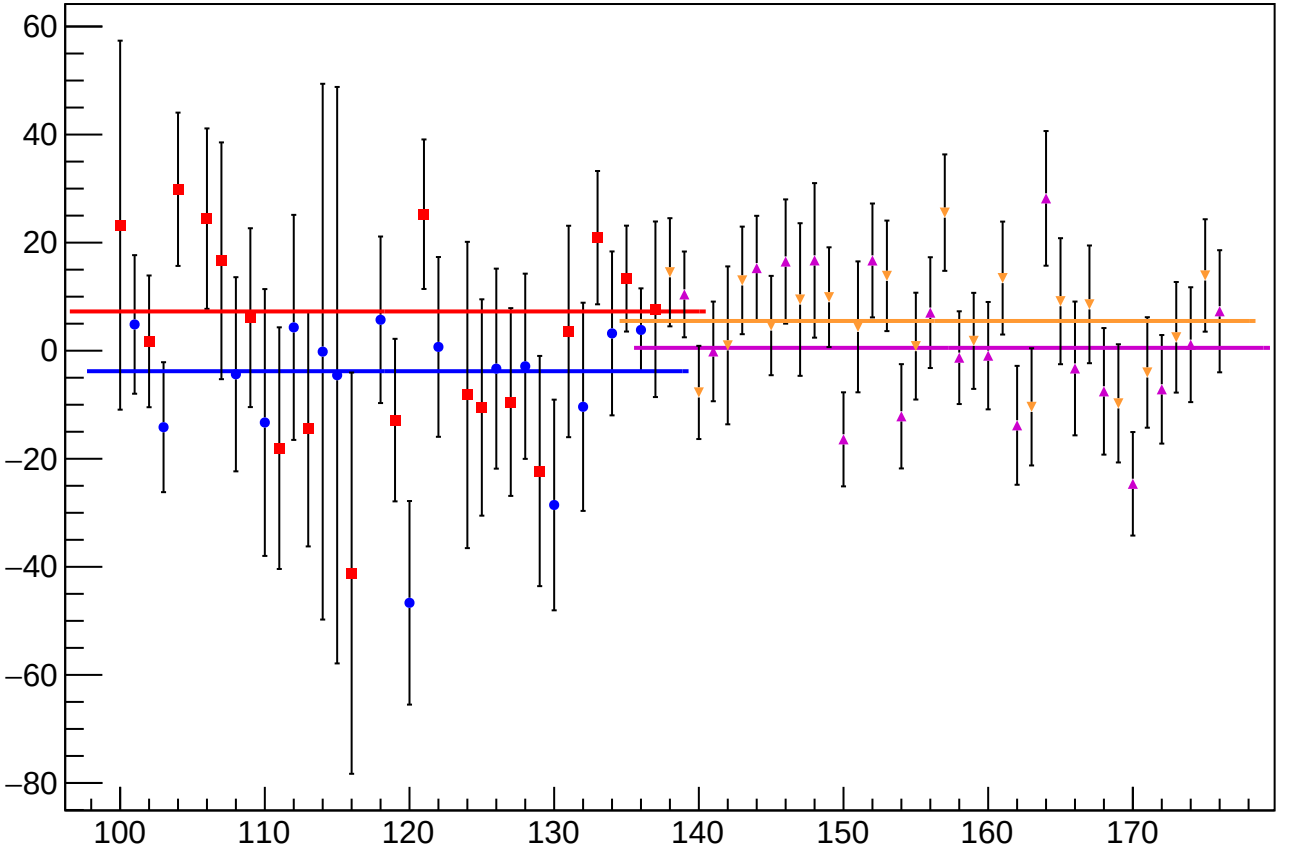
Left In: 830.367+/-0.150 χ^2/NDF:153373.0/18

+ sign 885.722+/-0.139 χ^2/NDF: 5218326.8/35

All: 890.889+/-0.099 χ^2/NDF: 10697704.2/73

- sign 896.279+/-0.142 χ^2/NDF: 5476560.5/37

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.502+/-2.326 χ^2/NDF:15.1/19

Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

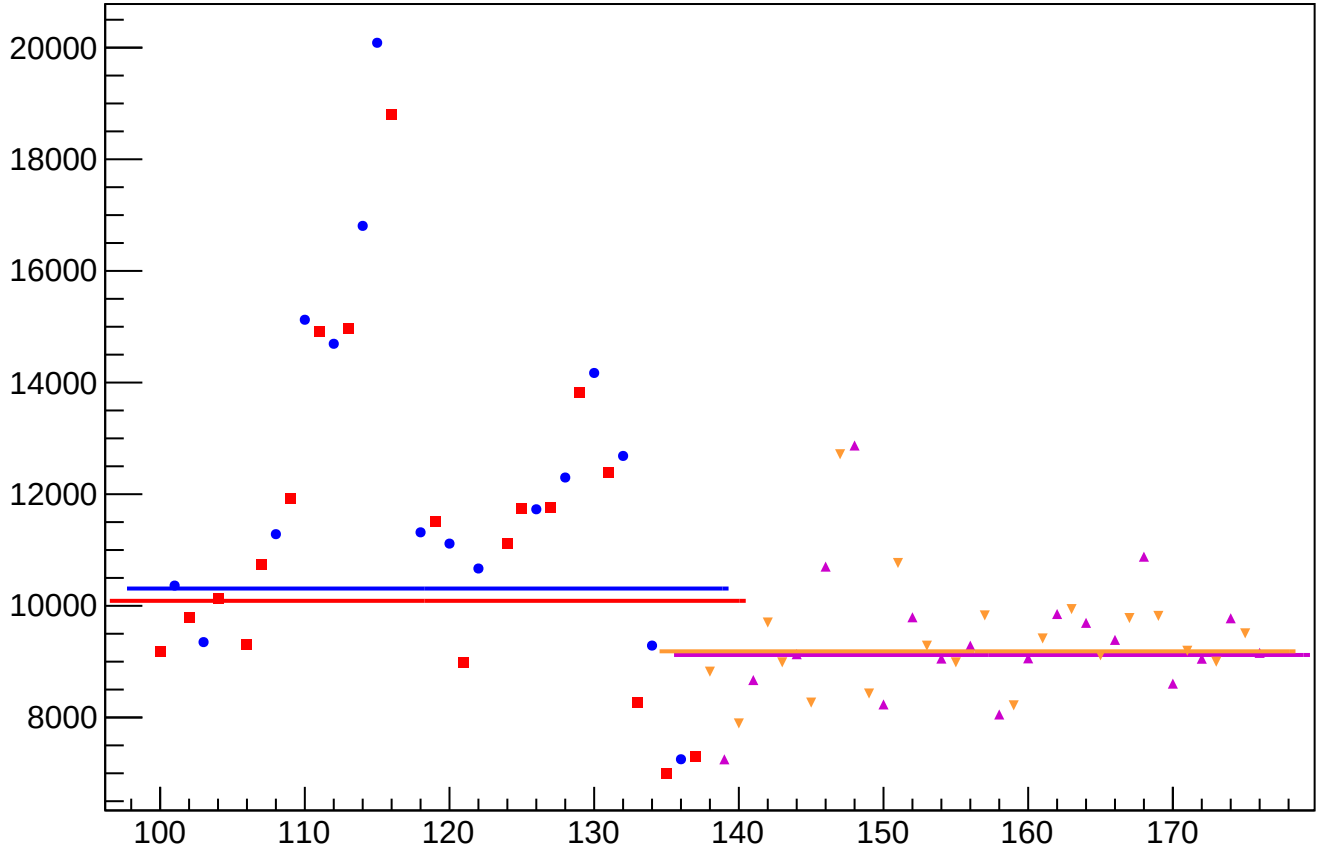
Left In: 0.526+/-2.338 χ^2/NDF:30.5/18

+ sign 3.102+/-2.003 χ^2/NDF: 29.3/35

All: 2.735+/-1.413 χ^2/NDF: 79.4/73

- sign 2.372+/-1.992 χ^2/NDF: 50.0/37

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9185.142+/-1.645 χ^2/NDF:301193.3/19

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

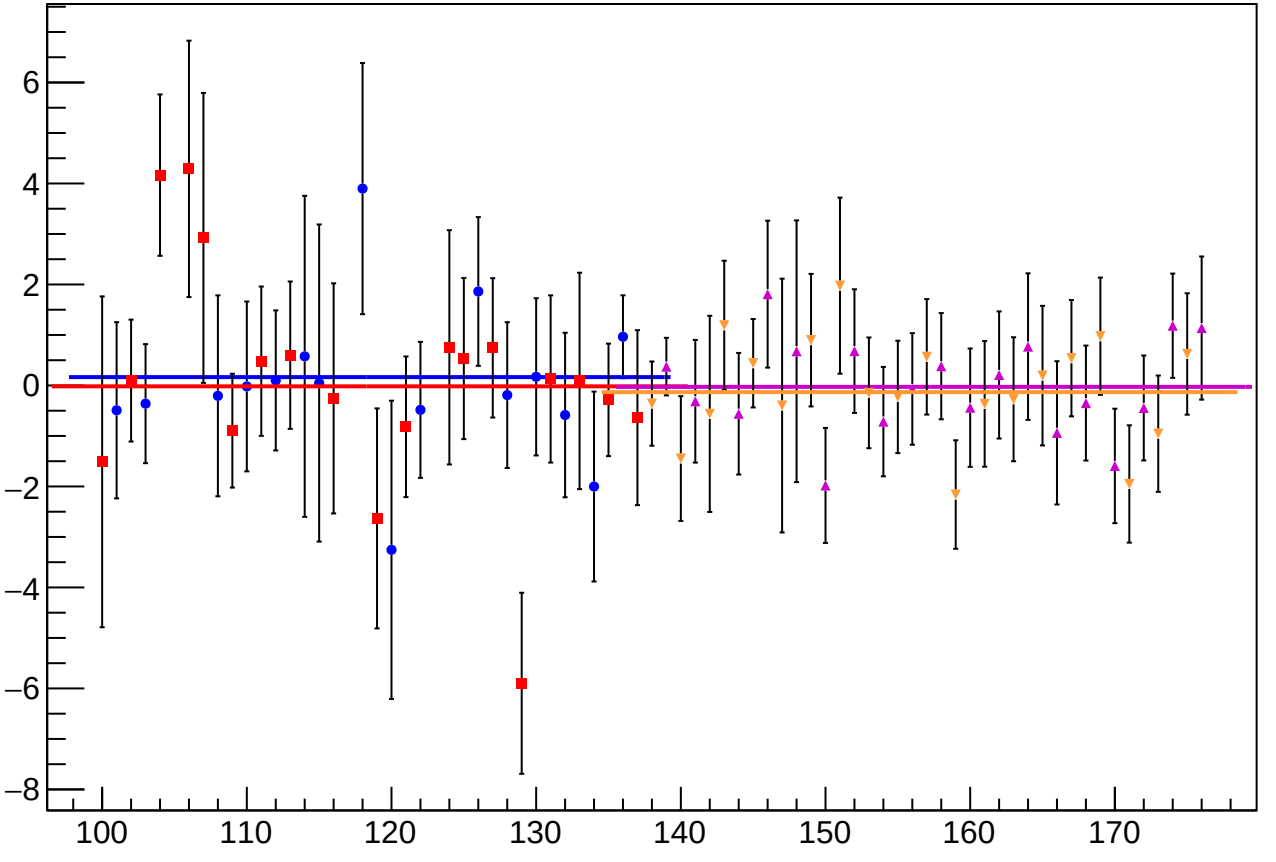
Left In: 9119.715+/-1.653 χ^2/NDF:424595.7/18

+ sign 9475.537+/-1.417 χ^2/NDF: 1192446.3/35

All: 9430.198+/-0.999 χ^2/NDF: 2506121.3/73

- sign 9385.360+/-1.409 χ^2/NDF: 1311637.8/37

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.132+/-0.266 χ^2/NDF:13.5/19

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

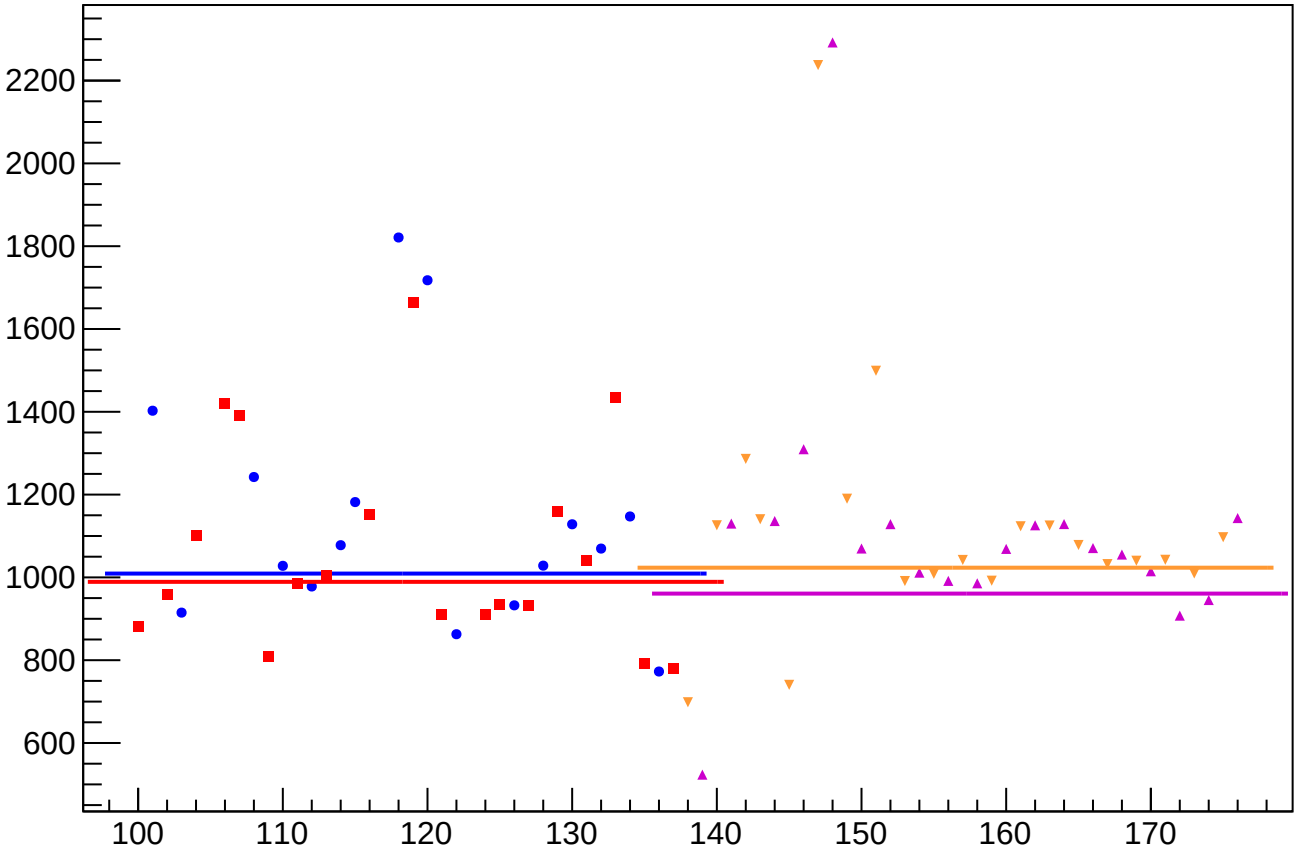
Left In: -0.028+/-0.255 χ^2/NDF:11.3/18

+ sign -0.036+/-0.219 χ^2/NDF: 22.0/35

All: -0.030+/-0.152 χ^2/NDF: 58.5/73

- sign -0.024+/-0.211 χ^2/NDF: 36.5/37

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1023.436+/-0.188 χ^2/NDF:1270566.7/19

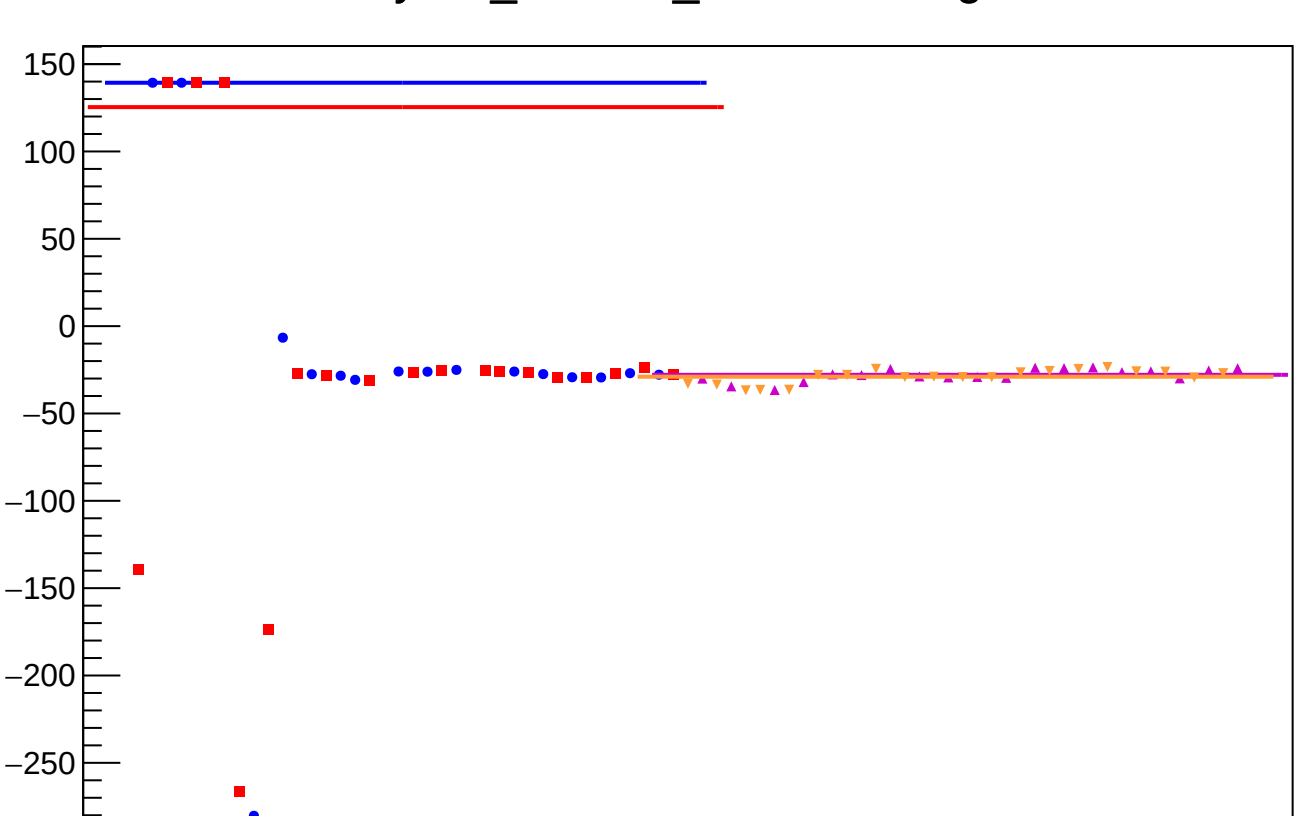
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 960.850+/-0.181 χ^2/NDF:2109947.5/18

+ sign 1018.863+/-0.155 χ^2/NDF: 1971707.2/35

All: 993.438+/-0.107 χ^2/NDF: 4717130.7/73

- sign 969.944+/-0.149 χ^2/NDF: 2693619.1/37



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -28.957+/-0.000 χ^2/NDF:137086866.6/19

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

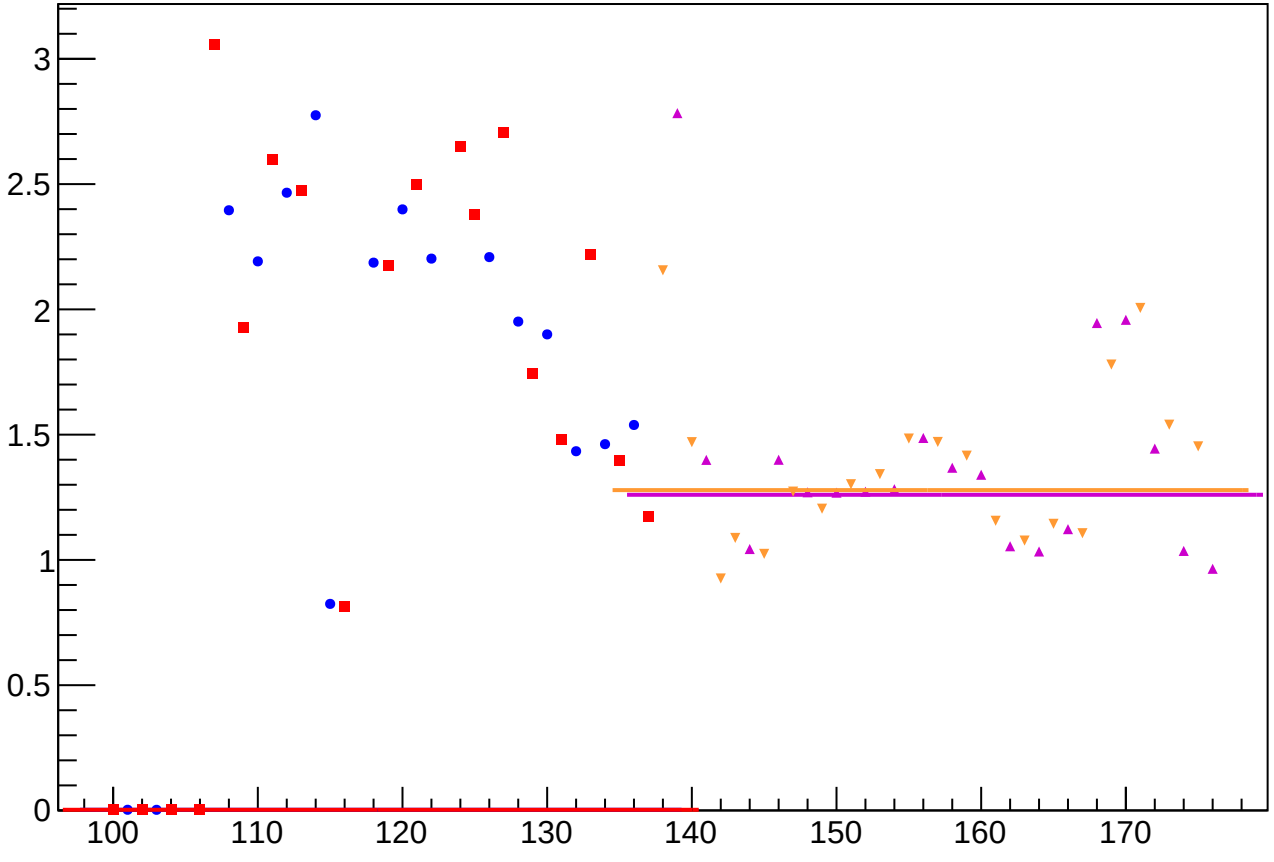
Left In: -27.868+/-0.000 χ^2/NDF:112346880.6/18

+ sign 139.330+/-0.000 χ^2/NDF: 261260798360.7/3

All: 131.812+/-0.000 χ^2/NDF: 79339456007

- sign 125.386+/-0.000 χ^2/NDF: 774351906271631

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.279+/-0.000 χ^2/NDF:954553.7/19

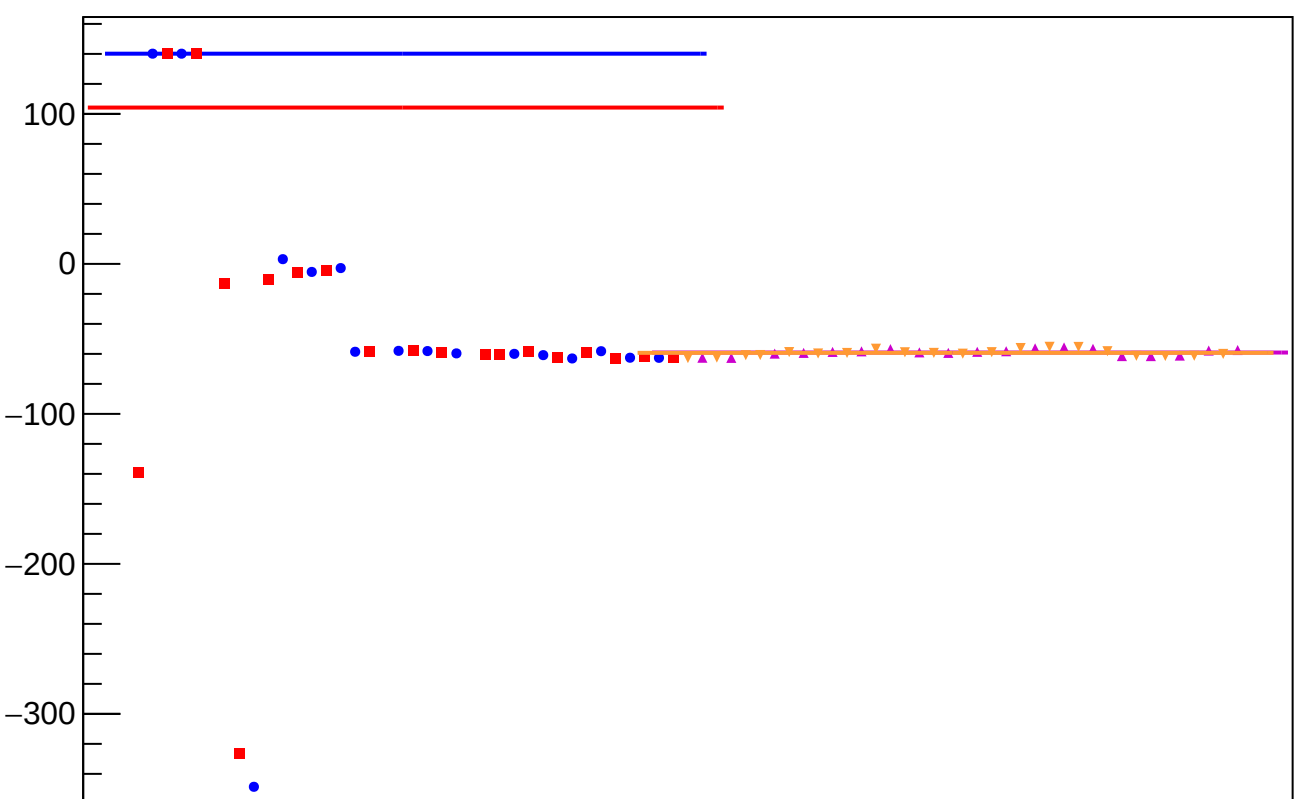
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.260+/-0.000 χ^2/NDF:1269749.1/18

\+ sign 0.003+/-0.000 χ^2/NDF: 35126670.1/35

All: 0.003+/-0.000 χ^2/NDF: 70182847.6/73

\- sign 0.003+/-0.000 χ^2/NDF: 35055883.5/37



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.300+/-0.000 χ^2/NDF:149432856.5/19

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

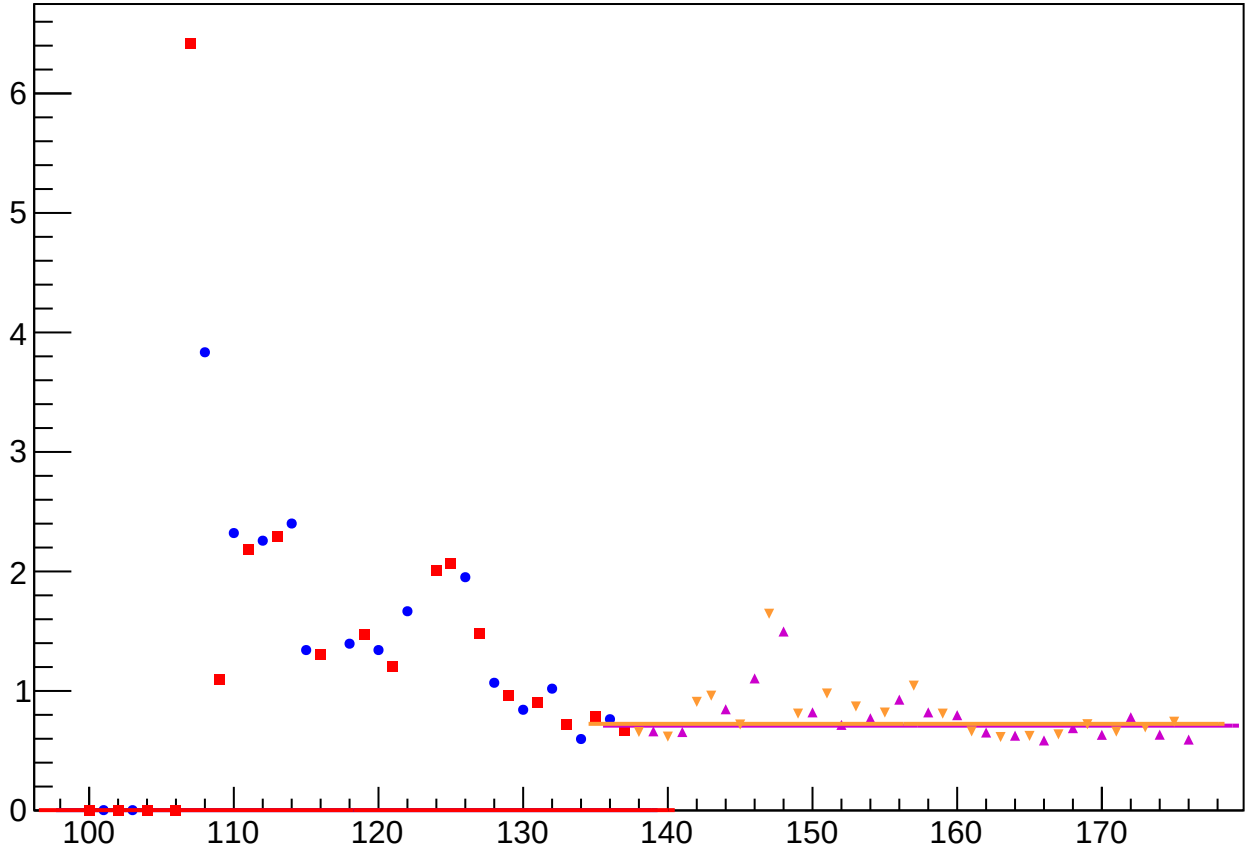
Left In: -59.098+/-0.000 χ^2/NDF:133093622.2/18

+ sign 140.116+/-0.000 χ^2/NDF: 1161492638774.1

All: 120.808+/-0.000 χ^2/NDF: 13825087619

- sign 104.204+/-0.000 χ^2/NDF: 125807628094916

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.725+/-0.000 χ^2/NDF:1031864.8/19

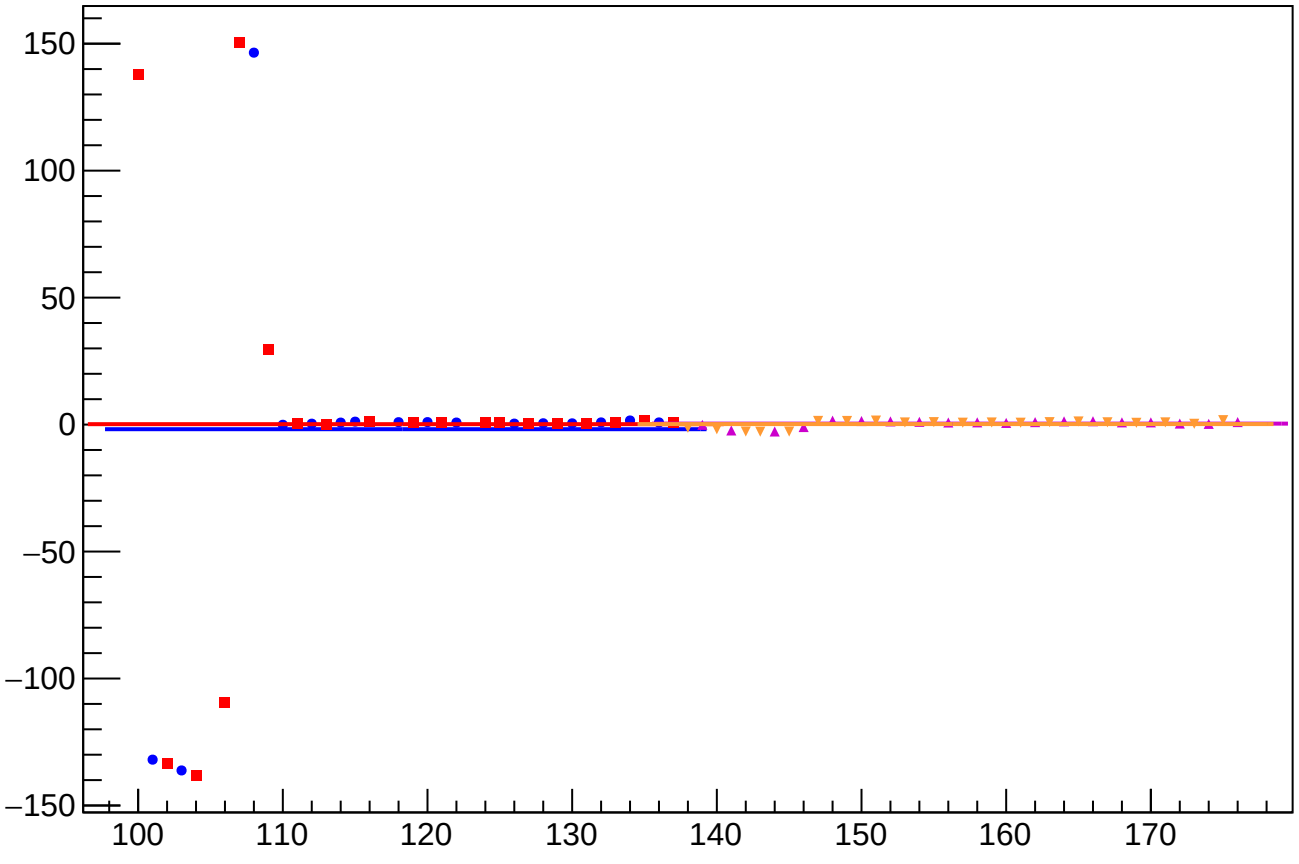
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.710+/-0.000 χ^2/NDF:931618.0/18

+ sign 0.003+/-0.000 χ^2/NDF: 37146720.5/35

All: 0.003+/-0.000 χ^2/NDF: 73614336.9/73

- sign 0.003+/-0.000 χ^2/NDF: 36467213.7/37



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.197+/-0.000 χ^2/NDF:107225910.2/19

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

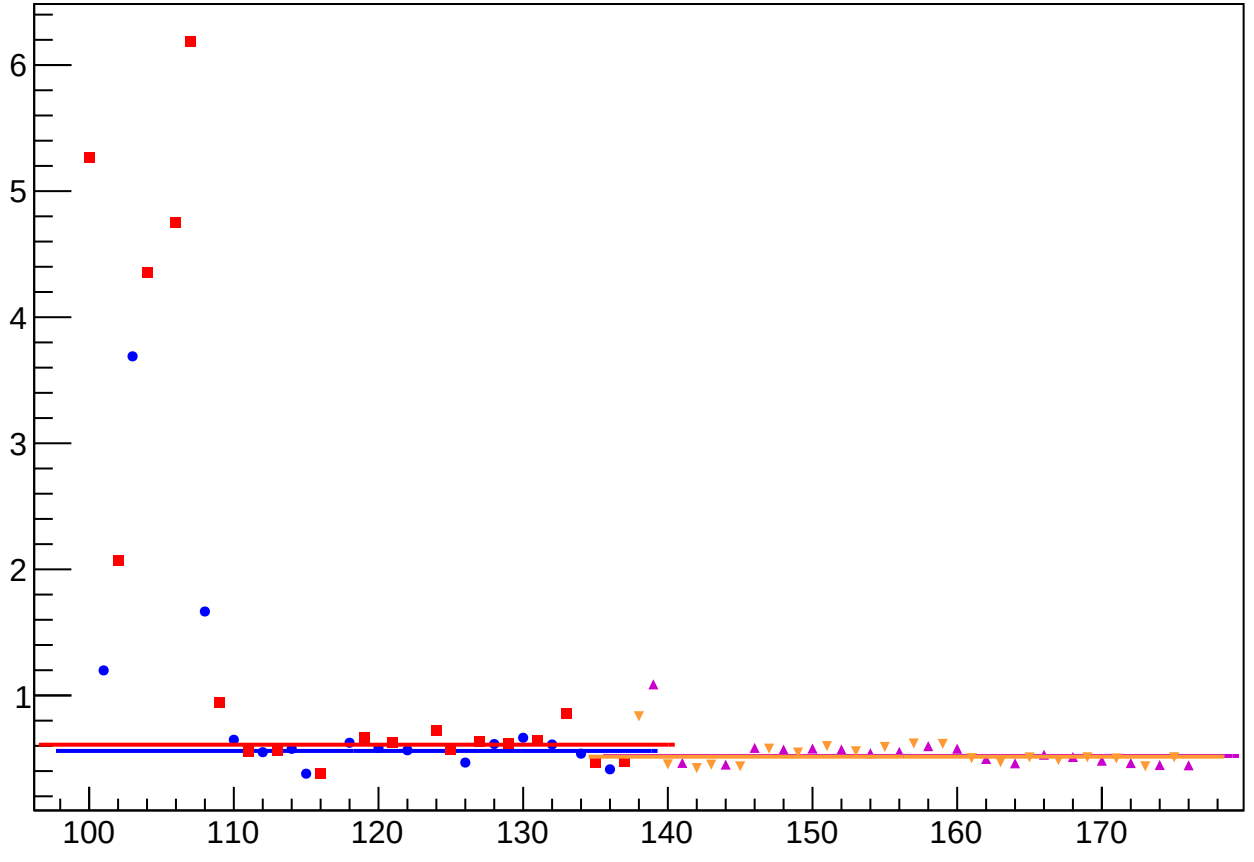
Left In: 0.381+/-0.000 χ^2/NDF:71300403.0/18

+ sign -0.311+/-0.000 χ^2/NDF: 10043366736.0/35

All: -0.002+/-0.000 χ^2/NDF: 13739121291.0/

- sign 0.332+/-0.000 χ^2/NDF: 3683029241.7/37

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.514+/-0.000 χ^2/NDF:518646.8/19

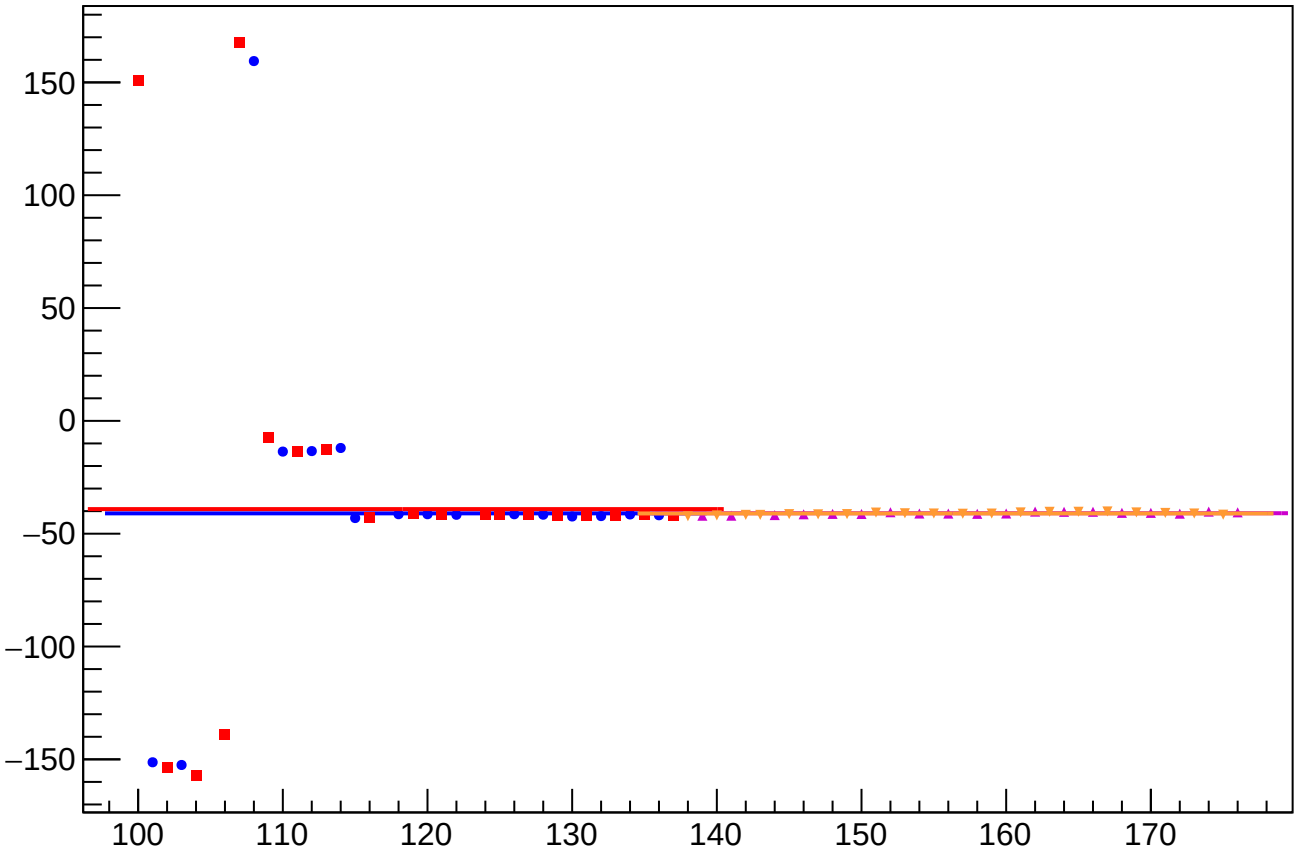
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.520+/-0.000 χ^2/NDF:718777.7/18

+ sign 0.526+/-0.000 χ^2/NDF: 2167230.3/35

All: 0.533+/-0.000 χ^2/NDF: 5540468.6/73

- sign 0.540+/-0.000 χ^2/NDF: 3360515.4/37



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.026+/-0.000 χ^2/NDF:33331789.4/19

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

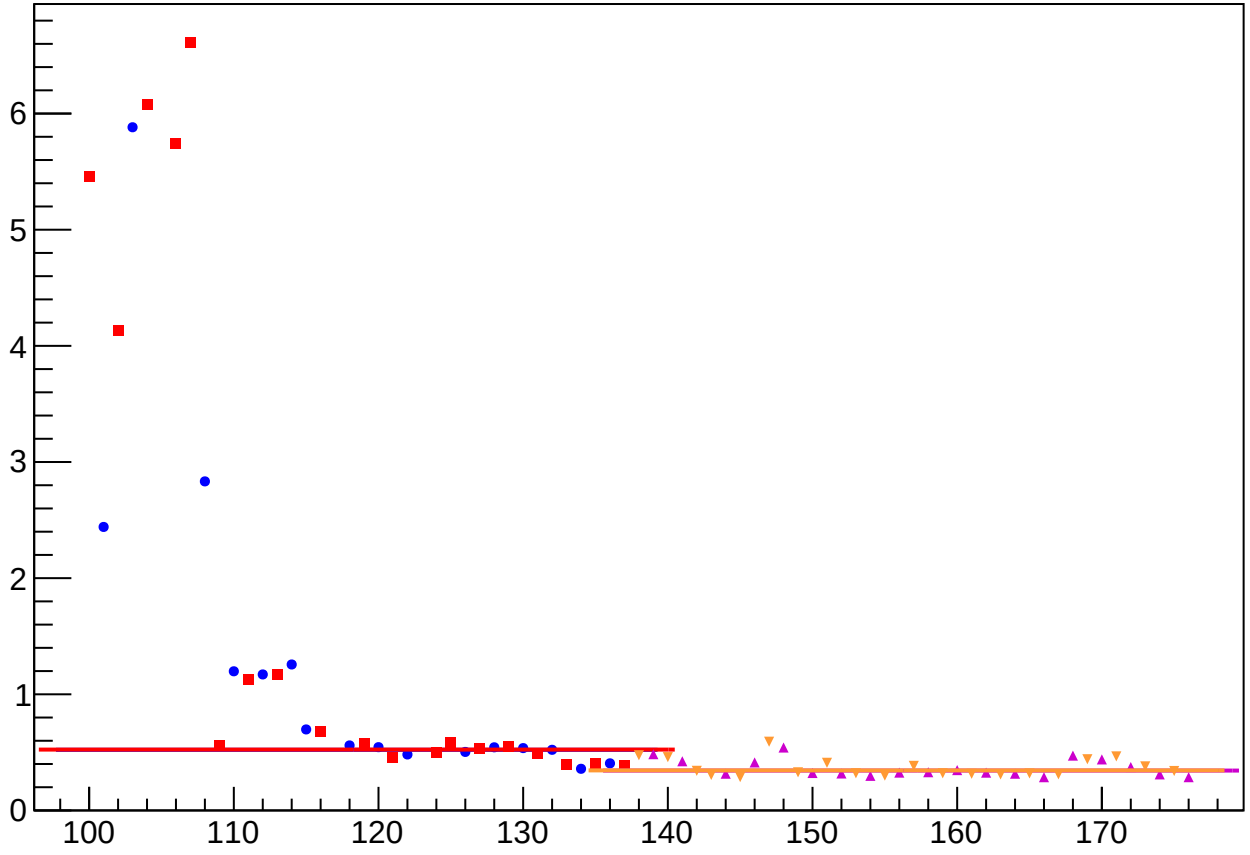
Left In: -40.925+/-0.000 χ^2/NDF:34059053.0/18

+ sign -41.021+/-0.000 χ^2/NDF: 3482978441.8/35

All: -40.856+/-0.000 χ^2/NDF: 6056729155.0/

- sign -40.690+/-0.000 χ^2/NDF: 2566065842.7/37

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.345+/-0.000 χ^2/NDF:922266.3/19

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

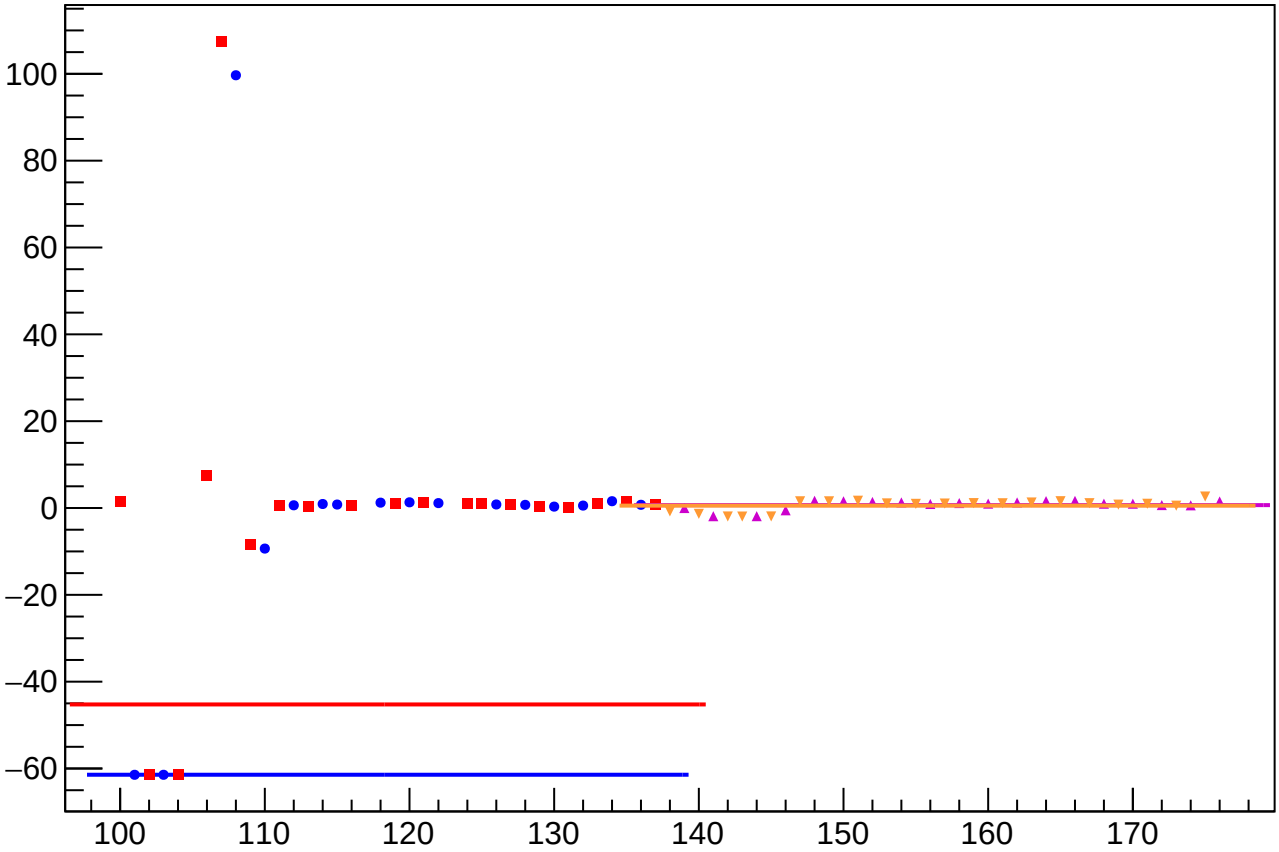
Left In: 0.343+/-0.000 χ^2/NDF:844174.3/18

+ sign 0.368+/-0.000 χ^2/NDF: 4877577.8/35

All: 0.367+/-0.000 χ^2/NDF: 10004368.5/73

- sign 0.367+/-0.000 χ^2/NDF: 5126481.8/37

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.548+/-0.000 χ^2/NDF:119164996.0/19

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

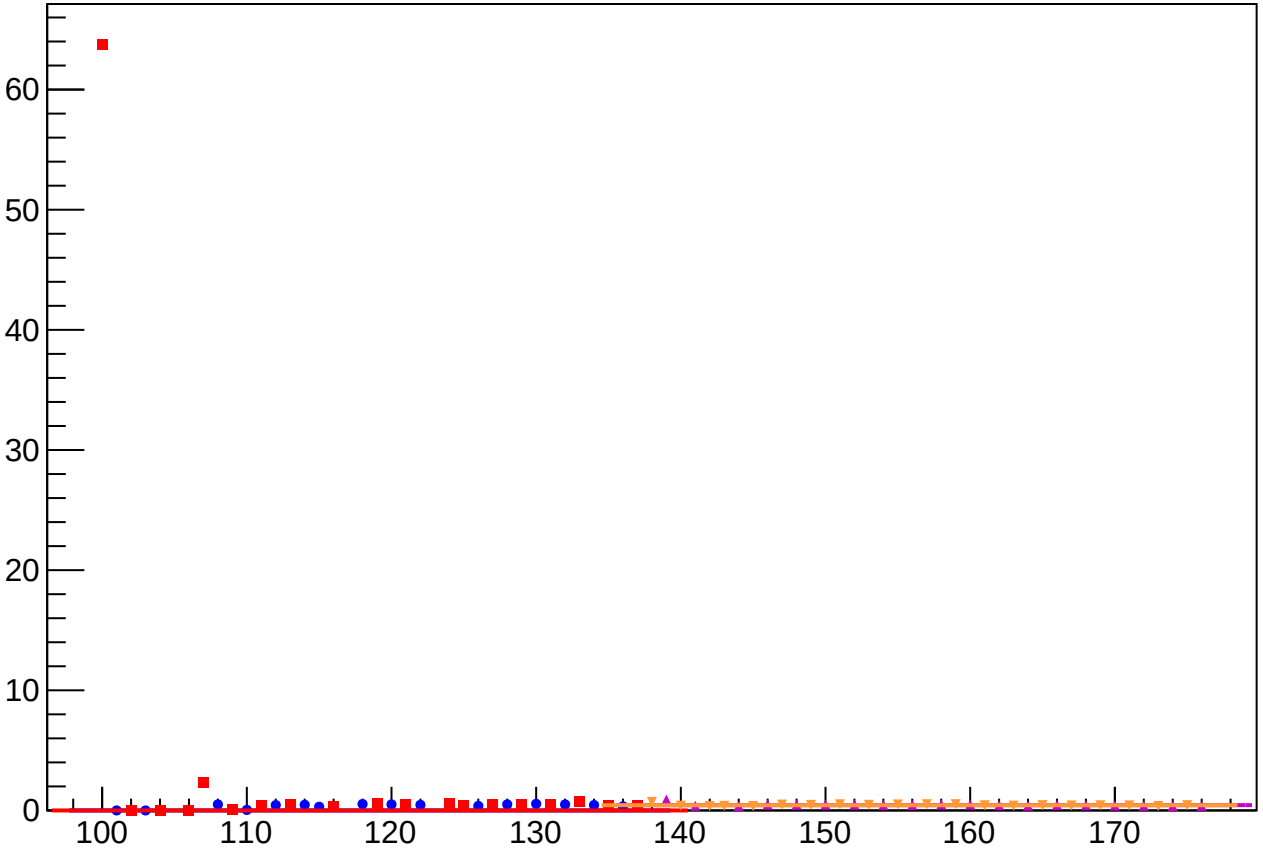
Left In: 0.665+/-0.000 χ^2/NDF:79944604.6/18

+ sign -61.425+/-0.000 χ^2/NDF: 530837362289.8/3

All: -52.740+/-0.000 χ^2/NDF: 409494592303

- sign -45.238+/-0.000 χ^2/NDF: 358005083063049.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.435+/-0.000 χ^2/NDF:507775.4/19

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

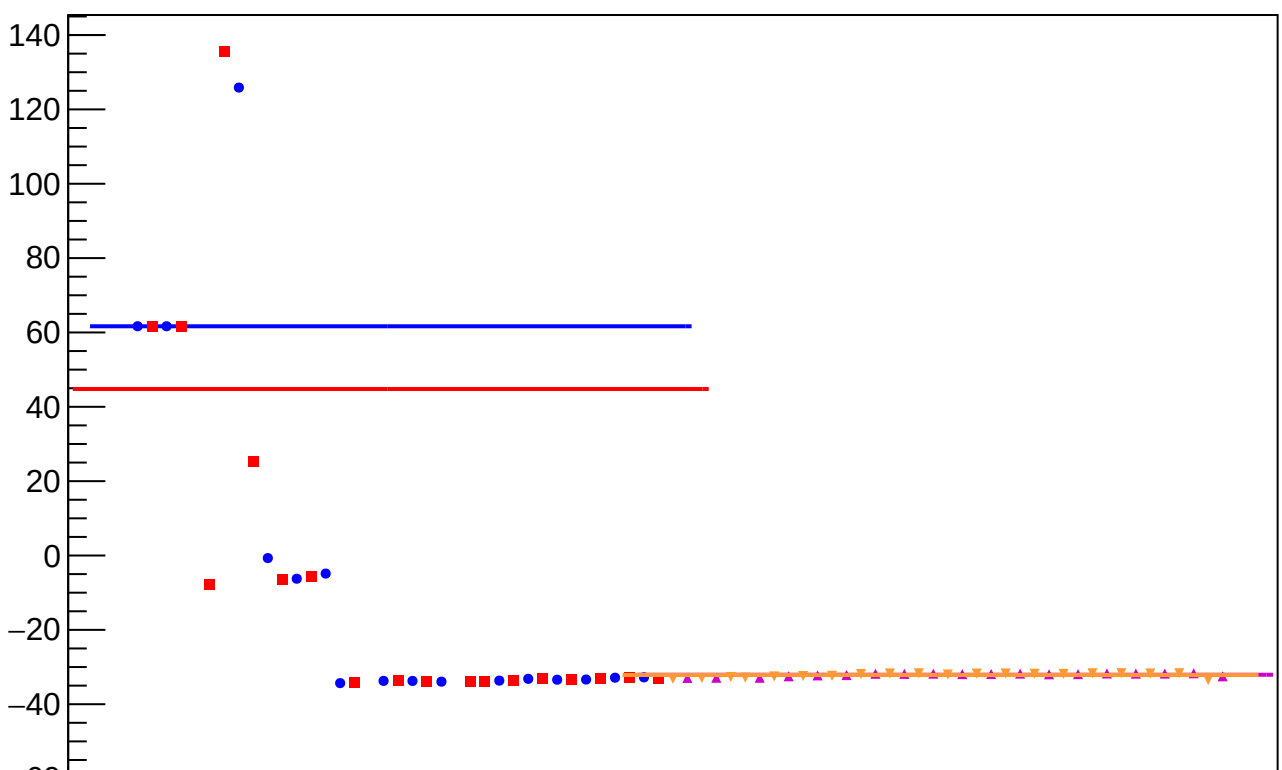
Left In: 0.441+/-0.000 χ^2/NDF:684845.9/18

+ sign 0.002+/-0.000 χ^2/NDF: 34882059.0/35

All: 0.002+/-0.000 χ^2/NDF: 69648547.9/73

- sign 0.002+/-0.000 χ^2/NDF: 34766394.9/37

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.148+/-0.000 χ^2/NDF:56907892.4/19

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

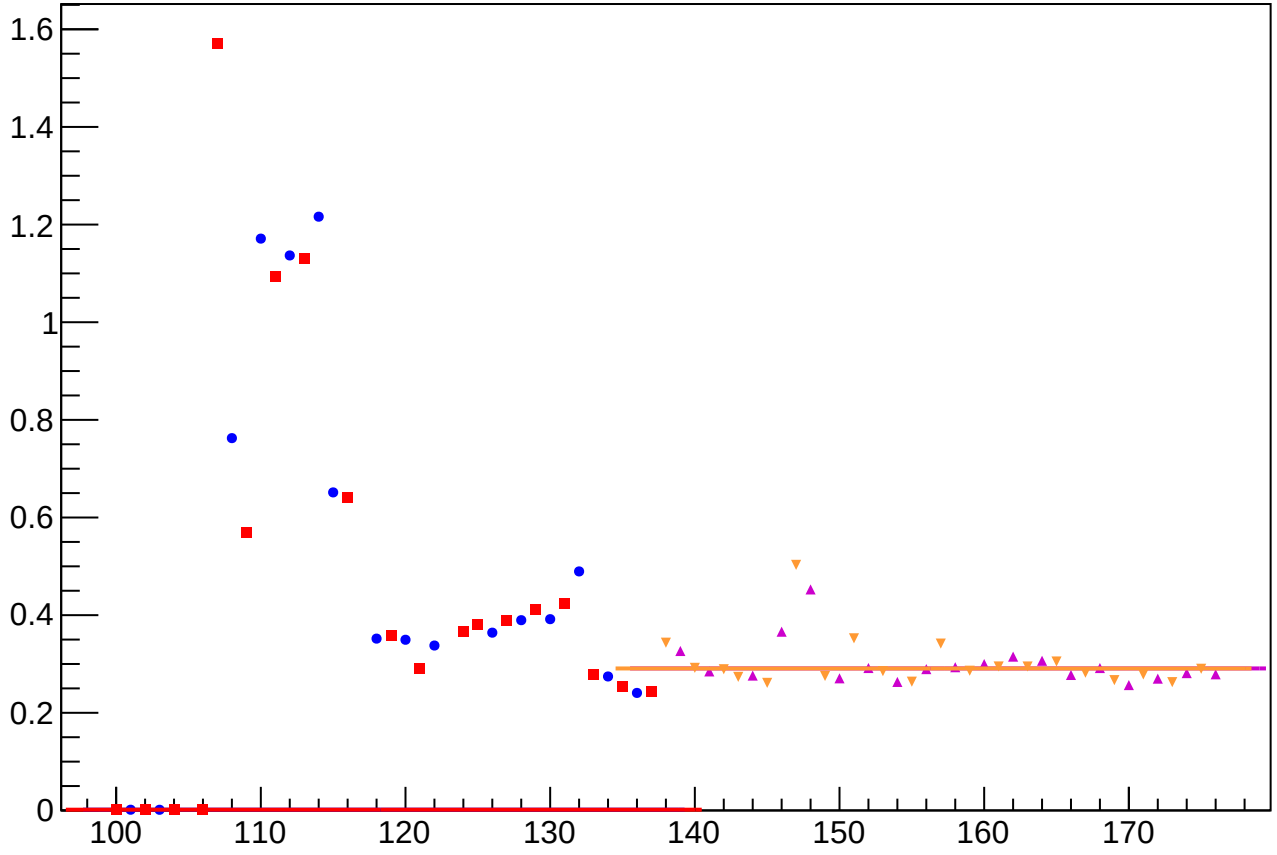
Left In: -32.070+/-0.000 χ^2/NDF:31145675.9/18

+ sign 61.612+/-0.000 χ^2/NDF: 1934542731727.7/3

All: 52.647+/-0.000 χ^2/NDF: 420101283887

- sign 44.751+/-0.000 χ^2/NDF: 367125179642532.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.291+/-0.000 χ^2/NDF:489299.4/19

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

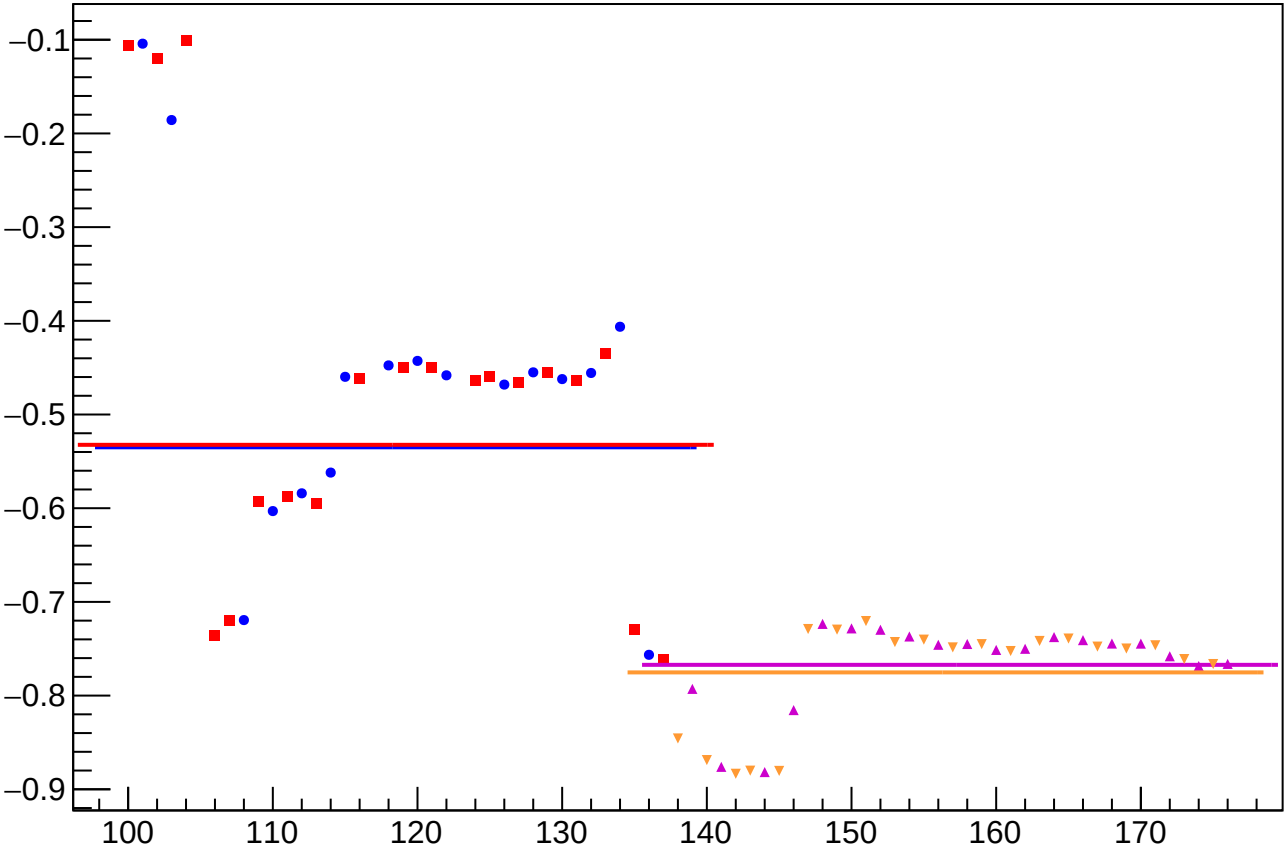
Left In: 0.291+/-0.000 χ^2/NDF:383553.6/18

+ sign 0.002+/-0.000 χ^2/NDF: 41285758.8/35

All: 0.002+/-0.000 χ^2/NDF: 81437961.8/73

- sign 0.002+/-0.000 χ^2/NDF: 40152201.8/37

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.775+/-0.000 χ^2/NDF:112018149.9/19

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

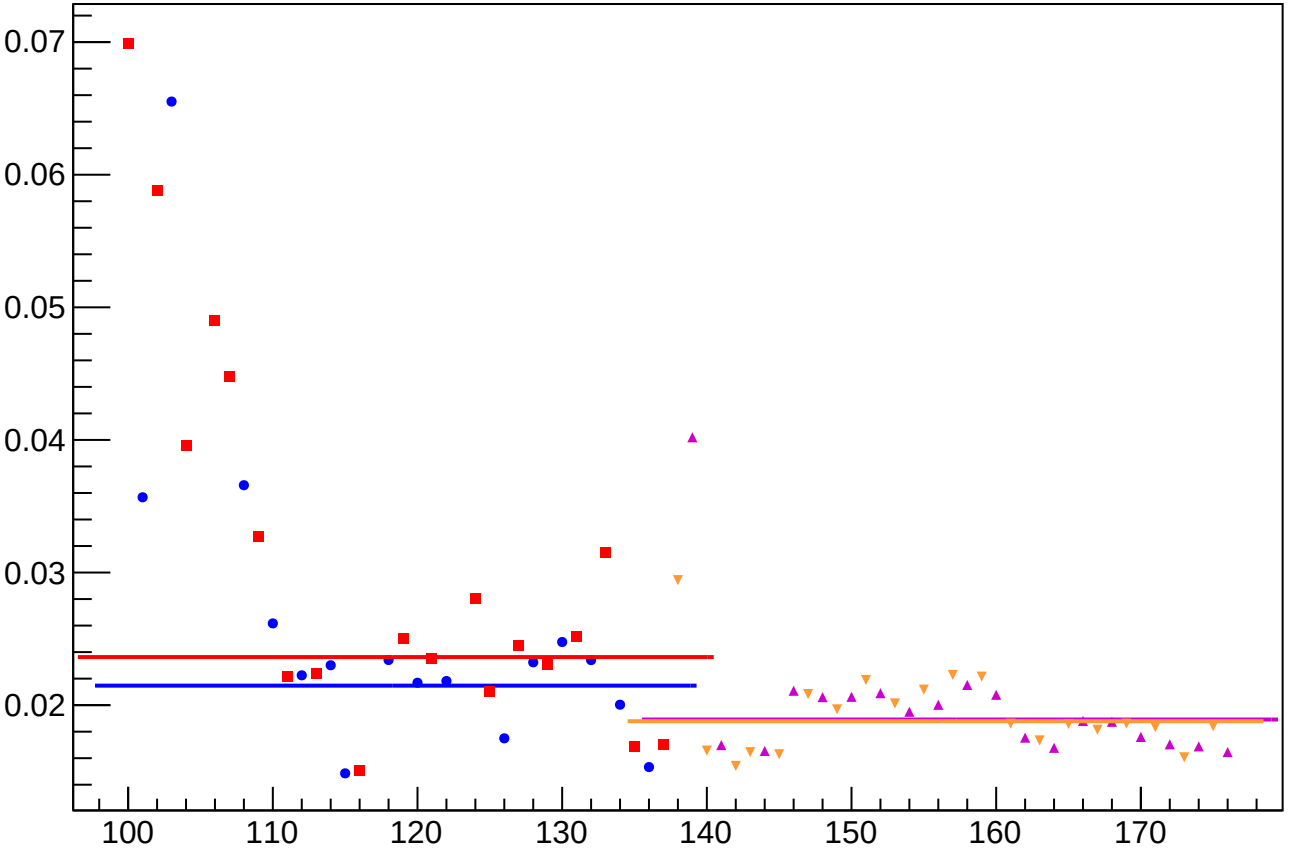
Left In: -0.767+/-0.000 χ^2/NDF:77630111.0/18

+ sign -0.716+/-0.000 χ^2/NDF: 919543248.0/35

All: -0.715+/-0.000 χ^2/NDF: 1638980310.7/7

- sign -0.715+/-0.000 χ^2/NDF: 719358448.4/37

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:452026.8/19

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

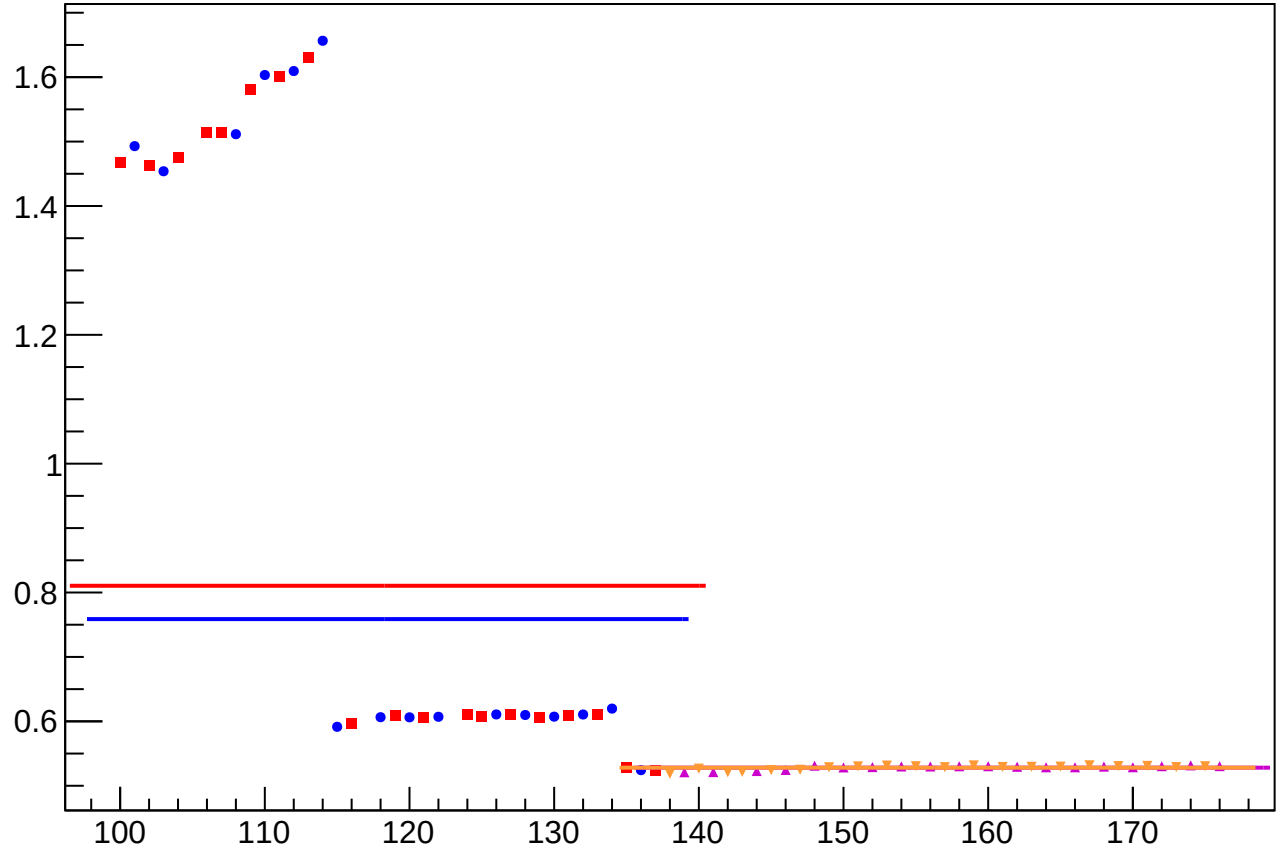
Left In: 0.019+/-0.000 χ^2/NDF:691177.0/18

+ sign 0.019+/-0.000 χ^2/NDF: 1732486.0/35

All: 0.020+/-0.000 χ^2/NDF: 4057540.1/73

- sign 0.020+/-0.000 χ^2/NDF: 2312291.0/37

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.528+/-0.000 χ^2/NDF:1439354.6/19

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

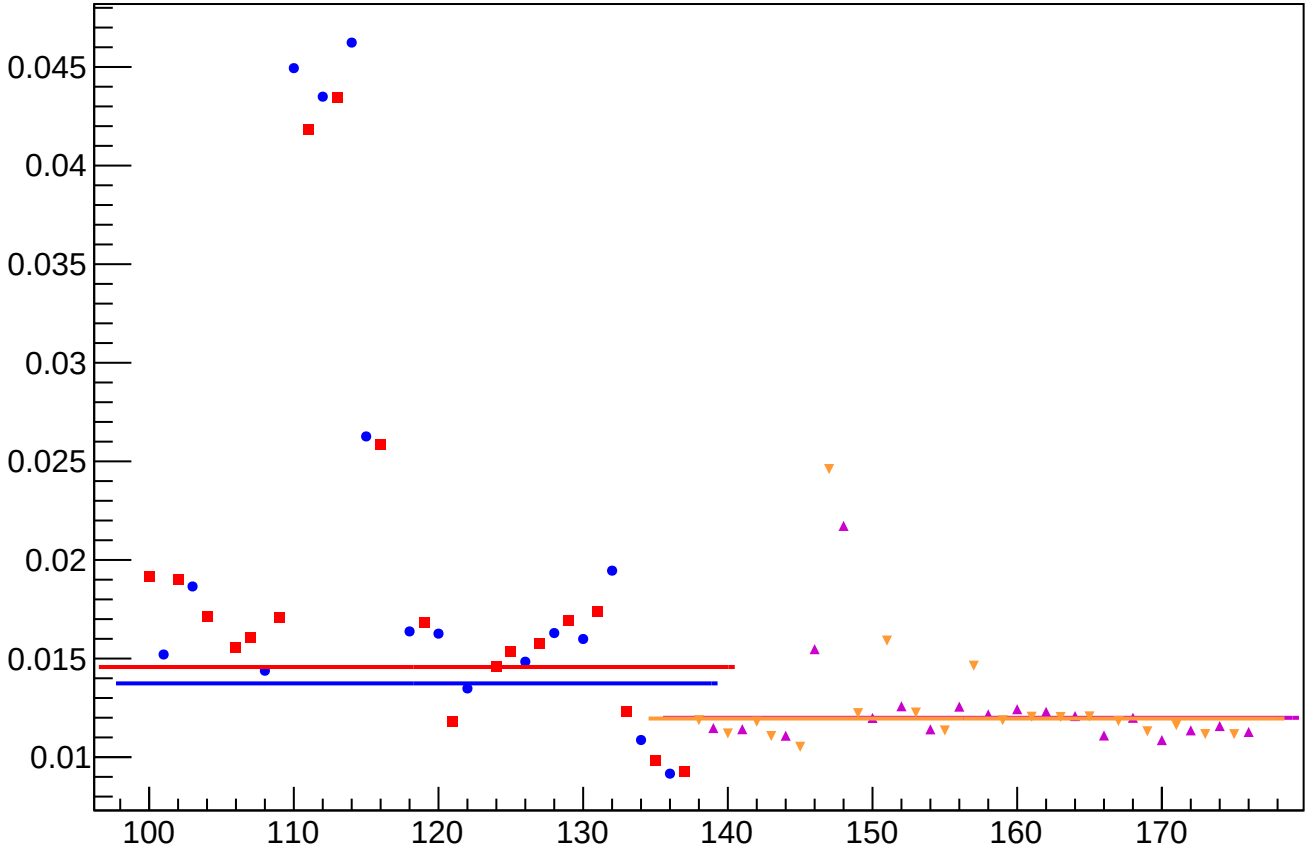
Left In: 0.528+/-0.000 χ^2/NDF:1148754.3/18

+ sign 0.581+/-0.000 χ^2/NDF: 5596423123.1/35

All: 0.586+/-0.000 χ^2/NDF: 12196066184.1/7

- sign 0.591+/-0.000 χ^2/NDF: 6593529215.6/37

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:644469.2/19

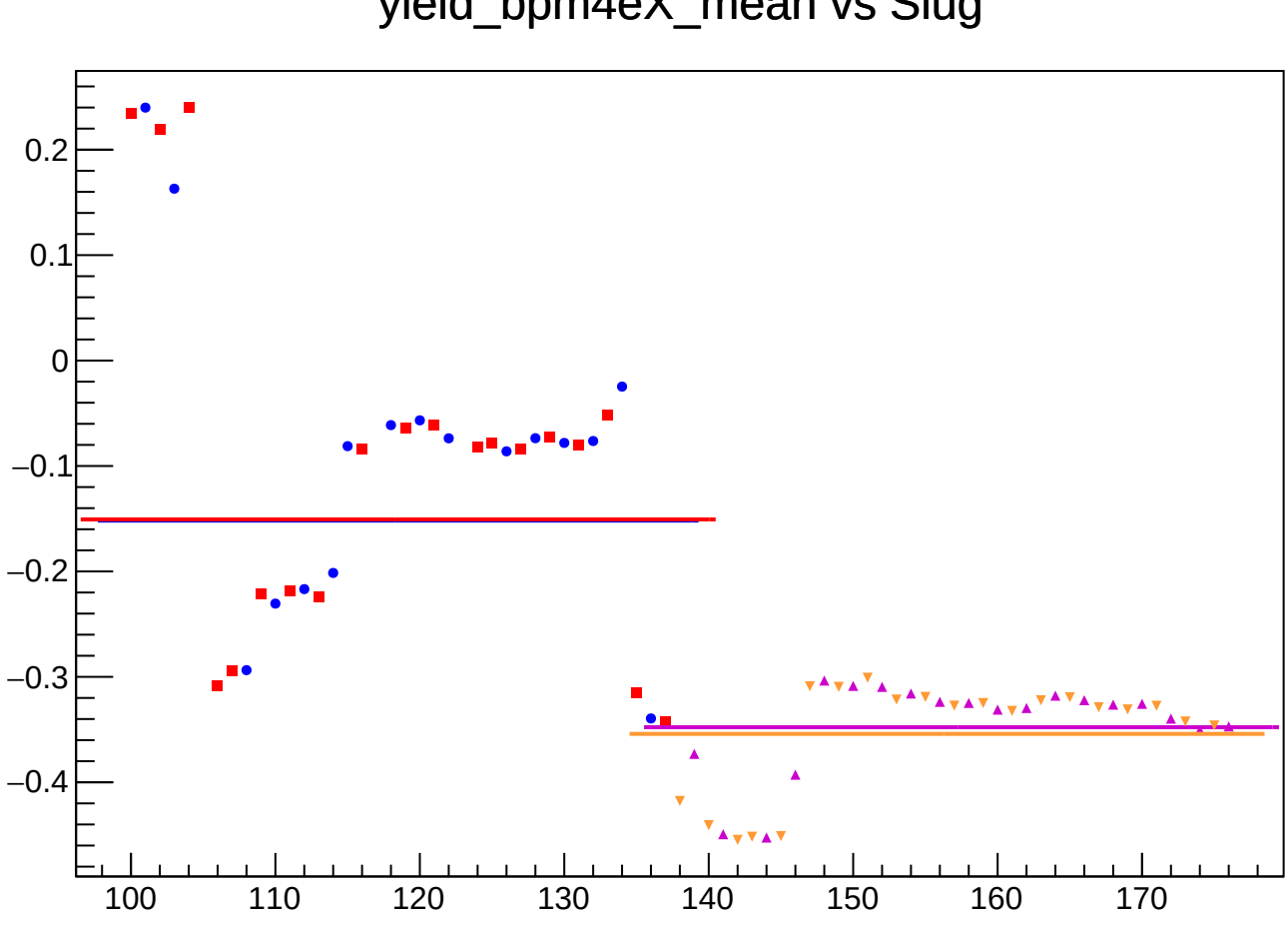
Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:467741.0/18

+ sign 0.012+/-0.000 χ^2/NDF: 2448323.1/35

All: 0.012+/-0.000 χ^2/NDF: 4679851.6/73

- sign 0.013+/-0.000 χ^2/NDF: 2226278.3/37



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.354+/-0.000 χ^2/NDF:107932361.6/19

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

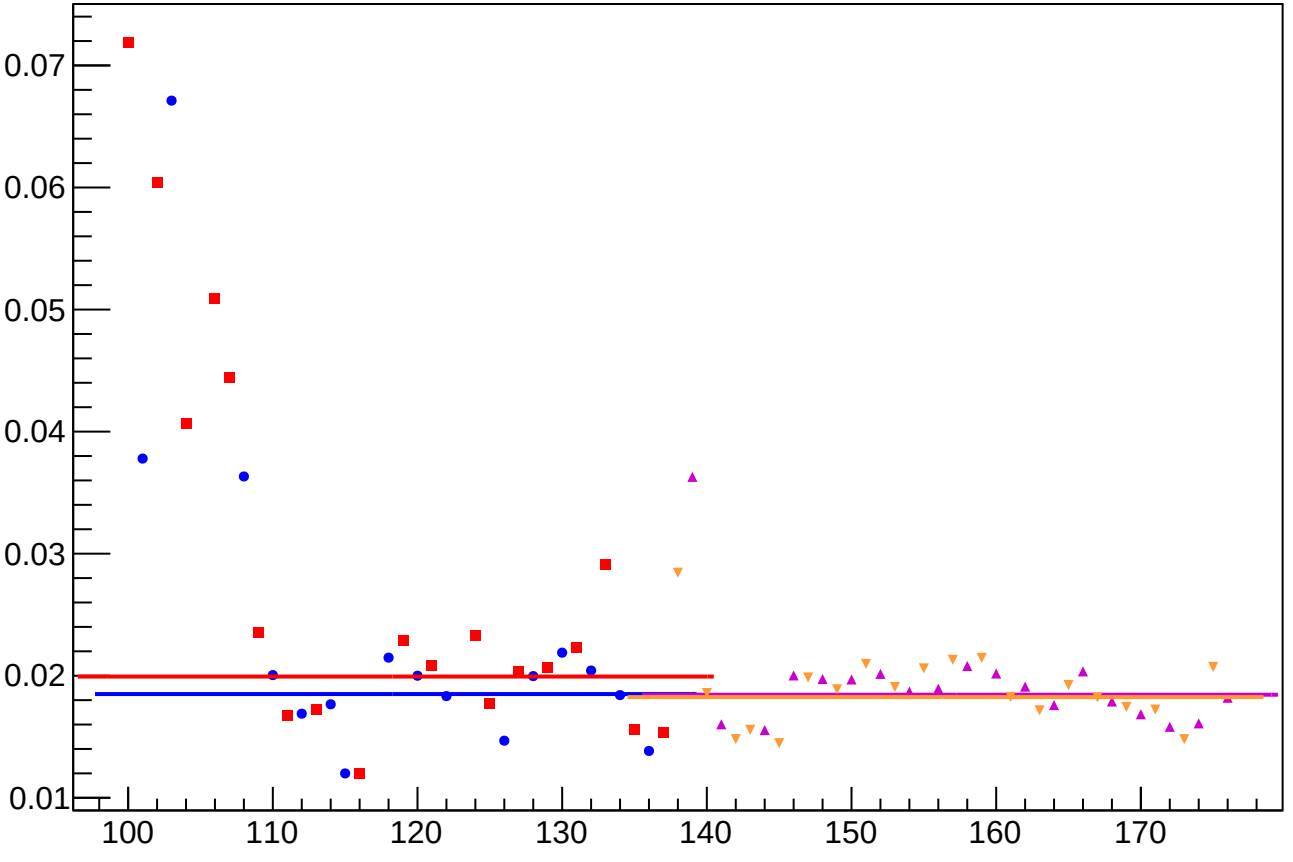
Left In: -0.348+/-0.000 χ^2/NDF:78131213.7/18

+ sign -0.296+/-0.000 χ^2/NDF: 834825300.8/35

All: -0.295+/-0.000 χ^2/NDF: 1500644852.6/7

- sign -0.294+/-0.000 χ^2/NDF: 665736842.5/37

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:538586.5/19

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

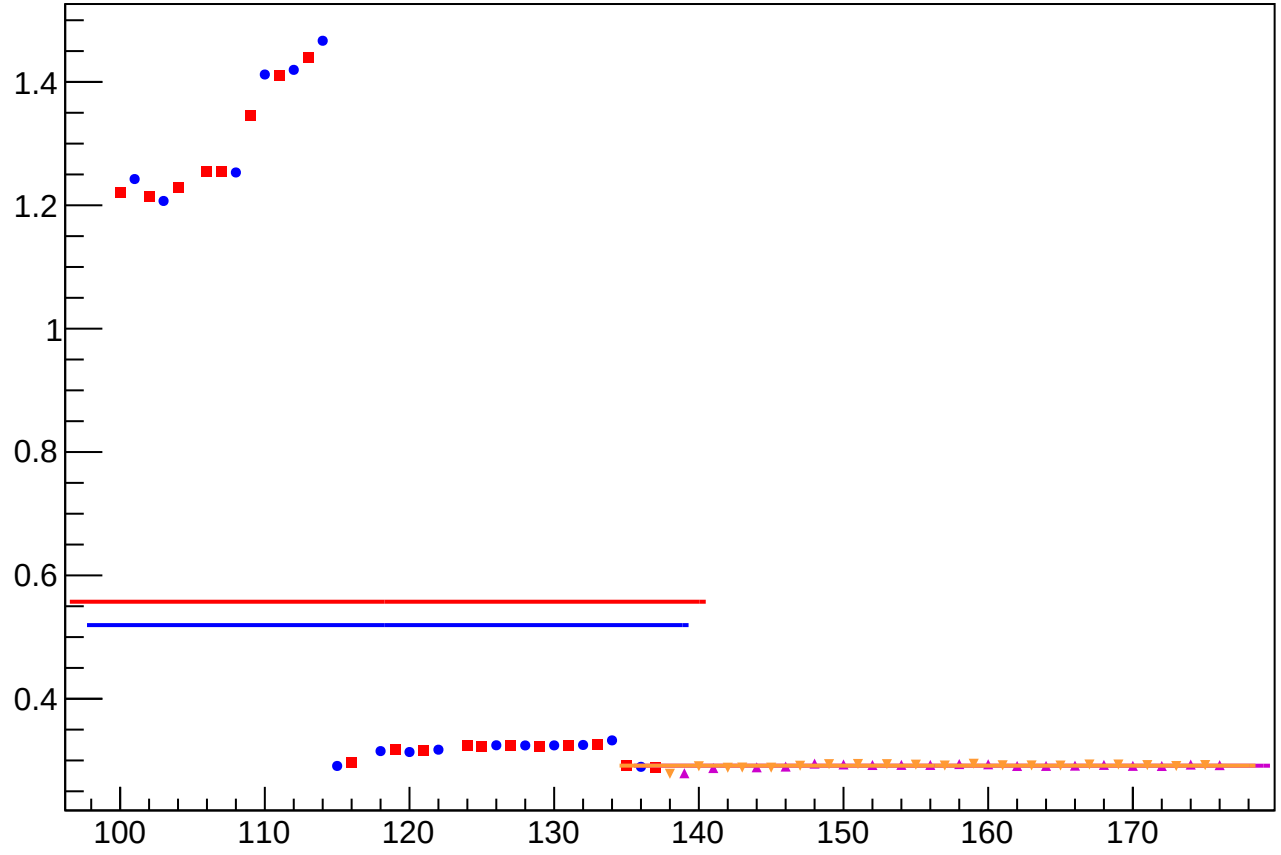
Left In: 0.018+/-0.000 χ^2/NDF:635060.2/18

+ sign 0.018+/-0.000 χ^2/NDF: 1912331.4/35

All: 0.019+/-0.000 χ^2/NDF: 4153680.8/73

- sign 0.019+/-0.000 χ^2/NDF: 2226789.9/37

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.292+/-0.000 χ^2/NDF:1209734.0/19

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

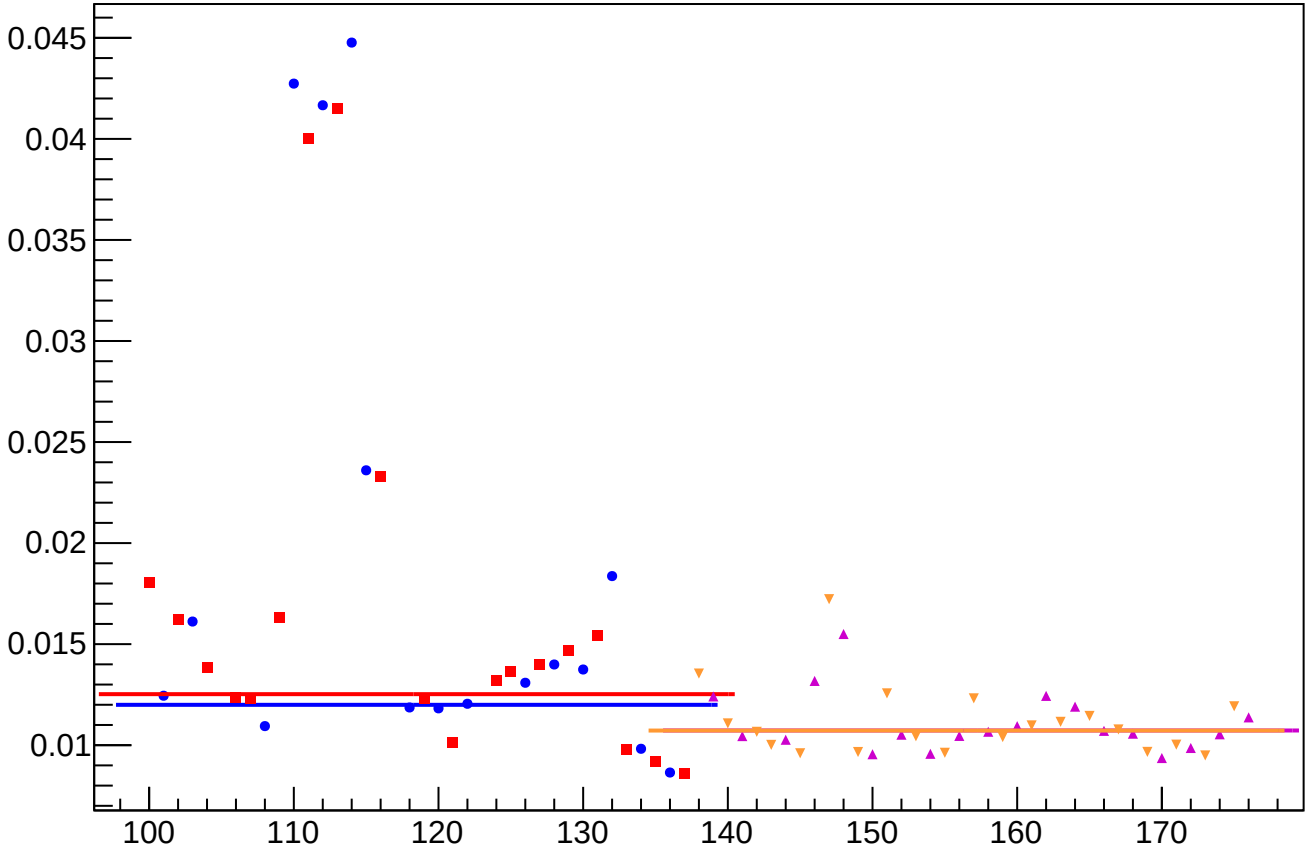
Left In: 0.291+/-0.000 χ^2/NDF:1220327.7/18

+ sign 0.346+/-0.000 χ^2/NDF: 7952290598.7/35

All: 0.350+/-0.000 χ^2/NDF: 16818027307.5/7

- sign 0.354+/-0.000 χ^2/NDF: 8861414091.1/37

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:503306.2/19

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

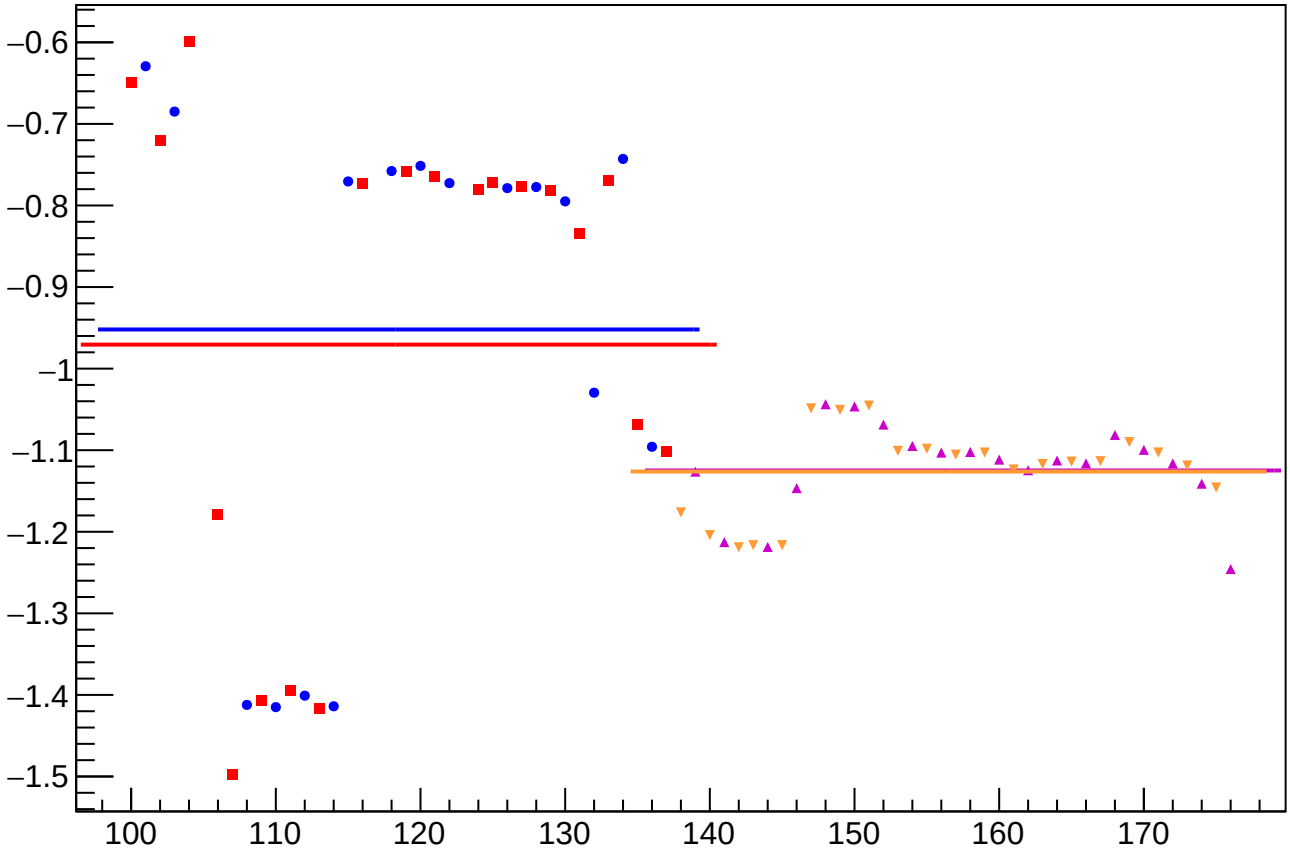
Left In: 0.011+/-0.000 χ^2/NDF:388052.1/18

+ sign 0.011+/-0.000 χ^2/NDF: 2096832.4/35

All: 0.011+/-0.000 χ^2/NDF: 4114786.6/73

- sign 0.011+/-0.000 χ^2/NDF: 2015639.0/37

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.126+/-0.000 χ^2/NDF:103314751.6/19

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

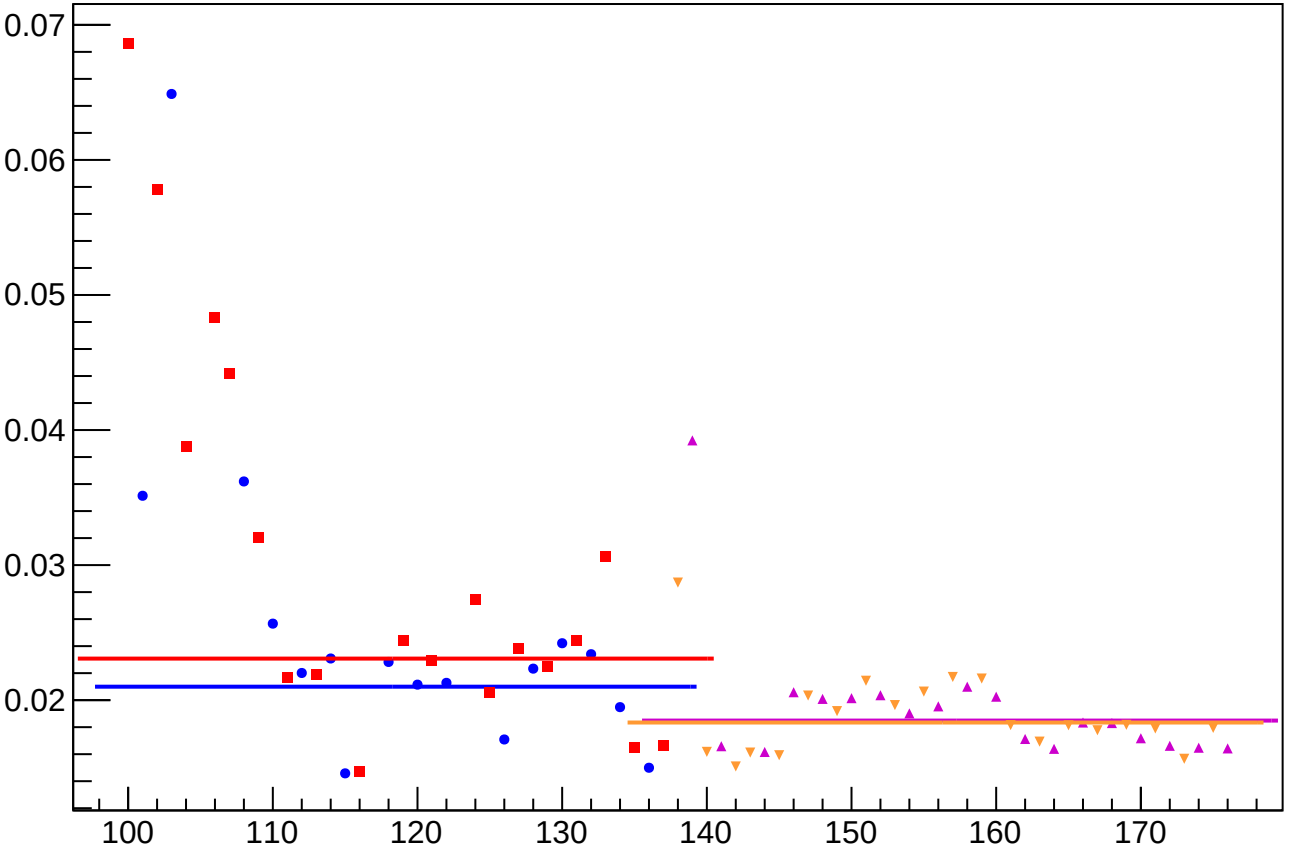
Left In: -1.125+/-0.000 χ^2/NDF:106936172.4/18

+ sign -1.084+/-0.000 χ^2/NDF: 1081066774.2/35

All: -1.087+/-0.000 χ^2/NDF: 2096449870.9/7

- sign -1.090+/-0.000 χ^2/NDF: 1014301474.3/37

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:449317.7/19

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

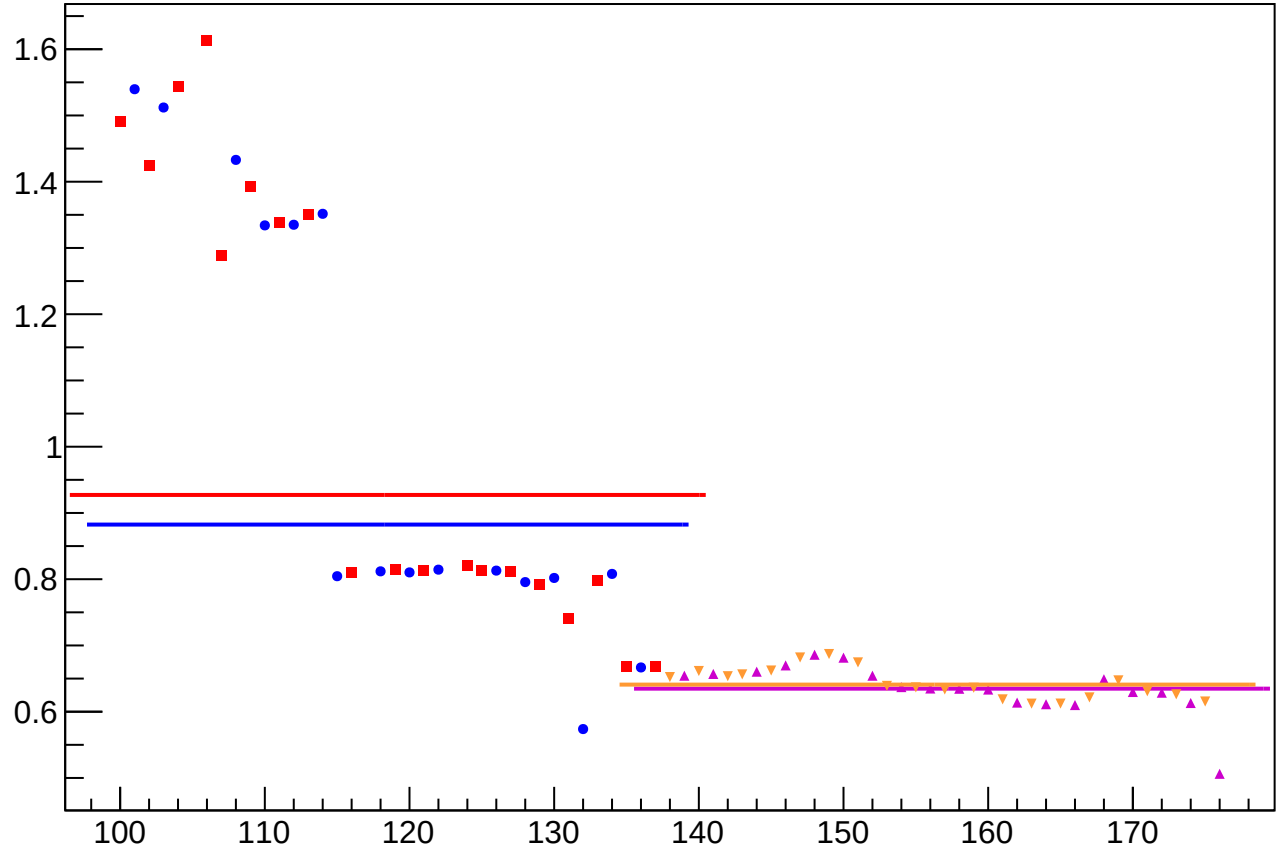
Left In: 0.018+/-0.000 χ^2/NDF:682382.2/18

+ sign 0.019+/-0.000 χ^2/NDF: 1745455.7/35

All: 0.019+/-0.000 χ^2/NDF: 4063621.0/73

- sign 0.020+/-0.000 χ^2/NDF: 2305022.1/37

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.641+/-0.000 χ^2/NDF:45678265.1/19

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

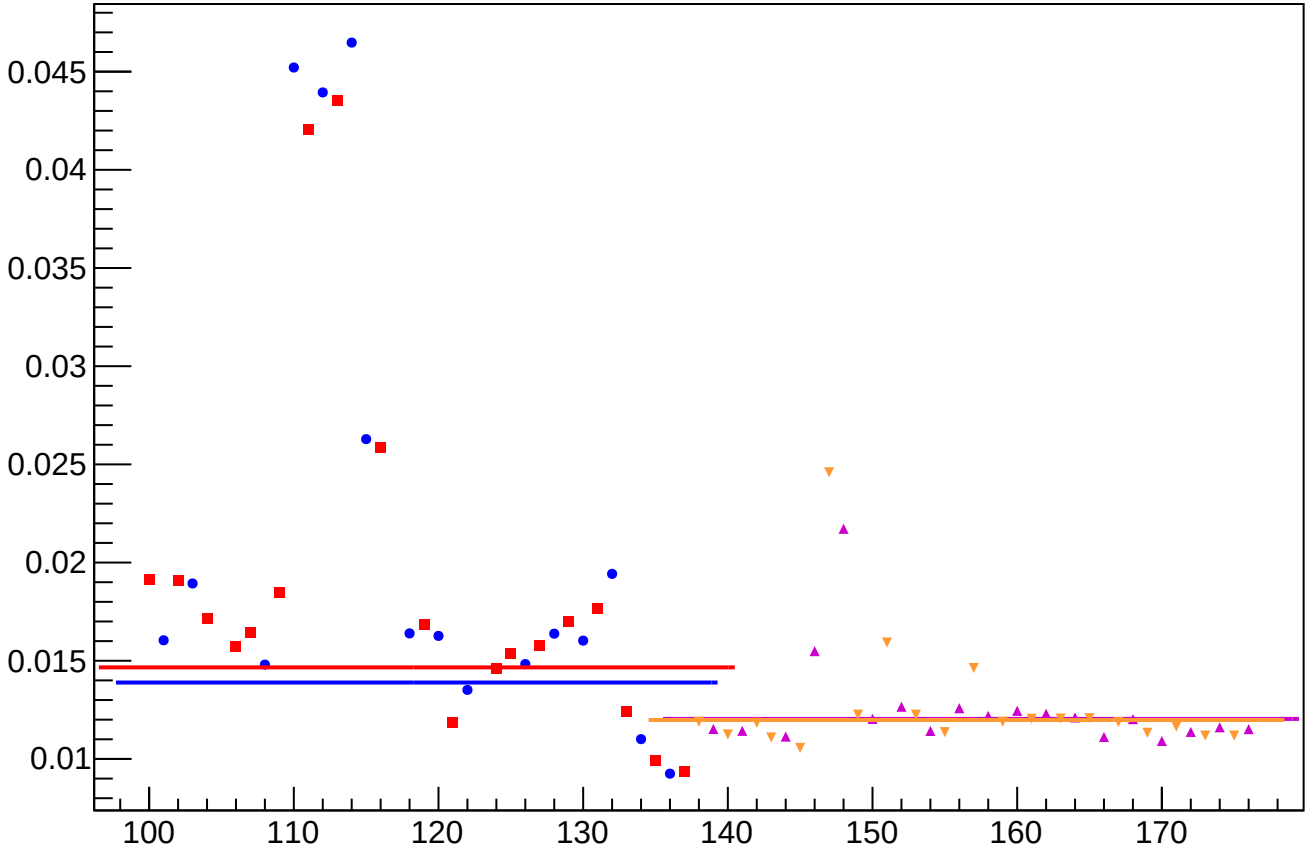
Left In: 0.635+/-0.000 χ^2/NDF:123770445.3/18

+ sign 0.696+/-0.000 χ^2/NDF: 4216485262.5/35

All: 0.697+/-0.000 χ^2/NDF: 9028421234.8/73

- sign 0.699+/-0.000 χ^2/NDF: 4811070596.2/37

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:639088.6/19

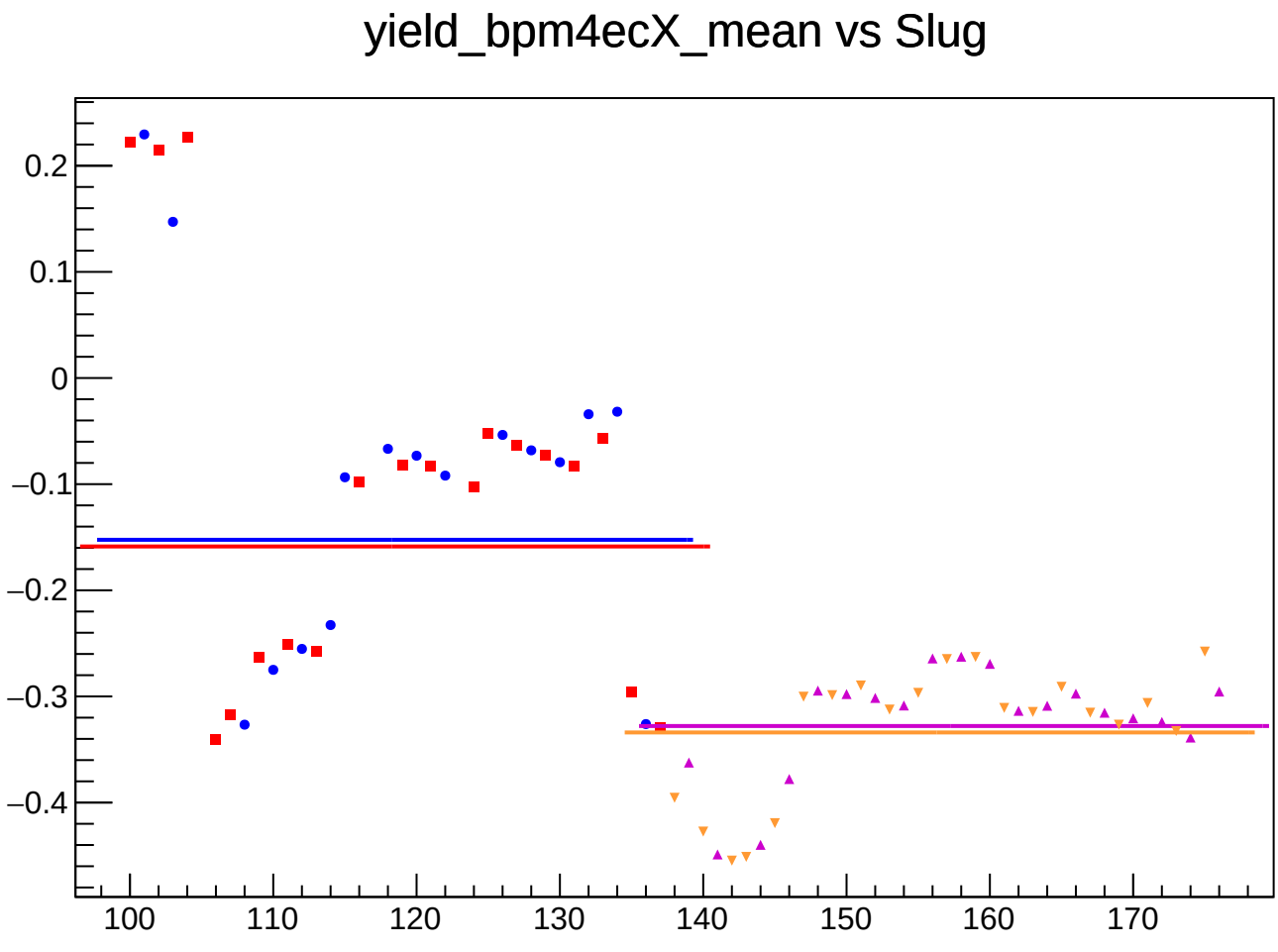
Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

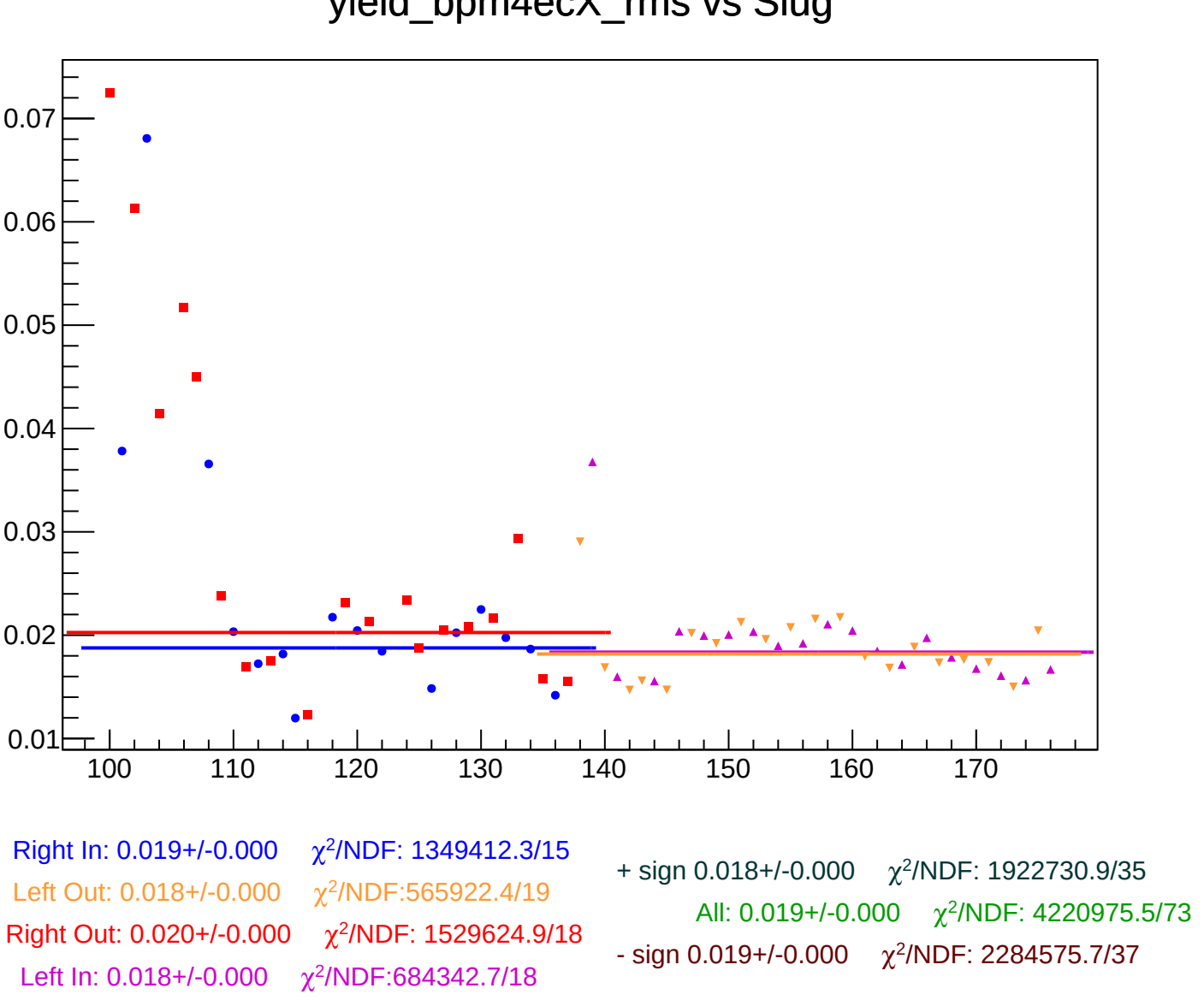
Left In: 0.012+/-0.000 χ^2/NDF:461076.3/18

+ sign 0.012+/-0.000 χ^2/NDF: 2458981.9/35

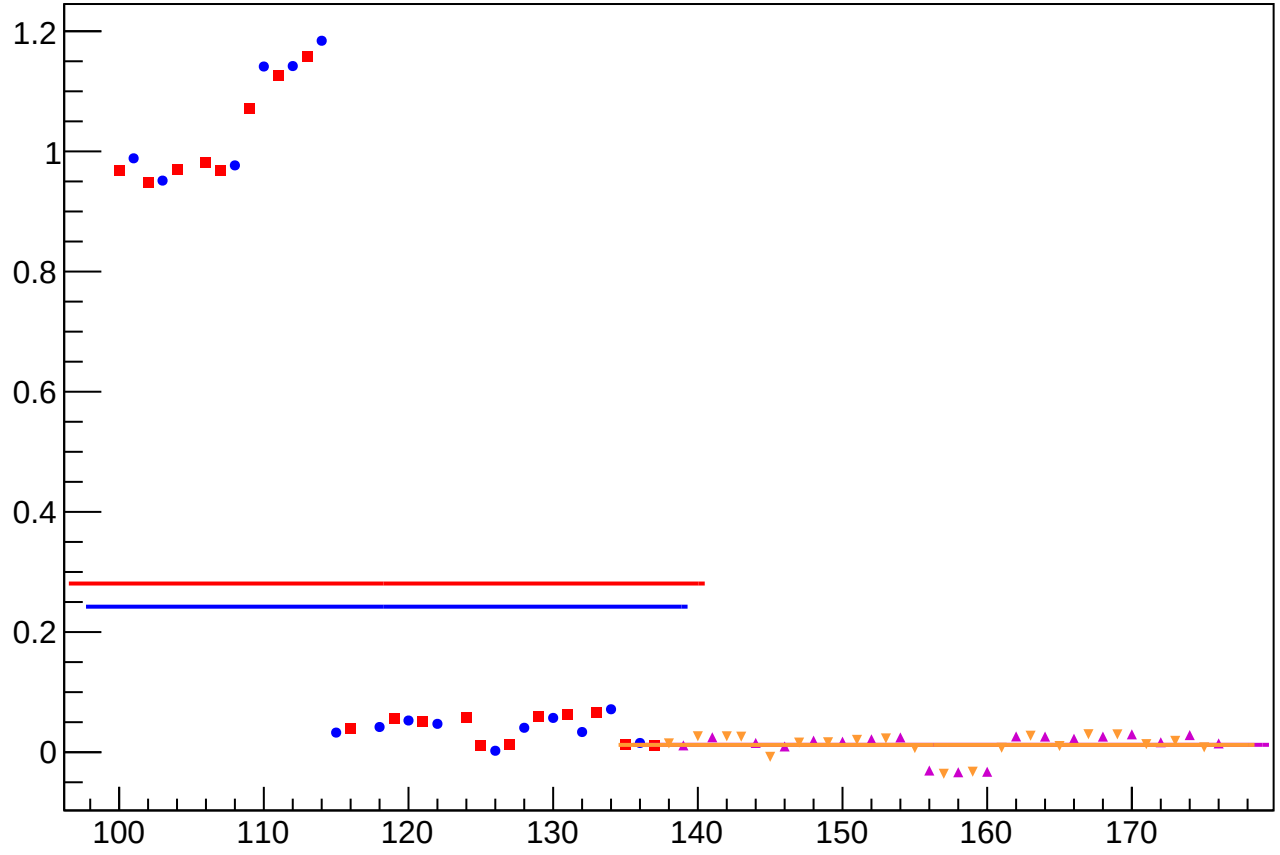
All: 0.013+/-0.000 χ^2/NDF: 4702425.5/73

- sign 0.013+/-0.000 χ^2/NDF: 2238004.2/37


yield_bpm4ecX_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
Right In: -0.152+/-0.000 χ²/NDF: 274261842.6/15
Left Out: -0.334+/-0.000 χ²/NDF:136320762.0/19
Right Out: -0.159+/-0.000 χ²/NDF: 195614120.0/18
Left In: -0.328+/-0.000 χ²/NDF:106058521.9/18
+ sign -0.283+/-0.000 χ²/NDF: 765825115.3/35
All: -0.283+/-0.000 χ²/NDF: 1346867704.9/7
- sign -0.283+/-0.000 χ²/NDF: 581040953.7/37


yield_bpm4ecX_rms vs Slug
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
Right In: 0.019+/-0.000 χ²/NDF: 1349412.3/15
Left Out: 0.018+/-0.000 χ²/NDF:565922.4/19
Right Out: 0.020+/-0.000 χ²/NDF: 1529624.9/18
Left In: 0.018+/-0.000 χ²/NDF:684342.7/18
+ sign 0.018+/-0.000 χ²/NDF: 1922730.9/35
All: 0.019+/-0.000 χ²/NDF: 4220975.5/73
- sign 0.019+/-0.000 χ²/NDF: 2284575.7/37

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:44710830.9/19

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

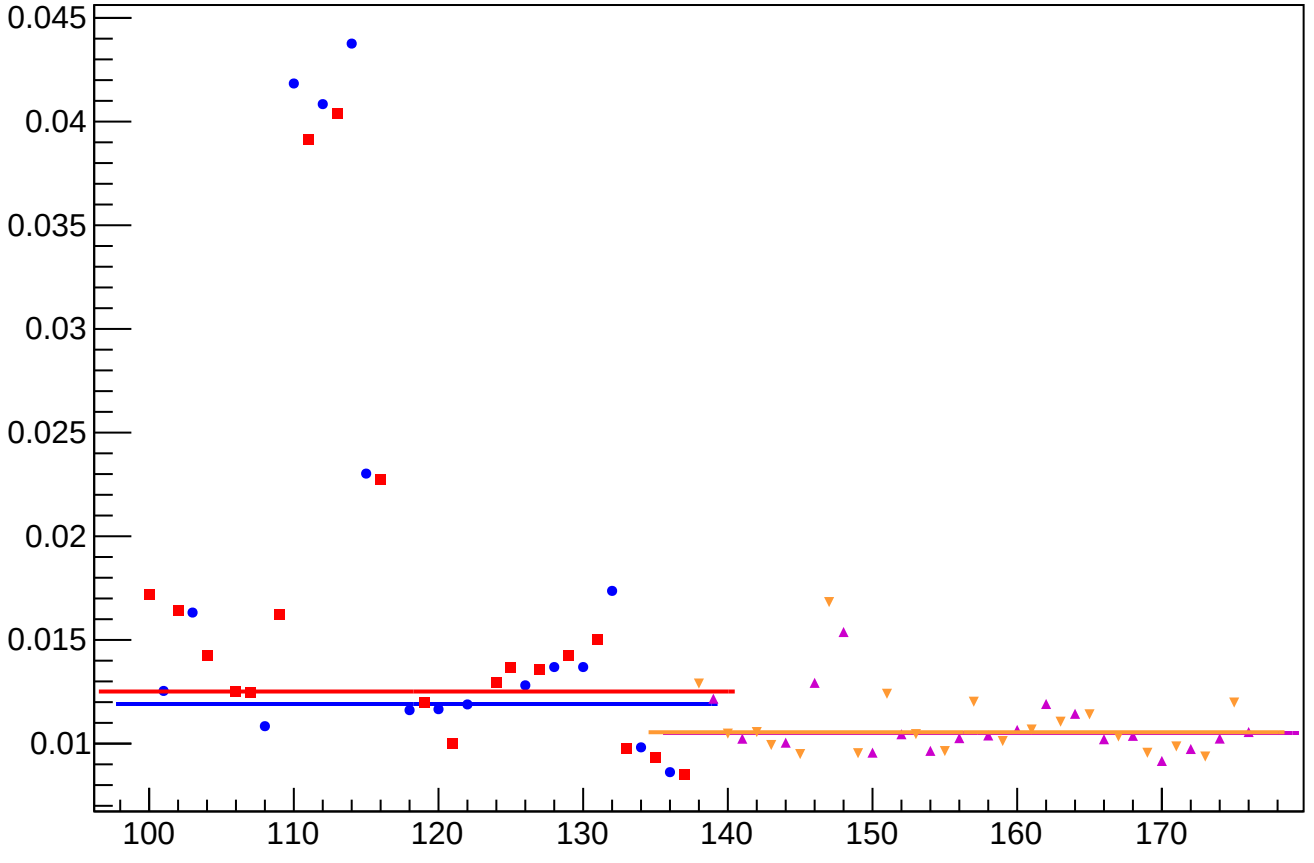
Left In: 0.012+/-0.000 χ^2/NDF:57585237.6/18

+ sign 0.067+/-0.000 χ^2/NDF: 8249686955.0/35

All: 0.070+/-0.000 χ^2/NDF: 17250391996.6/7

- sign 0.073+/-0.000 χ^2/NDF: 8997272113.4/37

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:472625.5/19

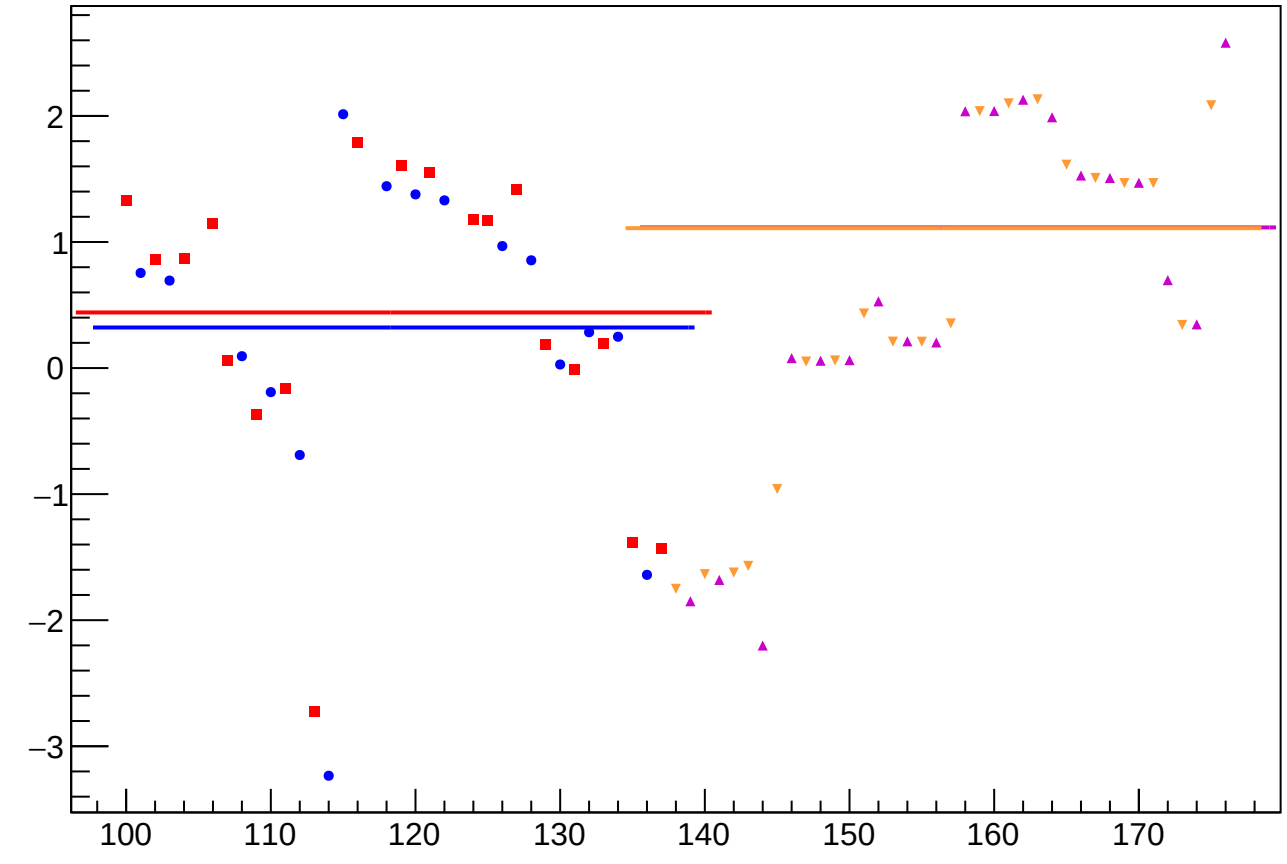
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:360564.8/18

+ sign 0.011+/-0.000 χ^2/NDF: 2051081.8/35

All: 0.011+/-0.000 χ^2/NDF: 4048182.2/73

- sign 0.011+/-0.000 χ^2/NDF: 1995588.0/37



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.110+/-0.000 χ^2/NDF:34660384567.3/19

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

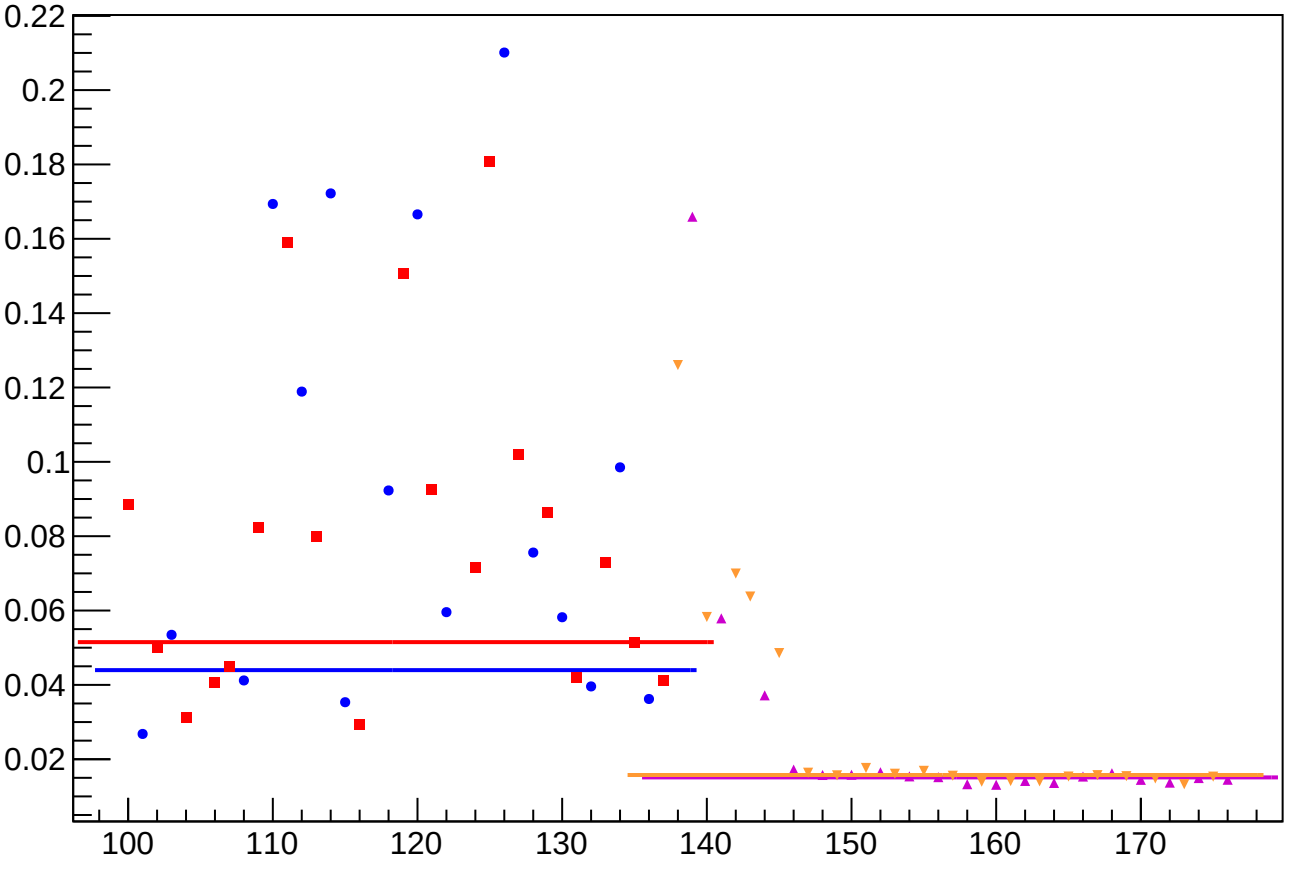
Left In: 1.116+/-0.000 χ^2/NDF:41914392695.0/18

+ sign 1.077+/-0.000 χ^2/NDF: 37506761050.1/35

All: 1.086+/-0.000 χ^2/NDF: 81950069717.4/7

- sign 1.094+/-0.000 χ^2/NDF: 44436202199.2/37

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2942929.2/19

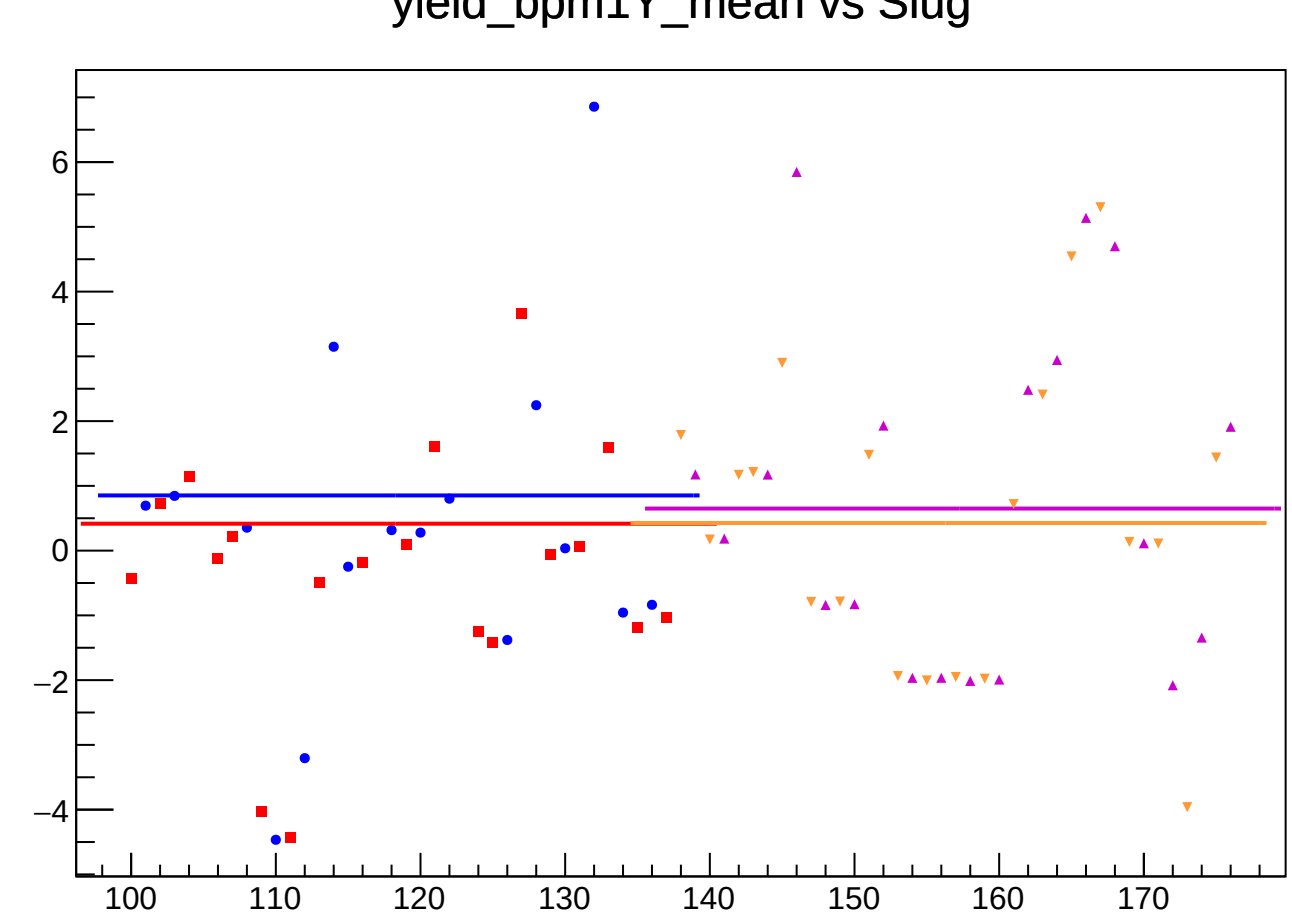
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2171537.4/18

+ sign 0.017+/-0.000 χ^2/NDF: 8760029.9/35

All: 0.017+/-0.000 χ^2/NDF: 17542822.0/73

- sign 0.016+/-0.000 χ^2/NDF: 8761173.0/37



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.427+/-0.000 χ^2/NDF:504644074363.1/19

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

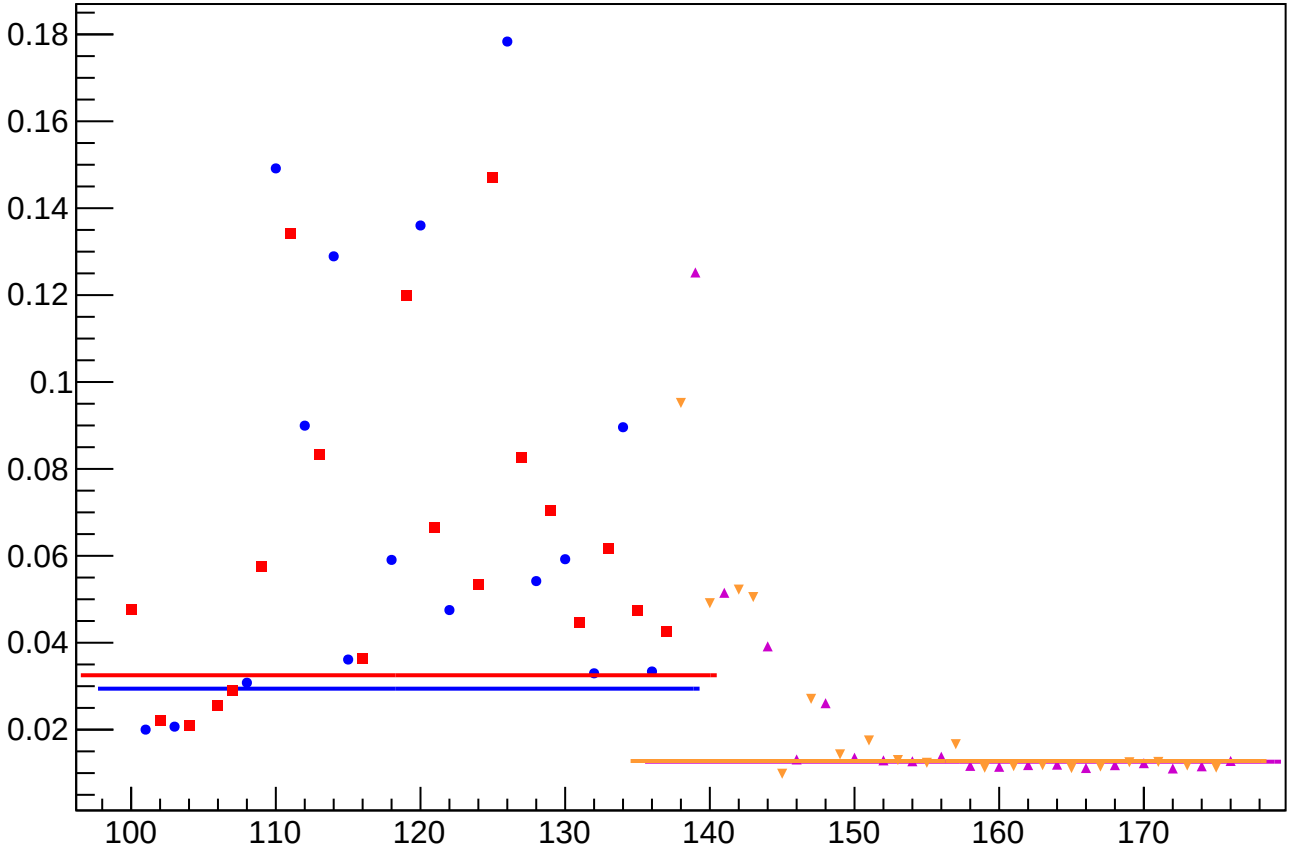
Left In: 0.650+/-0.000 χ^2/NDF:599750082305.8/18

+ sign 0.449+/-0.000 χ^2/NDF: 516951678595.6/35

All: 0.546+/-0.000 χ^2/NDF: 1123497052846.

- sign 0.639+/-0.000 χ^2/NDF: 605075439653.3/37

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3161828.4/19

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

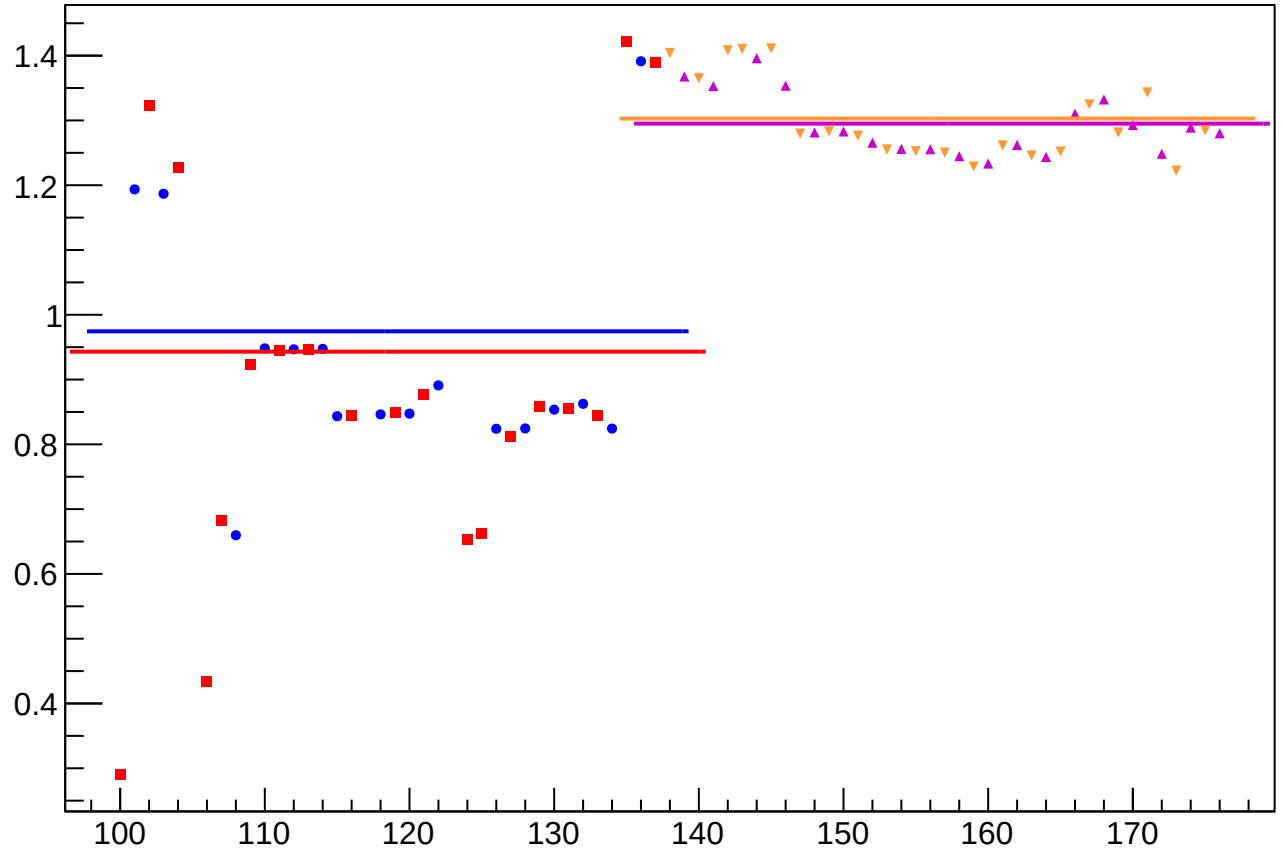
Left In: 0.013+/-0.000 χ^2/NDF:2734314.6/18

+ sign 0.014+/-0.000 χ^2/NDF: 8589120.2/35

All: 0.014+/-0.000 χ^2/NDF: 17583858.0/73

- sign 0.014+/-0.000 χ^2/NDF: 8993645.2/37

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.303+/-0.000 χ^2/NDF:298895154.1/19

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

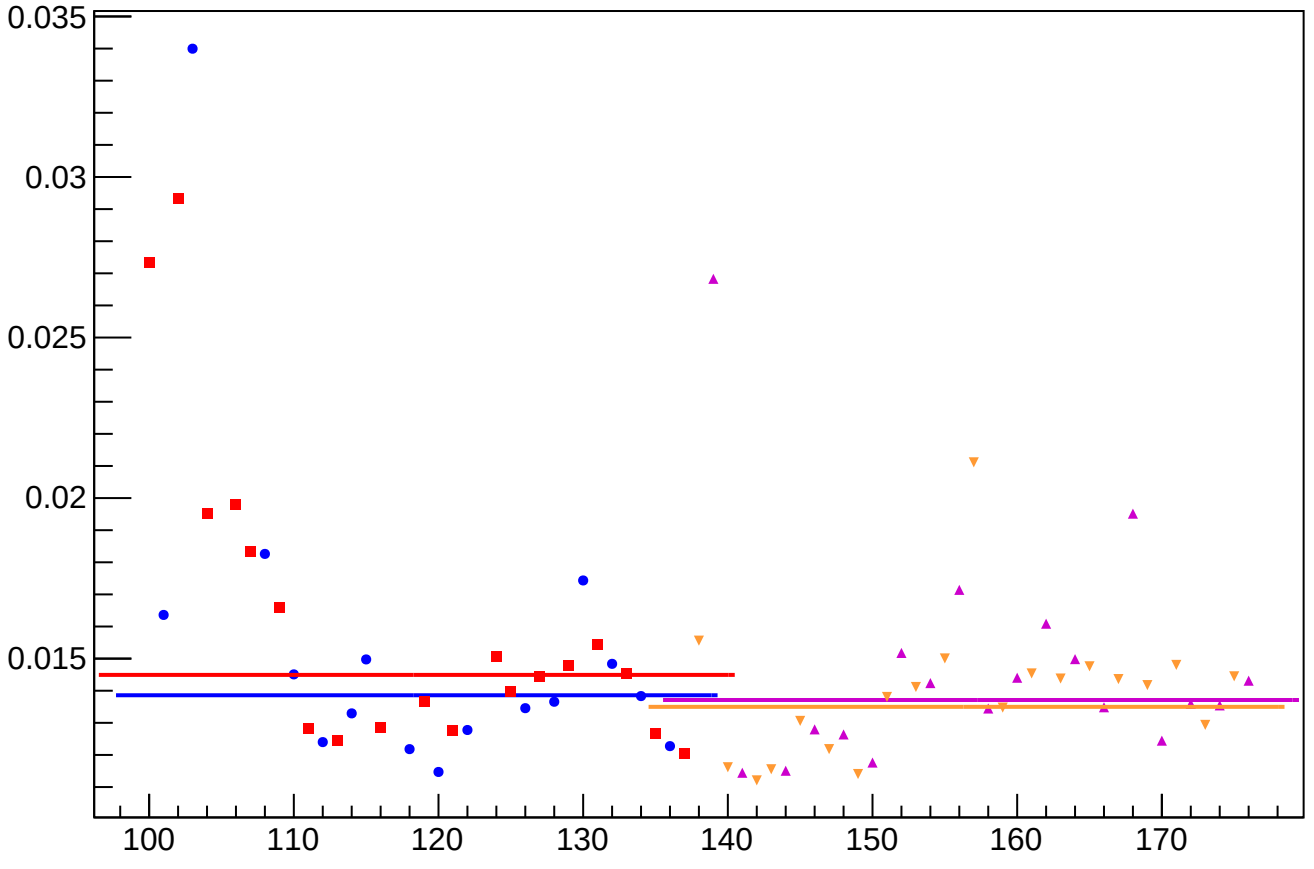
Left In: 1.295+/-0.000 χ^2/NDF:165572400.4/18

+ sign 1.204+/-0.000 χ^2/NDF: 4202774734.9/35

All: 1.198+/-0.000 χ^2/NDF: 8710870663.1/73

- sign 1.191+/-0.000 χ^2/NDF: 4498404562.3/37

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:434477.9/19

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

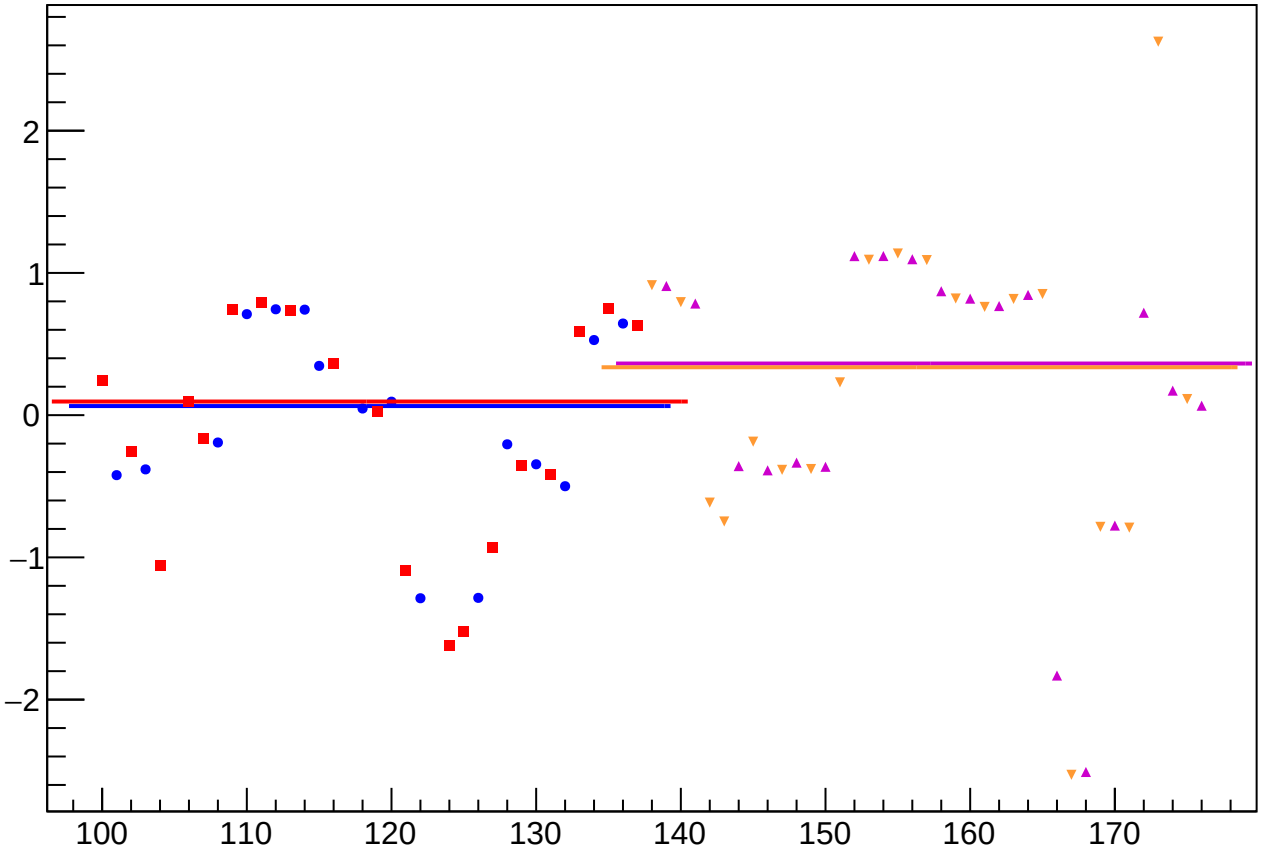
Left In: 0.014+/-0.000 χ^2/NDF:844744.9/18

+ sign 0.014+/-0.000 χ^2/NDF: 1040367.3/35

All: 0.014+/-0.000 χ^2/NDF: 2467655.1/73

- sign 0.014+/-0.000 χ^2/NDF: 1415348.9/37

yield_bpm11Y_mean vs Slug



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.337+/-0.000 χ^2/NDF:100141880886.7/19

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

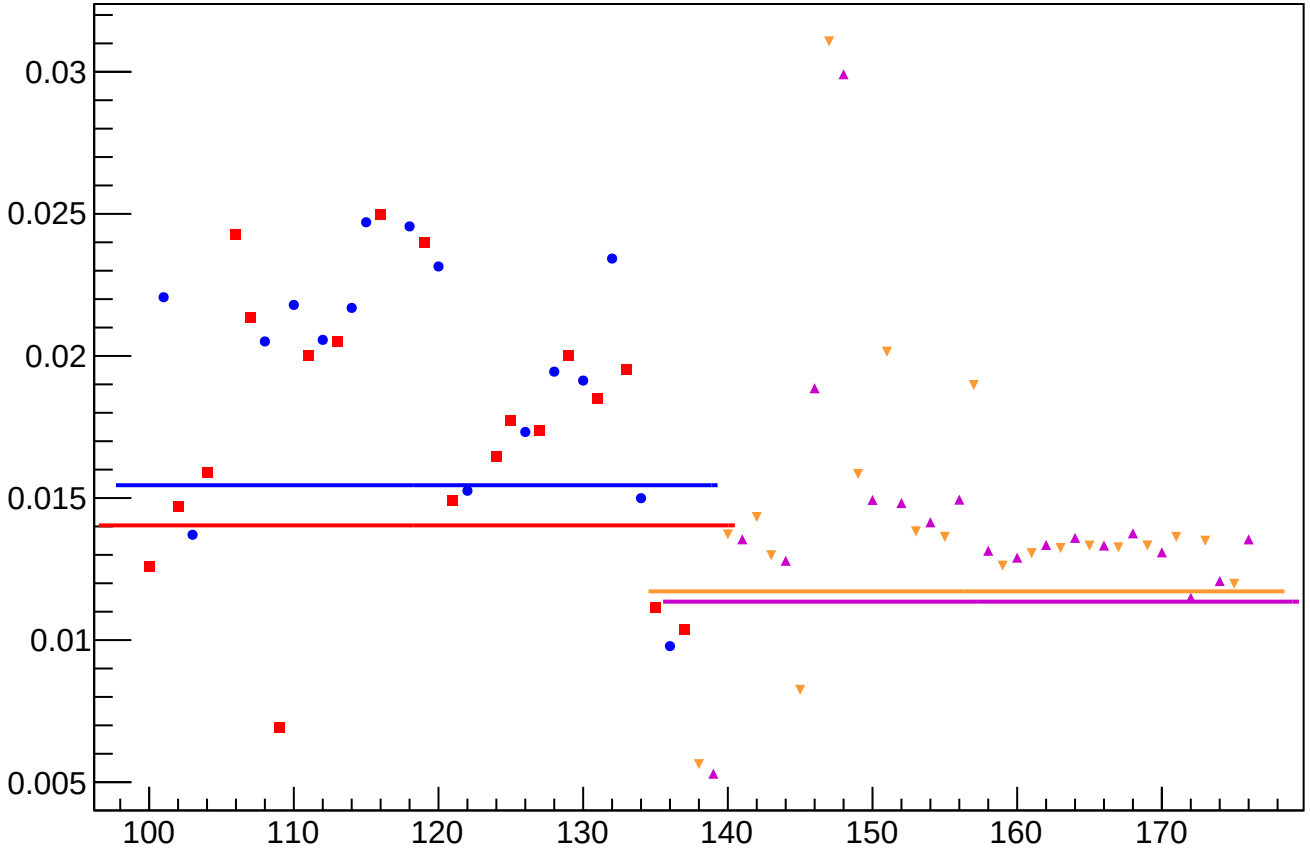
Left In: 0.363+/-0.000 χ^2/NDF:84691706488.2/18

+ sign 0.281+/-0.000 χ^2/NDF: 112666705317.6/35

All: 0.292+/-0.000 χ^2/NDF: 216813744743.5

- sign 0.302+/-0.000 χ^2/NDF: 104118780811.2/37

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3199834.3/19

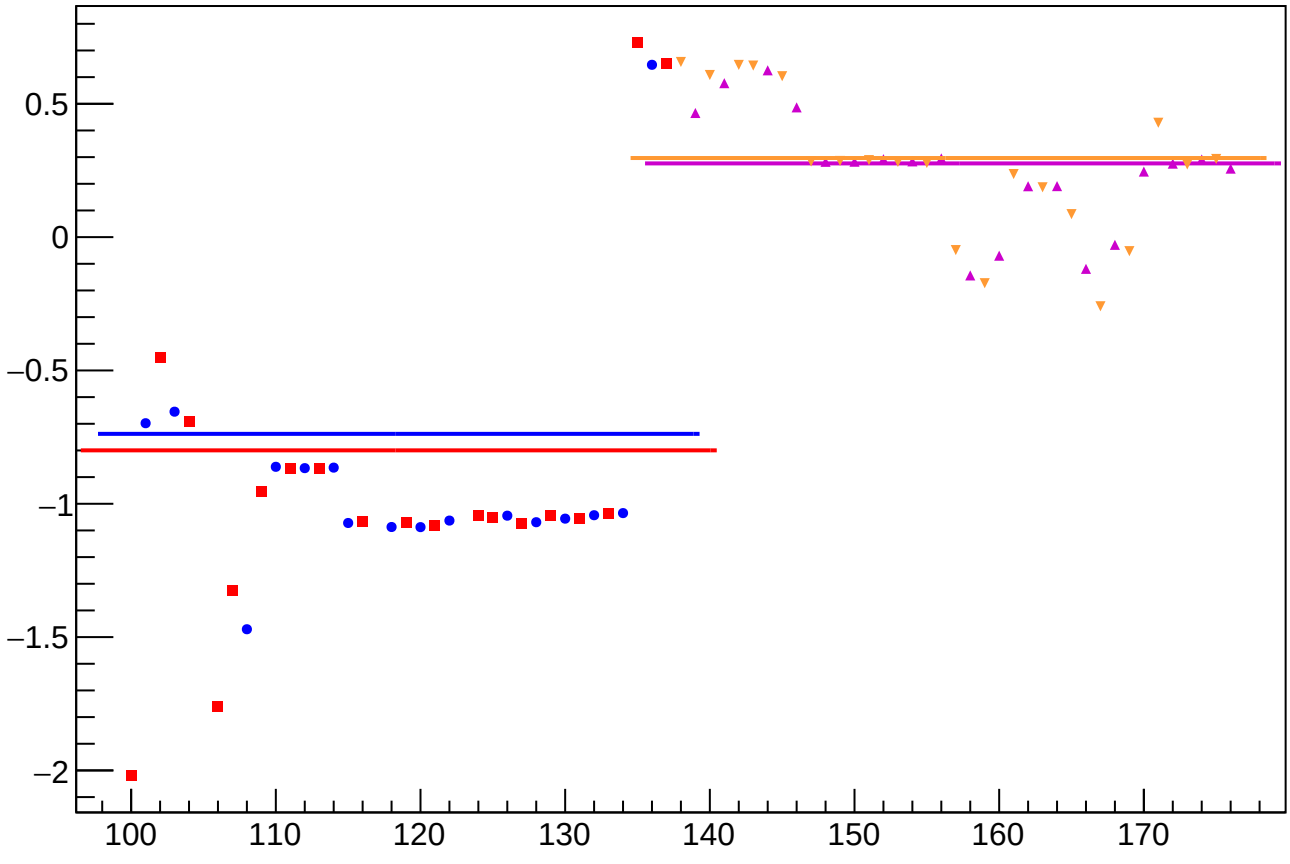
Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3609821.2/18

+ sign 0.012+/-0.000 χ^2/NDF: 5051830.4/35

All: 0.012+/-0.000 χ^2/NDF: 10713273.6/73

- sign 0.012+/-0.000 χ^2/NDF: 5627984.7/37



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.297+/-0.000 χ^2/NDF:747579528.0/19

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

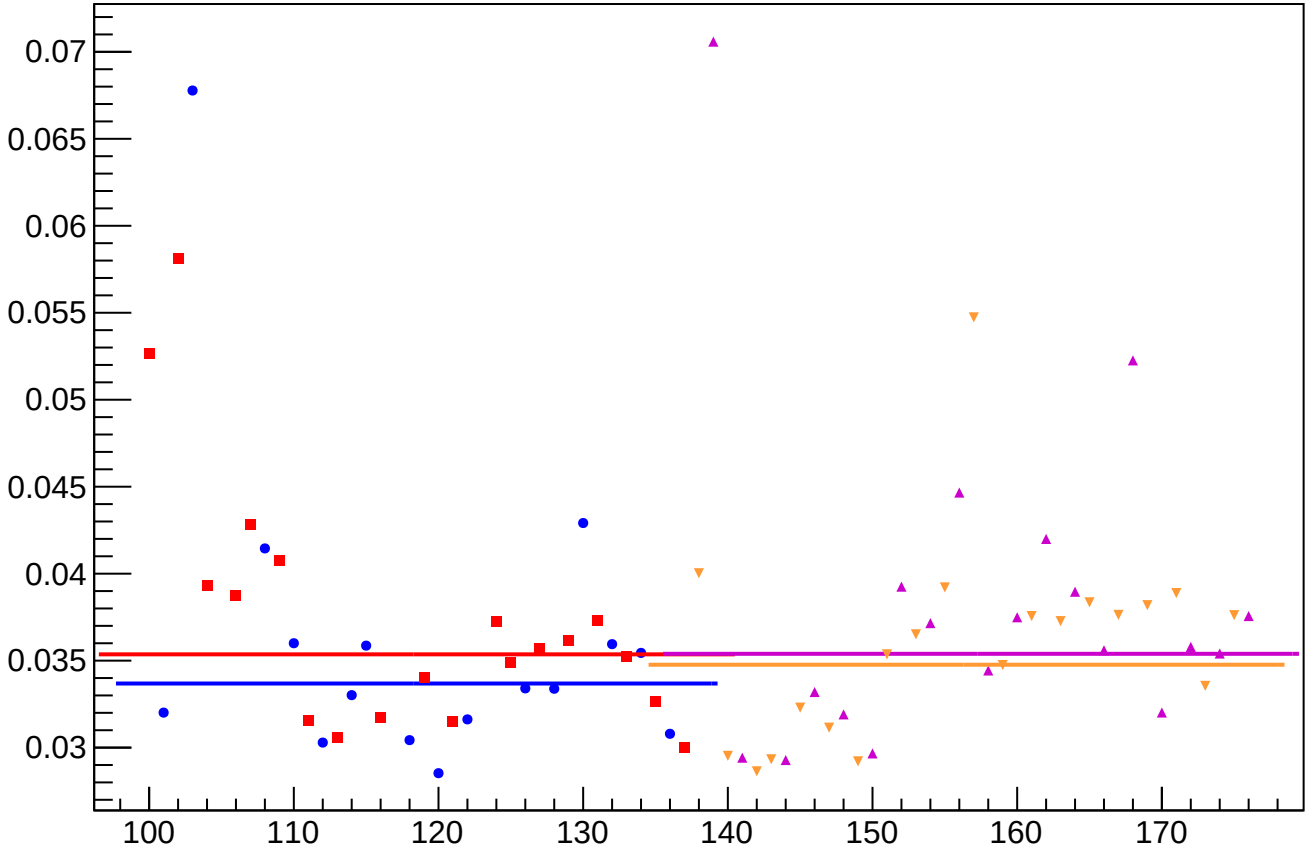
Left In: 0.276+/-0.000 χ^2/NDF:502071009.5/18

+ sign -0.044+/-0.000 χ^2/NDF: 6804964051.9/35

All: -0.058+/-0.000 χ^2/NDF: 13245932577.2/

- sign -0.072+/-0.000 χ^2/NDF: 6434634055.4/37

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:491362.1/19

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

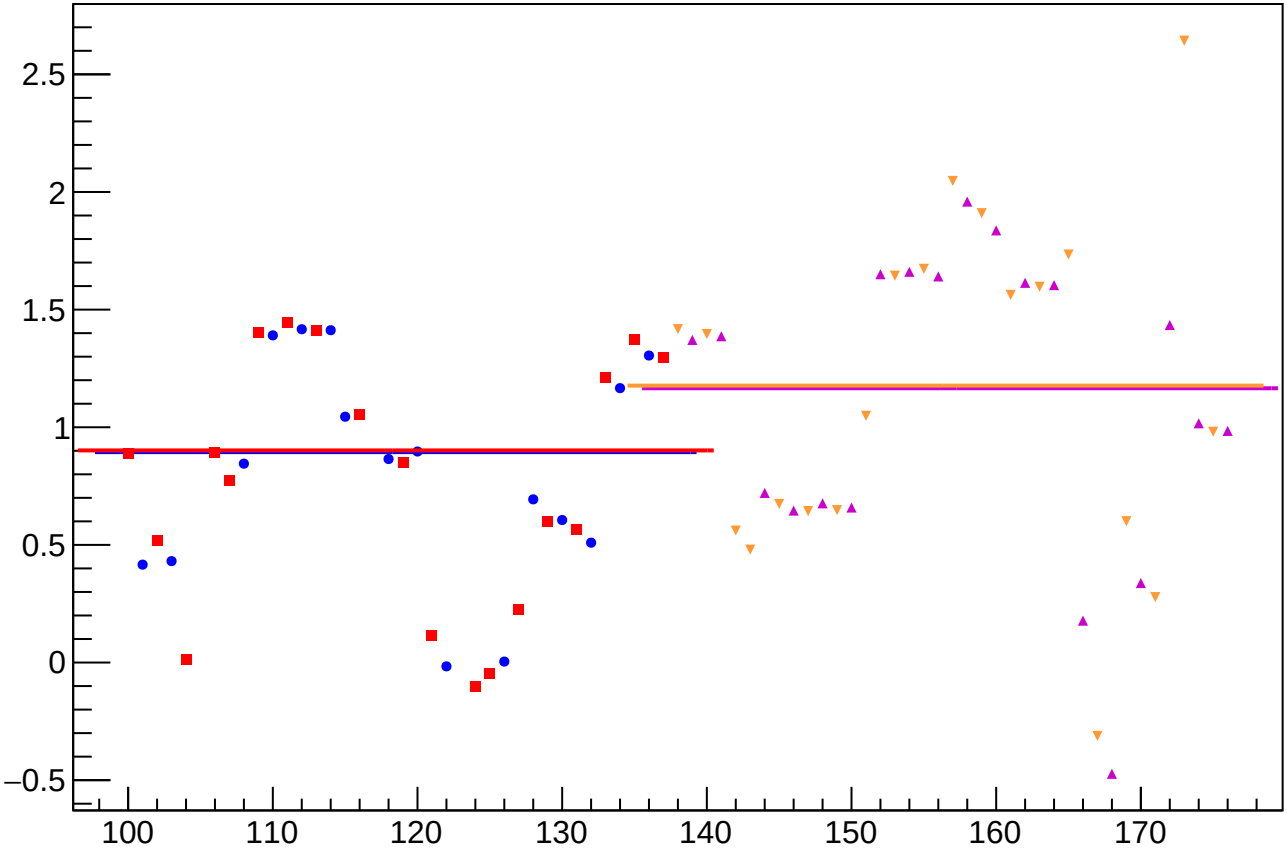
Left In: 0.035+/-0.000 χ^2/NDF:933481.3/18

+ sign 0.034+/-0.000 χ^2/NDF: 920270.6/35

All: 0.035+/-0.000 χ^2/NDF: 2165663.4/73

- sign 0.035+/-0.000 χ^2/NDF: 1229841.8/37

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.177+/-0.000 χ^2/NDF:85745409090.8/19

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

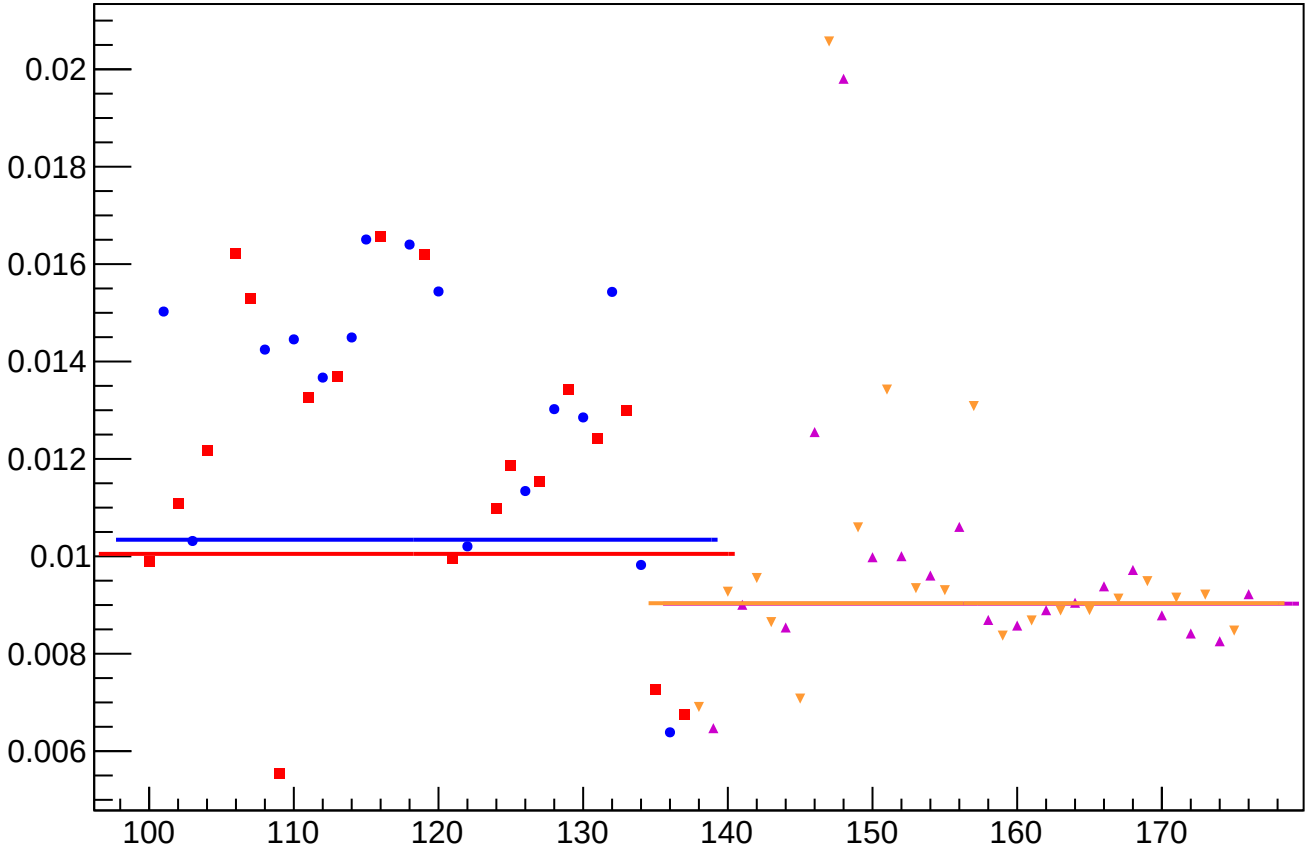
Left In: 1.166+/-0.000 χ^2/NDF:66341361608.1/18

+ sign 1.110+/-0.000 χ^2/NDF: 101893577842.4/35

All: 1.104+/-0.000 χ^2/NDF: 189275397203.4

- sign 1.098+/-0.000 χ^2/NDF: 87365857951.9/37

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:1135510.6/19

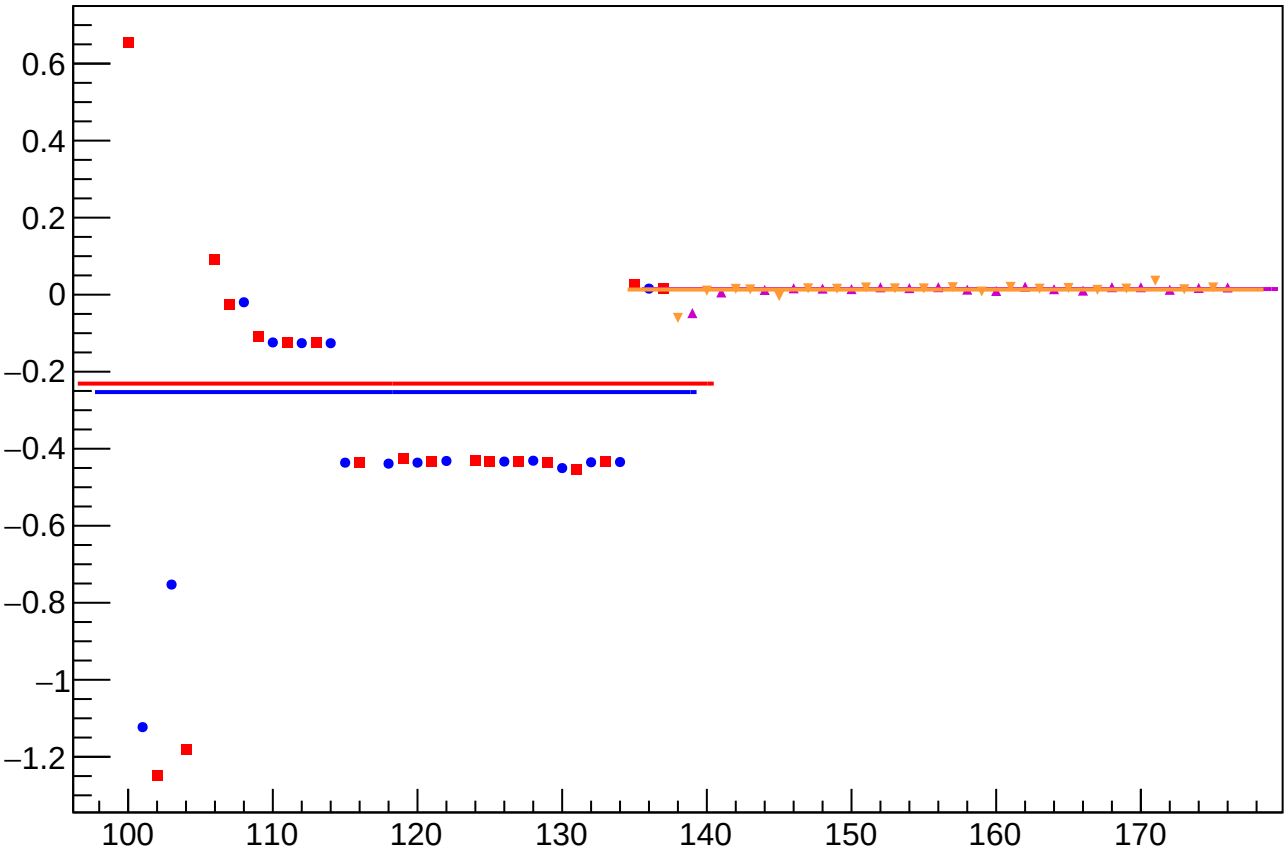
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:952822.8/18

+ sign 0.009+/-0.000 χ^2/NDF: 2630521.4/35

All: 0.009+/-0.000 χ^2/NDF: 5014761.4/73

- sign 0.009+/-0.000 χ^2/NDF: 2383461.0/37



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.013+/-0.000 χ^2/NDF:27593073.5/19

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

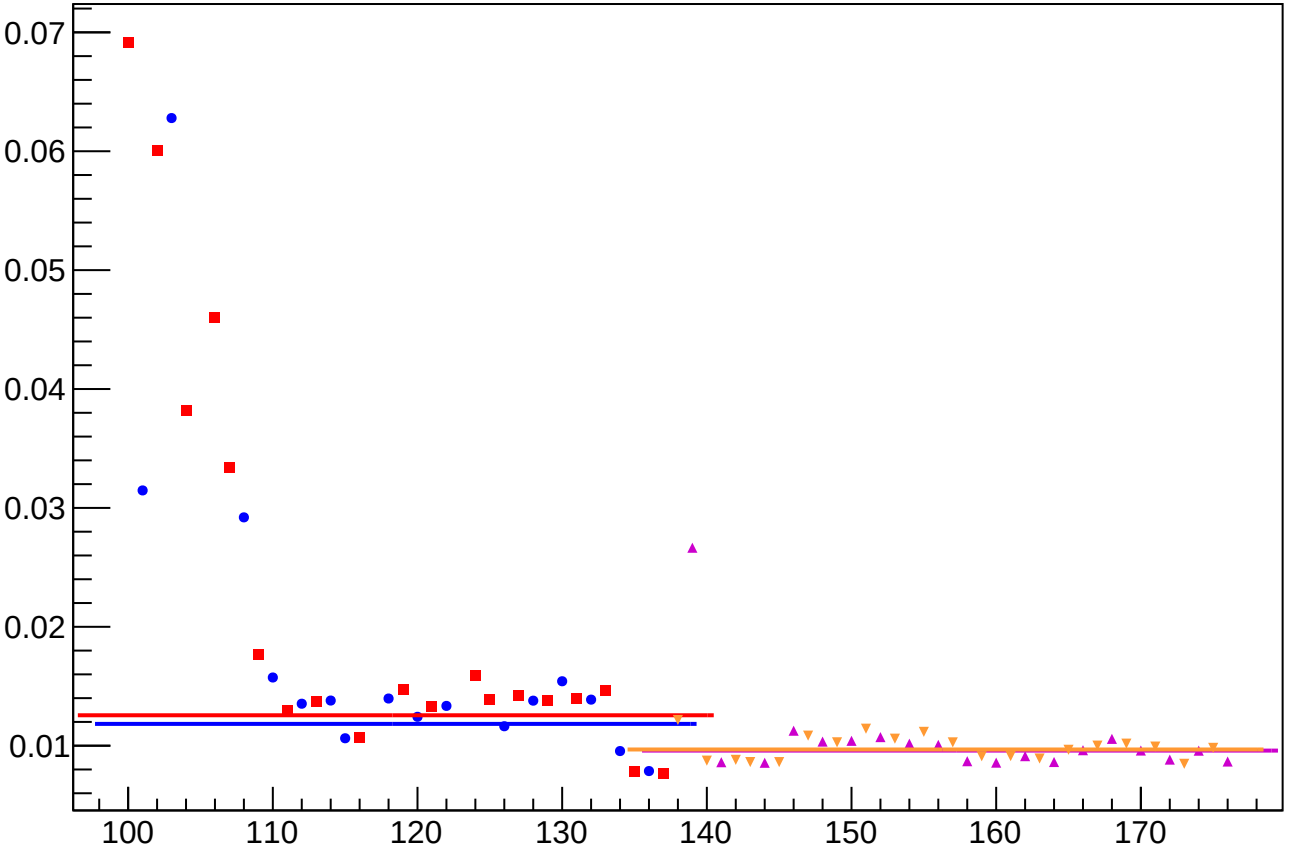
Left In: 0.015+/-0.000 χ^2/NDF:6951588.6/18

+ sign -0.040+/-0.000 χ^2/NDF: 4065140972.6/35

All: -0.036+/-0.000 χ^2/NDF: 7447854228.4/7

- sign -0.031+/-0.000 χ^2/NDF: 3375348193.9/37

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:254233.5/19

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

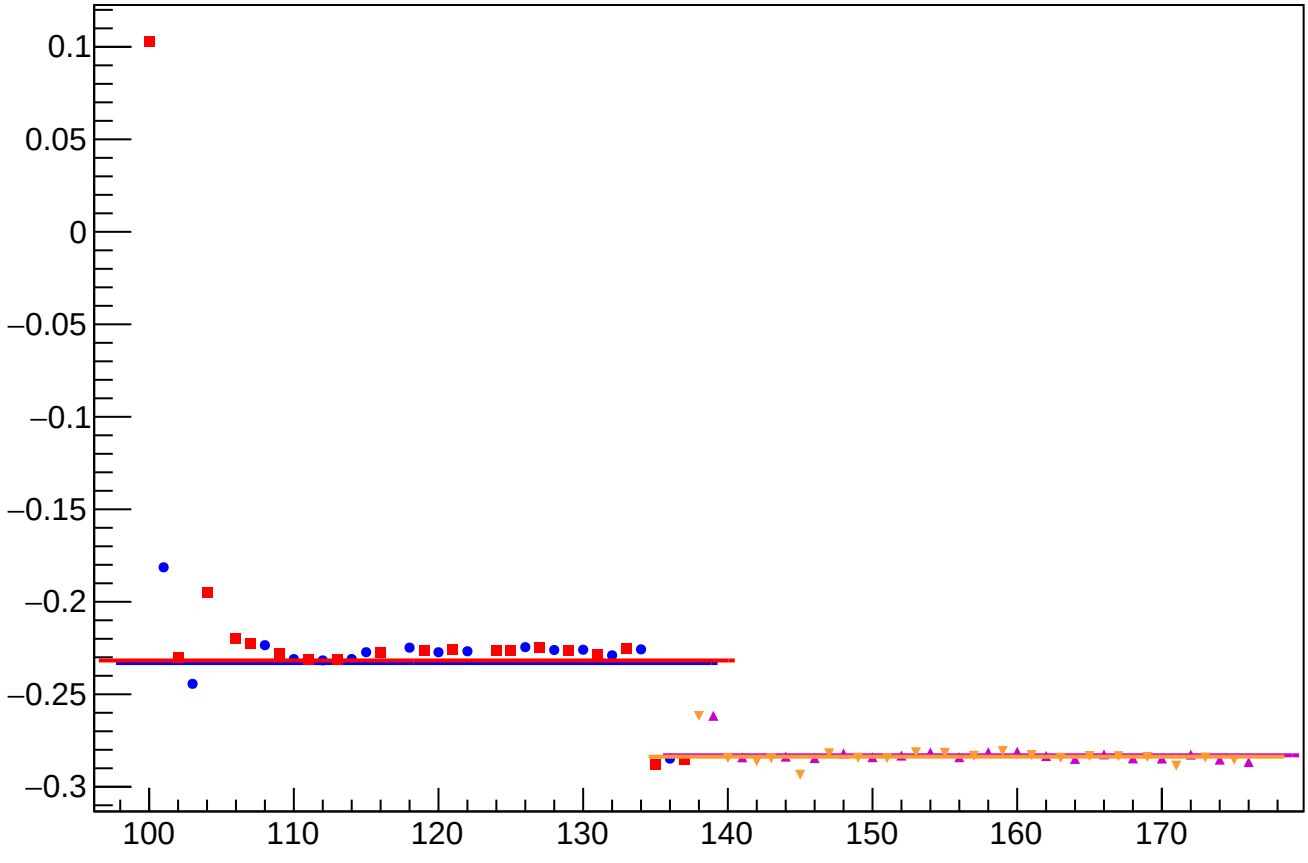
Left In: 0.010+/-0.000 χ^2/NDF:881814.1/18

+ sign 0.010+/-0.000 χ^2/NDF: 2459876.9/35

All: 0.010+/-0.000 χ^2/NDF: 6016113.8/73

- sign 0.010+/-0.000 χ^2/NDF: 3556123.9/37

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:15927172.1/19

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

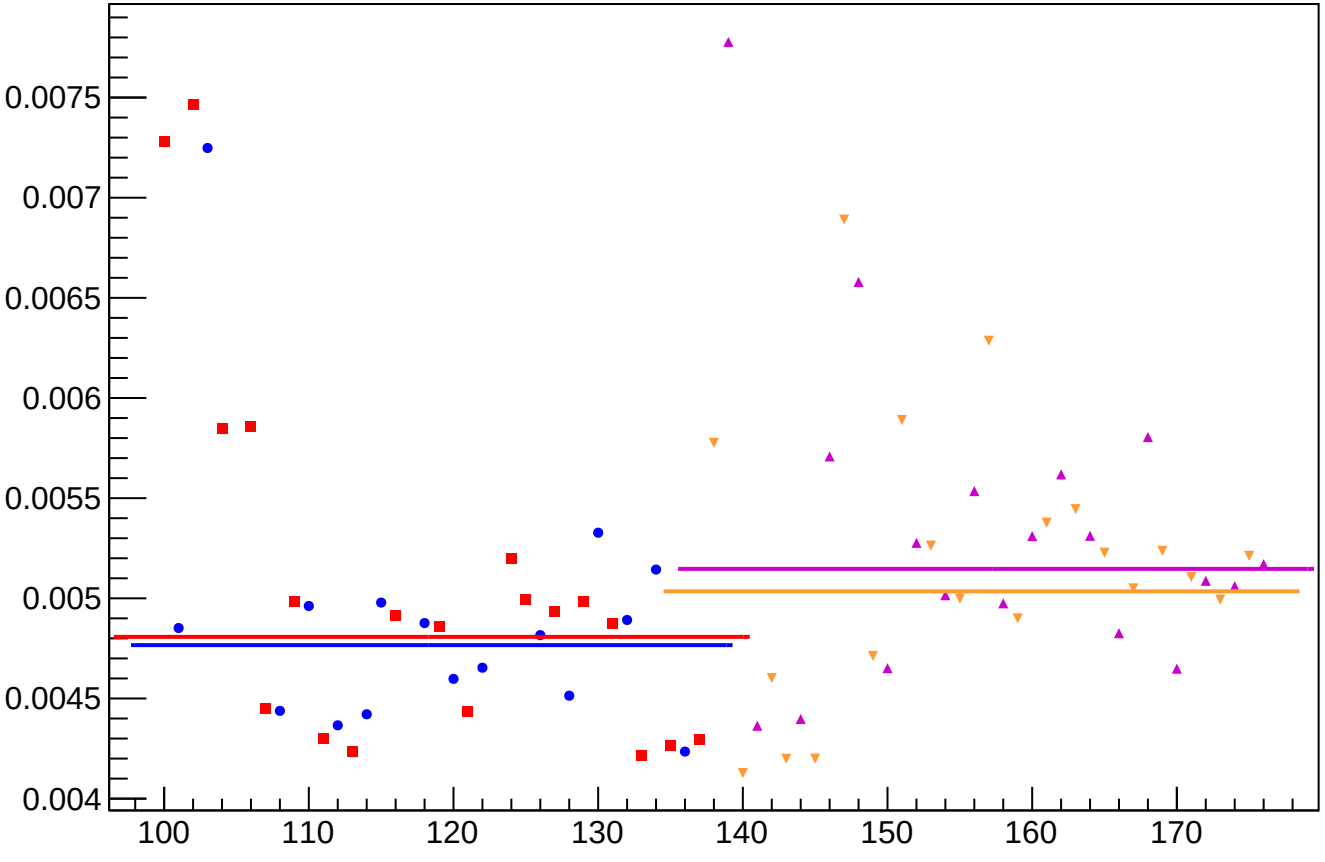
Left In: -0.283+/-0.000 χ^2/NDF:7299759.4/18

+ sign -0.267+/-0.000 χ^2/NDF: 703032676.8/35

All: -0.266+/-0.000 χ^2/NDF: 1497329193.8/7

- sign -0.265+/-0.000 χ^2/NDF: 792750628.5/37

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:458451.4/19

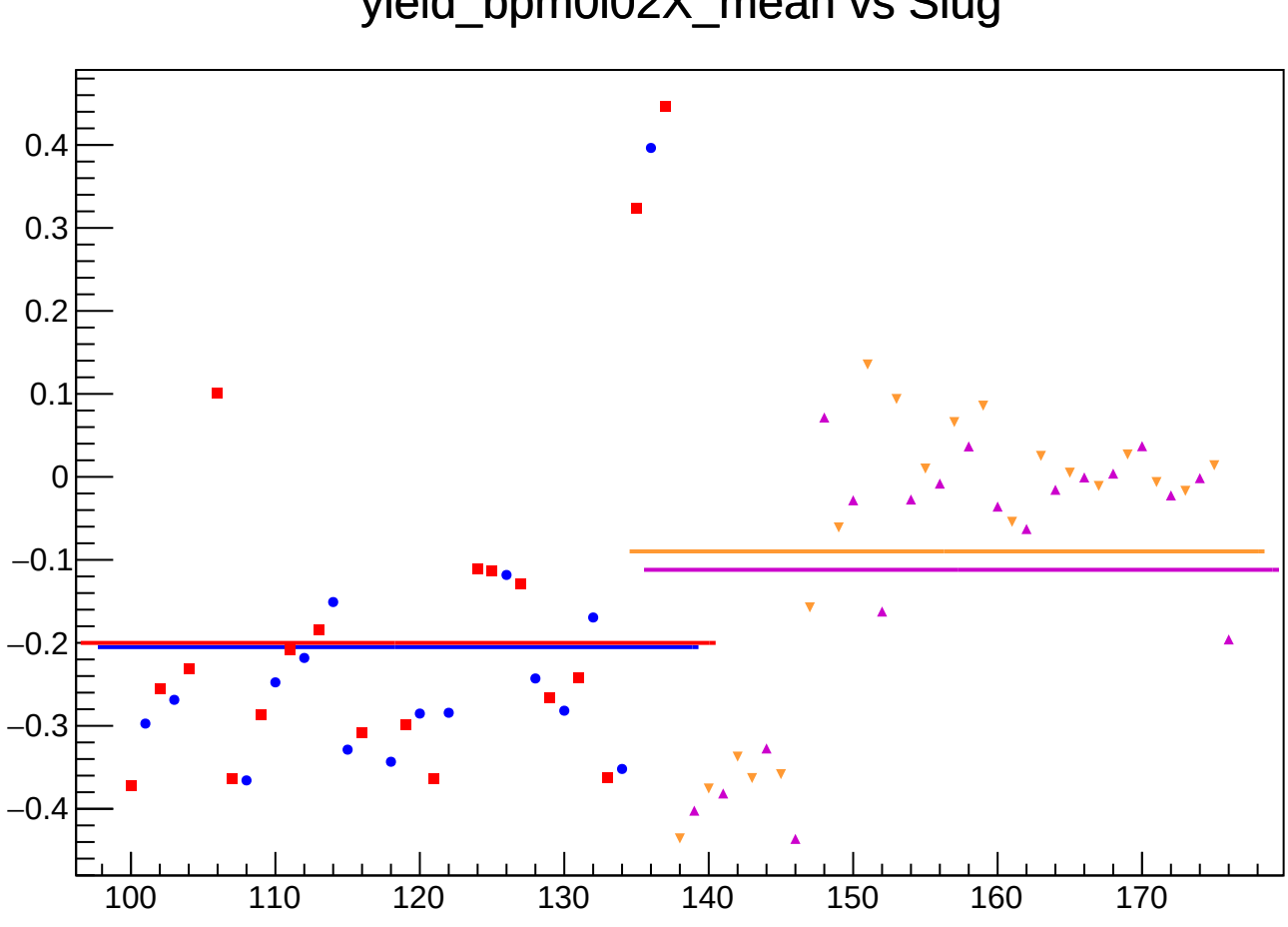
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:463866.6/18

+ sign 0.005+/-0.000 χ^2/NDF: 677710.6/35

All: 0.005+/-0.000 χ^2/NDF: 1484748.3/73

- sign 0.005+/-0.000 χ^2/NDF: 801256.3/37



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.090+/-0.000 χ^2/NDF:16460108817.9/19

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

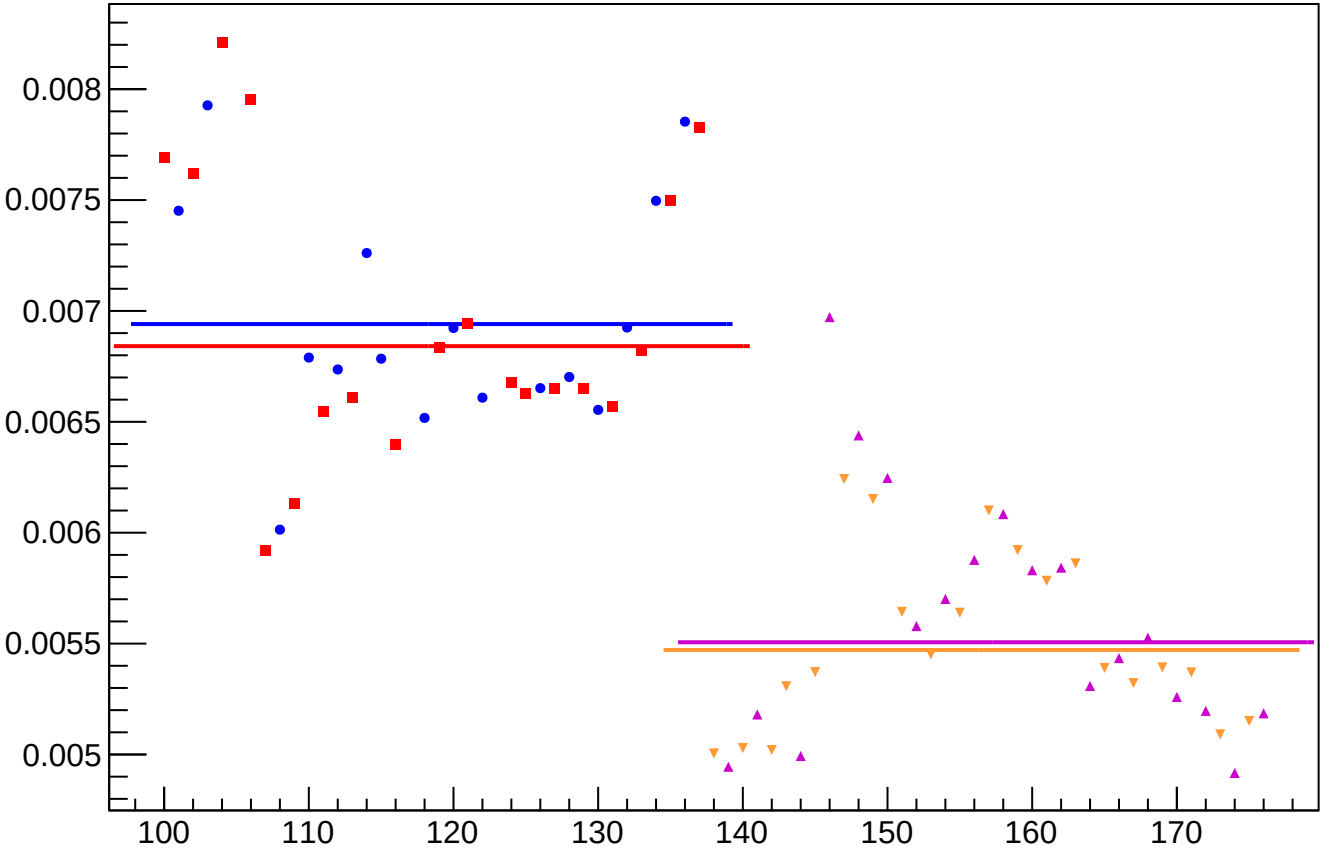
Left In: -0.112+/-0.000 χ^2/NDF:12457222365.2/18

+ sign -0.116+/-0.000 χ^2/NDF: 24152348582.0/35

All: -0.125+/-0.000 χ^2/NDF: 42862561816.7/

- sign -0.133+/-0.000 χ^2/NDF: 18612050267.5/37

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:131995.6/19

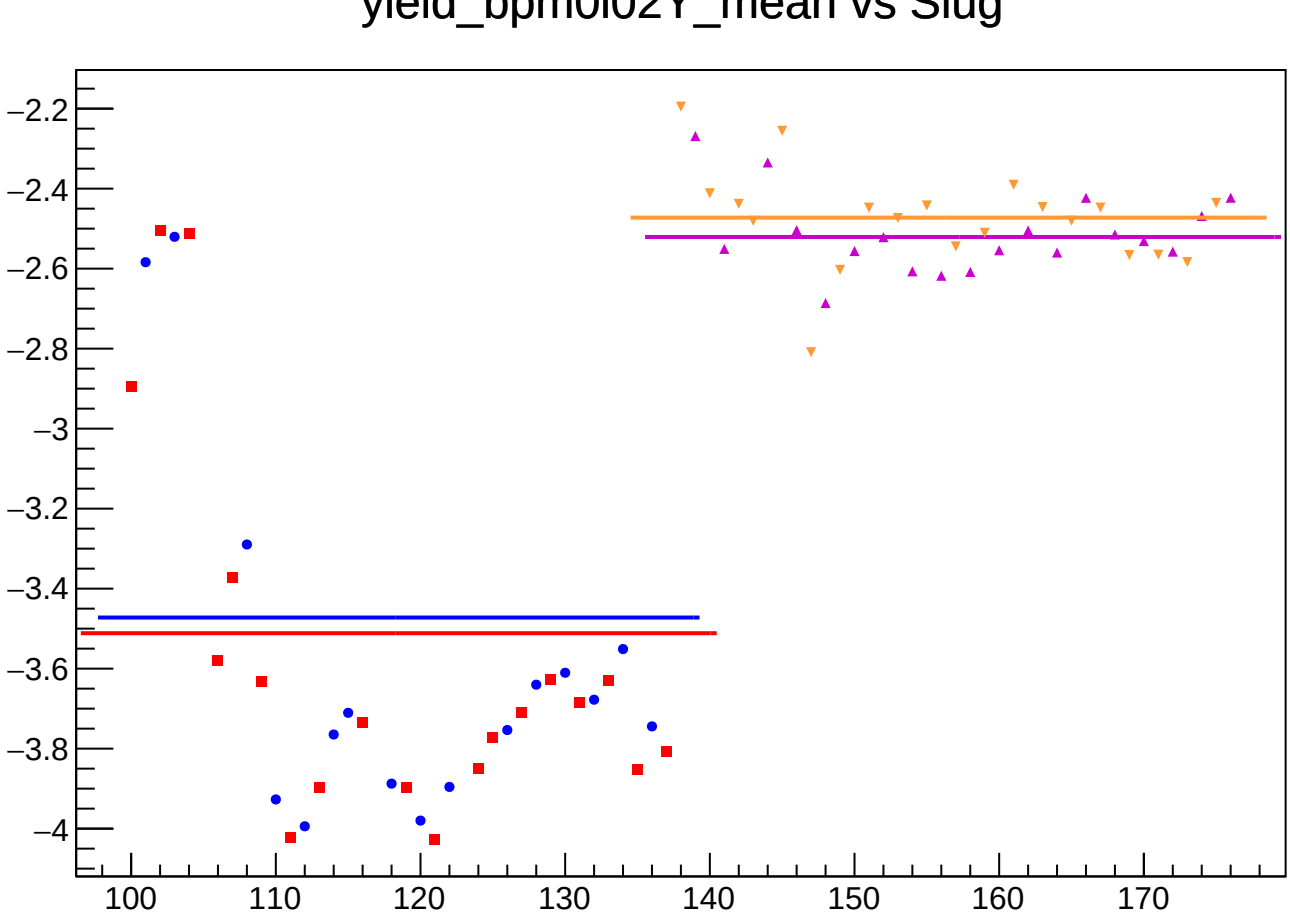
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:235204.1/18

+ sign 0.006+/-0.000 χ^2/NDF: 705146.7/35

All: 0.006+/-0.000 χ^2/NDF: 1456537.3/73

- sign 0.006+/-0.000 χ^2/NDF: 750924.3/37



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.472+/-0.000 χ^2/NDF:2057050600.8/19

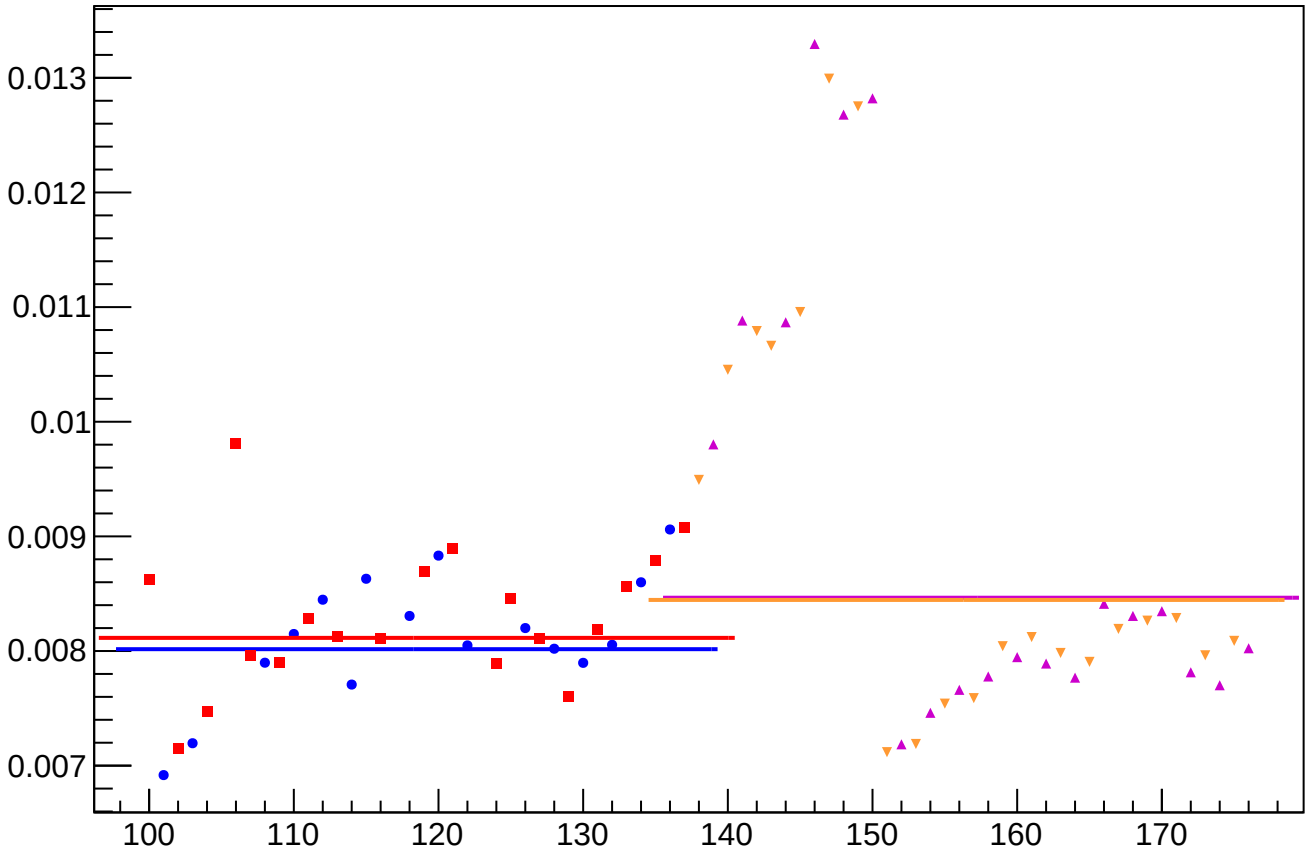
Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.521+/-0.000 χ^2/NDF:1556249932.7/18

+ sign -2.818+/-0.000 χ^2/NDF: 102729922443.9/35

All: -2.843+/-0.000 χ^2/NDF: 203234020853.8

- sign -2.868+/-0.000 χ^2/NDF: 100119498910.6/37



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:759006.1/19

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

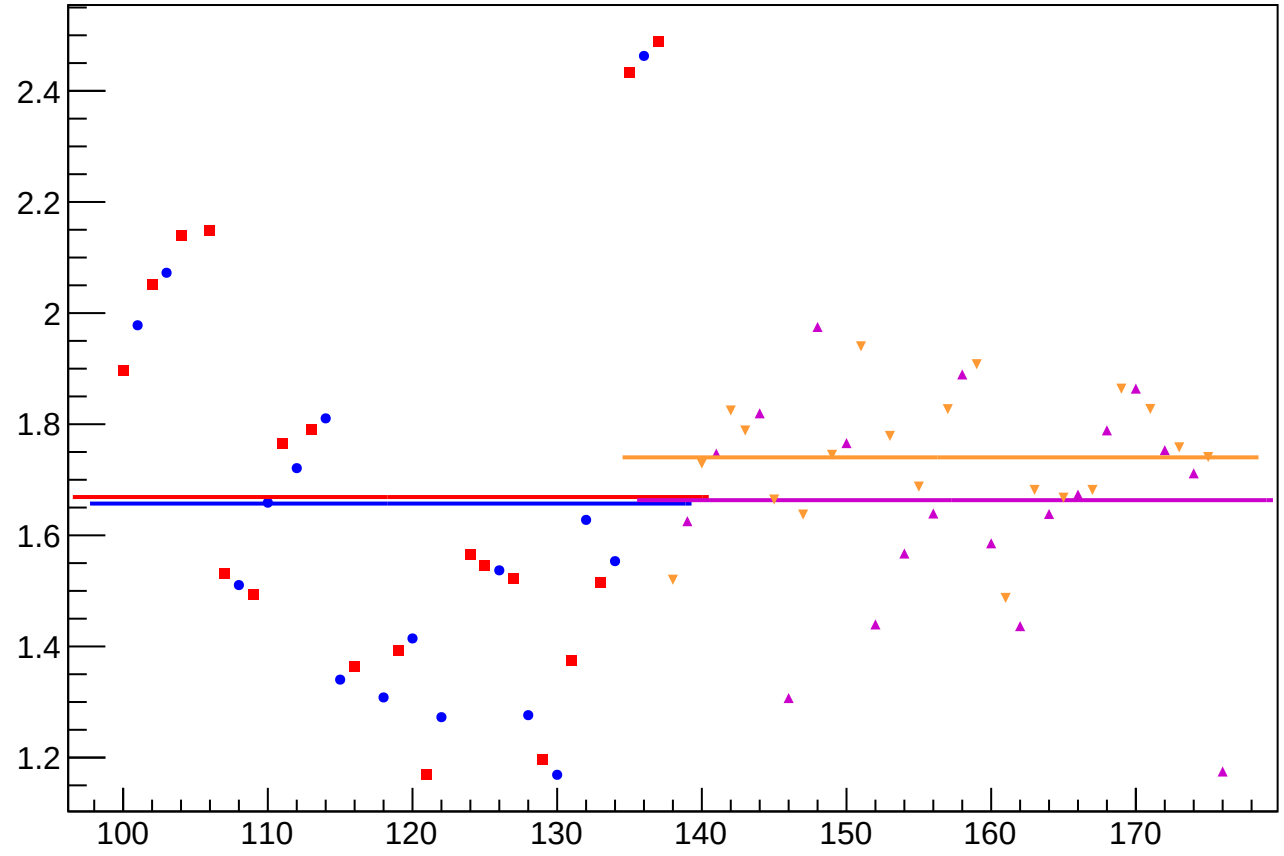
Left In: 0.008+/-0.000 χ^2/NDF:888595.0/18

+ sign 0.008+/-0.000 χ^2/NDF: 871482.1/35

All: 0.008+/-0.000 χ^2/NDF: 1848992.8/73

- sign 0.008+/-0.000 χ^2/NDF: 976877.3/37

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.740+/-0.000 χ^2/NDF:1515606439.2/19

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

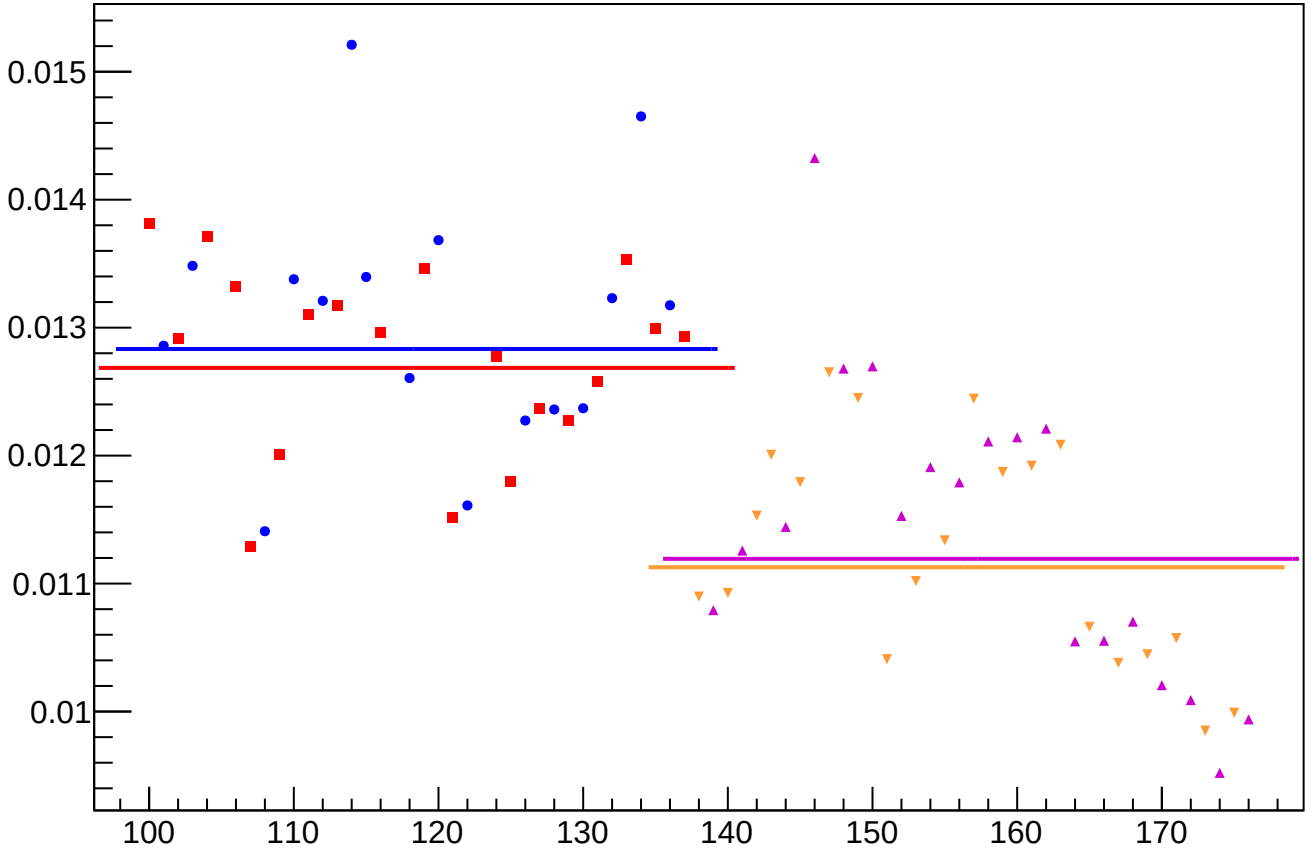
Left In: 1.663+/-0.000 χ^2/NDF:4243357793.0/18

+ sign 1.719+/-0.000 χ^2/NDF: 8400086260.3/35

All: 1.692+/-0.000 χ^2/NDF: 19238729175.4/7

- sign 1.665+/-0.000 χ^2/NDF: 10601981155.9/37

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:172465.3/19

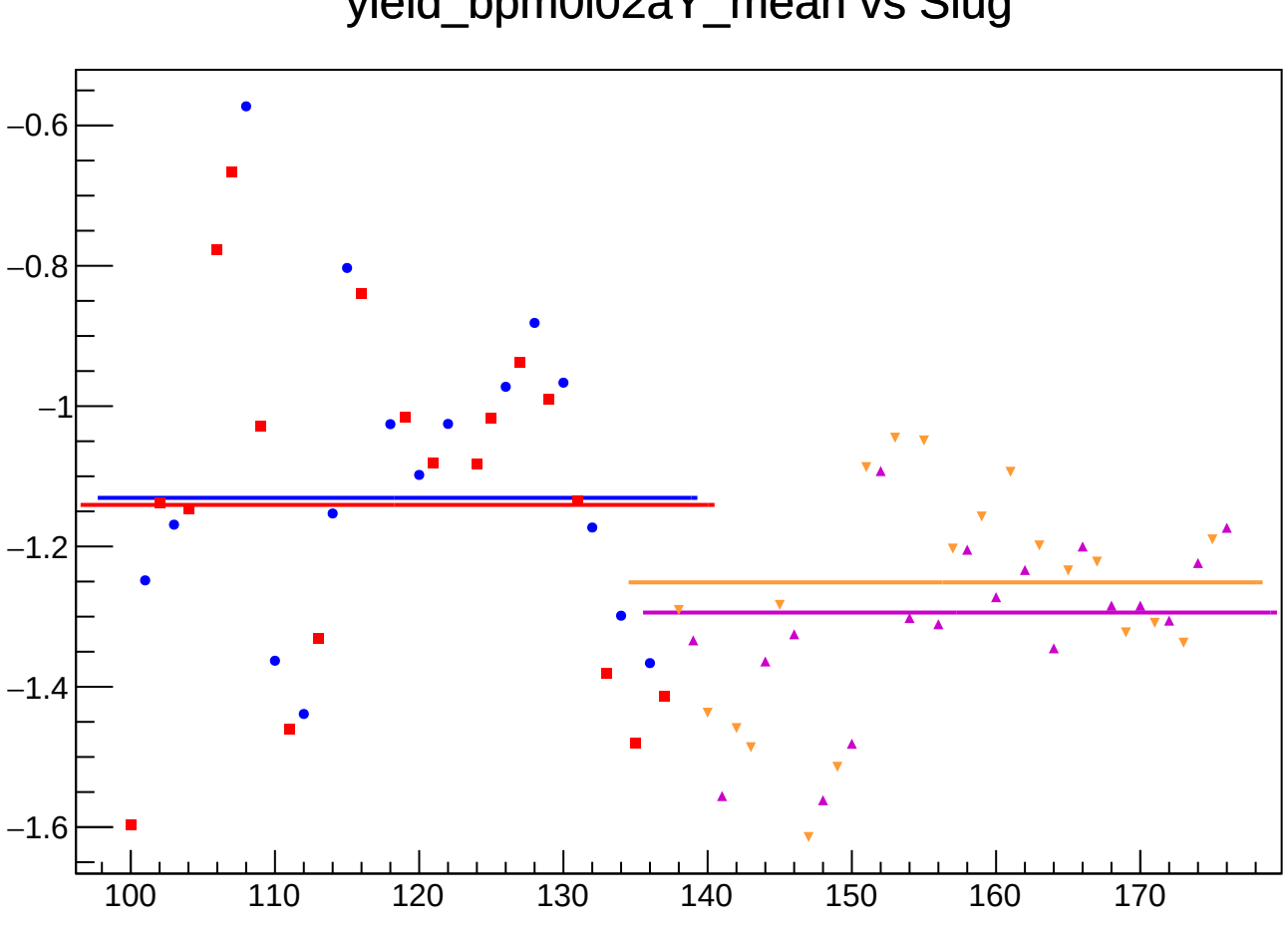
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:282364.3/18

\+ sign 0.012+/-0.000 χ^2/NDF: 408603.6/35

All: 0.012+/-0.000 χ^2/NDF: 878667.4/73

\- sign 0.012+/-0.000 χ^2/NDF: 469831.5/37



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.251+/-0.000 χ^2/NDF:4671708937.5/19

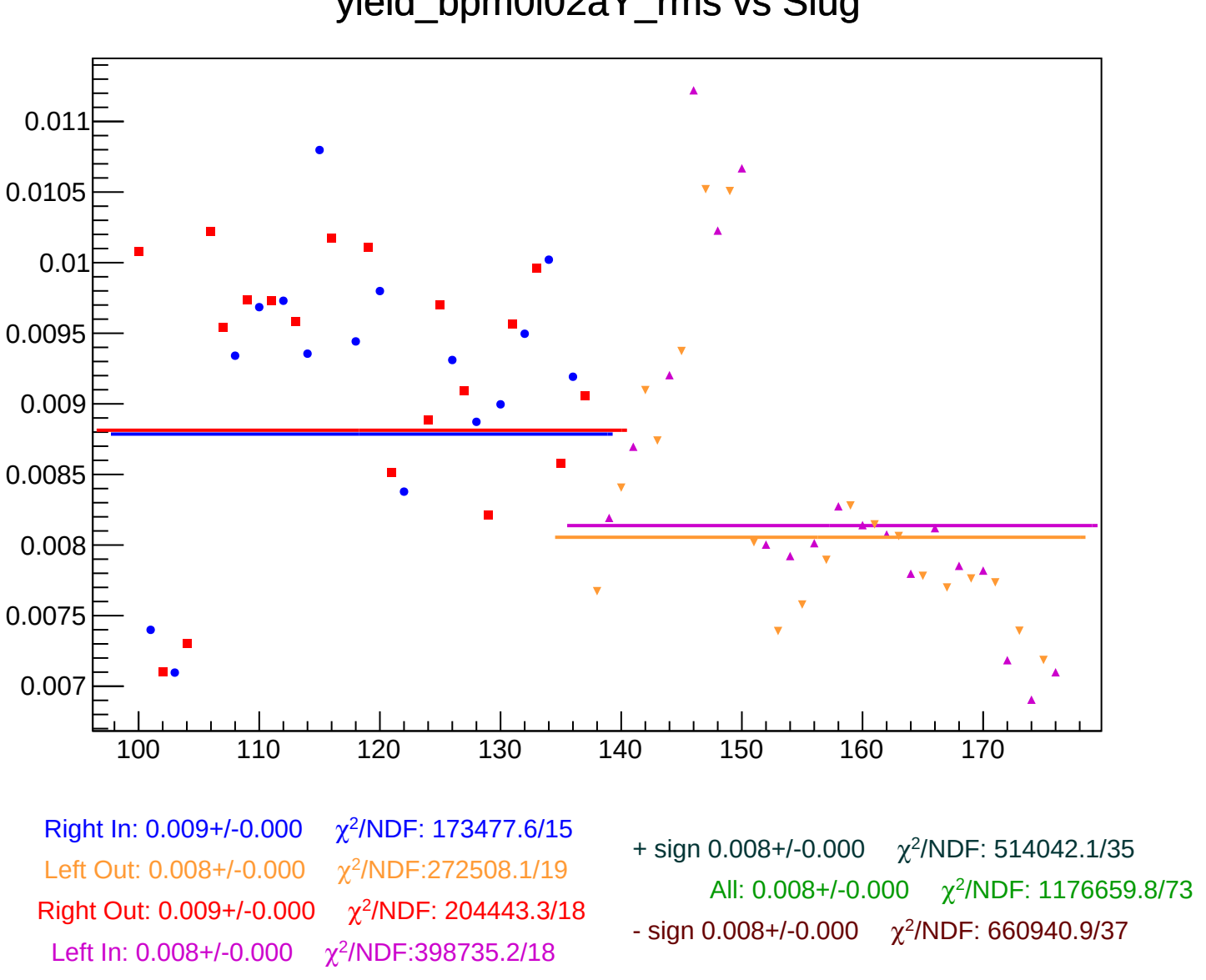
Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

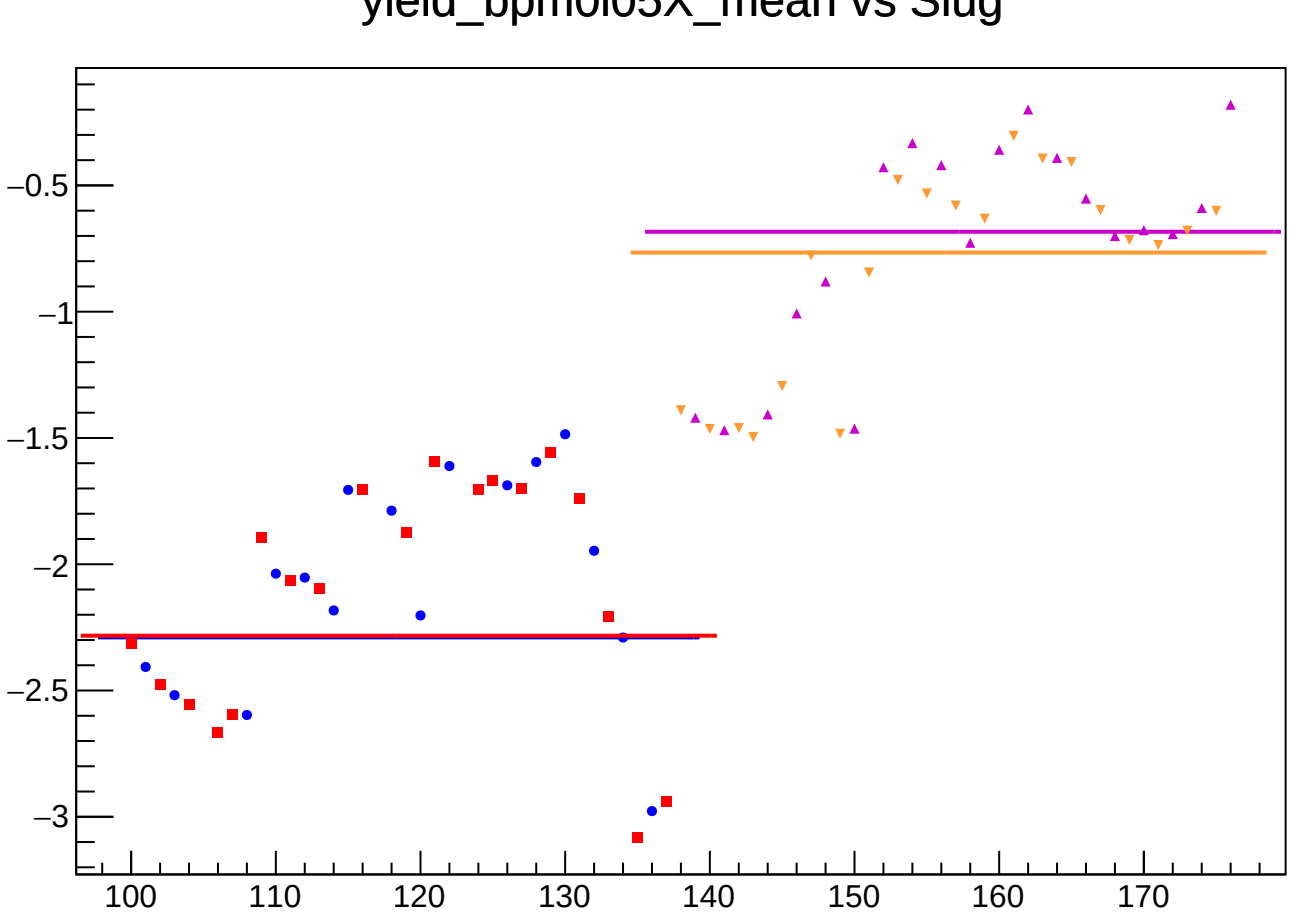
Left In: -1.294+/-0.000 χ^2/NDF:2596602138.1/18

+ sign -1.217+/-0.000 χ^2/NDF: 9386390198.2/35

All: -1.233+/-0.000 χ^2/NDF: 17179857779.2/

- sign -1.250+/-0.000 χ^2/NDF: 7631428136.9/37


yield_bpm0i02aY_rms vs Slug
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
100
110
120
130
140
150
160
170
Right In: 0.009+/-0.000 χ²/NDF: 173477.6/15
Left Out: 0.008+/-0.000 χ²/NDF:272508.1/19
Right Out: 0.009+/-0.000 χ²/NDF: 204443.3/18
Left In: 0.008+/-0.000 χ²/NDF:398735.2/18
+ sign 0.008+/-0.000 χ²/NDF: 514042.1/35
All: 0.008+/-0.000 χ²/NDF: 1176659.8/73
- sign 0.008+/-0.000 χ²/NDF: 660940.9/37



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.766+/-0.000 χ^2/NDF:33646550981.6/19

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

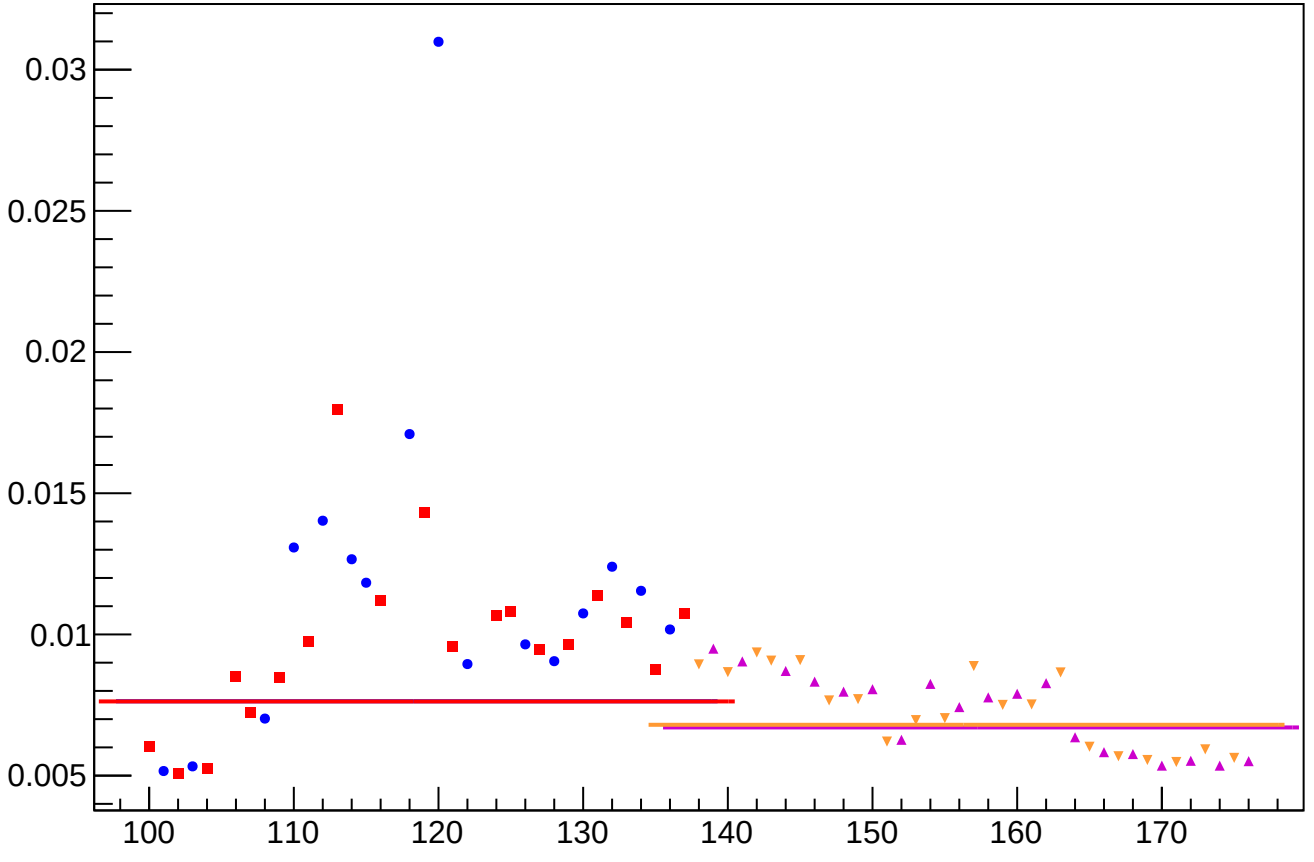
Left In: -0.684+/-0.000 χ^2/NDF:39068397731.3/18

+ sign -1.116+/-0.000 χ^2/NDF: 204873467479.9/35

All: -1.095+/-0.000 χ^2/NDF: 445550601721.

- sign -1.074+/-0.000 χ^2/NDF: 240332436026.0/37

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:945341.8/19

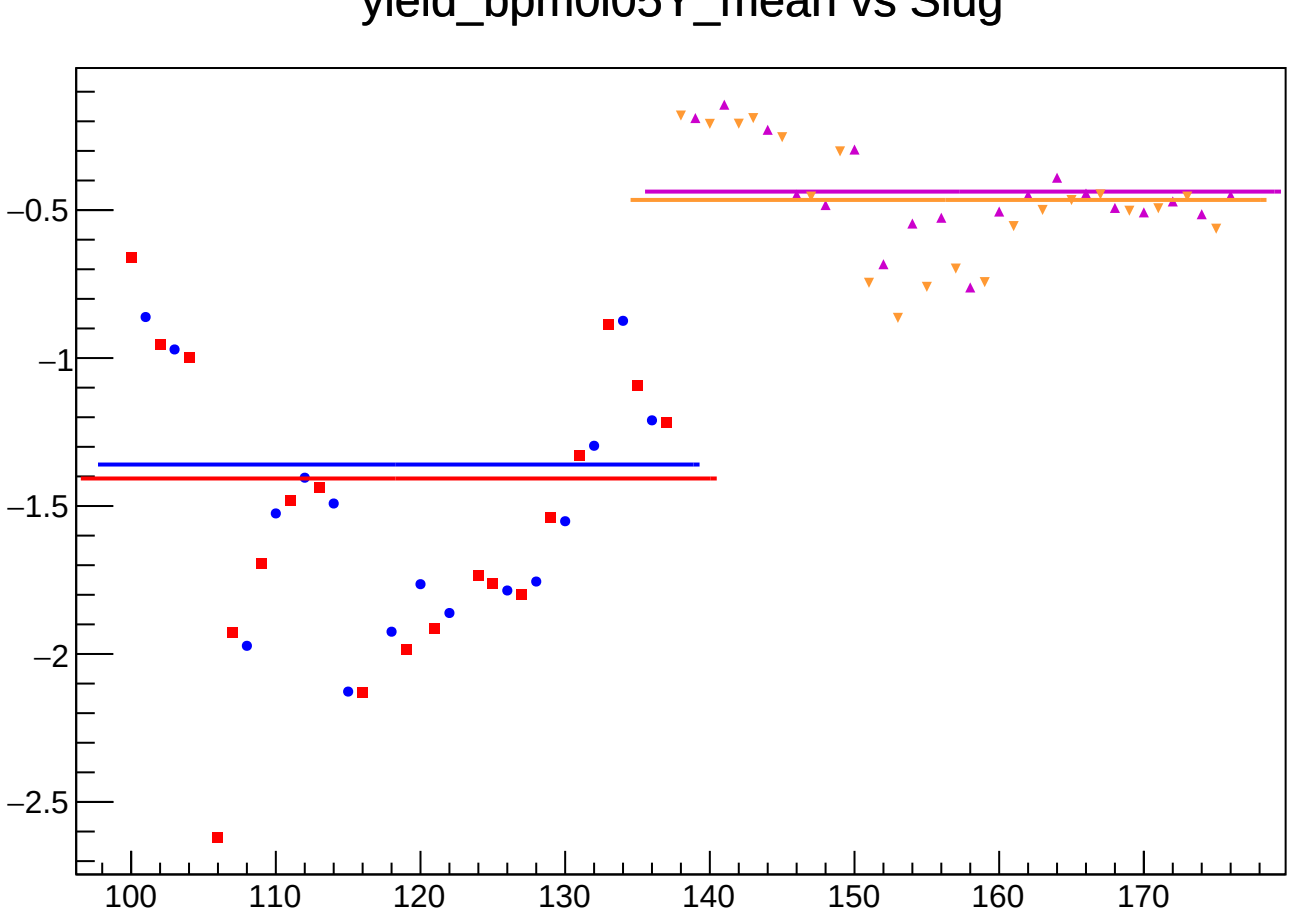
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1048282.6/18

+ sign 0.007+/-0.000 χ^2/NDF: 2749278.5/35

All: 0.007+/-0.000 χ^2/NDF: 5238957.6/73

- sign 0.007+/-0.000 χ^2/NDF: 2488268.0/37



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.466+/-0.000 χ^2/NDF:28429538114.7/19

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

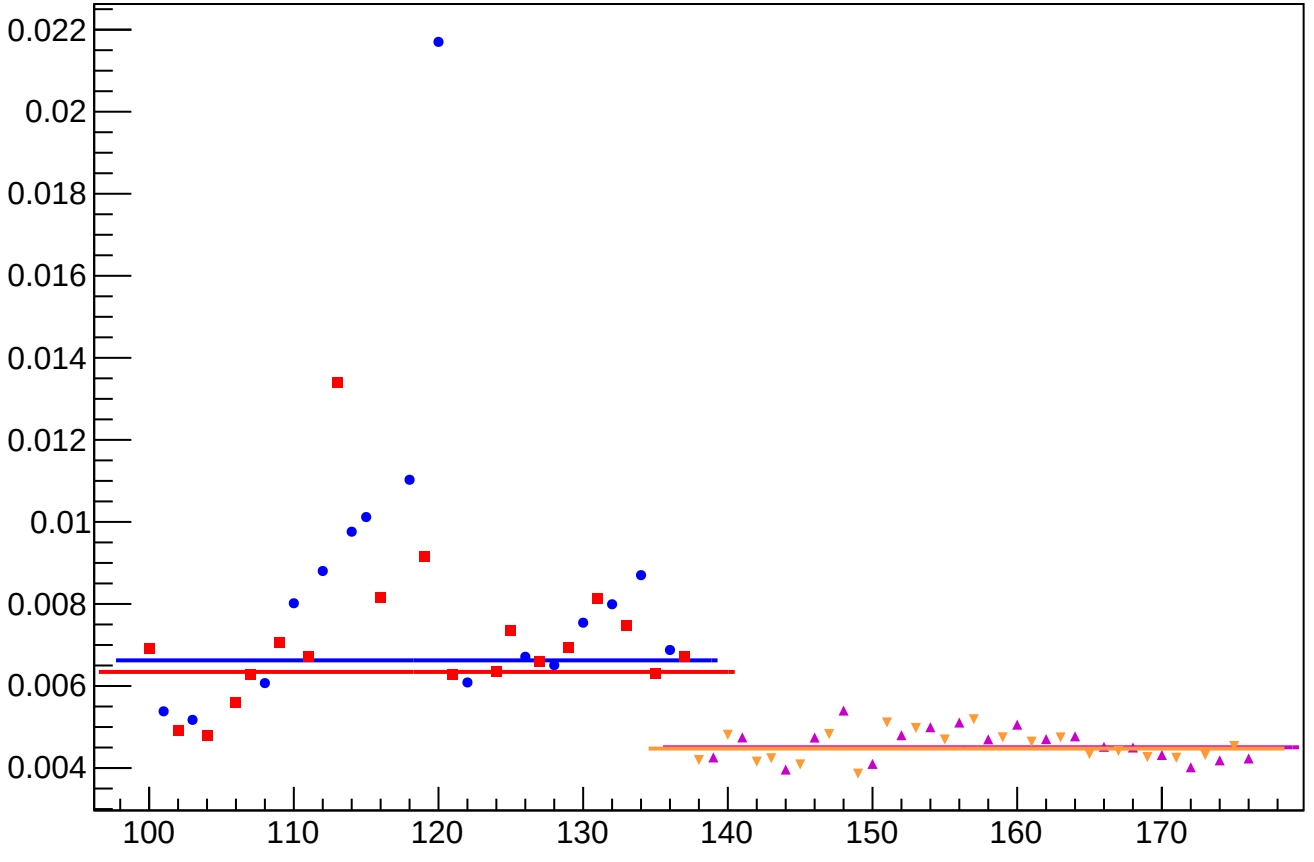
Left In: -0.437+/-0.000 χ^2/NDF:16427480937.0/18

+ sign -0.605+/-0.000 χ^2/NDF: 138973211854.7/35

All: -0.609+/-0.000 χ^2/NDF: 302421830469.9

- sign -0.612+/-0.000 χ^2/NDF: 163424595884.2/37

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:169977.9/19

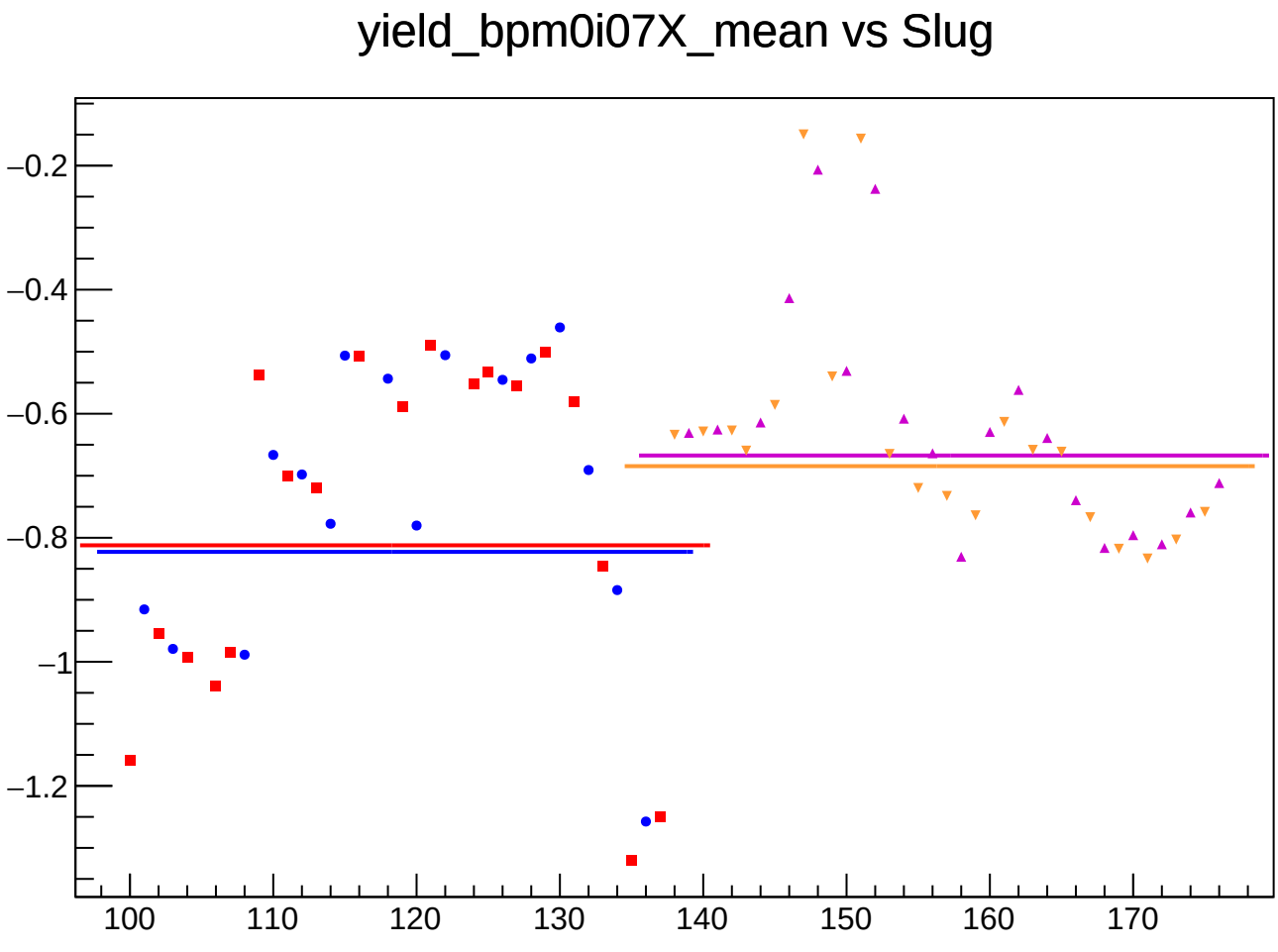
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:203281.8/18

+ sign 0.005+/-0.000 χ^2/NDF: 1893385.5/35

All: 0.005+/-0.000 χ^2/NDF: 3468798.2/73

- sign 0.005+/-0.000 χ^2/NDF: 1574781.8/37



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.685+/-0.000 χ^2/NDF:22307134846.8/19

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

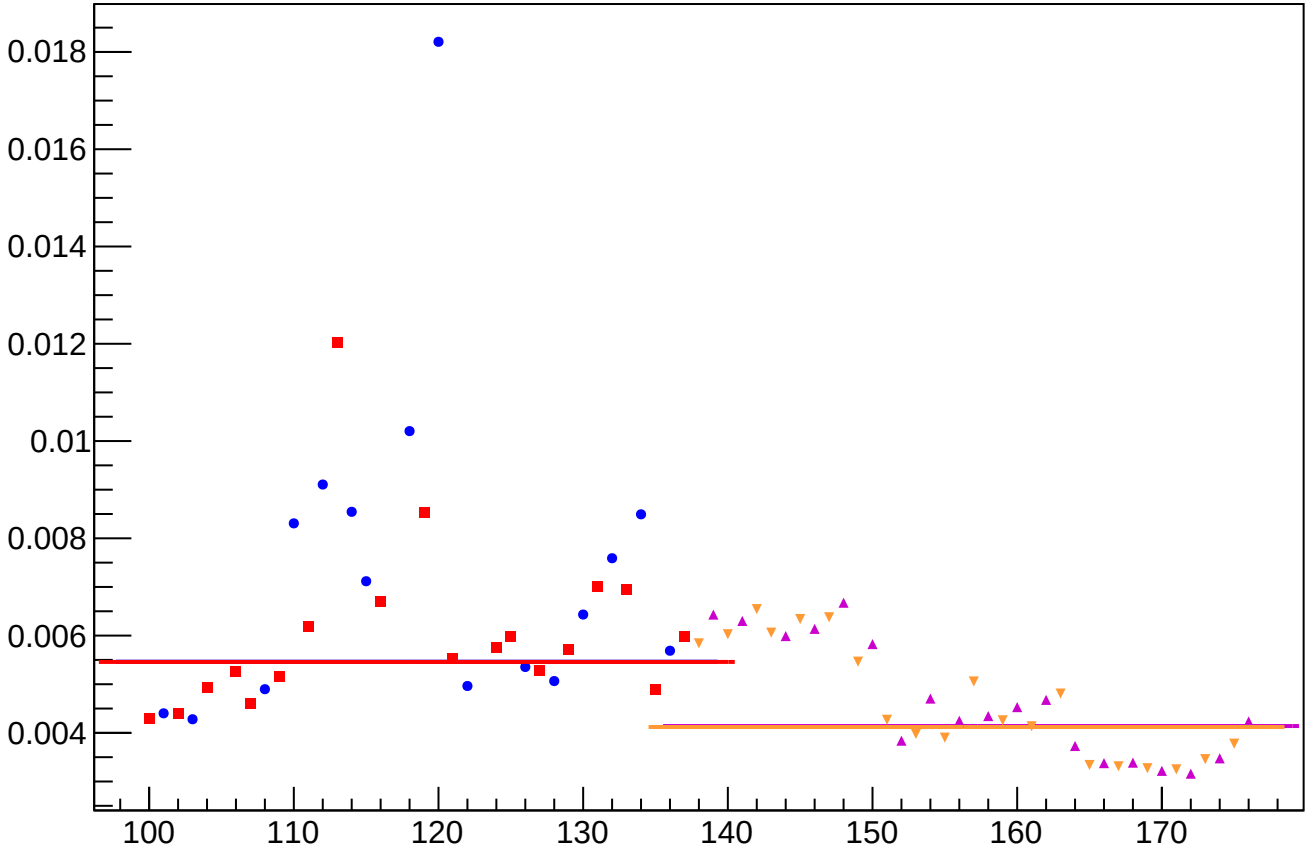
Left In: -0.667+/-0.000 χ^2/NDF:22453129268.5/18

+ sign -0.711+/-0.000 χ^2/NDF: 37391660326.2/35

All: -0.704+/-0.000 χ^2/NDF: 78107366264.4/

- sign -0.697+/-0.000 χ^2/NDF: 40629477359.9/37

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1486680.5/19

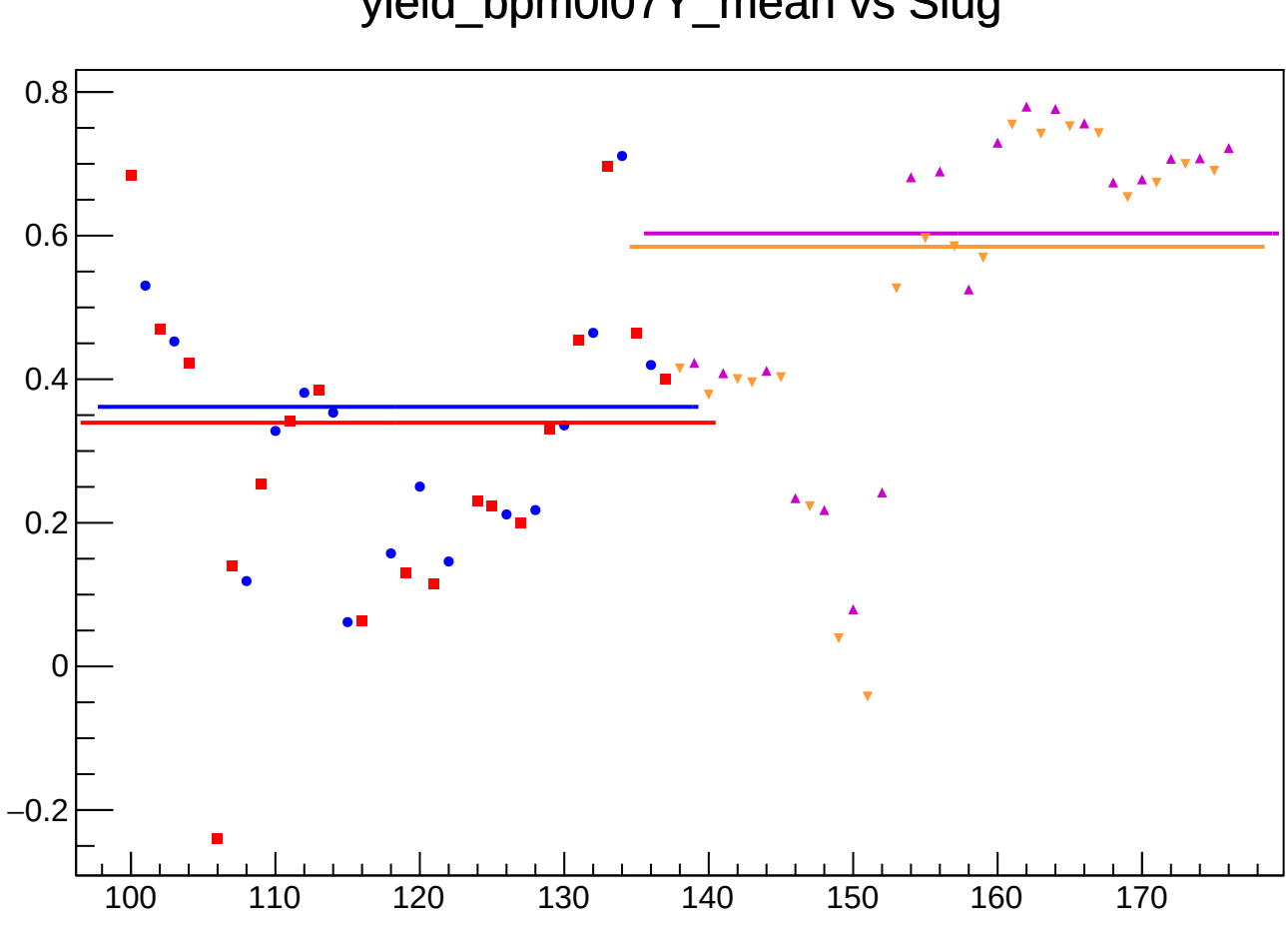
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1603403.6/18

+ sign 0.004+/-0.000 χ^2/NDF: 2987942.8/35

All: 0.004+/-0.000 χ^2/NDF: 5655712.9/73

- sign 0.004+/-0.000 χ^2/NDF: 2666276.0/37



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.585+/-0.000 χ^2/NDF:41468480343.9/19

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

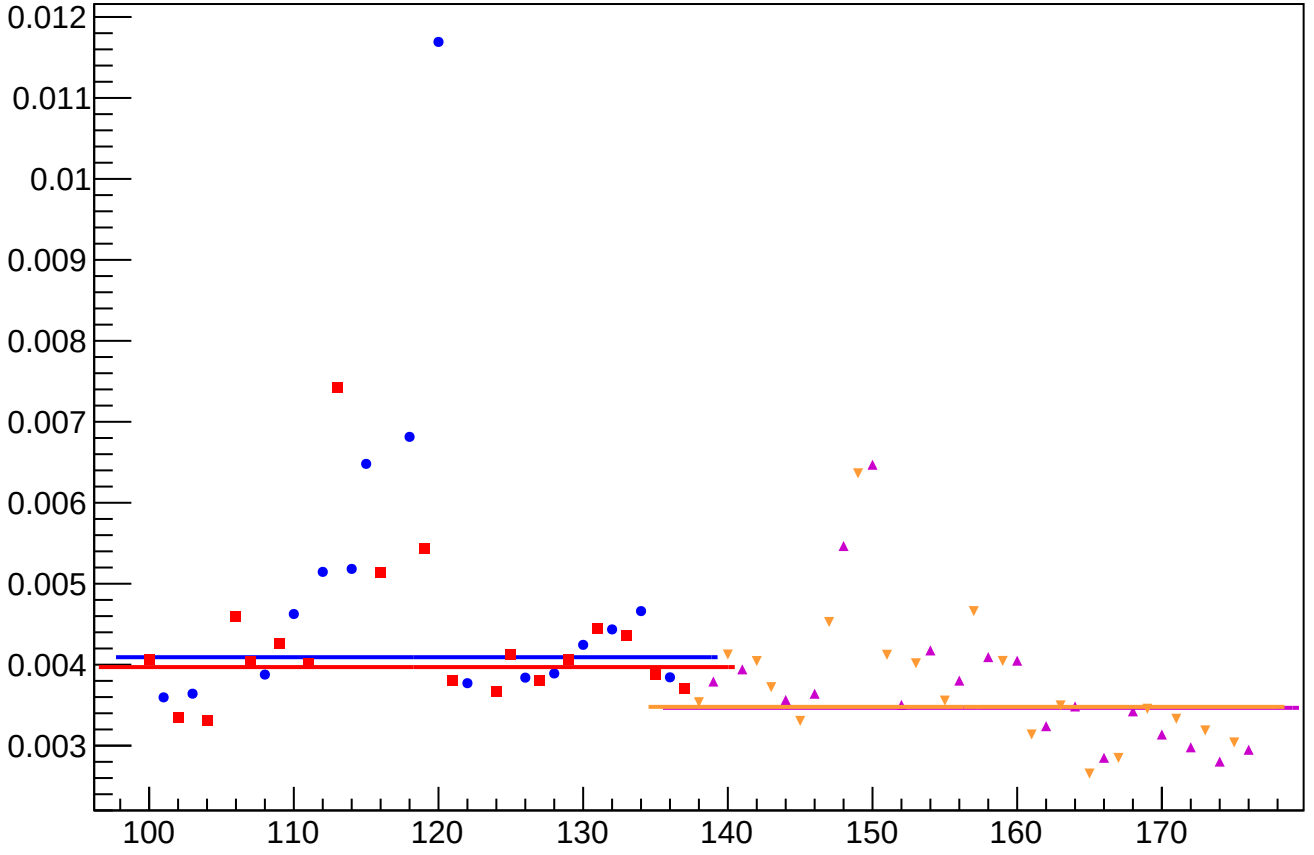
Left In: 0.603+/-0.000 χ^2/NDF:37462869083.0/18

+ sign 0.527+/-0.000 χ^2/NDF: 63775970107.3/35

All: 0.529+/-0.000 χ^2/NDF: 133694226566.0

- sign 0.530+/-0.000 χ^2/NDF: 69914902234.6/37

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:801423.7/19

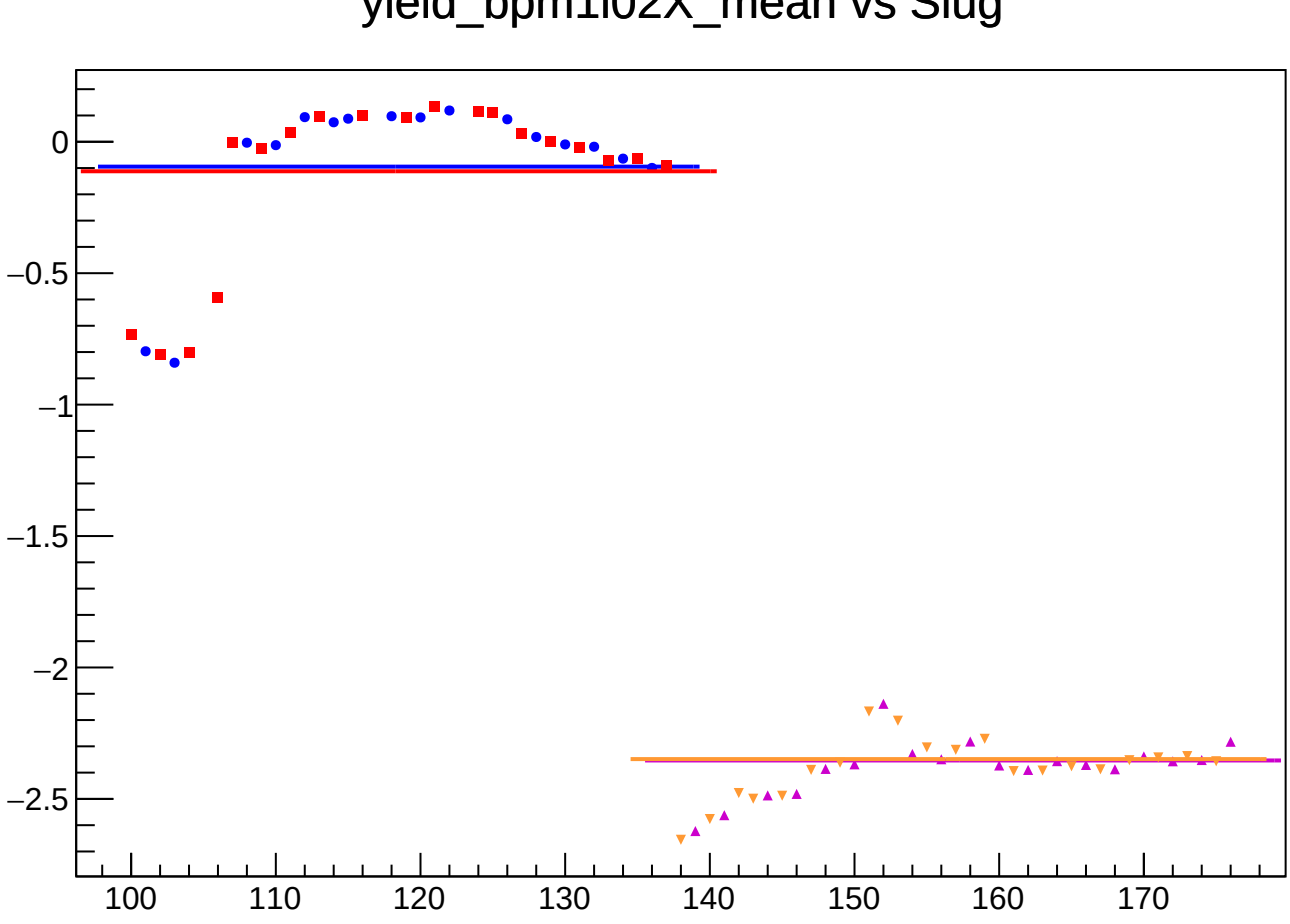
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.003+/-0.000 χ^2/NDF:862592.2/18

+ sign 0.004+/-0.000 χ^2/NDF: 1497983.6/35

All: 0.004+/-0.000 χ^2/NDF: 2824088.6/73

- sign 0.004+/-0.000 χ^2/NDF: 1324908.8/37



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.349+/-0.000 χ^2/NDF:1675016269.0/19

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

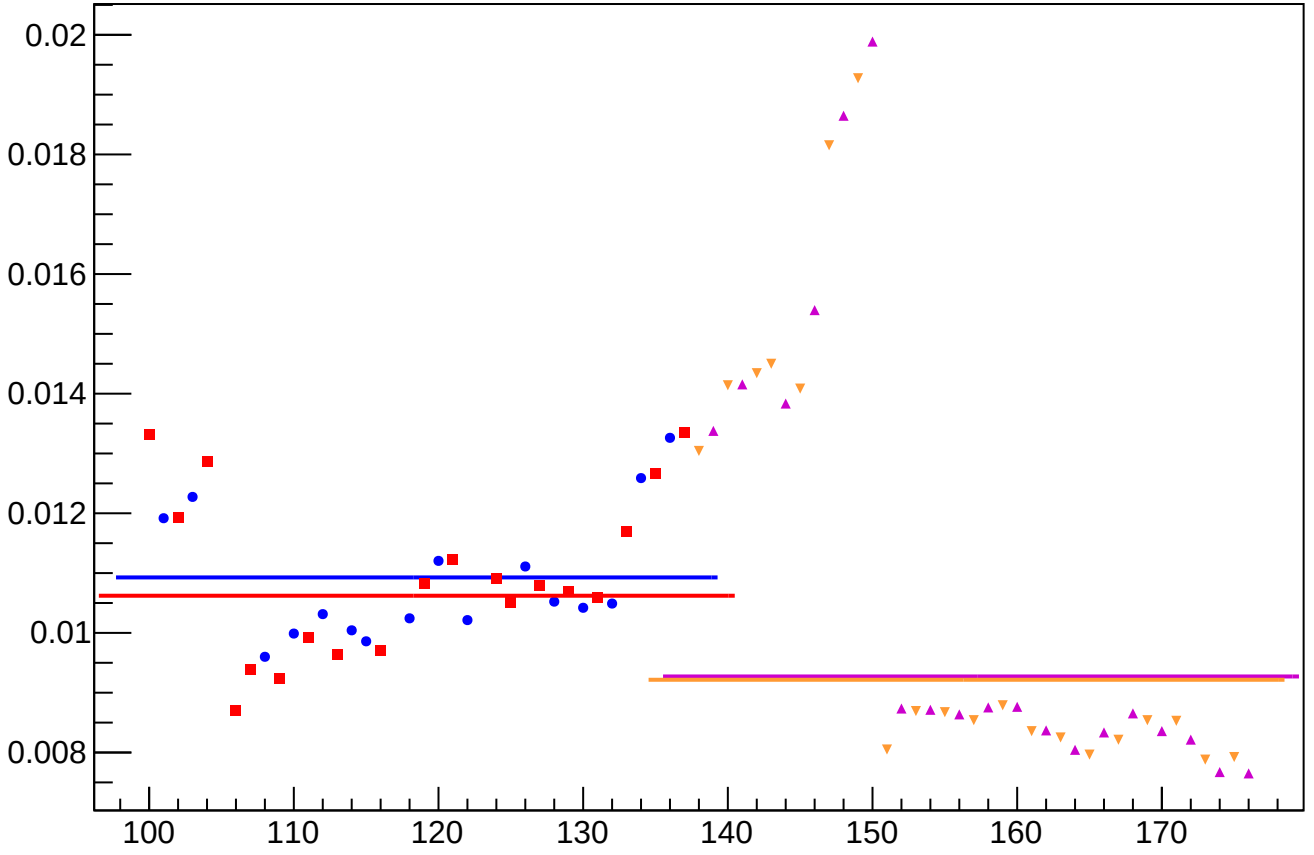
Left In: -2.354+/-0.000 χ^2/NDF:1359114488.3/18

+ sign -1.772+/-0.000 χ^2/NDF: 232685544786.7/35

All: -1.749+/-0.000 χ^2/NDF: 476705789456.8

- sign -1.725+/-0.000 χ^2/NDF: 243761716610.5/37

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1968697.5/19

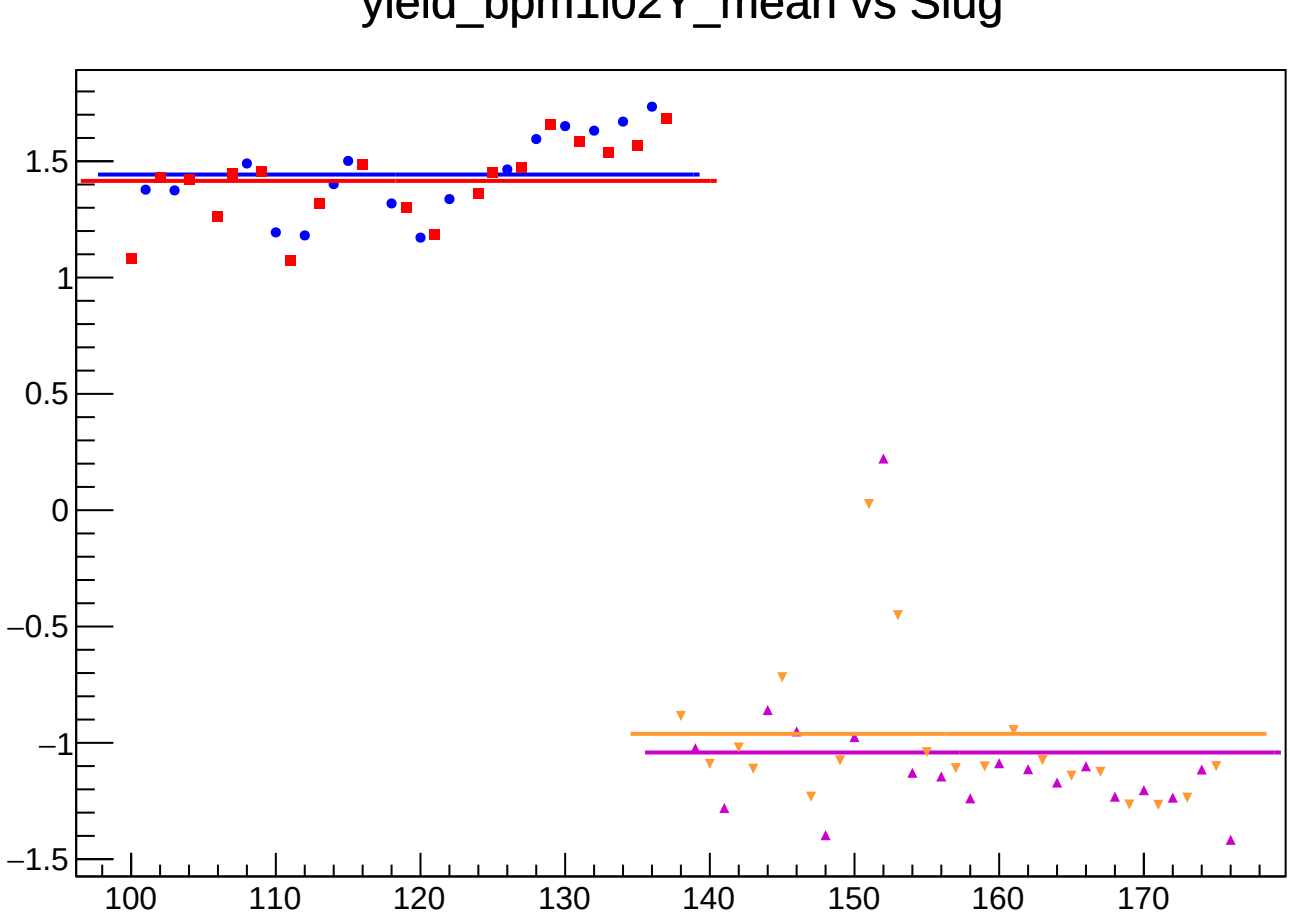
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2058216.2/18

+ sign 0.010+/-0.000 χ^2/NDF: 2365179.1/35

All: 0.010+/-0.000 χ^2/NDF: 4785283.0/73

- sign 0.010+/-0.000 χ^2/NDF: 2420100.6/37



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.961+/-0.000 χ^2/NDF:36279955935.9/19

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

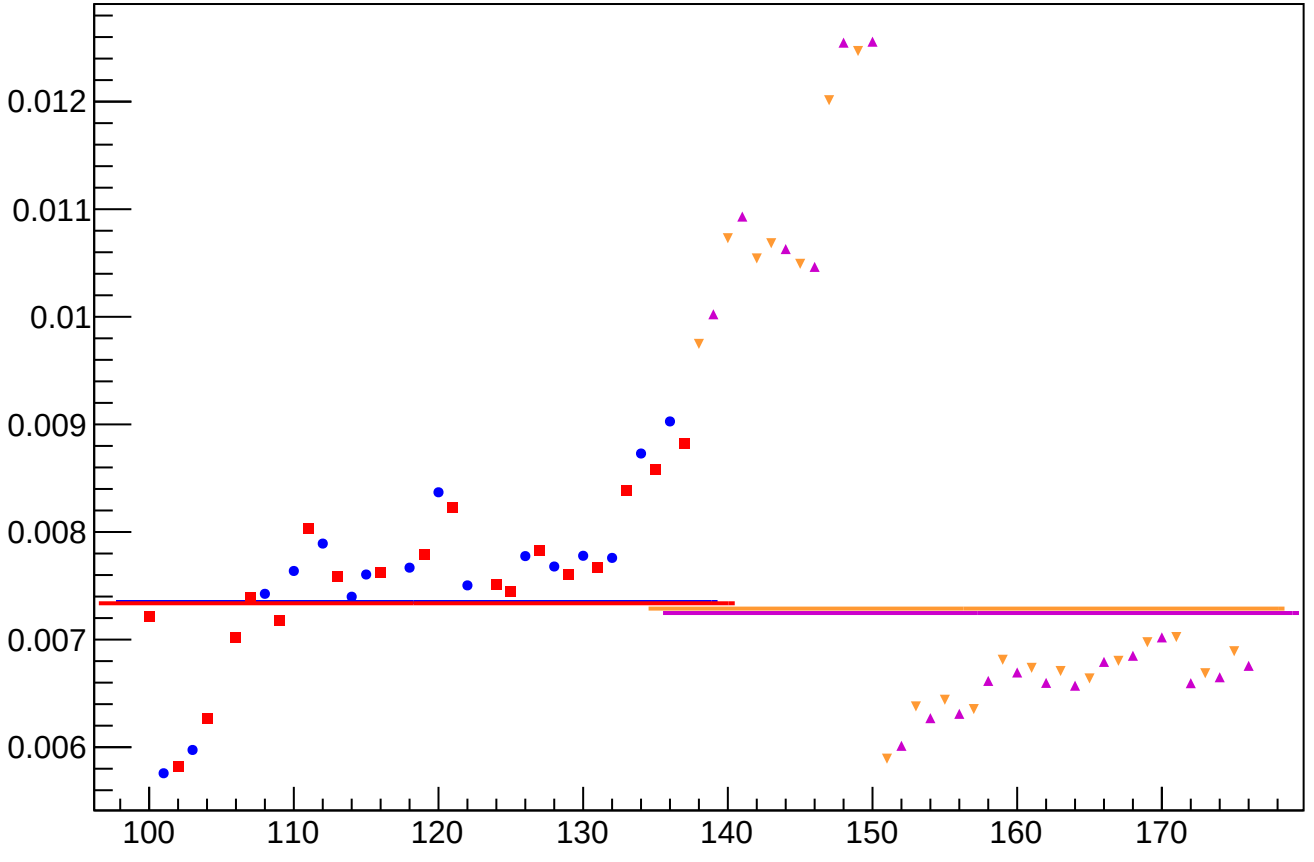
Left In: -1.041+/-0.000 χ^2/NDF:45056487119.1/18

+ sign -0.200+/-0.000 χ^2/NDF: 556732292333.6/35

All: -0.217+/-0.000 χ^2/NDF: 1159641712103

- sign -0.234+/-0.000 χ^2/NDF: 602676937462.3/37

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1477568.7/19

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

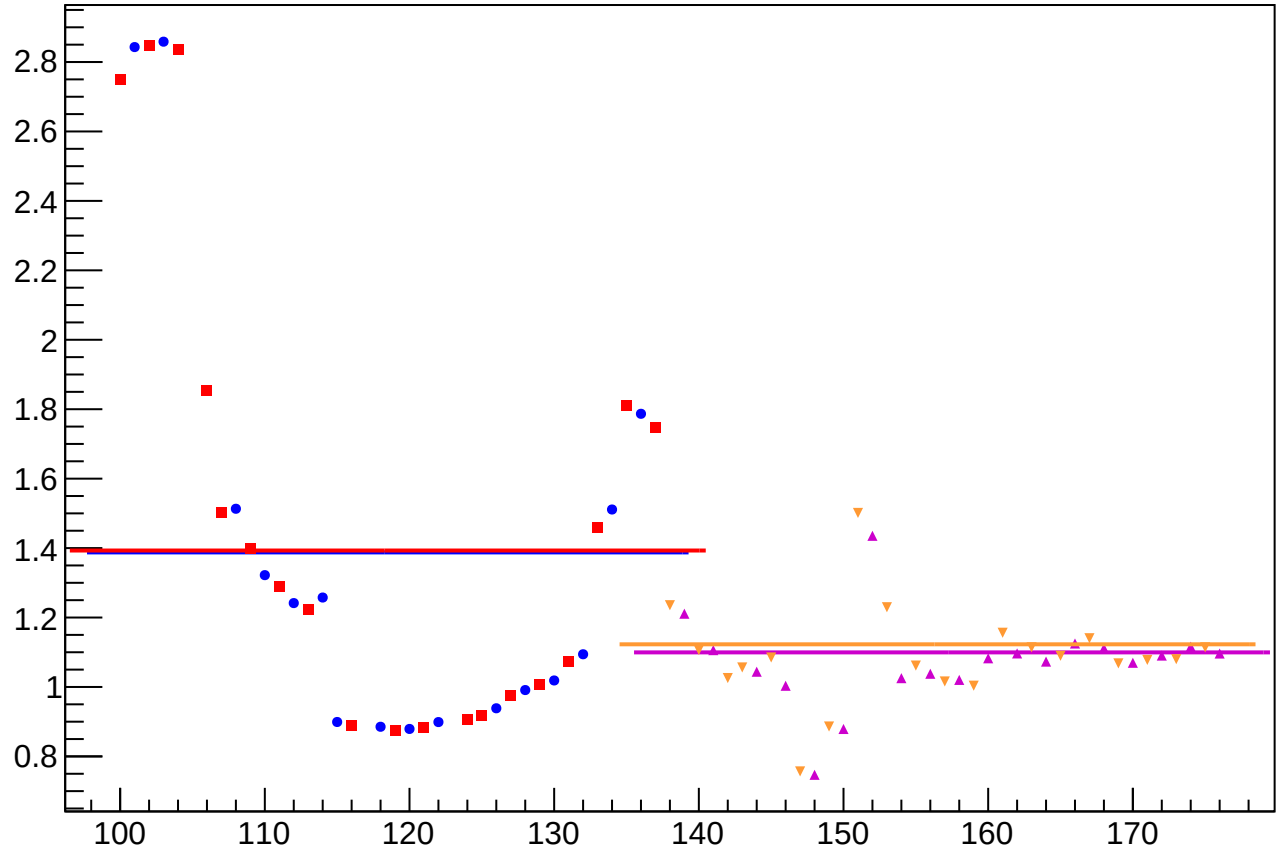
Left In: 0.007+/-0.000 χ^2/NDF:1553316.2/18

+ sign 0.007+/-0.000 χ^2/NDF: 1749102.1/35

All: 0.007+/-0.000 χ^2/NDF: 3499690.1/73

- sign 0.007+/-0.000 χ^2/NDF: 1750194.6/37

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.123+/-0.000 χ^2/NDF:5486541418.6/19

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

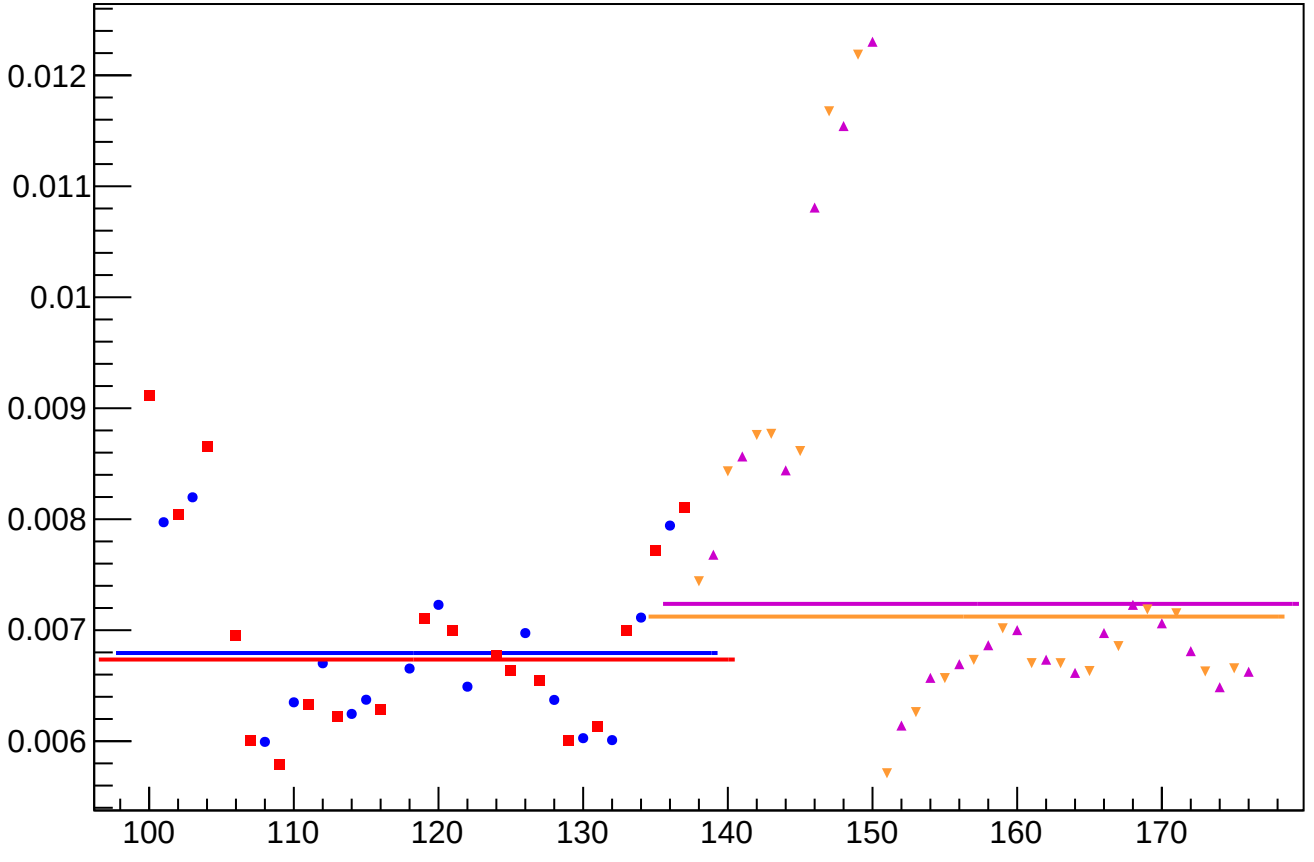
Left In: 1.100+/-0.000 χ^2/NDF:4185699384.4/18

+ sign 1.214+/-0.000 χ^2/NDF: 71189171054.6/35

All: 1.210+/-0.000 χ^2/NDF: 139605952554.4

- sign 1.207+/-0.000 χ^2/NDF: 68407003231.3/37

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:844162.5/19

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

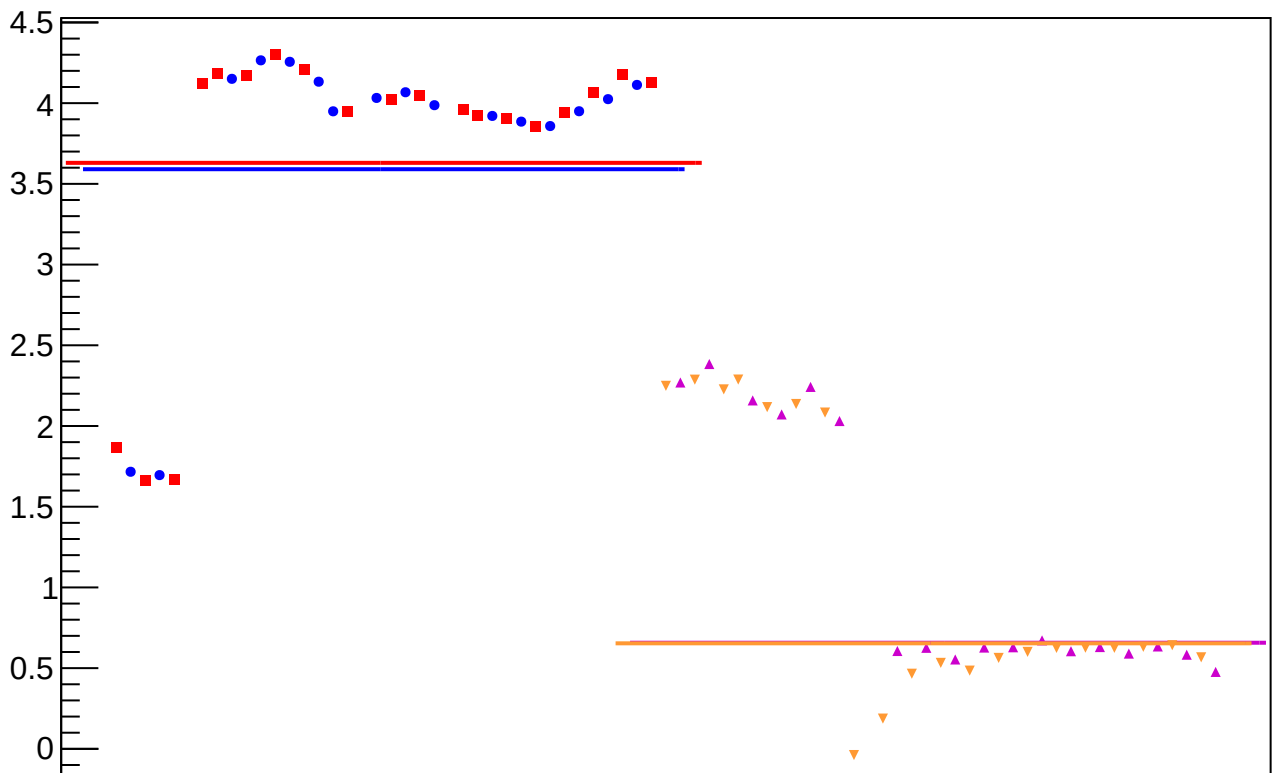
Left In: 0.007+/-0.000 χ^2/NDF:908680.7/18

+ sign 0.007+/-0.000 χ^2/NDF: 1030431.7/35

All: 0.007+/-0.000 χ^2/NDF: 2190187.2/73

- sign 0.007+/-0.000 χ^2/NDF: 1158910.5/37

yield_bpm1i04Y_mean vs Slug



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.654+/-0.000 χ^2/NDF:244884611673.5/19

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

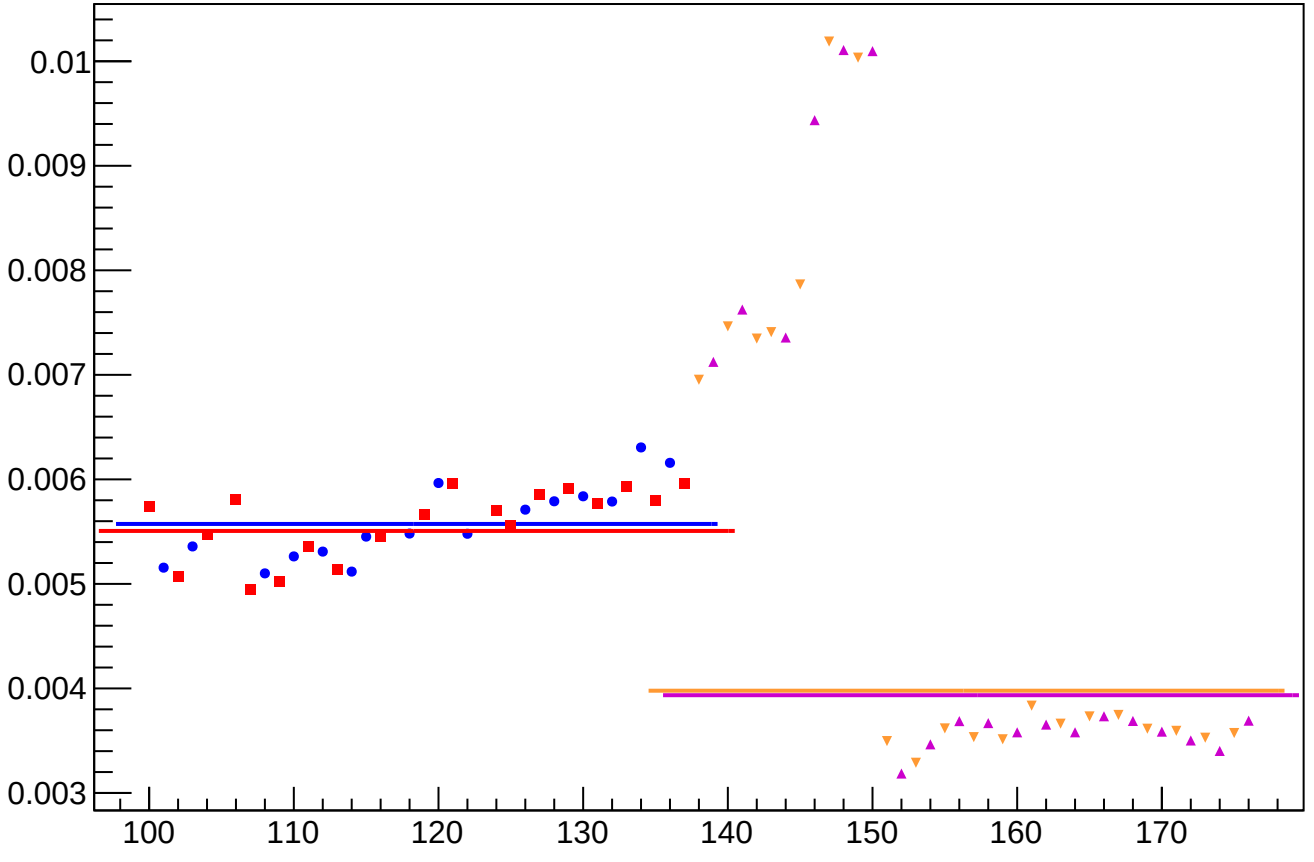
Left In: 0.657+/-0.000 χ^2/NDF:245345661645.7/18

+ sign 1.270+/-0.000 χ^2/NDF: 2019684267286.8/35

All: 1.286+/-0.000 χ^2/NDF: 4145223536578.

- sign 1.301+/-0.000 χ^2/NDF: 2124992446407.7/37

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2894118.6/19

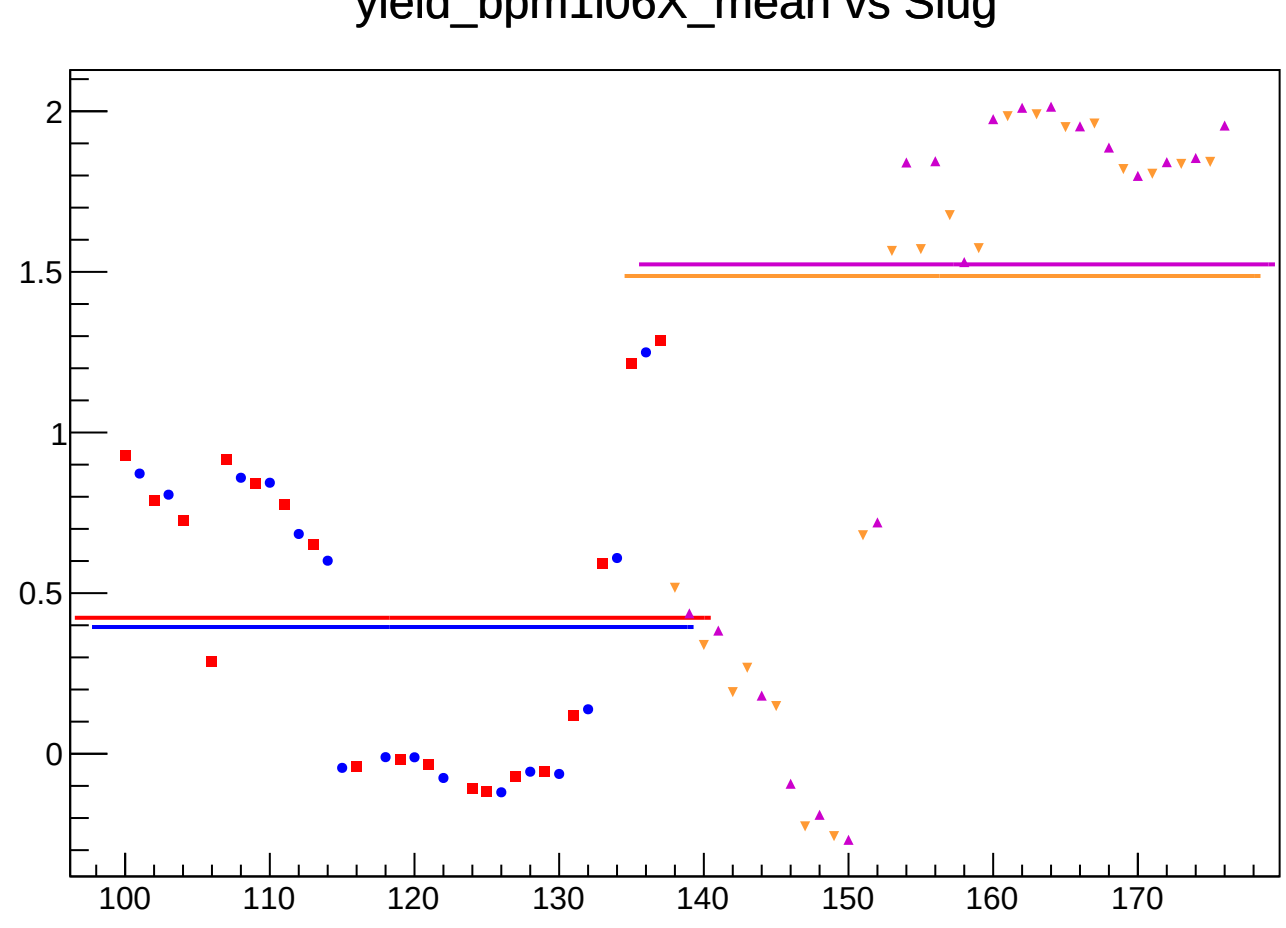
Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:3103537.1/18

+ sign 0.004+/-0.000 χ^2/NDF: 3881201.1/35

All: 0.004+/-0.000 χ^2/NDF: 7975451.5/73

- sign 0.004+/-0.000 χ^2/NDF: 4092705.3/37



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.487+/-0.000 χ^2/NDF:55041749474.9/19

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

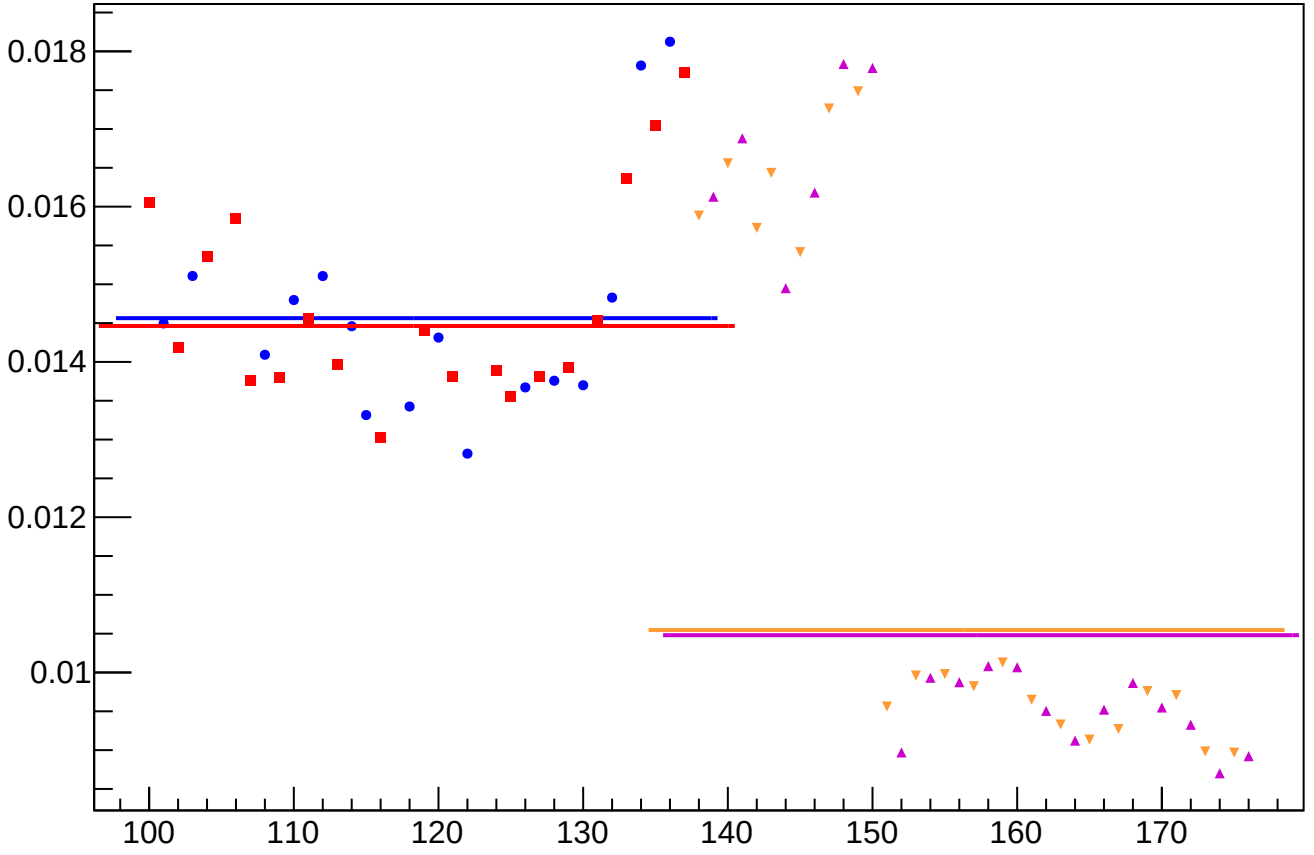
Left In: 1.523+/-0.000 χ^2/NDF:61025157343.7/18

+ sign 1.268+/-0.000 χ^2/NDF: 94382325815.6/35

All: 1.281+/-0.000 χ^2/NDF: 195727167394.4

- sign 1.294+/-0.000 χ^2/NDF: 101287815120.3/37

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:1618922.2/19

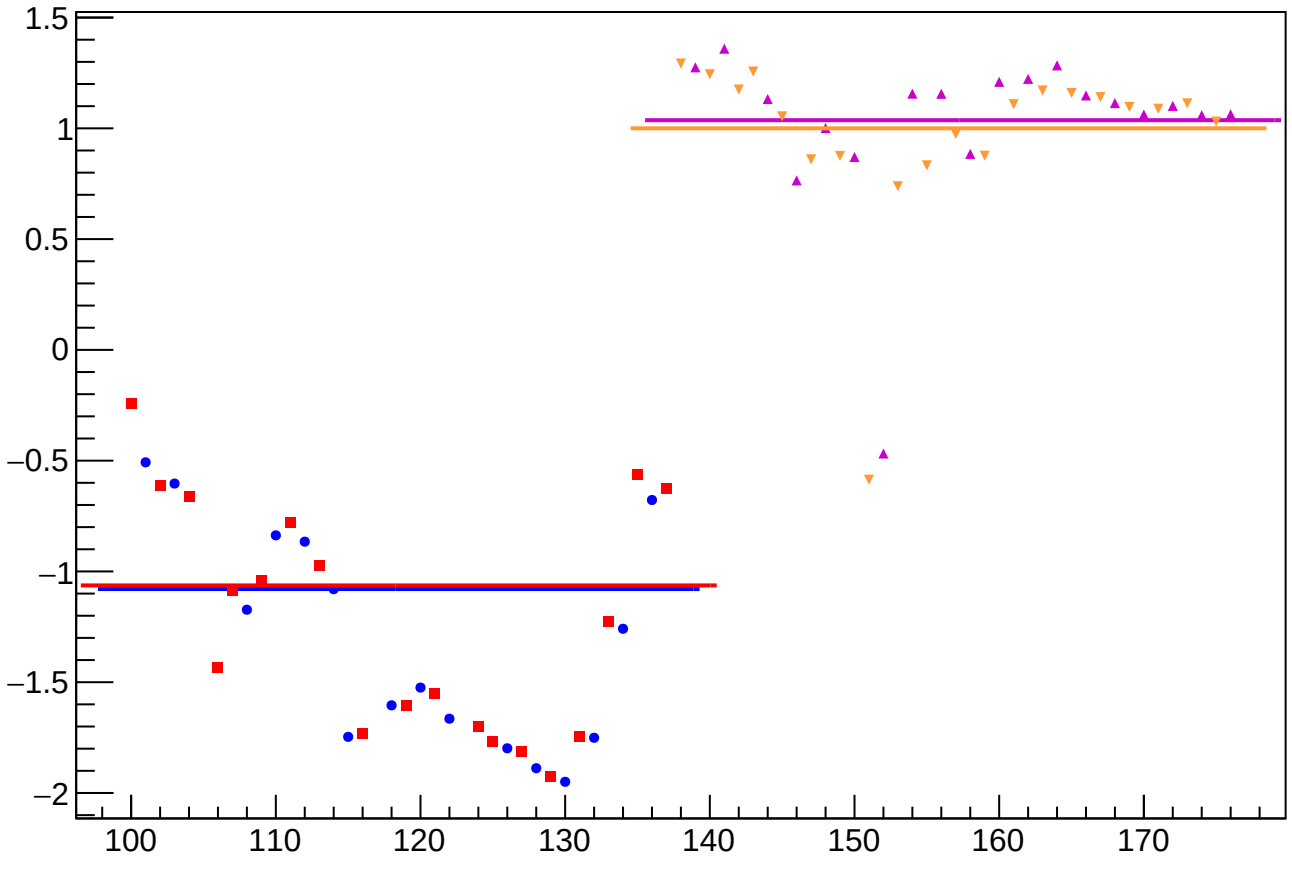
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1690137.6/18

+ sign 0.011+/-0.000 χ^2/NDF: 2615058.5/35

All: 0.011+/-0.000 χ^2/NDF: 5257310.3/73

- sign 0.011+/-0.000 χ^2/NDF: 2641952.6/37



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.000+/-0.000 χ^2/NDF:110470461483.4/19

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

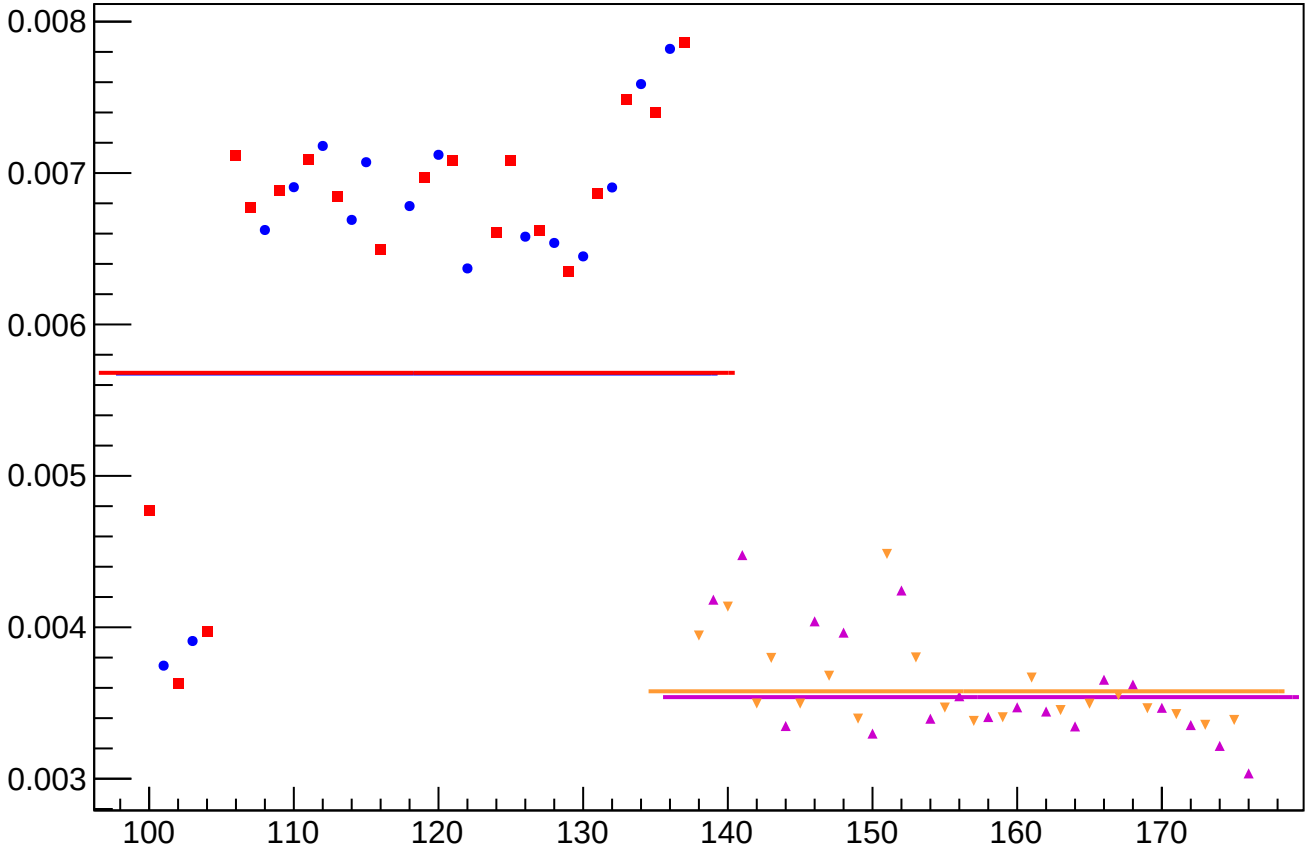
Left In: 1.037+/-0.000 χ^2/NDF:125260806463.0/18

+ sign 0.689+/-0.000 χ^2/NDF: 897023330512.4/35

All: 0.704+/-0.000 χ^2/NDF: 1820235880699.

- sign 0.718+/-0.000 χ^2/NDF: 922651923193.3/37

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:143687.5/19

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

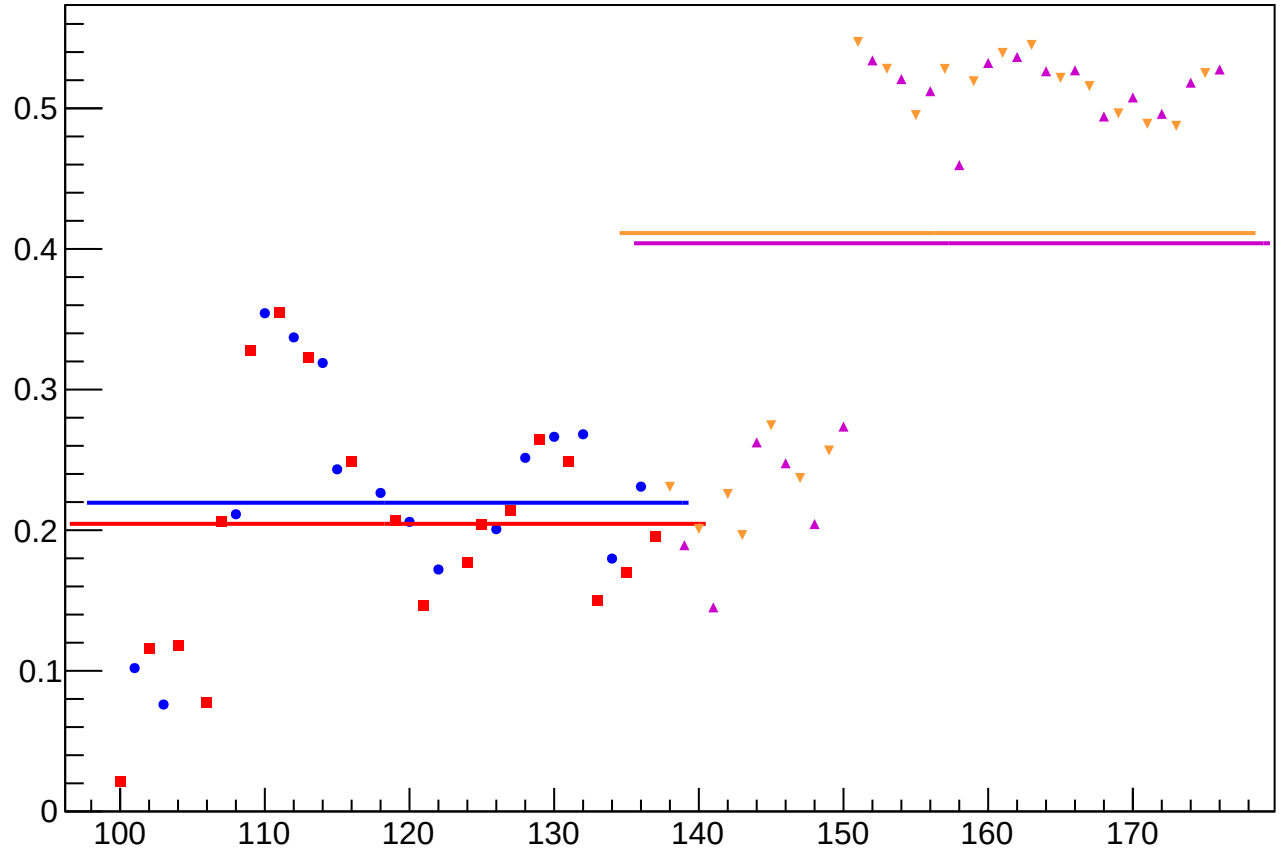
Left In: 0.004+/-0.000 χ^2/NDF:272145.2/18

+ sign 0.004+/-0.000 χ^2/NDF: 2568966.3/35

All: 0.004+/-0.000 χ^2/NDF: 5377682.3/73

- sign 0.004+/-0.000 χ^2/NDF: 2807723.2/37

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.411+/-0.000 χ^2/NDF:141026966117.3/19

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

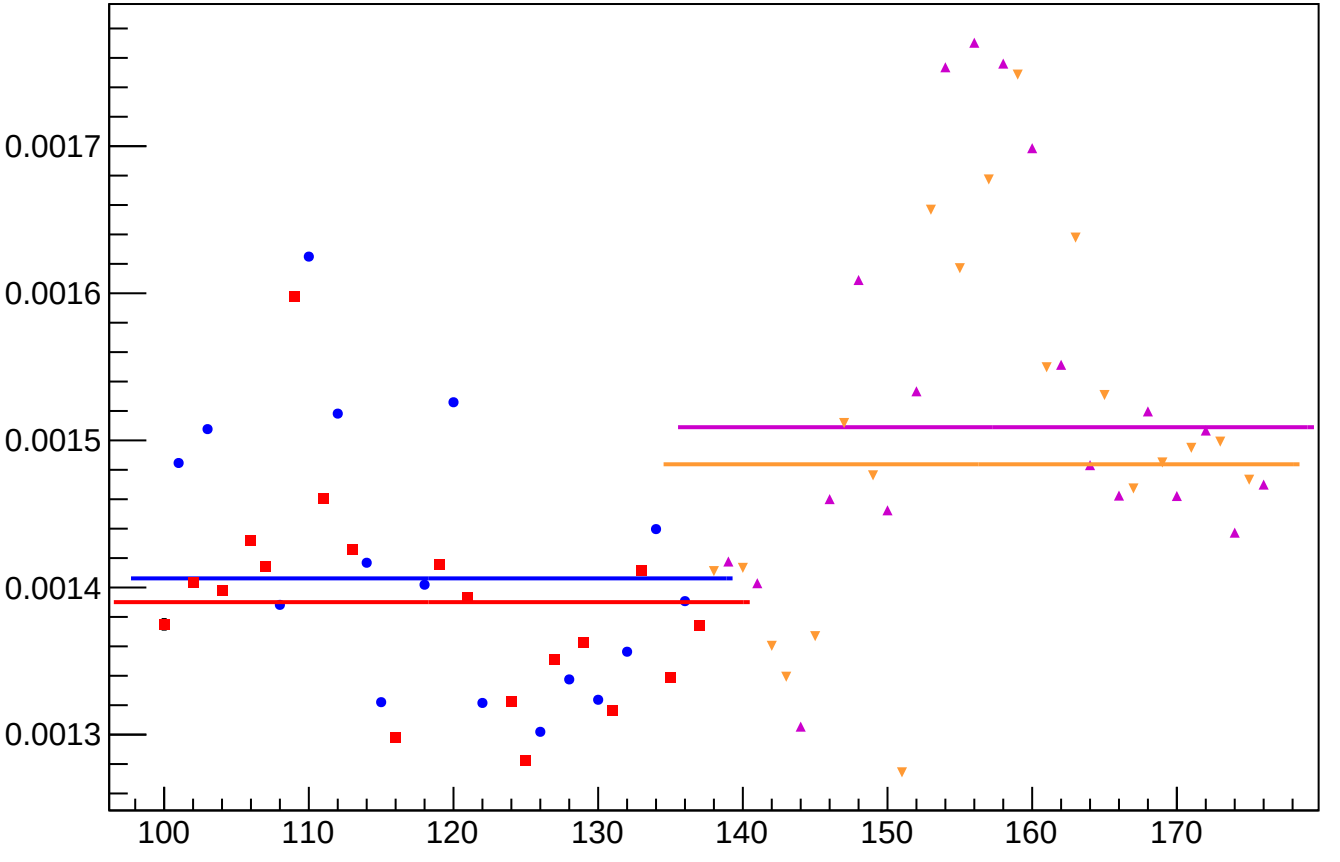
Left In: 0.404+/-0.000 χ^2/NDF:141457013711.1/18

+ sign 0.348+/-0.000 χ^2/NDF: 244061945213.6/35

All: 0.340+/-0.000 χ^2/NDF: 505457421383.2

- sign 0.332+/-0.000 χ^2/NDF: 260035058879.3/37

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:201150.1/19

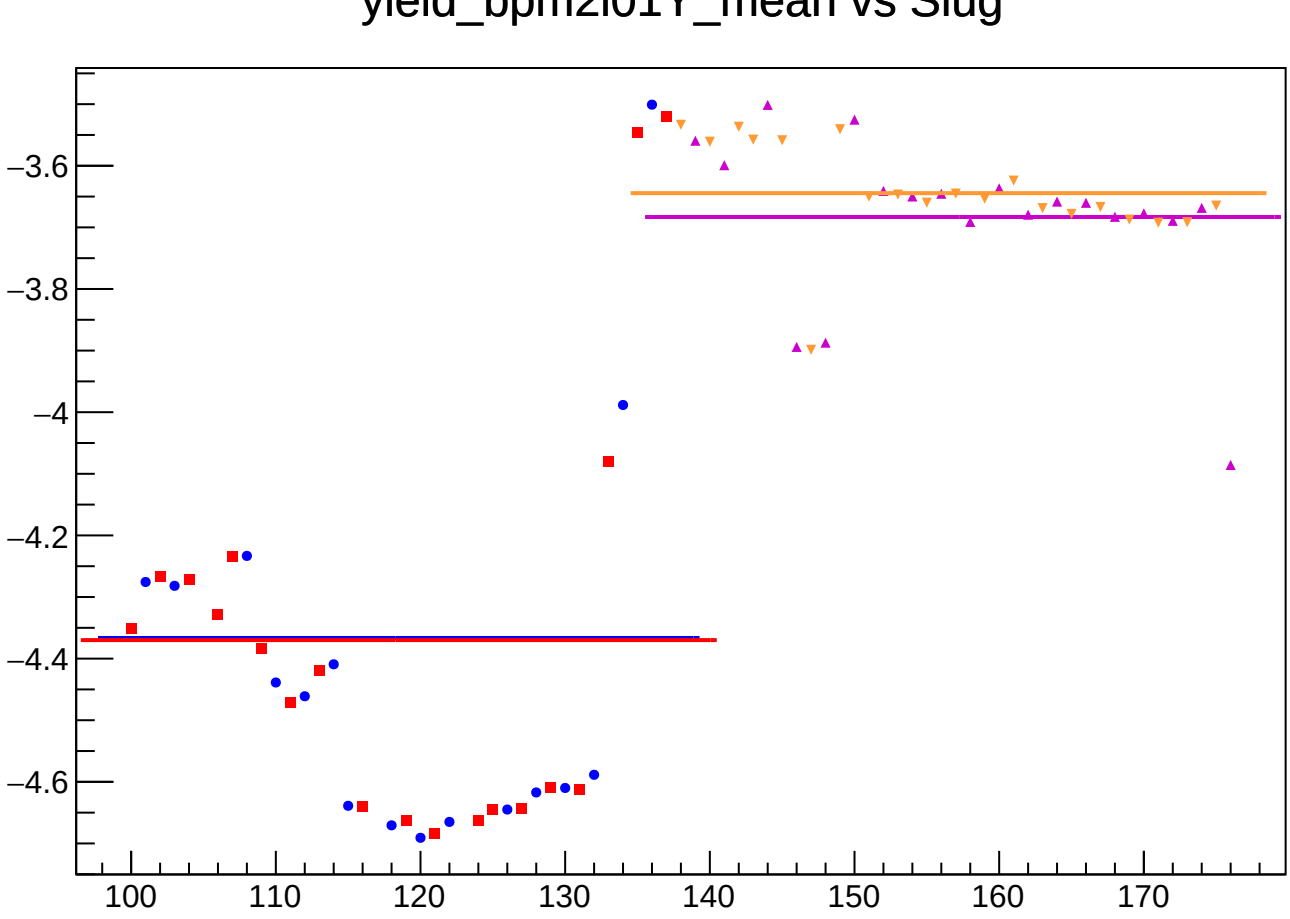
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:204513.0/18

+ sign 0.001+/-0.000 χ^2/NDF: 277584.3/35

All: 0.001+/-0.000 χ^2/NDF: 585916.6/73

- sign 0.001+/-0.000 χ^2/NDF: 307696.6/37



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.644+/-0.000 χ^2/NDF:25143170342.2/19

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

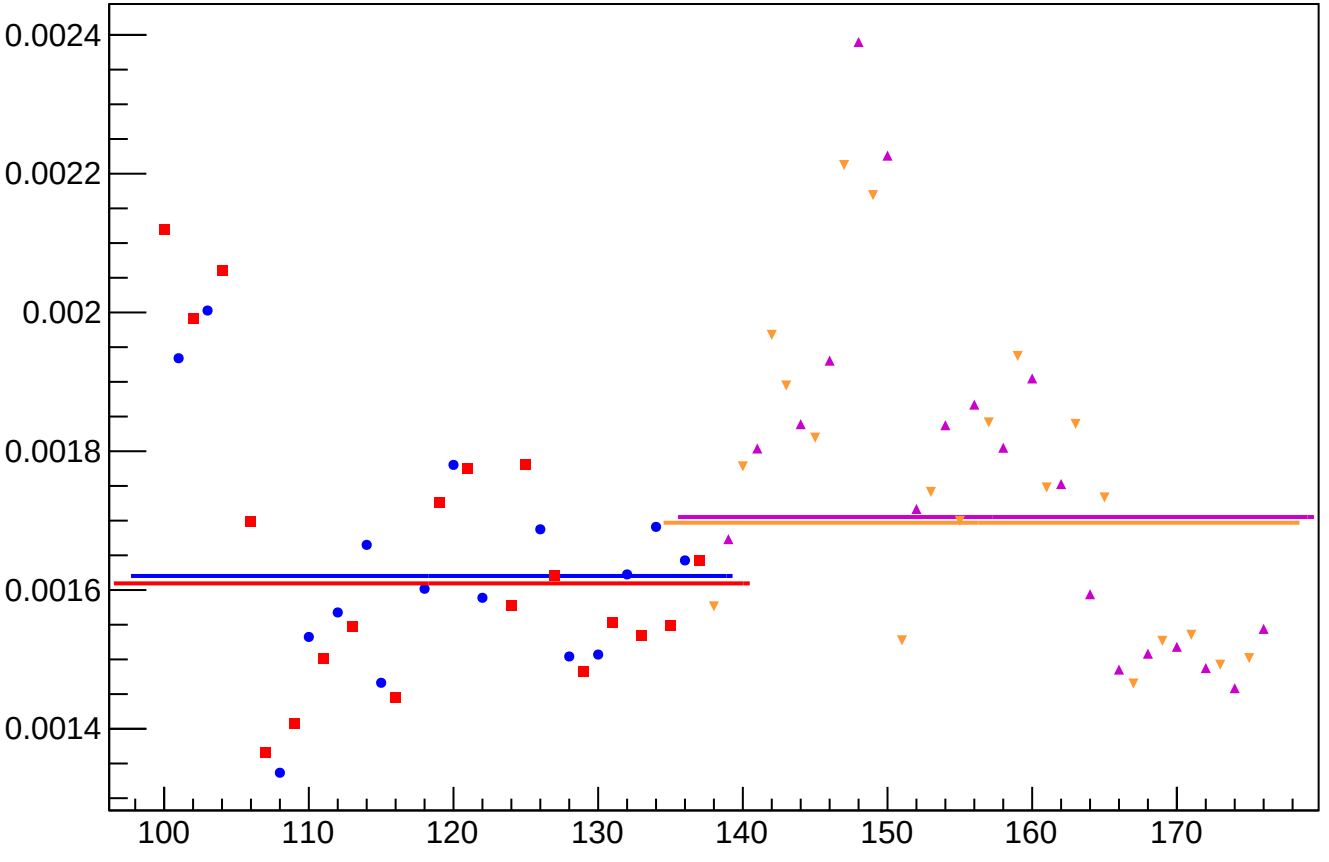
Left In: -3.683+/-0.000 χ^2/NDF:81352511266.6/18

+ sign -3.884+/-0.000 χ^2/NDF: 1290261107552.3/3

All: -3.904+/-0.000 χ^2/NDF: 2516855238009

- sign -3.923+/-0.000 χ^2/NDF: 1220586740999.4/37

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:417763.3/19

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

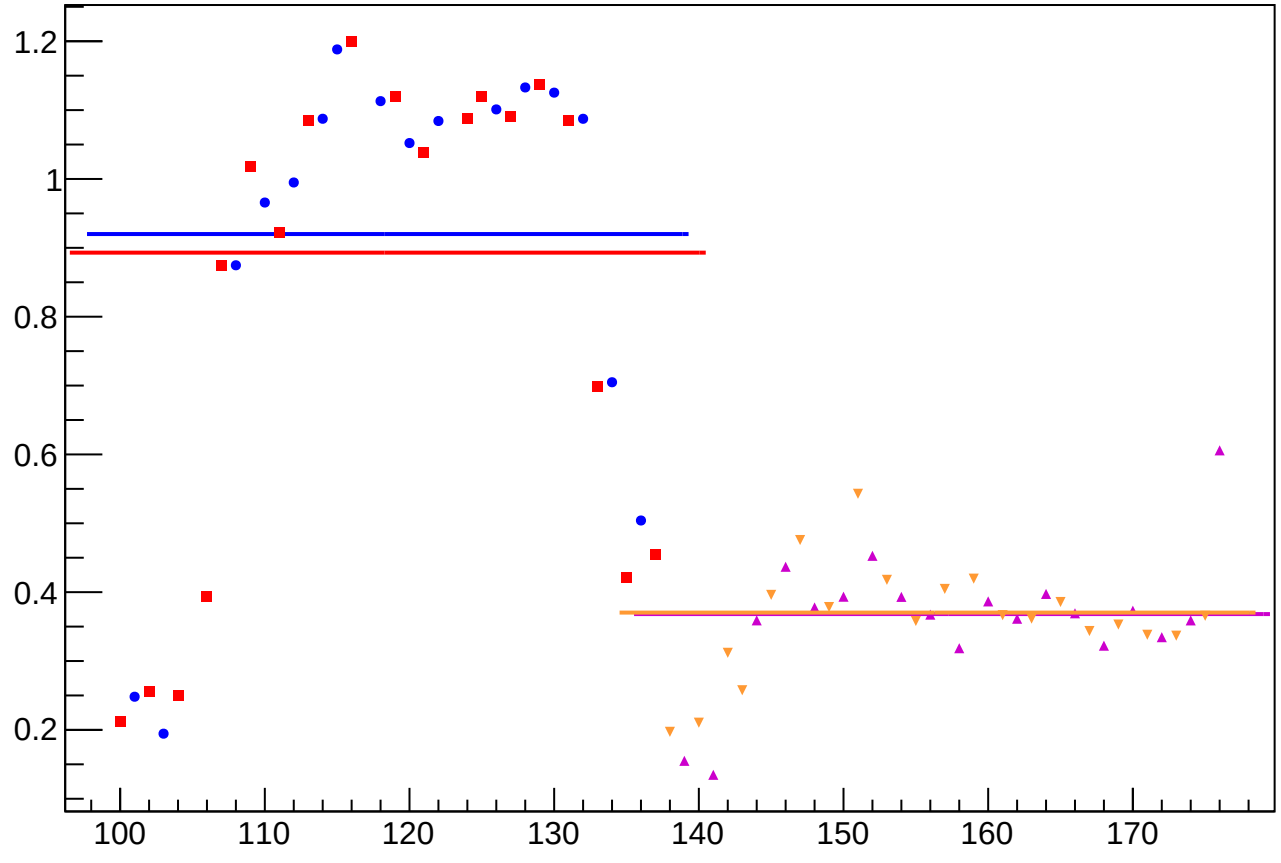
Left In: 0.002+/-0.000 χ^2/NDF:491430.8/18

+ sign 0.002+/-0.000 χ^2/NDF: 578567.0/35

All: 0.002+/-0.000 χ^2/NDF: 1287656.6/73

- sign 0.002+/-0.000 χ^2/NDF: 709088.9/37

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.370+/-0.000 χ^2/NDF:1759482824.2/19

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

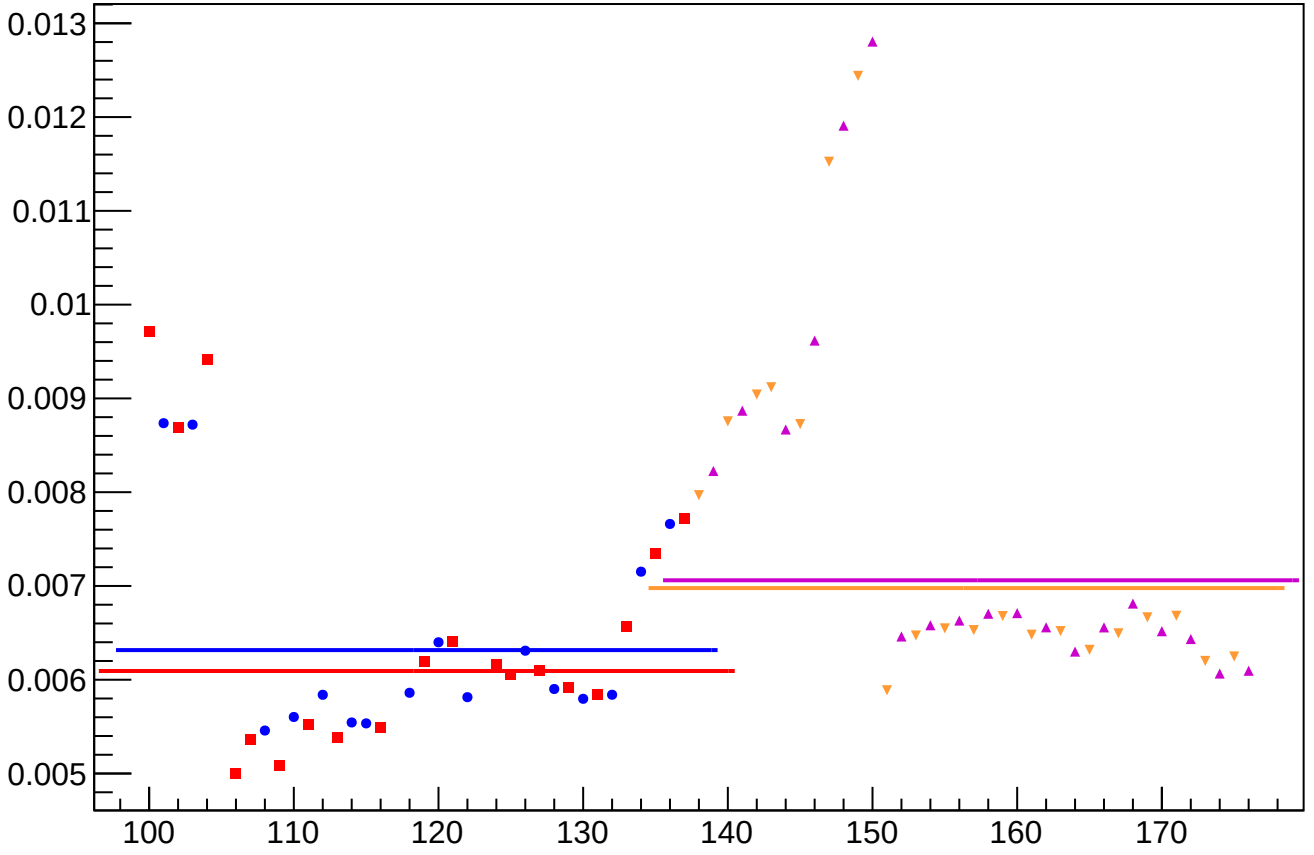
Left In: 0.368+/-0.000 χ^2/NDF:2518667744.0/18

+ sign 0.568+/-0.000 χ^2/NDF: 50323054515.6/35

All: 0.572+/-0.000 χ^2/NDF: 103035836005.1

- sign 0.576+/-0.000 χ^2/NDF: 52698664640.0/37

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1047267.3/19

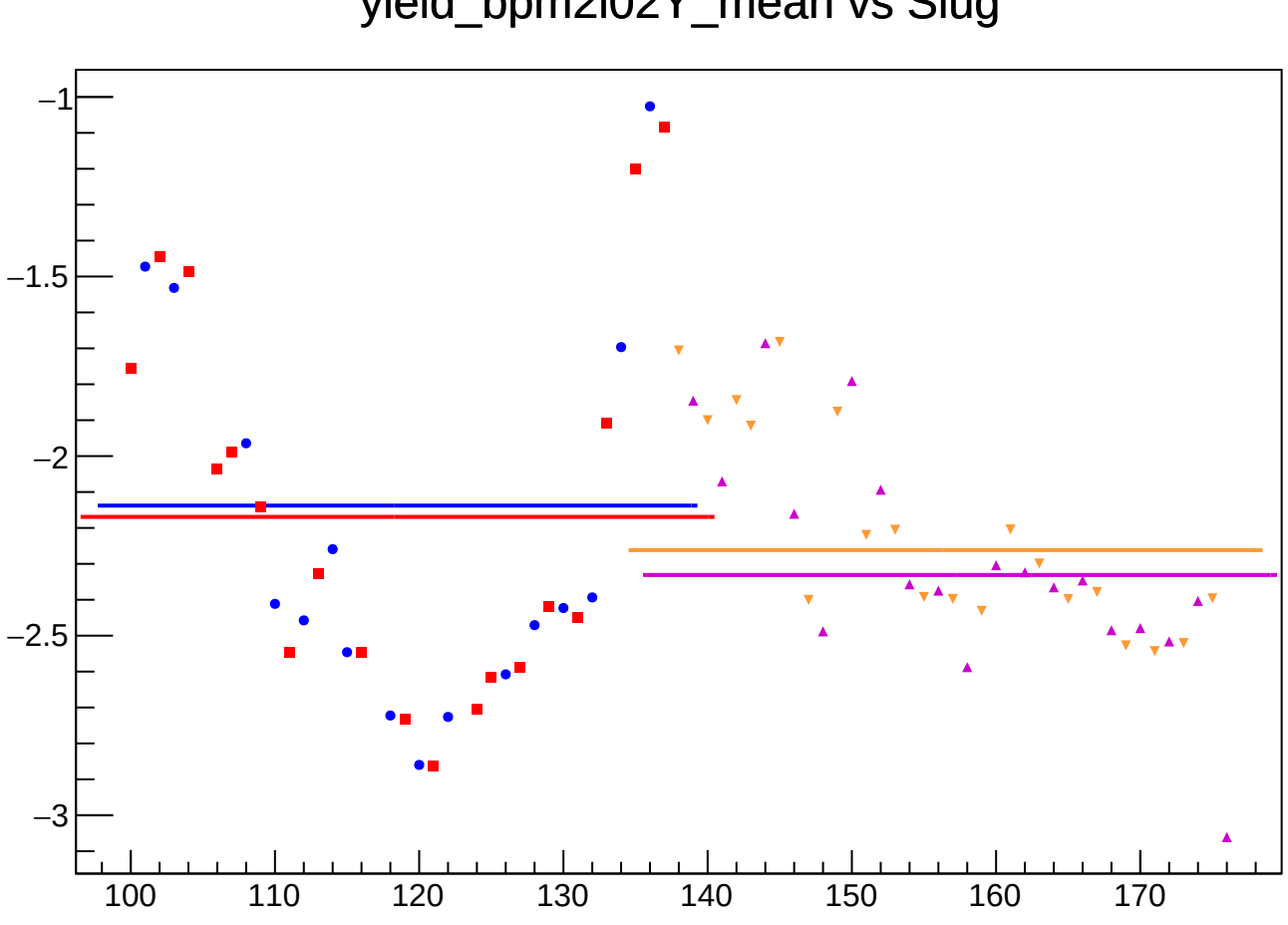
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1110061.3/18

+ sign 0.007+/-0.000 χ^2/NDF: 1481415.9/35

All: 0.007+/-0.000 χ^2/NDF: 3250289.4/73

- sign 0.007+/-0.000 χ^2/NDF: 1767014.4/37



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.262+/-0.000 χ^2/NDF:23199974727.7/19

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

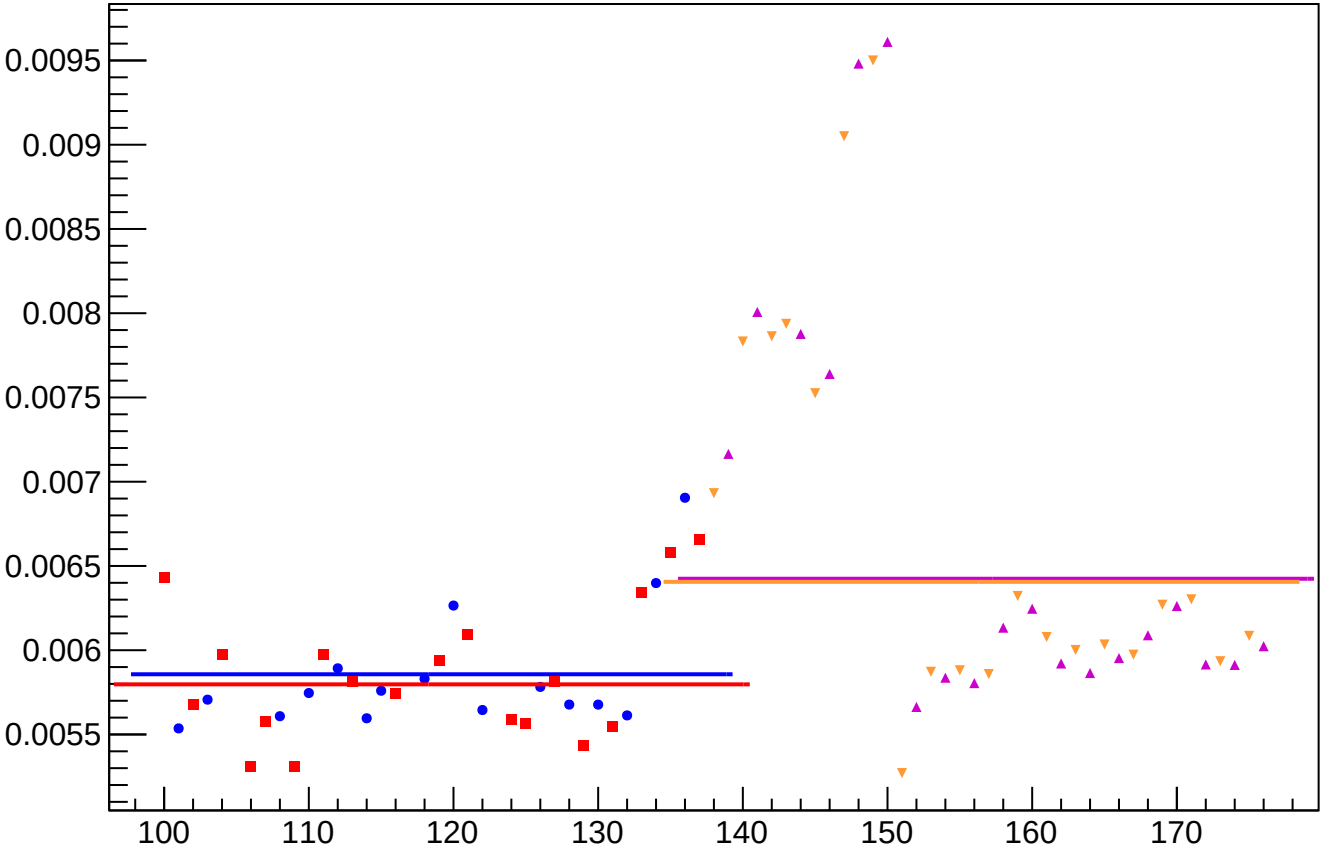
Left In: -2.331+/-0.000 χ^2/NDF:29096003001.5/18

+ sign -2.218+/-0.000 χ^2/NDF: 90936520185.2/35

All: -2.244+/-0.000 χ^2/NDF: 181870671739.

- sign -2.270+/-0.000 χ^2/NDF: 90123252217.3/37

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:668919.8/19

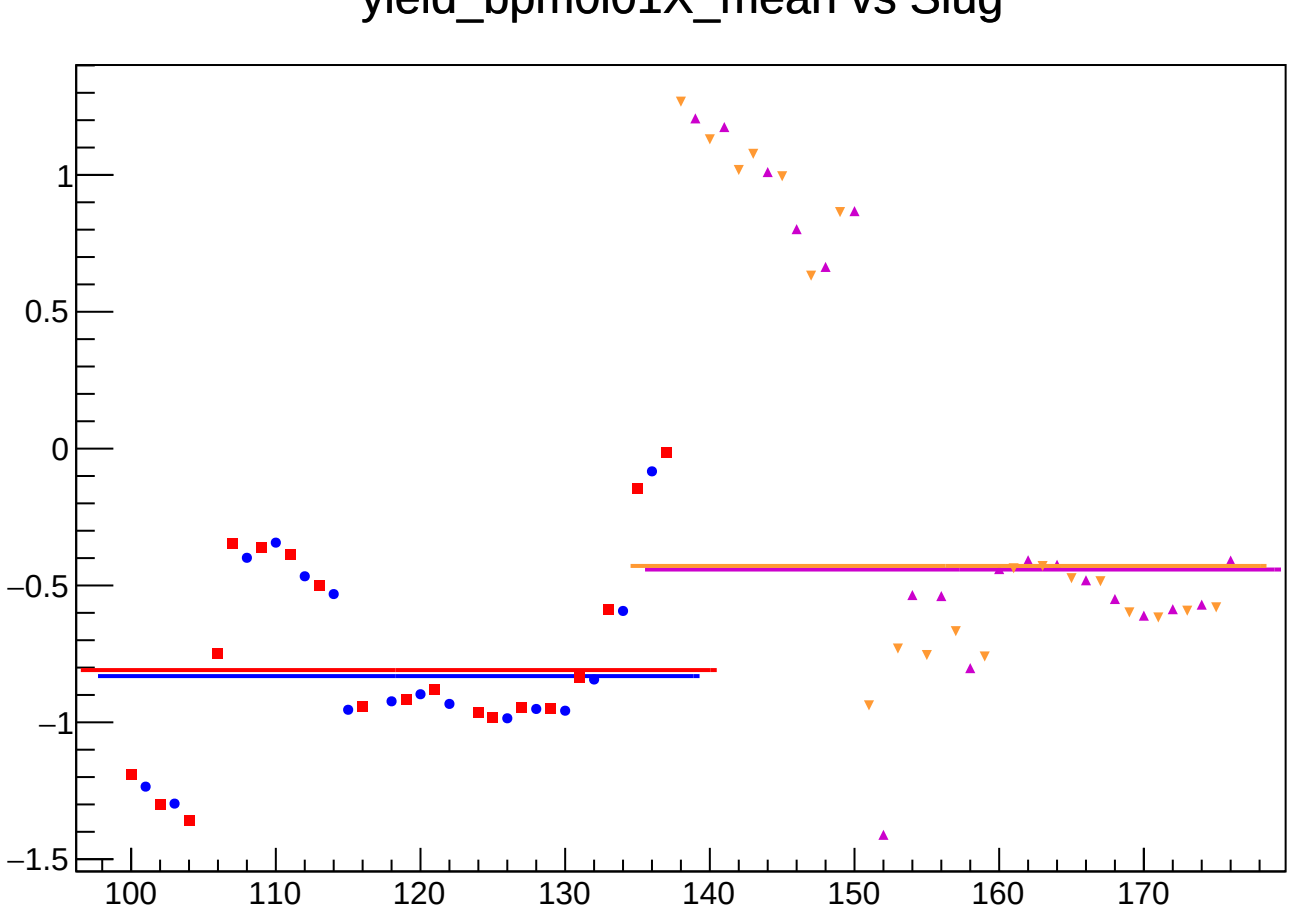
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:702640.2/18

+ sign 0.006+/-0.000 χ^2/NDF: 811921.4/35

All: 0.006+/-0.000 χ^2/NDF: 1679805.6/73

- sign 0.006+/-0.000 χ^2/NDF: 867605.5/37



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.429+/-0.000 χ^2/NDF:80962341738.7/19

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

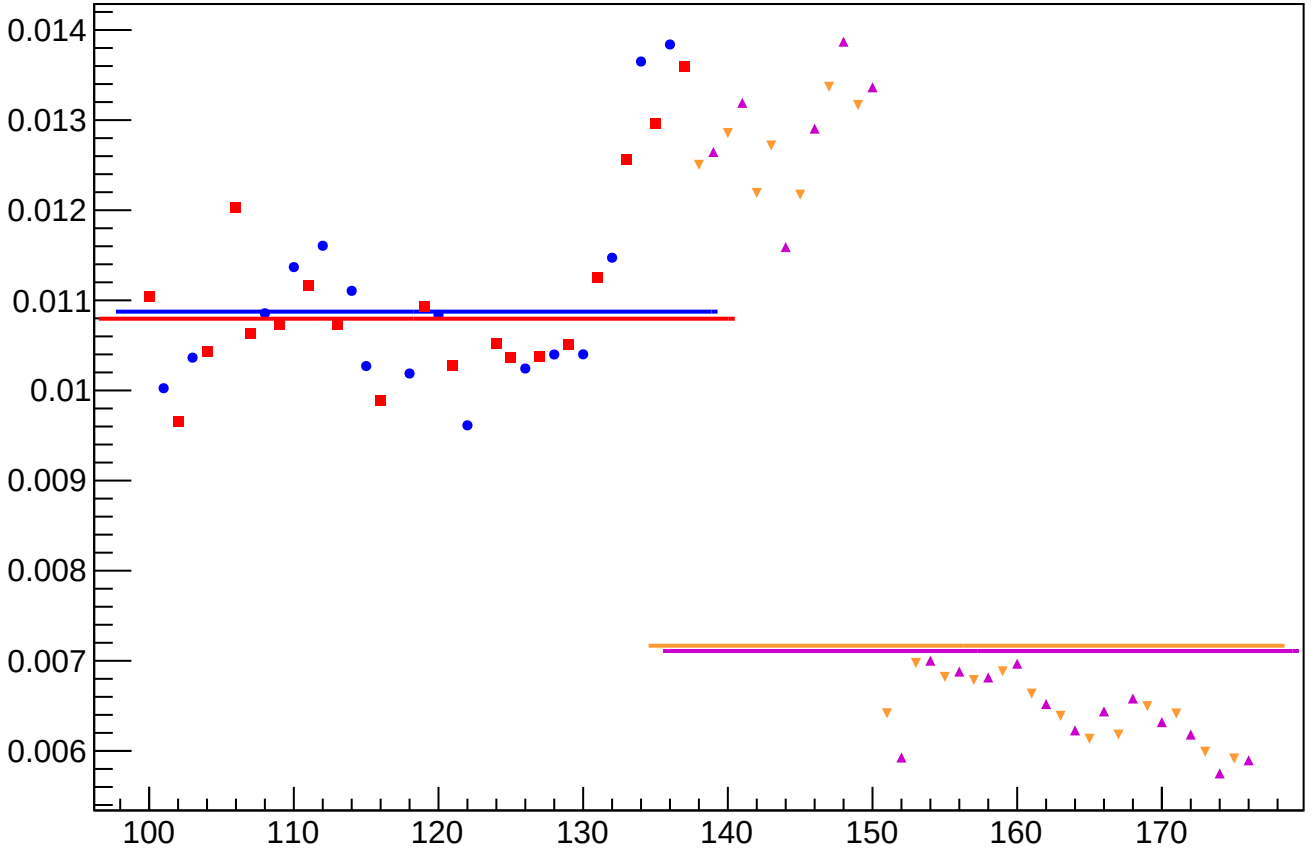
Left In: -0.442+/-0.000 χ^2/NDF:89605245896.9/18

+ sign -0.499+/-0.000 χ^2/NDF: 96020122975.5/35

All: -0.504+/-0.000 χ^2/NDF: 200627473685.

- sign -0.509+/-0.000 χ^2/NDF: 104592102398.8/37

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:2323112.1/19

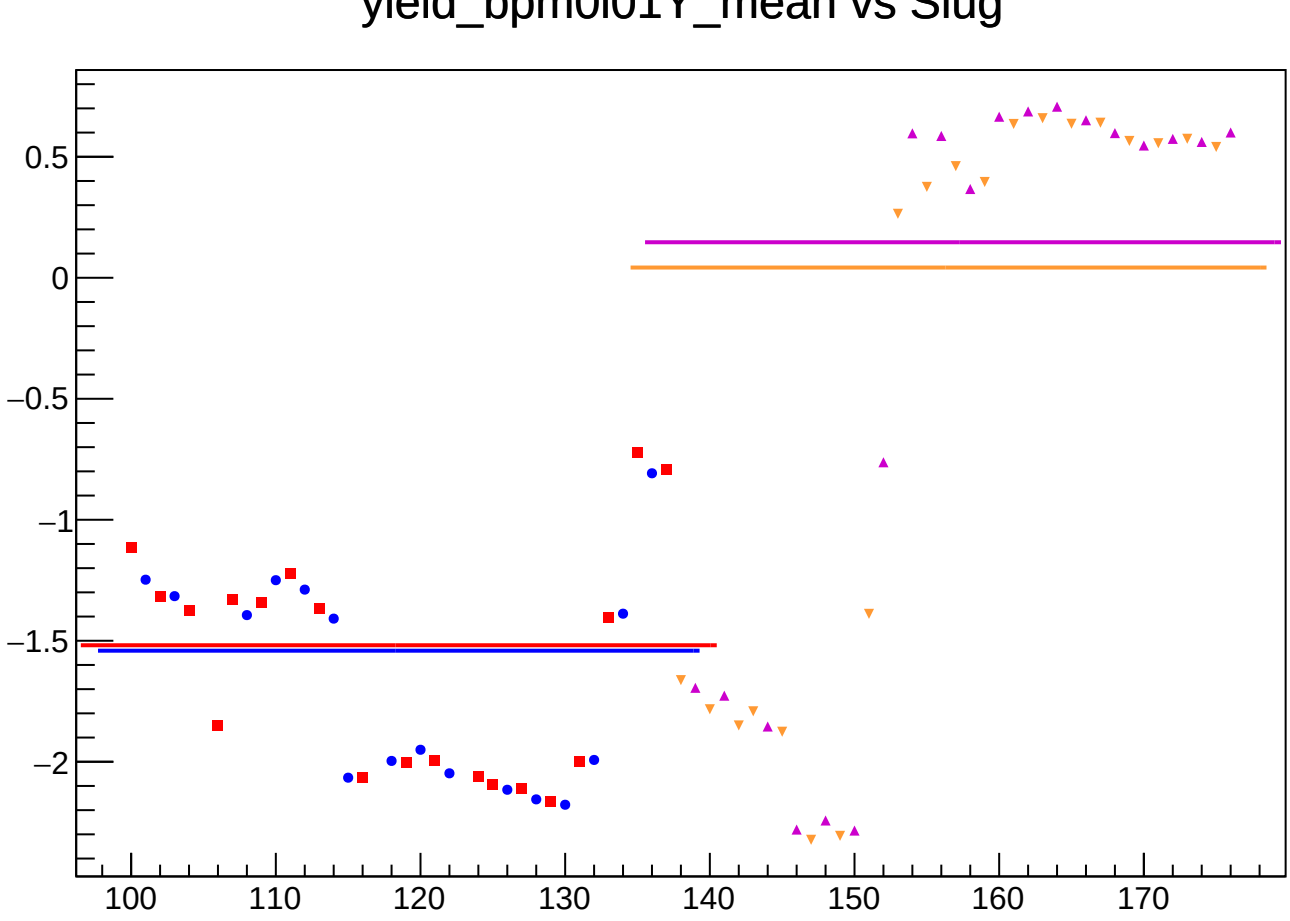
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2415357.3/18

+ sign 0.008+/-0.000 χ^2/NDF: 3828887.1/35

All: 0.008+/-0.000 χ^2/NDF: 7722365.4/73

- sign 0.008+/-0.000 χ^2/NDF: 3893020.0/37



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.042+/-0.000 χ^2/NDF:2247324645944.1/19

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

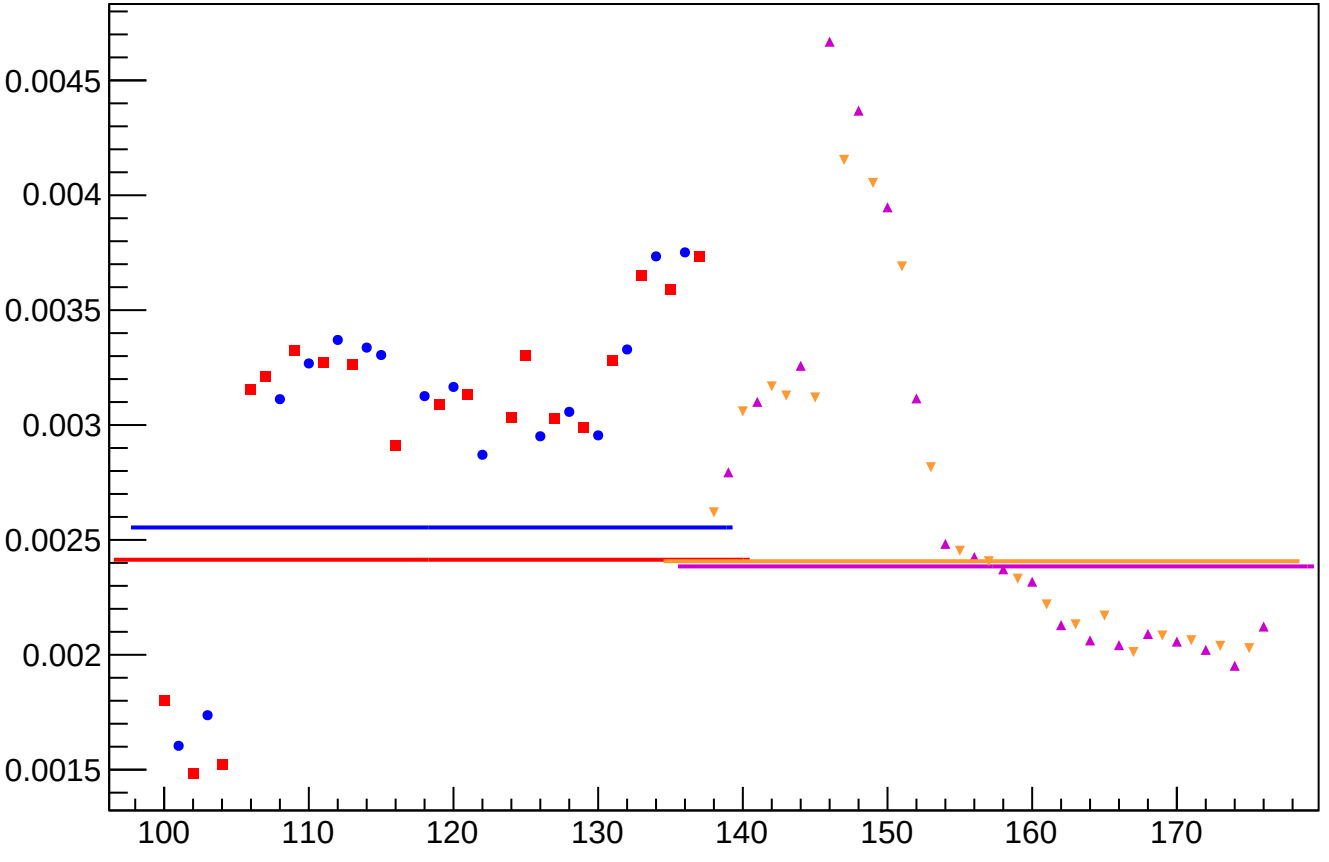
Left In: 0.147+/-0.000 χ^2/NDF:2042632985506.0/18

+ sign -0.403+/-0.000 χ^2/NDF: 4082830111156.7/3

All: -0.380+/-0.000 χ^2/NDF: 8241337269725

- sign -0.357+/-0.000 χ^2/NDF: 4154978318898.6/37

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1195723.6/19

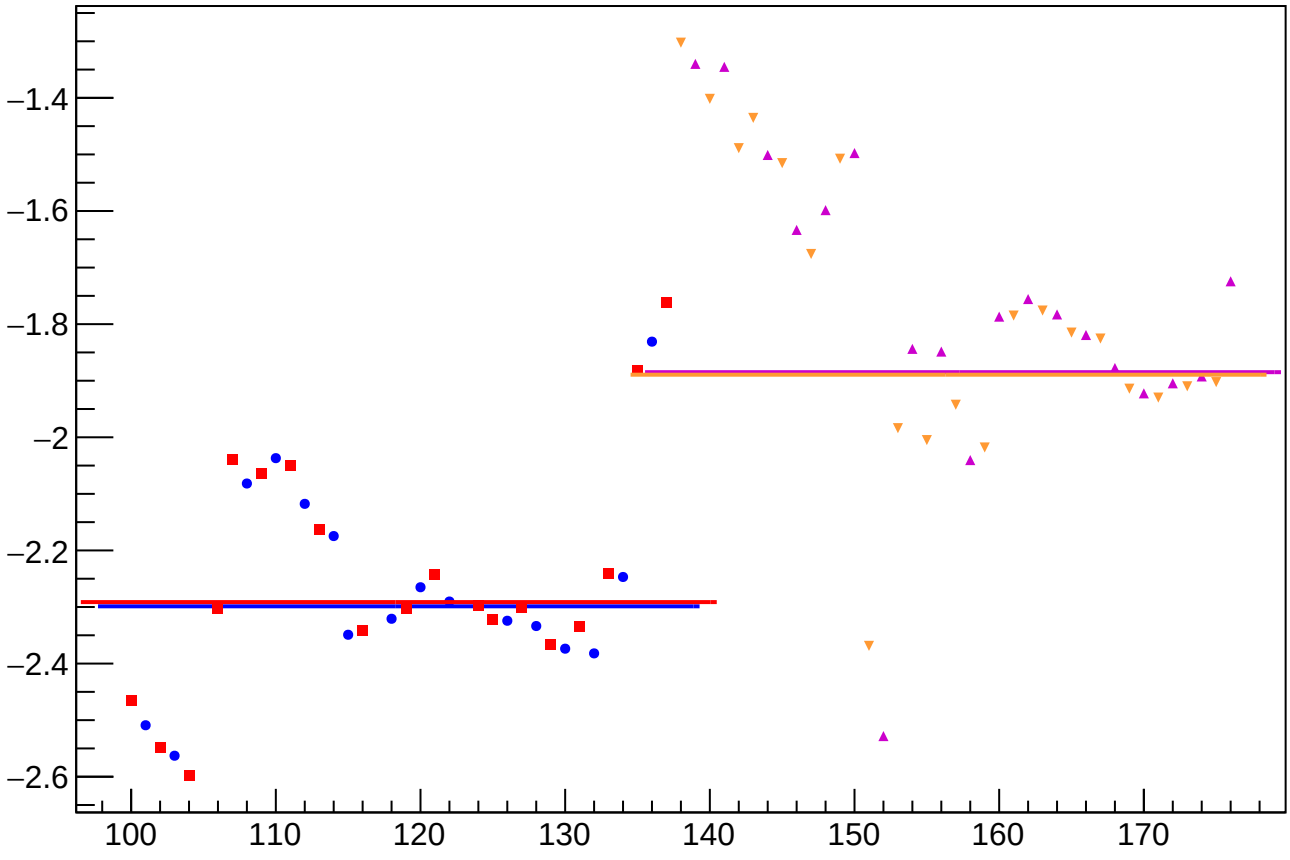
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1399532.4/18

+ sign 0.002+/-0.000 χ^2/NDF: 2396974.2/35

All: 0.002+/-0.000 χ^2/NDF: 5354670.6/73

- sign 0.002+/-0.000 χ^2/NDF: 2947562.6/37



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.889+/-0.000 χ^2/NDF:27423316264.7/19

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

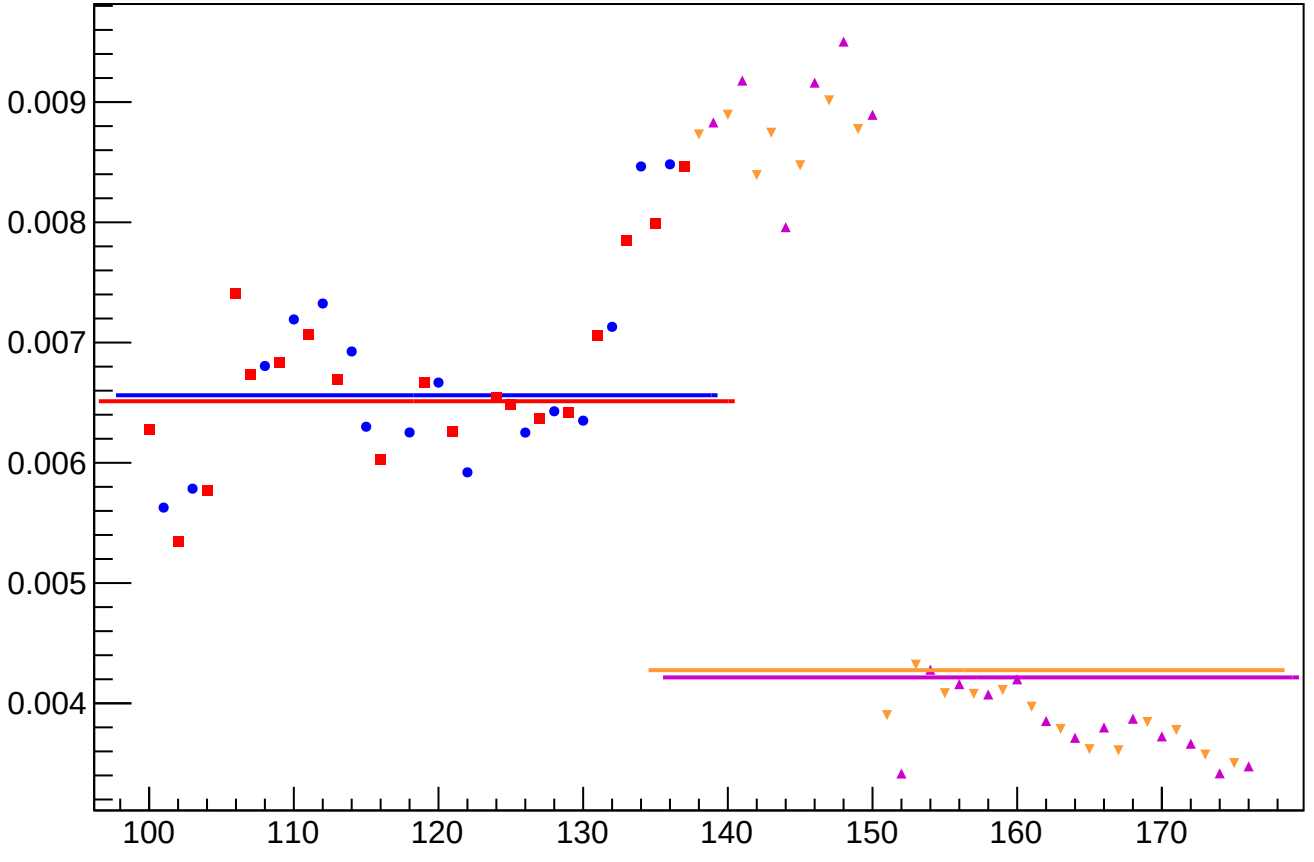
Left In: -1.885+/-0.000 χ^2/NDF:44814380137.8/18

+ sign -1.961+/-0.000 χ^2/NDF: 55759235857.0/35

All: -1.960+/-0.000 χ^2/NDF: 130048094447.9

- sign -1.959+/-0.000 χ^2/NDF: 74285383803.0/37

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3020728.3/19

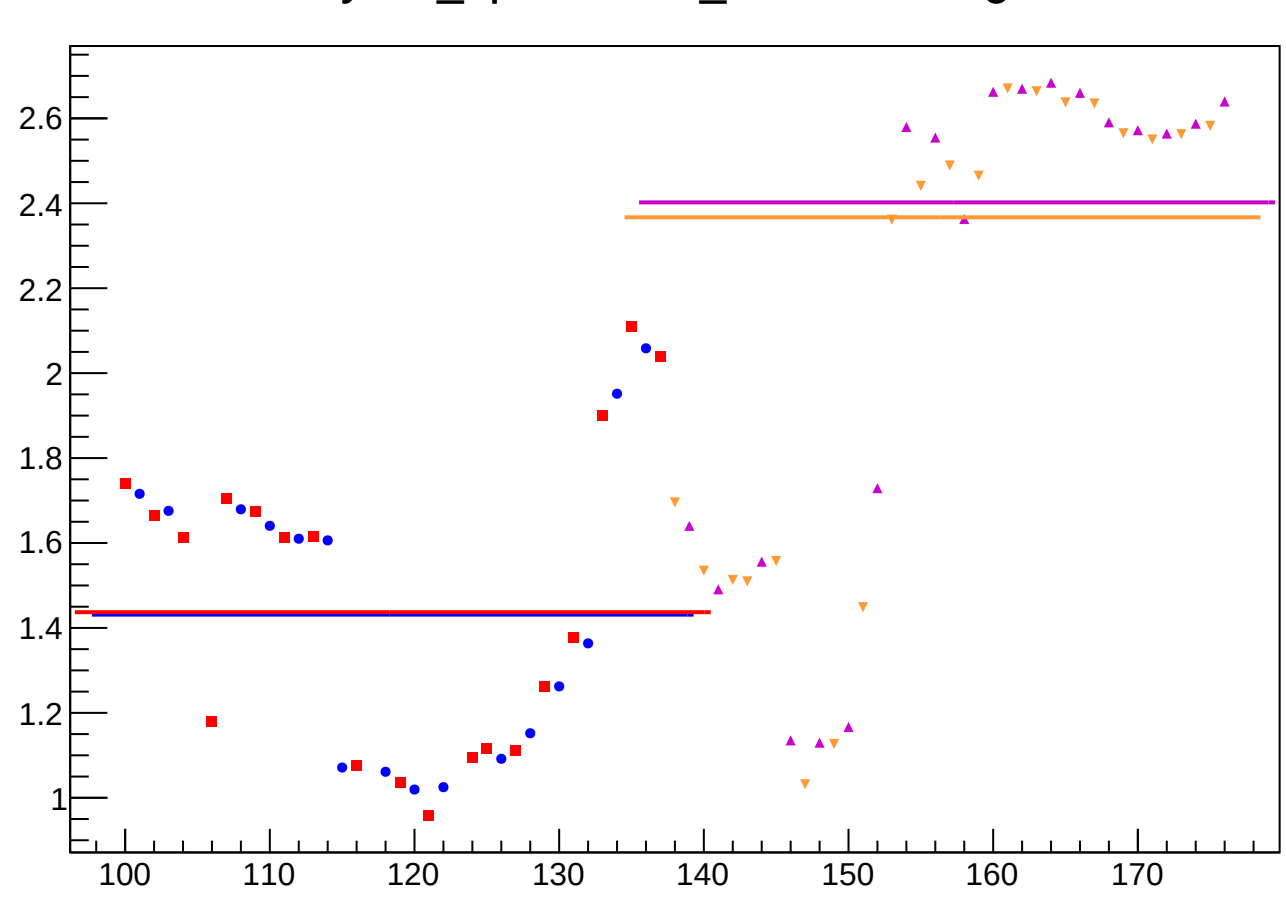
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3141415.4/18

+ sign 0.005+/-0.000 χ^2/NDF: 4627539.9/35

All: 0.005+/-0.000 χ^2/NDF: 9401915.4/73

- sign 0.005+/-0.000 χ^2/NDF: 4772449.2/37



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.367+/-0.000 χ^2/NDF:225243435694.4/19

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

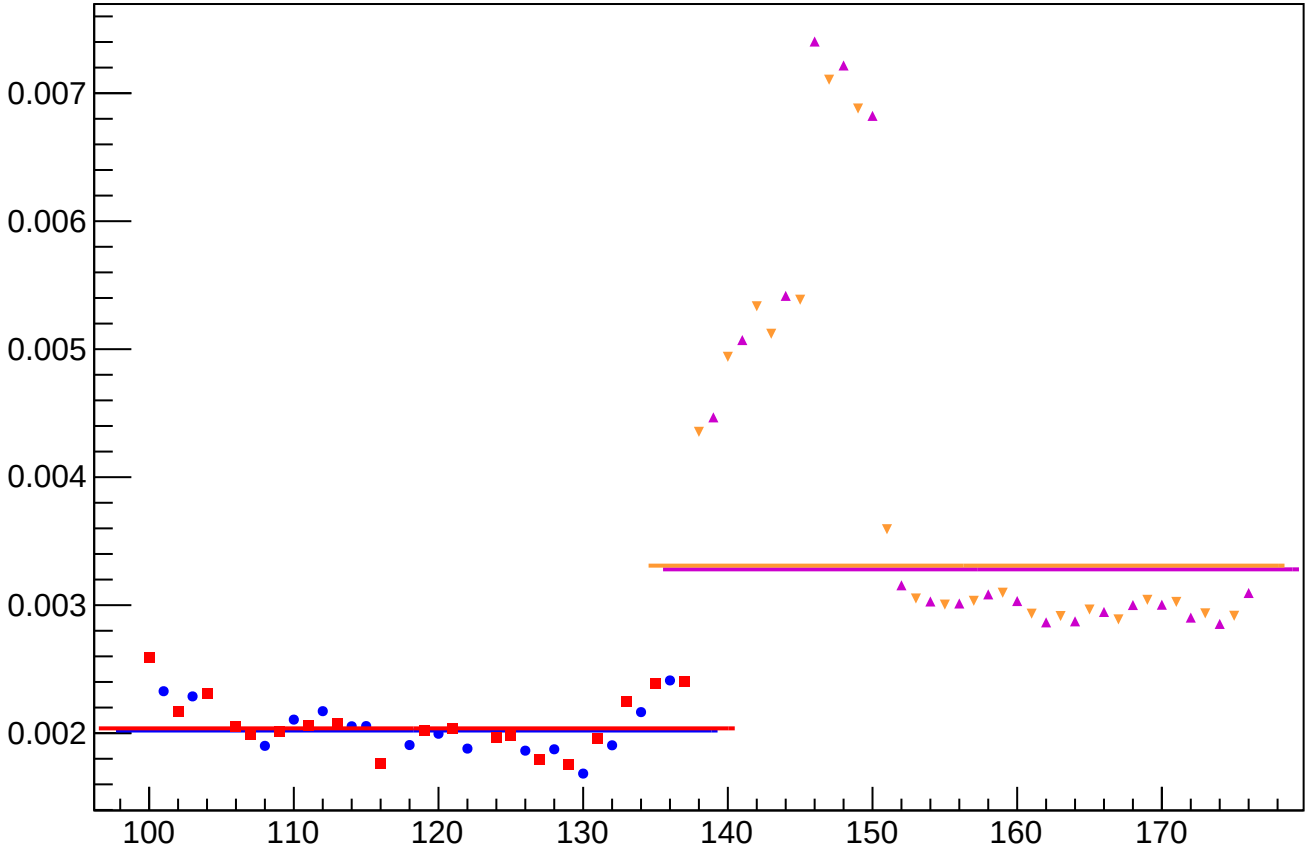
Left In: 2.402+/-0.000 χ^2/NDF:218934897312.2/18

+ sign 1.844+/-0.000 χ^2/NDF: 1041519144955.3/35

All: 1.851+/-0.000 χ^2/NDF: 2106189422695.

- sign 1.858+/-0.000 χ^2/NDF: 1064353982634.2/37

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1767442.5/19

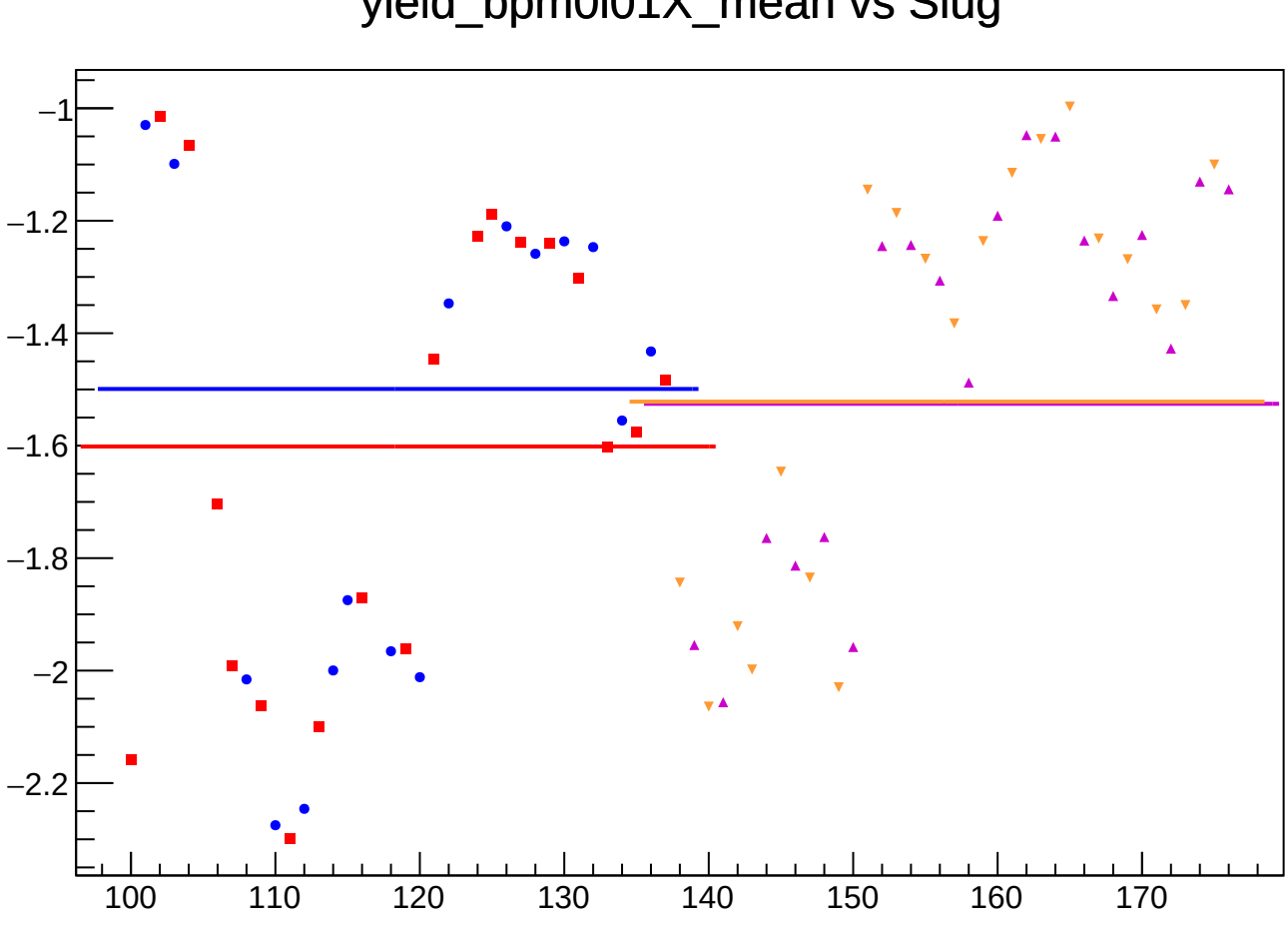
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2017755.9/18

+ sign 0.003+/-0.000 χ^2/NDF: 4300173.7/35

All: 0.003+/-0.000 χ^2/NDF: 8630498.6/73

- sign 0.003+/-0.000 χ^2/NDF: 4330121.7/37



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.522+/-0.000 χ^2/NDF:44656662610.3/19

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

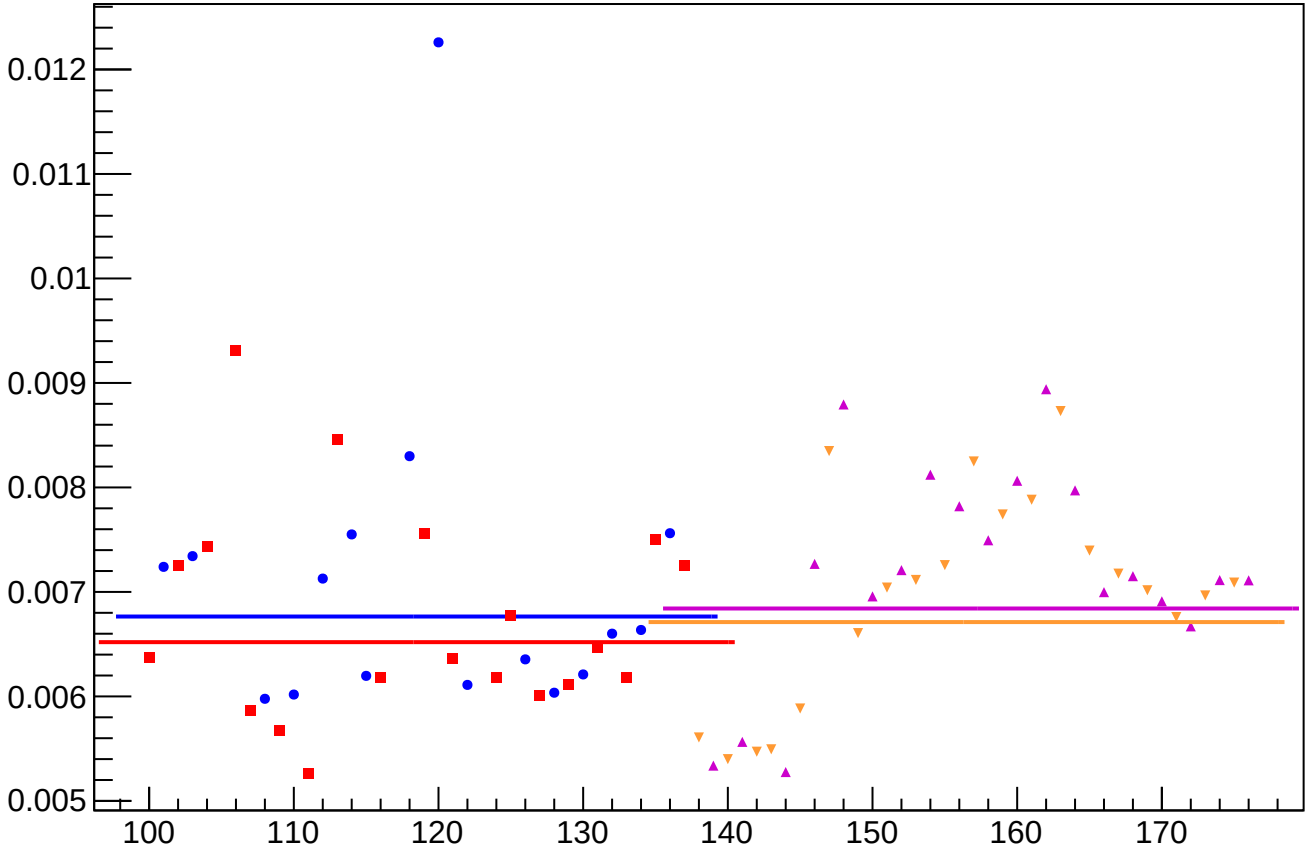
Left In: -1.526+/-0.000 χ^2/NDF:35889014066.9/18

+ sign -1.515+/-0.000 χ^2/NDF: 67636988822.4/35

All: -1.533+/-0.000 χ^2/NDF: 132783314439.5

- sign -1.552+/-0.000 χ^2/NDF: 64825467478.7/37

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:606183.2/19

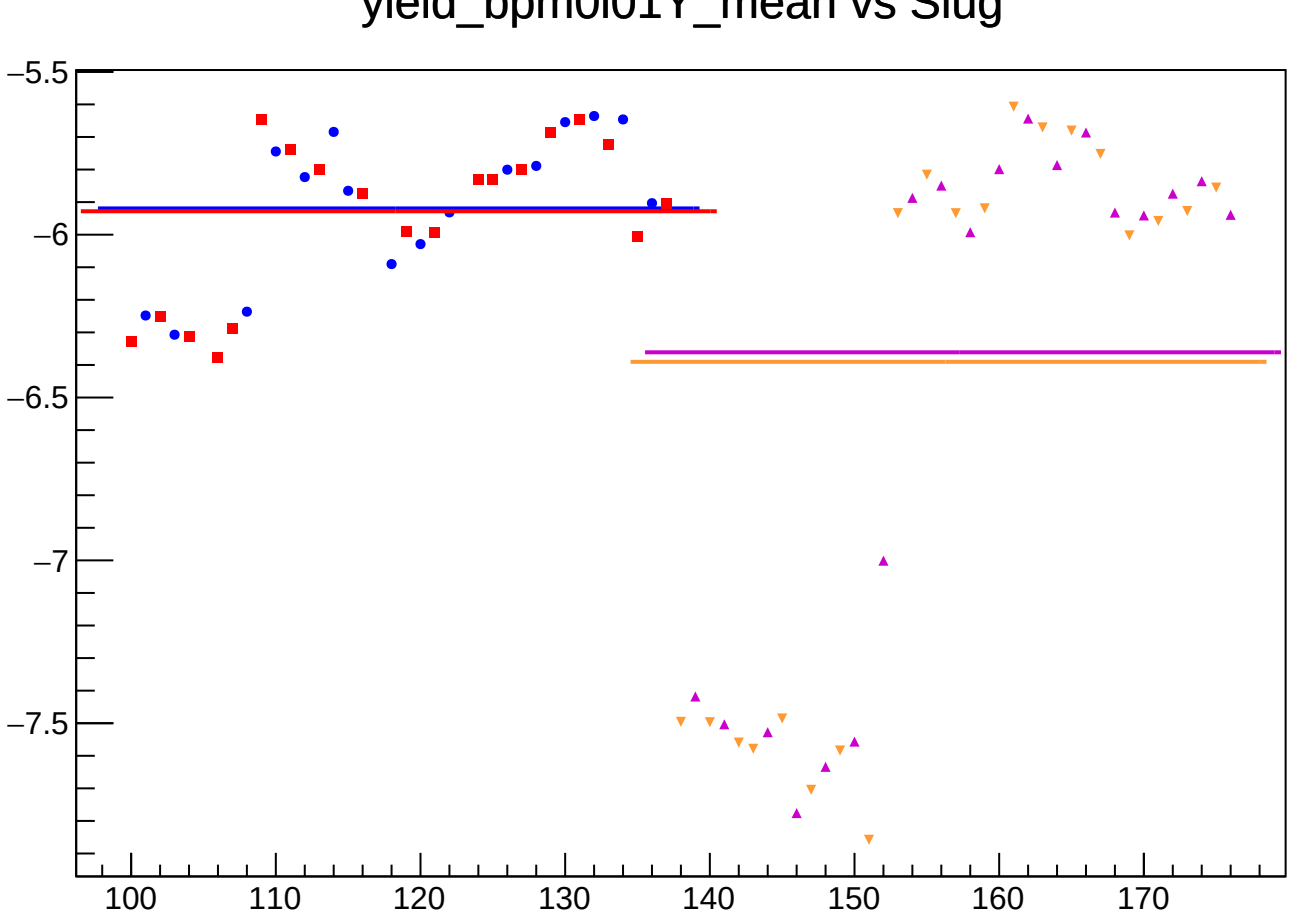
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:684198.9/18

+ sign 0.007+/-0.000 χ^2/NDF: 845307.4/35

All: 0.007+/-0.000 χ^2/NDF: 1796935.3/73

- sign 0.007+/-0.000 χ^2/NDF: 951625.4/37



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.390+/-0.000 χ^2/NDF:106871352208.6/19

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

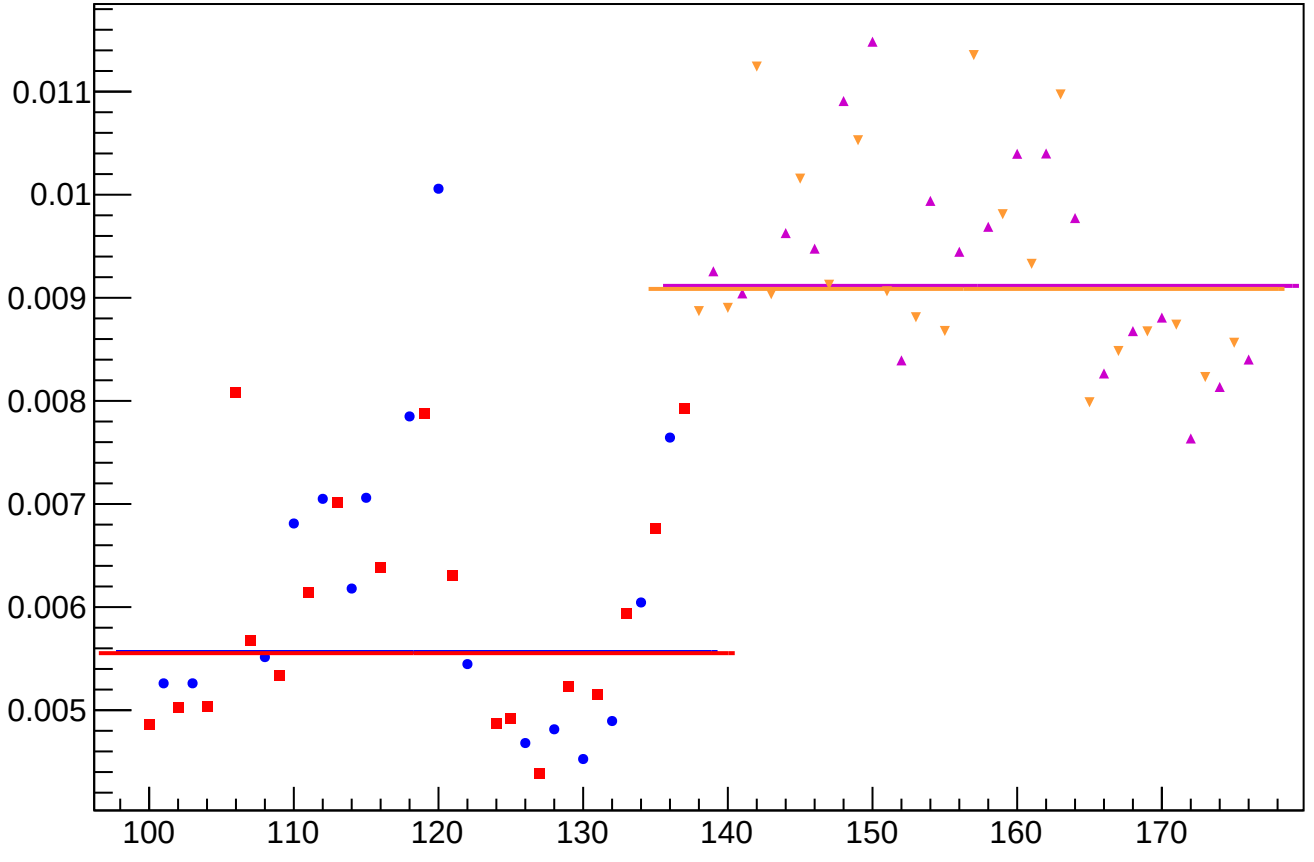
Left In: -6.361+/-0.000 χ^2/NDF:89074675118.9/18

+ sign -6.128+/-0.000 χ^2/NDF: 138068801313.1/35

All: -6.119+/-0.000 χ^2/NDF: 256543320043.5

- sign -6.111+/-0.000 χ^2/NDF: 118425238035.5/37

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:226305.1/19

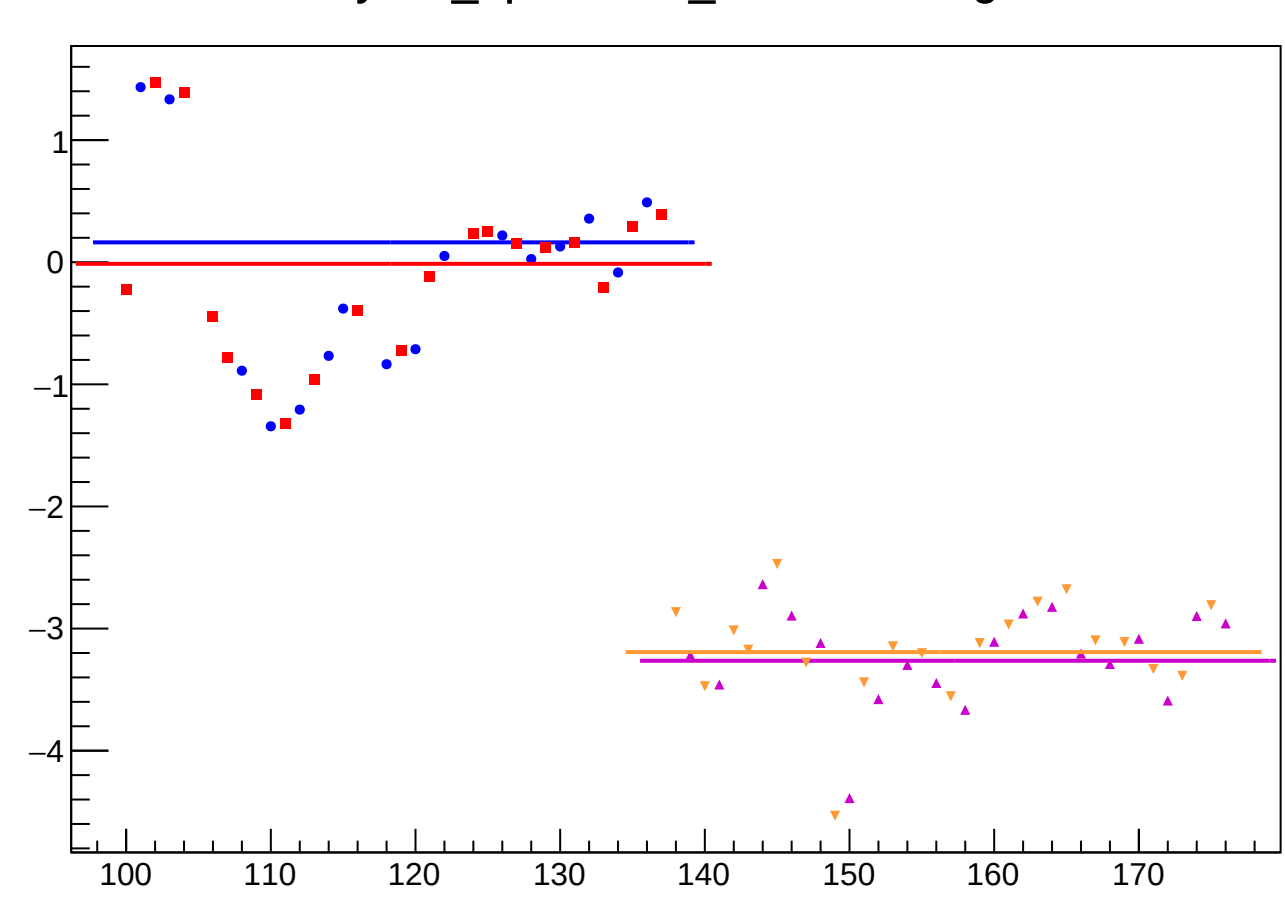
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:283671.2/18

+ sign 0.007+/-0.000 χ^2/NDF: 2897045.0/35

All: 0.007+/-0.000 χ^2/NDF: 5808768.7/73

- sign 0.007+/-0.000 χ^2/NDF: 2910315.6/37



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.193+/-0.000 χ^2/NDF:8733970569.6/19

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

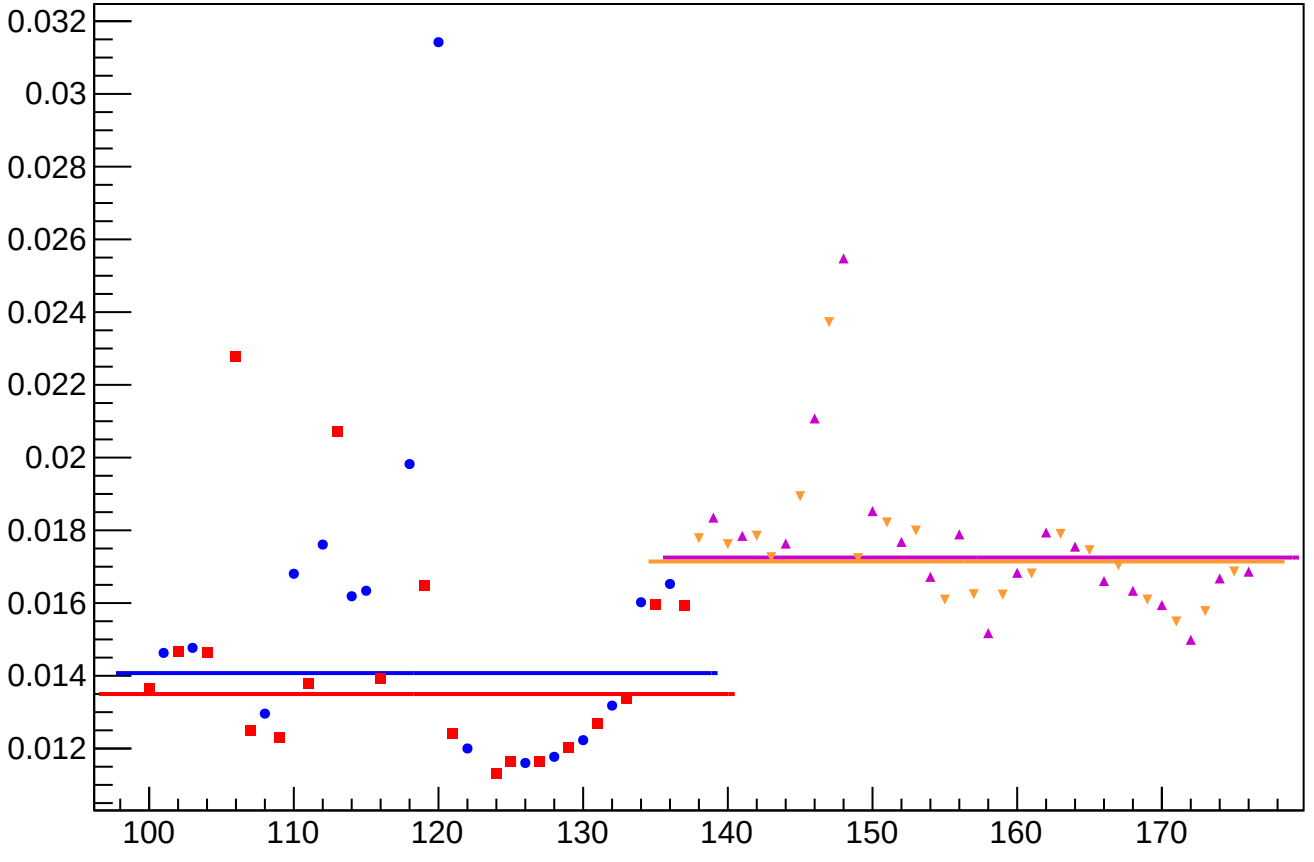
Left In: -3.264+/-0.000 χ^2/NDF:7421180340.5/18

+ sign -1.910+/-0.000 χ^2/NDF: 248116367131.9/35

All: -1.890+/-0.000 χ^2/NDF: 502687277043.5

- sign -1.871+/-0.000 χ^2/NDF: 254505540682.2/37

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:200085.7/19

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

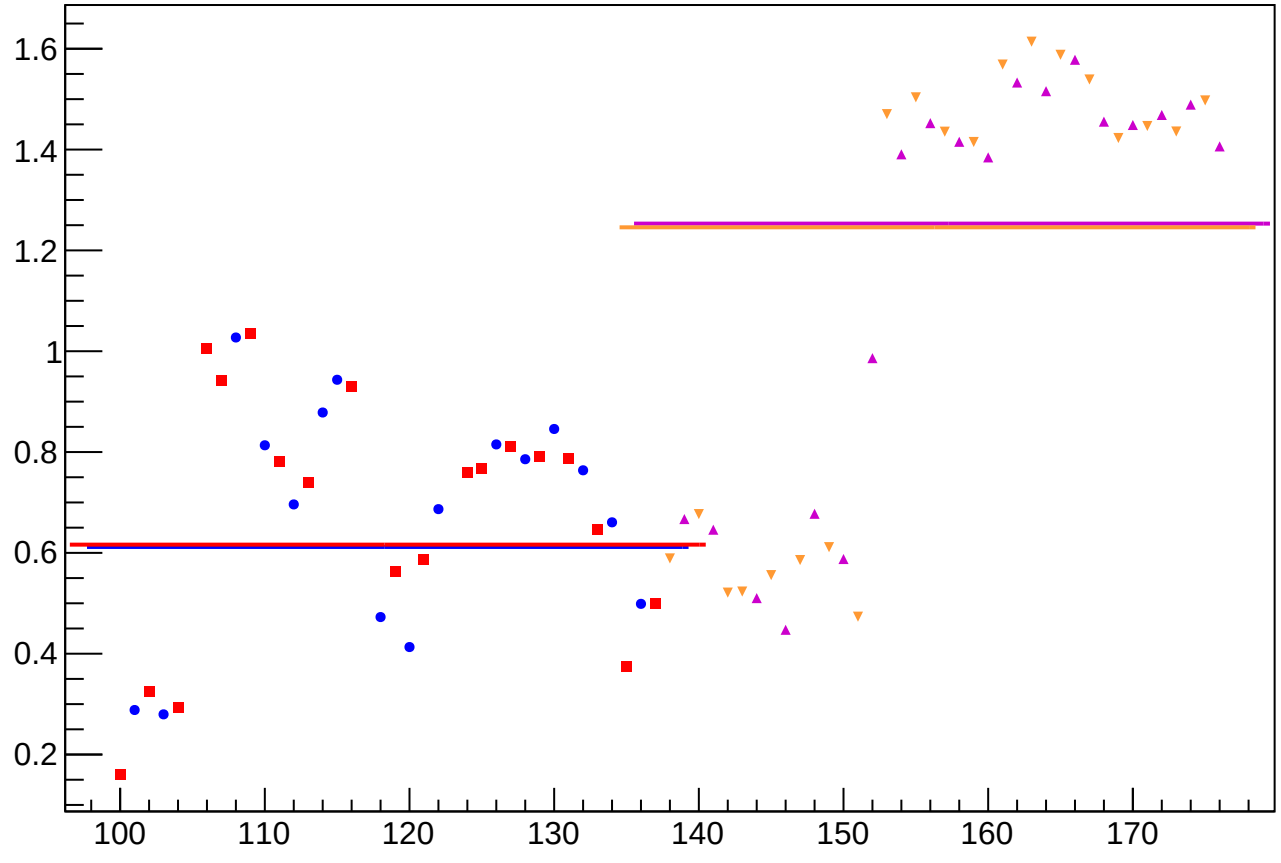
Left In: 0.017+/-0.000 χ^2/NDF:322933.7/18

+ sign 0.016+/-0.000 χ^2/NDF: 1035913.9/35

All: 0.016+/-0.000 χ^2/NDF: 2281438.5/73

- sign 0.016+/-0.000 χ^2/NDF: 1236470.1/37

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.246+/-0.000 χ^2/NDF:44972590970.6/19

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

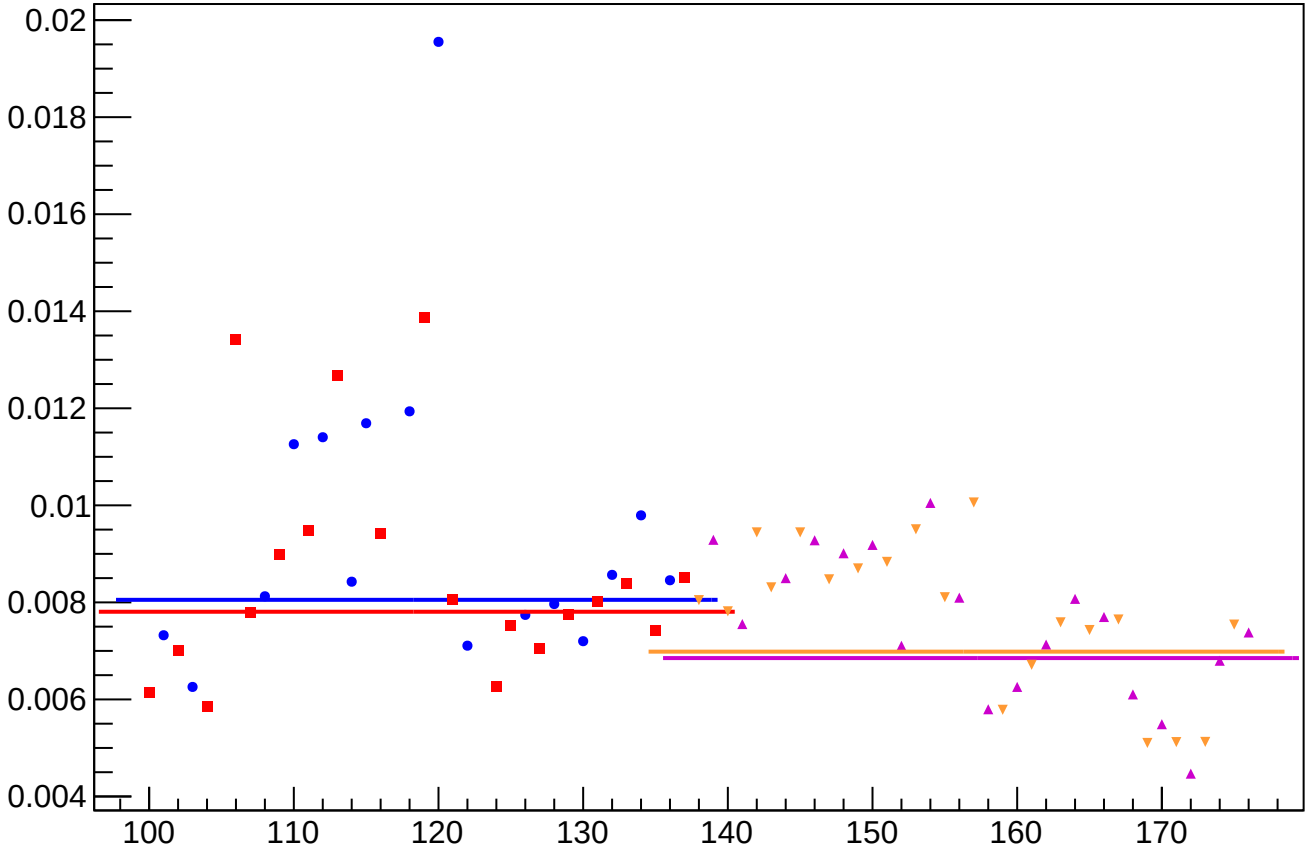
Left In: 1.253+/-0.000 χ^2/NDF:37194318095.8/18

+ sign 1.086+/-0.000 χ^2/NDF: 79020499666.1/35

All: 1.085+/-0.000 χ^2/NDF: 153922223576.7

- sign 1.083+/-0.000 χ^2/NDF: 74900294621.9/37

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:1397656.4/19

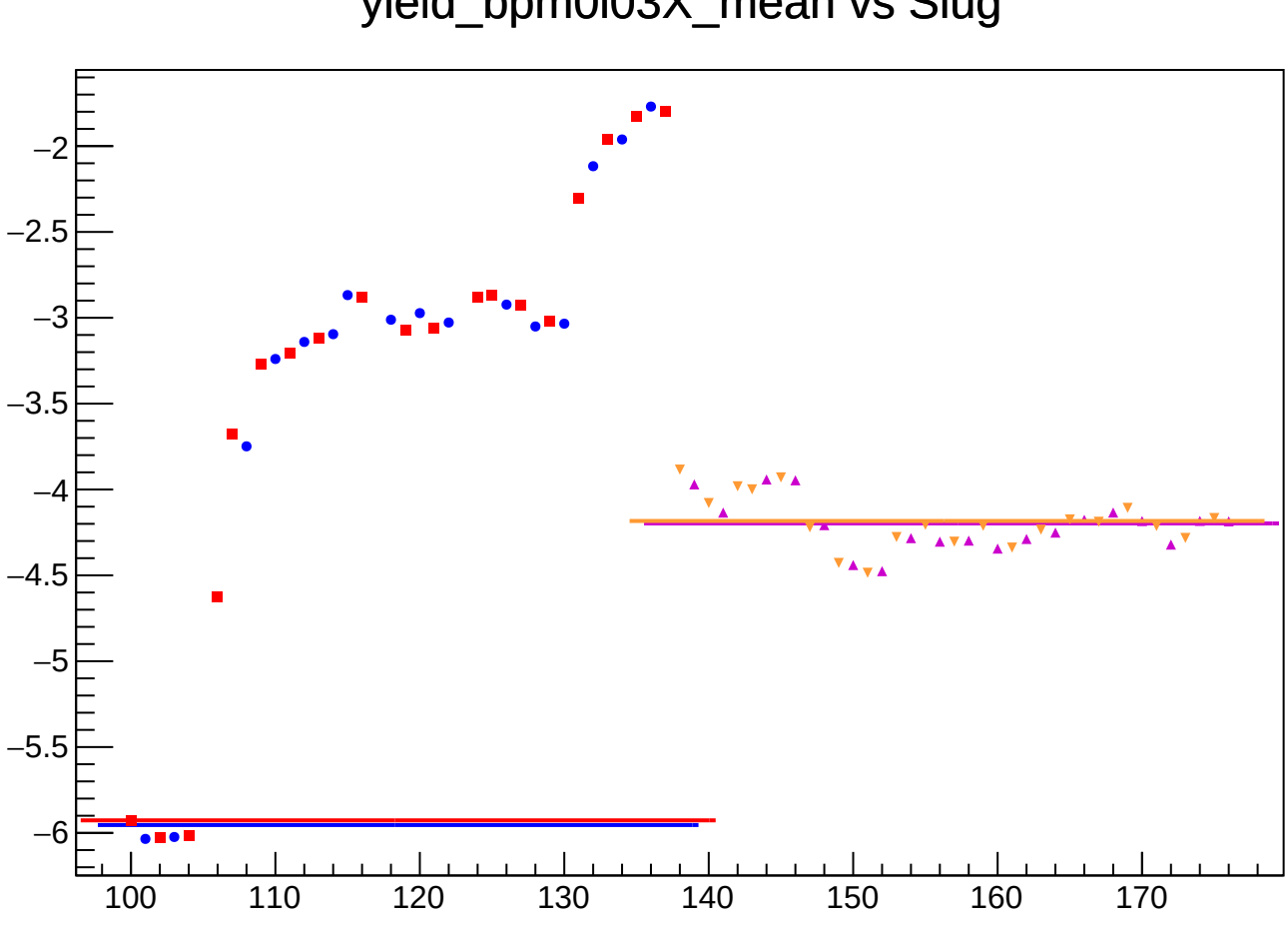
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1369865.3/18

+ sign 0.007+/-0.000 χ^2/NDF: 2157172.9/35

All: 0.007+/-0.000 χ^2/NDF: 4263249.7/73

- sign 0.007+/-0.000 χ^2/NDF: 2097763.3/37



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.183+/-0.000 χ^2/NDF:53866422.6/19

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

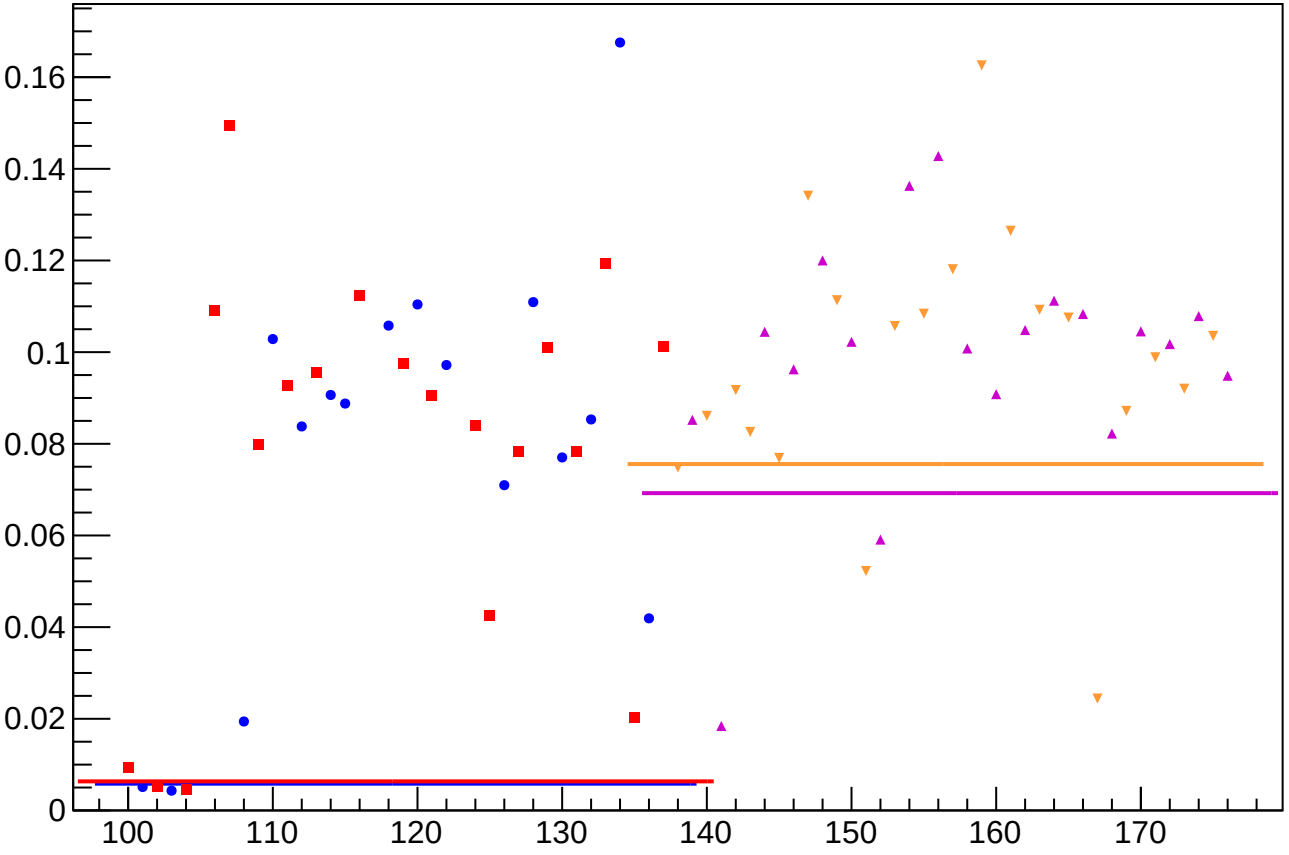
Left In: -4.198+/-0.000 χ^2/NDF:41525311.7/18

+ sign -5.890+/-0.000 χ^2/NDF: 18980532299.0/35

All: -5.872+/-0.000 χ^2/NDF: 38632398277.1/

- sign -5.850+/-0.000 χ^2/NDF: 19612056680.9/37

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.076+/-0.000 χ^2/NDF:4511022.2/19

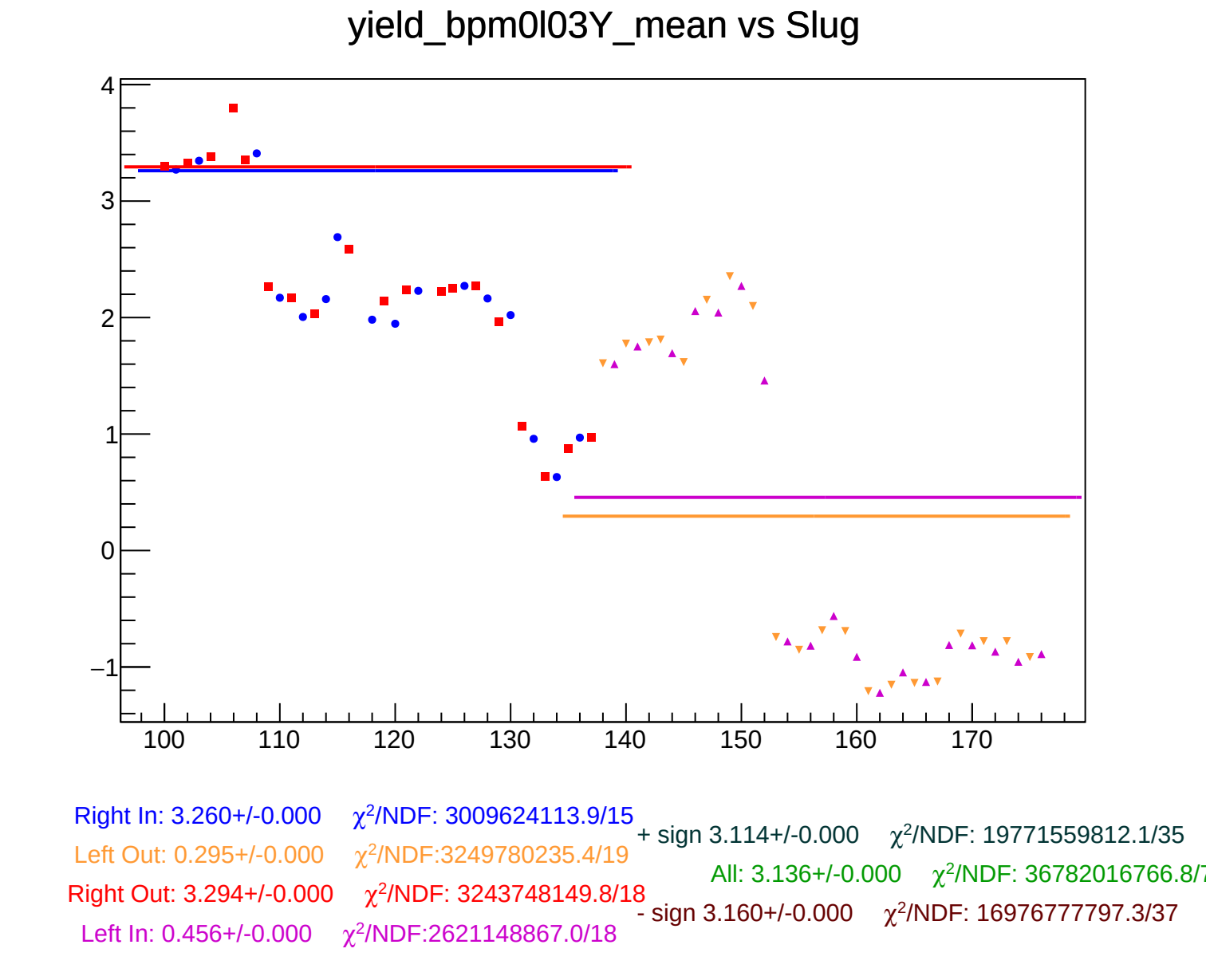
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.069+/-0.000 χ^2/NDF:6371223.3/18

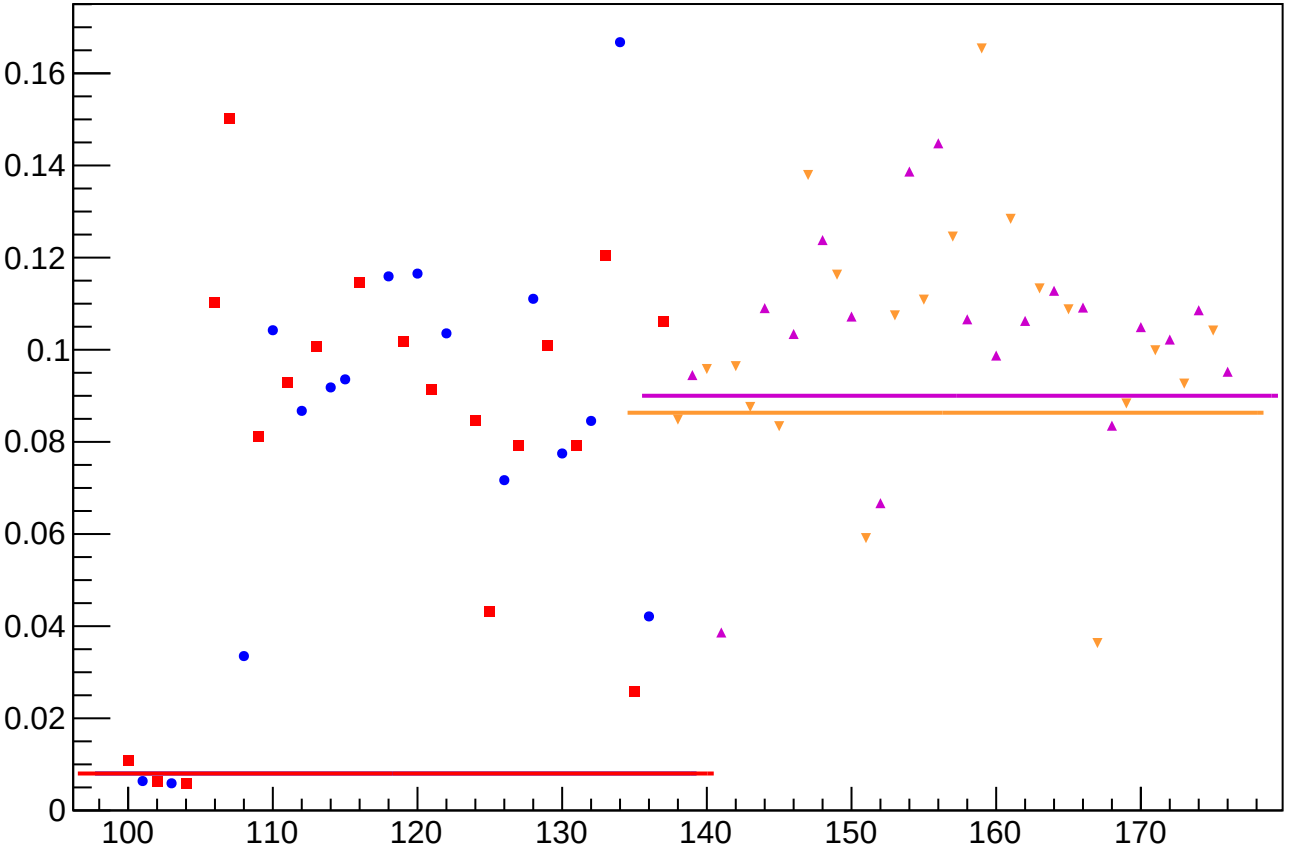
+ sign 0.008+/-0.000 χ^2/NDF: 31286452.8/35

All: 0.009+/-0.000 χ^2/NDF: 61379551.5/73

- sign 0.009+/-0.000 χ^2/NDF: 30062505.0/37


yield_bpm0l03Y_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 3.260+/-0.000 χ²/NDF: 3009624113.9/15
Left Out: 0.295+/-0.000 χ²/NDF:3249780235.4/19
Right Out: 3.294+/-0.000 χ²/NDF: 3243748149.8/18
Left In: 0.456+/-0.000 χ²/NDF:2621148867.0/18
+ sign 3.114+/-0.000 χ²/NDF: 19771559812.1/35
All: 3.136+/-0.000 χ²/NDF: 36782016766.8/7
- sign 3.160+/-0.000 χ²/NDF: 16976777797.3/37

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.086+/-0.000 χ^2/NDF:2840111.6/19

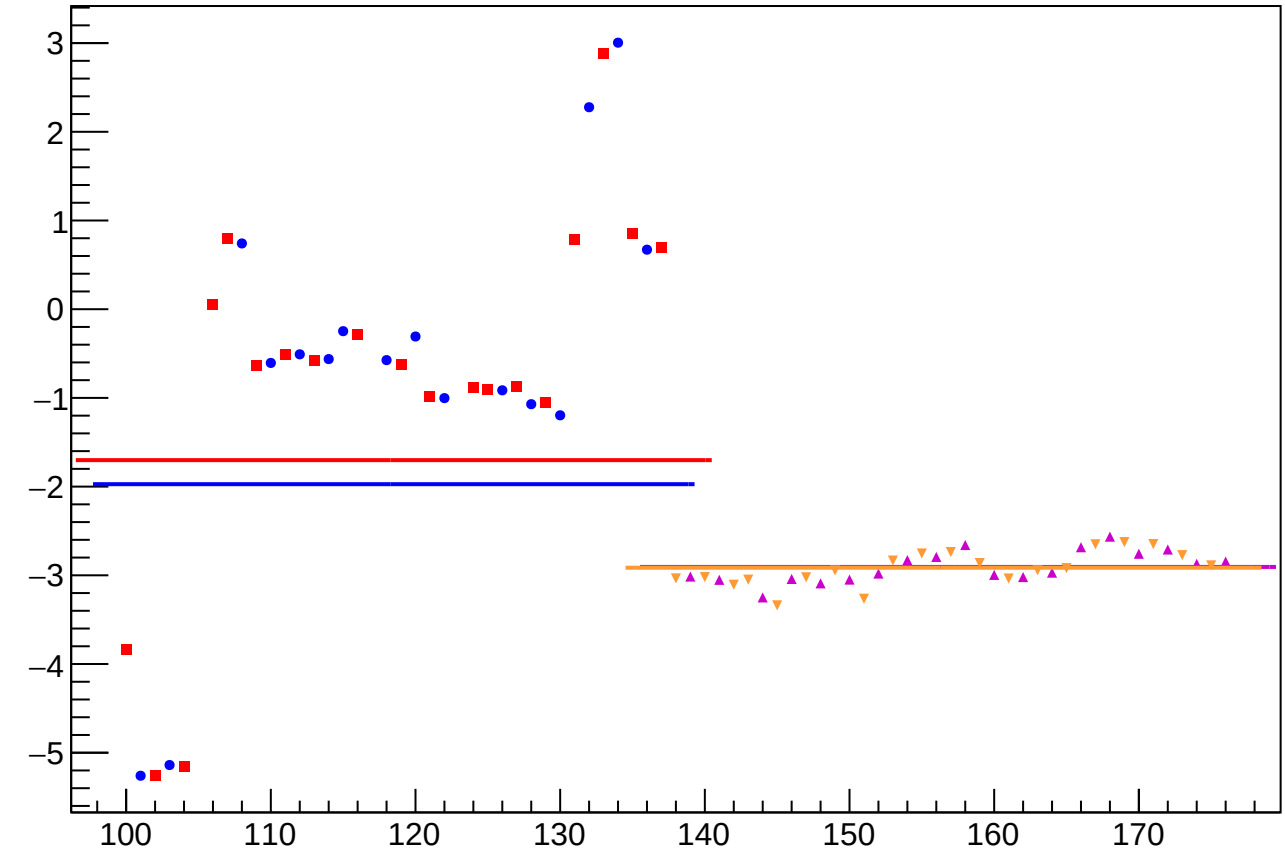
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.090+/-0.000 χ^2/NDF:2368862.3/18

+ sign 0.012+/-0.000 χ^2/NDF: 30095316.5/35

All: 0.012+/-0.000 χ^2/NDF: 59567045.8/73

- sign 0.012+/-0.000 χ^2/NDF: 29471724.8/37



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.914+/-0.000 χ^2/NDF:8845282002.4/19

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

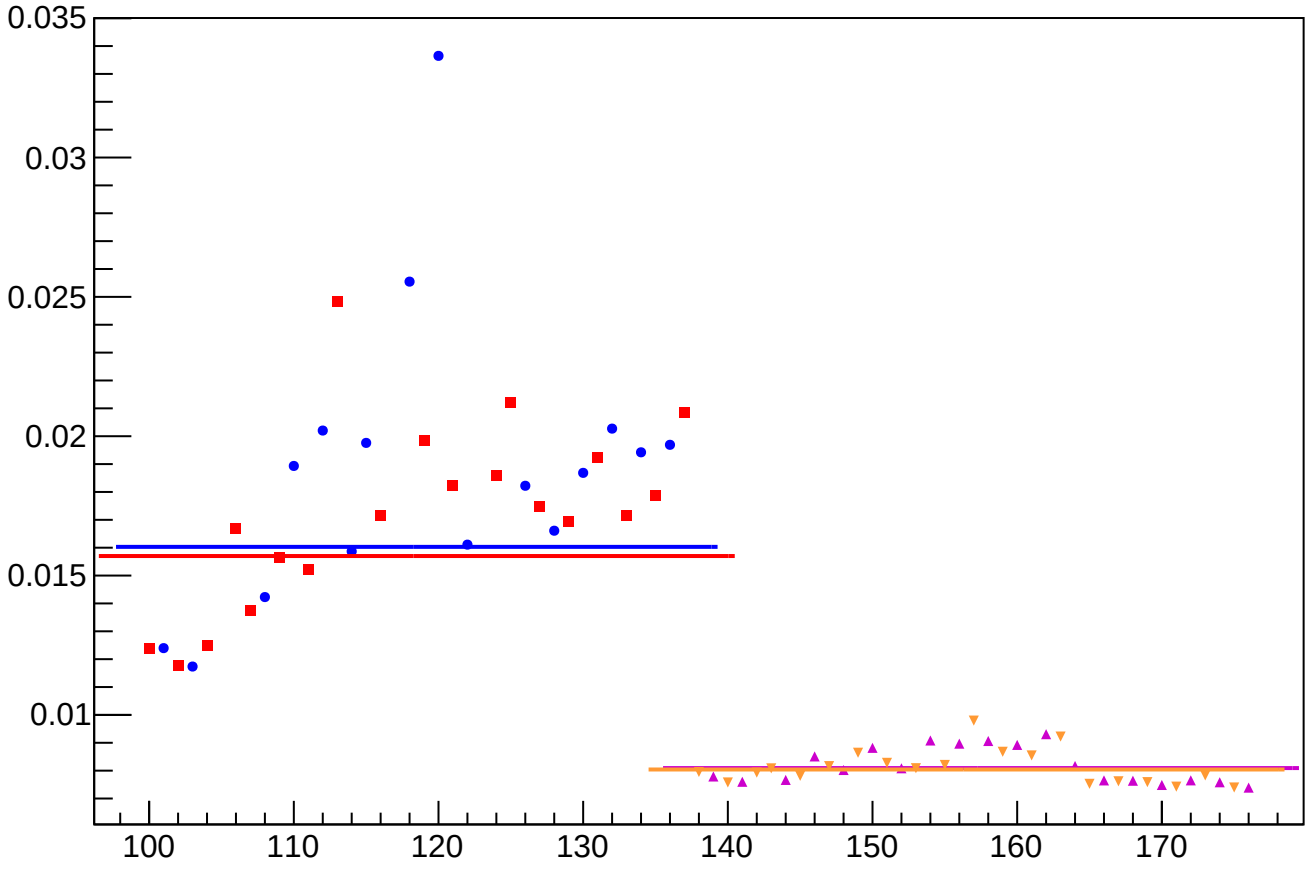
Left In: -2.906+/-0.000 χ^2/NDF:7244721740.9/18

+ sign -2.831+/-0.000 χ^2/NDF: 189130794994.9/35

All: -2.807+/-0.000 χ^2/NDF: 398436275411.4

- sign -2.782+/-0.000 χ^2/NDF: 209000301106.5/37

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:146583.1/19

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

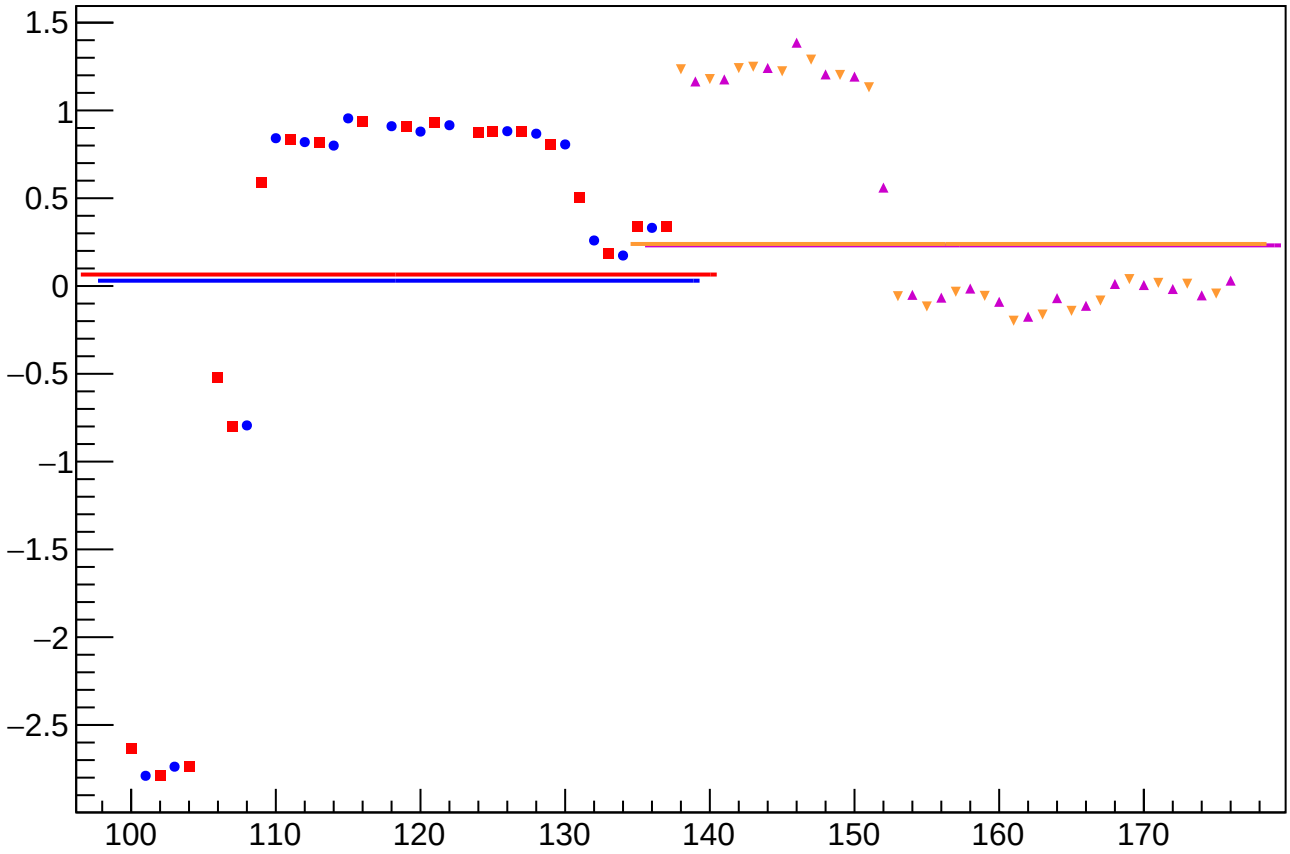
Left In: 0.008+/-0.000 χ^2/NDF:167369.1/18

+ sign 0.009+/-0.000 χ^2/NDF: 3517389.0/35

All: 0.009+/-0.000 χ^2/NDF: 6876819.0/73

- sign 0.009+/-0.000 χ^2/NDF: 3355473.9/37

yield_bpm0l04Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.239+/-0.000 χ^2/NDF:101416680012.7/19

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

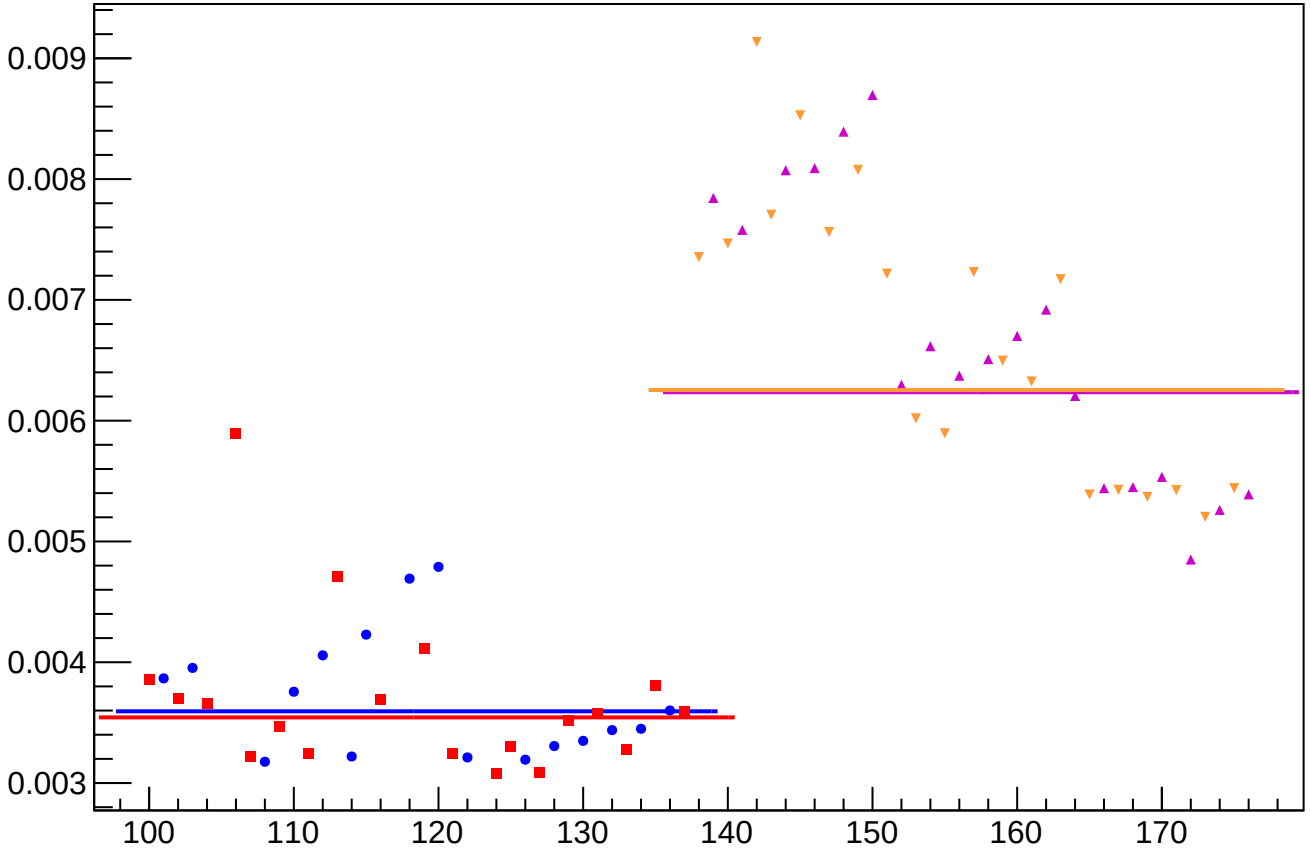
Left In: 0.231+/-0.000 χ^2/NDF:85961349959.6/18

+ sign 0.113+/-0.000 χ^2/NDF: 962160084945.0/35

All: 0.121+/-0.000 χ^2/NDF: 1989537571598.

- sign 0.128+/-0.000 χ^2/NDF: 1027281581422.8/37

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:703401.1/19

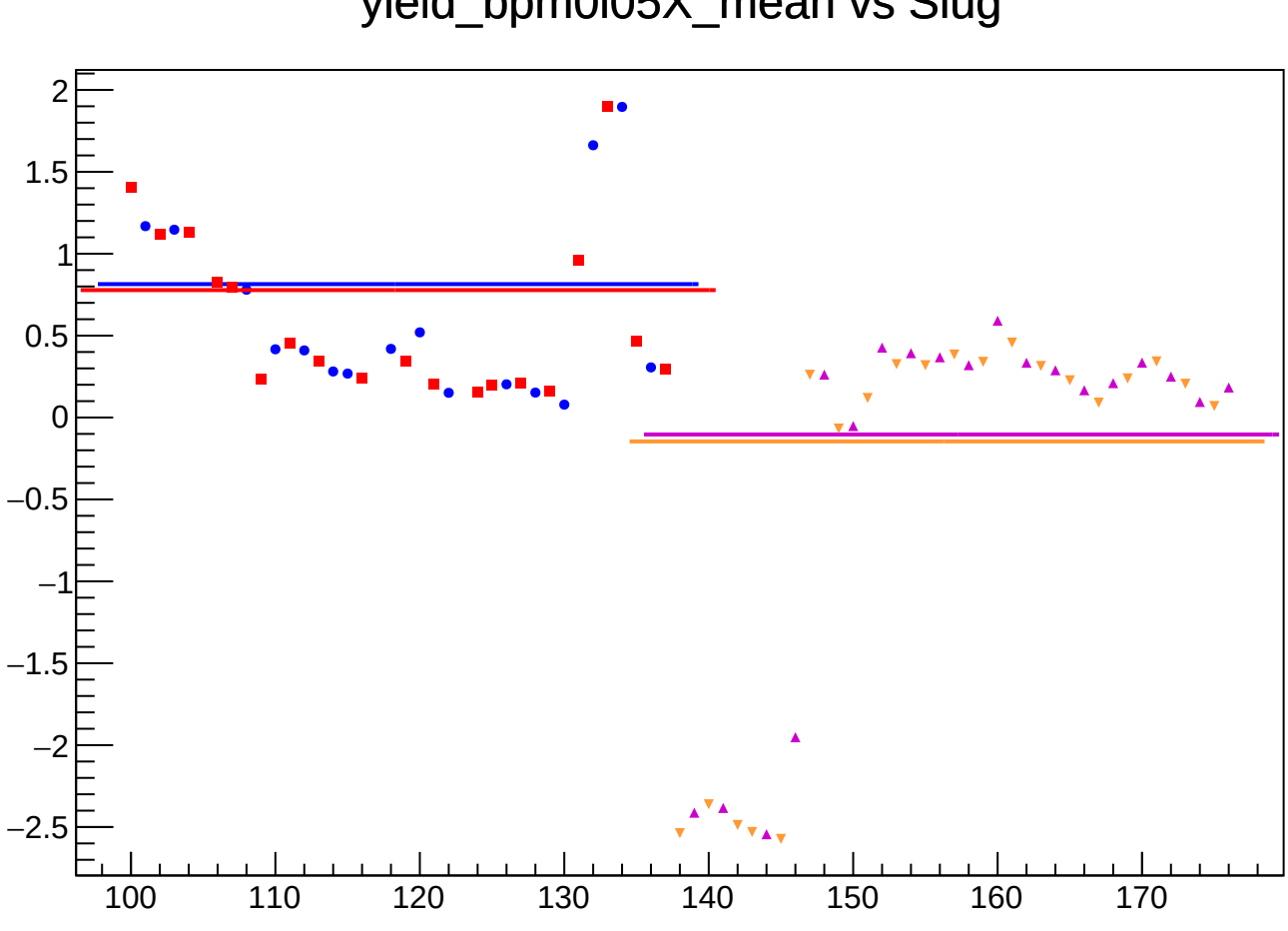
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:791943.8/18

+ sign 0.005+/-0.000 χ^2/NDF: 3813715.6/35

All: 0.005+/-0.000 χ^2/NDF: 7905929.6/73

- sign 0.005+/-0.000 χ^2/NDF: 4085200.3/37



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.146+/-0.000 χ^2/NDF:378724454691.7/19

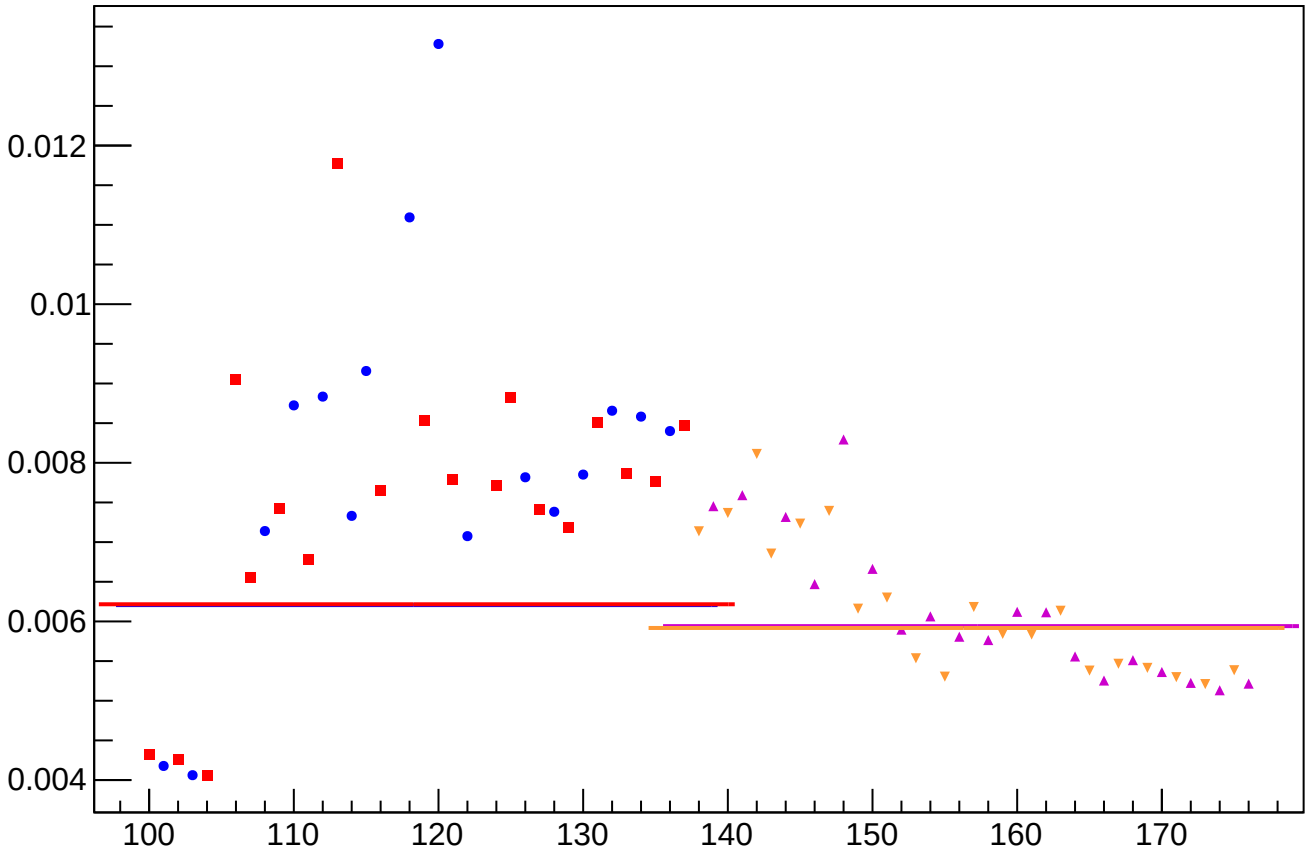
Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.104+/-0.000 χ^2/NDF:341397949217.1/18

+ sign 0.106+/-0.000 χ^2/NDF: 512349258982.3/35

All: 0.125+/-0.000 χ^2/NDF: 975642436513.1

- sign 0.144+/-0.000 χ^2/NDF: 462892739409.8/37



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:415921.9/19

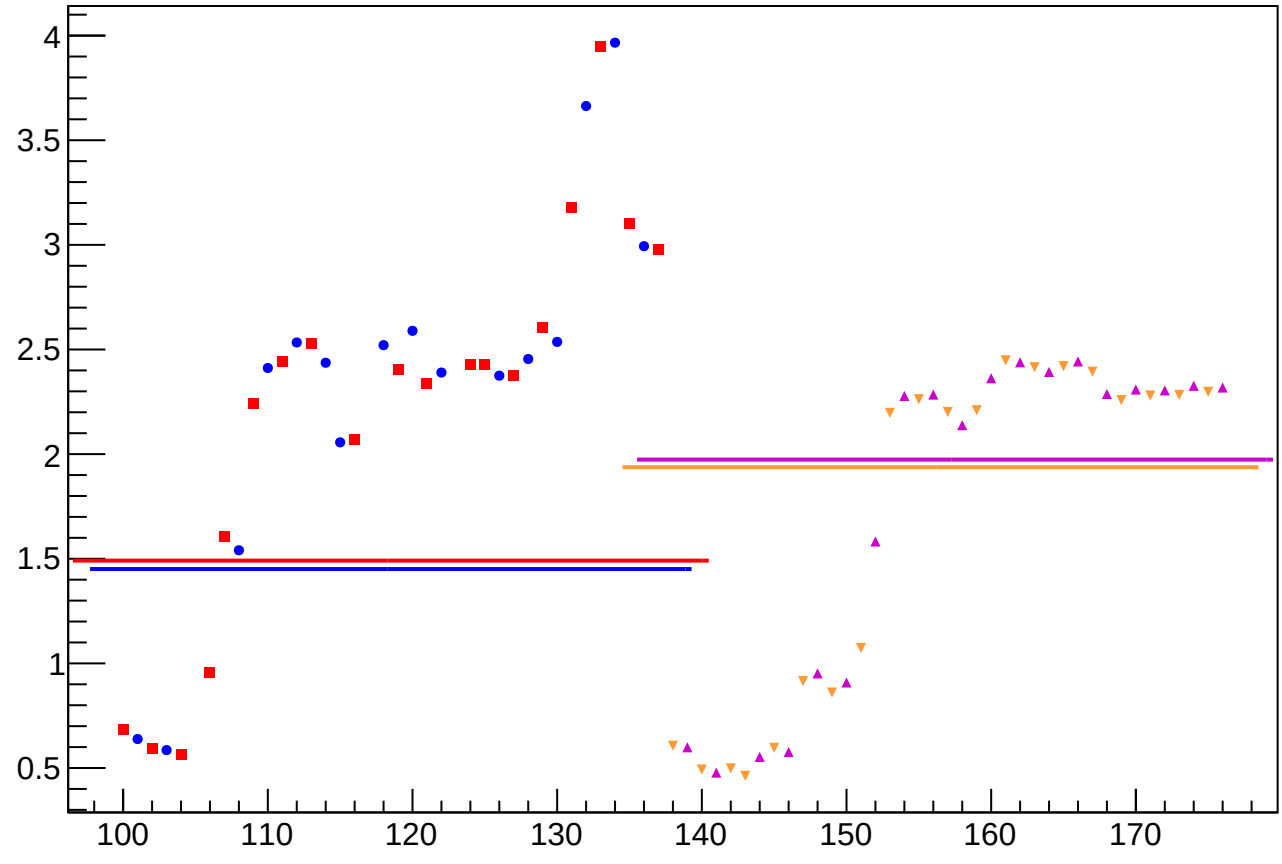
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:489946.8/18

+ sign 0.006+/-0.000 χ^2/NDF: 1857537.6/35

All: 0.006+/-0.000 χ^2/NDF: 3525928.6/73

- sign 0.006+/-0.000 χ^2/NDF: 1668044.6/37



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.937+/-0.000 χ^2/NDF:209308857912.8/19

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

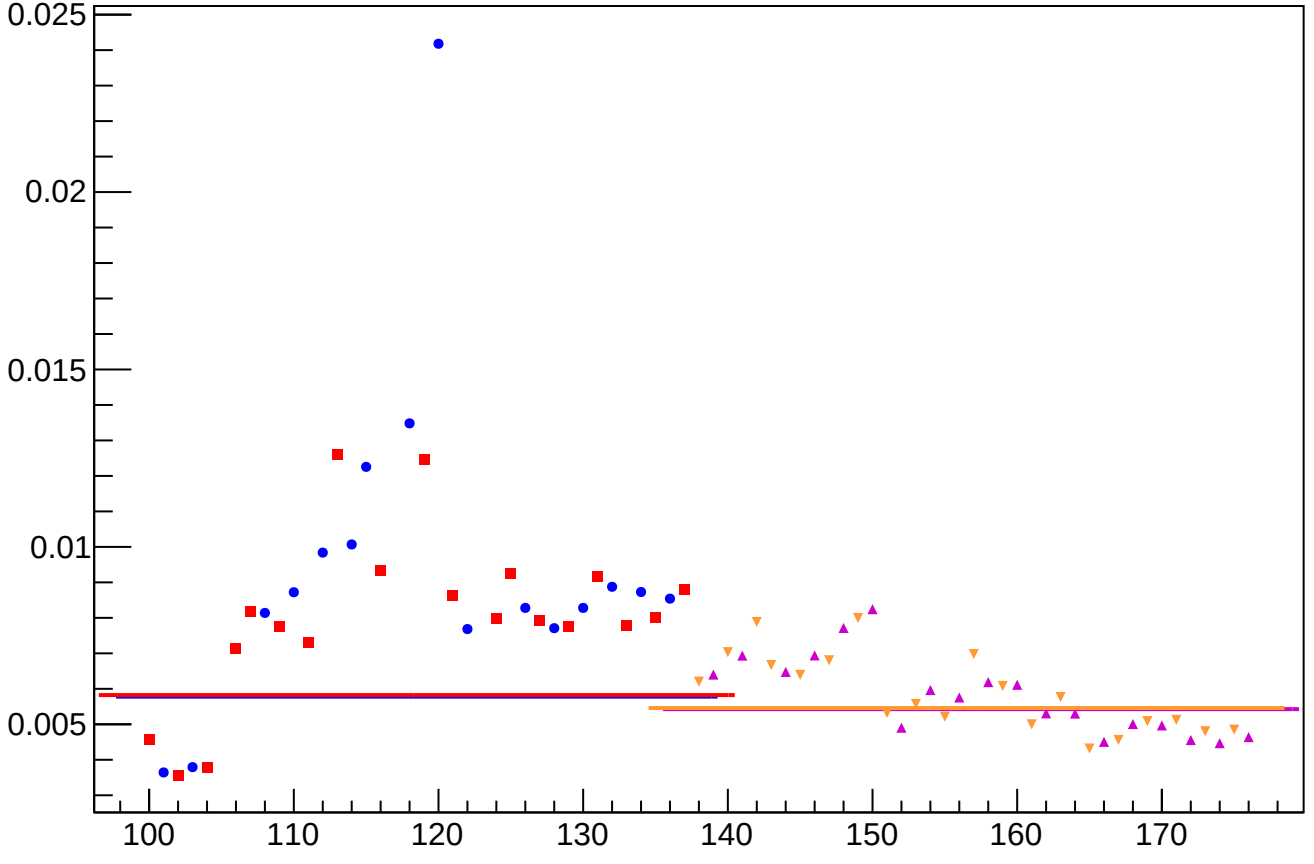
Left In: 1.974+/-0.000 χ^2/NDF:187261729386.7/18

+ sign 1.814+/-0.000 χ^2/NDF: 405420567709.0/35

All: 1.829+/-0.000 χ^2/NDF: 807407511554.1

- sign 1.844+/-0.000 χ^2/NDF: 401717838532.2/37

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:687088.3/19

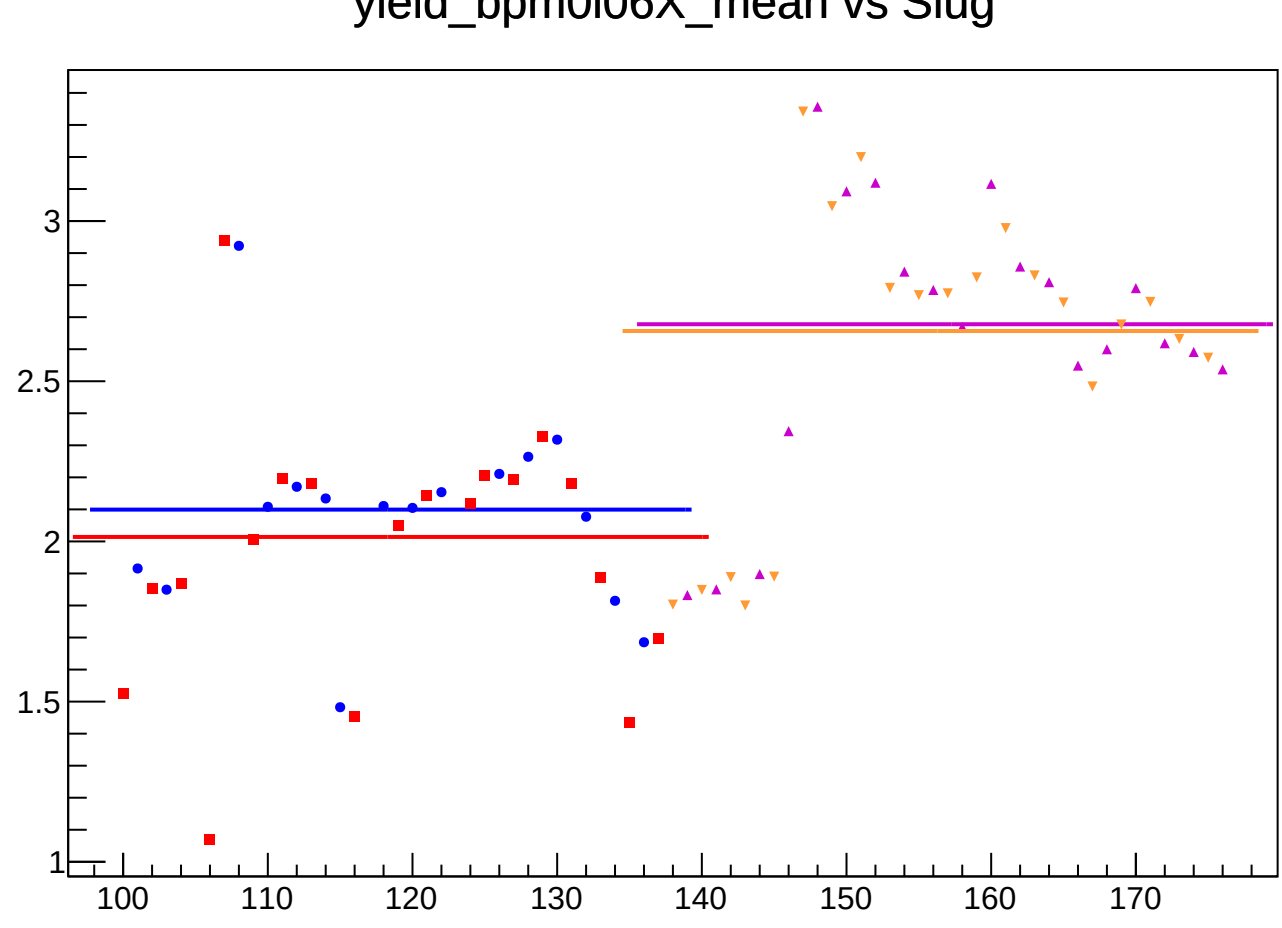
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:781093.2/18

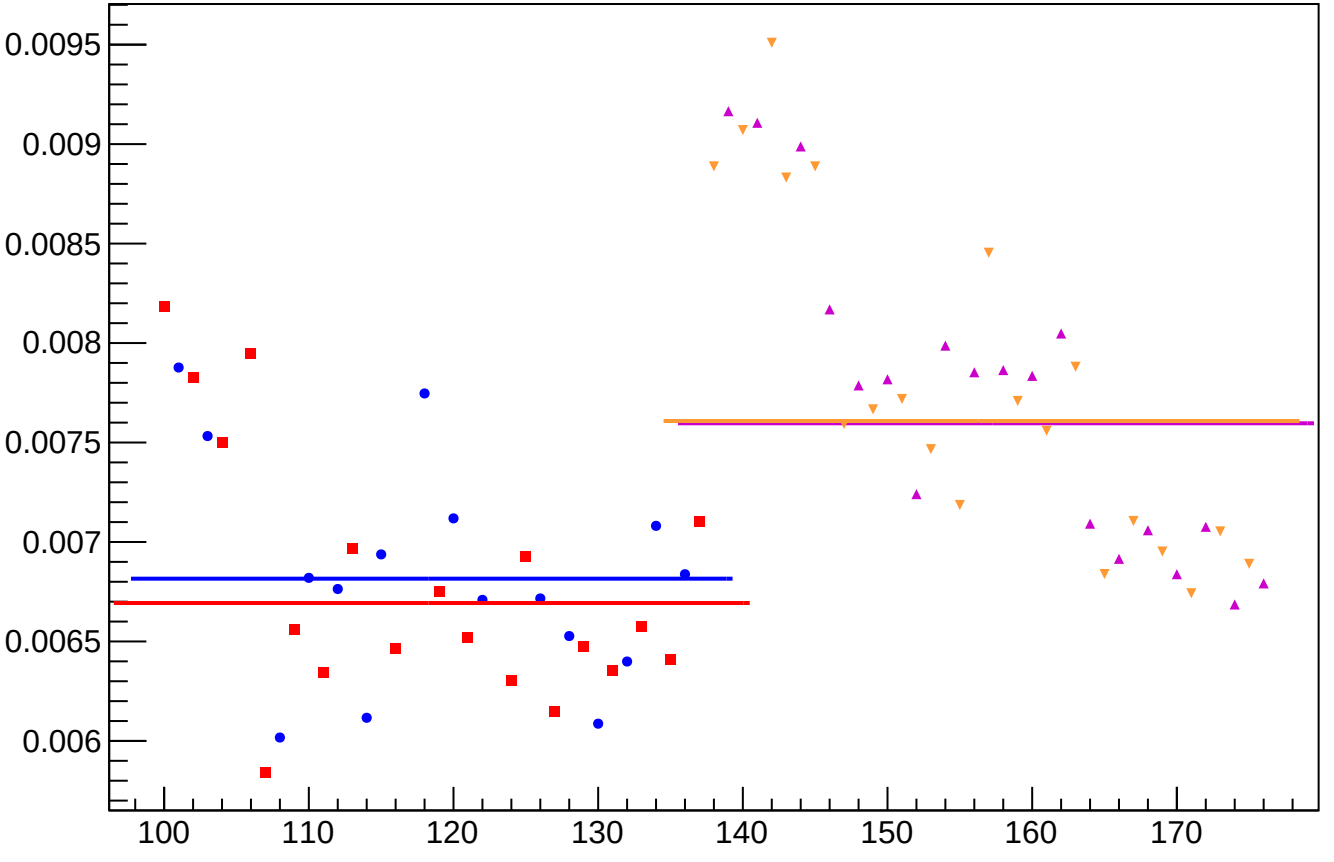
+ sign 0.006+/-0.000 χ^2/NDF: 2924135.0/35

All: 0.006+/-0.000 χ^2/NDF: 5698094.9/73

- sign 0.006+/-0.000 χ^2/NDF: 2773935.9/37


yield_bpm0l06X_mean vs Slug
3
2.5
2
1.5
1
100
110
120
130
140
150
160
170
Right In: 2.099+/-0.000 χ²/NDF: 13928556396.8/15
Left Out: 2.657+/-0.000 χ²/NDF:43676891609.0/19
Right Out: 2.014+/-0.000 χ²/NDF: 19615856596.5/18
Left In: 2.678+/-0.000 χ²/NDF:37331524482.1/18
+ sign 2.454+/-0.000 χ²/NDF: 86630612204.3/35
All: 2.437+/-0.000 χ²/NDF: 186944569664.2
- sign 2.422+/-0.000 χ²/NDF: 100108207711.8/37

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:274870.6/19

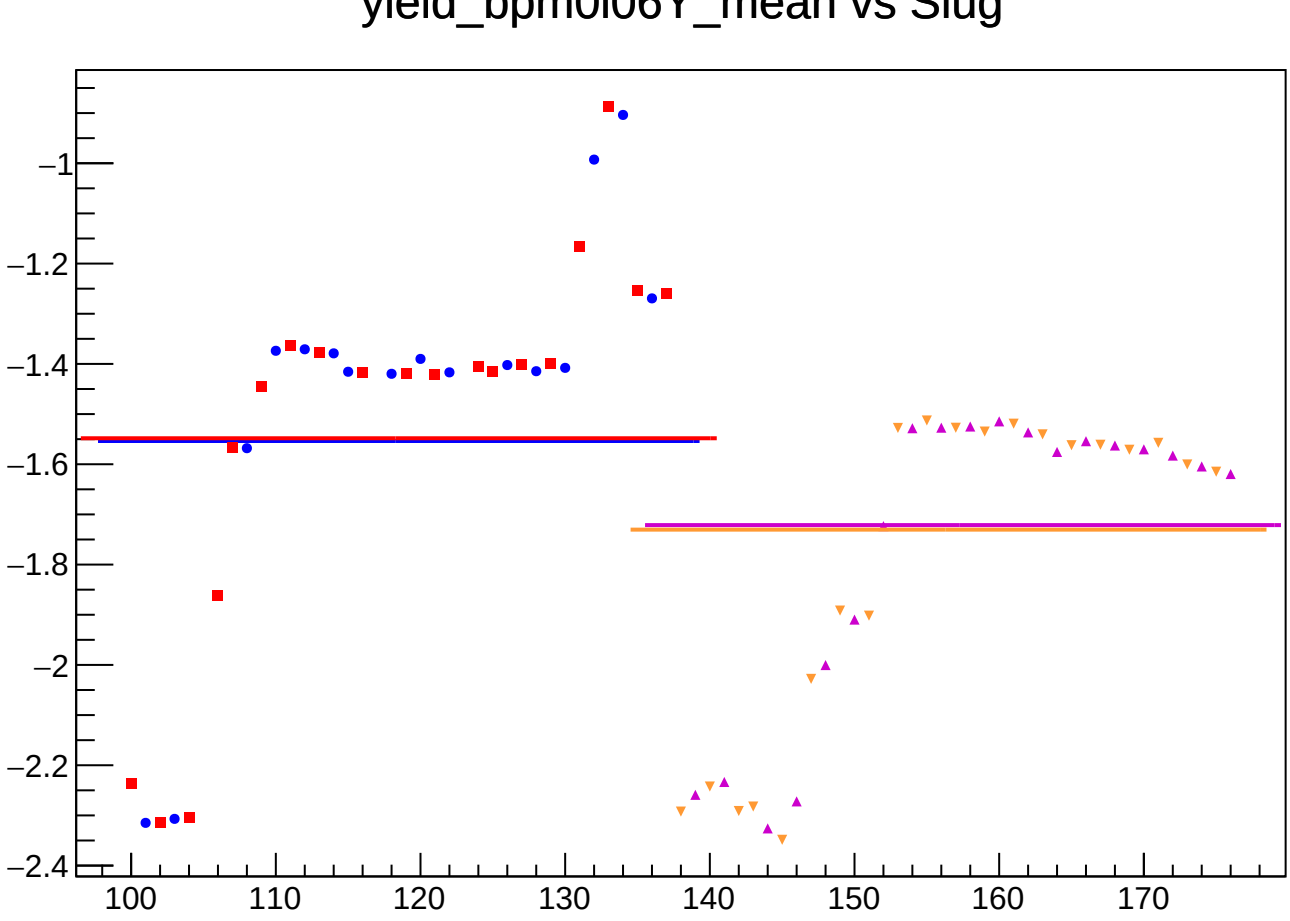
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:264681.5/18

+ sign 0.007+/-0.000 χ^2/NDF: 478981.6/35

All: 0.007+/-0.000 χ^2/NDF: 993440.5/73

- sign 0.007+/-0.000 χ^2/NDF: 512401.4/37



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.730+/-0.000 χ^2/NDF:147381548169.0/19

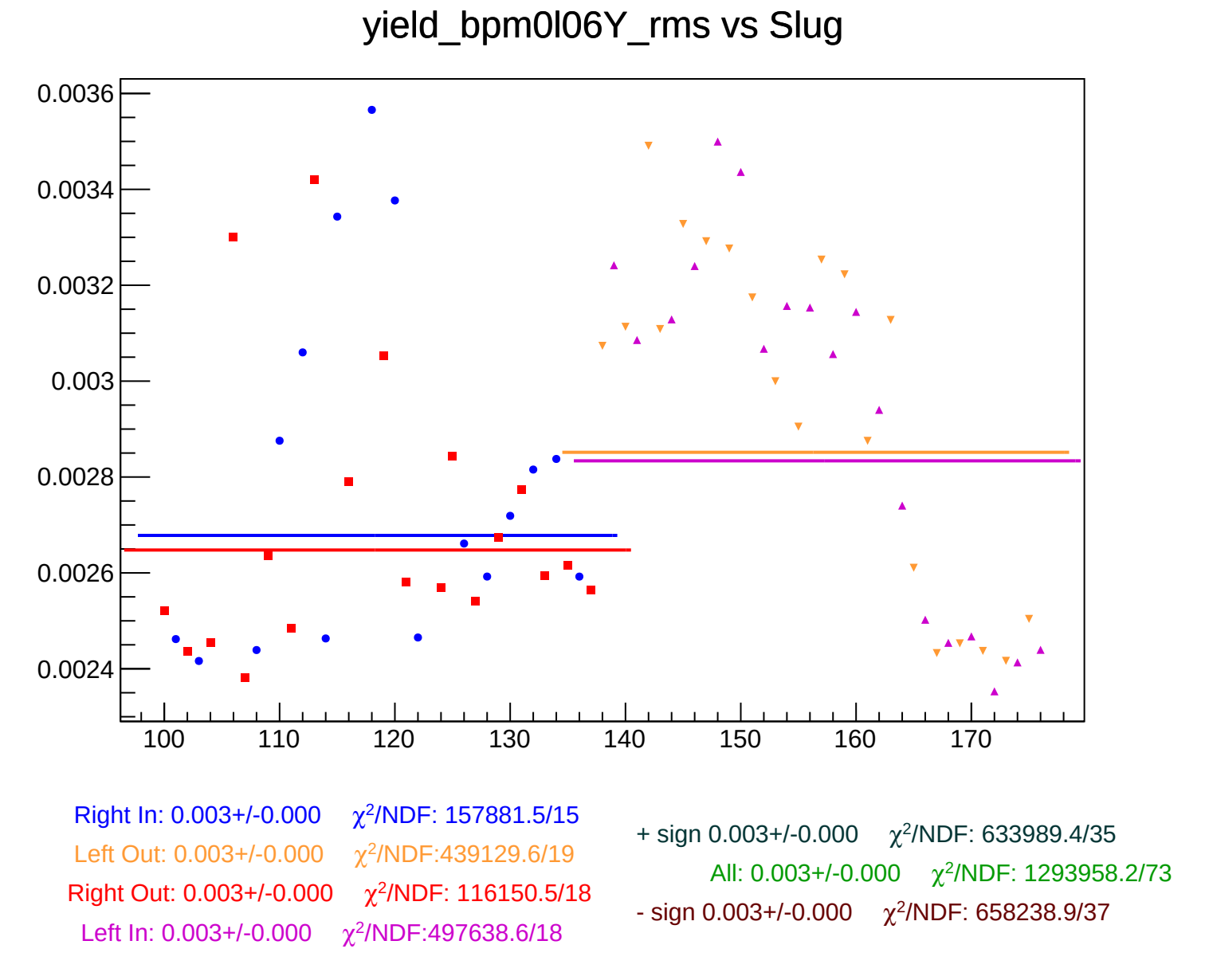
Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

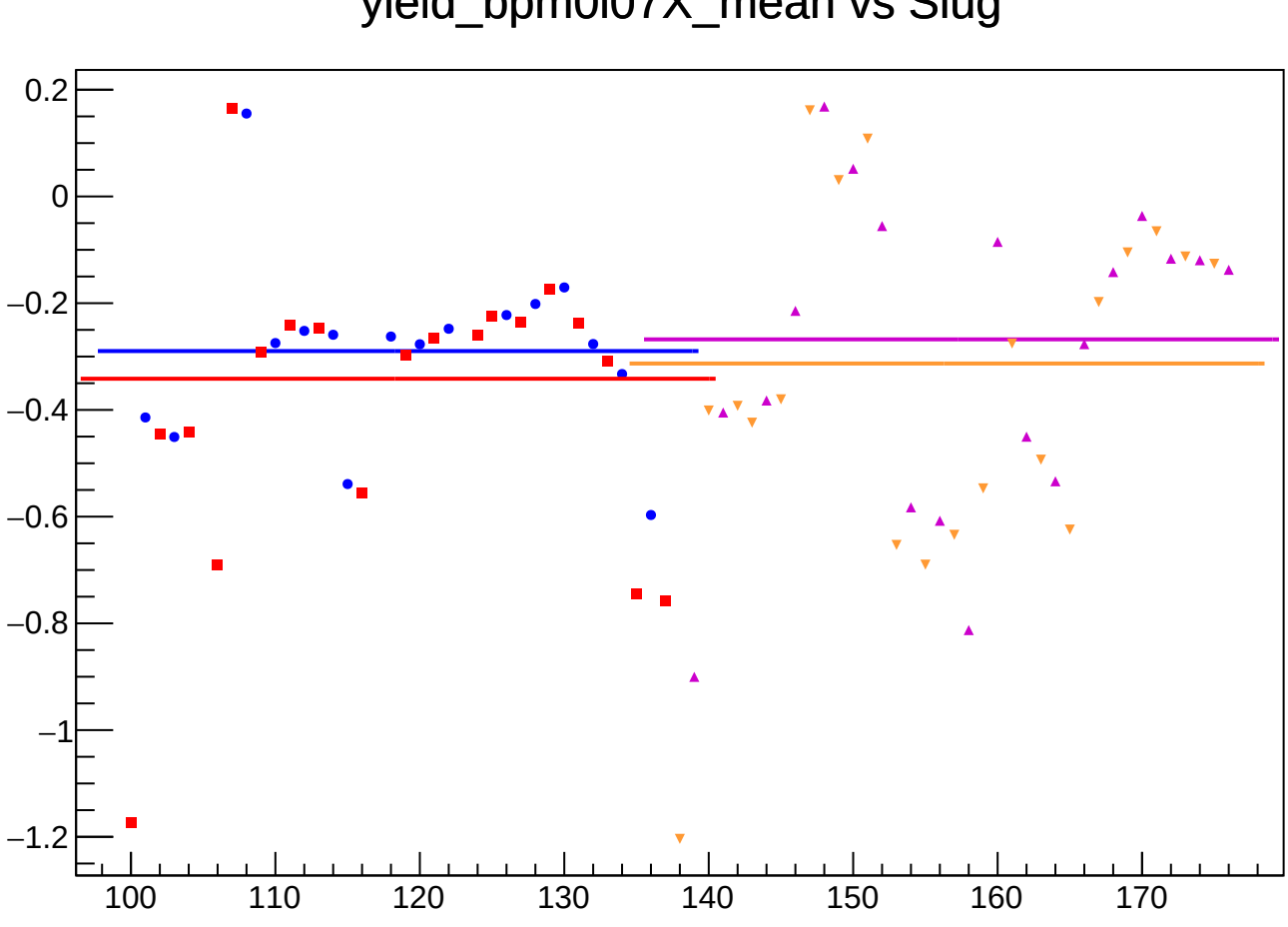
Left In: -1.721+/-0.000 χ^2/NDF:133984376037.9/18

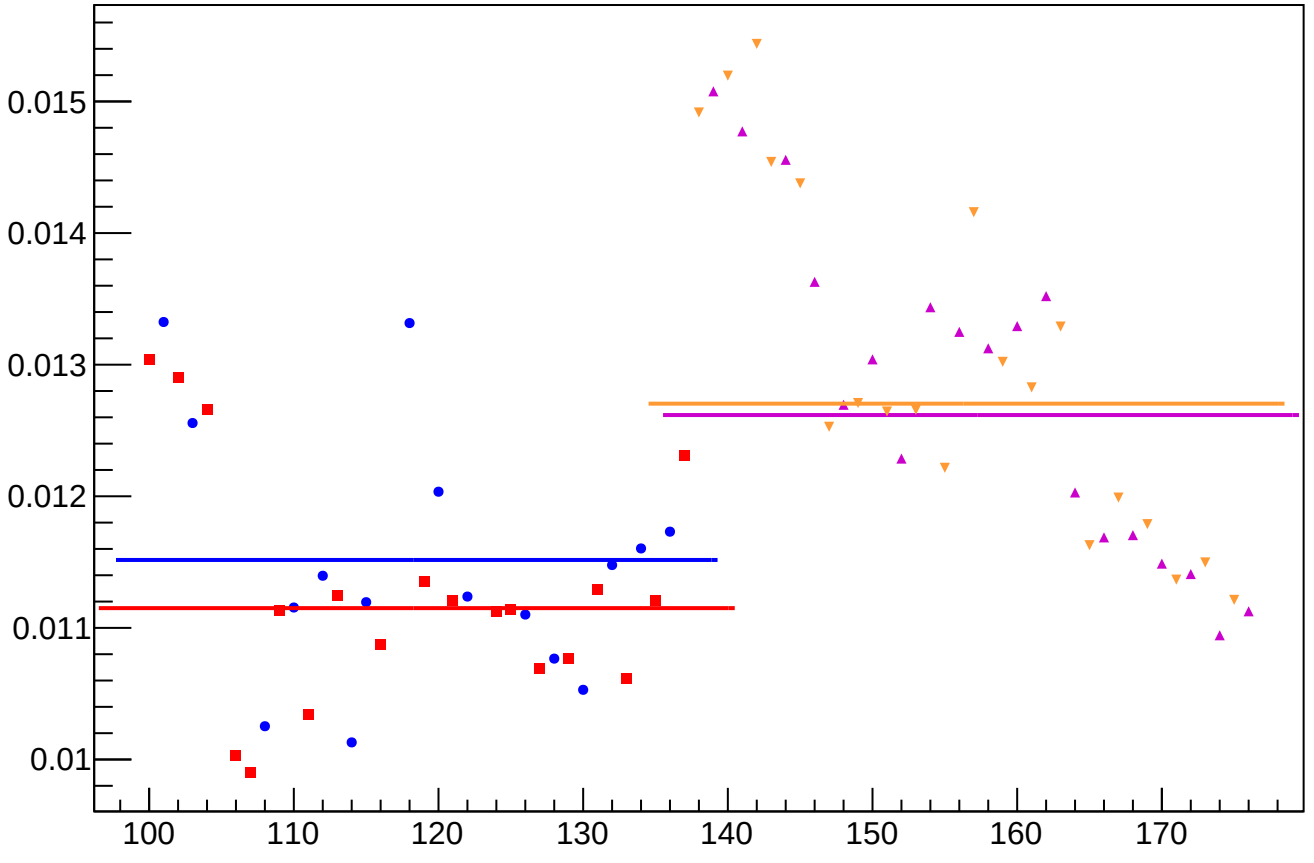
+ sign -1.670+/-0.000 χ^2/NDF: 341758741488.3/35

All: -1.664+/-0.000 χ^2/NDF: 669877443453.8

- sign -1.659+/-0.000 χ^2/NDF: 327967753033.9/37


yield_bpm0l06Y_rms vs Slug
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 157881.5/15
Left Out: 0.003+/-0.000 χ²/NDF:439129.6/19
Right Out: 0.003+/-0.000 χ²/NDF: 116150.5/18
Left In: 0.003+/-0.000 χ²/NDF:497638.6/18
+ sign 0.003+/-0.000 χ²/NDF: 633989.4/35
All: 0.003+/-0.000 χ²/NDF: 1293958.2/73
- sign 0.003+/-0.000 χ²/NDF: 658238.9/37


yield_bpm0l07X_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
Right In: -0.290+/-0.000 χ²/NDF: 1645174238.4/15
Left Out: -0.313+/-0.000 χ²/NDF:8929504501.6/19
Right Out: -0.342+/-0.000 χ²/NDF: 2609243421.7/18
Left In: -0.268+/-0.000 χ²/NDF:7022685890.5/18
+ sign -0.305+/-0.000 χ²/NDF: 10592840588.4/35
All: -0.300+/-0.000 χ²/NDF: 20424018336.2/
- sign -0.296+/-0.000 χ²/NDF: 9826202422.6/37



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:257255.4/19

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

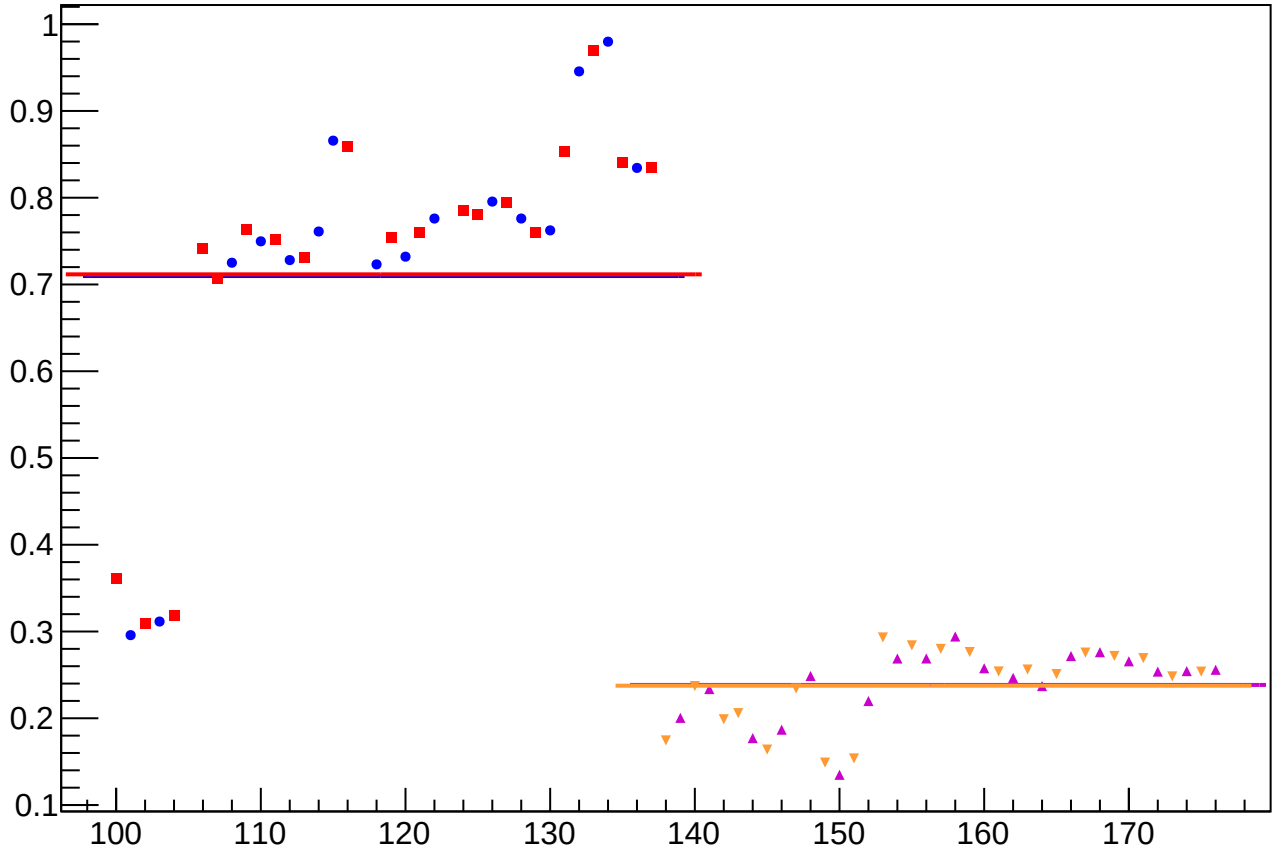
Left In: 0.013+/-0.000 χ^2/NDF:258150.0/18

+ sign 0.012+/-0.000 χ^2/NDF: 435514.5/35

All: 0.012+/-0.000 χ^2/NDF: 925536.1/73

- sign 0.012+/-0.000 χ^2/NDF: 482410.2/37

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.238+/-0.000 χ^2/NDF:6807965960.3/19

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

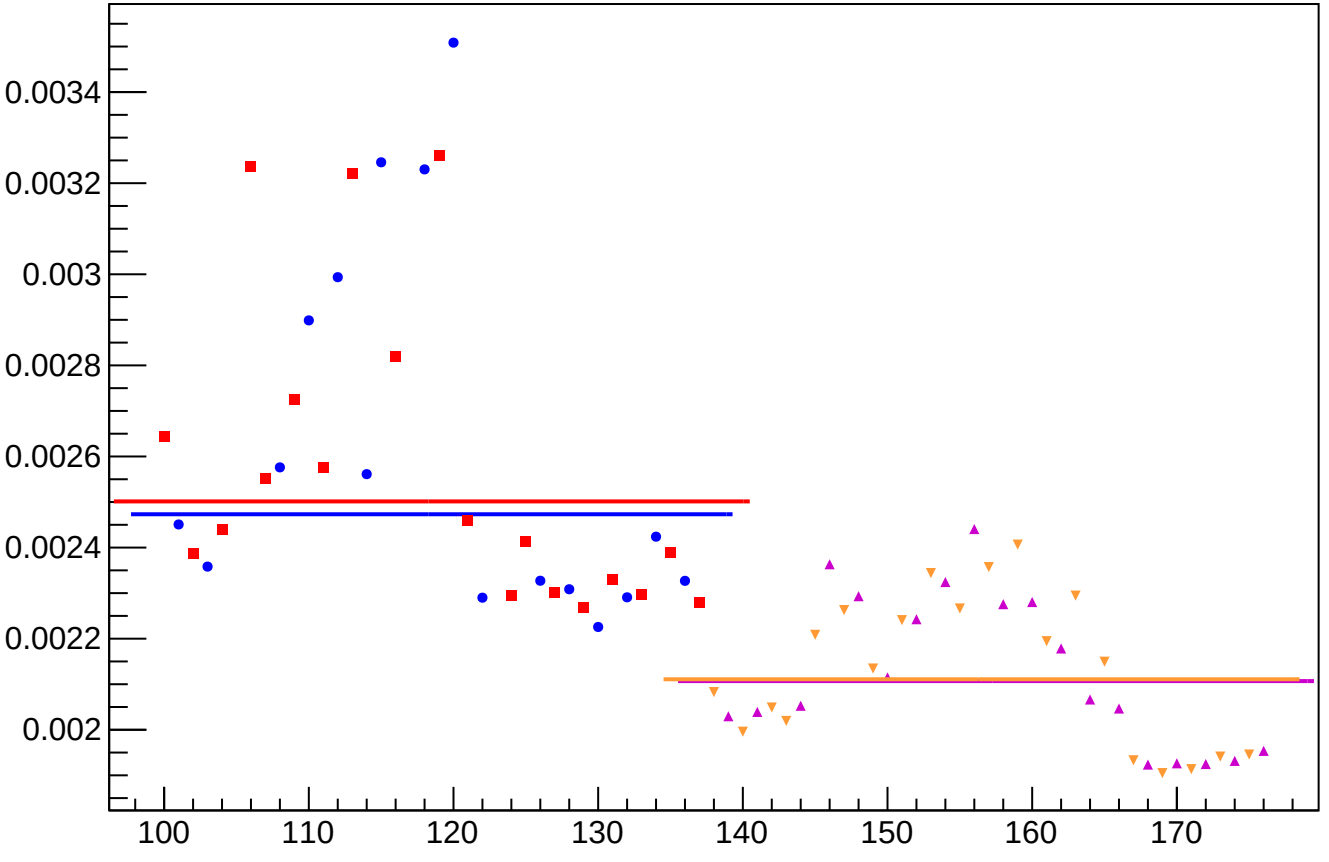
Left In: 0.238+/-0.000 χ^2/NDF:5408474354.6/18

+ sign 0.351+/-0.000 χ^2/NDF: 244306024138.5/35

All: 0.353+/-0.000 χ^2/NDF: 483821011306.7

- sign 0.355+/-0.000 χ^2/NDF: 239490412820.9/37

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:180631.8/19

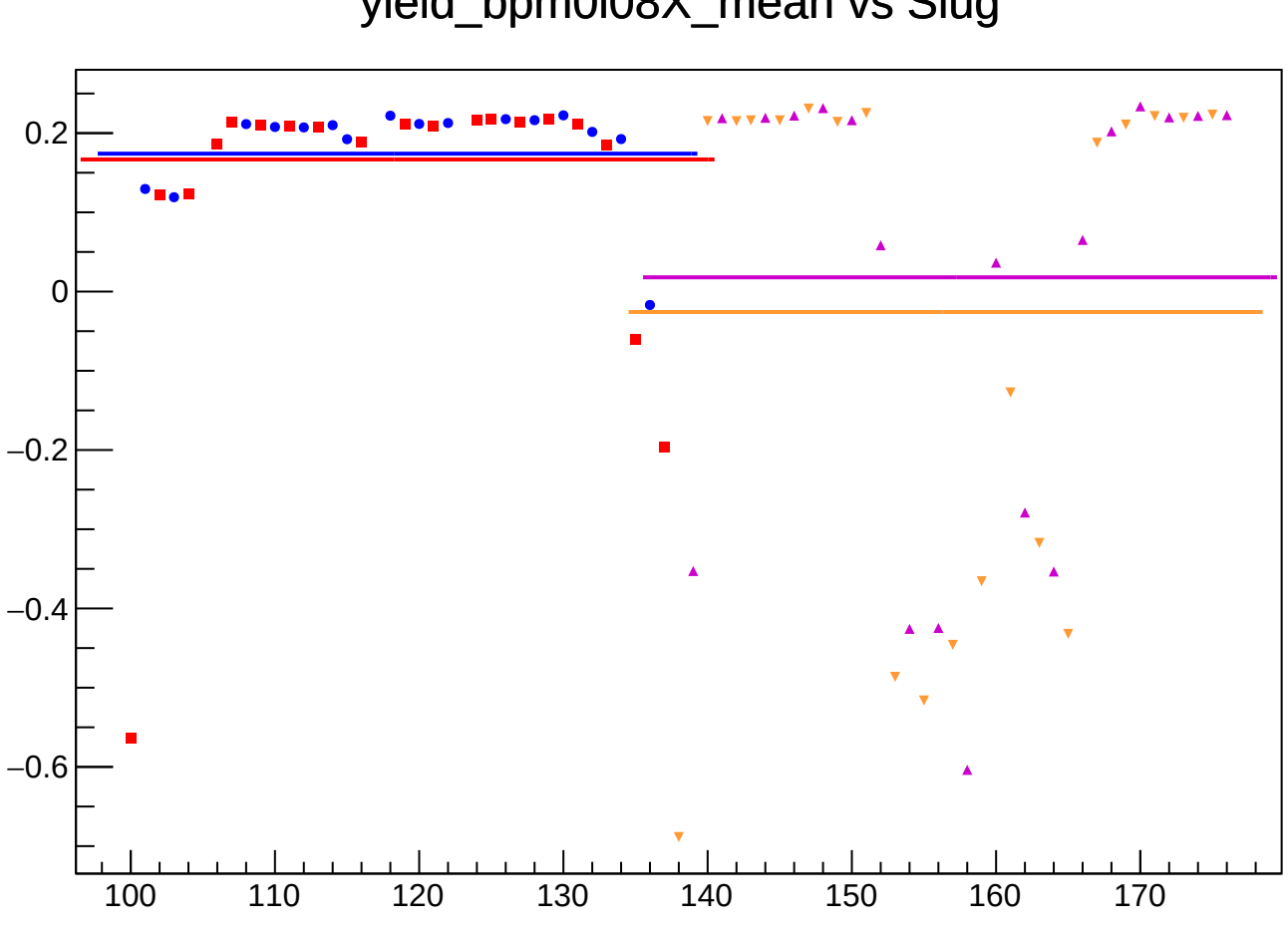
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:177989.5/18

+ sign 0.002+/-0.000 χ^2/NDF: 610696.7/35

All: 0.002+/-0.000 χ^2/NDF: 1230142.4/73

- sign 0.002+/-0.000 χ^2/NDF: 619302.8/37



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.026+/-0.000 χ^2/NDF:11510365127.3/19

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

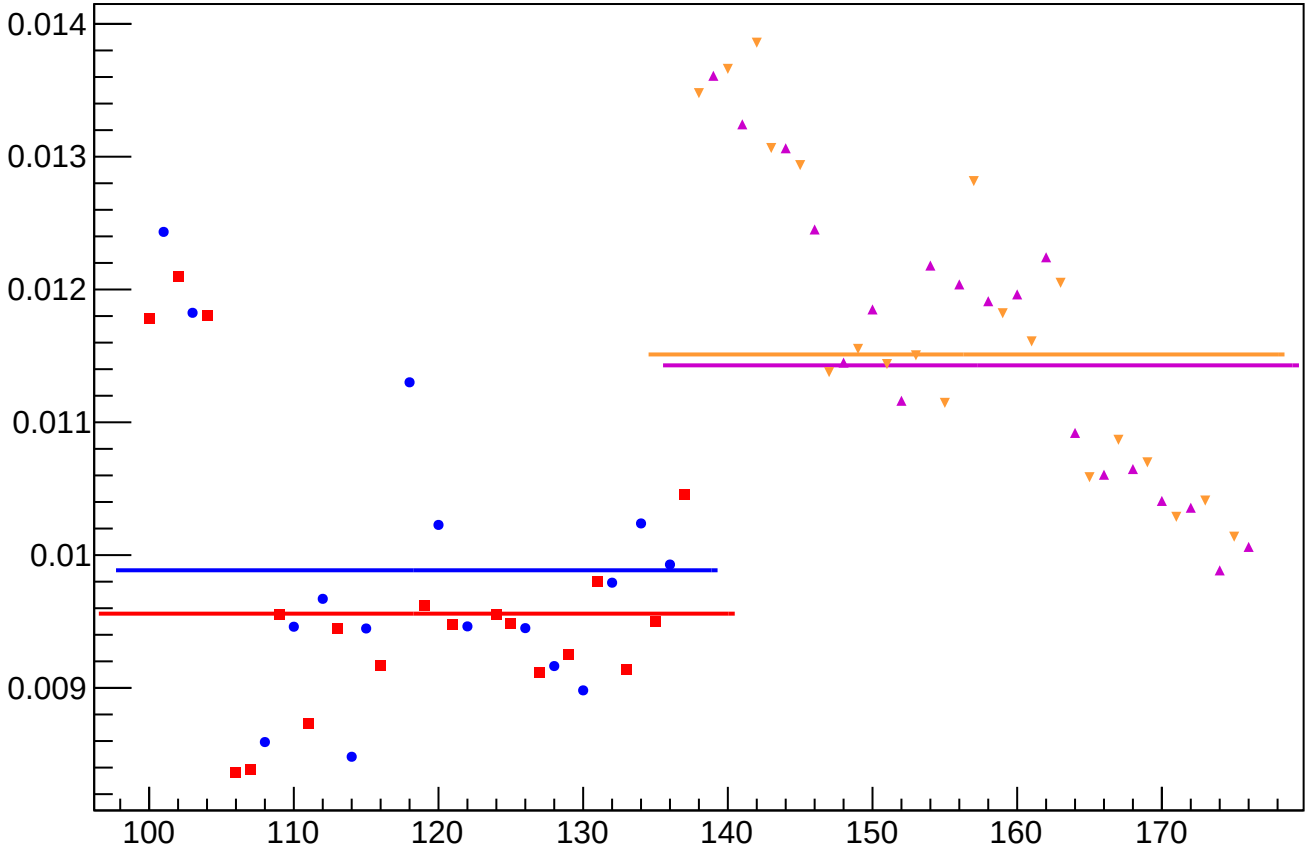
Left In: 0.018+/-0.000 χ^2/NDF:8873596095.9/18

+ sign 0.051+/-0.000 χ^2/NDF: 13639847697.5/35

All: 0.065+/-0.000 χ^2/NDF: 24507857540.7/7

- sign 0.079+/-0.000 χ^2/NDF: 10792448659.8/37

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:245716.7/19

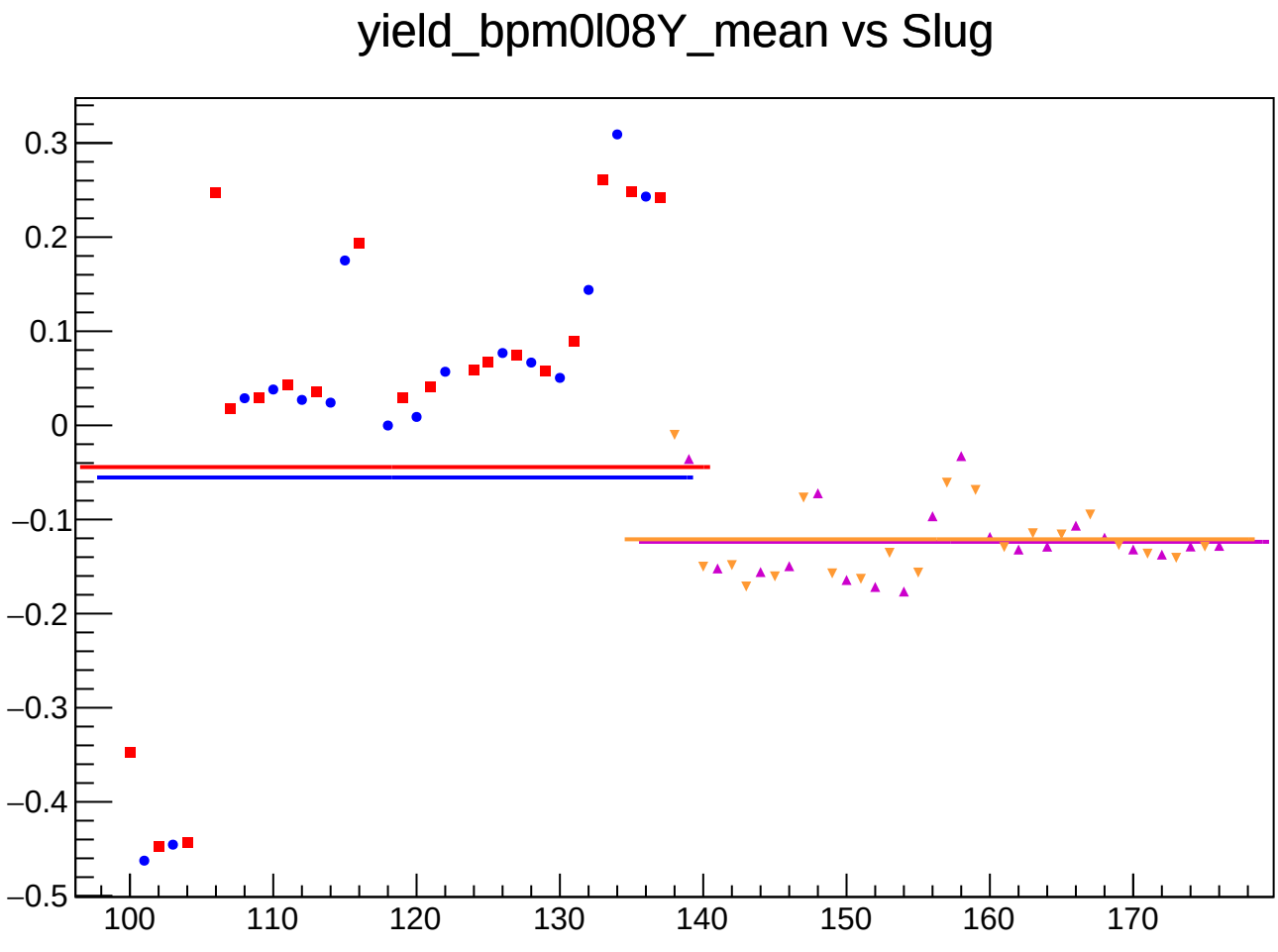
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:251147.6/18

+ sign 0.011+/-0.000 χ^2/NDF: 622794.0/35

All: 0.011+/-0.000 χ^2/NDF: 1343795.1/73

- sign 0.011+/-0.000 χ^2/NDF: 711160.5/37



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.121+/-0.000 χ^2/NDF:2908989530.6/19

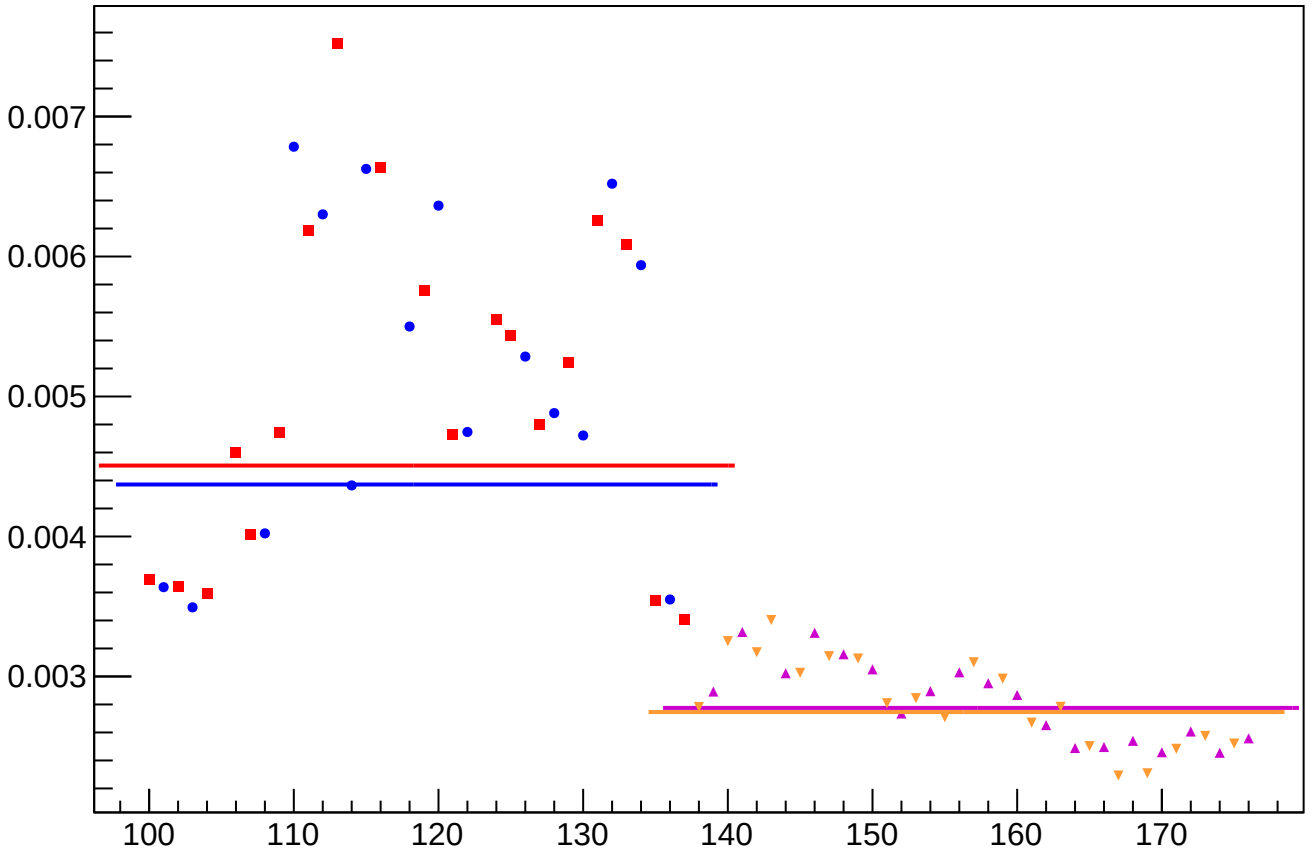
Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.124+/-0.000 χ^2/NDF:2803903524.2/18

+ sign -0.112+/-0.000 χ^2/NDF: 28178509371.2/35

All: -0.112+/-0.000 χ^2/NDF: 54822888032.5/

- sign -0.112+/-0.000 χ^2/NDF: 26644063539.4/37



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:372328.1/19

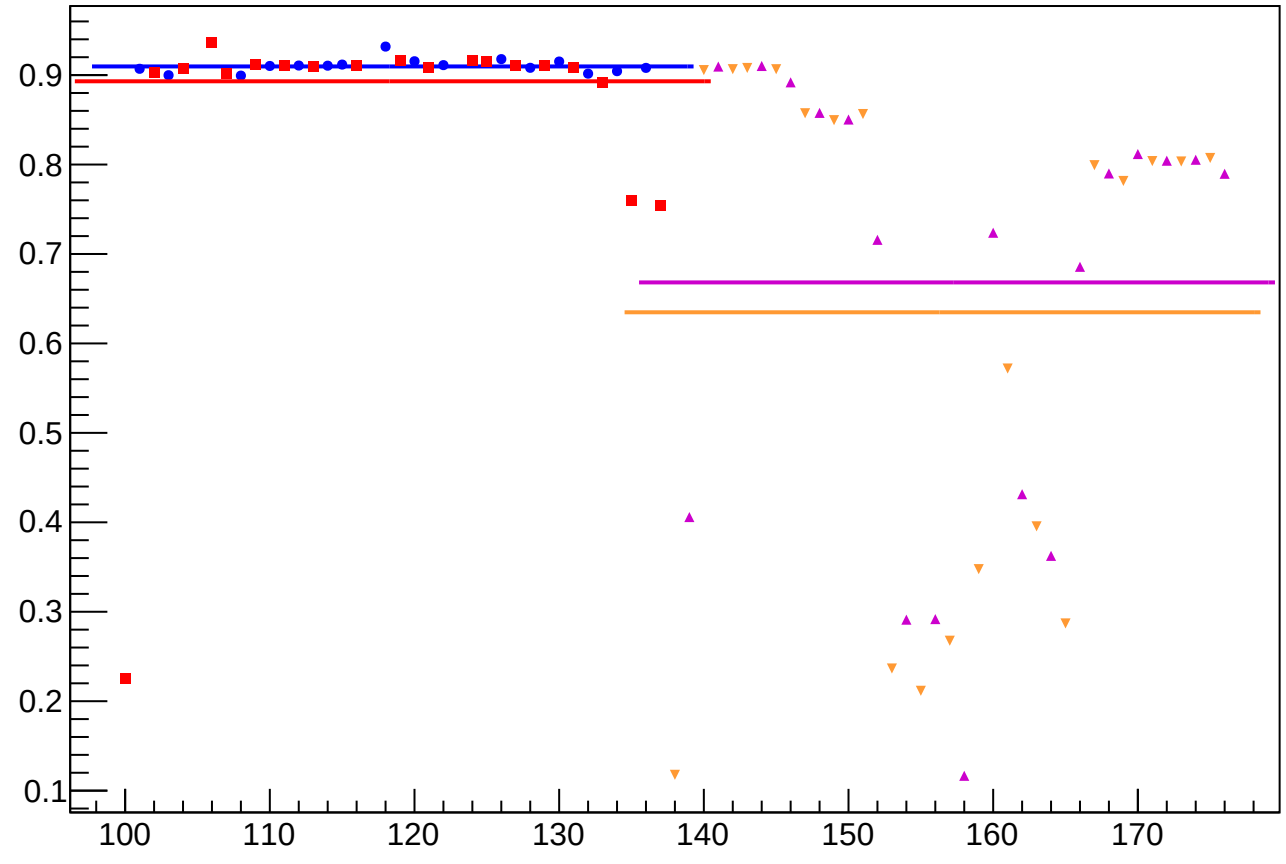
Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:275335.7/18

+ sign 0.003+/-0.000 χ^2/NDF: 2486848.0/35

All: 0.003+/-0.000 χ^2/NDF: 5091759.7/73

- sign 0.003+/-0.000 χ^2/NDF: 2599303.9/37



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.635+/-0.000 χ^2/NDF:8693389019.7/19

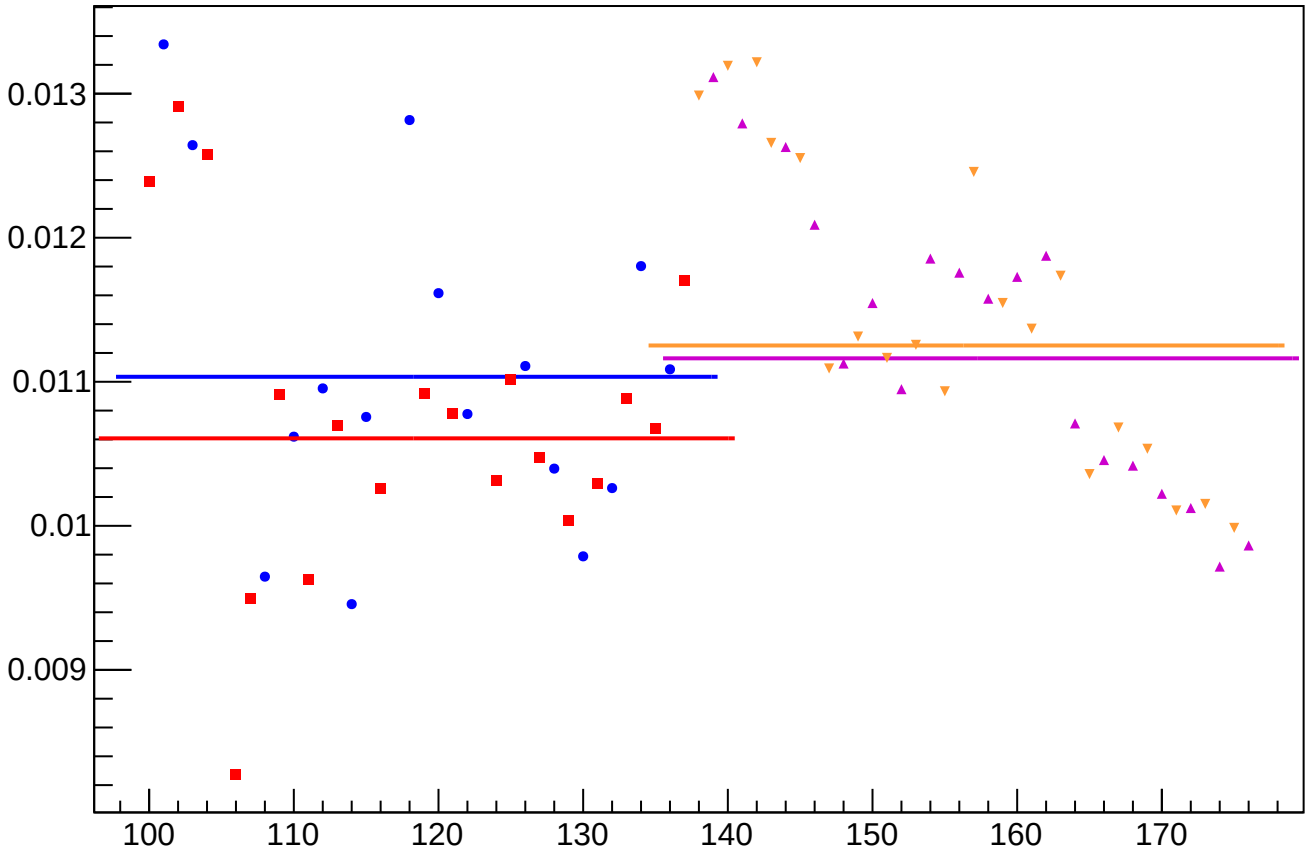
Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.668+/-0.000 χ^2/NDF:6752735784.3/18

+ sign 0.723+/-0.000 χ^2/NDF: 11585648566.2/35

All: 0.735+/-0.000 χ^2/NDF: 20819272245.9/7

- sign 0.747+/-0.000 χ^2/NDF: 9183089359.5/37



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:217497.2/19

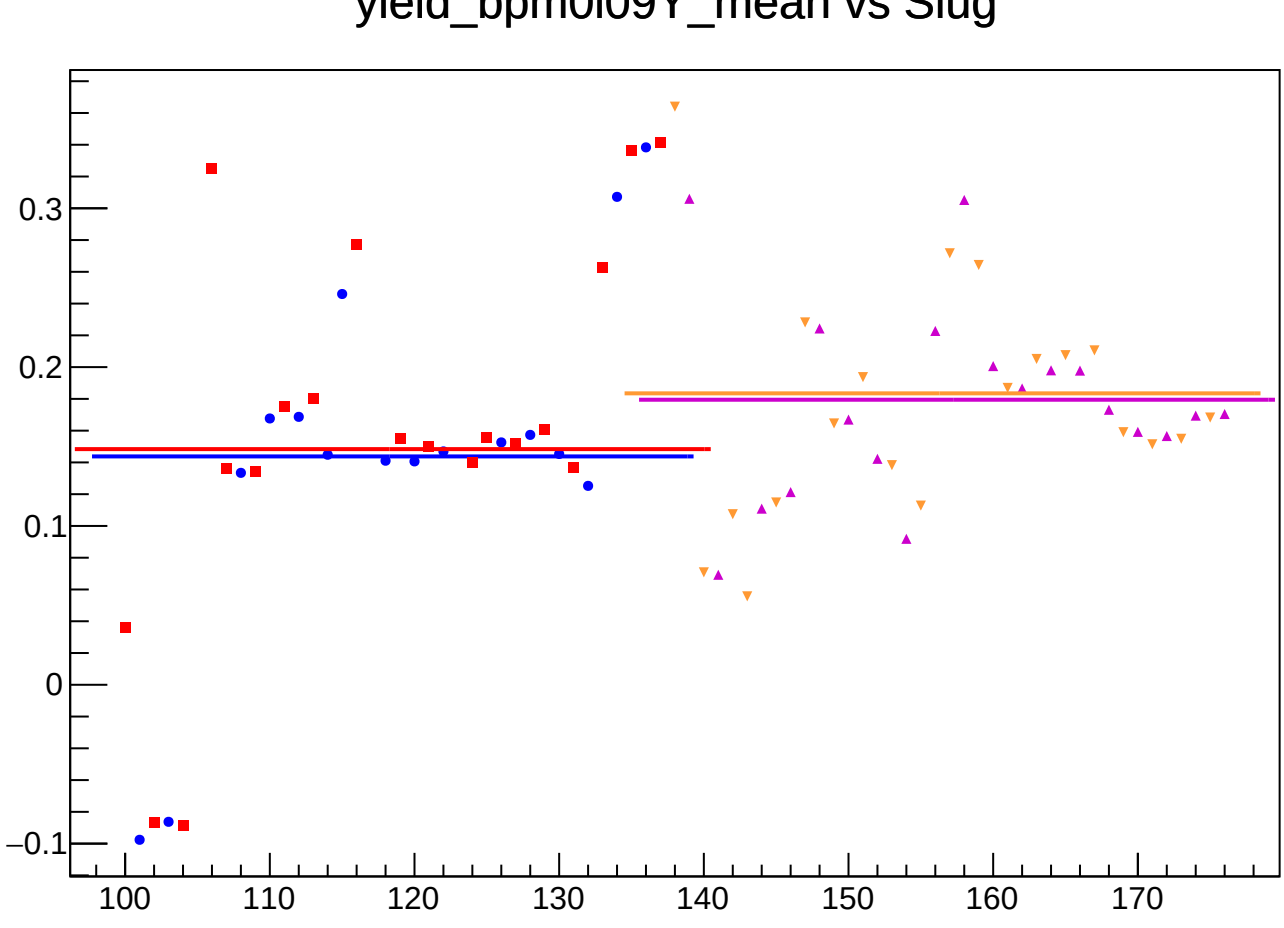
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:225134.6/18

+ sign 0.011+/-0.000 χ^2/NDF: 351462.2/35

All: 0.011+/-0.000 χ^2/NDF: 754391.6/73

- sign 0.011+/-0.000 χ^2/NDF: 394734.1/37



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.183+/-0.000 χ^2/NDF:6338088647.0/19

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

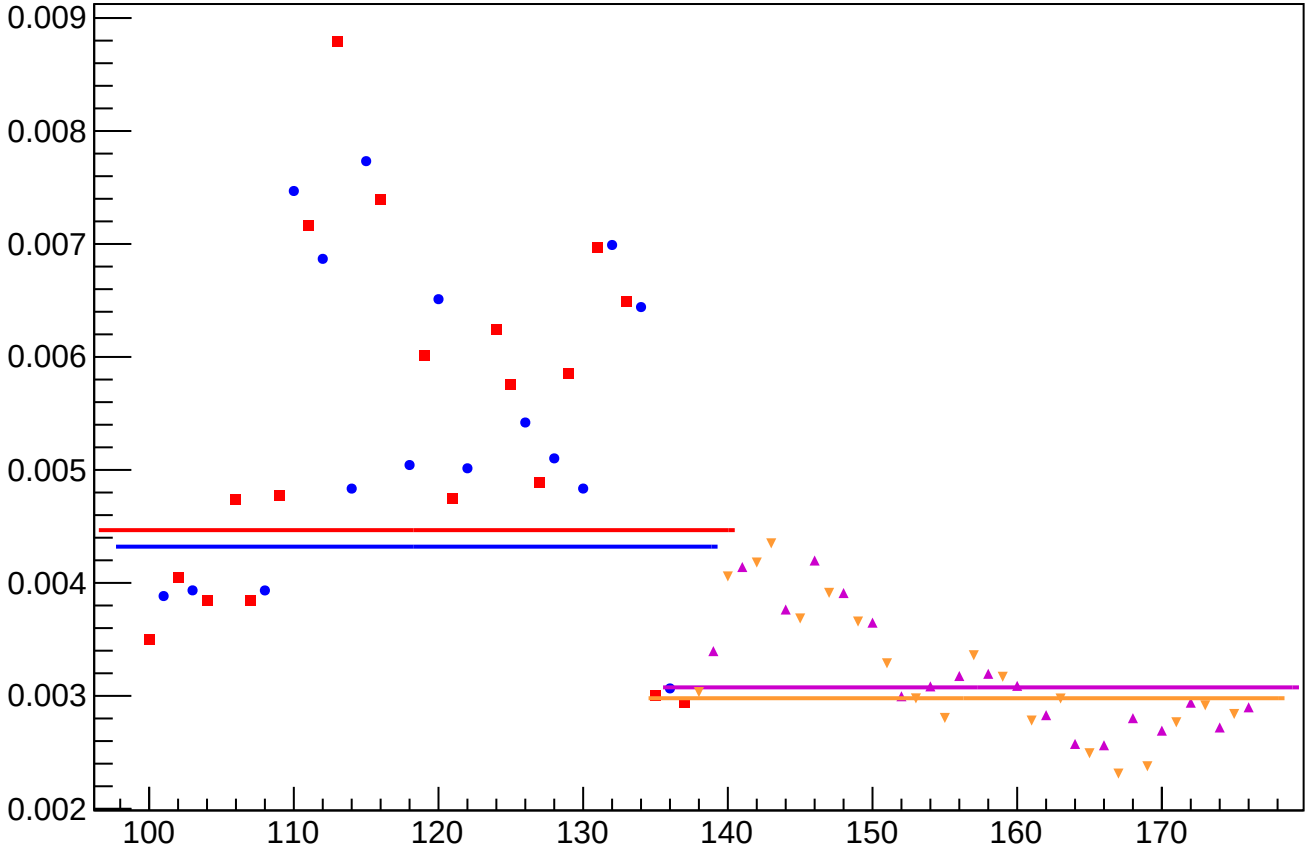
Left In: 0.179+/-0.000 χ^2/NDF:4572032877.2/18

+ sign 0.177+/-0.000 χ^2/NDF: 14612035971.8/35

All: 0.176+/-0.000 χ^2/NDF: 26560065538.0/7

- sign 0.174+/-0.000 χ^2/NDF: 11940408730.0/37

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:843821.1/19

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

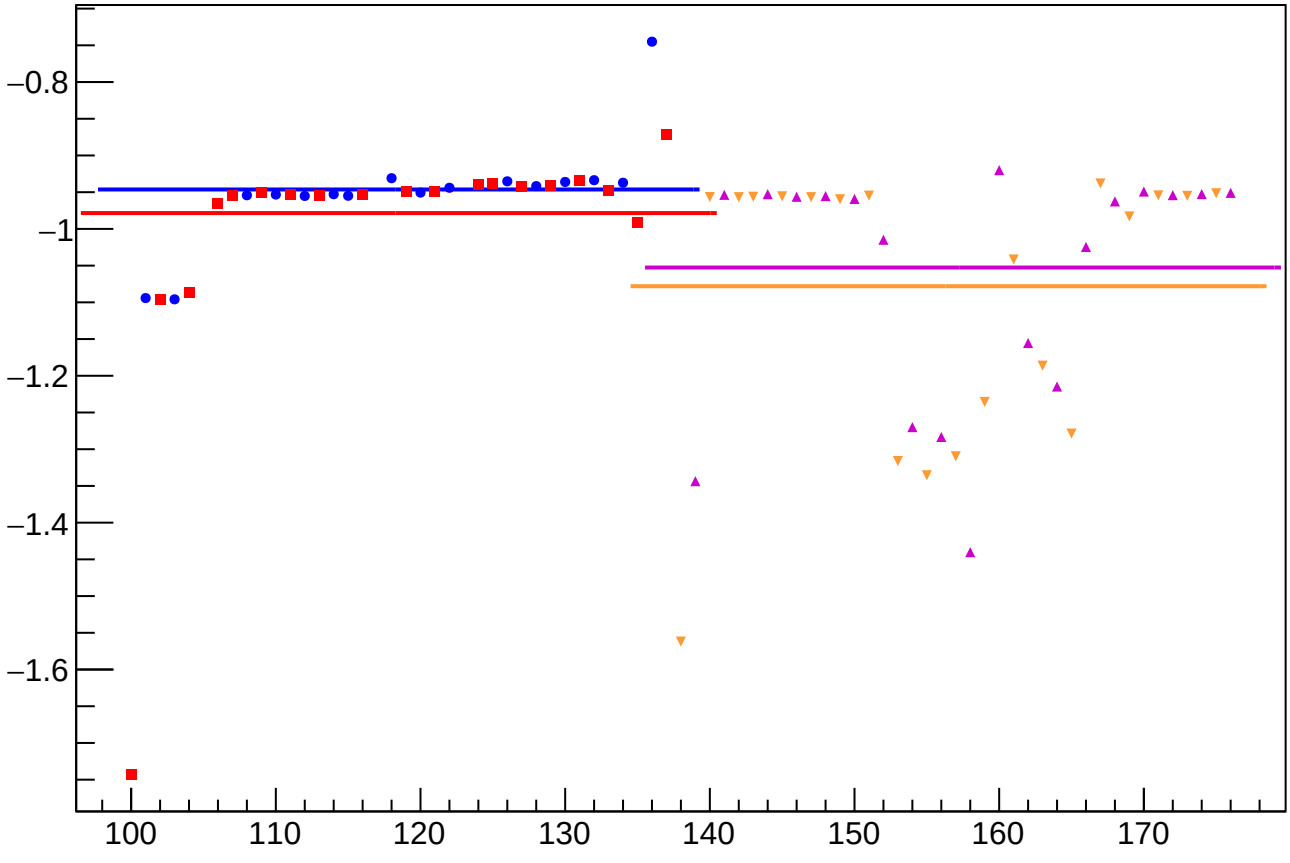
Left In: 0.003+/-0.000 χ^2/NDF:573336.0/18

+ sign 0.003+/-0.000 χ^2/NDF: 2650823.4/35

All: 0.003+/-0.000 χ^2/NDF: 5295258.2/73

- sign 0.003+/-0.000 χ^2/NDF: 2620463.7/37

yield_bpm0l10X_mean vs Slug



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.078+/-0.000 χ^2/NDF:4567539440.6/19

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

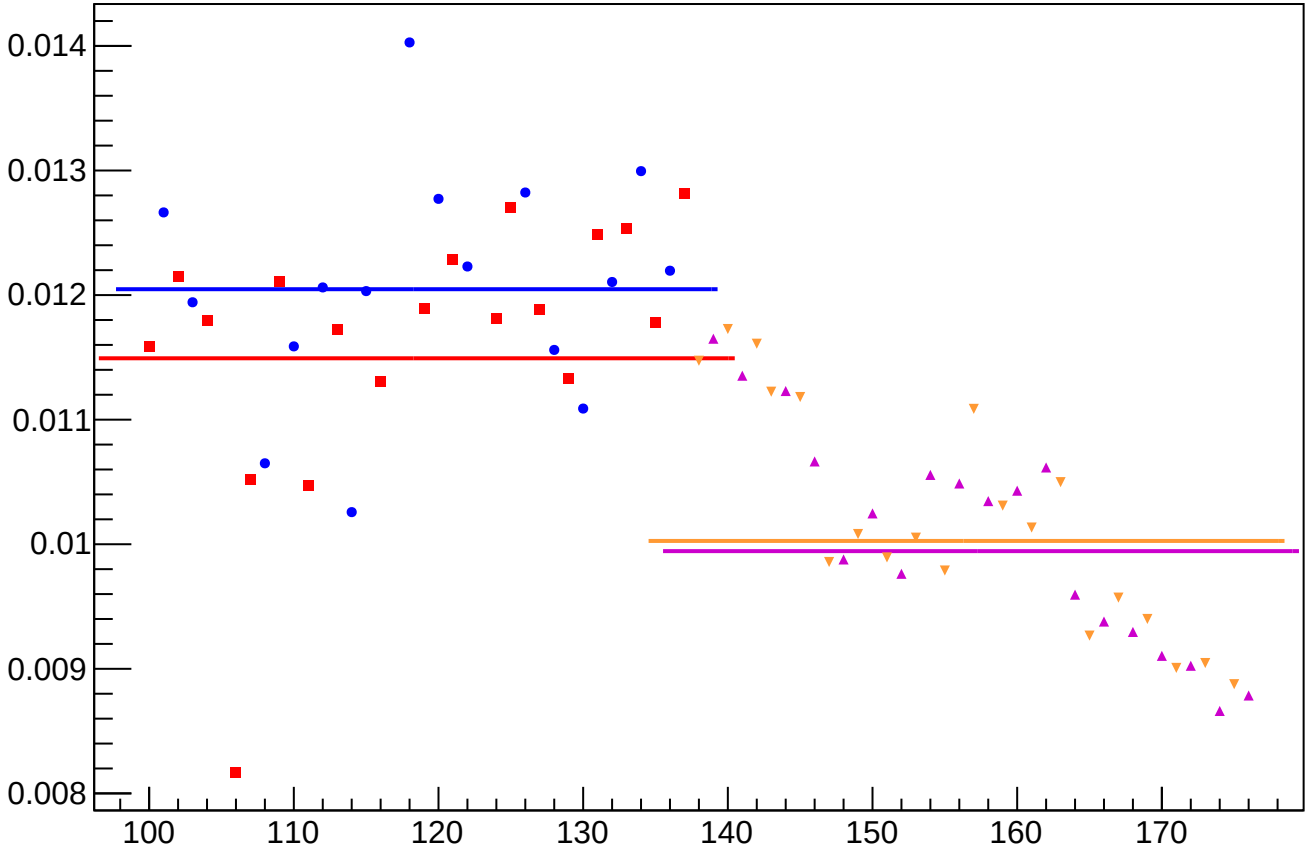
Left In: -1.053+/-0.000 χ^2/NDF:3657794374.9/18

+ sign -1.046+/-0.000 χ^2/NDF: 5596740636.6/35

All: -1.040+/-0.000 χ^2/NDF: 9953123103.6/7

- sign -1.033+/-0.000 χ^2/NDF: 4337927166.4/37

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:210176.2/19

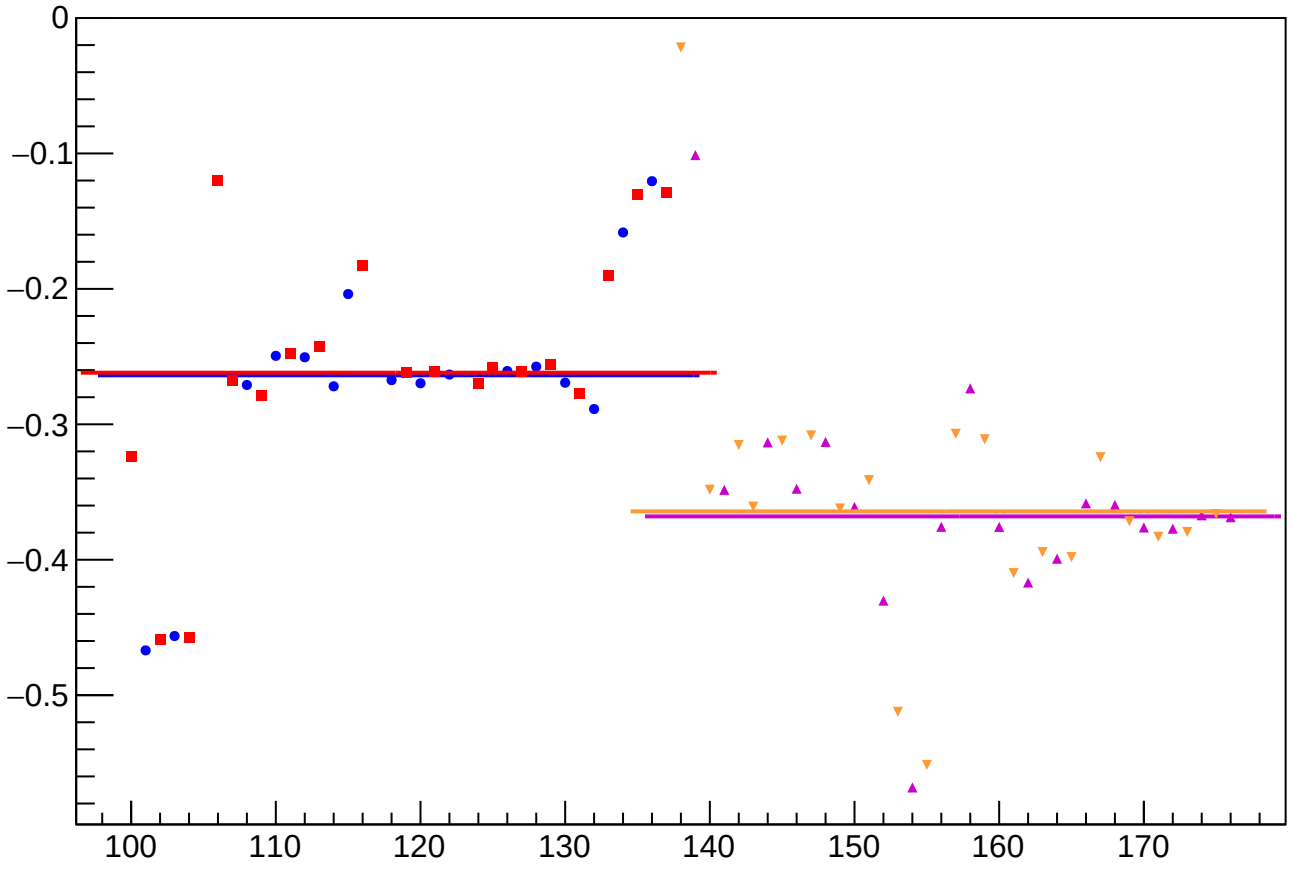
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:218870.9/18

+ sign 0.011+/-0.000 χ^2/NDF: 566660.6/35

All: 0.010+/-0.000 χ^2/NDF: 1132569.0/73

- sign 0.010+/-0.000 χ^2/NDF: 561071.1/37



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.364+/-0.000 χ^2/NDF:11900028777.7/19

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

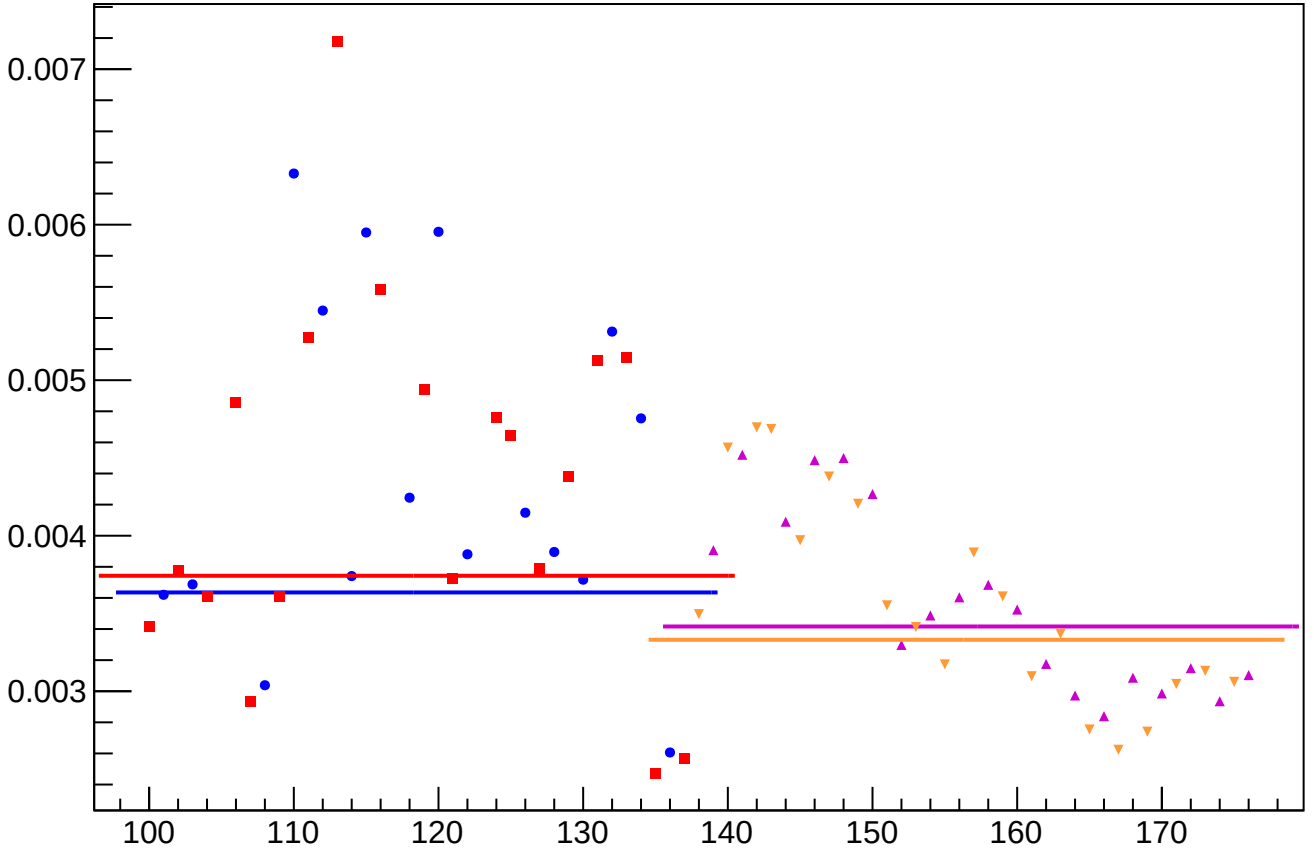
Left In: -0.368+/-0.000 χ^2/NDF:7568237385.6/18

+ sign -0.339+/-0.000 χ^2/NDF: 21296604491.9/35

All: -0.339+/-0.000 χ^2/NDF: 37679594170.5/

- sign -0.340+/-0.000 χ^2/NDF: 16381809353.9/37

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:803171.5/19

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

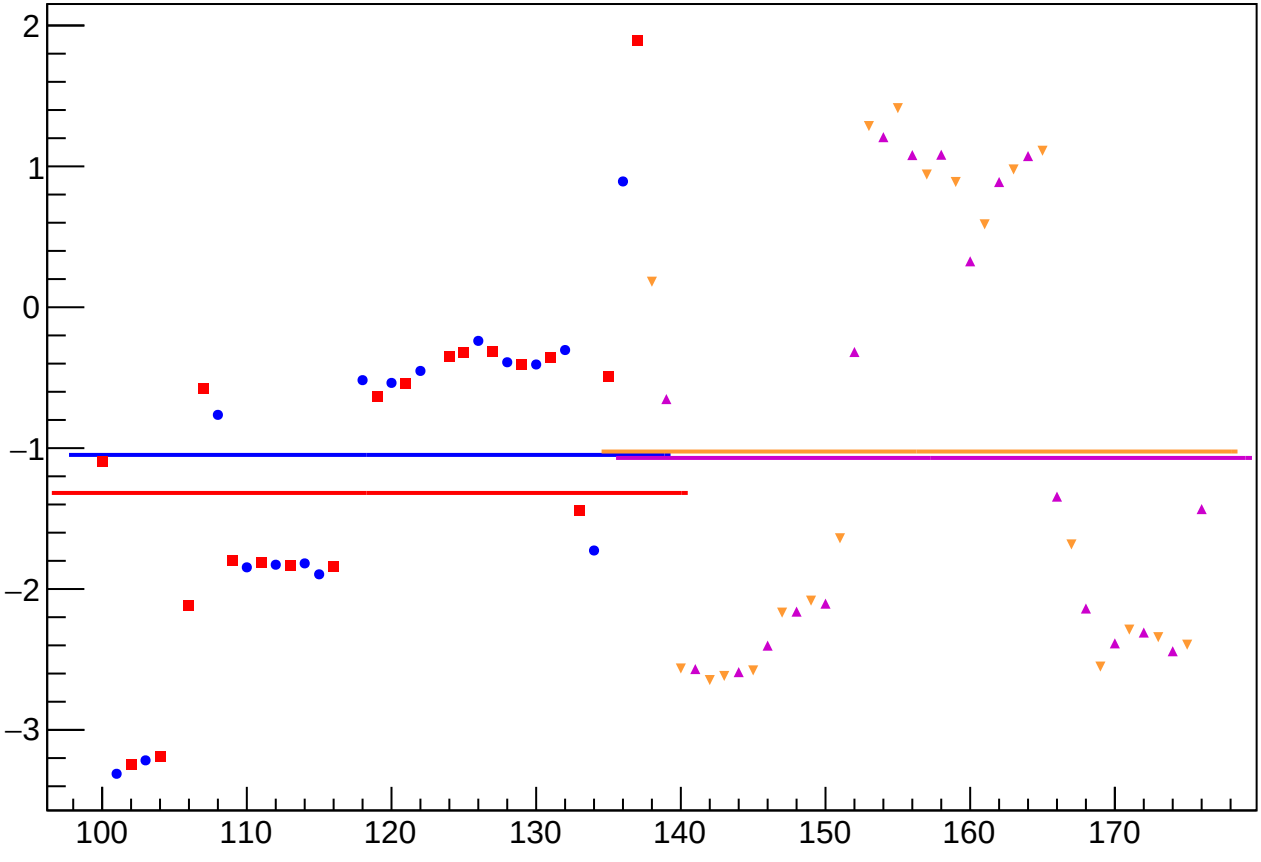
Left In: 0.003+/-0.000 χ^2/NDF:604459.7/18

+ sign 0.003+/-0.000 χ^2/NDF: 1592075.5/35

All: 0.003+/-0.000 χ^2/NDF: 3172921.8/73

- sign 0.004+/-0.000 χ^2/NDF: 1565978.4/37

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.024+/-0.000 χ^2/NDF:7133694607.3/19

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

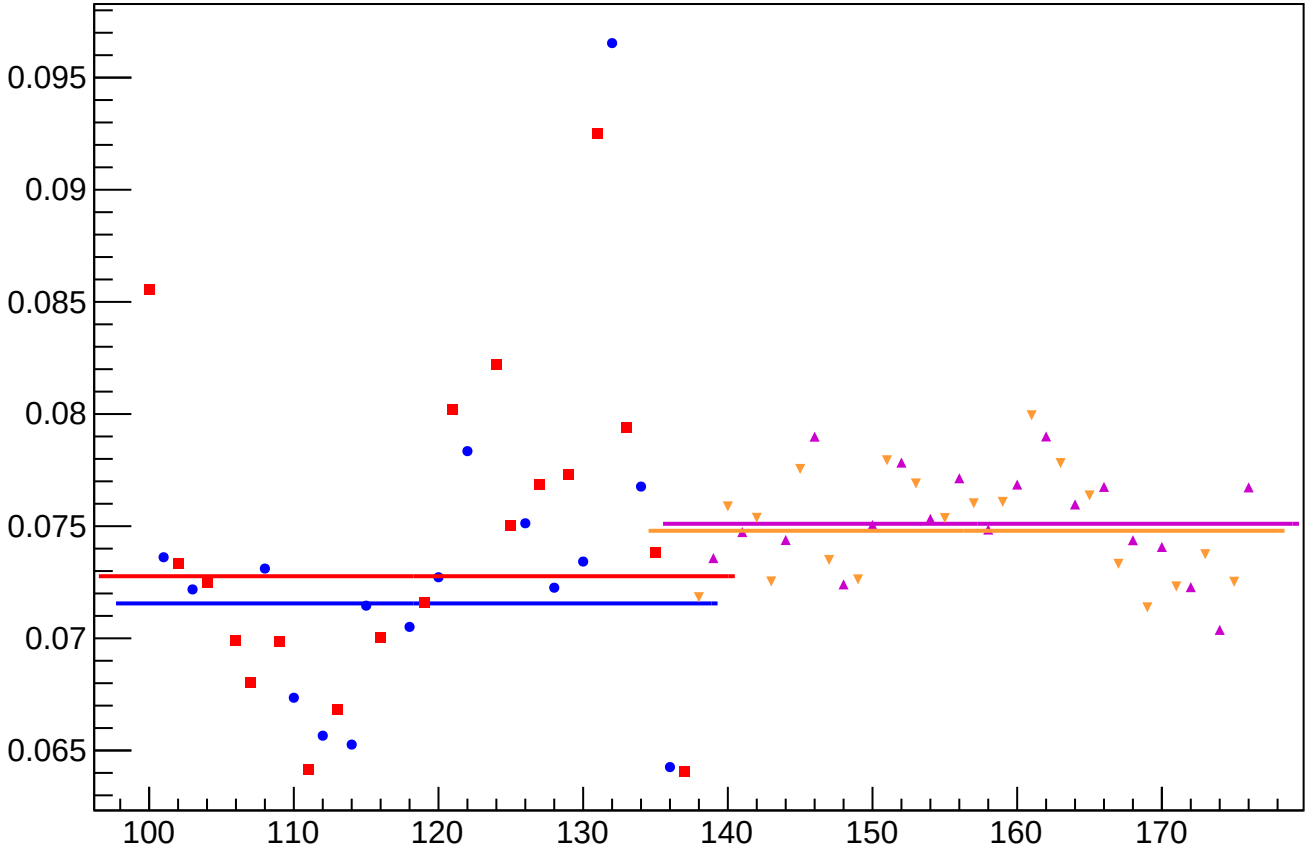
Left In: -1.069+/-0.000 χ^2/NDF:5813825885.2/18

+ sign -1.032+/-0.000 χ^2/NDF: 9481244803.8/35

All: -1.092+/-0.000 χ^2/NDF: 17229506134.7/

- sign -1.153+/-0.000 χ^2/NDF: 7718019152.8/37

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:31439.6/19

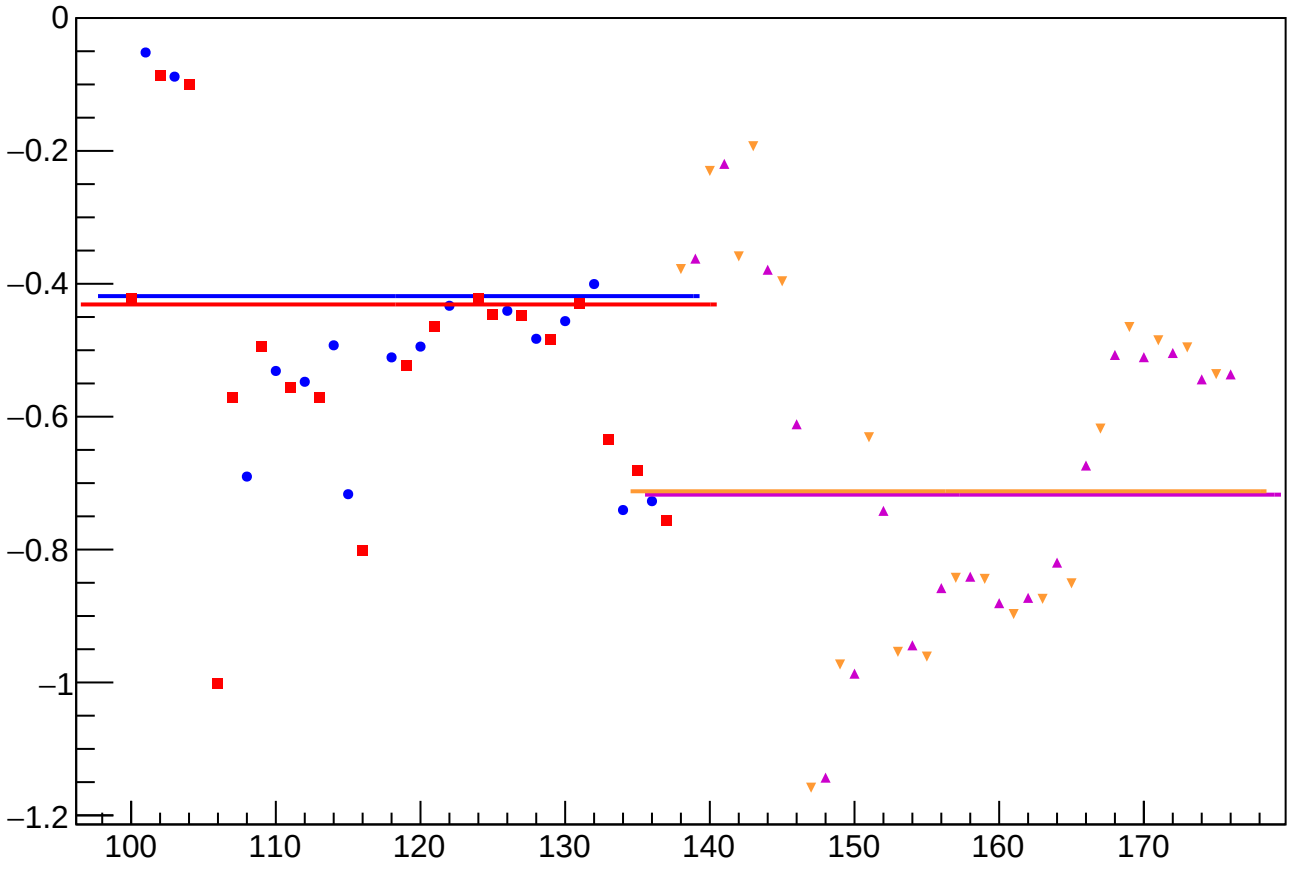
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:26987.5/18

+ sign 0.074+/-0.000 χ^2/NDF: 151951.5/35

All: 0.074+/-0.000 χ^2/NDF: 287195.3/73

- sign 0.074+/-0.000 χ^2/NDF: 133806.6/37



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.712+/-0.000 χ^2/NDF:19536591119.2/19

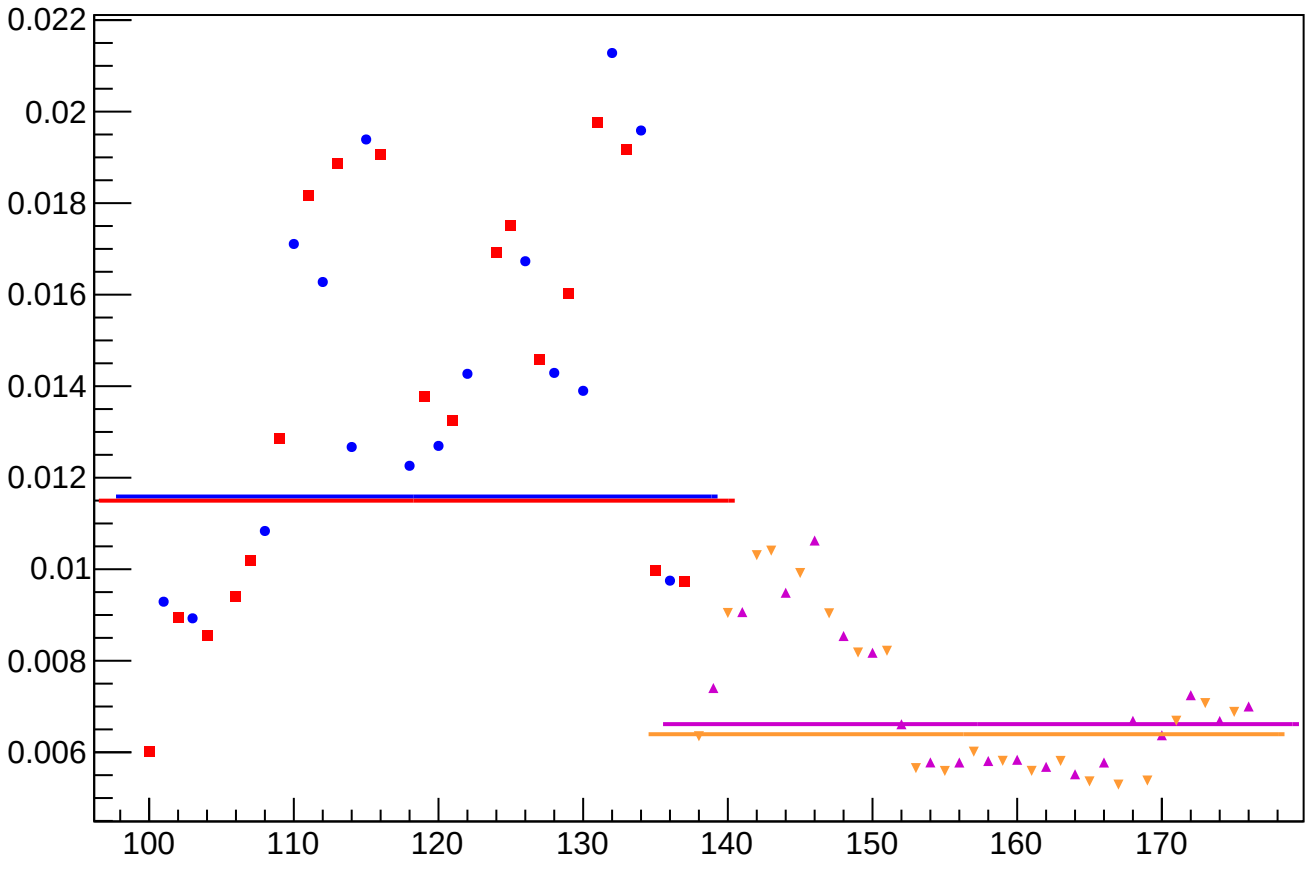
Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.717+/-0.000 χ^2/NDF:15010325712.9/18

+ sign -0.679+/-0.000 χ^2/NDF: 26008622445.4/35

All: -0.681+/-0.000 χ^2/NDF: 47481282850.5/

- sign -0.682+/-0.000 χ^2/NDF: 21471218680.4/37



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1240905.3/19

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

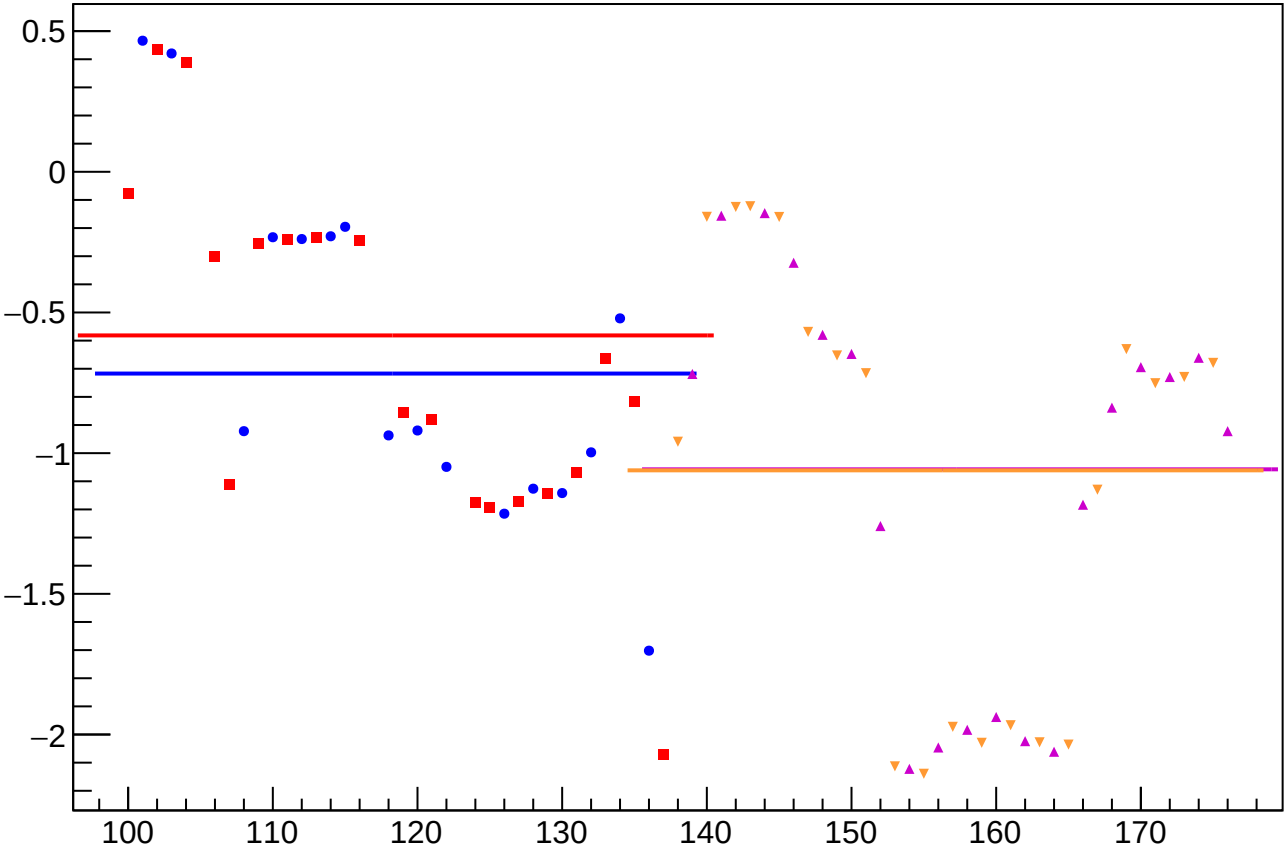
Left In: 0.007+/-0.000 χ^2/NDF:893860.7/18

+ sign 0.007+/-0.000 χ^2/NDF: 4153269.1/35

All: 0.007+/-0.000 χ^2/NDF: 8133643.1/73

- sign 0.007+/-0.000 χ^2/NDF: 3958486.6/37

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.061+/-0.000 χ^2/NDF:1147680962.6/19

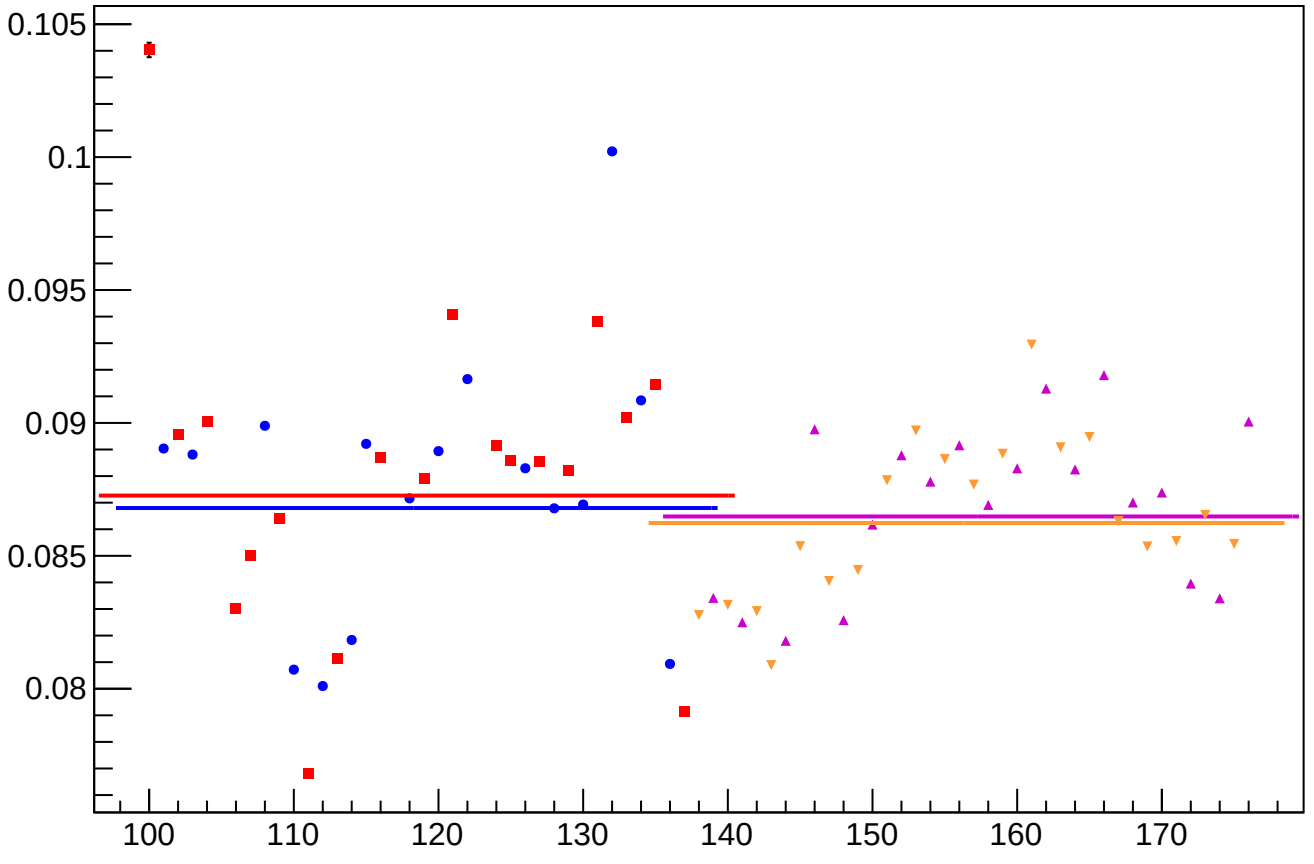
Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.057+/-0.000 χ^2/NDF:972911997.4/18

+ sign -0.954+/-0.000 χ^2/NDF: 1662828080.7/35

All: -0.930+/-0.000 χ^2/NDF: 3131782039.0/7

- sign -0.904+/-0.000 χ^2/NDF: 1465112692.2/37



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:33854.1/19

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

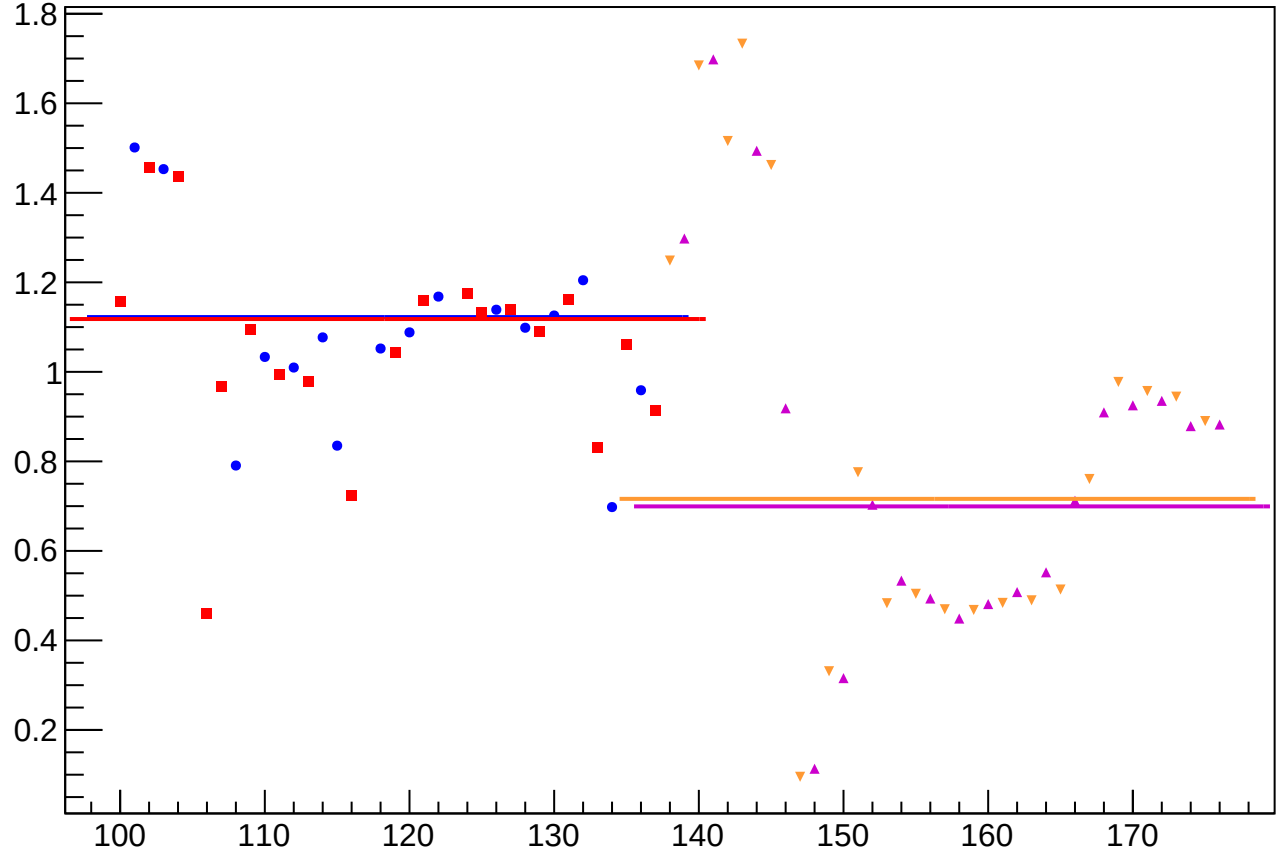
Left In: 0.086+/-0.000 χ^2/NDF:36808.2/18

+ sign 0.086+/-0.000 χ^2/NDF: 77848.0/35

All: 0.087+/-0.000 χ^2/NDF: 161959.2/73

- sign 0.087+/-0.000 χ^2/NDF: 83790.2/37

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.716+/-0.000 χ^2/NDF:31279956276.8/19

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

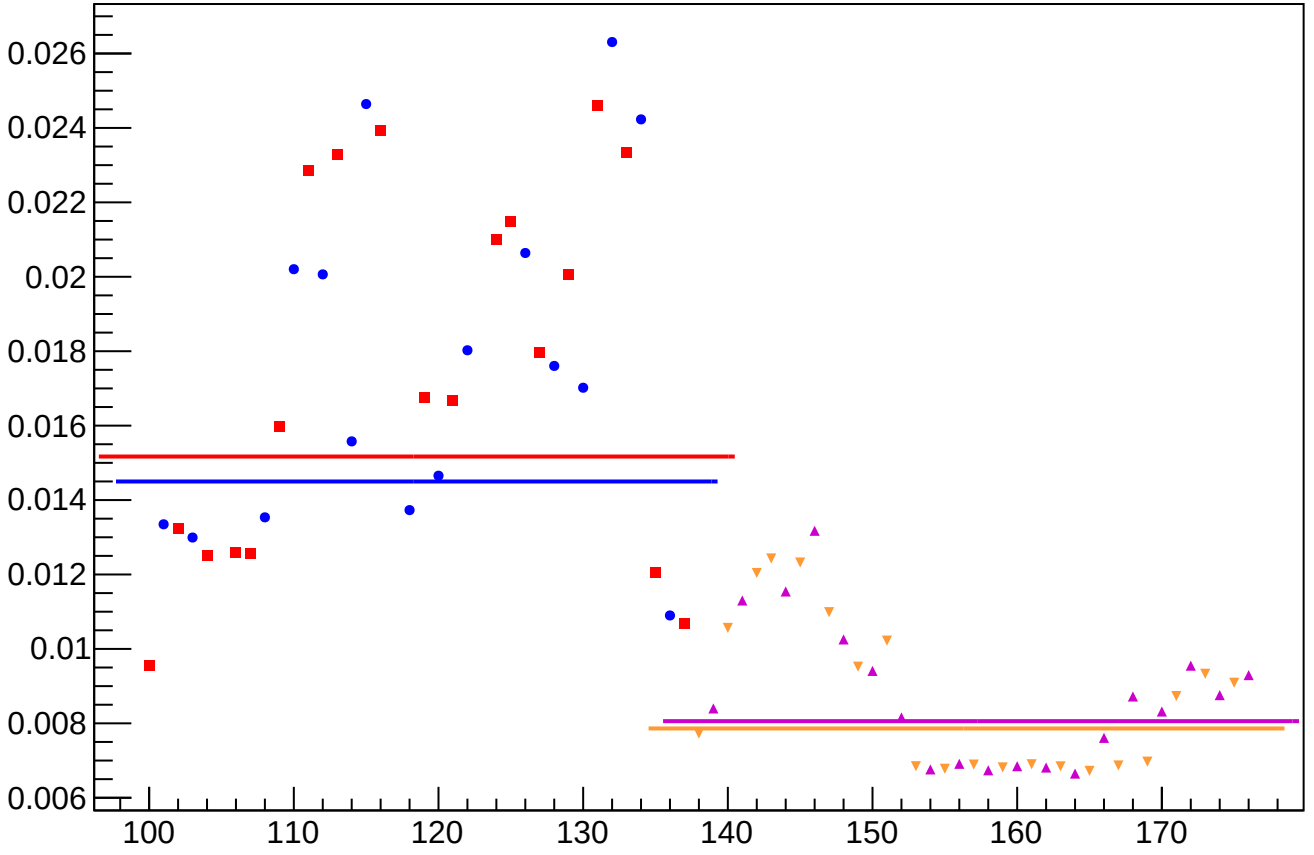
Left In: 0.699+/-0.000 χ^2/NDF:24508800315.5/18

+ sign 0.760+/-0.000 χ^2/NDF: 36914351151.7/35

All: 0.753+/-0.000 χ^2/NDF: 67185907732.8/

- sign 0.745+/-0.000 χ^2/NDF: 30242706172.6/37

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1223747.3/19

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

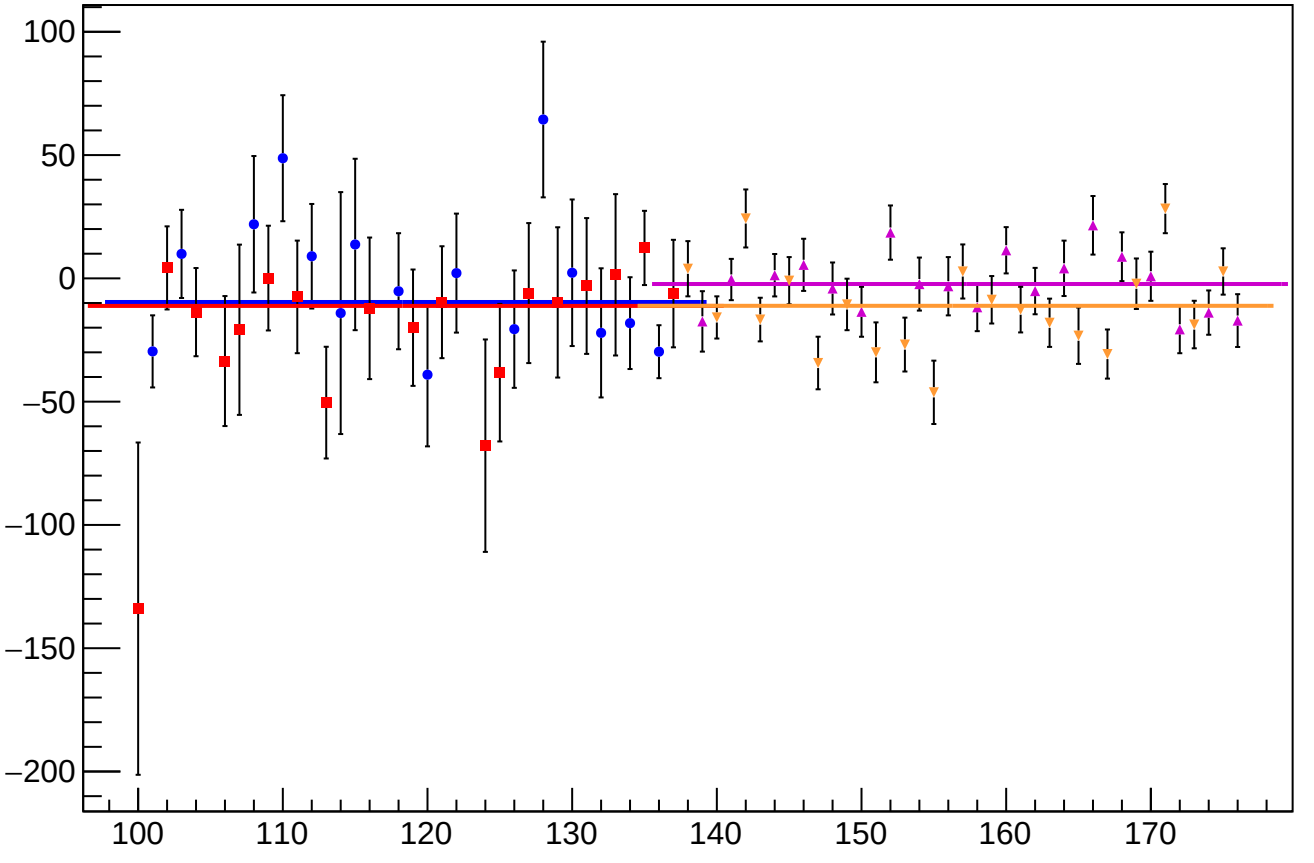
Left In: 0.008+/-0.000 χ^2/NDF:1030988.6/18

+ sign 0.009+/-0.000 χ^2/NDF: 4166713.0/35

All: 0.009+/-0.000 χ^2/NDF: 8481594.9/73

- sign 0.009+/-0.000 χ^2/NDF: 4298376.7/37

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -11.129+/-2.280 χ^2/NDF:55.8/19

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

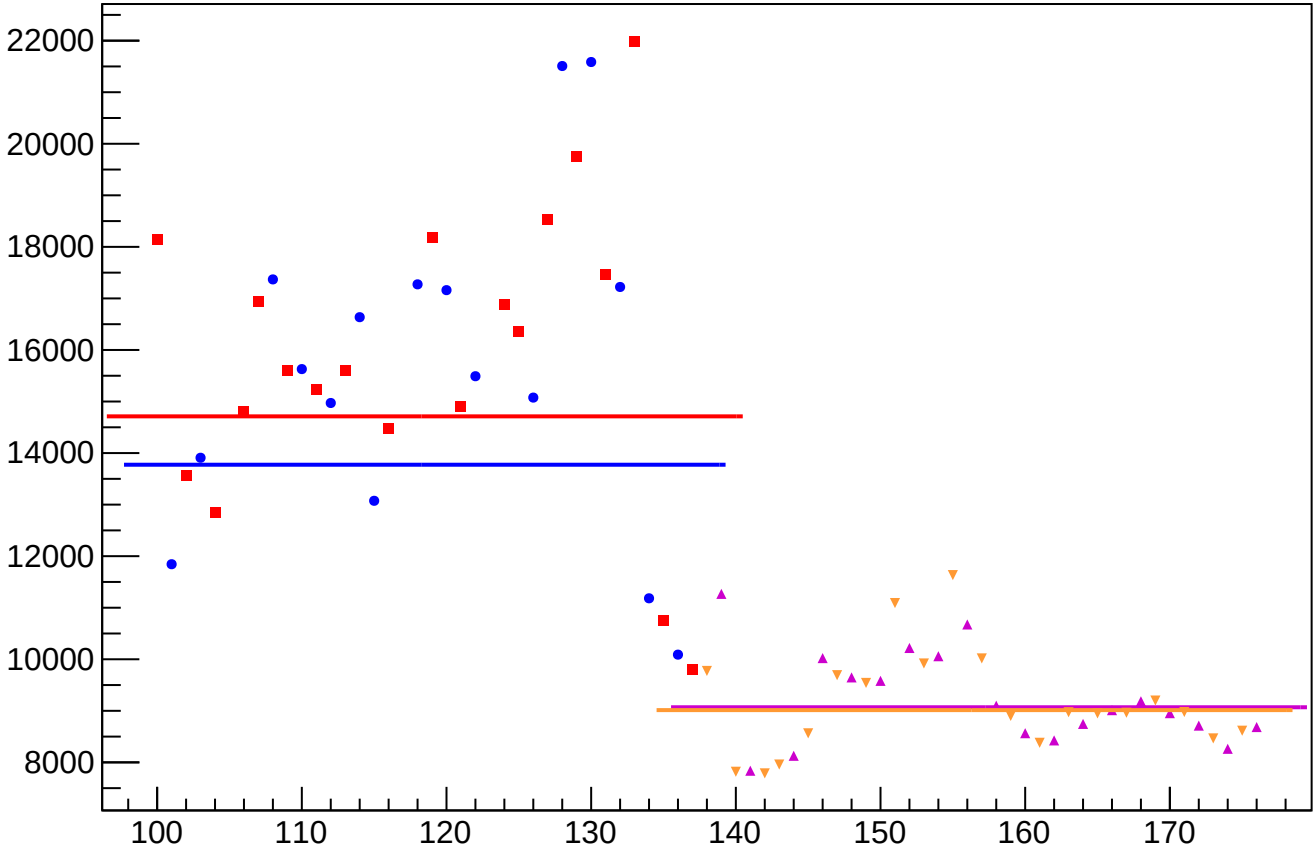
Left In: -2.290+/-2.315 χ^2/NDF:23.2/18

+ sign -10.886+/-2.094 χ^2/NDF: 77.8/35

All: -7.326+/-1.495 χ^2/NDF: 122.9/73

- sign -3.629+/-2.134 χ^2/NDF: 39.3/37

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9013.726+/-1.612 χ^2/NDF:308641.5/19

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

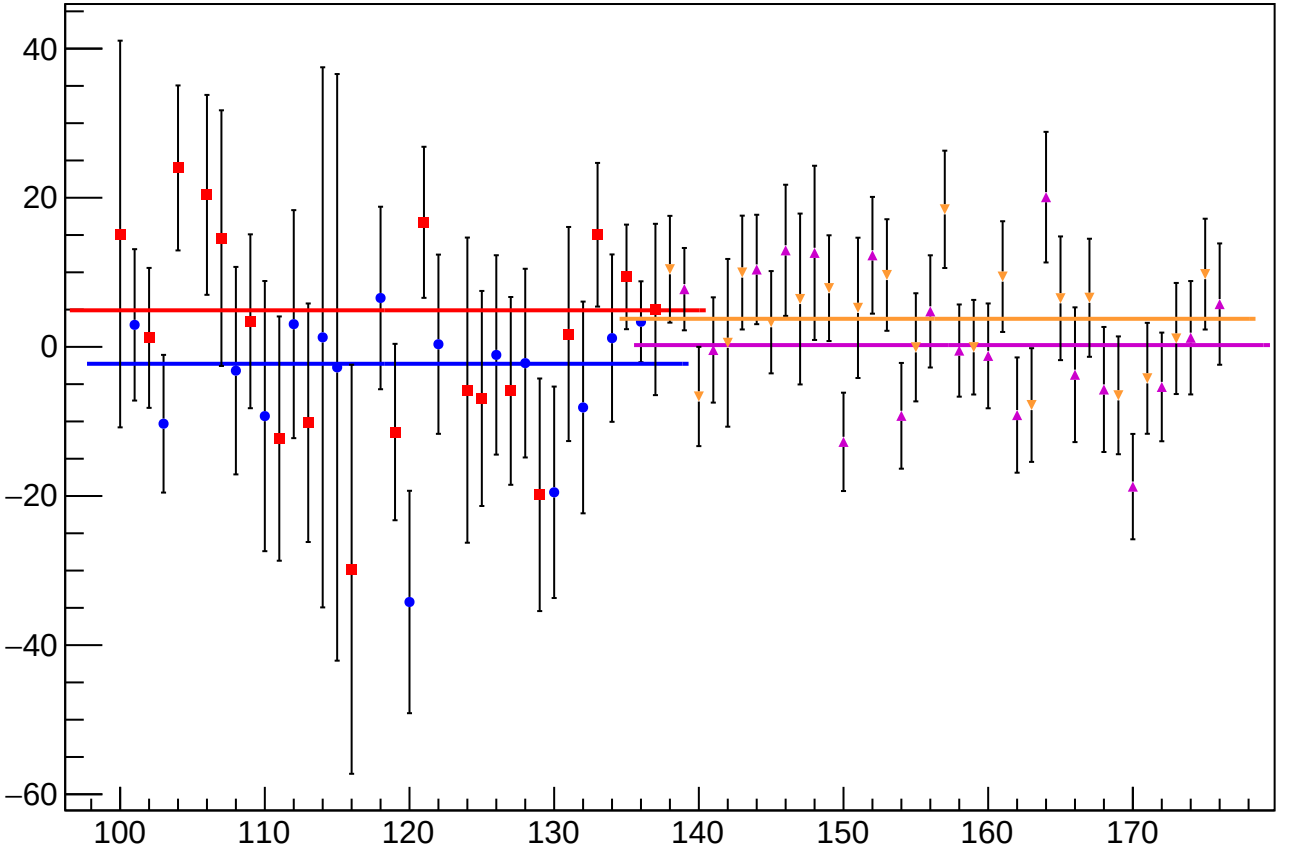
Left In: 9069.069+/-1.637 χ^2/NDF:273531.0/18

+ sign 9759.371+/-1.481 χ^2/NDF: 2421630.7/35

All: 9837.811+/-1.057 χ^2/NDF: 5048277.3/73

- sign 9919.258+/-1.509 χ^2/NDF: 2620925.9/37

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.765+/-1.712 χ^2/NDF:15.9/19

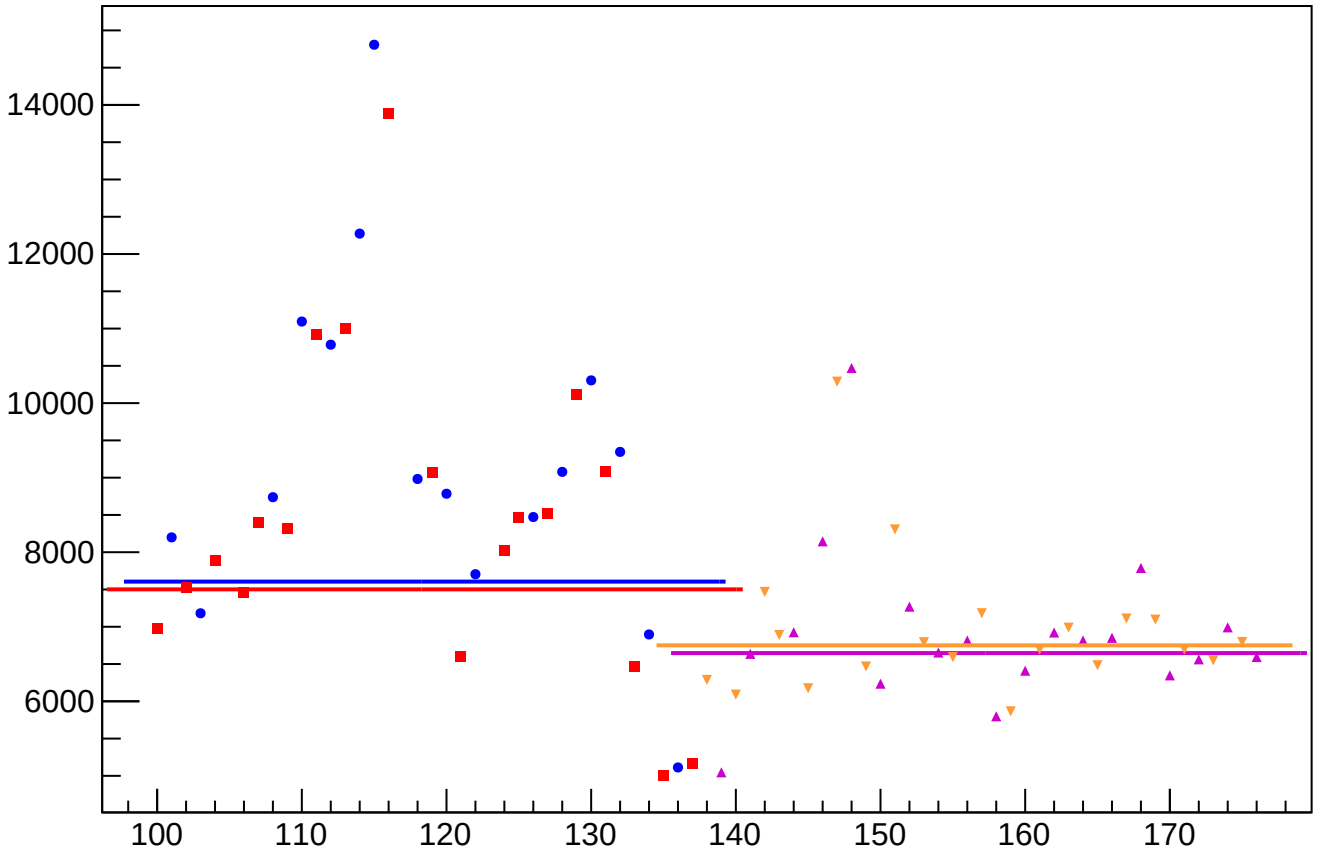
Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: 0.239+/-1.709 χ^2/NDF:31.0/18

+ sign 2.223+/-1.477 χ^2/NDF: 28.4/35

All: 1.849+/-1.040 χ^2/NDF: 79.1/73

- sign 1.482+/-1.464 χ^2/NDF: 50.6/37



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6750.566+/-1.211 χ^2/NDF:359187.5/19

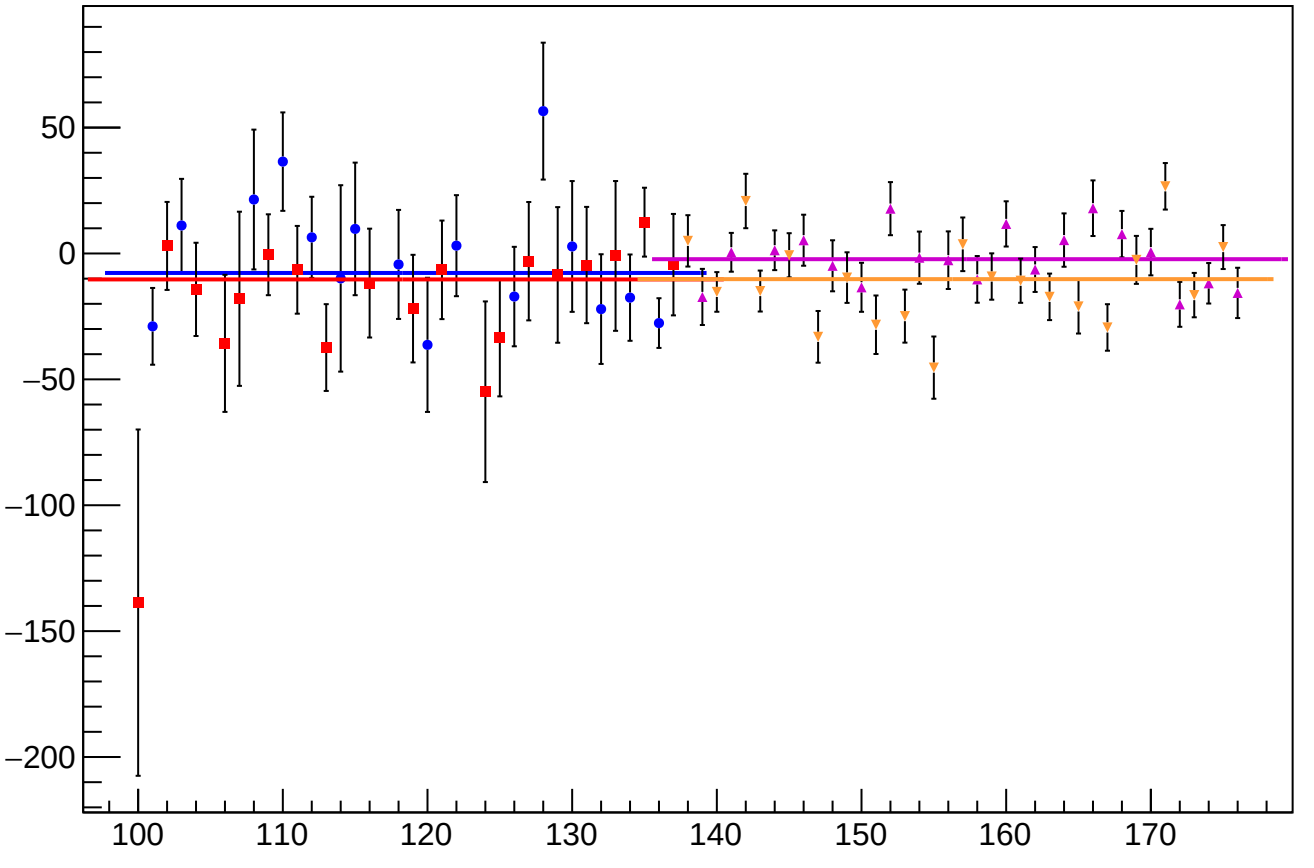
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6647.025+/-1.208 χ^2/NDF:553966.9/18

+ sign 6969.105+/-1.045 χ^2/NDF: 1378194.9/35

All: 6921.433+/-0.735 χ^2/NDF: 2893058.2/73

- sign 6874.632+/-1.035 χ^2/NDF: 1510735.3/37



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -10.195+/-2.136 χ^2/NDF:56.7/19

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

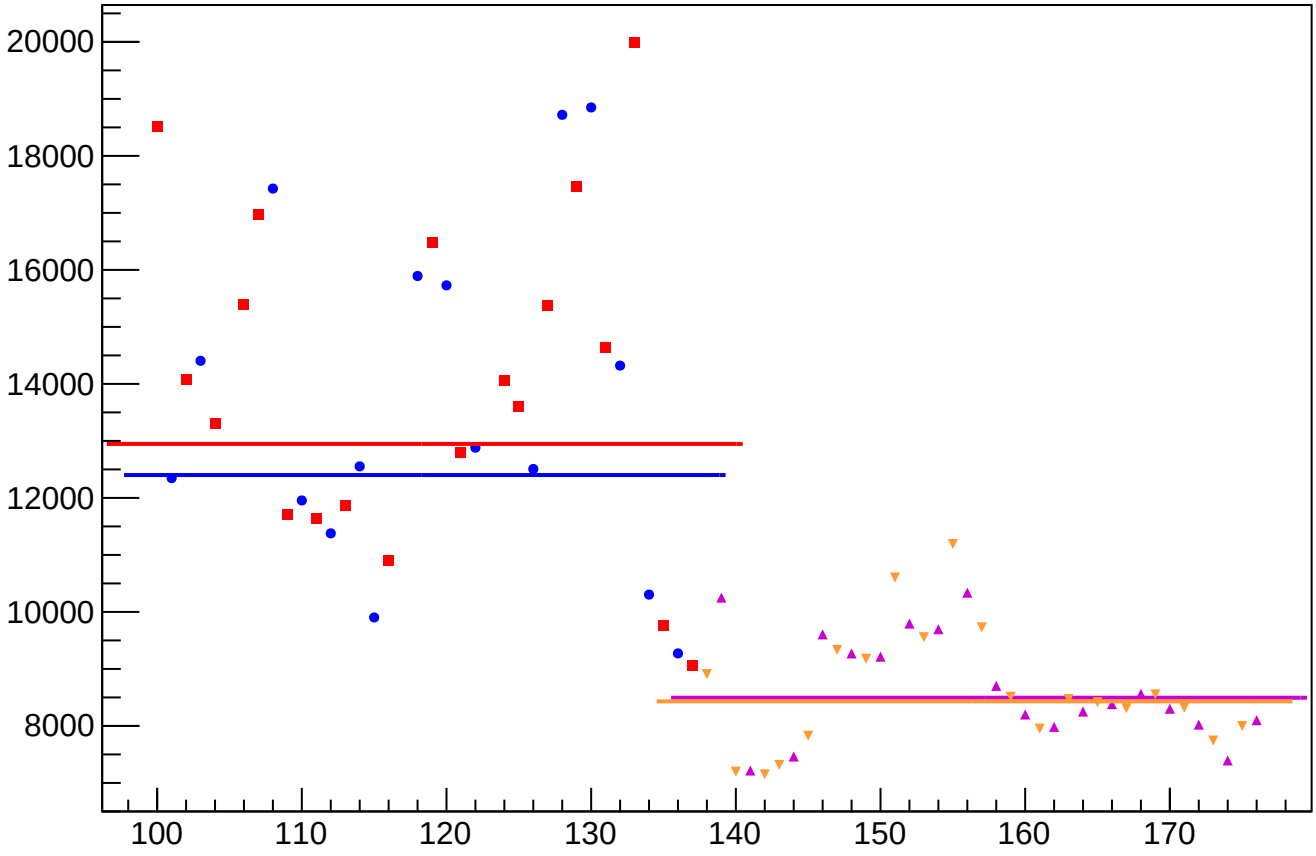
Left In: -2.270+/-2.171 χ^2/NDF:23.5/18

\+ sign -9.782+/-1.948 χ^2/NDF: 79.6/35

All: -6.751+/-1.389 χ^2/NDF: 124.2/73

\- sign -3.617+/-1.981 χ^2/NDF: 39.7/37

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8430.552+/-1.510 χ^2/NDF:401477.1/19

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

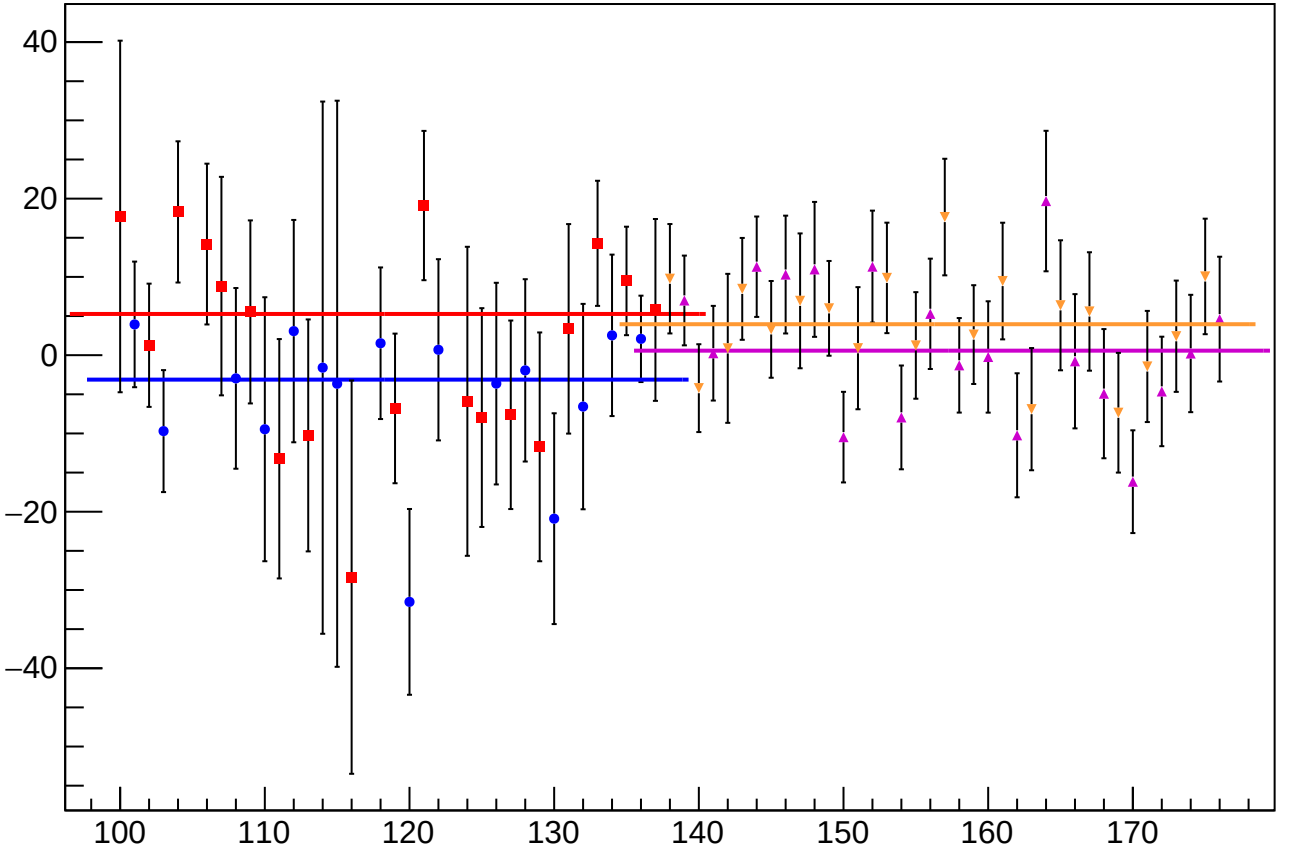
Left In: 8494.885+/-1.535 χ^2/NDF:352725.4/18

+ sign 9098.958+/-1.377 χ^2/NDF: 2243341.1/35

All: 9168.751+/-0.982 χ^2/NDF: 4565531.1/73

- sign 9240.940+/-1.401 χ^2/NDF: 2316967.1/37

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.955+/-1.588 χ^2/NDF:14.2/19

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

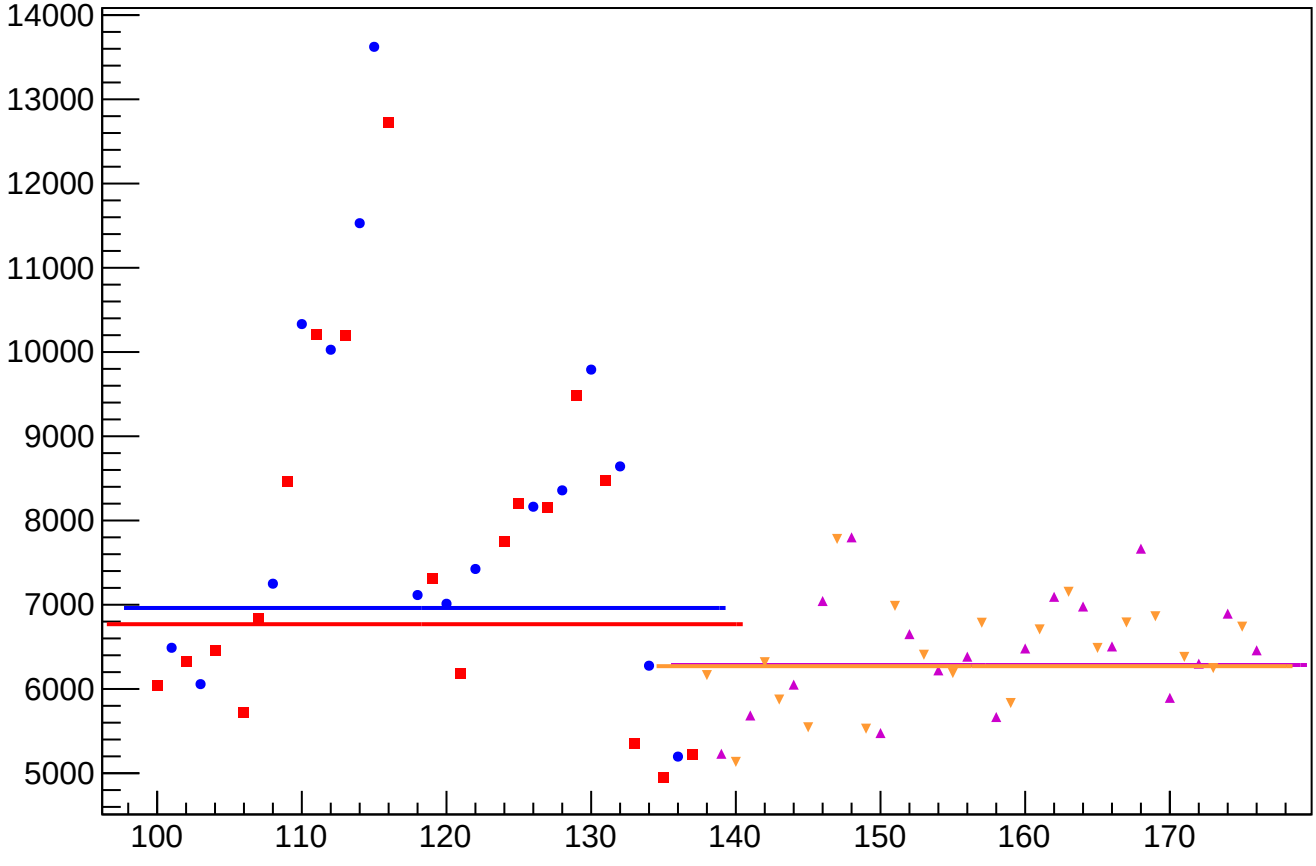
Left In: 0.577+/-1.609 χ^2/NDF:29.5/18

+ sign 2.091+/-1.363 χ^2/NDF: 30.3/35

All: 2.000+/-0.963 χ^2/NDF: 79.1/73

- sign 1.909+/-1.361 χ^2/NDF: 48.8/37

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6270.746+/-1.123 χ^2/NDF:309875.5/19

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

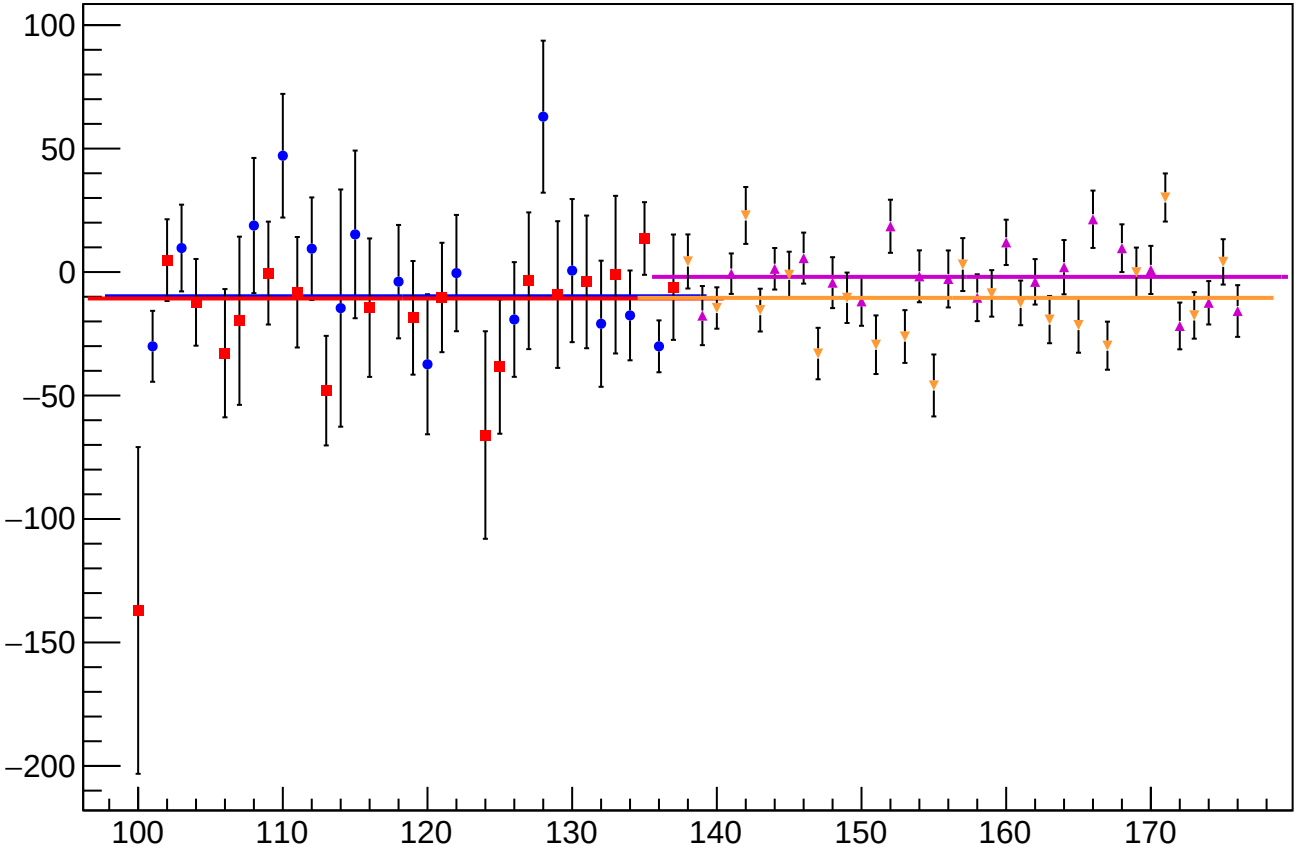
Left In: 6284.642+/-1.137 χ^2/NDF:350653.0/18

+ sign 6452.709+/-0.964 χ^2/NDF: 1105987.4/35

All: 6437.477+/-0.681 χ^2/NDF: 2306771.0/73

- sign 6422.288+/-0.962 χ^2/NDF: 1200284.7/37

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.453+/-2.230 χ^2/NDF:58.1/19

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

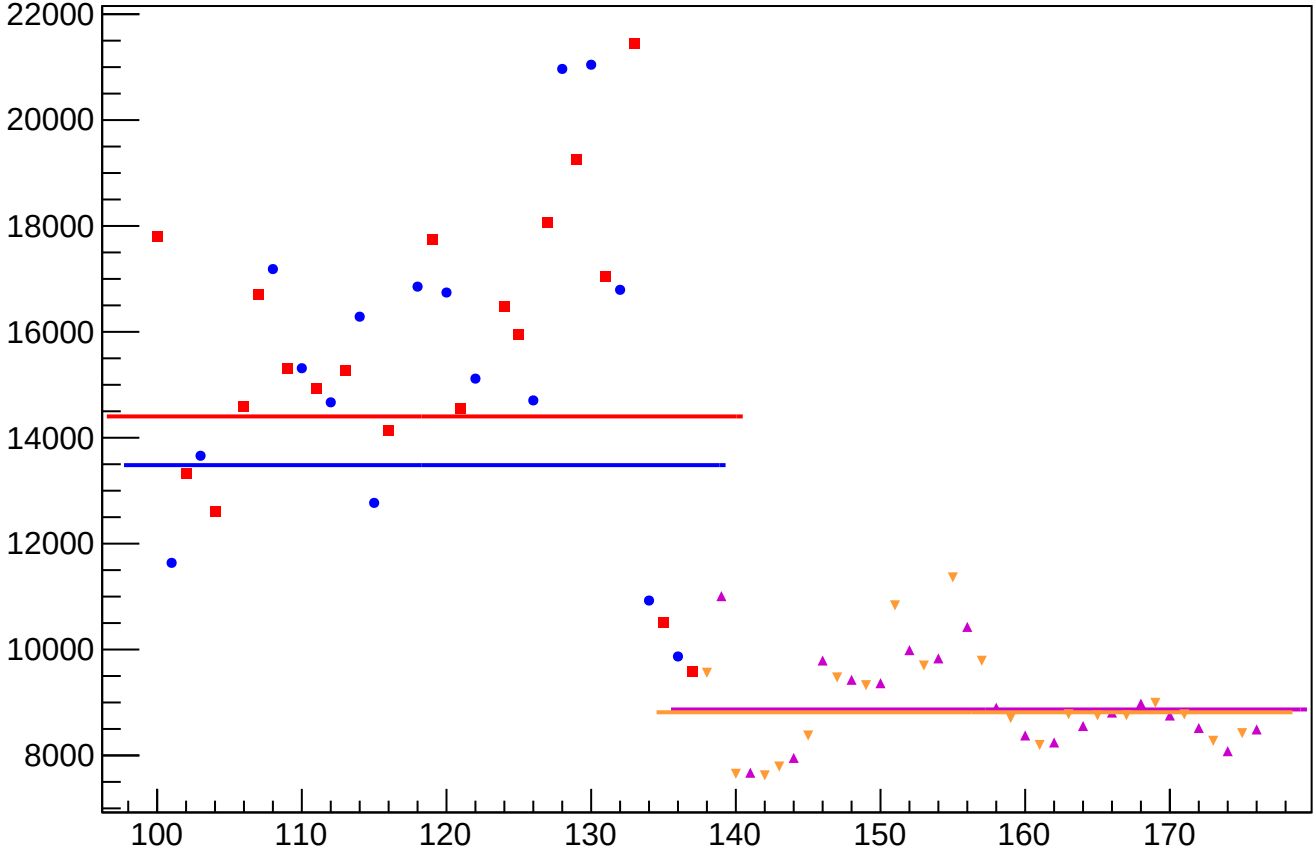
Left In: -1.948+/-2.264 χ^2/NDF:23.5/18

+ sign -10.352+/-2.048 χ^2/NDF: 80.2/35

All: -6.875+/-1.462 χ^2/NDF: 126.2/73

- sign -3.265+/-2.087 χ^2/NDF: 40.1/37

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8814.910+/-1.577 χ^2/NDF:305637.8/19

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

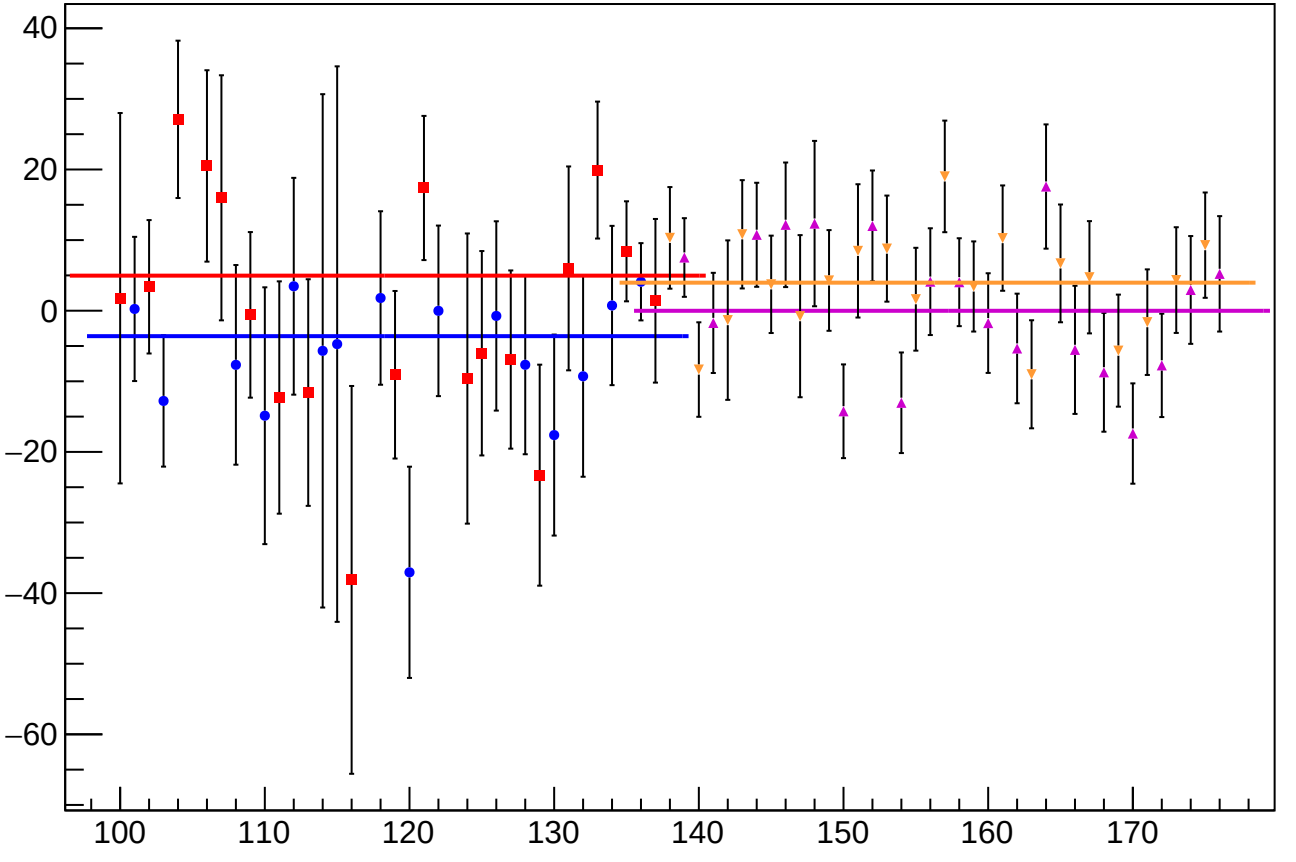
Left In: 8868.073+/-1.601 χ^2/NDF:270661.1/18

+ sign 9545.032+/-1.448 χ^2/NDF: 2420485.1/35

All: 9621.274+/-1.033 χ^2/NDF: 5047112.1/73

- sign 9700.428+/-1.475 χ^2/NDF: 2620976.8/37

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.970+/-1.720 χ^2/NDF:16.0/19

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

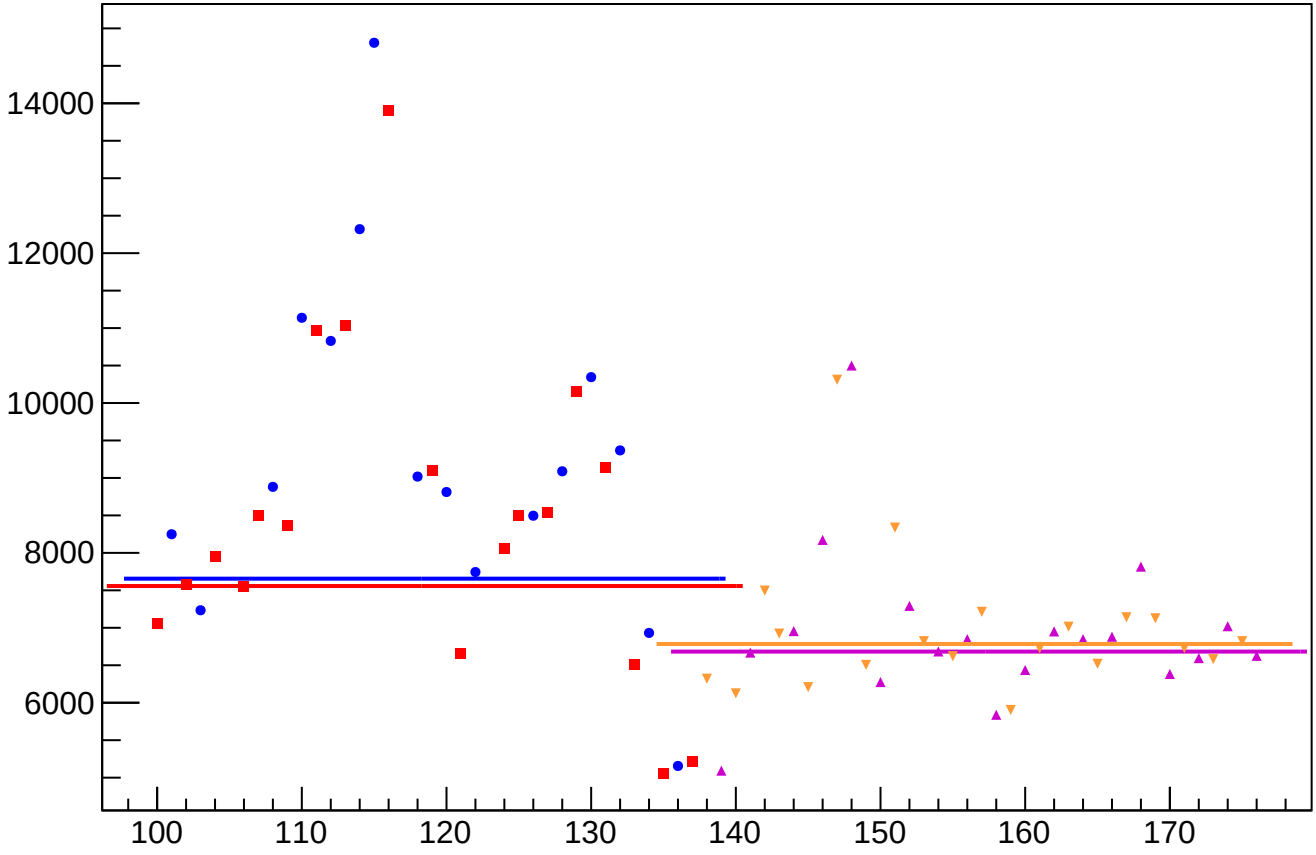
Left In: -0.013+/-1.717 χ^2/NDF:31.7/18

+ sign 2.038+/-1.485 χ^2/NDF: 31.4/35

All: 1.670+/-1.045 χ^2/NDF: 86.8/73

- sign 1.309+/-1.472 χ^2/NDF: 55.3/37

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6783.902+/-1.216 χ^2/NDF:354530.0/19

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

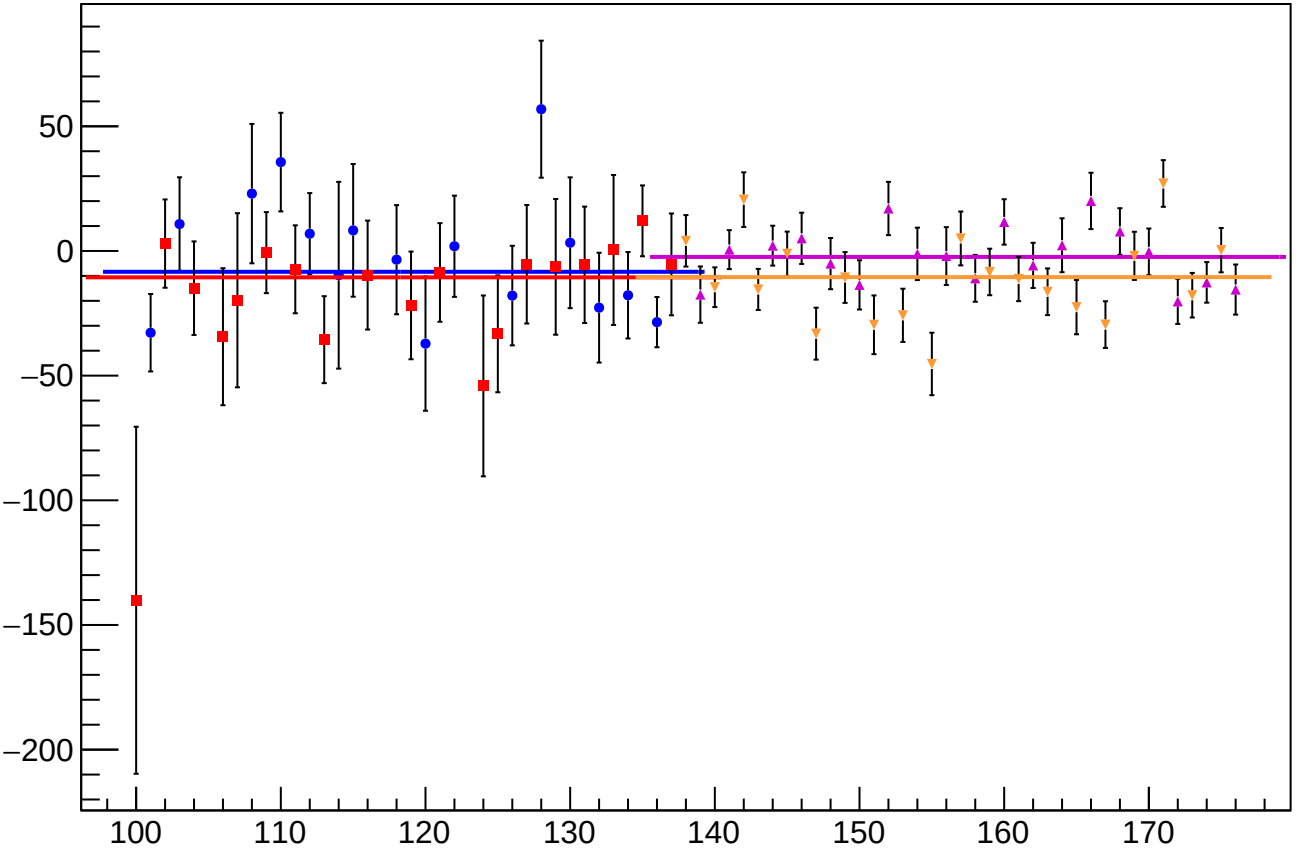
Left In: 6682.426+/-1.214 χ^2/NDF:543086.0/18

+ sign 7006.294+/-1.050 χ^2/NDF: 1365356.6/35

All: 6960.198+/-0.739 χ^2/NDF: 2860057.8/73

- sign 6914.904+/-1.041 χ^2/NDF: 1490879.2/37

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.485+/-2.165 χ^2/NDF:55.8/19

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

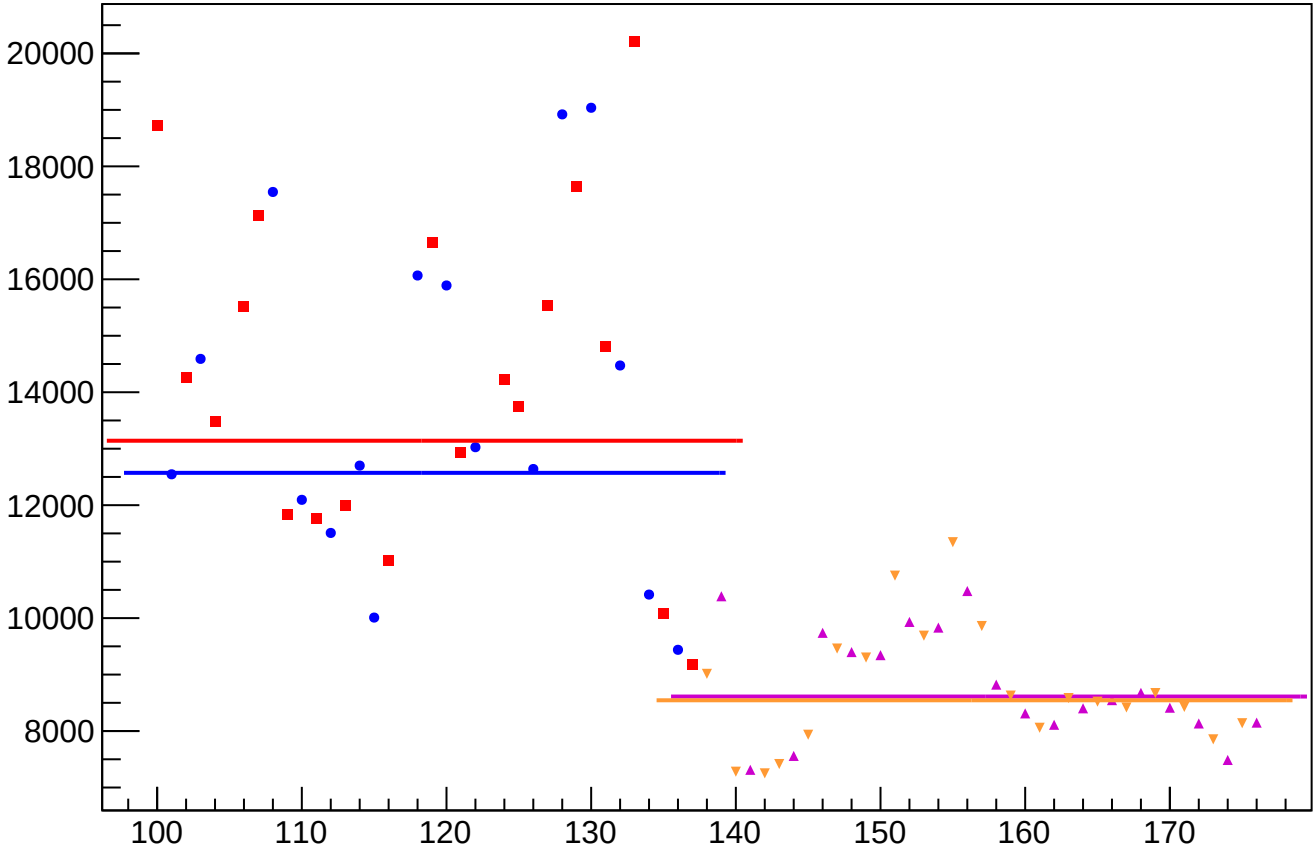
Left In: -2.394+/-2.202 χ^2/NDF:23.3/18

+ sign -10.126+/-1.975 χ^2/NDF: 79.2/35

All: -7.000+/-1.408 χ^2/NDF: 122.9/73

- sign -3.763+/-2.009 χ^2/NDF: 38.5/37

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8544.880+/-1.531 χ^2/NDF:401993.4/19

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

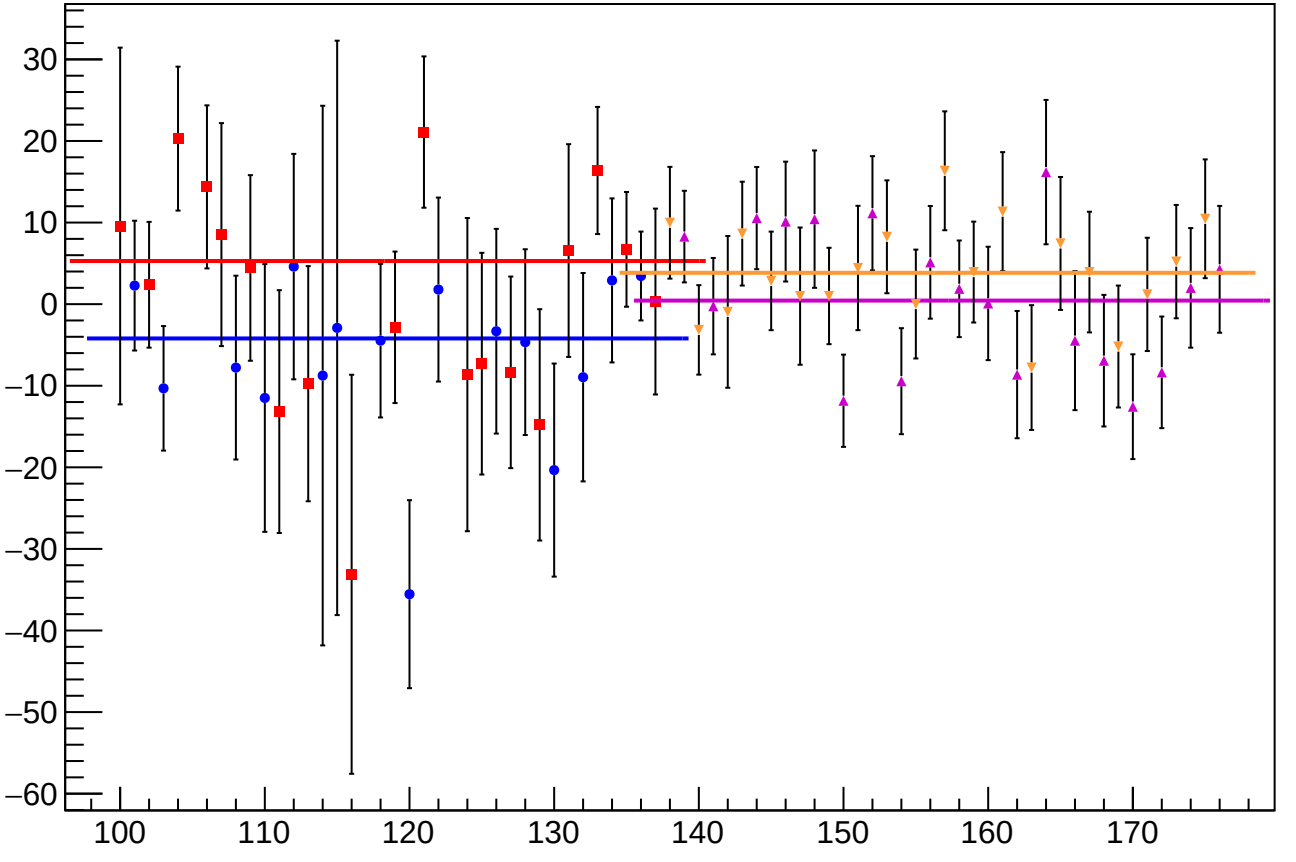
Left In: 8611.158+/-1.557 χ^2/NDF:354369.6/18

+ sign 9222.557+/-1.396 χ^2/NDF: 2231602.0/35

All: 9294.637+/-0.996 χ^2/NDF: 4543161.3/73

- sign 9369.251+/-1.421 χ^2/NDF: 2306135.3/37

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.845+/-1.554 χ^2/NDF:13.4/19

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

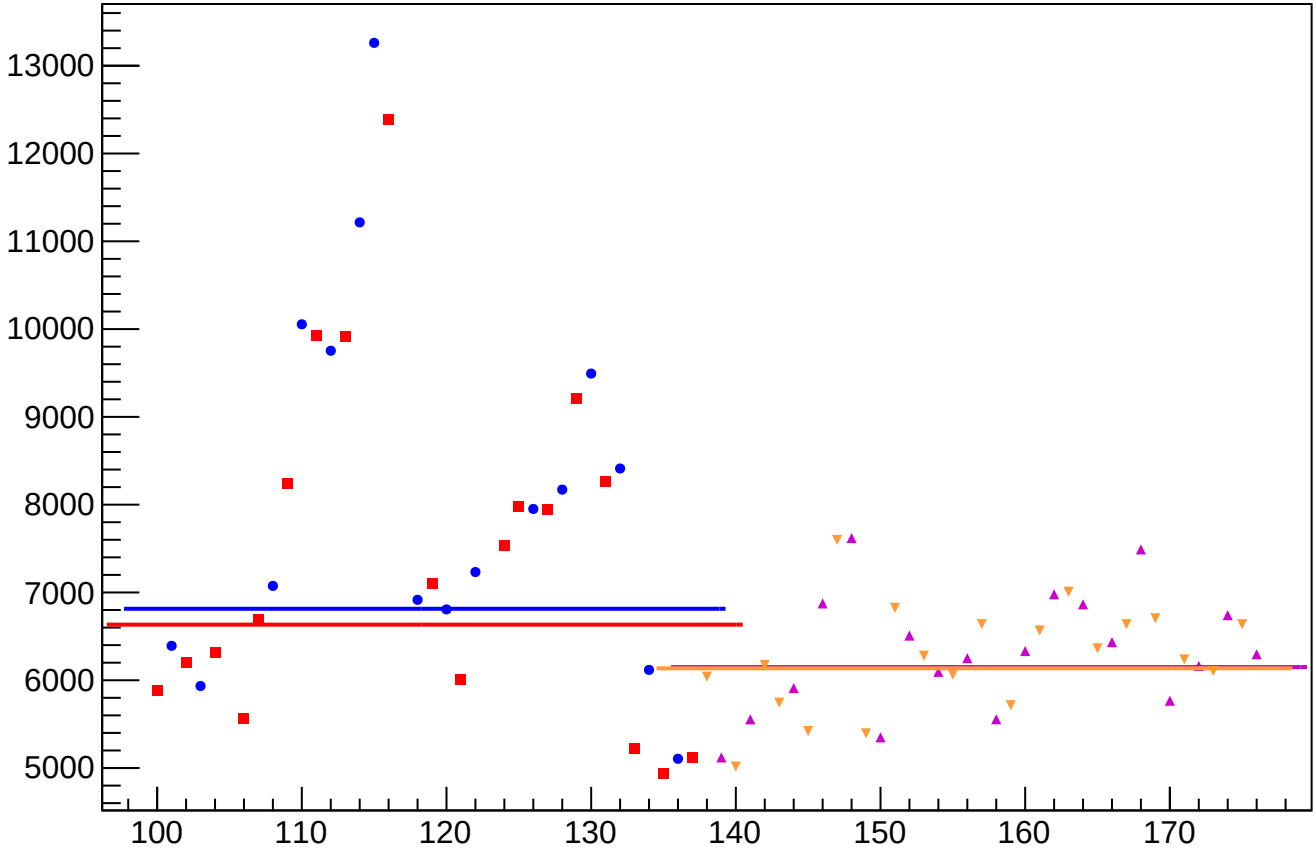
Left In: 0.438+/-1.575 χ^2/NDF:29.3/18

+ sign 1.727+/-1.334 χ^2/NDF: 34.3/35

All: 1.770+/-0.943 χ^2/NDF: 86.0/73

- sign 1.814+/-1.333 χ^2/NDF: 51.8/37

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6135.642+/-1.099 χ^2/NDF:312815.7/19

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

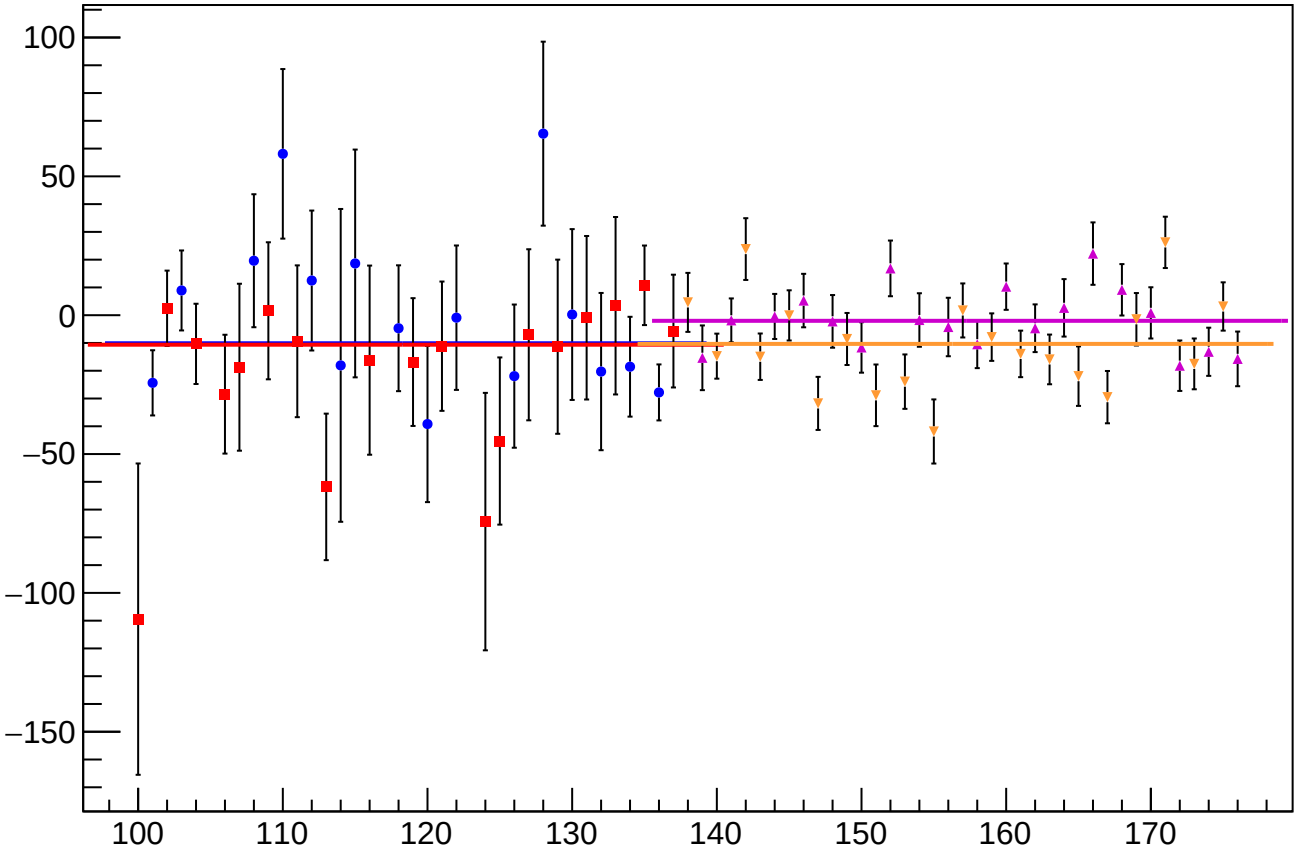
Left In: 6150.239+/-1.114 χ^2/NDF:352211.9/18

+ sign 6314.226+/-0.943 χ^2/NDF: 1087283.7/35

All: 6300.810+/-0.667 χ^2/NDF: 2256732.6/73

- sign 6287.417+/-0.942 χ^2/NDF: 1169044.6/37

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -10.335+/-2.103 χ^2/NDF:57.6/19

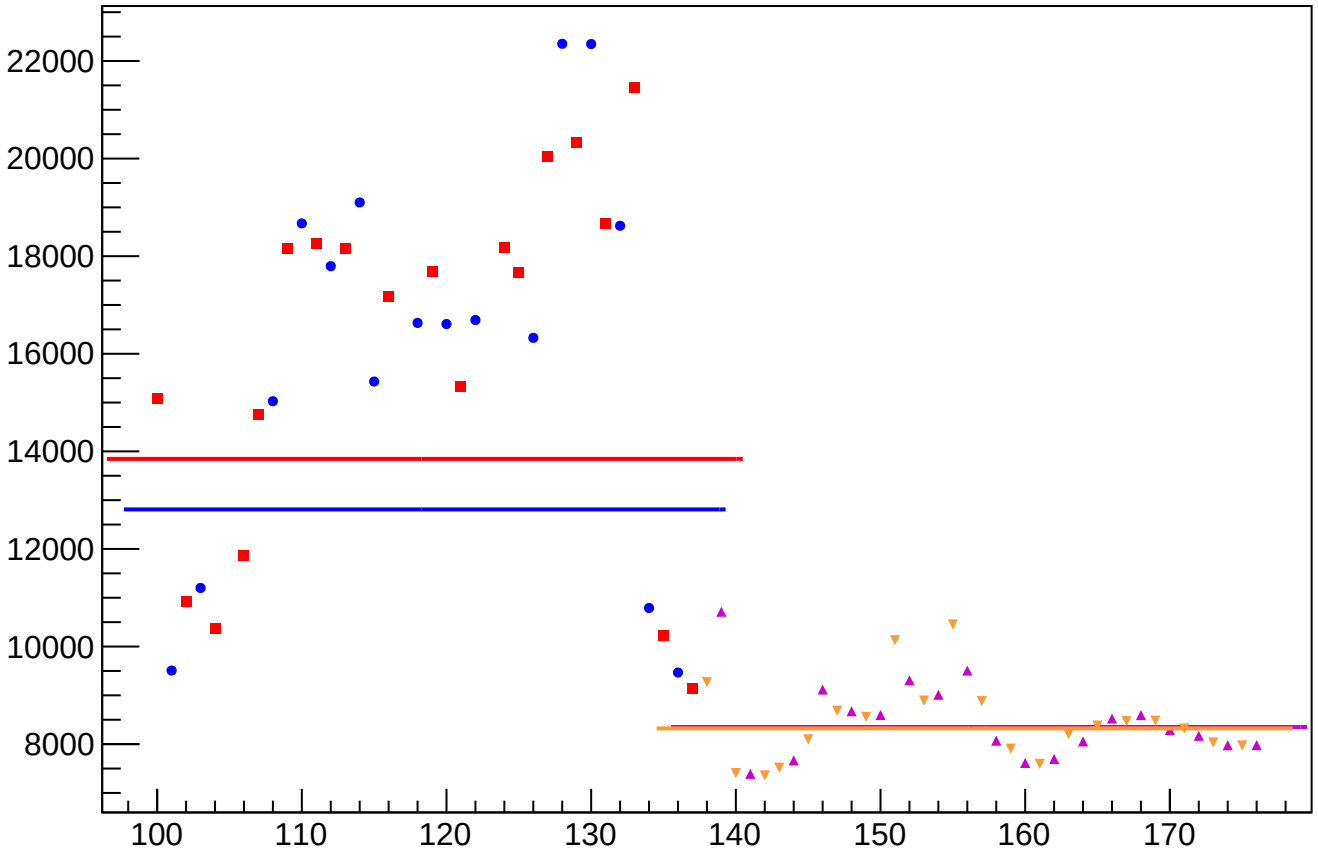
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -2.024+/-2.131 χ^2/NDF:23.0/18

+ sign -10.302+/-1.939 χ^2/NDF: 78.9/35

All: -6.832+/-1.384 χ^2/NDF: 125.4/73

- sign -3.230+/-1.976 χ^2/NDF: 40.0/37



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8322.570+/-1.487 χ^2/NDF:241229.0/19

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

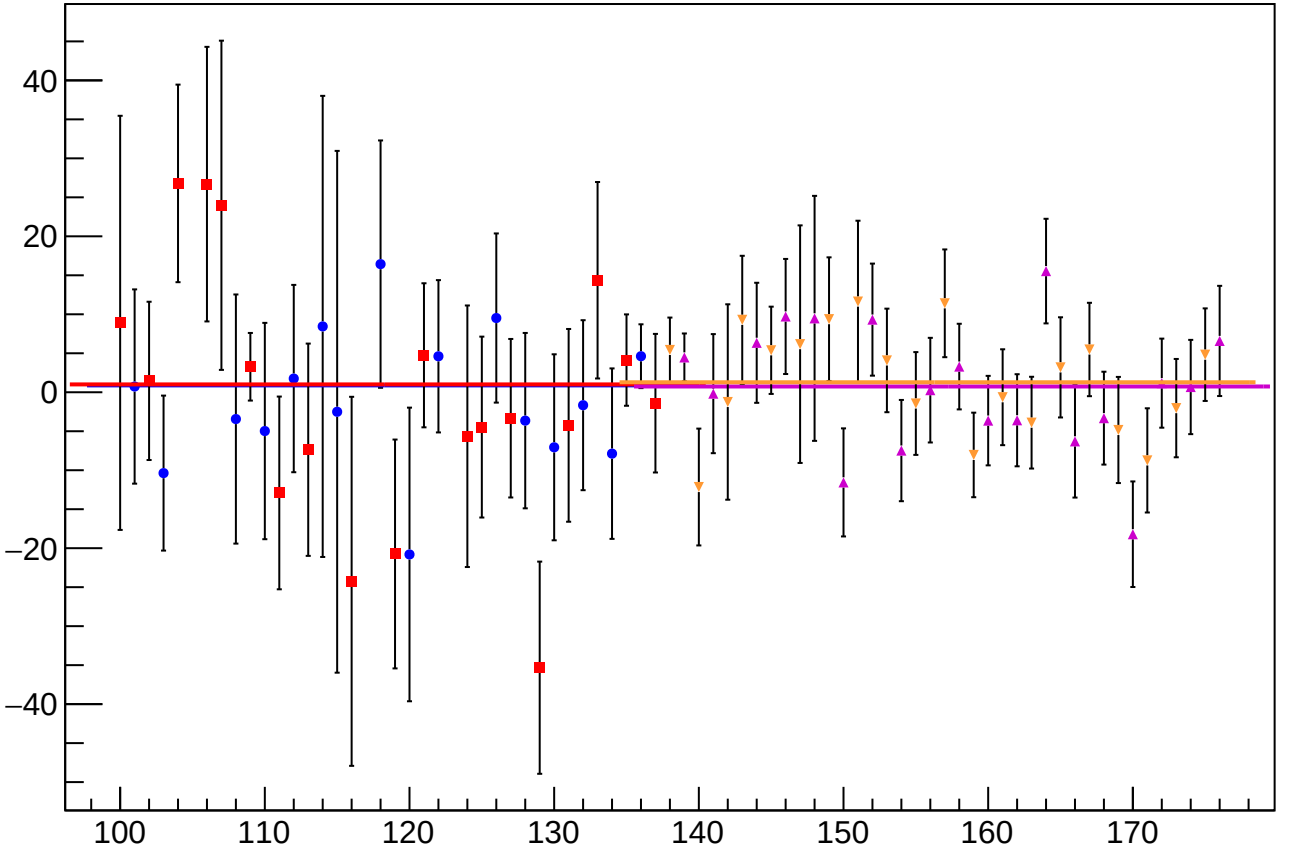
Left In: 8352.106+/-1.507 χ^2/NDF:234567.5/18

+ sign 8993.061+/-1.371 χ^2/NDF: 2850323.1/35

All: 9056.547+/-0.979 χ^2/NDF: 6049588.6/73

- sign 9122.449+/-1.397 χ^2/NDF: 3194897.6/37

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.281+/-1.468 χ^2/NDF:18.5/19

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

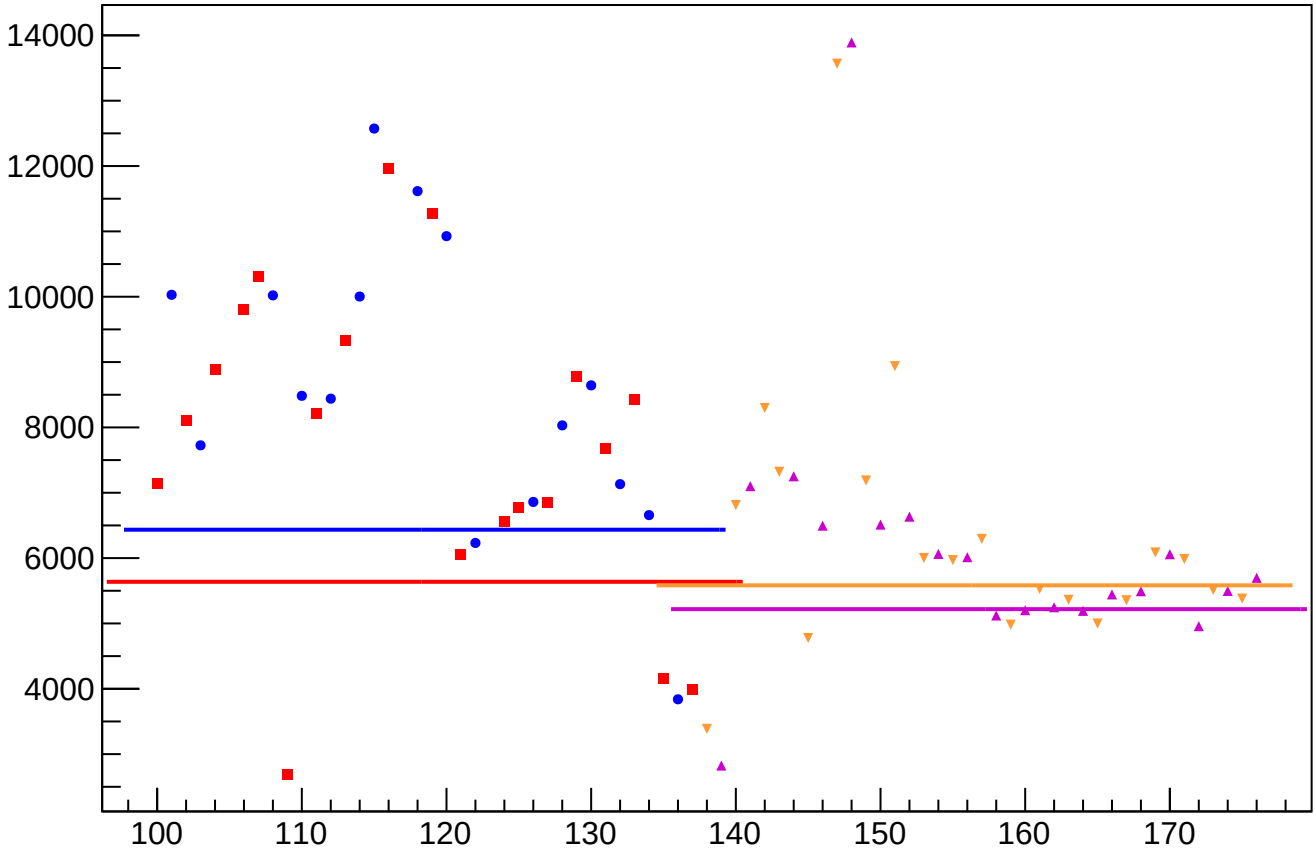
Left In: 0.740+/-1.400 χ^2/NDF:26.1/18

+ sign 1.183+/-1.274 χ^2/NDF: 25.3/35

All: 0.985+/-0.873 χ^2/NDF: 73.8/73

- sign 0.811+/-1.198 χ^2/NDF: 48.5/37

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5582.976+/-1.038 χ^2/NDF:1782109.8/19

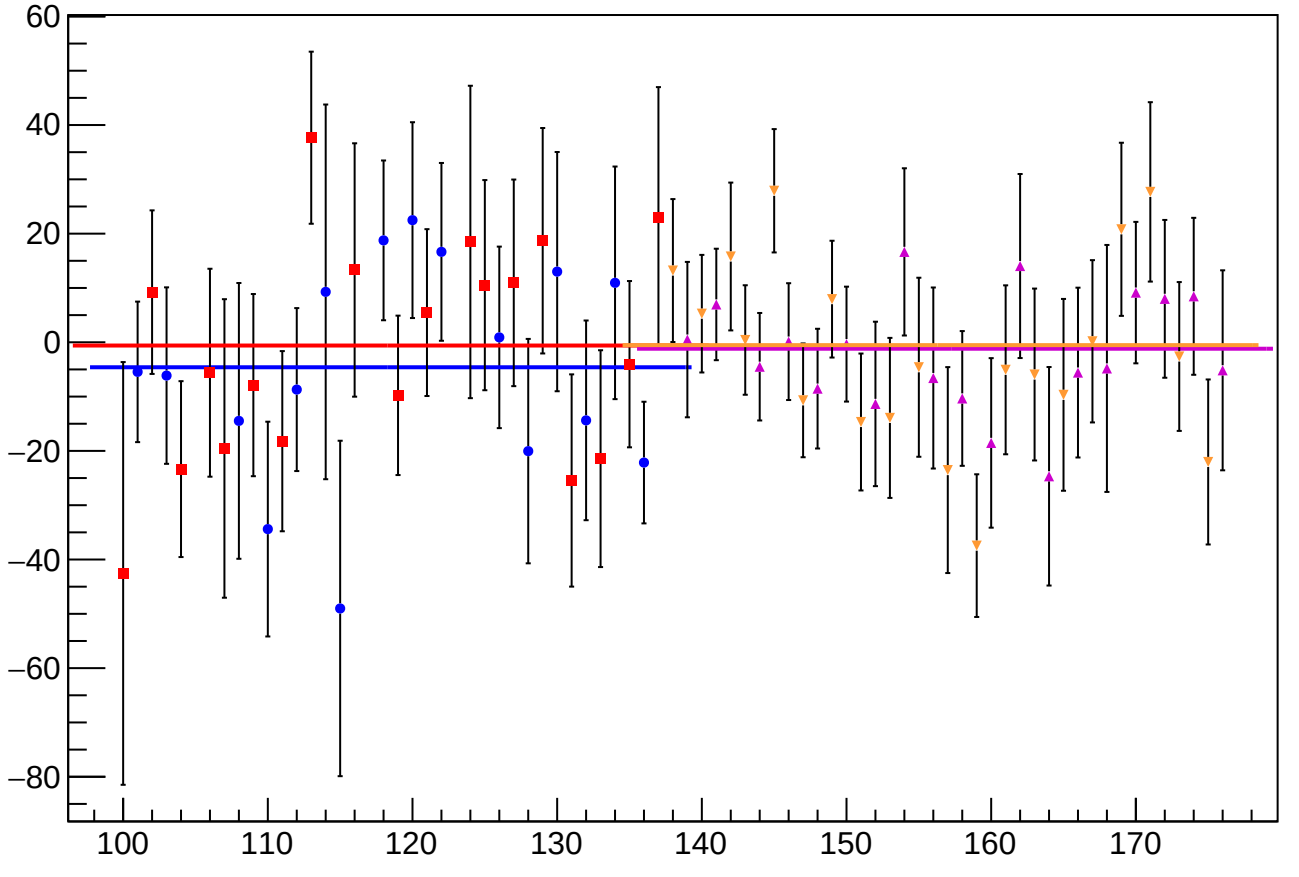
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5218.660+/-0.990 χ^2/NDF:2408860.2/18

\+ sign 5792.987+/-0.901 χ^2/NDF: 3698664.4/35

All: 5547.646+/-0.617 χ^2/NDF: 8875109.5/73

\- sign 5330.864+/-0.847 χ^2/NDF: 5036806.7/37



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.527+/-2.997 χ^2/NDF:29.4/19

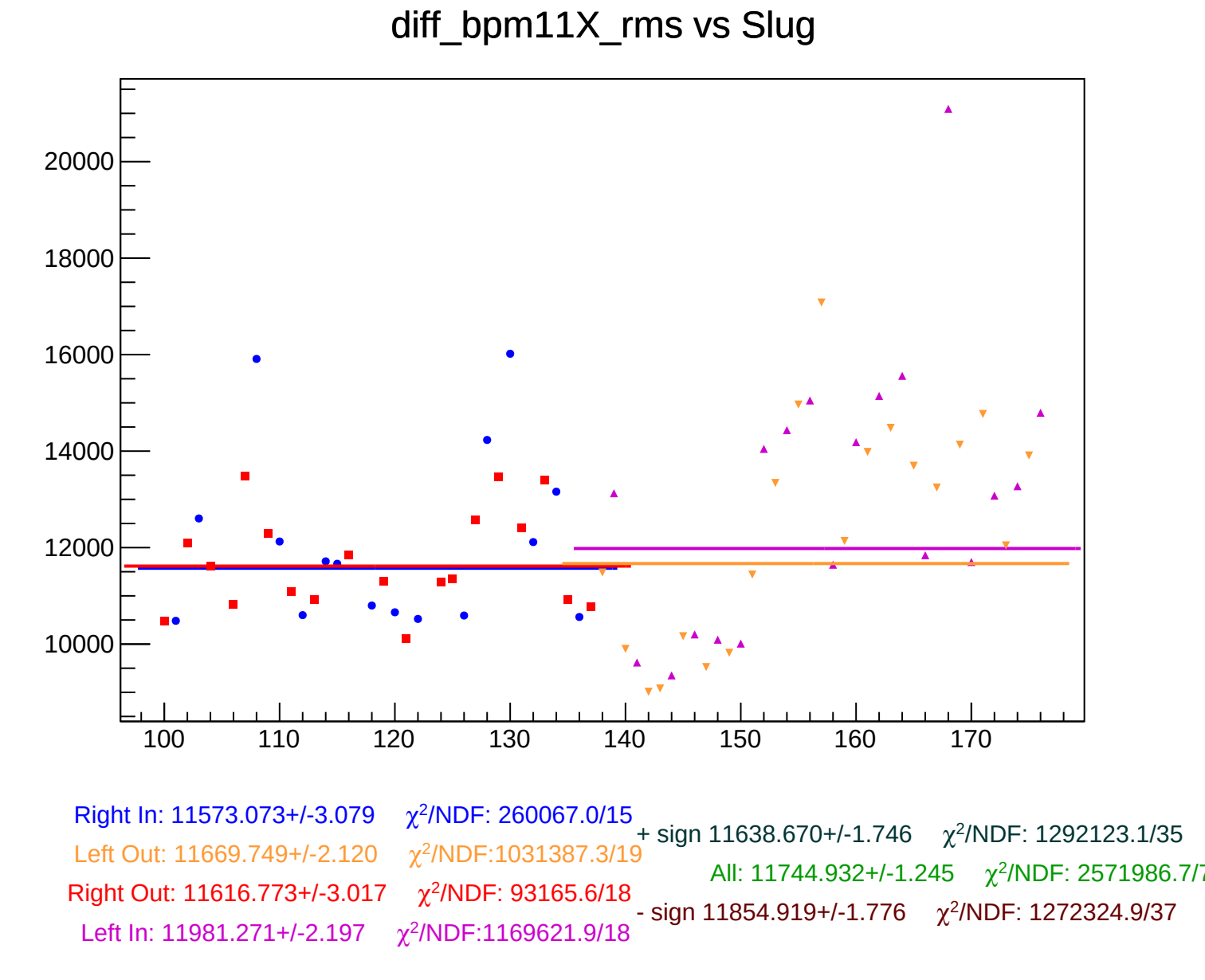
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -1.189+/-3.108 χ^2/NDF:8.7/18

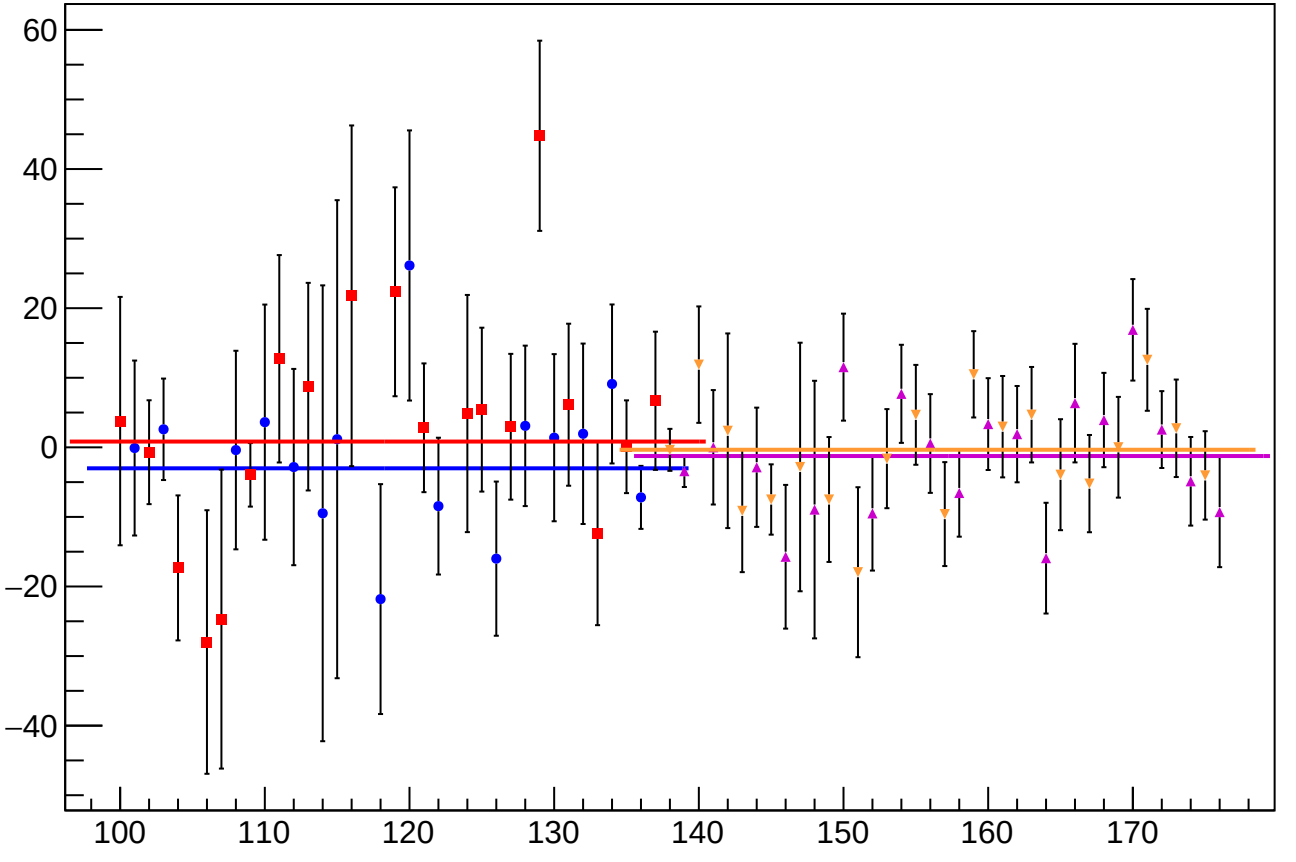
+ sign -1.837+/-2.469 χ^2/NDF: 45.7/35

All: -1.418+/-1.761 χ^2/NDF: 72.4/73

- sign -0.985+/-2.512 χ^2/NDF: 26.6/37


diff_bpm11X_rms vs Slug
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 11669.749+/-2.120 χ²/NDF:1031387.3/19
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 11981.271+/-2.197 χ²/NDF:1169621.9/18
+ sign 11638.670+/-1.746 χ²/NDF: 1292123.1/35
All: 11744.932+/-1.245 χ²/NDF: 2571986.7/7
- sign 11854.919+/-1.776 χ²/NDF: 1272324.9/37

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.346+/-1.498 χ^2/NDF:18.1/19

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

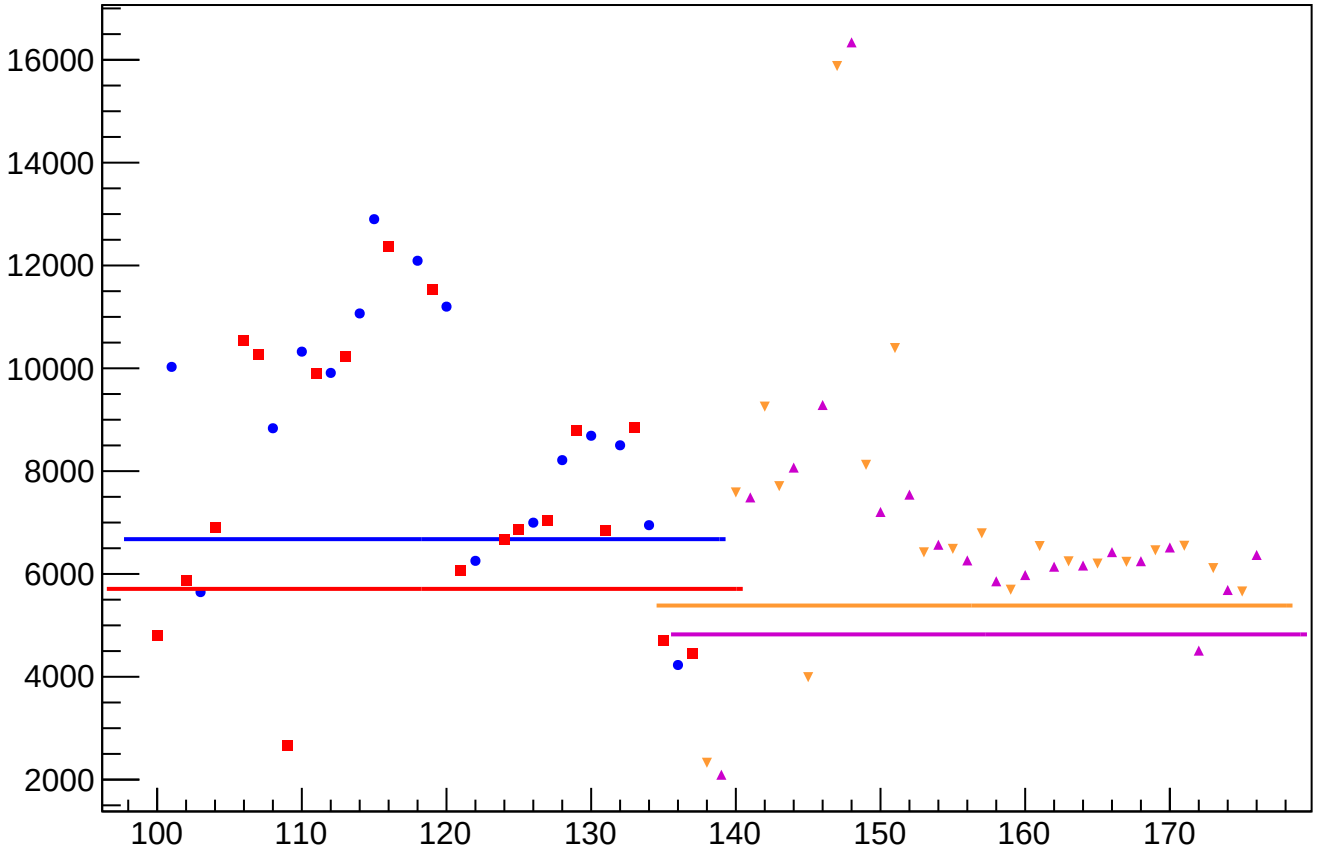
Left In: -1.250+/-1.390 χ^2/NDF:22.8/18

+ sign -0.991+/-1.304 χ^2/NDF: 27.5/35

All: -0.839+/-0.882 χ^2/NDF: 74.7/73

- sign -0.711+/-1.197 χ^2/NDF: 47.2/37

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5385.918+/-1.059 χ^2/NDF:4265450.2/19

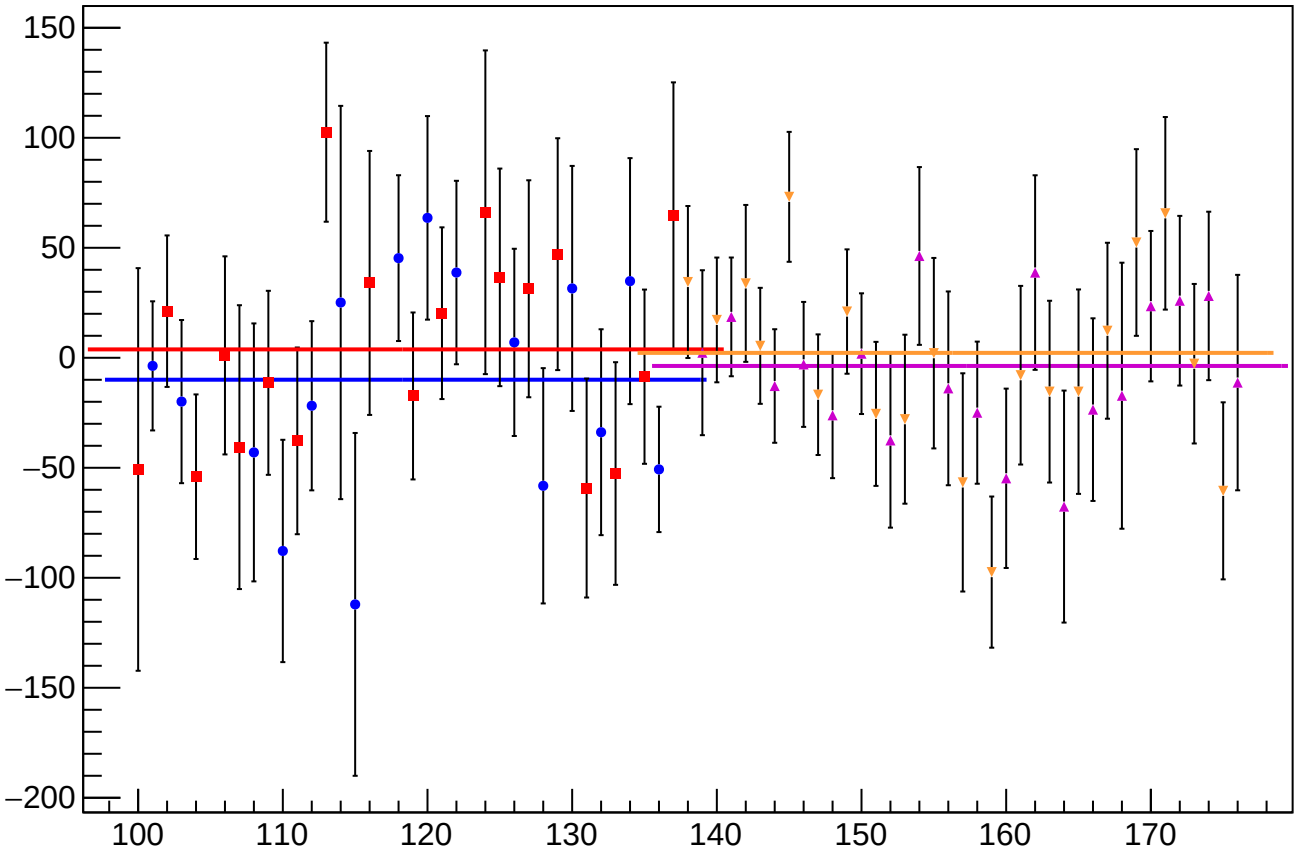
Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4824.569+/-0.983 χ^2/NDF:5755062.9/18

+ sign 5697.823+/-0.922 χ^2/NDF: 6197229.5/35

All: 5348.126+/-0.624 χ^2/NDF: 14728034.1/7

- sign 5053.825+/-0.846 χ^2/NDF: 8266125.5/37



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.233+/-7.864 χ^2/NDF:26.2/19

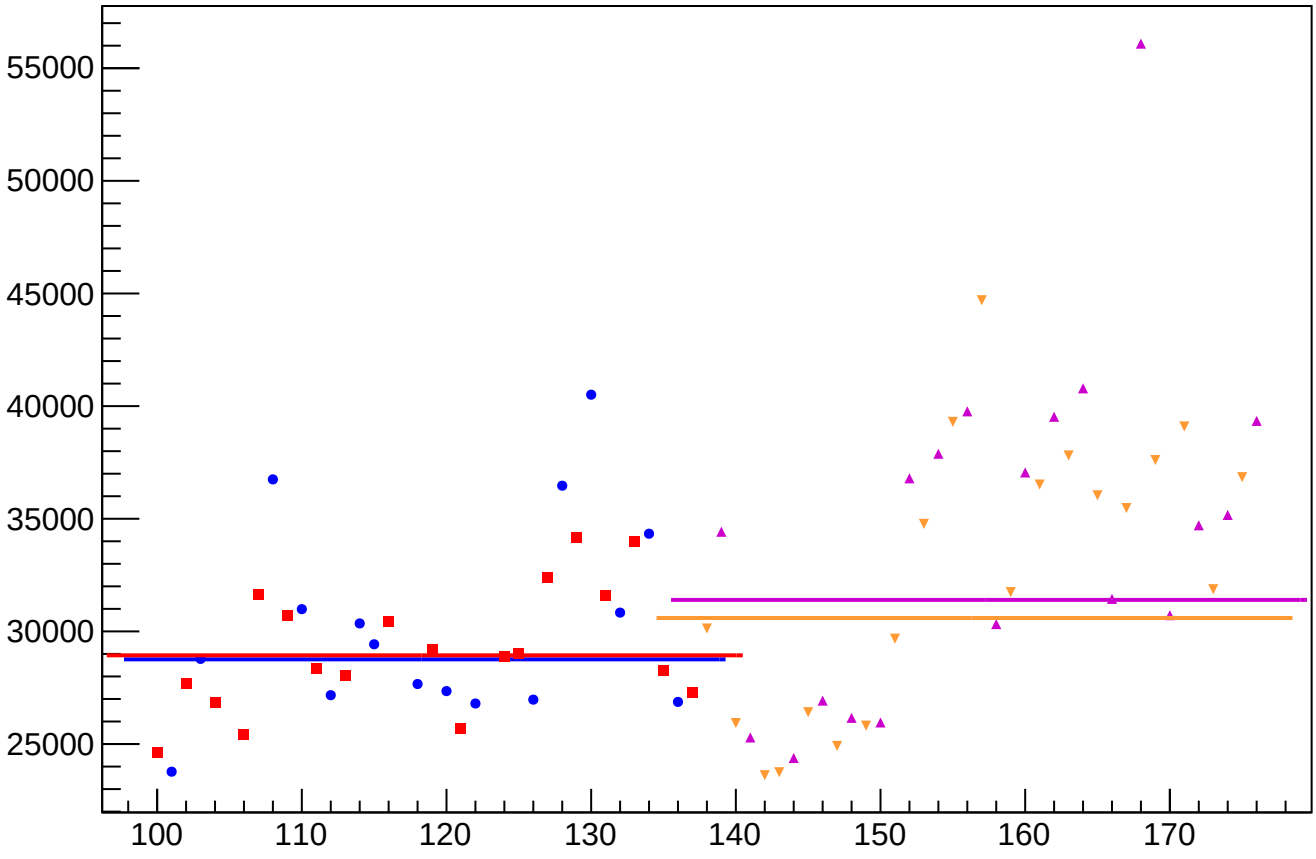
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.710+/-8.150 χ^2/NDF:10.4/18

+ sign -1.976+/-6.365 χ^2/NDF: 42.3/35

All: -1.460+/-4.537 χ^2/NDF: 70.4/73

- sign -0.927+/-6.469 χ^2/NDF: 28.0/37



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 30596.077+/-5.561 χ^2/NDF:1060948.6/19

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

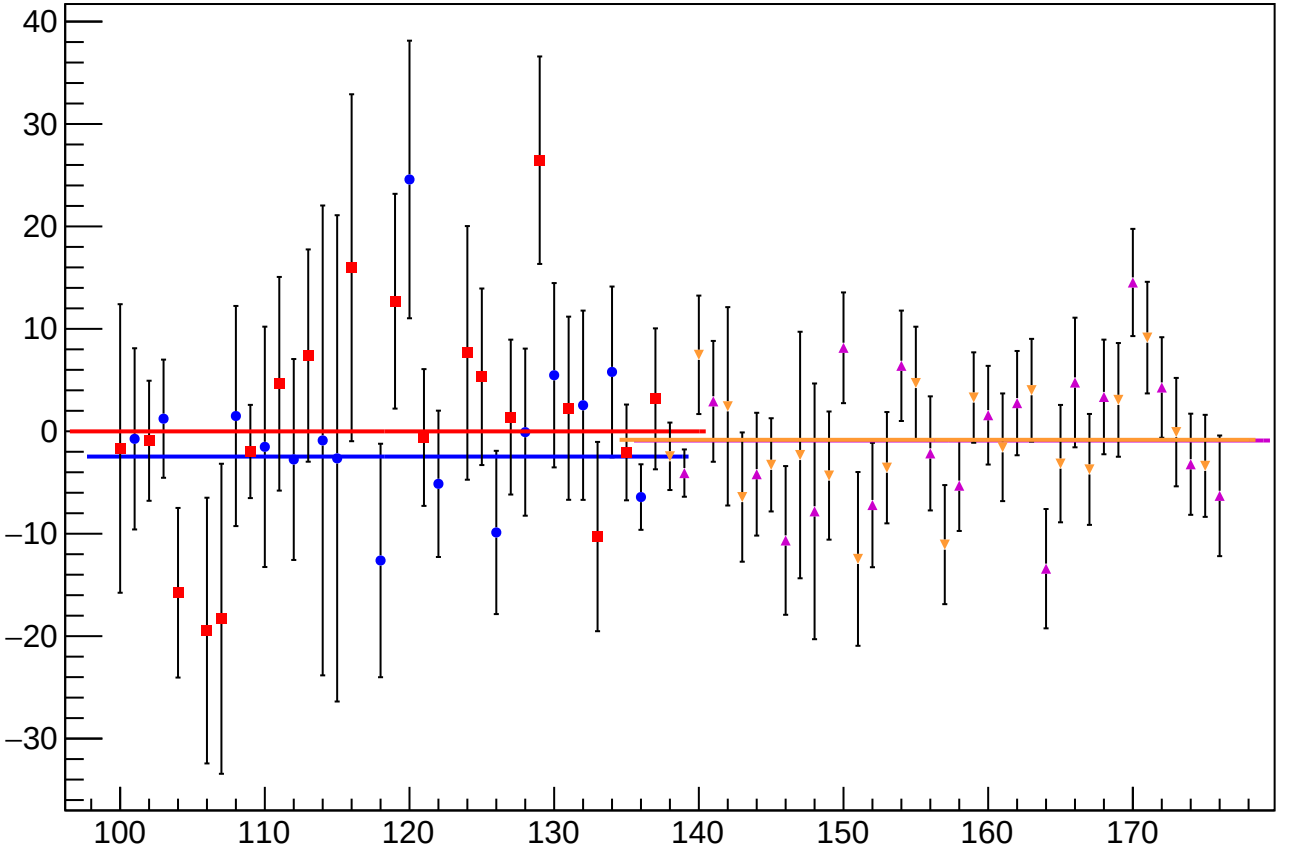
Left In: 31398.473+/-5.763 χ^2/NDF:1212326.2/18

+ sign 29962.381+/-4.500 χ^2/NDF: 1376236.9/35

All: 30220.976+/-3.208 χ^2/NDF: 2768996.6/7

- sign 30488.140+/-4.574 χ^2/NDF: 1386046.9/37

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.832+/-1.210 χ^2/NDF:16.5/19

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

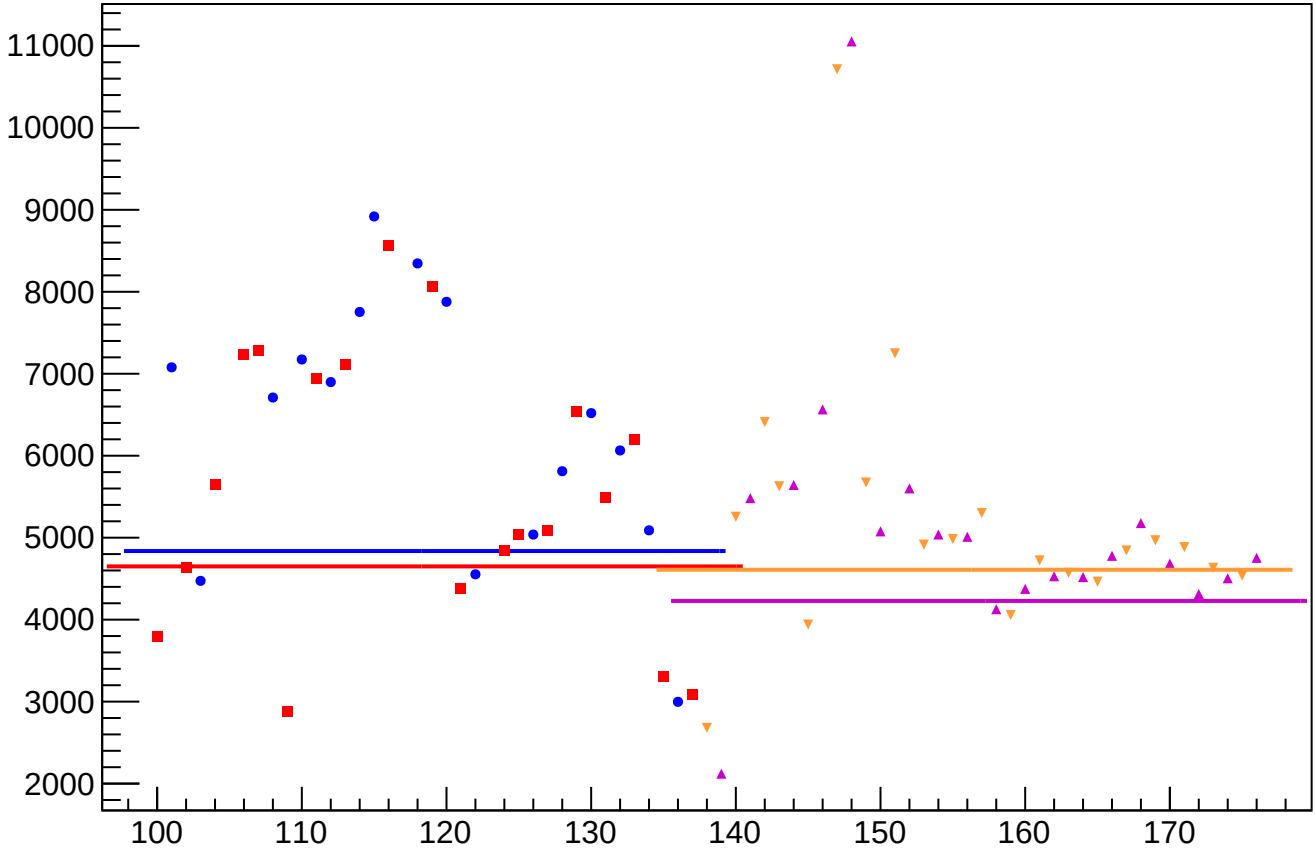
Left In: -0.900+/-1.144 χ^2/NDF:29.1/18

+ sign -1.299+/-1.023 χ^2/NDF: 27.0/35

All: -0.957+/-0.704 χ^2/NDF: 76.5/73

- sign -0.649+/-0.970 χ^2/NDF: 49.3/37

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4608.896+/-0.855 χ^2/NDF:1738010.0/19

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

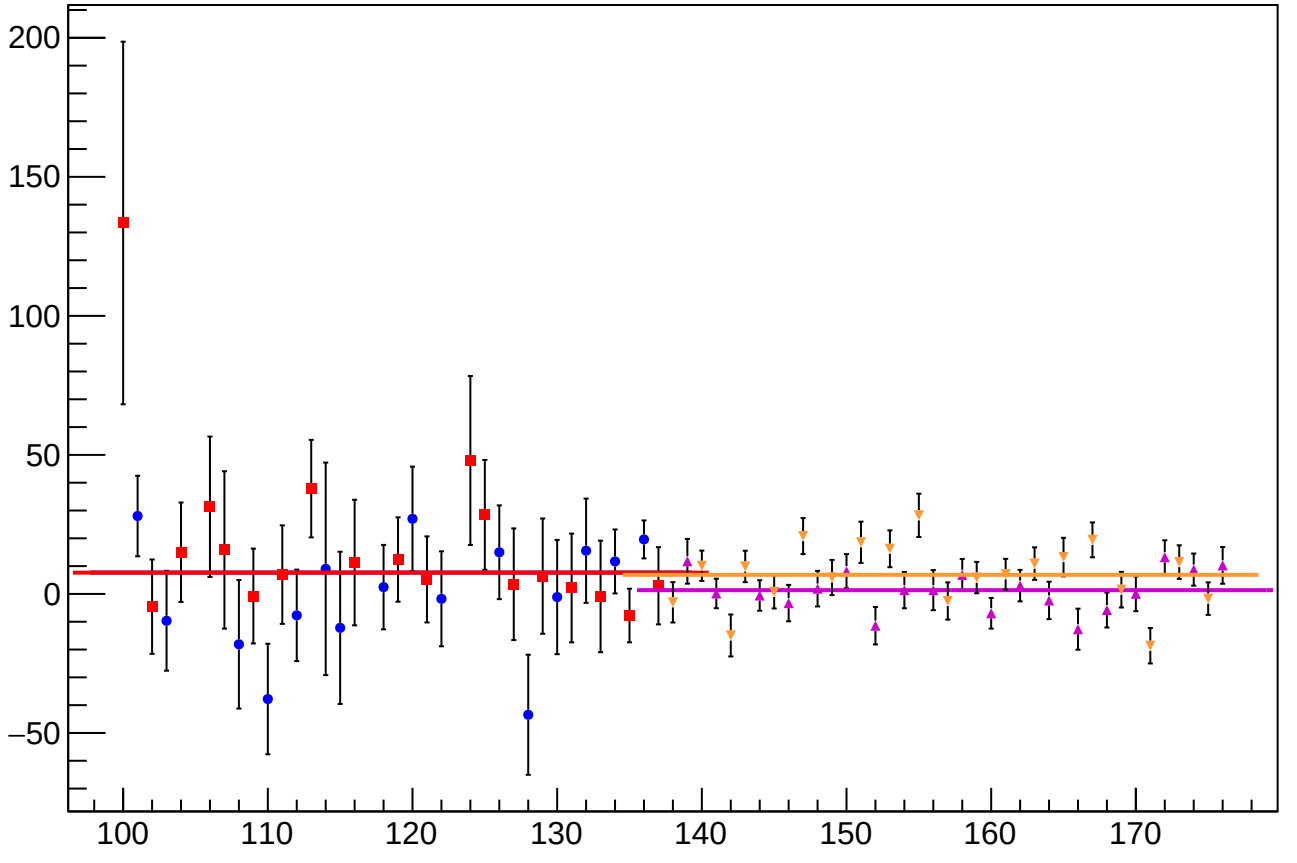
Left In: 4228.276+/-0.809 χ^2/NDF:3035424.9/18

+ sign 4673.986+/-0.723 χ^2/NDF: 3306080.1/35

All: 4501.615+/-0.498 χ^2/NDF: 7960218.9/73

- sign 4346.774+/-0.686 χ^2/NDF: 4546331.6/37

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.871+/-1.410 χ^2/NDF:55.4/19

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

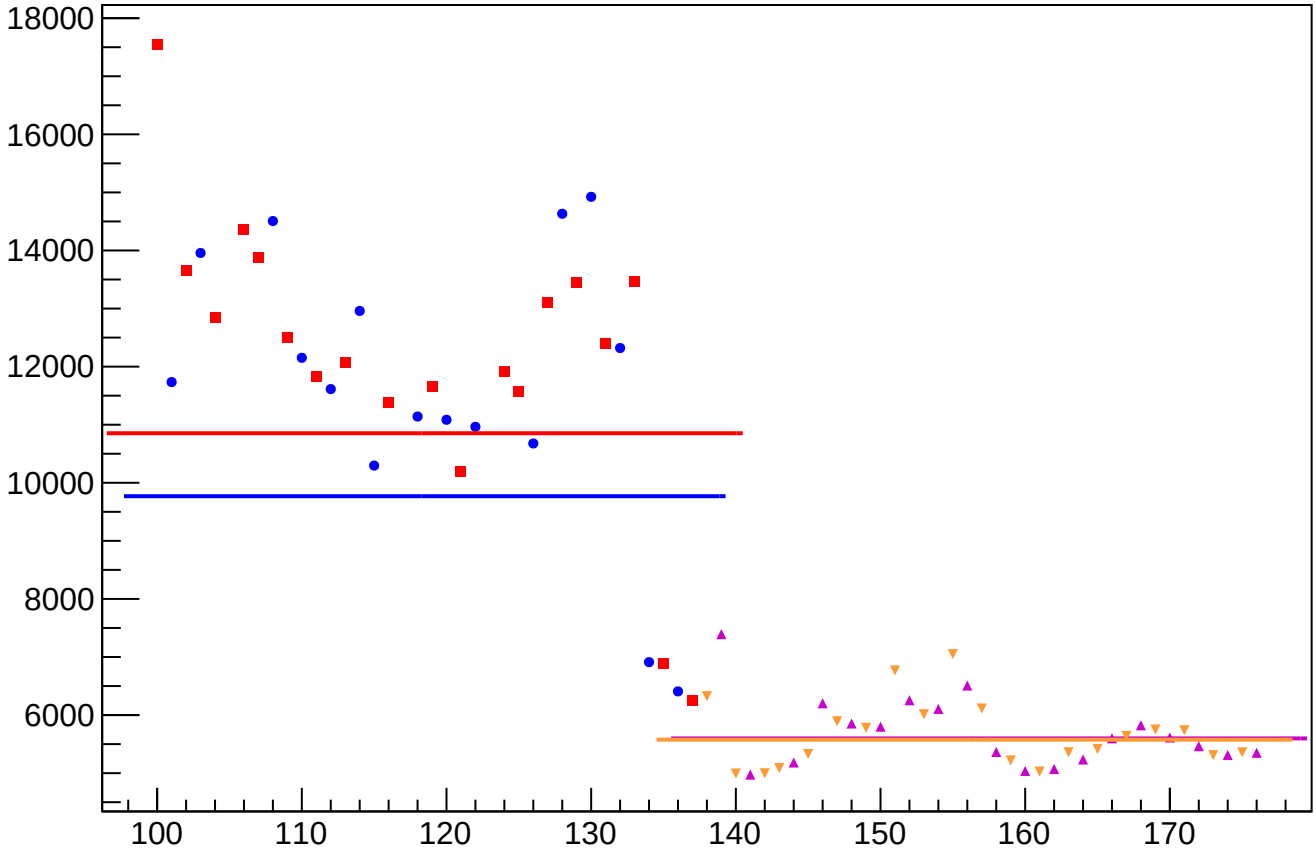
Left In: 1.358+/-1.429 χ^2/NDF:23.0/18

+ sign 6.971+/-1.323 χ^2/NDF: 77.0/35

All: 4.556+/-0.945 χ^2/NDF: 123.5/73

- sign 2.041+/-1.350 χ^2/NDF: 39.7/37

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5576.689+/-0.997 χ^2/NDF:267161.9/19

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

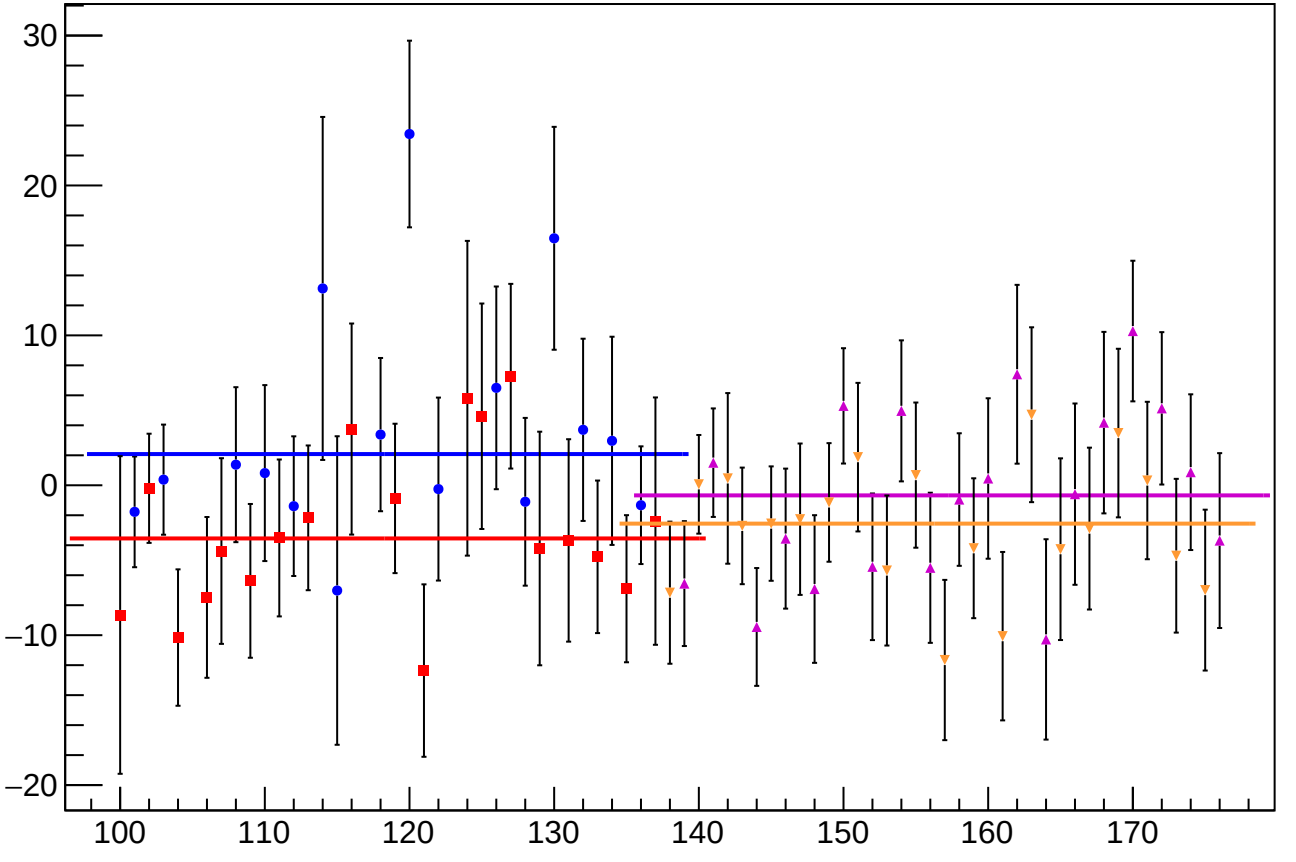
Left In: 5598.425+/-1.011 χ^2/NDF:282502.2/18

+ sign 6079.322+/-0.935 χ^2/NDF: 3600911.2/35

All: 6122.827+/-0.668 χ^2/NDF: 7692279.5/73

- sign 6168.134+/-0.954 χ^2/NDF: 4086951.0/37

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.558+/-1.070 χ^2/NDF:12.4/19

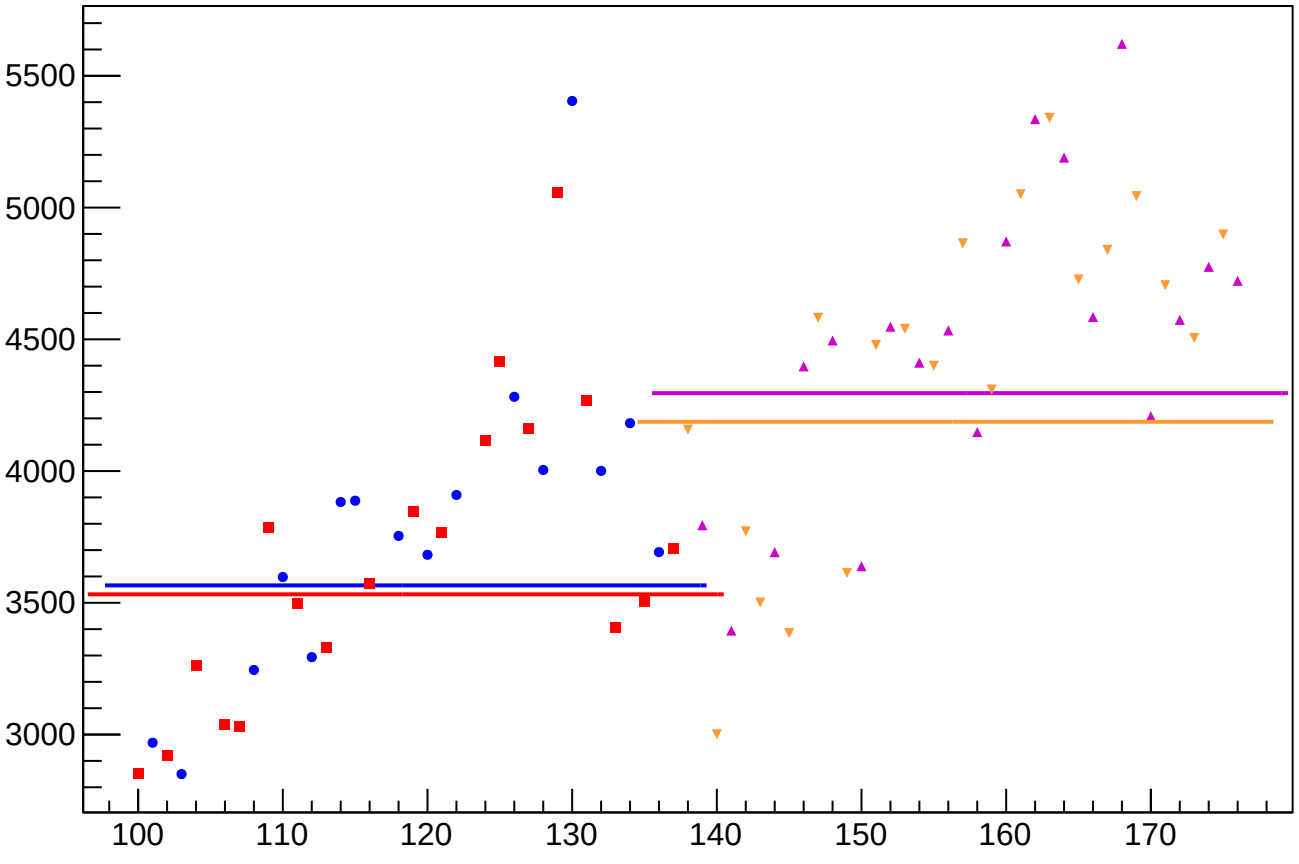
Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: -0.674+/-1.103 χ^2/NDF:26.8/18

+ sign -0.760+/-0.837 χ^2/NDF: 40.6/35

All: -1.313+/-0.594 χ^2/NDF: 84.6/73

- sign -1.872+/-0.842 χ^2/NDF: 43.1/37



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4187.012+/-0.757 χ^2/NDF:808910.5/19

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

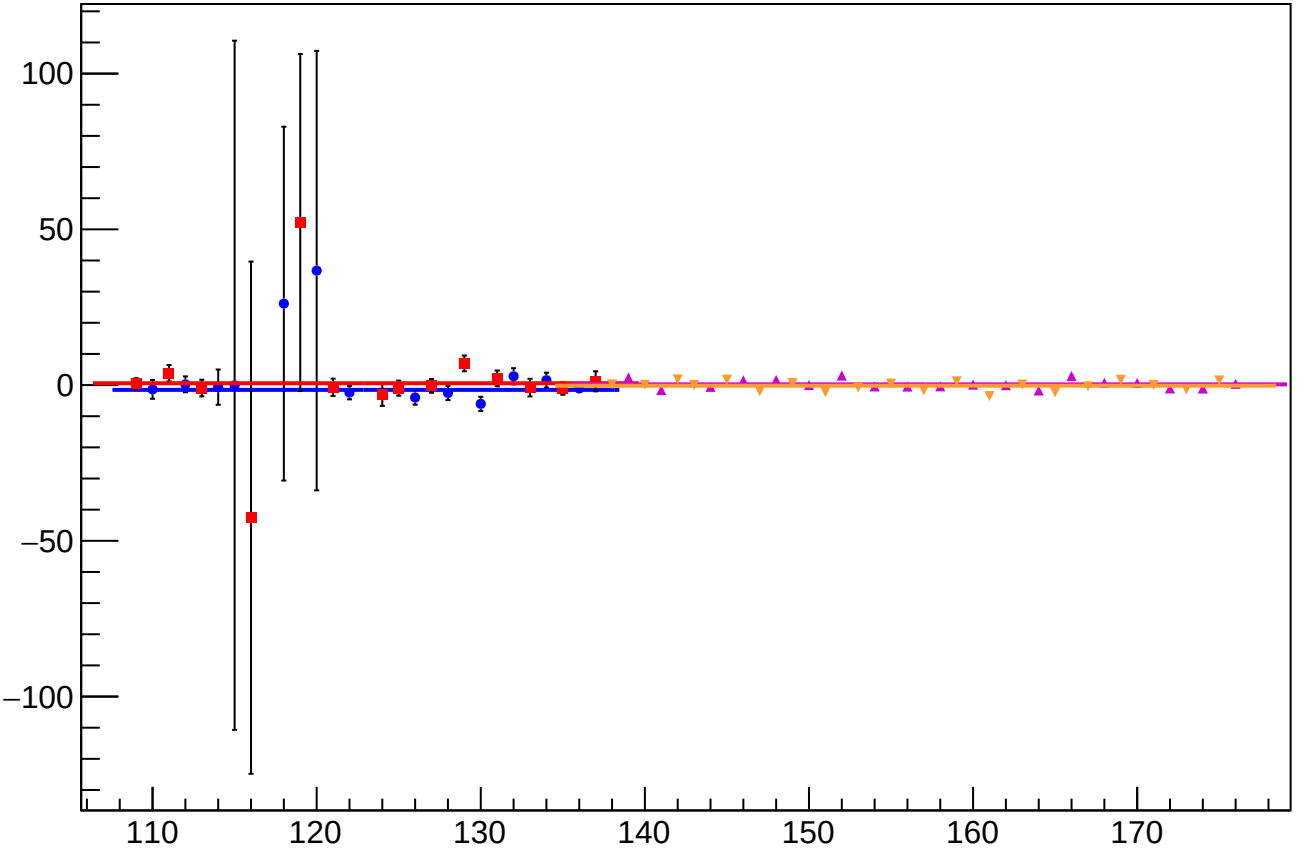
Left In: 4295.777+/-0.780 χ^2/NDF:530628.4/18

+ sign 3946.401+/-0.592 χ^2/NDF: 1410901.0/35

All: 3961.806+/-0.420 χ^2/NDF: 2621310.4/73

- sign 3977.382+/-0.595 χ^2/NDF: 1209048.5/37

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.201+/-0.257 χ^2/NDF:32.7/19

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

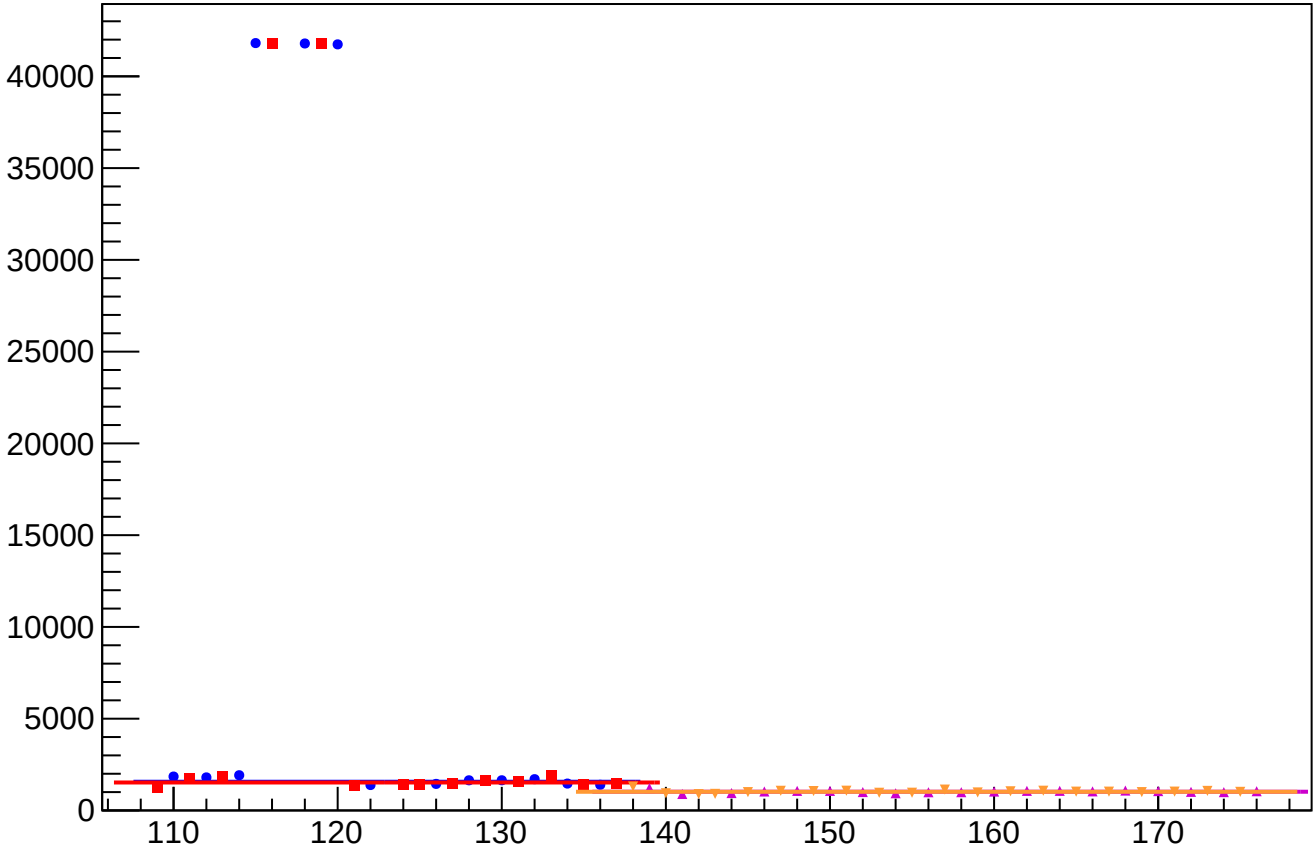
Left In: 0.228+/-0.260 χ^2/NDF:27.2/18

+ sign -0.347+/-0.242 χ^2/NDF: 46.7/32

All: -0.041+/-0.172 χ^2/NDF: 90.1/65

- sign 0.269+/-0.244 χ^2/NDF: 40.1/32

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1017.855+/-0.182 χ^2/NDF:181358.1/19

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

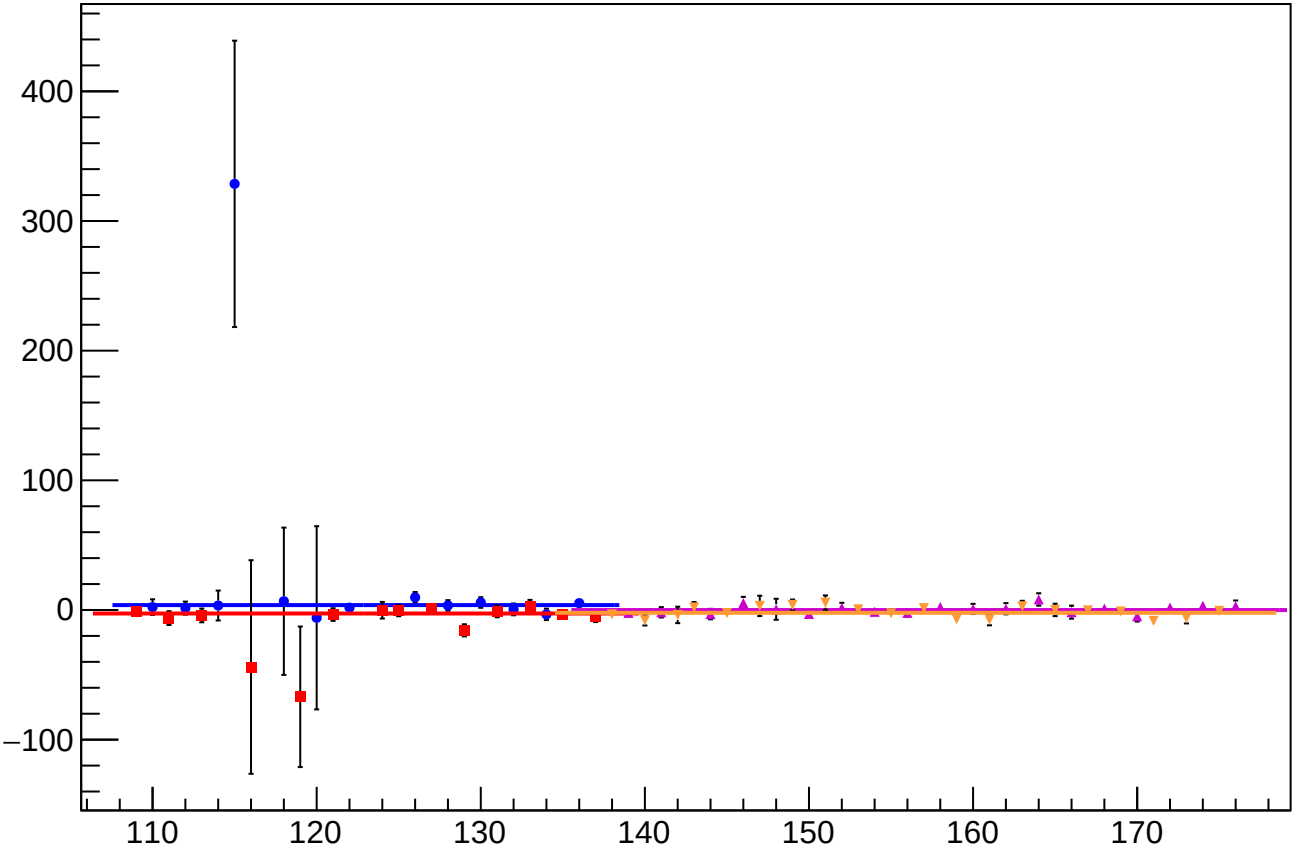
Left In: 1020.095+/-0.184 χ^2/NDF:125650.6/18

+ sign 1077.608+/-0.171 χ^2/NDF: 3189121.5/32

All: 1078.058+/-0.122 χ^2/NDF: 5926340.9/65

- sign 1078.515+/-0.173 χ^2/NDF: 2737205.5/32

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.161+/-0.860 χ^2/NDF:18.4/19

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

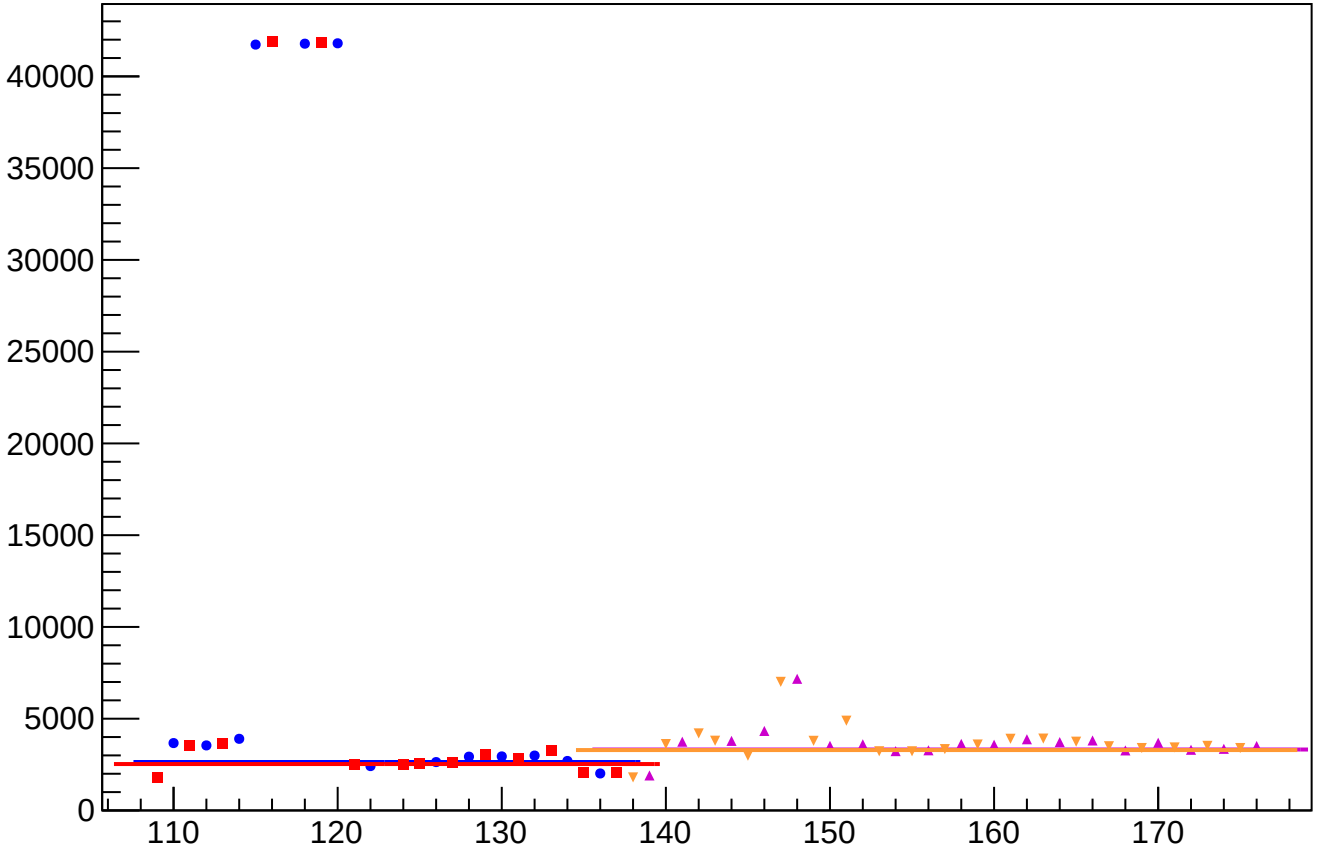
Left In: -0.057+/-0.873 χ^2/NDF:11.0/18

+ sign -0.249+/-0.708 χ^2/NDF: 48.9/32

All: -0.607+/-0.501 χ^2/NDF: 77.1/65

- sign -0.965+/-0.708 χ^2/NDF: 27.7/32

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3290.675+/-0.608 χ^2/NDF:1882572.2/19

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

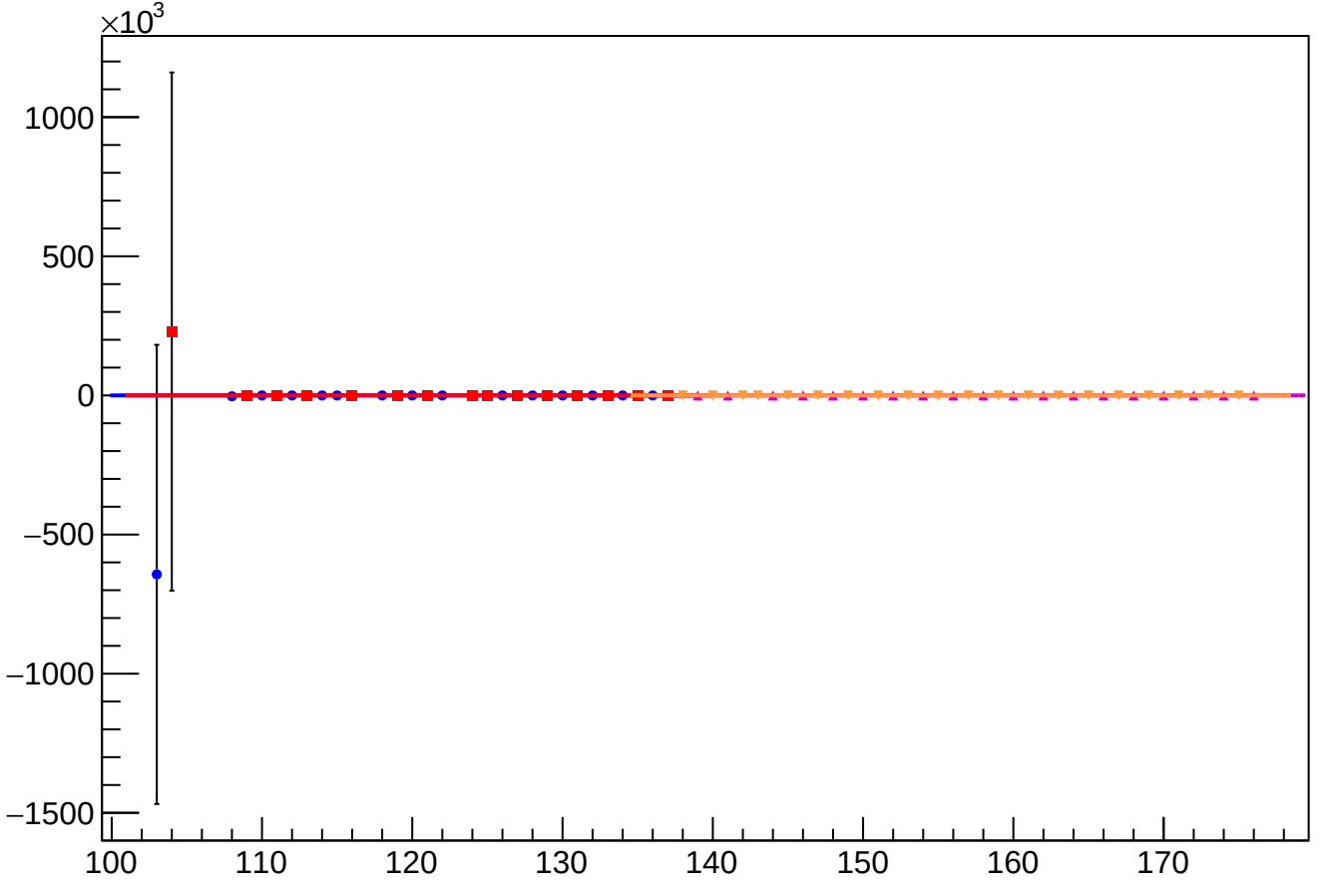
Left In: 3320.502+/-0.618 χ^2/NDF:1612731.7/18

+ sign 3081.168+/-0.501 χ^2/NDF: 4424463.2/32

All: 3065.432+/-0.354 χ^2/NDF: 8551189.1/65

- sign 3049.697+/-0.501 χ^2/NDF: 4124751.7/32

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.717+/-0.401 χ^2/NDF:46.6/19

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

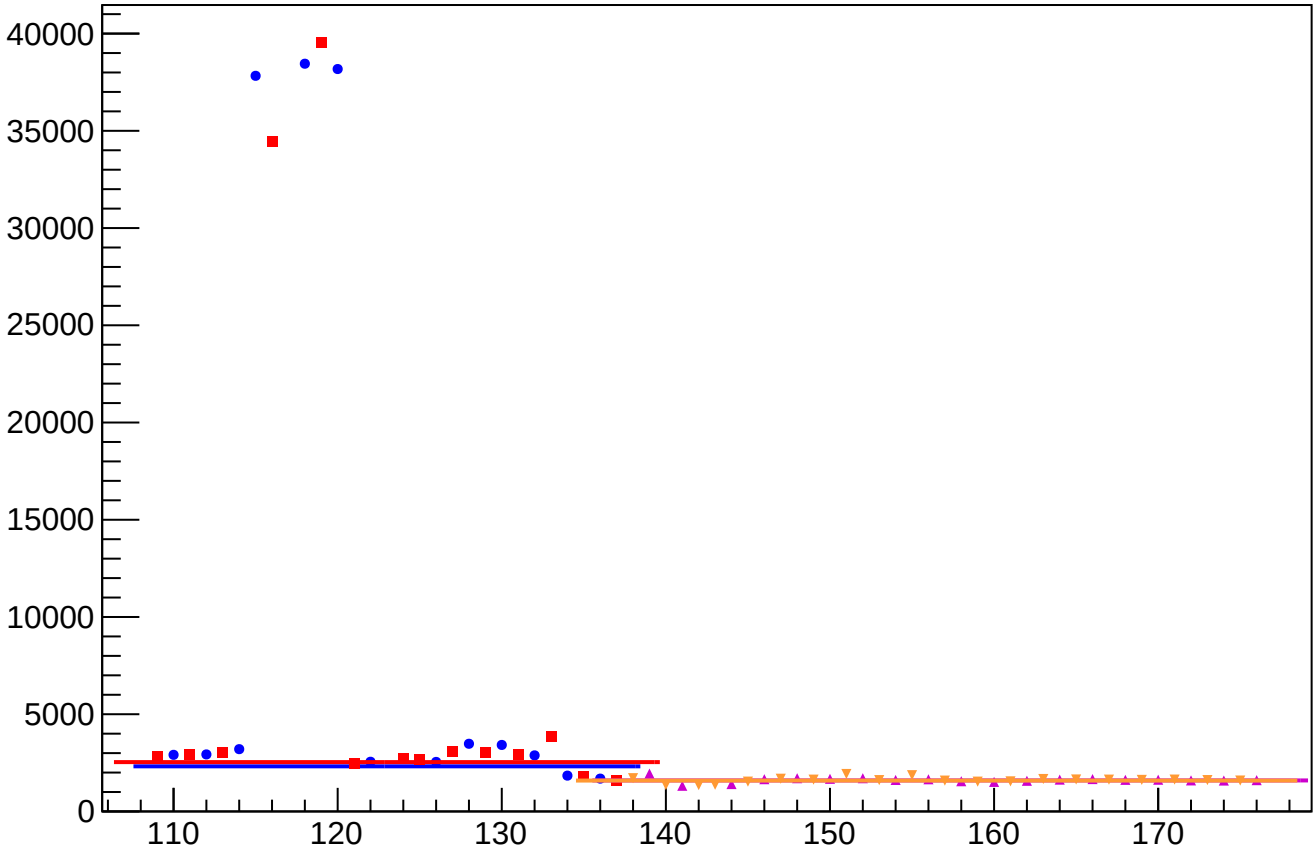
Left In: -0.185+/-0.407 χ^2/NDF:23.0/18

+ sign -1.660+/-0.378 χ^2/NDF: 65.5/34

All: -1.061+/-0.270 χ^2/NDF: 111.9/68

- sign -0.437+/-0.386 χ^2/NDF: 41.2/33

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1588.688+/-0.284 χ^2/NDF:230420.1/19

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

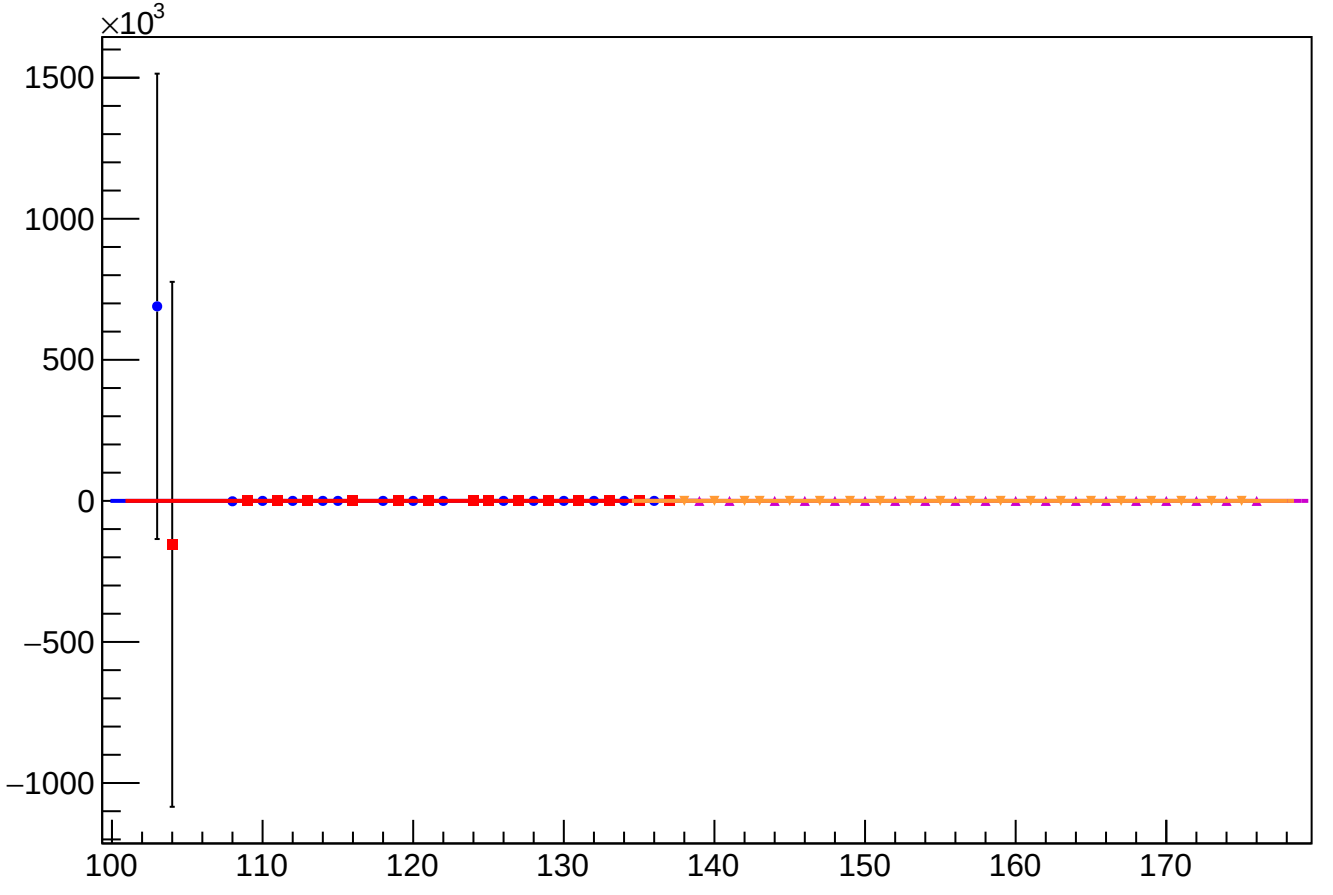
Left In: 1595.223+/-0.288 χ^2/NDF:196181.9/18

+ sign 1671.190+/-0.267 χ^2/NDF: 3442272.8/32

All: 1680.785+/-0.191 χ^2/NDF: 6767364.4/65

- sign 1690.781+/-0.273 χ^2/NDF: 3322458.3/32

diff_bpm1p03aY_mean vs Slug



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.069+/-0.555 χ^2/NDF:21.4/19

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

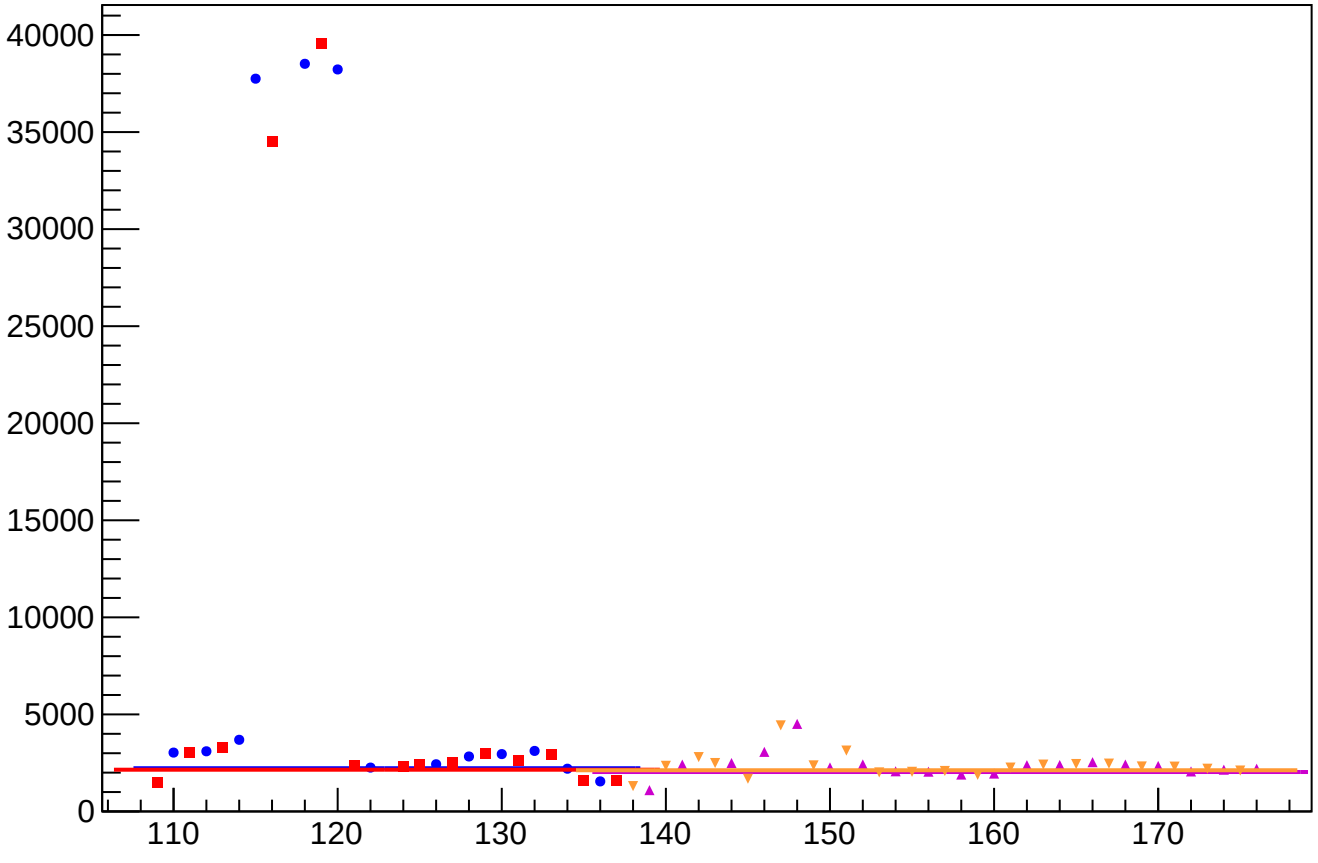
Left In: 0.200+/-0.541 χ^2/NDF:14.0/18

+ sign -0.487+/-0.493 χ^2/NDF: 31.7/34

All: -0.359+/-0.344 χ^2/NDF: 64.3/68

- sign -0.238+/-0.481 χ^2/NDF: 32.5/33

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2122.508+/-0.392 χ^2/NDF:1467776.1/19

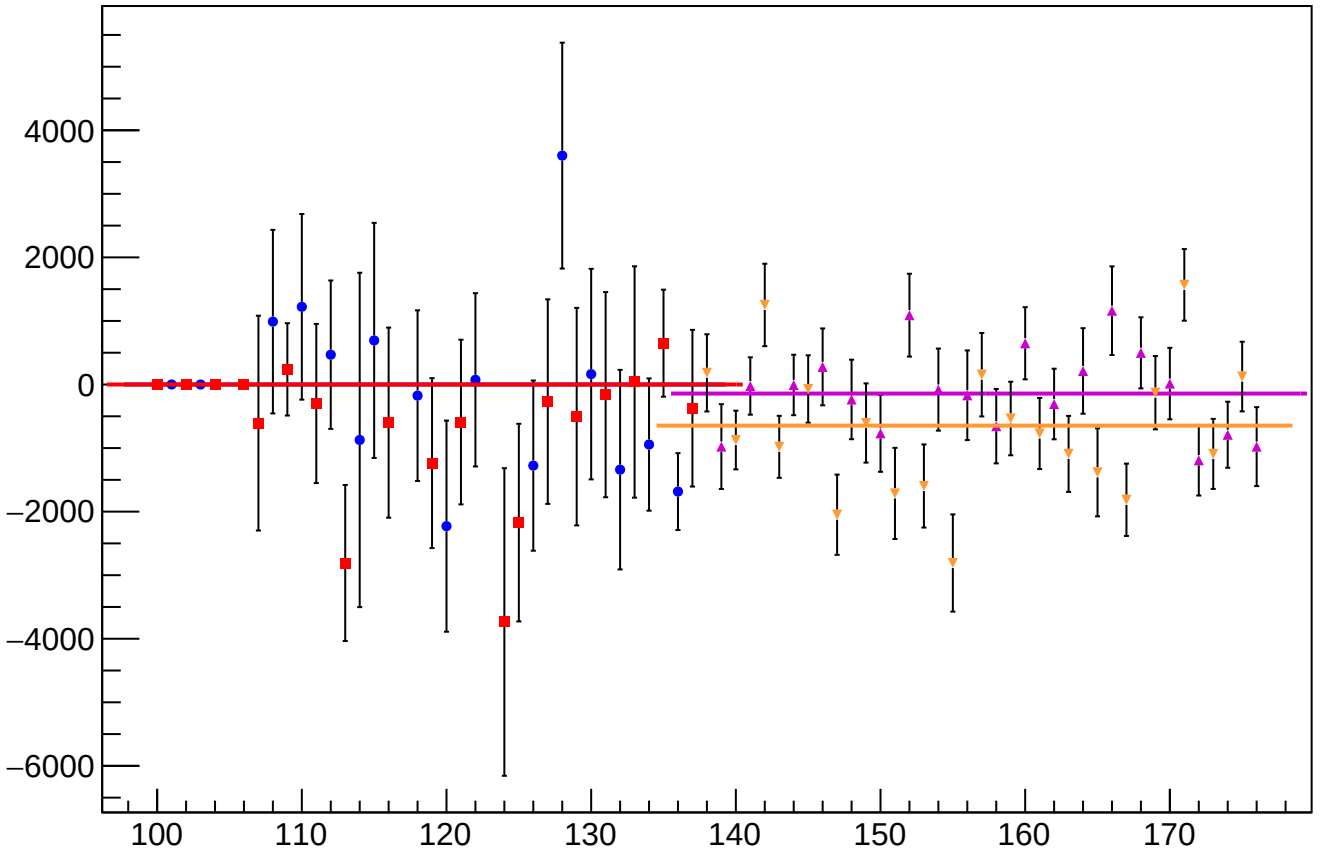
Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2031.823+/-0.383 χ^2/NDF:2258525.8/18

+ sign 2144.415+/-0.349 χ^2/NDF: 4004940.9/32

All: 2099.513+/-0.243 χ^2/NDF: 8547438.5/65

- sign 2056.736+/-0.340 χ^2/NDF: 4510099.0/32



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -646.753+/-131.458 χ^2/NDF:55.9/19

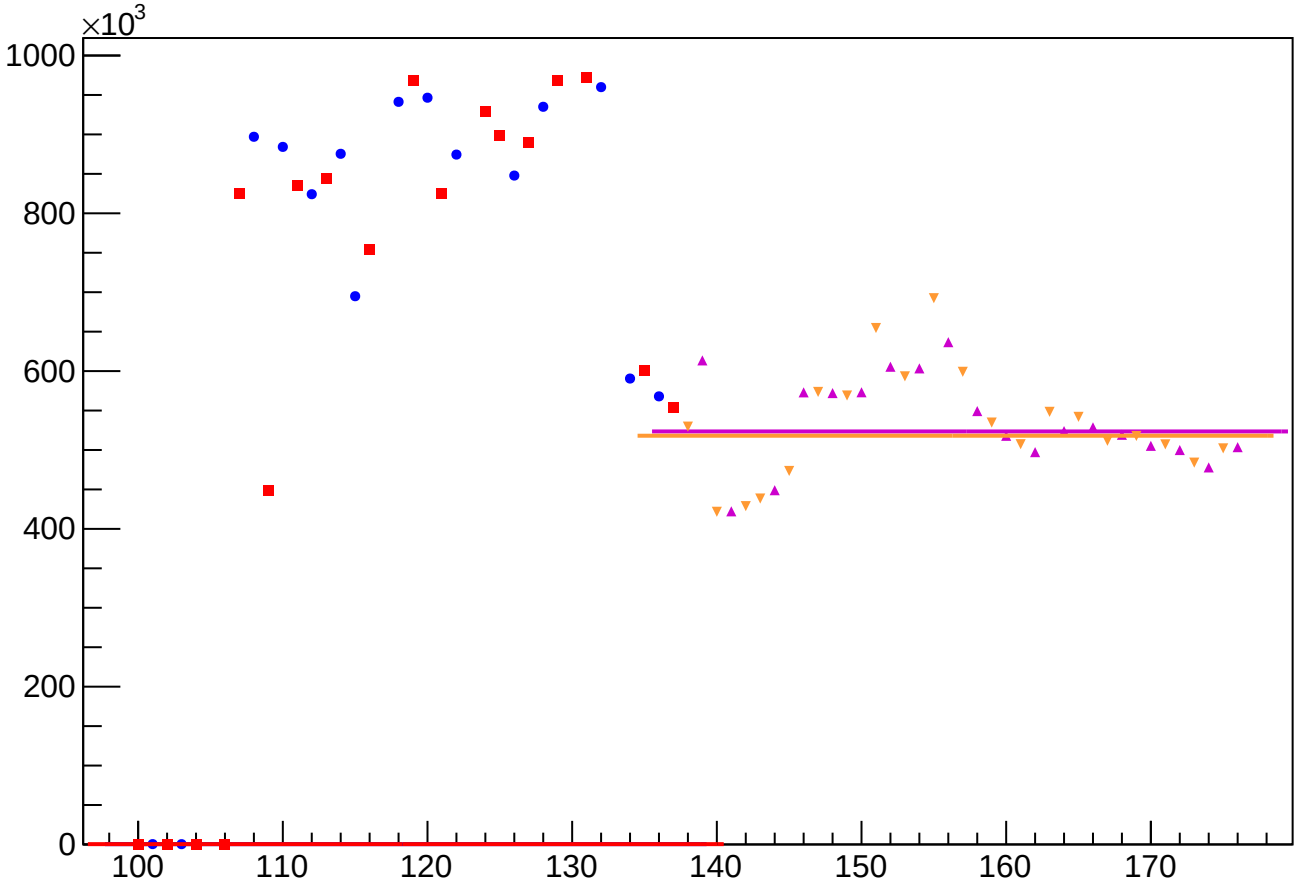
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -142.562+/-133.886 χ^2/NDF:21.8/18

+ sign 0.251+/-0.356 χ^2/NDF: 97.9/35

All: 0.166+/-0.241 χ^2/NDF: 136.3/73

- sign 0.095+/-0.328 χ^2/NDF: 38.3/37



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 518081.479+/-92.954 χ^2/NDF:475751.3/19

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

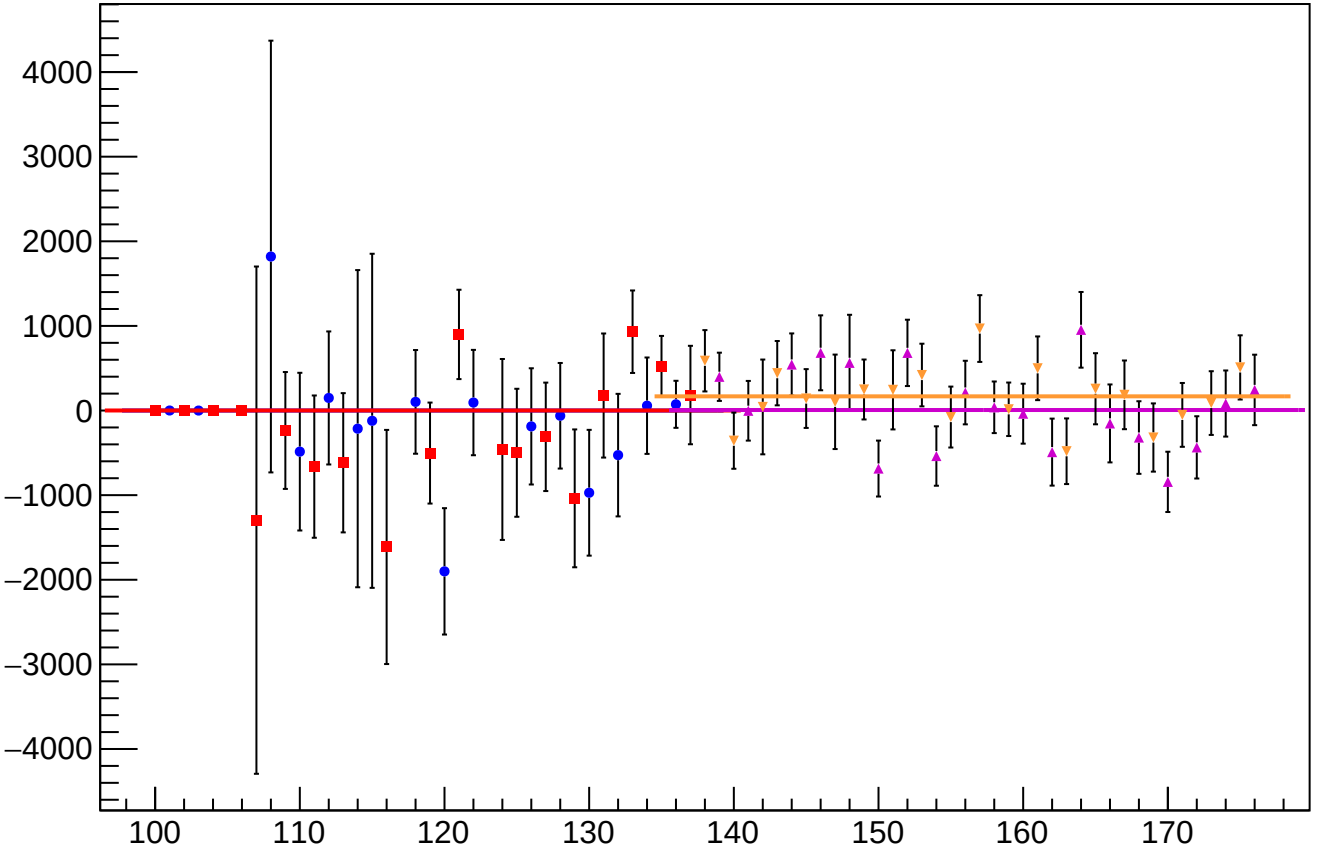
Left In: 523508.910+/-94.672 χ^2/NDF:370954.1/18

+ sign 402.670+/-0.251 χ^2/NDF: 39983395.2/34

All: 399.266+/-0.170 χ^2/NDF: 78535015.8/71

- sign 396.375+/-0.232 χ^2/NDF: 38551281.8/36

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 167.698+/-86.094 χ^2/NDF:16.1/19

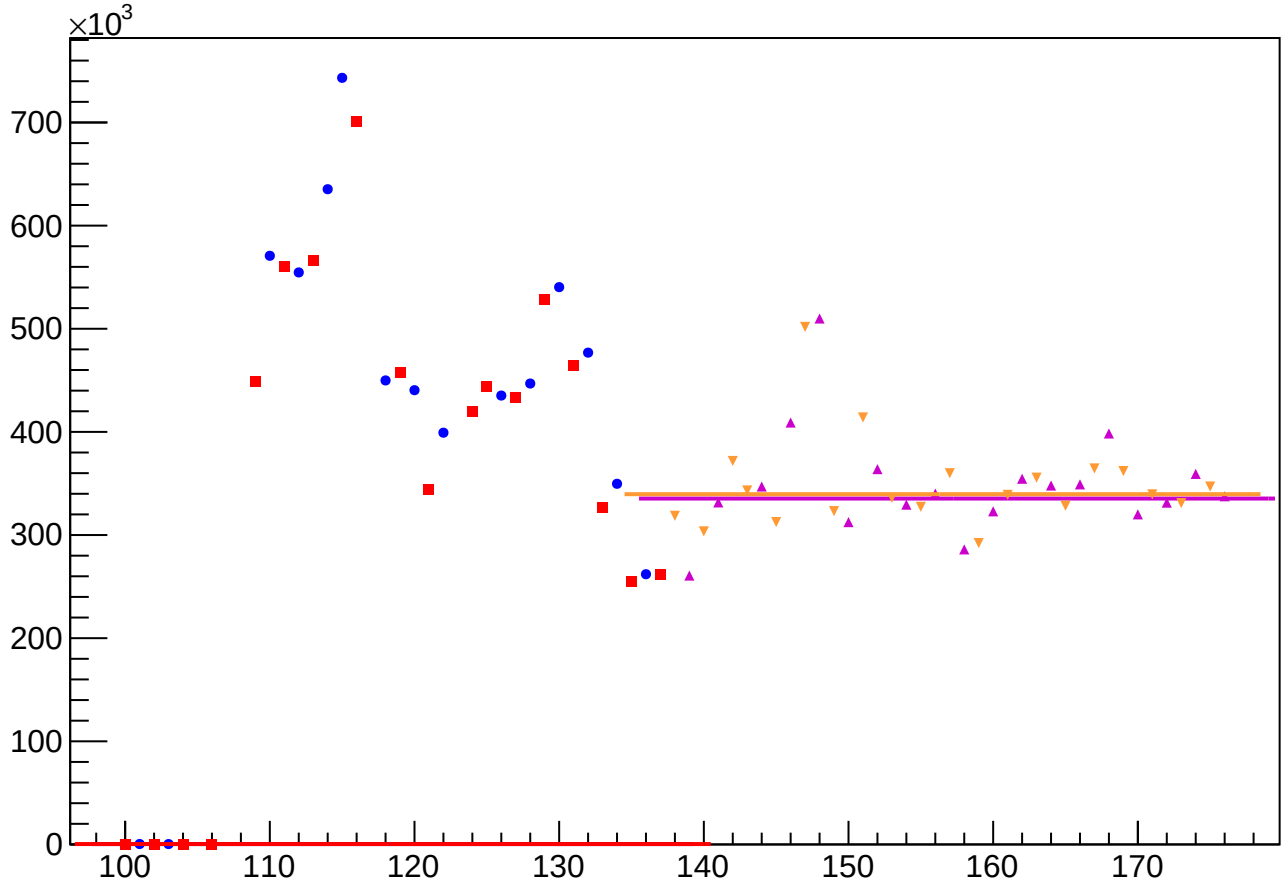
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 6.063+/-86.174 χ^2/NDF:31.7/18

+ sign -0.018+/-0.347 χ^2/NDF: 30.3/35

All: 0.312+/-0.237 χ^2/NDF: 78.7/73

- sign 0.599+/-0.324 χ^2/NDF: 46.7/37



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 339606.296+/-60.877 χ^2/NDF:346163.6/19

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

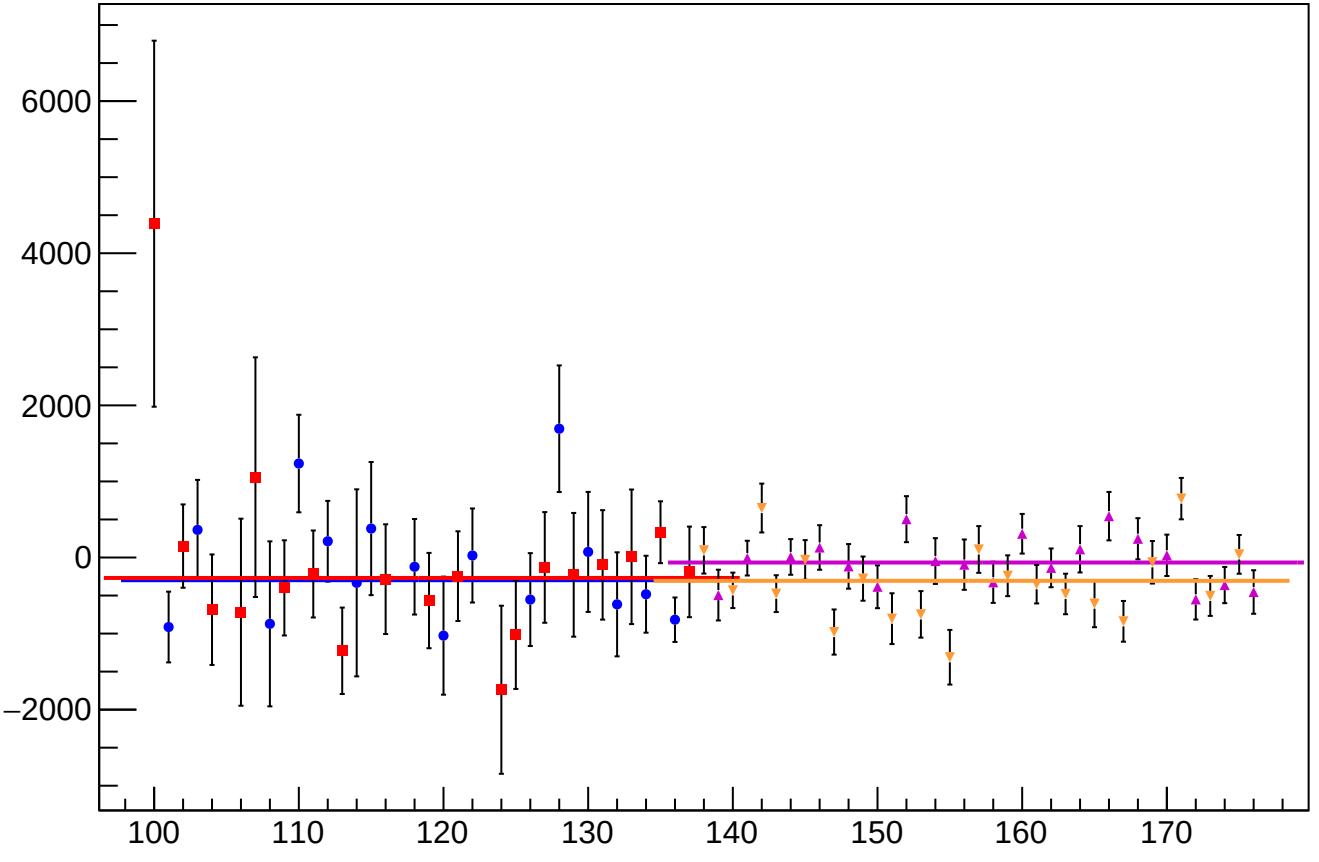
Left In: 335373.889+/-60.938 χ^2/NDF:522419.0/18

+ sign 395.790+/-0.245 χ^2/NDF: 42526492.9/34

All: 394.145+/-0.167 χ^2/NDF: 84341871.6/71

- sign 392.713+/-0.229 χ^2/NDF: 41815294.7/36

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -306.510+/-62.495 χ^2/NDF:55.9/19

Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

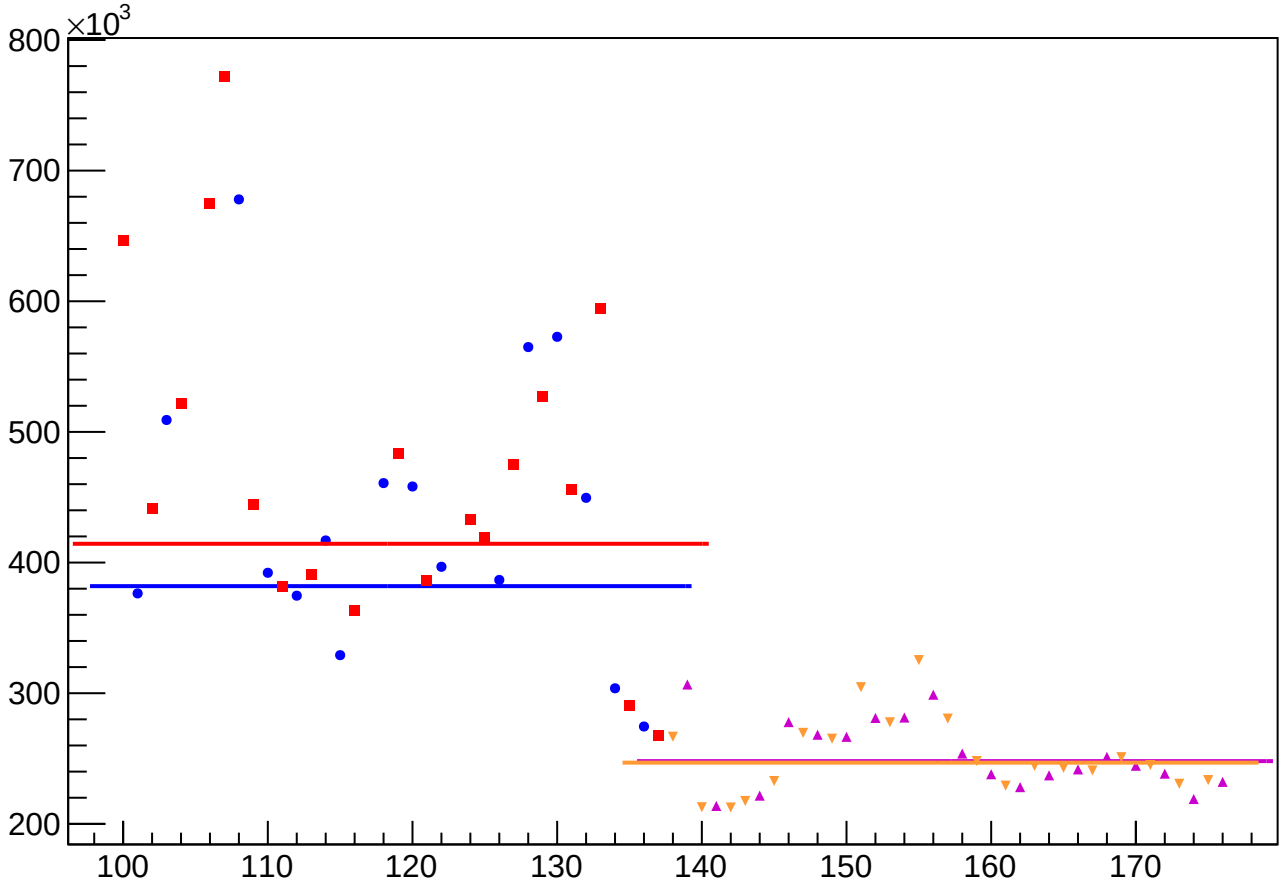
Left In: -65.939+/-63.372 χ^2/NDF:22.4/18

+ sign -305.253+/-57.535 χ^2/NDF: 77.1/35

All: -202.068+/-41.104 χ^2/NDF: 121.4/73

- sign -94.504+/-58.744 χ^2/NDF: 37.7/37

diff_cav4cX_rms vs Slug



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 246865.988+/-44.191 χ^2/NDF:353726.6/19

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

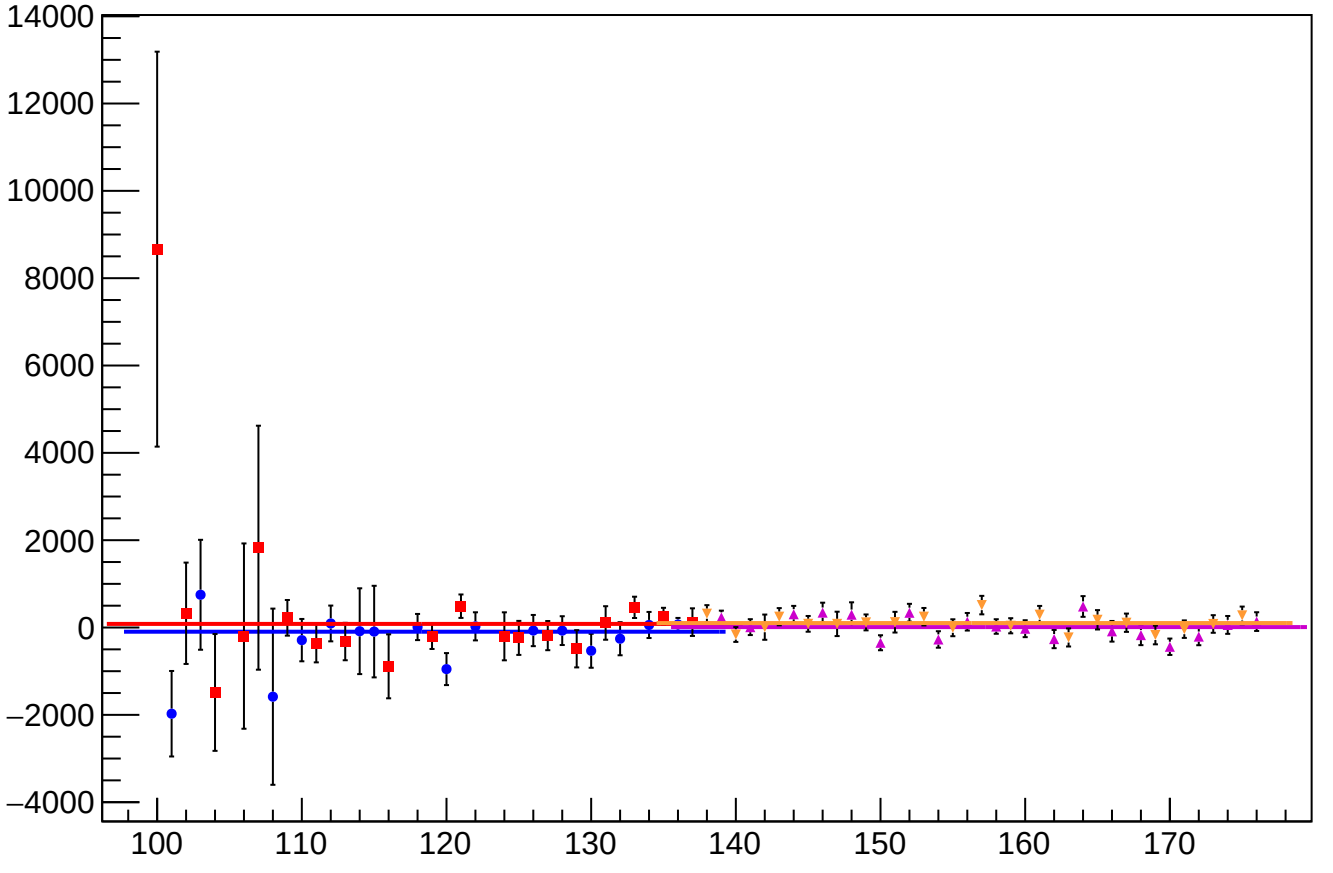
Left In: 248034.979+/-44.811 χ^2/NDF:325481.9/18

+ sign 267451.996+/-40.685 χ^2/NDF: 2614290.0/35

All: 269403.060+/-29.066 χ^2/NDF: 5643147.

- sign 271436.969+/-41.539 χ^2/NDF: 3024160.6/37

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 102.402+/-45.442 χ^2/NDF:15.4/19

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

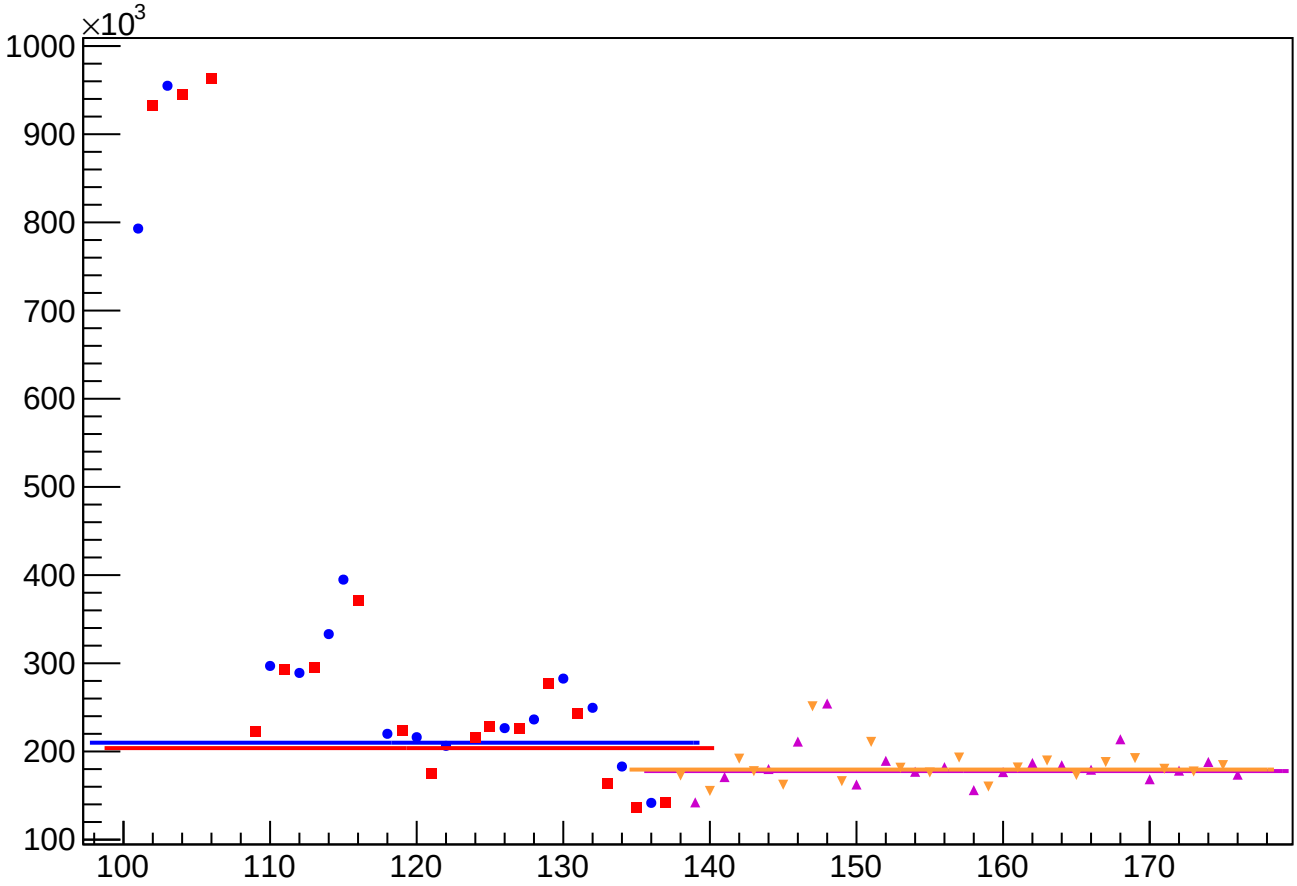
Left In: 10.100+/-45.573 χ^2/NDF:31.0/18

+ sign 60.865+/-40.402 χ^2/NDF: 33.1/35

All: 43.259+/-28.568 χ^2/NDF: 84.2/73

- sign 25.654+/-40.401 χ^2/NDF: 50.7/37

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 179462.271+/-32.132 χ^2/NDF:295713.9/19

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

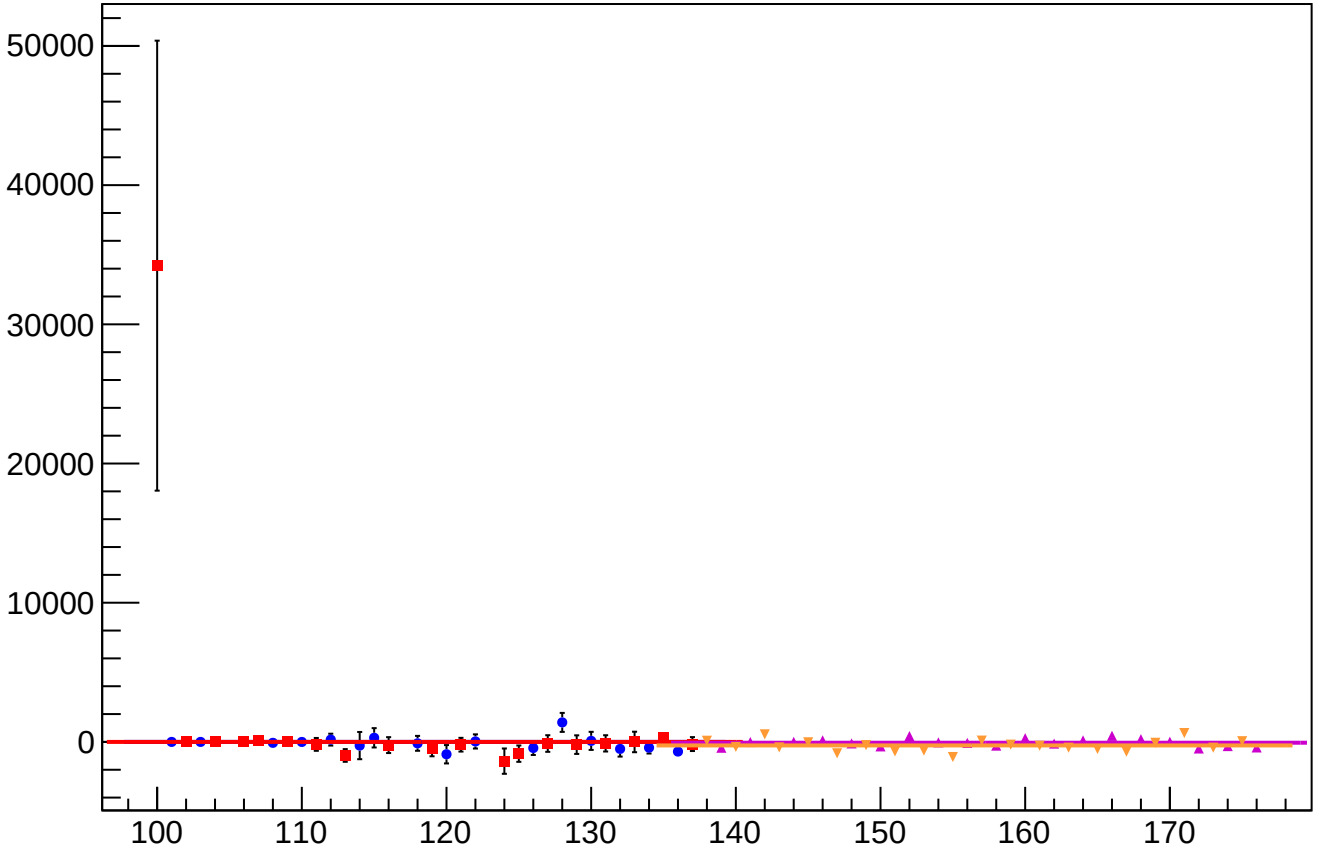
Left In: 177763.971+/-32.225 χ^2/NDF:419755.0/18

+ sign 185827.988+/-28.579 χ^2/NDF: 2443452.6/34

All: 184571.662+/-20.210 χ^2/NDF: 5076691.

- sign 183314.990+/-28.583 χ^2/NDF: 2629373.7/35

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -252.095+/-52.208 χ^2/NDF:55.9/19

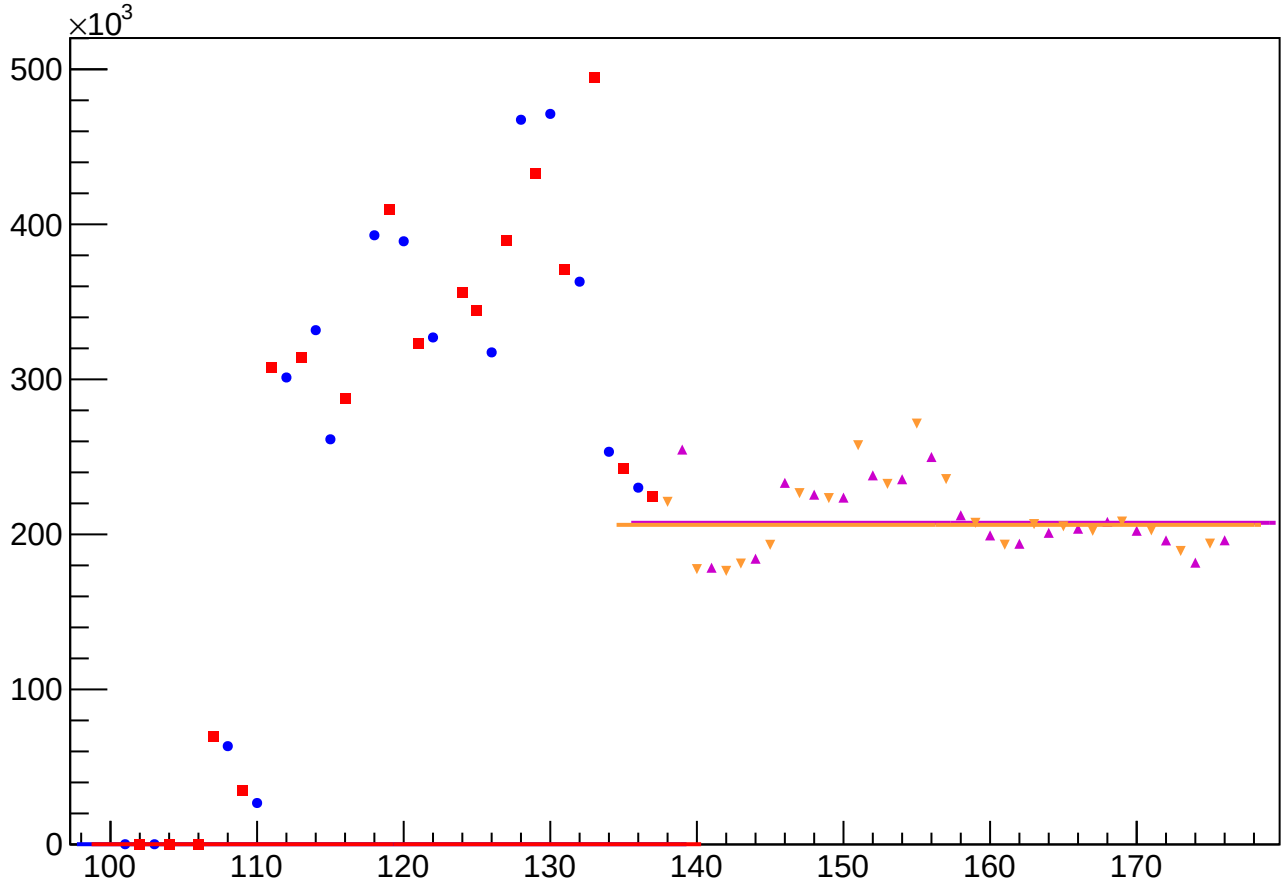
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -58.225+/-53.017 χ^2/NDF:22.6/18

+ sign -0.038+/-0.172 χ^2/NDF: 97.3/35

All: -0.208+/-0.117 χ^2/NDF: 139.4/73

- sign -0.356+/-0.160 χ^2/NDF: 40.3/37



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 206159.881+/-36.916 χ^2/NDF:371928.7/19

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

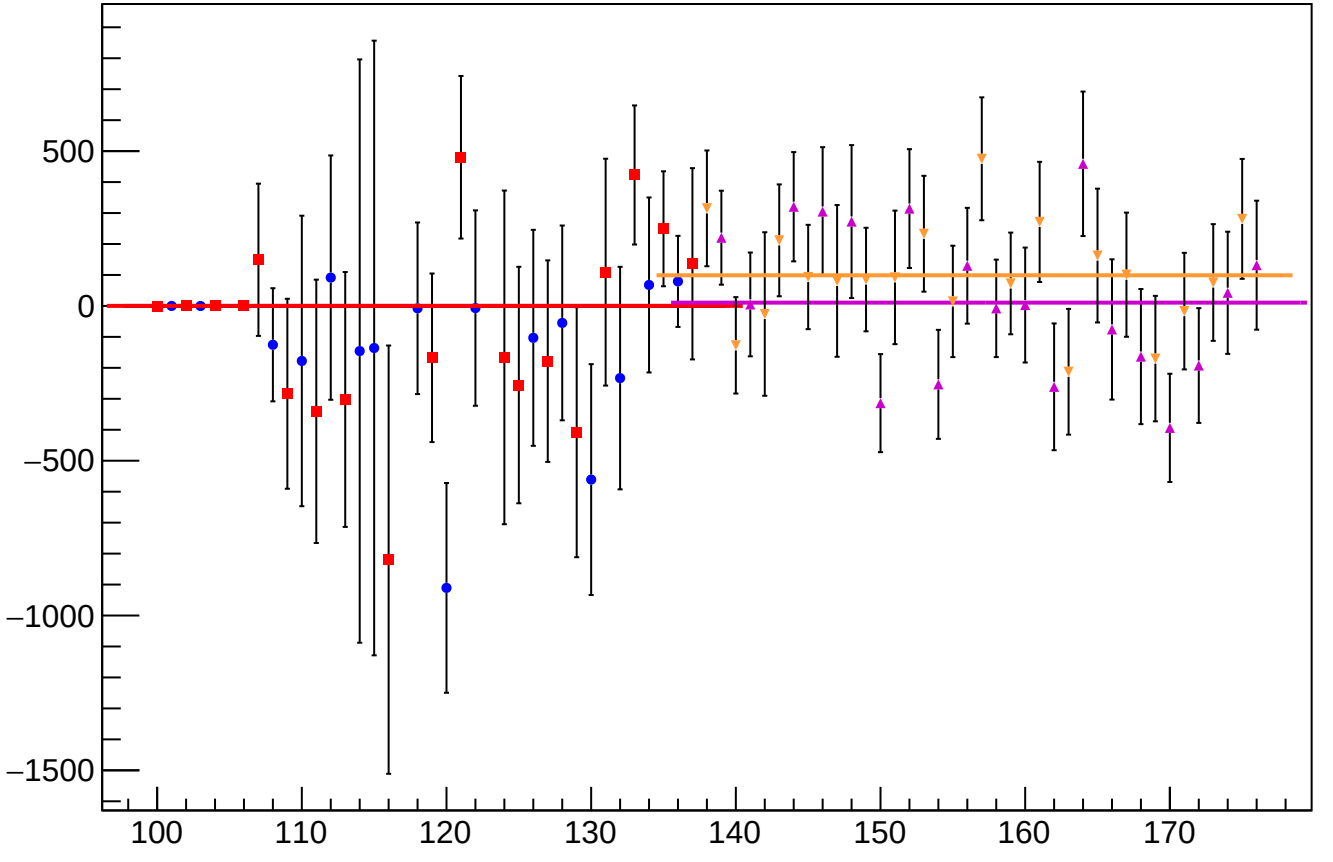
Left In: 207477.740+/-37.489 χ^2/NDF:333071.6/18

+ sign 151.335+/-0.122 χ^2/NDF: 42815124.5/35

All: 151.300+/-0.083 χ^2/NDF: 85022312.8/72

- sign 151.270+/-0.113 χ^2/NDF: 42207188.1/36

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 98.957+/-42.627 χ^2/NDF:14.7/19

Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

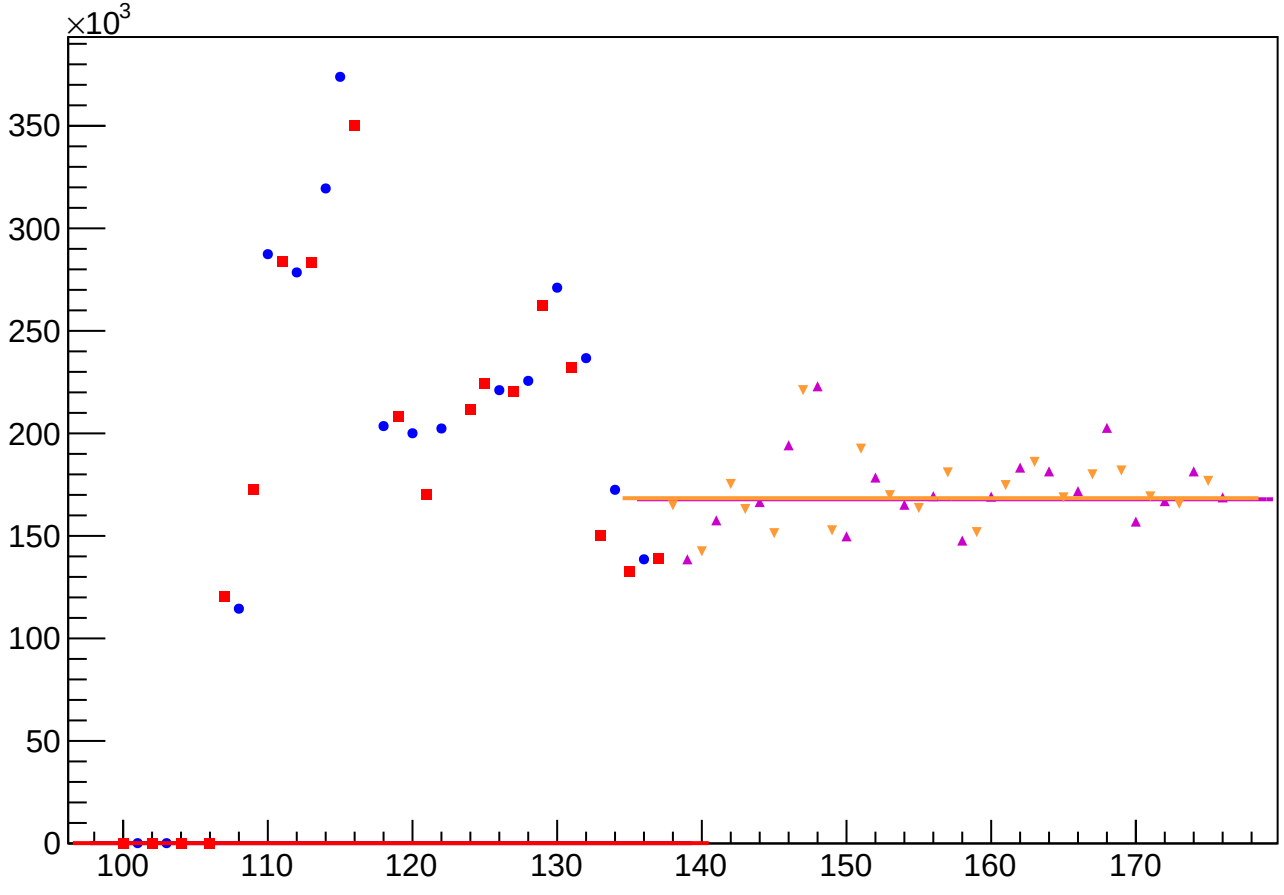
Left In: 10.640+/-42.988 χ^2/NDF:30.7/18

+ sign -0.066+/-0.177 χ^2/NDF: 31.3/35

All: 0.036+/-0.121 χ^2/NDF: 77.9/73

- sign 0.126+/-0.166 χ^2/NDF: 45.9/37

diff_cav4dY_rms vs Slug



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 168390.613+/-30.142 χ^2/NDF:281891.8/19

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

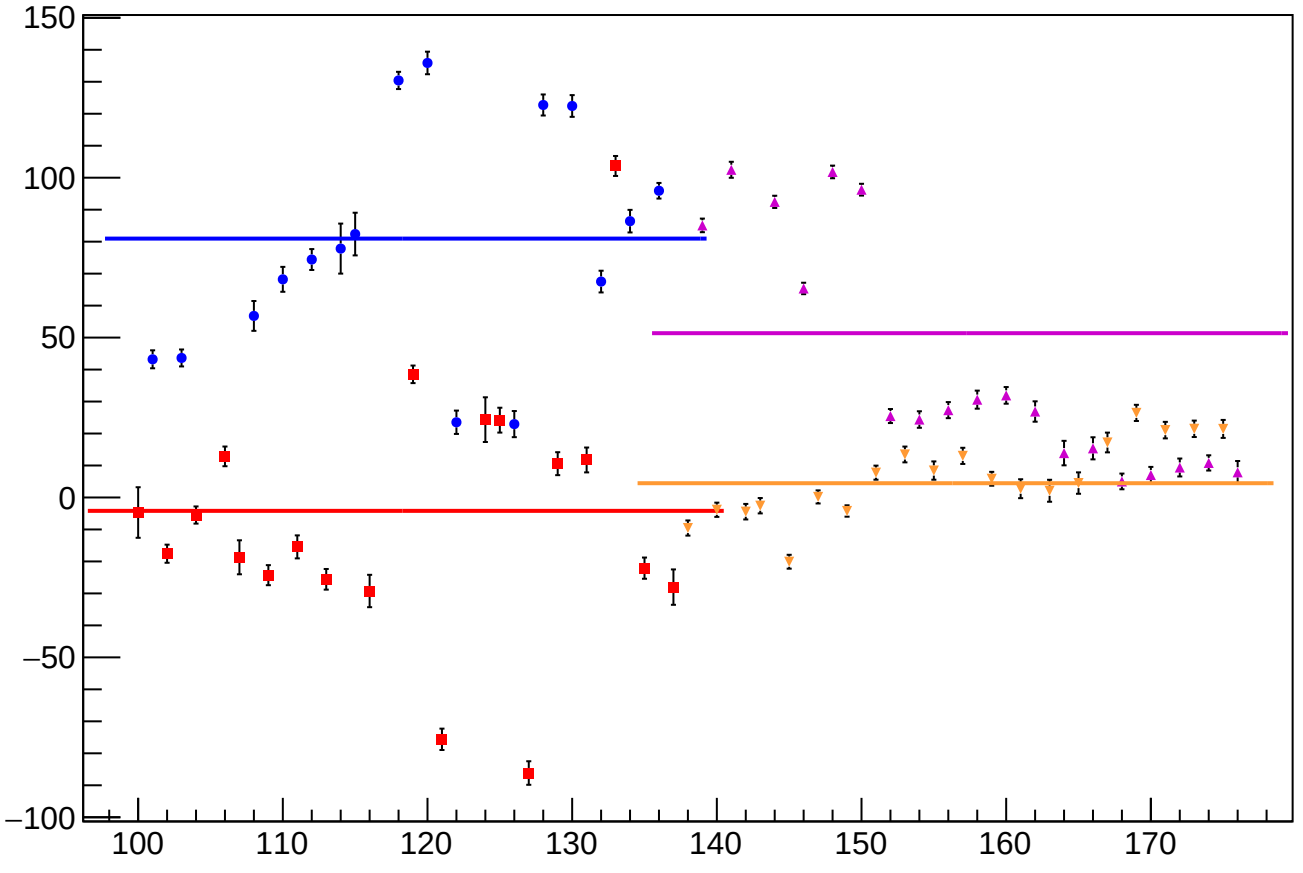
Left In: 167864.543+/-30.397 χ^2/NDF:366340.5/18

+ sign 156.368+/-0.125 χ^2/NDF: 43339491.8/35

All: 157.593+/-0.086 χ^2/NDF: 85476910.5/73

- sign 158.673+/-0.118 χ^2/NDF: 42137239.0/37

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 4.461+/-0.548 χ^2/NDF:471.3/19

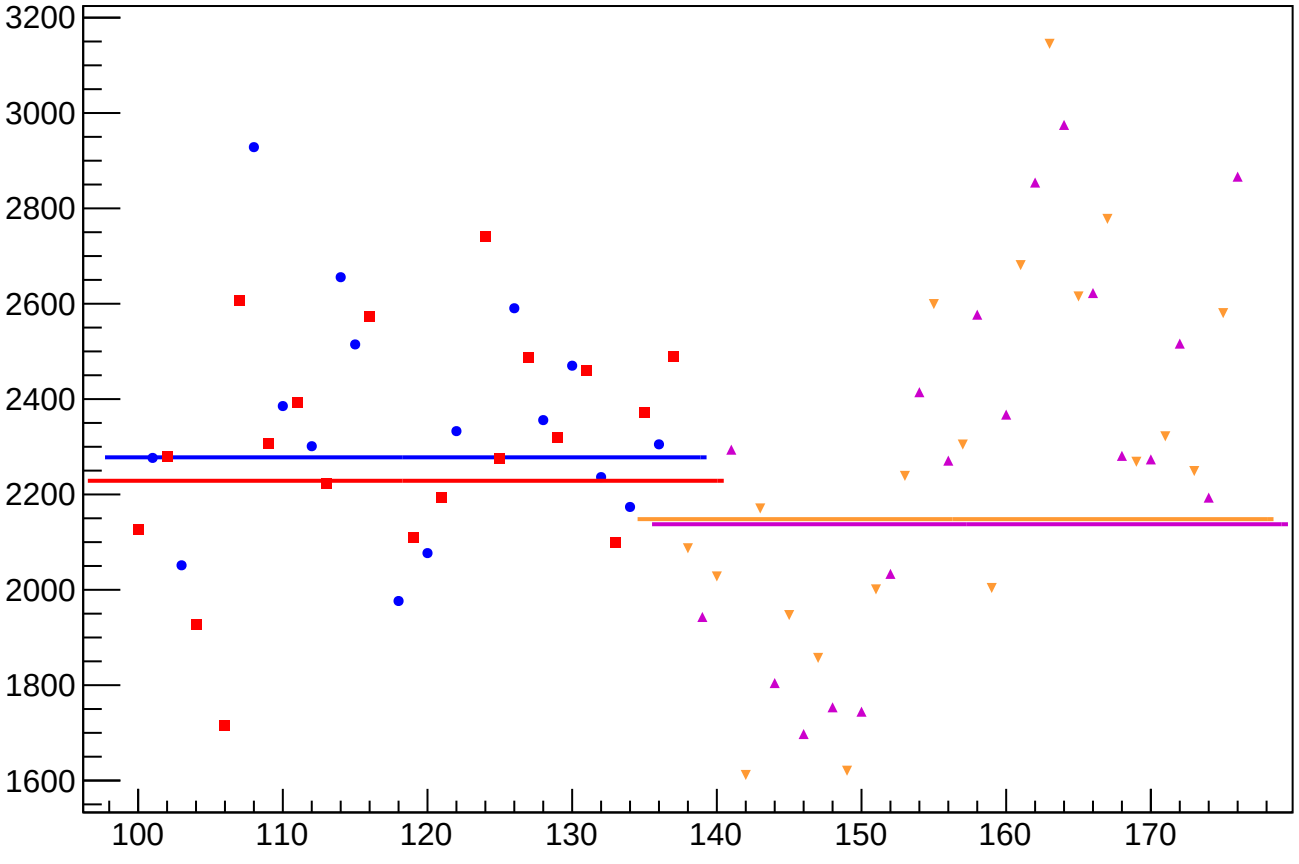
Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: 51.376+/-0.554 χ^2/NDF:4475.4/18

+ sign 26.876+/-0.461 χ^2/NDF: 7991.2/35

All: 30.439+/-0.325 χ^2/NDF: 18457.3/73

- sign 33.973+/-0.459 χ^2/NDF: 10347.0/37



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2148.248+/-0.388 χ^2/NDF:835543.0/19

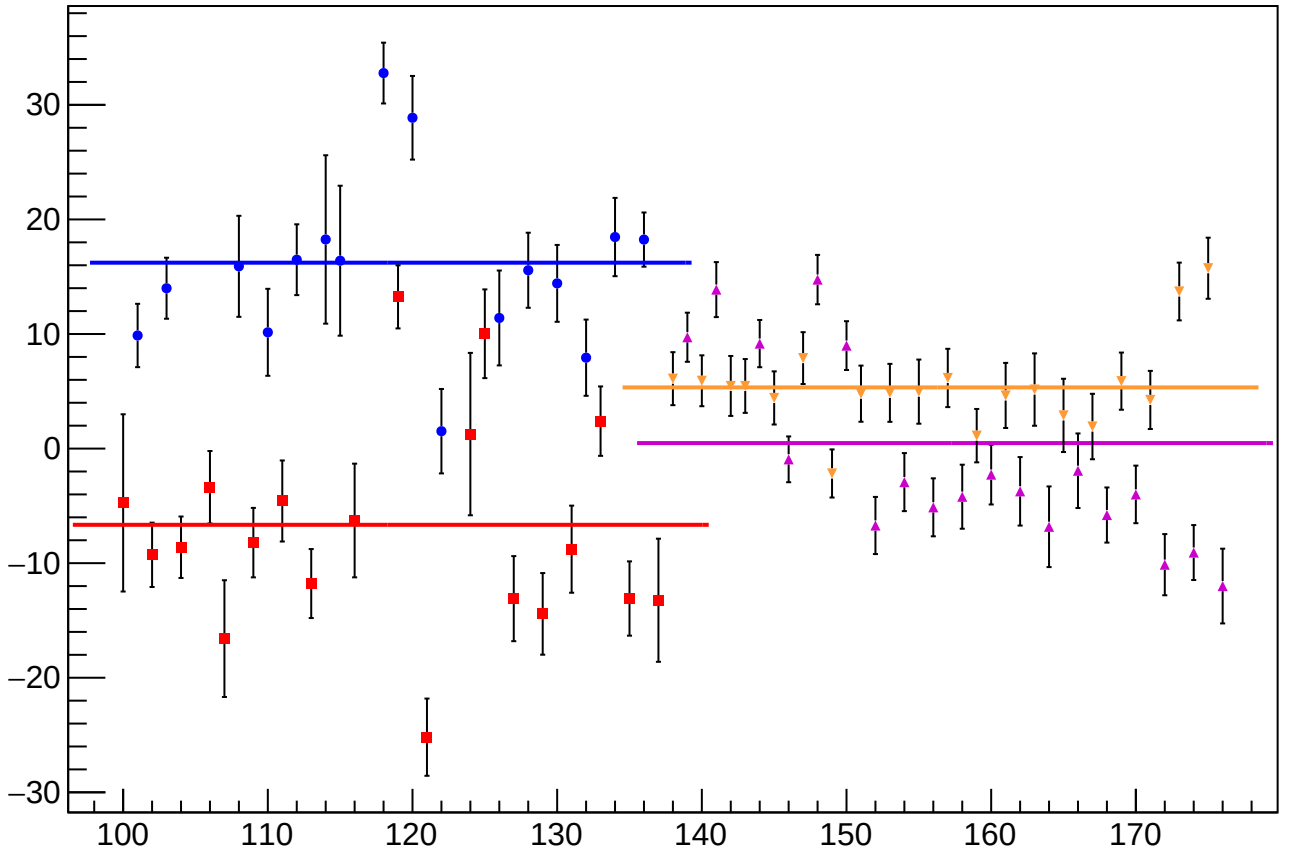
Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2137.544+/-0.392 χ^2/NDF:840841.9/18

+ sign 2186.230+/-0.326 χ^2/NDF: 984082.4/35

All: 2176.120+/-0.230 χ^2/NDF: 1994941.8/73

- sign 2166.094+/-0.325 χ^2/NDF: 1008942.9/37



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.340+/-0.561 χ^2/NDF:46.5/19

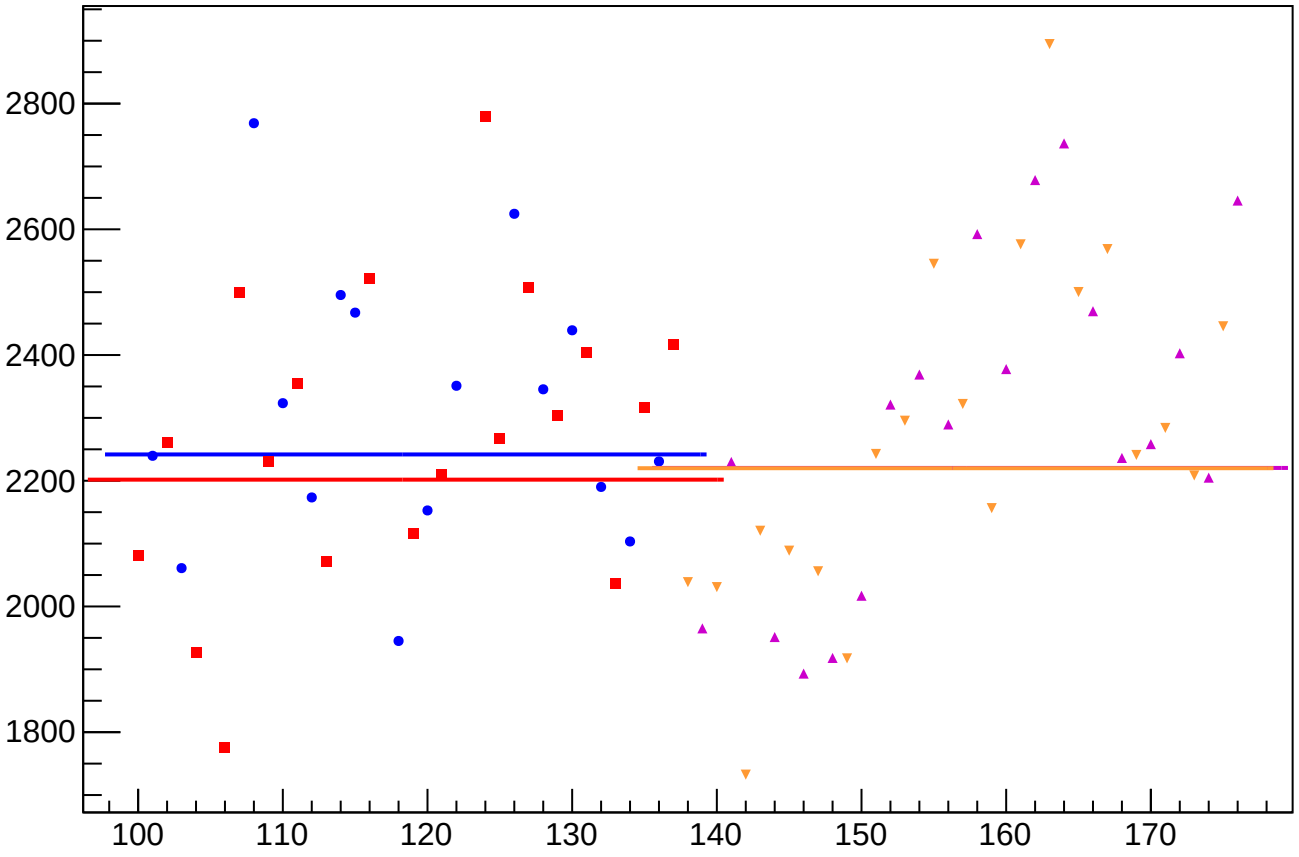
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 0.481+/-0.569 χ^2/NDF:209.9/18

+ sign 8.715+/-0.466 χ^2/NDF: 247.5/35

All: 3.409+/-0.329 χ^2/NDF: 902.5/73

- sign -1.879+/-0.466 χ^2/NDF: 396.5/37



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2219.940+/-0.397 χ^2/NDF:375567.3/19

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

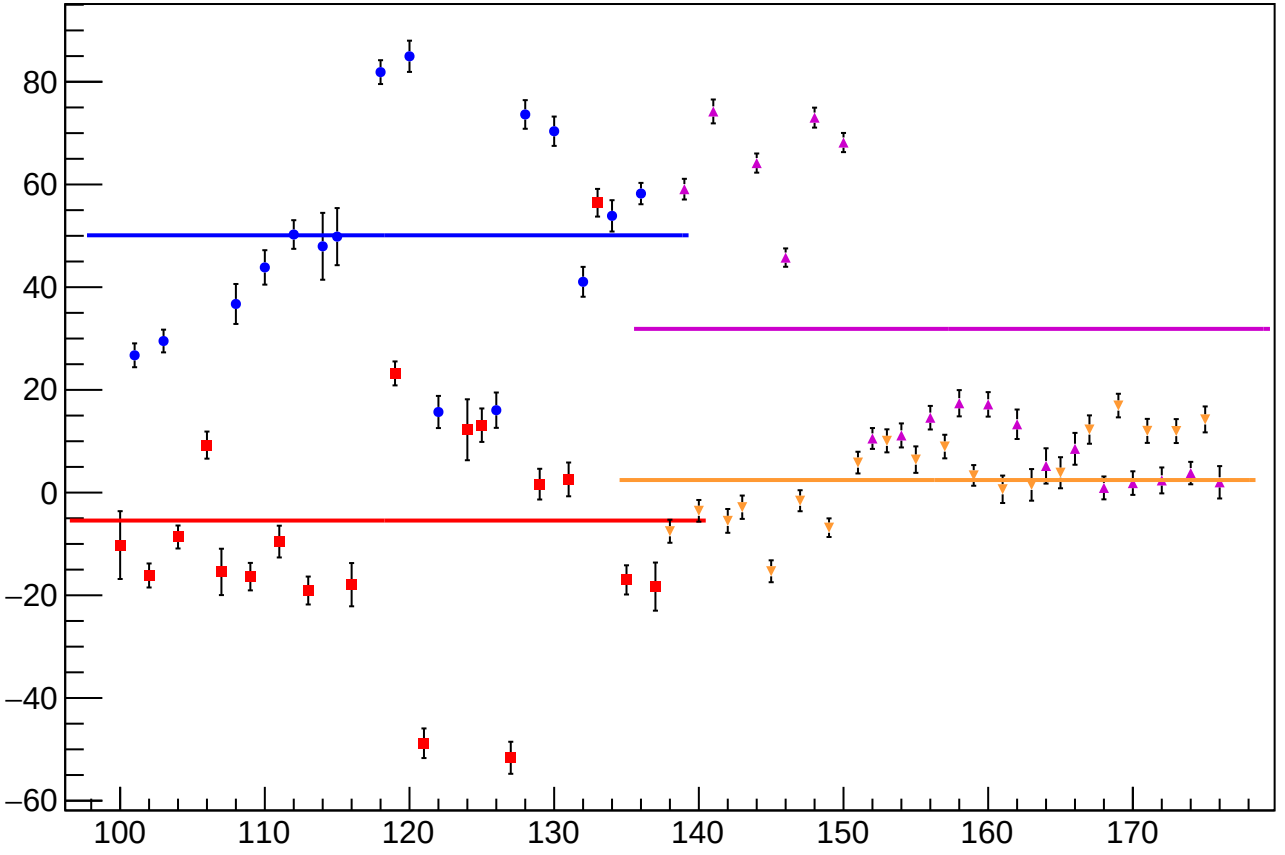
Left In: 2220.376+/-0.402 χ^2/NDF:373754.9/18

+ sign 2226.733+/-0.330 χ^2/NDF: 478772.4/35

All: 2220.460+/-0.233 χ^2/NDF: 983842.1/73

- sign 2214.209+/-0.329 χ^2/NDF: 504347.2/37

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 2.445+/-0.515 χ^2/NDF:278.0/19

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

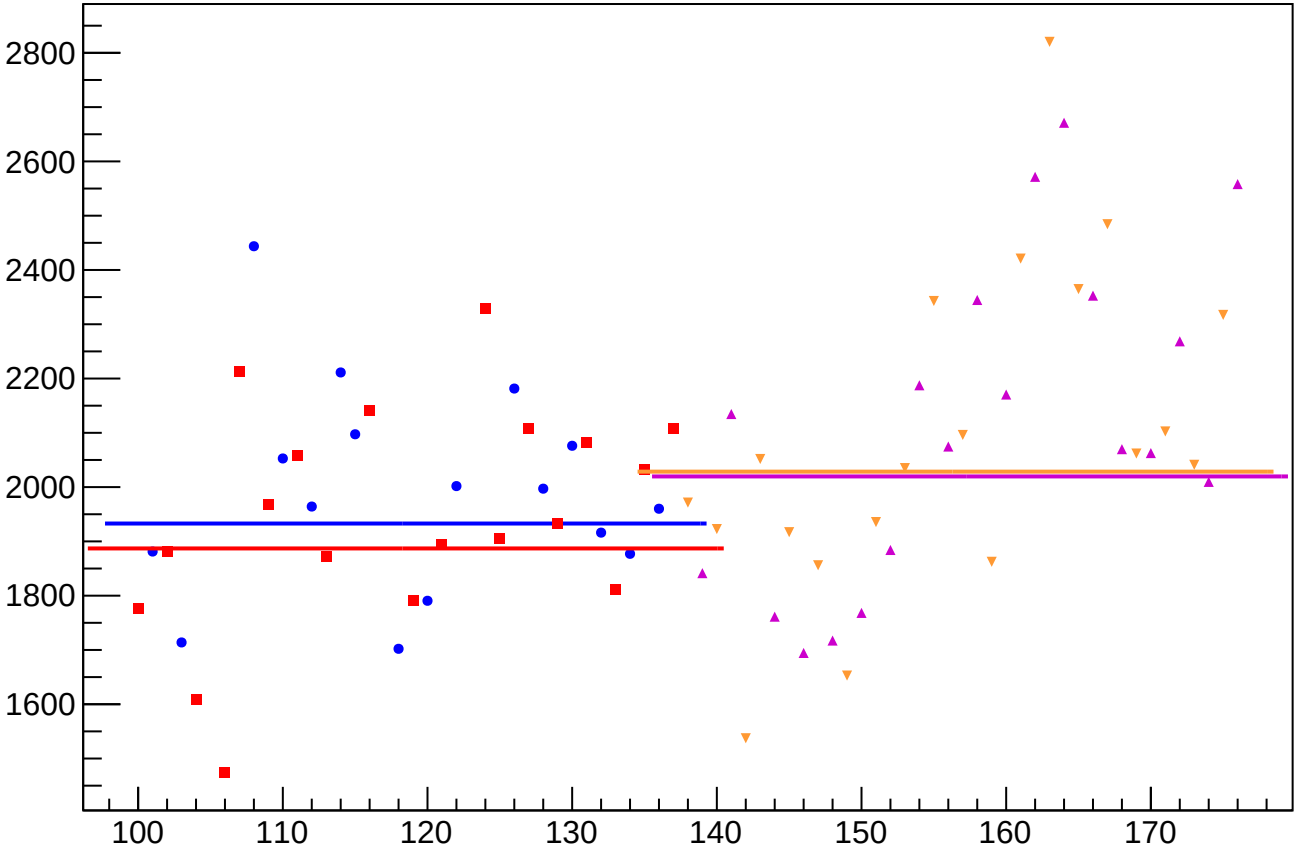
Left In: 31.882+/-0.520 χ^2/NDF:2930.4/18

+ sign 18.500+/-0.419 χ^2/NDF: 4054.7/35

All: 18.480+/-0.295 χ^2/NDF: 10147.7/73

- sign 18.460+/-0.416 χ^2/NDF: 6093.0/37

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2028.492+/-0.364 χ^2/NDF:533889.7/19

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

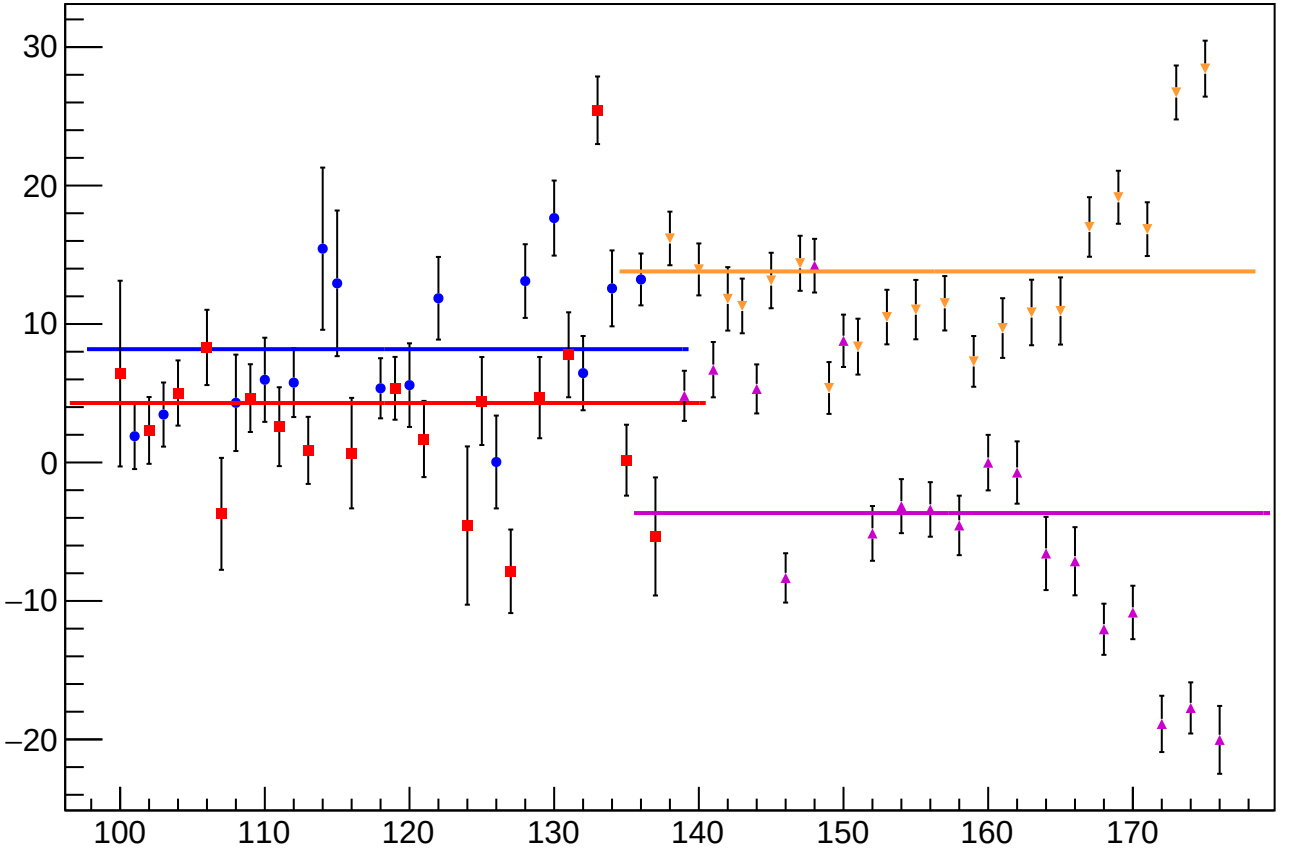
Left In: 2019.663+/-0.368 χ^2/NDF:518717.8/18

+ sign 1996.290+/-0.296 χ^2/NDF: 663095.3/35

All: 1984.044+/-0.209 χ^2/NDF: 1381714.2/73

- sign 1971.961+/-0.294 χ^2/NDF: 715226.7/37

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.797+/-0.452 χ^2/NDF:165.5/19

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

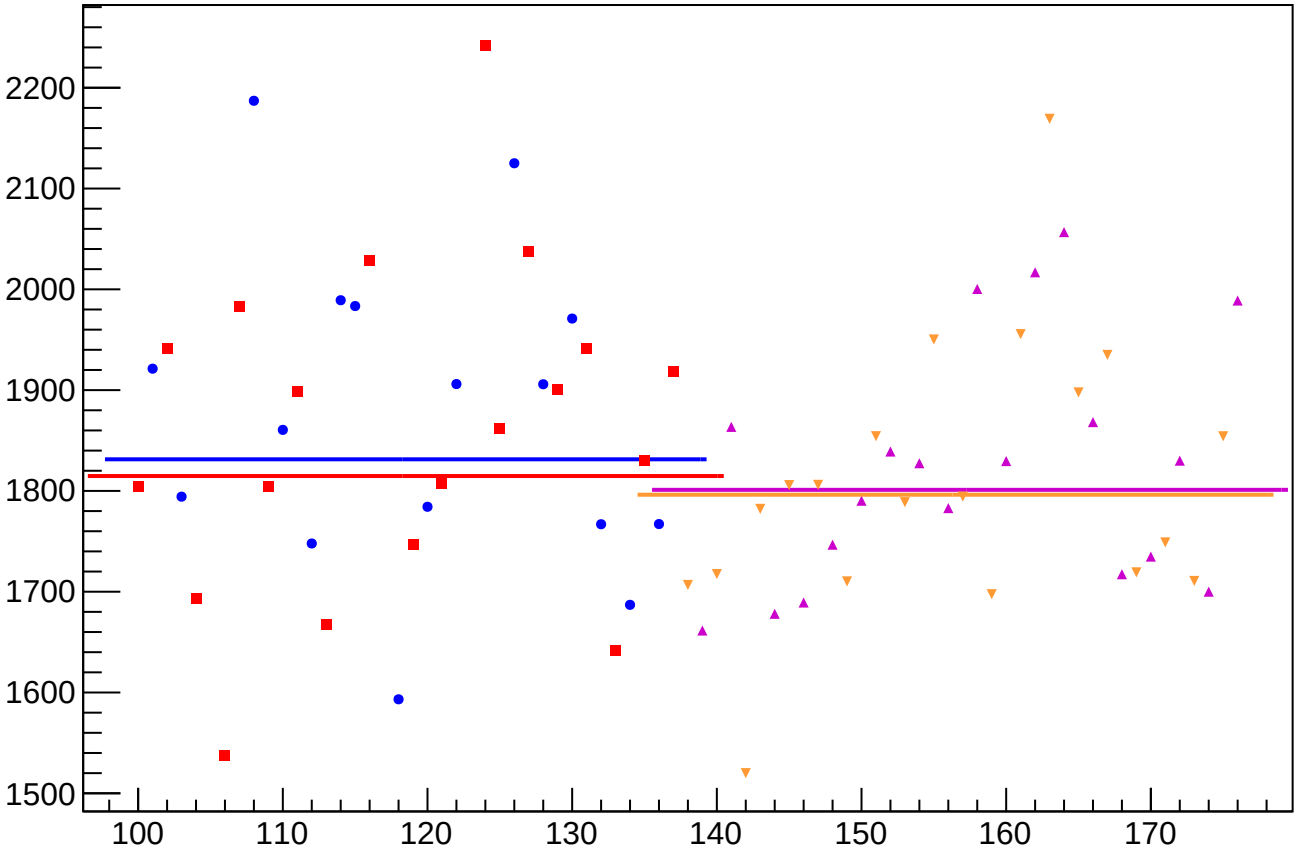
Left In: -3.652+/-0.459 χ^2/NDF:412.0/18

\+ sign 12.088+/-0.377 χ^2/NDF: 264.4/35

All: 5.511+/-0.267 χ^2/NDF: 1496.2/73

\- sign -1.089+/-0.378 χ^2/NDF: 622.6/37

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1796.234+/-0.320 χ^2/NDF:141459.3/19

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

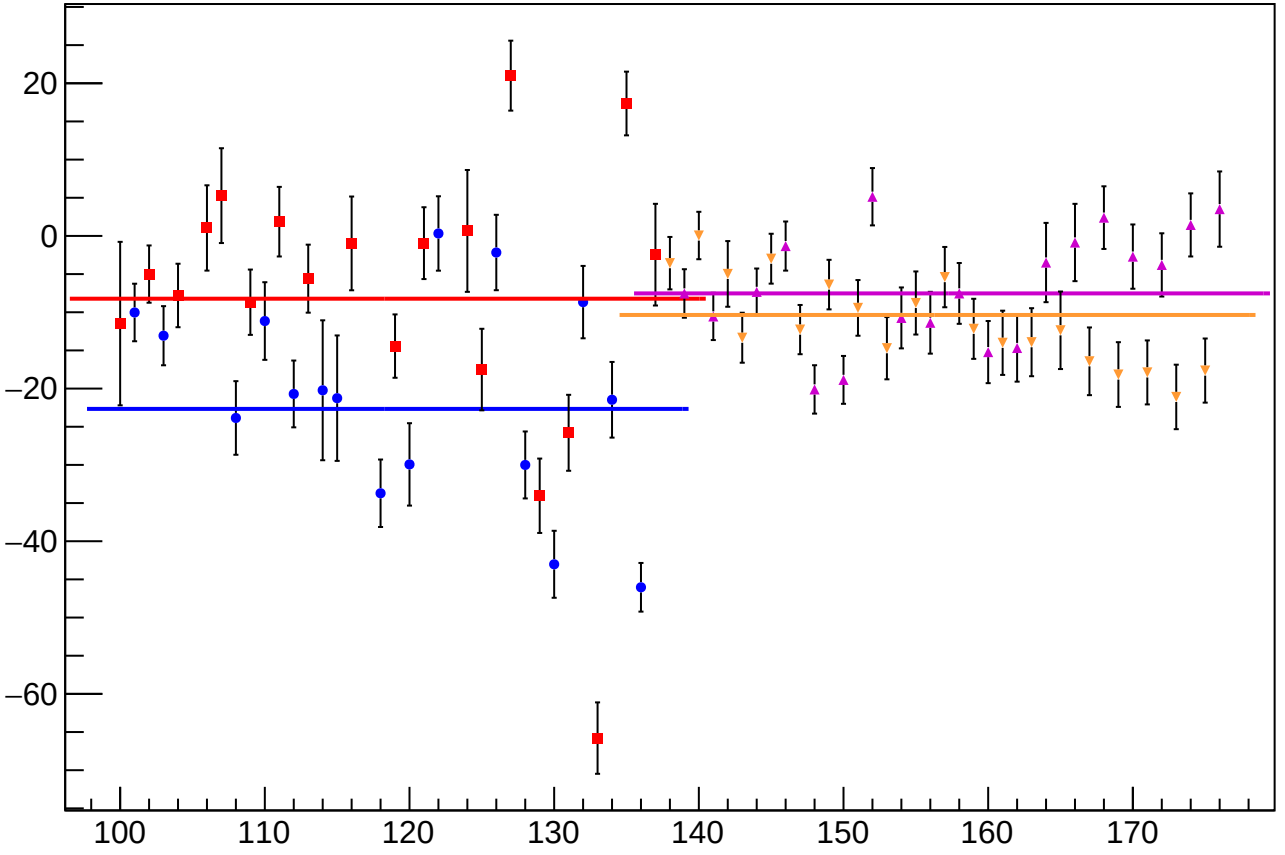
Left In: 1801.080+/-0.325 χ^2/NDF:115087.5/18

+ sign 1806.928+/-0.267 χ^2/NDF: 232051.7/35

All: 1806.213+/-0.189 χ^2/NDF: 438466.2/73

- sign 1805.495+/-0.267 χ^2/NDF: 206400.1/37

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.355+/-0.856 χ^2/NDF:47.1/19

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

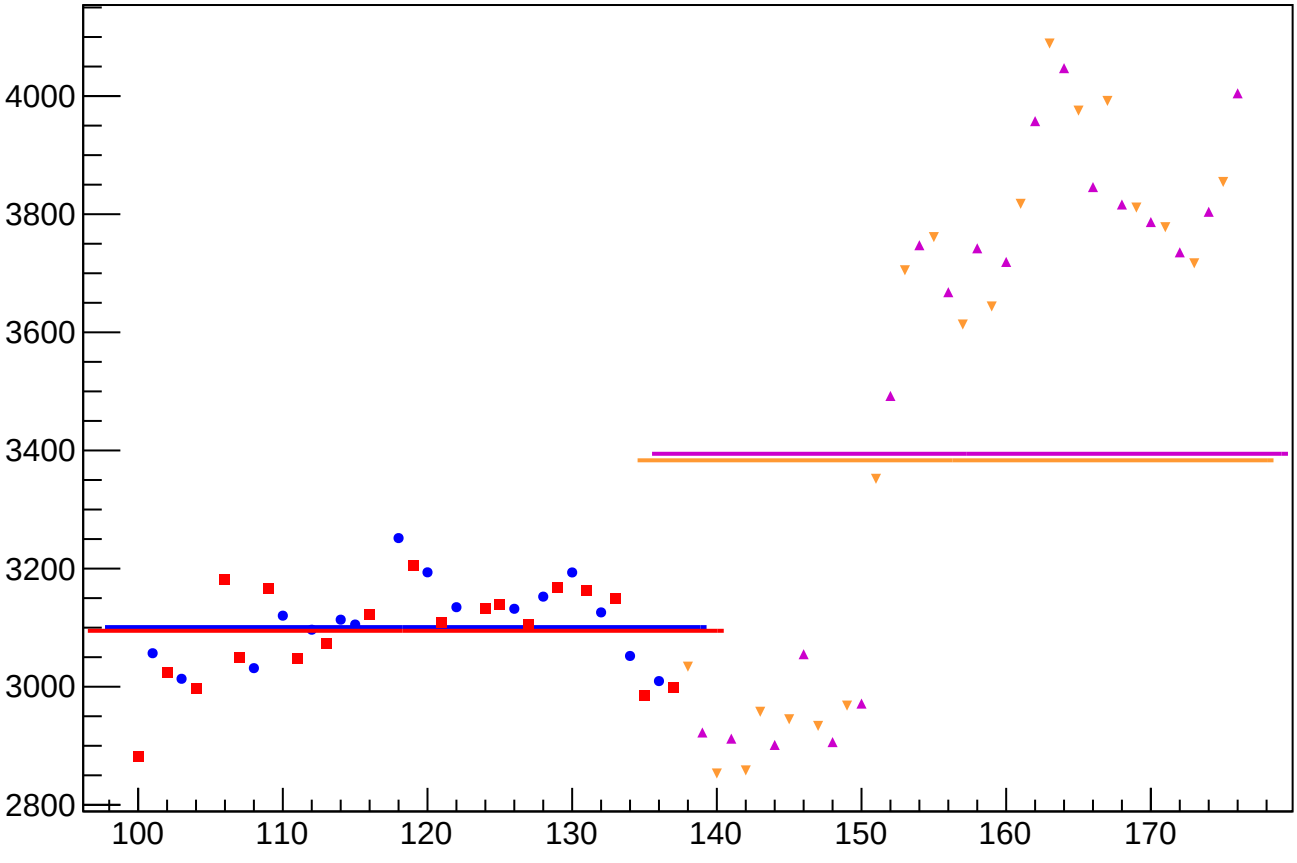
Left In: -7.530+/-0.868 χ^2/NDF:72.6/18

+ sign -14.734+/-0.687 χ^2/NDF: 277.8/35

All: -11.266+/-0.486 χ^2/NDF: 696.5/73

- sign -7.788+/-0.688 χ^2/NDF: 367.7/37

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3383.310+/-0.605 χ^2/NDF:506954.9/19

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

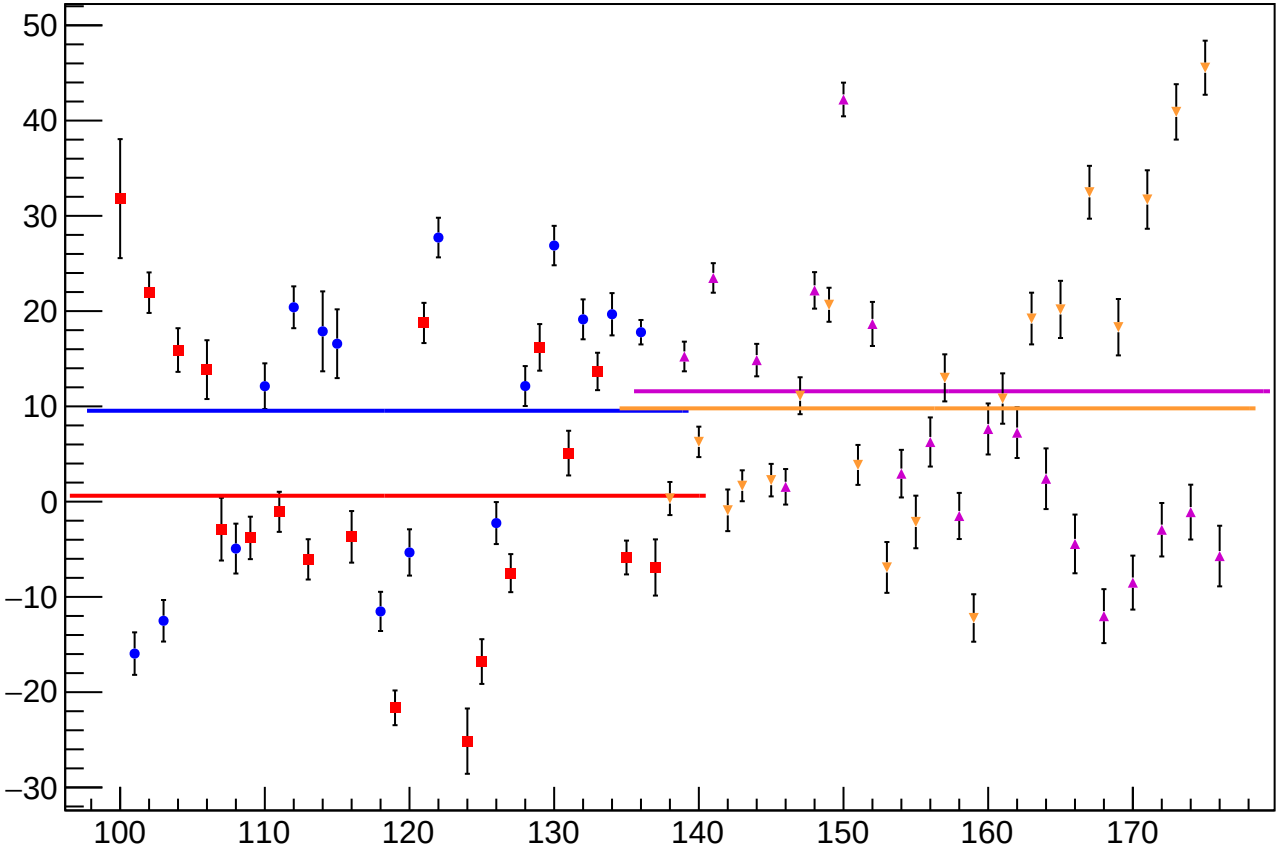
Left In: 3394.386+/-0.614 χ^2/NDF:487185.0/18

\+ sign 3282.838+/-0.486 χ^2/NDF: 592262.9/35

All: 3282.928+/-0.344 χ^2/NDF: 1176624.7/73

\- sign 3283.018+/-0.487 χ^2/NDF: 584361.8/37

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 9.791+/-0.497 χ^2/NDF:709.6/19

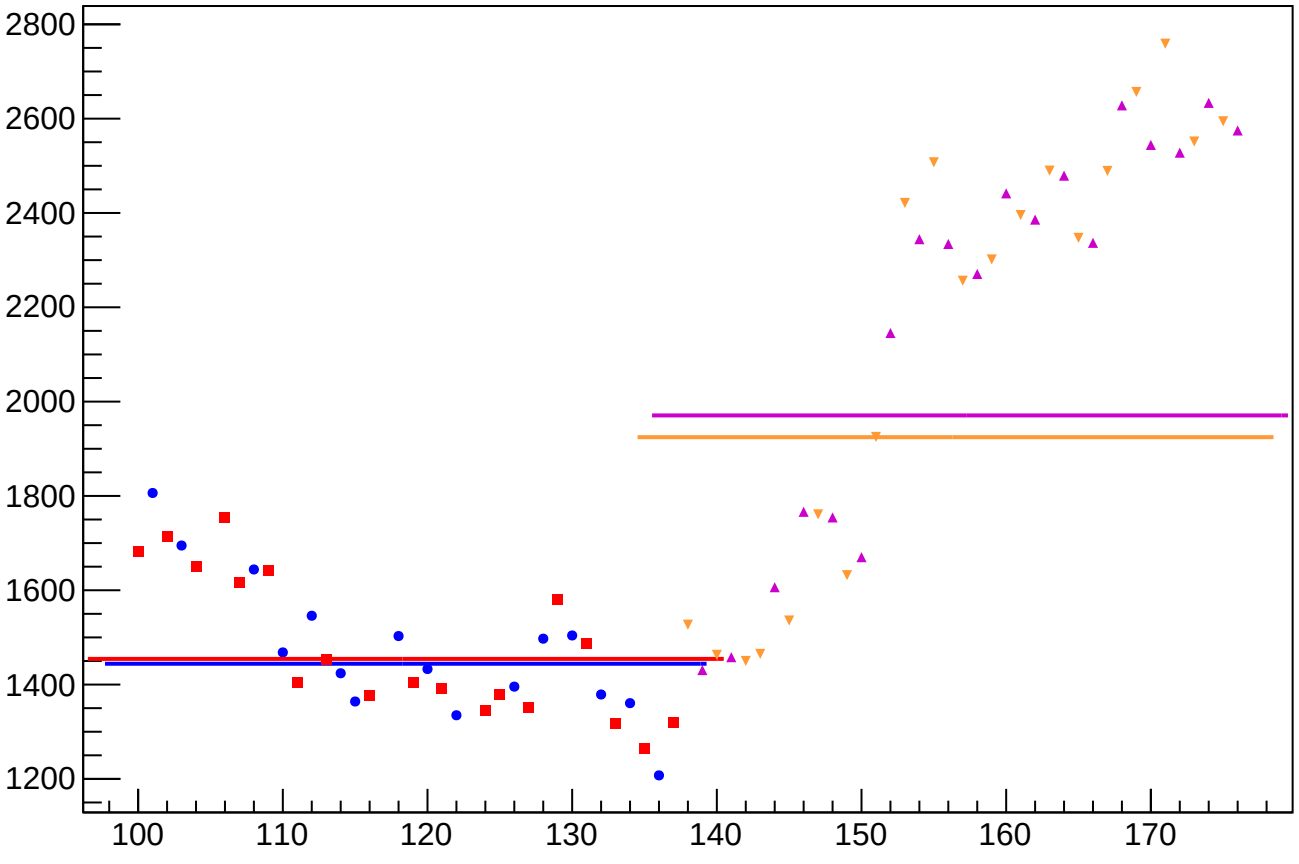
Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: 11.586+/-0.513 χ^2/NDF:718.3/18

+ sign 9.676+/-0.366 χ^2/NDF: 1408.4/35

All: 8.017+/-0.260 χ^2/NDF: 3053.3/73

- sign 6.324+/-0.370 χ^2/NDF: 1603.4/37



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1924.586+/-0.352 χ^2/NDF:1685218.3/19

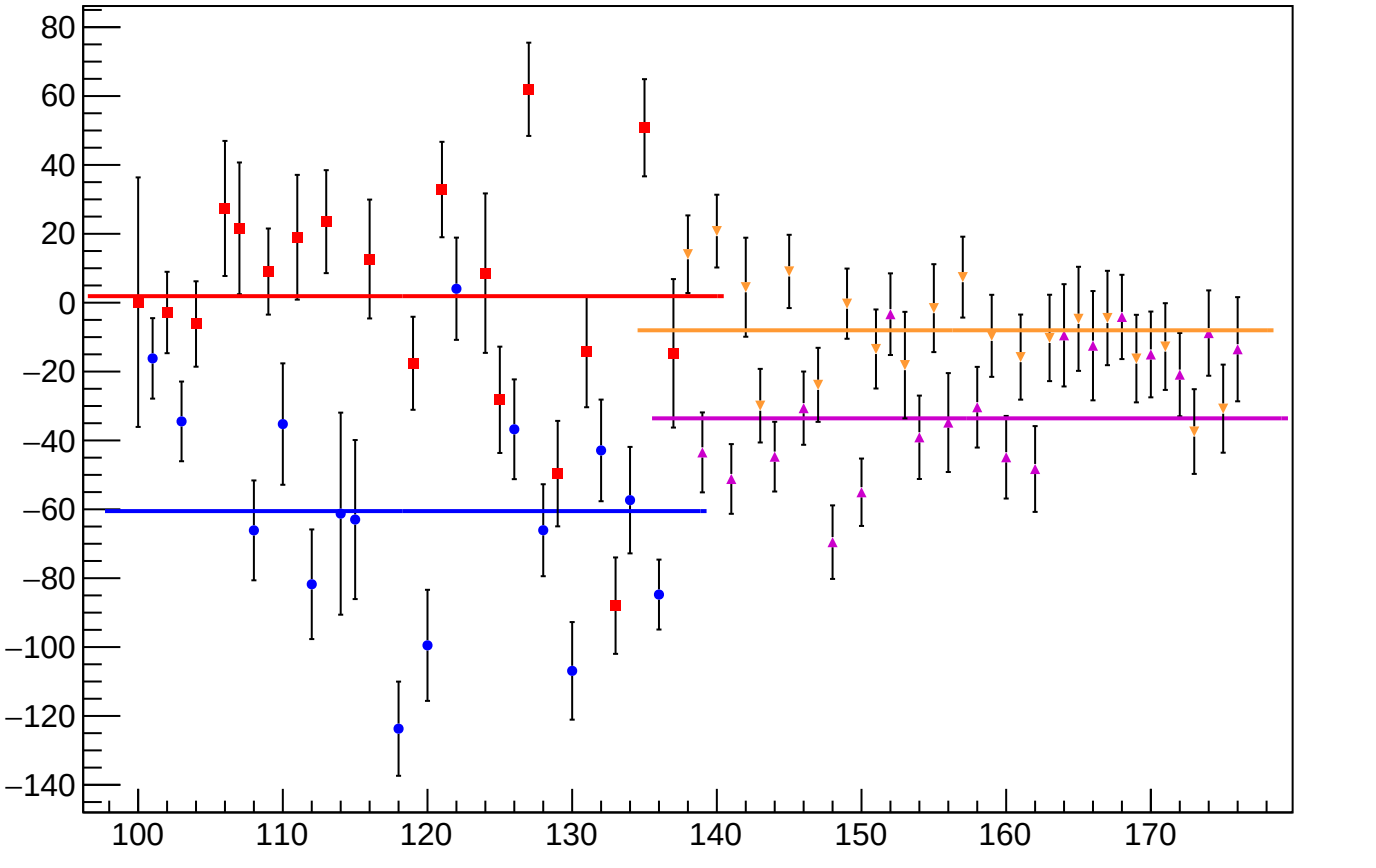
Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1970.704+/-0.363 χ^2/NDF:1420640.0/18

+ sign 1704.637+/-0.259 χ^2/NDF: 2719398.9/35

All: 1713.728+/-0.184 χ^2/NDF: 5257192.3/73

- sign 1723.004+/-0.262 χ^2/NDF: 2535303.8/37



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -8.018+/-2.696 χ^2/NDF:34.2/19

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

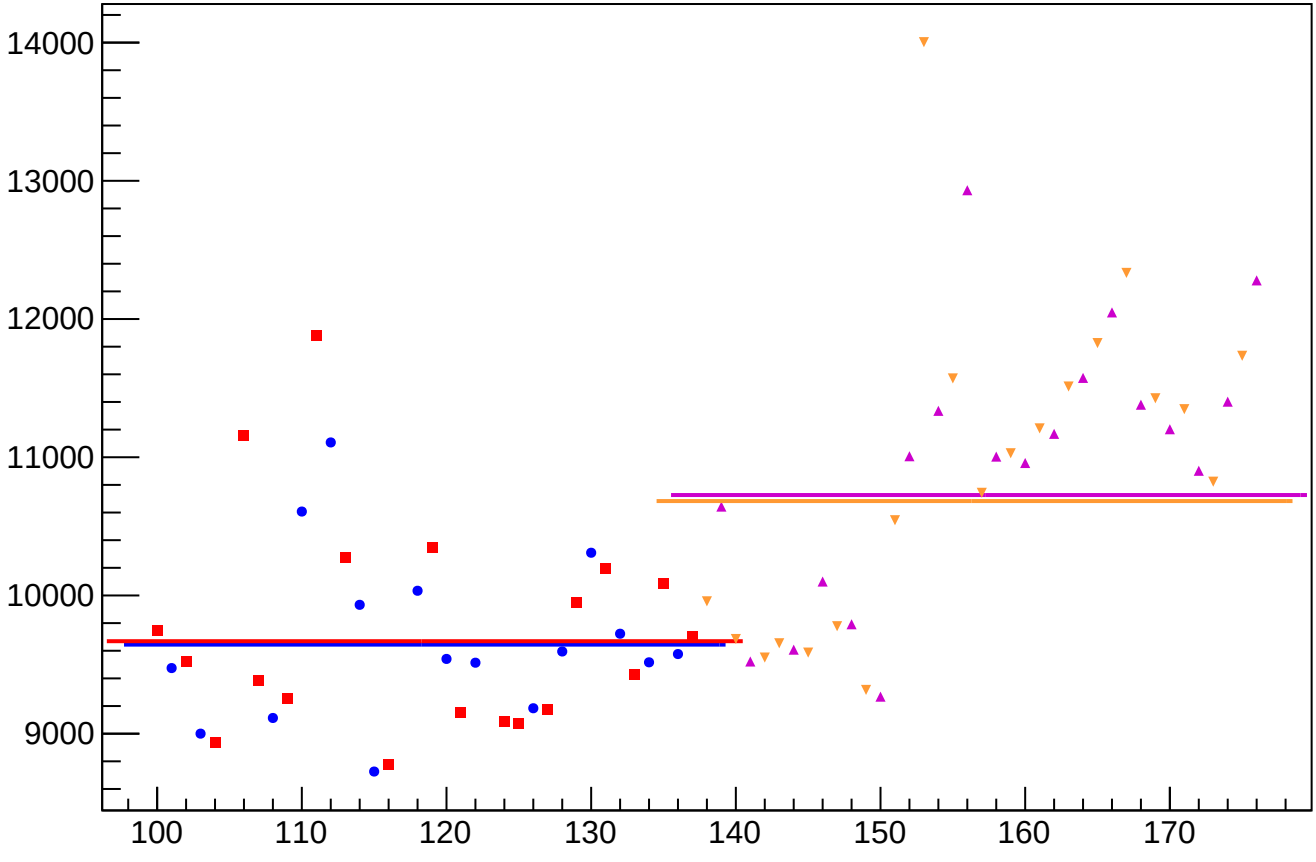
Left In: -33.583+/-2.734 χ^2/NDF:49.5/18

\+ sign -26.907+/-2.157 χ^2/NDF: 260.9/35

All: -23.636+/-1.528 χ^2/NDF: 481.8/73

\- sign -20.343+/-2.164 χ^2/NDF: 216.2/37

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10682.990+/-1.906 χ^2/NDF:311335.2/19

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

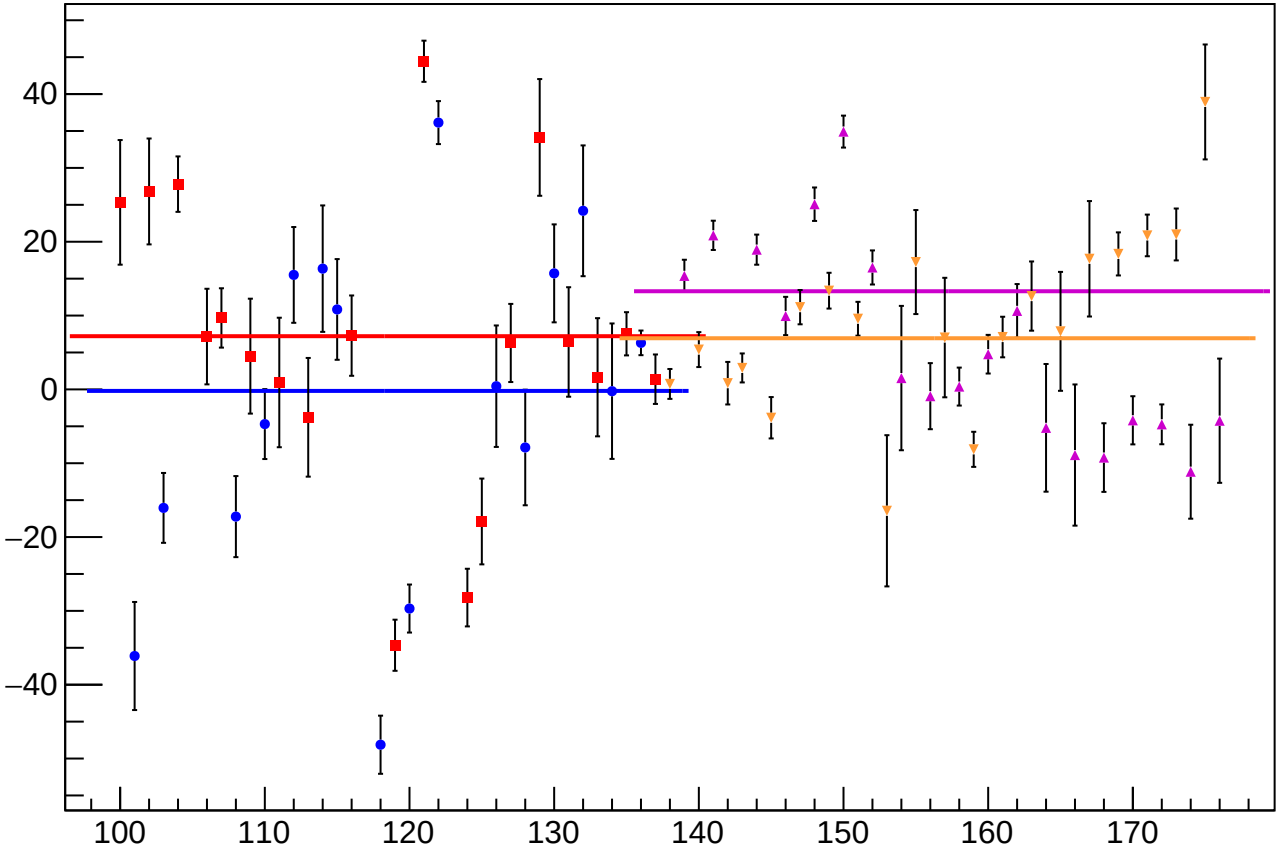
Left In: 10726.640+/-1.933 χ^2/NDF:233760.3/18

+ sign 10309.310+/-1.525 χ^2/NDF: 462229.4/35

All: 10320.611+/-1.080 χ^2/NDF: 887671.0/73

- sign 10331.986+/-1.530 χ^2/NDF: 425331.5/37

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 6.928+/-0.667 χ^2/NDF:168.4/19

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

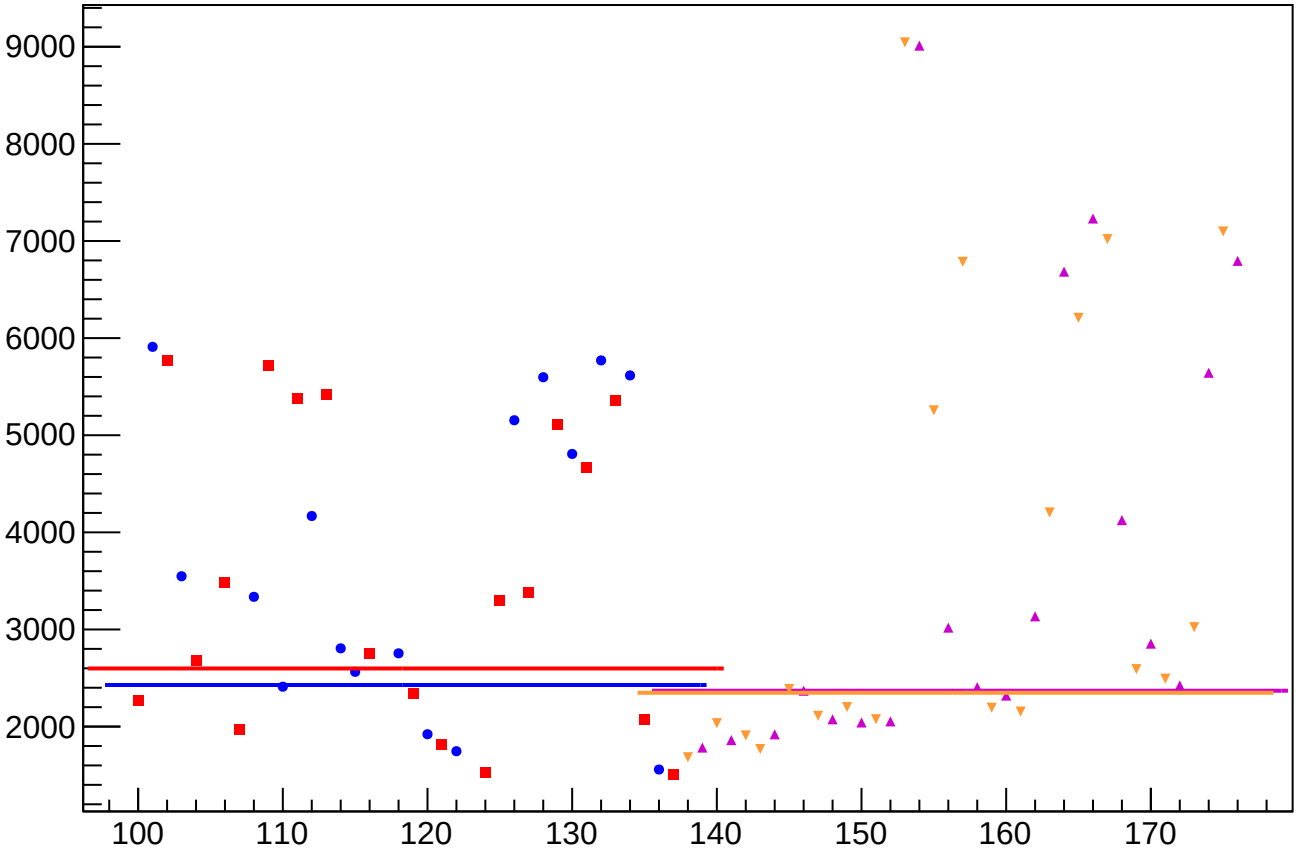
Left In: 13.294+/-0.671 χ^2/NDF:327.4/18

+ sign 4.865+/-0.562 χ^2/NDF: 675.2/35

All: 8.186+/-0.400 χ^2/NDF: 1582.0/73

- sign 11.586+/-0.569 χ^2/NDF: 836.2/37

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2348.359+/-0.472 χ^2/NDF:4668879.2/19

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

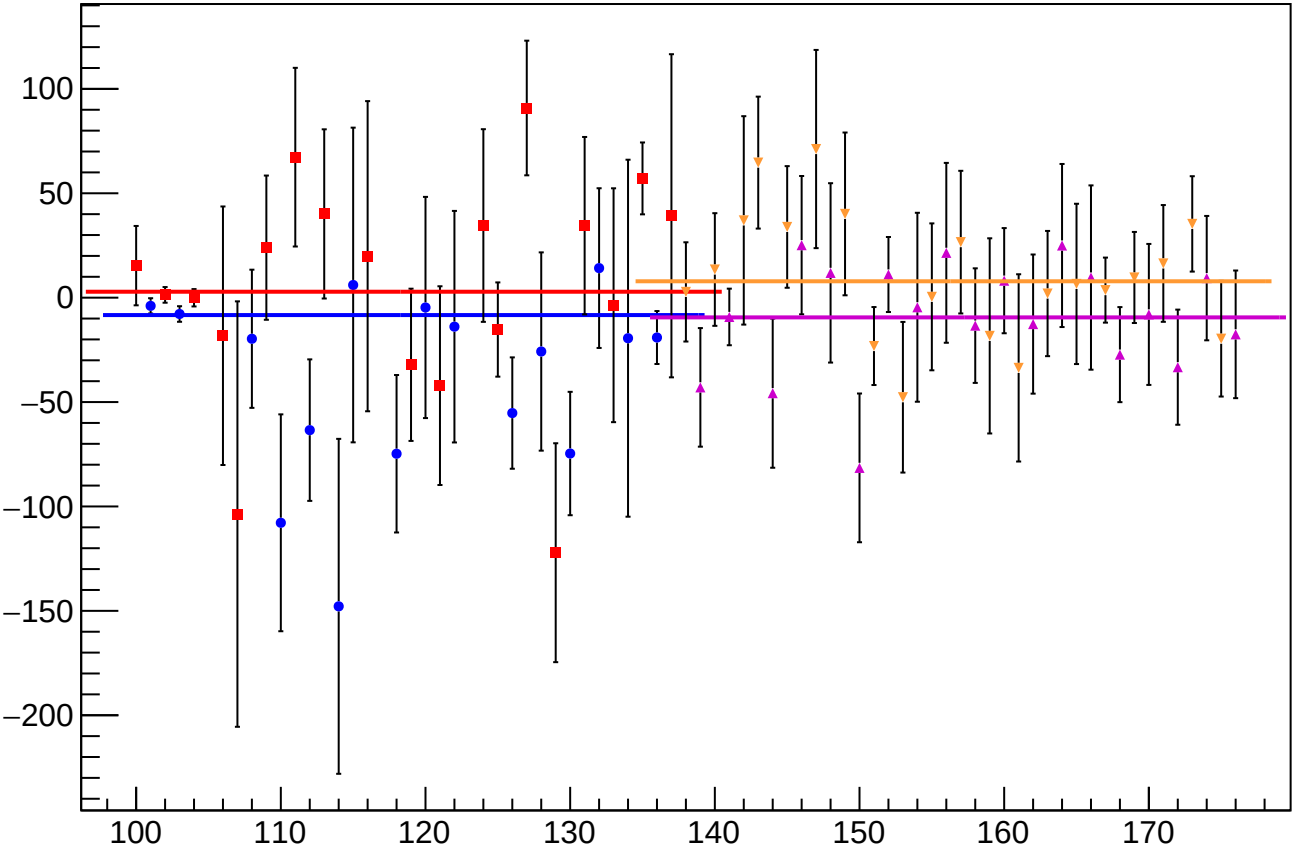
Left In: 2369.528+/-0.474 χ^2/NDF:3972825.0/18

+ sign 2371.417+/-0.398 χ^2/NDF: 7492482.0/35

All: 2402.217+/-0.283 χ^2/NDF: 14057721.0/7

- sign 2433.744+/-0.402 χ^2/NDF: 6553091.6/37

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.851+/-6.250 χ^2/NDF:16.2/19

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

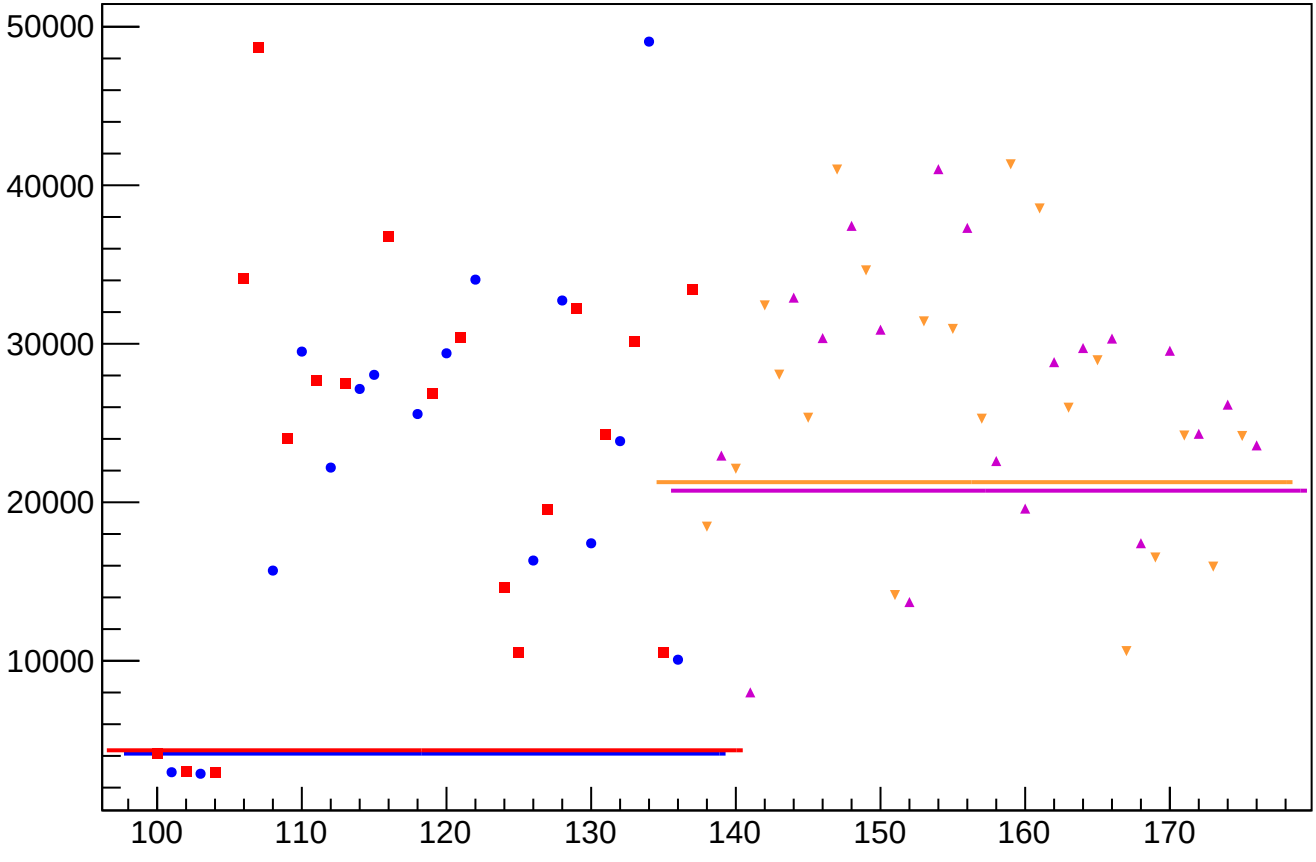
Left In: -9.444+/-6.308 χ^2/NDF:13.0/18

\+ sign -6.101+/-2.321 χ^2/NDF: 45.4/35

All: -2.713+/-1.680 χ^2/NDF: 98.8/73

\- sign 1.016+/-2.435 χ^2/NDF: 48.9/37

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21270.861+/-4.420 χ^2/NDF:3447399.7/19

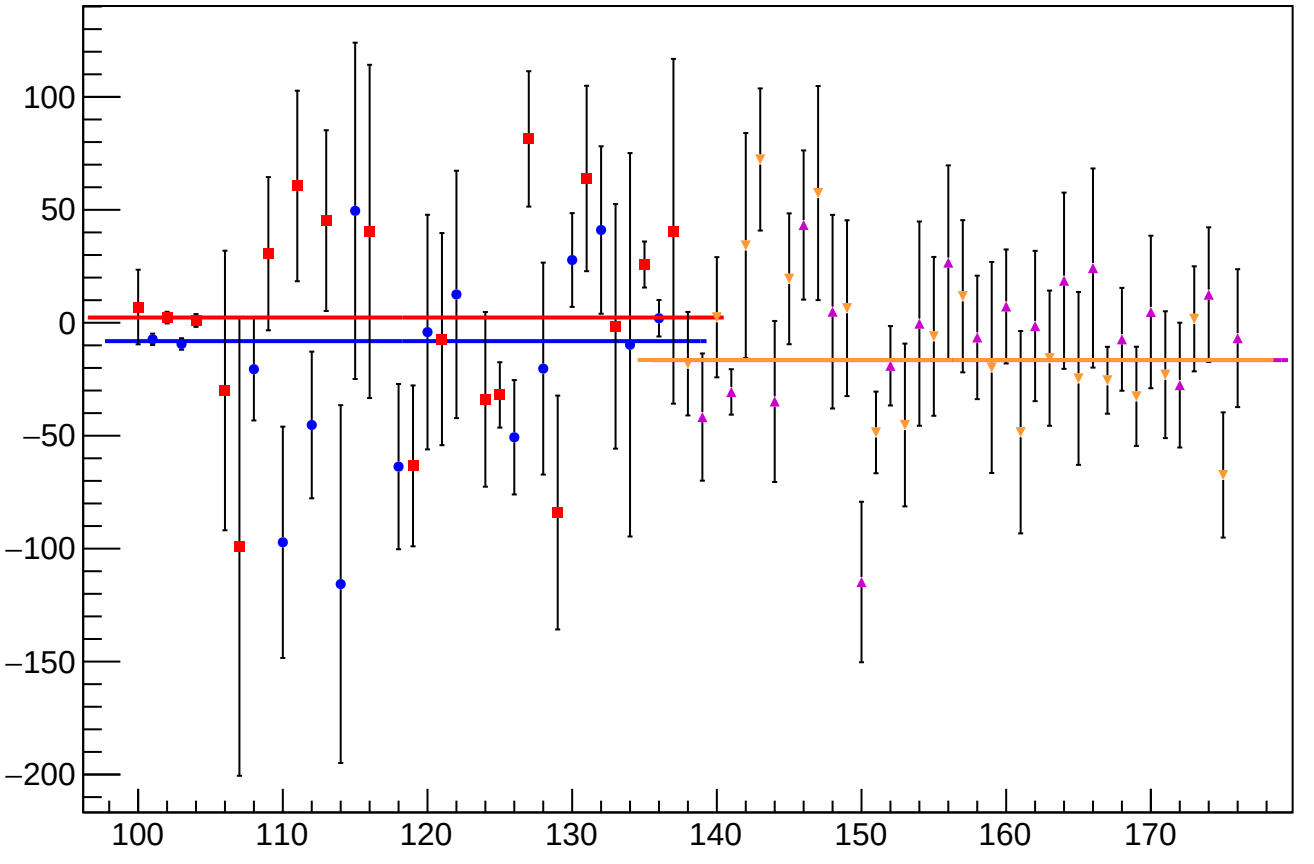
Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 20733.264+/-4.461 χ^2/NDF:4275595.8/18

+ sign 6506.622+/-1.641 χ^2/NDF: 23228229.7/35

All: 6643.817+/-1.188 χ^2/NDF: 46617223.4/7

- sign 6794.857+/-1.722 χ^2/NDF: 23374308.7/37



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -16.469+/-6.159 χ^2/NDF:23.9/19

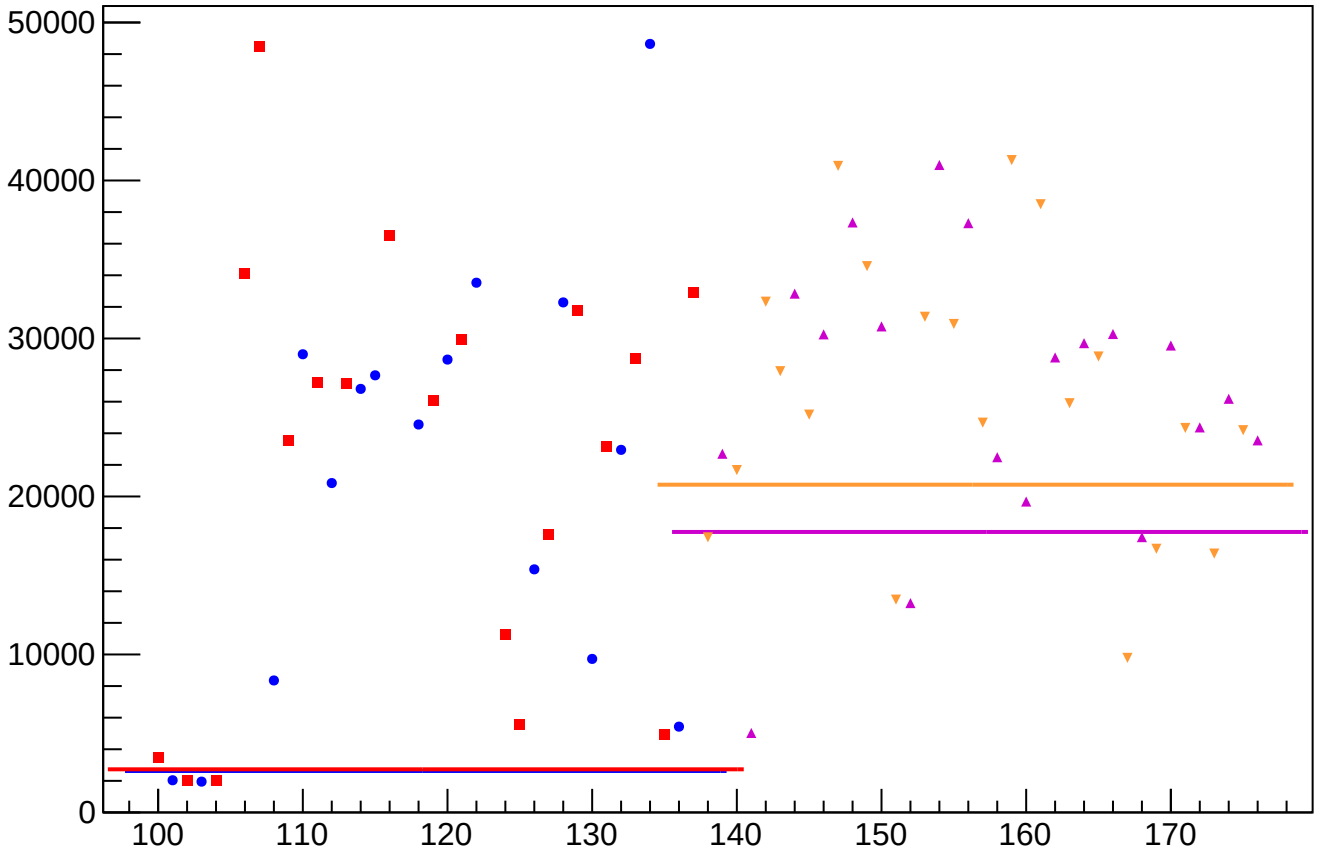
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -16.539+/-5.799 χ^2/NDF:20.0/18

+ sign -8.736+/-1.657 χ^2/NDF: 44.7/35

All: -4.276+/-1.199 χ^2/NDF: 122.6/73

- sign 0.630+/-1.738 χ^2/NDF: 62.7/37



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20745.874+/-4.355 χ^2/NDF:3760612.7/19

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

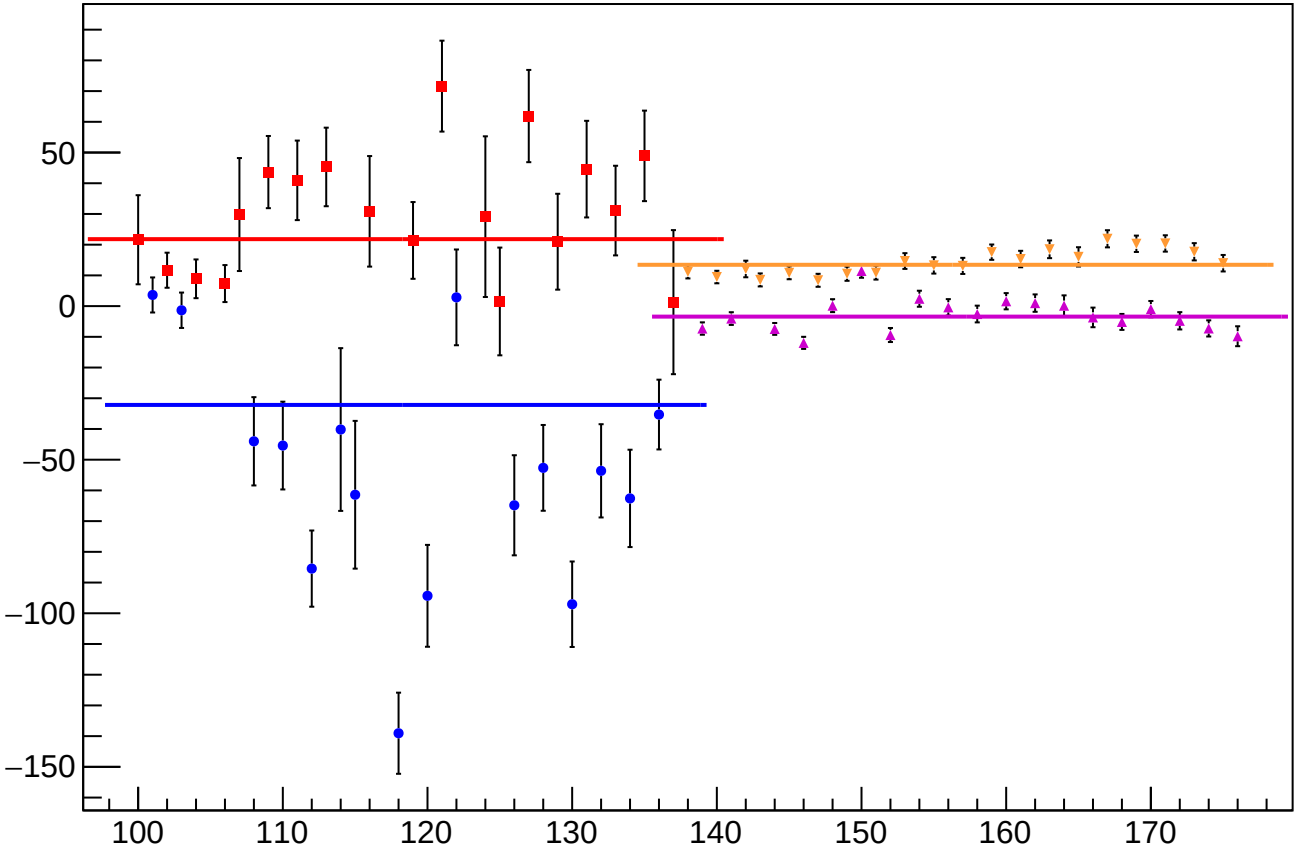
Left In: 17754.176+/-4.100 χ^2/NDF:6893144.4/18

+ sign 3937.732+/-1.172 χ^2/NDF: 26596988.4/35

All: 4005.309+/-0.848 χ^2/NDF: 53701799.0/7

- sign 4079.650+/-1.229 χ^2/NDF: 27097824.5/37

diff_bpm0l04X_mean vs Slug



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.451+/-0.551 χ^2/NDF:52.8/19

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

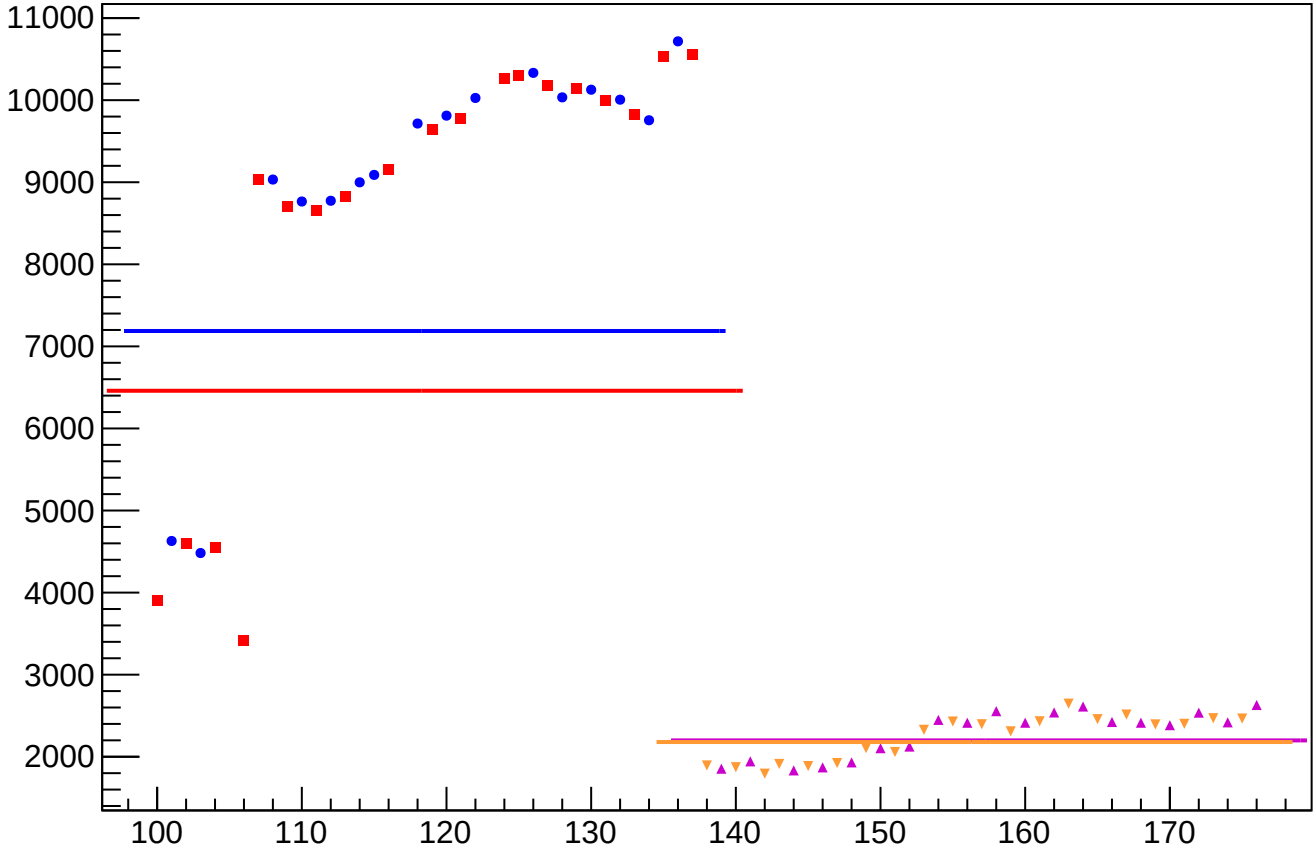
Left In: -3.420+/-0.563 χ^2/NDF:102.5/18

\+ sign 11.797+/-0.541 χ^2/NDF: 509.0/35

All: 4.881+/-0.386 χ^2/NDF: 1085.1/73

\- sign -2.254+/-0.550 χ^2/NDF: 244.3/37

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2179.538+/-0.390 χ^2/NDF:458305.9/19

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

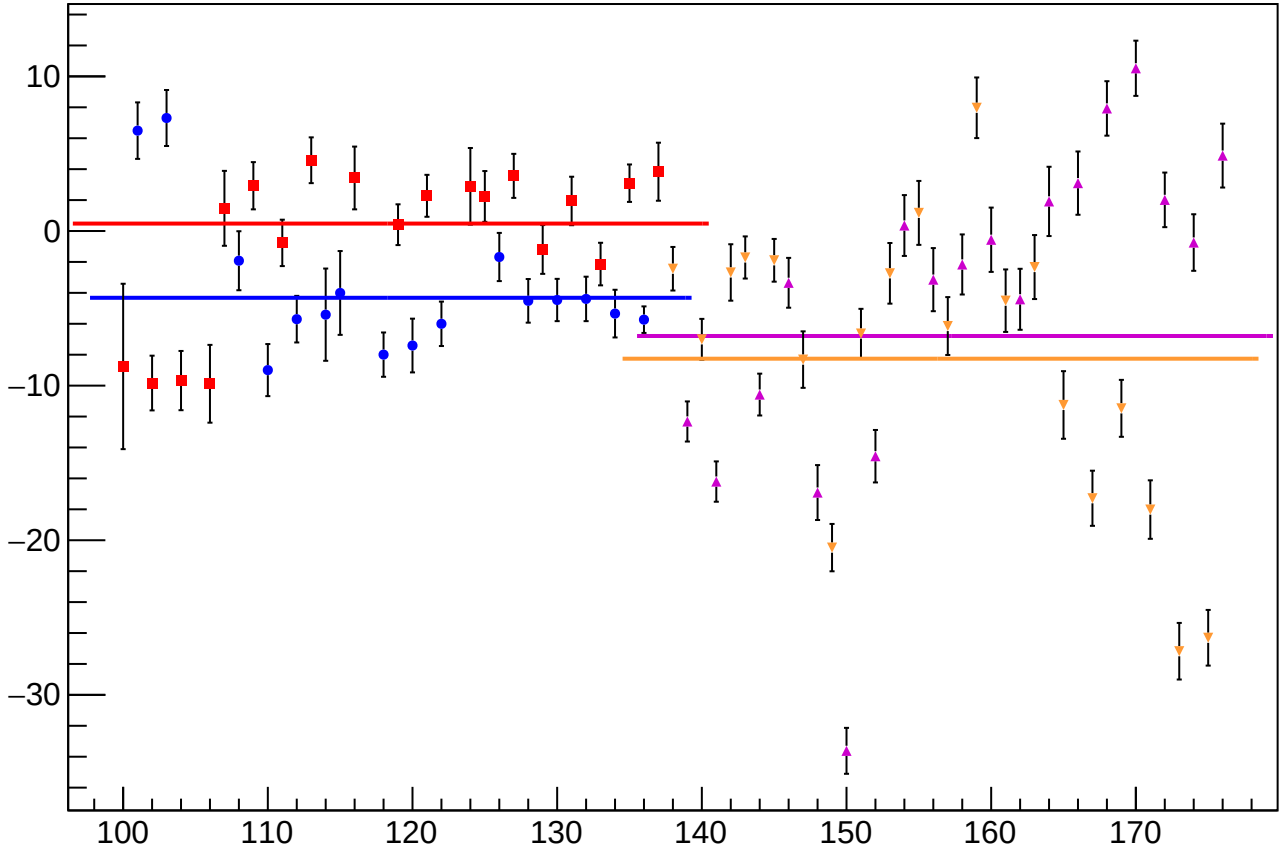
Left In: 2199.135+/-0.398 χ^2/NDF:503849.3/18

+ sign 2361.187+/-0.383 χ^2/NDF: 8149976.2/35

All: 2378.315+/-0.273 χ^2/NDF: 16228052.5/7

- sign 2395.984+/-0.389 χ^2/NDF: 8074007.2/37

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -8.259+/-0.384 χ^2/NDF:510.9/19

Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

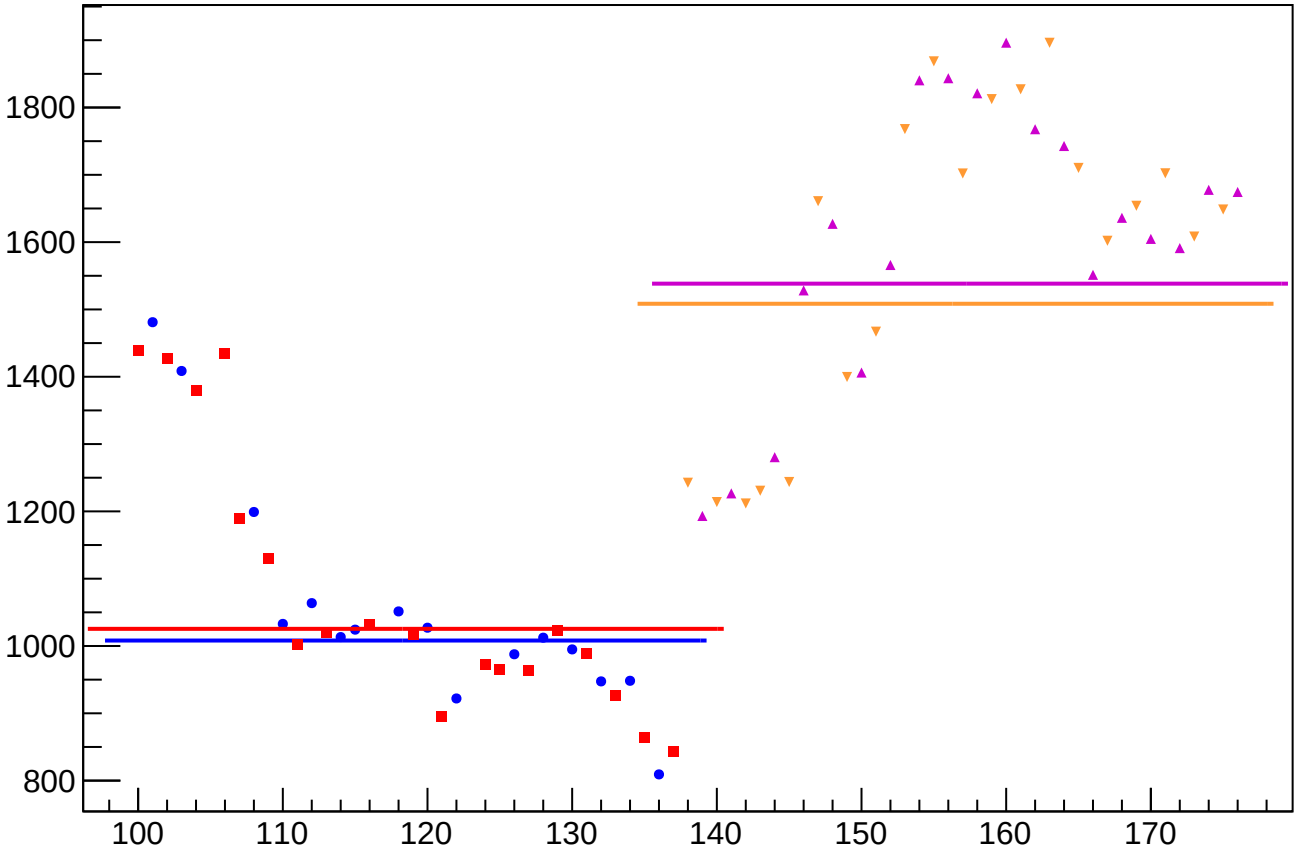
Left In: -6.790+/-0.395 χ^2/NDF:764.8/18

+ sign -6.266+/-0.270 χ^2/NDF: 667.8/35

All: -4.654+/-0.192 χ^2/NDF: 1798.6/73

- sign -3.001+/-0.273 χ^2/NDF: 1058.6/37

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1508.441+/-0.272 χ^2/NDF:764255.7/19

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

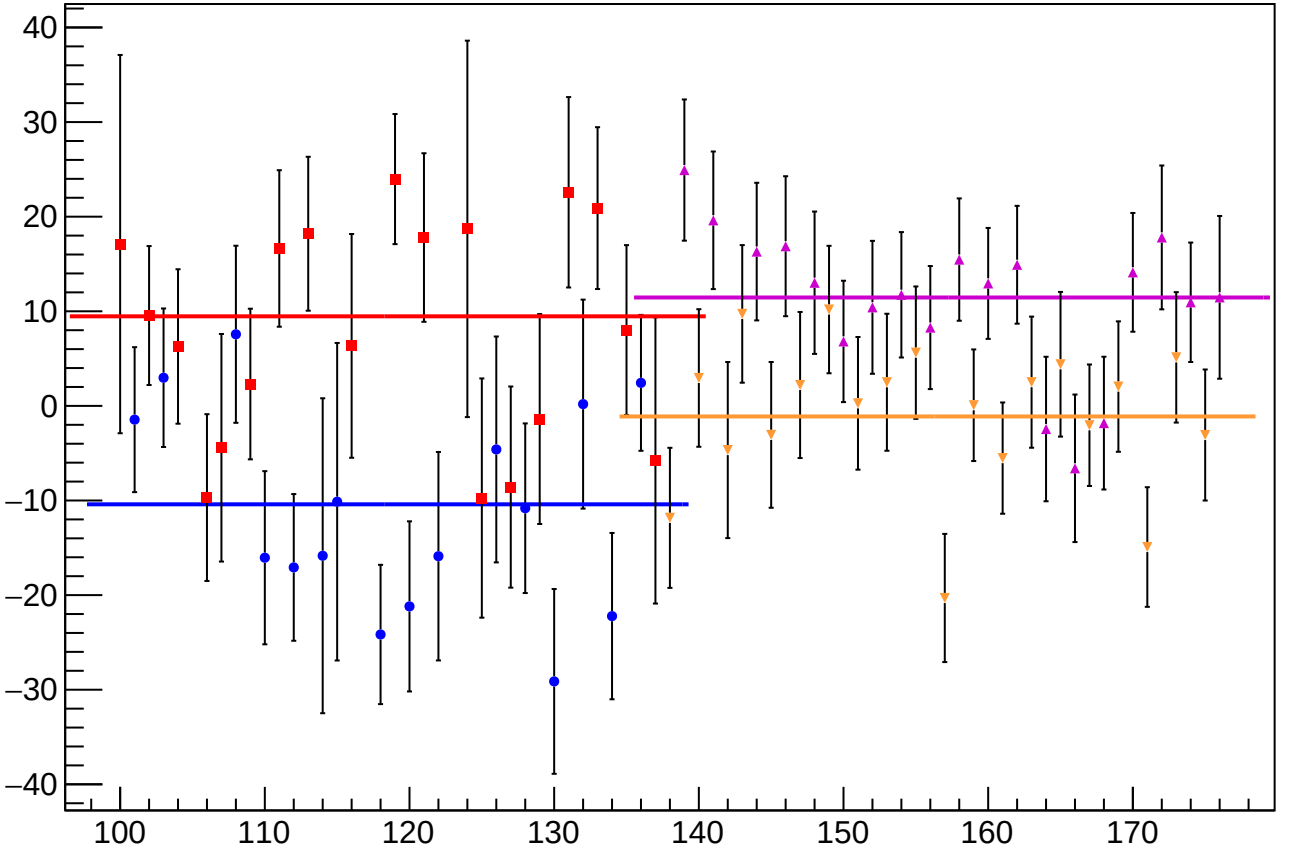
Left In: 1538.318+/-0.279 χ^2/NDF:617975.3/18

+ sign 1255.424+/-0.191 χ^2/NDF: 2859186.9/35

All: 1263.159+/-0.136 χ^2/NDF: 5583353.8/73

- sign 1271.085+/-0.193 χ^2/NDF: 2720844.3/37

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -1.116+/-1.557 χ^2/NDF:24.4/19

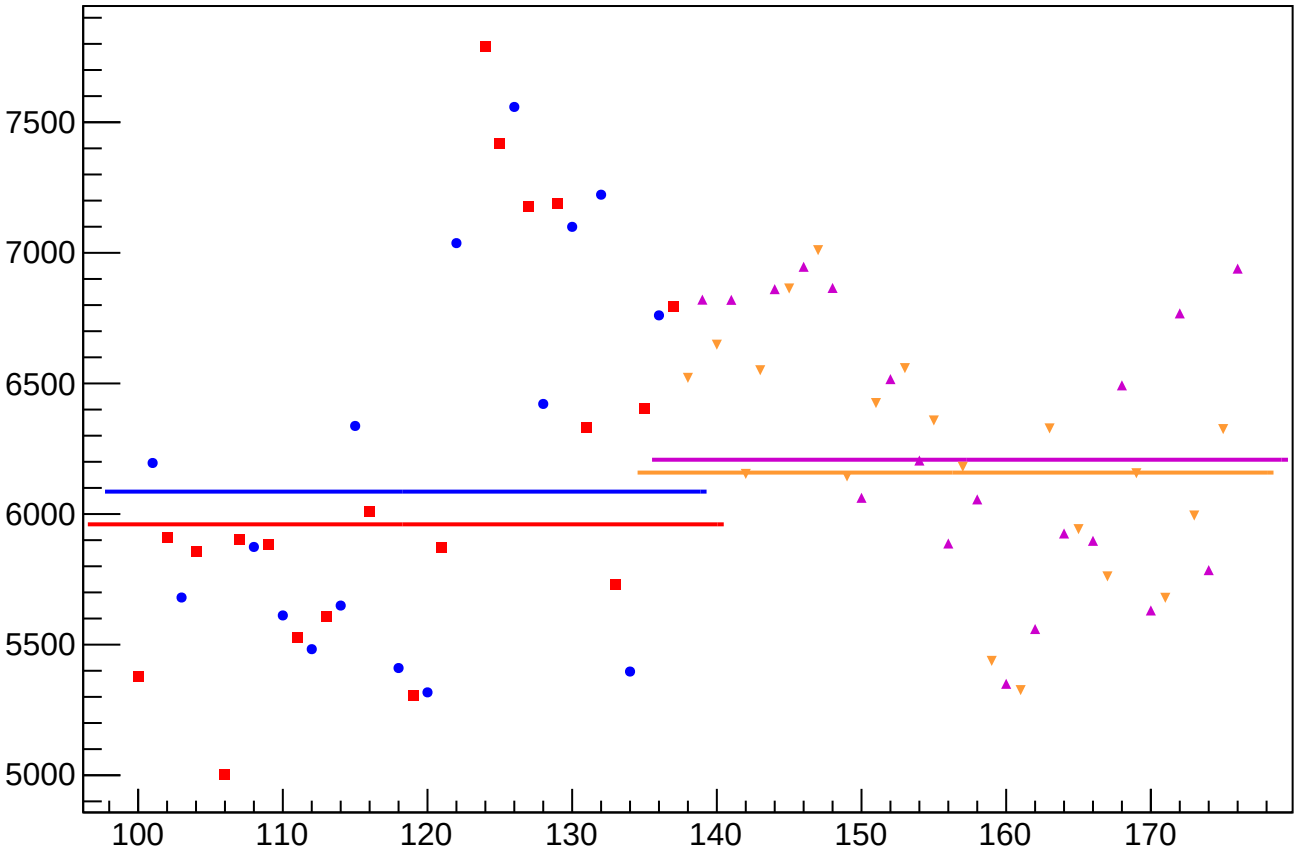
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 11.458+/-1.588 χ^2/NDF:20.2/18

+ sign -4.069+/-1.286 χ^2/NDF: 60.3/35

All: 3.351+/-0.909 χ^2/NDF: 173.1/73

- sign 10.772+/-1.286 χ^2/NDF: 46.1/37



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6158.722+/-1.101 χ^2/NDF:165627.0/19

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

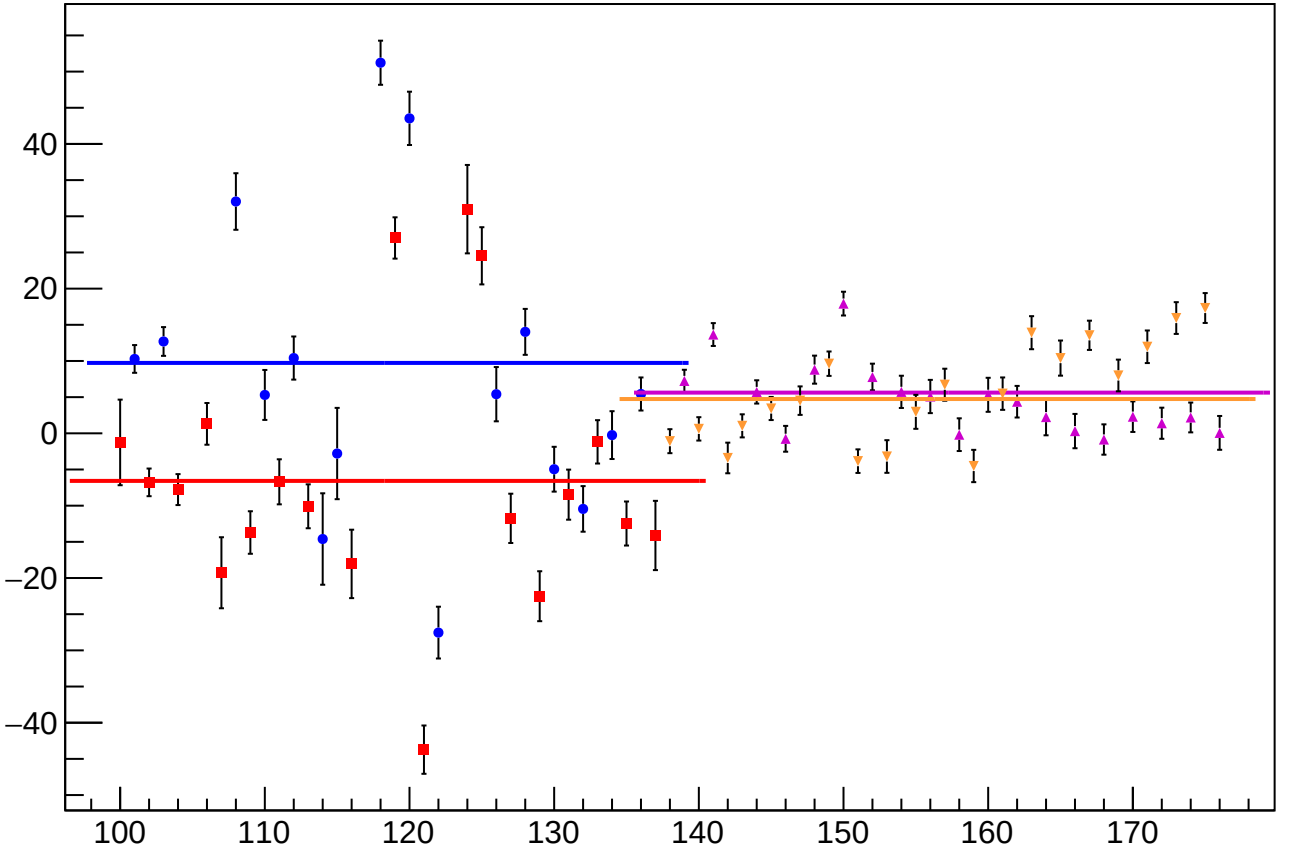
Left In: 6207.933+/-1.123 χ^2/NDF:214759.5/18

+ sign 6135.563+/-0.909 χ^2/NDF: 346138.4/35

All: 6129.168+/-0.643 χ^2/NDF: 740479.8/73

- sign 6122.772+/-0.909 χ^2/NDF: 394242.4/37

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 4.741+/-0.439 χ^2/NDF:223.2/19

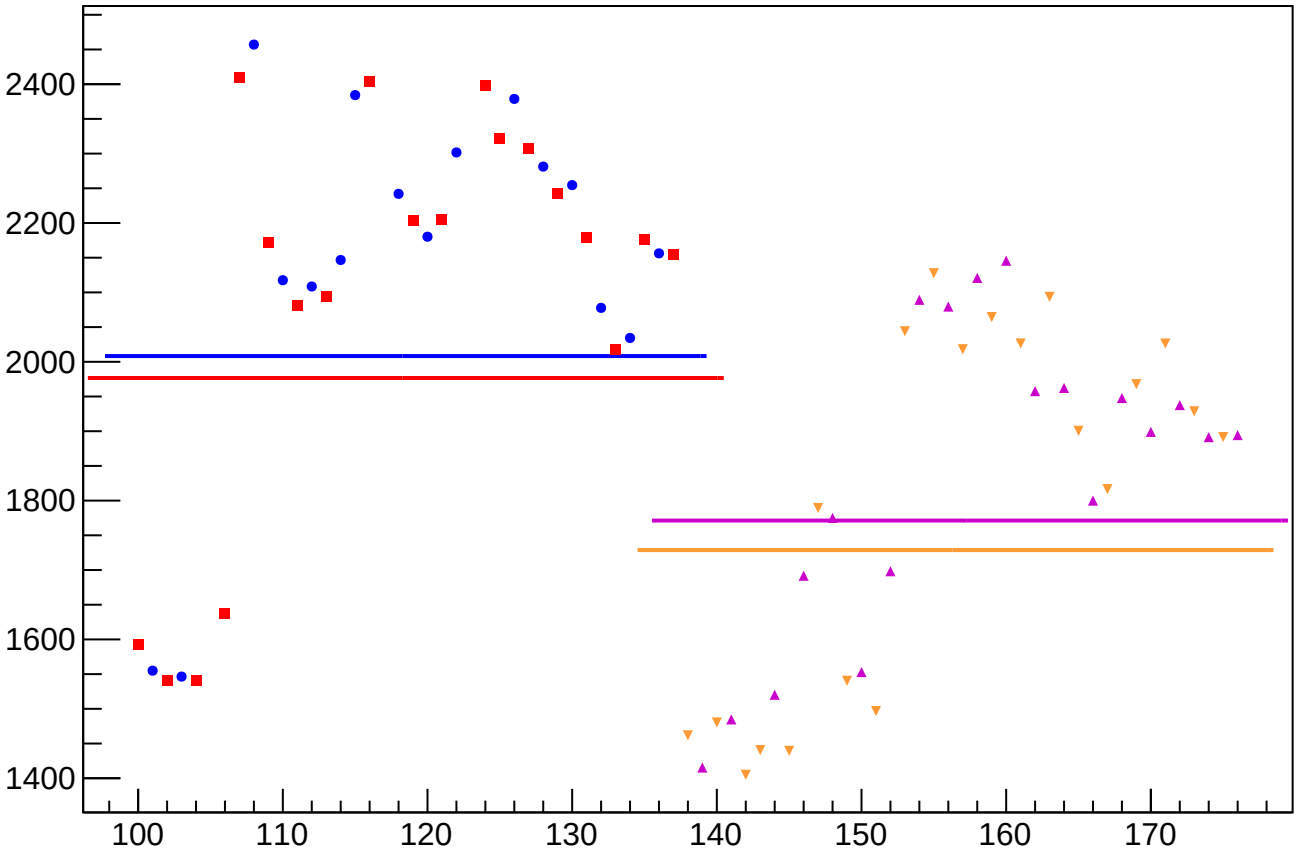
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 5.627+/-0.454 χ^2/NDF:138.1/18

+ sign 6.005+/-0.380 χ^2/NDF: 768.2/35

All: 4.144+/-0.271 χ^2/NDF: 1580.1/73

- sign 2.226+/-0.386 χ^2/NDF: 763.2/37



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1728.731+/-0.311 χ^2/NDF:708348.1/19

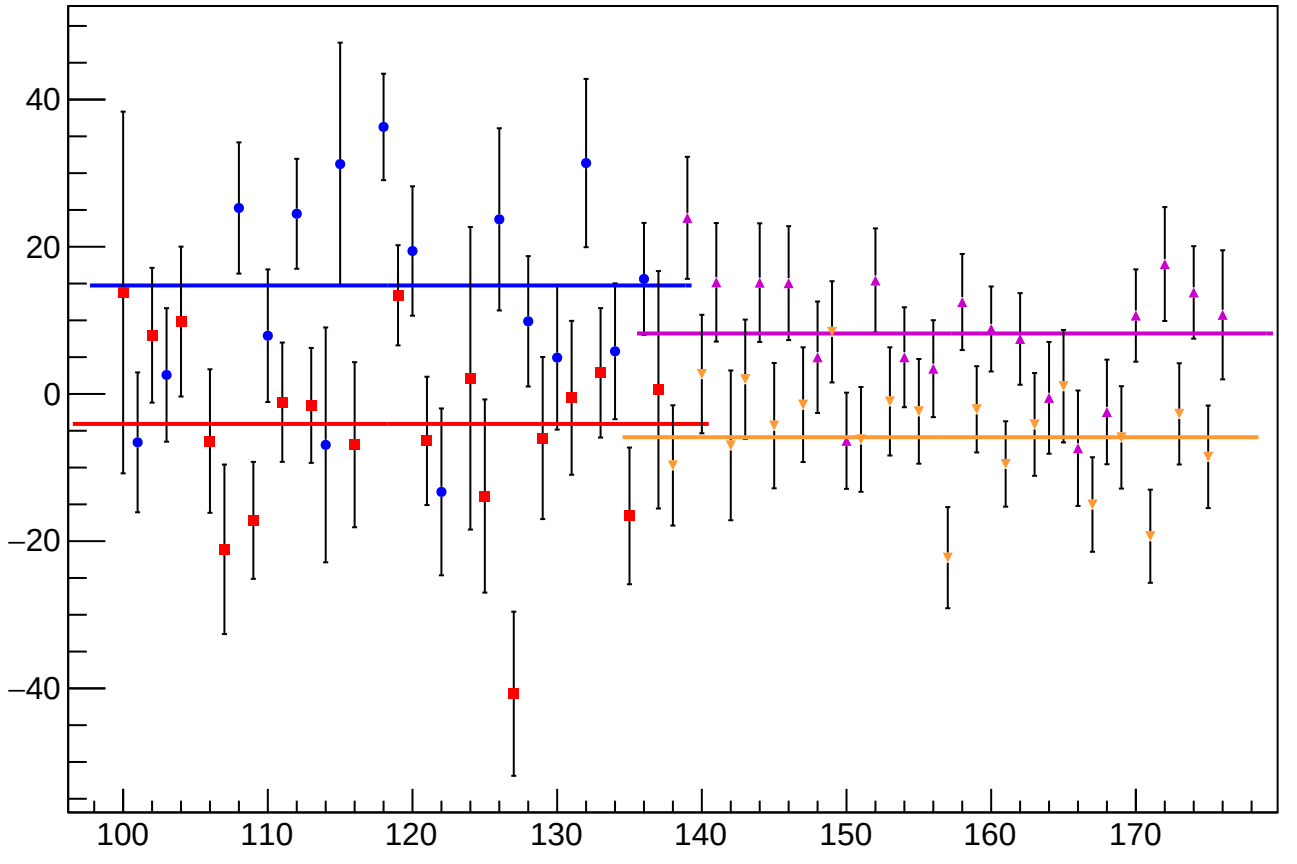
Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1771.275+/-0.321 χ^2/NDF:511338.4/18

+ sign 1799.498+/-0.269 χ^2/NDF: 1257584.0/35

All: 1813.788+/-0.191 χ^2/NDF: 2254160.8/73

- sign 1828.512+/-0.273 χ^2/NDF: 990828.5/37



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.879+/-1.593 χ^2/NDF:22.0/19

Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

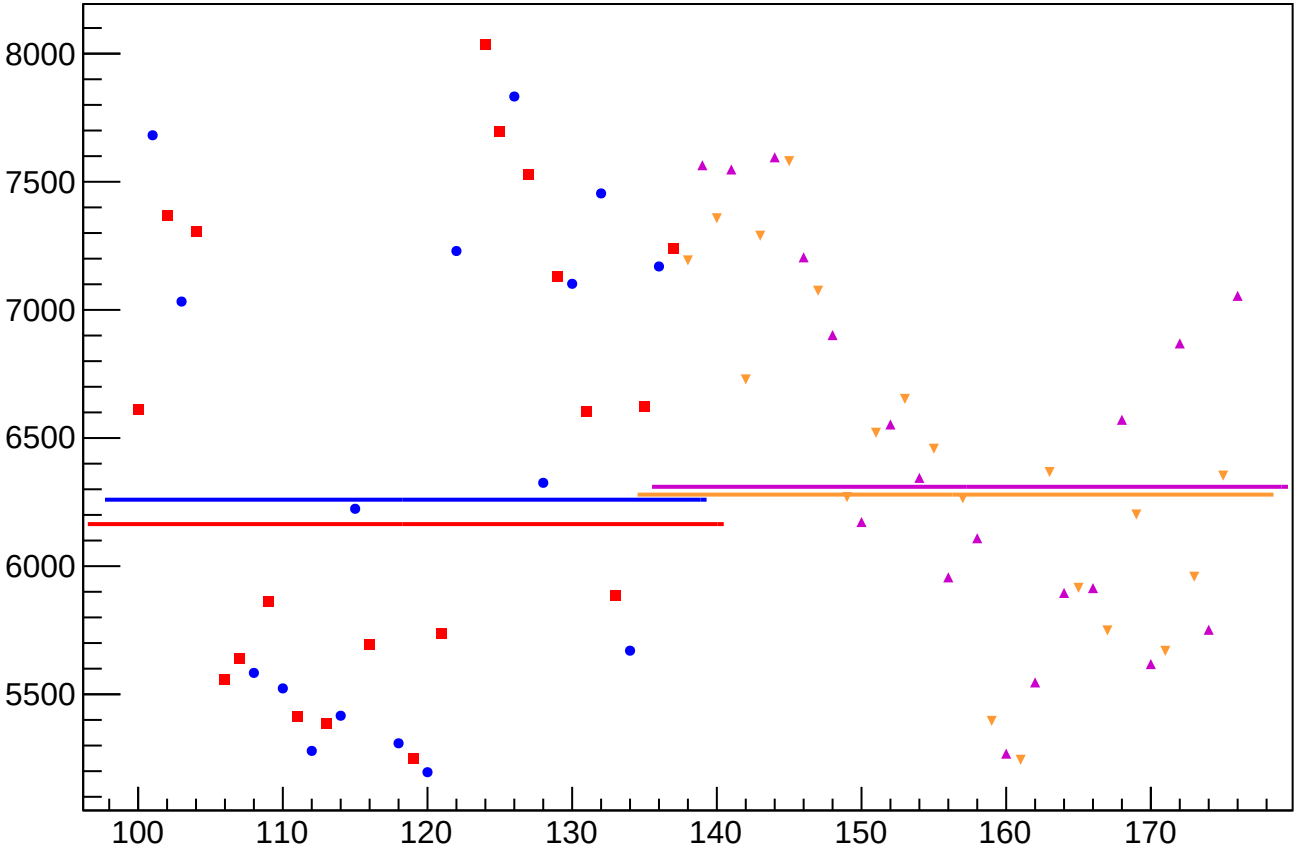
Left In: 8.217+/-1.621 χ^2/NDF:23.3/18

+ sign 0.584+/-1.320 χ^2/NDF: 108.0/35

All: 2.331+/-0.933 χ^2/NDF: 184.3/73

- sign 4.077+/-1.320 χ^2/NDF: 72.8/37

diff_bpm0l06X_rms vs Slug



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6279.227+/-1.126 χ^2/NDF:323135.2/19

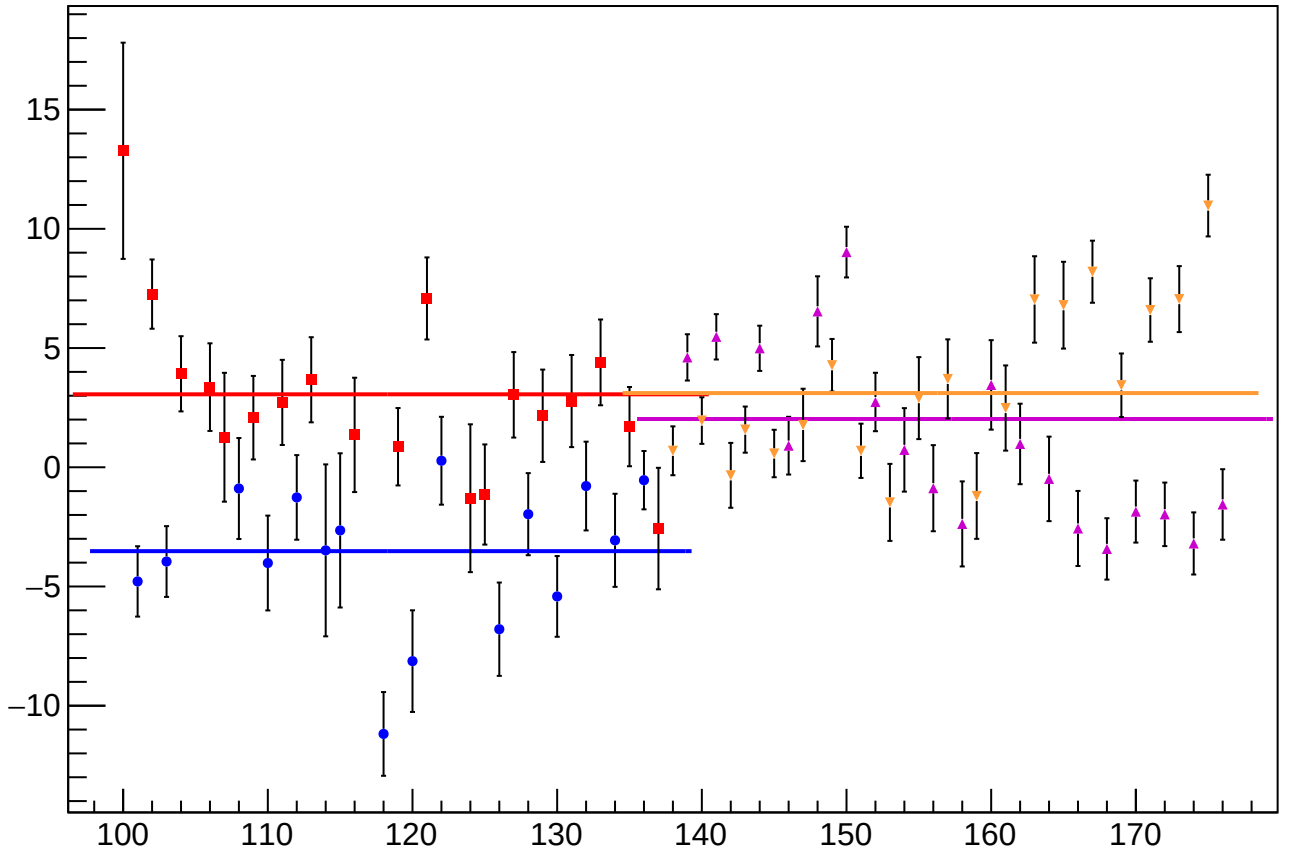
Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6309.722+/-1.146 χ^2/NDF:367856.9/18

+ sign 6273.018+/-0.933 χ^2/NDF: 631838.9/35

All: 6266.849+/-0.660 χ^2/NDF: 1270278.9/73

- sign 6260.683+/-0.933 χ^2/NDF: 638352.7/37



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.112+/-0.291 χ^2/NDF:118.9/19

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

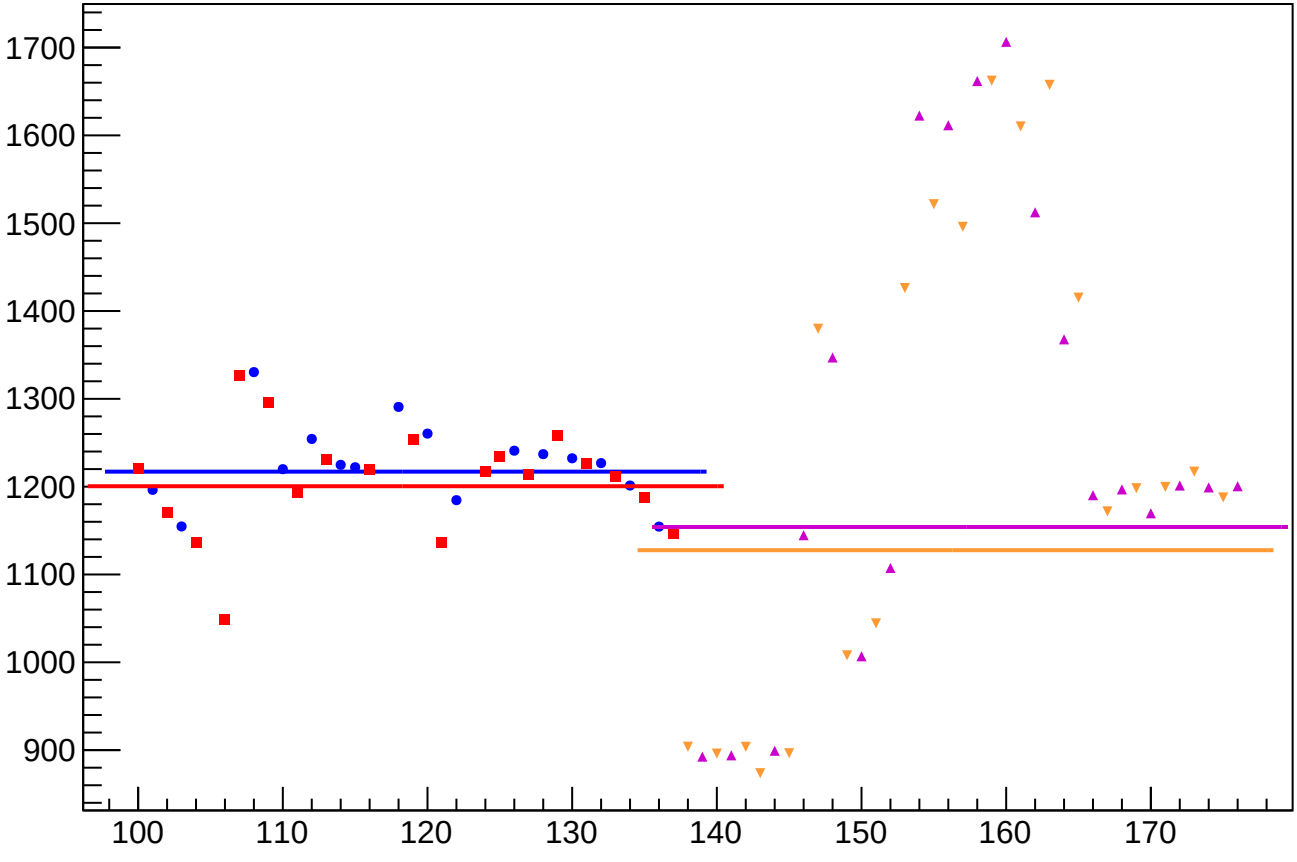
Left In: 2.024+/-0.300 χ^2/NDF:162.5/18

+ sign 1.171+/-0.245 χ^2/NDF: 315.9/35

All: 1.756+/-0.174 χ^2/NDF: 528.5/73

- sign 2.355+/-0.248 χ^2/NDF: 201.1/37

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1127.648+/-0.206 χ^2/NDF:1439213.8/19

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

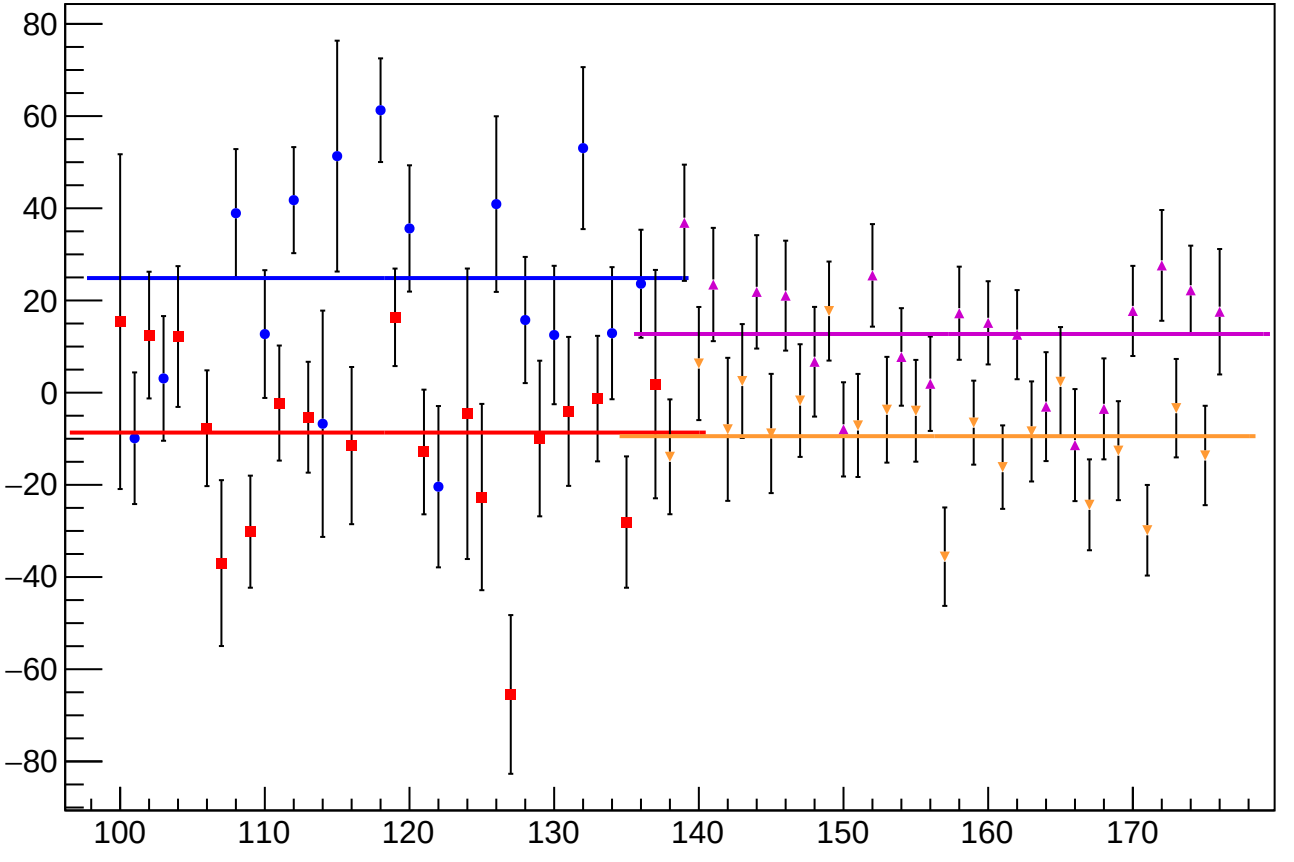
Left In: 1154.075+/-0.212 χ^2/NDF:1251967.9/18

+ sign 1153.840+/-0.173 χ^2/NDF: 1516186.6/35

All: 1161.282+/-0.123 χ^2/NDF: 2824815.5/73

- sign 1168.905+/-0.175 χ^2/NDF: 1304887.6/37

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.439+/-2.468 χ^2/NDF:24.8/19

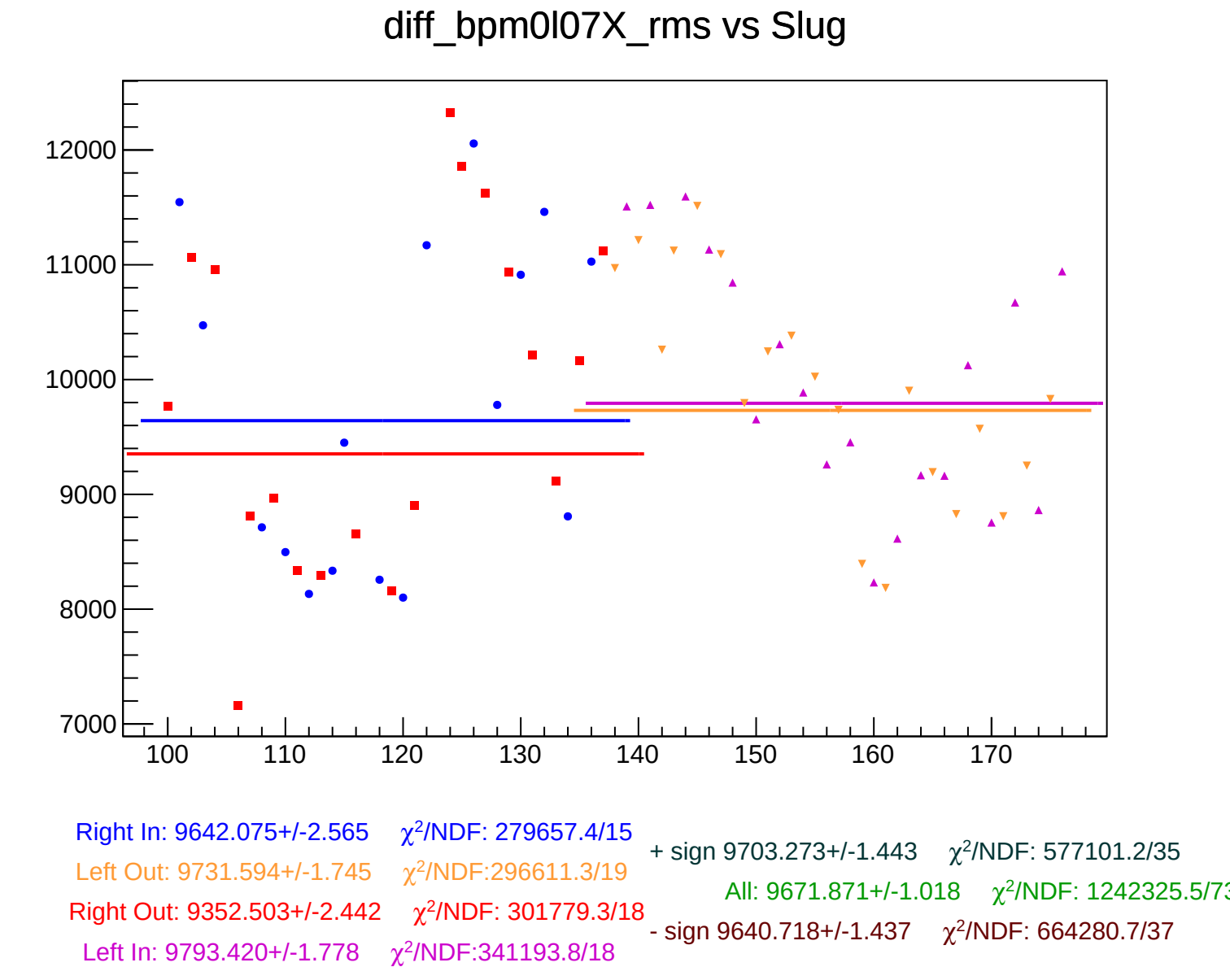
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

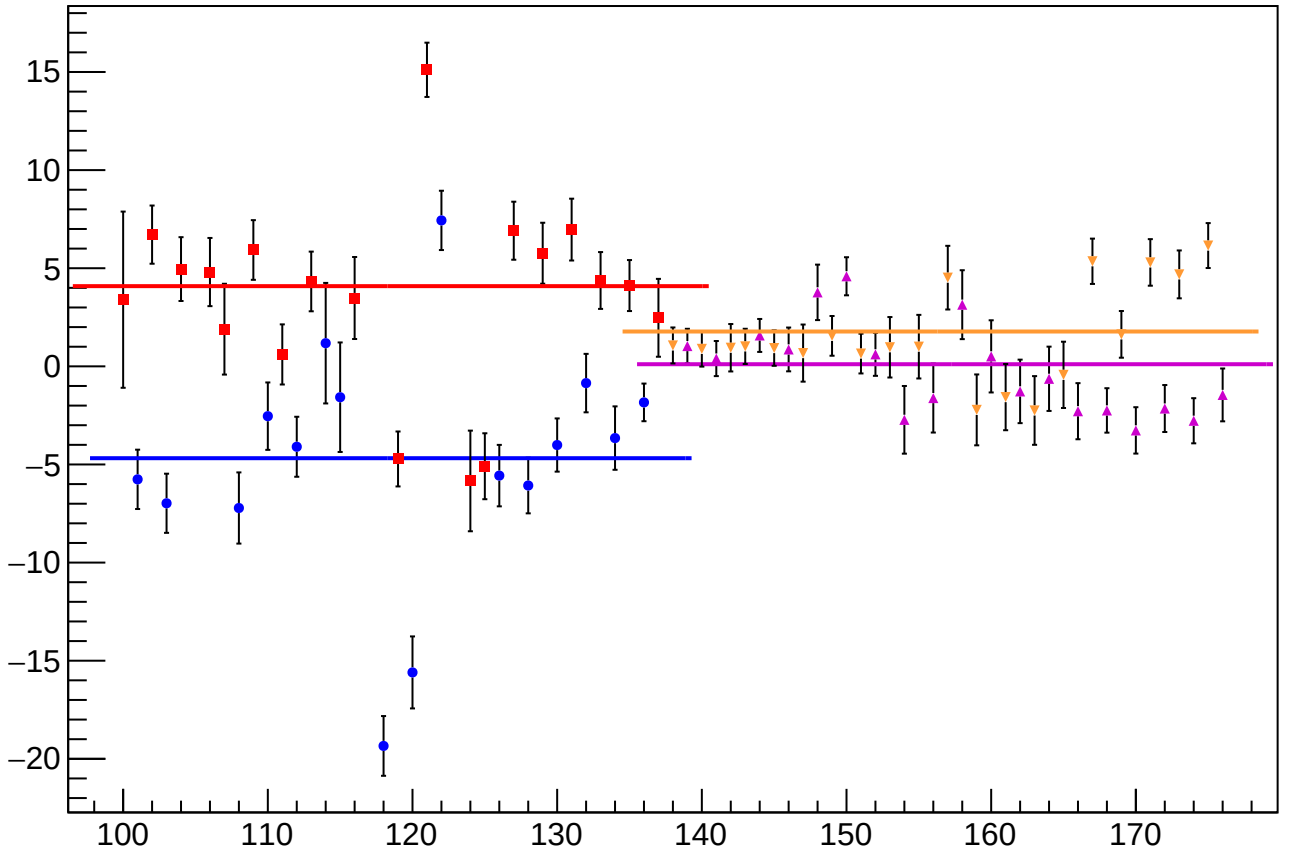
Left In: 12.727+/-2.514 χ^2/NDF:23.5/18

\+ sign 1.412+/-2.041 χ^2/NDF: 124.1/35

All: 3.374+/-1.440 χ^2/NDF: 204.7/73

\- sign 5.321+/-2.032 χ^2/NDF: 78.7/37


diff_bpm0l07X_rms vs Slug
12000
11000
10000
9000
8000
7000
100
110
120
130
140
150
160
170
Right In: 9642.075+/-2.565 χ²/NDF: 279657.4/15
Left Out: 9731.594+/-1.745 χ²/NDF:296611.3/19
Right Out: 9352.503+/-2.442 χ²/NDF: 301779.3/18
Left In: 9793.420+/-1.778 χ²/NDF:341193.8/18
+ sign 9703.273+/-1.443 χ²/NDF: 577101.2/35
All: 9671.871+/-1.018 χ²/NDF: 1242325.5/73
- sign 9640.718+/-1.437 χ²/NDF: 664280.7/37



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.775+/-0.266 χ^2/NDF:63.4/19

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

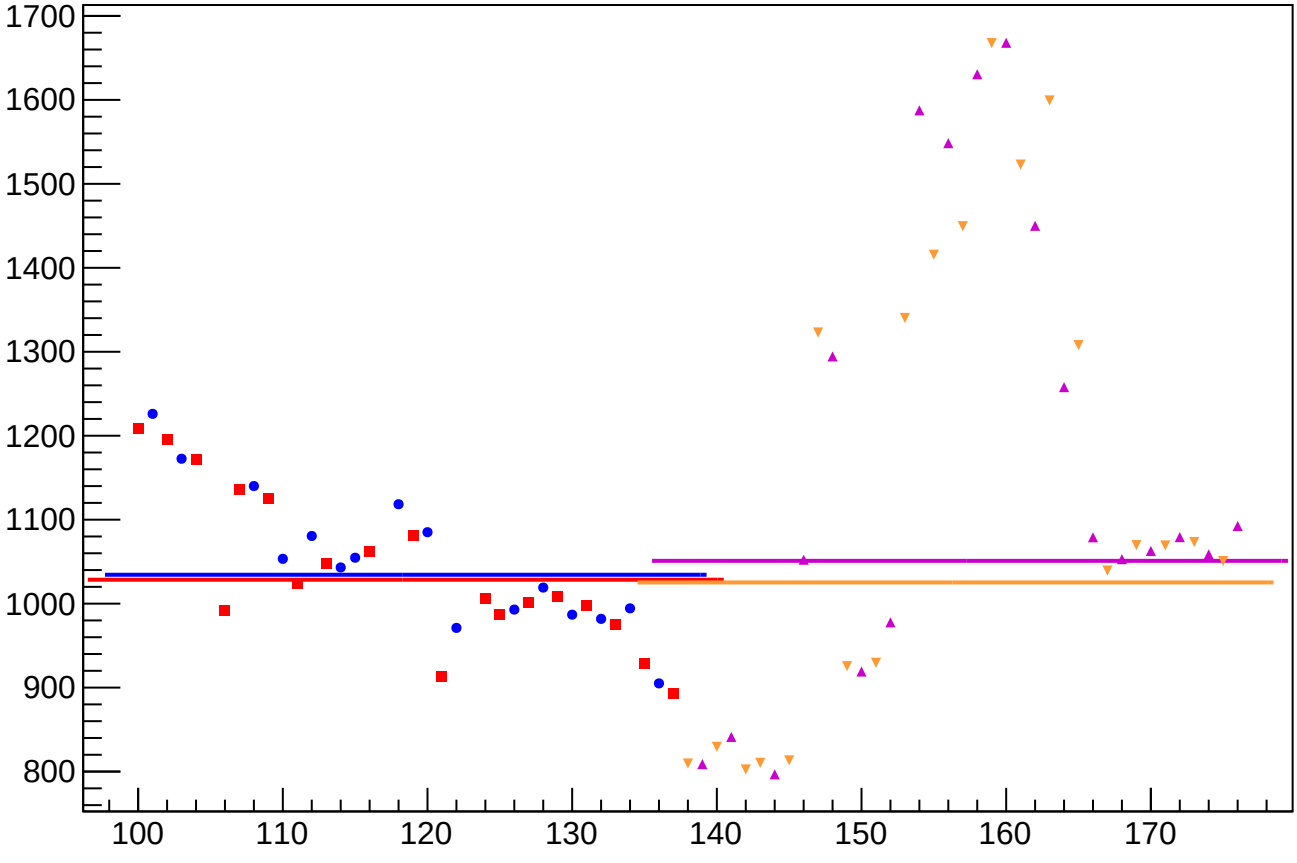
Left In: 0.108+/-0.275 χ^2/NDF:67.1/18

+ sign -0.307+/-0.219 χ^2/NDF: 474.3/35

All: 0.581+/-0.156 χ^2/NDF: 815.5/73

- sign 1.496+/-0.222 χ^2/NDF: 307.9/37

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1025.250+/-0.188 χ^2/NDF:1662892.9/19

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

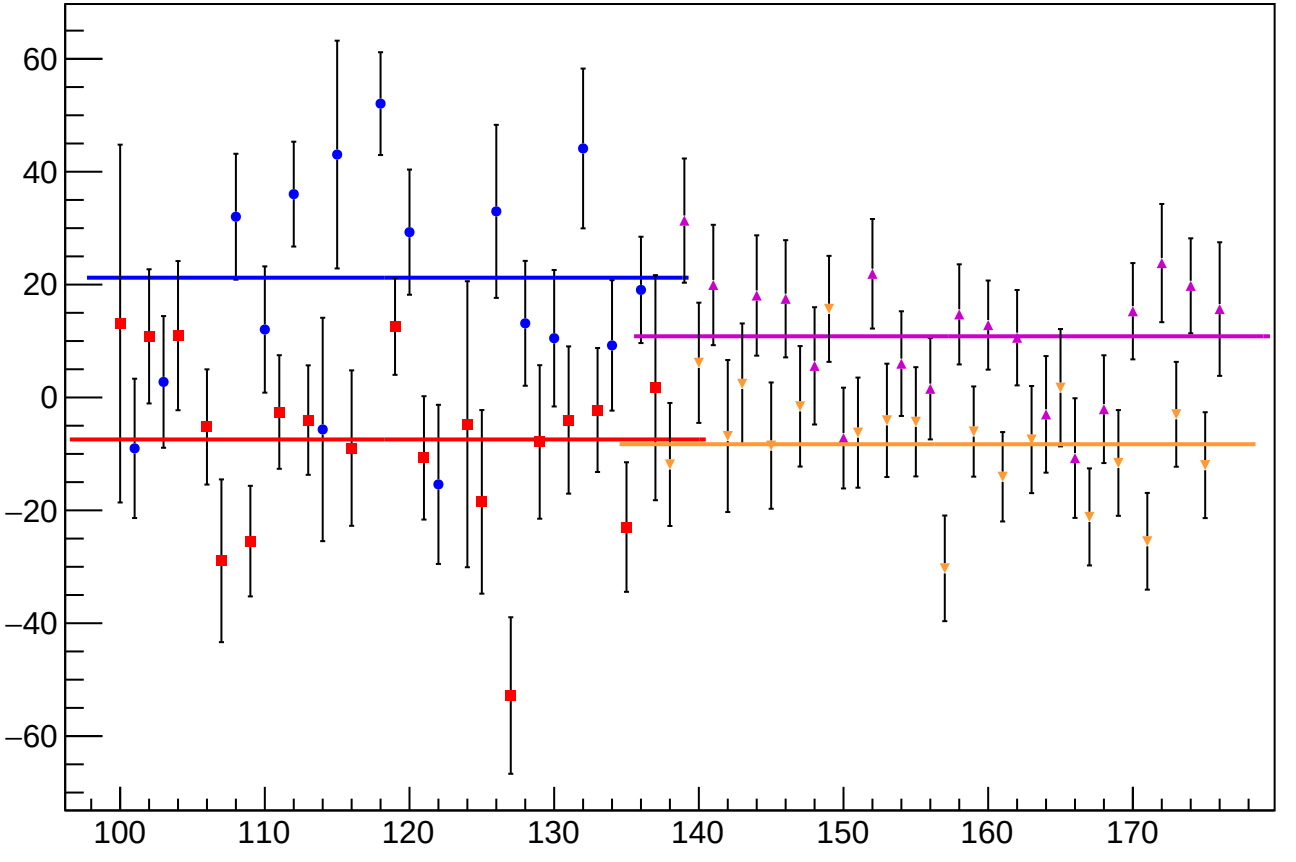
Left In: 1050.978+/-0.195 χ^2/NDF:1504865.4/18

+ sign 1028.202+/-0.155 χ^2/NDF: 1776934.1/35

All: 1035.565+/-0.110 χ^2/NDF: 3392652.1/73

- sign 1043.141+/-0.157 χ^2/NDF: 1611135.8/37

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.281+/-2.154 χ^2/NDF:24.2/19

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

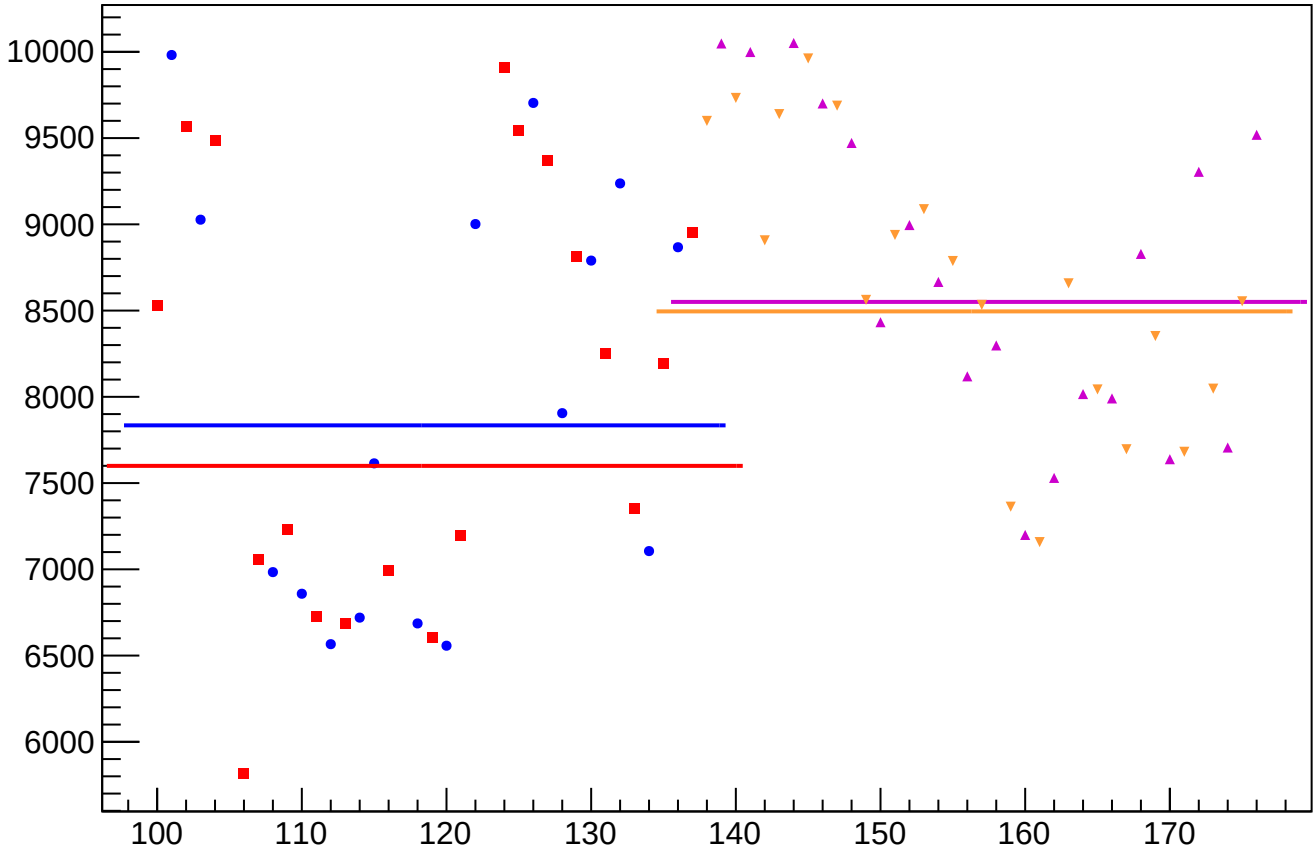
Left In: 10.841+/-2.194 χ^2/NDF:23.2/18

+ sign 1.971+/-1.740 χ^2/NDF: 129.5/35

All: 2.951+/-1.227 χ^2/NDF: 209.3/73

- sign 3.919+/-1.730 χ^2/NDF: 79.2/37

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8495.300+/-1.523 χ^2/NDF:286625.6/19

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

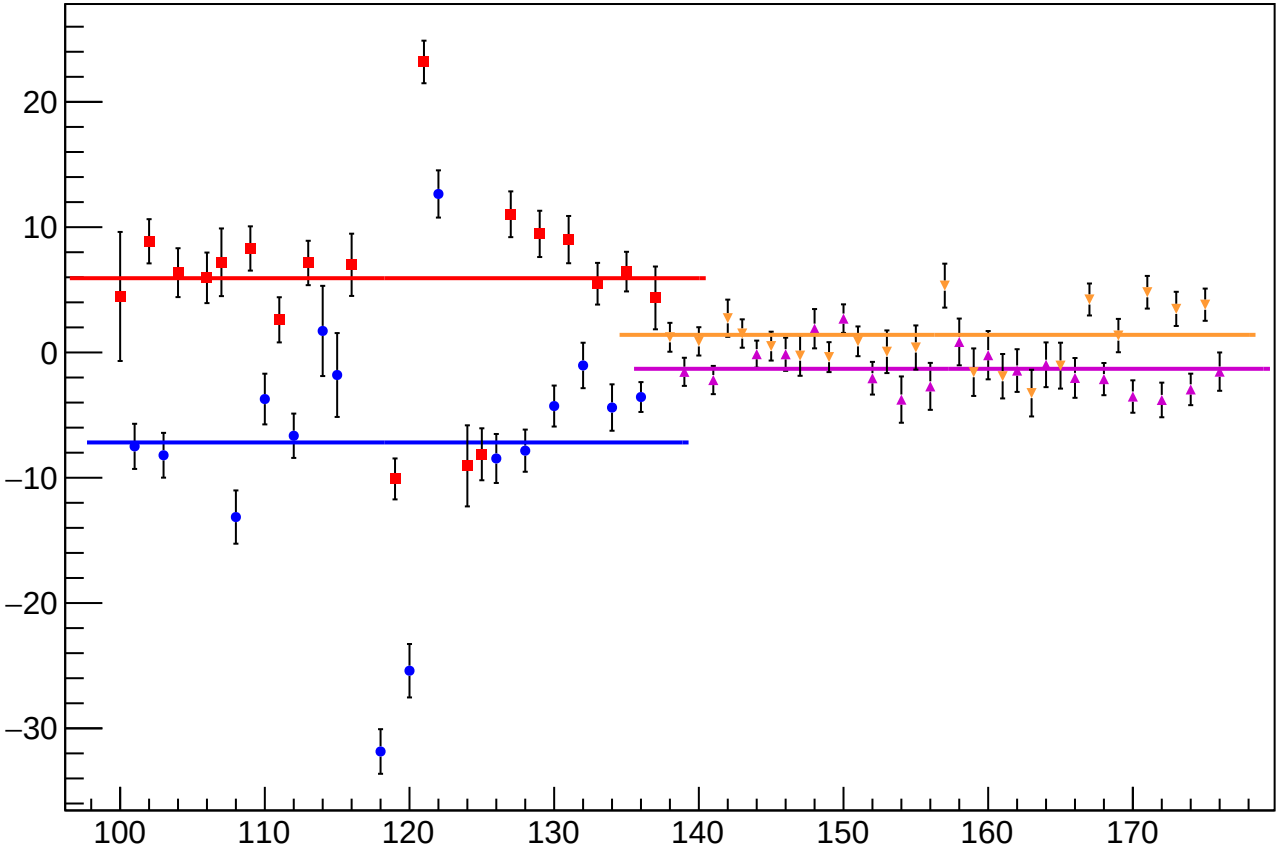
Left In: 8550.309+/-1.552 χ^2/NDF:332103.1/18

+ sign 8265.729+/-1.230 χ^2/NDF: 670094.3/35

All: 8227.782+/-0.867 χ^2/NDF: 1490537.7/73

- sign 8190.291+/-1.223 χ^2/NDF: 818552.4/37

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.406+/-0.310 χ^2/NDF:42.6/19

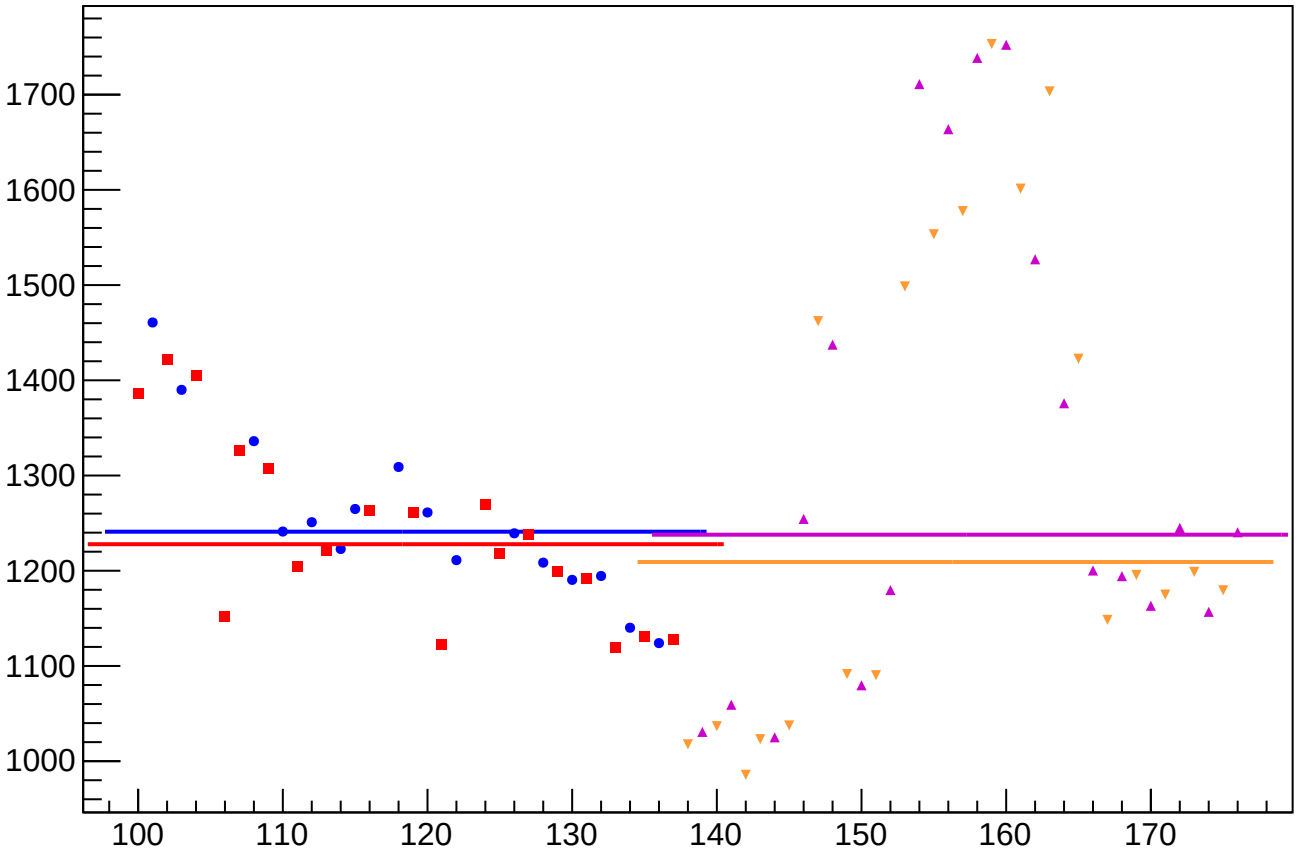
Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: -1.305+/-0.320 χ^2/NDF:32.0/18

+ sign -1.258+/-0.257 χ^2/NDF: 702.9/35

All: -0.078+/-0.183 χ^2/NDF: 1239.6/73

- sign 1.133+/-0.261 χ^2/NDF: 494.2/37



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1209.184+/-0.219 χ^2/NDF:994452.2/19

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

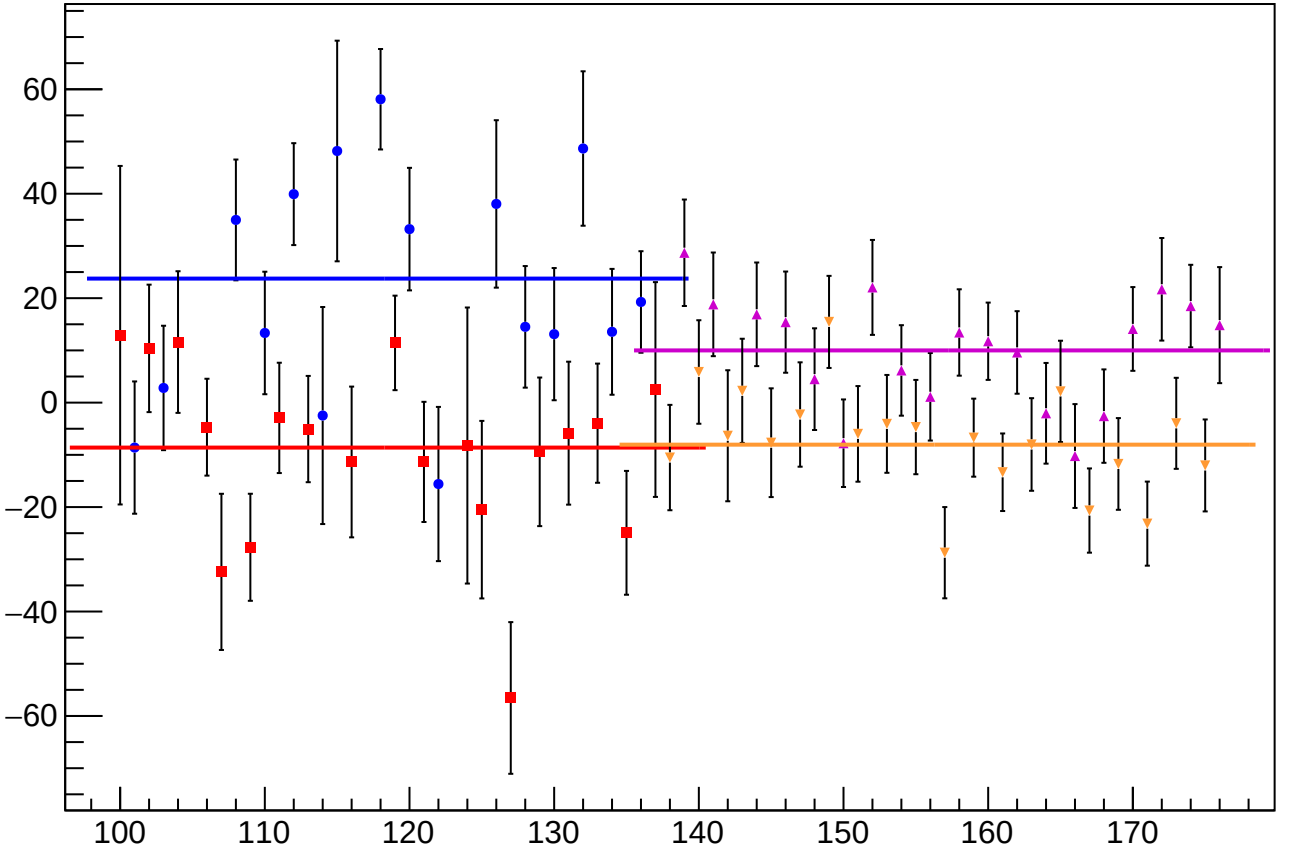
Left In: 1237.857+/-0.226 χ^2/NDF:879820.2/18

+ sign 1219.055+/-0.182 χ^2/NDF: 1081641.9/35

All: 1226.674+/-0.130 χ^2/NDF: 2048004.7/73

- sign 1234.489+/-0.184 χ^2/NDF: 962815.8/37

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -8.049+/-2.014 χ^2/NDF:24.8/19

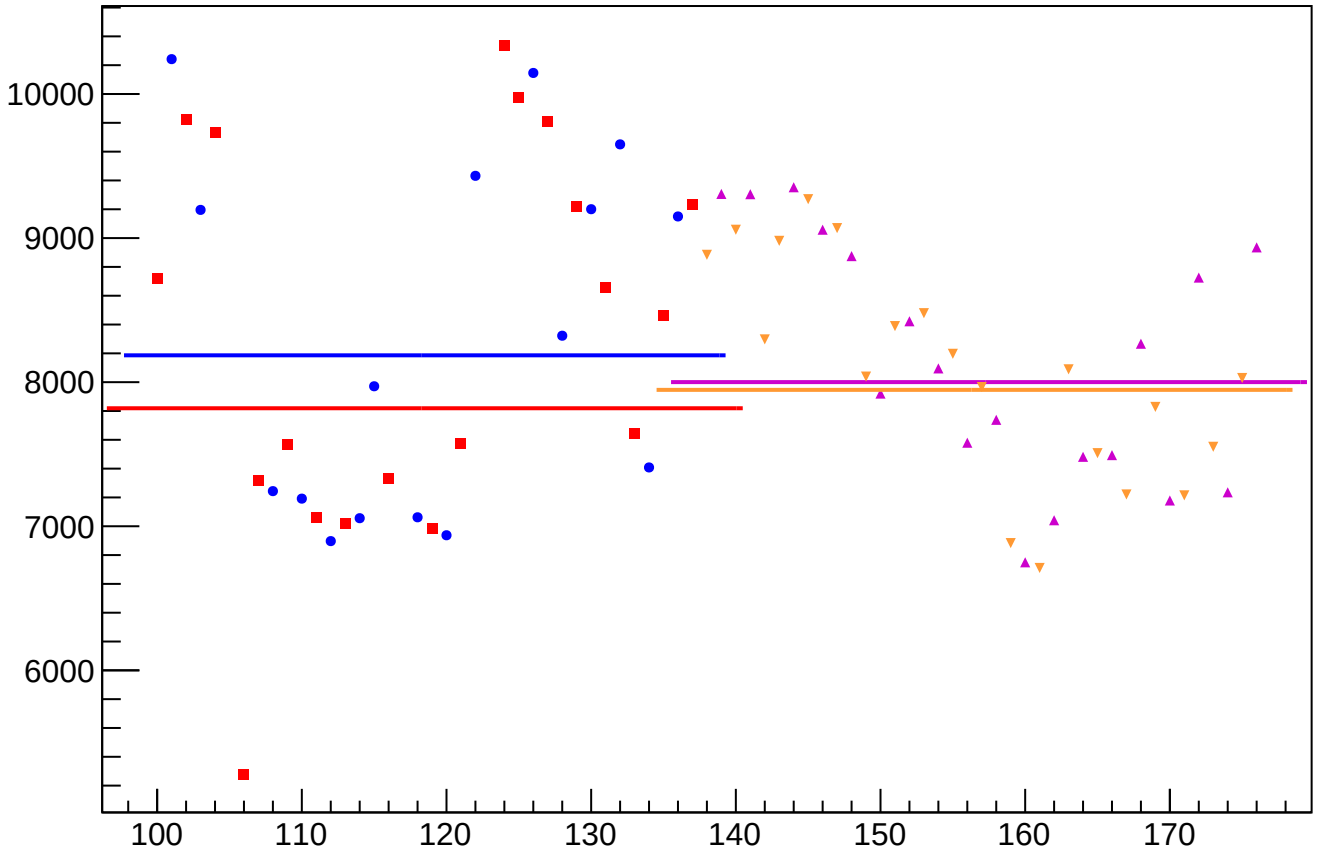
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 9.997+/-2.053 χ^2/NDF:23.8/18

+ sign 1.471+/-1.686 χ^2/NDF: 142.8/35

All: 2.635+/-1.188 χ^2/NDF: 225.4/73

- sign 3.784+/-1.675 χ^2/NDF: 81.7/37



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 7946.643+/-1.424 χ^2/NDF:273872.0/19

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

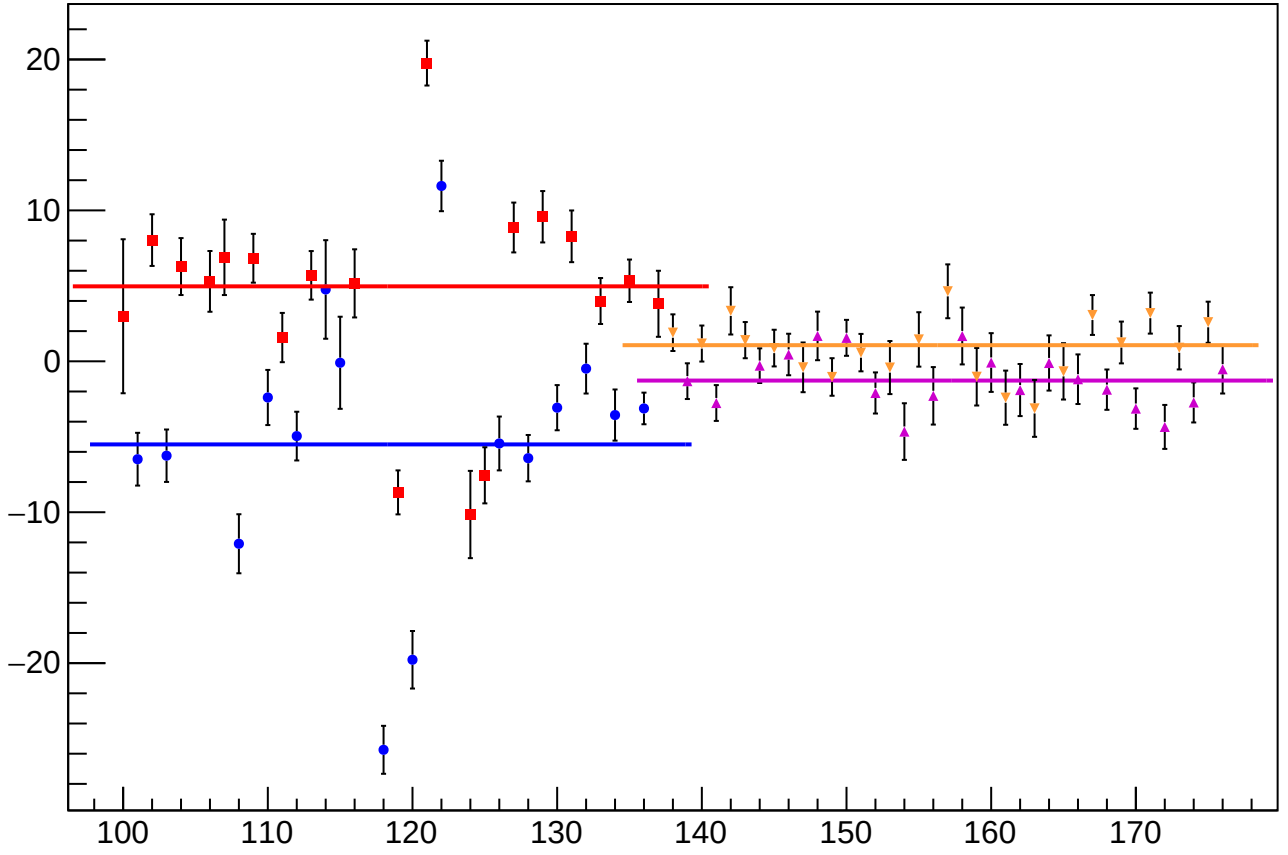
Left In: 8000.443+/-1.451 χ^2/NDF:320449.5/18

+ sign 8018.414+/-1.192 χ^2/NDF: 572980.9/35

All: 7978.876+/-0.840 χ^2/NDF: 1323834.5/73

- sign 7939.846+/-1.185 χ^2/NDF: 748668.1/37

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.069+/-0.323 χ^2/NDF:28.0/19

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

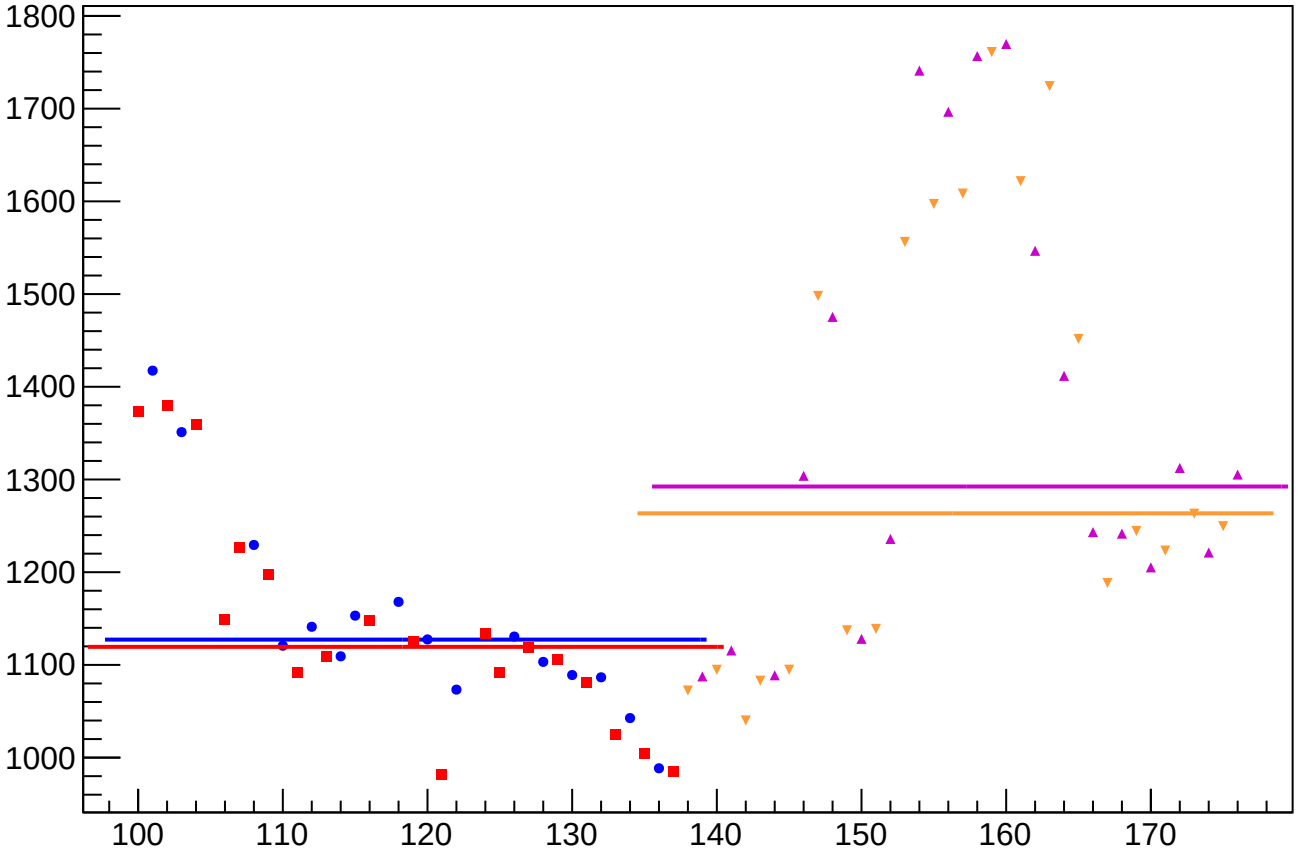
Left In: -1.276+/-0.333 χ^2/NDF:28.2/18

+ sign -1.368+/-0.256 χ^2/NDF: 551.4/35

All: -0.093+/-0.182 χ^2/NDF: 1056.3/73

- sign 1.207+/-0.259 χ^2/NDF: 454.9/37

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1263.495+/-0.228 χ^2/NDF:858712.1/19

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

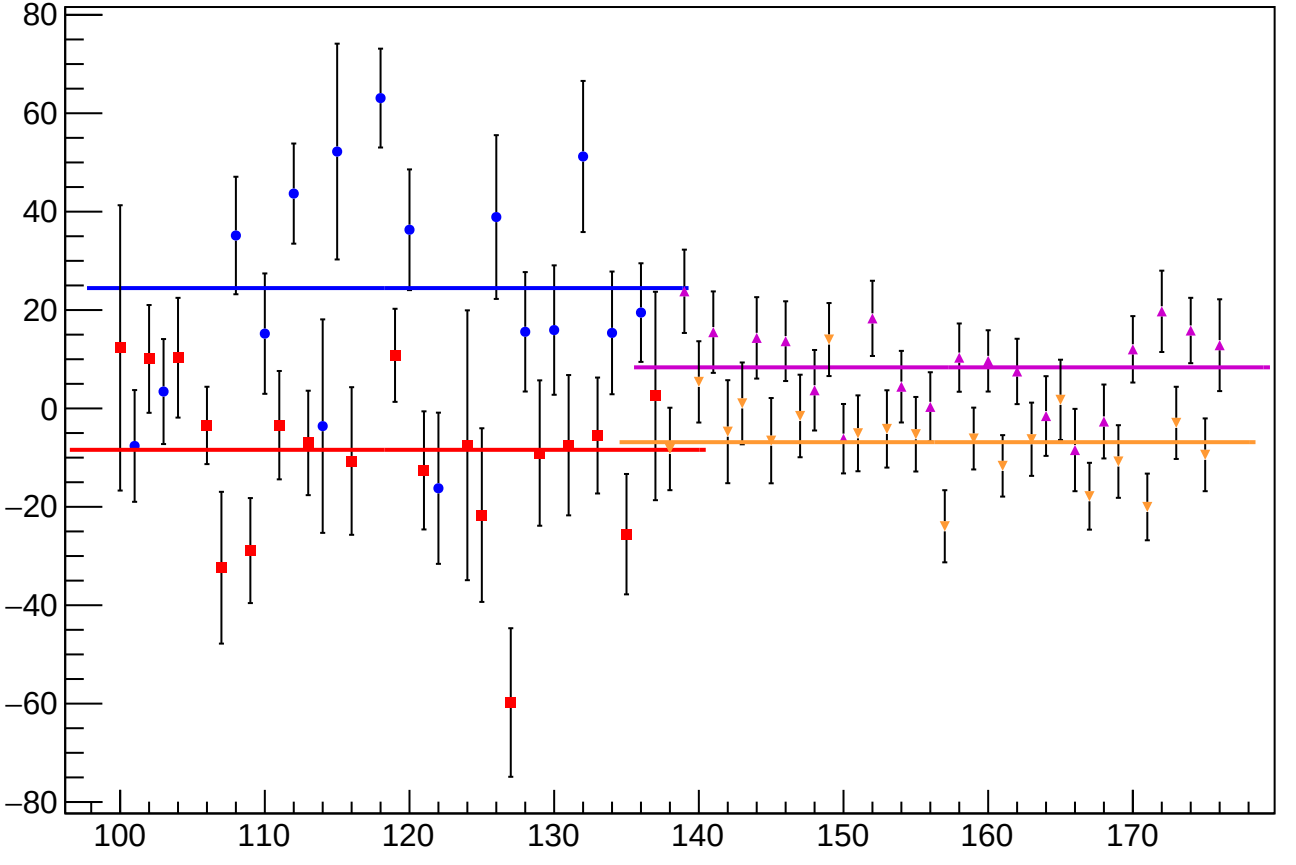
Left In: 1292.409+/-0.236 χ^2/NDF:752319.7/18

+ sign 1213.009+/-0.181 χ^2/NDF: 1131153.5/35

All: 1218.267+/-0.129 χ^2/NDF: 2239860.9/73

- sign 1223.629+/-0.183 χ^2/NDF: 1107006.6/37

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.857+/-1.691 χ^2/NDF:25.9/19

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

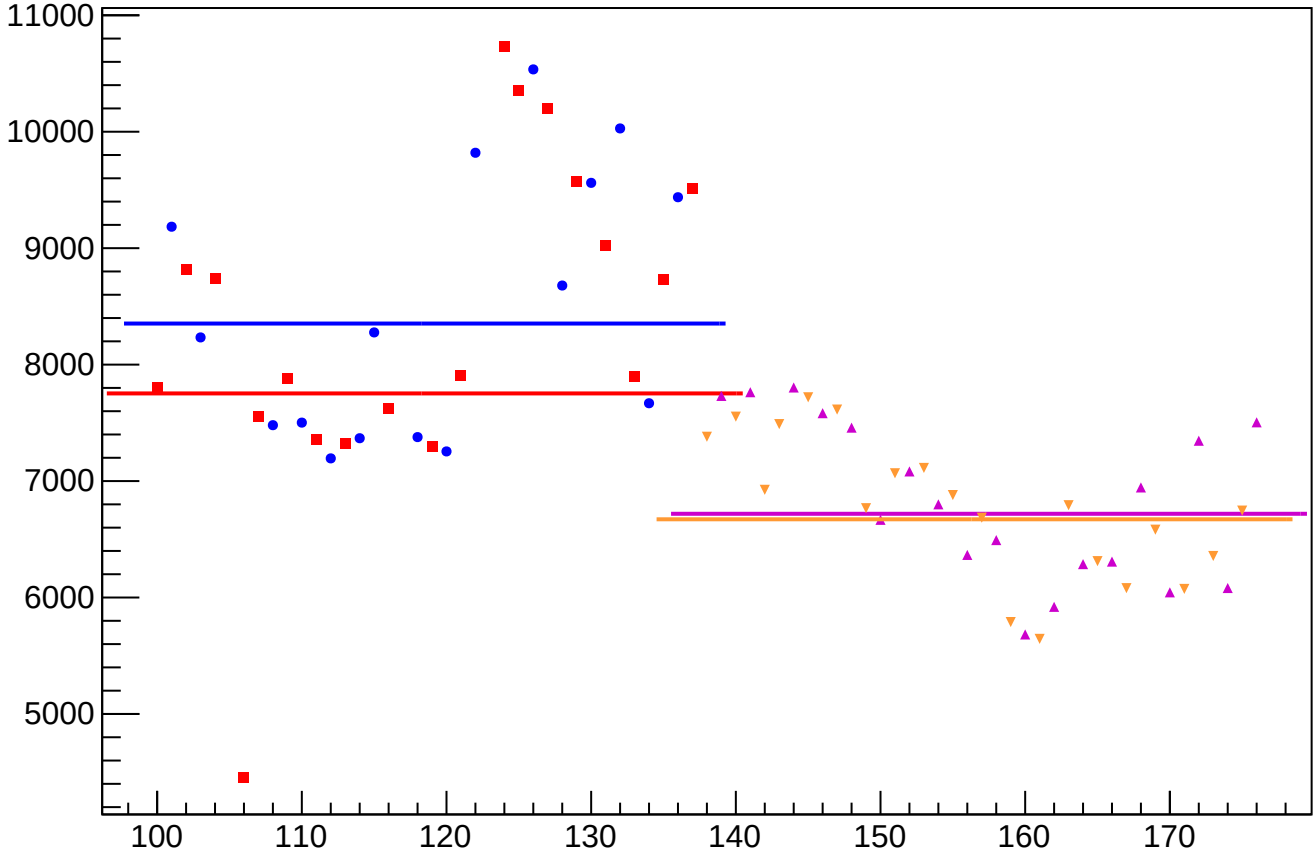
Left In: 8.353+/-1.723 χ^2/NDF:24.4/18

+ sign 0.195+/-1.488 χ^2/NDF: 151.5/35

All: 2.087+/-1.049 χ^2/NDF: 235.1/73

- sign 3.958+/-1.480 χ^2/NDF: 80.3/37

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6671.757+/-1.195 χ^2/NDF:258230.9/19

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

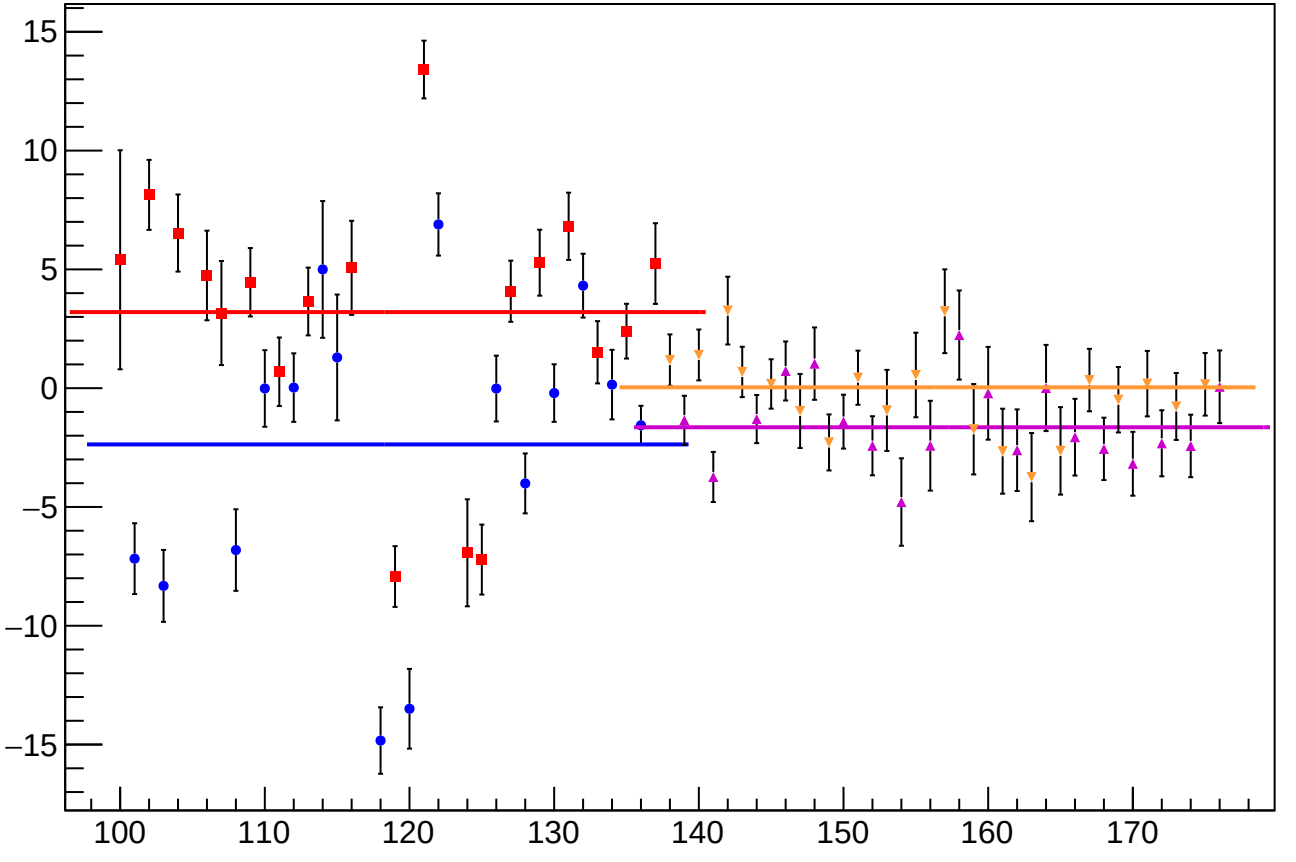
Left In: 6719.101+/-1.219 χ^2/NDF:306498.9/18

+ sign 7050.275+/-1.052 χ^2/NDF: 923866.9/35

All: 7020.014+/-0.742 χ^2/NDF: 2008702.3/73

- sign 6990.076+/-1.047 χ^2/NDF: 1083190.4/37

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.036+/-0.304 χ^2/NDF:26.3/19

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

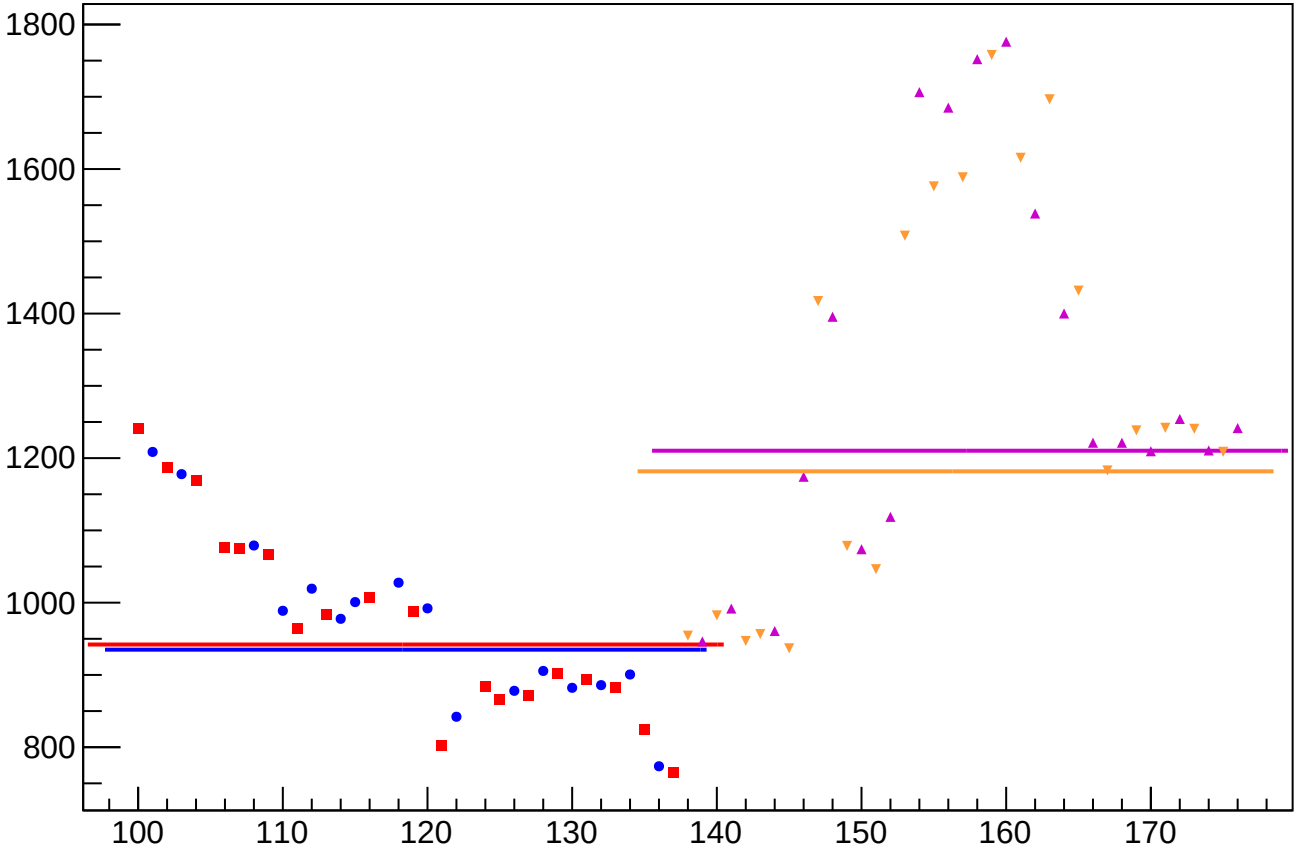
Left In: -1.645+/-0.314 χ^2/NDF:24.0/18

+ sign -0.997+/-0.230 χ^2/NDF: 308.7/35

All: -0.237+/-0.163 χ^2/NDF: 712.9/73

- sign 0.544+/-0.233 χ^2/NDF: 382.0/37

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1181.728+/-0.215 χ^2/NDF:1284235.2/19

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

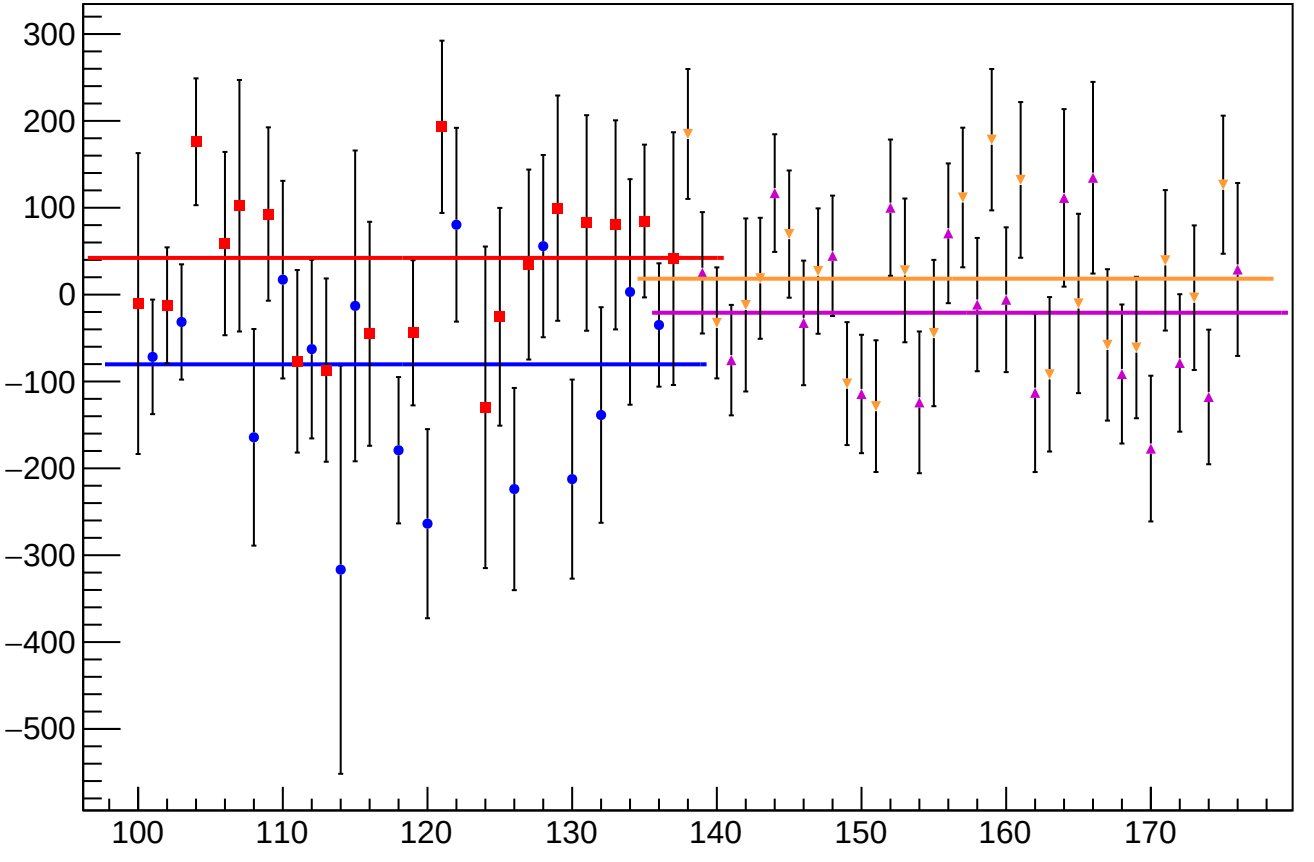
Left In: 1210.235+/-0.222 χ^2/NDF:1113956.8/18

+ sign 1075.696+/-0.162 χ^2/NDF: 2104056.2/35

All: 1082.345+/-0.116 χ^2/NDF: 4111291.6/73

- sign 1089.169+/-0.165 χ^2/NDF: 2003841.0/37

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 18.324+/-17.793 χ^2/NDF:25.6/19

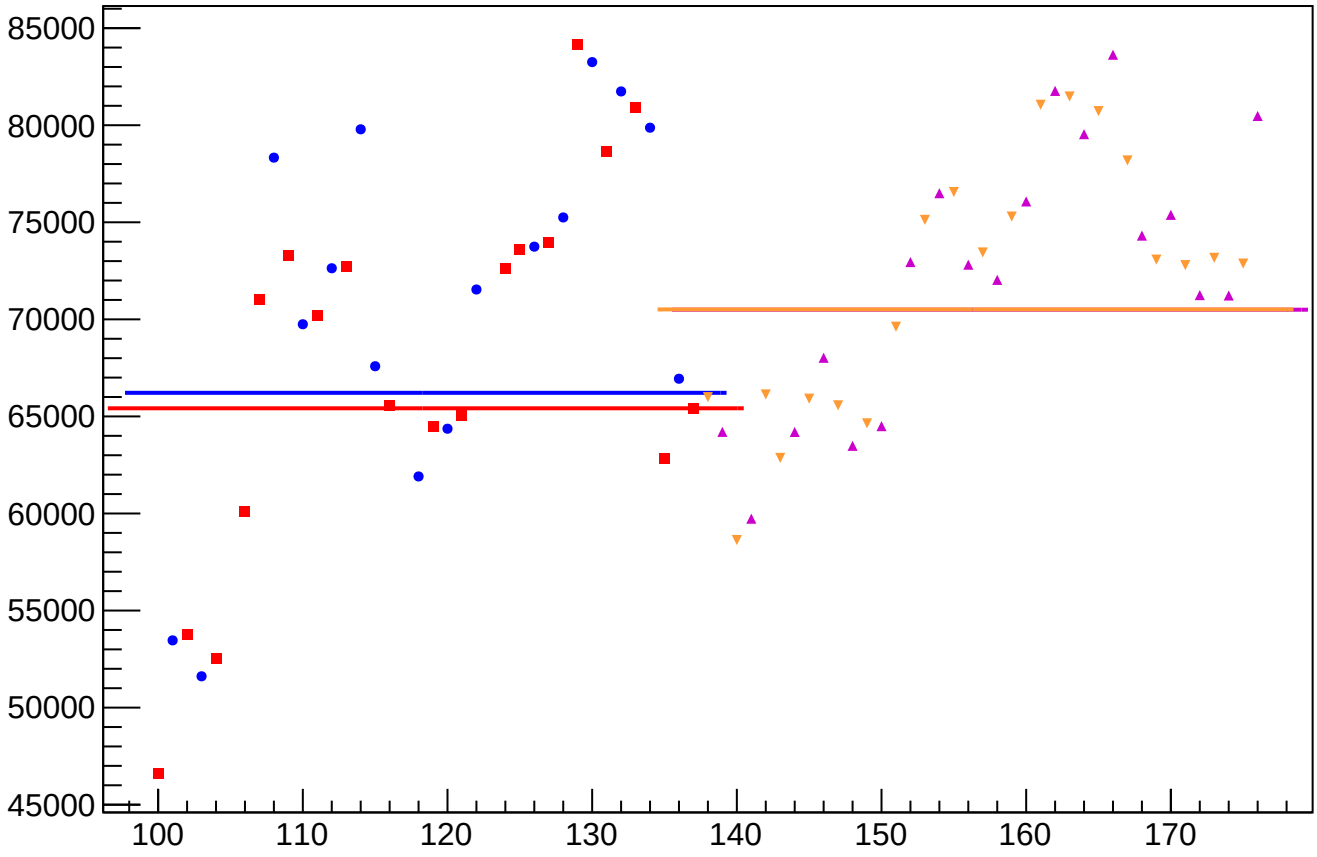
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -20.855+/-17.981 χ^2/NDF:24.7/18

+ sign -14.981+/-14.479 χ^2/NDF: 50.7/35

All: -6.626+/-10.218 χ^2/NDF: 93.5/73

- sign 1.664+/-14.421 χ^2/NDF: 42.1/37



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 70511.345+/-12.582 χ^2/NDF:262394.3/19

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

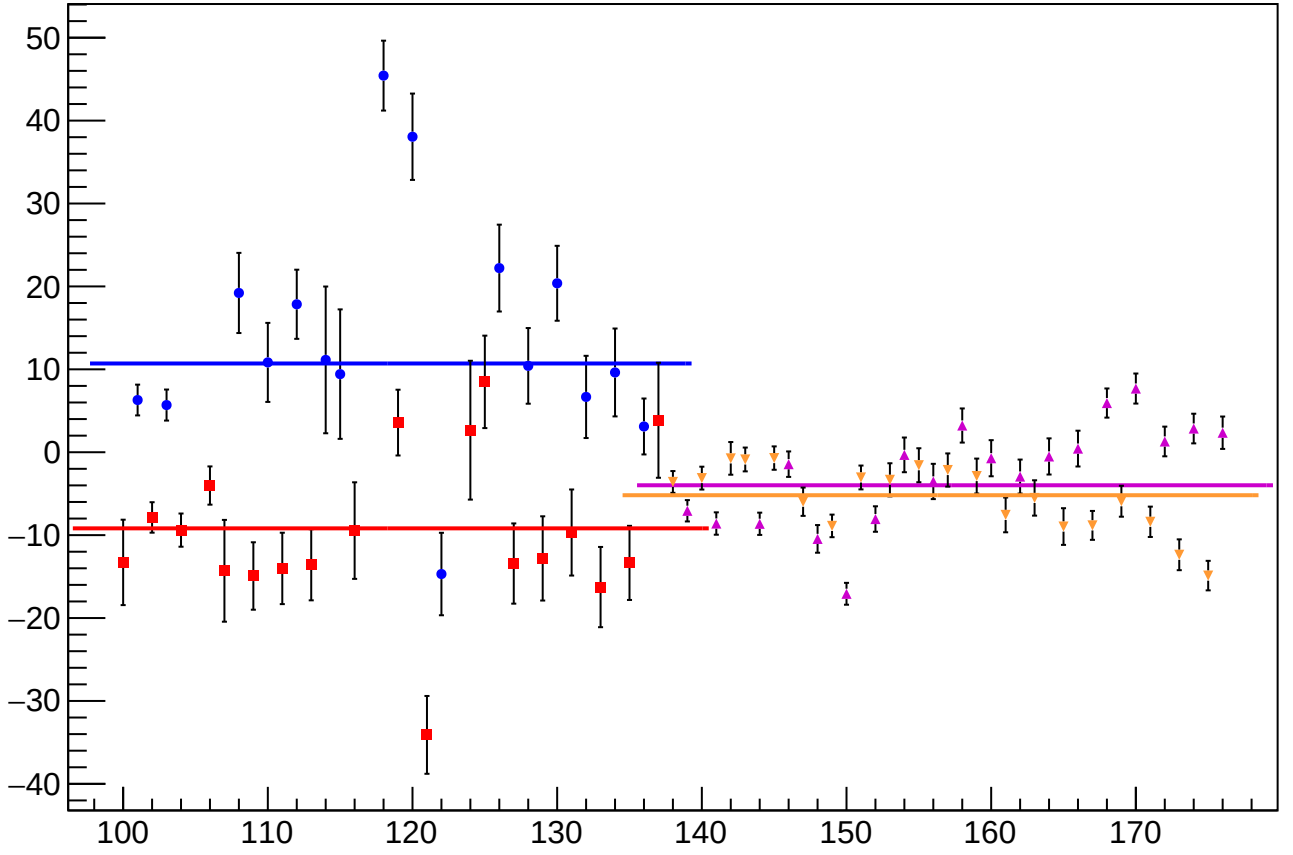
Left In: 70497.399+/-12.715 χ^2/NDF:259695.8/18

+ sign 69060.145+/-10.238 χ^2/NDF: 640148.7/35

All: 68872.048+/-7.225 χ^2/NDF: 1261997.1/7

- sign 68685.433+/-10.198 χ^2/NDF: 621176.0/37

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -5.185+/-0.382 χ^2/NDF:101.6/19

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

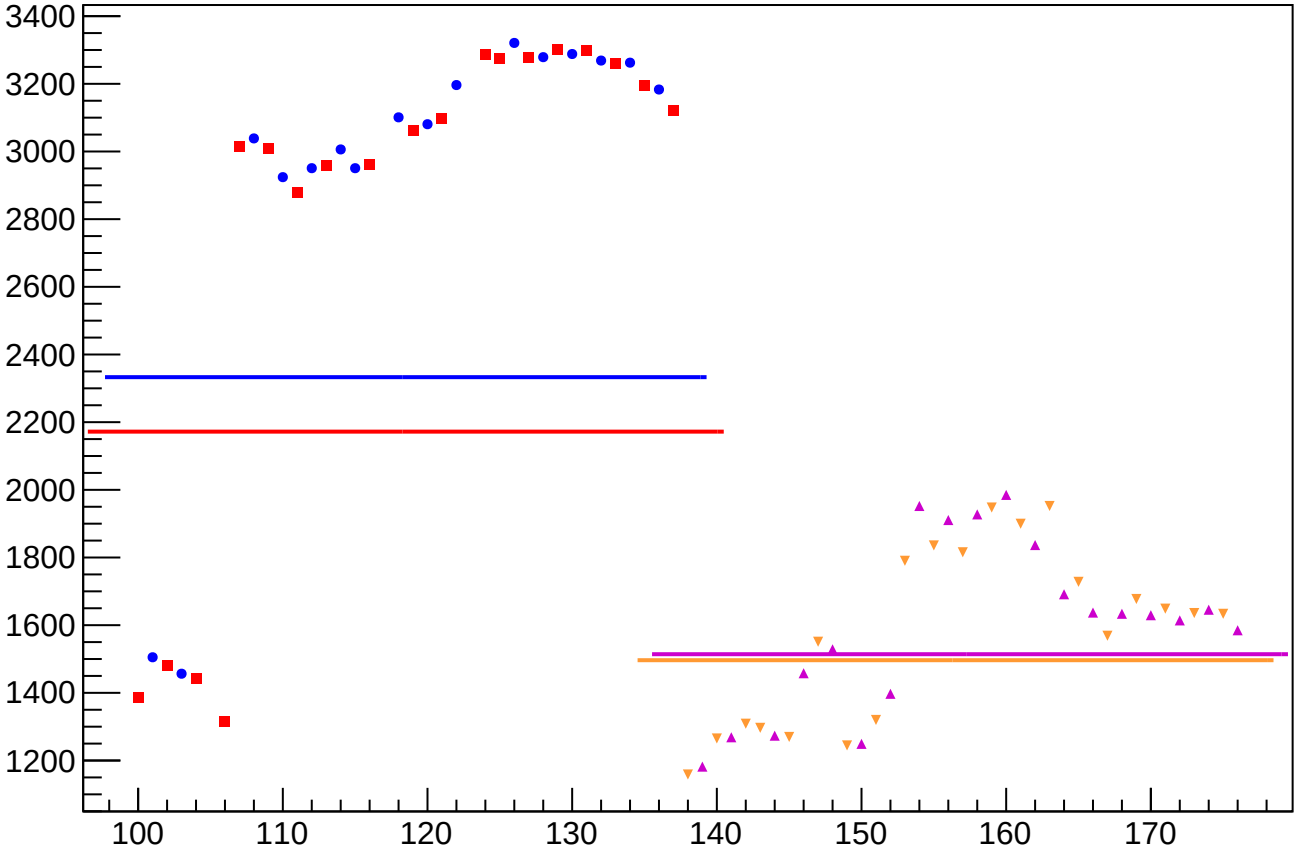
Left In: -3.985+/-0.390 χ^2/NDF:284.4/18

+ sign -2.851+/-0.353 χ^2/NDF: 511.3/35

All: -3.865+/-0.250 χ^2/NDF: 912.7/73

- sign -4.890+/-0.355 χ^2/NDF: 384.8/37

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1496.465+/-0.270 χ^2/NDF:885151.7/19

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

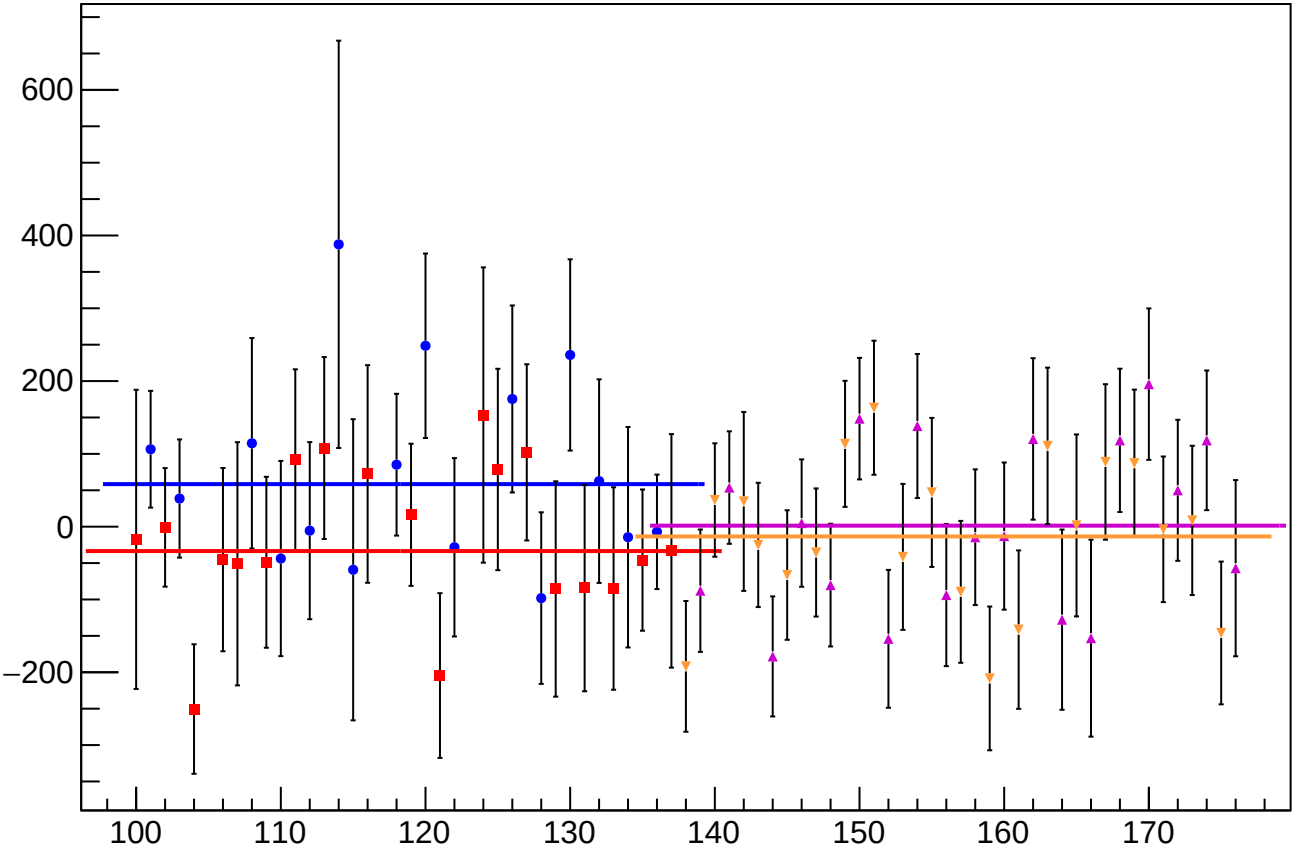
Left In: 1514.219+/-0.276 χ^2/NDF:796334.6/18

+ sign 1619.354+/-0.249 χ^2/NDF: 3945607.5/35

All: 1624.038+/-0.177 χ^2/NDF: 7715804.9/73

- sign 1628.773+/-0.251 χ^2/NDF: 3769488.6/37

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -13.422+/-21.710 χ^2/NDF:22.3/19

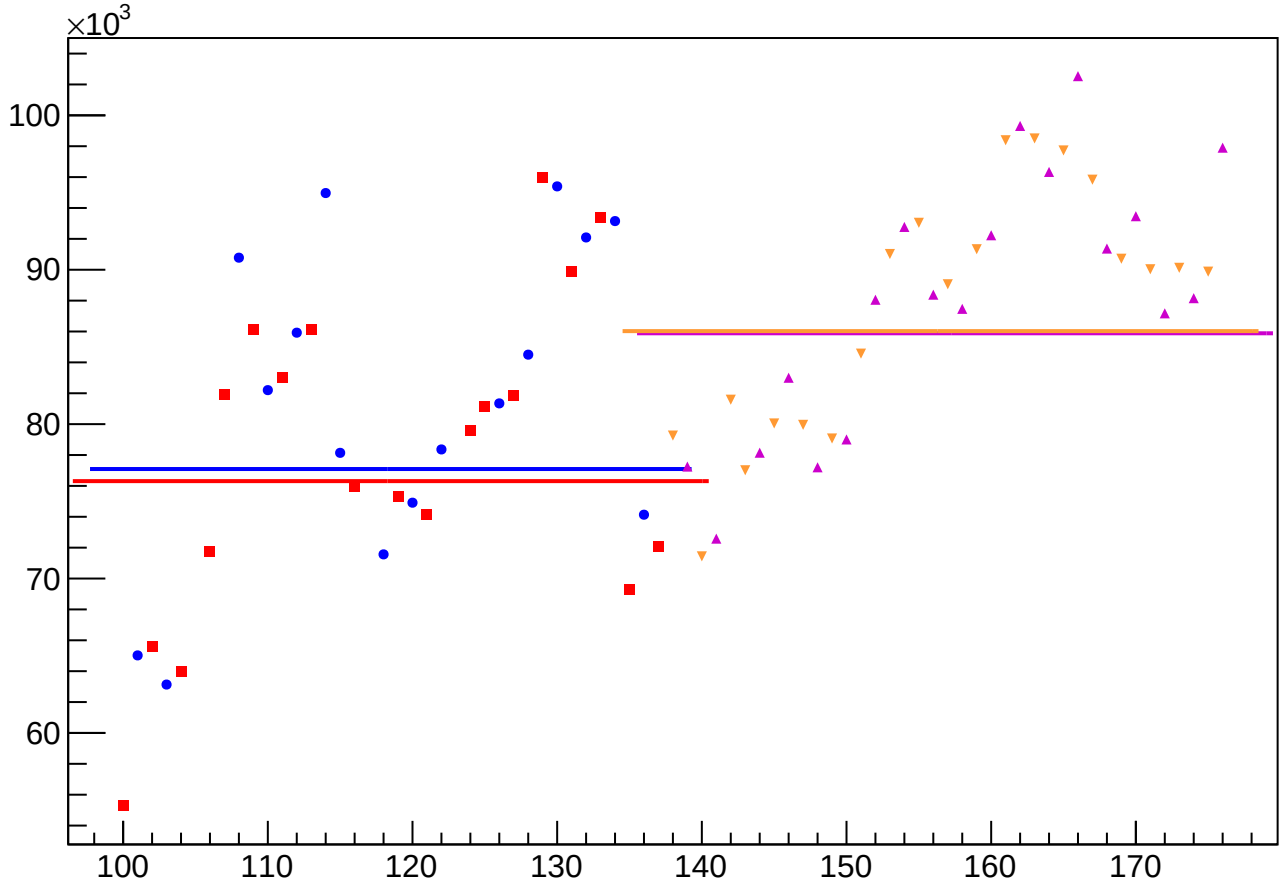
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 1.401+/-21.911 χ^2/NDF:26.4/18

+ sign 12.485+/-17.362 χ^2/NDF: 37.5/35

All: 0.285+/-12.248 χ^2/NDF: 80.6/73

- sign -11.800+/-17.280 χ^2/NDF: 42.1/37



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 86024.160+/-15.352 χ^2/NDF:261429.0/19

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

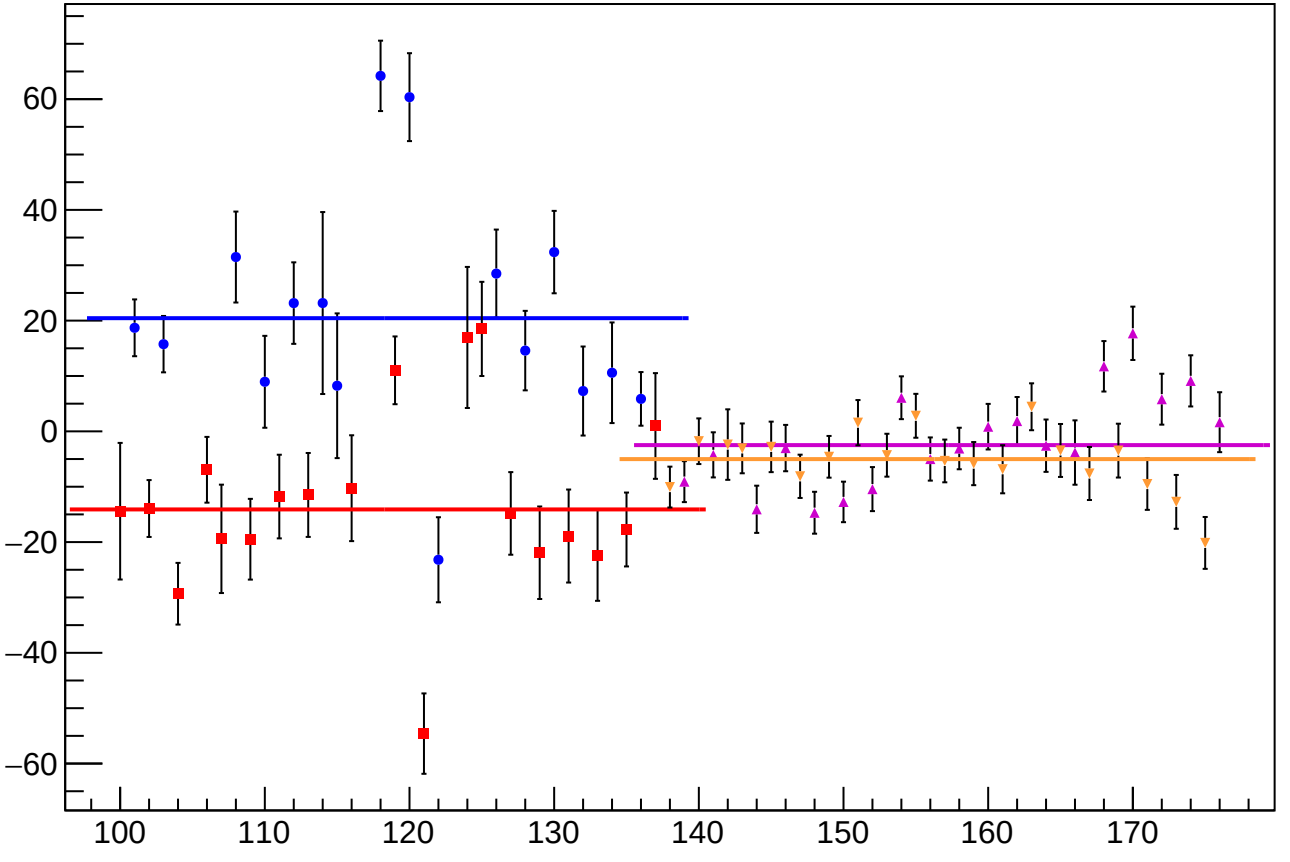
Left In: 85884.145+/-15.494 χ^2/NDF:267334.1/18

+ sign 82804.763+/-12.277 χ^2/NDF: 631974.0/35

All: 82533.299+/-8.661 χ^2/NDF: 1279103.6/7

- sign 82264.380+/-12.219 χ^2/NDF: 646156.3/37

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.013+/-0.960 χ^2/NDF:29.8/19

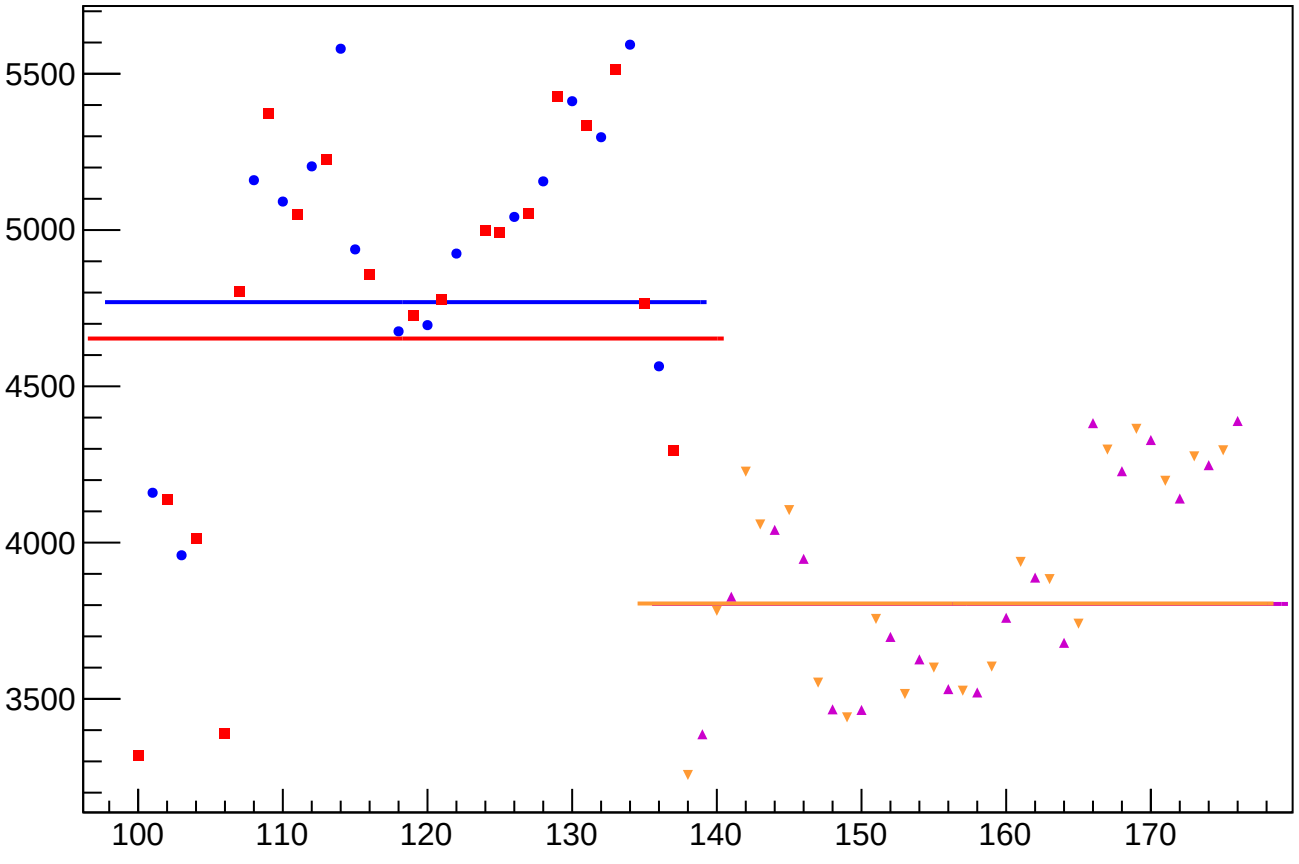
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -2.485+/-0.970 χ^2/NDF:77.6/18

+ sign 0.711+/-0.845 χ^2/NDF: 315.8/35

All: -2.300+/-0.597 χ^2/NDF: 537.3/73

- sign -5.304+/-0.844 χ^2/NDF: 196.1/37



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3805.125+/-0.679 χ^2/NDF:232995.1/19

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

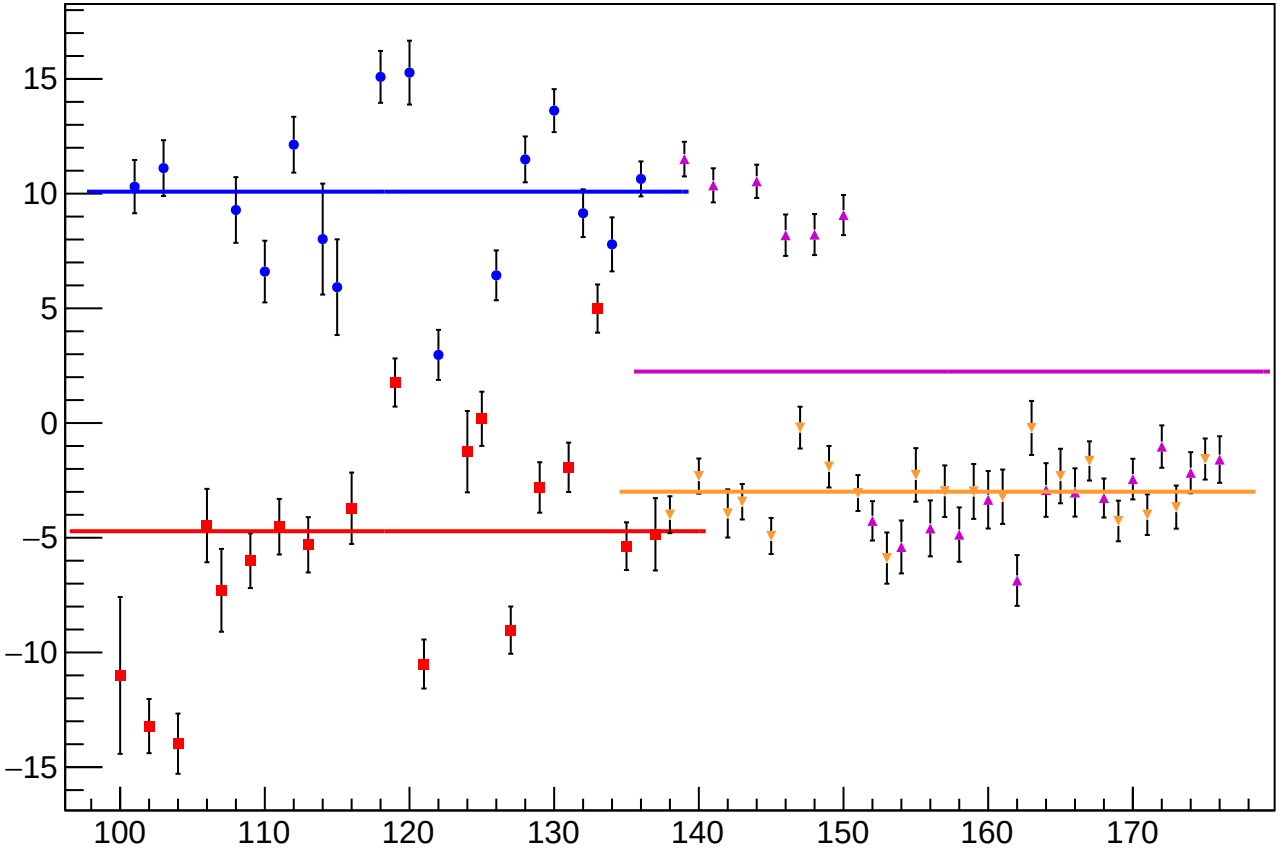
Left In: 3803.761+/-0.686 χ^2/NDF:209749.6/18

+ sign 4021.930+/-0.597 χ^2/NDF: 838617.6/35

All: 4015.874+/-0.422 χ^2/NDF: 1685642.4/73

- sign 4009.829+/-0.597 χ^2/NDF: 846819.6/37

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.993+/-0.209 χ^2/NDF:42.2/19

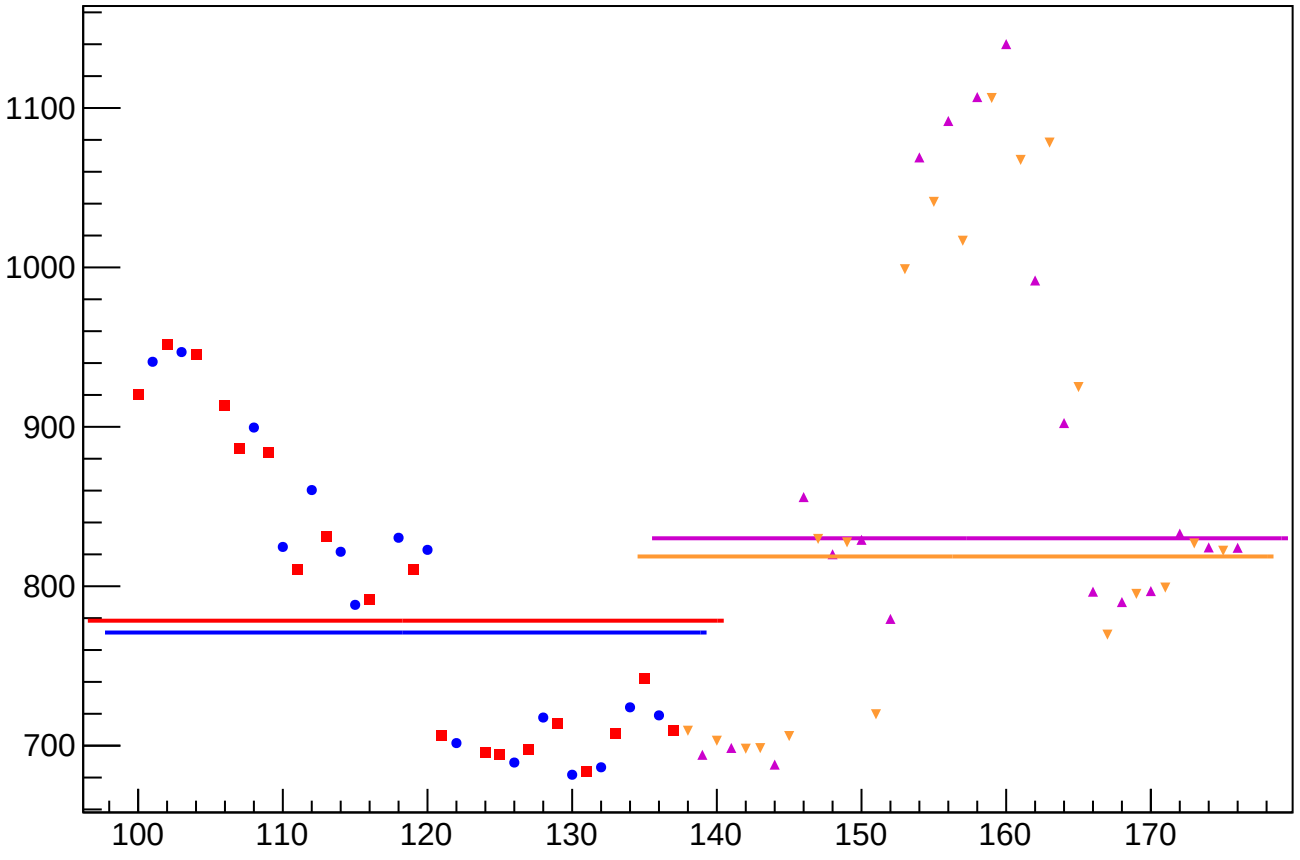
Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: 2.244+/-0.214 χ^2/NDF:971.8/18

+ sign 1.502+/-0.169 χ^2/NDF: 1516.2/35

All: 0.636+/-0.120 χ^2/NDF: 3231.7/73

- sign -0.253+/-0.171 χ^2/NDF: 1662.3/37



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 818.679+/-0.148 χ^2/NDF:743390.7/19

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

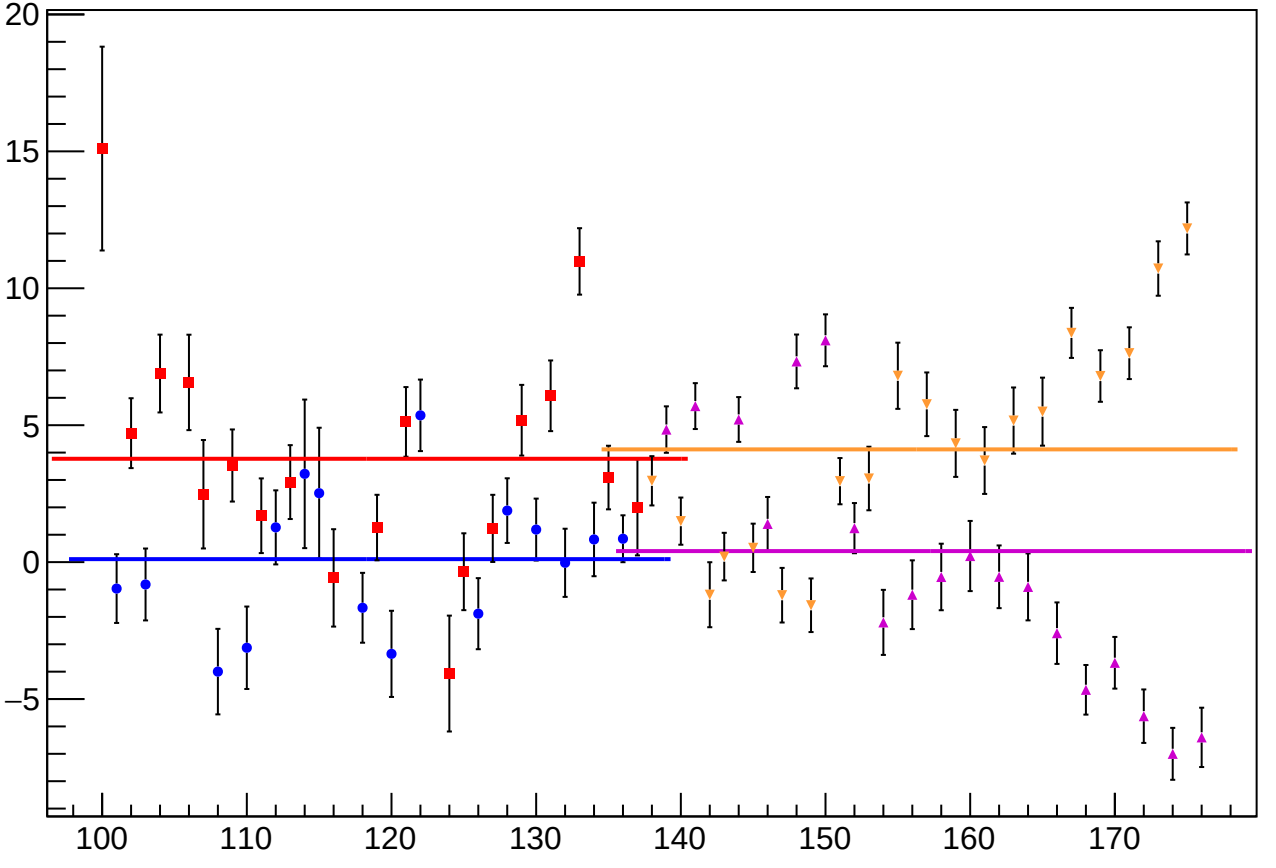
Left In: 830.087+/-0.151 χ^2/NDF:682081.6/18

+ sign 802.284+/-0.120 χ^2/NDF: 972226.2/35

All: 806.855+/-0.085 χ^2/NDF: 1895777.7/73

- sign 811.540+/-0.121 χ^2/NDF: 920590.9/37

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 4.117+/-0.225 χ^2/NDF:301.9/19

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

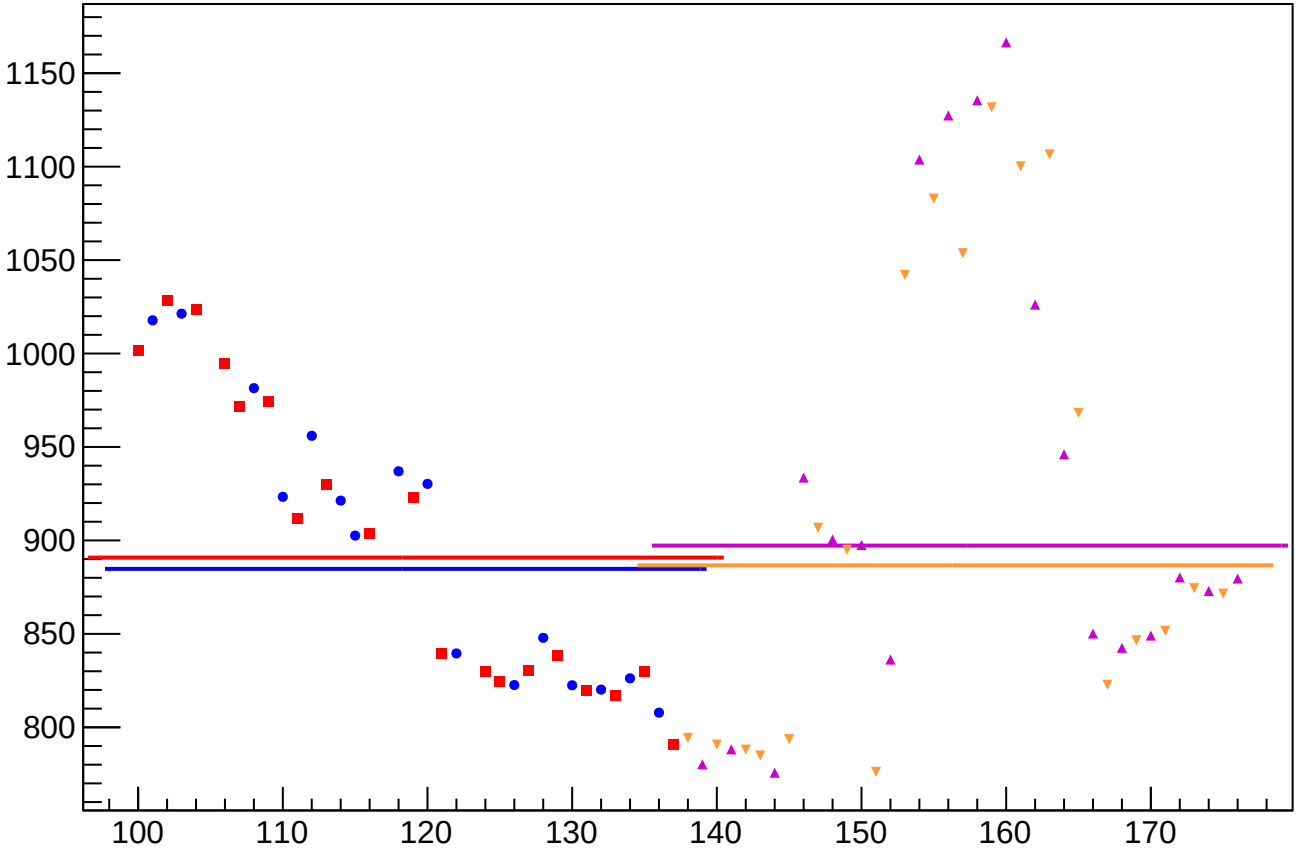
Left In: 0.403+/-0.230 χ^2/NDF:423.9/18

+ sign 2.845+/-0.186 χ^2/NDF: 448.0/35

All: 2.191+/-0.132 χ^2/NDF: 1067.8/73

- sign 1.523+/-0.188 χ^2/NDF: 594.8/37

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 886.669+/-0.159 χ^2/NDF:507542.6/19

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

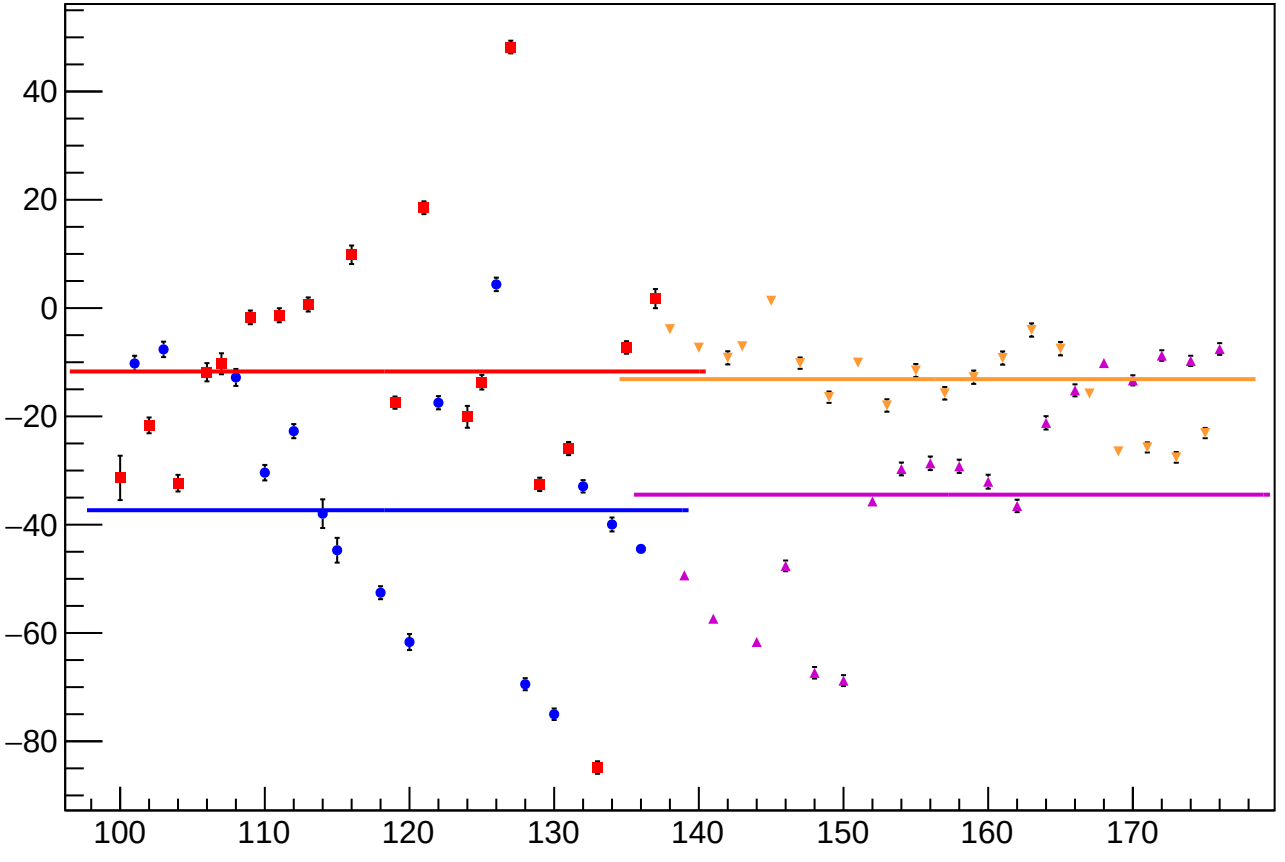
Left In: 897.232+/-0.163 χ^2/NDF:467762.8/18

+ sign 886.068+/-0.131 χ^2/NDF: 612081.8/35

All: 890.532+/-0.093 χ^2/NDF: 1190459.9/73

- sign 895.099+/-0.133 χ^2/NDF: 576043.5/37

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -13.119+/-0.227 χ^2/NDF:1319.9/19

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

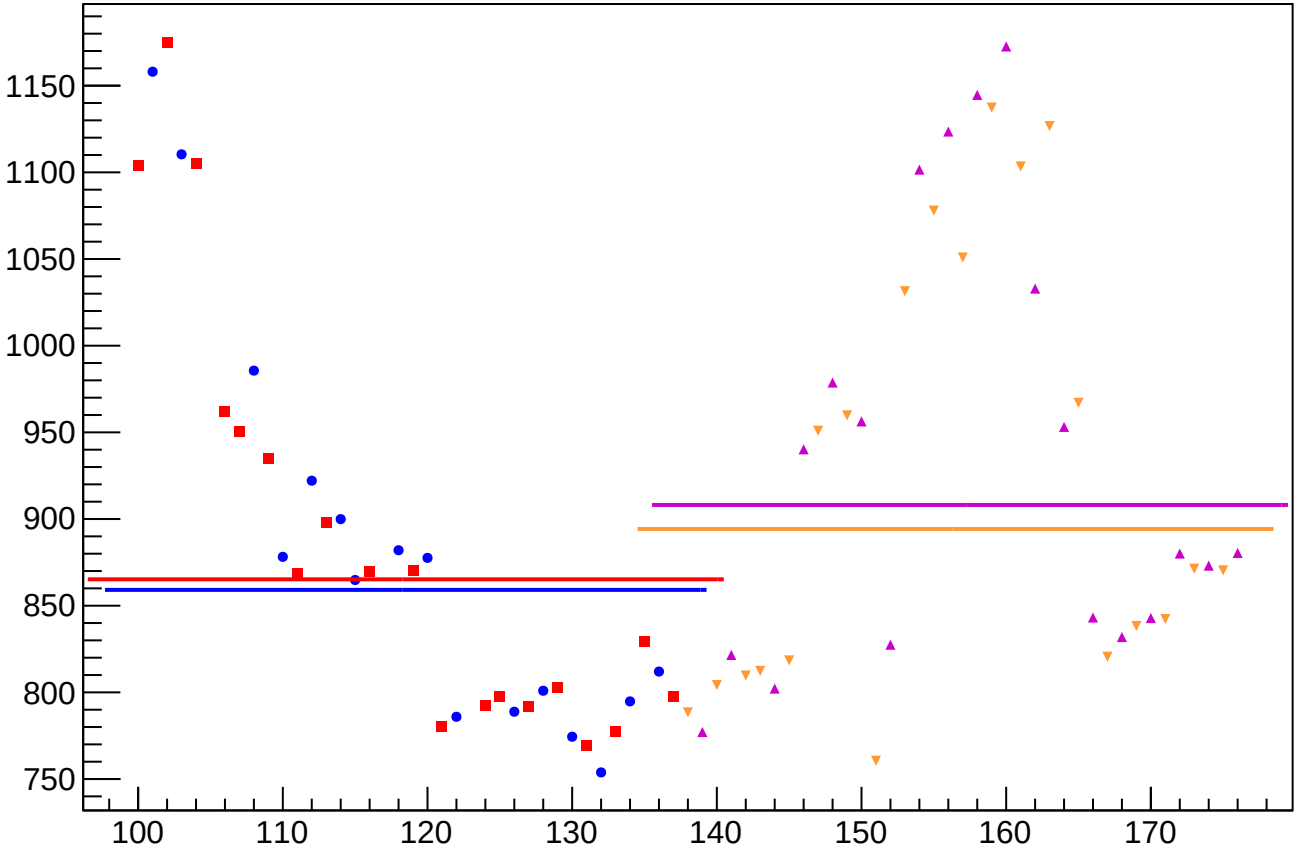
Left In: -34.458+/-0.233 χ^2/NDF:8028.6/18

+ sign -21.164+/-0.185 χ^2/NDF: 10285.7/35

All: -23.803+/-0.132 χ^2/NDF: 30521.2/73

- sign -26.512+/-0.188 χ^2/NDF: 19825.1/37

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 894.277+/-0.160 χ^2/NDF:509973.8/19

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

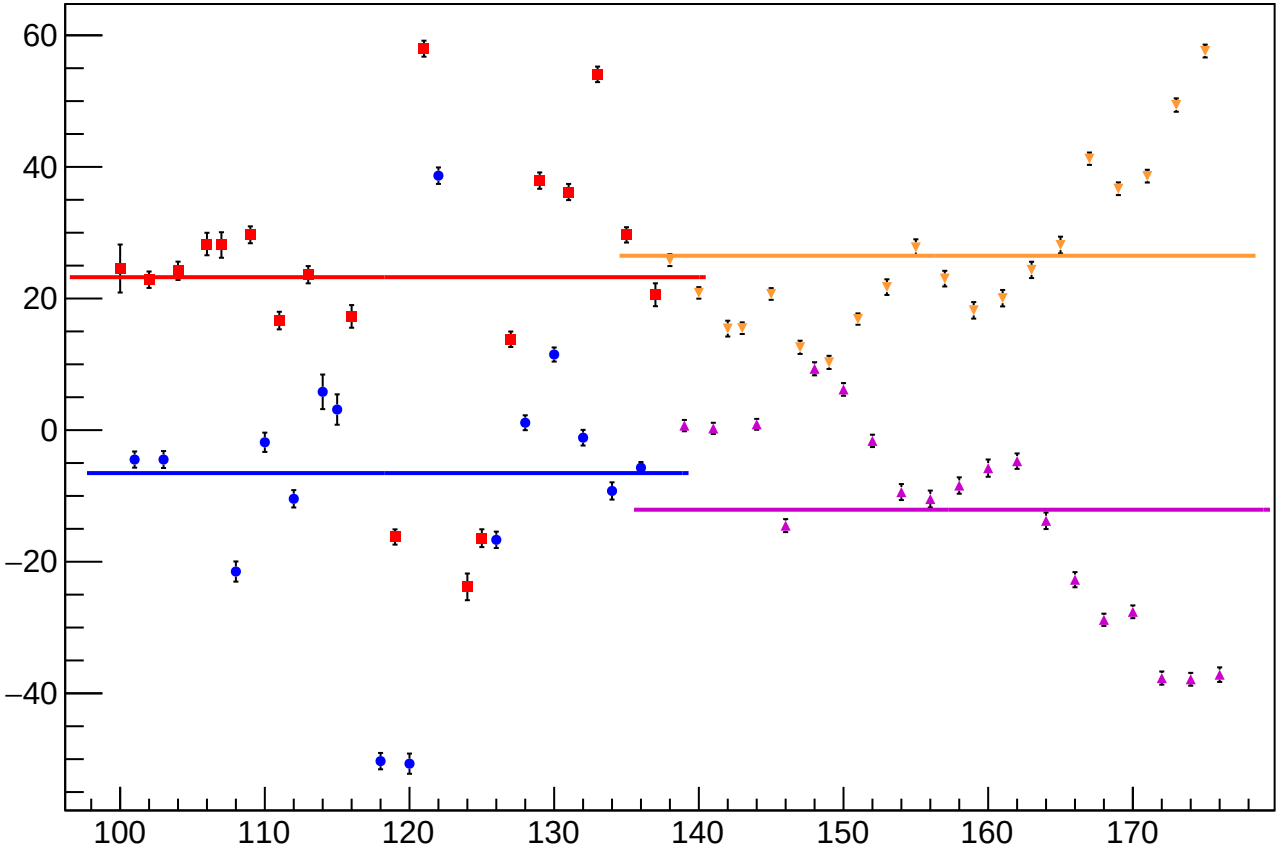
Left In: 908.128+/-0.165 χ^2/NDF:464188.2/18

+ sign 882.597+/-0.131 χ^2/NDF: 754624.5/35

All: 887.800+/-0.093 χ^2/NDF: 1469387.8/73

- sign 893.140+/-0.133 χ^2/NDF: 711573.5/37

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 26.501+/-0.230 χ^2/NDF:3034.4/19

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

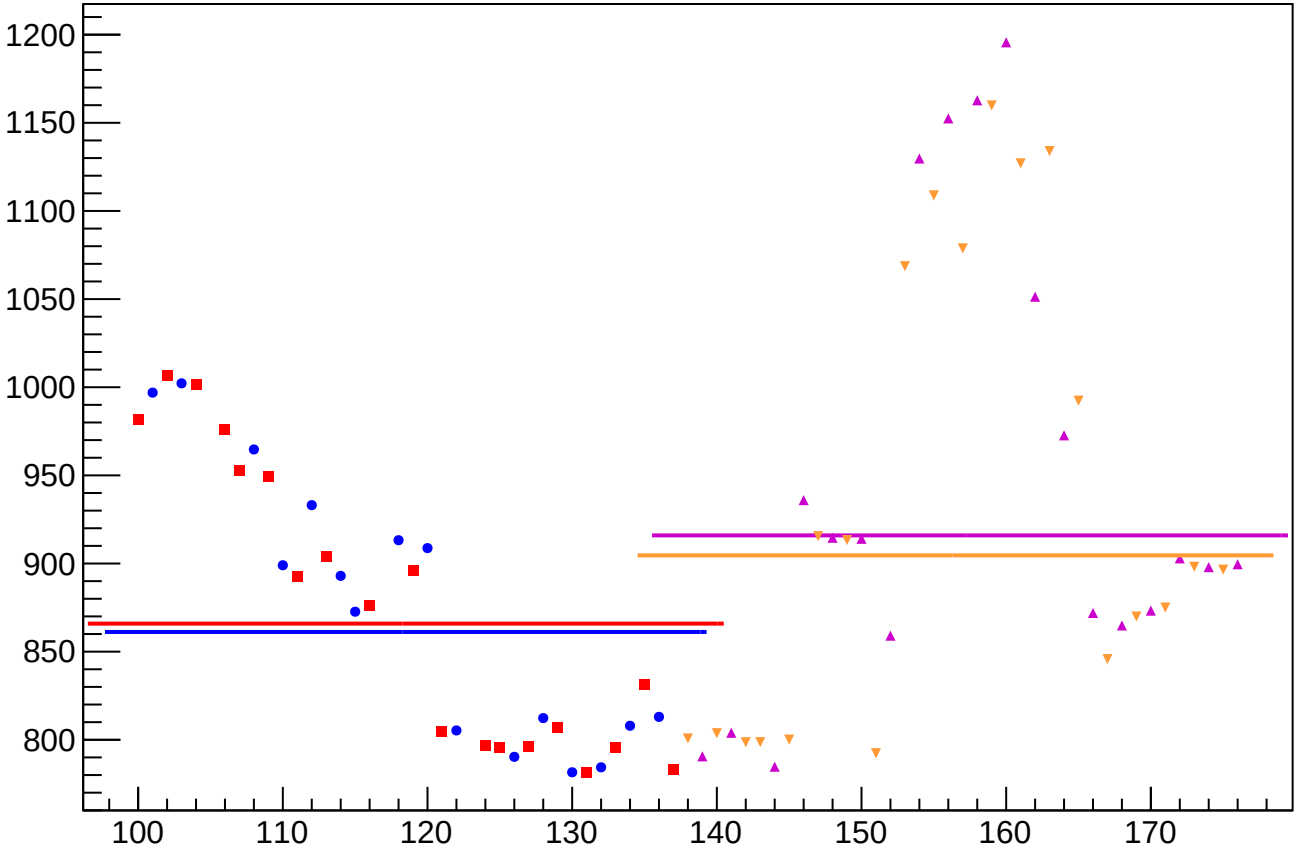
Left In: -12.094+/-0.235 χ^2/NDF:4232.7/18

+ sign 15.331+/-0.187 χ^2/NDF: 13979.2/35

All: 7.957+/-0.133 χ^2/NDF: 33854.1/73

- sign 0.428+/-0.189 χ^2/NDF: 16724.9/37

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 904.626+/-0.162 χ^2/NDF:531043.0/19

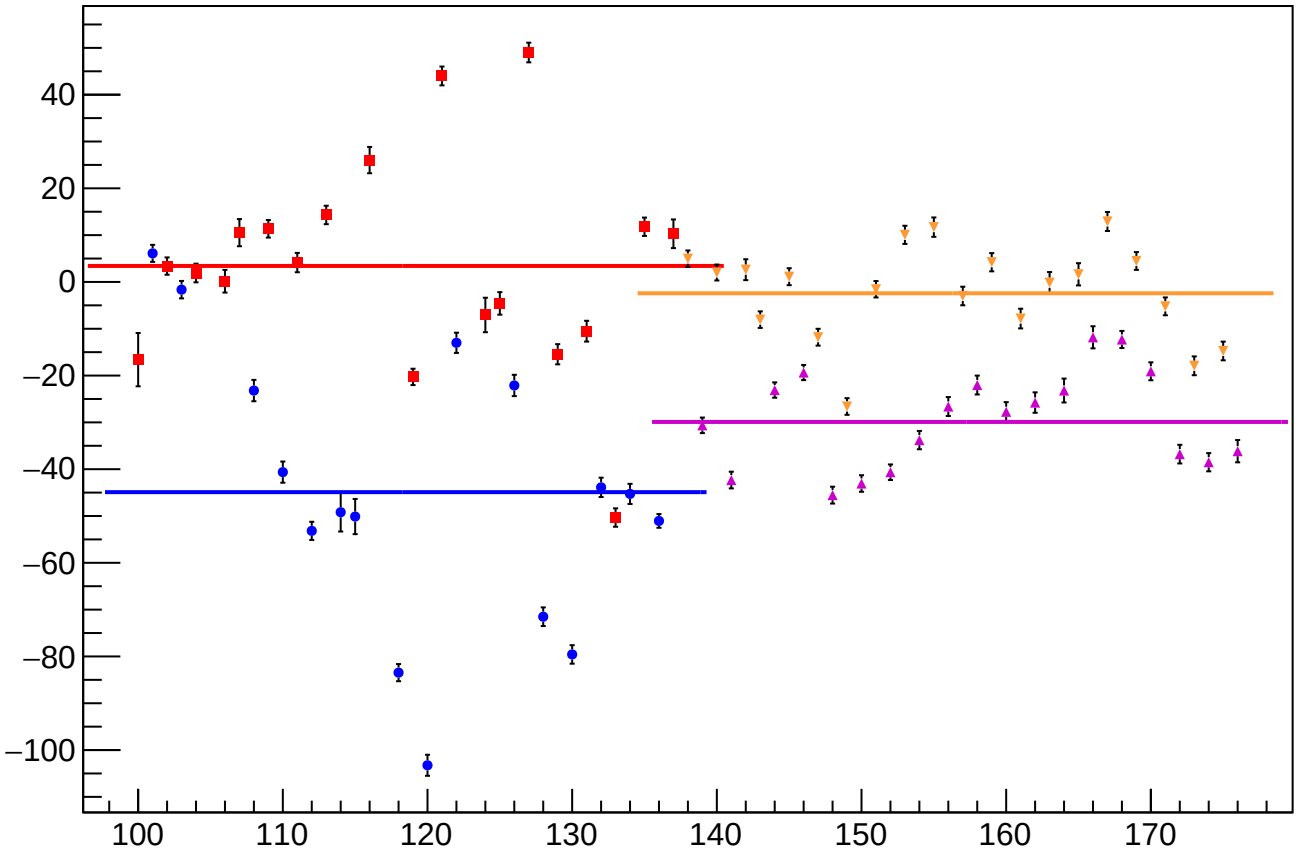
Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 915.951+/-0.166 χ^2/NDF:479772.1/18

+ sign 889.930+/-0.132 χ^2/NDF: 668803.6/35

All: 894.031+/-0.094 χ^2/NDF: 1301117.8/73

- sign 898.217+/-0.133 χ^2/NDF: 630366.4/37



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.419+/-0.432 χ^2/NDF:536.3/19

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

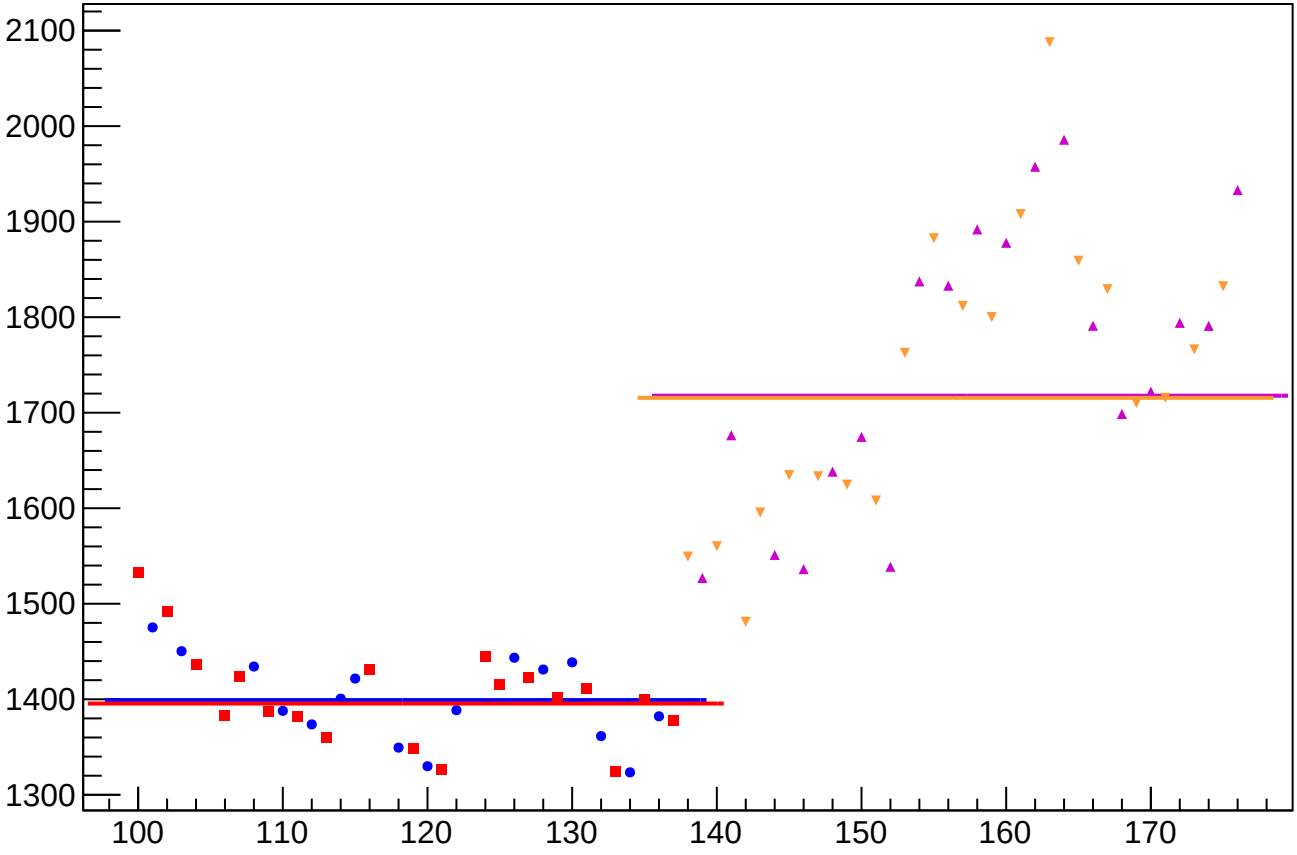
Left In: -29.905+/-0.438 χ^2/NDF:536.2/18

+ sign -19.779+/-0.332 χ^2/NDF: 7863.2/35

All: -17.757+/-0.235 χ^2/NDF: 13037.7/73

- sign -15.739+/-0.332 χ^2/NDF: 5100.5/37

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1715.564+/-0.306 χ^2/NDF:201531.0/19

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

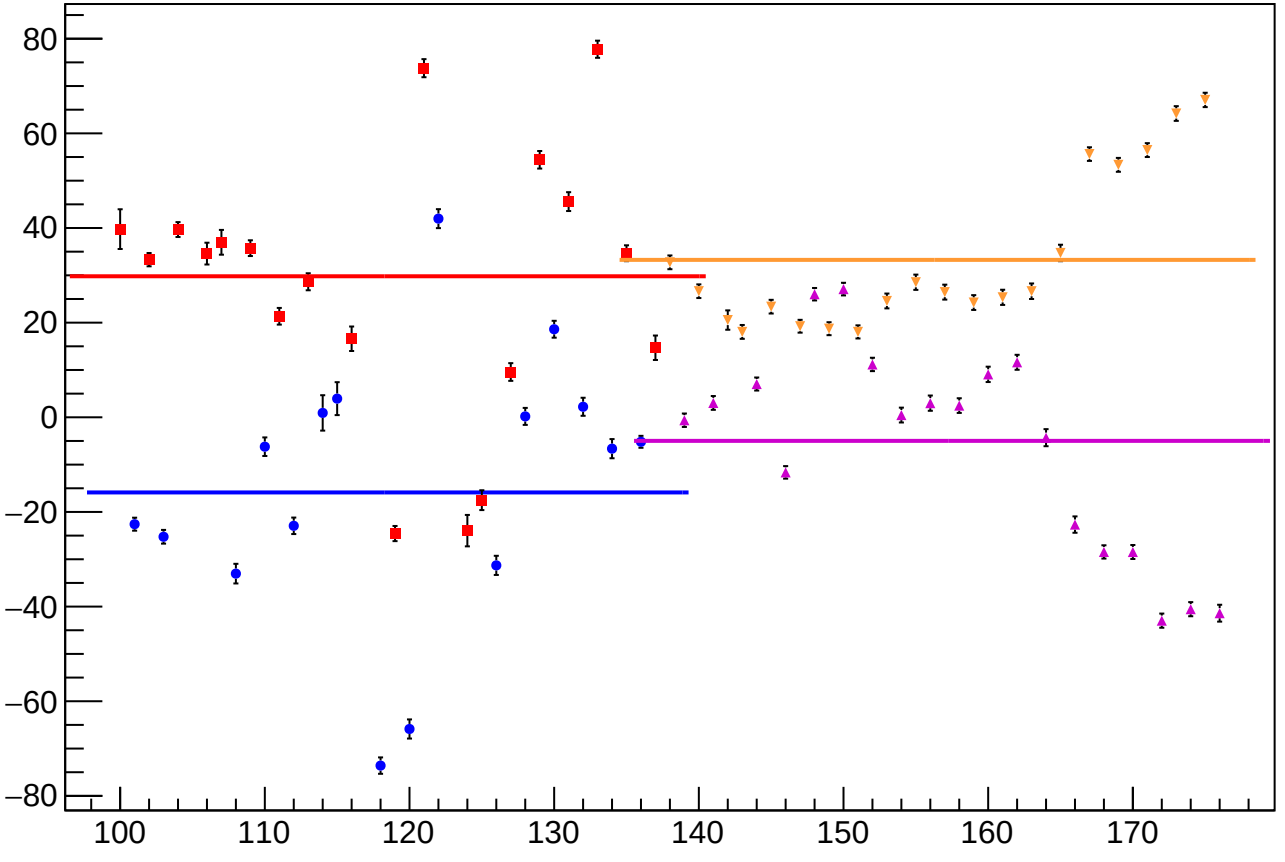
Left In: 1717.792+/-0.310 χ^2/NDF:212993.0/18

+ sign 1586.285+/-0.235 χ^2/NDF: 654424.4/35

All: 1583.537+/-0.166 χ^2/NDF: 1344474.9/73

- sign 1580.794+/-0.235 χ^2/NDF: 689777.2/37

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 33.265+/-0.339 χ^2/NDF:2258.1/19

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

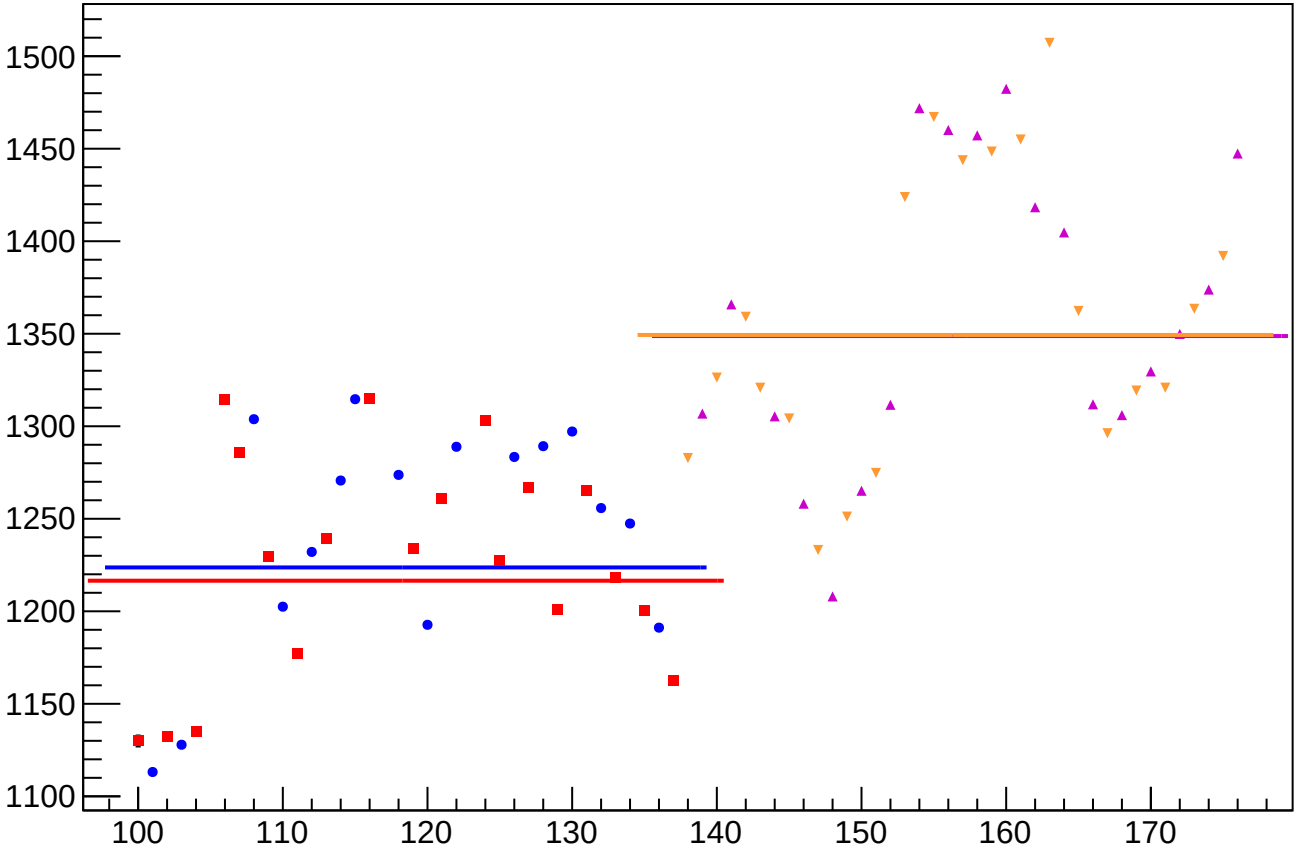
Left In: -4.981+/-0.343 χ^2/NDF:3911.7/18

+ sign 15.709+/-0.272 χ^2/NDF: 13225.9/35

All: 11.848+/-0.192 χ^2/NDF: 25060.1/73

- sign 8.004+/-0.272 χ^2/NDF: 11432.4/37

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1349.346+/-0.240 χ^2/NDF:101896.5/19

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

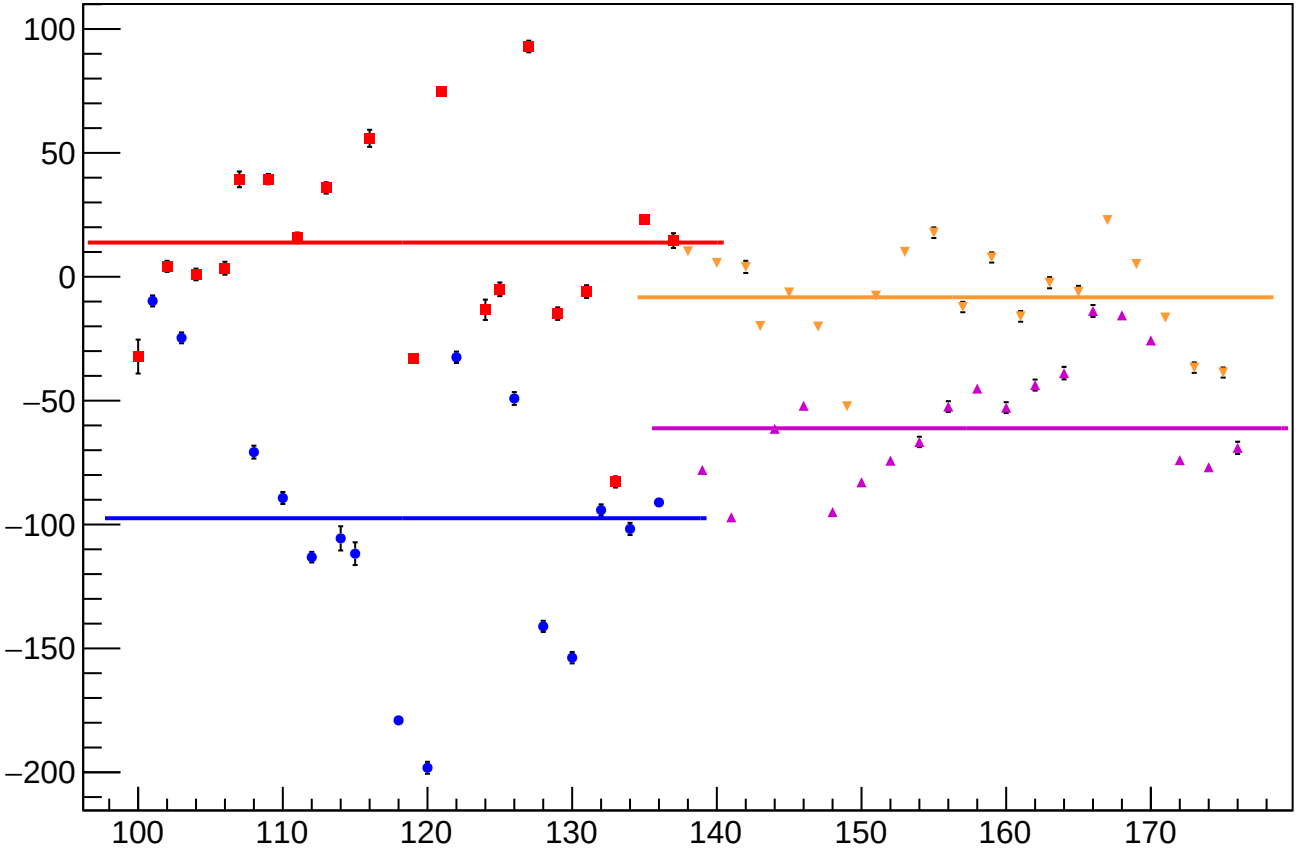
Left In: 1348.757+/-0.243 χ^2/NDF:106155.3/18

+ sign 1304.461+/-0.192 χ^2/NDF: 240701.6/35

All: 1301.921+/-0.136 χ^2/NDF: 487559.1/73

- sign 1299.393+/-0.192 χ^2/NDF: 246509.9/37

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.283+/-0.444 χ^2/NDF:1896.8/19

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

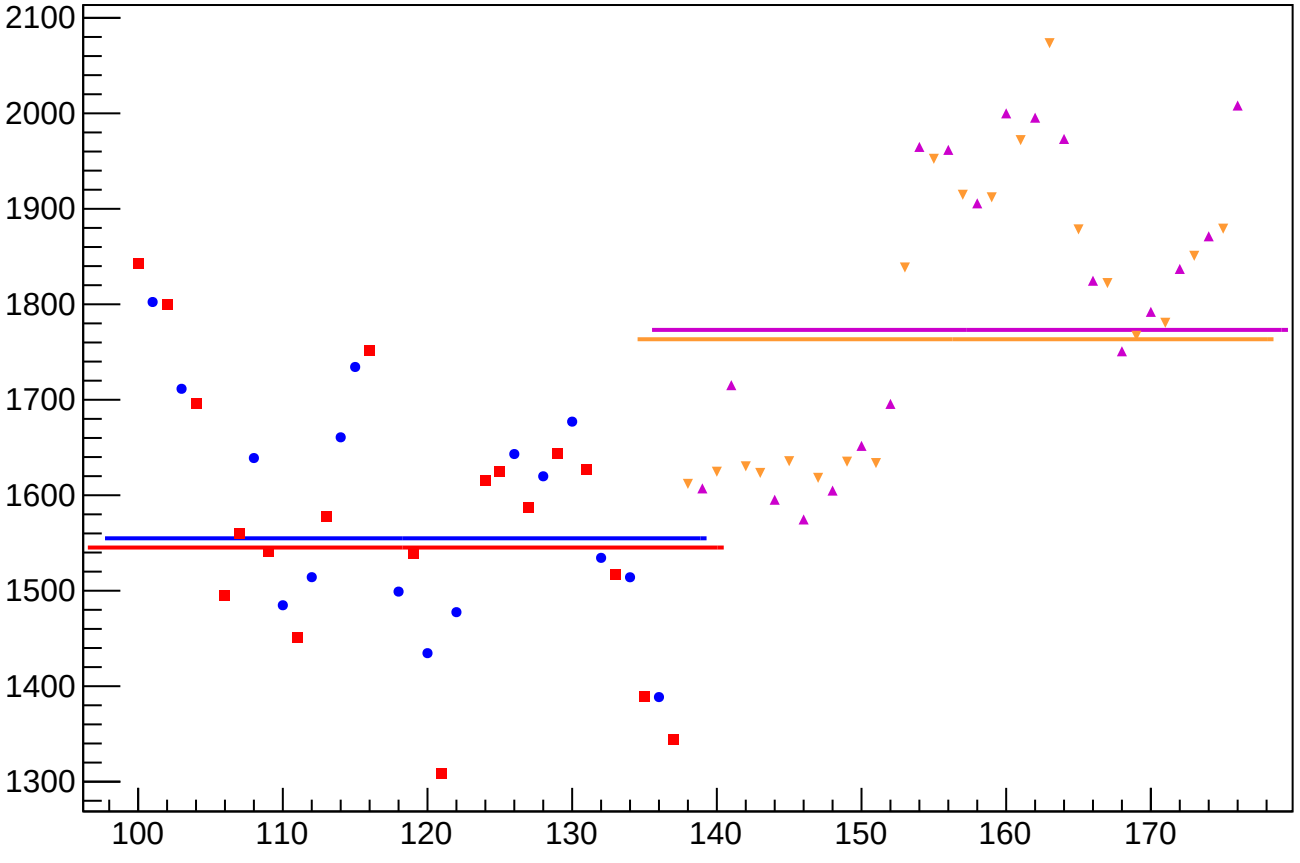
Left In: -61.152+/-0.452 χ^2/NDF:2726.3/18

\+ sign -41.302+/-0.353 χ^2/NDF: 25111.9/35

All: -36.633+/-0.249 χ^2/NDF: 44264.6/73

\- sign -31.952+/-0.353 χ^2/NDF: 18801.6/37

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1763.393+/-0.314 χ^2/NDF:199507.0/19

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

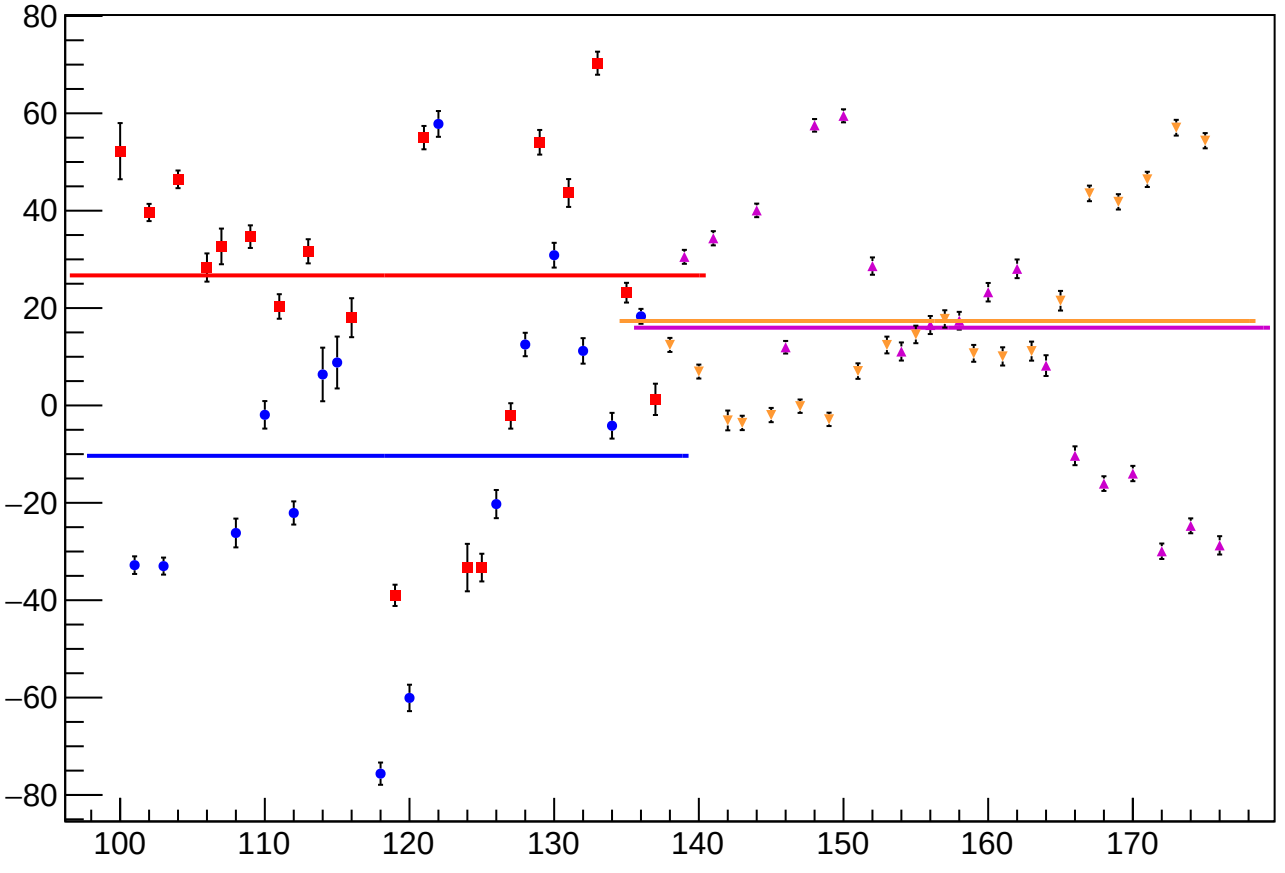
Left In: 1773.189+/-0.319 χ^2/NDF:223036.7/18

+ sign 1686.195+/-0.249 χ^2/NDF: 450482.6/35

All: 1685.300+/-0.176 χ^2/NDF: 980611.8/73

- sign 1684.403+/-0.250 χ^2/NDF: 530103.4/37

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 17.345+/-0.361 χ^2/NDF:3029.7/19

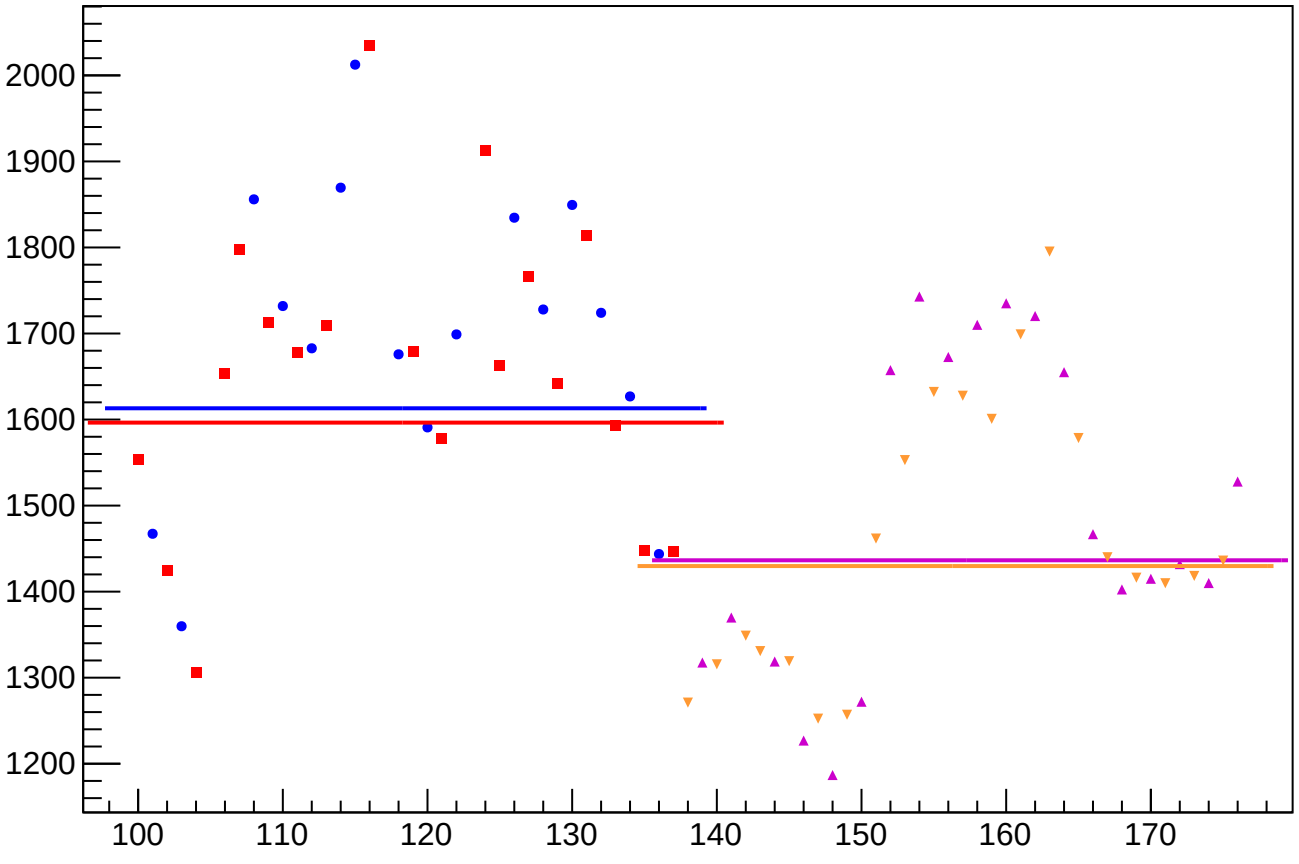
Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: 15.969+/-0.368 χ^2/NDF:5875.0/18

+ sign 10.034+/-0.310 χ^2/NDF: 7587.8/35

All: 14.494+/-0.220 χ^2/NDF: 16660.7/73

- sign 19.001+/-0.312 χ^2/NDF: 8656.5/37



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1429.723+/-0.255 χ^2/NDF:328392.1/19

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

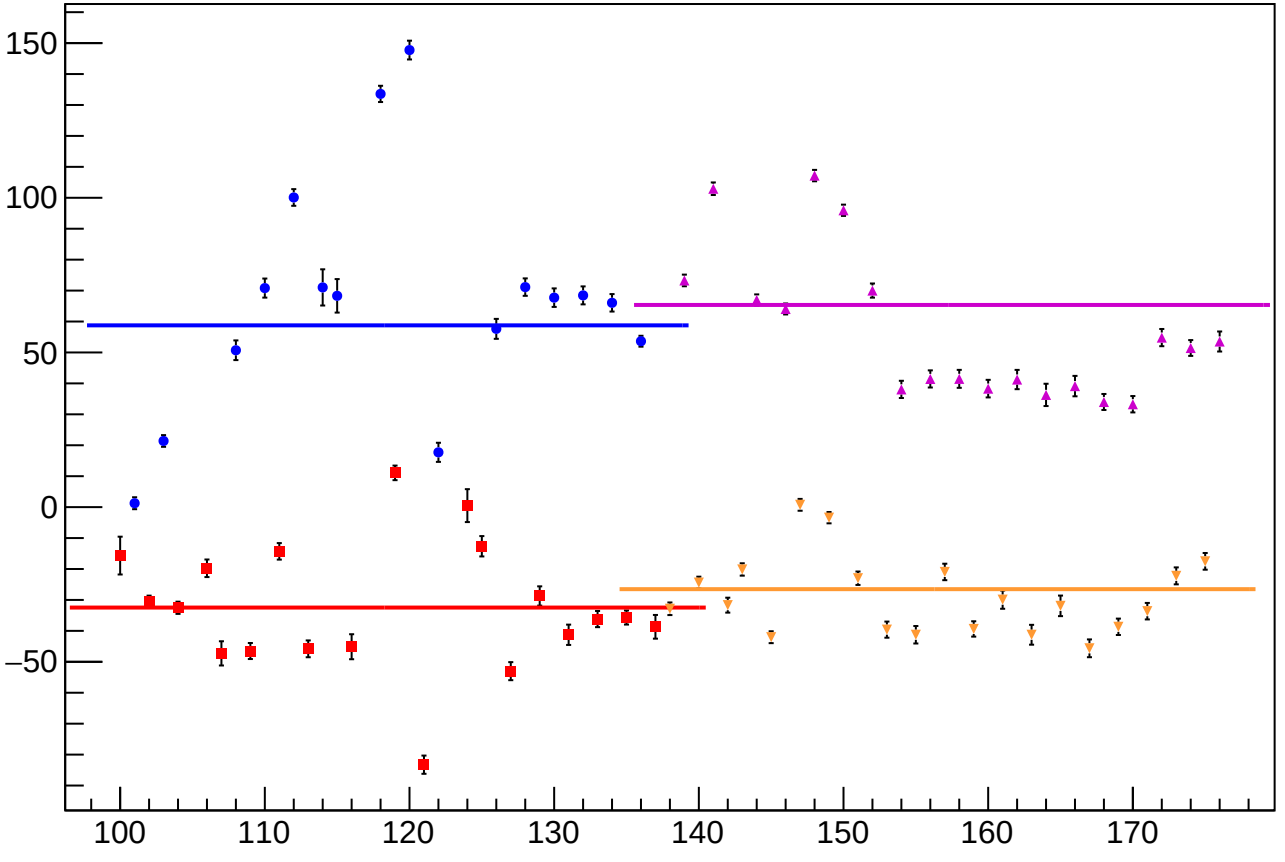
Left In: 1436.432+/-0.260 χ^2/NDF:472628.7/18

+ sign 1478.143+/-0.219 χ^2/NDF: 619155.7/35

All: 1479.860+/-0.155 χ^2/NDF: 1359520.1/73

- sign 1481.596+/-0.220 χ^2/NDF: 740240.9/37

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.518+/-0.531 χ^2/NDF:650.4/19

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

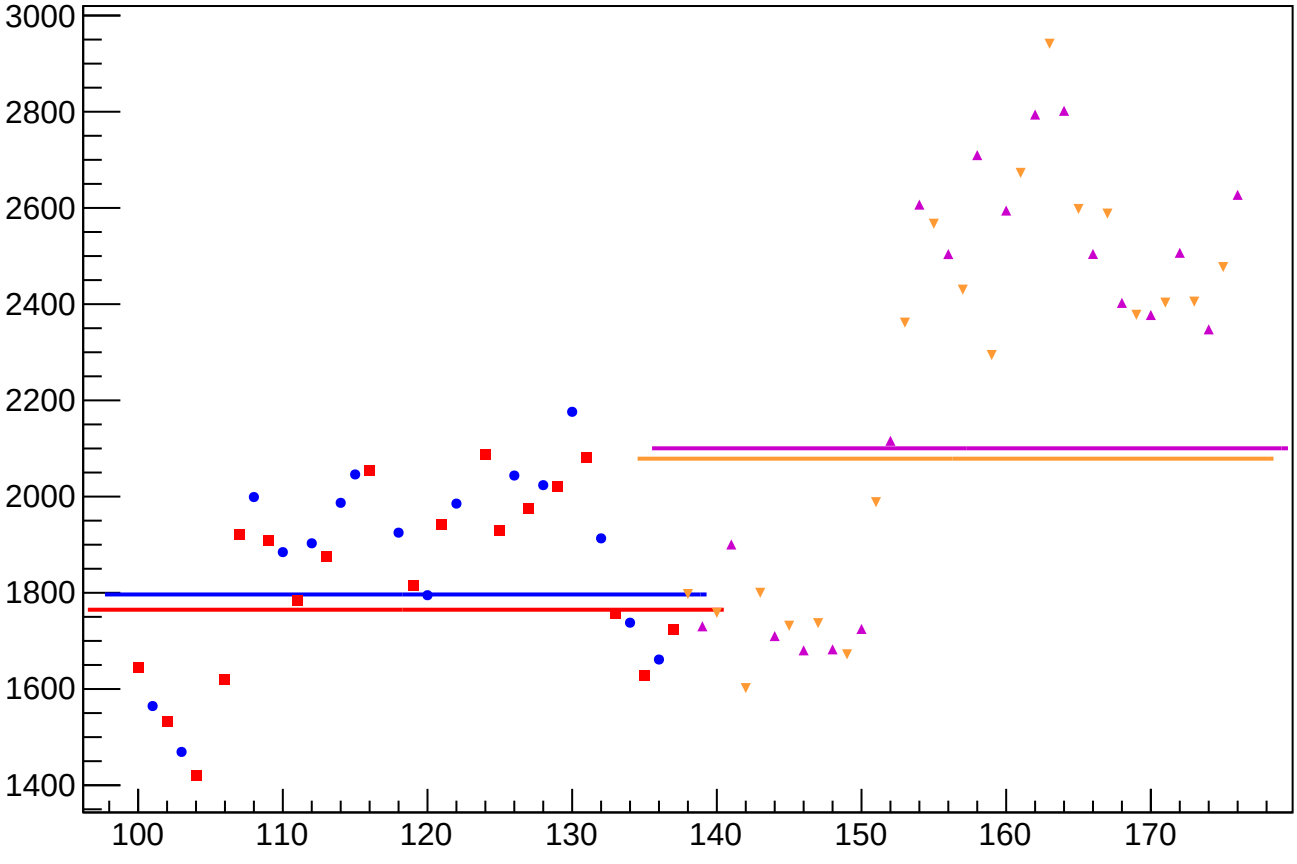
Left In: 65.357+/-0.544 χ^2/NDF:2032.3/18

+ sign 6.262+/-0.417 χ^2/NDF: 13994.5/35

All: 15.619+/-0.295 χ^2/NDF: 31325.9/73

- sign 24.965+/-0.417 χ^2/NDF: 16324.6/37

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2078.824+/-0.376 χ^2/NDF:1039502.9/19

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

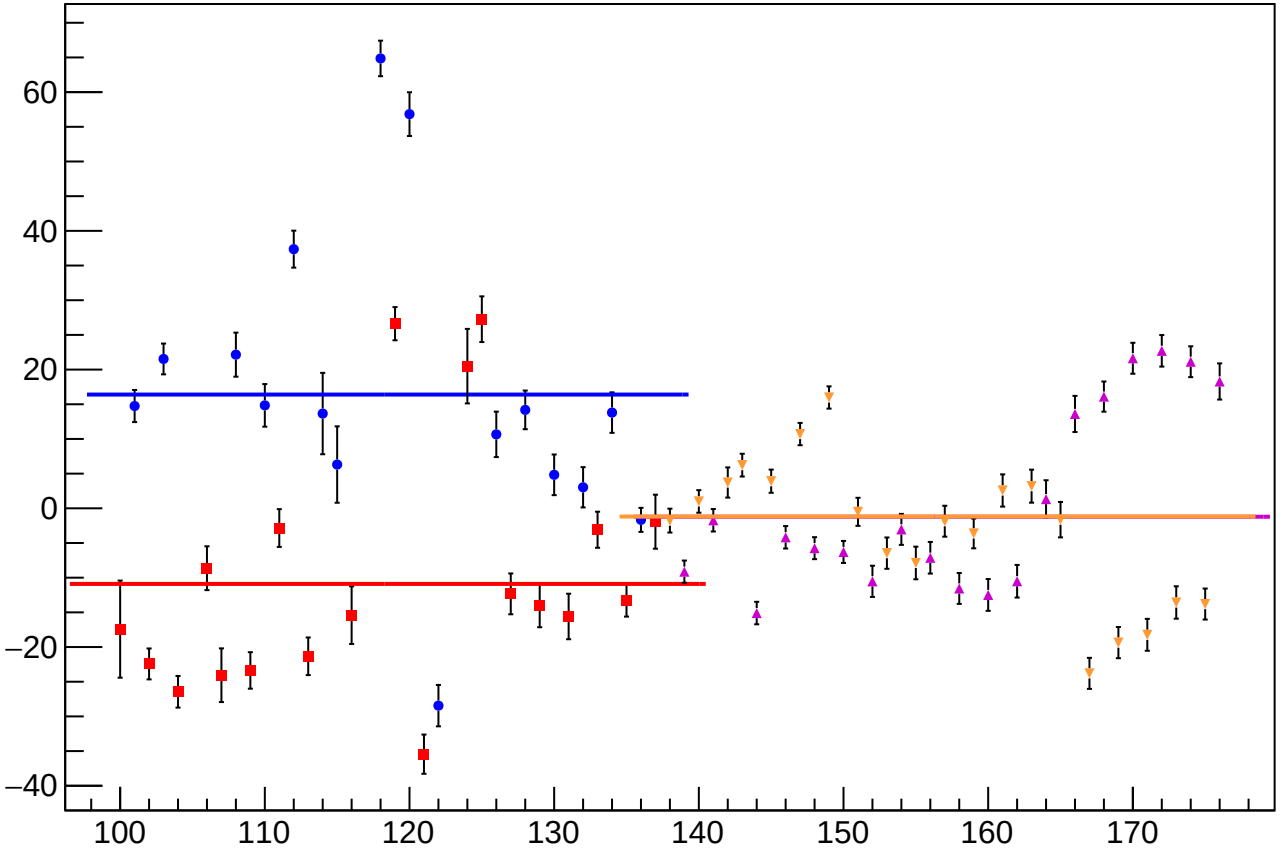
Left In: 2100.372+/-0.385 χ^2/NDF:1116423.1/18

+ sign 1970.323+/-0.295 χ^2/NDF: 1449616.7/35

All: 1966.078+/-0.208 χ^2/NDF: 3070795.7/73

- sign 1961.838+/-0.295 χ^2/NDF: 1620764.6/37

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -1.185+/-0.449 χ^2/NDF:509.1/19

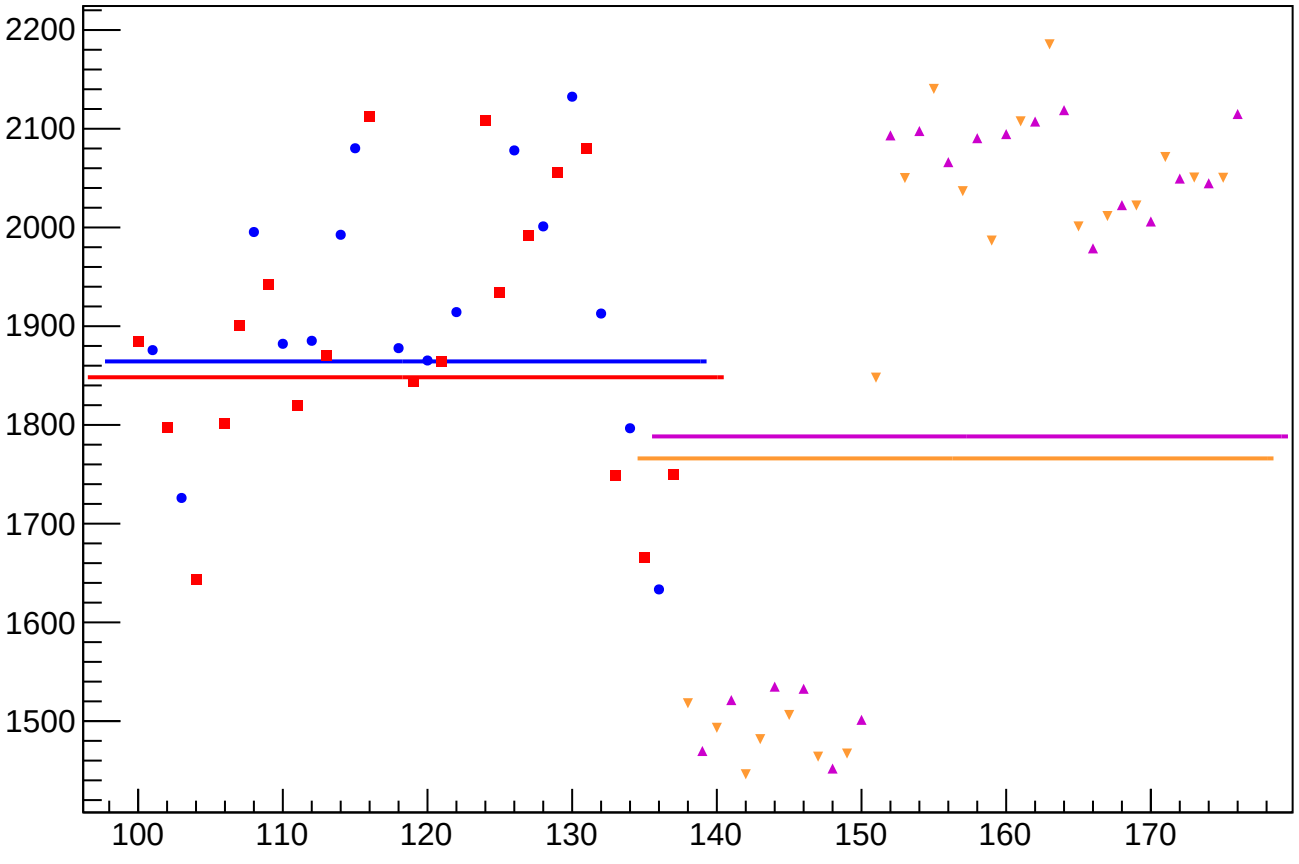
Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: -1.214+/-0.460 χ^2/NDF:674.8/18

+ sign 3.998+/-0.377 χ^2/NDF: 1933.7/35

All: -0.107+/-0.268 χ^2/NDF: 3629.0/73

- sign -4.275+/-0.380 χ^2/NDF: 1456.8/37



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1766.080+/-0.318 χ^2/NDF:794818.5/19

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

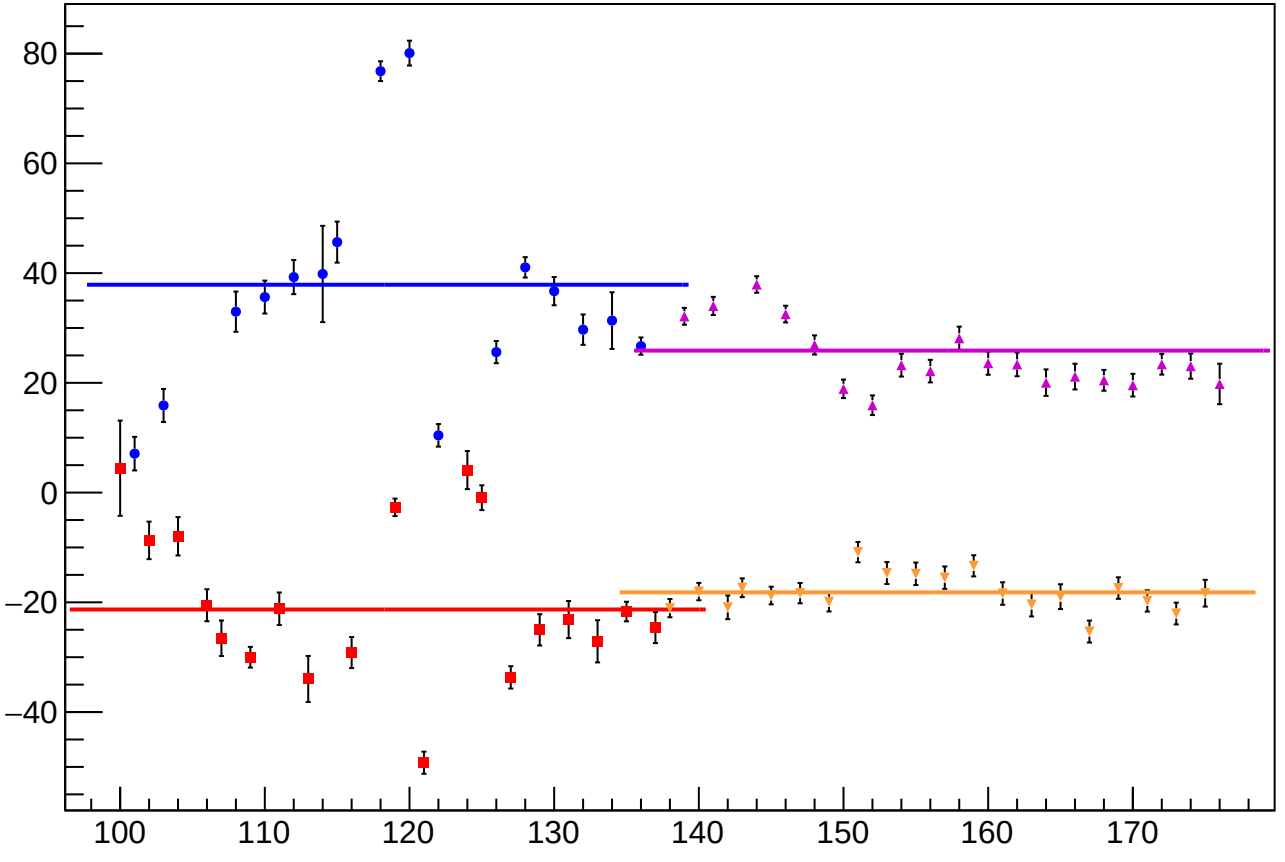
Left In: 1788.359+/-0.325 χ^2/NDF:769275.9/18

\+ sign 1795.039+/-0.267 χ^2/NDF: 906324.1/35

All: 1801.122+/-0.189 χ^2/NDF: 1762345.8/73

\- sign 1807.298+/-0.269 χ^2/NDF: 854974.1/37

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.184+/-0.428 χ^2/NDF:54.0/19

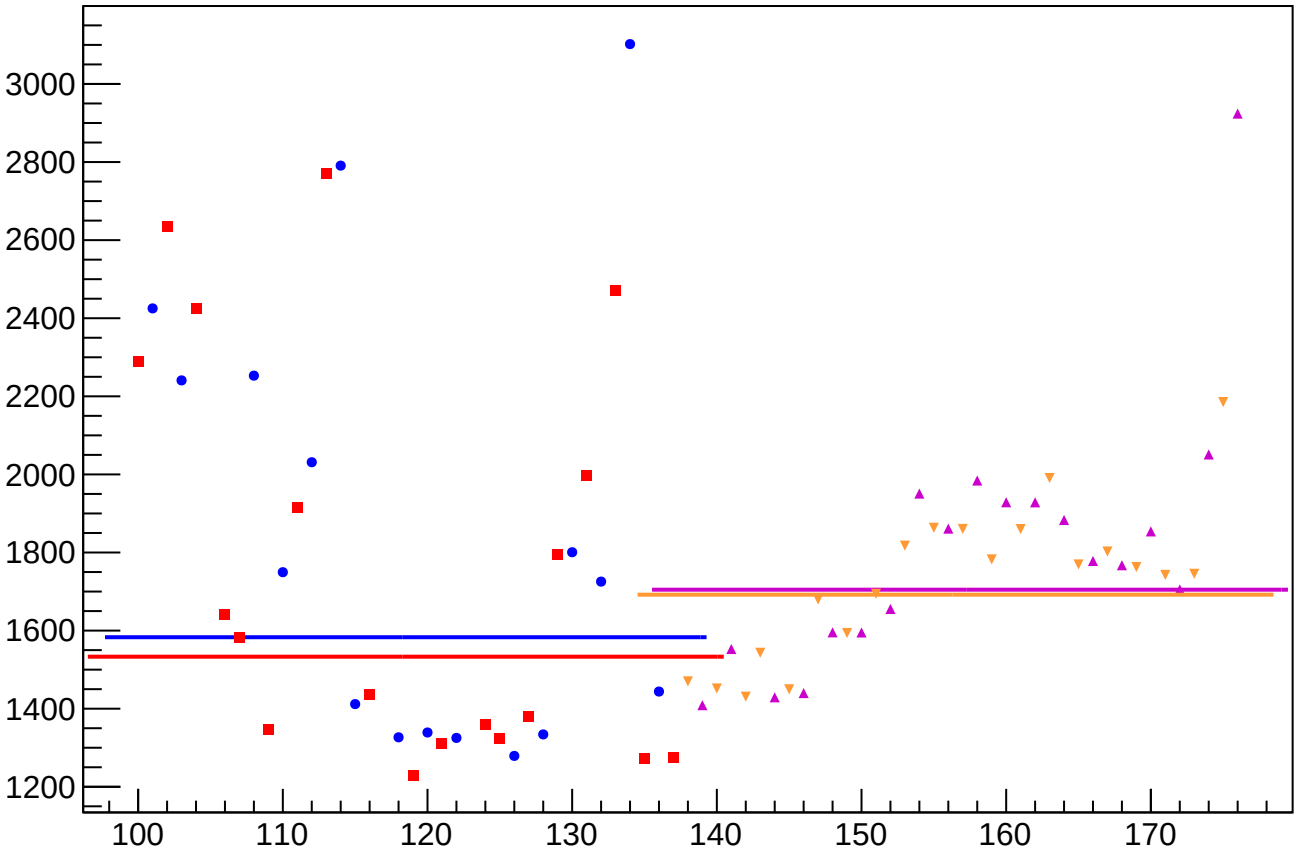
Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: 25.881+/-0.439 χ^2/NDF:213.9/18

+ sign -0.160+/-0.353 χ^2/NDF: 6809.9/35

All: 4.505+/-0.250 χ^2/NDF: 12046.6/73

- sign 9.170+/-0.353 χ^2/NDF: 4887.1/37



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1691.997+/-0.303 χ^2/NDF:364590.6/19

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

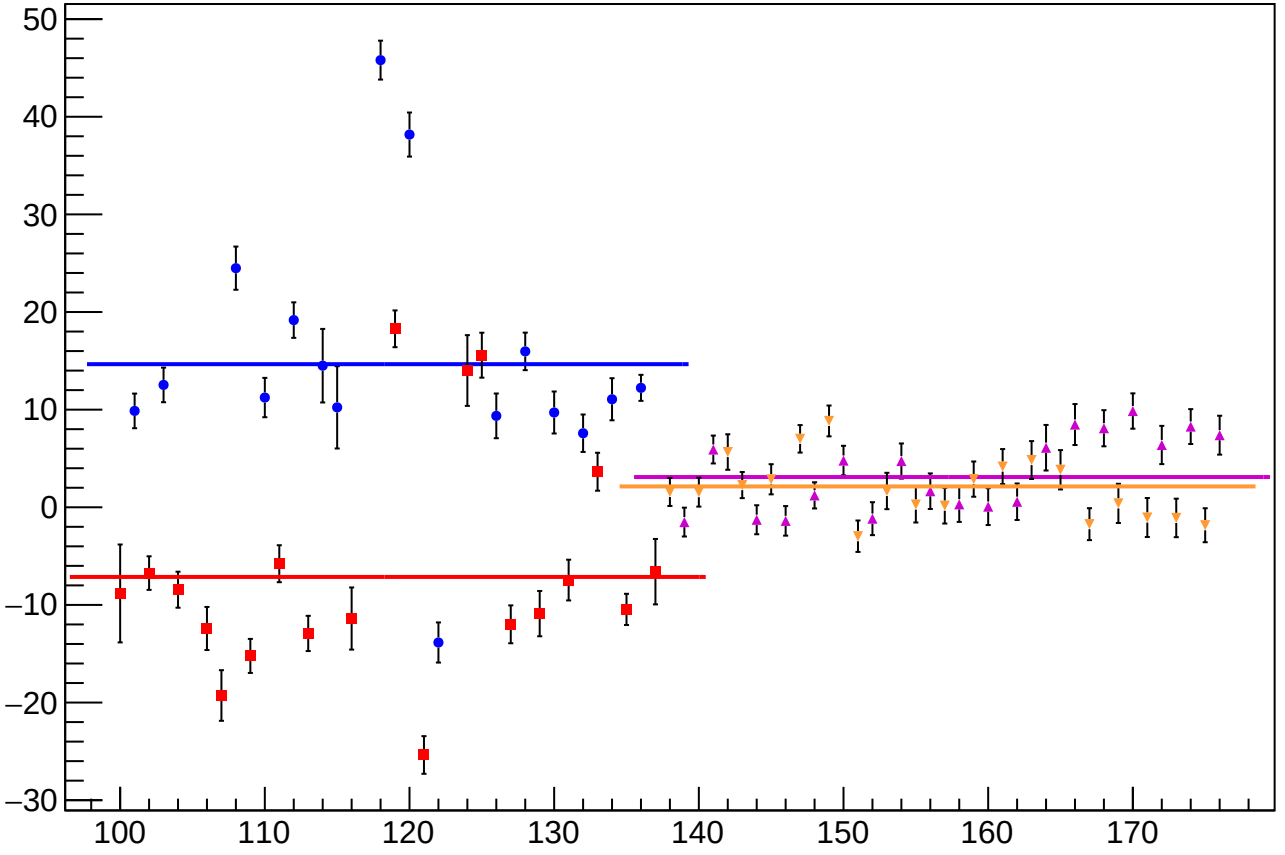
Left In: 1704.781+/-0.310 χ^2/NDF:644952.0/18

+ sign 1656.972+/-0.250 χ^2/NDF: 1193847.5/35

All: 1650.492+/-0.176 χ^2/NDF: 2899104.3/73

- sign 1644.013+/-0.250 χ^2/NDF: 1703908.0/37

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.136+/-0.378 χ^2/NDF:67.5/19

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

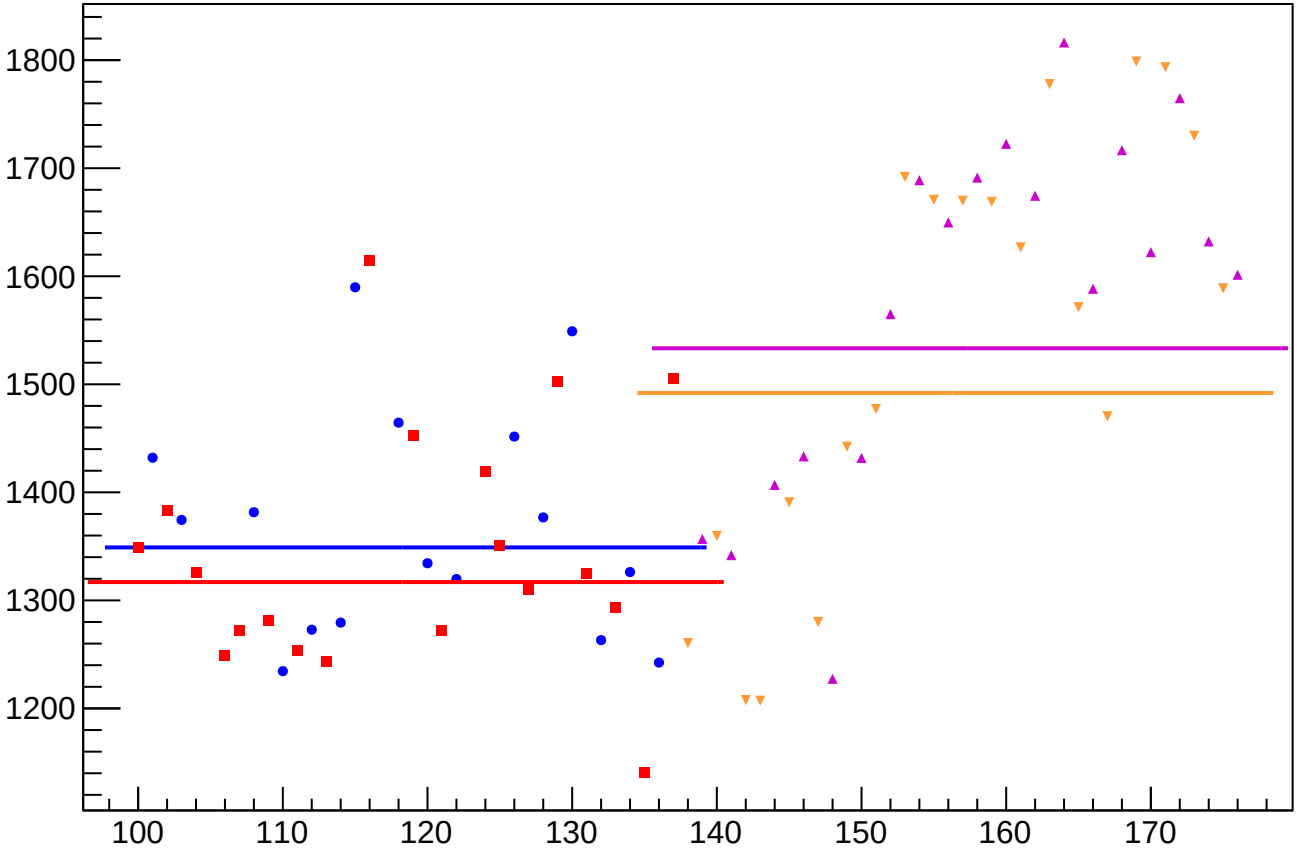
Left In: 3.098+/-0.392 χ^2/NDF:94.3/18

+ sign 6.645+/-0.303 χ^2/NDF: 1076.5/35

All: 2.862+/-0.215 χ^2/NDF: 2264.7/73

- sign -0.966+/-0.305 χ^2/NDF: 874.1/37

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1491.988+/-0.268 χ^2/NDF:529168.9/19

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

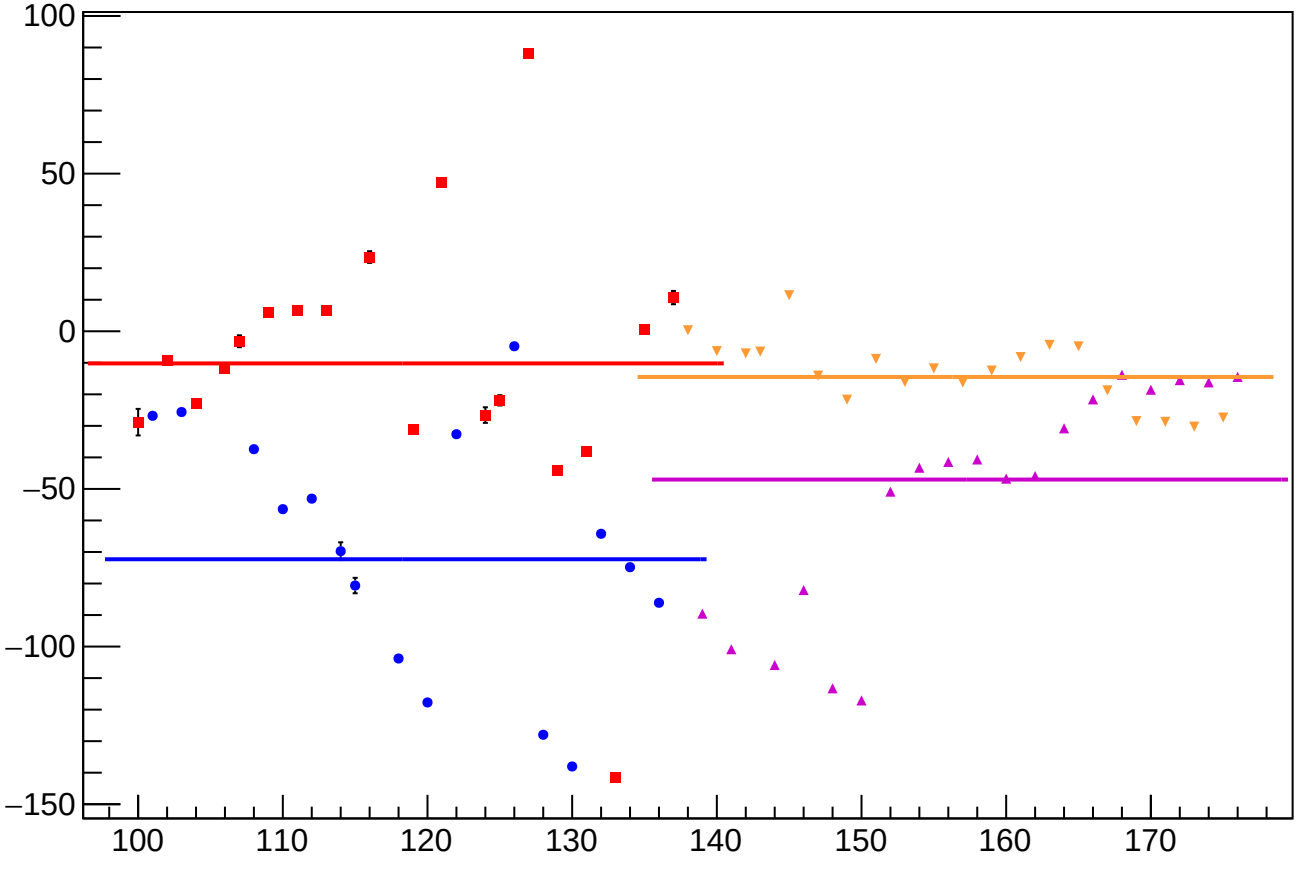
Left In: 1533.325+/-0.277 χ^2/NDF:363236.1/18

+ sign 1440.502+/-0.214 χ^2/NDF: 700365.0/35

All: 1443.926+/-0.152 χ^2/NDF: 1392742.7/73

- sign 1447.389+/-0.215 χ^2/NDF: 691863.1/37

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -14.492+/-0.205 χ^2/NDF:2646.8/19

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

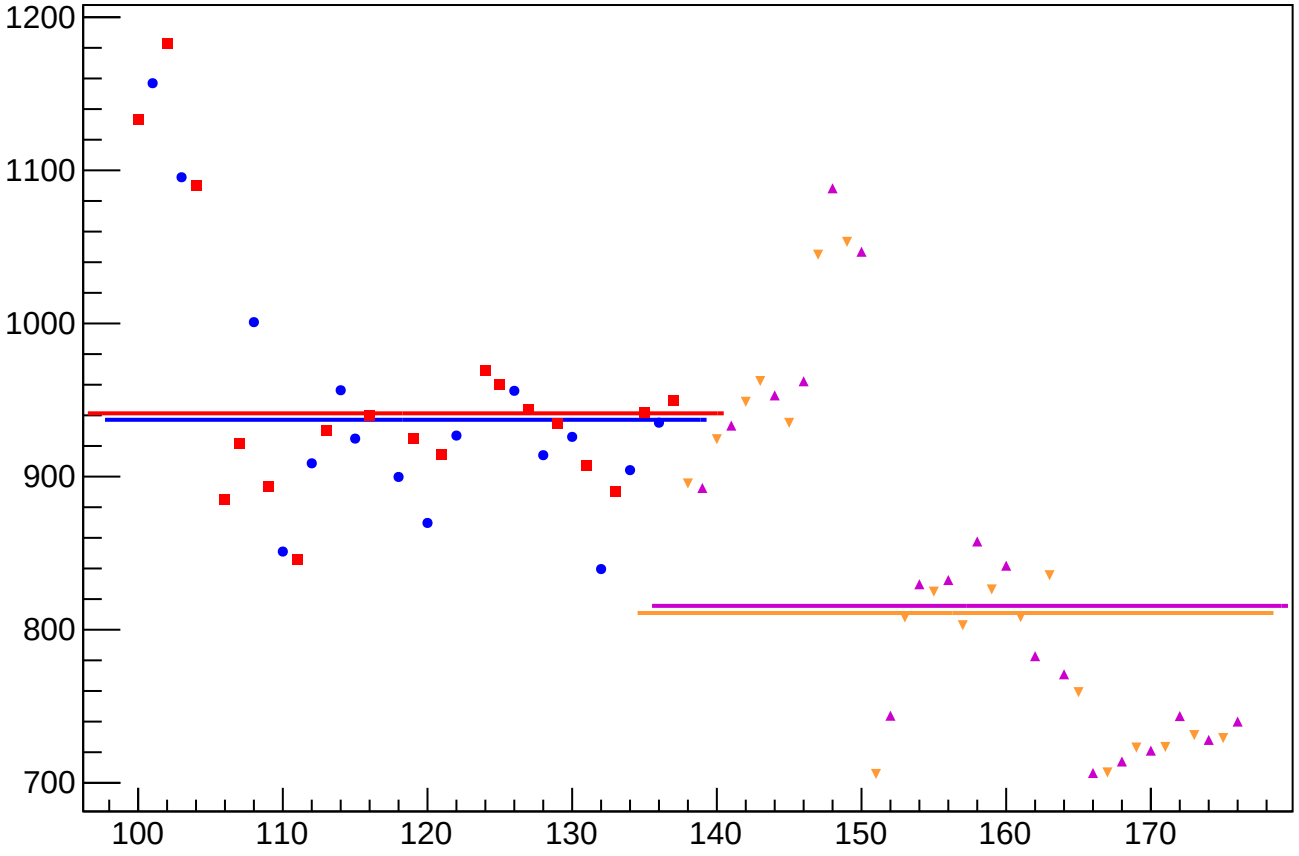
Left In: -47.032+/-0.209 χ^2/NDF:25149.0/18

+ sign -29.315+/-0.177 χ^2/NDF: 35151.7/35

All: -33.194+/-0.126 χ^2/NDF: 88681.5/73

- sign -37.141+/-0.179 χ^2/NDF: 52560.4/37

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 810.920+/-0.145 χ^2/NDF:466655.6/19

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

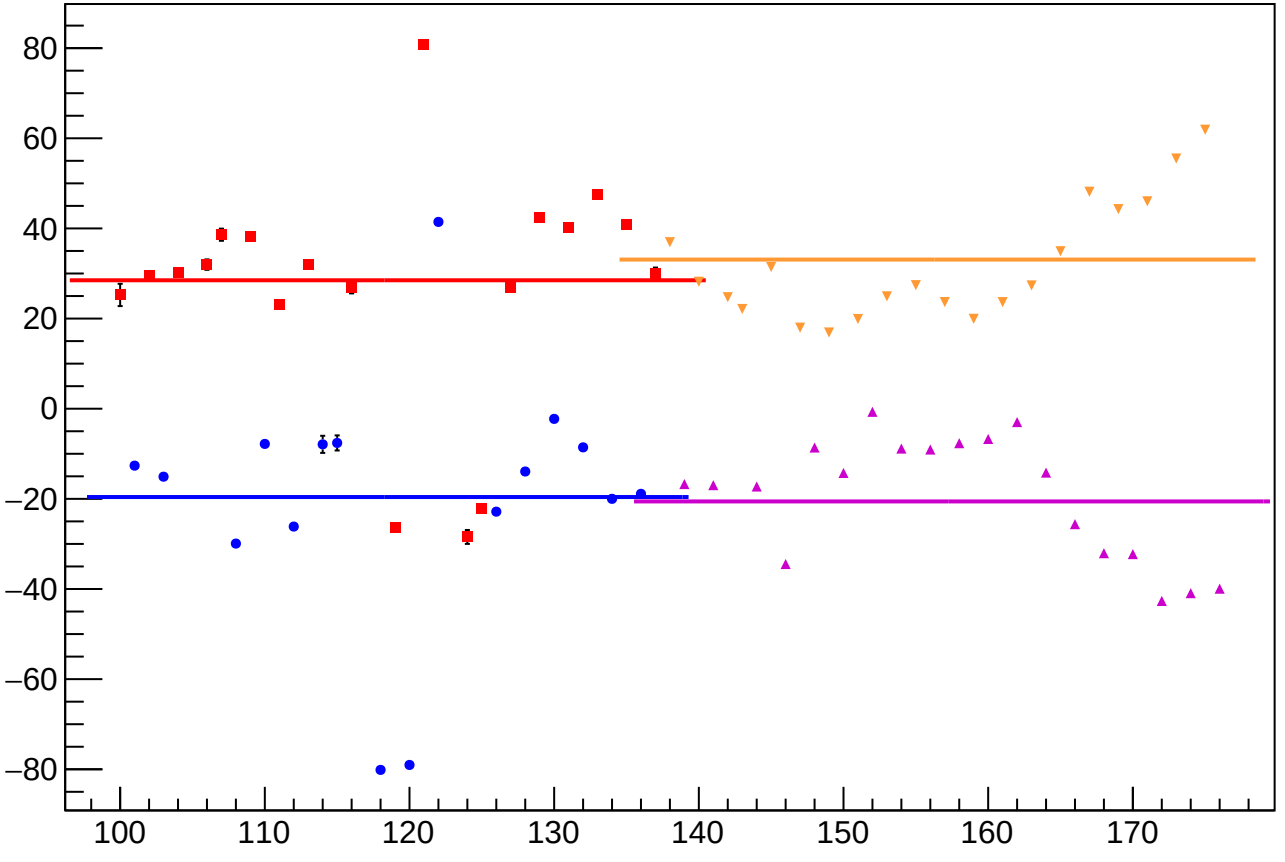
Left In: 815.581+/-0.148 χ^2/NDF:486767.8/18

\+ sign 843.272+/-0.125 χ^2/NDF: 765204.1/35

All: 846.278+/-0.089 χ^2/NDF: 1549042.4/73

\- sign 849.338+/-0.126 χ^2/NDF: 782673.3/37

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 33.089+/-0.162 χ^2/NDF:6775.8/19

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

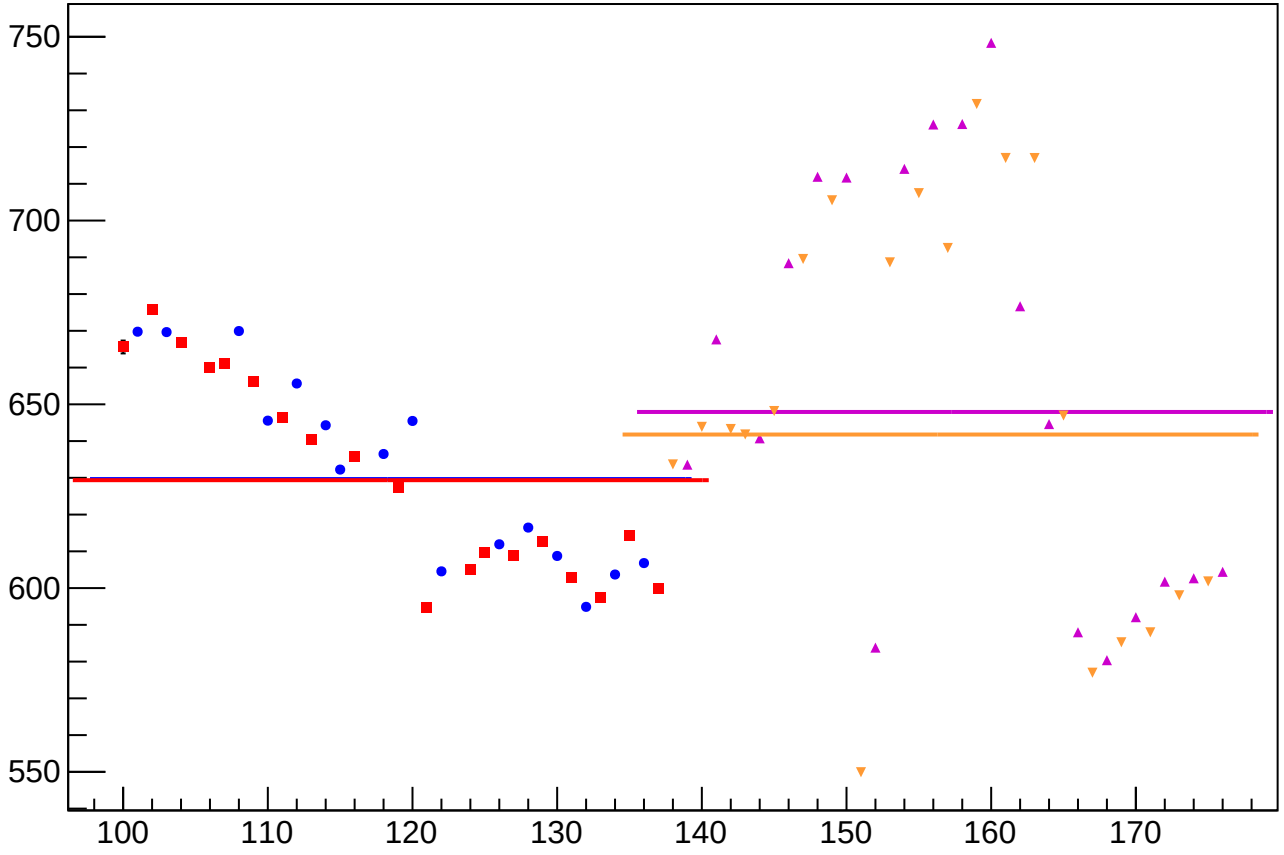
Left In: -20.571+/-0.165 χ^2/NDF:6781.2/18

+ sign 16.045+/-0.133 χ^2/NDF: 54224.3/35

All: 6.174+/-0.094 χ^2/NDF: 115134.5/73

- sign -3.843+/-0.134 χ^2/NDF: 49832.9/37

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 641.783+/-0.114 χ^2/NDF:227054.8/19

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

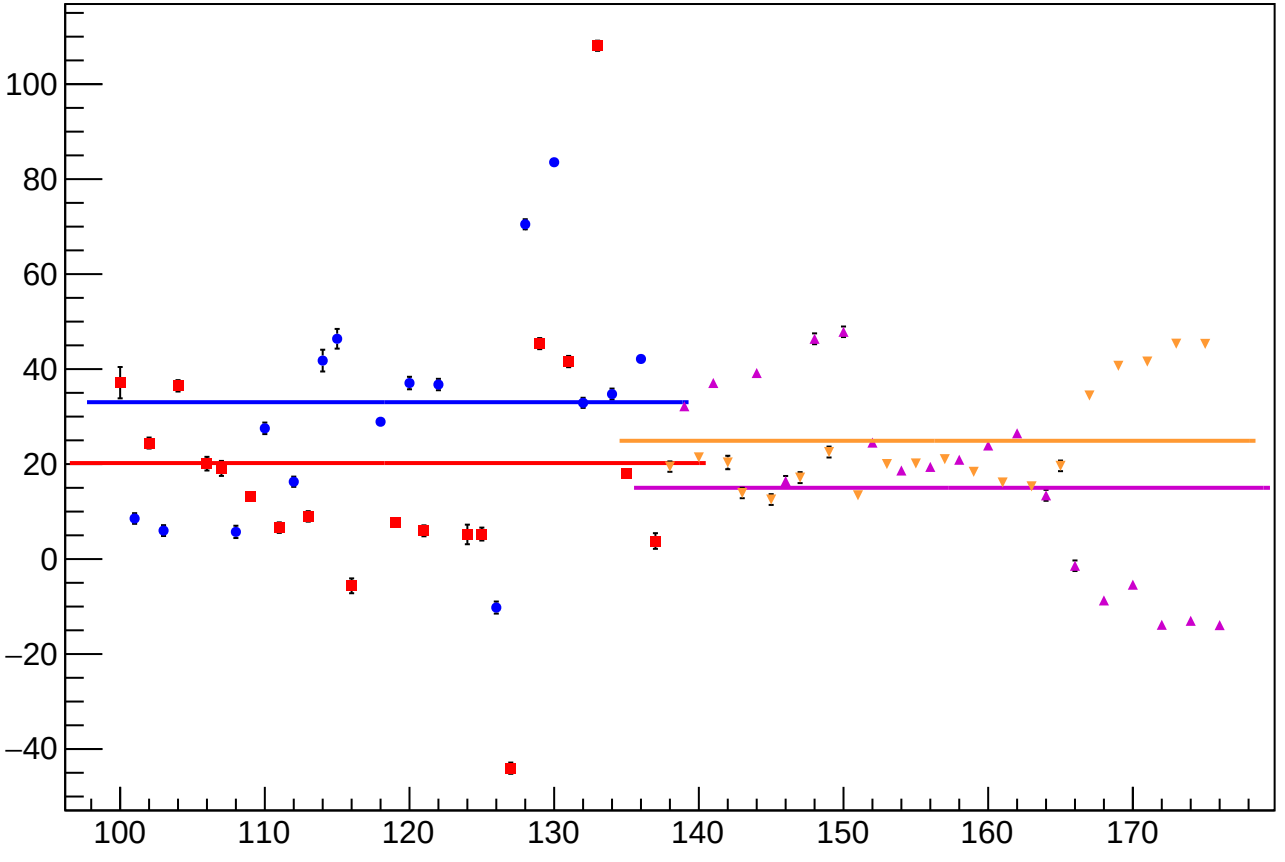
Left In: 647.922+/-0.117 χ^2/NDF:220322.1/18

+ sign 637.861+/-0.094 χ^2/NDF: 255999.9/35

All: 639.714+/-0.067 χ^2/NDF: 512502.8/73

- sign 641.594+/-0.095 χ^2/NDF: 255722.2/37

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 24.906+/-0.230 χ^2/NDF:2385.5/19

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

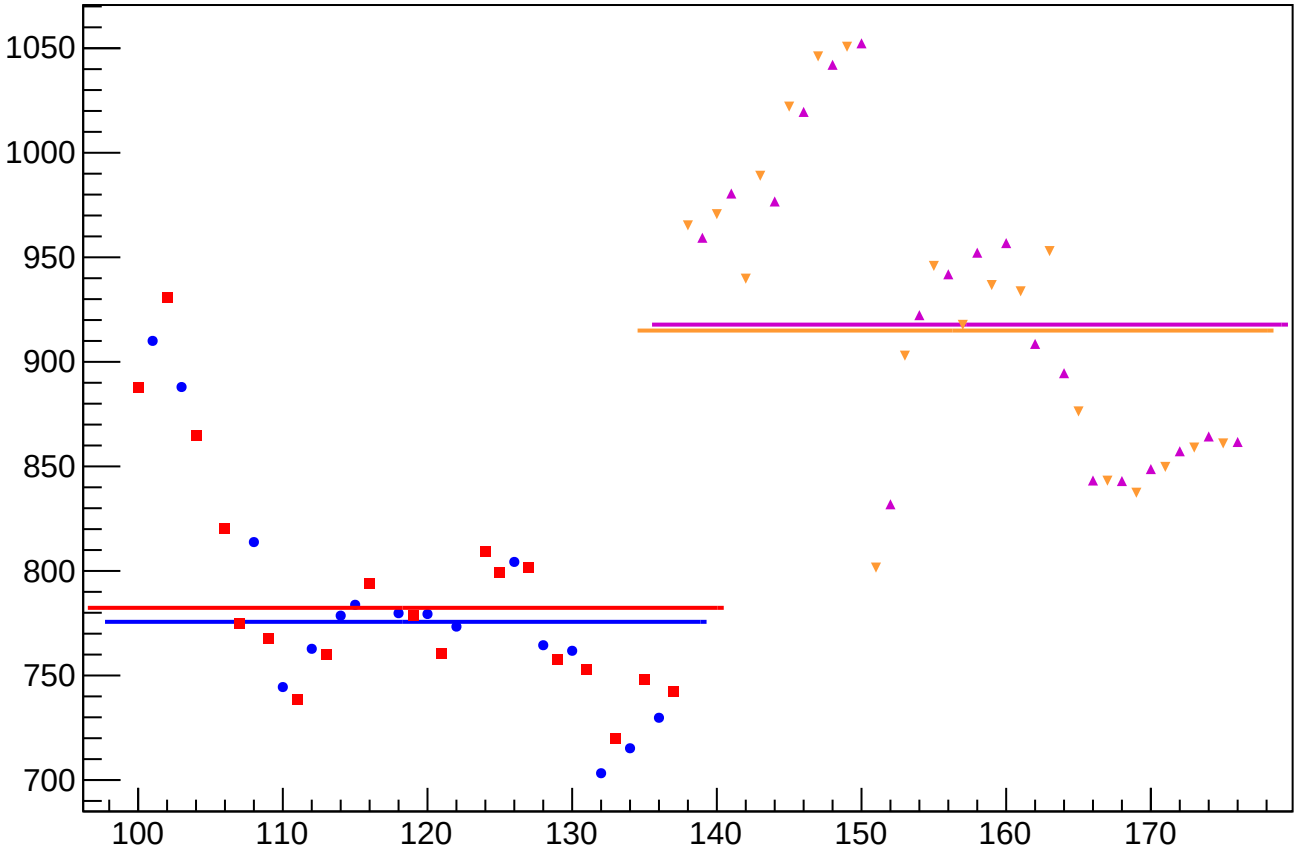
Left In: 15.006+/-0.234 χ^2/NDF:7205.4/18

\+ sign 28.066+/-0.180 χ^2/NDF: 9569.3/35

All: 22.603+/-0.128 χ^2/NDF: 30690.9/73

\- sign 17.091+/-0.181 χ^2/NDF: 19274.1/37

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 914.972+/-0.163 χ^2/NDF:182072.8/19

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

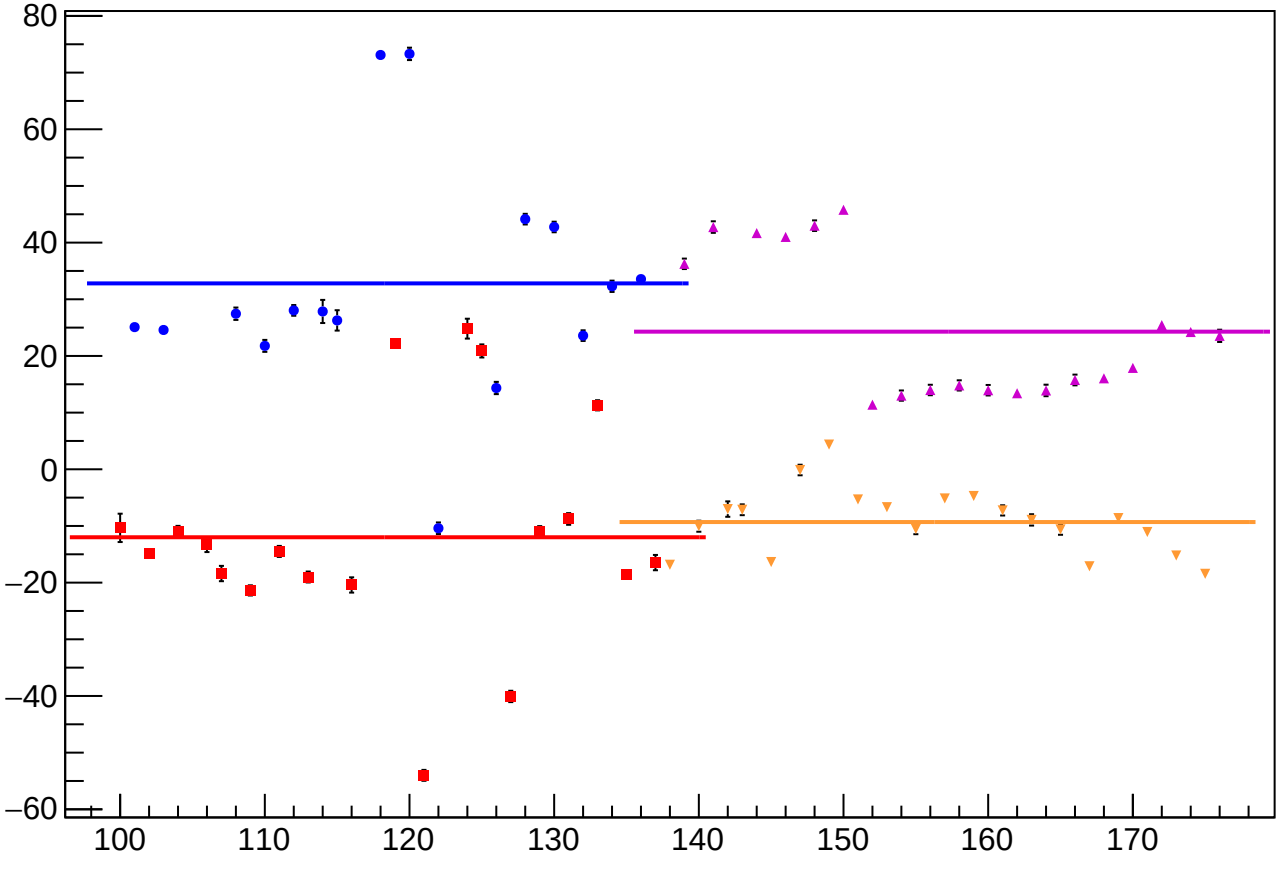
Left In: 917.816+/-0.165 χ^2/NDF:167058.0/18

+ sign 860.807+/-0.127 χ^2/NDF: 540942.2/35

All: 862.190+/-0.090 χ^2/NDF: 1041912.5/73

- sign 863.585+/-0.128 χ^2/NDF: 500733.6/37

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -9.309+/-0.197 χ^2/NDF:843.5/19

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

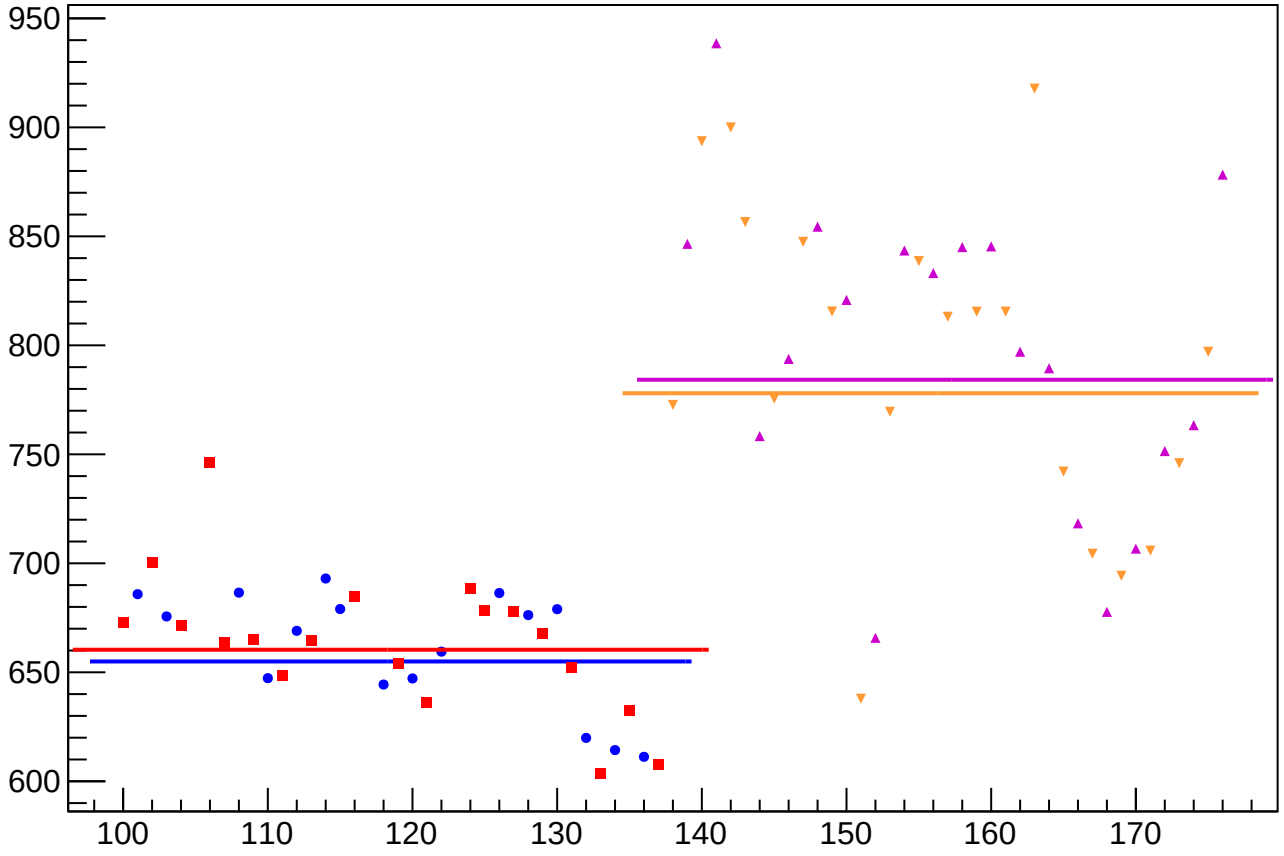
Left In: 24.286+/-0.200 χ^2/NDF:3742.0/18

+ sign 7.318+/-0.153 χ^2/NDF: 25201.7/35

All: 8.381+/-0.109 χ^2/NDF: 48987.8/73

- sign 9.460+/-0.154 χ^2/NDF: 23688.8/37

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 778.024+/-0.139 χ^2/NDF:276681.9/19

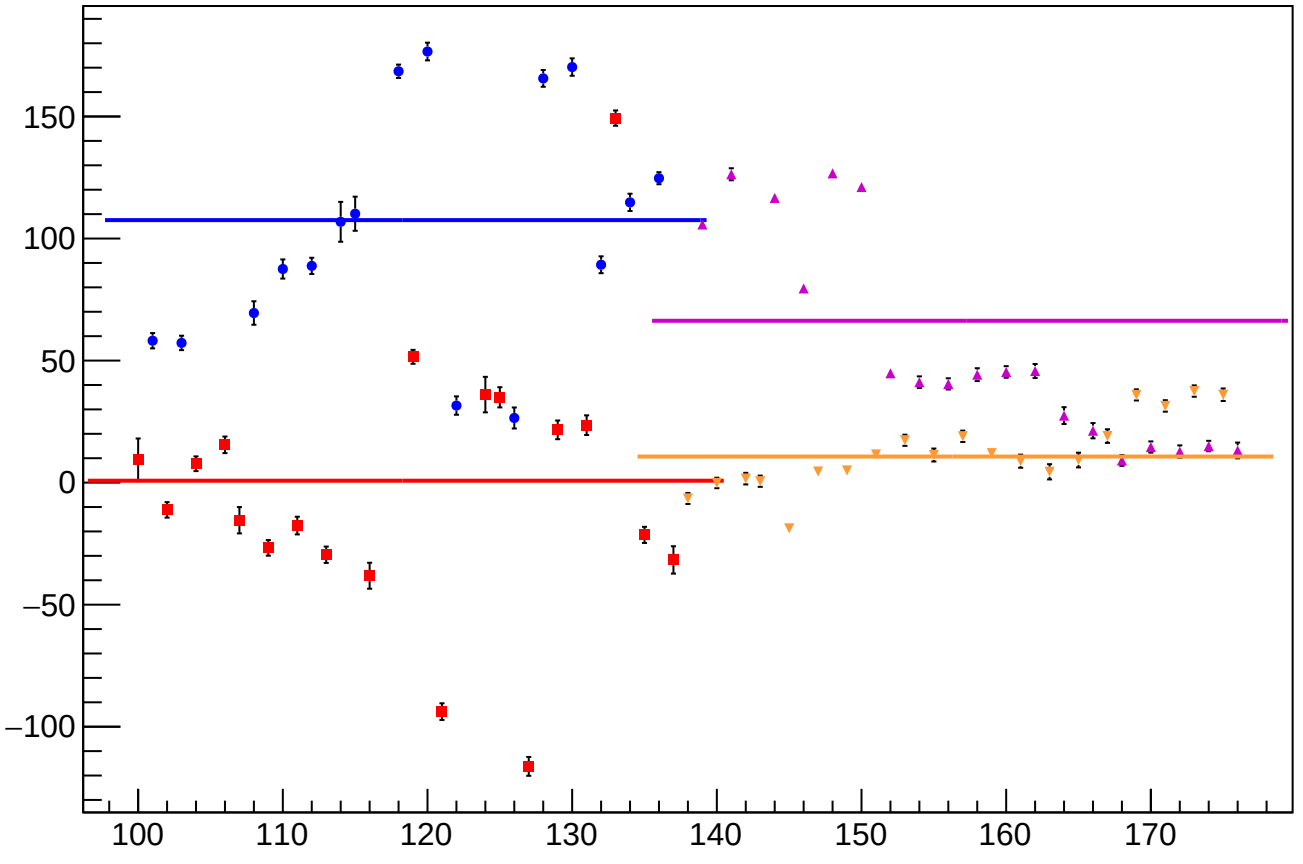
Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 784.224+/-0.142 χ^2/NDF:249903.2/18

+ sign 729.442+/-0.108 χ^2/NDF: 612495.8/35

All: 731.508+/-0.077 χ^2/NDF: 1205670.3/73

- sign 733.606+/-0.109 χ^2/NDF: 592439.3/37



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 10.689+/-0.504 χ^2/NDF:830.5/19

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

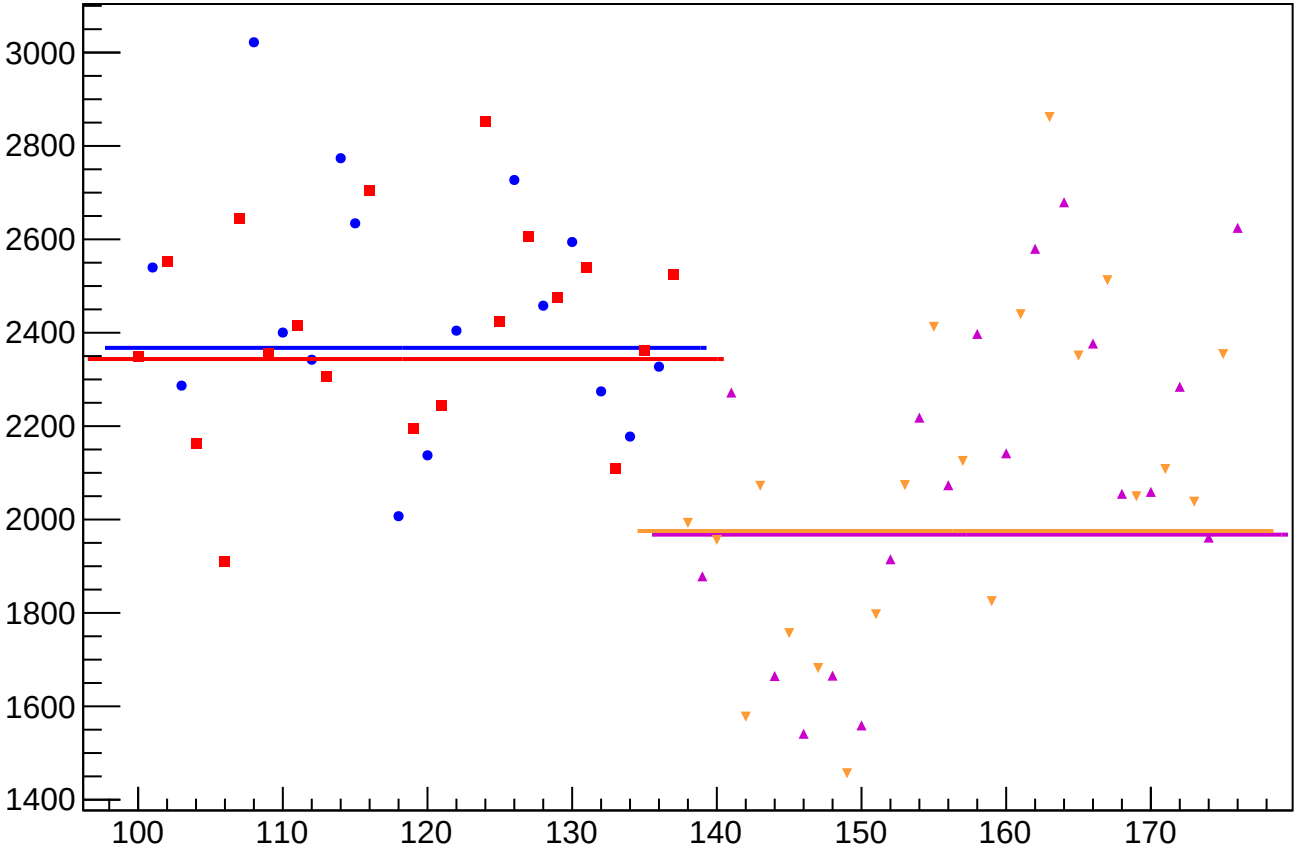
Left In: 66.311+/-0.509 χ^2/NDF:7348.3/18

+ sign 34.415+/-0.438 χ^2/NDF: 12823.6/35

All: 41.861+/-0.310 χ^2/NDF: 29804.8/73

- sign 49.315+/-0.438 χ^2/NDF: 16403.3/37

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1975.391+/-0.357 χ^2/NDF:817740.6/19

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

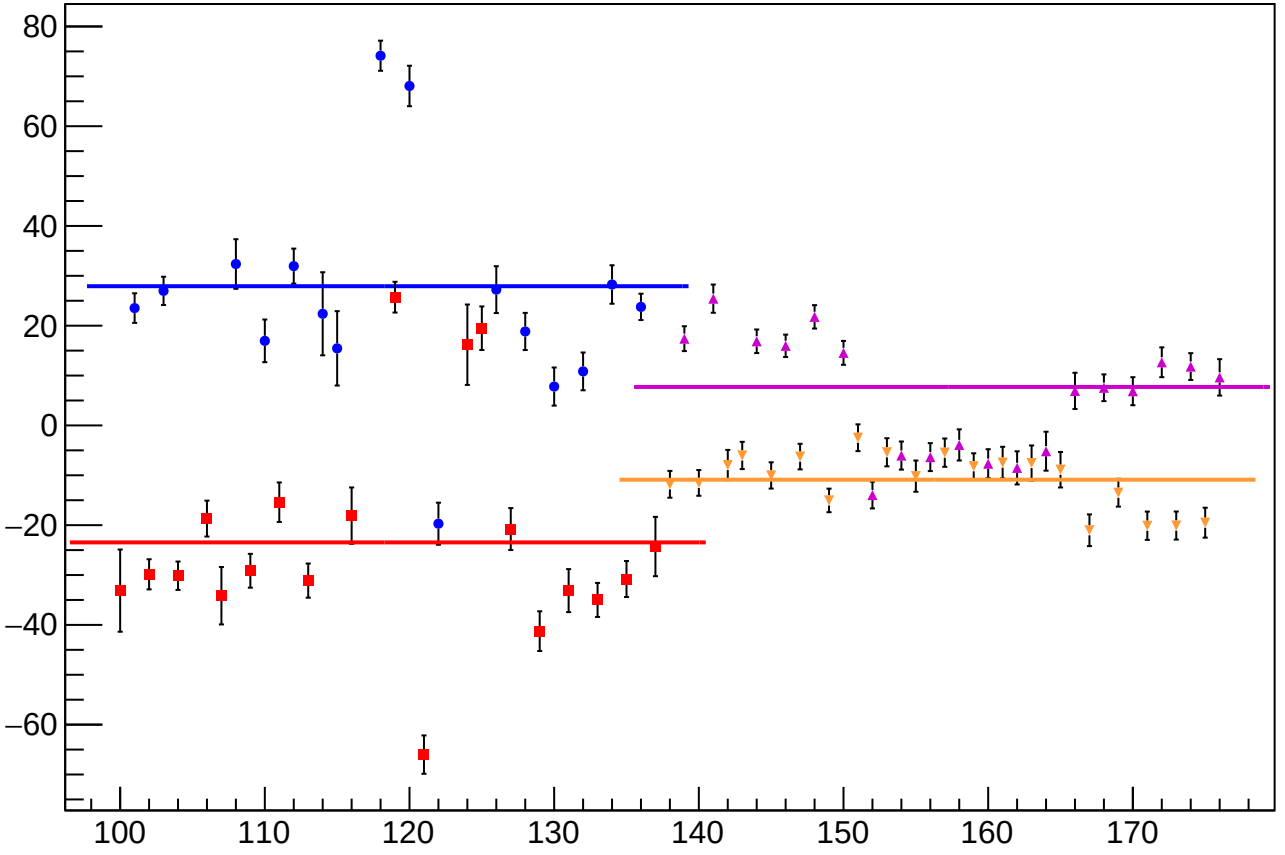
Left In: 1967.652+/-0.360 χ^2/NDF:827515.6/18

+ sign 2071.471+/-0.310 χ^2/NDF: 1240916.3/35

All: 2068.335+/-0.219 χ^2/NDF: 2463588.5/73

- sign 2065.196+/-0.310 χ^2/NDF: 1222467.2/37

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -10.883+/-0.633 χ^2/NDF:72.1/19

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

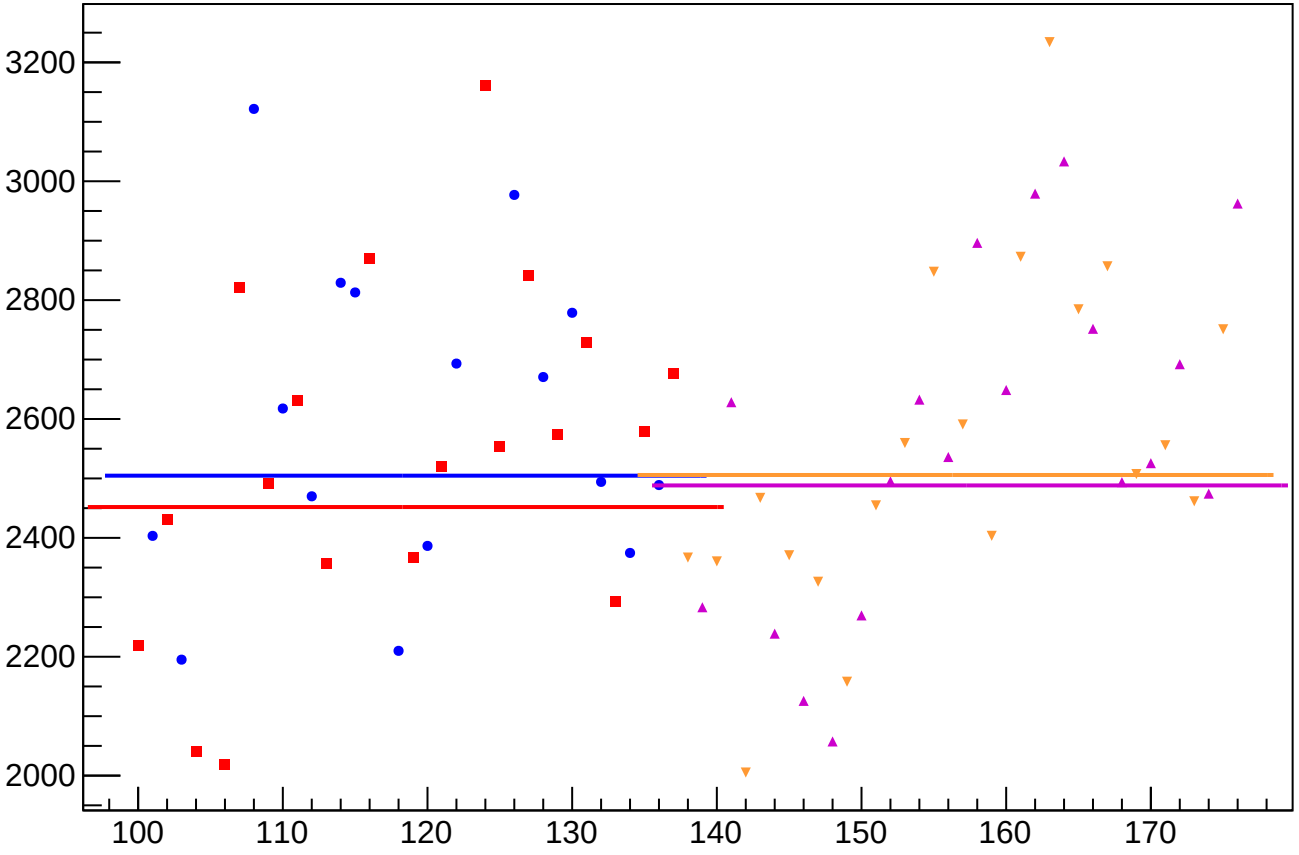
Left In: 7.714+/-0.638 χ^2/NDF:323.2/18

\+ sign 1.288+/-0.525 χ^2/NDF: 1780.1/35

All: -0.708+/-0.370 χ^2/NDF: 3494.9/73

\- sign -2.678+/-0.521 χ^2/NDF: 1686.0/37

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2505.801+/-0.448 χ^2/NDF:318439.0/19

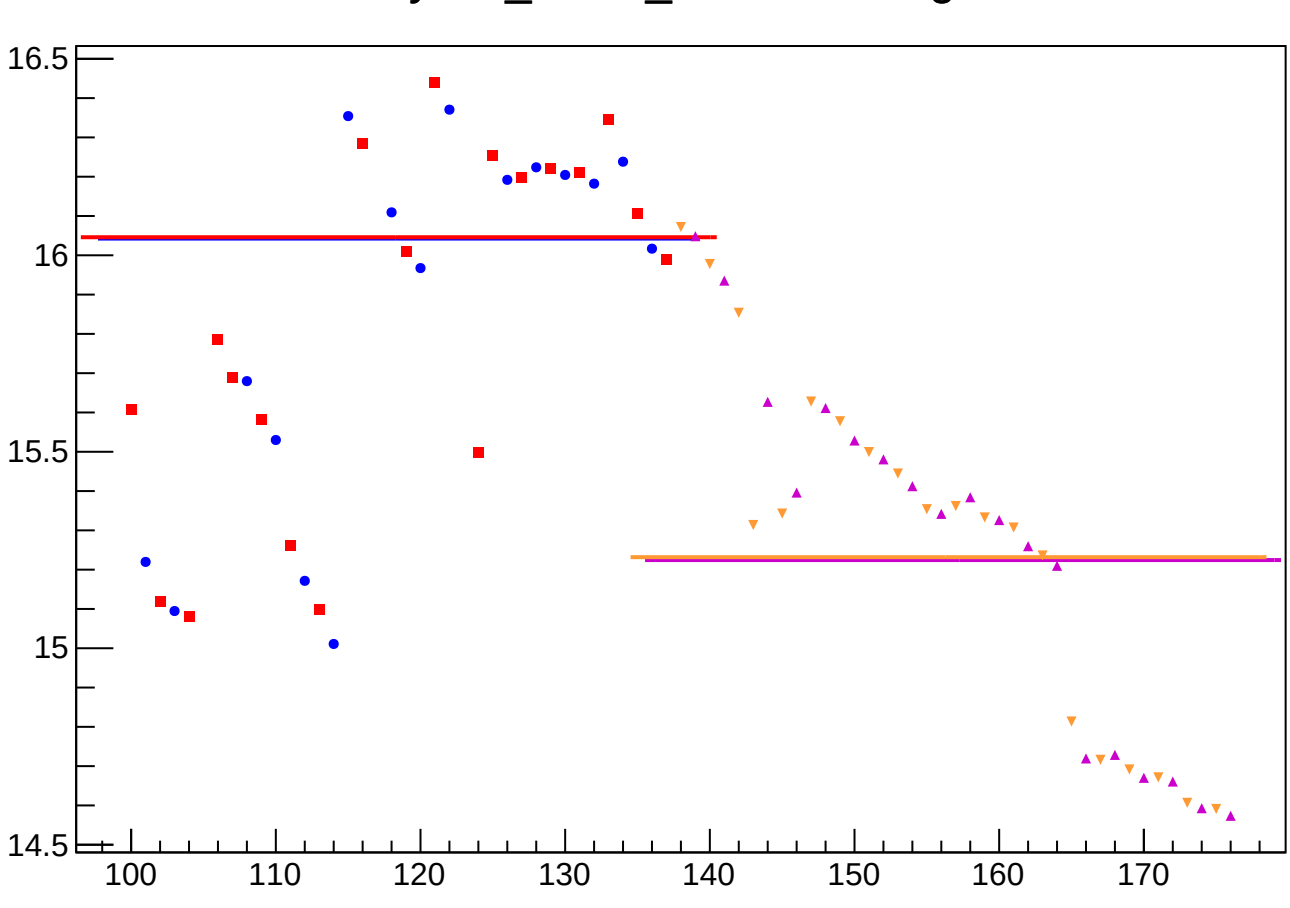
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2488.237+/-0.451 χ^2/NDF:359566.6/18

+ sign 2505.441+/-0.371 χ^2/NDF: 445040.1/35

All: 2490.681+/-0.261 χ^2/NDF: 963151.8/73

- sign 2476.116+/-0.369 χ^2/NDF: 514966.9/37



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.232+/-0.000 χ^2/NDF:27933345458.9/19

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

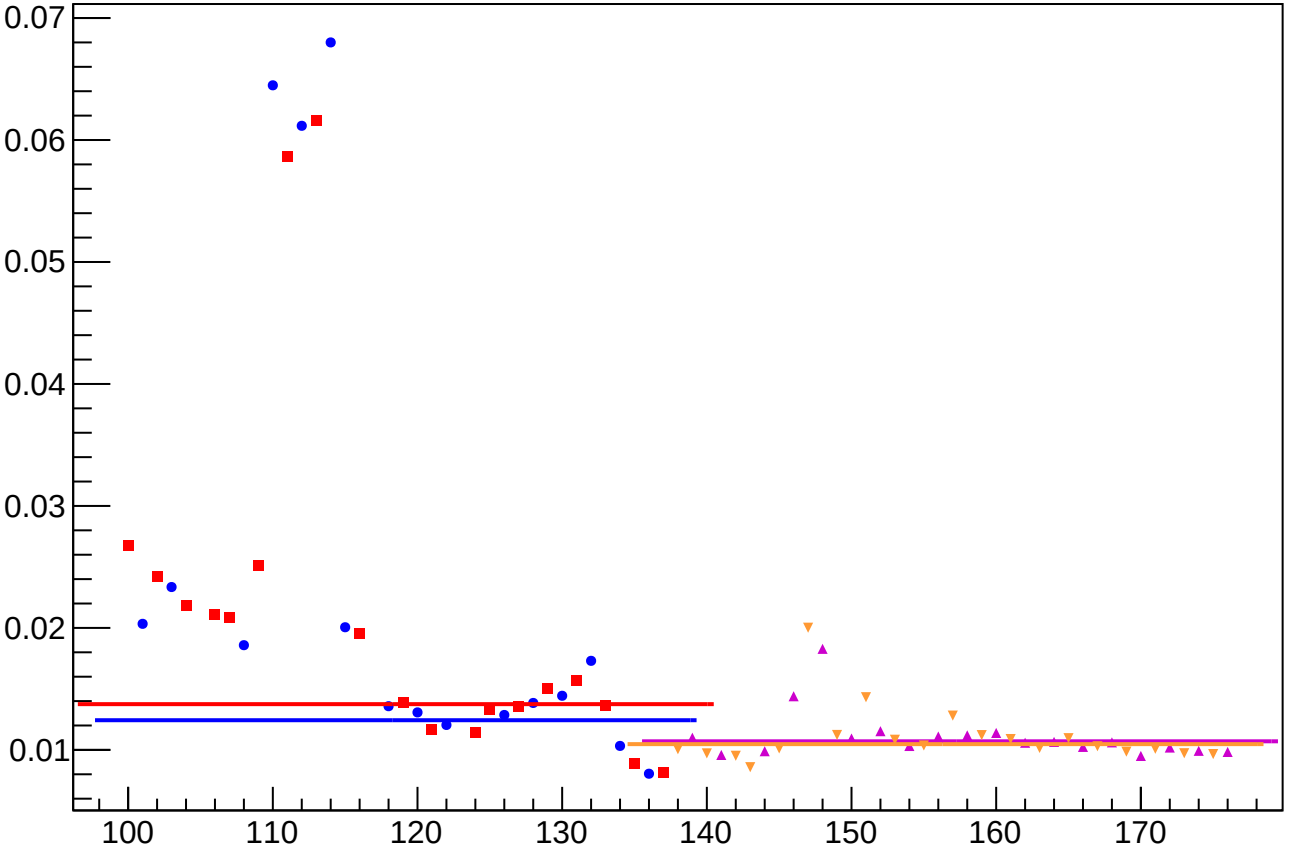
Left In: 15.224+/-0.000 χ^2/NDF:27012657865.6/18

+ sign 15.401+/-0.000 χ^2/NDF: 49301205679.2/35

All: 15.392+/-0.000 χ^2/NDF: 96311754688.9

- sign 15.382+/-0.000 χ^2/NDF: 46980448226.2/37

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:675418.9/19

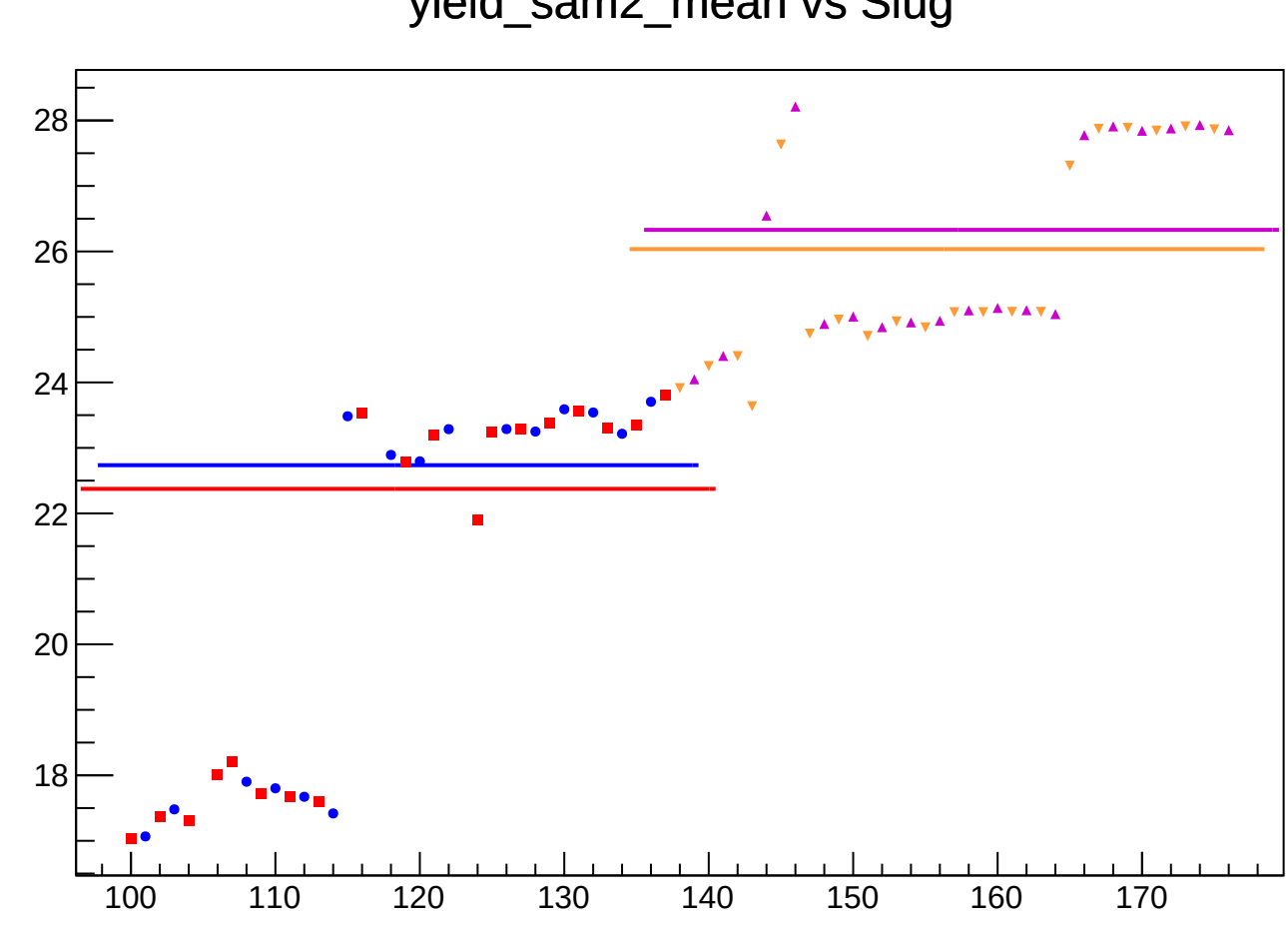
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:487469.3/18

+ sign 0.011+/-0.000 χ^2/NDF: 3208855.0/35

All: 0.011+/-0.000 χ^2/NDF: 6405430.5/73

- sign 0.011+/-0.000 χ^2/NDF: 3169620.1/37



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.036+/-0.000 χ^2/NDF:2900345011.0/19

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

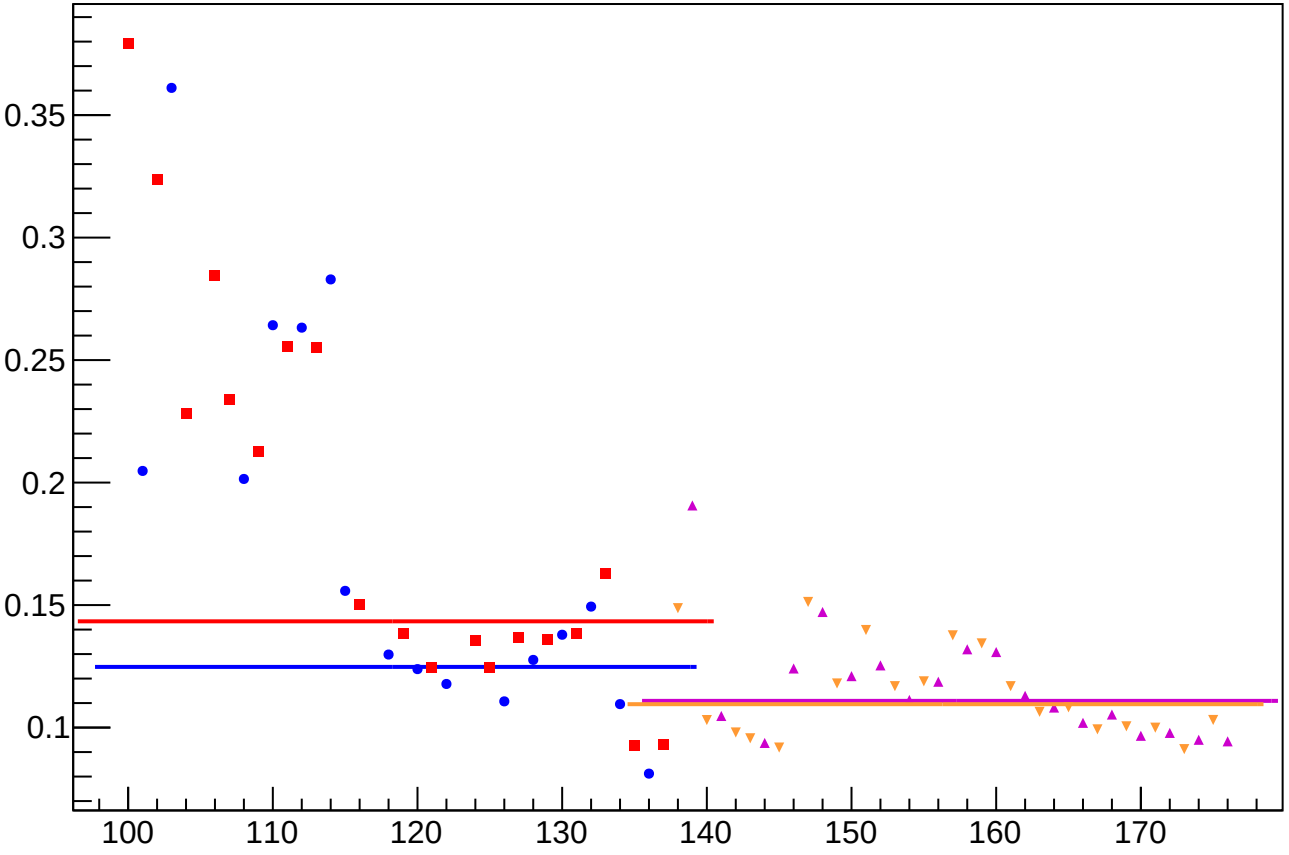
Left In: 26.329+/-0.000 χ^2/NDF:2317072759.4/18

\+ sign 25.265+/-0.000 χ^2/NDF: 6988097882.8/35

All: 25.385+/-0.000 χ^2/NDF: 14037190392.7

\- sign 25.516+/-0.000 χ^2/NDF: 7004774806.6/37

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.110+/-0.000 χ^2/NDF:616082.4/19

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

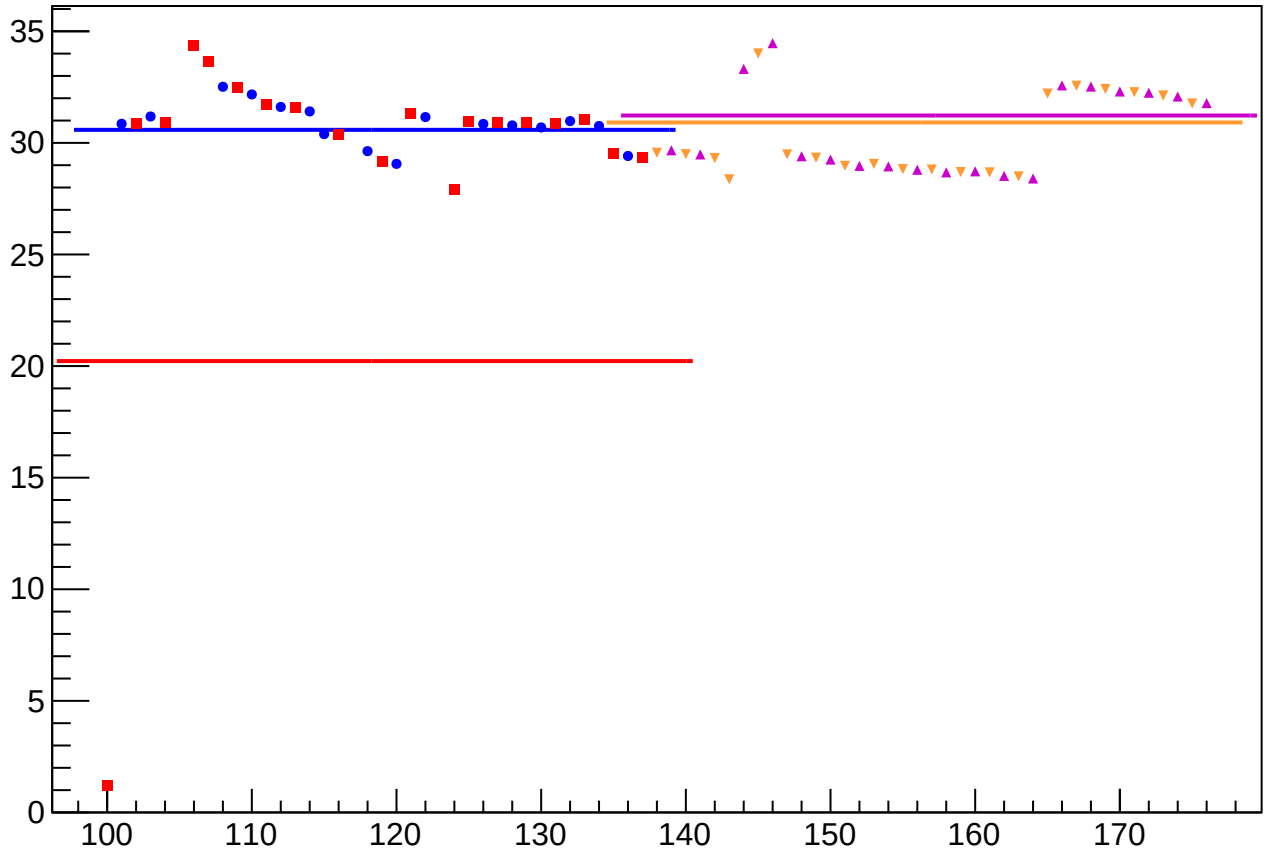
Left In: 0.111+/-0.000 χ^2/NDF:714963.7/18

+ sign 0.113+/-0.000 χ^2/NDF: 2487840.0/35

All: 0.115+/-0.000 χ^2/NDF: 5269375.9/73

- sign 0.118+/-0.000 χ^2/NDF: 2753190.5/37

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.914+/-0.000 χ^2/NDF:11608178751.1/19

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

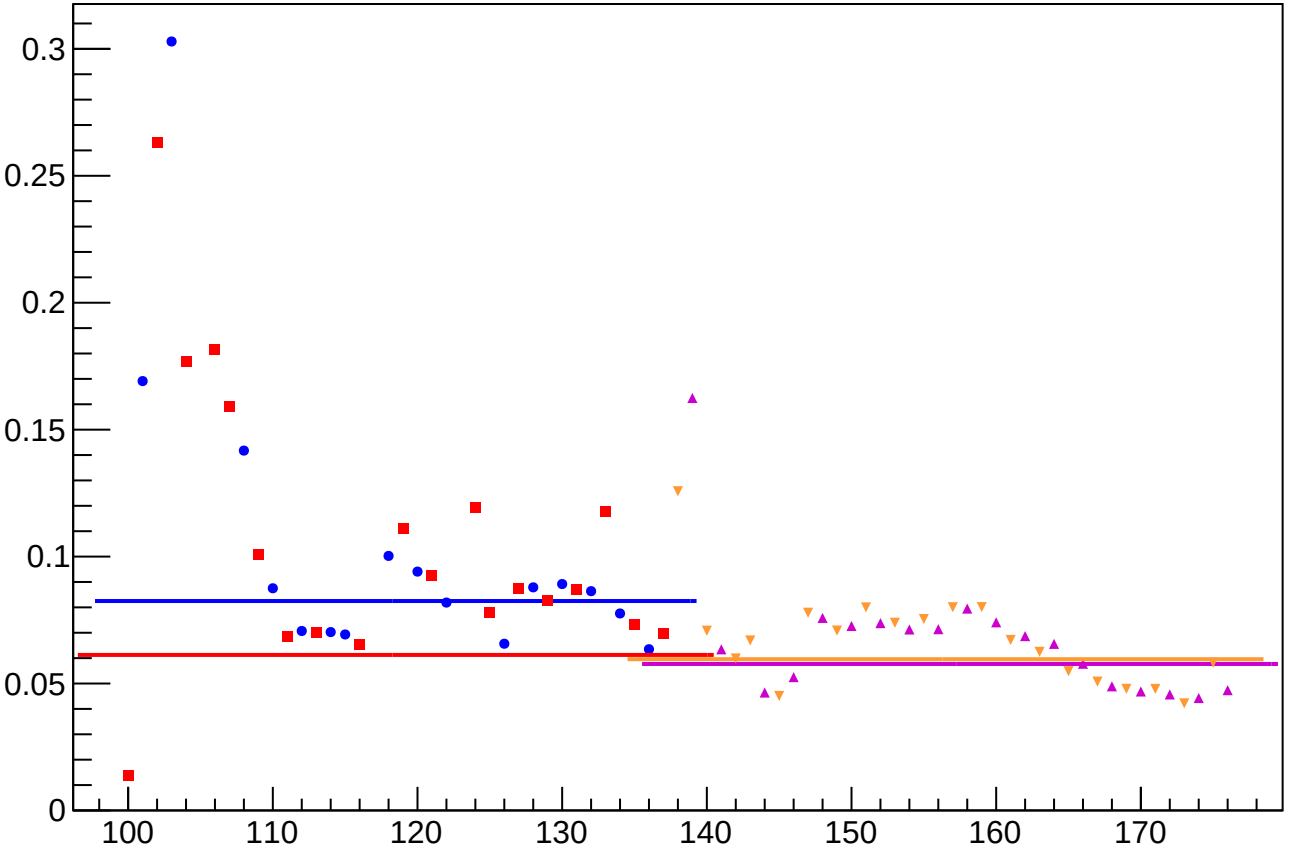
Left In: 31.226+/-0.000 χ^2/NDF:12556528921.7/18

+ sign 30.853+/-0.000 χ^2/NDF: 12328911351.7/35

All: 29.671+/-0.000 χ^2/NDF: 357421386894.

- sign 28.601+/-0.000 χ^2/NDF: 334099949767.7/37

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.060+/-0.000 χ^2/NDF:1450142.7/19

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

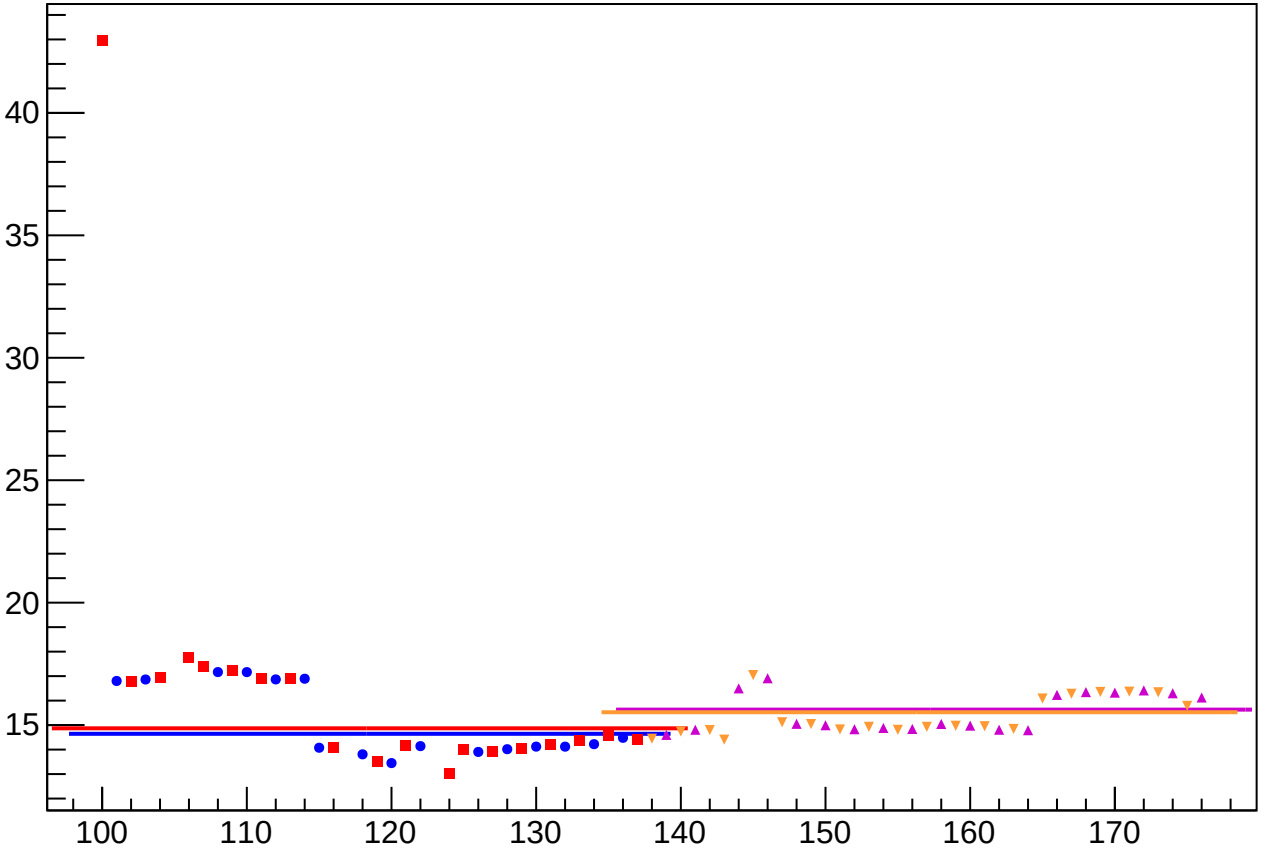
Left In: 0.058+/-0.000 χ^2/NDF:1695035.0/18

+ sign 0.064+/-0.000 χ^2/NDF: 3372371.3/35

All: 0.061+/-0.000 χ^2/NDF: 9225568.1/73

- sign 0.059+/-0.000 χ^2/NDF: 5730394.1/37

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.526+/-0.000 χ^2/NDF:2038455661.1/19

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

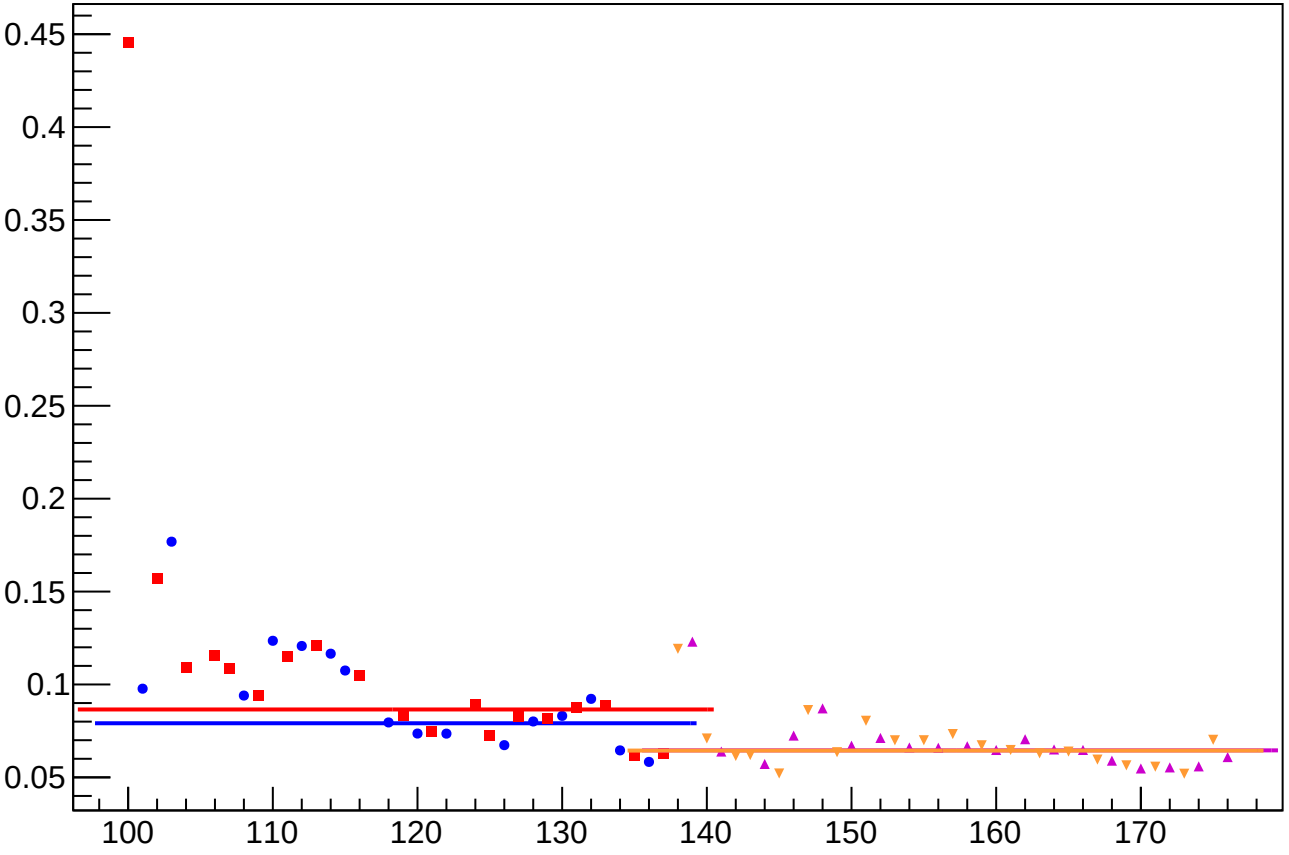
Left In: 15.632+/-0.000 χ^2/NDF:1830187094.0/18

+ sign 15.326+/-0.000 χ^2/NDF: 3795910667.8/35

All: 15.398+/-0.000 χ^2/NDF: 7780182109.8/7

- sign 15.474+/-0.000 χ^2/NDF: 3939881550.4/37

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.064+/-0.000 χ^2/NDF:744682.8/19

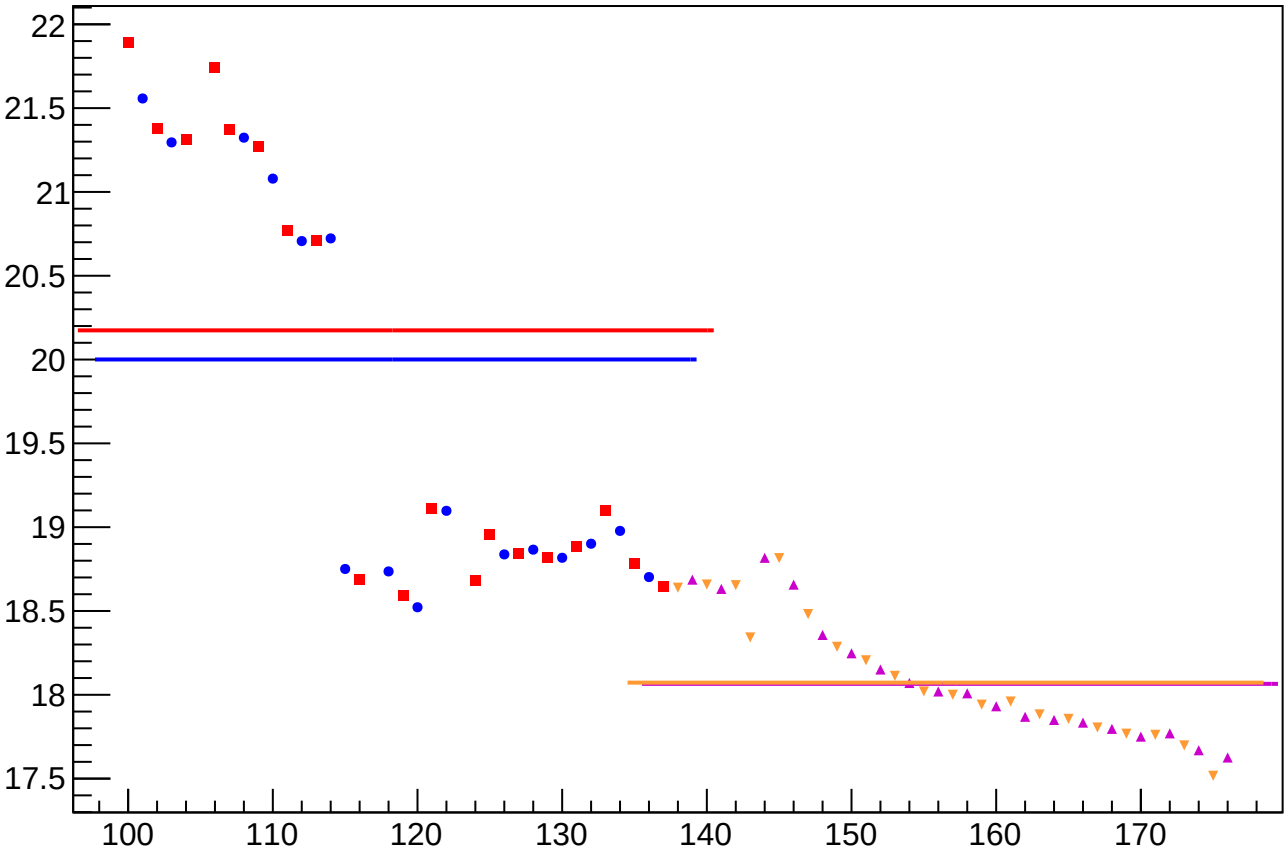
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.065+/-0.000 χ^2/NDF:678895.4/18

+ sign 0.068+/-0.000 χ^2/NDF: 1976761.0/35

All: 0.068+/-0.000 χ^2/NDF: 4086677.0/73

- sign 0.069+/-0.000 χ^2/NDF: 2102653.0/37



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.073+/-0.000 χ^2/NDF:1979992120.8/19

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

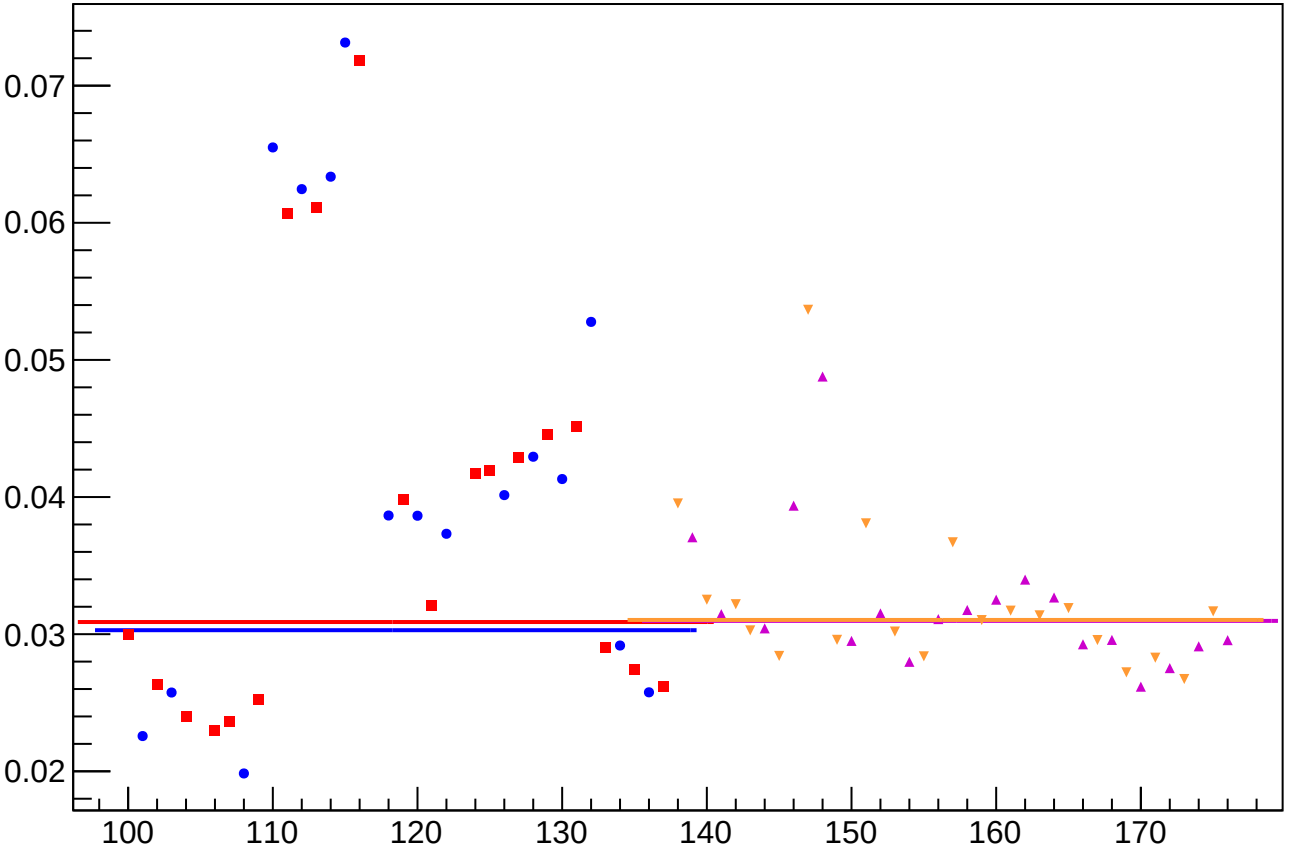
Left In: 18.065+/-0.000 χ^2/NDF:1942643404.2/18

+ sign 18.641+/-0.000 χ^2/NDF: 29892091857.7/35

All: 18.668+/-0.000 χ^2/NDF: 62621388823.1

- sign 18.696+/-0.000 χ^2/NDF: 32696759241.9/37

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.031+/-0.000 χ^2/NDF:573331.0/19

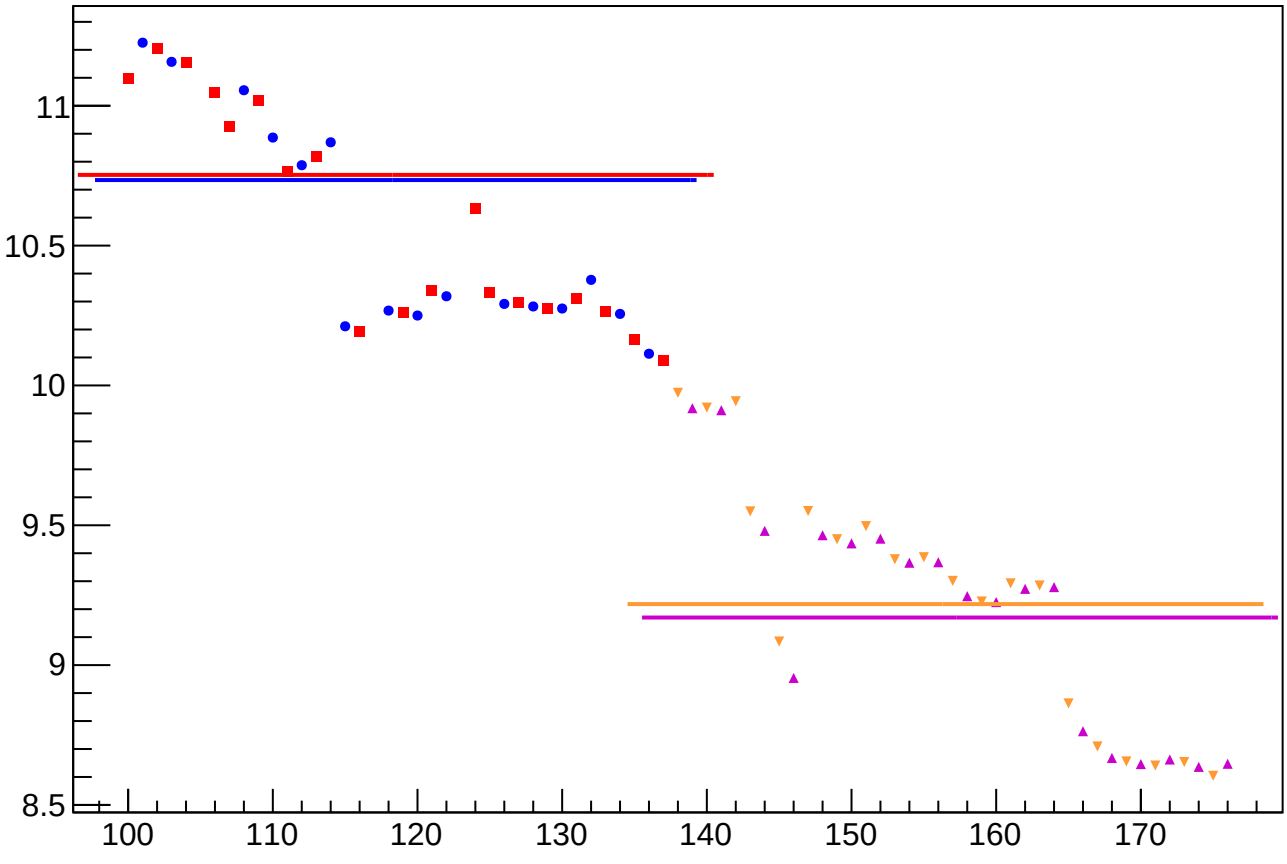
Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:469222.1/18

+ sign 0.031+/-0.000 χ^2/NDF: 2025820.3/35

All: 0.031+/-0.000 χ^2/NDF: 3700186.5/73

- sign 0.031+/-0.000 χ^2/NDF: 1674012.7/37



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.218+/-0.000 χ^2/NDF:7141074092.1/19

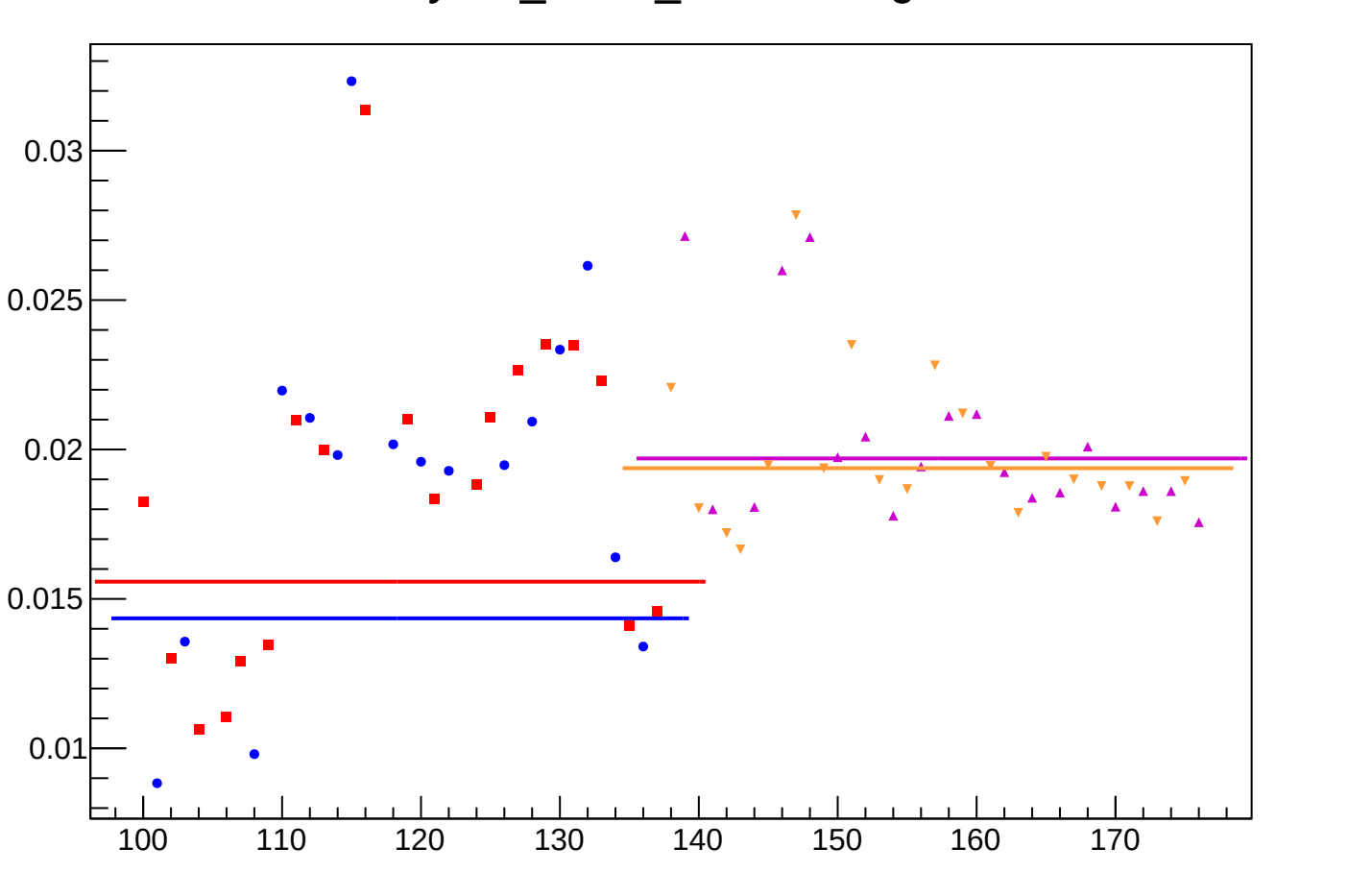
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.170+/-0.000 χ^2/NDF:6004496890.0/18

+ sign 9.853+/-0.000 χ^2/NDF: 49908617118.1/35

All: 9.839+/-0.000 χ^2/NDF: 97760878026.9/7

- sign 9.825+/-0.000 χ^2/NDF: 47825822431.5/37



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:354211.1/19

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

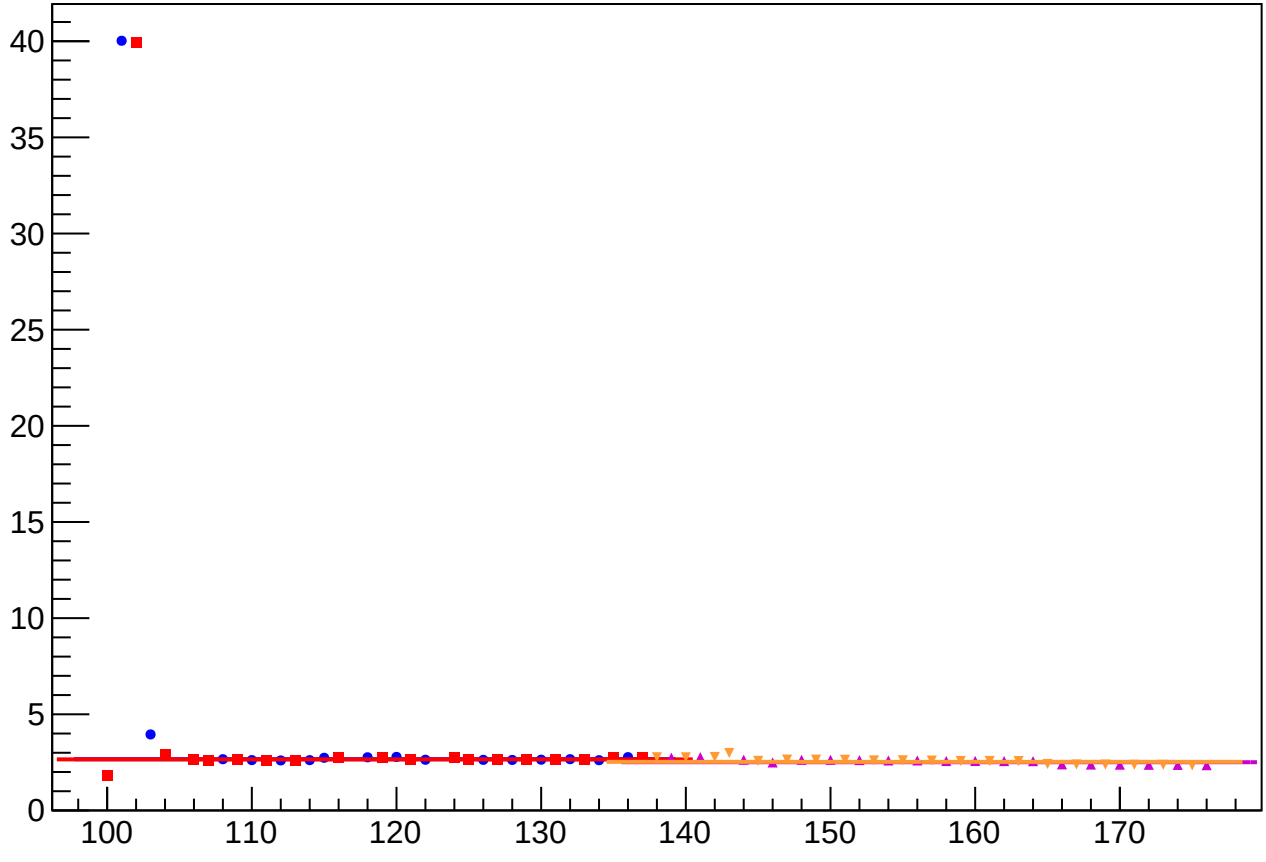
Left In: 0.020+/-0.000 χ^2/NDF:451547.1/18

+ sign 0.017+/-0.000 χ^2/NDF: 2646573.4/35

All: 0.018+/-0.000 χ^2/NDF: 4712547.8/73

- sign 0.018+/-0.000 χ^2/NDF: 2032413.1/37

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.527+/-0.000 χ^2/NDF:72398830327.4/19

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

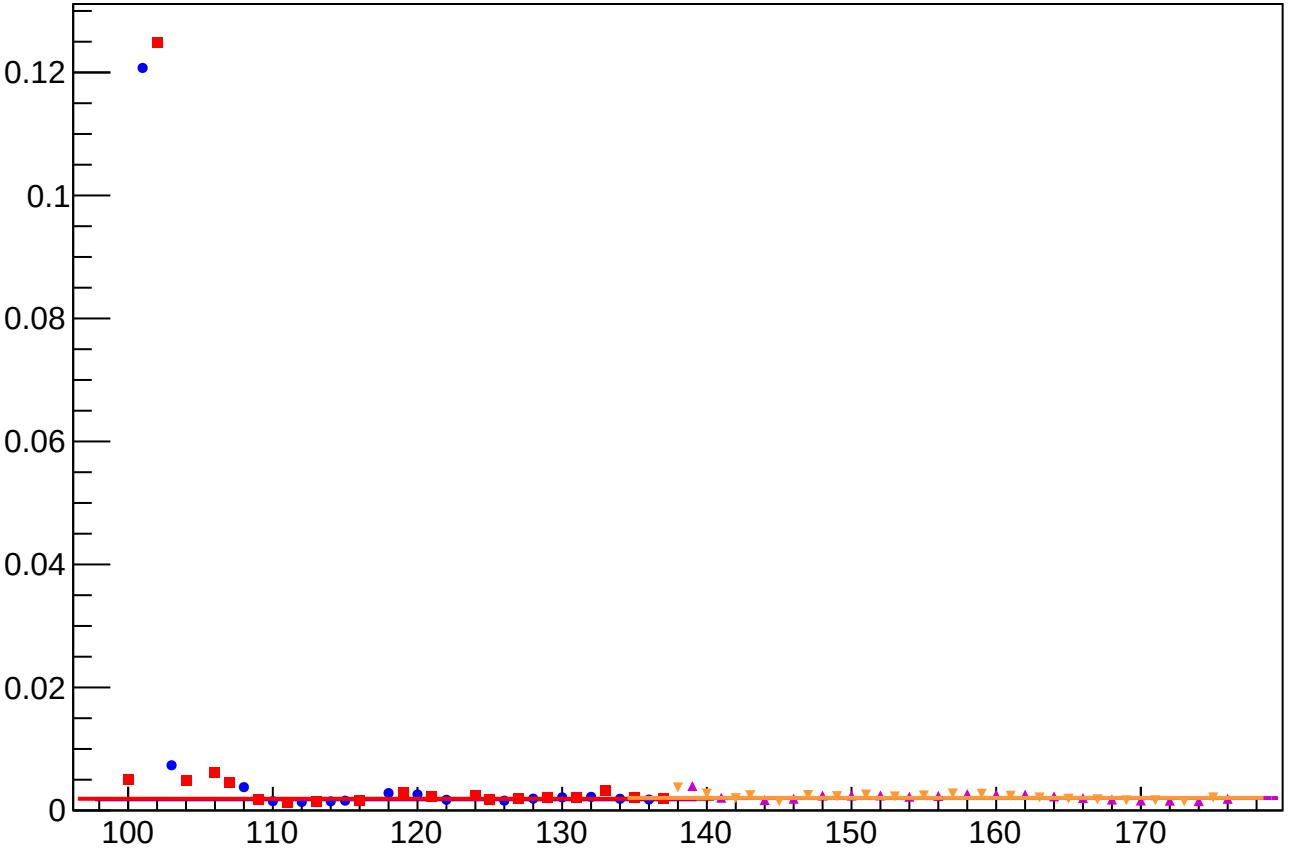
Left In: 2.508+/-0.000 χ^2/NDF:51078111721.5/18

+ sign 2.571+/-0.000 χ^2/NDF: 158446599710.6/35

All: 2.563+/-0.000 χ^2/NDF: 296309008521.0

- sign 2.555+/-0.000 χ^2/NDF: 137262915228.7/37

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:1372247.0/19

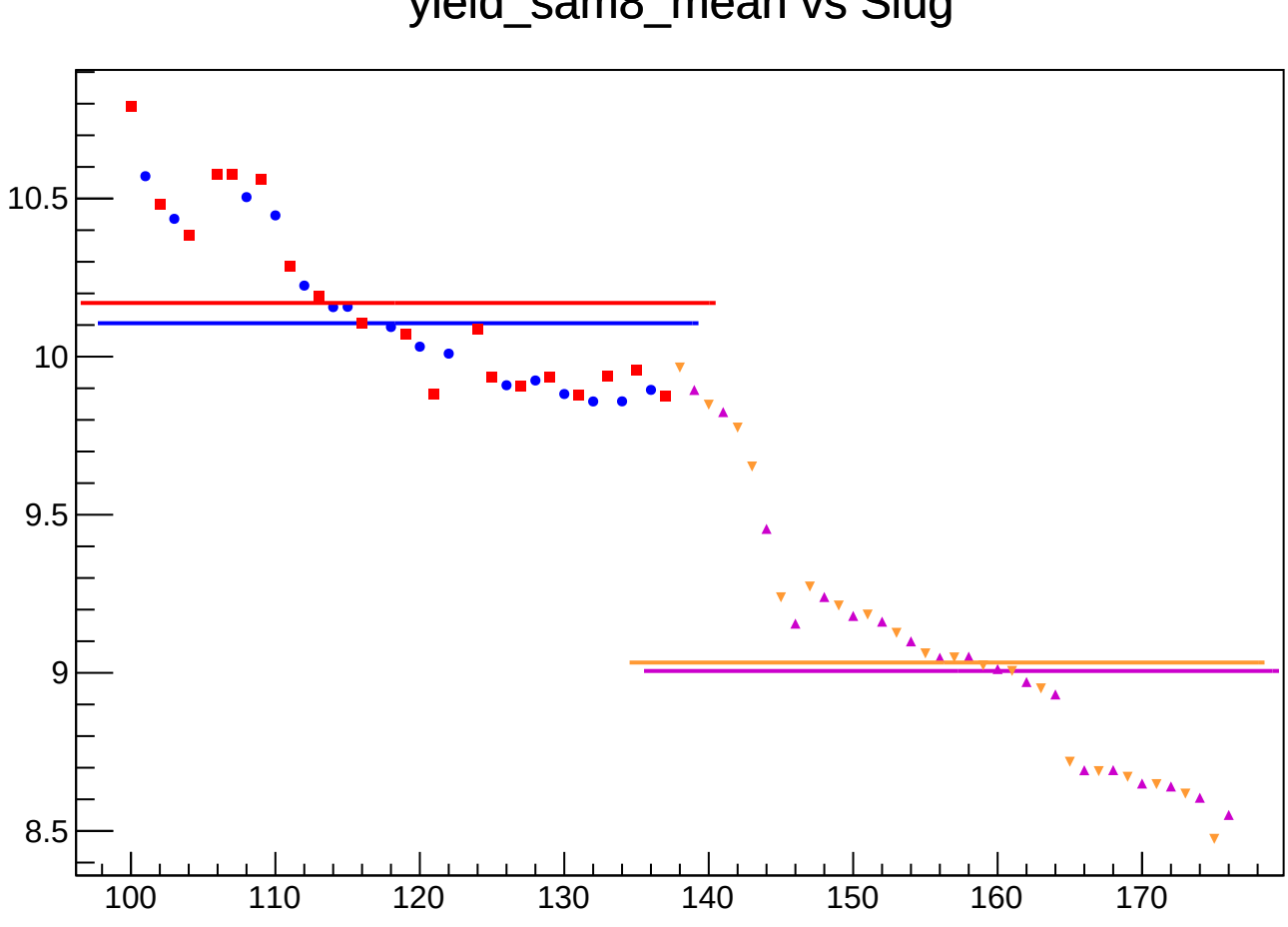
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1213661.7/18

+ sign 0.002+/-0.000 χ^2/NDF: 3297710.3/35

All: 0.002+/-0.000 χ^2/NDF: 7064511.1/73

- sign 0.002+/-0.000 χ^2/NDF: 3766277.5/37



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.033+/-0.000 χ^2/NDF:47461689703.6/19

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

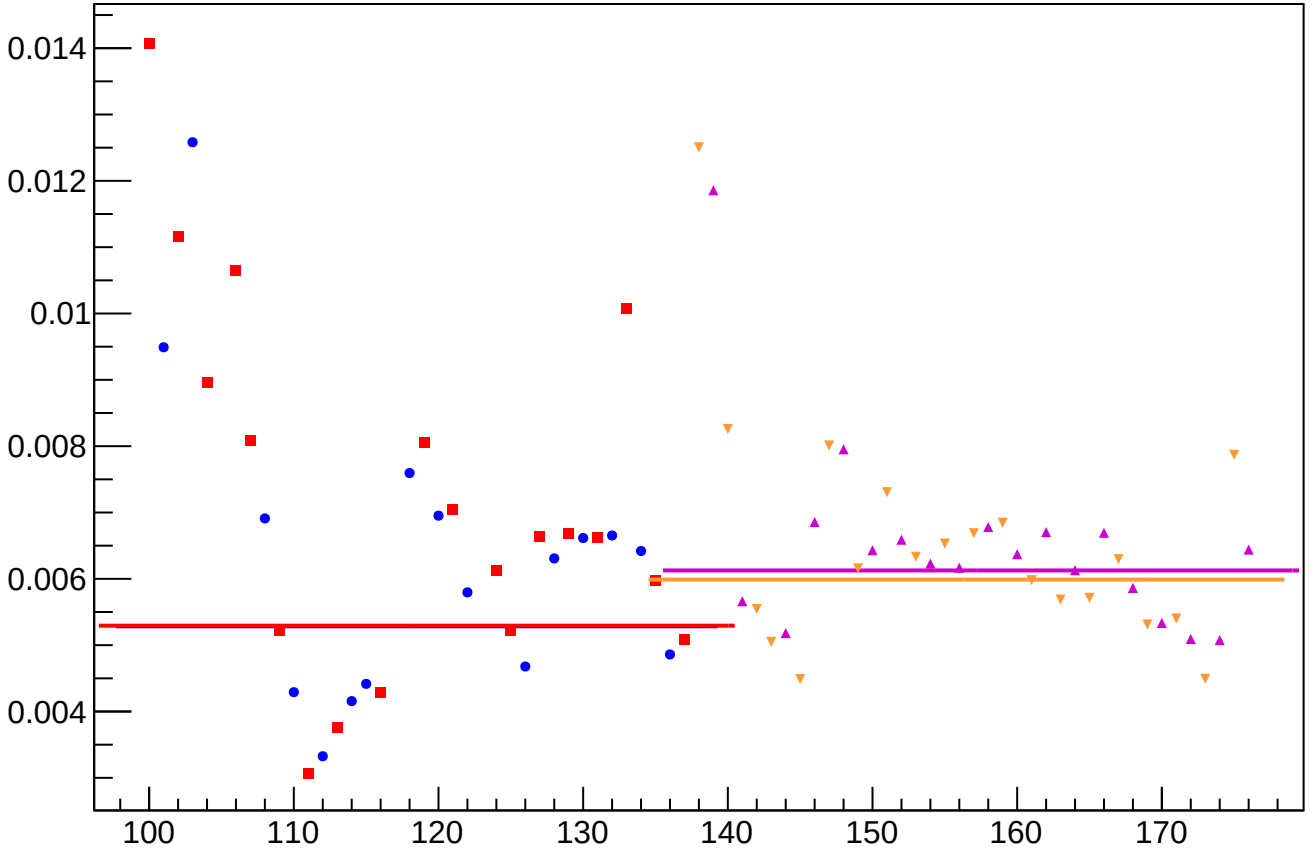
Left In: 9.006+/-0.000 χ^2/NDF:41323115180.9/18

+ sign 9.414+/-0.000 χ^2/NDF: 200232743931.8/35

All: 9.426+/-0.000 χ^2/NDF: 418234765455.1

- sign 9.439+/-0.000 χ^2/NDF: 217826697079.3/37

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:1112564.5/19

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

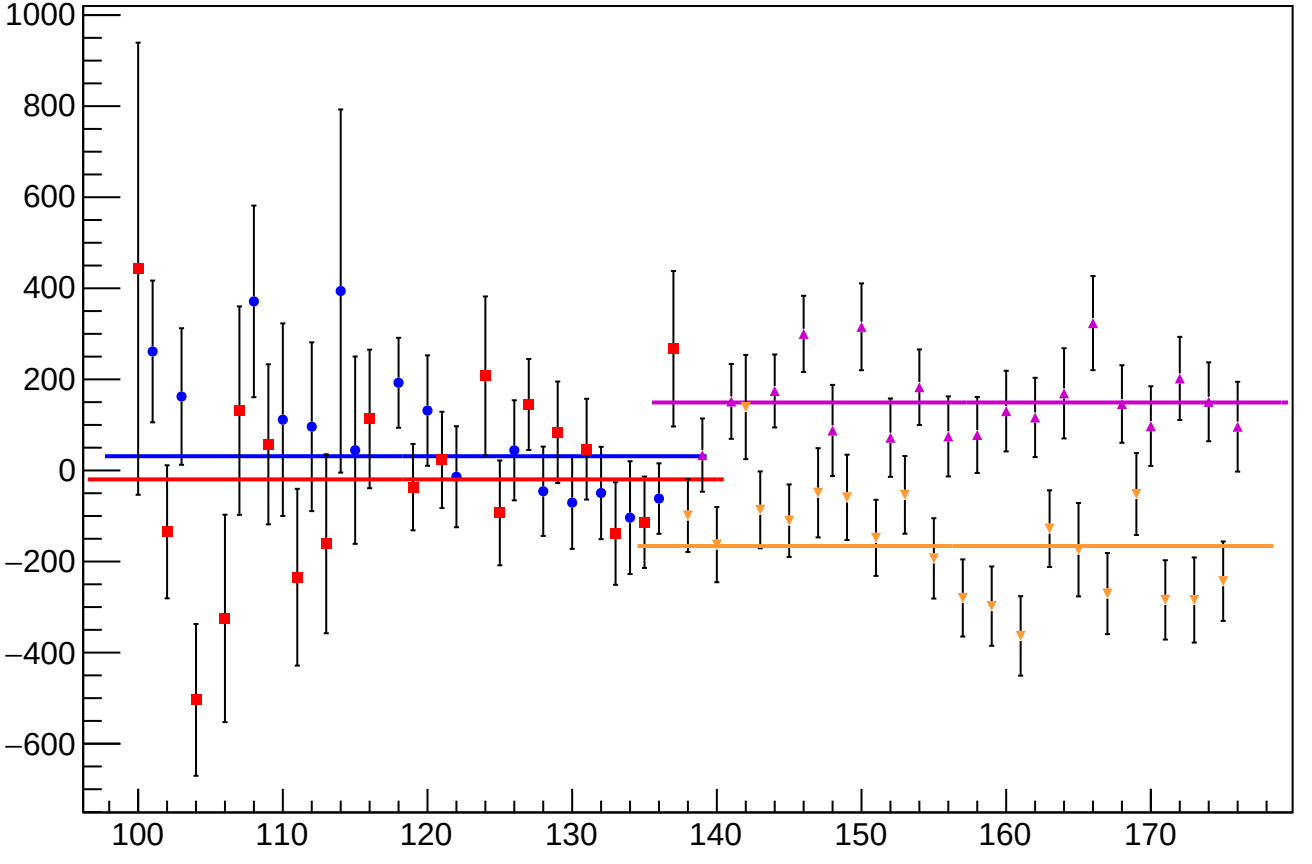
Left In: 0.006+/-0.000 χ^2/NDF:707322.9/18

+ sign 0.006+/-0.000 χ^2/NDF: 2510323.8/35

All: 0.006+/-0.000 χ^2/NDF: 5184465.6/73

- sign 0.006+/-0.000 χ^2/NDF: 2670868.1/37

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -165.928+/-19.724 χ^2/NDF:30.4/19

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

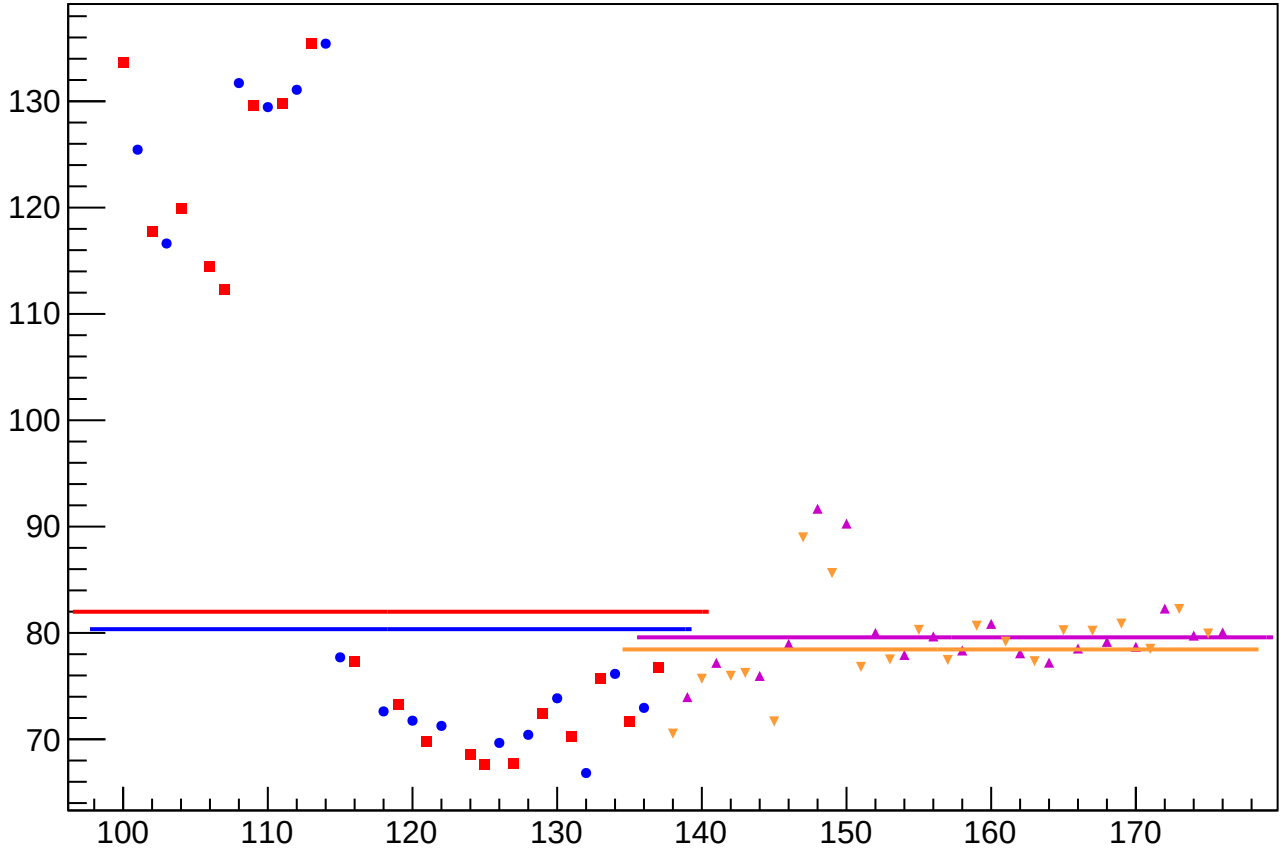
Left In: 149.297+/-20.228 χ^2/NDF:15.3/18

+ sign -108.545+/-16.608 χ^2/NDF: 74.6/35

All: -6.886+/-11.863 χ^2/NDF: 213.1/73

- sign 99.002+/-16.950 χ^2/NDF: 62.0/37

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.448+/-0.014 χ^2/NDF:84237.6/19

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

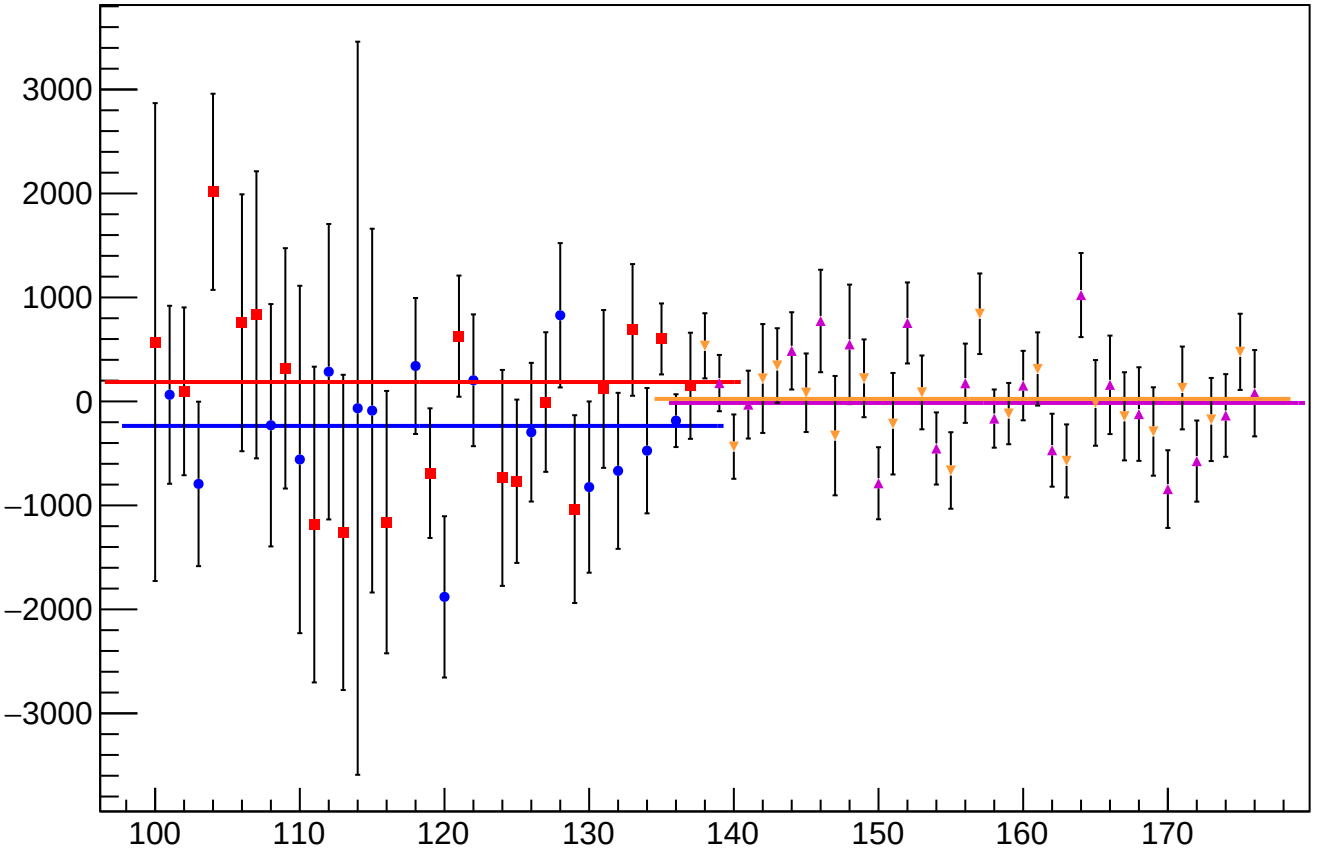
Left In: 79.587+/-0.014 χ^2/NDF:75771.2/18

+ sign 79.003+/-0.012 χ^2/NDF: 929712.4/35

All: 79.640+/-0.008 χ^2/NDF: 1952259.3/73

- sign 80.304+/-0.012 χ^2/NDF: 1016534.8/37

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 24.282+/-84.485 χ^2/NDF:21.1/19

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

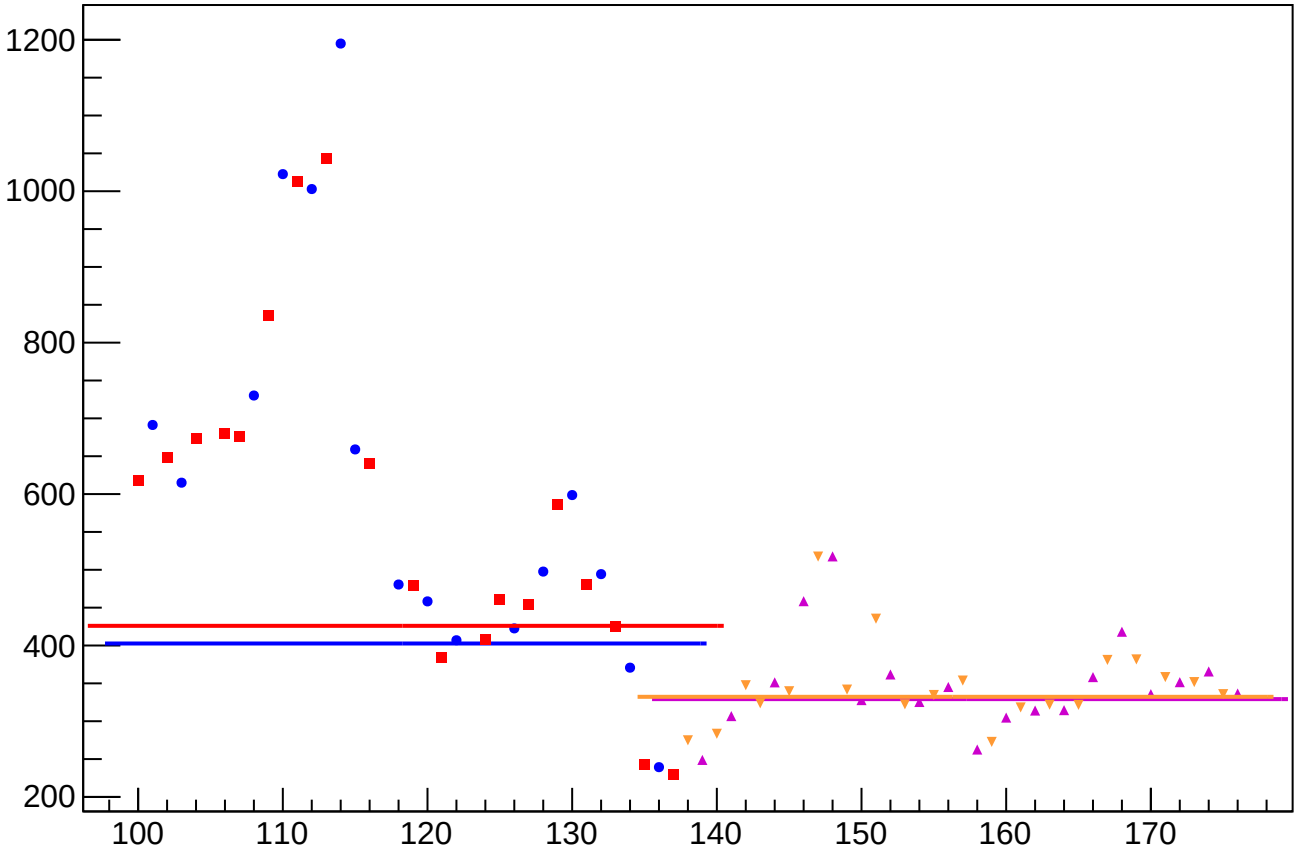
Left In: -14.713+/-84.898 χ^2/NDF:32.7/18

+ sign -30.329+/-75.082 χ^2/NDF: 33.0/35

All: -2.835+/-53.409 χ^2/NDF: 83.0/73

- sign 25.327+/-75.989 χ^2/NDF: 49.7/37

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 332.242+/-0.060 χ^2/NDF:582031.8/19

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

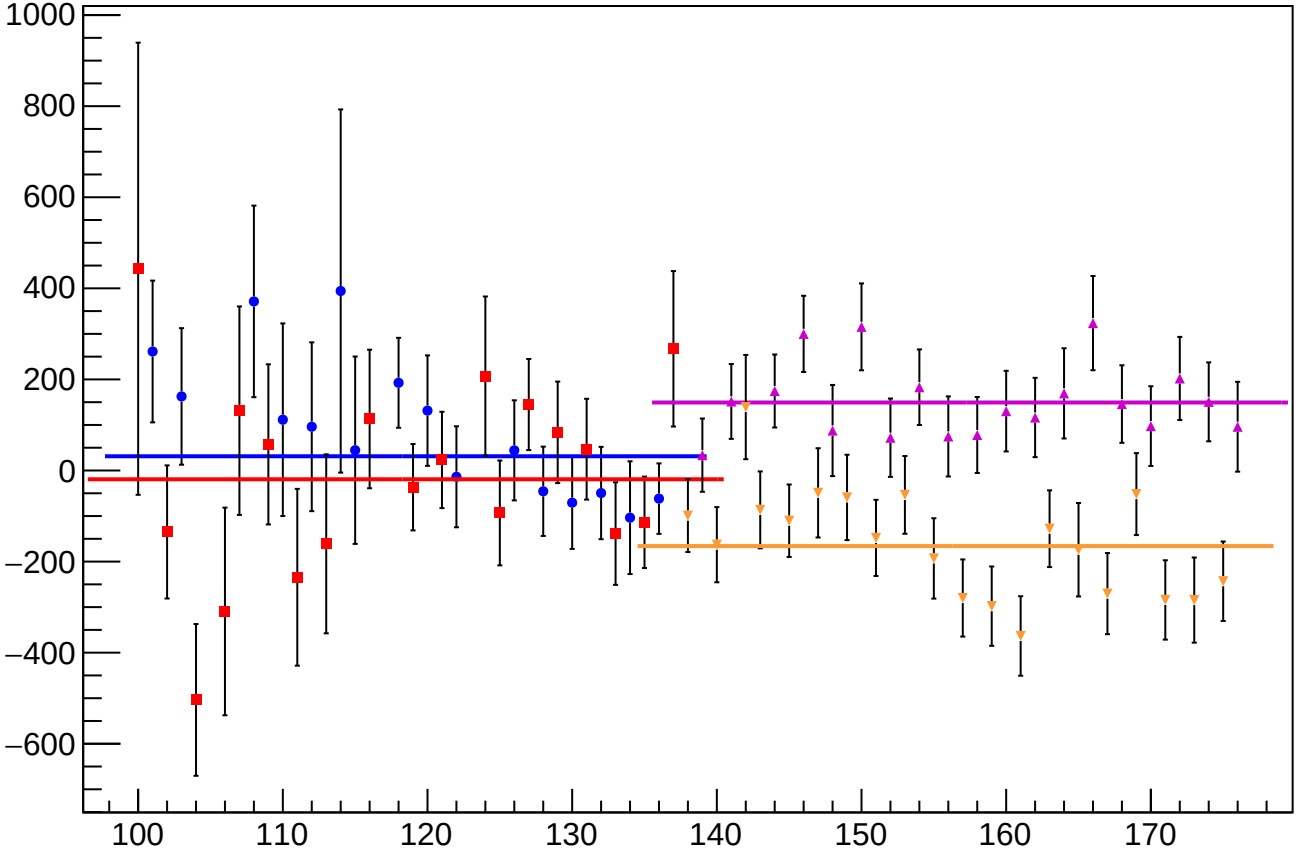
Left In: 329.193+/-0.060 χ^2/NDF:803420.3/18

+ sign 347.044+/-0.053 χ^2/NDF: 3234162.2/35

All: 347.734+/-0.038 χ^2/NDF: 6923671.7/73

- sign 348.442+/-0.054 χ^2/NDF: 3689166.9/37

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -165.926+/-19.724 χ^2/NDF:30.4/19

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

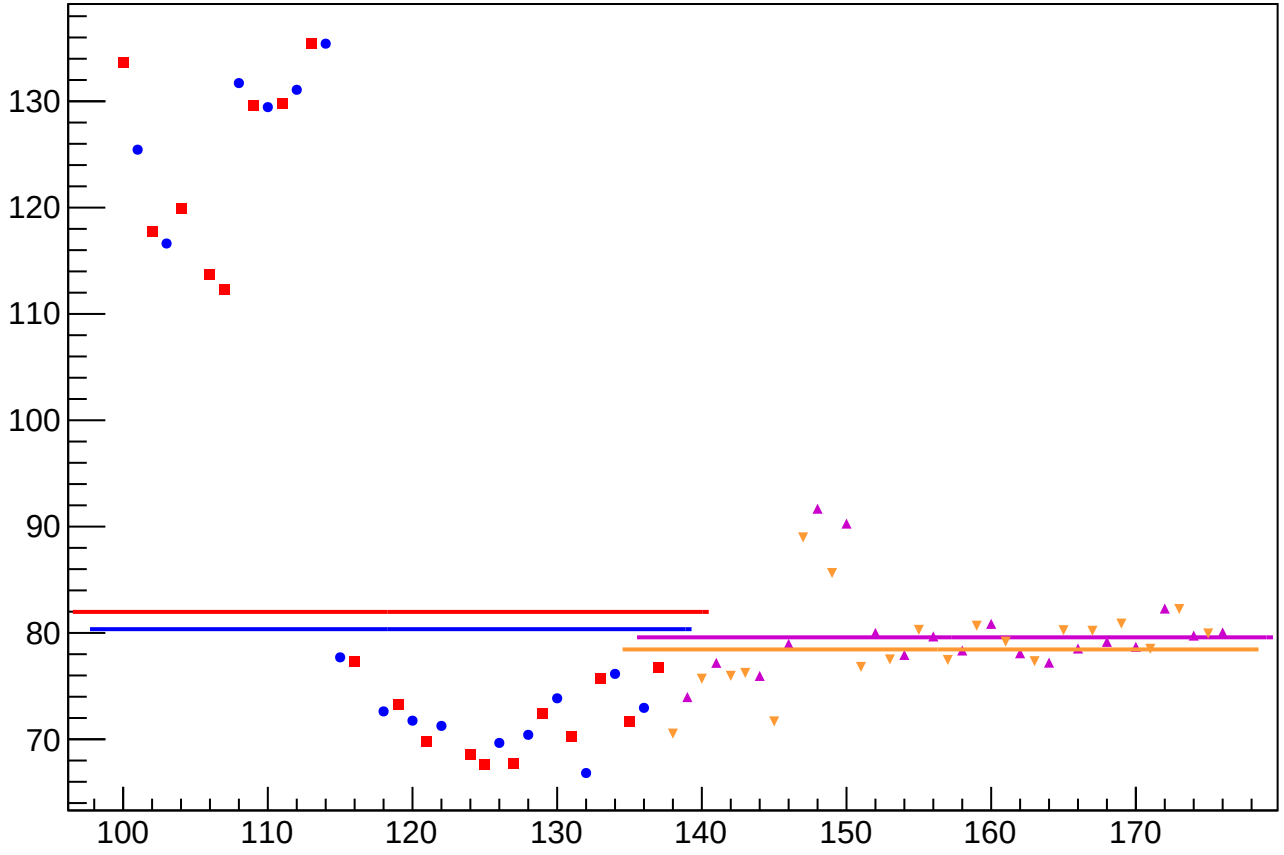
Left In: 149.301+/-20.228 χ^2/NDF:15.3/18

+ sign -108.540+/-16.608 χ^2/NDF: 74.6/35

All: -6.839+/-11.863 χ^2/NDF: 212.9/73

- sign 99.094+/-16.950 χ^2/NDF: 61.7/37

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.448+/-0.014 χ^2/NDF:84237.6/19

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

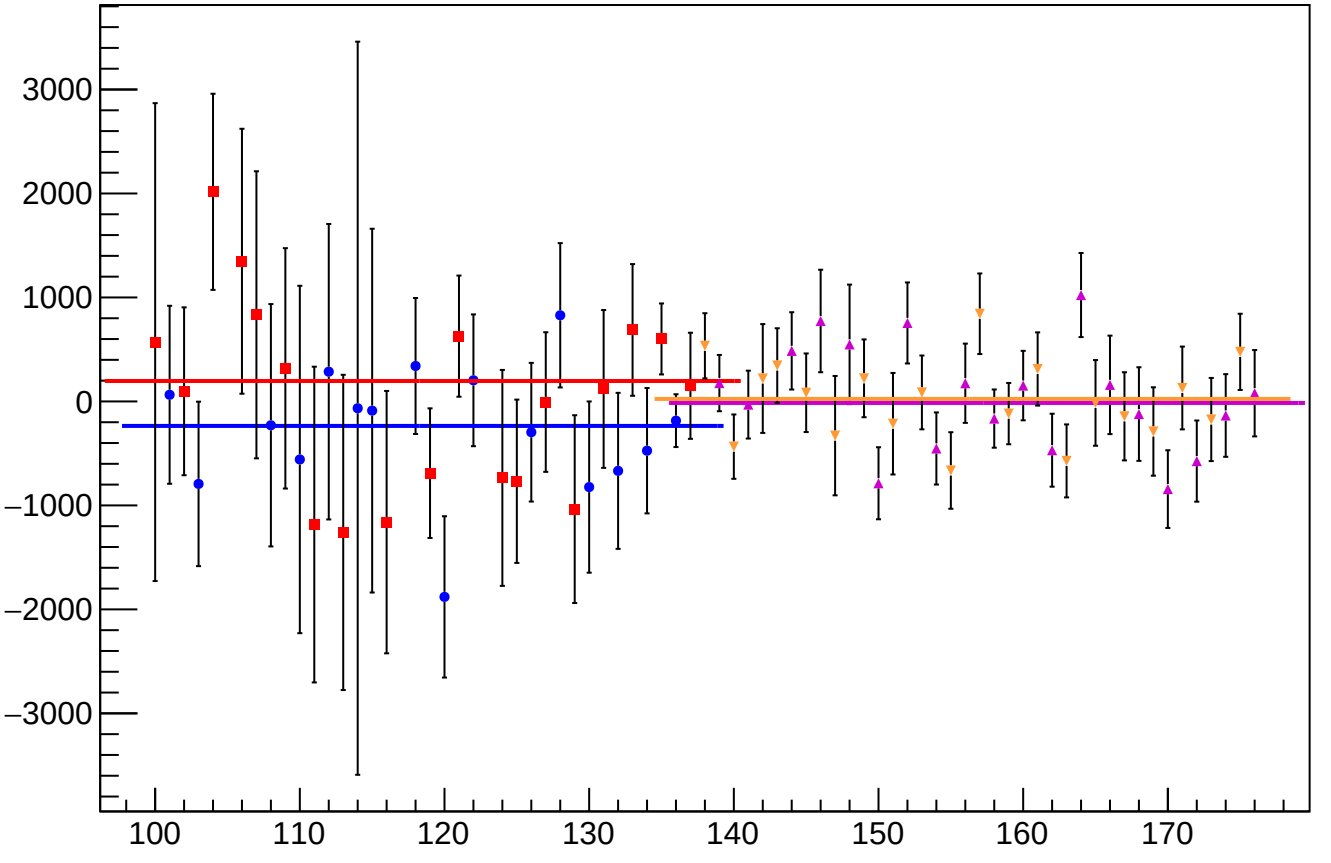
Left In: 79.587+/-0.014 χ^2/NDF:75771.2/18

+ sign 79.003+/-0.012 χ^2/NDF: 929712.6/35

All: 79.638+/-0.008 χ^2/NDF: 1950241.3/73

- sign 80.299+/-0.012 χ^2/NDF: 1014558.3/37

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 24.281+/-84.485 χ^2/NDF:21.1/19

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

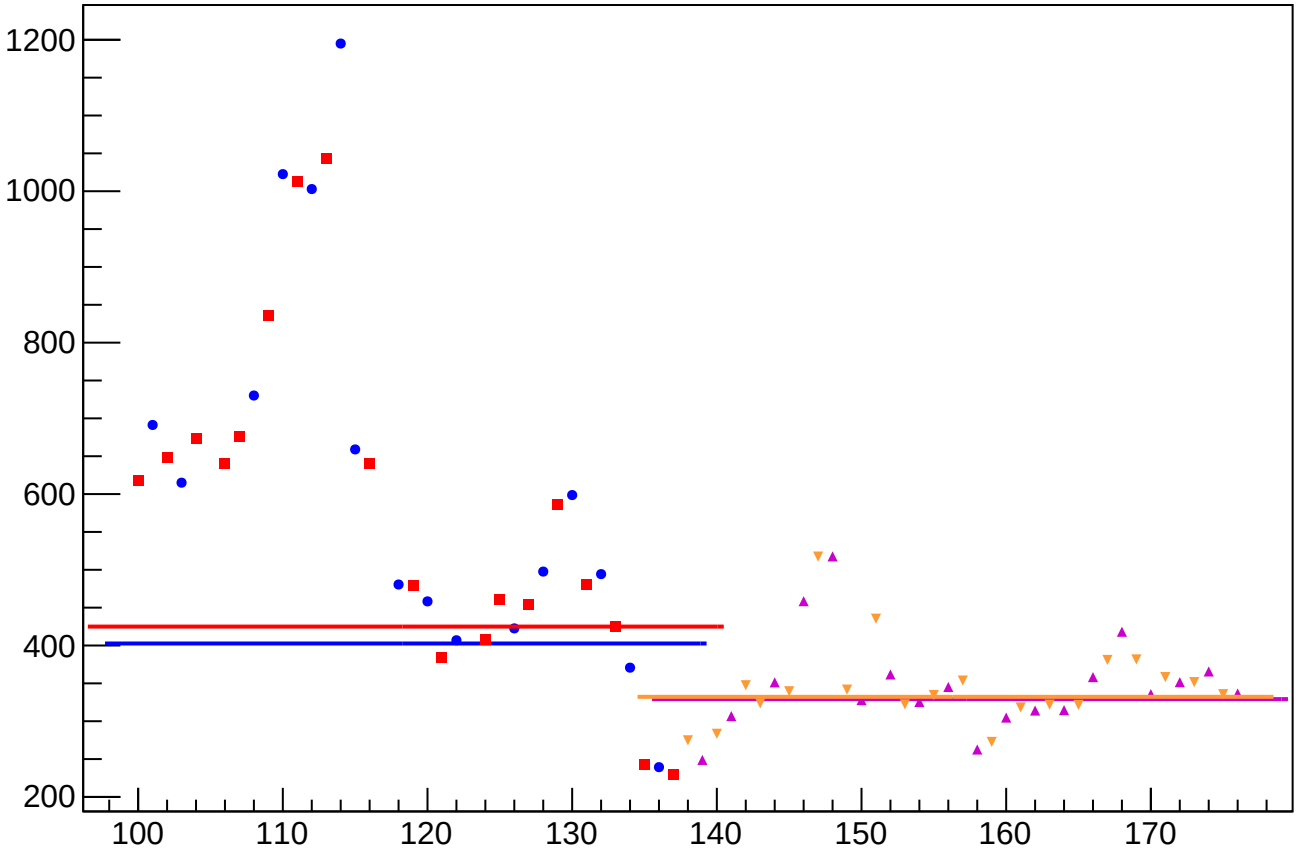
Left In: -14.708+/-84.898 χ^2/NDF:32.7/18

+ sign -30.329+/-75.082 χ^2/NDF: 33.0/35

All: -1.876+/-53.412 χ^2/NDF: 83.7/73

- sign 27.274+/-75.997 χ^2/NDF: 50.5/37

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.242+/-0.060 χ^2/NDF:582039.4/19

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

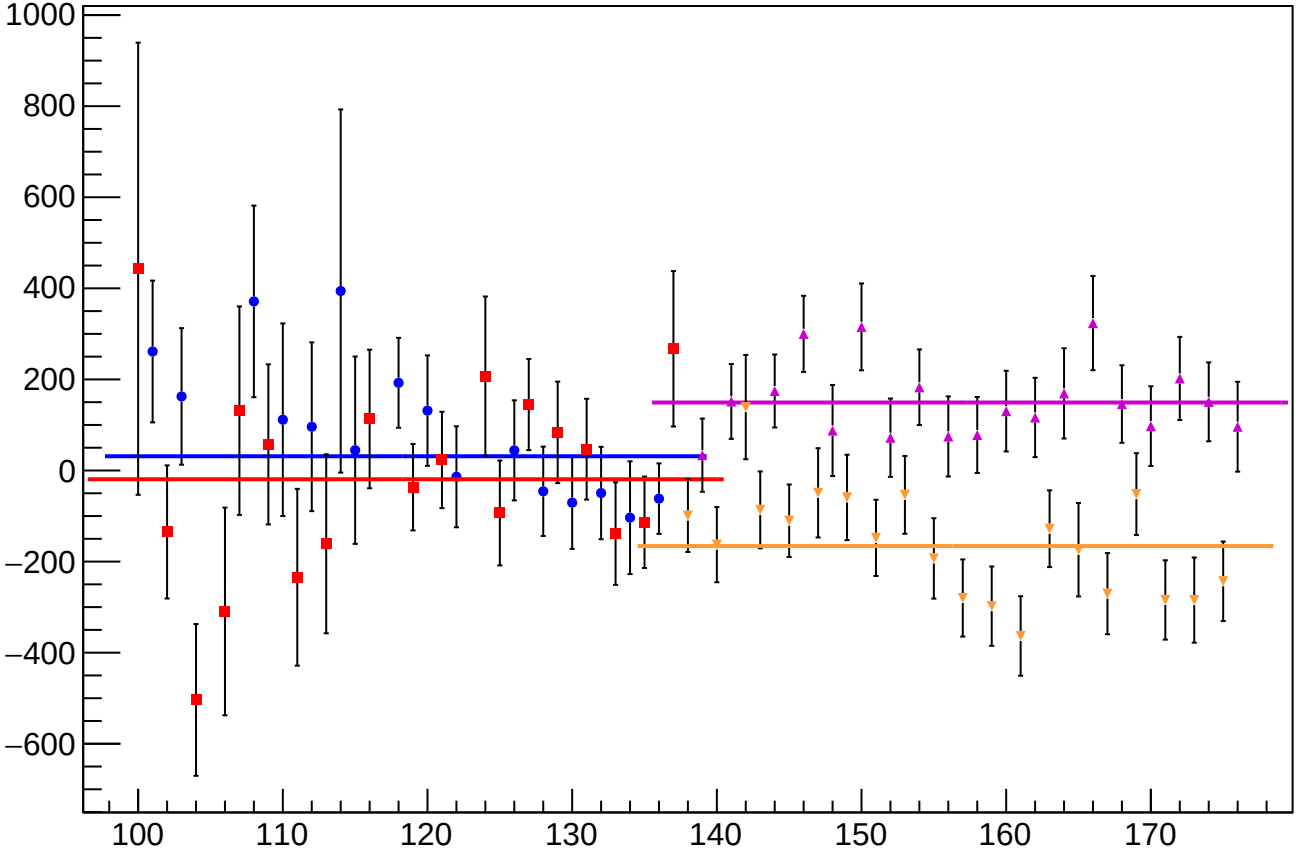
Left In: 329.193+/-0.060 χ^2/NDF:803419.8/18

+ sign 347.044+/-0.053 χ^2/NDF: 3234167.9/35

All: 347.628+/-0.038 χ^2/NDF: 6884805.7/73

- sign 348.227+/-0.054 χ^2/NDF: 3650392.4/37

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -165.926+/-19.724 χ^2/NDF:30.4/19

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

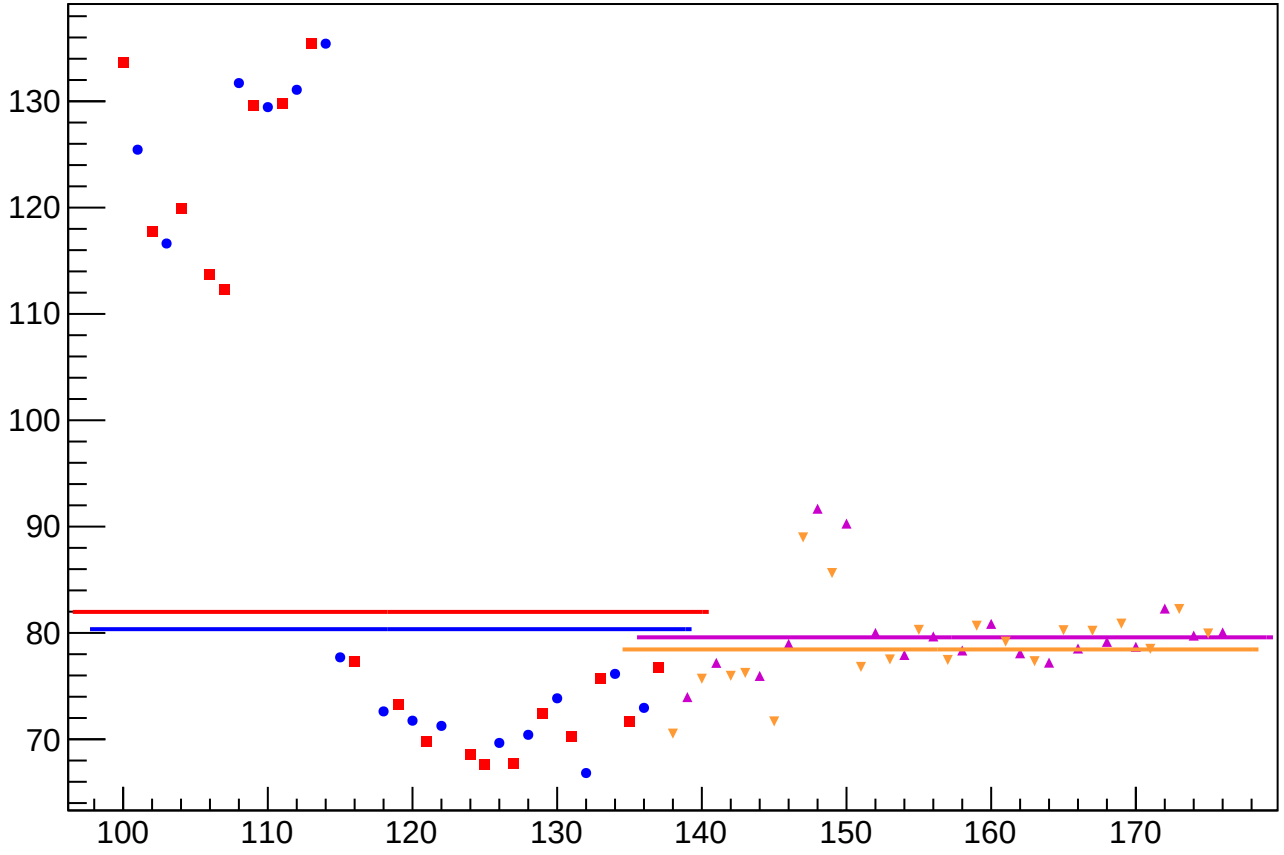
Left In: 149.301+/-20.228 χ^2/NDF:15.3/18

+ sign -108.540+/-16.608 χ^2/NDF: 74.6/35

All: -6.839+/-11.863 χ^2/NDF: 212.9/73

- sign 99.094+/-16.950 χ^2/NDF: 61.7/37

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.448+/-0.014 χ^2/NDF:84237.6/19

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

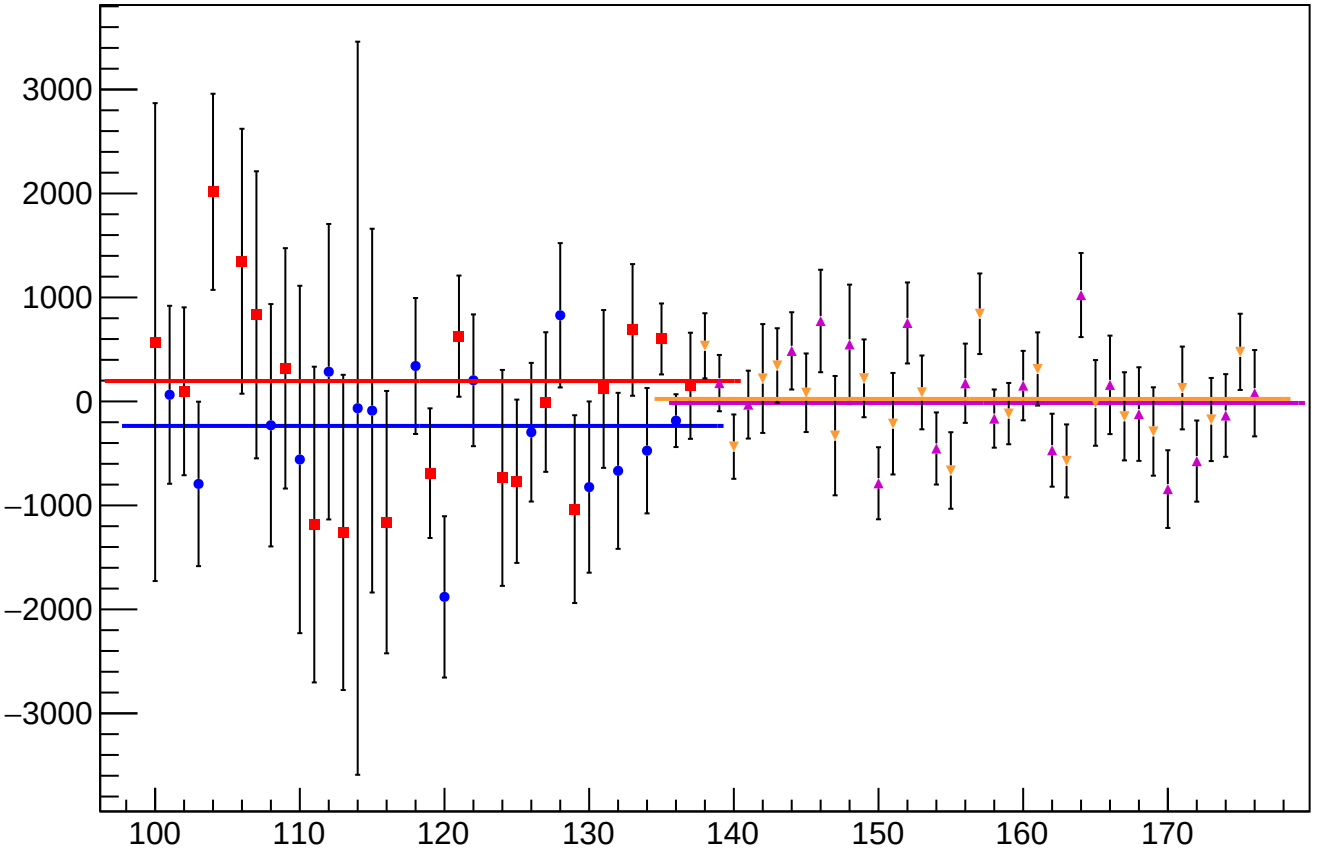
Left In: 79.587+/-0.014 χ^2/NDF:75771.2/18

+ sign 79.003+/-0.012 χ^2/NDF: 929712.6/35

All: 79.638+/-0.008 χ^2/NDF: 1950241.3/73

- sign 80.299+/-0.012 χ^2/NDF: 1014558.3/37

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 24.281+/-84.485 χ^2/NDF:21.1/19

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

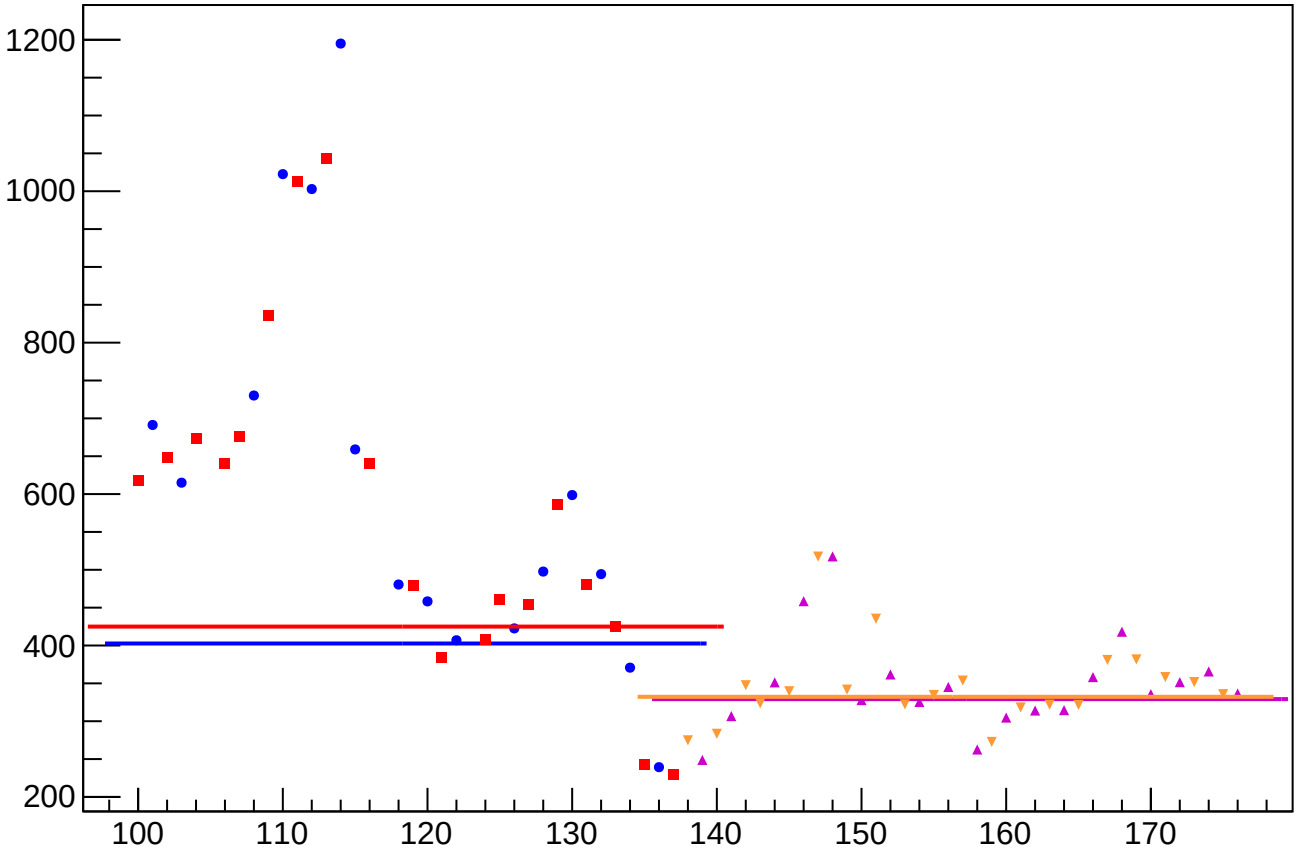
Left In: -14.708+/-84.898 χ^2/NDF:32.7/18

+ sign -30.329+/-75.082 χ^2/NDF: 33.0/35

All: -1.876+/-53.412 χ^2/NDF: 83.7/73

- sign 27.274+/-75.997 χ^2/NDF: 50.5/37

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.242+/-0.060 χ^2/NDF:582039.4/19

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

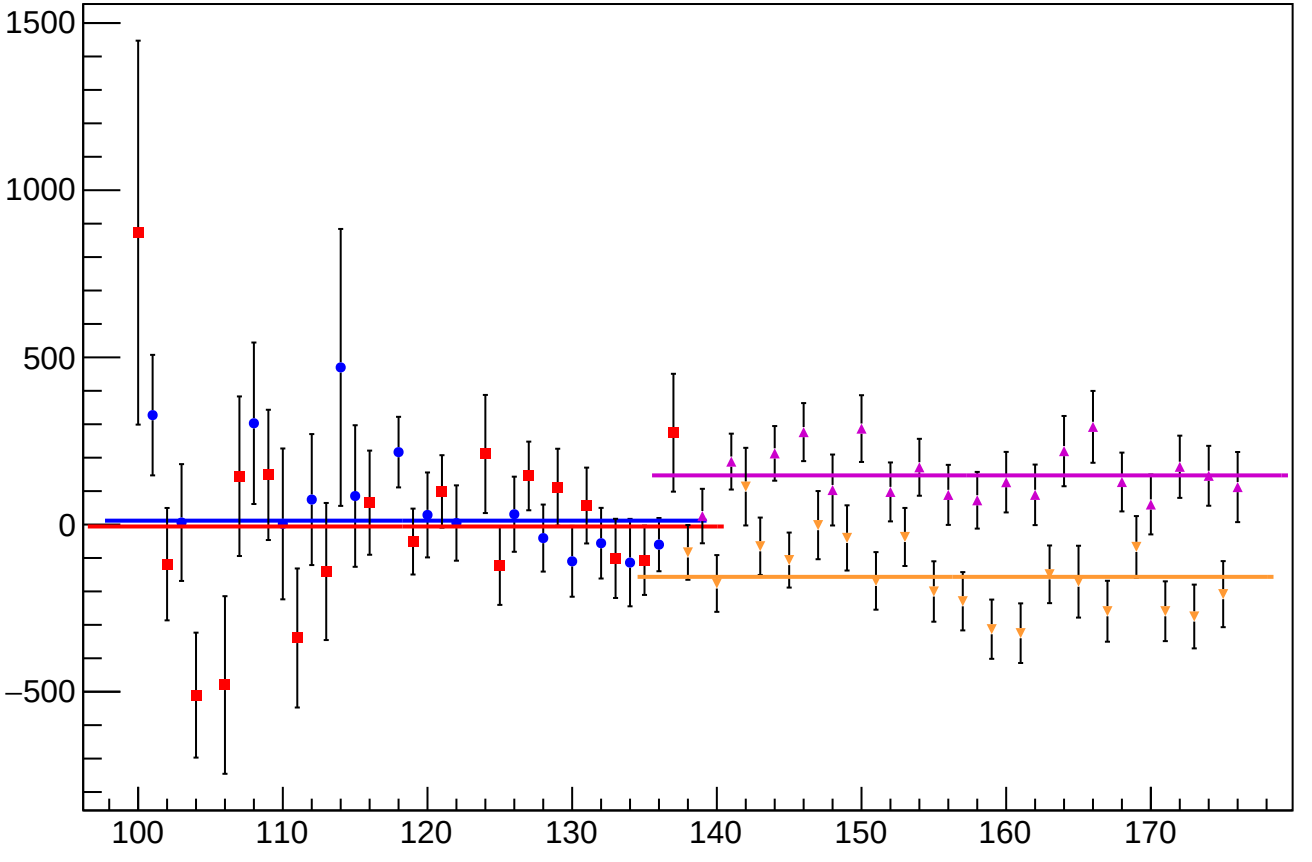
Left In: 329.193+/-0.060 χ^2/NDF:803419.8/18

\+ sign 347.044+/-0.053 χ^2/NDF: 3234167.9/35

All: 347.628+/-0.038 χ^2/NDF: 6884805.7/73

\- sign 348.227+/-0.054 χ^2/NDF: 3650392.4/37

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.456+/-20.336 χ^2/NDF:26.4/19

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

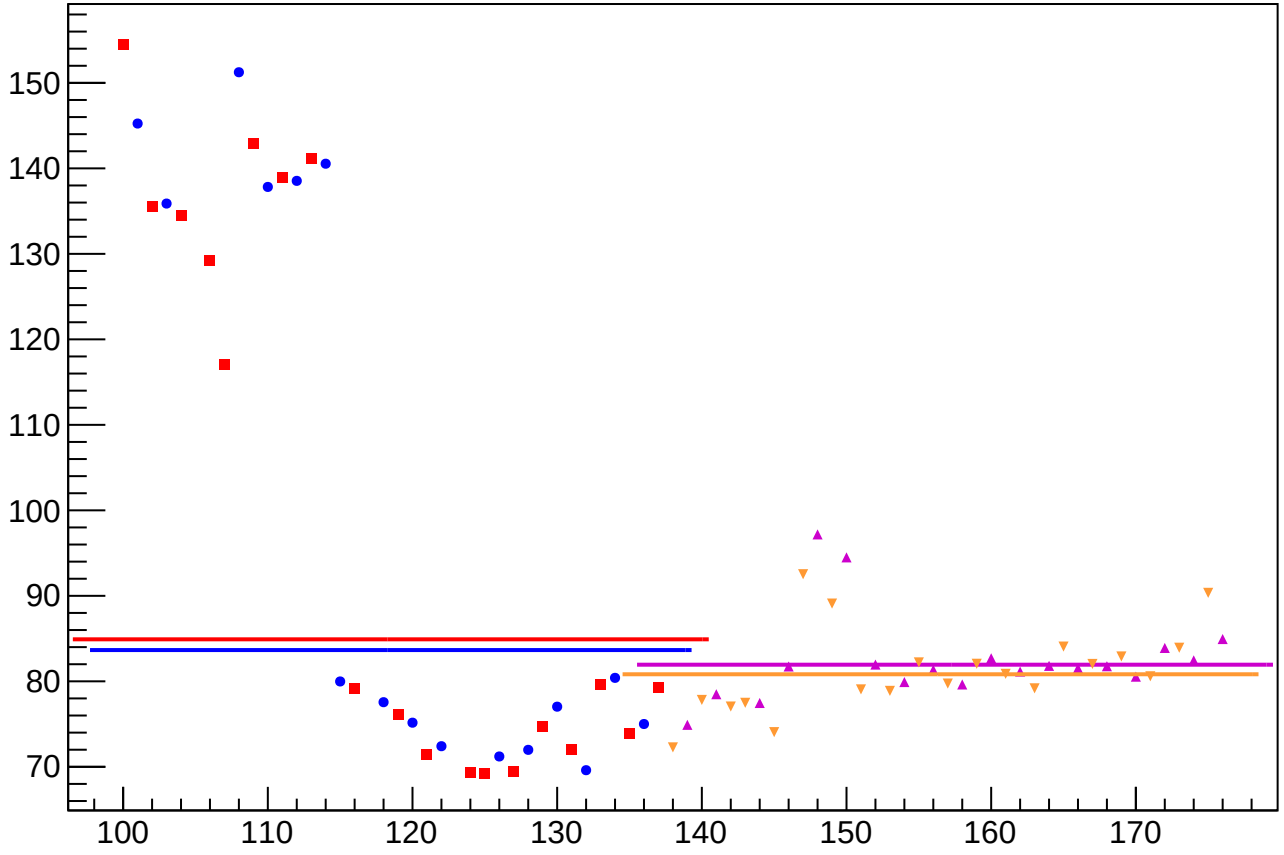
Left In: 147.039+/-20.844 χ^2/NDF:13.0/18

\+ sign -108.729+/-17.209 χ^2/NDF: 59.3/35

All: -5.165+/-12.283 χ^2/NDF: 190.7/73

\- sign 102.380+/-17.537 χ^2/NDF: 57.5/37

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.825+/-0.014 χ^2/NDF:111392.5/19

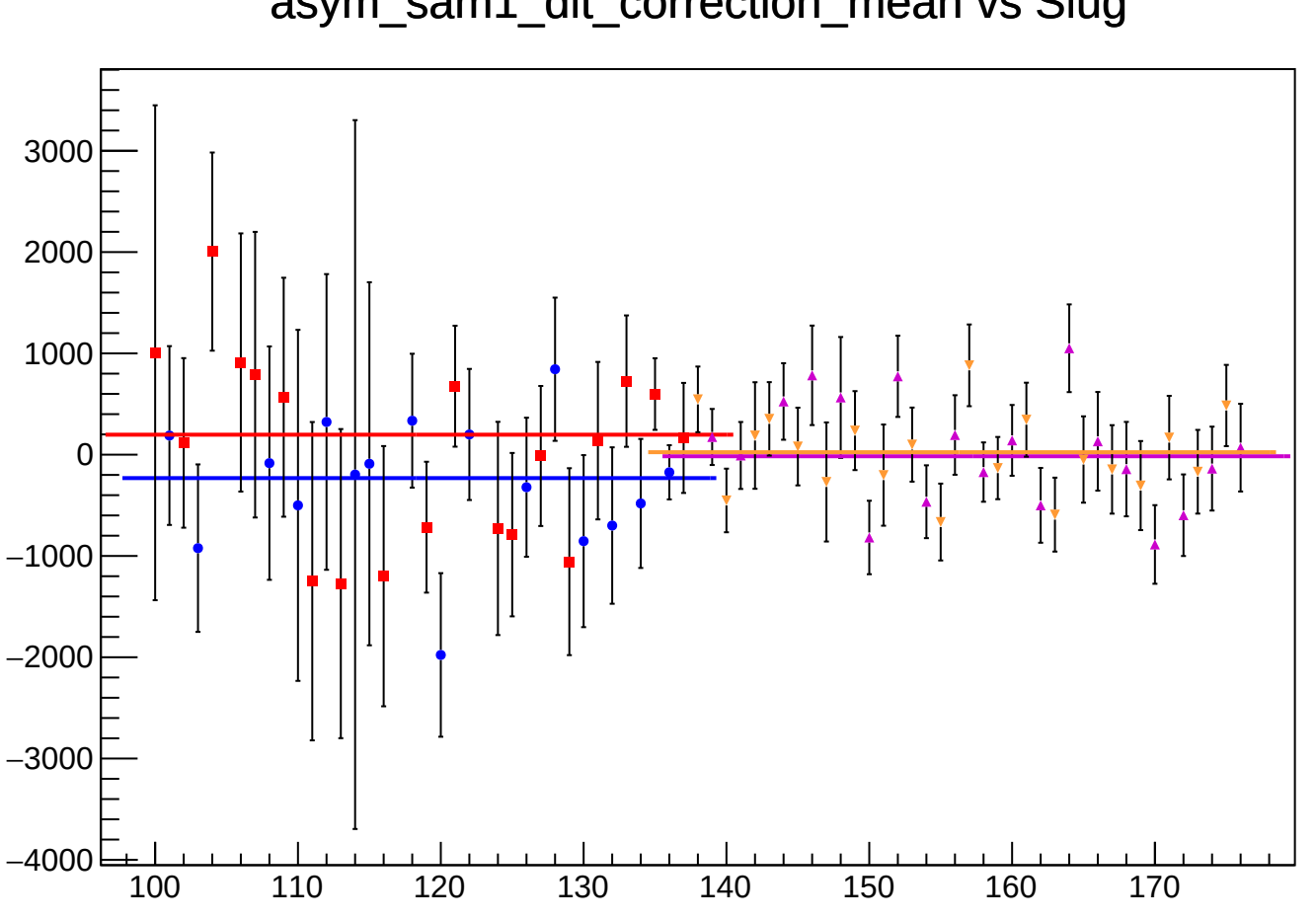
Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.944+/-0.015 χ^2/NDF:103379.3/18

+ sign 81.629+/-0.012 χ^2/NDF: 1157200.8/35

All: 82.209+/-0.009 χ^2/NDF: 2398737.0/73

- sign 82.812+/-0.012 χ^2/NDF: 1236901.2/37



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 24.392+/-87.295 χ^2/NDF:20.7/19

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

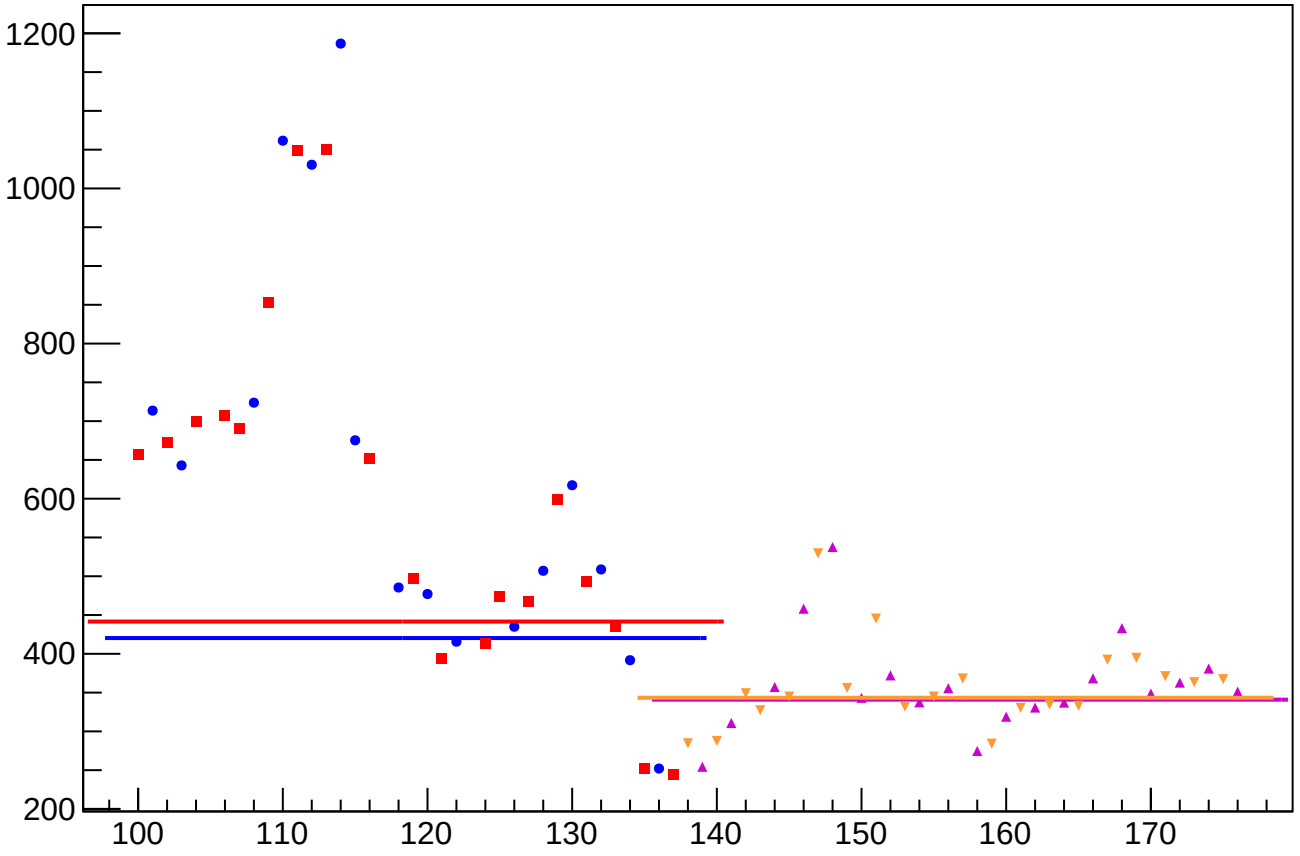
Left In: -15.674+/-87.867 χ^2/NDF:32.4/18

+ sign -28.917+/-77.668 χ^2/NDF: 32.9/35

All: -1.417+/-55.254 χ^2/NDF: 82.7/73

- sign 26.764+/-78.623 χ^2/NDF: 49.5/37

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 343.350+/-0.062 χ^2/NDF:581668.0/19

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

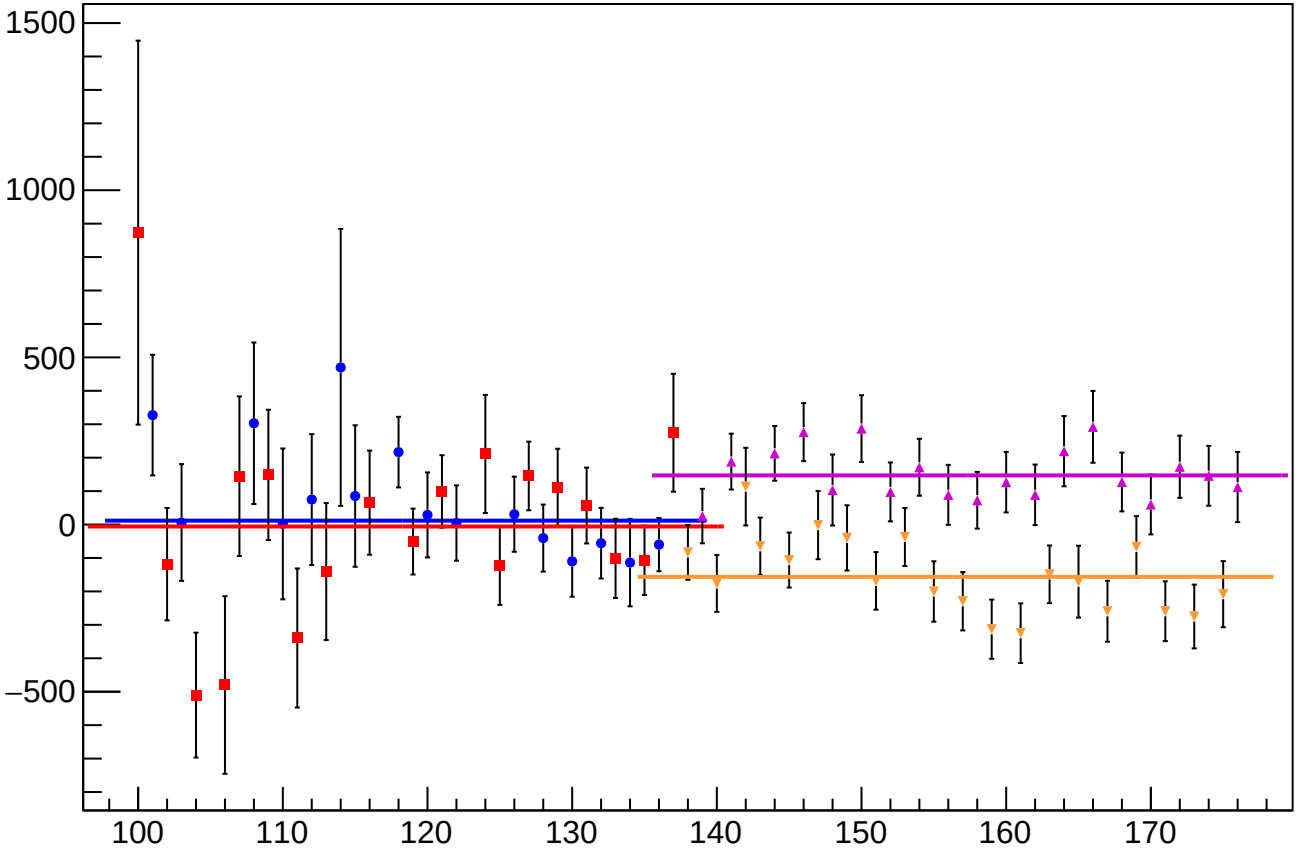
Left In: 340.903+/-0.062 χ^2/NDF:785626.1/18

+ sign 359.393+/-0.055 χ^2/NDF: 3160397.9/35

All: 360.175+/-0.039 χ^2/NDF: 6777636.0/73

- sign 360.977+/-0.056 χ^2/NDF: 3616827.4/37

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.456+/-20.336 χ^2/NDF:26.4/19

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

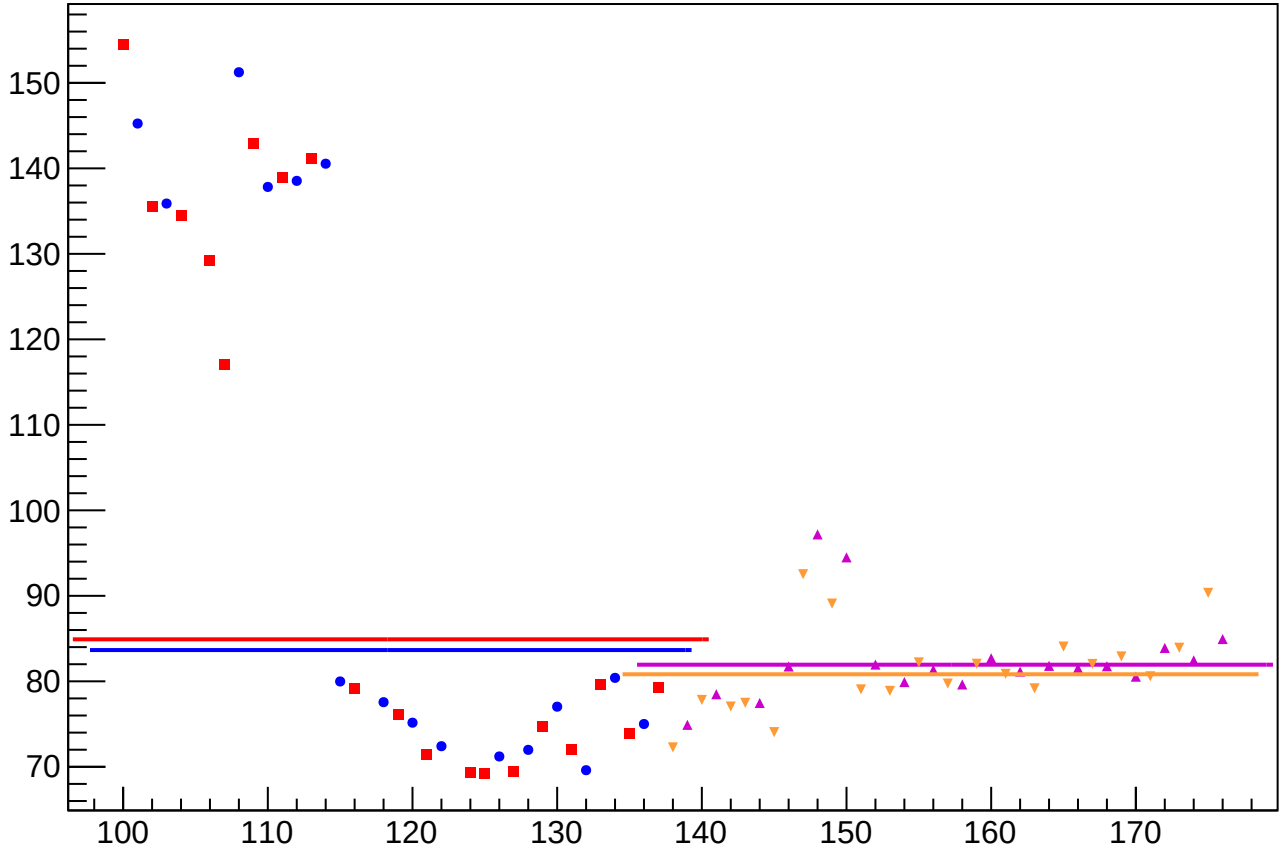
Left In: 147.040+/-20.844 χ^2/NDF:13.0/18

+ sign -108.729+/-17.209 χ^2/NDF: 59.3/35

All: -5.165+/-12.283 χ^2/NDF: 190.7/73

- sign 102.380+/-17.537 χ^2/NDF: 57.5/37

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.825+/-0.014 χ^2/NDF:111391.9/19

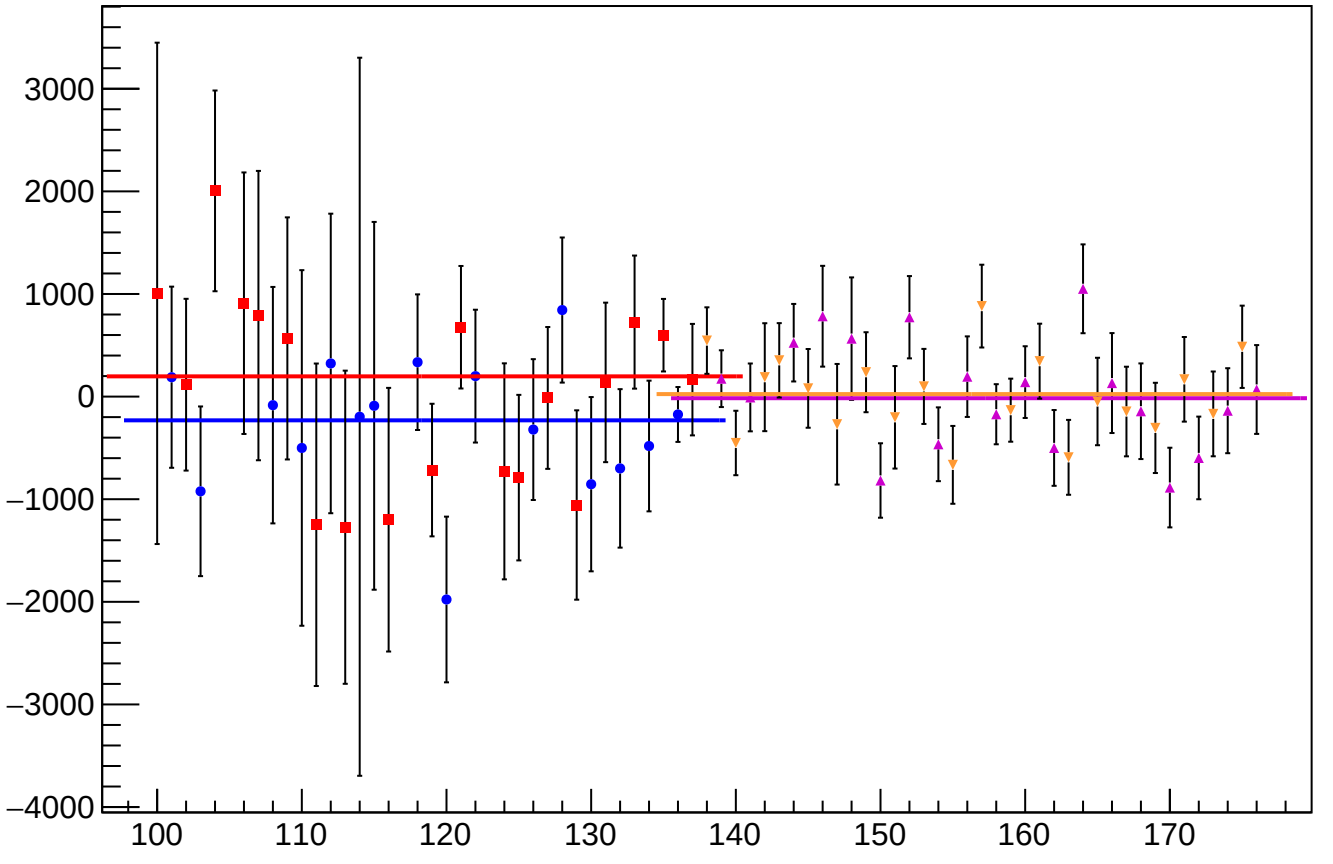
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.944+/-0.015 χ^2/NDF:103378.4/18

+ sign 81.629+/-0.012 χ^2/NDF: 1157199.3/35

All: 82.209+/-0.009 χ^2/NDF: 2398733.0/73

- sign 82.812+/-0.012 χ^2/NDF: 1236898.9/37



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 24.392+/-87.295 χ^2/NDF:20.7/19

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

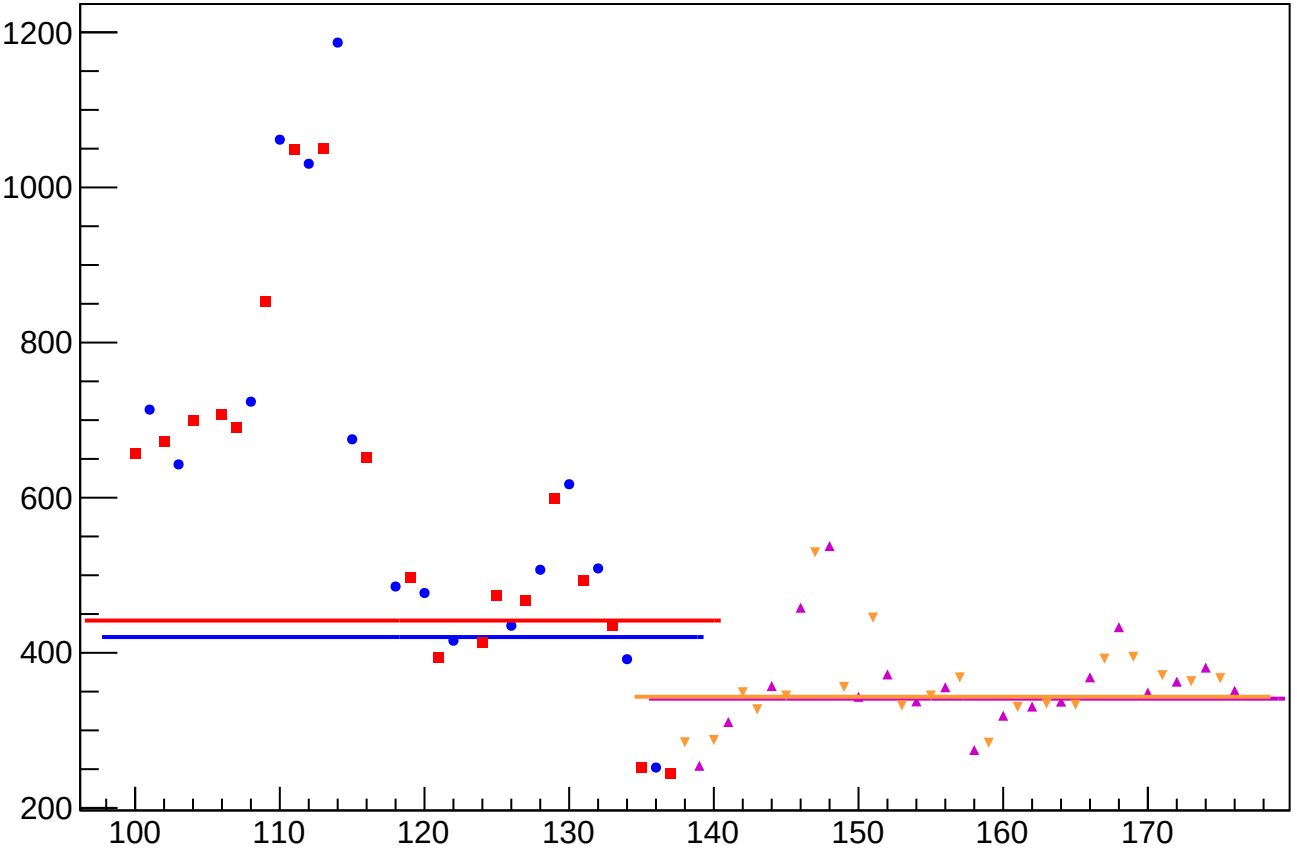
Left In: -15.674+/-87.867 χ^2/NDF:32.4/18

\+ sign -28.916+/-77.667 χ^2/NDF: 32.9/35

All: -1.416+/-55.254 χ^2/NDF: 82.7/73

\- sign 26.764+/-78.622 χ^2/NDF: 49.5/37

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 343.350+/-0.062 χ^2/NDF:581668.5/19

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

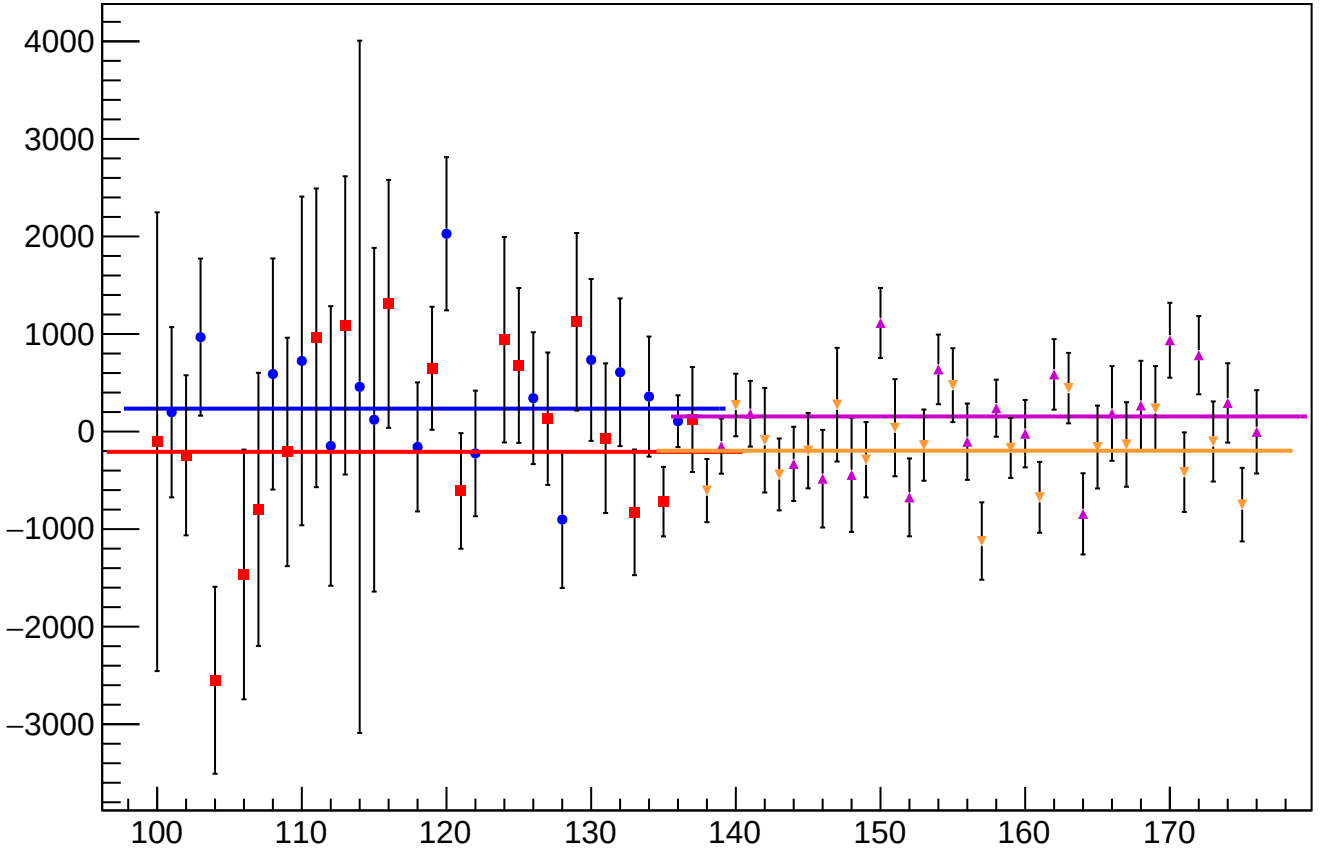
Left In: 340.903+/-0.062 χ^2/NDF:785628.7/18

+ sign 359.392+/-0.055 χ^2/NDF: 3160399.3/35

All: 360.175+/-0.039 χ^2/NDF: 6777640.7/73

- sign 360.976+/-0.056 χ^2/NDF: 3616830.6/37

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -196.264+/-86.939 χ^2/NDF:22.2/19

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

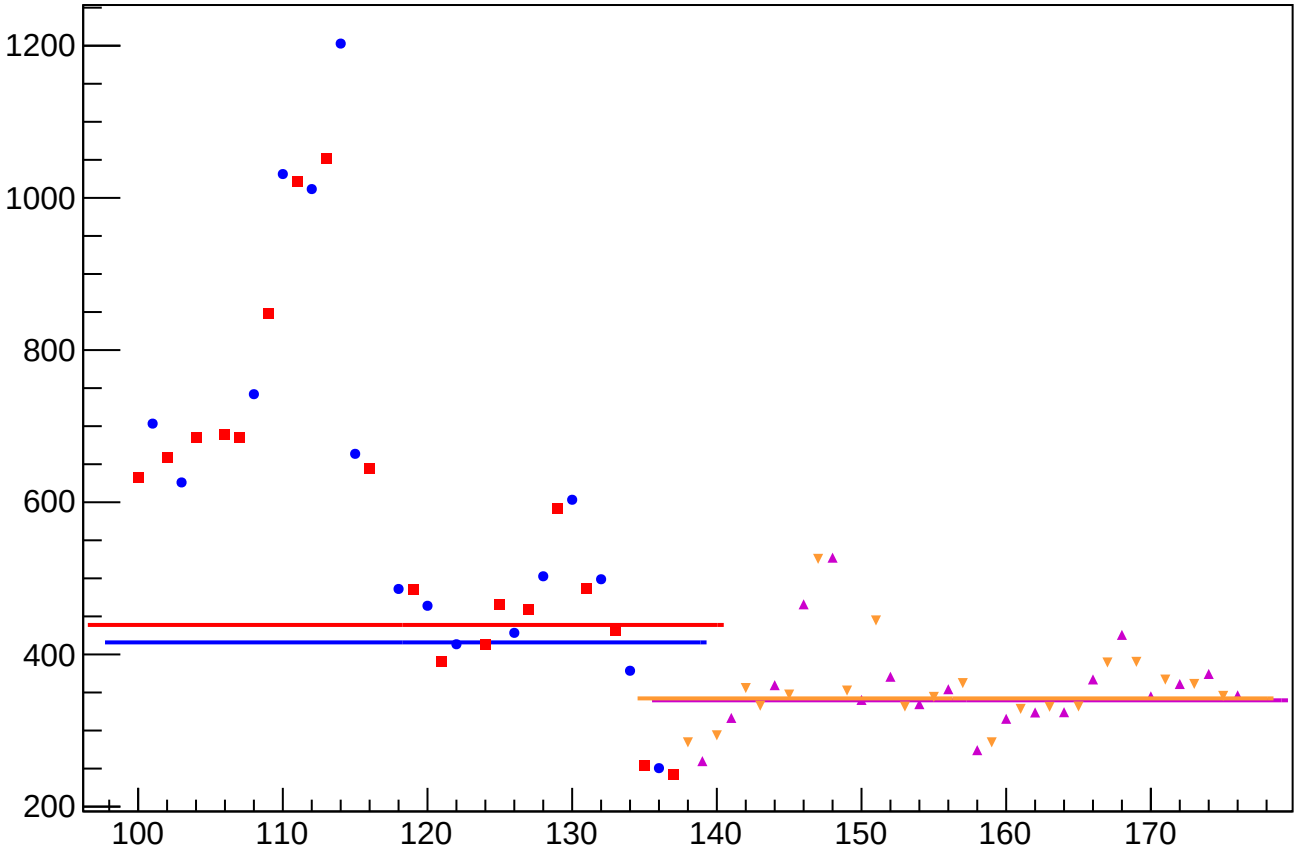
Left In: 154.777+/-87.498 χ^2/NDF:33.6/18

+ sign -105.325+/-77.232 χ^2/NDF: 38.1/35

All: -12.848+/-54.963 χ^2/NDF: 98.4/73

- sign 82.048+/-78.236 χ^2/NDF: 57.4/37

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 342.238+/-0.061 χ^2/NDF:539984.8/19

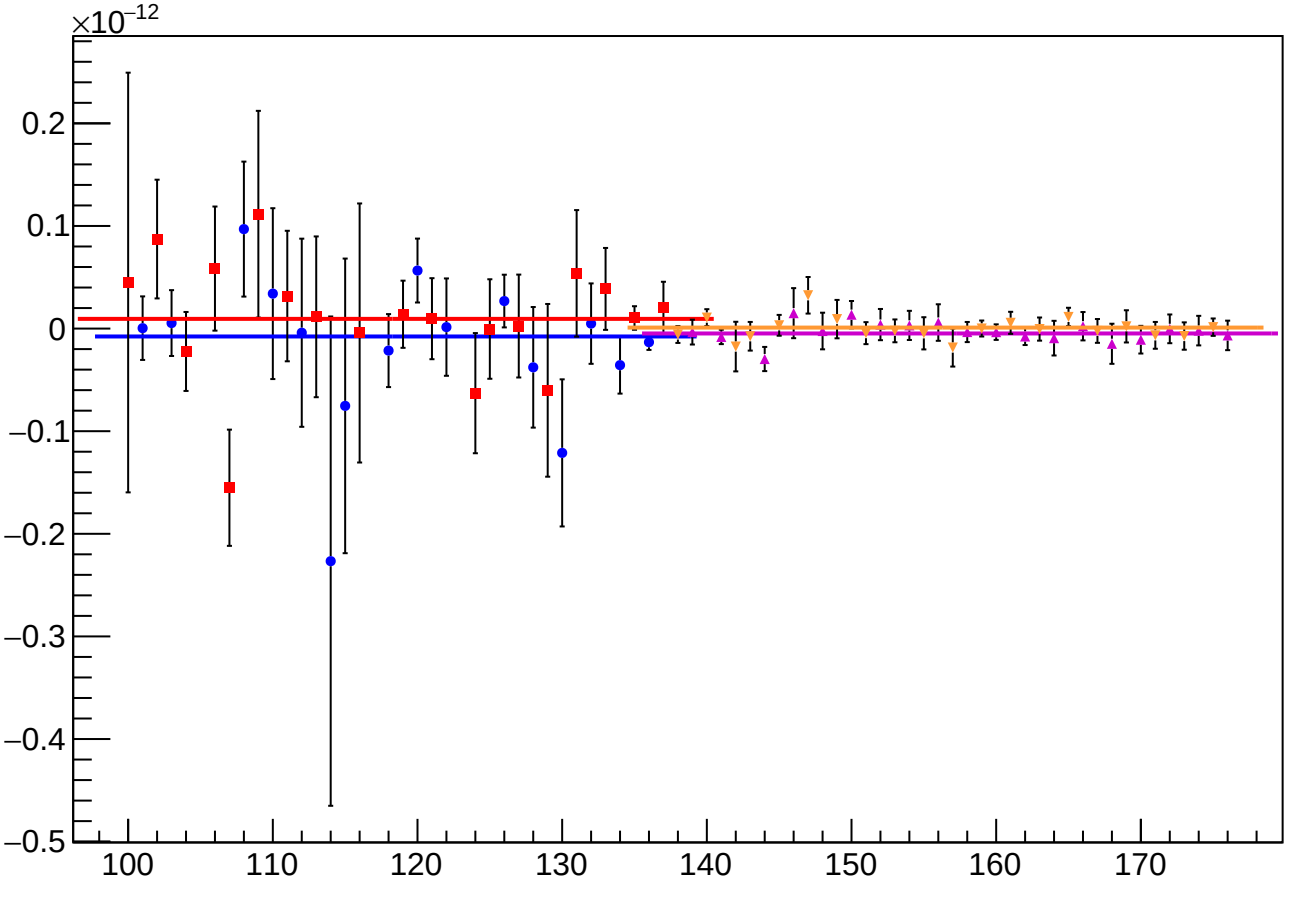
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.717+/-0.062 χ^2/NDF:737641.5/18

+ sign 357.756+/-0.055 χ^2/NDF: 3066152.7/35

All: 358.656+/-0.039 χ^2/NDF: 6553094.1/73

- sign 359.579+/-0.055 χ^2/NDF: 3486391.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

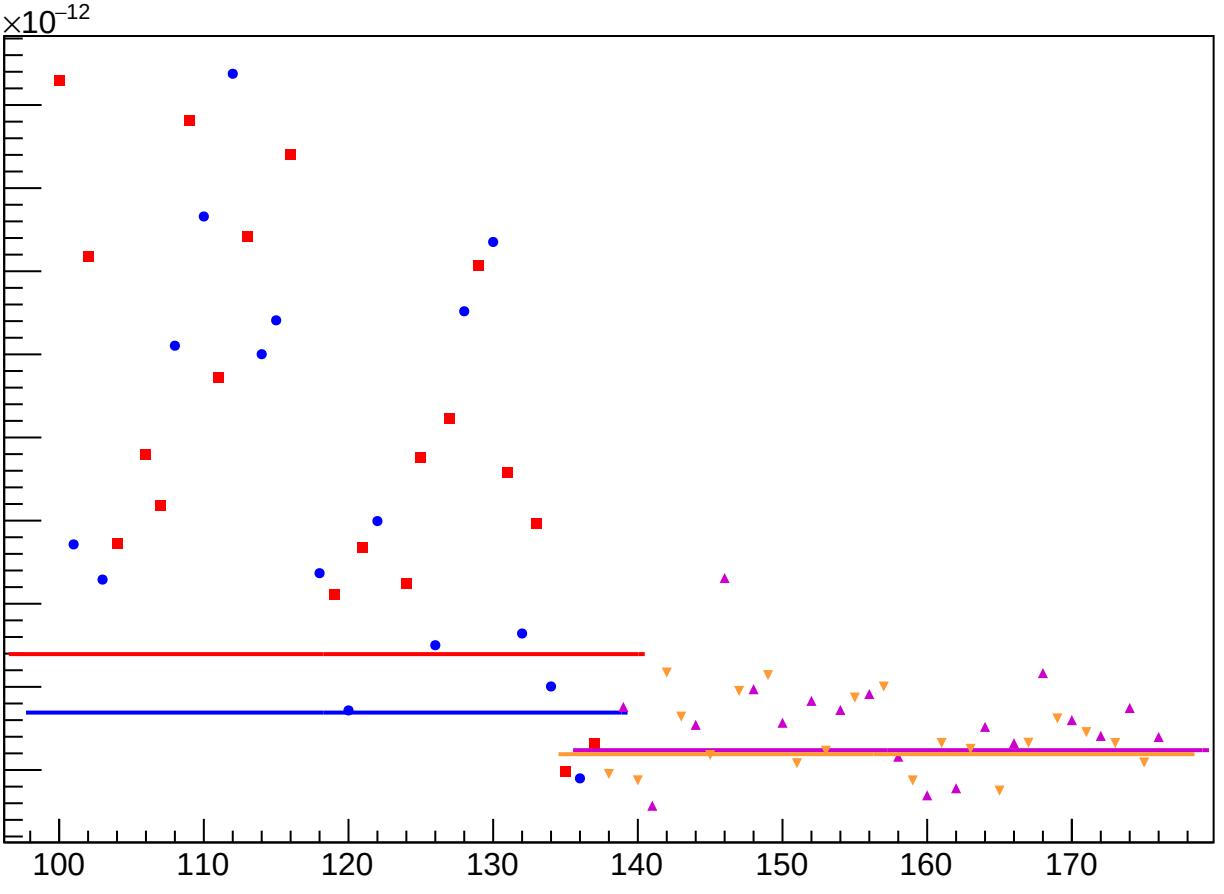
Left In: -0.000+/-0.000 χ^2/NDF:9.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 26.7/35

All: -0.000+/-0.000 χ^2/NDF: 55.9/73

- sign -0.000+/-0.000 χ^2/NDF: 28.4/37

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:954734.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

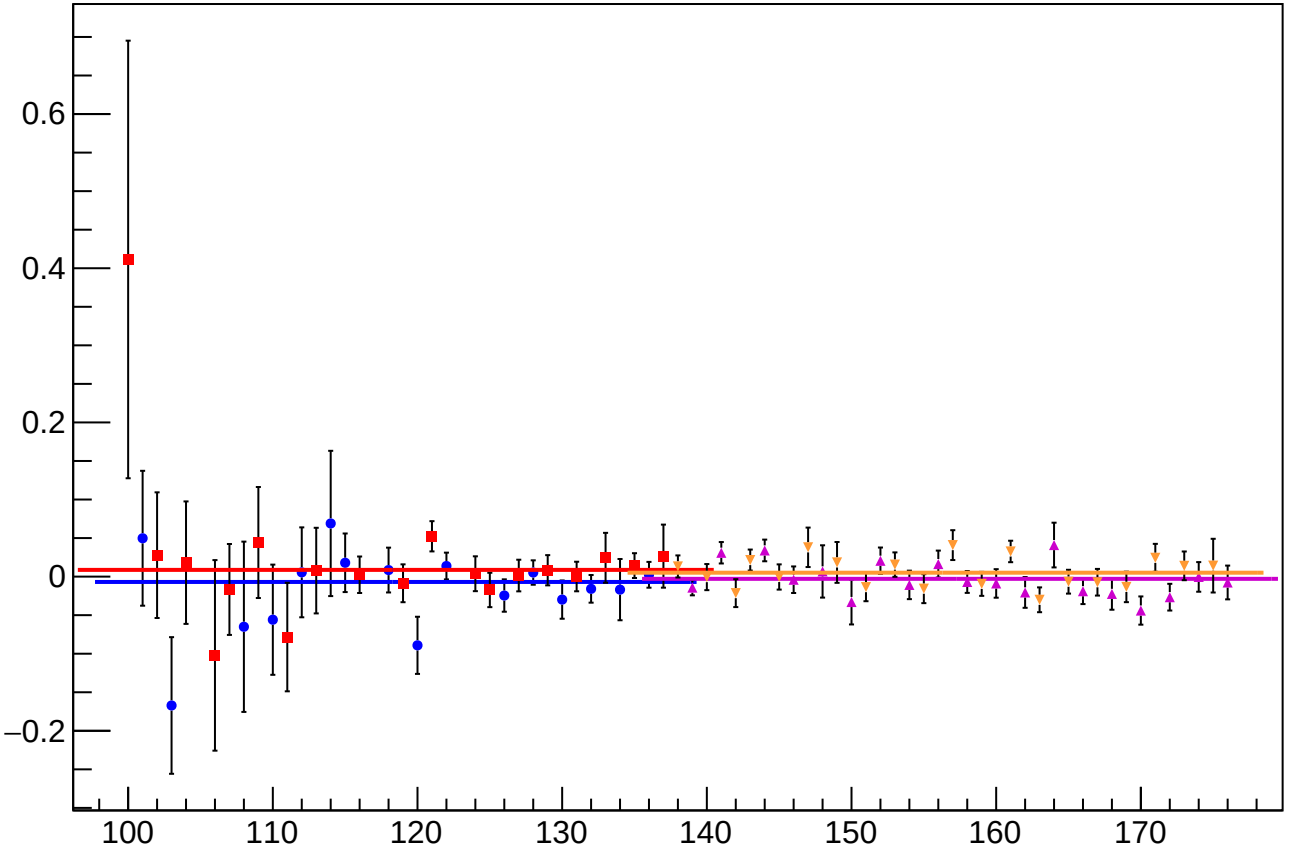
Left In: 0.000+/-0.000 χ^2/NDF:1910547.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 3993627.3/35

All: 0.000+/-0.000 χ^2/NDF: 9602653.5/73

- sign 0.000+/-0.000 χ^2/NDF: 5571453.4/37

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

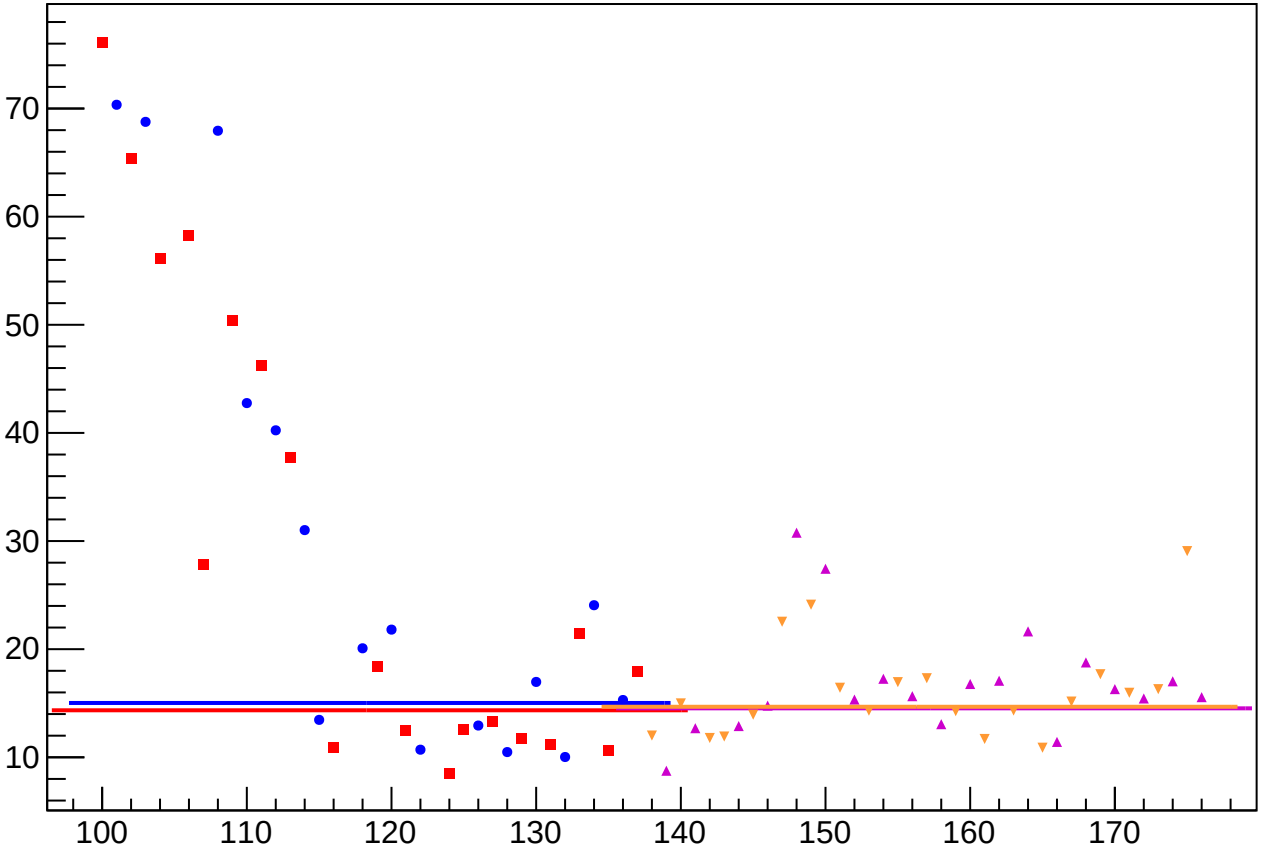
Left In: -0.003+/-0.004 χ^2/NDF:30.5/18

+ sign 0.002+/-0.003 χ^2/NDF: 42.4/35

All: 0.001+/-0.002 χ^2/NDF: 88.2/73

- sign 0.000+/-0.003 χ^2/NDF: 45.6/37

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364475.7/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

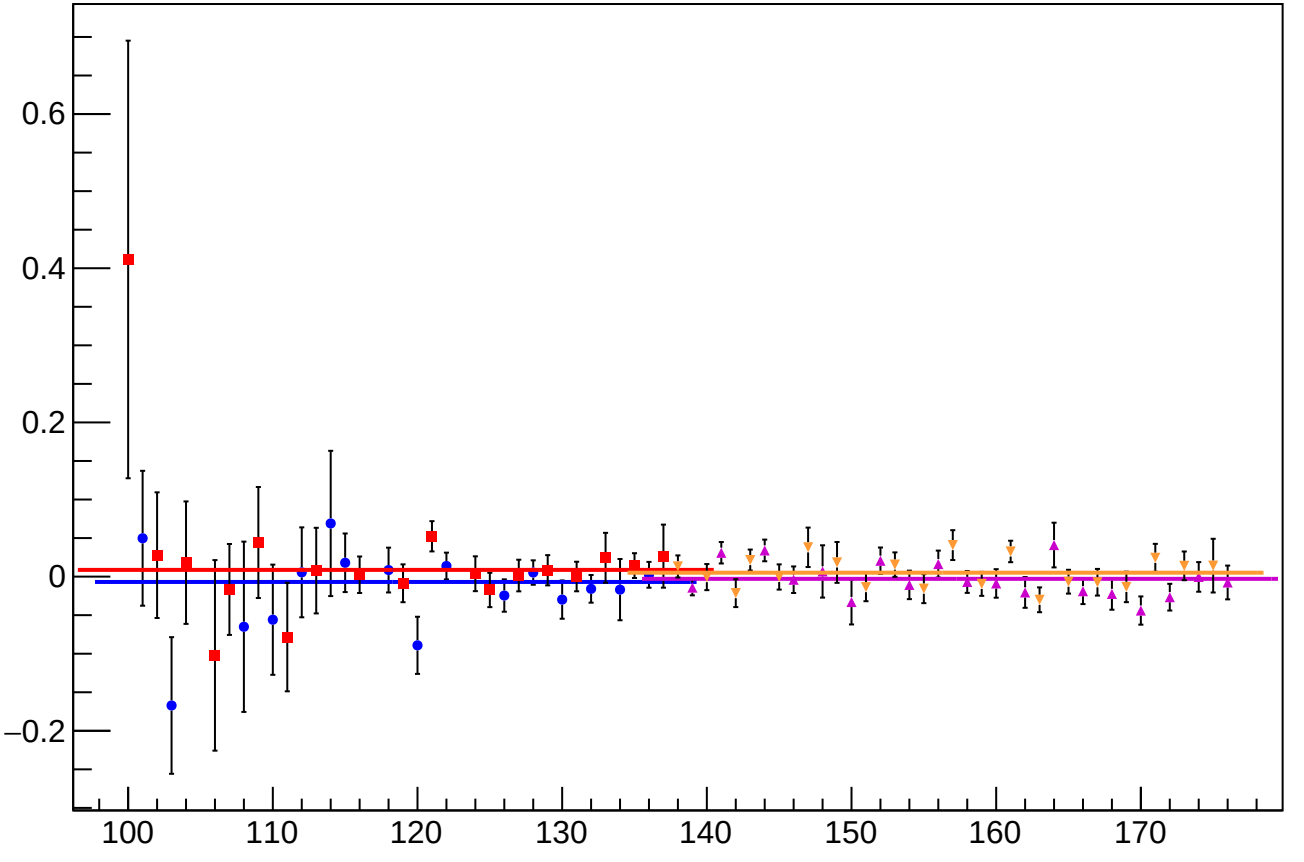
Left In: 14.529+/-0.003 χ^2/NDF:2052218.4/18

\+ sign 14.762+/-0.002 χ^2/NDF: 4806826.2/35

All: 14.620+/-0.002 χ^2/NDF: 10496301.3/73

\- sign 14.479+/-0.002 χ^2/NDF: 5682385.9/37

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

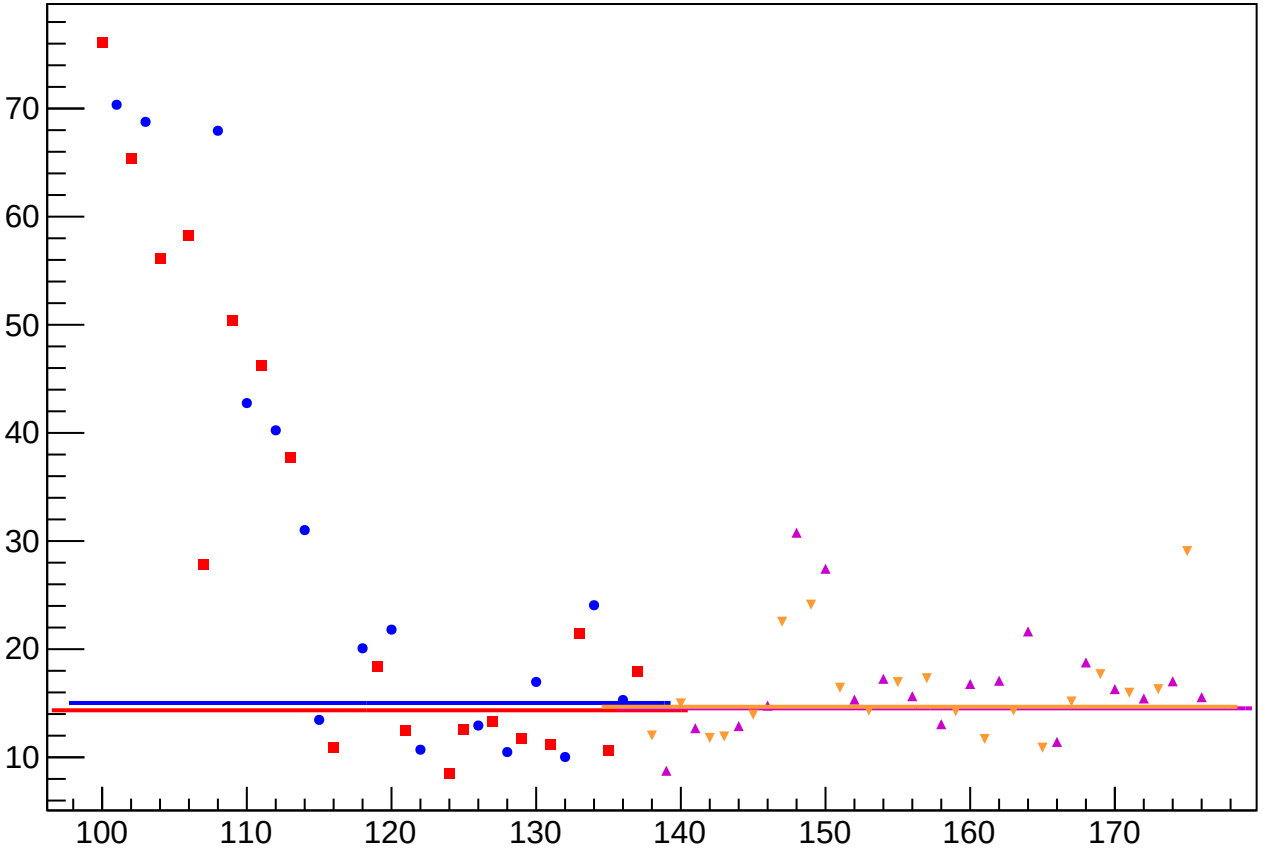
Left In: -0.003+/-0.004 χ^2/NDF:30.5/18

+ sign 0.002+/-0.003 χ^2/NDF: 42.4/35

All: 0.001+/-0.002 χ^2/NDF: 88.2/73

- sign 0.000+/-0.003 χ^2/NDF: 45.6/37

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364475.7/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

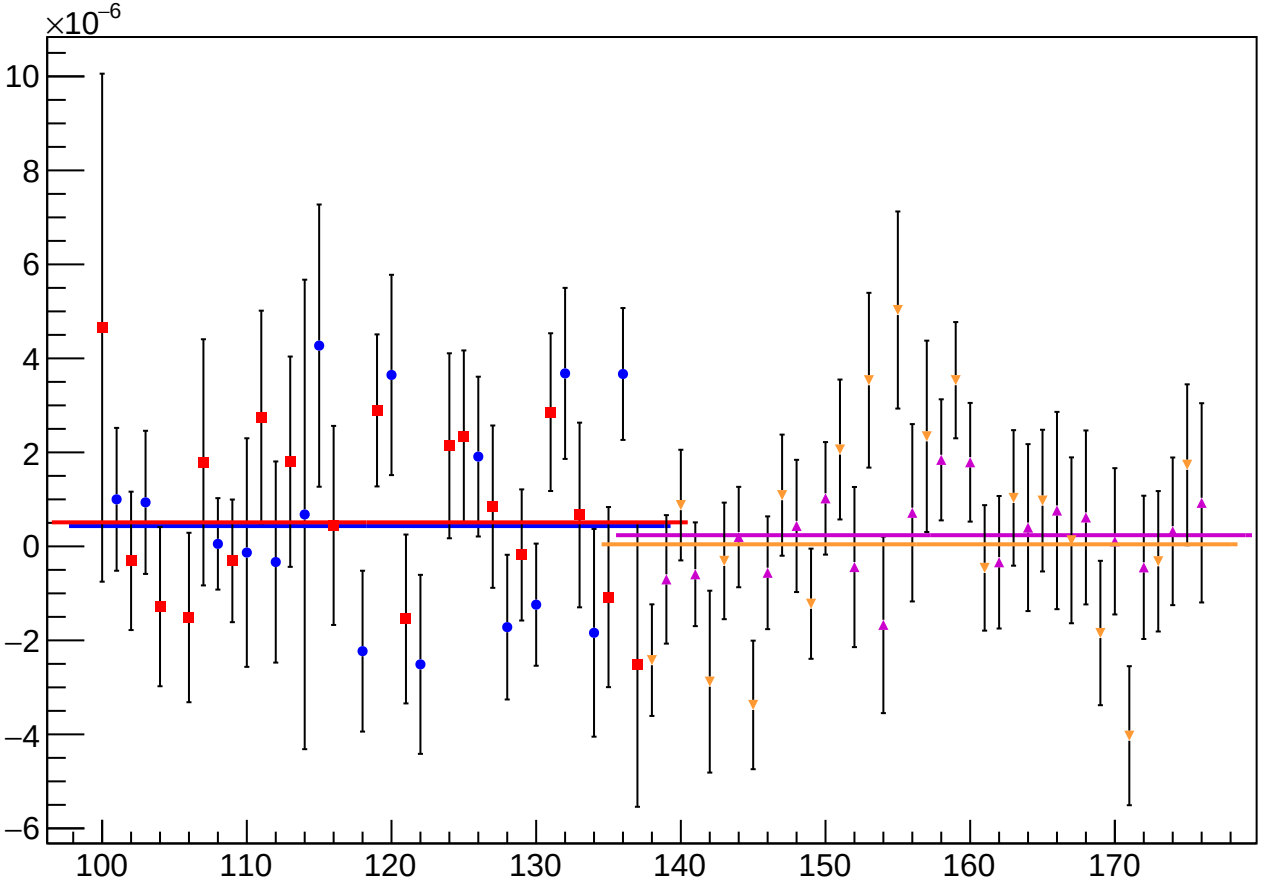
Left In: 14.529+/-0.003 χ^2/NDF:2052218.4/18

+ sign 14.762+/-0.002 χ^2/NDF: 4806826.2/35

All: 14.620+/-0.002 χ^2/NDF: 10496301.3/73

- sign 14.479+/-0.002 χ^2/NDF: 5682385.9/37

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:46.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

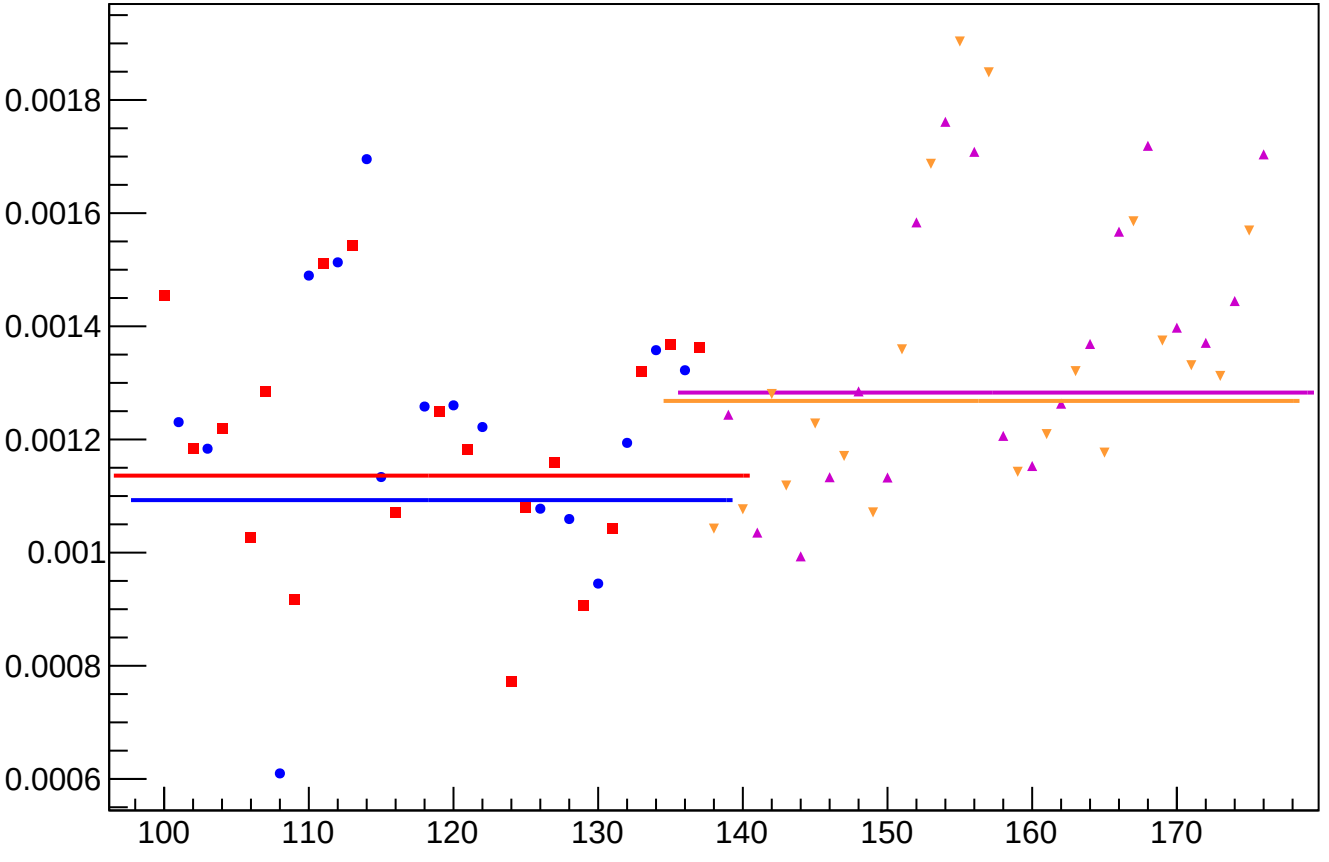
Left In: 0.000+/-0.000 χ^2/NDF:6.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 70.4/35

All: 0.000+/-0.000 χ^2/NDF: 92.0/73

- sign 0.000+/-0.000 χ^2/NDF: 21.4/37

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:855393.0/19

Right Out: 0.001+/-0.000 χ^2/NDF: 407257.8/18

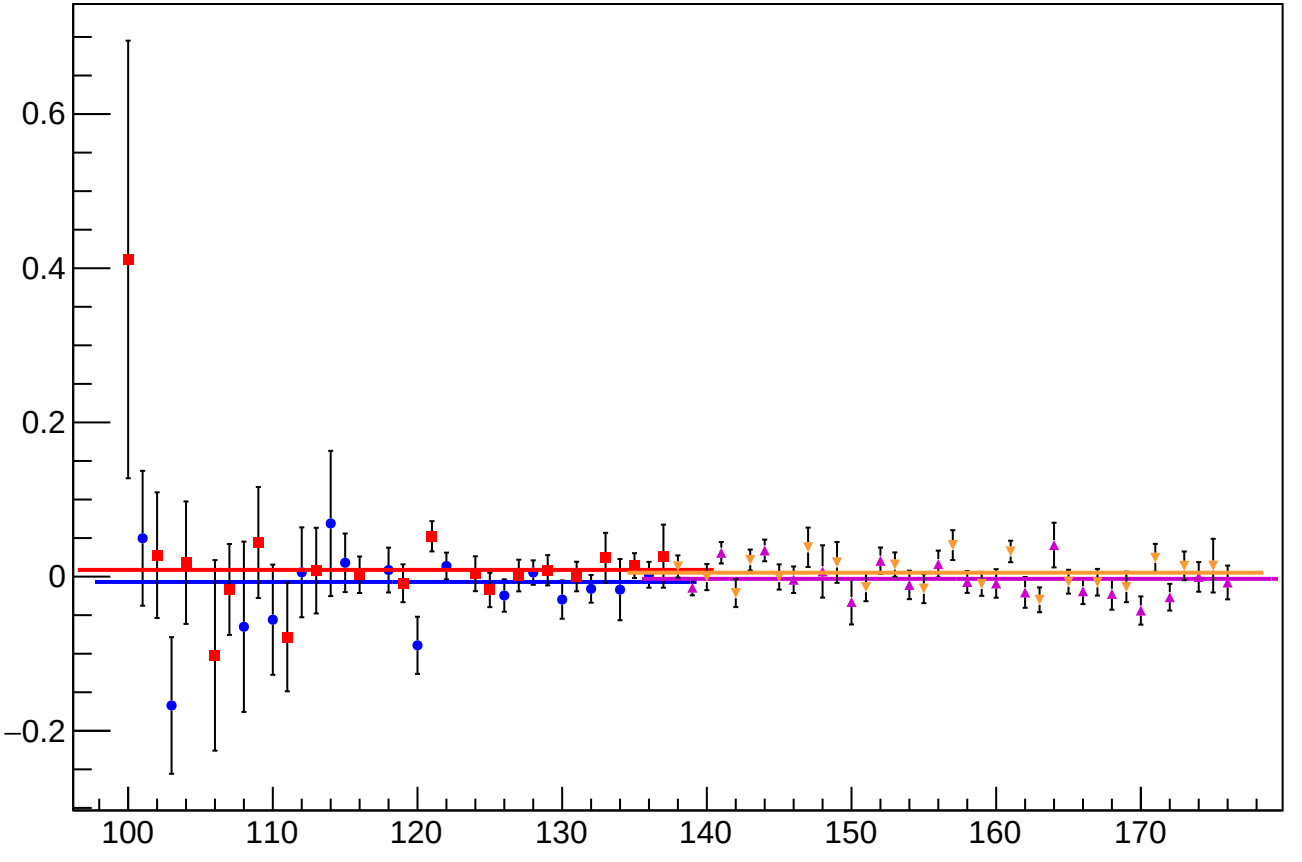
Left In: 0.001+/-0.000 χ^2/NDF:904007.4/18

+ sign 0.001+/-0.000 χ^2/NDF: 1905990.1/35

All: 0.001+/-0.000 χ^2/NDF: 3375097.6/73

- sign 0.001+/-0.000 χ^2/NDF: 1460427.1/37

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

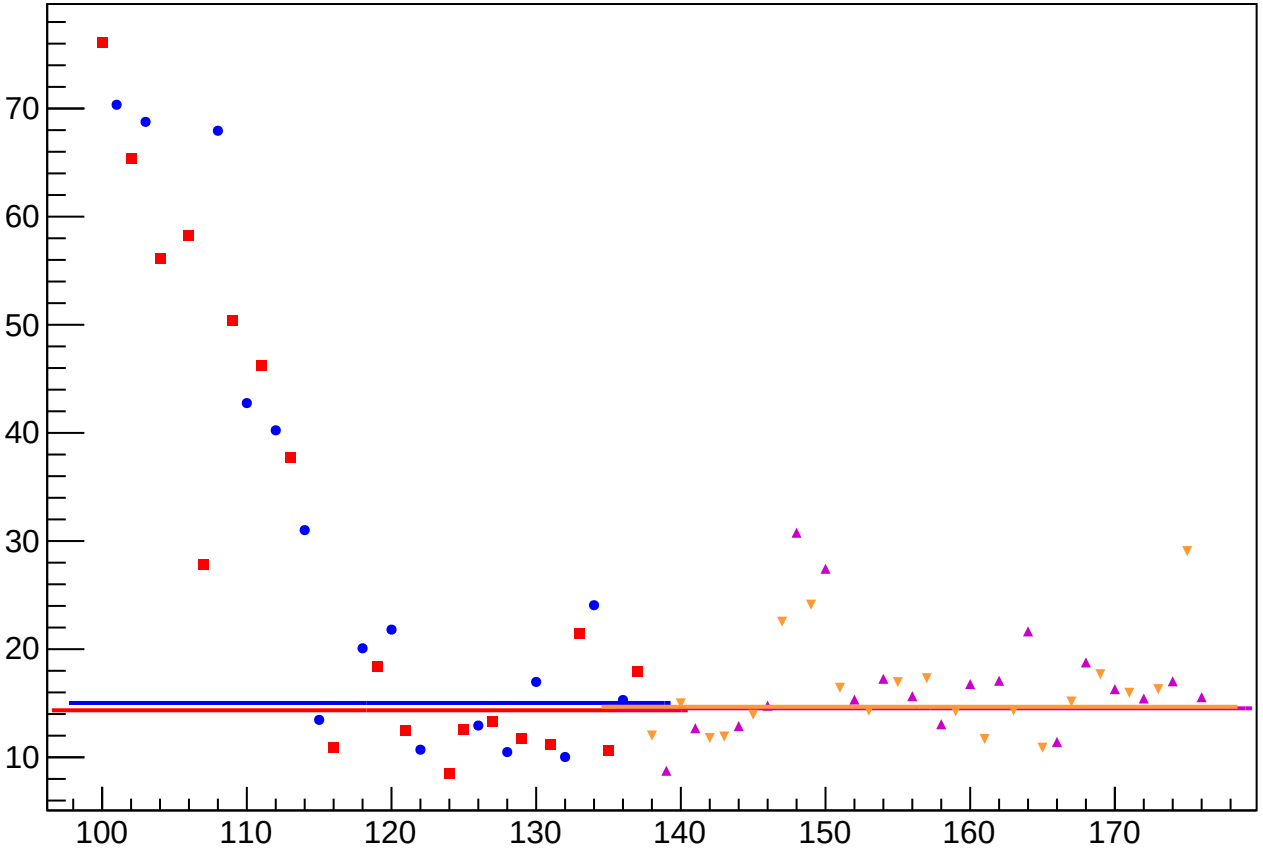
Left In: -0.003+/-0.004 χ^2/NDF:30.5/18

+ sign 0.002+/-0.003 χ^2/NDF: 42.4/35

All: 0.001+/-0.002 χ^2/NDF: 88.2/73

- sign 0.000+/-0.003 χ^2/NDF: 45.6/37

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364542.9/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

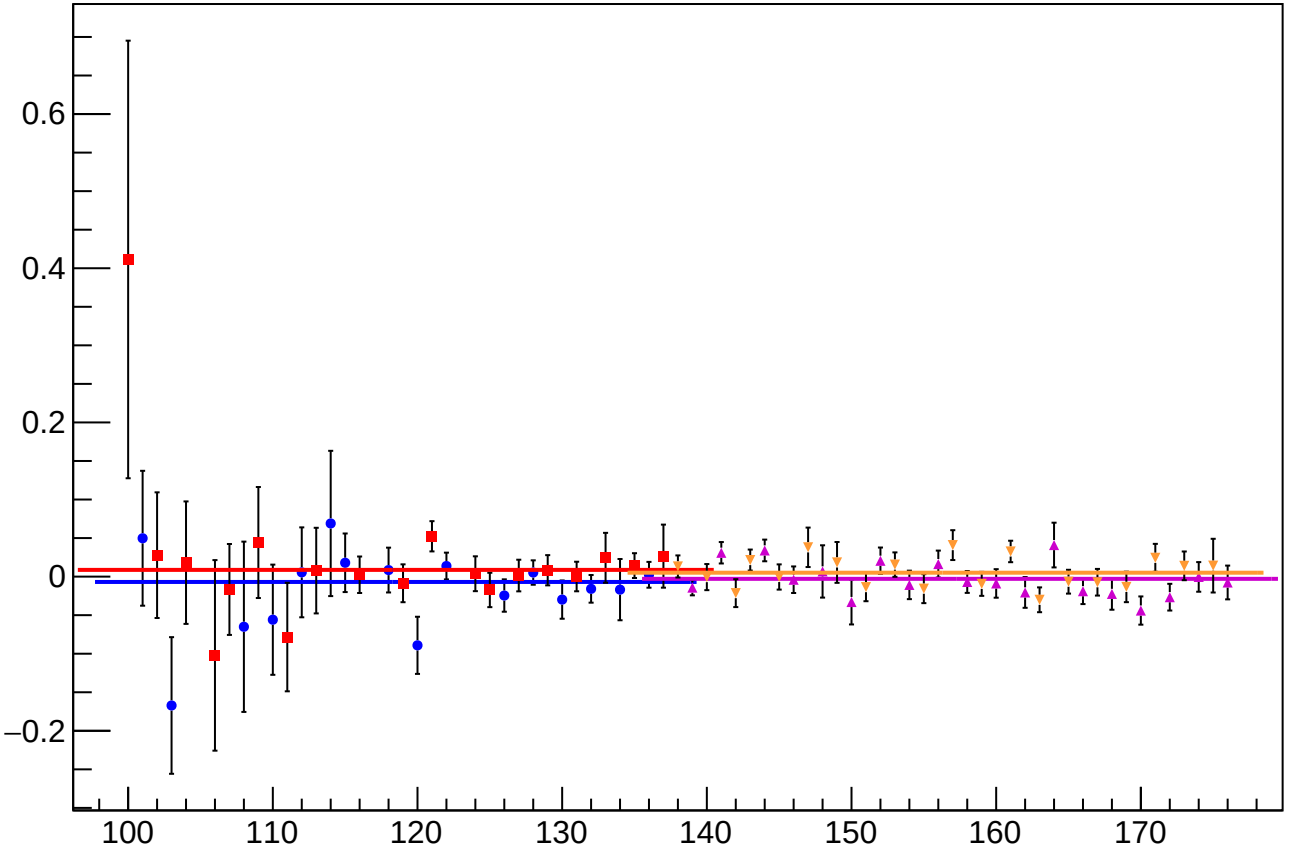
Left In: 14.528+/-0.003 χ^2/NDF:2052274.6/18

\+ sign 14.762+/-0.002 χ^2/NDF: 4806909.9/35

All: 14.620+/-0.002 χ^2/NDF: 10496430.9/73

\- sign 14.478+/-0.002 χ^2/NDF: 5682431.6/37

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

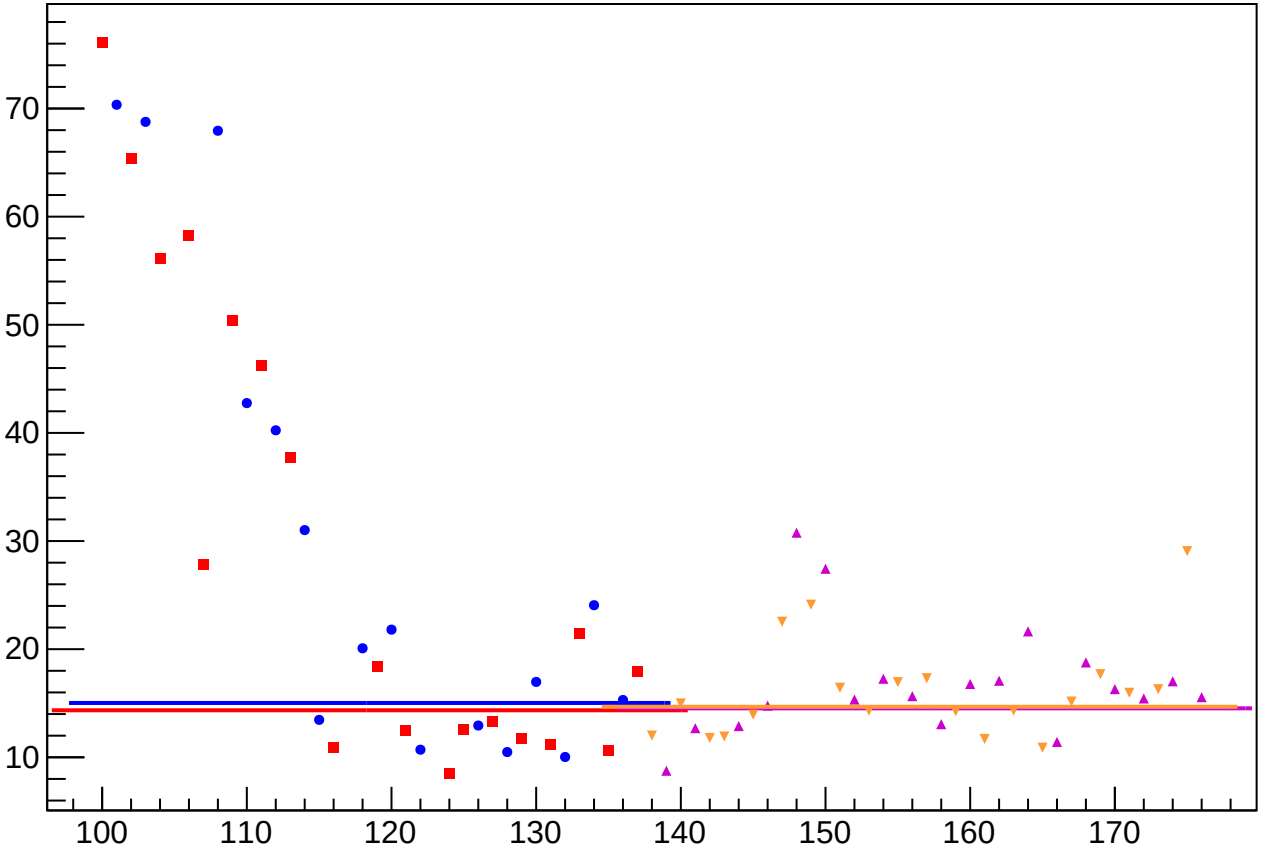
Left In: -0.003+/-0.004 χ^2/NDF:30.5/18

+ sign 0.002+/-0.003 χ^2/NDF: 42.4/35

All: 0.001+/-0.002 χ^2/NDF: 88.2/73

- sign 0.000+/-0.003 χ^2/NDF: 45.6/37

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364542.9/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

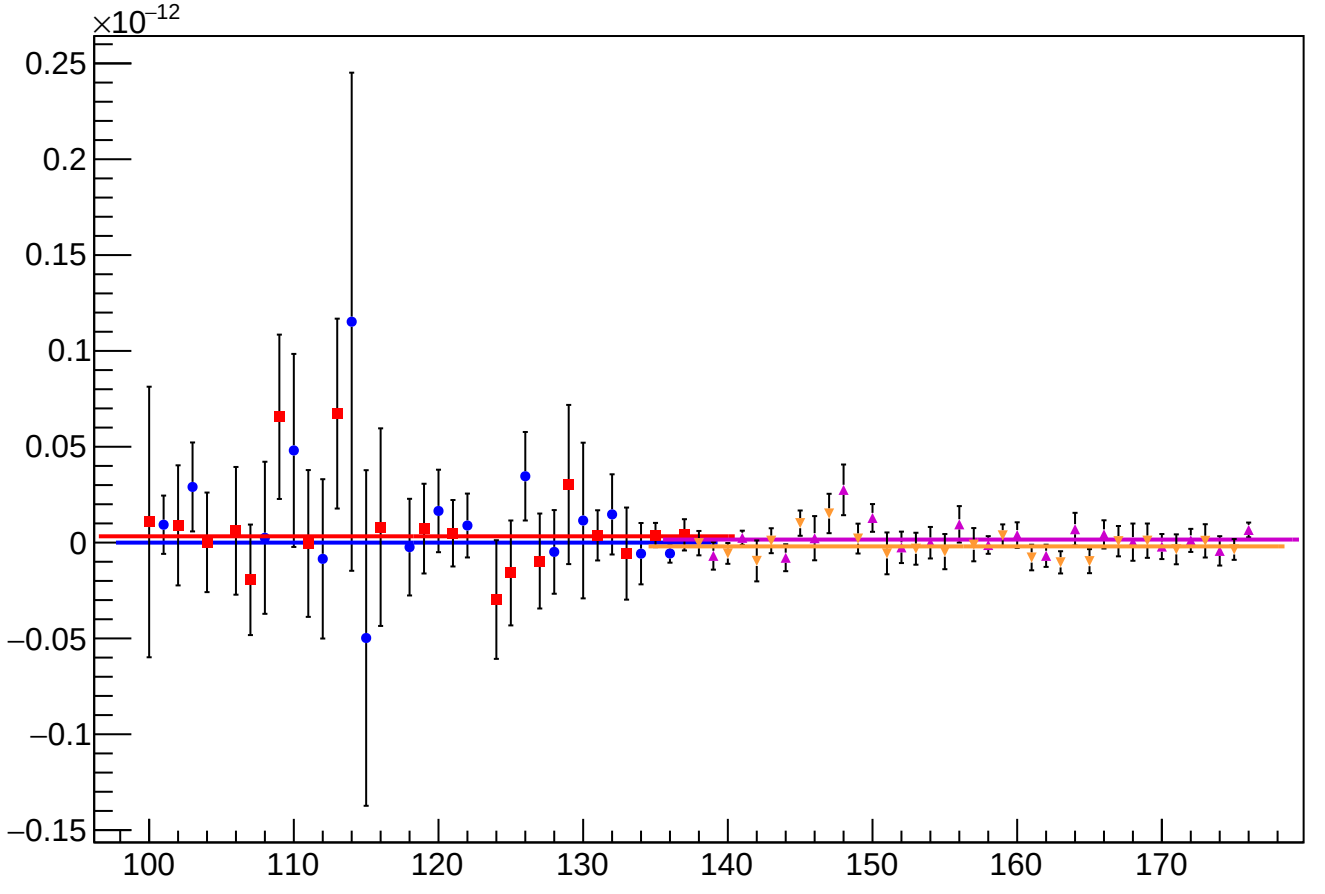
Left In: 14.528+/-0.003 χ^2/NDF:2052274.6/18

+ sign 14.762+/-0.002 χ^2/NDF: 4806909.9/35

All: 14.620+/-0.002 χ^2/NDF: 10496430.9/73

- sign 14.478+/-0.002 χ^2/NDF: 5682431.6/37

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:13.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

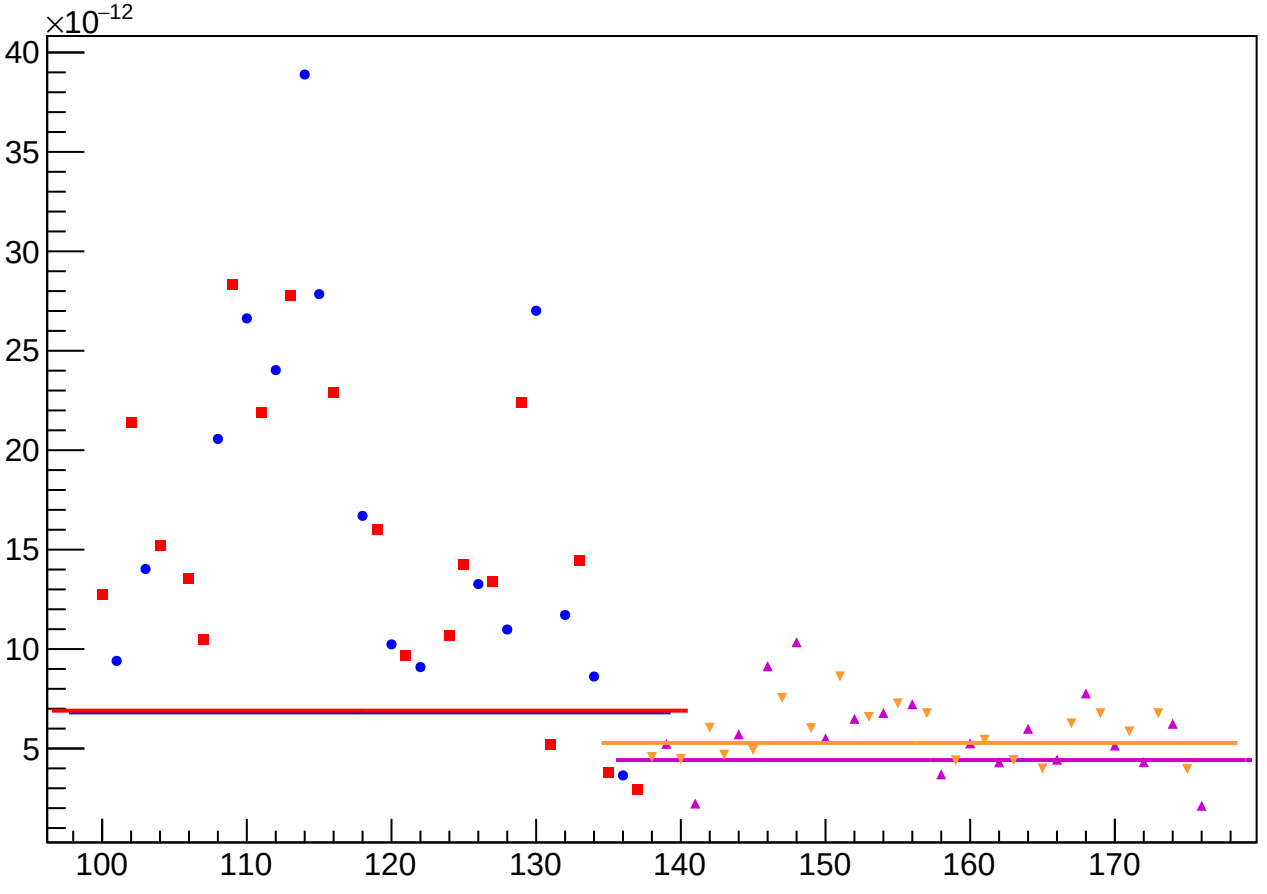
Left In: 0.000+/-0.000 χ^2/NDF:16.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 23.2/35

All: 0.000+/-0.000 χ^2/NDF: 49.7/73

- sign 0.000+/-0.000 χ^2/NDF: 23.5/37

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:1056783.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

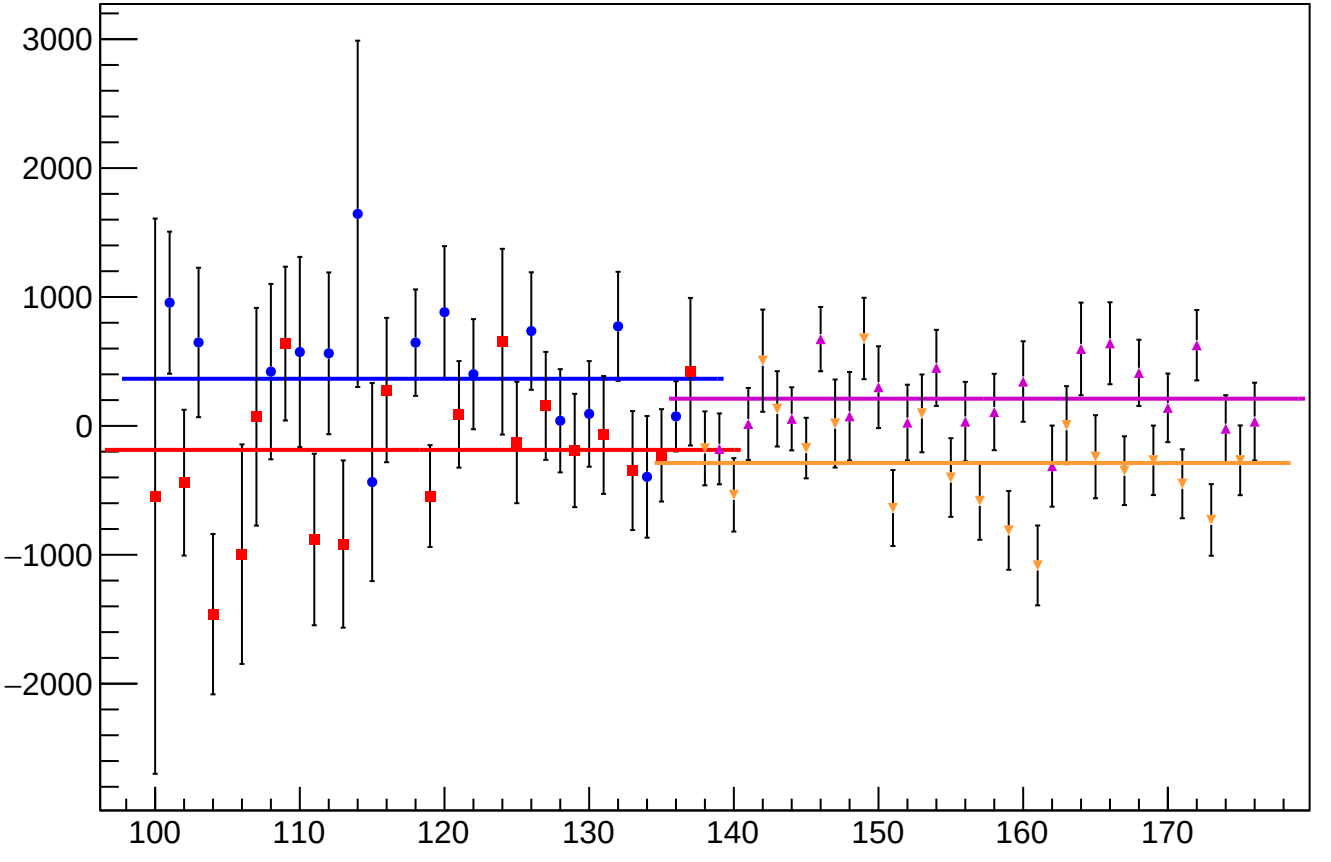
Left In: 0.000+/-0.000 χ^2/NDF:3278222.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 4846840.6/35

All: 0.000+/-0.000 χ^2/NDF: 13369672.4/73

- sign 0.000+/-0.000 χ^2/NDF: 8214642.8/37

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -287.705+/-65.429 χ^2/NDF:34.9/19

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

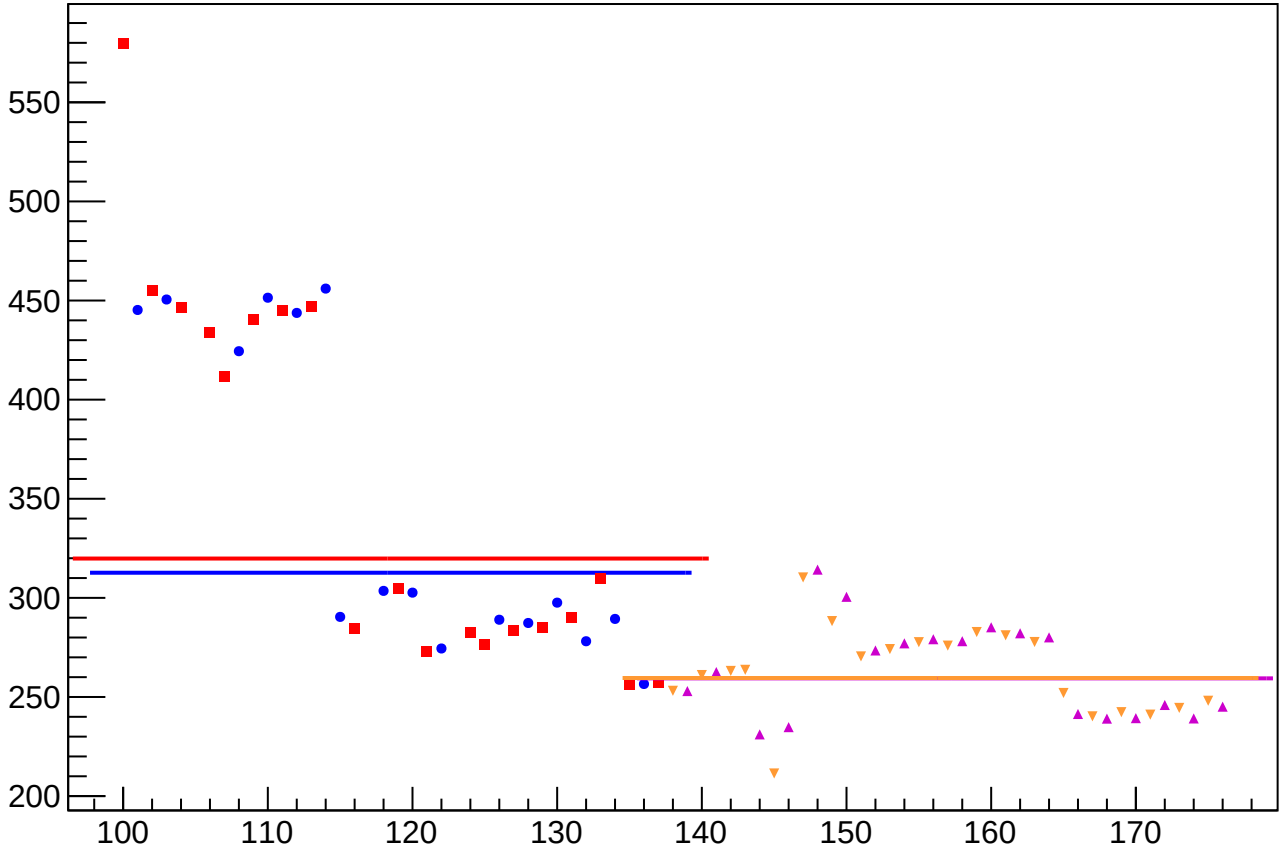
Left In: 210.907+/-66.135 χ^2/NDF:18.2/18

+ sign -135.819+/-57.320 χ^2/NDF: 69.6/35

All: -9.970+/-40.749 χ^2/NDF: 120.9/73

- sign 118.627+/-57.942 χ^2/NDF: 41.5/37

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 259.577+/-0.046 χ^2/NDF:233887.7/19

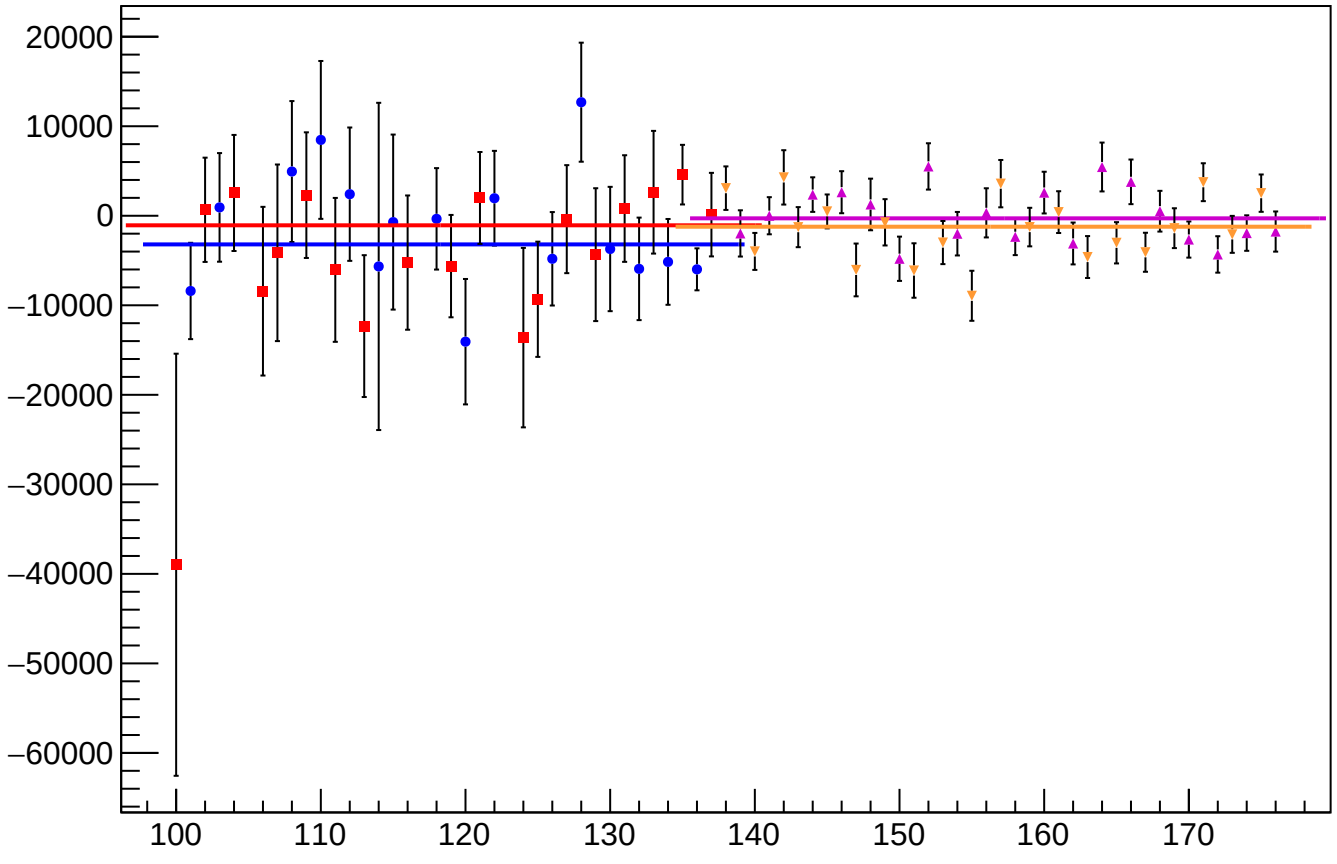
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 259.394+/-0.047 χ^2/NDF:242411.2/18

+ sign 271.925+/-0.041 χ^2/NDF: 1142446.3/35

All: 272.675+/-0.029 χ^2/NDF: 2471743.9/73

- sign 273.443+/-0.041 χ^2/NDF: 1328603.8/37



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1222.962+/-521.486 χ^2/NDF:39.6/19

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

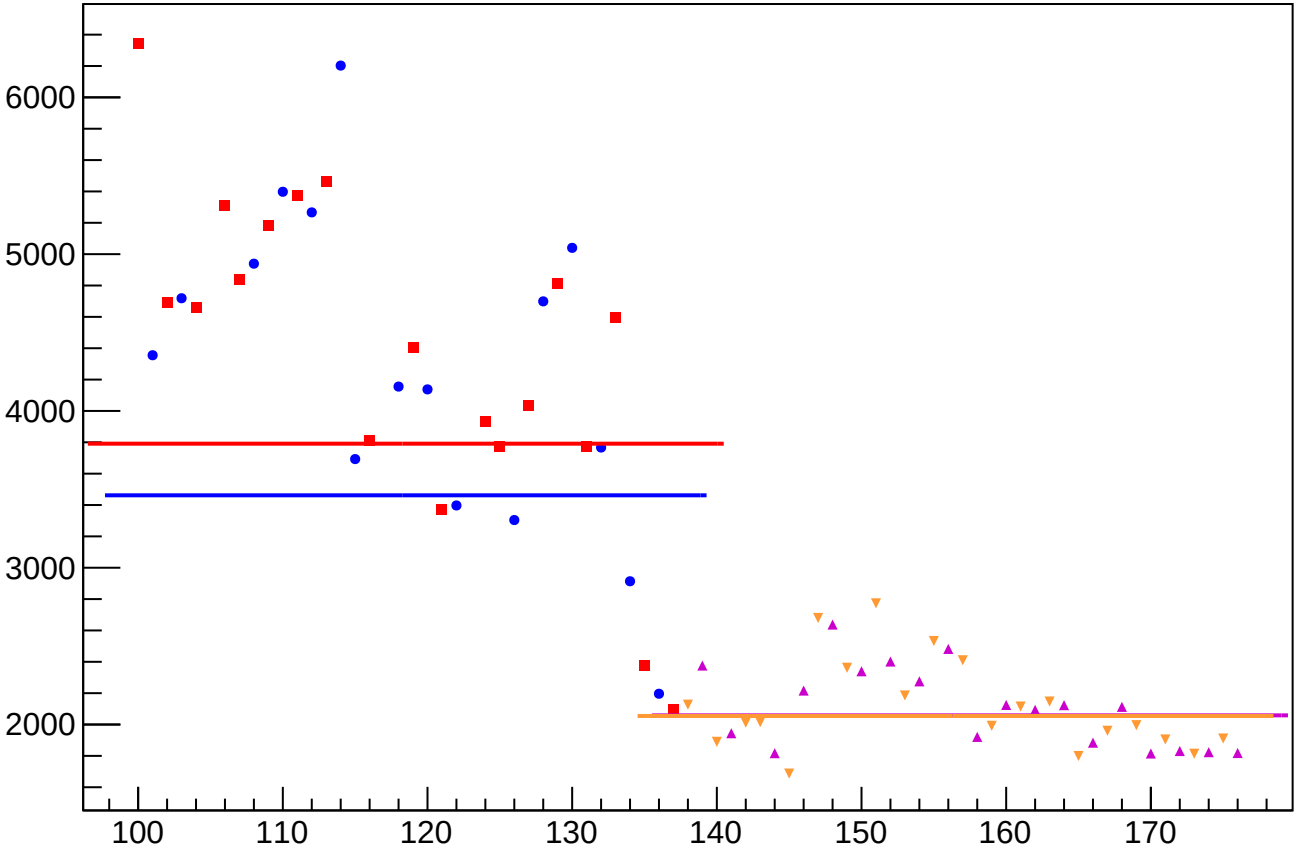
Left In: -287.827+/-526.954 χ^2/NDF:30.7/18

+ sign -1478.245+/-486.631 χ^2/NDF: 57.6/35

All: -938.159+/-347.020 χ^2/NDF: 105.4/73

- sign -379.347+/-494.996 χ^2/NDF: 45.3/37

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2054.595+/-0.369 χ^2/NDF:503640.9/19

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

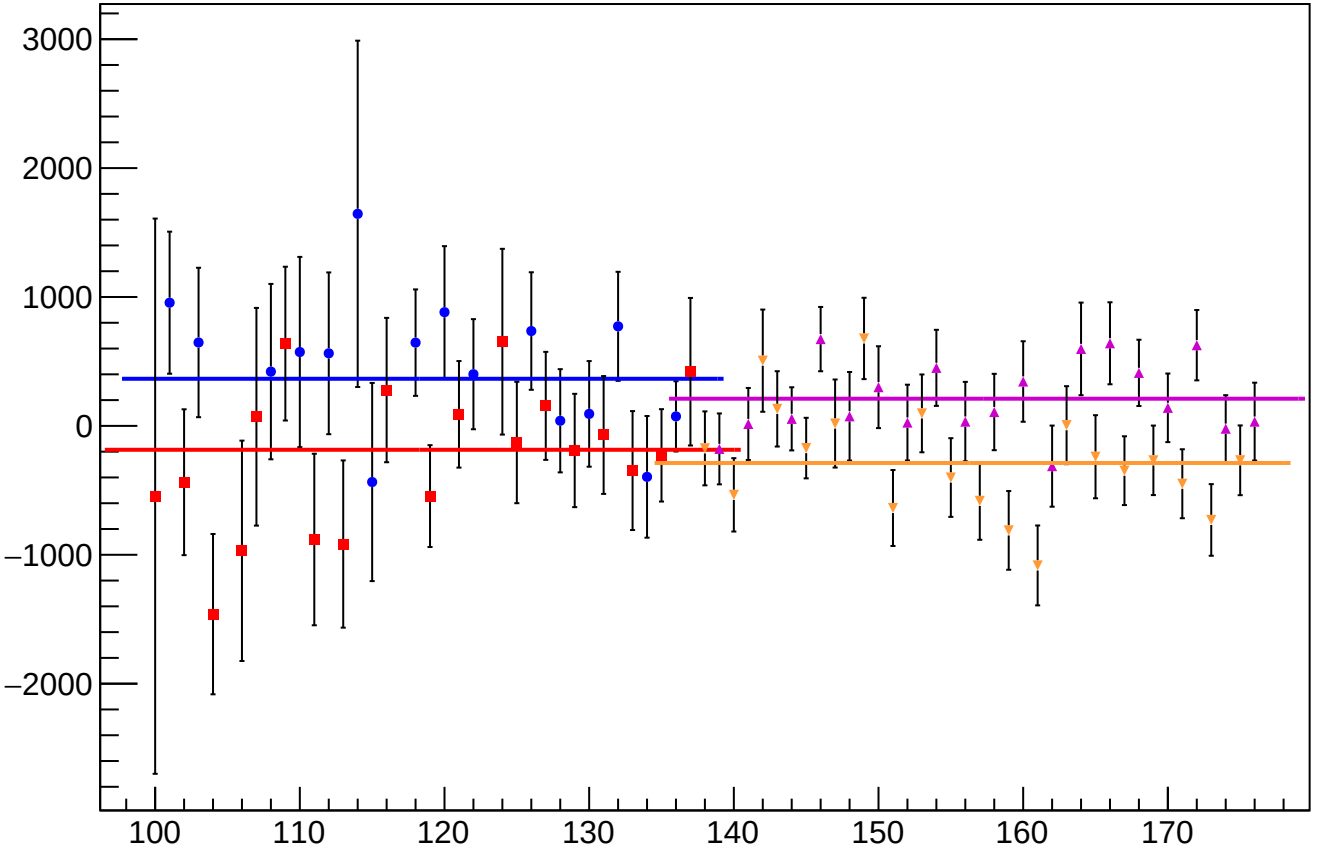
Left In: 2058.485+/-0.373 χ^2/NDF:410123.8/18

+ sign 2236.431+/-0.344 χ^2/NDF: 3695226.1/35

All: 2249.137+/-0.245 χ^2/NDF: 7807286.9/73

- sign 2262.284+/-0.350 χ^2/NDF: 4109286.5/37

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -287.702+/-65.429 χ^2/NDF:34.9/19

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

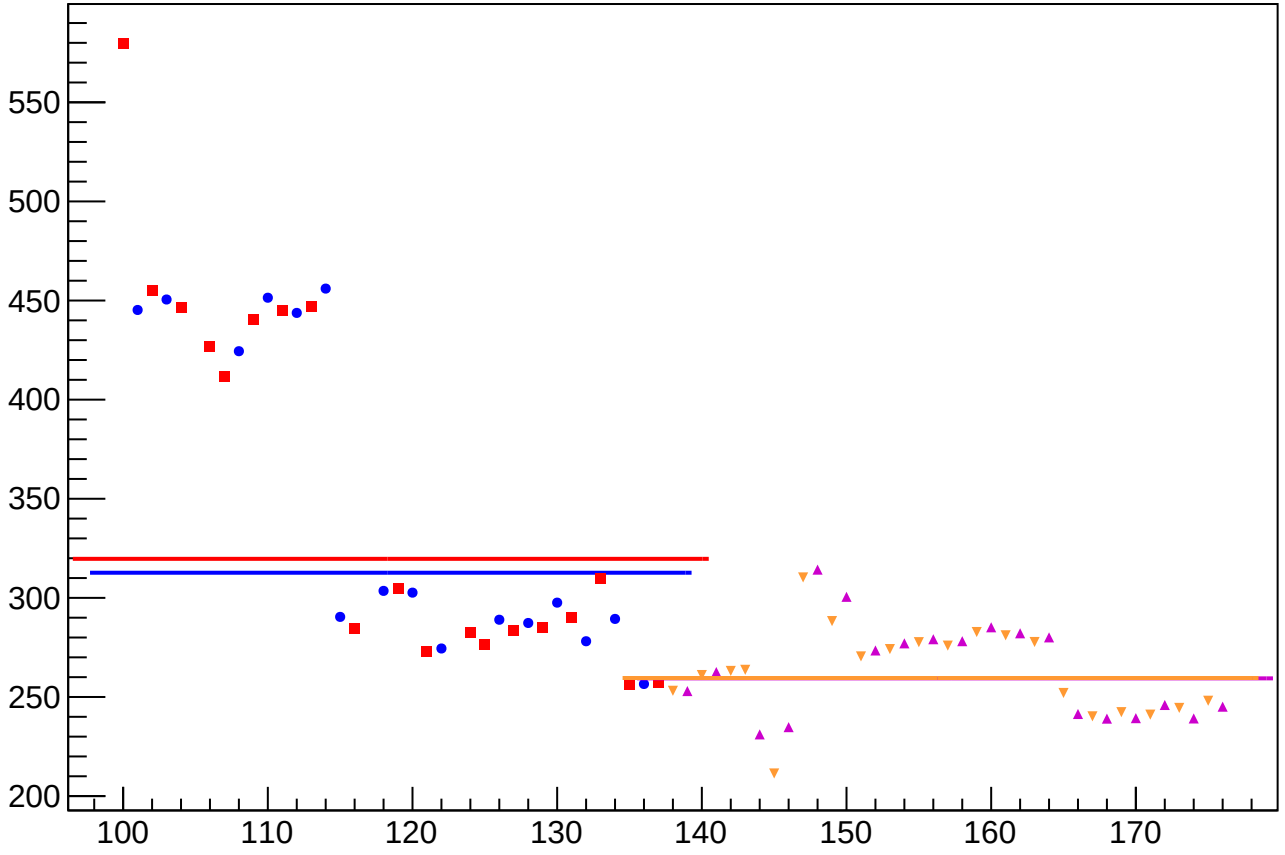
Left In: 210.913+/-66.135 χ^2/NDF:18.2/18

+ sign -135.821+/-57.320 χ^2/NDF: 69.6/35

All: -9.871+/-40.750 χ^2/NDF: 120.8/73

- sign 118.833+/-57.943 χ^2/NDF: 41.4/37

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.577+/-0.046 χ^2/NDF:233887.7/19

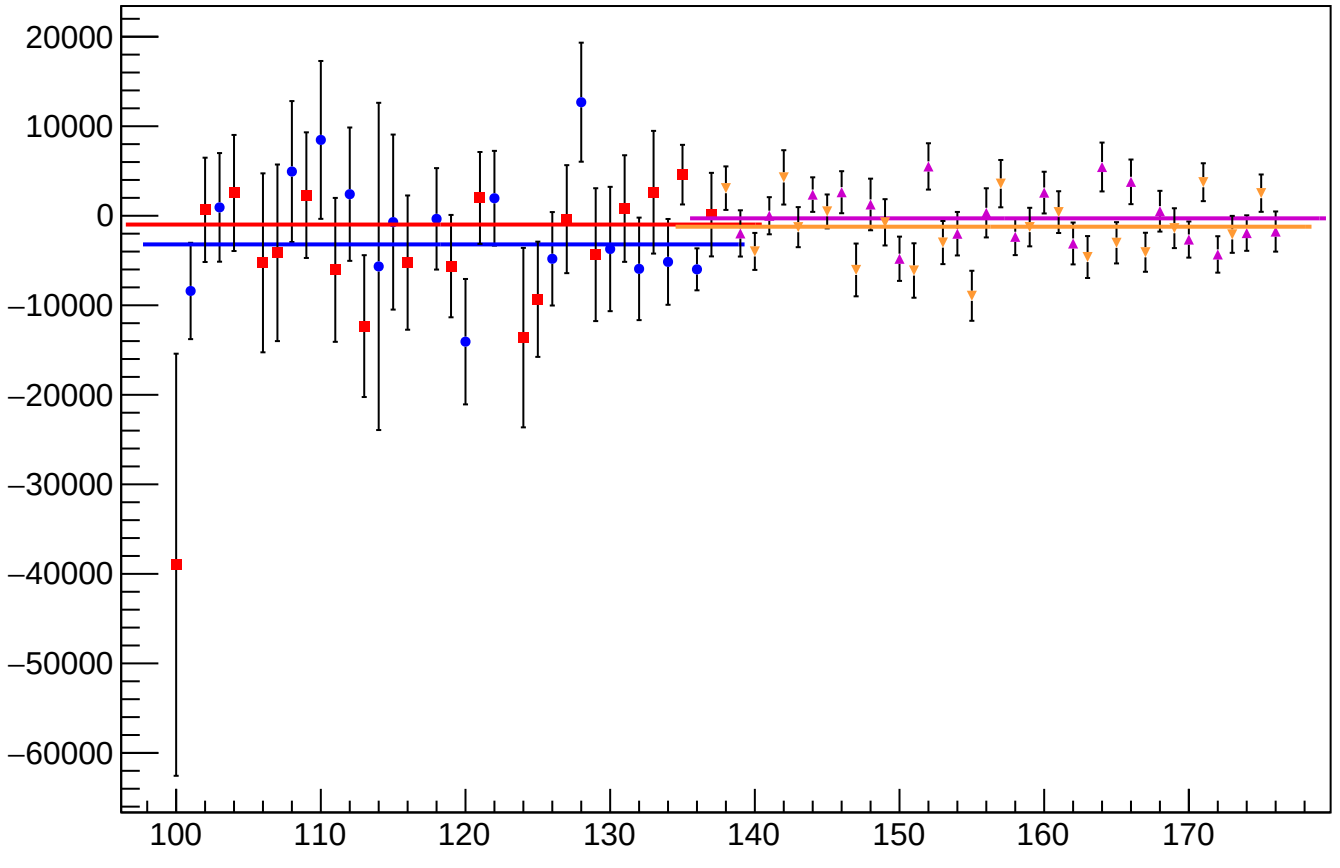
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.394+/-0.047 χ^2/NDF:242411.2/18

+ sign 271.925+/-0.041 χ^2/NDF: 1142447.9/35

All: 272.657+/-0.029 χ^2/NDF: 2465592.6/73

- sign 273.406+/-0.041 χ^2/NDF: 1322483.9/37



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1222.957+/-521.486 χ^2/NDF:39.6/19

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

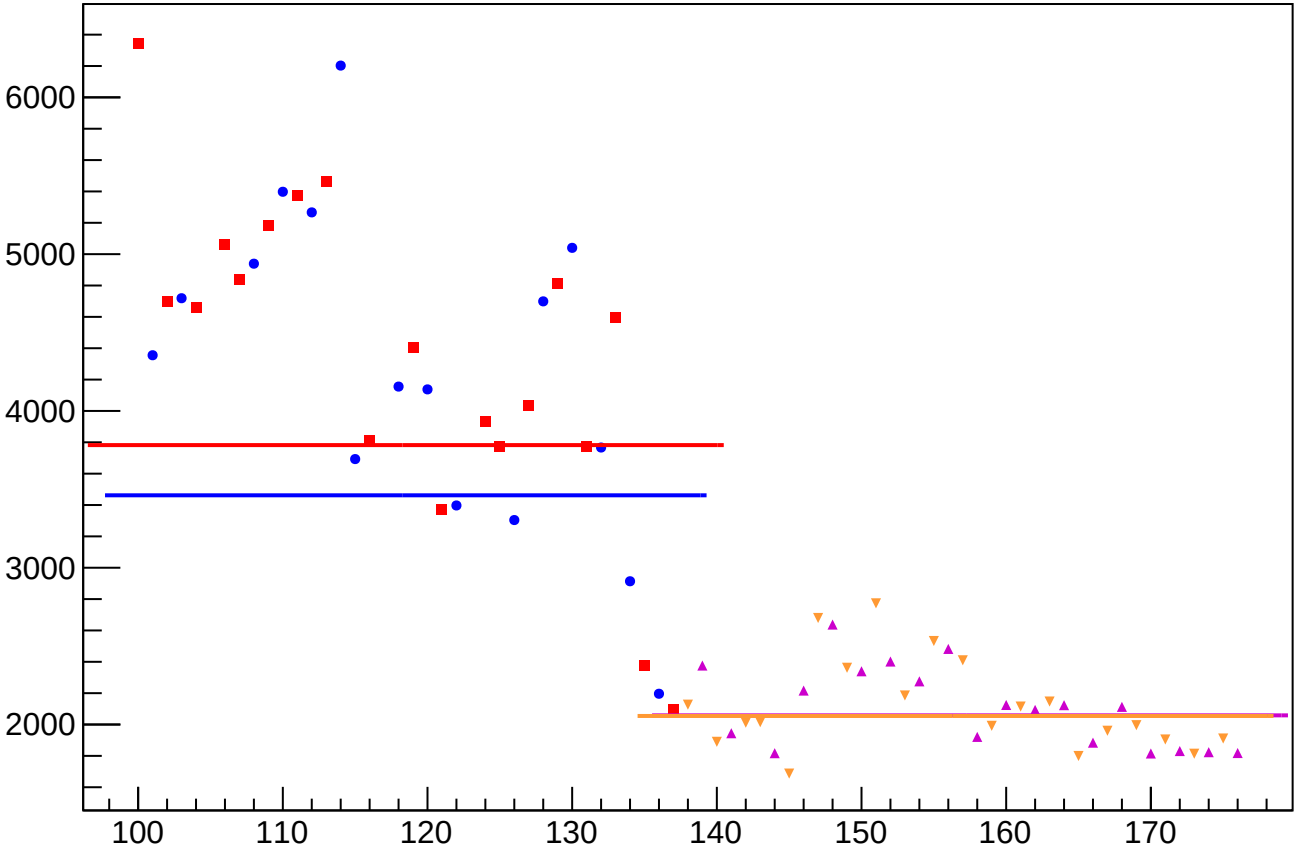
Left In: -287.828+/-526.954 χ^2/NDF:30.7/18

+ sign -1478.230+/-486.632 χ^2/NDF: 57.6/35

All: -933.230+/-347.047 χ^2/NDF: 105.0/73

- sign -369.157+/-495.074 χ^2/NDF: 44.8/37

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2054.596+/-0.369 χ^2/NDF:503641.4/19

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

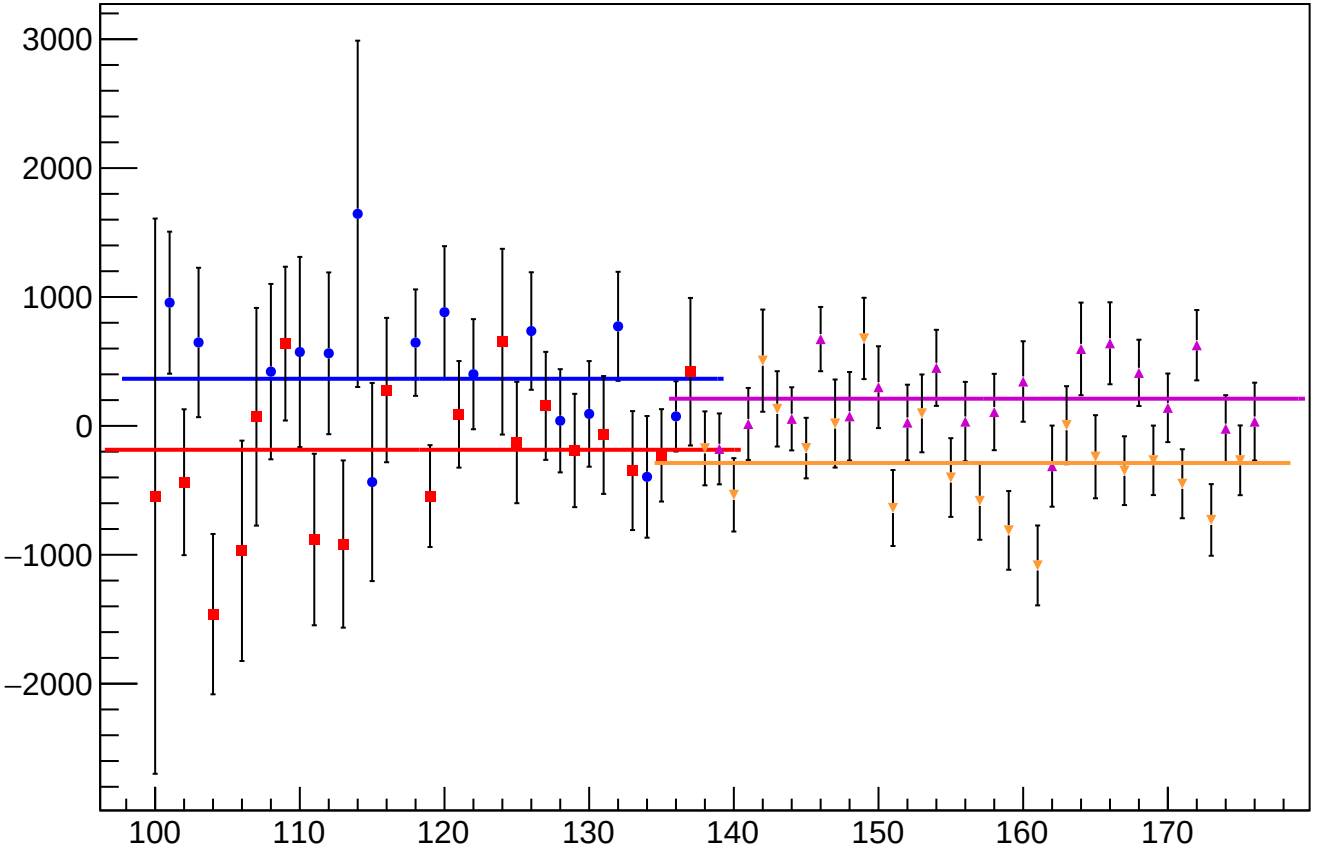
Left In: 2058.485+/-0.373 χ^2/NDF:410127.3/18

+ sign 2236.431+/-0.344 χ^2/NDF: 3695247.0/35

All: 2248.378+/-0.245 χ^2/NDF: 7755176.5/73

- sign 2260.742+/-0.350 χ^2/NDF: 4057476.7/37

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -287.702+/-65.429 χ^2/NDF:34.9/19

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

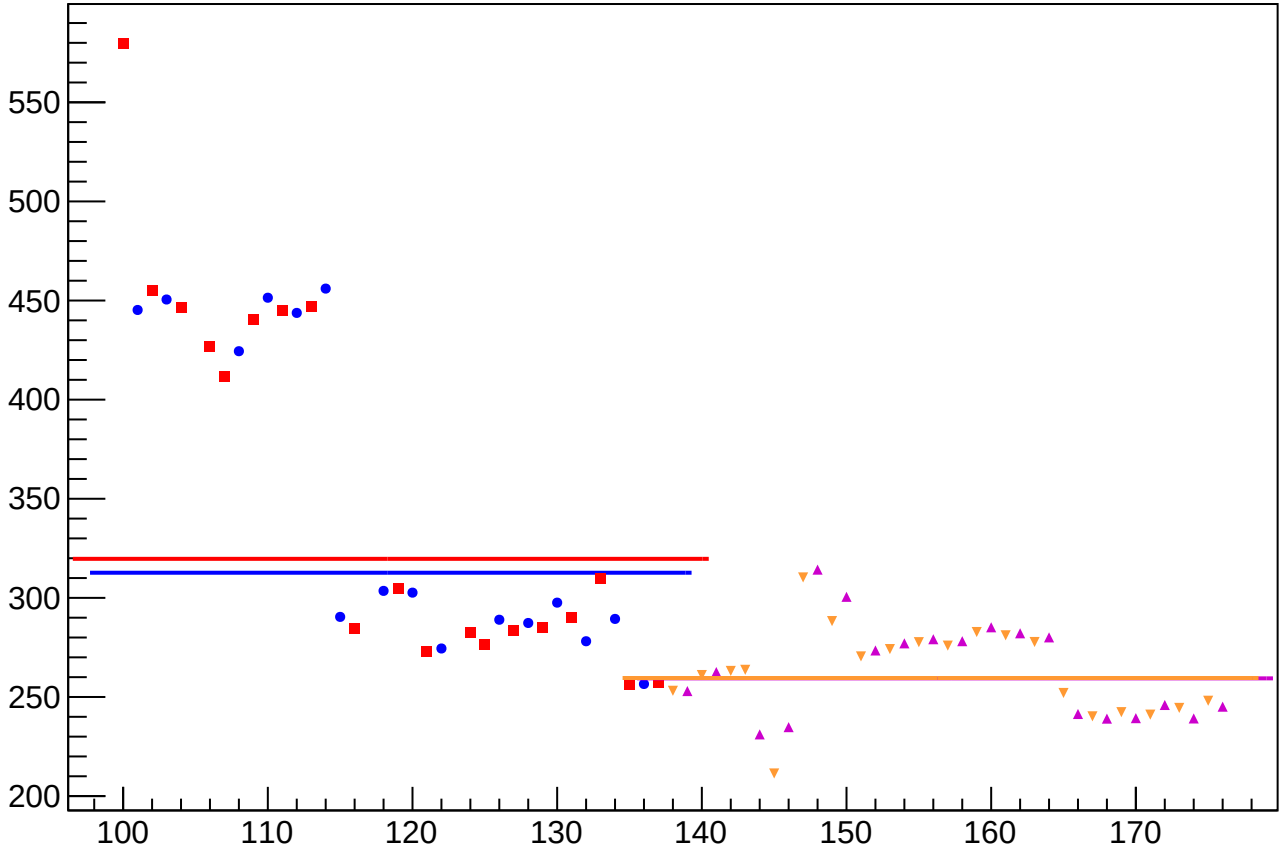
Left In: 210.913+/-66.135 χ^2/NDF:18.2/18

+ sign -135.821+/-57.320 χ^2/NDF: 69.6/35

All: -9.871+/-40.750 χ^2/NDF: 120.8/73

- sign 118.833+/-57.943 χ^2/NDF: 41.4/37

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.577+/-0.046 χ^2/NDF:233887.7/19

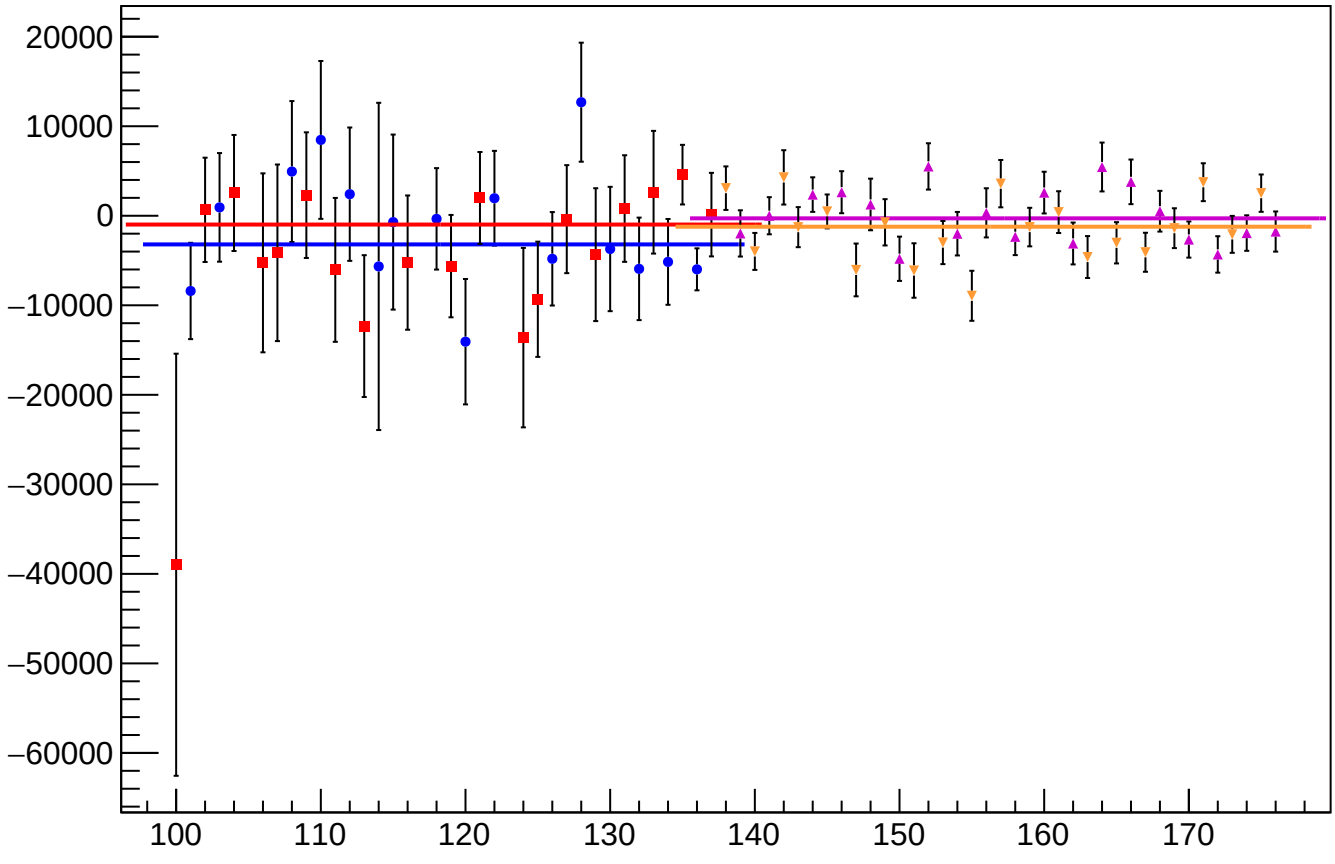
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.394+/-0.047 χ^2/NDF:242411.2/18

+ sign 271.925+/-0.041 χ^2/NDF: 1142447.9/35

All: 272.657+/-0.029 χ^2/NDF: 2465592.6/73

- sign 273.406+/-0.041 χ^2/NDF: 1322483.9/37



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1222.957+/-521.486 χ^2/NDF:39.6/19

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

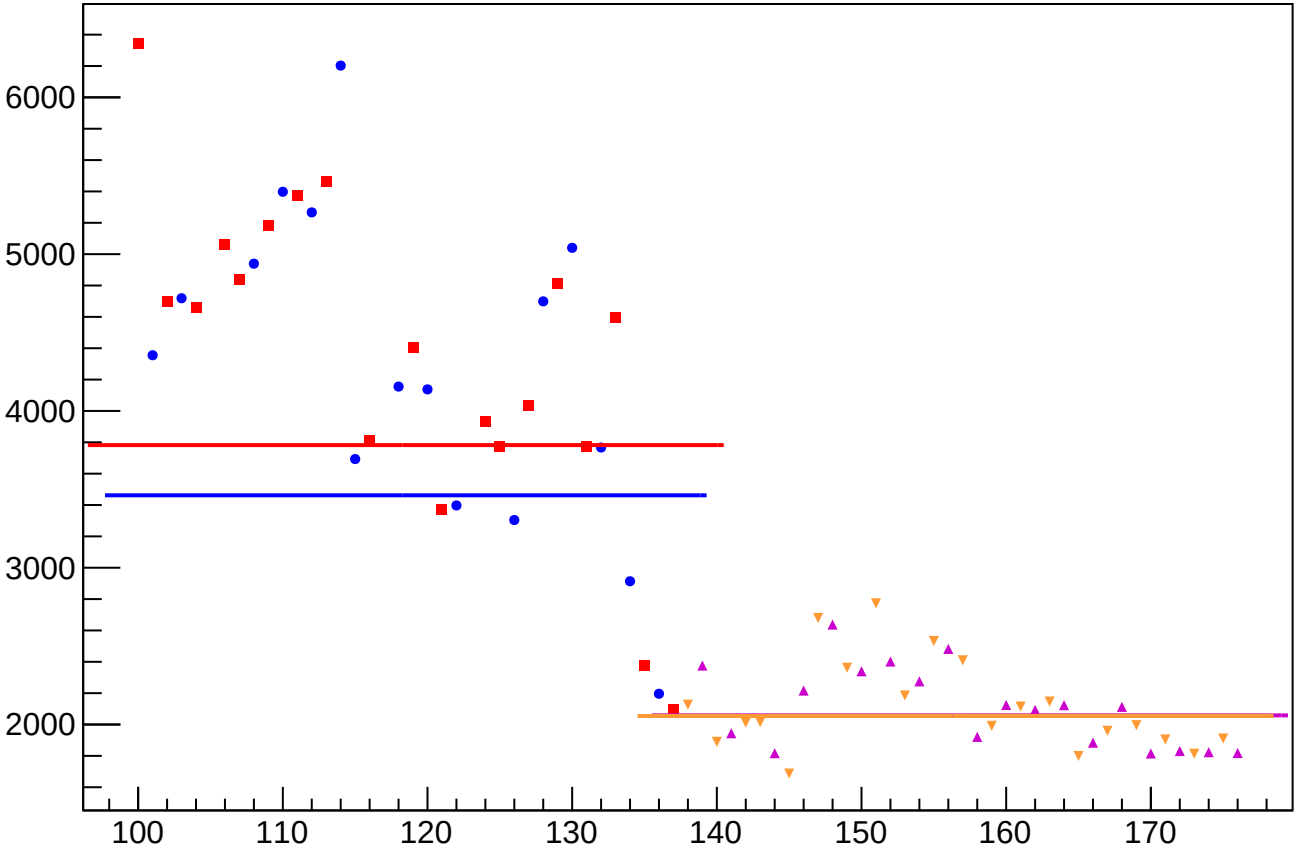
Left In: -287.828+/-526.954 χ^2/NDF:30.7/18

+ sign -1478.230+/-486.632 χ^2/NDF: 57.6/35

All: -933.230+/-347.047 χ^2/NDF: 105.0/73

- sign -369.157+/-495.074 χ^2/NDF: 44.8/37

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2054.596+/-0.369 χ^2/NDF:503641.4/19

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

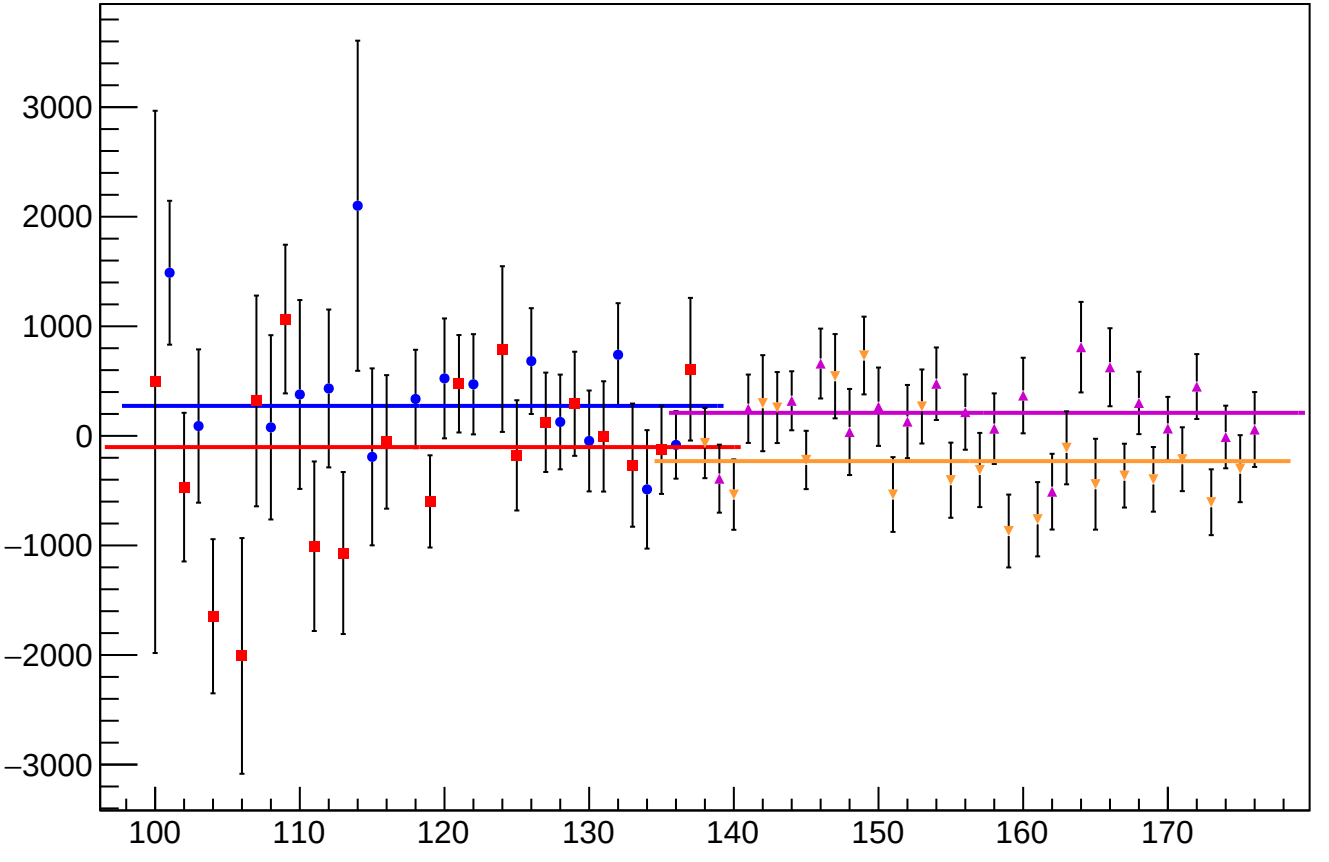
Left In: 2058.485+/-0.373 χ^2/NDF:410127.3/18

+ sign 2236.431+/-0.344 χ^2/NDF: 3695247.0/35

All: 2248.378+/-0.245 χ^2/NDF: 7755176.5/73

- sign 2260.742+/-0.350 χ^2/NDF: 4057476.7/37

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -230.537+/-73.135 χ^2/NDF:28.3/19

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

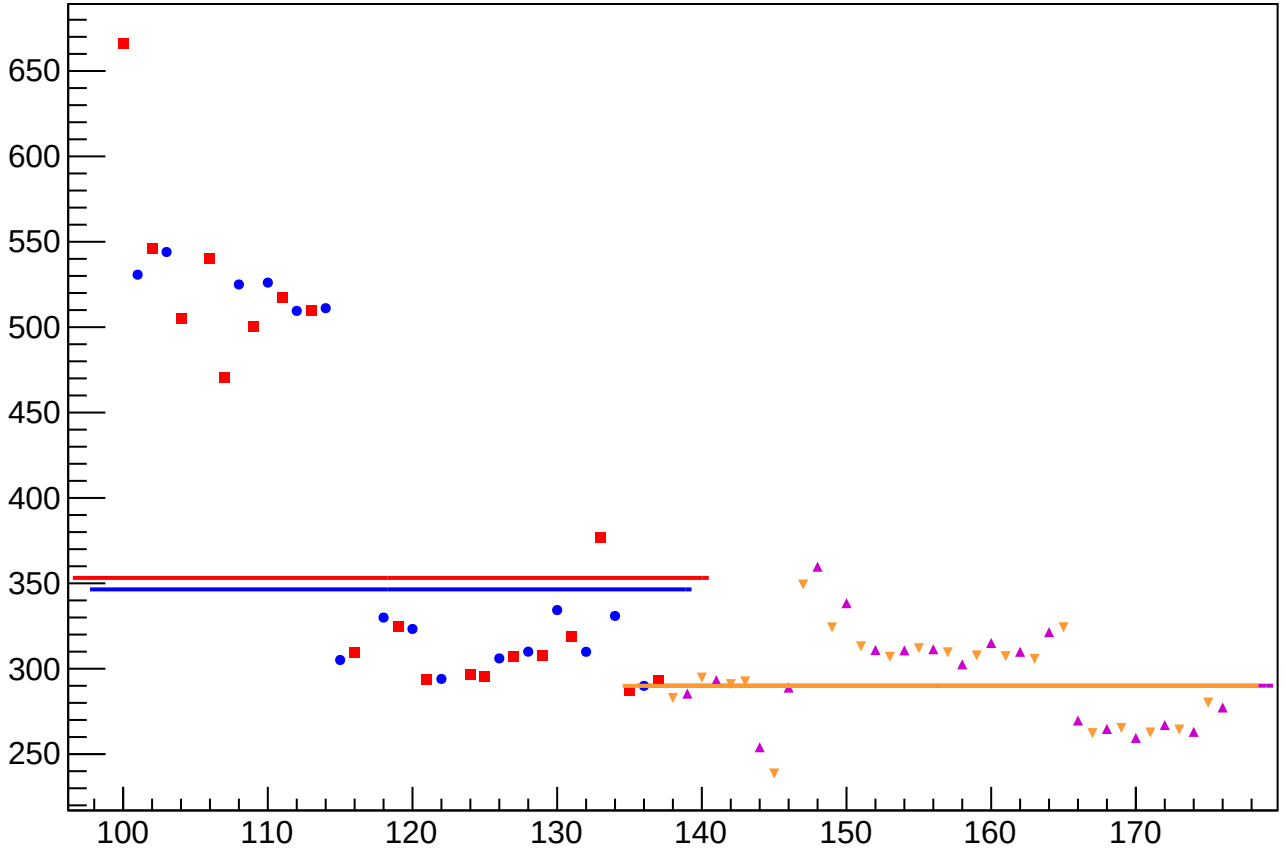
Left In: 210.274+/-74.156 χ^2/NDF:16.8/18

+ sign -112.866+/-64.033 χ^2/NDF: 50.8/35

All: 10.331+/-45.560 χ^2/NDF: 100.7/73

- sign 136.644+/-64.838 χ^2/NDF: 42.3/37

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 289.945+/-0.052 χ^2/NDF:266604.8/19

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

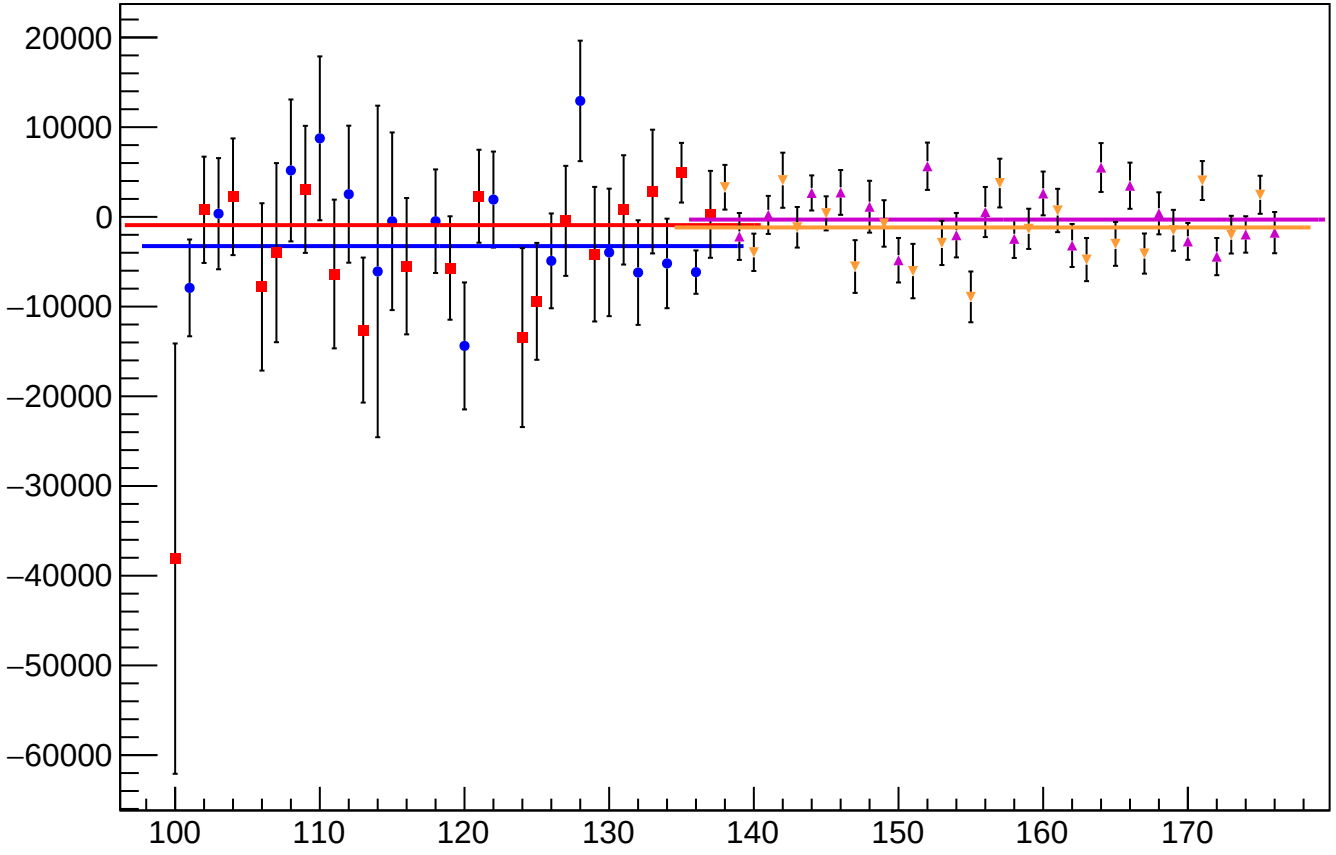
Left In: 290.070+/-0.052 χ^2/NDF:268545.8/18

+ sign 303.136+/-0.045 χ^2/NDF: 1314080.5/35

All: 304.023+/-0.032 χ^2/NDF: 2790894.6/73

- sign 304.932+/-0.046 χ^2/NDF: 1476036.7/37

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1180.527+/-532.015 χ^2/NDF:38.7/19

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

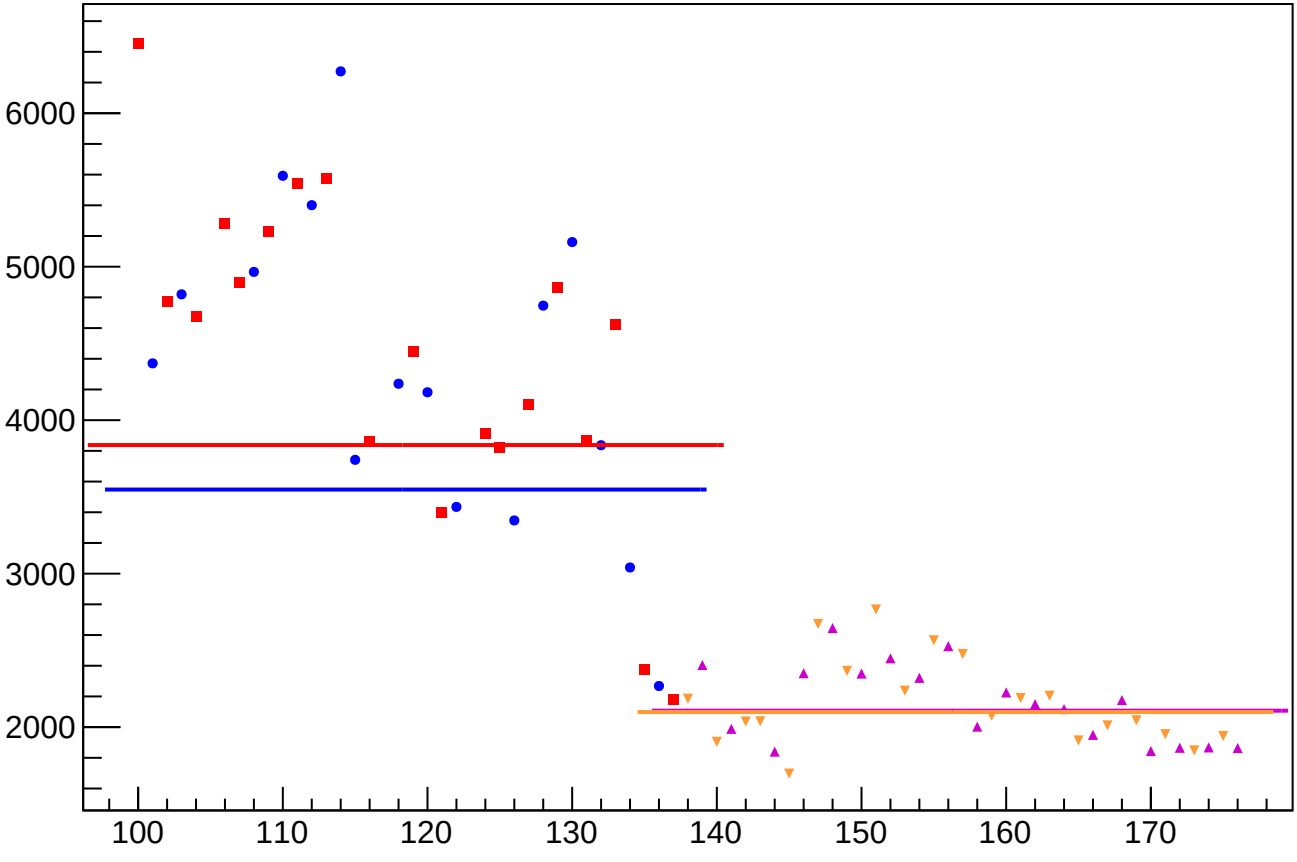
Left In: -301.616+/-539.290 χ^2/NDF:30.7/18

+ sign -1448.047+/-496.595 χ^2/NDF: 56.7/35

All: -921.955+/-354.394 χ^2/NDF: 104.5/73

- sign -375.937+/-505.912 χ^2/NDF: 45.5/37

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2098.264+/-0.376 χ^2/NDF:476199.9/19

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

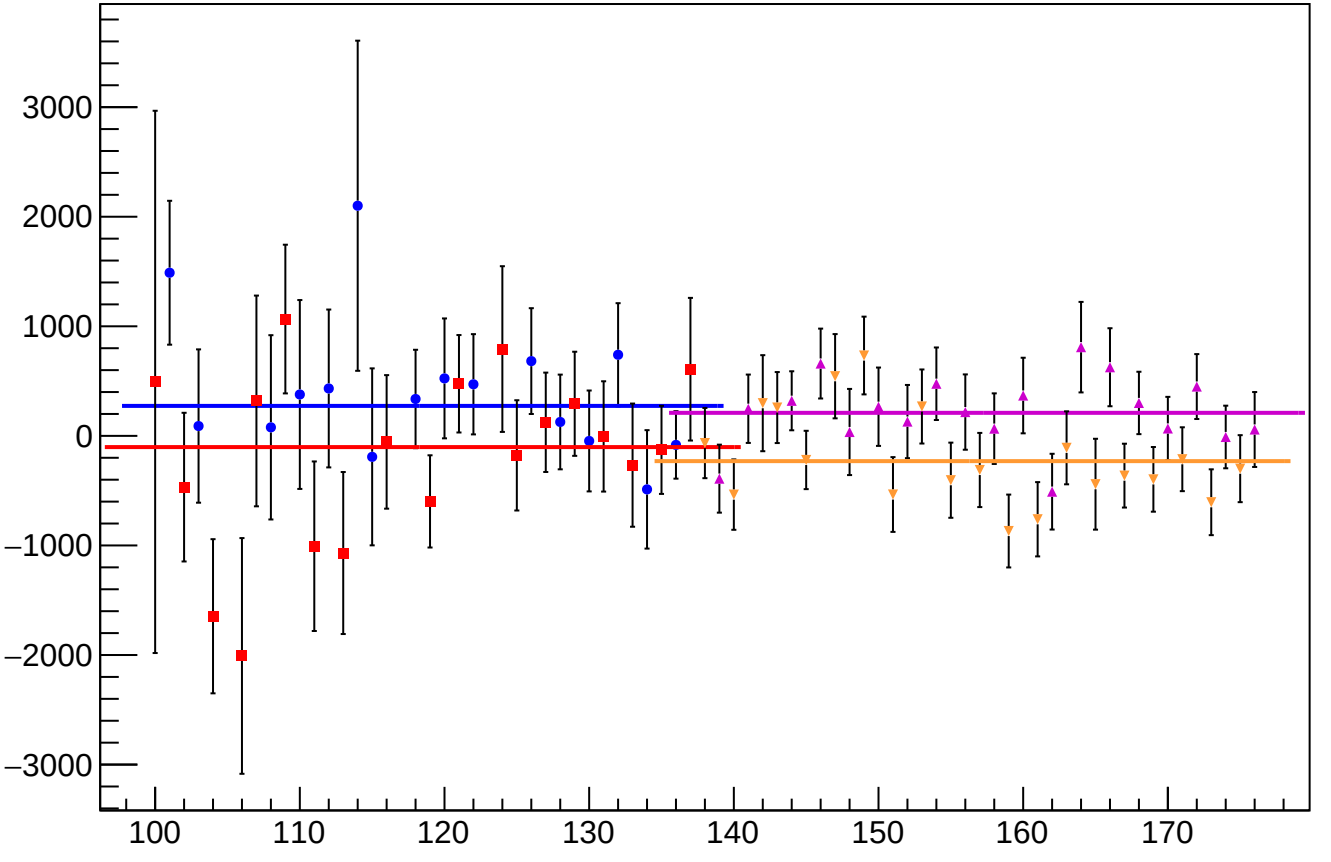
Left In: 2107.262+/-0.381 χ^2/NDF:400120.6/18

+ sign 2284.870+/-0.351 χ^2/NDF: 3646243.9/35

All: 2299.590+/-0.251 χ^2/NDF: 7676617.4/73

- sign 2314.867+/-0.358 χ^2/NDF: 4026792.7/37

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -230.541+/-73.135 χ^2/NDF:28.3/19

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

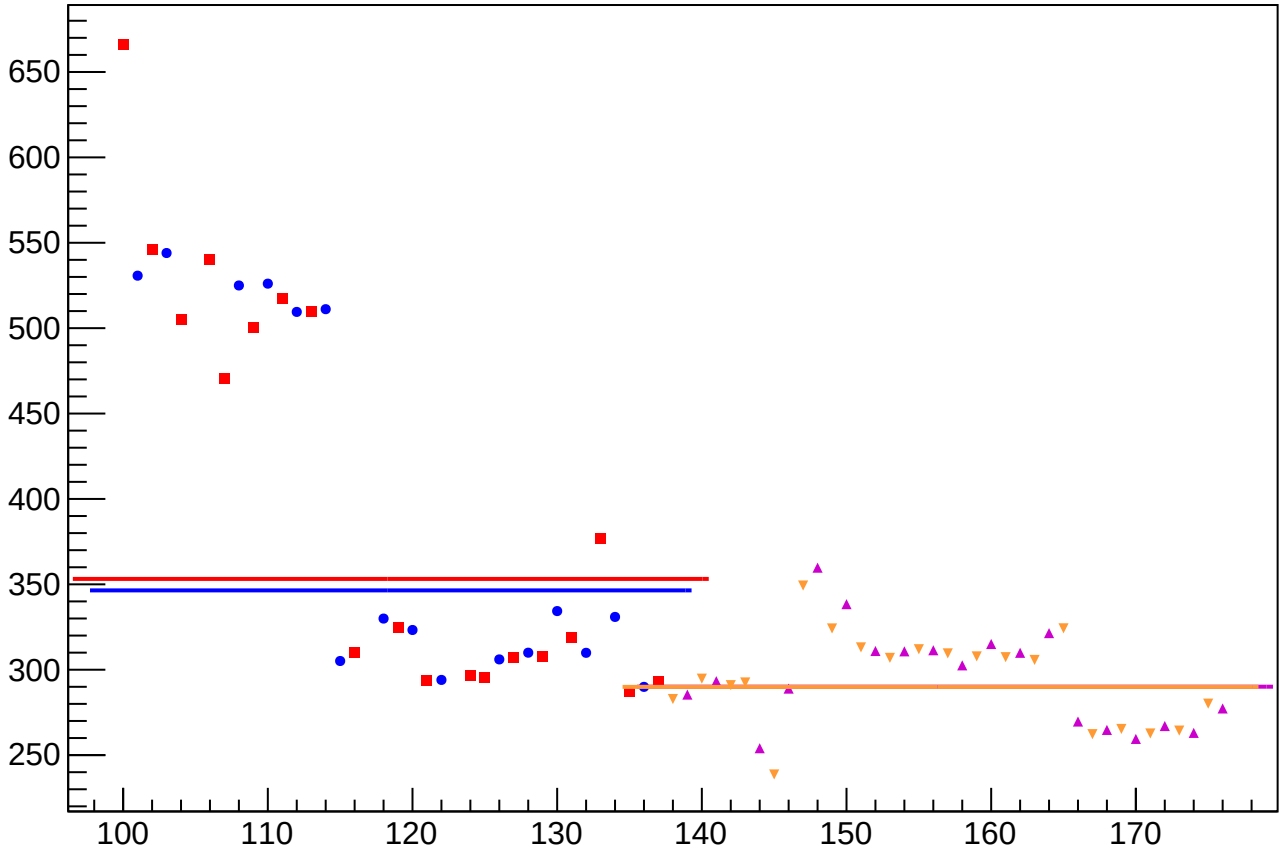
Left In: 210.277+/-74.156 χ^2/NDF:16.8/18

+ sign -112.867+/-64.033 χ^2/NDF: 50.8/35

All: 10.331+/-45.560 χ^2/NDF: 100.7/73

- sign 136.646+/-64.838 χ^2/NDF: 42.3/37

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 289.945+/-0.052 χ^2/NDF:266610.4/19

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

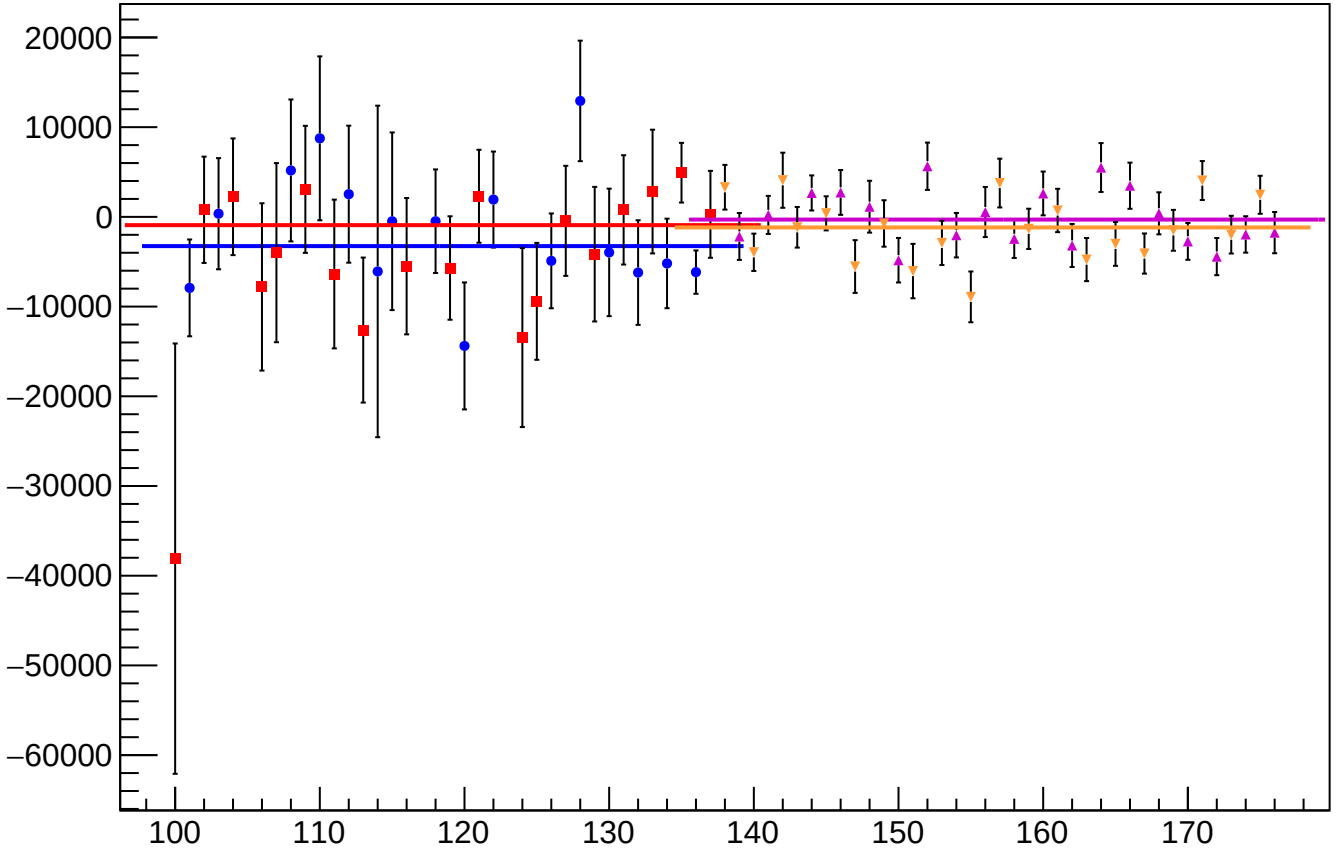
Left In: 290.070+/-0.052 χ^2/NDF:268548.2/18

+ sign 303.135+/-0.045 χ^2/NDF: 1314060.0/35

All: 304.023+/-0.032 χ^2/NDF: 2790854.6/73

- sign 304.932+/-0.046 χ^2/NDF: 1476017.1/37

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1180.528+/-532.015 χ^2/NDF:38.7/19

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

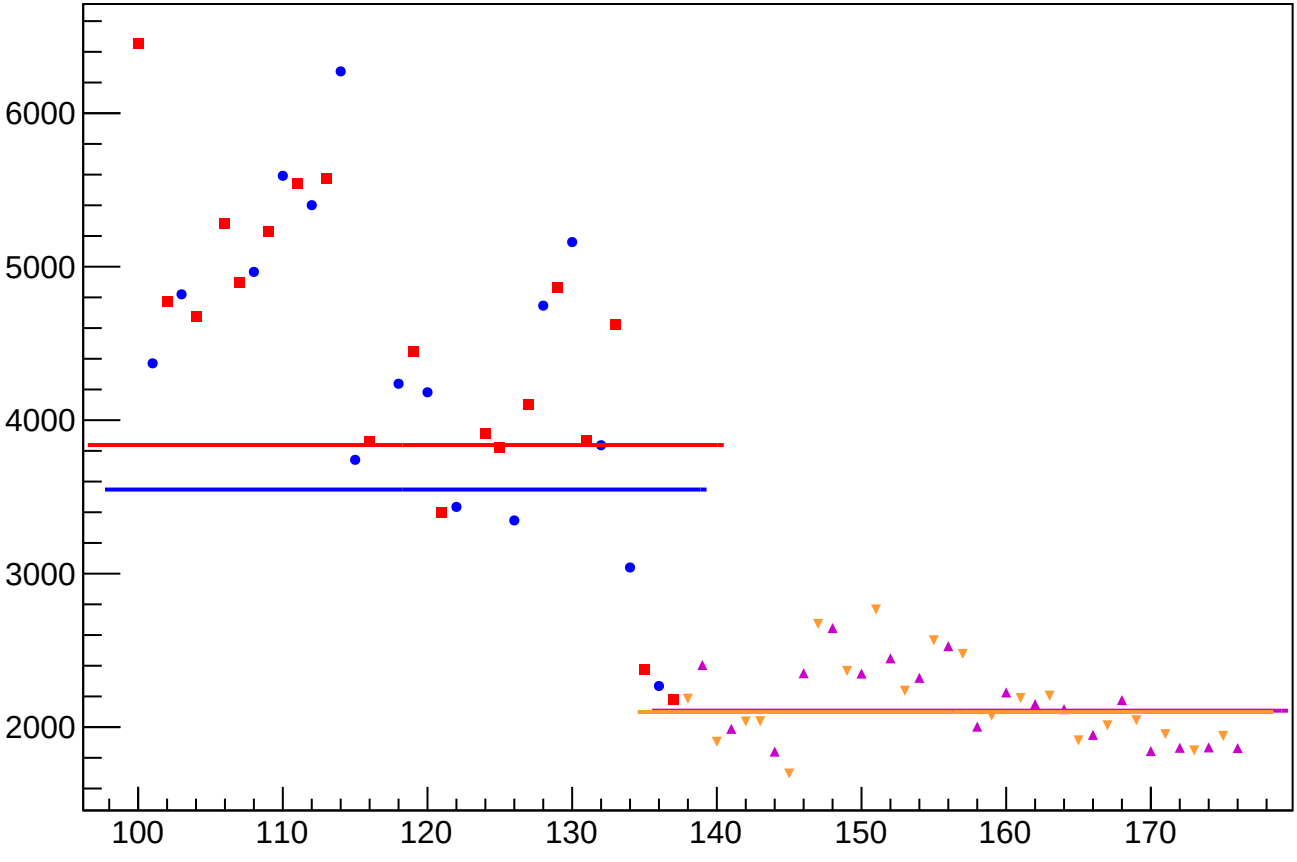
Left In: -301.616+/-539.290 χ^2/NDF:30.7/18

+ sign -1448.047+/-496.595 χ^2/NDF: 56.7/35

All: -921.955+/-354.394 χ^2/NDF: 104.5/73

- sign -375.937+/-505.912 χ^2/NDF: 45.5/37

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2098.264+/-0.376 χ^2/NDF:476204.1/19

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

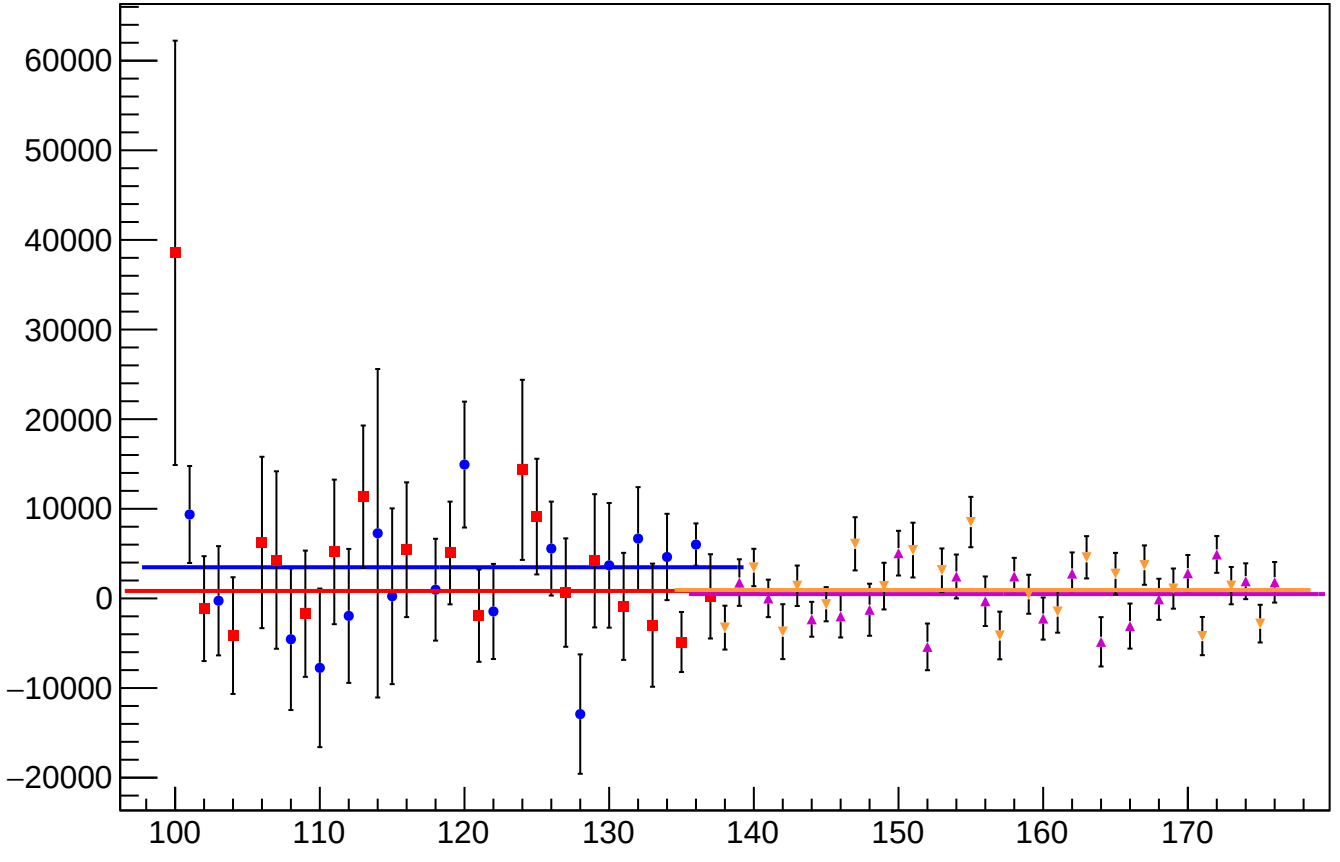
Left In: 2107.263+/-0.381 χ^2/NDF:400120.9/18

+ sign 2284.870+/-0.351 χ^2/NDF: 3646230.6/35

All: 2299.590+/-0.251 χ^2/NDF: 7676587.2/73

- sign 2314.867+/-0.358 χ^2/NDF: 4026775.8/37

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 933.769+/-525.745 χ^2/NDF:39.1/19

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

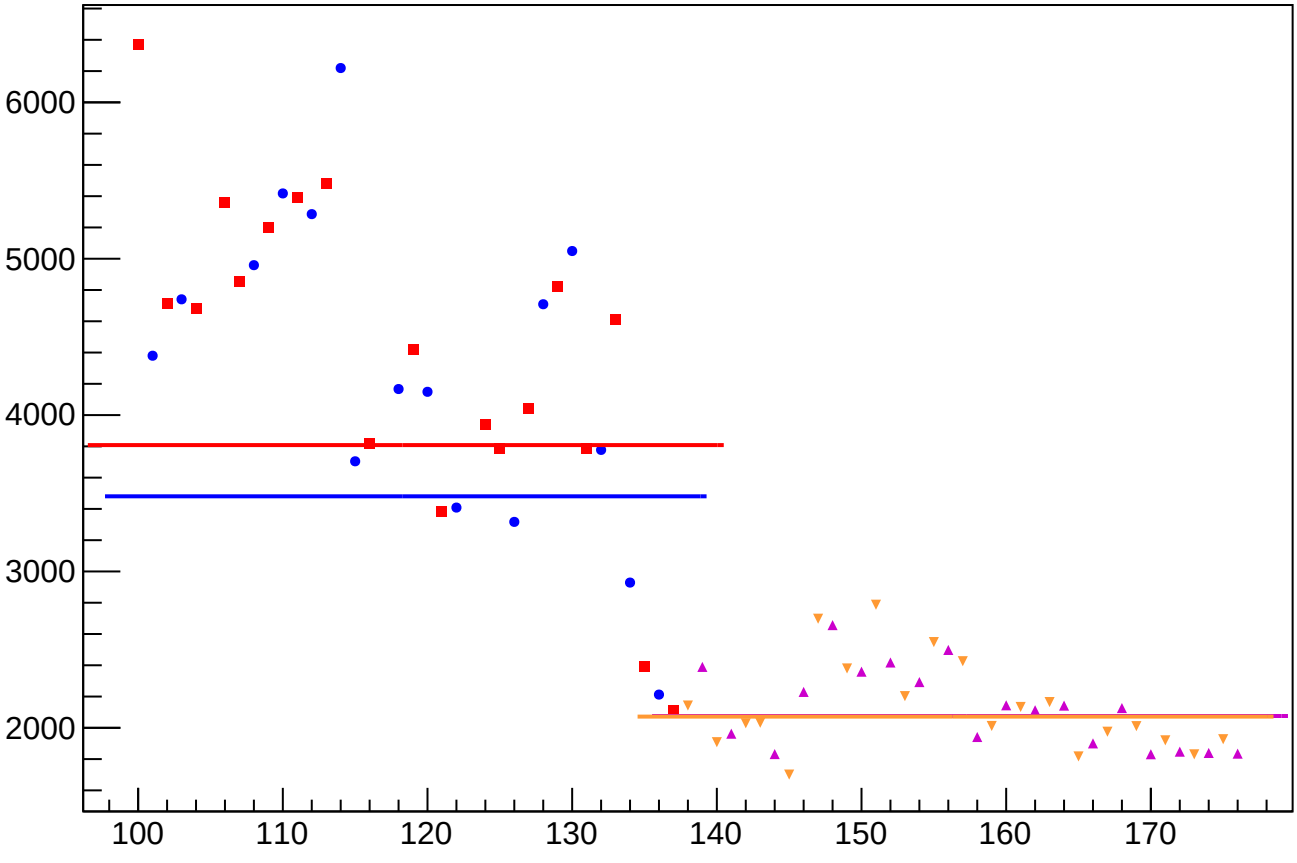
Left In: 483.690+/-531.265 χ^2/NDF:28.9/18

\+ sign 1264.449+/-490.396 χ^2/NDF: 58.4/35

All: 901.023+/-349.703 χ^2/NDF: 102.5/73

\- sign 525.000+/-498.823 χ^2/NDF: 42.9/37

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2071.732+/-0.372 χ^2/NDF:497411.9/19

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

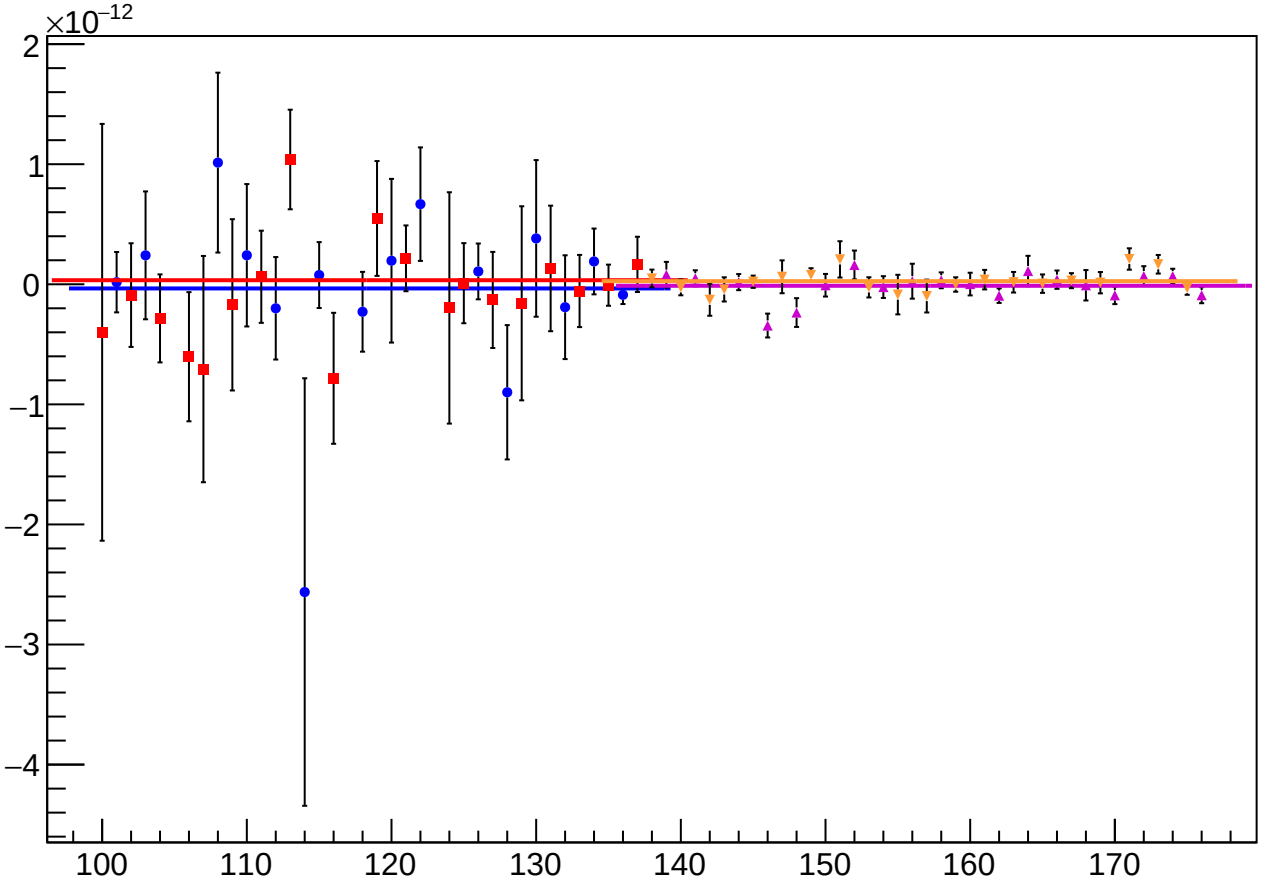
Left In: 2075.620+/-0.376 χ^2/NDF:404388.3/18

+ sign 2254.814+/-0.347 χ^2/NDF: 3660359.1/35

All: 2267.566+/-0.247 χ^2/NDF: 7733528.5/73

- sign 2280.759+/-0.353 χ^2/NDF: 4070418.1/37

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/19

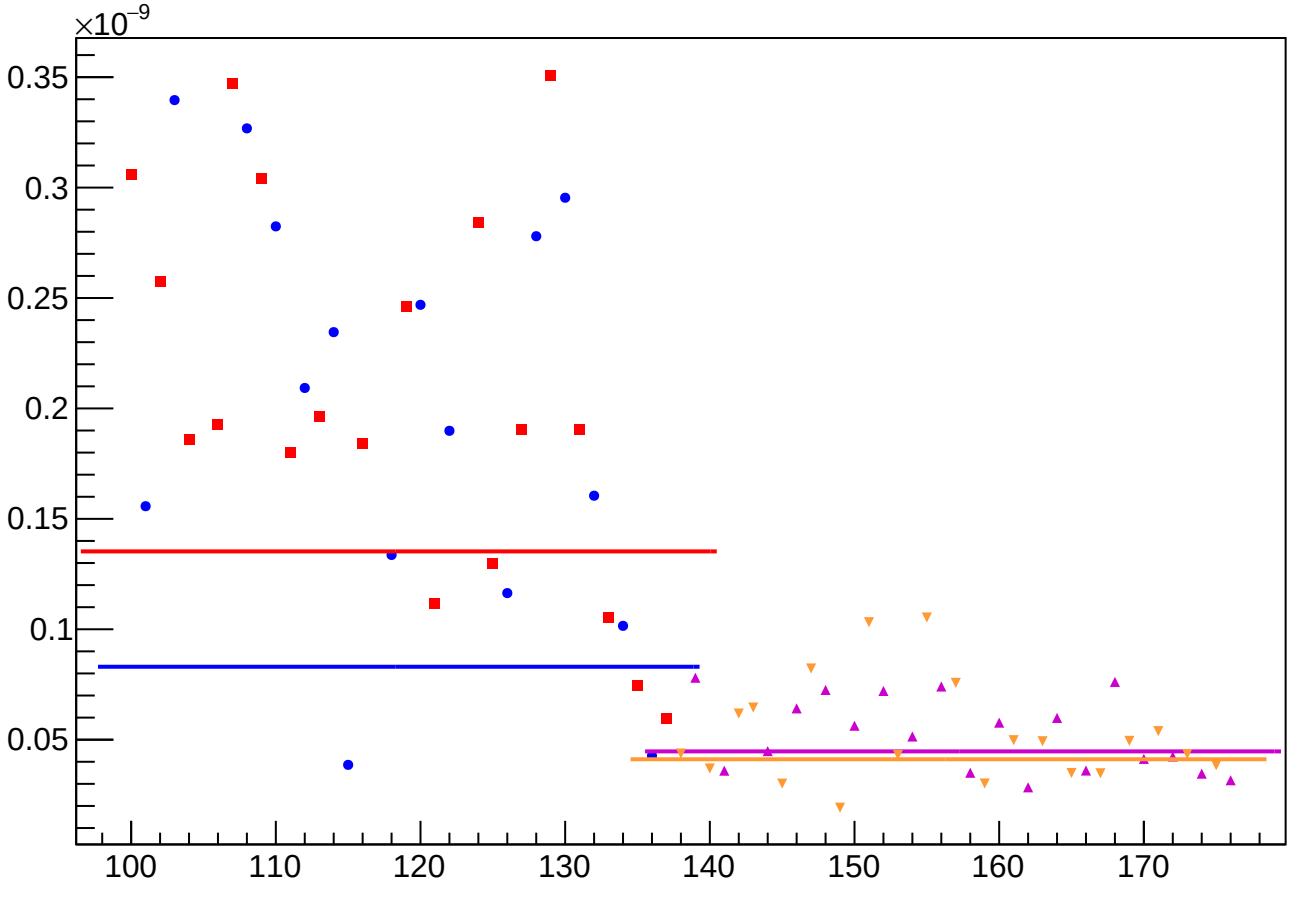
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: -0.000+/-0.000 χ^2/NDF:27.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 28.5/35

All: 0.000+/-0.000 χ^2/NDF: 71.4/73

- sign -0.000+/-0.000 χ^2/NDF: 41.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1725798.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

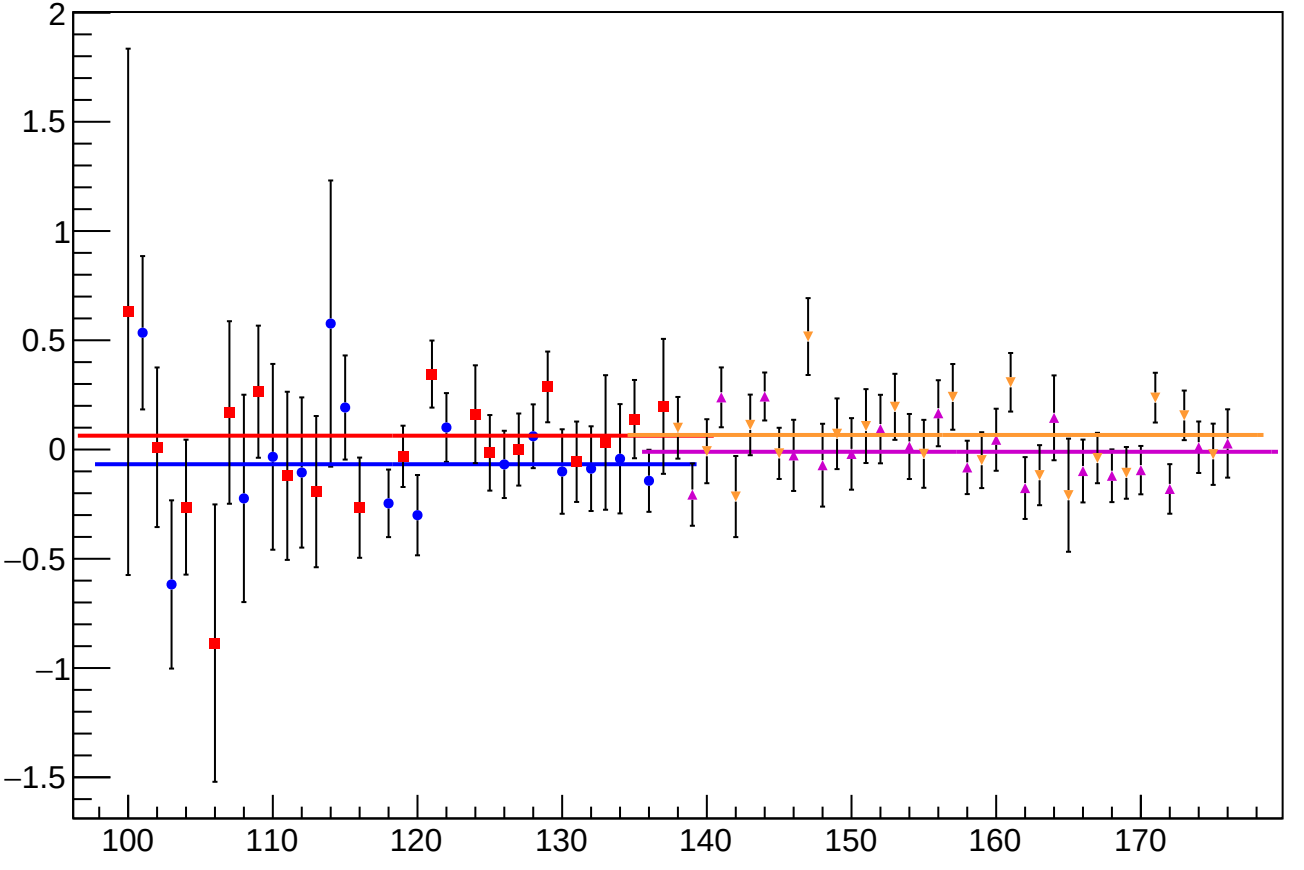
Left In: 0.000+/-0.000 χ^2/NDF:1179631.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 5312100.9/35

All: 0.000+/-0.000 χ^2/NDF: 10135492.5/73

- sign 0.000+/-0.000 χ^2/NDF: 4751786.8/37

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

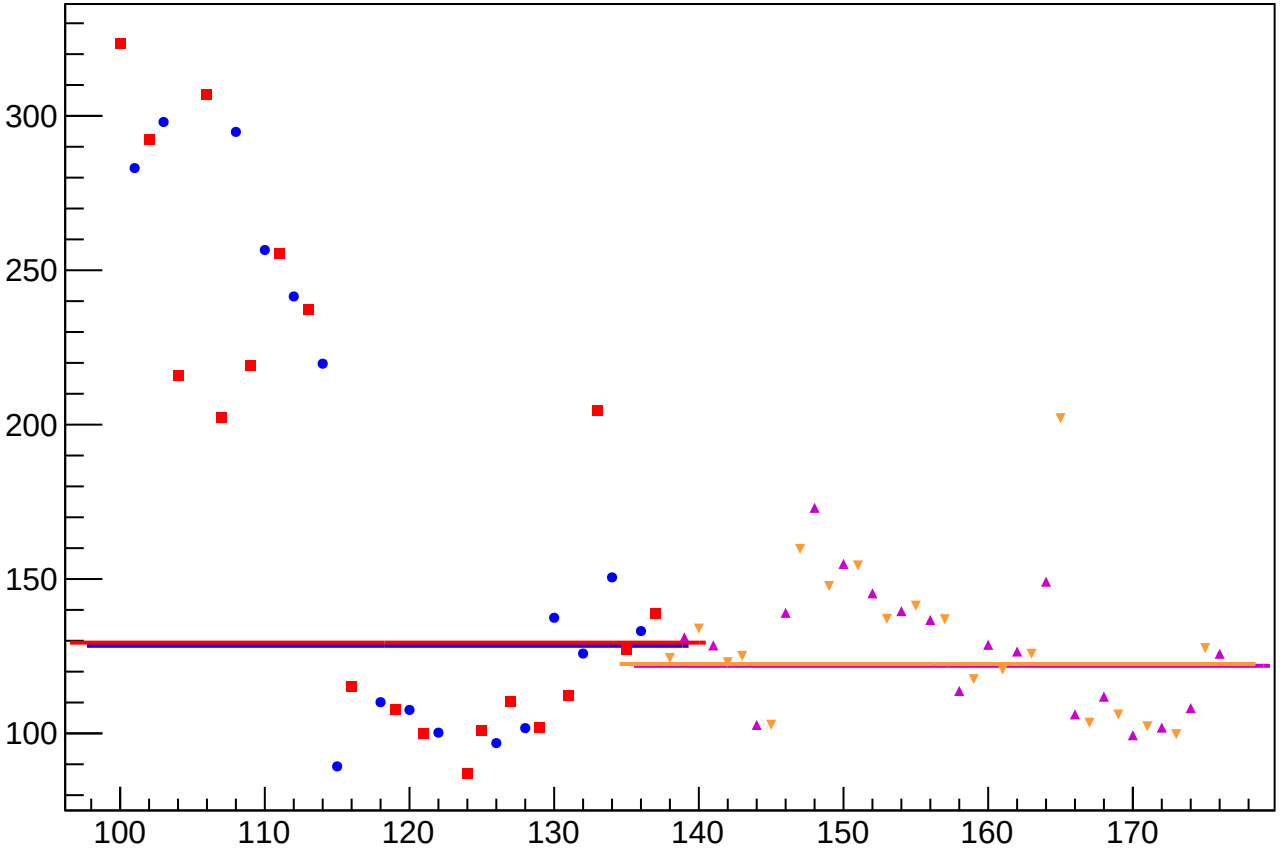
Left In: -0.010+/-0.032 χ^2/NDF:19.1/18

+ sign 0.031+/-0.027 χ^2/NDF: 42.8/35

All: 0.020+/-0.019 χ^2/NDF: 77.7/73

- sign 0.010+/-0.027 χ^2/NDF: 34.6/37

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.470+/-0.022 χ^2/NDF:778382.4/19

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

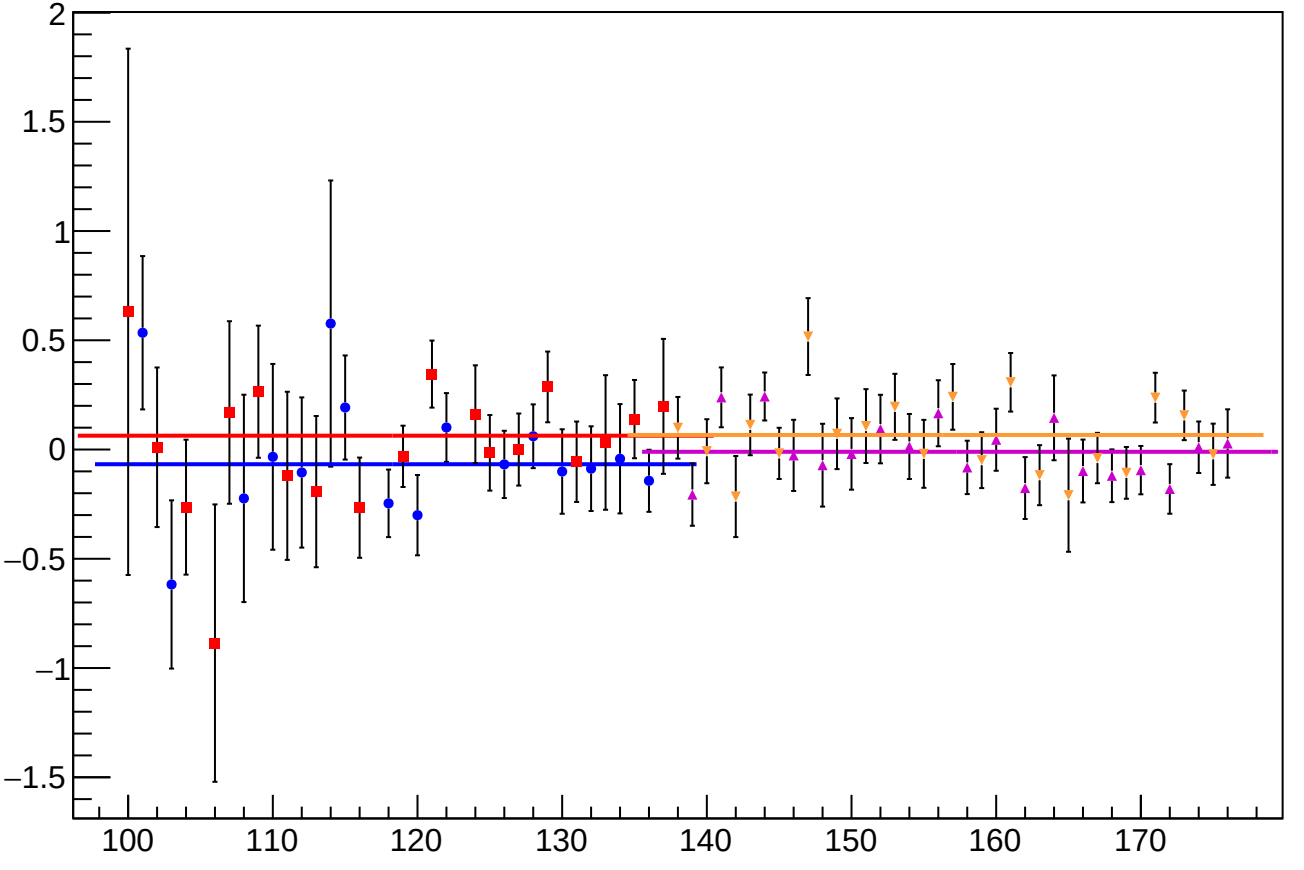
Left In: 121.897+/-0.022 χ^2/NDF:681213.9/18

+ sign 124.050+/-0.019 χ^2/NDF: 2602555.0/35

All: 123.997+/-0.013 χ^2/NDF: 5202776.7/73

- sign 123.943+/-0.019 χ^2/NDF: 2600205.9/37

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

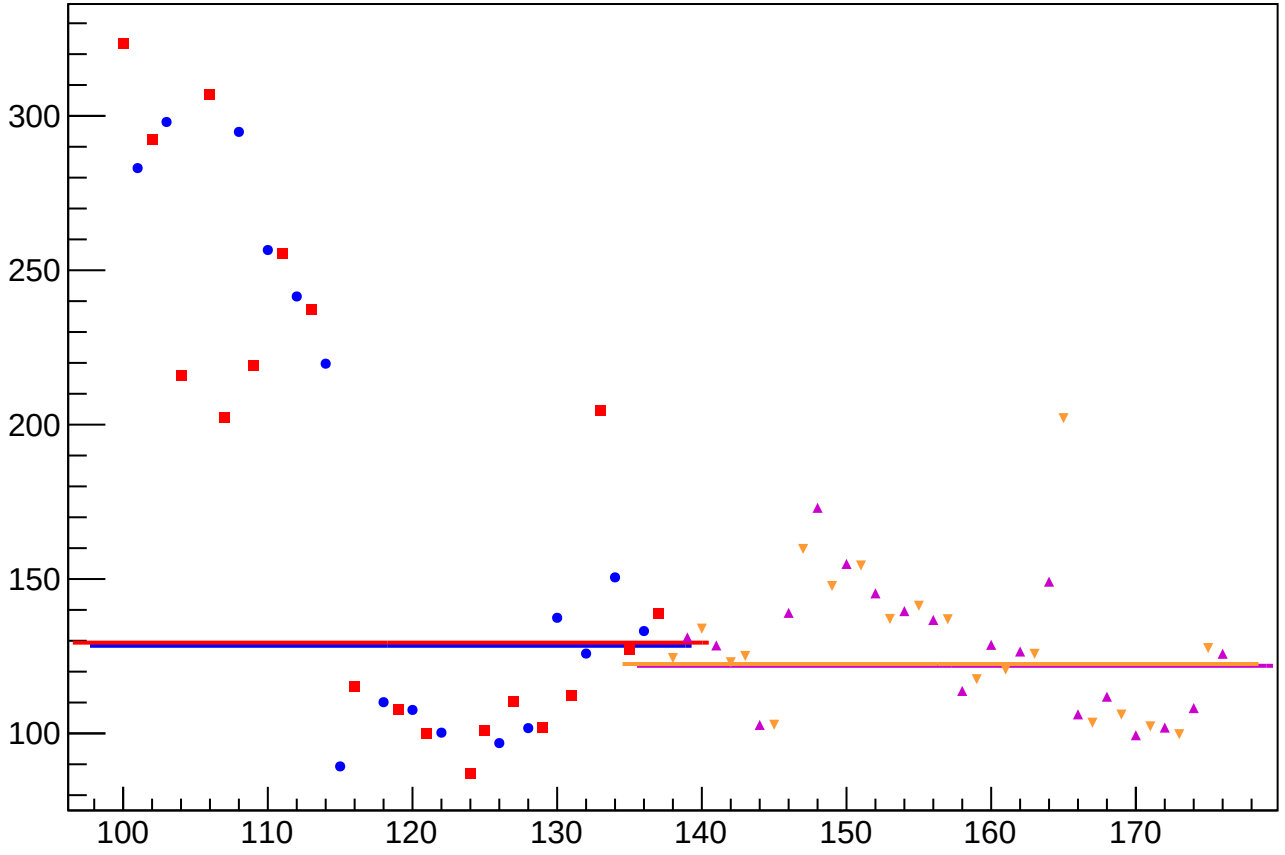
Left In: -0.010+/-0.032 χ^2/NDF:19.1/18

+ sign 0.031+/-0.027 χ^2/NDF: 42.8/35

All: 0.020+/-0.019 χ^2/NDF: 77.7/73

- sign 0.010+/-0.027 χ^2/NDF: 34.6/37

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.470+/-0.022 χ^2/NDF:778382.4/19

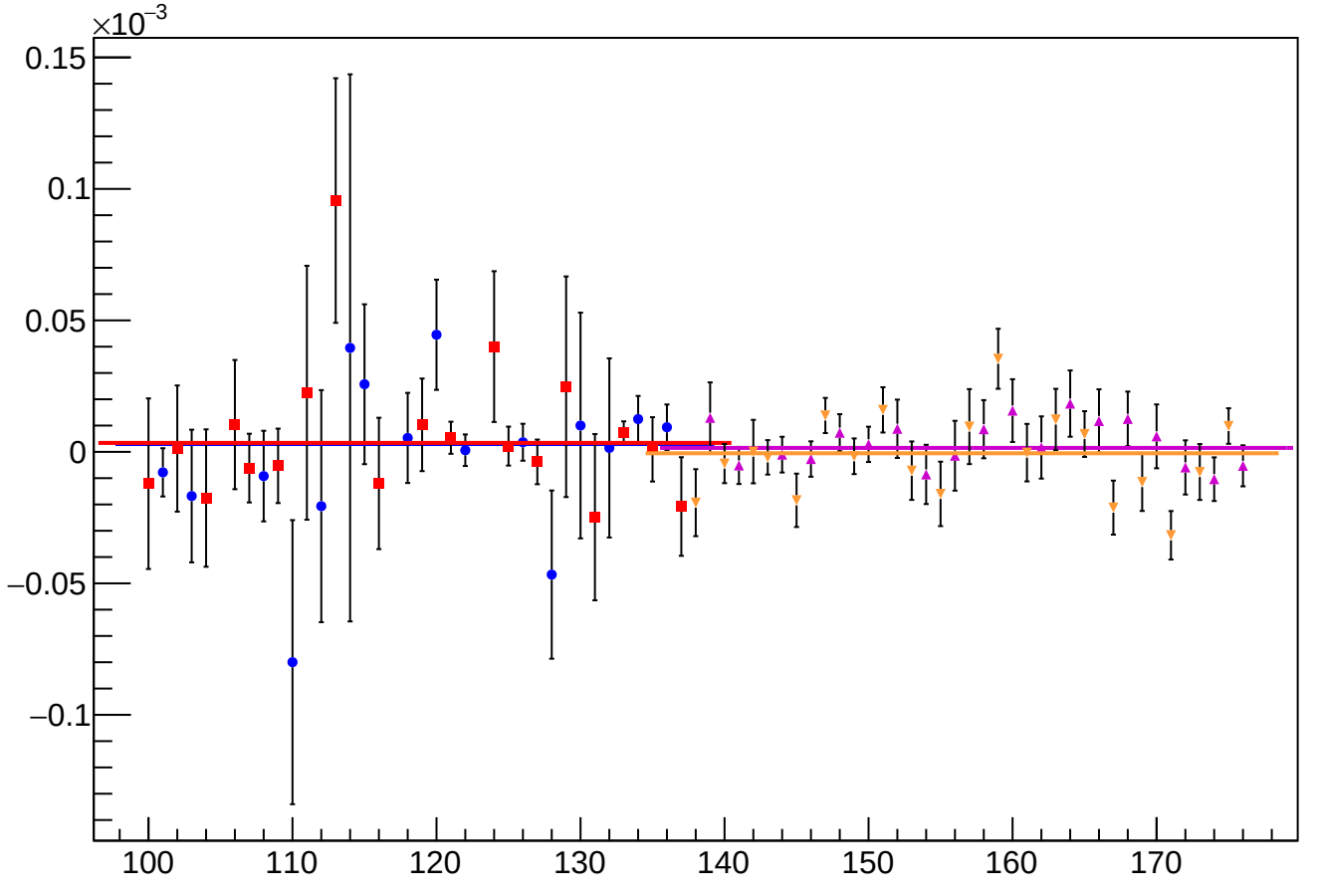
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.897+/-0.022 χ^2/NDF:681213.9/18

\+ sign 124.050+/-0.019 χ^2/NDF: 2602555.0/35

All: 123.997+/-0.013 χ^2/NDF: 5202776.7/73

\- sign 123.943+/-0.019 χ^2/NDF: 2600205.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.5/19

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

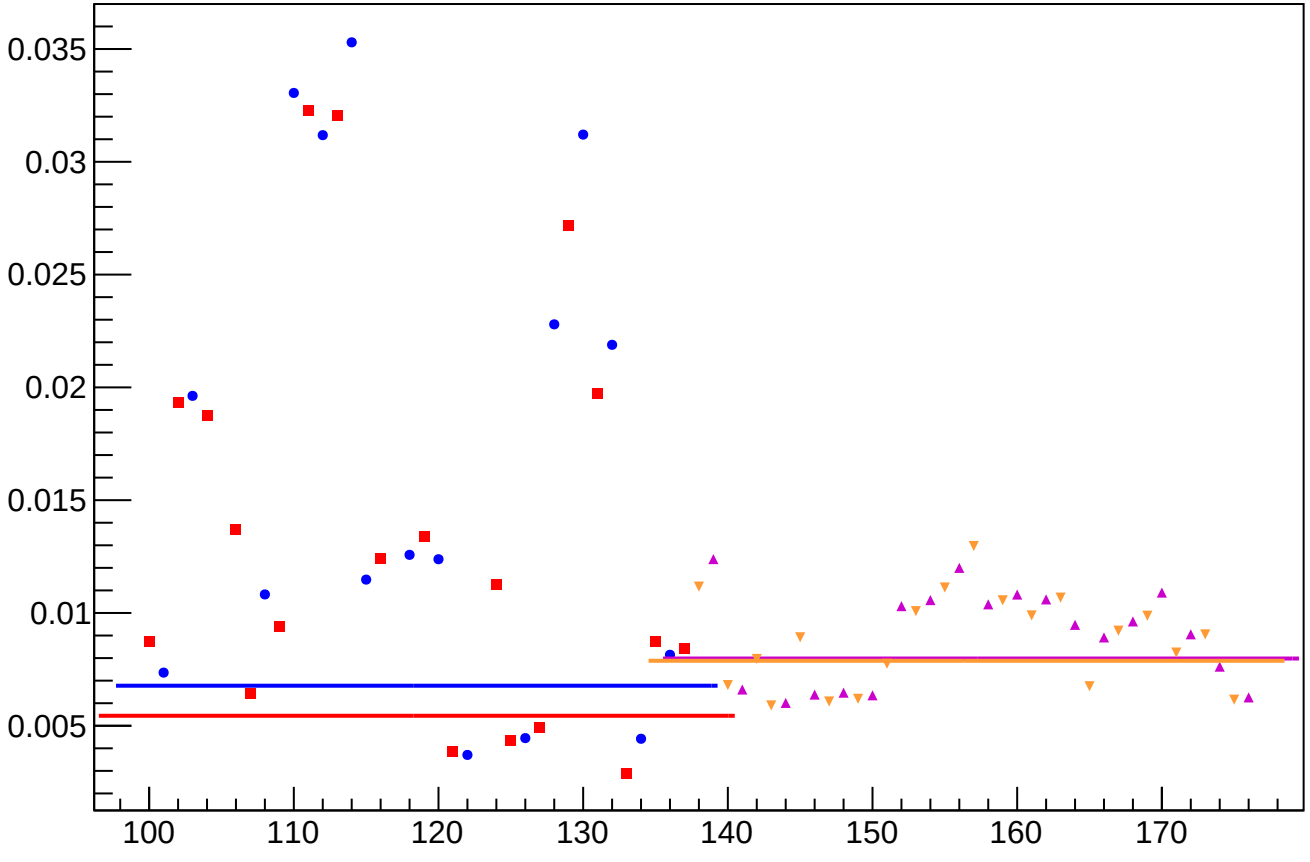
Left In: 0.000+/-0.000 χ^2/NDF:13.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/35

All: 0.000+/-0.000 χ^2/NDF: 89.0/73

- sign 0.000+/-0.000 χ^2/NDF: 26.0/37

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1706852.0/19

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

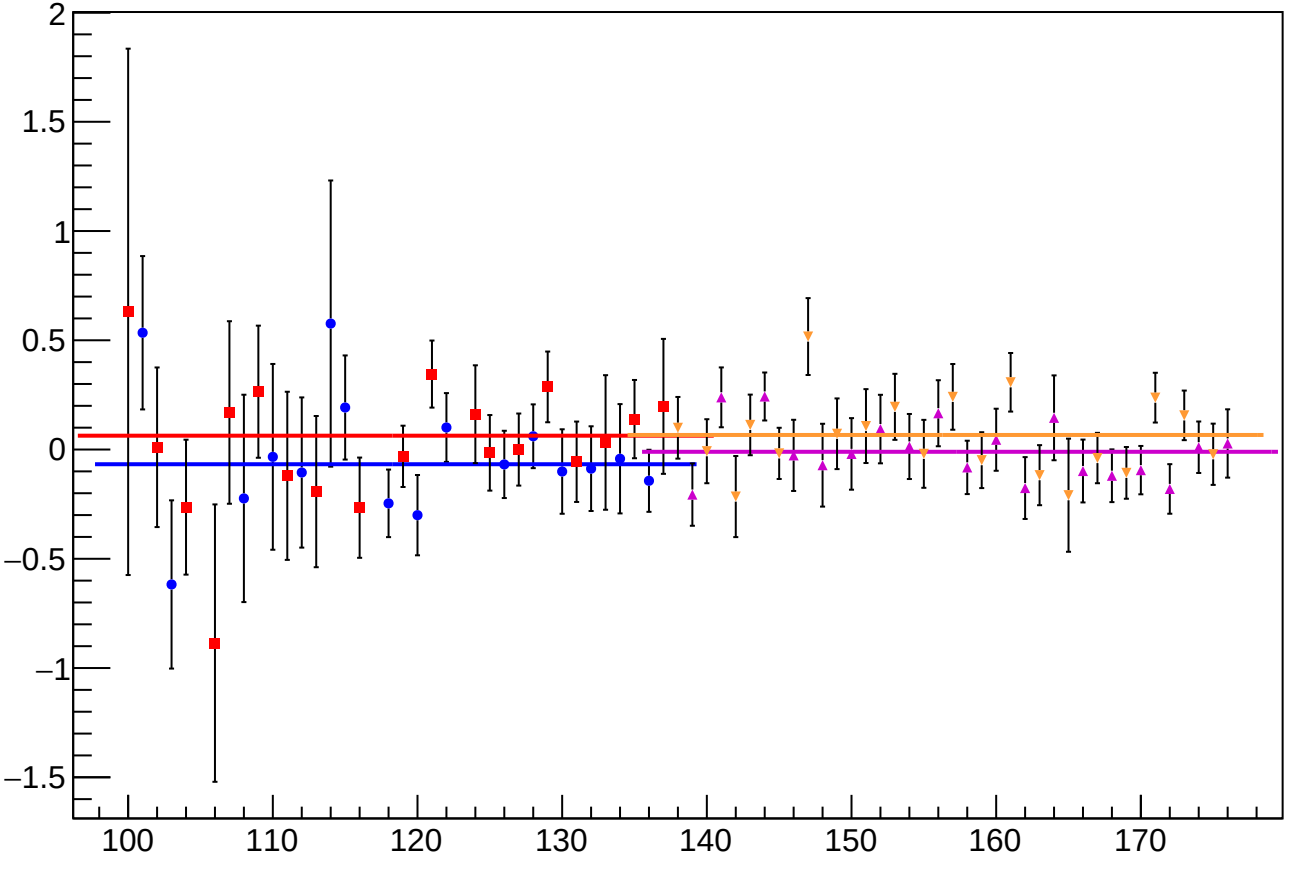
Left In: 0.008+/-0.000 χ^2/NDF:1791714.7/18

+ sign 0.008+/-0.000 χ^2/NDF: 6653088.3/35

All: 0.007+/-0.000 χ^2/NDF: 15289731.9/73

- sign 0.007+/-0.000 χ^2/NDF: 8517312.9/37

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

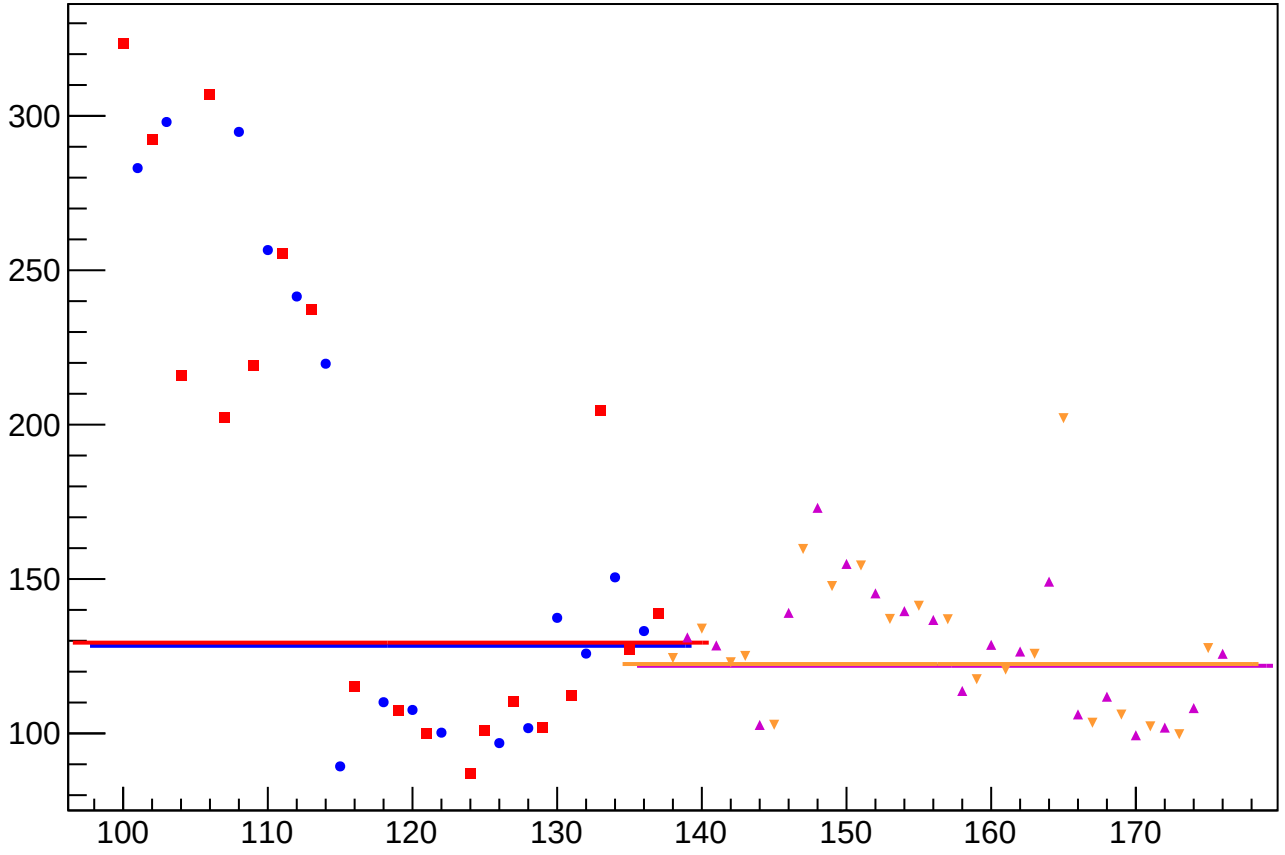
Left In: -0.010+/-0.032 χ^2/NDF:19.1/18

+ sign 0.031+/-0.027 χ^2/NDF: 42.8/35

All: 0.020+/-0.019 χ^2/NDF: 77.7/73

- sign 0.010+/-0.027 χ^2/NDF: 34.6/37

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.470+/-0.022 χ^2/NDF:778428.2/19

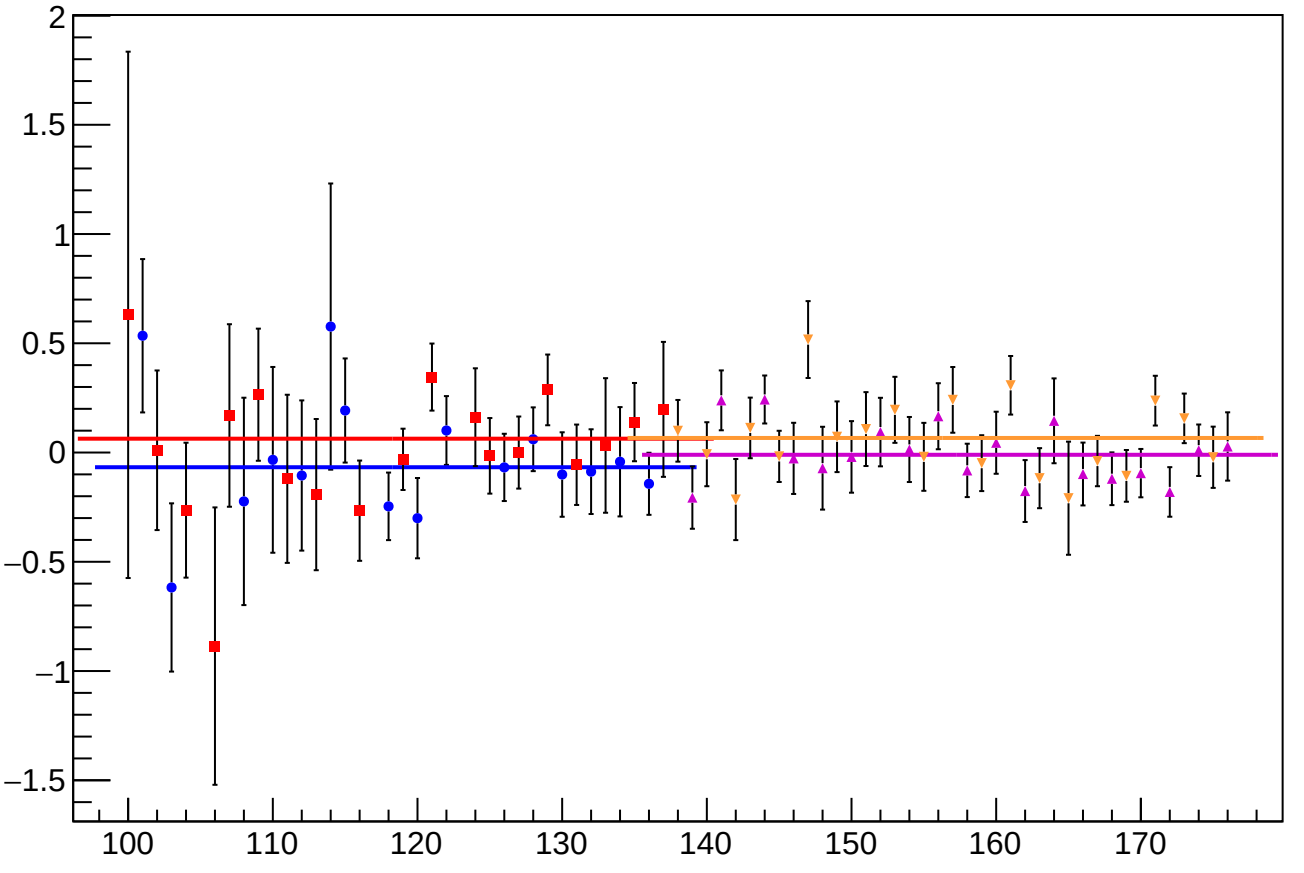
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.896+/-0.022 χ^2/NDF:681239.9/18

+ sign 124.049+/-0.019 χ^2/NDF: 2602532.0/35

All: 123.996+/-0.013 χ^2/NDF: 5202758.5/73

- sign 123.943+/-0.019 χ^2/NDF: 2600210.7/37



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

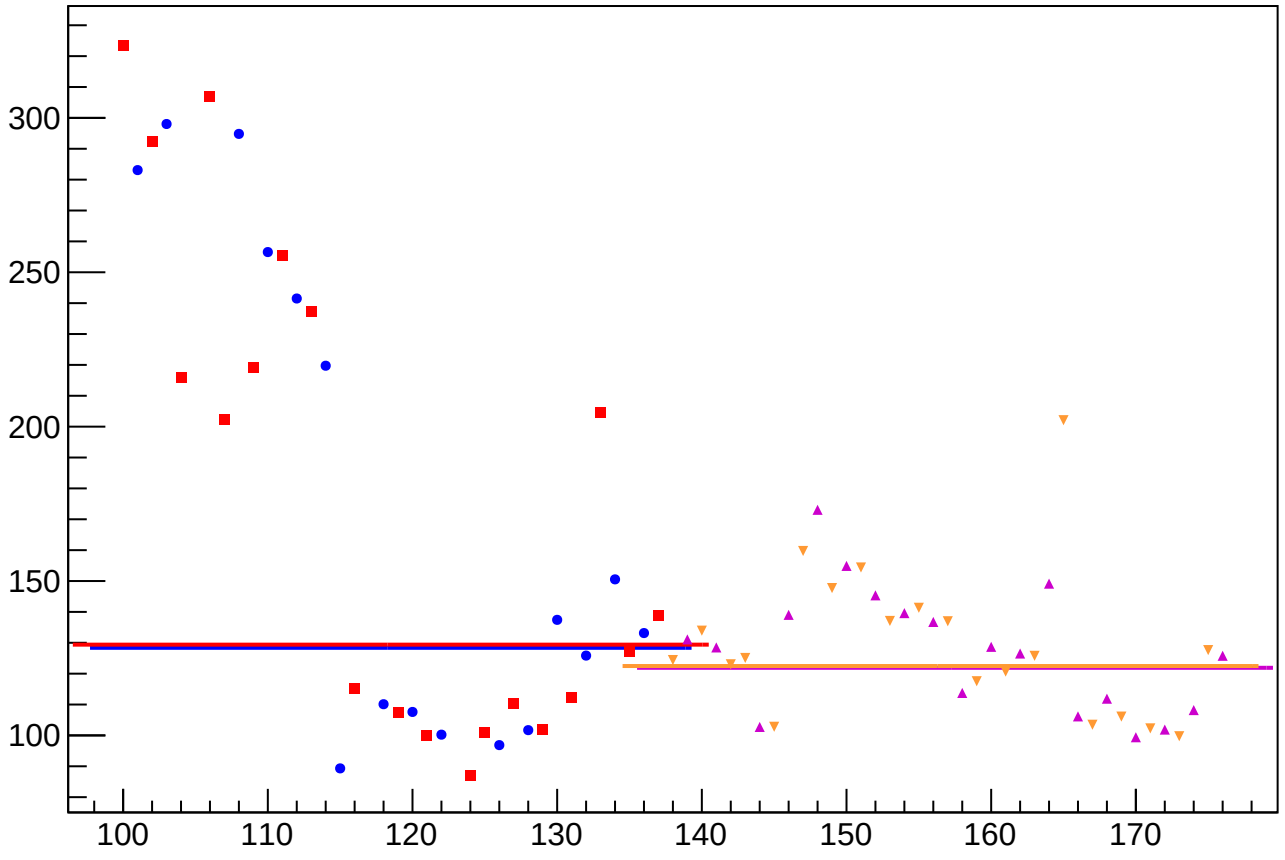
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.010+/-0.032 χ^2/NDF:19.1/18

+ sign 0.031+/-0.027 χ^2/NDF: 42.8/35

All: 0.020+/-0.019 χ^2/NDF: 77.7/73

- sign 0.010+/-0.027 χ^2/NDF: 34.6/37



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.470+/-0.022 χ^2/NDF:778428.2/19

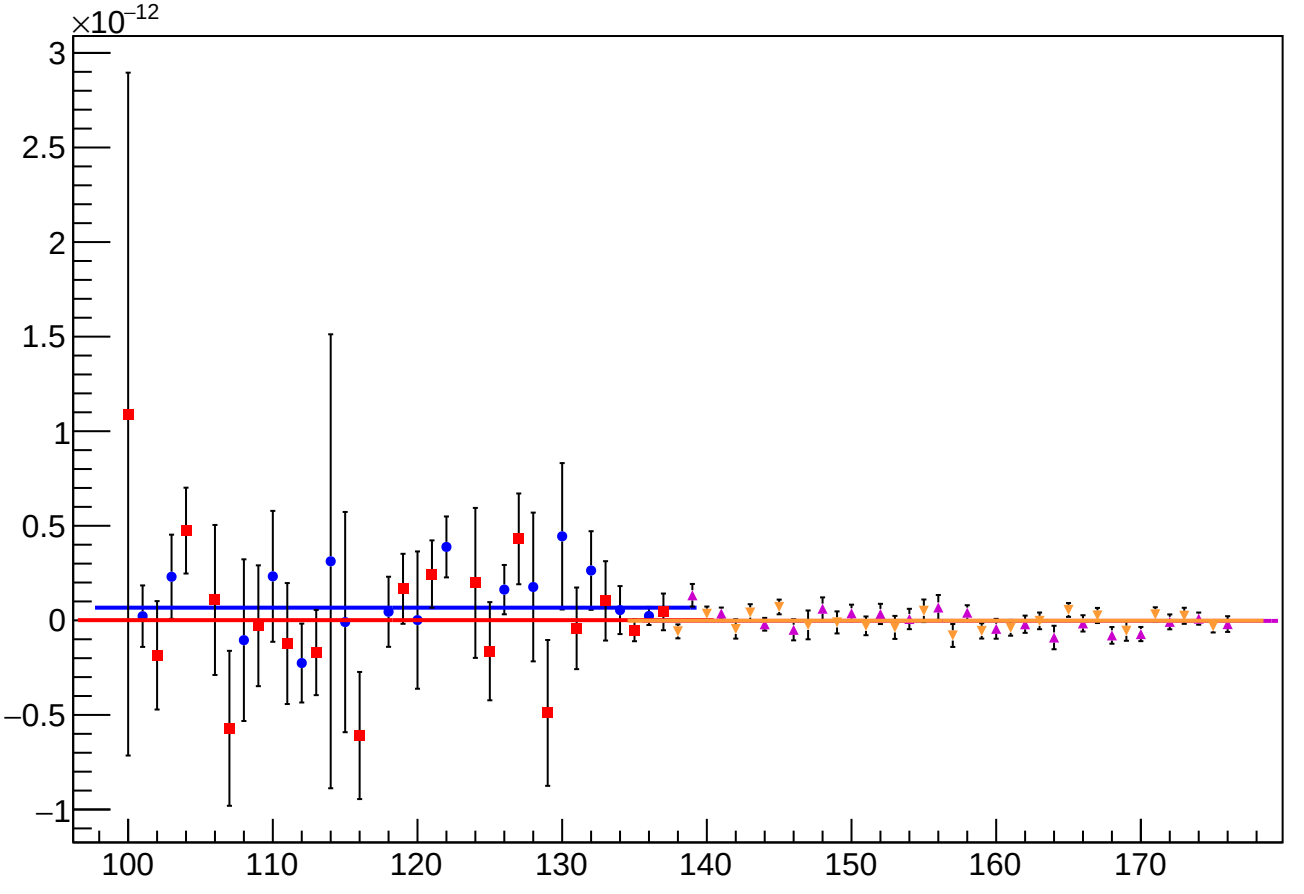
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.896+/-0.022 χ^2/NDF:681239.9/18

+ sign 124.049+/-0.019 χ^2/NDF: 2602532.0/35

All: 123.996+/-0.013 χ^2/NDF: 5202758.5/73

- sign 123.943+/-0.019 χ^2/NDF: 2600210.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

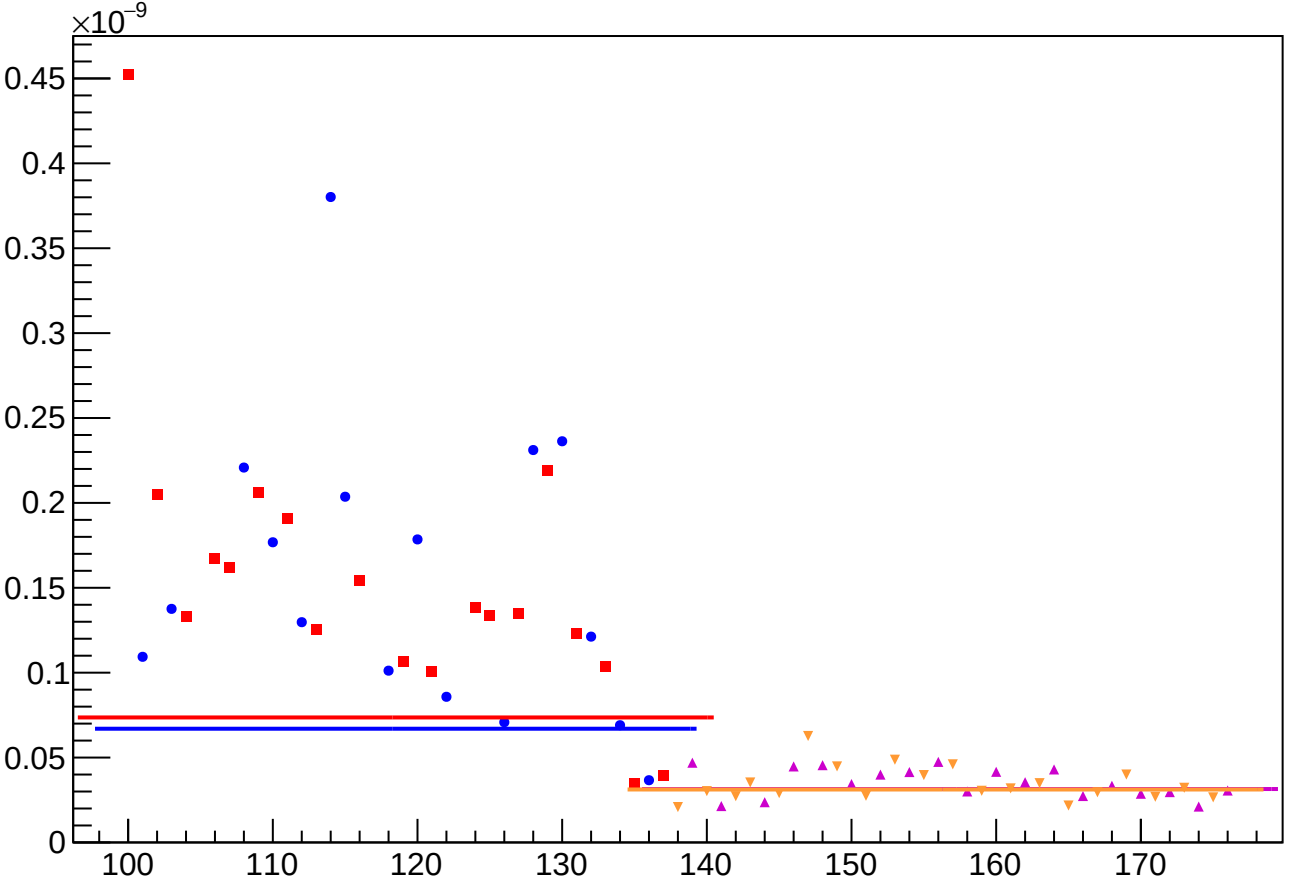
Left In: -0.000+/-0.000 χ^2/NDF:22.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 33.9/35

All: 0.000+/-0.000 χ^2/NDF: 76.8/73

- sign -0.000+/-0.000 χ^2/NDF: 42.8/37

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1258584.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

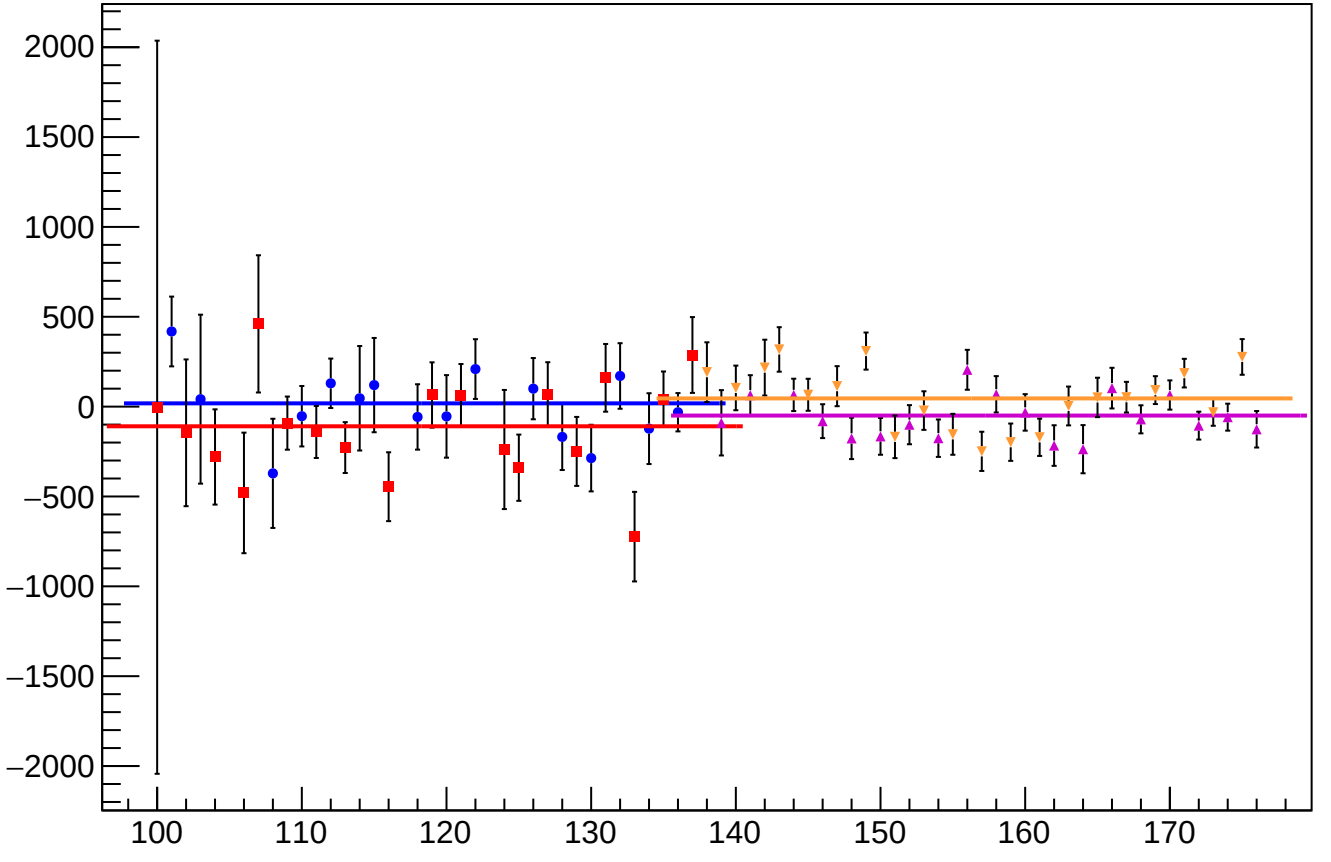
Left In: 0.000+/-0.000 χ^2/NDF:1317936.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 6267382.3/35

All: 0.000+/-0.000 χ^2/NDF: 13391572.8/73

- sign 0.000+/-0.000 χ^2/NDF: 7122660.5/37

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 45.682+/-22.803 χ^2/NDF:48.0/19

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

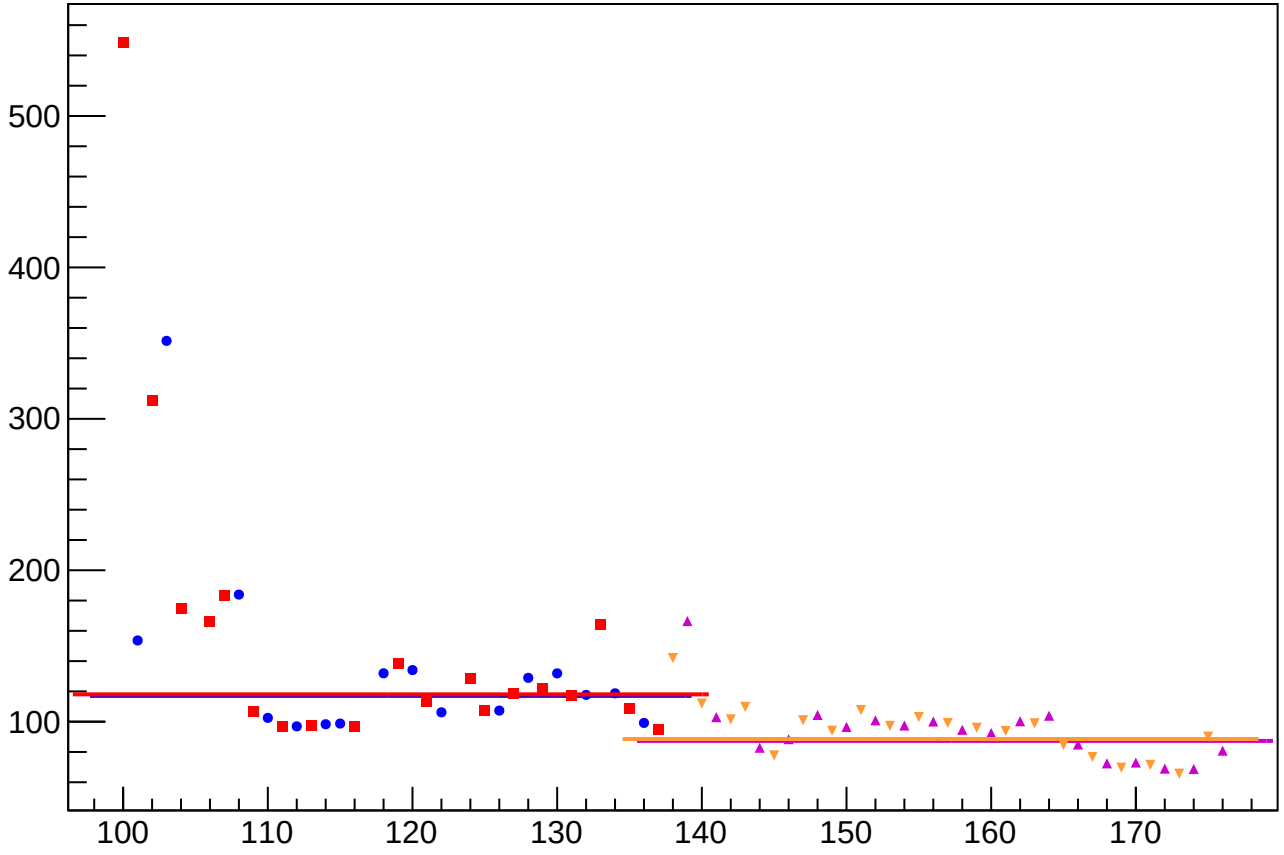
Left In: -49.750+/-22.722 χ^2/NDF:22.7/18

+ sign 40.205+/-20.404 χ^2/NDF: 62.1/35

All: -10.780+/-14.411 χ^2/NDF: 124.2/73

- sign -61.528+/-20.357 χ^2/NDF: 49.6/37

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 88.550+/-0.016 χ^2/NDF:1001780.5/19

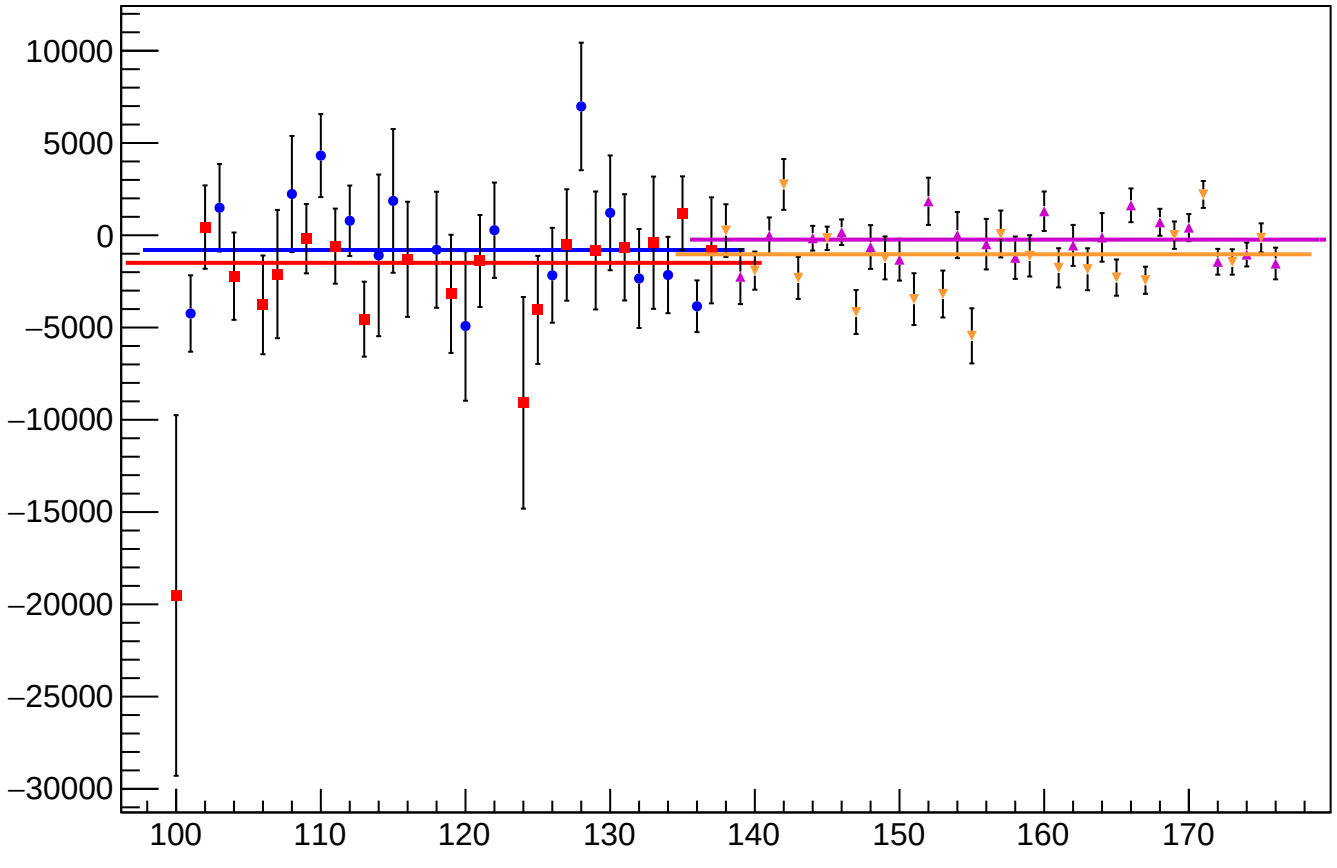
Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 87.304+/-0.016 χ^2/NDF:1010388.0/18

+ sign 94.233+/-0.014 χ^2/NDF: 2483415.4/35

All: 93.802+/-0.010 χ^2/NDF: 5209365.0/73

- sign 93.373+/-0.014 χ^2/NDF: 2724168.0/37



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1030.317+/-215.197 χ^2/NDF:64.2/19

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

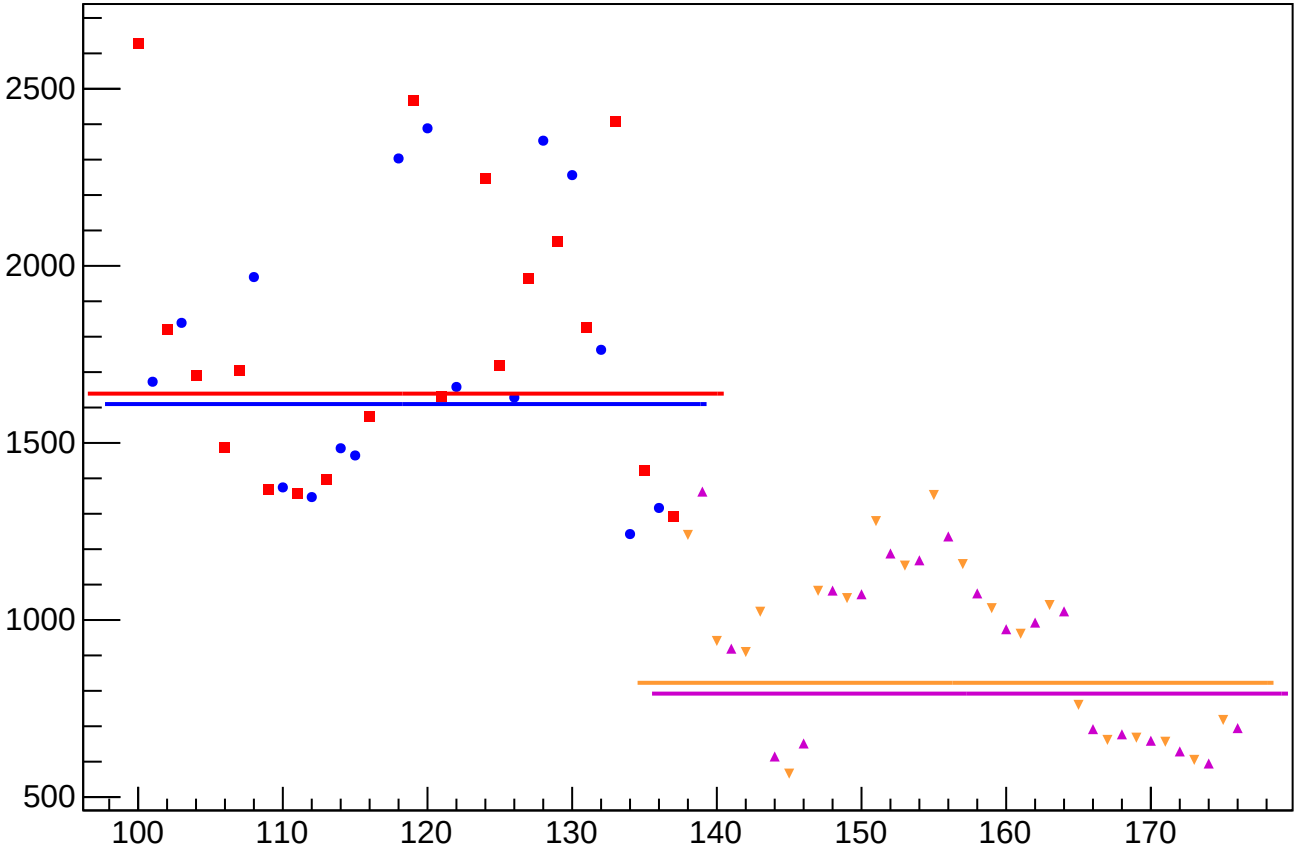
Left In: -236.521+/-209.424 χ^2/NDF:22.2/18

+ sign -1005.172+/-203.157 χ^2/NDF: 87.7/35

All: -678.637+/-141.862 χ^2/NDF: 131.6/73

- sign -367.901+/-198.181 χ^2/NDF: 38.9/37

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 822.699+/-0.152 χ^2/NDF:2221064.6/19

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

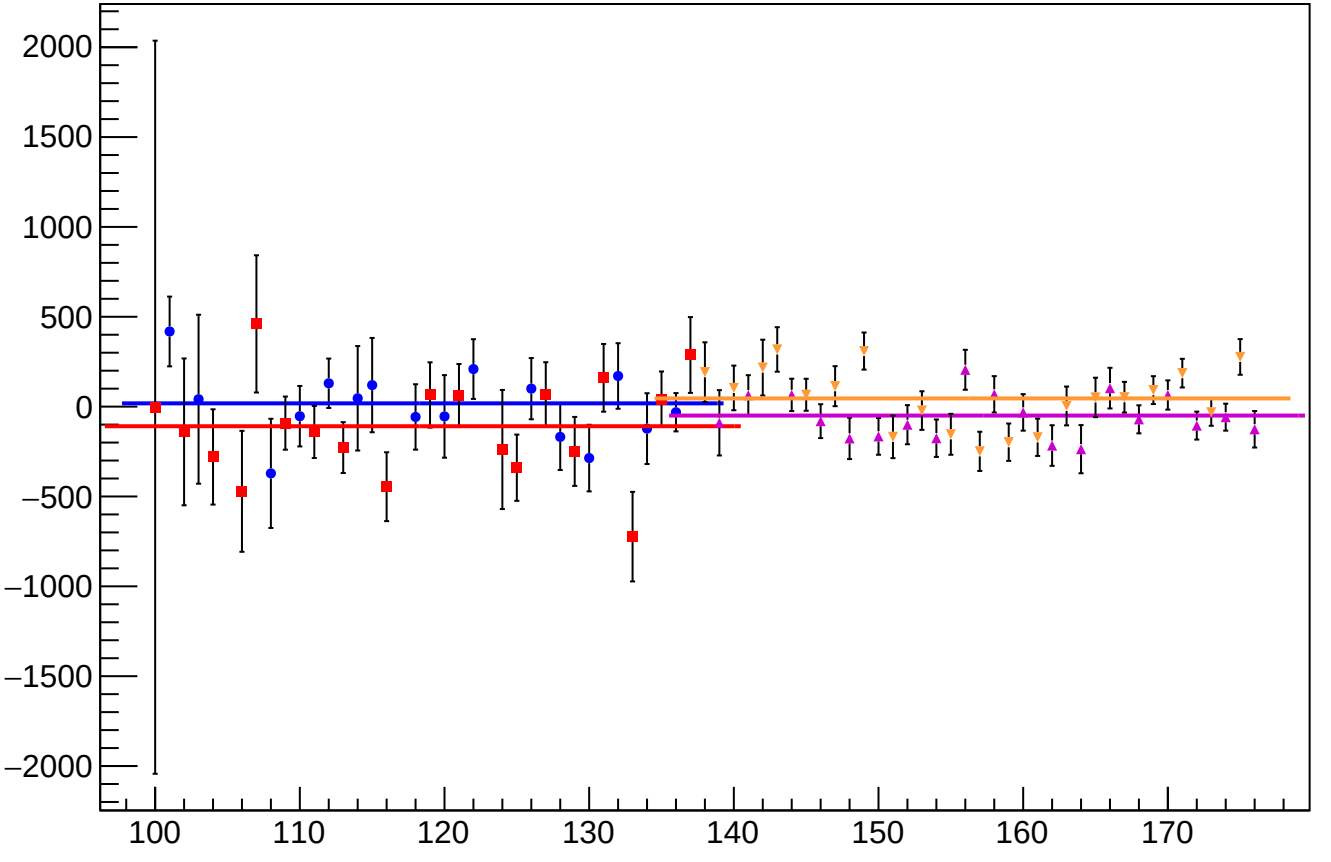
Left In: 792.174+/-0.148 χ^2/NDF:2142909.8/18

+ sign 908.306+/-0.144 χ^2/NDF: 5750163.2/35

All: 894.152+/-0.100 χ^2/NDF: 11851037.4/73

- sign 880.683+/-0.140 χ^2/NDF: 6081927.7/37

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 45.686+/-22.803 χ^2/NDF:48.0/19

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

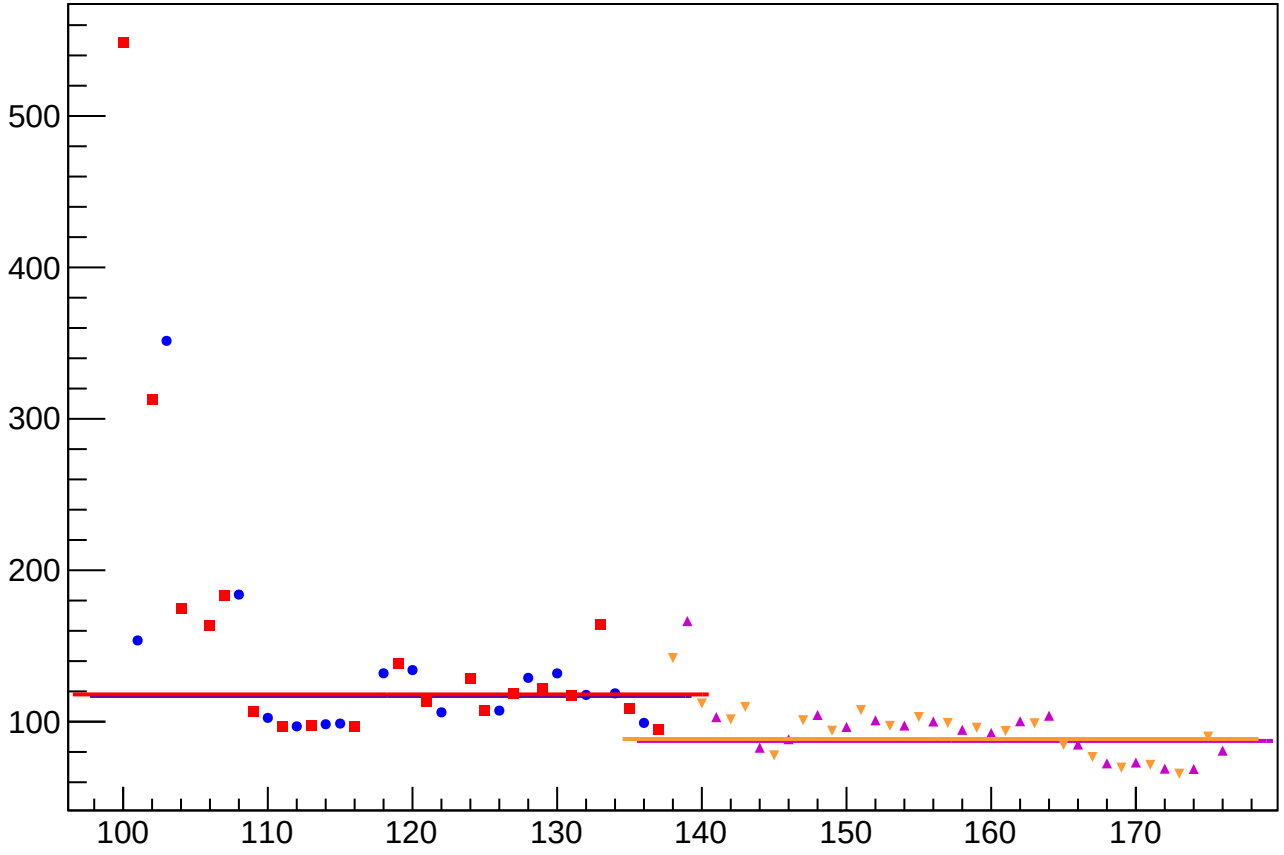
Left In: -49.751+/-22.722 χ^2/NDF:22.7/18

+ sign 40.206+/-20.404 χ^2/NDF: 62.1/35

All: -10.751+/-14.411 χ^2/NDF: 124.1/73

- sign -61.472+/-20.357 χ^2/NDF: 49.5/37

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.550+/-0.016 χ^2/NDF:1001780.4/19

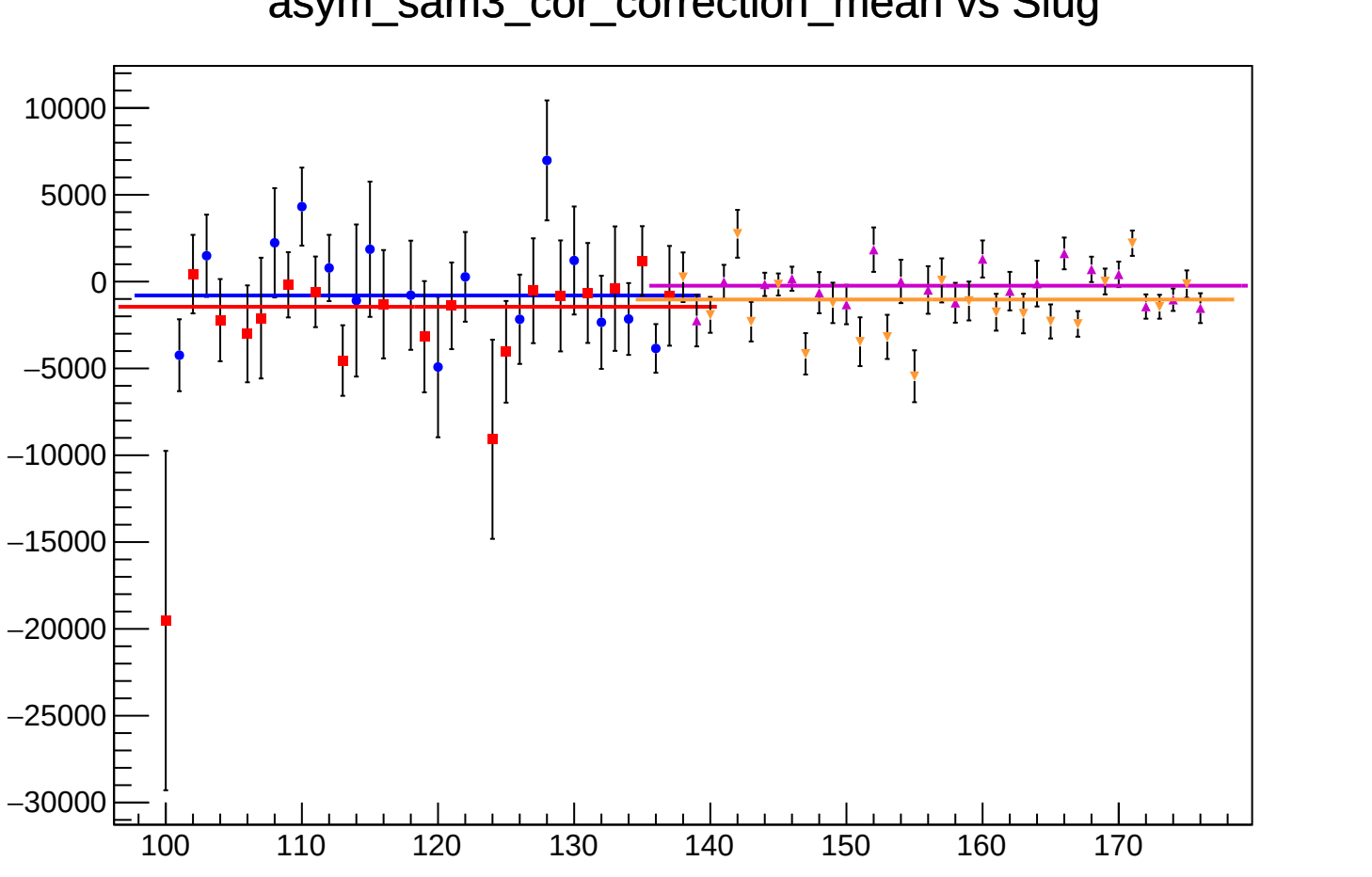
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.304+/-0.016 χ^2/NDF:1010388.0/18

+ sign 94.233+/-0.014 χ^2/NDF: 2483417.0/35

All: 93.796+/-0.010 χ^2/NDF: 5202708.7/73

- sign 93.362+/-0.014 χ^2/NDF: 2717465.0/37



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1030.309+/-215.197 χ^2/NDF:64.2/19

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

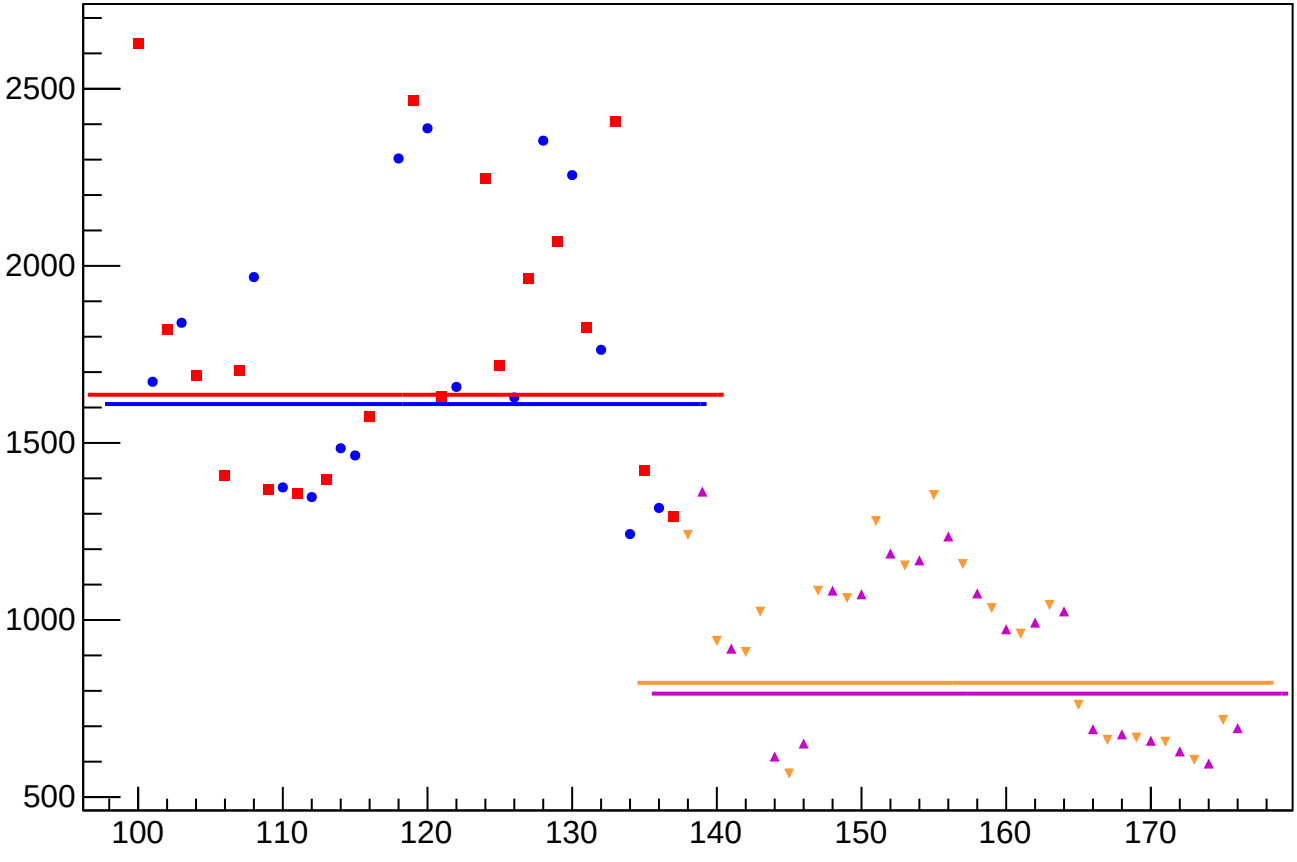
Left In: -236.524+/-209.424 χ^2/NDF:22.2/18

+ sign -1005.163+/-203.157 χ^2/NDF: 87.7/35

All: -676.019+/-141.878 χ^2/NDF: 131.0/73

- sign -362.657+/-198.226 χ^2/NDF: 38.1/37

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 822.699+/-0.152 χ^2/NDF:2221067.4/19

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

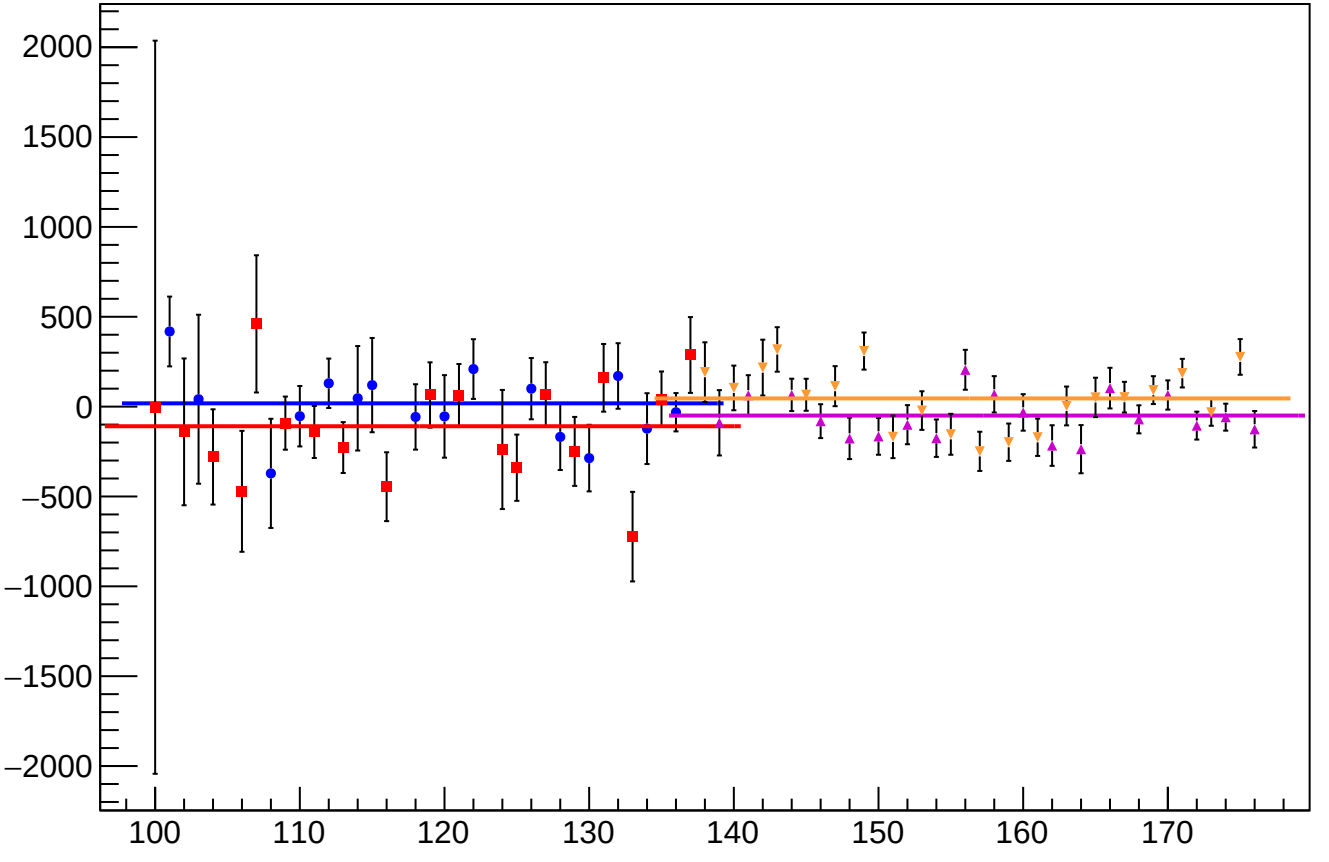
Left In: 792.174+/-0.148 χ^2/NDF:2142908.6/18

+ sign 908.305+/-0.144 χ^2/NDF: 5750230.1/35

All: 893.807+/-0.100 χ^2/NDF: 11820621.8/73

- sign 880.003+/-0.140 χ^2/NDF: 6050506.9/37

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 45.686+/-22.803 χ^2/NDF:48.0/19

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

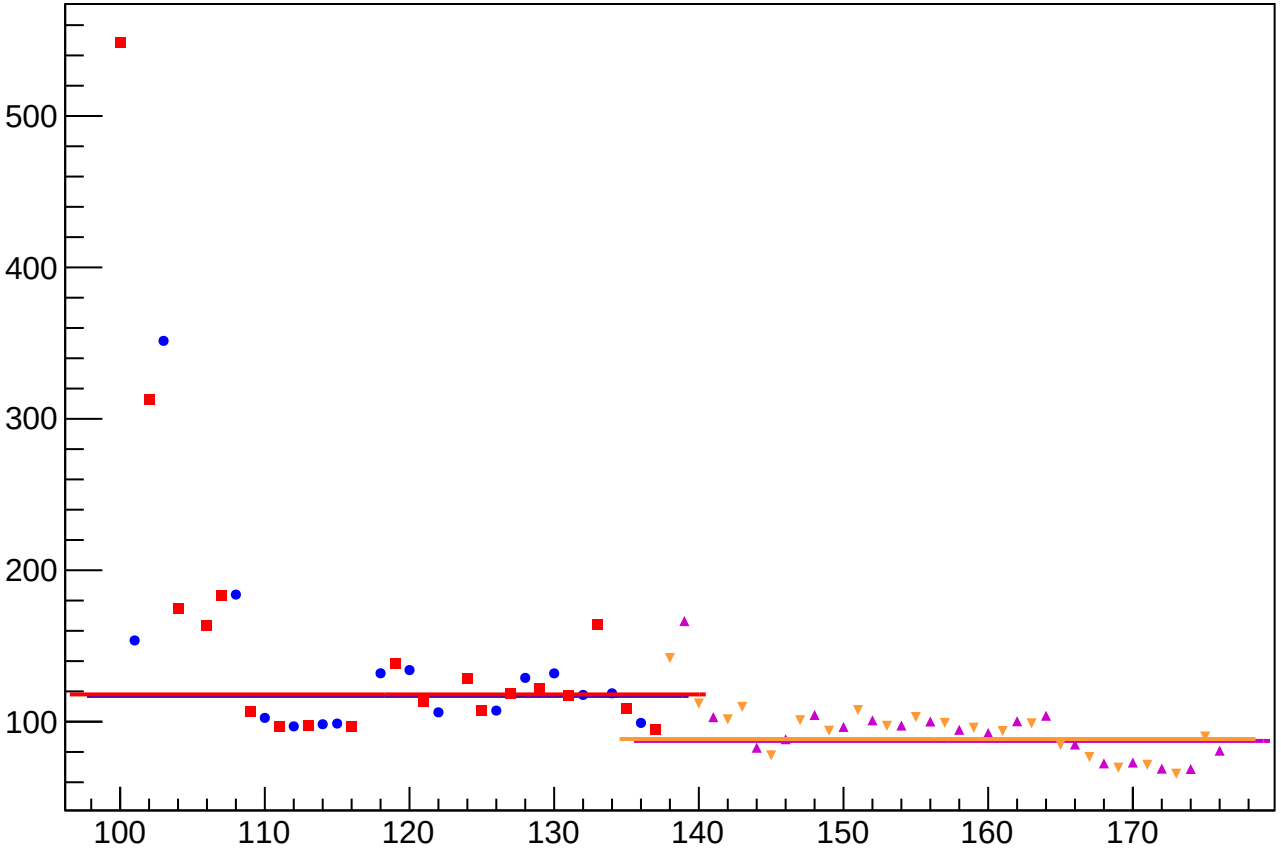
Left In: -49.751+/-22.722 χ^2/NDF:22.7/18

+ sign 40.206+/-20.404 χ^2/NDF: 62.1/35

All: -10.751+/-14.411 χ^2/NDF: 124.1/73

- sign -61.472+/-20.357 χ^2/NDF: 49.5/37

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.550+/-0.016 χ^2/NDF:1001780.4/19

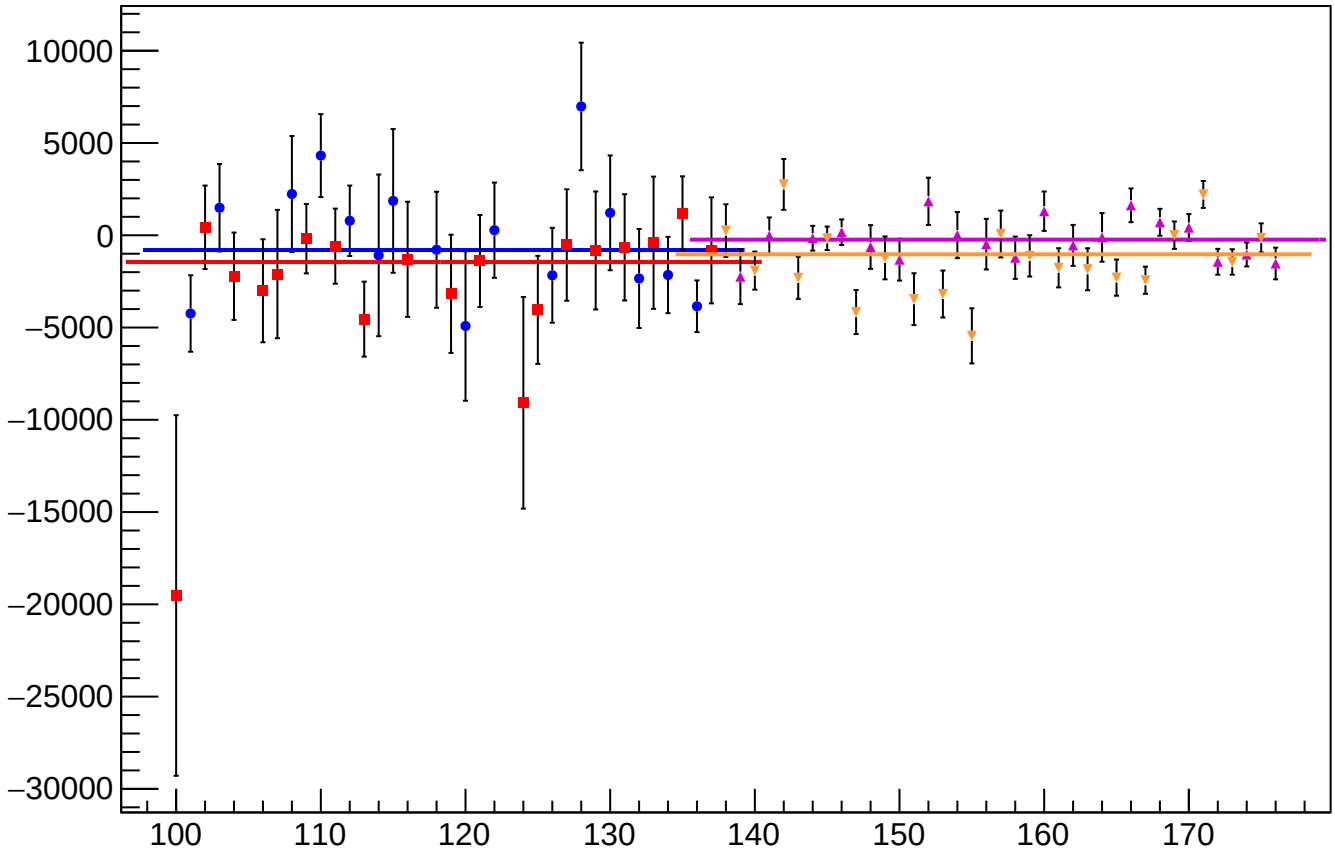
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.304+/-0.016 χ^2/NDF:1010388.0/18

+ sign 94.233+/-0.014 χ^2/NDF: 2483417.0/35

All: 93.796+/-0.010 χ^2/NDF: 5202708.7/73

- sign 93.362+/-0.014 χ^2/NDF: 2717465.0/37



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1030.309+/-215.197 χ^2/NDF:64.2/19

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

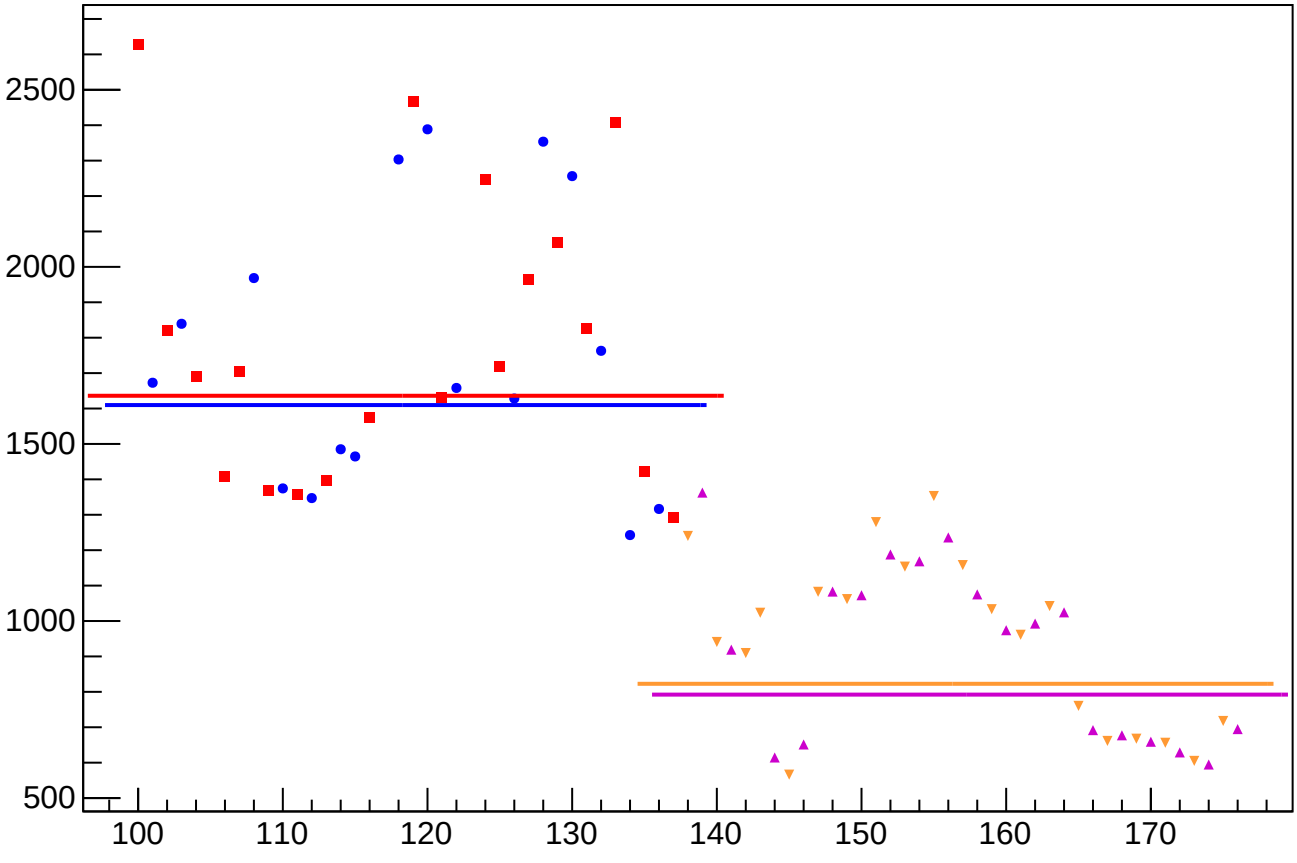
Left In: -236.524+/-209.424 χ^2/NDF:22.2/18

+ sign -1005.163+/-203.157 χ^2/NDF: 87.7/35

All: -676.019+/-141.878 χ^2/NDF: 131.0/73

- sign -362.657+/-198.226 χ^2/NDF: 38.1/37

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 822.699+/-0.152 χ^2/NDF:2221067.4/19

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

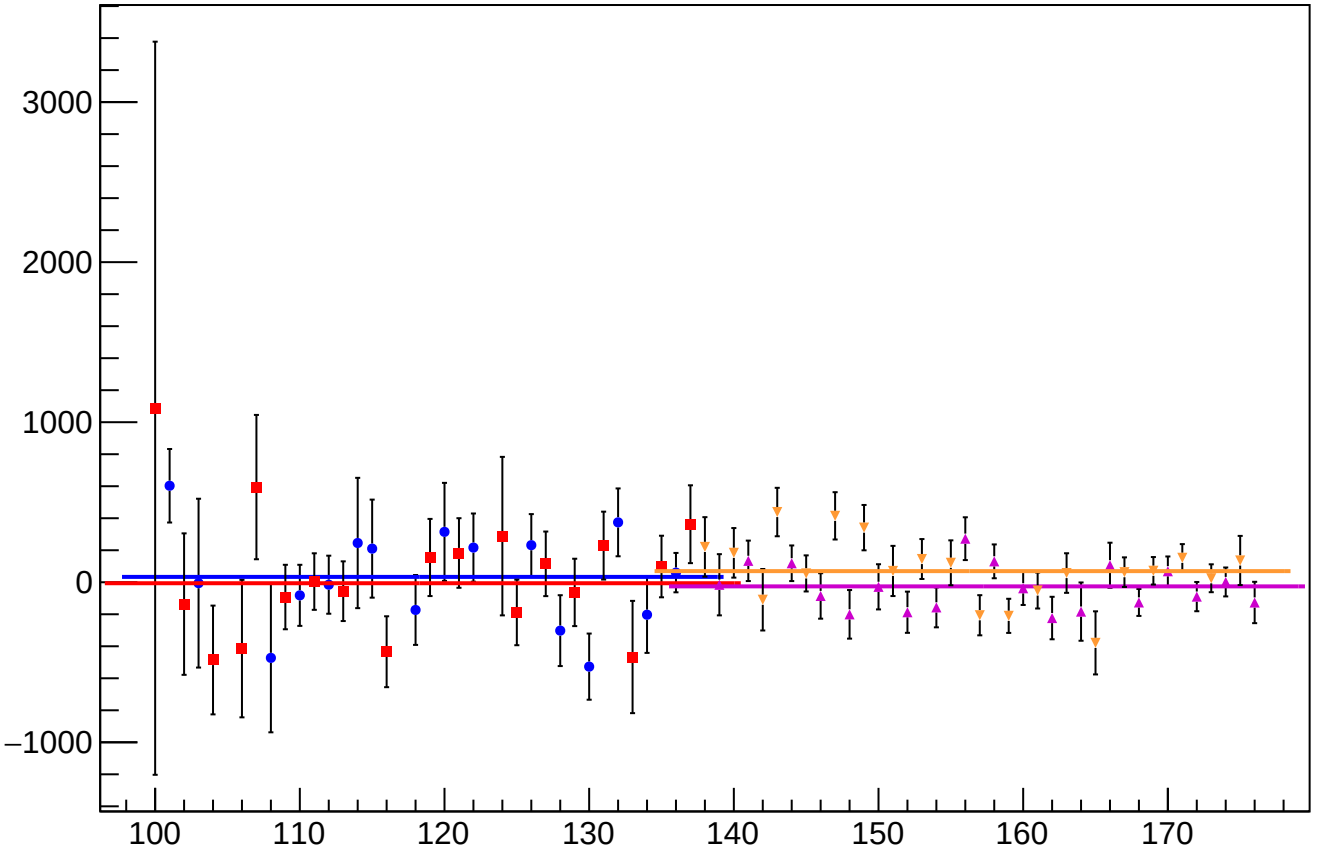
Left In: 792.174+/-0.148 χ^2/NDF:2142908.6/18

+ sign 908.305+/-0.144 χ^2/NDF: 5750230.1/35

All: 893.807+/-0.100 χ^2/NDF: 11820621.8/73

- sign 880.003+/-0.140 χ^2/NDF: 6050506.9/37

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 69.497+/-27.154 χ^2/NDF:37.1/19

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

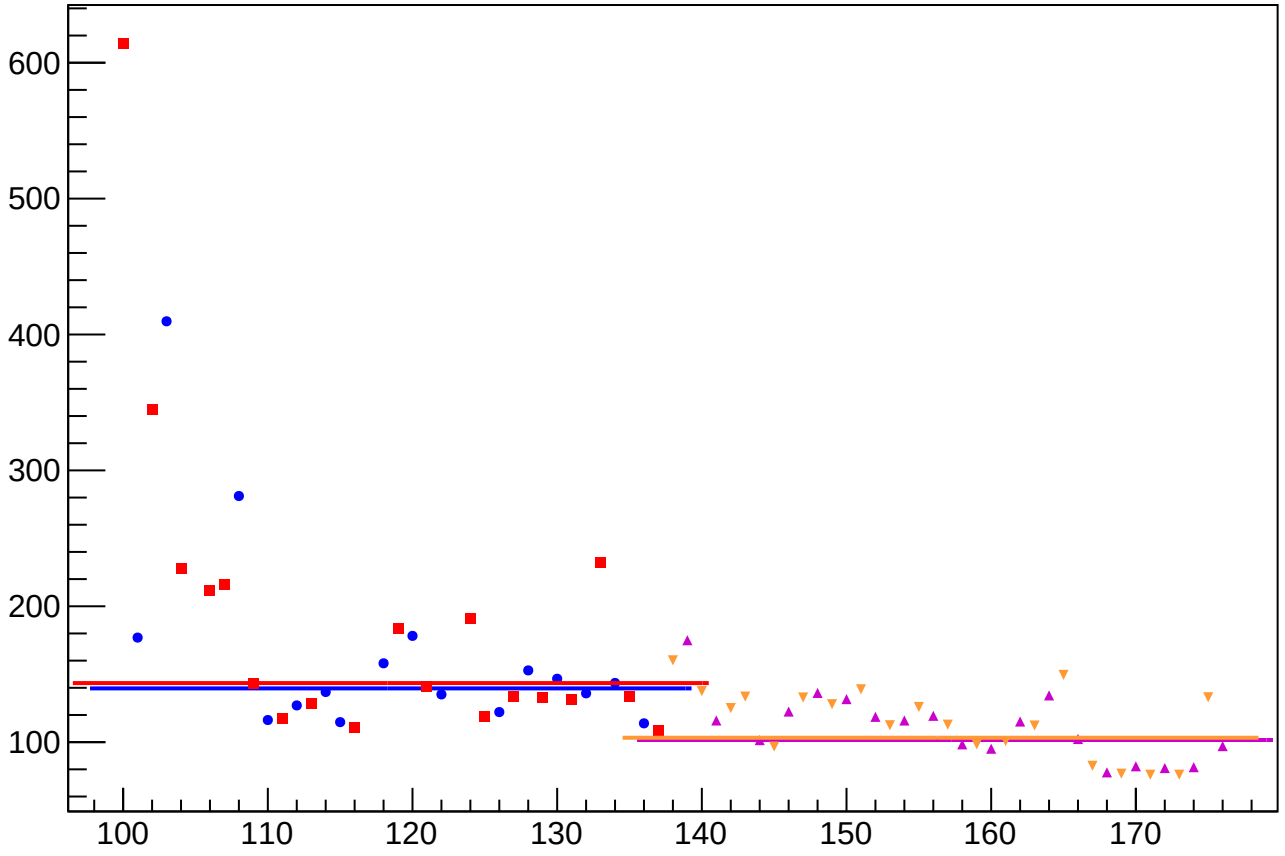
Left In: -25.761+/-26.980 χ^2/NDF:22.1/18

+ sign 62.418+/-24.340 χ^2/NDF: 62.6/35

All: 20.130+/-17.202 χ^2/NDF: 108.2/73

- sign -22.068+/-24.314 χ^2/NDF: 39.6/37

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 103.253+/-0.019 χ^2/NDF:1604509.4/19

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

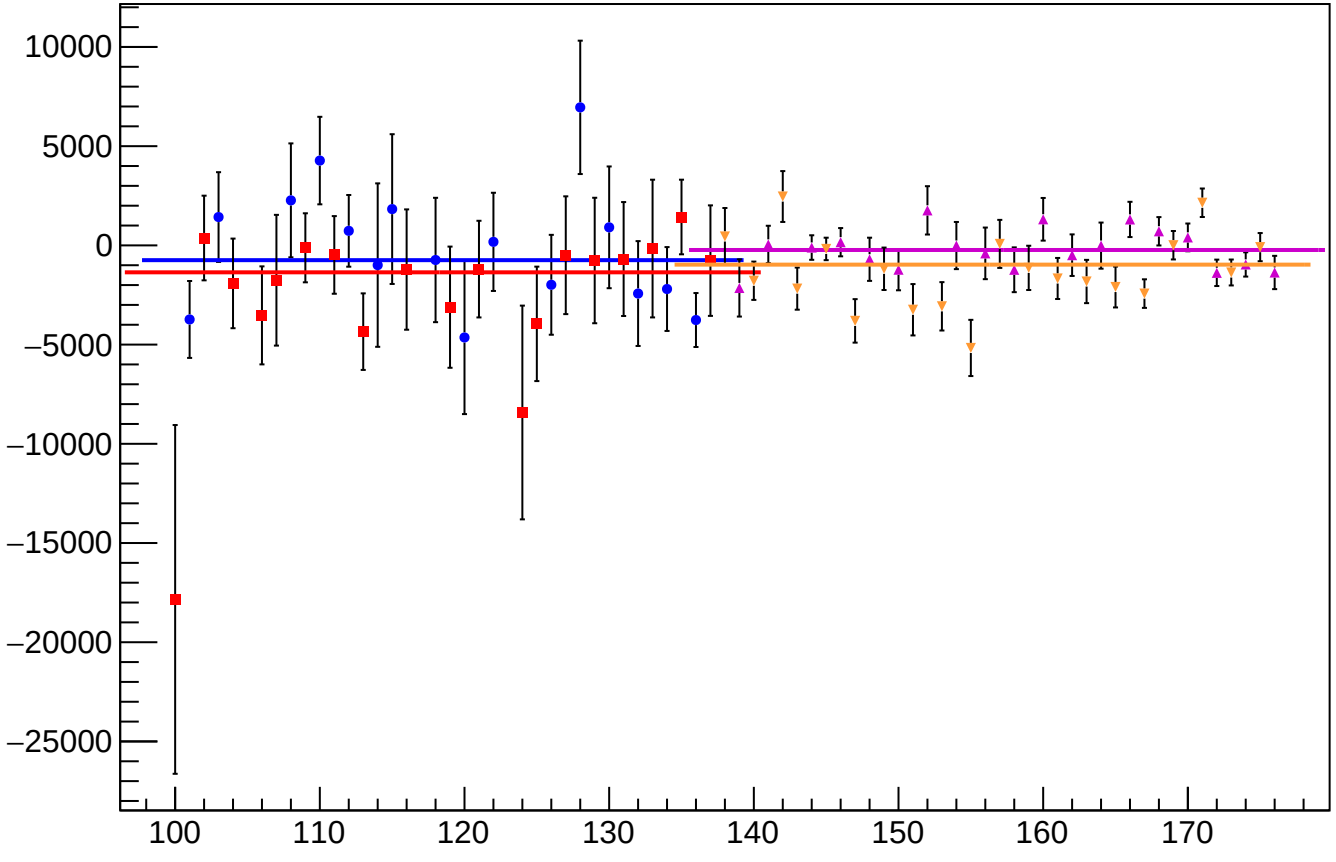
Left In: 101.592+/-0.019 χ^2/NDF:1202223.1/18

+ sign 110.389+/-0.017 χ^2/NDF: 3284134.4/35

All: 109.925+/-0.012 χ^2/NDF: 6510254.3/73

- sign 109.463+/-0.017 χ^2/NDF: 3224672.6/37

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -969.871+/-204.139 χ^2/NDF:63.4/19

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

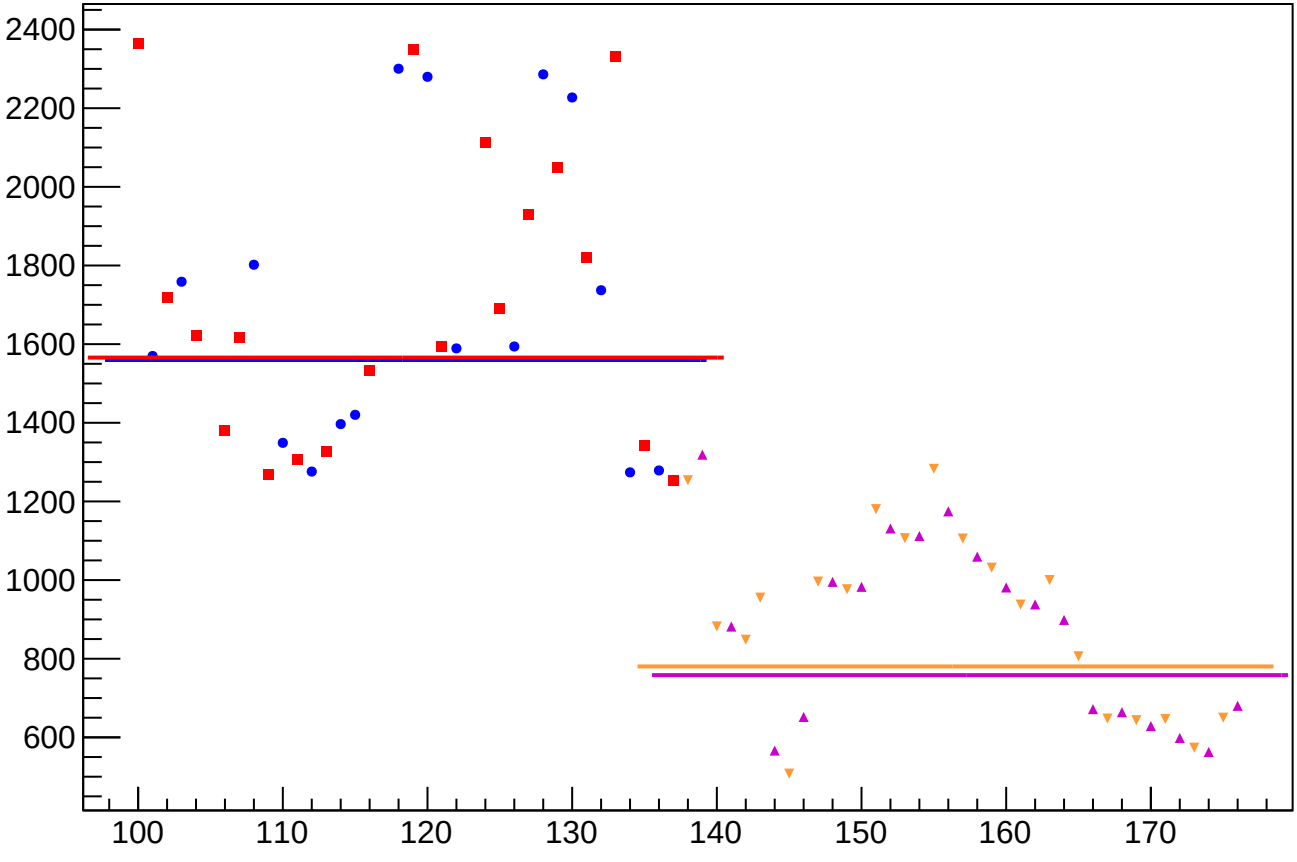
Left In: -232.012+/-200.542 χ^2/NDF:20.8/18

\+ sign -946.212+/-193.118 χ^2/NDF: 87.0/35

All: -642.892+/-135.342 χ^2/NDF: 129.5/73

\- sign -350.114+/-189.733 χ^2/NDF: 37.6/37

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 780.369+/-0.144 χ^2/NDF:2346346.5/19

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

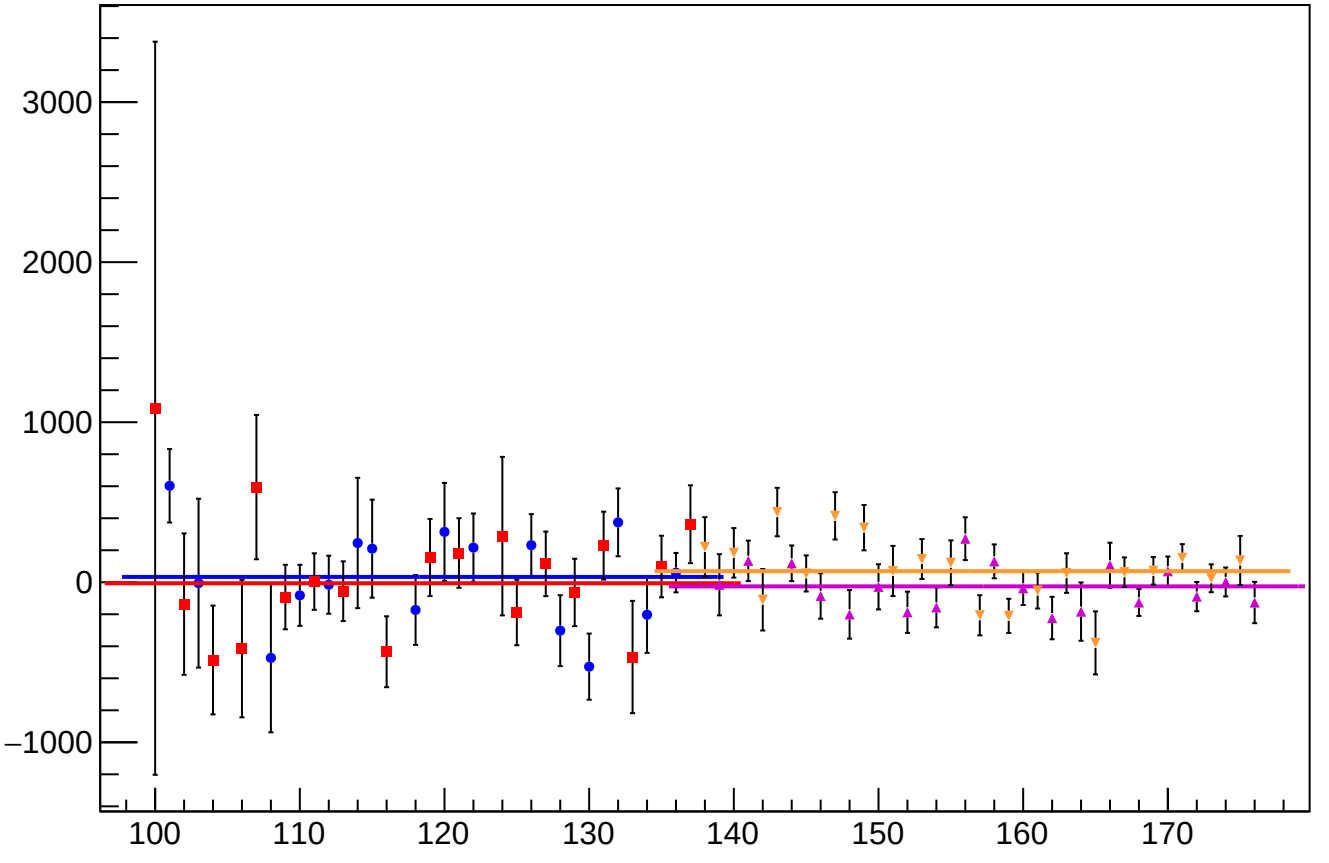
Left In: 758.262+/-0.142 χ^2/NDF:2108253.9/18

+ sign 862.248+/-0.137 χ^2/NDF: 6013174.4/35

All: 852.440+/-0.096 χ^2/NDF: 12097344.0/73

- sign 842.973+/-0.134 χ^2/NDF: 6074032.0/37

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 69.498+/-27.154 χ^2/NDF:37.1/19

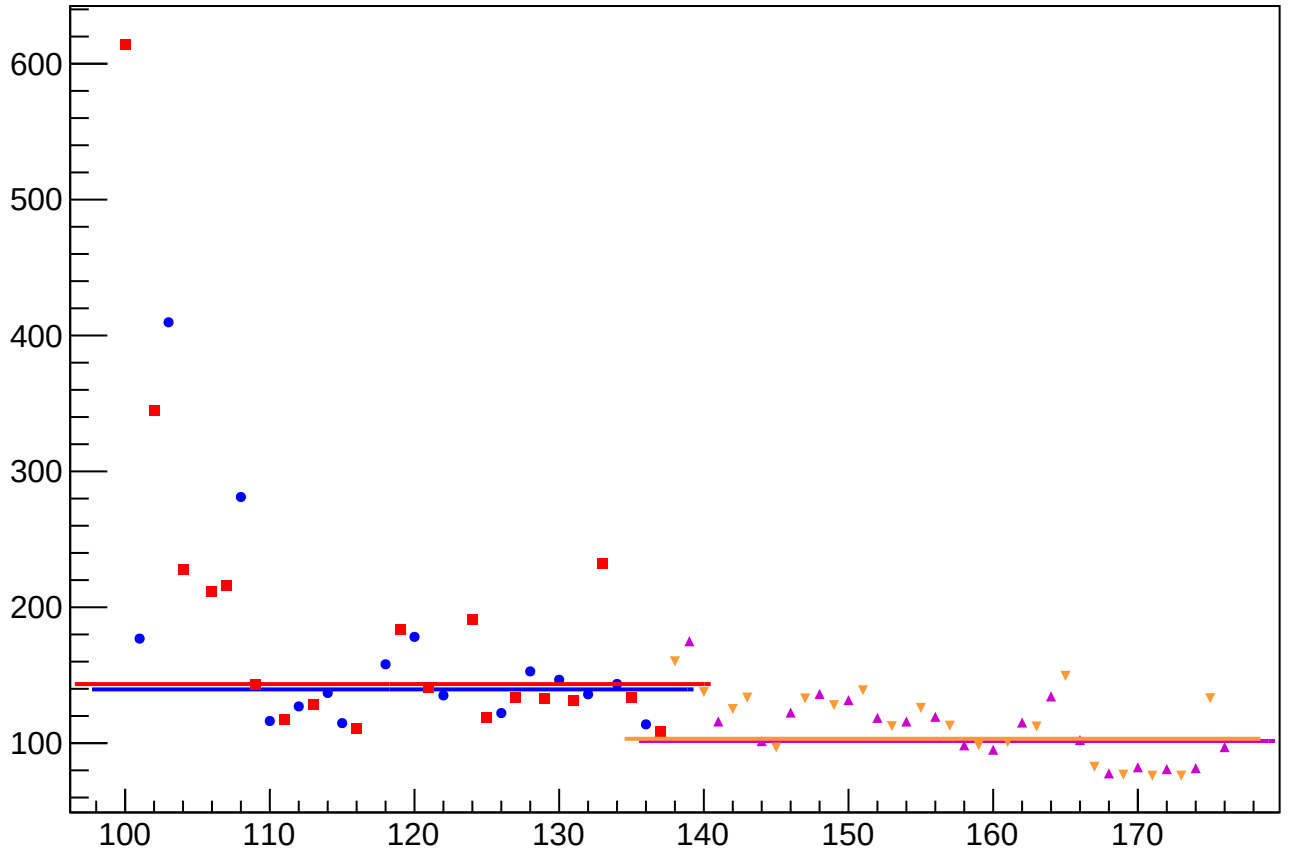
Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: -25.759+/-26.981 χ^2/NDF:22.1/18

+ sign 62.419+/-24.340 χ^2/NDF: 62.6/35

All: 20.131+/-17.202 χ^2/NDF: 108.2/73

- sign -22.066+/-24.314 χ^2/NDF: 39.6/37



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 103.253+/-0.019 χ^2/NDF:1604535.1/19

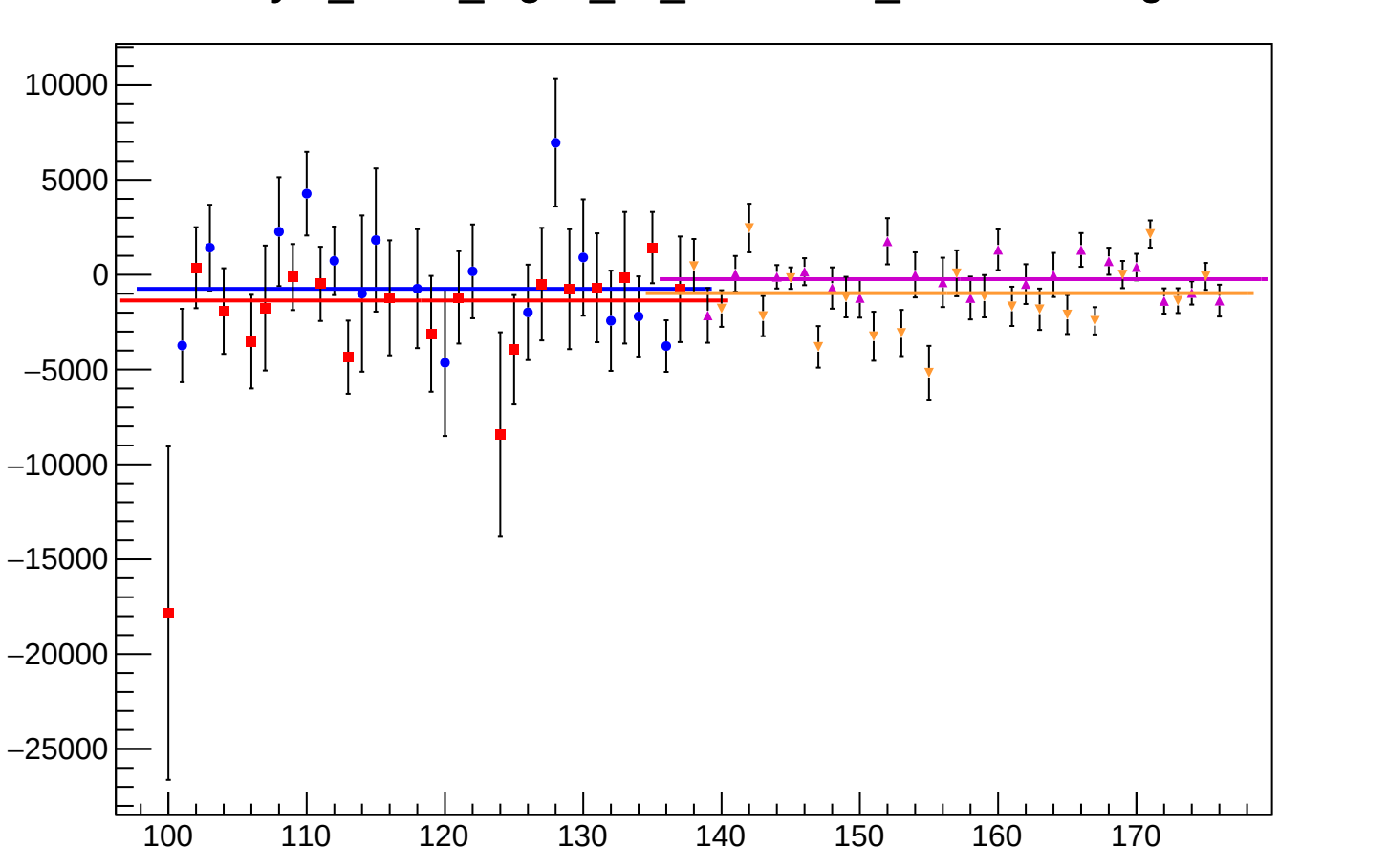
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 101.593+/-0.019 χ^2/NDF:1202237.9/18

+ sign 110.389+/-0.017 χ^2/NDF: 3284157.8/35

All: 109.926+/-0.012 χ^2/NDF: 6510300.0/73

- sign 109.463+/-0.017 χ^2/NDF: 3224695.0/37



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -969.871+/-204.139 χ^2/NDF:63.4/19

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

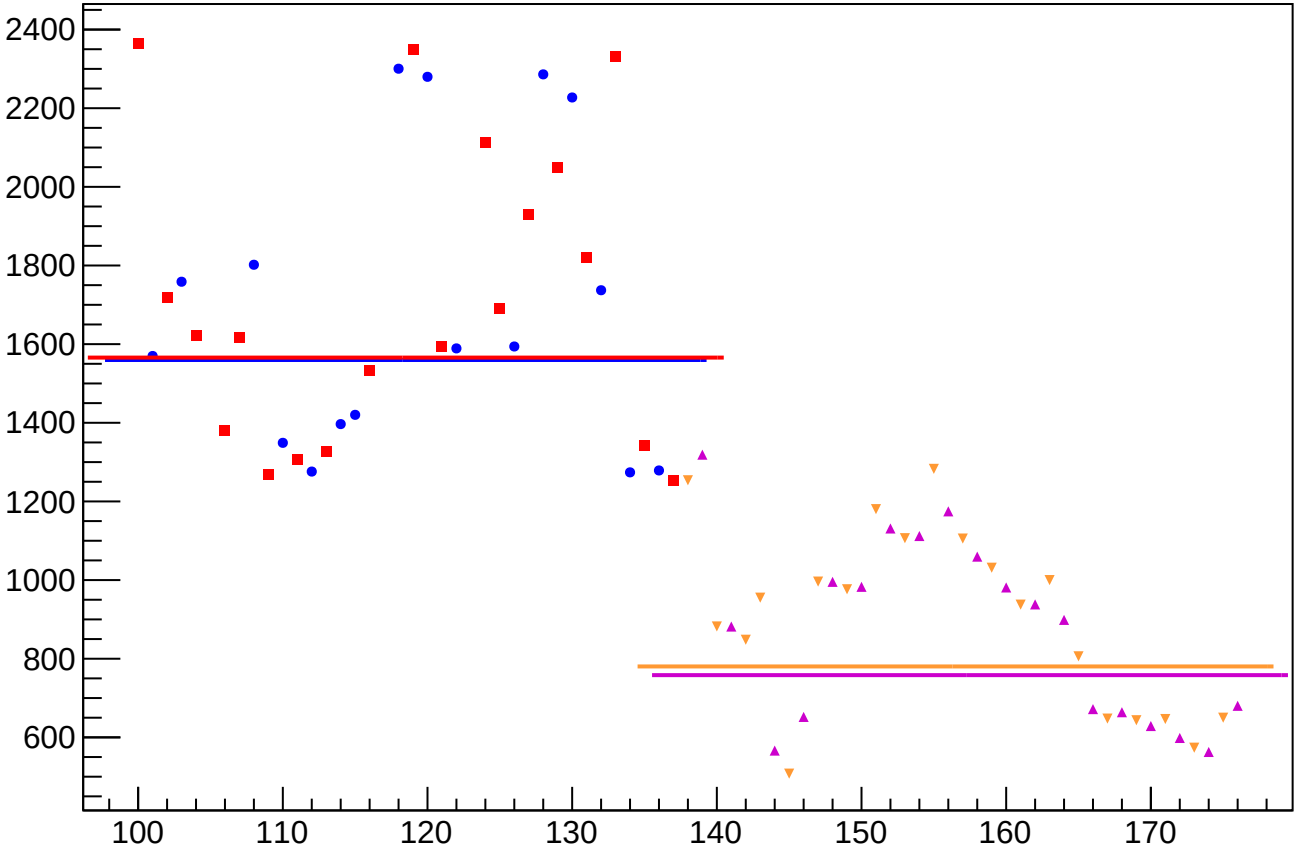
Left In: -232.011+/-200.542 χ^2/NDF:20.8/18

+ sign -946.213+/-193.118 χ^2/NDF: 87.0/35

All: -642.892+/-135.342 χ^2/NDF: 129.5/73

- sign -350.113+/-189.732 χ^2/NDF: 37.6/37

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 780.368+/-0.144 χ^2/NDF:2346340.7/19

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

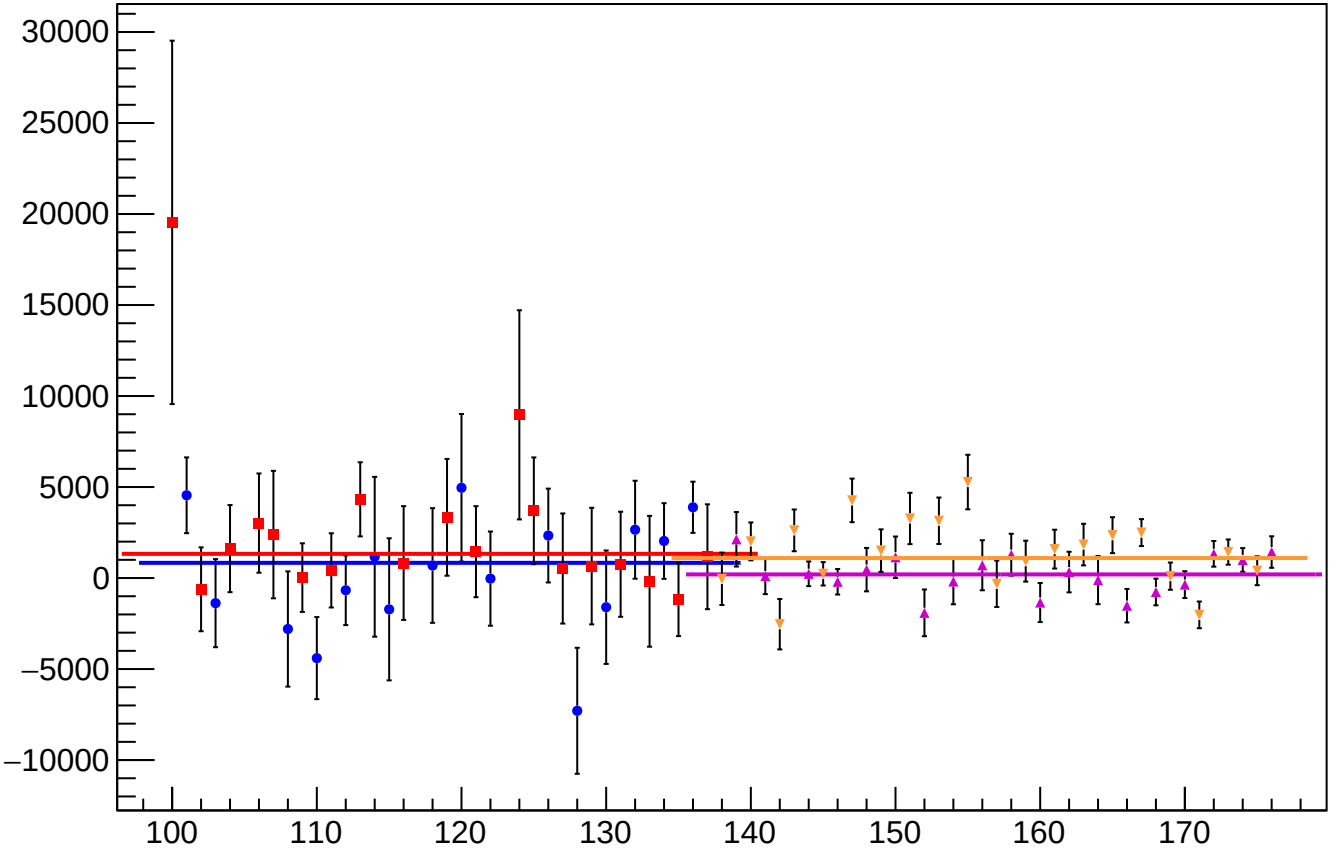
Left In: 758.262+/-0.142 χ^2/NDF:2108248.9/18

\+ sign 862.247+/-0.137 χ^2/NDF: 6013168.1/35

All: 852.439+/-0.096 χ^2/NDF: 12097327.9/73

\- sign 842.973+/-0.134 χ^2/NDF: 6074022.1/37

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1098.898+/-216.551 χ^2/NDF:59.7/19

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

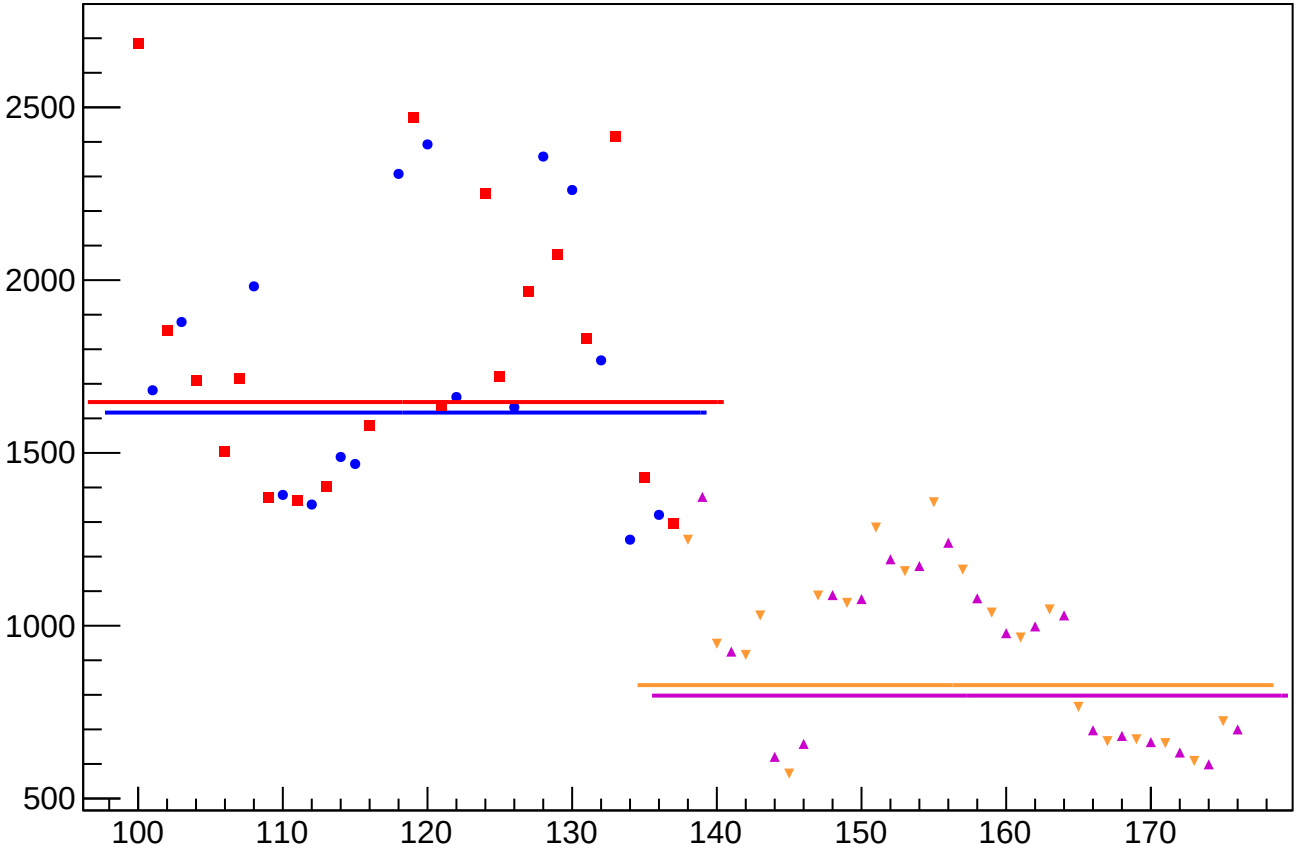
Left In: 199.772+/-210.822 χ^2/NDF:20.6/18

+ sign 1070.158+/-204.396 χ^2/NDF: 84.7/35

All: 684.963+/-142.759 χ^2/NDF: 127.3/73

- sign 318.080+/-199.478 χ^2/NDF: 35.7/37

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 828.139+/-0.153 χ^2/NDF:2200330.2/19

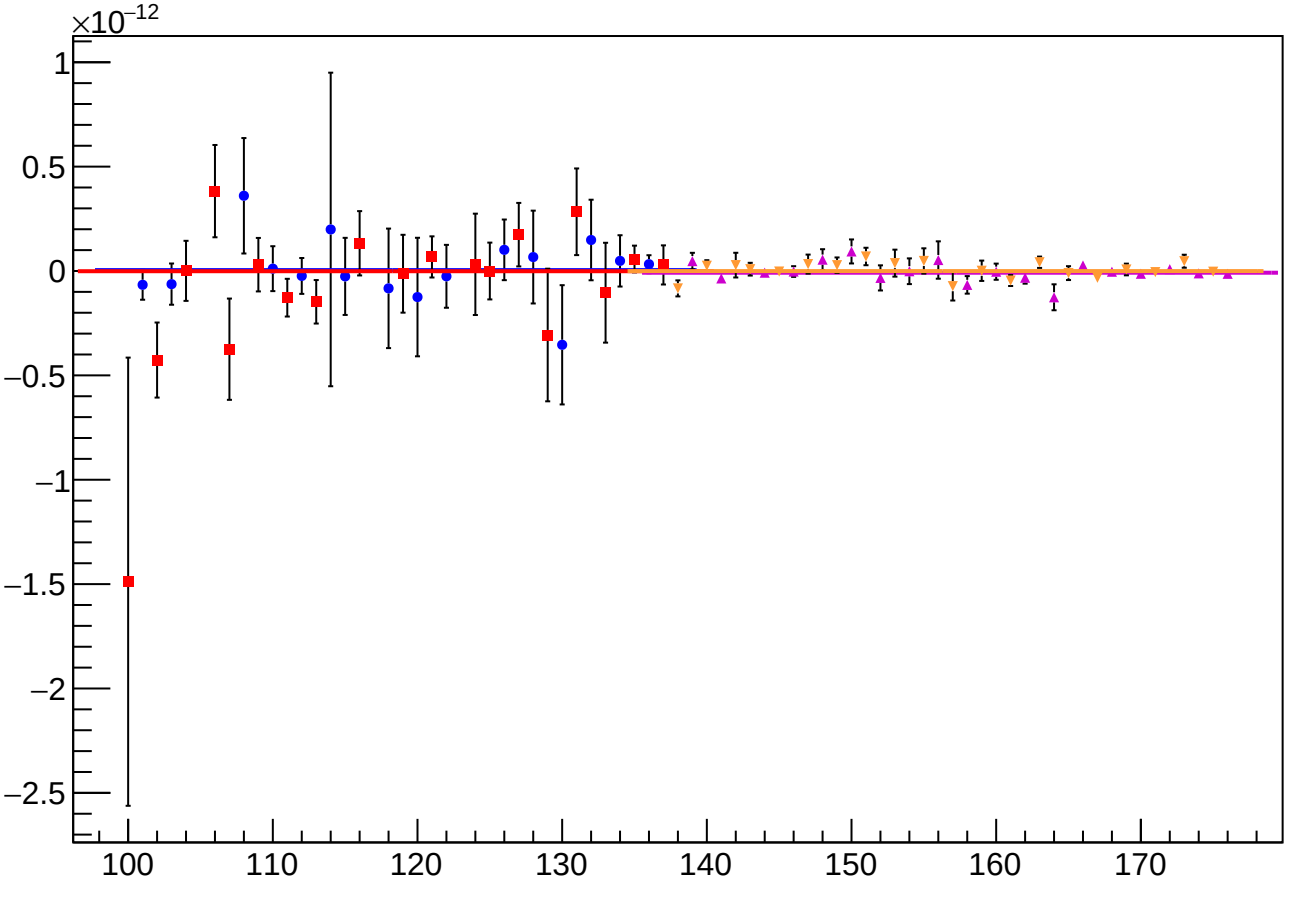
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 797.742+/-0.149 χ^2/NDF:2122469.9/18

+ sign 914.191+/-0.145 χ^2/NDF: 5717050.3/35

All: 900.111+/-0.101 χ^2/NDF: 11782363.0/73

- sign 886.699+/-0.141 χ^2/NDF: 6046781.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

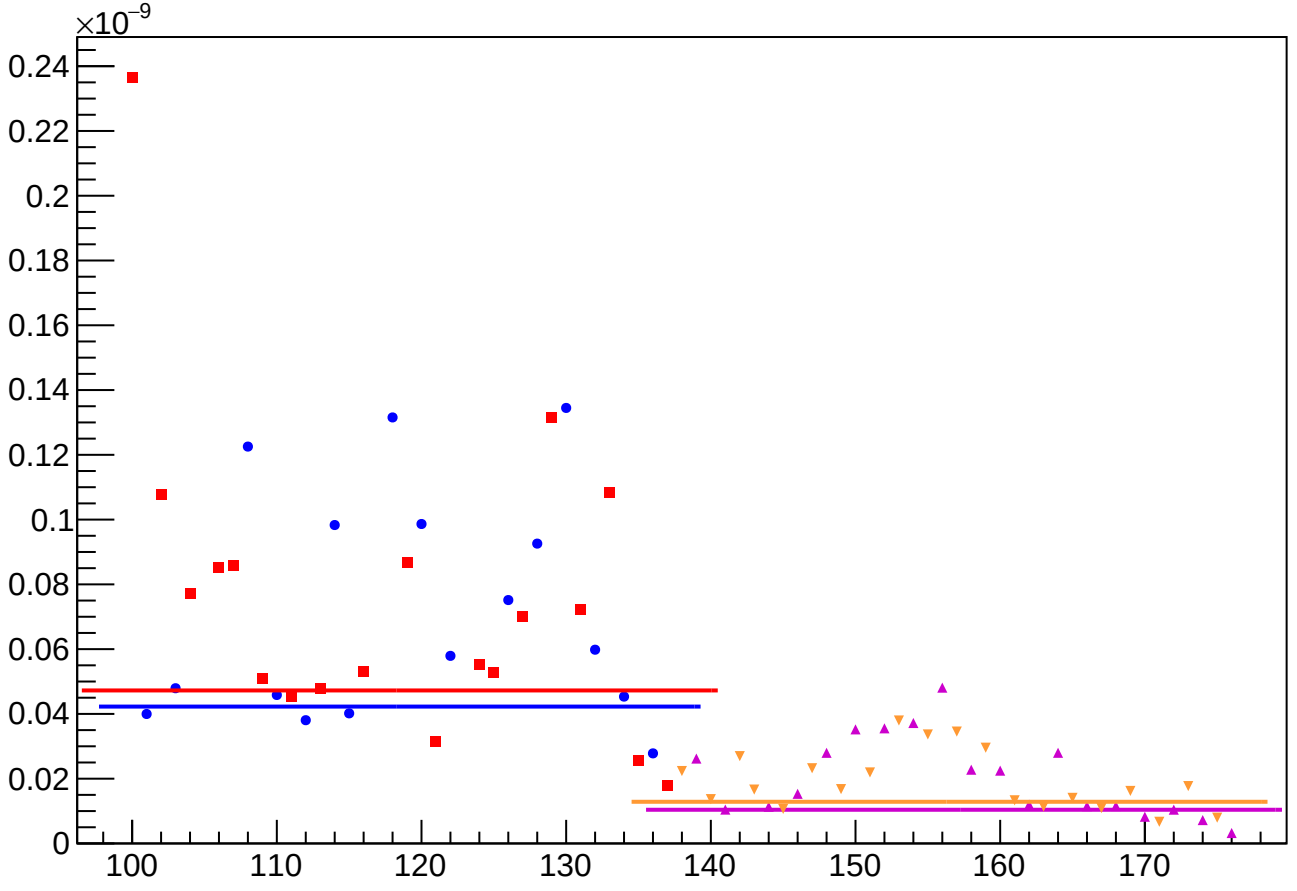
Left In: -0.000+/-0.000 χ^2/NDF:18.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/35

All: -0.000+/-0.000 χ^2/NDF: 72.0/73

- sign -0.000+/-0.000 χ^2/NDF: 41.6/37

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2130604.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

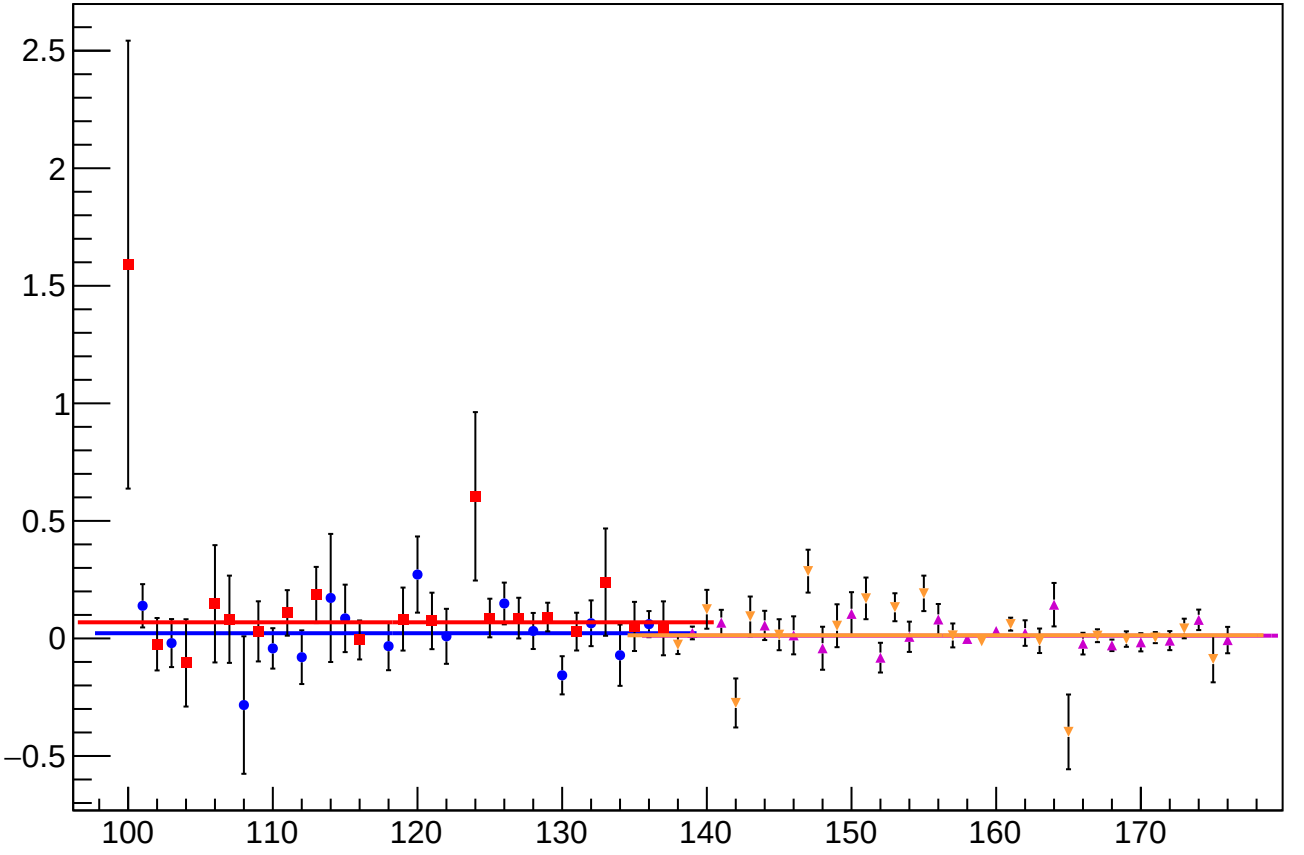
Left In: 0.000+/-0.000 χ^2/NDF:3588894.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 5497183.2/35

All: 0.000+/-0.000 χ^2/NDF: 13583368.5/73

- sign 0.000+/-0.000 χ^2/NDF: 7862667.9/37

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

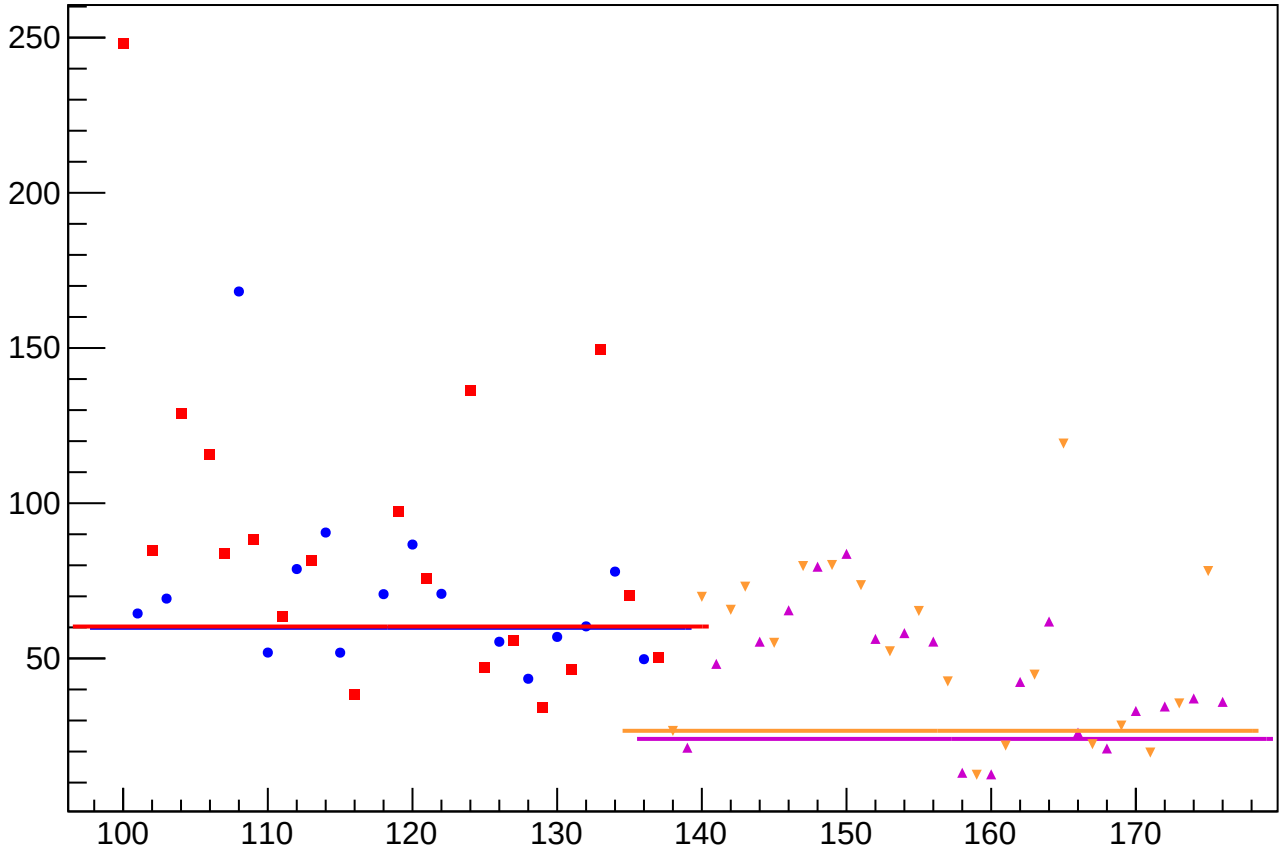
Left In: 0.012+/-0.008 χ^2/NDF:17.3/18

+ sign 0.014+/-0.008 χ^2/NDF: 63.3/35

All: 0.016+/-0.006 χ^2/NDF: 94.9/73

- sign 0.017+/-0.008 χ^2/NDF: 31.5/37

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.684+/-0.006 χ^2/NDF:8332555.7/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

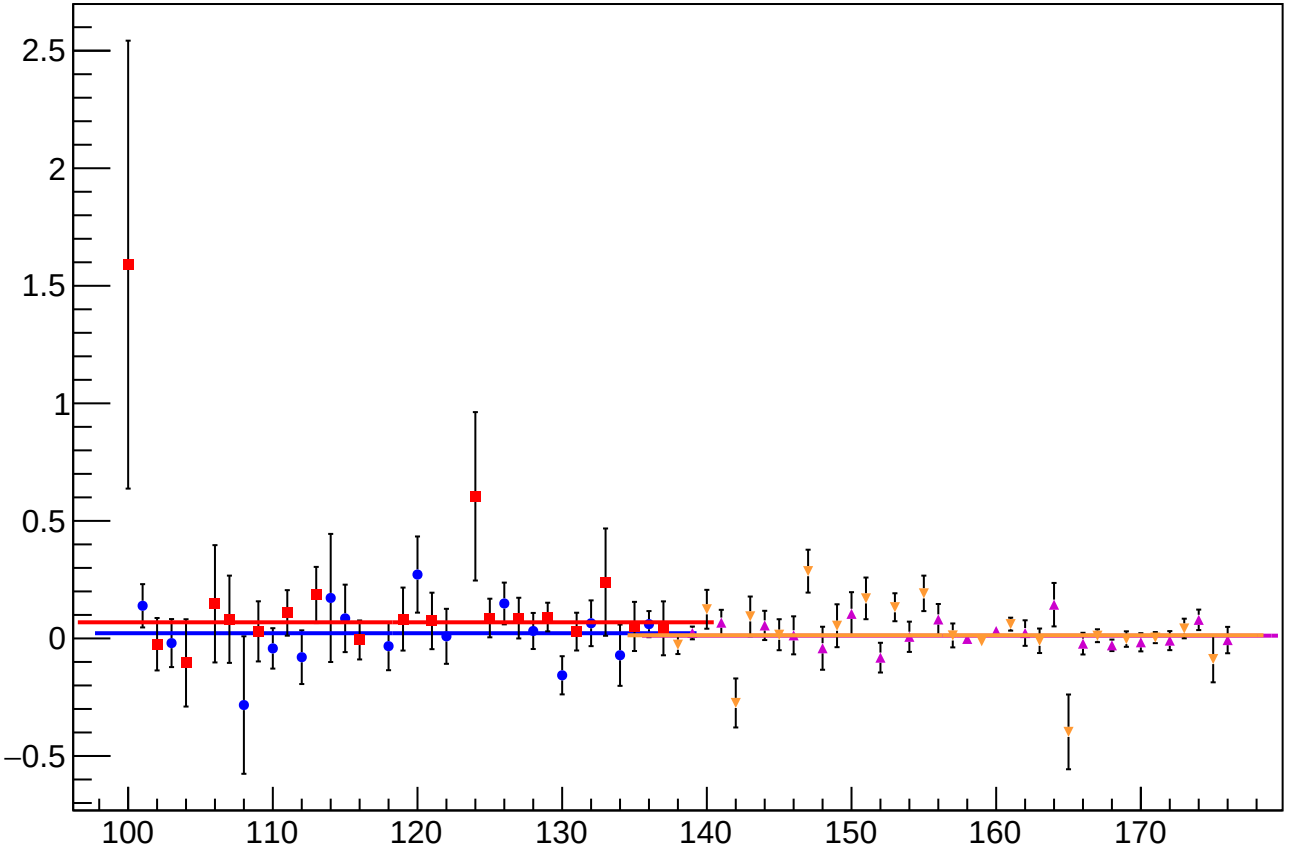
Left In: 24.075+/-0.006 χ^2/NDF:7575562.1/18

+ sign 30.381+/-0.006 χ^2/NDF: 12245719.2/35

All: 28.787+/-0.004 χ^2/NDF: 25663354.8/73

- sign 27.406+/-0.005 χ^2/NDF: 13277780.5/37

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

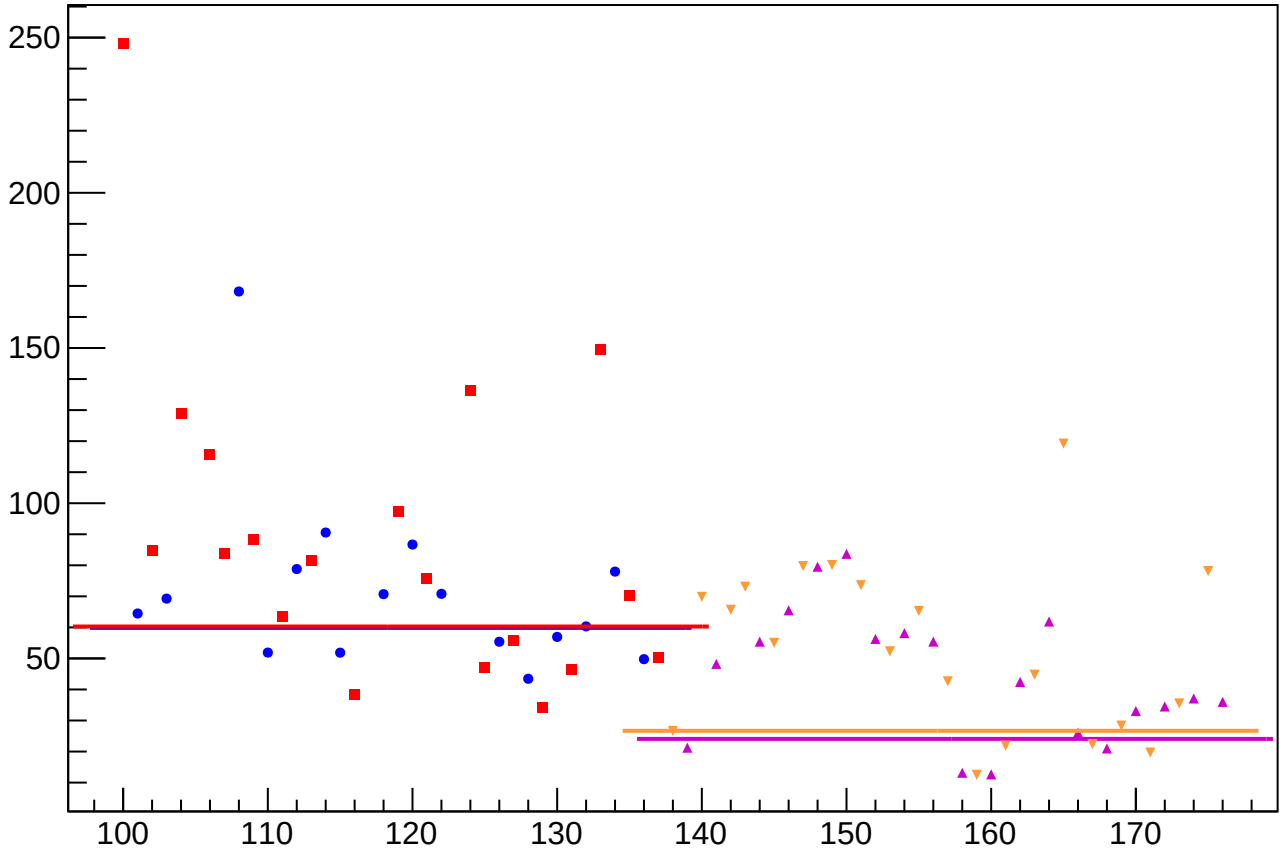
Left In: 0.012+/-0.008 χ^2/NDF:17.3/18

+ sign 0.014+/-0.008 χ^2/NDF: 63.3/35

All: 0.016+/-0.006 χ^2/NDF: 94.9/73

- sign 0.017+/-0.008 χ^2/NDF: 31.5/37

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.684+/-0.006 χ^2/NDF:8332555.7/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

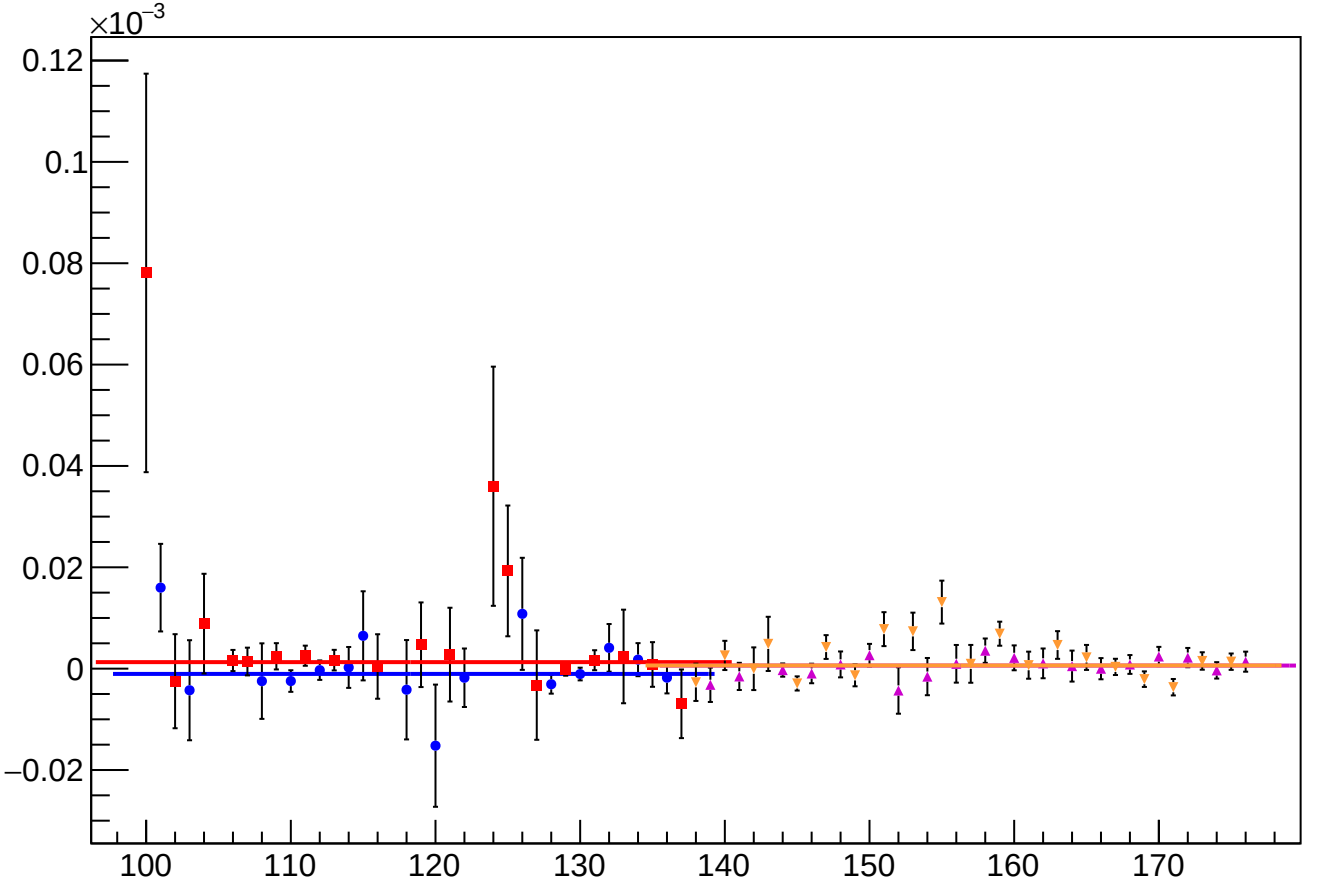
Left In: 24.075+/-0.006 χ^2/NDF:7575562.1/18

+ sign 30.381+/-0.006 χ^2/NDF: 12245719.2/35

All: 28.787+/-0.004 χ^2/NDF: 25663354.8/73

- sign 27.406+/-0.005 χ^2/NDF: 13277780.5/37

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:48.4/19

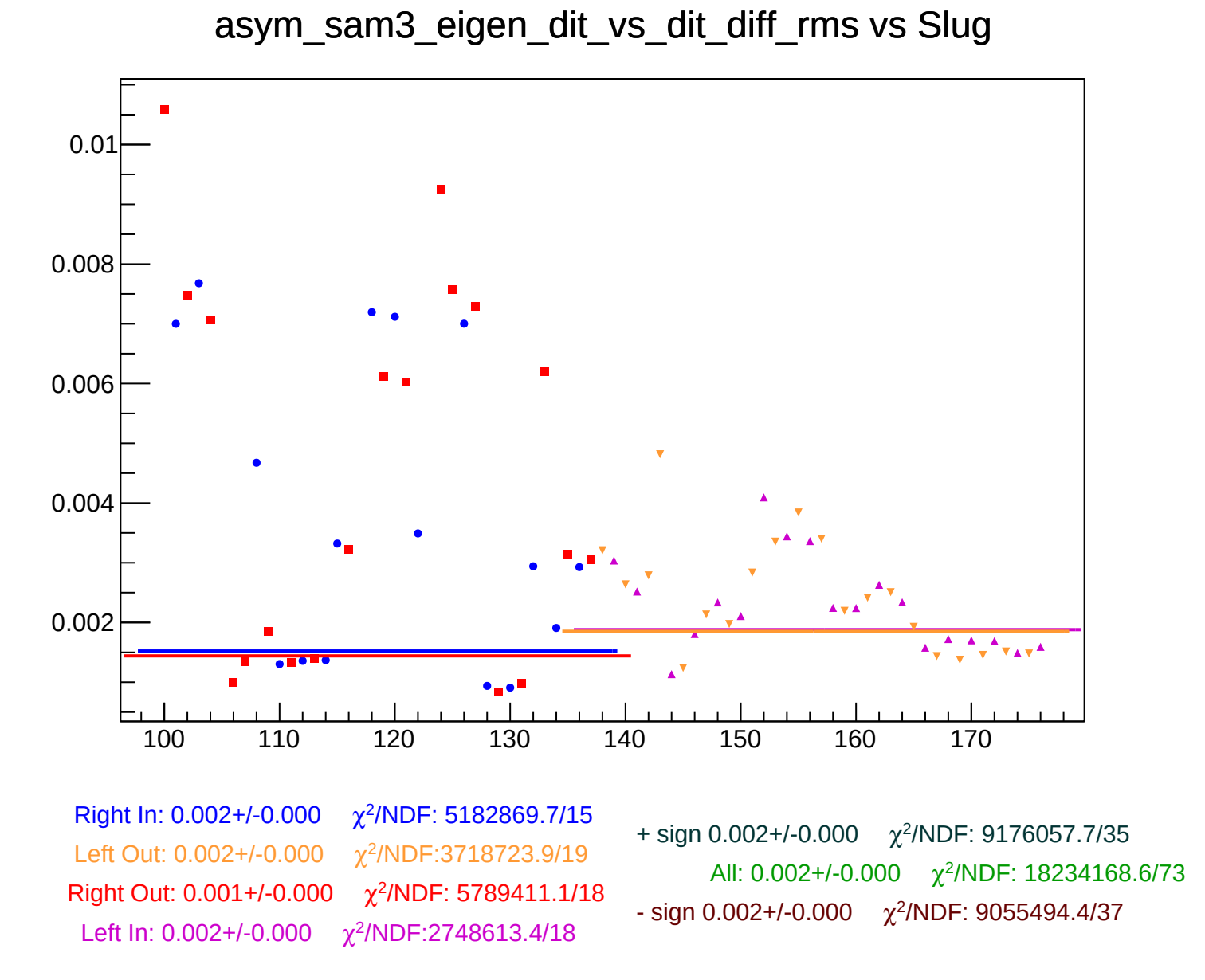
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/18

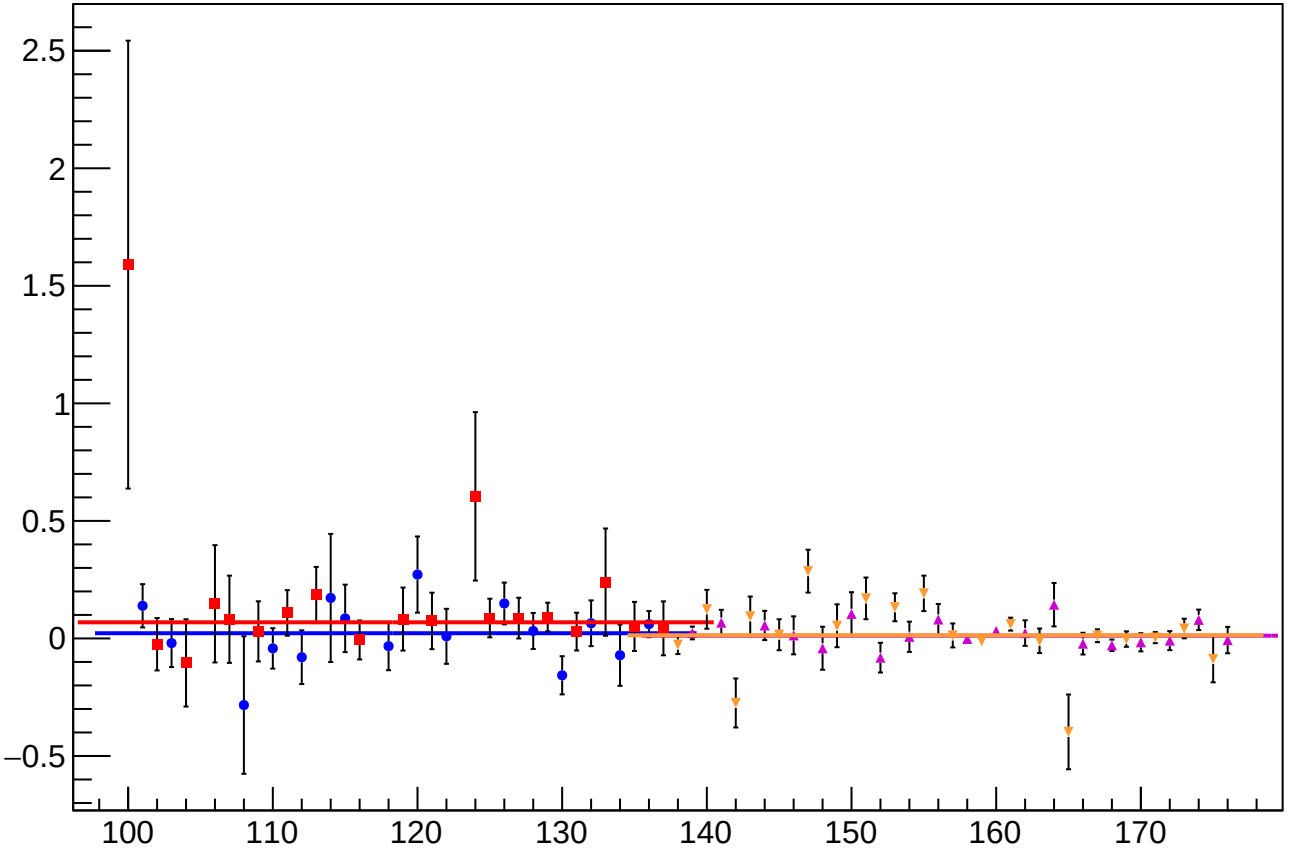
+ sign 0.000+/-0.000 χ^2/NDF: 63.2/35

All: 0.000+/-0.000 χ^2/NDF: 87.3/73

- sign 0.000+/-0.000 χ^2/NDF: 22.5/37


asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 5182869.7/15
Left Out: 0.002+/-0.000 χ²/NDF:3718723.9/19
Right Out: 0.001+/-0.000 χ²/NDF: 5789411.1/18
Left In: 0.002+/-0.000 χ²/NDF:2748613.4/18
+ sign 0.002+/-0.000 χ²/NDF: 9176057.7/35
All: 0.002+/-0.000 χ²/NDF: 18234168.6/73
- sign 0.002+/-0.000 χ²/NDF: 9055494.4/37

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

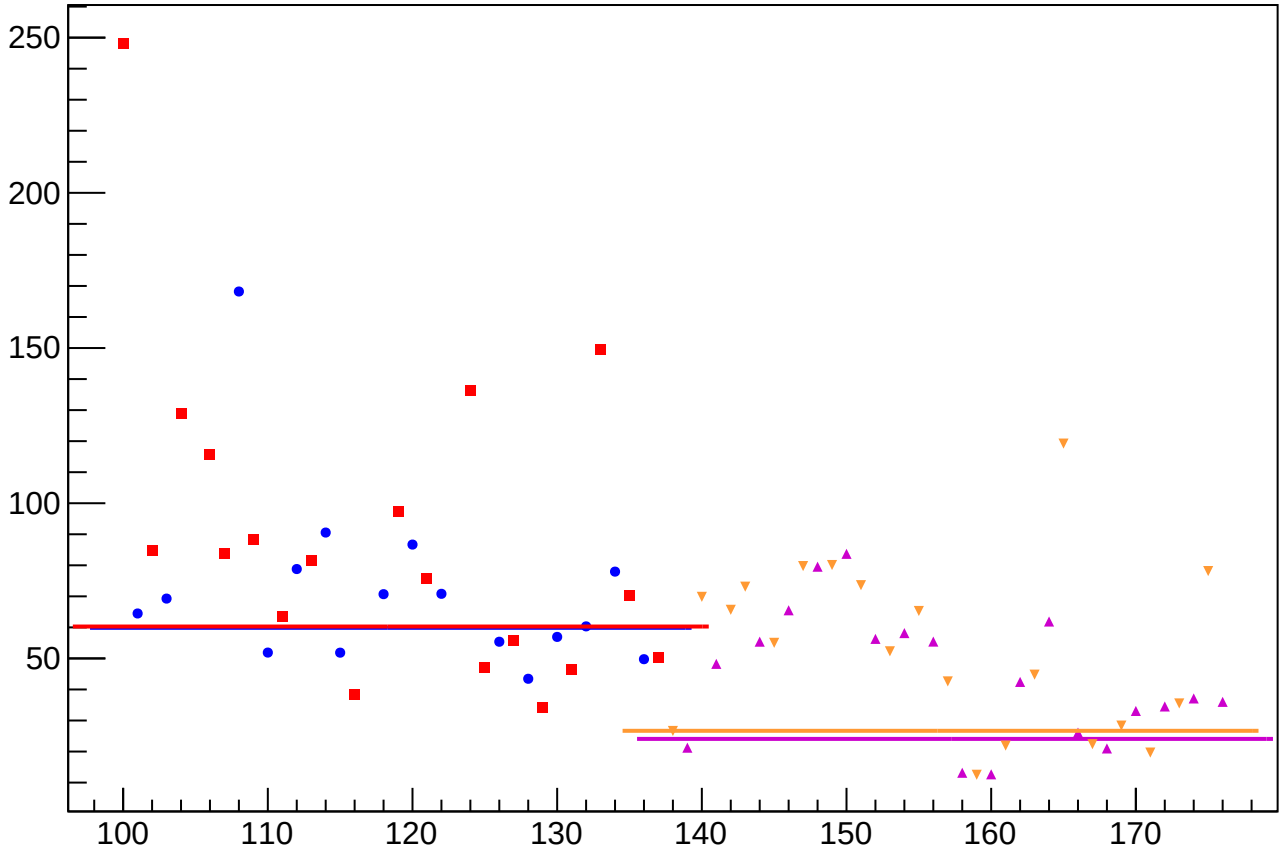
Left In: 0.012+/-0.008 χ^2/NDF:17.3/18

+ sign 0.014+/-0.008 χ^2/NDF: 63.3/35

All: 0.016+/-0.006 χ^2/NDF: 94.9/73

- sign 0.017+/-0.008 χ^2/NDF: 31.5/37

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.683+/-0.006 χ^2/NDF:8333497.5/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

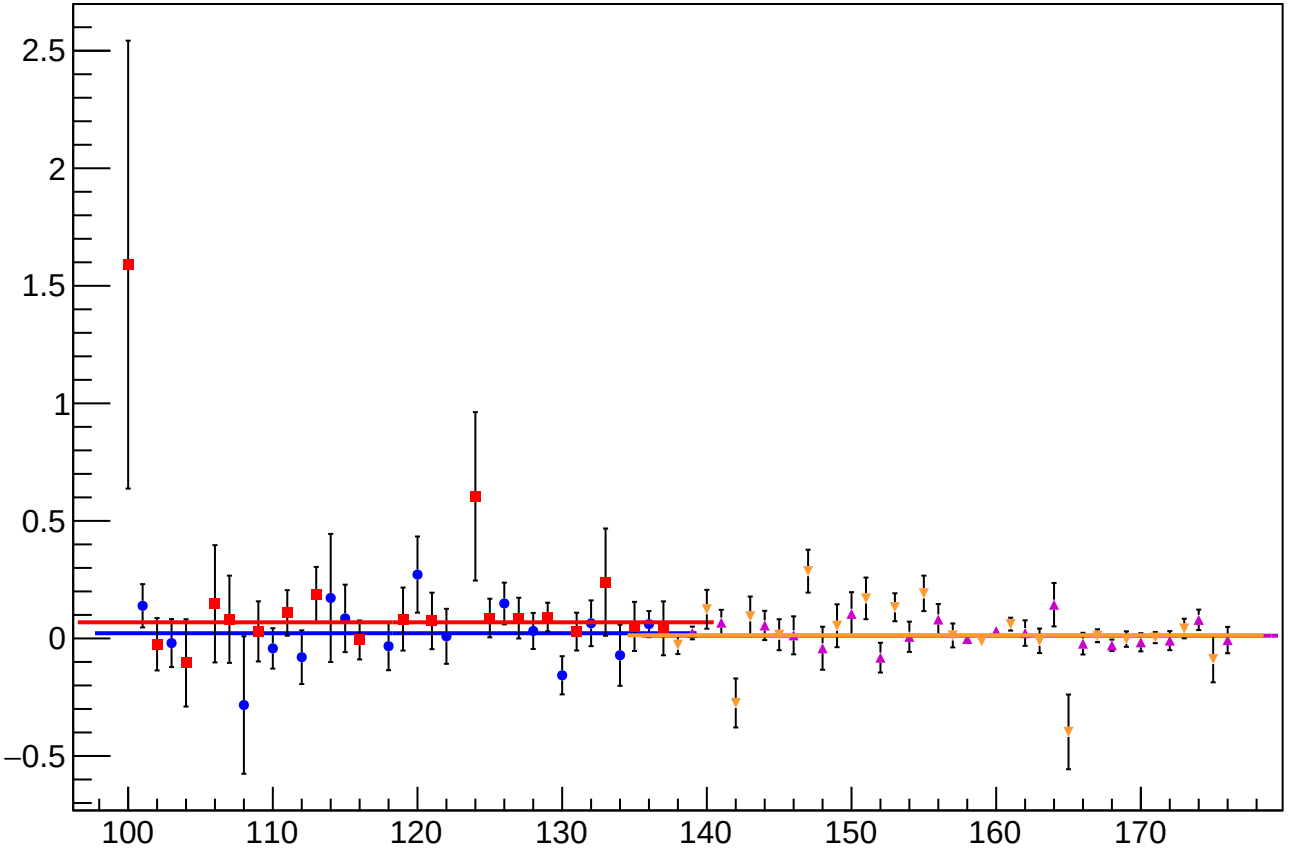
Left In: 24.075+/-0.006 χ^2/NDF:7576018.6/18

+ sign 30.380+/-0.006 χ^2/NDF: 12247044.9/35

All: 28.786+/-0.004 χ^2/NDF: 25665232.4/73

- sign 27.405+/-0.005 χ^2/NDF: 13278412.3/37

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: 0.013+/-0.009 χ^2/NDF:47.7/19

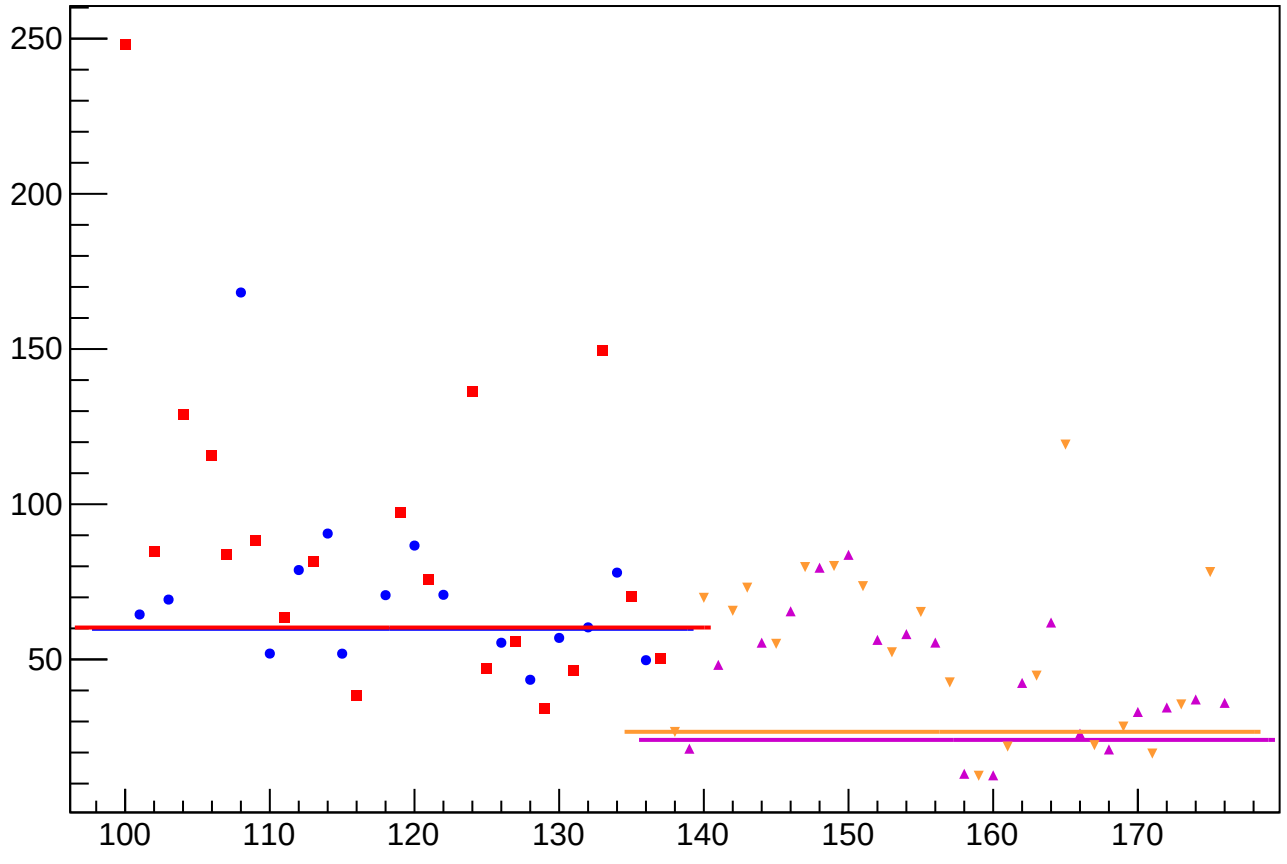
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.012+/-0.008 χ^2/NDF:17.3/18

+ sign 0.014+/-0.008 χ^2/NDF: 63.3/35

All: 0.016+/-0.006 χ^2/NDF: 94.9/73

- sign 0.017+/-0.008 χ^2/NDF: 31.5/37



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.683+/-0.006 χ^2/NDF:8333497.5/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

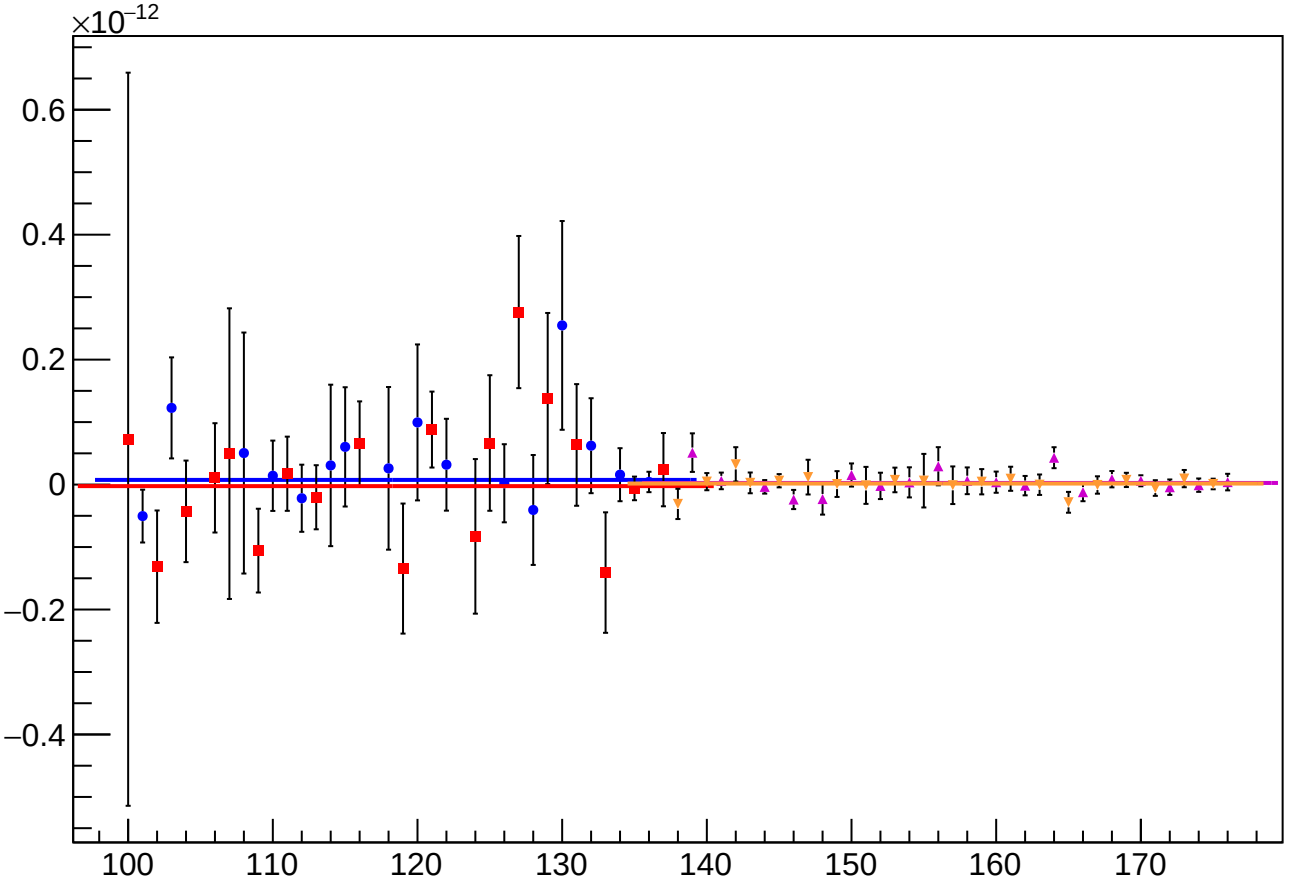
Left In: 24.075+/-0.006 χ^2/NDF:7576018.6/18

+ sign 30.380+/-0.006 χ^2/NDF: 12247044.9/35

All: 28.786+/-0.004 χ^2/NDF: 25665232.4/73

- sign 27.405+/-0.005 χ^2/NDF: 13278412.3/37

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

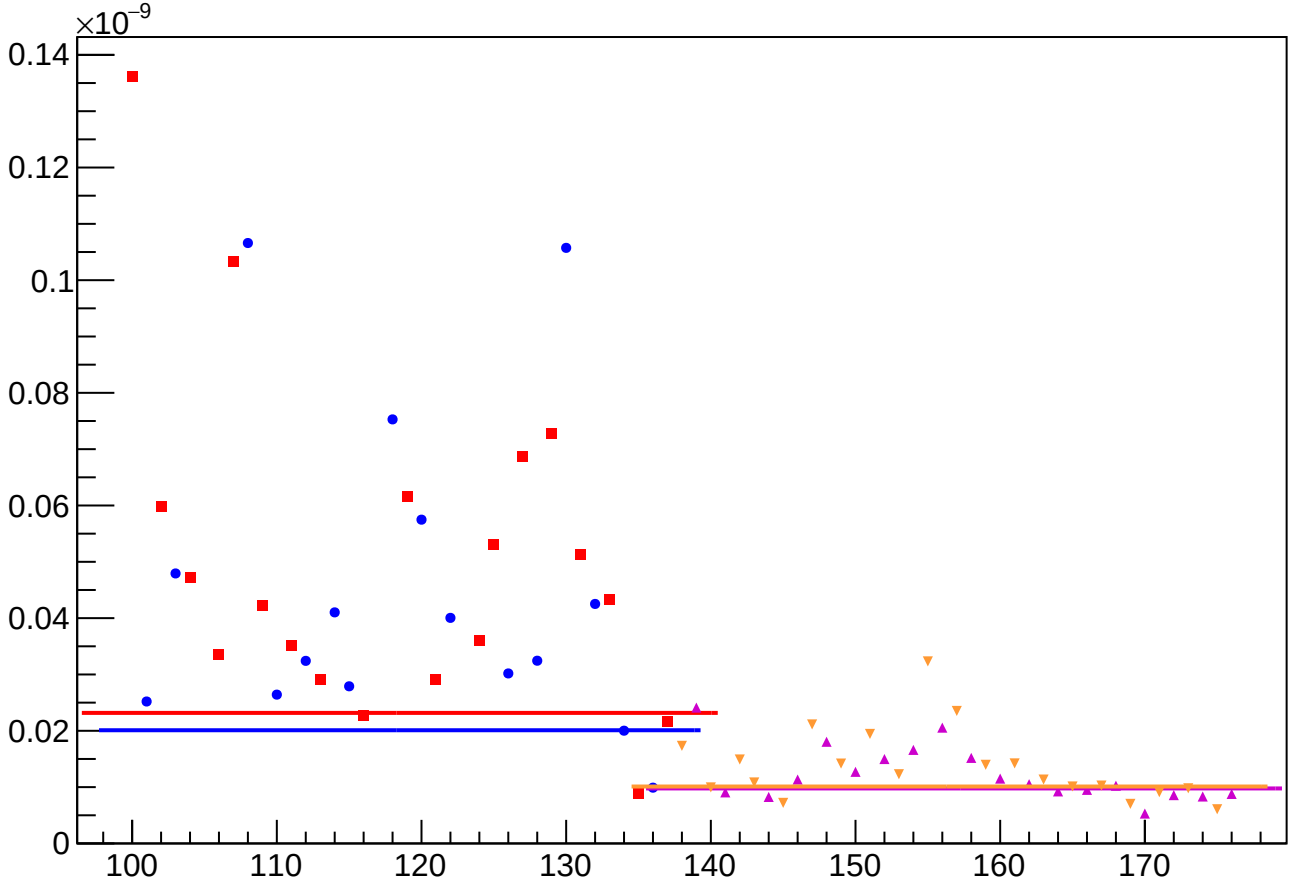
Left In: 0.000+/-0.000 χ^2/NDF:15.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 16.5/35

All: 0.000+/-0.000 χ^2/NDF: 52.2/73

- sign 0.000+/-0.000 χ^2/NDF: 35.7/37

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:2729416.5/19

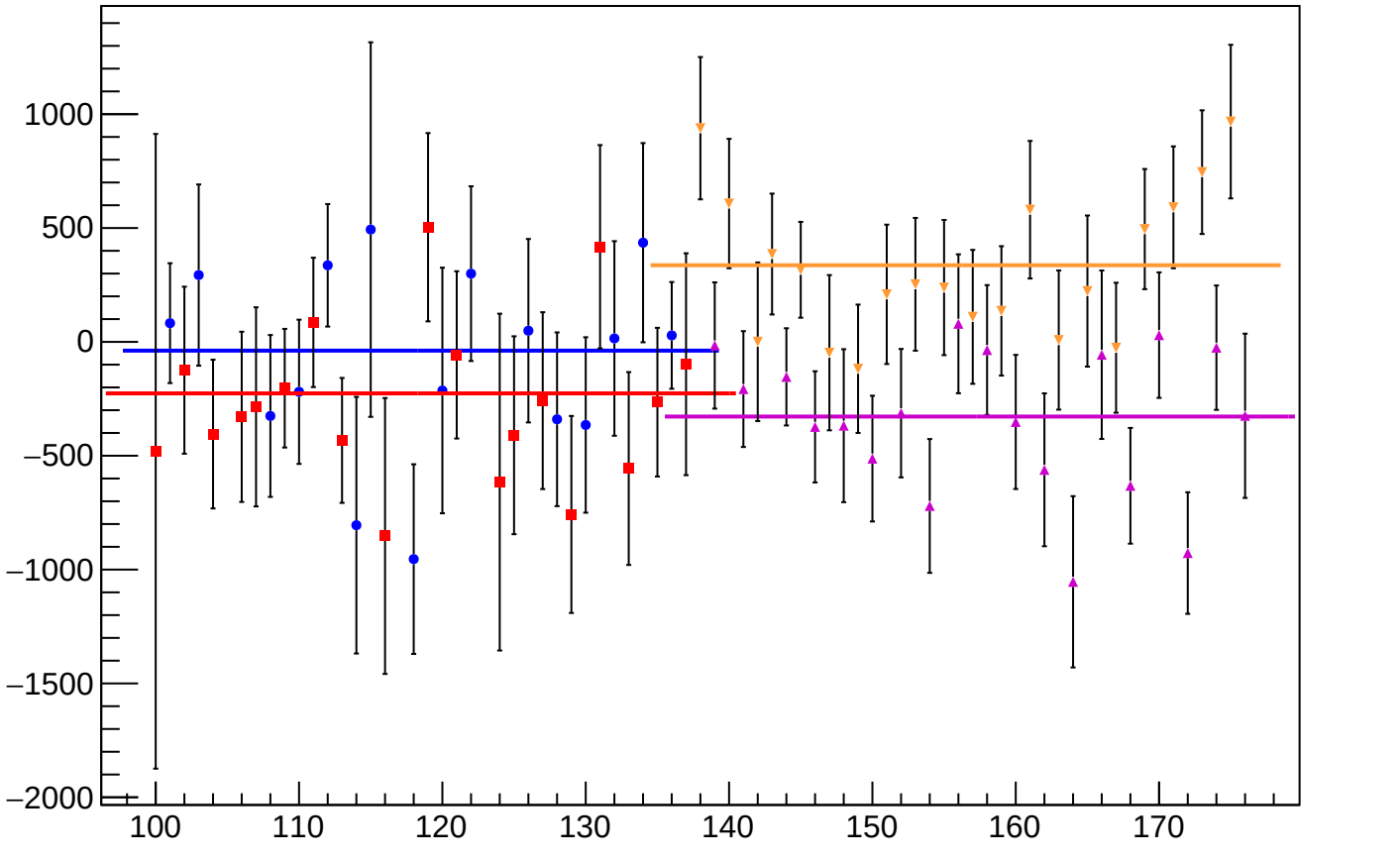
Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2036491.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 7099495.2/35

All: 0.000+/-0.000 χ^2/NDF: 14526495.0/73

- sign 0.000+/-0.000 χ^2/NDF: 7417759.9/37



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 336.567+/-64.509 χ^2/NDF:21.5/19

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

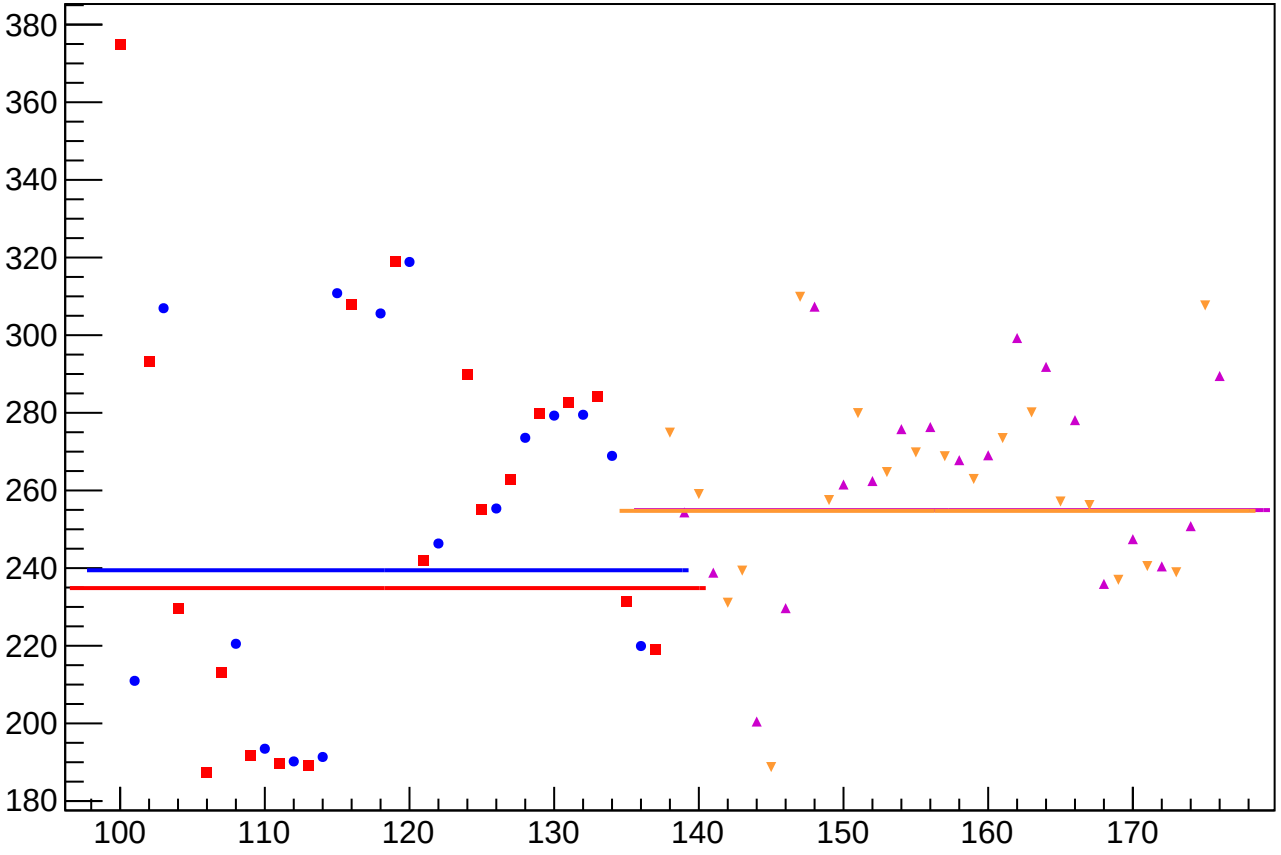
Left In: -327.933+/-65.242 χ^2/NDF:21.4/18

+ sign 210.423+/-52.553 χ^2/NDF: 47.3/35

All: -41.462+/-37.103 χ^2/NDF: 126.8/73

- sign -291.788+/-52.390 χ^2/NDF: 33.7/37

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 254.752+/-0.046 χ^2/NDF:393545.4/19

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

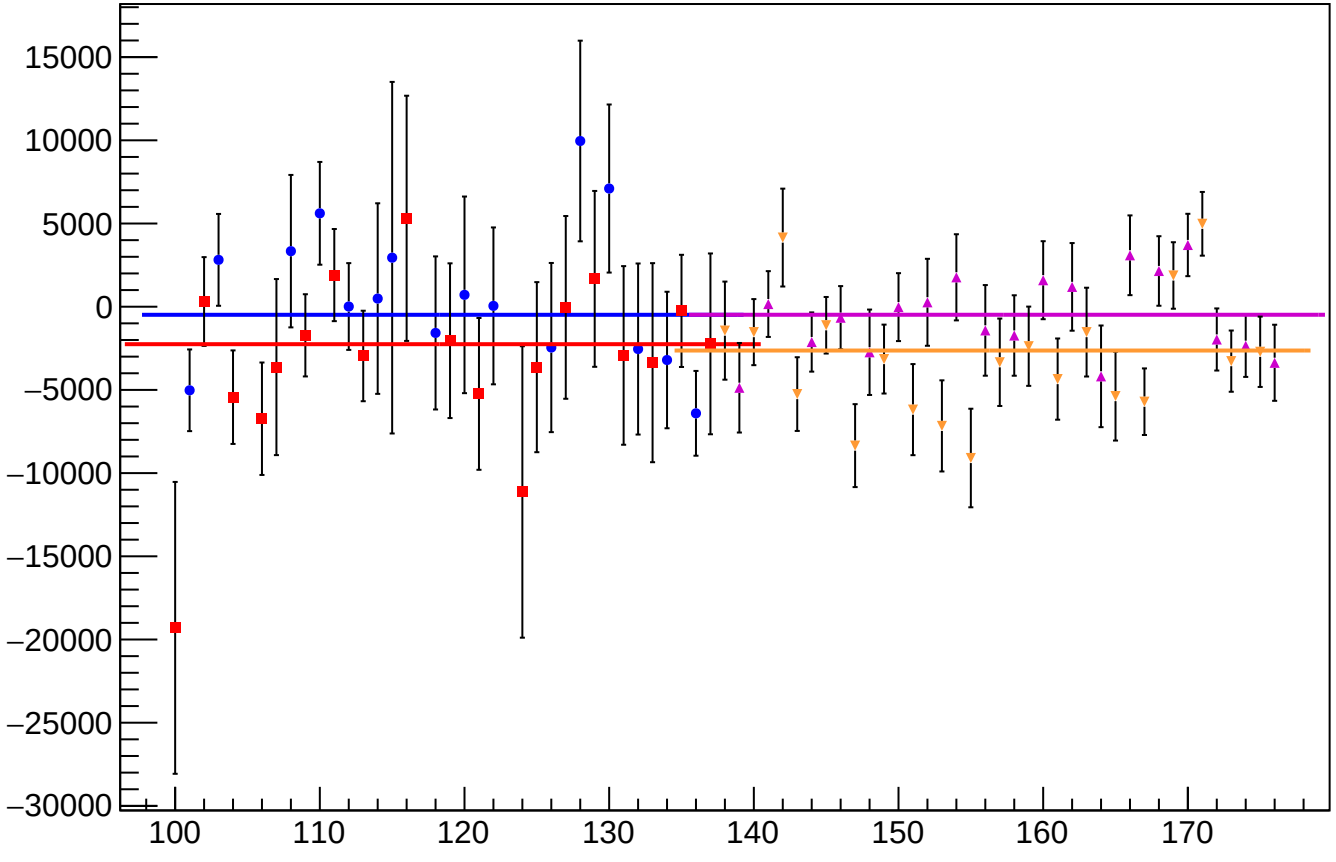
Left In: 254.945+/-0.046 χ^2/NDF:338702.4/18

+ sign 249.605+/-0.037 χ^2/NDF: 832354.8/35

All: 248.704+/-0.026 χ^2/NDF: 1721301.8/73

- sign 247.809+/-0.037 χ^2/NDF: 887775.4/37

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2633.135+/-508.230 χ^2/NDF:47.7/19

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

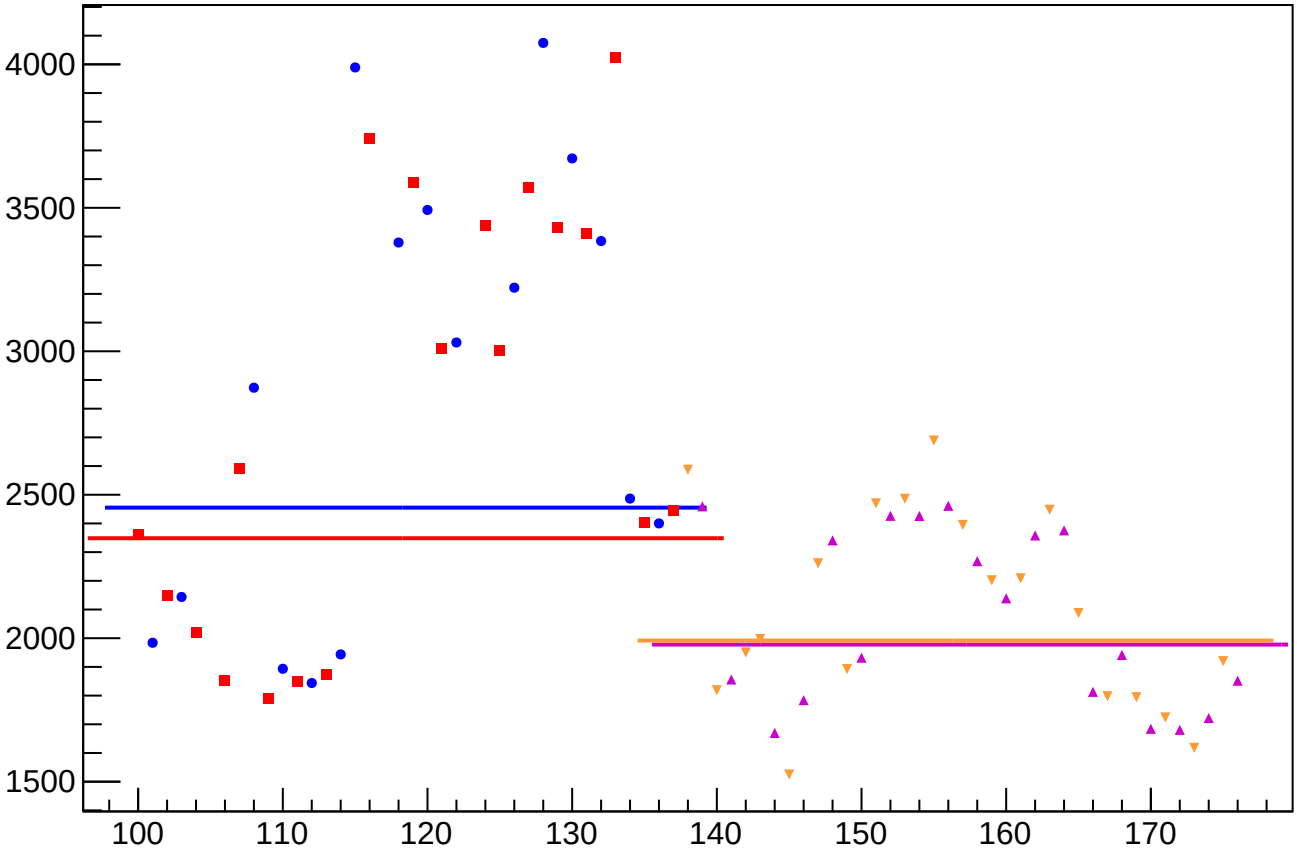
Left In: -483.915+/-508.636 χ^2/NDF:20.4/18

+ sign -2153.353+/-447.864 χ^2/NDF: 72.8/35

All: -1526.747+/-314.634 χ^2/NDF: 113.9/73

- sign -916.133+/-442.112 χ^2/NDF: 37.2/37

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1991.922+/-0.359 χ^2/NDF:814711.1/19

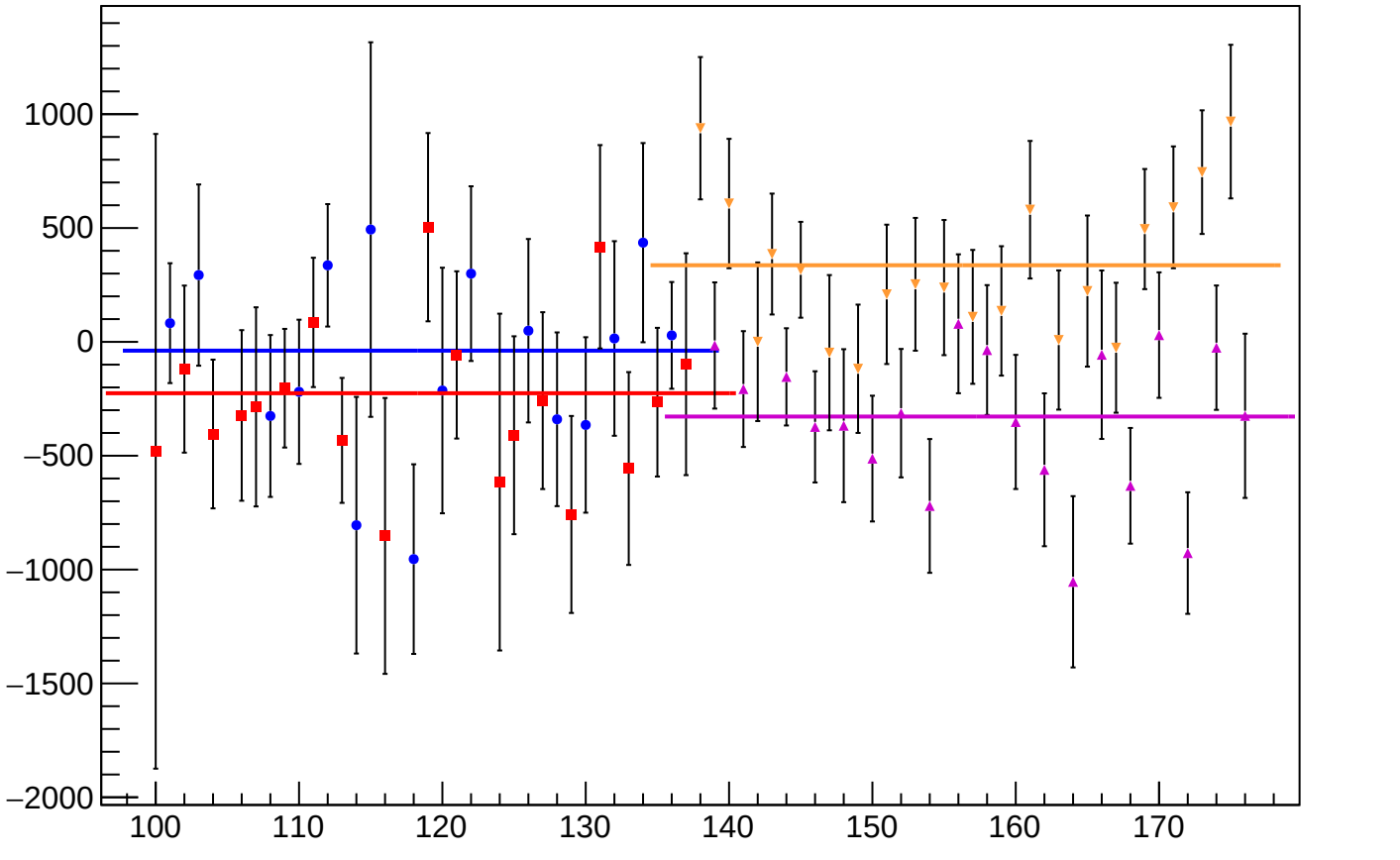
Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1977.865+/-0.360 χ^2/NDF:642654.4/18

+ sign 2095.418+/-0.317 χ^2/NDF: 2080278.5/35

All: 2081.765+/-0.222 χ^2/NDF: 4038565.5/73

- sign 2068.461+/-0.313 χ^2/NDF: 1954617.4/37



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 336.575+/-64.509 χ^2/NDF:21.5/19

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

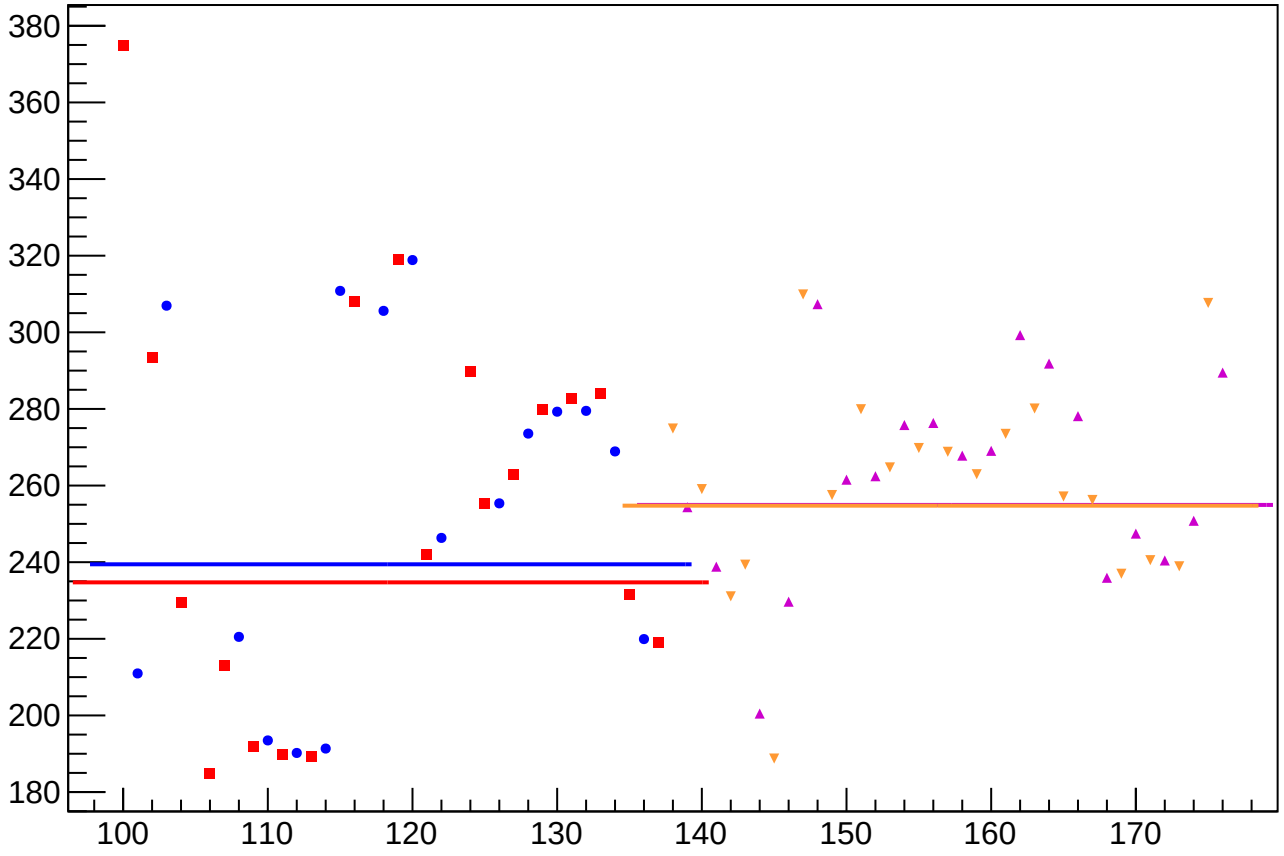
Left In: -327.936+/-65.242 χ^2/NDF:21.4/18

+ sign 210.421+/-52.553 χ^2/NDF: 47.3/35

All: -41.337+/-37.104 χ^2/NDF: 126.8/73

- sign -291.566+/-52.393 χ^2/NDF: 33.7/37

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.752+/-0.046 χ^2/NDF:393545.4/19

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

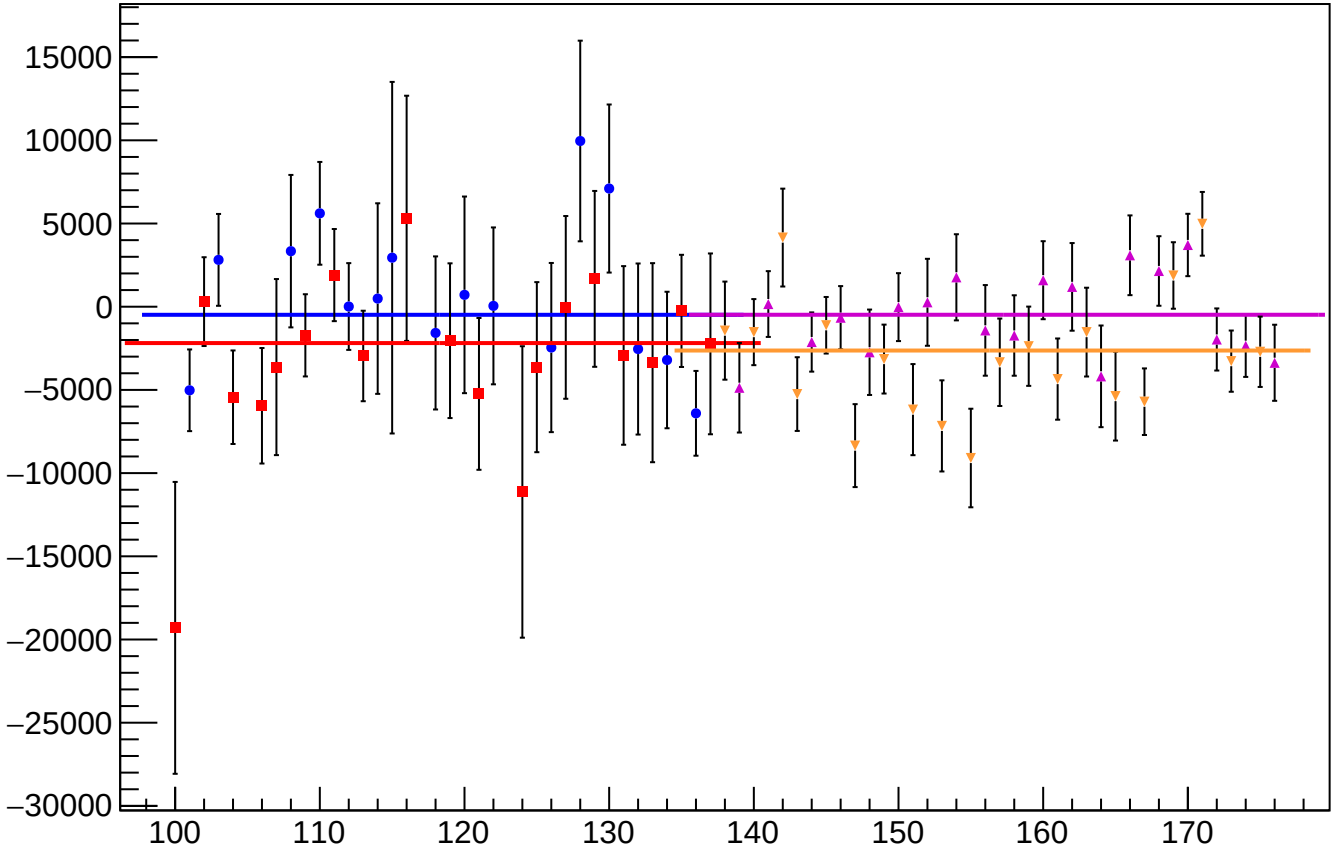
Left In: 254.945+/-0.046 χ^2/NDF:338702.4/18

+ sign 249.605+/-0.037 χ^2/NDF: 832356.9/35

All: 248.684+/-0.026 χ^2/NDF: 1725687.1/73

- sign 247.767+/-0.037 χ^2/NDF: 892103.5/37

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2633.128+/-508.230 χ^2/NDF:47.7/19

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

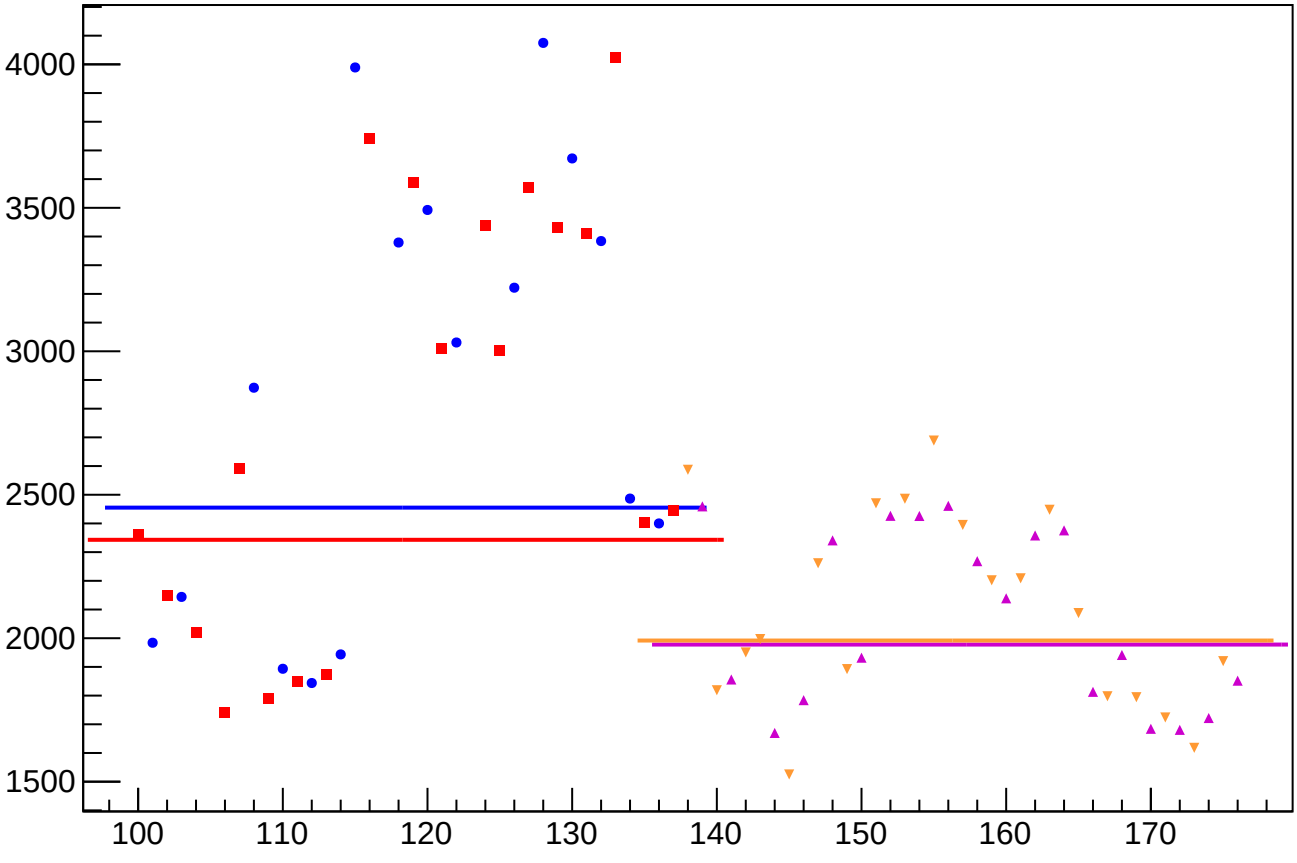
Left In: -483.928+/-508.636 χ^2/NDF:20.4/18

+ sign -2153.391+/-447.865 χ^2/NDF: 72.8/35

All: -1518.155+/-314.708 χ^2/NDF: 113.1/73

- sign -898.561+/-442.317 χ^2/NDF: 36.3/37

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1991.922+/-0.359 χ^2/NDF:814711.6/19

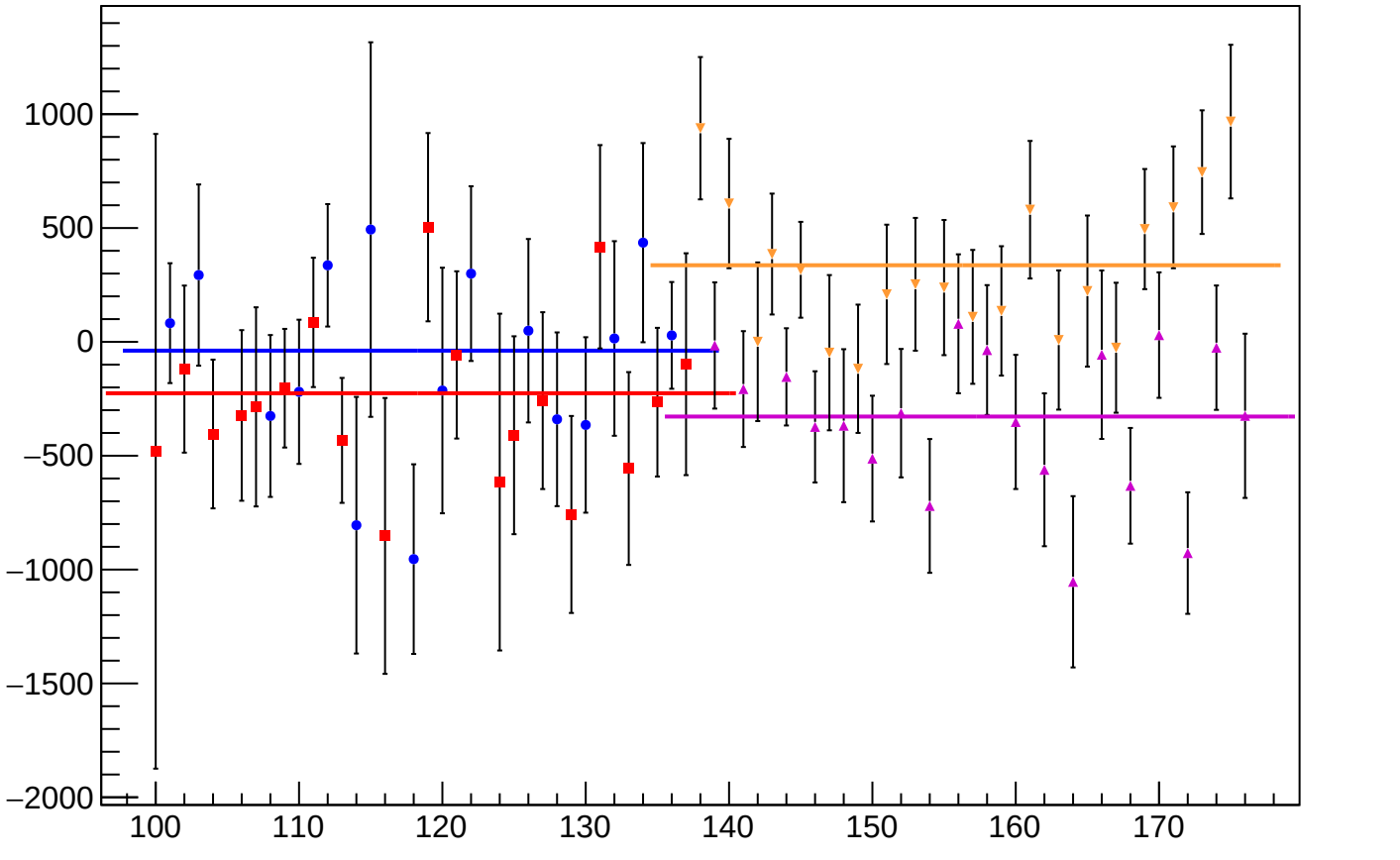
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1977.866+/-0.360 χ^2/NDF:642654.3/18

+ sign 2095.422+/-0.317 χ^2/NDF: 2080282.1/35

All: 2080.965+/-0.223 χ^2/NDF: 4048628.5/73

- sign 2066.864+/-0.313 χ^2/NDF: 1964230.0/37



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 336.575+/-64.509 χ^2/NDF:21.5/19

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

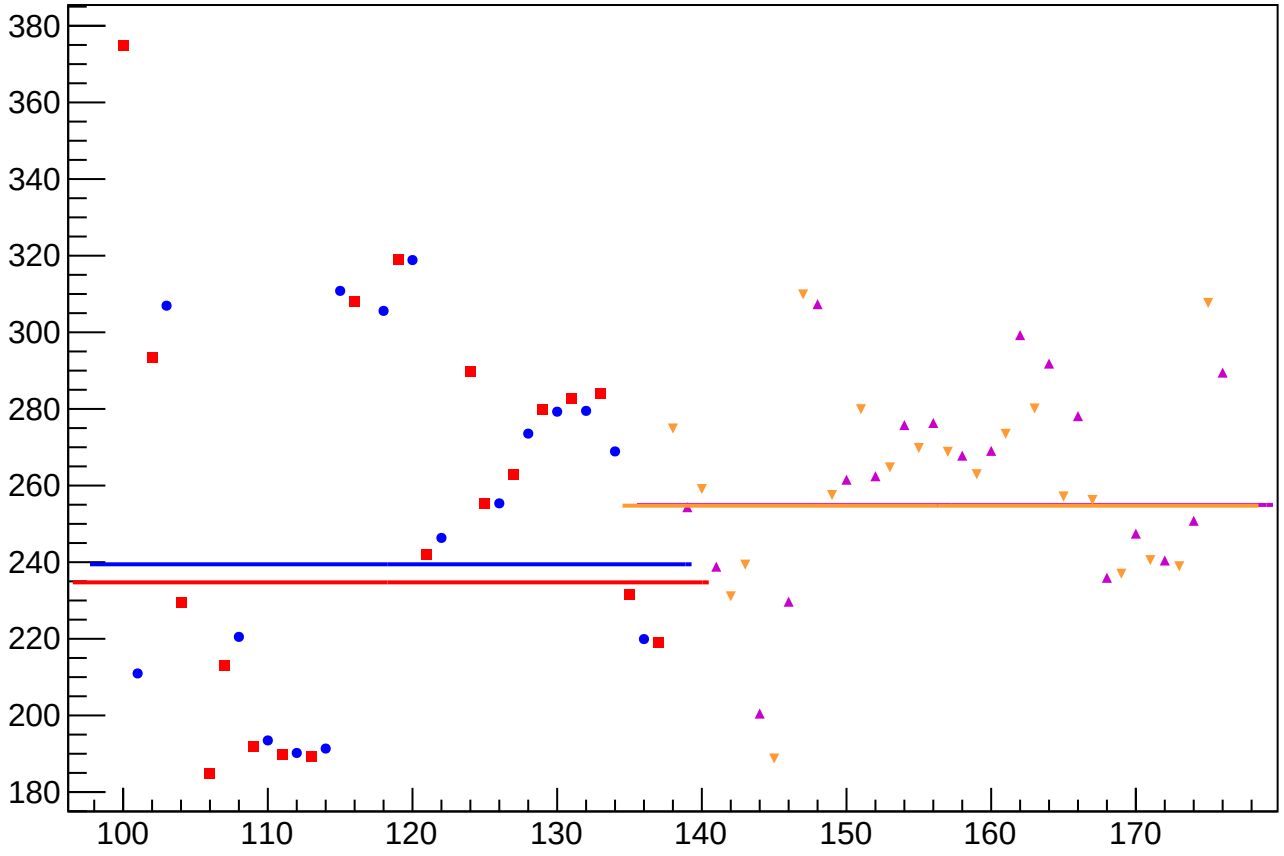
Left In: -327.936+/-65.242 χ^2/NDF:21.4/18

+ sign 210.421+/-52.553 χ^2/NDF: 47.3/35

All: -41.337+/-37.104 χ^2/NDF: 126.8/73

- sign -291.566+/-52.393 χ^2/NDF: 33.7/37

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.752+/-0.046 χ^2/NDF:393545.4/19

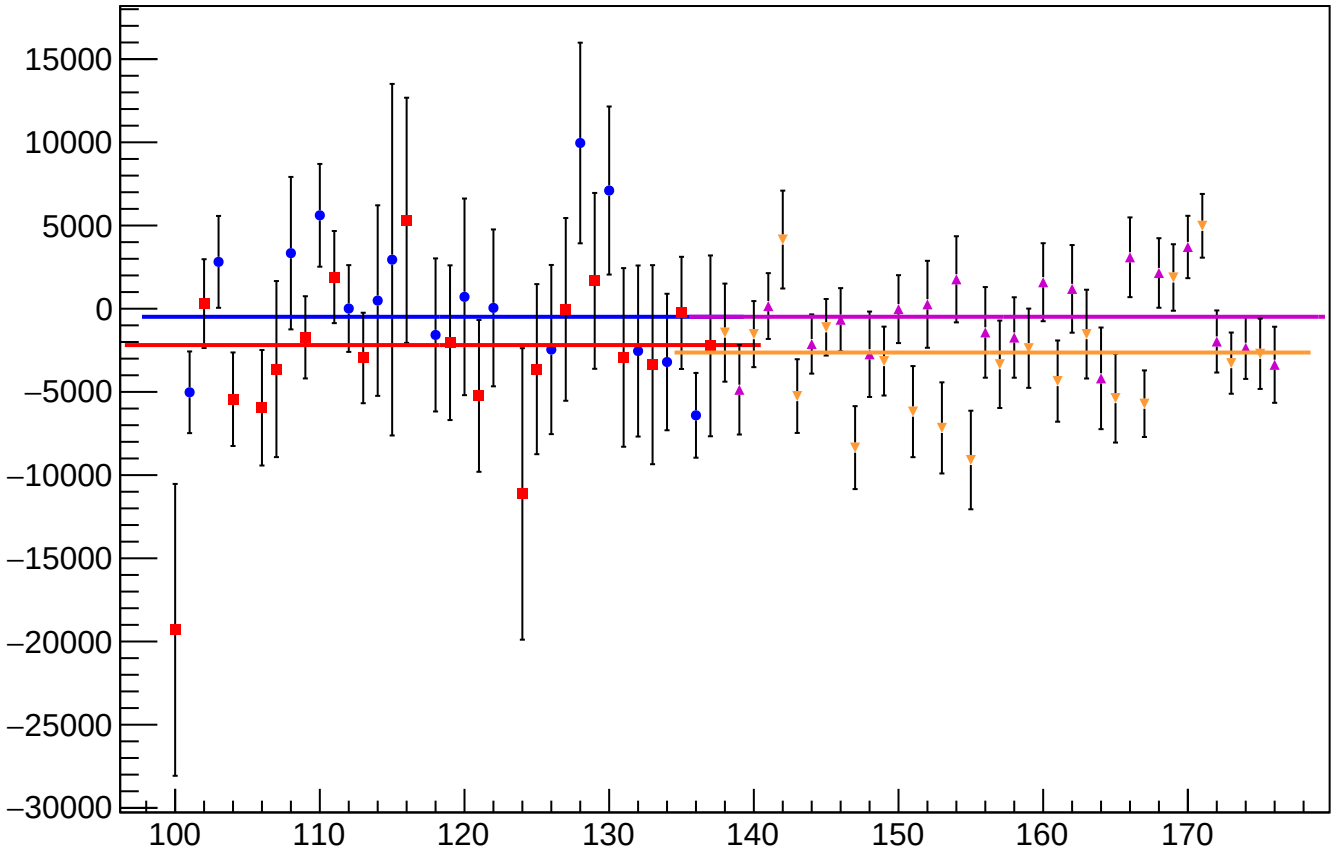
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.945+/-0.046 χ^2/NDF:338702.4/18

+ sign 249.605+/-0.037 χ^2/NDF: 832356.9/35

All: 248.684+/-0.026 χ^2/NDF: 1725687.1/73

- sign 247.767+/-0.037 χ^2/NDF: 892103.5/37



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2633.128+/-508.230 χ^2/NDF:47.7/19

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

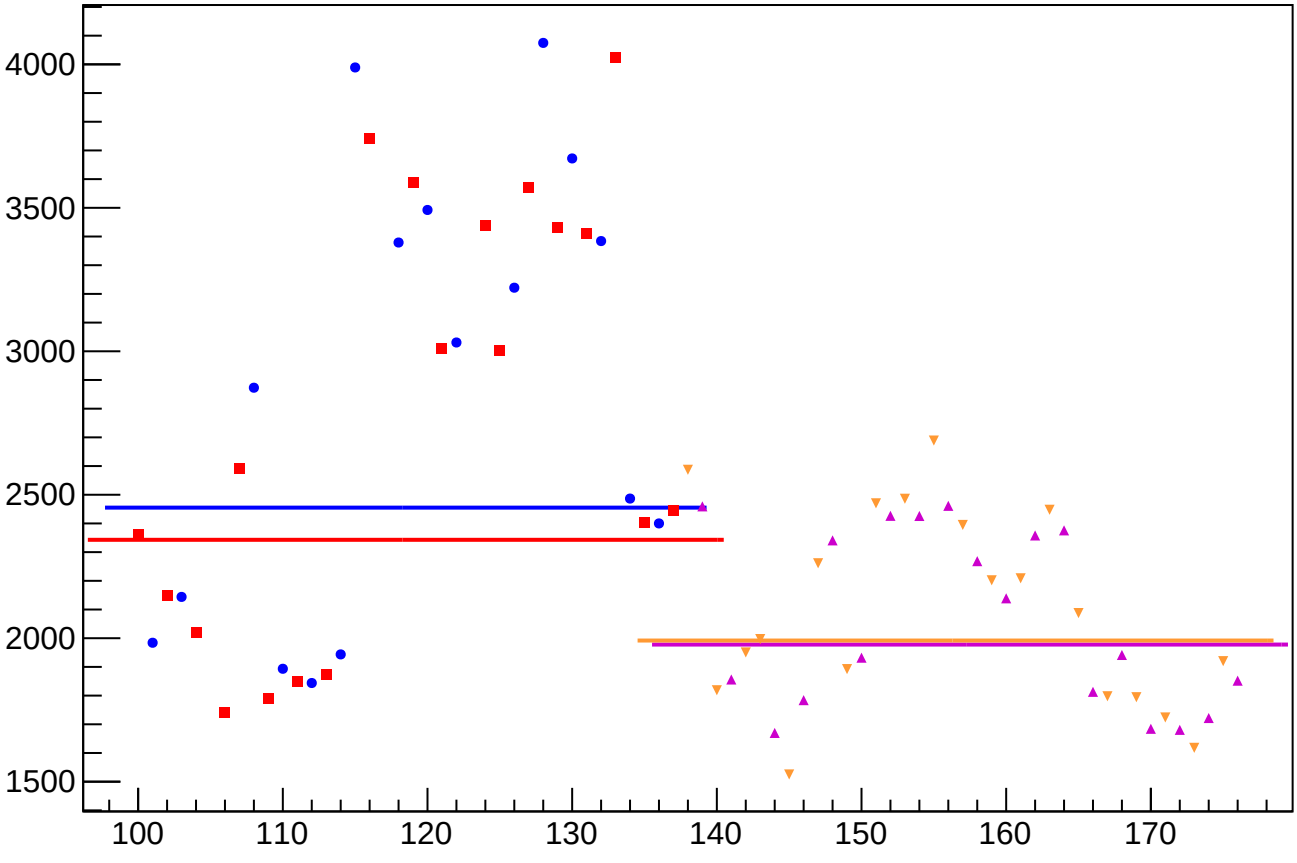
Left In: -483.928+/-508.636 χ^2/NDF:20.4/18

+ sign -2153.391+/-447.865 χ^2/NDF: 72.8/35

All: -1518.155+/-314.708 χ^2/NDF: 113.1/73

- sign -898.561+/-442.317 χ^2/NDF: 36.3/37

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1991.922+/-0.359 χ^2/NDF:814711.6/19

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

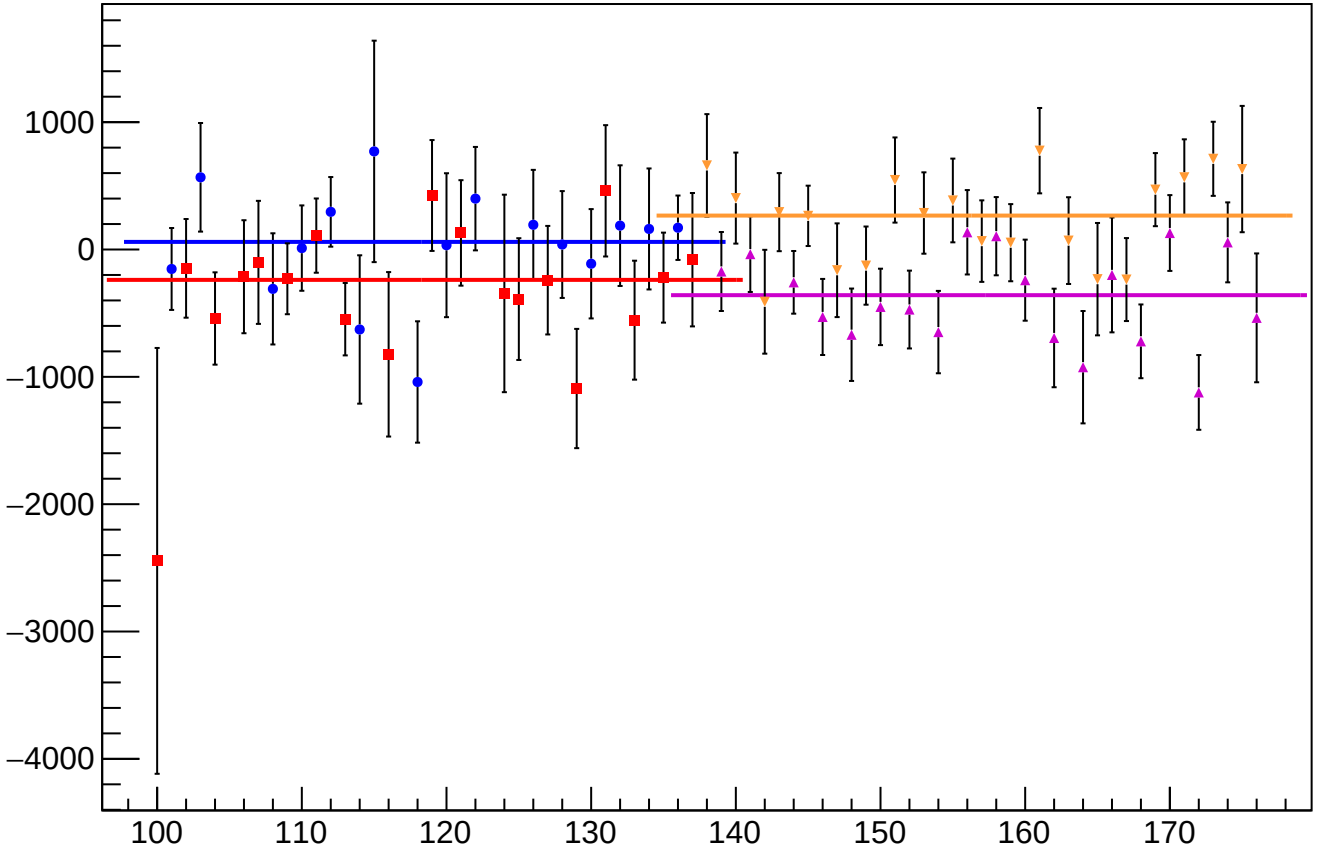
Left In: 1977.866+/-0.360 χ^2/NDF:642654.3/18

+ sign 2095.422+/-0.317 χ^2/NDF: 2080282.1/35

All: 2080.965+/-0.223 χ^2/NDF: 4048628.5/73

- sign 2066.864+/-0.313 χ^2/NDF: 1964230.0/37

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 266.444+/-73.238 χ^2/NDF:19.3/19

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

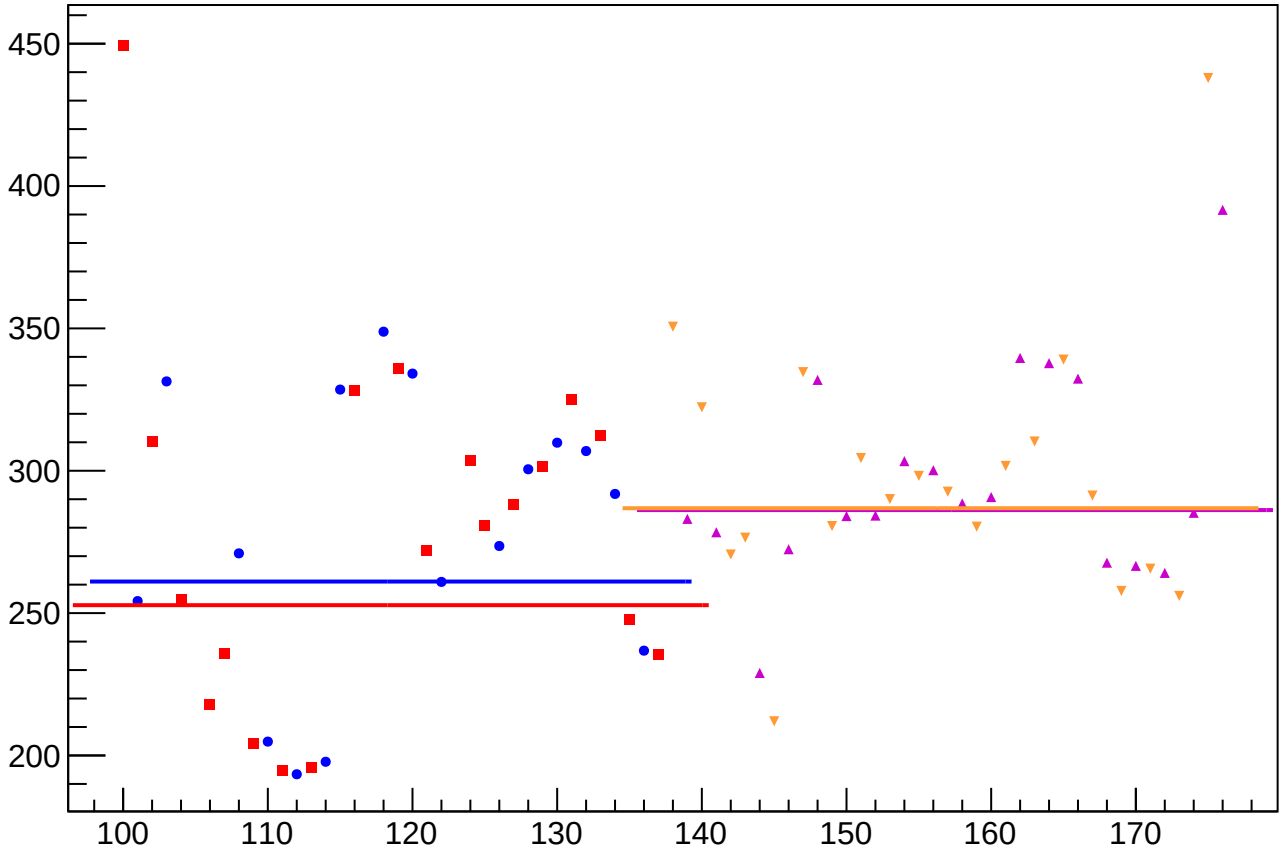
Left In: -358.623+/-73.807 χ^2/NDF:23.8/18

+ sign 193.547+/-58.926 χ^2/NDF: 34.1/35

All: -62.669+/-41.443 χ^2/NDF: 111.3/73

- sign -313.452+/-58.298 χ^2/NDF: 39.8/37

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 286.842+/-0.052 χ^2/NDF:599412.1/19

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

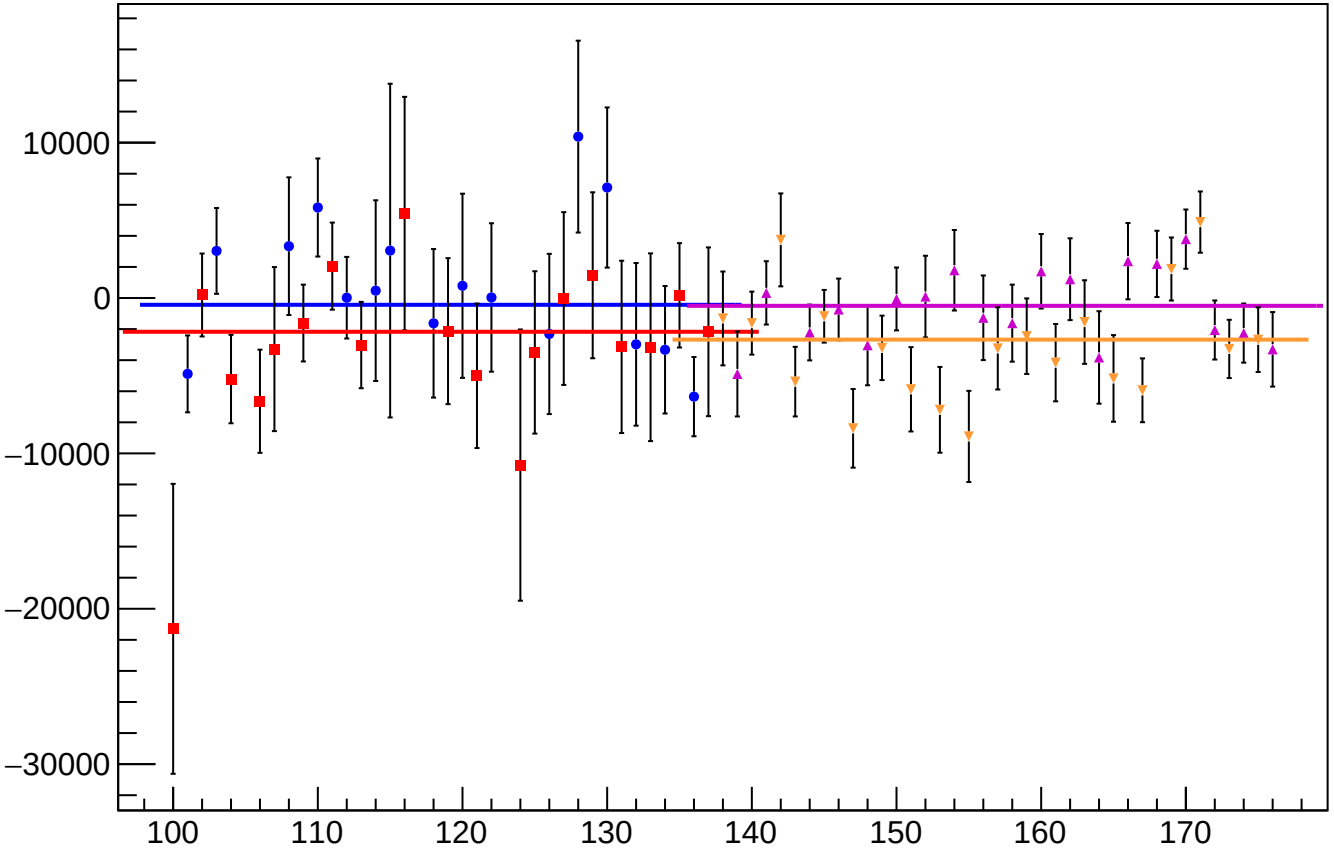
Left In: 286.191+/-0.052 χ^2/NDF:357014.4/18

+ sign 277.760+/-0.042 χ^2/NDF: 1149282.6/35

All: 275.672+/-0.029 χ^2/NDF: 2202631.0/73

- sign 273.628+/-0.041 χ^2/NDF: 1048377.4/37

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2677.356+/-514.495 χ^2/NDF:44.8/19

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

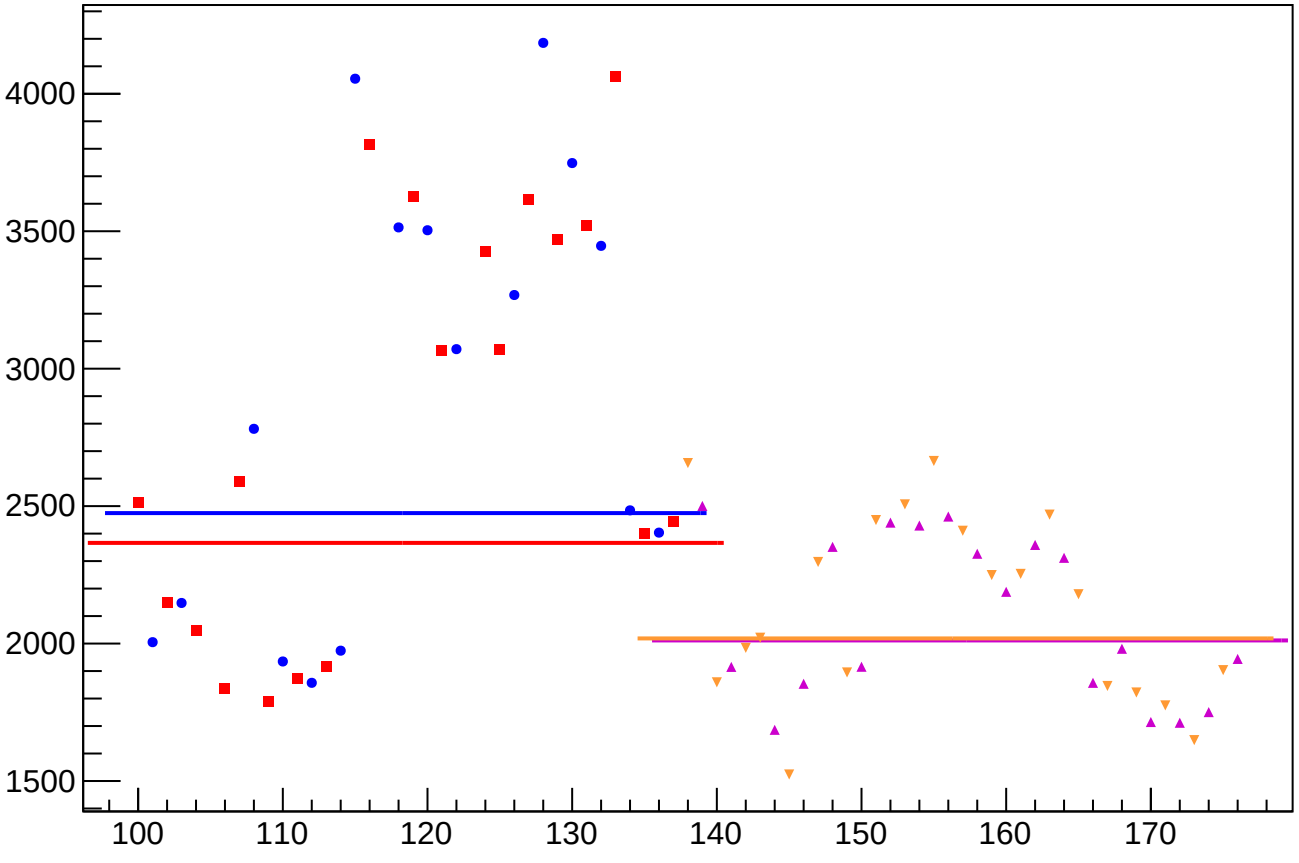
Left In: -502.348+/-516.880 χ^2/NDF:19.2/18

\+ sign -2173.438+/-452.960 χ^2/NDF: 70.3/35

All: -1538.158+/-318.651 χ^2/NDF: 110.0/73

\- sign -915.726+/-448.356 χ^2/NDF: 35.8/37

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2018.687+/-0.364 χ^2/NDF:803304.2/19

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

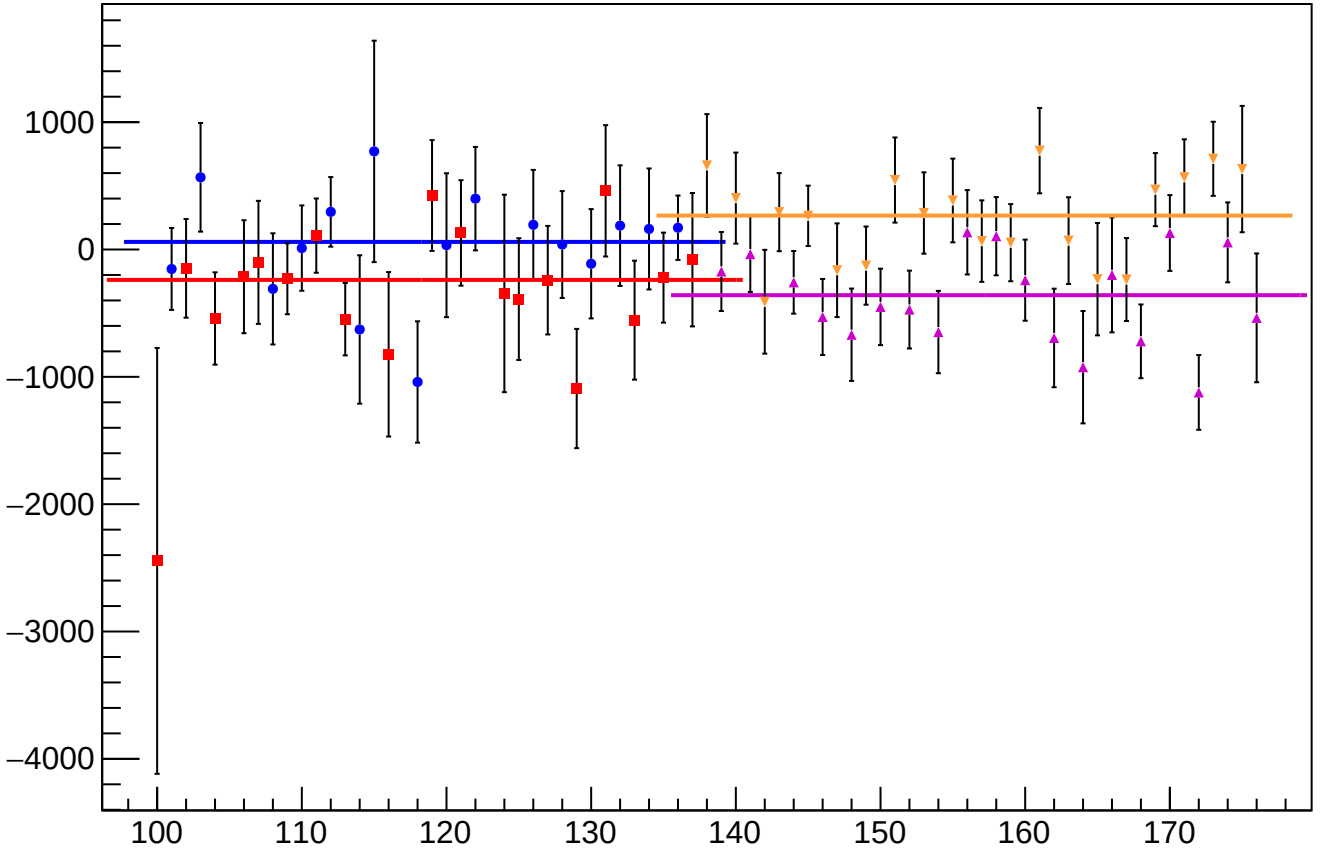
Left In: 2011.388+/-0.365 χ^2/NDF:590000.0/18

+ sign 2121.227+/-0.320 χ^2/NDF: 2072790.9/35

All: 2110.118+/-0.225 χ^2/NDF: 3975691.3/73

- sign 2099.234+/-0.317 χ^2/NDF: 1900518.9/37

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 266.449+/-73.238 χ^2/NDF:19.3/19

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

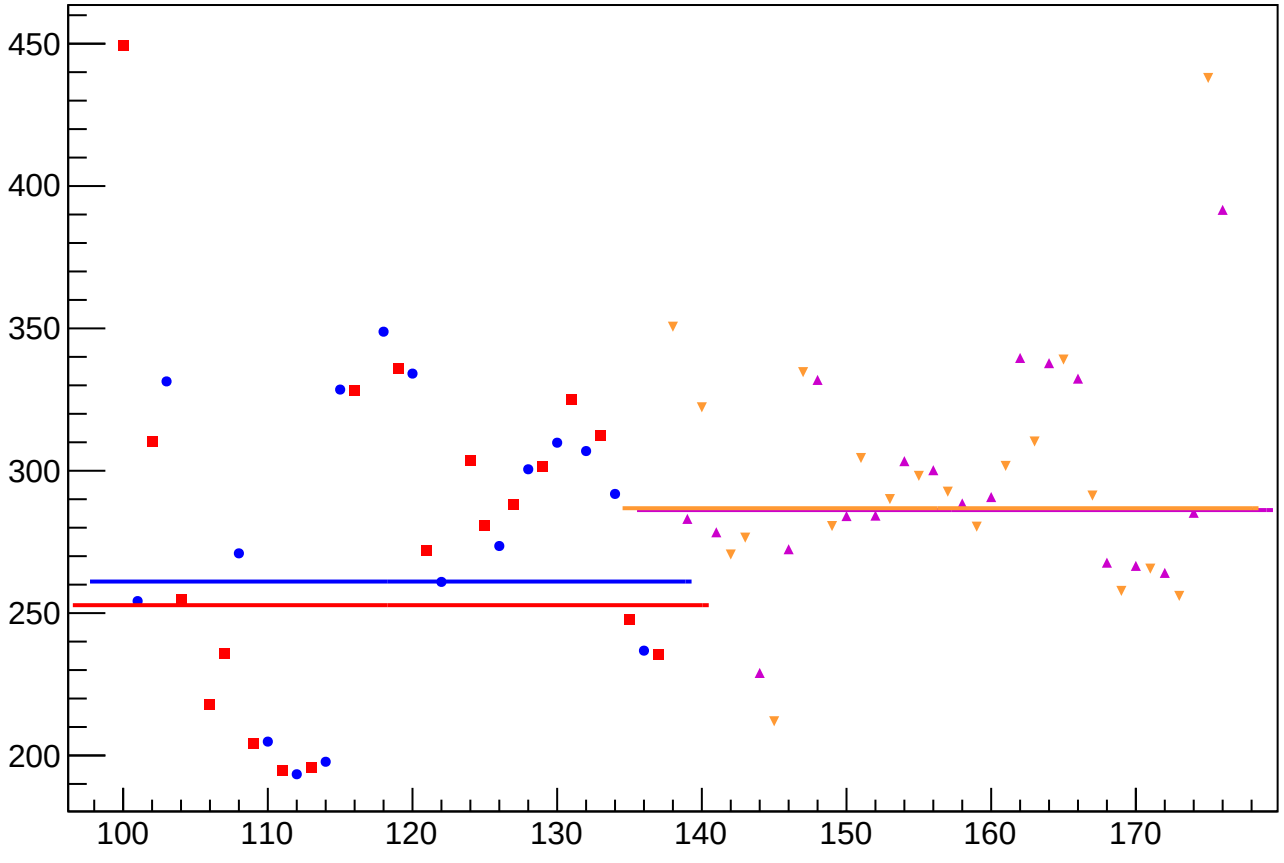
Left In: -358.624+/-73.807 χ^2/NDF:23.8/18

+ sign 193.552+/-58.926 χ^2/NDF: 34.1/35

All: -62.666+/-41.443 χ^2/NDF: 111.3/73

- sign -313.452+/-58.298 χ^2/NDF: 39.8/37

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 286.843+/-0.052 χ^2/NDF:599409.4/19

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

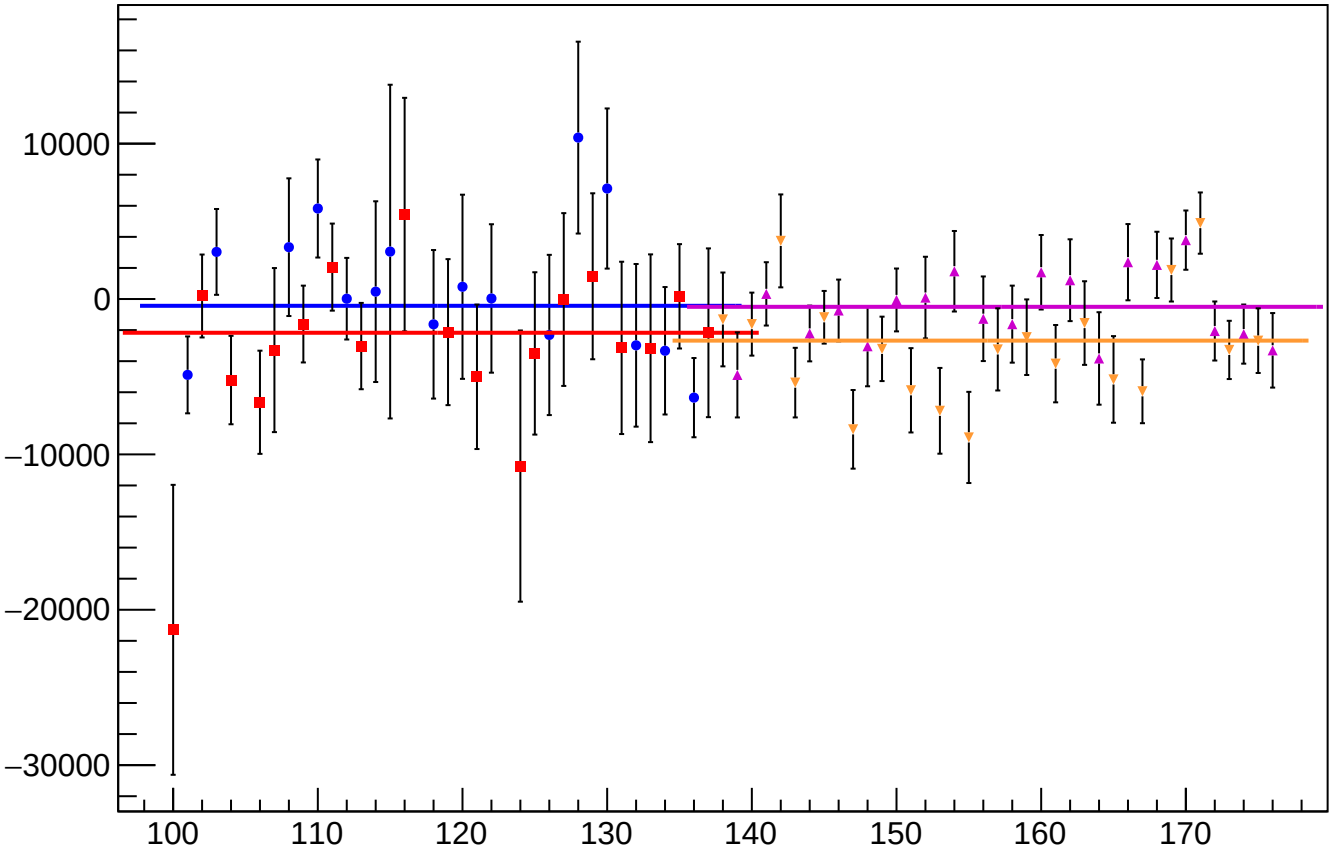
Left In: 286.191+/-0.052 χ^2/NDF:357009.3/18

+ sign 277.761+/-0.042 χ^2/NDF: 1149285.2/35

All: 275.672+/-0.029 χ^2/NDF: 2202634.6/73

- sign 273.628+/-0.041 χ^2/NDF: 1048378.2/37

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2677.351+/-514.494 χ^2/NDF:44.8/19

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

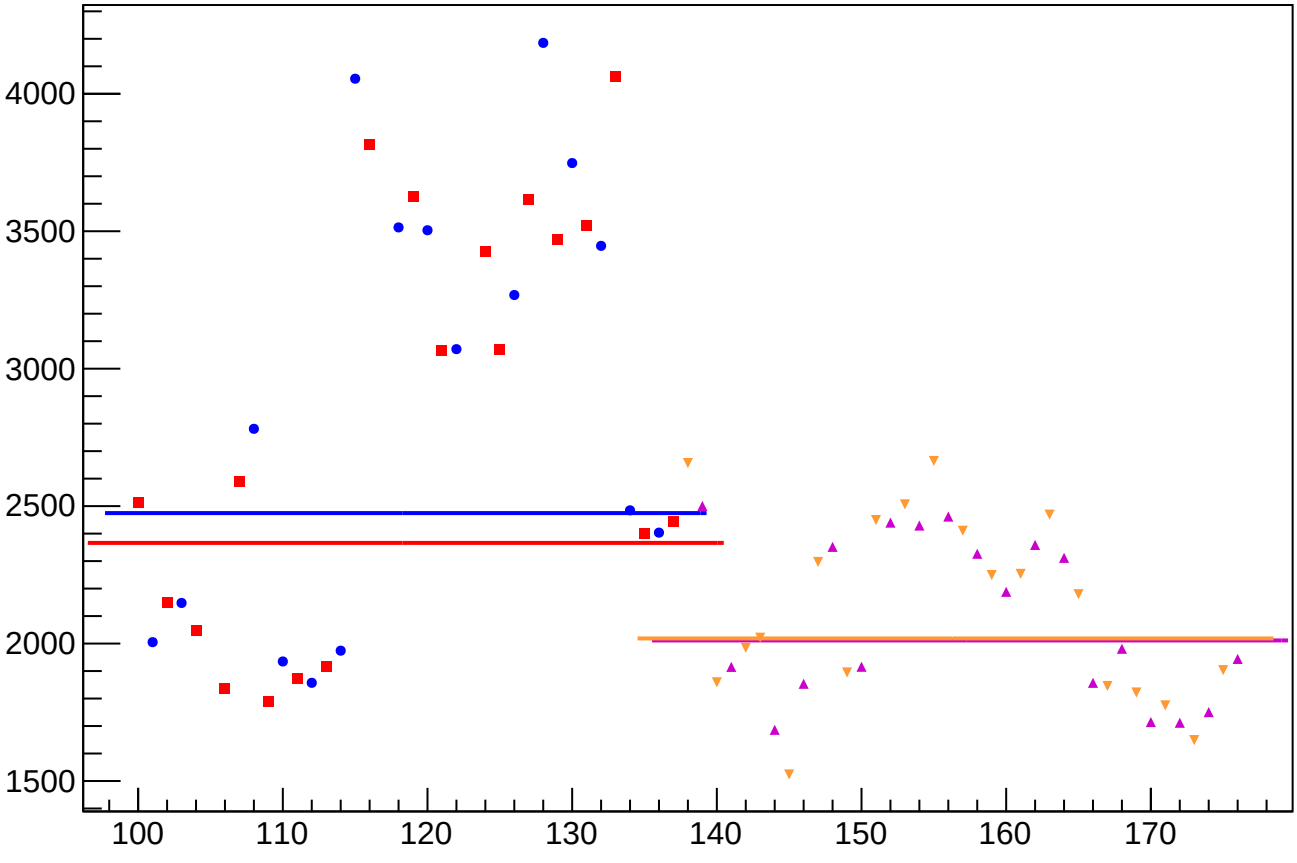
Left In: -502.345+/-516.879 χ^2/NDF:19.2/18

\+ sign -2173.434+/-452.959 χ^2/NDF: 70.3/35

All: -1538.155+/-318.650 χ^2/NDF: 110.0/73

\- sign -915.723+/-448.355 χ^2/NDF: 35.8/37

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2018.684+/-0.364 χ^2/NDF:803308.4/19

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

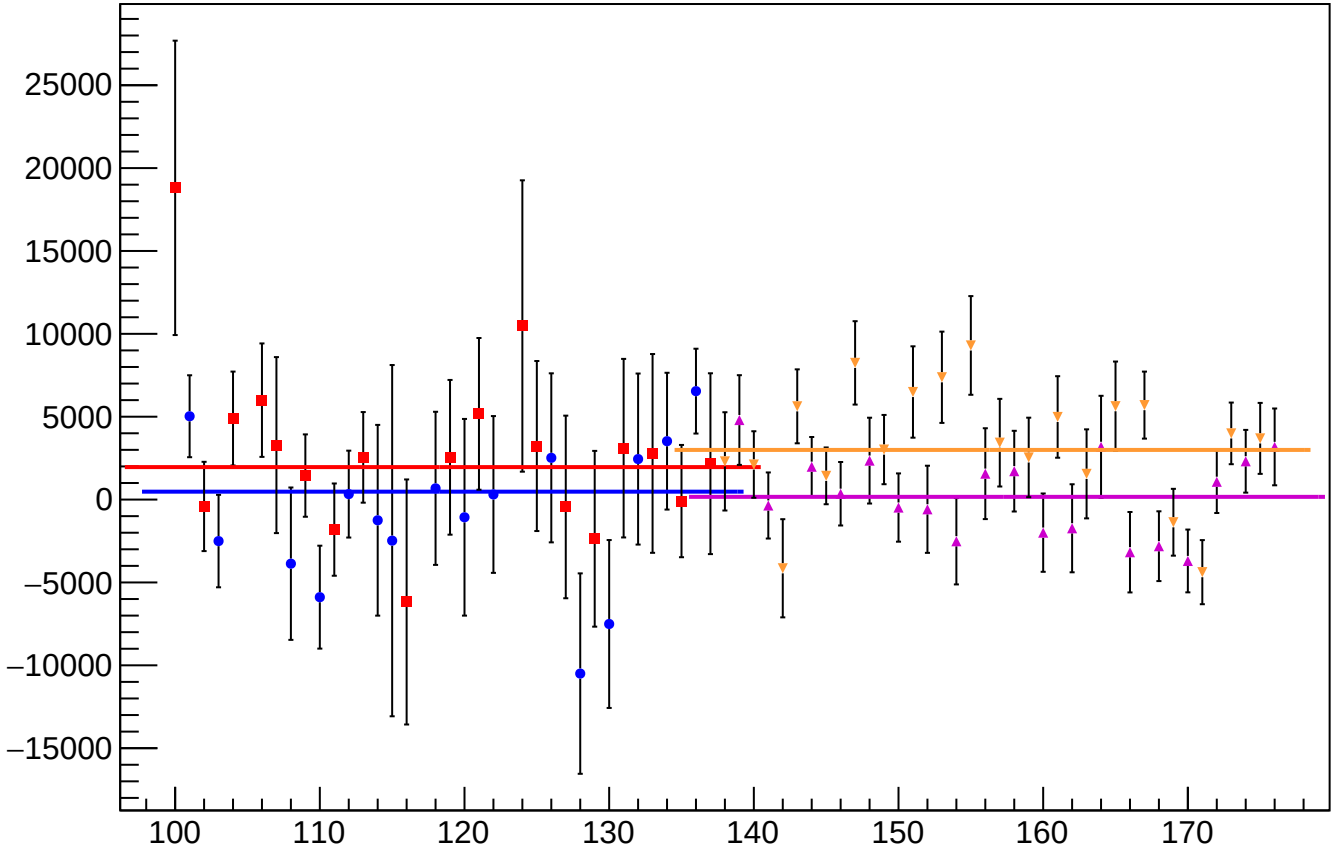
Left In: 2011.386+/-0.365 χ^2/NDF:590001.0/18

+ sign 2121.225+/-0.320 χ^2/NDF: 2072800.4/35

All: 2110.116+/-0.225 χ^2/NDF: 3975705.8/73

- sign 2099.232+/-0.317 χ^2/NDF: 1900523.9/37

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2995.794+/-512.631 χ^2/NDF:44.6/19

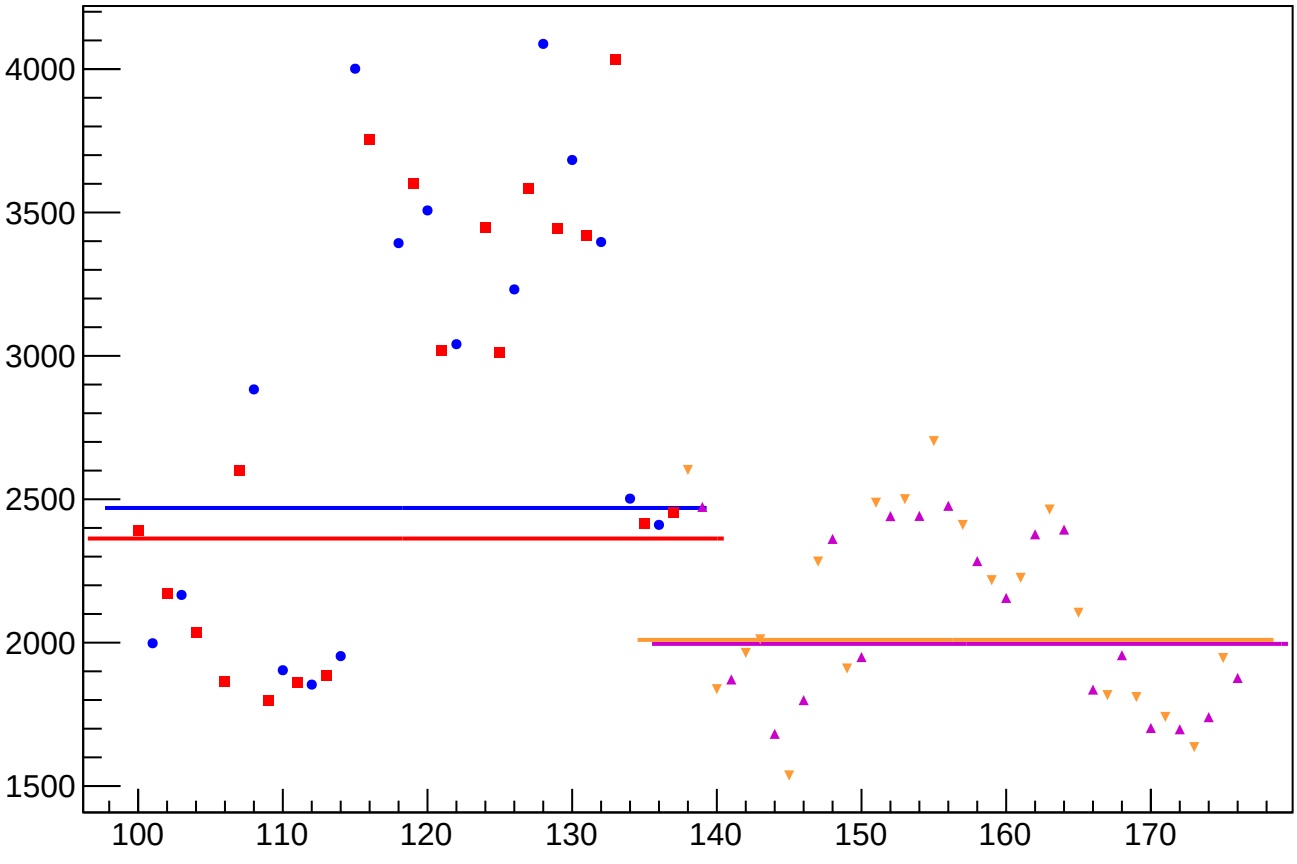
Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: 164.550+/-513.113 χ^2/NDF:20.2/18

+ sign 2430.373+/-451.434 χ^2/NDF: 72.2/35

All: 1506.104+/-317.173 χ^2/NDF: 116.5/73

- sign 605.083+/-445.720 χ^2/NDF: 36.1/37



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2009.685+/-0.362 χ^2/NDF:802811.5/19

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

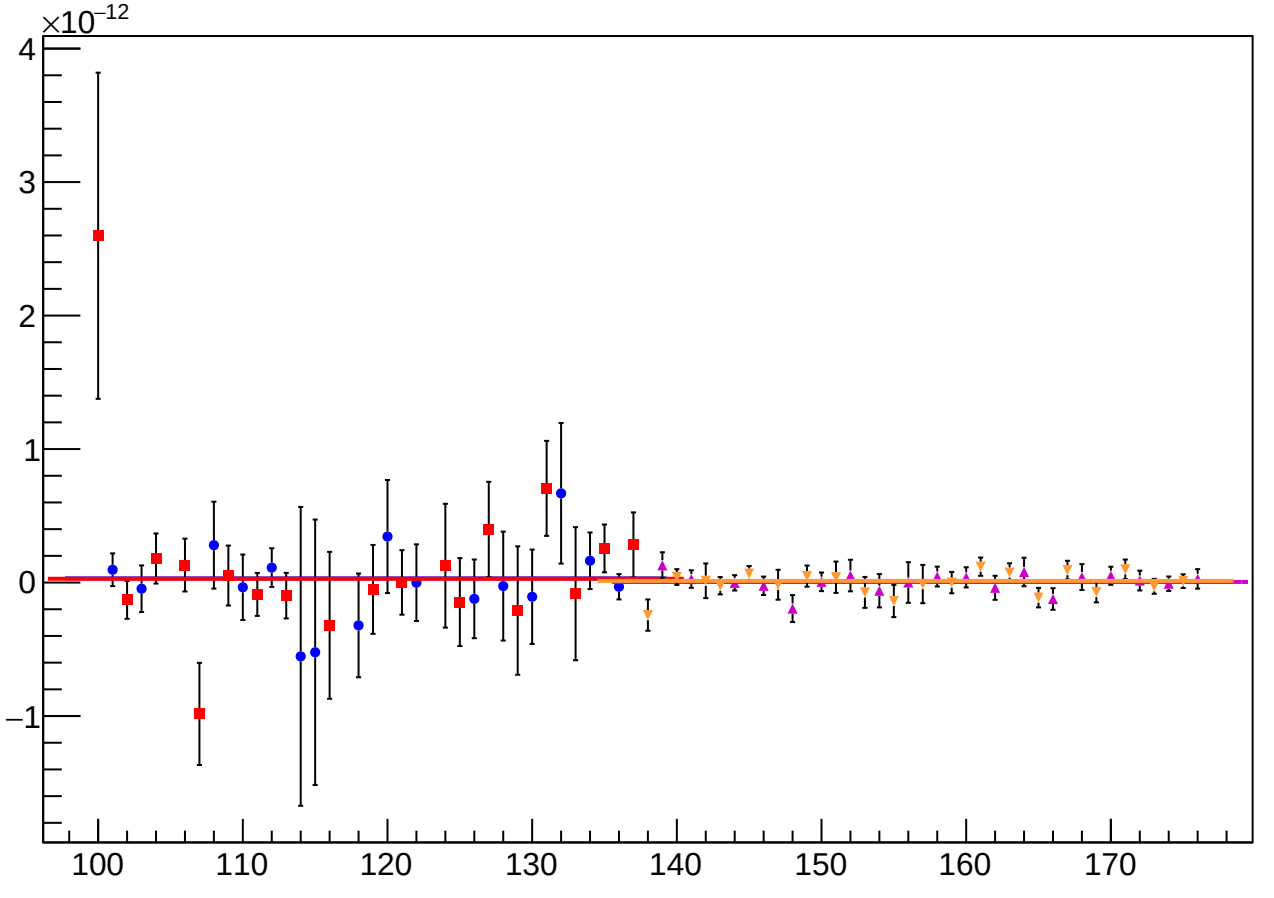
Left In: 1995.698+/-0.363 χ^2/NDF:632140.8/18

+ sign 2112.947+/-0.319 χ^2/NDF: 2050464.5/35

All: 2099.230+/-0.224 χ^2/NDF: 3981192.3/73

- sign 2085.858+/-0.315 χ^2/NDF: 1927080.9/37

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:19.3/19

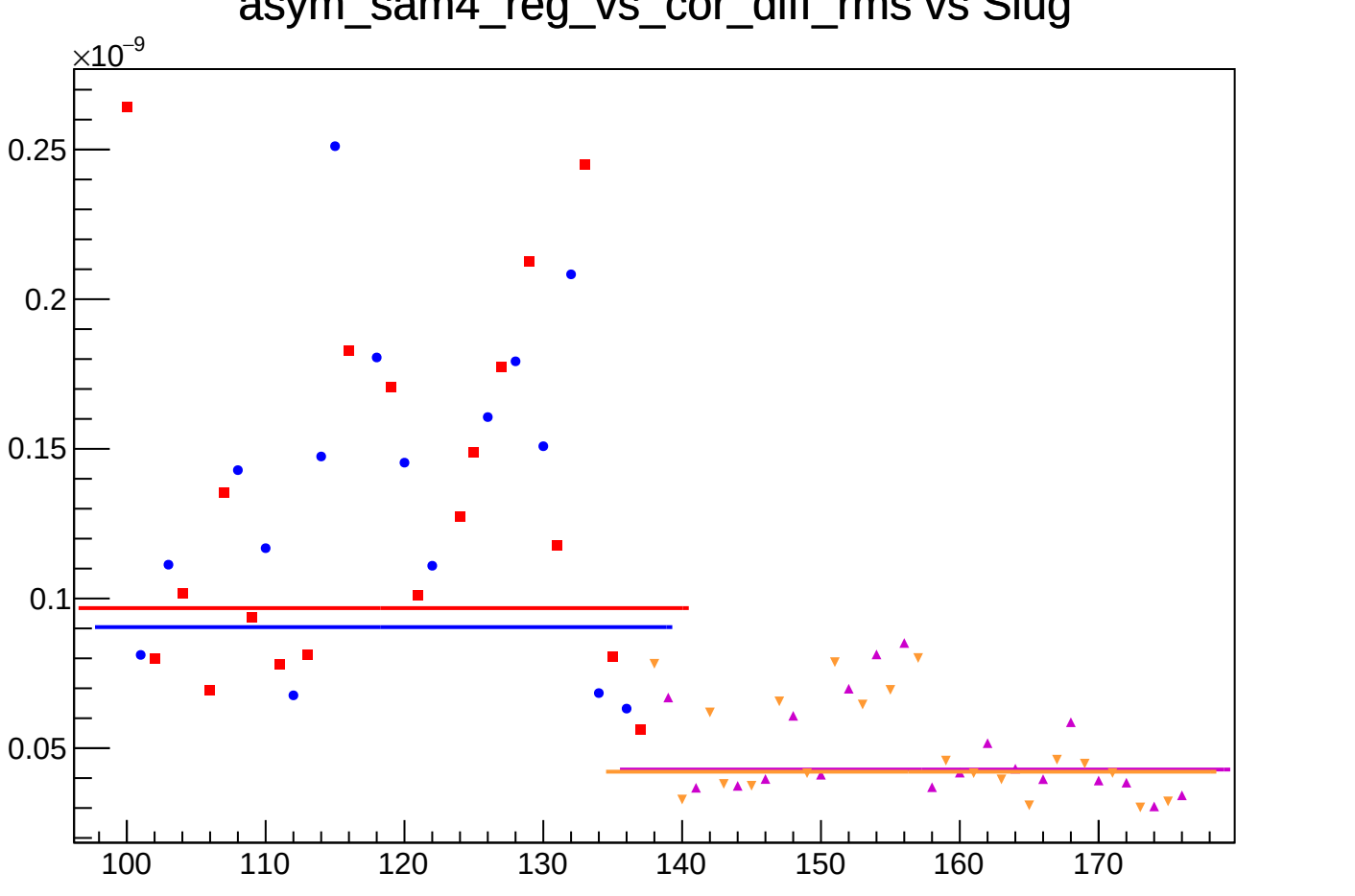
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/35

All: 0.000+/-0.000 χ^2/NDF: 59.7/73

- sign 0.000+/-0.000 χ^2/NDF: 34.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136717.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

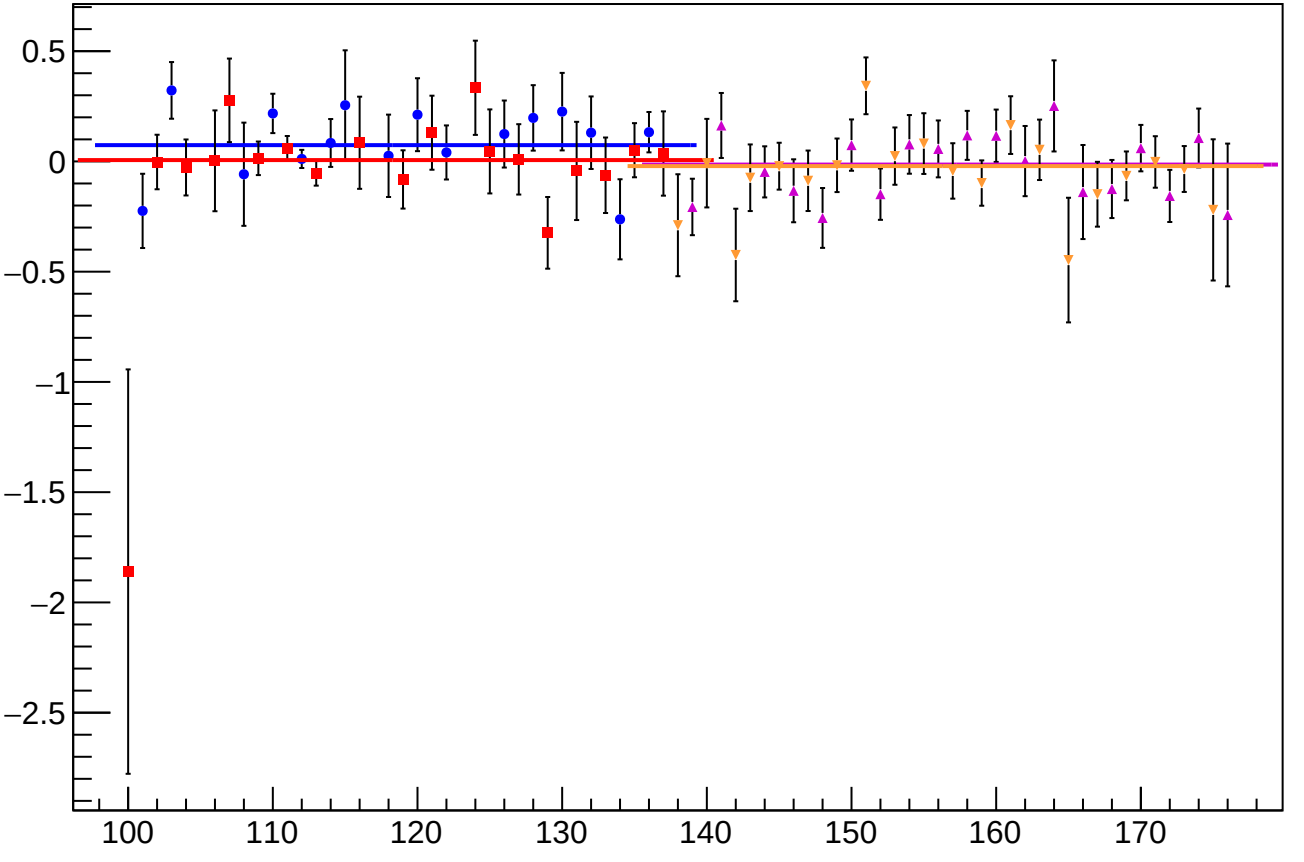
Left In: 0.000+/-0.000 χ^2/NDF:906397.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 3593278.9/35

All: 0.000+/-0.000 χ^2/NDF: 7042078.7/73

- sign 0.000+/-0.000 χ^2/NDF: 3443363.9/37

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

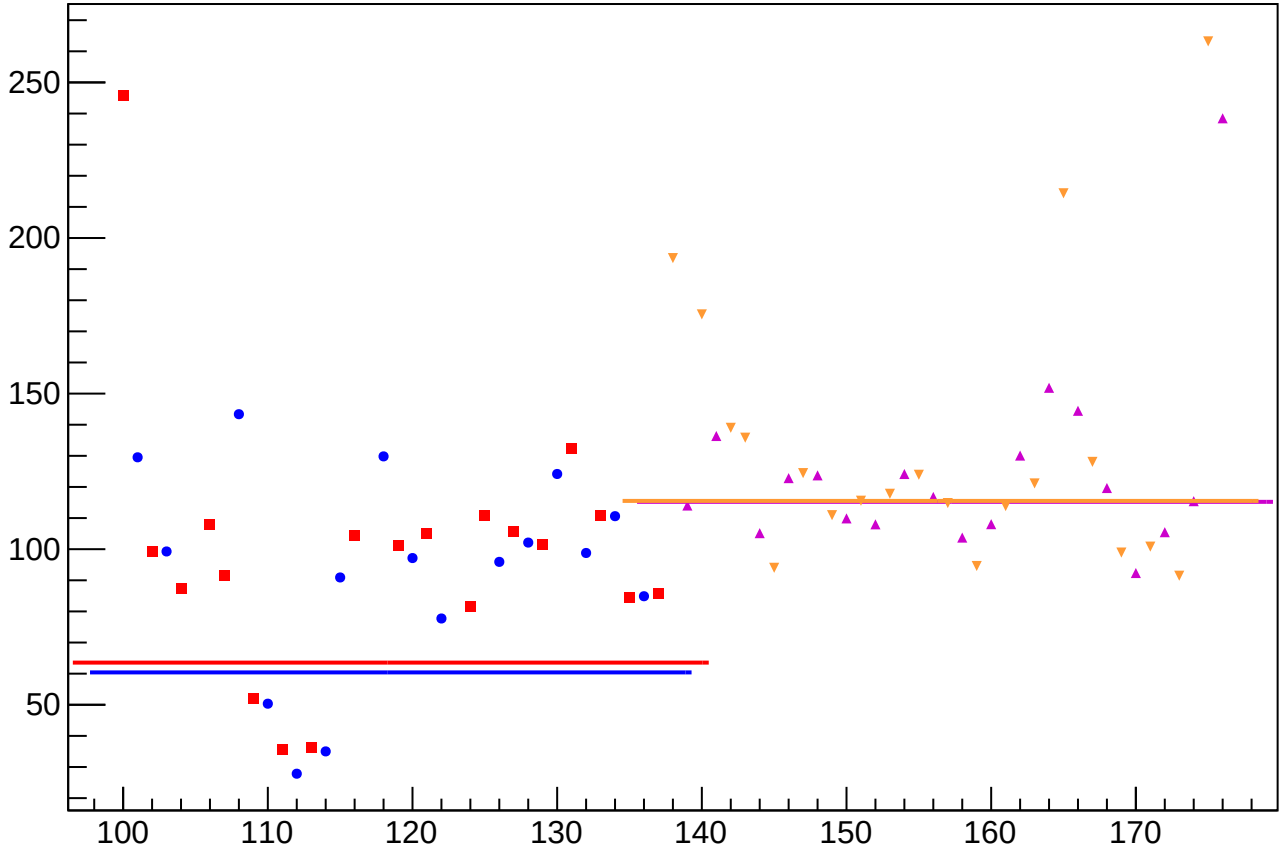
Left In: -0.014+/-0.031 χ^2/NDF:18.9/18

+ sign 0.032+/-0.020 χ^2/NDF: 45.0/35

All: 0.015+/-0.014 χ^2/NDF: 82.1/73

- sign -0.003+/-0.020 χ^2/NDF: 35.6/37

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 115.515+/-0.022 χ^2/NDF:1522851.3/19

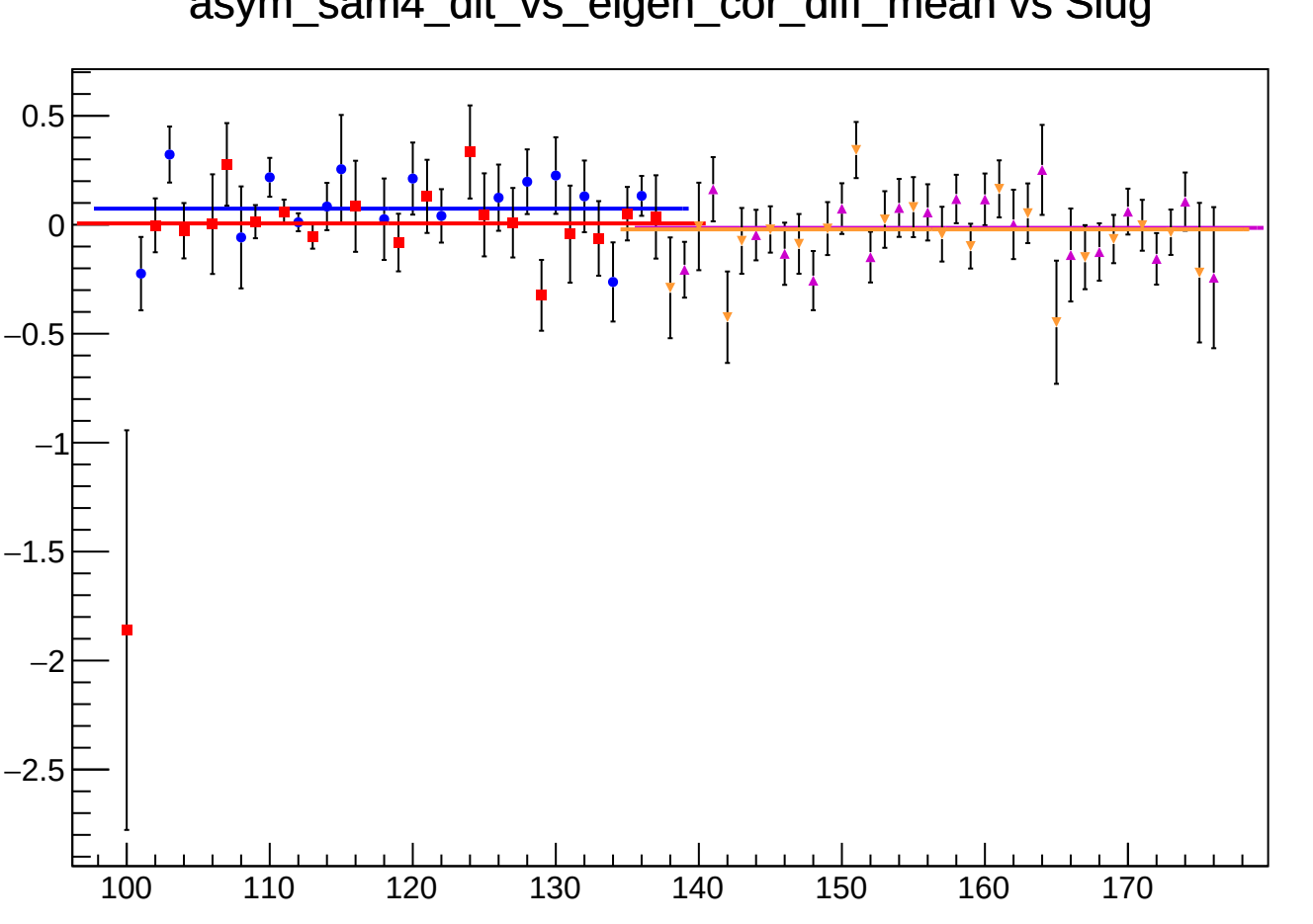
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 115.215+/-0.022 χ^2/NDF:638226.8/18

+ sign 84.656+/-0.014 χ^2/NDF: 8725164.7/35

All: 85.350+/-0.010 χ^2/NDF: 15250227.7/73

- sign 86.040+/-0.014 χ^2/NDF: 6520360.8/37



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

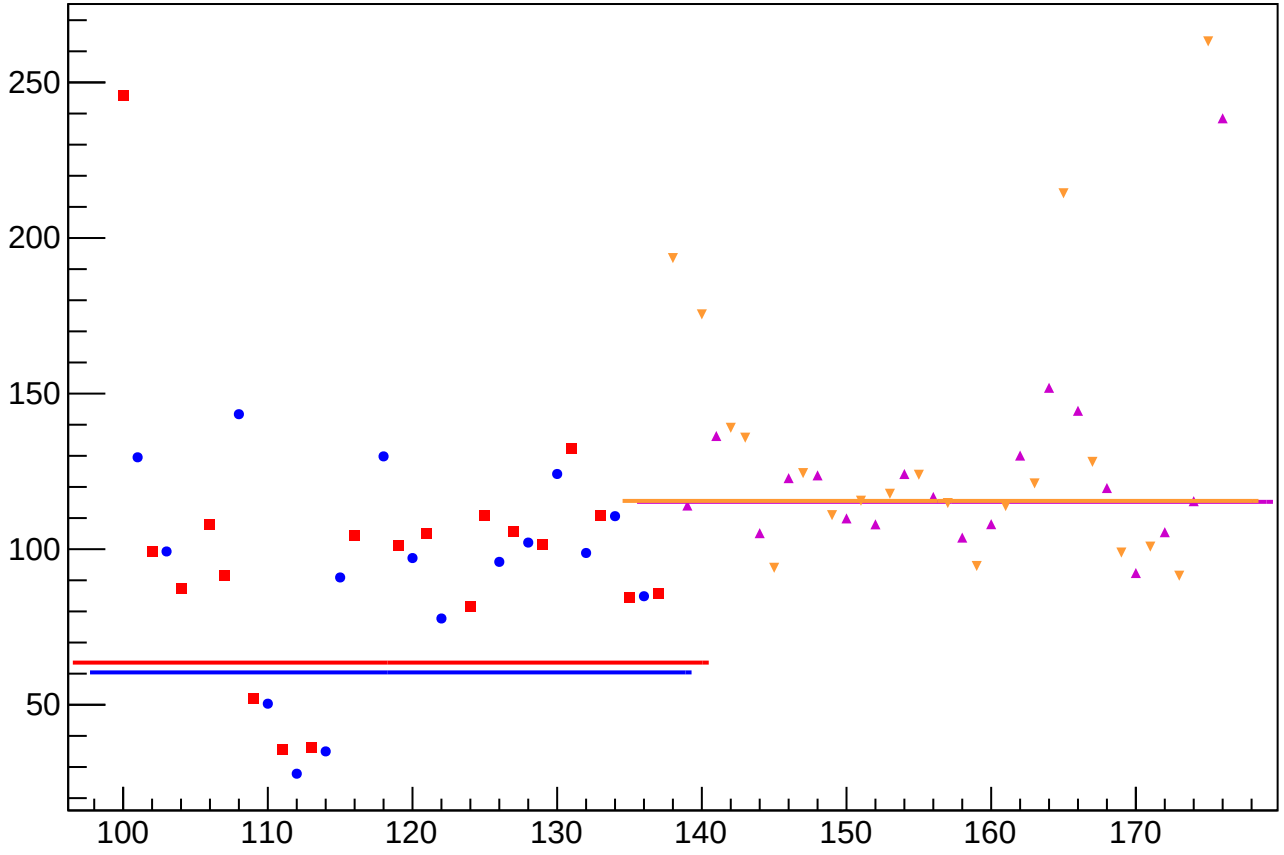
Left In: -0.014+/-0.031 χ^2/NDF:18.9/18

+ sign 0.032+/-0.020 χ^2/NDF: 45.0/35

All: 0.015+/-0.014 χ^2/NDF: 82.1/73

- sign -0.003+/-0.020 χ^2/NDF: 35.6/37

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 115.515+/-0.022 χ^2/NDF:1522851.3/19

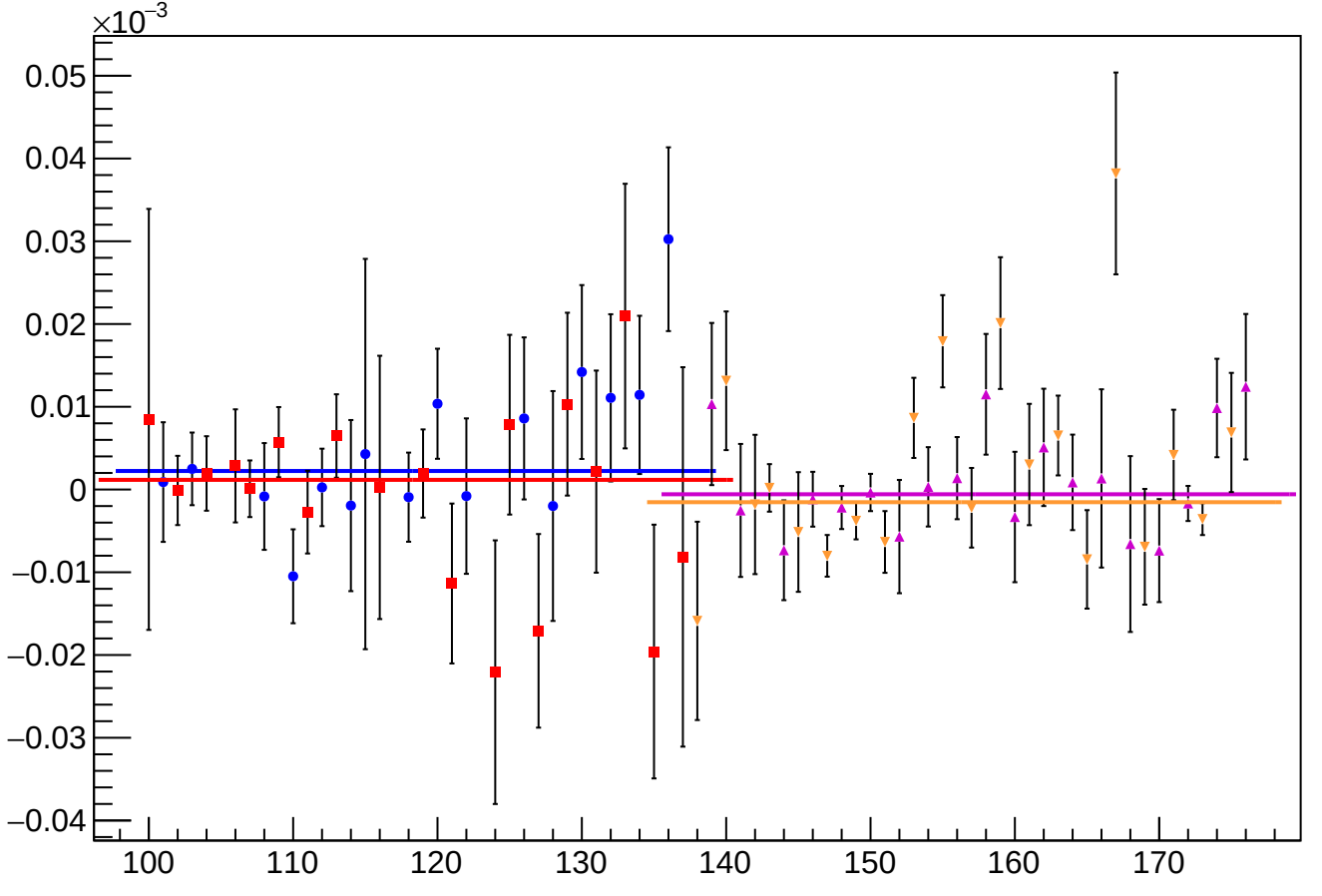
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 115.215+/-0.022 χ^2/NDF:638226.8/18

\+ sign 84.656+/-0.014 χ^2/NDF: 8725164.7/35

All: 85.350+/-0.010 χ^2/NDF: 15250227.7/73

\- sign 86.040+/-0.014 χ^2/NDF: 6520360.8/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:57.7/19

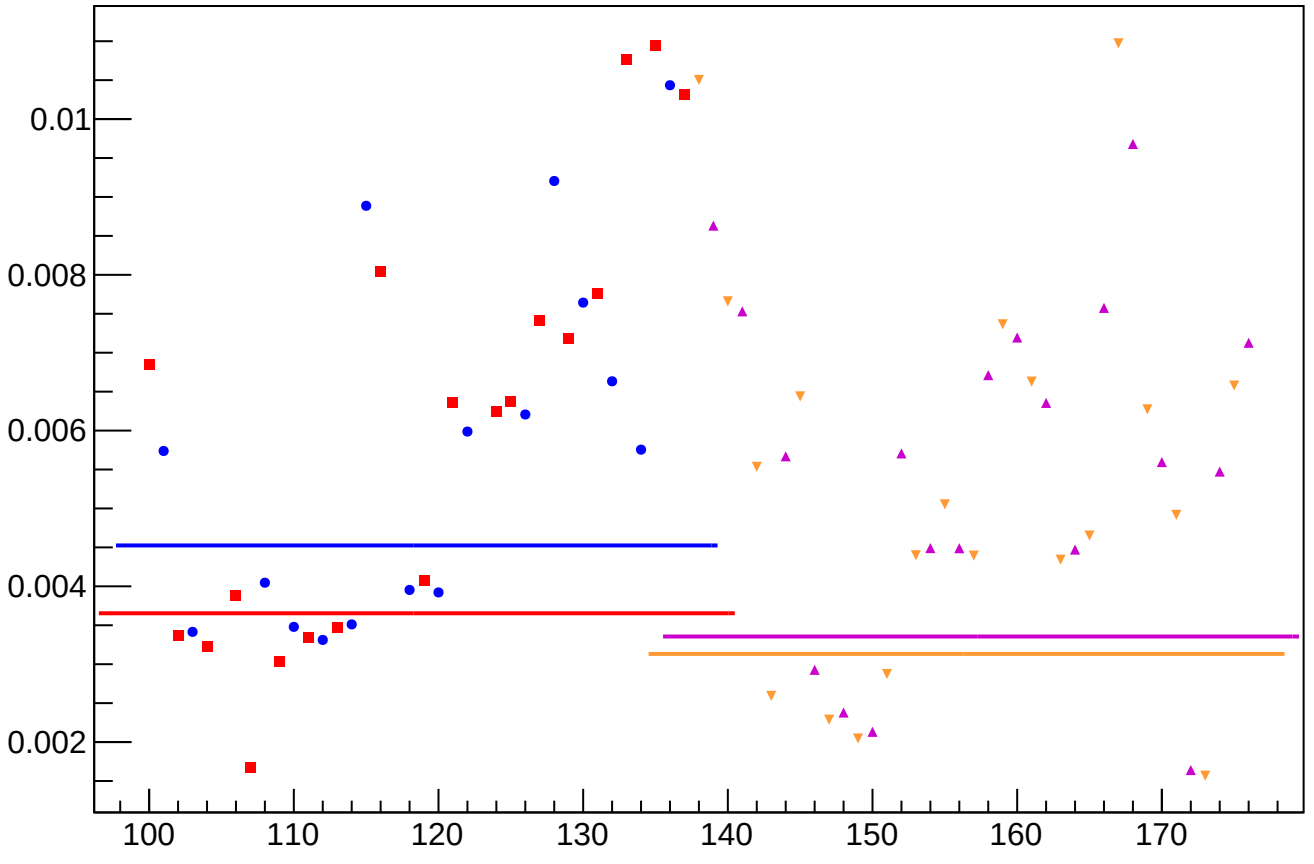
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:14.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 78.6/35

All: -0.000+/-0.000 χ^2/NDF: 108.4/73

- sign -0.000+/-0.000 χ^2/NDF: 29.4/37



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:7700888.8/19

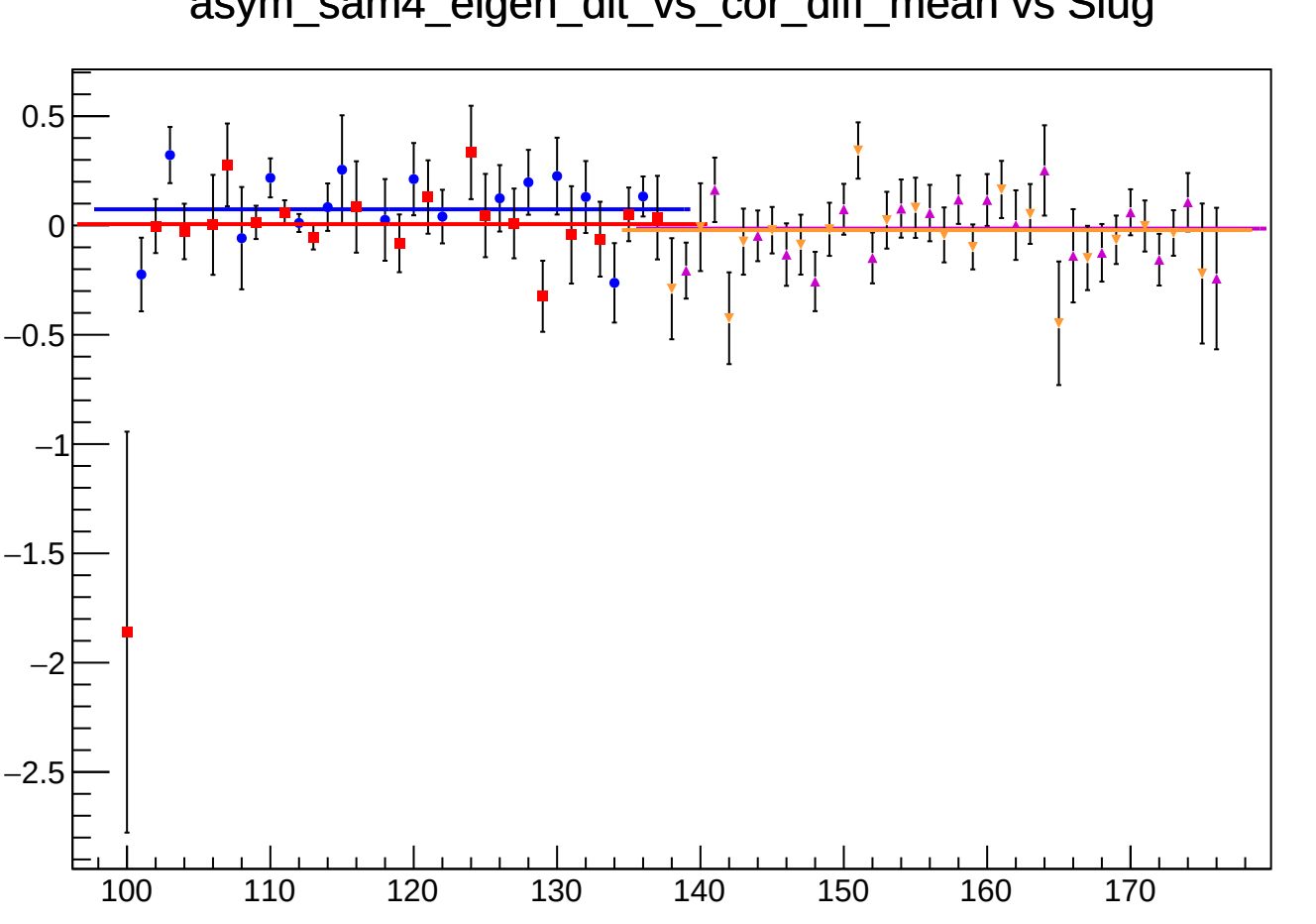
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:7307174.1/18

+ sign 0.003+/-0.000 χ^2/NDF: 10361727.8/35

All: 0.003+/-0.000 χ^2/NDF: 20657983.4/73

- sign 0.003+/-0.000 χ^2/NDF: 10294957.5/37



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

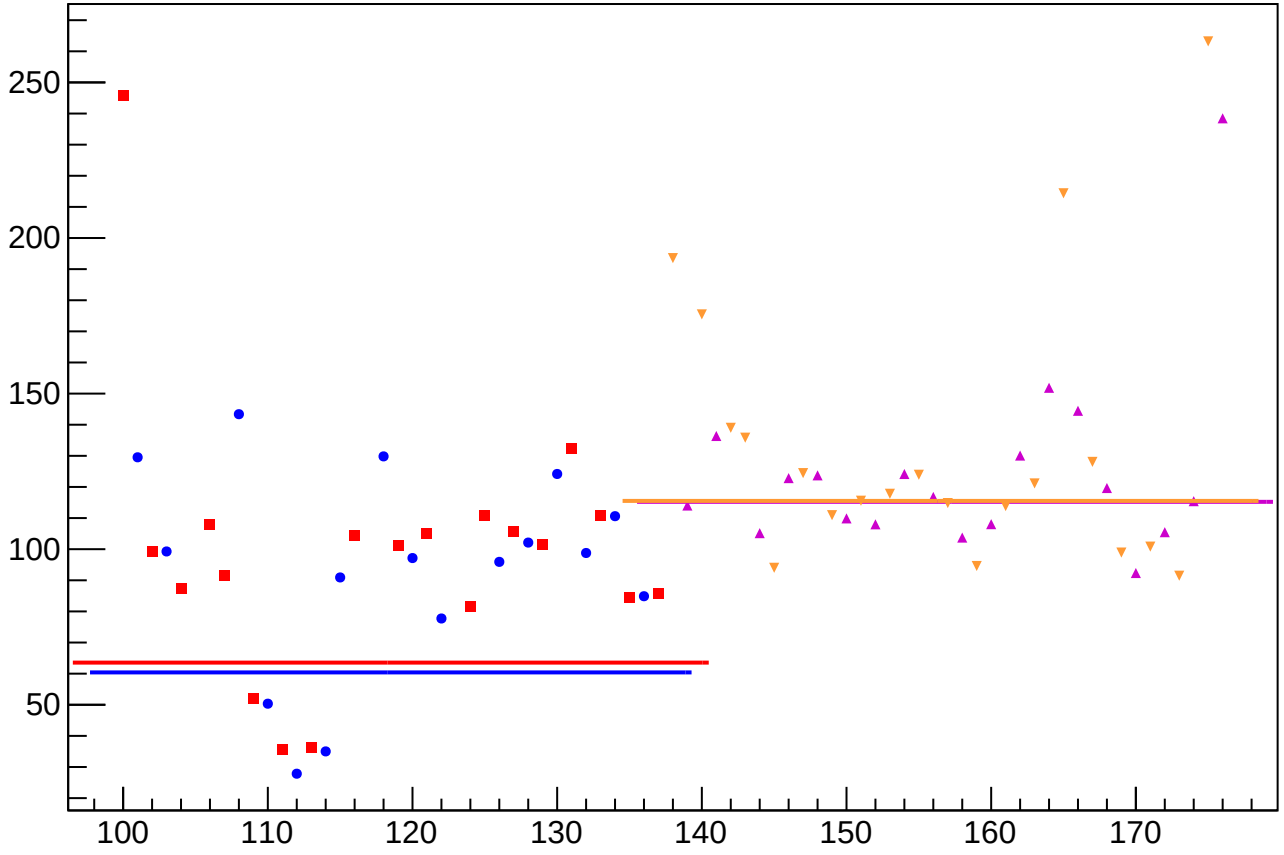
Left In: -0.014+/-0.031 χ^2/NDF:19.0/18

+ sign 0.032+/-0.020 χ^2/NDF: 45.0/35

All: 0.015+/-0.014 χ^2/NDF: 82.1/73

- sign -0.003+/-0.020 χ^2/NDF: 35.6/37

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 115.516+/-0.022 χ^2/NDF:1522827.4/19

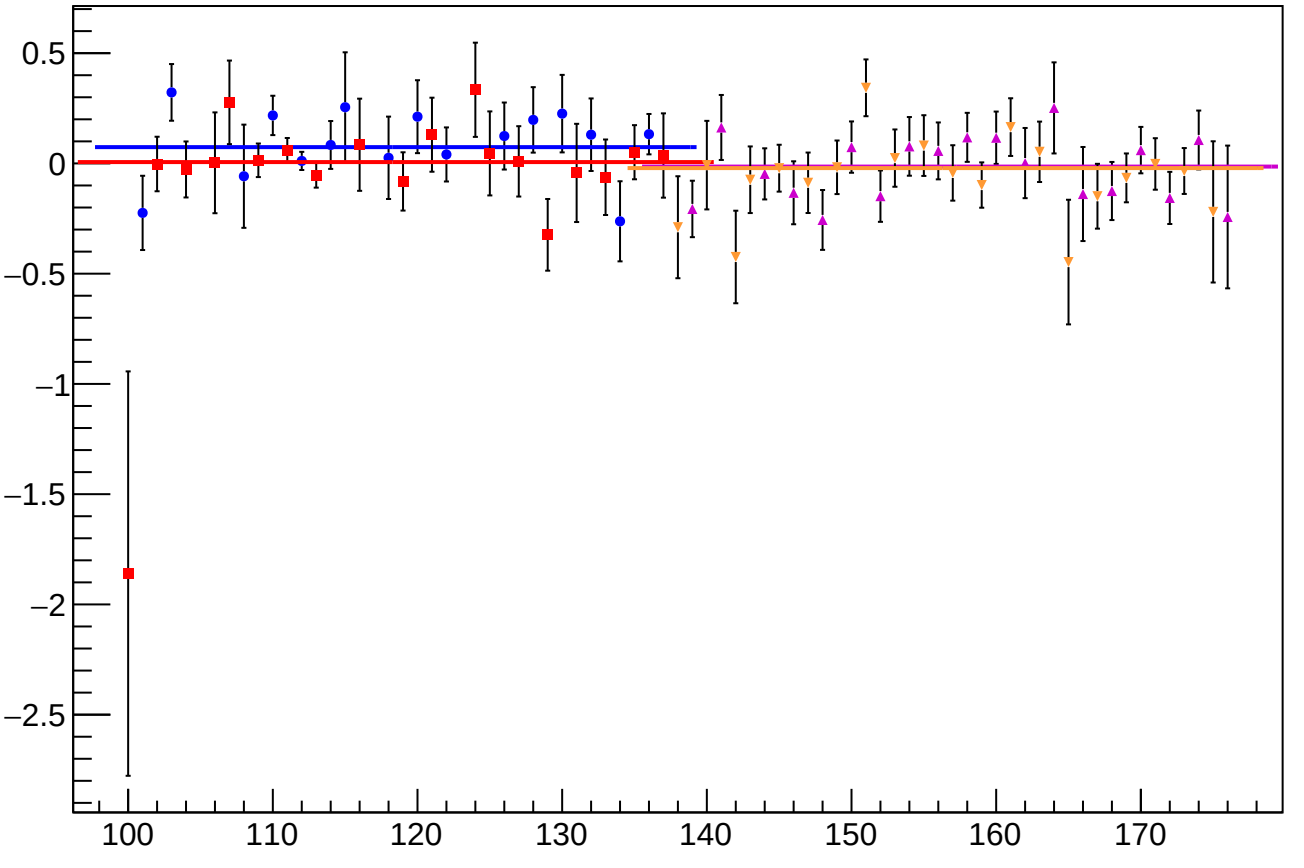
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

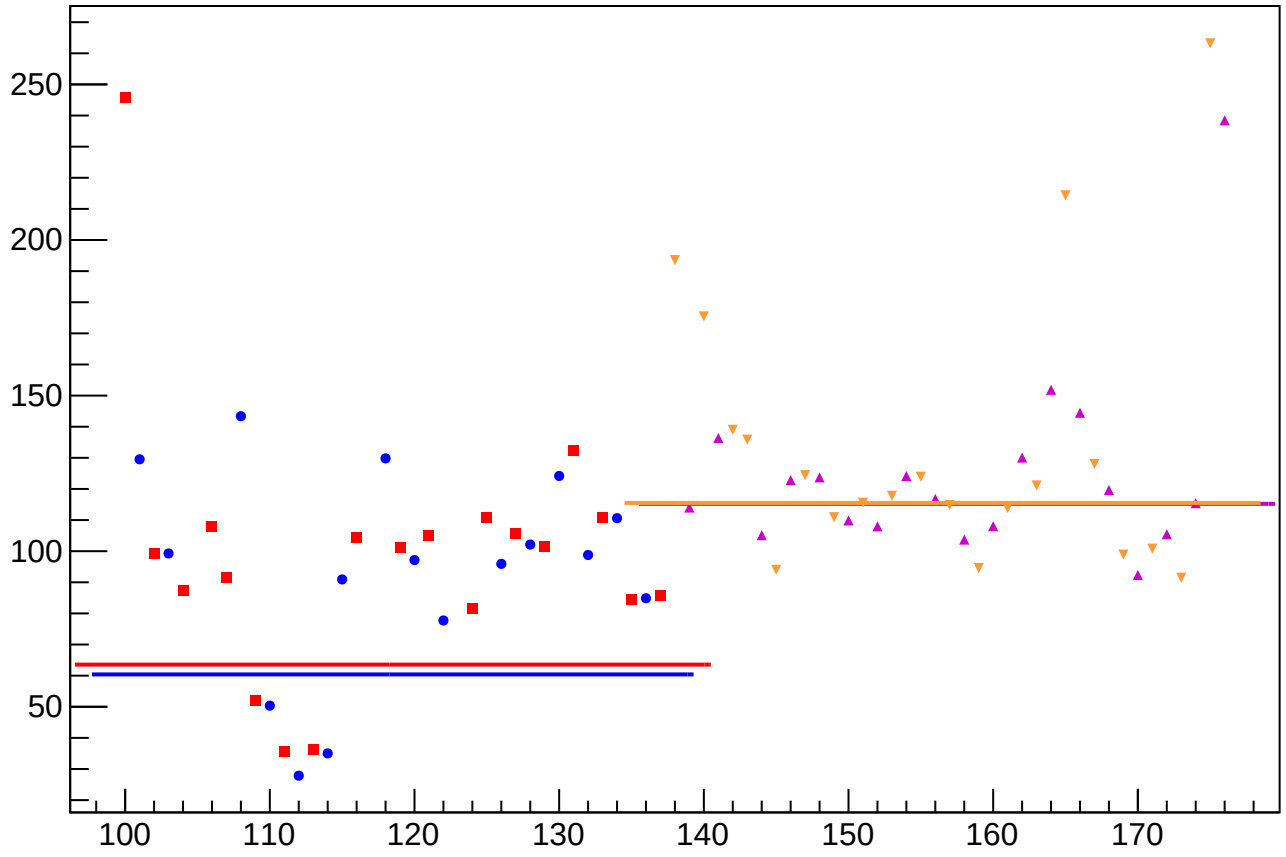
Left In: 115.216+/-0.022 χ^2/NDF:638209.6/18

+ sign 84.654+/-0.014 χ^2/NDF: 8725845.9/35

All: 85.348+/-0.010 χ^2/NDF: 15251523.1/73

- sign 86.039+/-0.014 χ^2/NDF: 6520972.9/37


asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
Right In: 0.074+/-0.027 χ²/NDF: 19.0/15
Left Out: -0.021+/-0.030 χ²/NDF:20.6/19
Right Out: 0.006+/-0.027 χ²/NDF: 16.4/18
Left In: -0.014+/-0.031 χ²/NDF:19.0/18
+ sign 0.032+/-0.020 χ²/NDF: 45.0/35
All: 0.015+/-0.014 χ²/NDF: 82.1/73
- sign -0.003+/-0.020 χ²/NDF: 35.6/37



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 115.516+/-0.022 χ^2/NDF:1522827.4/19

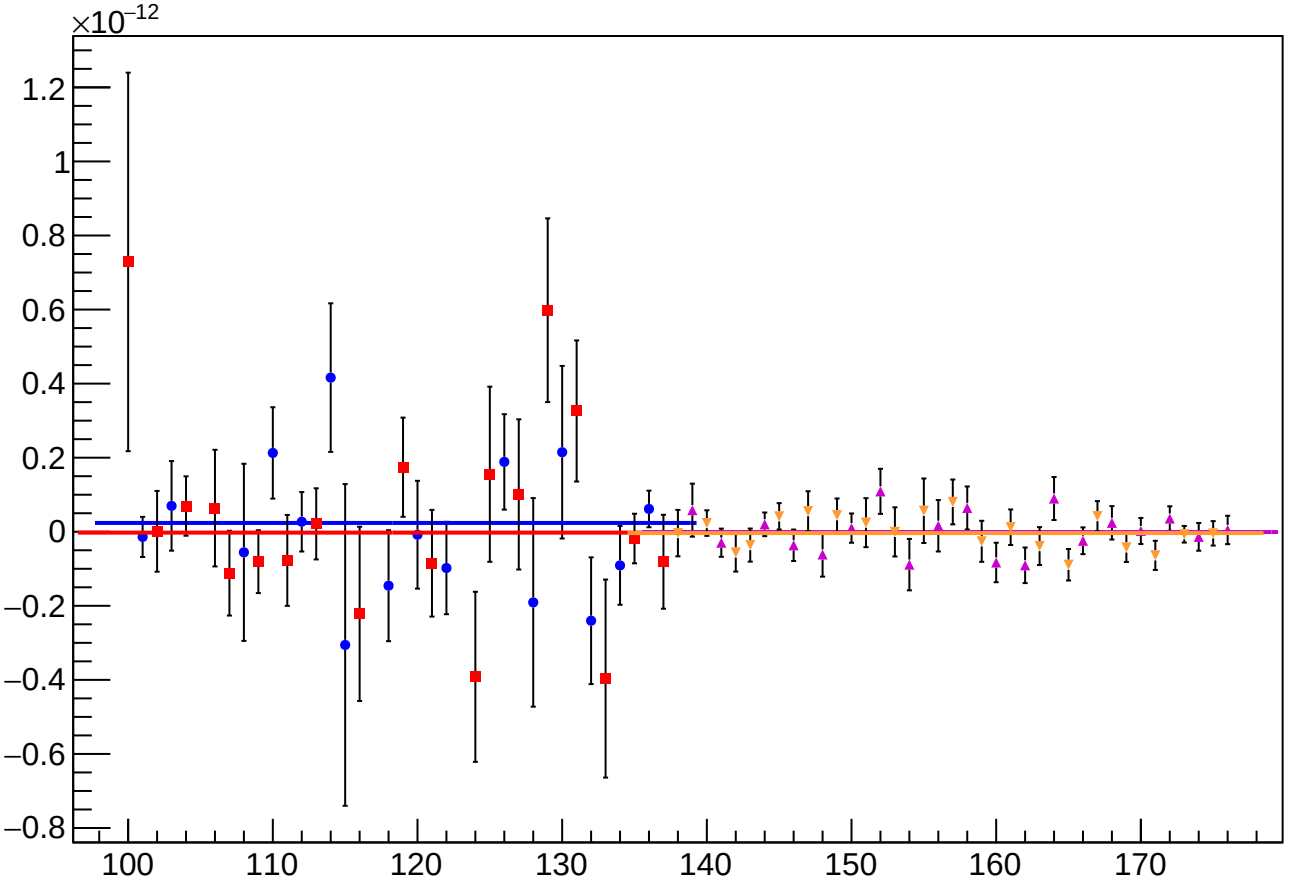
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 115.216+/-0.022 χ^2/NDF:638209.6/18

+ sign 84.654+/-0.014 χ^2/NDF: 8725845.9/35

All: 85.348+/-0.010 χ^2/NDF: 15251523.1/73

- sign 86.039+/-0.014 χ^2/NDF: 6520972.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/19

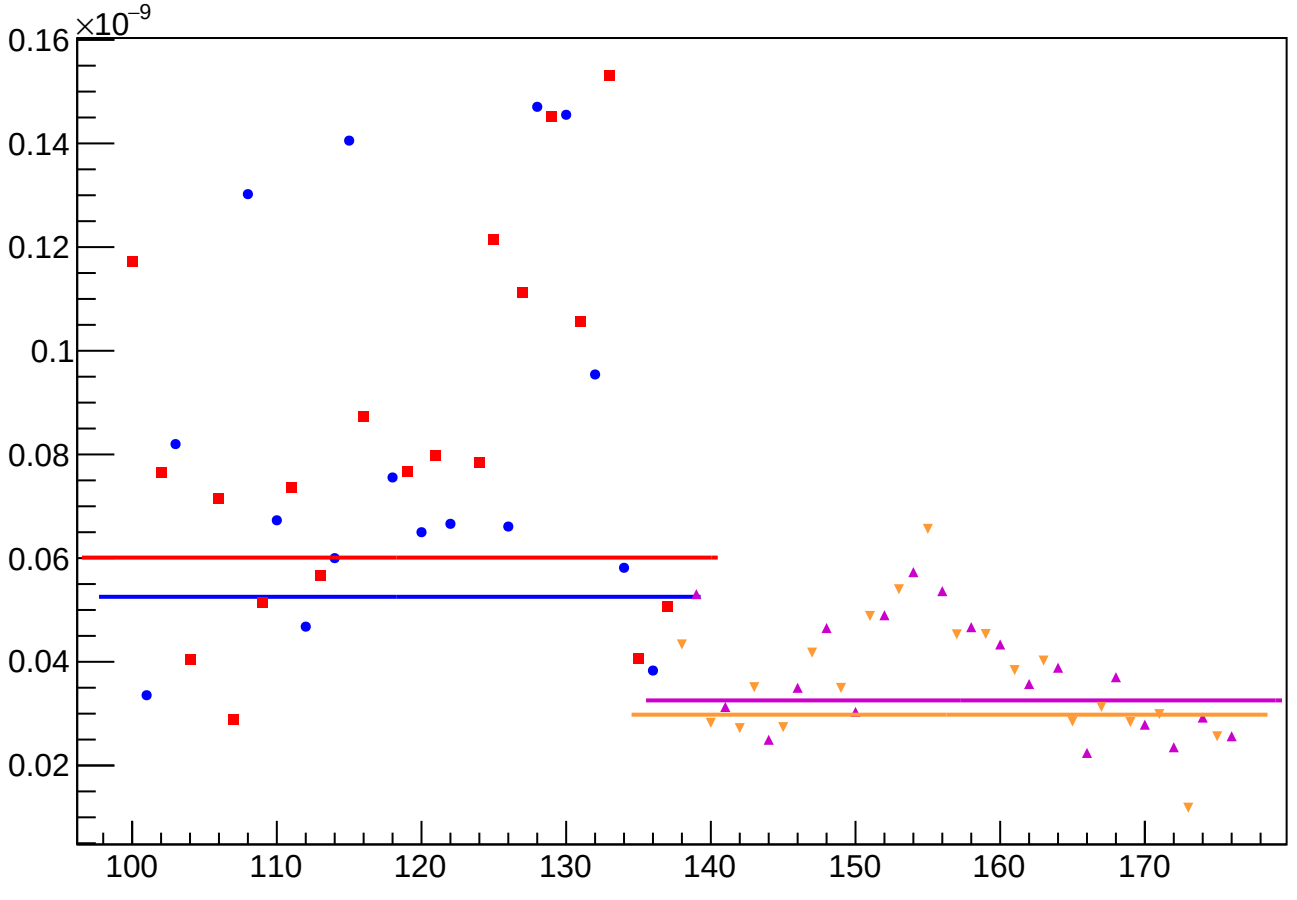
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:20.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/35

All: -0.000+/-0.000 χ^2/NDF: 79.1/73

- sign -0.000+/-0.000 χ^2/NDF: 43.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2789220.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

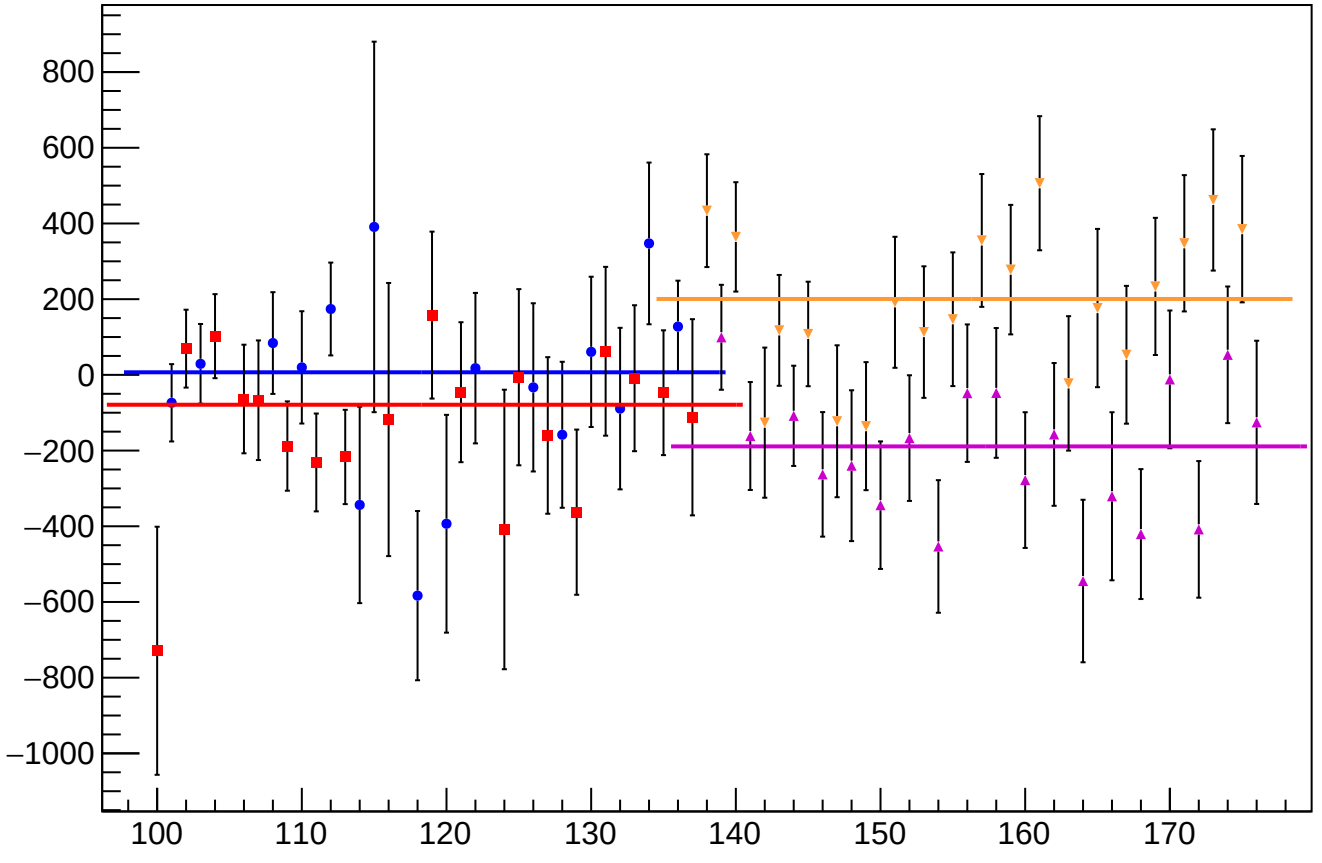
Left In: 0.000+/-0.000 χ^2/NDF:1659913.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 5768574.7/35

All: 0.000+/-0.000 χ^2/NDF: 10701409.6/73

- sign 0.000+/-0.000 χ^2/NDF: 4821121.8/37

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 200.536+/-38.469 χ^2/NDF:23.9/19

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

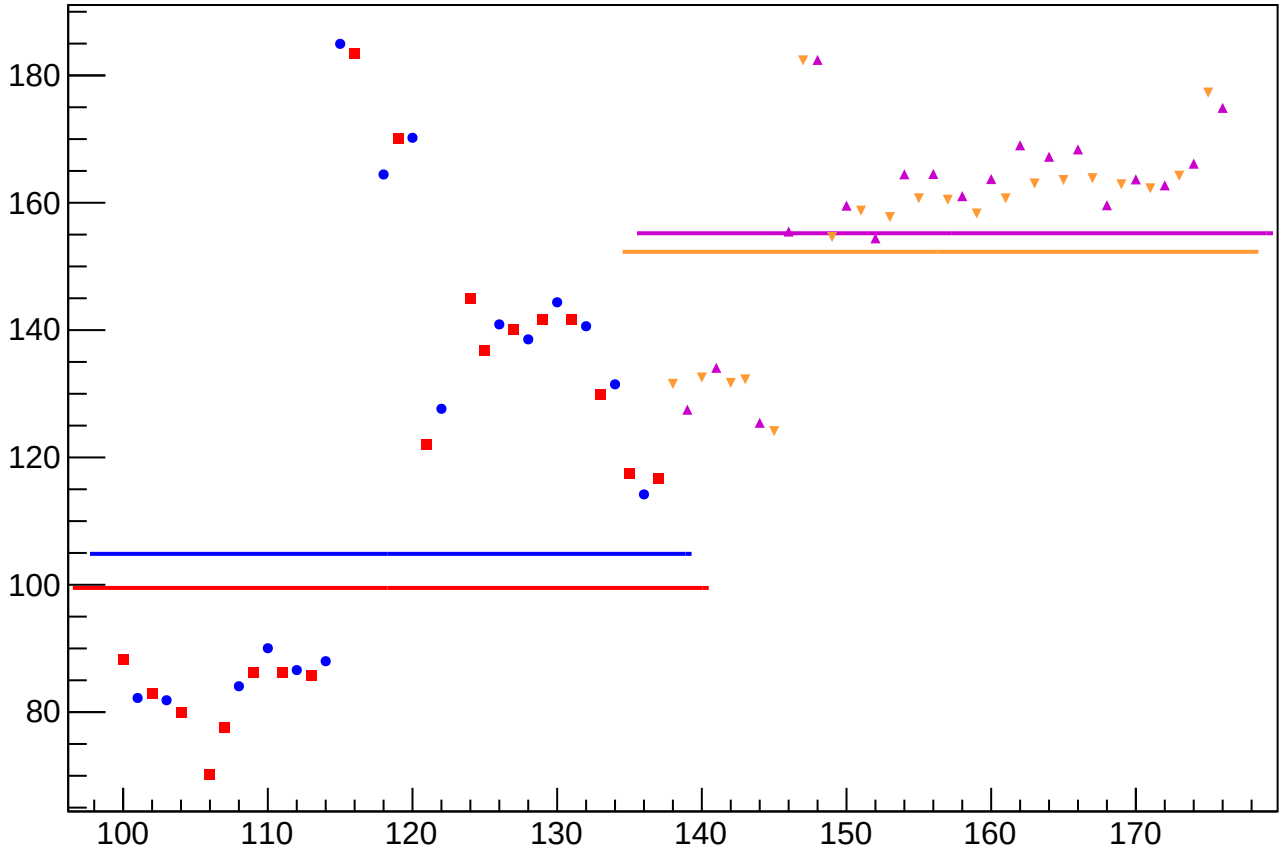
Left In: -188.988+/-39.618 χ^2/NDF:18.9/18

+ sign 108.302+/-27.844 χ^2/NDF: 54.7/35

All: -13.577+/-19.526 χ^2/NDF: 132.1/73

- sign -131.505+/-27.389 χ^2/NDF: 39.6/37

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 152.302+/-0.027 χ^2/NDF:359878.7/19

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

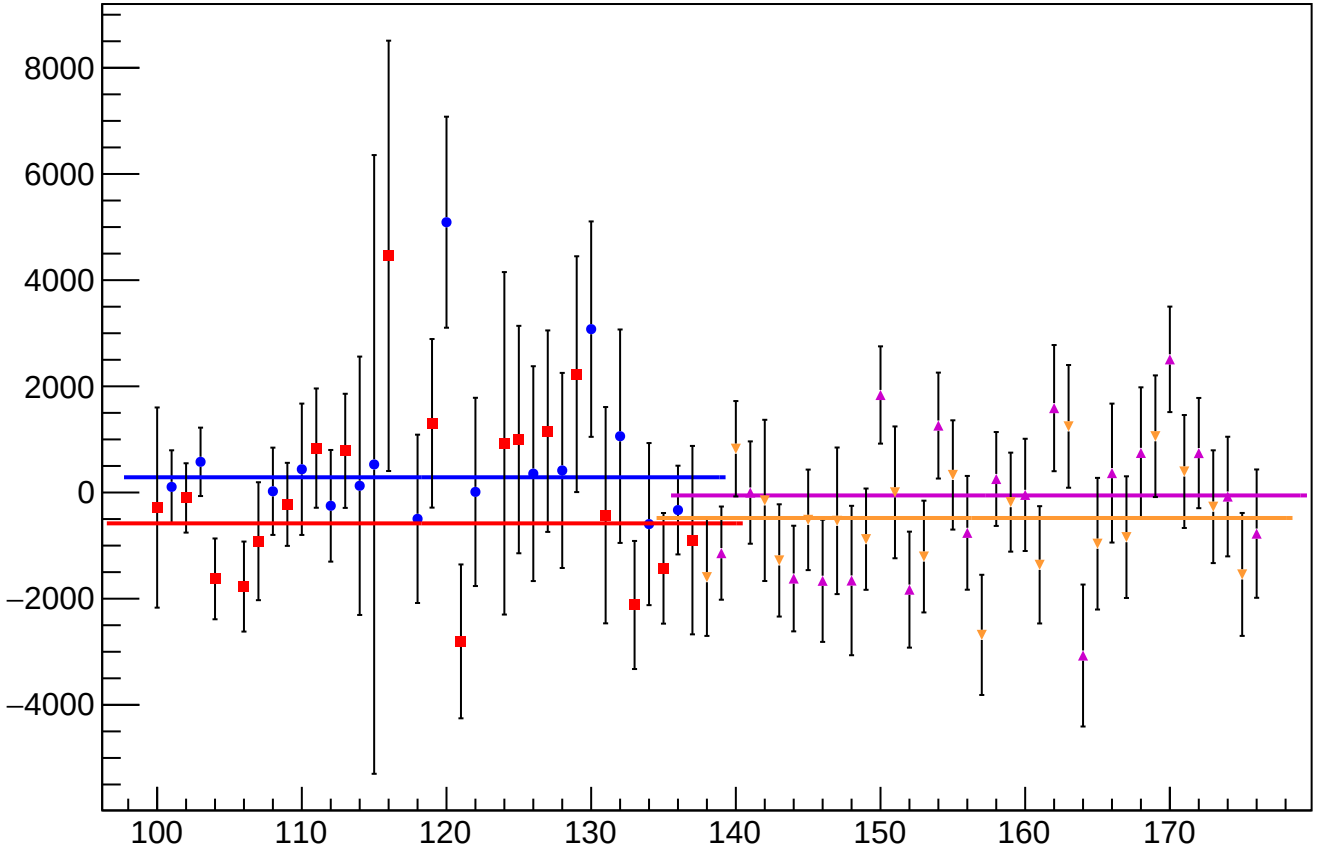
Left In: 155.212+/-0.028 χ^2/NDF:338445.8/18

+ sign 129.714+/-0.020 χ^2/NDF: 2739366.4/35

All: 127.893+/-0.014 χ^2/NDF: 6197944.1/73

- sign 126.130+/-0.019 χ^2/NDF: 3441738.5/37

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -479.994+/-243.934 χ^2/NDF:15.5/19

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

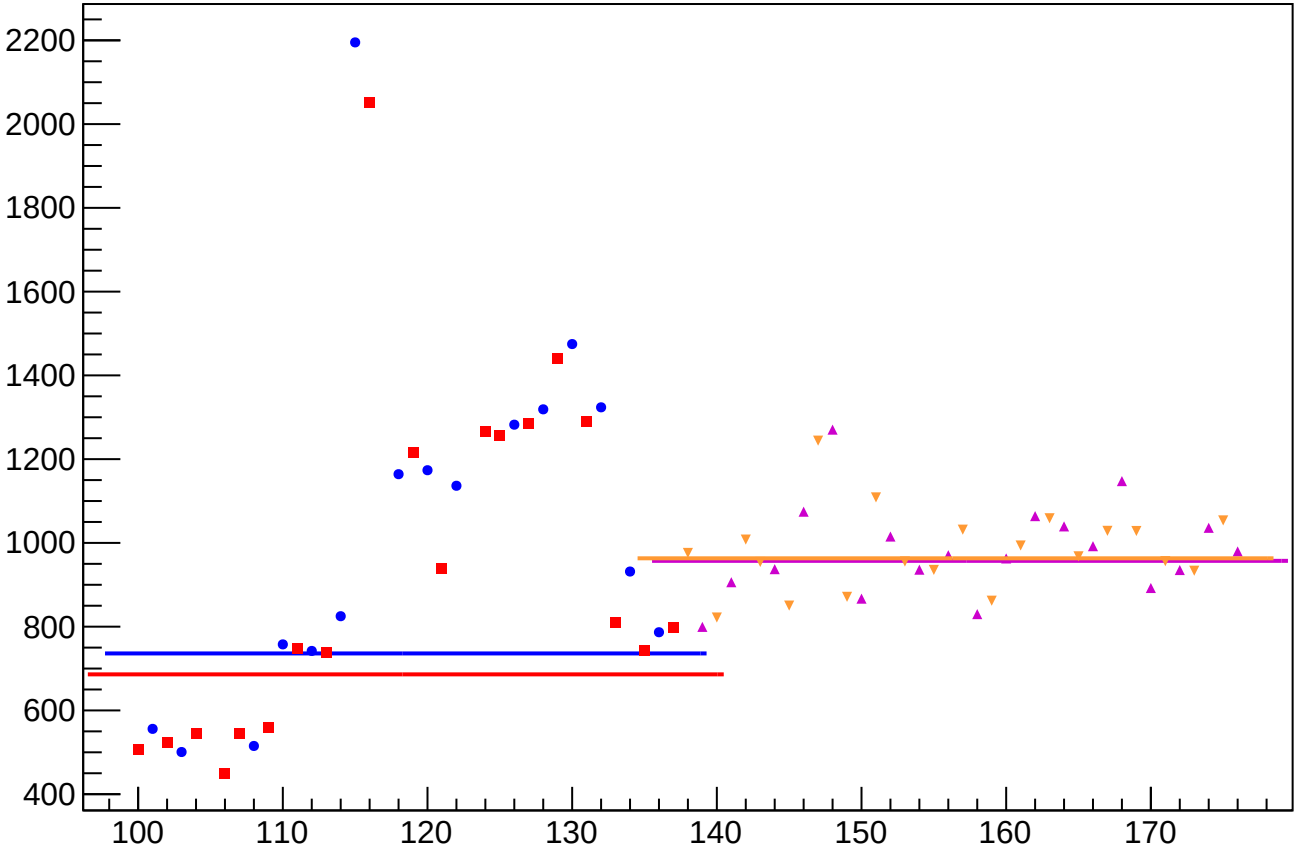
Left In: -55.080+/-245.138 χ^2/NDF:31.6/18

+ sign -166.639+/-187.593 χ^2/NDF: 29.3/35

All: -231.947+/-130.413 χ^2/NDF: 81.9/73

- sign -293.032+/-181.425 χ^2/NDF: 52.4/37

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 963.217+/-0.172 χ^2/NDF:283490.3/19

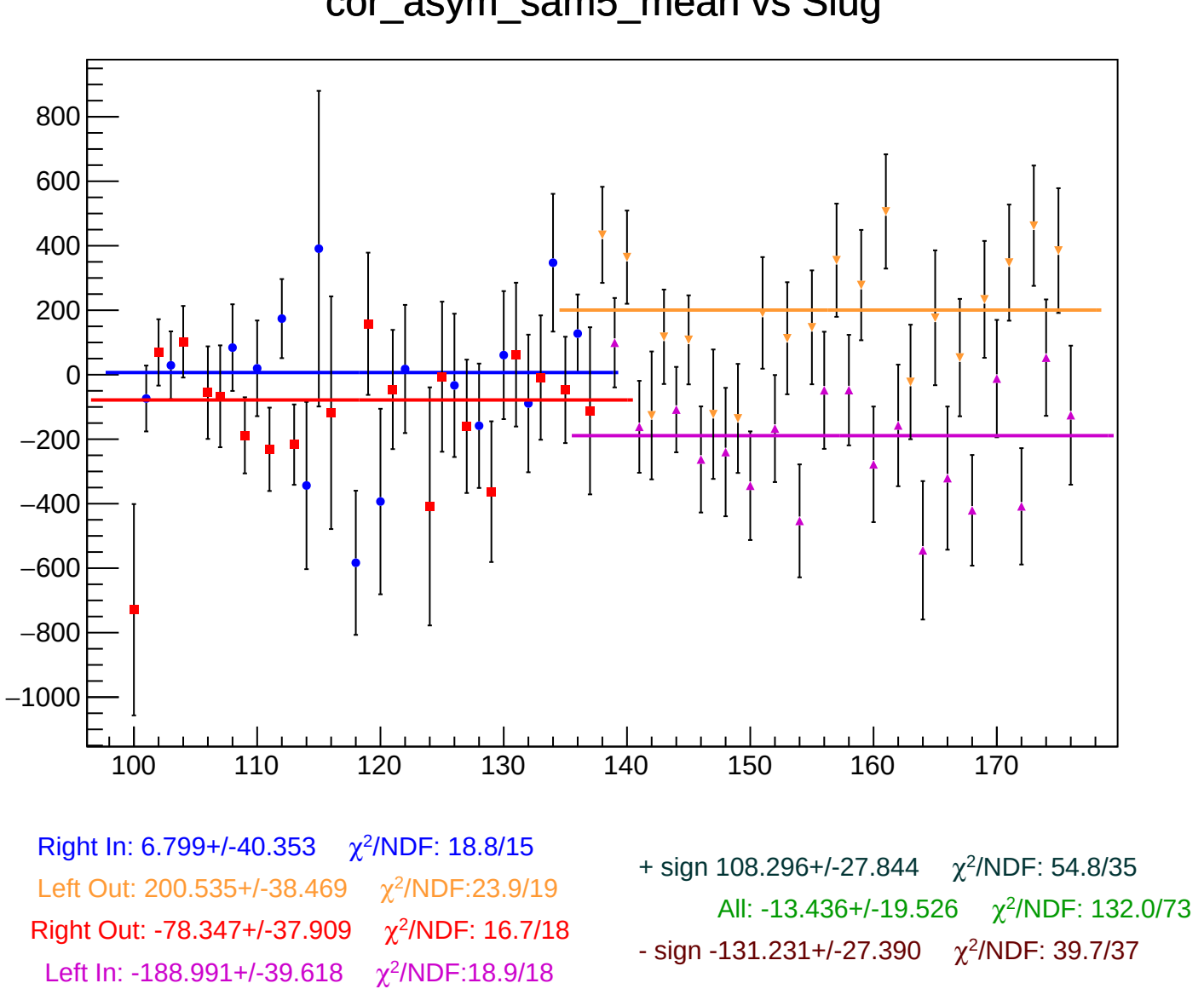
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 957.157+/-0.173 χ^2/NDF:351056.9/18

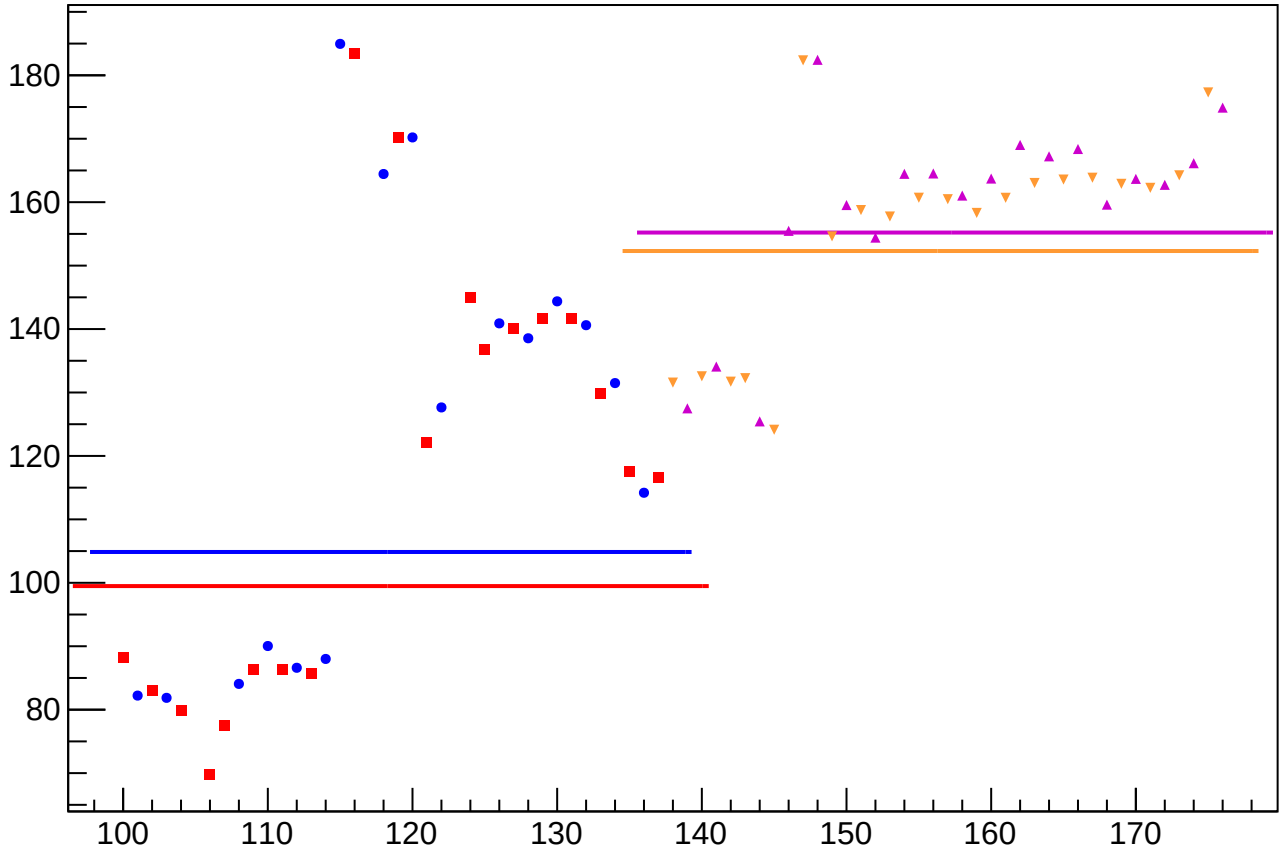
+ sign 870.411+/-0.133 χ^2/NDF: 2836481.3/35

All: 851.893+/-0.092 χ^2/NDF: 6150278.1/73

- sign 834.572+/-0.128 χ^2/NDF: 3276076.8/37


cor_asym_sam5_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 200.535+/-38.469 χ²/NDF:23.9/19
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -188.991+/-39.618 χ²/NDF:18.9/18
+ sign 108.296+/-27.844 χ²/NDF: 54.8/35
All: -13.436+/-19.526 χ²/NDF: 132.0/73
- sign -131.231+/-27.390 χ²/NDF: 39.7/37

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.302+/-0.027 χ^2/NDF:359878.7/19

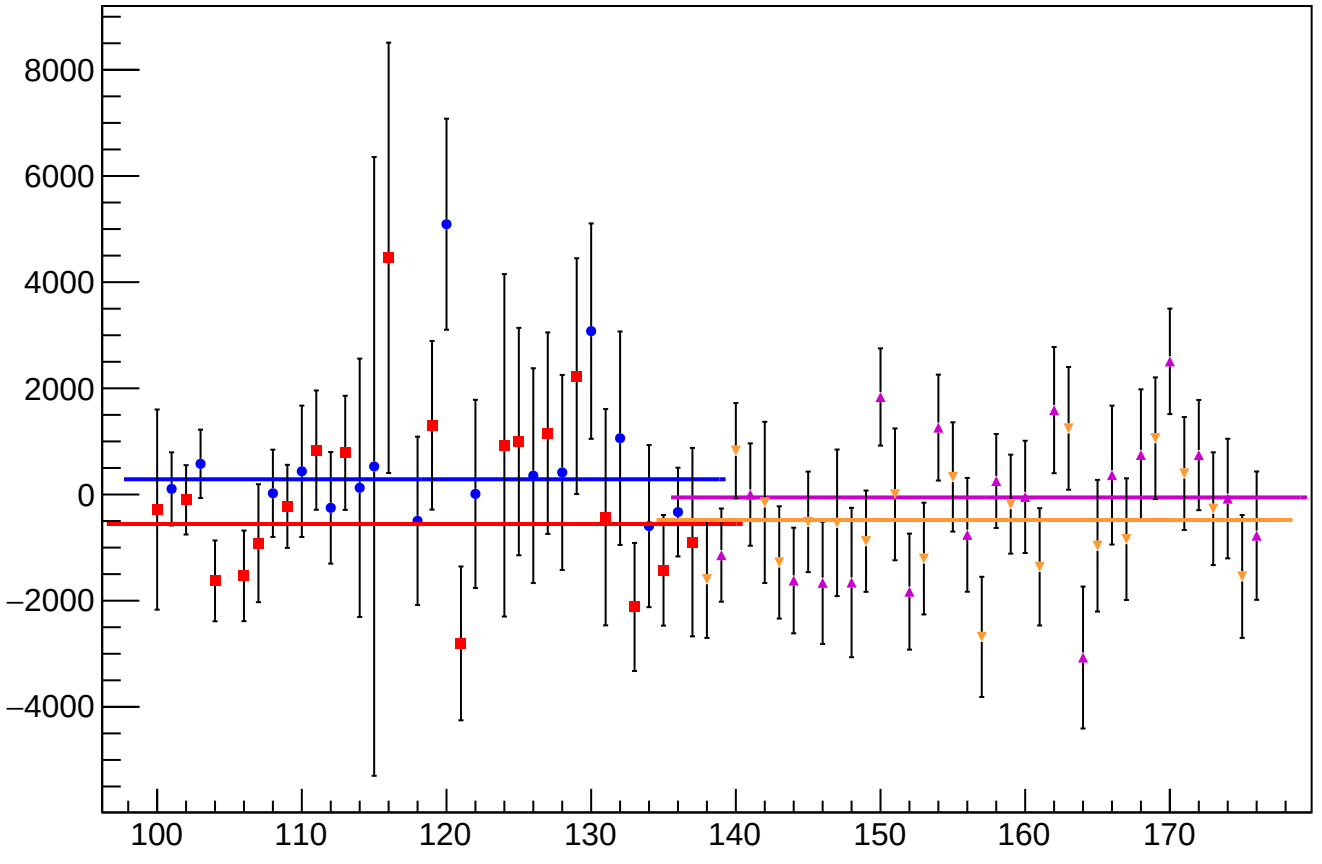
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 155.212+/-0.028 χ^2/NDF:338445.9/18

+ sign 129.714+/-0.020 χ^2/NDF: 2739364.5/35

All: 127.888+/-0.014 χ^2/NDF: 6201858.6/73

- sign 126.120+/-0.019 χ^2/NDF: 3445556.5/37



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -479.992+/-243.934 χ^2/NDF:15.5/19

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

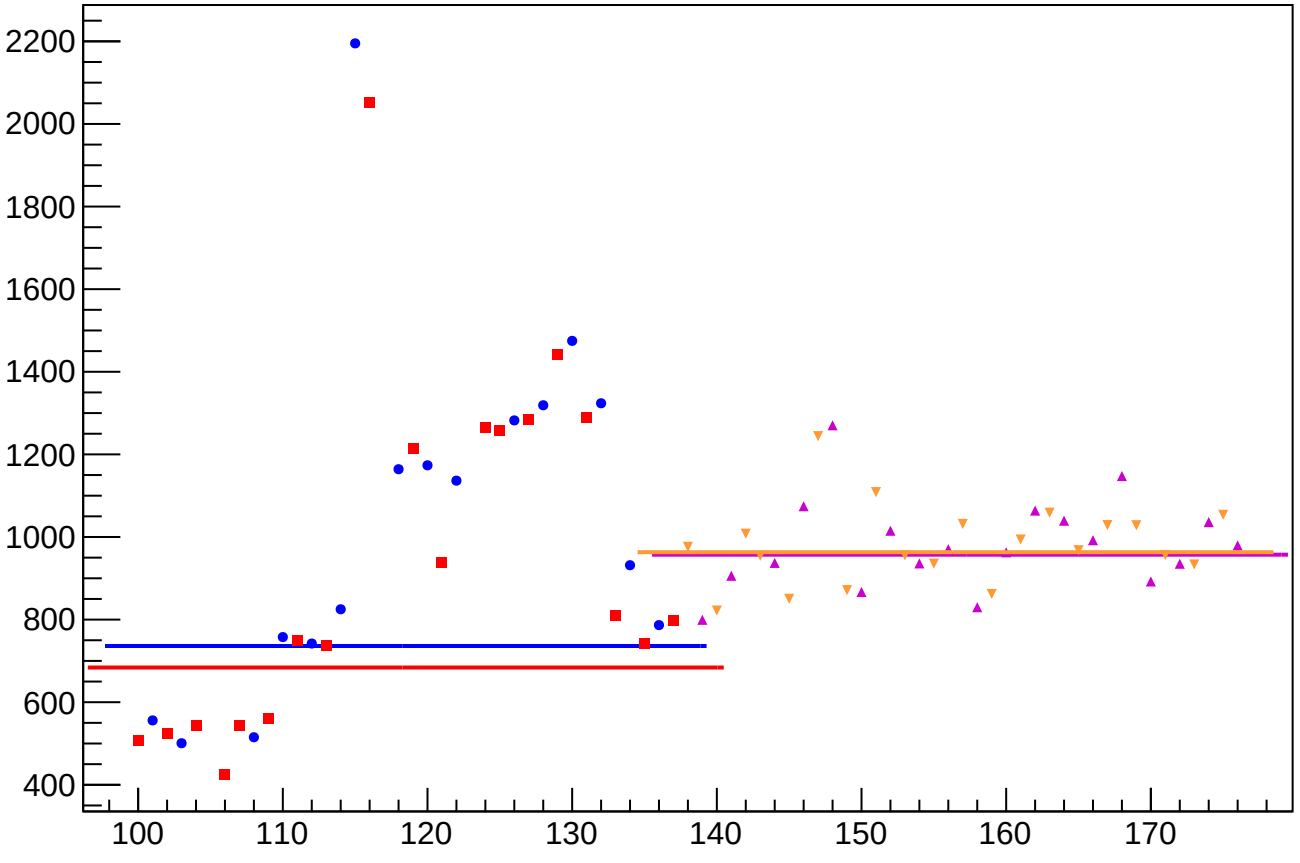
Left In: -55.081+/-245.138 χ^2/NDF:31.6/18

+ sign -166.636+/-187.593 χ^2/NDF: 29.3/35

All: -225.820+/-130.433 χ^2/NDF: 81.0/73

- sign -281.209+/-181.479 χ^2/NDF: 51.5/37

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 963.217+/-0.172 χ^2/NDF:283489.5/19

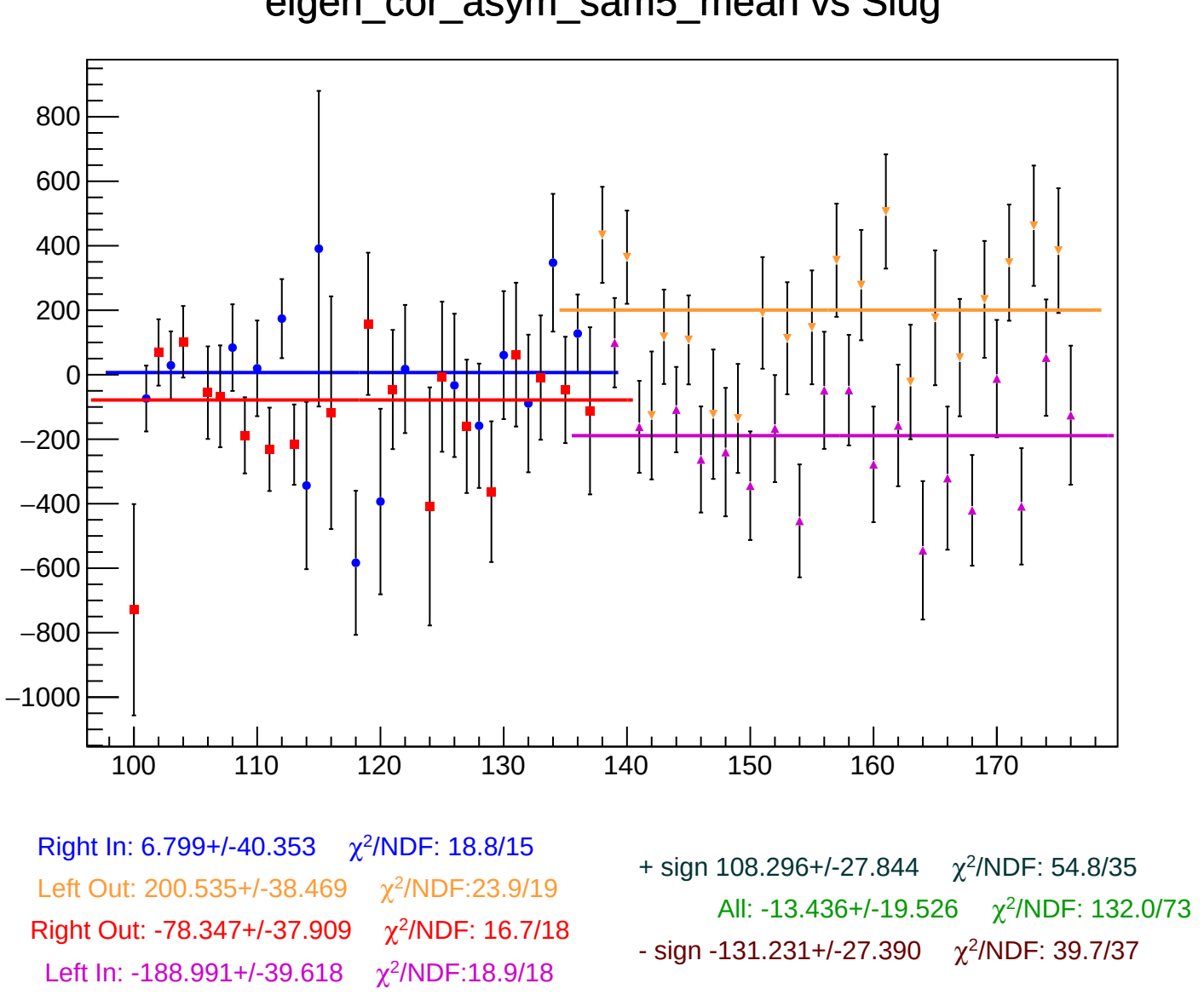
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

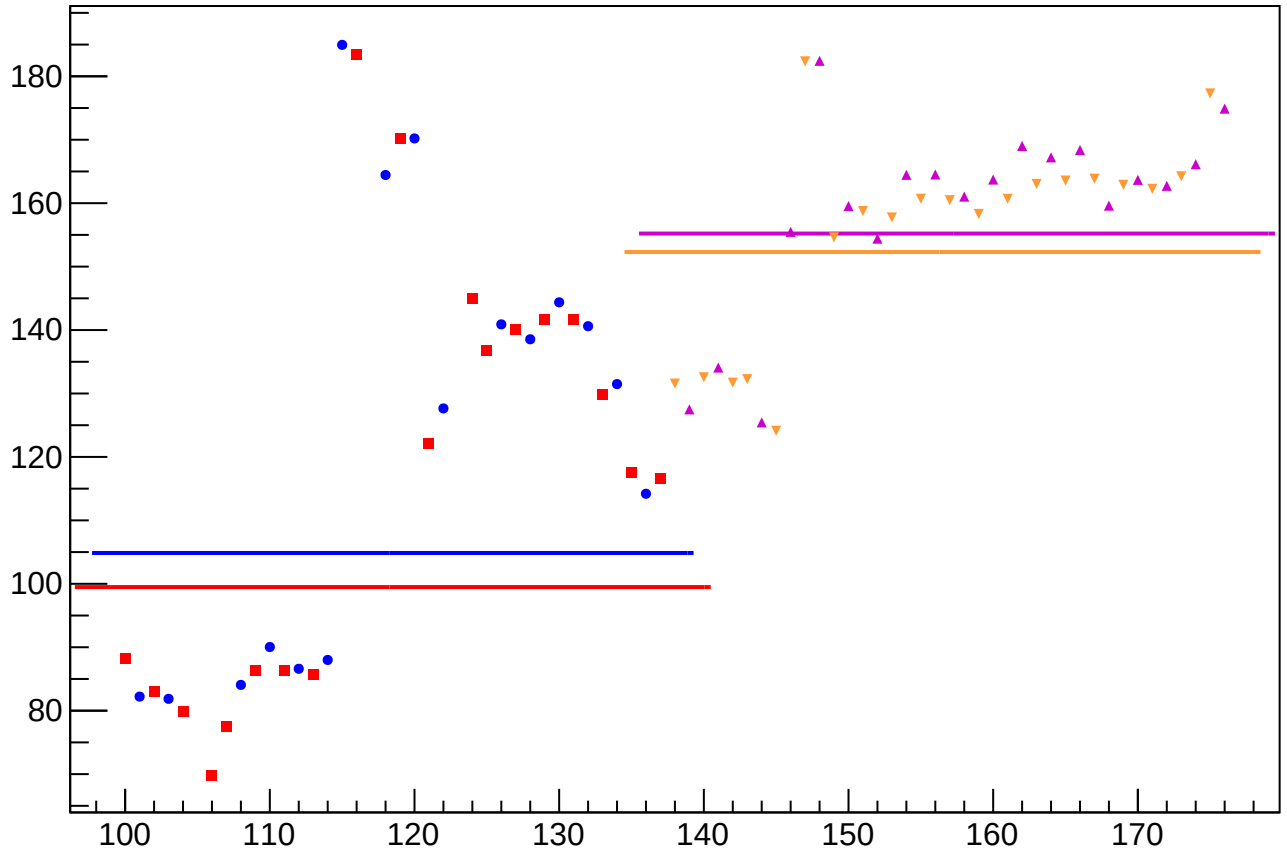
Left In: 957.157+/-0.173 χ^2/NDF:351059.0/18

+ sign 870.411+/-0.133 χ^2/NDF: 2836489.1/35

All: 851.447+/-0.092 χ^2/NDF: 6199977.5/73

- sign 833.699+/-0.128 χ^2/NDF: 3323920.4/37


eigen_cor_asym_sam5_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 200.535+/-38.469 χ²/NDF:23.9/19
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -188.991+/-39.618 χ²/NDF:18.9/18
+ sign 108.296+/-27.844 χ²/NDF: 54.8/35
All: -13.436+/-19.526 χ²/NDF: 132.0/73
- sign -131.231+/-27.390 χ²/NDF: 39.7/37



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.302+/-0.027 χ^2/NDF:359878.7/19

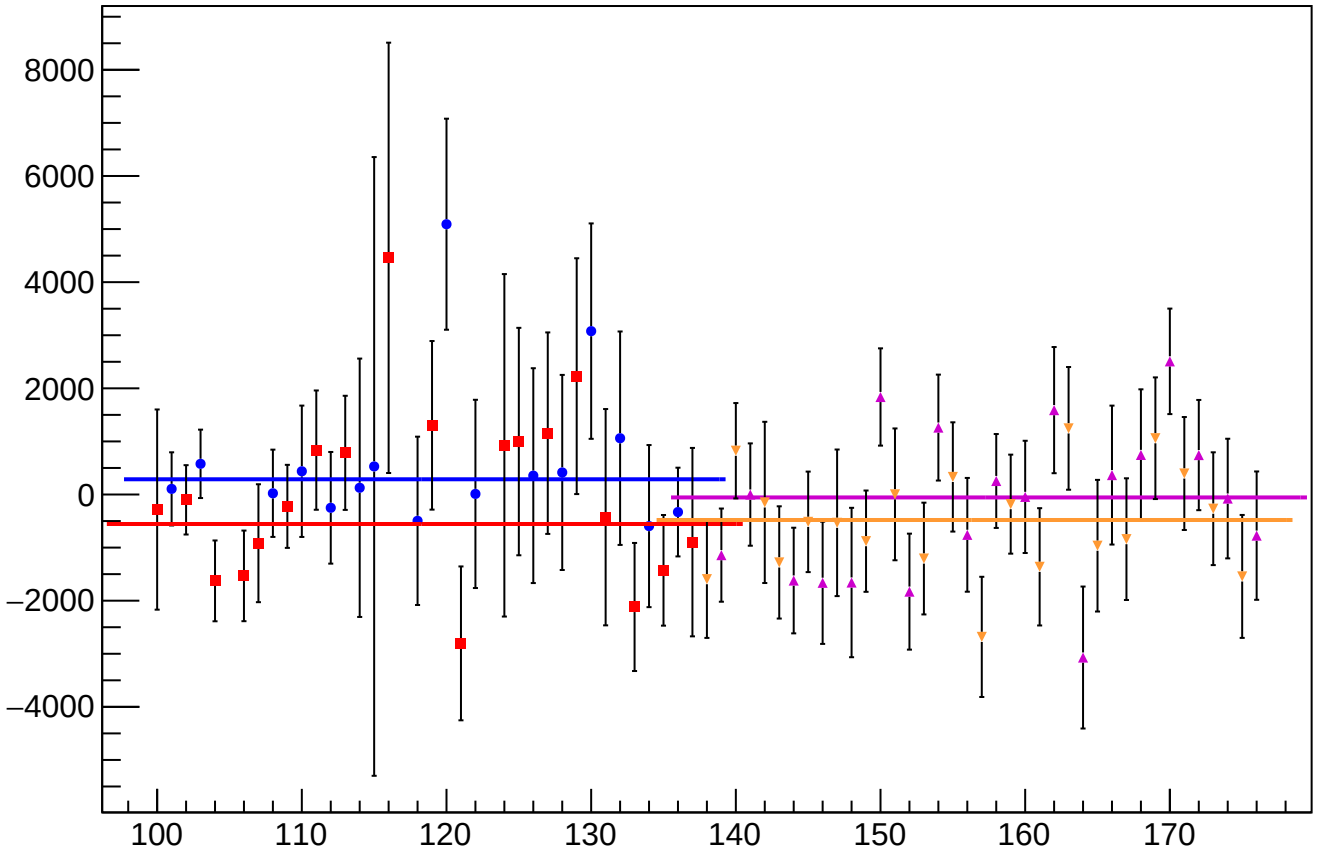
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 155.212+/-0.028 χ^2/NDF:338445.9/18

+ sign 129.714+/-0.020 χ^2/NDF: 2739364.5/35

All: 127.888+/-0.014 χ^2/NDF: 6201858.6/73

- sign 126.120+/-0.019 χ^2/NDF: 3445556.5/37



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -479.992+/-243.934 χ^2/NDF:15.5/19

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

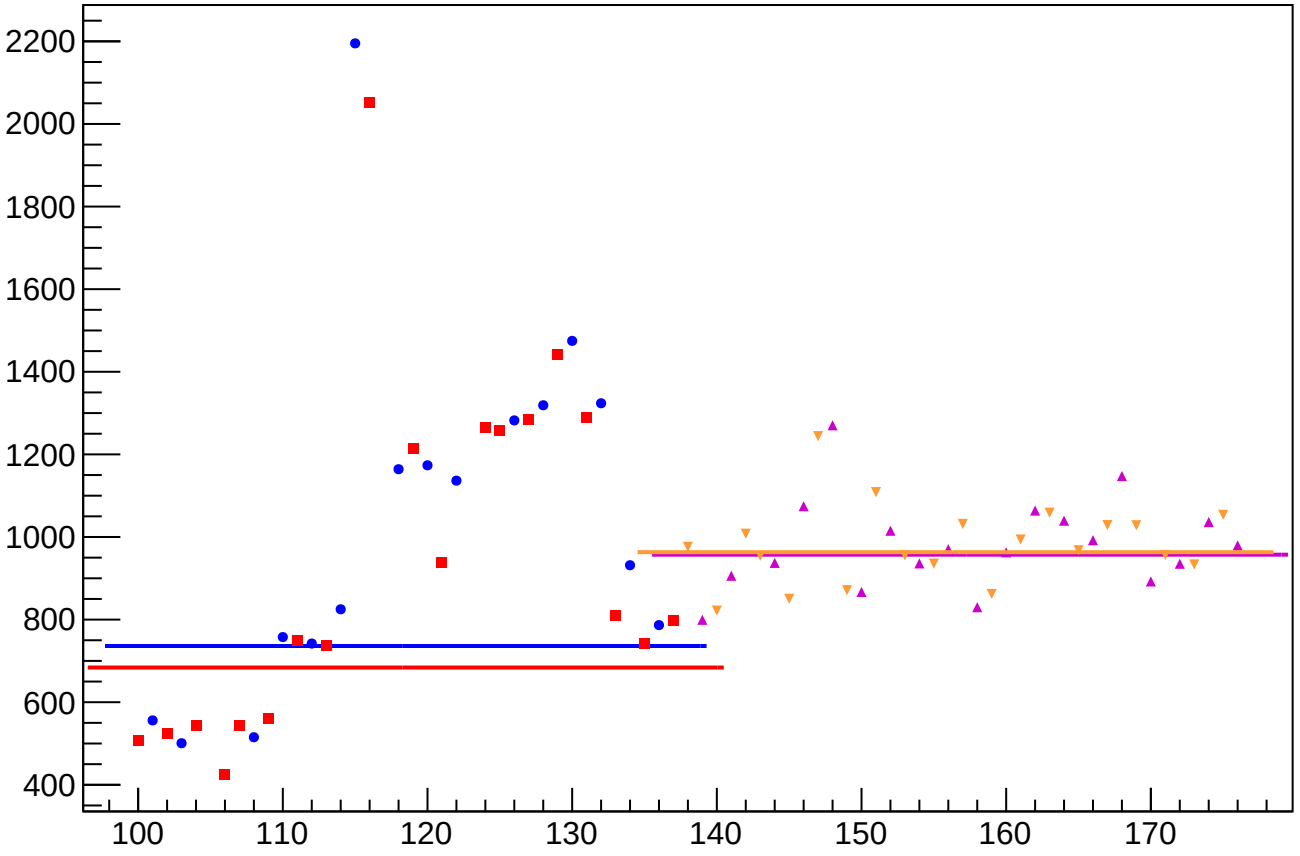
Left In: -55.081+/-245.138 χ^2/NDF:31.6/18

+ sign -166.636+/-187.593 χ^2/NDF: 29.3/35

All: -225.820+/-130.433 χ^2/NDF: 81.0/73

- sign -281.209+/-181.479 χ^2/NDF: 51.5/37

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 963.217+/-0.172 χ^2/NDF:283489.5/19

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

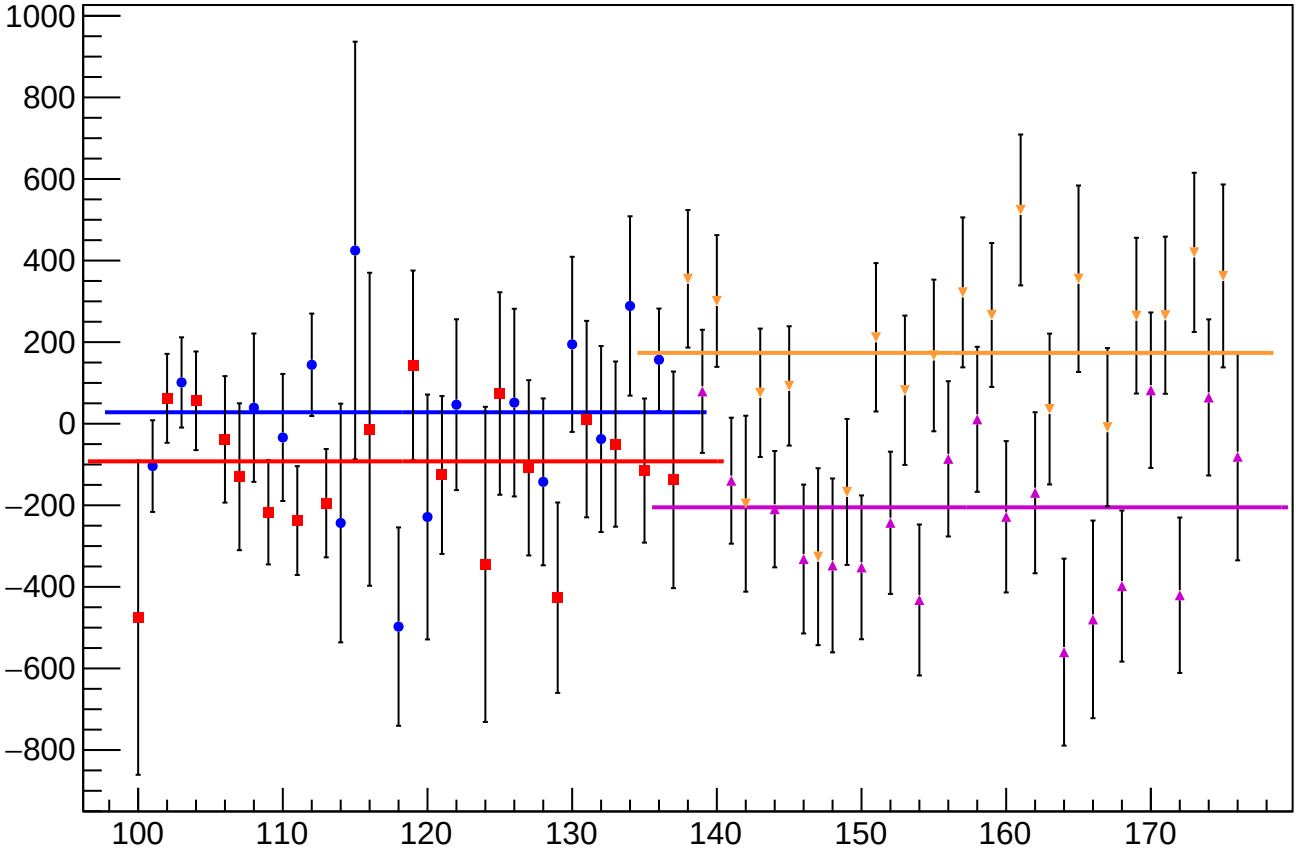
Left In: 957.157+/-0.173 χ^2/NDF:351059.0/18

+ sign 870.411+/-0.133 χ^2/NDF: 2836489.1/35

All: 851.447+/-0.092 χ^2/NDF: 6199977.5/73

- sign 833.699+/-0.128 χ^2/NDF: 3323920.4/37

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 173.648+/-41.170 χ^2/NDF:24.0/19

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

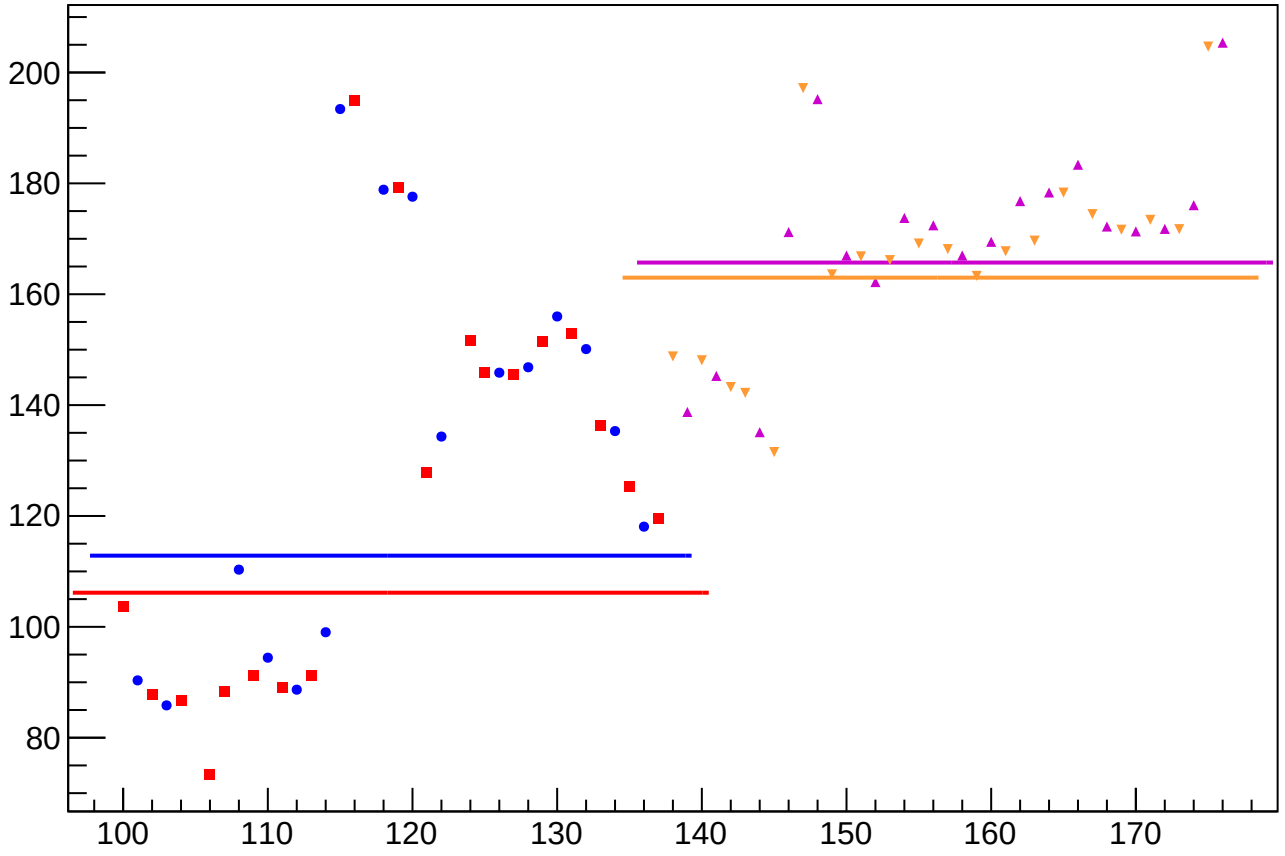
Left In: -205.020+/-42.323 χ^2/NDF:19.4/18

+ sign 104.771+/-29.882 χ^2/NDF: 43.5/35

All: -23.288+/-20.912 χ^2/NDF: 114.2/73

- sign -146.207+/-29.276 χ^2/NDF: 34.8/37

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 162.992+/-0.029 χ^2/NDF:333280.5/19

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

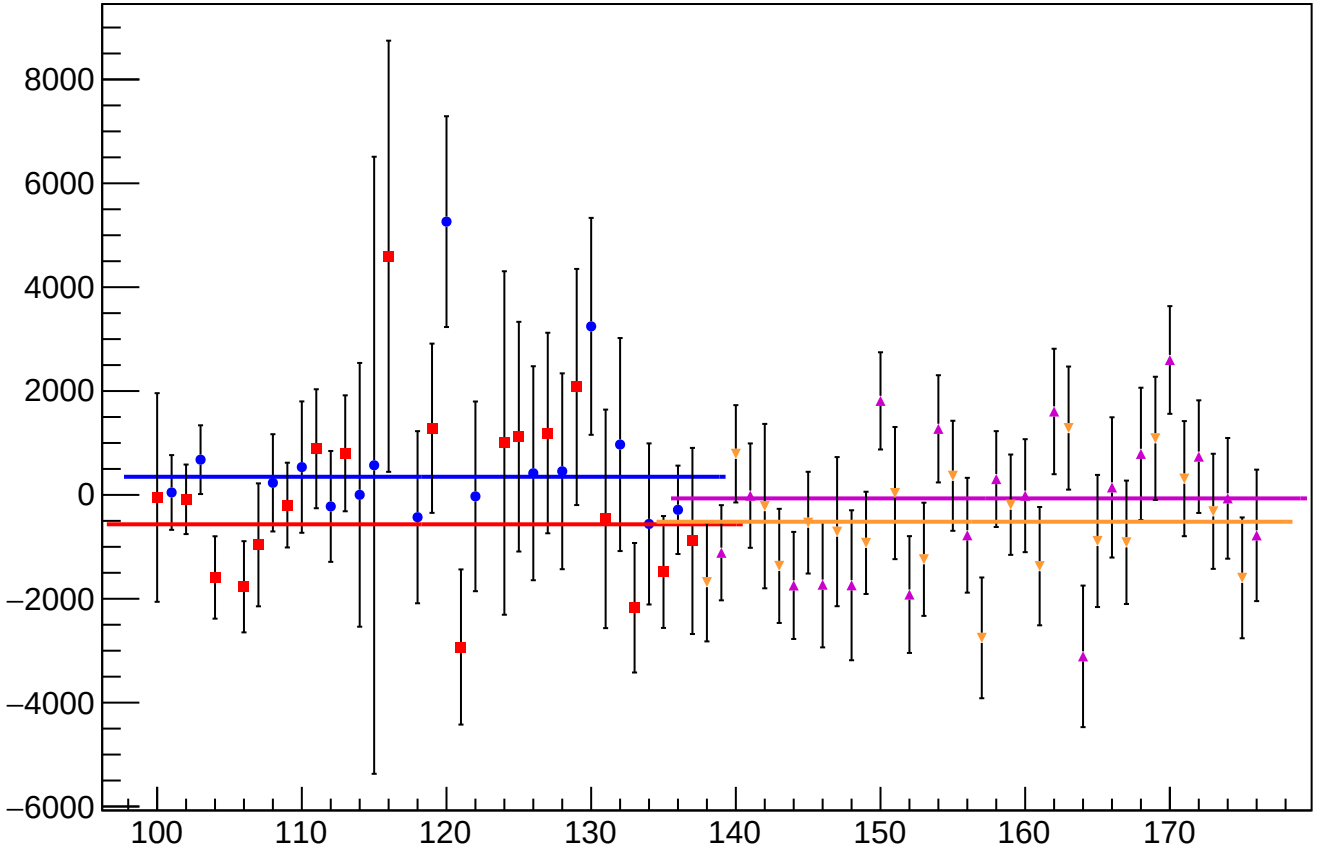
Left In: 165.713+/-0.030 χ^2/NDF:322841.6/18

+ sign 139.261+/-0.021 χ^2/NDF: 2609751.5/35

All: 136.910+/-0.015 χ^2/NDF: 6024247.0/73

- sign 134.654+/-0.021 χ^2/NDF: 3390239.2/37

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -516.650+/-252.041 χ^2/NDF:15.3/19

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

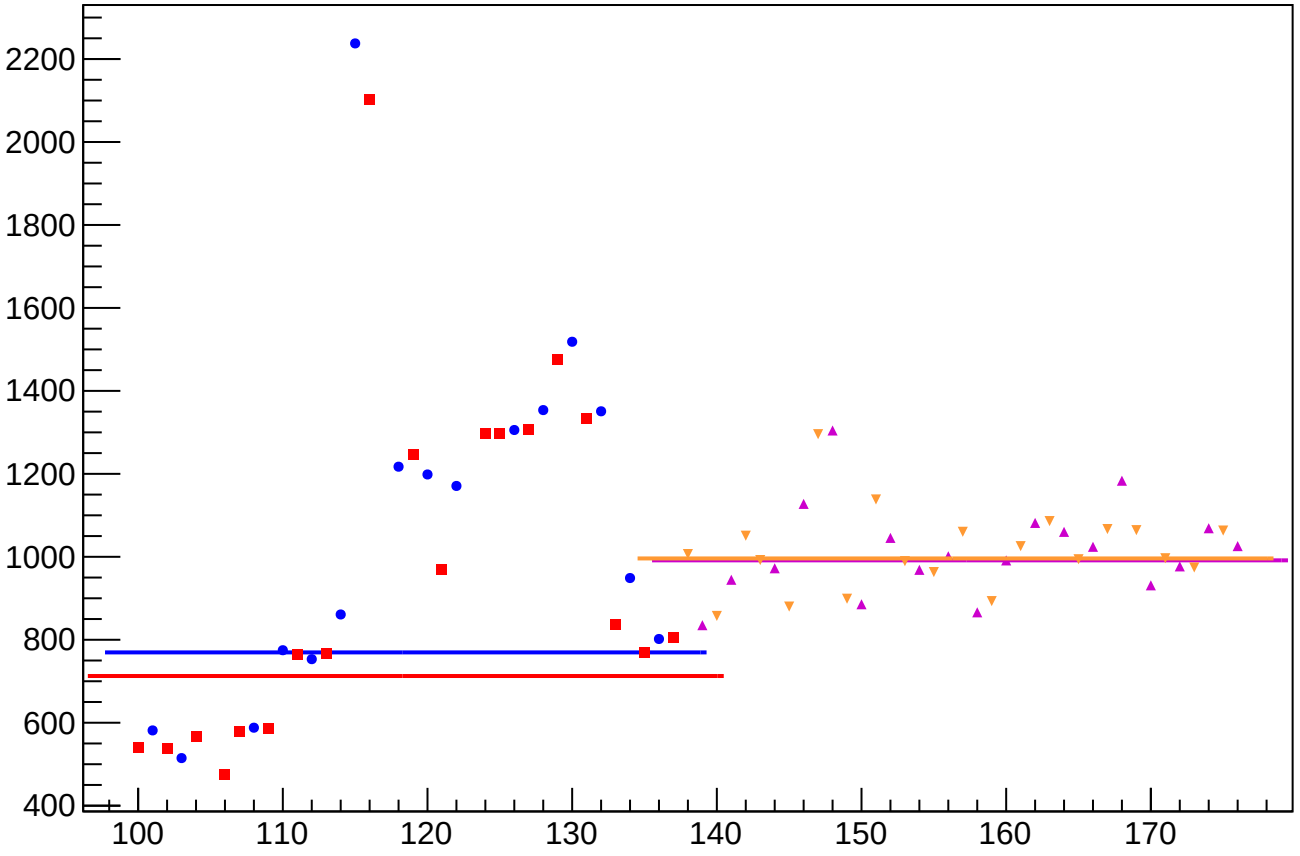
Left In: -67.305+/-253.761 χ^2/NDF:31.0/18

\+ sign -165.790+/-194.372 χ^2/NDF: 29.9/35

All: -231.532+/-135.056 χ^2/NDF: 81.2/73

\- sign -292.899+/-187.793 χ^2/NDF: 51.1/37

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 996.066+/-0.178 χ^2/NDF:270779.9/19

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

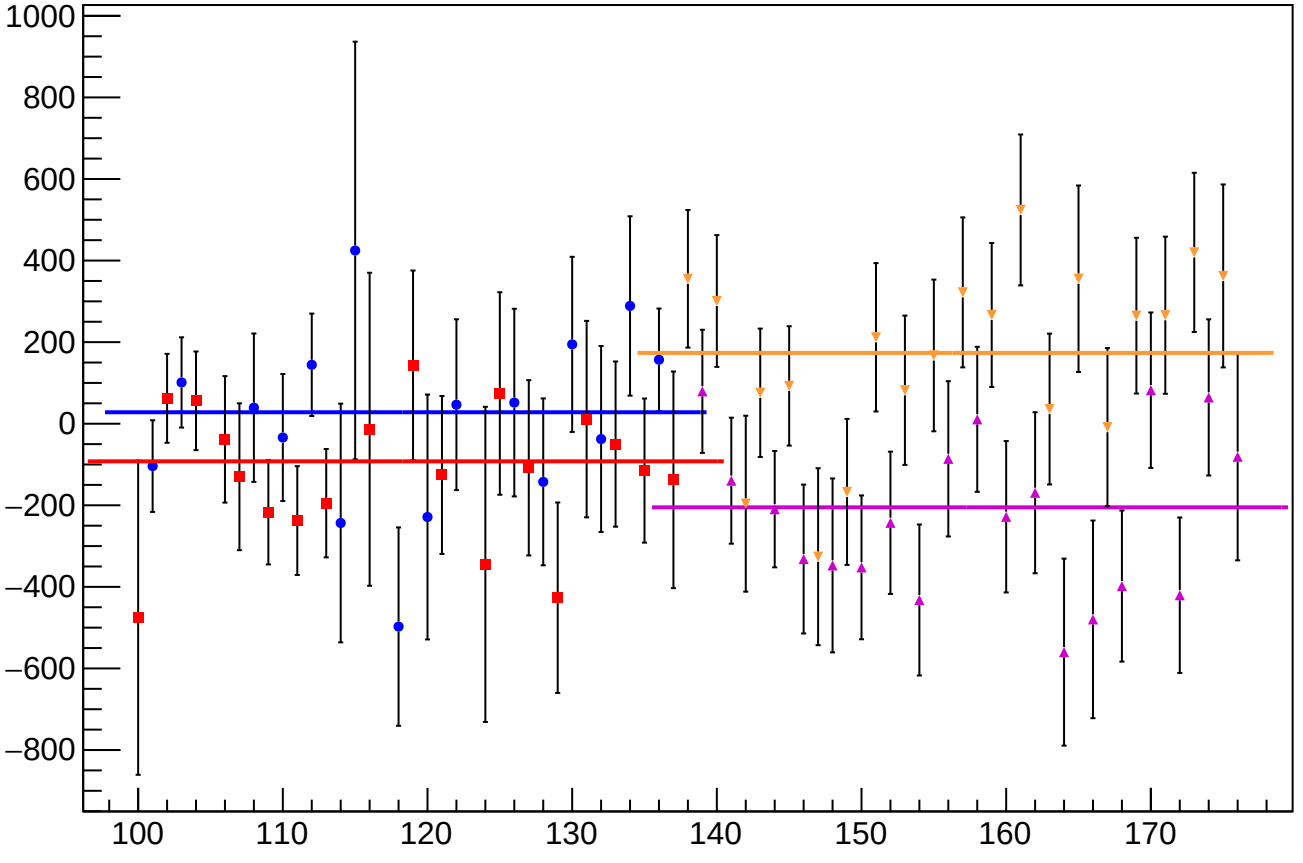
Left In: 991.474+/-0.179 χ^2/NDF:331112.8/18

\+ sign 904.271+/-0.137 χ^2/NDF: 2665342.7/35

All: 884.135+/-0.095 χ^2/NDF: 5897568.5/73

\- sign 865.340+/-0.133 χ^2/NDF: 3190728.5/37

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 173.648+/-41.170 χ^2/NDF:24.0/19

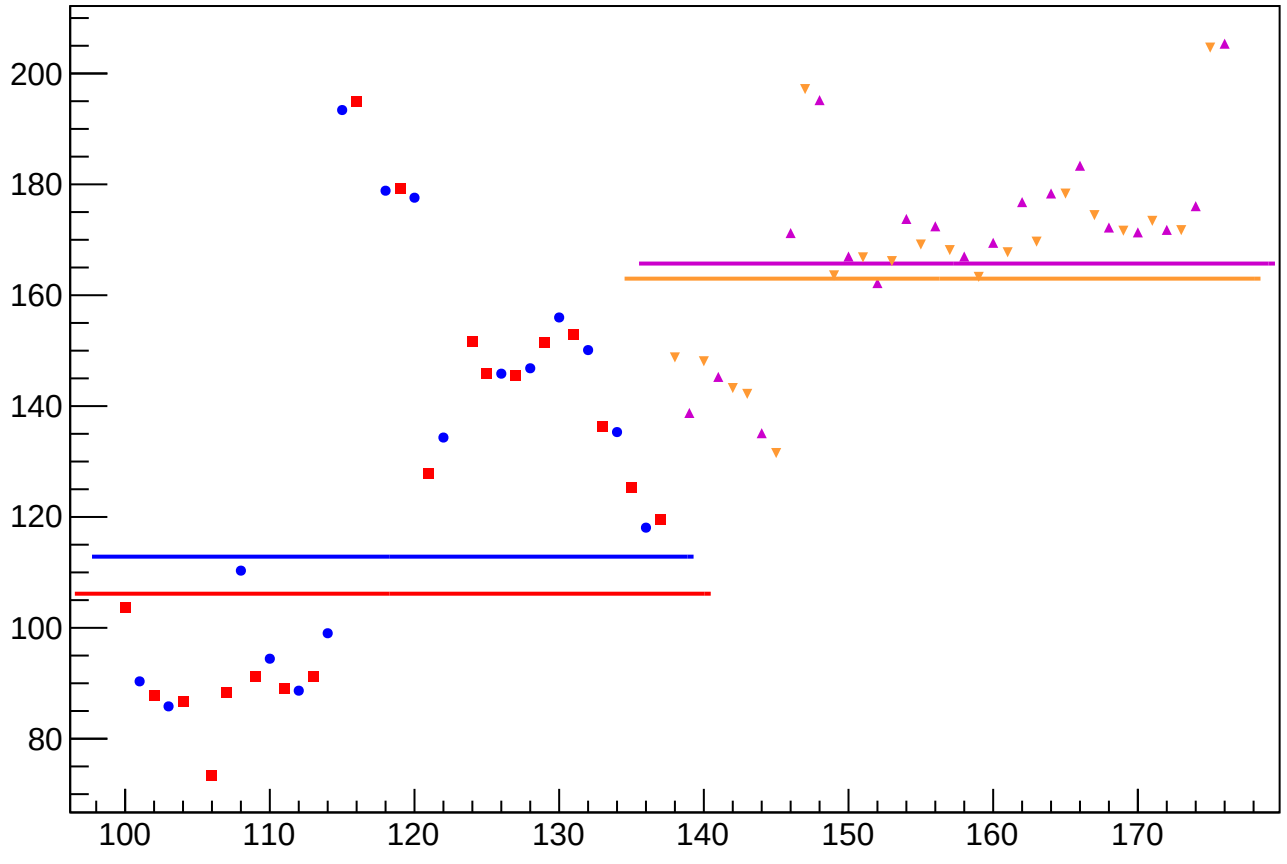
Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: -205.021+/-42.323 χ^2/NDF:19.4/18

+ sign 104.770+/-29.881 χ^2/NDF: 43.5/35

All: -23.288+/-20.912 χ^2/NDF: 114.2/73

- sign -146.207+/-29.276 χ^2/NDF: 34.8/37



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 162.992+/-0.029 χ^2/NDF:333280.1/19

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

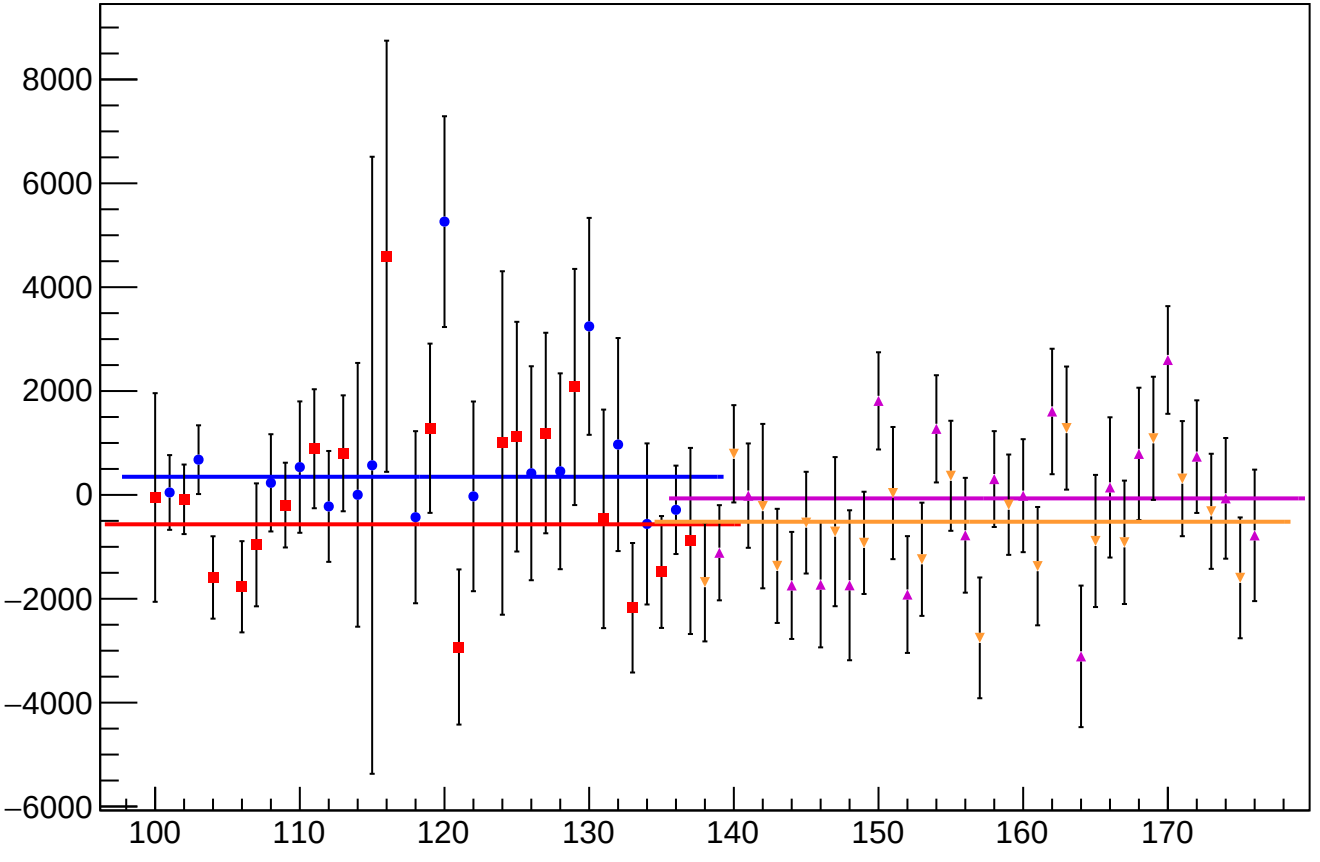
Left In: 165.713+/-0.030 χ^2/NDF:322832.7/18

+ sign 139.261+/-0.021 χ^2/NDF: 2609774.9/35

All: 136.910+/-0.015 χ^2/NDF: 6024284.3/73

- sign 134.654+/-0.021 χ^2/NDF: 3390253.7/37

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -516.650+/-252.041 χ^2/NDF:15.3/19

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

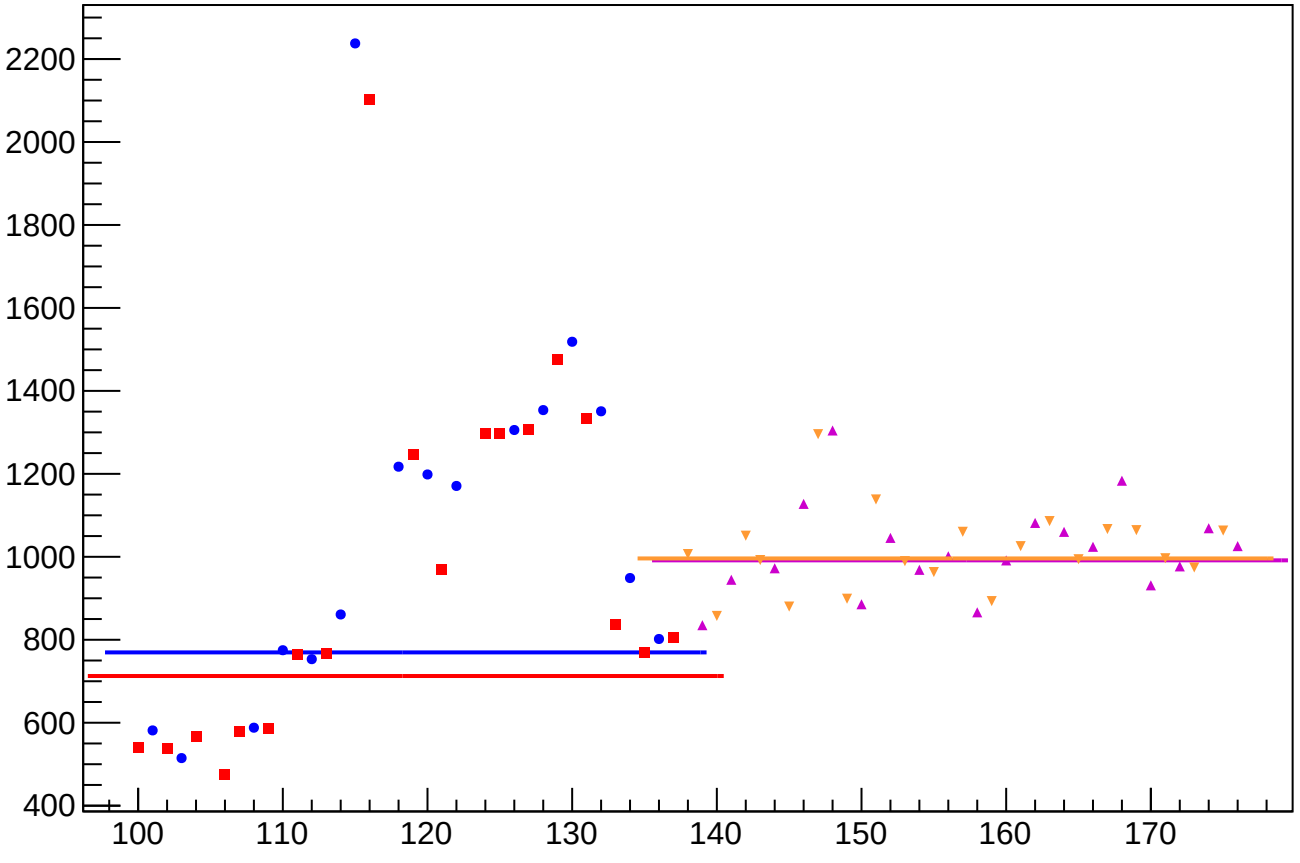
Left In: -67.305+/-253.761 χ^2/NDF:31.0/18

\+ sign -165.789+/-194.372 χ^2/NDF: 29.9/35

All: -231.532+/-135.056 χ^2/NDF: 81.2/73

\- sign -292.900+/-187.793 χ^2/NDF: 51.1/37

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 996.068+/-0.178 χ^2/NDF:270778.9/19

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

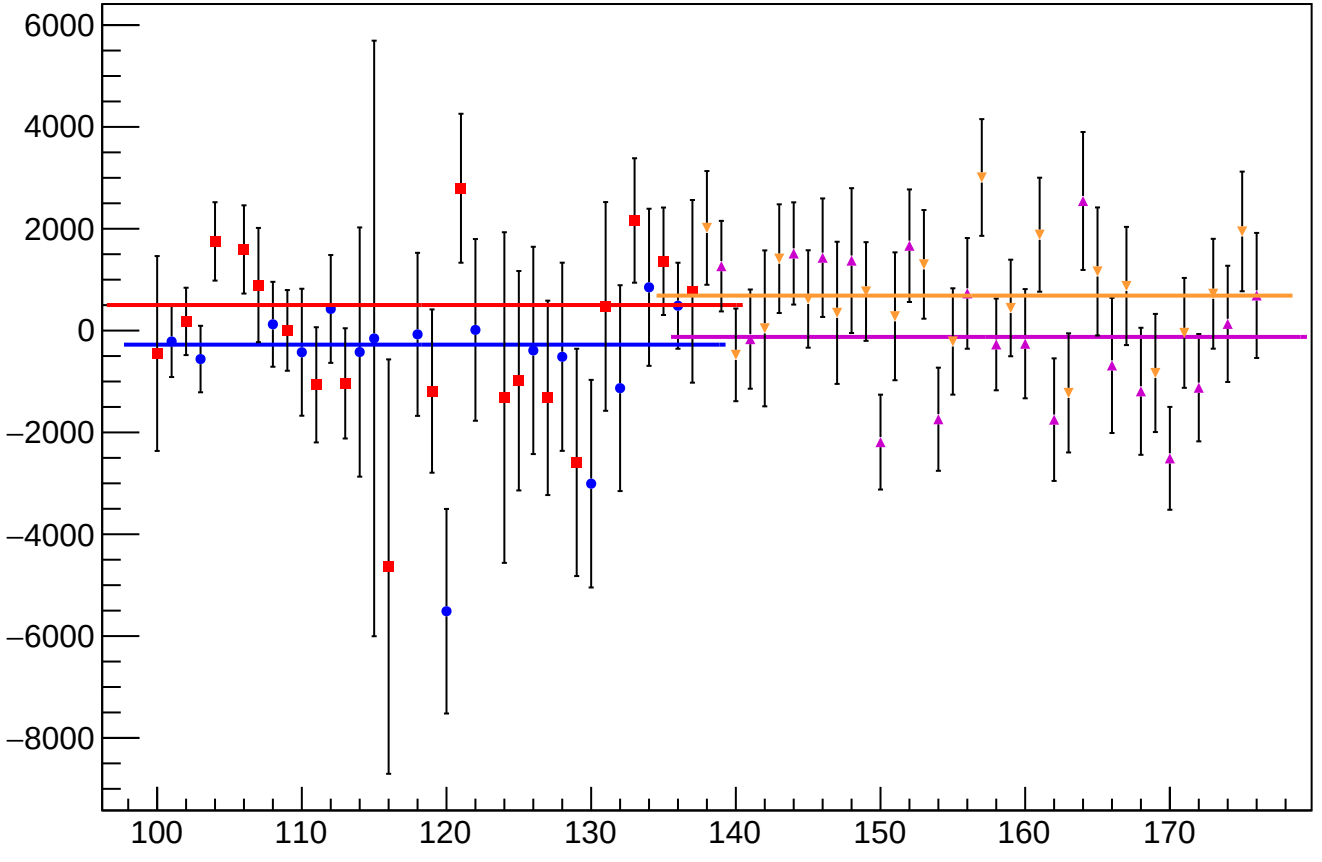
Left In: 991.476+/-0.179 χ^2/NDF:331111.8/18

+ sign 904.271+/-0.137 χ^2/NDF: 2665354.2/35

All: 884.135+/-0.095 χ^2/NDF: 5897592.1/73

- sign 865.340+/-0.133 χ^2/NDF: 3190740.1/37

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 686.935+/-247.123 χ^2/NDF:16.4/19

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

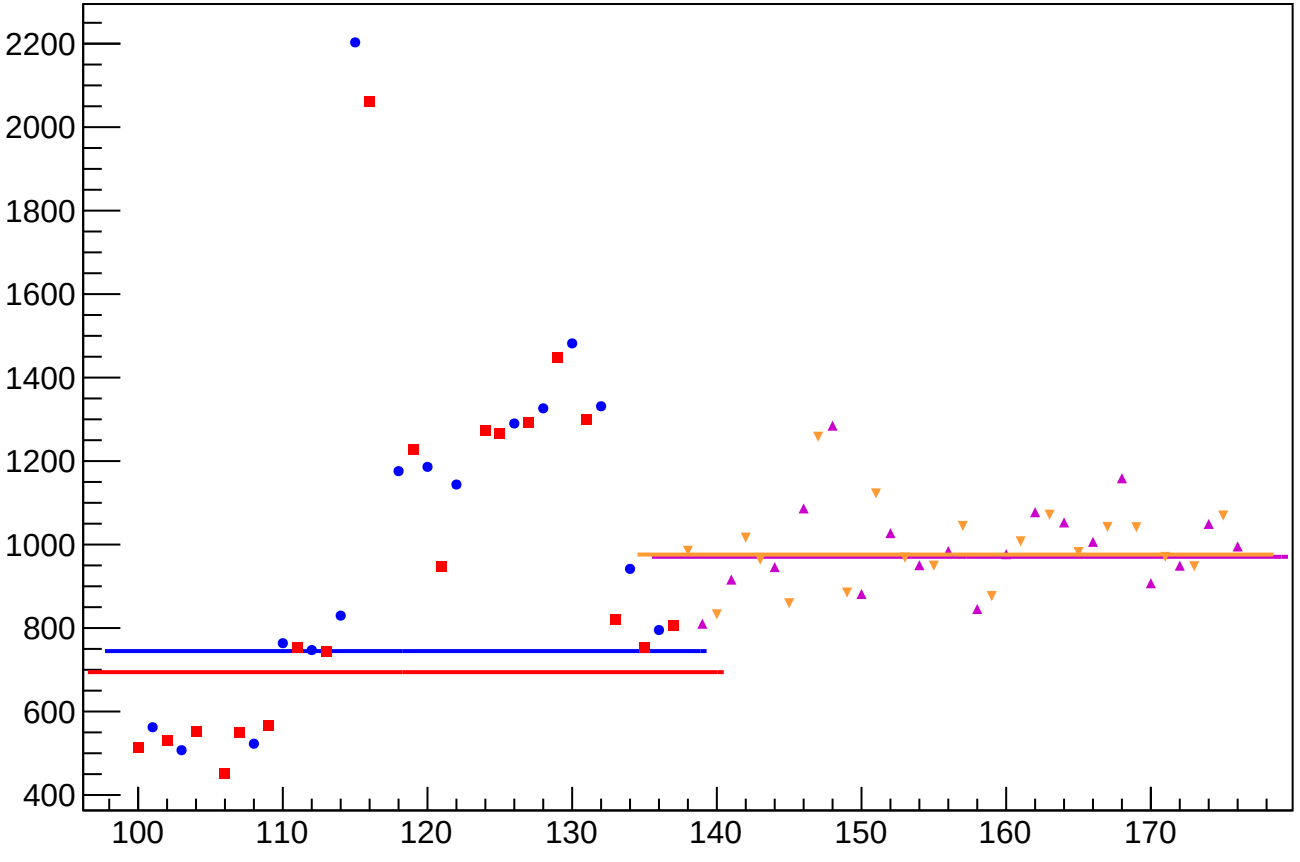
Left In: -124.514+/-248.521 χ^2/NDF:32.3/18

+ sign 292.461+/-189.887 χ^2/NDF: 33.7/35

All: 223.756+/-132.056 χ^2/NDF: 89.6/73

- sign 159.404+/-183.774 χ^2/NDF: 55.7/37

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 976.035+/-0.175 χ^2/NDF:280093.4/19

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

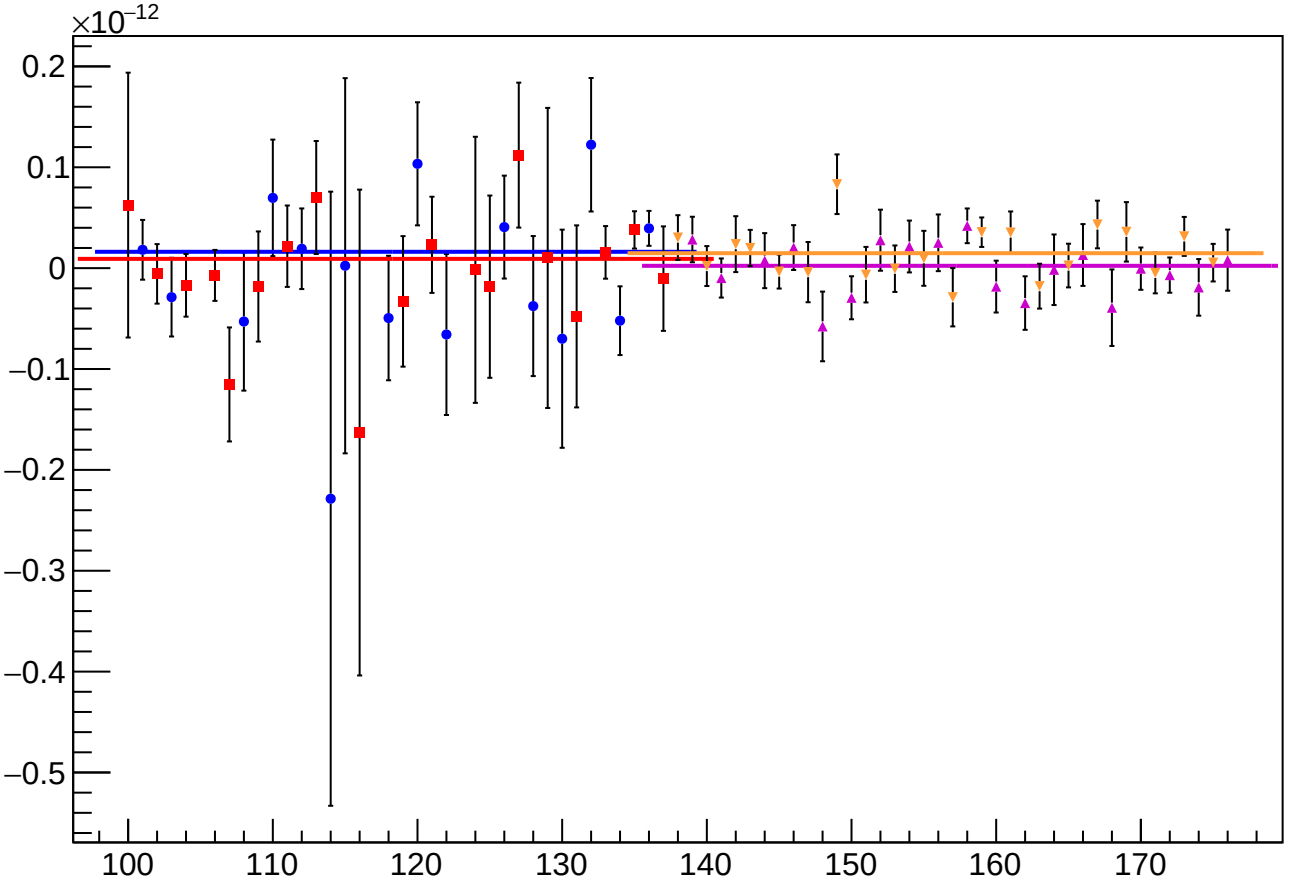
Left In: 970.638+/-0.176 χ^2/NDF:342158.1/18

+ sign 881.320+/-0.134 χ^2/NDF: 2819956.8/35

All: 862.787+/-0.093 χ^2/NDF: 6122982.8/73

- sign 845.428+/-0.130 χ^2/NDF: 3266130.8/37

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

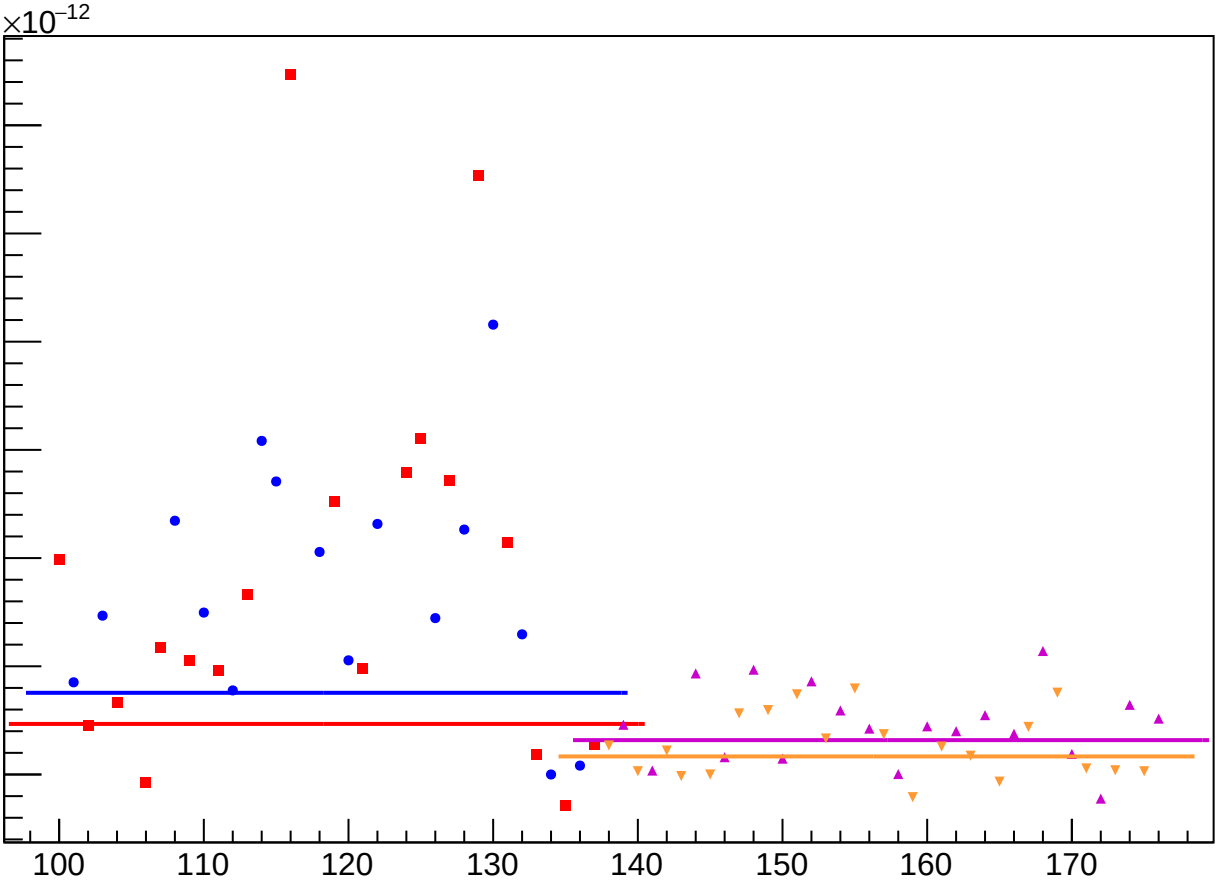
Left In: 0.000+/-0.000 χ^2/NDF:19.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 38.7/35

All: 0.000+/-0.000 χ^2/NDF: 75.7/73

- sign 0.000+/-0.000 χ^2/NDF: 34.2/37

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:637585.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

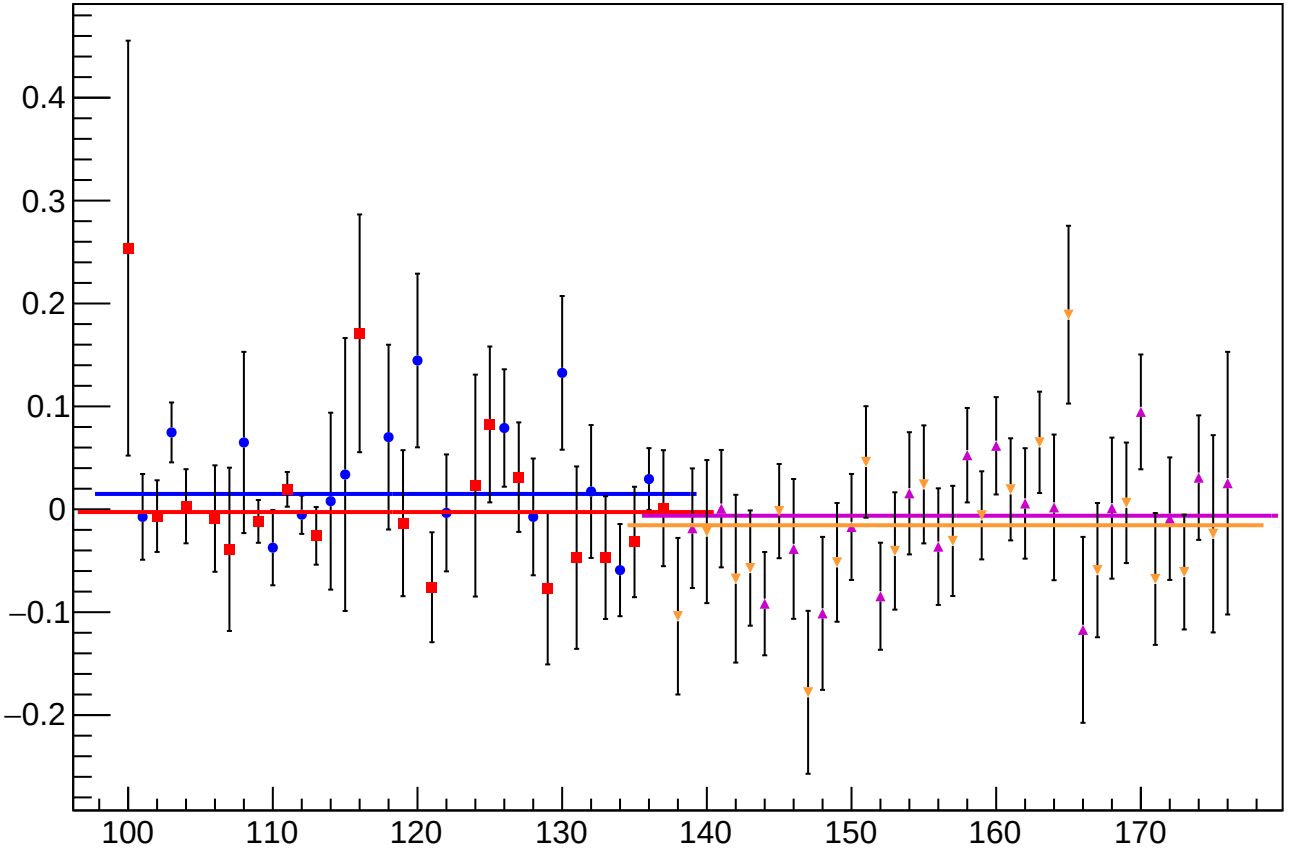
Left In: 0.000+/-0.000 χ^2/NDF:747946.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 2297023.5/35

All: 0.000+/-0.000 χ^2/NDF: 4862088.2/73

- sign 0.000+/-0.000 χ^2/NDF: 2527097.5/37

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

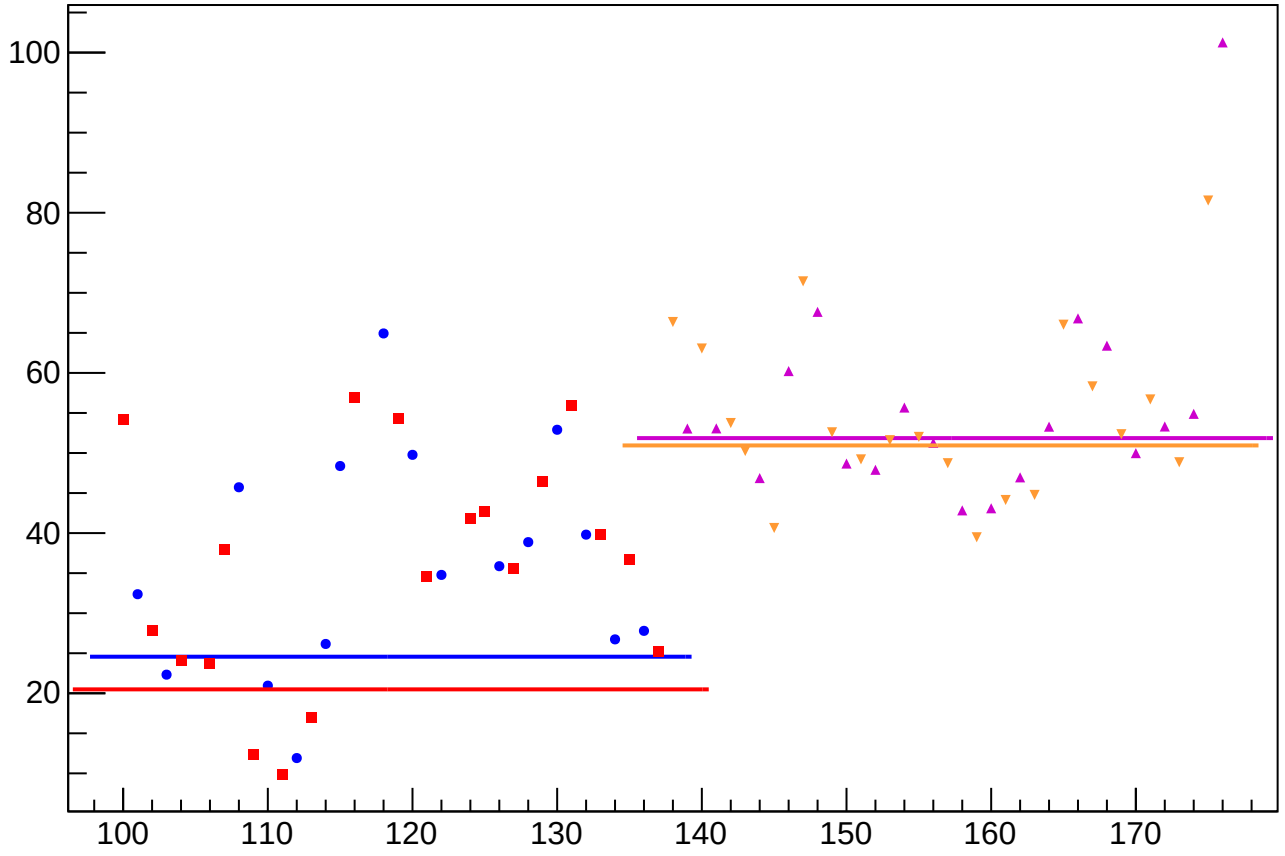
Left In: -0.006+/-0.014 χ^2/NDF:16.5/18

+ sign 0.003+/-0.008 χ^2/NDF: 40.8/35

All: -0.001+/-0.006 χ^2/NDF: 70.2/73

- sign -0.004+/-0.008 χ^2/NDF: 29.0/37

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911564.7/19

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

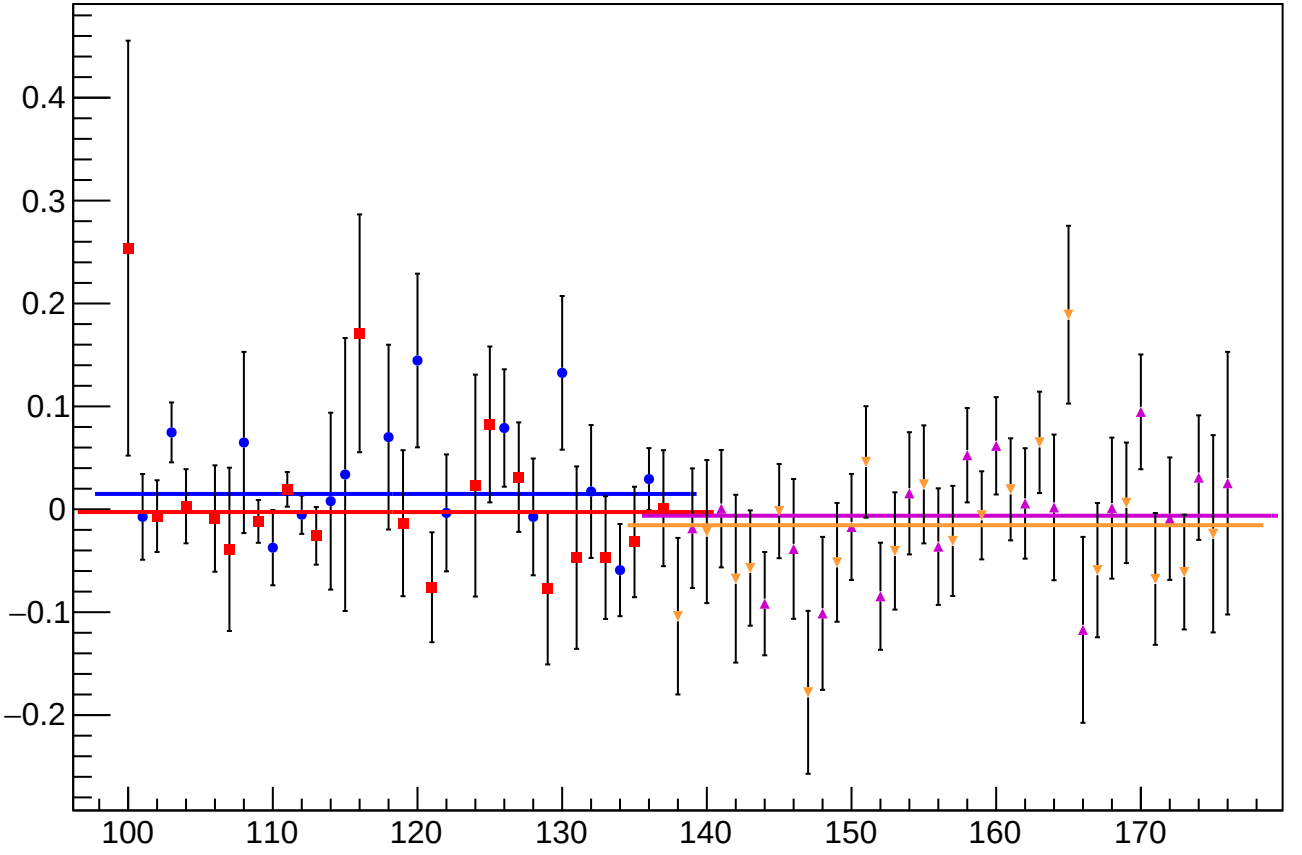
Left In: 51.861+/-0.010 χ^2/NDF:752620.2/18

+ sign 34.944+/-0.006 χ^2/NDF: 8280913.2/35

All: 32.530+/-0.004 χ^2/NDF: 20292632.3/73

- sign 30.469+/-0.005 χ^2/NDF: 11693881.5/37

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

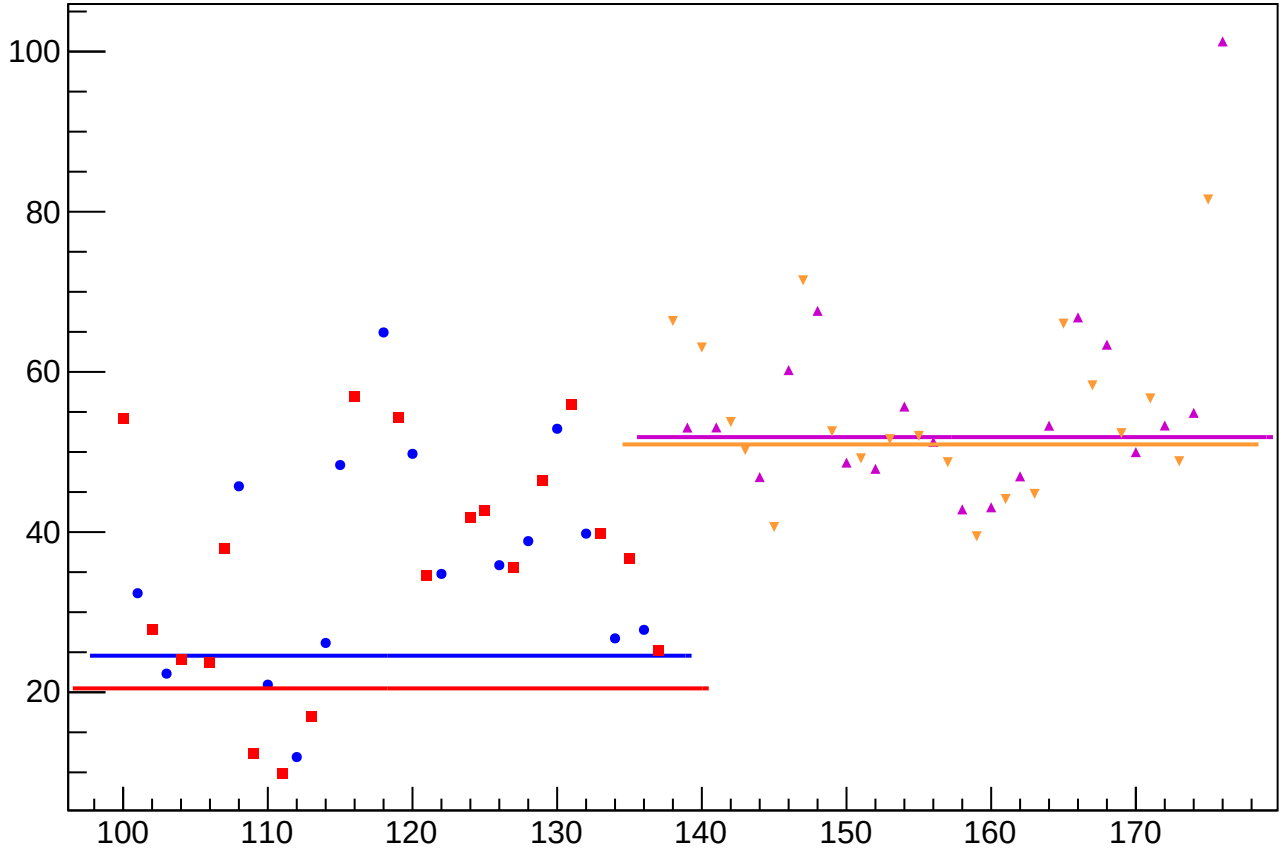
Left In: -0.006+/-0.014 χ^2/NDF:16.5/18

+ sign 0.003+/-0.008 χ^2/NDF: 40.8/35

All: -0.001+/-0.006 χ^2/NDF: 70.2/73

- sign -0.004+/-0.008 χ^2/NDF: 29.0/37

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911564.7/19

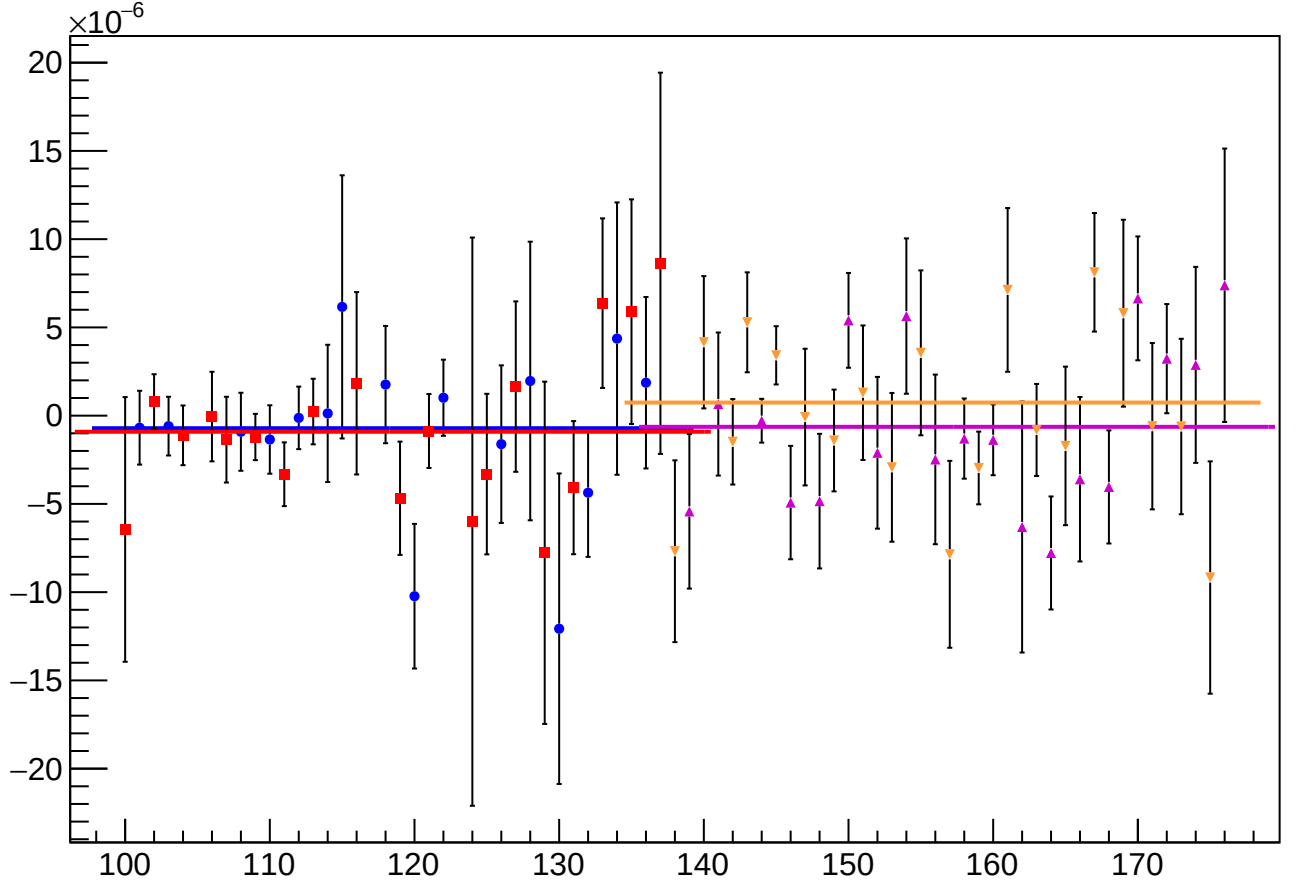
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.861+/-0.010 χ^2/NDF:752620.2/18

+ sign 34.944+/-0.006 χ^2/NDF: 8280913.2/35

All: 32.530+/-0.004 χ^2/NDF: 20292632.3/73

- sign 30.469+/-0.005 χ^2/NDF: 11693881.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/19

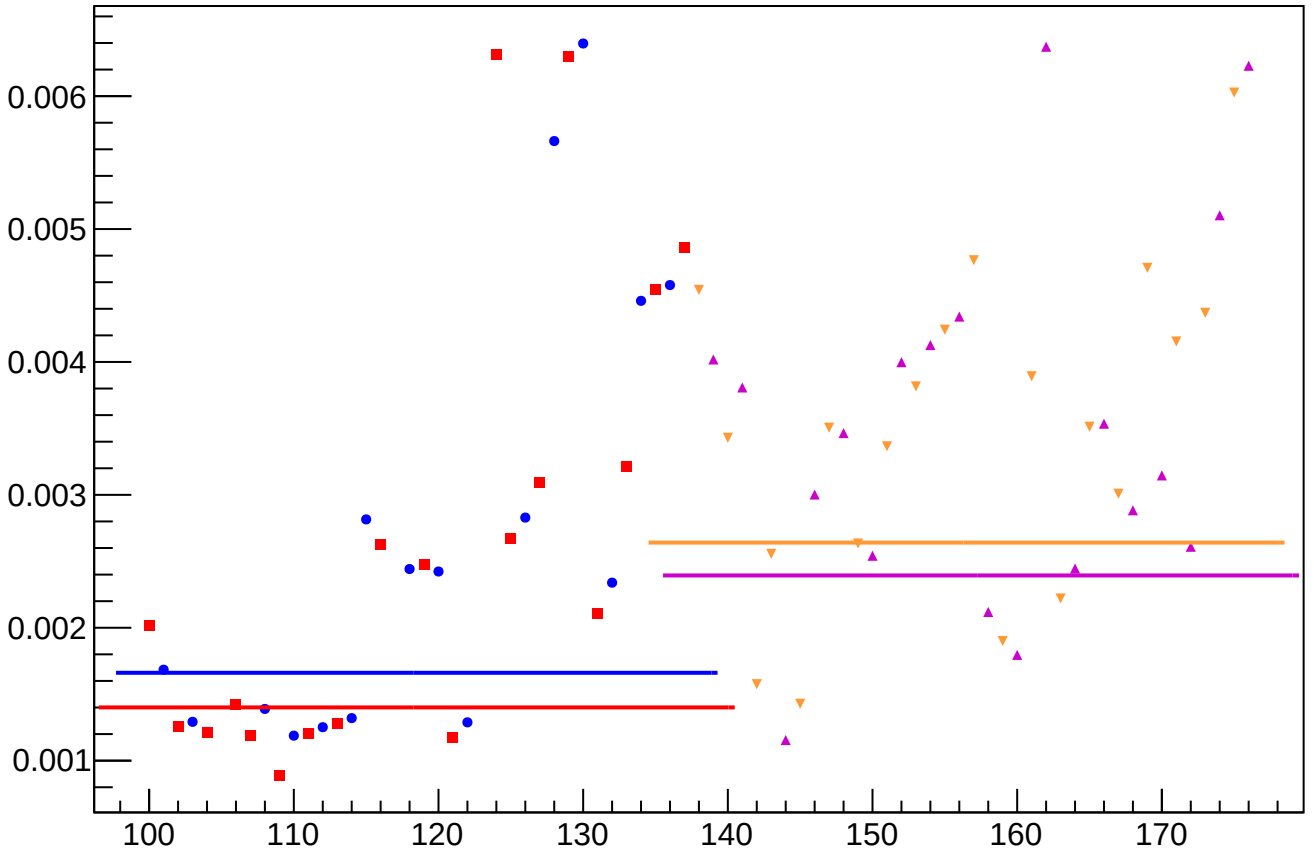
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: -0.000+/-0.000 χ^2/NDF:26.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 41.2/35

All: -0.000+/-0.000 χ^2/NDF: 80.9/73

- sign -0.000+/-0.000 χ^2/NDF: 38.4/37



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:4551678.2/19

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

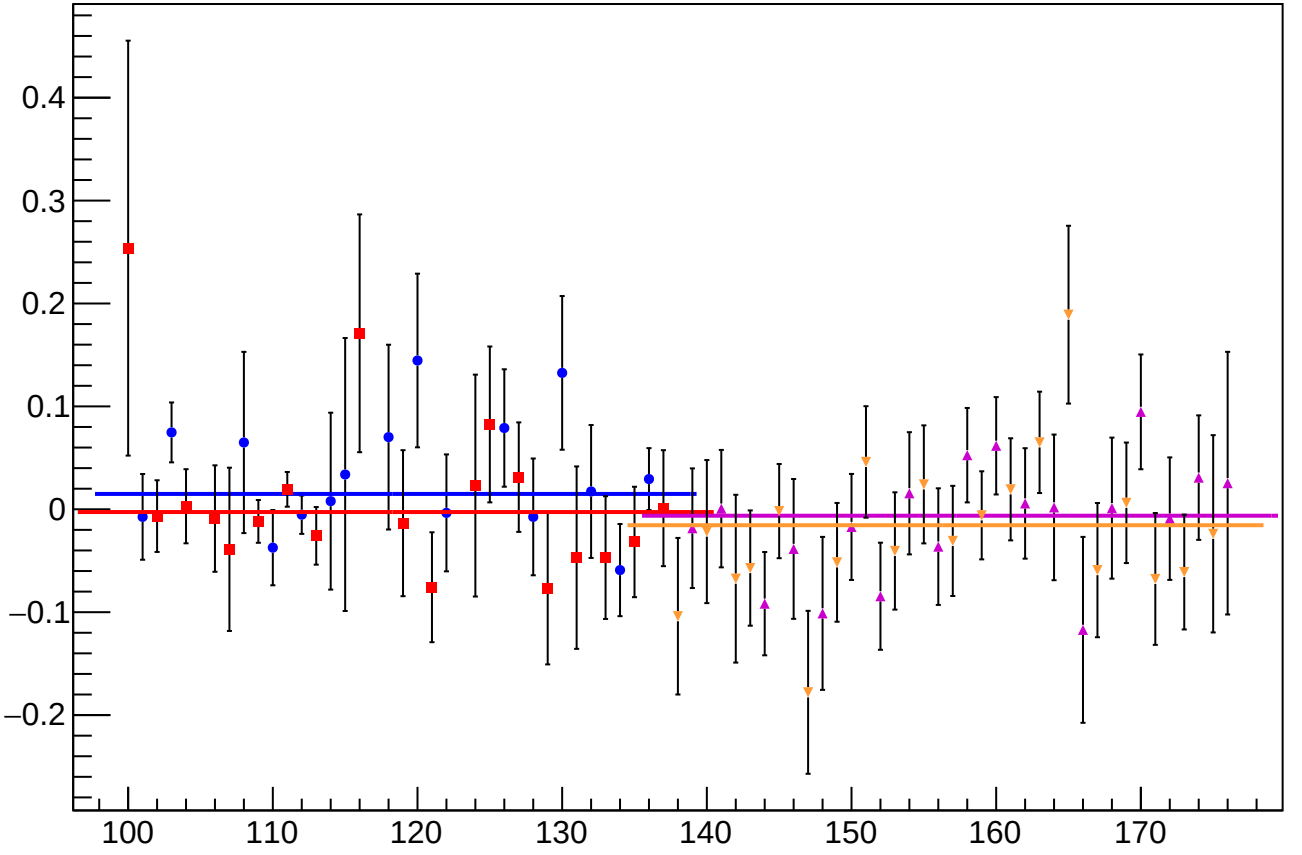
Left In: 0.002+/-0.000 χ^2/NDF:5729720.7/18

+ sign 0.002+/-0.000 χ^2/NDF: 9371394.1/35

All: 0.002+/-0.000 χ^2/NDF: 20866345.7/73

- sign 0.002+/-0.000 χ^2/NDF: 11080571.5/37

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

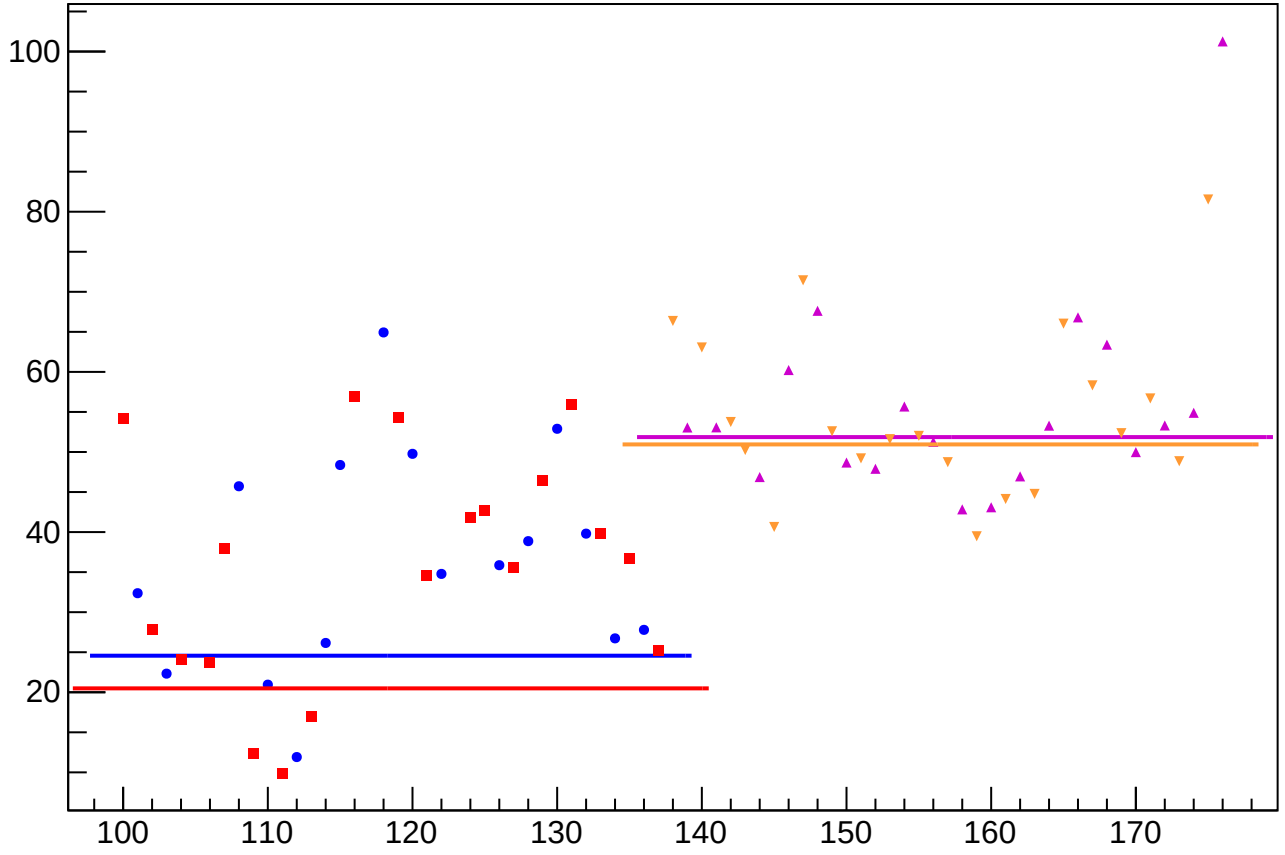
Left In: -0.006+/-0.014 χ^2/NDF:16.5/18

+ sign 0.003+/-0.008 χ^2/NDF: 40.8/35

All: -0.001+/-0.006 χ^2/NDF: 70.2/73

- sign -0.004+/-0.008 χ^2/NDF: 29.0/37

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911696.3/19

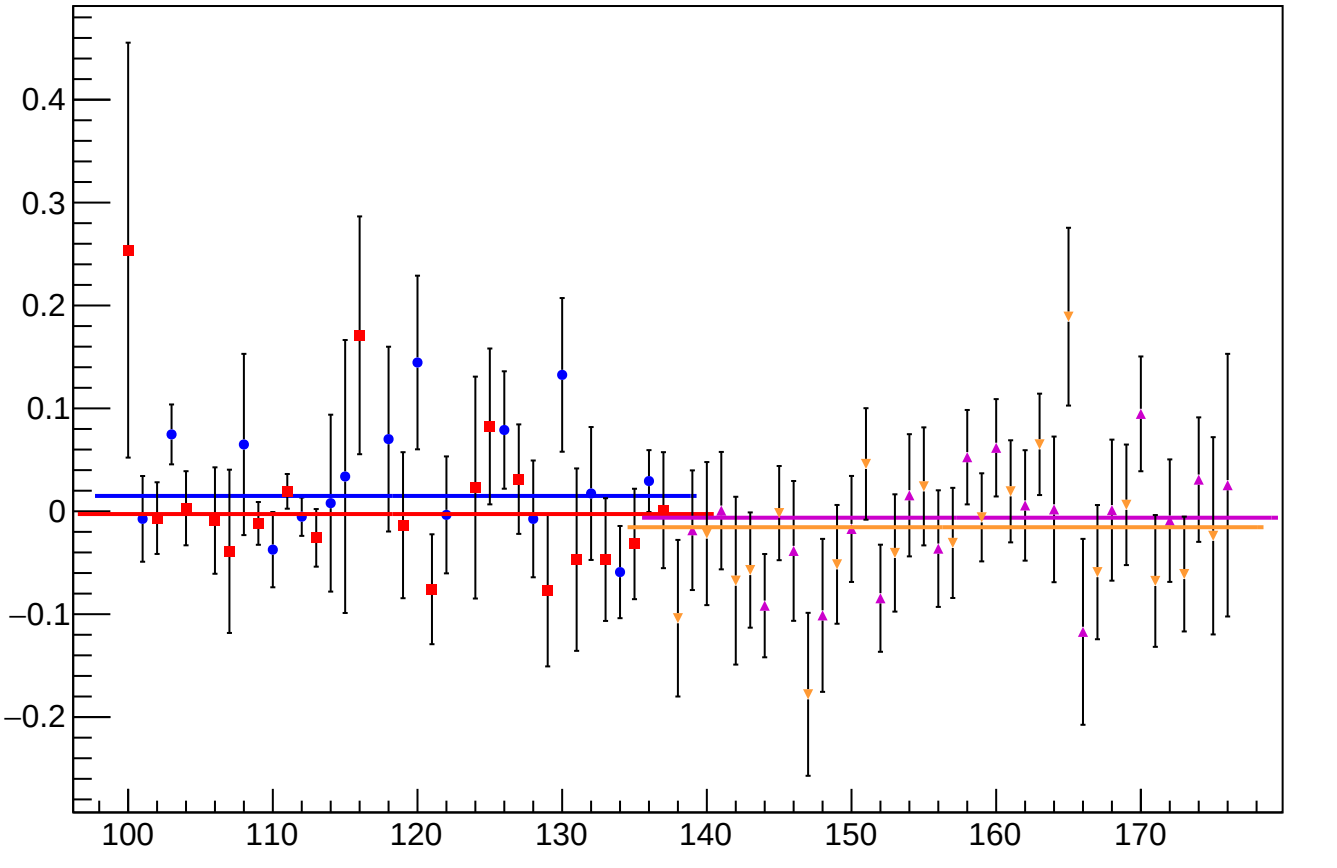
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

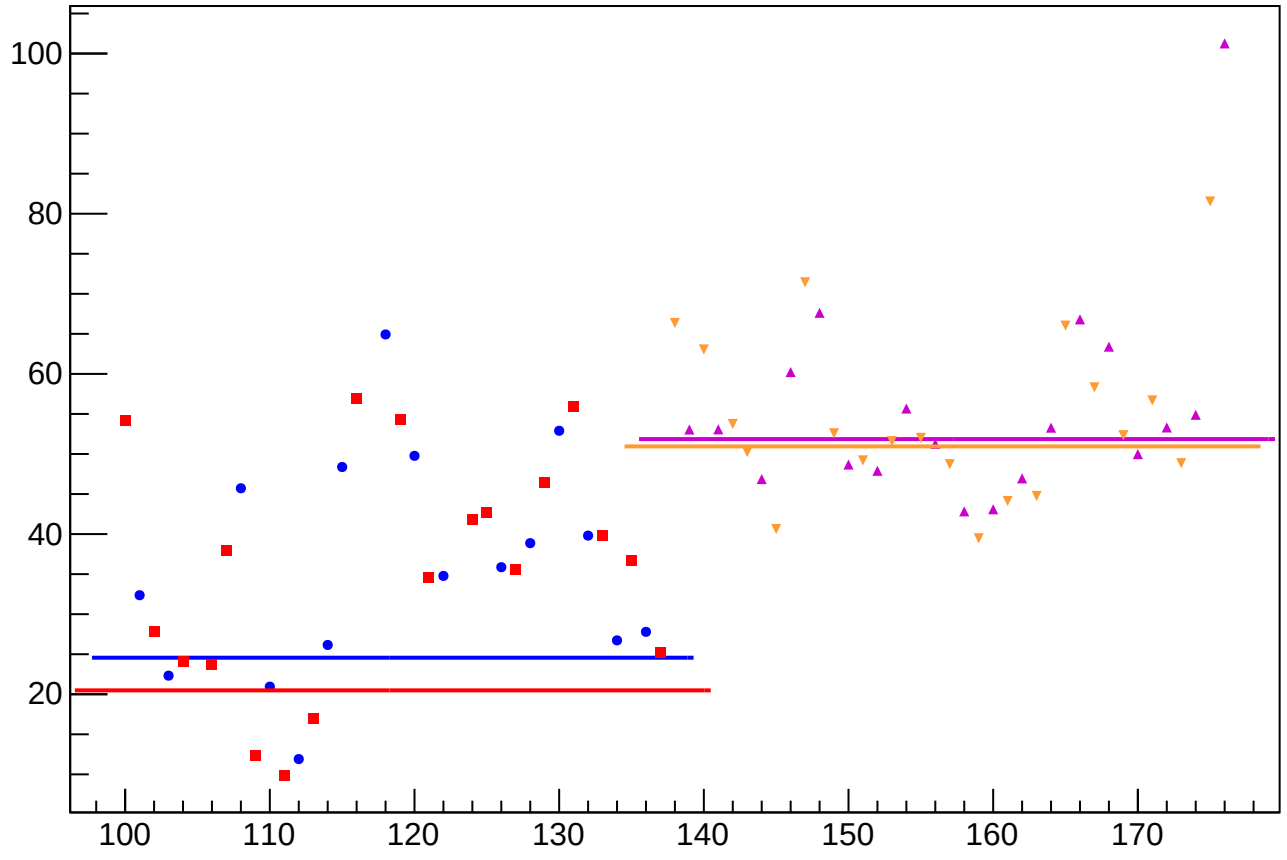
Left In: 51.861+/-0.010 χ^2/NDF:752701.2/18

+ sign 34.943+/-0.006 χ^2/NDF: 8281272.6/35

All: 32.529+/-0.004 χ^2/NDF: 20293459.7/73

- sign 30.468+/-0.005 χ^2/NDF: 11694324.3/37


asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.015+/-0.013 χ²/NDF:19.8/19
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.006+/-0.014 χ²/NDF:16.5/18
+ sign 0.003+/-0.008 χ²/NDF: 40.8/35
All: -0.001+/-0.006 χ²/NDF: 70.2/73
- sign -0.004+/-0.008 χ²/NDF: 29.0/37



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911696.3/19

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

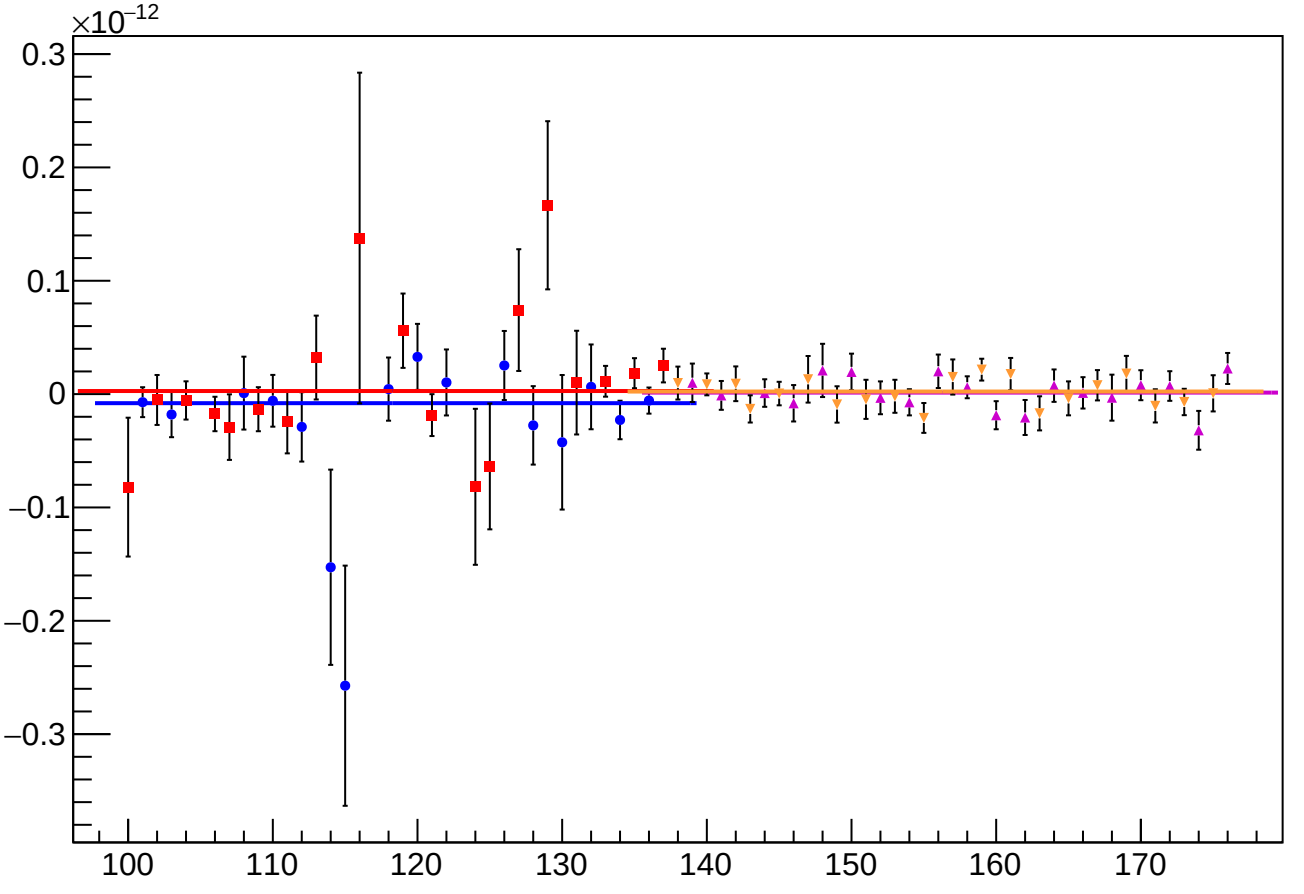
Left In: 51.861+/-0.010 χ^2/NDF:752701.2/18

+ sign 34.943+/-0.006 χ^2/NDF: 8281272.6/35

All: 32.529+/-0.004 χ^2/NDF: 20293459.7/73

- sign 30.468+/-0.005 χ^2/NDF: 11694324.3/37

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:17.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

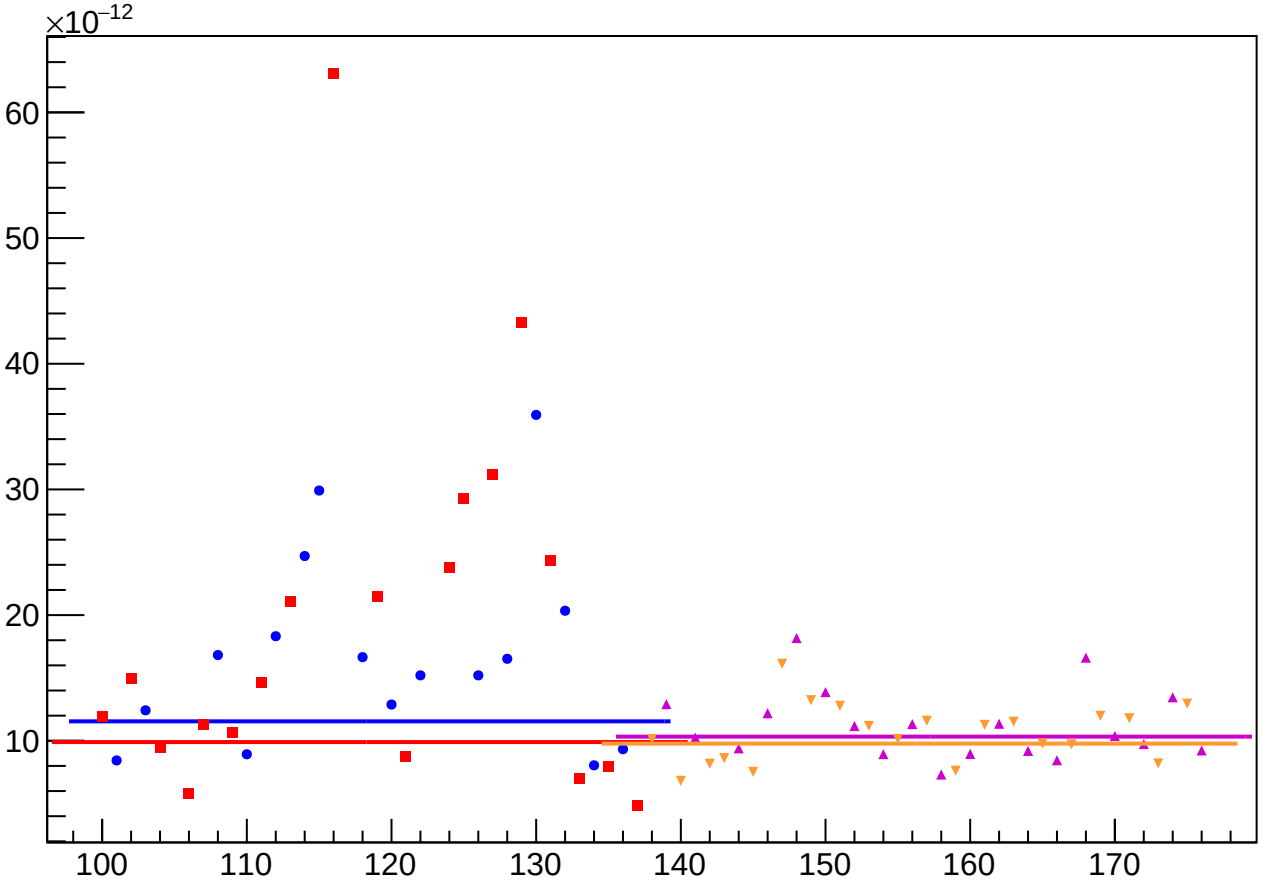
Left In: 0.000+/-0.000 χ^2/NDF:16.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 34.0/35

All: 0.000+/-0.000 χ^2/NDF: 76.9/73

- sign 0.000+/-0.000 χ^2/NDF: 42.8/37

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1058755.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

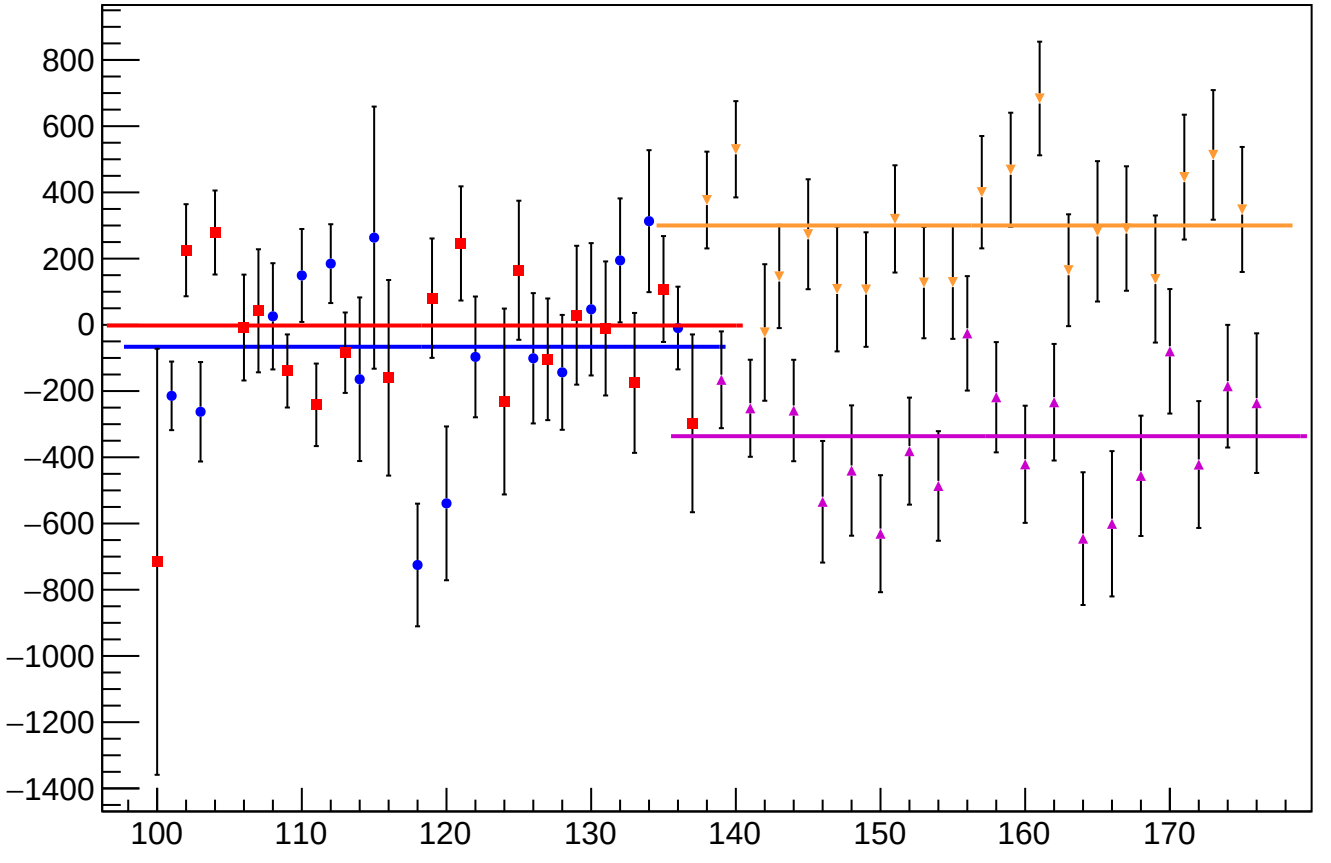
Left In: 0.000+/-0.000 χ^2/NDF:1003237.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 2387014.6/35

All: 0.000+/-0.000 χ^2/NDF: 6036595.5/73

- sign 0.000+/-0.000 χ^2/NDF: 3649093.8/37

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 300.122+/-38.875 χ^2/NDF:20.1/19

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

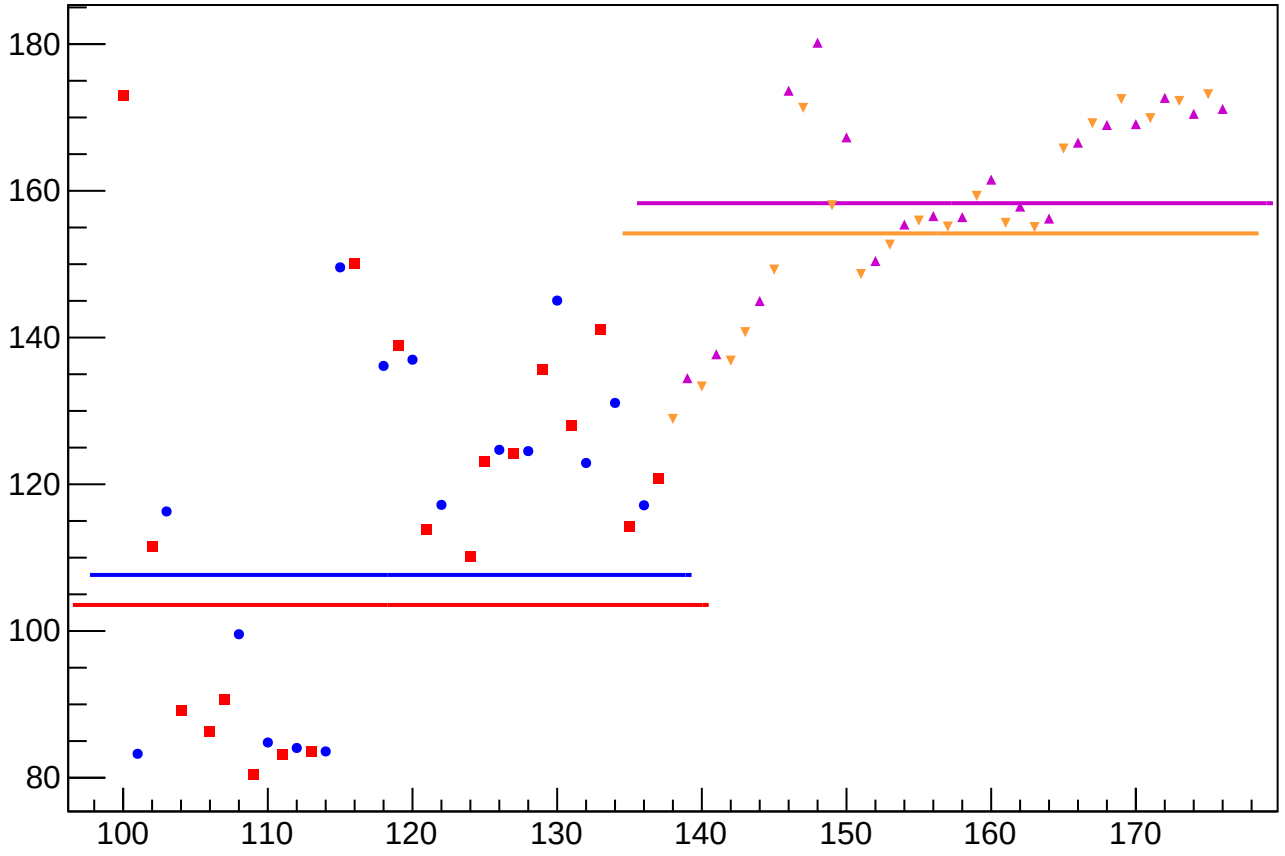
Left In: -336.296+/-40.318 χ^2/NDF:18.6/18

+ sign 126.406+/-28.190 χ^2/NDF: 96.6/35

All: -19.384+/-19.859 χ^2/NDF: 225.1/73

- sign -163.032+/-27.982 χ^2/NDF: 75.3/37

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 154.195+/-0.027 χ^2/NDF:242101.0/19

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

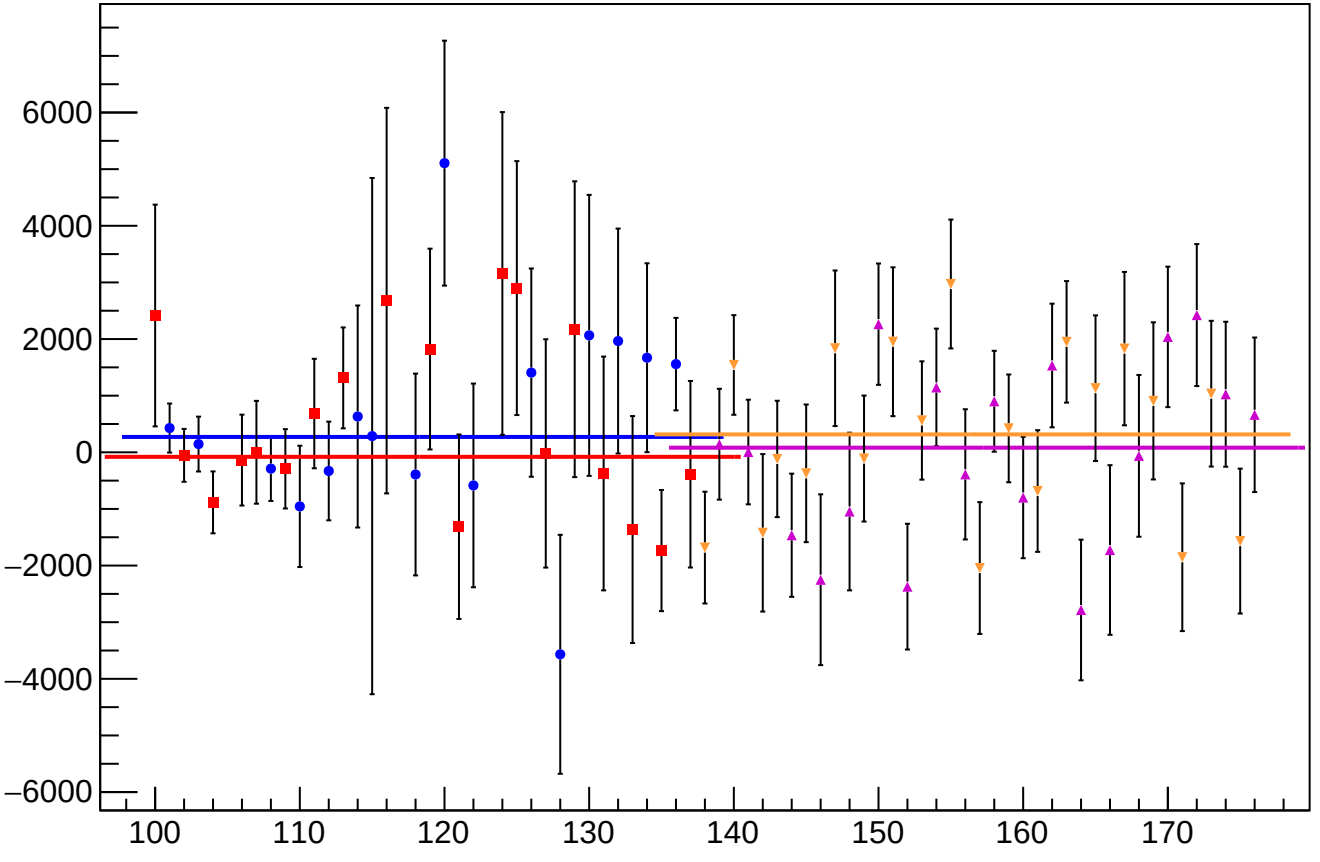
Left In: 158.314+/-0.029 χ^2/NDF:201993.3/18

+ sign 132.122+/-0.020 χ^2/NDF: 2134781.2/35

All: 131.017+/-0.014 χ^2/NDF: 4872875.1/73

- sign 129.929+/-0.020 χ^2/NDF: 2731996.7/37

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 316.480+/-257.218 χ^2/NDF:30.9/19

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

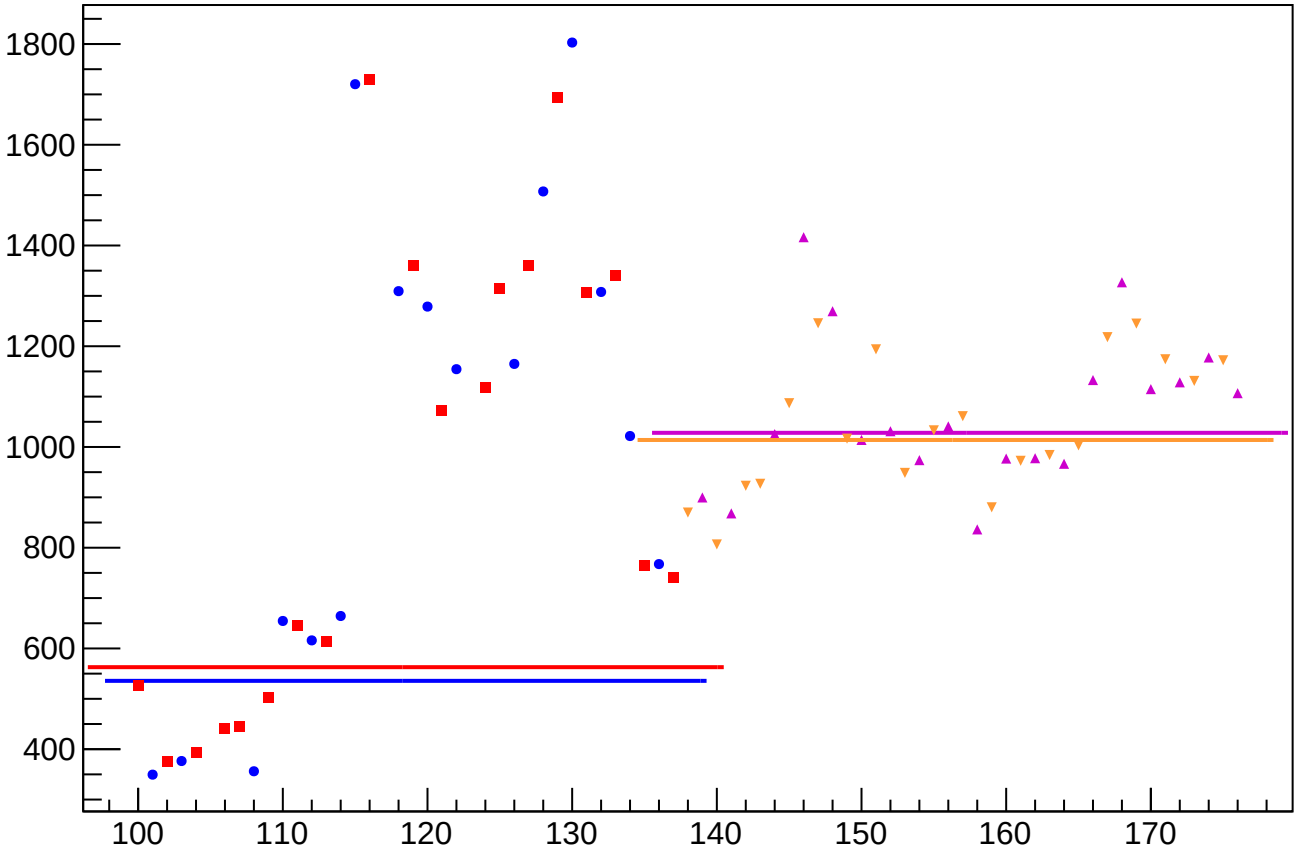
Left In: 81.617+/-263.776 χ^2/NDF:32.1/18

\+ sign 291.552+/-171.727 χ^2/NDF: 47.4/35

All: 143.236+/-122.319 χ^2/NDF: 97.3/73

\- sign -9.508+/-174.271 χ^2/NDF: 48.3/37

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1013.894+/-0.182 χ^2/NDF:512358.4/19

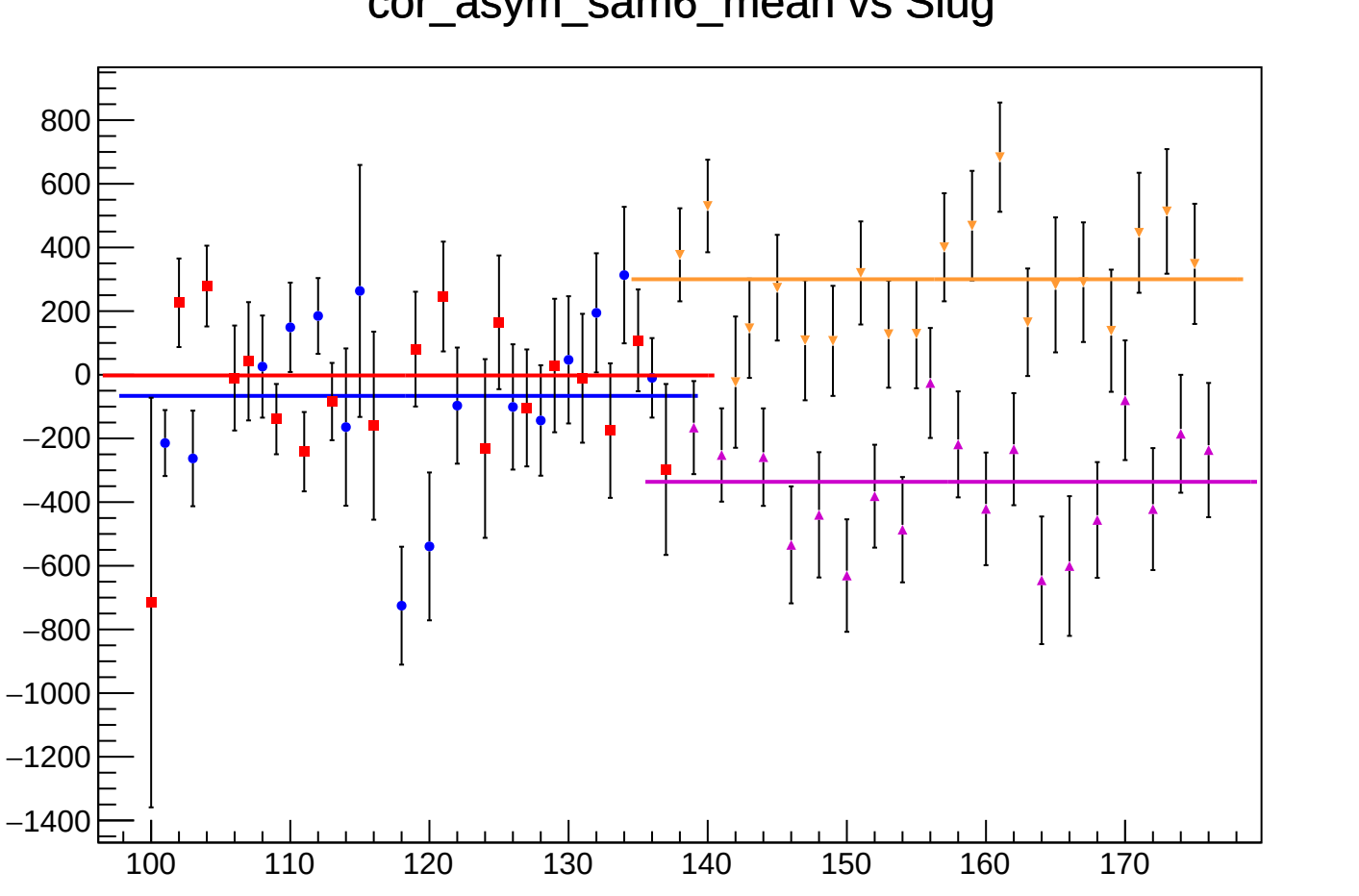
Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1028.117+/-0.187 χ^2/NDF:553416.7/18

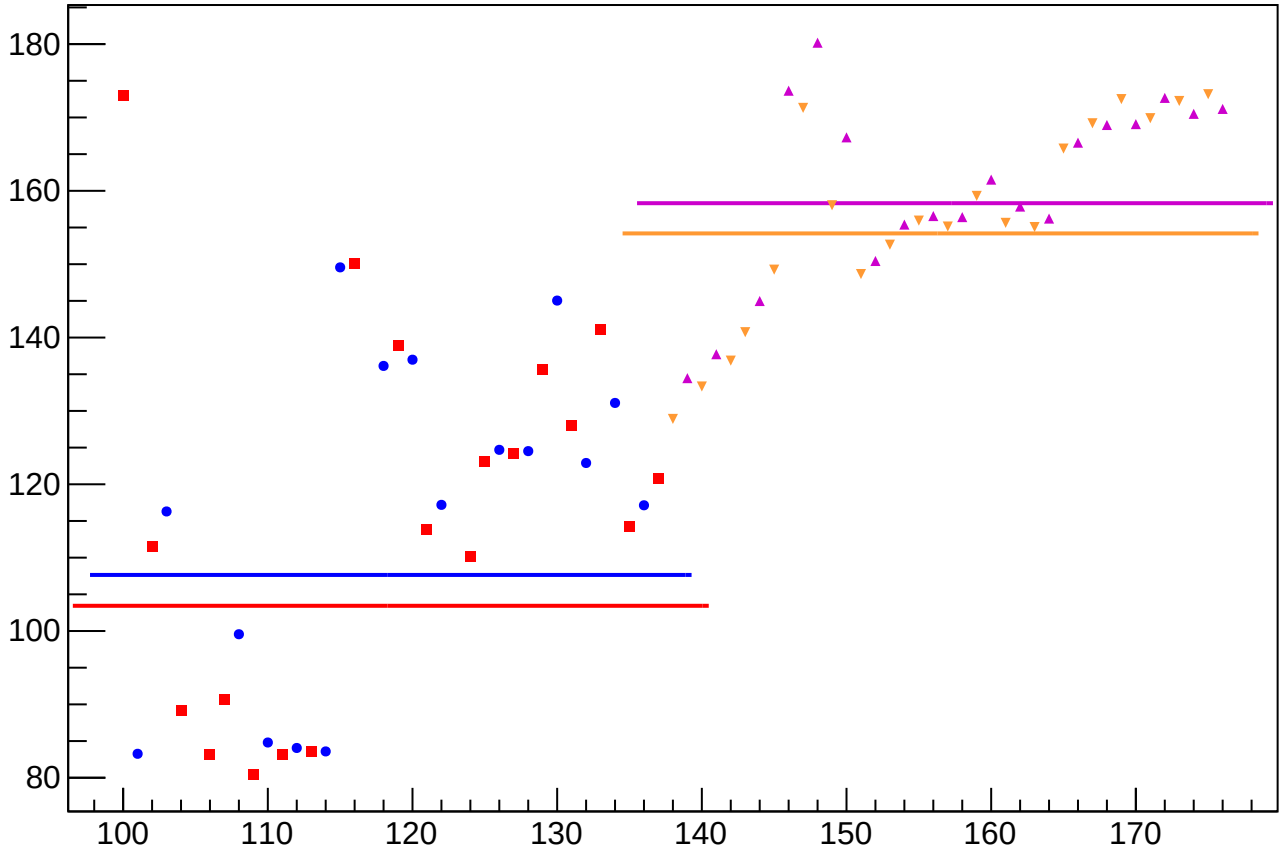
+ sign 748.836+/-0.121 χ^2/NDF: 7976407.0/35

All: 757.259+/-0.086 χ^2/NDF: 15157085.8/73

- sign 765.934+/-0.123 χ^2/NDF: 7170911.8/37


cor_asym_sam6_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
100
110
120
130
140
150
160
170
Right In: -66.256+/-40.937 χ²/NDF: 34.4/15
Left Out: 300.119+/-38.875 χ²/NDF:20.1/19
Right Out: -2.062+/-38.937 χ²/NDF: 21.1/18
Left In: -336.302+/-40.318 χ²/NDF:18.6/18
+ sign 126.392+/-28.190 χ²/NDF: 96.6/35
All: -19.420+/-19.868 χ²/NDF: 225.1/73
- sign -163.359+/-28.008 χ²/NDF: 75.3/37

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.195+/-0.027 χ^2/NDF:242101.0/19

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

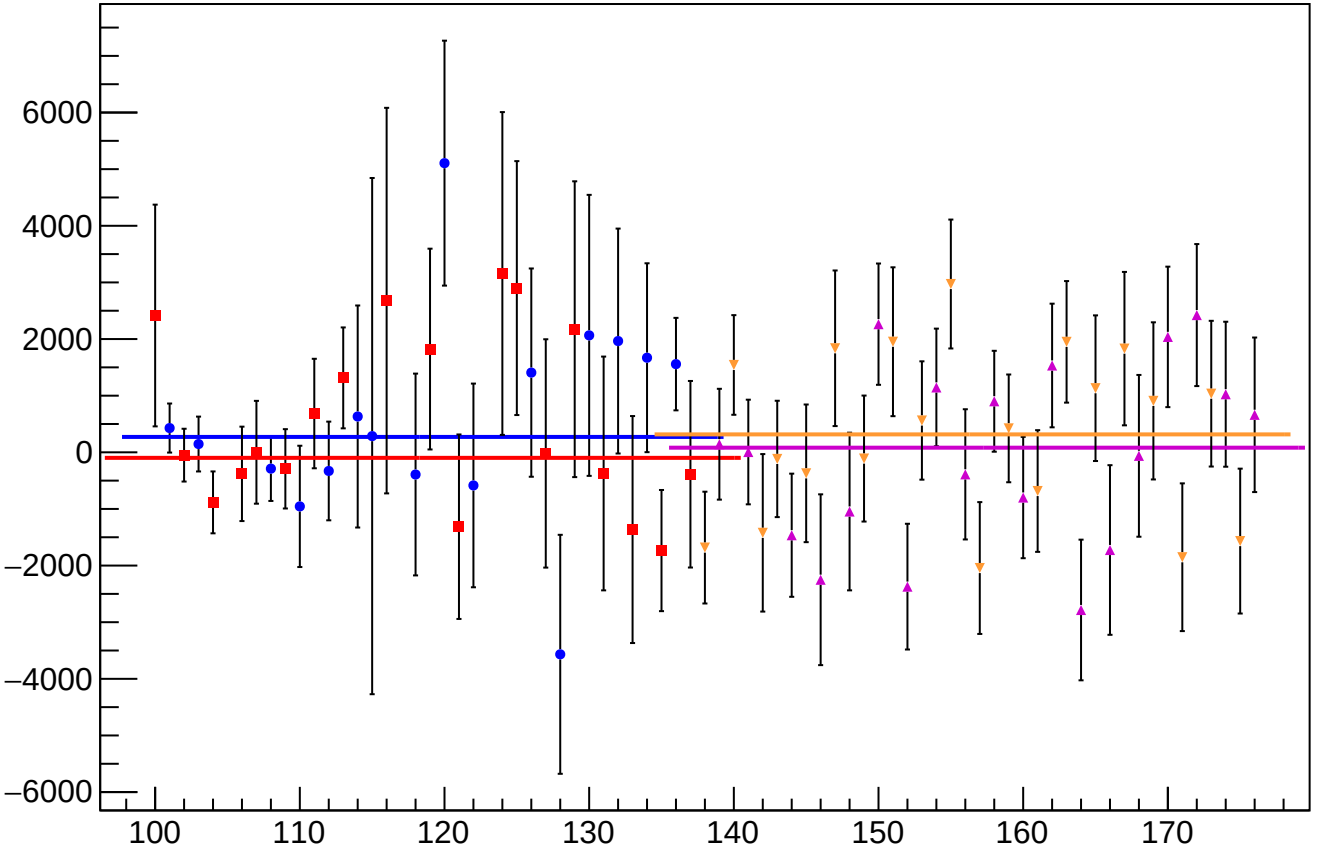
Left In: 158.314+/-0.029 χ^2/NDF:201993.3/18

+ sign 132.122+/-0.020 χ^2/NDF: 2134778.8/35

All: 131.014+/-0.014 χ^2/NDF: 4884819.4/73

- sign 129.920+/-0.020 χ^2/NDF: 2743900.6/37

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 316.485+/-257.218 χ^2/NDF:30.9/19

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

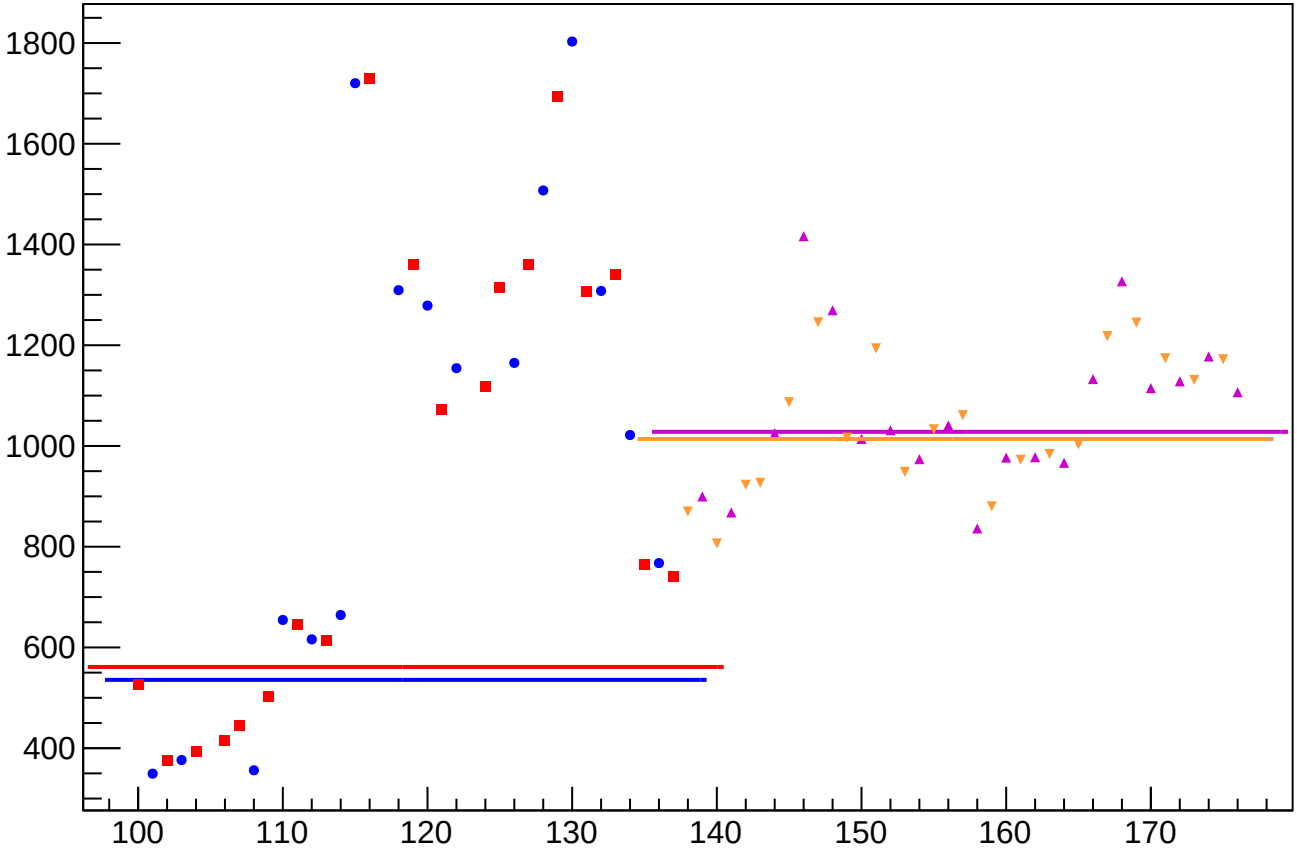
Left In: 81.616+/-263.776 χ^2/NDF:32.1/18

\+ sign 291.631+/-171.724 χ^2/NDF: 47.4/35

All: 138.703+/-122.409 χ^2/NDF: 97.5/73

\- sign -19.274+/-174.536 χ^2/NDF: 48.5/37

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1013.895+/-0.182 χ^2/NDF:512358.1/19

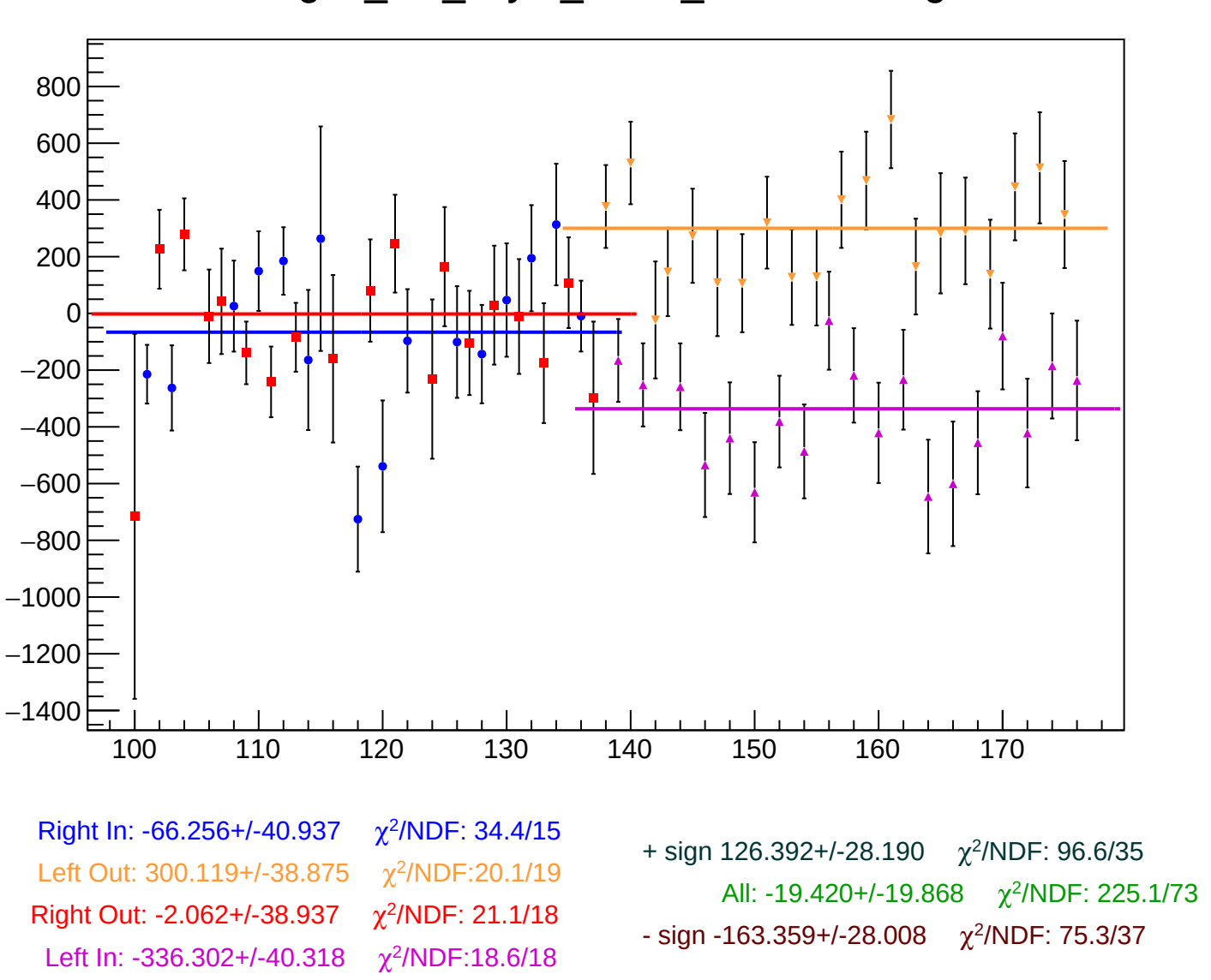
Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1028.117+/-0.187 χ^2/NDF:553414.3/18

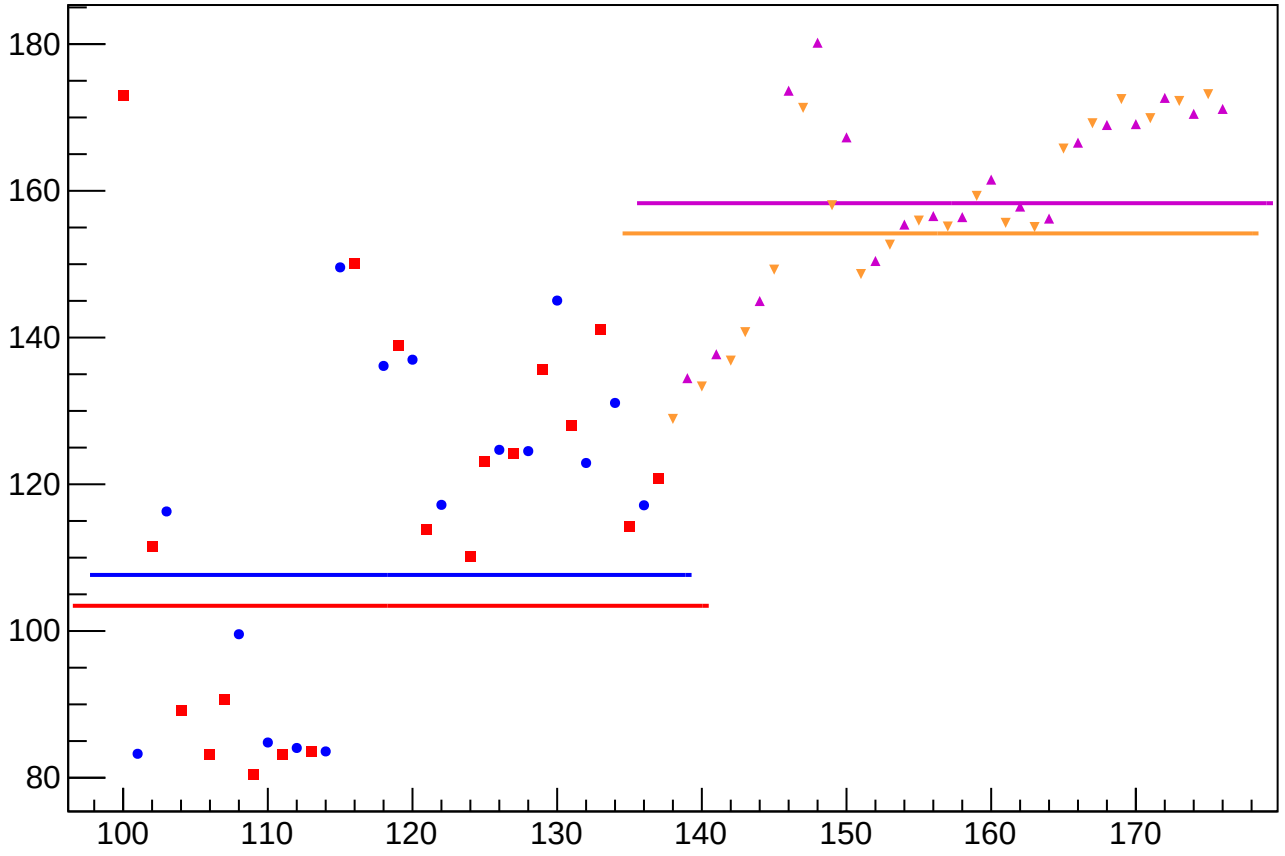
+ sign 748.817+/-0.121 χ^2/NDF: 7977064.3/35

All: 757.104+/-0.087 χ^2/NDF: 15192648.0/73

- sign 765.666+/-0.123 χ^2/NDF: 7206113.6/37


eigen_cor_asym_sam6_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
100
110
120
130
140
150
160
170
Right In: -66.256+/-40.937 χ²/NDF: 34.4/15
Left Out: 300.119+/-38.875 χ²/NDF:20.1/19
Right Out: -2.062+/-38.937 χ²/NDF: 21.1/18
Left In: -336.302+/-40.318 χ²/NDF:18.6/18
+ sign 126.392+/-28.190 χ²/NDF: 96.6/35
All: -19.420+/-19.868 χ²/NDF: 225.1/73
- sign -163.359+/-28.008 χ²/NDF: 75.3/37

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.195+/-0.027 χ^2/NDF:242101.0/19

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

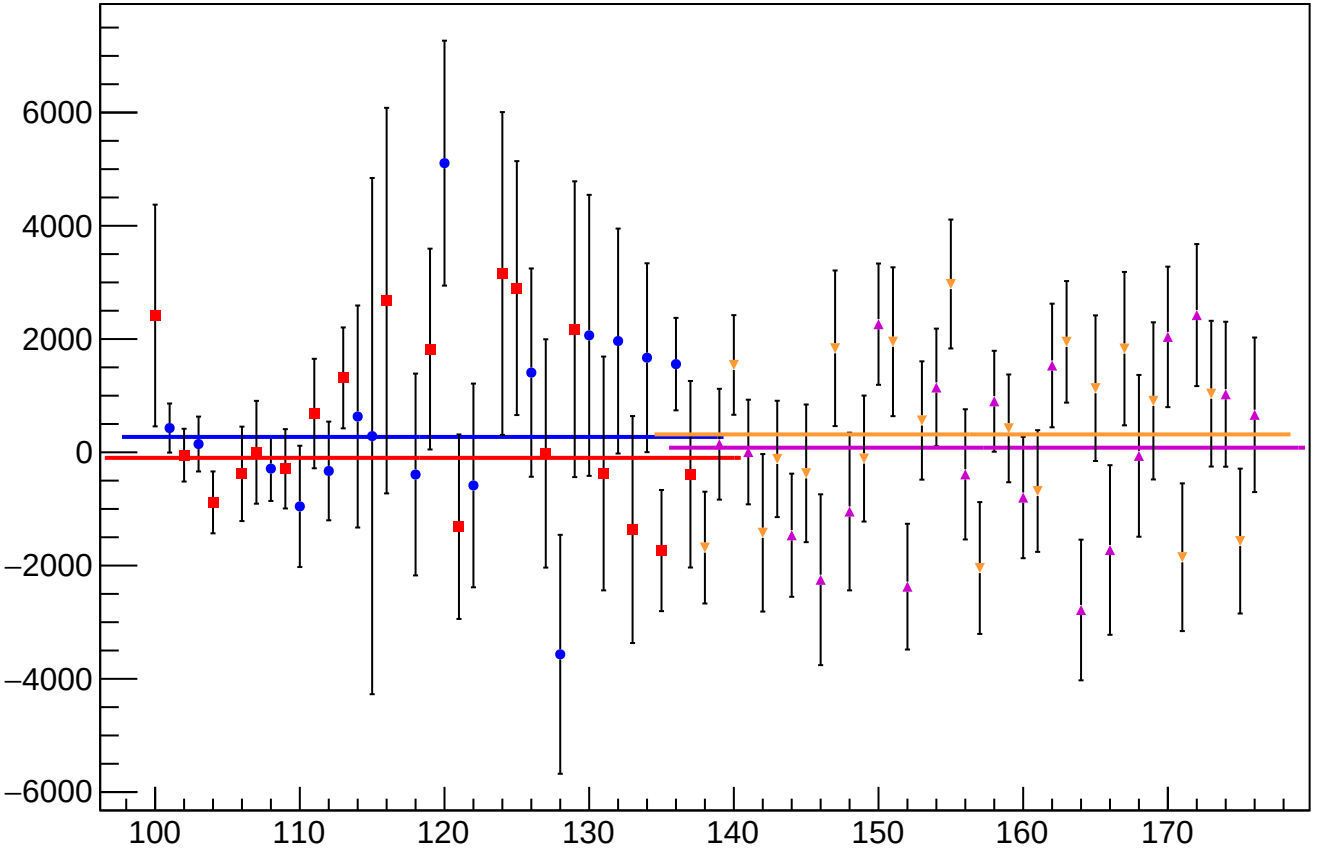
Left In: 158.314+/-0.029 χ^2/NDF:201993.3/18

\+ sign 132.122+/-0.020 χ^2/NDF: 2134778.8/35

All: 131.014+/-0.014 χ^2/NDF: 4884819.4/73

\- sign 129.920+/-0.020 χ^2/NDF: 2743900.6/37

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 316.485+/-257.218 χ^2/NDF:30.9/19

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

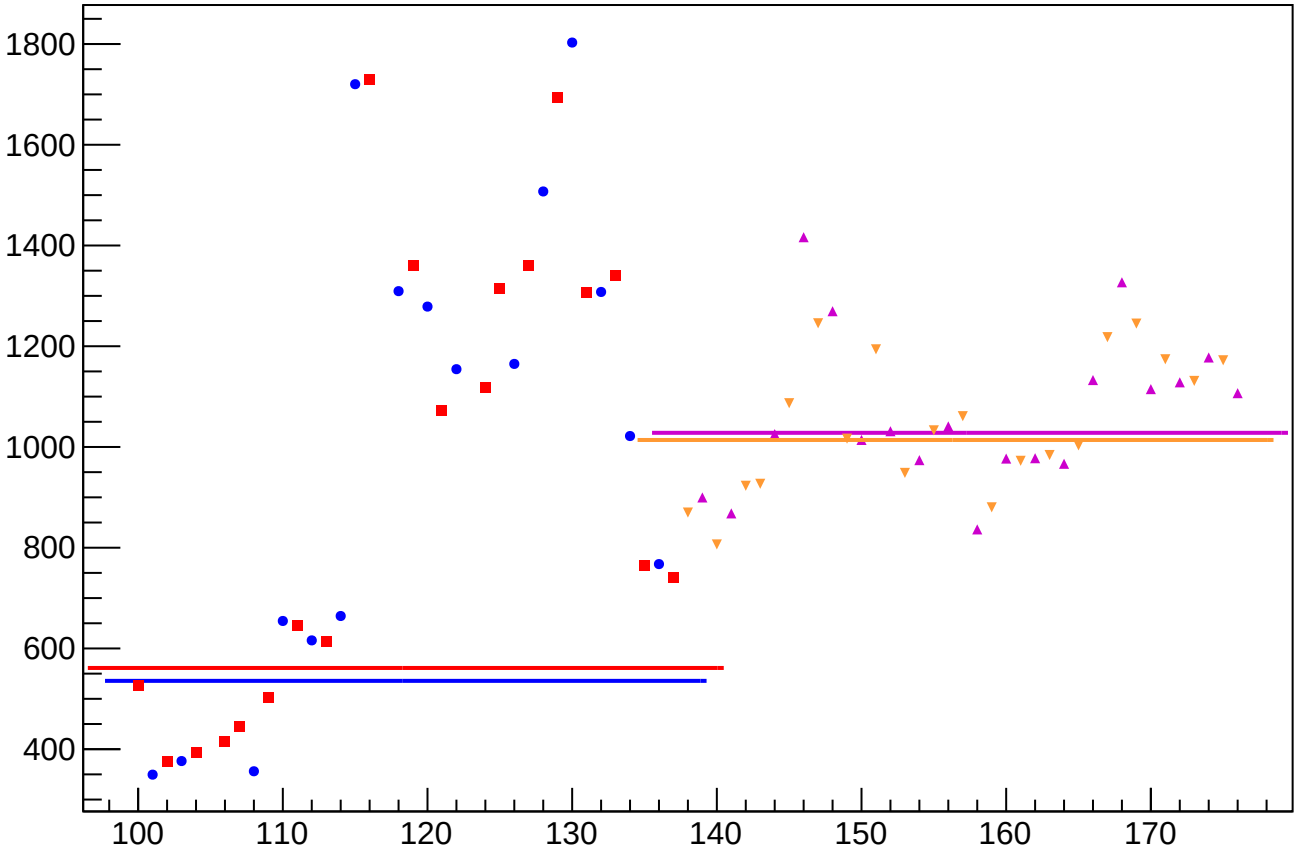
Left In: 81.616+/-263.776 χ^2/NDF:32.1/18

+ sign 291.631+/-171.724 χ^2/NDF: 47.4/35

All: 138.703+/-122.409 χ^2/NDF: 97.5/73

- sign -19.274+/-174.536 χ^2/NDF: 48.5/37

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1013.895+/-0.182 χ^2/NDF:512358.1/19

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

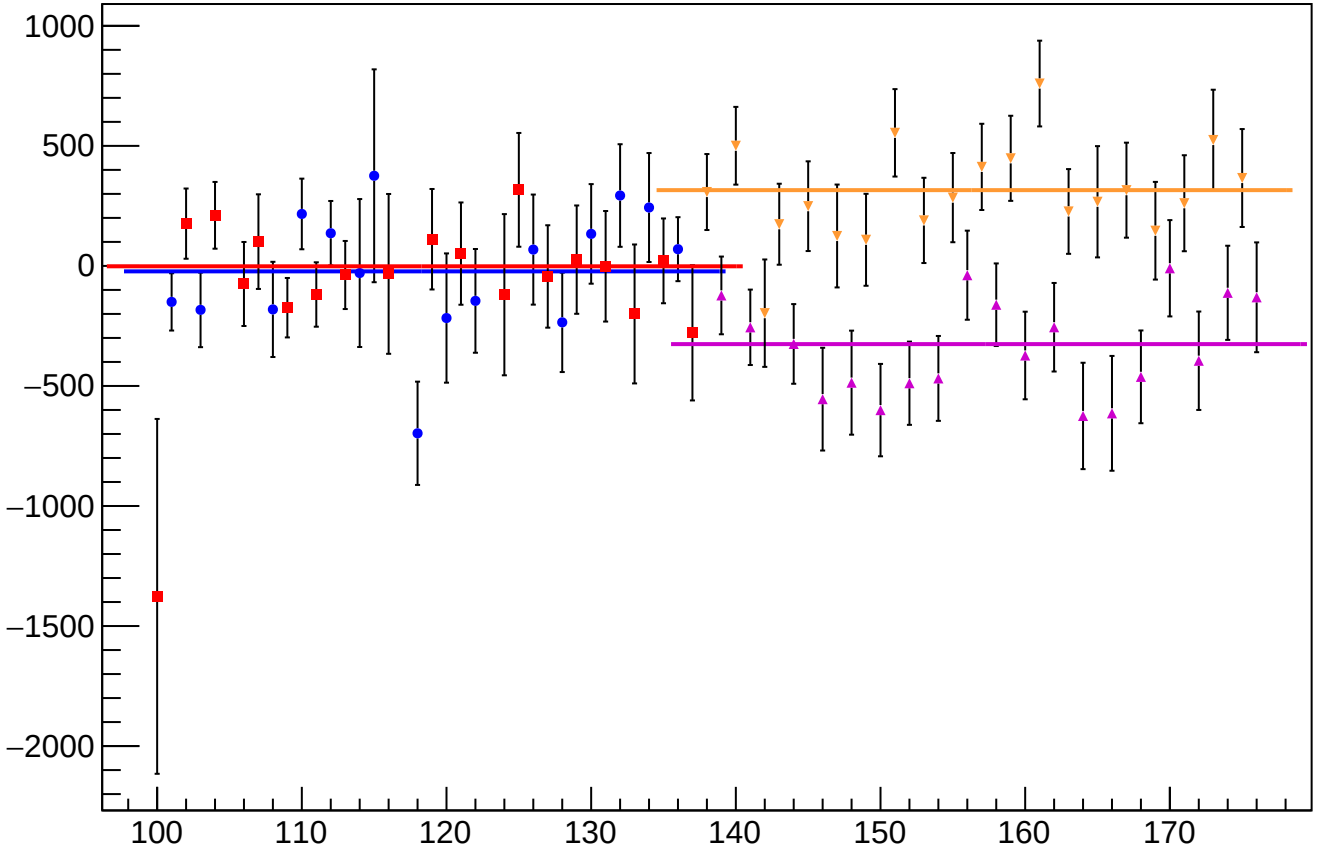
Left In: 1028.117+/-0.187 χ^2/NDF:553414.3/18

+ sign 748.817+/-0.121 χ^2/NDF: 7977064.3/35

All: 757.104+/-0.087 χ^2/NDF: 15192648.0/73

- sign 765.666+/-0.123 χ^2/NDF: 7206113.6/37

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 315.641+/-41.952 χ^2/NDF:20.7/19

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

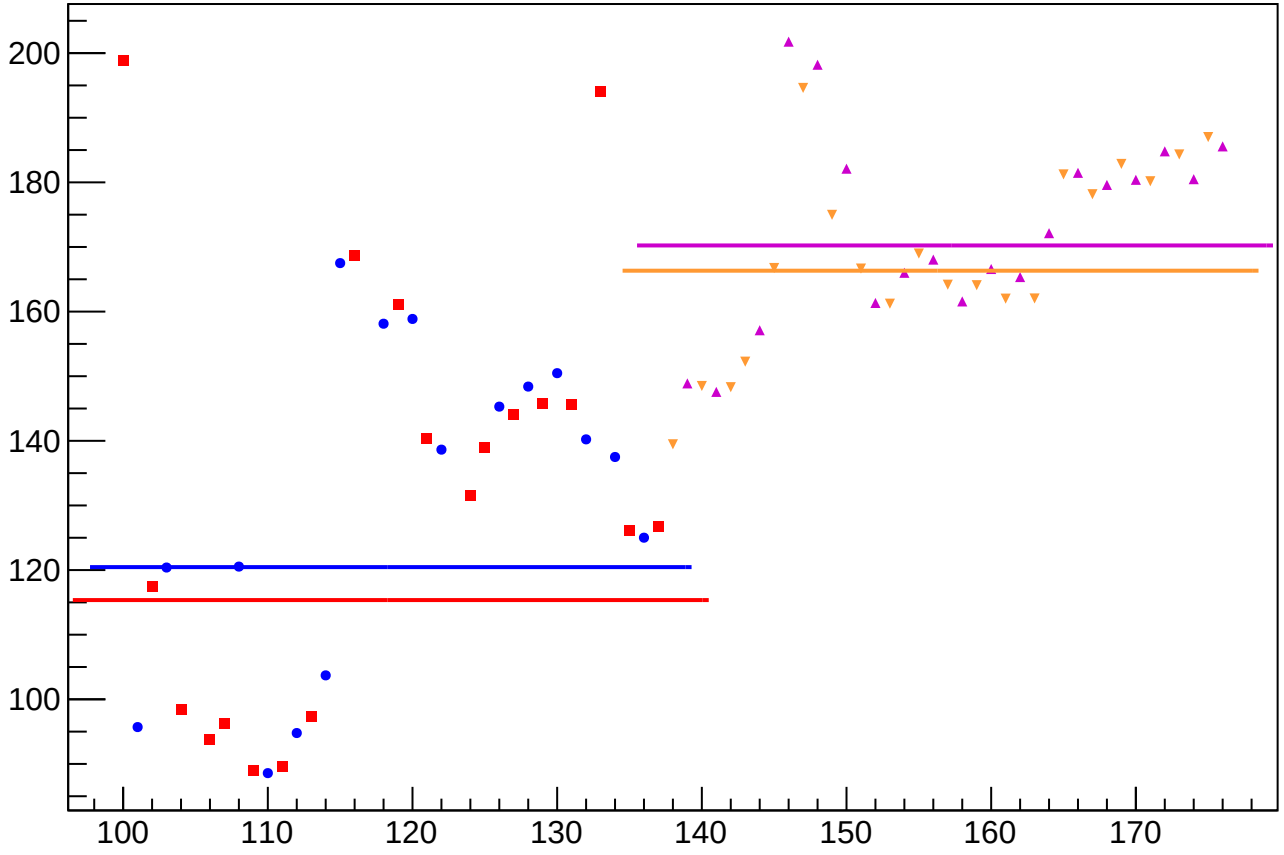
Left In: -325.723+/-43.391 χ^2/NDF:18.8/18

+ sign 161.686+/-30.969 χ^2/NDF: 74.5/35

All: -2.504+/-21.818 χ^2/NDF: 191.3/73

- sign -164.304+/-30.743 χ^2/NDF: 60.9/37

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 166.330+/-0.030 χ^2/NDF:226360.9/19

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

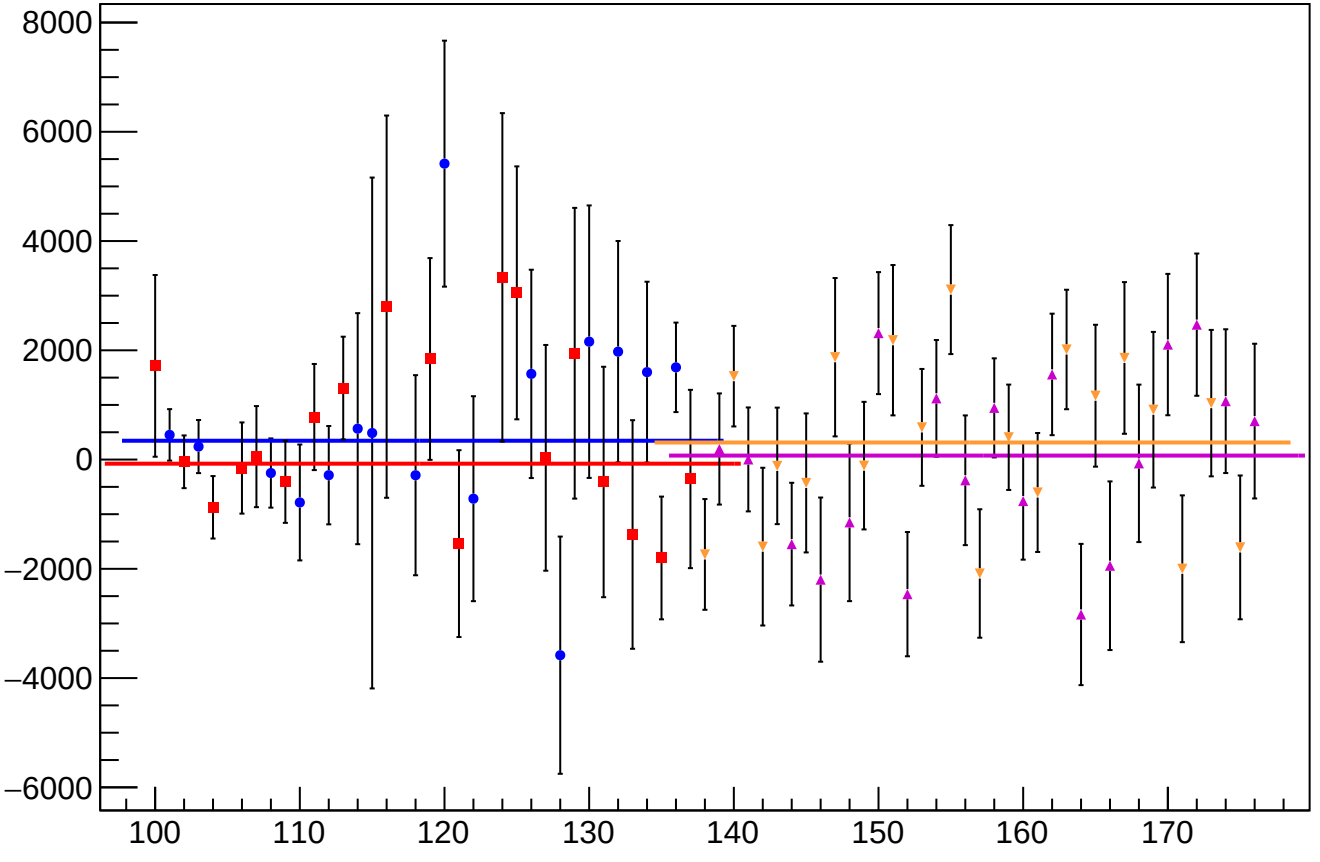
Left In: 170.236+/-0.031 χ^2/NDF:226211.4/18

+ sign 145.455+/-0.022 χ^2/NDF: 1844814.1/35

All: 144.171+/-0.015 χ^2/NDF: 4438393.1/73

- sign 142.905+/-0.022 χ^2/NDF: 2586749.3/37

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 312.410+/-265.087 χ^2/NDF:31.4/19

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

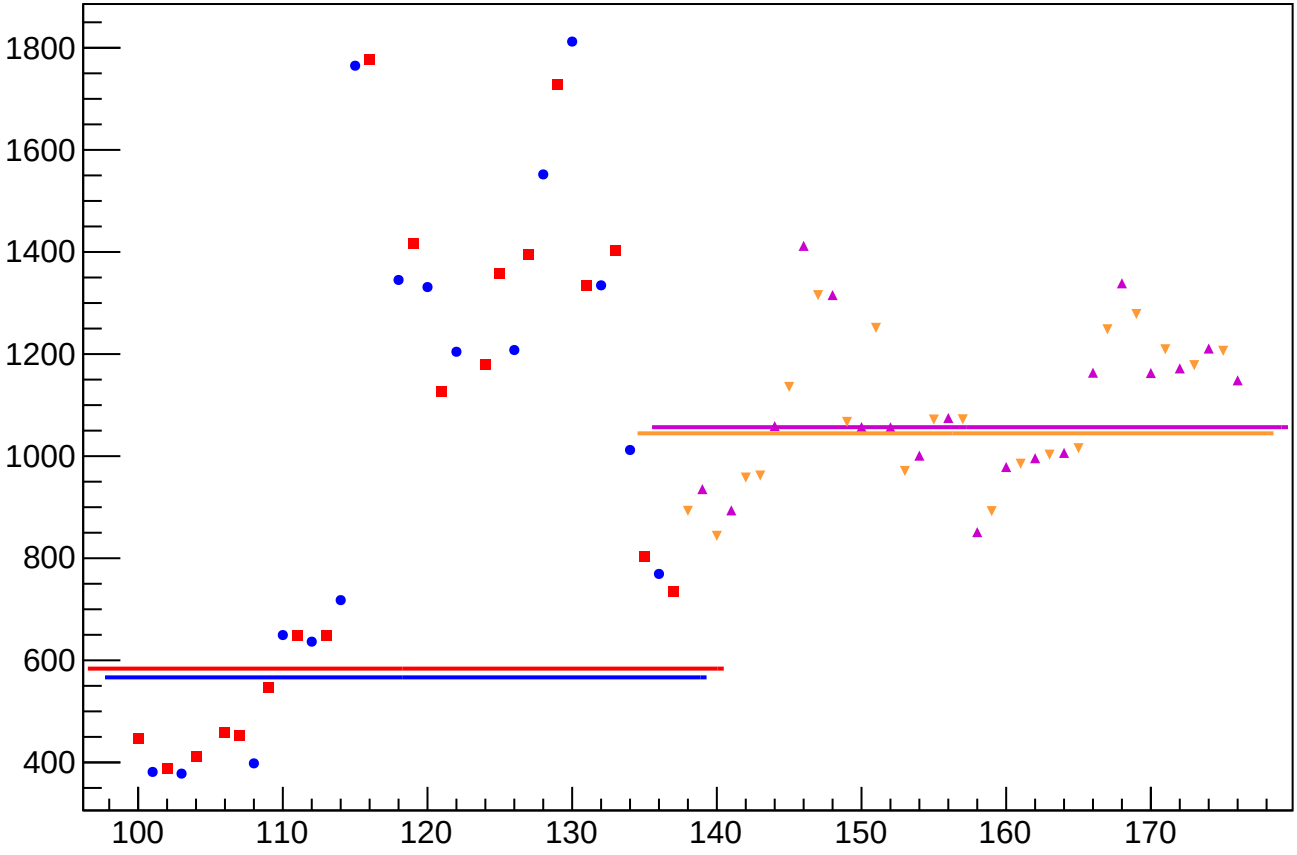
Left In: 72.836+/-271.102 χ^2/NDF:31.9/18

+ sign 329.909+/-178.537 χ^2/NDF: 47.7/35

All: 161.178+/-126.724 χ^2/NDF: 96.8/73

- sign -10.143+/-179.901 χ^2/NDF: 47.4/37

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1044.690+/-0.187 χ^2/NDF:533655.5/19

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

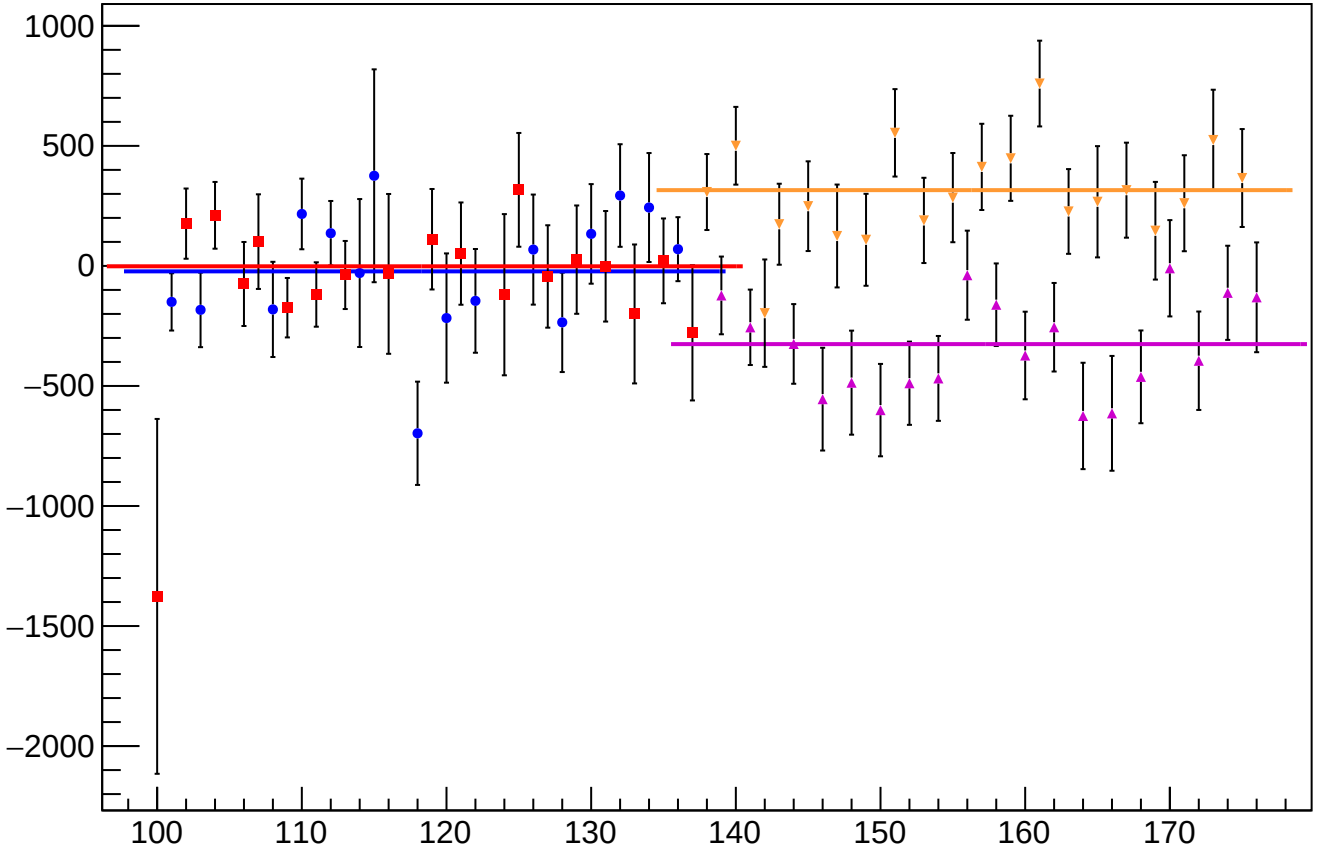
Left In: 1056.766+/-0.192 χ^2/NDF:542586.0/18

+ sign 783.466+/-0.126 χ^2/NDF: 7520544.0/35

All: 787.735+/-0.090 χ^2/NDF: 14579753.2/73

- sign 792.069+/-0.127 χ^2/NDF: 7056904.8/37

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 315.642+/-41.952 χ^2/NDF:20.7/19

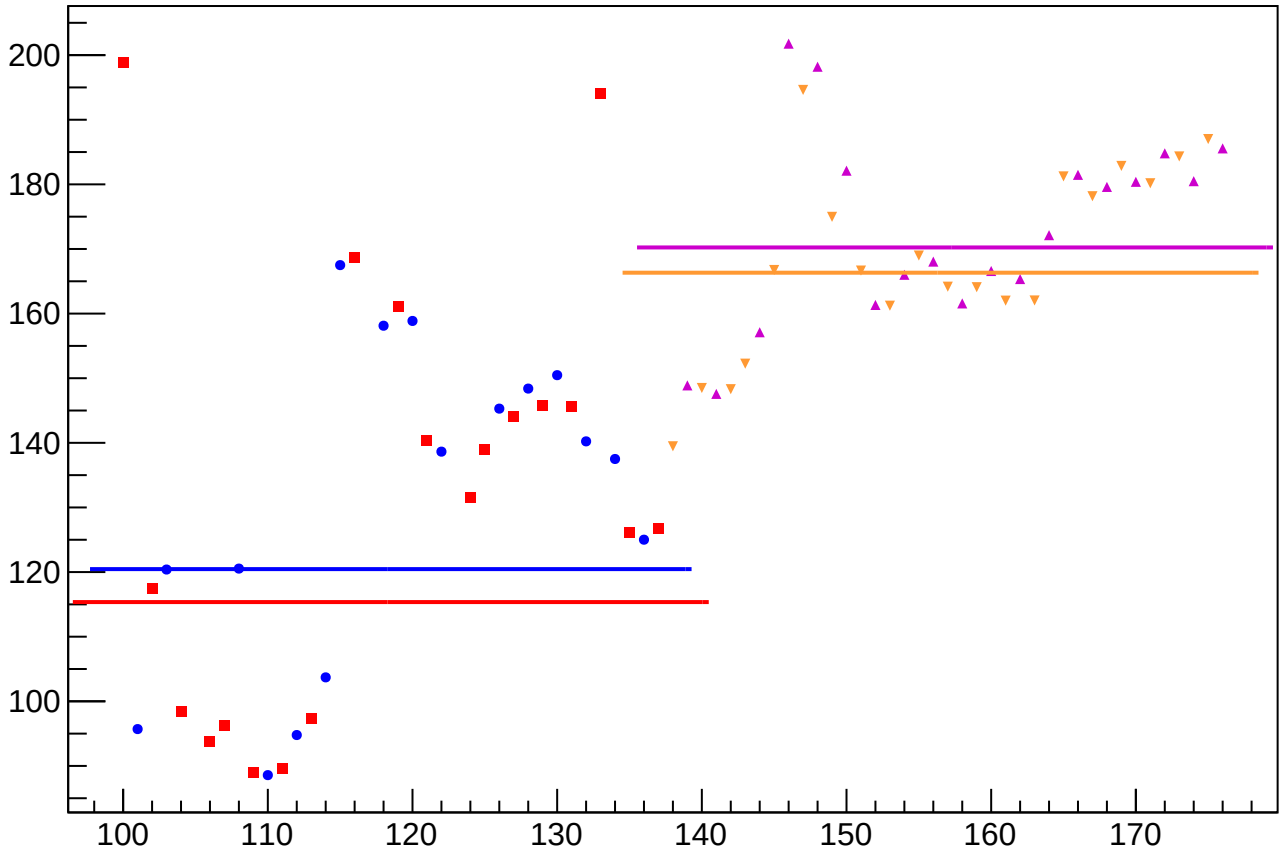
Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: -325.724+/-43.390 χ^2/NDF:18.8/18

+ sign 161.686+/-30.969 χ^2/NDF: 74.5/35

All: -2.505+/-21.818 χ^2/NDF: 191.3/73

- sign -164.305+/-30.743 χ^2/NDF: 60.9/37



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 166.329+/-0.030 χ^2/NDF:226360.8/19

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

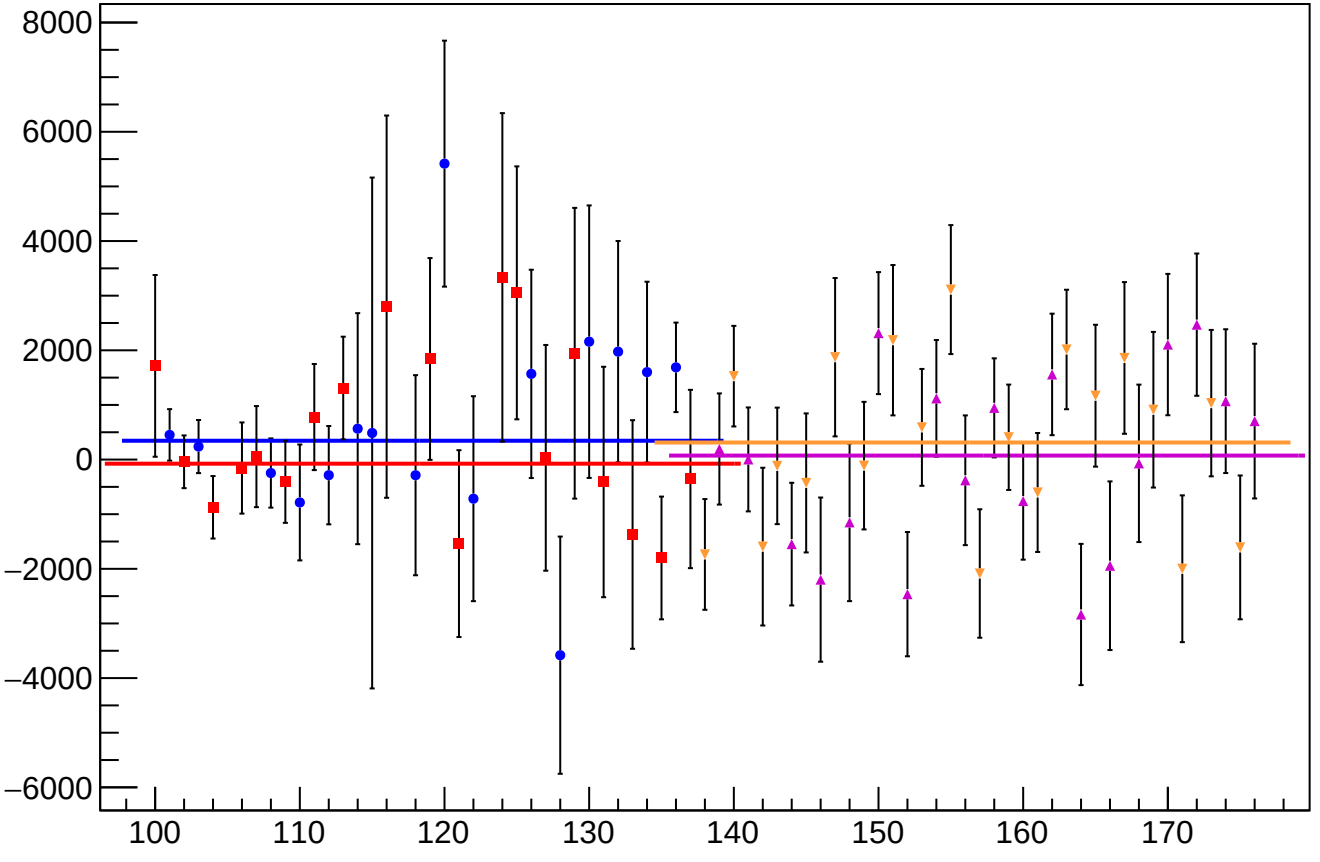
Left In: 170.236+/-0.031 χ^2/NDF:226211.9/18

+ sign 145.455+/-0.022 χ^2/NDF: 1844824.0/35

All: 144.171+/-0.015 χ^2/NDF: 4438407.3/73

- sign 142.905+/-0.022 χ^2/NDF: 2586753.9/37

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 312.411+/-265.087 χ^2/NDF:31.4/19

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

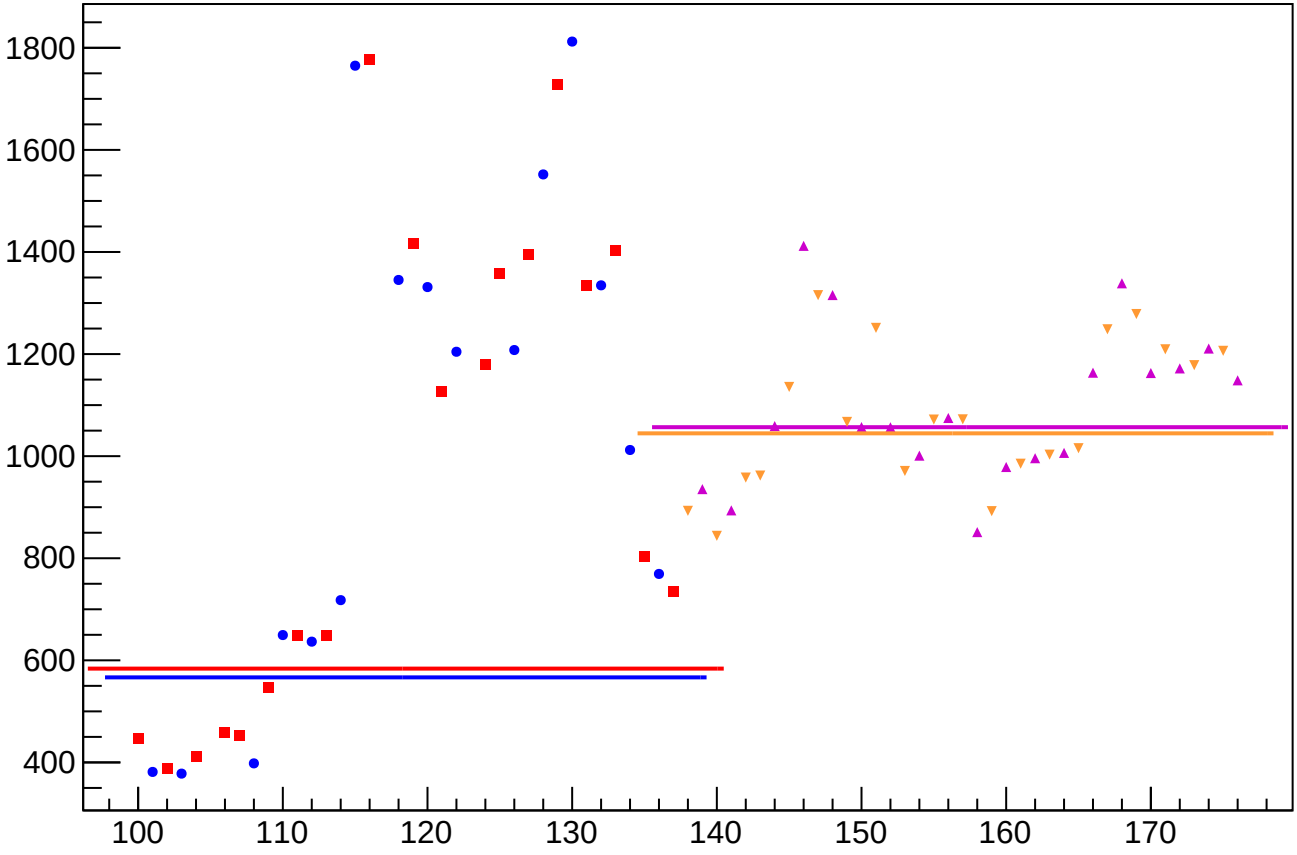
Left In: 72.836+/-271.102 χ^2/NDF:31.9/18

+ sign 329.909+/-178.537 χ^2/NDF: 47.7/35

All: 161.177+/-126.724 χ^2/NDF: 96.8/73

- sign -10.144+/-179.901 χ^2/NDF: 47.4/37

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1044.690+/-0.187 χ^2/NDF:533659.2/19

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

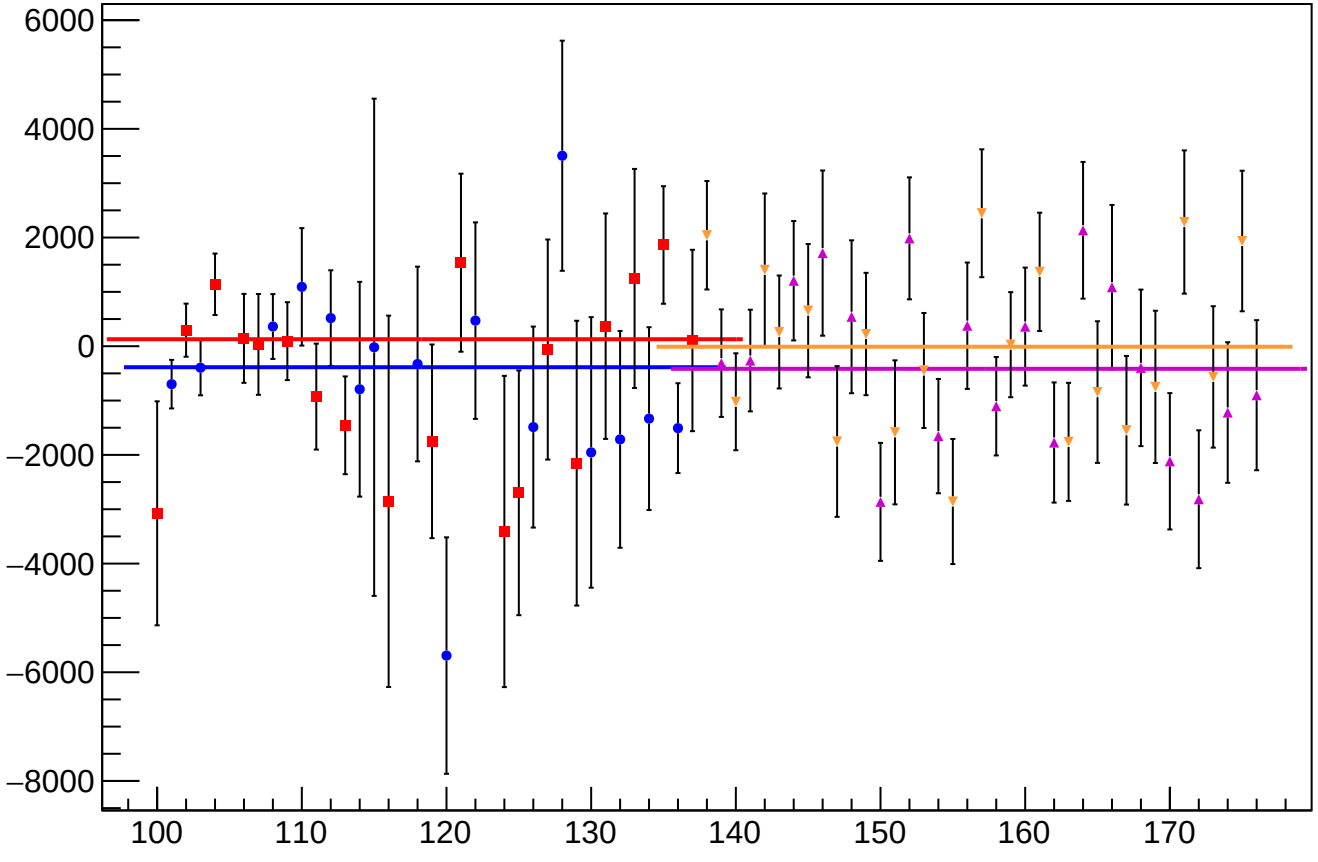
Left In: 1056.766+/-0.192 χ^2/NDF:542589.8/18

+ sign 783.465+/-0.126 χ^2/NDF: 7520567.2/35

All: 787.734+/-0.090 χ^2/NDF: 14579788.4/73

- sign 792.069+/-0.127 χ^2/NDF: 7056916.8/37

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -9.578+/-260.261 χ^2/NDF:32.2/19

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

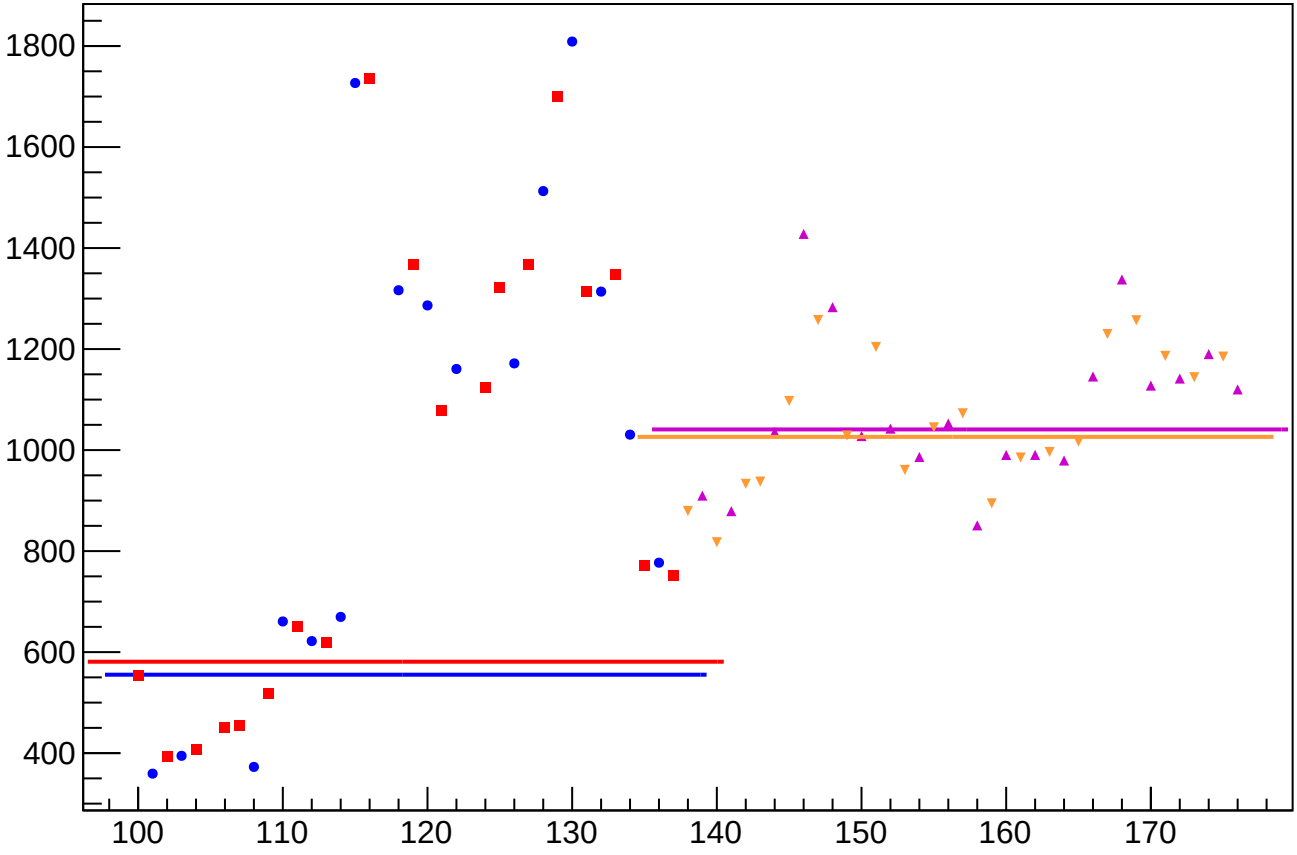
Left In: -415.483+/-266.981 χ^2/NDF:29.8/18

+ sign -215.231+/-175.444 χ^2/NDF: 51.3/35

All: -164.588+/-124.867 χ^2/NDF: 102.9/73

- sign -112.600+/-177.757 χ^2/NDF: 51.5/37

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1026.141+/-0.184 χ^2/NDF:502183.4/19

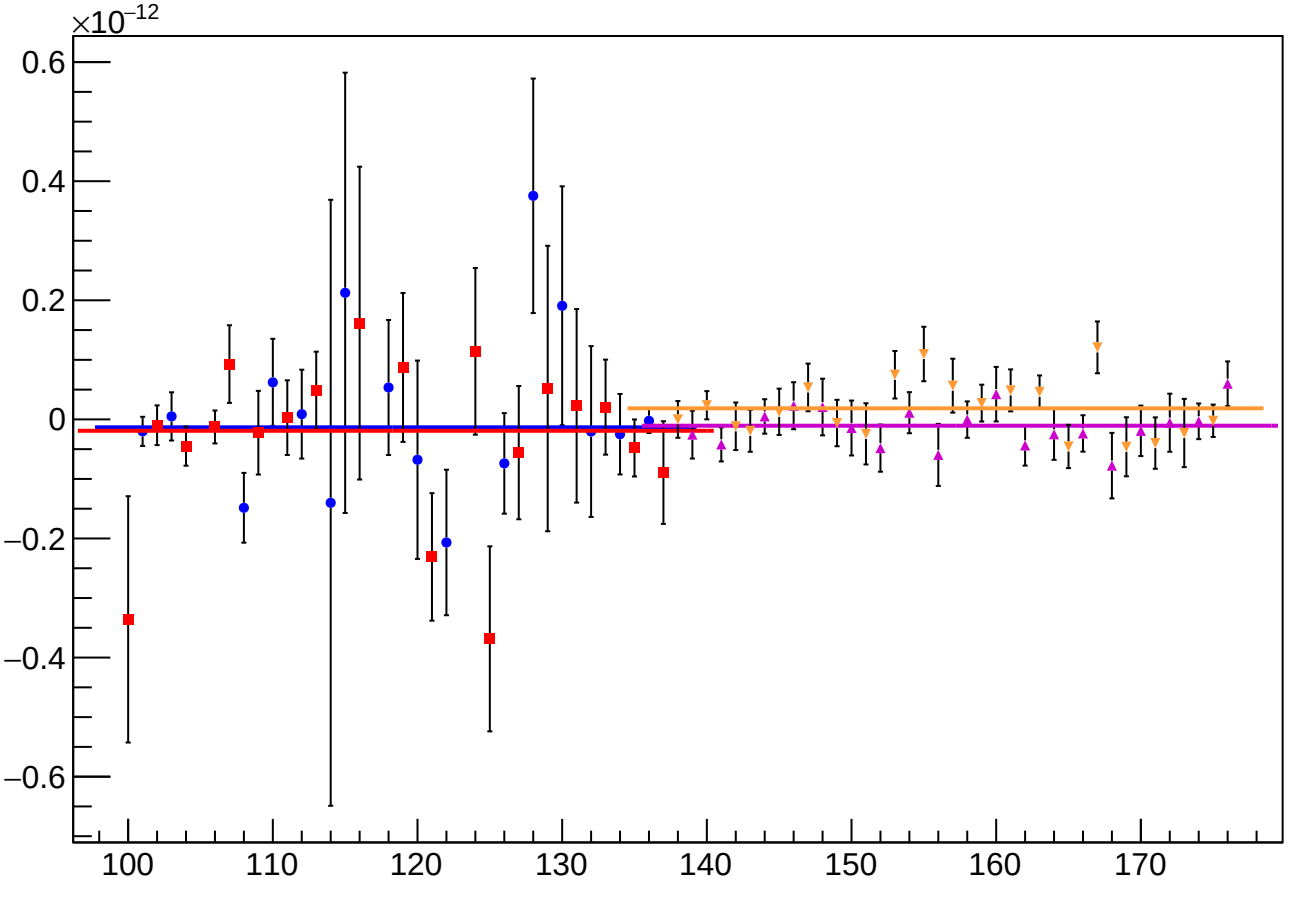
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1040.902+/-0.189 χ^2/NDF:540821.1/18

+ sign 769.255+/-0.124 χ^2/NDF: 7556069.9/35

All: 776.961+/-0.088 χ^2/NDF: 14392198.5/73

- sign 784.871+/-0.126 χ^2/NDF: 6828310.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.8/19

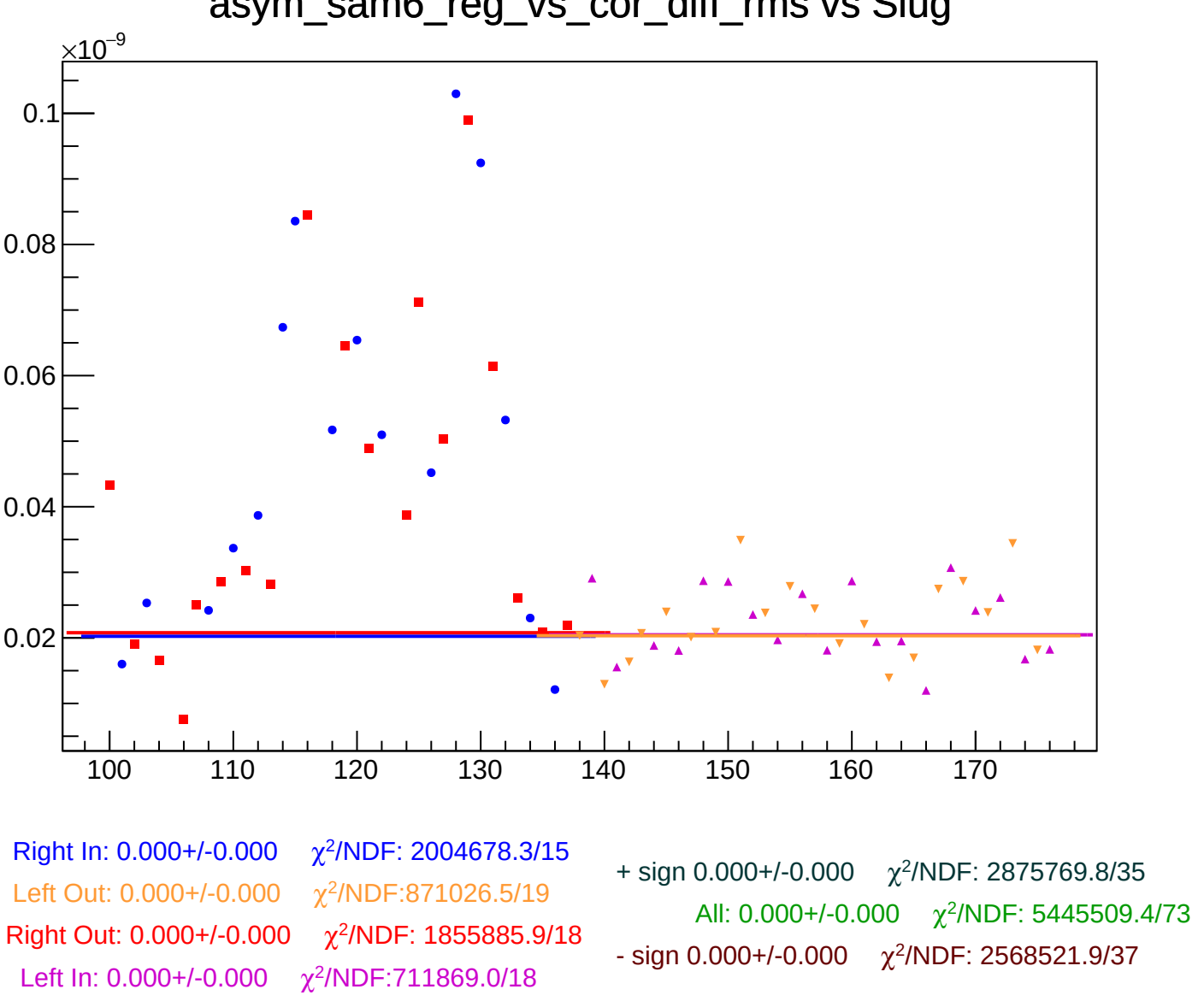
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/18

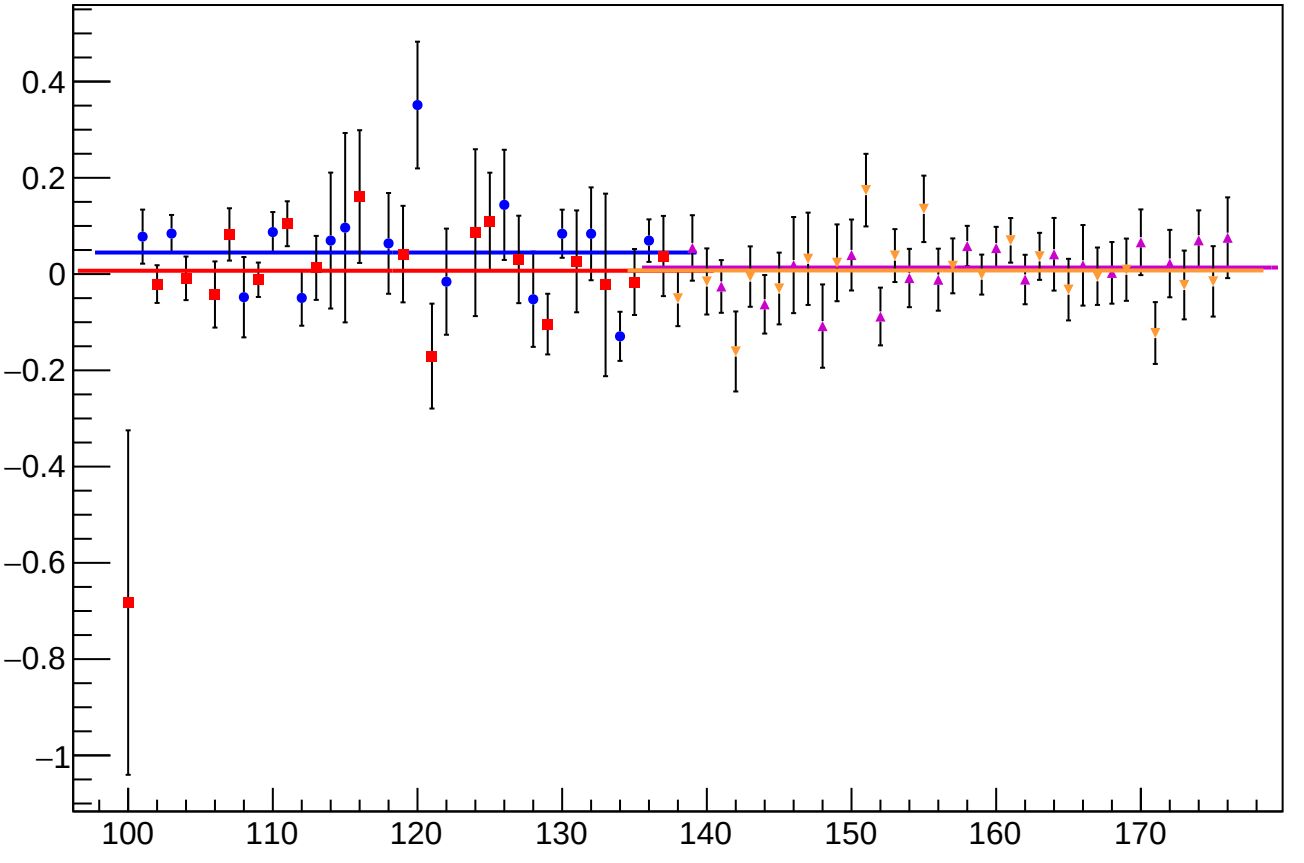
+ sign 0.000+/-0.000 χ^2/NDF: 46.1/35

All: -0.000+/-0.000 χ^2/NDF: 84.1/73

- sign -0.000+/-0.000 χ^2/NDF: 33.0/37


asym_sam6_reg_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2004678.3/15
Left Out: 0.000+/-0.000 χ²/NDF:871026.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 1855885.9/18
Left In: 0.000+/-0.000 χ²/NDF:711869.0/18
+ sign 0.000+/-0.000 χ²/NDF: 2875769.8/35
All: 0.000+/-0.000 χ²/NDF: 5445509.4/73
- sign 0.000+/-0.000 χ²/NDF: 2568521.9/37

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

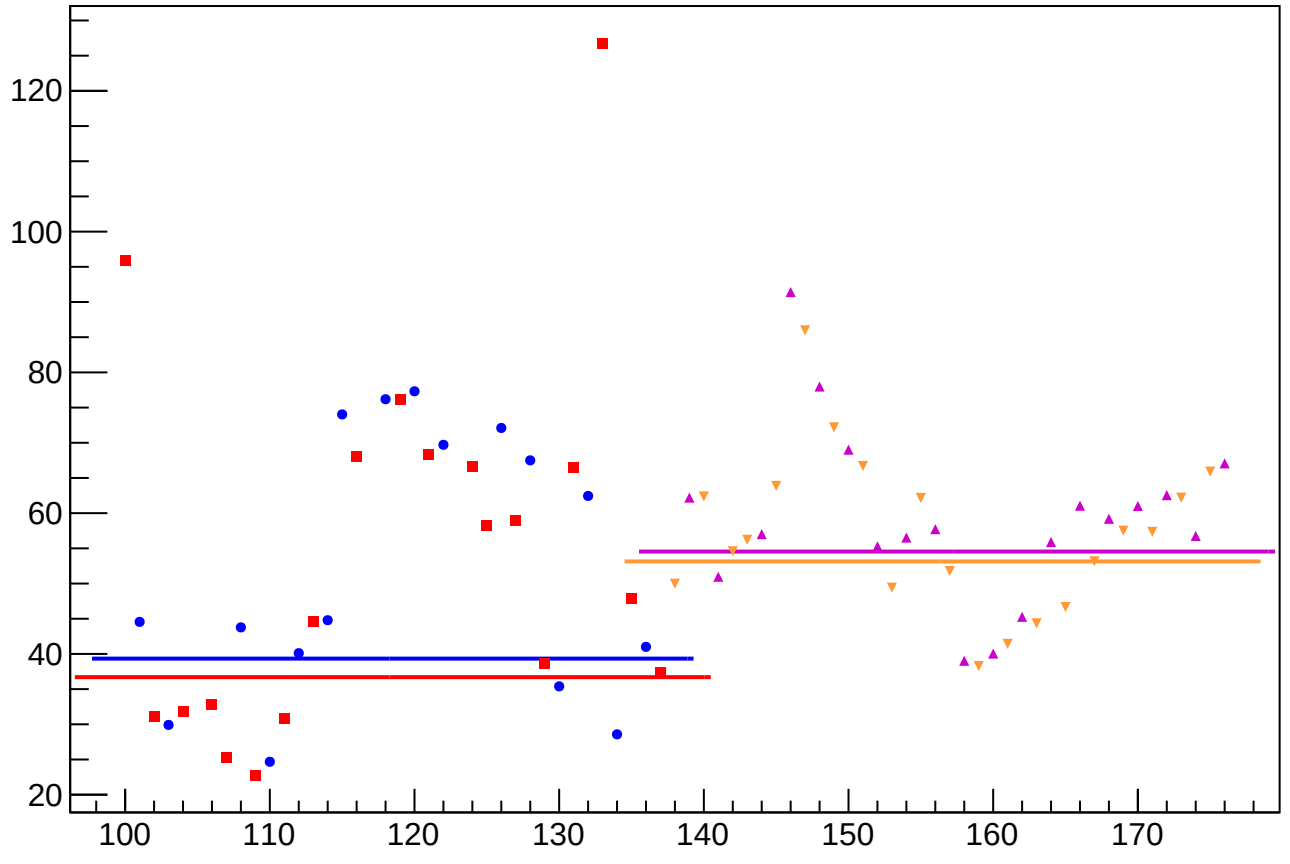
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.014+/-0.014 χ^2/NDF:12.1/18

+ sign 0.023+/-0.010 χ^2/NDF: 51.0/35

All: 0.017+/-0.007 χ^2/NDF: 84.2/73

- sign 0.010+/-0.010 χ^2/NDF: 32.3/37



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.140+/-0.010 χ^2/NDF:1126929.4/19

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

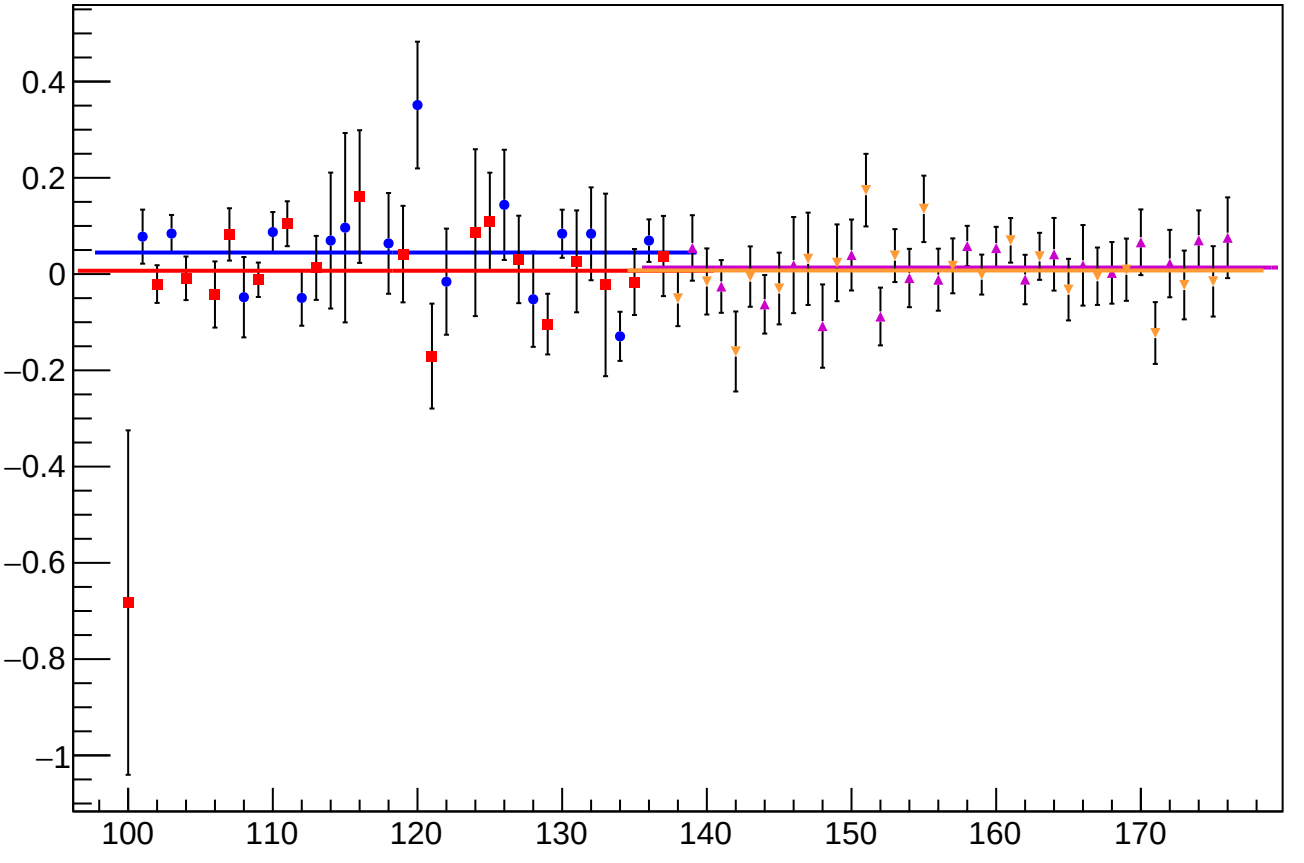
Left In: 54.544+/-0.010 χ^2/NDF:1212146.8/18

\+ sign 47.249+/-0.007 χ^2/NDF: 3544790.5/35

All: 46.670+/-0.005 χ^2/NDF: 8334881.4/73

\- sign 46.099+/-0.007 χ^2/NDF: 4777918.9/37

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

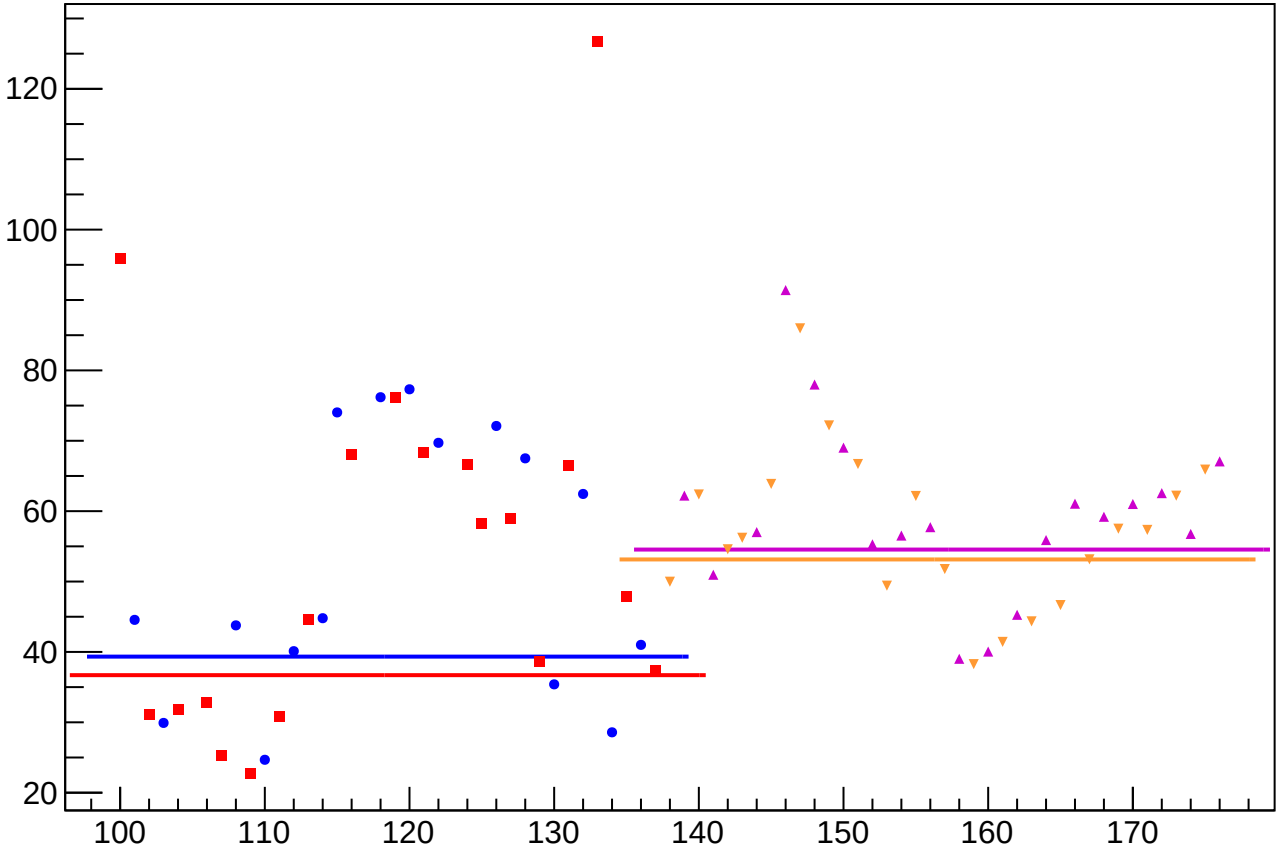
Left In: 0.014+/-0.014 χ^2/NDF:12.1/18

+ sign 0.023+/-0.010 χ^2/NDF: 51.0/35

All: 0.017+/-0.007 χ^2/NDF: 84.2/73

- sign 0.010+/-0.010 χ^2/NDF: 32.3/37

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.140+/-0.010 χ^2/NDF:1126929.4/19

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

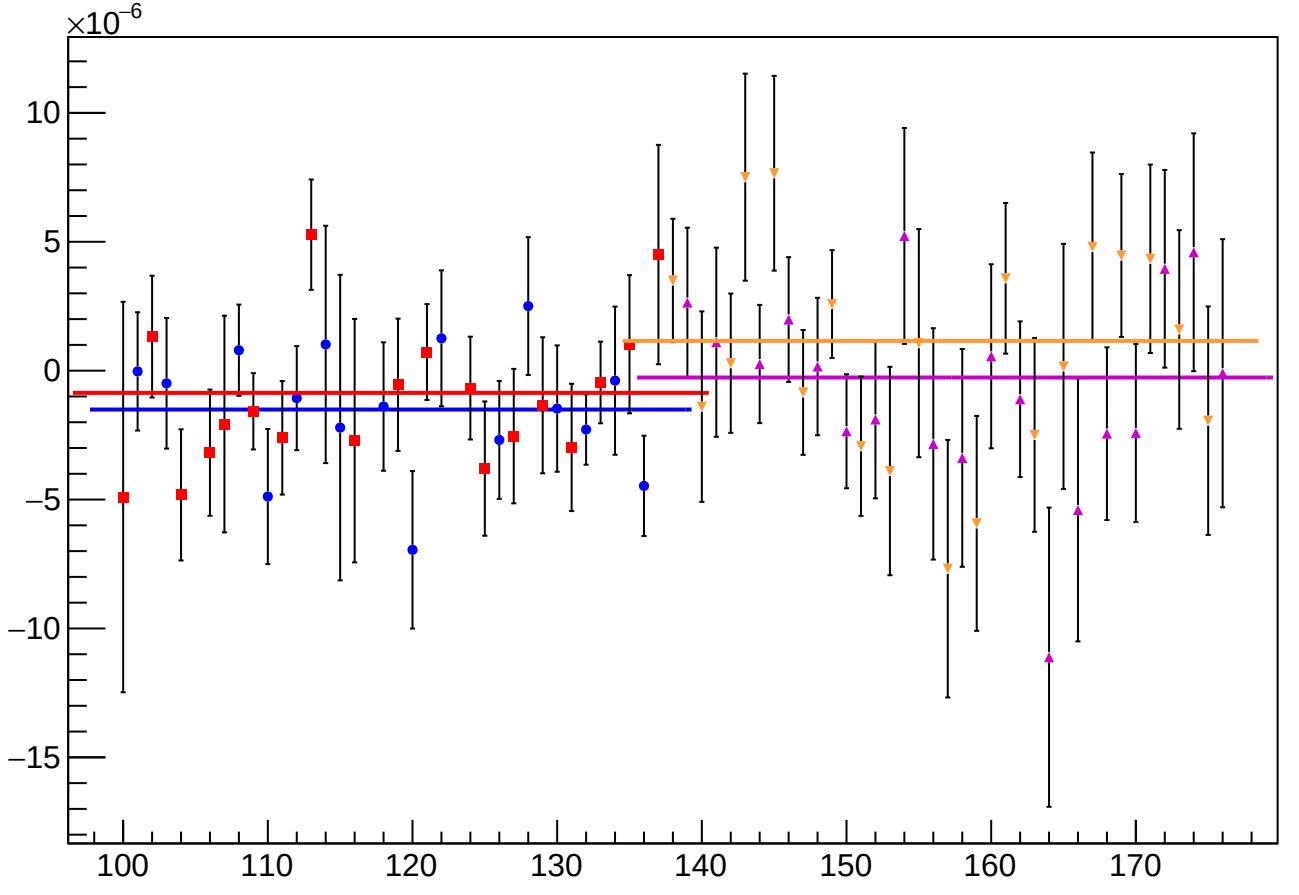
Left In: 54.544+/-0.010 χ^2/NDF:1212146.8/18

\+ sign 47.249+/-0.007 χ^2/NDF: 3544790.5/35

All: 46.670+/-0.005 χ^2/NDF: 8334881.4/73

\- sign 46.099+/-0.007 χ^2/NDF: 4777918.9/37

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

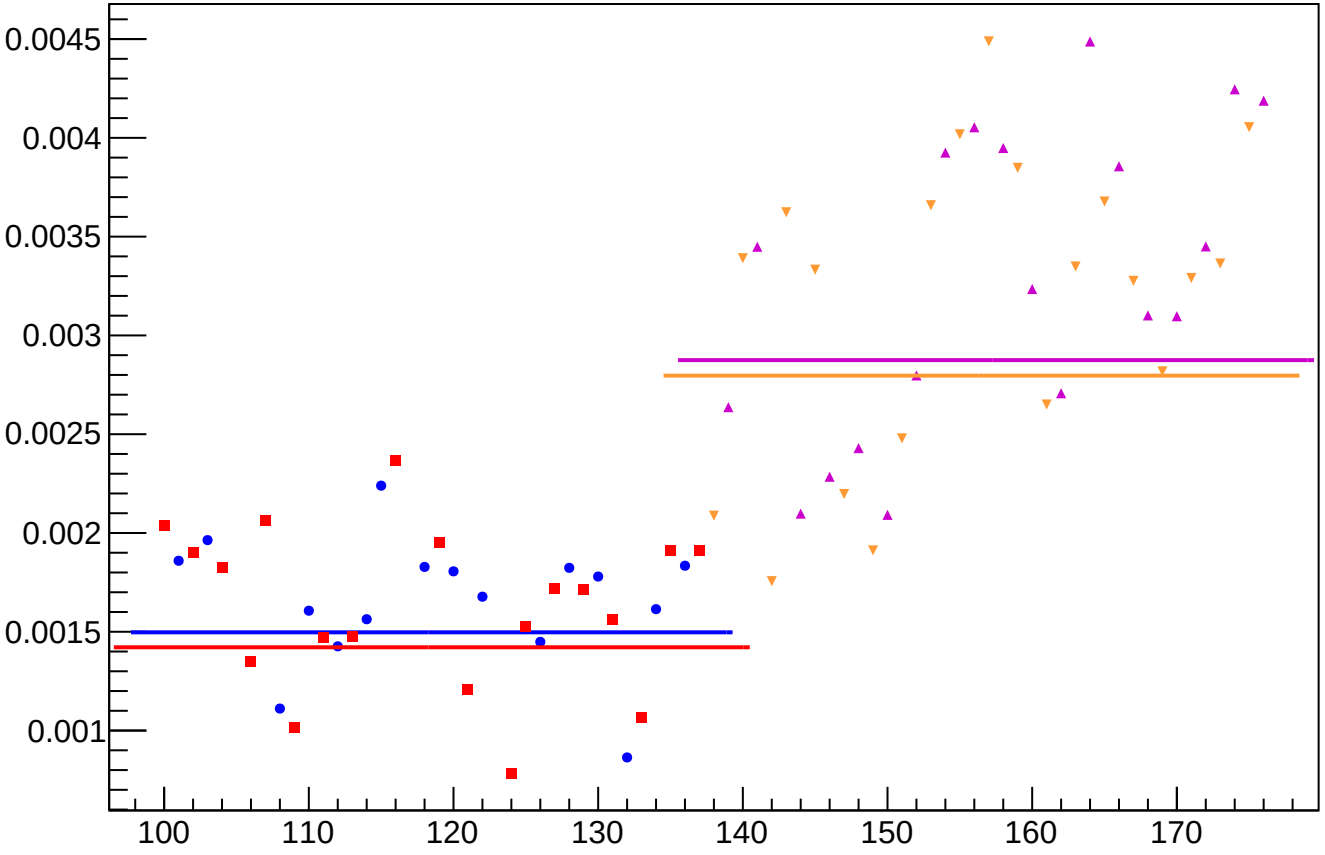
Left In: -0.000+/-0.000 χ^2/NDF:13.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 45.0/35

All: -0.000+/-0.000 χ^2/NDF: 78.2/73

- sign -0.000+/-0.000 χ^2/NDF: 33.2/37

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:2149087.3/19

Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

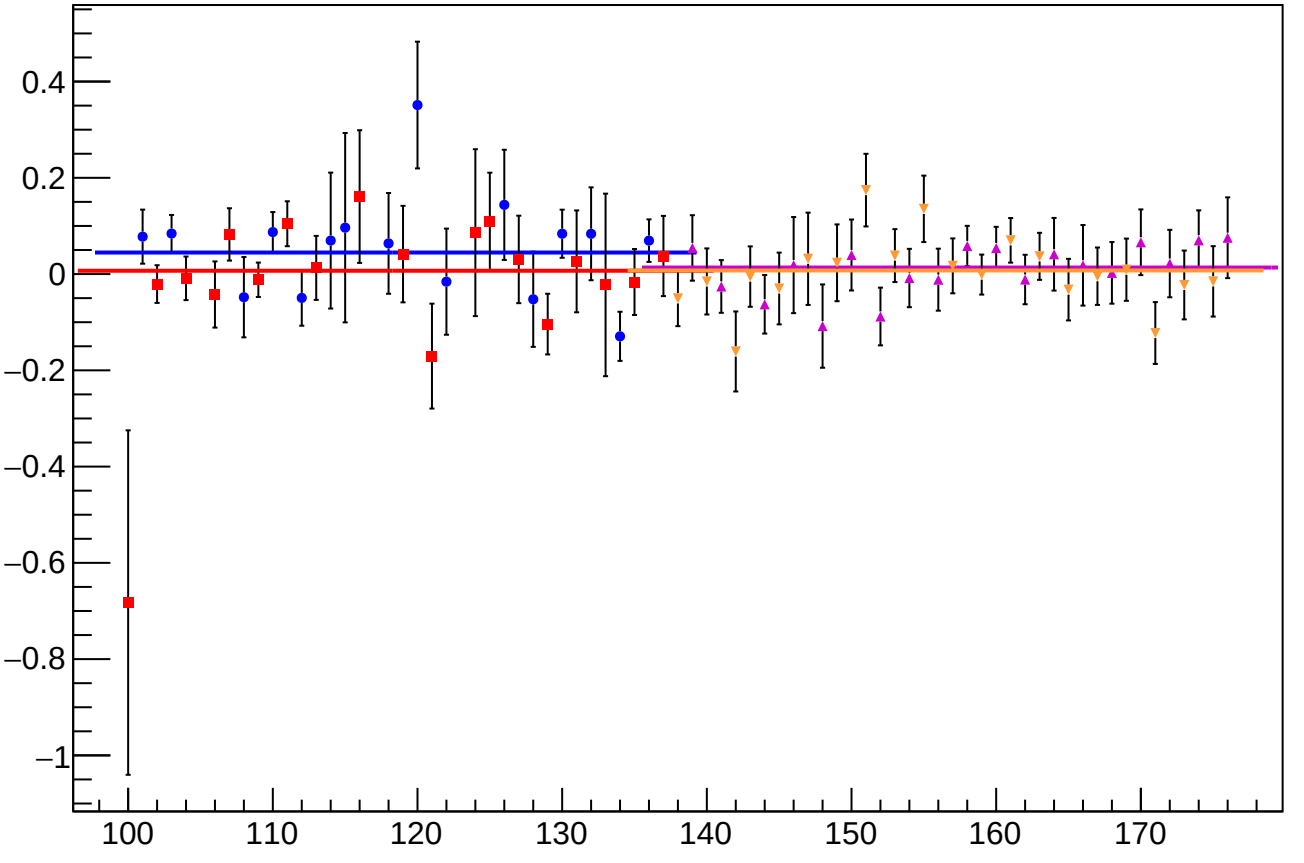
Left In: 0.003+/-0.000 χ^2/NDF:1733585.9/18

+ sign 0.002+/-0.000 χ^2/NDF: 6877846.1/35

All: 0.002+/-0.000 χ^2/NDF: 14517697.1/73

- sign 0.002+/-0.000 χ^2/NDF: 7606311.1/37

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

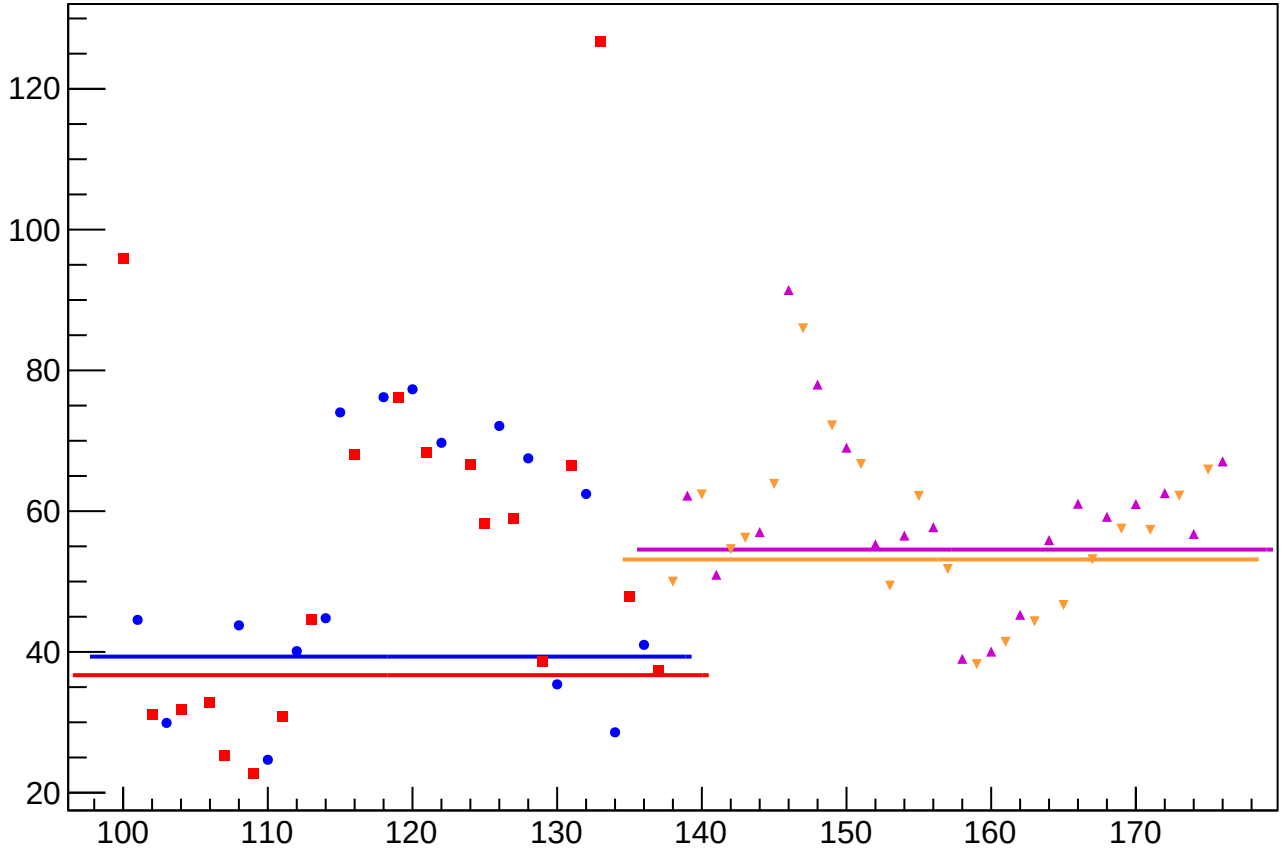
Left In: 0.014+/-0.014 χ^2/NDF:12.1/18

+ sign 0.023+/-0.010 χ^2/NDF: 51.0/35

All: 0.017+/-0.007 χ^2/NDF: 84.2/73

- sign 0.010+/-0.010 χ^2/NDF: 32.3/37

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.139+/-0.010 χ^2/NDF:1127023.9/19

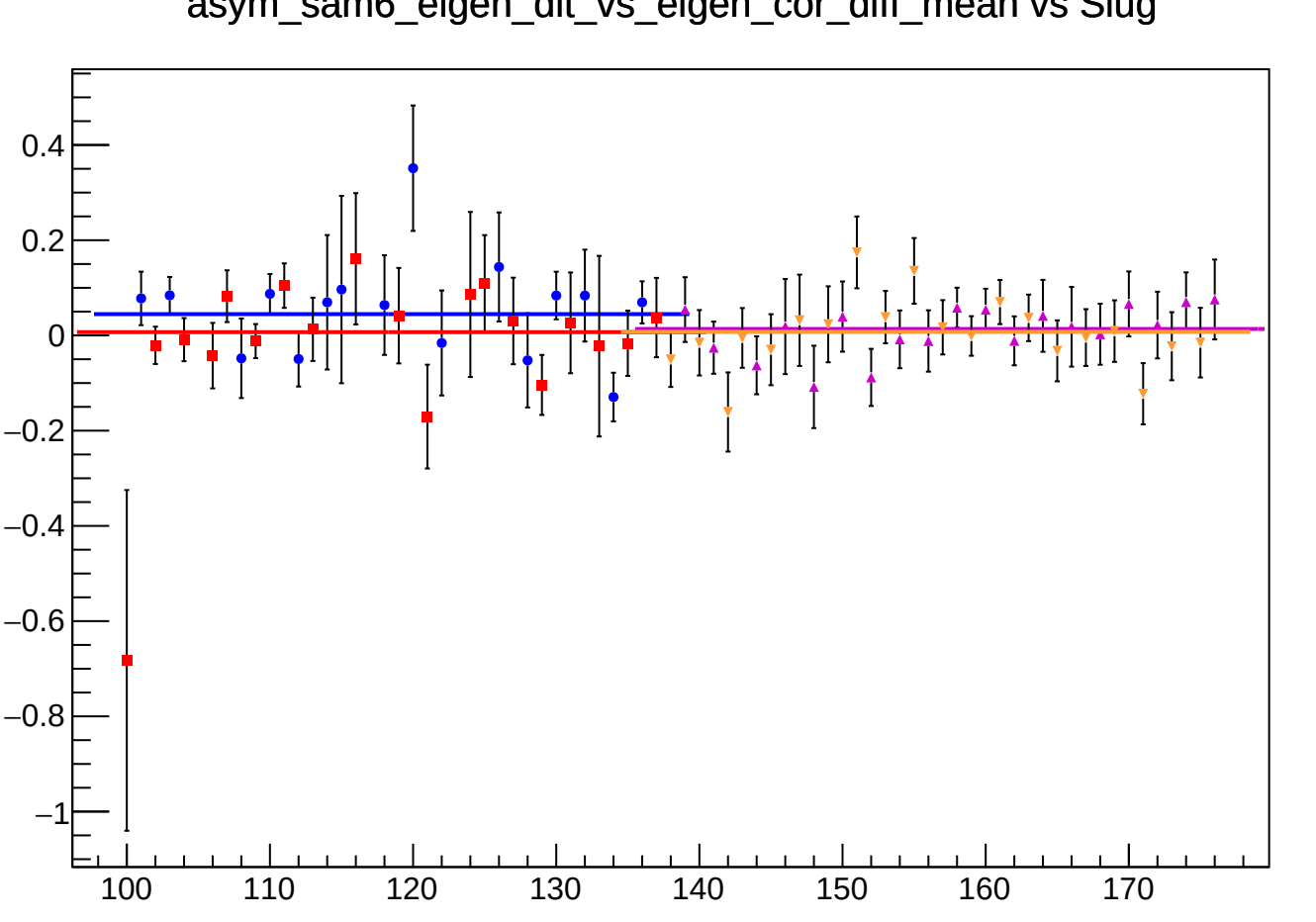
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.543+/-0.010 χ^2/NDF:1212293.3/18

\+ sign 47.249+/-0.007 χ^2/NDF: 3544870.1/35

All: 46.669+/-0.005 χ^2/NDF: 8334981.4/73

\- sign 46.098+/-0.007 χ^2/NDF: 4777941.7/37



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

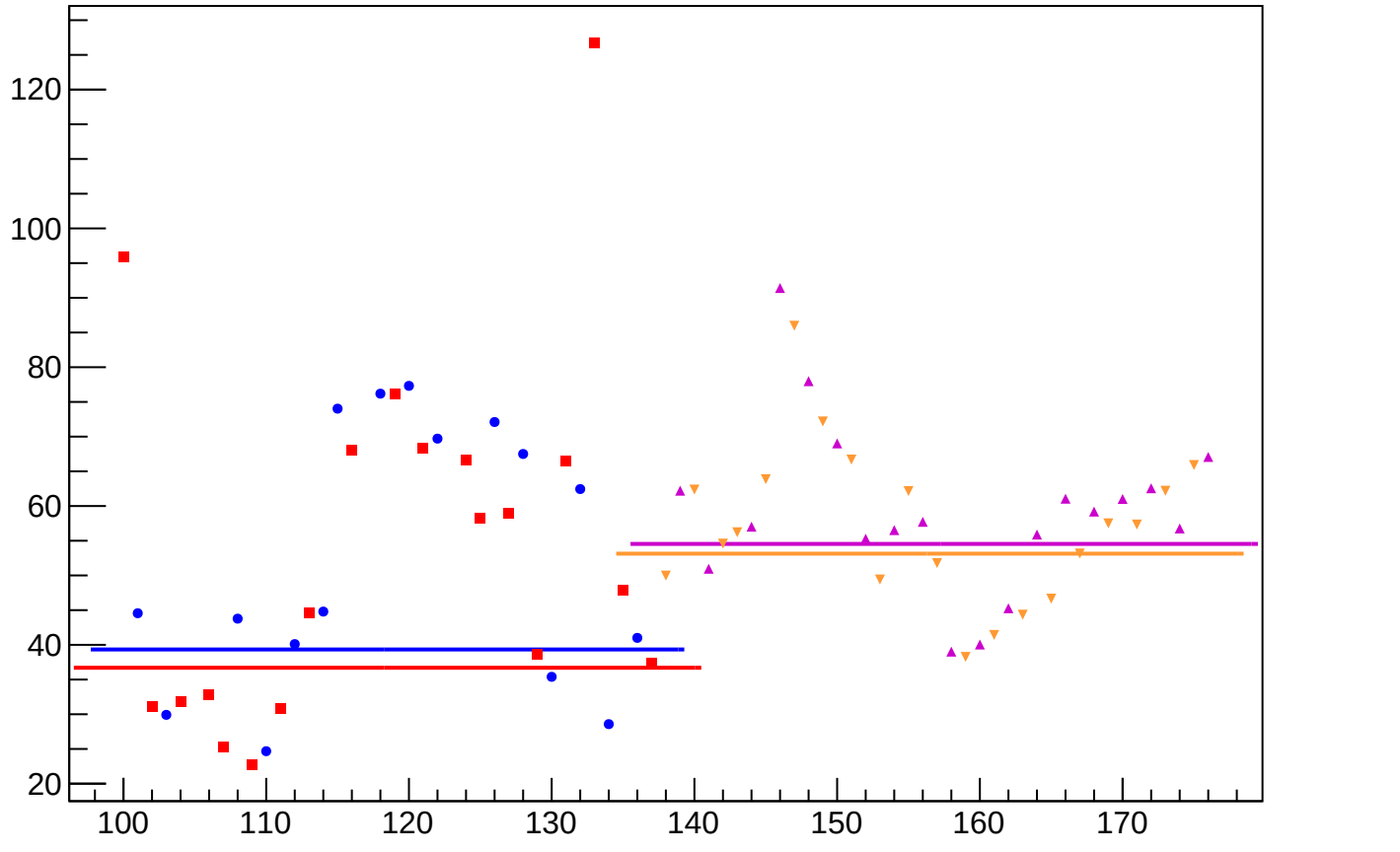
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.014+/-0.014 χ^2/NDF:12.1/18

+ sign 0.023+/-0.010 χ^2/NDF: 51.0/35

All: 0.017+/-0.007 χ^2/NDF: 84.2/73

- sign 0.010+/-0.010 χ^2/NDF: 32.3/37



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.139+/-0.010 χ^2/NDF:1127023.9/19

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

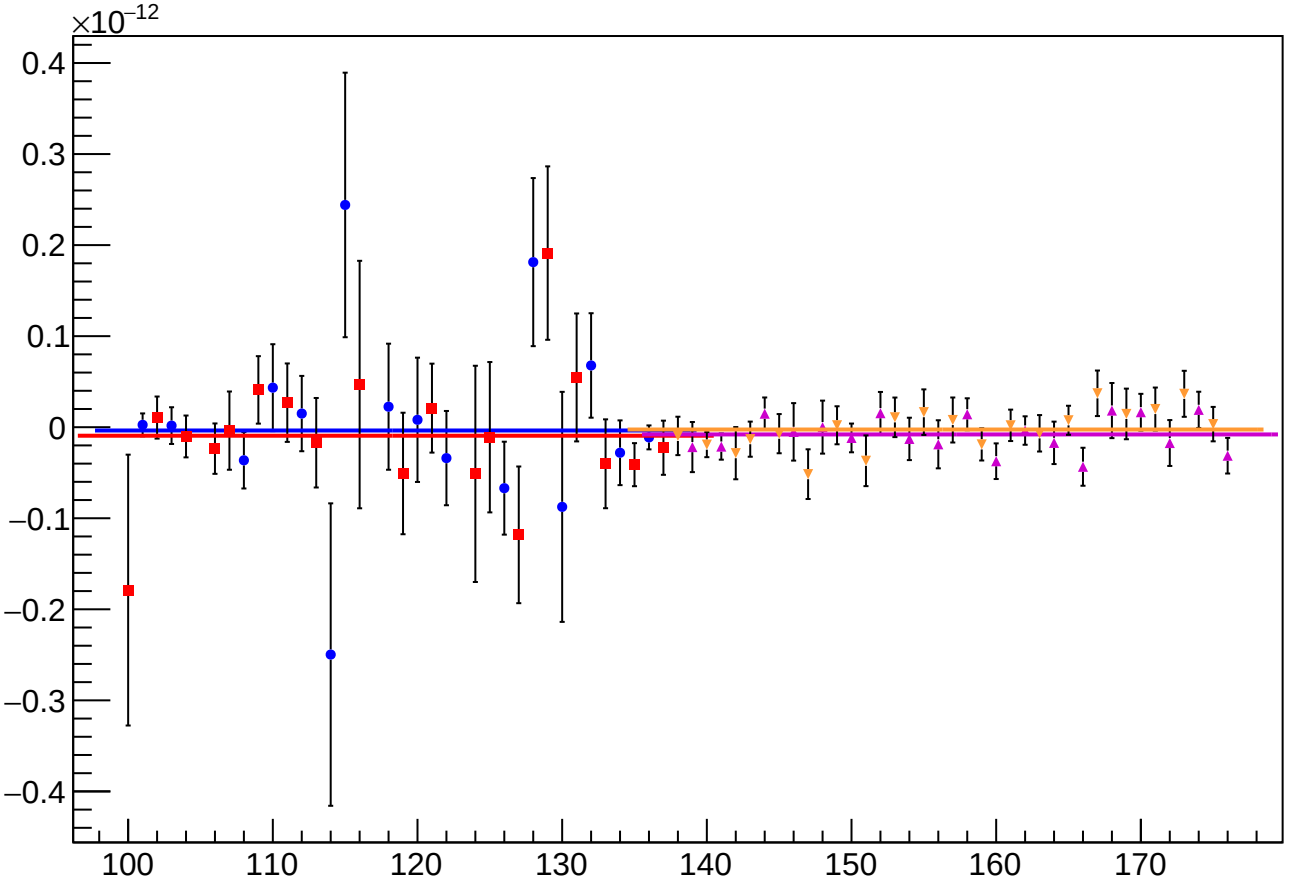
Left In: 54.543+/-0.010 χ^2/NDF:1212293.3/18

\+ sign 47.249+/-0.007 χ^2/NDF: 3544870.1/35

All: 46.669+/-0.005 χ^2/NDF: 8334981.4/73

\- sign 46.098+/-0.007 χ^2/NDF: 4777941.7/37

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:16.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

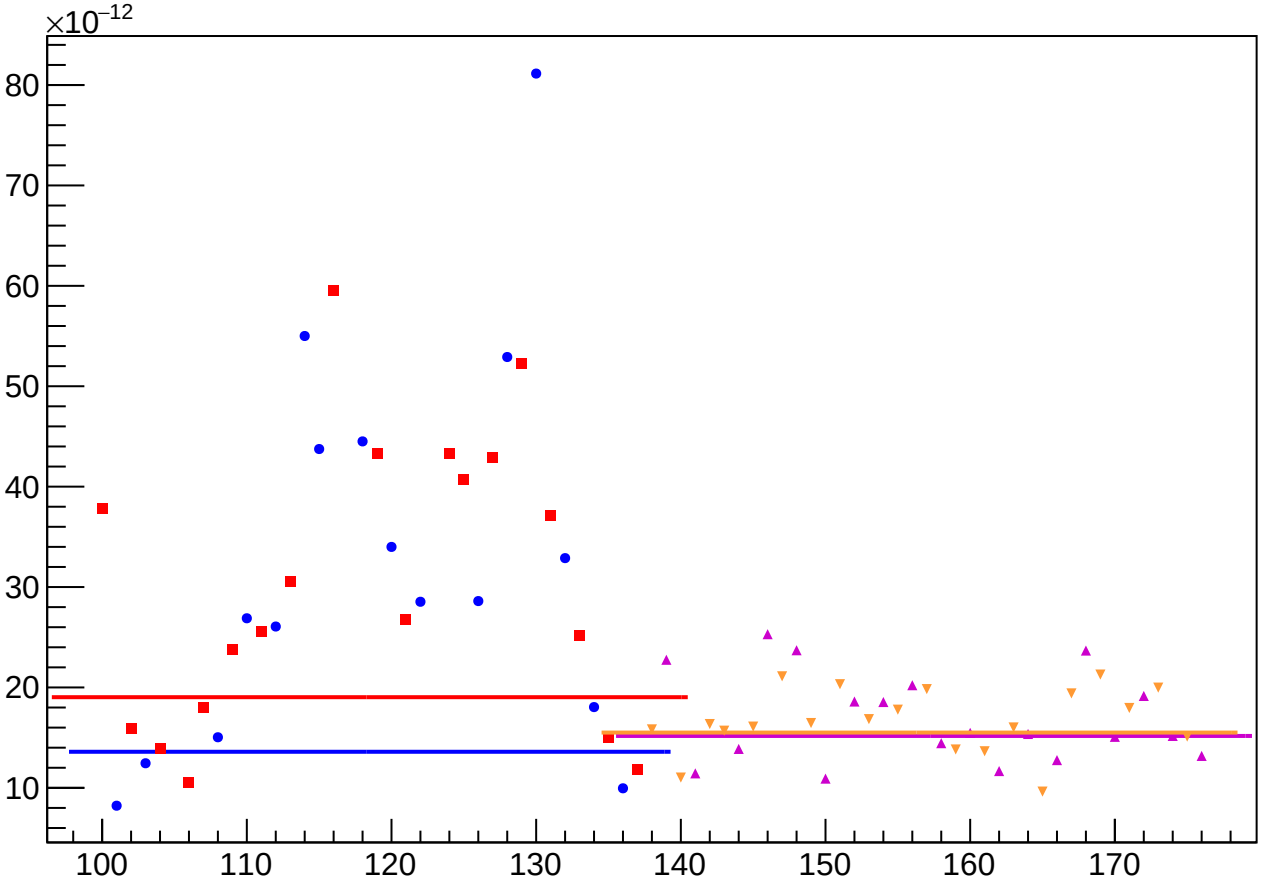
Left In: -0.000+/-0.000 χ^2/NDF:16.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 33.0/35

All: -0.000+/-0.000 χ^2/NDF: 66.3/73

- sign -0.000+/-0.000 χ^2/NDF: 32.5/37

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:983355.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

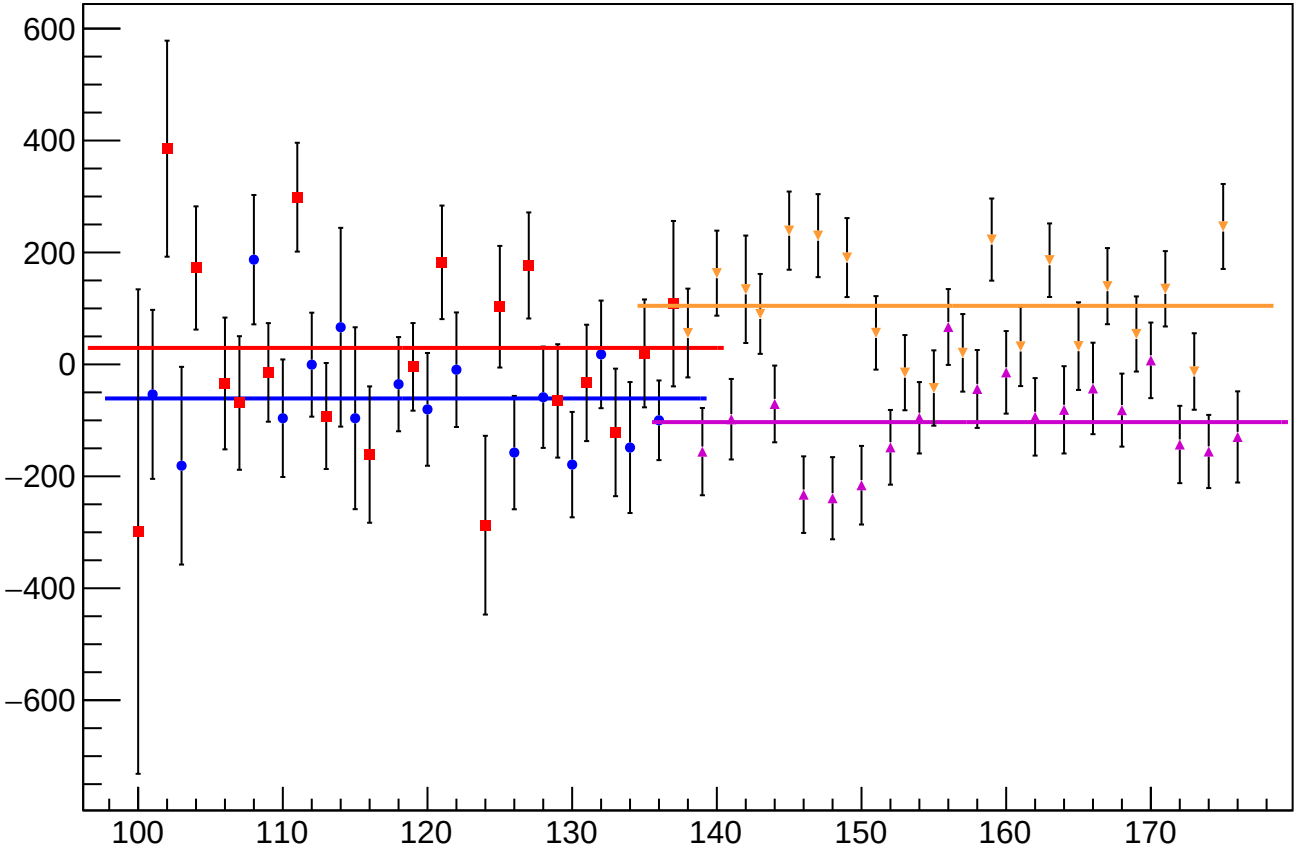
Left In: 0.000+/-0.000 χ^2/NDF:1338383.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 4269481.8/35

All: 0.000+/-0.000 χ^2/NDF: 8007560.5/73

- sign 0.000+/-0.000 χ^2/NDF: 3671735.4/37

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.673+/-15.946 χ^2/NDF:32.6/19

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

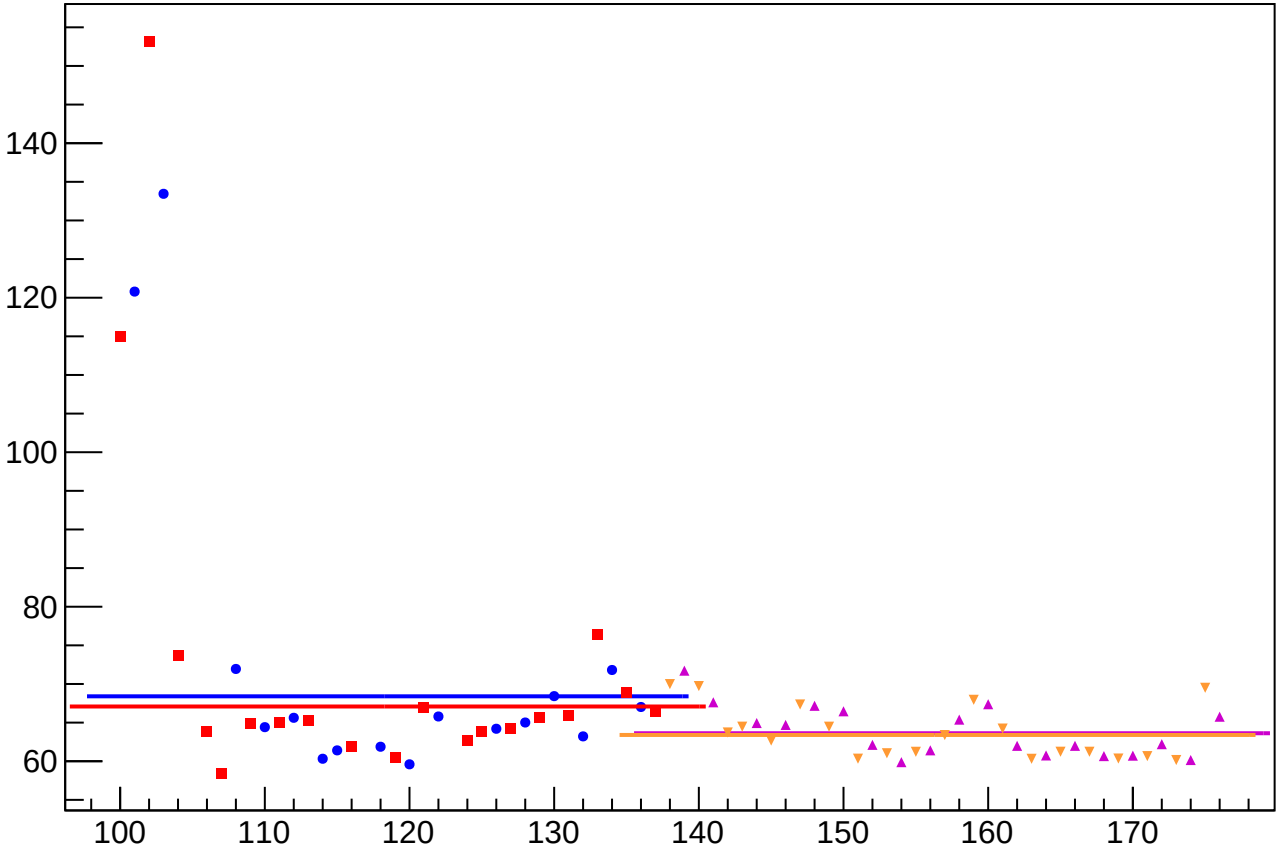
Left In: -103.128+/-16.176 χ^2/NDF:23.7/18

+ sign 59.565+/-13.601 χ^2/NDF: 72.5/35

All: -2.350+/-9.616 χ^2/NDF: 188.6/73

- sign -64.235+/-13.598 χ^2/NDF: 74.6/37

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.403+/-0.011 χ^2/NDF:84251.7/19

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

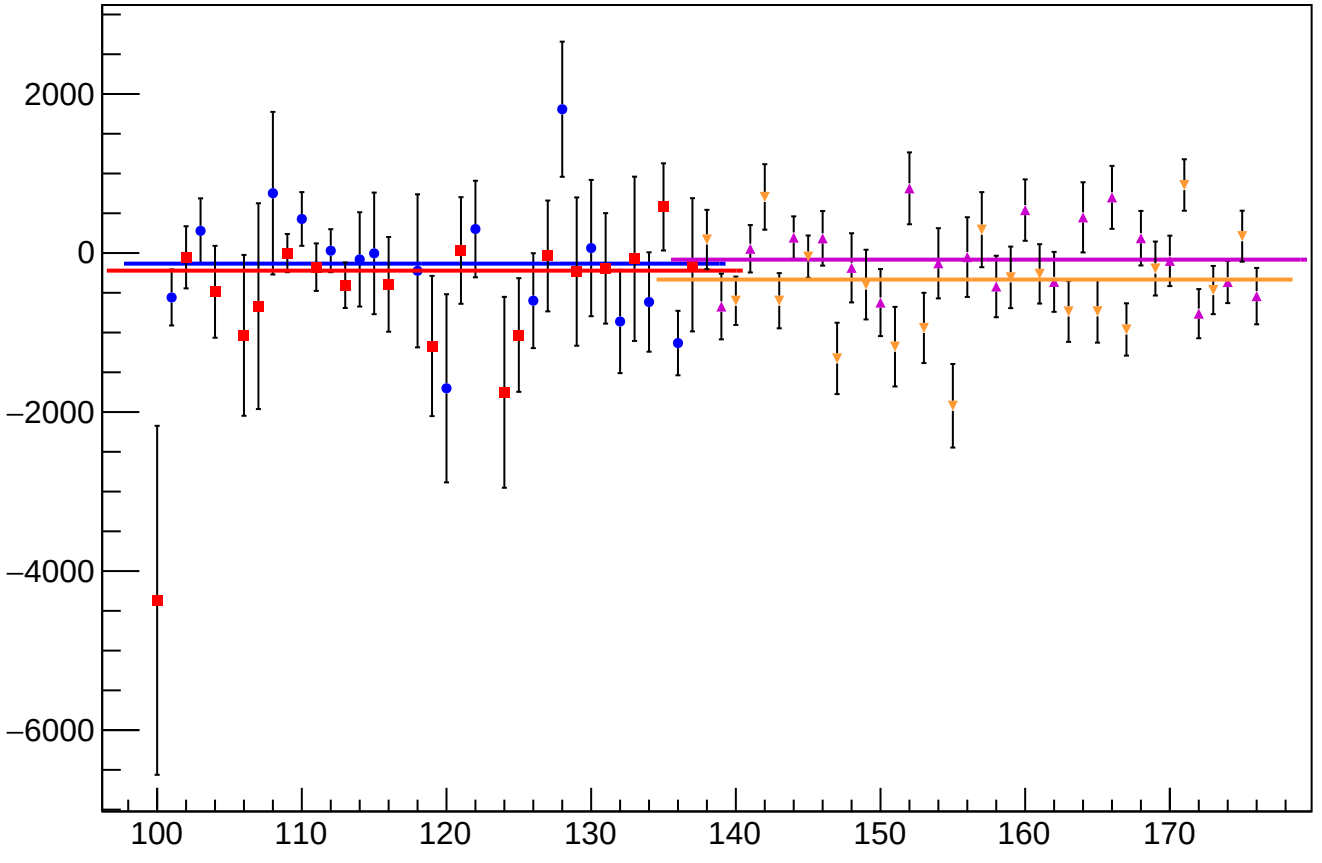
Left In: 63.624+/-0.011 χ^2/NDF:73761.4/18

+ sign 64.766+/-0.010 χ^2/NDF: 707407.6/35

All: 64.702+/-0.007 χ^2/NDF: 1289945.1/73

- sign 64.639+/-0.010 χ^2/NDF: 582451.4/37

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -333.321+/-81.949 χ^2/NDF:53.8/19

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

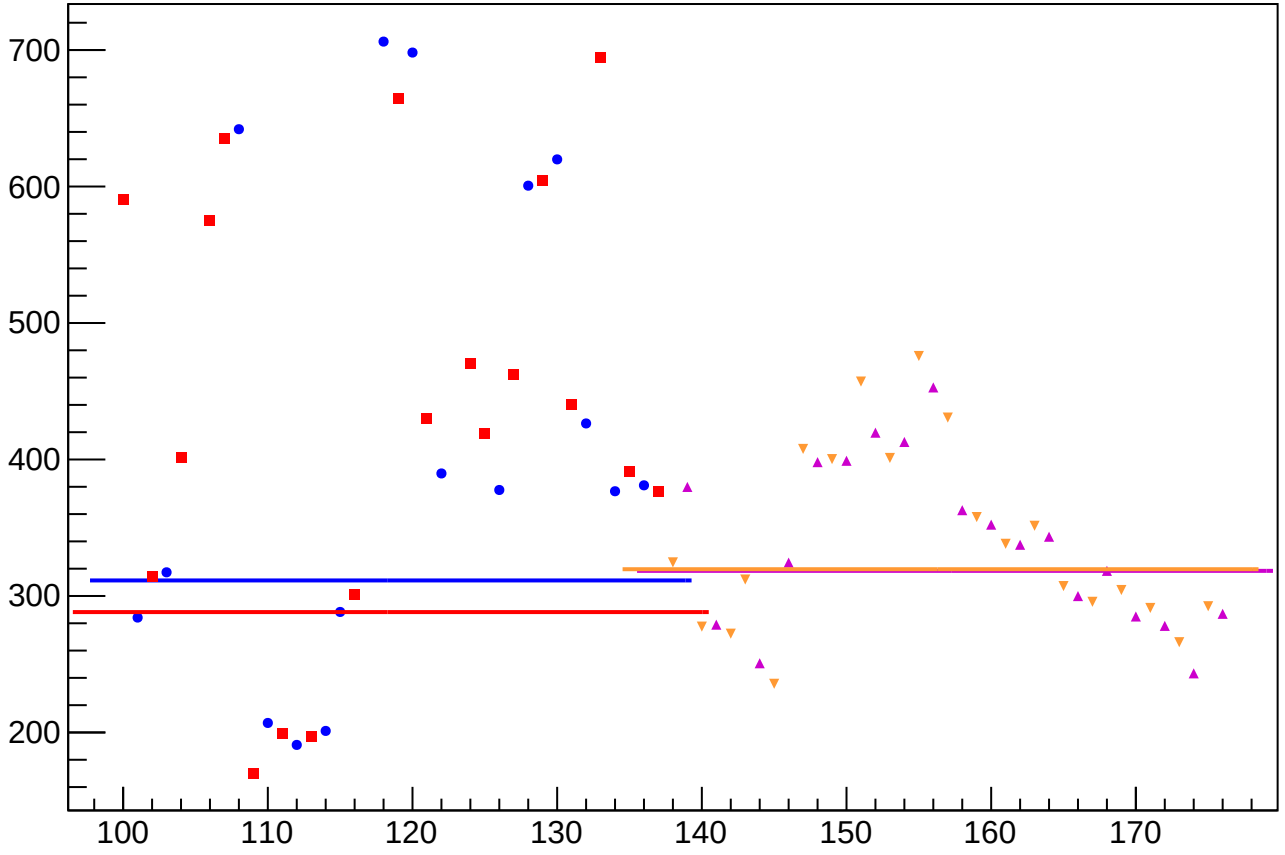
Left In: -83.063+/-82.297 χ^2/NDF:27.1/18

+ sign -273.884+/-68.682 χ^2/NDF: 78.0/35

All: -199.847+/-48.128 χ^2/NDF: 120.9/73

- sign -128.419+/-67.461 χ^2/NDF: 40.6/37

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 319.609+/-0.058 χ^2/NDF:1062879.9/19

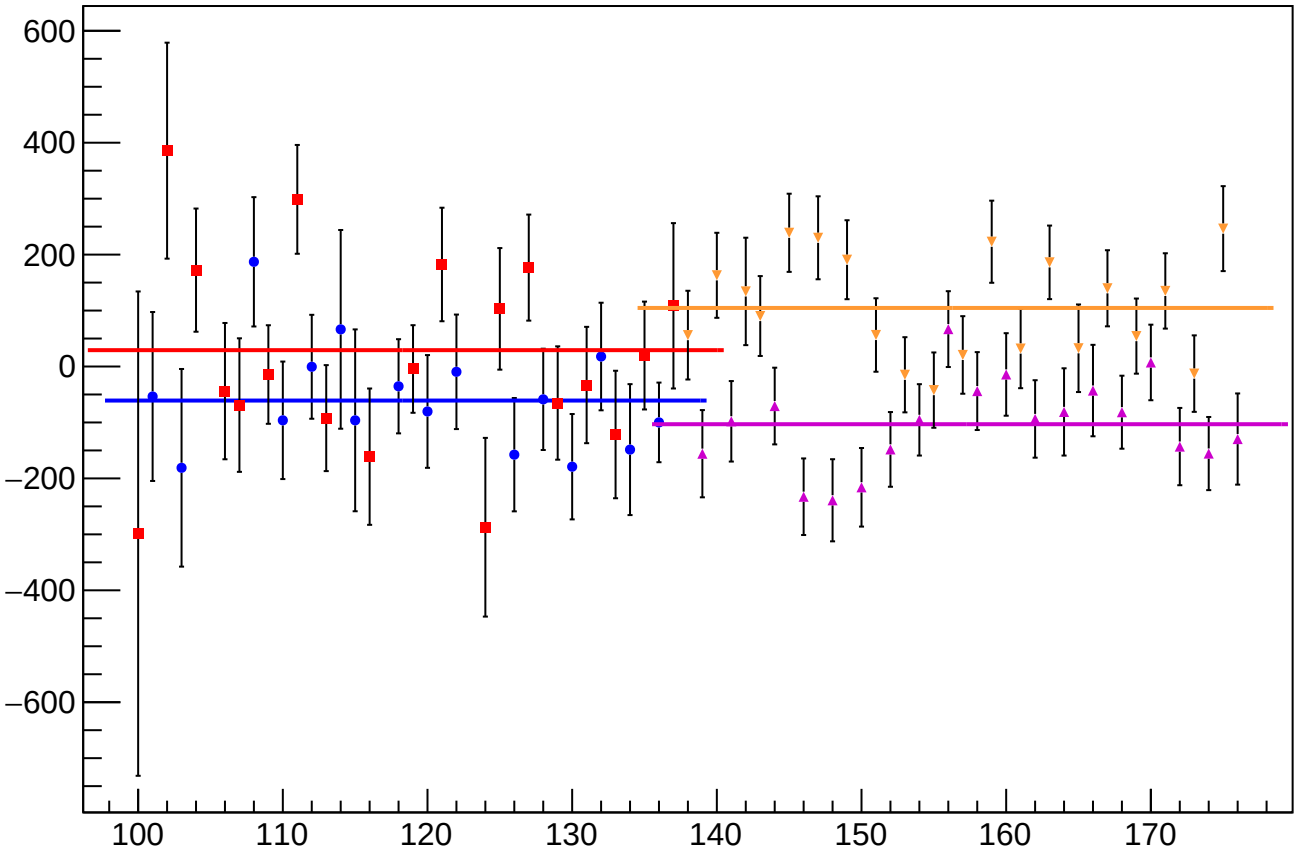
Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 318.409+/-0.058 χ^2/NDF:975488.1/18

+ sign 317.162+/-0.049 χ^2/NDF: 3192670.6/35

All: 312.754+/-0.034 χ^2/NDF: 6988106.5/73

- sign 308.500+/-0.048 χ^2/NDF: 3779245.3/37



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.673+/-15.946 χ^2/NDF:32.6/19

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

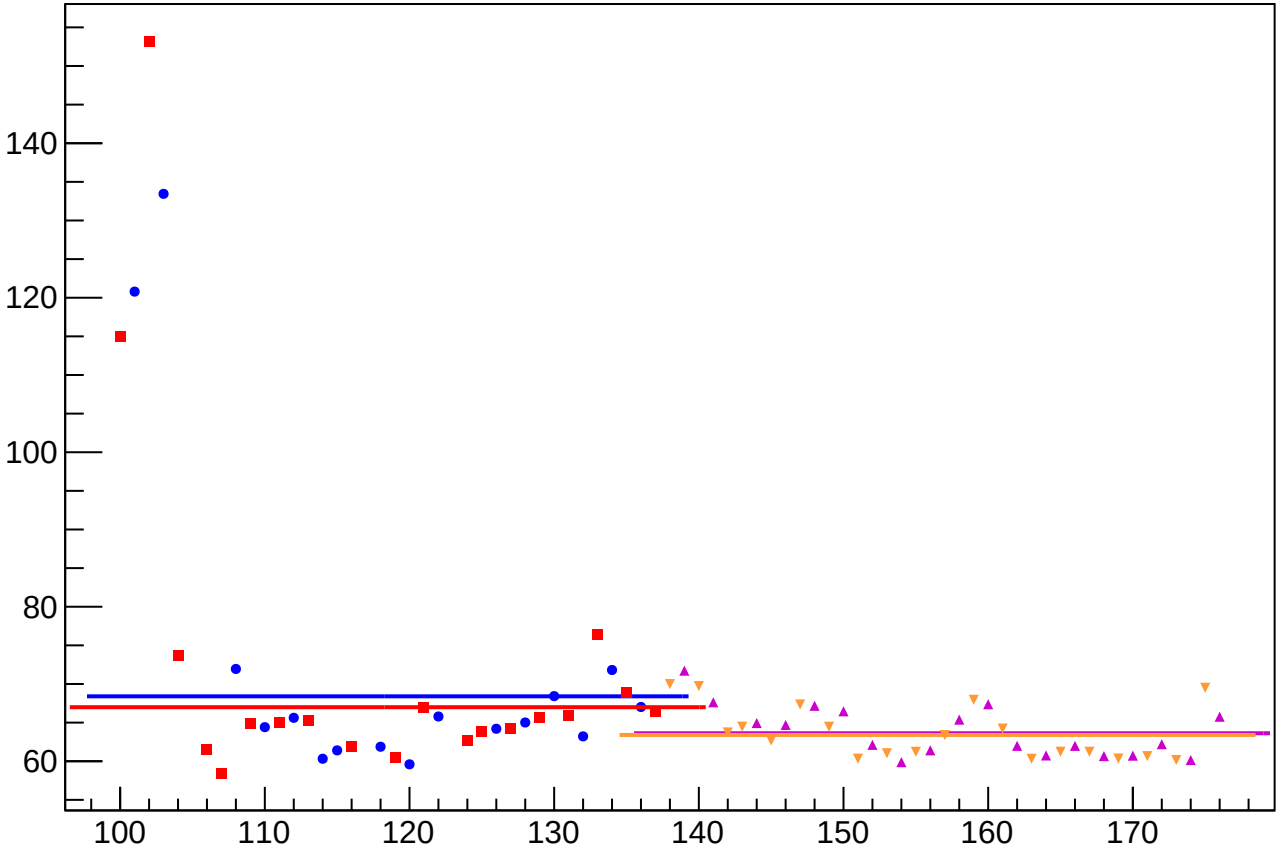
Left In: -103.125+/-16.176 χ^2/NDF:23.7/18

+ sign 59.565+/-13.601 χ^2/NDF: 72.5/35

All: -2.398+/-9.618 χ^2/NDF: 188.6/73

- sign -64.383+/-13.604 χ^2/NDF: 74.6/37

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.403+/-0.011 χ^2/NDF:84251.7/19

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

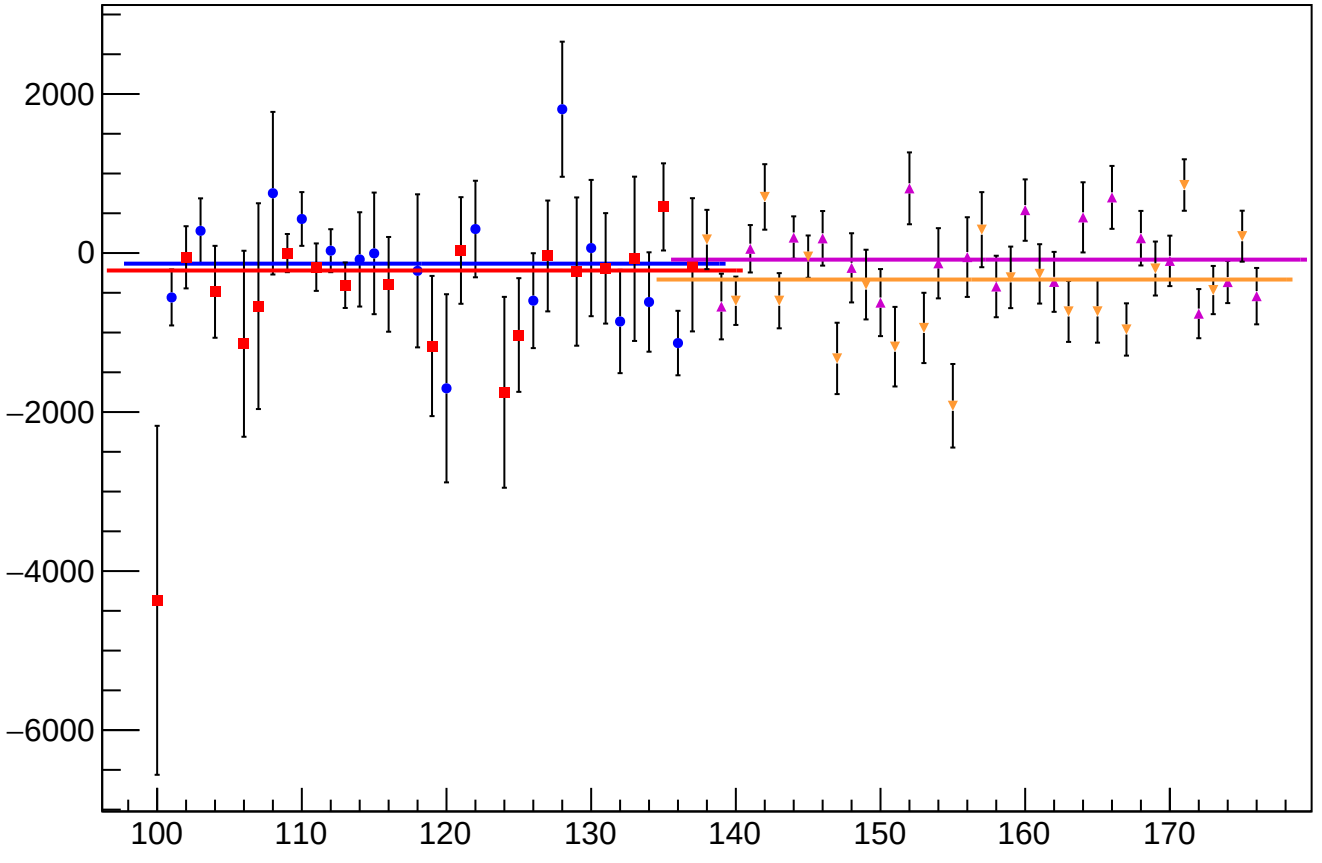
Left In: 63.624+/-0.011 χ^2/NDF:73761.4/18

+ sign 64.766+/-0.010 χ^2/NDF: 707408.0/35

All: 64.688+/-0.007 χ^2/NDF: 1291211.9/73

- sign 64.611+/-0.010 χ^2/NDF: 583674.1/37

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -333.322+/-81.949 χ^2/NDF:53.8/19

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

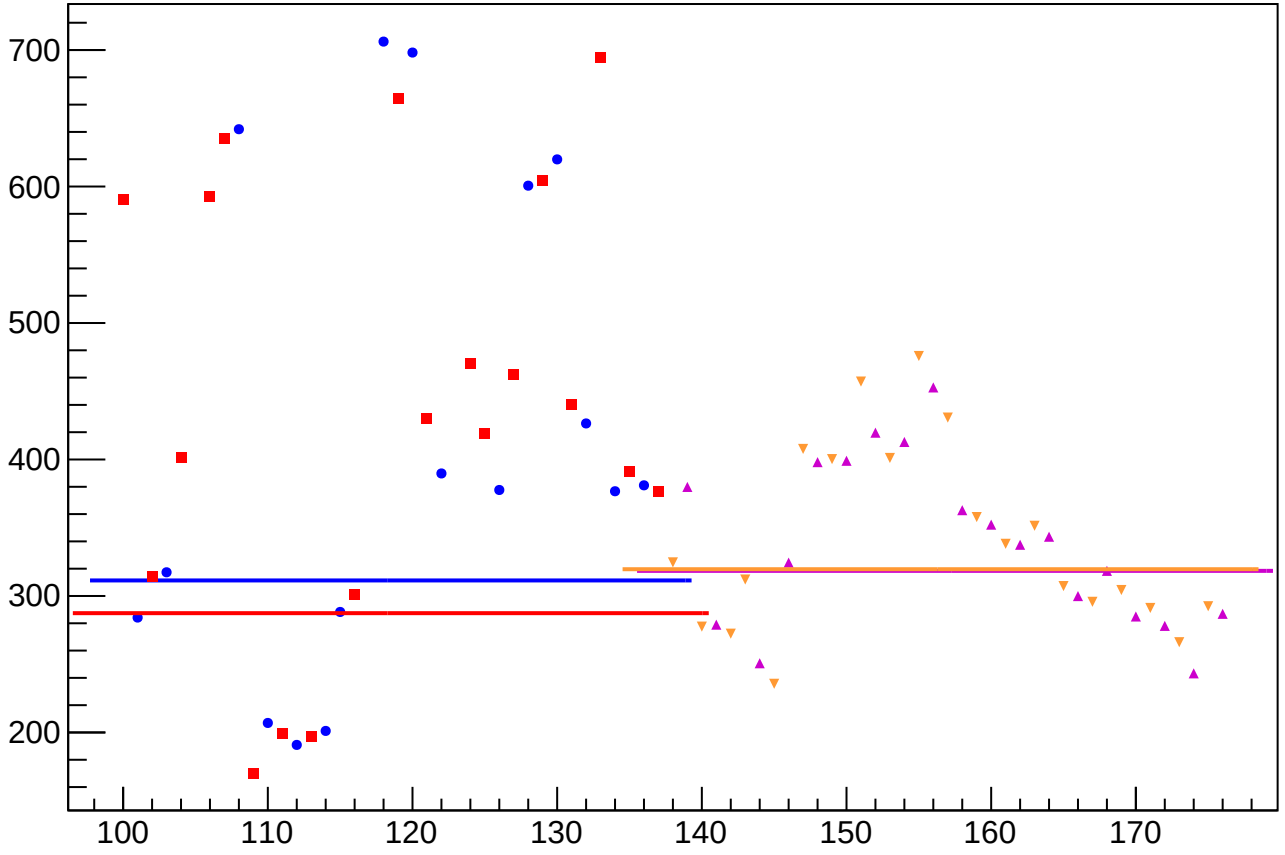
Left In: -83.056+/-82.297 χ^2/NDF:27.1/18

+ sign -273.885+/-68.682 χ^2/NDF: 78.0/35

All: -199.548+/-48.142 χ^2/NDF: 120.9/73

- sign -127.748+/-67.499 χ^2/NDF: 40.6/37

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 319.609+/-0.058 χ^2/NDF:1062884.0/19

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

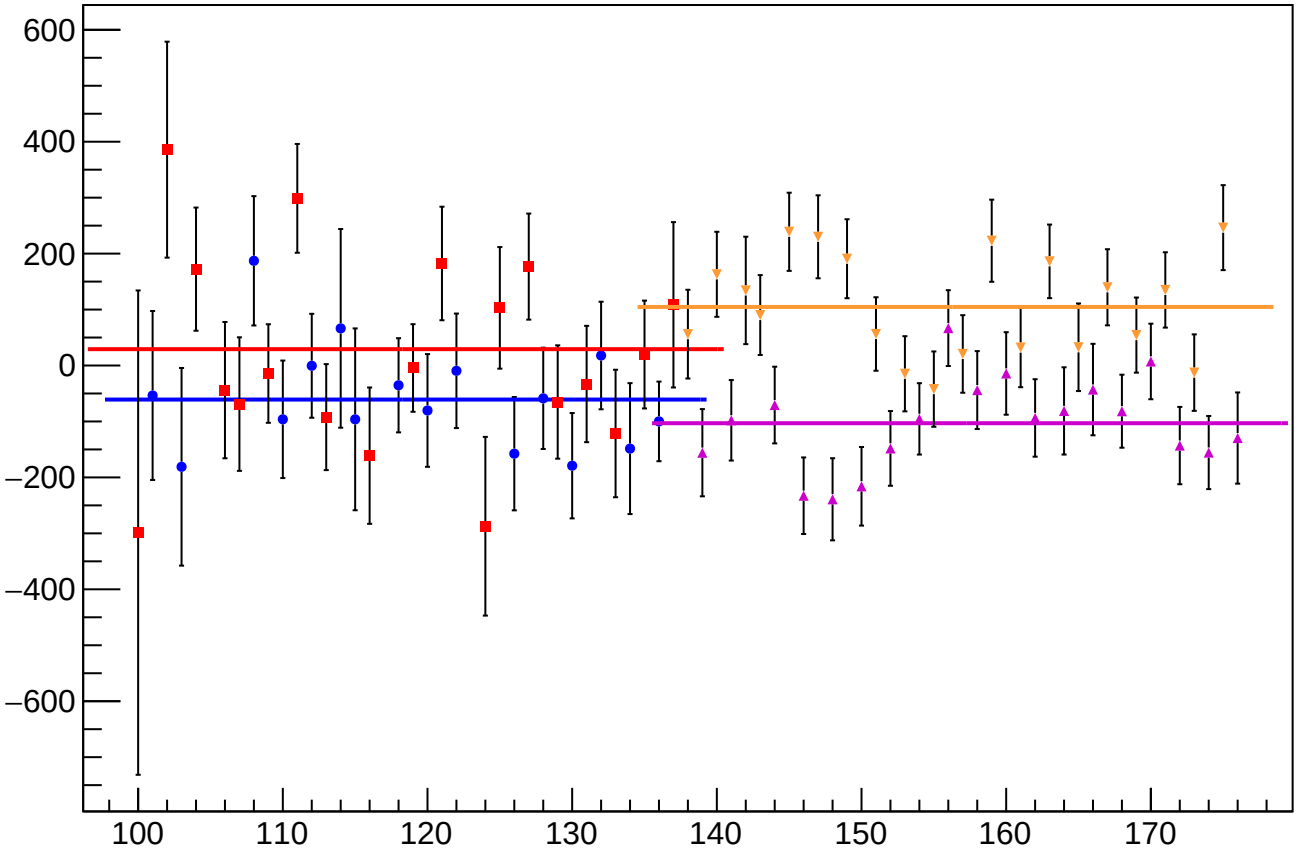
Left In: 318.409+/-0.058 χ^2/NDF:975493.5/18

+ sign 317.163+/-0.049 χ^2/NDF: 3192672.9/35

All: 312.637+/-0.034 χ^2/NDF: 6968351.5/73

- sign 308.265+/-0.048 χ^2/NDF: 3758602.4/37

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.673+/-15.946 χ^2/NDF:32.6/19

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

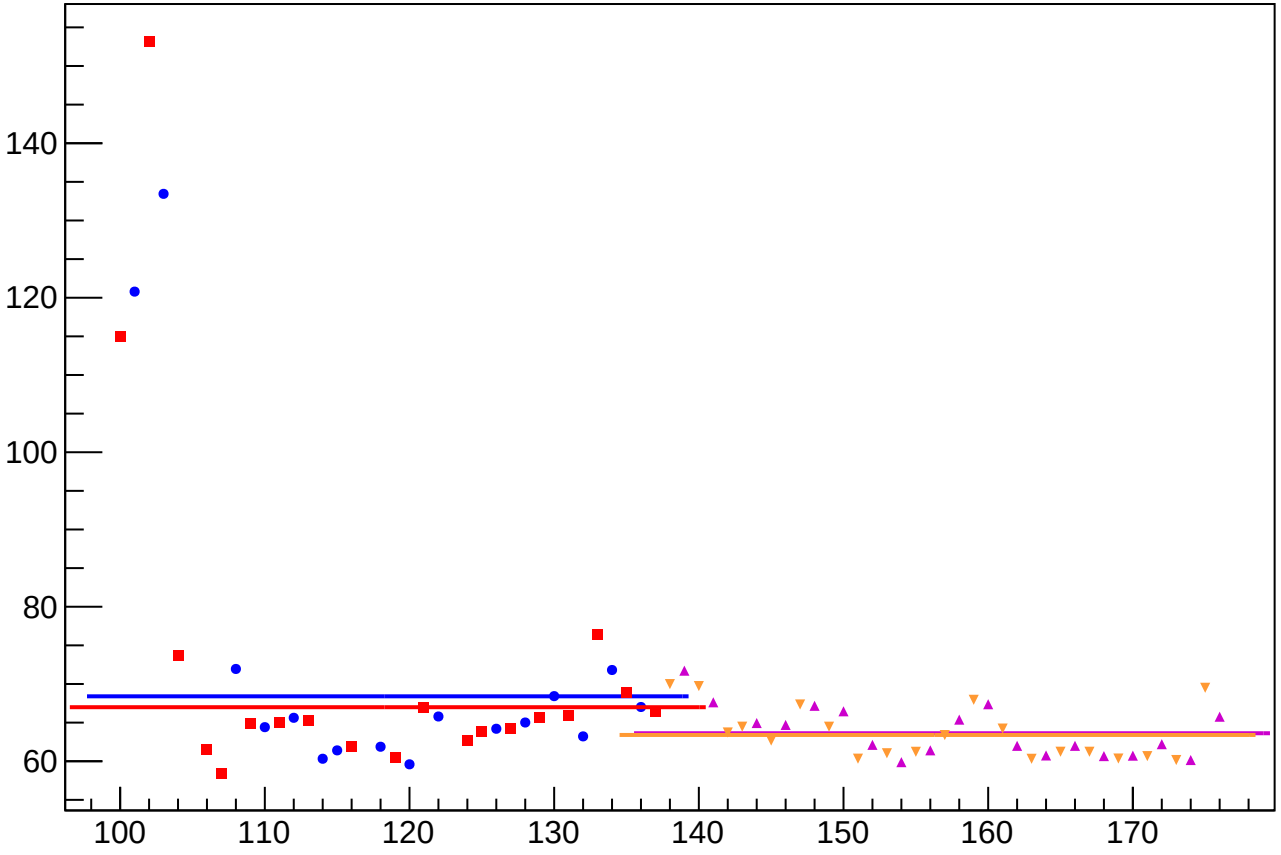
Left In: -103.125+/-16.176 χ^2/NDF:23.7/18

+ sign 59.565+/-13.601 χ^2/NDF: 72.5/35

All: -2.398+/-9.618 χ^2/NDF: 188.6/73

- sign -64.383+/-13.604 χ^2/NDF: 74.6/37

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.403+/-0.011 χ^2/NDF:84251.7/19

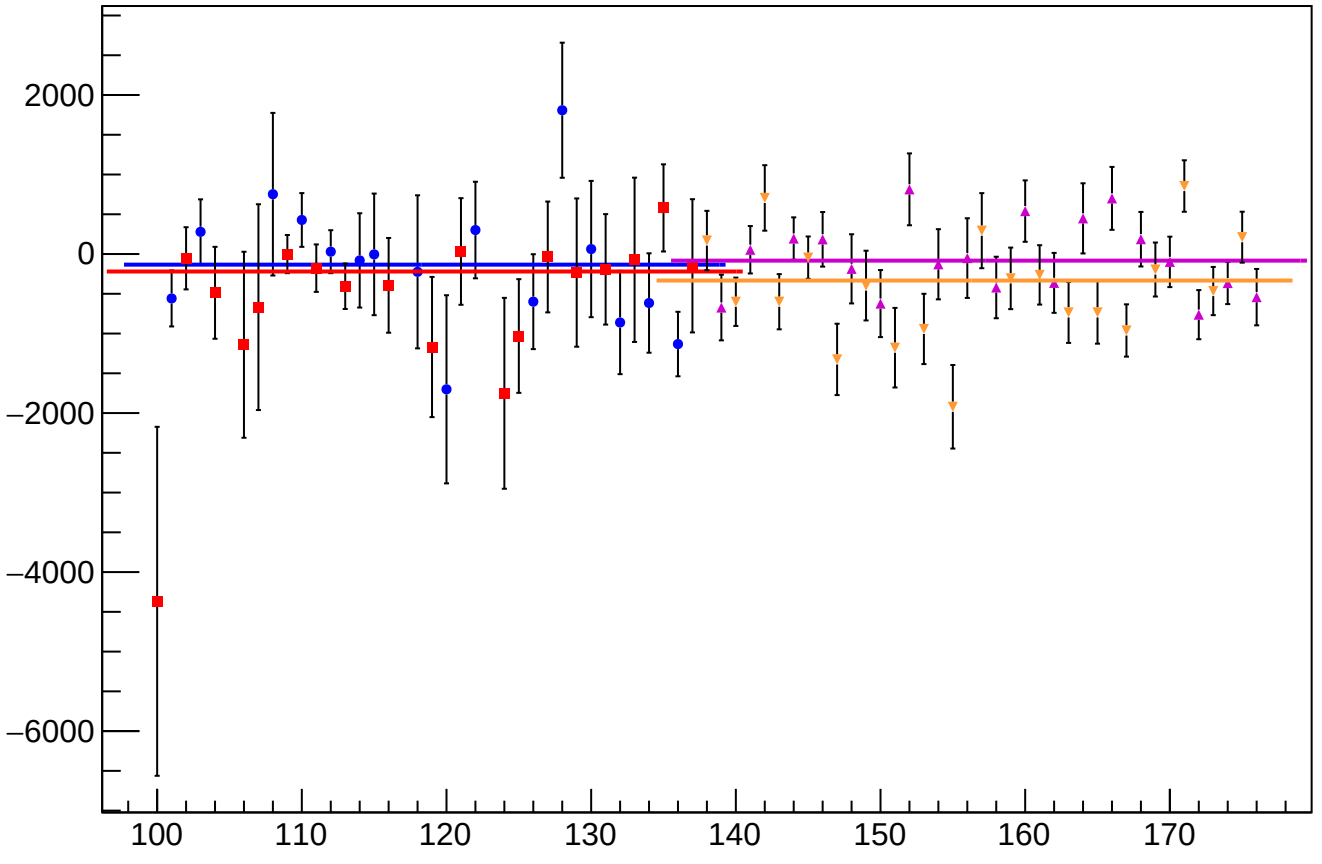
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.624+/-0.011 χ^2/NDF:73761.4/18

+ sign 64.766+/-0.010 χ^2/NDF: 707408.0/35

All: 64.688+/-0.007 χ^2/NDF: 1291211.9/73

- sign 64.611+/-0.010 χ^2/NDF: 583674.1/37



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -333.322+/-81.949 χ^2/NDF:53.8/19

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

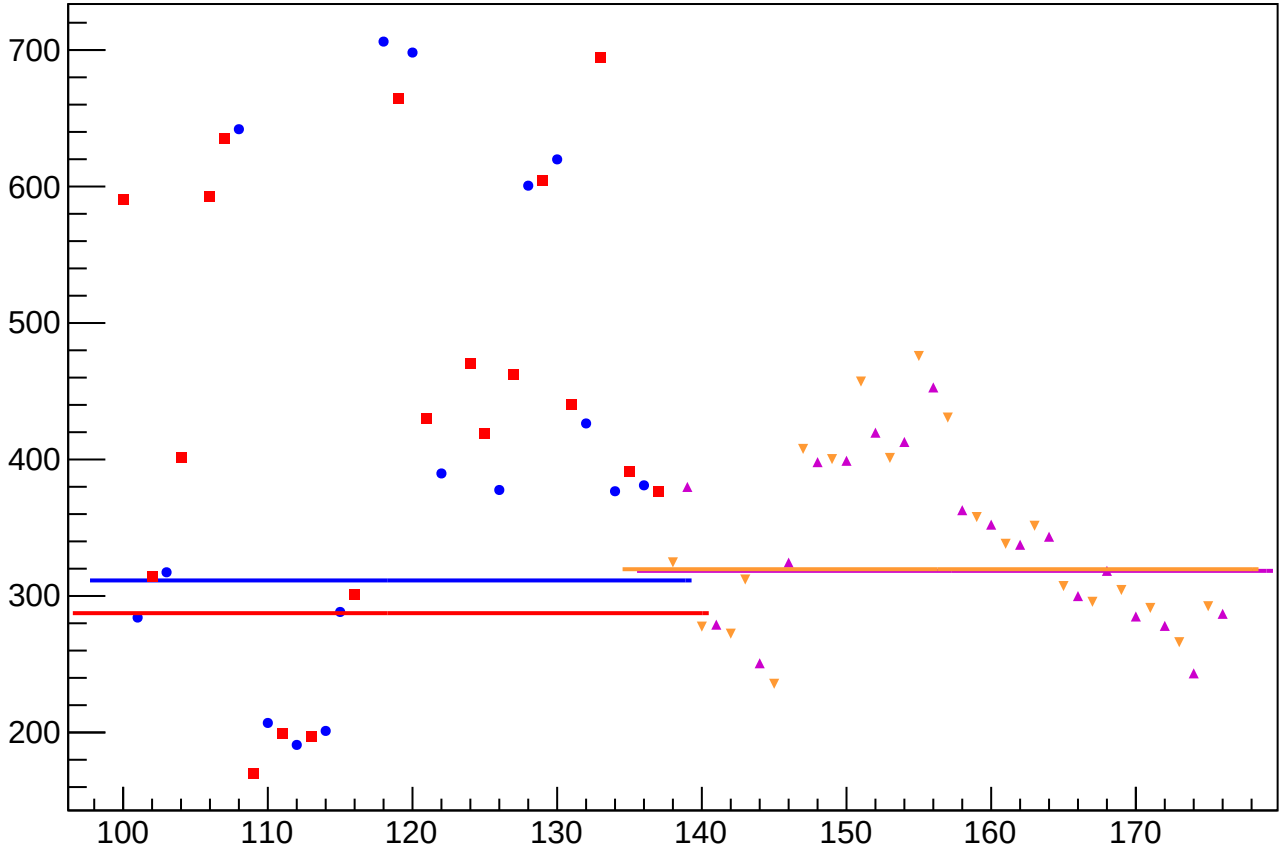
Left In: -83.056+/-82.297 χ^2/NDF:27.1/18

+ sign -273.885+/-68.682 χ^2/NDF: 78.0/35

All: -199.548+/-48.142 χ^2/NDF: 120.9/73

- sign -127.748+/-67.499 χ^2/NDF: 40.6/37

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 319.609+/-0.058 χ^2/NDF:1062884.0/19

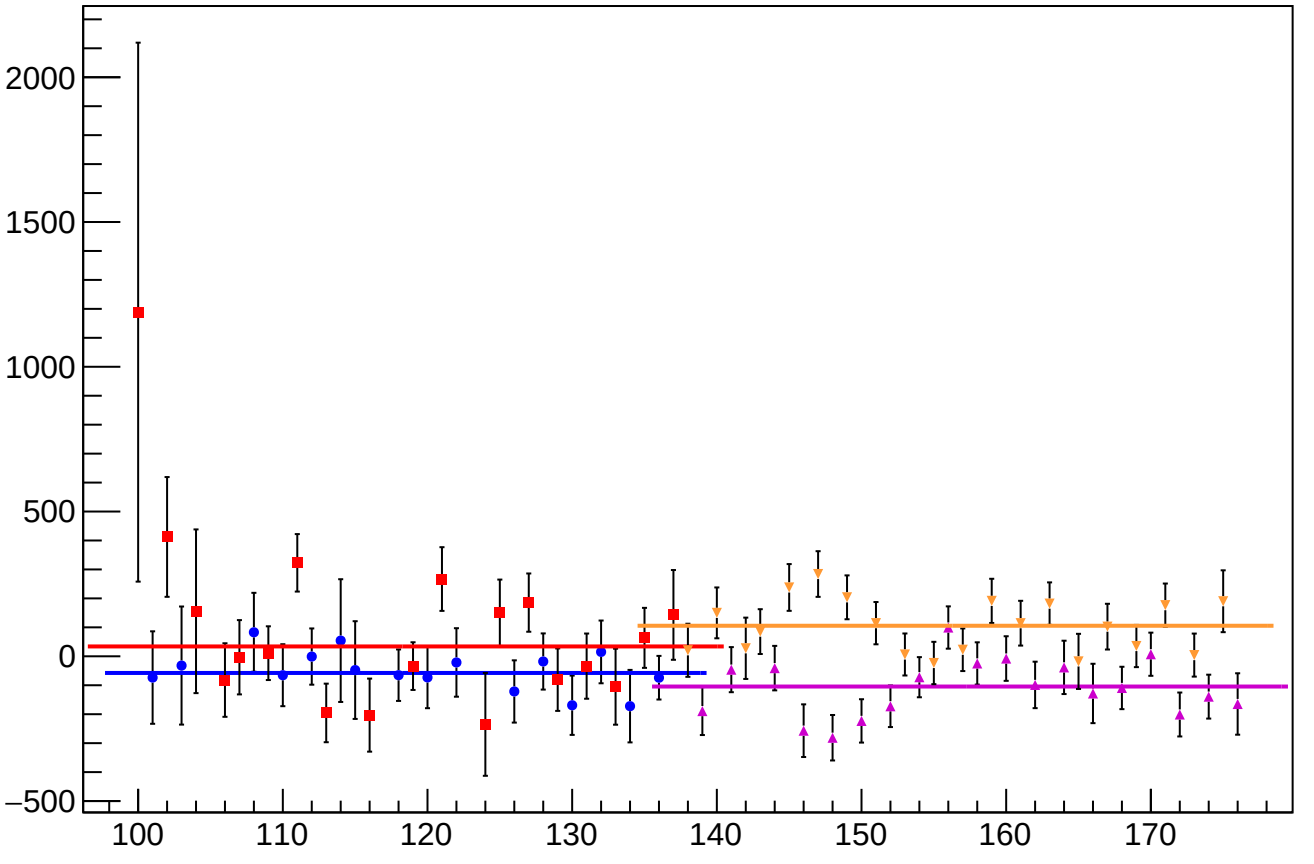
Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 318.409+/-0.058 χ^2/NDF:975493.5/18

+ sign 317.163+/-0.049 χ^2/NDF: 3192672.9/35

All: 312.637+/-0.034 χ^2/NDF: 6968351.5/73

- sign 308.265+/-0.048 χ^2/NDF: 3758602.4/37



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 105.499+/-17.750 χ^2/NDF:25.8/19

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

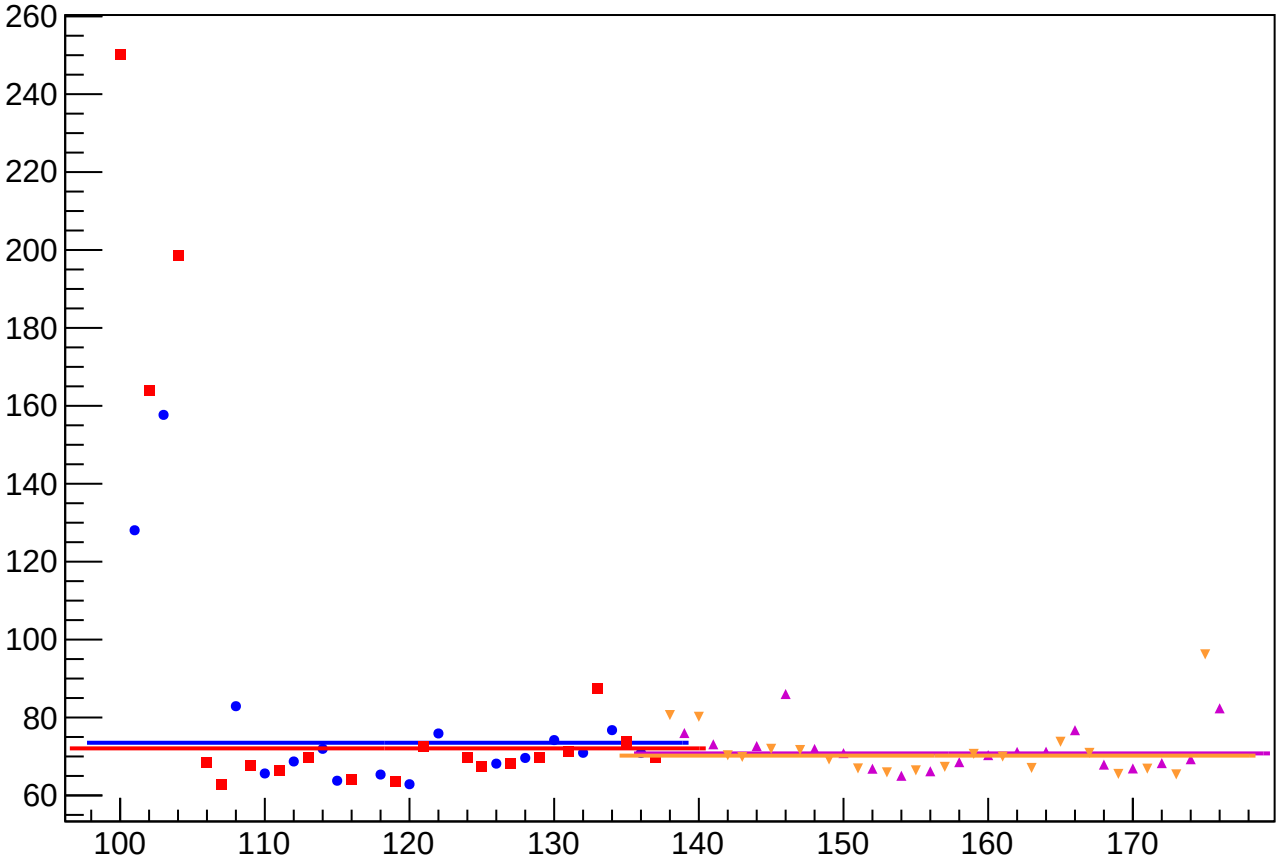
Left In: -104.414+/-18.081 χ^2/NDF:29.3/18

+ sign 58.969+/-15.005 χ^2/NDF: 54.8/35

All: -1.372+/-10.640 χ^2/NDF: 171.6/73

- sign -62.411+/-15.091 χ^2/NDF: 84.3/37

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.218+/-0.013 χ^2/NDF:218976.6/19

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

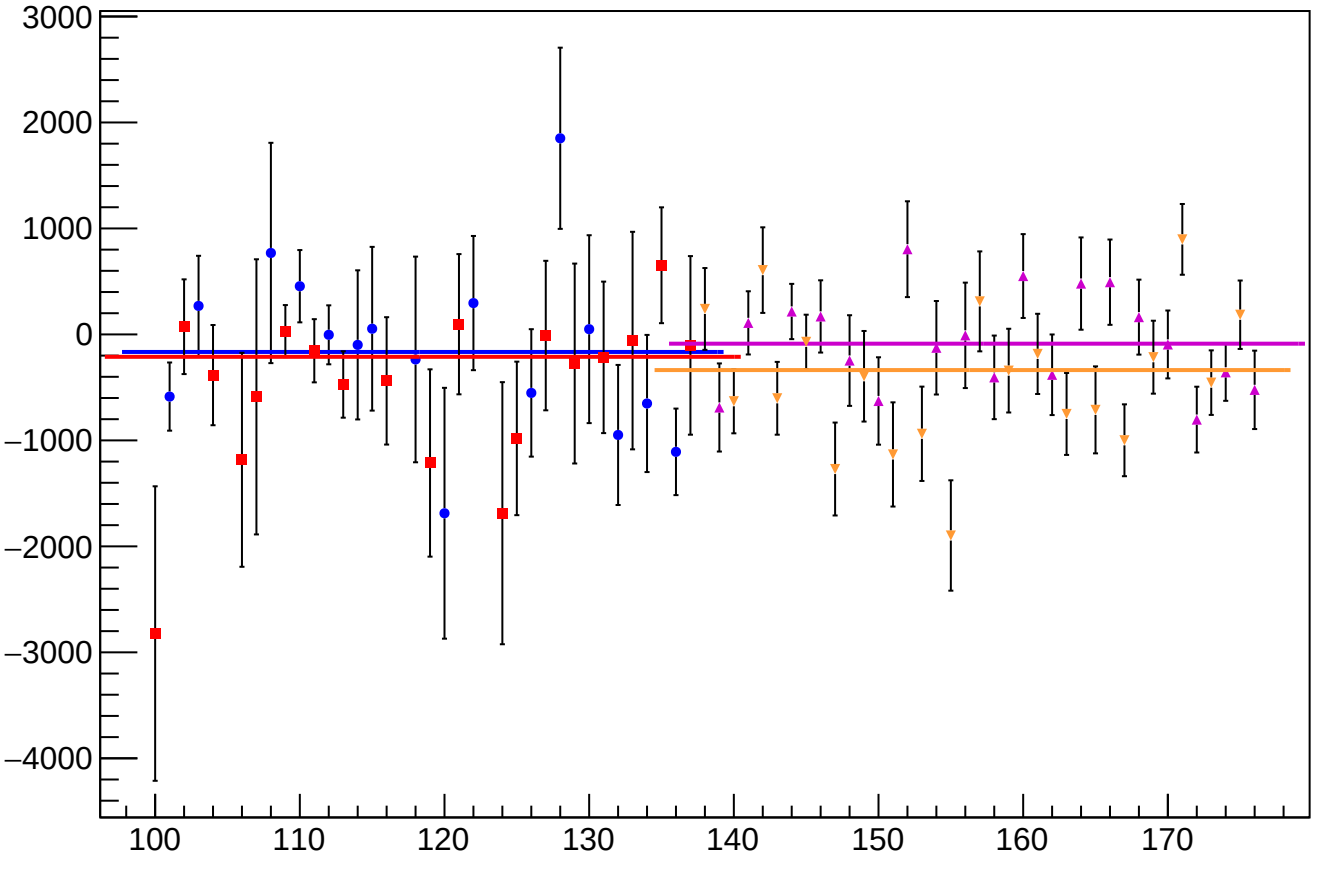
Left In: 70.784+/-0.013 χ^2/NDF:139113.4/18

+ sign 71.160+/-0.011 χ^2/NDF: 895561.5/35

All: 71.168+/-0.008 χ^2/NDF: 1996260.1/73

- sign 71.175+/-0.011 χ^2/NDF: 1100697.6/37

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -336.530+/-82.200 χ^2/NDF:52.7/19

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

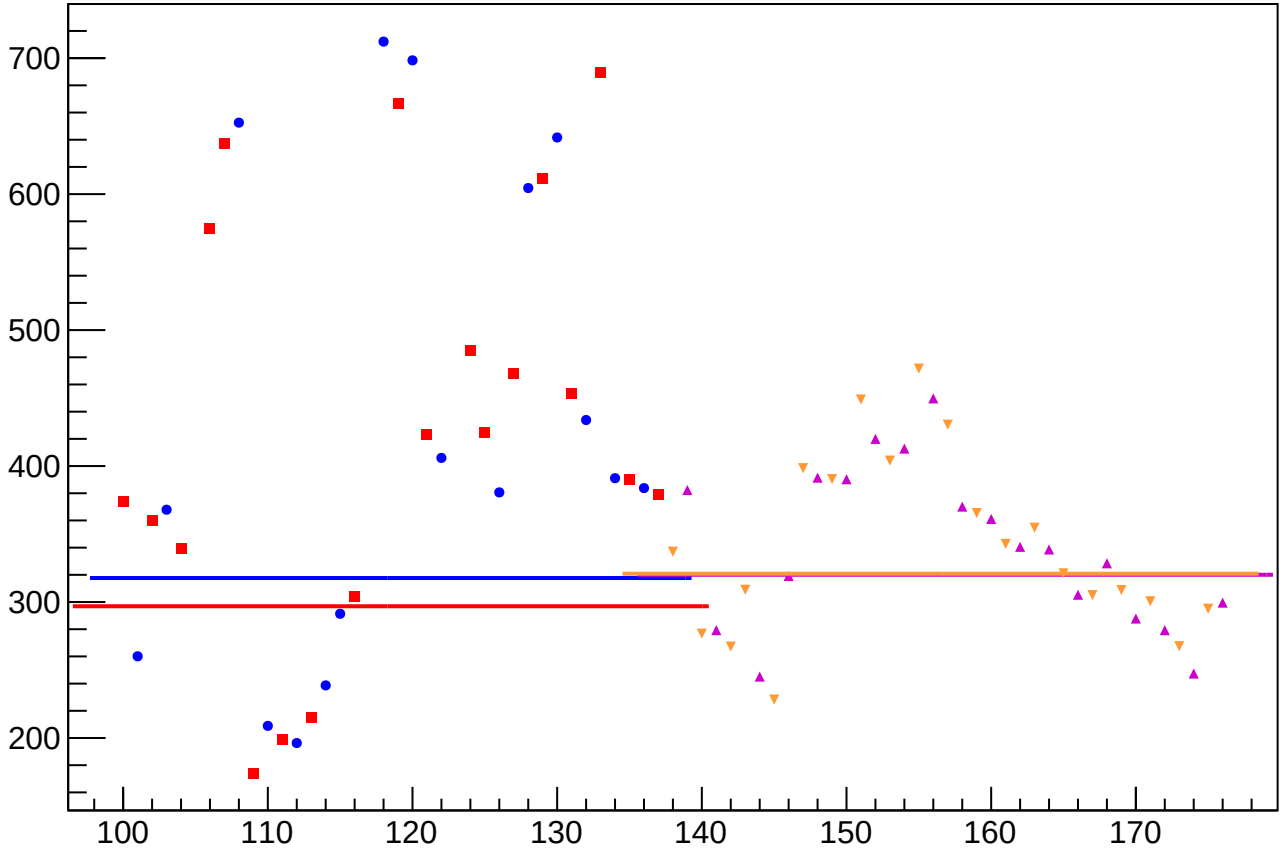
Left In: -87.448+/-82.709 χ^2/NDF:26.1/18

+ sign -286.832+/-69.235 χ^2/NDF: 76.6/35

All: -205.772+/-48.558 χ^2/NDF: 119.7/73

- sign -127.296+/-68.123 χ^2/NDF: 40.4/37

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 320.822+/-0.058 χ^2/NDF:1077308.2/19

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

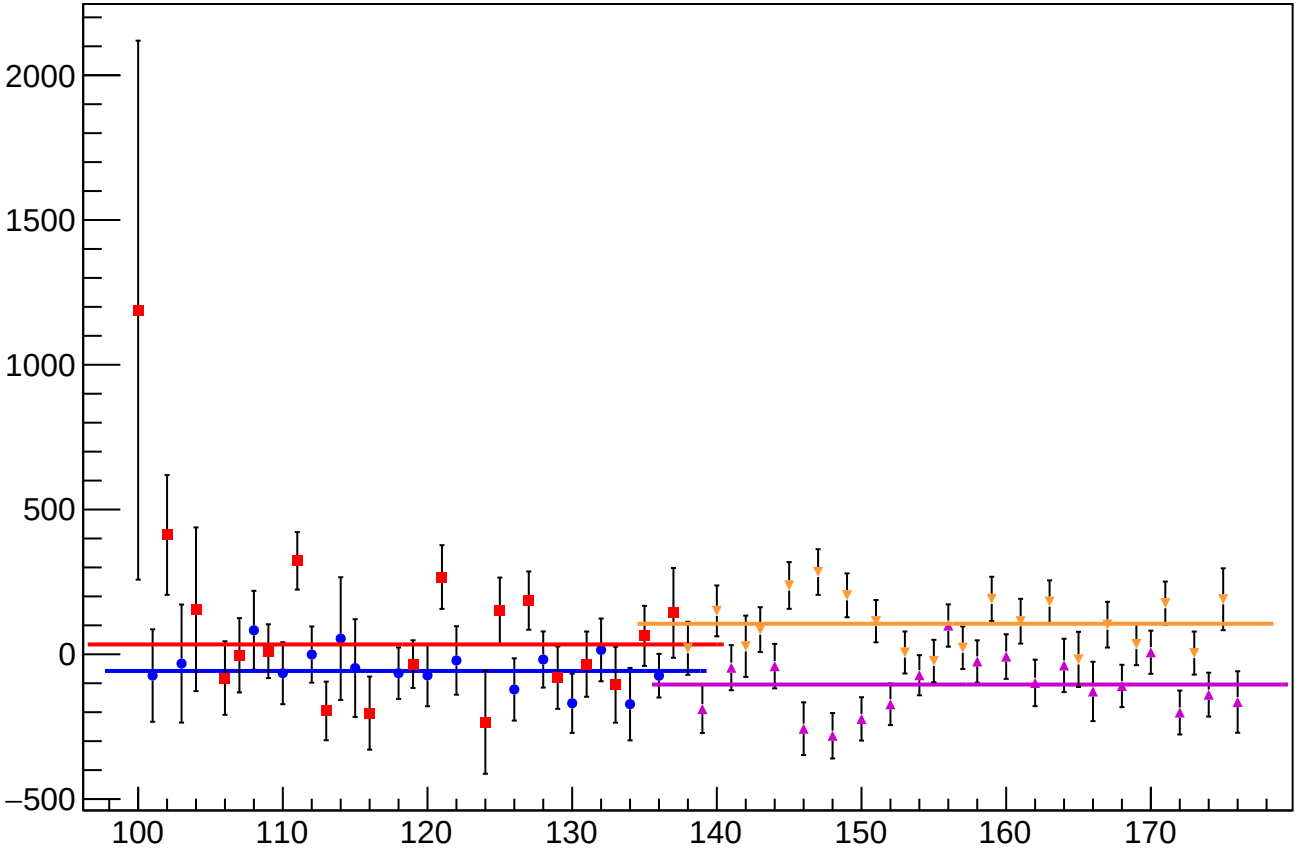
Left In: 320.051+/-0.058 χ^2/NDF:956891.7/18

+ sign 319.905+/-0.049 χ^2/NDF: 3214359.0/35

All: 316.194+/-0.034 χ^2/NDF: 6774047.3/73

- sign 312.602+/-0.048 χ^2/NDF: 3548381.9/37

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 105.498+/-17.750 χ^2/NDF:25.8/19

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

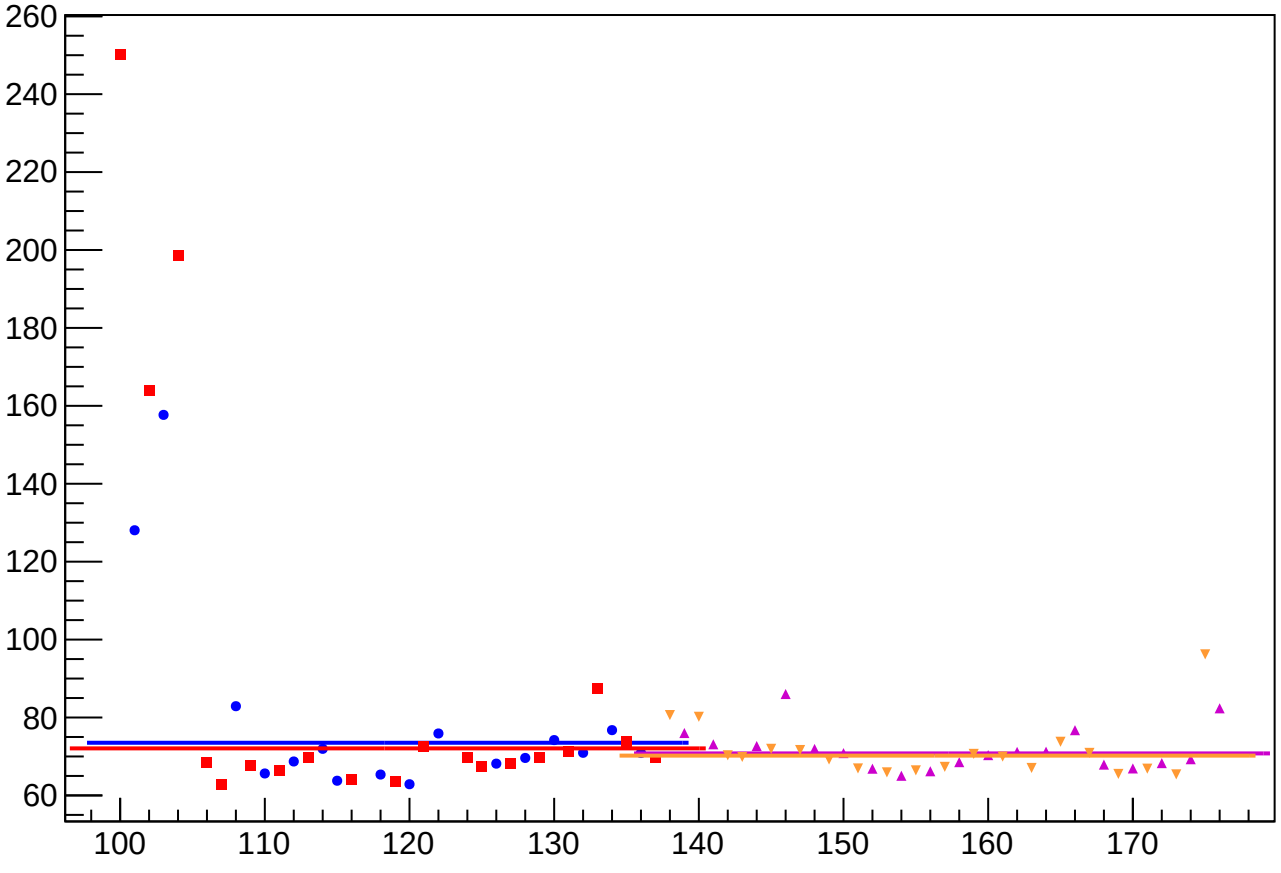
Left In: -104.414+/-18.081 χ^2/NDF:29.3/18

+ sign 58.969+/-15.005 χ^2/NDF: 54.8/35

All: -1.372+/-10.640 χ^2/NDF: 171.6/73

- sign -62.410+/-15.091 χ^2/NDF: 84.3/37

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.218+/-0.013 χ^2/NDF:218975.9/19

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

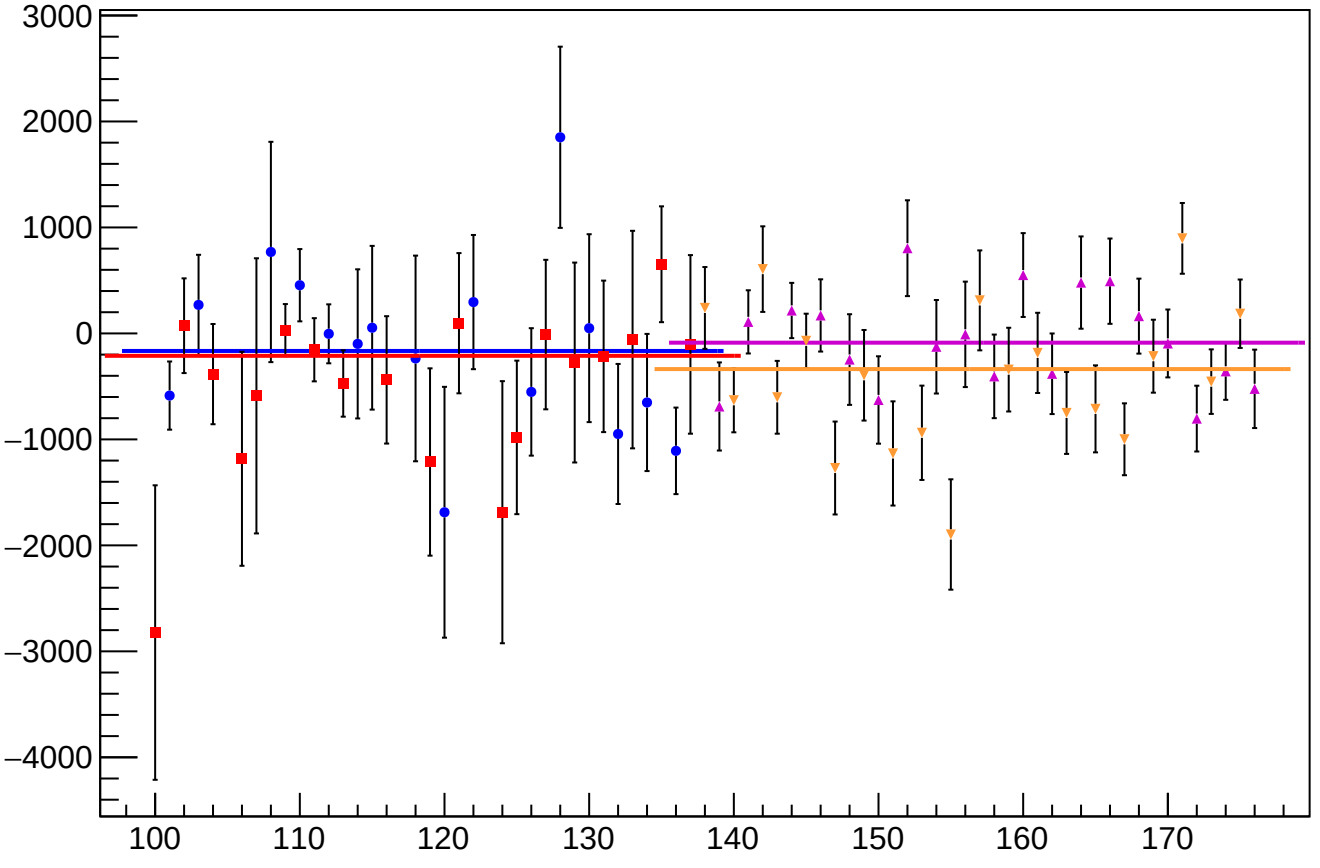
Left In: 70.784+/-0.013 χ^2/NDF:139113.0/18

+ sign 71.160+/-0.011 χ^2/NDF: 895560.7/35

All: 71.168+/-0.008 χ^2/NDF: 1996259.6/73

- sign 71.175+/-0.011 χ^2/NDF: 1100697.9/37

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -336.530+/-82.200 χ^2/NDF:52.7/19

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

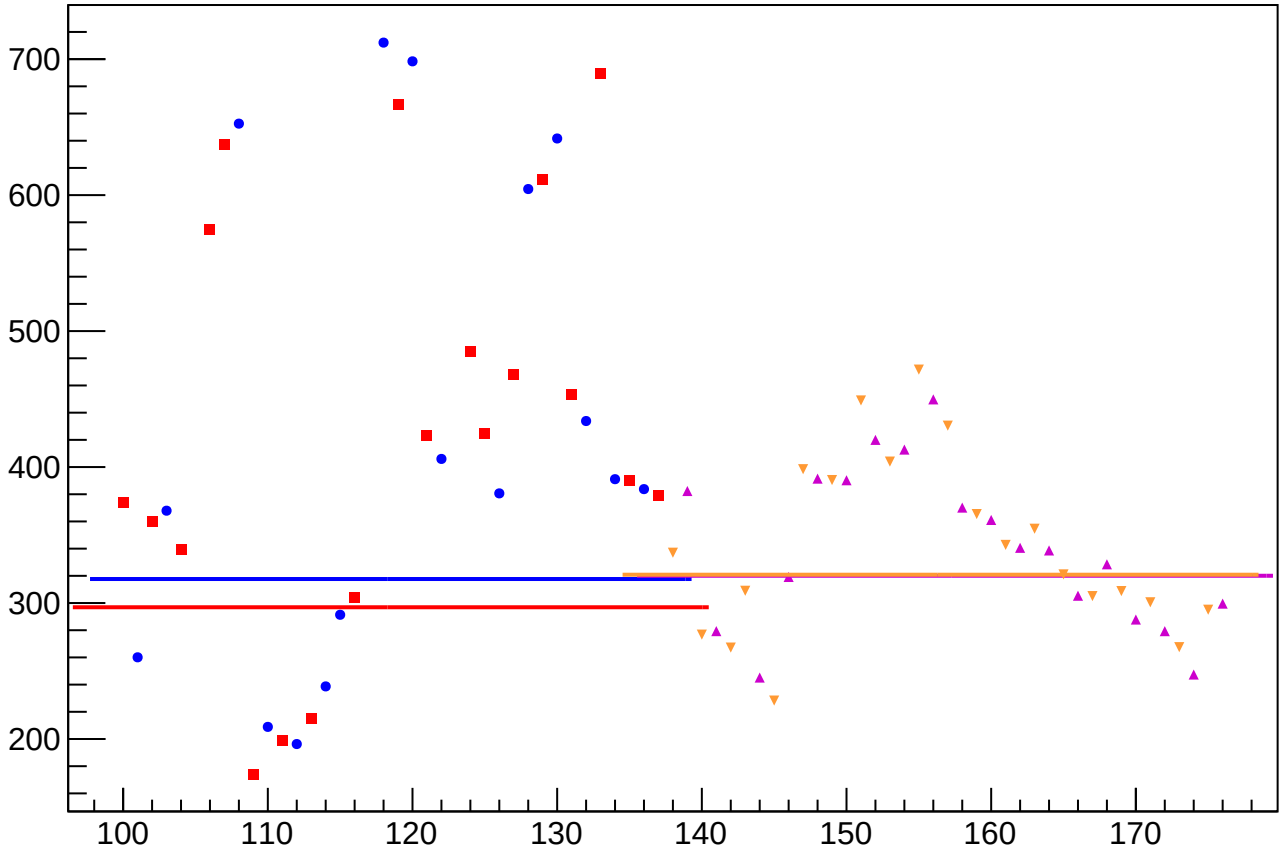
Left In: -87.447+/-82.709 χ^2/NDF:26.1/18

+ sign -286.831+/-69.235 χ^2/NDF: 76.6/35

All: -205.772+/-48.558 χ^2/NDF: 119.7/73

- sign -127.296+/-68.123 χ^2/NDF: 40.4/37

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 320.822+/-0.058 χ^2/NDF:1077313.6/19

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

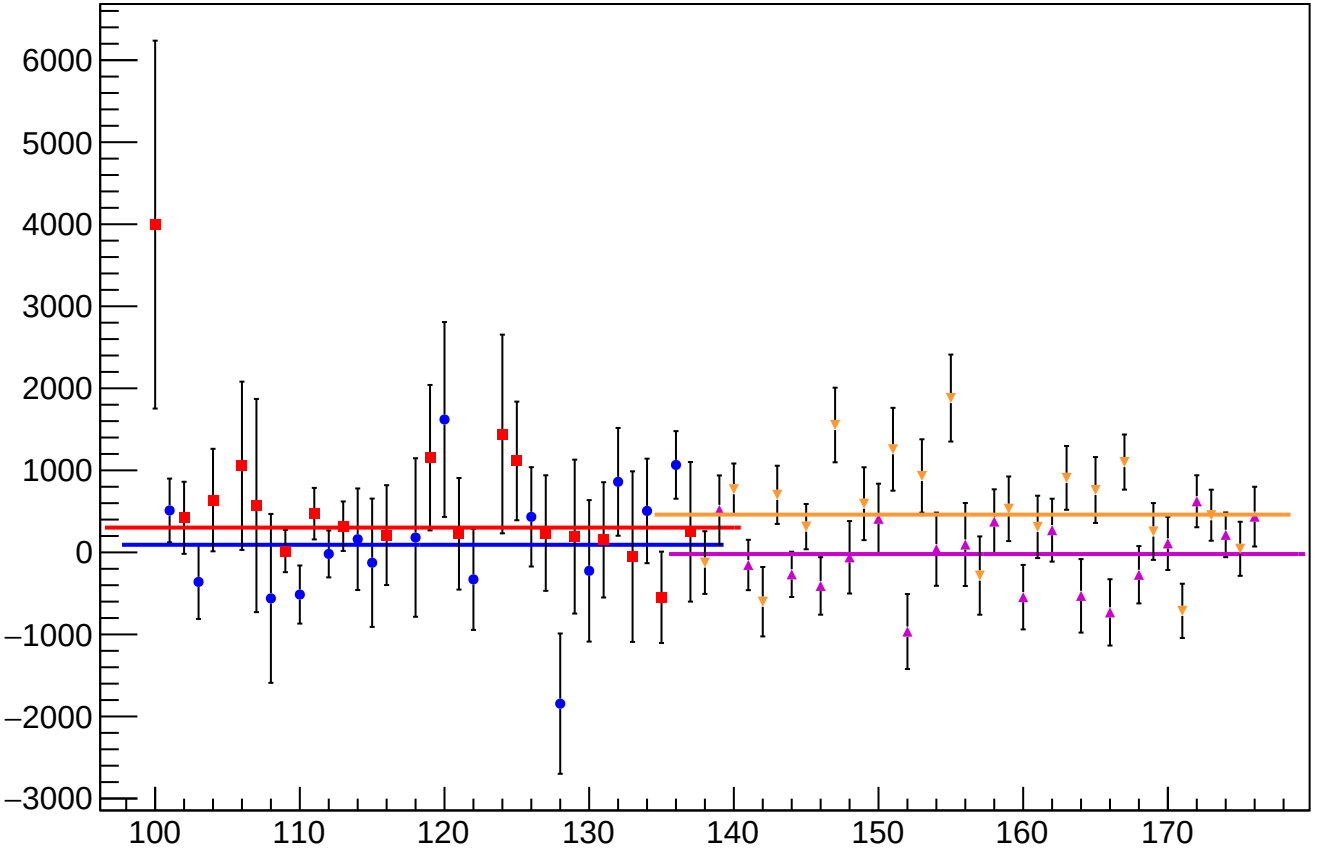
Left In: 320.051+/-0.058 χ^2/NDF:956889.8/18

+ sign 319.904+/-0.049 χ^2/NDF: 3214397.3/35

All: 316.193+/-0.034 χ^2/NDF: 6774101.2/73

- sign 312.601+/-0.048 χ^2/NDF: 3548398.6/37

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 460.511+/-83.749 χ^2/NDF:49.7/19

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

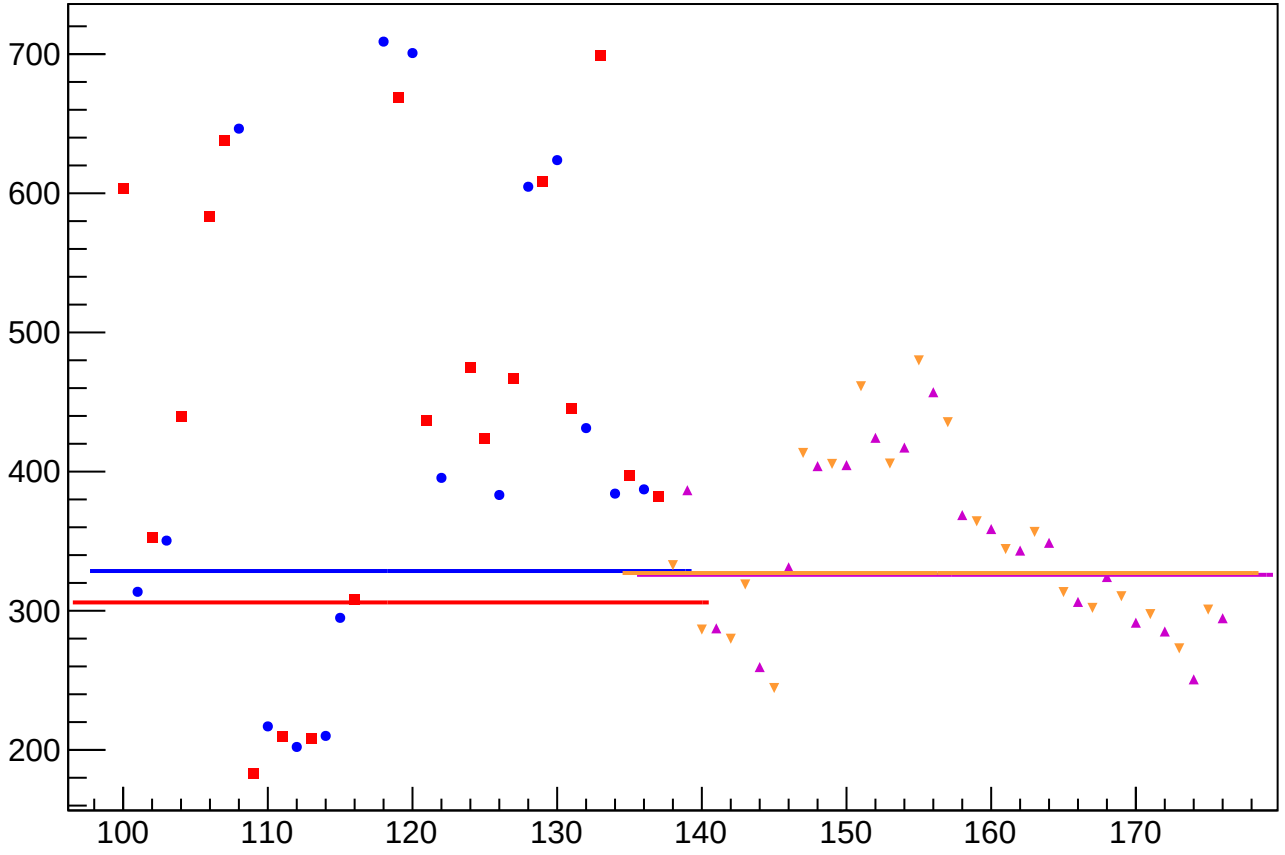
Left In: -20.103+/-84.102 χ^2/NDF:24.1/18

+ sign 354.892+/-70.706 χ^2/NDF: 76.0/35

All: 216.050+/-49.597 χ^2/NDF: 123.2/73

- sign 81.562+/-69.588 χ^2/NDF: 39.6/37

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 327.125+/-0.059 χ^2/NDF:987113.0/19

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

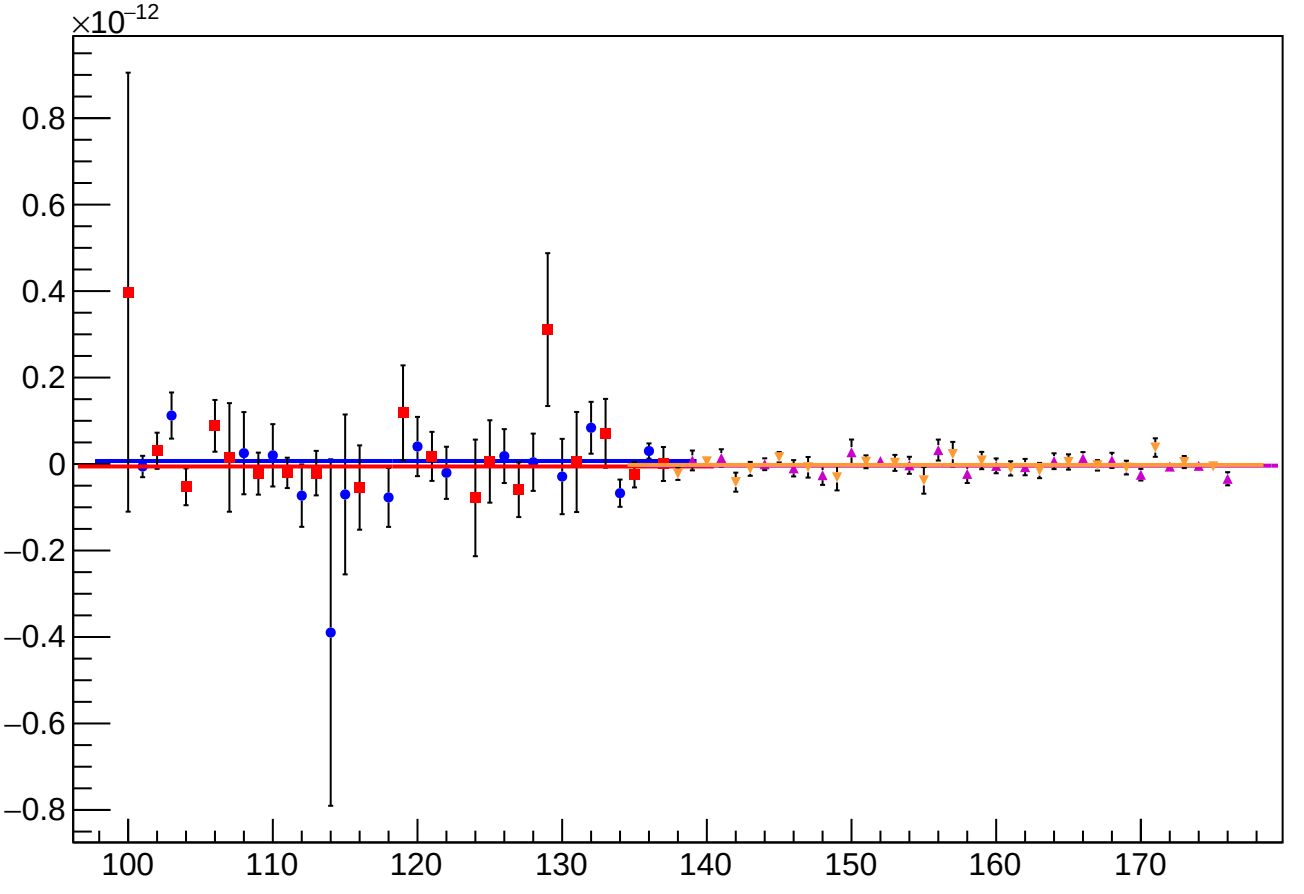
Left In: 325.829+/-0.059 χ^2/NDF:905306.8/18

+ sign 327.539+/-0.050 χ^2/NDF: 2946156.5/35

All: 323.492+/-0.035 χ^2/NDF: 6426930.0/73

- sign 319.572+/-0.049 χ^2/NDF: 3467873.1/37

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:17.0/19

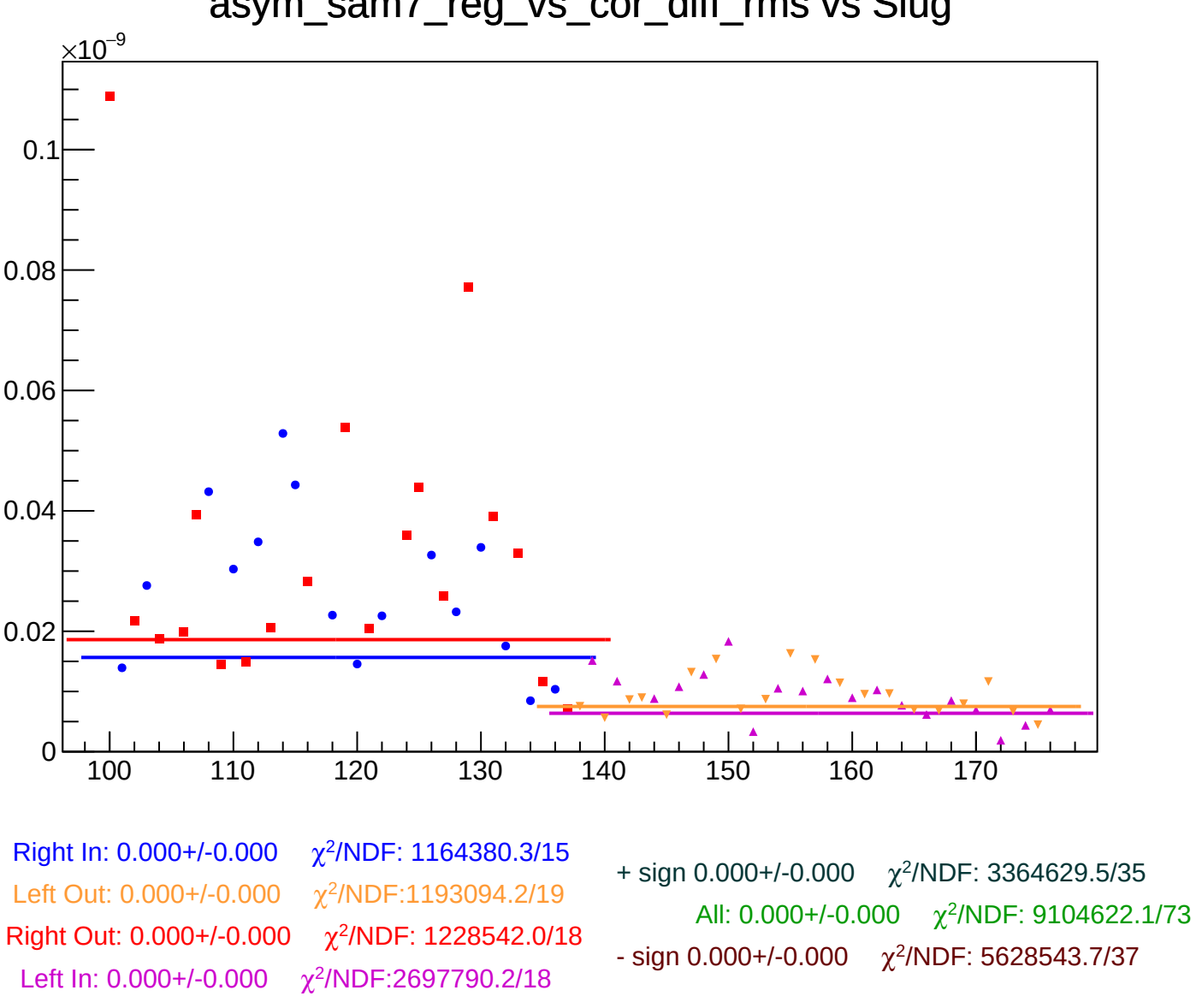
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/18

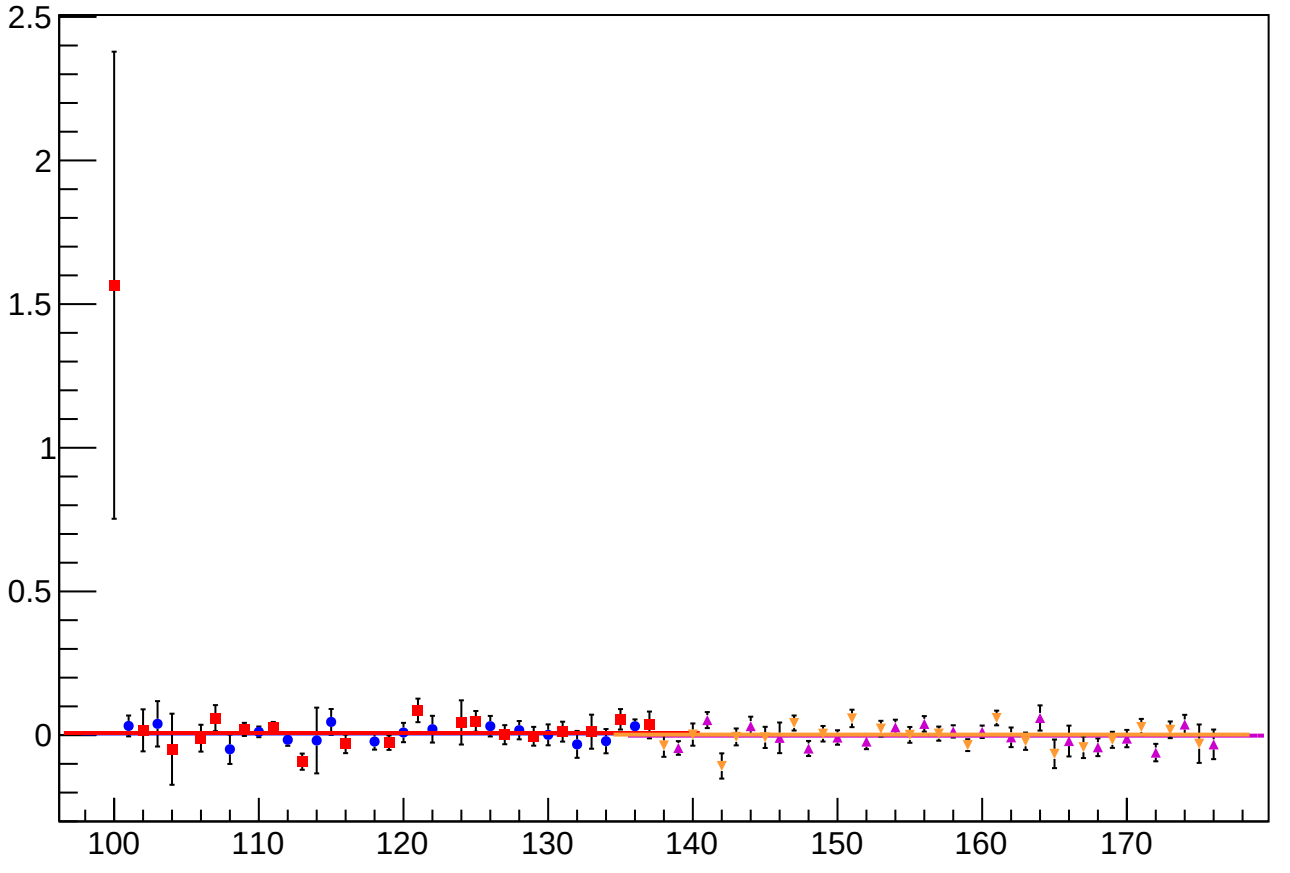
+ sign -0.000+/-0.000 χ^2/NDF: 35.3/35

All: -0.000+/-0.000 χ^2/NDF: 64.2/73

- sign -0.000+/-0.000 χ^2/NDF: 28.5/37


asym_sam7_reg_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1164380.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1193094.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 1228542.0/18
Left In: 0.000+/-0.000 χ²/NDF:2697790.2/18
+ sign 0.000+/-0.000 χ²/NDF: 3364629.5/35
All: 0.000+/-0.000 χ²/NDF: 9104622.1/73
- sign 0.000+/-0.000 χ²/NDF: 5628543.7/37

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

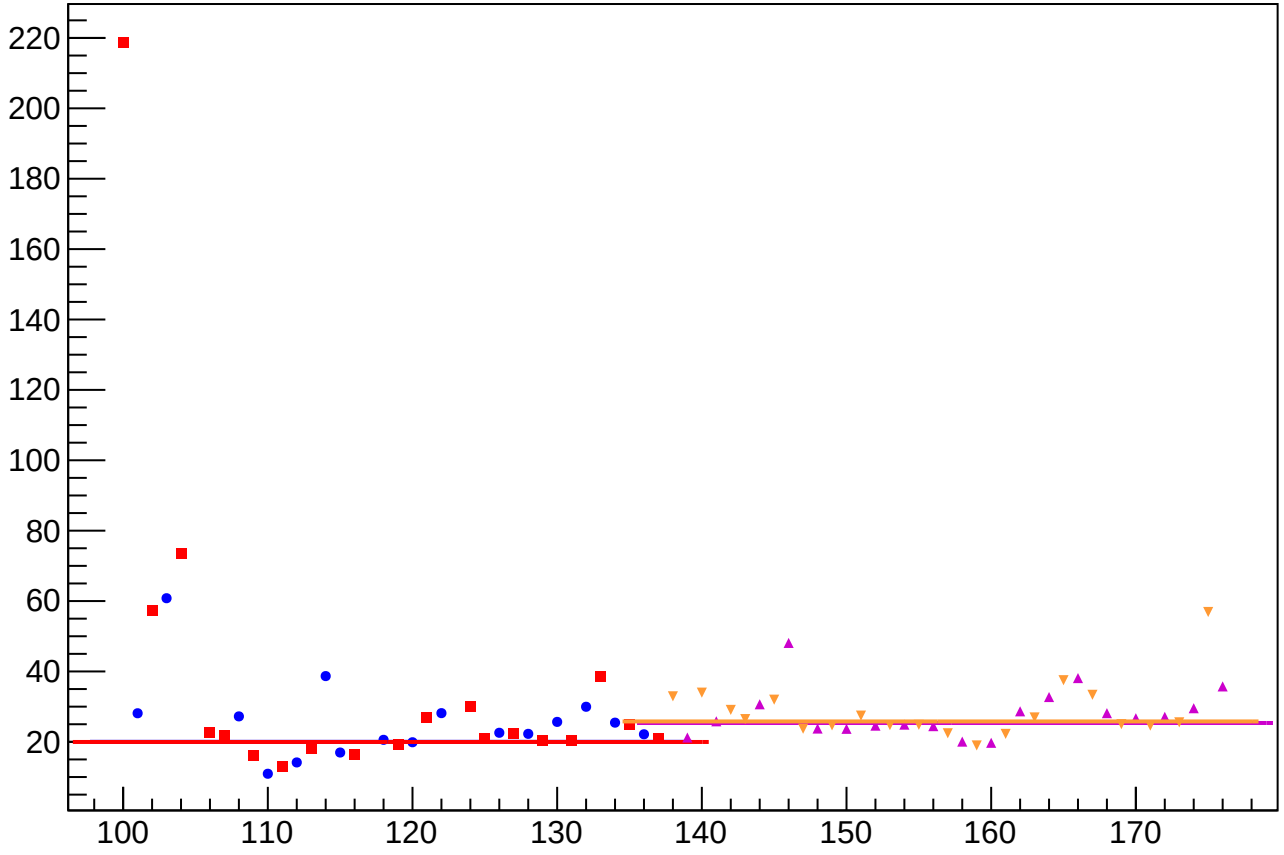
Left In: -0.002+/-0.007 χ^2/NDF:25.3/18

+ sign 0.003+/-0.005 χ^2/NDF: 35.5/35

All: 0.003+/-0.004 χ^2/NDF: 91.5/73

- sign 0.002+/-0.005 χ^2/NDF: 55.9/37

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.798+/-0.005 χ^2/NDF:1177074.6/19

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

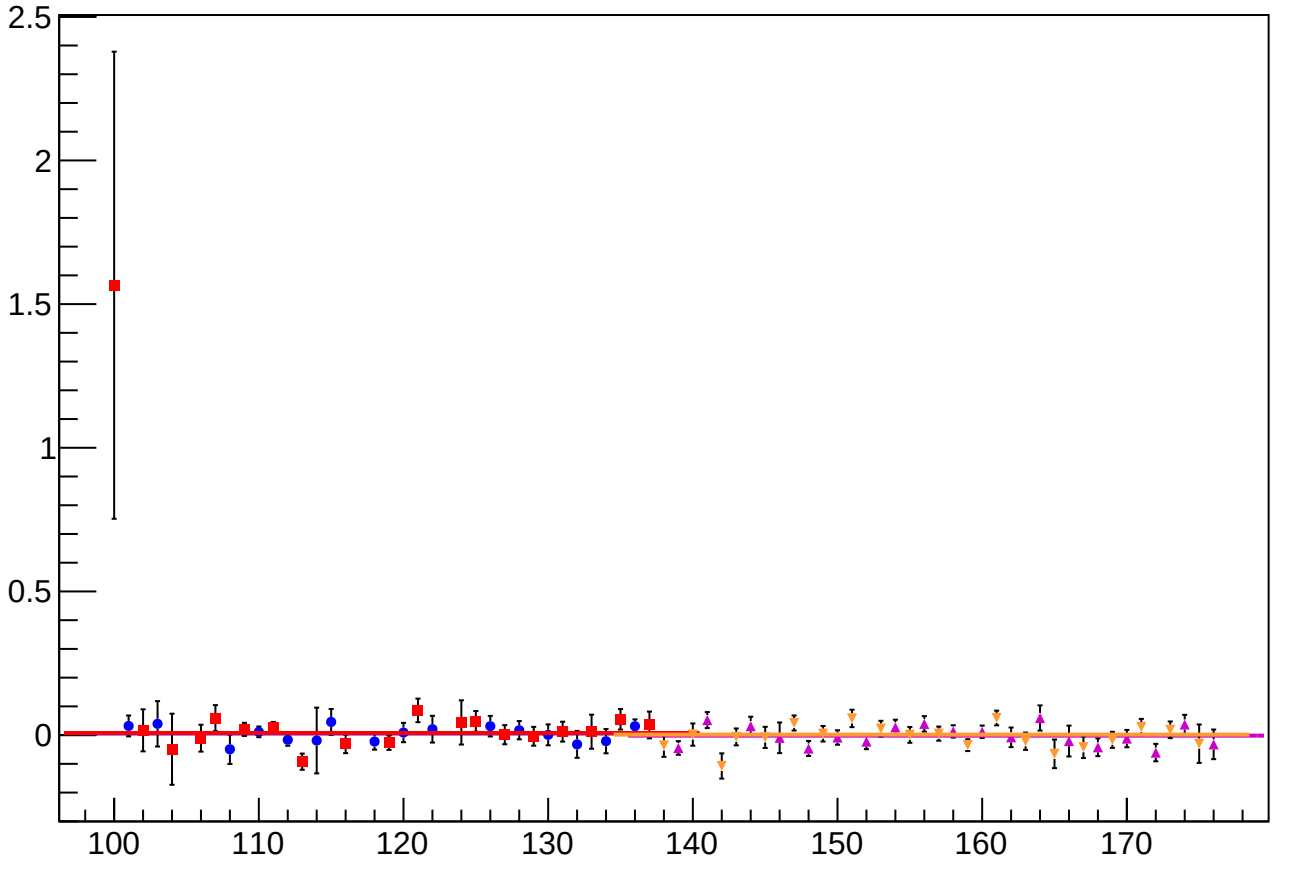
Left In: 25.358+/-0.005 χ^2/NDF:1081712.5/18

+ sign 23.446+/-0.004 χ^2/NDF: 3417378.9/35

All: 23.299+/-0.003 χ^2/NDF: 6744467.2/73

- sign 23.153+/-0.004 χ^2/NDF: 3323883.7/37

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

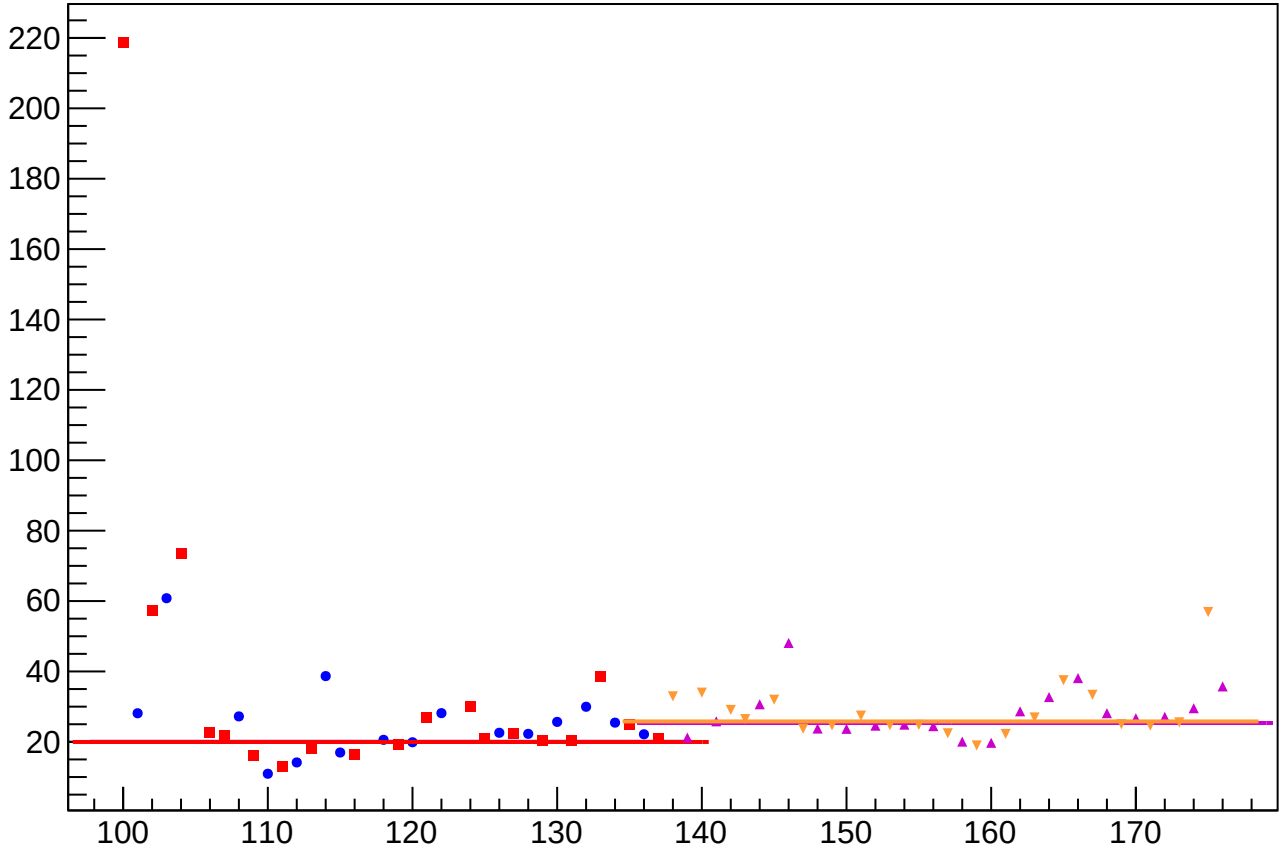
Left In: -0.002+/-0.007 χ^2/NDF:25.3/18

+ sign 0.003+/-0.005 χ^2/NDF: 35.5/35

All: 0.003+/-0.004 χ^2/NDF: 91.5/73

- sign 0.002+/-0.005 χ^2/NDF: 55.9/37

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.798+/-0.005 χ^2/NDF:1177074.6/19

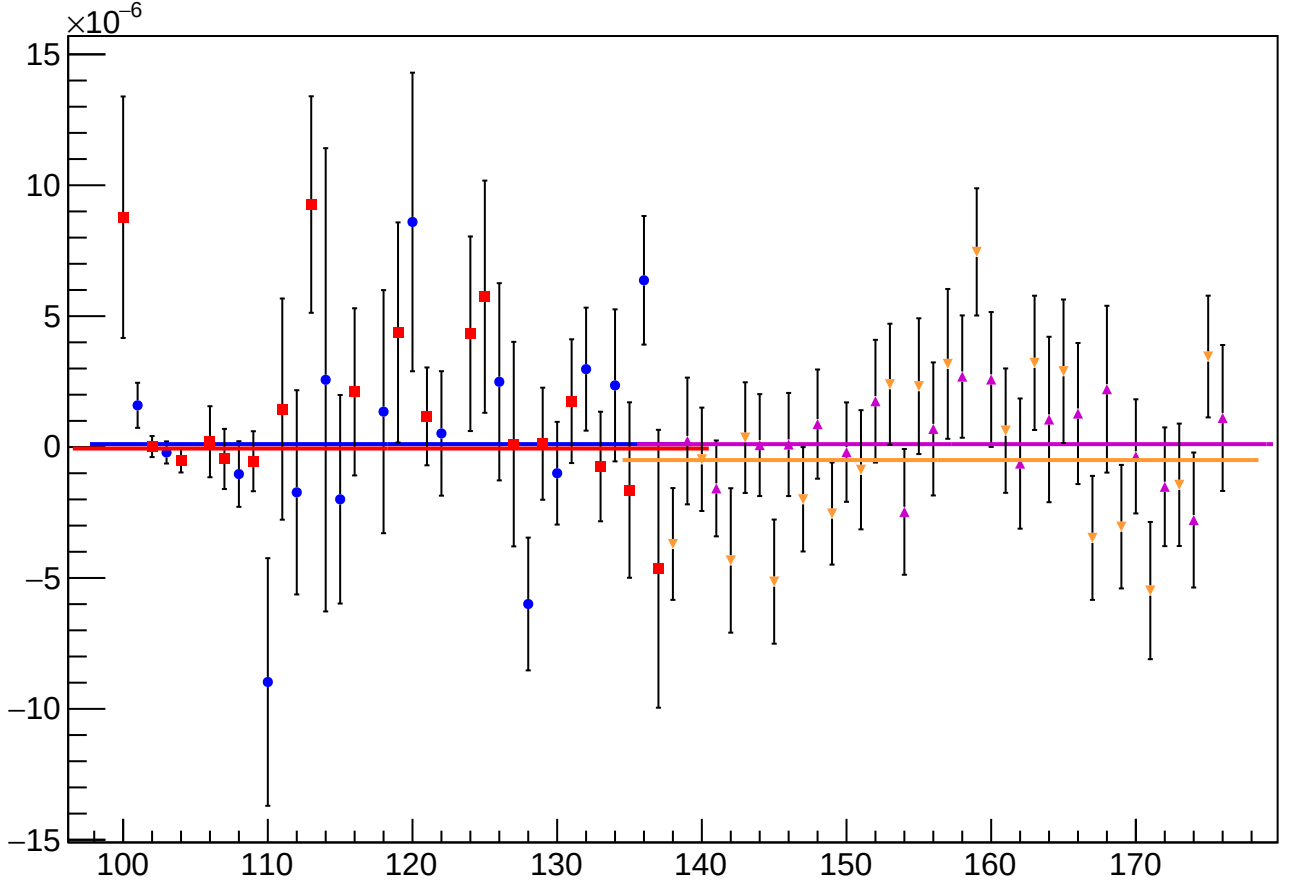
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.358+/-0.005 χ^2/NDF:1081712.5/18

+ sign 23.446+/-0.004 χ^2/NDF: 3417378.9/35

All: 23.299+/-0.003 χ^2/NDF: 6744467.2/73

- sign 23.153+/-0.004 χ^2/NDF: 3323883.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

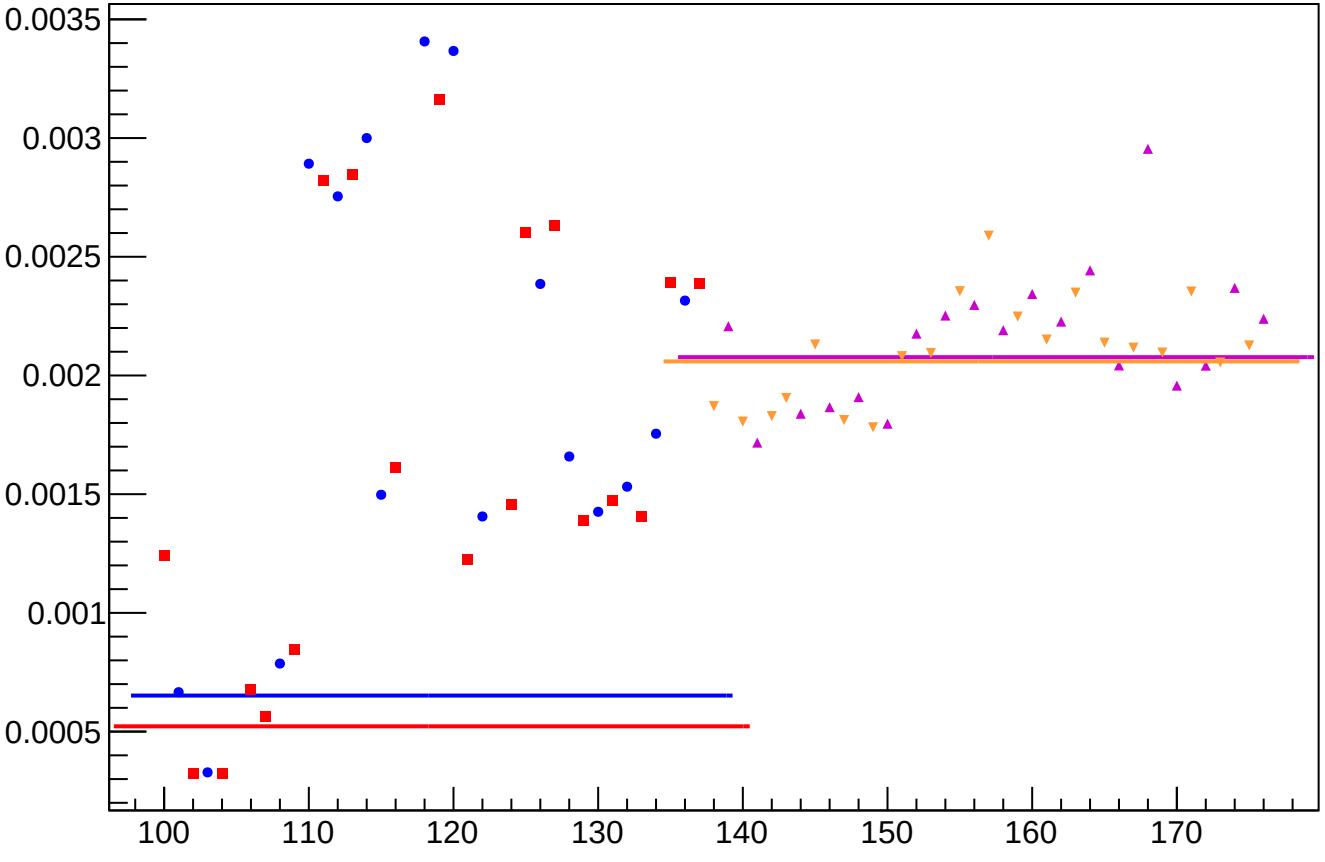
Left In: 0.000+/-0.000 χ^2/NDF:7.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 65.3/35

All: -0.000+/-0.000 χ^2/NDF: 90.1/73

- sign -0.000+/-0.000 χ^2/NDF: 24.8/37

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:312192.8/19

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

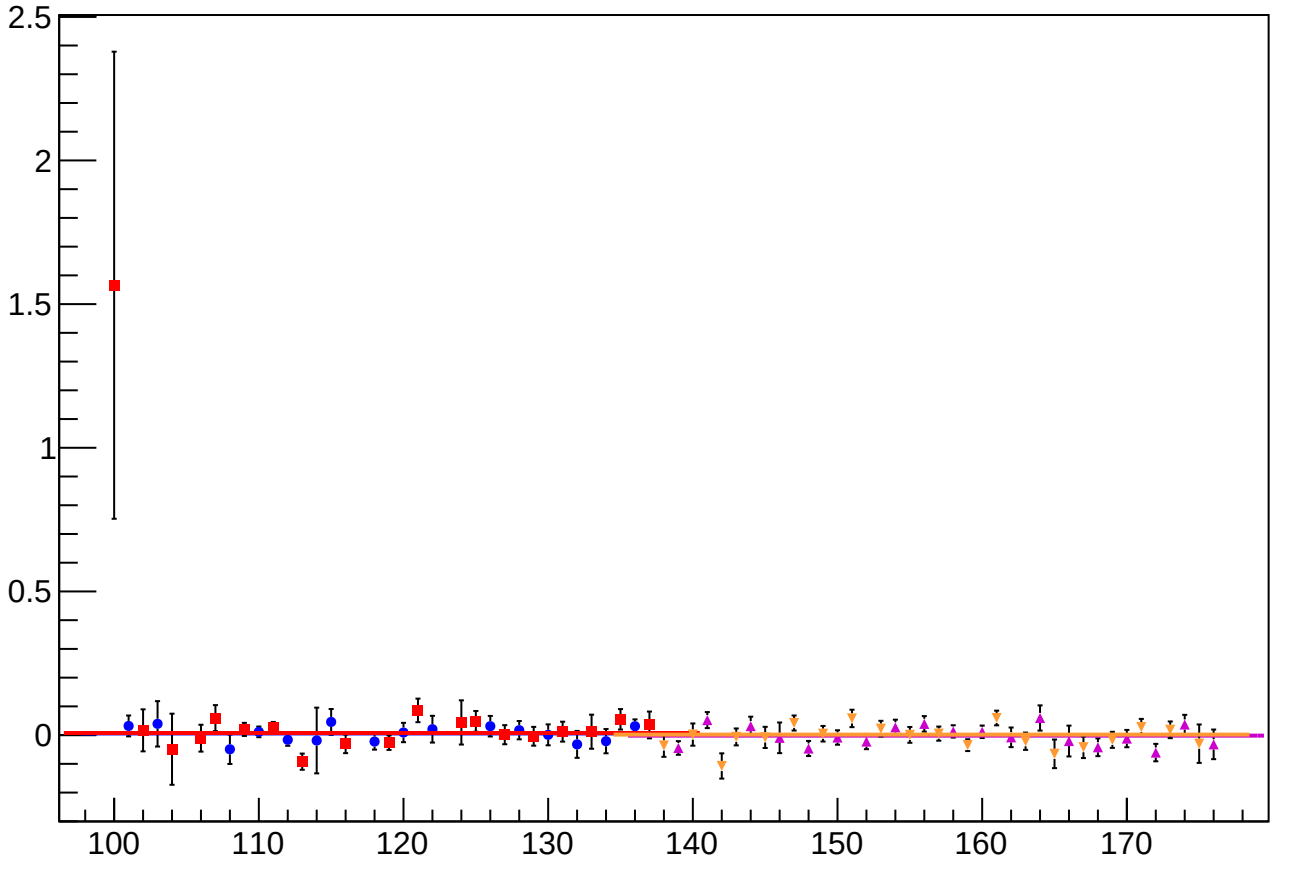
Left In: 0.002+/-0.000 χ^2/NDF:472770.8/18

\+ sign 0.001+/-0.000 χ^2/NDF: 17012915.5/35

All: 0.001+/-0.000 χ^2/NDF: 38770181.2/73

\- sign 0.001+/-0.000 χ^2/NDF: 20907067.5/37

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

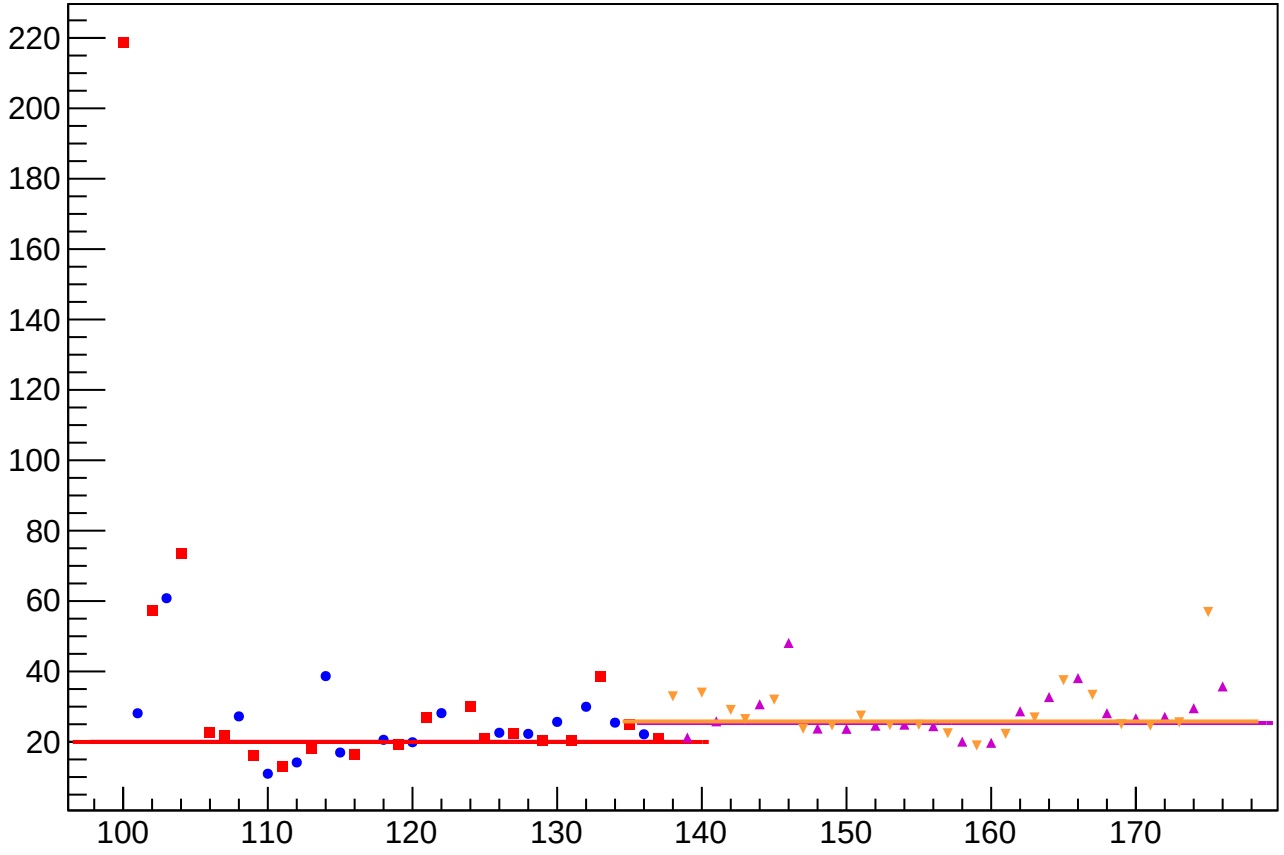
Left In: -0.002+/-0.007 χ^2/NDF:25.3/18

+ sign 0.003+/-0.005 χ^2/NDF: 35.5/35

All: 0.003+/-0.004 χ^2/NDF: 91.5/73

- sign 0.002+/-0.005 χ^2/NDF: 55.9/37

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.798+/-0.005 χ^2/NDF:1177121.5/19

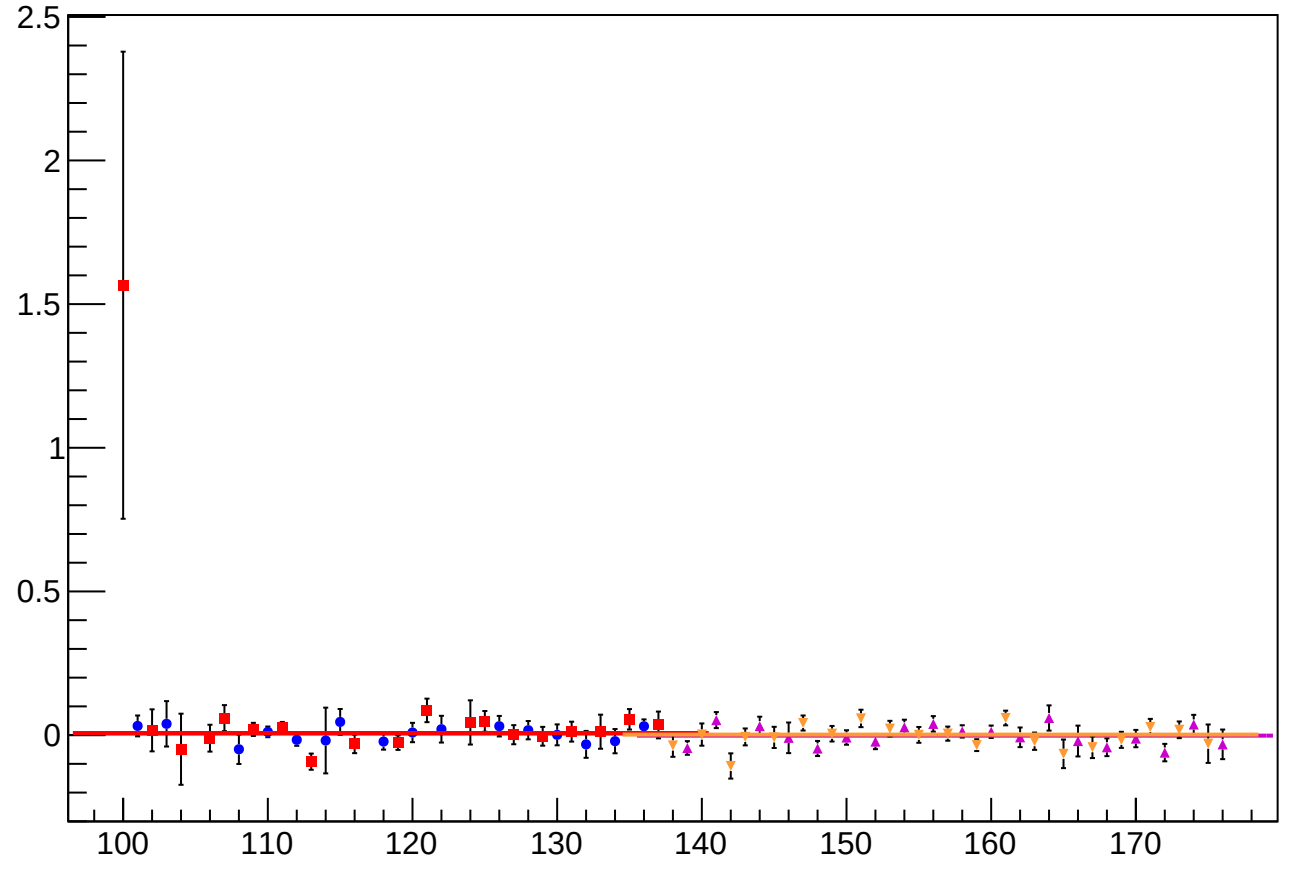
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.358+/-0.005 χ^2/NDF:1081774.1/18

+ sign 23.447+/-0.004 χ^2/NDF: 3417141.9/35

All: 23.299+/-0.003 χ^2/NDF: 6744199.1/73

- sign 23.153+/-0.004 χ^2/NDF: 3323848.6/37



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

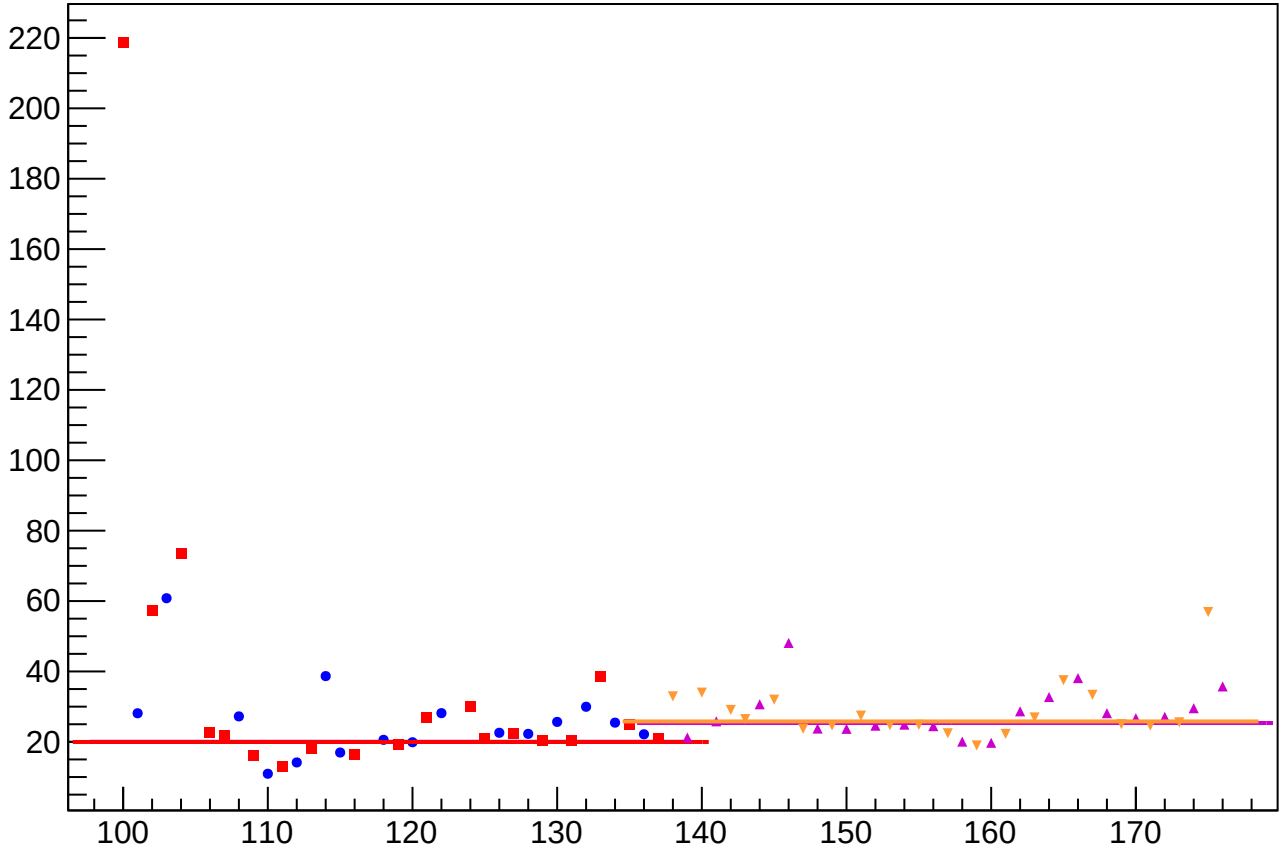
Left In: -0.002+/-0.007 χ^2/NDF:25.3/18

+ sign 0.003+/-0.005 χ^2/NDF: 35.5/35

All: 0.003+/-0.004 χ^2/NDF: 91.5/73

- sign 0.002+/-0.005 χ^2/NDF: 55.9/37

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: 25.798+/-0.005 χ^2/NDF:1177121.5/19

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

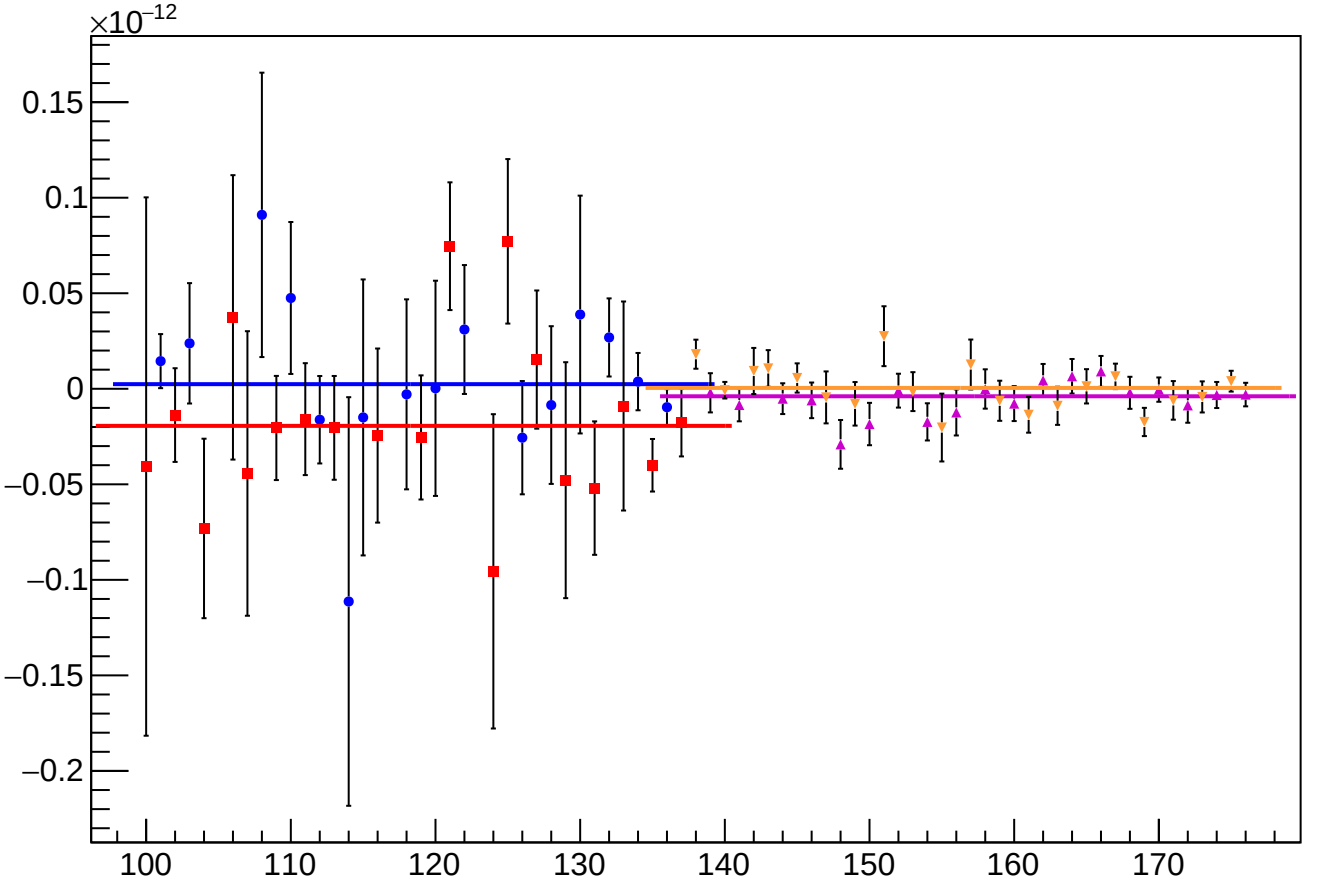
Left In: 25.358+/-0.005 χ^2/NDF:1081774.1/18

+ sign 23.447+/-0.004 χ^2/NDF: 3417141.9/35

All: 23.299+/-0.003 χ^2/NDF: 6744199.1/73

- sign 23.153+/-0.004 χ^2/NDF: 3323848.6/37

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:24.9/19

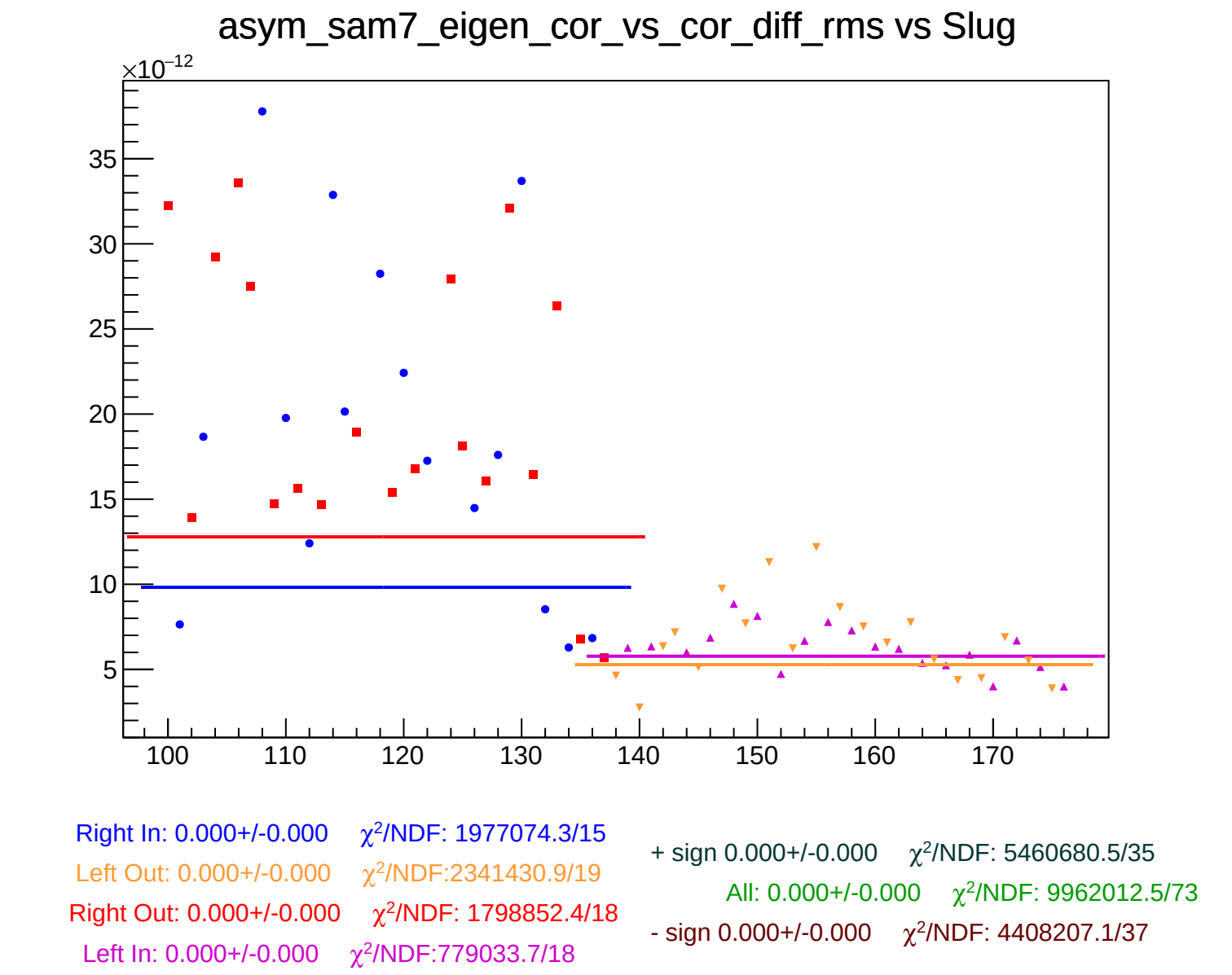
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/18

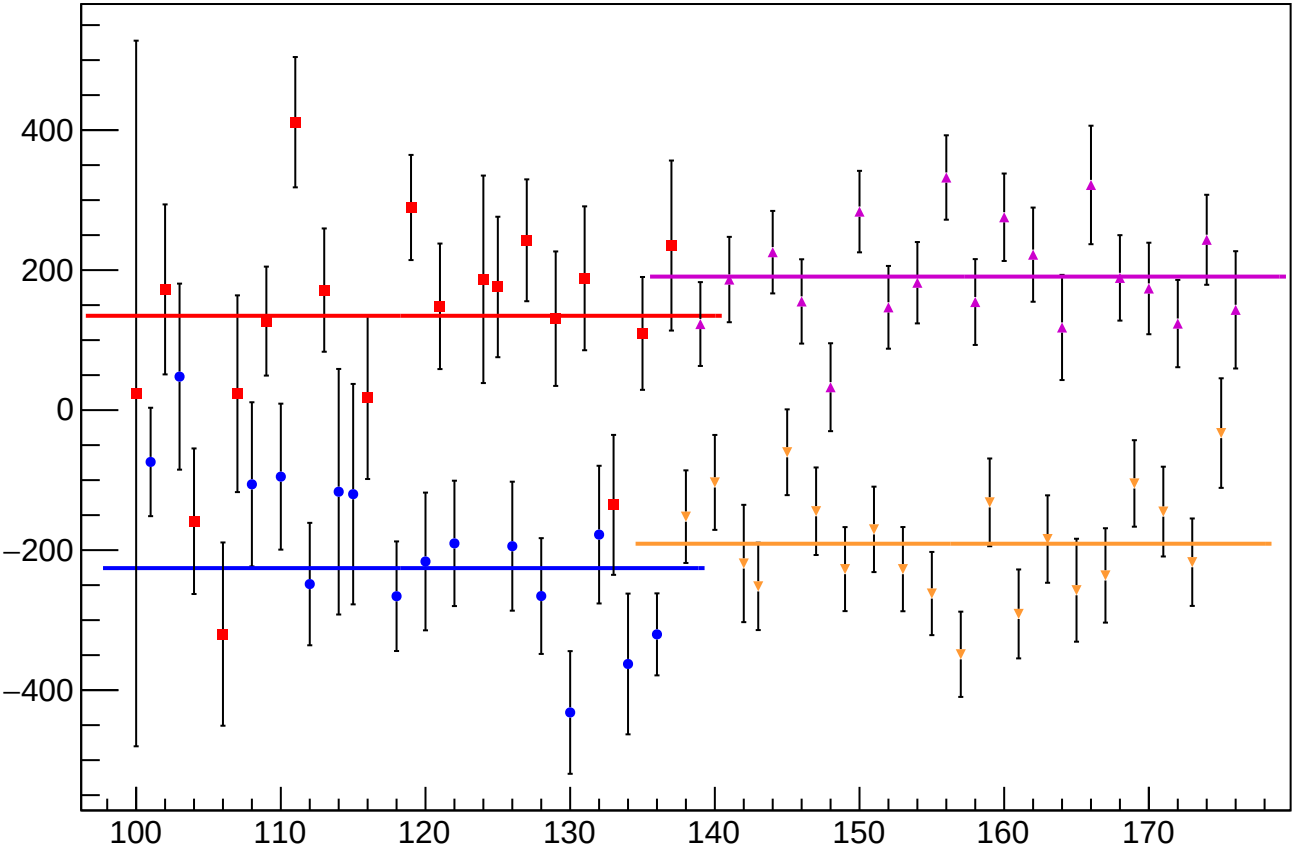
+ sign 0.000+/-0.000 χ^2/NDF: 35.8/35

All: -0.000+/-0.000 χ^2/NDF: 79.6/73

- sign -0.000+/-0.000 χ^2/NDF: 39.0/37


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2341430.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:779033.7/18
+ sign 0.000+/-0.000 χ²/NDF: 5460680.5/35
All: 0.000+/-0.000 χ²/NDF: 9962012.5/73
- sign 0.000+/-0.000 χ²/NDF: 4408207.1/37

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -190.847+/-14.387 χ^2/NDF:28.5/19

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

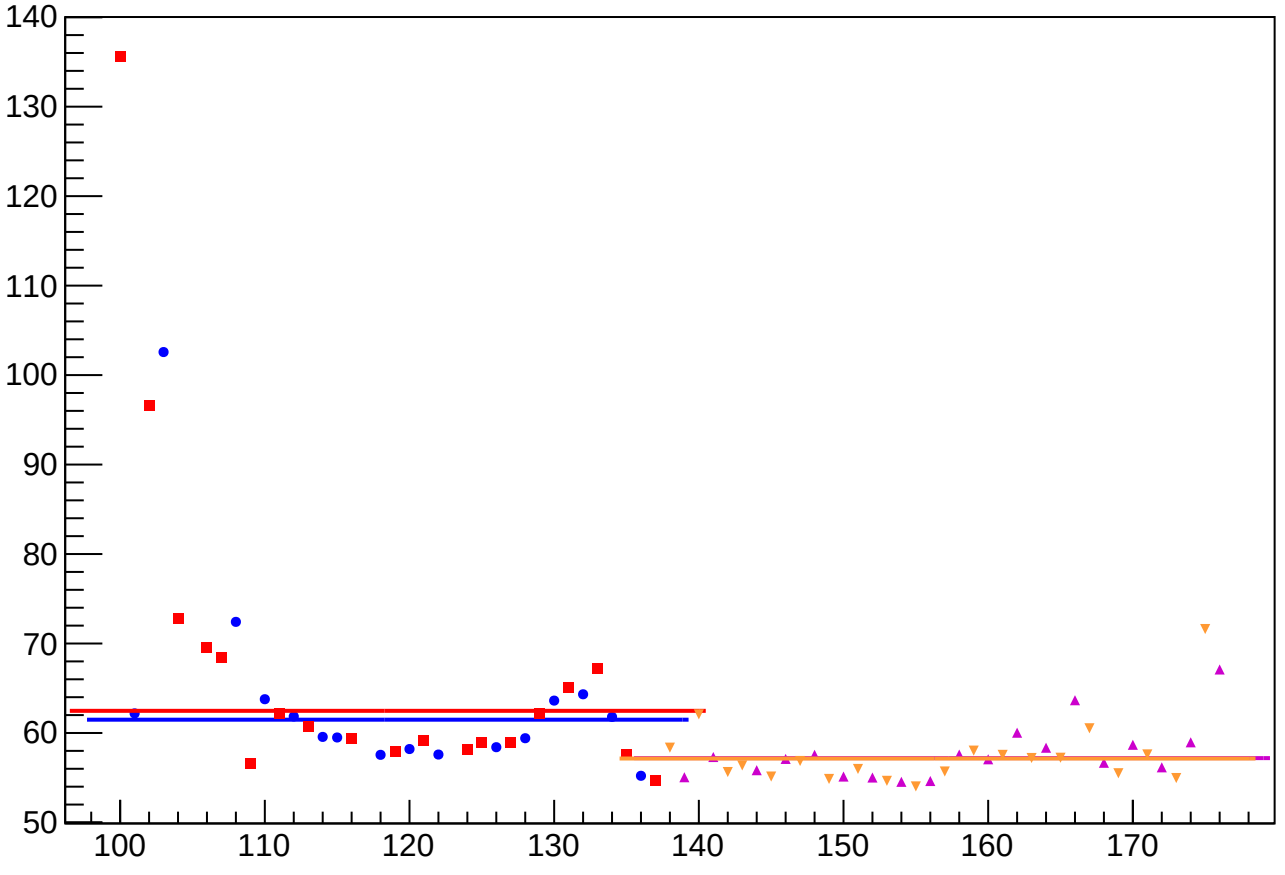
Left In: 190.744+/-14.553 χ^2/NDF:24.9/18

+ sign -200.575+/-12.215 χ^2/NDF: 52.8/35

All: -14.536+/-8.677 χ^2/NDF: 595.3/73

- sign 174.928+/-12.327 χ^2/NDF: 74.3/37

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.147+/-0.010 χ^2/NDF:105973.3/19

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

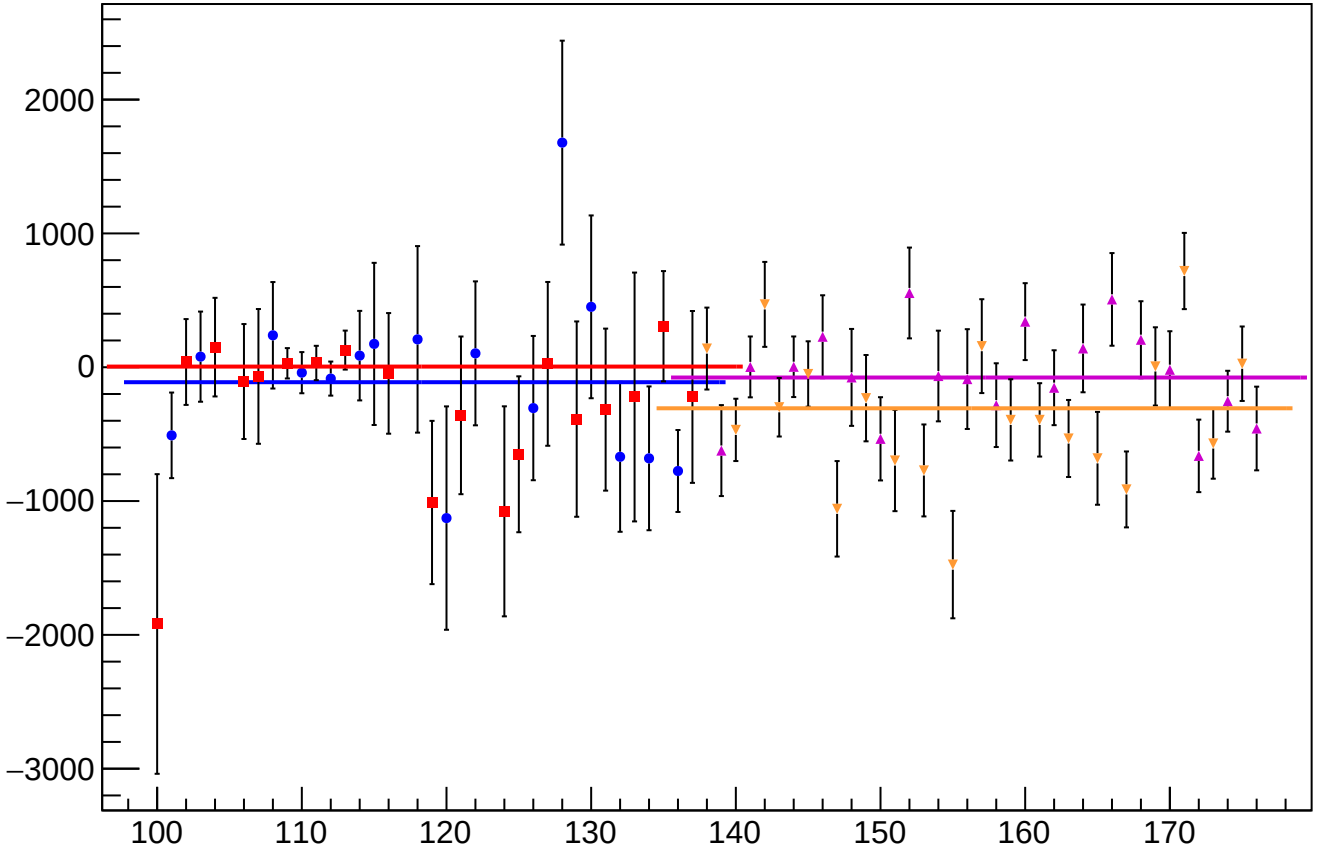
Left In: 57.191+/-0.010 χ^2/NDF:63659.6/18

+ sign 58.358+/-0.009 χ^2/NDF: 407429.7/35

All: 58.520+/-0.006 χ^2/NDF: 827459.2/73

- sign 58.684+/-0.009 χ^2/NDF: 419324.5/37

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -306.782+/-65.616 χ^2/NDF:50.4/19

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

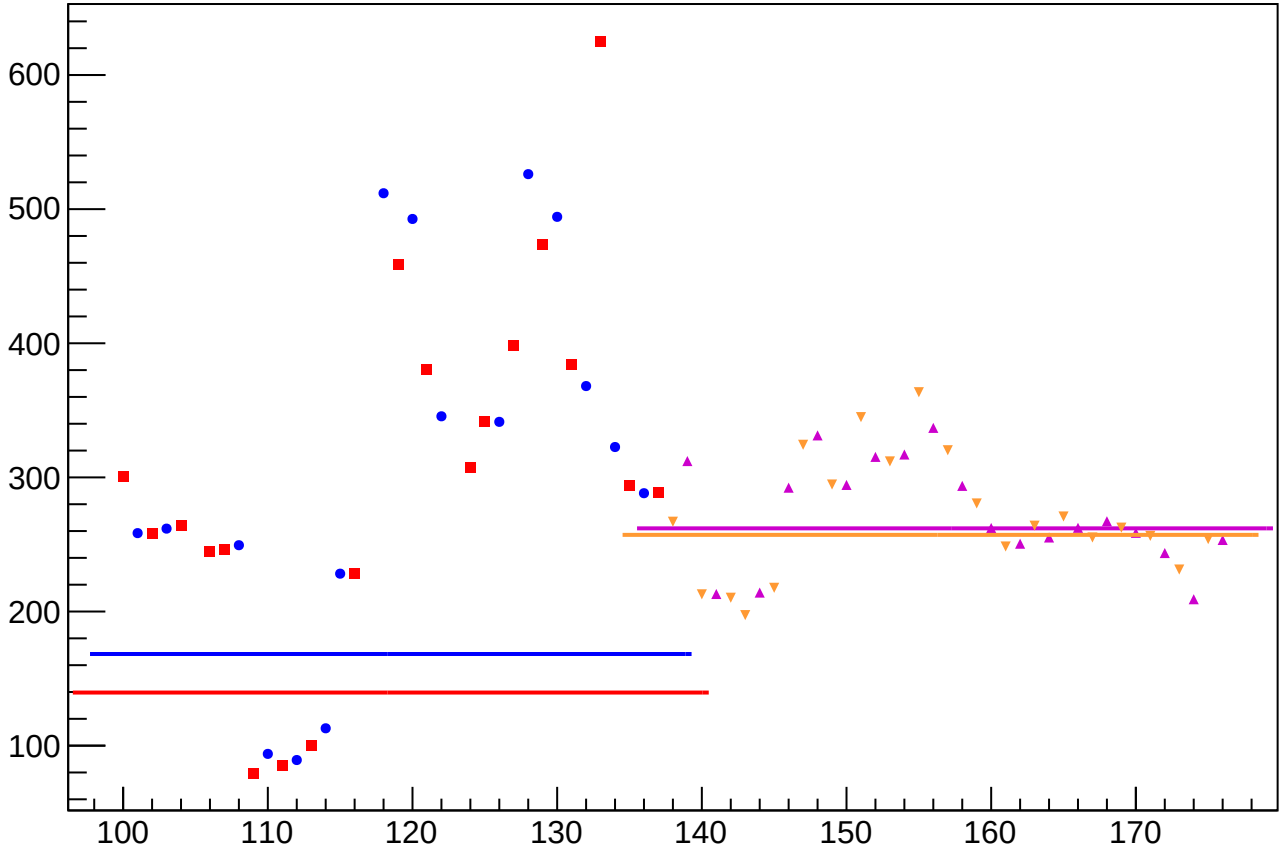
Left In: -76.848+/-67.338 χ^2/NDF:23.1/18

+ sign -223.814+/-49.725 χ^2/NDF: 72.6/35

All: -122.200+/-33.910 χ^2/NDF: 115.9/73

- sign -33.859+/-46.364 χ^2/NDF: 35.5/37

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 257.154+/-0.046 χ^2/NDF:820018.9/19

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

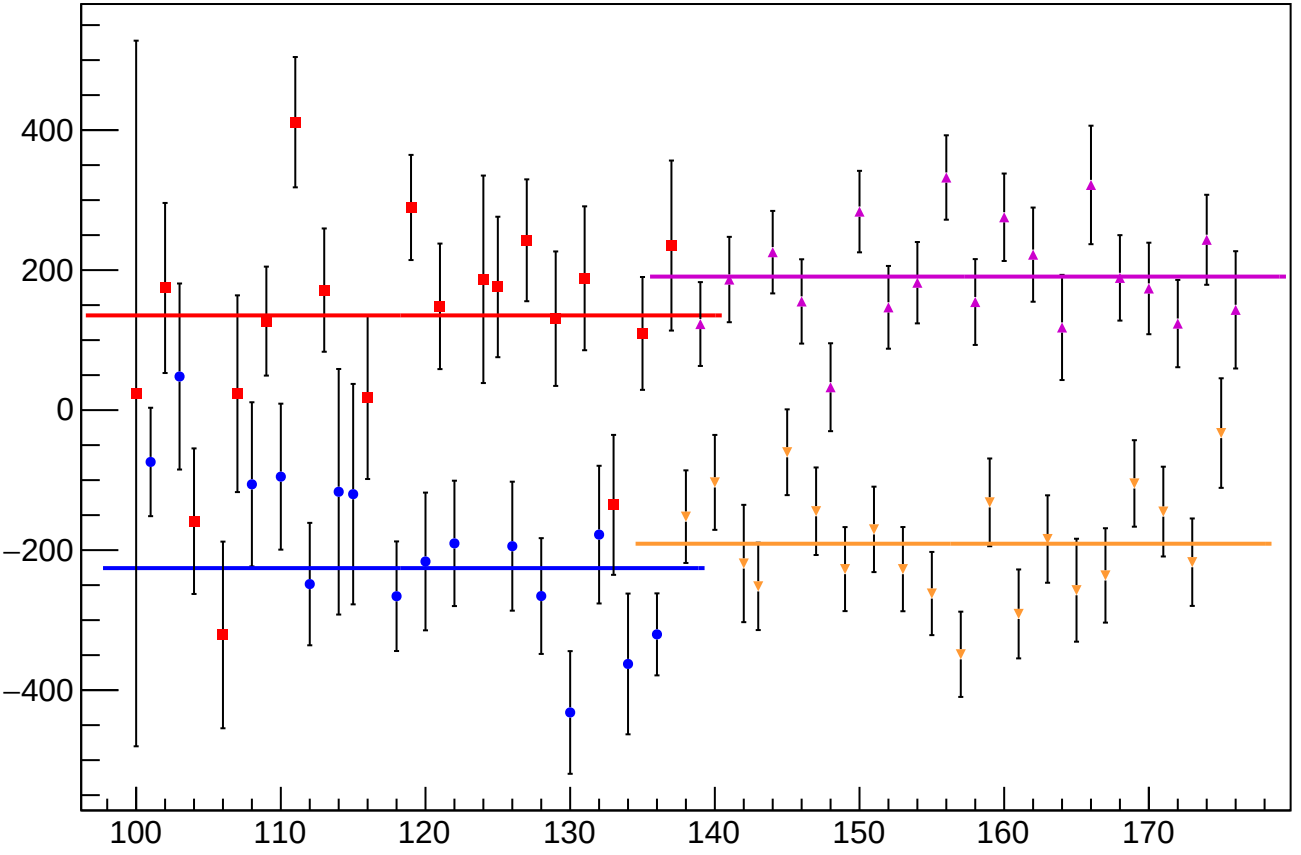
Left In: 262.007+/-0.048 χ^2/NDF:666986.4/18

+ sign 219.341+/-0.035 χ^2/NDF: 6924269.9/35

All: 207.726+/-0.024 χ^2/NDF: 16425547.2/73

- sign 197.627+/-0.033 χ^2/NDF: 9297258.9/37

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -190.845+/-14.387 χ^2/NDF:28.6/19

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

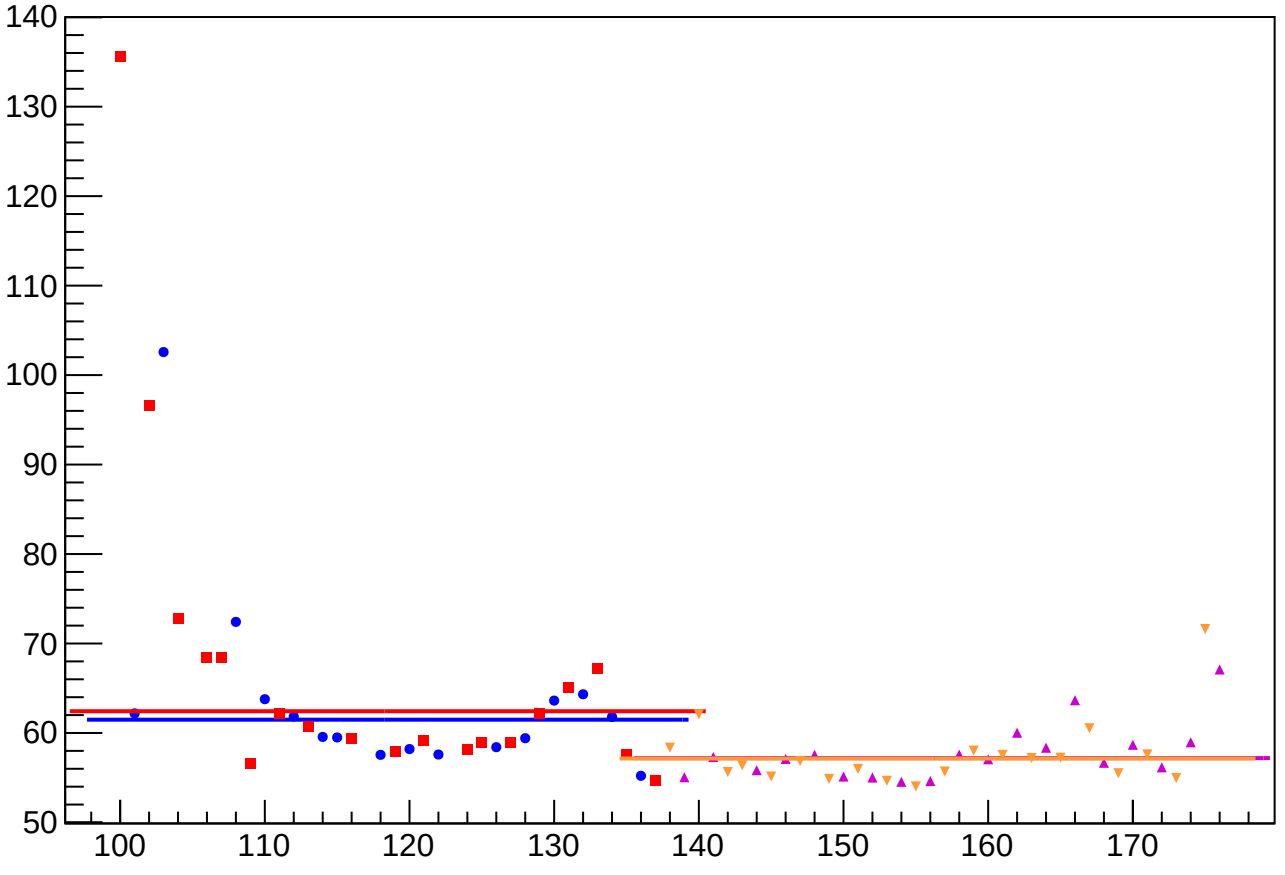
Left In: 190.745+/-14.553 χ^2/NDF:24.9/18

+ sign -200.573+/-12.215 χ^2/NDF: 52.8/35

All: -14.483+/-8.677 χ^2/NDF: 595.2/73

- sign 175.097+/-12.329 χ^2/NDF: 73.9/37

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.147+/-0.010 χ^2/NDF:105973.3/19

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

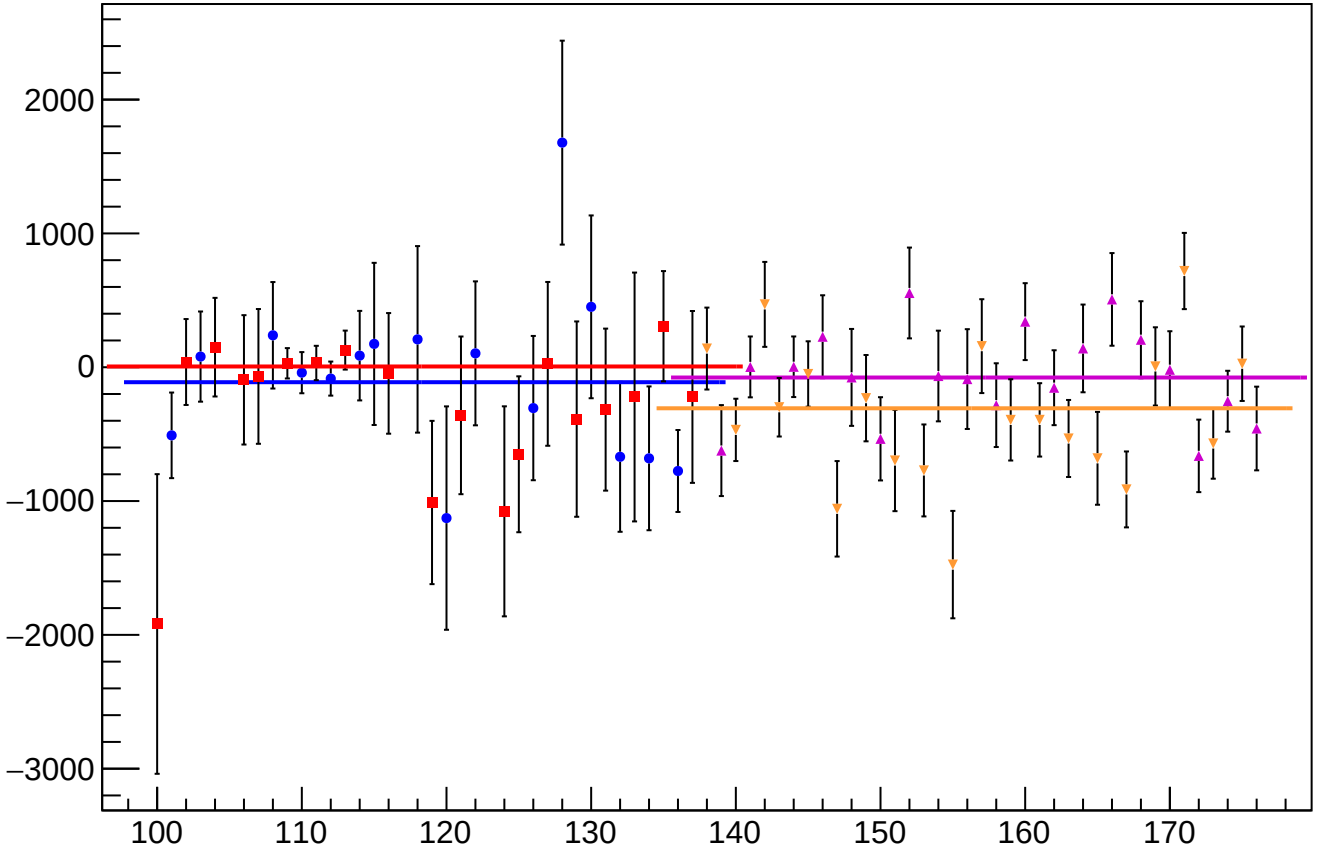
Left In: 57.191+/-0.010 χ^2/NDF:63659.6/18

+ sign 58.358+/-0.009 χ^2/NDF: 407432.3/35

All: 58.513+/-0.006 χ^2/NDF: 824394.8/73

- sign 58.671+/-0.009 χ^2/NDF: 416314.4/37

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -306.780+/-65.616 χ^2/NDF:50.4/19

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

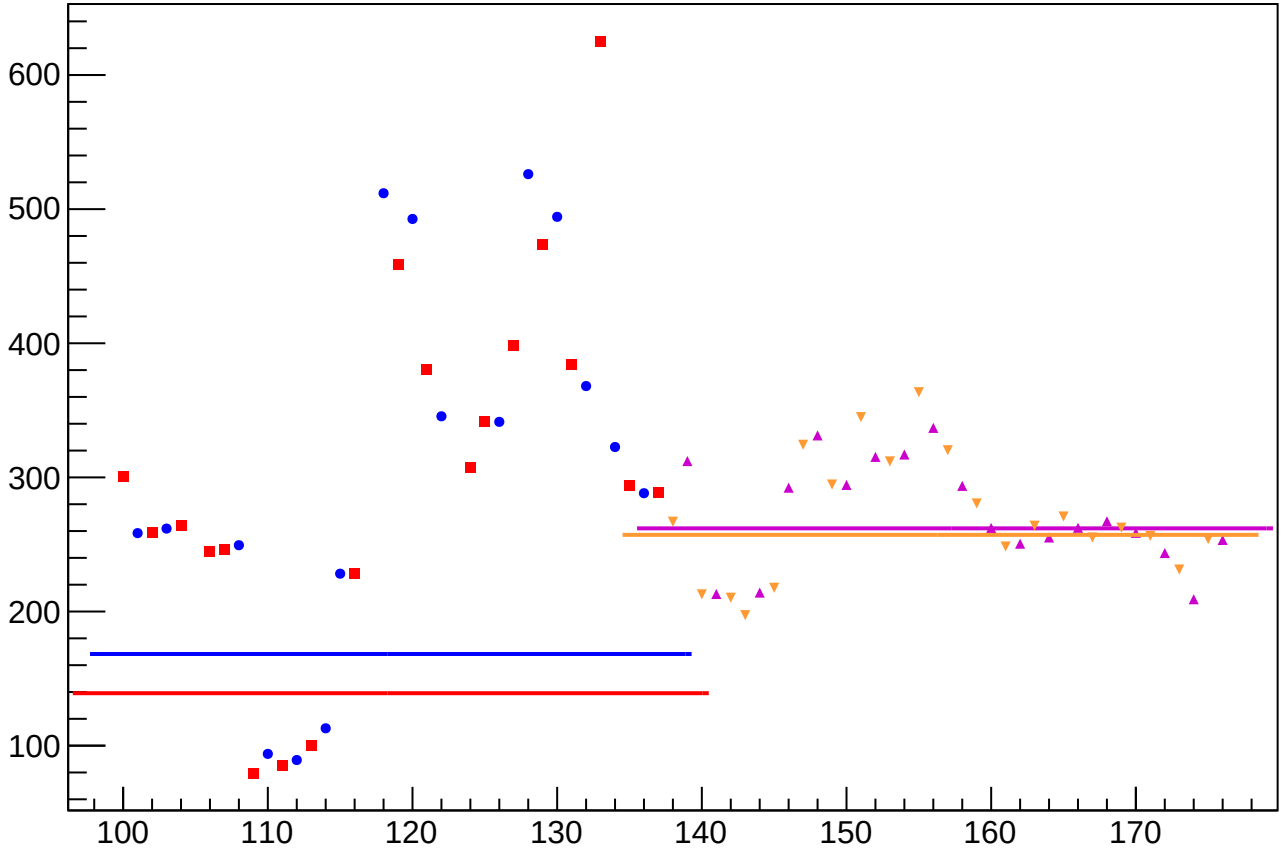
Left In: -76.845+/-67.338 χ^2/NDF:23.1/18

+ sign -223.806+/-49.725 χ^2/NDF: 72.6/35

All: -122.163+/-33.933 χ^2/NDF: 115.9/73

- sign -33.575+/-46.422 χ^2/NDF: 35.5/37

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.154+/-0.046 χ^2/NDF:820023.2/19

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

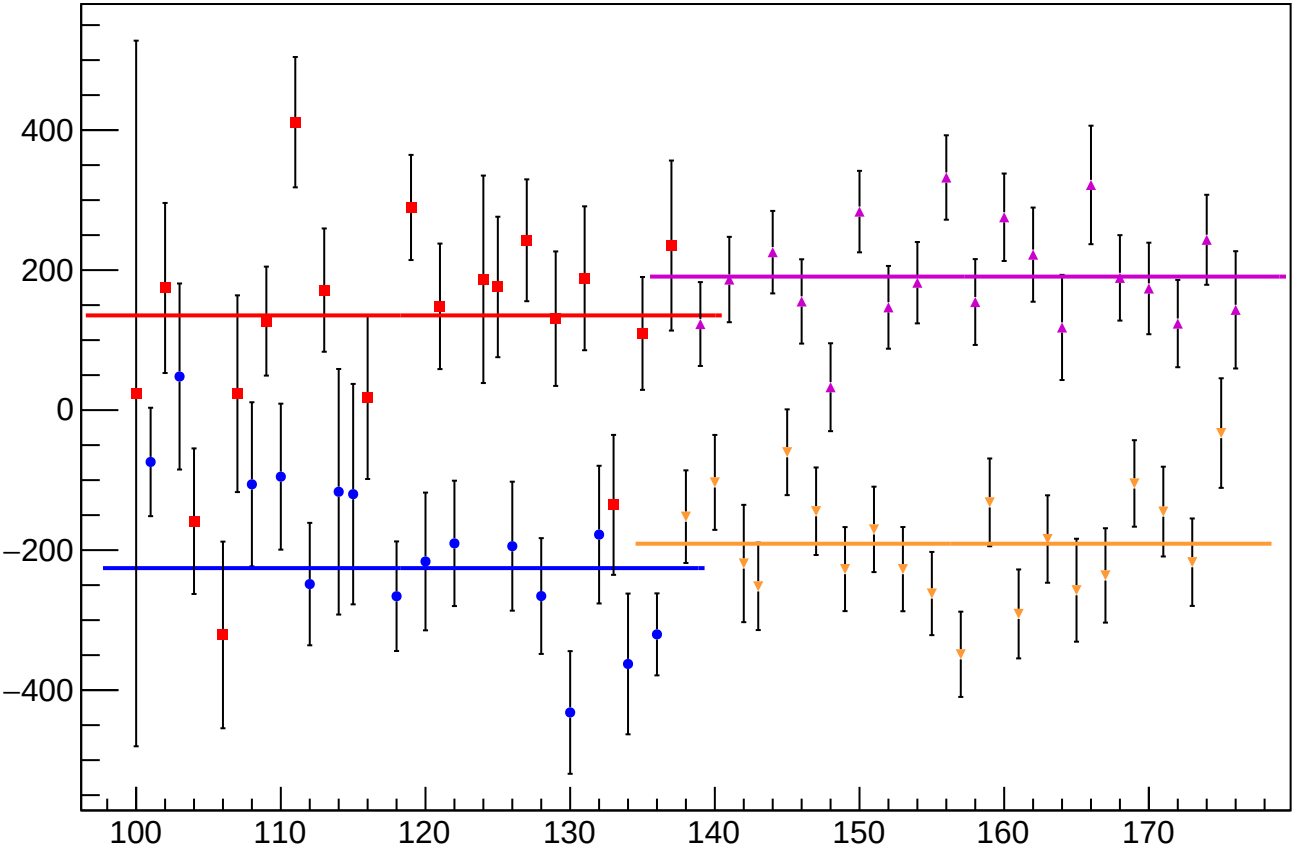
Left In: 262.007+/-0.048 χ^2/NDF:666984.5/18

+ sign 219.342+/-0.035 χ^2/NDF: 6924302.8/35

All: 207.680+/-0.024 χ^2/NDF: 16423215.0/73

- sign 197.516+/-0.033 χ^2/NDF: 9293030.5/37

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -190.845+/-14.387 χ^2/NDF:28.6/19

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

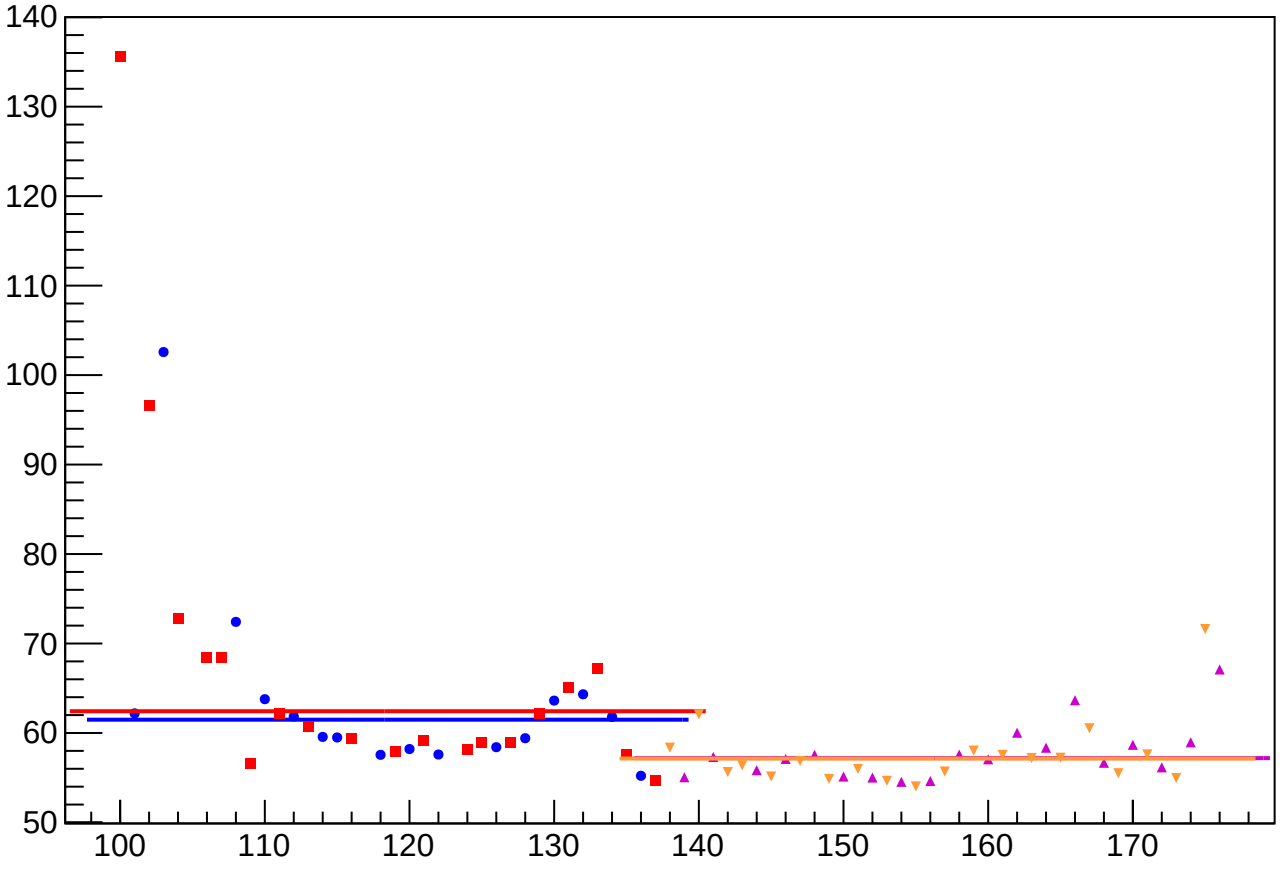
Left In: 190.745+/-14.553 χ^2/NDF:24.9/18

+ sign -200.573+/-12.215 χ^2/NDF: 52.8/35

All: -14.483+/-8.677 χ^2/NDF: 595.2/73

- sign 175.097+/-12.329 χ^2/NDF: 73.9/37

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.147+/-0.010 χ^2/NDF:105973.3/19

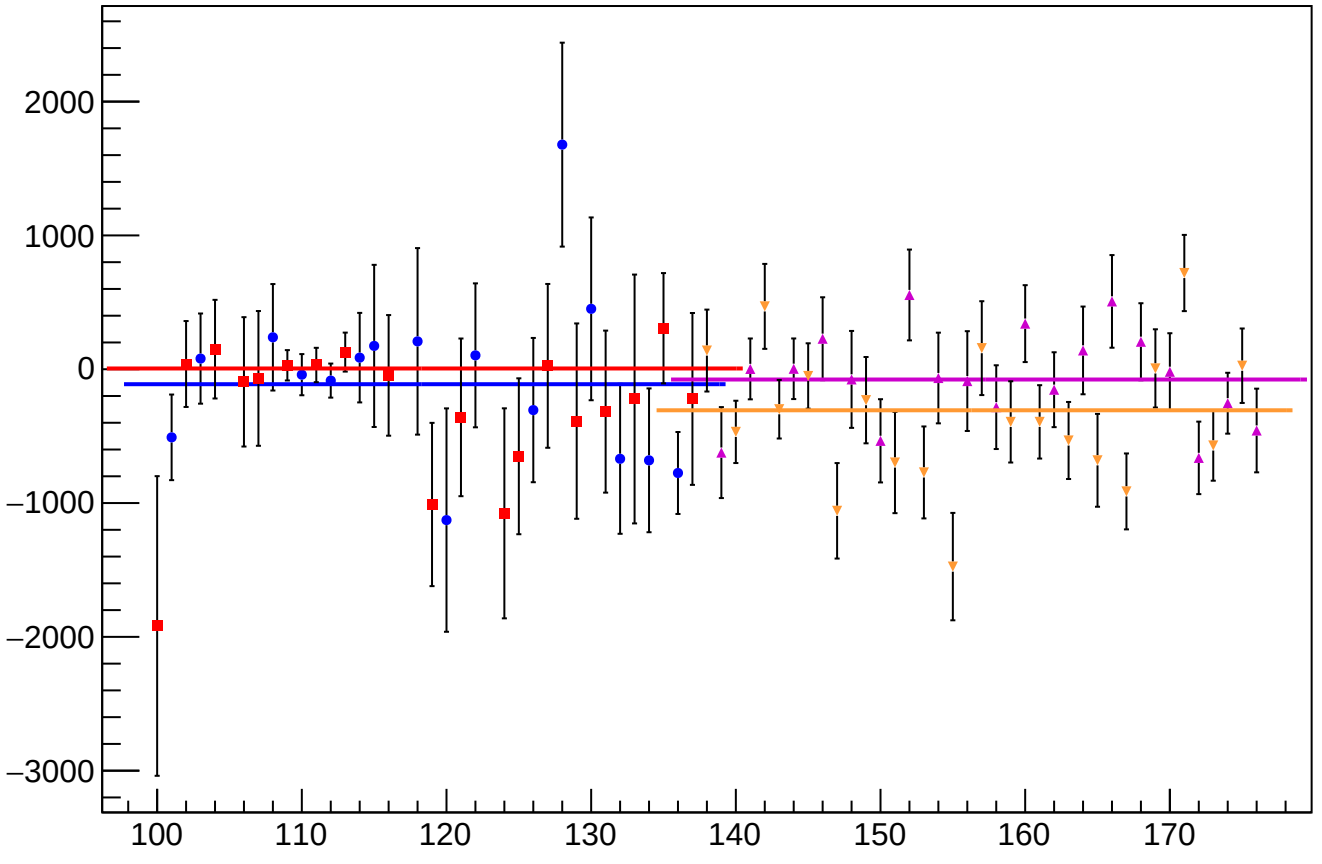
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 57.191+/-0.010 χ^2/NDF:63659.6/18

+ sign 58.358+/-0.009 χ^2/NDF: 407432.3/35

All: 58.513+/-0.006 χ^2/NDF: 824394.8/73

- sign 58.671+/-0.009 χ^2/NDF: 416314.4/37



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -306.780+/-65.616 χ^2/NDF:50.4/19

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

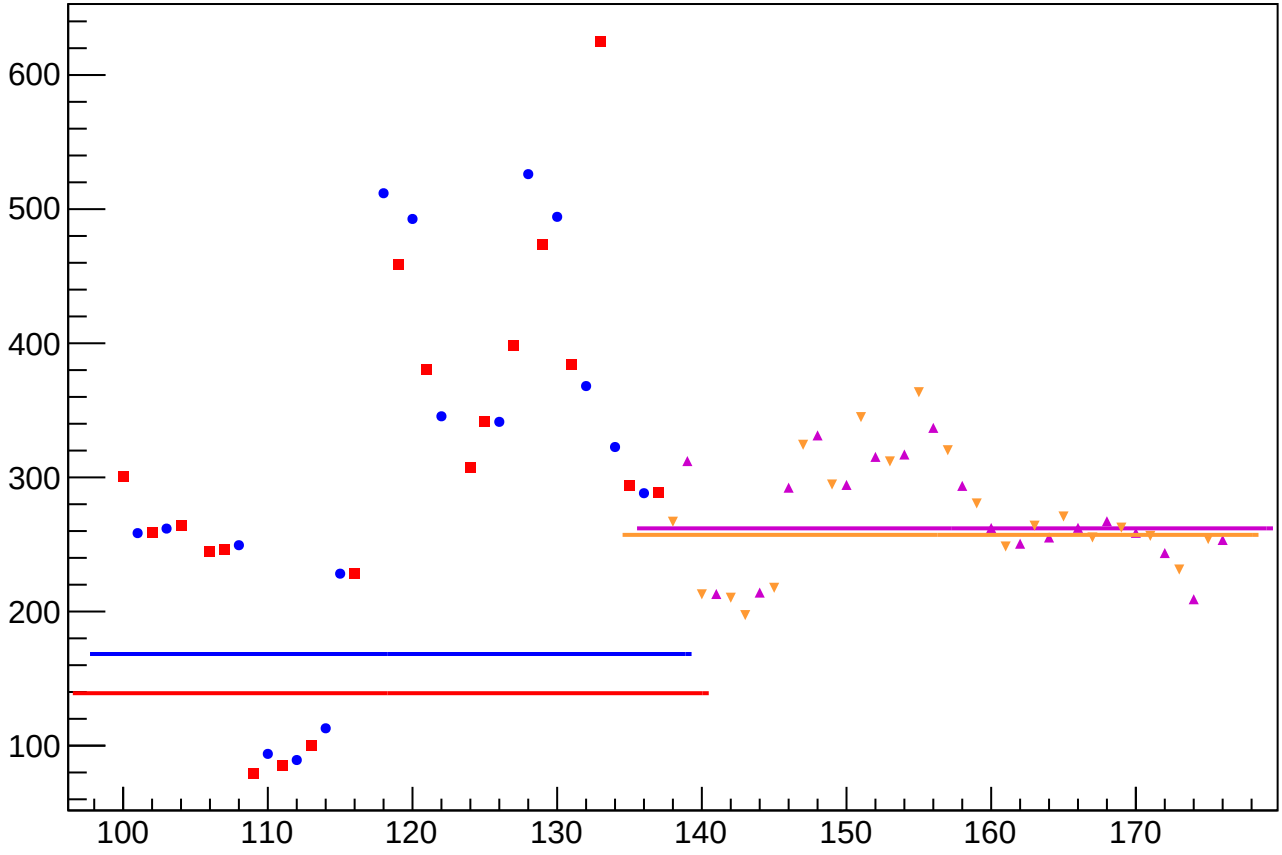
Left In: -76.845+/-67.338 χ^2/NDF:23.1/18

+ sign -223.806+/-49.725 χ^2/NDF: 72.6/35

All: -122.163+/-33.933 χ^2/NDF: 115.9/73

- sign -33.575+/-46.422 χ^2/NDF: 35.5/37

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.154+/-0.046 χ^2/NDF:820023.2/19

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

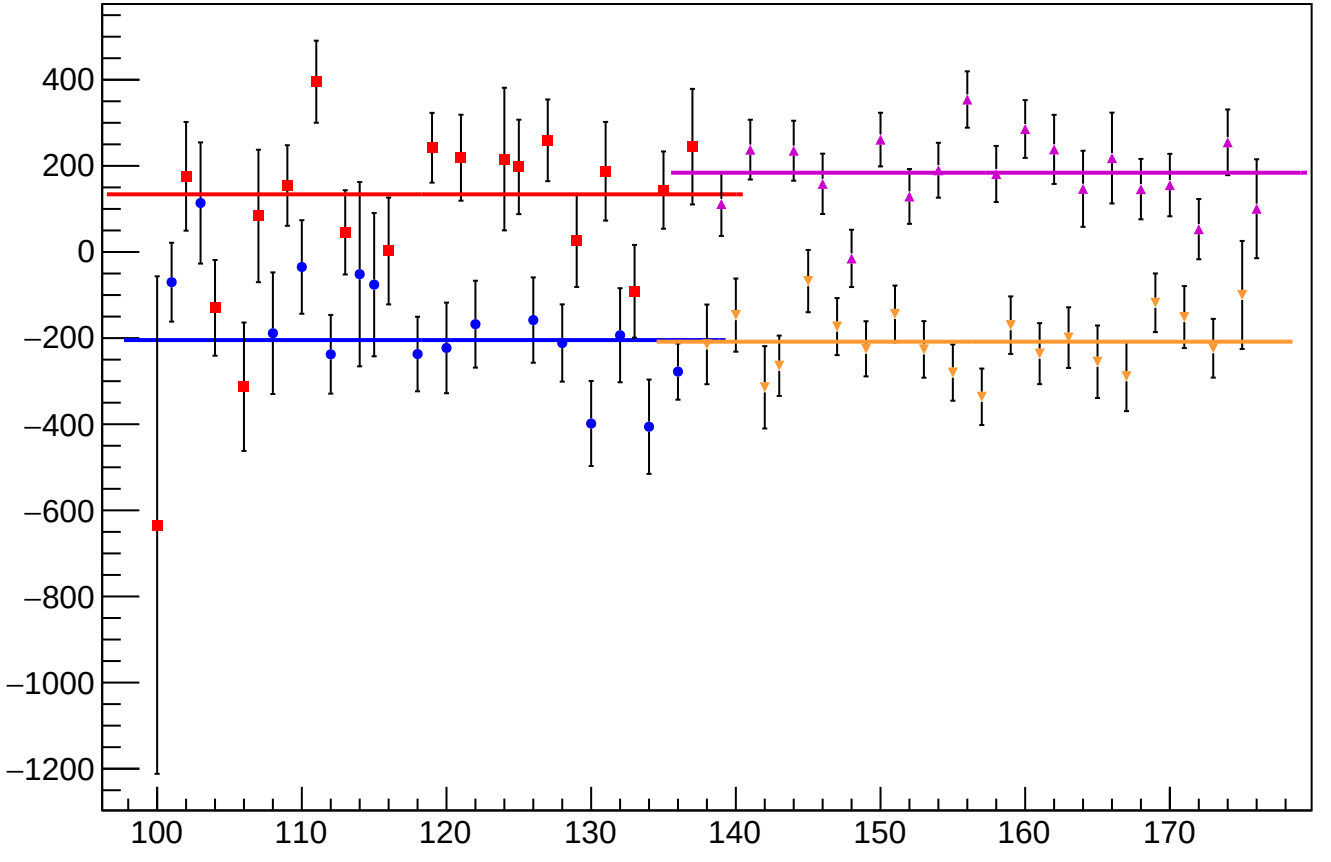
Left In: 262.007+/-0.048 χ^2/NDF:666984.5/18

+ sign 219.342+/-0.035 χ^2/NDF: 6924302.8/35

All: 207.680+/-0.024 χ^2/NDF: 16423215.0/73

- sign 197.516+/-0.033 χ^2/NDF: 9293030.5/37

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -208.278+/-16.297 χ^2/NDF:17.6/19

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

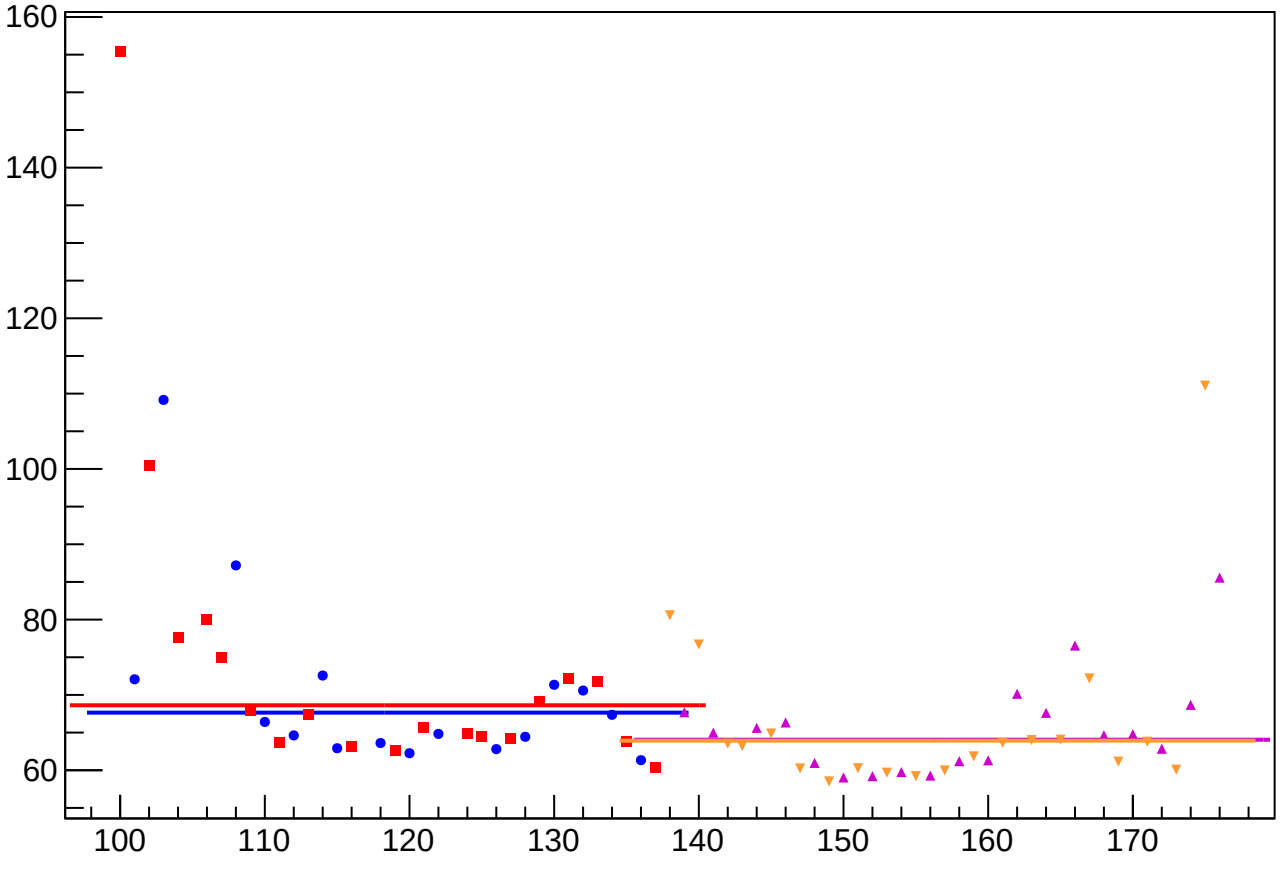
Left In: 184.093+/-16.472 χ^2/NDF:28.6/18

+ sign -207.206+/-13.736 χ^2/NDF: 37.6/35

All: -20.287+/-9.747 χ^2/NDF: 479.2/73

- sign 169.310+/-13.834 χ^2/NDF: 68.6/37

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.925+/-0.012 χ^2/NDF:478058.6/19

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

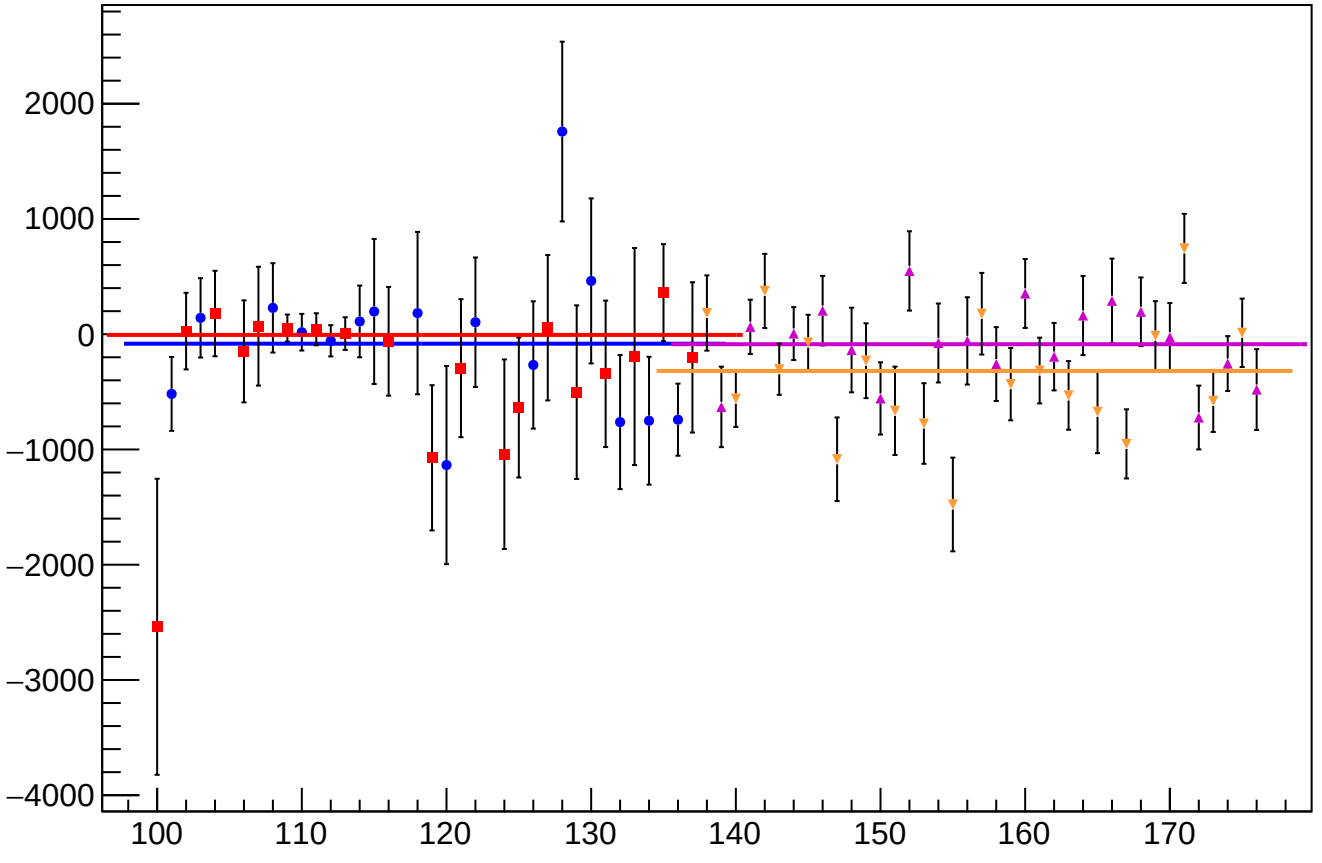
Left In: 64.053+/-0.012 χ^2/NDF:185246.7/18

+ sign 65.003+/-0.010 χ^2/NDF: 771949.3/35

All: 65.200+/-0.007 χ^2/NDF: 1251567.3/73

- sign 65.400+/-0.010 χ^2/NDF: 478787.7/37

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -318.795+/-67.561 χ^2/NDF:48.0/19

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

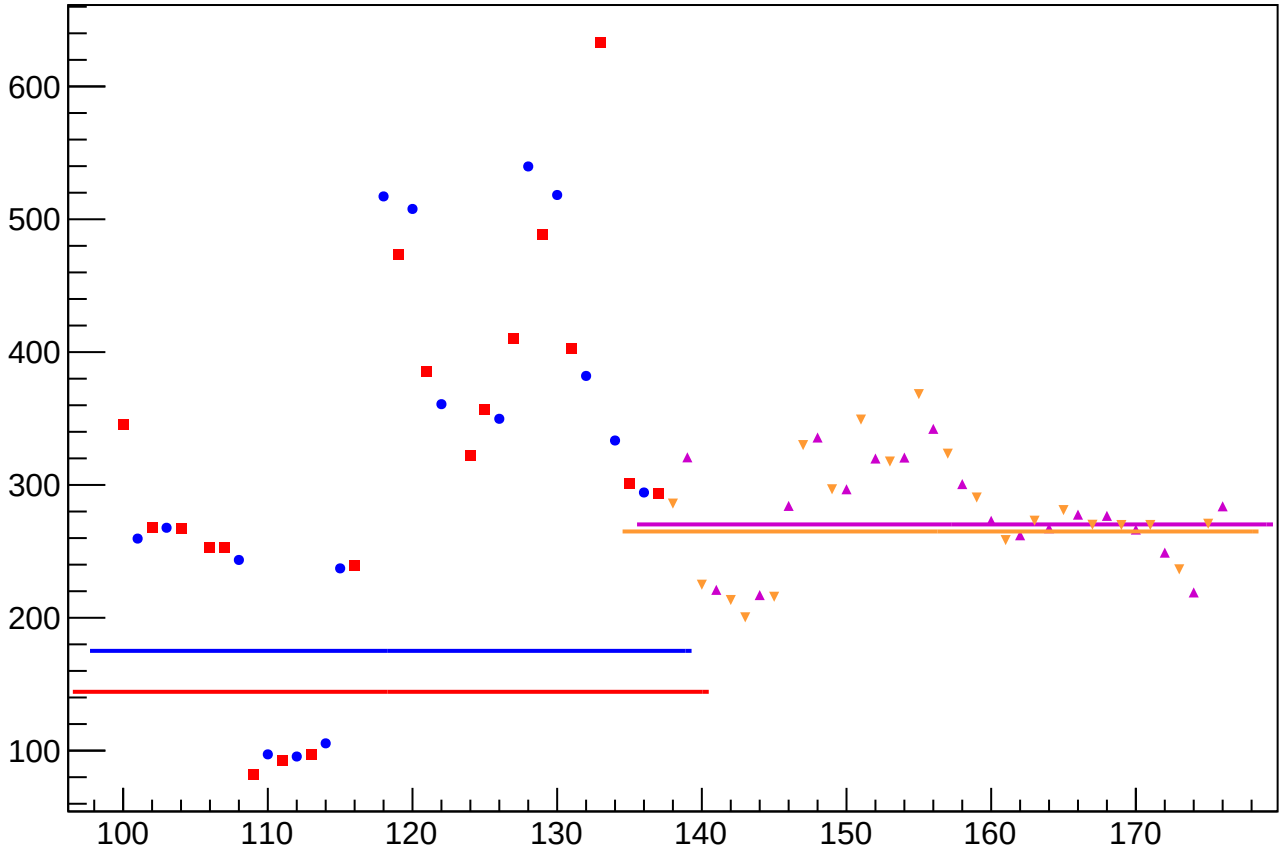
Left In: -86.663+/-69.391 χ^2/NDF:21.8/18

+ sign -218.389+/-51.256 χ^2/NDF: 72.4/35

All: -125.252+/-34.953 χ^2/NDF: 113.1/73

- sign -44.291+/-47.789 χ^2/NDF: 34.5/37

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 264.977+/-0.048 χ^2/NDF:819110.3/19

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

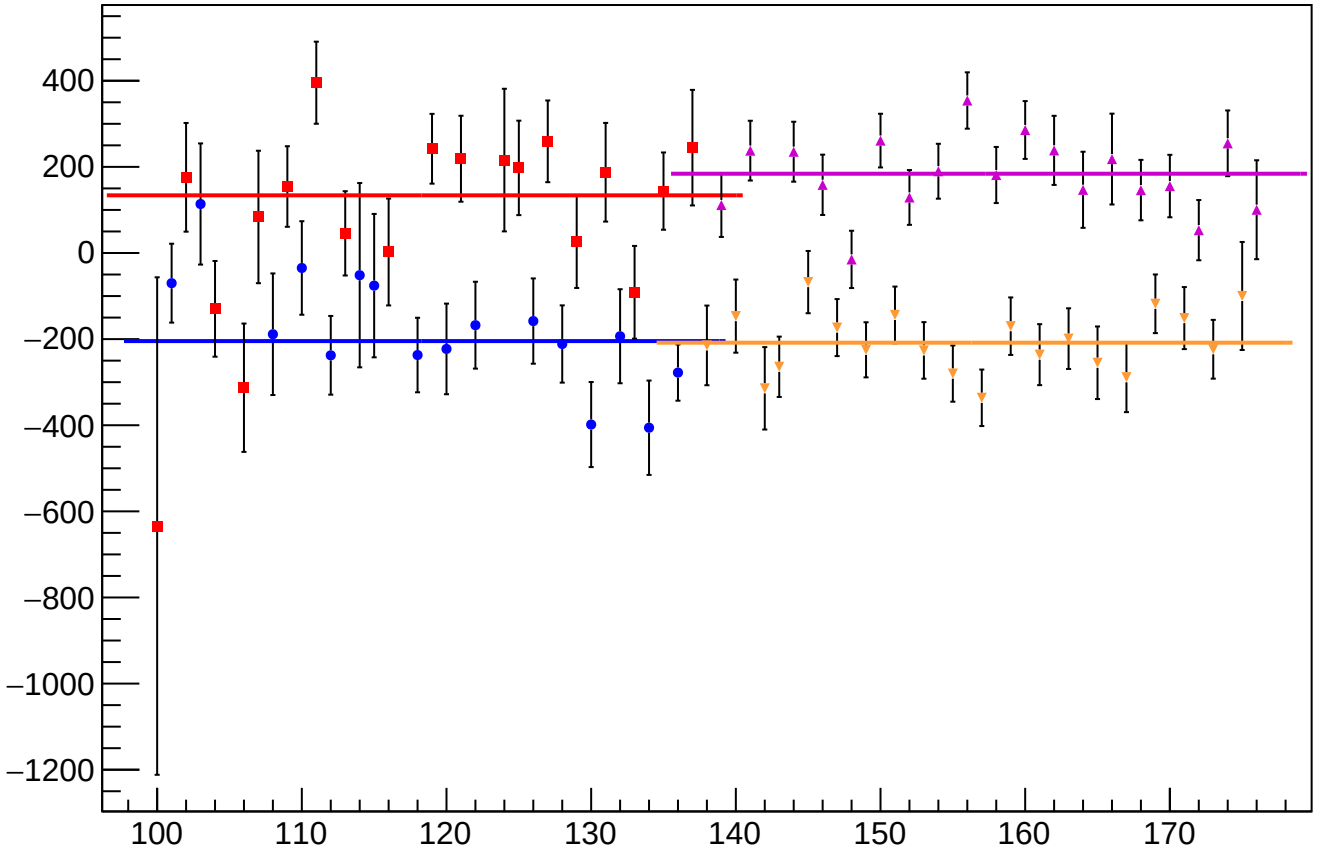
Left In: 270.284+/-0.049 χ^2/NDF:604777.5/18

+ sign 226.830+/-0.036 χ^2/NDF: 6750443.7/35

All: 214.639+/-0.025 χ^2/NDF: 16166271.5/73

- sign 204.041+/-0.034 χ^2/NDF: 9204322.6/37

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -208.278+/-16.297 χ^2/NDF:17.6/19

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

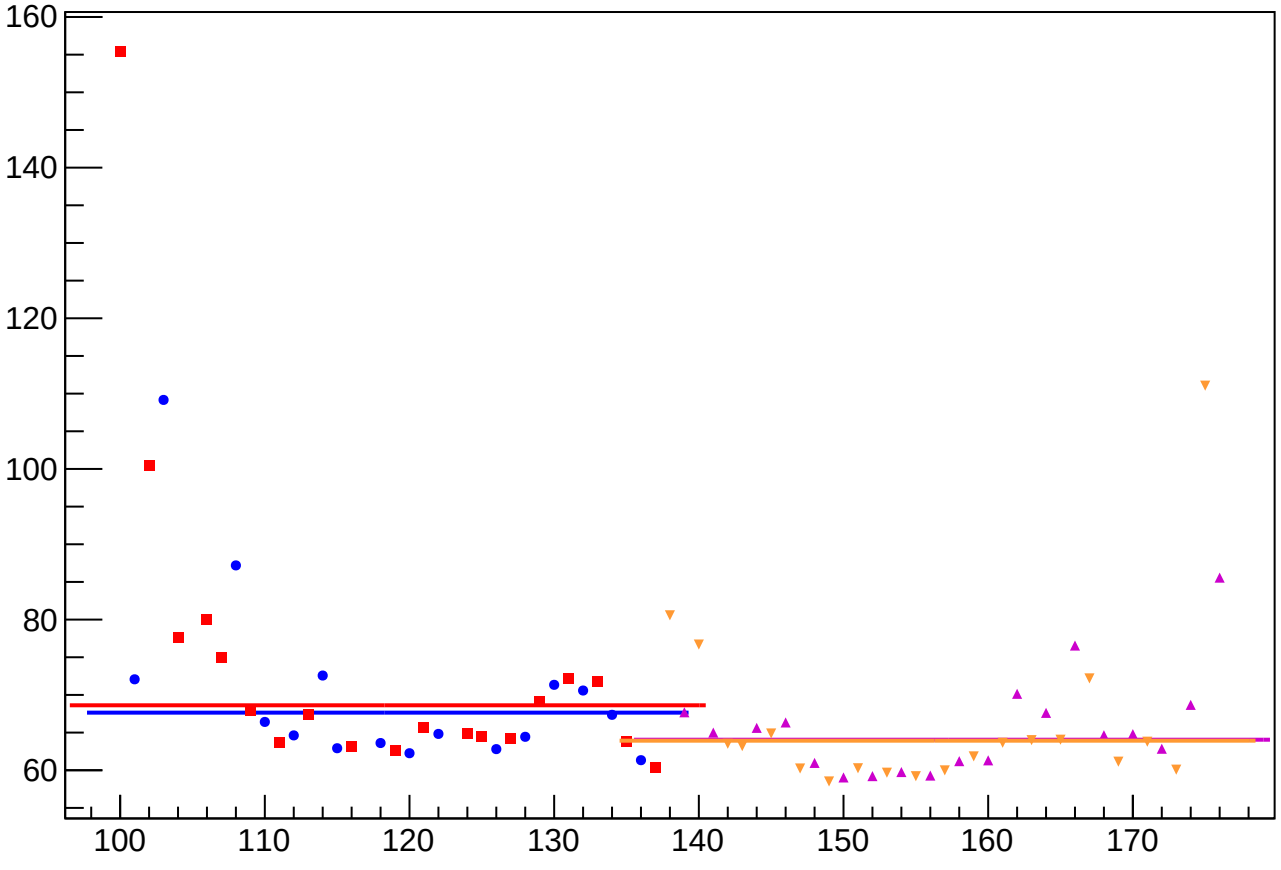
Left In: 184.095+/-16.472 χ^2/NDF:28.6/18

+ sign -207.206+/-13.736 χ^2/NDF: 37.6/35

All: -20.287+/-9.747 χ^2/NDF: 479.2/73

- sign 169.311+/-13.834 χ^2/NDF: 68.6/37

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.925+/-0.012 χ^2/NDF:478057.8/19

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

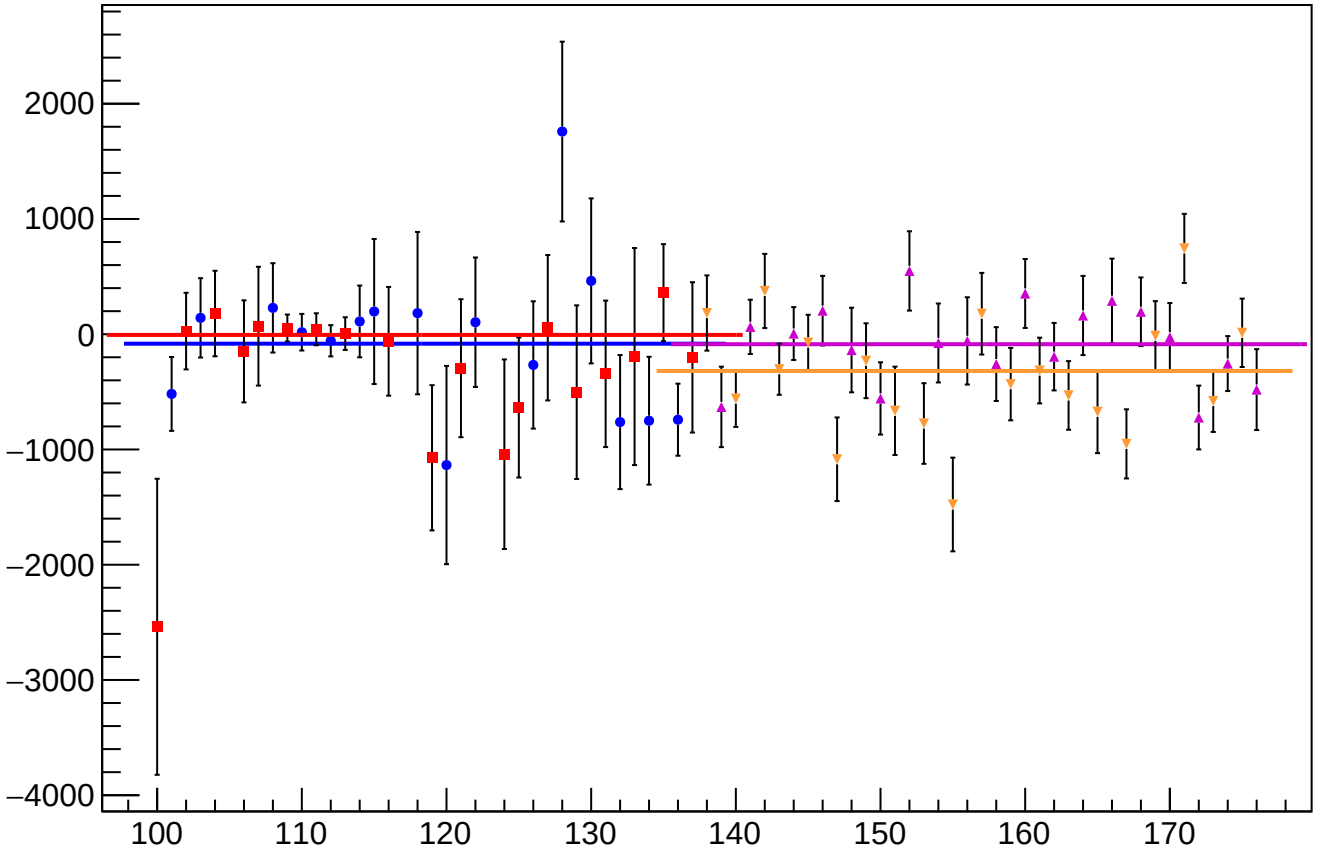
Left In: 64.053+/-0.012 χ^2/NDF:185245.4/18

+ sign 65.003+/-0.010 χ^2/NDF: 771944.3/35

All: 65.200+/-0.007 χ^2/NDF: 1251557.5/73

- sign 65.400+/-0.010 χ^2/NDF: 478782.9/37

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -318.795+/-67.561 χ^2/NDF:48.0/19

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

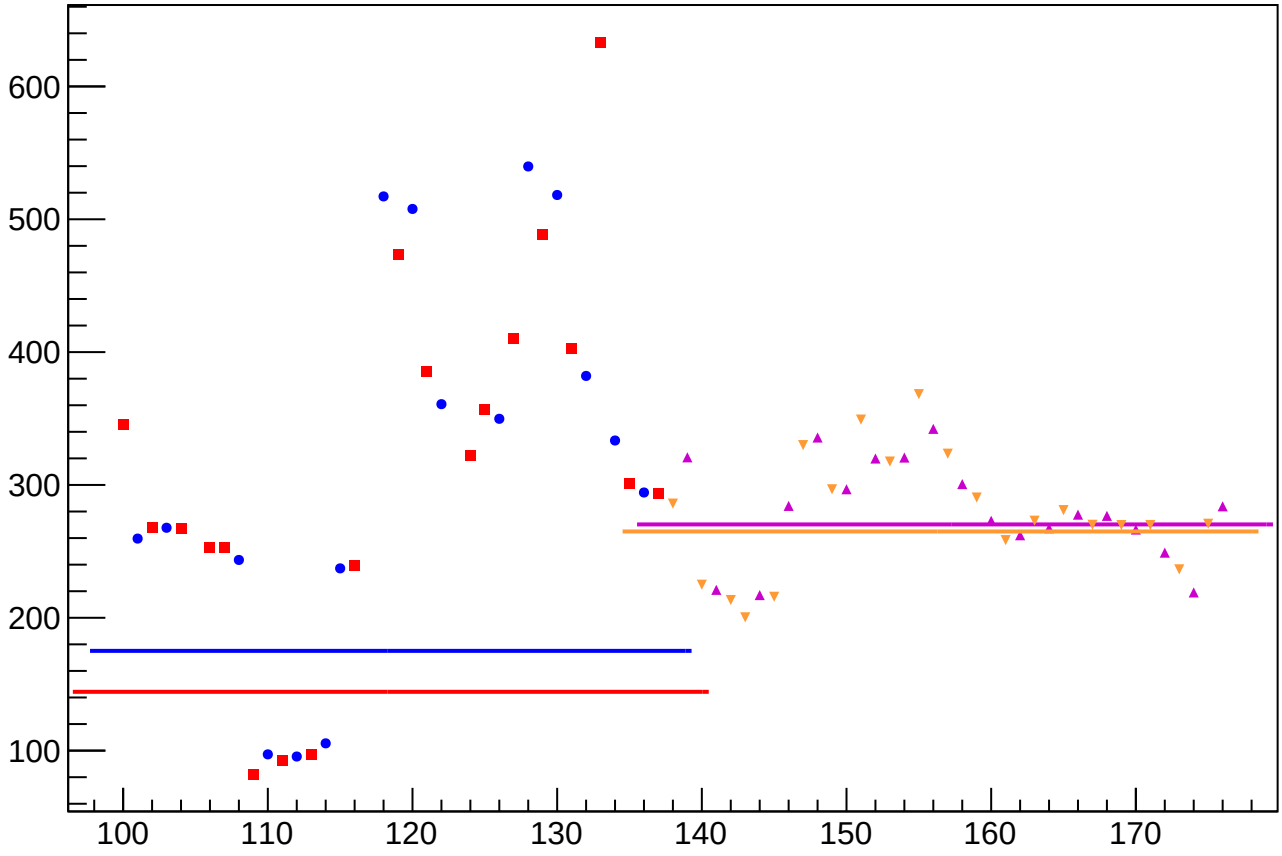
Left In: -86.662+/-69.391 χ^2/NDF:21.8/18

+ sign -218.387+/-51.256 χ^2/NDF: 72.4/35

All: -125.251+/-34.953 χ^2/NDF: 113.1/73

- sign -44.290+/-47.789 χ^2/NDF: 34.5/37

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 264.976+/-0.048 χ^2/NDF:819119.7/19

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

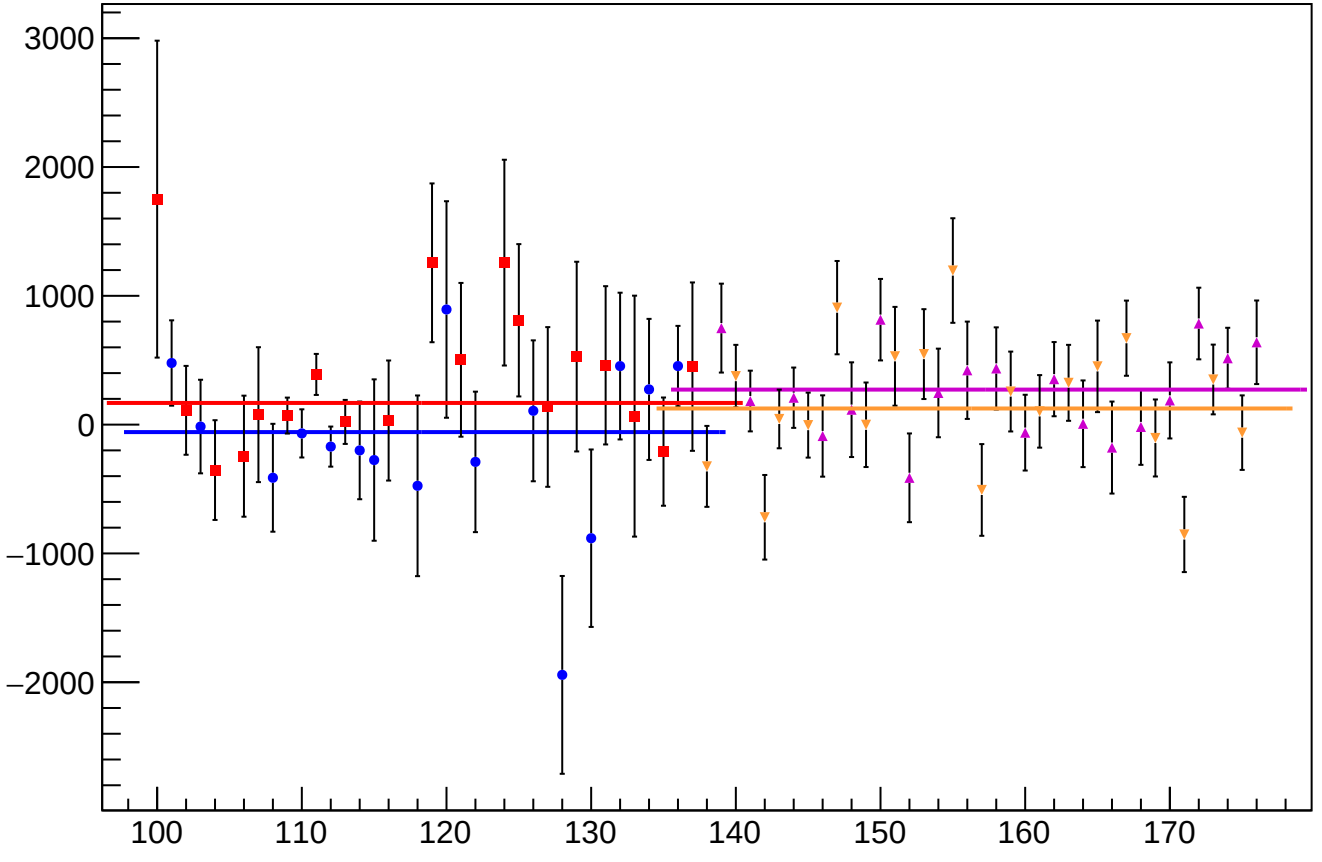
Left In: 270.283+/-0.049 χ^2/NDF:604782.6/18

+ sign 226.829+/-0.036 χ^2/NDF: 6750502.7/35

All: 214.638+/-0.025 χ^2/NDF: 16166288.7/73

- sign 204.040+/-0.034 χ^2/NDF: 9204292.4/37

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 125.280+/-67.429 χ^2/NDF:45.5/19

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

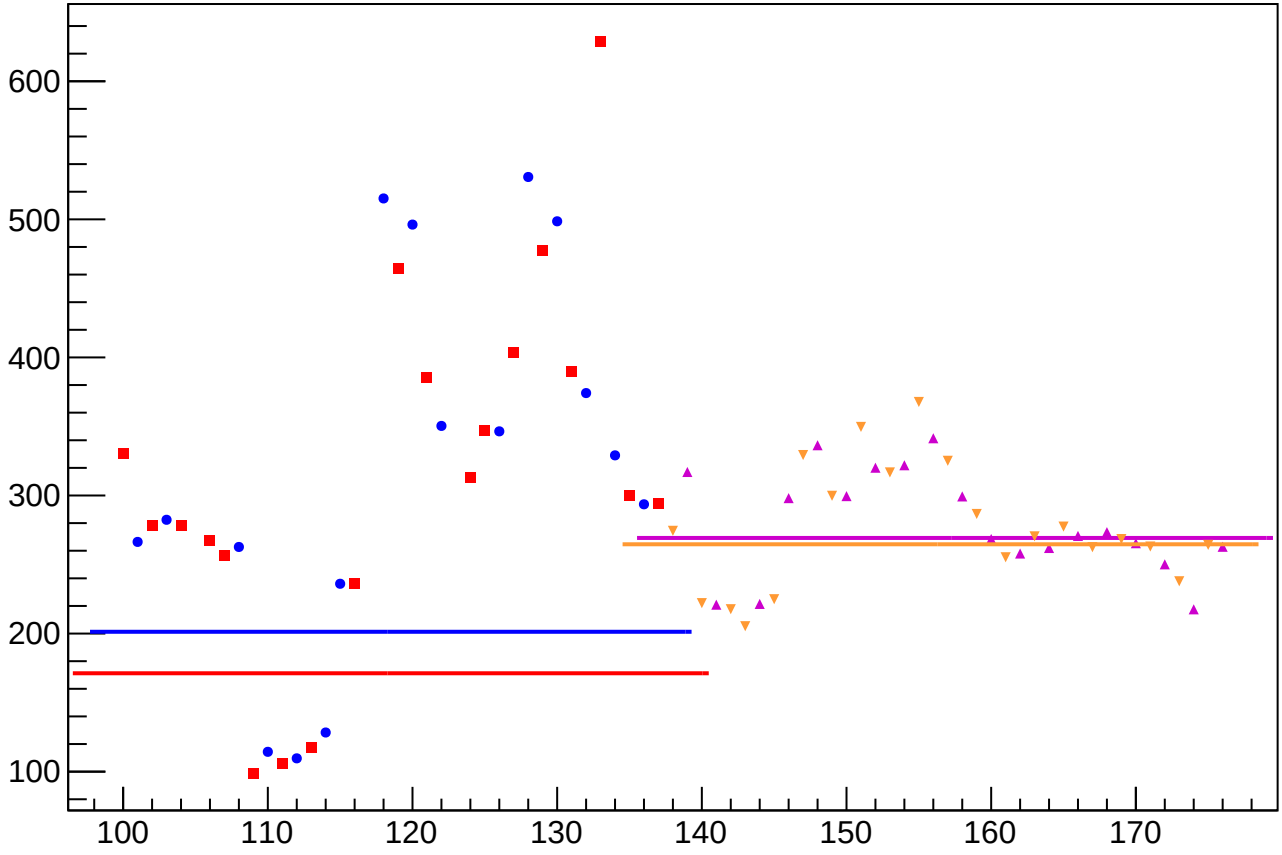
Left In: 271.928+/-69.115 χ^2/NDF:21.3/18

+ sign 56.403+/-53.270 χ^2/NDF: 65.7/35

All: 144.382+/-36.725 χ^2/NDF: 108.7/73

- sign 224.072+/-50.699 χ^2/NDF: 37.8/37

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 264.669+/-0.048 χ^2/NDF:741981.5/19

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

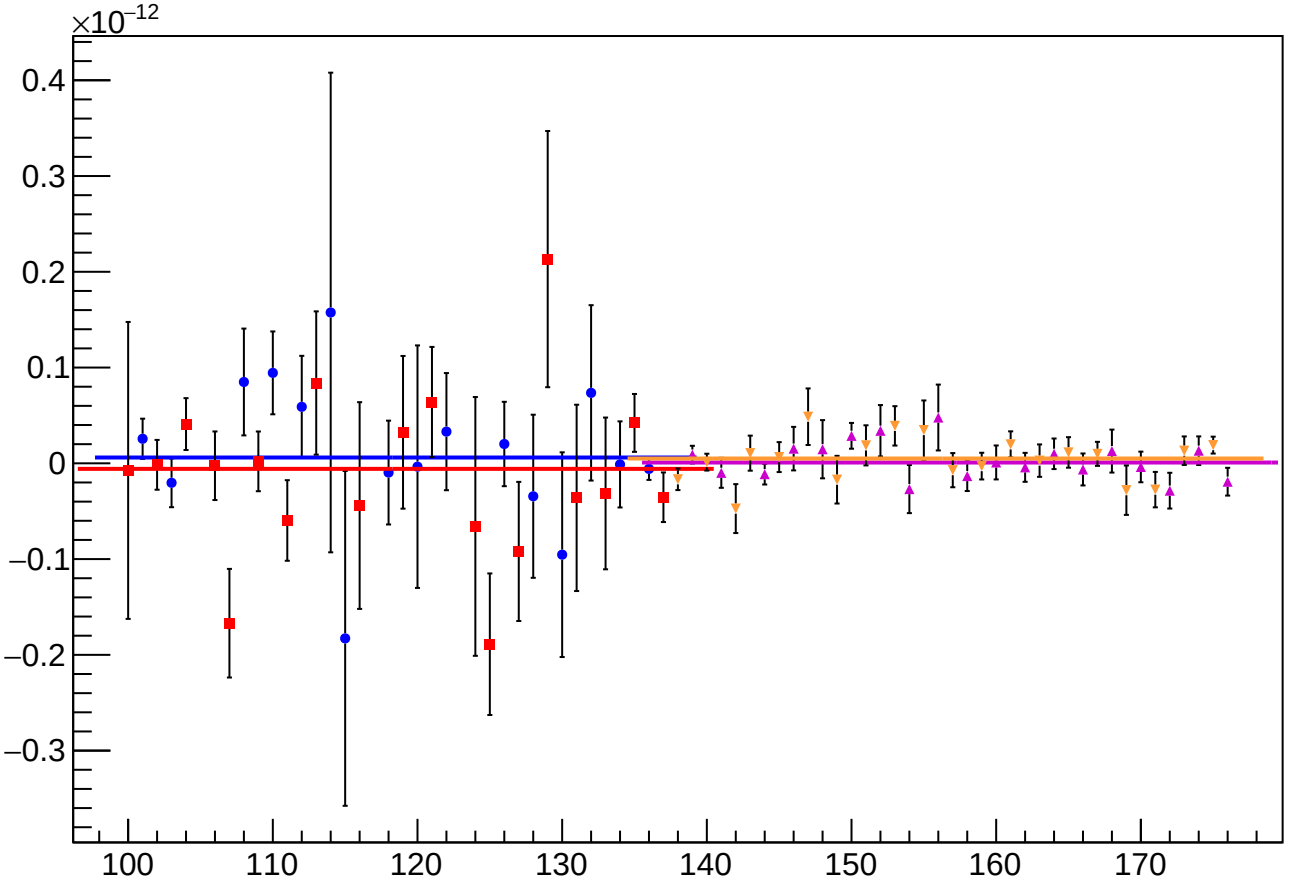
Left In: 269.257+/-0.049 χ^2/NDF:599175.1/18

+ sign 240.851+/-0.038 χ^2/NDF: 4978076.1/35

All: 232.003+/-0.026 χ^2/NDF: 11732504.2/73

- sign 223.988+/-0.036 χ^2/NDF: 6649262.4/37

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:25.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

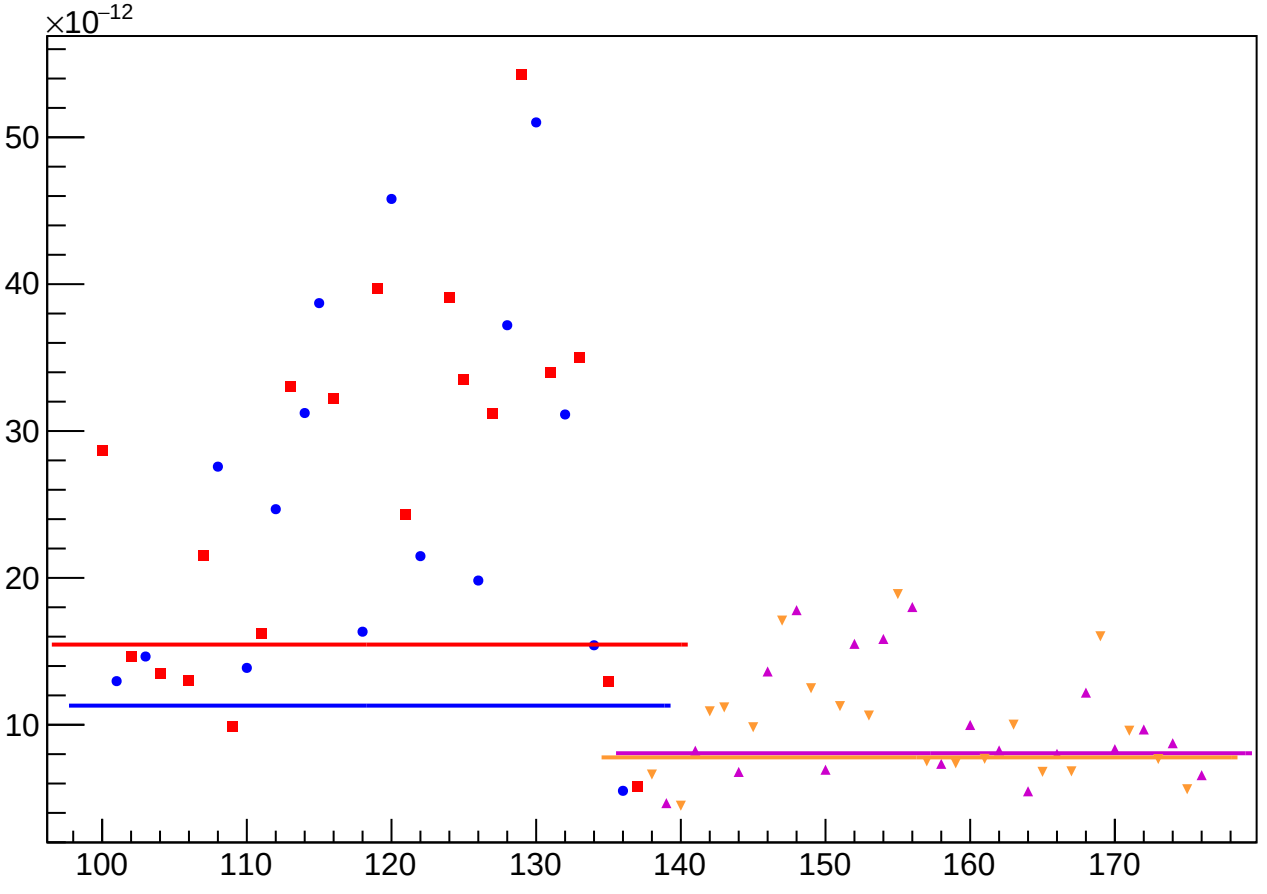
Left In: 0.000+/-0.000 χ^2/NDF:18.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 38.9/35

All: 0.000+/-0.000 χ^2/NDF: 89.9/73

- sign 0.000+/-0.000 χ^2/NDF: 49.8/37

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1458338.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

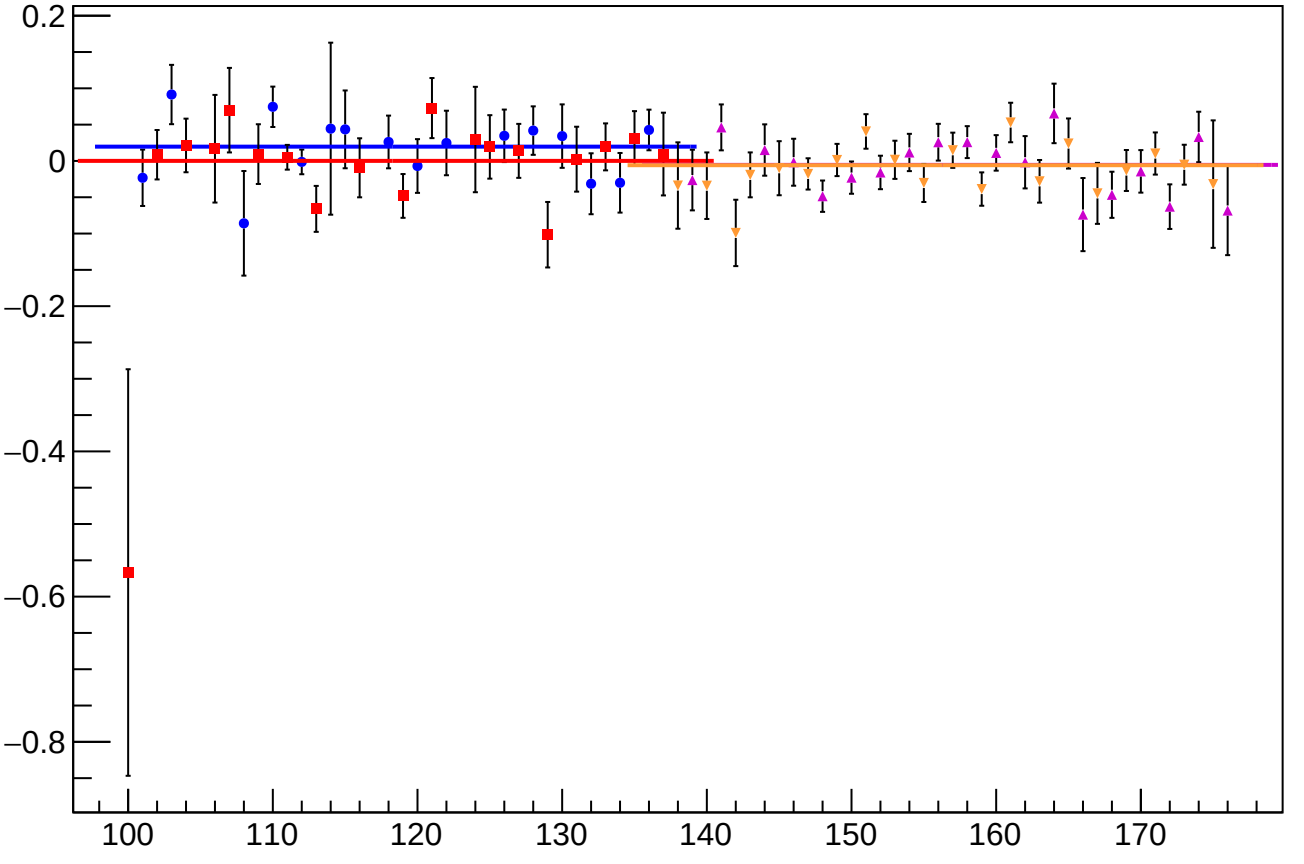
Left In: 0.000+/-0.000 χ^2/NDF:1341067.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 3558824.1/35

All: 0.000+/-0.000 χ^2/NDF: 7310709.5/73

- sign 0.000+/-0.000 χ^2/NDF: 3715833.4/37

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

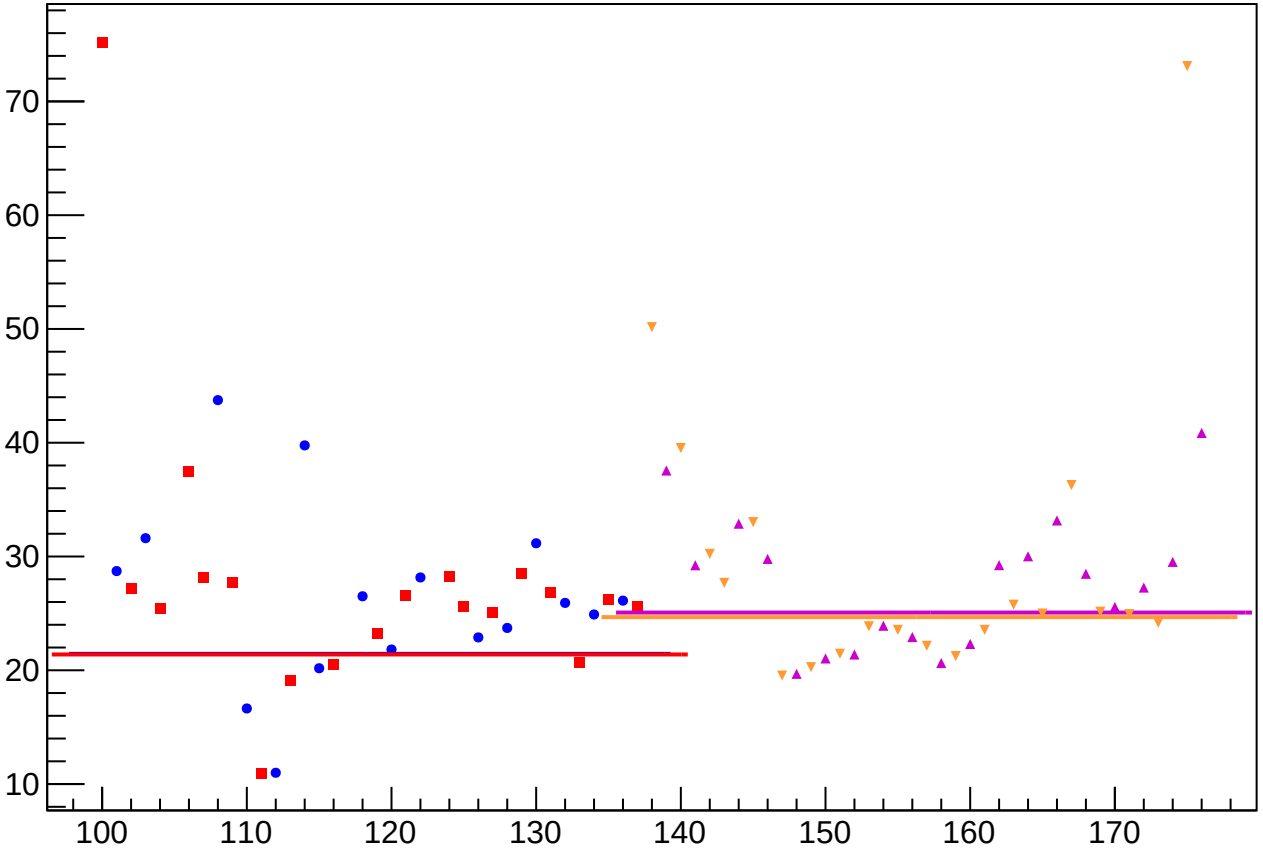
Left In: -0.005+/-0.007 χ^2/NDF:24.9/18

+ sign 0.003+/-0.005 χ^2/NDF: 42.8/35

All: 0.000+/-0.004 χ^2/NDF: 91.6/73

- sign -0.003+/-0.005 χ^2/NDF: 48.0/37

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.0/19

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

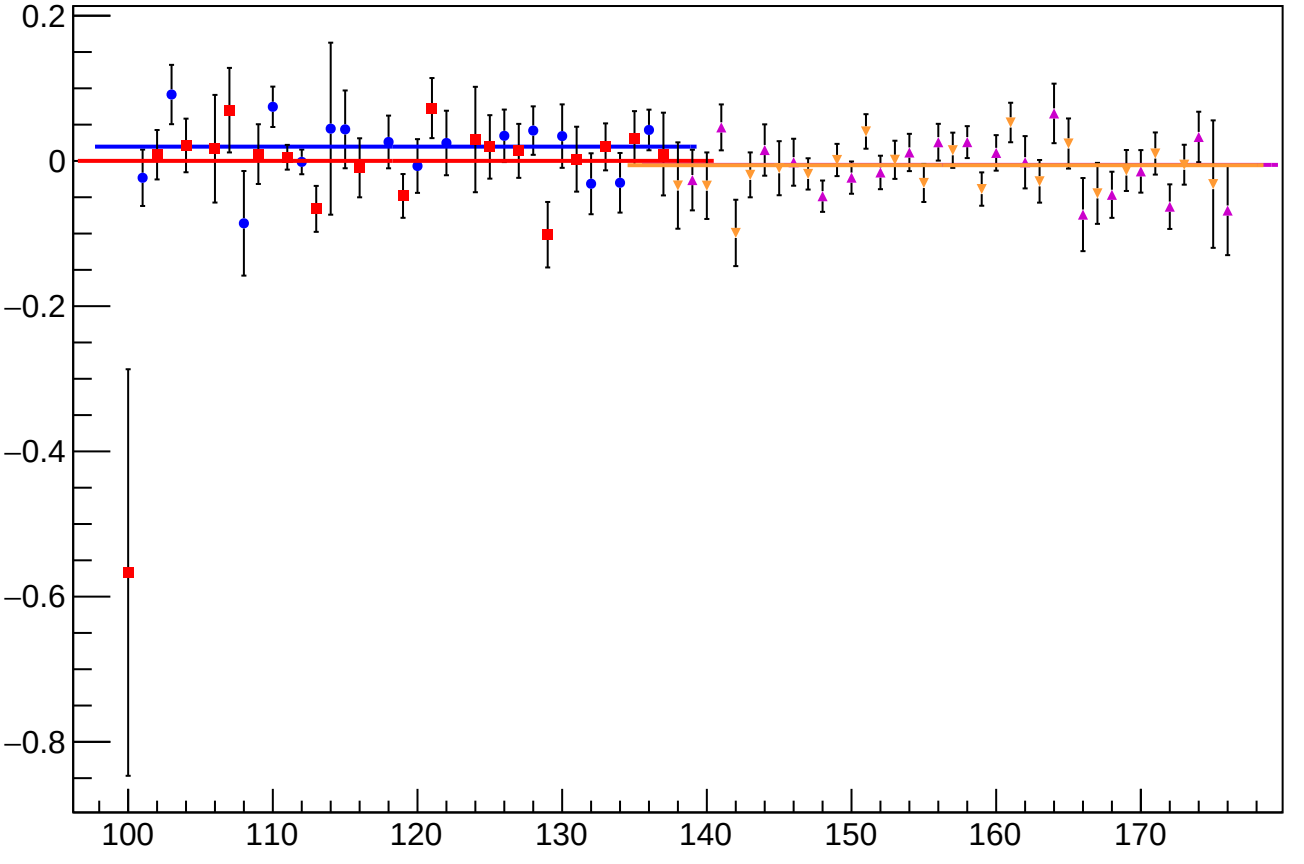
Left In: 25.074+/-0.005 χ^2/NDF:1026631.1/18

+ sign 23.500+/-0.004 χ^2/NDF: 3513466.0/35

All: 23.581+/-0.003 χ^2/NDF: 6084576.9/73

- sign 23.663+/-0.004 χ^2/NDF: 2570145.8/37

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

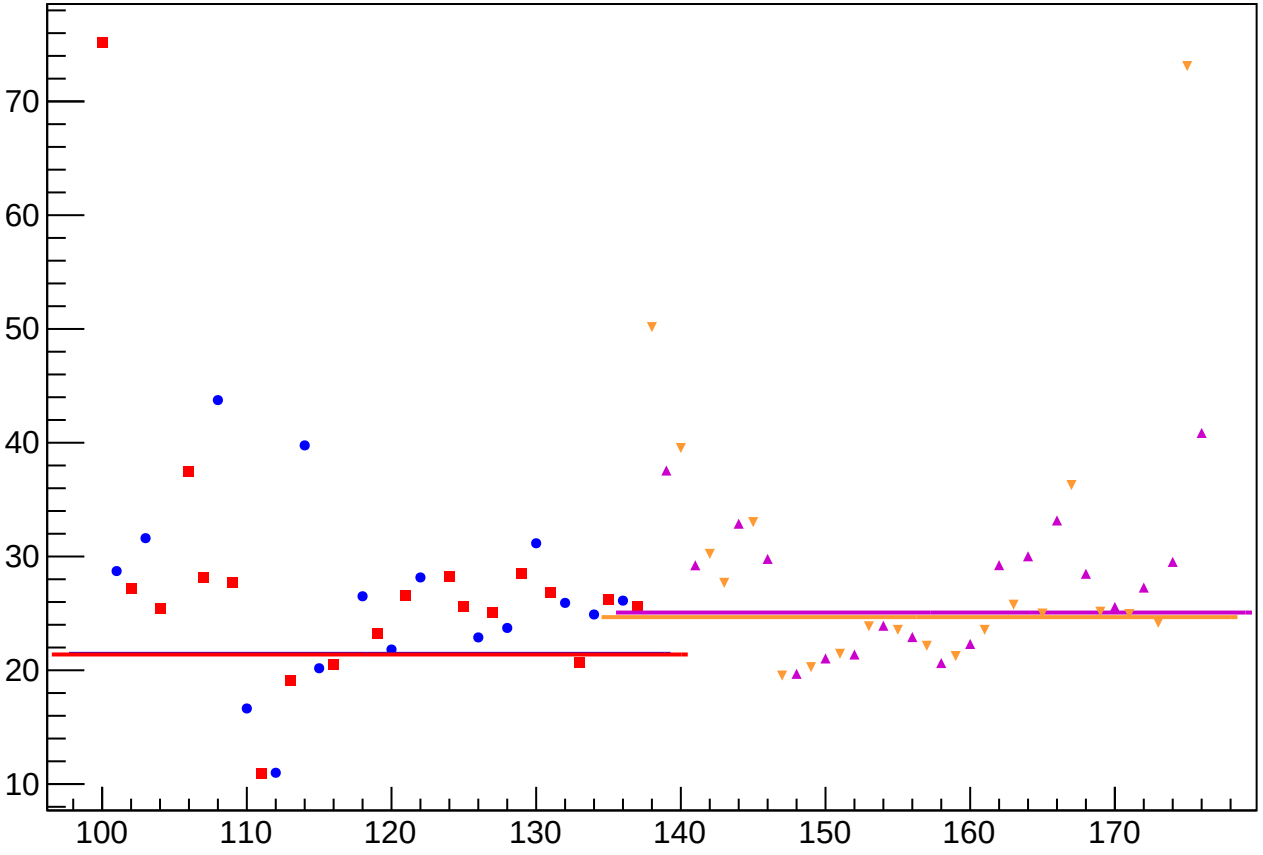
Left In: -0.005+/-0.007 χ^2/NDF:24.9/18

+ sign 0.003+/-0.005 χ^2/NDF: 42.8/35

All: 0.000+/-0.004 χ^2/NDF: 91.6/73

- sign -0.003+/-0.005 χ^2/NDF: 48.0/37

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.0/19

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

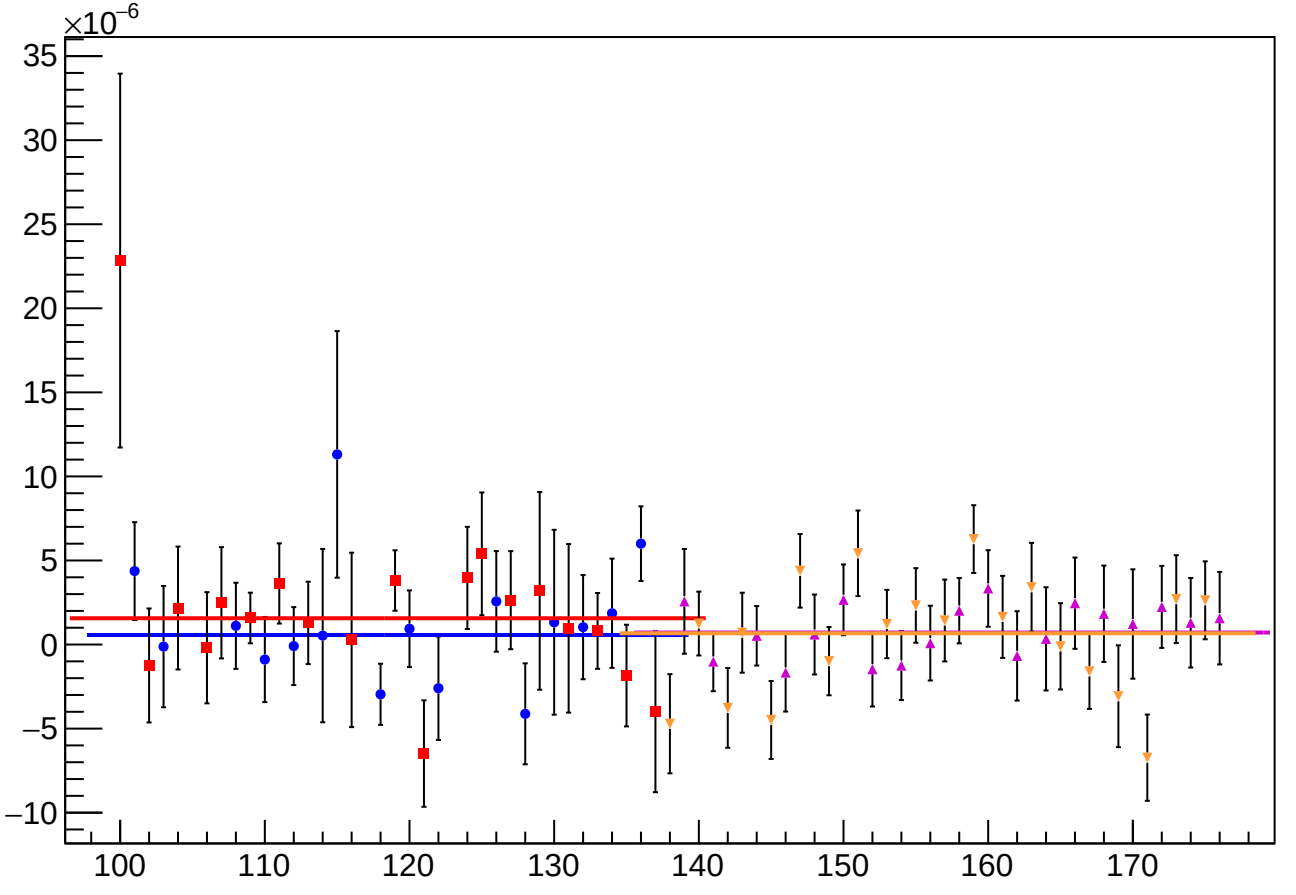
Left In: 25.074+/-0.005 χ^2/NDF:1026631.1/18

+ sign 23.500+/-0.004 χ^2/NDF: 3513466.0/35

All: 23.581+/-0.003 χ^2/NDF: 6084576.9/73

- sign 23.663+/-0.004 χ^2/NDF: 2570145.8/37

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:40.9/19

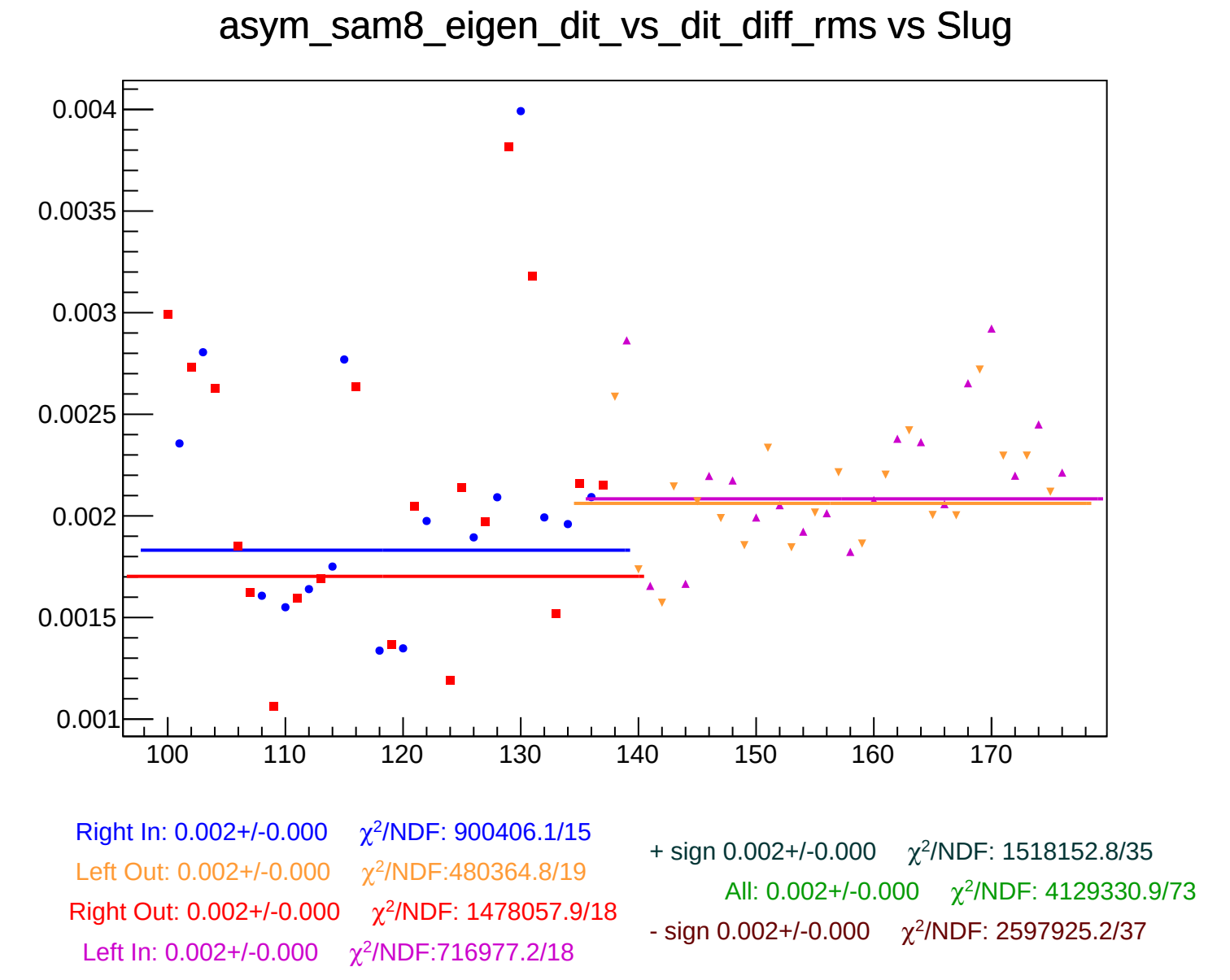
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/18

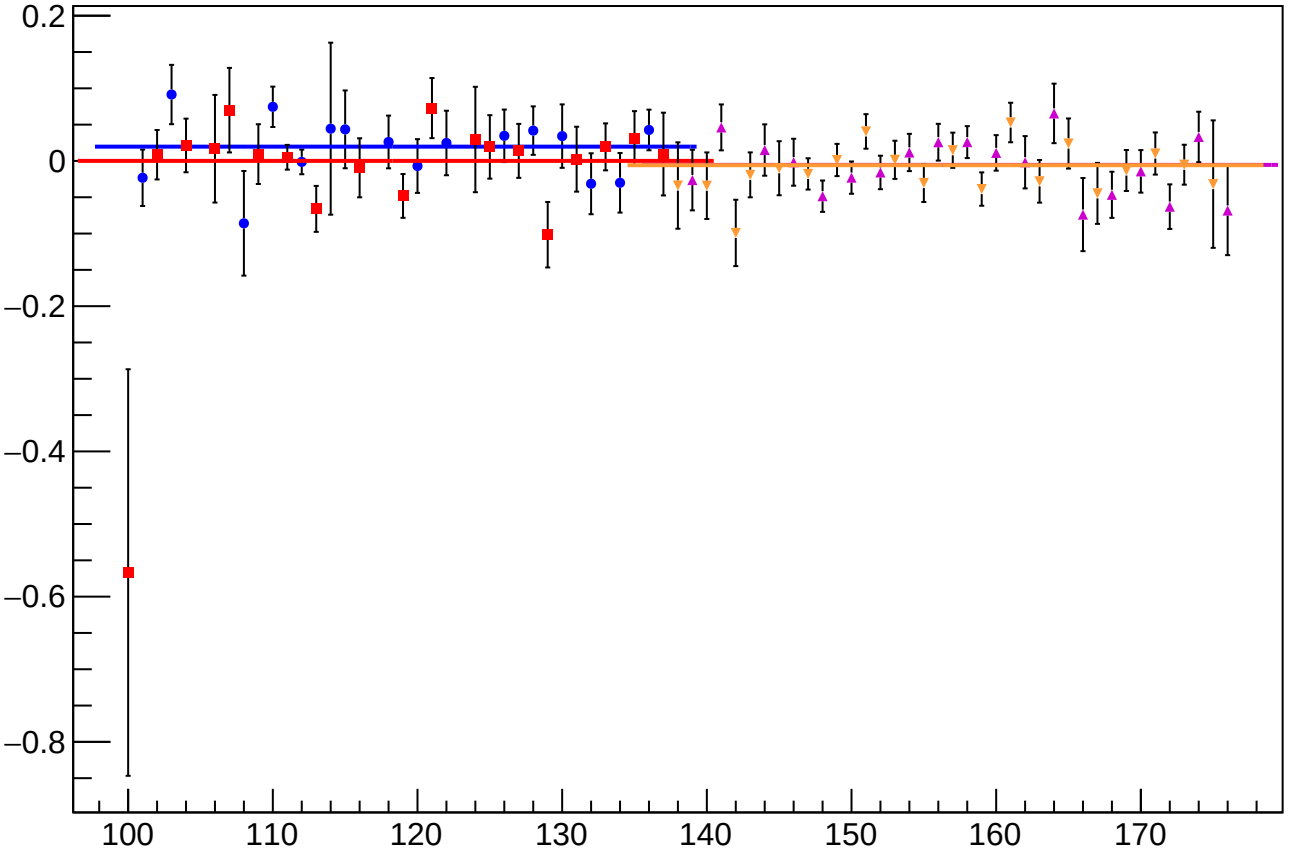
+ sign 0.000+/-0.000 χ^2/NDF: 59.2/35

All: 0.000+/-0.000 χ^2/NDF: 87.3/73

- sign 0.000+/-0.000 χ^2/NDF: 27.7/37


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 900406.1/15
Left Out: 0.002+/-0.000 χ²/NDF:480364.8/19
Right Out: 0.002+/-0.000 χ²/NDF: 1478057.9/18
Left In: 0.002+/-0.000 χ²/NDF:716977.2/18
+ sign 0.002+/-0.000 χ²/NDF: 1518152.8/35
All: 0.002+/-0.000 χ²/NDF: 4129330.9/73
- sign 0.002+/-0.000 χ²/NDF: 2597925.2/37

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

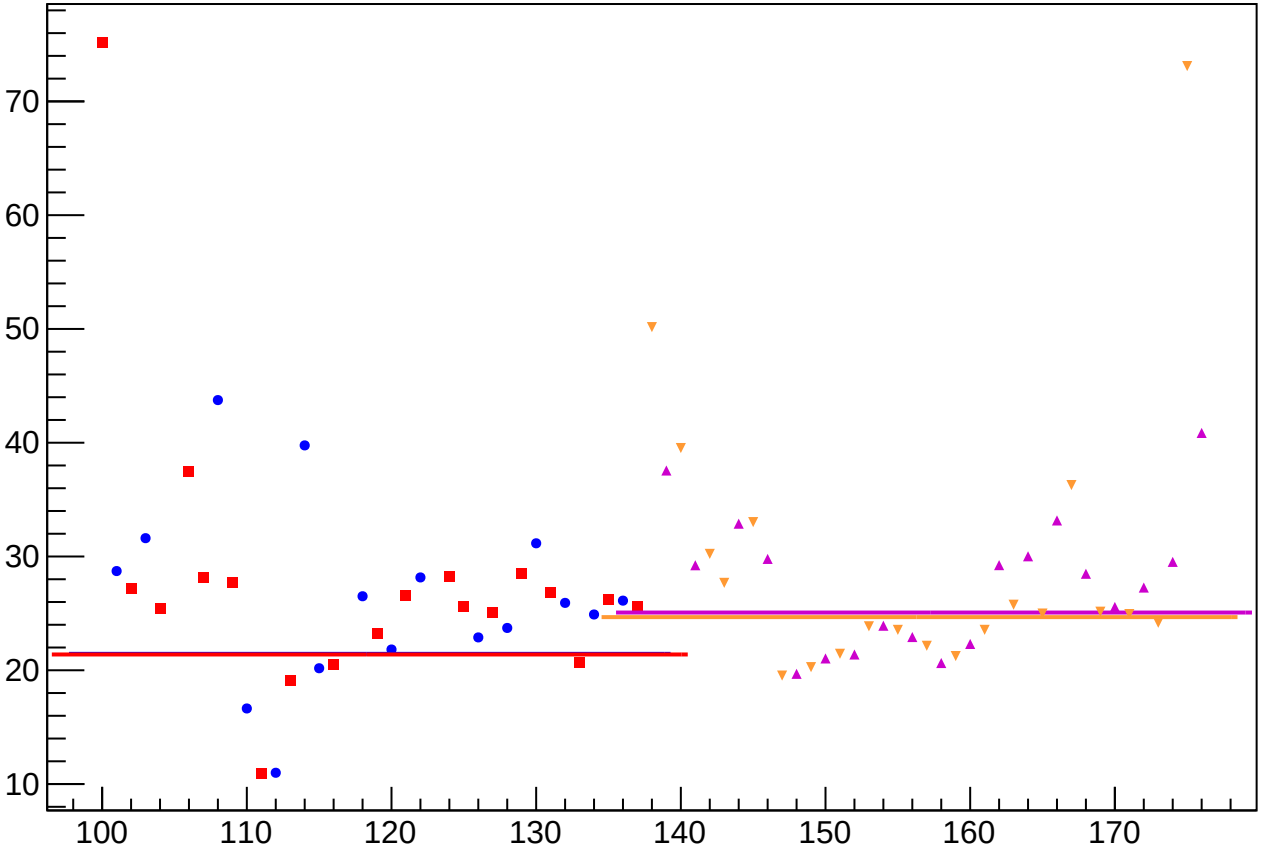
Left In: -0.005+/-0.007 χ^2/NDF:24.9/18

+ sign 0.003+/-0.005 χ^2/NDF: 42.8/35

All: 0.000+/-0.004 χ^2/NDF: 91.6/73

- sign -0.003+/-0.005 χ^2/NDF: 48.0/37

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.2/19

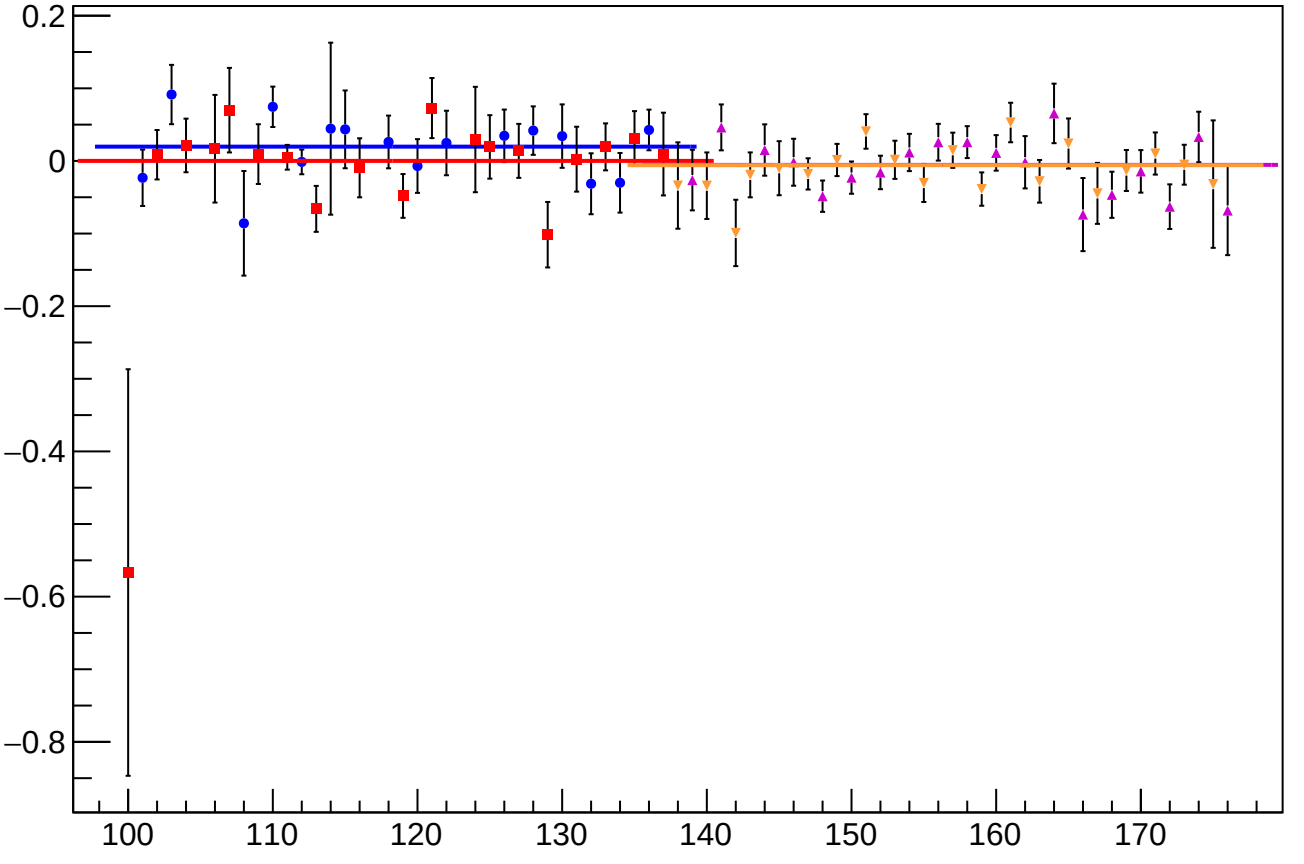
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.074+/-0.005 χ^2/NDF:1026628.6/18

+ sign 23.500+/-0.004 χ^2/NDF: 3513702.4/35

All: 23.581+/-0.003 χ^2/NDF: 6085037.4/73

- sign 23.663+/-0.004 χ^2/NDF: 2570369.9/37



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

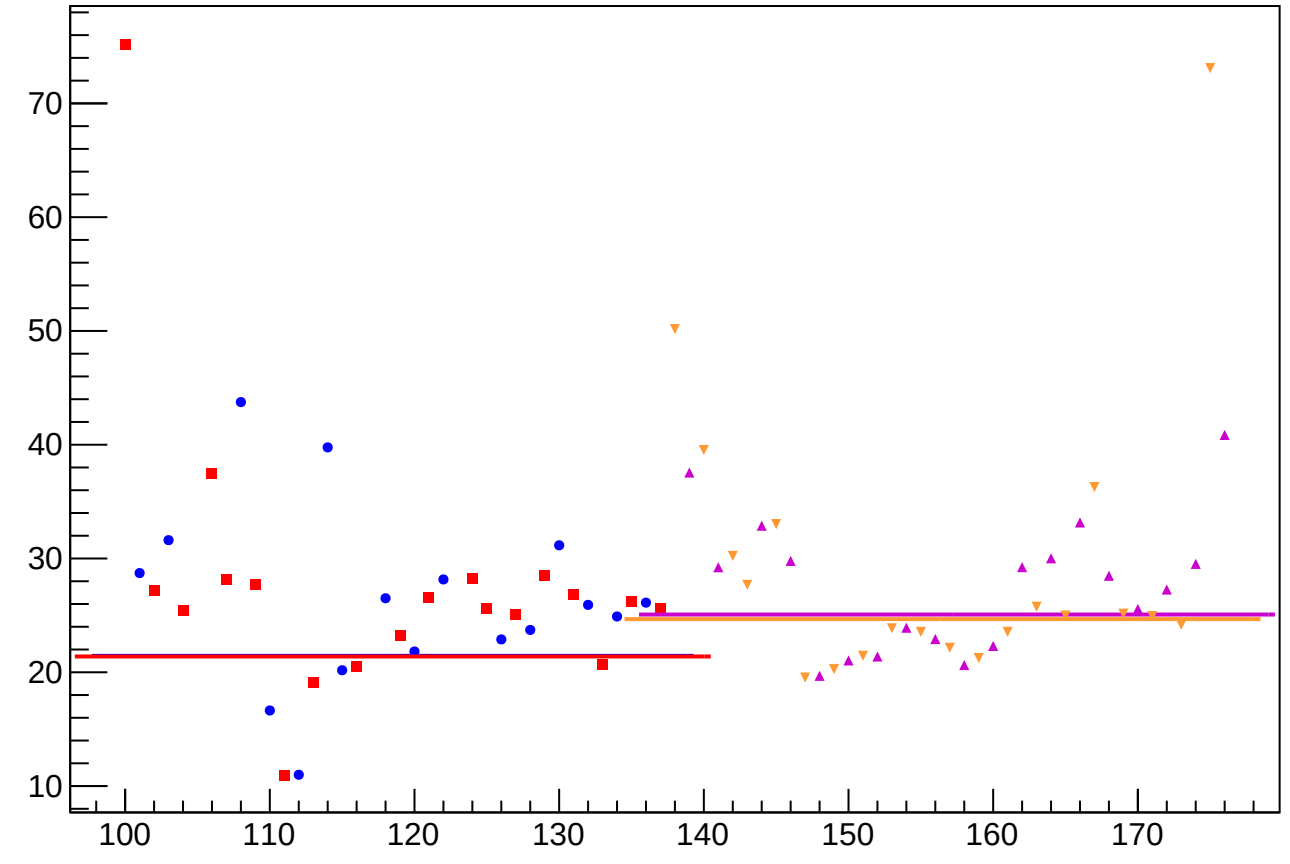
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.005+/-0.007 χ^2/NDF:24.9/18

+ sign 0.003+/-0.005 χ^2/NDF: 42.8/35

All: 0.000+/-0.004 χ^2/NDF: 91.6/73

- sign -0.003+/-0.005 χ^2/NDF: 48.0/37



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.2/19

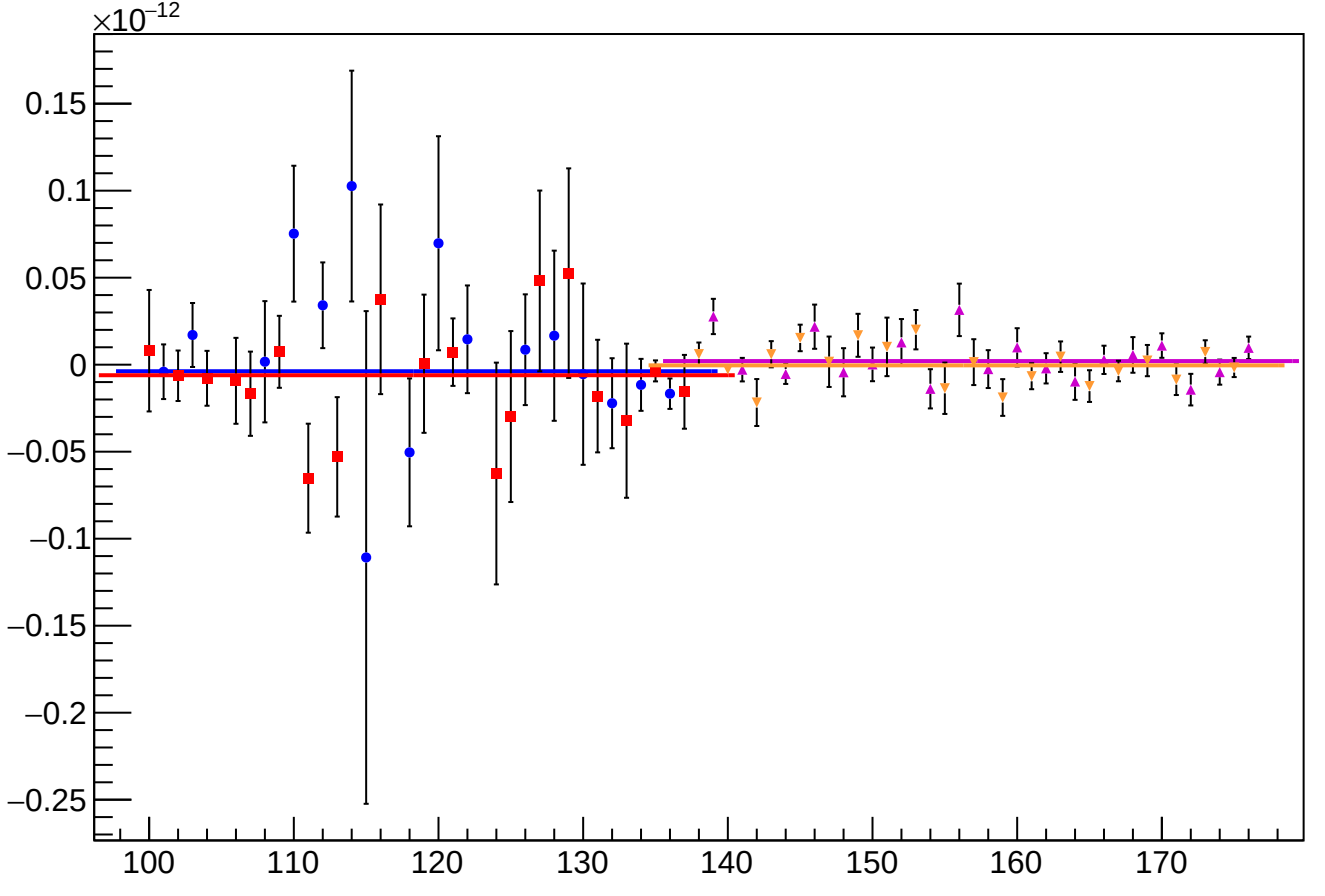
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.074+/-0.005 χ^2/NDF:1026628.6/18

+ sign 23.500+/-0.004 χ^2/NDF: 3513702.4/35

All: 23.581+/-0.003 χ^2/NDF: 6085037.4/73

- sign 23.663+/-0.004 χ^2/NDF: 2570369.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

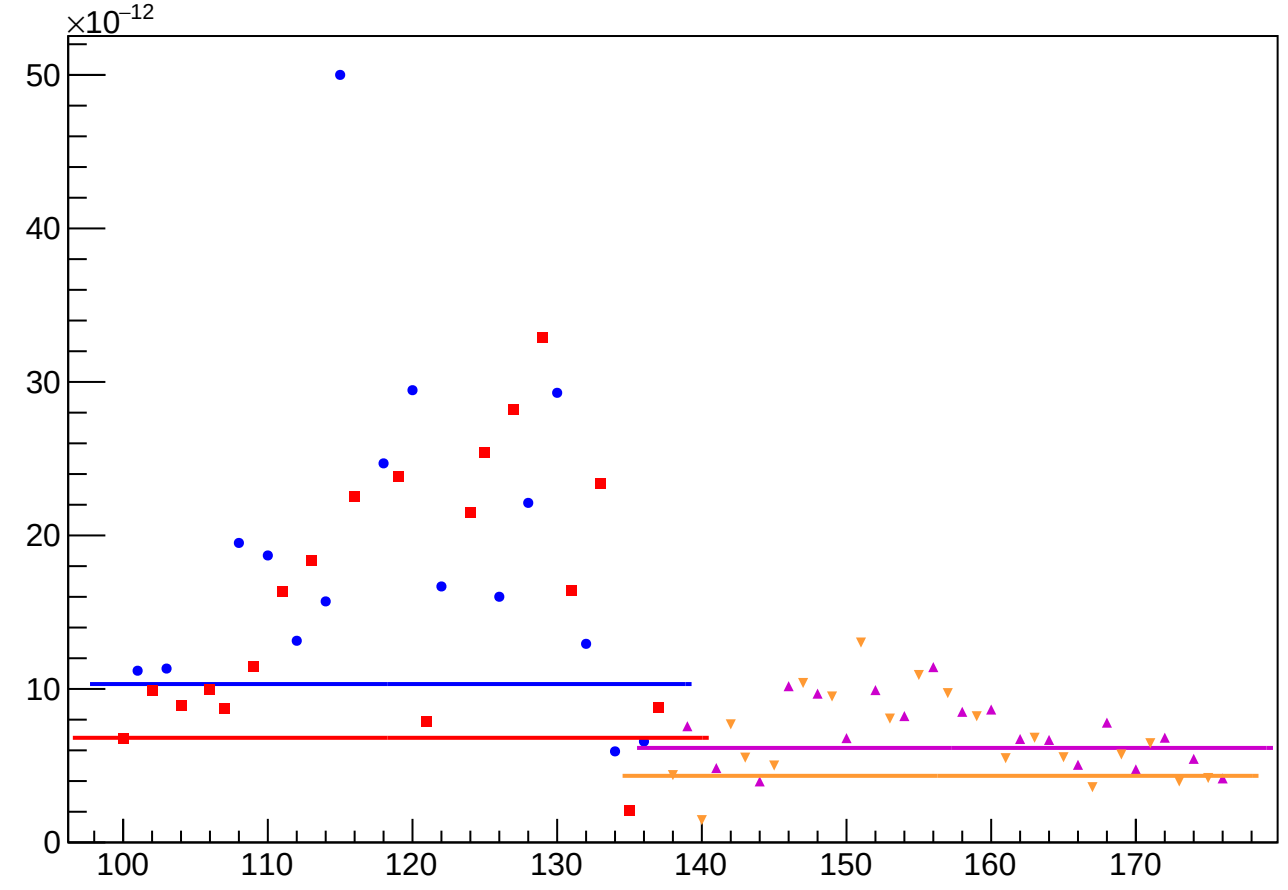
Left In: 0.000+/-0.000 χ^2/NDF:27.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/35

All: -0.000+/-0.000 χ^2/NDF: 83.0/73

- sign 0.000+/-0.000 χ^2/NDF: 41.2/37

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5096758.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

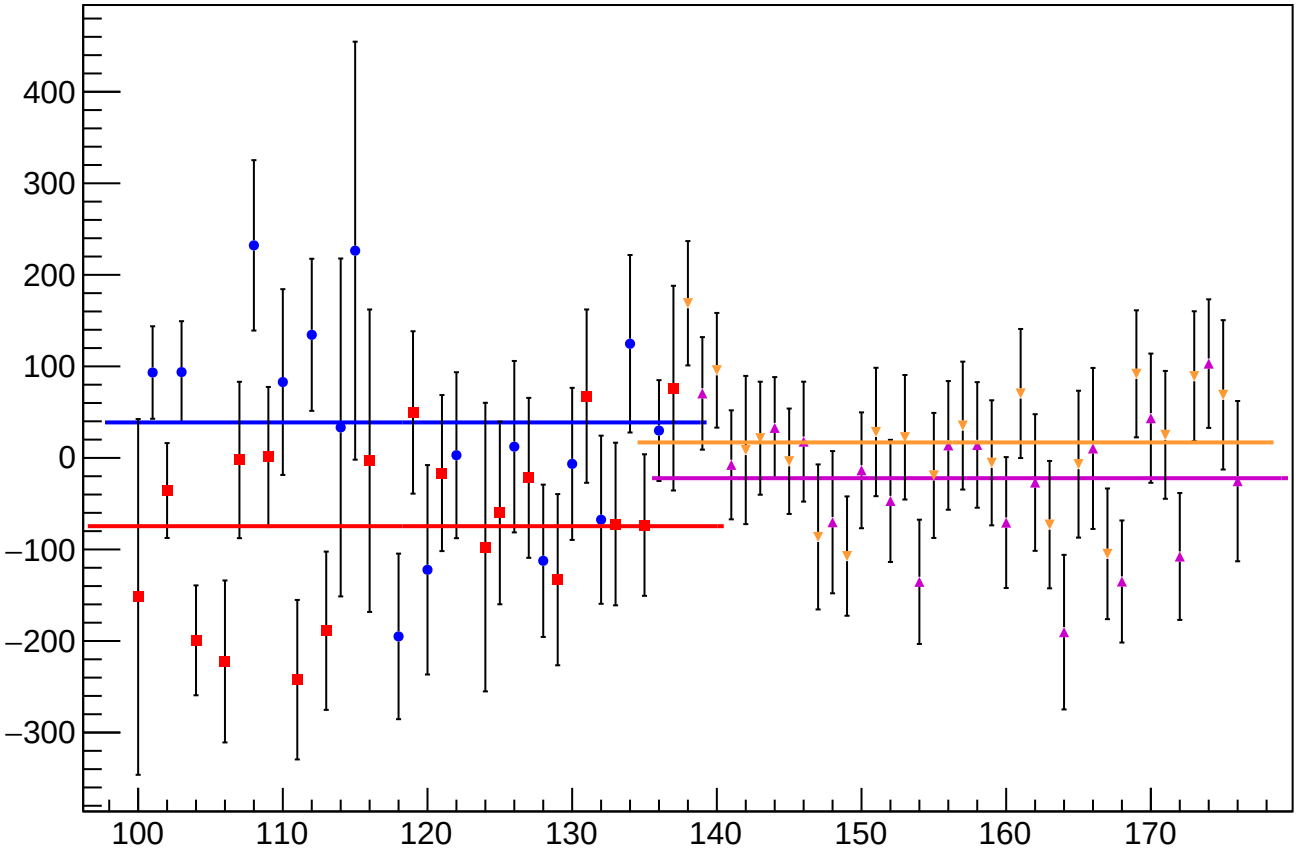
Left In: 0.000+/-0.000 χ^2/NDF:1811027.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 9223522.3/35

All: 0.000+/-0.000 χ^2/NDF: 15820343.1/73

- sign 0.000+/-0.000 χ^2/NDF: 5870735.2/37

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 16.931+/-15.510 χ^2/NDF:20.4/19

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

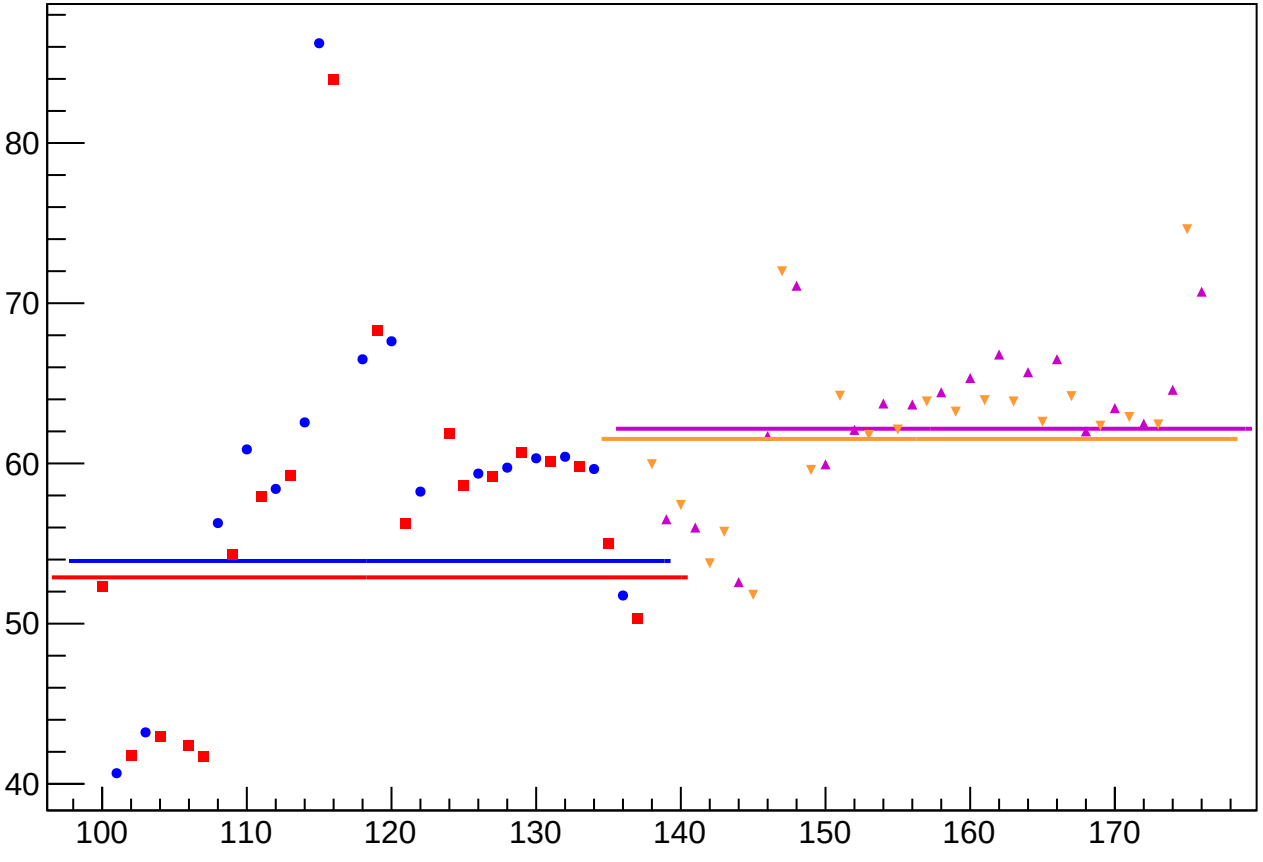
Left In: -22.133+/-15.835 χ^2/NDF:20.5/18

+ sign 24.929+/-12.350 χ^2/NDF: 44.4/35

All: -8.783+/-8.739 χ^2/NDF: 106.6/73

- sign -42.590+/-12.367 χ^2/NDF: 47.3/37

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 61.530+/-0.011 χ^2/NDF:206711.1/19

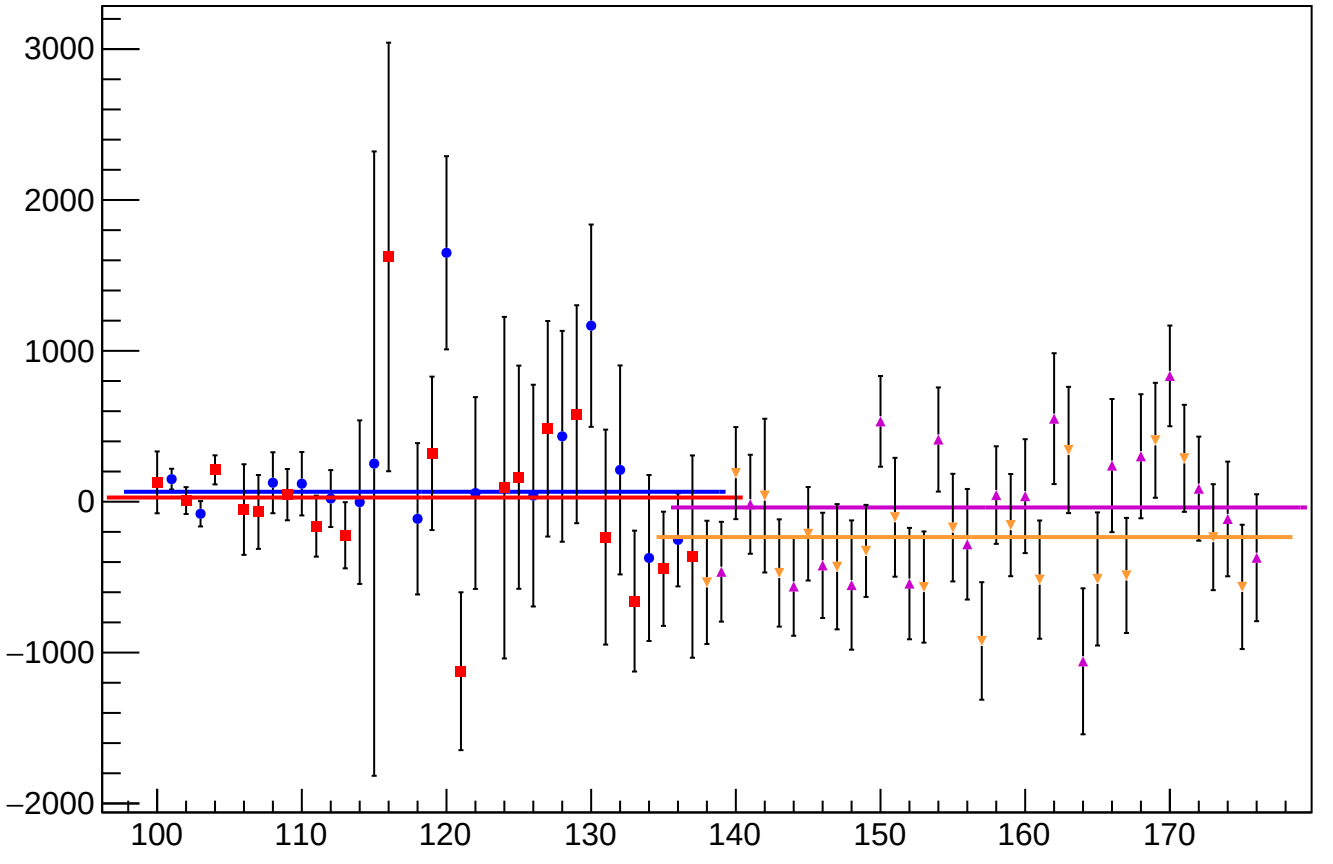
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 62.165+/-0.011 χ^2/NDF:173262.1/18

+ sign 58.741+/-0.009 χ^2/NDF: 776533.8/35

All: 58.644+/-0.006 χ^2/NDF: 1642961.2/73

- sign 58.547+/-0.009 χ^2/NDF: 866179.1/37



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -234.430+/-82.896 χ^2/NDF:16.6/19

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

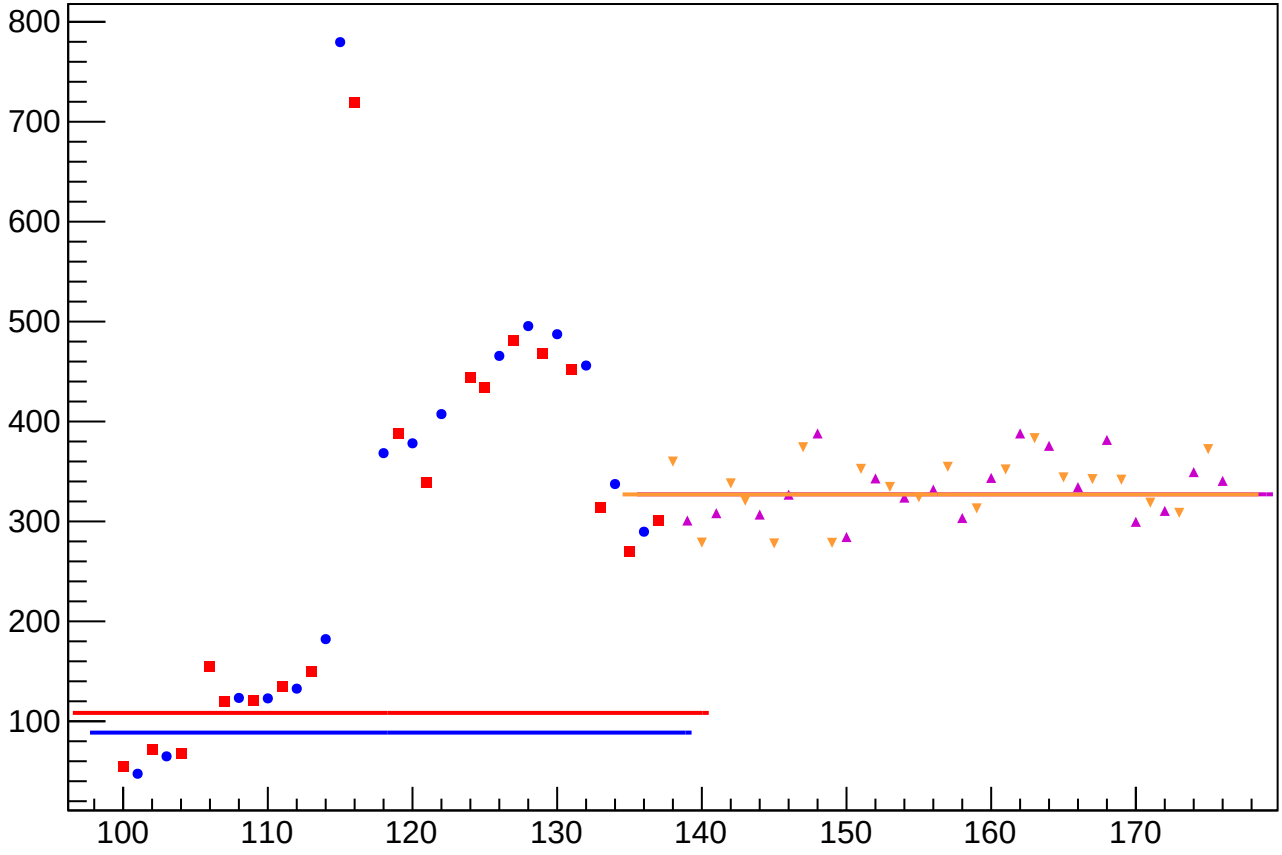
Left In: -38.032+/-83.660 χ^2/NDF:29.6/18

+ sign -5.968+/-40.541 χ^2/NDF: 42.3/35

All: 1.697+/-29.531 χ^2/NDF: 90.4/73

- sign 10.362+/-43.103 χ^2/NDF: 48.0/37

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 327.026+/-0.059 χ^2/NDF:298097.7/19

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

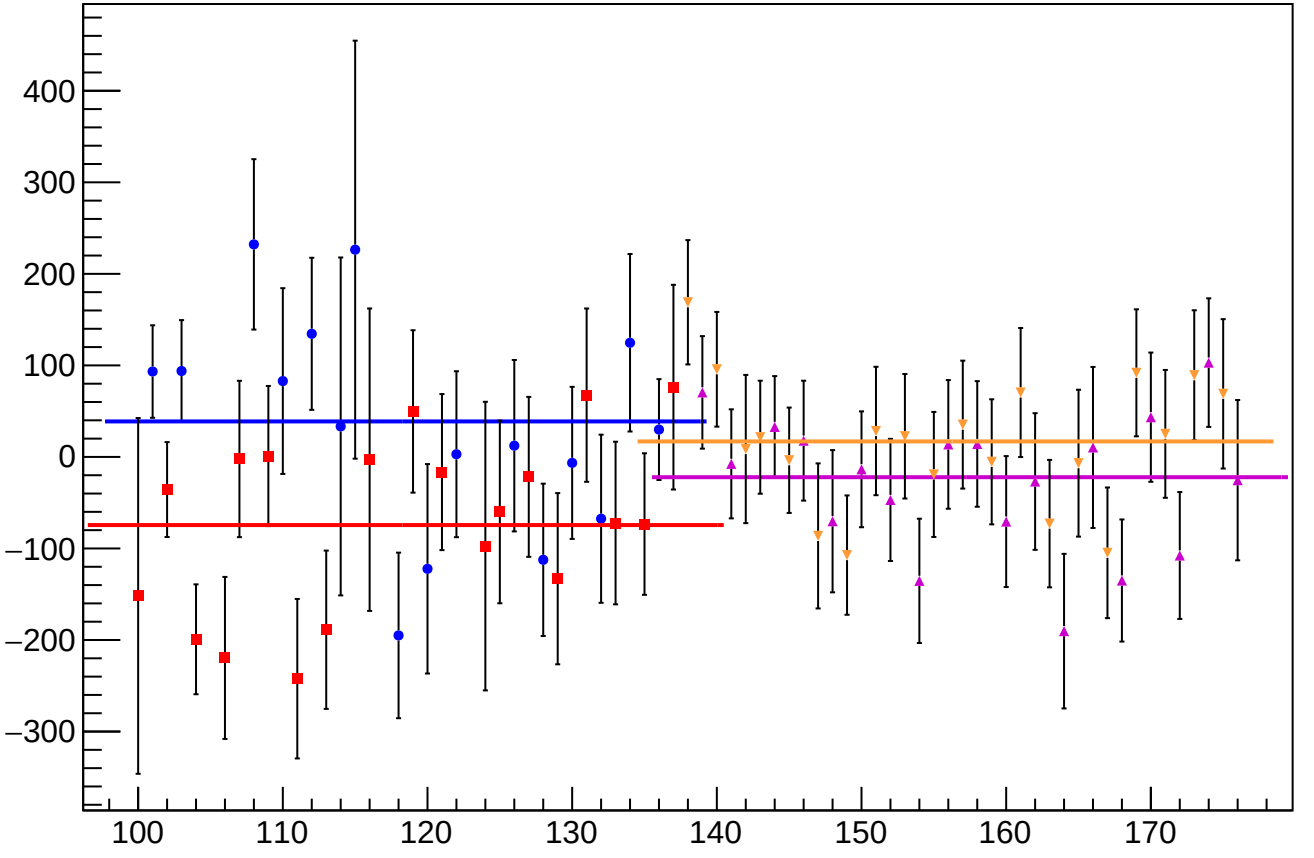
Left In: 327.136+/-0.059 χ^2/NDF:248808.1/18

+ sign 145.670+/-0.029 χ^2/NDF: 19528027.8/35

All: 155.425+/-0.021 χ^2/NDF: 35430670.5/73

- sign 166.452+/-0.030 χ^2/NDF: 15655959.8/37

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 16.932+/-15.510 χ^2/NDF:20.4/19

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

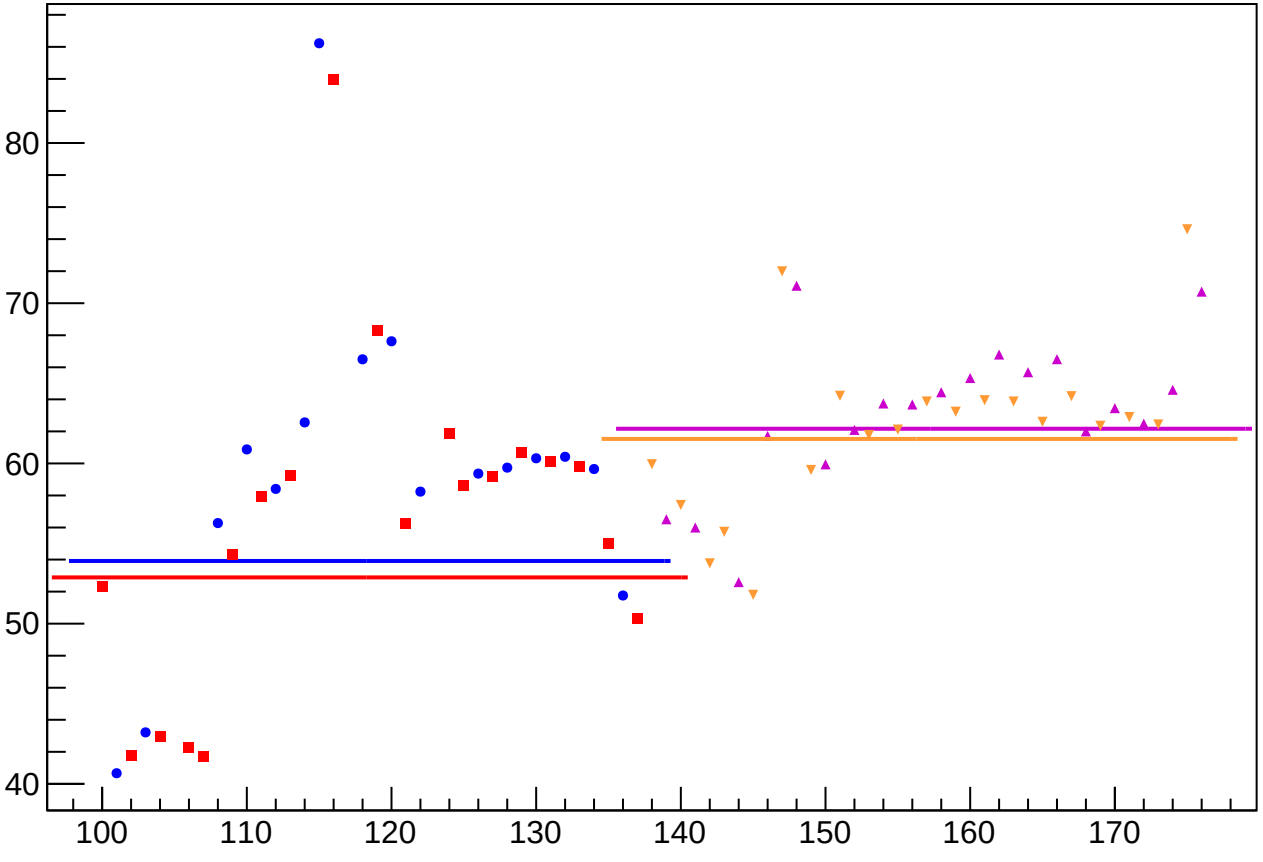
Left In: -22.133+/-15.835 χ^2/NDF:20.5/18

+ sign 24.934+/-12.350 χ^2/NDF: 44.4/35

All: -8.753+/-8.739 χ^2/NDF: 106.5/73

- sign -42.535+/-12.367 χ^2/NDF: 47.1/37

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.530+/-0.011 χ^2/NDF:206711.1/19

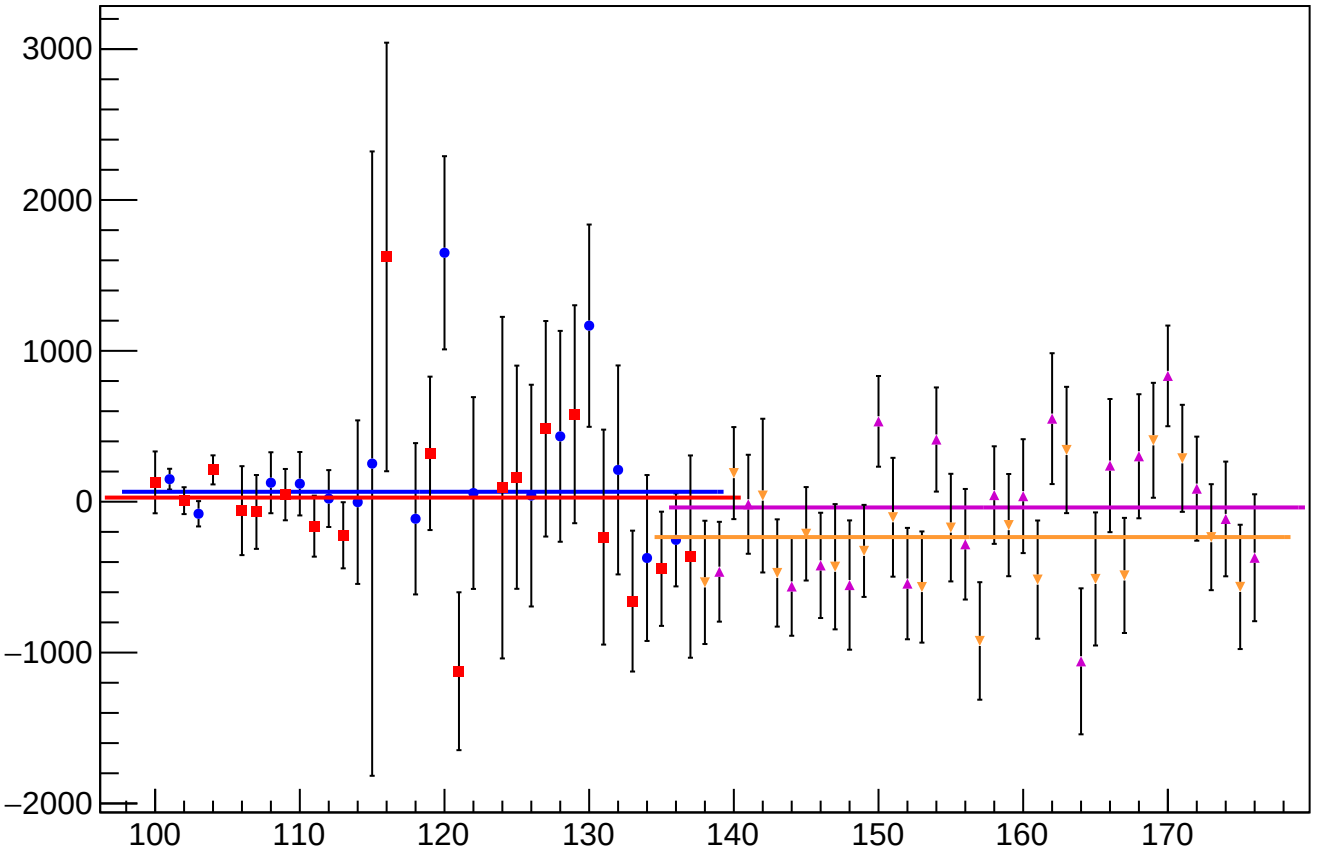
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 62.165+/-0.011 χ^2/NDF:173262.1/18

+ sign 58.741+/-0.009 χ^2/NDF: 776532.9/35

All: 58.644+/-0.006 χ^2/NDF: 1643375.7/73

- sign 58.546+/-0.009 χ^2/NDF: 866593.2/37



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -234.430+/-82.896 χ^2/NDF:16.6/19

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

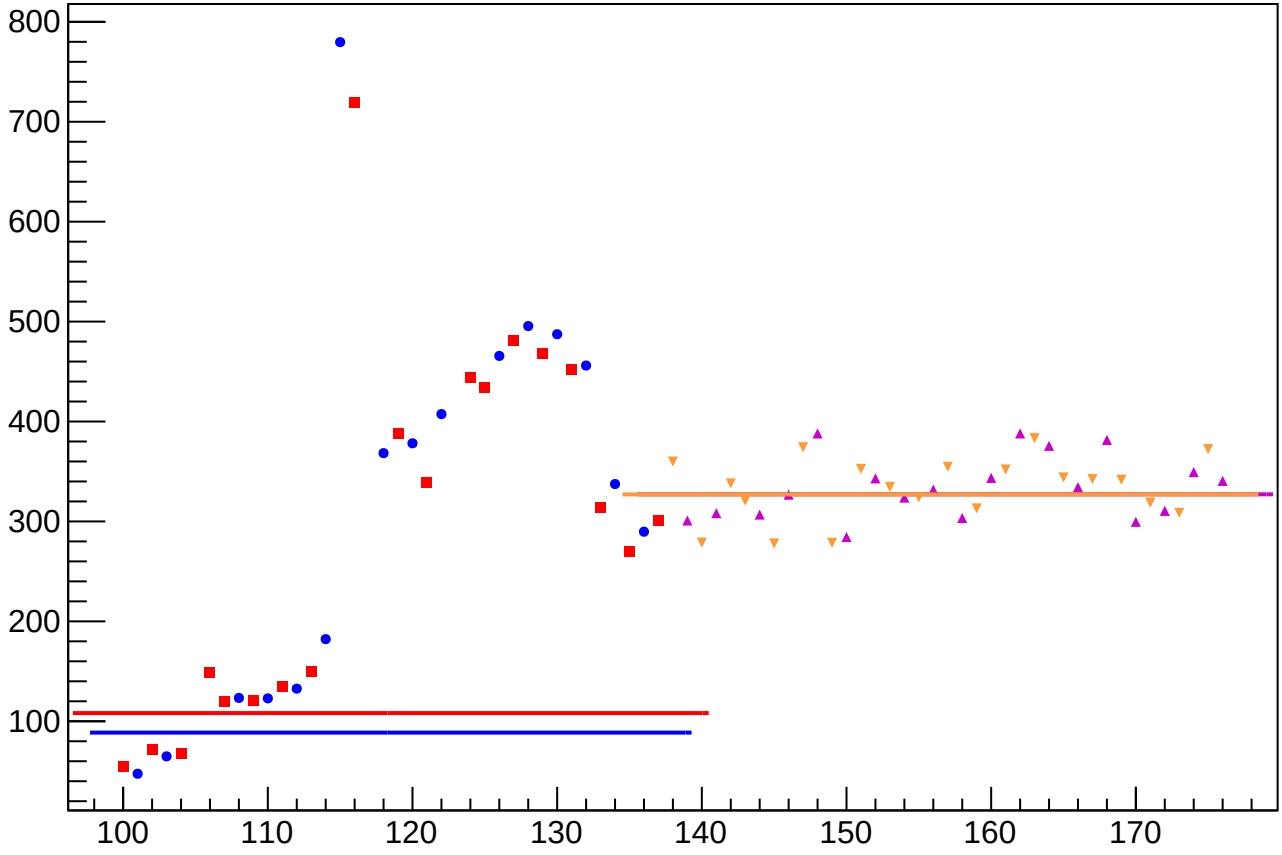
Left In: -38.030+/-83.660 χ^2/NDF:29.6/18

+ sign -5.963+/-40.540 χ^2/NDF: 42.3/35

All: 1.562+/-29.522 χ^2/NDF: 90.4/73

- sign 10.058+/-43.076 χ^2/NDF: 48.1/37

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 327.026+/-0.059 χ^2/NDF:298095.8/19

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

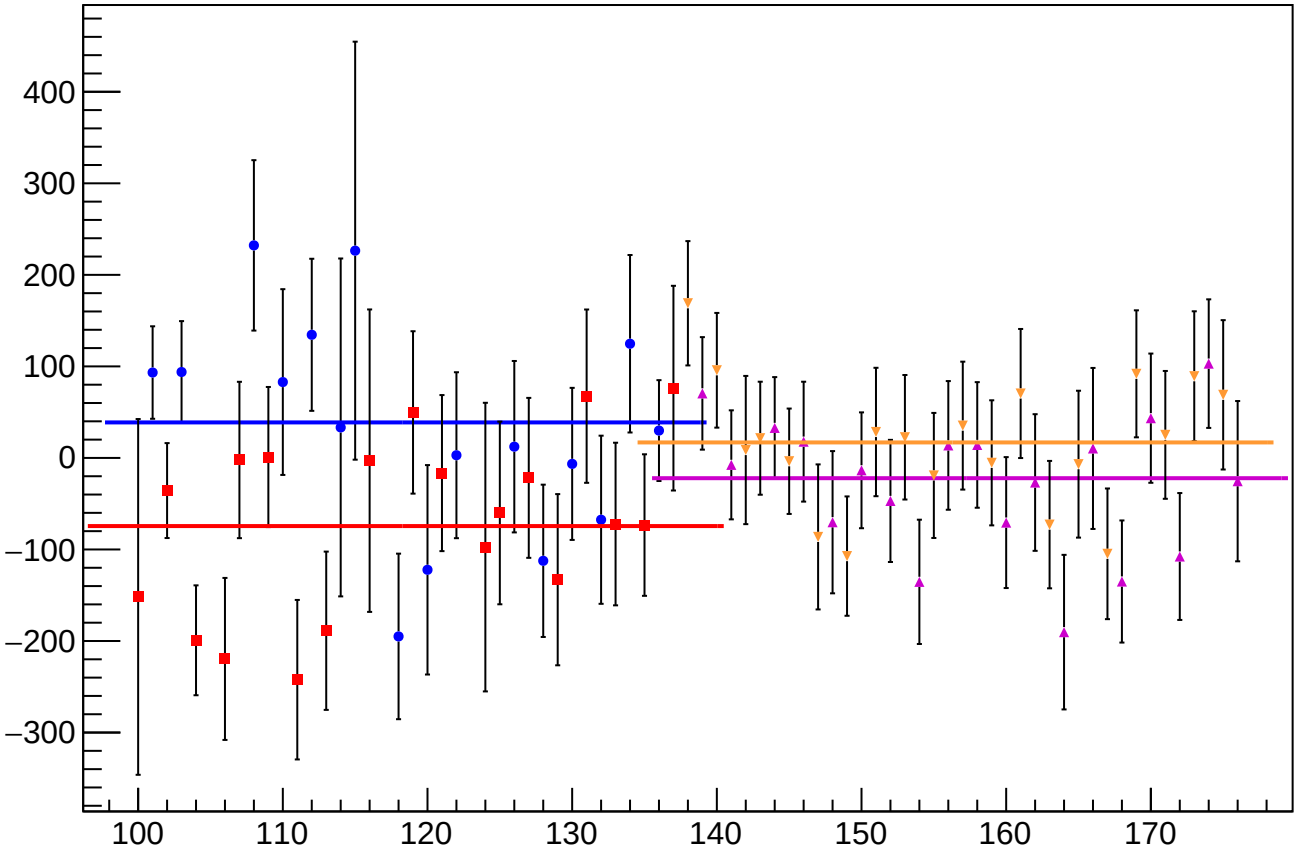
Left In: 327.136+/-0.059 χ^2/NDF:248813.3/18

+ sign 145.666+/-0.029 χ^2/NDF: 19528513.0/35

All: 155.334+/-0.021 χ^2/NDF: 35439561.7/73

- sign 166.248+/-0.030 χ^2/NDF: 15668925.5/37

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 16.932+/-15.510 χ^2/NDF:20.4/19

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

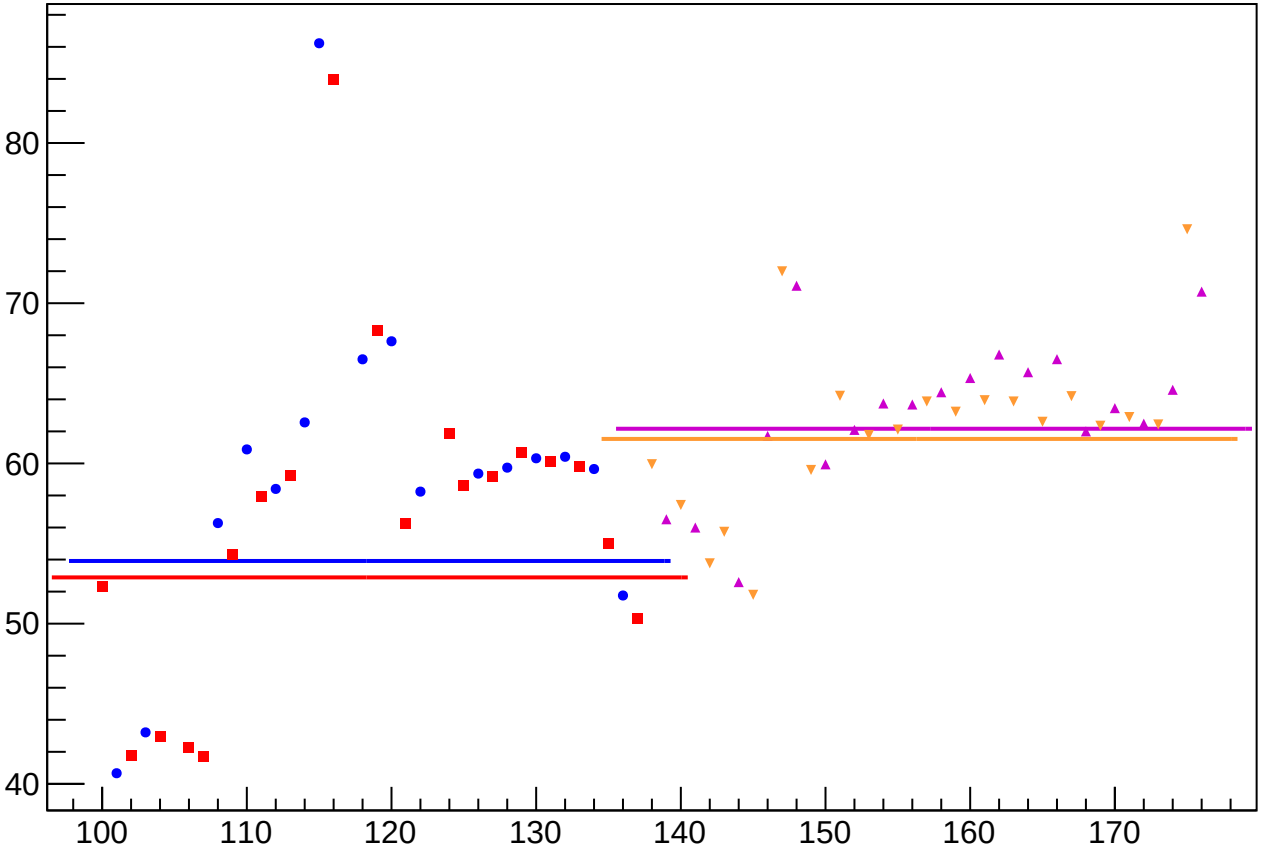
Left In: -22.133+/-15.835 χ^2/NDF:20.5/18

+ sign 24.934+/-12.350 χ^2/NDF: 44.4/35

All: -8.753+/-8.739 χ^2/NDF: 106.5/73

- sign -42.535+/-12.367 χ^2/NDF: 47.1/37

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.530+/-0.011 χ^2/NDF:206711.1/19

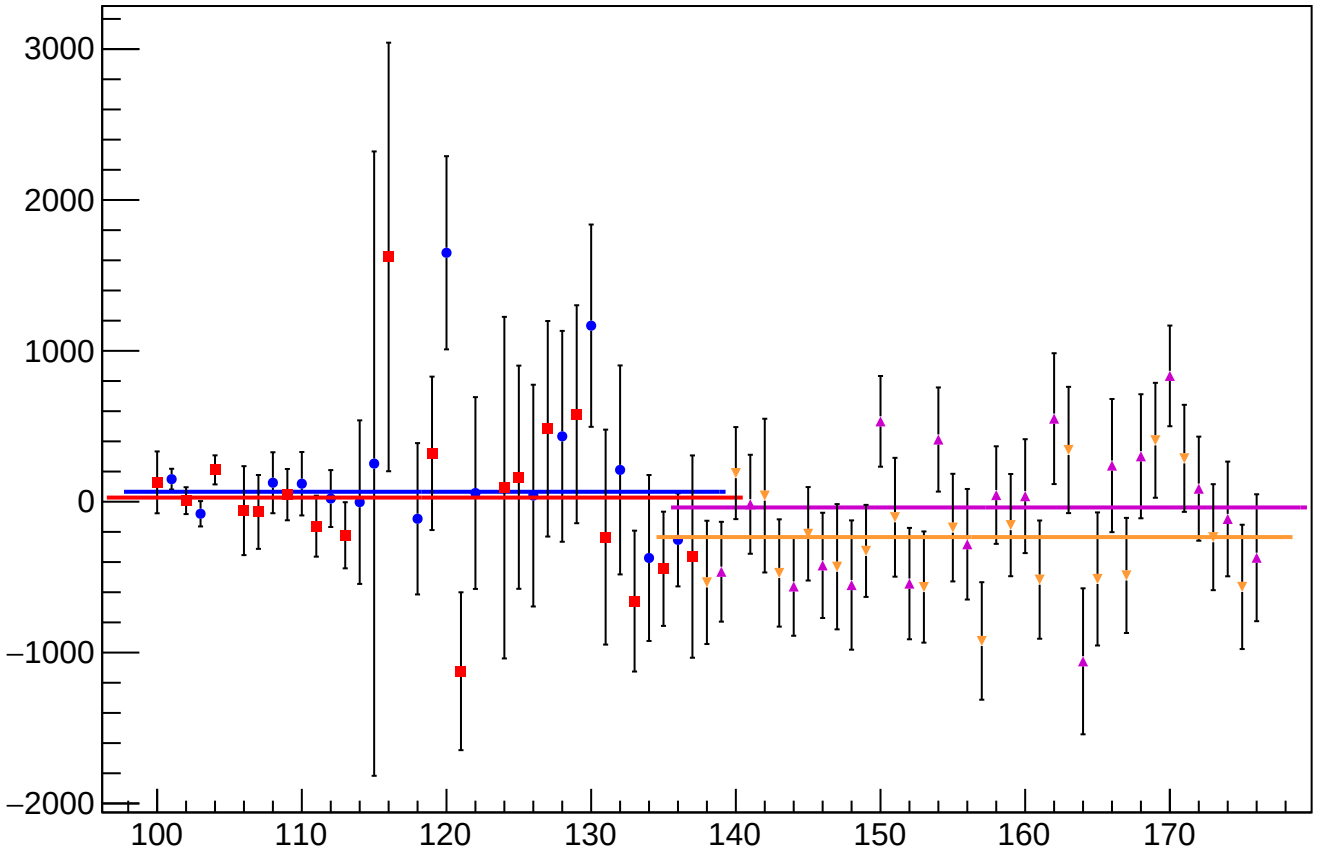
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 62.165+/-0.011 χ^2/NDF:173262.1/18

\+ sign 58.741+/-0.009 χ^2/NDF: 776532.9/35

All: 58.644+/-0.006 χ^2/NDF: 1643375.7/73

\- sign 58.546+/-0.009 χ^2/NDF: 866593.2/37



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -234.430+/-82.896 χ^2/NDF:16.6/19

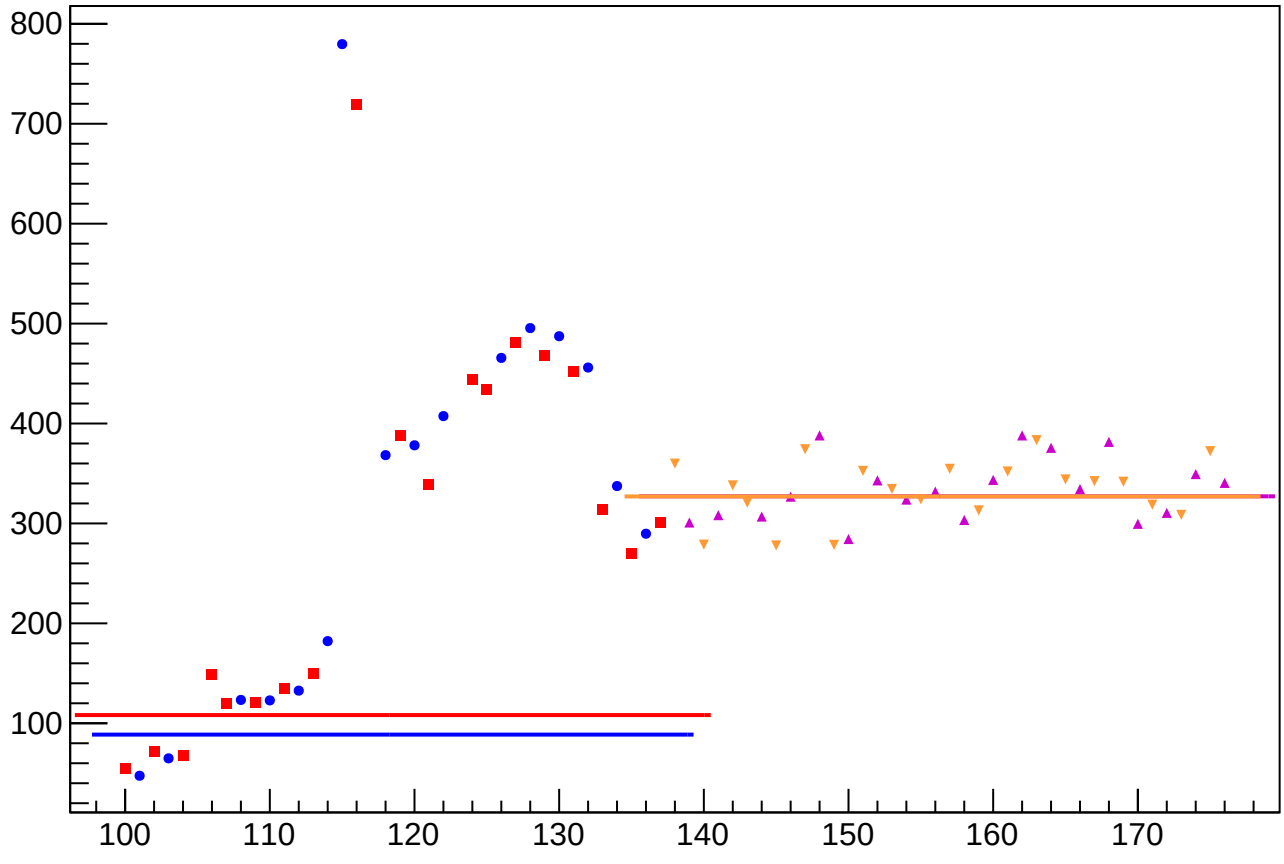
Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: -38.030+/-83.660 χ^2/NDF:29.6/18

+ sign -5.963+/-40.540 χ^2/NDF: 42.3/35

All: 1.562+/-29.522 χ^2/NDF: 90.4/73

- sign 10.058+/-43.076 χ^2/NDF: 48.1/37



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 327.026+/-0.059 χ^2/NDF:298095.8/19

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

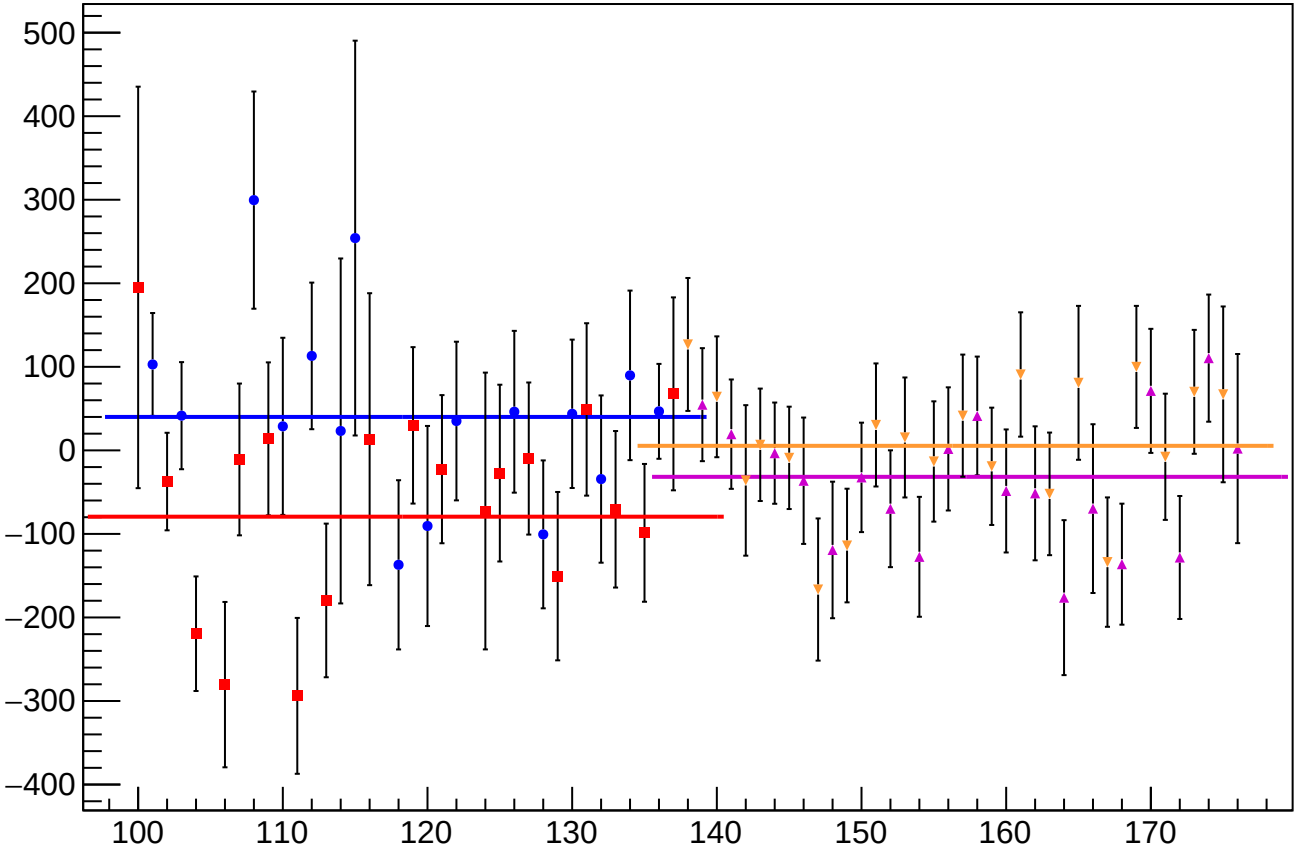
Left In: 327.136+/-0.059 χ^2/NDF:248813.3/18

+ sign 145.666+/-0.029 χ^2/NDF: 19528513.0/35

All: 155.334+/-0.021 χ^2/NDF: 35439561.7/73

- sign 166.248+/-0.030 χ^2/NDF: 15668925.5/37

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 5.443+/-16.759 χ^2/NDF:19.6/19

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

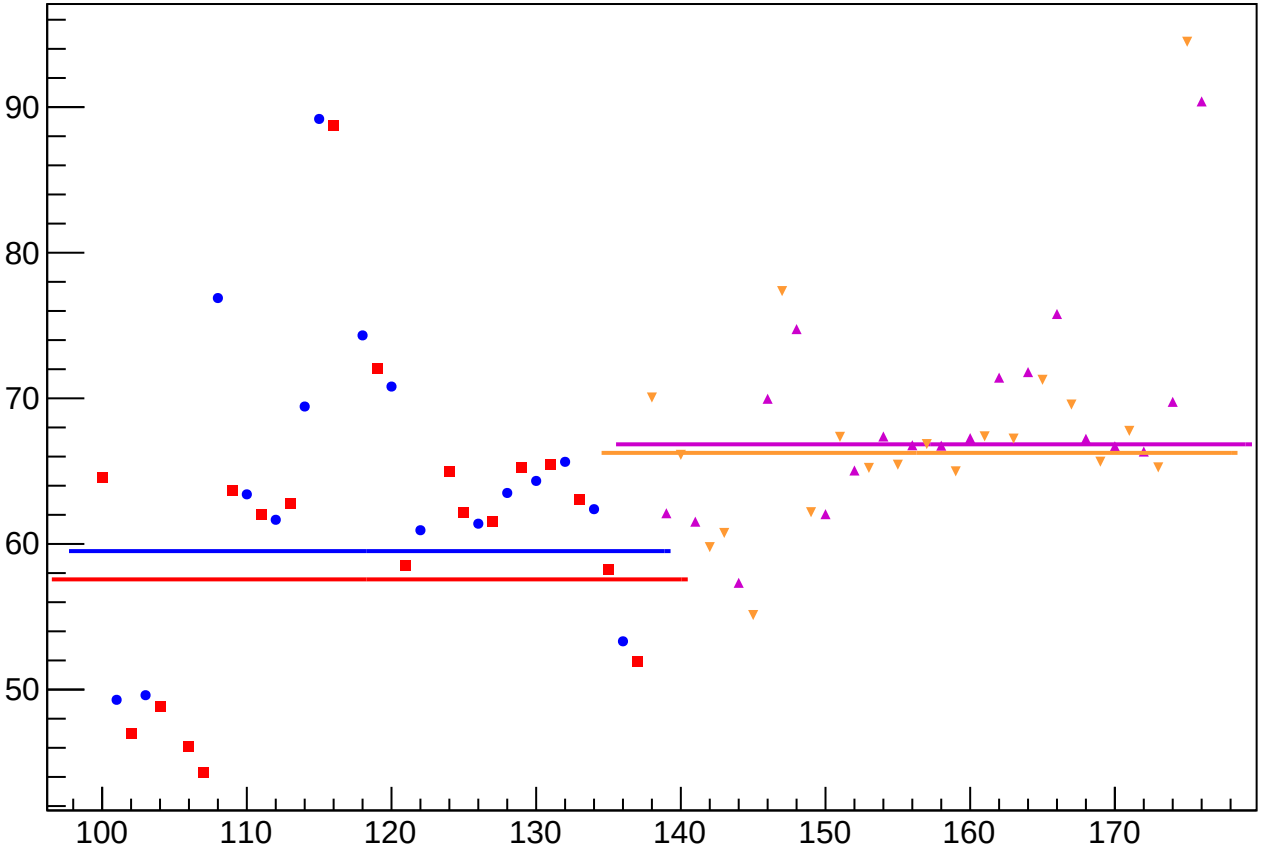
Left In: -31.671+/-17.089 χ^2/NDF:18.9/18

+ sign 17.774+/-13.443 χ^2/NDF: 35.3/35

All: -16.262+/-9.489 χ^2/NDF: 94.8/73

- sign -50.061+/-13.396 χ^2/NDF: 46.8/37

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 66.255+/-0.012 χ^2/NDF:293273.4/19

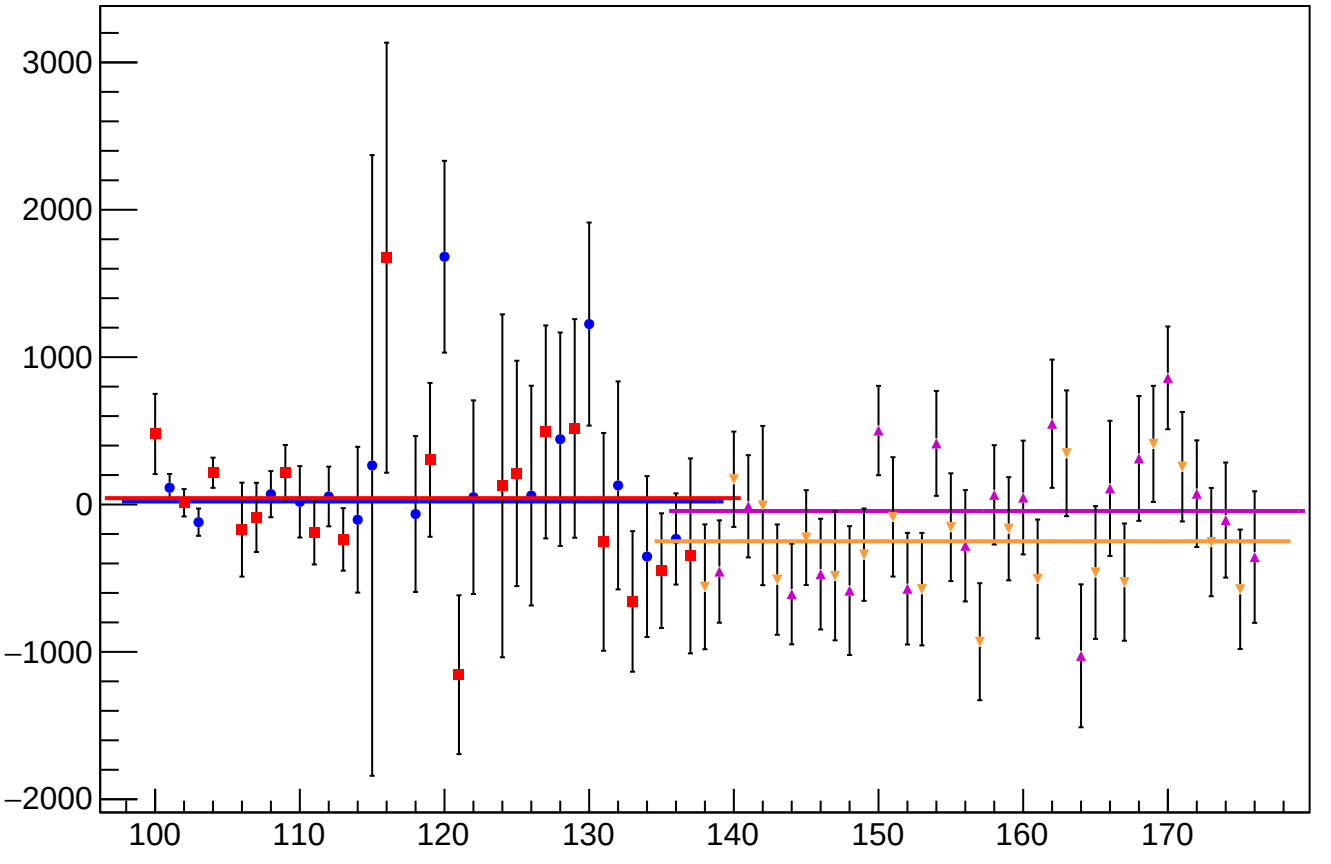
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 66.842+/-0.012 χ^2/NDF:224228.1/18

\+ sign 63.850+/-0.010 χ^2/NDF: 692001.8/35

All: 63.557+/-0.007 χ^2/NDF: 1492609.5/73

\- sign 63.267+/-0.009 χ^2/NDF: 798721.7/37



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -249.158+/-85.816 χ^2/NDF:15.6/19

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

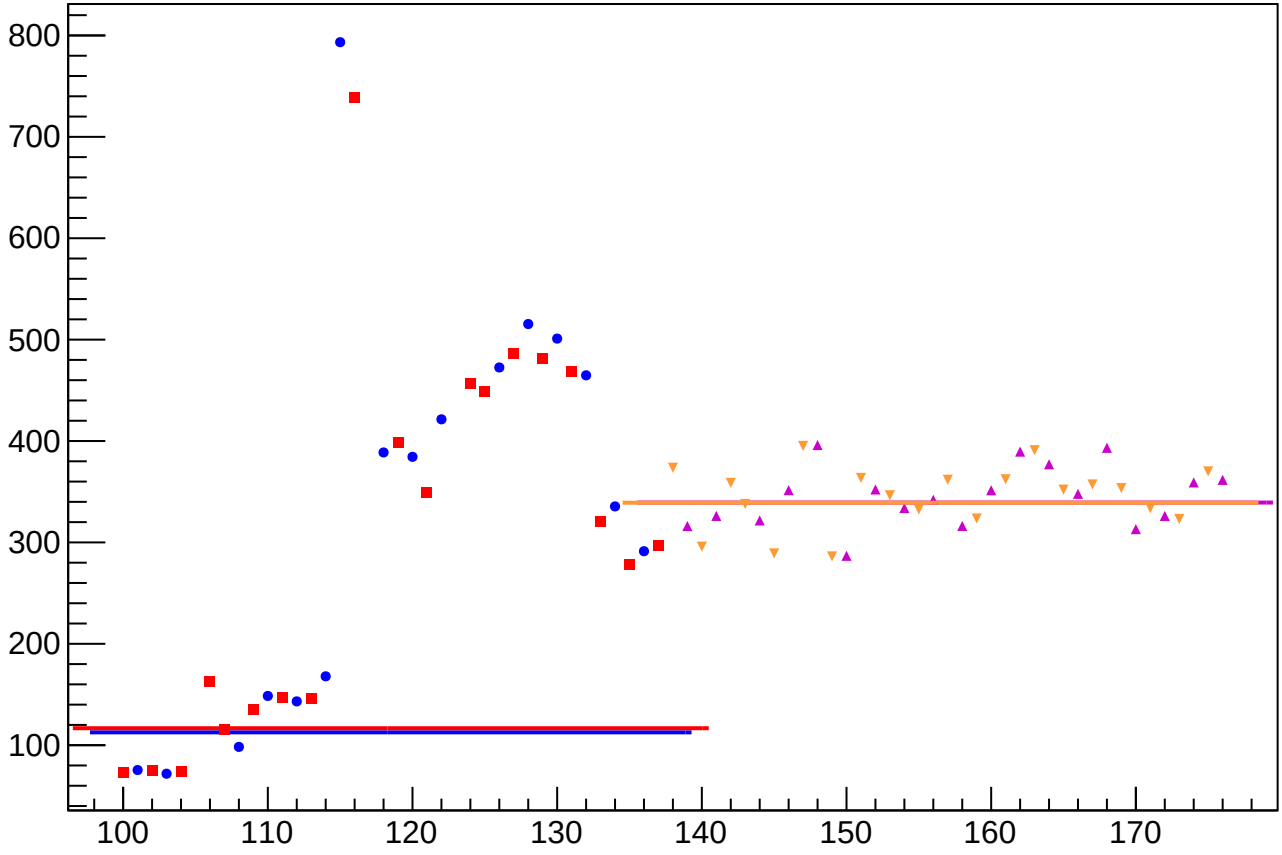
Left In: -43.820+/-86.692 χ^2/NDF:28.5/18

+ sign -54.901+/-45.452 χ^2/NDF: 37.4/35

All: -17.650+/-32.103 χ^2/NDF: 89.4/73

- sign 19.433+/-45.349 χ^2/NDF: 50.7/37

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 339.165+/-0.061 χ^2/NDF:269585.2/19

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

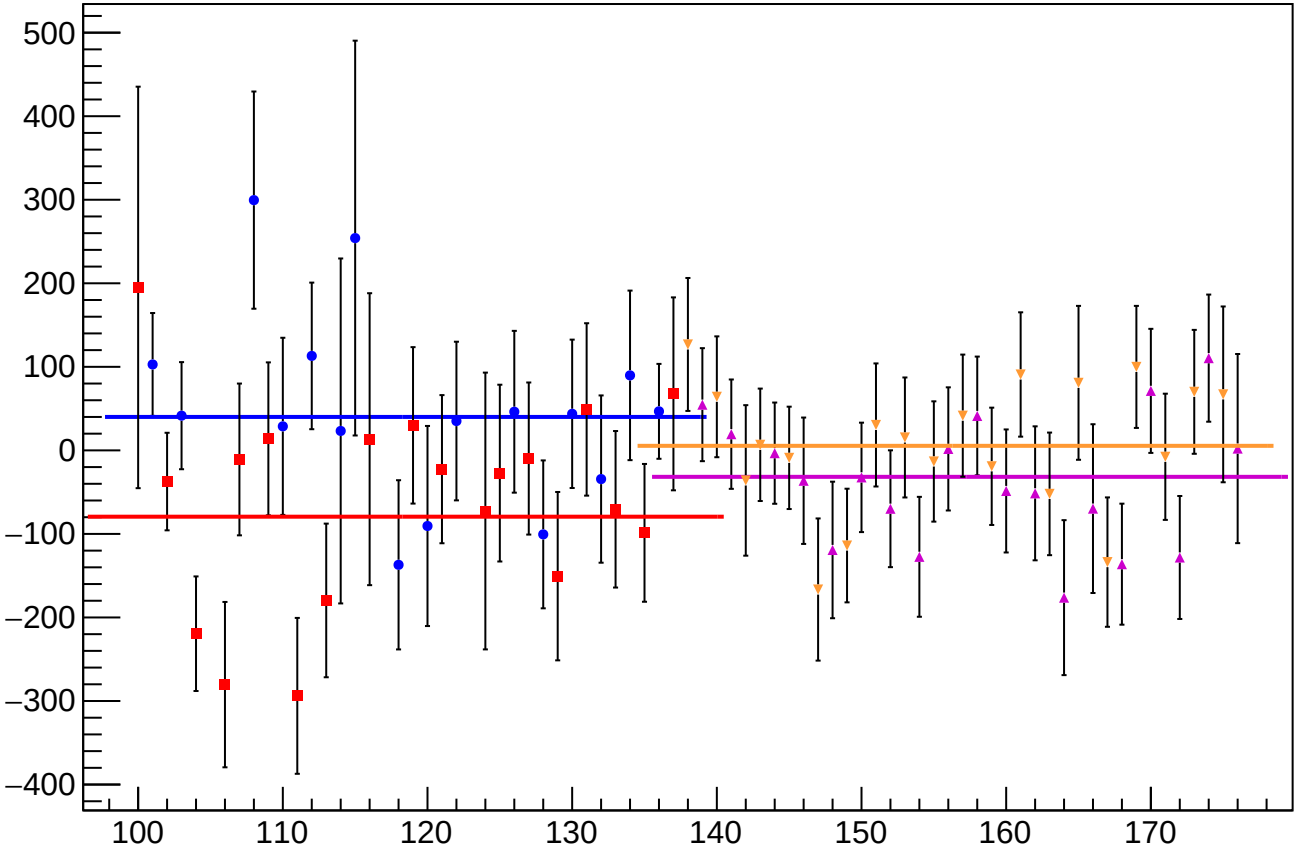
Left In: 339.315+/-0.061 χ^2/NDF:223315.9/18

+ sign 176.206+/-0.032 χ^2/NDF: 15893157.9/35

All: 176.925+/-0.023 χ^2/NDF: 30835258.8/73

- sign 177.640+/-0.032 χ^2/NDF: 14941103.0/37

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 5.443+/-16.759 χ^2/NDF:19.6/19

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

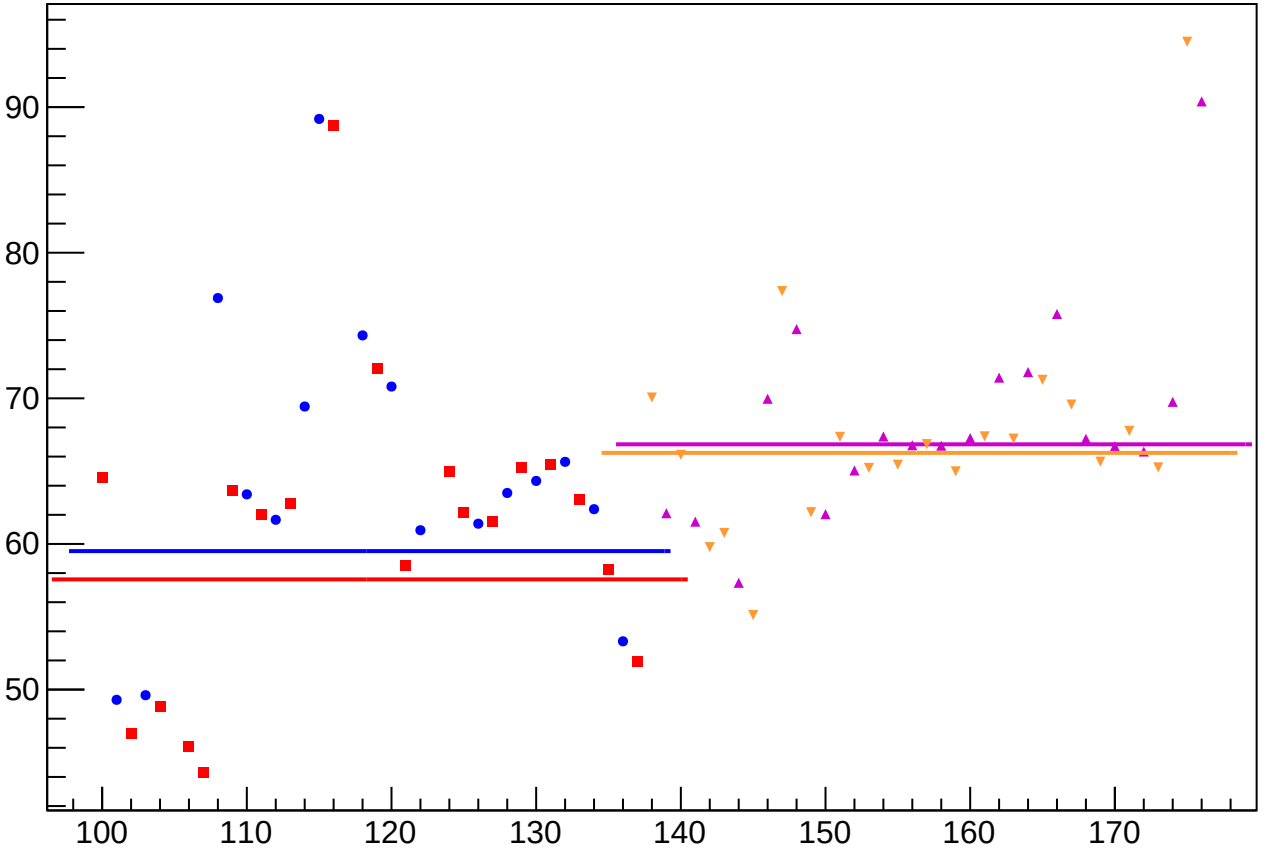
Left In: -31.671+/-17.089 χ^2/NDF:18.9/18

+ sign 17.774+/-13.443 χ^2/NDF: 35.3/35

All: -16.262+/-9.489 χ^2/NDF: 94.8/73

- sign -50.061+/-13.396 χ^2/NDF: 46.8/37

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 66.255+/-0.012 χ^2/NDF:293273.8/19

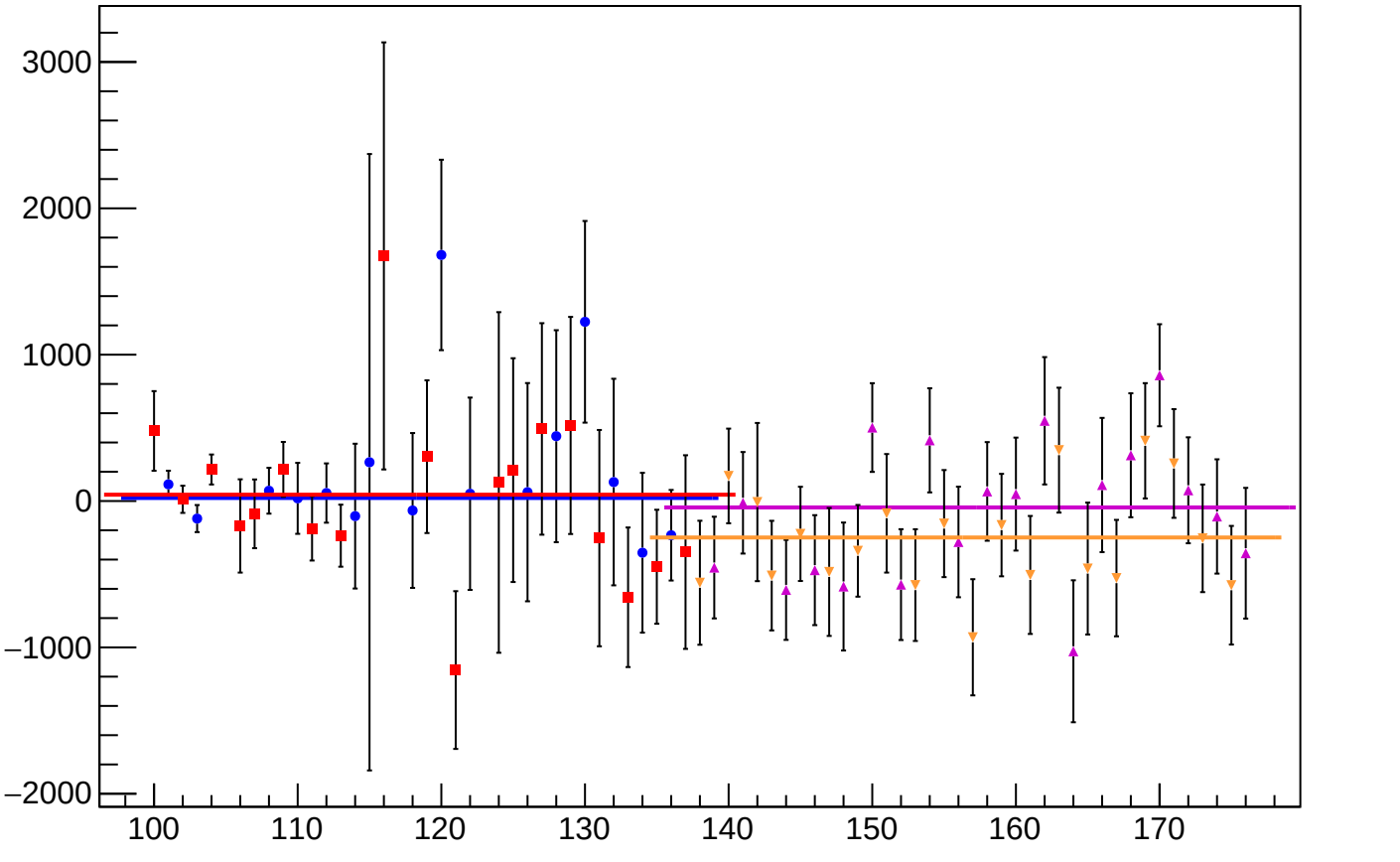
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 66.842+/-0.012 χ^2/NDF:224218.2/18

+ sign 63.850+/-0.010 χ^2/NDF: 692007.0/35

All: 63.557+/-0.007 χ^2/NDF: 1492612.2/73

- sign 63.267+/-0.009 χ^2/NDF: 798719.4/37



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -249.157+/-85.816 χ^2/NDF:15.6/19

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

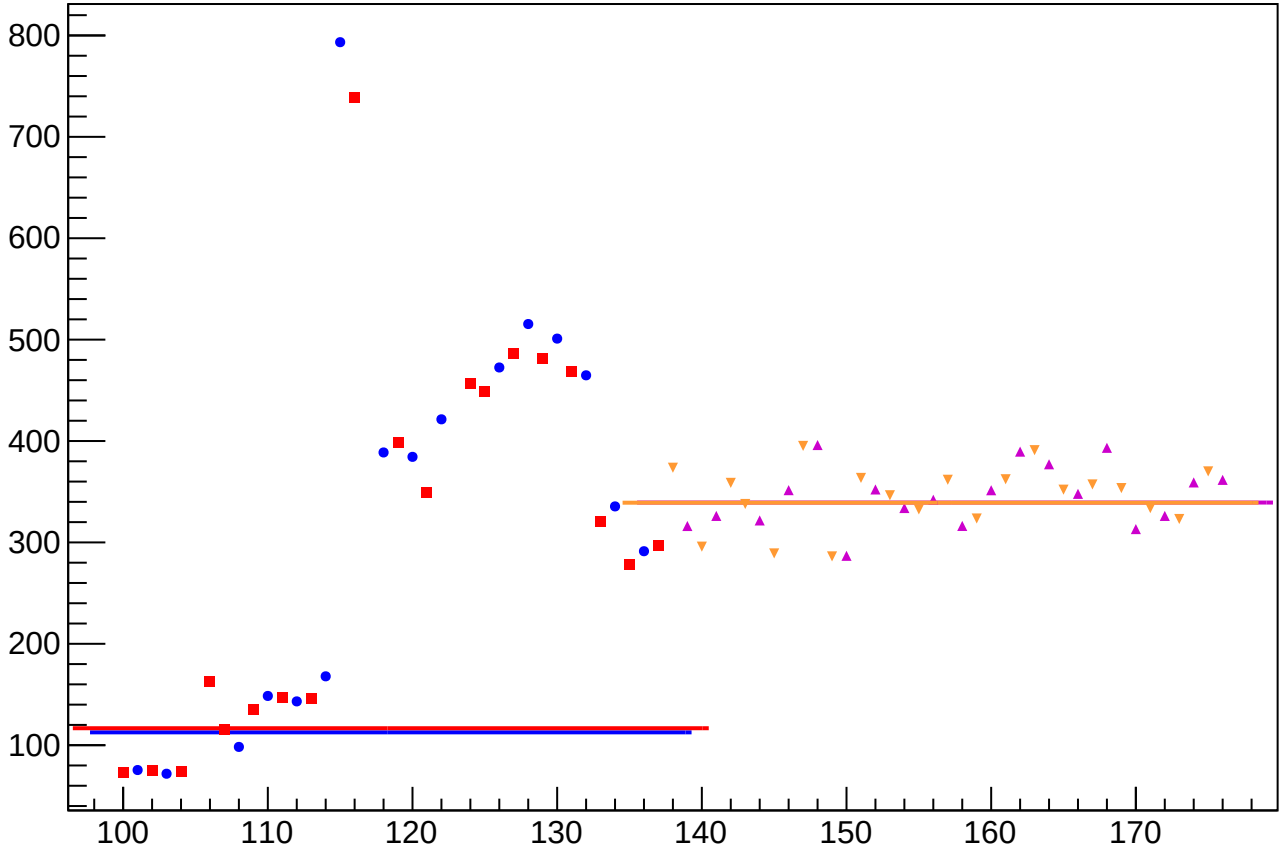
Left In: -43.820+/-86.692 χ^2/NDF:28.5/18

\+ sign -54.901+/-45.452 χ^2/NDF: 37.4/35

All: -17.650+/-32.103 χ^2/NDF: 89.4/73

\- sign 19.433+/-45.349 χ^2/NDF: 50.7/37

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 339.166+/-0.061 χ^2/NDF:269581.6/19

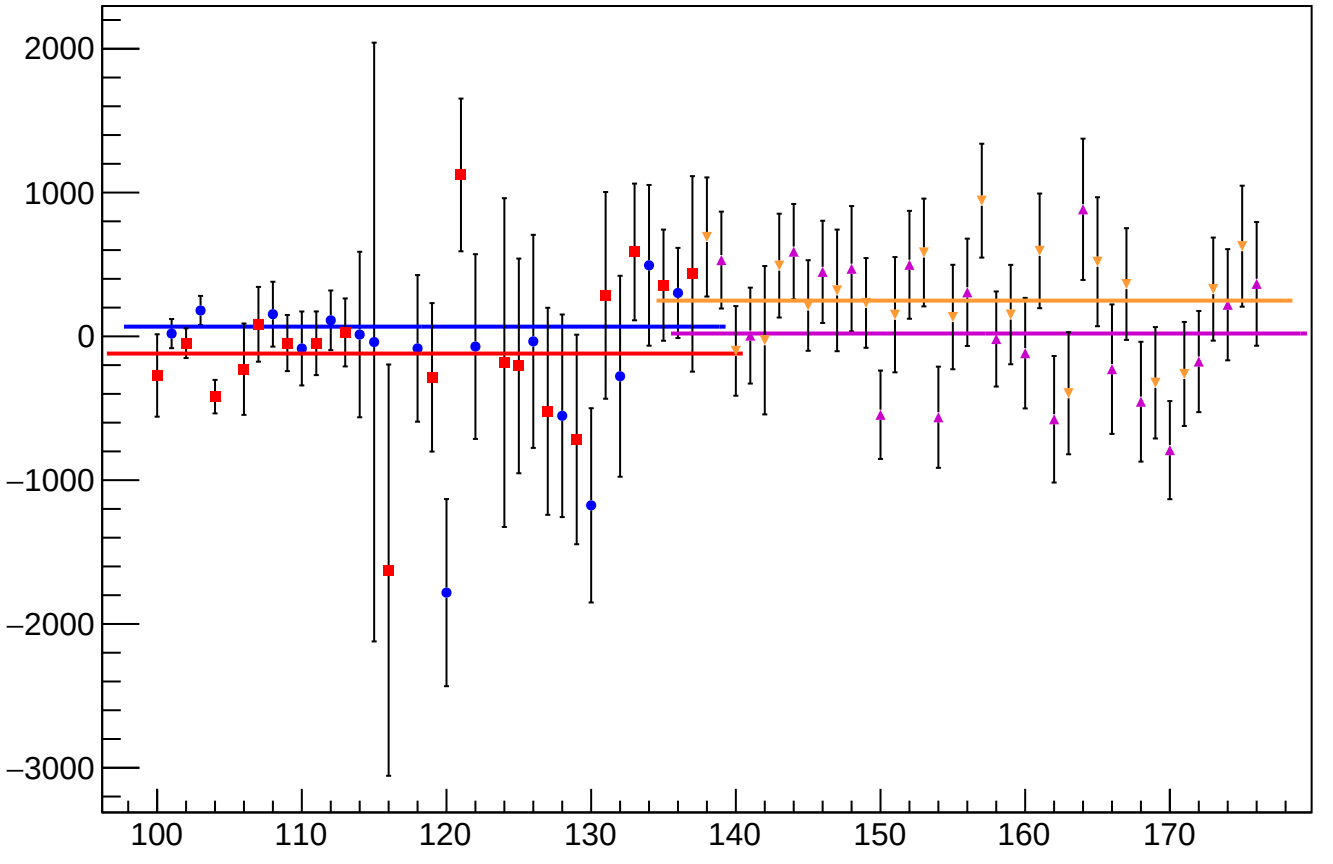
Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 339.316+/-0.061 χ^2/NDF:223309.7/18

+ sign 176.206+/-0.032 χ^2/NDF: 15893215.0/35

All: 176.925+/-0.023 χ^2/NDF: 30835386.0/73

- sign 177.640+/-0.032 χ^2/NDF: 14941173.3/37



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 248.566+/-84.404 χ^2/NDF:15.8/19

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

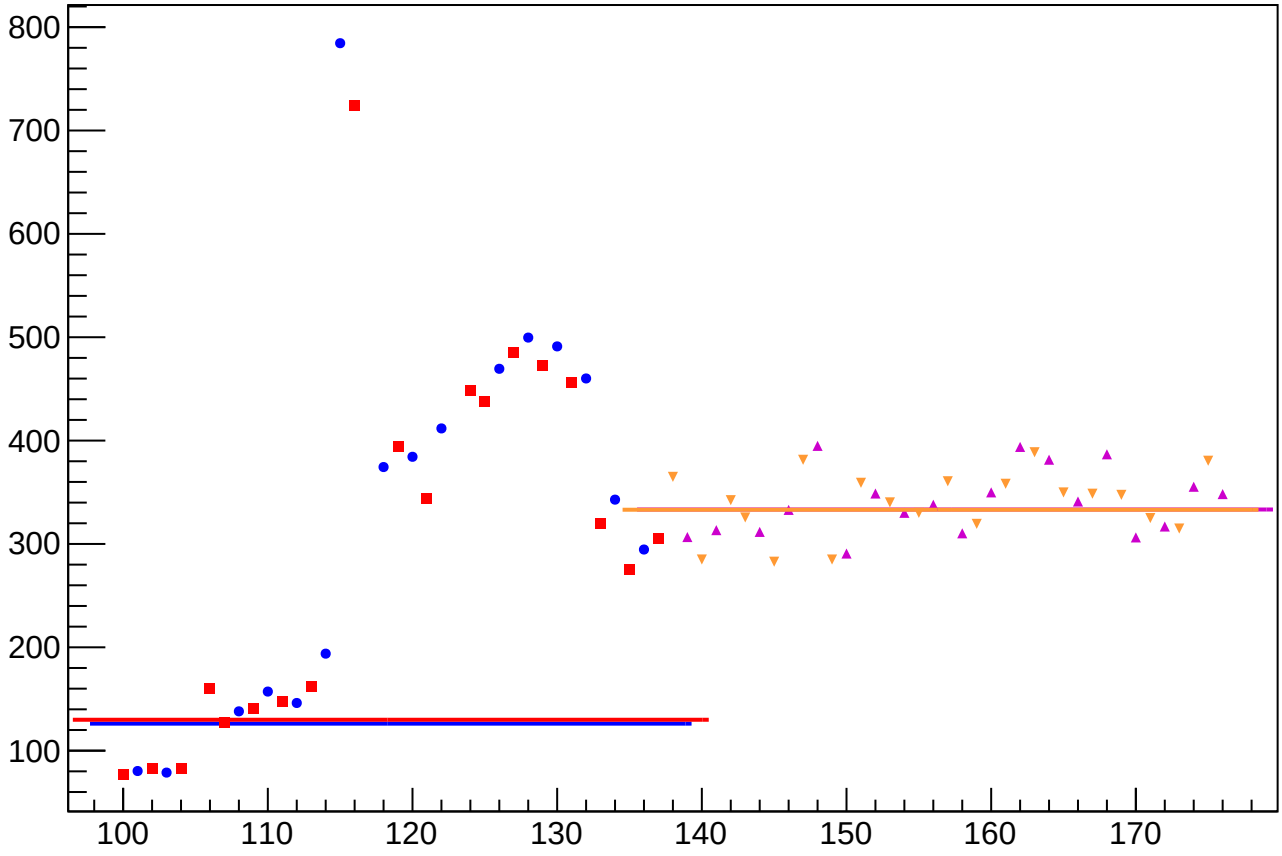
Left In: 19.868+/-85.214 χ^2/NDF:29.6/18

+ sign 127.243+/-48.450 χ^2/NDF: 34.7/35

All: 24.729+/-34.068 χ^2/NDF: 96.2/73

- sign -75.530+/-47.914 χ^2/NDF: 52.6/37

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 333.109+/-0.060 χ^2/NDF:290419.6/19

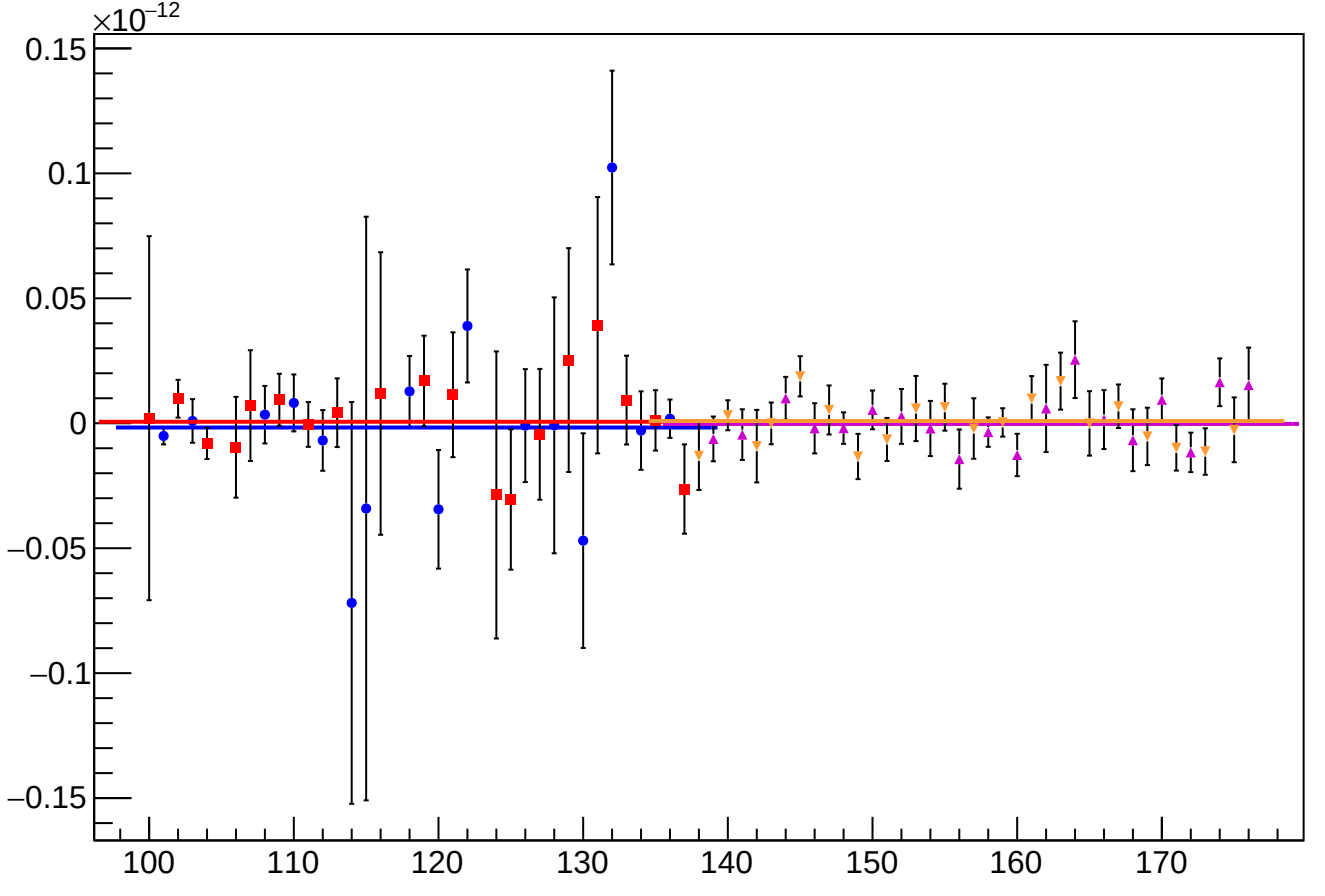
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 333.326+/-0.060 χ^2/NDF:240219.8/18

+ sign 194.346+/-0.034 χ^2/NDF: 13572700.0/35

All: 194.285+/-0.024 χ^2/NDF: 26253714.5/73

- sign 194.225+/-0.034 χ^2/NDF: 12681008.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.5/19

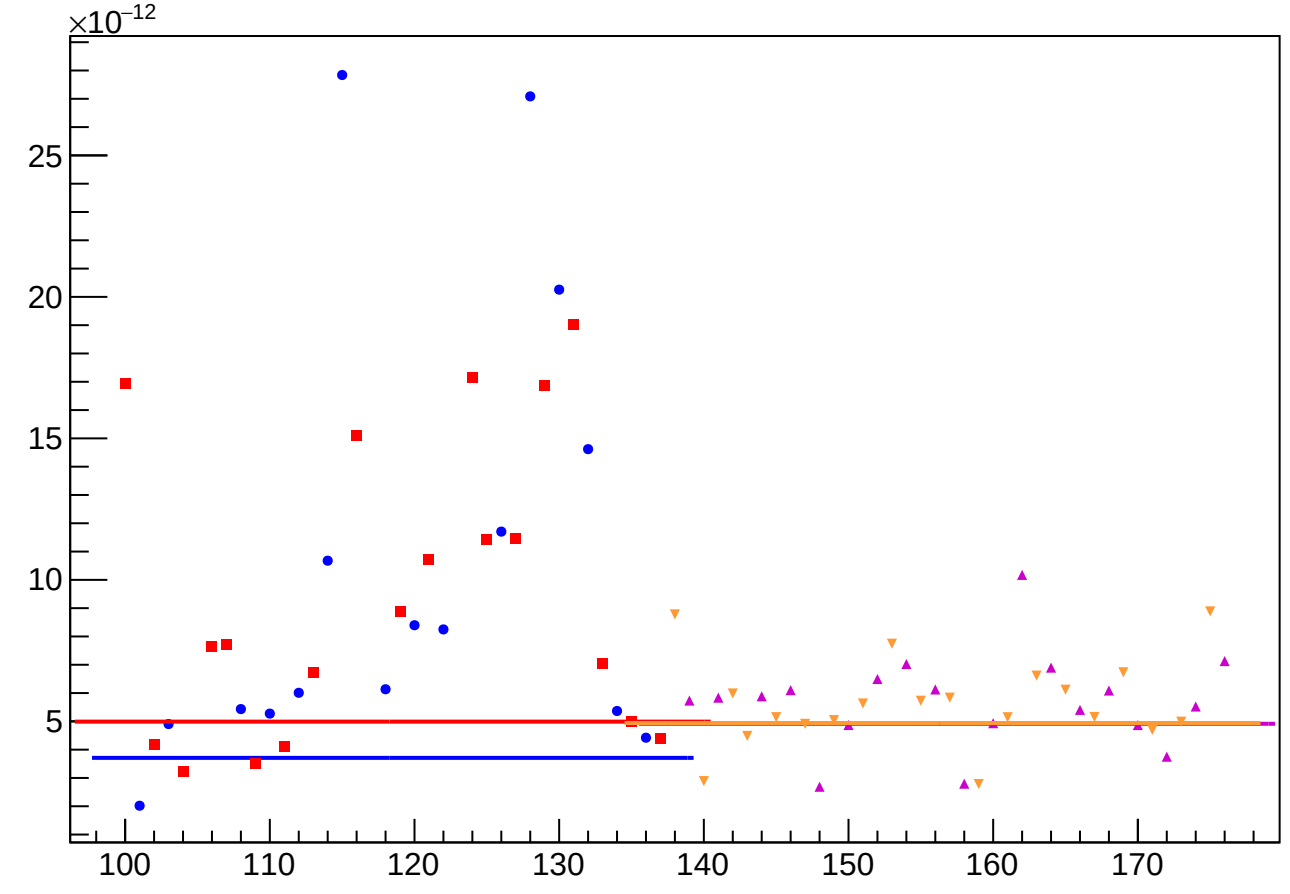
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:17.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/35

All: -0.000+/-0.000 χ^2/NDF: 63.8/73

- sign -0.000+/-0.000 χ^2/NDF: 27.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1126322.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

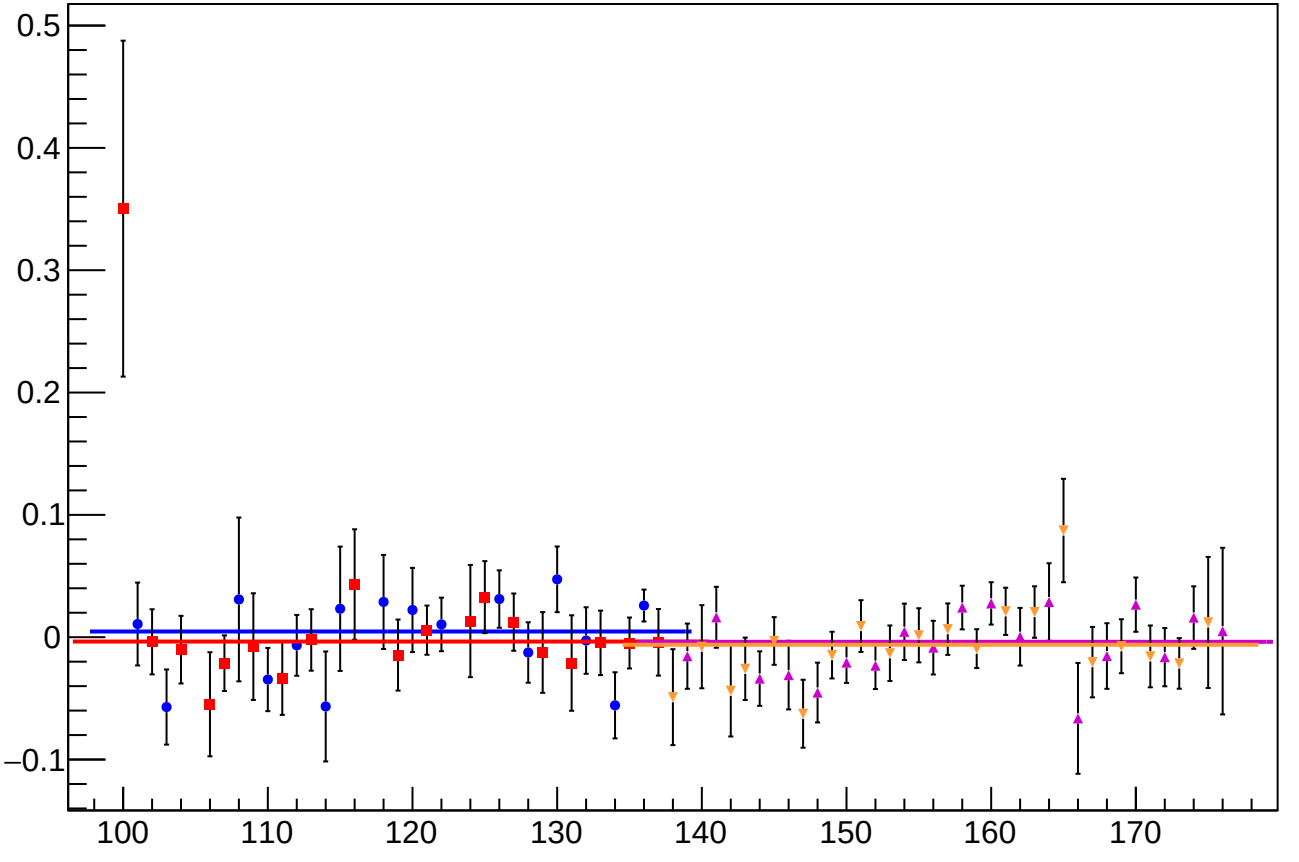
Left In: 0.000+/-0.000 χ^2/NDF:1062341.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 3583327.6/35

All: 0.000+/-0.000 χ^2/NDF: 6025358.2/73

- sign 0.000+/-0.000 χ^2/NDF: 2358493.4/37

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

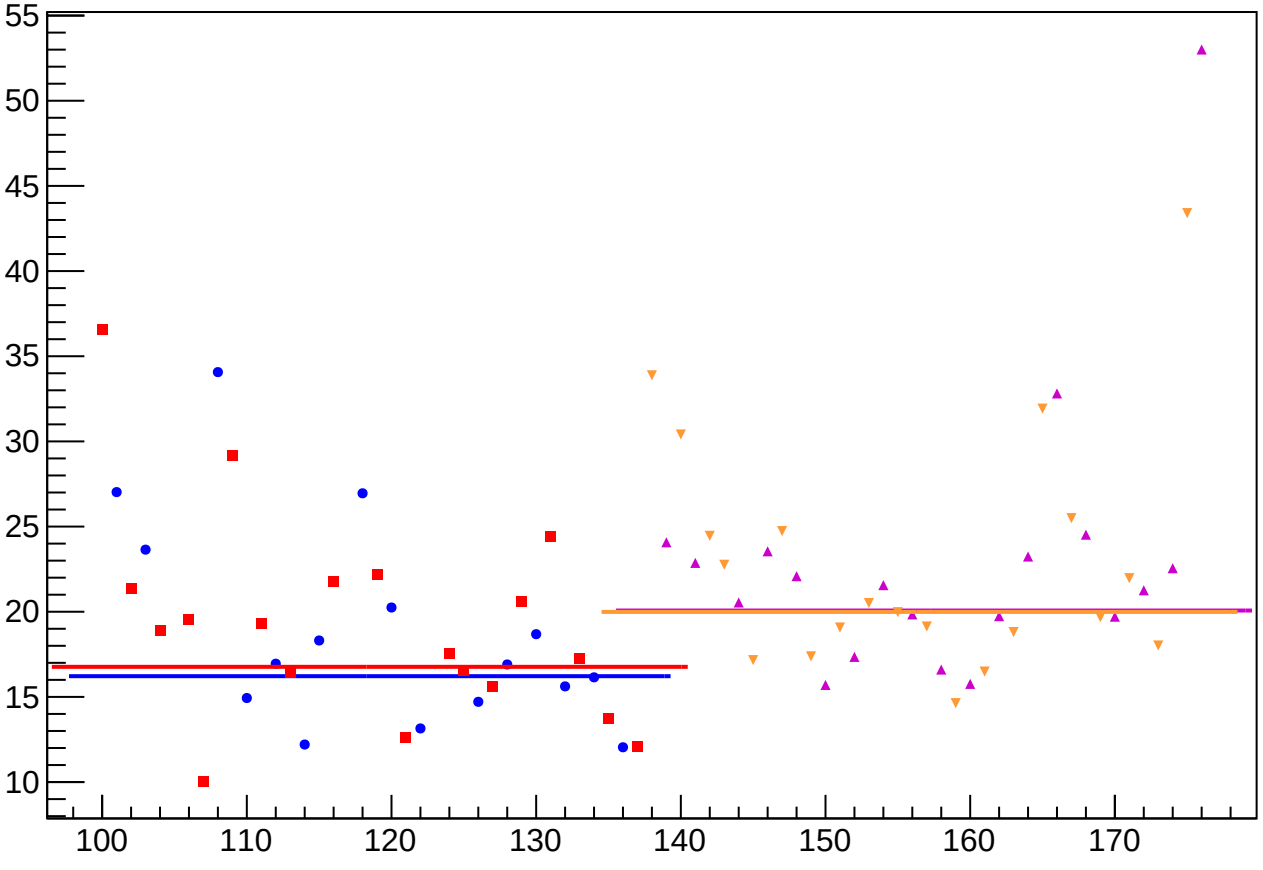
Left In: -0.004+/-0.005 χ^2/NDF:20.4/18

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/35

All: -0.003+/-0.003 χ^2/NDF: 75.1/73

- sign -0.004+/-0.004 χ^2/NDF: 34.1/37

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.991+/-0.004 χ^2/NDF:1581774.3/19

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

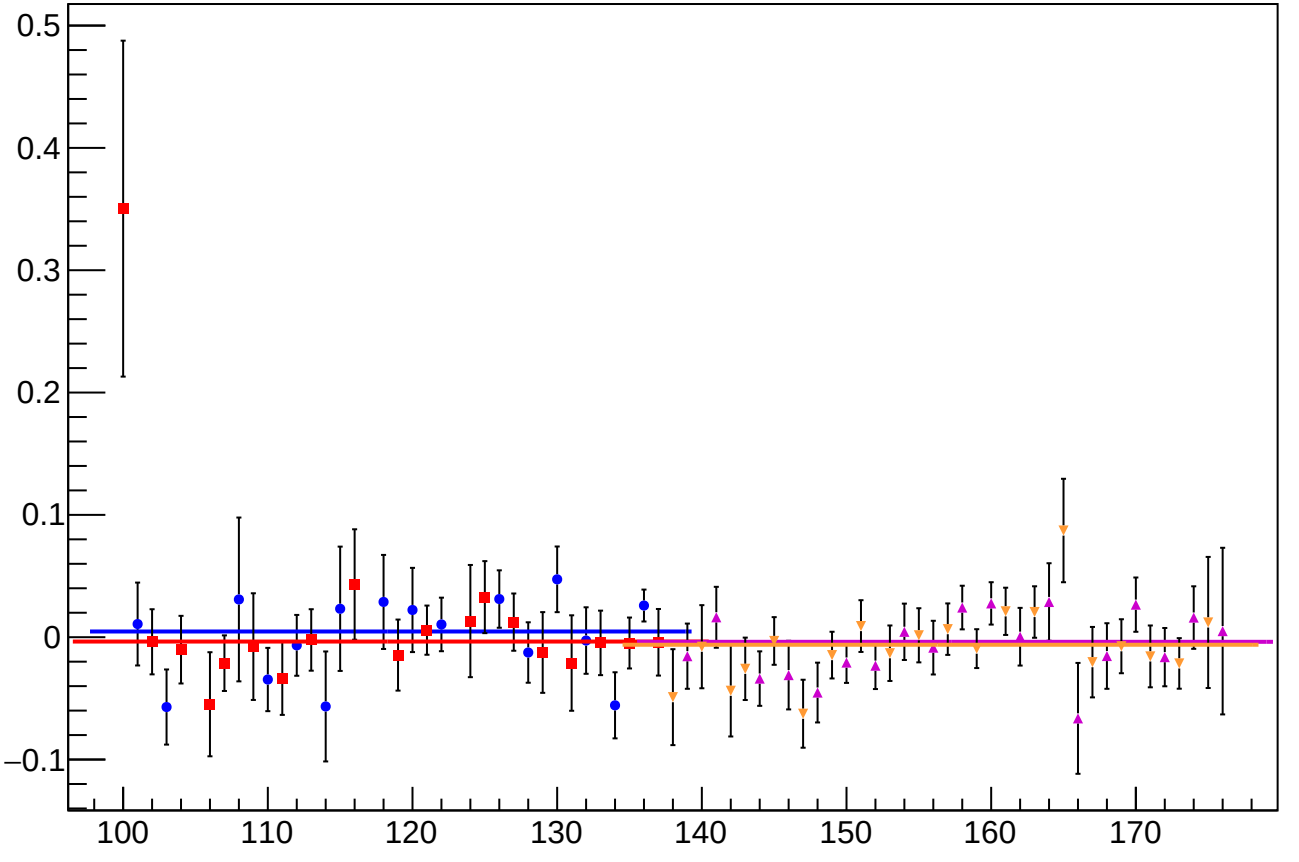
Left In: 20.071+/-0.004 χ^2/NDF:1227850.6/18

+ sign 18.509+/-0.003 χ^2/NDF: 2927137.9/35

All: 18.637+/-0.002 χ^2/NDF: 5326939.9/73

- sign 18.768+/-0.003 χ^2/NDF: 2395890.2/37

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

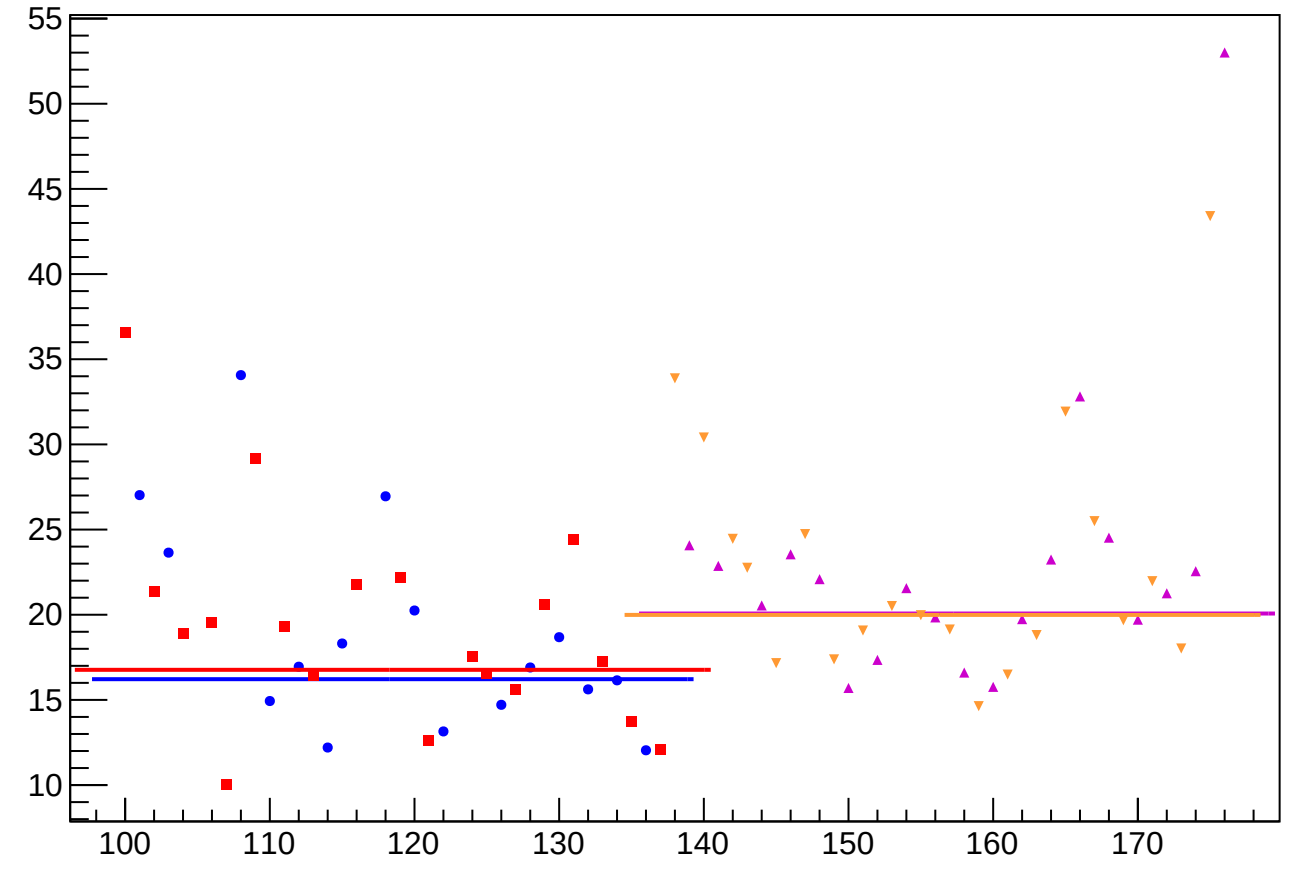
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:20.4/18

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/35

All: -0.003+/-0.003 χ^2/NDF: 75.1/73

- sign -0.004+/-0.004 χ^2/NDF: 34.1/37



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.991+/-0.004 χ^2/NDF:1581774.3/19

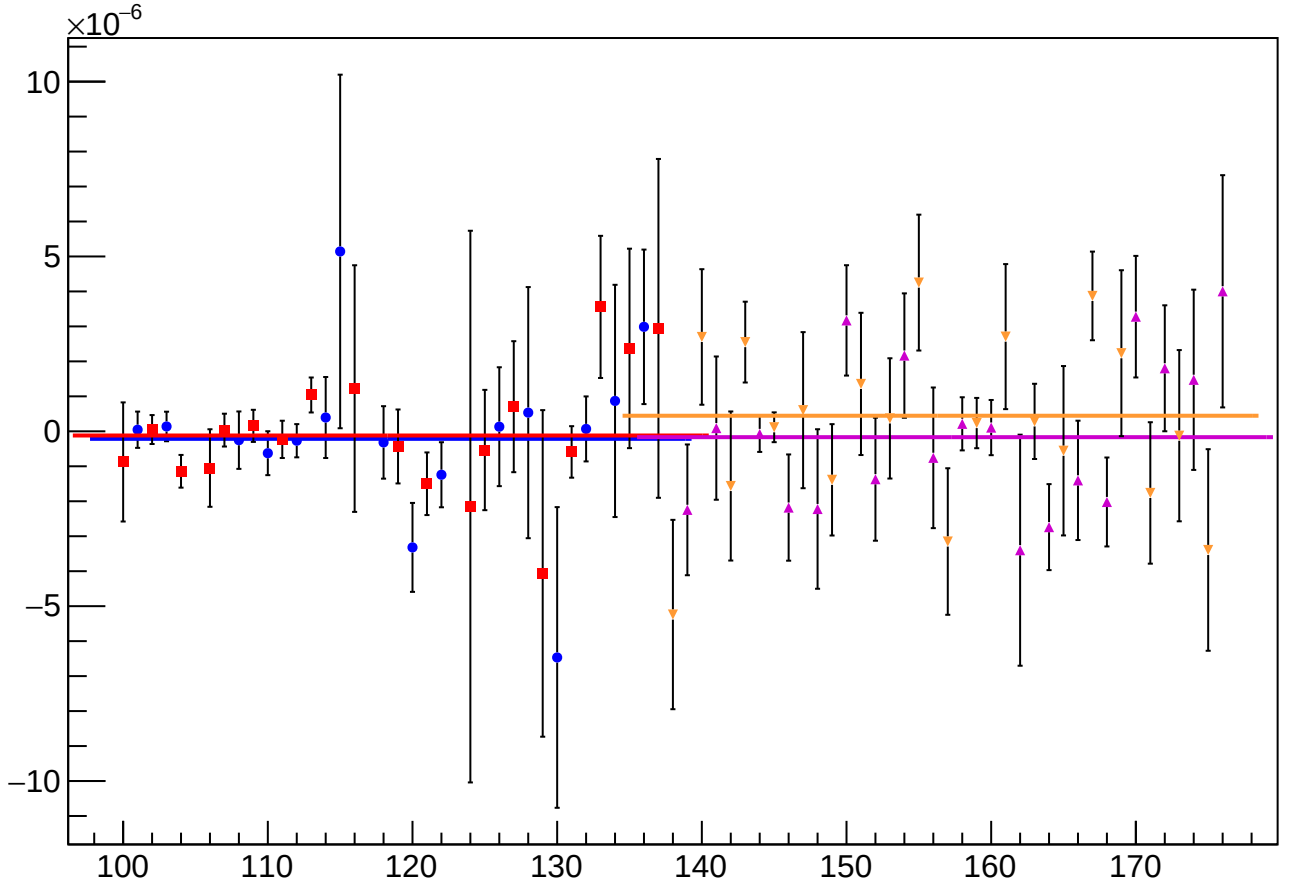
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.071+/-0.004 χ^2/NDF:1227850.6/18

\+ sign 18.509+/-0.003 χ^2/NDF: 2927137.9/35

All: 18.637+/-0.002 χ^2/NDF: 5326939.9/73

\- sign 18.768+/-0.003 χ^2/NDF: 2395890.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.3/19

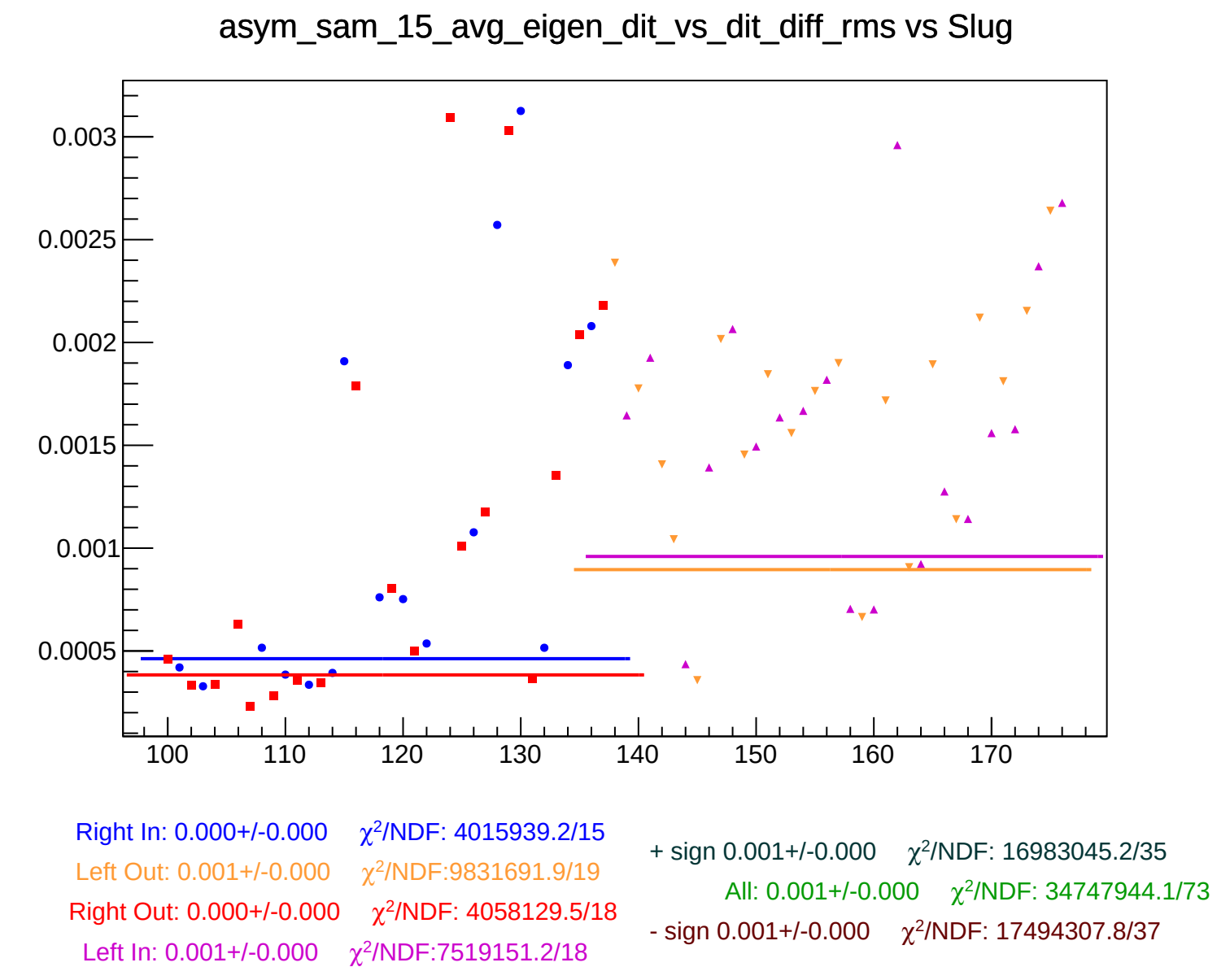
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

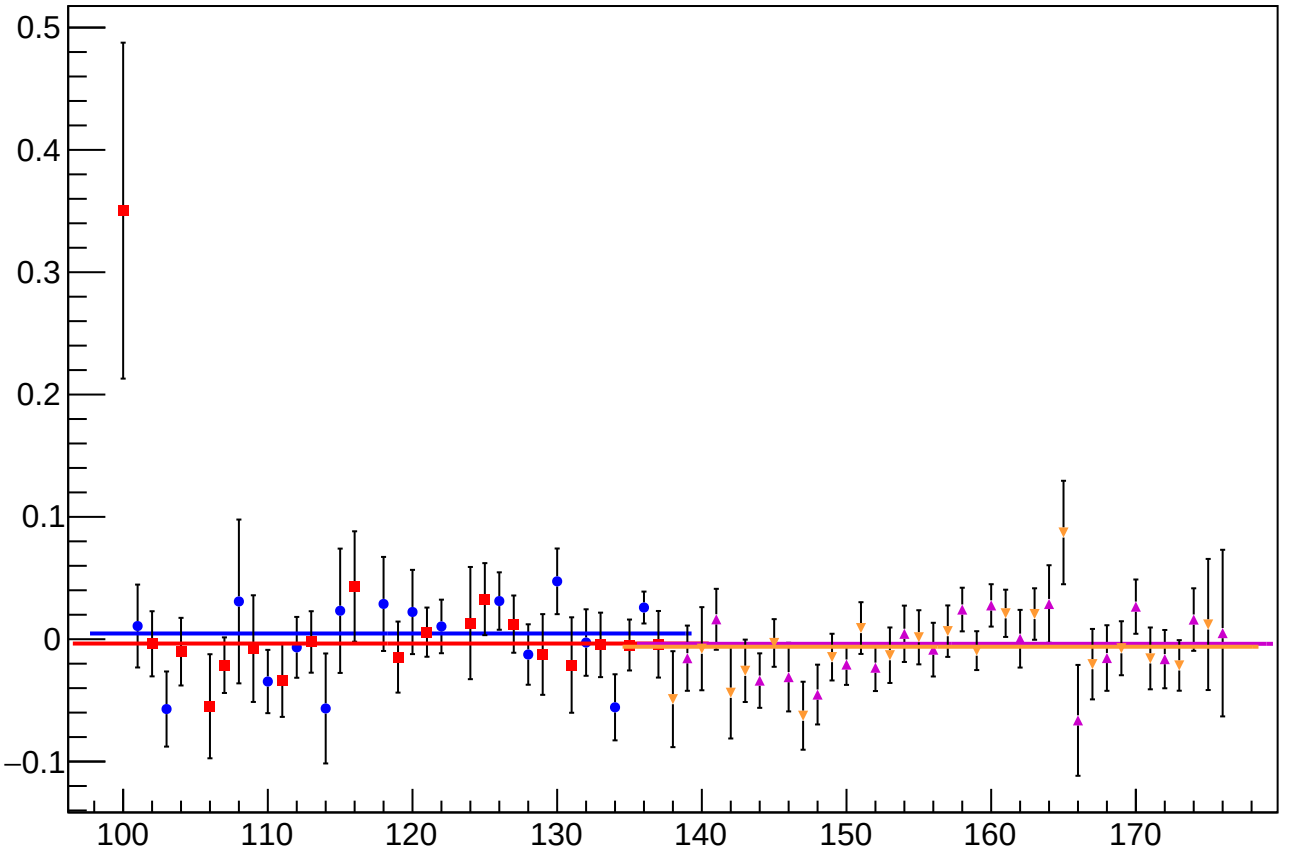
Left In: -0.000+/-0.000 χ^2/NDF:26.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 49.4/35

All: -0.000+/-0.000 χ^2/NDF: 96.2/73

- sign -0.000+/-0.000 χ^2/NDF: 46.3/37


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:9831691.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:7519151.2/18
+ sign 0.001+/-0.000 χ²/NDF: 16983045.2/35
All: 0.001+/-0.000 χ²/NDF: 34747944.1/73
- sign 0.001+/-0.000 χ²/NDF: 17494307.8/37



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

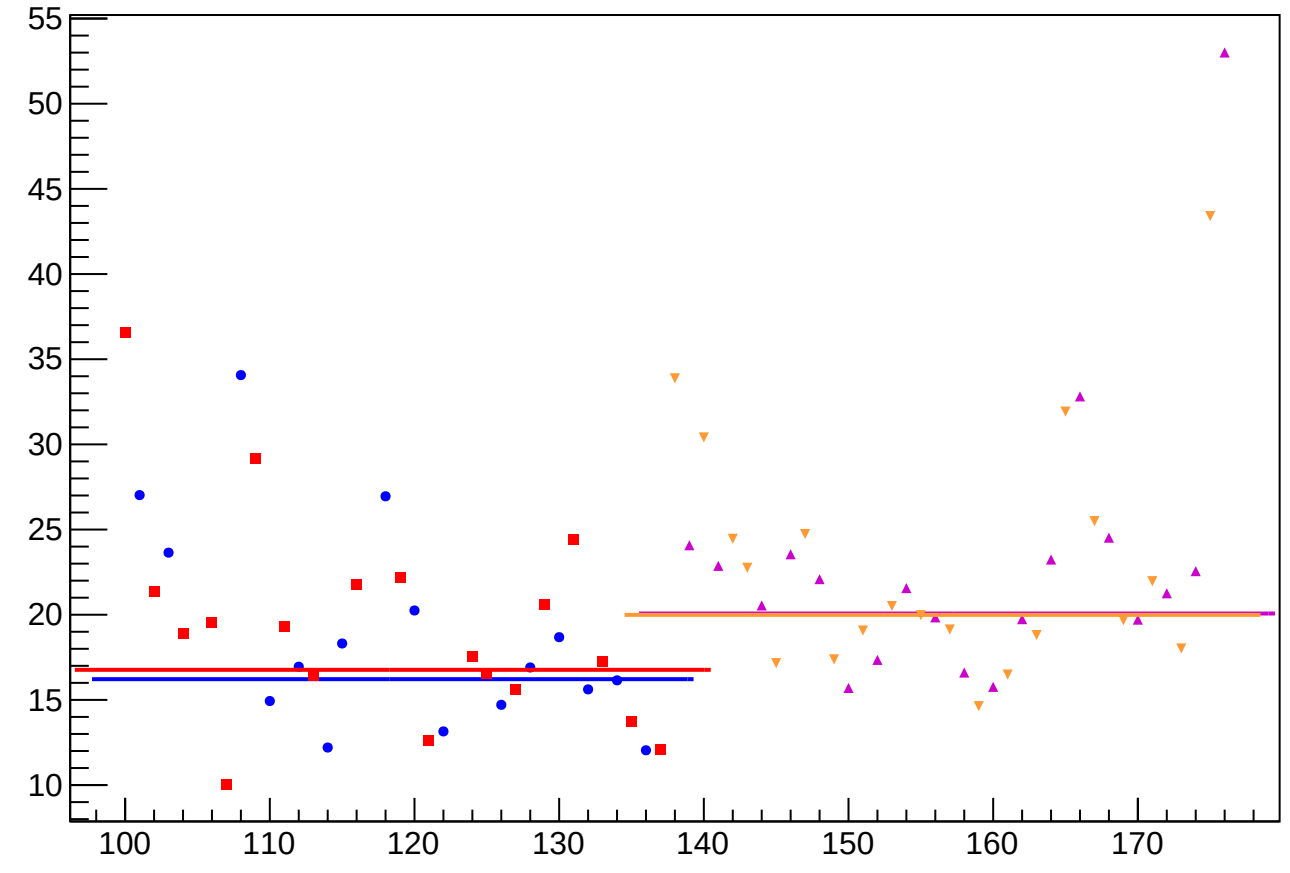
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:20.4/18

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/35

All: -0.003+/-0.003 χ^2/NDF: 75.1/73

- sign -0.004+/-0.004 χ^2/NDF: 34.1/37



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.991+/-0.004 χ^2/NDF:1581843.9/19

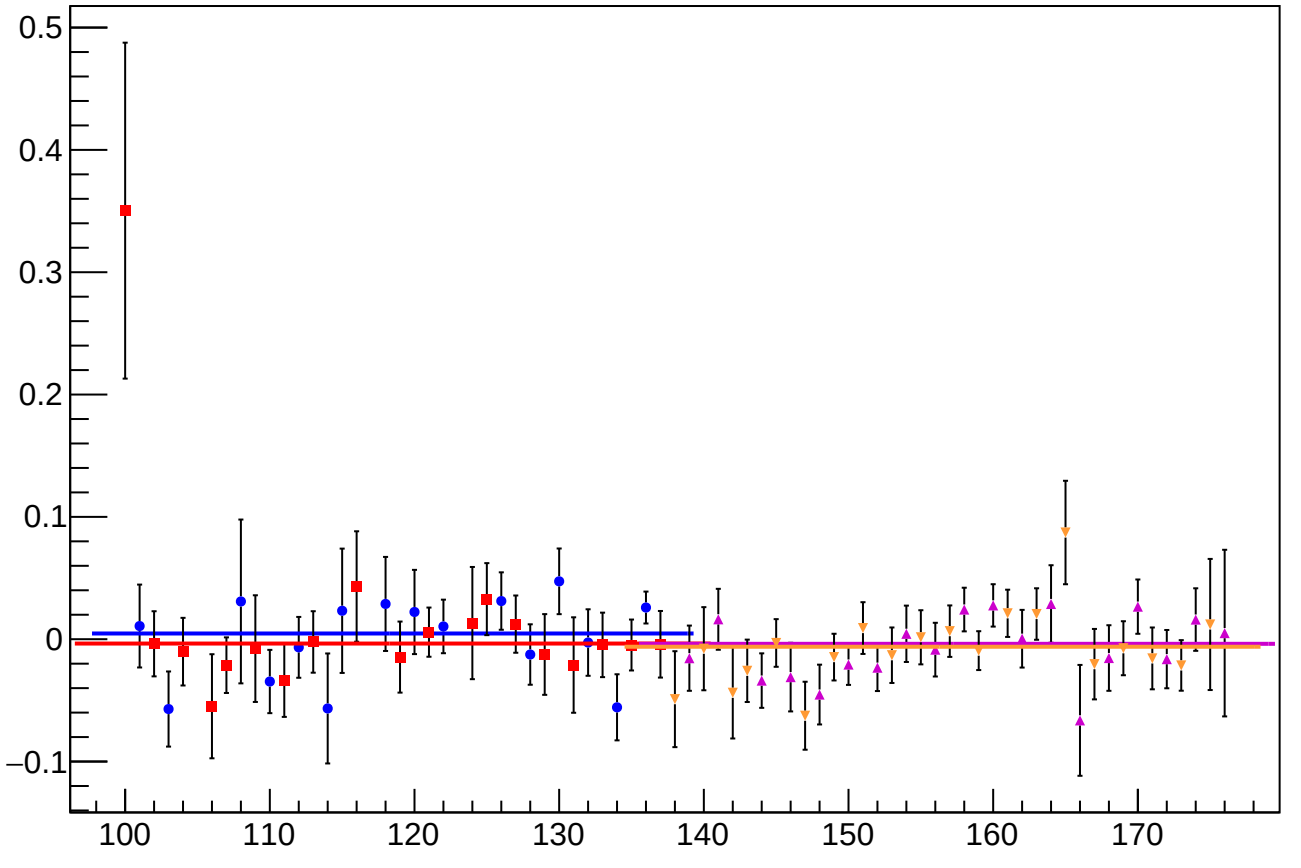
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.071+/-0.004 χ^2/NDF:1227951.2/18

+ sign 18.509+/-0.003 χ^2/NDF: 2927241.9/35

All: 18.637+/-0.002 χ^2/NDF: 5327186.8/73

- sign 18.768+/-0.003 χ^2/NDF: 2396034.6/37



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

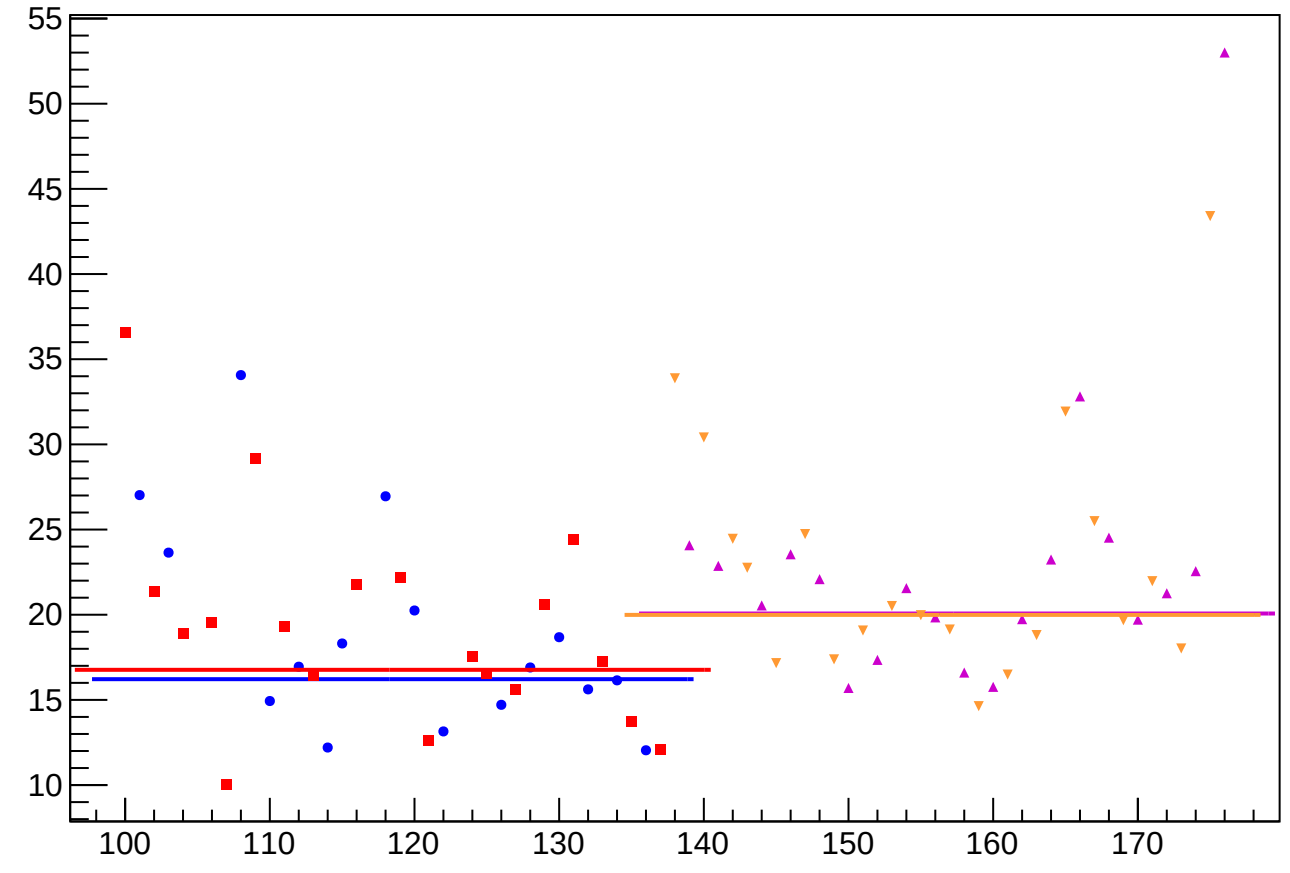
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:20.4/18

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/35

All: -0.003+/-0.003 χ^2/NDF: 75.1/73

- sign -0.004+/-0.004 χ^2/NDF: 34.1/37



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.991+/-0.004 χ^2/NDF:1581843.9/19

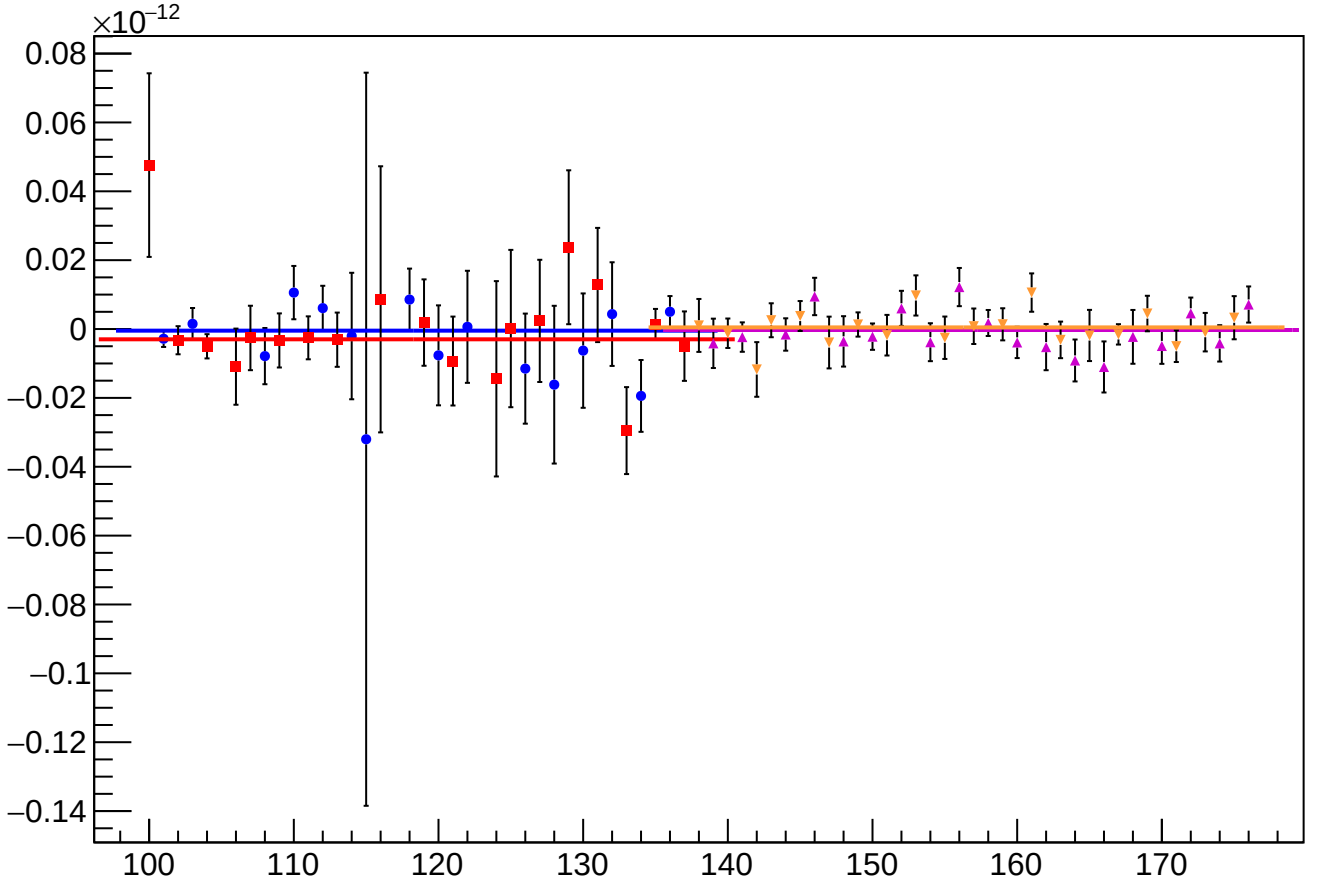
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.071+/-0.004 χ^2/NDF:1227951.2/18

+ sign 18.509+/-0.003 χ^2/NDF: 2927241.9/35

All: 18.637+/-0.002 χ^2/NDF: 5327186.8/73

- sign 18.768+/-0.003 χ^2/NDF: 2396034.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/19

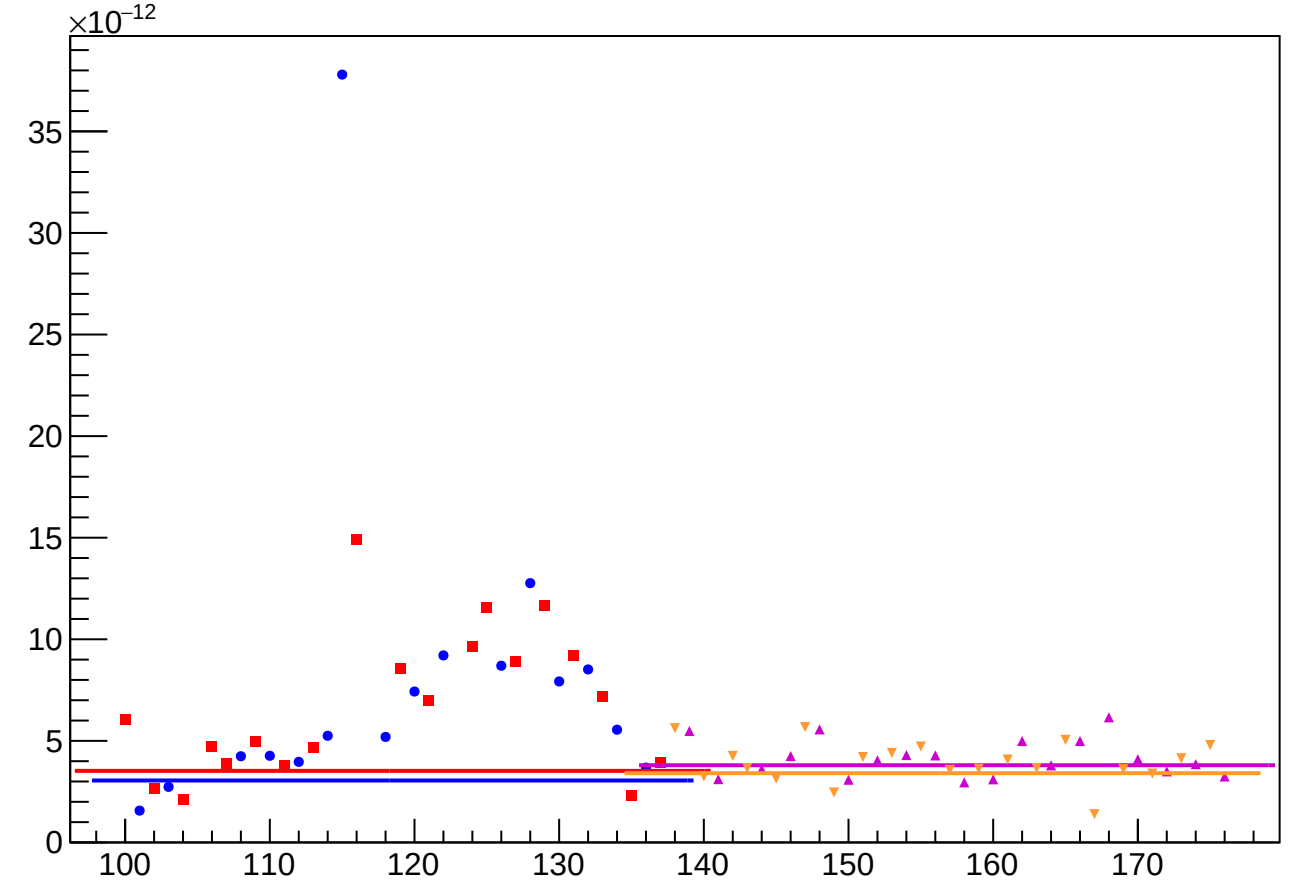
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:21.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 25.8/35

All: -0.000+/-0.000 χ^2/NDF: 62.7/73

- sign -0.000+/-0.000 χ^2/NDF: 36.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1922083.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

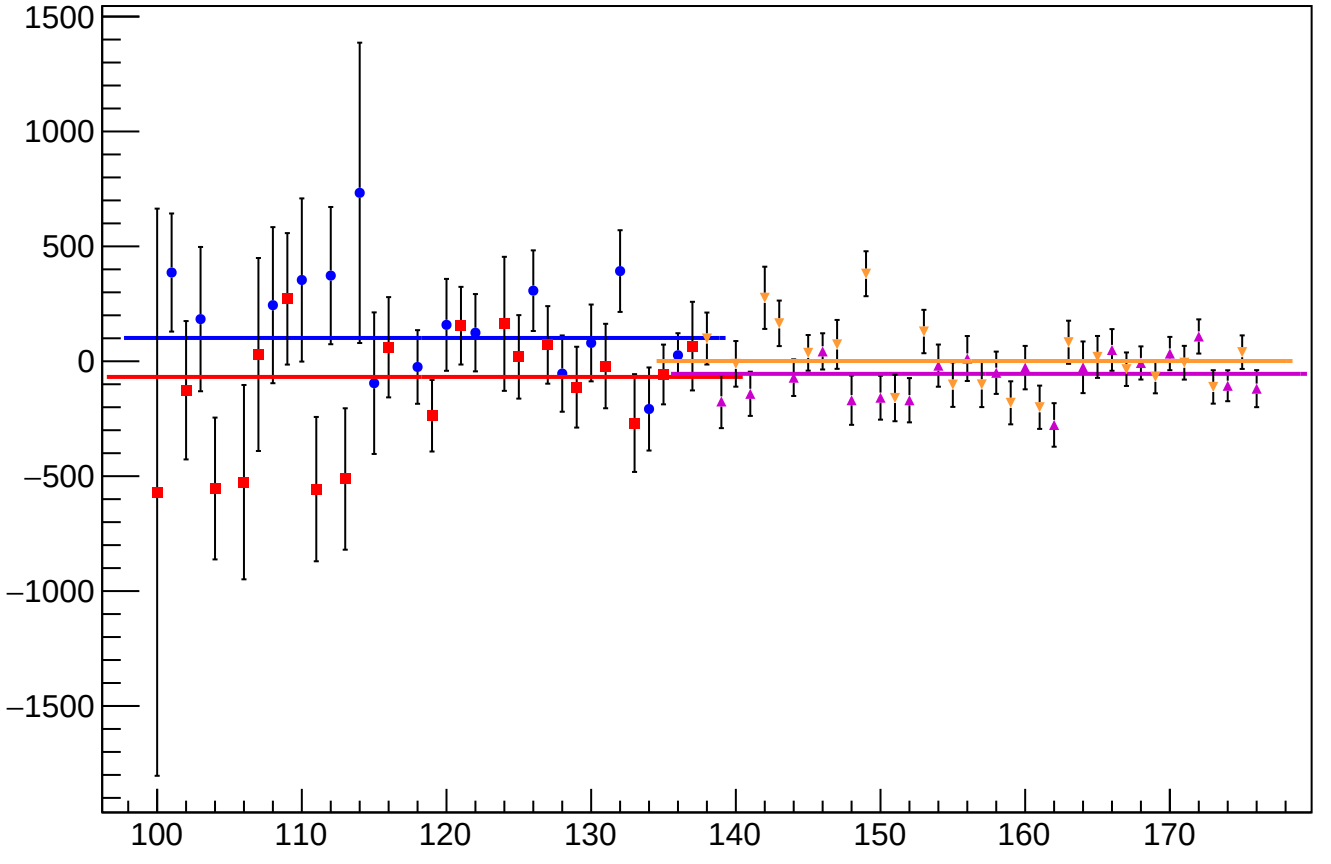
Left In: 0.000+/-0.000 χ^2/NDF:881972.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 4924804.9/35

All: 0.000+/-0.000 χ^2/NDF: 8592077.2/73

- sign 0.000+/-0.000 χ^2/NDF: 3474384.2/37

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 1.173+/-19.930 χ^2/NDF:42.9/19

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

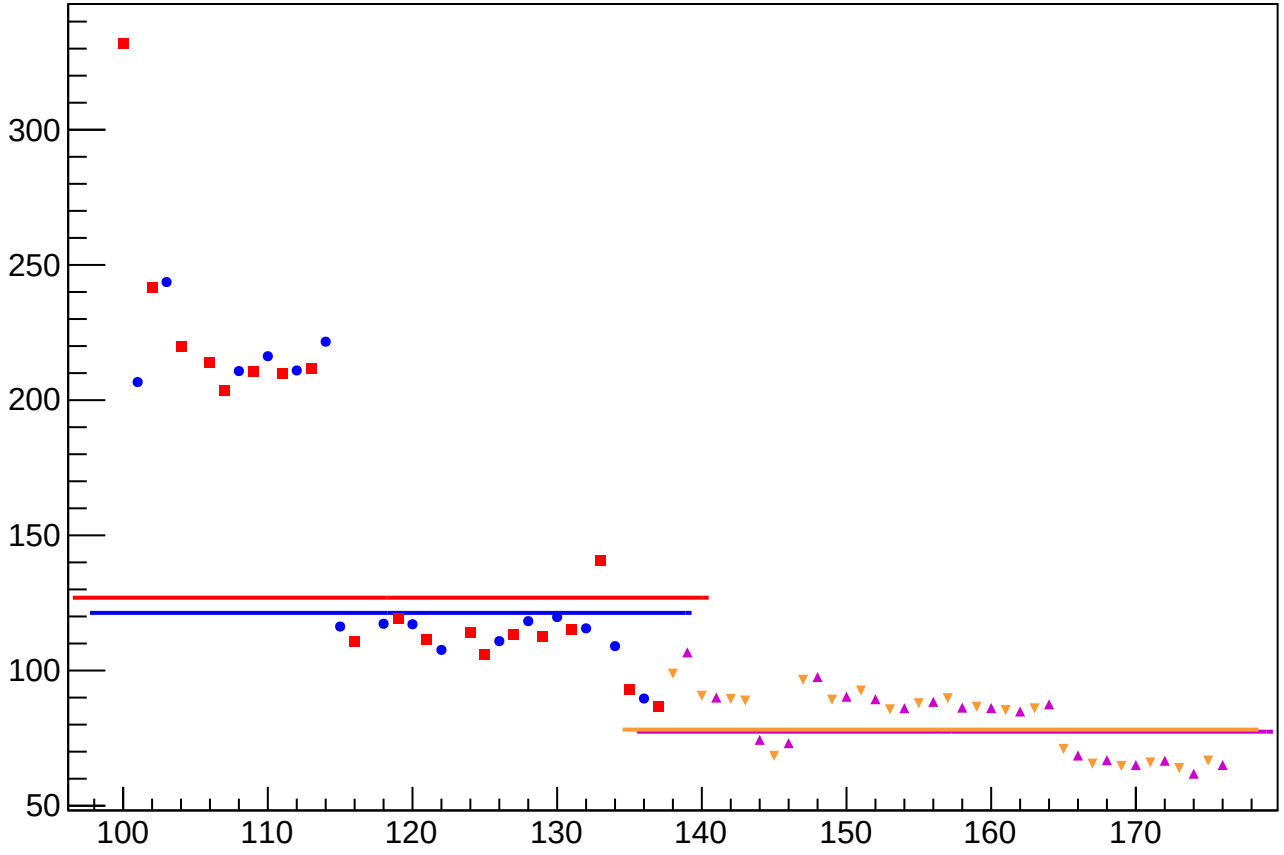
Left In: -54.688+/-19.965 χ^2/NDF:22.7/18

+ sign 16.115+/-18.385 χ^2/NDF: 60.0/35

All: -19.992+/-13.043 χ^2/NDF: 106.7/73

- sign -56.577+/-18.506 χ^2/NDF: 38.9/37

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 78.163+/-0.014 χ^2/NDF:718252.0/19

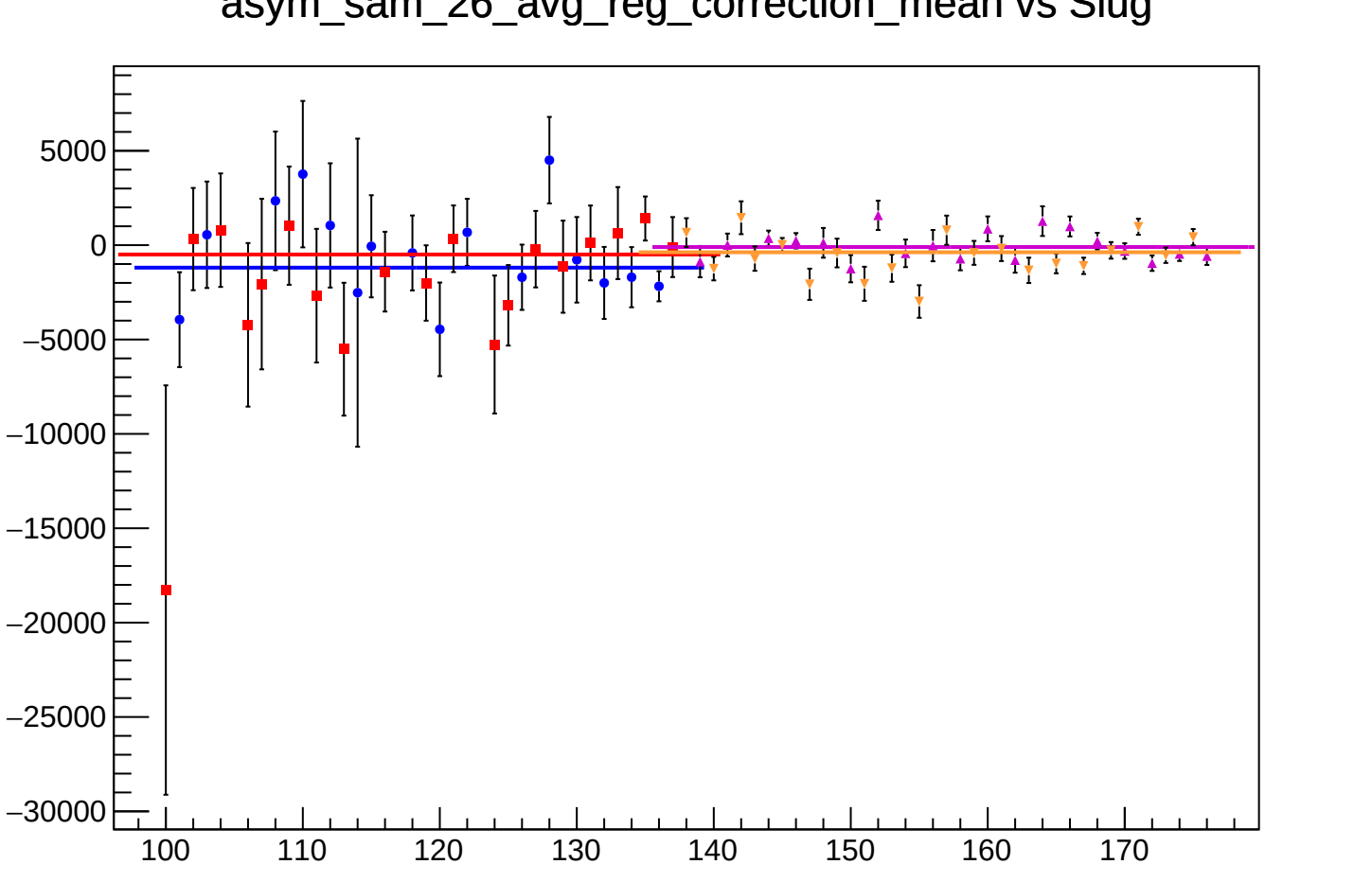
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 77.387+/-0.014 χ^2/NDF:731951.2/18

\+ sign 84.594+/-0.013 χ^2/NDF: 3402573.0/35

All: 84.479+/-0.009 χ^2/NDF: 7340841.8/73

\- sign 84.363+/-0.013 χ^2/NDF: 3938111.8/37



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -377.578+/-125.887 χ^2/NDF:50.0/19

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

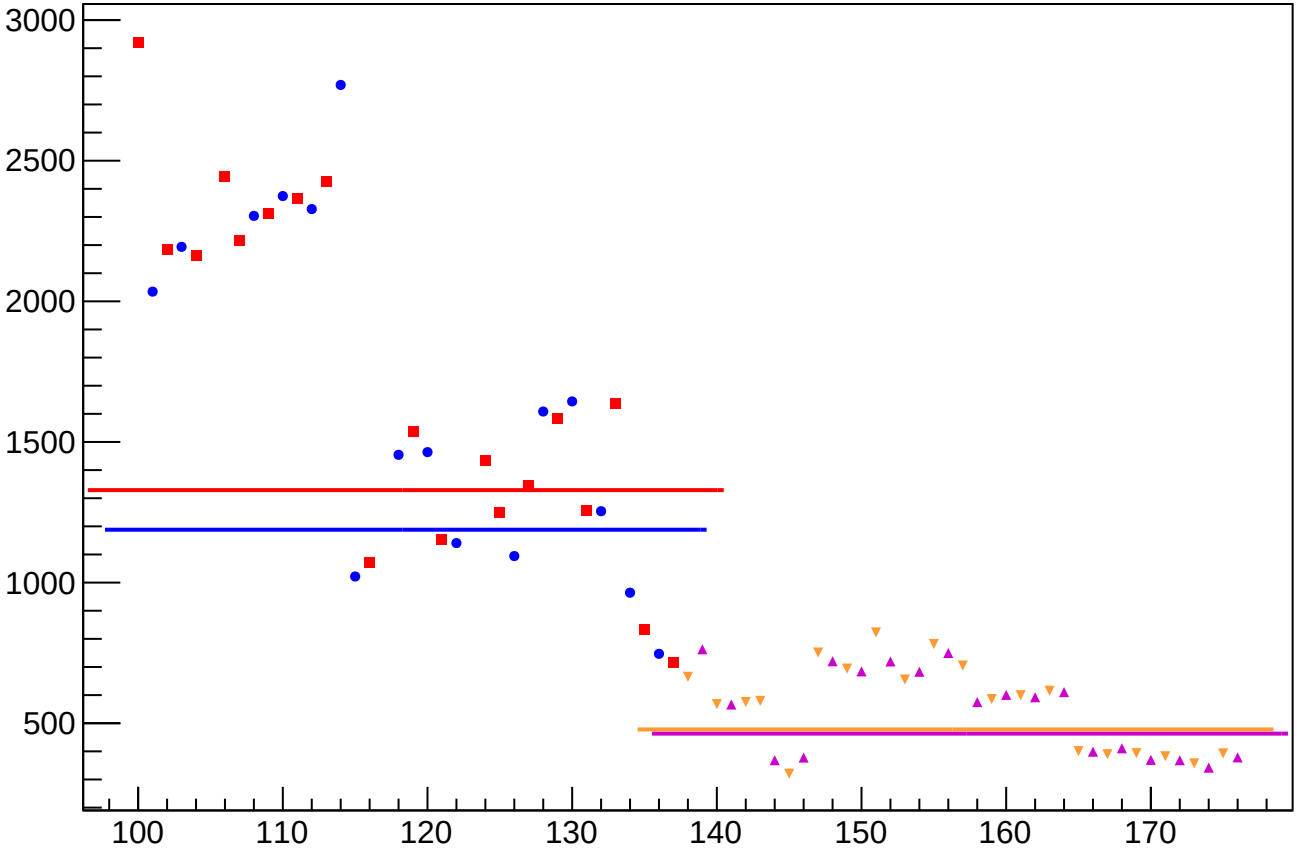
Left In: -100.185+/-123.107 χ^2/NDF:29.1/18

+ sign -430.225+/-121.751 χ^2/NDF: 68.6/35

All: -273.130+/-85.399 χ^2/NDF: 115.4/73

- sign -120.986+/-119.817 χ^2/NDF: 43.5/37

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 477.874+/-0.089 χ^2/NDF:2590927.2/19

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

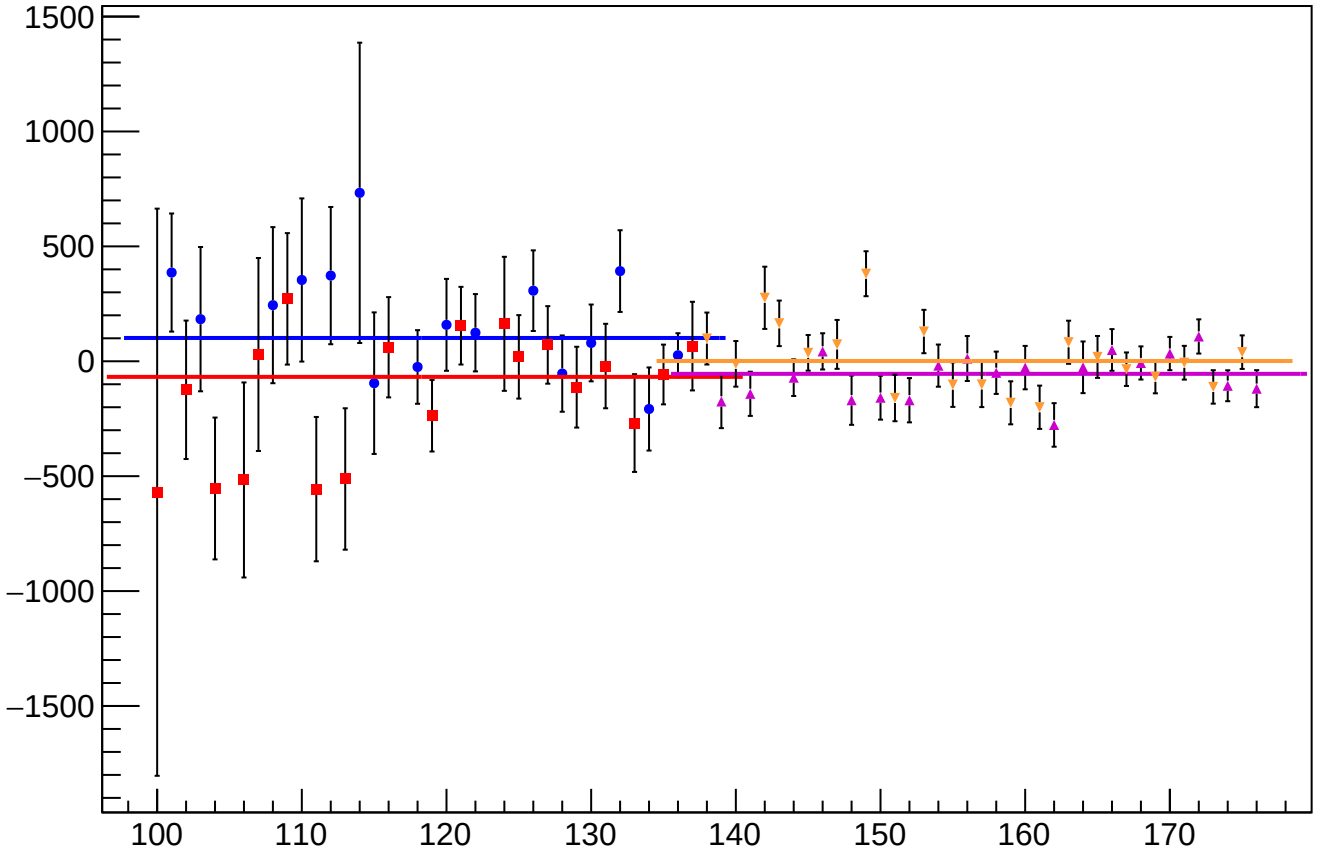
Left In: 463.070+/-0.087 χ^2/NDF:2398669.4/18

+ sign 523.775+/-0.086 χ^2/NDF: 8749564.8/35

All: 516.129+/-0.060 χ^2/NDF: 18337649.9/73

- sign 508.725+/-0.085 χ^2/NDF: 9572561.0/37

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 1.173+/-19.930 χ^2/NDF:42.9/19

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

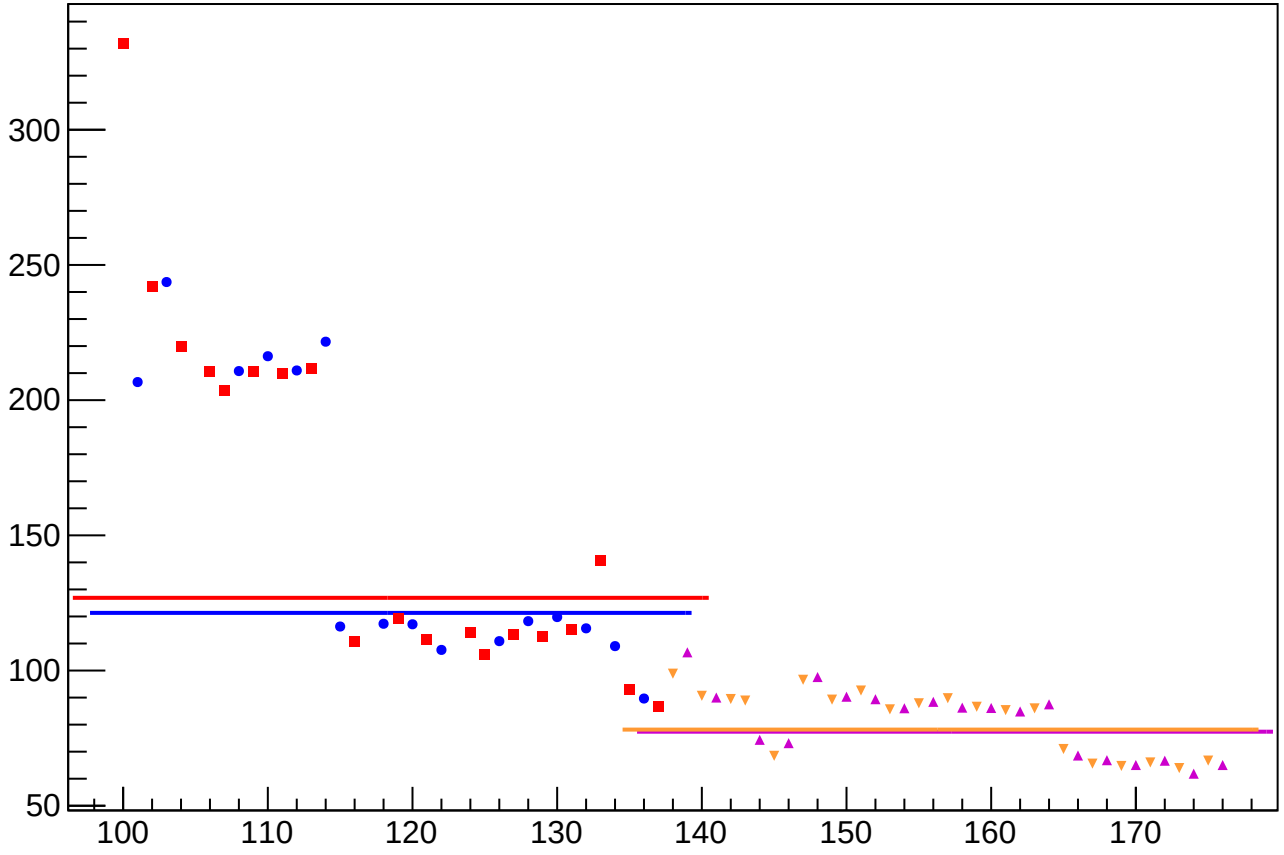
Left In: -54.688+/-19.965 χ^2/NDF:22.7/18

+ sign 16.113+/-18.385 χ^2/NDF: 60.0/35

All: -19.977+/-13.043 χ^2/NDF: 106.7/73

- sign -56.544+/-18.506 χ^2/NDF: 38.9/37

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 78.163+/-0.014 χ^2/NDF:718251.9/19

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

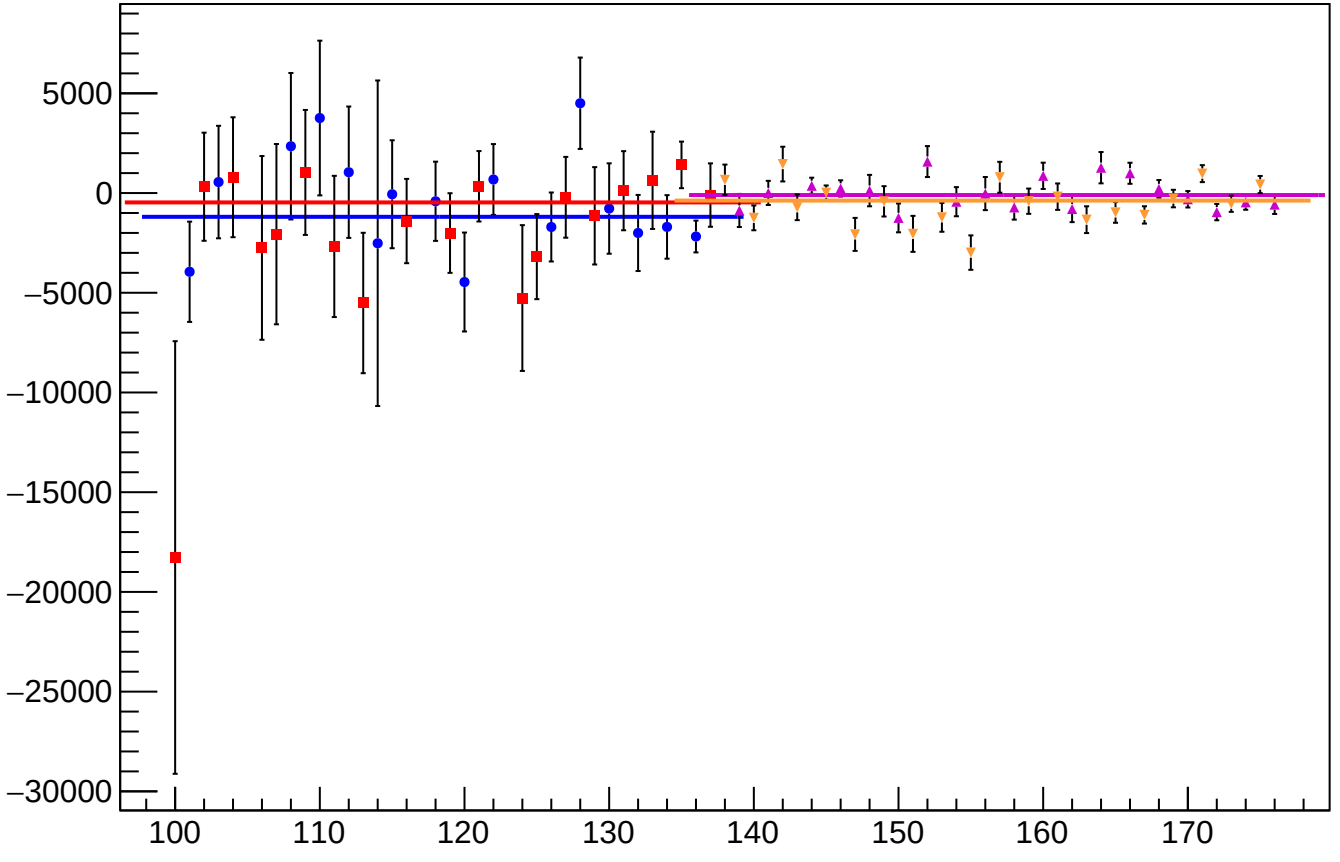
Left In: 77.387+/-0.014 χ^2/NDF:731951.2/18

\+ sign 84.594+/-0.013 χ^2/NDF: 3402575.1/35

All: 84.475+/-0.009 χ^2/NDF: 7331055.9/73

\- sign 84.355+/-0.013 χ^2/NDF: 3928313.1/37

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -377.575+/-125.887 χ^2/NDF:50.0/19

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

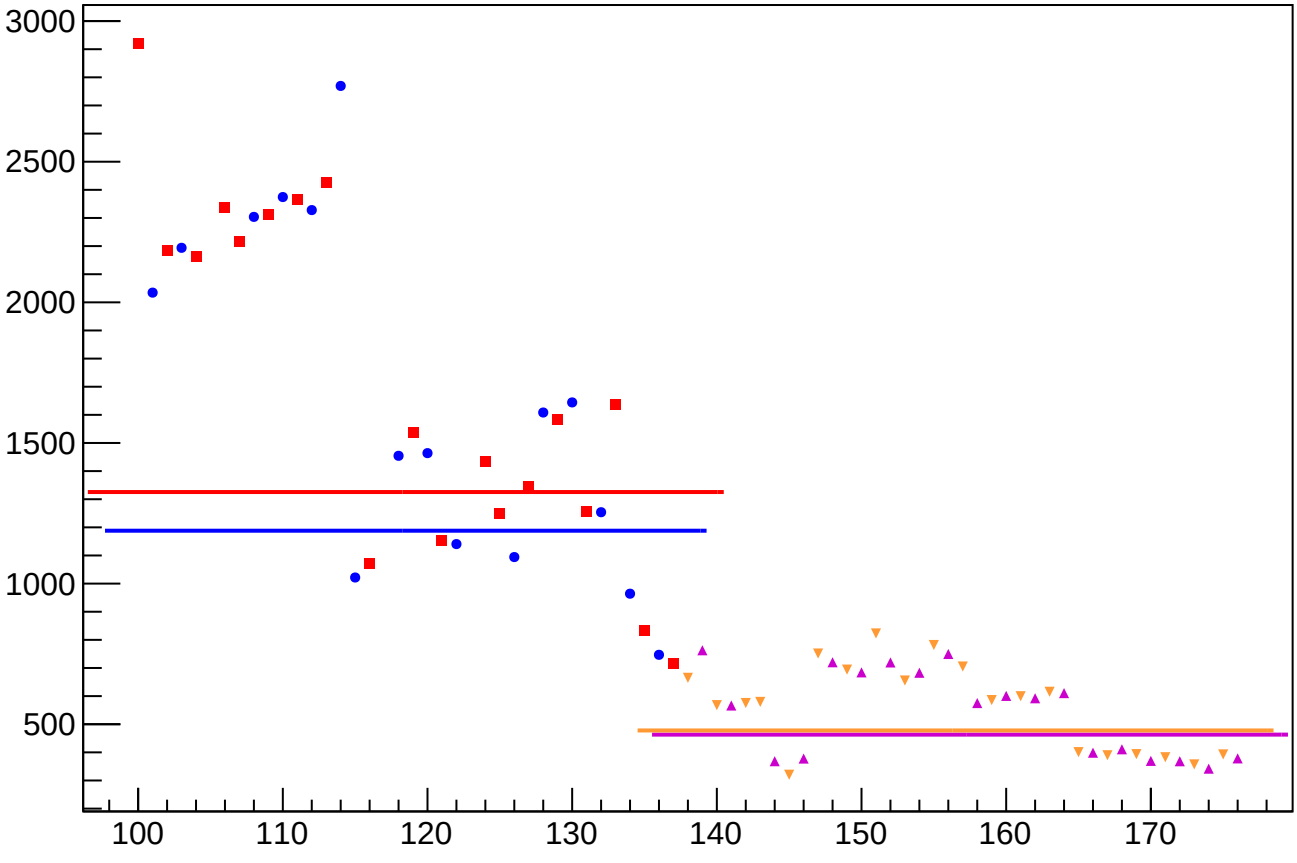
Left In: -100.186+/-123.107 χ^2/NDF:29.1/18

+ sign -430.221+/-121.751 χ^2/NDF: 68.6/35

All: -272.452+/-85.401 χ^2/NDF: 114.8/73

- sign -119.642+/-119.822 χ^2/NDF: 42.9/37

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 477.874+/-0.089 χ^2/NDF:2590934.4/19

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

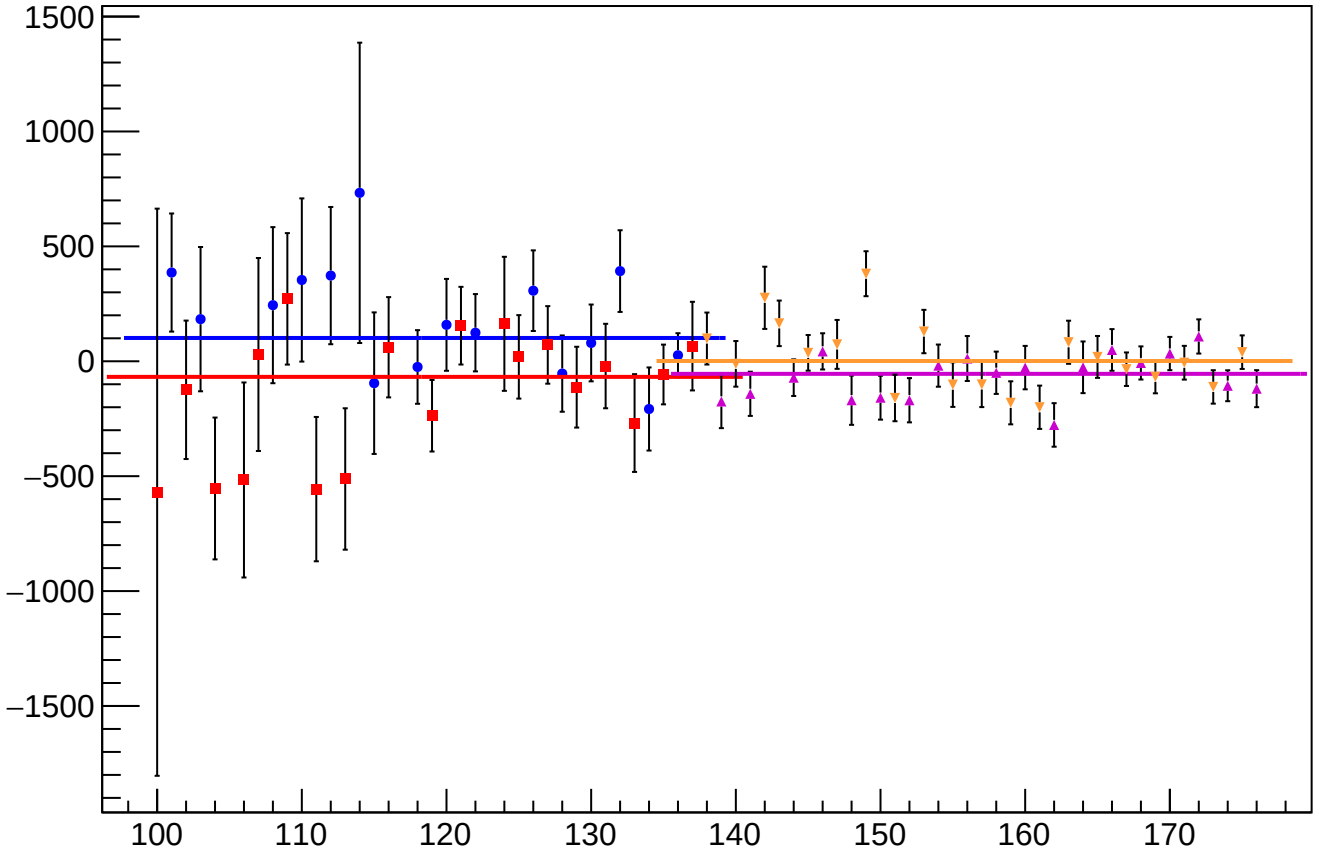
Left In: 463.070+/-0.087 χ^2/NDF:2398674.6/18

+ sign 523.774+/-0.086 χ^2/NDF: 8749593.3/35

All: 516.005+/-0.060 χ^2/NDF: 18253902.0/73

- sign 508.480+/-0.085 χ^2/NDF: 9488275.9/37

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 1.173+/-19.930 χ^2/NDF:42.9/19

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

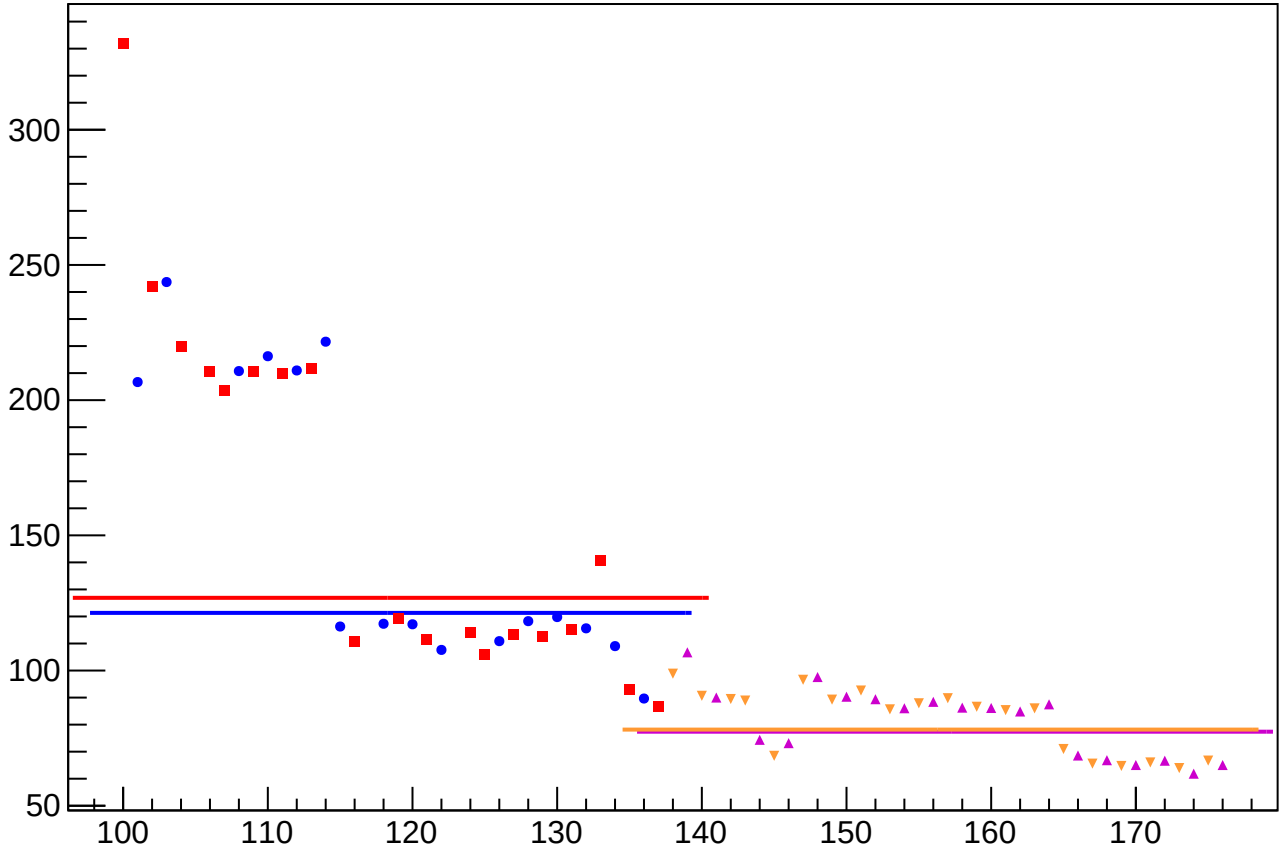
Left In: -54.688+/-19.965 χ^2/NDF:22.7/18

+ sign 16.113+/-18.385 χ^2/NDF: 60.0/35

All: -19.977+/-13.043 χ^2/NDF: 106.7/73

- sign -56.544+/-18.506 χ^2/NDF: 38.9/37

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 78.163+/-0.014 χ^2/NDF:718251.9/19

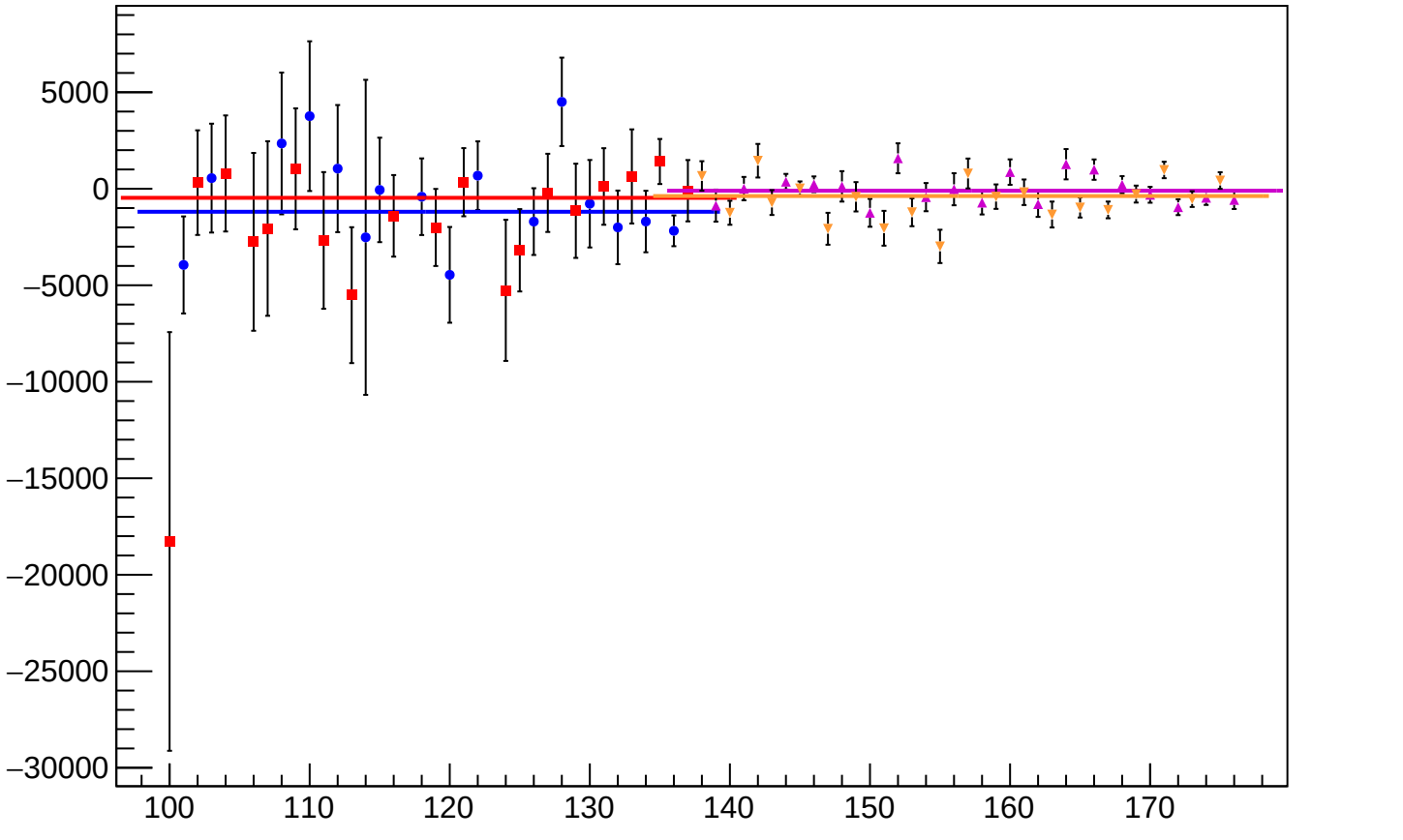
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 77.387+/-0.014 χ^2/NDF:731951.2/18

\+ sign 84.594+/-0.013 χ^2/NDF: 3402575.1/35

All: 84.475+/-0.009 χ^2/NDF: 7331055.9/73

\- sign 84.355+/-0.013 χ^2/NDF: 3928313.1/37



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -377.575+/-125.887 χ^2/NDF:50.0/19

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

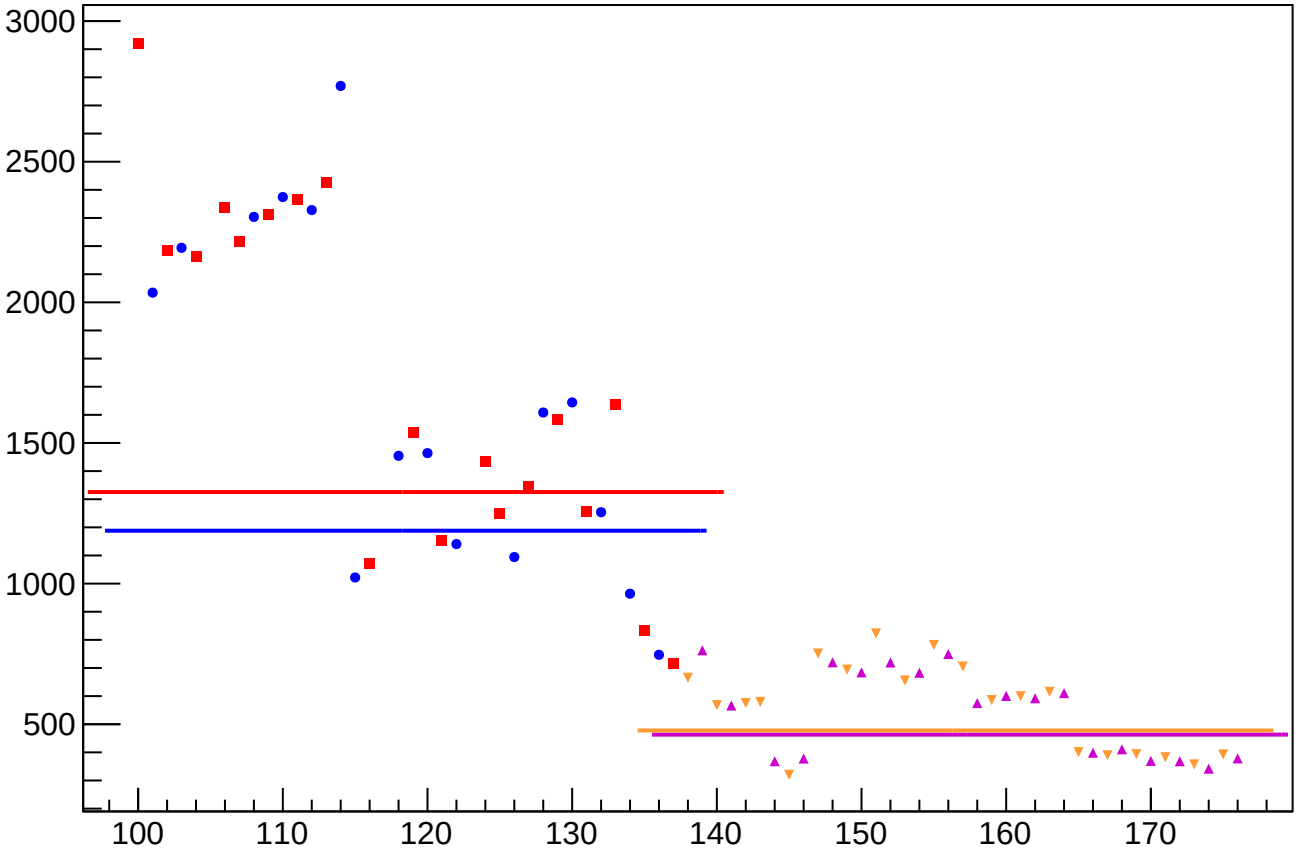
Left In: -100.186+/-123.107 χ^2/NDF:29.1/18

+ sign -430.221+/-121.751 χ^2/NDF: 68.6/35

All: -272.452+/-85.401 χ^2/NDF: 114.8/73

- sign -119.642+/-119.822 χ^2/NDF: 42.9/37

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 477.874+/-0.089 χ^2/NDF:2590934.4/19

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

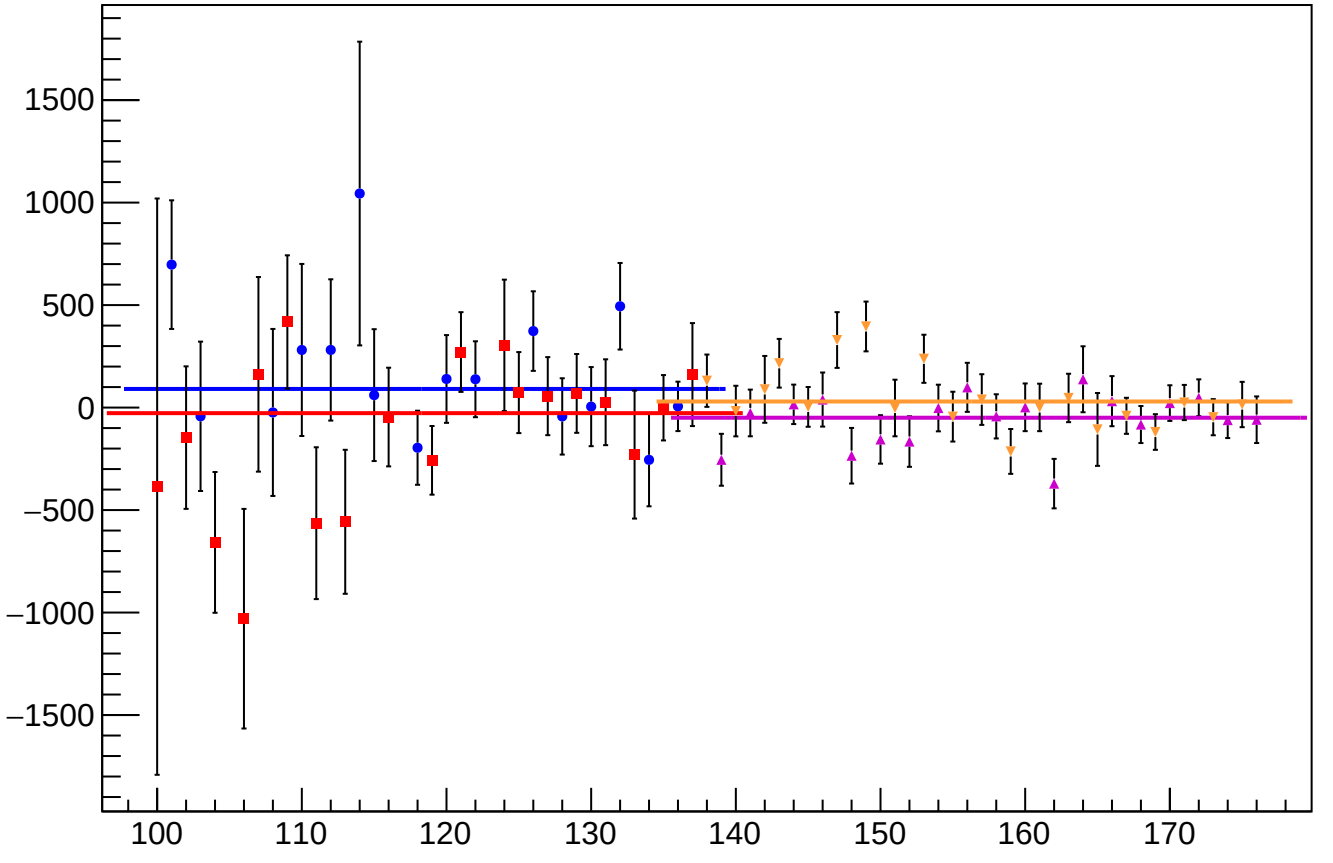
Left In: 463.070+/-0.087 χ^2/NDF:2398674.6/18

+ sign 523.774+/-0.086 χ^2/NDF: 8749593.3/35

All: 516.005+/-0.060 χ^2/NDF: 18253902.0/73

- sign 508.480+/-0.085 χ^2/NDF: 9488275.9/37

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 29.596+/-25.069 χ^2/NDF:31.0/19

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

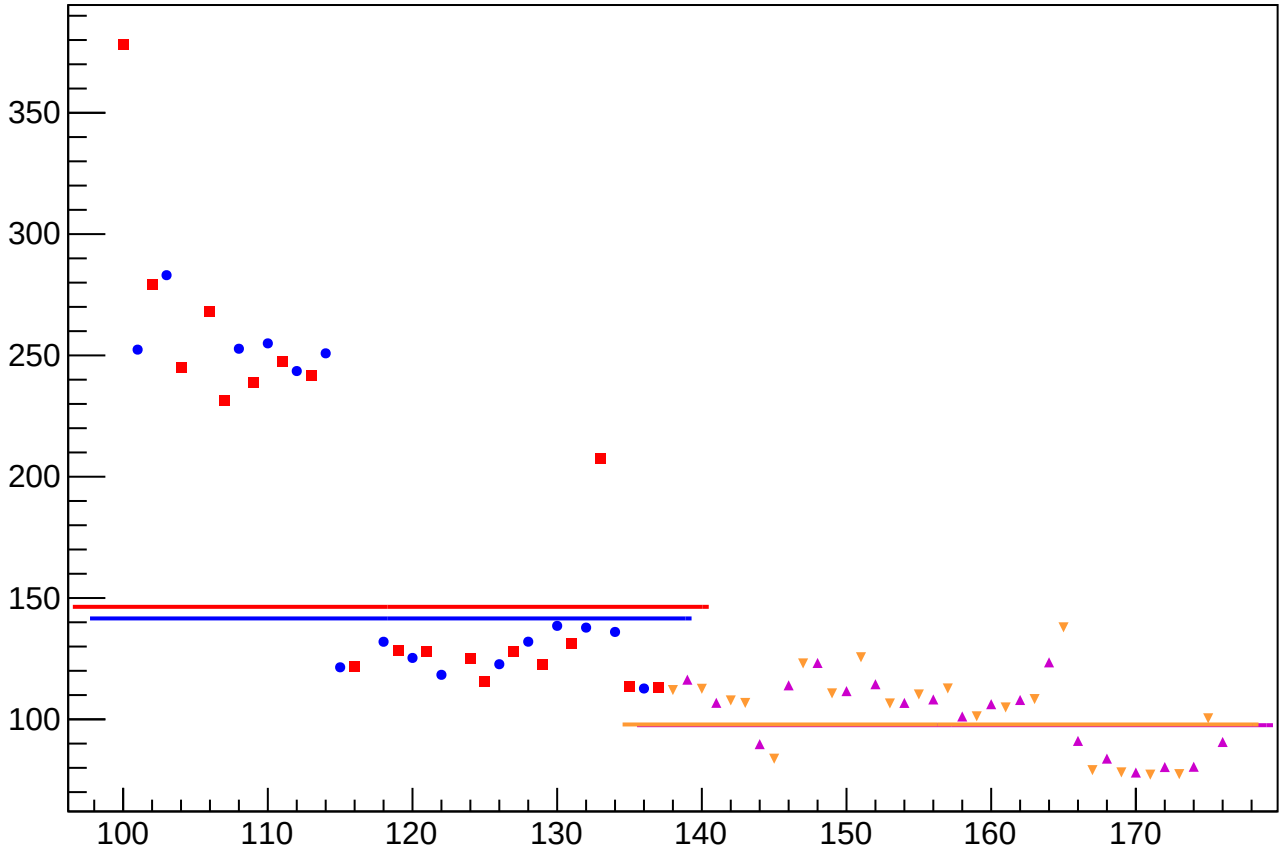
Left In: -49.529+/-25.281 χ^2/NDF:19.9/18

+ sign 39.966+/-22.851 χ^2/NDF: 50.0/35

All: -2.459+/-16.249 χ^2/NDF: 97.6/73

- sign -45.855+/-23.111 χ^2/NDF: 40.6/37

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.880+/-0.018 χ^2/NDF:891843.4/19

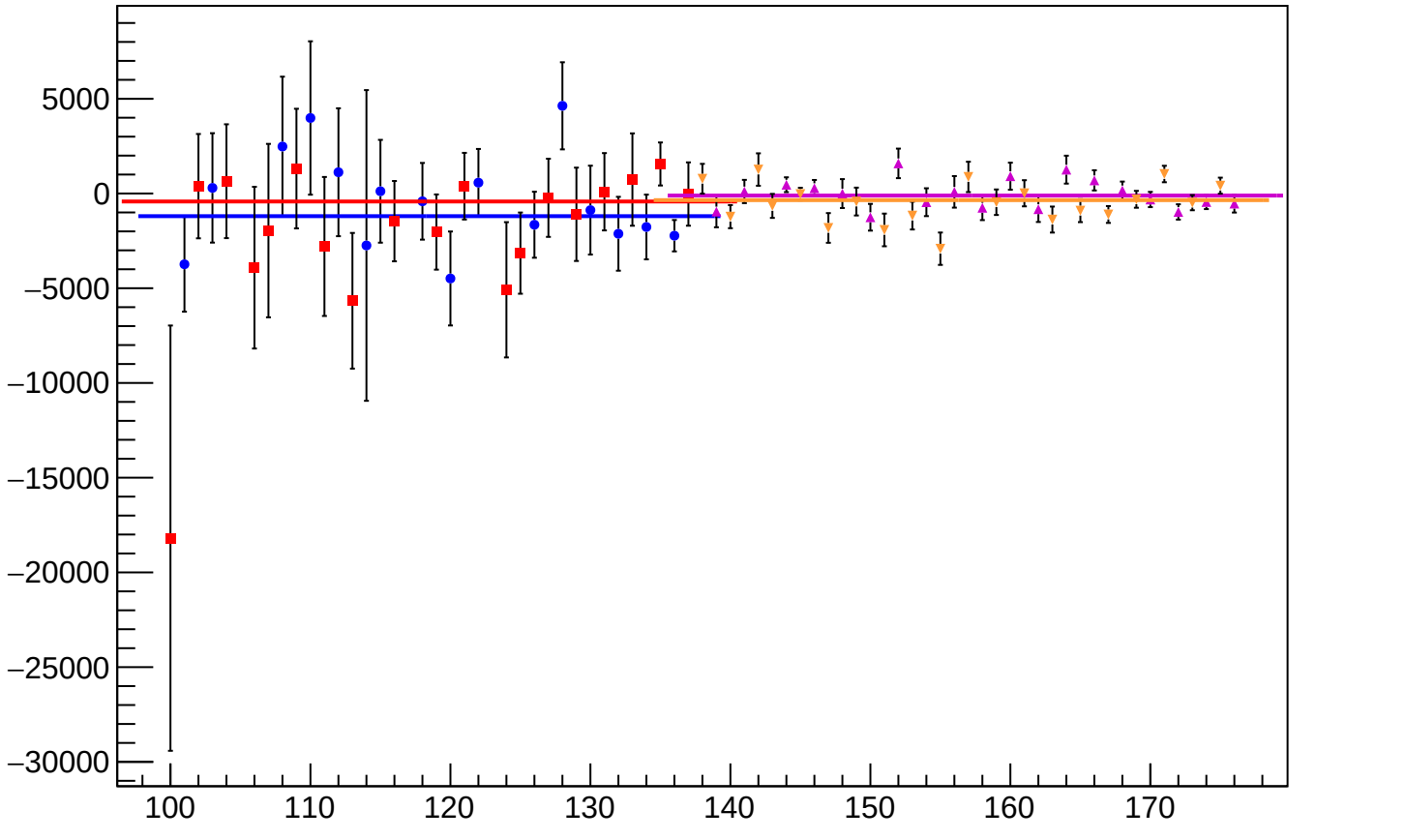
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.581+/-0.018 χ^2/NDF:657875.4/18

+ sign 105.272+/-0.016 χ^2/NDF: 3182378.3/35

All: 105.433+/-0.011 χ^2/NDF: 6577895.2/73

- sign 105.597+/-0.016 χ^2/NDF: 3395315.8/37



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -351.006+/-125.876 χ^2/NDF:48.0/19

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

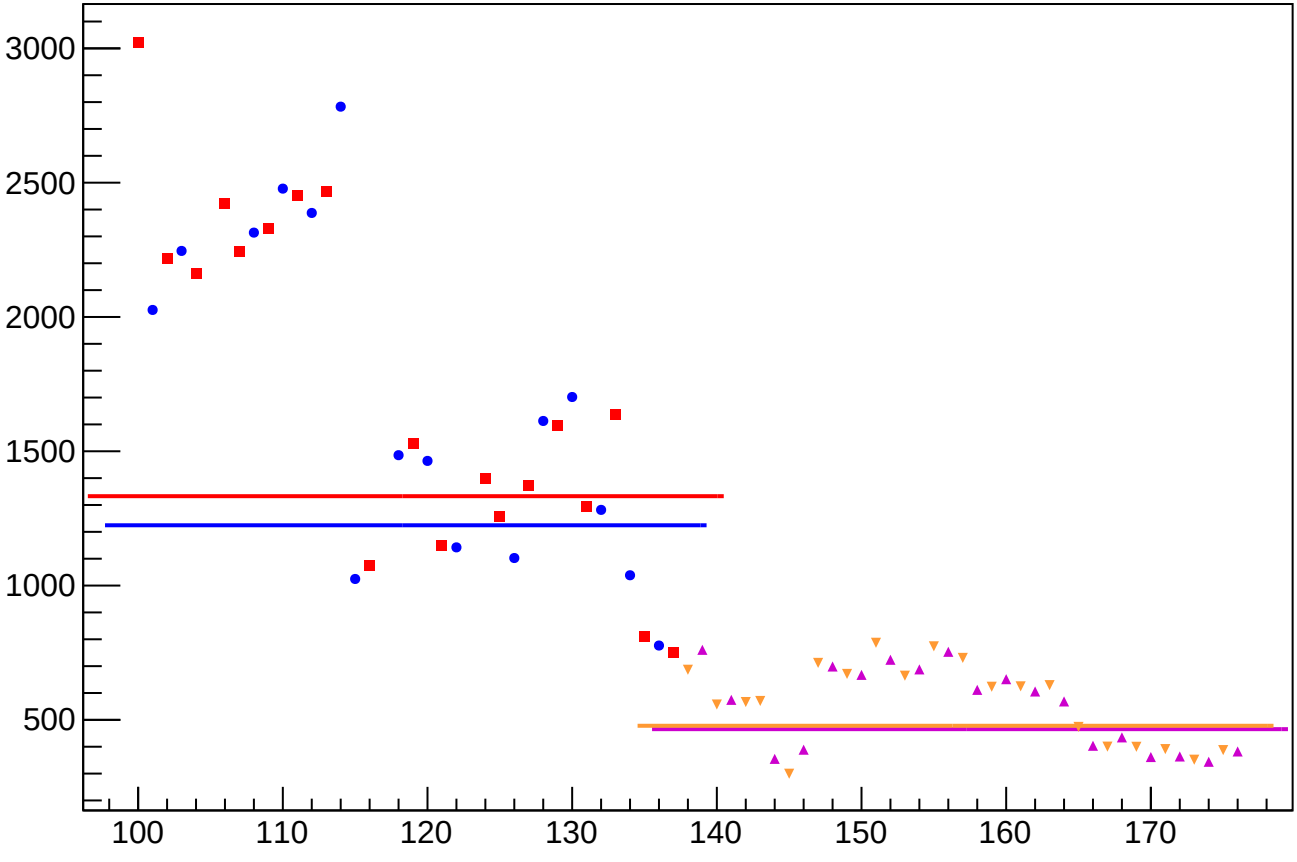
Left In: -108.738+/-124.063 χ^2/NDF:28.5/18

+ sign -403.082+/-121.939 χ^2/NDF: 66.7/35

All: -262.842+/-85.791 χ^2/NDF: 112.4/73

- sign -125.384+/-120.723 χ^2/NDF: 43.1/37

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 478.018+/-0.089 χ^2/NDF:2726626.0/19

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

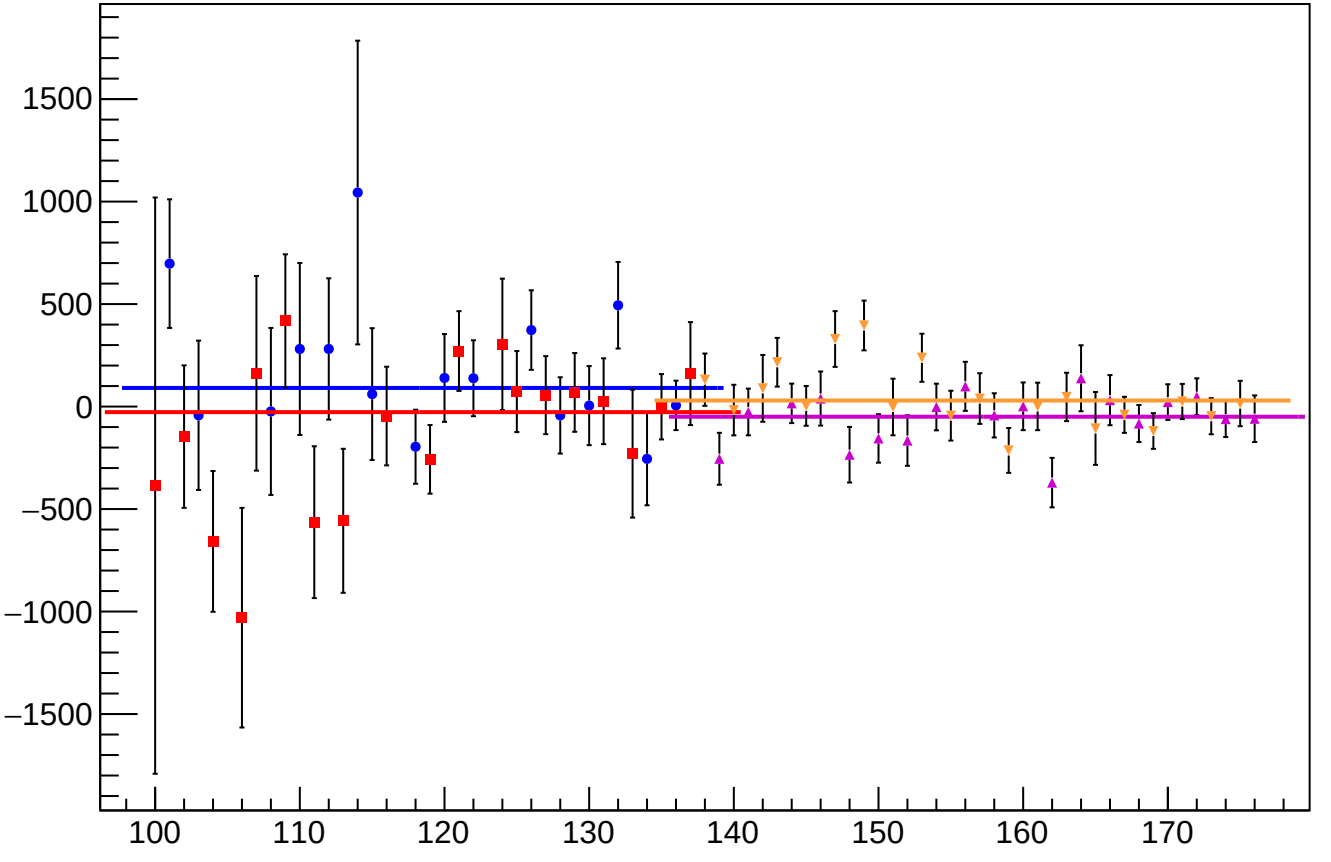
Left In: 465.404+/-0.088 χ^2/NDF:2462813.5/18

+ sign 523.984+/-0.086 χ^2/NDF: 9017001.3/35

All: 517.666+/-0.061 χ^2/NDF: 18677574.9/73

- sign 511.472+/-0.085 χ^2/NDF: 9649939.3/37

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 29.594+/-25.069 χ^2/NDF:31.0/19

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

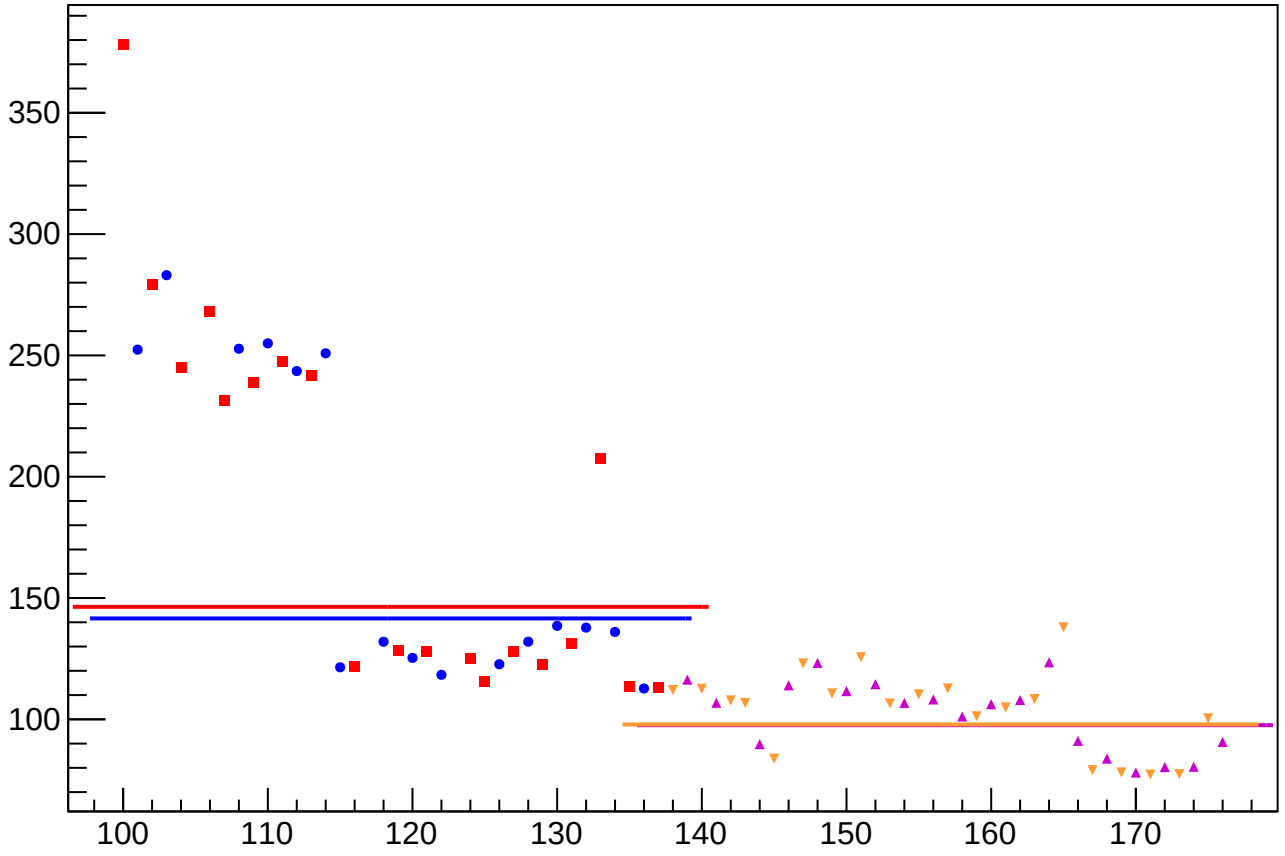
Left In: -49.528+/-25.281 χ^2/NDF:19.9/18

+ sign 39.964+/-22.851 χ^2/NDF: 50.0/35

All: -2.459+/-16.249 χ^2/NDF: 97.6/73

- sign -45.854+/-23.111 χ^2/NDF: 40.6/37

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.880+/-0.018 χ^2/NDF:891840.1/19

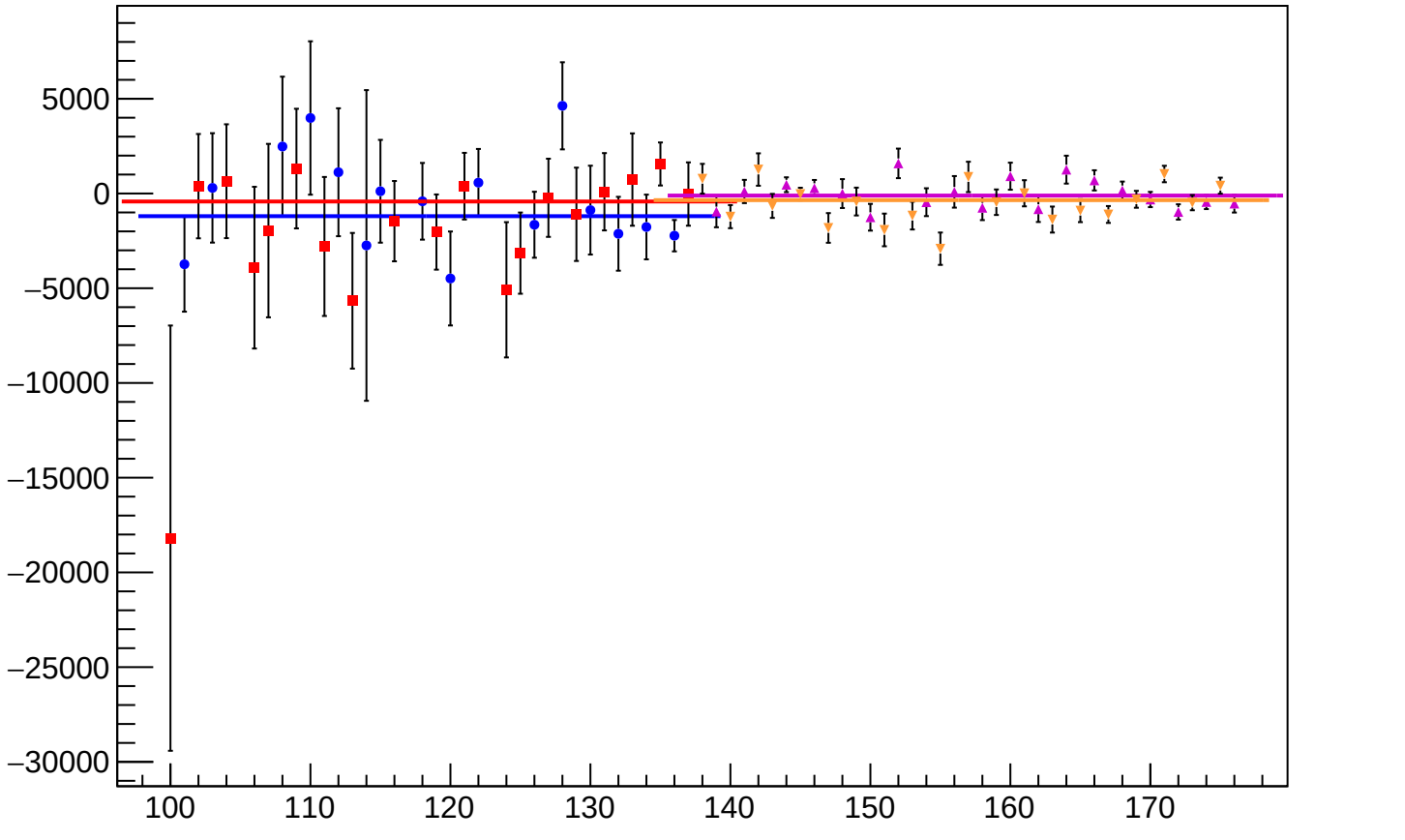
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.582+/-0.018 χ^2/NDF:657864.9/18

+ sign 105.272+/-0.016 χ^2/NDF: 3182323.4/35

All: 105.433+/-0.011 χ^2/NDF: 6577782.2/73

- sign 105.598+/-0.016 χ^2/NDF: 3395257.5/37



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -351.006+/-125.876 χ^2/NDF:48.0/19

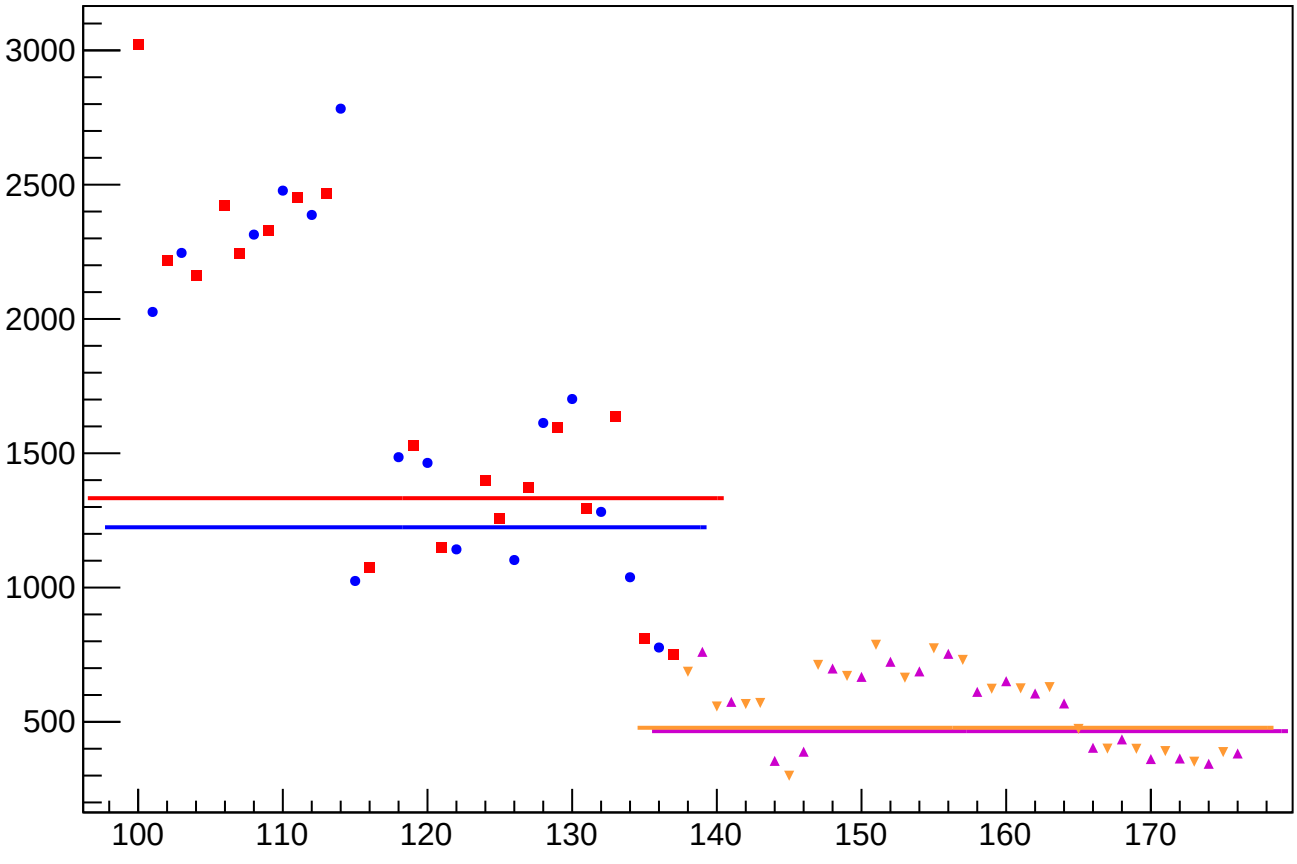
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -108.737+/-124.063 χ^2/NDF:28.5/18

+ sign -403.081+/-121.939 χ^2/NDF: 66.7/35

All: -262.841+/-85.791 χ^2/NDF: 112.4/73

- sign -125.384+/-120.723 χ^2/NDF: 43.1/37



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 478.017+/-0.089 χ^2/NDF:2726650.8/19

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

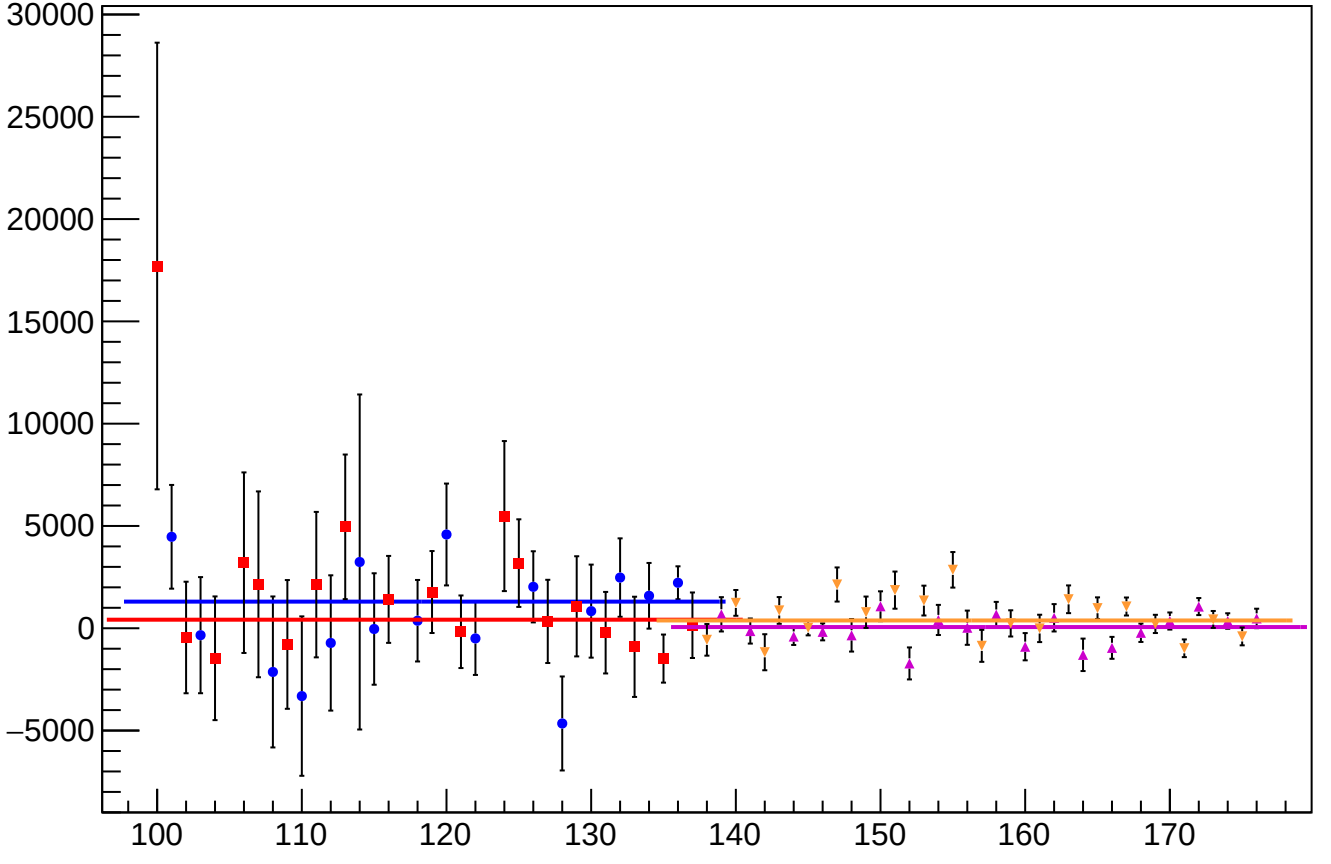
Left In: 465.404+/-0.088 χ^2/NDF:2462813.2/18

+ sign 523.984+/-0.086 χ^2/NDF: 9017017.2/35

All: 517.665+/-0.061 χ^2/NDF: 18677575.4/73

- sign 511.472+/-0.085 χ^2/NDF: 9649925.1/37

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 380.736+/-127.657 χ^2/NDF:47.4/19

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

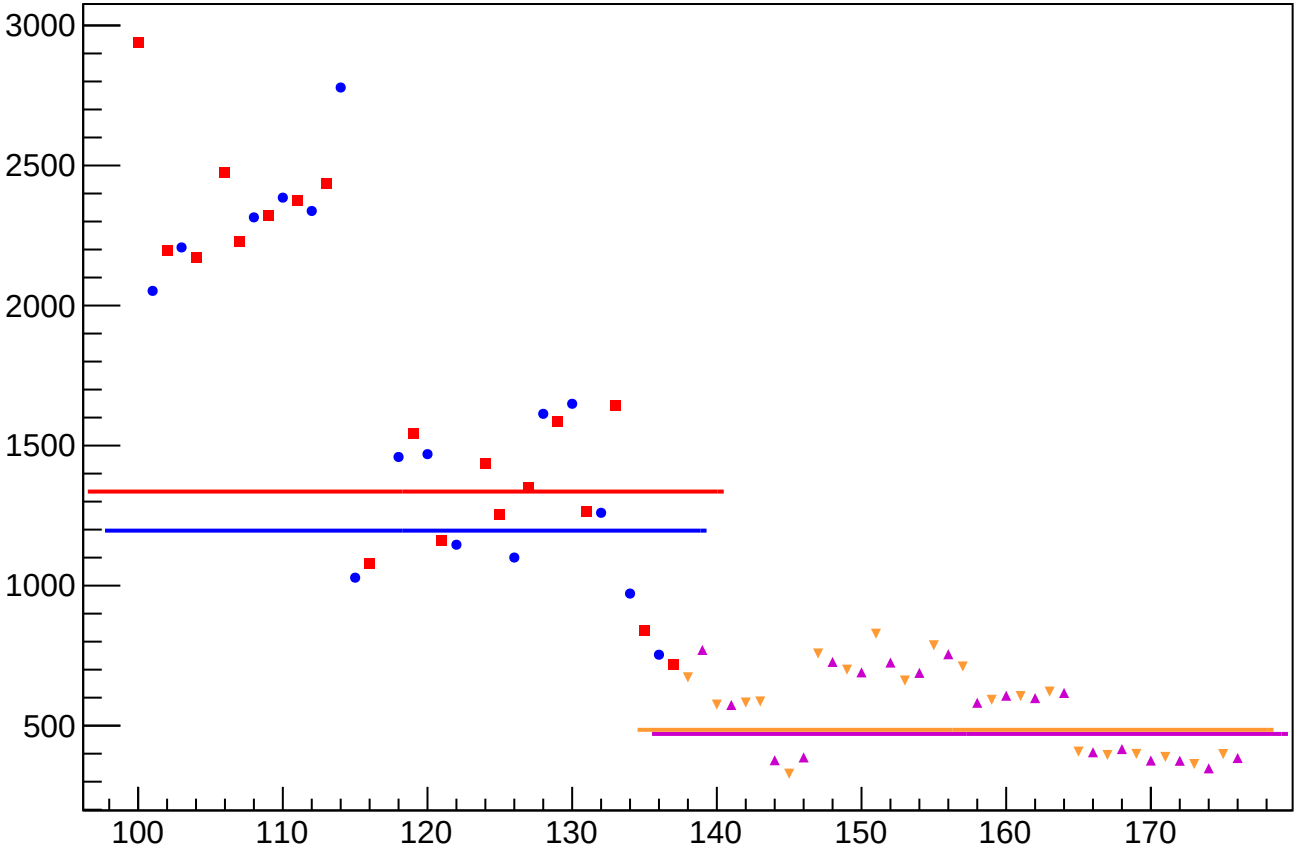
Left In: 58.591+/-124.937 χ^2/NDF:27.9/18

+ sign 441.107+/-123.402 χ^2/NDF: 67.3/35

All: 256.740+/-86.591 χ^2/NDF: 113.1/73

- sign 77.904+/-121.537 χ^2/NDF: 41.4/37

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 485.184+/-0.090 χ^2/NDF:2525491.0/19

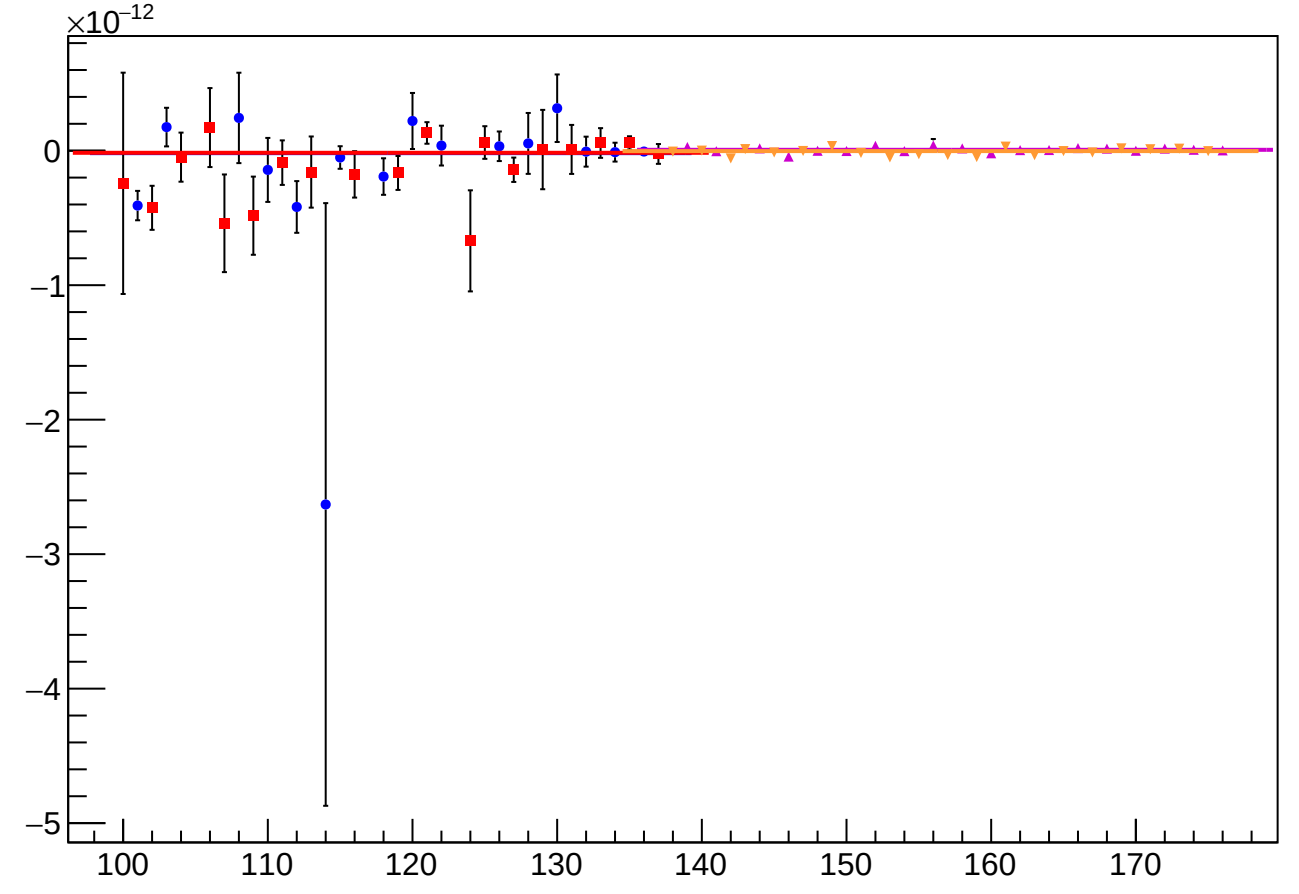
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 470.495+/-0.088 χ^2/NDF:2339779.2/18

+ sign 531.807+/-0.087 χ^2/NDF: 8626390.6/35

All: 524.268+/-0.061 χ^2/NDF: 18083383.7/73

- sign 516.954+/-0.086 χ^2/NDF: 9442285.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/19

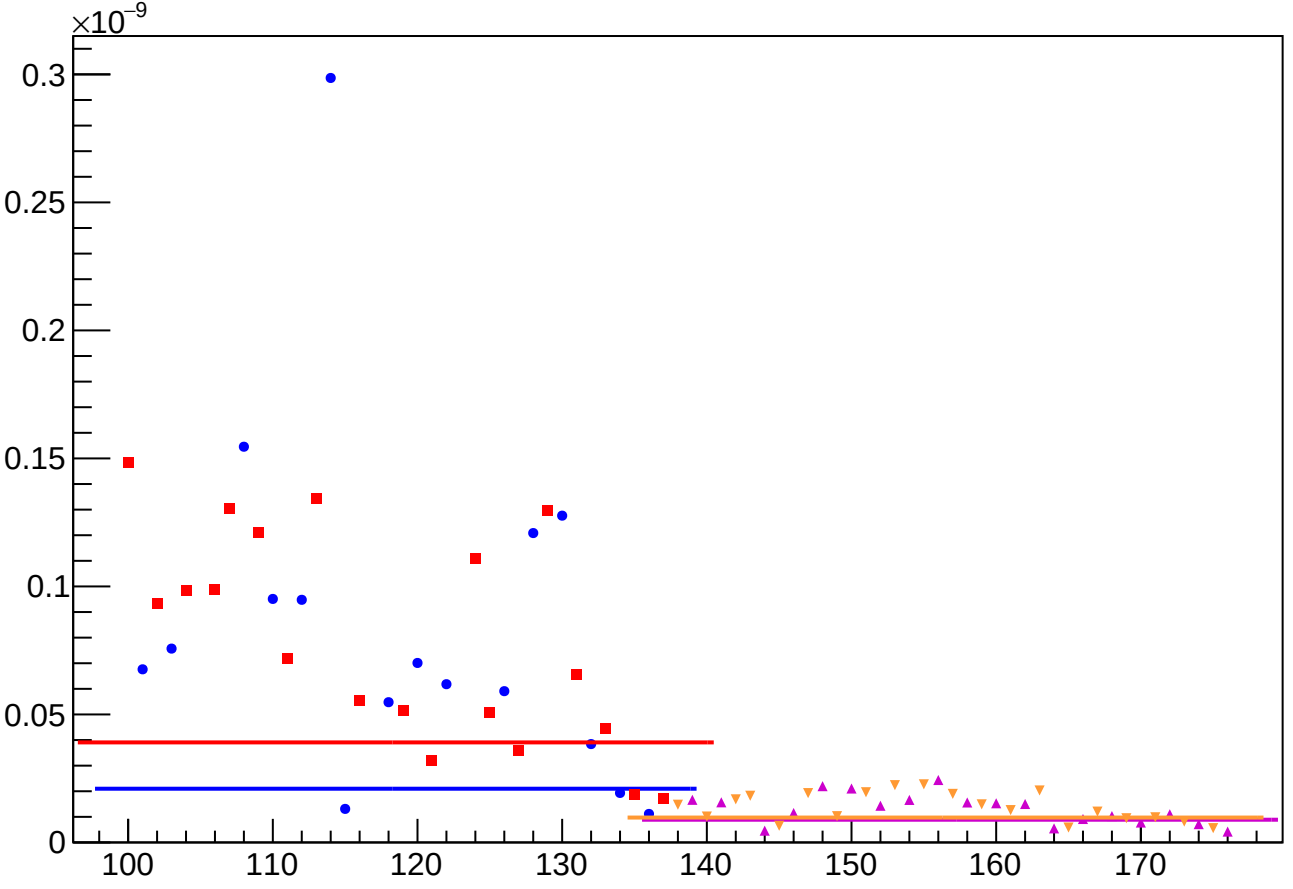
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/18

+ sign -0.000+/-0.000 χ^2/NDF: 46.4/35

All: 0.000+/-0.000 χ^2/NDF: 89.3/73

- sign 0.000+/-0.000 χ^2/NDF: 40.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2358404.8/19

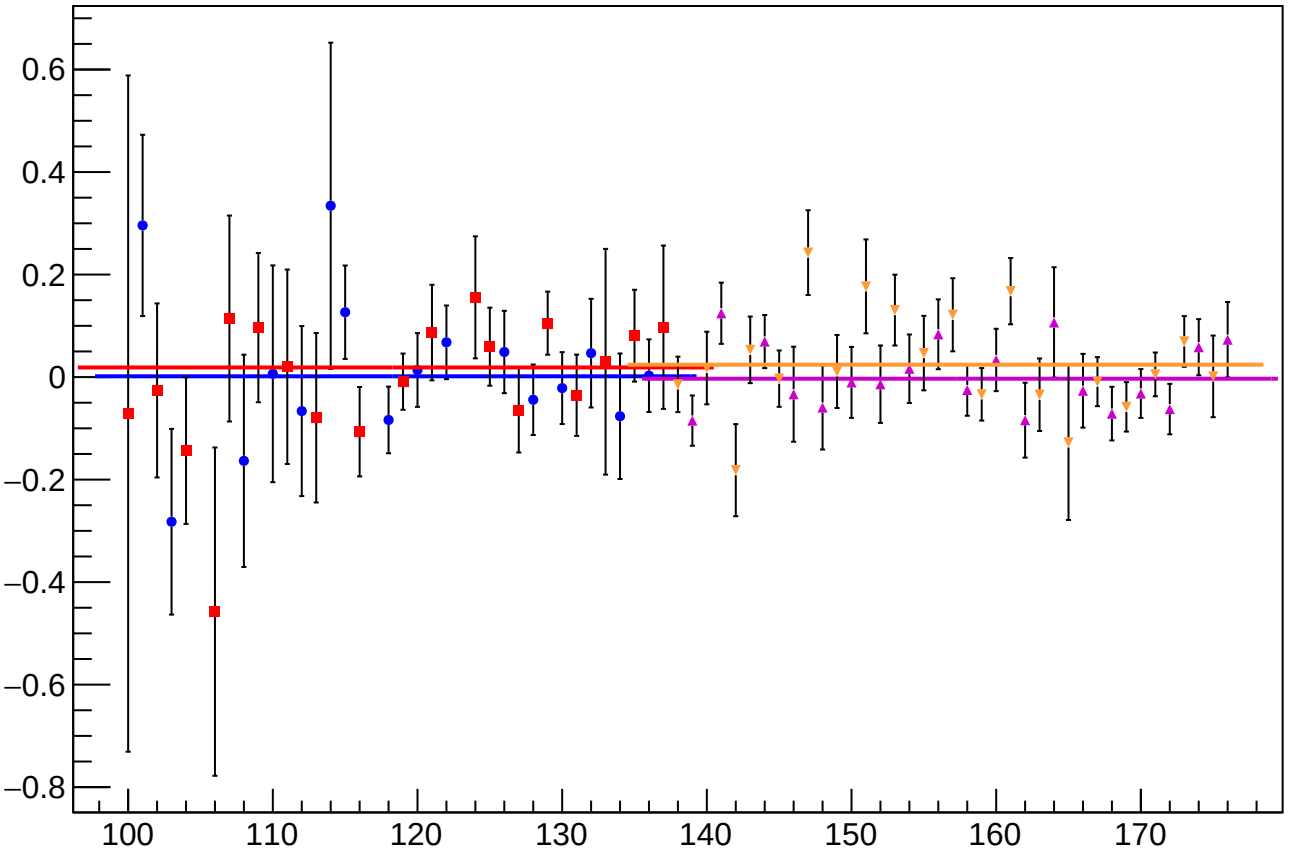
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2583039.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 6496731.4/35

All: 0.000+/-0.000 χ^2/NDF: 13530841.9/73

- sign 0.000+/-0.000 χ^2/NDF: 7000783.6/37



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.014 χ^2/NDF:32.7/19

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

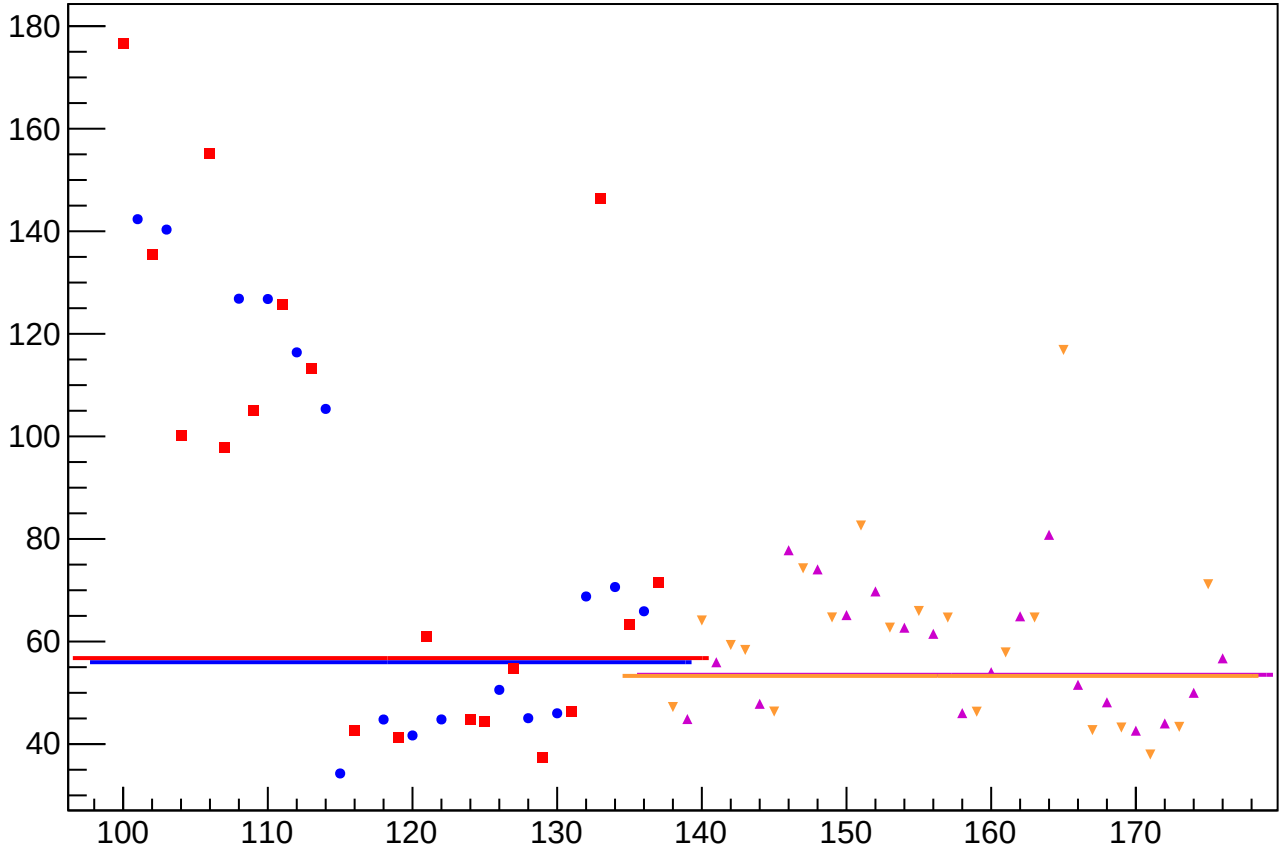
Left In: -0.003+/-0.014 χ^2/NDF:20.4/18

+ sign 0.018+/-0.012 χ^2/NDF: 46.5/35

All: 0.011+/-0.009 χ^2/NDF: 81.5/73

- sign 0.003+/-0.012 χ^2/NDF: 34.1/37

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: 53.301+/-0.010 χ^2/NDF:1734681.4/19

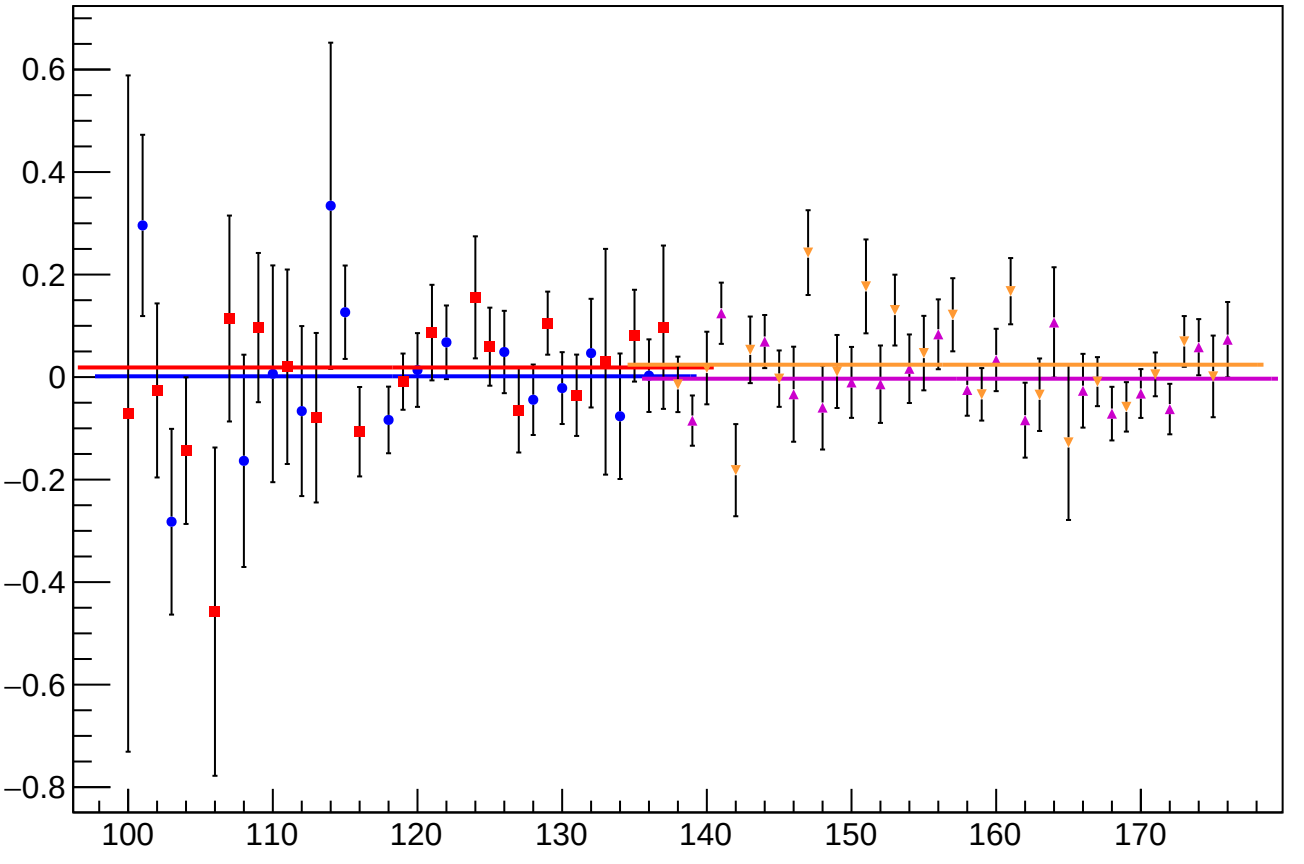
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.514+/-0.010 χ^2/NDF:1001576.7/18

+ sign 54.000+/-0.008 χ^2/NDF: 3933652.5/35

All: 54.186+/-0.006 χ^2/NDF: 7517622.9/73

- sign 54.376+/-0.009 χ^2/NDF: 3582997.3/37



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.014 χ^2/NDF:32.7/19

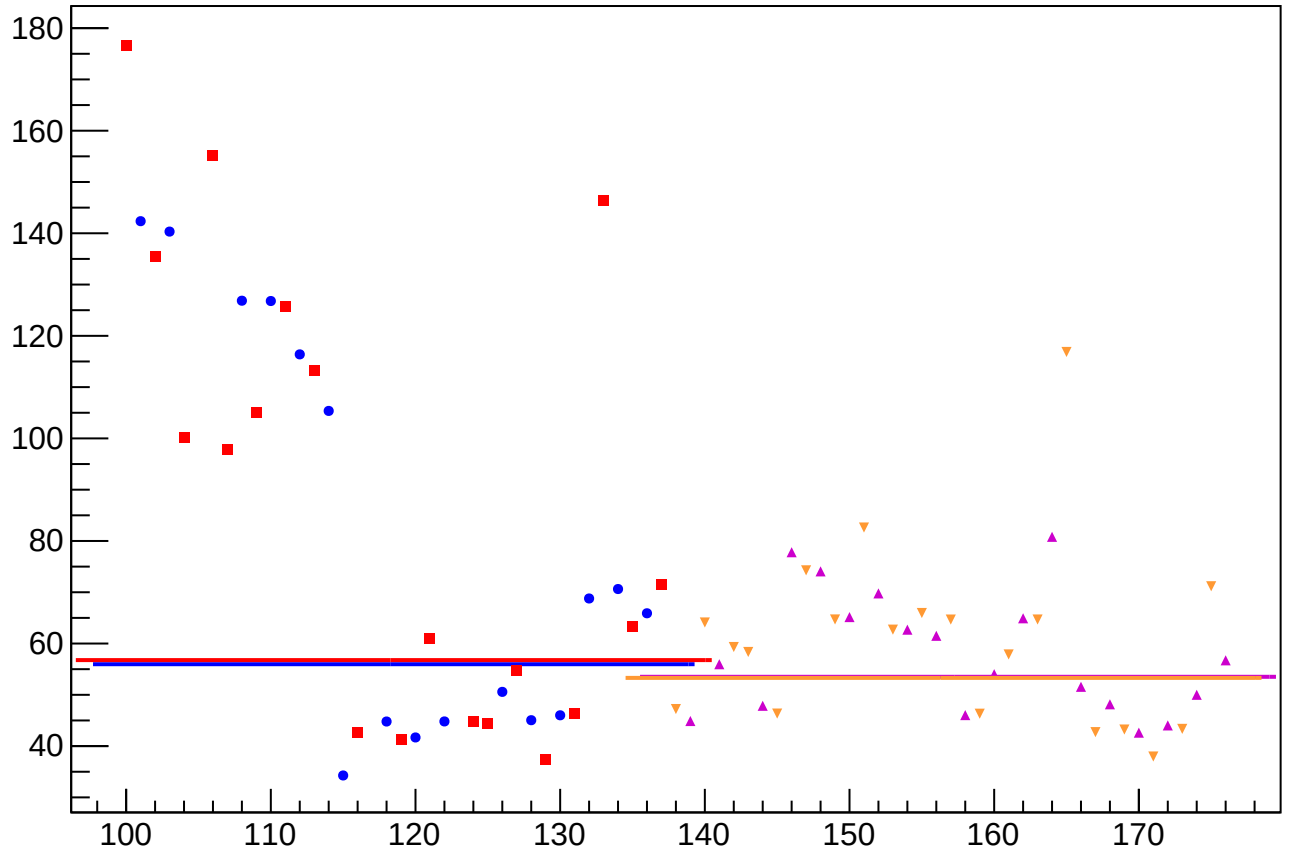
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.003+/-0.014 χ^2/NDF:20.4/18

+ sign 0.018+/-0.012 χ^2/NDF: 46.5/35

All: 0.011+/-0.009 χ^2/NDF: 81.5/73

- sign 0.003+/-0.012 χ^2/NDF: 34.1/37



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.301+/-0.010 χ^2/NDF:1734681.4/19

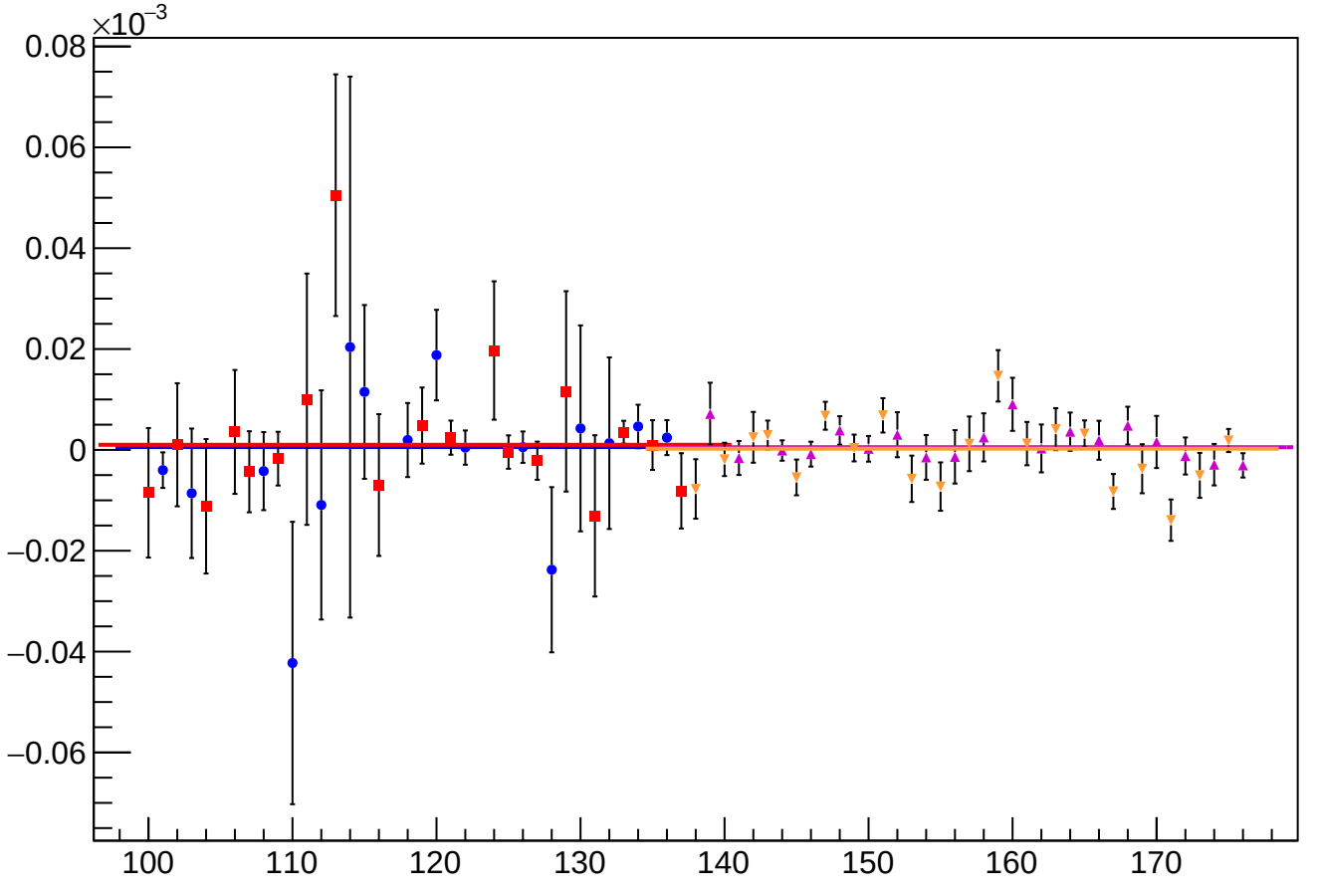
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.514+/-0.010 χ^2/NDF:1001576.7/18

+ sign 54.000+/-0.008 χ^2/NDF: 3933652.5/35

All: 54.186+/-0.006 χ^2/NDF: 7517622.9/73

- sign 54.376+/-0.009 χ^2/NDF: 3582997.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.2/19

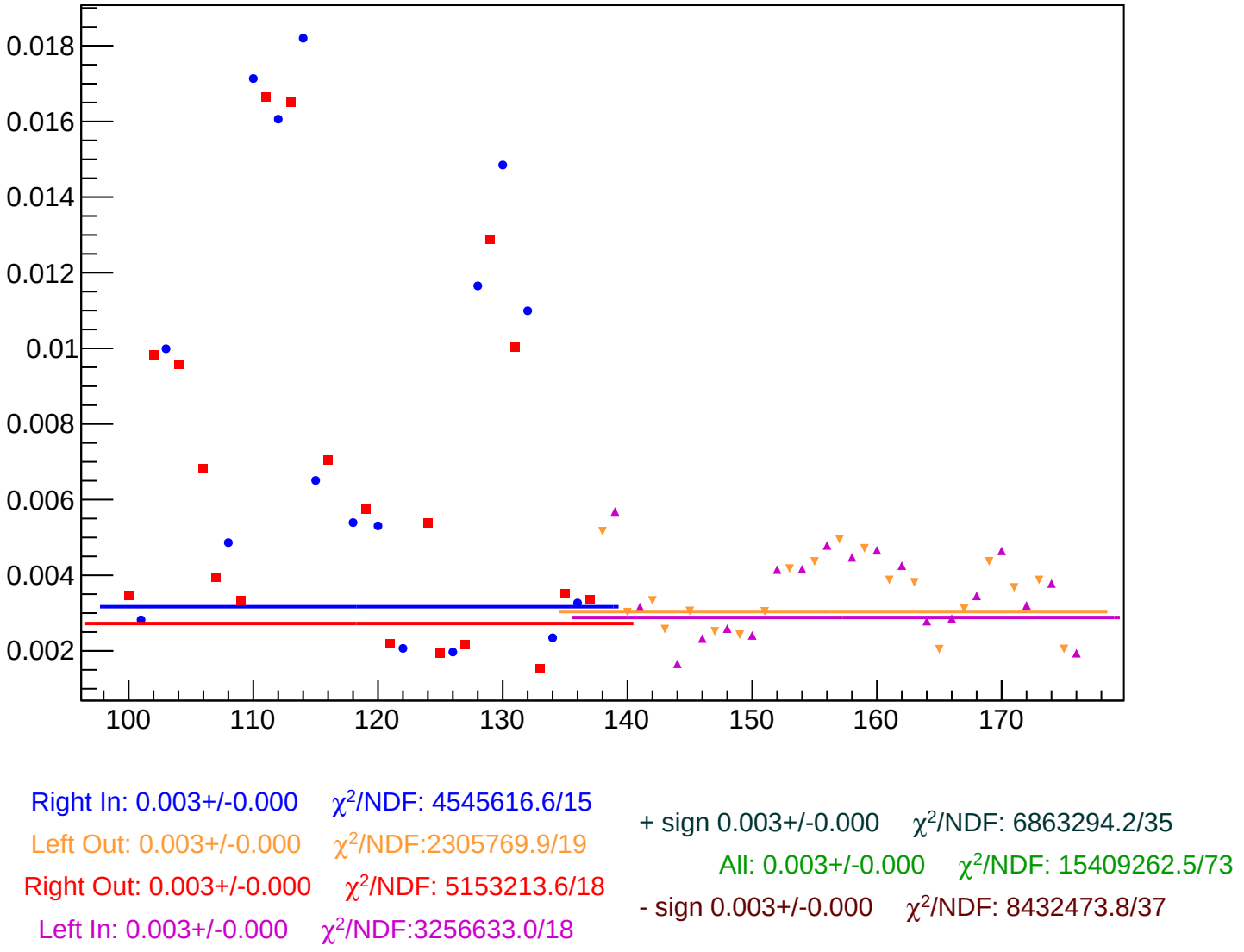
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

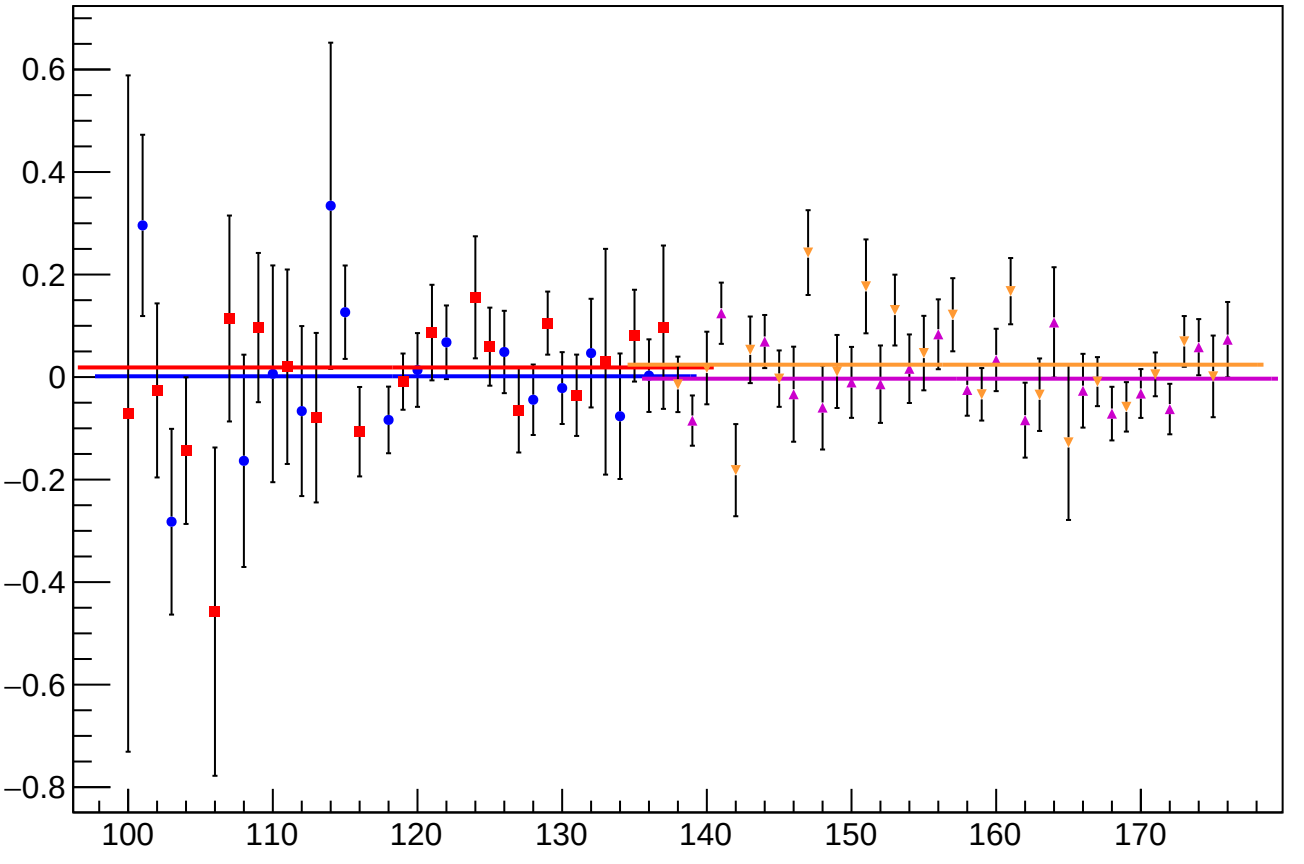
Left In: 0.000+/-0.000 χ^2/NDF:12.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 63.5/35

All: 0.000+/-0.000 χ^2/NDF: 89.6/73

- sign 0.000+/-0.000 χ^2/NDF: 26.0/37


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:2305769.9/19
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.003+/-0.000 χ²/NDF:3256633.0/18
+ sign 0.003+/-0.000 χ²/NDF: 6863294.2/35
All: 0.003+/-0.000 χ²/NDF: 15409262.5/73
- sign 0.003+/-0.000 χ²/NDF: 8432473.8/37



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.014 χ^2/NDF:32.7/19

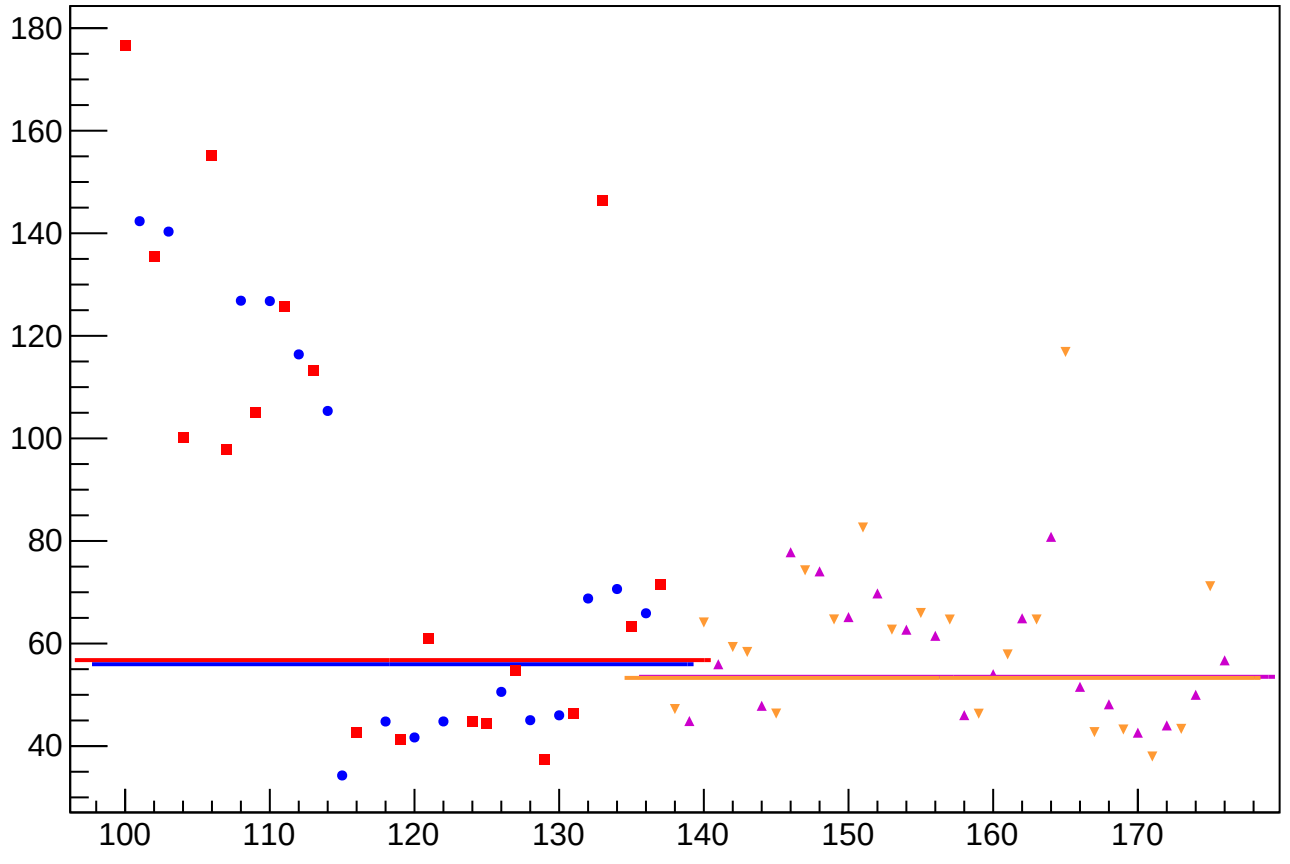
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.003+/-0.014 χ^2/NDF:20.4/18

+ sign 0.018+/-0.012 χ^2/NDF: 46.5/35

All: 0.011+/-0.009 χ^2/NDF: 81.5/73

- sign 0.003+/-0.012 χ^2/NDF: 34.1/37



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.302+/-0.010 χ^2/NDF:1734667.6/19

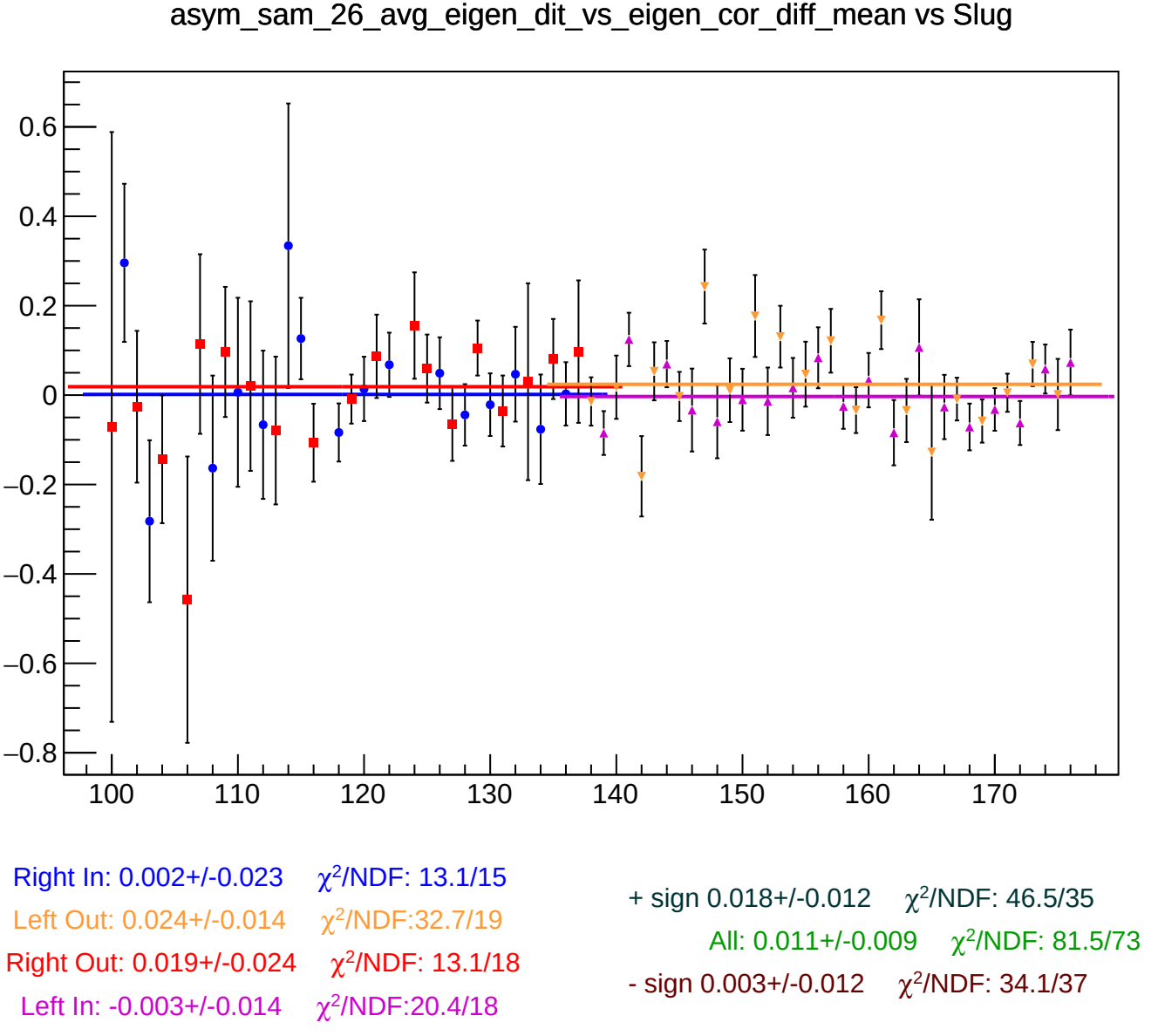
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

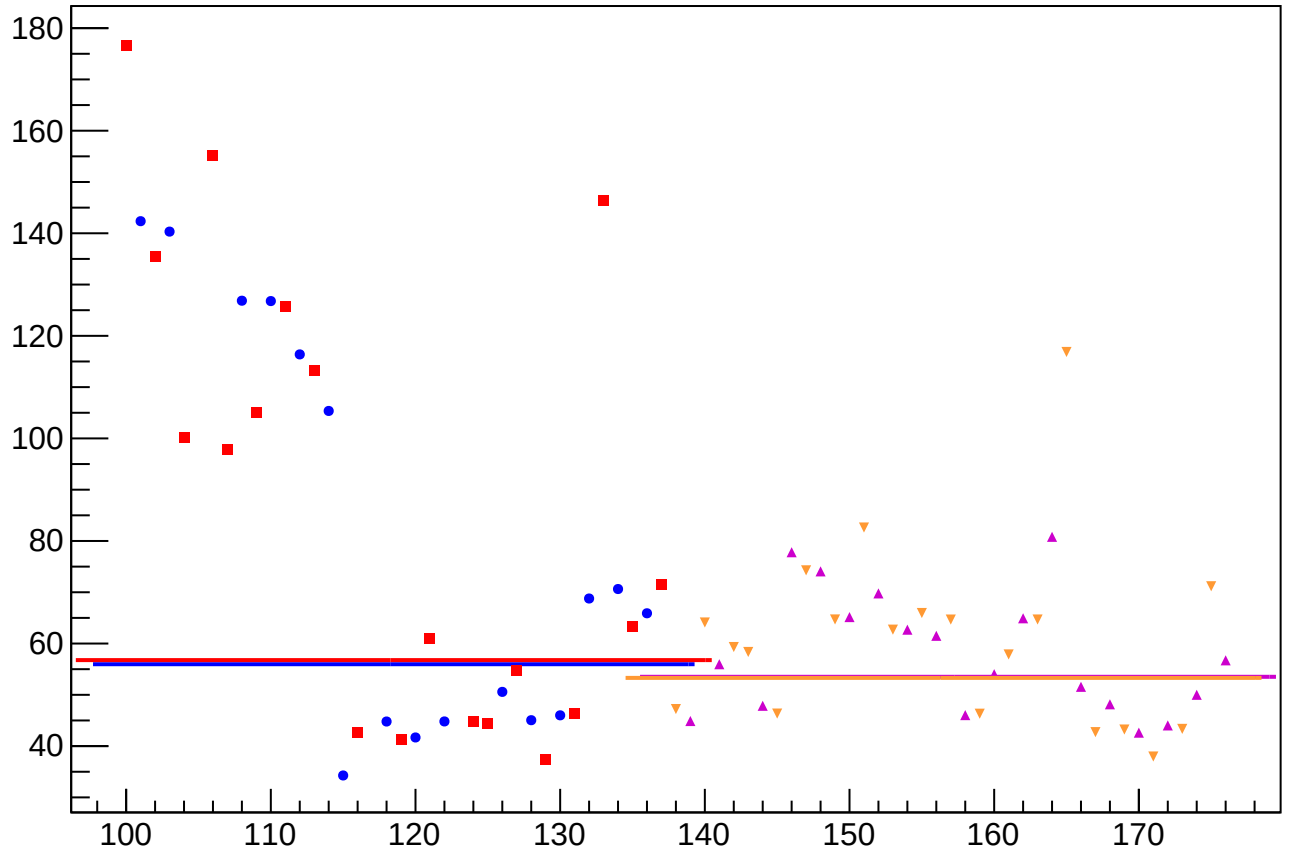
Left In: 53.515+/-0.010 χ^2/NDF:1001551.9/18

\+ sign 54.000+/-0.008 χ^2/NDF: 3933556.1/35

All: 54.187+/-0.006 χ^2/NDF: 7517427.0/73

\- sign 54.376+/-0.009 χ^2/NDF: 3582897.4/37


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
160
170
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.024+/-0.014 χ²/NDF:32.7/19
Right Out: 0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.003+/-0.014 χ²/NDF:20.4/18
+ sign 0.018+/-0.012 χ²/NDF: 46.5/35
All: 0.011+/-0.009 χ²/NDF: 81.5/73
- sign 0.003+/-0.012 χ²/NDF: 34.1/37



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.302+/-0.010 χ^2/NDF:1734667.6/19

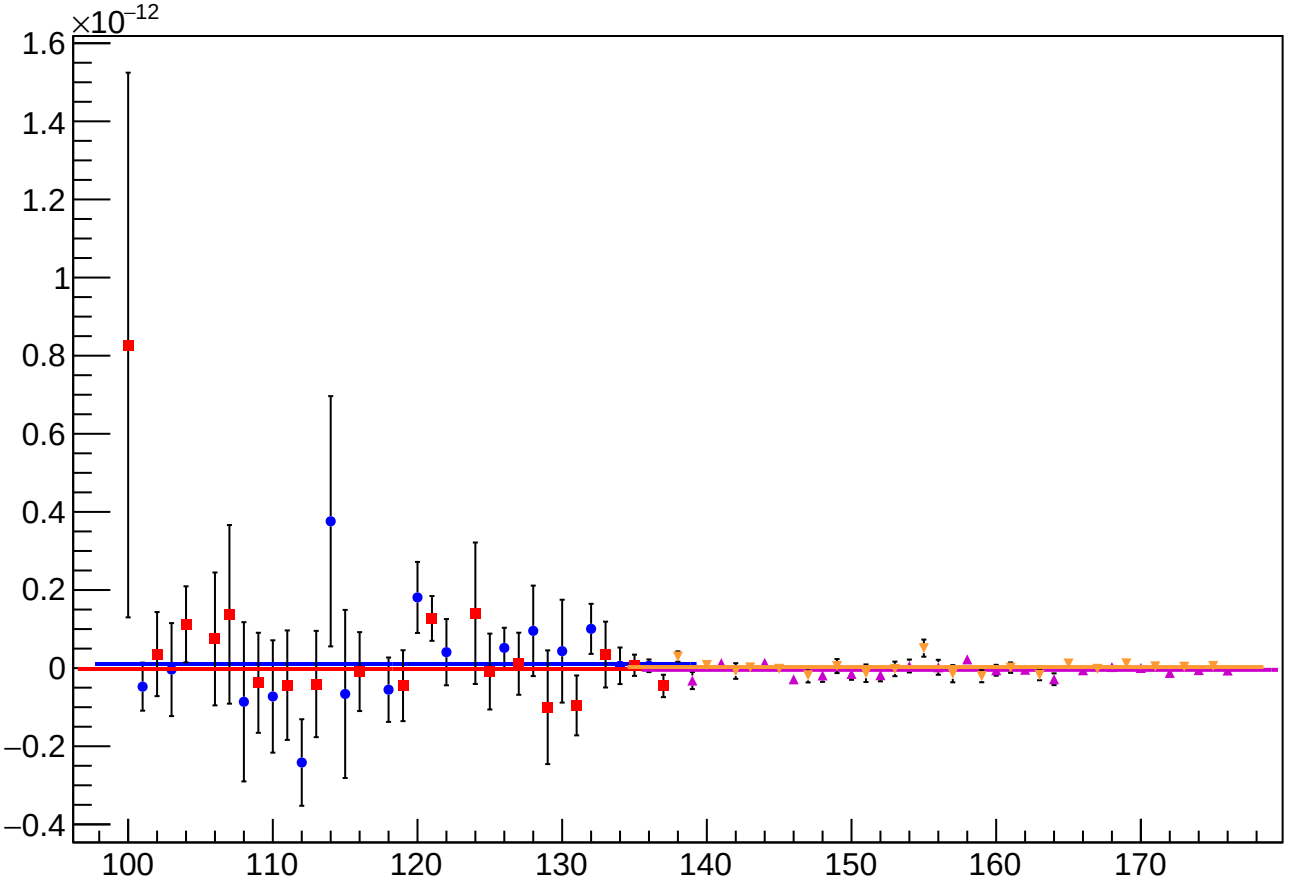
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.515+/-0.010 χ^2/NDF:1001551.9/18

\+ sign 54.000+/-0.008 χ^2/NDF: 3933556.1/35

All: 54.187+/-0.006 χ^2/NDF: 7517427.0/73

\- sign 54.376+/-0.009 χ^2/NDF: 3582897.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/19

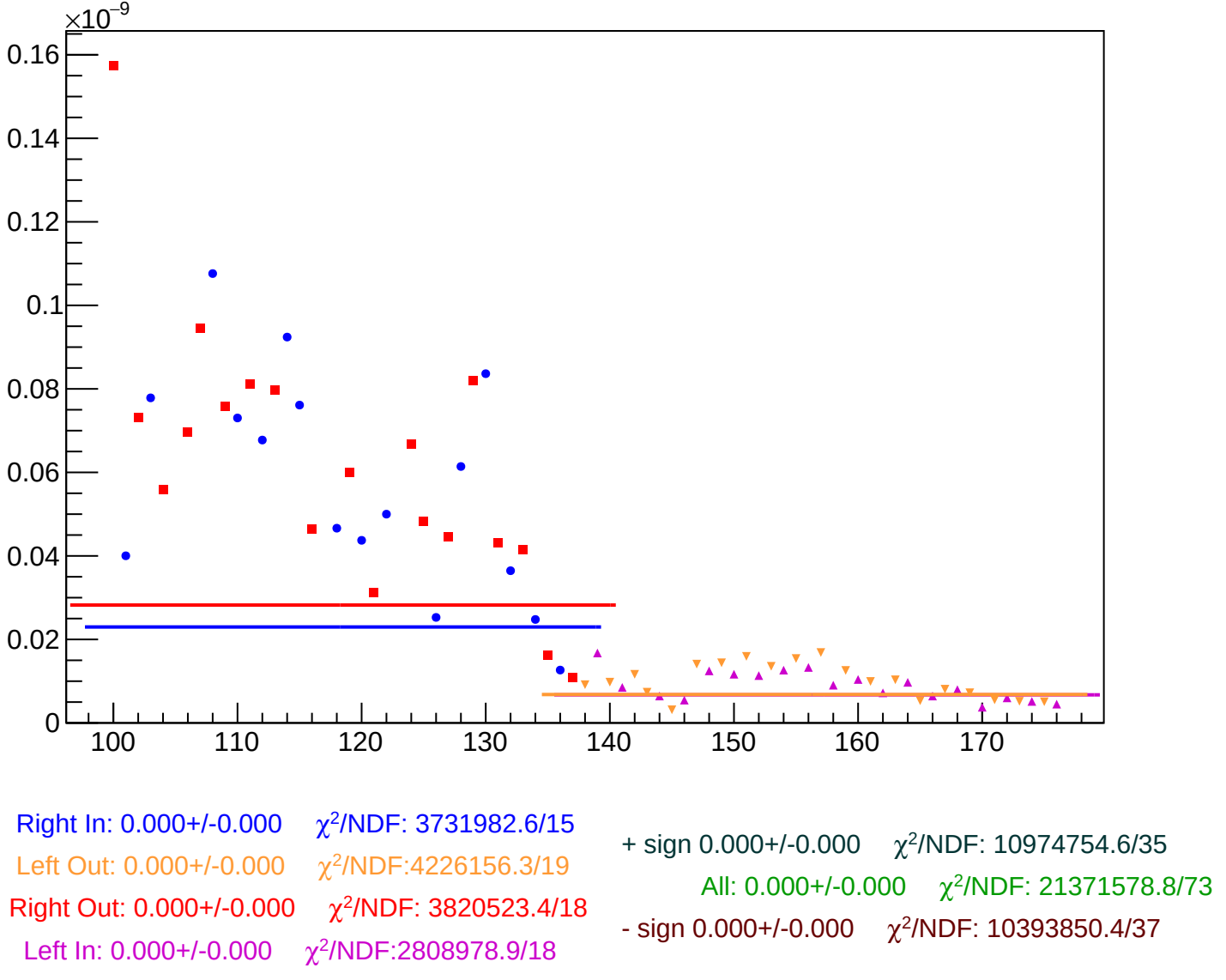
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:29.5/18

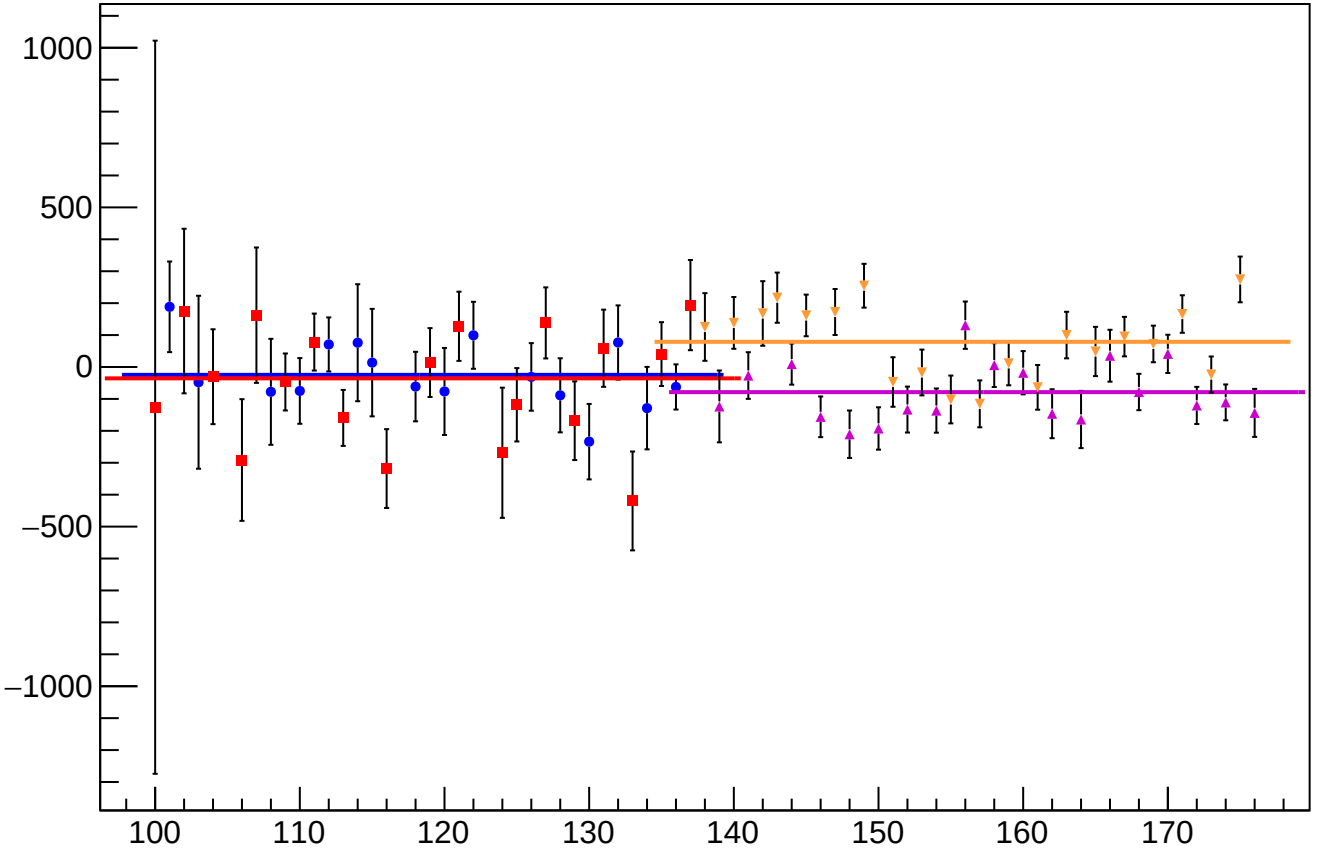
+ sign 0.000+/-0.000 χ^2/NDF: 35.7/35

All: -0.000+/-0.000 χ^2/NDF: 84.8/73

- sign -0.000+/-0.000 χ^2/NDF: 43.8/37


asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3731982.6/15
Left Out: 0.000+/-0.000 χ²/NDF:4226156.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 3820523.4/18
Left In: 0.000+/-0.000 χ²/NDF:2808978.9/18
+ sign 0.000+/-0.000 χ²/NDF: 10974754.6/35
All: 0.000+/-0.000 χ²/NDF: 21371578.8/73
- sign 0.000+/-0.000 χ²/NDF: 10393850.4/37

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.893+/-15.810 χ^2/NDF:50.0/19

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

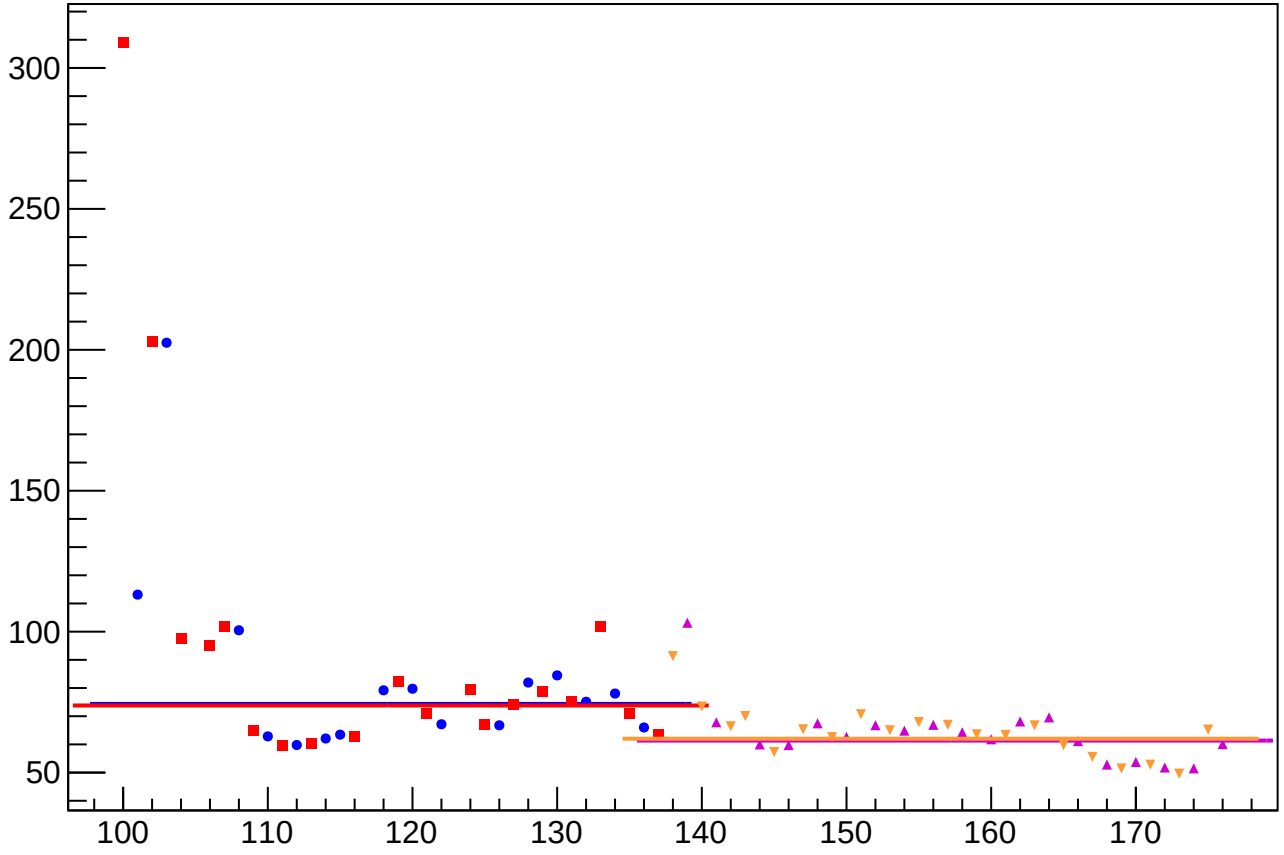
Left In: -78.742+/-15.815 χ^2/NDF:30.9/18

+ sign 55.063+/-13.872 χ^2/NDF: 70.9/35

All: -6.961+/-9.792 χ^2/NDF: 173.6/73

- sign -68.556+/-13.824 χ^2/NDF: 62.8/37

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 62.020+/-0.011 χ^2/NDF:533574.9/19

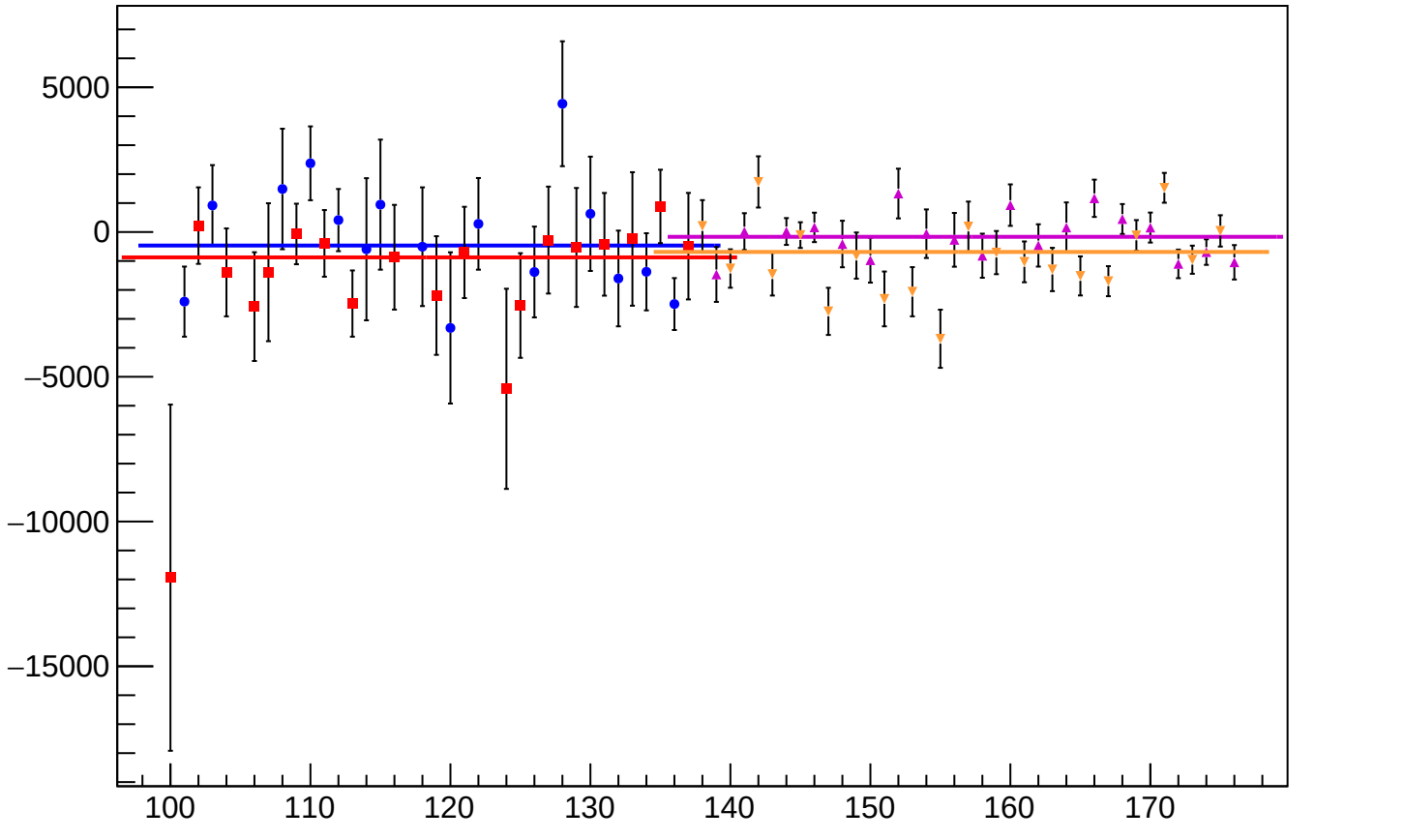
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.358+/-0.011 χ^2/NDF:565595.6/18

+ sign 64.862+/-0.010 χ^2/NDF: 1642040.7/35

All: 64.579+/-0.007 χ^2/NDF: 3434068.0/73

- sign 64.298+/-0.010 χ^2/NDF: 1790368.7/37



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -687.540+/-147.230 χ^2/NDF:61.9/19

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

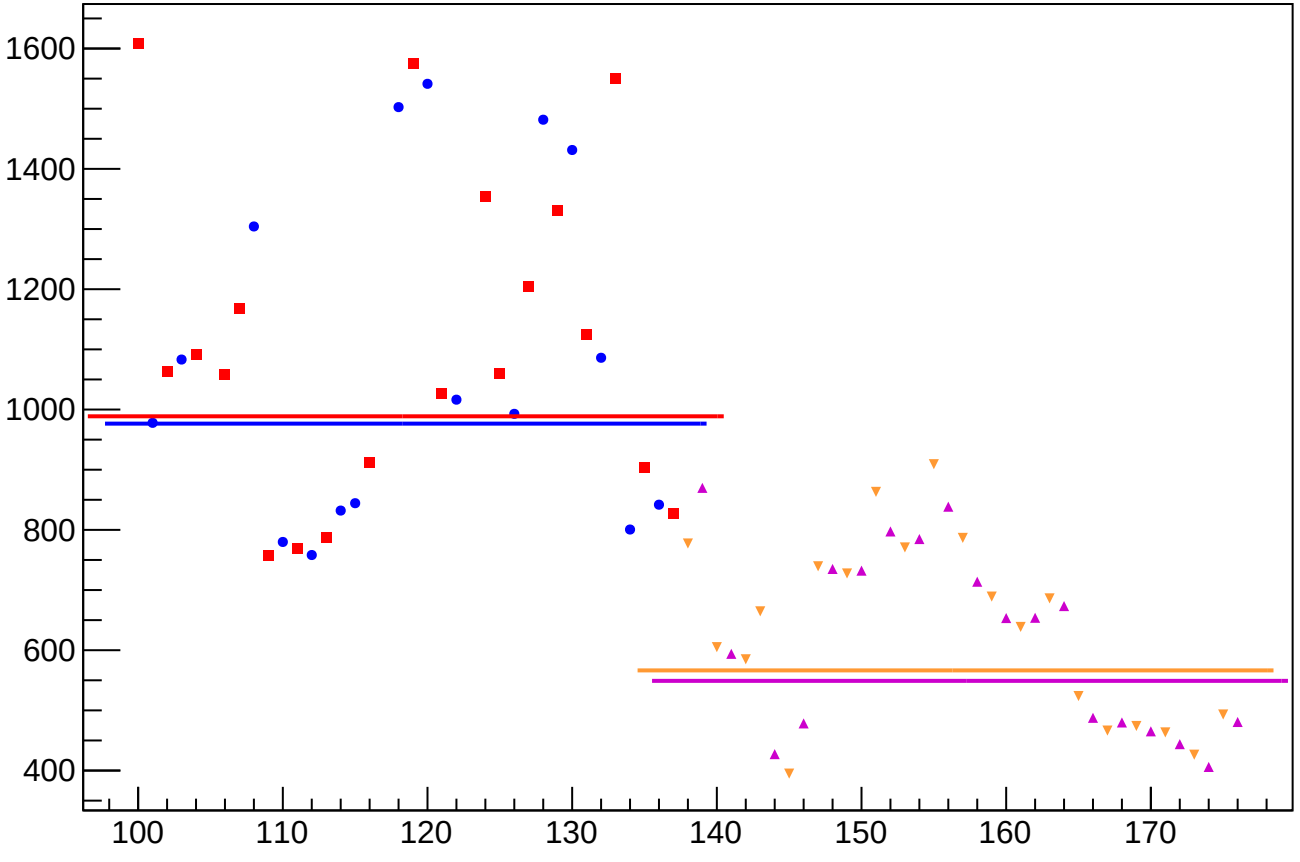
Left In: -165.381+/-144.197 χ^2/NDF:23.4/18

+ sign -658.026+/-137.048 χ^2/NDF: 85.9/35

All: -454.211+/-95.980 χ^2/NDF: 129.8/73

- sign -258.019+/-134.460 χ^2/NDF: 39.6/37

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 566.451+/-0.104 χ^2/NDF:1853095.3/19

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

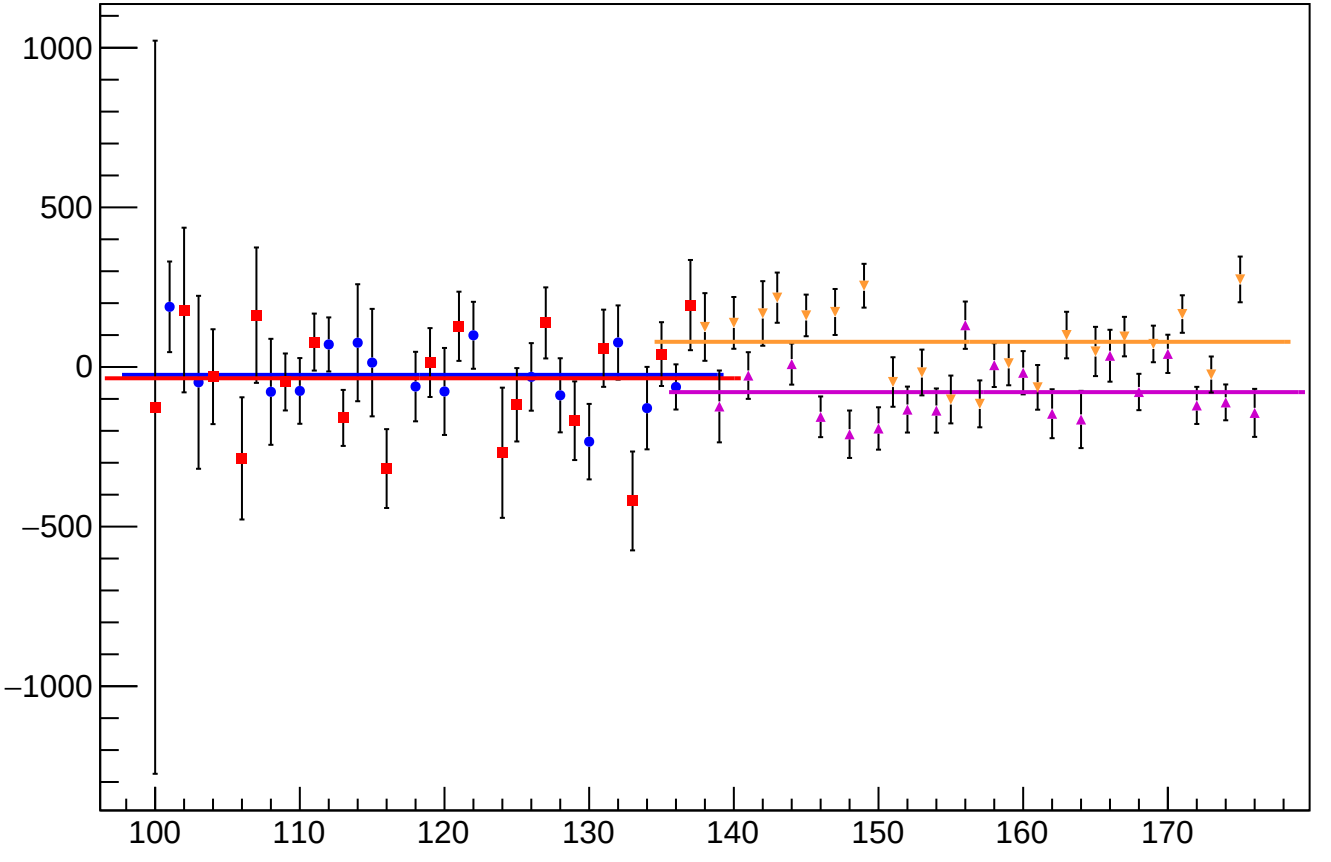
Left In: 549.064+/-0.102 χ^2/NDF:1806328.9/18

+ sign 621.220+/-0.097 χ^2/NDF: 4662194.5/35

All: 613.687+/-0.068 χ^2/NDF: 9622564.7/73

- sign 606.436+/-0.095 χ^2/NDF: 4948512.7/37

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.895+/-15.810 χ^2/NDF:50.1/19

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

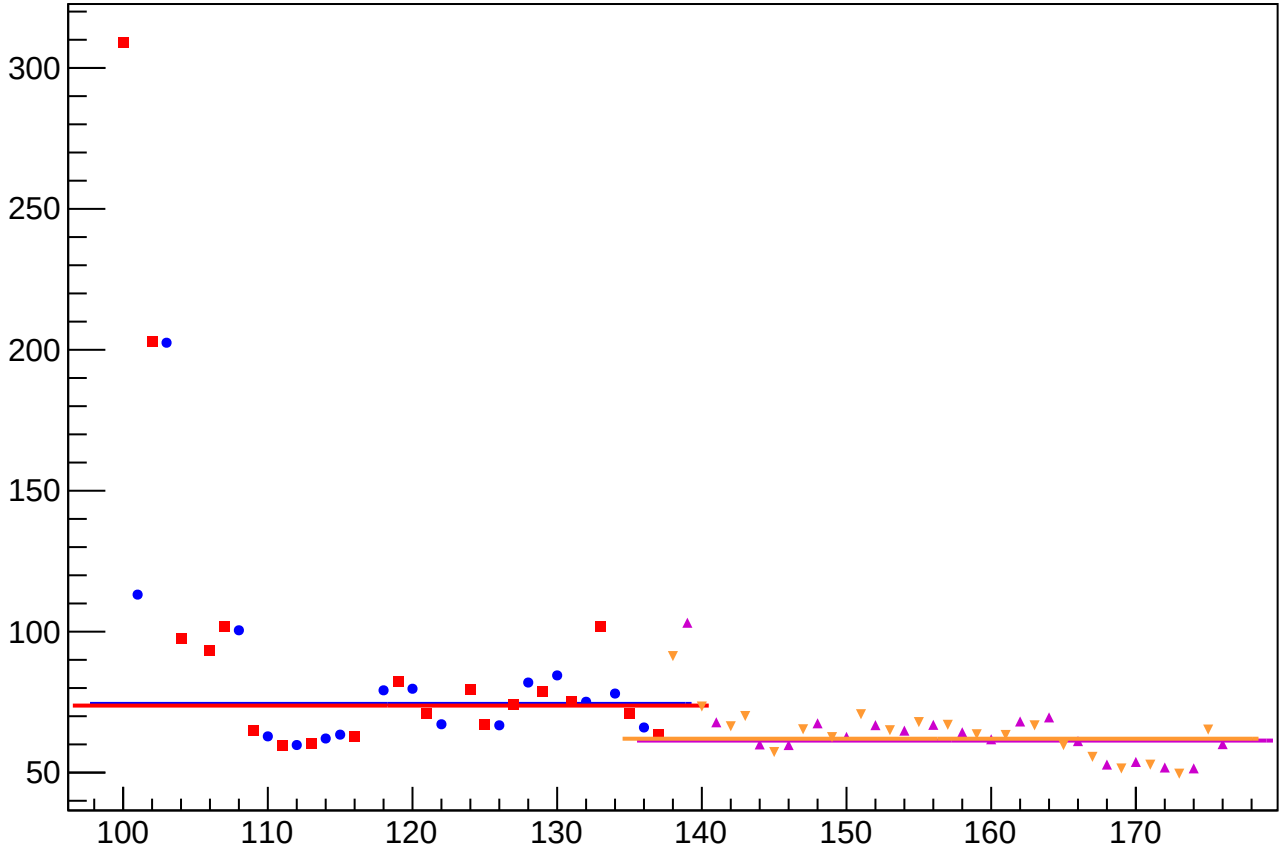
Left In: -78.741+/-15.815 χ^2/NDF:30.9/18

+ sign 55.063+/-13.872 χ^2/NDF: 70.9/35

All: -6.936+/-9.792 χ^2/NDF: 173.5/73

- sign -68.509+/-13.824 χ^2/NDF: 62.7/37

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.020+/-0.011 χ^2/NDF:533574.9/19

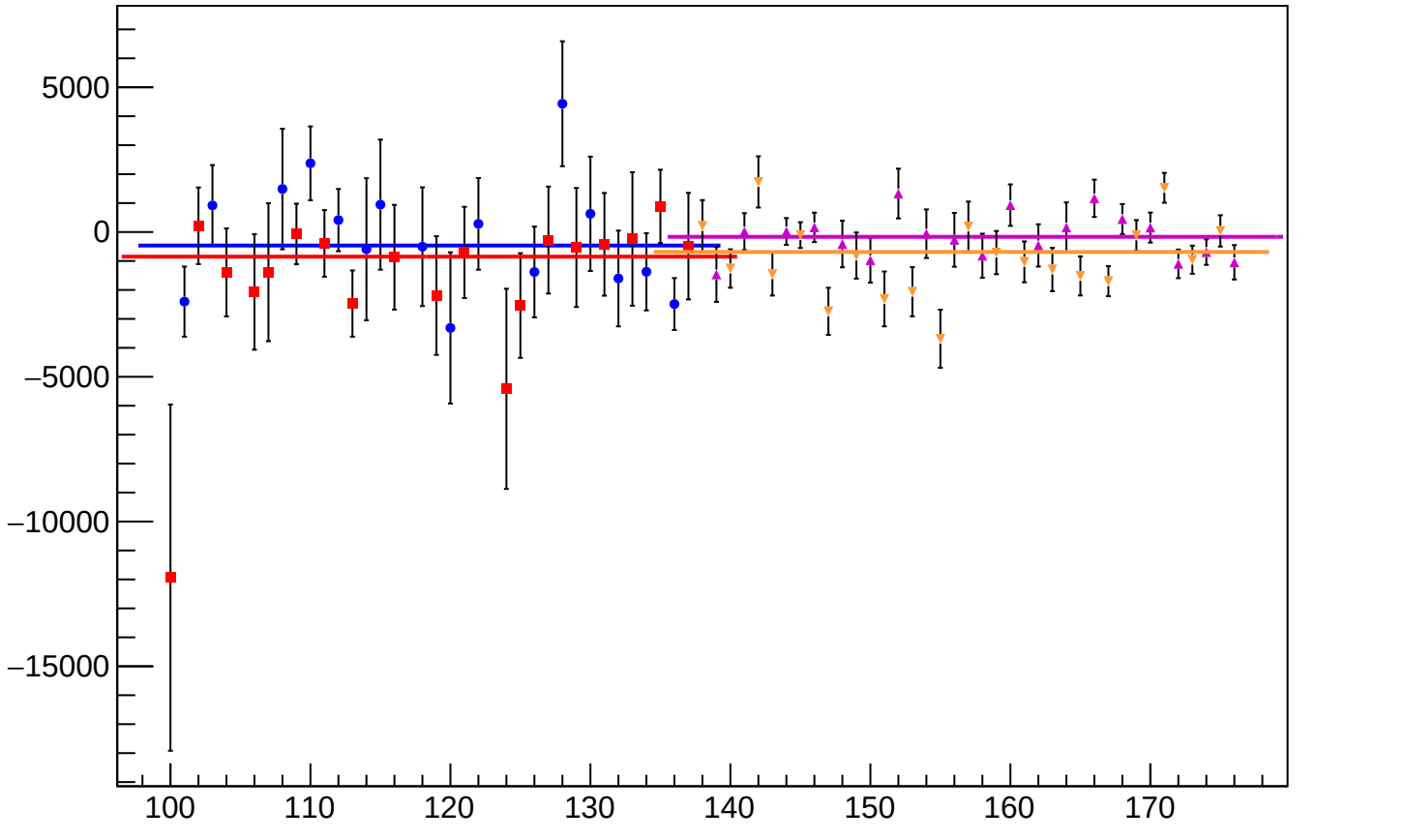
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.358+/-0.011 χ^2/NDF:565595.6/18

+ sign 64.862+/-0.010 χ^2/NDF: 1642042.5/35

All: 64.574+/-0.007 χ^2/NDF: 3428336.2/73

- sign 64.288+/-0.010 χ^2/NDF: 1784573.7/37



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -687.538+/-147.230 χ^2/NDF:61.9/19

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

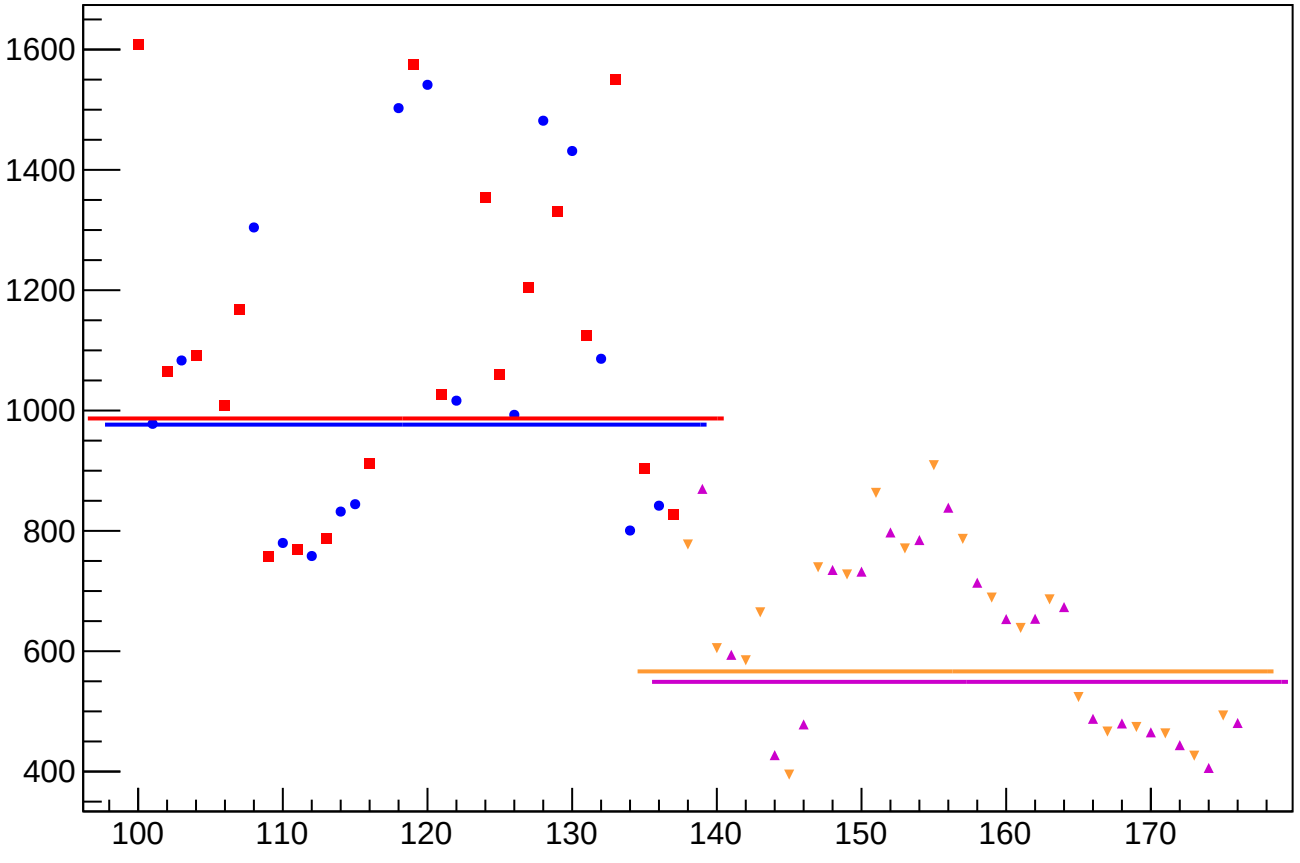
Left In: -165.380+/-144.197 χ^2/NDF:23.4/18

+ sign -658.022+/-137.048 χ^2/NDF: 85.9/35

All: -452.452+/-95.994 χ^2/NDF: 129.2/73

- sign -254.453+/-134.501 χ^2/NDF: 38.9/37

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 566.450+/-0.104 χ^2/NDF:1853096.9/19

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

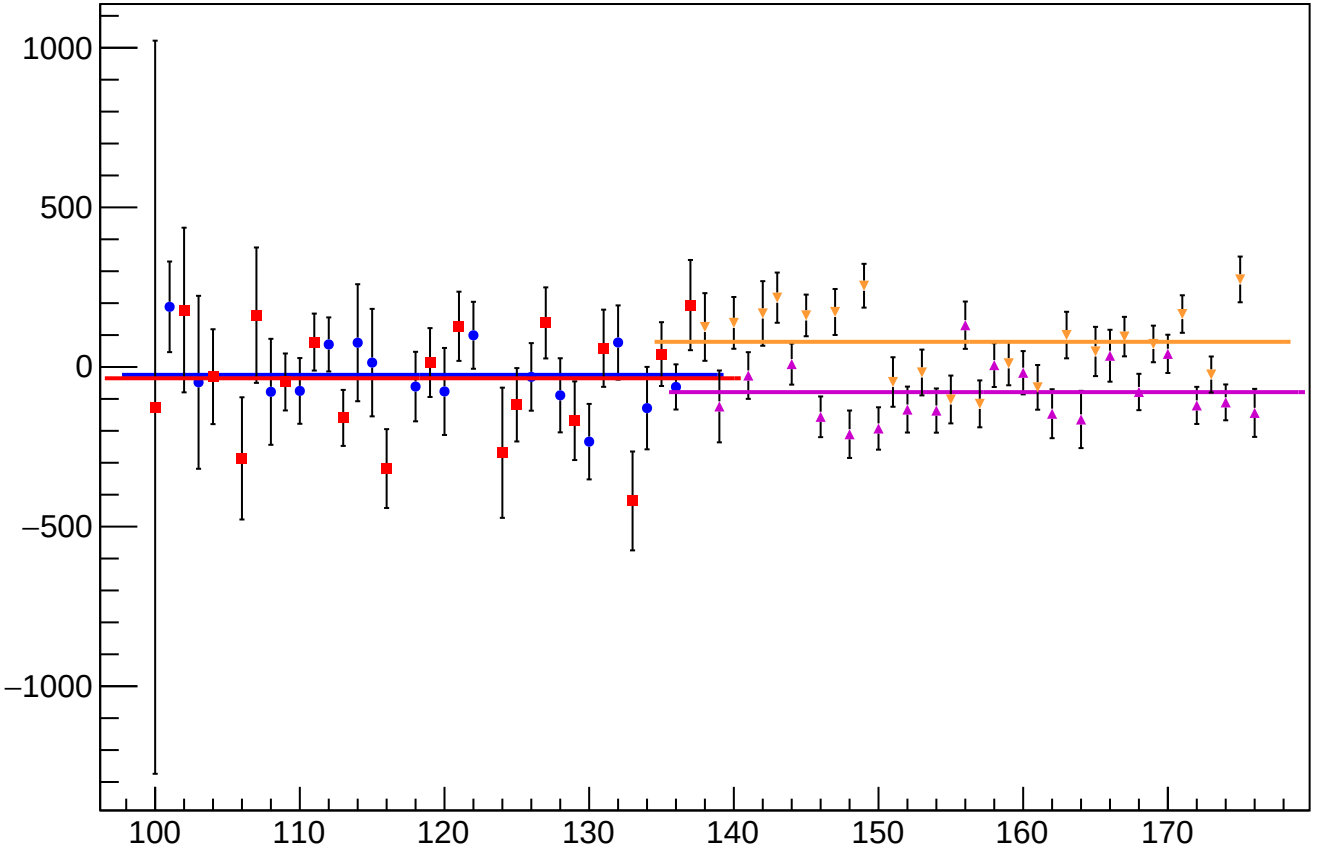
Left In: 549.064+/-0.102 χ^2/NDF:1806330.2/18

+ sign 621.220+/-0.097 χ^2/NDF: 4662257.0/35

All: 613.445+/-0.068 χ^2/NDF: 9590096.5/73

- sign 605.956+/-0.095 χ^2/NDF: 4915203.1/37

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.895+/-15.810 χ^2/NDF:50.1/19

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

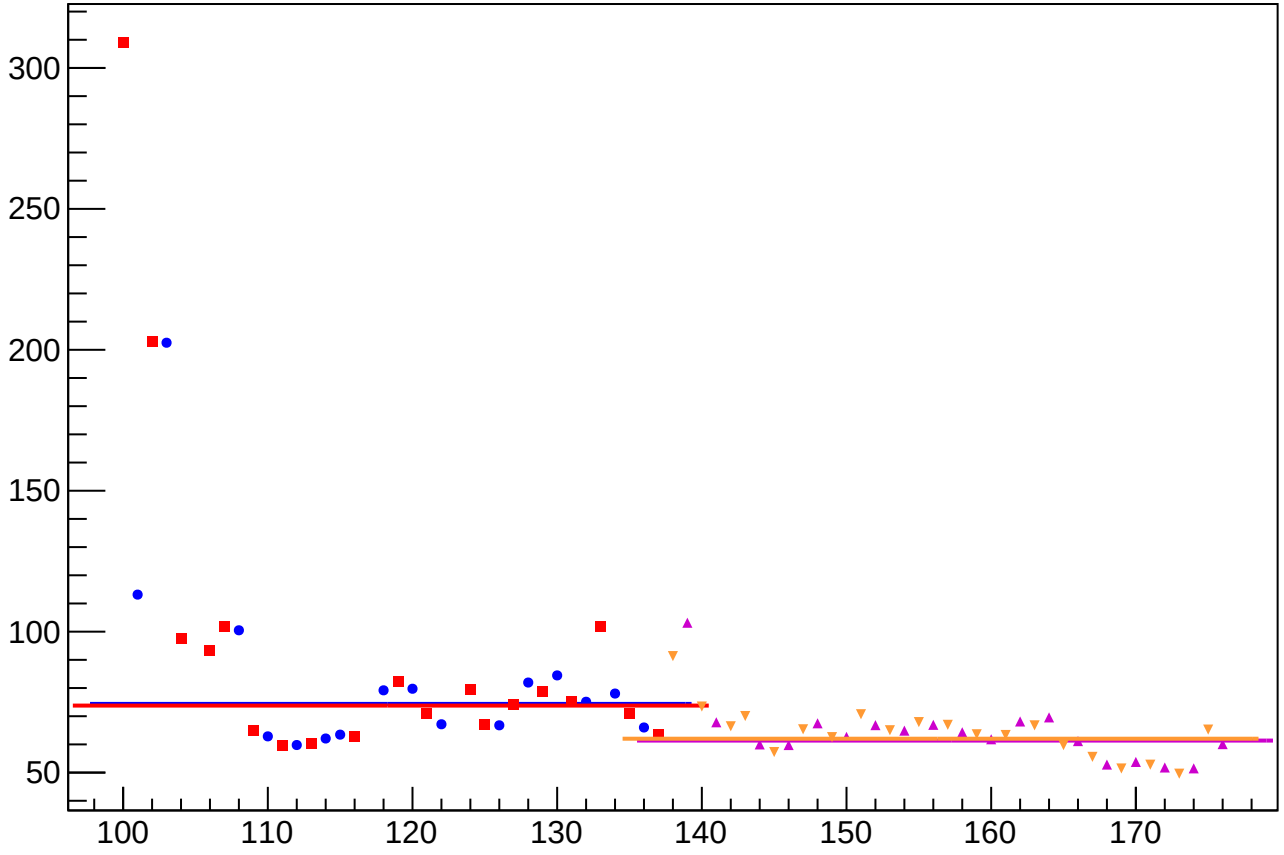
Left In: -78.741+/-15.815 χ^2/NDF:30.9/18

+ sign 55.063+/-13.872 χ^2/NDF: 70.9/35

All: -6.936+/-9.792 χ^2/NDF: 173.5/73

- sign -68.509+/-13.824 χ^2/NDF: 62.7/37

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.020+/-0.011 χ^2/NDF:533574.9/19

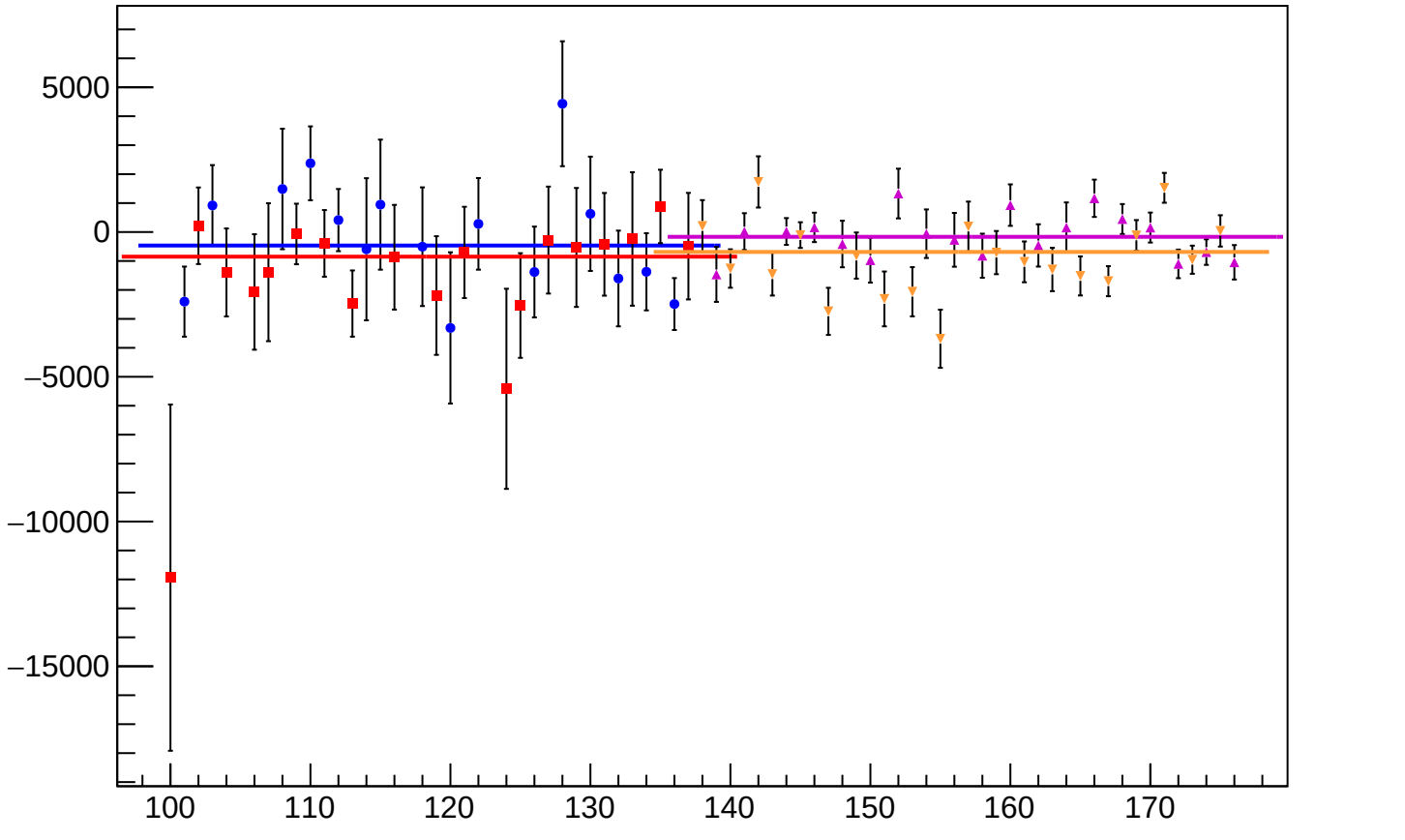
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.358+/-0.011 χ^2/NDF:565595.6/18

+ sign 64.862+/-0.010 χ^2/NDF: 1642042.5/35

All: 64.574+/-0.007 χ^2/NDF: 3428336.2/73

- sign 64.288+/-0.010 χ^2/NDF: 1784573.7/37



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -687.538+/-147.230 χ^2/NDF:61.9/19

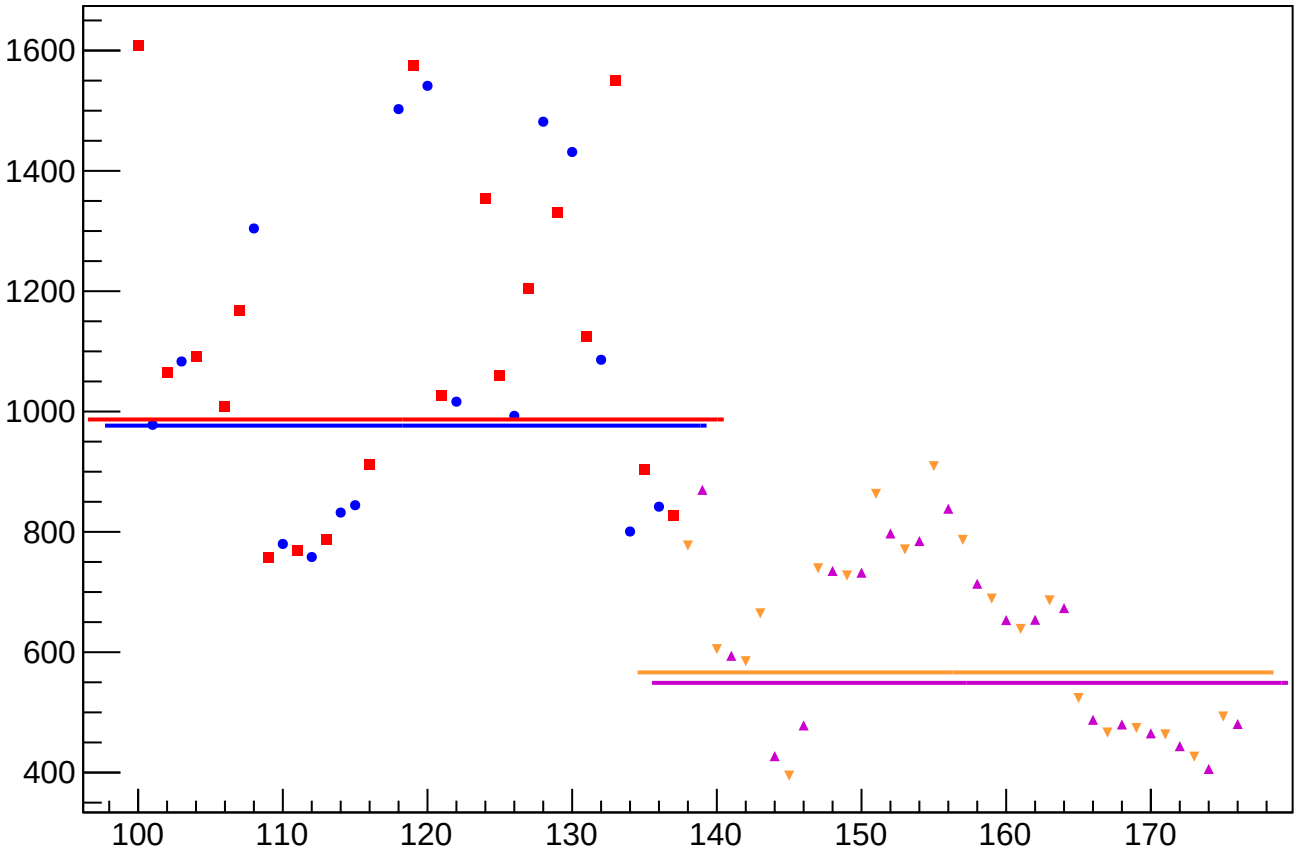
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -165.380+/-144.197 χ^2/NDF:23.4/18

+ sign -658.022+/-137.048 χ^2/NDF: 85.9/35

All: -452.452+/-95.994 χ^2/NDF: 129.2/73

- sign -254.453+/-134.501 χ^2/NDF: 38.9/37



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 566.450+/-0.104 χ^2/NDF:1853096.9/19

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

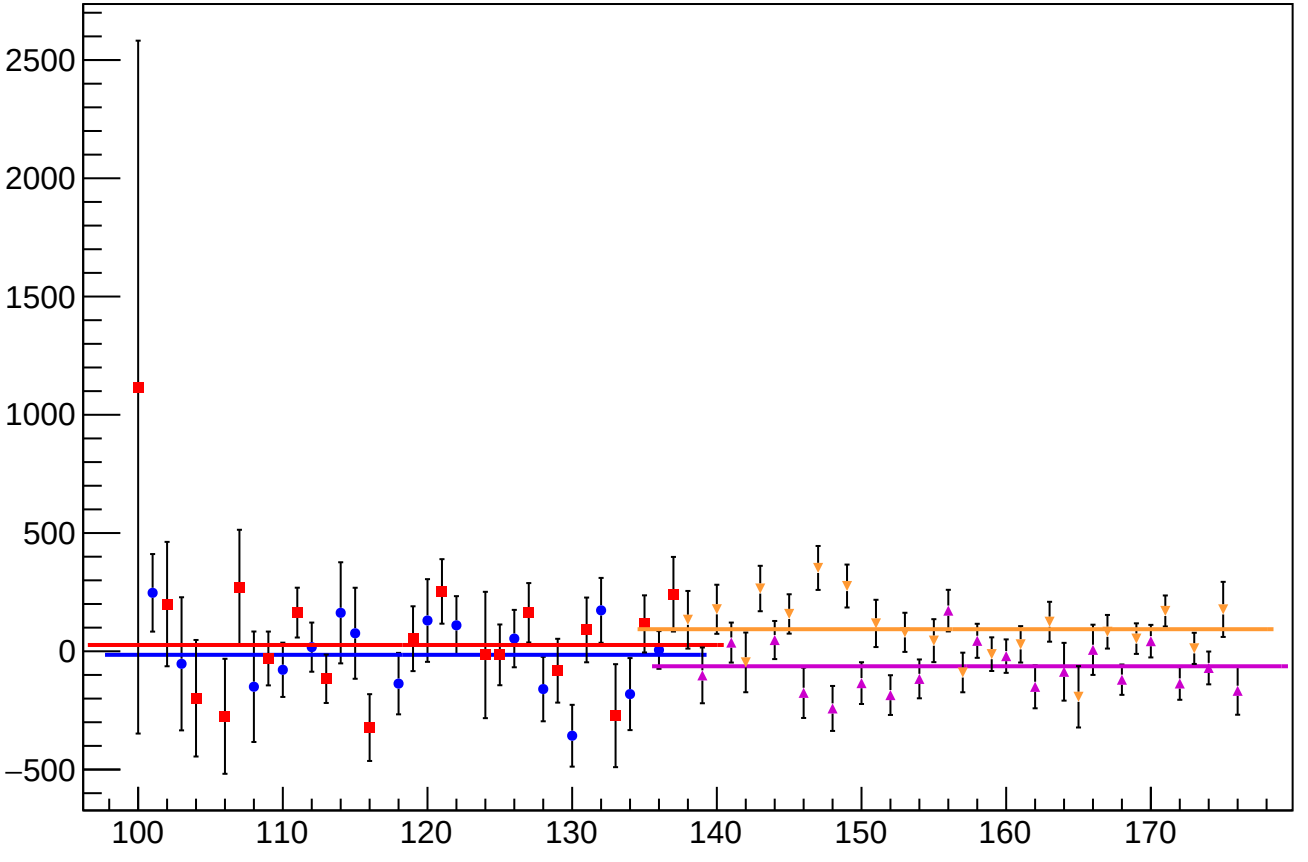
Left In: 549.064+/-0.102 χ^2/NDF:1806330.2/18

+ sign 621.220+/-0.097 χ^2/NDF: 4662257.0/35

All: 613.445+/-0.068 χ^2/NDF: 9590096.5/73

- sign 605.956+/-0.095 χ^2/NDF: 4915203.1/37

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 93.395+/-19.022 χ^2/NDF:34.5/19

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

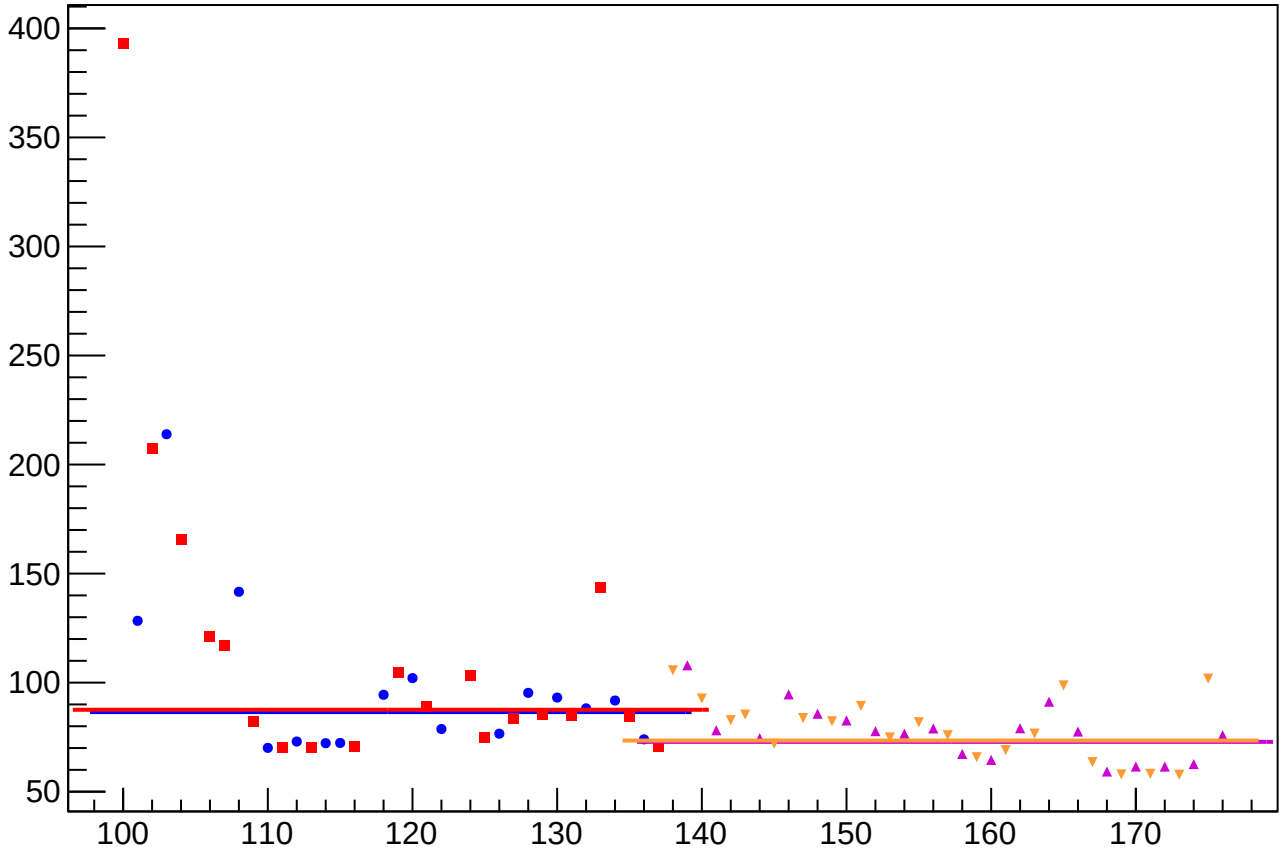
Left In: -63.298+/-19.067 χ^2/NDF:27.7/18

+ sign 67.287+/-16.573 χ^2/NDF: 60.5/35

All: 12.939+/-11.742 χ^2/NDF: 138.7/73

- sign -41.846+/-16.639 χ^2/NDF: 56.6/37

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 73.443+/-0.013 χ^2/NDF:967094.0/19

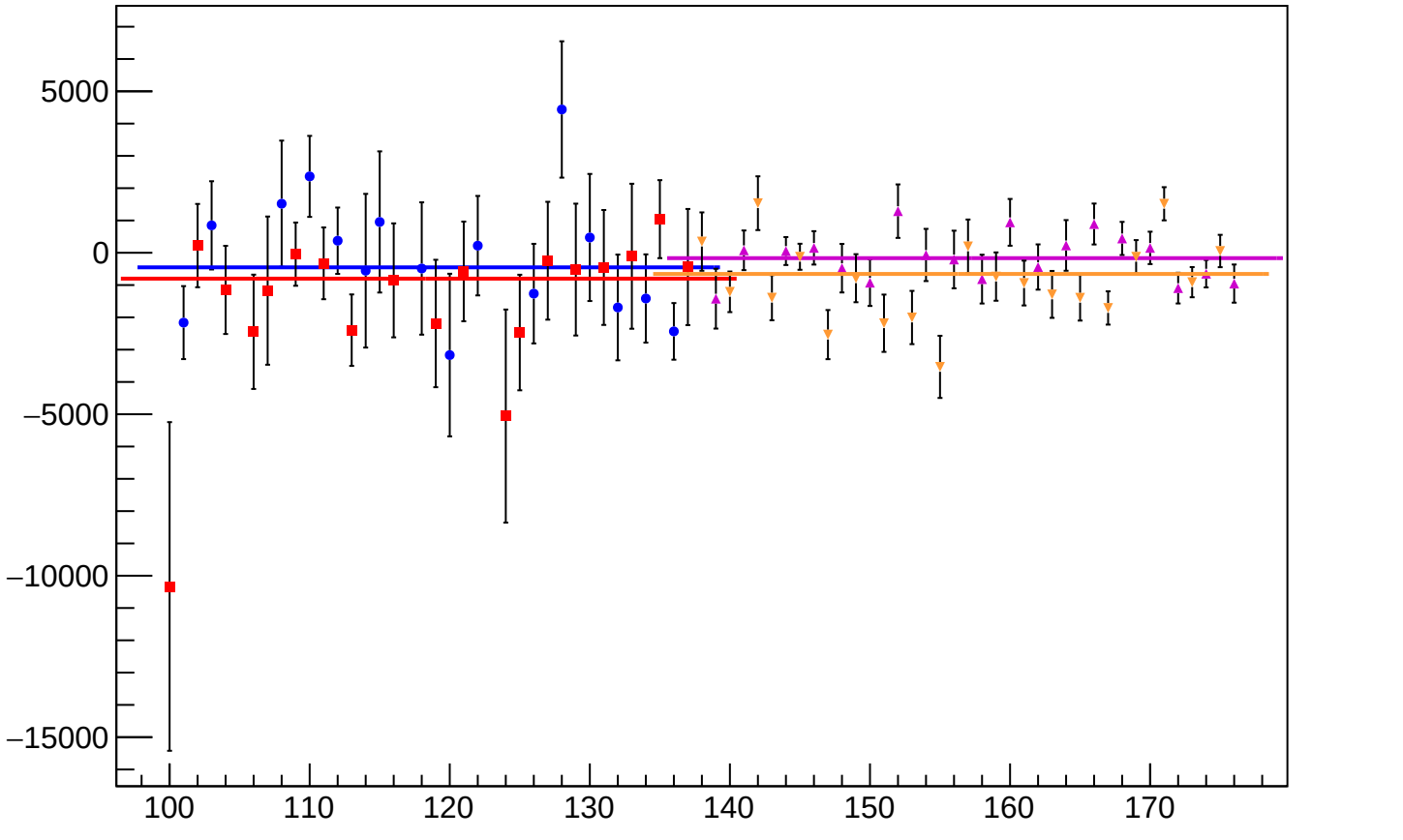
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 72.841+/-0.013 χ^2/NDF:692808.8/18

+ sign 76.587+/-0.012 χ^2/NDF: 2050031.2/35

All: 76.469+/-0.008 χ^2/NDF: 4156862.3/73

- sign 76.350+/-0.012 χ^2/NDF: 2106627.1/37



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -655.998+/-141.669 χ^2/NDF:61.0/19

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

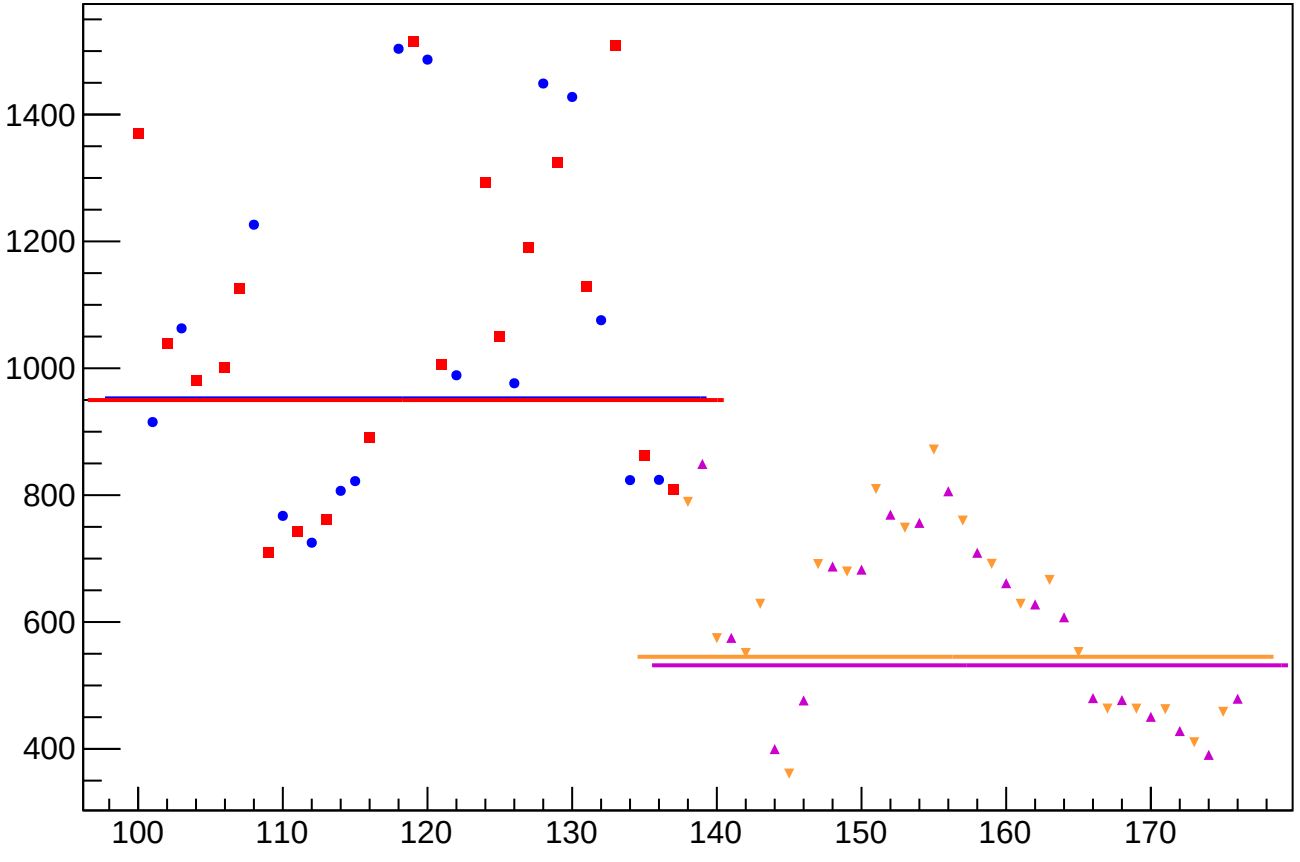
Left In: -166.373+/-139.706 χ^2/NDF:21.9/18

+ sign -629.285+/-132.098 χ^2/NDF: 85.0/35

All: -436.978+/-92.708 χ^2/NDF: 127.5/73

- sign -250.328+/-130.141 χ^2/NDF: 38.3/37

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 545.233+/-0.100 χ^2/NDF:1938096.7/19

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

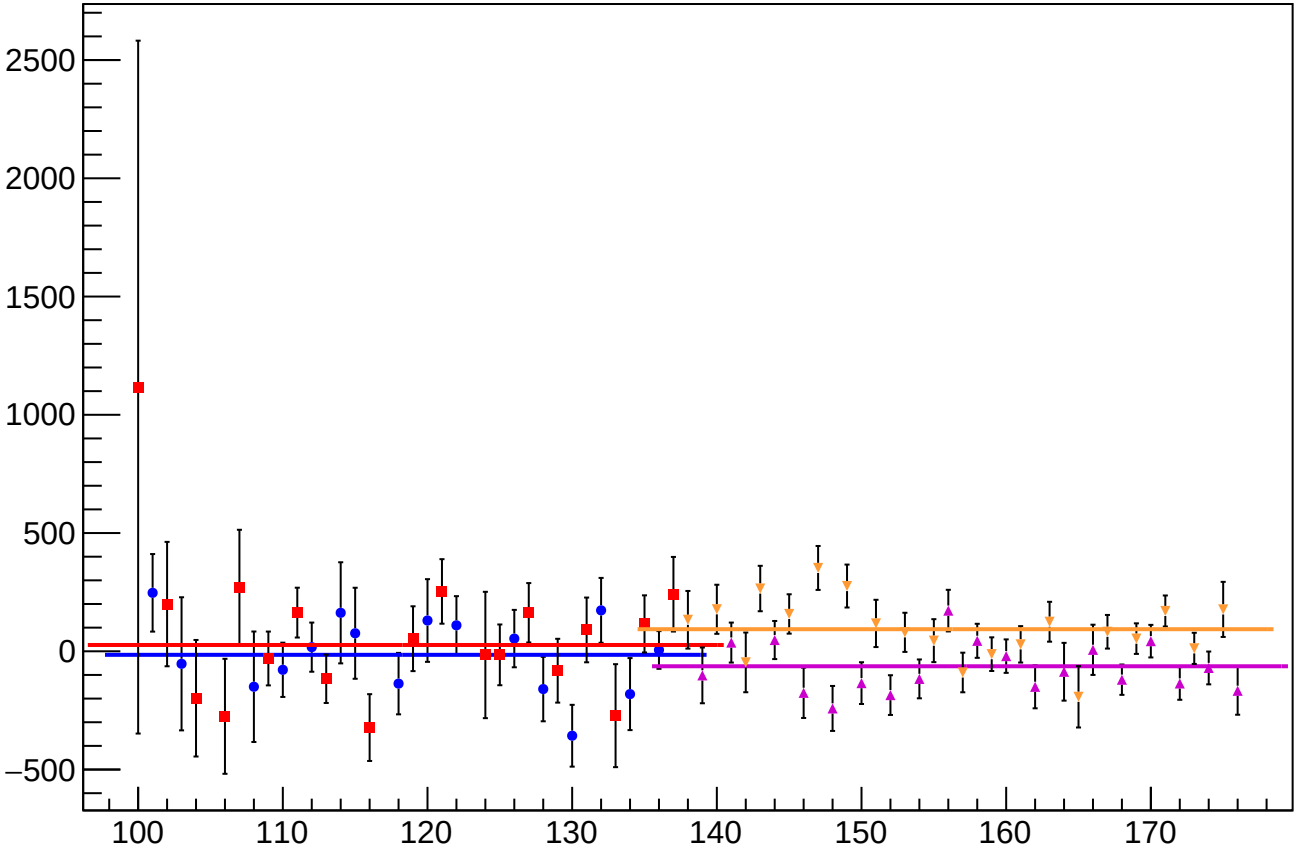
Left In: 531.767+/-0.099 χ^2/NDF:1785619.5/18

\+ sign 598.408+/-0.093 χ^2/NDF: 4842770.4/35

All: 592.651+/-0.066 χ^2/NDF: 9756720.6/73

\- sign 587.063+/-0.092 χ^2/NDF: 4906464.7/37

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 93.396+/-19.022 χ^2/NDF:34.5/19

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

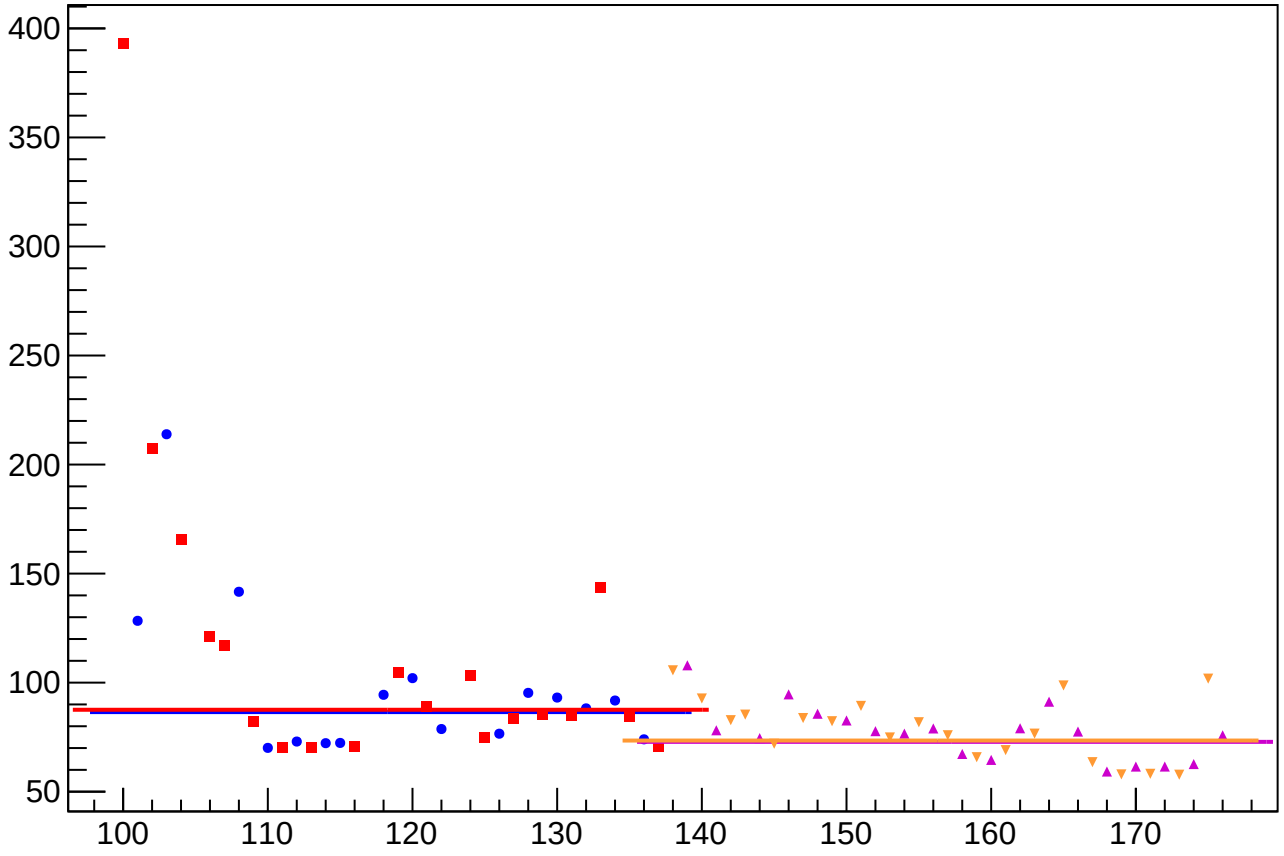
Left In: -63.297+/-19.068 χ^2/NDF:27.7/18

+ sign 67.287+/-16.573 χ^2/NDF: 60.5/35

All: 12.940+/-11.742 χ^2/NDF: 138.7/73

- sign -41.845+/-16.639 χ^2/NDF: 56.6/37

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 73.443+/-0.013 χ^2/NDF:967103.3/19

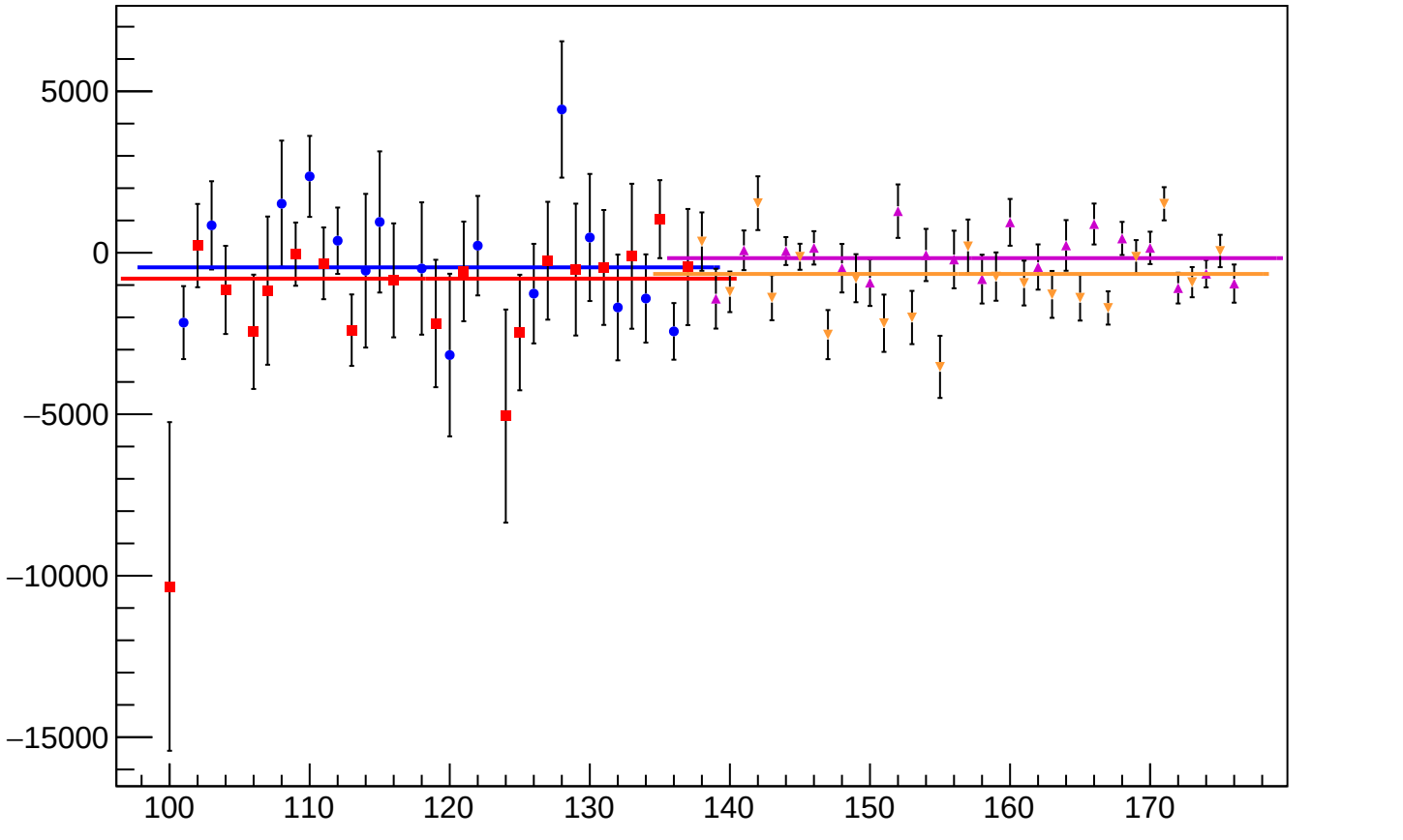
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 72.841+/-0.013 χ^2/NDF:692814.5/18

+ sign 76.587+/-0.012 χ^2/NDF: 2050035.3/35

All: 76.469+/-0.008 χ^2/NDF: 4156876.1/73

- sign 76.350+/-0.012 χ^2/NDF: 2106636.8/37



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -655.998+/-141.669 χ^2/NDF:61.0/19

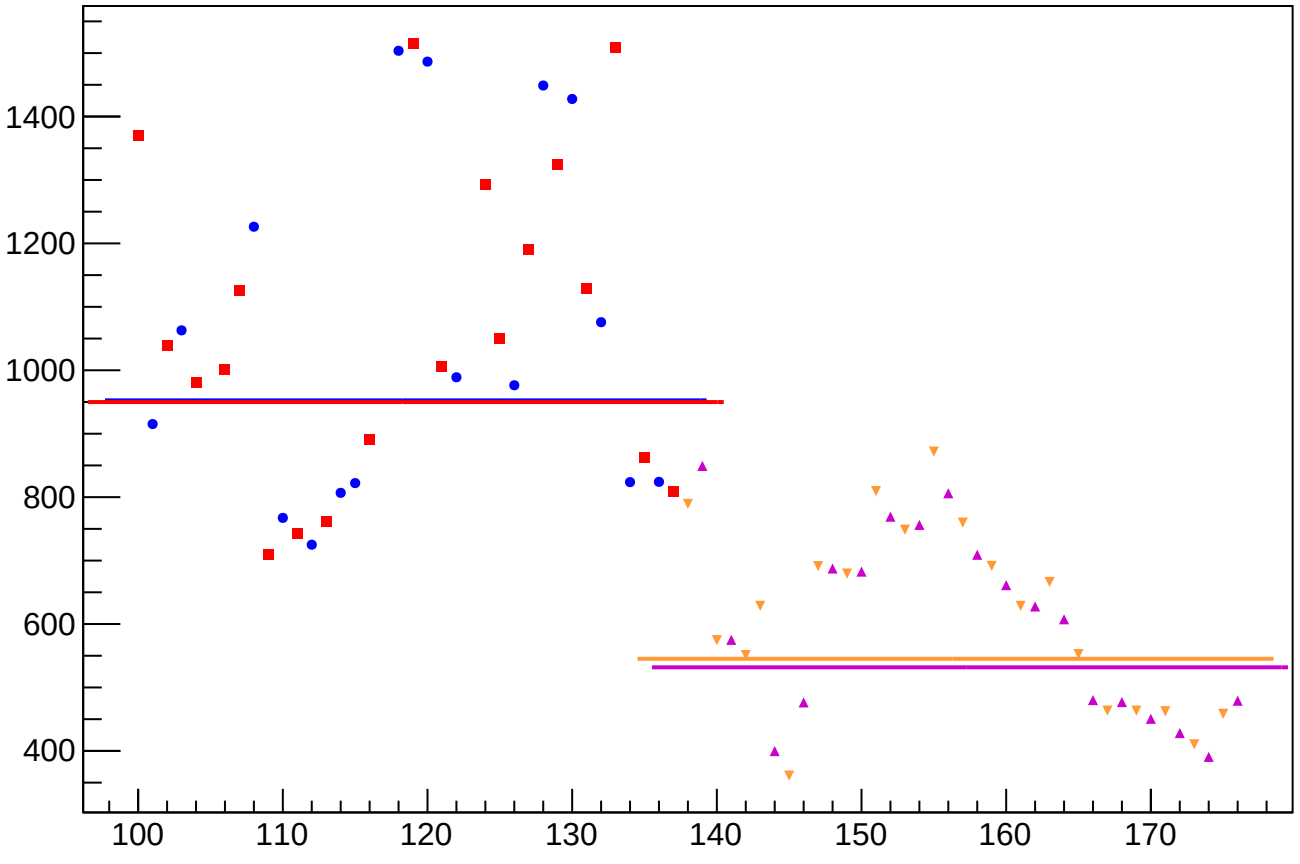
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -166.372+/-139.706 χ^2/NDF:21.9/18

+ sign -629.285+/-132.098 χ^2/NDF: 85.0/35

All: -436.978+/-92.708 χ^2/NDF: 127.5/73

- sign -250.327+/-130.141 χ^2/NDF: 38.3/37



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 545.233+/-0.100 χ^2/NDF:1938092.2/19

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

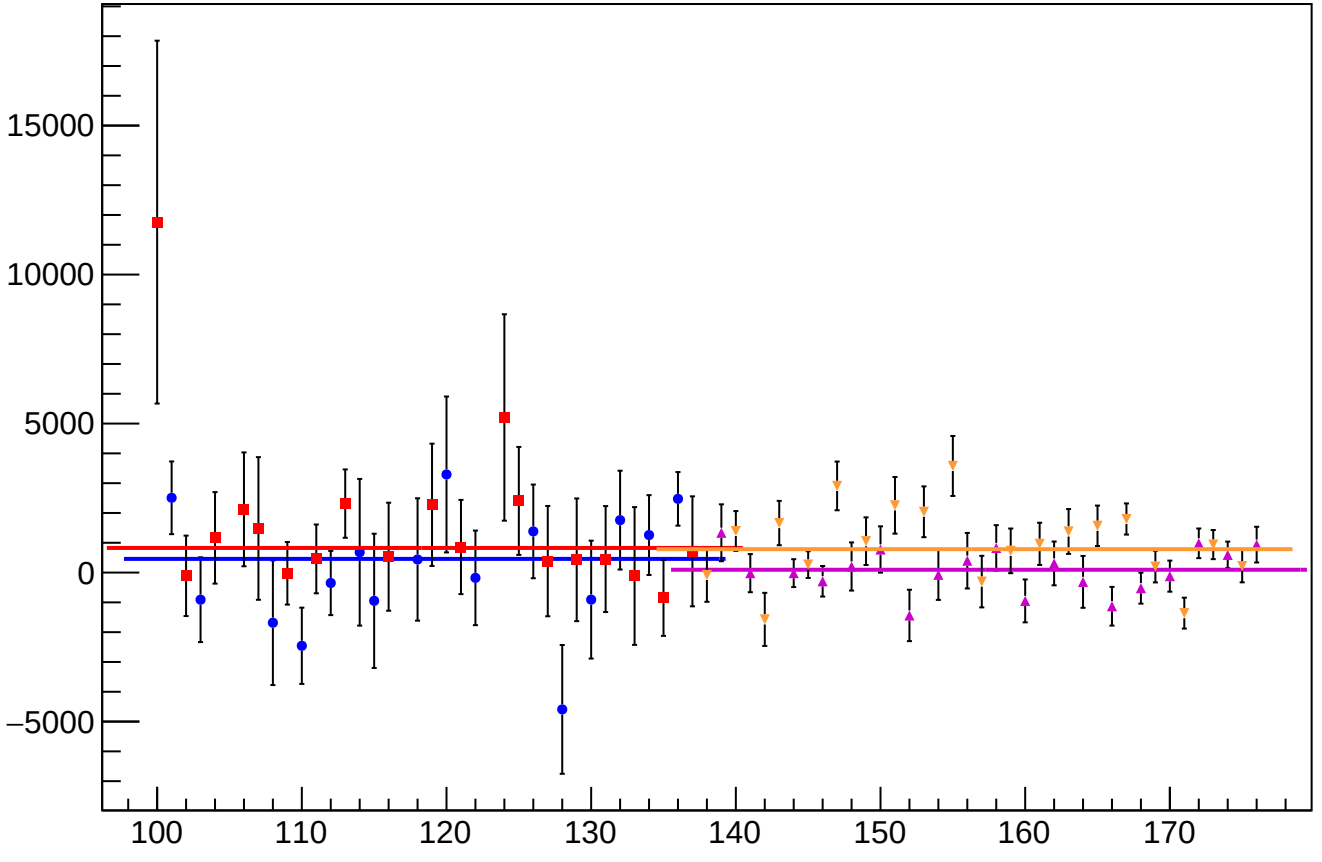
Left In: 531.767+/-0.099 χ^2/NDF:1785613.7/18

+ sign 598.407+/-0.093 χ^2/NDF: 4842760.6/35

All: 592.650+/-0.066 χ^2/NDF: 9756694.8/73

- sign 587.063+/-0.092 χ^2/NDF: 4906448.8/37

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 785.392+/-148.200 χ^2/NDF:57.5/19

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

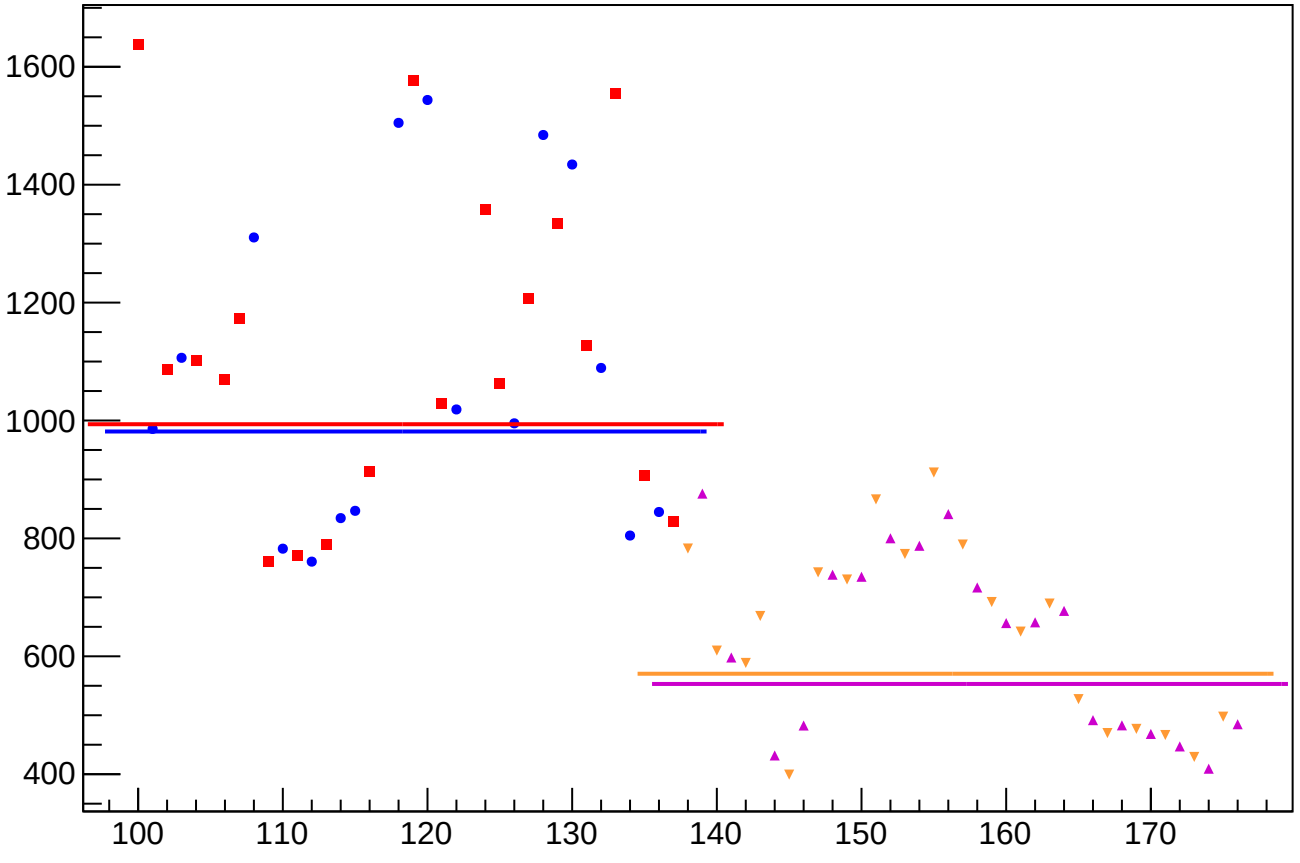
Left In: 94.514+/-145.191 χ^2/NDF:21.3/18

+ sign 741.698+/-137.920 χ^2/NDF: 82.7/35

All: 460.825+/-96.607 χ^2/NDF: 127.1/73

- sign 190.277+/-135.361 χ^2/NDF: 36.3/37

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 570.418+/-0.105 χ^2/NDF:1827973.3/19

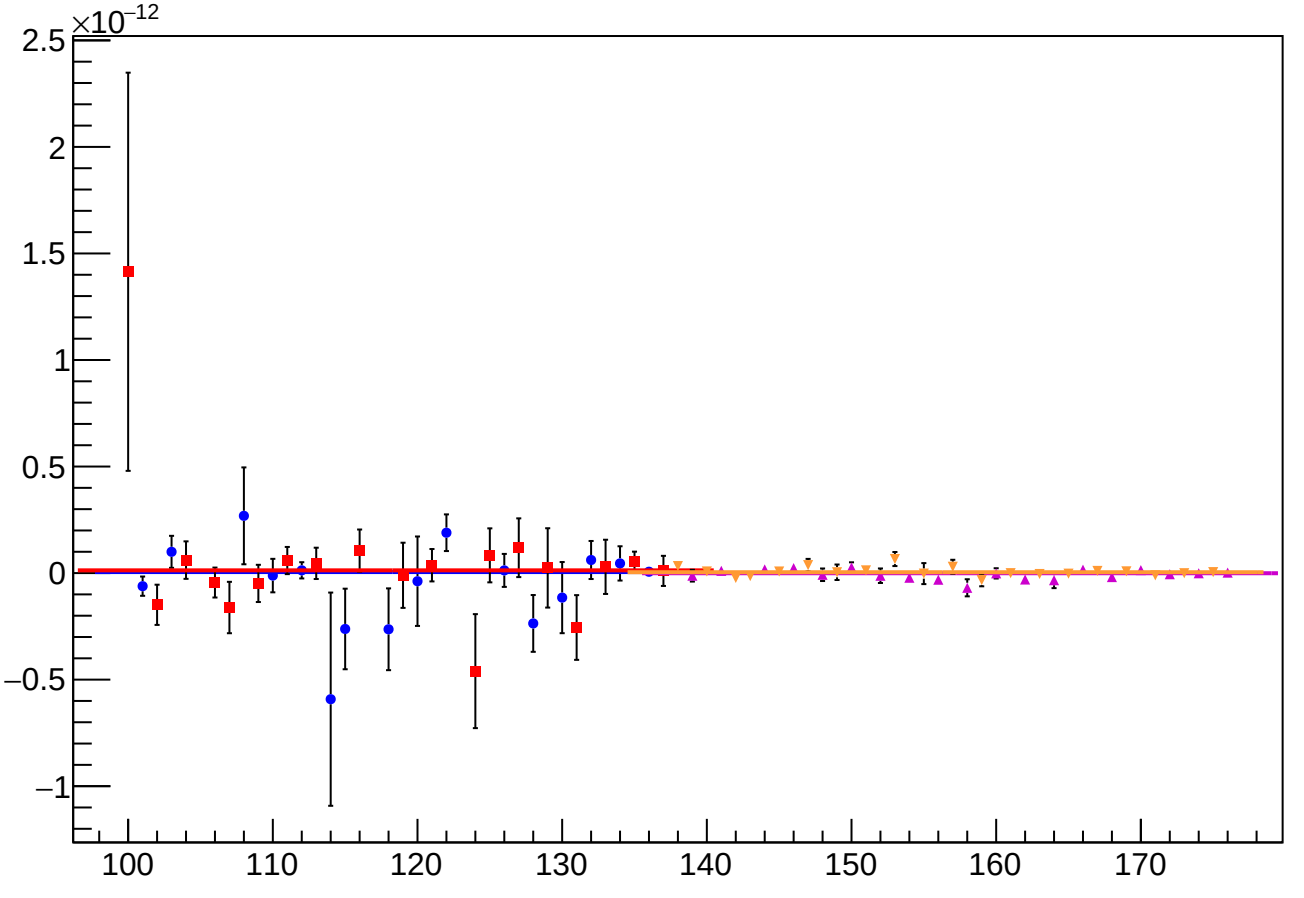
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 553.081+/-0.103 χ^2/NDF:1782713.2/18

+ sign 625.452+/-0.098 χ^2/NDF: 4624963.6/35

All: 617.949+/-0.068 χ^2/NDF: 9548591.8/73

- sign 610.721+/-0.096 χ^2/NDF: 4912006.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/19

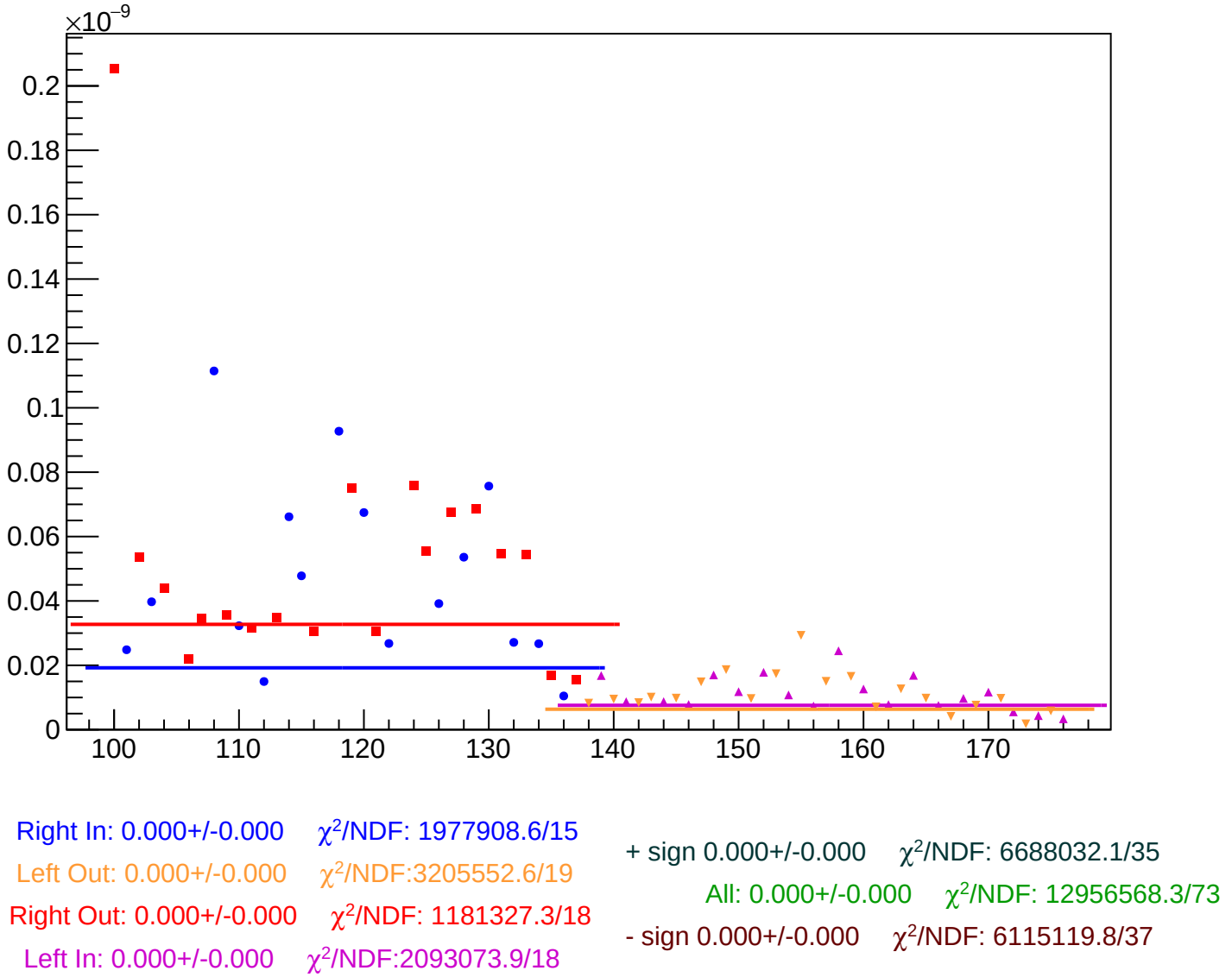
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/18

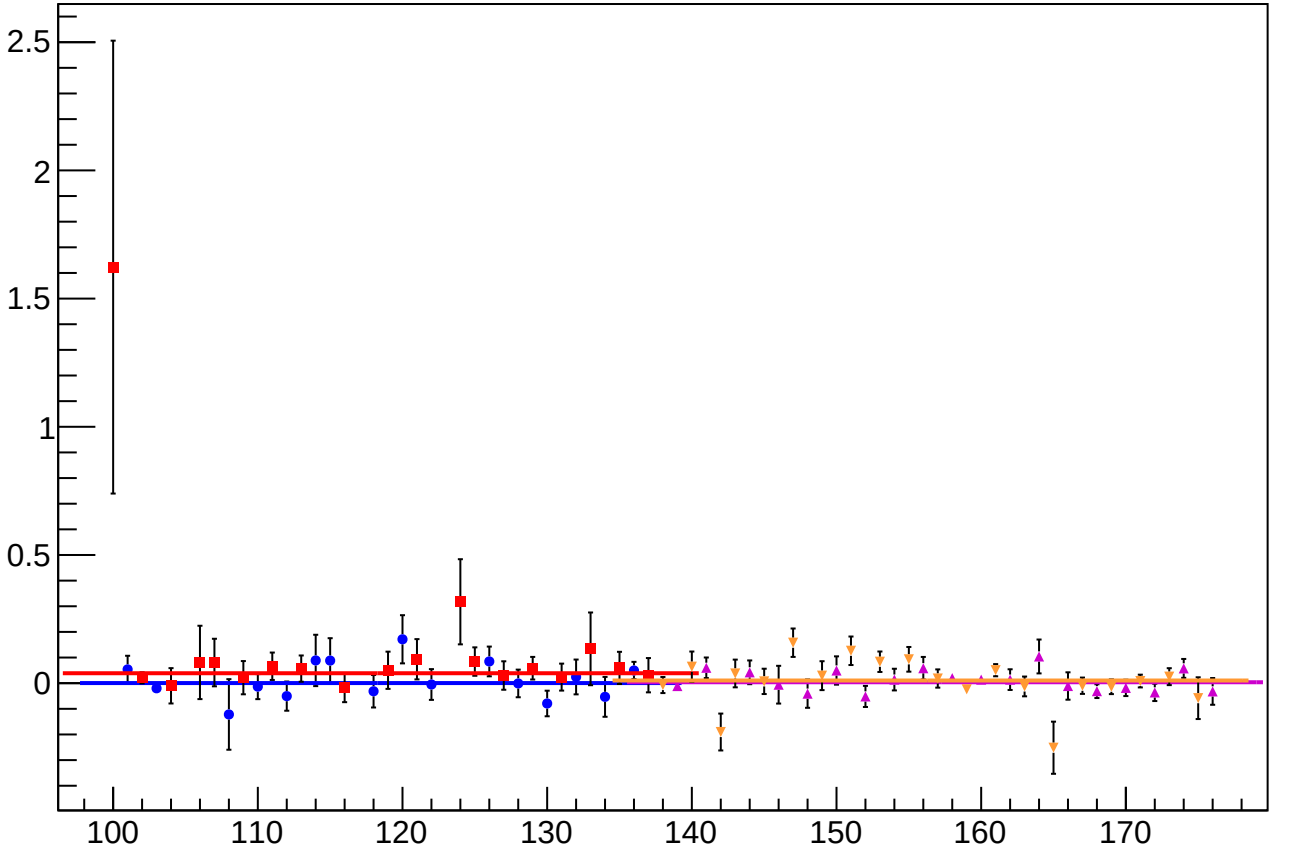
+ sign 0.000+/-0.000 χ^2/NDF: 34.0/35

All: 0.000+/-0.000 χ^2/NDF: 71.9/73

- sign -0.000+/-0.000 χ^2/NDF: 37.2/37


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
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3205552.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:2093073.9/18
+ sign 0.000+/-0.000 χ²/NDF: 6688032.1/35
All: 0.000+/-0.000 χ²/NDF: 12956568.3/73
- sign 0.000+/-0.000 χ²/NDF: 6115119.8/37

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: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

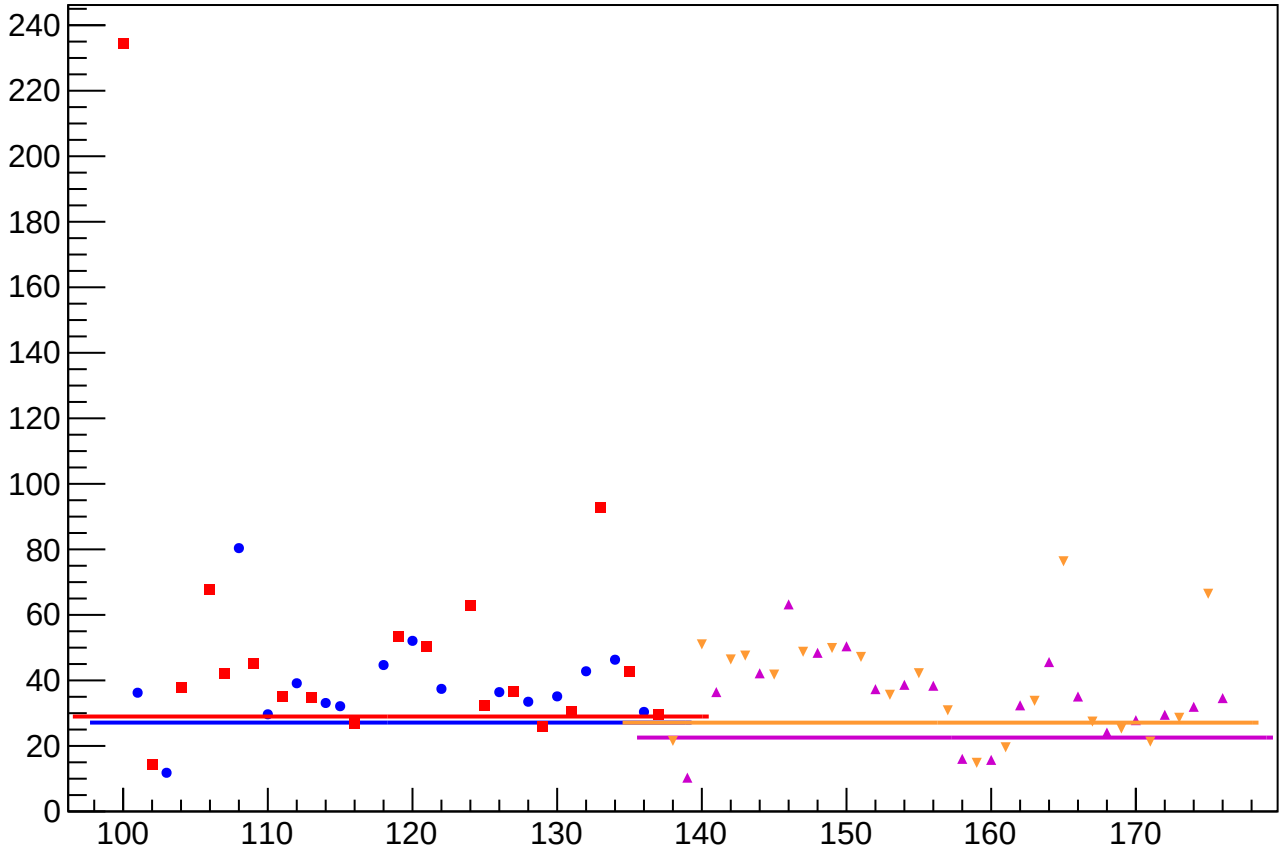
Left In: 0.004+/-0.007 χ^2/NDF:18.4/18

+ sign 0.007+/-0.007 χ^2/NDF: 60.4/35

All: 0.010+/-0.004 χ^2/NDF: 96.0/73

- sign 0.012+/-0.006 χ^2/NDF: 35.4/37

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.110+/-0.006 χ^2/NDF:4628202.4/19

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

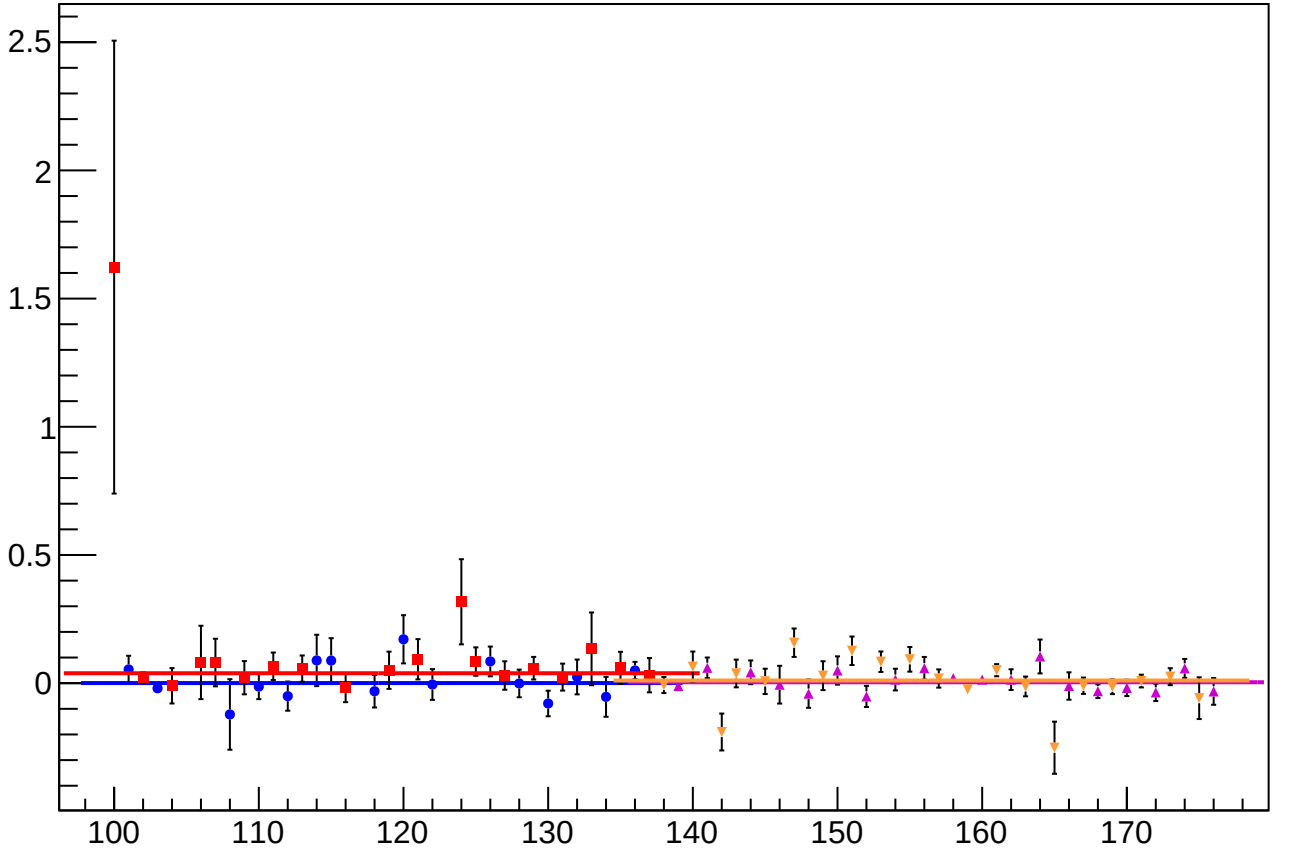
Left In: 22.549+/-0.005 χ^2/NDF:6036062.5/18

+ sign 27.116+/-0.005 χ^2/NDF: 7043521.5/35

All: 25.446+/-0.003 χ^2/NDF: 16172732.6/73

- sign 24.028+/-0.004 χ^2/NDF: 8890978.2/37

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: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

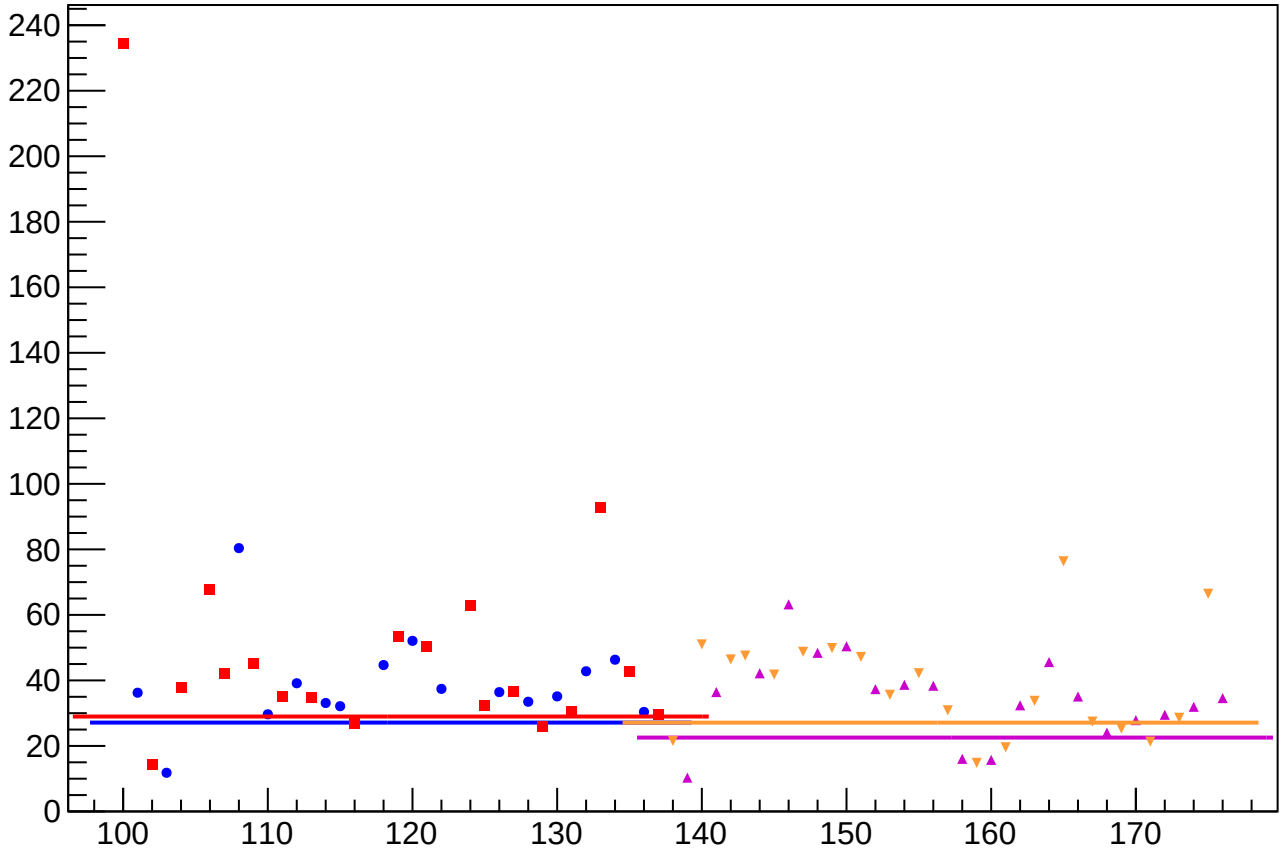
Left In: 0.004+/-0.007 χ^2/NDF:18.4/18

+ sign 0.007+/-0.007 χ^2/NDF: 60.4/35

All: 0.010+/-0.004 χ^2/NDF: 96.0/73

- sign 0.012+/-0.006 χ^2/NDF: 35.4/37

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.110+/-0.006 χ^2/NDF:4628202.4/19

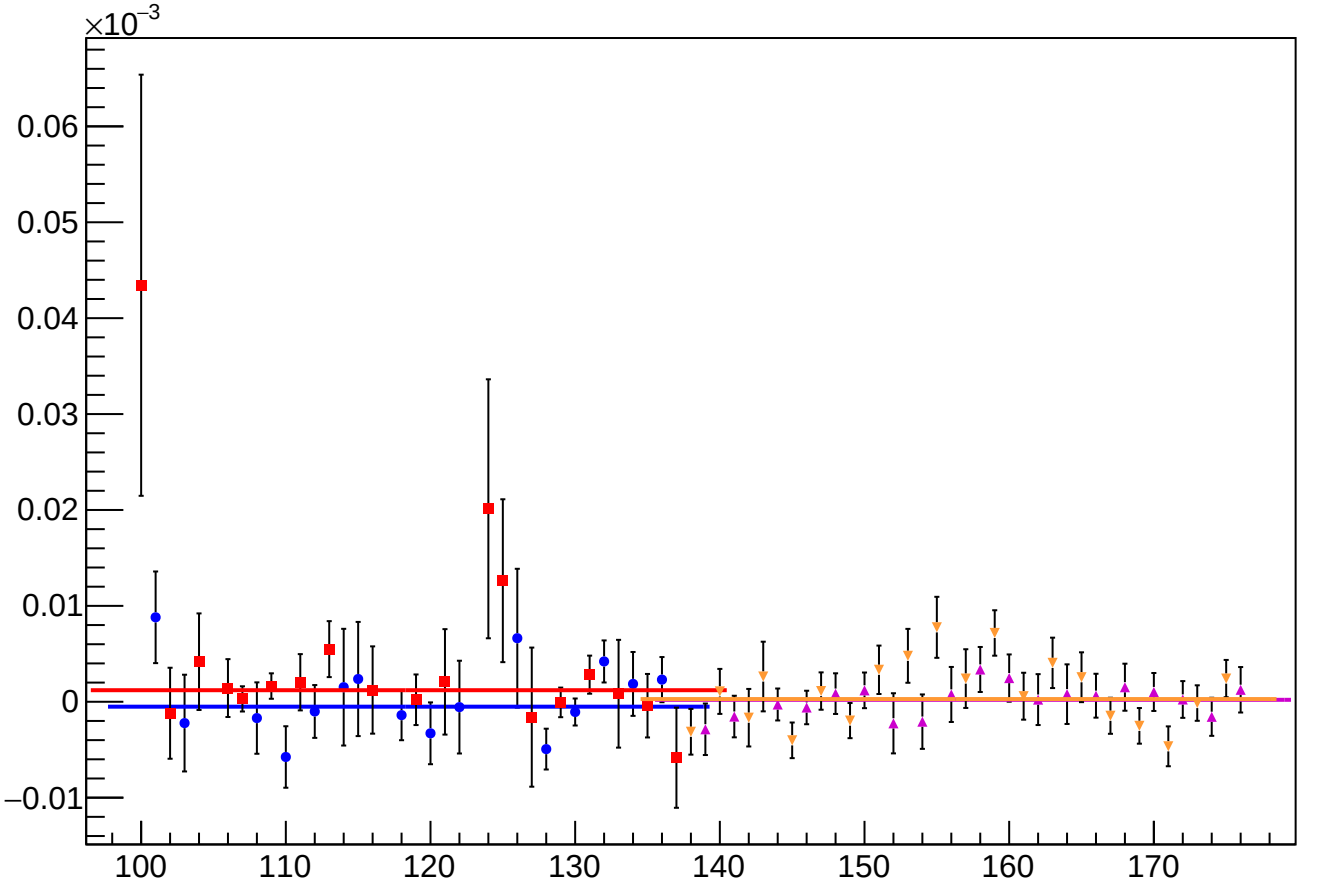
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.549+/-0.005 χ^2/NDF:6036062.5/18

+ sign 27.116+/-0.005 χ^2/NDF: 7043521.5/35

All: 25.446+/-0.003 χ^2/NDF: 16172732.6/73

- sign 24.028+/-0.004 χ^2/NDF: 8890978.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.4/19

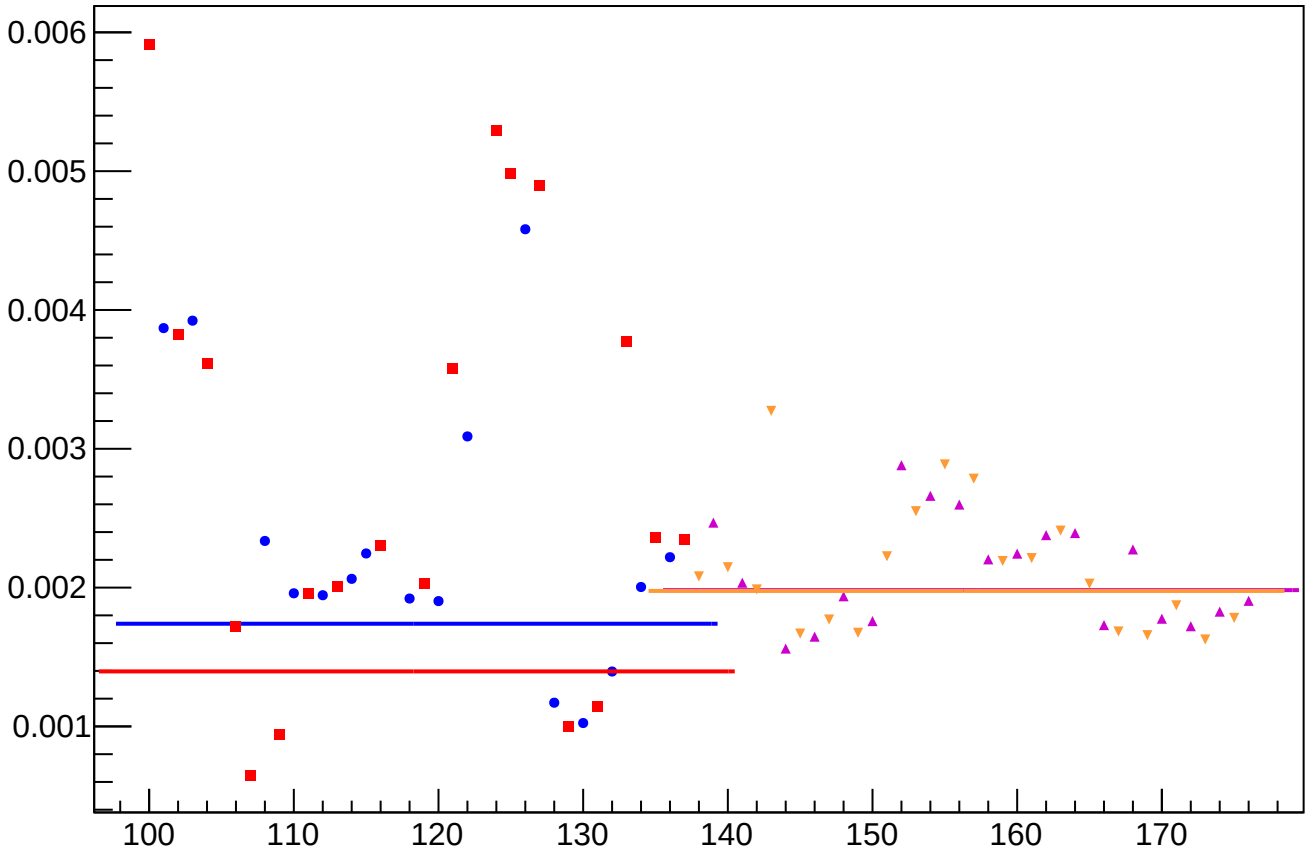
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 62.2/35

All: 0.000+/-0.000 χ^2/NDF: 87.6/73

- sign 0.000+/-0.000 χ^2/NDF: 24.3/37



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1101567.7/19

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

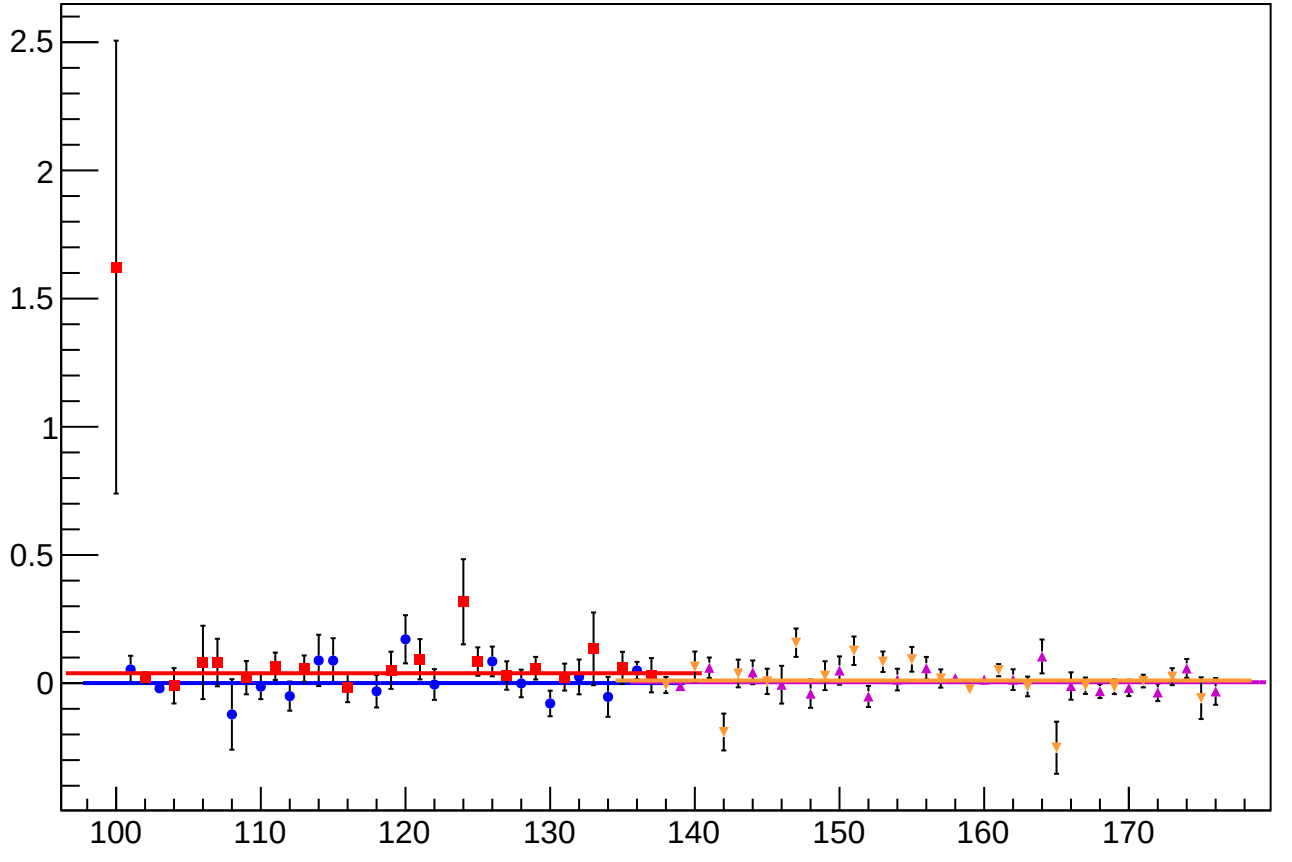
Left In: 0.002+/-0.000 χ^2/NDF:915250.0/18

+ sign 0.002+/-0.000 χ^2/NDF: 3393325.7/35

All: 0.002+/-0.000 χ^2/NDF: 9859289.5/73

- sign 0.002+/-0.000 χ^2/NDF: 6315146.7/37

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

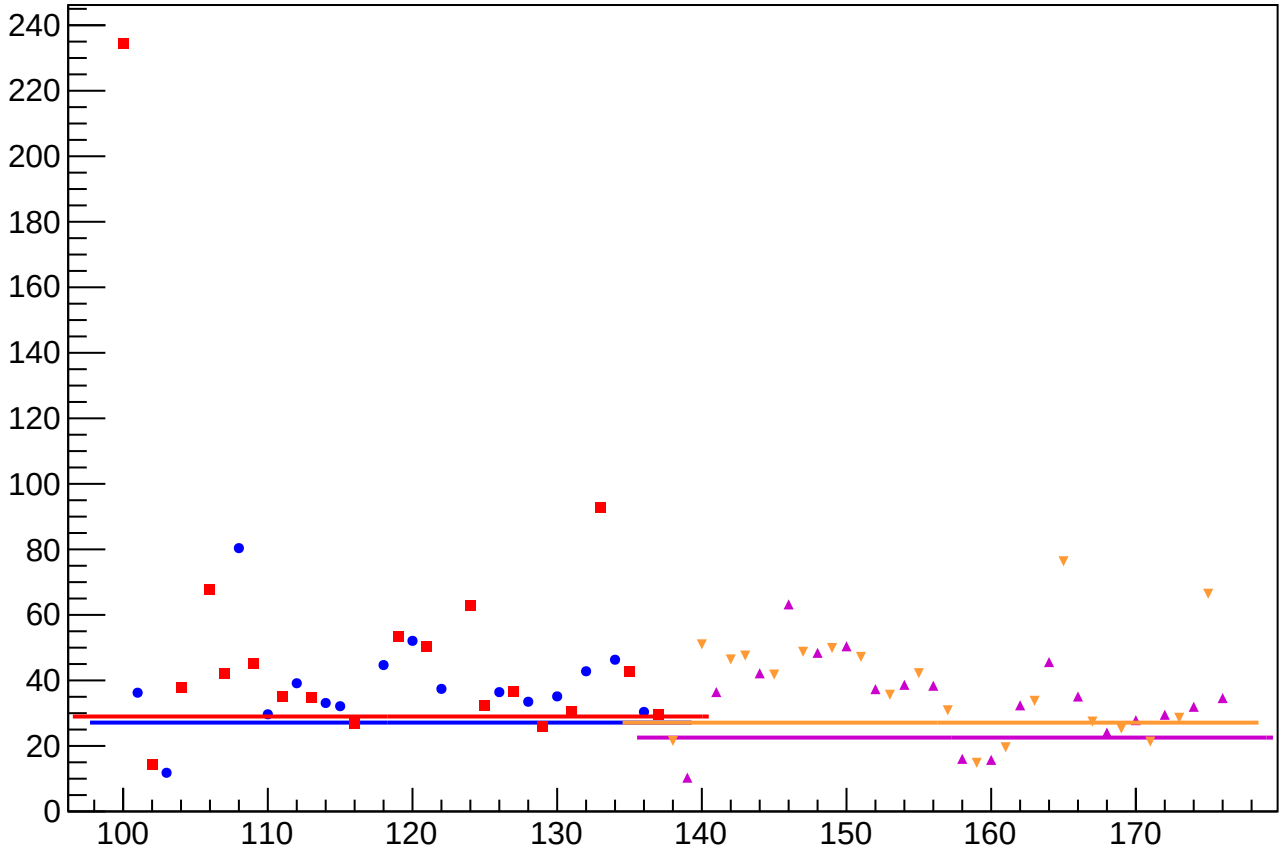
Left In: 0.004+/-0.007 χ^2/NDF:18.4/18

+ sign 0.007+/-0.007 χ^2/NDF: 60.4/35

All: 0.010+/-0.004 χ^2/NDF: 96.0/73

- sign 0.012+/-0.006 χ^2/NDF: 35.4/37

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.110+/-0.006 χ^2/NDF:4628623.3/19

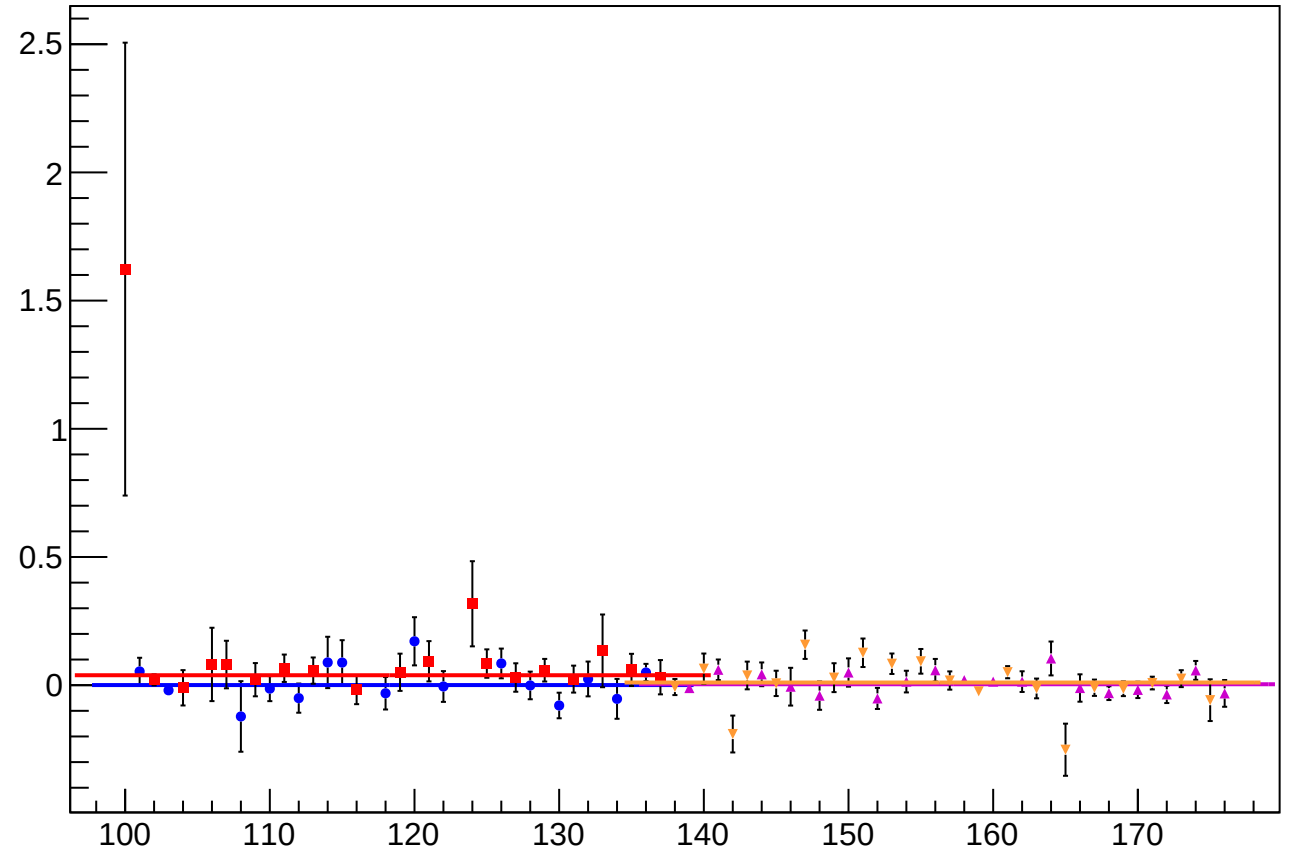
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.548+/-0.005 χ^2/NDF:6037011.2/18

+ sign 27.115+/-0.005 χ^2/NDF: 7044277.5/35

All: 25.445+/-0.003 χ^2/NDF: 16174274.0/73

- sign 24.028+/-0.004 χ^2/NDF: 8891771.8/37



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

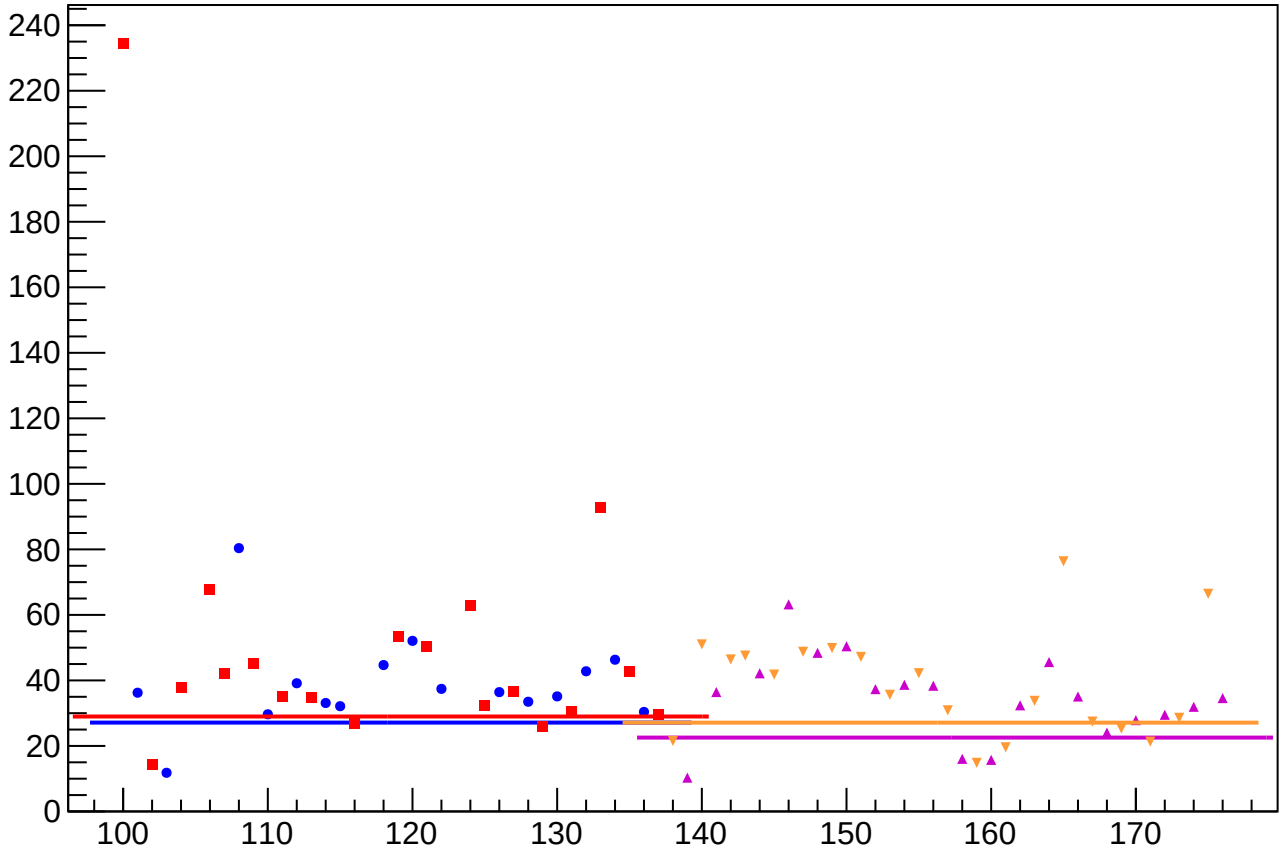
Left In: 0.004+/-0.007 χ^2/NDF:18.4/18

+ sign 0.007+/-0.007 χ^2/NDF: 60.4/35

All: 0.010+/-0.004 χ^2/NDF: 96.0/73

- sign 0.012+/-0.006 χ^2/NDF: 35.4/37

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.110+/-0.006 χ^2/NDF:4628623.3/19

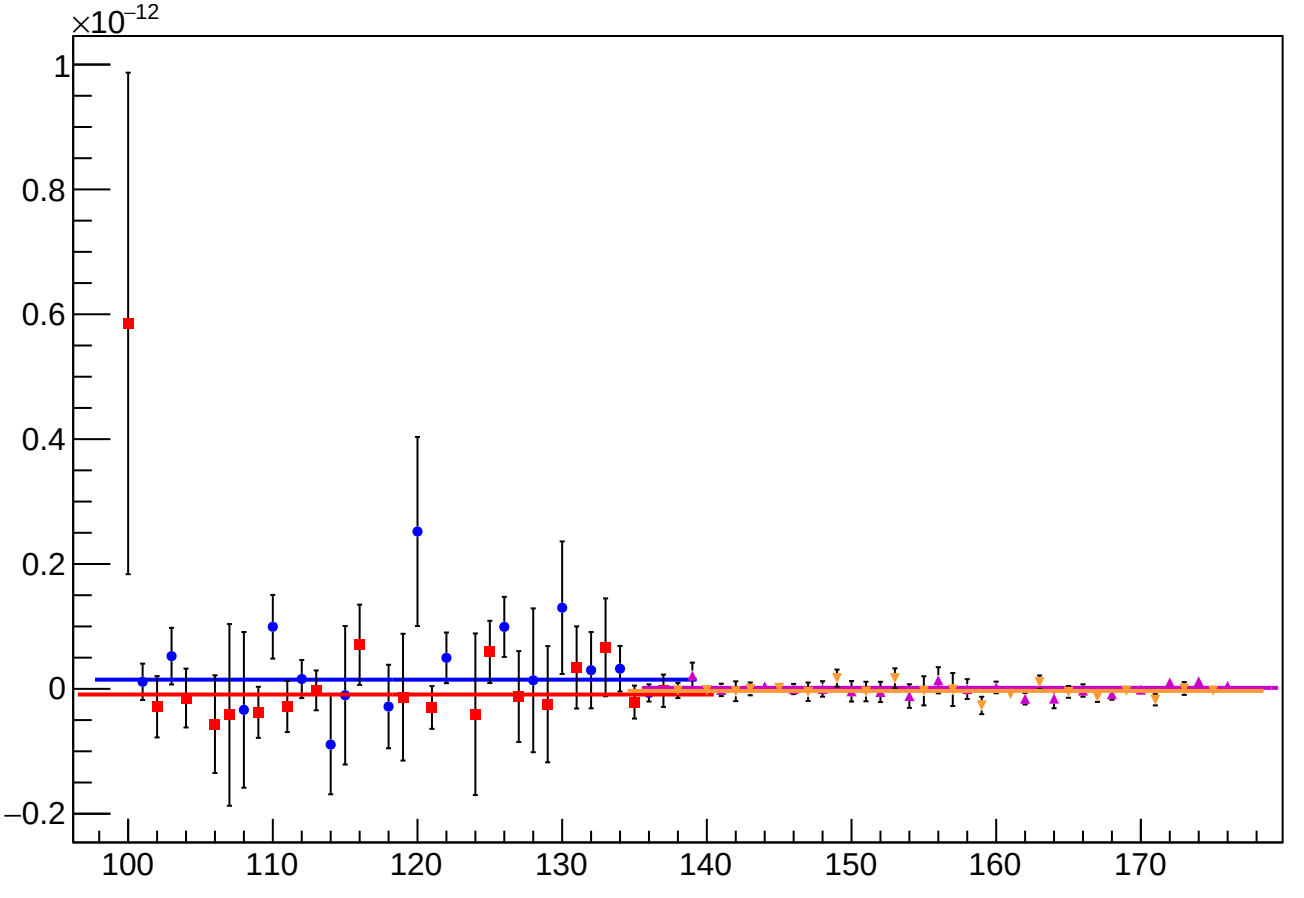
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.548+/-0.005 χ^2/NDF:6037011.2/18

+ sign 27.115+/-0.005 χ^2/NDF: 7044277.5/35

All: 25.445+/-0.003 χ^2/NDF: 16174274.0/73

- sign 24.028+/-0.004 χ^2/NDF: 8891771.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/19

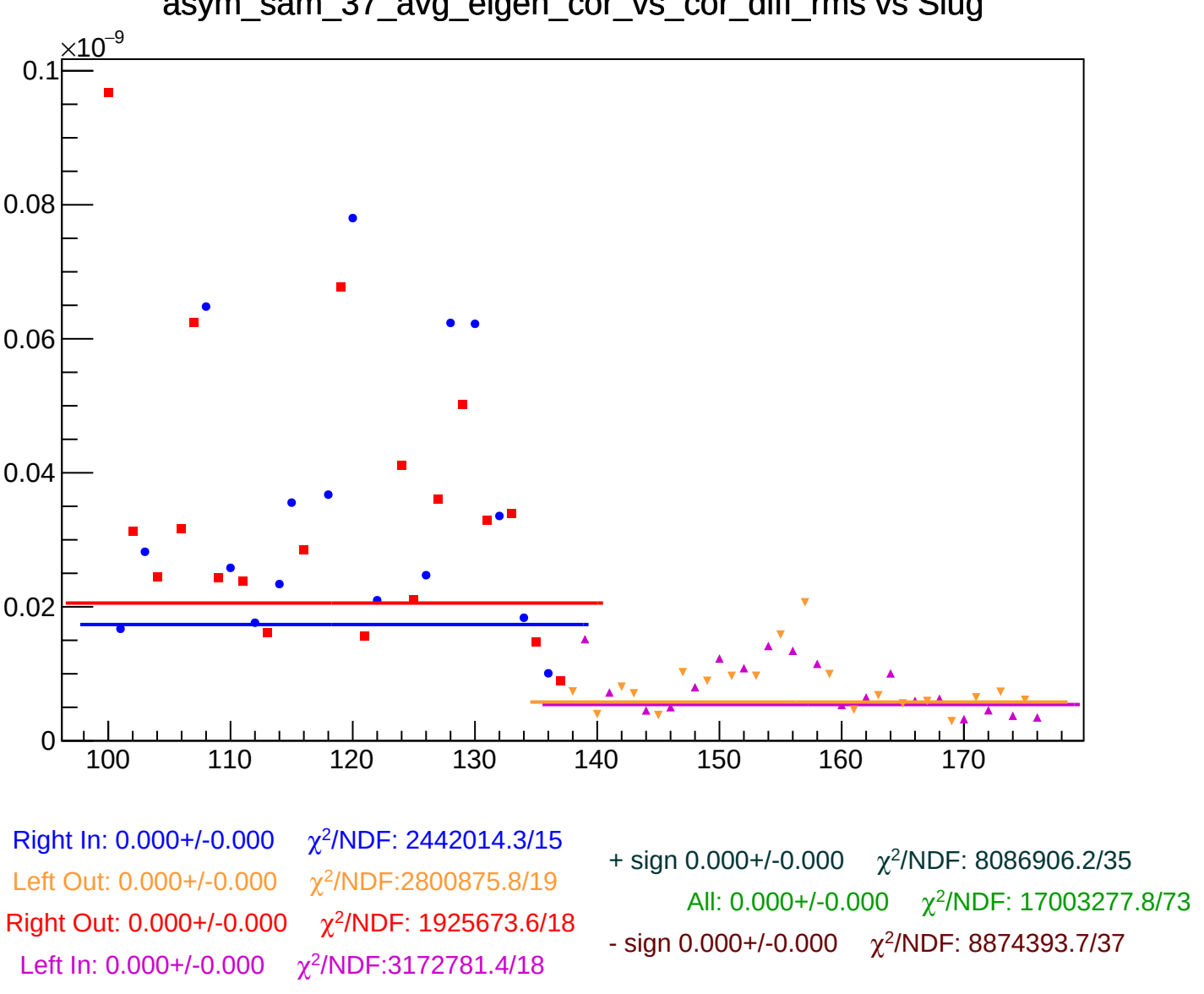
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/18

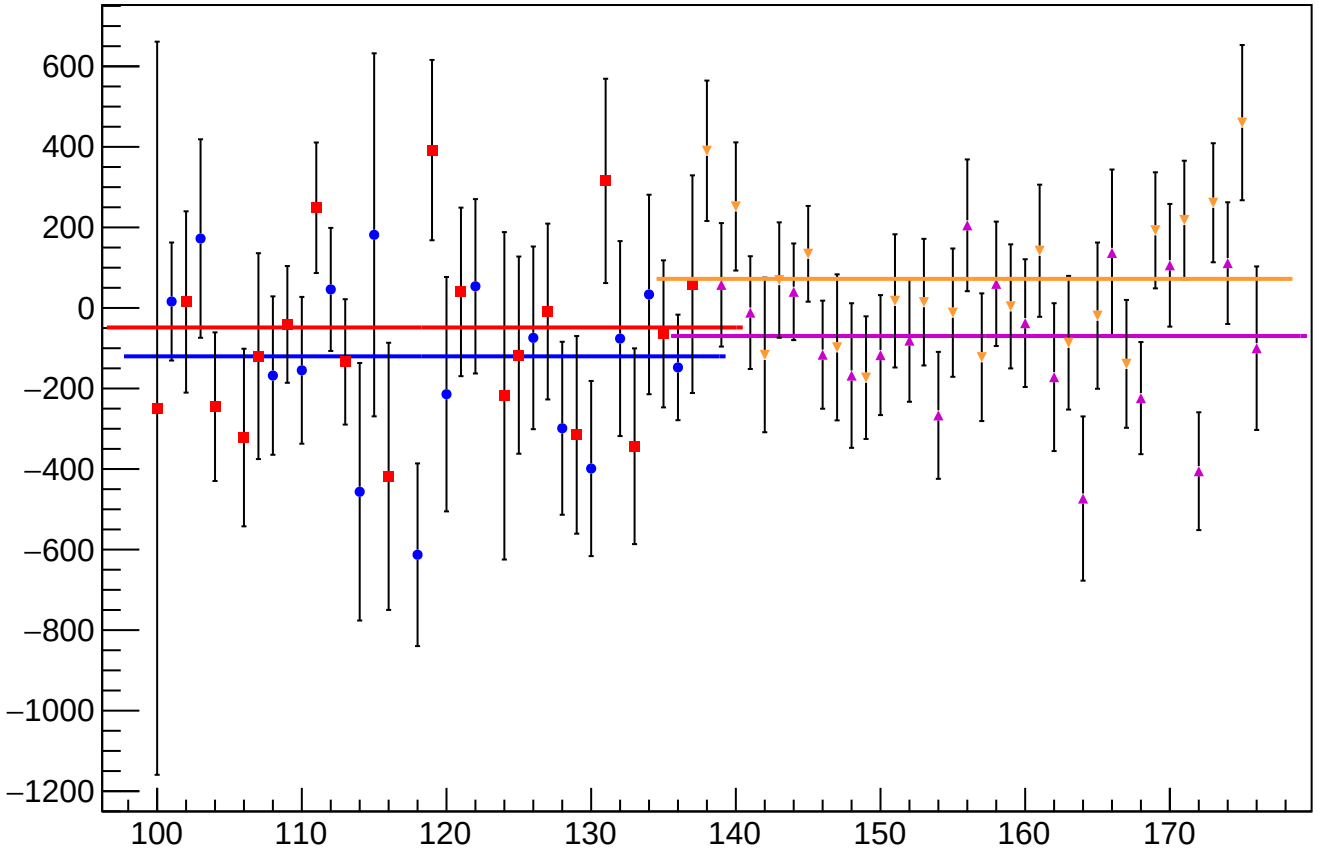
+ sign -0.000+/-0.000 χ^2/NDF: 32.7/35

All: -0.000+/-0.000 χ^2/NDF: 58.0/73

- sign 0.000+/-0.000 χ^2/NDF: 23.8/37


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
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2442014.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2800875.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 1925673.6/18
Left In: 0.000+/-0.000 χ²/NDF:3172781.4/18
+ sign 0.000+/-0.000 χ²/NDF: 8086906.2/35
All: 0.000+/-0.000 χ²/NDF: 17003277.8/73
- sign 0.000+/-0.000 χ²/NDF: 8874393.7/37

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 72.251+/-35.330 χ^2/NDF:22.0/19

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

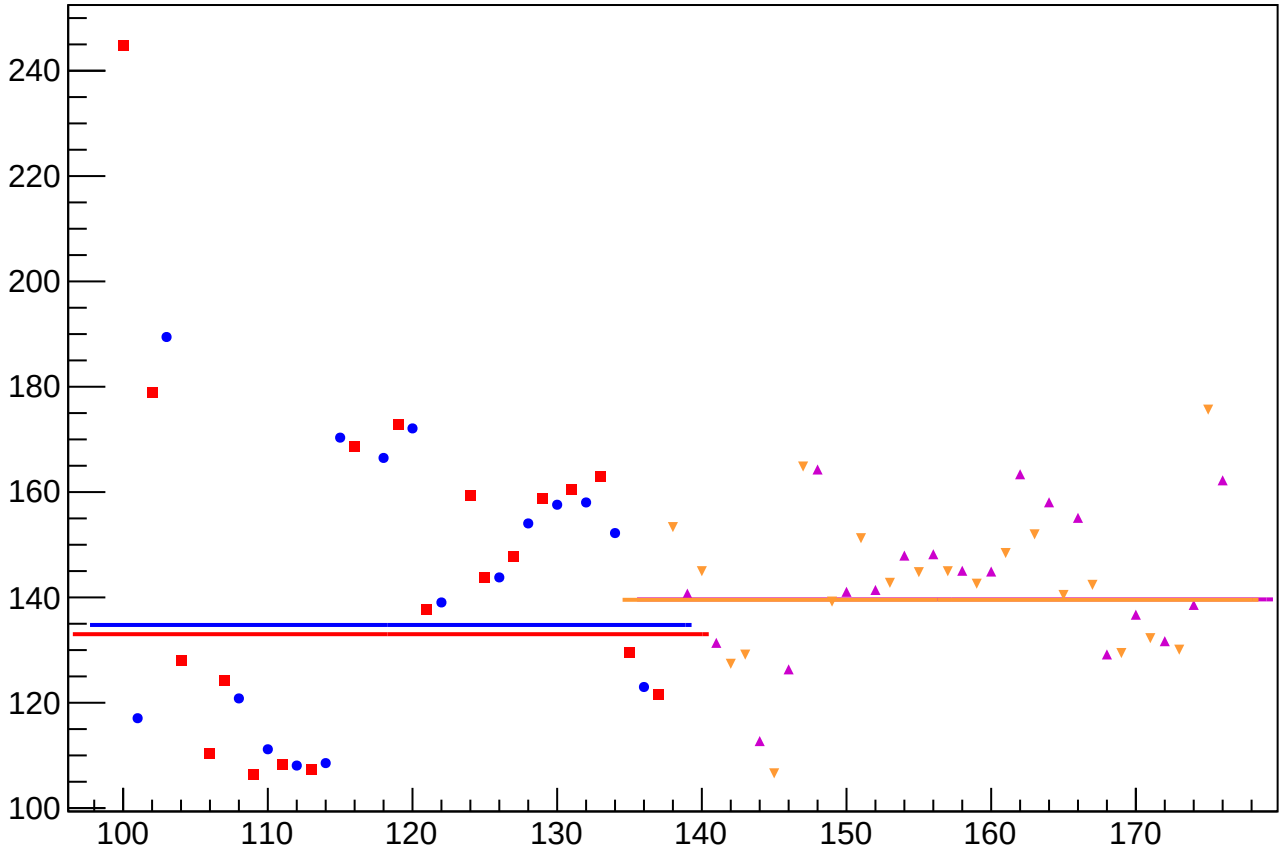
Left In: -69.681+/-35.720 χ^2/NDF:21.9/18

+ sign 10.028+/-29.061 χ^2/NDF: 45.0/35

All: -26.248+/-20.544 χ^2/NDF: 87.1/73

- sign -62.489+/-29.047 χ^2/NDF: 39.0/37

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.548+/-0.025 χ^2/NDF:352986.7/19

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

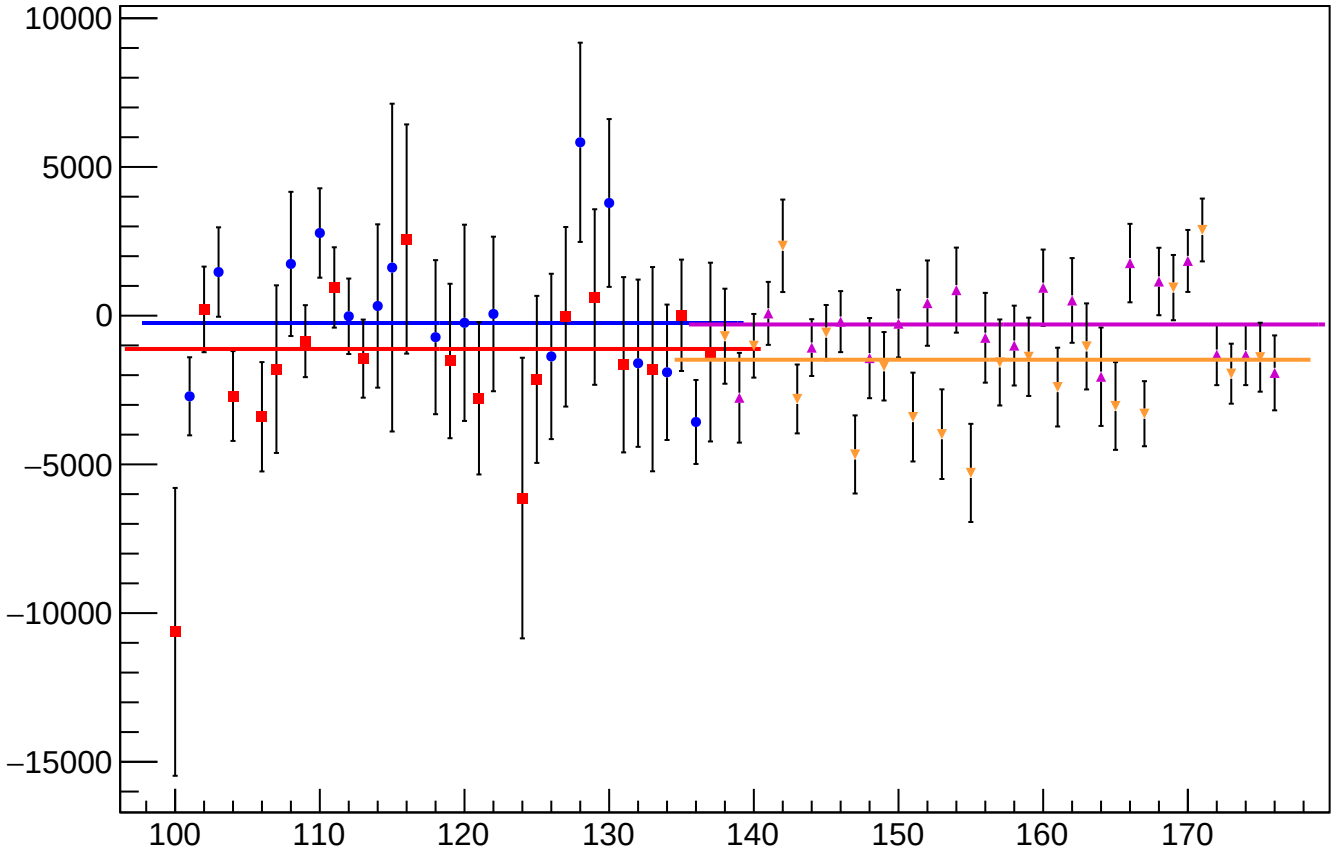
Left In: 139.624+/-0.025 χ^2/NDF:284973.8/18

+ sign 138.003+/-0.021 χ^2/NDF: 781589.3/35

All: 137.695+/-0.015 χ^2/NDF: 1585888.4/73

- sign 137.387+/-0.021 χ^2/NDF: 803848.8/37

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1481.364+/-277.059 χ^2/NDF:51.1/19

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

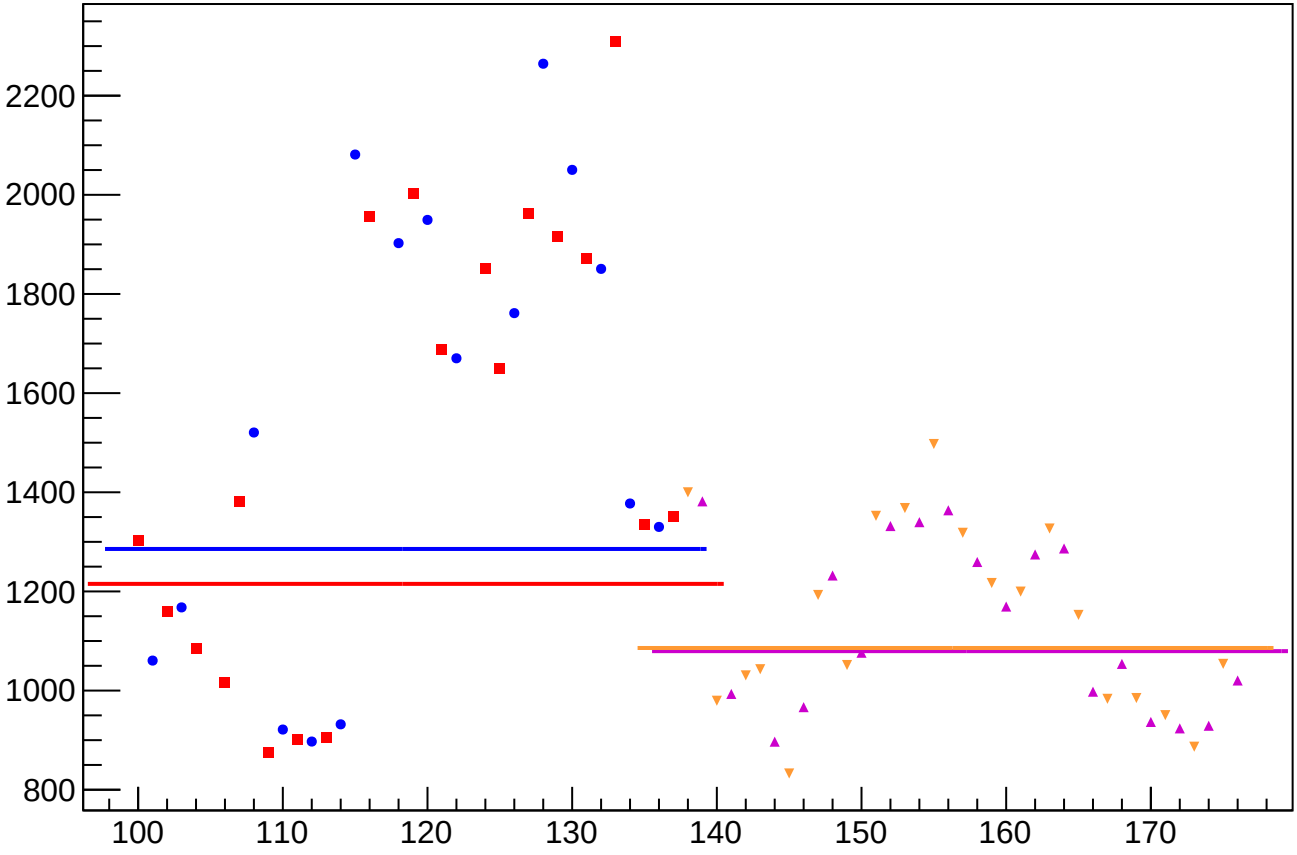
Left In: -295.692+/-277.661 χ^2/NDF:19.8/18

+ sign -1192.491+/-242.502 χ^2/NDF: 77.3/35

All: -846.007+/-170.169 χ^2/NDF: 116.8/73

- sign -509.882+/-238.849 χ^2/NDF: 35.5/37

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1085.921+/-0.196 χ^2/NDF:816706.4/19

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

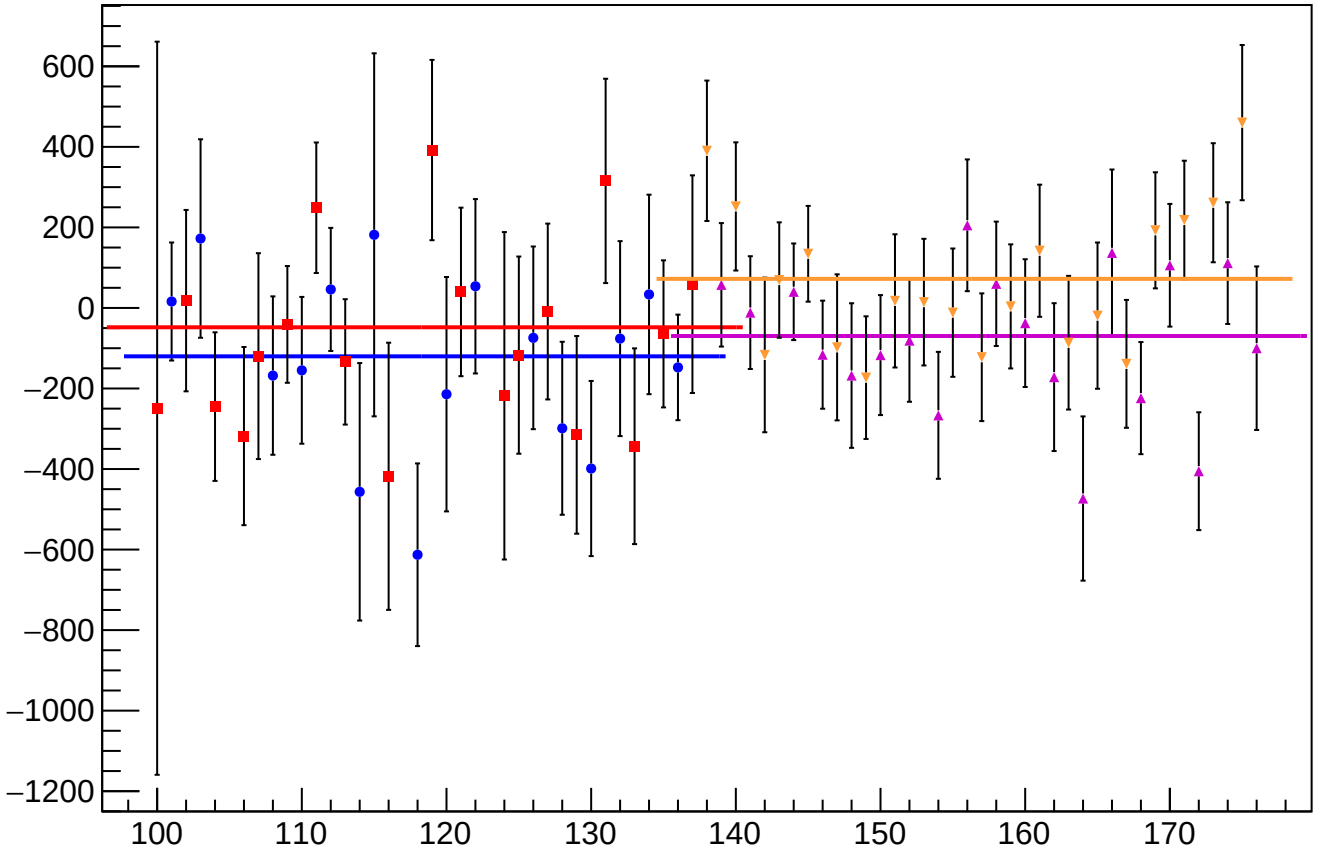
Left In: 1079.547+/-0.196 χ^2/NDF:671221.5/18

+ sign 1132.643+/-0.171 χ^2/NDF: 2230297.7/35

All: 1123.601+/-0.120 χ^2/NDF: 4417483.4/73

- sign 1114.830+/-0.169 χ^2/NDF: 2181708.2/37

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 72.256+/-35.330 χ^2/NDF:22.0/19

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

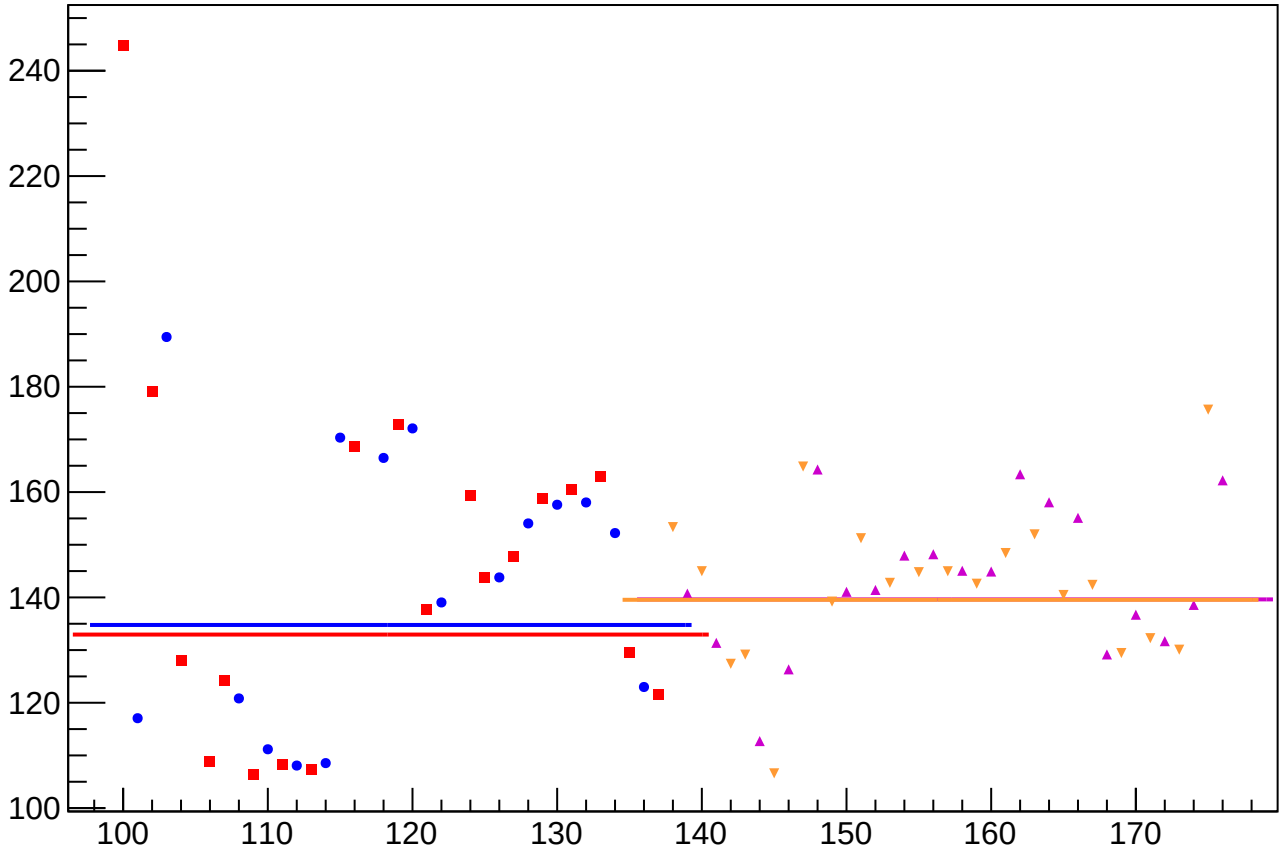
Left In: -69.682+/-35.720 χ^2/NDF:21.9/18

+ sign 10.027+/-29.061 χ^2/NDF: 45.0/35

All: -26.173+/-20.545 χ^2/NDF: 87.1/73

- sign -62.344+/-29.049 χ^2/NDF: 38.9/37

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.548+/-0.025 χ^2/NDF:352986.7/19

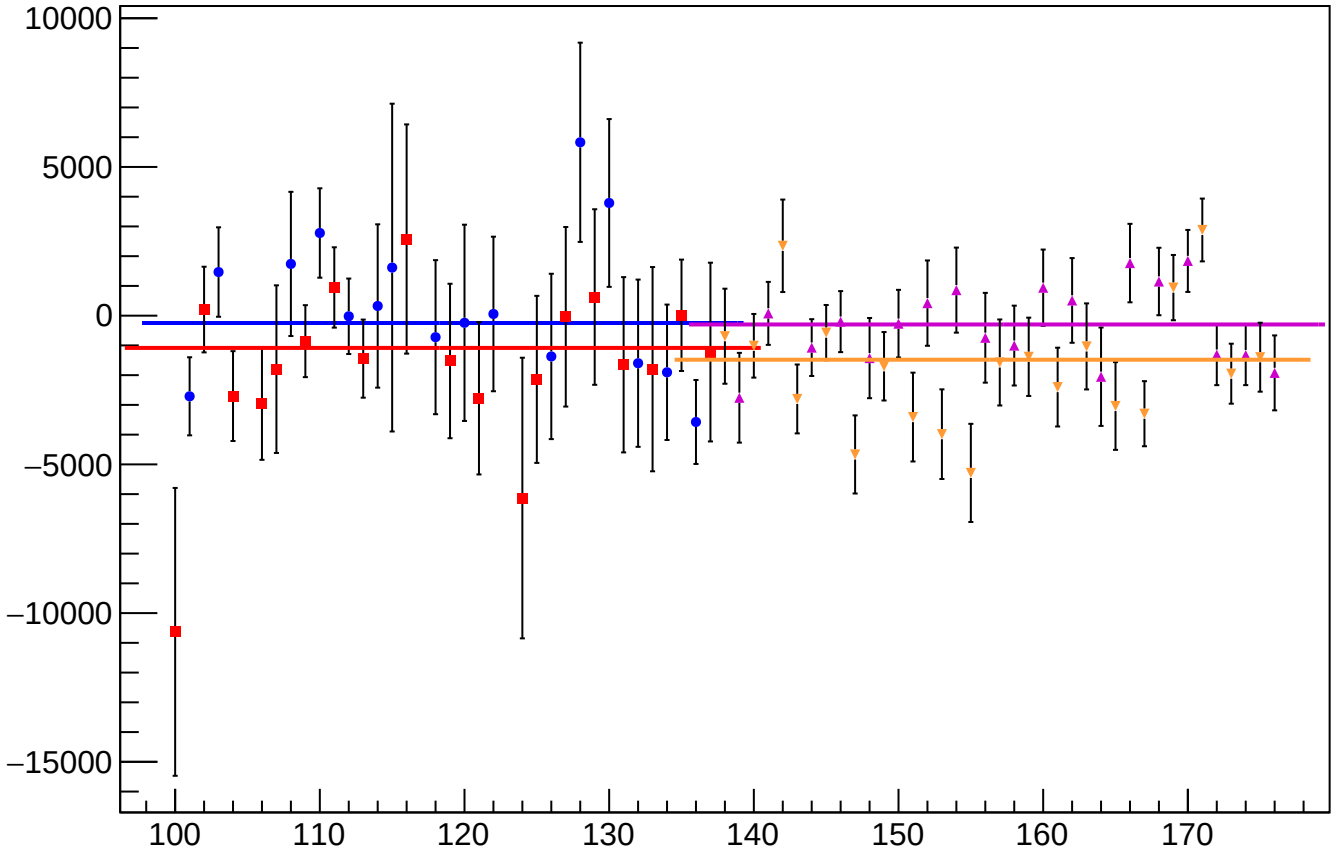
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.624+/-0.025 χ^2/NDF:284973.8/18

+ sign 138.003+/-0.021 χ^2/NDF: 781592.2/35

All: 137.683+/-0.015 χ^2/NDF: 1589565.3/73

- sign 137.363+/-0.021 χ^2/NDF: 807487.0/37



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1481.358+/-277.059 χ^2/NDF:51.1/19

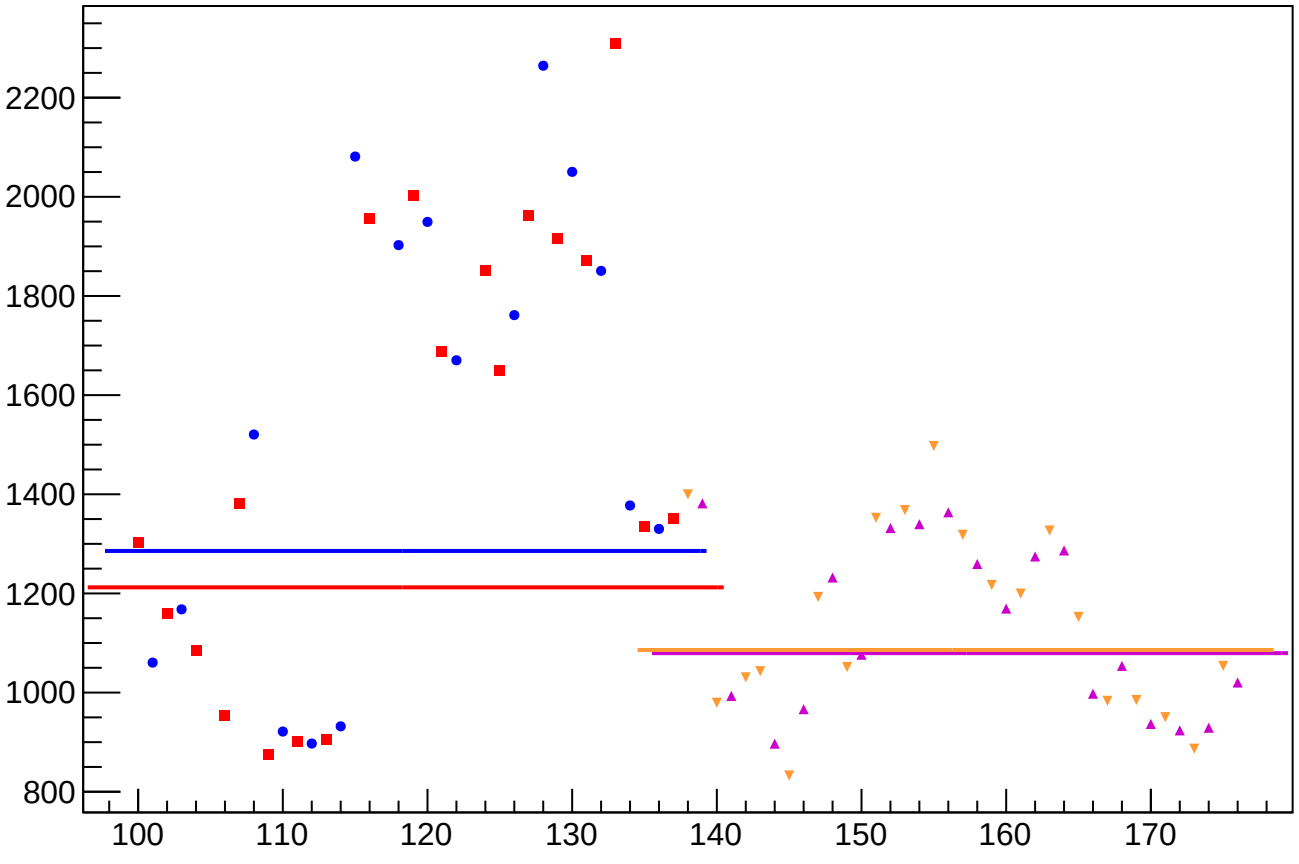
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -295.698+/-277.661 χ^2/NDF:19.8/18

+ sign -1192.507+/-242.502 χ^2/NDF: 77.3/35

All: -841.228+/-170.213 χ^2/NDF: 116.1/73

- sign -500.104+/-238.971 χ^2/NDF: 34.7/37



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1085.921+/-0.196 χ^2/NDF:816707.2/19

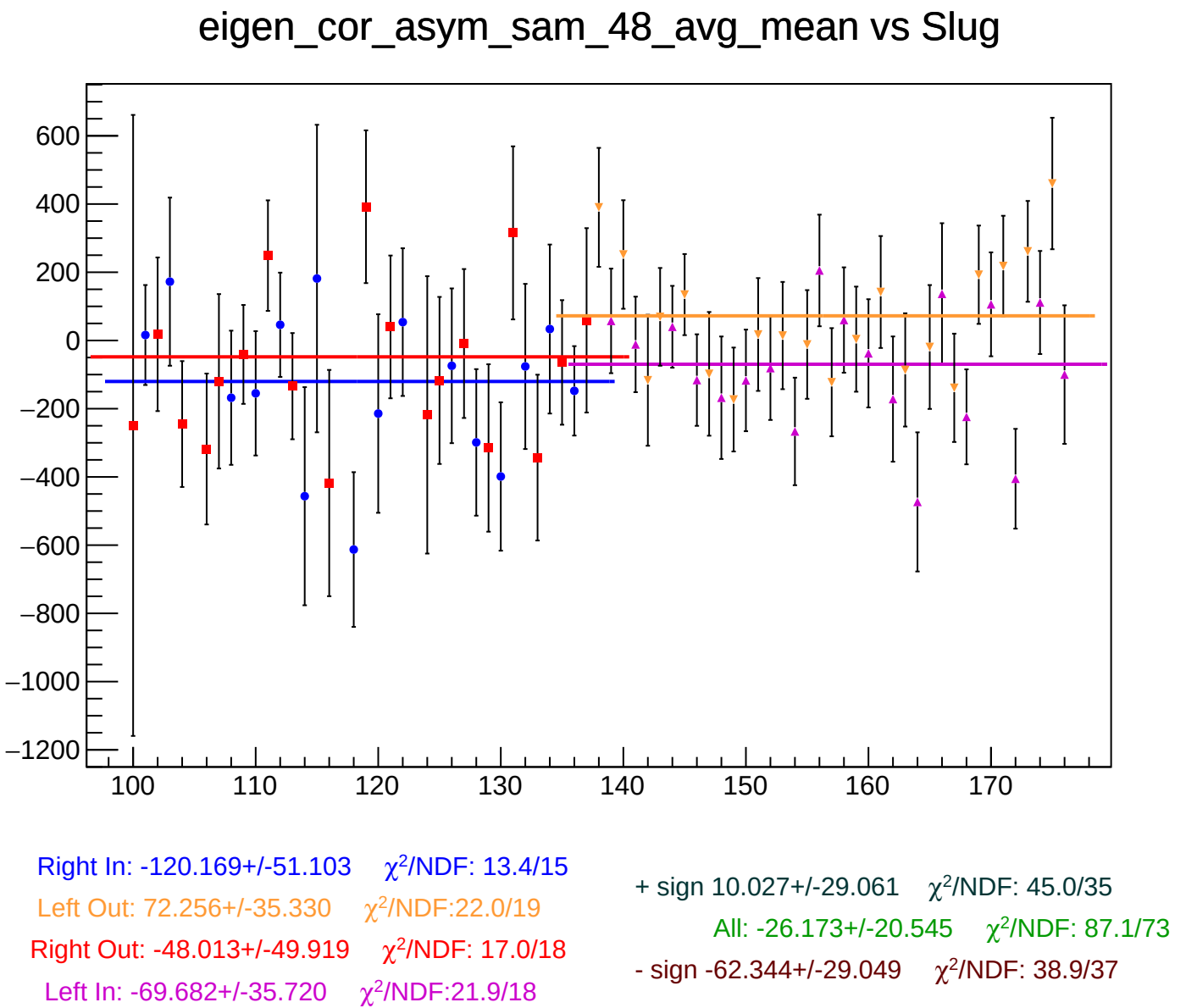
Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1079.547+/-0.196 χ^2/NDF:671221.2/18

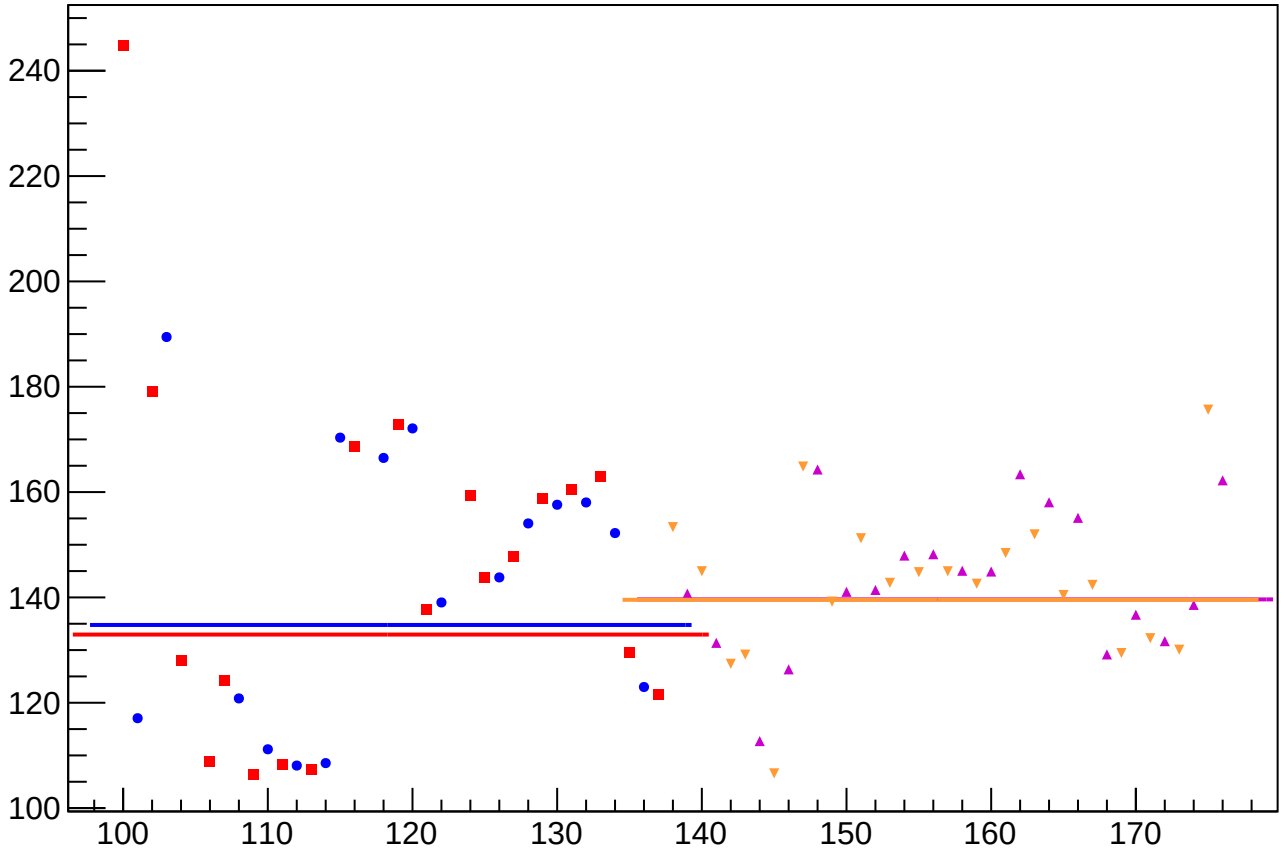
+ sign 1132.645+/-0.171 χ^2/NDF: 2230303.6/35

All: 1123.165+/-0.120 χ^2/NDF: 4426672.4/73

- sign 1113.959+/-0.169 χ^2/NDF: 2190344.5/37


eigen_cor_asym_sam_48_avg_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 72.256+/-35.330 χ²/NDF:22.0/19
Right Out: -48.013+/-49.919 χ²/NDF: 17.0/18
Left In: -69.682+/-35.720 χ²/NDF:21.9/18
+ sign 10.027+/-29.061 χ²/NDF: 45.0/35
All: -26.173+/-20.545 χ²/NDF: 87.1/73
- sign -62.344+/-29.049 χ²/NDF: 38.9/37

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.548+/-0.025 χ^2/NDF:352986.7/19

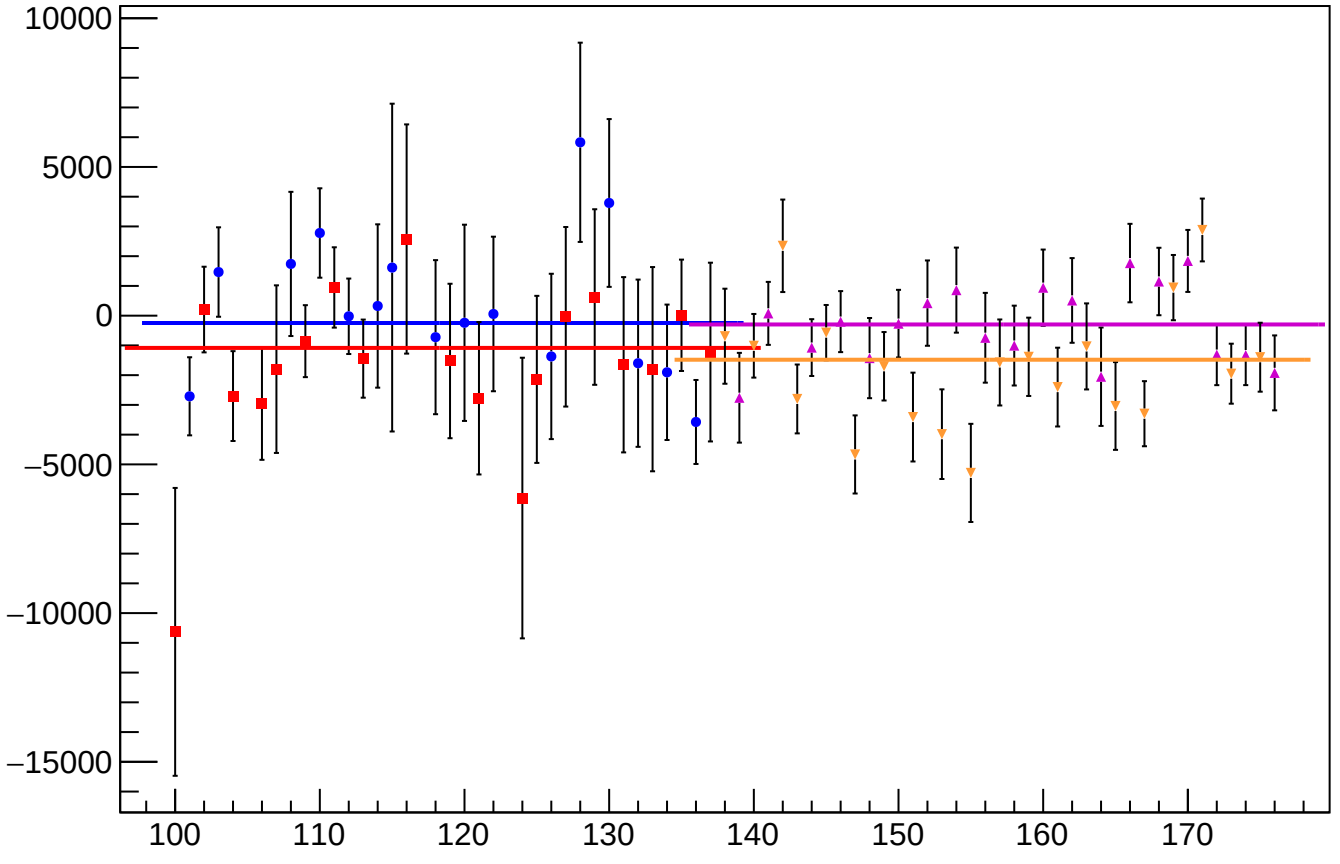
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.624+/-0.025 χ^2/NDF:284973.8/18

+ sign 138.003+/-0.021 χ^2/NDF: 781592.2/35

All: 137.683+/-0.015 χ^2/NDF: 1589565.3/73

- sign 137.363+/-0.021 χ^2/NDF: 807487.0/37



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1481.358+/-277.059 χ^2/NDF:51.1/19

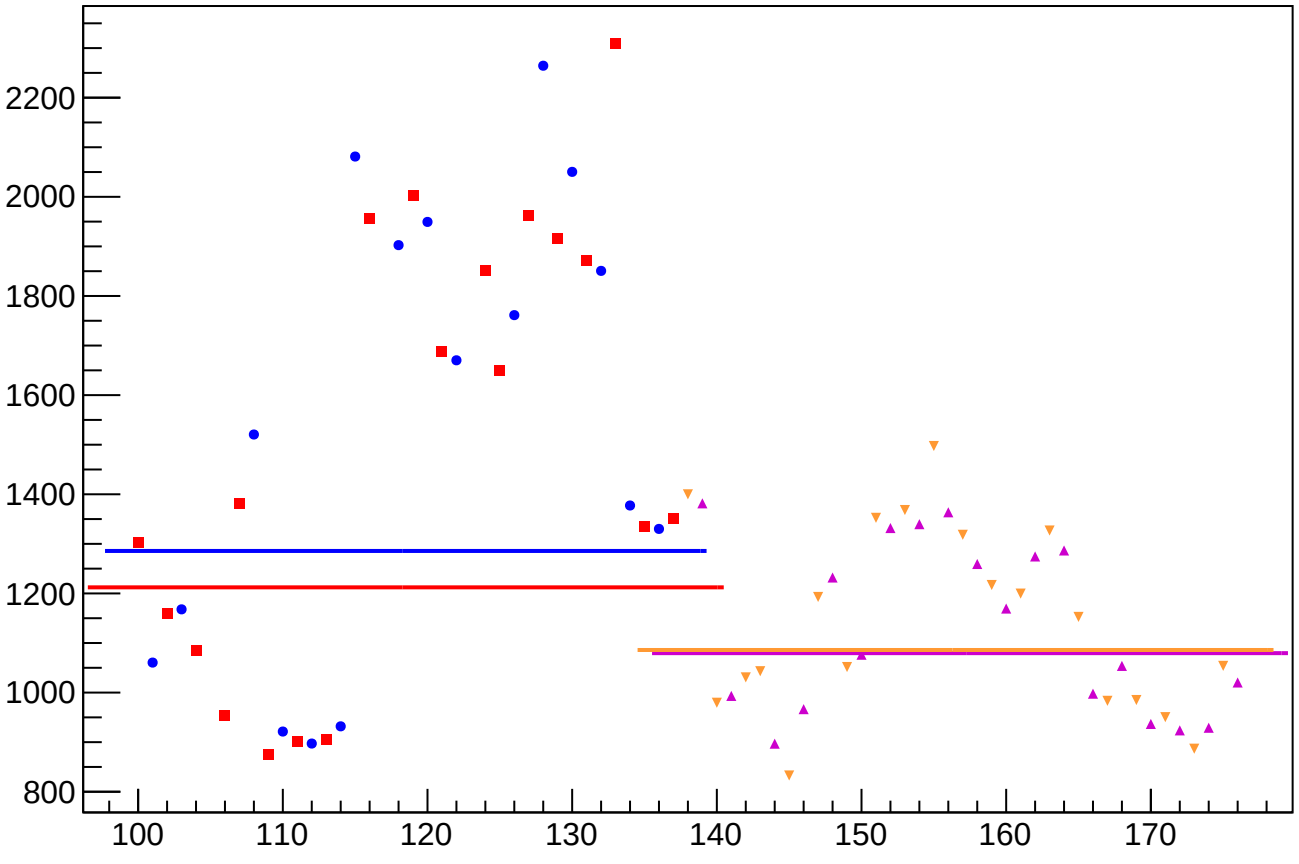
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -295.698+/-277.661 χ^2/NDF:19.8/18

\+ sign -1192.507+/-242.502 χ^2/NDF: 77.3/35

All: -841.228+/-170.213 χ^2/NDF: 116.1/73

\- sign -500.104+/-238.971 χ^2/NDF: 34.7/37



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1085.921+/-0.196 χ^2/NDF:816707.2/19

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

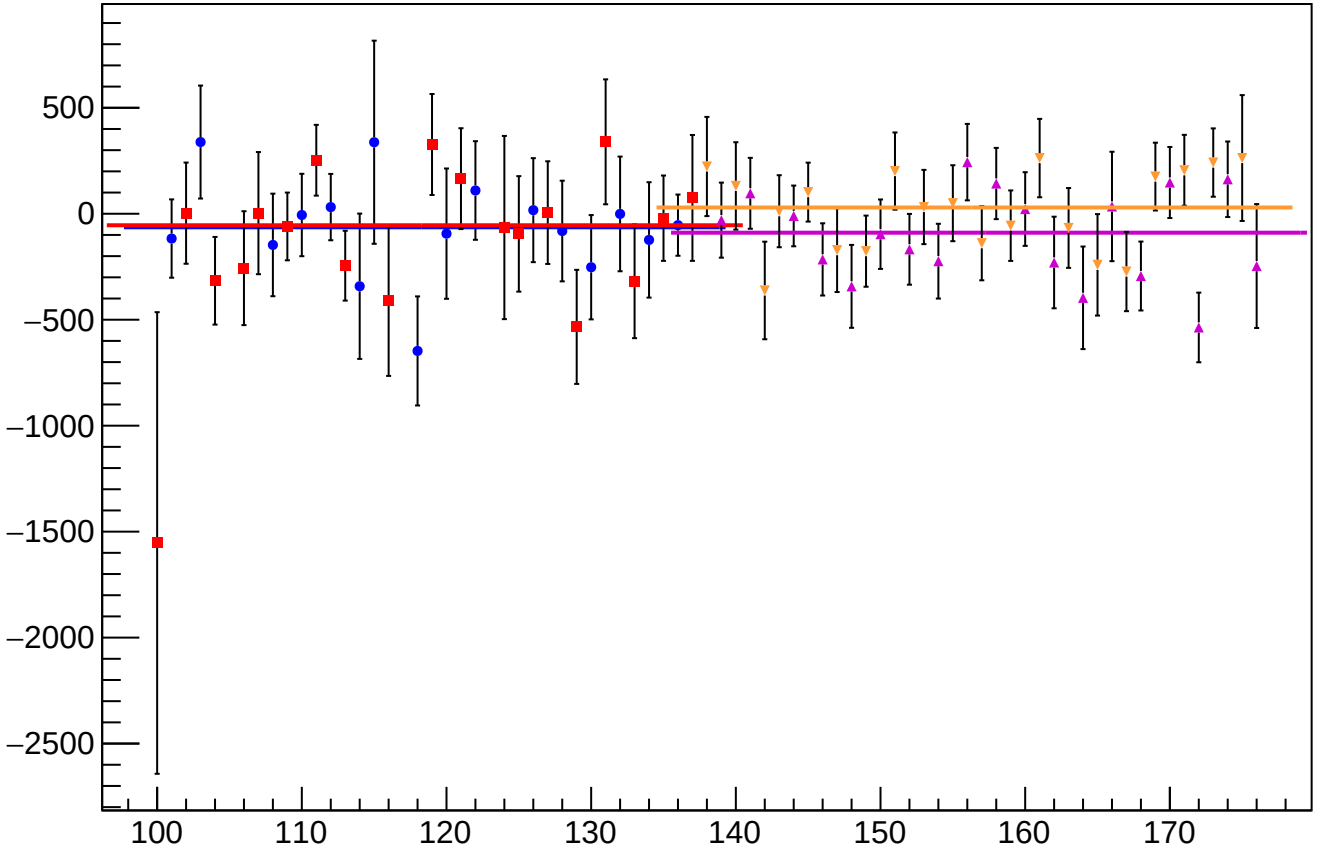
Left In: 1079.547+/-0.196 χ^2/NDF:671221.2/18

+ sign 1132.645+/-0.171 χ^2/NDF: 2230303.6/35

All: 1123.165+/-0.120 χ^2/NDF: 4426672.4/73

- sign 1113.959+/-0.169 χ^2/NDF: 2190344.5/37

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 29.540+/-40.864 χ^2/NDF:18.8/19

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

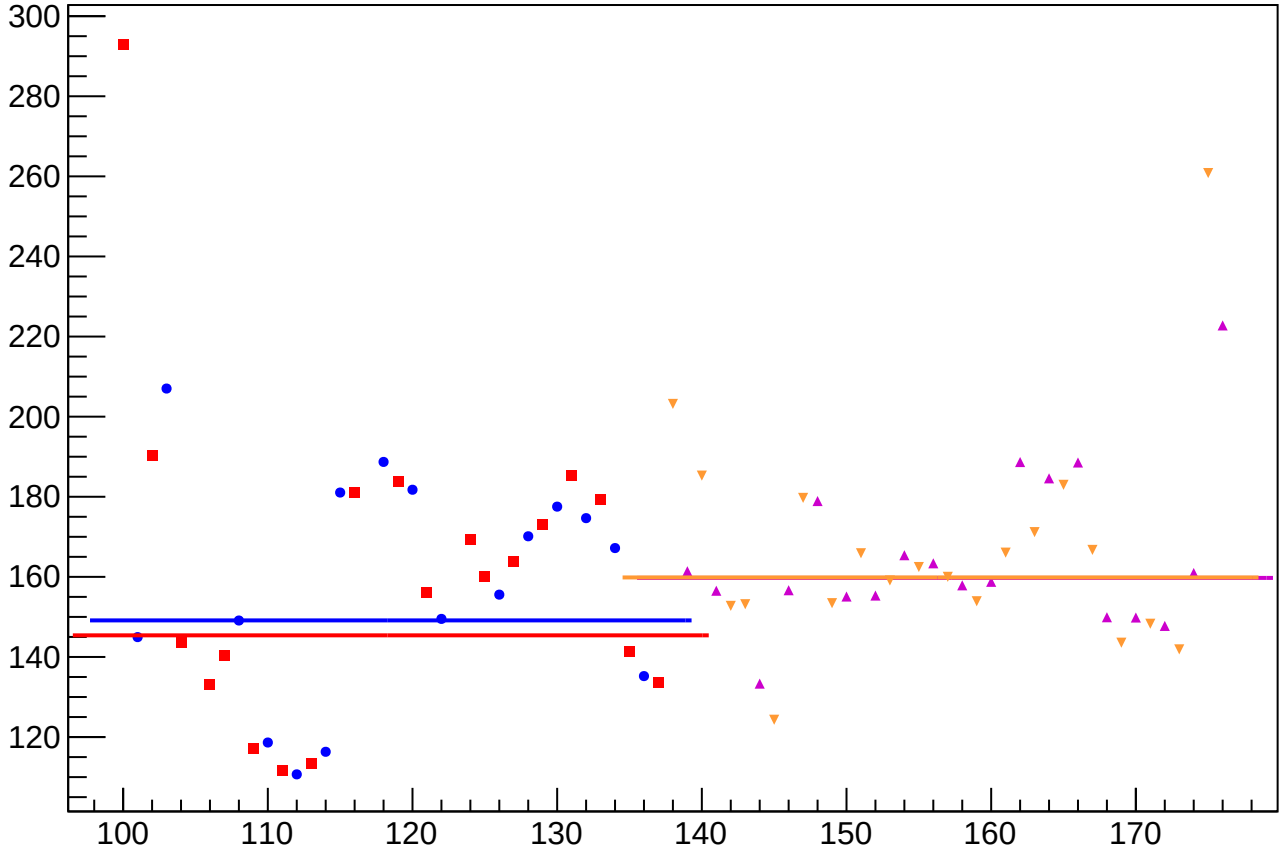
Left In: -89.351+/-41.219 χ^2/NDF:25.9/18

+ sign -2.337+/-33.158 χ^2/NDF: 31.4/35

All: -39.762+/-23.365 χ^2/NDF: 79.6/73

- sign -76.670+/-32.928 χ^2/NDF: 45.7/37

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 159.854+/-0.029 χ^2/NDF:580031.8/19

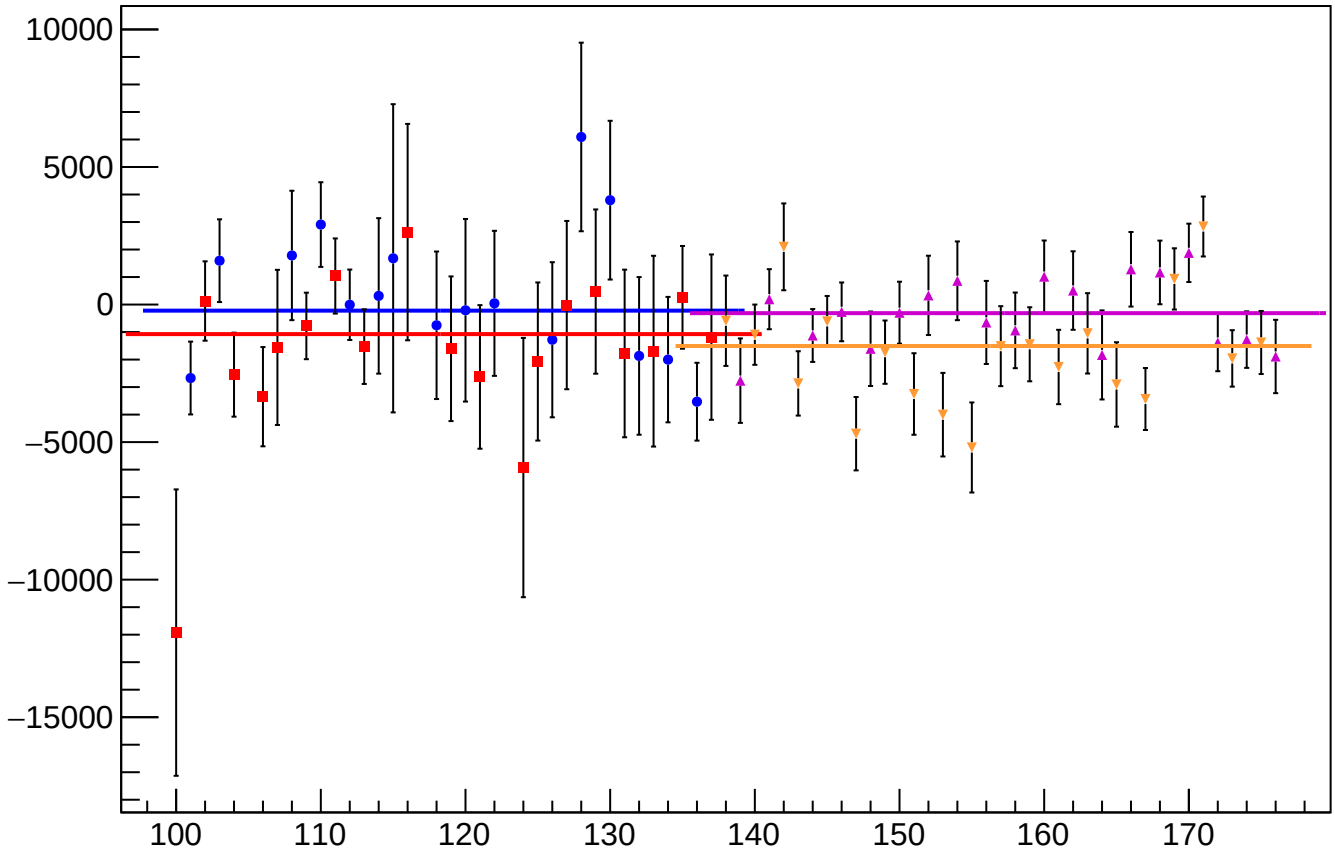
Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 159.739+/-0.029 χ^2/NDF:294798.6/18

+ sign 156.191+/-0.023 χ^2/NDF: 1078083.3/35

All: 155.365+/-0.017 χ^2/NDF: 1988743.9/73

- sign 154.550+/-0.023 χ^2/NDF: 908195.4/37



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1507.575+/-280.549 χ^2/NDF:48.0/19

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

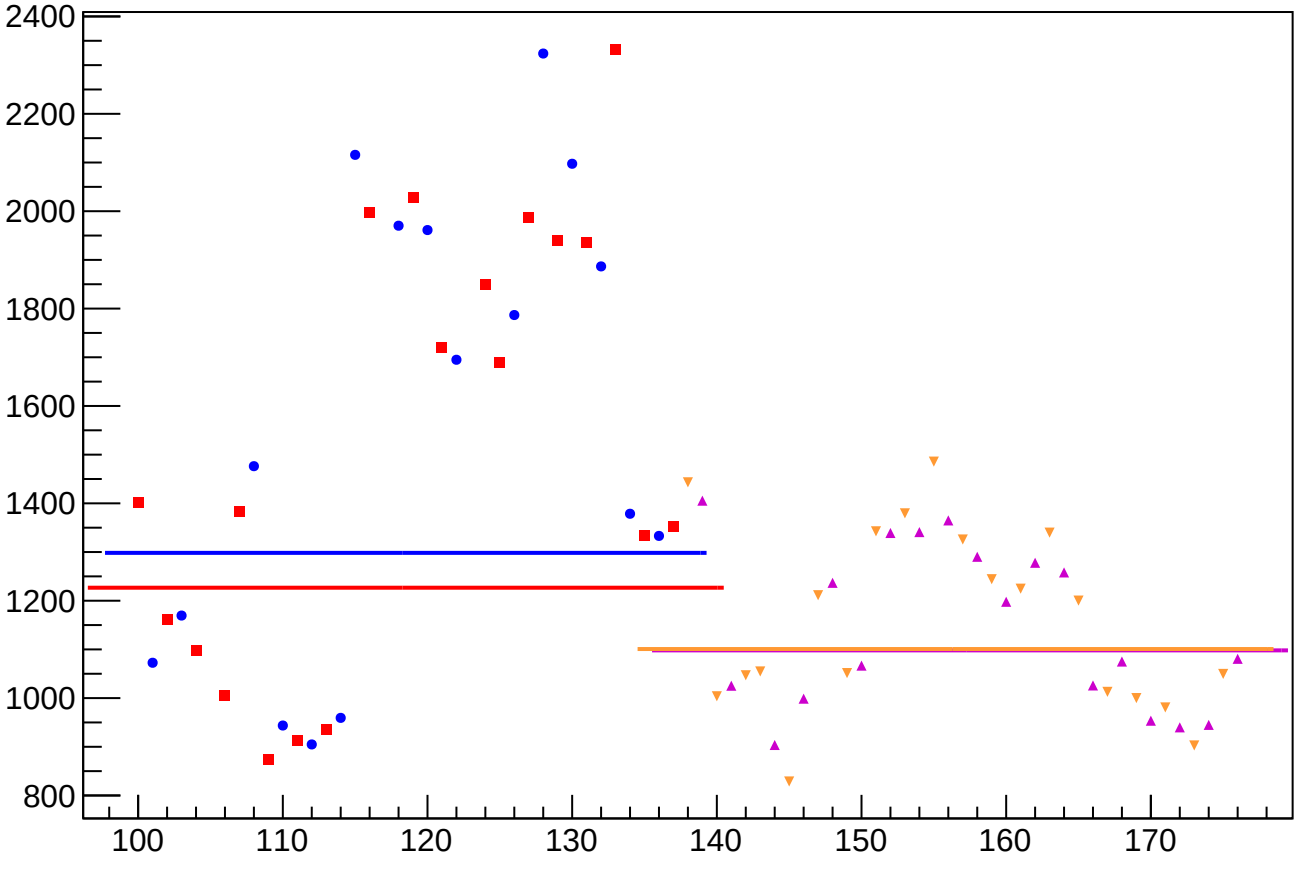
Left In: -312.638+/-282.214 χ^2/NDF:18.4/18

+ sign -1205.305+/-245.382 χ^2/NDF: 74.8/35

All: -854.691+/-172.422 χ^2/NDF: 112.7/73

- sign -512.747+/-242.330 χ^2/NDF: 33.9/37

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1100.774+/-0.198 χ^2/NDF:811119.9/19

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

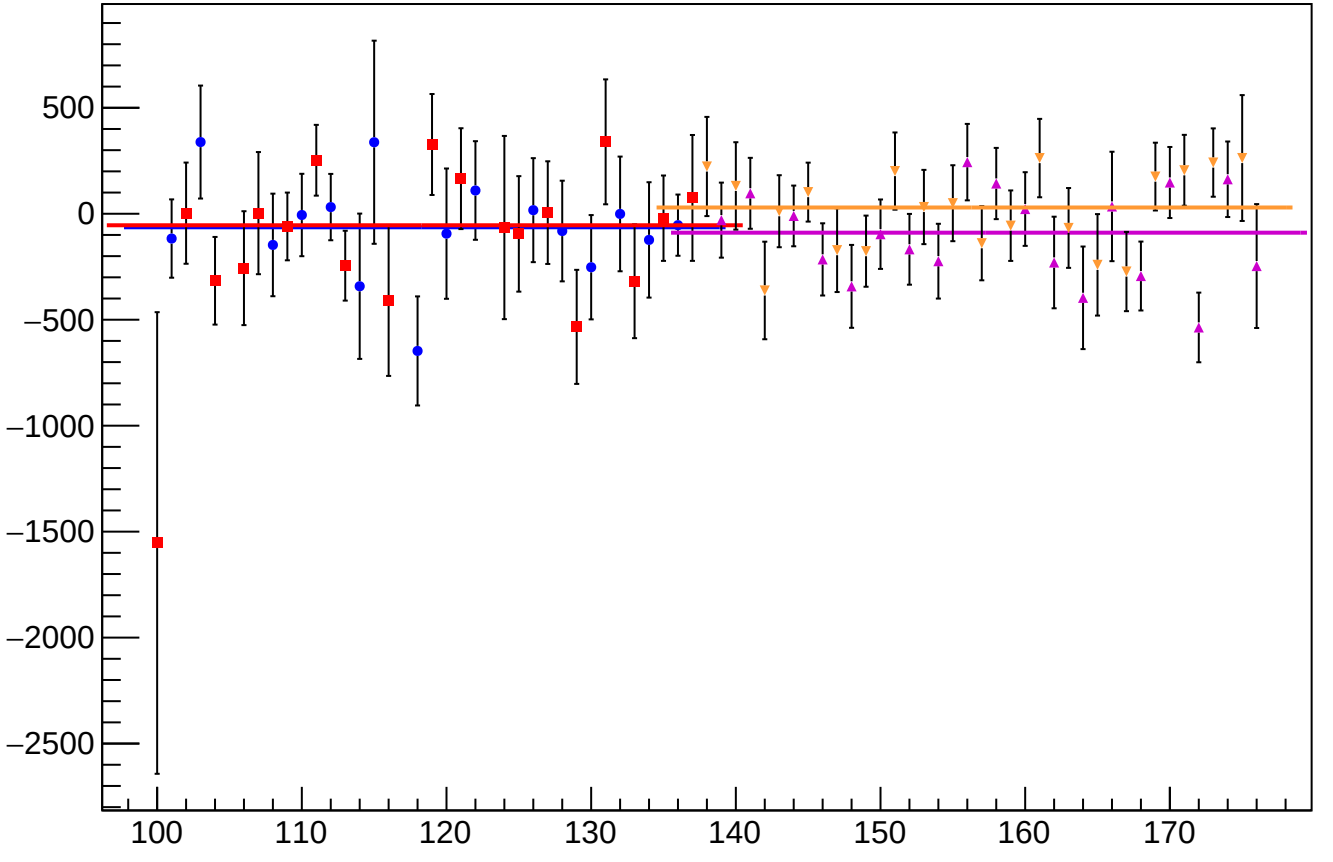
Left In: 1098.019+/-0.200 χ^2/NDF:622836.0/18

+ sign 1147.188+/-0.174 χ^2/NDF: 2226198.2/35

All: 1139.412+/-0.122 χ^2/NDF: 4366797.1/73

- sign 1131.829+/-0.171 χ^2/NDF: 2136632.2/37

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 29.543+/-40.864 χ^2/NDF:18.8/19

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

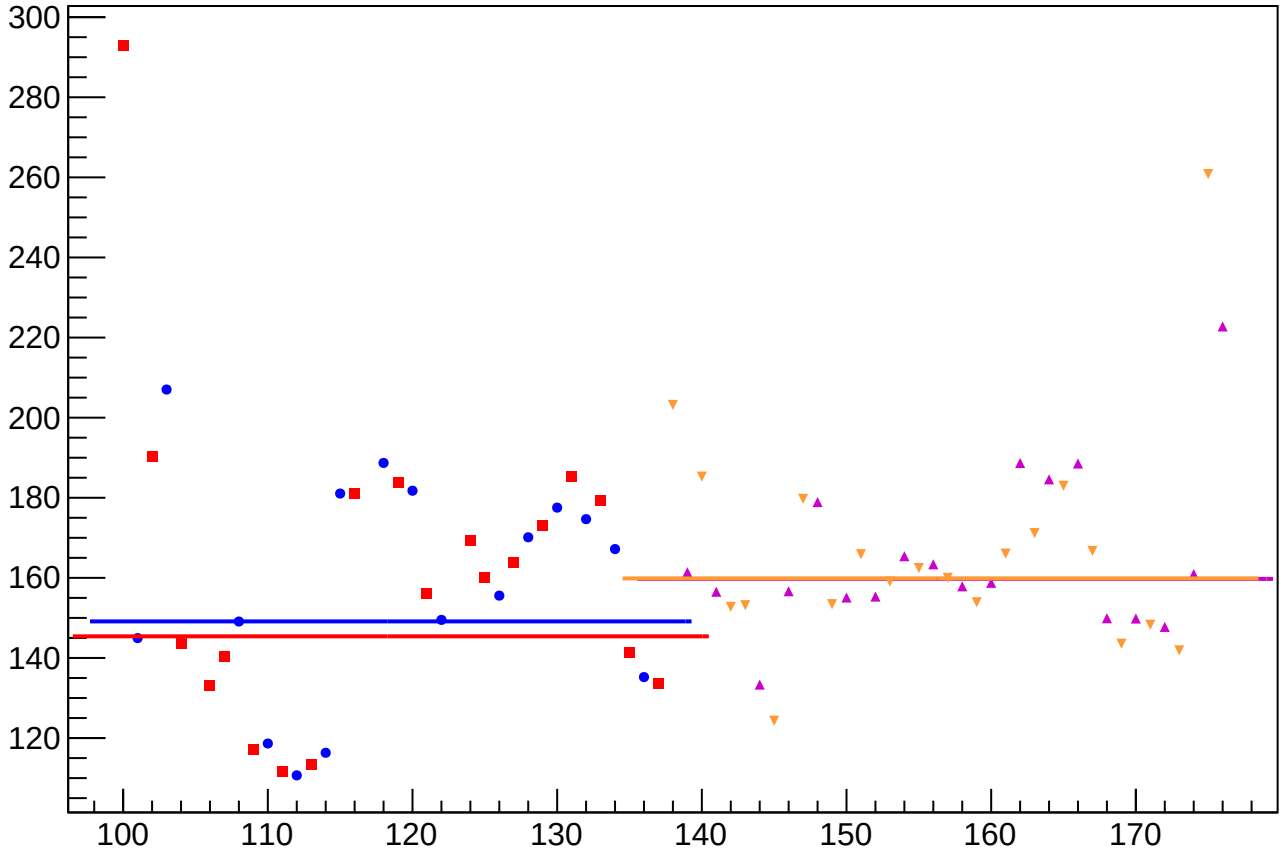
Left In: -89.350+/-41.219 χ^2/NDF:25.9/18

+ sign -2.334+/-33.158 χ^2/NDF: 31.4/35

All: -39.760+/-23.365 χ^2/NDF: 79.6/73

- sign -76.670+/-32.928 χ^2/NDF: 45.7/37

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 159.854+/-0.029 χ^2/NDF:580026.5/19

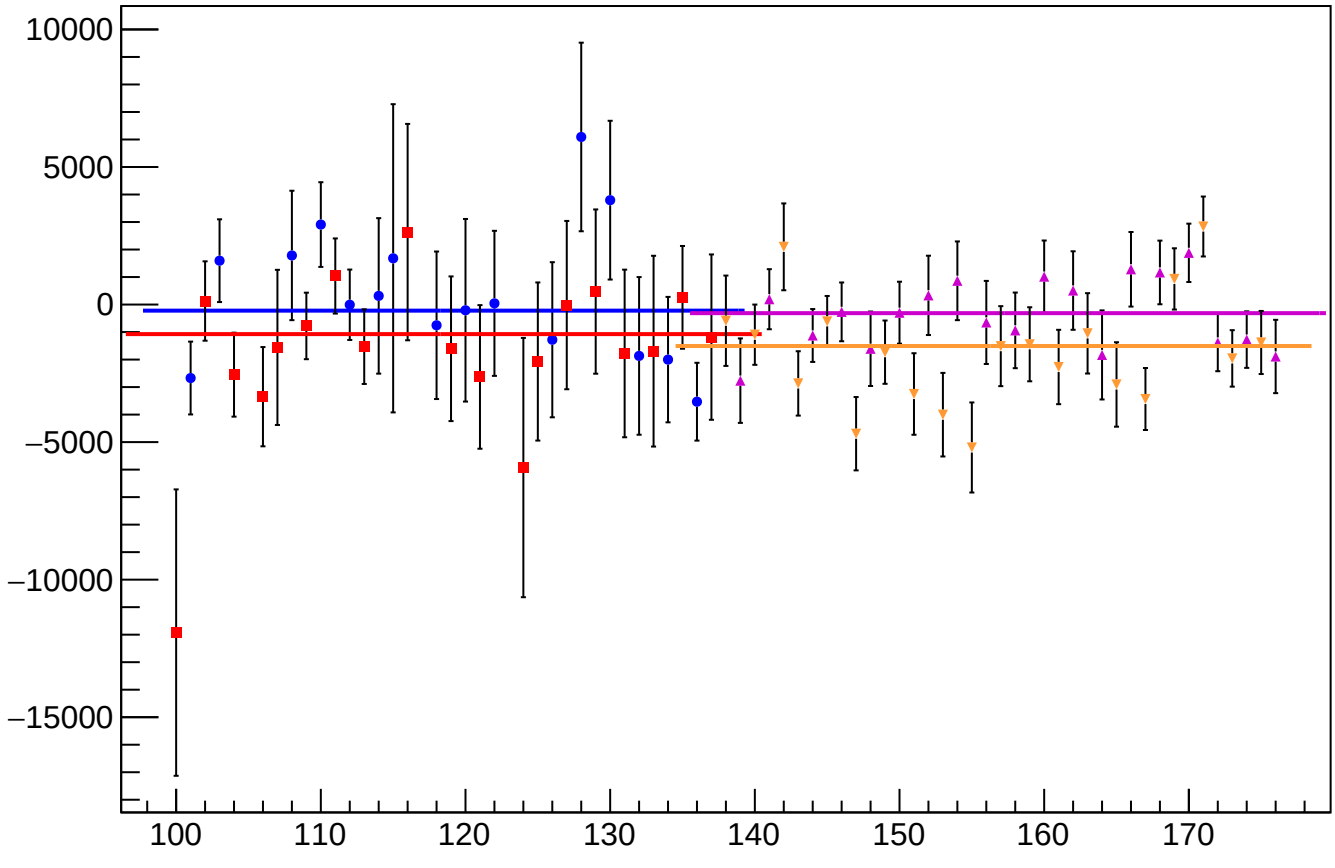
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 159.739+/-0.029 χ^2/NDF:294792.6/18

+ sign 156.191+/-0.023 χ^2/NDF: 1078082.4/35

All: 155.365+/-0.017 χ^2/NDF: 1988743.1/73

- sign 154.550+/-0.023 χ^2/NDF: 908195.3/37



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1507.572+/-280.548 χ^2/NDF:48.0/19

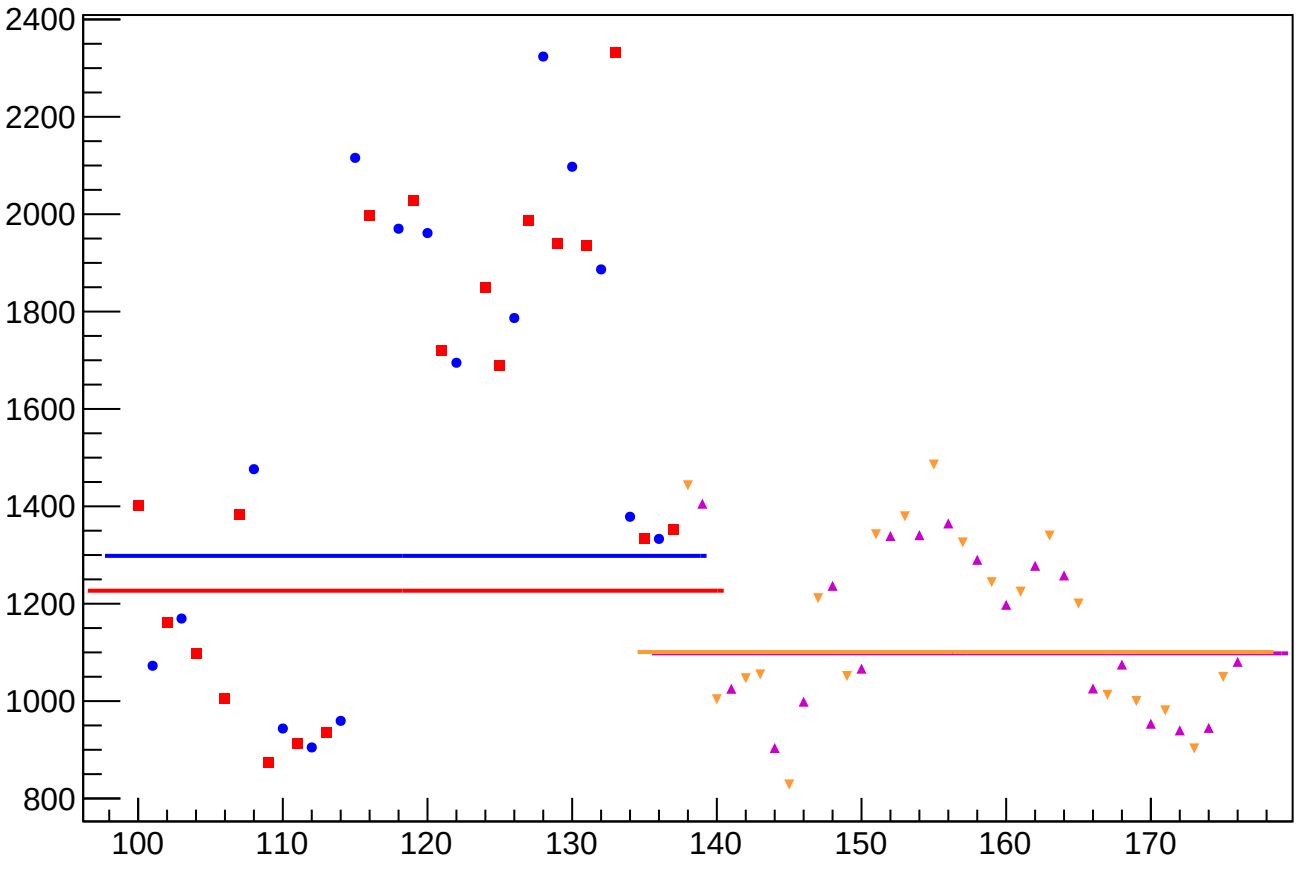
Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: -312.636+/-282.214 χ^2/NDF:18.4/18

\+ sign -1205.303+/-245.382 χ^2/NDF: 74.8/35

All: -854.689+/-172.422 χ^2/NDF: 112.7/73

\- sign -512.745+/-242.329 χ^2/NDF: 33.9/37



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1100.772+/-0.198 χ^2/NDF:811123.9/19

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

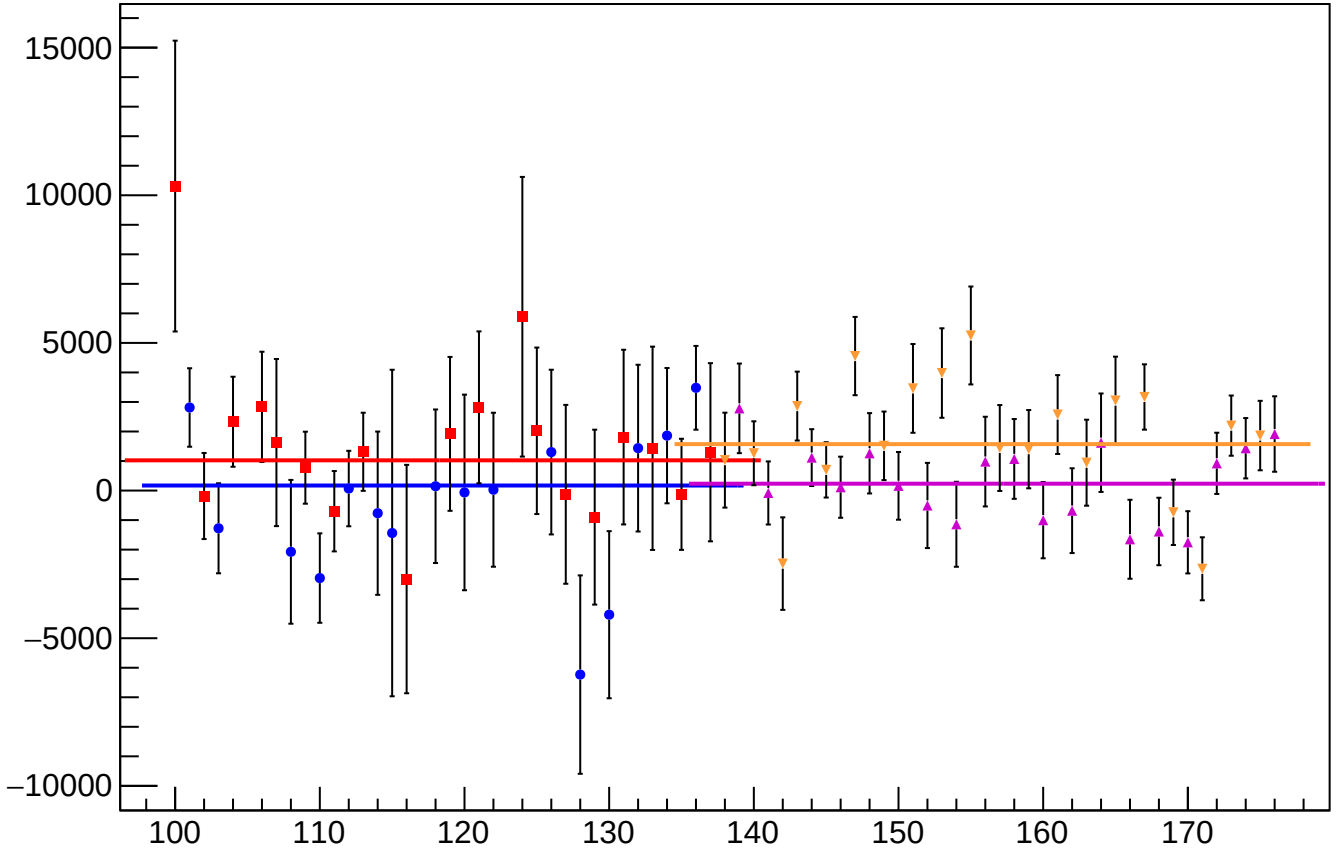
Left In: 1098.018+/-0.200 χ^2/NDF:622837.3/18

+ sign 1147.186+/-0.174 χ^2/NDF: 2226207.5/35

All: 1139.410+/-0.122 χ^2/NDF: 4366811.9/73

- sign 1131.827+/-0.171 χ^2/NDF: 2136637.5/37

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1572.503+/-279.508 χ^2/NDF:47.3/19

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

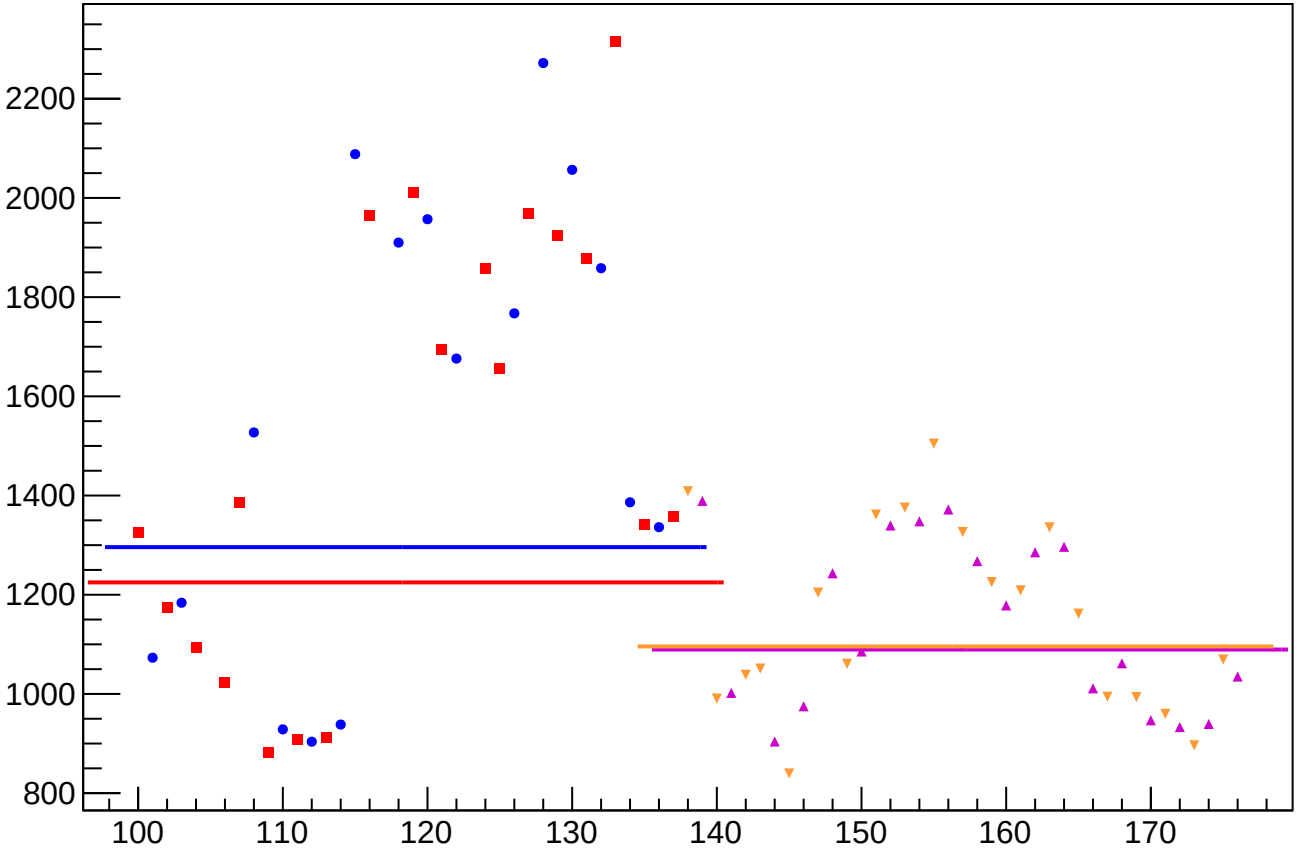
Left In: 232.533+/-280.149 χ^2/NDF:19.3/18

+ sign 1243.994+/-244.564 χ^2/NDF: 75.8/35

All: 835.255+/-171.627 χ^2/NDF: 114.2/73

- sign 438.635+/-240.911 χ^2/NDF: 32.9/37

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1095.818+/-0.198 χ^2/NDF:803369.3/19

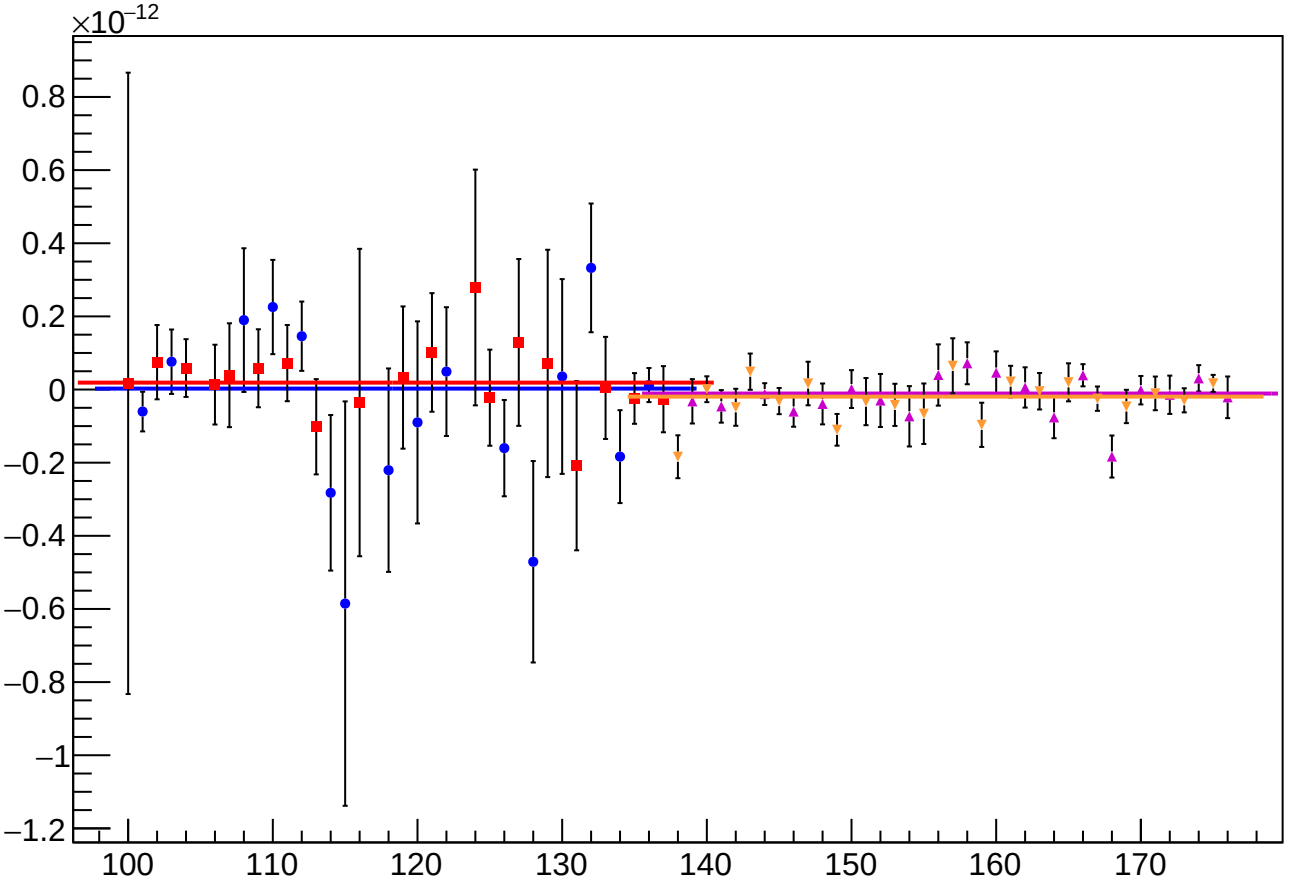
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1089.477+/-0.198 χ^2/NDF:658872.7/18

\+ sign 1142.739+/-0.173 χ^2/NDF: 2197995.4/35

All: 1133.608+/-0.121 χ^2/NDF: 4355341.0/73

\- sign 1124.748+/-0.170 χ^2/NDF: 2151852.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

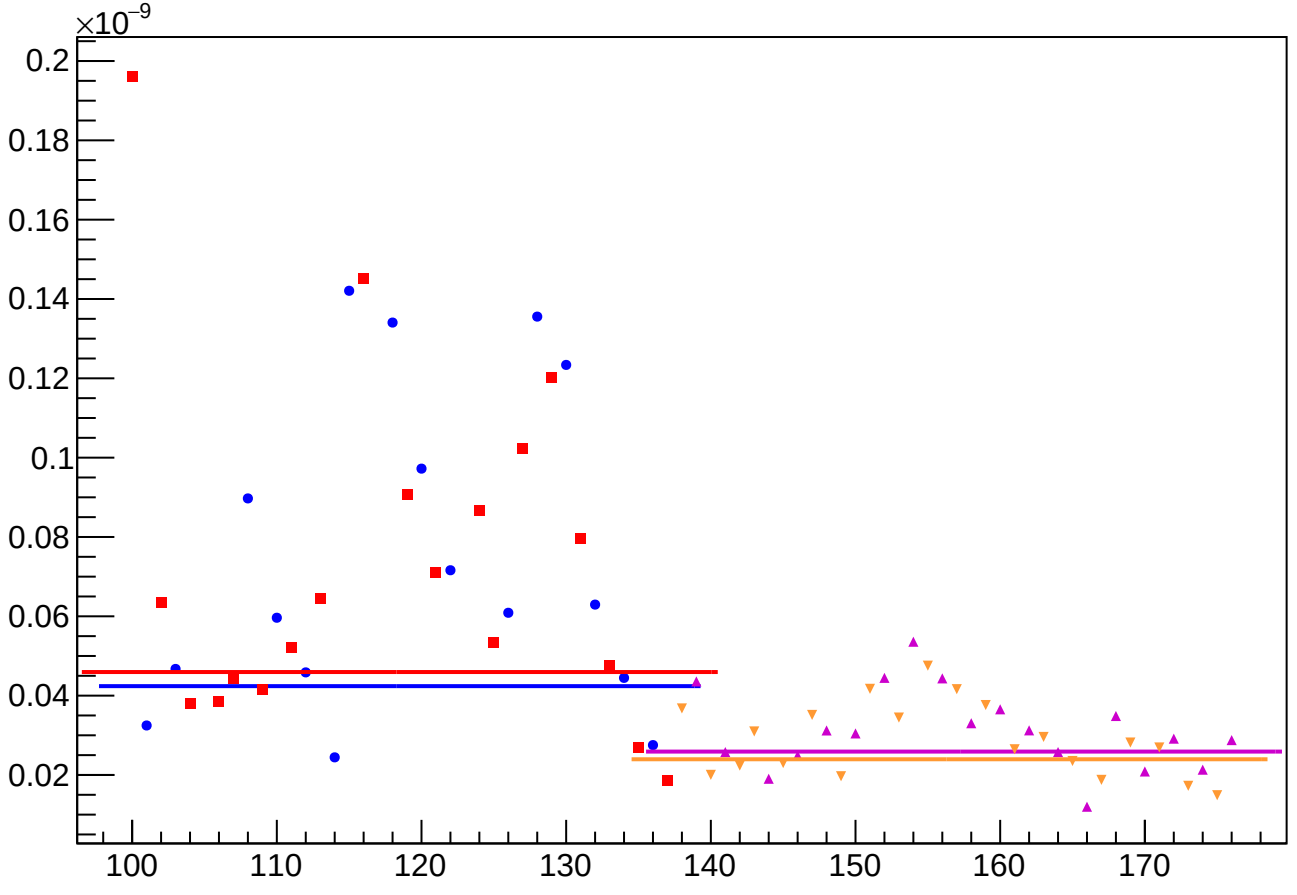
Left In: -0.000+/-0.000 χ^2/NDF:21.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 45.9/35

All: -0.000+/-0.000 χ^2/NDF: 73.1/73

- sign -0.000+/-0.000 χ^2/NDF: 26.7/37

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340105.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

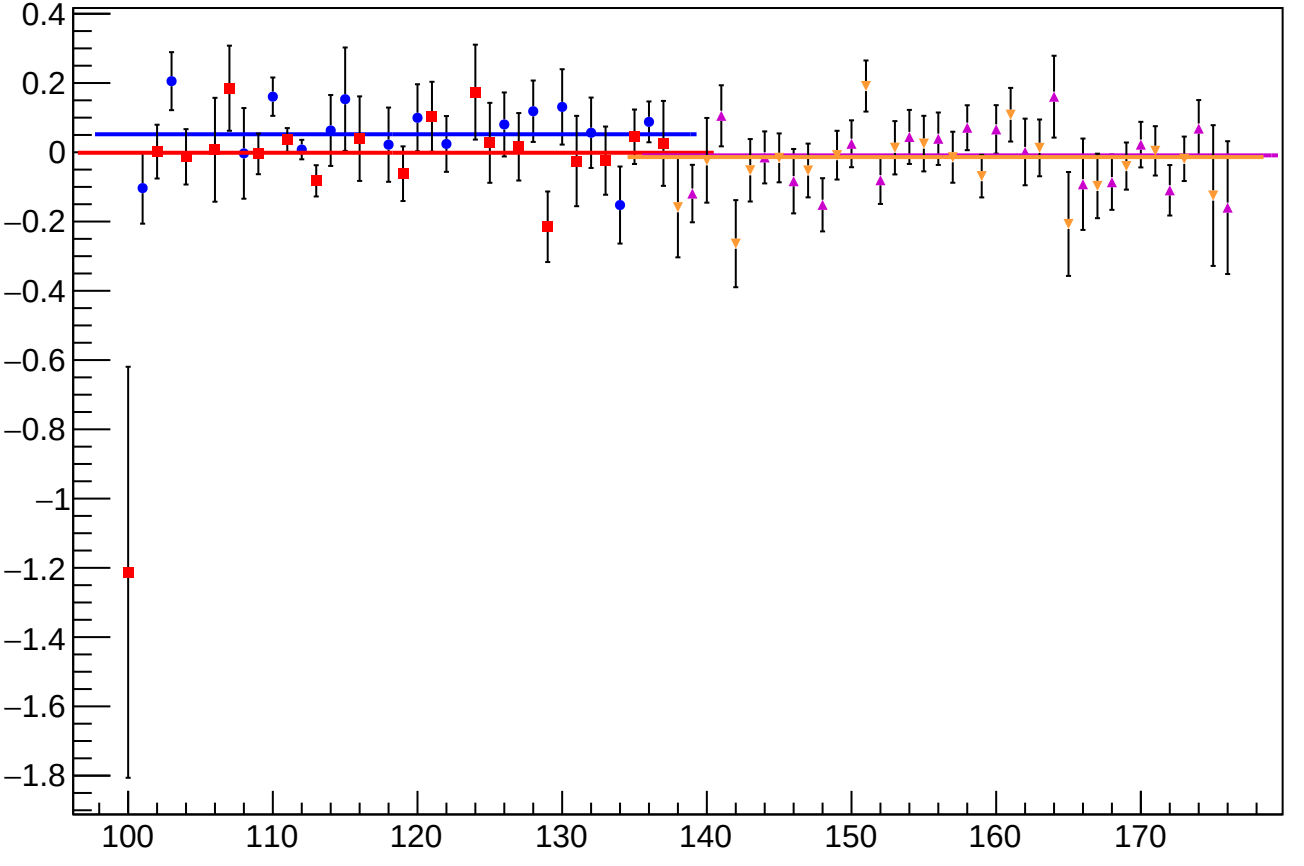
Left In: 0.000+/-0.000 χ^2/NDF:1429944.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 3516067.1/35

All: 0.000+/-0.000 χ^2/NDF: 6964820.8/73

- sign 0.000+/-0.000 χ^2/NDF: 3392490.0/37

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: -0.014+/-0.018 χ^2/NDF:19.9/19

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

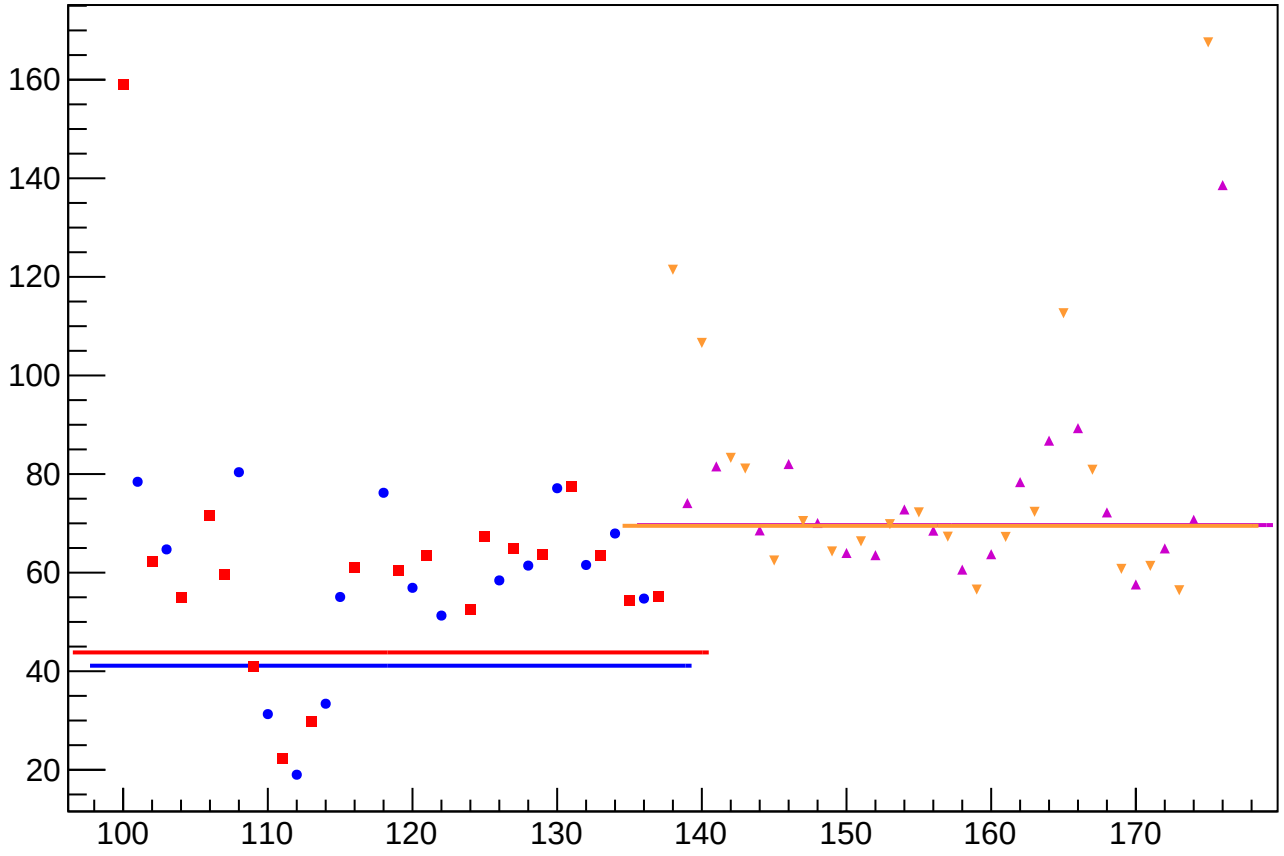
Left In: -0.009+/-0.018 χ^2/NDF:19.5/18

+ sign 0.020+/-0.013 χ^2/NDF: 44.5/35

All: 0.008+/-0.009 χ^2/NDF: 85.2/73

- sign -0.005+/-0.013 χ^2/NDF: 38.8/37

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: 69.504+/-0.013 χ^2/NDF:1433869.9/19

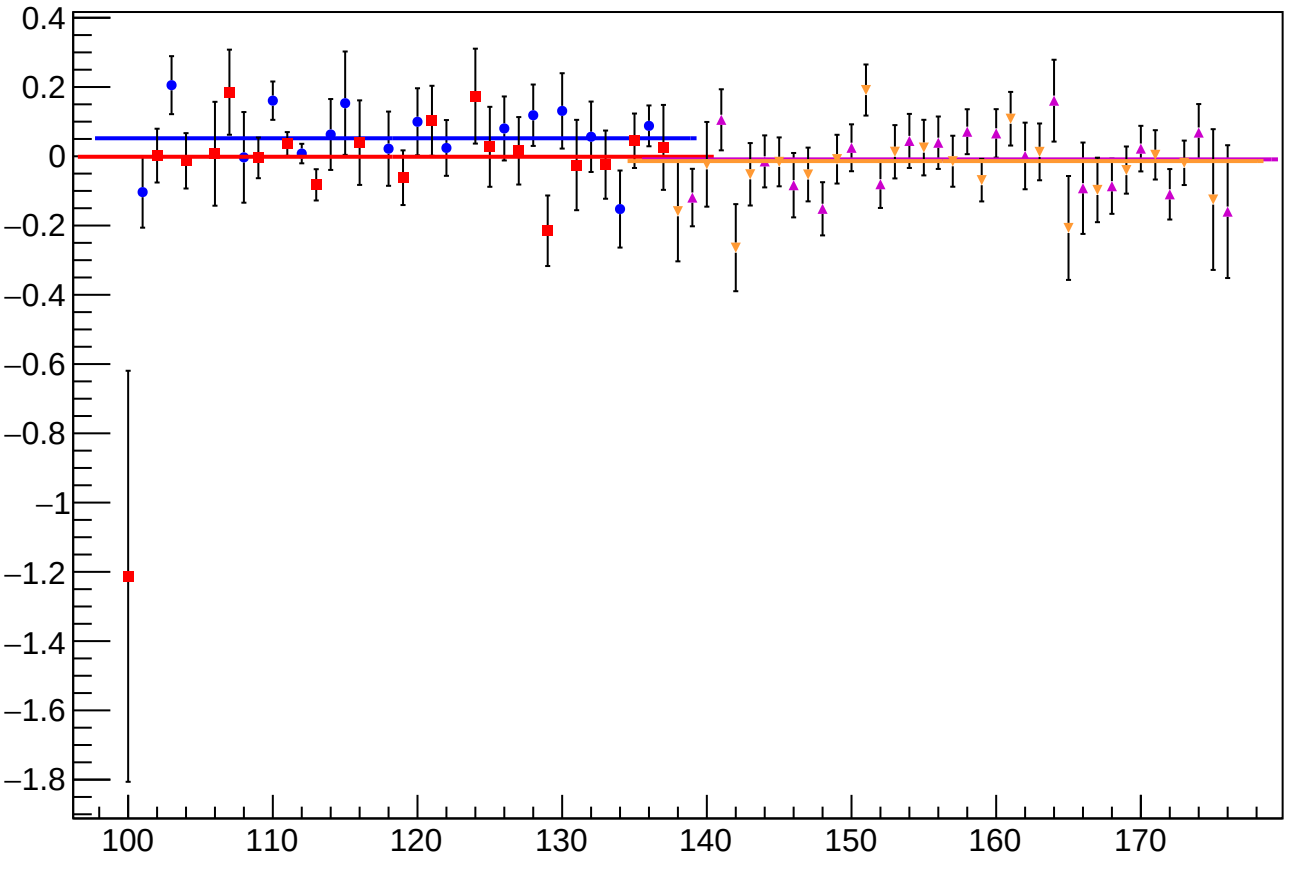
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.649+/-0.013 χ^2/NDF:604225.6/18

+ sign 54.887+/-0.009 χ^2/NDF: 6833464.2/35

All: 55.615+/-0.006 χ^2/NDF: 11515798.8/73

- sign 56.356+/-0.009 χ^2/NDF: 4669173.2/37



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.018 χ^2/NDF:19.9/19

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

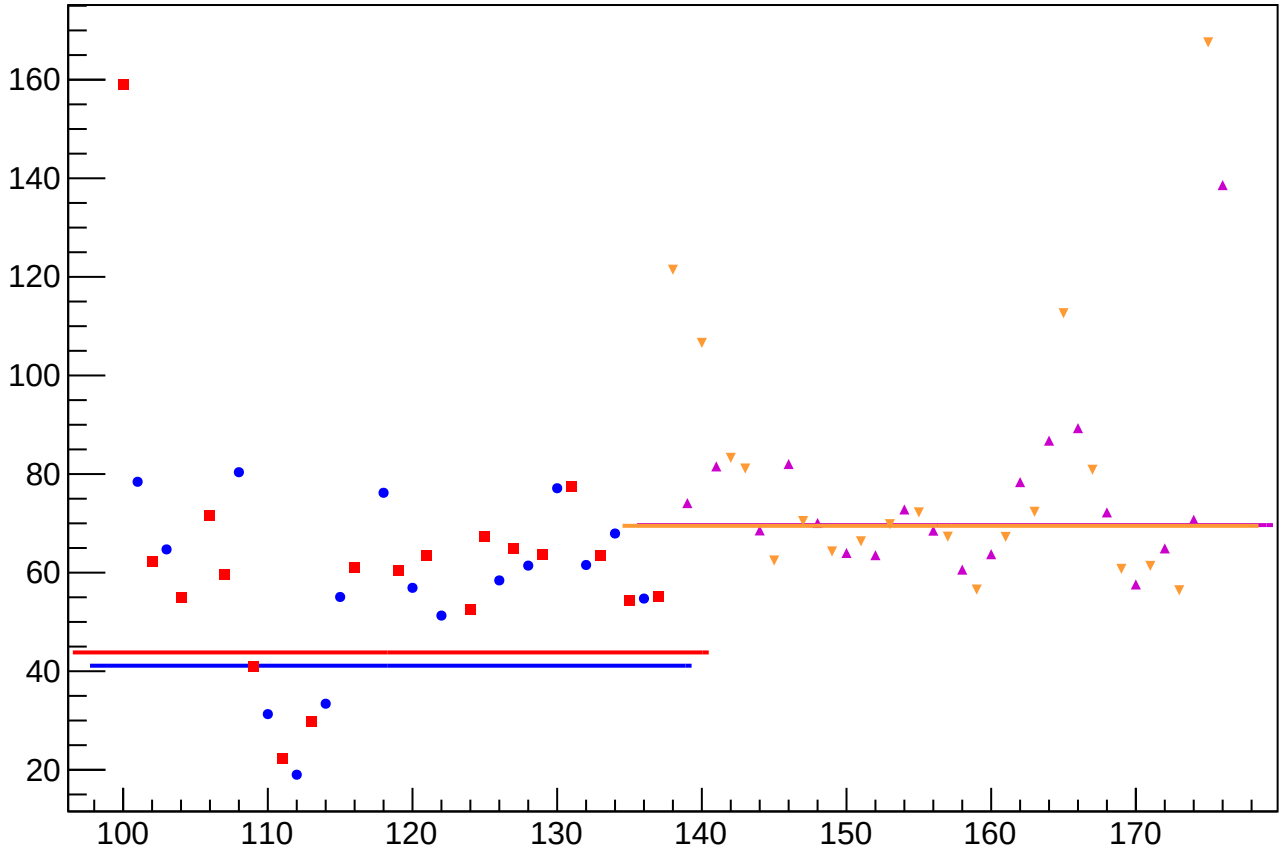
Left In: -0.009+/-0.018 χ^2/NDF:19.5/18

+ sign 0.020+/-0.013 χ^2/NDF: 44.5/35

All: 0.008+/-0.009 χ^2/NDF: 85.2/73

- sign -0.005+/-0.013 χ^2/NDF: 38.8/37

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: 69.504+/-0.013 χ^2/NDF:1433869.9/19

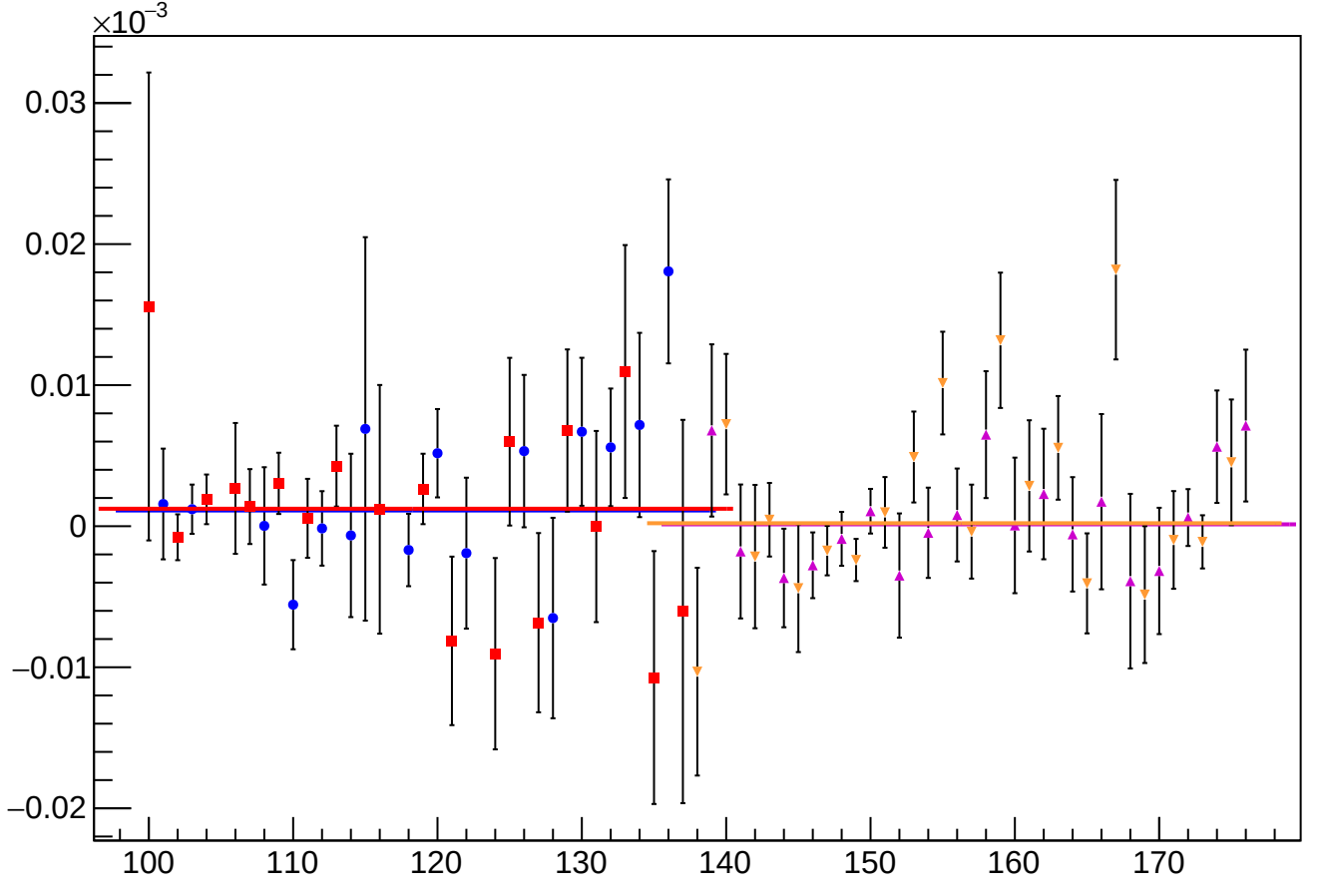
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.649+/-0.013 χ^2/NDF:604225.6/18

+ sign 54.887+/-0.009 χ^2/NDF: 6833464.2/35

All: 55.615+/-0.006 χ^2/NDF: 11515798.8/73

- sign 56.356+/-0.009 χ^2/NDF: 4669173.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/19

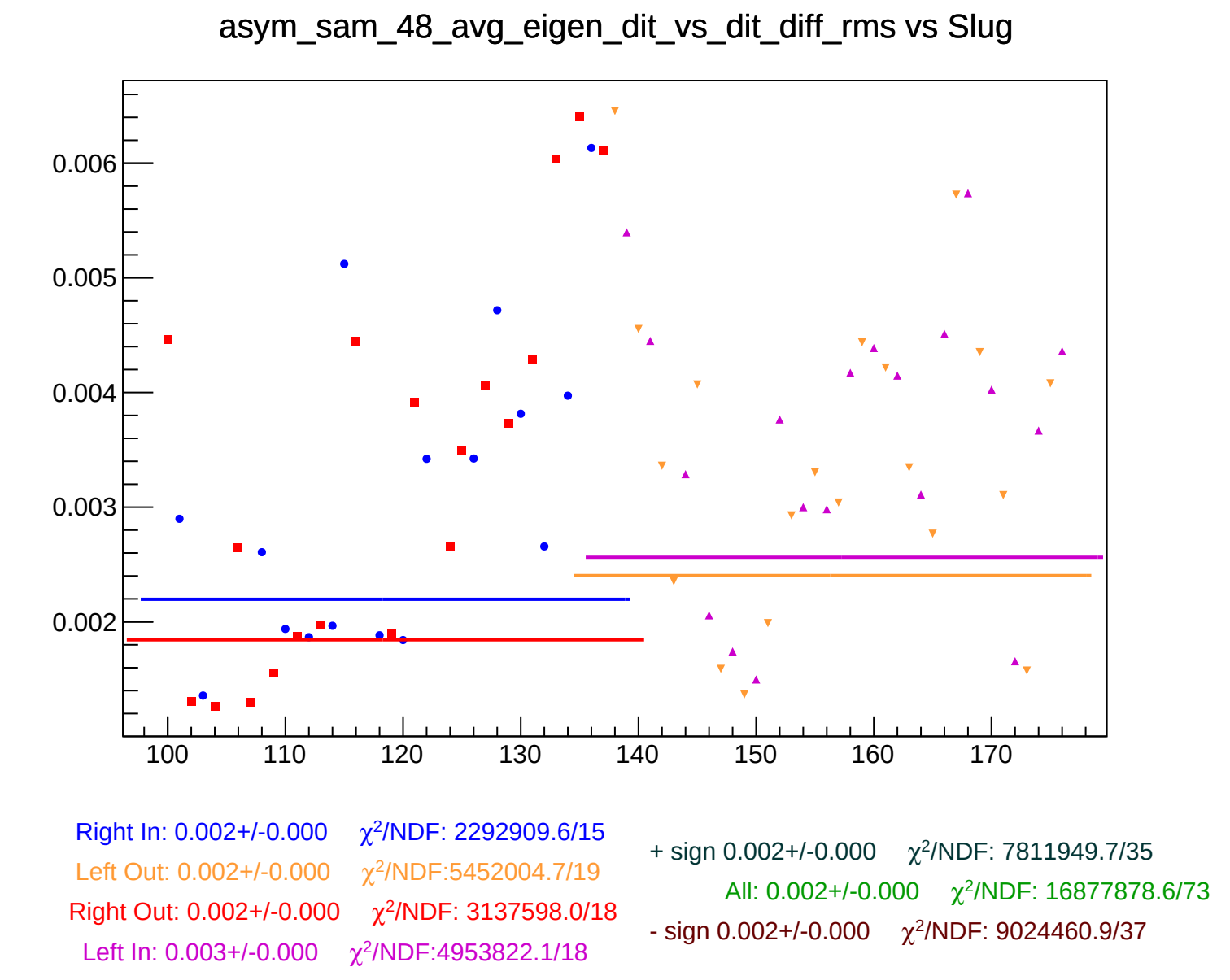
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/18

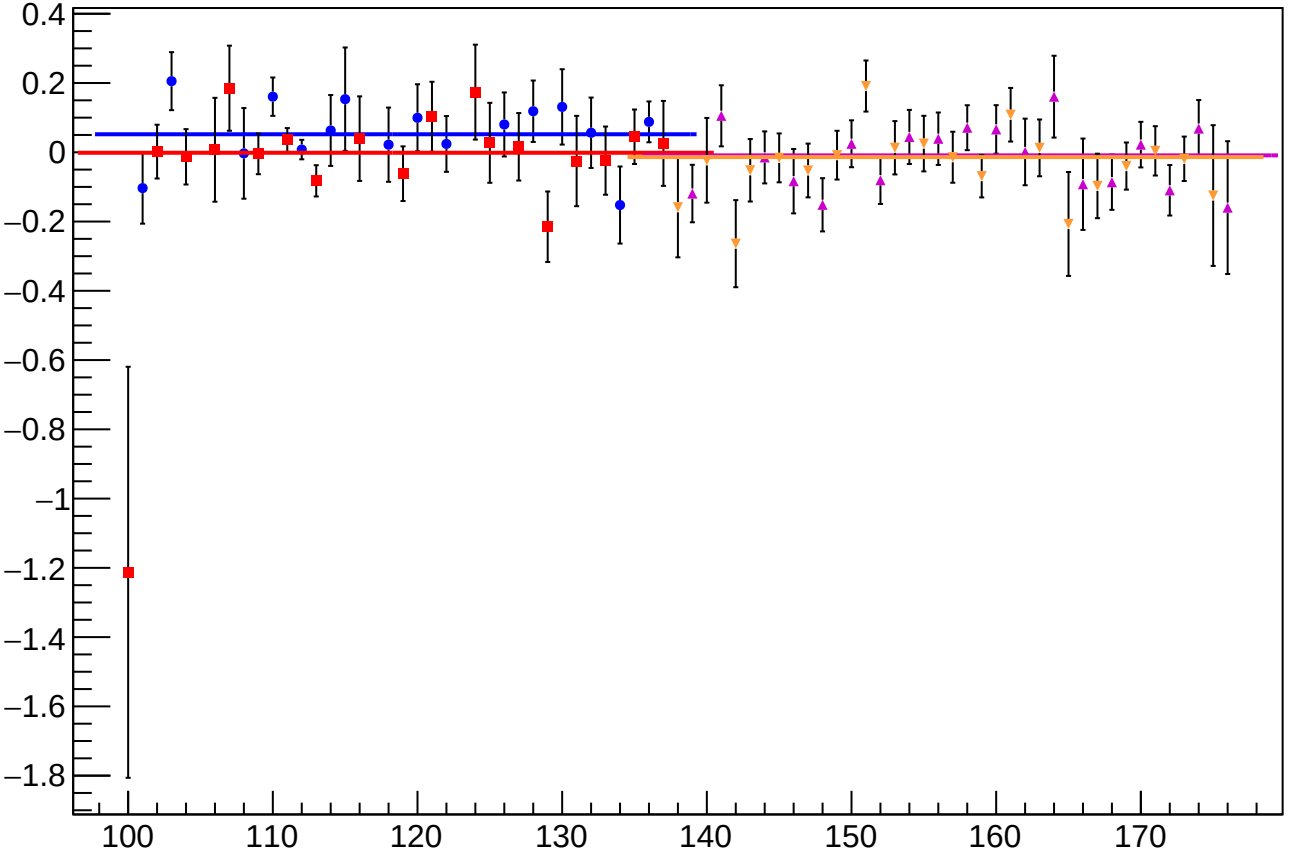
+ sign 0.000+/-0.000 χ^2/NDF: 61.6/35

All: 0.000+/-0.000 χ^2/NDF: 91.1/73

- sign 0.000+/-0.000 χ^2/NDF: 29.5/37


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 2292909.6/15
Left Out: 0.002+/-0.000 χ²/NDF:5452004.7/19
Right Out: 0.002+/-0.000 χ²/NDF: 3137598.0/18
Left In: 0.003+/-0.000 χ²/NDF:4953822.1/18
+ sign 0.002+/-0.000 χ²/NDF: 7811949.7/35
All: 0.002+/-0.000 χ²/NDF: 16877878.6/73
- sign 0.002+/-0.000 χ²/NDF: 9024460.9/37

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.018 χ^2/NDF:19.9/19

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

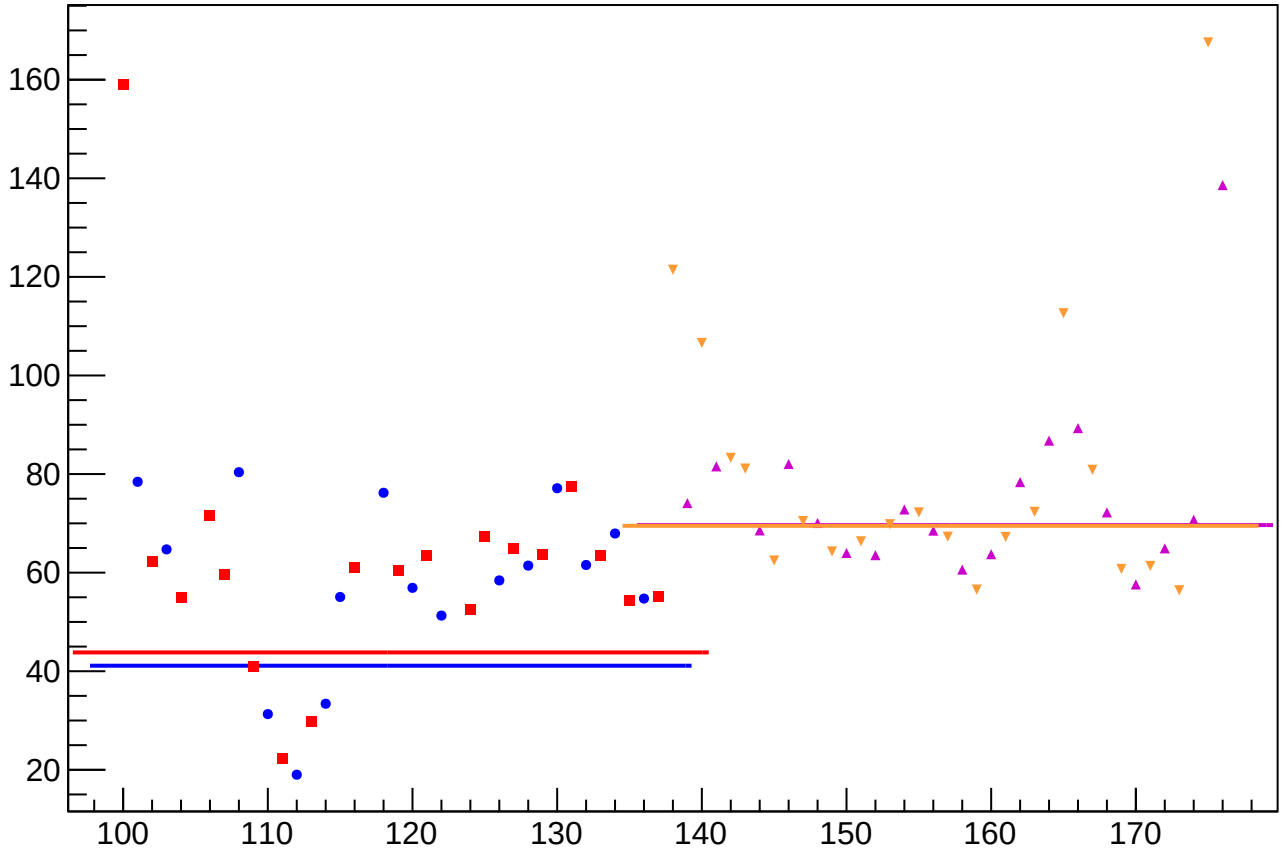
Left In: -0.009+/-0.018 χ^2/NDF:19.5/18

+ sign 0.020+/-0.013 χ^2/NDF: 44.5/35

All: 0.008+/-0.009 χ^2/NDF: 85.2/73

- sign -0.005+/-0.013 χ^2/NDF: 38.8/37

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: 69.504+/-0.013 χ^2/NDF:1433845.5/19

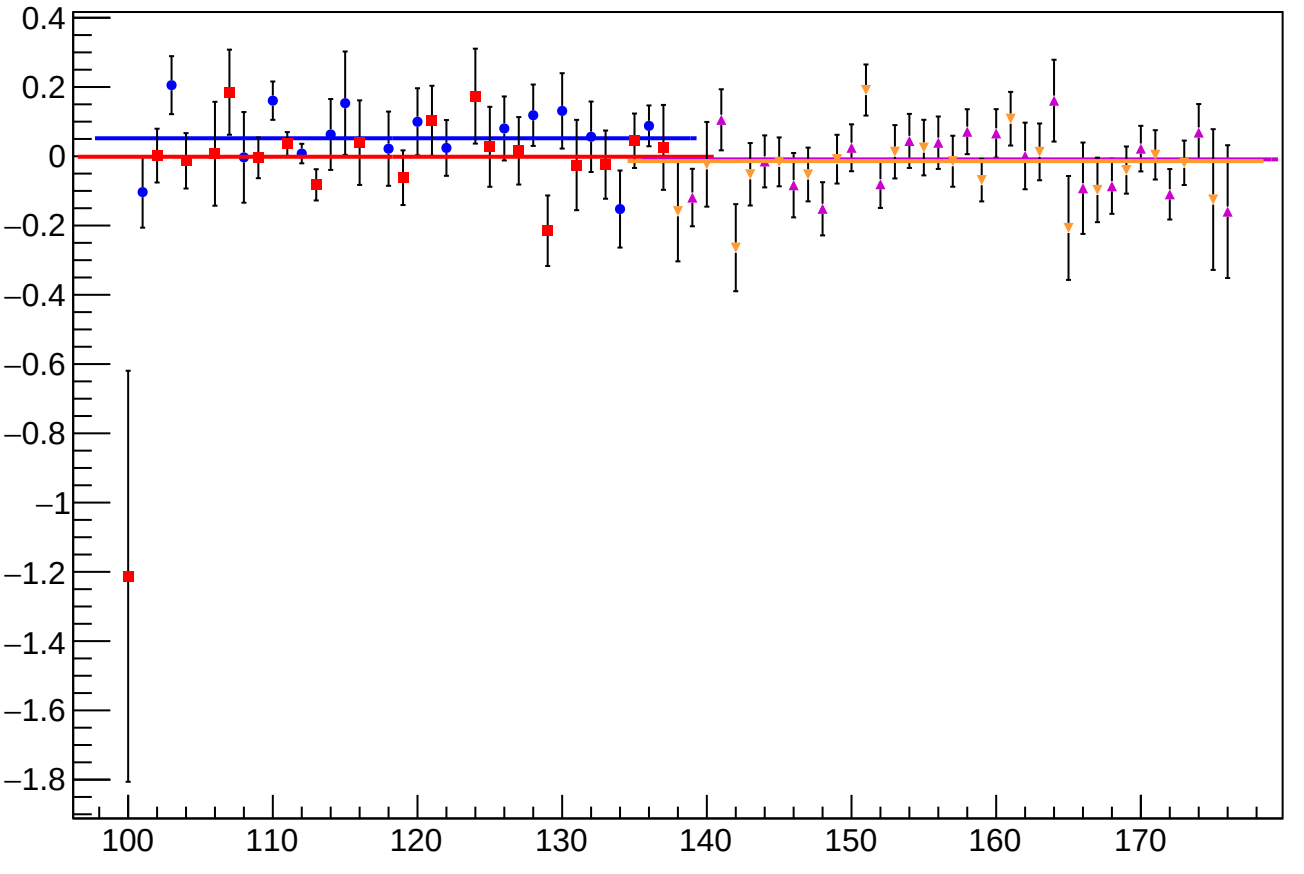
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.650+/-0.013 χ^2/NDF:604203.5/18

+ sign 54.886+/-0.009 χ^2/NDF: 6833885.8/35

All: 55.615+/-0.006 χ^2/NDF: 11516615.3/73

- sign 56.356+/-0.009 χ^2/NDF: 4669567.1/37



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.018 χ^2/NDF:19.9/19

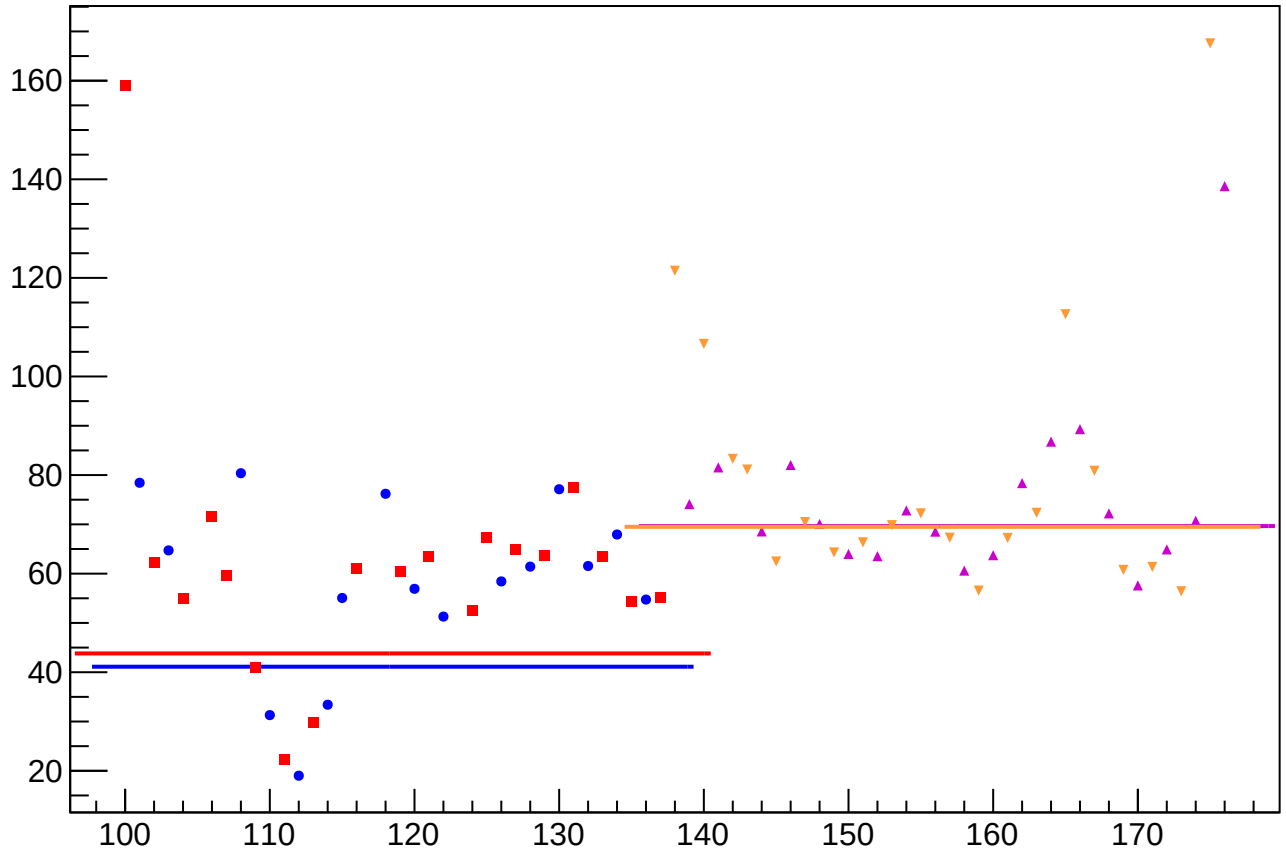
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.009+/-0.018 χ^2/NDF:19.5/18

+ sign 0.020+/-0.013 χ^2/NDF: 44.5/35

All: 0.008+/-0.009 χ^2/NDF: 85.2/73

- sign -0.005+/-0.013 χ^2/NDF: 38.8/37



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 69.504+/-0.013 χ^2/NDF:1433845.5/19

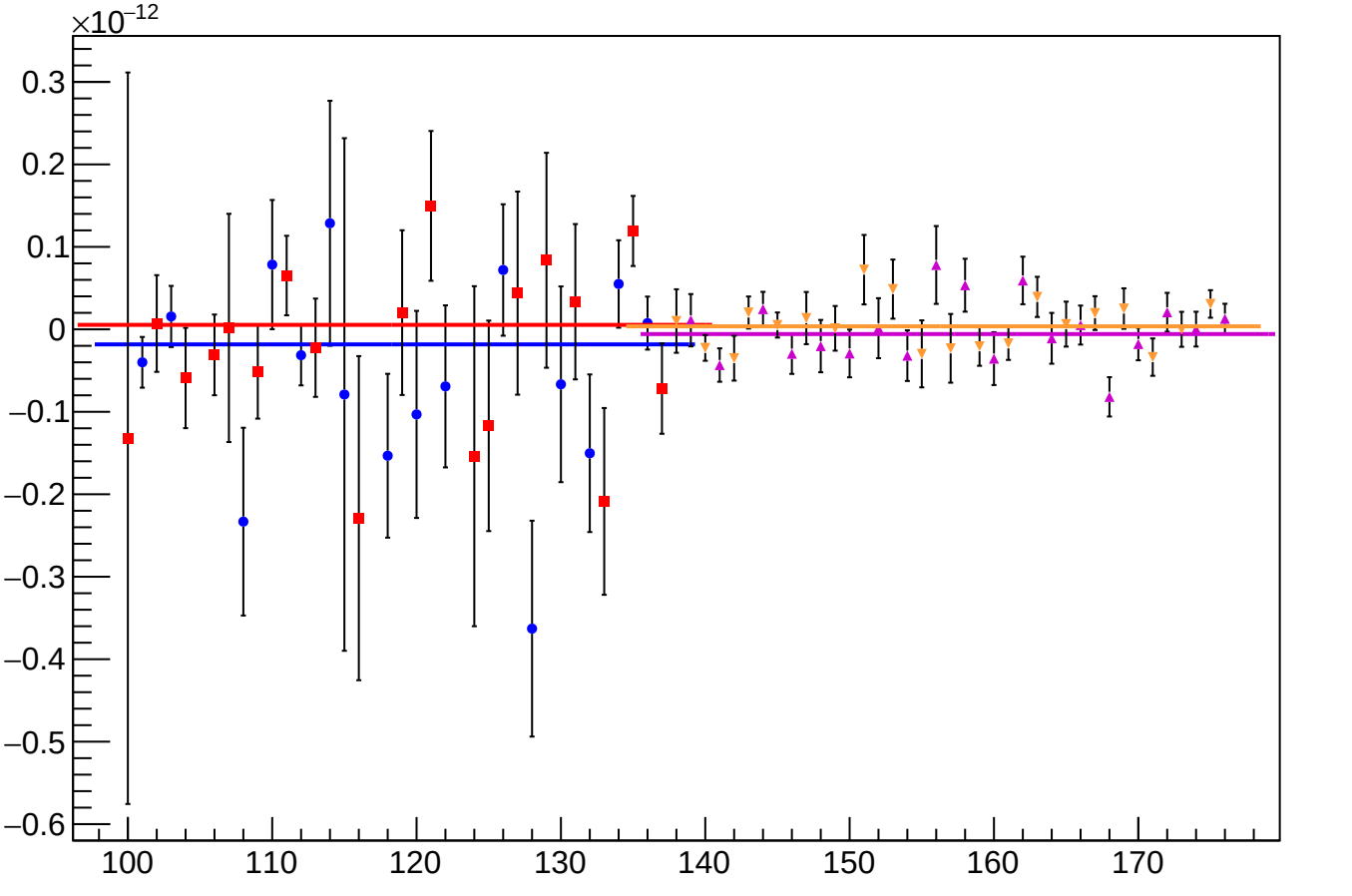
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.650+/-0.013 χ^2/NDF:604203.5/18

+ sign 54.886+/-0.009 χ^2/NDF: 6833885.8/35

All: 55.615+/-0.006 χ^2/NDF: 11516615.3/73

- sign 56.356+/-0.009 χ^2/NDF: 4669567.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.1/19

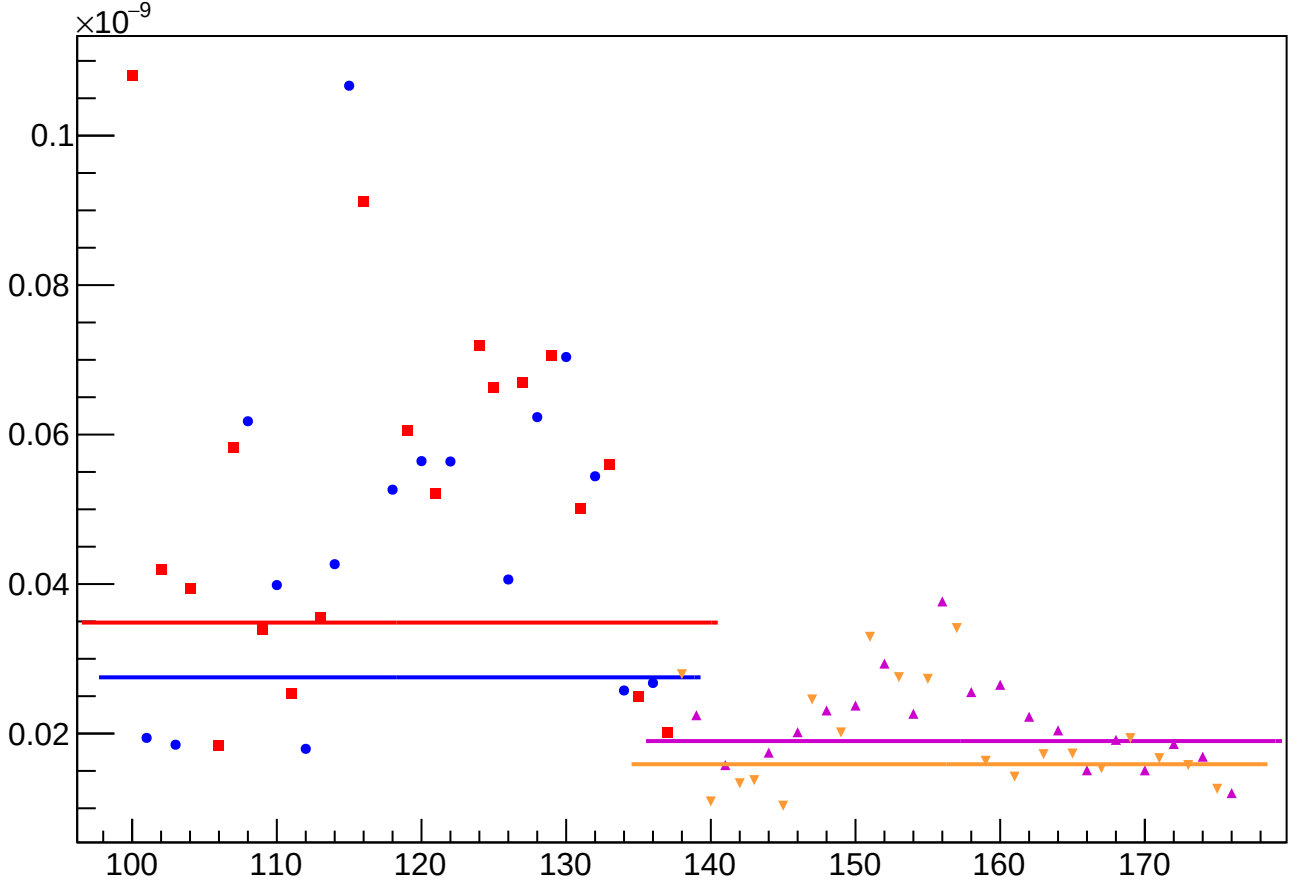
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:34.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/35

All: -0.000+/-0.000 χ^2/NDF: 105.5/73

- sign -0.000+/-0.000 χ^2/NDF: 57.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2134079.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

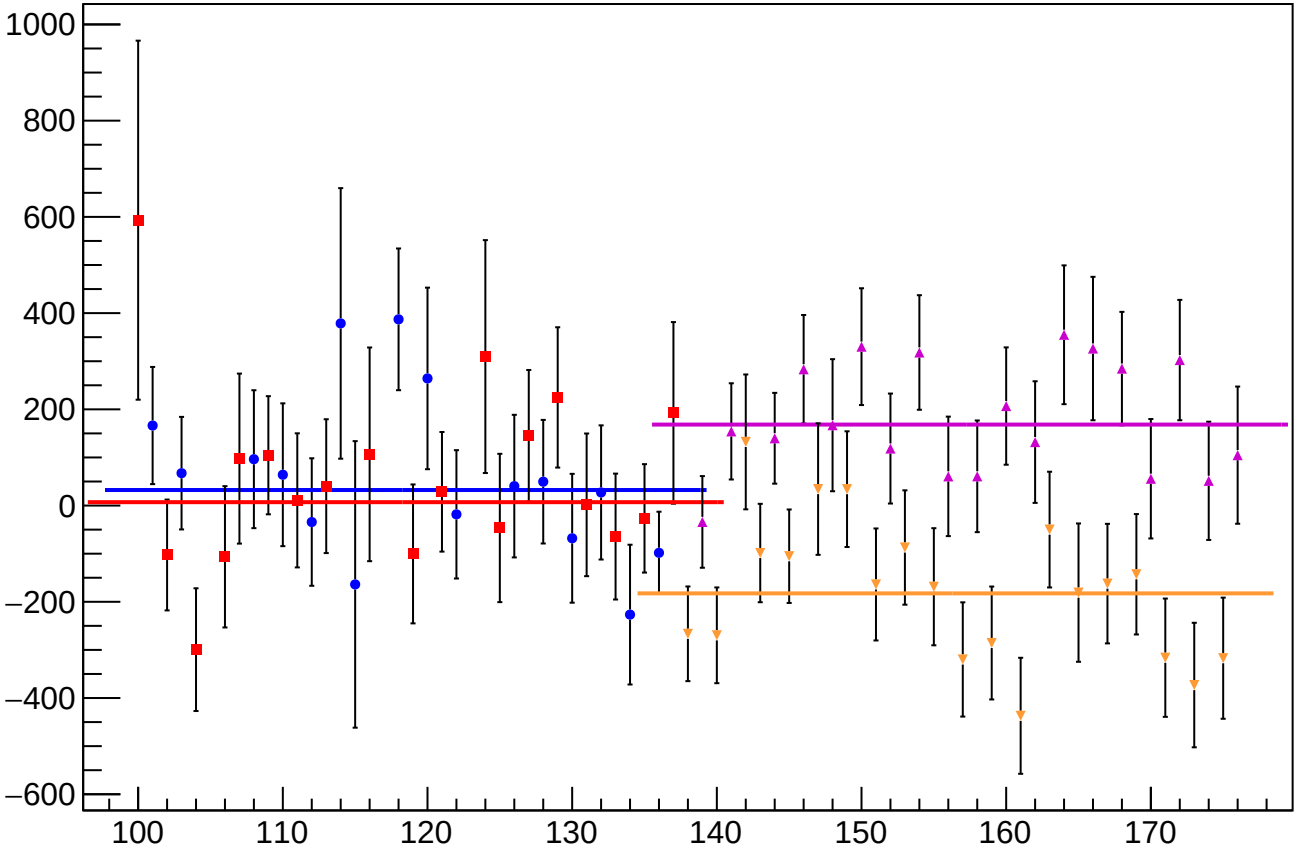
Left In: 0.000+/-0.000 χ^2/NDF:1349954.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 5085971.9/35

All: 0.000+/-0.000 χ^2/NDF: 10169413.9/73

- sign 0.000+/-0.000 χ^2/NDF: 4633153.4/37

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -182.493+/-26.359 χ^2/NDF:26.7/19

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

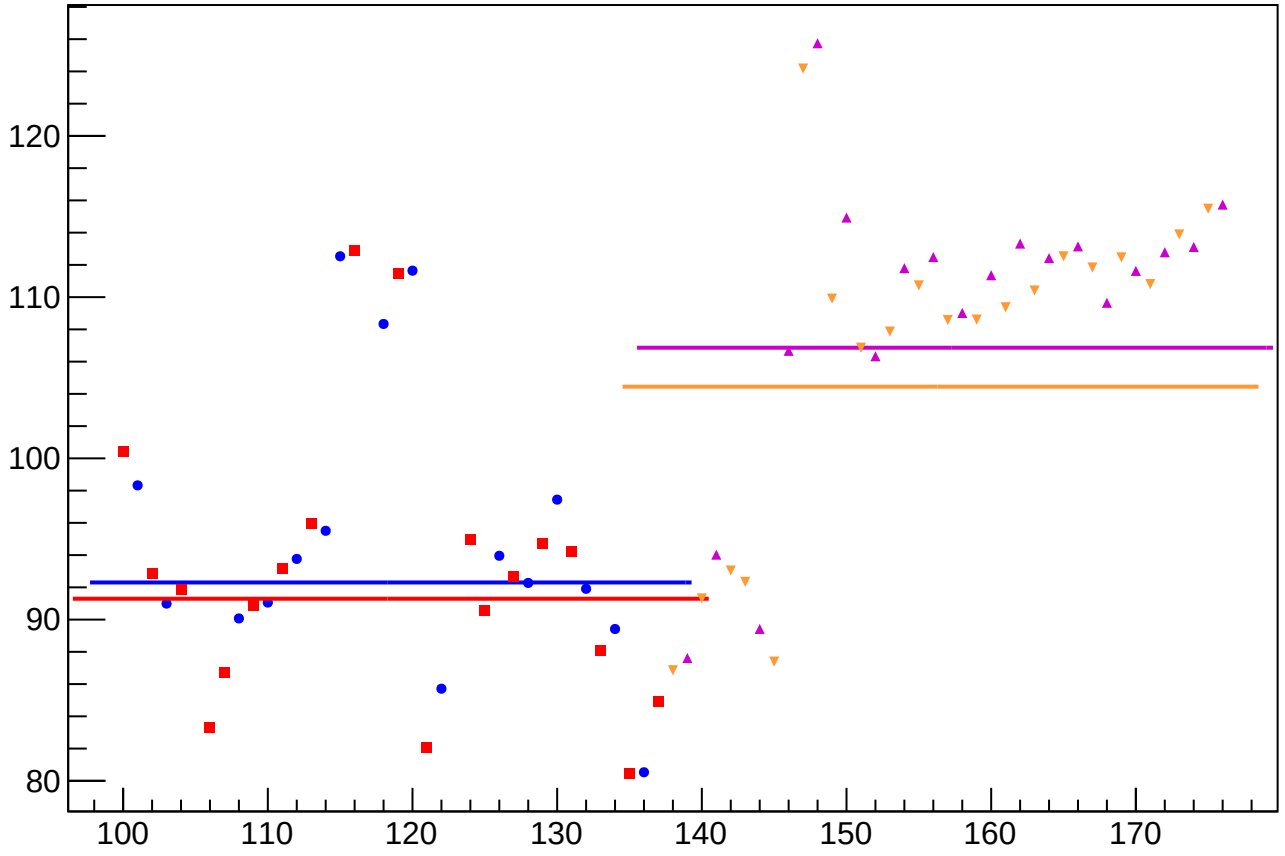
Left In: 168.342+/-27.242 χ^2/NDF:17.9/18

+ sign -103.117+/-20.929 χ^2/NDF: 68.5/35

All: -0.495+/-14.865 χ^2/NDF: 166.7/73

- sign 103.960+/-21.116 χ^2/NDF: 49.6/37

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.446+/-0.019 χ^2/NDF:321544.1/19

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

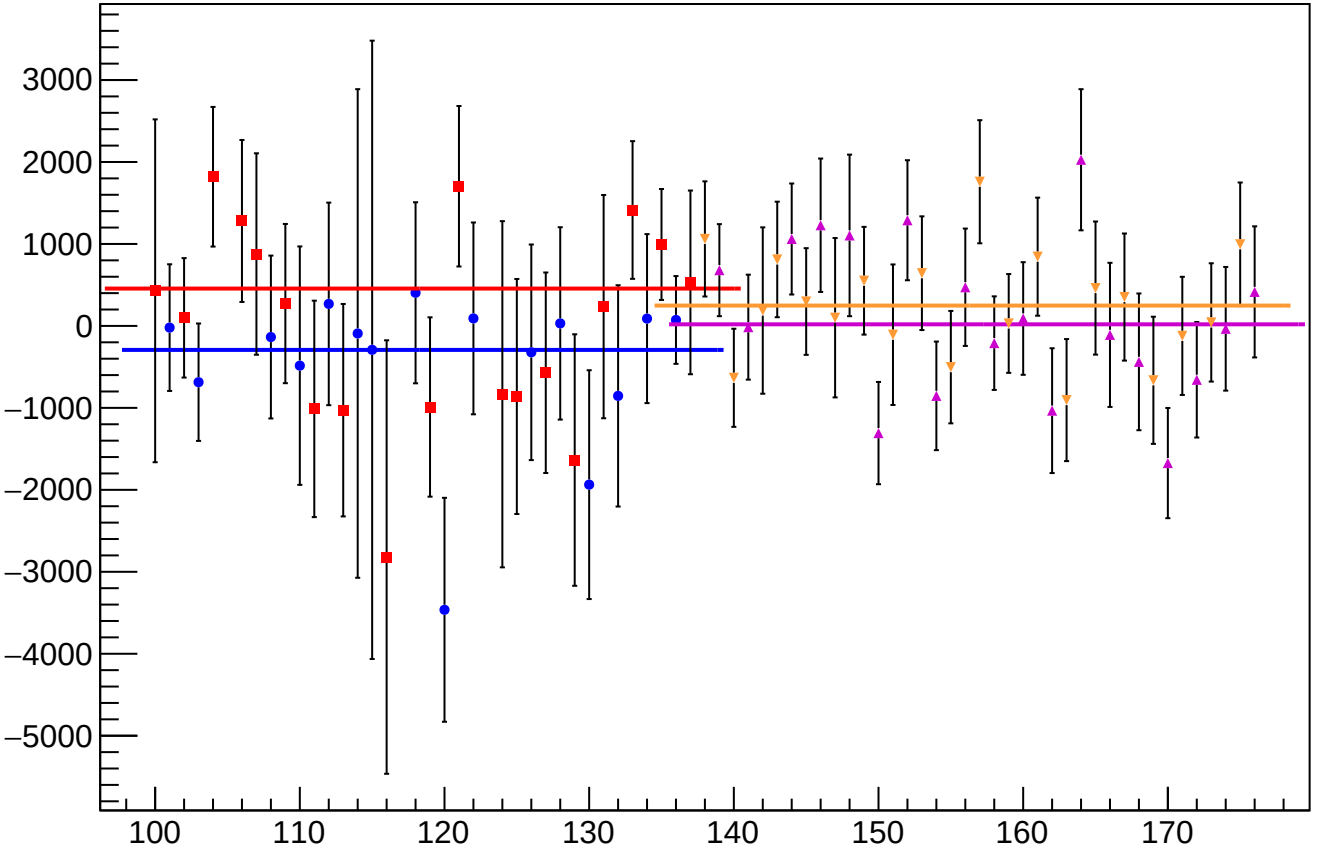
Left In: 106.863+/-0.019 χ^2/NDF:273875.4/18

+ sign 99.958+/-0.015 χ^2/NDF: 585479.1/35

All: 100.300+/-0.011 χ^2/NDF: 1226328.5/73

- sign 100.648+/-0.015 χ^2/NDF: 639773.8/37

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 248.240+/-162.643 χ^2/NDF:16.1/19

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

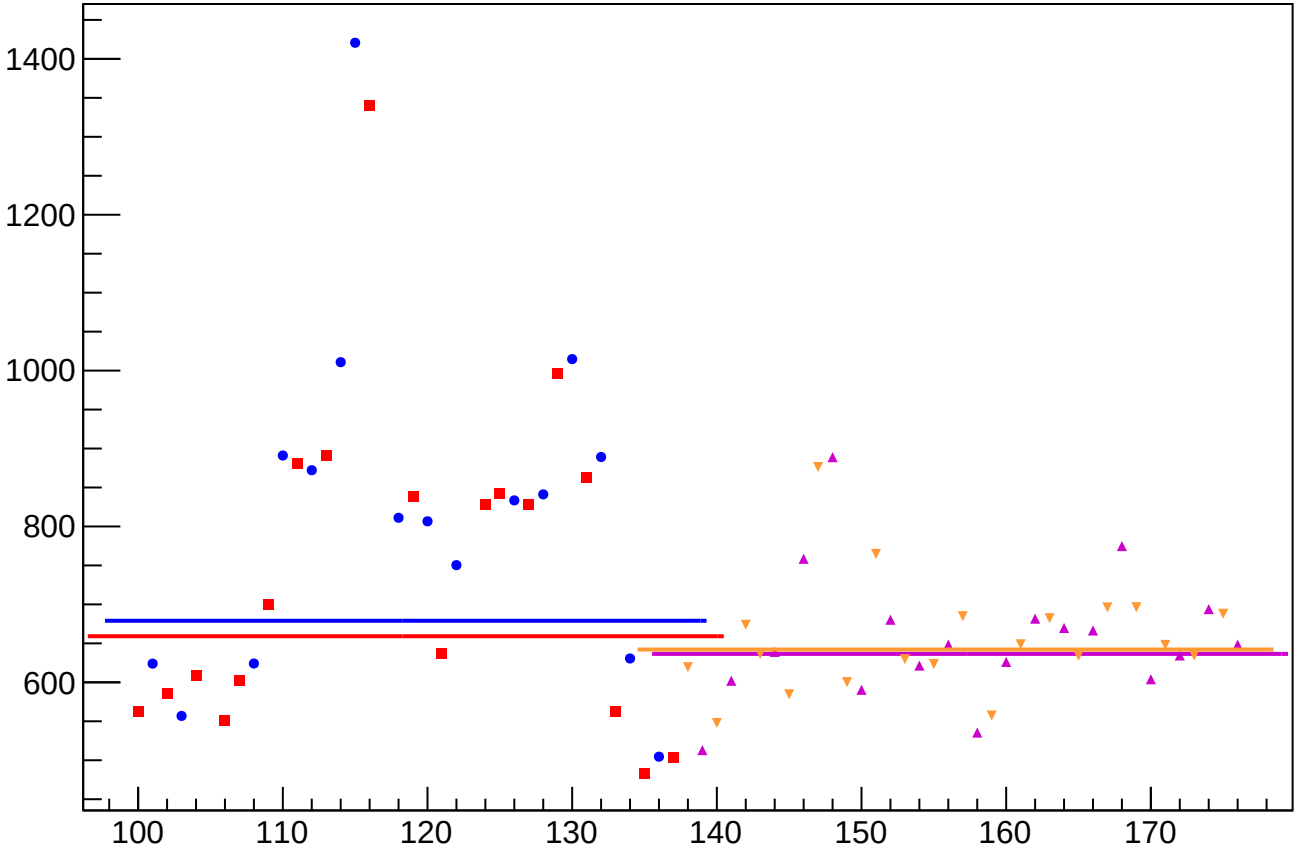
Left In: 19.544+/-163.224 χ^2/NDF:32.2/18

+ sign 95.823+/-137.841 χ^2/NDF: 28.1/35

All: 123.628+/-96.977 χ^2/NDF: 79.3/73

- sign 150.880+/-136.462 χ^2/NDF: 51.2/37

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 642.087+/-0.115 χ^2/NDF:316001.3/19

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

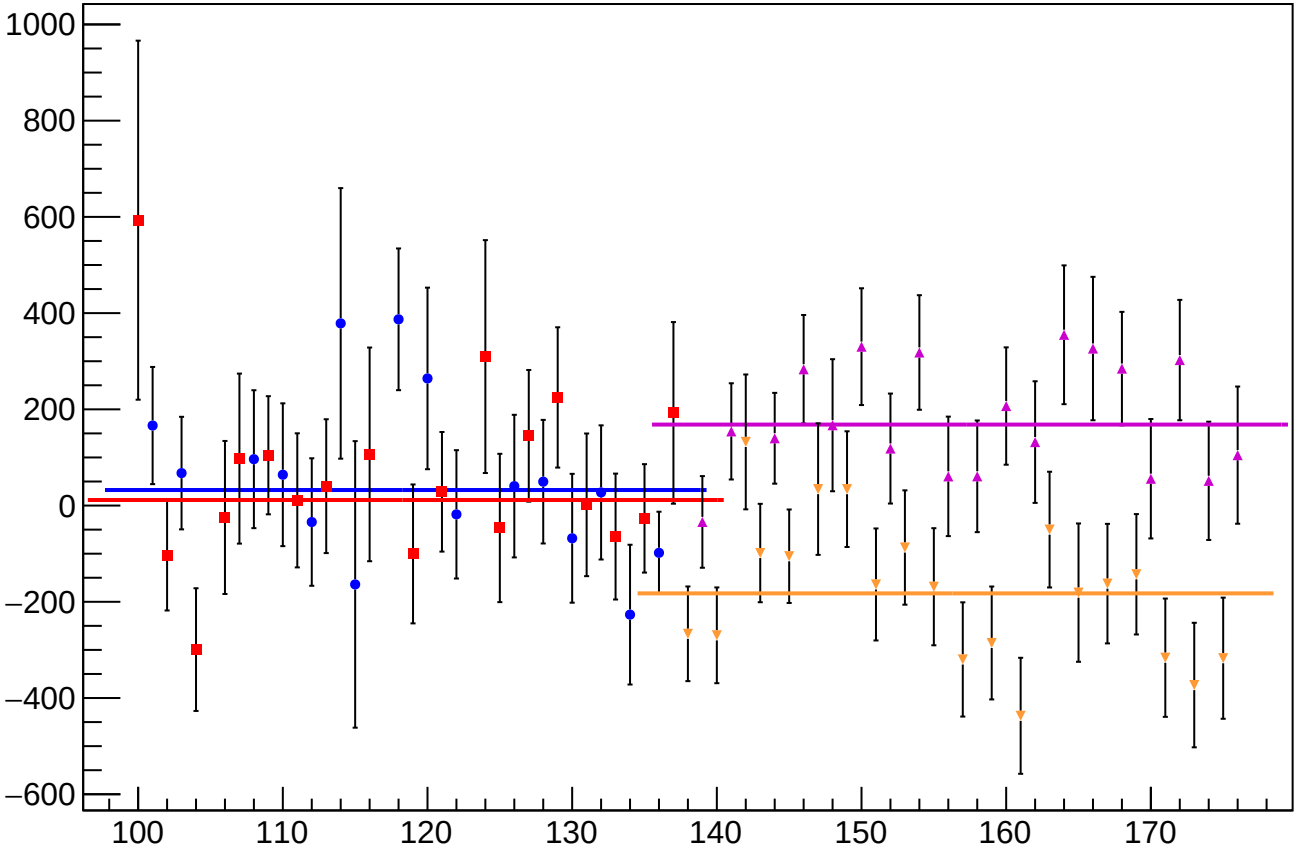
Left In: 636.475+/-0.115 χ^2/NDF:445540.8/18

\+ sign 652.488+/-0.097 χ^2/NDF: 1113012.6/35

All: 647.846+/-0.069 χ^2/NDF: 2370524.9/73

\- sign 643.296+/-0.096 χ^2/NDF: 1253020.6/37

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -182.491+/-26.359 χ^2/NDF:26.7/19

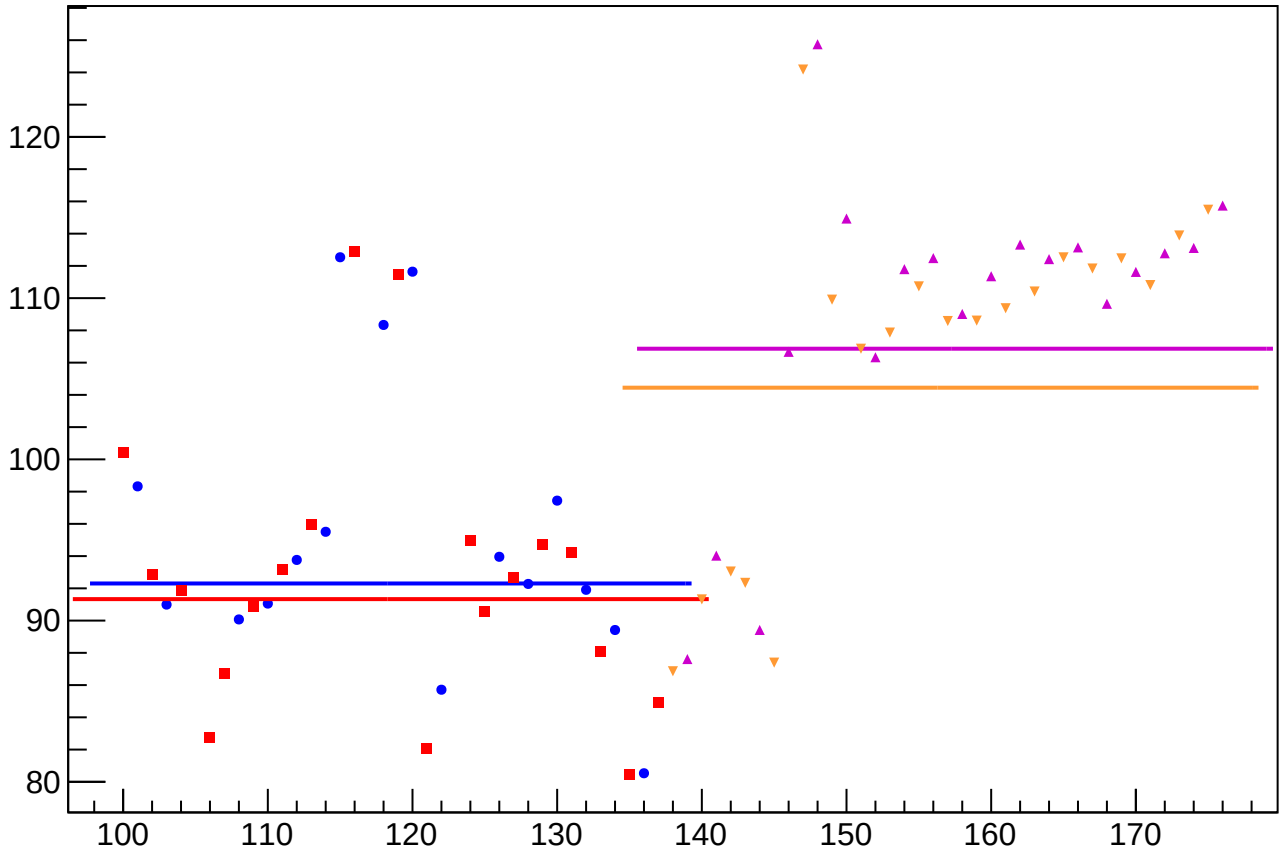
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 168.346+/-27.242 χ^2/NDF:17.9/18

+ sign -103.110+/-20.929 χ^2/NDF: 68.5/35

All: 0.383+/-14.876 χ^2/NDF: 166.2/73

- sign 106.050+/-21.148 χ^2/NDF: 48.2/37



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.446+/-0.019 χ^2/NDF:321544.1/19

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

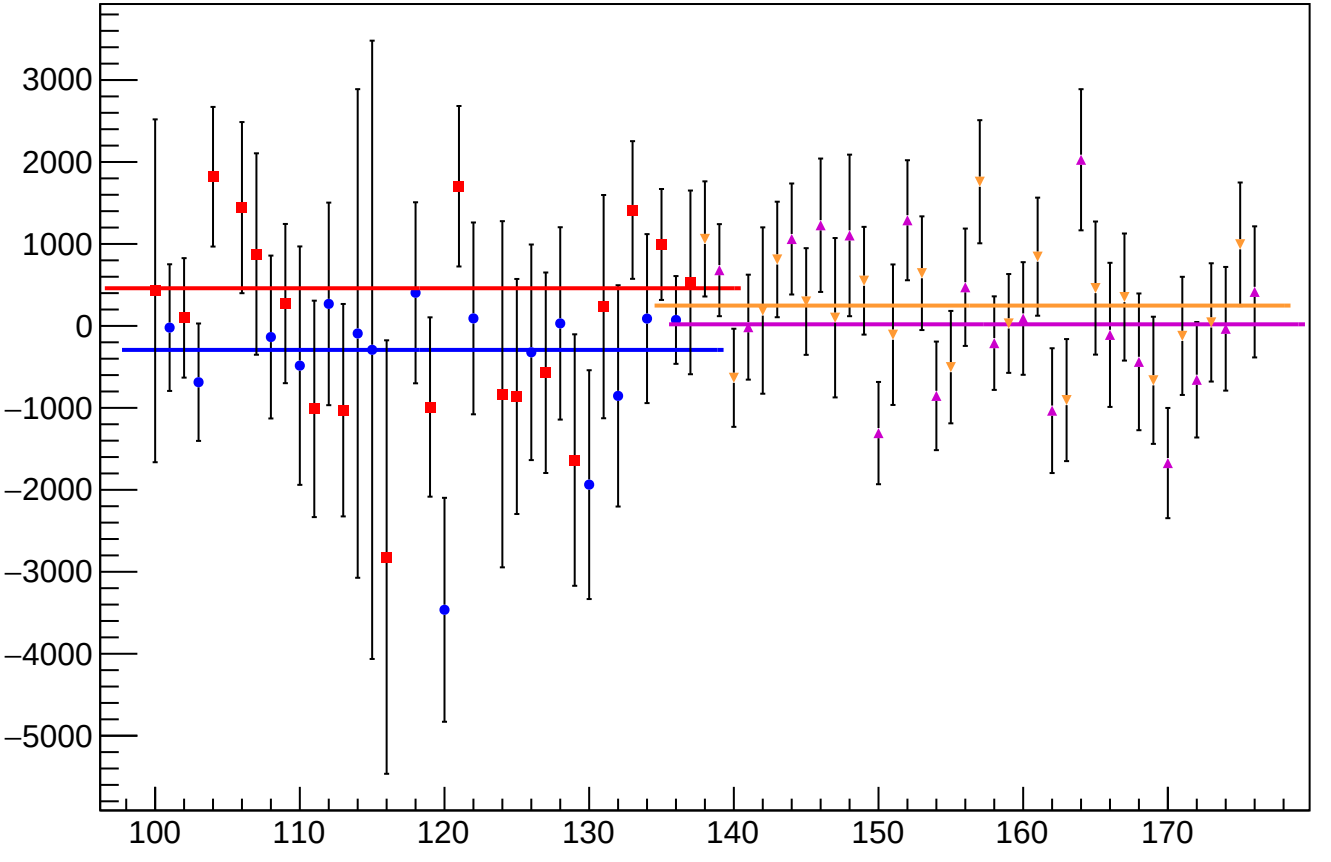
Left In: 106.863+/-0.019 χ^2/NDF:273875.4/18

+ sign 99.958+/-0.015 χ^2/NDF: 585479.0/35

All: 100.321+/-0.011 χ^2/NDF: 1223810.0/73

- sign 100.692+/-0.015 χ^2/NDF: 637116.0/37

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 248.238+/-162.643 χ^2/NDF:16.1/19

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

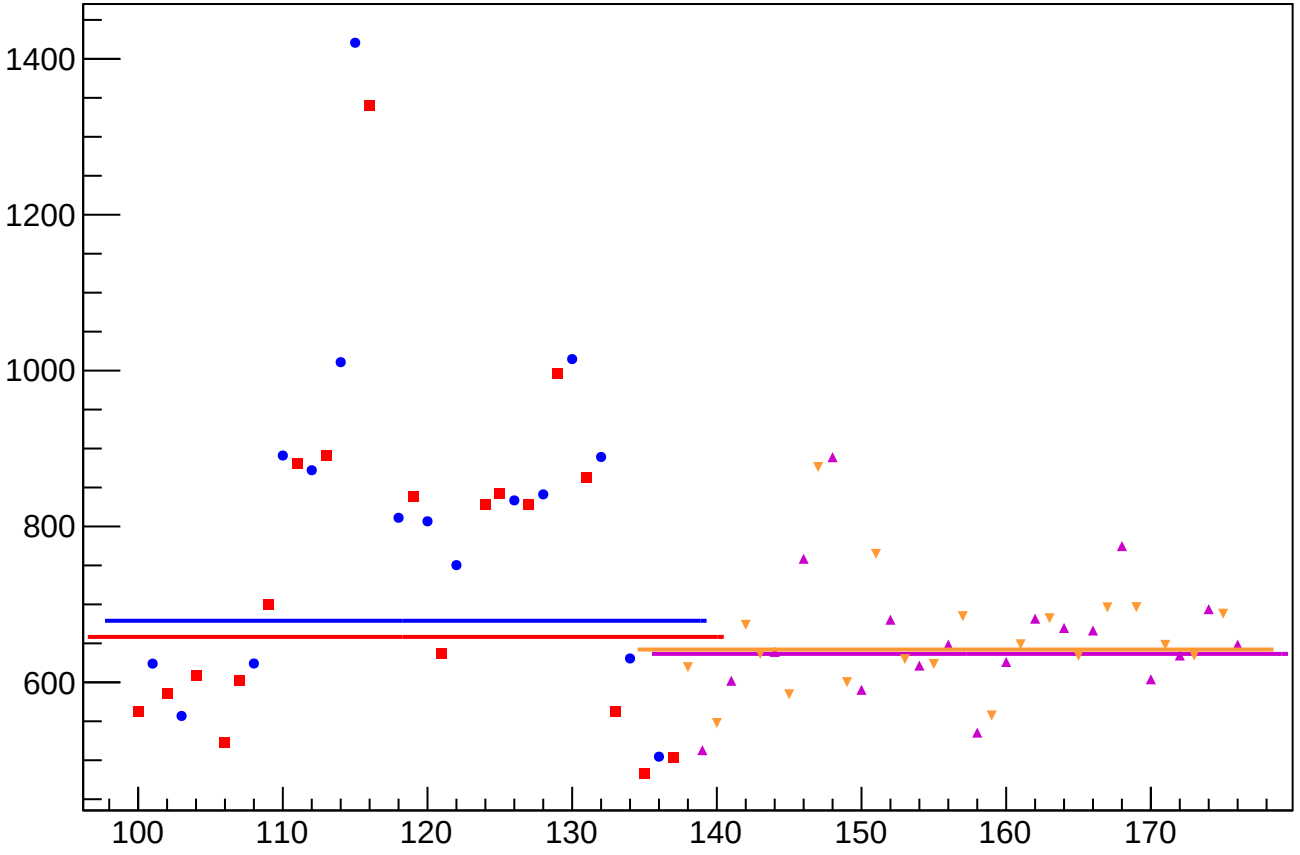
Left In: 19.547+/-163.224 χ^2/NDF:32.2/18

\+ sign 95.822+/-137.841 χ^2/NDF: 28.1/35

All: 123.864+/-97.026 χ^2/NDF: 79.6/73

\- sign 151.403+/-136.598 χ^2/NDF: 51.4/37

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 642.088+/-0.115 χ^2/NDF:316002.2/19

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

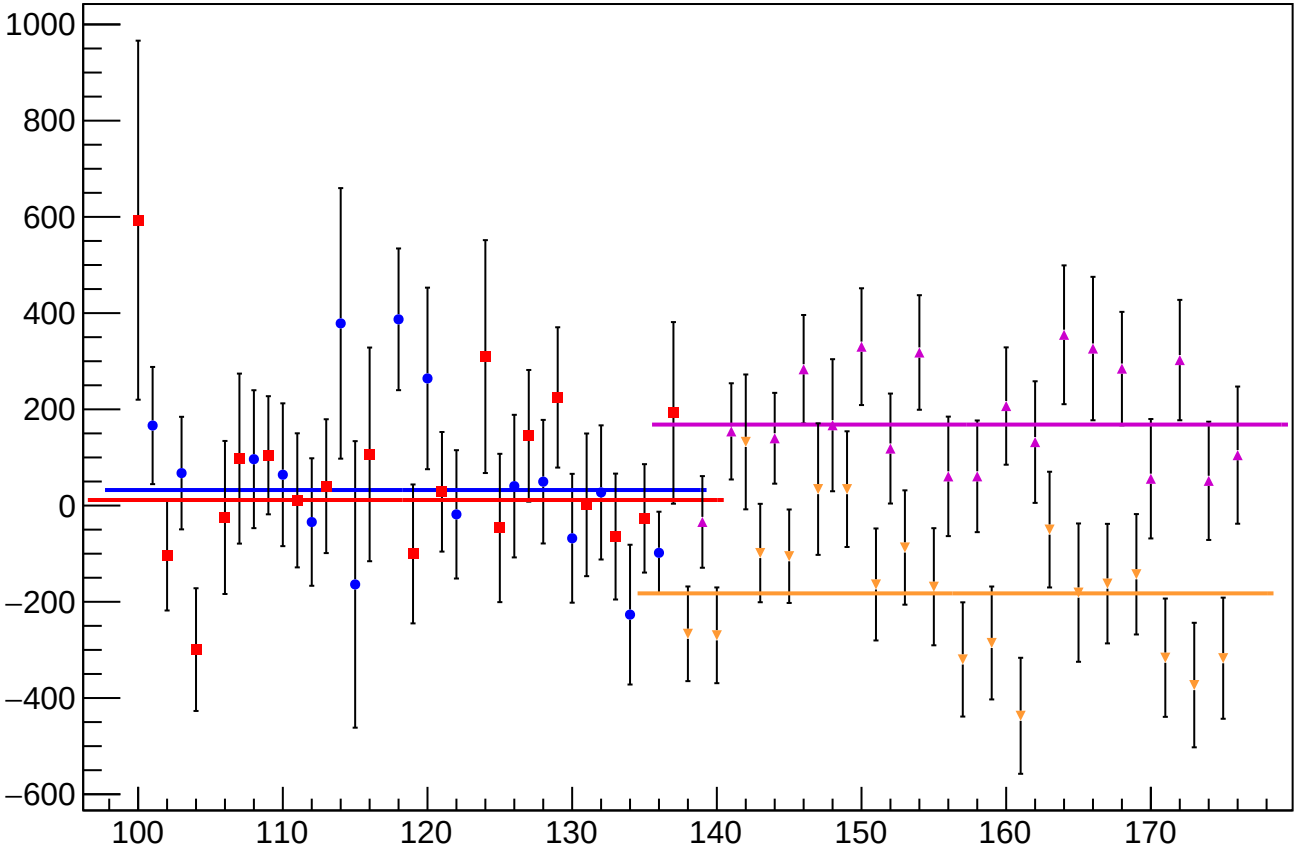
Left In: 636.475+/-0.115 χ^2/NDF:445541.5/18

+ sign 652.488+/-0.097 χ^2/NDF: 1113014.7/35

All: 647.703+/-0.069 χ^2/NDF: 2379909.0/73

- sign 643.003+/-0.097 χ^2/NDF: 1262116.7/37

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -182.491+/-26.359 χ^2/NDF:26.7/19

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

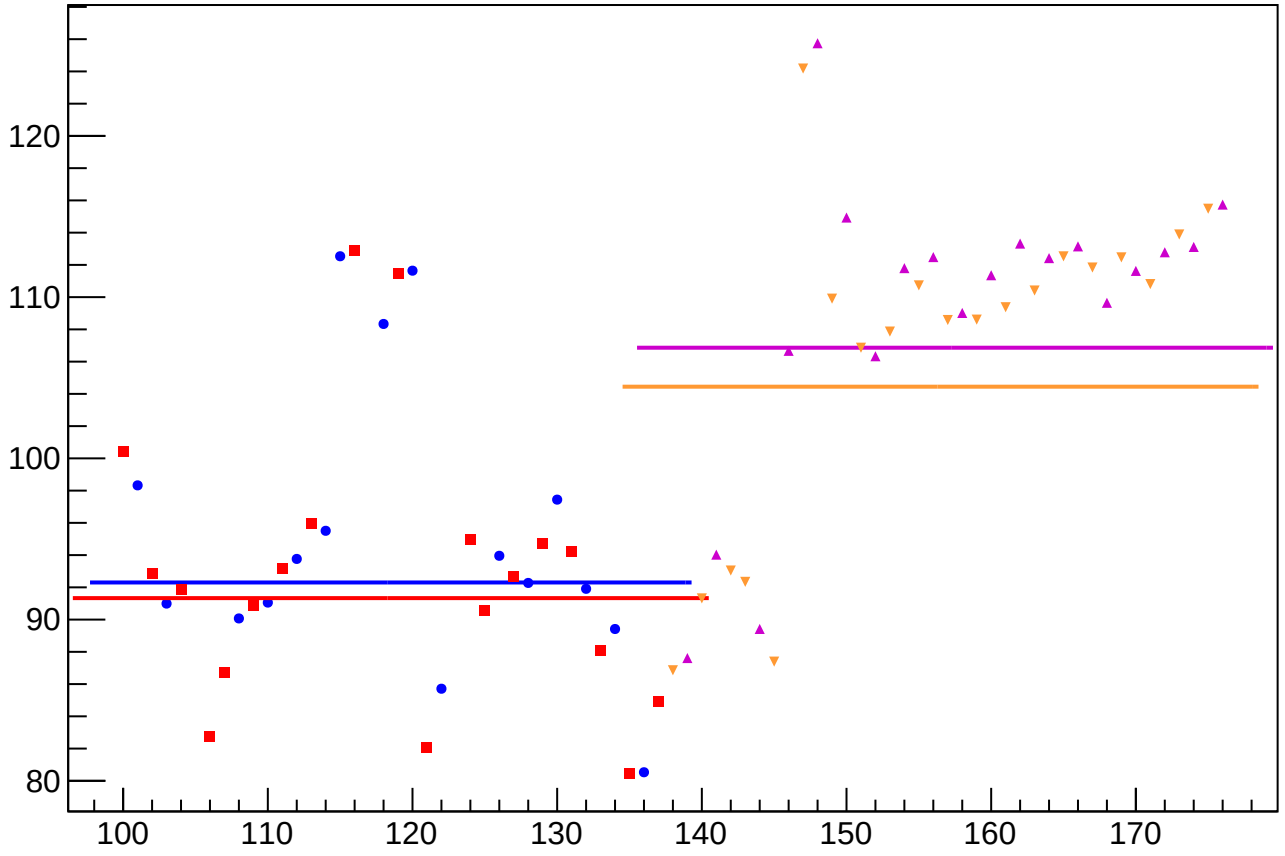
Left In: 168.346+/-27.242 χ^2/NDF:17.9/18

+ sign -103.110+/-20.929 χ^2/NDF: 68.5/35

All: 0.383+/-14.876 χ^2/NDF: 166.2/73

- sign 106.050+/-21.148 χ^2/NDF: 48.2/37

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.446+/-0.019 χ^2/NDF:321544.1/19

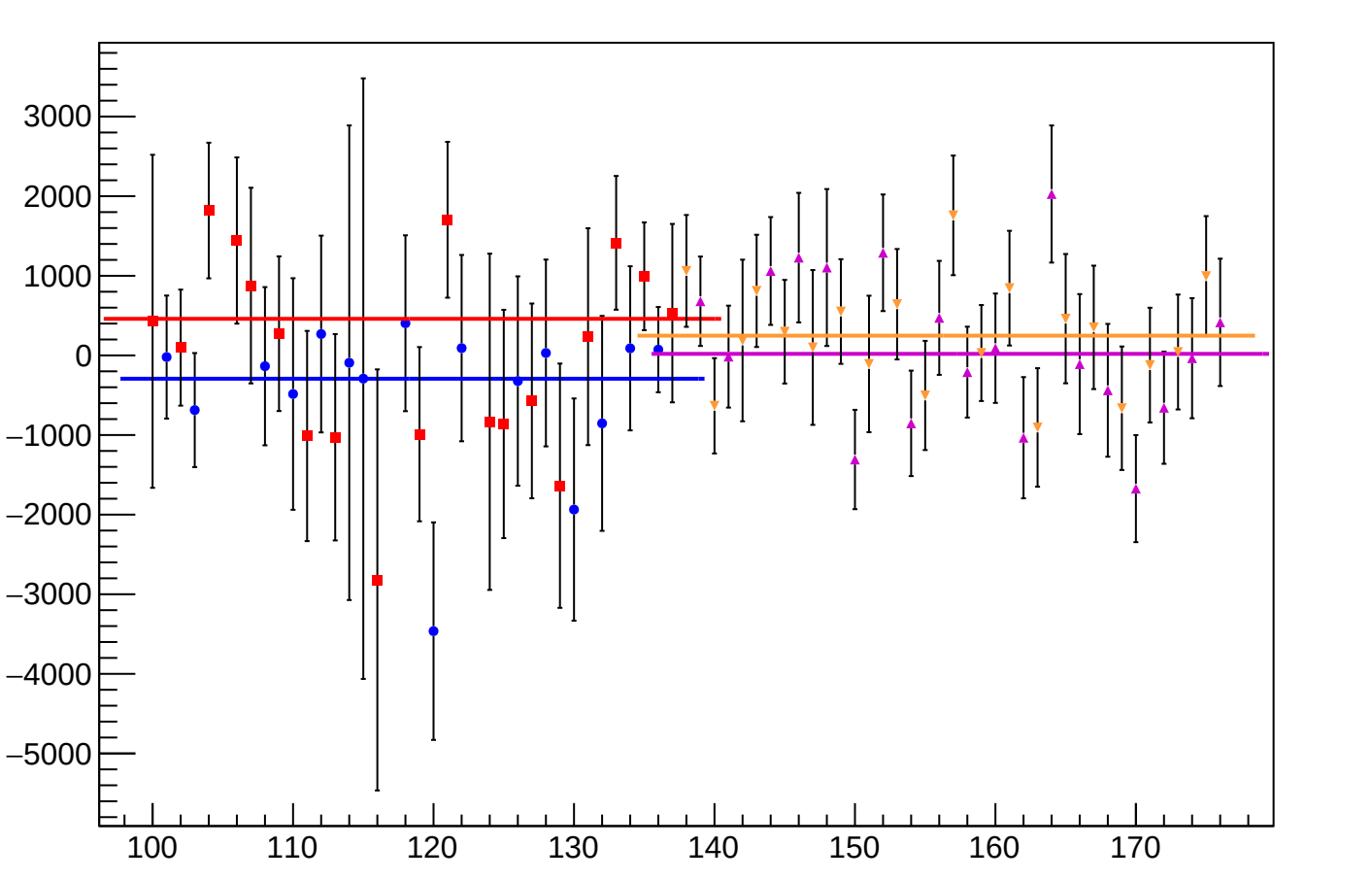
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.863+/-0.019 χ^2/NDF:273875.4/18

+ sign 99.958+/-0.015 χ^2/NDF: 585479.0/35

All: 100.321+/-0.011 χ^2/NDF: 1223810.0/73

- sign 100.692+/-0.015 χ^2/NDF: 637116.0/37



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 248.238+/-162.643 χ^2/NDF:16.1/19

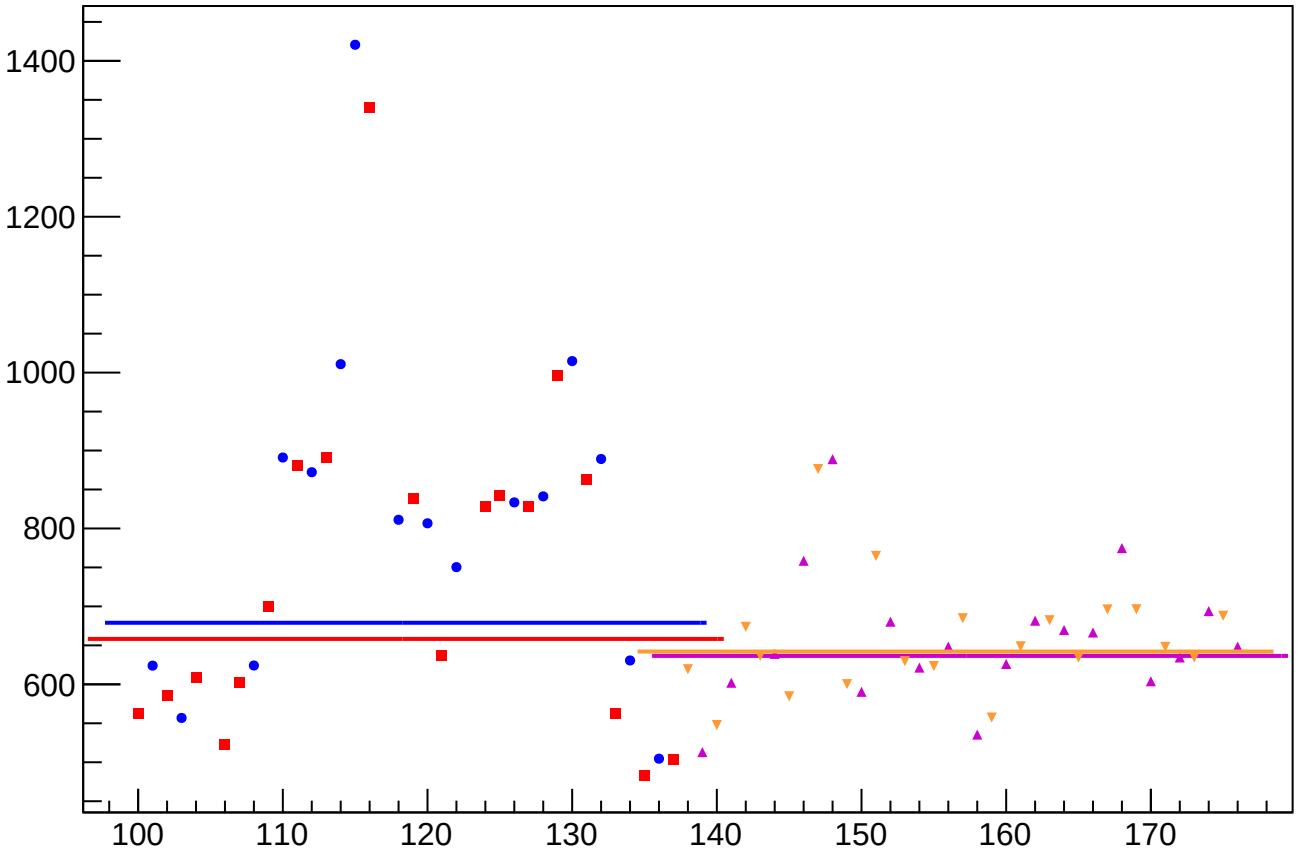
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 19.547+/-163.224 χ^2/NDF:32.2/18

\+ sign 95.822+/-137.841 χ^2/NDF: 28.1/35

All: 123.864+/-97.026 χ^2/NDF: 79.6/73

\- sign 151.403+/-136.598 χ^2/NDF: 51.4/37



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 642.088+/-0.115 χ^2/NDF:316002.2/19

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

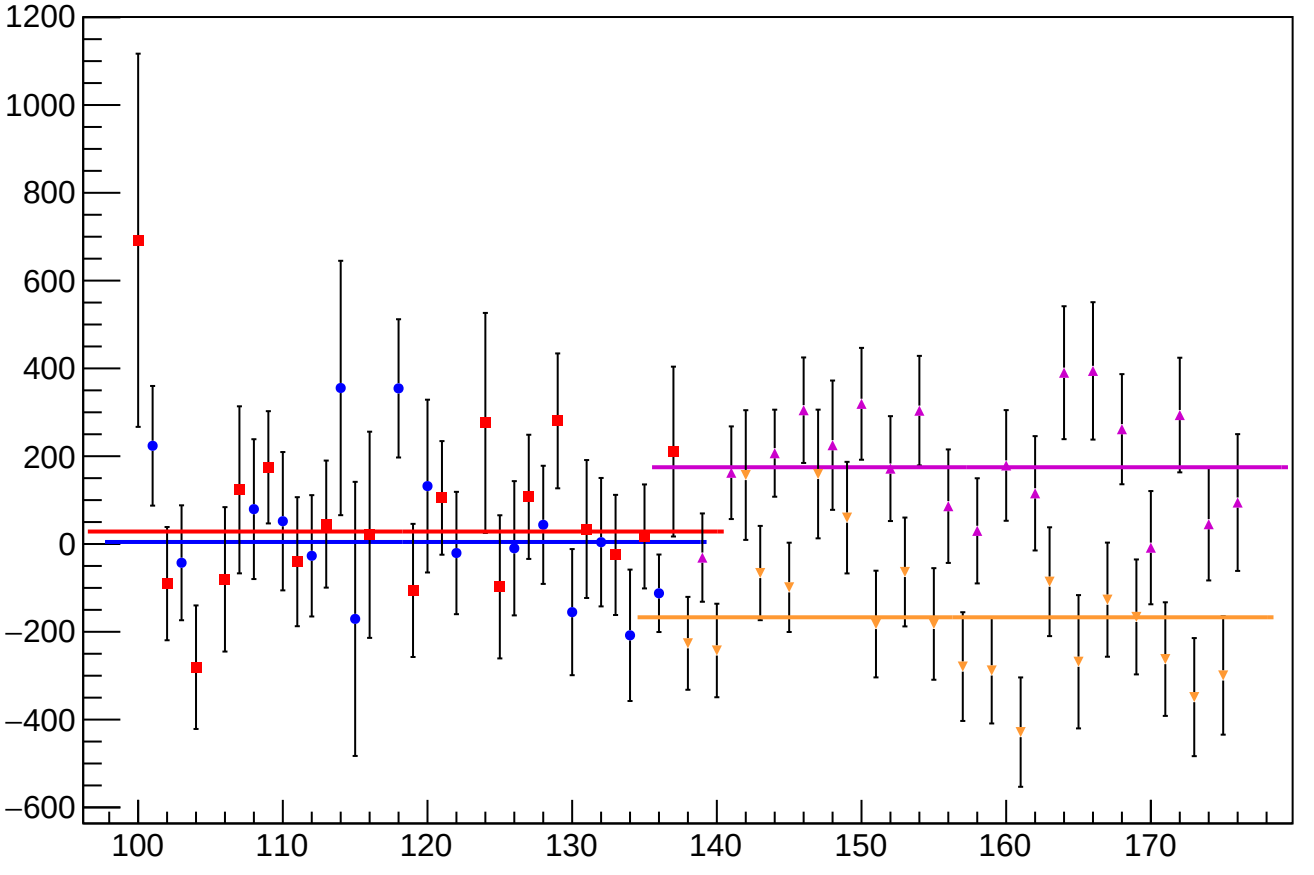
Left In: 636.475+/-0.115 χ^2/NDF:445541.5/18

+ sign 652.488+/-0.097 χ^2/NDF: 1113014.7/35

All: 647.703+/-0.069 χ^2/NDF: 2379909.0/73

- sign 643.003+/-0.097 χ^2/NDF: 1262116.7/37

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -166.938+/-27.692 χ^2/NDF:26.4/19

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

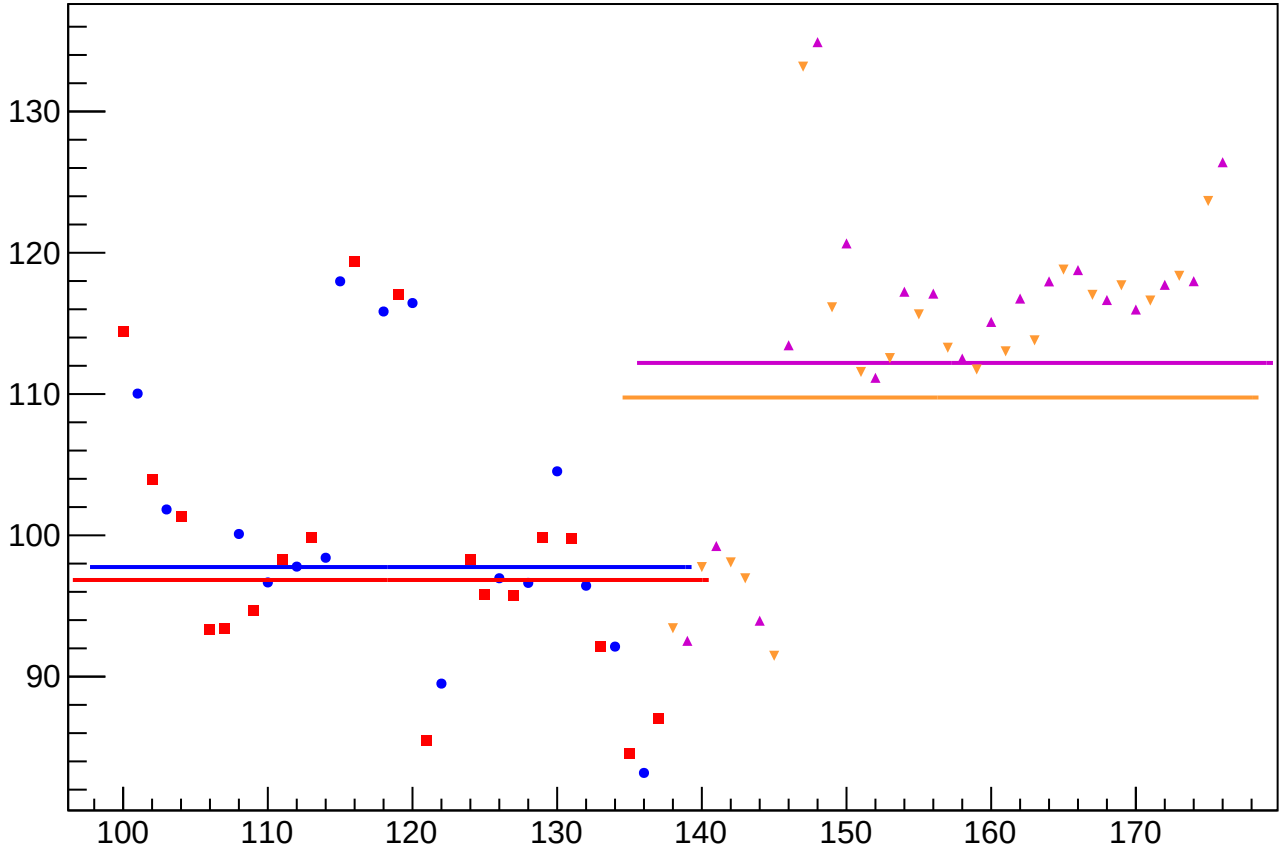
Left In: 174.880+/-28.609 χ^2/NDF:18.7/18

\+ sign -104.283+/-22.063 χ^2/NDF: 55.7/35

All: 5.412+/-15.673 χ^2/NDF: 151.8/73

\- sign 117.140+/-22.267 χ^2/NDF: 46.1/37

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 109.756+/-0.020 χ^2/NDF:301874.2/19

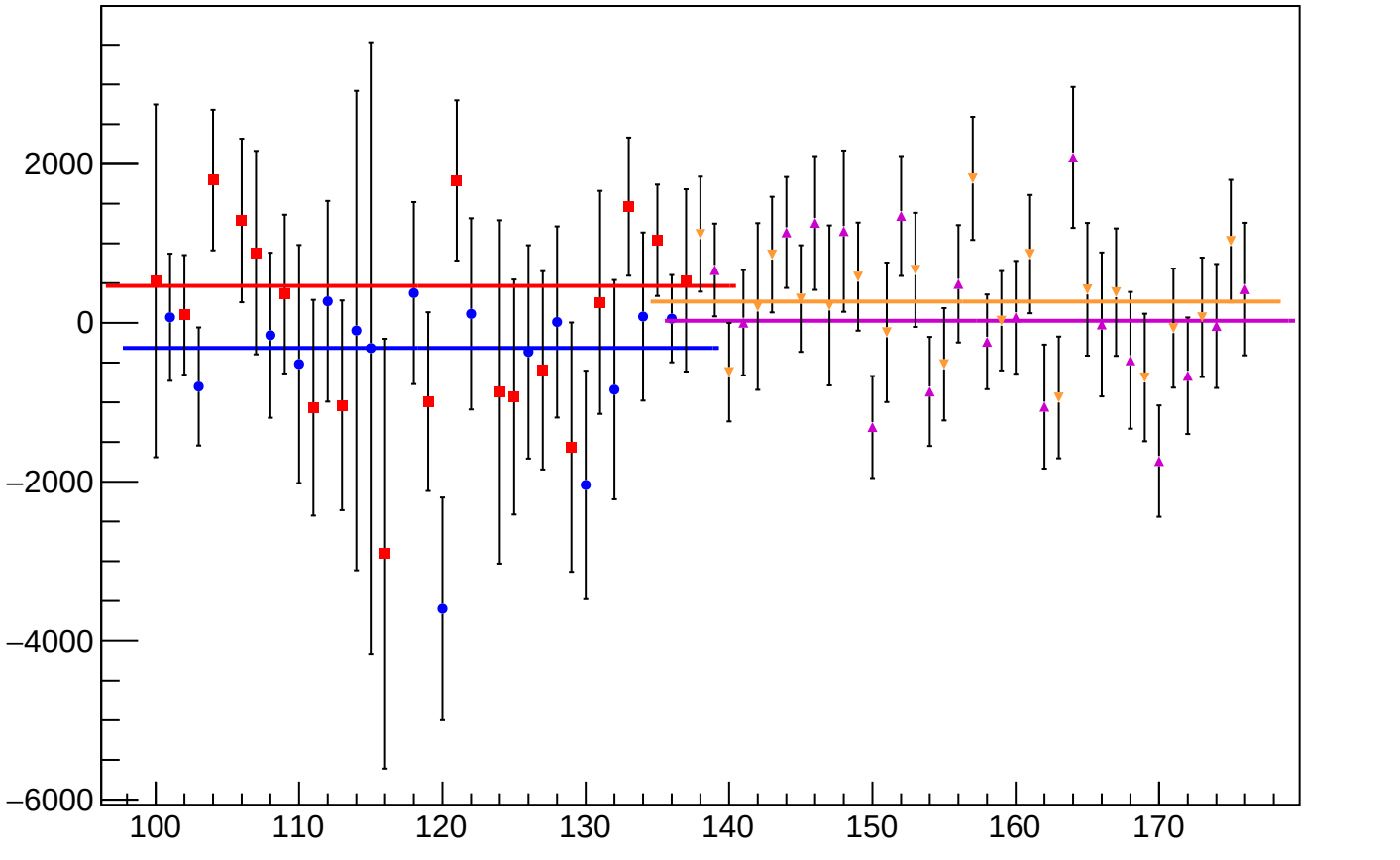
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 112.203+/-0.020 χ^2/NDF:275686.8/18

\+ sign 105.373+/-0.016 χ^2/NDF: 579679.4/35

All: 105.756+/-0.011 χ^2/NDF: 1199128.9/73

\- sign 106.147+/-0.016 χ^2/NDF: 618231.5/37



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 268.546+/-167.959 χ^2/NDF:16.1/19

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

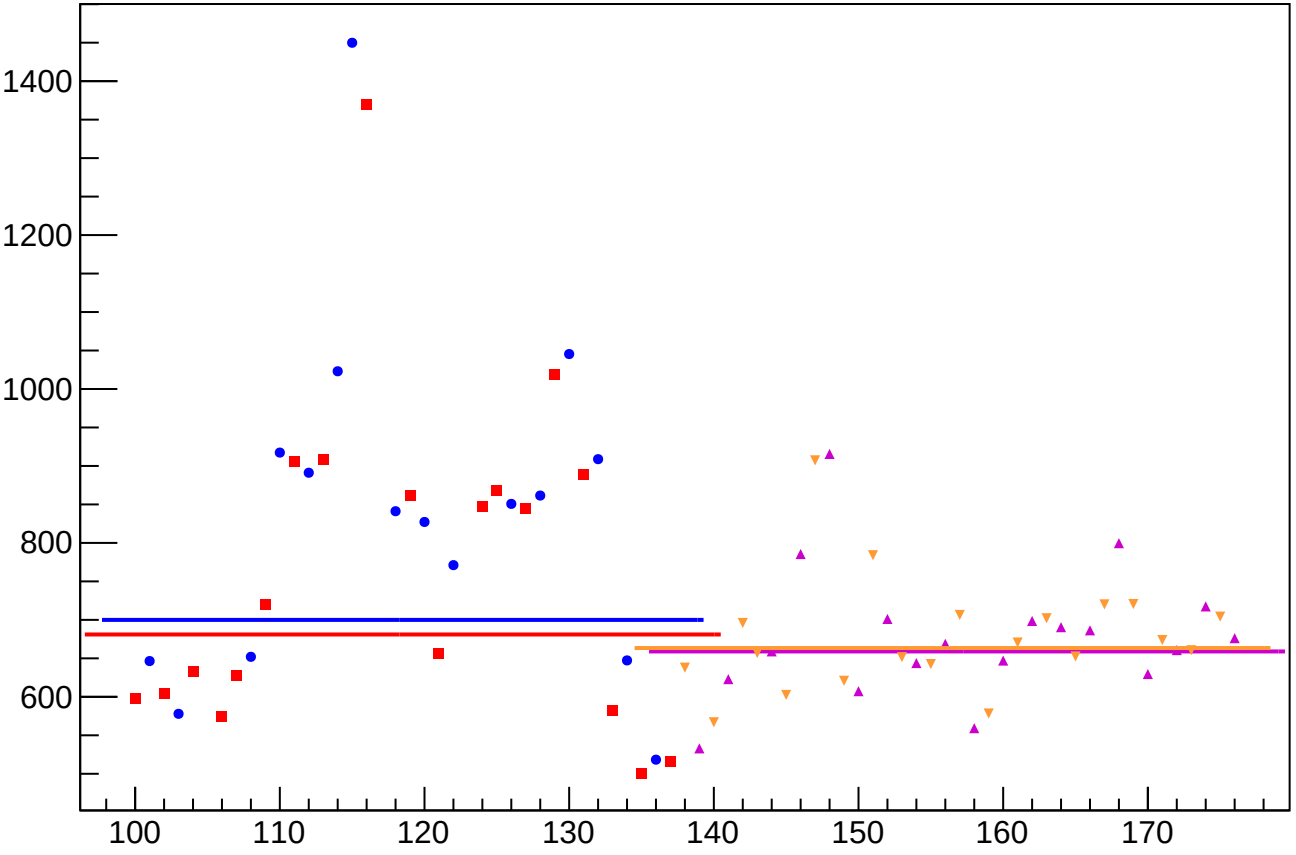
Left In: 26.508+/-168.900 χ^2/NDF:31.9/18

\+ sign 103.109+/-142.247 χ^2/NDF: 28.6/35

All: 131.384+/-100.172 χ^2/NDF: 79.1/73

\- sign 159.201+/-141.088 χ^2/NDF: 50.4/37

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 663.381+/-0.119 χ^2/NDF:309996.9/19

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

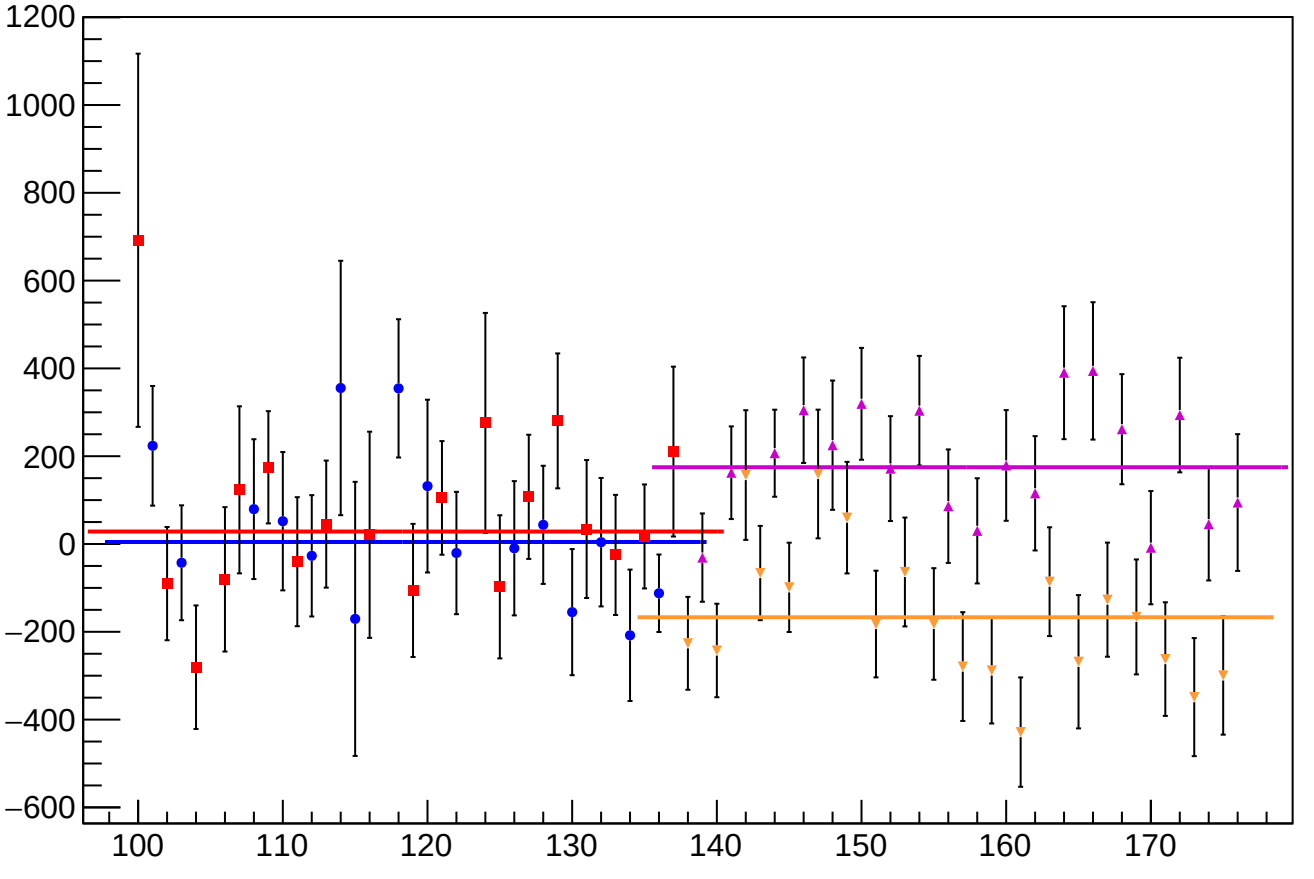
Left In: 658.965+/-0.119 χ^2/NDF:428049.7/18

+ sign 673.727+/-0.101 χ^2/NDF: 1090501.8/35

All: 669.645+/-0.071 χ^2/NDF: 2301518.1/73

- sign 665.630+/-0.100 χ^2/NDF: 1207749.3/37

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -166.938+/-27.692 χ^2/NDF:26.4/19

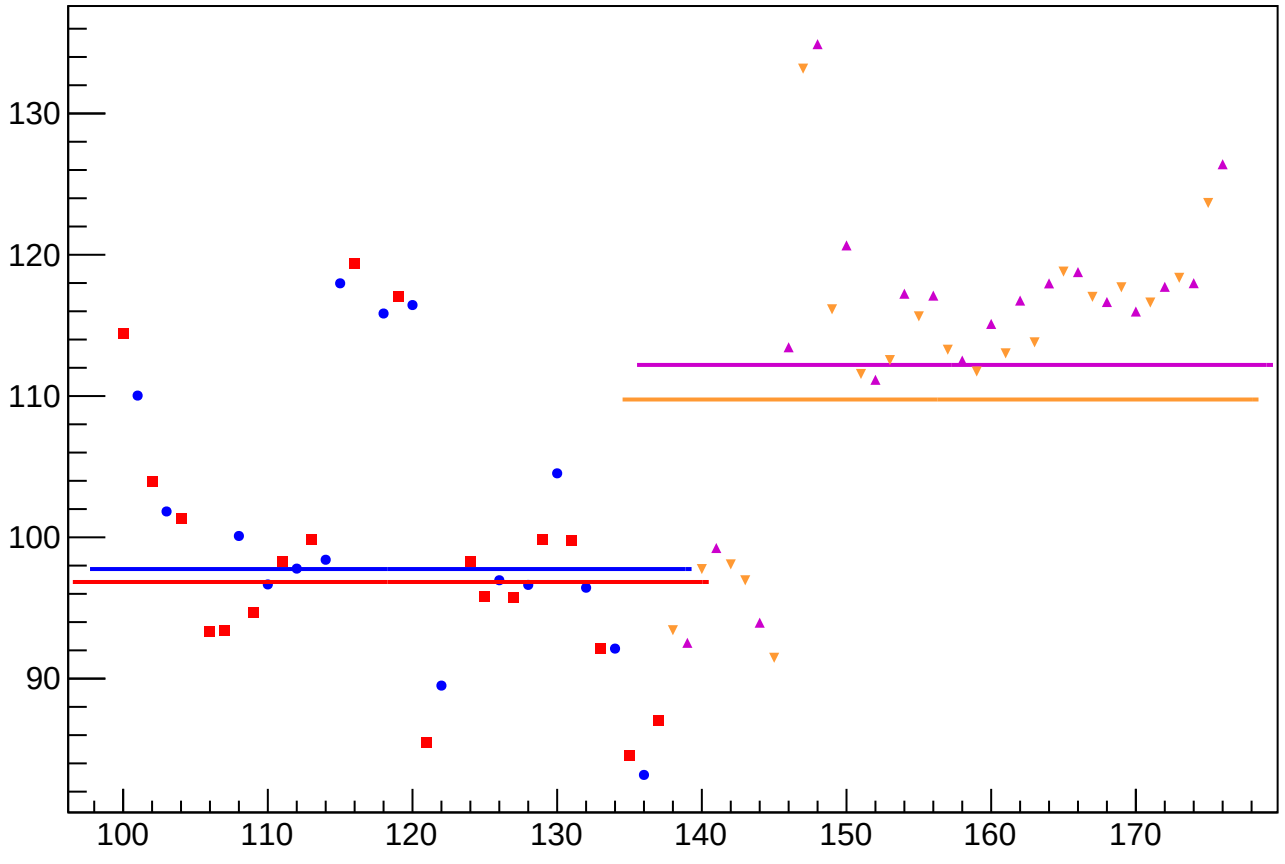
Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 174.881+/-28.609 χ^2/NDF:18.7/18

+ sign -104.283+/-22.063 χ^2/NDF: 55.7/35

All: 5.412+/-15.673 χ^2/NDF: 151.8/73

- sign 117.140+/-22.267 χ^2/NDF: 46.1/37



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 109.756+/-0.020 χ^2/NDF:301872.8/19

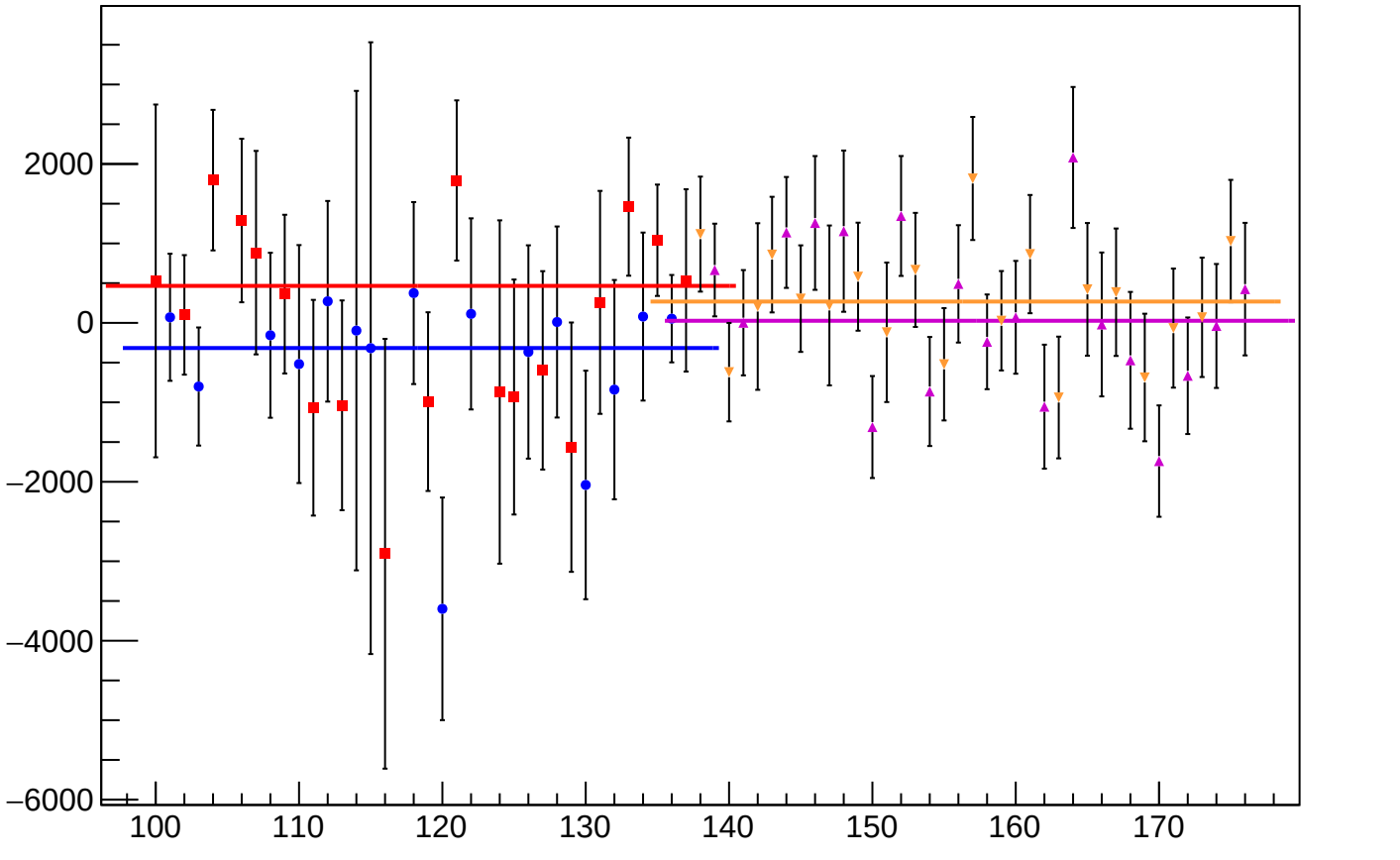
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 112.203+/-0.020 χ^2/NDF:275682.9/18

+ sign 105.373+/-0.016 χ^2/NDF: 579686.7/35

All: 105.756+/-0.011 χ^2/NDF: 1199147.3/73

- sign 106.147+/-0.016 χ^2/NDF: 618242.6/37



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 268.546+/-167.960 χ^2/NDF:16.1/19

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

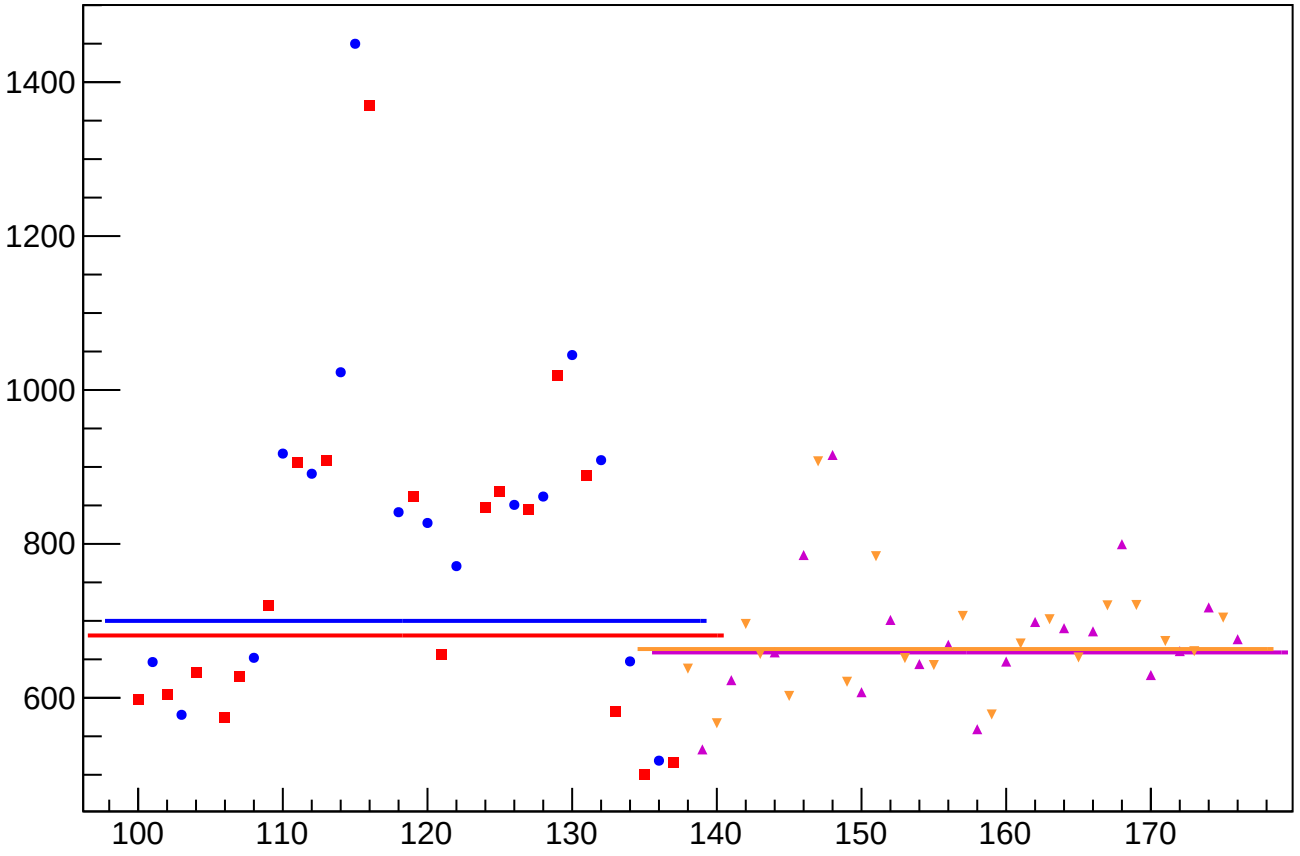
Left In: 26.508+/-168.900 χ^2/NDF:31.9/18

\+ sign 103.109+/-142.247 χ^2/NDF: 28.6/35

All: 131.385+/-100.172 χ^2/NDF: 79.1/73

\- sign 159.201+/-141.088 χ^2/NDF: 50.4/37

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 663.382+/-0.119 χ^2/NDF:309996.4/19

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

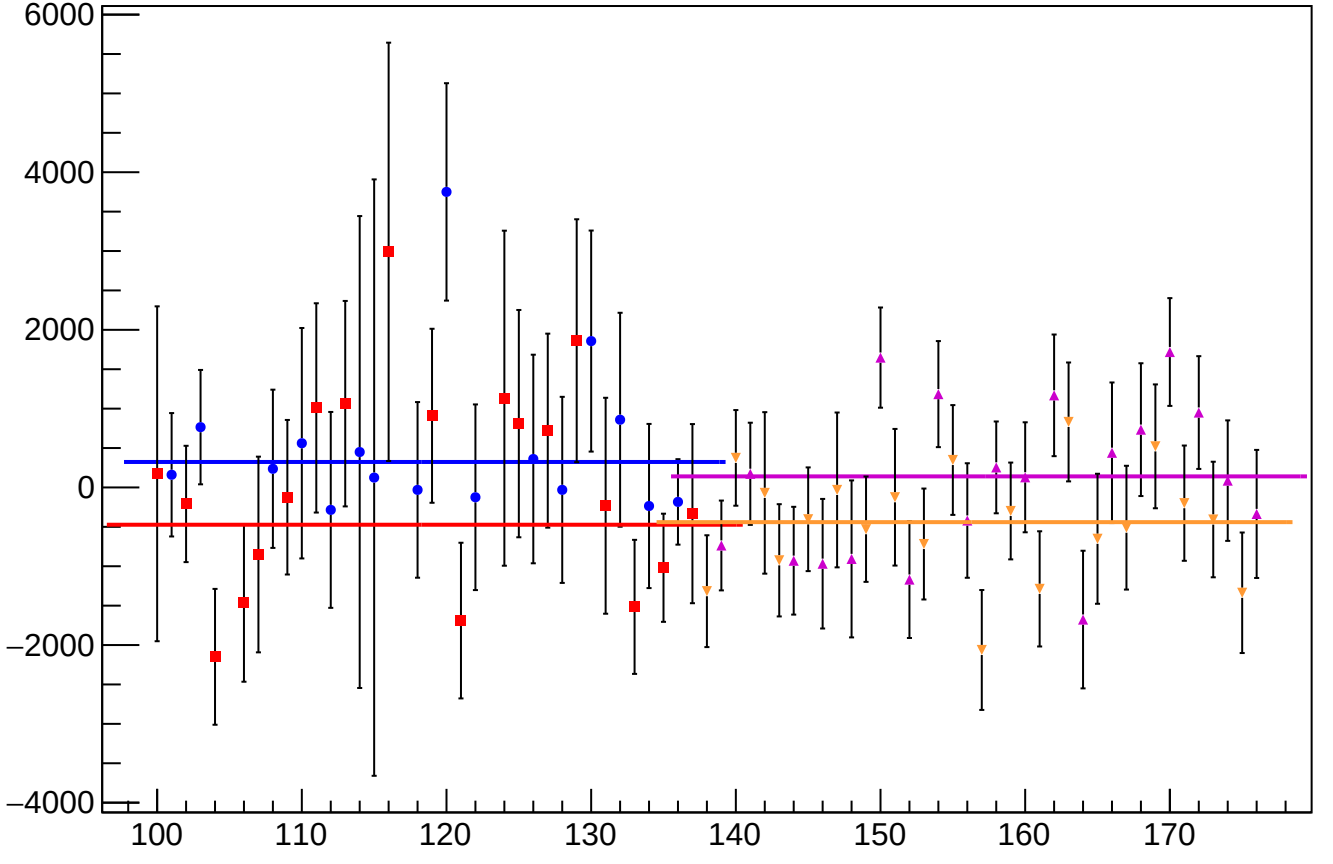
Left In: 658.966+/-0.119 χ^2/NDF:428050.4/18

+ sign 673.727+/-0.101 χ^2/NDF: 1090500.9/35

All: 669.645+/-0.071 χ^2/NDF: 2301519.3/73

- sign 665.630+/-0.100 χ^2/NDF: 1207751.2/37

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -440.343+/-164.898 χ^2/NDF:17.5/19

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

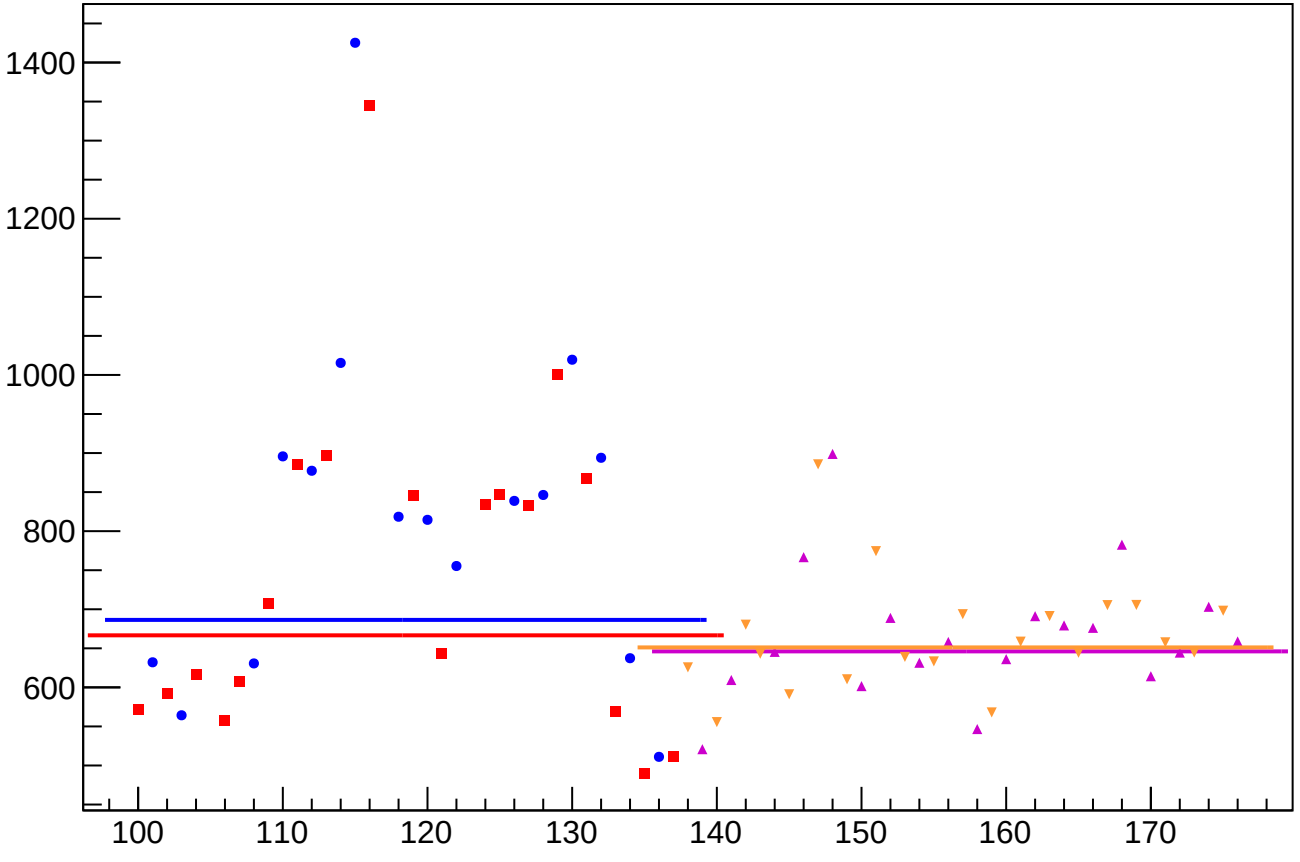
Left In: 140.292+/-165.631 χ^2/NDF:33.2/18

\+ sign -224.098+/-139.608 χ^2/NDF: 33.3/35

All: -133.949+/-98.252 χ^2/NDF: 90.9/73

\- sign -45.481+/-138.299 χ^2/NDF: 56.8/37

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 651.166+/-0.117 χ^2/NDF:310292.1/19

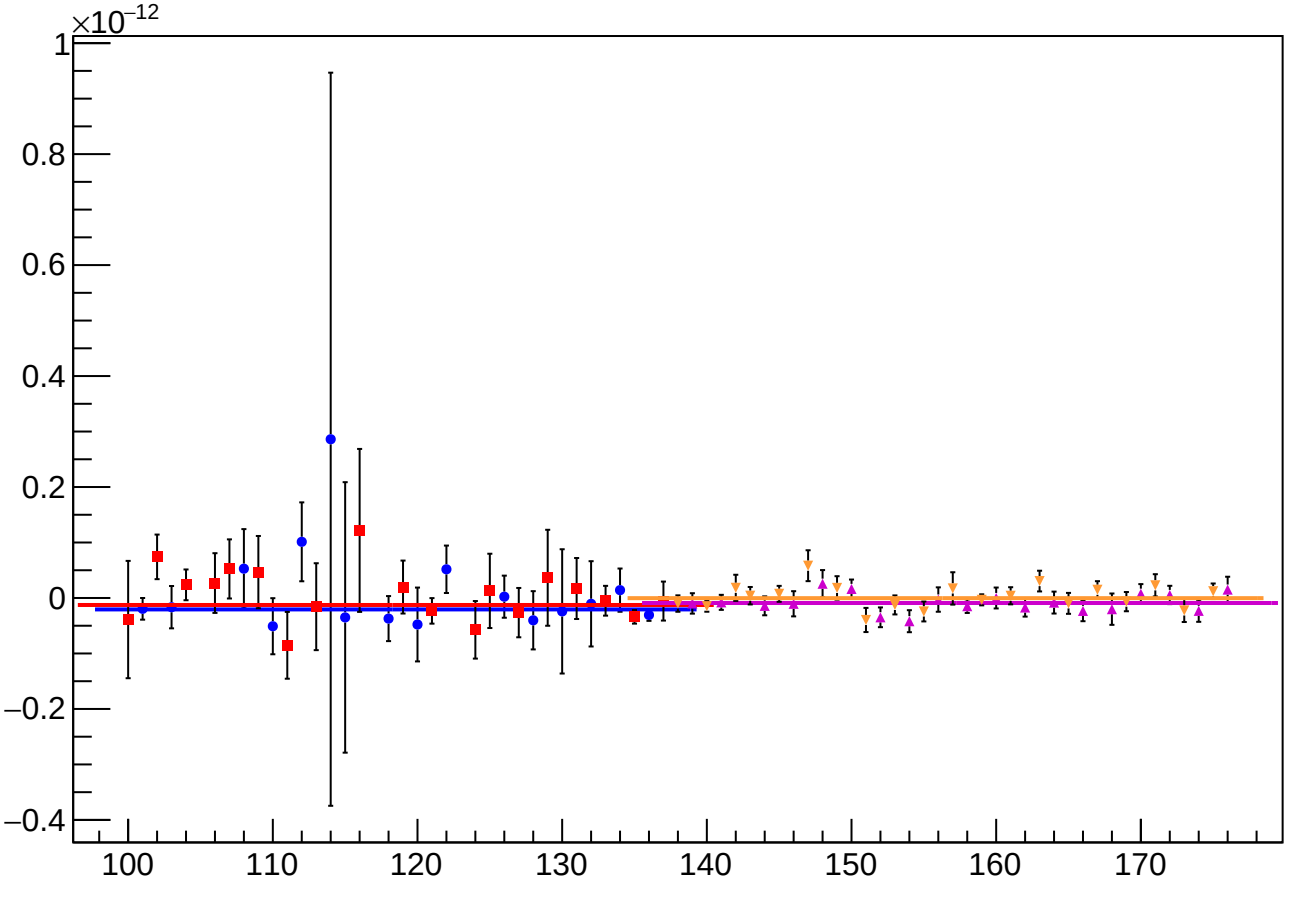
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 646.090+/-0.117 χ^2/NDF:431993.1/18

+ sign 661.143+/-0.099 χ^2/NDF: 1085598.6/35

All: 656.686+/-0.069 χ^2/NDF: 2307982.4/73

- sign 652.311+/-0.098 χ^2/NDF: 1218343.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/19

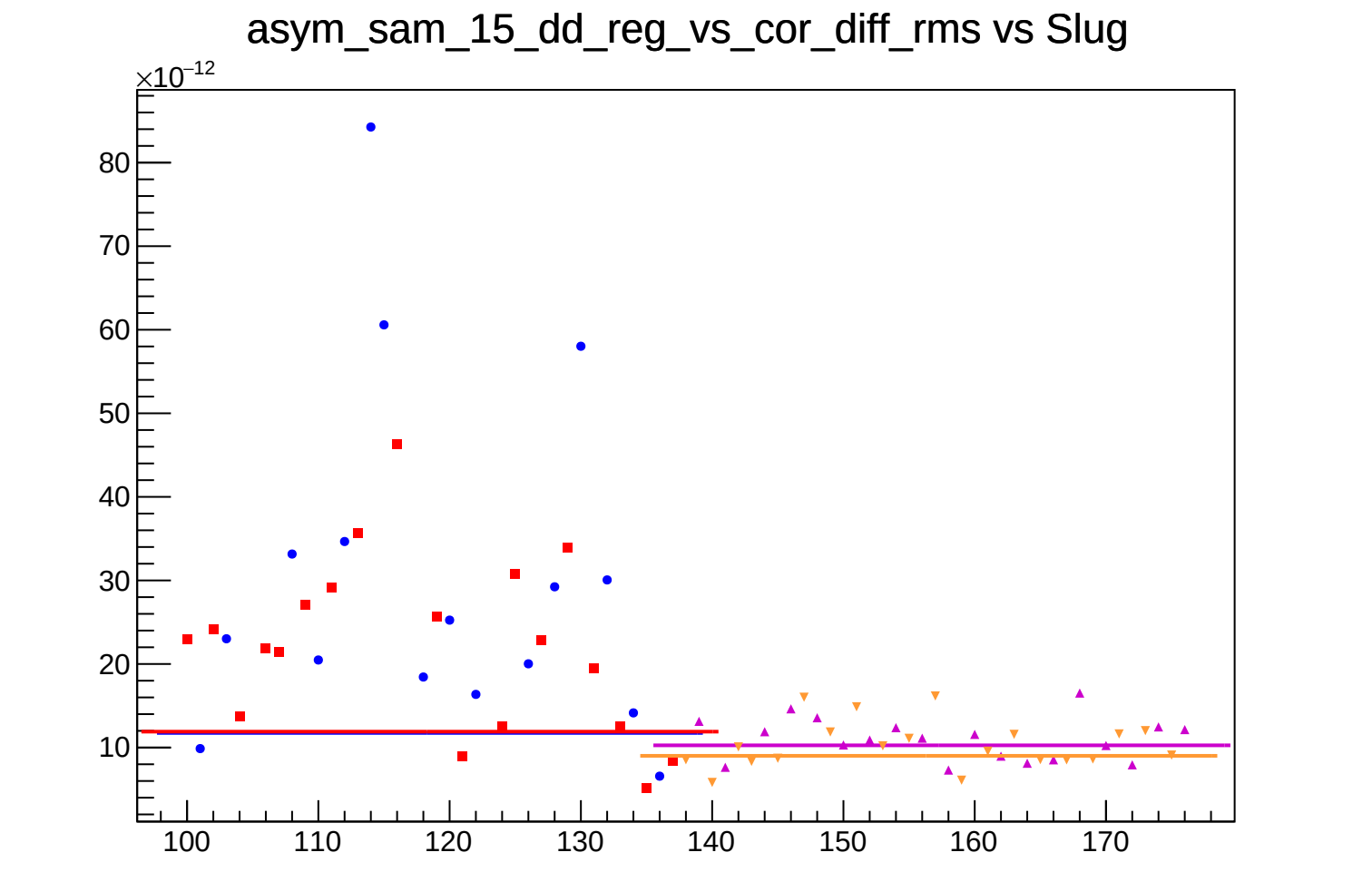
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/35

All: -0.000+/-0.000 χ^2/NDF: 70.3/73

- sign -0.000+/-0.000 χ^2/NDF: 31.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:972610.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

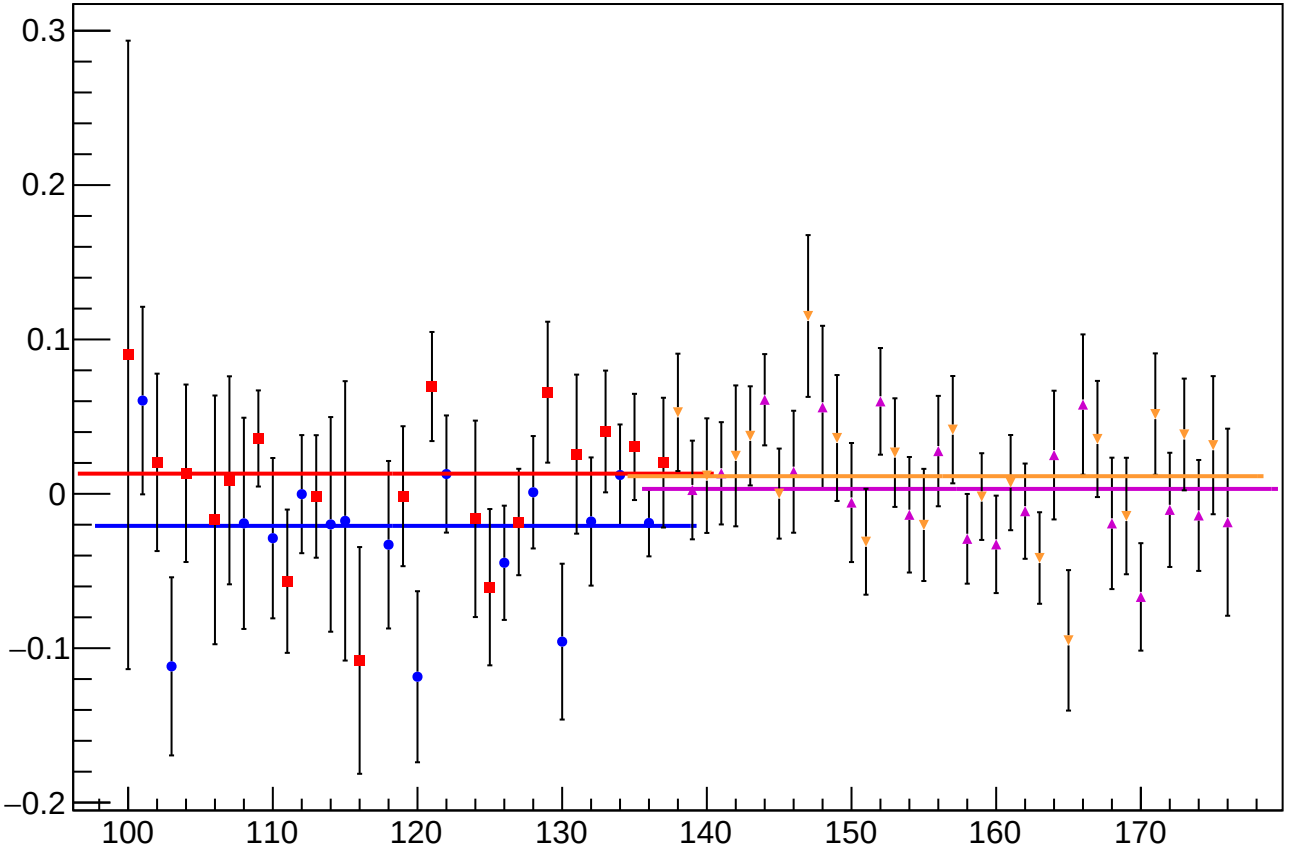
Left In: 0.000+/-0.000 χ^2/NDF:637124.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 3335761.6/35

All: 0.000+/-0.000 χ^2/NDF: 6348027.7/73

- sign 0.000+/-0.000 χ^2/NDF: 2907676.4/37

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

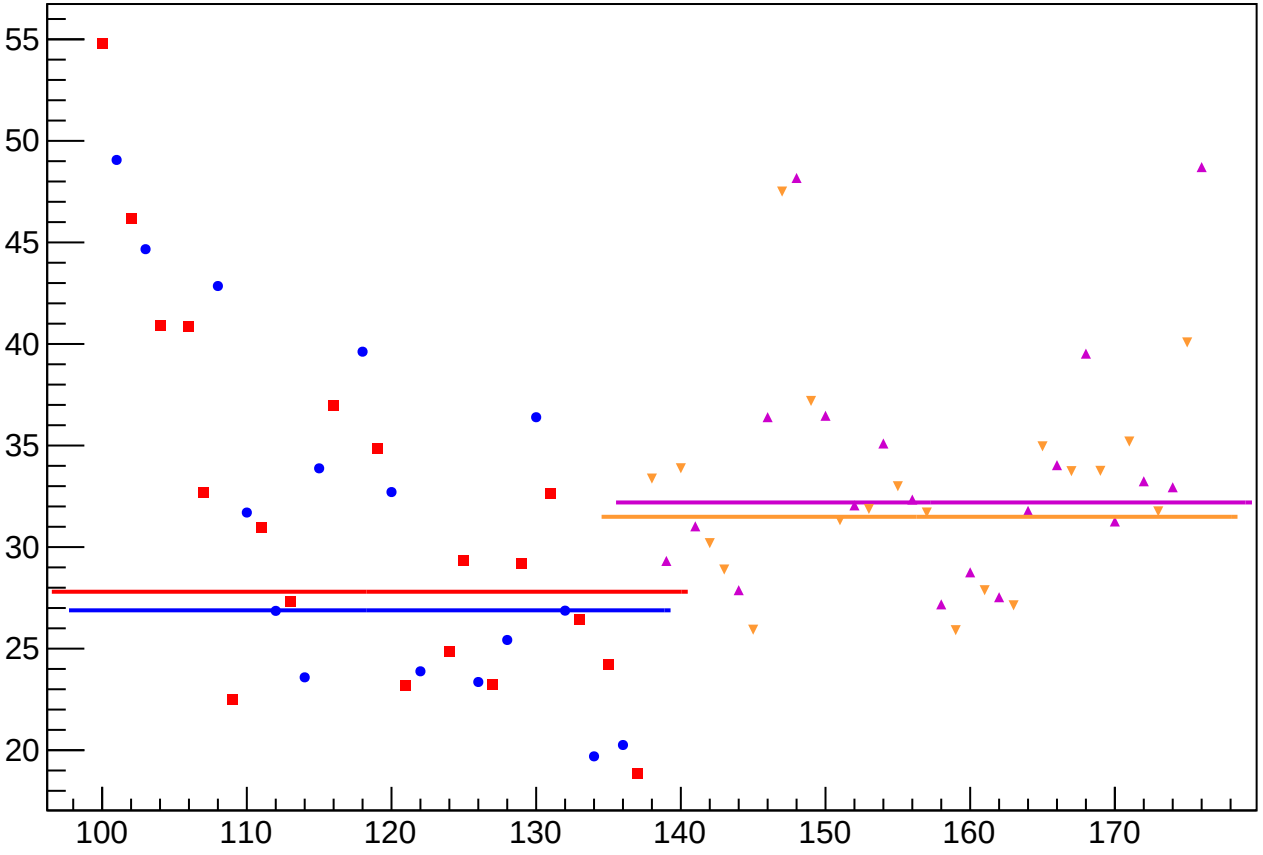
Left In: 0.003+/-0.008 χ^2/NDF:17.7/18

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/35

All: 0.003+/-0.005 χ^2/NDF: 72.4/73

- sign 0.007+/-0.007 χ^2/NDF: 32.1/37

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: 31.491+/-0.006 χ^2/NDF:597292.0/19

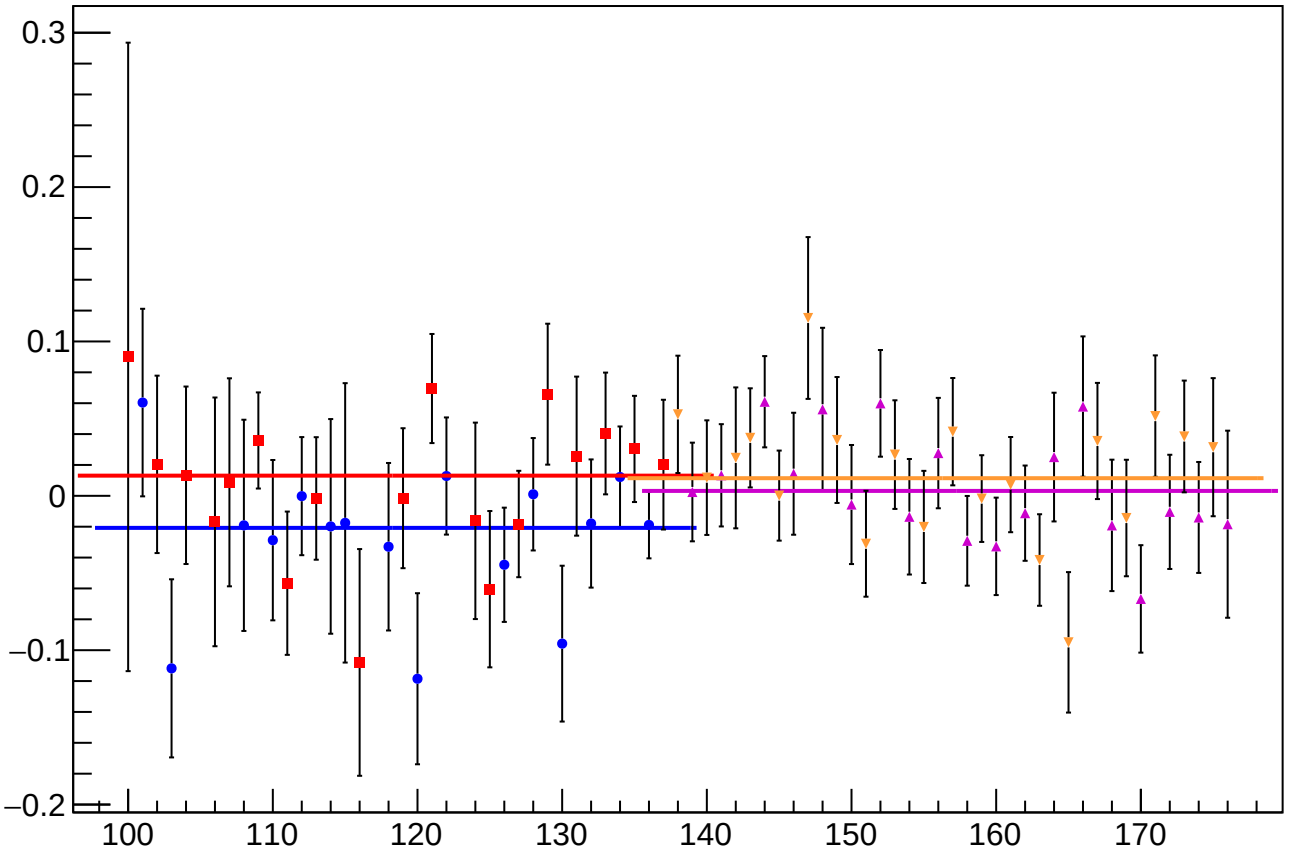
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.197+/-0.006 χ^2/NDF:647969.1/18

+ sign 29.794+/-0.005 χ^2/NDF: 1960347.0/35

All: 30.146+/-0.003 χ^2/NDF: 3598352.5/73

- sign 30.513+/-0.005 χ^2/NDF: 1625561.7/37



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

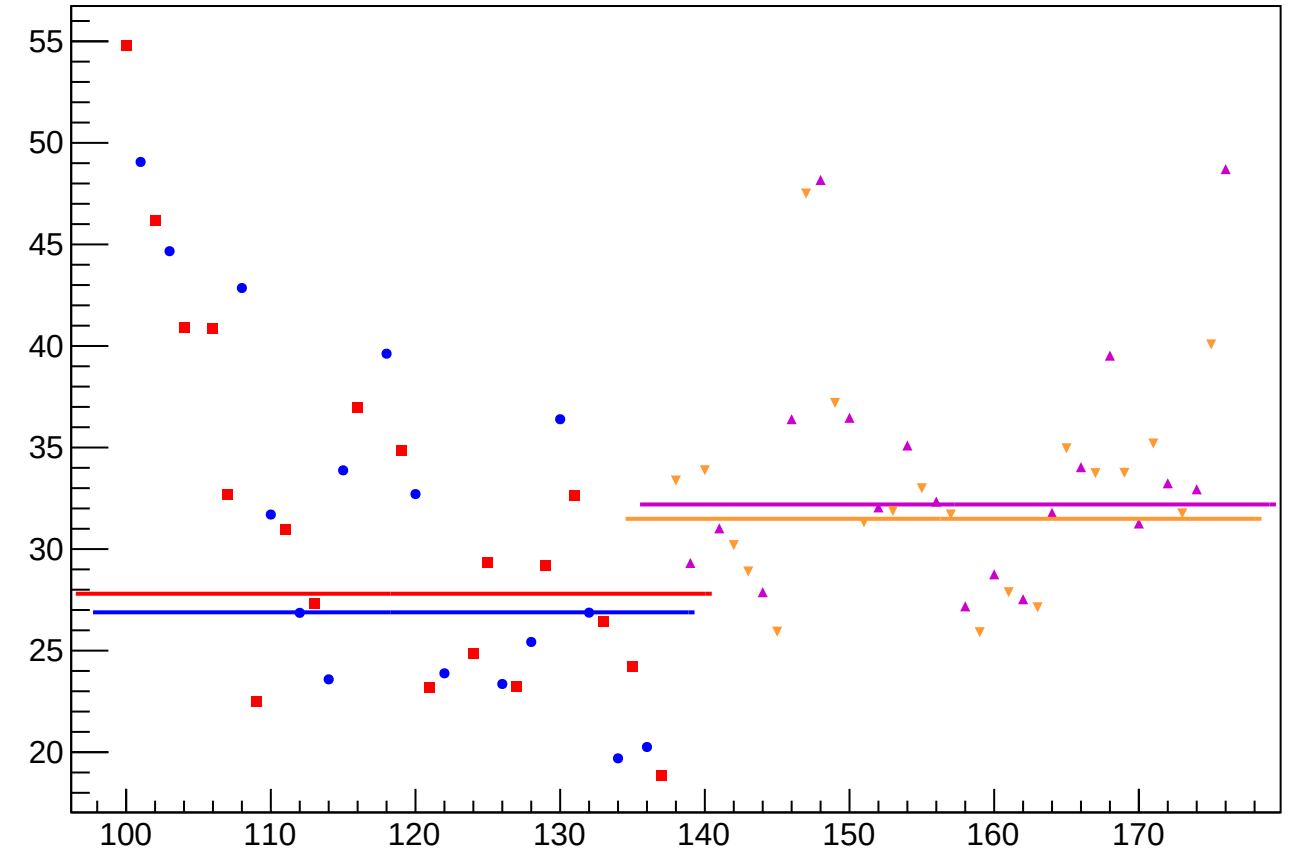
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.008 χ^2/NDF:17.7/18

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/35

All: 0.003+/-0.005 χ^2/NDF: 72.4/73

- sign 0.007+/-0.007 χ^2/NDF: 32.1/37



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597292.0/19

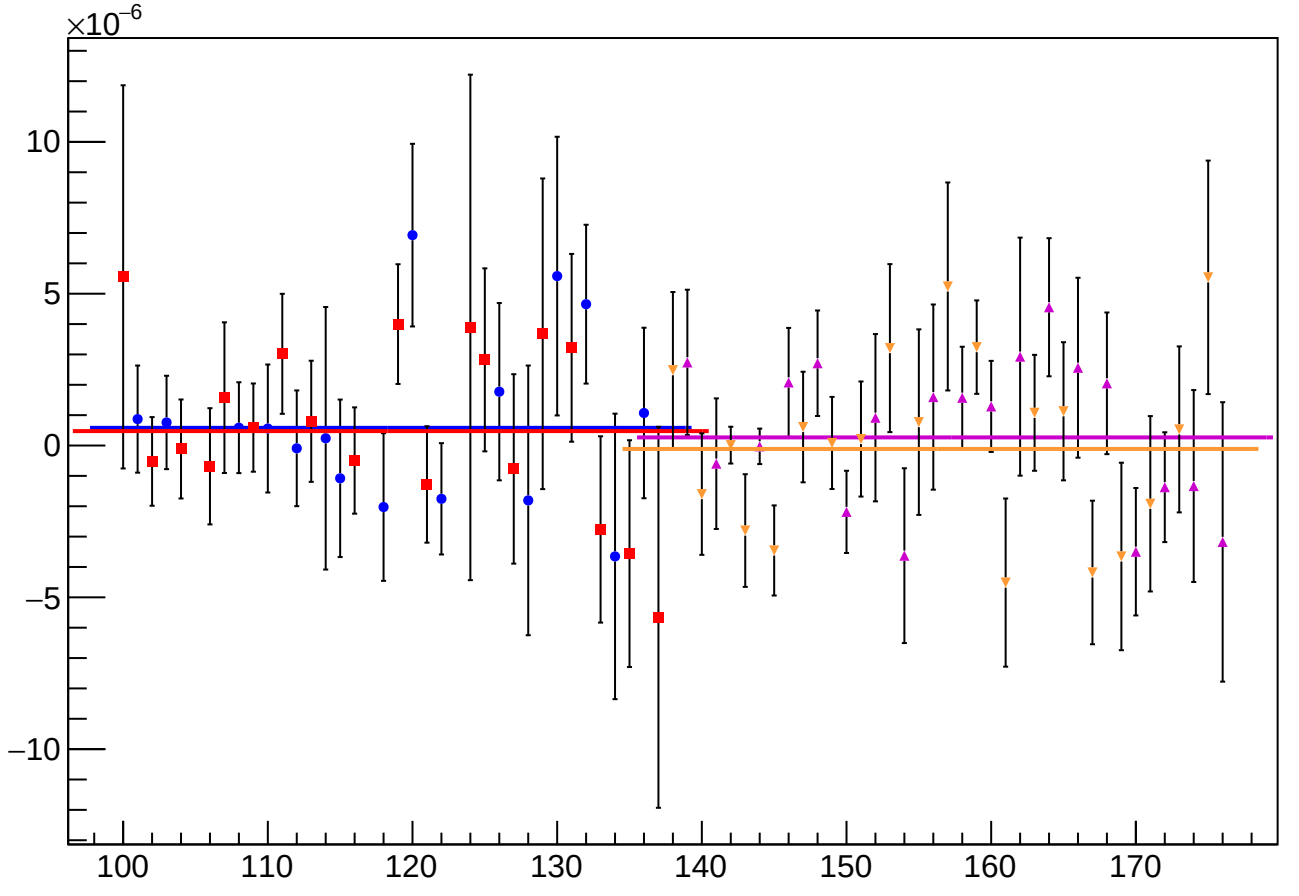
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.197+/-0.006 χ^2/NDF:647969.1/18

+ sign 29.794+/-0.005 χ^2/NDF: 1960347.0/35

All: 30.146+/-0.003 χ^2/NDF: 3598352.5/73

- sign 30.513+/-0.005 χ^2/NDF: 1625561.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/19

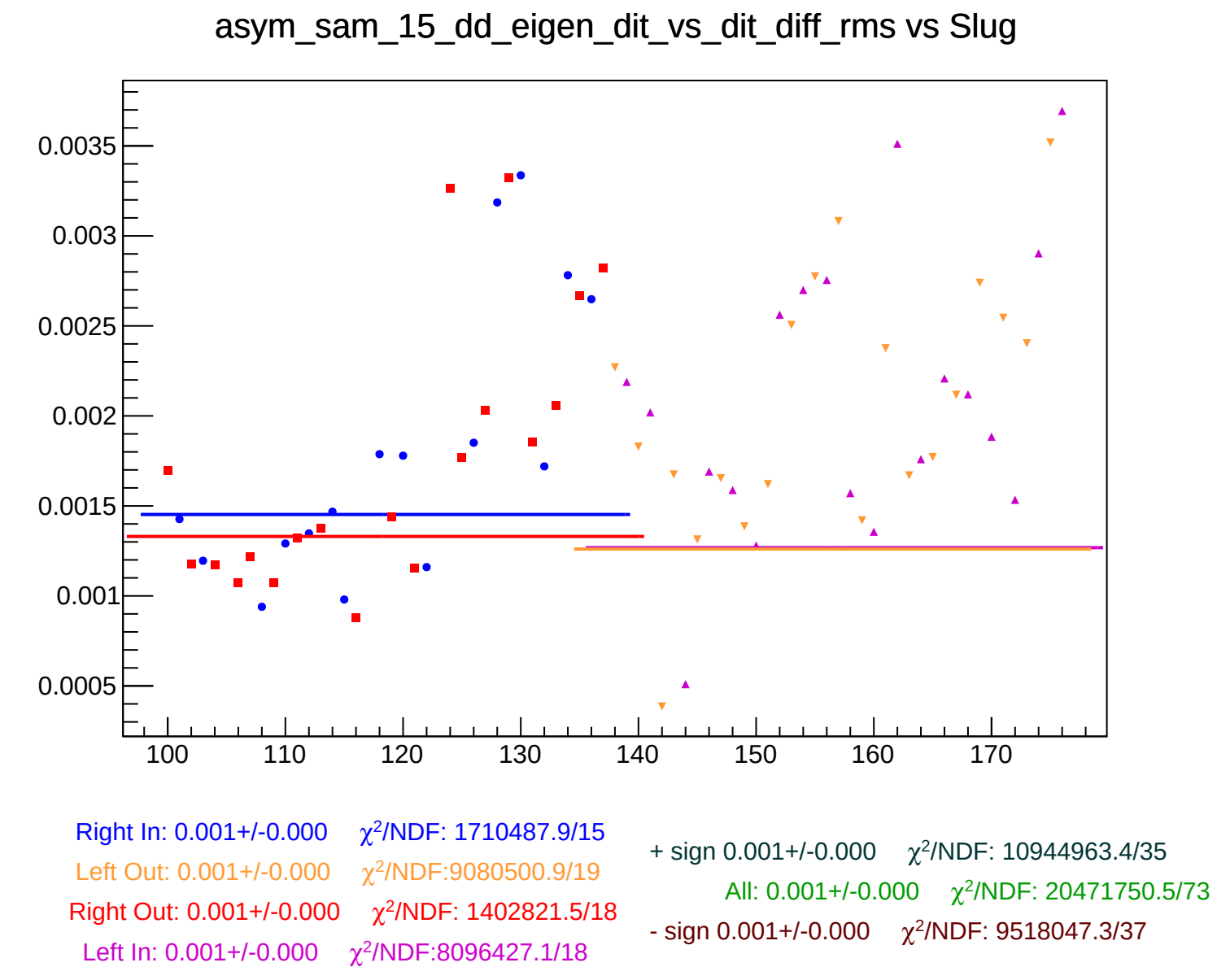
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

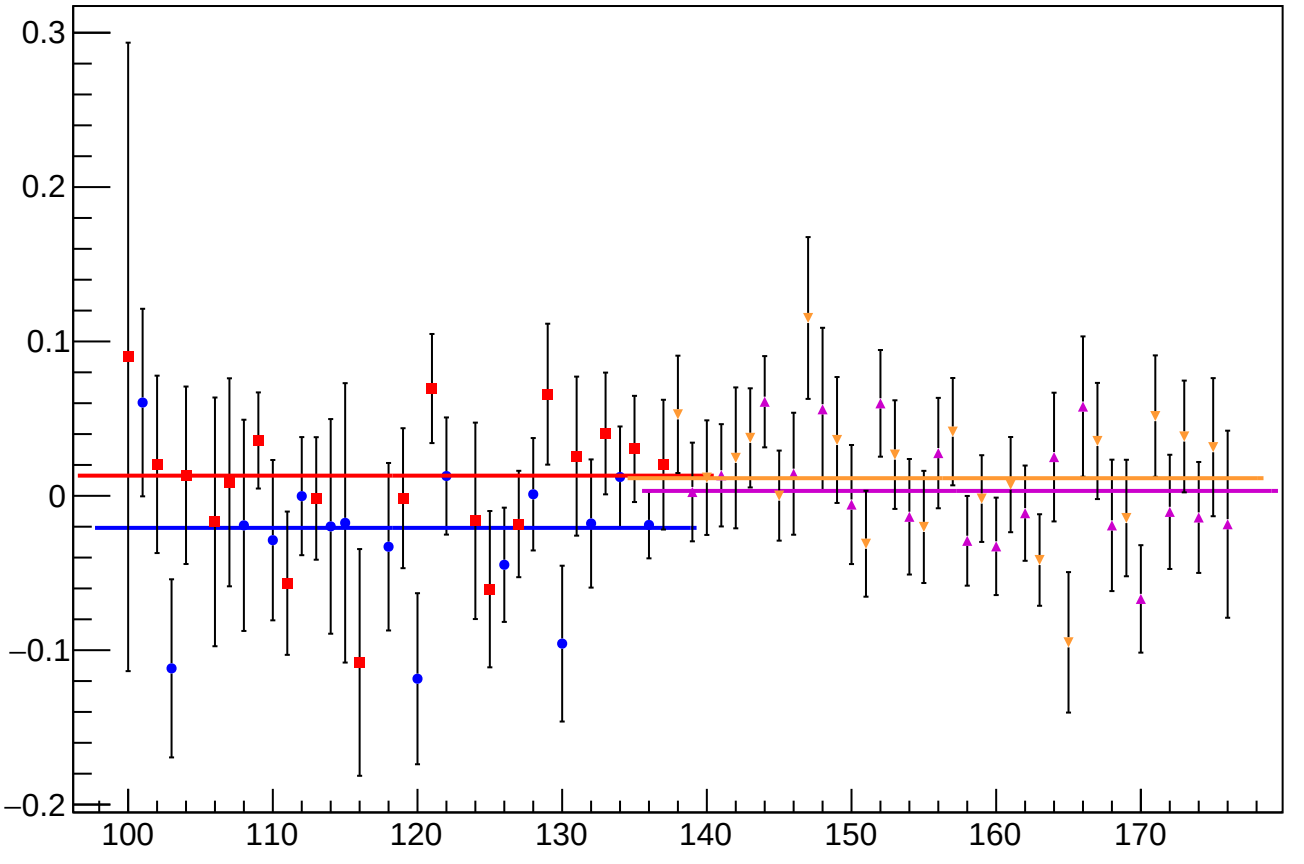
Left In: 0.000+/-0.000 χ^2/NDF:21.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/35

All: 0.000+/-0.000 χ^2/NDF: 76.1/73

- sign 0.000+/-0.000 χ^2/NDF: 34.3/37


asym_sam_15_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
160
170
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:9080500.9/19
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:8096427.1/18
+ sign 0.001+/-0.000 χ²/NDF: 10944963.4/35
All: 0.001+/-0.000 χ²/NDF: 20471750.5/73
- sign 0.001+/-0.000 χ²/NDF: 9518047.3/37



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

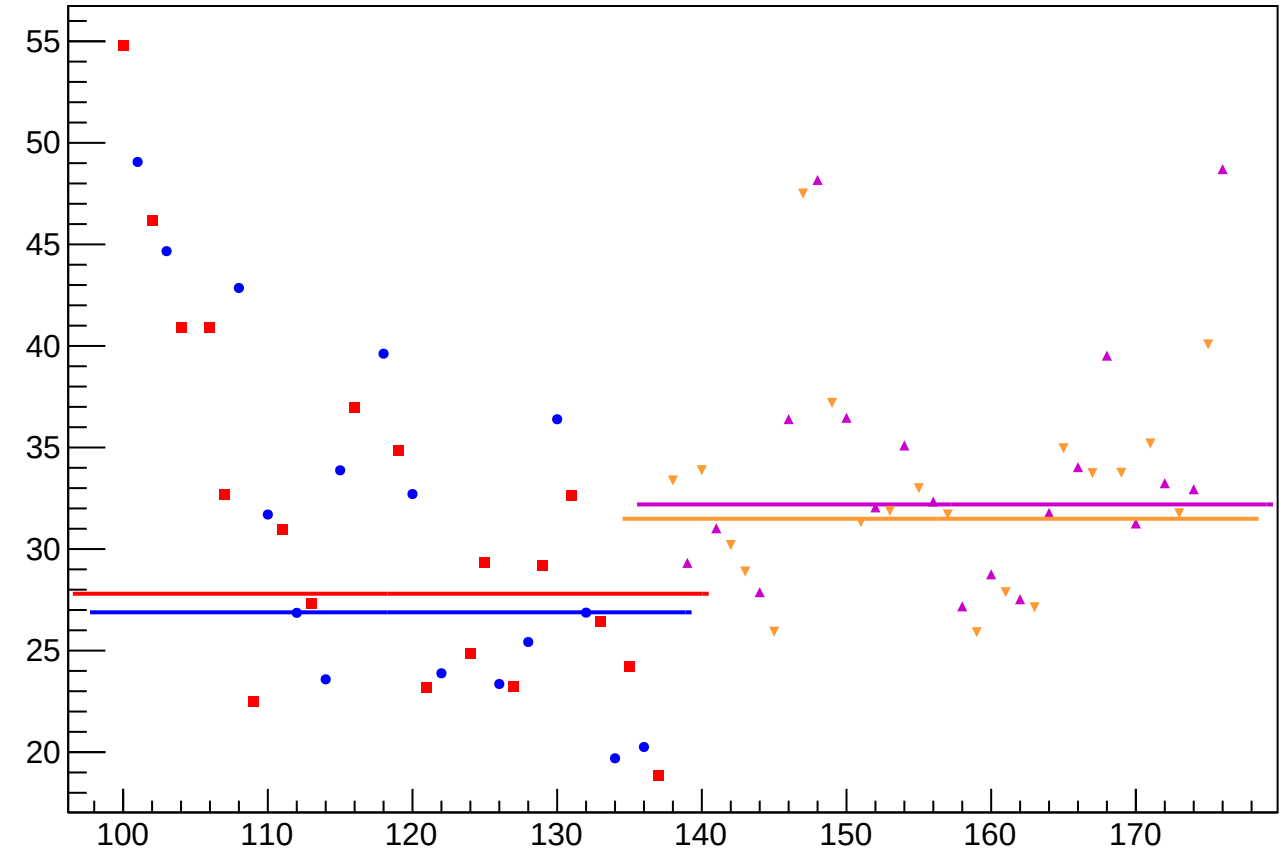
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.008 χ^2/NDF:17.7/18

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/35

All: 0.003+/-0.005 χ^2/NDF: 72.4/73

- sign 0.007+/-0.007 χ^2/NDF: 32.1/37



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597421.0/19

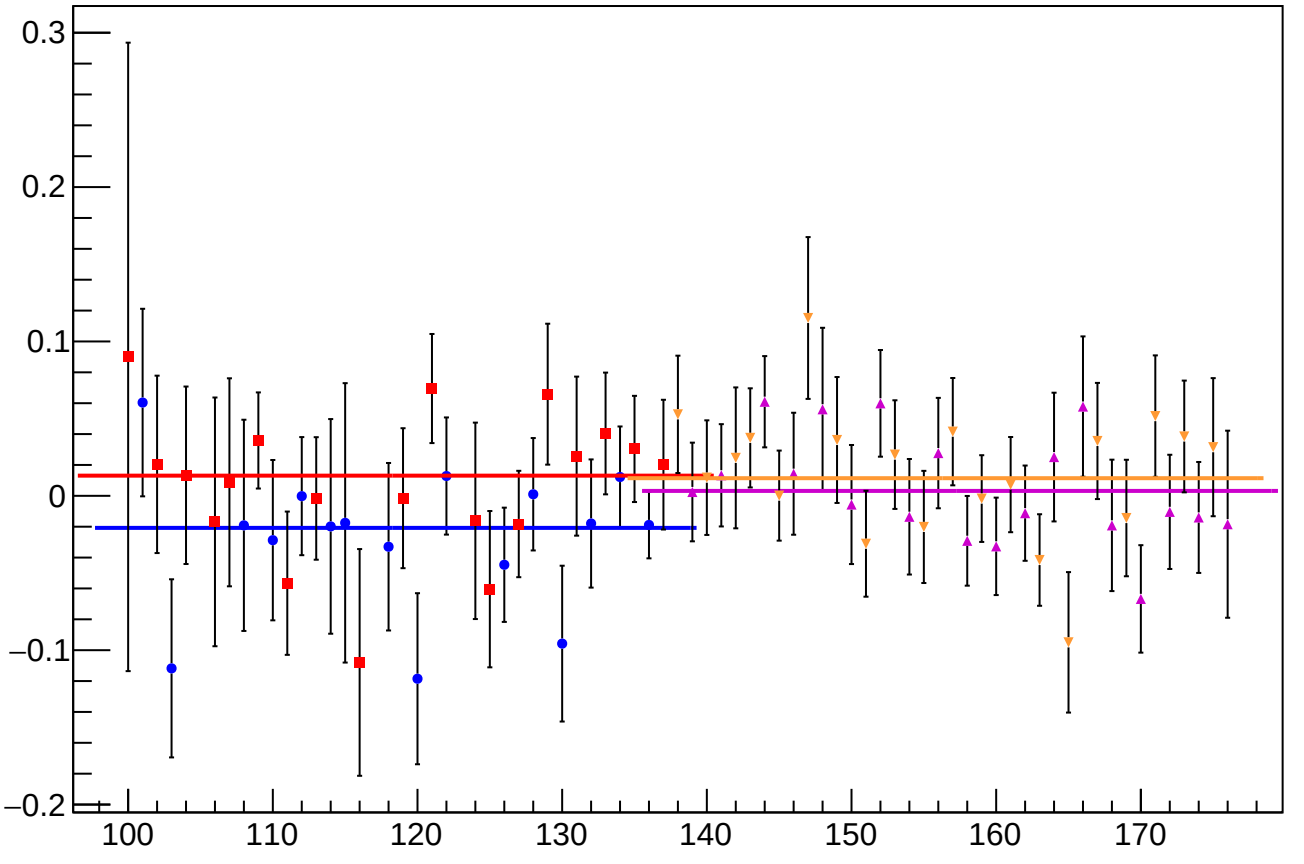
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.197+/-0.006 χ^2/NDF:648047.7/18

+ sign 29.793+/-0.005 χ^2/NDF: 1960583.8/35

All: 30.145+/-0.003 χ^2/NDF: 3598916.6/73

- sign 30.513+/-0.005 χ^2/NDF: 1625894.7/37



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

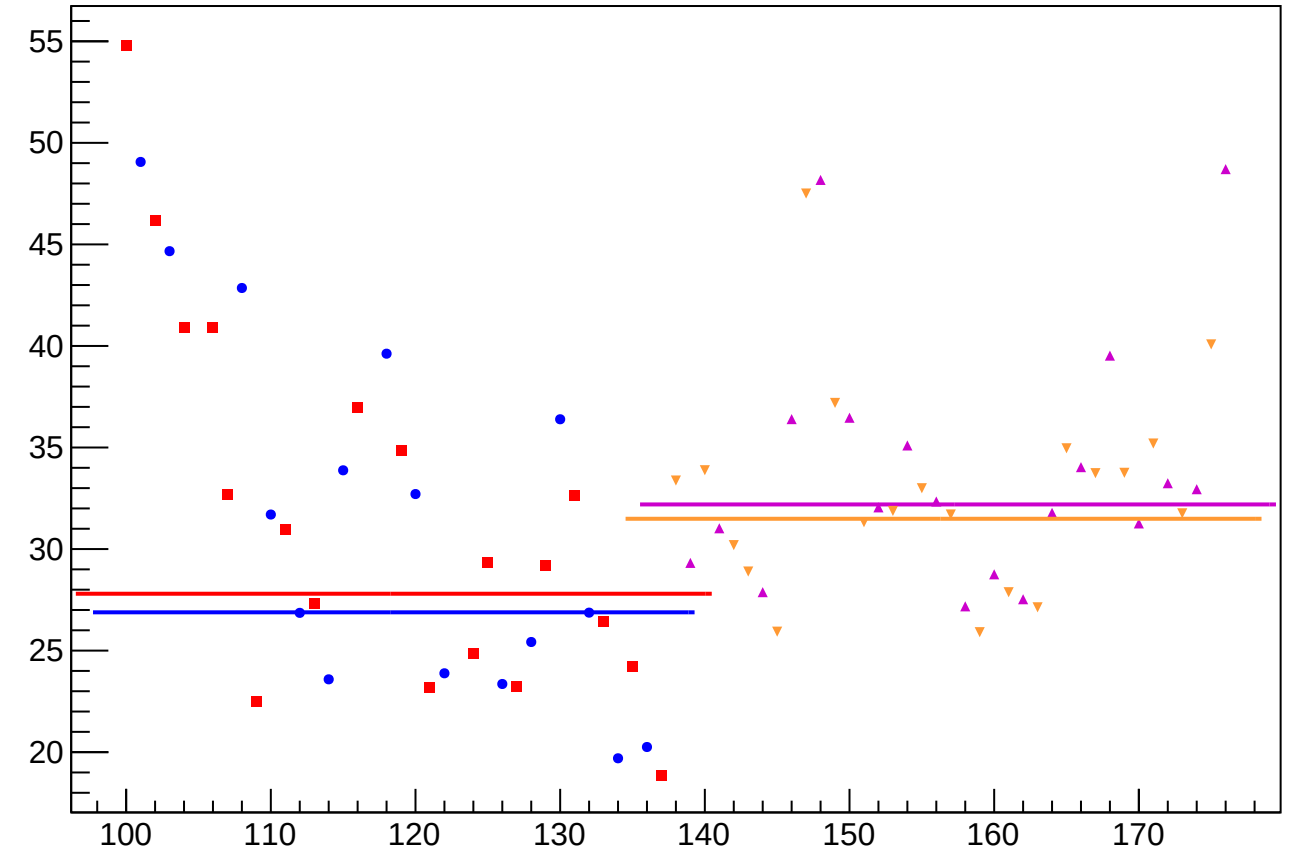
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.008 χ^2/NDF:17.7/18

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/35

All: 0.003+/-0.005 χ^2/NDF: 72.4/73

- sign 0.007+/-0.007 χ^2/NDF: 32.1/37



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597421.0/19

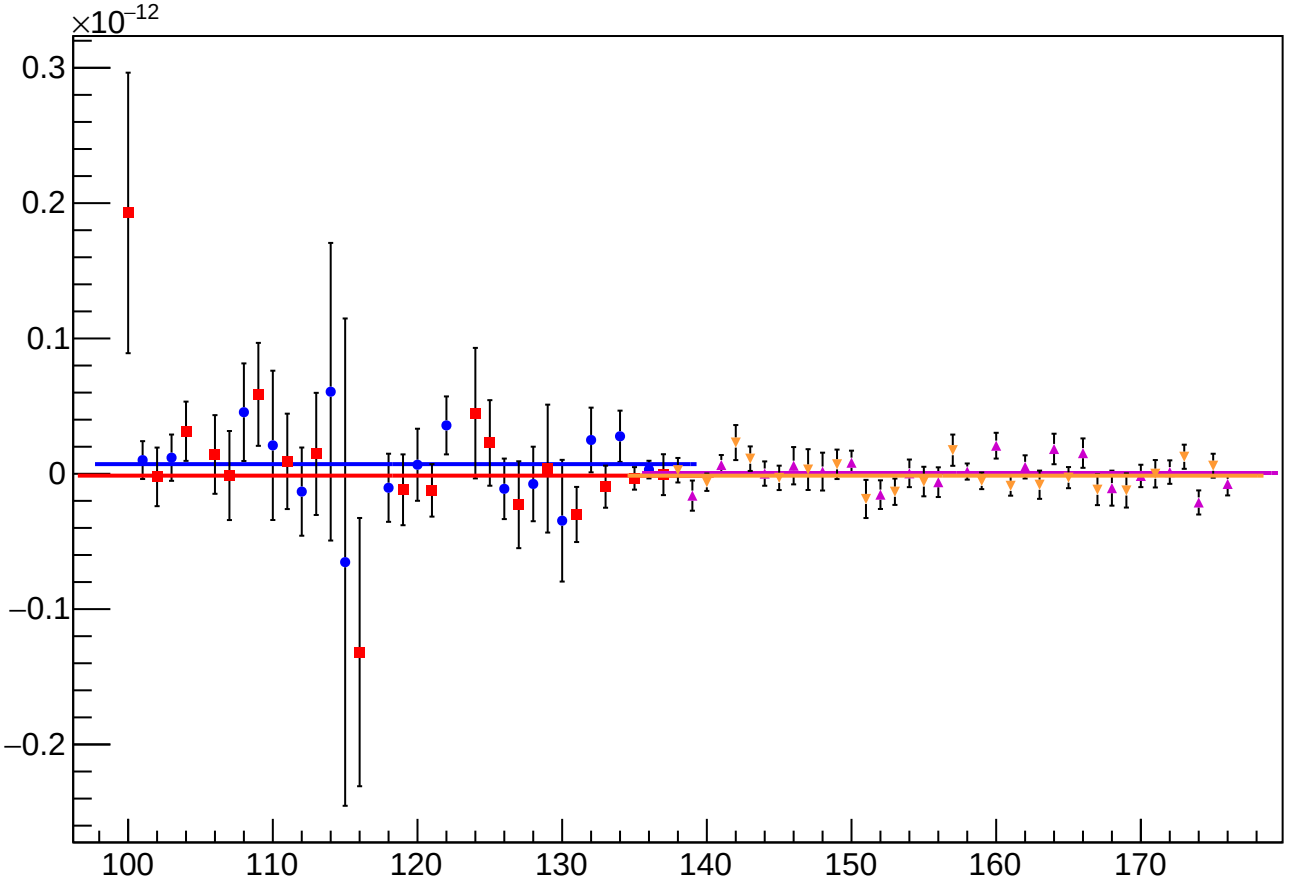
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.197+/-0.006 χ^2/NDF:648047.7/18

+ sign 29.793+/-0.005 χ^2/NDF: 1960583.8/35

All: 30.145+/-0.003 χ^2/NDF: 3598916.6/73

- sign 30.513+/-0.005 χ^2/NDF: 1625894.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/19

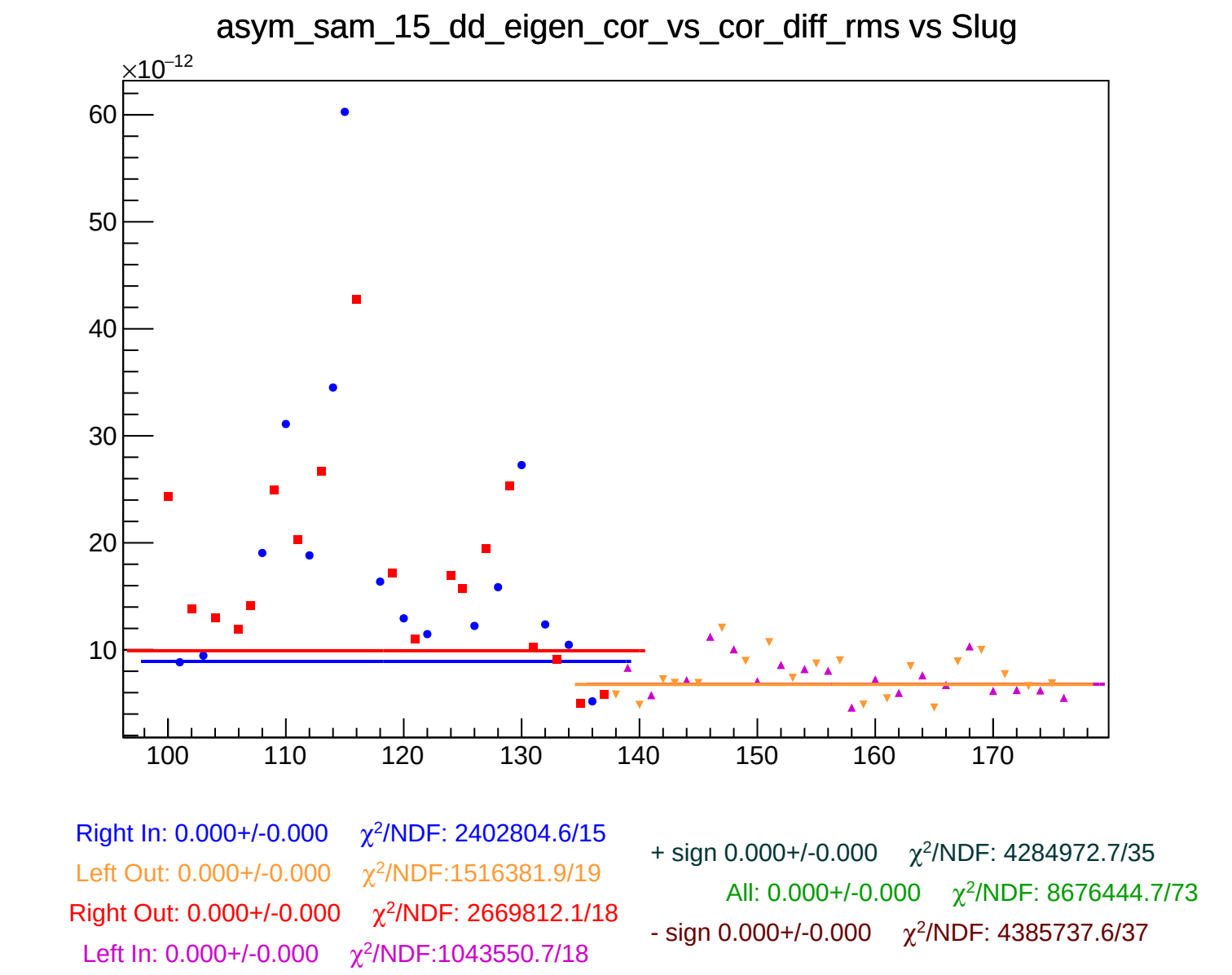
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:23.3/18

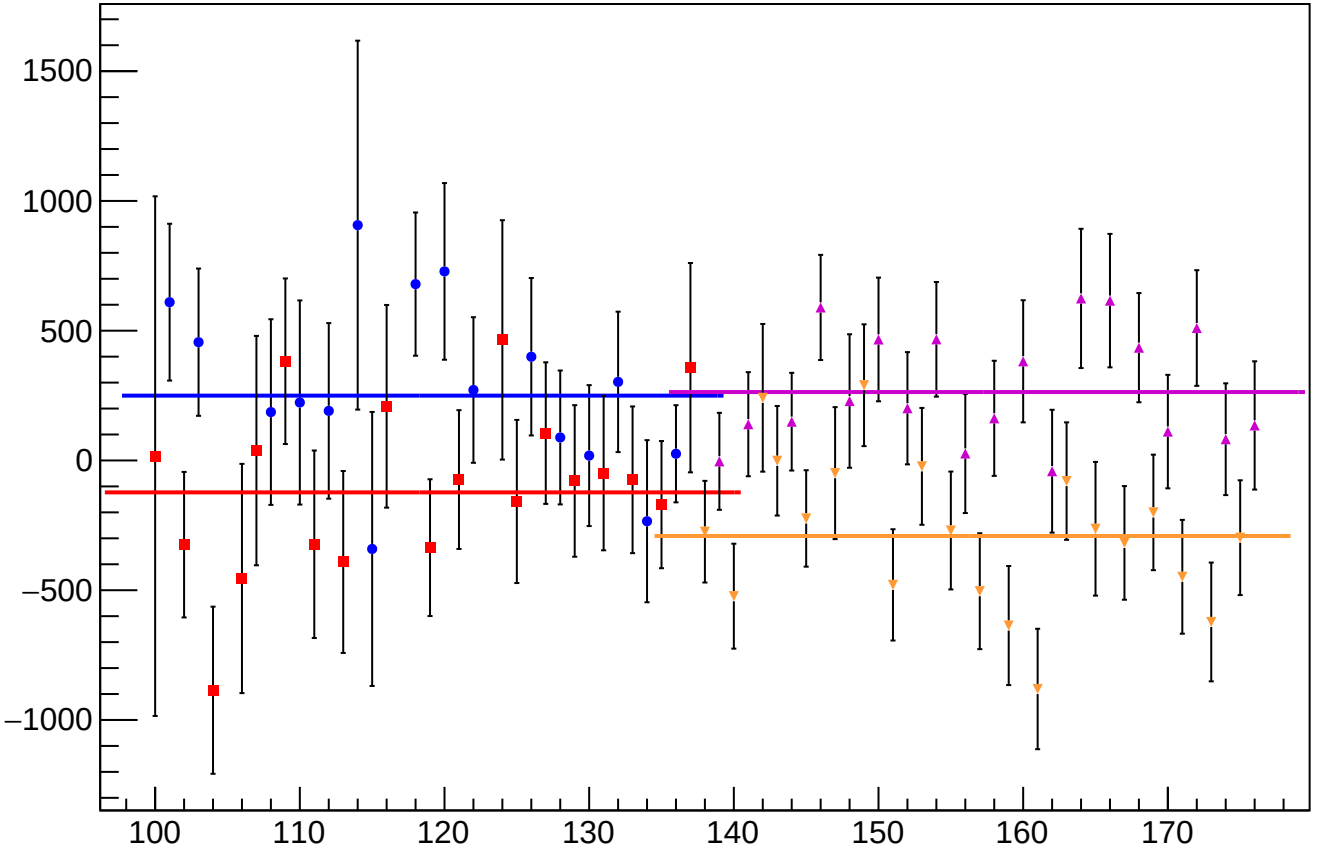
+ sign 0.000+/-0.000 χ^2/NDF: 30.6/35

All: 0.000+/-0.000 χ^2/NDF: 69.2/73

- sign 0.000+/-0.000 χ^2/NDF: 38.6/37


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1516381.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:1043550.7/18
+ sign 0.000+/-0.000 χ²/NDF: 4284972.7/35
All: 0.000+/-0.000 χ²/NDF: 8676444.7/73
- sign 0.000+/-0.000 χ²/NDF: 4385737.6/37

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.010+/-49.852 χ^2/NDF:29.4/19

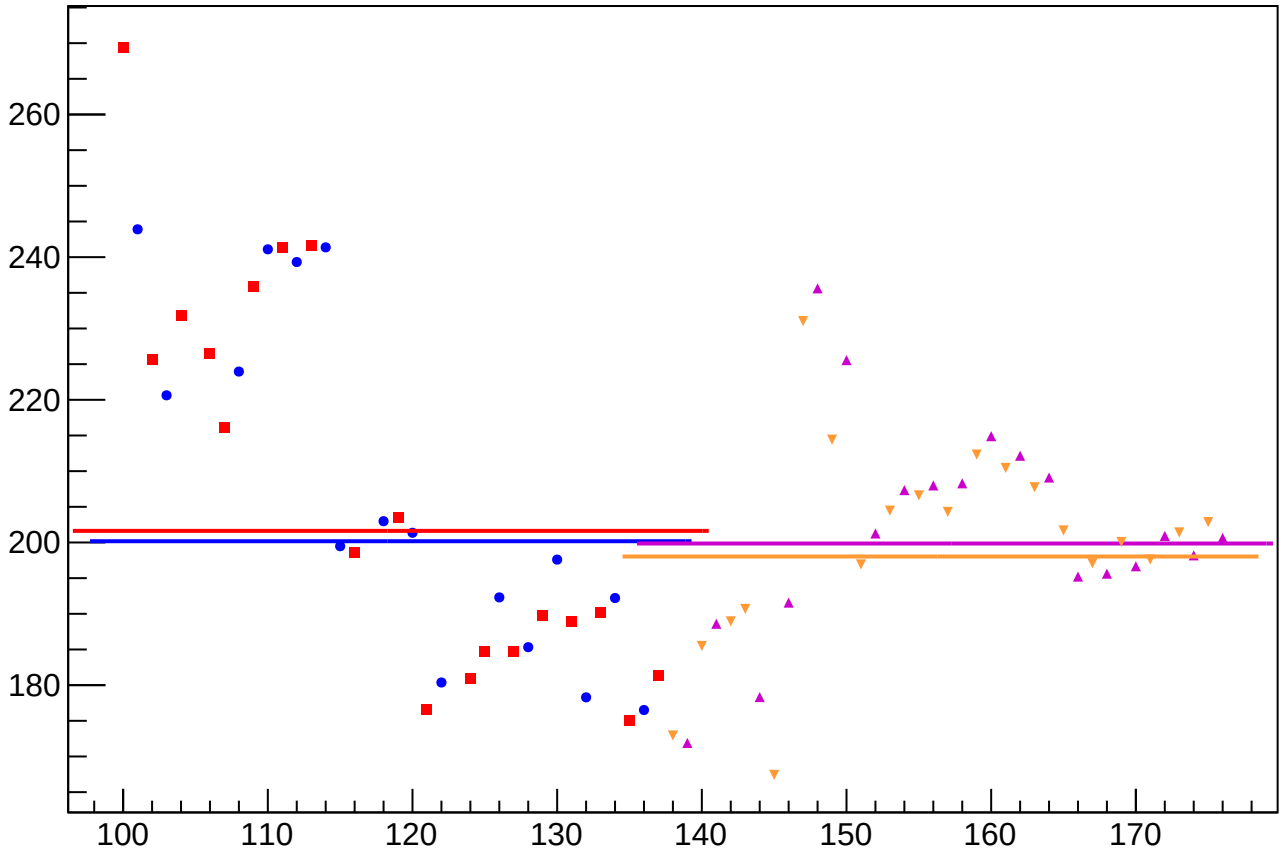
Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: 263.535+/-50.863 χ^2/NDF:17.3/18

+ sign -124.926+/-41.496 χ^2/NDF: 79.3/35

All: 6.166+/-29.513 χ^2/NDF: 150.7/73

- sign 140.355+/-41.983 χ^2/NDF: 51.2/37



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 198.035+/-0.035 χ^2/NDF:167963.5/19

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

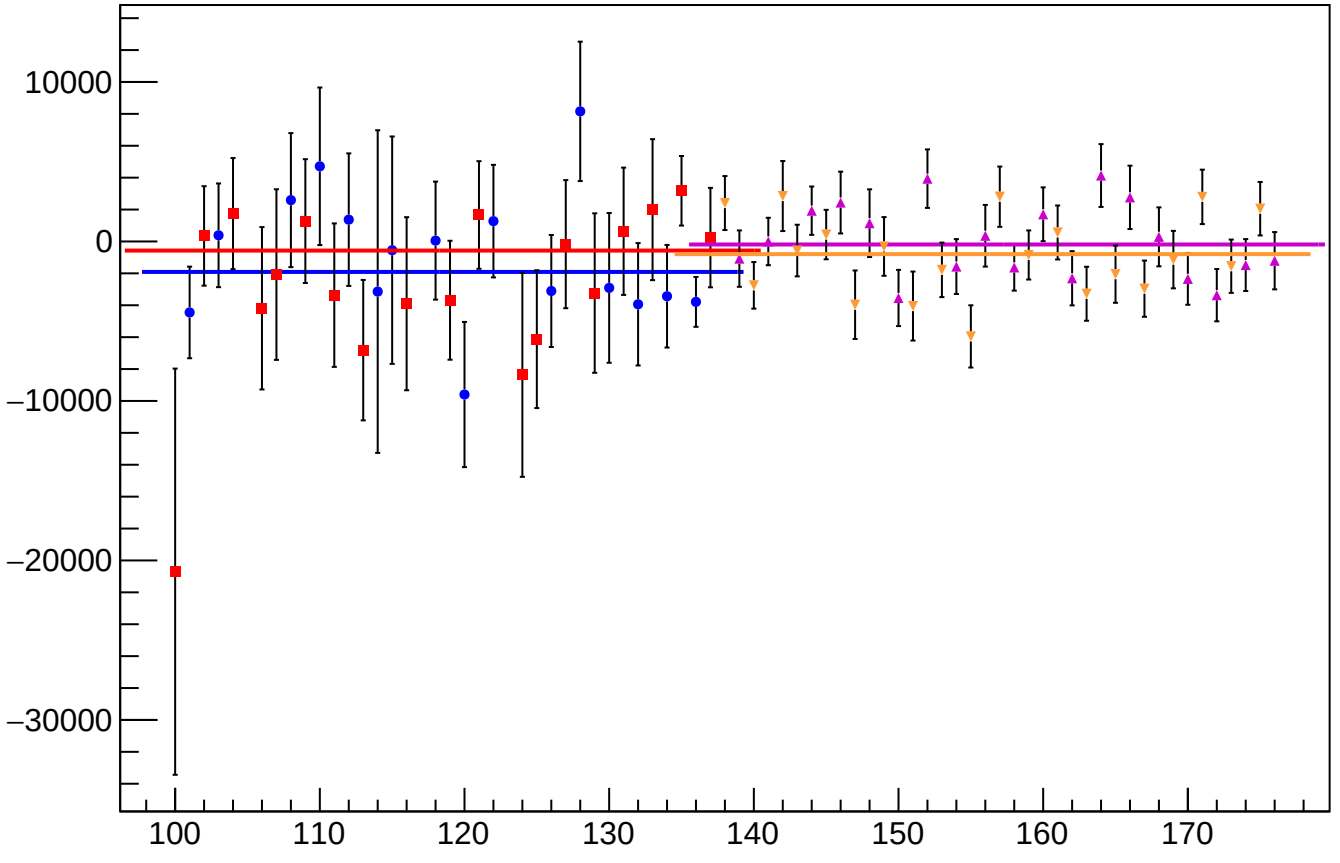
Left In: 199.857+/-0.036 χ^2/NDF:168350.6/18

+ sign 198.693+/-0.029 χ^2/NDF: 350098.7/35

All: 199.547+/-0.021 χ^2/NDF: 718181.3/73

- sign 200.421+/-0.030 χ^2/NDF: 366368.4/37

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -795.085+/-390.600 χ^2/NDF:36.6/19

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

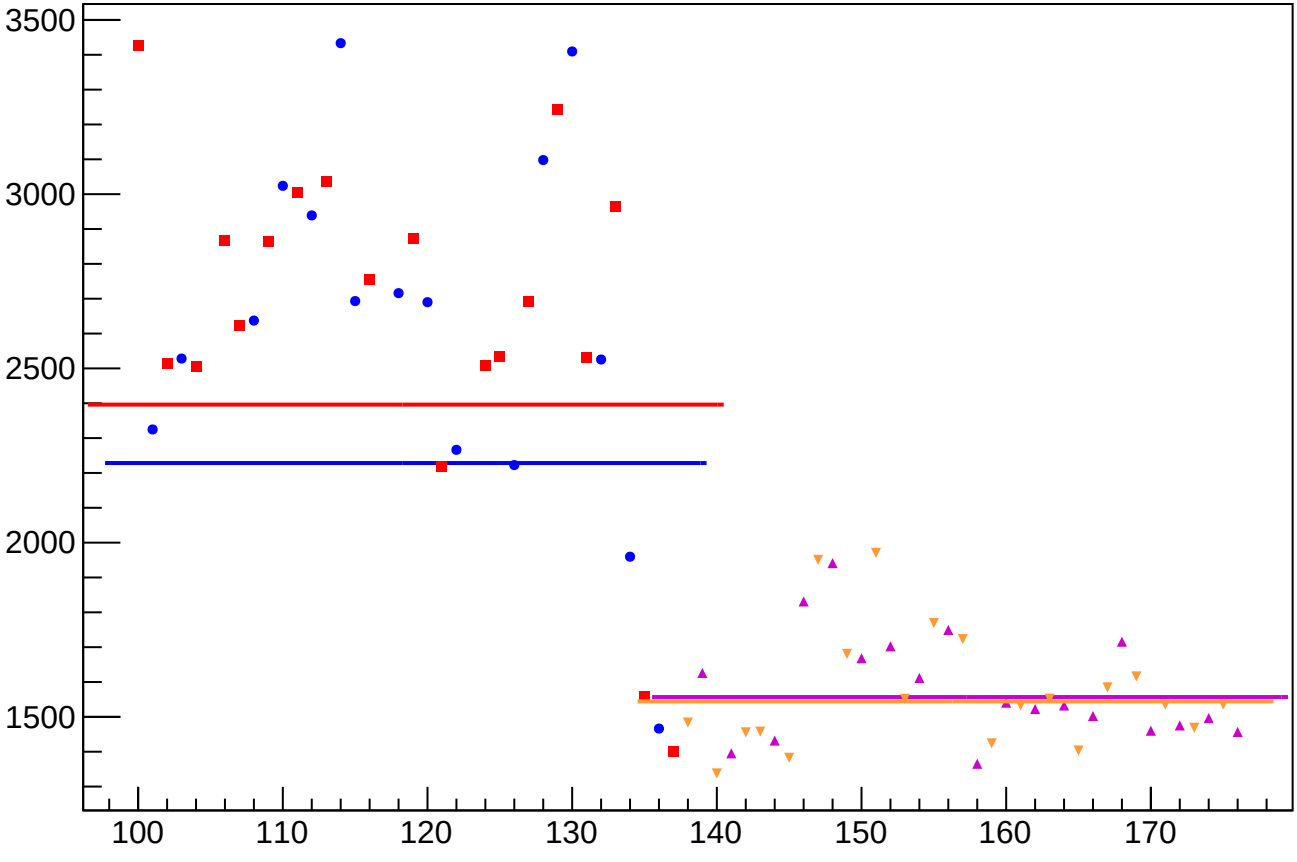
Left In: -189.681+/-397.392 χ^2/NDF:31.2/18

+ sign -986.141+/-355.573 χ^2/NDF: 54.3/35

All: -627.143+/-254.205 χ^2/NDF: 102.4/73

- sign -251.834+/-363.561 χ^2/NDF: 46.0/37

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1544.377+/-0.276 χ^2/NDF:311350.2/19

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

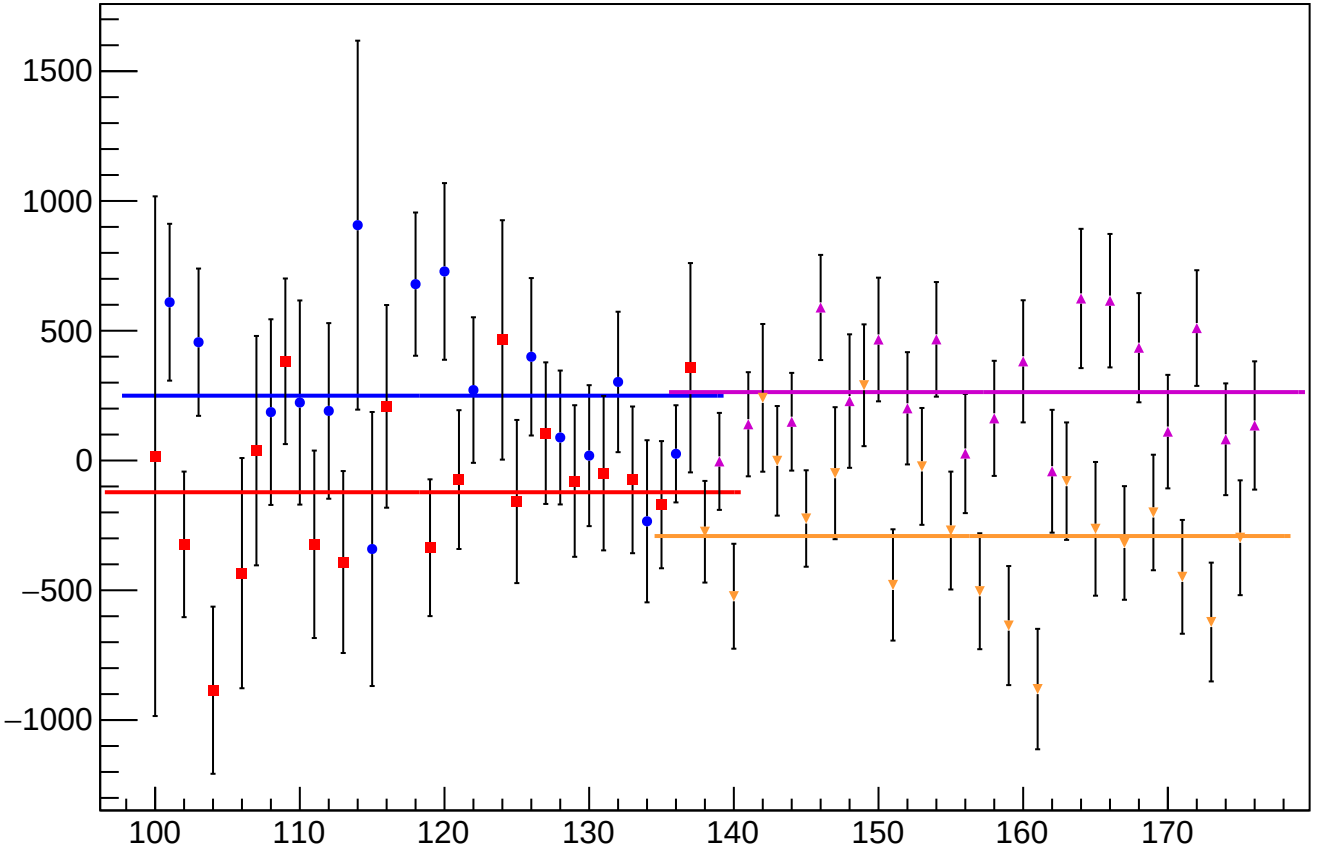
Left In: 1556.885+/-0.281 χ^2/NDF:261563.3/18

+ sign 1661.563+/-0.251 χ^2/NDF: 2309823.7/35

All: 1677.269+/-0.180 χ^2/NDF: 4832767.3/73

- sign 1693.688+/-0.257 χ^2/NDF: 2514961.9/37

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.007+/-49.852 χ^2/NDF:29.4/19

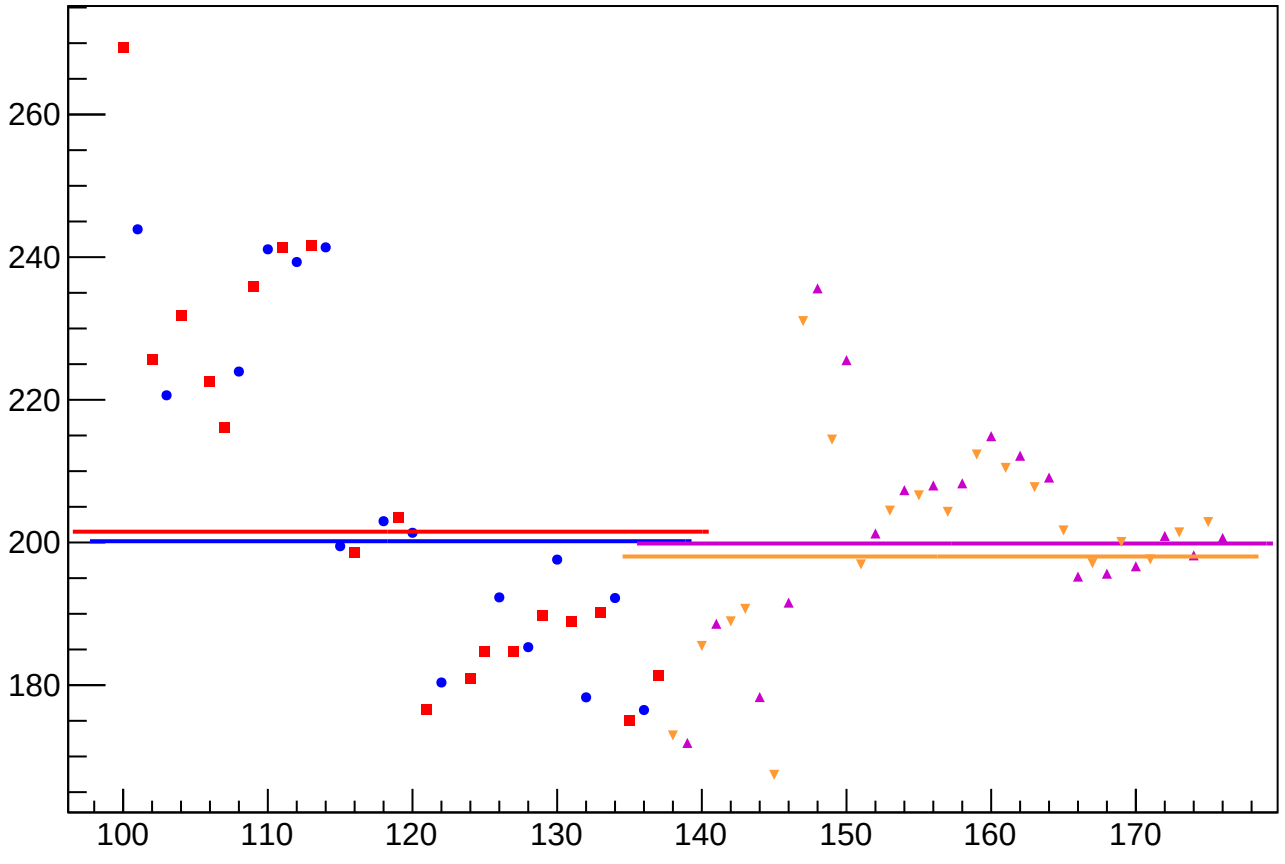
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 263.540+/-50.863 χ^2/NDF:17.3/18

+ sign -124.924+/-41.496 χ^2/NDF: 79.3/35

All: 6.298+/-29.514 χ^2/NDF: 150.6/73

- sign 140.631+/-41.985 χ^2/NDF: 51.1/37



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.035+/-0.035 χ^2/NDF:167963.5/19

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

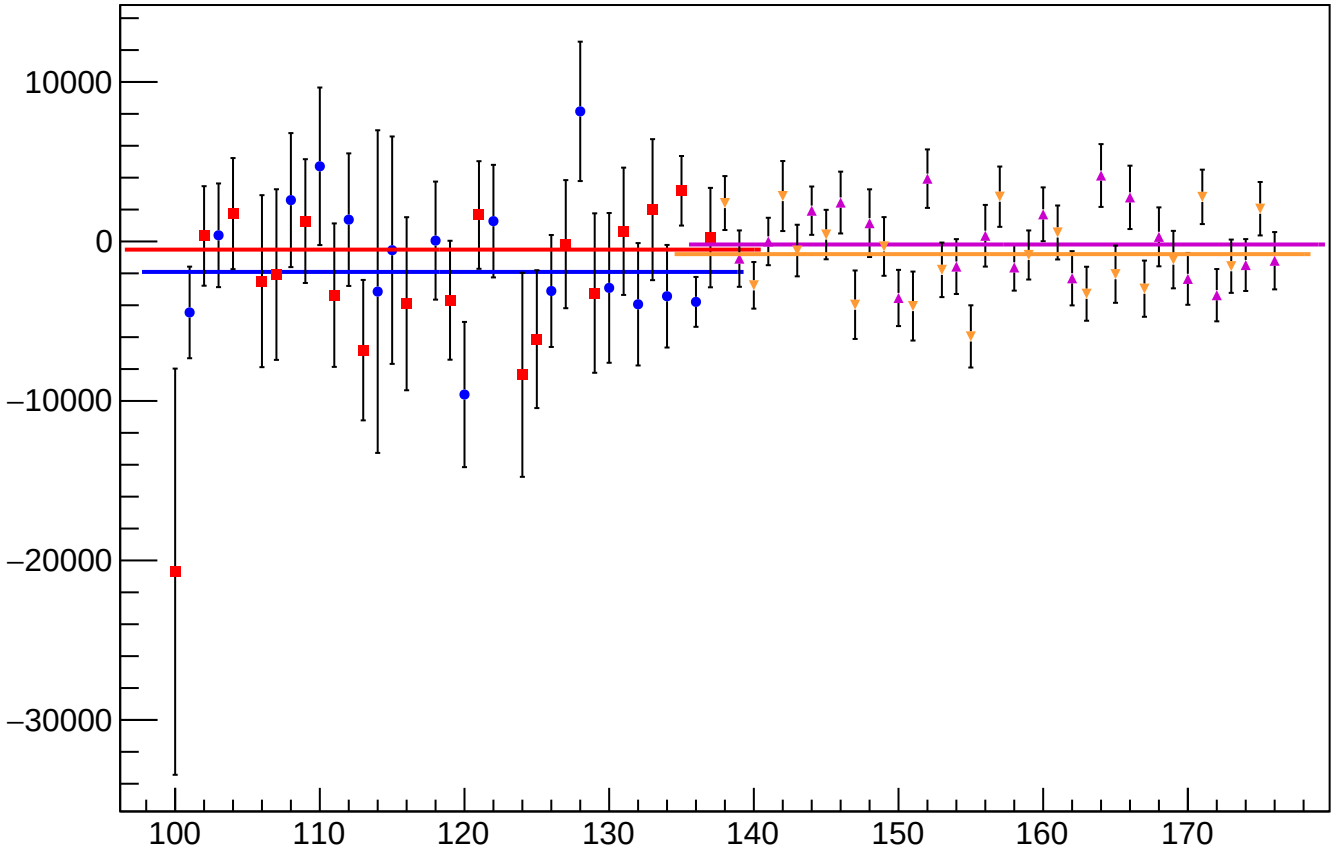
Left In: 199.857+/-0.036 χ^2/NDF:168350.6/18

+ sign 198.693+/-0.029 χ^2/NDF: 350099.0/35

All: 199.529+/-0.021 χ^2/NDF: 716200.9/73

- sign 200.385+/-0.030 χ^2/NDF: 364458.5/37

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -795.085+/-390.600 χ^2/NDF:36.6/19

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

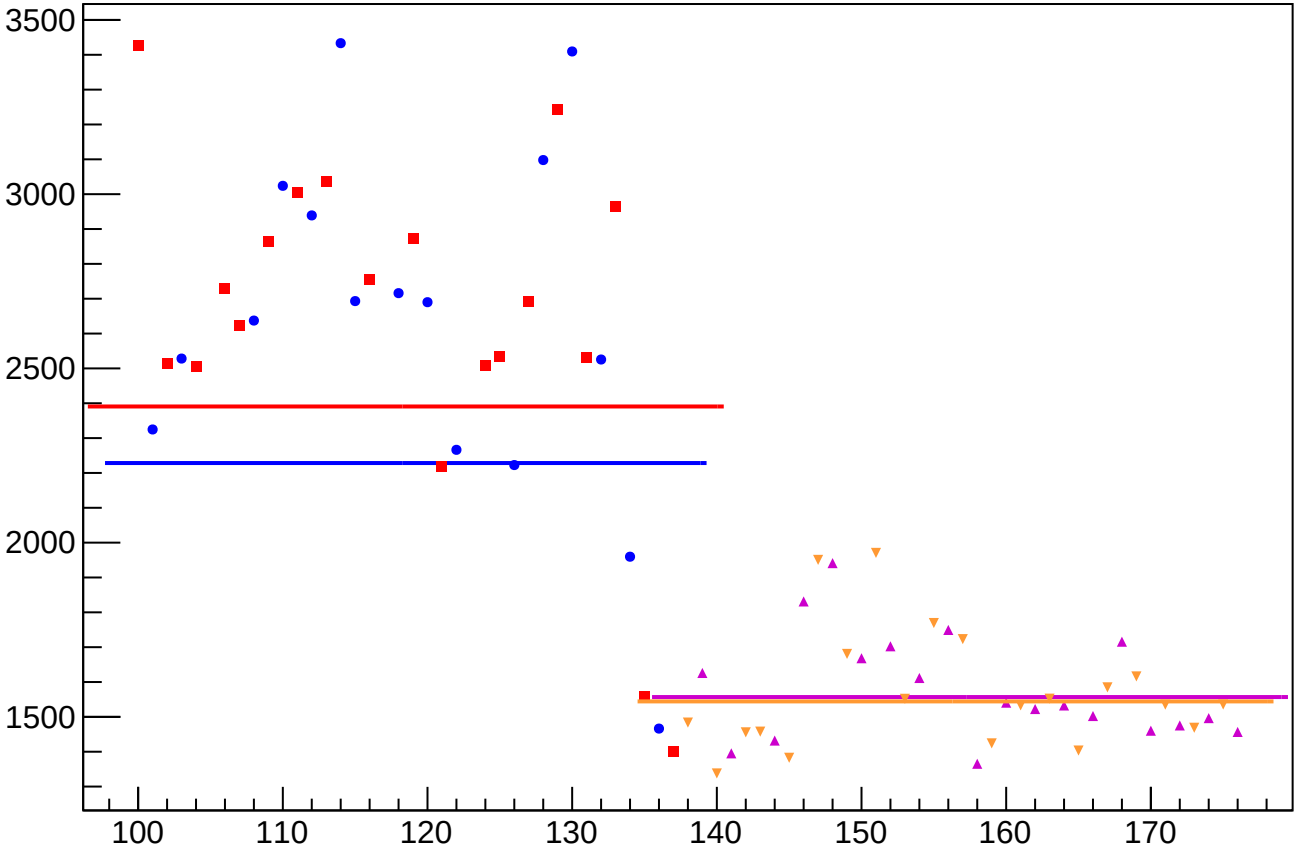
Left In: -189.682+/-397.392 χ^2/NDF:31.2/18

+ sign -986.133+/-355.573 χ^2/NDF: 54.3/35

All: -622.414+/-254.240 χ^2/NDF: 102.0/73

- sign -241.955+/-363.664 χ^2/NDF: 45.6/37

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.378+/-0.276 χ^2/NDF:311350.2/19

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

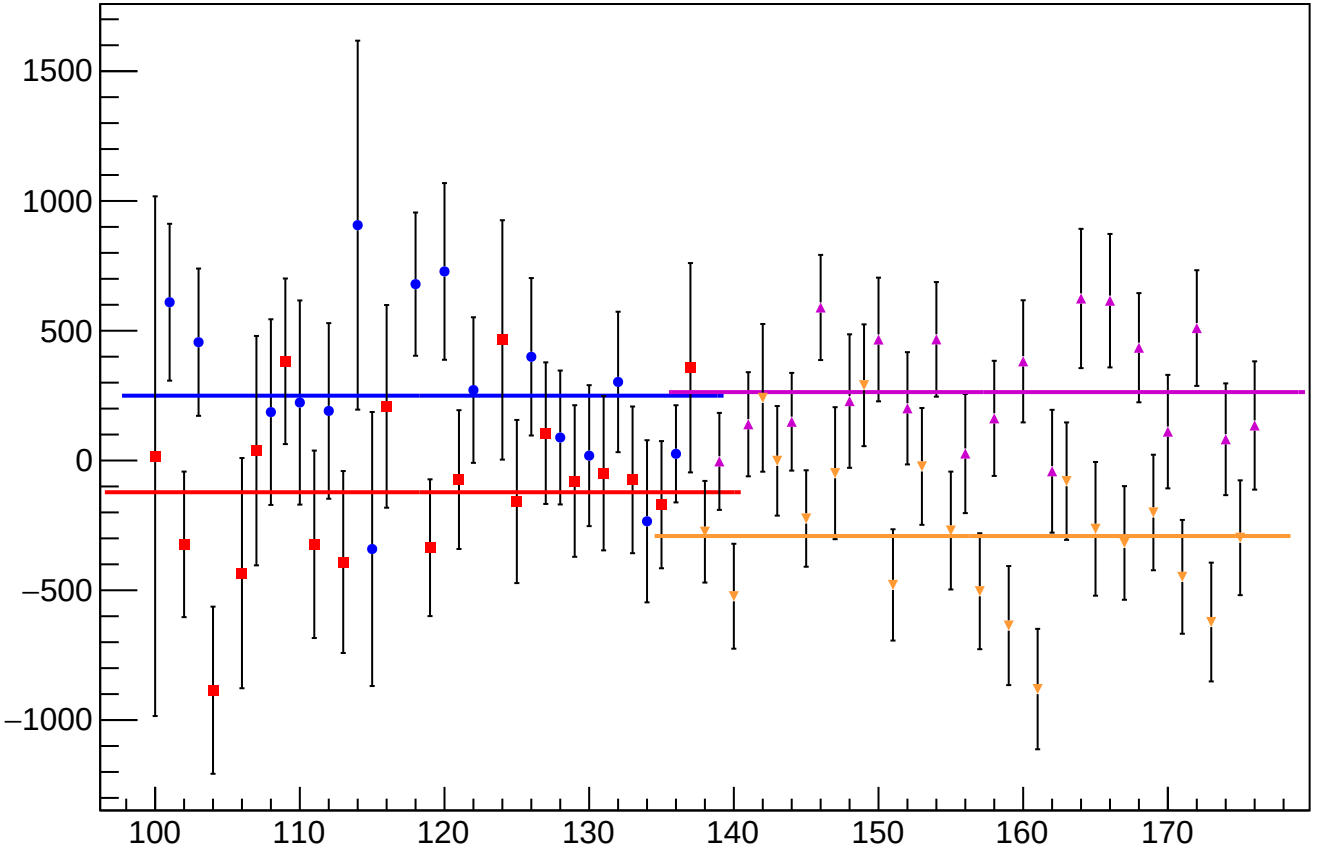
Left In: 1556.885+/-0.281 χ^2/NDF:261565.2/18

+ sign 1661.563+/-0.251 χ^2/NDF: 2309835.2/35

All: 1676.646+/-0.180 χ^2/NDF: 4800085.8/73

- sign 1692.422+/-0.257 χ^2/NDF: 2482887.9/37

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.007+/-49.852 χ^2/NDF:29.4/19

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

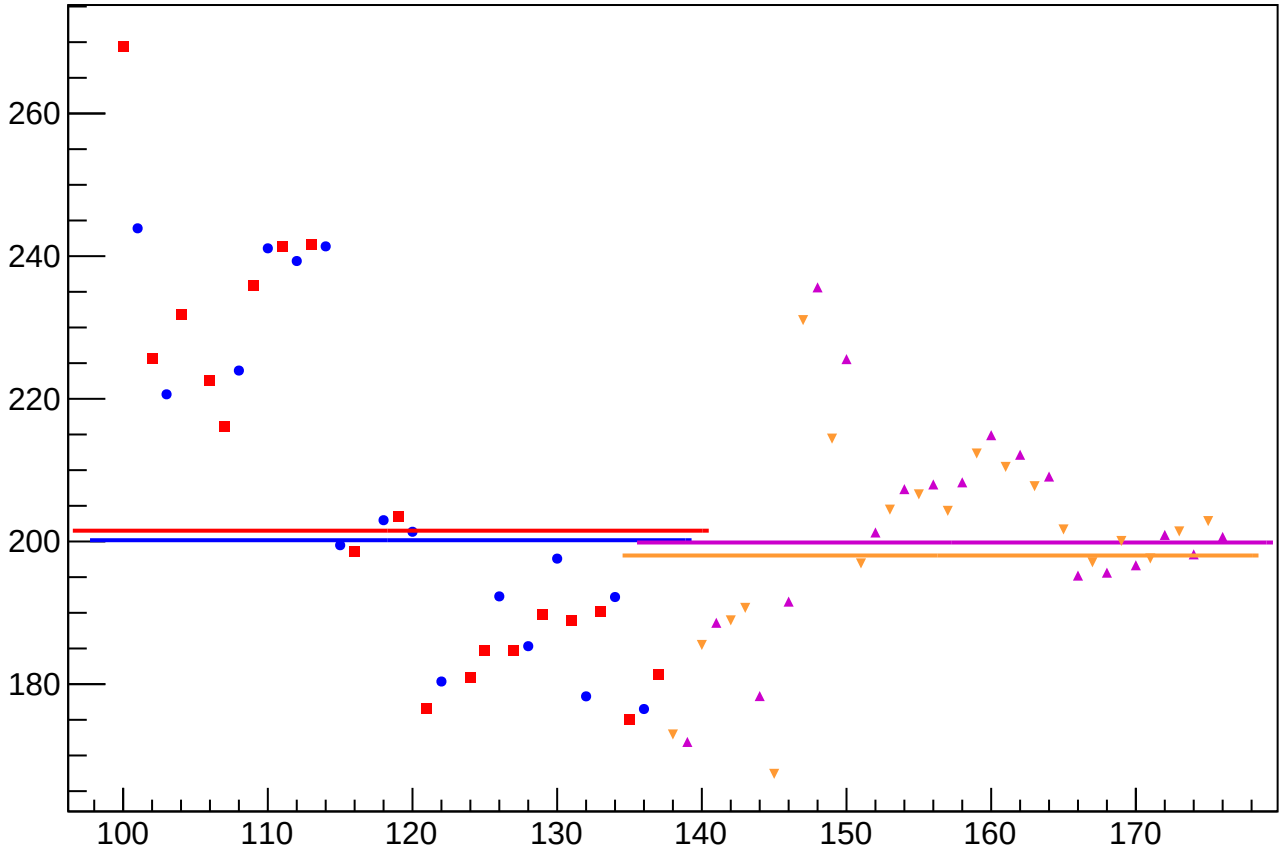
Left In: 263.540+/-50.863 χ^2/NDF:17.3/18

+ sign -124.924+/-41.496 χ^2/NDF: 79.3/35

All: 6.298+/-29.514 χ^2/NDF: 150.6/73

- sign 140.631+/-41.985 χ^2/NDF: 51.1/37

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.035+/-0.035 χ^2/NDF:167963.5/19

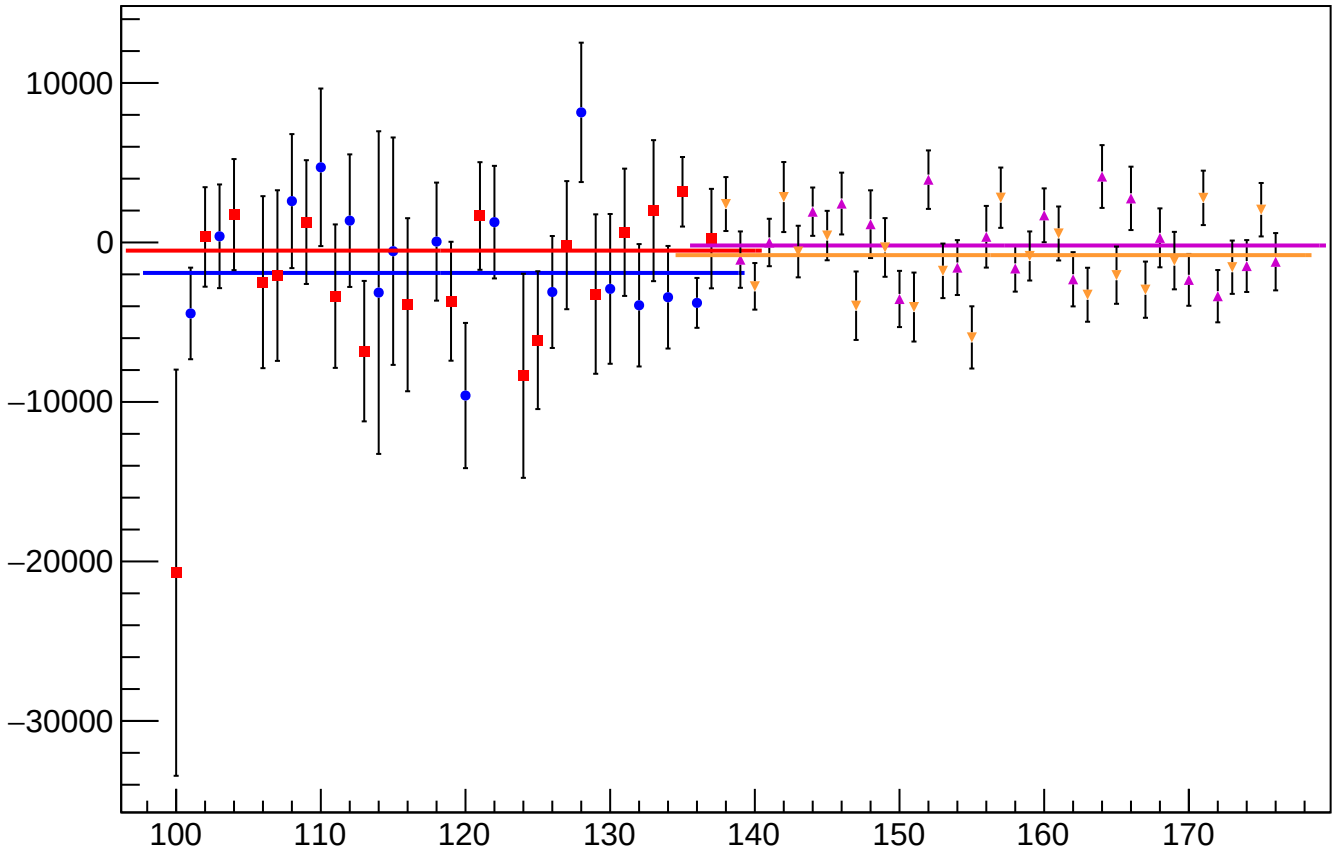
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.857+/-0.036 χ^2/NDF:168350.6/18

+ sign 198.693+/-0.029 χ^2/NDF: 350099.0/35

All: 199.529+/-0.021 χ^2/NDF: 716200.9/73

- sign 200.385+/-0.030 χ^2/NDF: 364458.5/37



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -795.085+/-390.600 χ^2/NDF:36.6/19

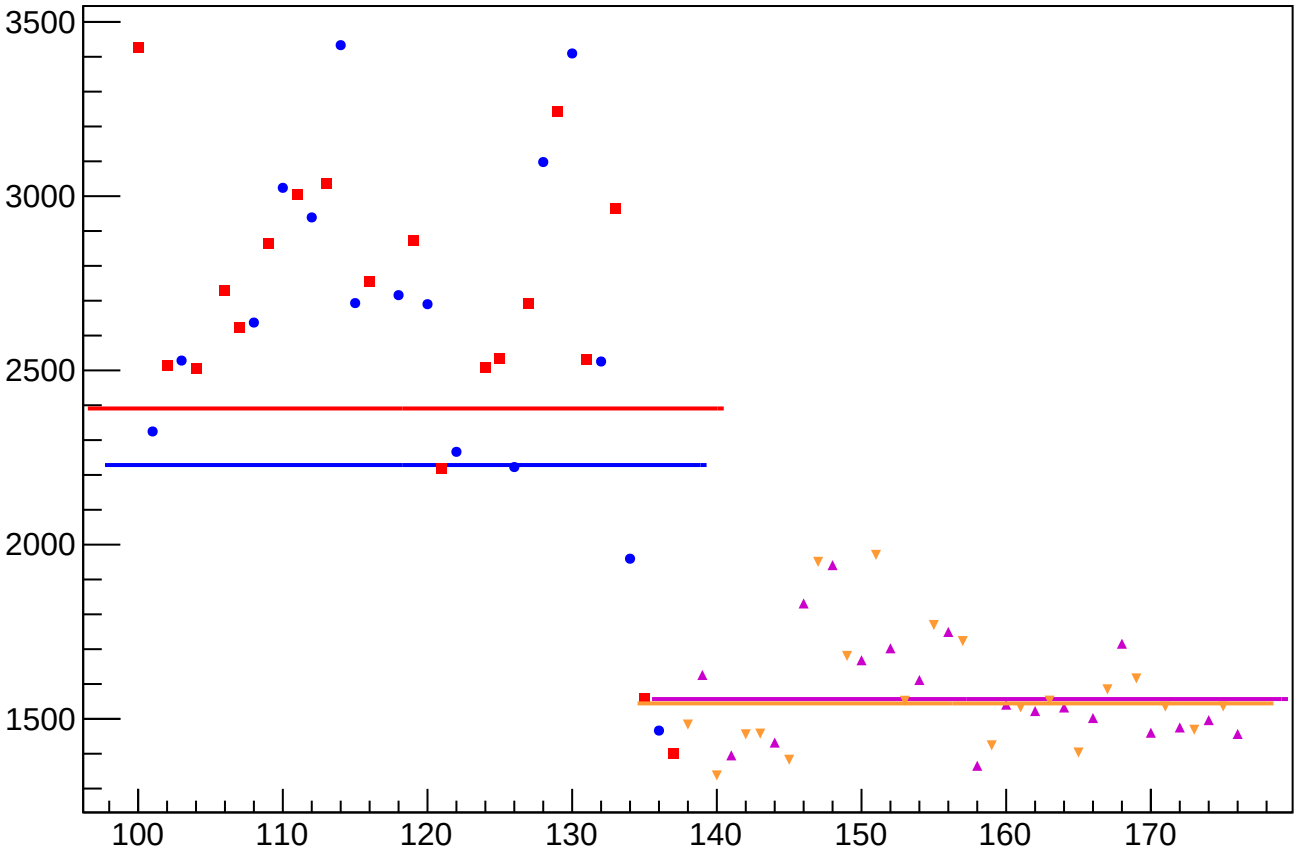
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -189.682+/-397.392 χ^2/NDF:31.2/18

+ sign -986.133+/-355.573 χ^2/NDF: 54.3/35

All: -622.414+/-254.240 χ^2/NDF: 102.0/73

- sign -241.955+/-363.664 χ^2/NDF: 45.6/37



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.378+/-0.276 χ^2/NDF:311350.2/19

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

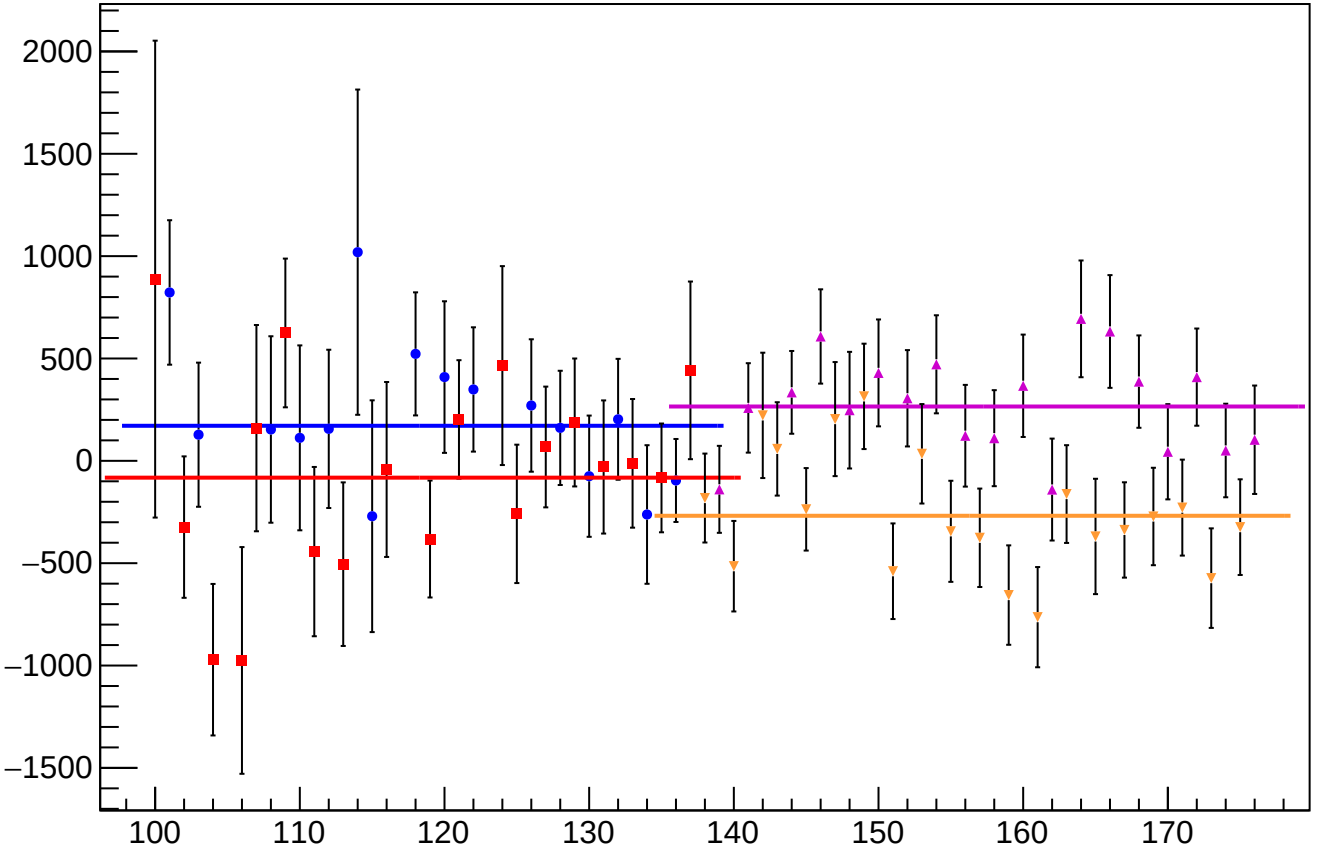
Left In: 1556.885+/-0.281 χ^2/NDF:261565.2/18

\+ sign 1661.563+/-0.251 χ^2/NDF: 2309835.2/35

All: 1676.646+/-0.180 χ^2/NDF: 4800085.8/73

\- sign 1692.422+/-0.257 χ^2/NDF: 2482887.9/37

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -268.370+/-53.728 χ^2/NDF:25.9/19

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

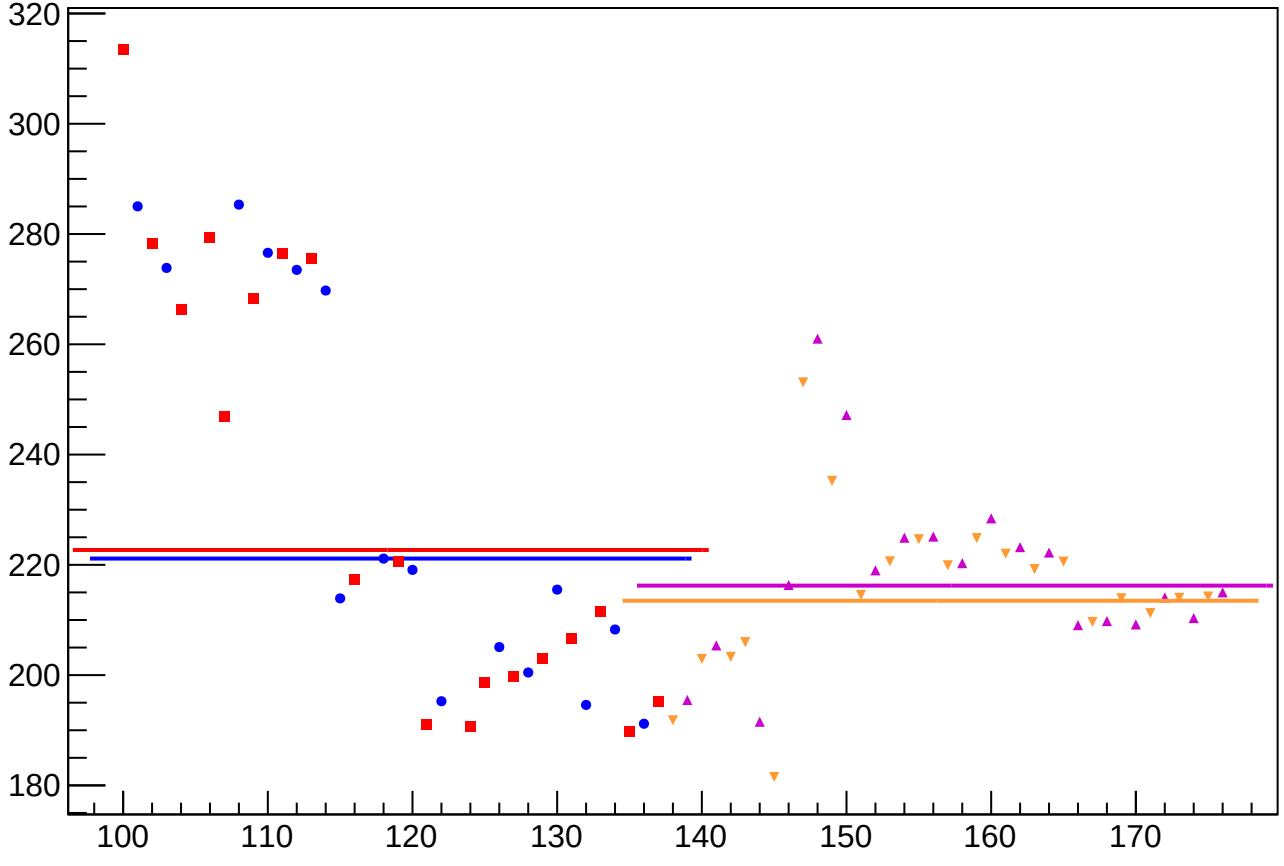
Left In: 265.440+/-55.035 χ^2/NDF:17.6/18

+ sign -138.804+/-45.122 χ^2/NDF: 57.2/35

All: 7.647+/-32.140 χ^2/NDF: 130.0/73

- sign 158.475+/-45.791 χ^2/NDF: 51.4/37

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.490+/-0.038 χ^2/NDF:151153.0/19

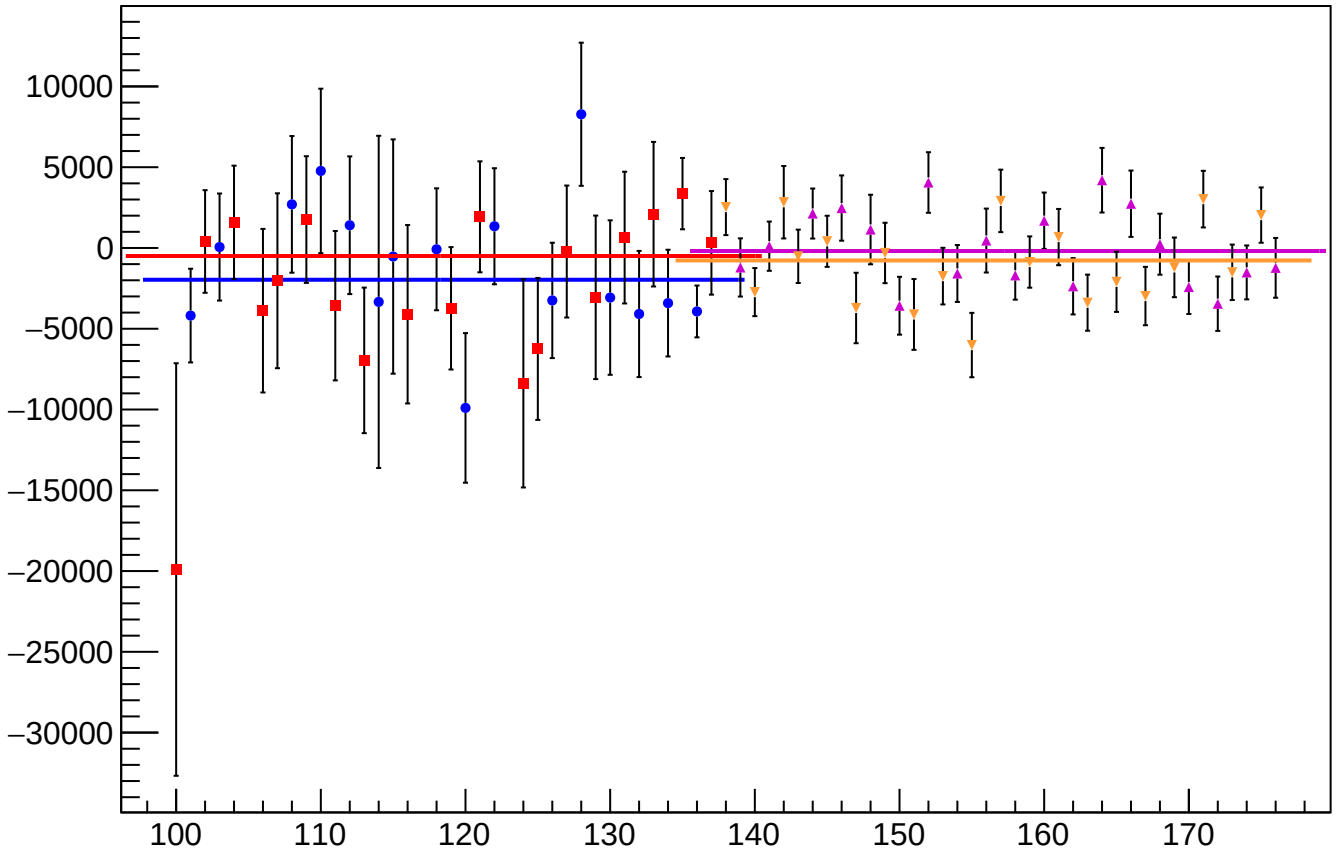
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.233+/-0.039 χ^2/NDF:150970.1/18

+ sign 215.744+/-0.032 χ^2/NDF: 481800.8/35

All: 216.965+/-0.023 χ^2/NDF: 971266.2/73

- sign 218.222+/-0.032 χ^2/NDF: 486495.0/37



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -771.962+/-400.042 χ^2/NDF:36.2/19

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

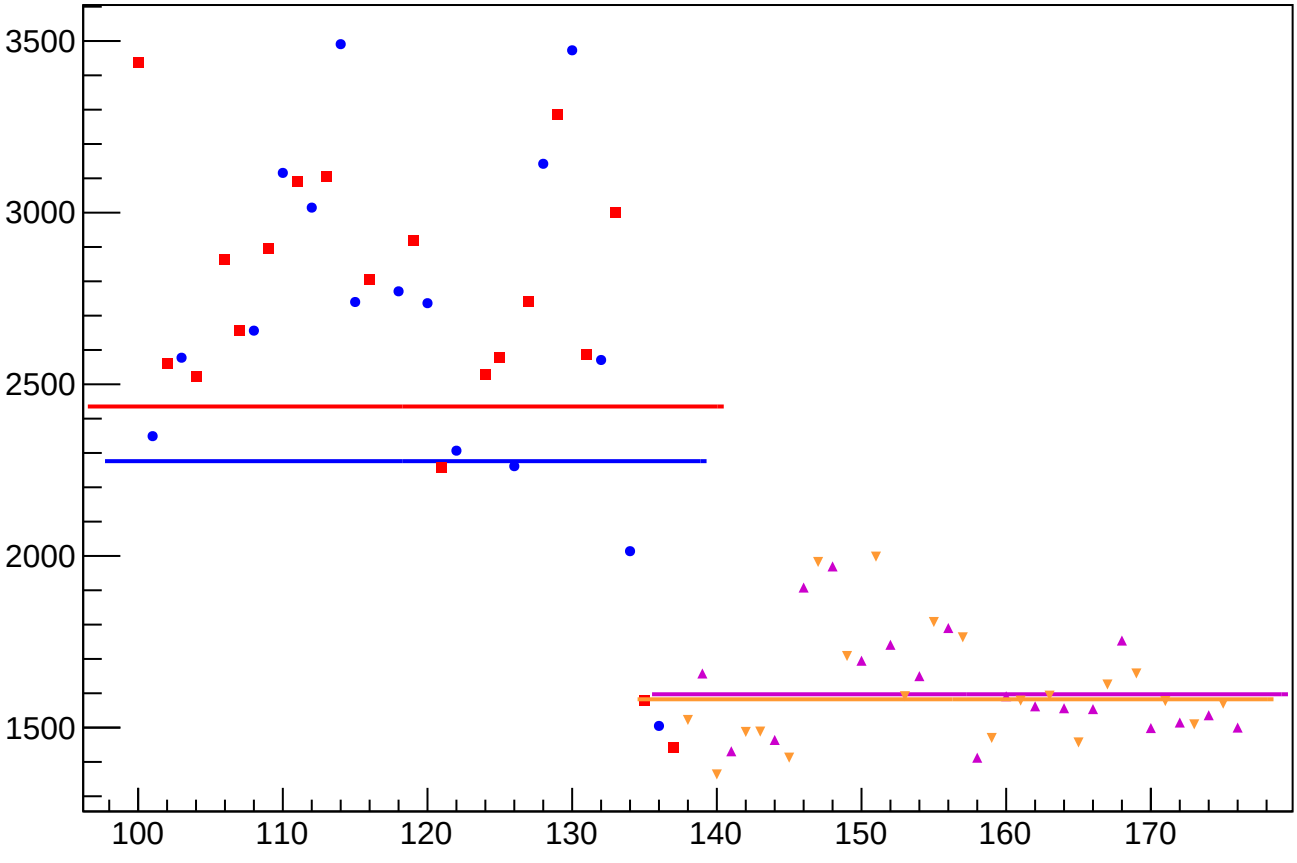
Left In: -188.739+/-407.542 χ^2/NDF:31.3/18

\+ sign -978.011+/-363.937 χ^2/NDF: 53.8/35

All: -617.278+/-260.238 χ^2/NDF: 102.0/73

\- sign -239.838+/-372.268 χ^2/NDF: 46.1/37

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1582.429+/-0.283 χ^2/NDF:297516.2/19

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

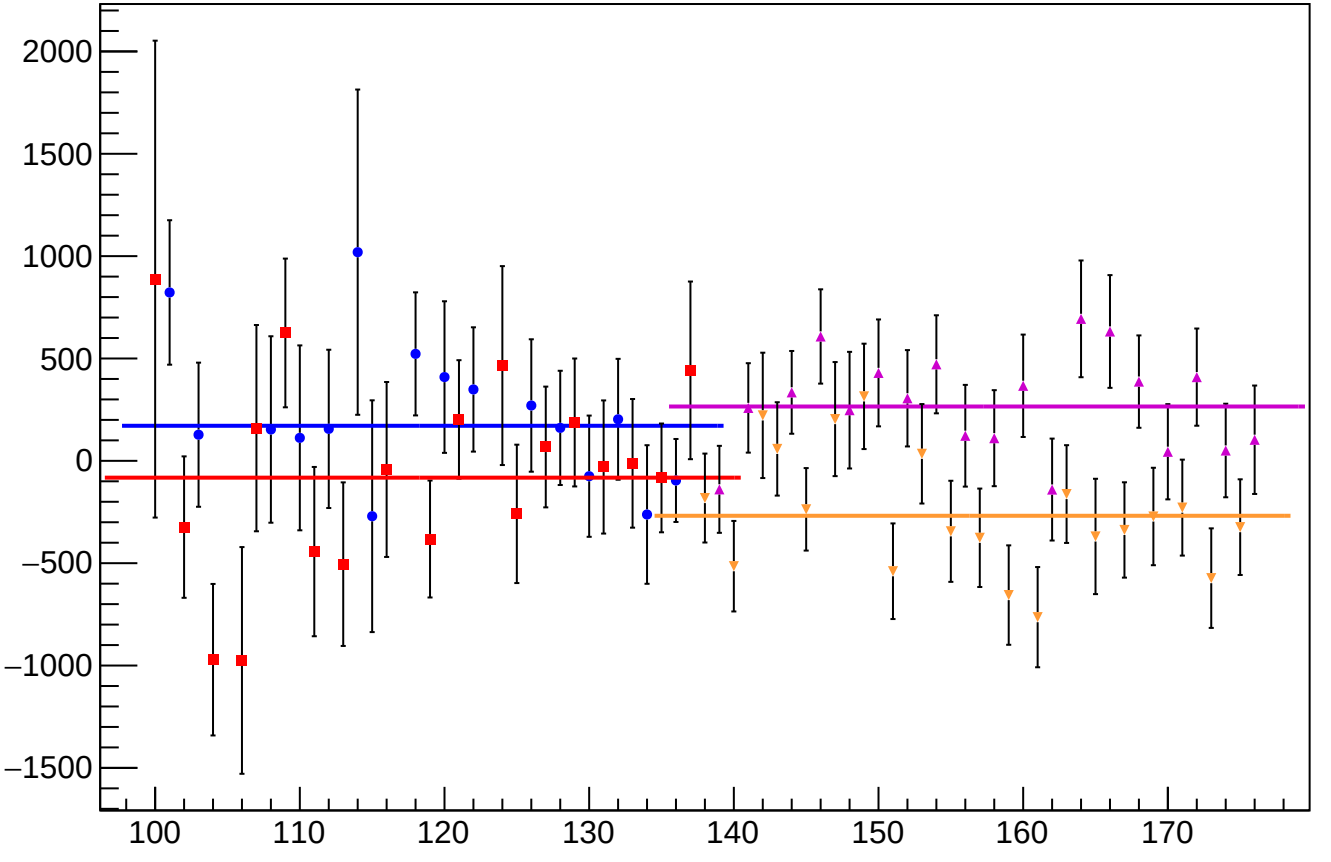
Left In: 1597.092+/-0.288 χ^2/NDF:252941.8/18

+ sign 1701.997+/-0.257 χ^2/NDF: 2261093.1/35

All: 1718.575+/-0.184 χ^2/NDF: 4715382.3/73

- sign 1735.920+/-0.263 χ^2/NDF: 2445797.0/37

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -268.372+/-53.728 χ^2/NDF:25.9/19

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

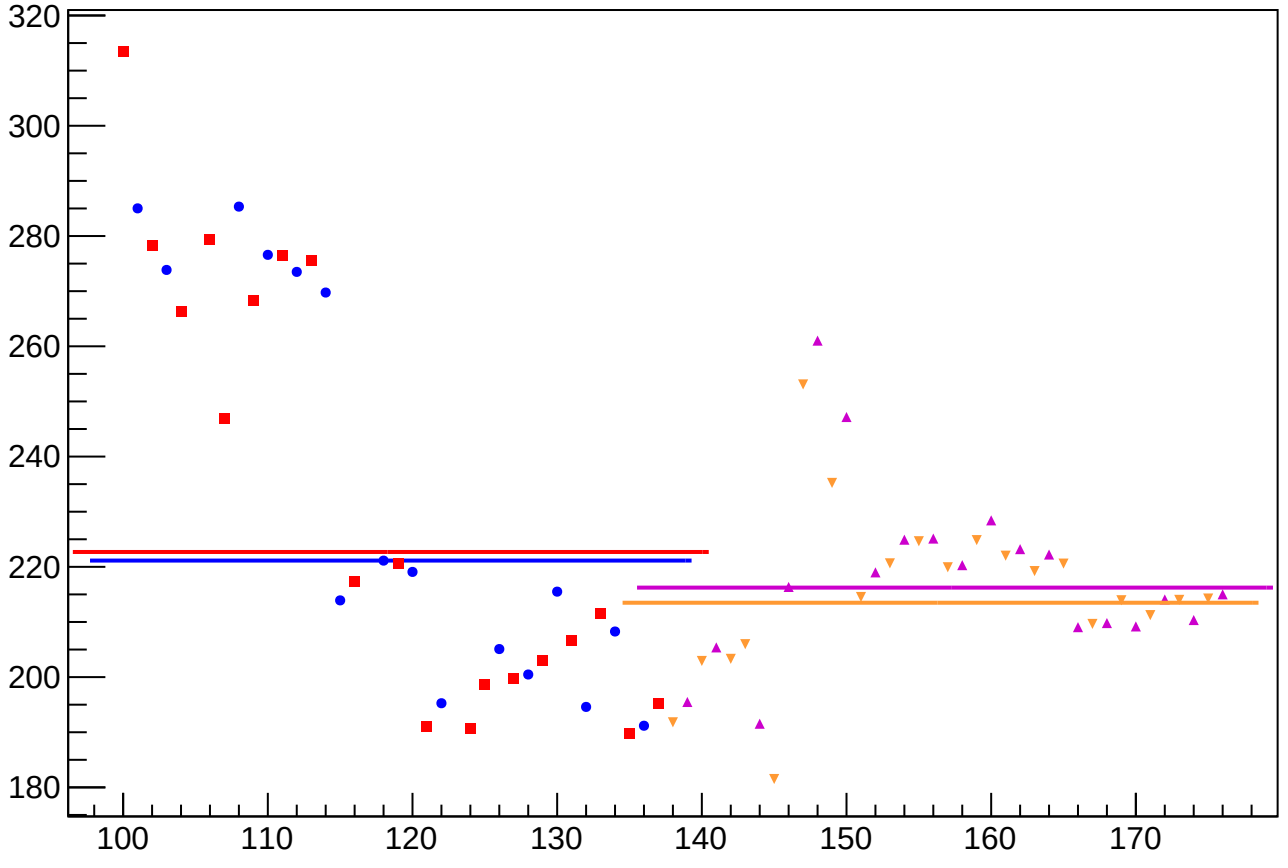
Left In: 265.441+/-55.035 χ^2/NDF:17.6/18

+ sign -138.804+/-45.122 χ^2/NDF: 57.2/35

All: 7.648+/-32.140 χ^2/NDF: 130.0/73

- sign 158.476+/-45.791 χ^2/NDF: 51.4/37

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.490+/-0.038 χ^2/NDF:151157.1/19

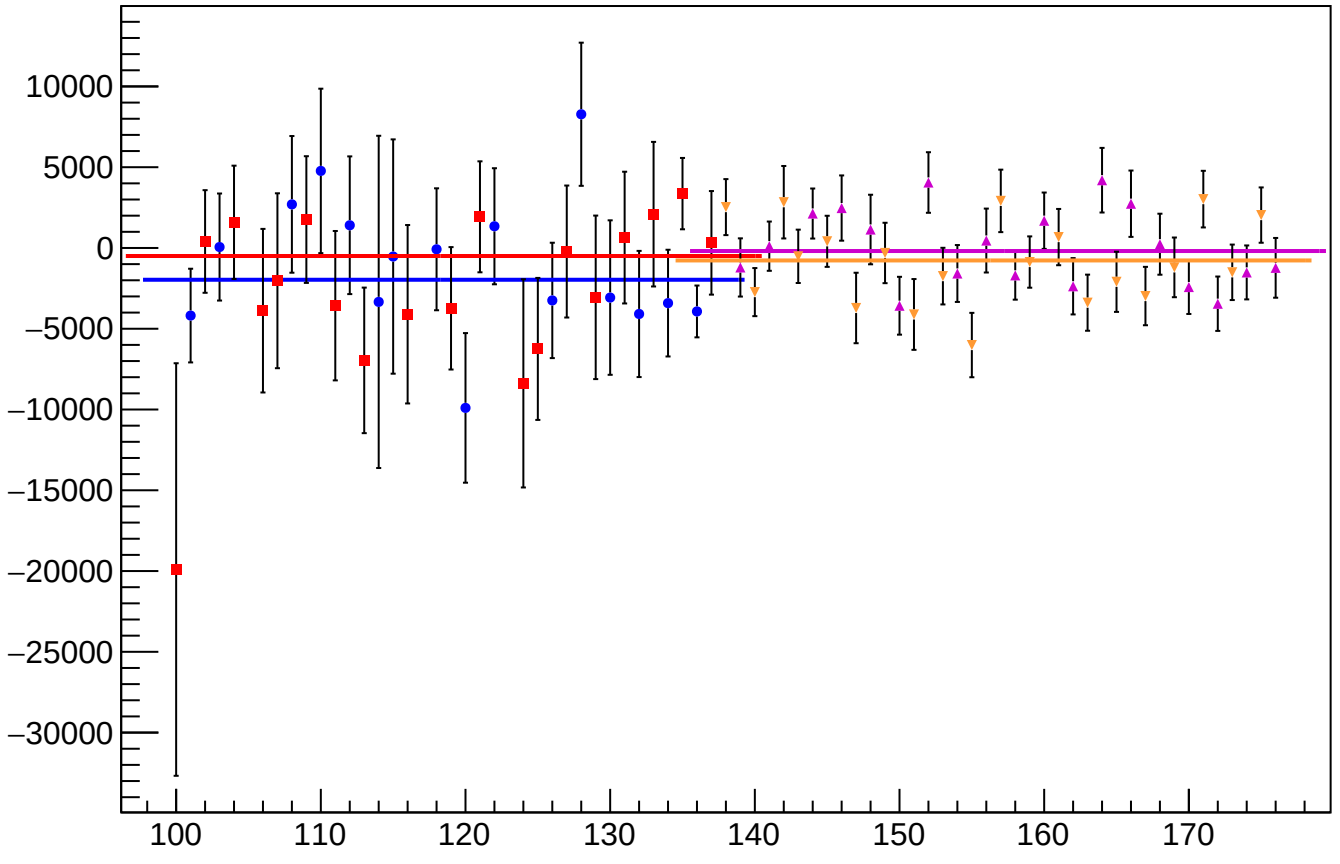
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.232+/-0.039 χ^2/NDF:150972.6/18

+ sign 215.744+/-0.032 χ^2/NDF: 481796.7/35

All: 216.965+/-0.023 χ^2/NDF: 971255.6/73

- sign 218.222+/-0.032 χ^2/NDF: 486488.6/37



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -771.963+/-400.042 χ^2/NDF:36.2/19

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

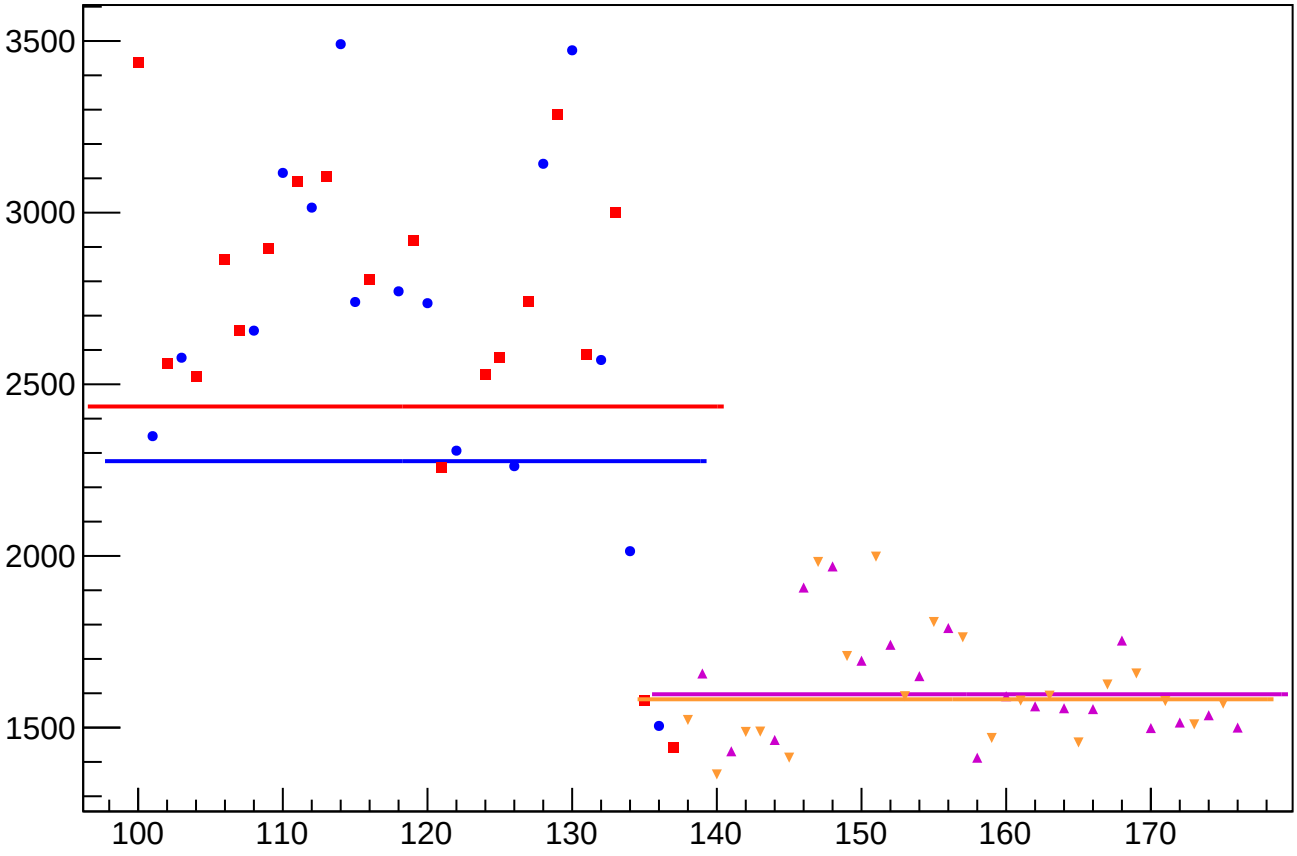
Left In: -188.739+/-407.542 χ^2/NDF:31.3/18

+ sign -978.012+/-363.937 χ^2/NDF: 53.8/35

All: -617.278+/-260.238 χ^2/NDF: 102.0/73

- sign -239.839+/-372.268 χ^2/NDF: 46.1/37

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1582.429+/-0.283 χ^2/NDF:297518.7/19

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

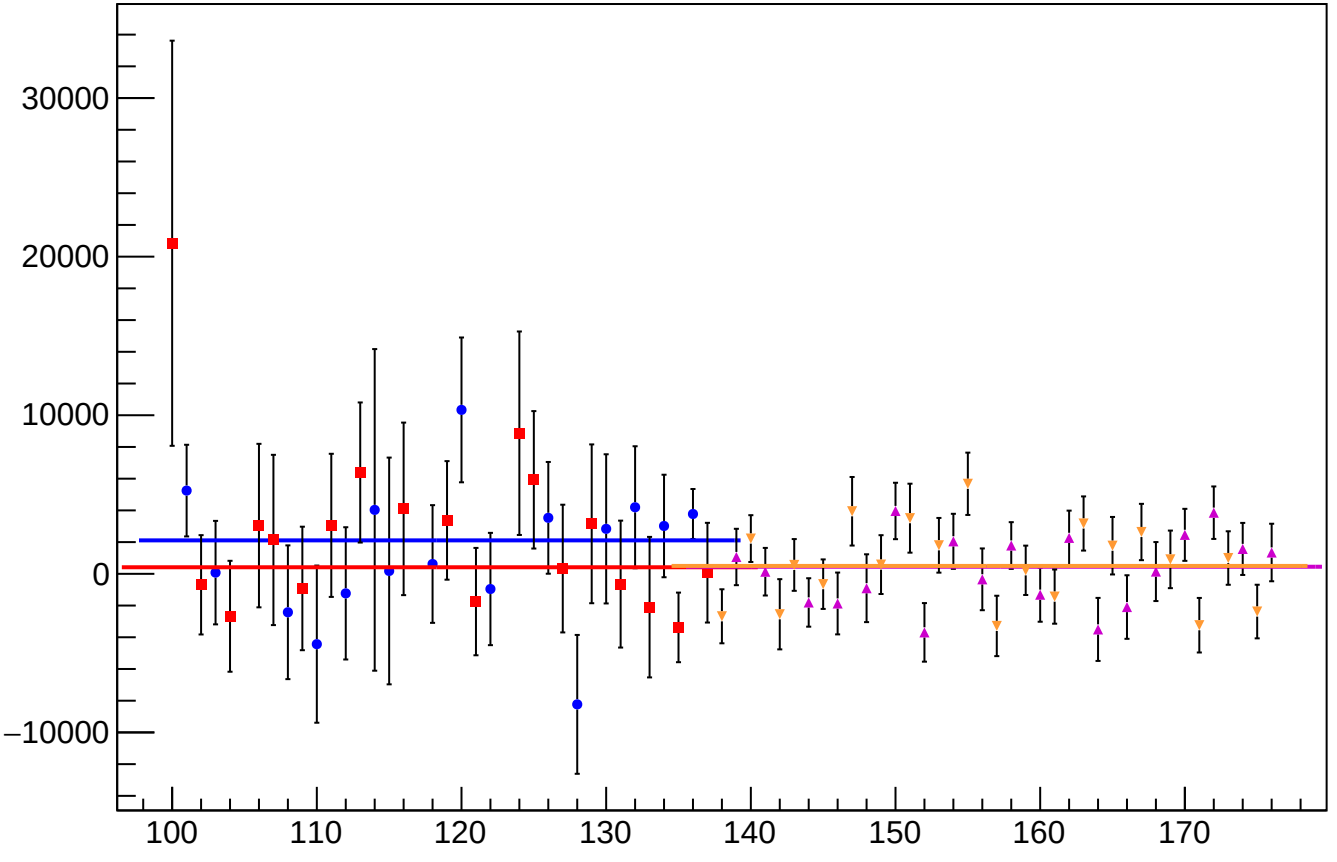
Left In: 1597.092+/-0.288 χ^2/NDF:252942.9/18

+ sign 1701.997+/-0.257 χ^2/NDF: 2261080.2/35

All: 1718.575+/-0.184 χ^2/NDF: 4715355.9/73

- sign 1735.920+/-0.263 χ^2/NDF: 2445783.6/37

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 498.065+/-393.920 χ^2/NDF:36.7/19

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

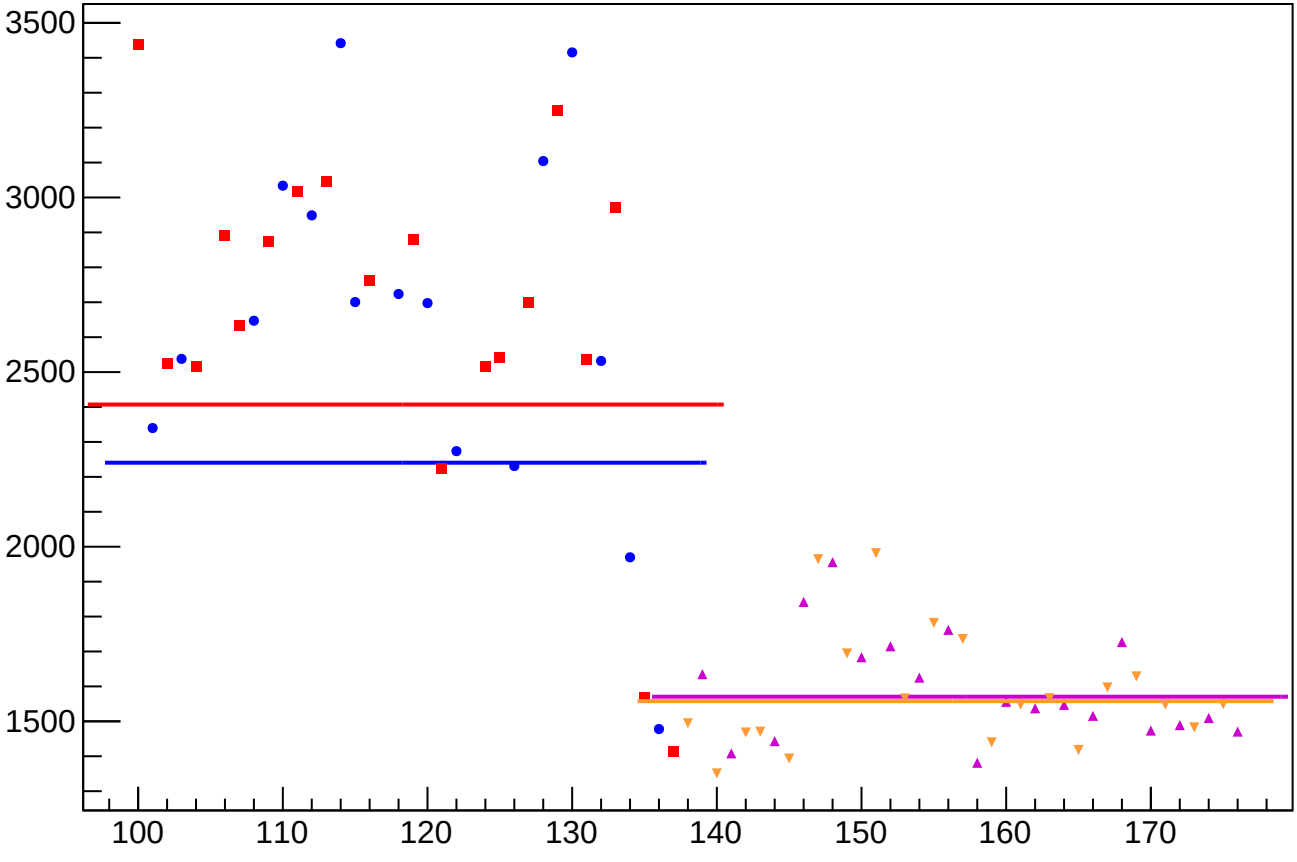
Left In: 446.772+/-400.802 χ^2/NDF:29.2/18

+ sign 775.769+/-358.374 χ^2/NDF: 56.2/35

All: 612.305+/-256.210 χ^2/NDF: 100.5/73

- sign 441.408+/-366.432 χ^2/NDF: 43.8/37

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1557.751+/-0.279 χ^2/NDF:306023.1/19

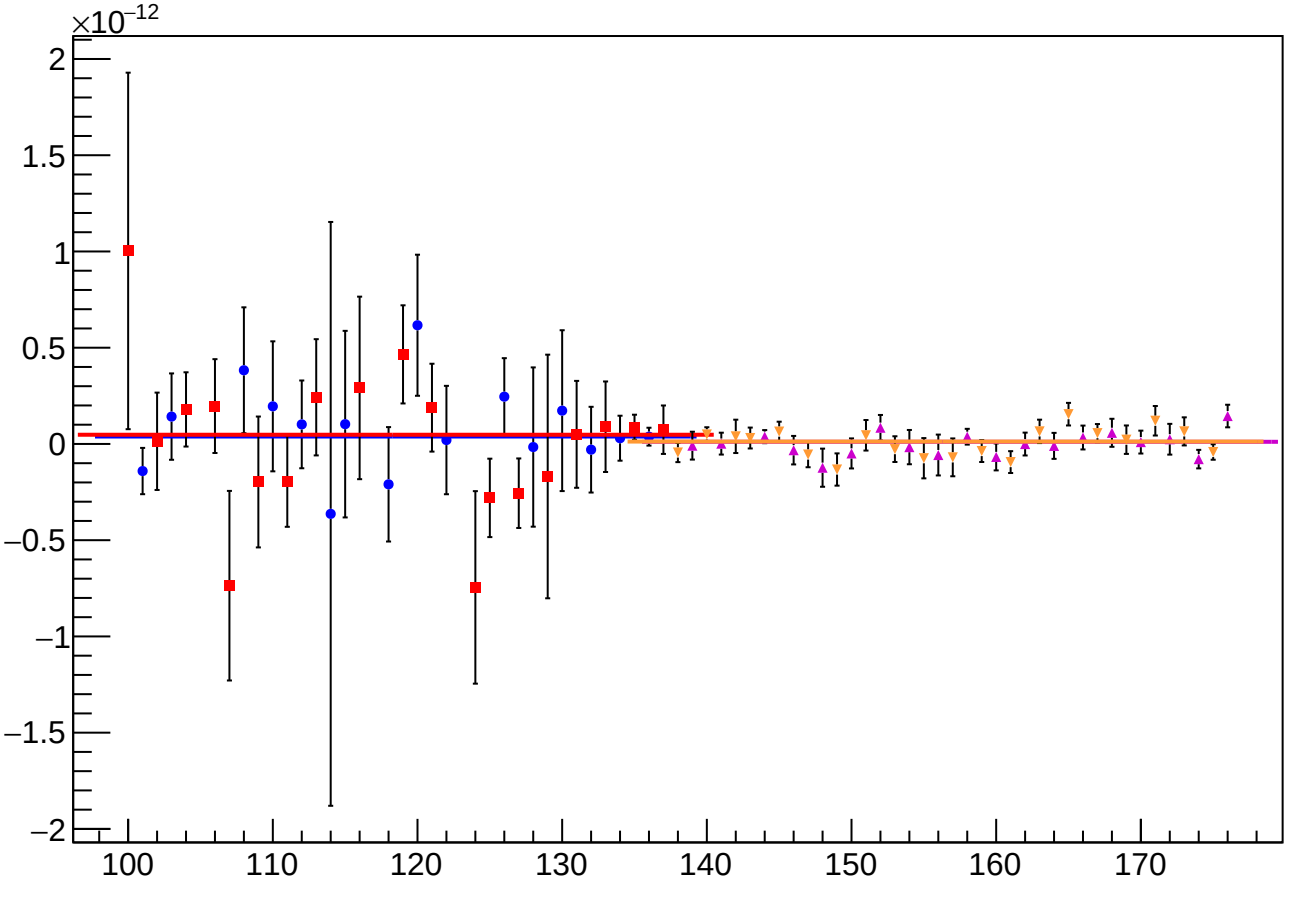
Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1570.482+/-0.283 χ^2/NDF:255698.8/18

+ sign 1675.431+/-0.253 χ^2/NDF: 2275364.5/35

All: 1691.266+/-0.181 χ^2/NDF: 4758569.2/73

- sign 1707.821+/-0.259 χ^2/NDF: 2475217.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.6/19

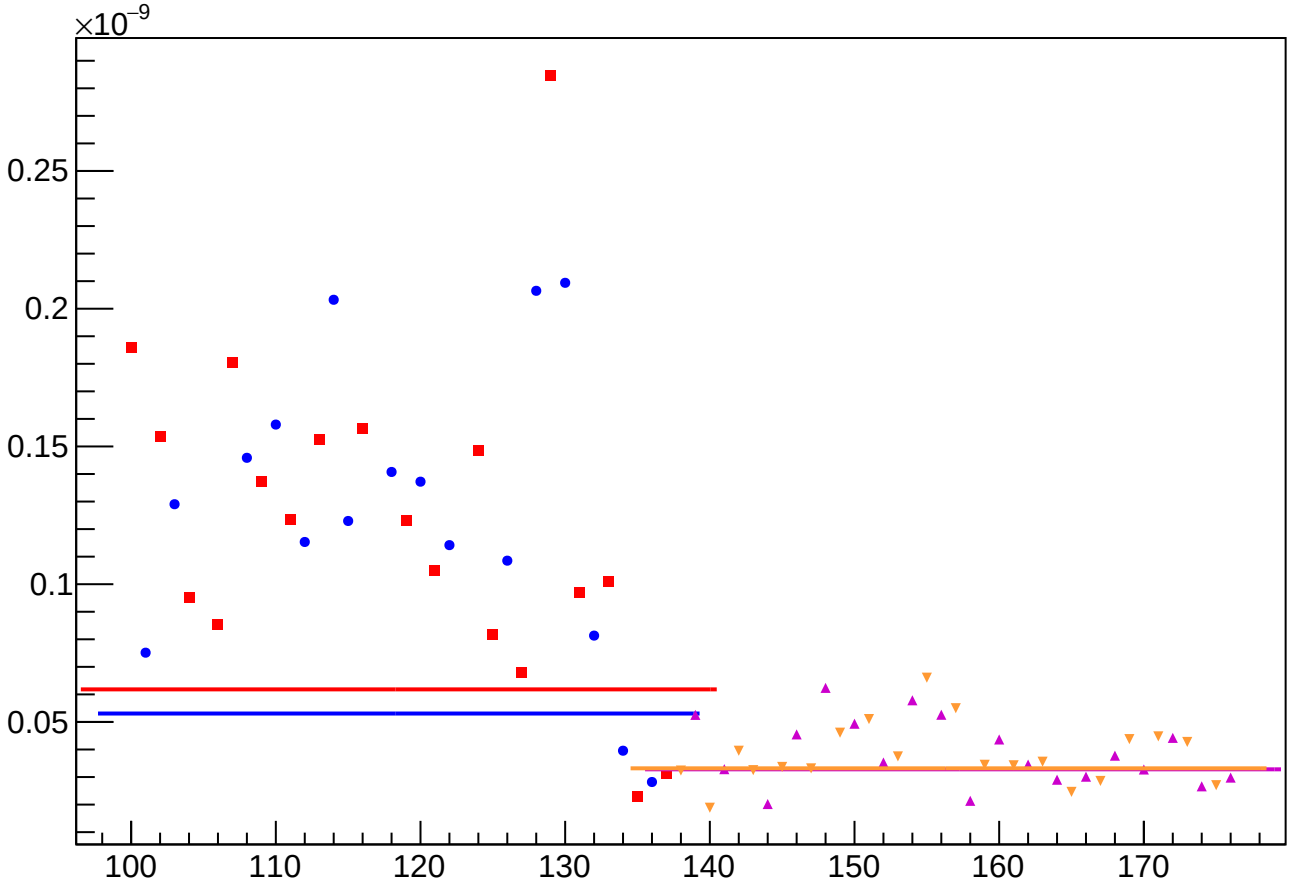
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/35

All: 0.000+/-0.000 χ^2/NDF: 69.6/73

- sign 0.000+/-0.000 χ^2/NDF: 35.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:991458.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

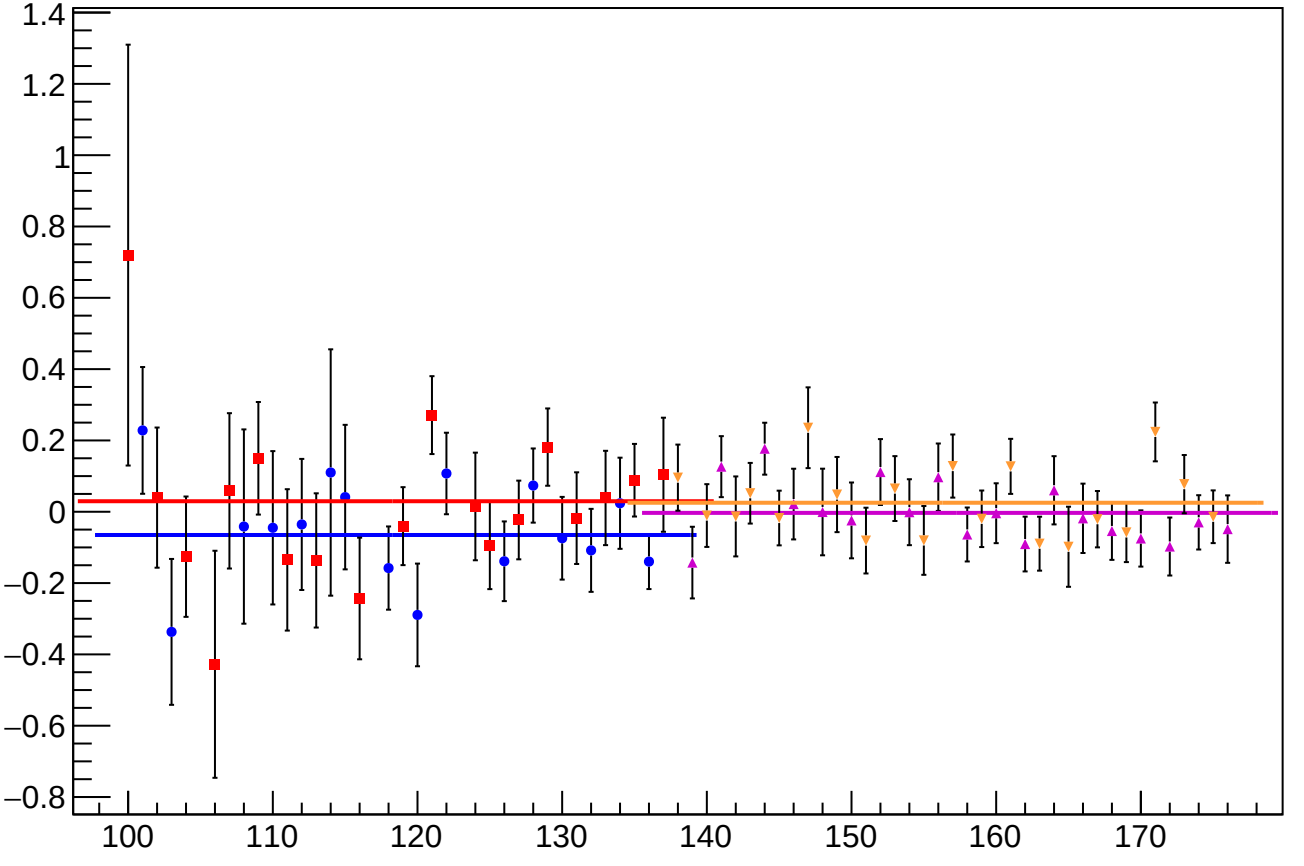
Left In: 0.000+/-0.000 χ^2/NDF:1284408.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 4096573.2/35

All: 0.000+/-0.000 χ^2/NDF: 8609980.1/73

- sign 0.000+/-0.000 χ^2/NDF: 4513405.5/37

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

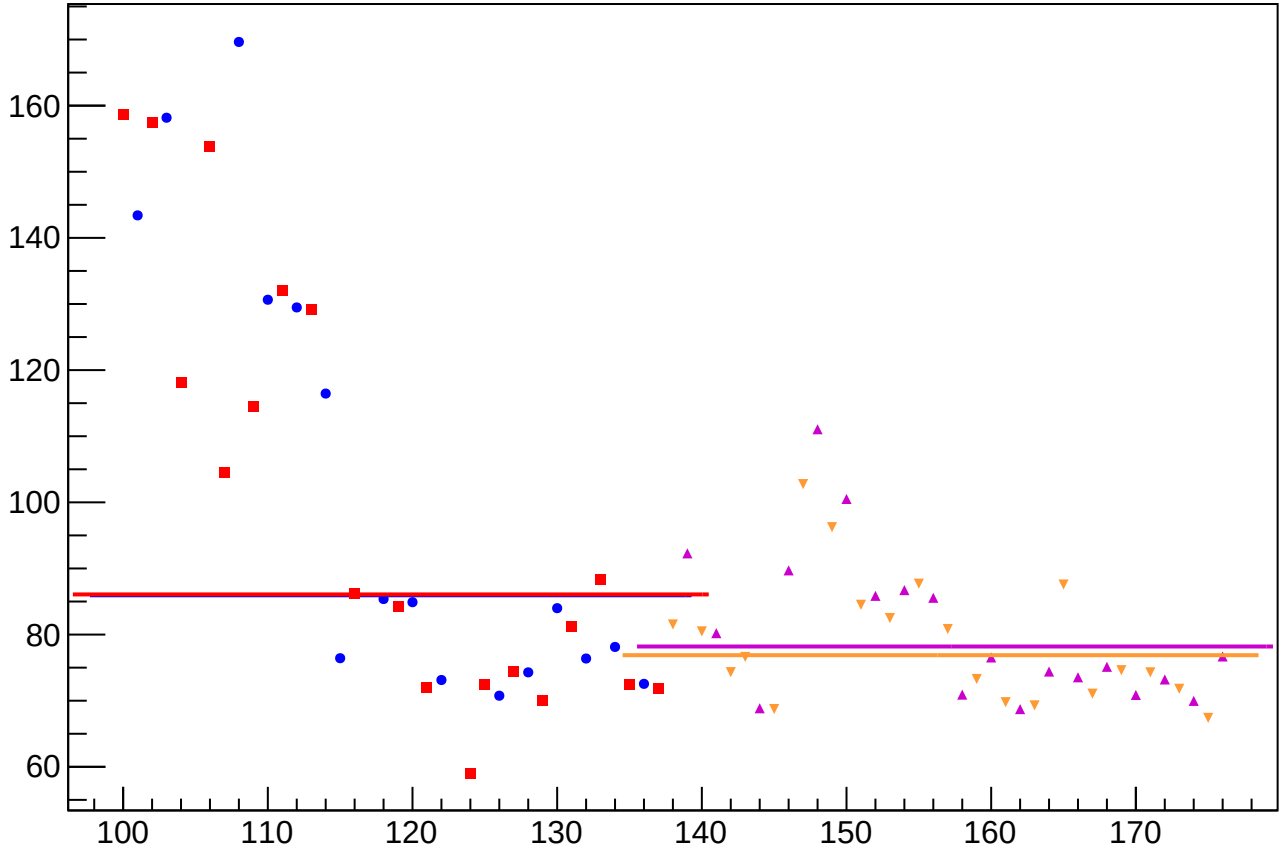
Left In: -0.003+/-0.020 χ^2/NDF:18.4/18

+ sign 0.002+/-0.017 χ^2/NDF: 41.9/35

All: 0.004+/-0.012 χ^2/NDF: 79.1/73

- sign 0.006+/-0.017 χ^2/NDF: 37.2/37

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: 76.884+/-0.014 χ^2/NDF:368536.3/19

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

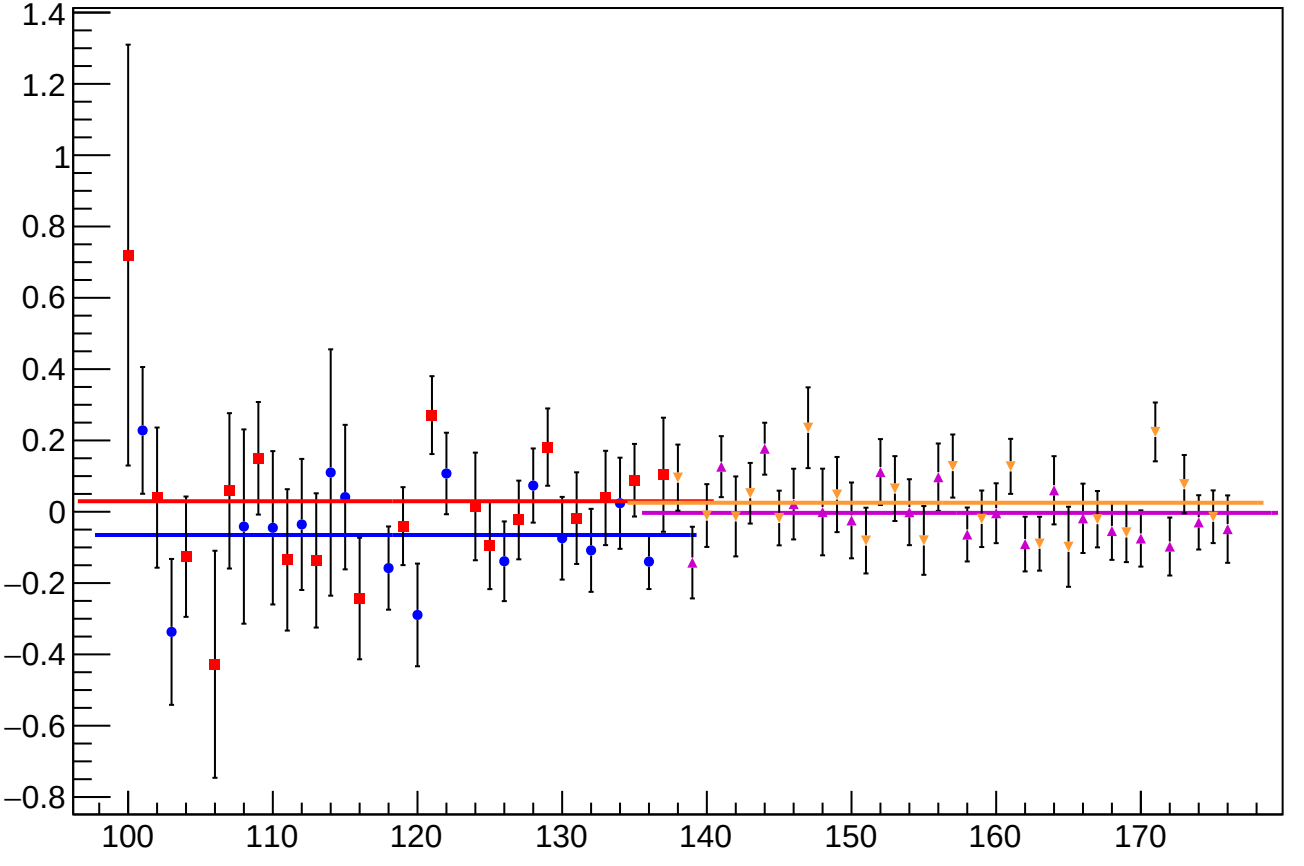
Left In: 78.198+/-0.014 χ^2/NDF:486682.0/18

+ sign 79.191+/-0.012 χ^2/NDF: 1513882.8/35

All: 79.749+/-0.008 χ^2/NDF: 3079681.6/73

- sign 80.330+/-0.012 χ^2/NDF: 1561295.2/37

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

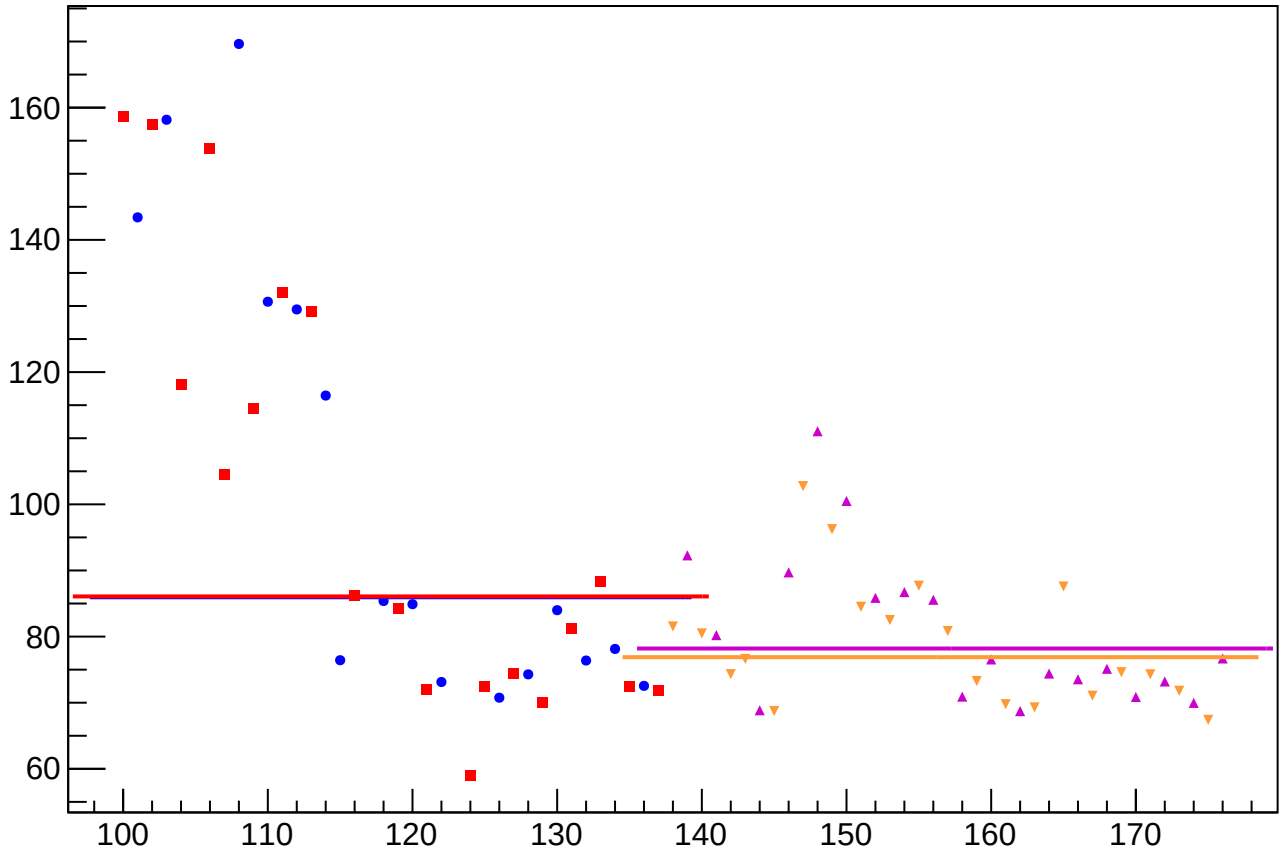
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.003+/-0.020 χ^2/NDF:18.4/18

+ sign 0.002+/-0.017 χ^2/NDF: 41.9/35

All: 0.004+/-0.012 χ^2/NDF: 79.1/73

- sign 0.006+/-0.017 χ^2/NDF: 37.2/37



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 76.884+/-0.014 χ^2/NDF:368536.3/19

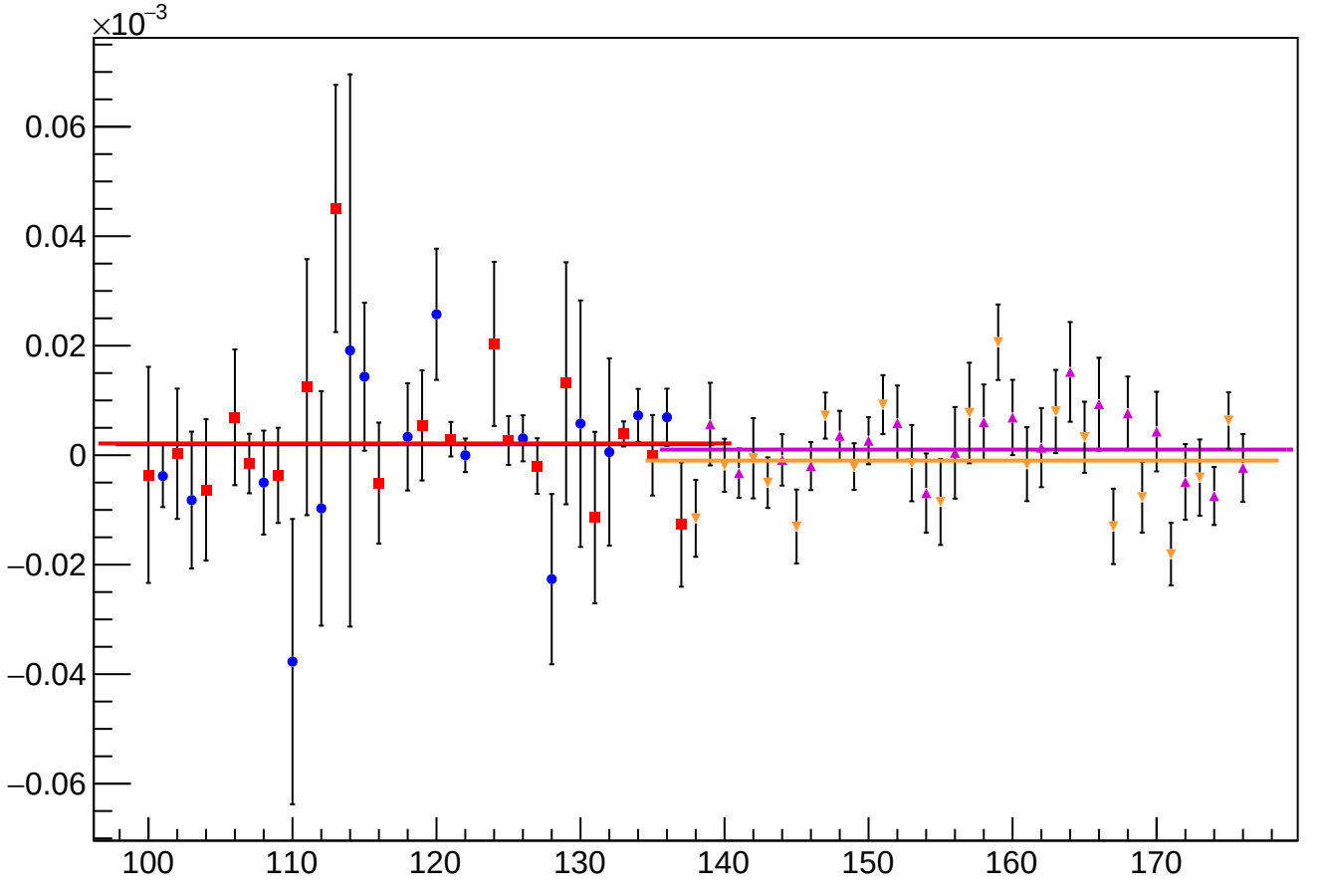
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.198+/-0.014 χ^2/NDF:486682.0/18

\+ sign 79.191+/-0.012 χ^2/NDF: 1513882.8/35

All: 79.749+/-0.008 χ^2/NDF: 3079681.6/73

\- sign 80.330+/-0.012 χ^2/NDF: 1561295.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.5/19

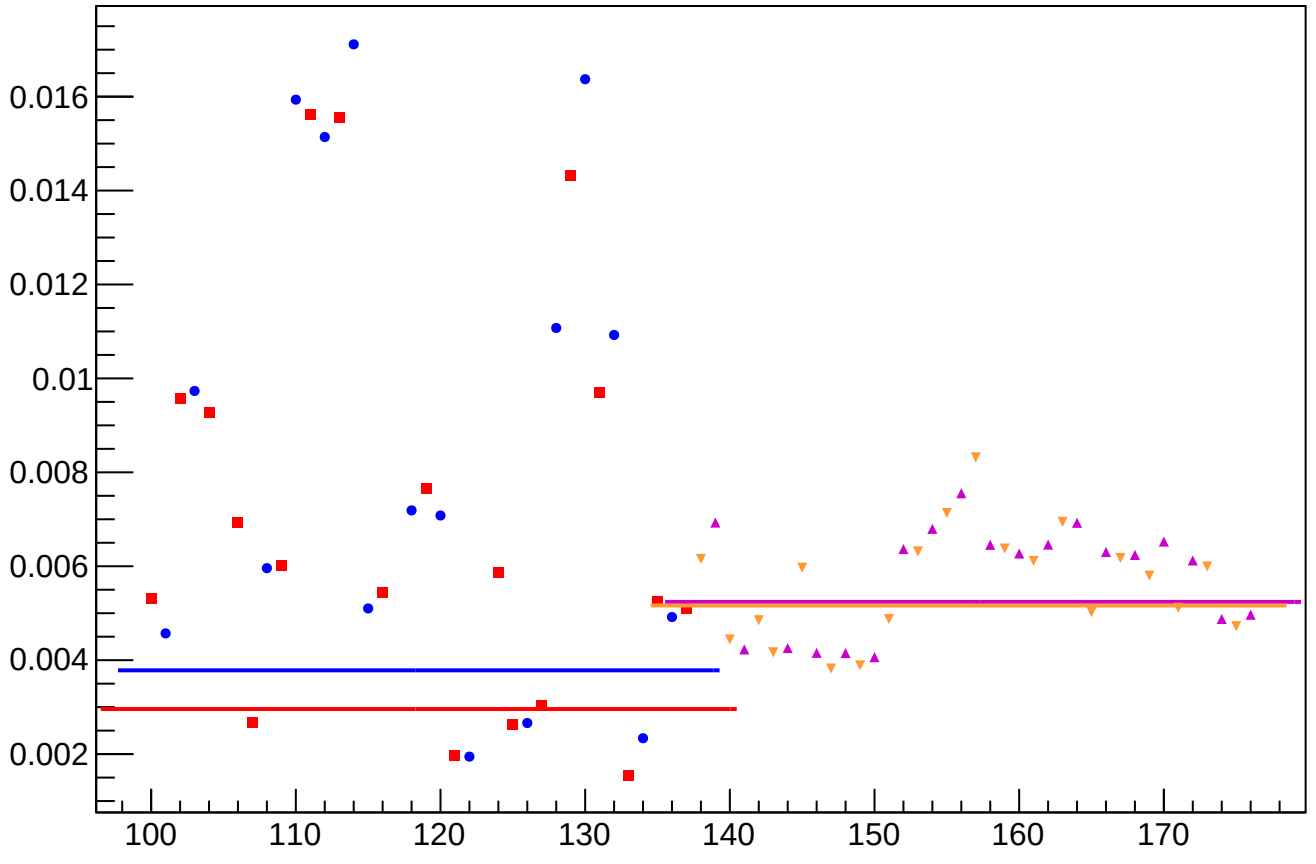
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 59.2/35

All: 0.000+/-0.000 χ^2/NDF: 85.6/73

- sign 0.000+/-0.000 χ^2/NDF: 25.3/37



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1333164.3/19

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

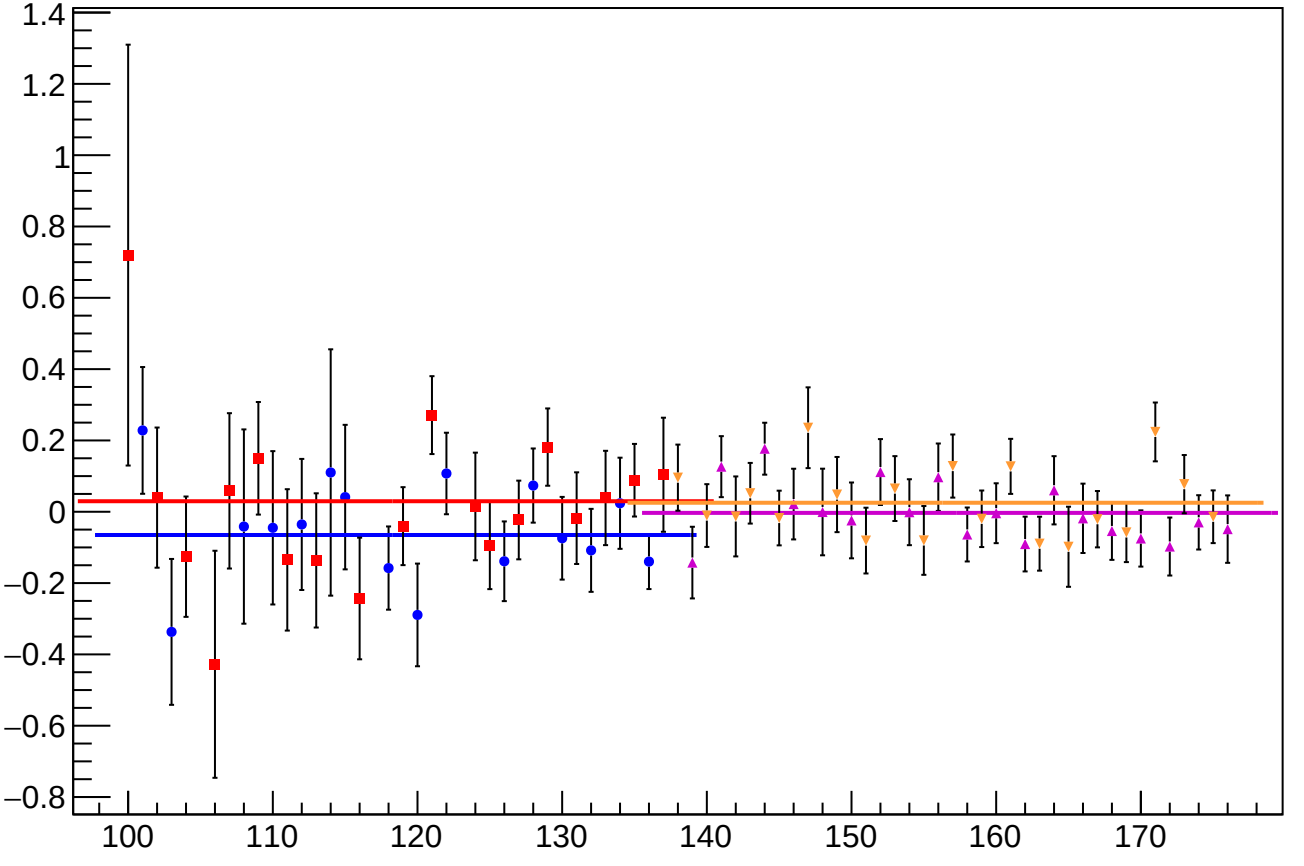
Left In: 0.005+/-0.000 χ^2/NDF:1393330.5/18

+ sign 0.005+/-0.000 χ^2/NDF: 6818444.1/35

All: 0.004+/-0.000 χ^2/NDF: 16737848.9/73

- sign 0.004+/-0.000 χ^2/NDF: 9649233.9/37

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

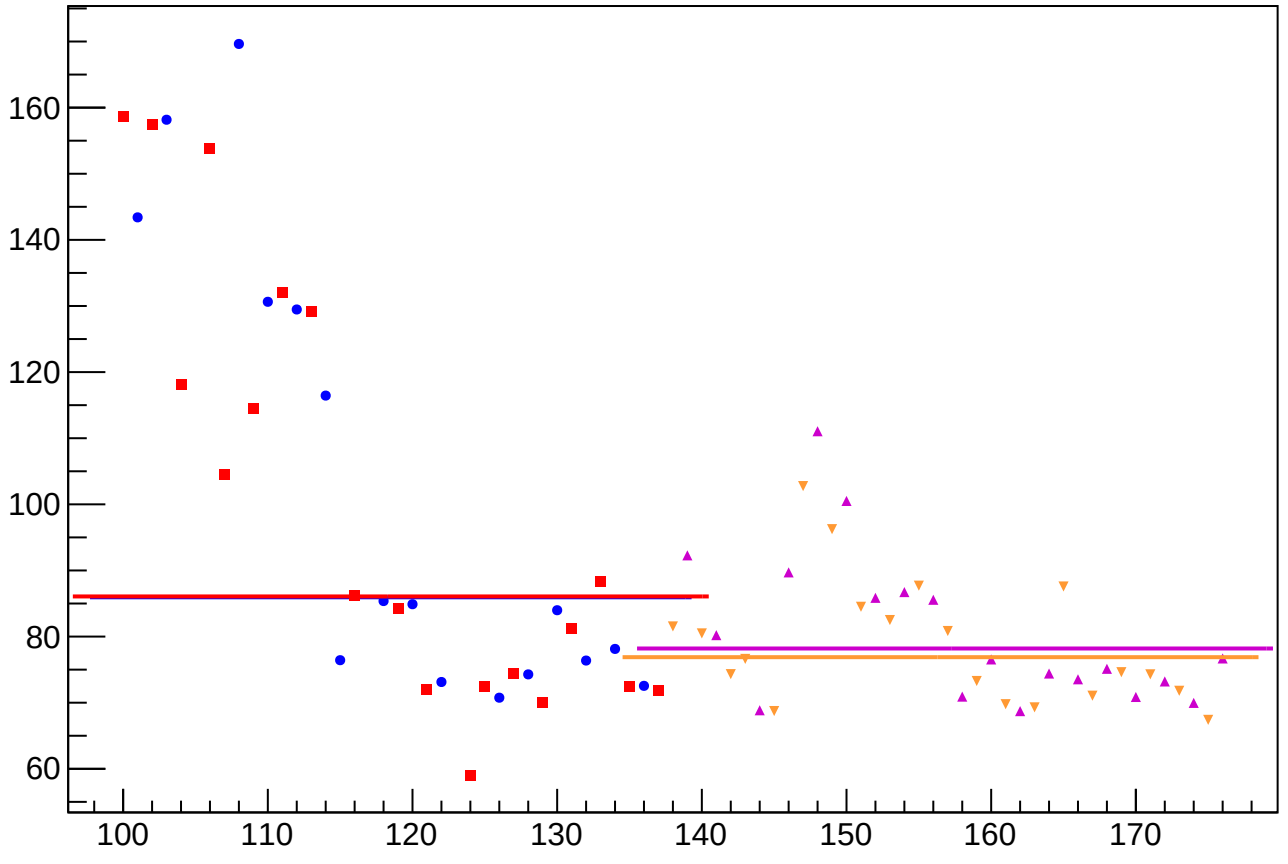
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.003+/-0.020 χ^2/NDF:18.4/18

+ sign 0.002+/-0.017 χ^2/NDF: 41.9/35

All: 0.004+/-0.012 χ^2/NDF: 79.1/73

- sign 0.006+/-0.017 χ^2/NDF: 37.2/37



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 76.884+/-0.014 χ^2/NDF:368574.9/19

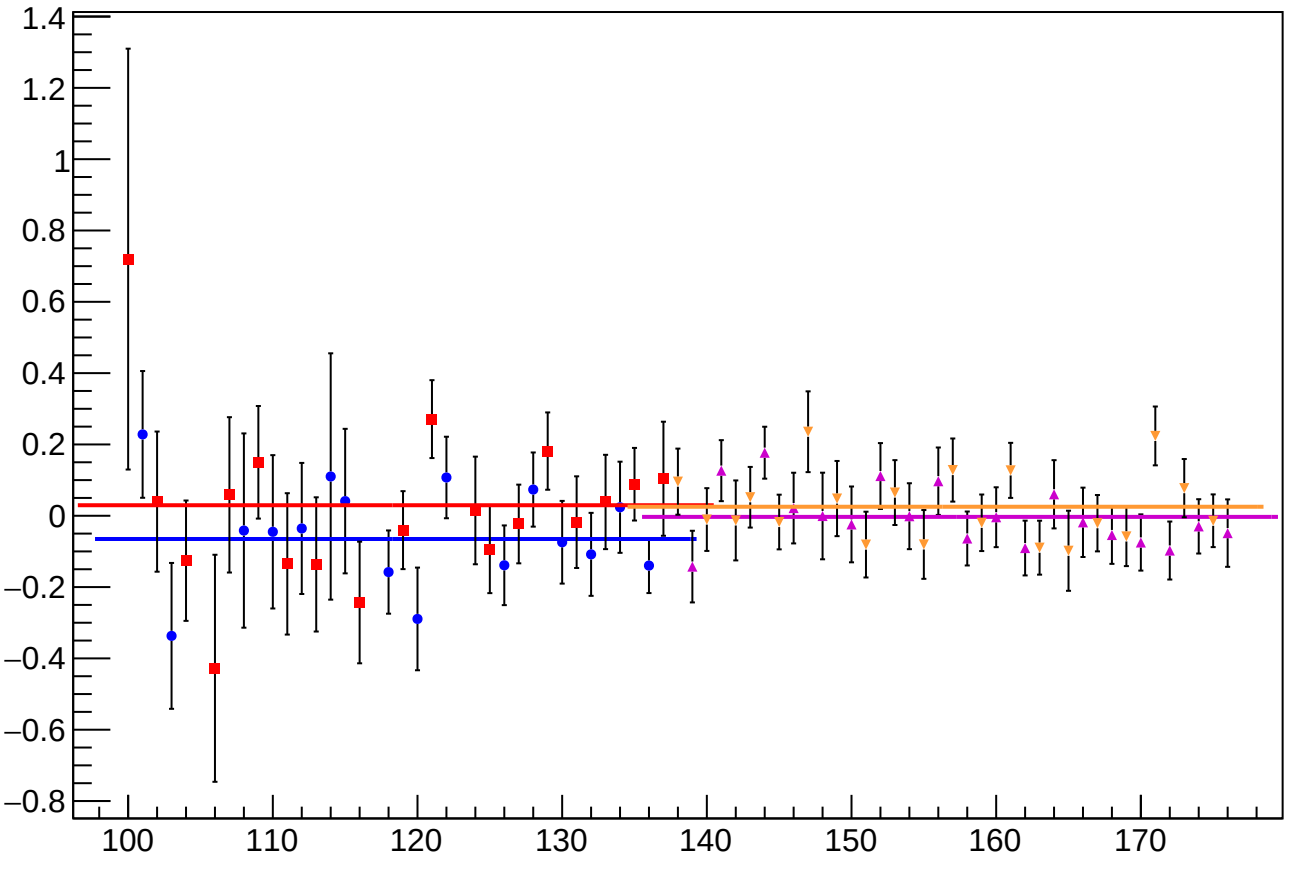
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.197+/-0.014 χ^2/NDF:486719.8/18

\+ sign 79.190+/-0.012 χ^2/NDF: 1513860.0/35

All: 79.748+/-0.008 χ^2/NDF: 3079662.5/73

\- sign 80.329+/-0.012 χ^2/NDF: 1561299.9/37



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

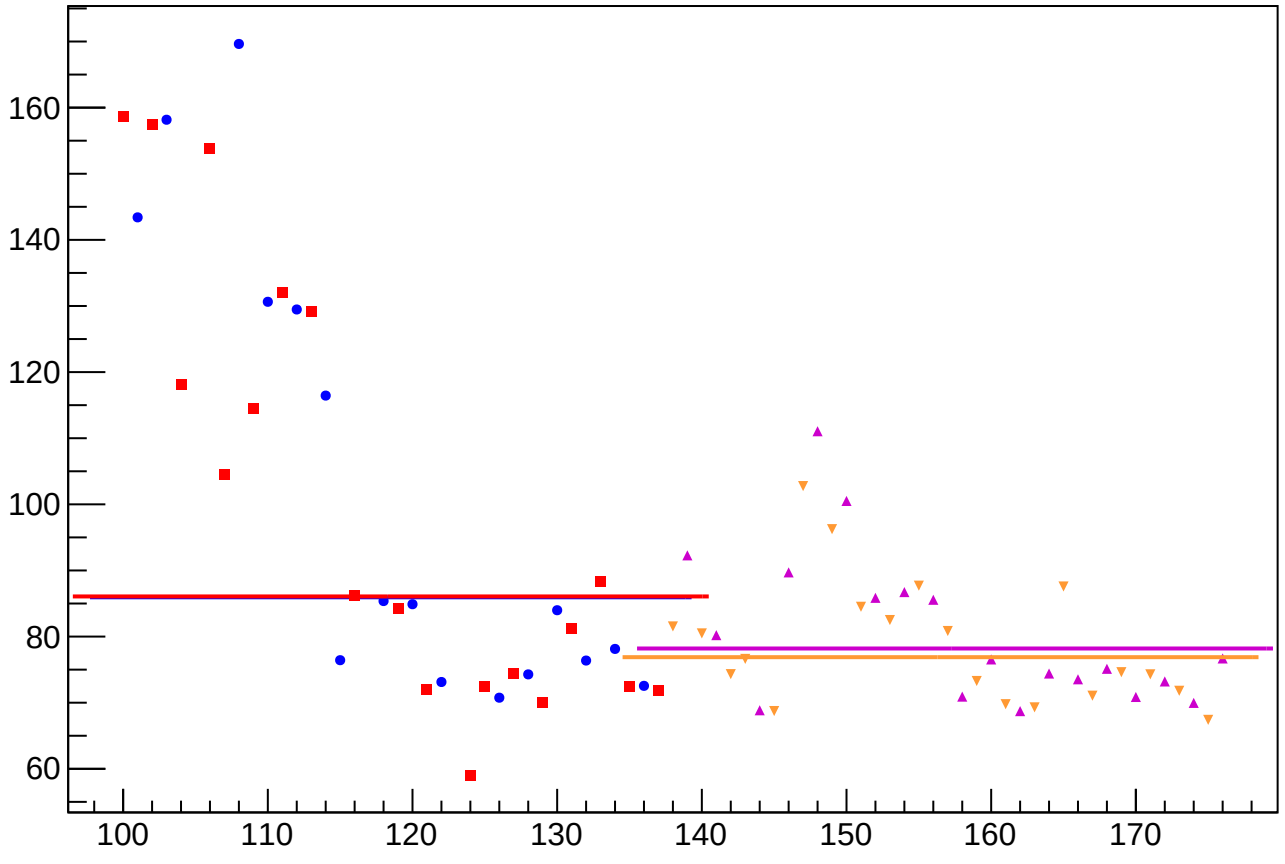
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.003+/-0.020 χ^2/NDF:18.4/18

+ sign 0.002+/-0.017 χ^2/NDF: 41.9/35

All: 0.004+/-0.012 χ^2/NDF: 79.1/73

- sign 0.006+/-0.017 χ^2/NDF: 37.2/37



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 76.884+/-0.014 χ^2/NDF:368574.9/19

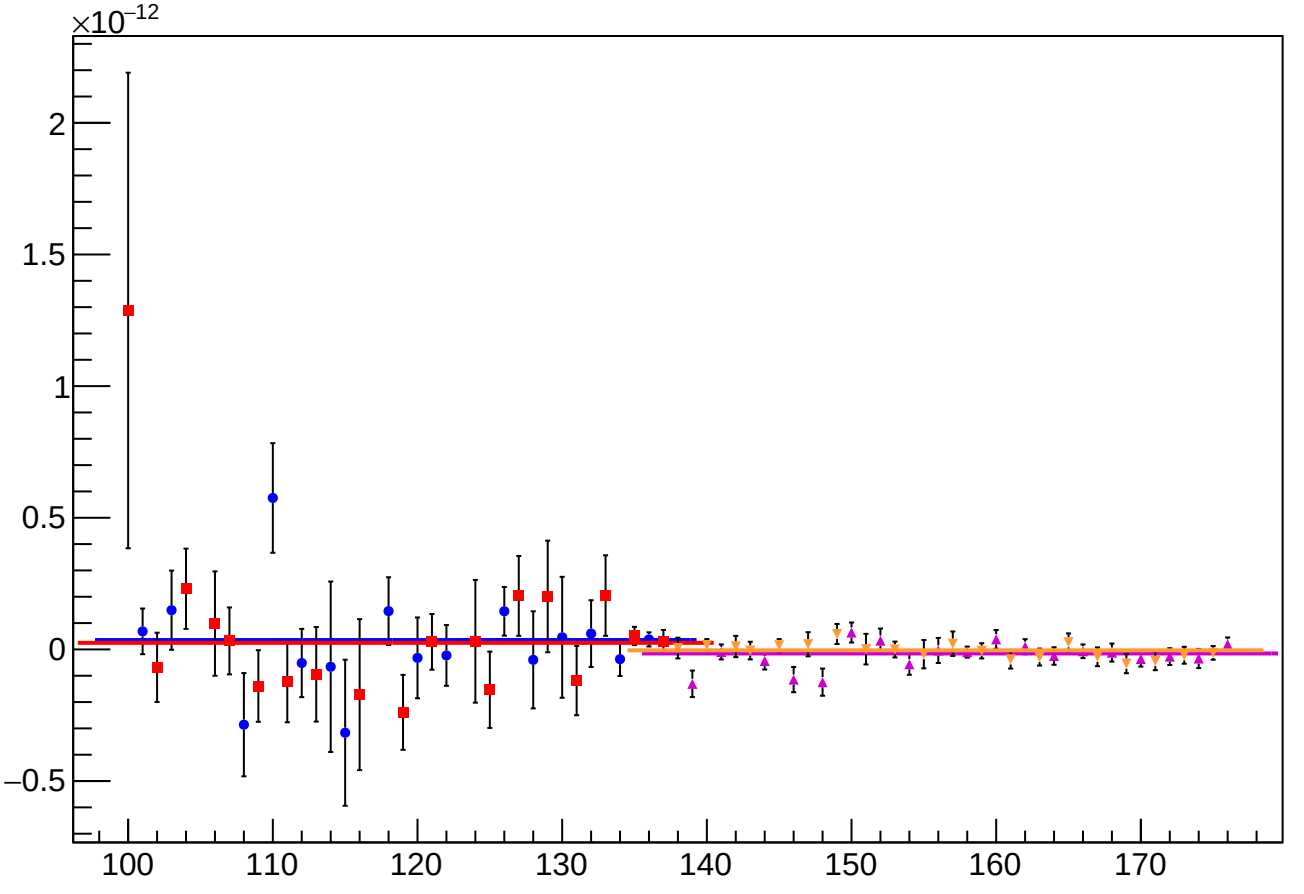
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.197+/-0.014 χ^2/NDF:486719.8/18

\+ sign 79.190+/-0.012 χ^2/NDF: 1513860.0/35

All: 79.748+/-0.008 χ^2/NDF: 3079662.5/73

\- sign 80.329+/-0.012 χ^2/NDF: 1561299.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/19

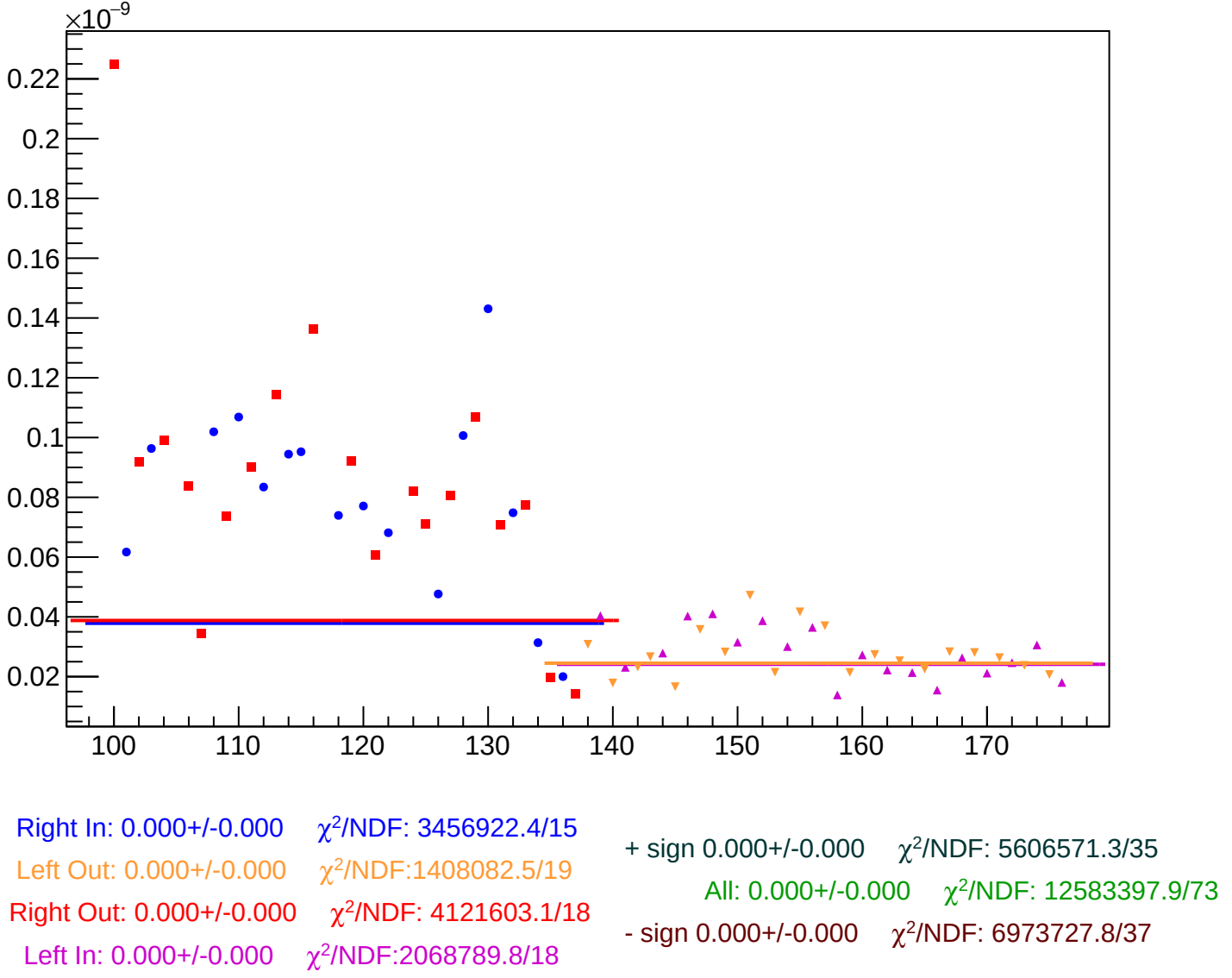
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:27.5/18

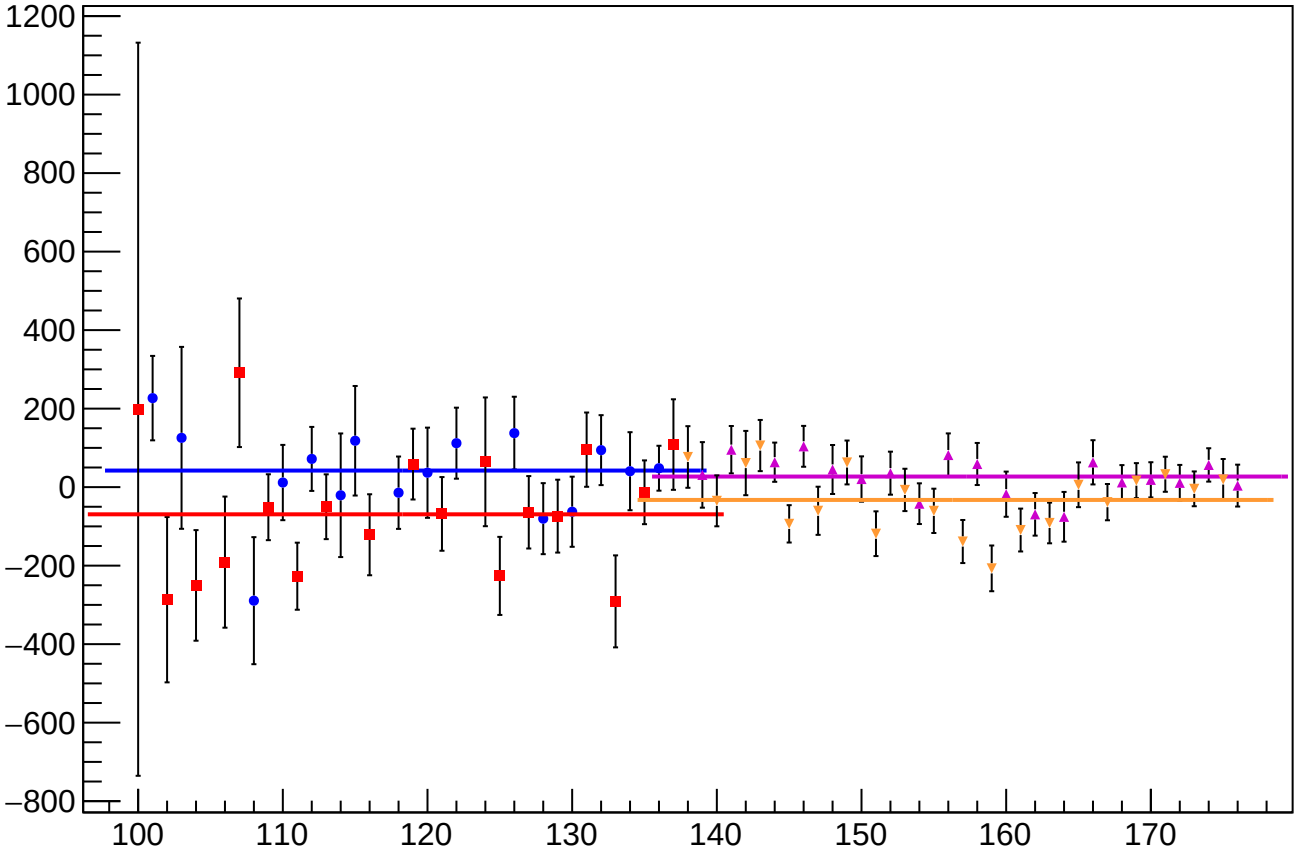
+ sign 0.000+/-0.000 χ^2/NDF: 31.0/35

All: -0.000+/-0.000 χ^2/NDF: 80.8/73

- sign -0.000+/-0.000 χ^2/NDF: 48.3/37


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1408082.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:2068789.8/18
+ sign 0.000+/-0.000 χ²/NDF: 5606571.3/35
All: 0.000+/-0.000 χ²/NDF: 12583397.9/73
- sign 0.000+/-0.000 χ²/NDF: 6973727.8/37

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.626+/-12.154 χ^2/NDF:36.5/19

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

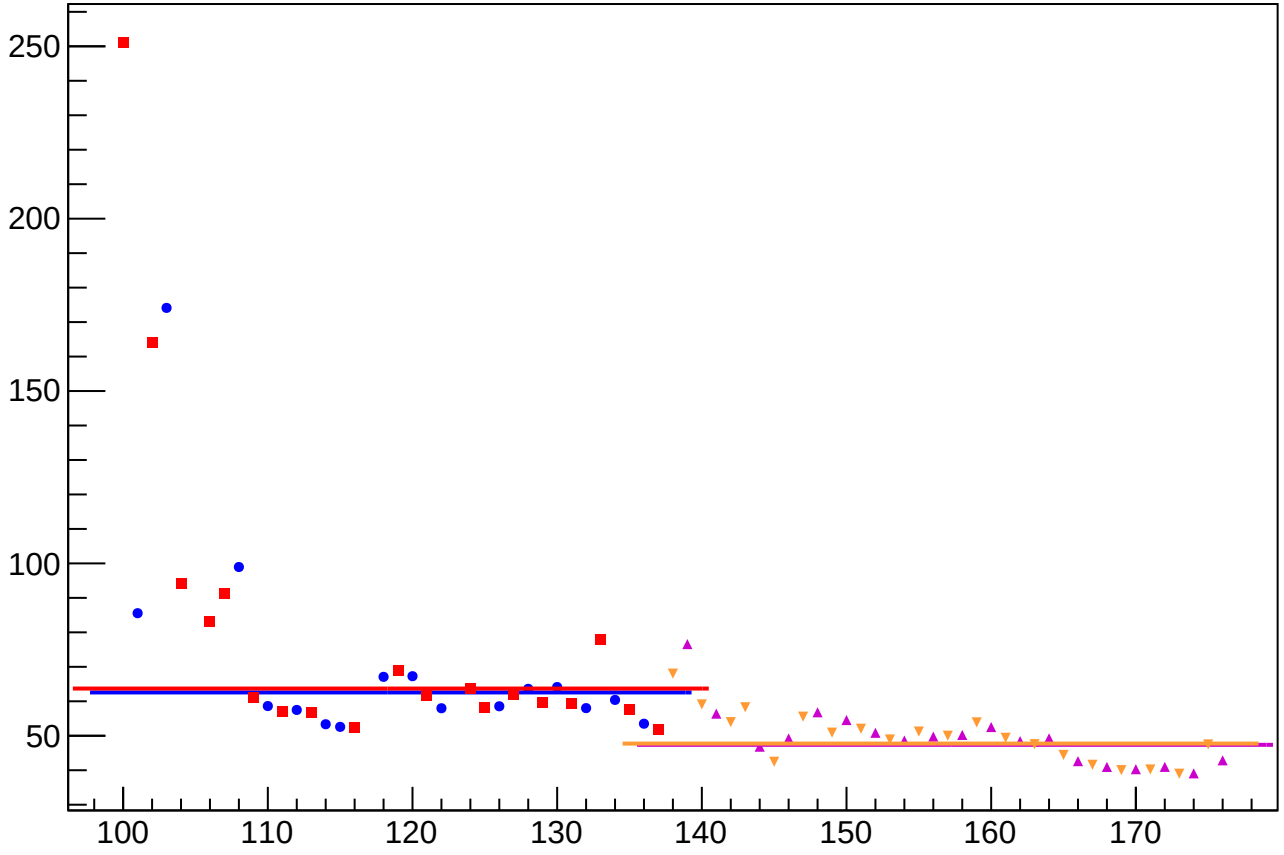
Left In: 26.955+/-12.189 χ^2/NDF:15.0/18

+ sign -17.557+/-10.862 χ^2/NDF: 57.7/35

All: -4.947+/-7.696 χ^2/NDF: 113.1/73

- sign 7.765+/-10.906 χ^2/NDF: 52.8/37

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.733+/-0.009 χ^2/NDF:605952.0/19

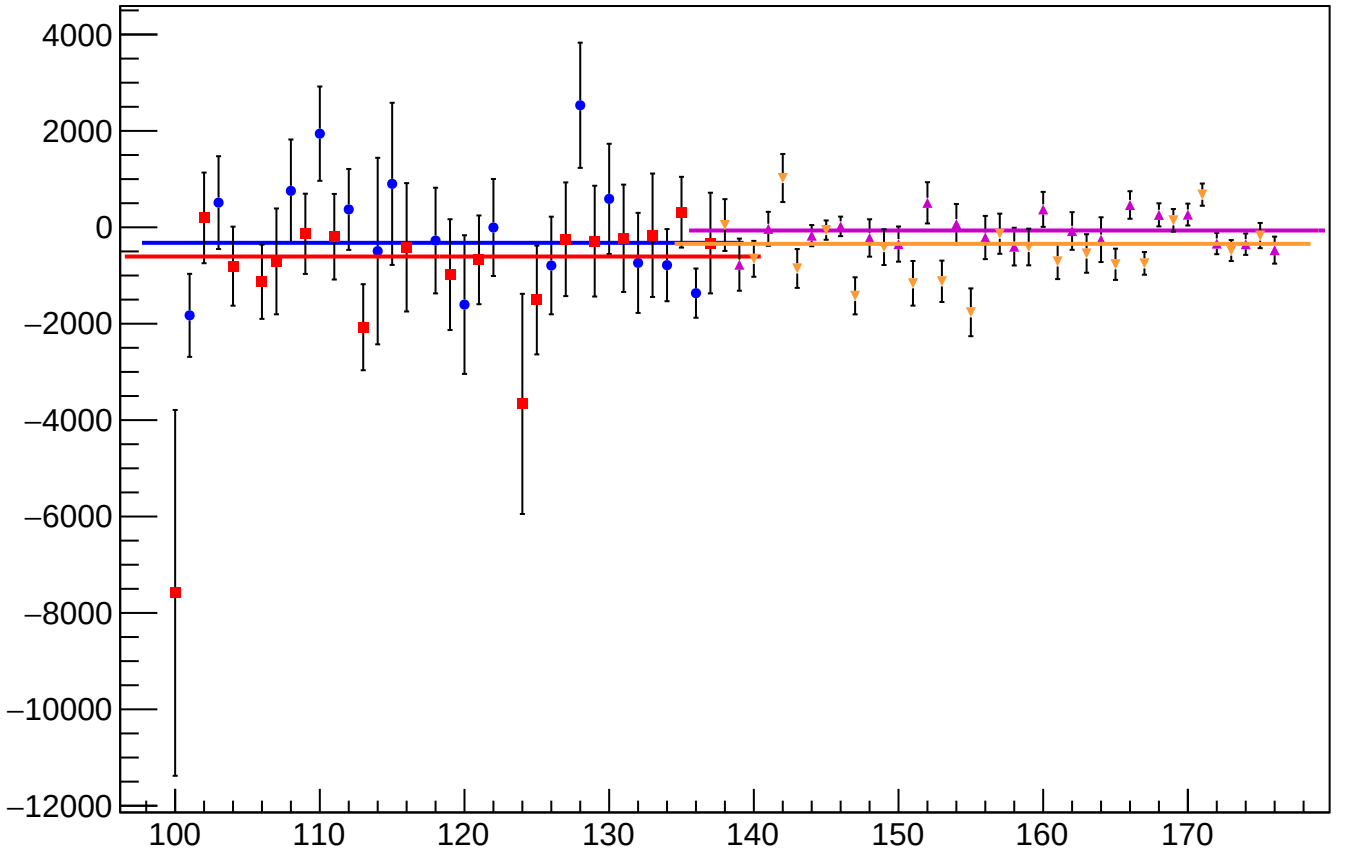
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.370+/-0.009 χ^2/NDF:642283.4/18

+ sign 50.719+/-0.008 χ^2/NDF: 1964301.3/35

All: 50.673+/-0.005 χ^2/NDF: 4156814.9/73

- sign 50.627+/-0.008 χ^2/NDF: 2192442.7/37



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -342.803+/-70.609 χ^2/NDF:65.8/19

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

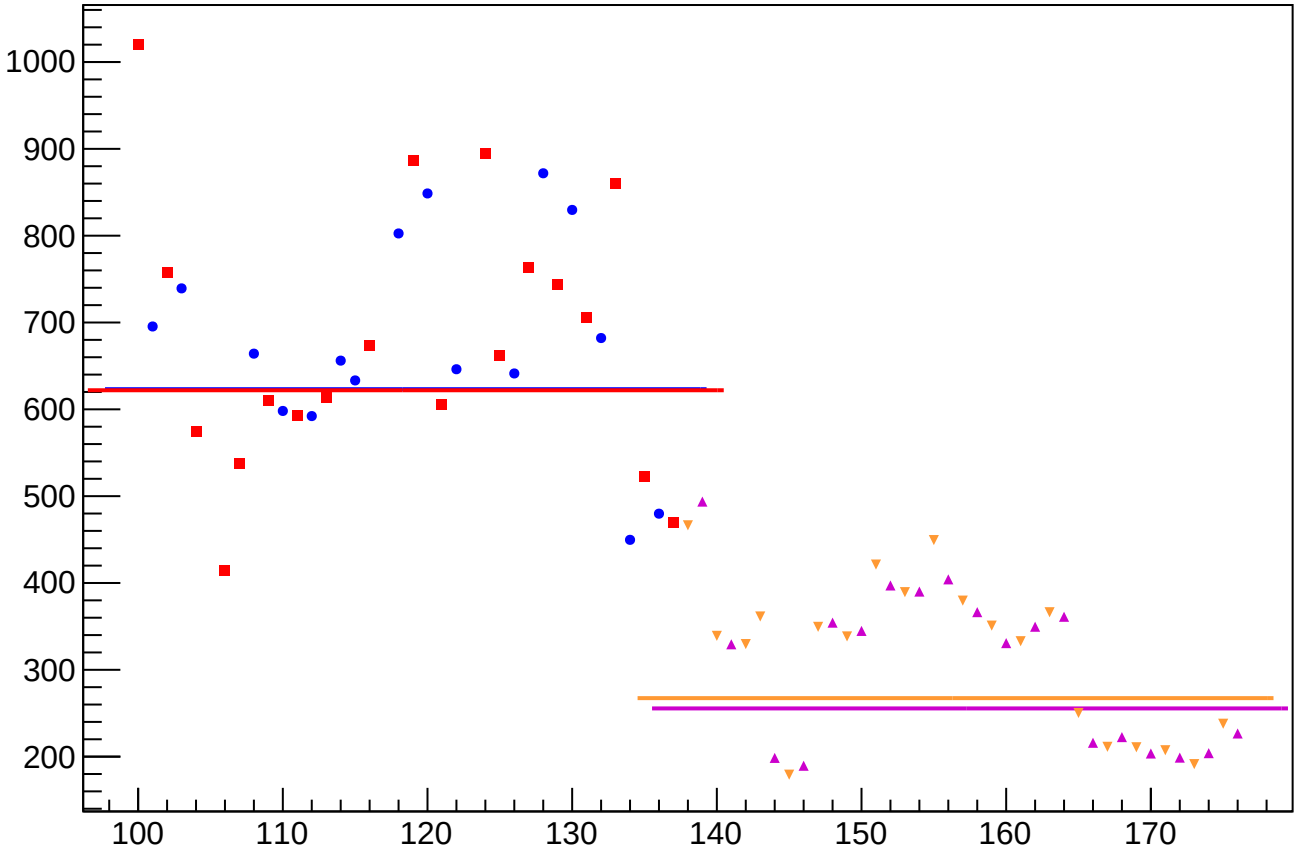
Left In: -65.919+/-68.223 χ^2/NDF:19.9/18

+ sign -341.100+/-67.704 χ^2/NDF: 88.5/35

All: -220.847+/-47.071 χ^2/NDF: 131.9/73

- sign -108.338+/-65.488 χ^2/NDF: 37.3/37

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 267.378+/-0.050 χ^2/NDF:2760686.8/19

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

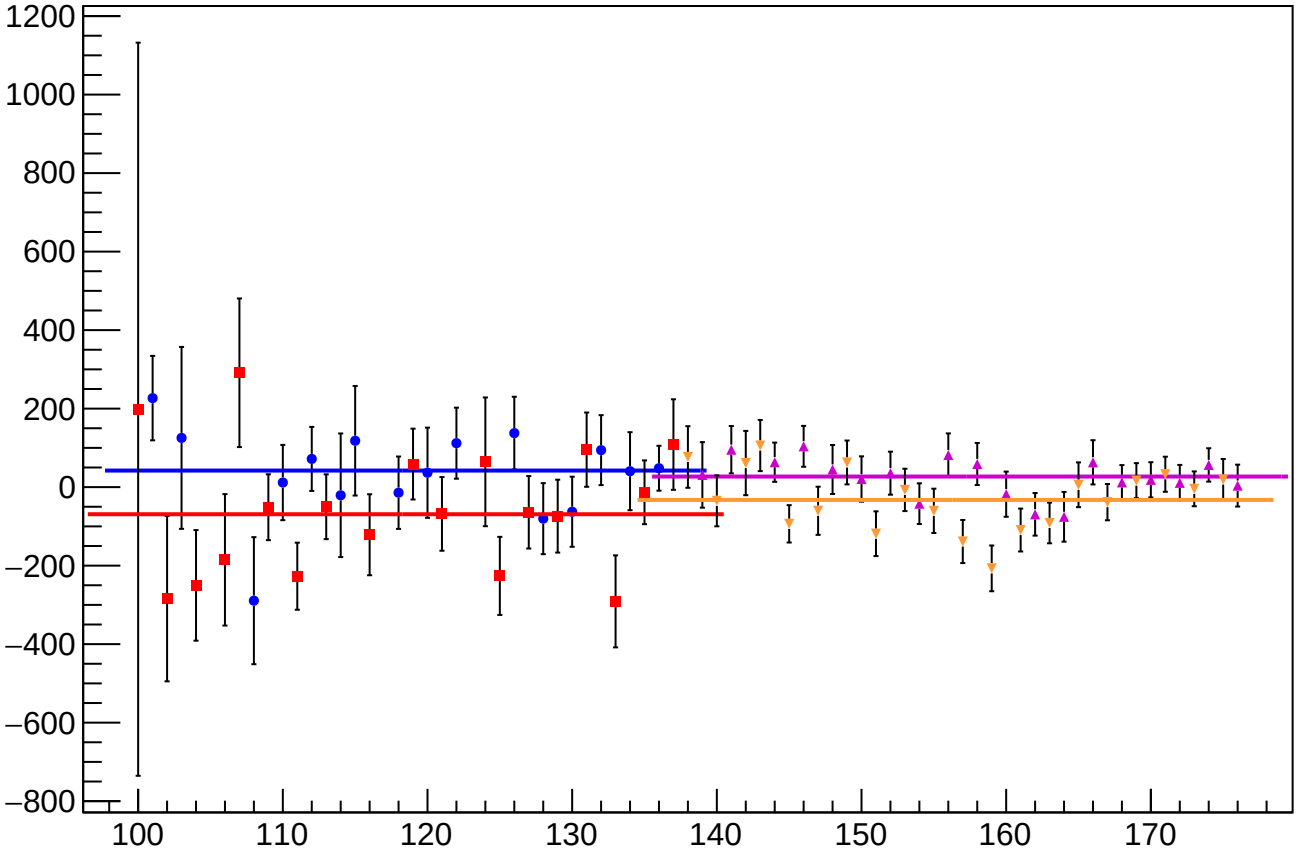
Left In: 255.527+/-0.048 χ^2/NDF:2627716.4/18

+ sign 296.054+/-0.048 χ^2/NDF: 7419228.5/35

All: 289.990+/-0.033 χ^2/NDF: 15193891.6/73

- sign 284.316+/-0.046 χ^2/NDF: 7743604.6/37

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.623+/-12.154 χ^2/NDF:36.5/19

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

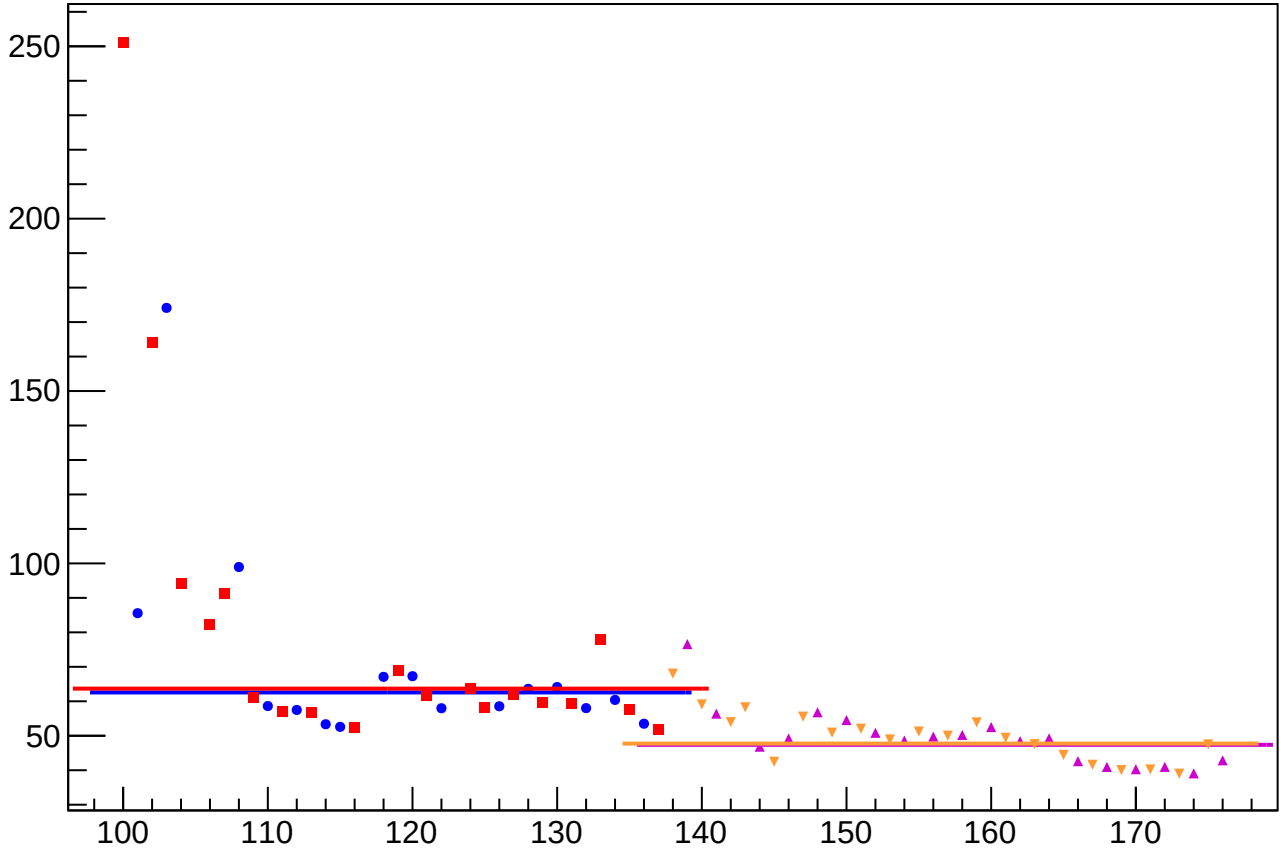
Left In: 26.953+/-12.189 χ^2/NDF:15.0/18

+ sign -17.556+/-10.862 χ^2/NDF: 57.7/35

All: -4.929+/-7.696 χ^2/NDF: 113.0/73

- sign 7.801+/-10.906 χ^2/NDF: 52.6/37

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.733+/-0.009 χ^2/NDF:605951.9/19

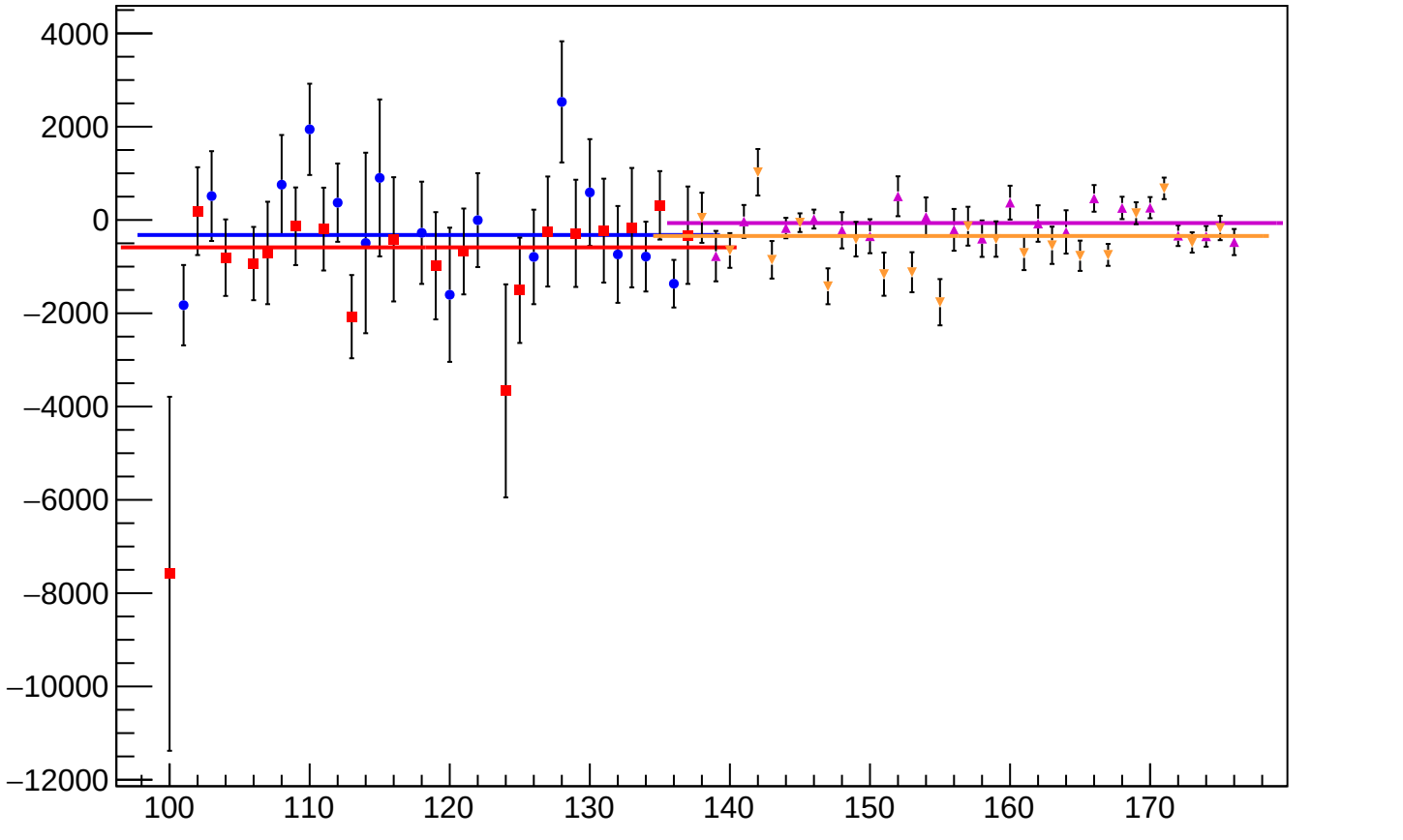
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.370+/-0.009 χ^2/NDF:642283.4/18

+ sign 50.719+/-0.008 χ^2/NDF: 1964303.0/35

All: 50.671+/-0.005 χ^2/NDF: 4151892.2/73

- sign 50.622+/-0.008 χ^2/NDF: 2187510.2/37



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -342.799+/-70.609 χ^2/NDF:65.8/19

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

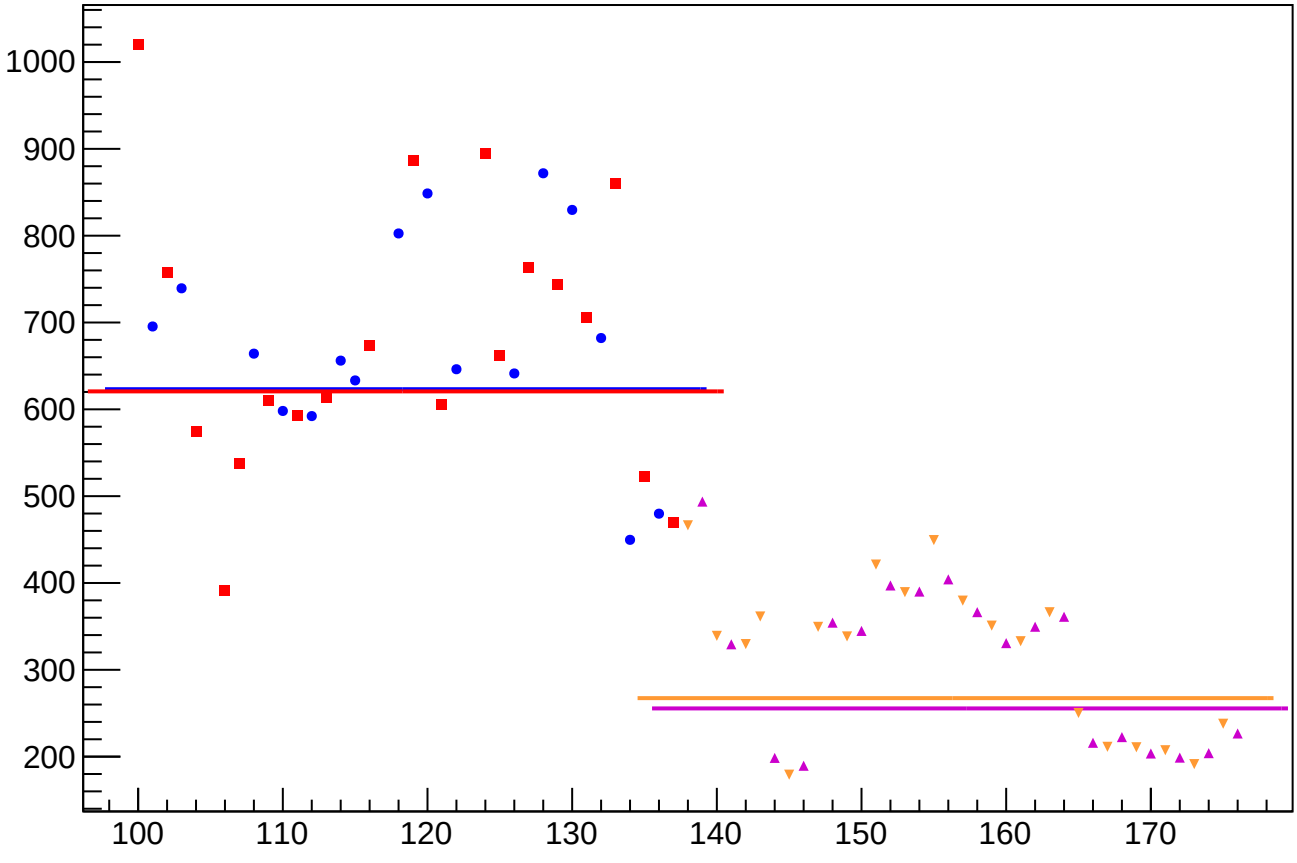
Left In: -65.922+/-68.223 χ^2/NDF:19.9/18

+ sign -341.095+/-67.704 χ^2/NDF: 88.5/35

All: -220.035+/-47.074 χ^2/NDF: 131.4/73

- sign -106.736+/-65.498 χ^2/NDF: 36.7/37

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 267.378+/-0.050 χ^2/NDF:2760692.6/19

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

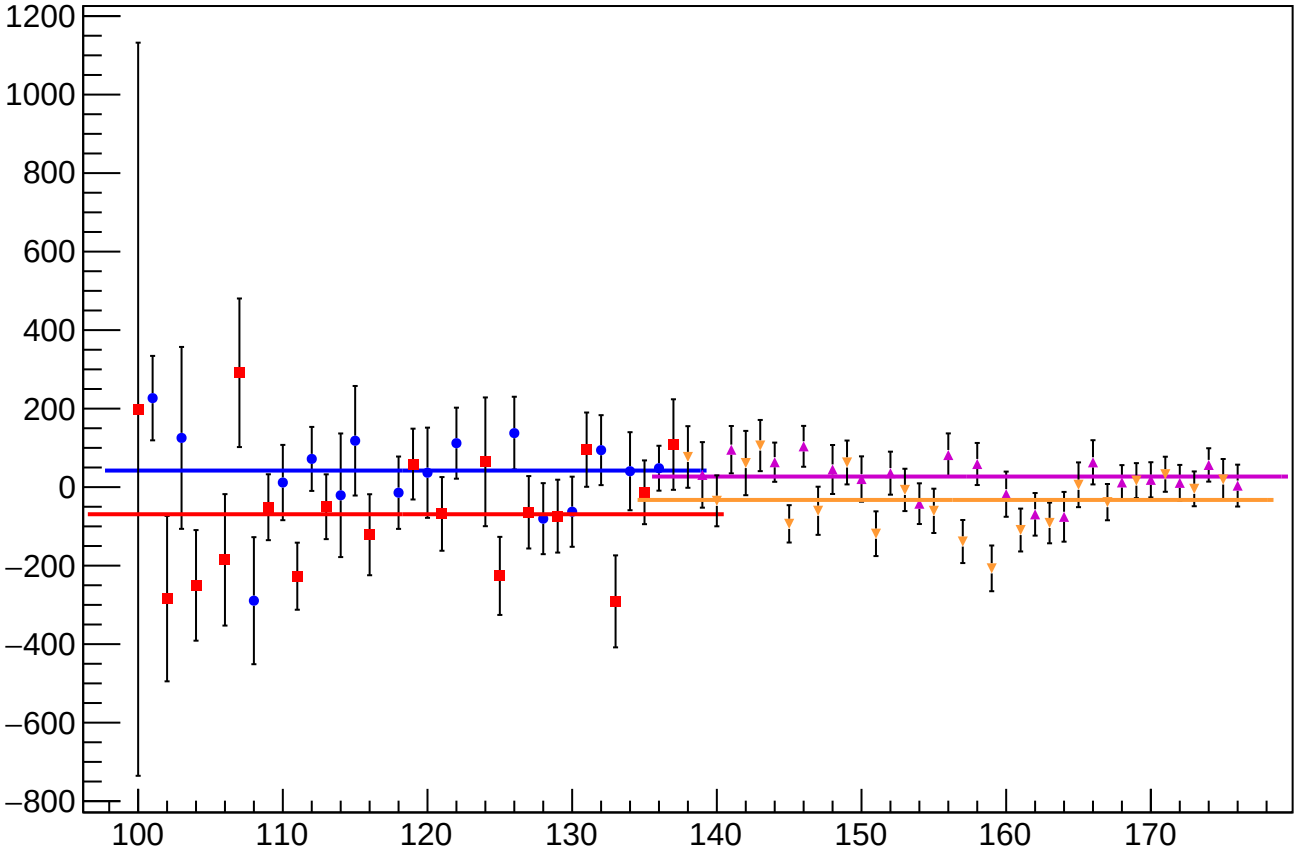
Left In: 255.527+/-0.048 χ^2/NDF:2627711.4/18

+ sign 296.054+/-0.048 χ^2/NDF: 7419291.3/35

All: 289.887+/-0.033 χ^2/NDF: 15175322.6/73

- sign 284.115+/-0.046 χ^2/NDF: 7723907.5/37

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.623+/-12.154 χ^2/NDF:36.5/19

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

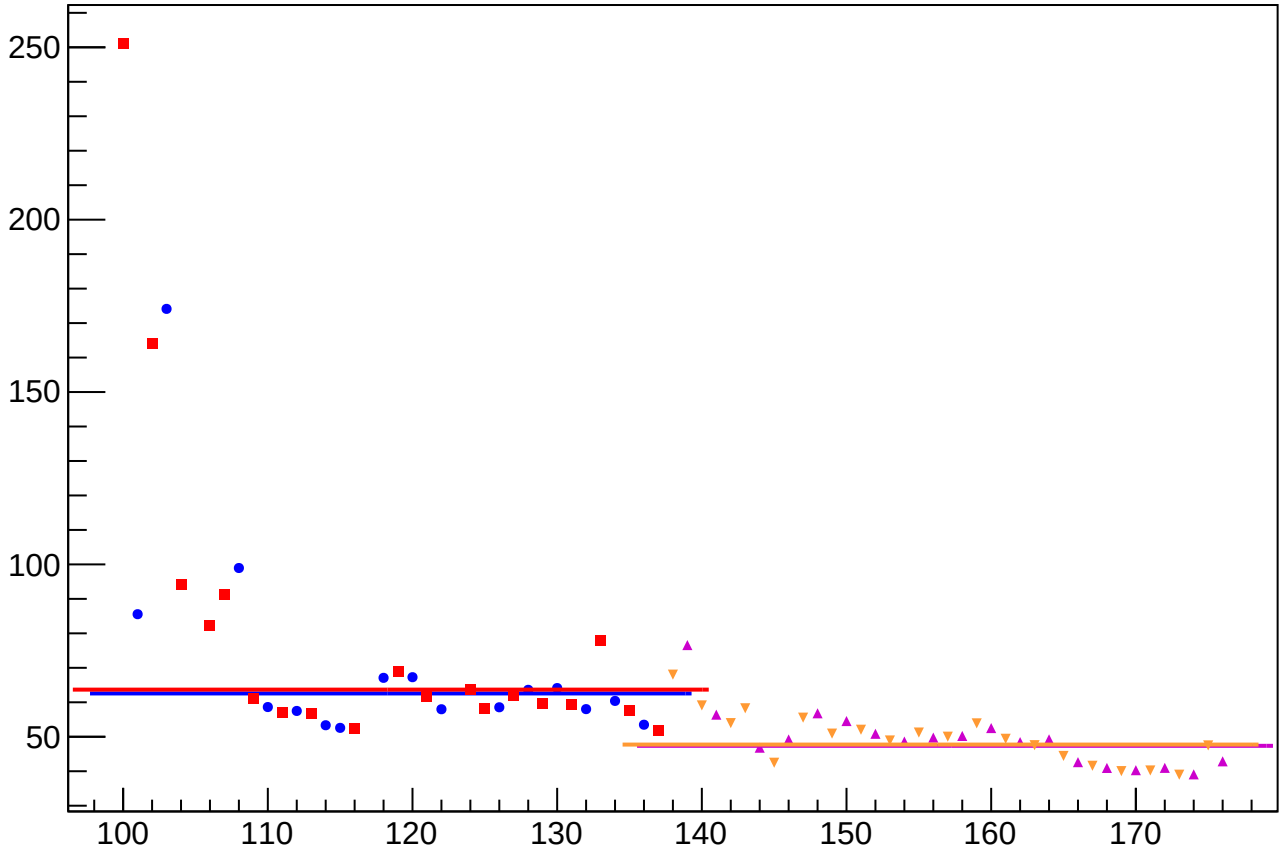
Left In: 26.953+/-12.189 χ^2/NDF:15.0/18

+ sign -17.556+/-10.862 χ^2/NDF: 57.7/35

All: -4.929+/-7.696 χ^2/NDF: 113.0/73

- sign 7.801+/-10.906 χ^2/NDF: 52.6/37

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.733+/-0.009 χ^2/NDF:605951.9/19

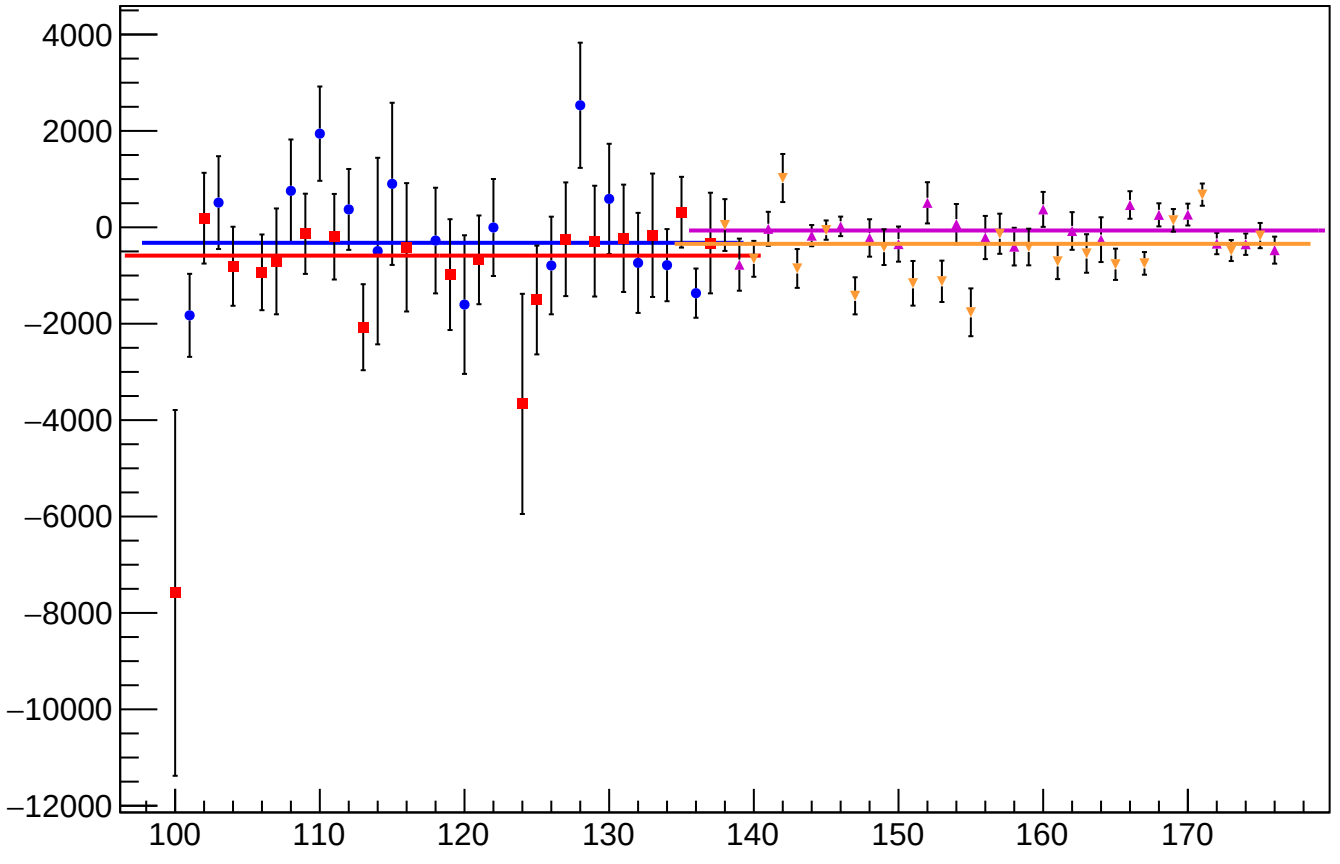
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.370+/-0.009 χ^2/NDF:642283.4/18

+ sign 50.719+/-0.008 χ^2/NDF: 1964303.0/35

All: 50.671+/-0.005 χ^2/NDF: 4151892.2/73

- sign 50.622+/-0.008 χ^2/NDF: 2187510.2/37



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -342.799+/-70.609 χ^2/NDF:65.8/19

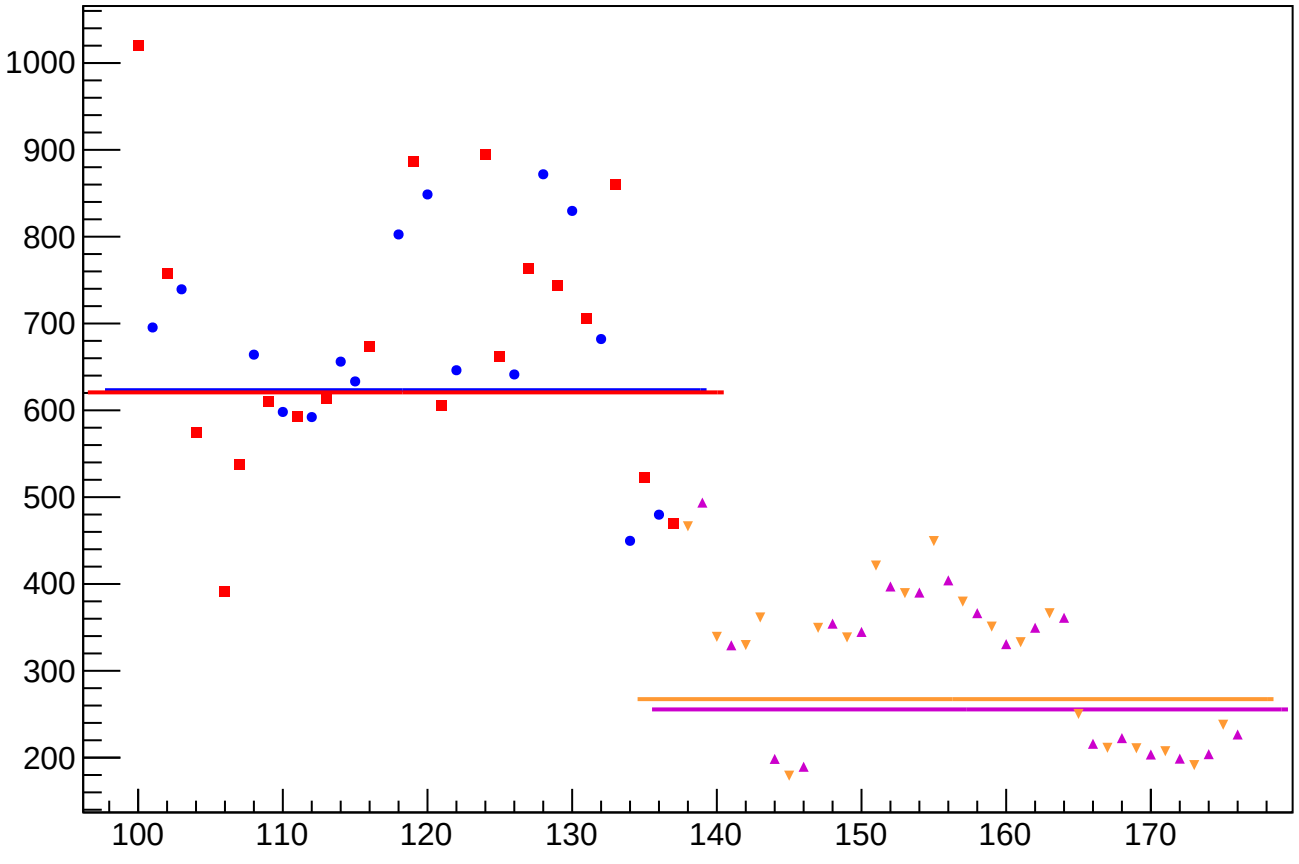
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -65.922+/-68.223 χ^2/NDF:19.9/18

+ sign -341.095+/-67.704 χ^2/NDF: 88.5/35

All: -220.035+/-47.074 χ^2/NDF: 131.4/73

- sign -106.736+/-65.498 χ^2/NDF: 36.7/37



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 267.378+/-0.050 χ^2/NDF:2760692.6/19

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

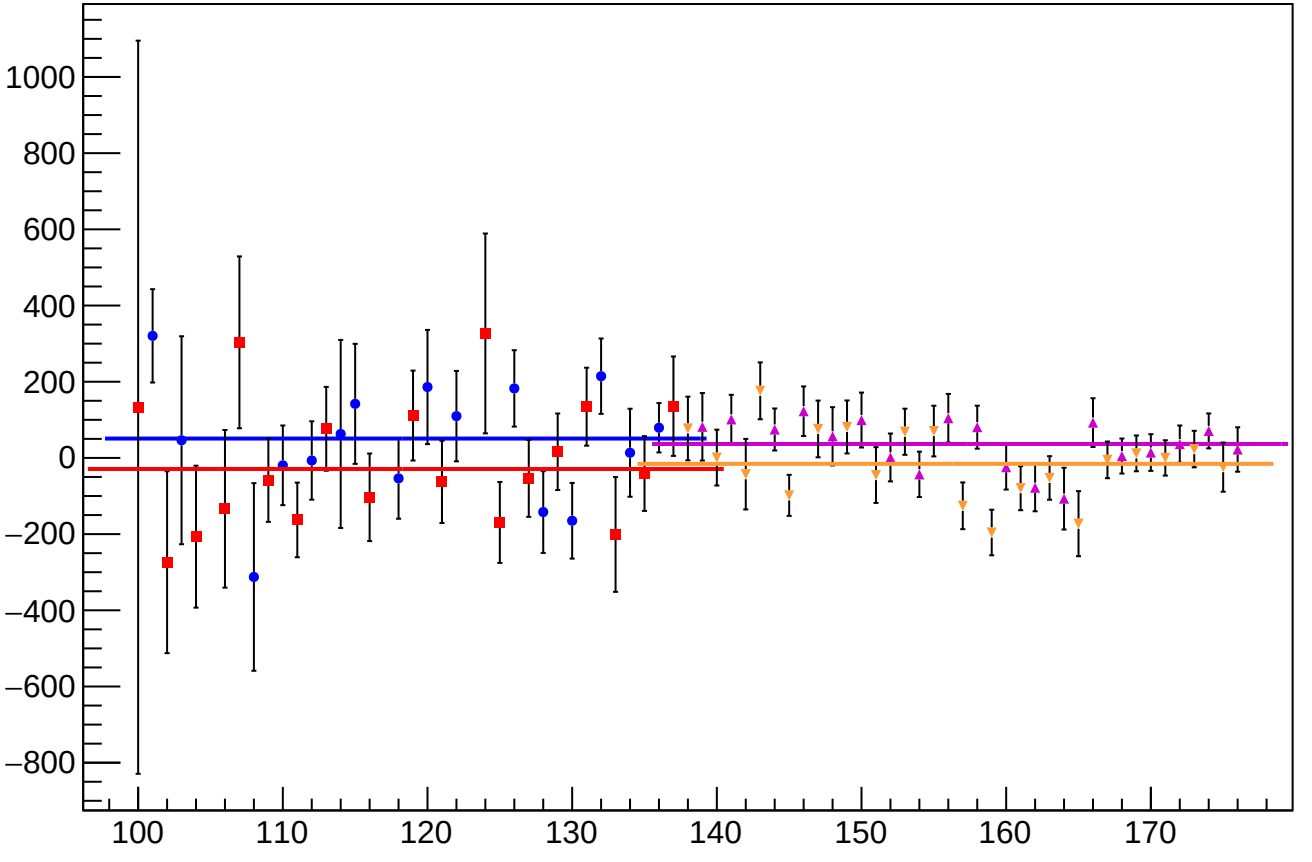
Left In: 255.527+/-0.048 χ^2/NDF:2627711.4/18

+ sign 296.054+/-0.048 χ^2/NDF: 7419291.3/35

All: 289.887+/-0.033 χ^2/NDF: 15175322.6/73

- sign 284.115+/-0.046 χ^2/NDF: 7723907.5/37

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.536+/-13.665 χ^2/NDF:36.0/19

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

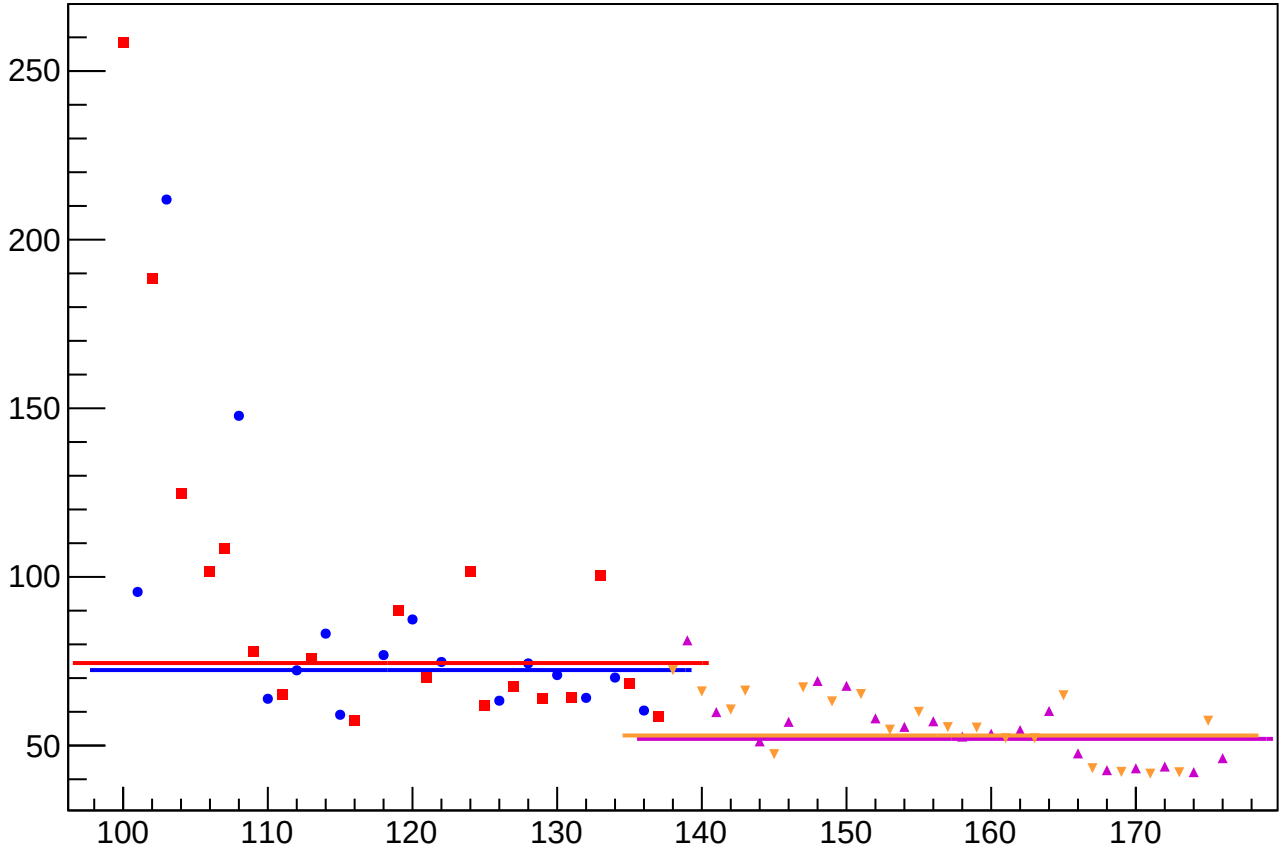
Left In: 36.649+/-13.568 χ^2/NDF:17.9/18

+ sign -2.997+/-12.307 χ^2/NDF: 63.4/35

All: 10.926+/-8.694 χ^2/NDF: 106.5/73

- sign 24.792+/-12.282 χ^2/NDF: 40.6/37

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.979+/-0.010 χ^2/NDF:930670.5/19

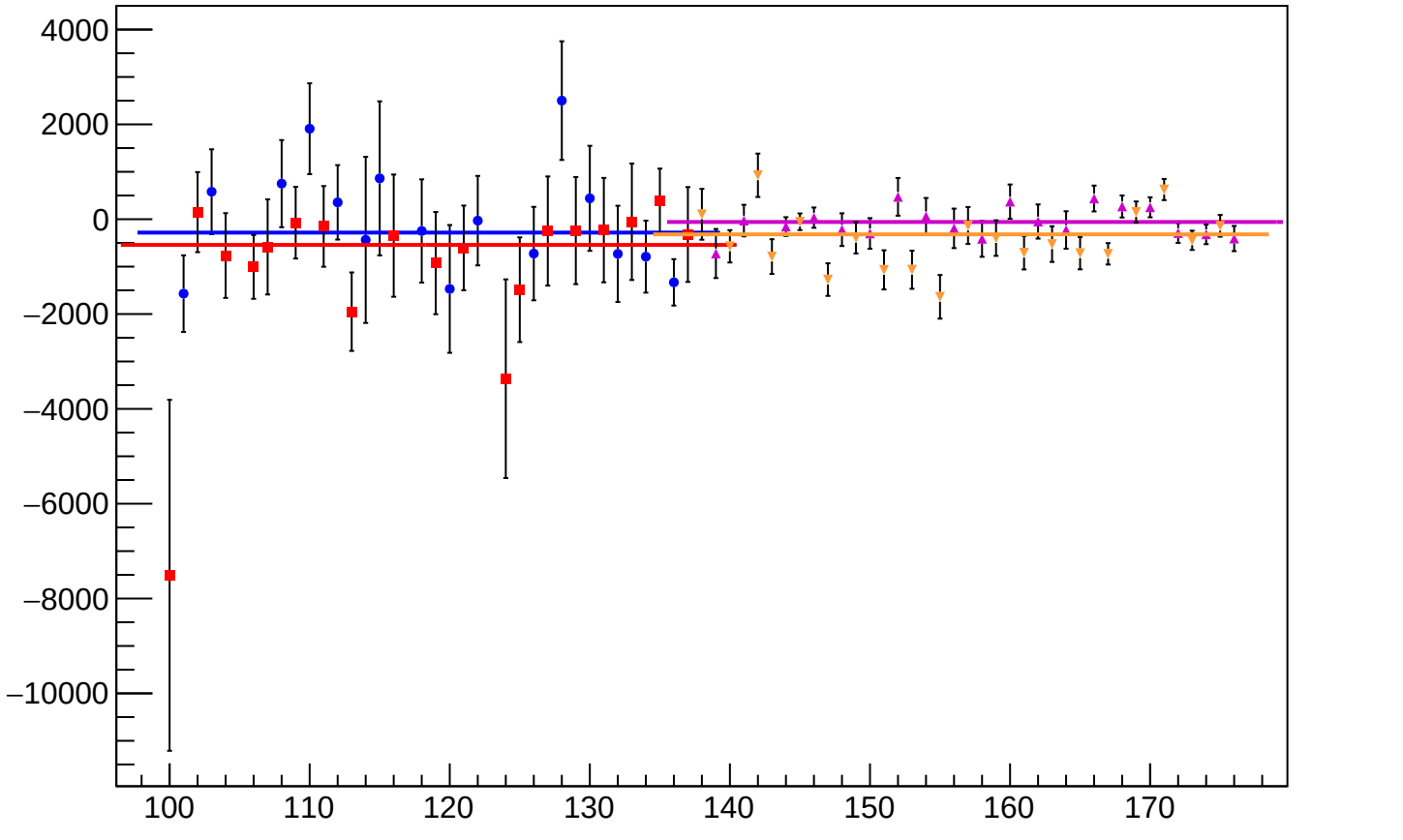
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 51.978+/-0.010 χ^2/NDF:846269.9/18

+ sign 56.643+/-0.009 χ^2/NDF: 2630223.0/35

All: 56.339+/-0.006 χ^2/NDF: 5522716.5/73

- sign 56.037+/-0.009 χ^2/NDF: 2890060.5/37



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -319.149+/-65.697 χ^2/NDF:65.1/19

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

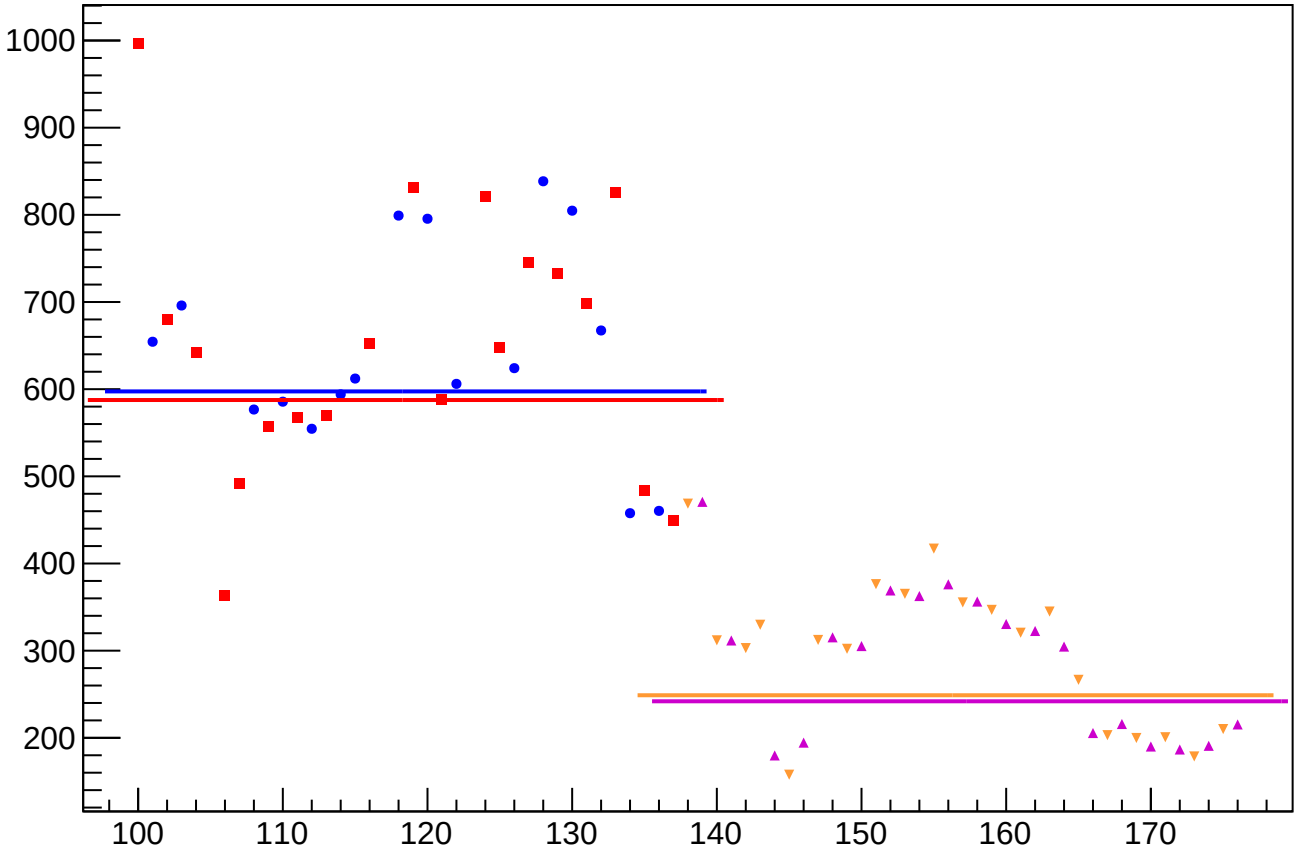
Left In: -58.193+/-64.486 χ^2/NDF:19.3/18

+ sign -316.299+/-63.124 χ^2/NDF: 87.9/35

All: -204.093+/-44.197 χ^2/NDF: 131.1/73

- sign -96.187+/-61.903 χ^2/NDF: 37.0/37

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 248.853+/-0.046 χ^2/NDF:2887157.6/19

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

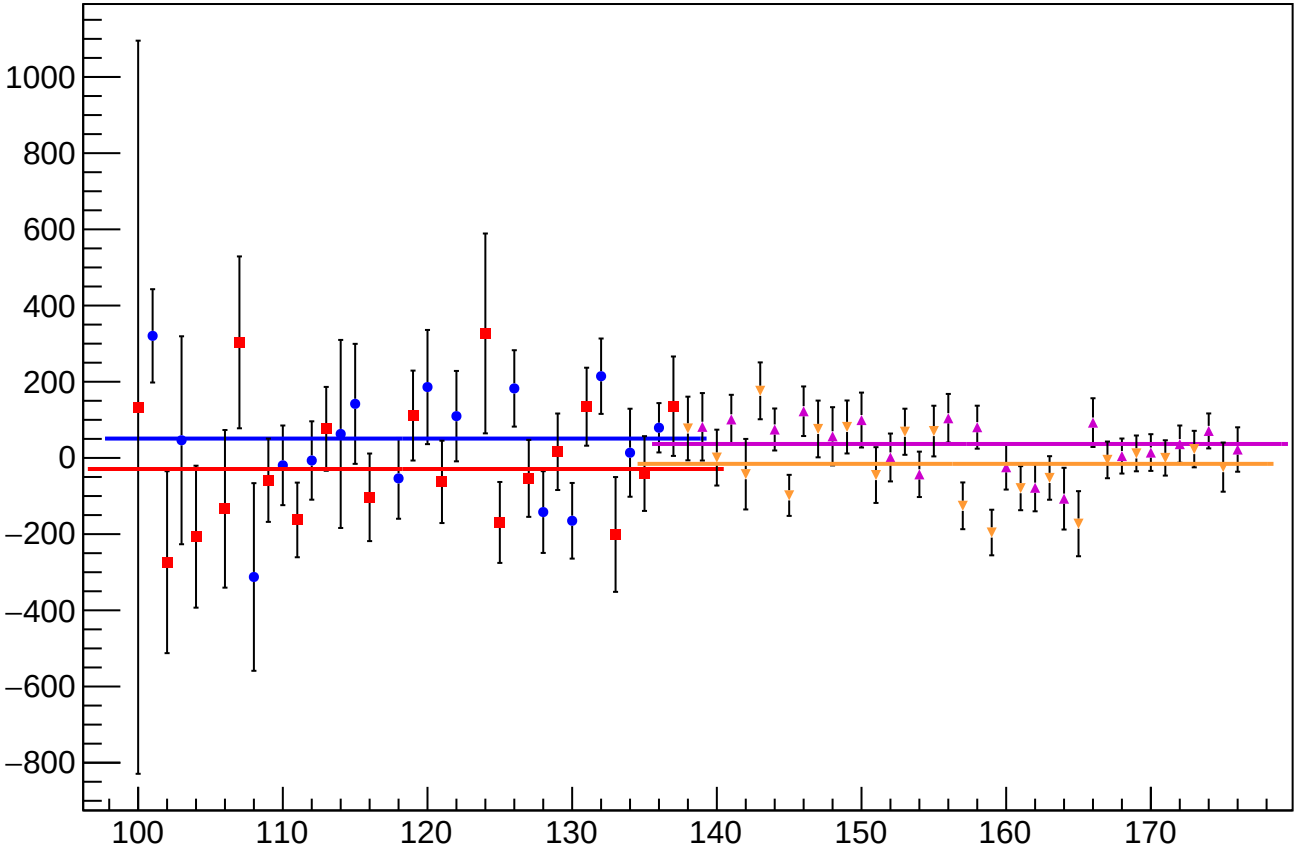
Left In: 241.921+/-0.046 χ^2/NDF:2464940.6/18

+ sign 275.622+/-0.045 χ^2/NDF: 7744891.4/35

All: 272.278+/-0.031 χ^2/NDF: 15421829.0/73

- sign 269.063+/-0.044 χ^2/NDF: 7665928.8/37

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.535+/-13.666 χ^2/NDF:36.0/19

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

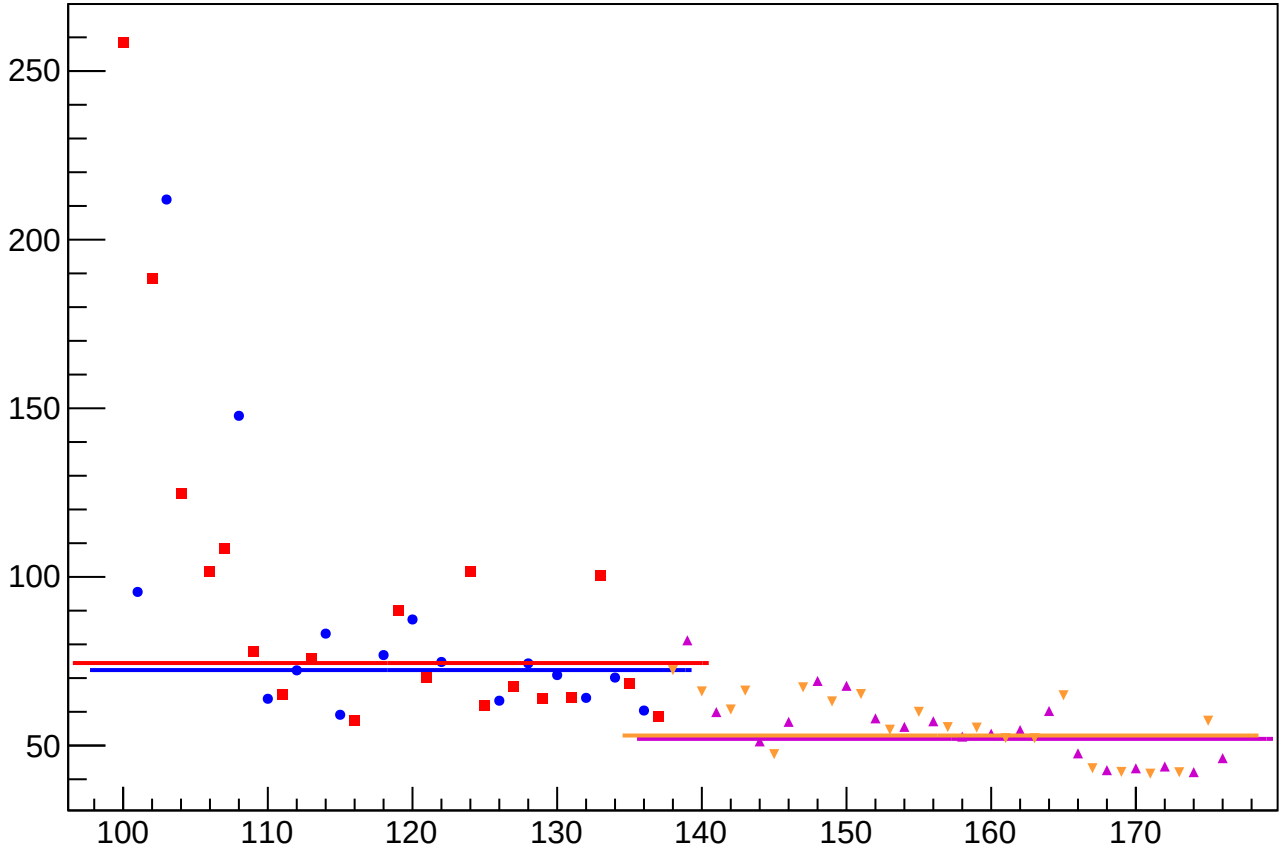
Left In: 36.649+/-13.568 χ^2/NDF:17.9/18

+ sign -2.996+/-12.307 χ^2/NDF: 63.4/35

All: 10.926+/-8.694 χ^2/NDF: 106.5/73

- sign 24.792+/-12.282 χ^2/NDF: 40.6/37

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.979+/-0.010 χ^2/NDF:930692.9/19

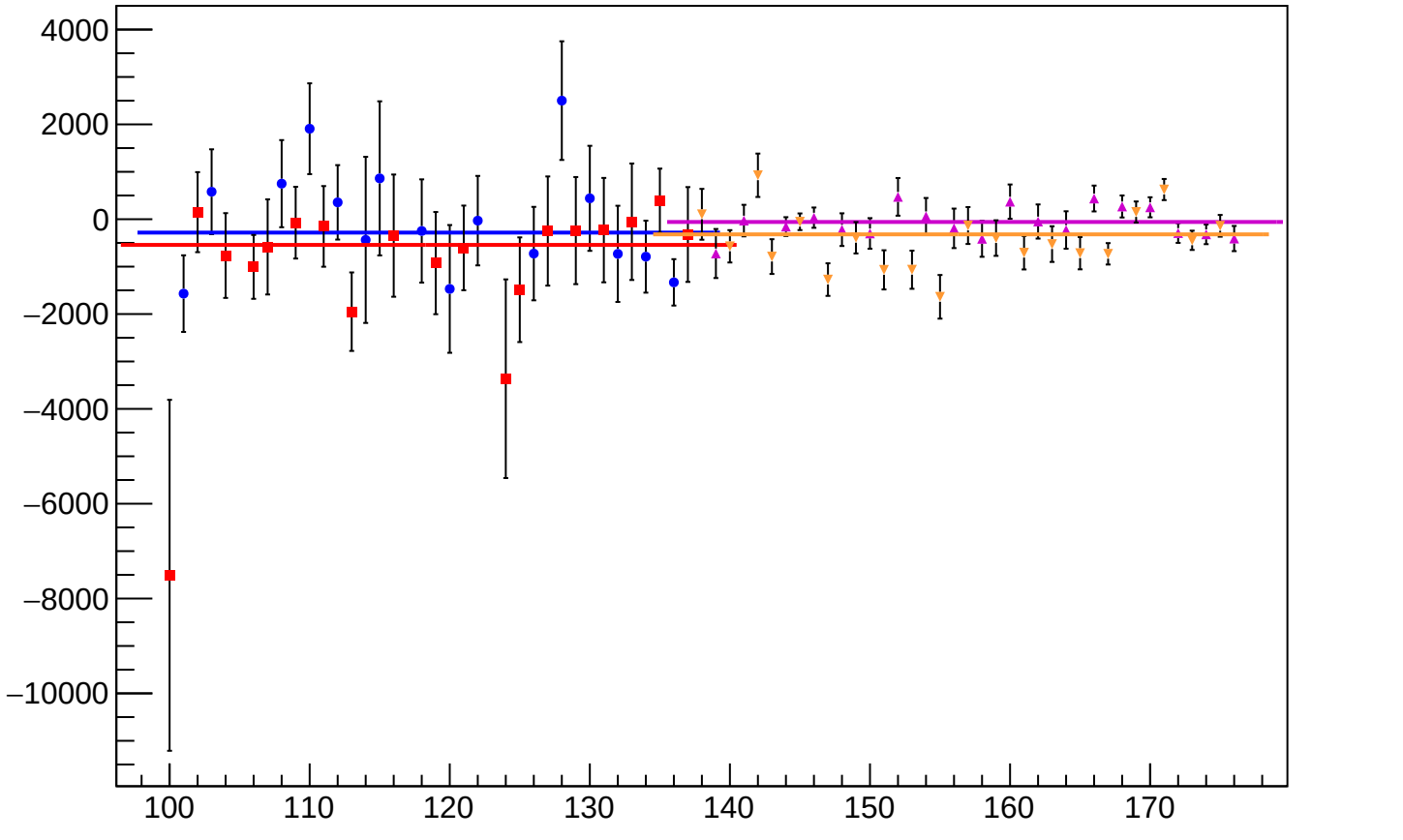
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 51.978+/-0.010 χ^2/NDF:846279.7/18

\+ sign 56.643+/-0.009 χ^2/NDF: 2630232.5/35

All: 56.339+/-0.006 χ^2/NDF: 5522716.3/73

\- sign 56.037+/-0.009 χ^2/NDF: 2890050.9/37



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -319.149+/-65.697 χ^2/NDF:65.1/19

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

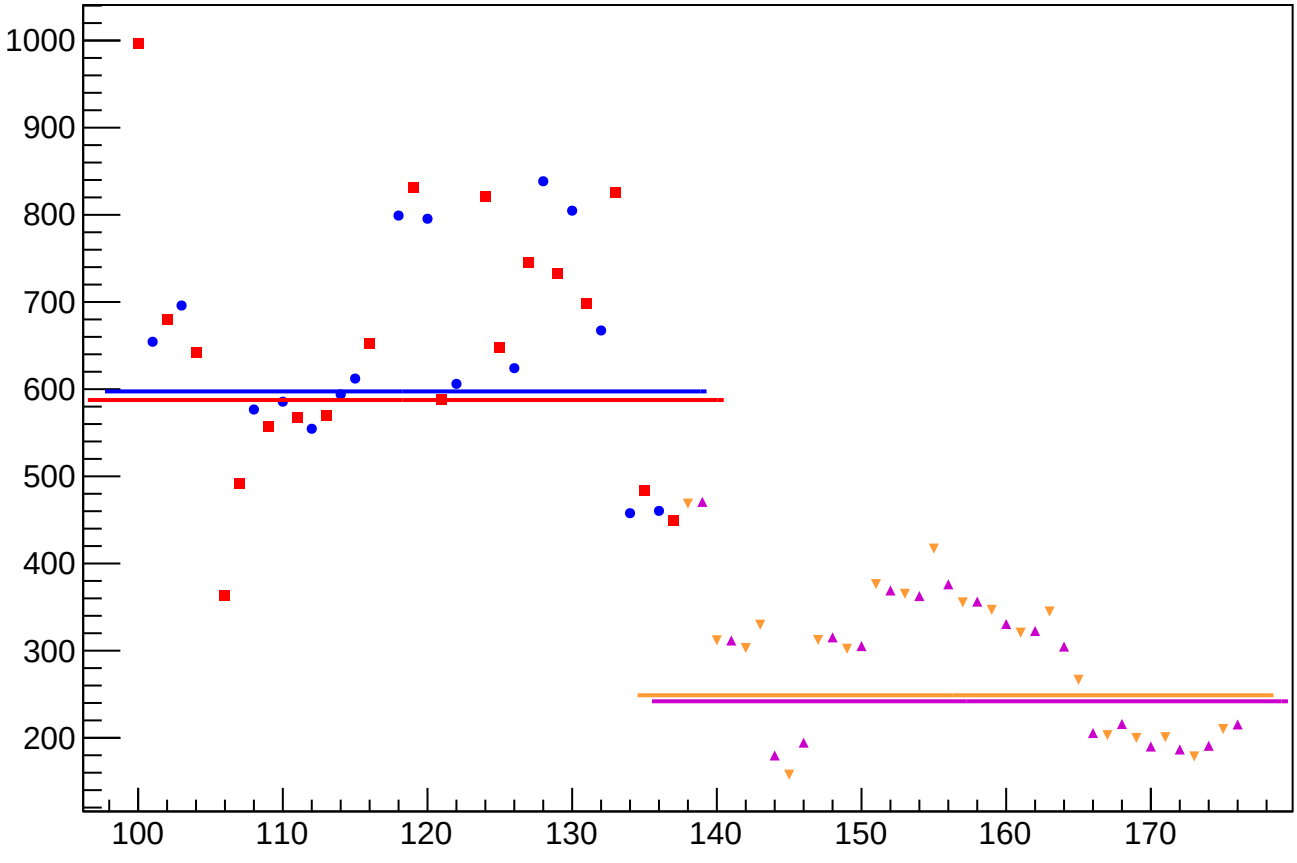
Left In: -58.193+/-64.486 χ^2/NDF:19.3/18

+ sign -316.299+/-63.124 χ^2/NDF: 87.9/35

All: -204.093+/-44.197 χ^2/NDF: 131.1/73

- sign -96.186+/-61.903 χ^2/NDF: 37.0/37

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 248.853+/-0.046 χ^2/NDF:2887147.7/19

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

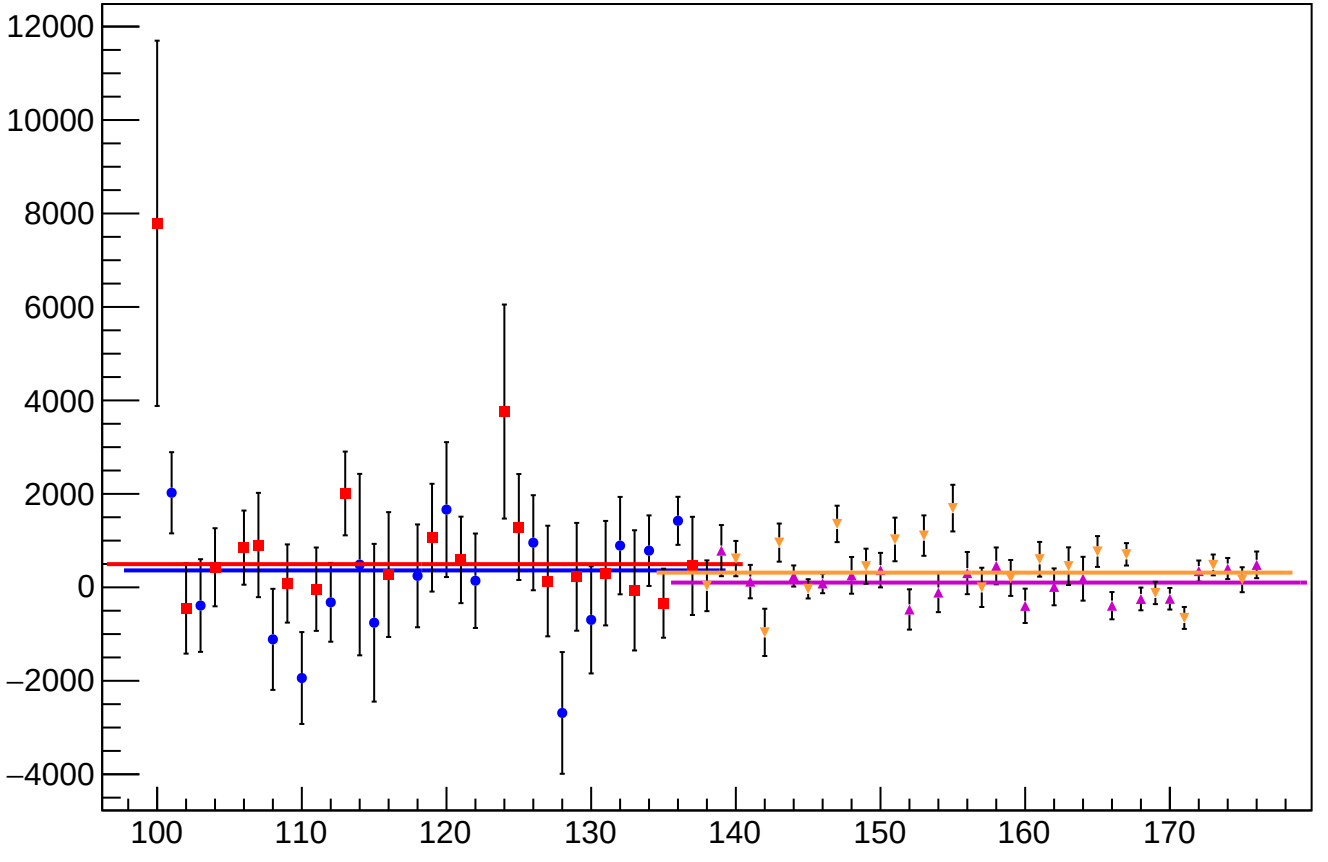
Left In: 241.920+/-0.046 χ^2/NDF:2464934.1/18

+ sign 275.622+/-0.045 χ^2/NDF: 7744887.8/35

All: 272.278+/-0.031 χ^2/NDF: 15421820.4/73

- sign 269.062+/-0.044 χ^2/NDF: 7665923.5/37

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 315.258+/-71.825 χ^2/NDF:60.4/19

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

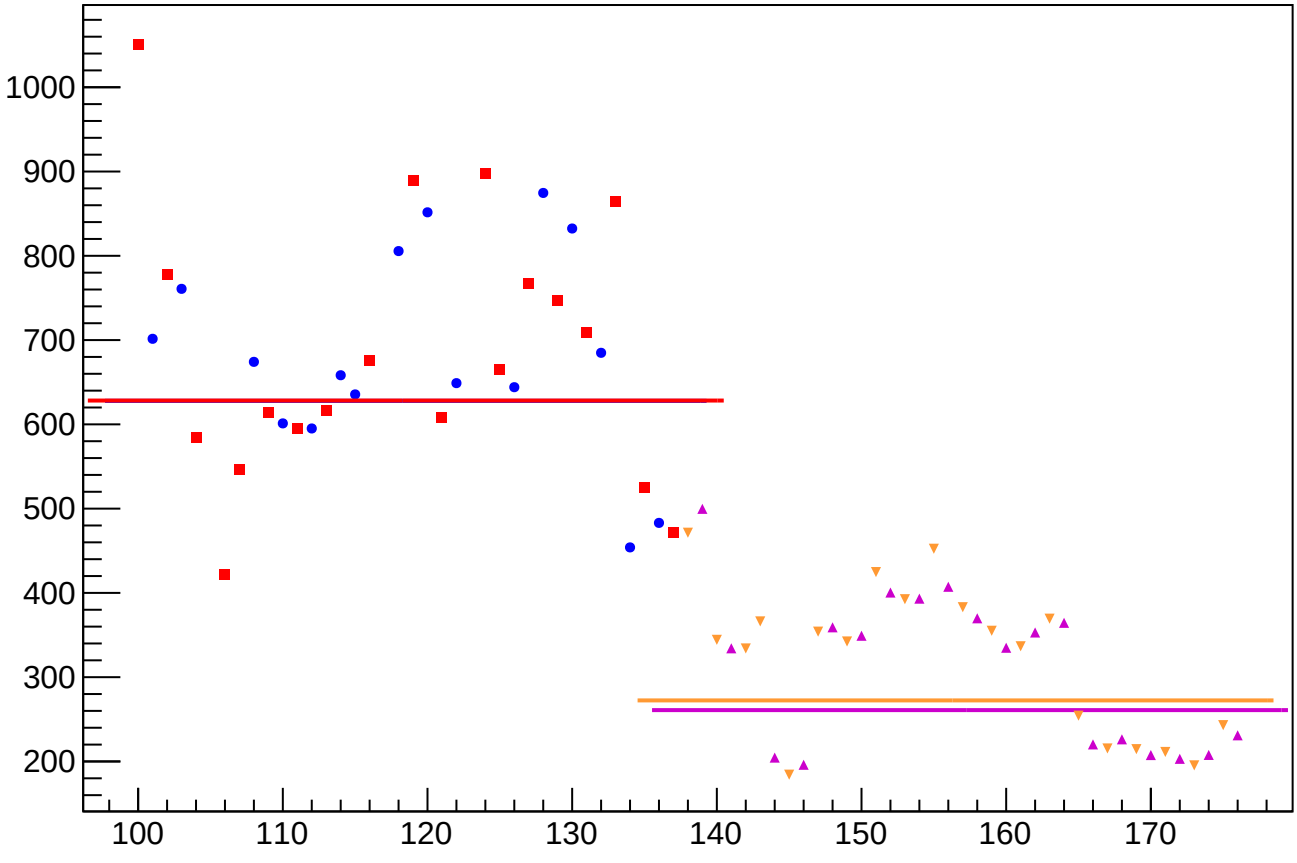
Left In: 102.053+/-69.523 χ^2/NDF:19.5/18

+ sign 319.123+/-68.816 χ^2/NDF: 85.5/35

All: 223.428+/-47.891 χ^2/NDF: 124.0/73

- sign 133.555+/-66.690 χ^2/NDF: 34.8/37

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 272.436+/-0.051 χ^2/NDF:2669049.8/19

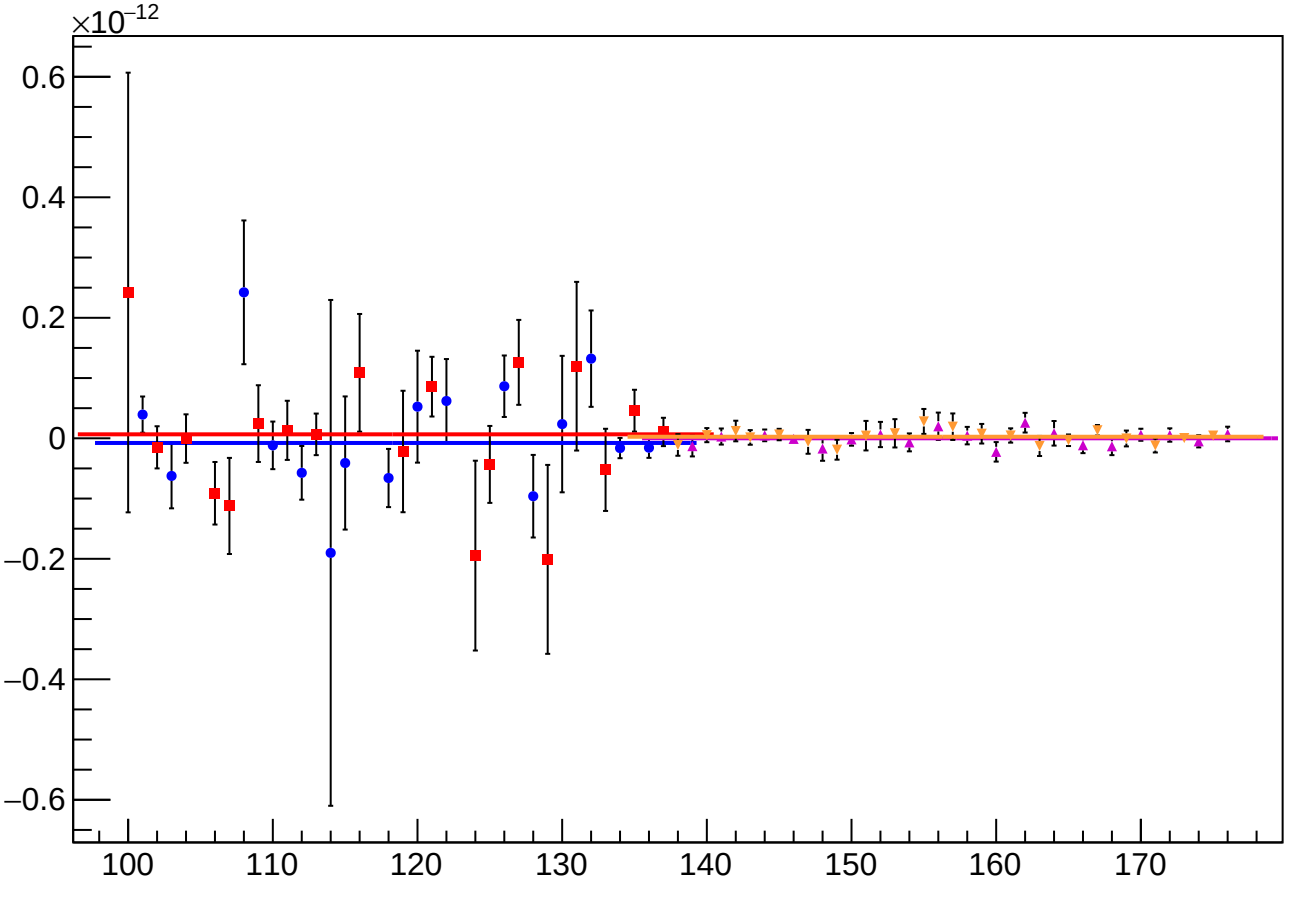
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 260.917+/-0.049 χ^2/NDF:2527448.3/18

+ sign 301.587+/-0.049 χ^2/NDF: 7253106.4/35

All: 295.737+/-0.034 χ^2/NDF: 14837006.9/73

- sign 290.243+/-0.047 χ^2/NDF: 7555872.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/19

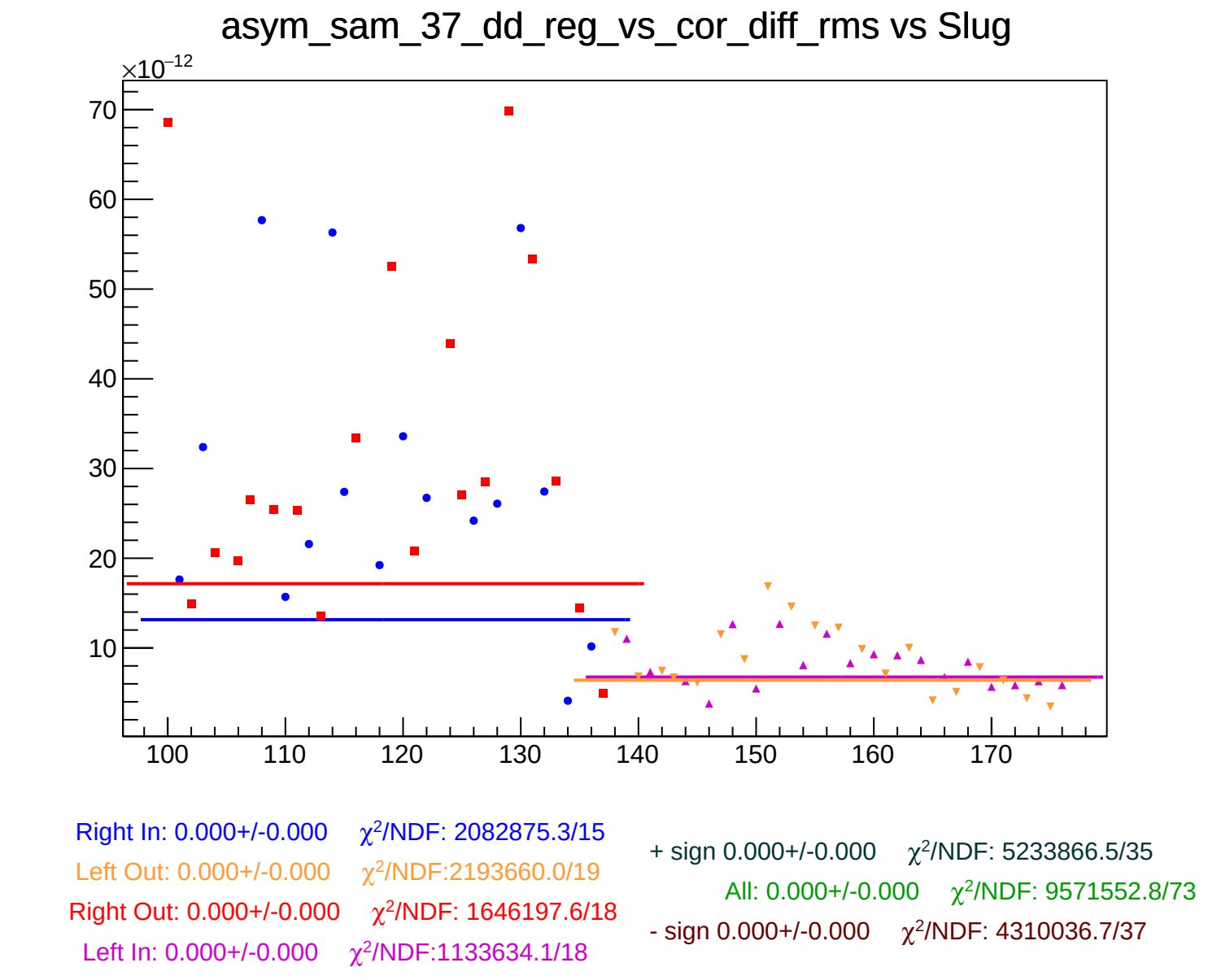
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/18

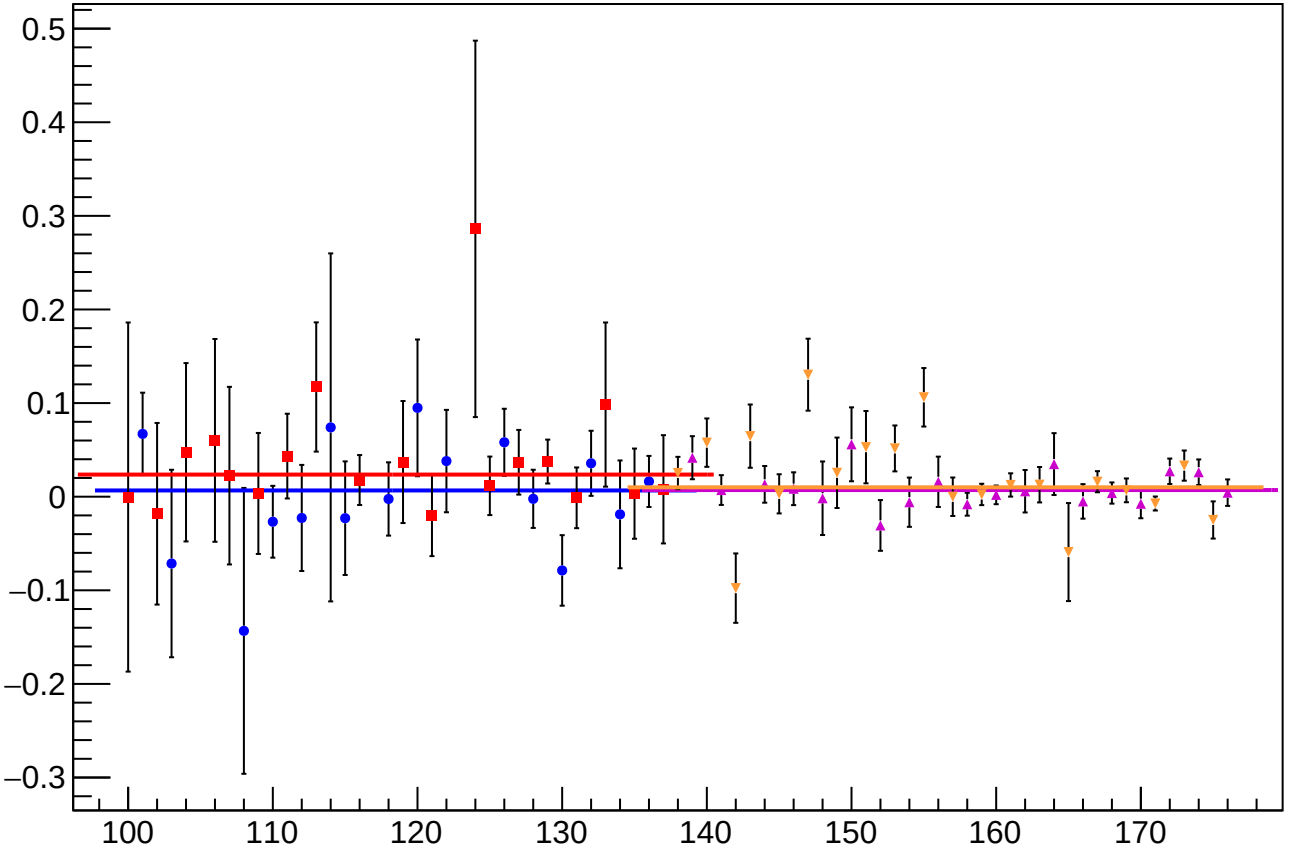
+ sign 0.000+/-0.000 χ^2/NDF: 31.8/35

All: 0.000+/-0.000 χ^2/NDF: 62.4/73

- sign 0.000+/-0.000 χ^2/NDF: 30.5/37


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2193660.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1133634.1/18
+ sign 0.000+/-0.000 χ²/NDF: 5233866.5/35
All: 0.000+/-0.000 χ²/NDF: 9571552.8/73
- sign 0.000+/-0.000 χ²/NDF: 4310036.7/37

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: 0.010+/-0.004 χ^2/NDF:52.2/19

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

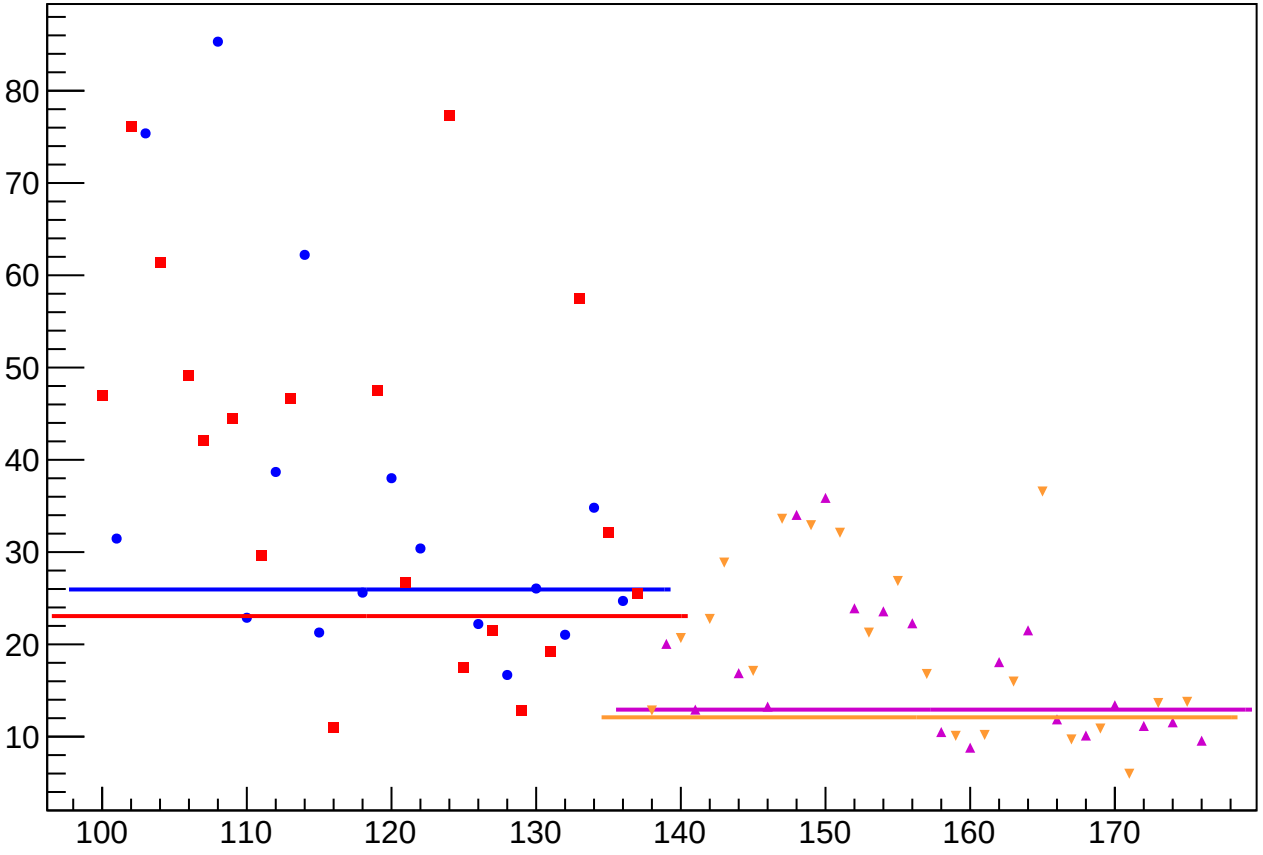
Left In: 0.007+/-0.004 χ^2/NDF:14.3/18

+ sign 0.010+/-0.004 χ^2/NDF: 67.3/35

All: 0.009+/-0.003 χ^2/NDF: 91.4/73

- sign 0.009+/-0.004 χ^2/NDF: 24.0/37

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: 12.094+/-0.003 χ^2/NDF:5712821.2/19

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

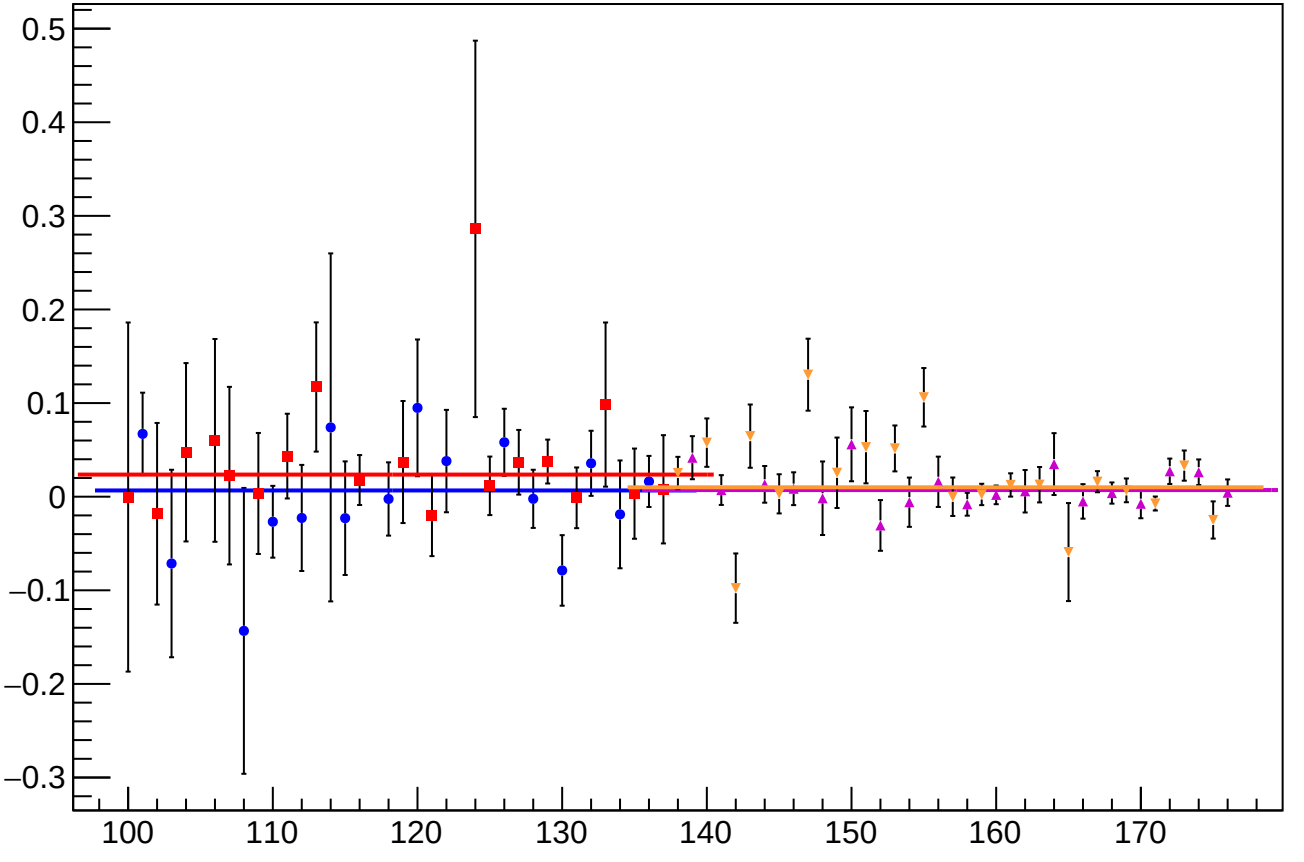
Left In: 12.928+/-0.003 χ^2/NDF:3382872.8/18

+ sign 13.507+/-0.003 χ^2/NDF: 9892972.3/35

All: 13.812+/-0.002 χ^2/NDF: 18309772.8/73

- sign 14.128+/-0.003 χ^2/NDF: 8386657.7/37

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: 0.010+/-0.004 χ^2/NDF:52.2/19

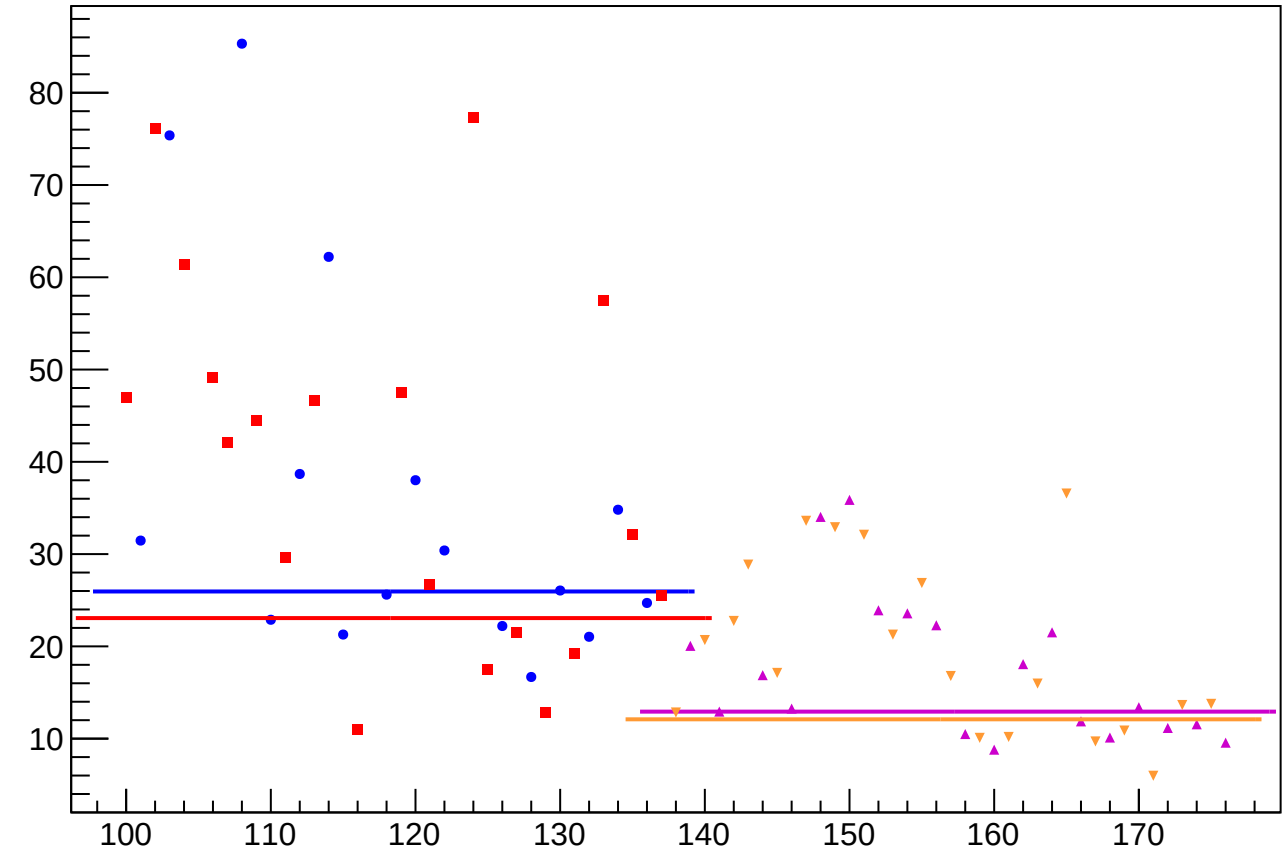
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.3/18

+ sign 0.010+/-0.004 χ^2/NDF: 67.3/35

All: 0.009+/-0.003 χ^2/NDF: 91.4/73

- sign 0.009+/-0.004 χ^2/NDF: 24.0/37



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.094+/-0.003 χ^2/NDF:5712821.2/19

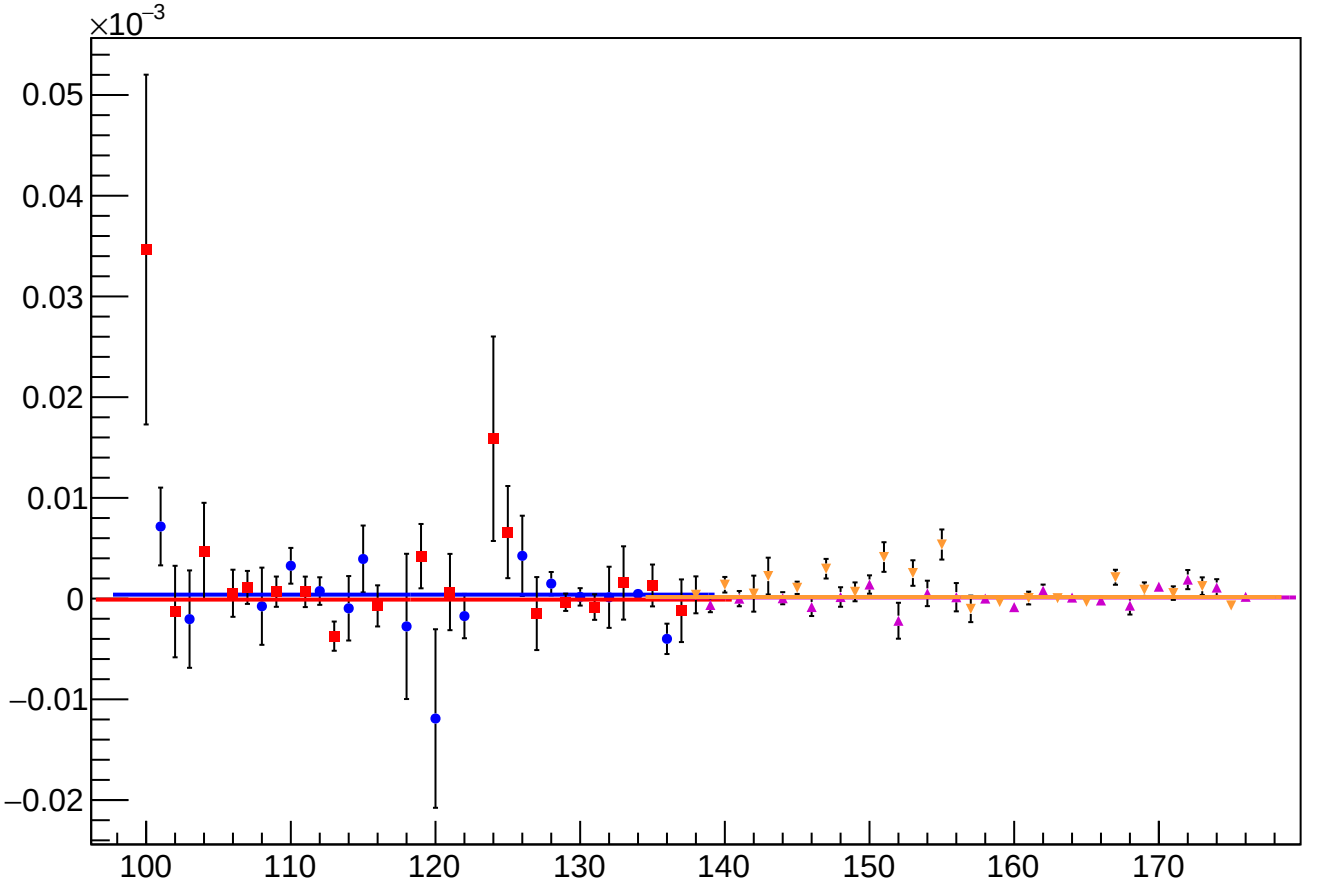
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.928+/-0.003 χ^2/NDF:3382872.8/18

+ sign 13.507+/-0.003 χ^2/NDF: 9892972.3/35

All: 13.812+/-0.002 χ^2/NDF: 18309772.8/73

- sign 14.128+/-0.003 χ^2/NDF: 8386657.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:58.7/19

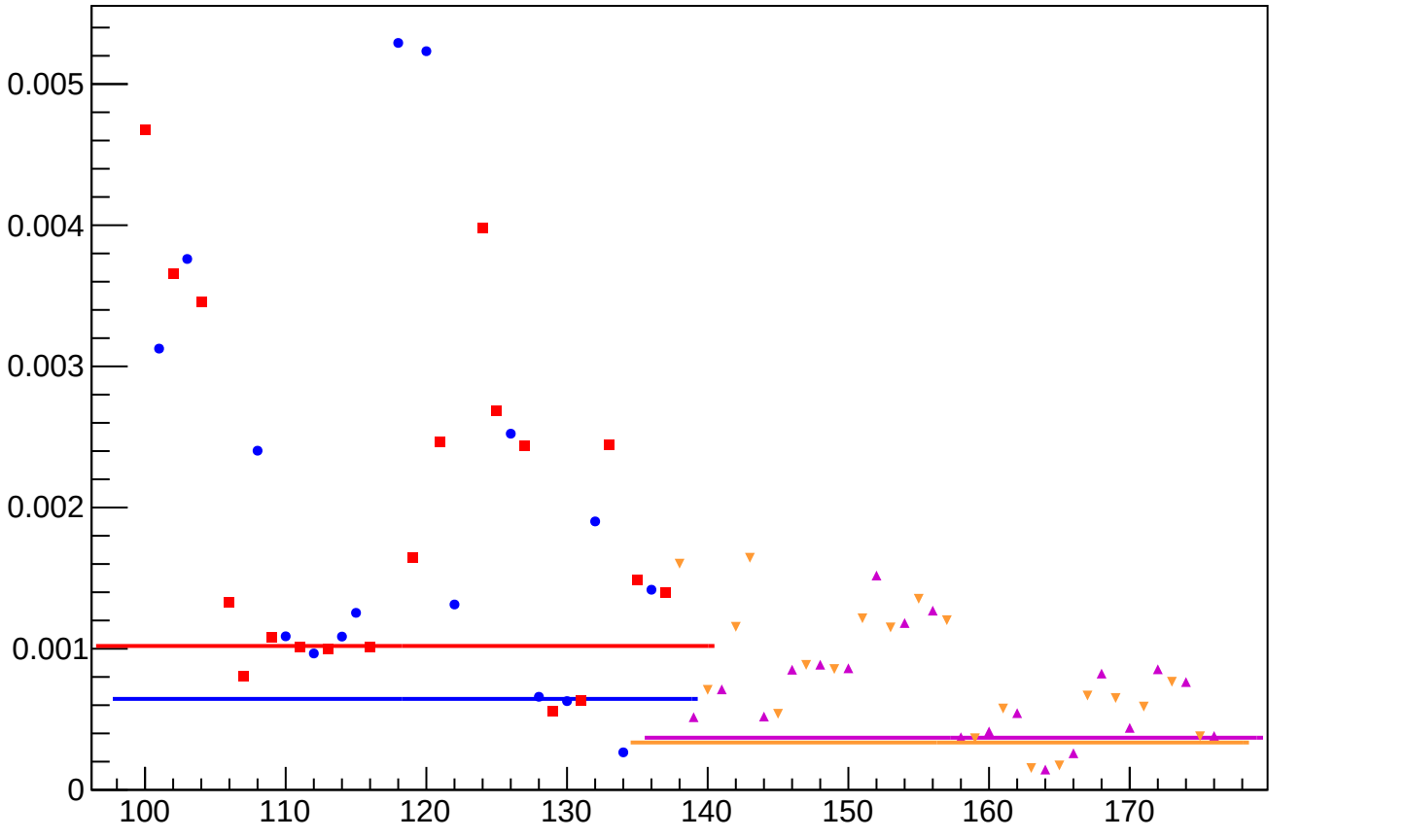
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:22.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 80.0/35

All: 0.000+/-0.000 χ^2/NDF: 123.5/73

- sign 0.000+/-0.000 χ^2/NDF: 43.2/37



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12519790.0/19

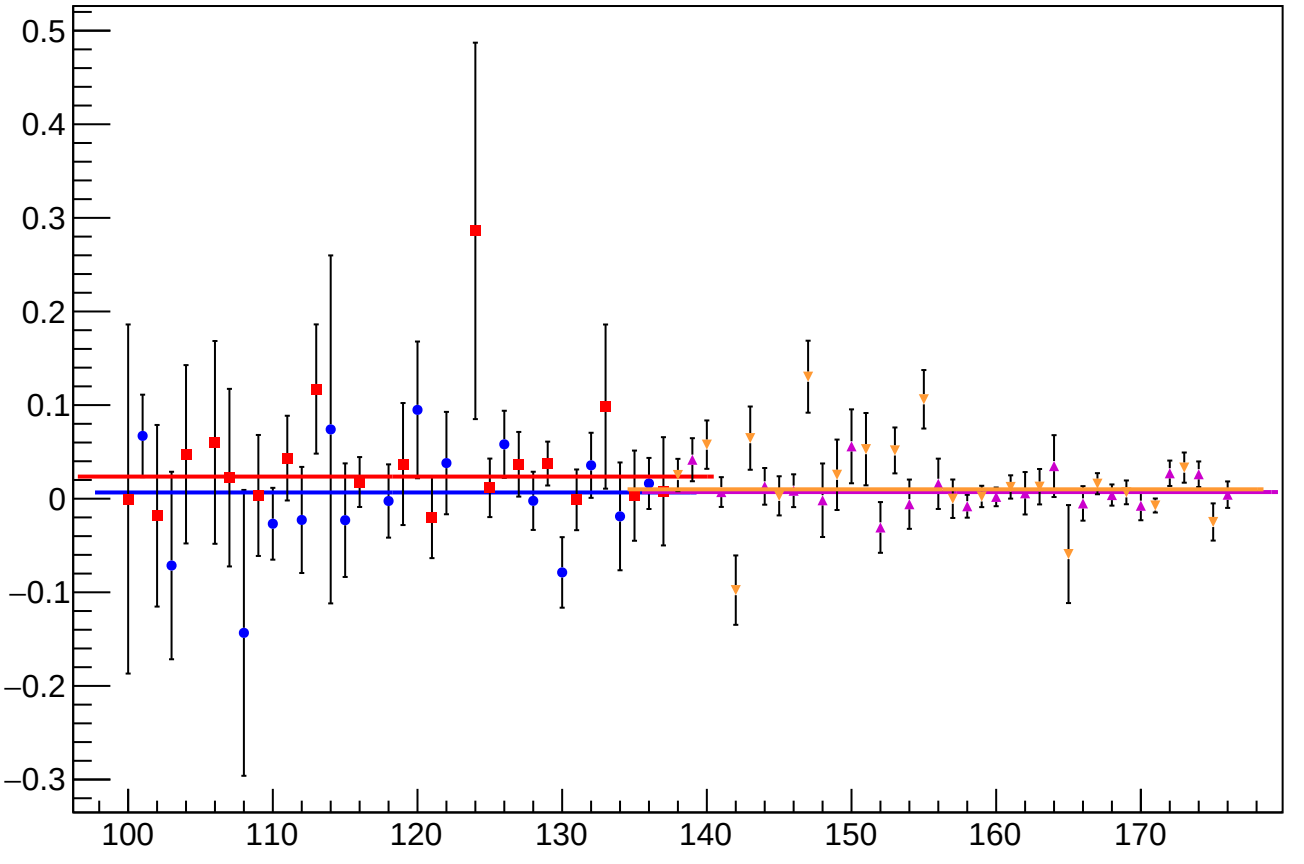
Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9599945.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 20585546.9/35

All: 0.000+/-0.000 χ^2/NDF: 37922581.1/73

- sign 0.000+/-0.000 χ^2/NDF: 17163926.8/37



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:52.2/19

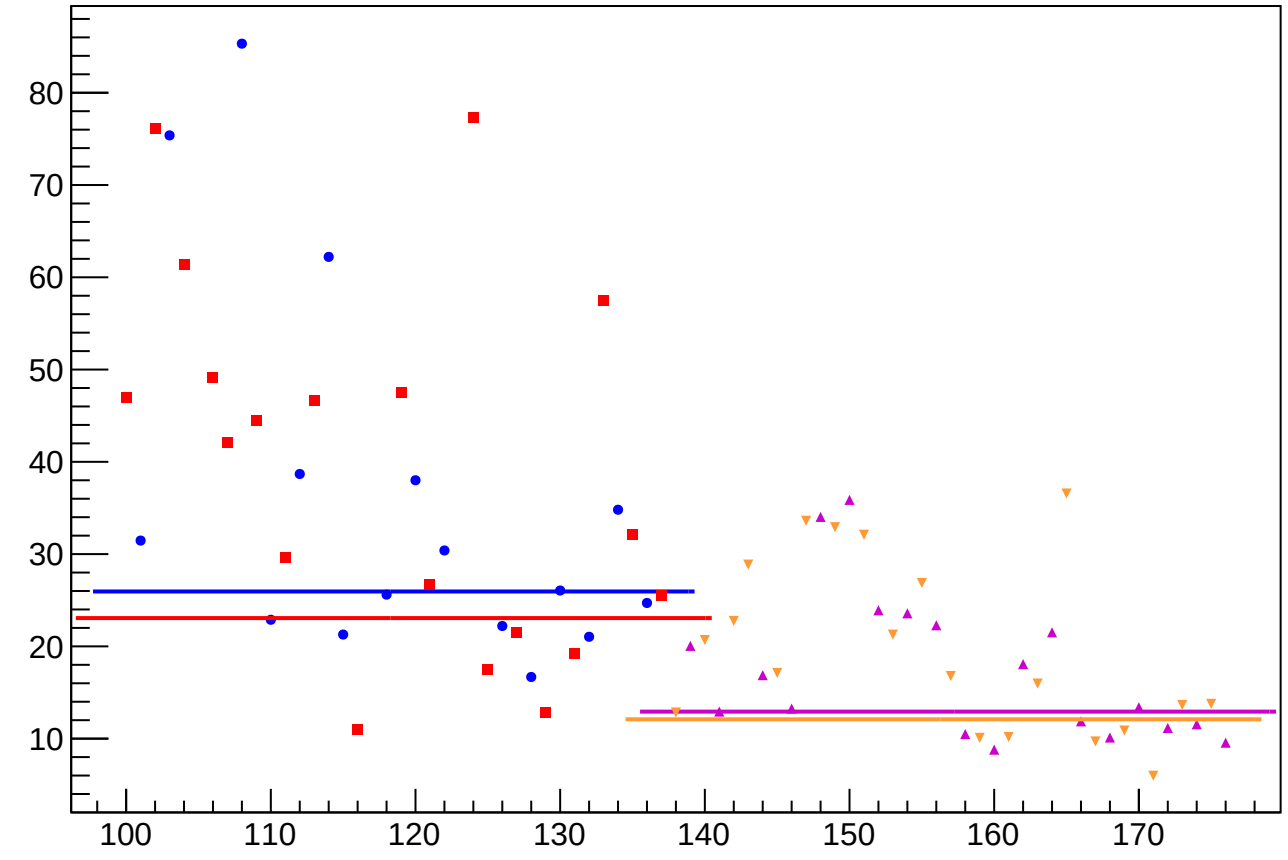
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.3/18

+ sign 0.010+/-0.004 χ^2/NDF: 67.3/35

All: 0.009+/-0.003 χ^2/NDF: 91.4/73

- sign 0.009+/-0.004 χ^2/NDF: 24.0/37



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.094+/-0.003 χ^2/NDF:5713028.5/19

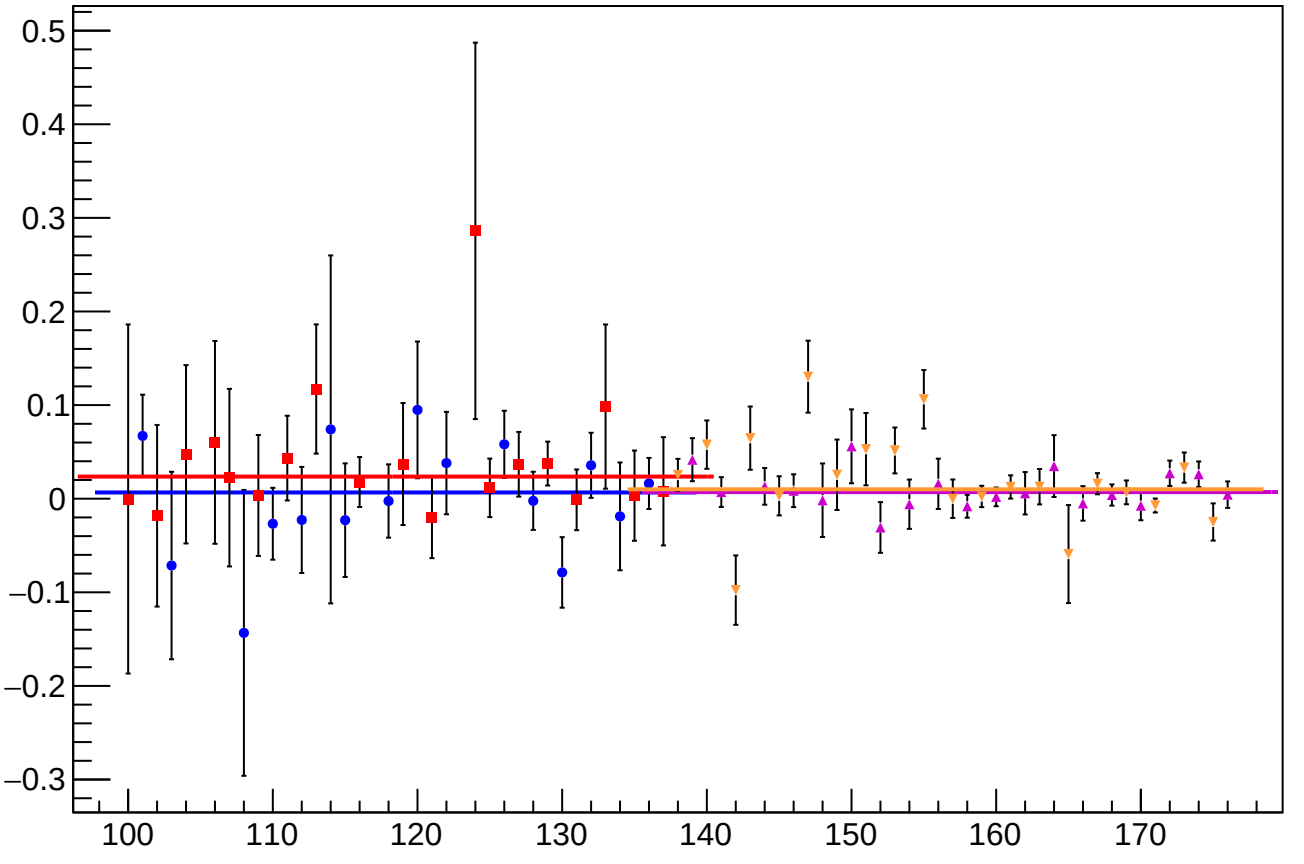
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.928+/-0.003 χ^2/NDF:3383041.3/18

+ sign 13.507+/-0.003 χ^2/NDF: 9893177.4/35

All: 13.812+/-0.002 χ^2/NDF: 18310071.7/73

- sign 14.129+/-0.003 χ^2/NDF: 8386756.3/37



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:52.2/19

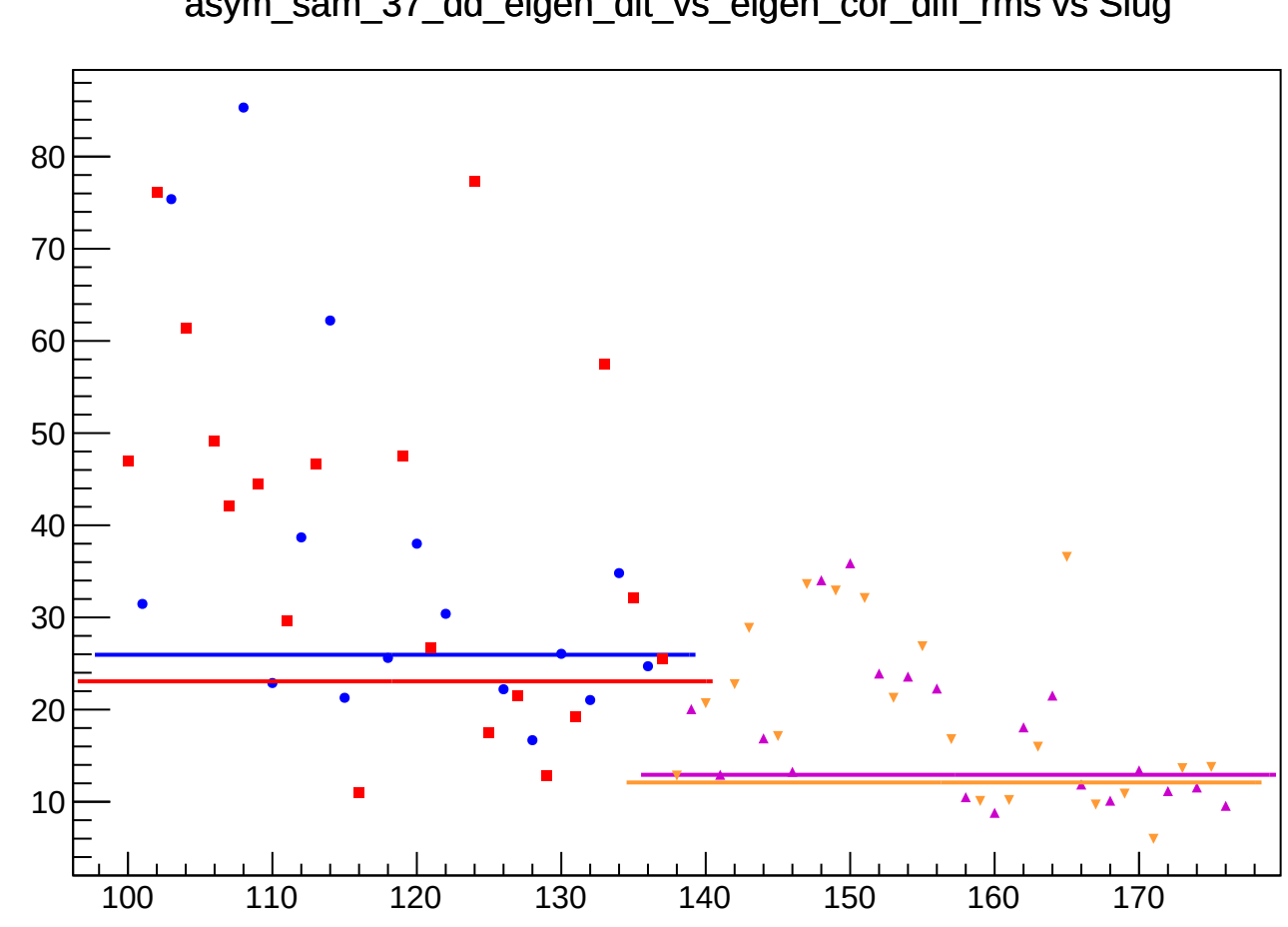
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.3/18

+ sign 0.010+/-0.004 χ^2/NDF: 67.3/35

All: 0.009+/-0.003 χ^2/NDF: 91.4/73

- sign 0.009+/-0.004 χ^2/NDF: 24.0/37



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.094+/-0.003 χ^2/NDF:5713028.5/19

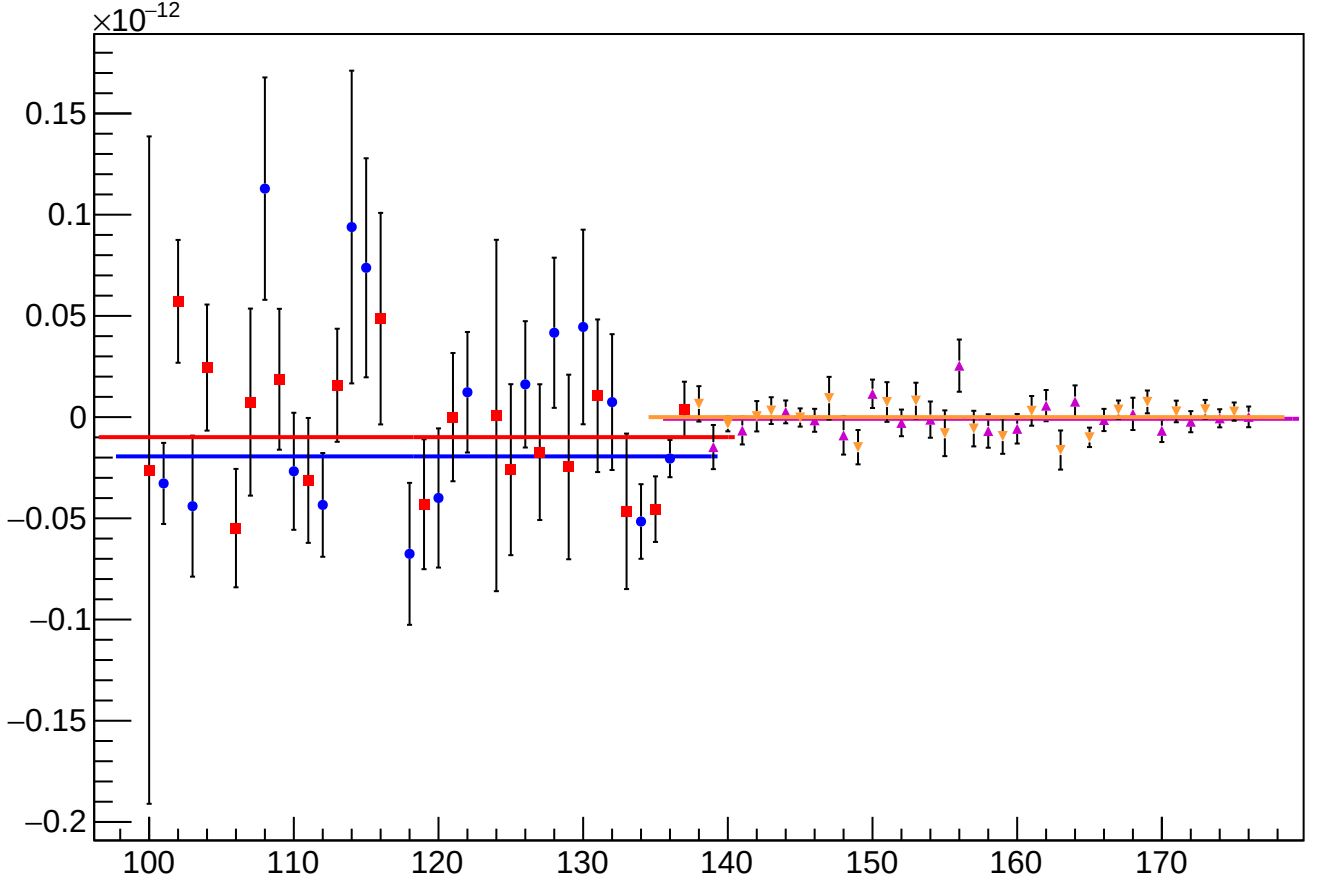
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.928+/-0.003 χ^2/NDF:3383041.3/18

\+ sign 13.507+/-0.003 χ^2/NDF: 9893177.4/35

All: 13.812+/-0.002 χ^2/NDF: 18310071.7/73

\- sign 14.129+/-0.003 χ^2/NDF: 8386756.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/19

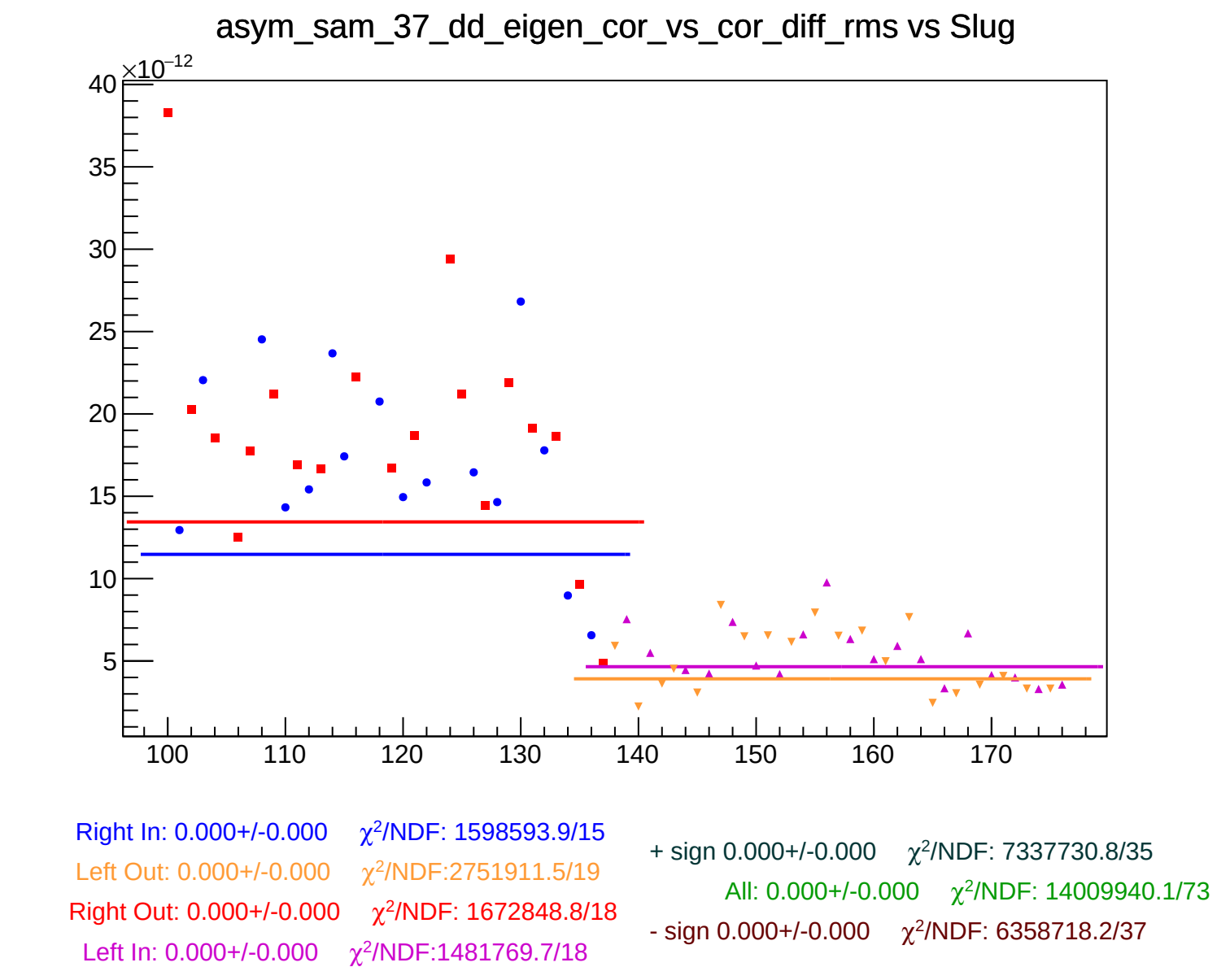
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/18

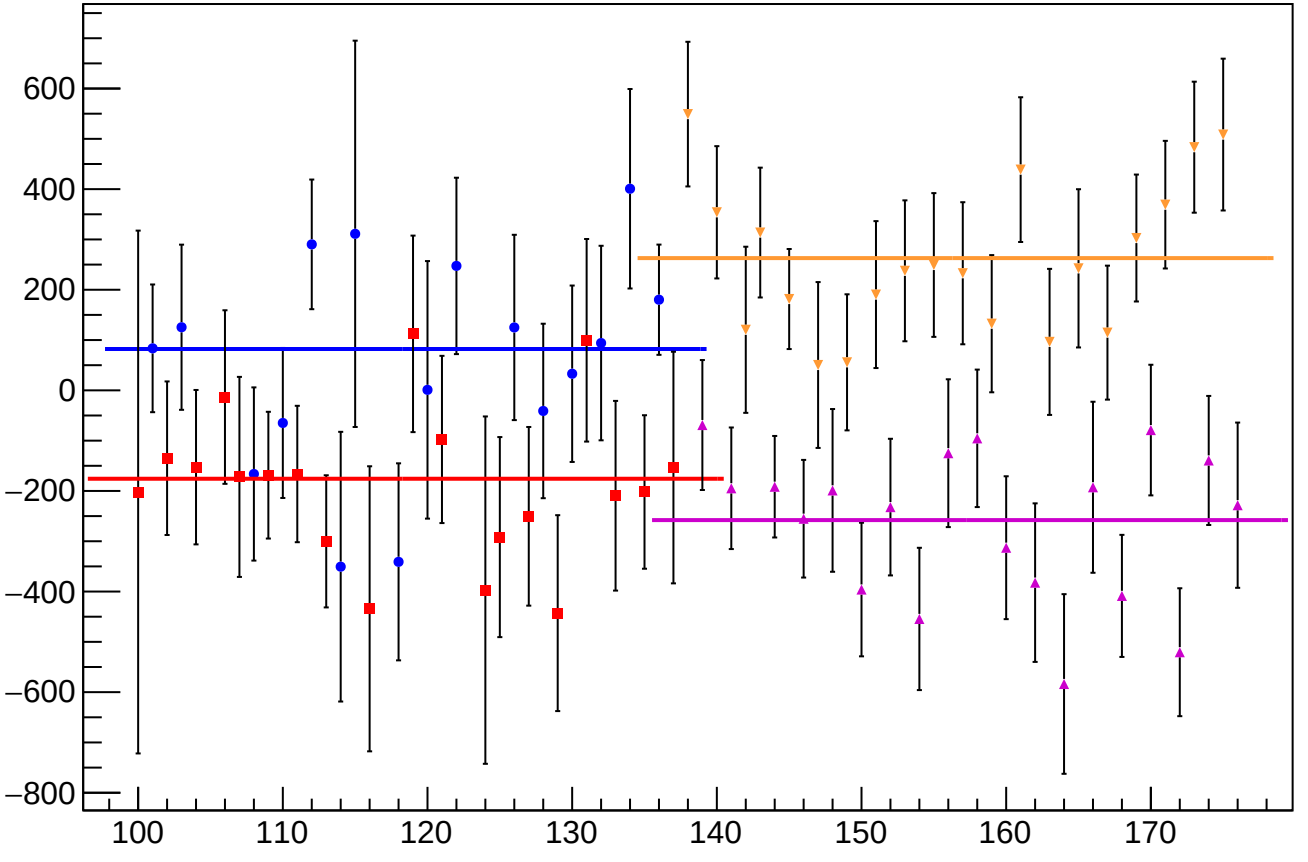
+ sign -0.000+/-0.000 χ^2/NDF: 55.5/35

All: -0.000+/-0.000 χ^2/NDF: 92.5/73

- sign -0.000+/-0.000 χ^2/NDF: 37.0/37


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2751911.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:1481769.7/18
+ sign 0.000+/-0.000 χ²/NDF: 7337730.8/35
All: 0.000+/-0.000 χ²/NDF: 14009940.1/73
- sign 0.000+/-0.000 χ²/NDF: 6358718.2/37

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 262.905+/-30.620 χ^2/NDF:21.7/19

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

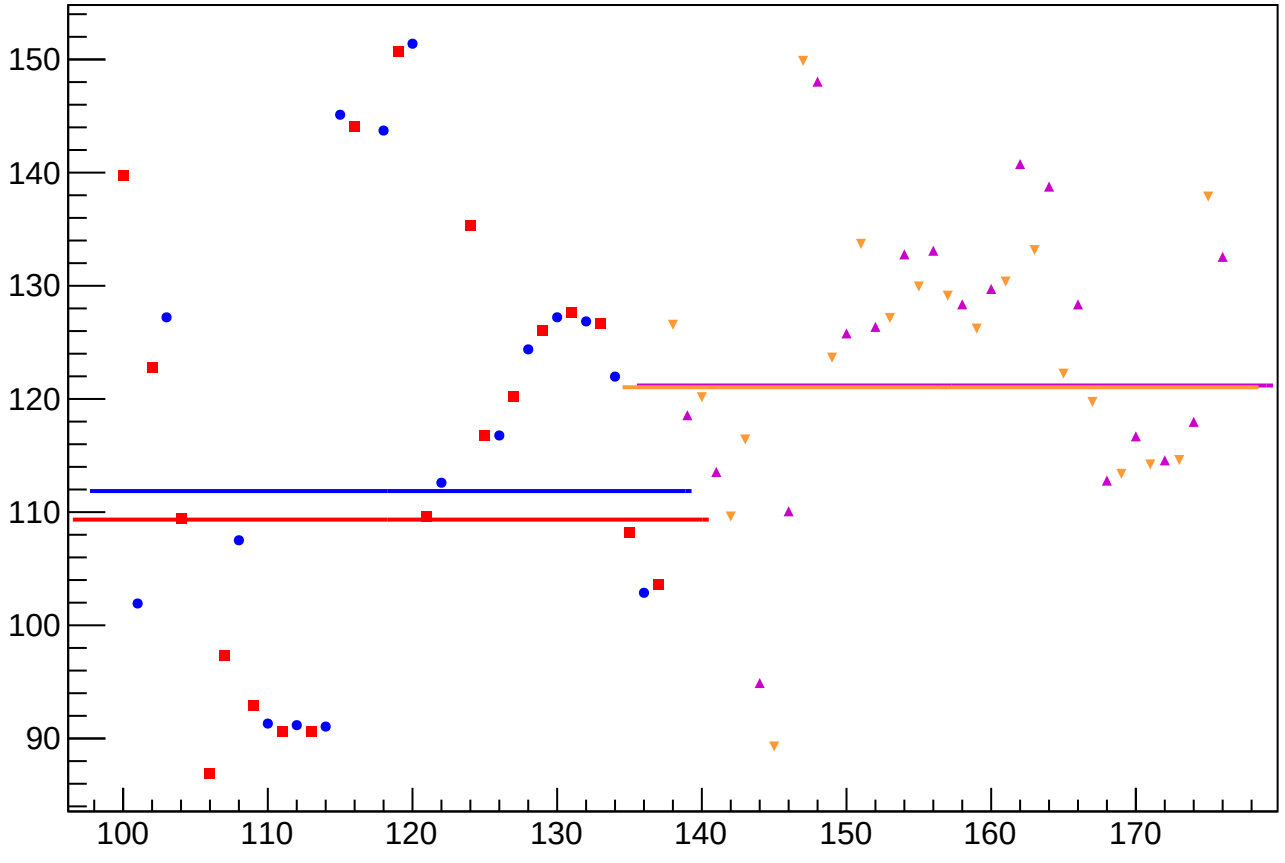
Left In: -257.947+/-30.988 χ^2/NDF:21.1/18

+ sign 200.449+/-24.770 χ^2/NDF: 52.1/35

All: -14.696+/-17.472 χ^2/NDF: 235.8/73

- sign -227.751+/-24.649 χ^2/NDF: 33.6/37

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.032+/-0.022 χ^2/NDF:382599.8/19

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

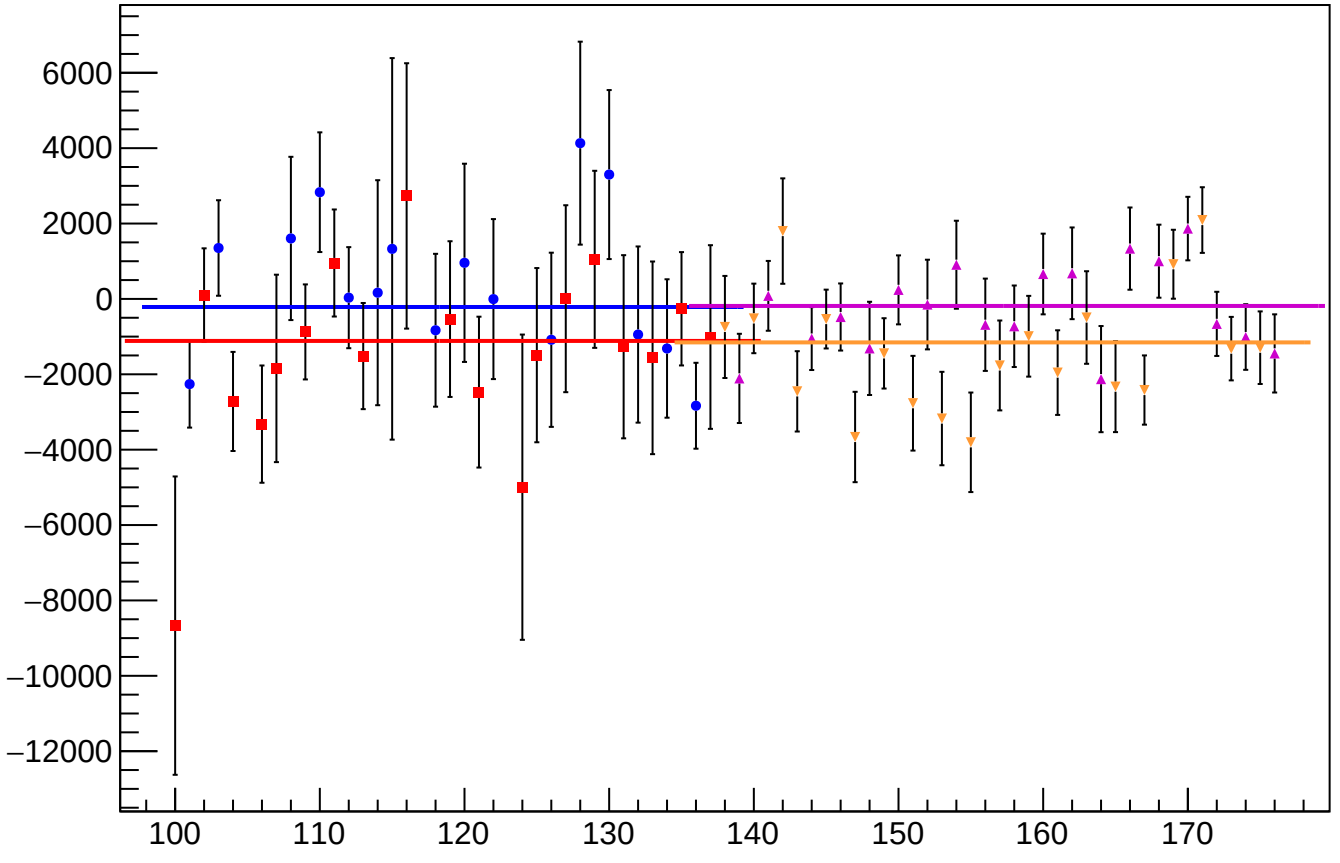
Left In: 121.190+/-0.022 χ^2/NDF:344315.9/18

+ sign 117.863+/-0.018 χ^2/NDF: 750623.4/35

All: 117.348+/-0.012 χ^2/NDF: 1571290.2/73

- sign 116.838+/-0.017 χ^2/NDF: 818945.3/37

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1153.770+/-233.383 χ^2/NDF:43.0/19

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

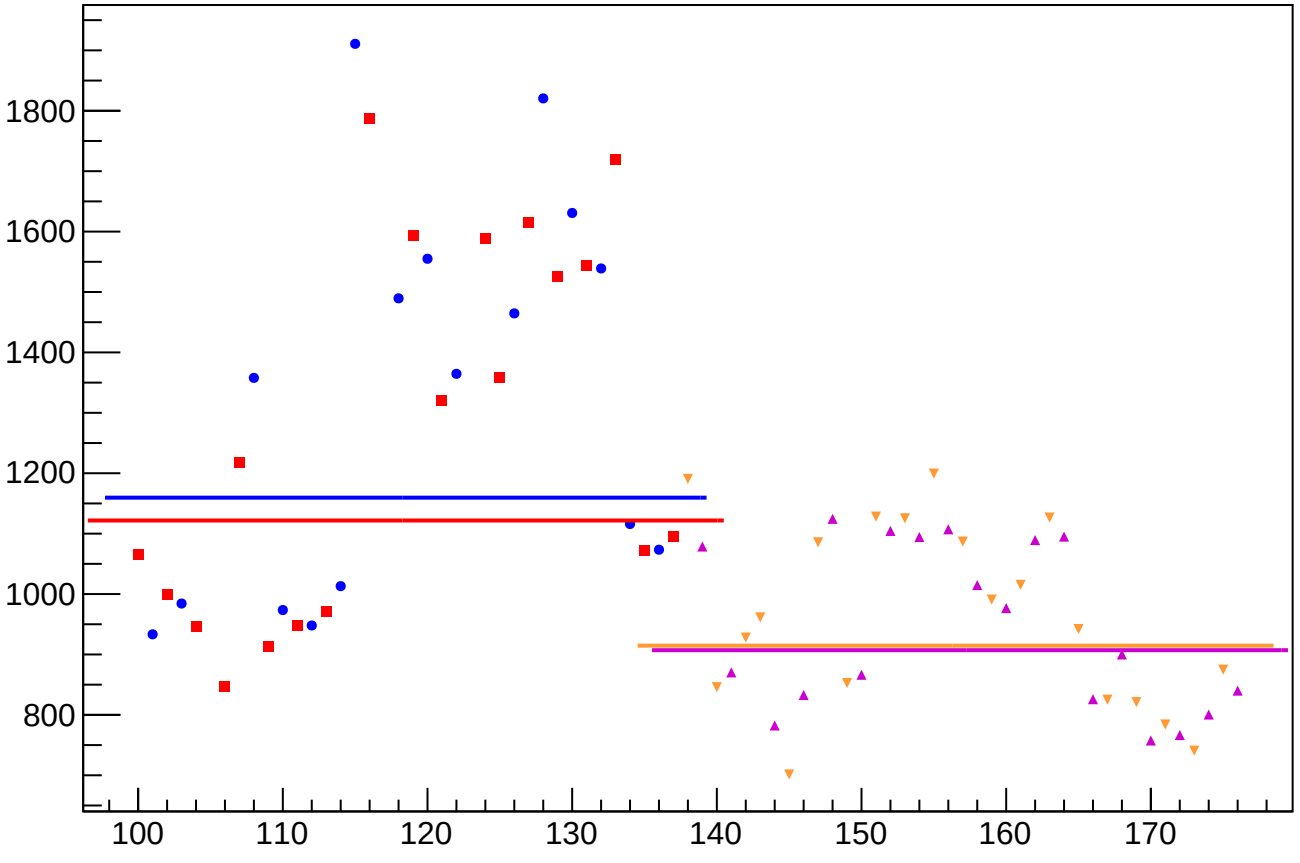
Left In: -186.542+/-233.235 χ^2/NDF:21.3/18

+ sign -950.340+/-206.579 χ^2/NDF: 66.9/35

All: -673.518+/-145.243 χ^2/NDF: 110.0/73

- sign -402.904+/-204.249 χ^2/NDF: 39.6/37

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 914.613+/-0.165 χ^2/NDF:807670.6/19

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

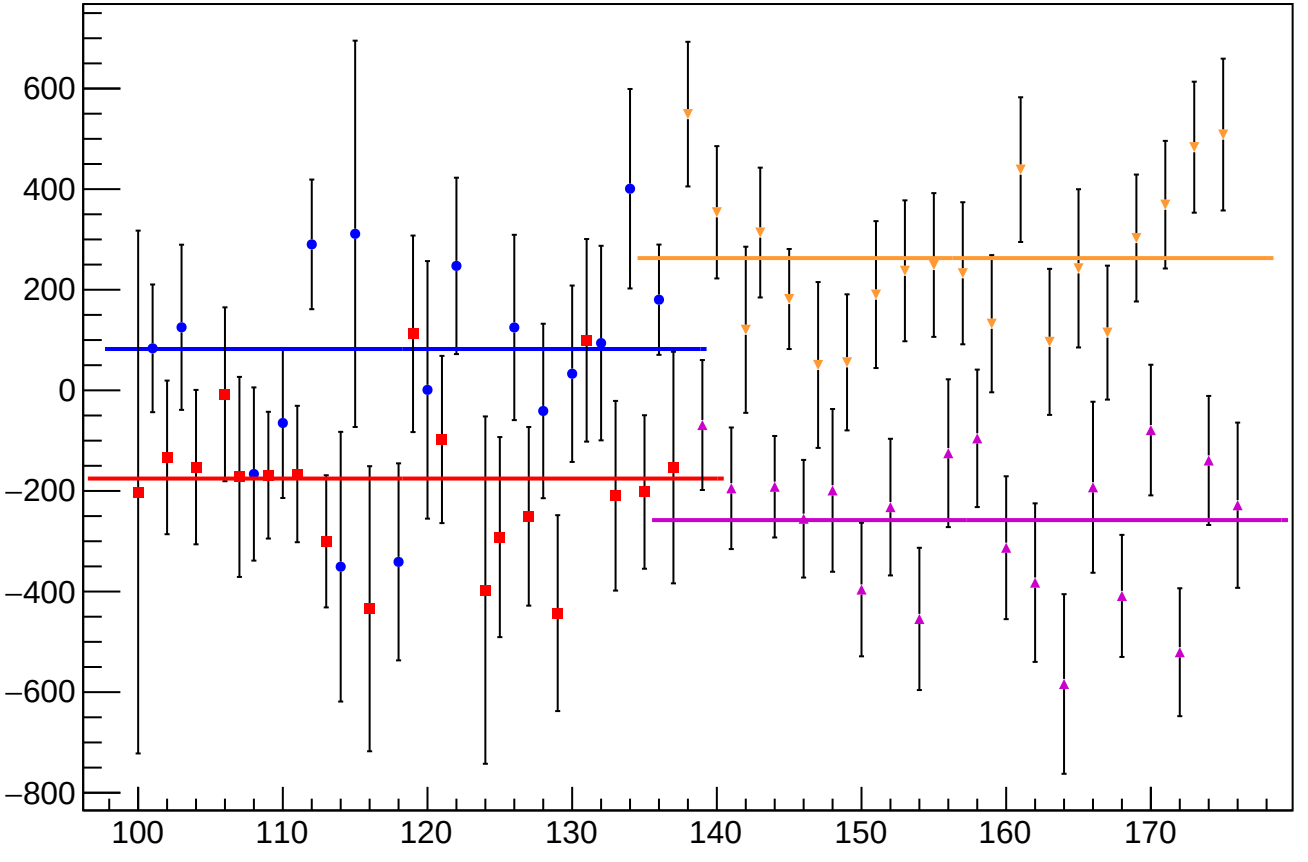
Left In: 907.063+/-0.165 χ^2/NDF:605197.0/18

+ sign 967.648+/-0.146 χ^2/NDF: 1968389.1/35

All: 962.319+/-0.103 χ^2/NDF: 3753513.6/73

- sign 957.109+/-0.144 χ^2/NDF: 1782492.3/37

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 262.907+/-30.620 χ^2/NDF:21.6/19

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

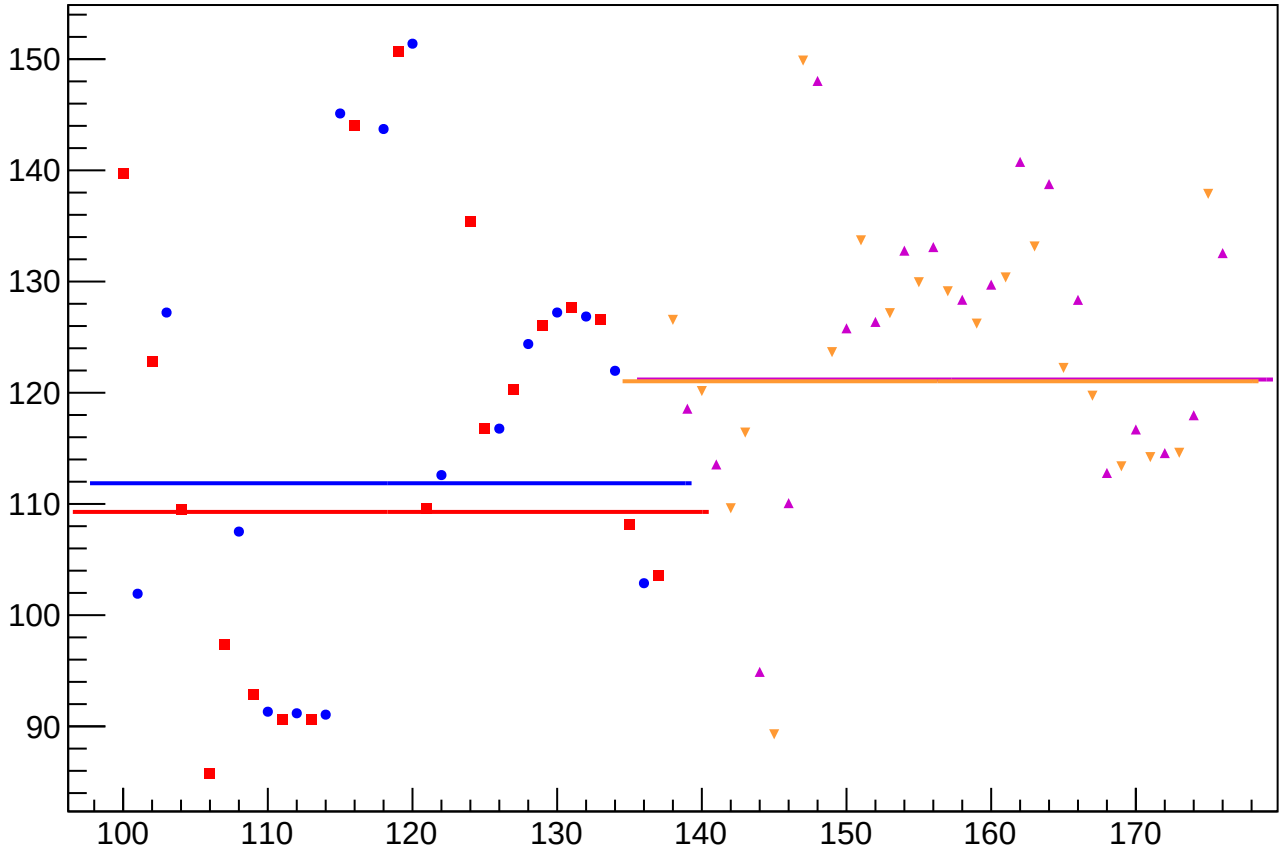
Left In: -257.950+/-30.988 χ^2/NDF:21.1/18

+ sign 200.446+/-24.770 χ^2/NDF: 52.1/35

All: -14.617+/-17.472 χ^2/NDF: 235.8/73

- sign -227.613+/-24.650 χ^2/NDF: 33.6/37

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.032+/-0.022 χ^2/NDF:382599.7/19

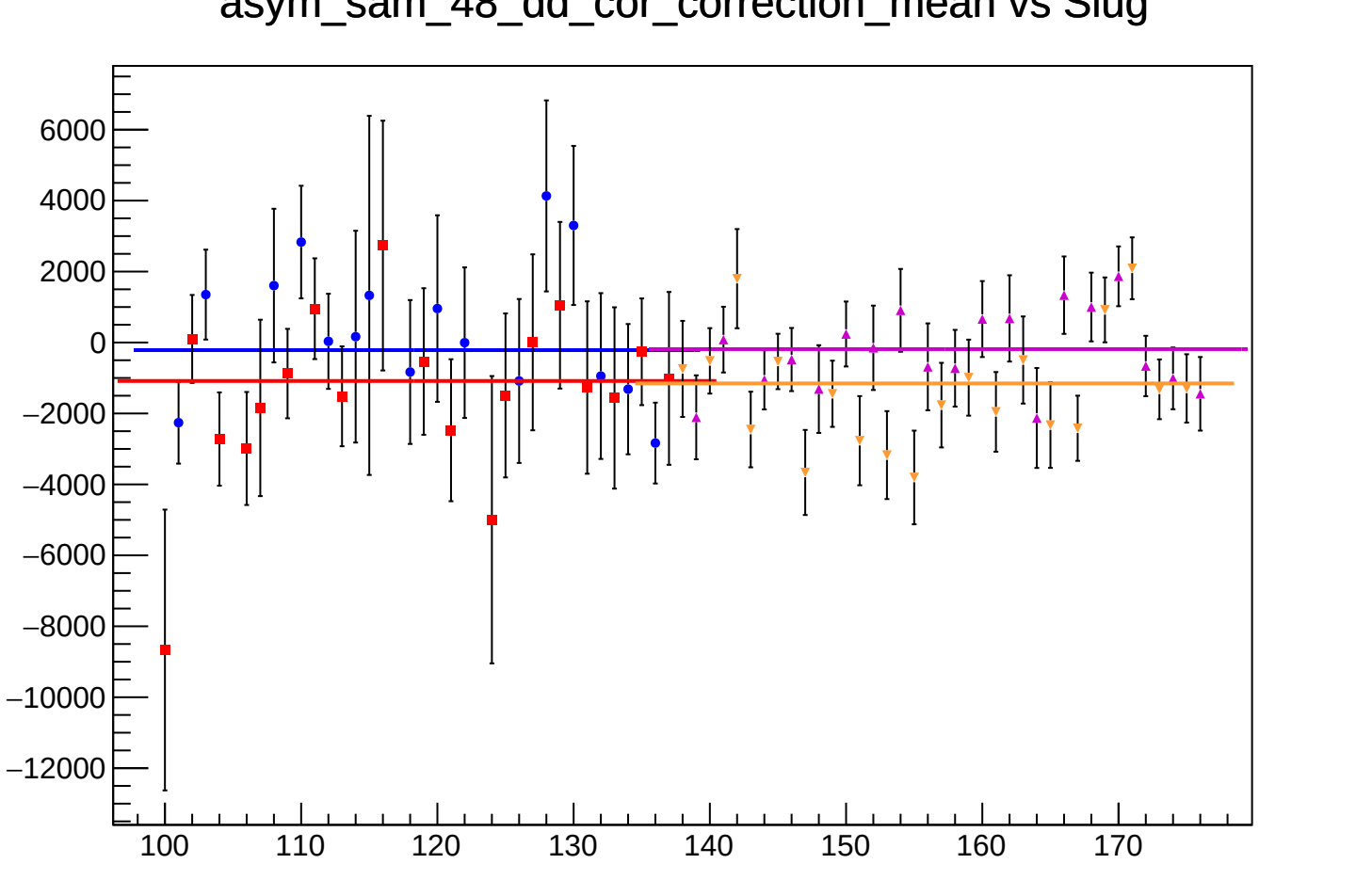
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.190+/-0.022 χ^2/NDF:344315.9/18

+ sign 117.863+/-0.018 χ^2/NDF: 750624.2/35

All: 117.338+/-0.012 χ^2/NDF: 1575851.2/73

- sign 116.818+/-0.017 χ^2/NDF: 823438.2/37



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1153.768+/-233.383 χ^2/NDF:43.0/19

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

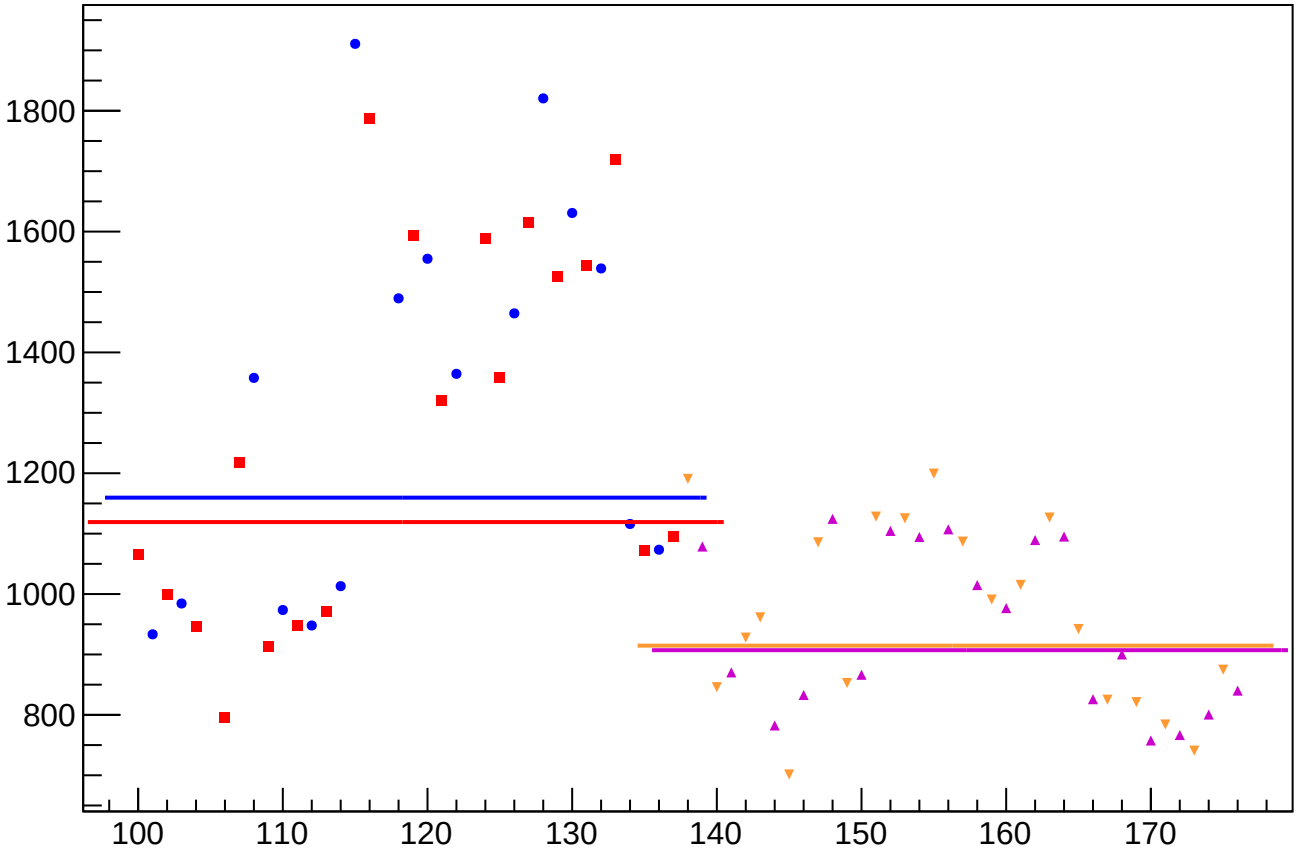
Left In: -186.547+/-233.235 χ^2/NDF:21.3/18

+ sign -950.361+/-206.579 χ^2/NDF: 66.9/35

All: -669.736+/-145.272 χ^2/NDF: 109.2/73

- sign -395.182+/-204.332 χ^2/NDF: 38.7/37

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 914.613+/-0.165 χ^2/NDF:807670.4/19

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

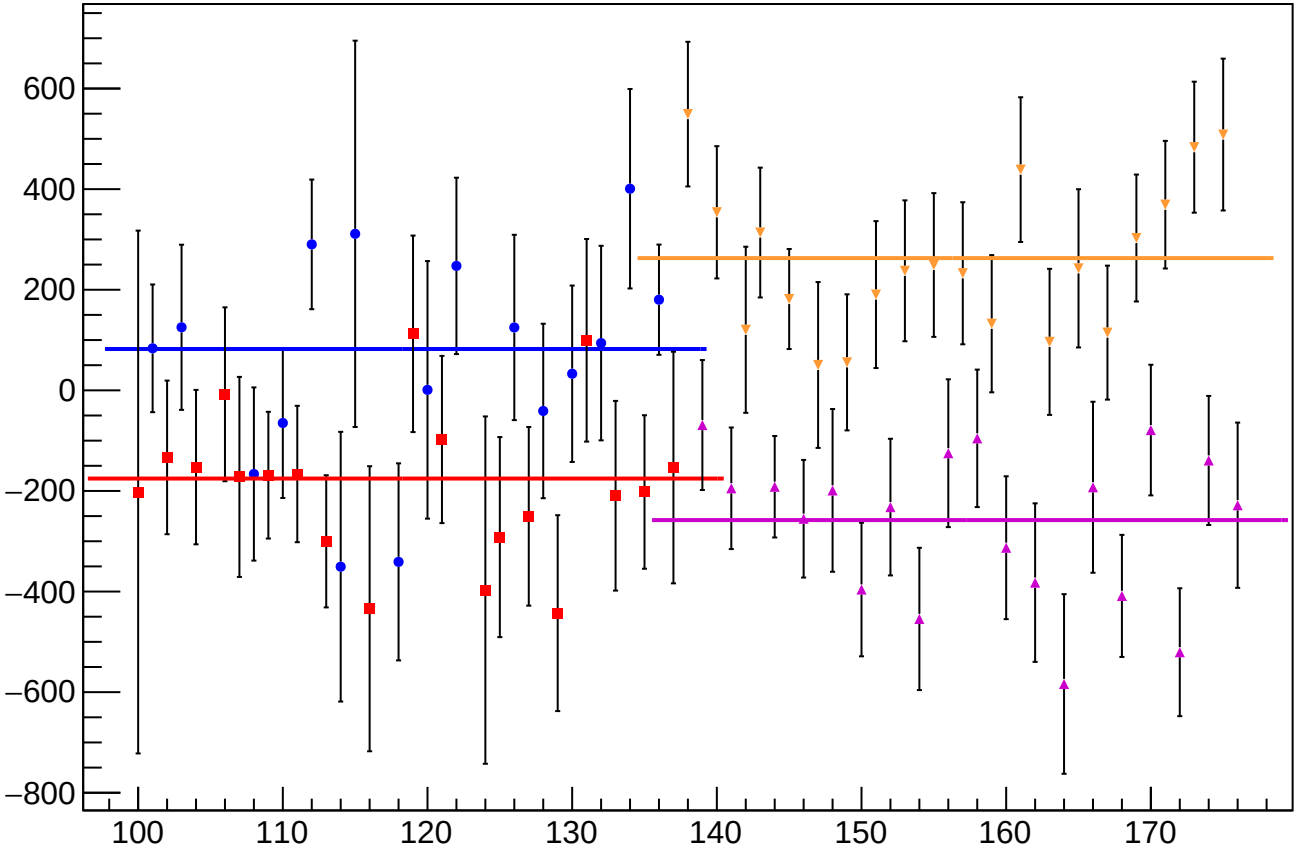
Left In: 907.063+/-0.165 χ^2/NDF:605197.2/18

+ sign 967.649+/-0.146 χ^2/NDF: 1968390.0/35

All: 961.949+/-0.103 χ^2/NDF: 3764254.0/73

- sign 956.372+/-0.144 χ^2/NDF: 1792851.4/37

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 262.907+/-30.620 χ^2/NDF:21.6/19

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

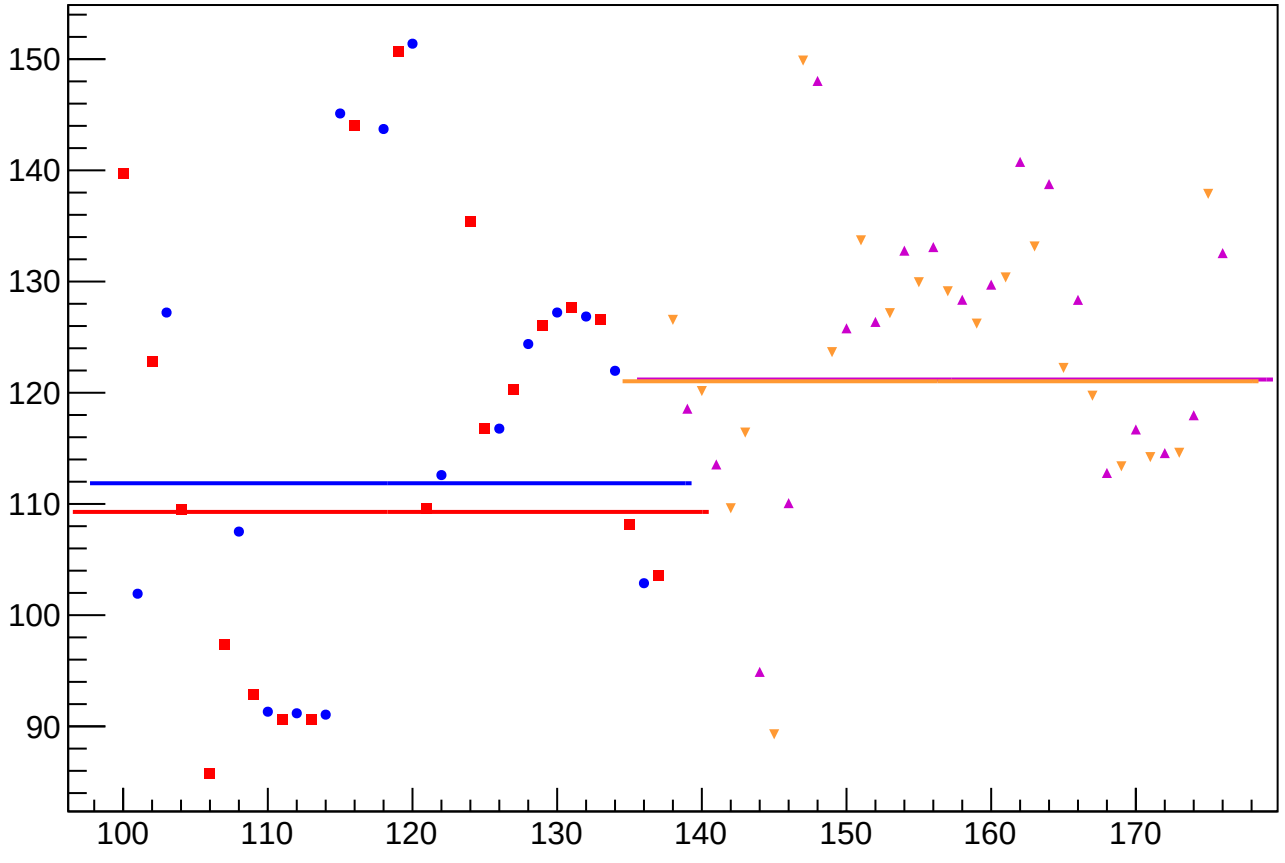
Left In: -257.950+/-30.988 χ^2/NDF:21.1/18

+ sign 200.446+/-24.770 χ^2/NDF: 52.1/35

All: -14.617+/-17.472 χ^2/NDF: 235.8/73

- sign -227.613+/-24.650 χ^2/NDF: 33.6/37

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.032+/-0.022 χ^2/NDF:382599.7/19

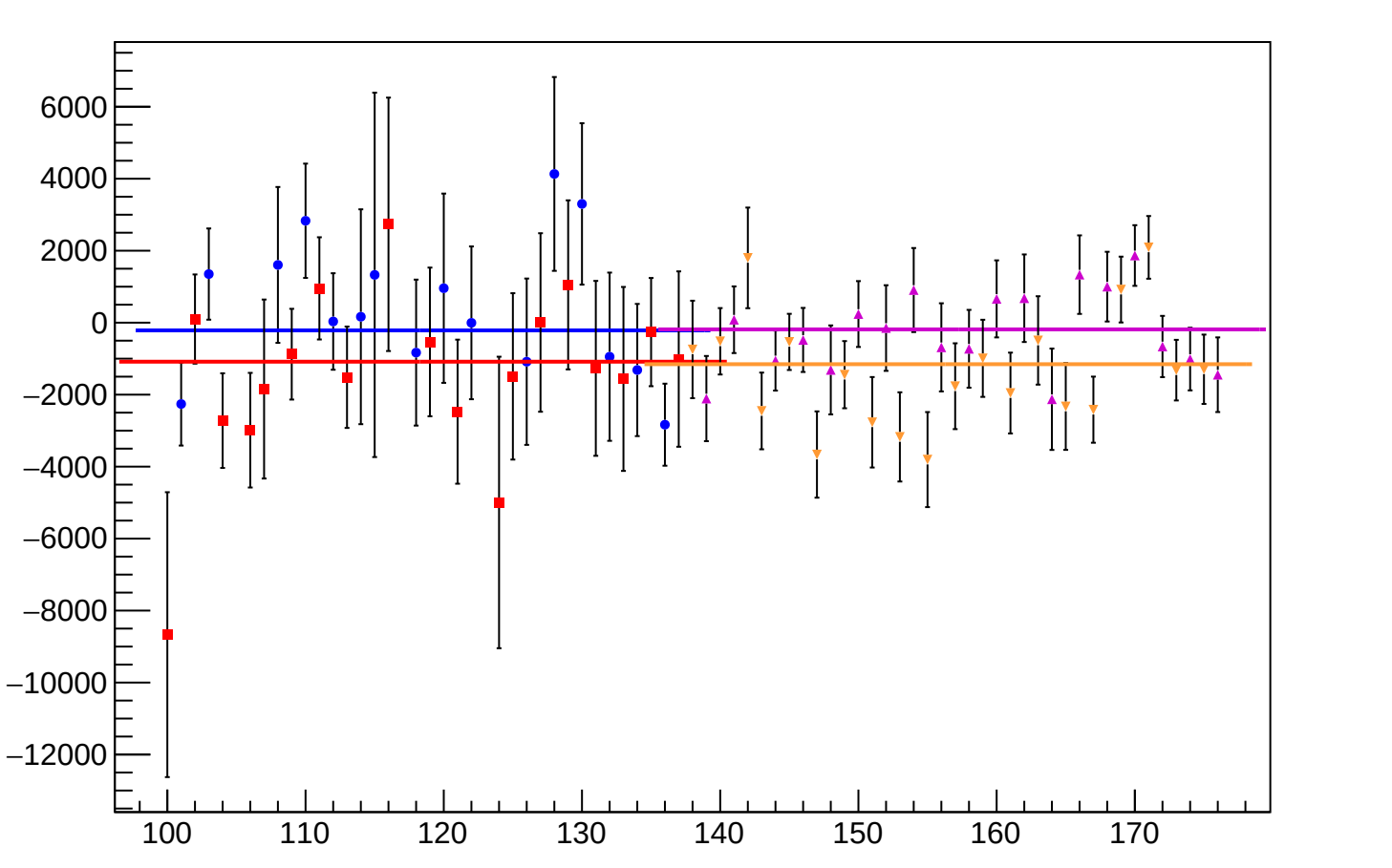
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.190+/-0.022 χ^2/NDF:344315.9/18

+ sign 117.863+/-0.018 χ^2/NDF: 750624.2/35

All: 117.338+/-0.012 χ^2/NDF: 1575851.2/73

- sign 116.818+/-0.017 χ^2/NDF: 823438.2/37



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1153.768+/-233.383 χ^2/NDF:43.0/19

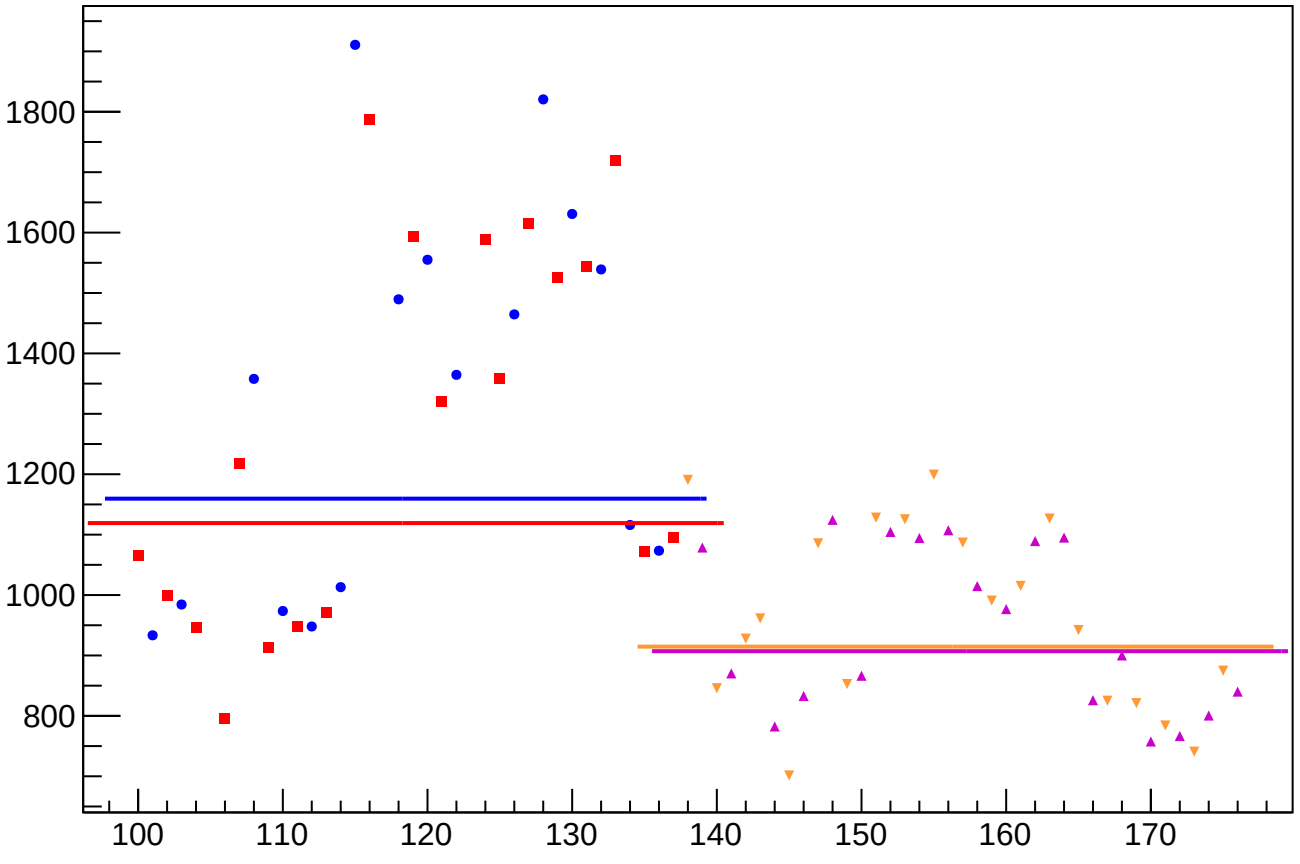
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -186.547+/-233.235 χ^2/NDF:21.3/18

+ sign -950.361+/-206.579 χ^2/NDF: 66.9/35

All: -669.736+/-145.272 χ^2/NDF: 109.2/73

- sign -395.182+/-204.332 χ^2/NDF: 38.7/37



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 914.613+/-0.165 χ^2/NDF:807670.4/19

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

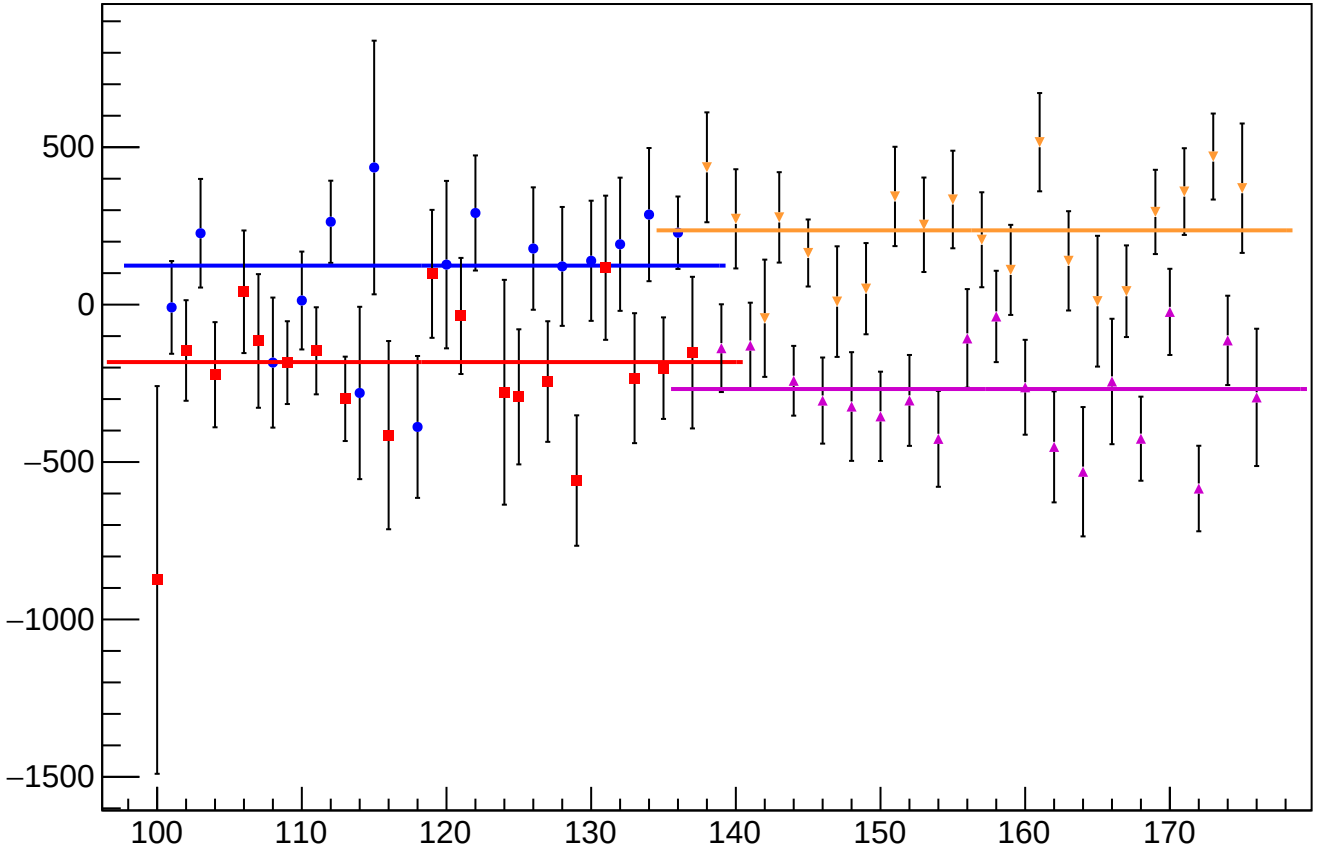
Left In: 907.063+/-0.165 χ^2/NDF:605197.2/18

+ sign 967.649+/-0.146 χ^2/NDF: 1968390.0/35

All: 961.949+/-0.103 χ^2/NDF: 3764254.0/73

- sign 956.372+/-0.144 χ^2/NDF: 1792851.4/37

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 235.913+/-33.802 χ^2/NDF:20.0/19

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

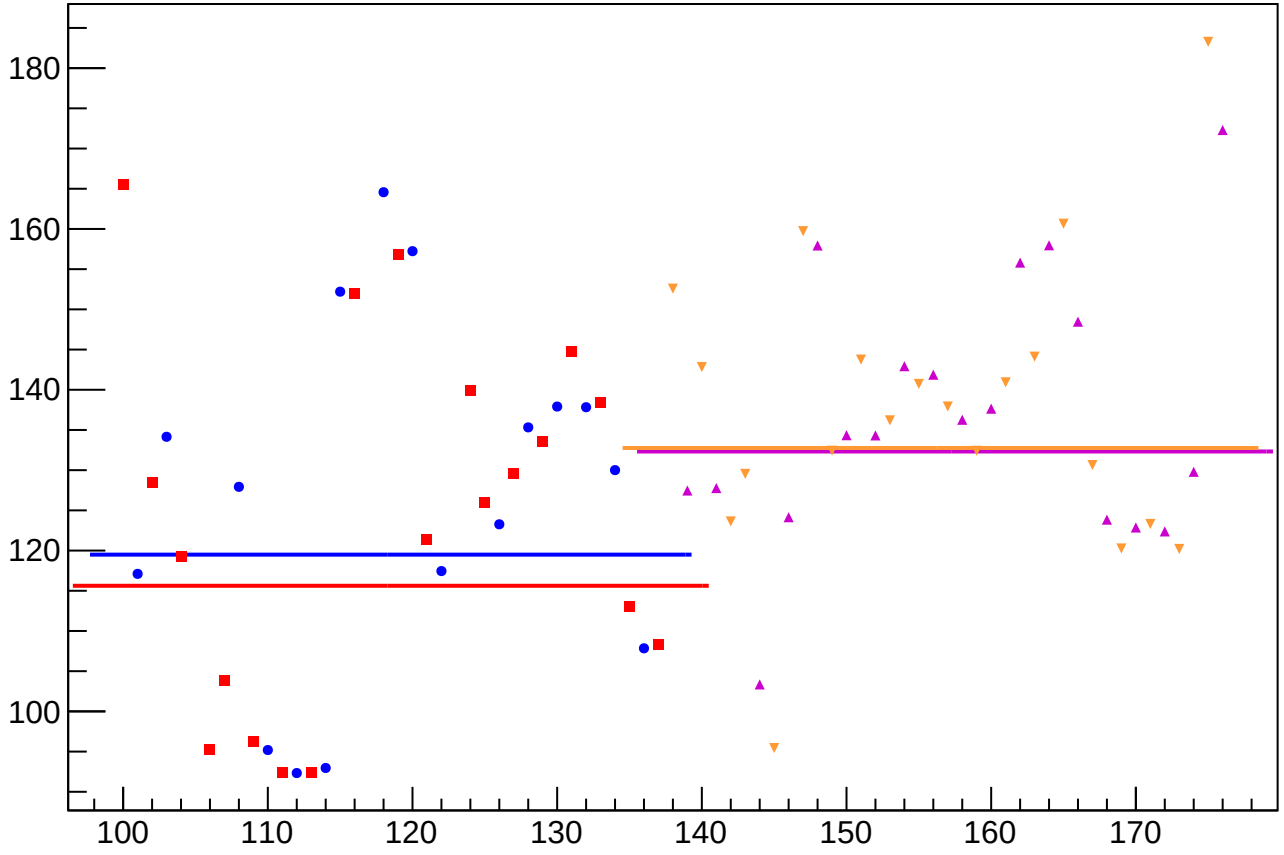
Left In: -268.071+/-34.055 χ^2/NDF:21.2/18

+ sign 195.777+/-27.078 χ^2/NDF: 39.4/35

All: -22.380+/-19.030 χ^2/NDF: 203.5/73

- sign -235.285+/-26.750 χ^2/NDF: 35.9/37

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 132.761+/-0.024 χ^2/NDF:567888.1/19

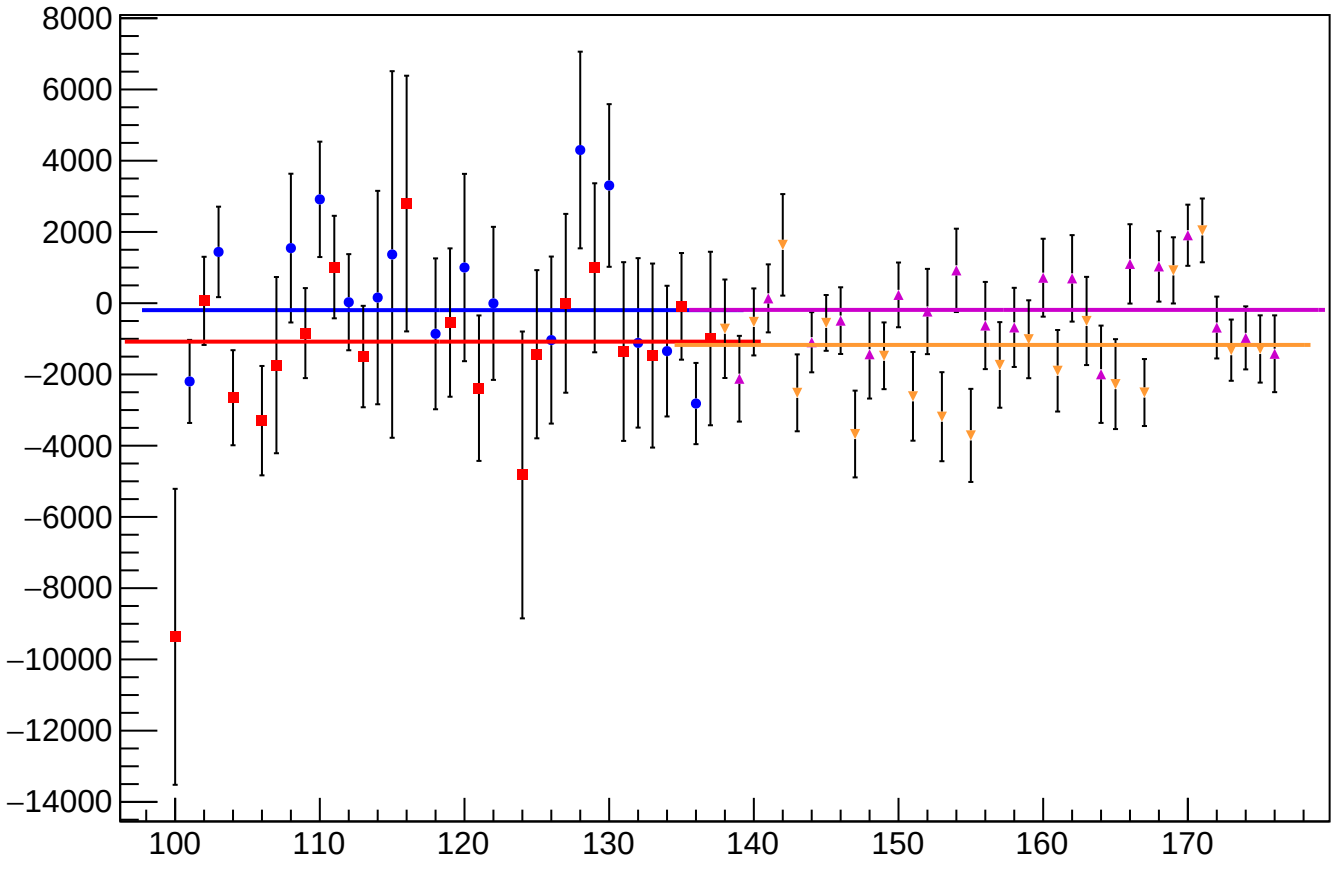
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 132.324+/-0.024 χ^2/NDF:390438.1/18

+ sign 128.008+/-0.019 χ^2/NDF: 1058519.7/35

All: 126.955+/-0.013 χ^2/NDF: 2066144.4/73

- sign 125.927+/-0.019 χ^2/NDF: 1001645.6/37



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1171.469+/-236.333 χ^2/NDF:40.4/19

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

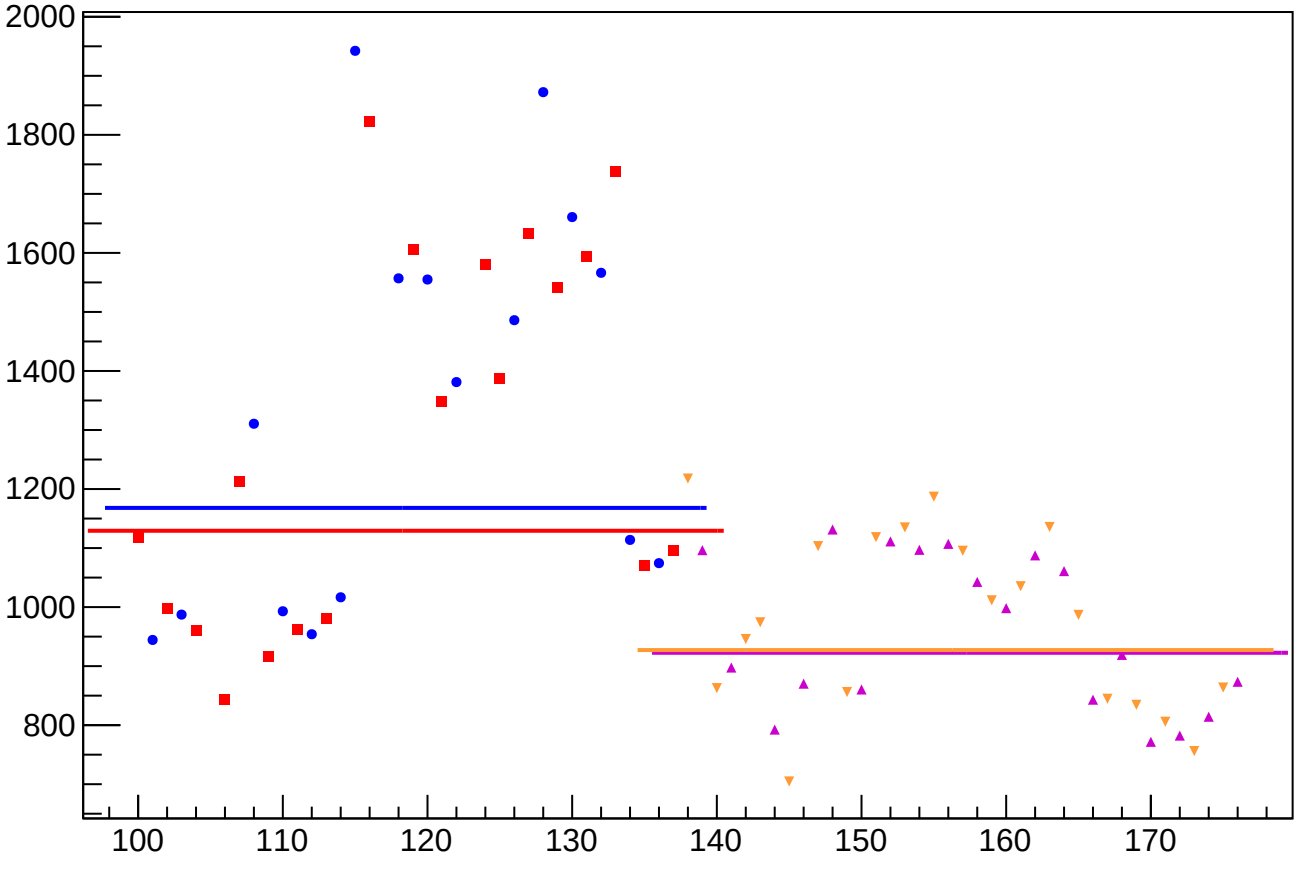
Left In: -188.067+/-237.061 χ^2/NDF:20.6/18

+ sign -958.413+/-208.963 χ^2/NDF: 64.5/35

All: -676.187+/-147.111 χ^2/NDF: 106.7/73

- sign -398.859+/-207.142 χ^2/NDF: 38.5/37

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 927.214+/-0.167 χ^2/NDF:788881.6/19

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

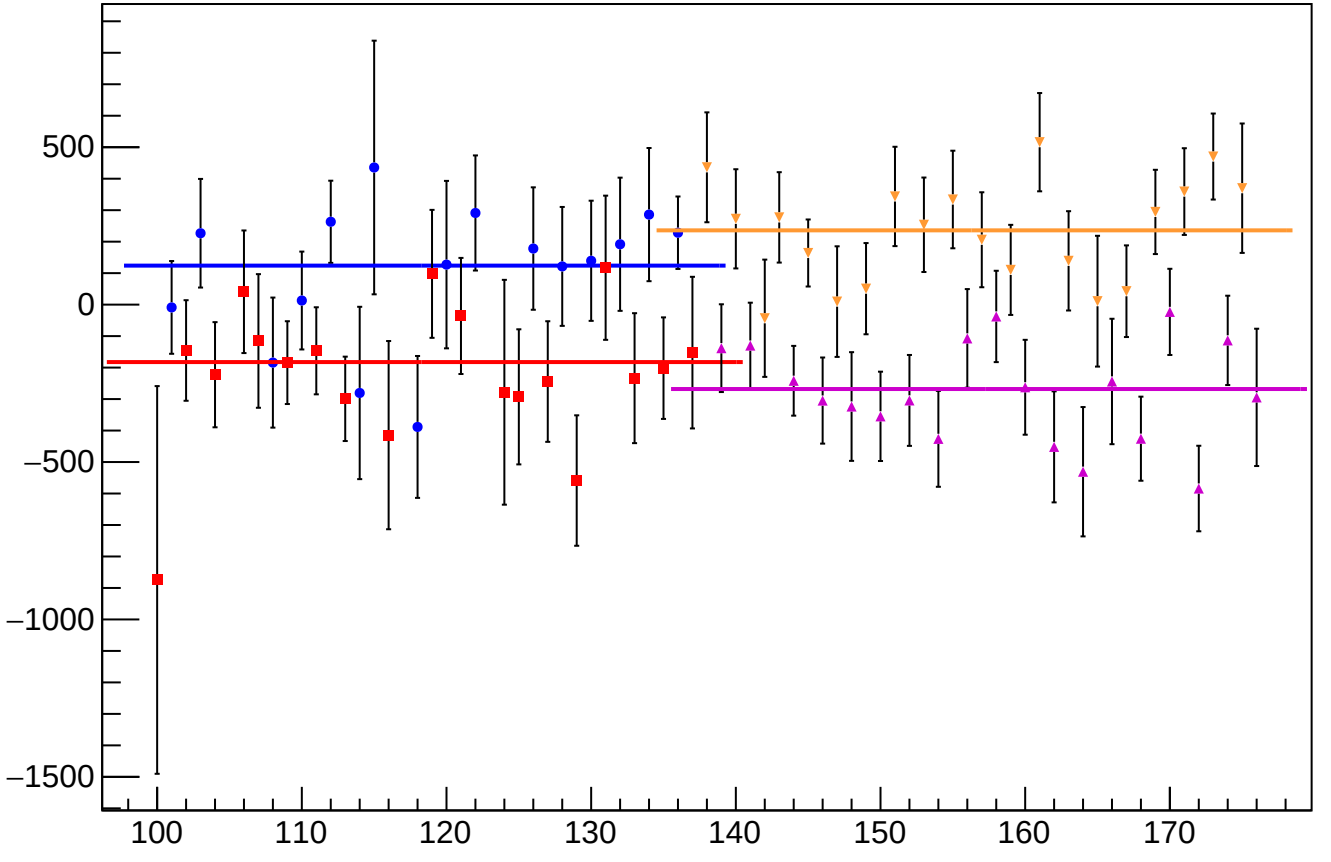
Left In: 922.617+/-0.168 χ^2/NDF:550792.3/18

+ sign 979.769+/-0.148 χ^2/NDF: 1951505.5/35

All: 975.598+/-0.104 χ^2/NDF: 3670687.7/73

- sign 971.500+/-0.146 χ^2/NDF: 1717602.5/37

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 235.915+/-33.802 χ^2/NDF:20.0/19

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

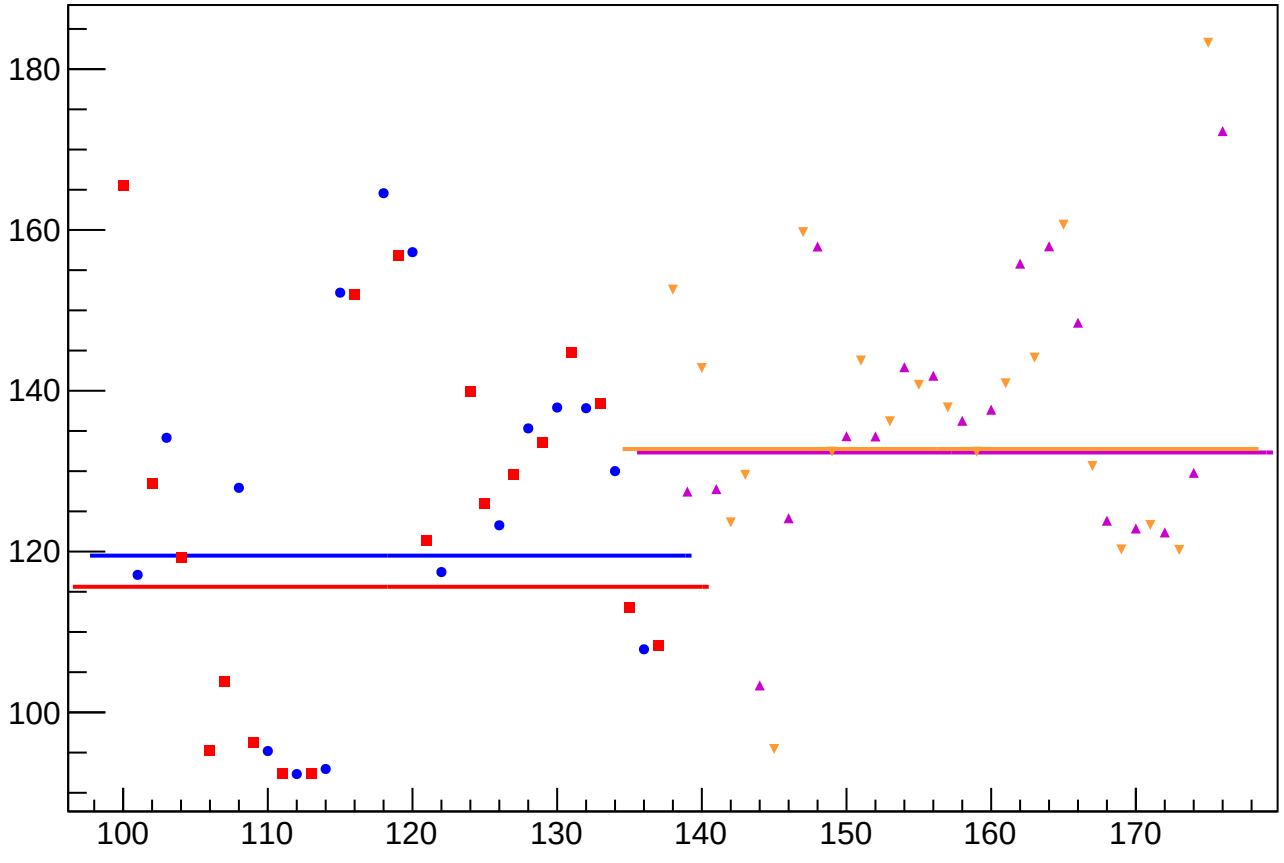
Left In: -268.072+/-34.055 χ^2/NDF:21.2/18

+ sign 195.780+/-27.078 χ^2/NDF: 39.4/35

All: -22.380+/-19.030 χ^2/NDF: 203.5/73

- sign -235.286+/-26.750 χ^2/NDF: 35.9/37

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 132.761+/-0.024 χ^2/NDF:567889.7/19

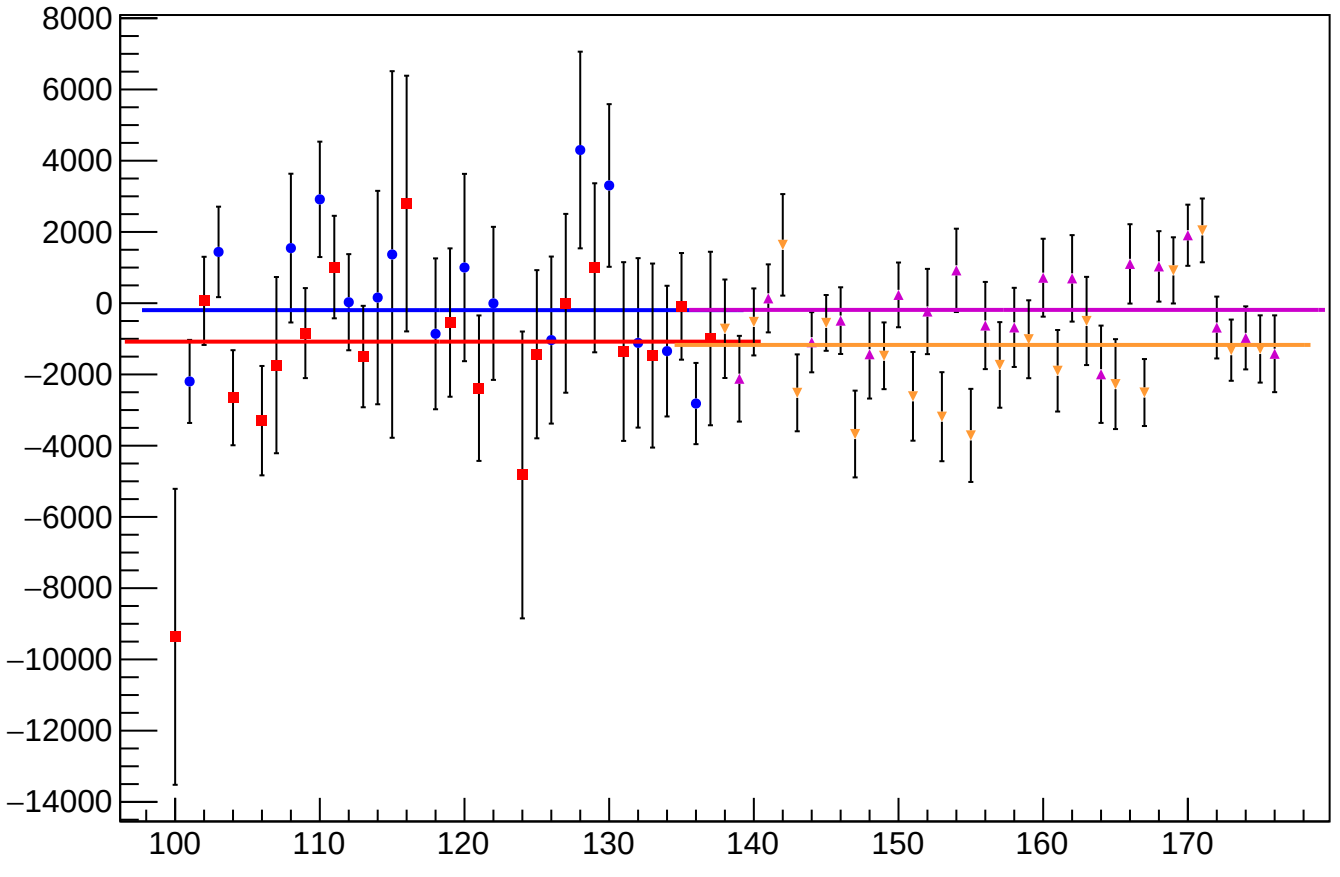
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 132.324+/-0.024 χ^2/NDF:390435.1/18

+ sign 128.008+/-0.019 χ^2/NDF: 1058525.0/35

All: 126.955+/-0.013 χ^2/NDF: 2066152.8/73

- sign 125.927+/-0.019 χ^2/NDF: 1001648.5/37



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1171.467+/-236.332 χ^2/NDF:40.4/19

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

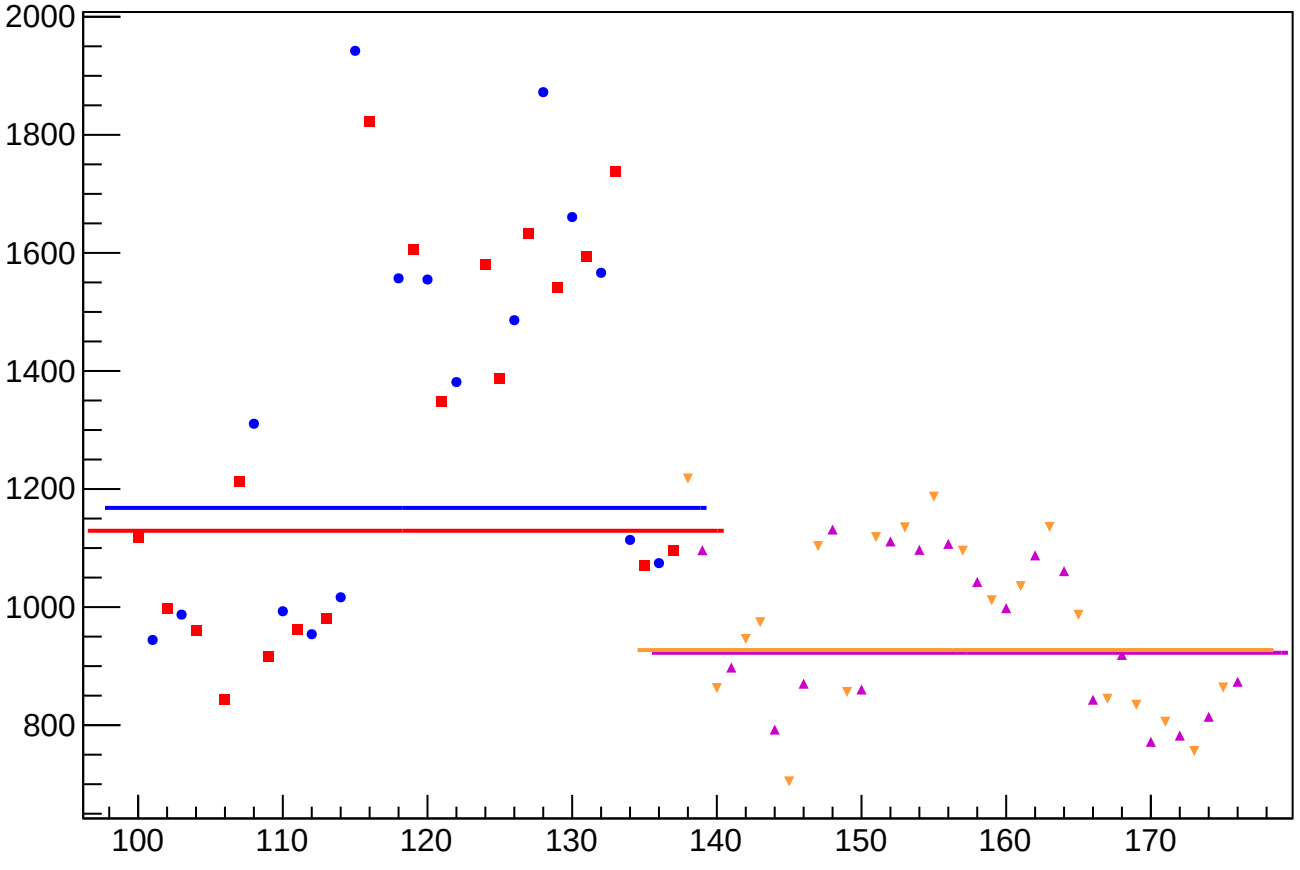
Left In: -188.066+/-237.061 χ^2/NDF:20.6/18

+ sign -958.411+/-208.963 χ^2/NDF: 64.5/35

All: -676.186+/-147.111 χ^2/NDF: 106.7/73

- sign -398.858+/-207.142 χ^2/NDF: 38.5/37

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 927.213+/-0.167 χ^2/NDF:788885.9/19

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

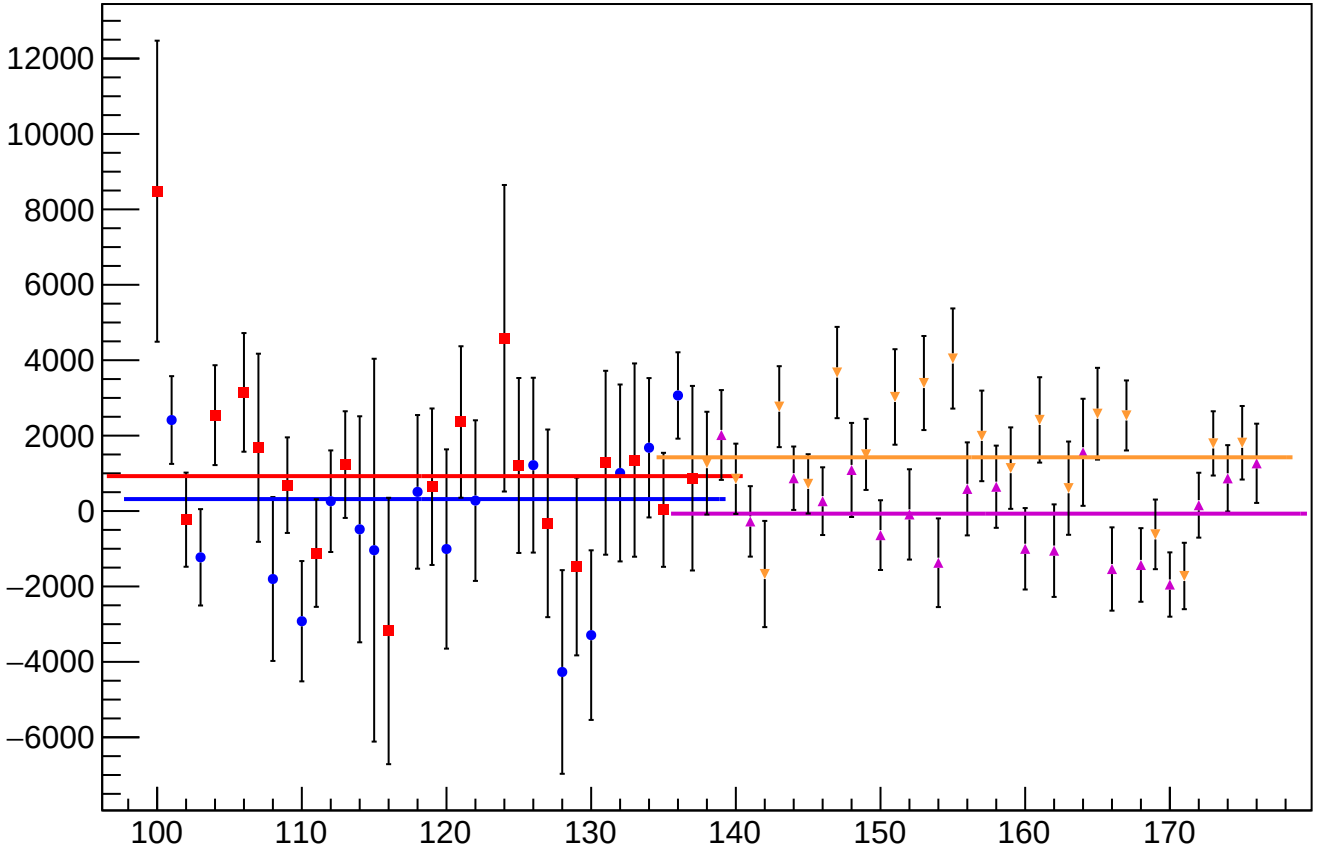
Left In: 922.616+/-0.168 χ^2/NDF:550793.5/18

+ sign 979.768+/-0.148 χ^2/NDF: 1951514.8/35

All: 975.598+/-0.104 χ^2/NDF: 3670701.8/73

- sign 971.499+/-0.146 χ^2/NDF: 1717607.3/37

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1425.441+/-235.523 χ^2/NDF:40.9/19

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

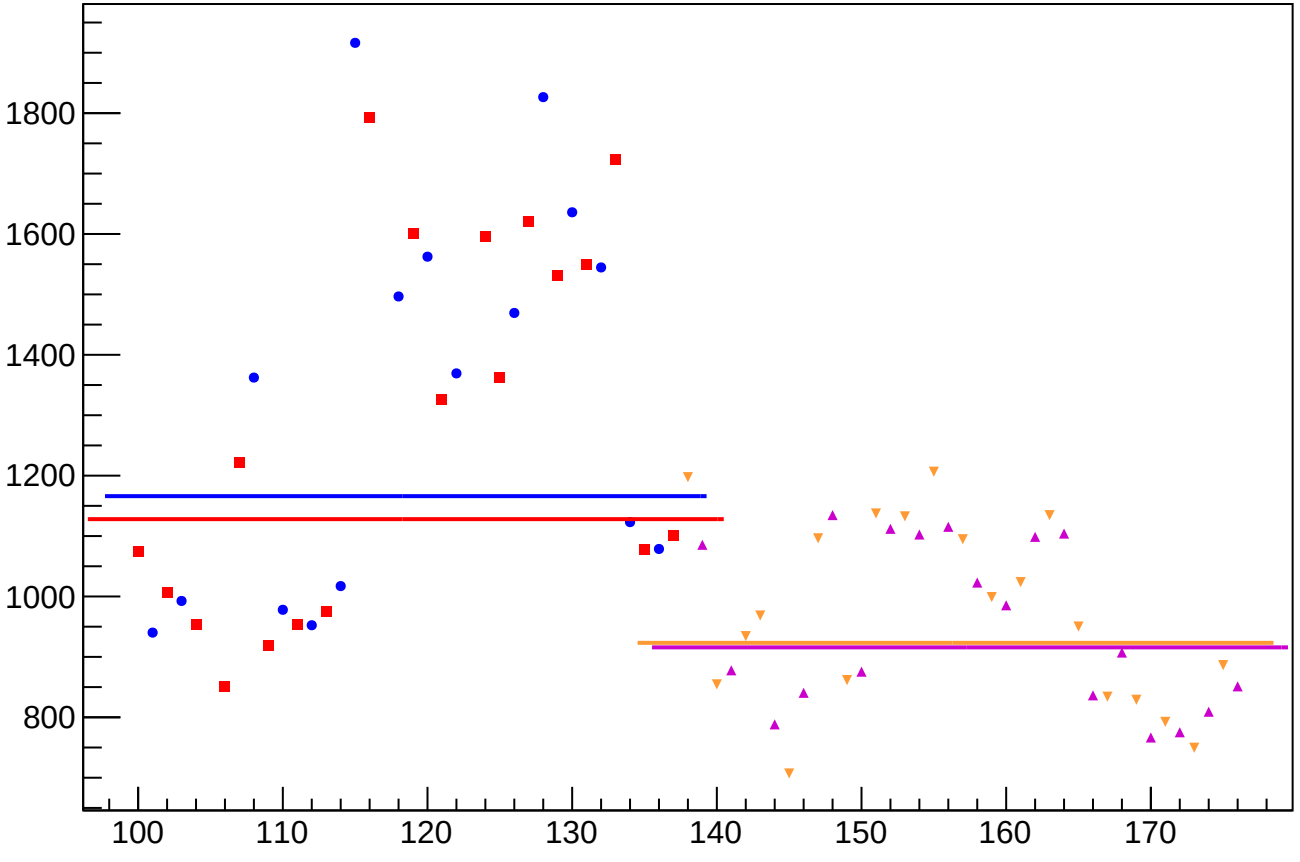
Left In: -69.456+/-235.414 χ^2/NDF:21.8/18

+ sign 1184.105+/-208.301 χ^2/NDF: 67.9/35

All: 668.297+/-146.463 χ^2/NDF: 120.5/73

- sign 163.930+/-205.978 χ^2/NDF: 40.5/37

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 923.256+/-0.167 χ^2/NDF:795520.5/19

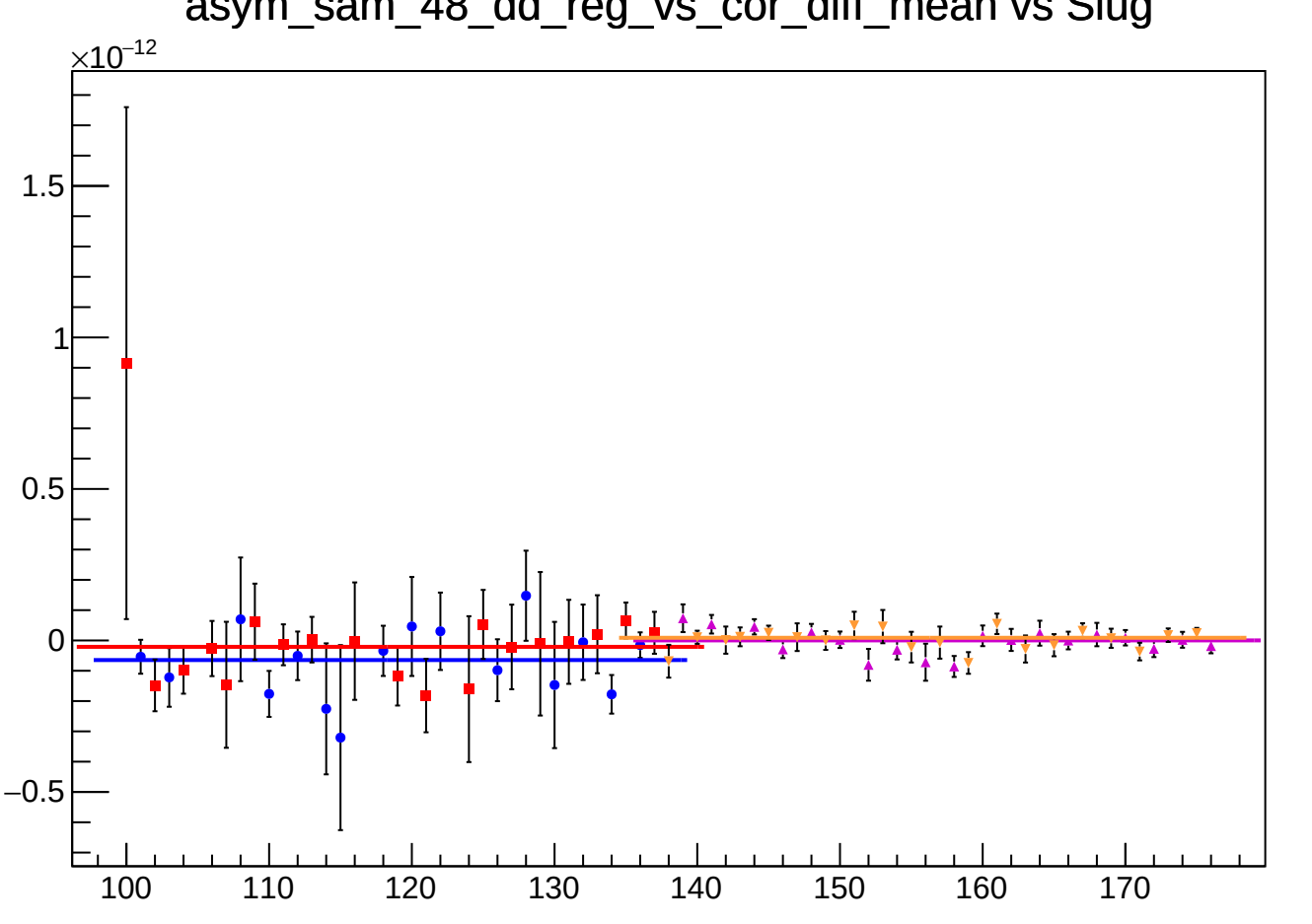
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 915.743+/-0.166 χ^2/NDF:595068.1/18

+ sign 976.137+/-0.147 χ^2/NDF: 1935514.6/35

All: 970.762+/-0.104 χ^2/NDF: 3690181.8/73

- sign 965.507+/-0.146 χ^2/NDF: 1752033.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

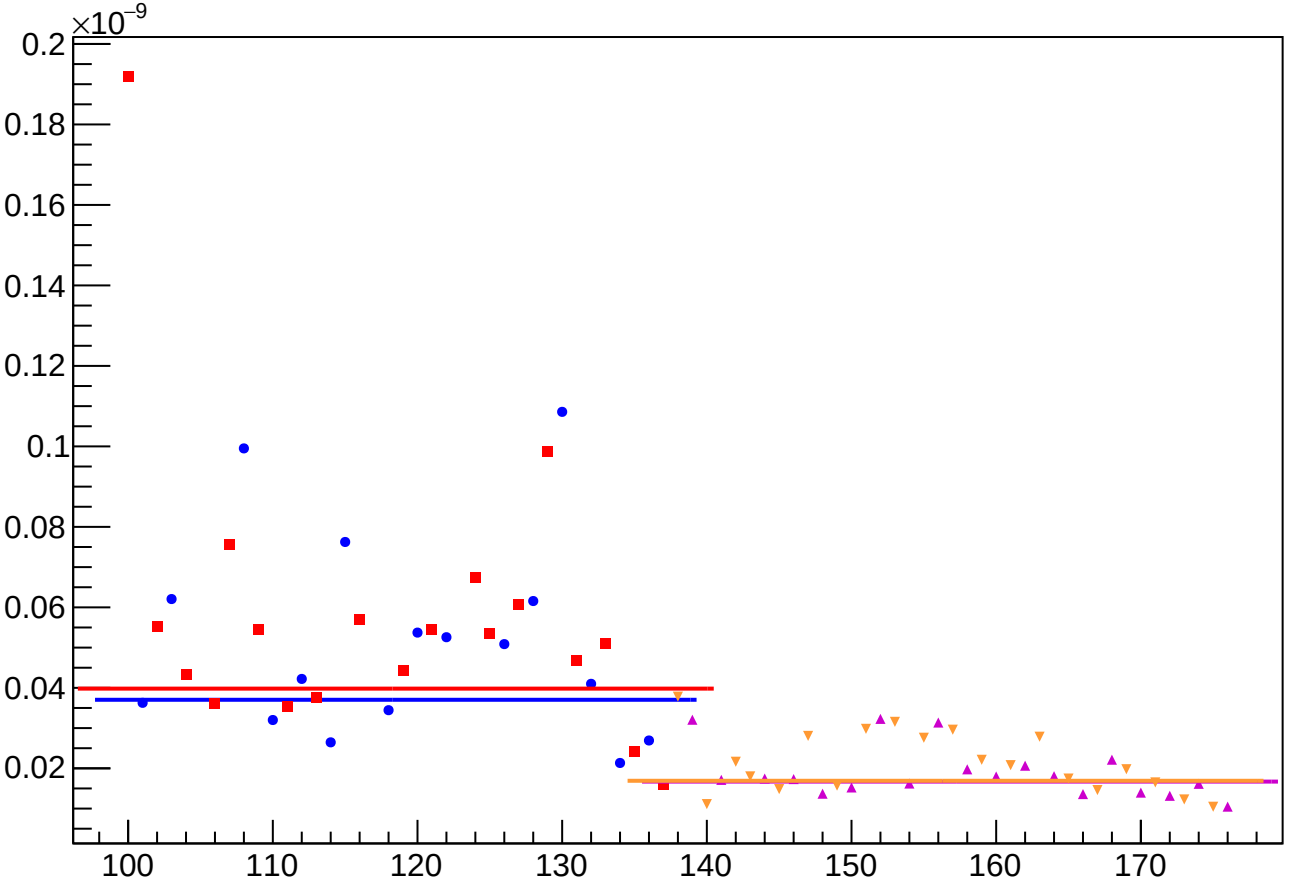
Left In: 0.000+/-0.000 χ^2/NDF:24.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 39.8/35

All: 0.000+/-0.000 χ^2/NDF: 76.2/73

- sign -0.000+/-0.000 χ^2/NDF: 36.3/37

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:1700378.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

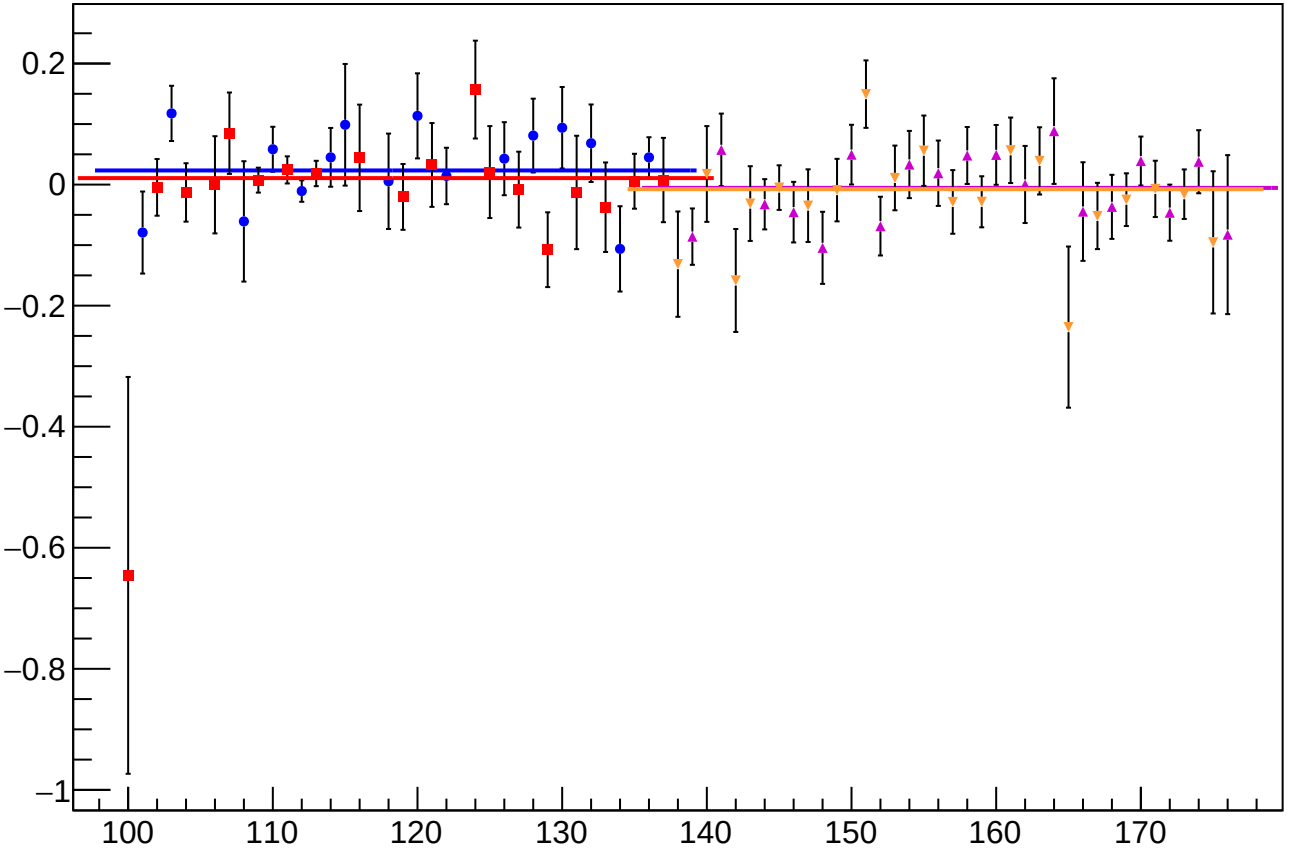
Left In: 0.000+/-0.000 χ^2/NDF:847754.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 4240278.3/35

All: 0.000+/-0.000 χ^2/NDF: 7815233.2/73

- sign 0.000+/-0.000 χ^2/NDF: 3574950.5/37

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: -0.008+/-0.012 χ^2/NDF:21.8/19

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

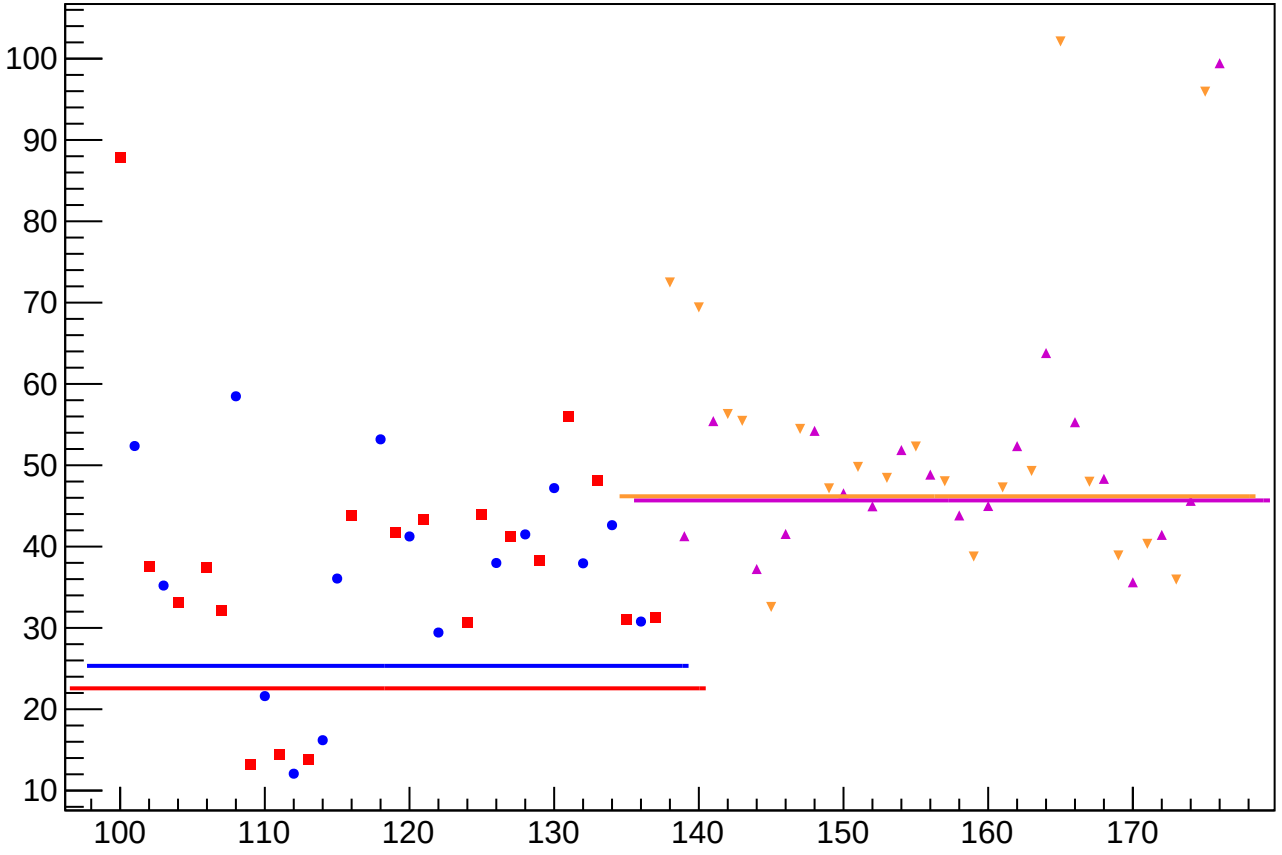
Left In: -0.005+/-0.012 χ^2/NDF:18.8/18

+ sign 0.009+/-0.008 χ^2/NDF: 46.0/35

All: 0.007+/-0.006 χ^2/NDF: 80.3/73

- sign 0.004+/-0.008 χ^2/NDF: 34.1/37

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: 46.187+/-0.009 χ^2/NDF:1772016.5/19

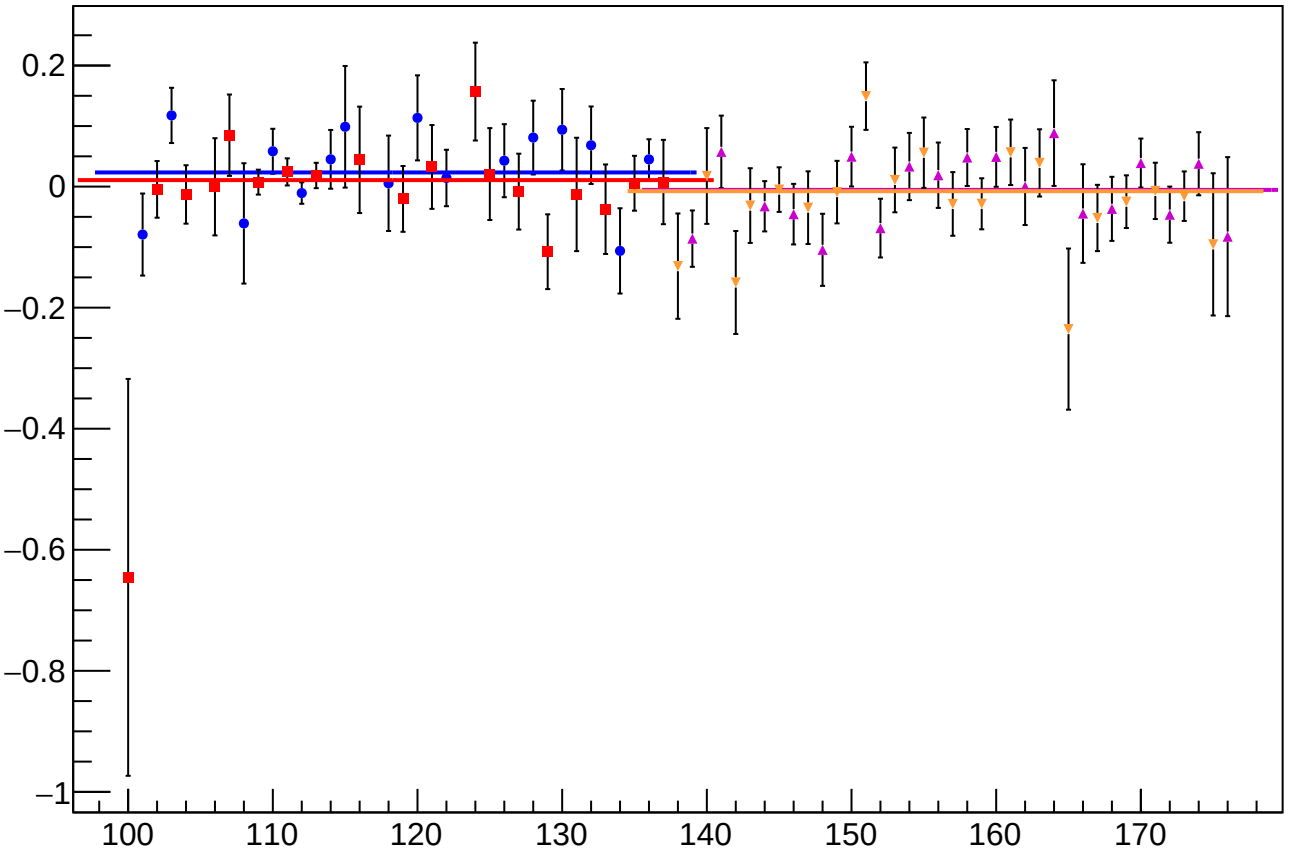
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.678+/-0.009 χ^2/NDF:861581.7/18

+ sign 34.726+/-0.006 χ^2/NDF: 7894130.1/35

All: 33.085+/-0.004 χ^2/NDF: 16418544.7/73

- sign 31.664+/-0.005 χ^2/NDF: 8375222.8/37



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/19

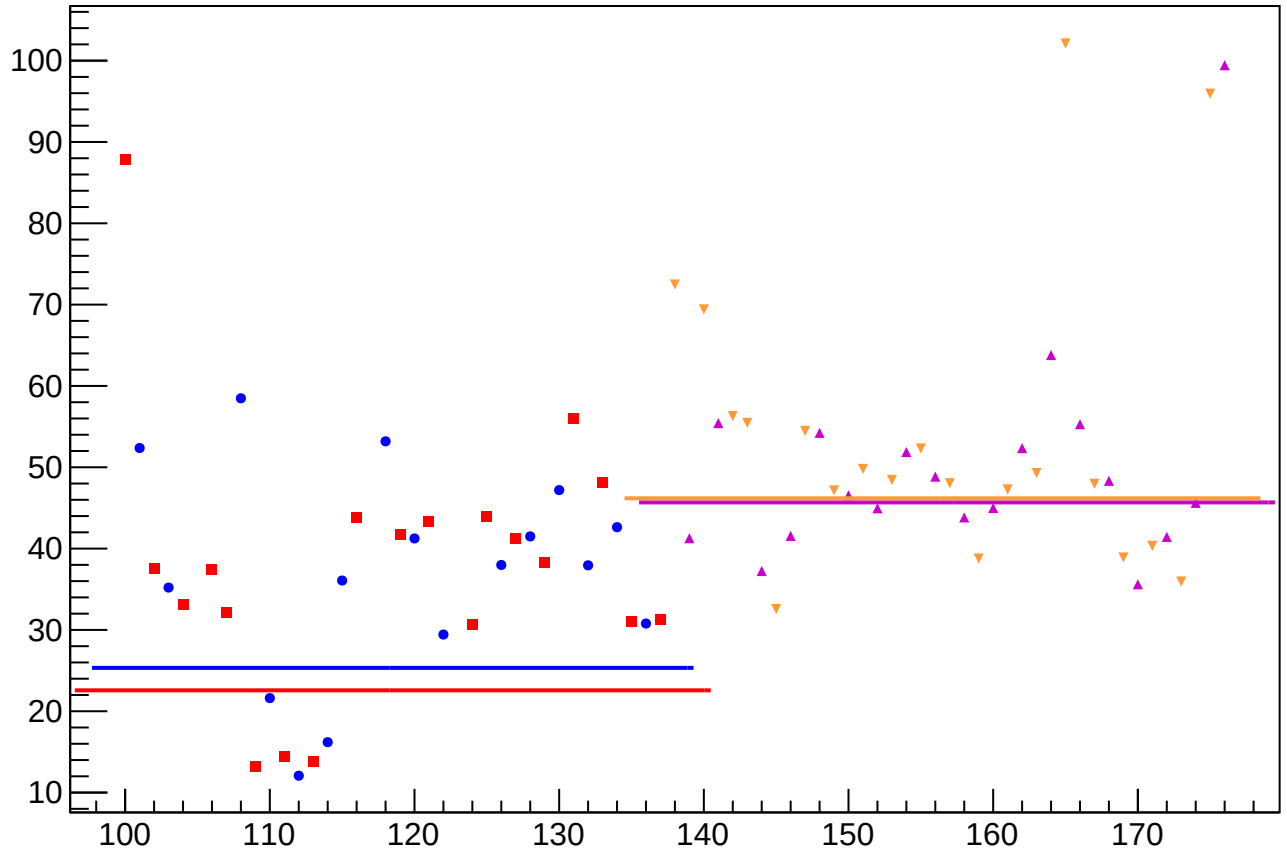
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.012 χ^2/NDF:18.8/18

+ sign 0.009+/-0.008 χ^2/NDF: 46.0/35

All: 0.007+/-0.006 χ^2/NDF: 80.3/73

- sign 0.004+/-0.008 χ^2/NDF: 34.1/37



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772016.5/19

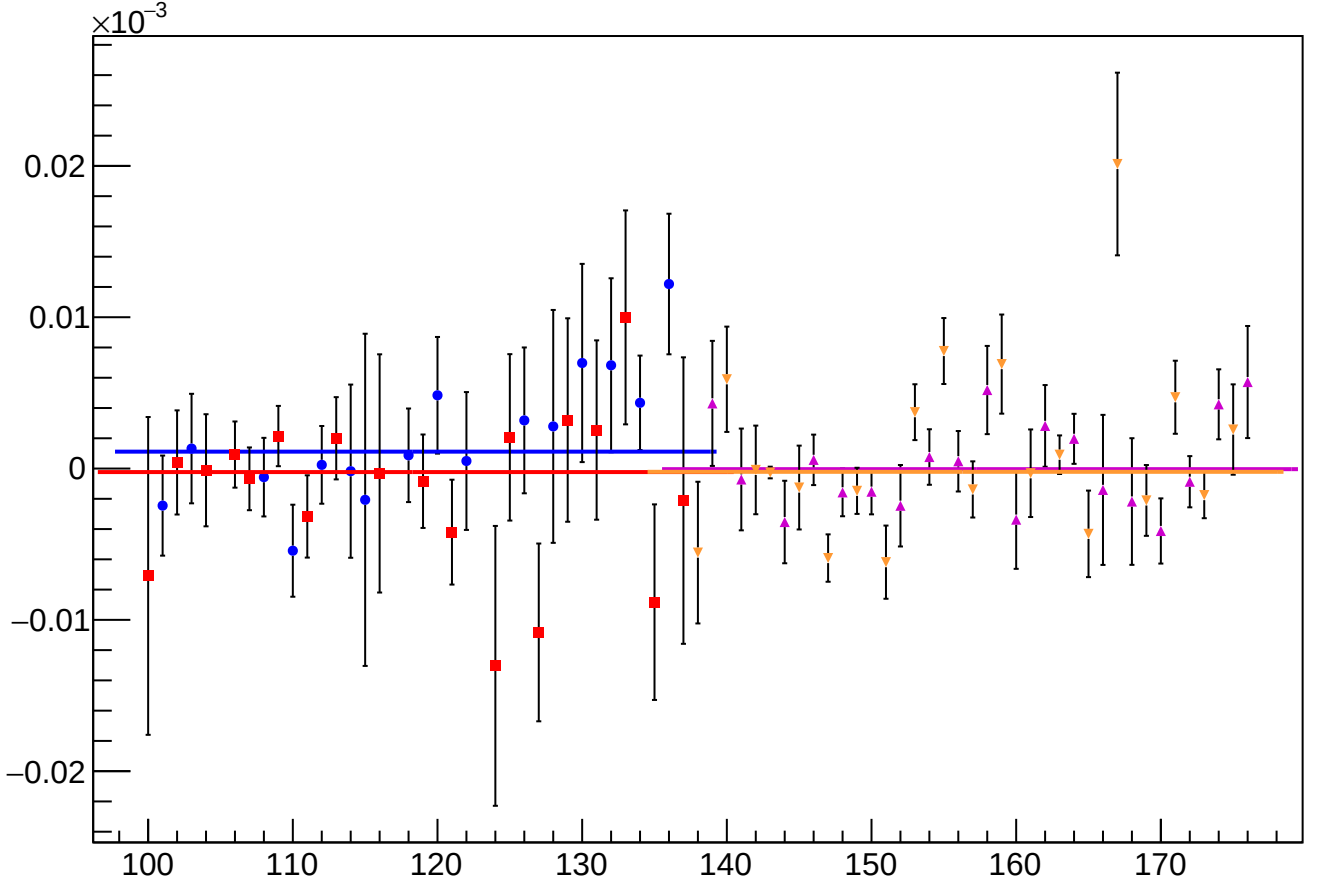
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.678+/-0.009 χ^2/NDF:861581.7/18

+ sign 34.726+/-0.006 χ^2/NDF: 7894130.1/35

All: 33.085+/-0.004 χ^2/NDF: 16418544.7/73

- sign 31.664+/-0.005 χ^2/NDF: 8375222.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:68.6/19

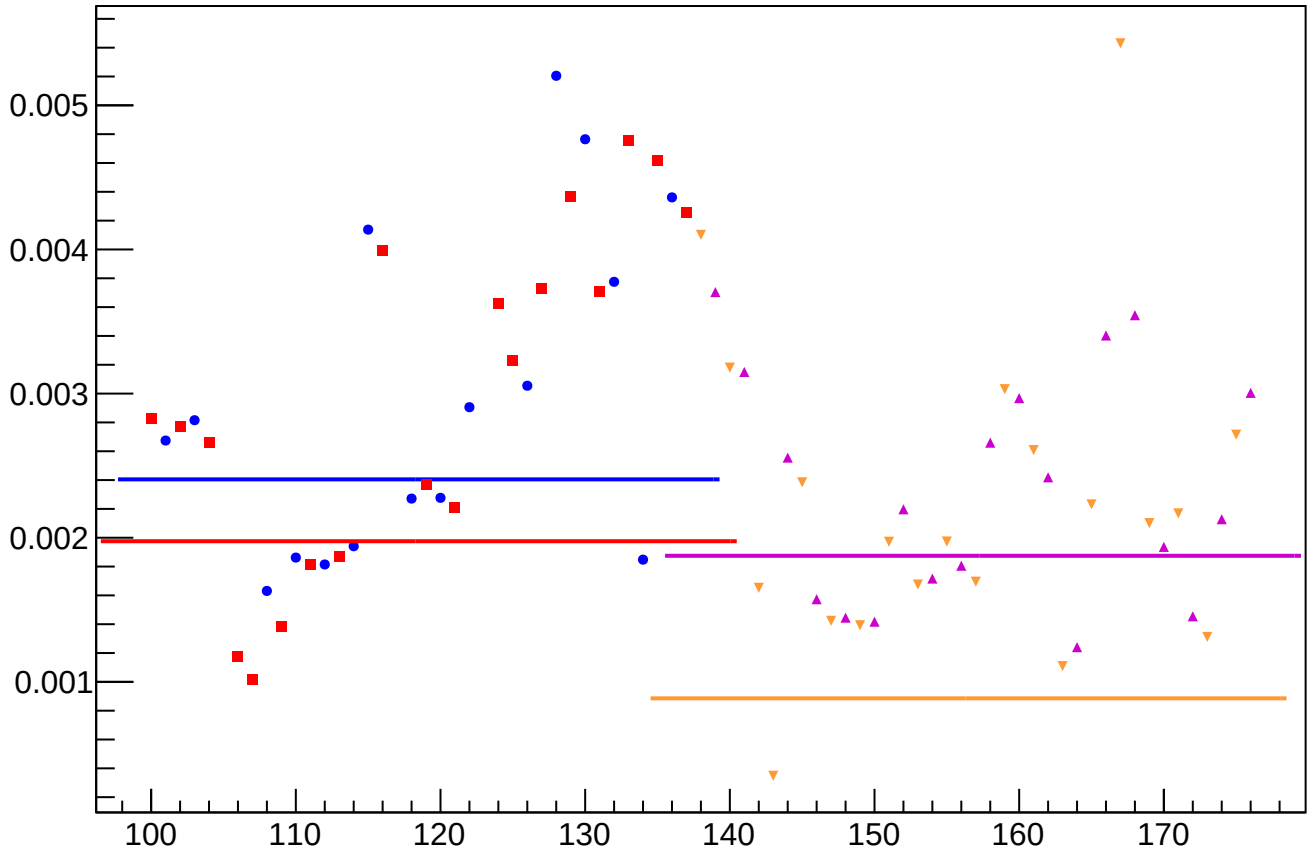
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:22.8/18

+ sign -0.000+/-0.000 χ^2/NDF: 86.5/35

All: -0.000+/-0.000 χ^2/NDF: 124.5/73

- sign -0.000+/-0.000 χ^2/NDF: 38.0/37



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:13729087.2/19

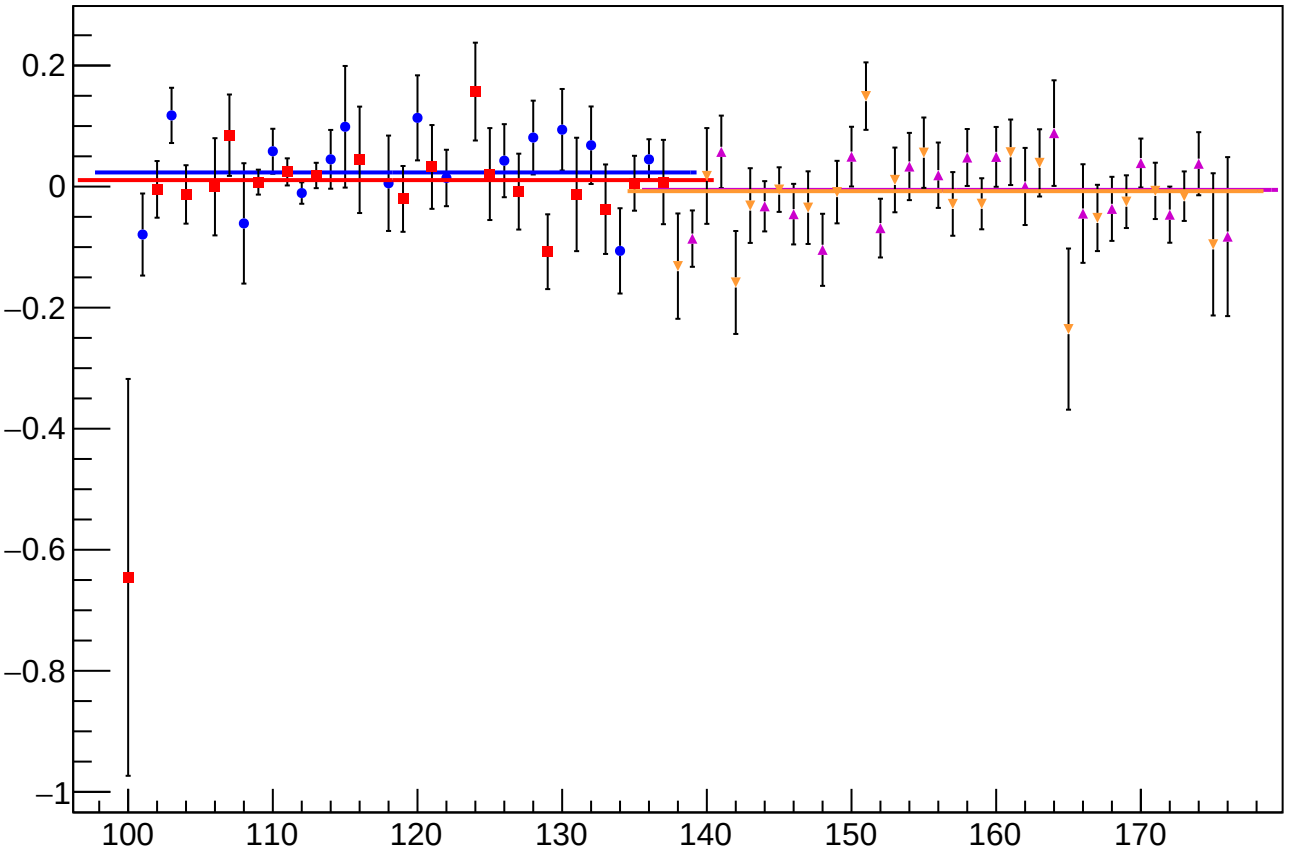
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2840242.5/18

+ sign 0.001+/-0.000 χ^2/NDF: 19897797.6/35

All: 0.001+/-0.000 χ^2/NDF: 31192448.1/73

- sign 0.002+/-0.000 χ^2/NDF: 5637692.5/37



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/19

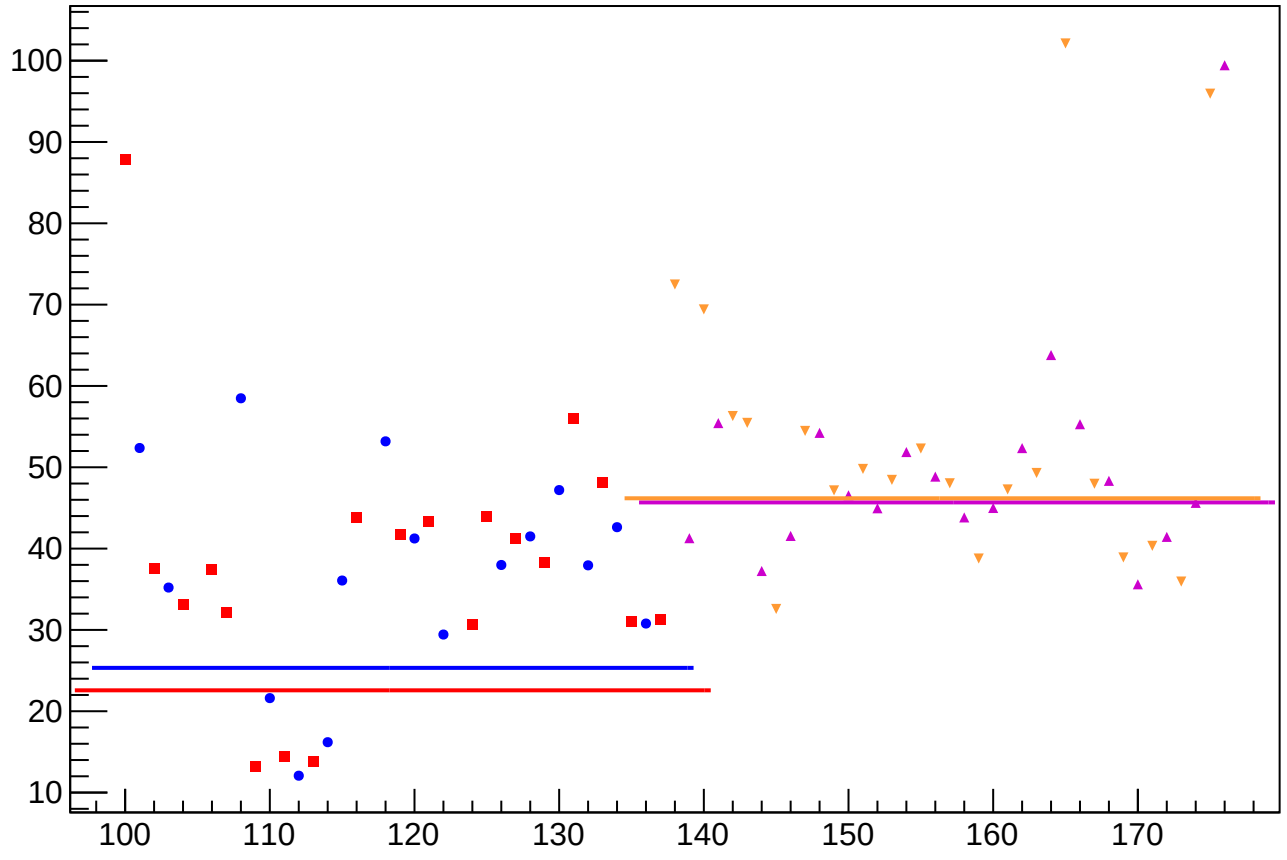
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.012 χ^2/NDF:18.8/18

+ sign 0.009+/-0.008 χ^2/NDF: 46.0/35

All: 0.007+/-0.006 χ^2/NDF: 80.3/73

- sign 0.004+/-0.008 χ^2/NDF: 34.1/37



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772002.7/19

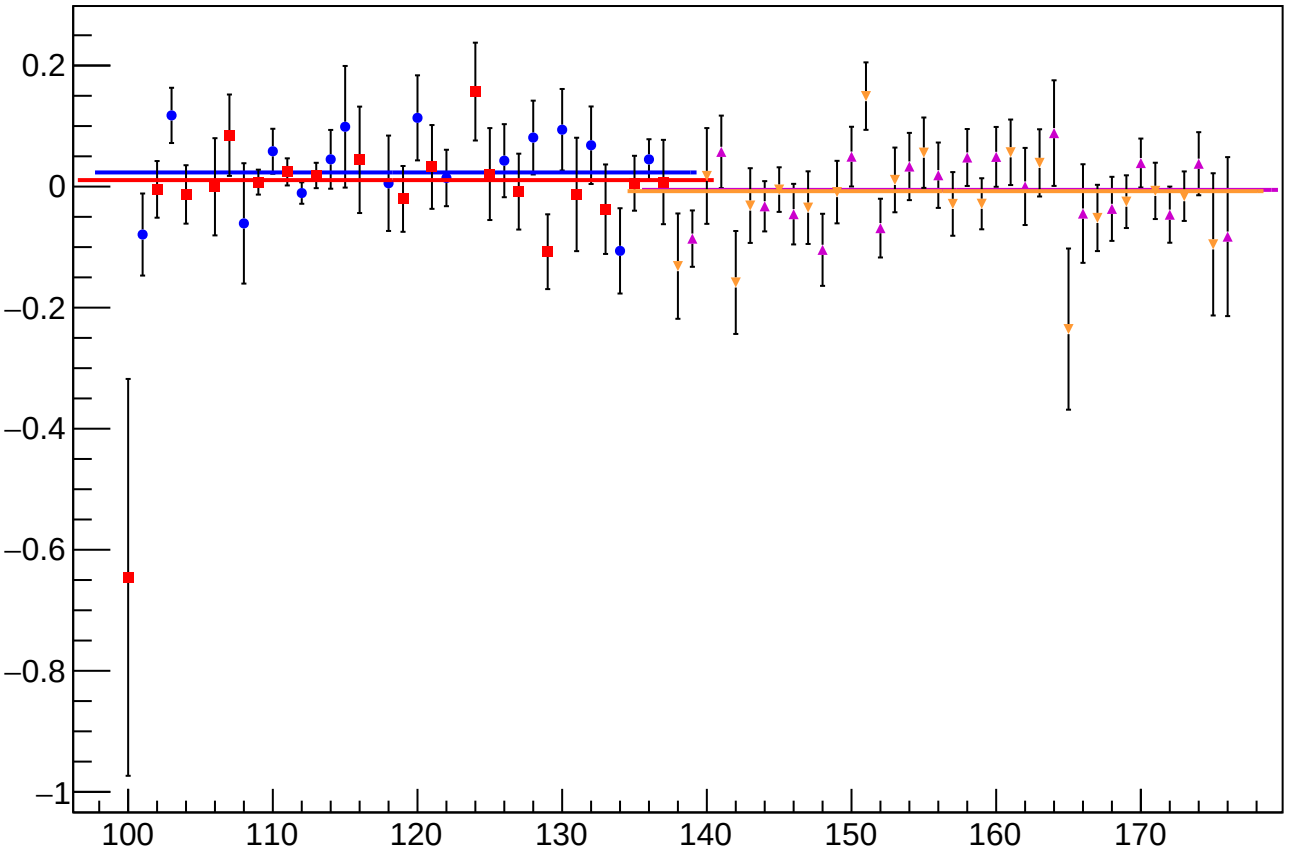
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.678+/-0.009 χ^2/NDF:861574.5/18

+ sign 34.724+/-0.006 χ^2/NDF: 7895089.8/35

All: 33.084+/-0.004 χ^2/NDF: 16419786.7/73

- sign 31.664+/-0.005 χ^2/NDF: 8375574.5/37



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/19

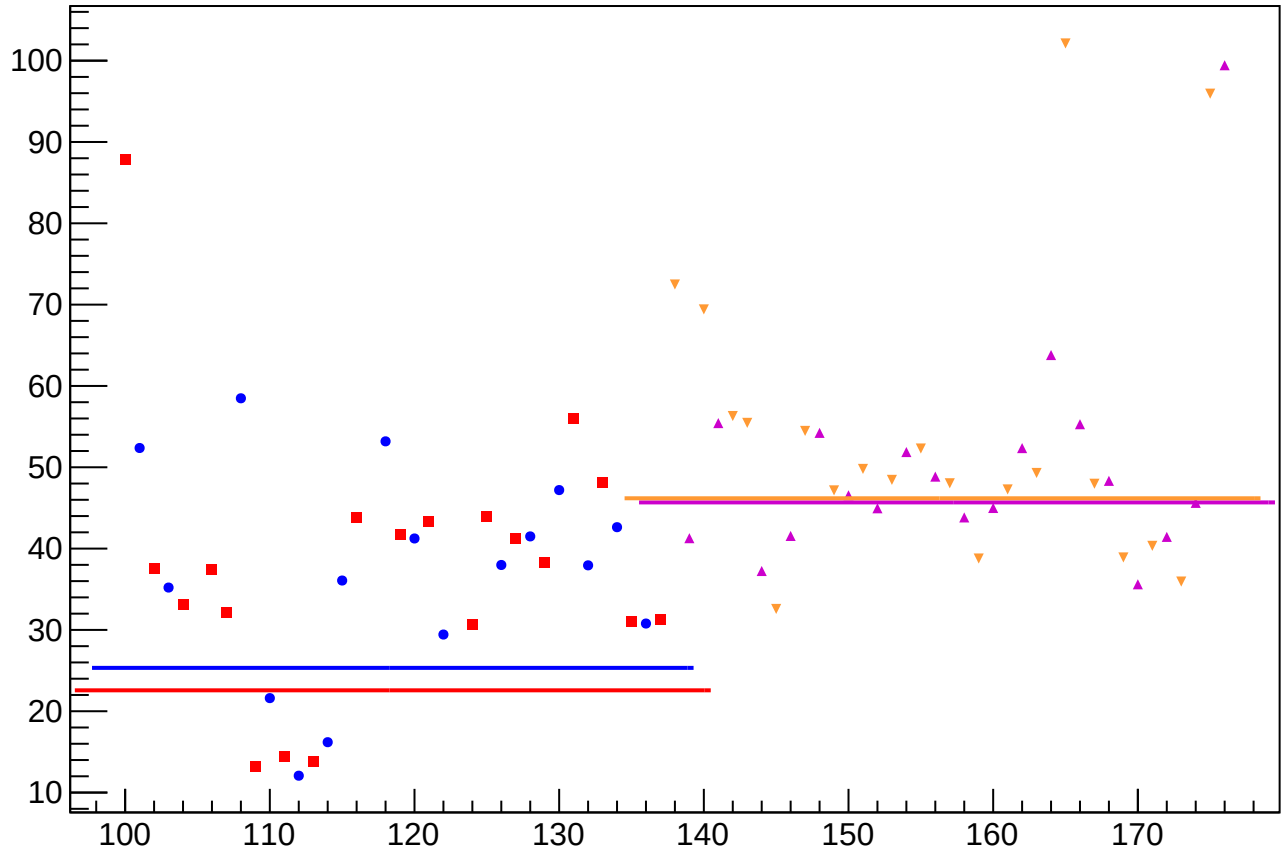
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.012 χ^2/NDF:18.8/18

+ sign 0.009+/-0.008 χ^2/NDF: 46.0/35

All: 0.007+/-0.006 χ^2/NDF: 80.3/73

- sign 0.004+/-0.008 χ^2/NDF: 34.1/37



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772002.7/19

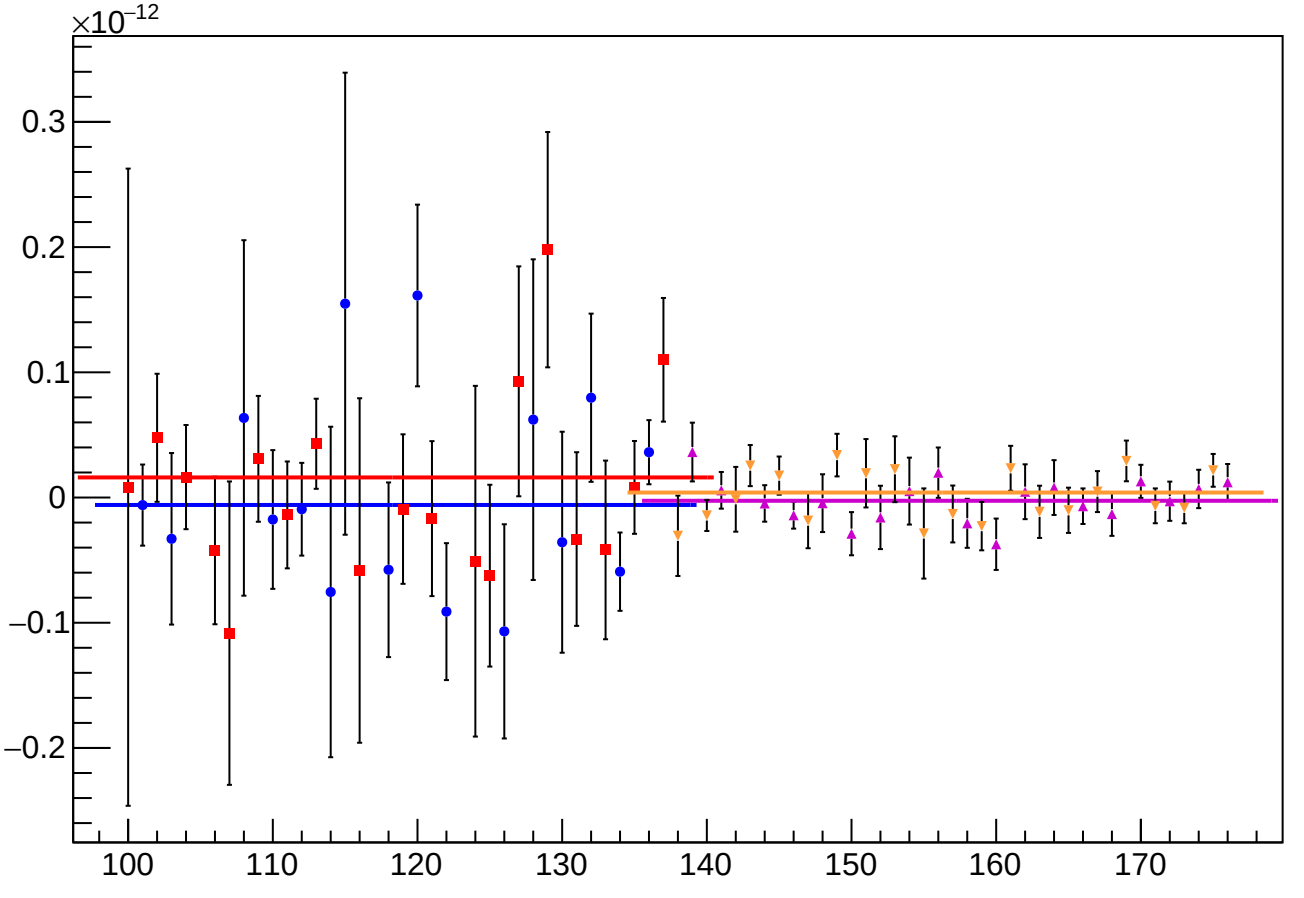
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.678+/-0.009 χ^2/NDF:861574.5/18

+ sign 34.724+/-0.006 χ^2/NDF: 7895089.8/35

All: 33.084+/-0.004 χ^2/NDF: 16419786.7/73

- sign 31.664+/-0.005 χ^2/NDF: 8375574.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/19

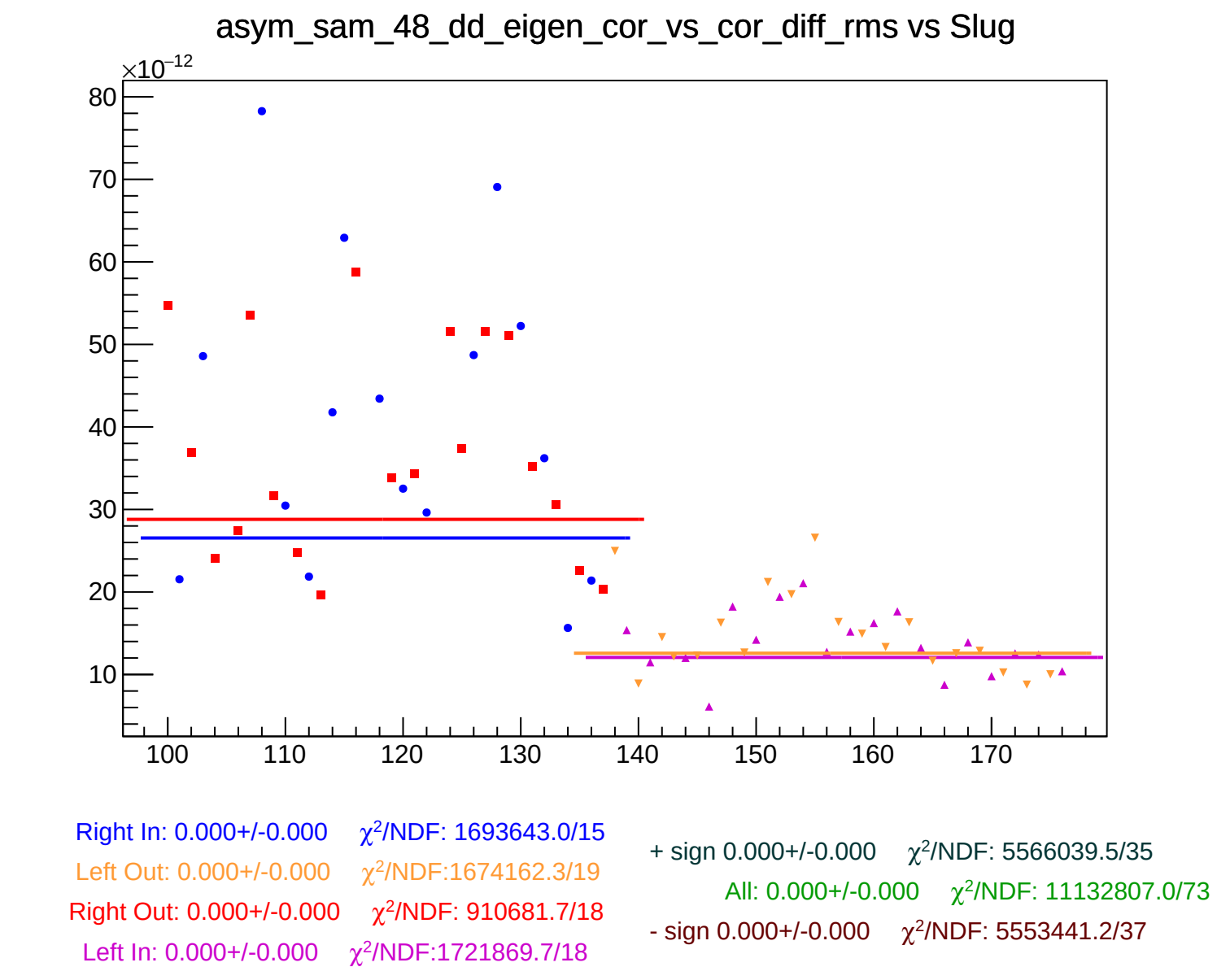
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:15.5/18

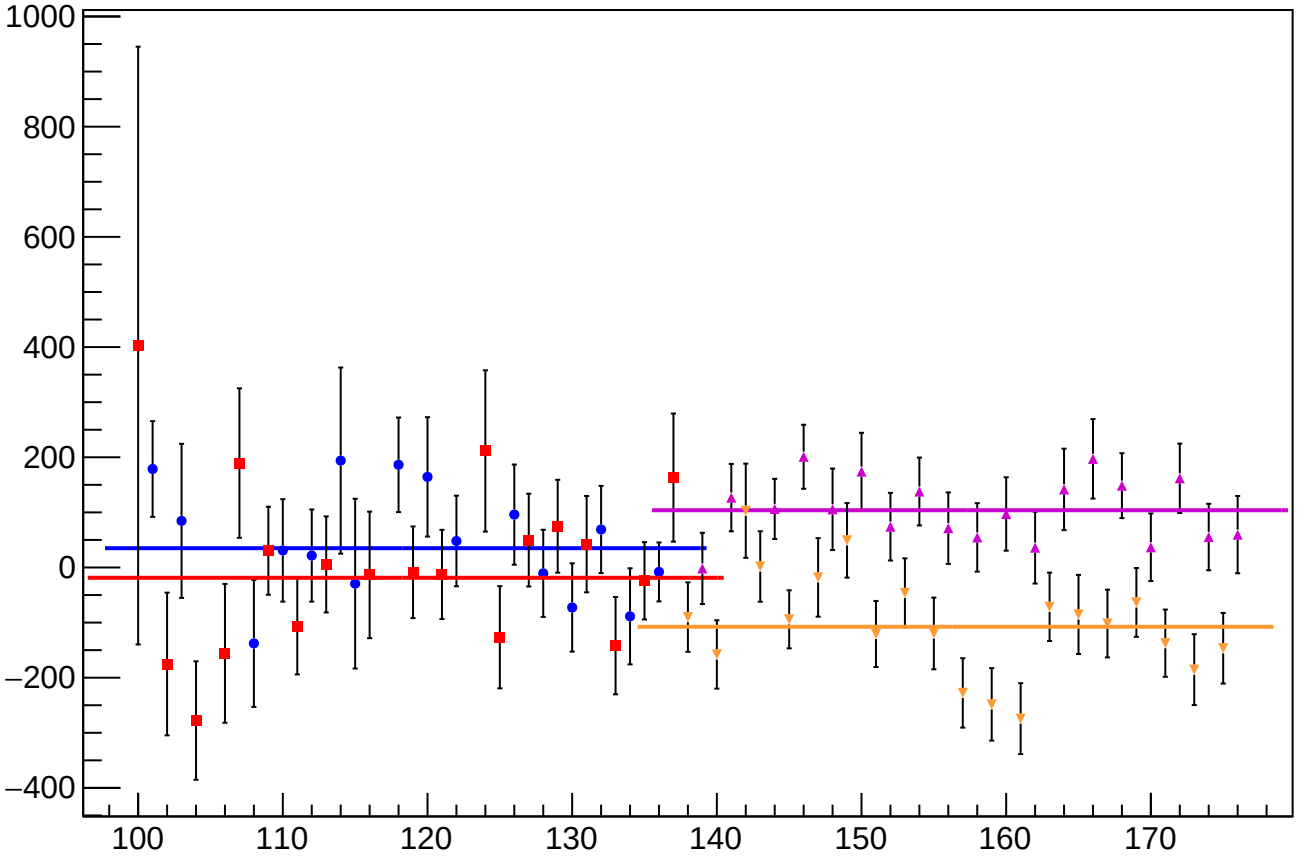
+ sign 0.000+/-0.000 χ^2/NDF: 41.6/35

All: 0.000+/-0.000 χ^2/NDF: 74.6/73

- sign -0.000+/-0.000 χ^2/NDF: 32.3/37


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1674162.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1721869.7/18
+ sign 0.000+/-0.000 χ²/NDF: 5566039.5/35
All: 0.000+/-0.000 χ²/NDF: 11132807.0/73
- sign 0.000+/-0.000 χ²/NDF: 5553441.2/37

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.588+/-14.302 χ^2/NDF:35.8/19

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

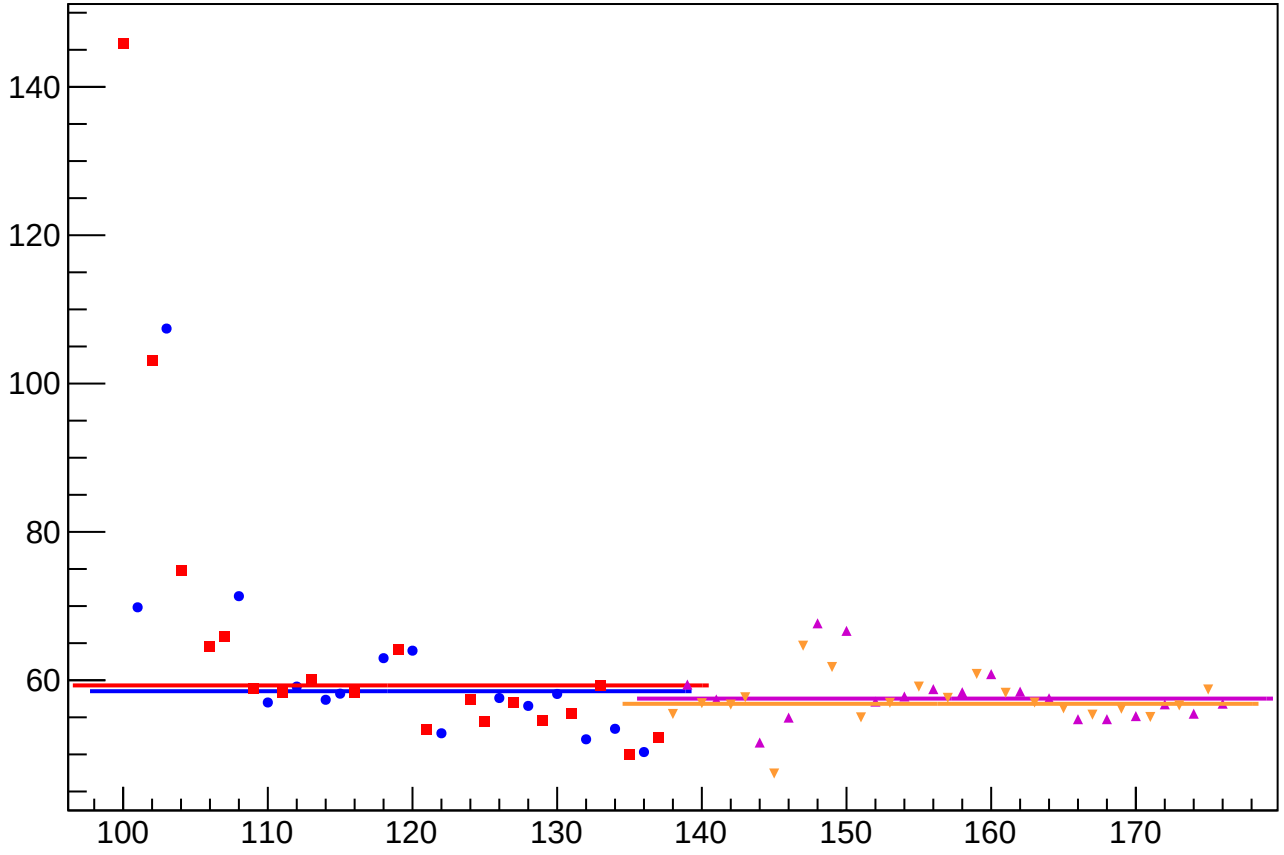
Left In: 103.908+/-14.634 χ^2/NDF:14.7/18

+ sign -65.587+/-12.012 χ^2/NDF: 81.2/35

All: -0.546+/-8.562 χ^2/NDF: 200.4/73

- sign 66.626+/-12.208 χ^2/NDF: 59.6/37

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.821+/-0.010 χ^2/NDF:118215.6/19

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

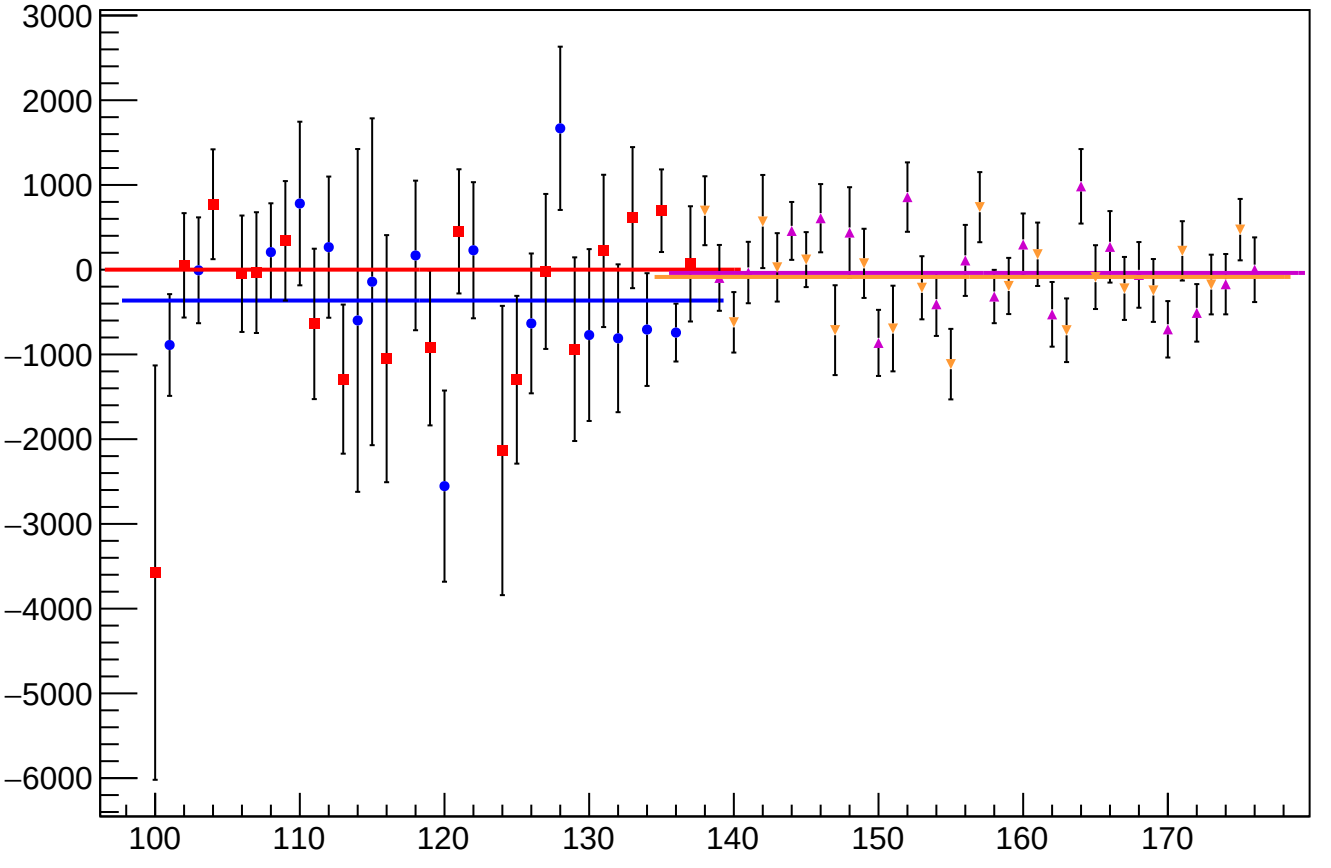
Left In: 57.524+/-0.010 χ^2/NDF:120254.5/18

\+ sign 57.322+/-0.008 χ^2/NDF: 519289.2/35

All: 57.687+/-0.006 χ^2/NDF: 1058886.9/73

\- sign 58.065+/-0.009 χ^2/NDF: 535834.6/37

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -85.673+/-86.432 χ^2/NDF:28.0/19

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

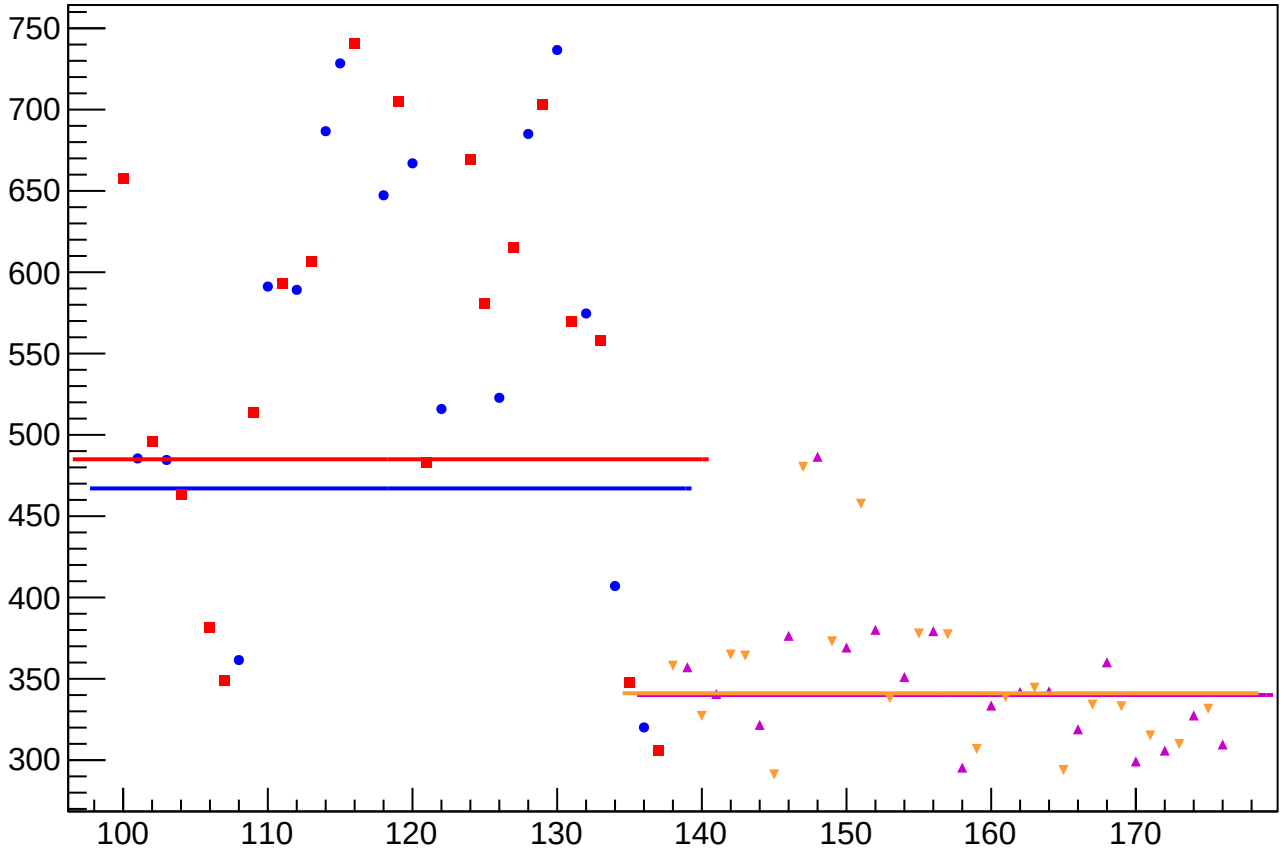
Left In: -38.184+/-86.990 χ^2/NDF:31.1/18

+ sign -137.555+/-77.963 χ^2/NDF: 45.1/35

All: -84.715+/-55.342 χ^2/NDF: 92.3/73

- sign -31.047+/-78.572 χ^2/NDF: 46.2/37

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 341.119+/-0.061 χ^2/NDF:434284.6/19

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

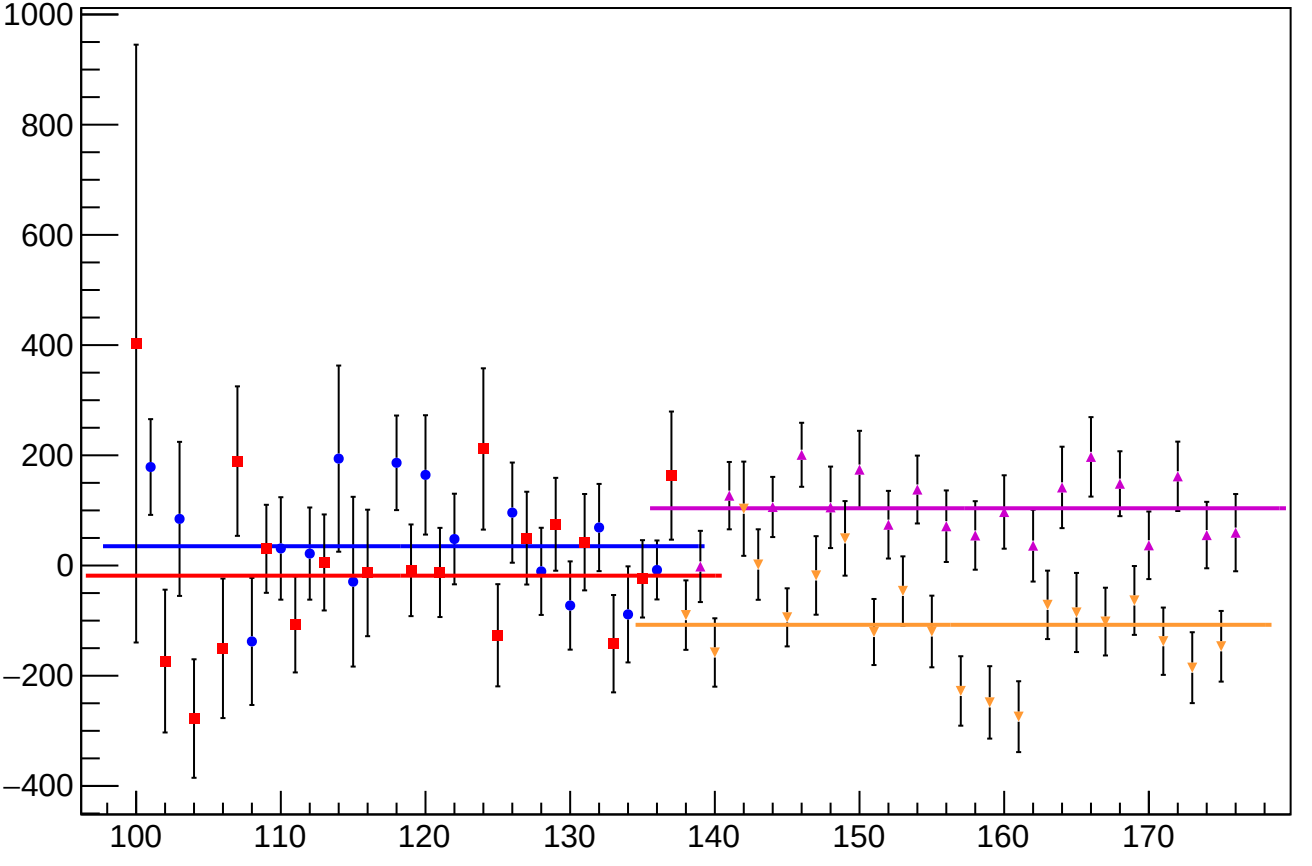
Left In: 340.038+/-0.062 χ^2/NDF:342479.7/18

+ sign 364.590+/-0.055 χ^2/NDF: 2255998.2/35

All: 365.654+/-0.039 χ^2/NDF: 4495953.8/73

- sign 366.733+/-0.056 χ^2/NDF: 2239205.8/37

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.586+/-14.302 χ^2/NDF:35.7/19

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

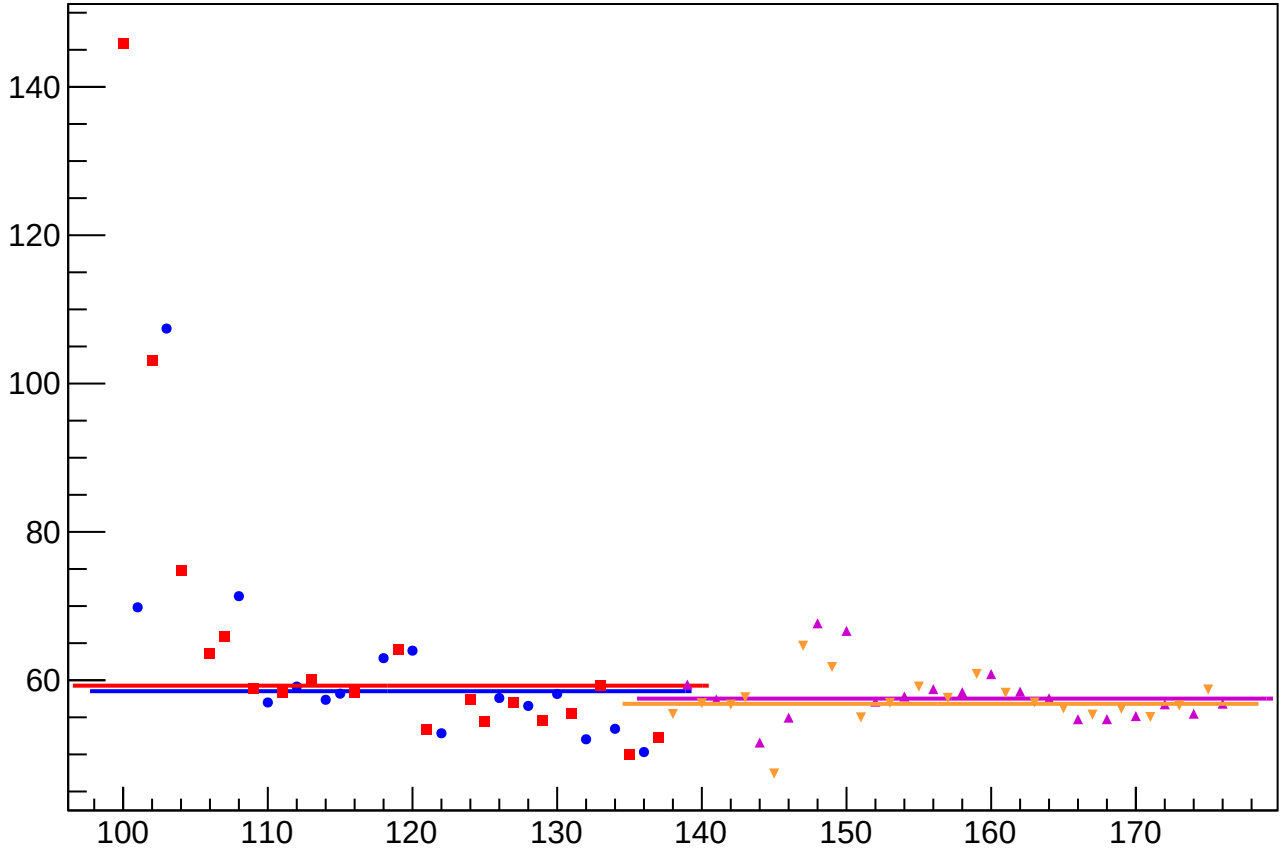
Left In: 103.909+/-14.634 χ^2/NDF:14.7/18

+ sign -65.586+/-12.012 χ^2/NDF: 81.2/35

All: -0.503+/-8.562 χ^2/NDF: 200.2/73

- sign 66.719+/-12.208 χ^2/NDF: 59.3/37

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.821+/-0.010 χ^2/NDF:118215.6/19

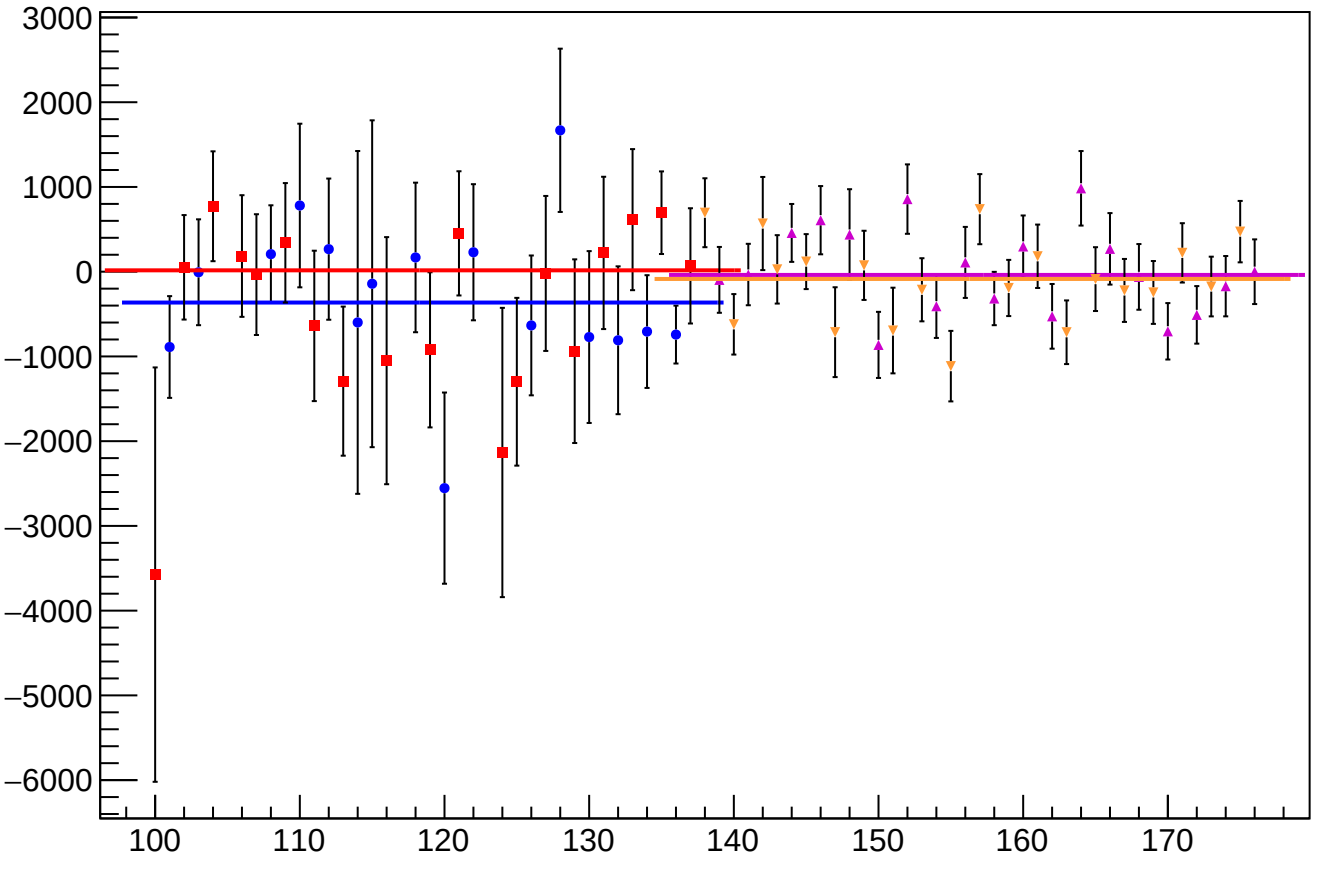
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.524+/-0.010 χ^2/NDF:120254.5/18

+ sign 57.322+/-0.008 χ^2/NDF: 519291.3/35

All: 57.682+/-0.006 χ^2/NDF: 1057474.2/73

- sign 58.055+/-0.009 χ^2/NDF: 534518.8/37



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -85.674+/-86.432 χ^2/NDF:28.0/19

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

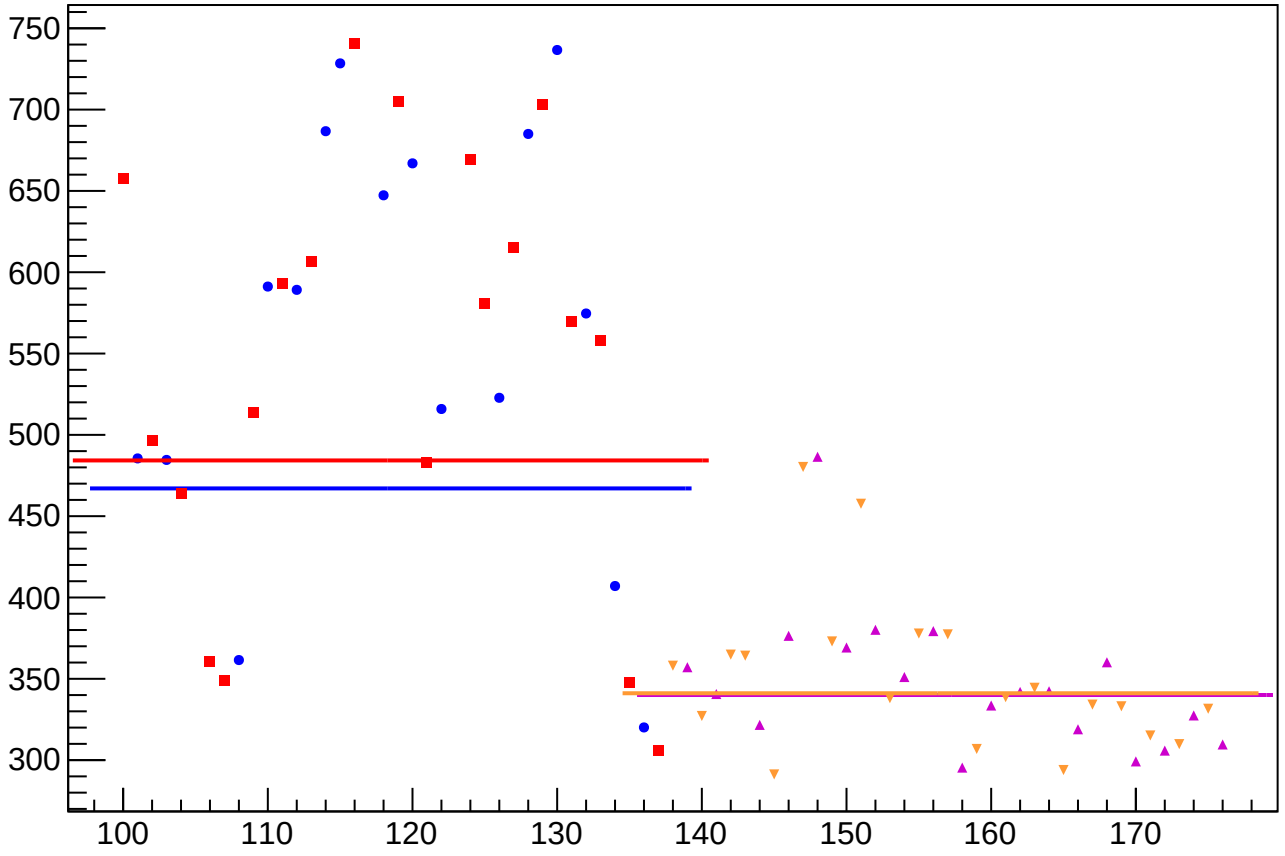
Left In: -38.183+/-86.990 χ^2/NDF:31.1/18

\+ sign -137.548+/-77.963 χ^2/NDF: 45.1/35

All: -83.349+/-55.358 χ^2/NDF: 92.4/73

\- sign -28.238+/-78.617 χ^2/NDF: 46.3/37

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 341.119+/-0.061 χ^2/NDF:434284.1/19

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

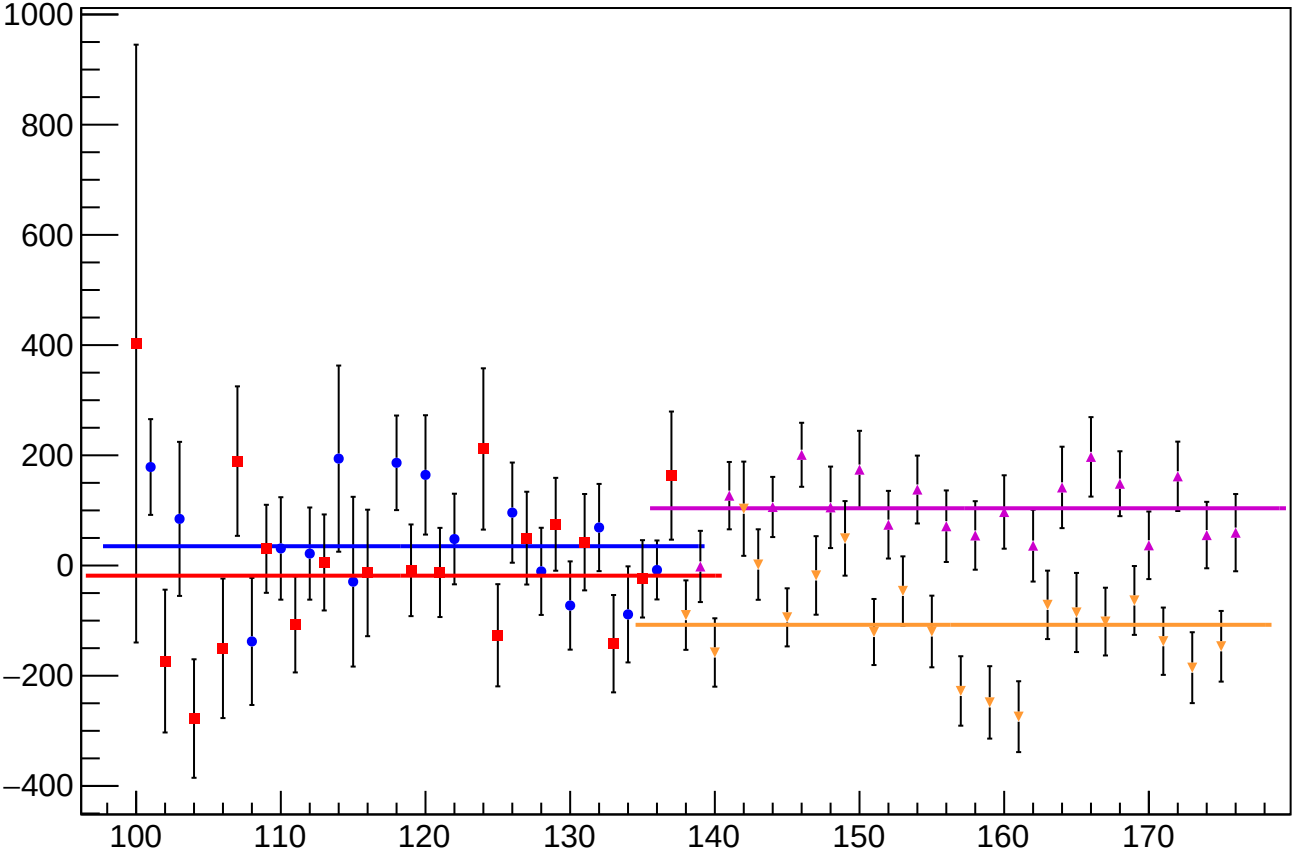
Left In: 340.038+/-0.062 χ^2/NDF:342483.4/18

+ sign 364.591+/-0.055 χ^2/NDF: 2256024.1/35

All: 365.522+/-0.039 χ^2/NDF: 4495456.7/73

- sign 366.470+/-0.056 χ^2/NDF: 2238856.6/37

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.586+/-14.302 χ^2/NDF:35.7/19

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

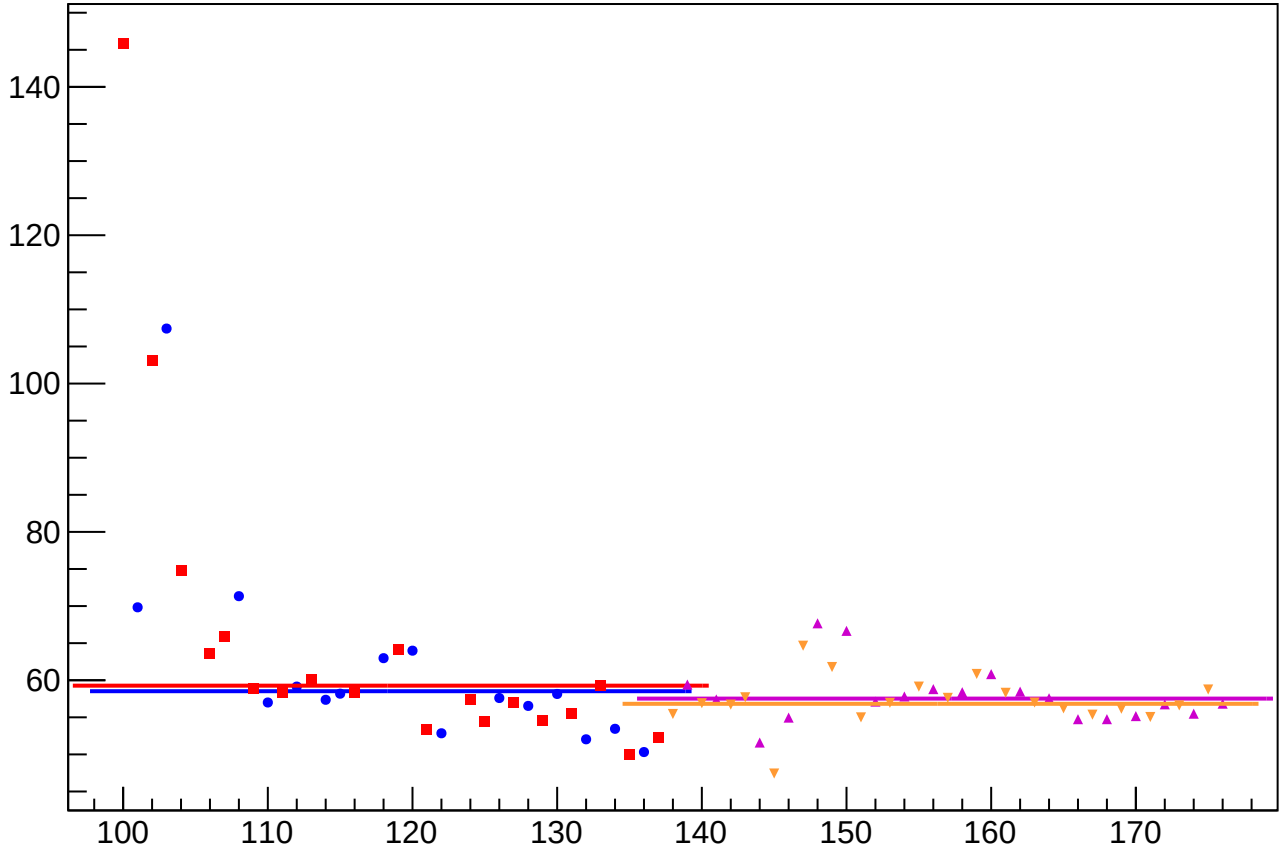
Left In: 103.909+/-14.634 χ^2/NDF:14.7/18

+ sign -65.586+/-12.012 χ^2/NDF: 81.2/35

All: -0.503+/-8.562 χ^2/NDF: 200.2/73

- sign 66.719+/-12.208 χ^2/NDF: 59.3/37

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.821+/-0.010 χ^2/NDF:118215.6/19

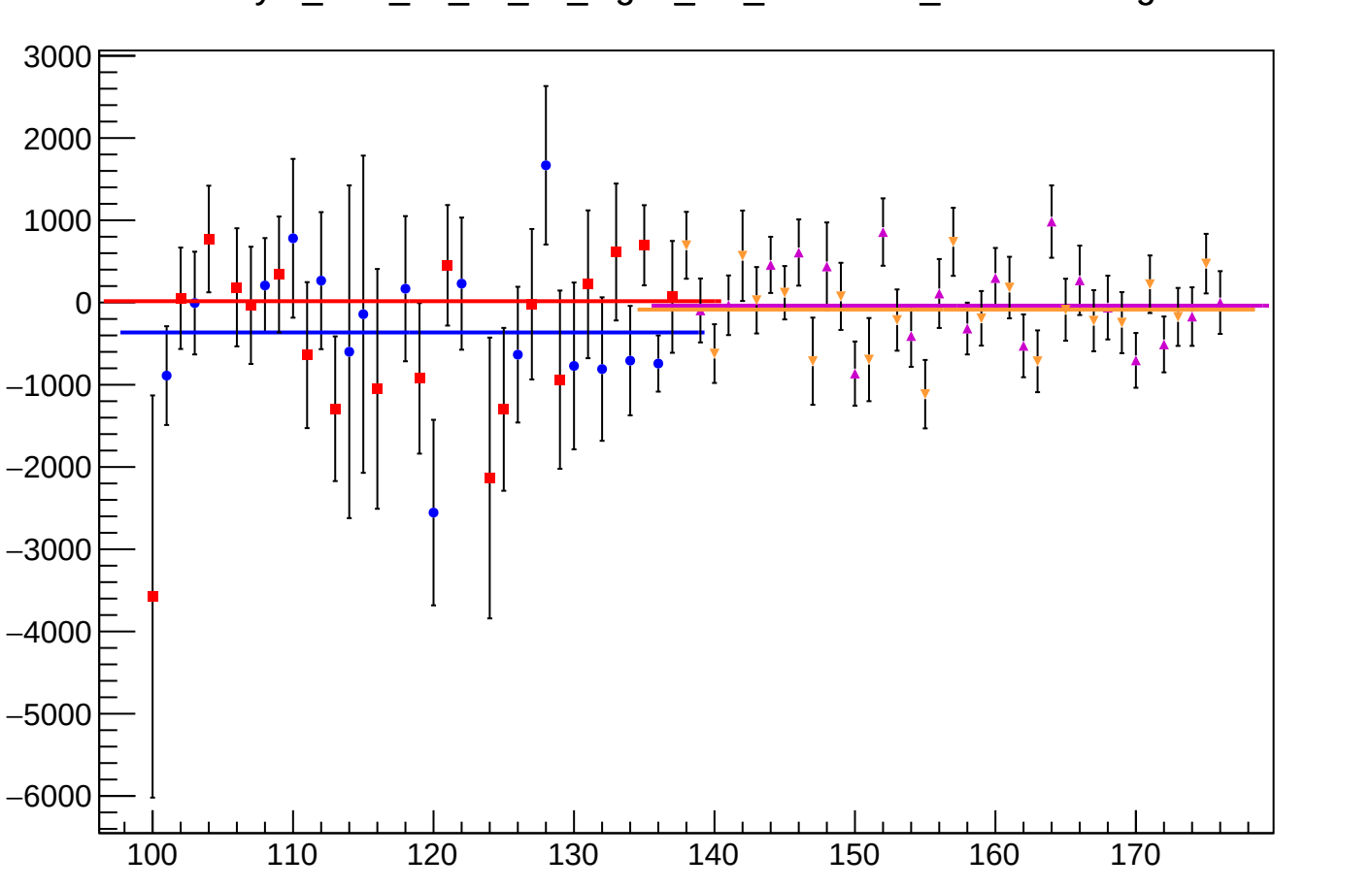
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.524+/-0.010 χ^2/NDF:120254.5/18

+ sign 57.322+/-0.008 χ^2/NDF: 519291.3/35

All: 57.682+/-0.006 χ^2/NDF: 1057474.2/73

- sign 58.055+/-0.009 χ^2/NDF: 534518.8/37



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -85.674+/-86.432 χ^2/NDF:28.0/19

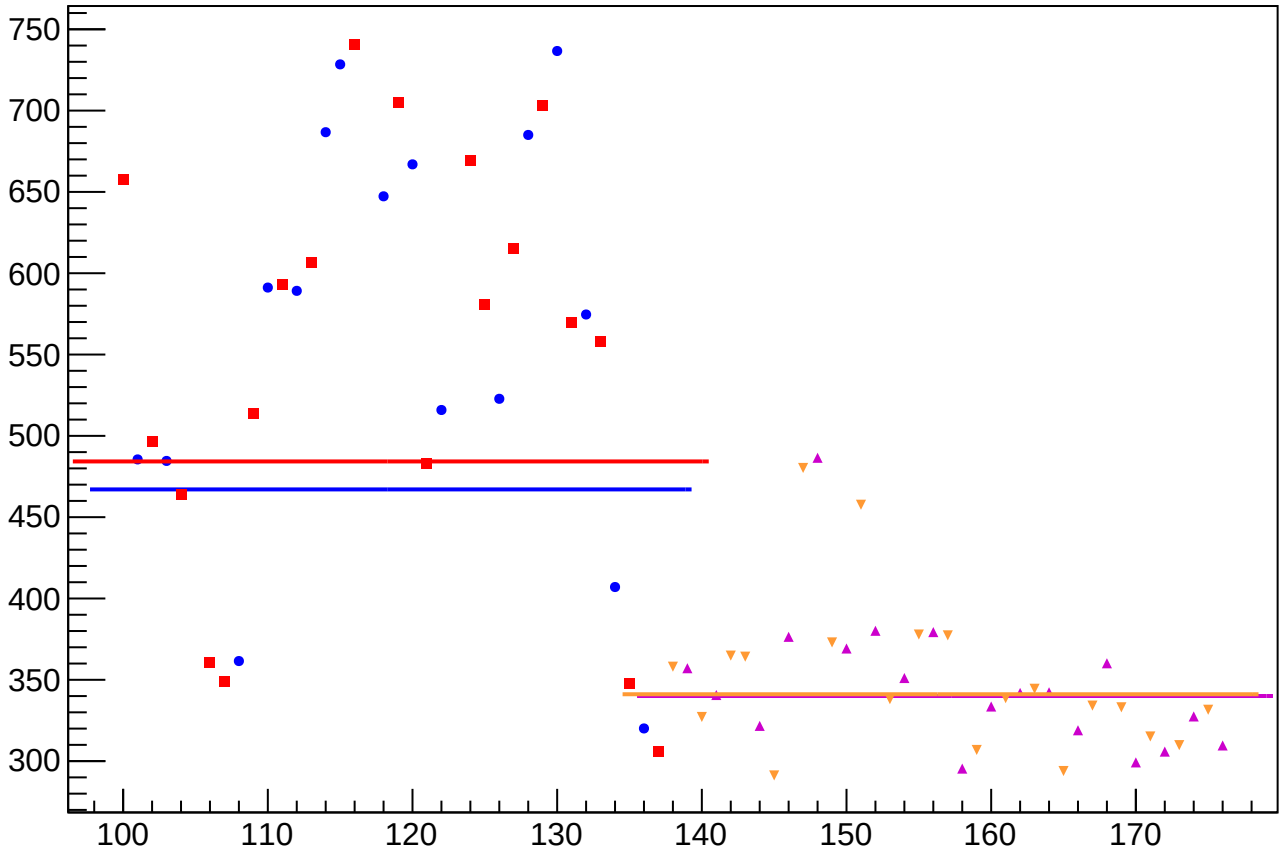
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -38.183+/-86.990 χ^2/NDF:31.1/18

+ sign -137.548+/-77.963 χ^2/NDF: 45.1/35

All: -83.349+/-55.358 χ^2/NDF: 92.4/73

- sign -28.238+/-78.617 χ^2/NDF: 46.3/37



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 341.119+/-0.061 χ^2/NDF:434284.1/19

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

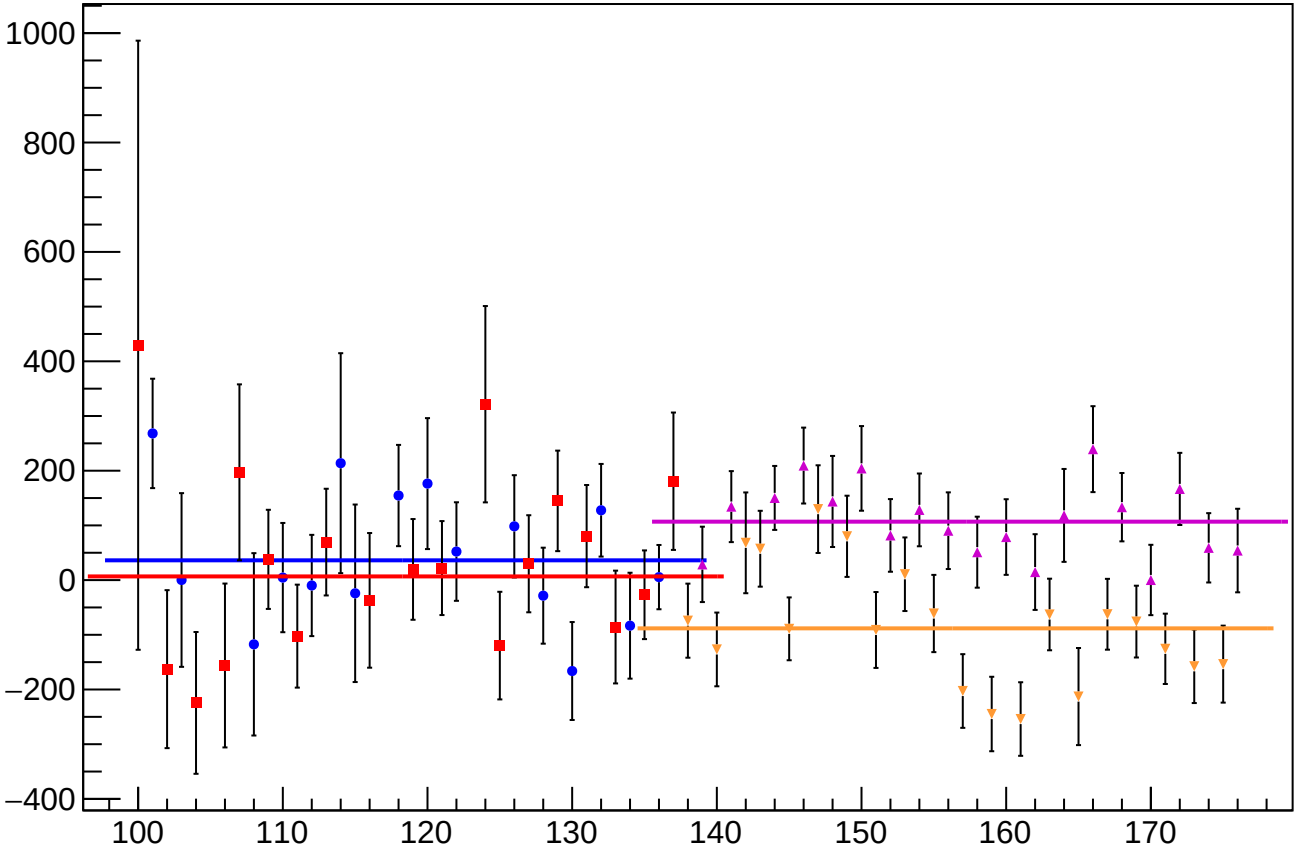
Left In: 340.038+/-0.062 χ^2/NDF:342483.4/18

\+ sign 364.591+/-0.055 χ^2/NDF: 2256024.1/35

All: 365.522+/-0.039 χ^2/NDF: 4495456.7/73

\- sign 366.470+/-0.056 χ^2/NDF: 2238856.6/37

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -88.223+/-15.454 χ^2/NDF:41.3/19

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

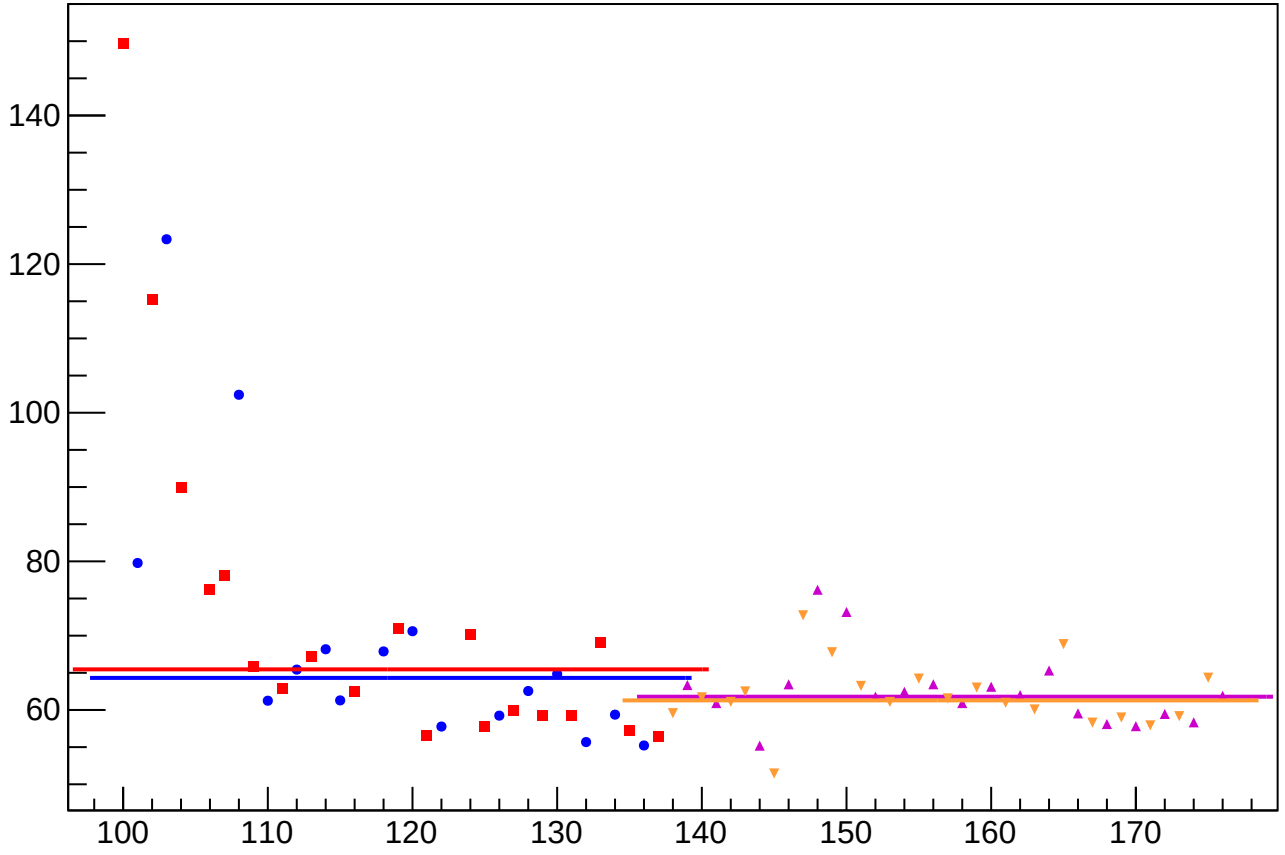
Left In: 106.835+/-15.772 χ^2/NDF:16.6/18

\+ sign -52.761+/-13.067 χ^2/NDF: 79.5/35

All: 11.411+/-9.311 χ^2/NDF: 177.2/73

\- sign 77.616+/-13.272 χ^2/NDF: 48.7/37

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.288+/-0.011 χ^2/NDF:156318.8/19

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

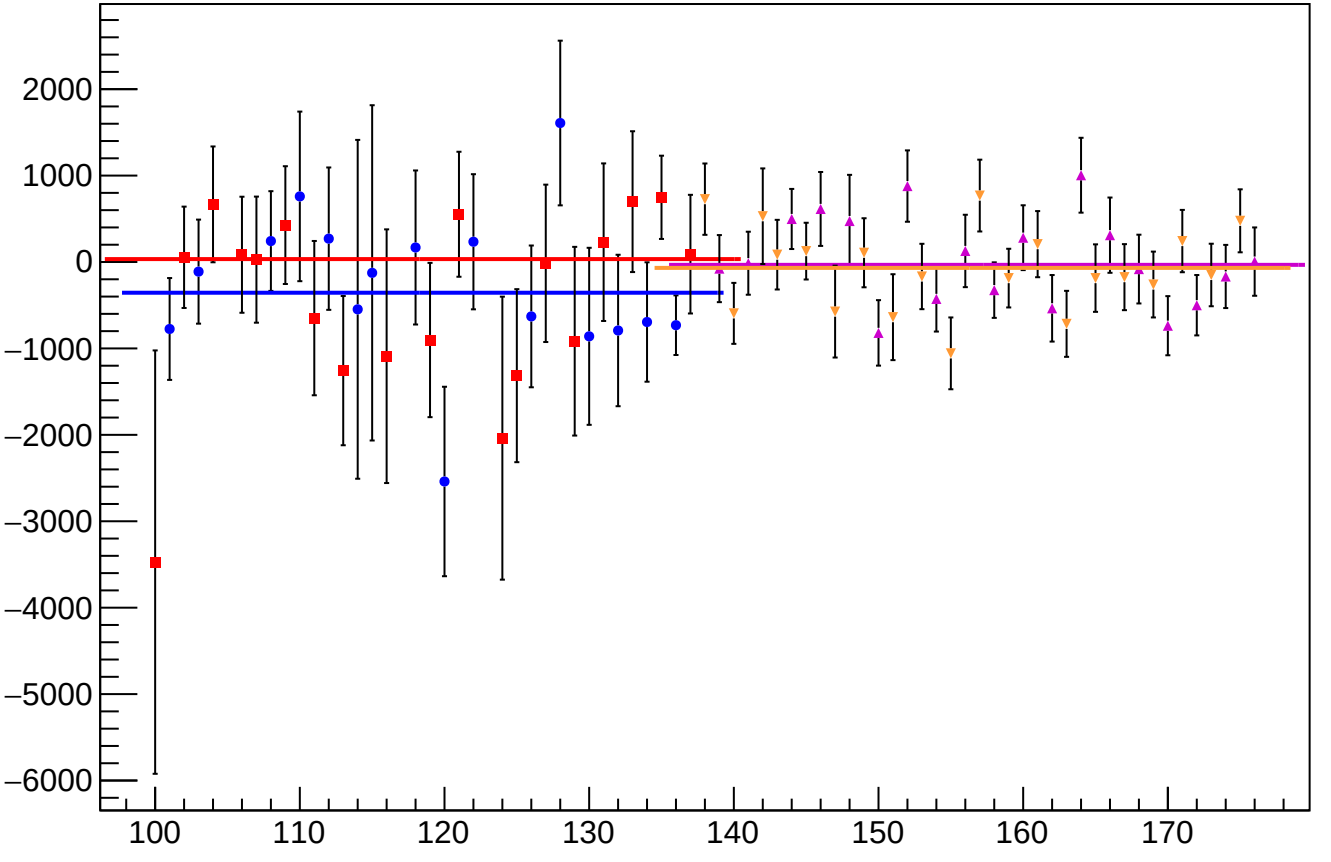
Left In: 61.785+/-0.011 χ^2/NDF:161556.8/18

+ sign 62.151+/-0.009 χ^2/NDF: 710277.7/35

All: 62.500+/-0.007 χ^2/NDF: 1388882.0/73

- sign 62.860+/-0.009 χ^2/NDF: 675711.3/37

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -68.148+/-87.516 χ^2/NDF:26.8/19

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

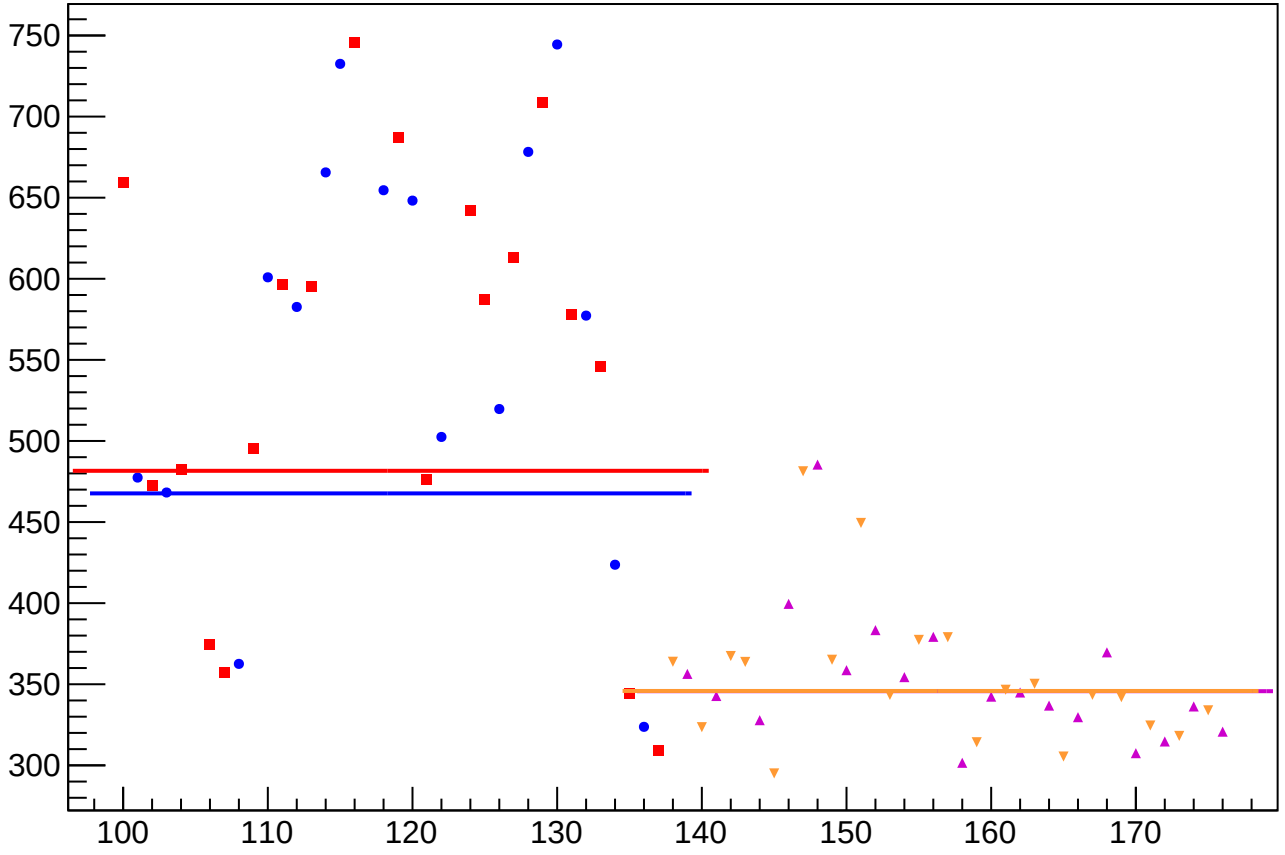
Left In: -32.893+/-88.382 χ^2/NDF:31.7/18

+ sign -122.928+/-78.734 χ^2/NDF: 43.6/35

All: -72.000+/-55.931 χ^2/NDF: 91.7/73

- sign -20.119+/-79.467 χ^2/NDF: 47.2/37

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 345.858+/-0.062 χ^2/NDF:372713.4/19

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

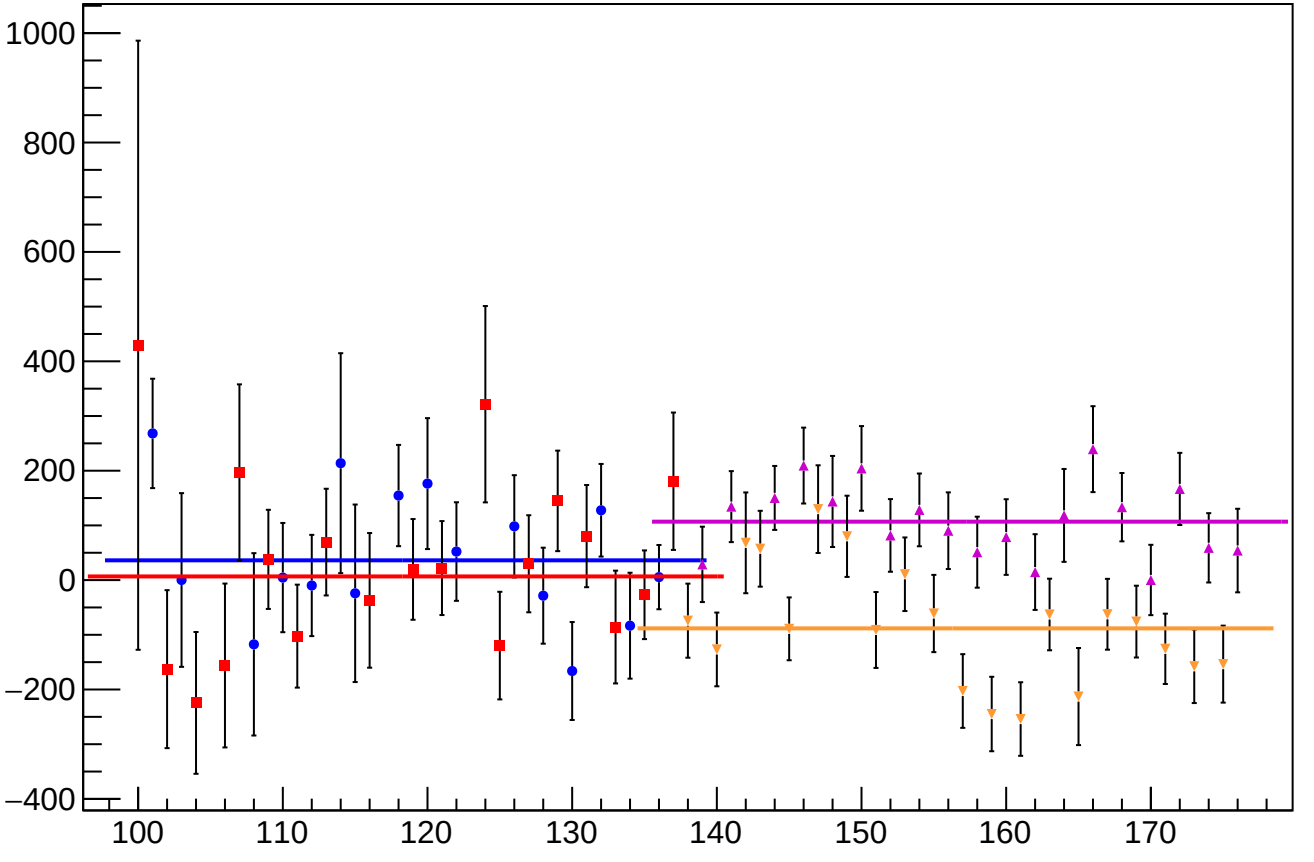
Left In: 345.722+/-0.062 χ^2/NDF:306989.0/18

+ sign 369.079+/-0.056 χ^2/NDF: 2097303.3/35

All: 370.403+/-0.040 χ^2/NDF: 4165289.3/73

- sign 371.752+/-0.056 χ^2/NDF: 2066843.7/37

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -88.222+/-15.454 χ^2/NDF:41.3/19

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

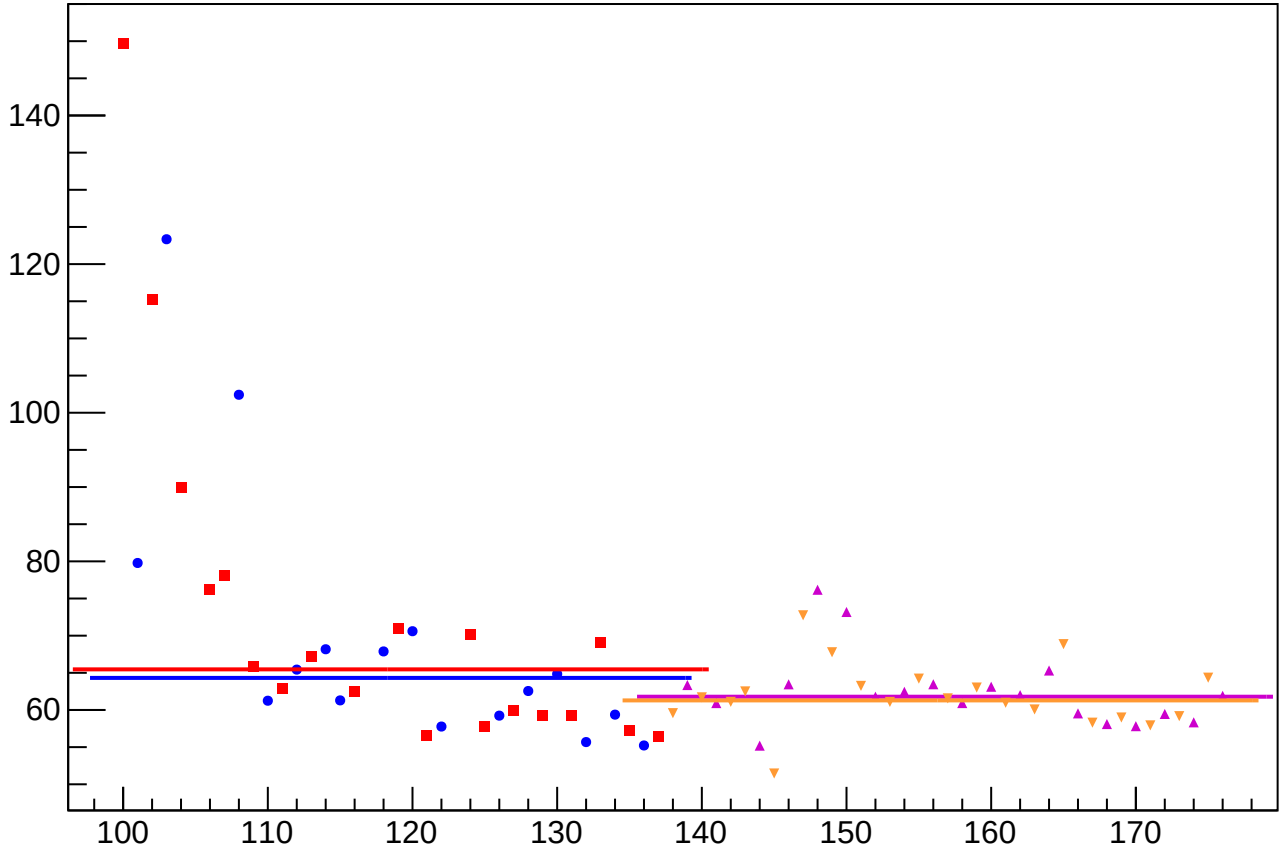
Left In: 106.835+/-15.772 χ^2/NDF:16.6/18

+ sign -52.761+/-13.067 χ^2/NDF: 79.5/35

All: 11.412+/-9.311 χ^2/NDF: 177.2/73

- sign 77.616+/-13.272 χ^2/NDF: 48.7/37

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.288+/-0.011 χ^2/NDF:156322.9/19

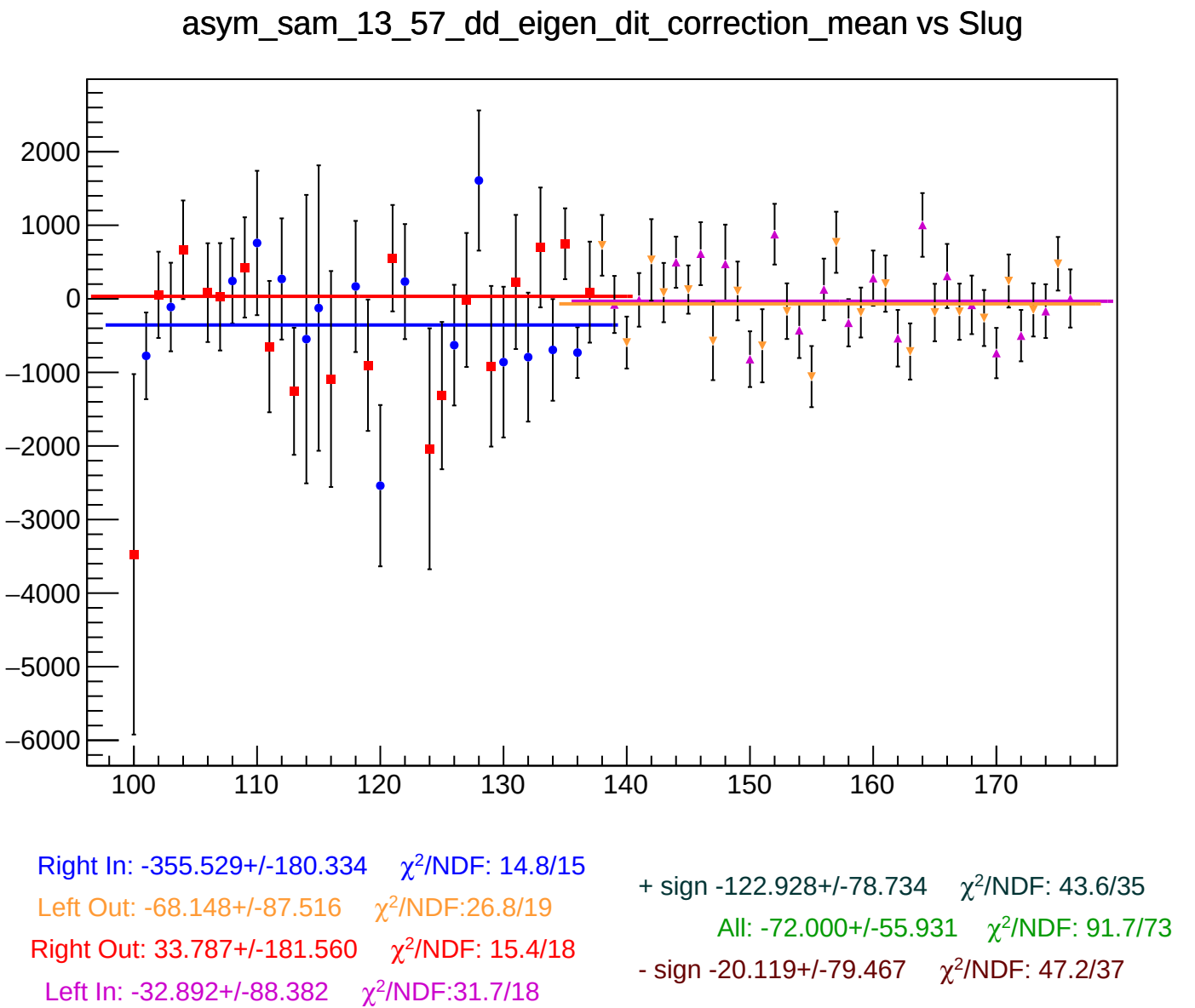
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

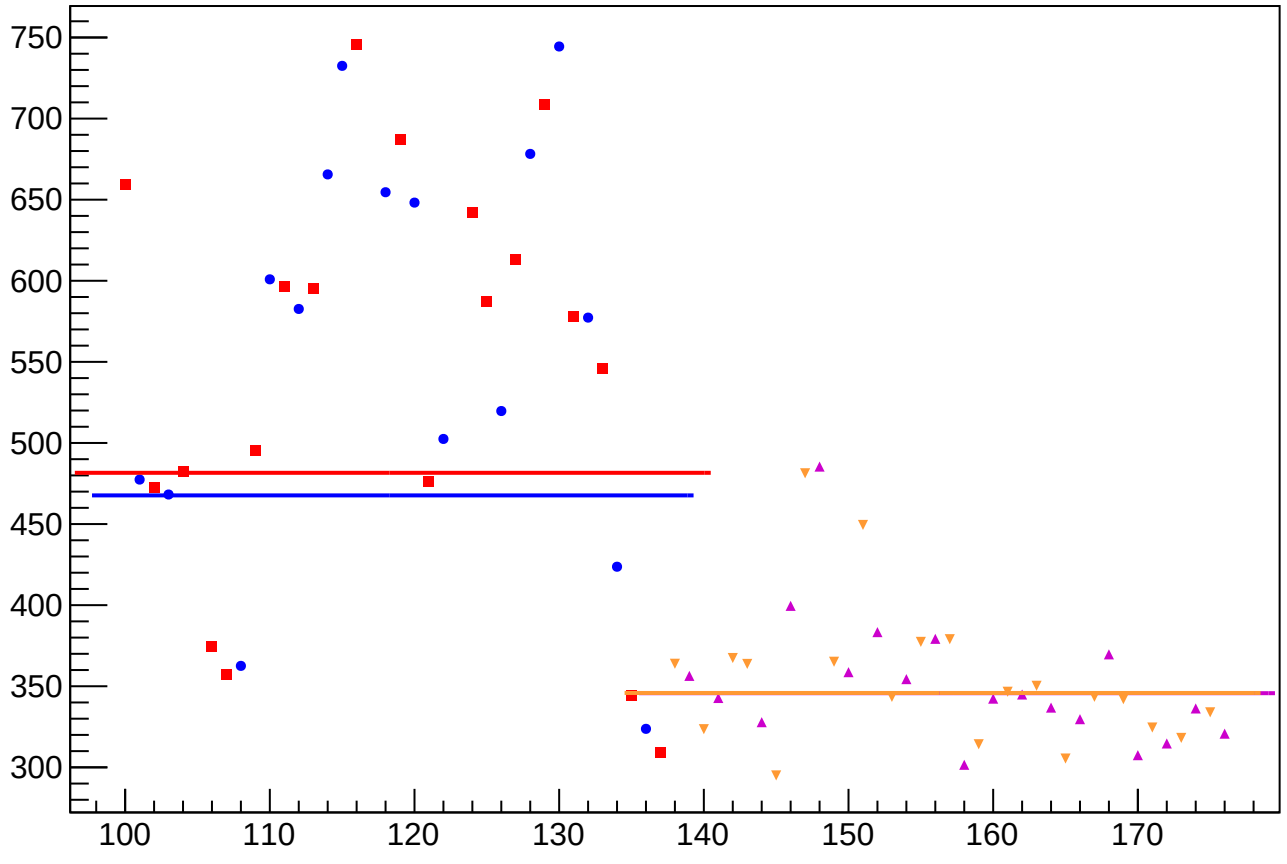
Left In: 61.785+/-0.011 χ^2/NDF:161559.6/18

+ sign 62.151+/-0.009 χ^2/NDF: 710288.3/35

All: 62.500+/-0.007 χ^2/NDF: 1388899.1/73

- sign 62.860+/-0.009 χ^2/NDF: 675718.0/37


asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
170
Right In: -355.529+/-180.334 χ²/NDF: 14.8/15
Left Out: -68.148+/-87.516 χ²/NDF:26.8/19
Right Out: 33.787+/-181.560 χ²/NDF: 15.4/18
Left In: -32.892+/-88.382 χ²/NDF:31.7/18
+ sign -122.928+/-78.734 χ²/NDF: 43.6/35
All: -72.000+/-55.931 χ²/NDF: 91.7/73
- sign -20.119+/-79.467 χ²/NDF: 47.2/37



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 345.858+/-0.062 χ^2/NDF:372712.6/19

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

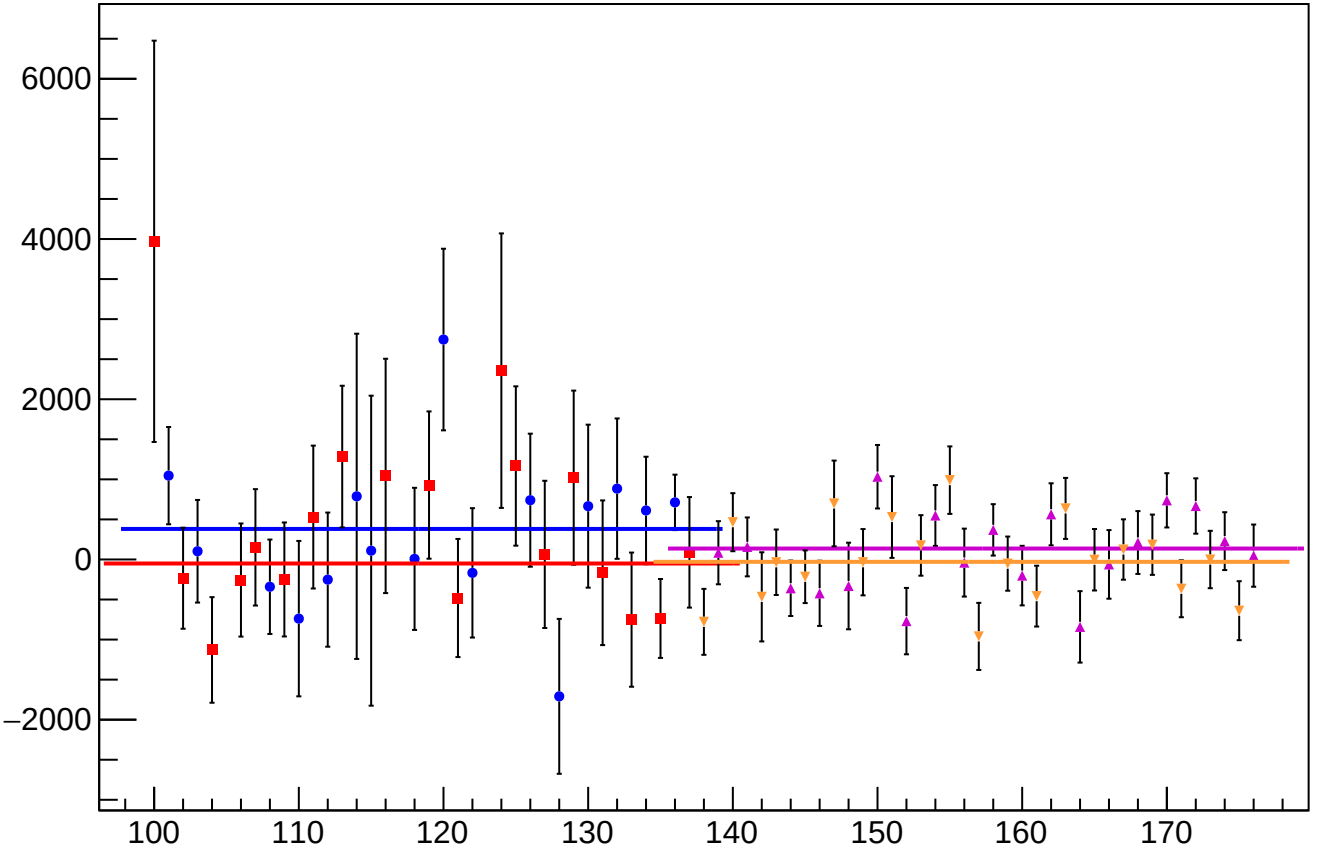
Left In: 345.722+/-0.062 χ^2/NDF:306990.1/18

+ sign 369.079+/-0.056 χ^2/NDF: 2097297.2/35

All: 370.403+/-0.040 χ^2/NDF: 4165274.7/73

- sign 371.752+/-0.056 χ^2/NDF: 2066835.2/37

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -29.624+/-87.672 χ^2/NDF:28.8/19

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

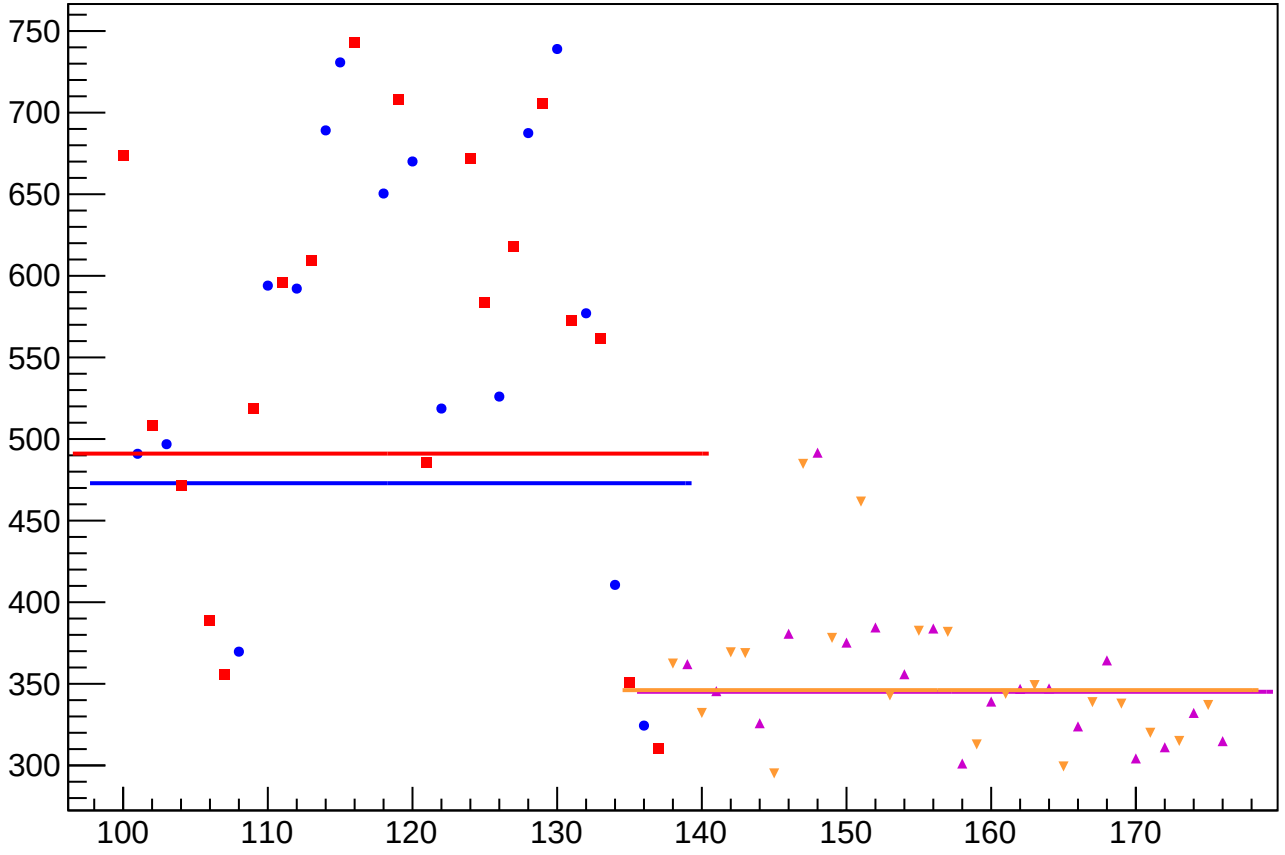
Left In: 136.291+/-88.267 χ^2/NDF:29.2/18

\+ sign 47.280+/-79.039 χ^2/NDF: 49.0/35

All: 74.295+/-56.116 χ^2/NDF: 96.8/73

\- sign 101.754+/-79.685 χ^2/NDF: 47.5/37

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 346.125+/-0.062 χ^2/NDF:420759.2/19

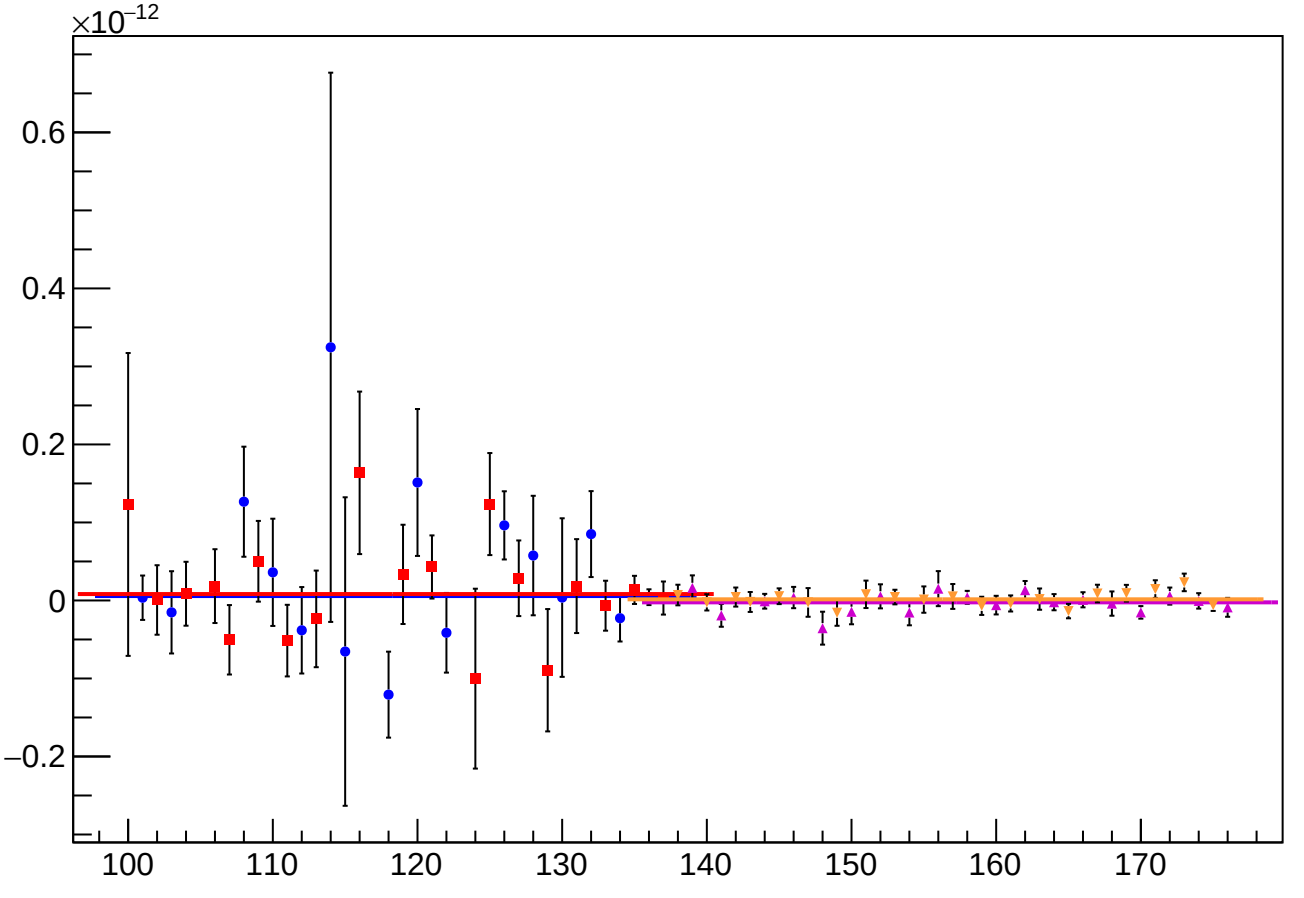
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 345.124+/-0.062 χ^2/NDF:331144.1/18

+ sign 369.868+/-0.056 χ^2/NDF: 2204388.2/35

All: 370.986+/-0.040 χ^2/NDF: 4395313.9/73

- sign 372.123+/-0.056 χ^2/NDF: 2190118.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

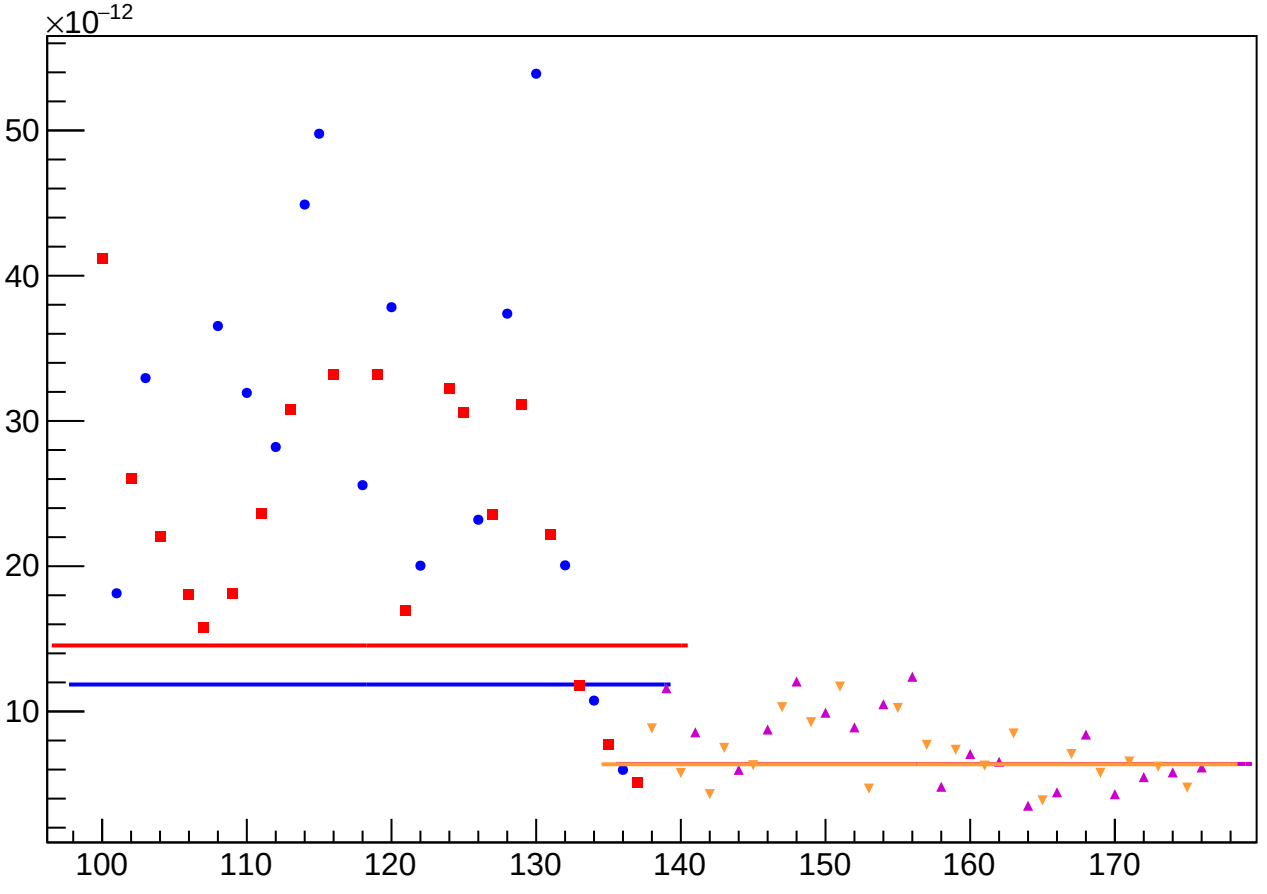
Left In: -0.000+/-0.000 χ^2/NDF:13.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 33.9/35

All: 0.000+/-0.000 χ^2/NDF: 63.4/73

- sign -0.000+/-0.000 χ^2/NDF: 28.6/37

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:986932.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

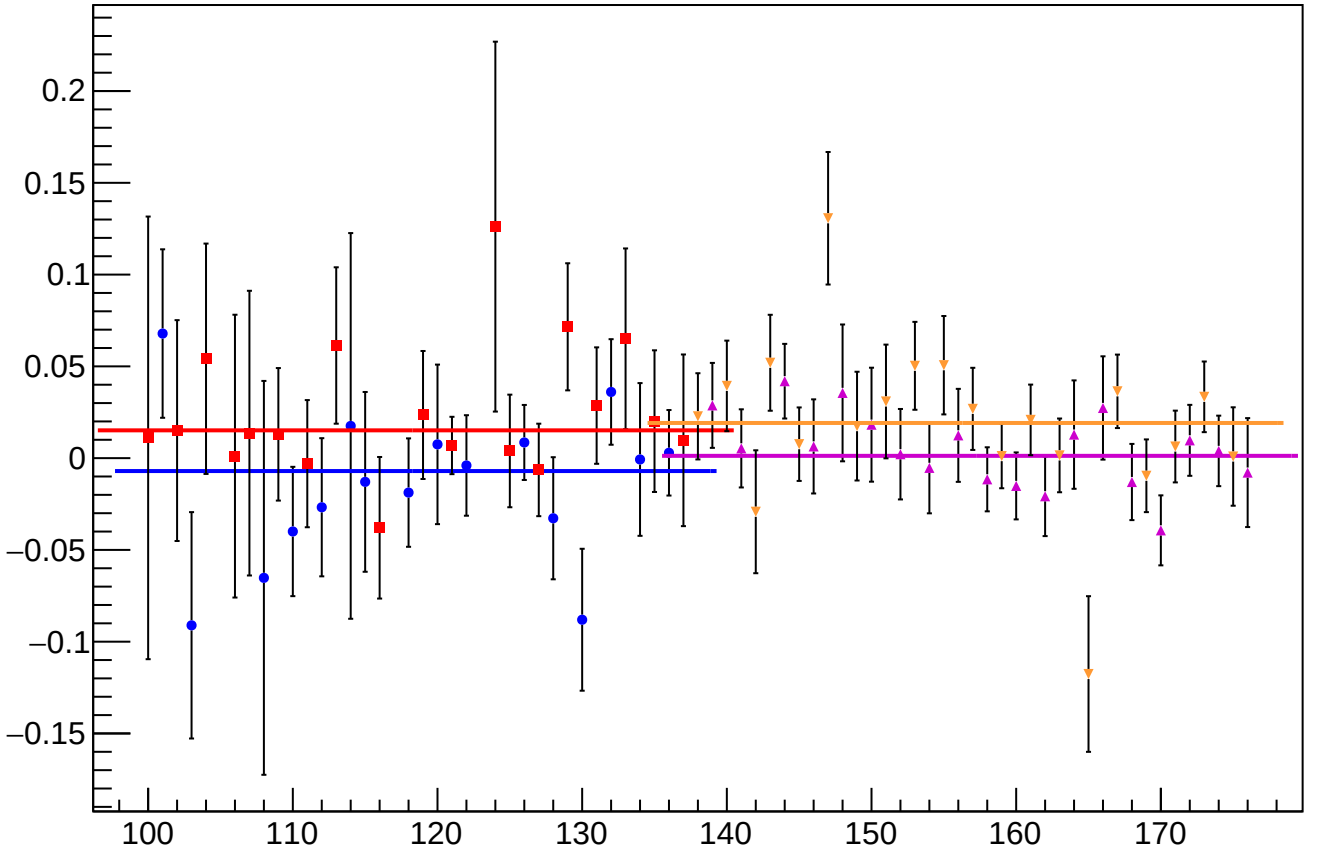
Left In: 0.000+/-0.000 χ^2/NDF:1384181.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 4669572.3/35

All: 0.000+/-0.000 χ^2/NDF: 9247510.3/73

- sign 0.000+/-0.000 χ^2/NDF: 4573751.1/37

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: 0.019+/-0.005 χ^2/NDF:34.1/19

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

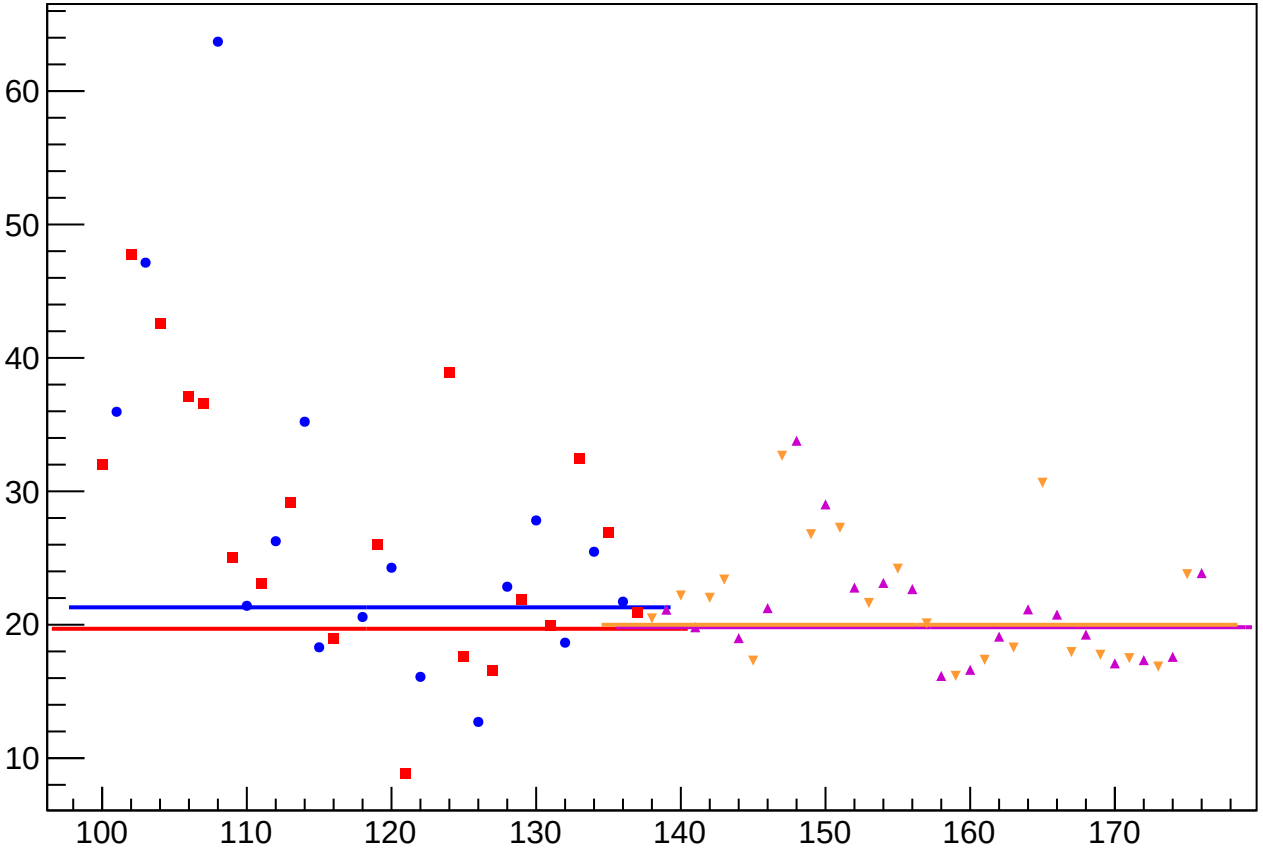
Left In: 0.001+/-0.005 χ^2/NDF:15.6/18

+ sign 0.012+/-0.004 χ^2/NDF: 55.2/35

All: 0.009+/-0.003 χ^2/NDF: 84.2/73

- sign 0.005+/-0.004 χ^2/NDF: 27.7/37

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 19.997+/-0.004 χ^2/NDF:1058807.4/19

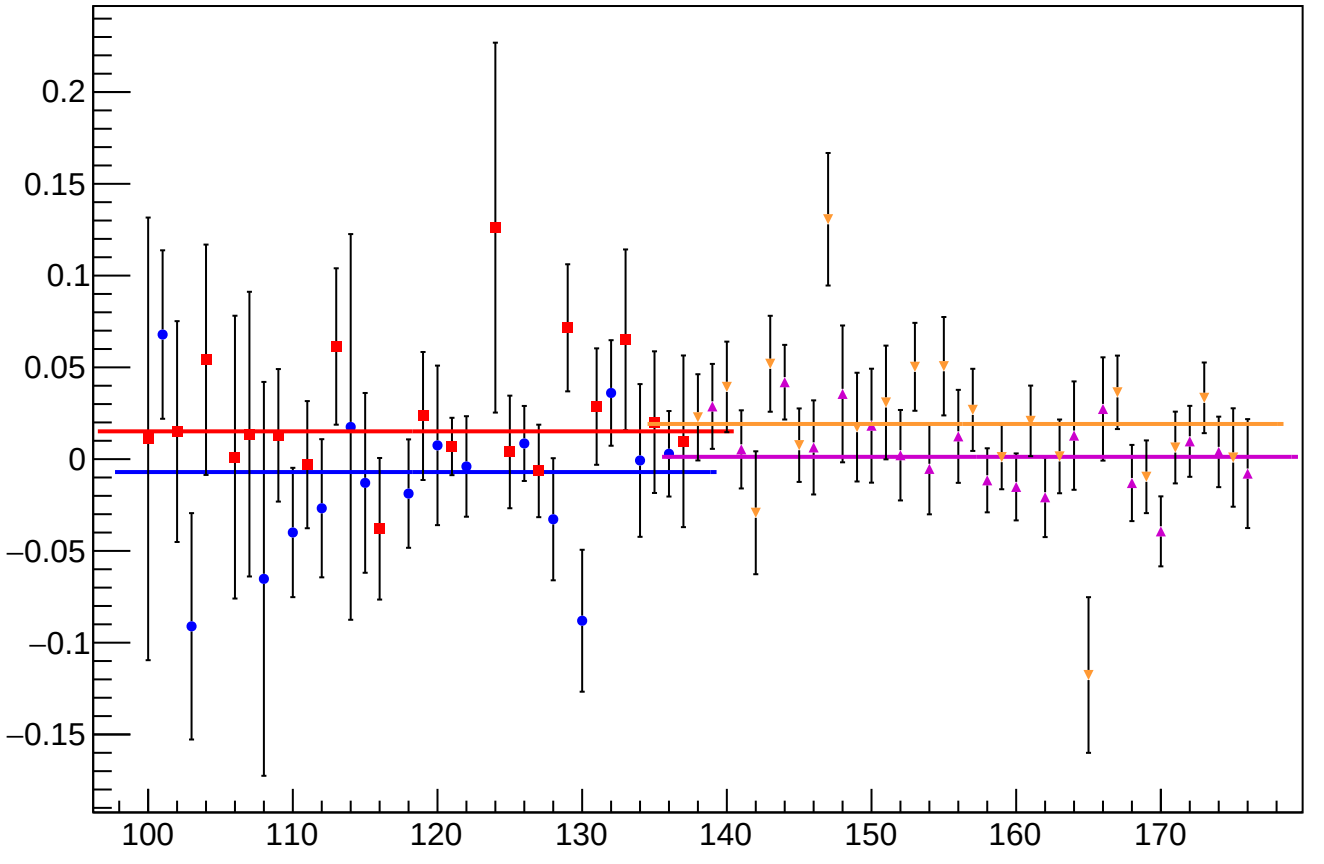
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.813+/-0.004 χ^2/NDF:859328.2/18

+ sign 20.345+/-0.003 χ^2/NDF: 2572007.5/35

All: 20.059+/-0.002 χ^2/NDF: 5886938.6/73

- sign 19.780+/-0.003 χ^2/NDF: 3298591.8/37



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:34.1/19

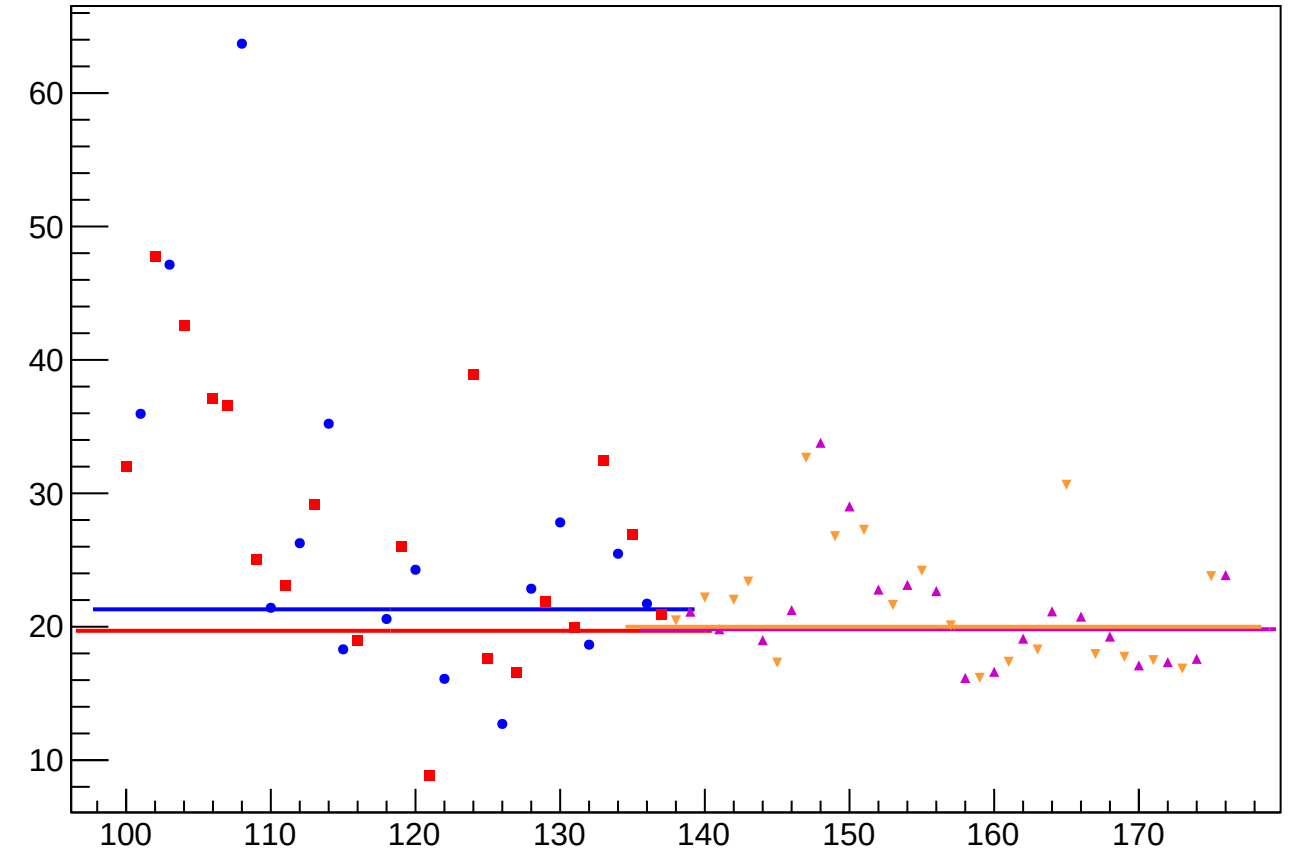
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:15.6/18

+ sign 0.012+/-0.004 χ^2/NDF: 55.2/35

All: 0.009+/-0.003 χ^2/NDF: 84.2/73

- sign 0.005+/-0.004 χ^2/NDF: 27.7/37



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 19.997+/-0.004 χ^2/NDF:1058807.4/19

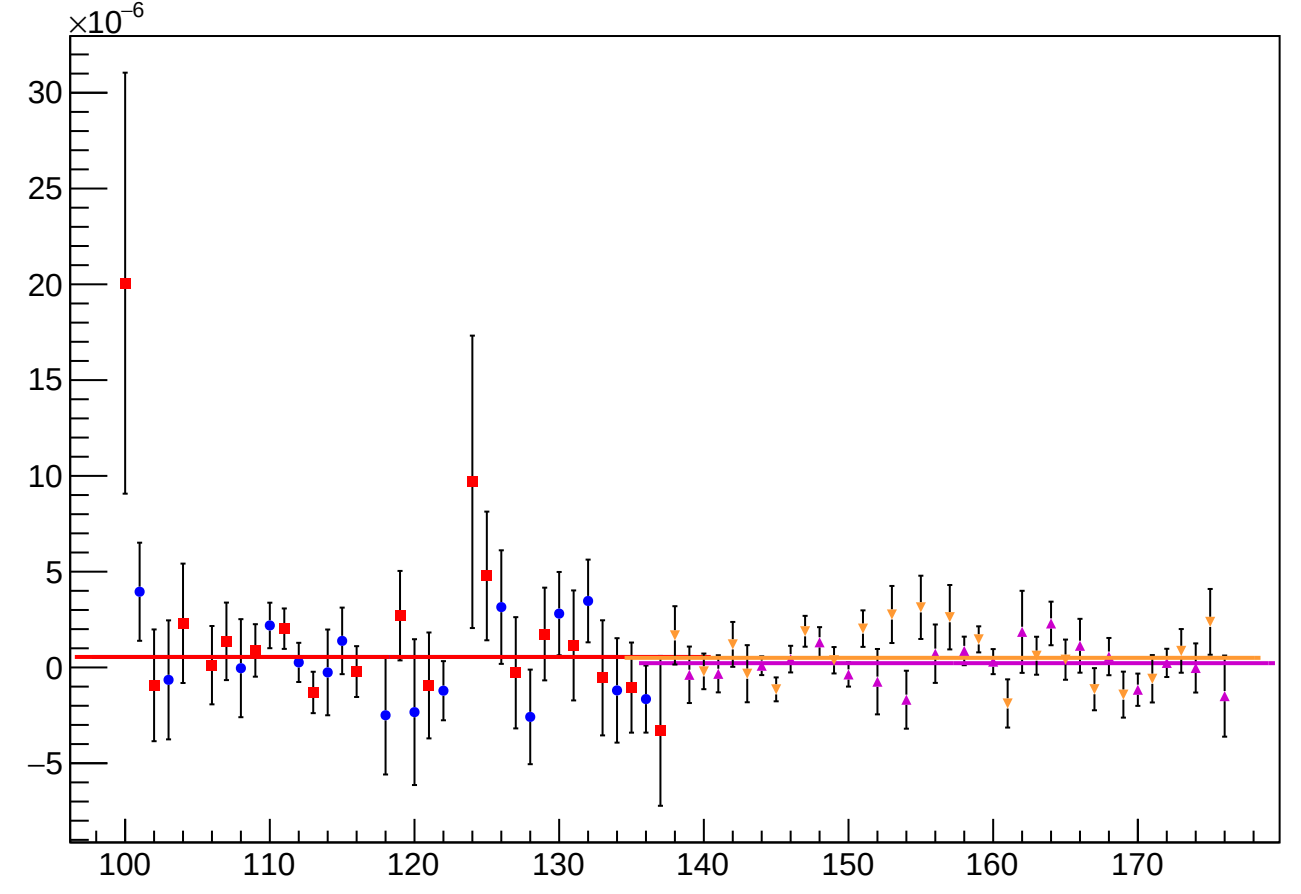
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.813+/-0.004 χ^2/NDF:859328.2/18

+ sign 20.345+/-0.003 χ^2/NDF: 2572007.5/35

All: 20.059+/-0.002 χ^2/NDF: 5886938.6/73

- sign 19.780+/-0.003 χ^2/NDF: 3298591.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/19

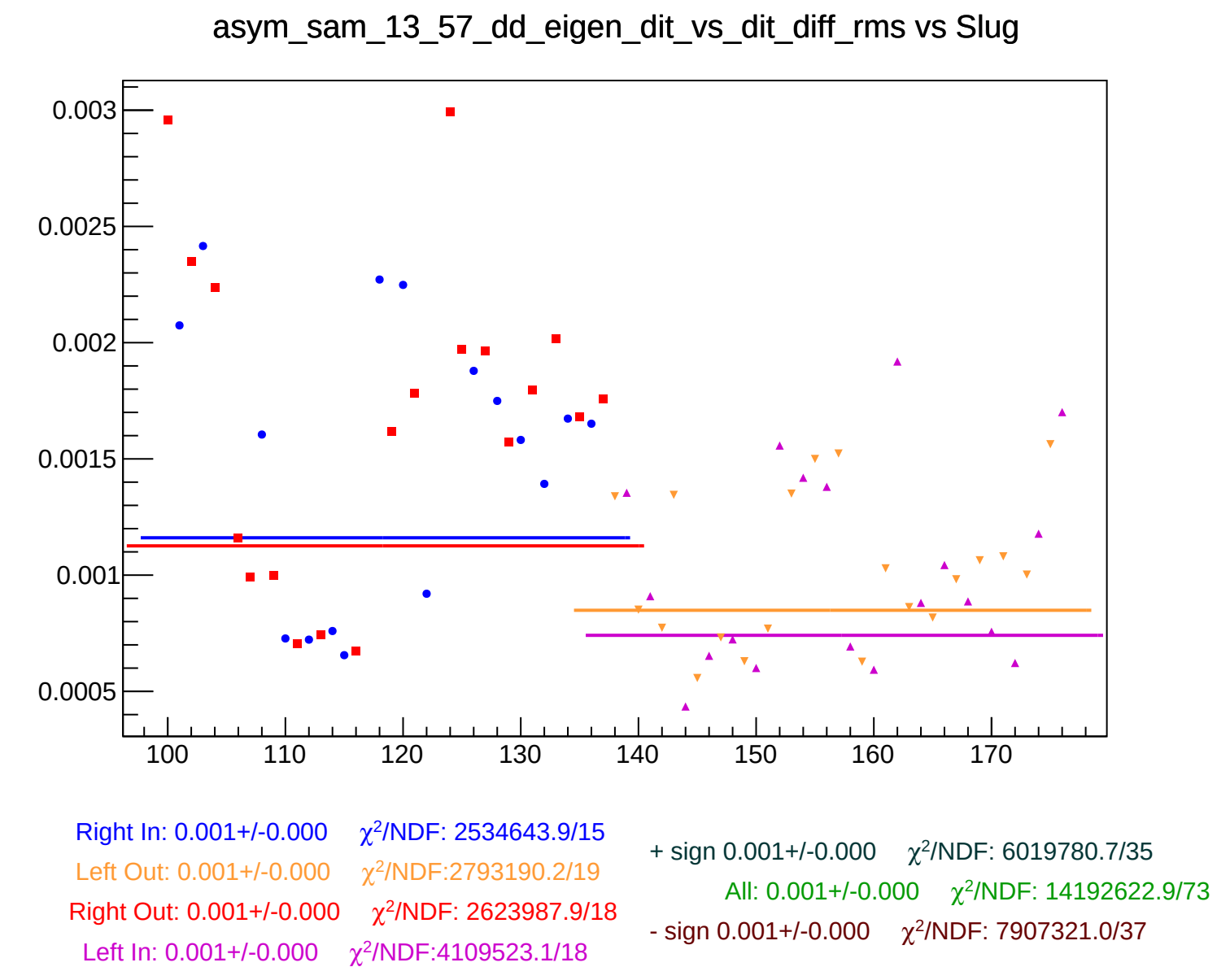
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

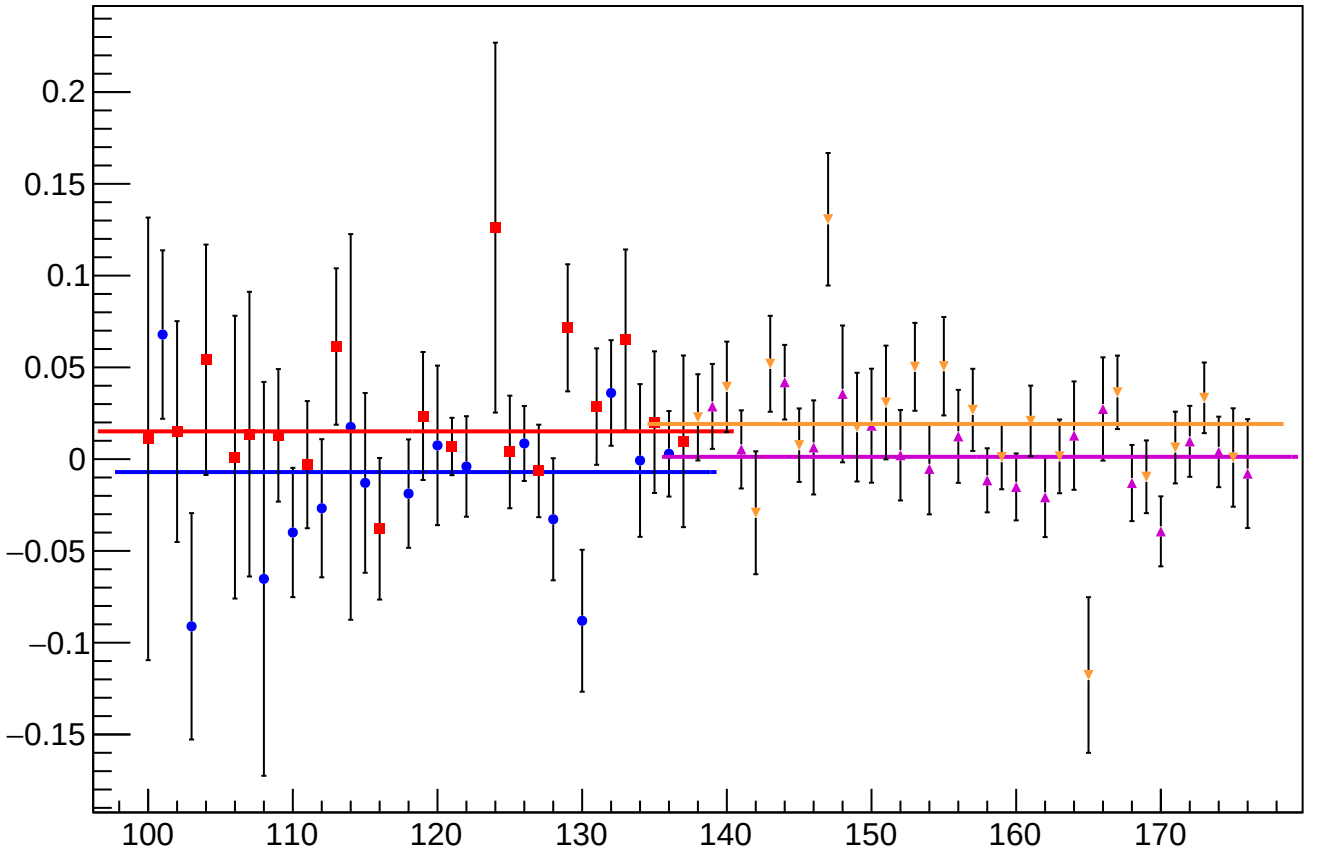
Left In: 0.000+/-0.000 χ^2/NDF:14.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 47.7/35

All: 0.000+/-0.000 χ^2/NDF: 78.2/73

- sign 0.000+/-0.000 χ^2/NDF: 29.8/37


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2793190.2/19
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:4109523.1/18
+ sign 0.001+/-0.000 χ²/NDF: 6019780.7/35
All: 0.001+/-0.000 χ²/NDF: 14192622.9/73
- sign 0.001+/-0.000 χ²/NDF: 7907321.0/37



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:34.1/19

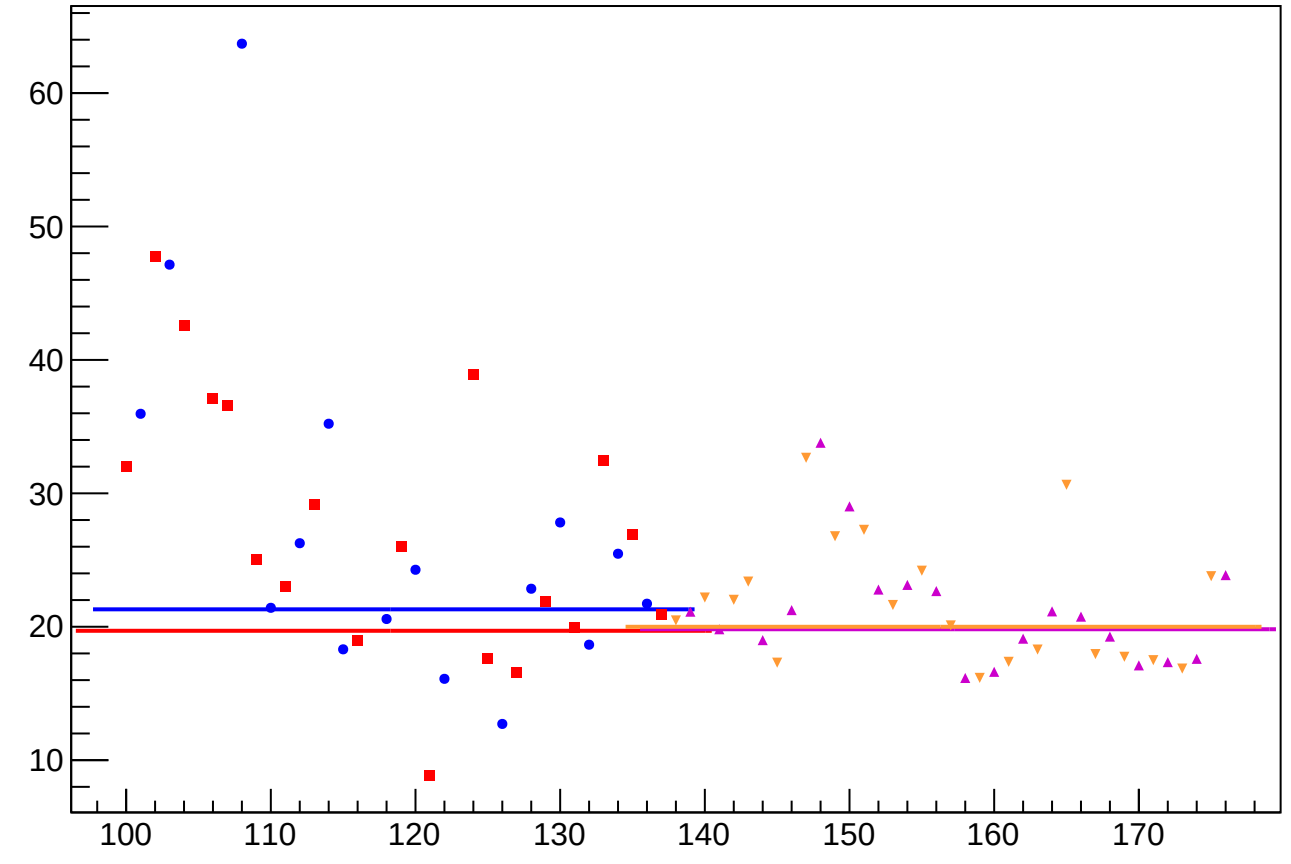
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:15.6/18

+ sign 0.012+/-0.004 χ^2/NDF: 55.2/35

All: 0.009+/-0.003 χ^2/NDF: 84.2/73

- sign 0.005+/-0.004 χ^2/NDF: 27.7/37



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 19.997+/-0.004 χ^2/NDF:1058927.5/19

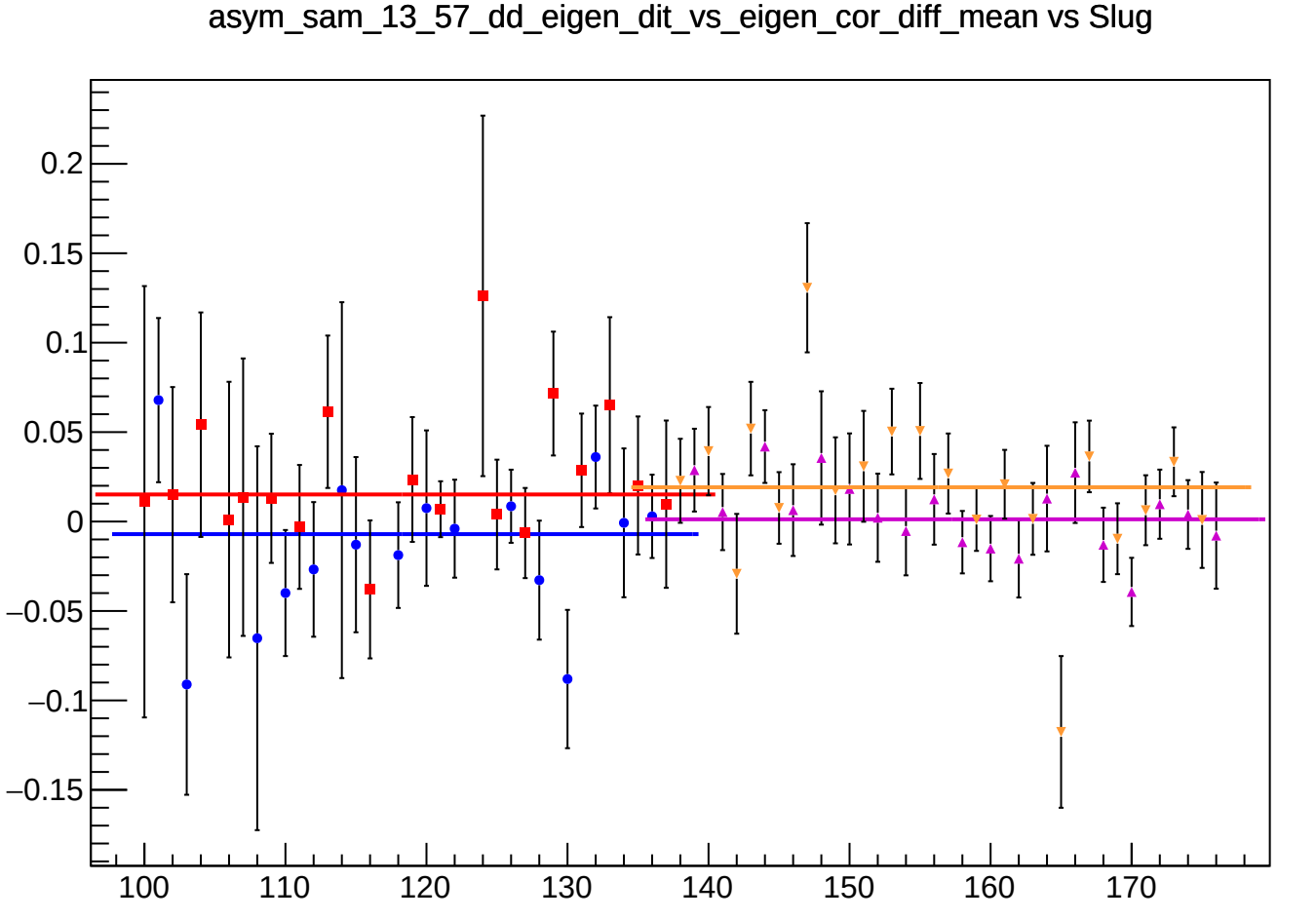
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

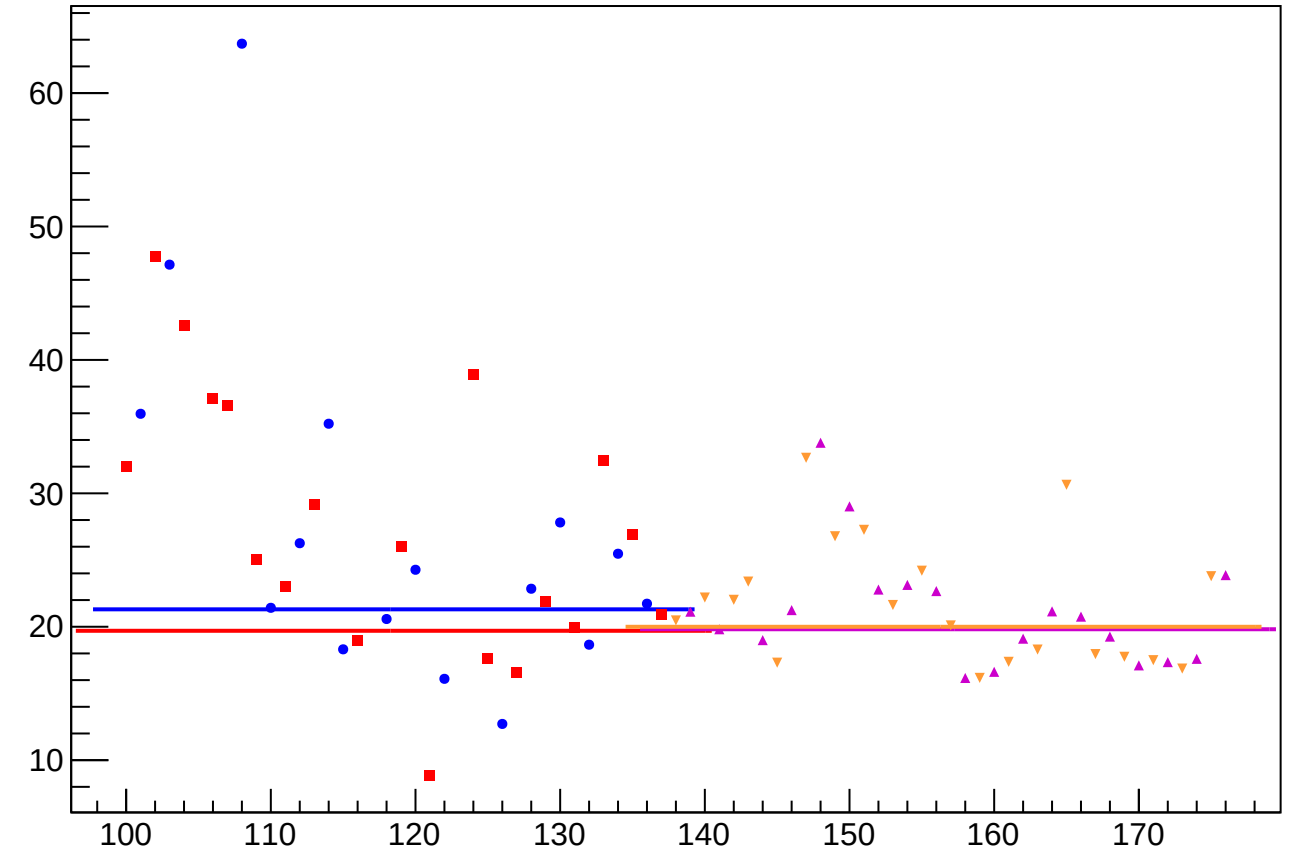
Left In: 19.813+/-0.004 χ^2/NDF:859378.7/18

\+ sign 20.345+/-0.003 χ^2/NDF: 2571976.4/35

All: 20.059+/-0.002 χ^2/NDF: 5886579.3/73

\- sign 19.780+/-0.003 χ^2/NDF: 3298272.4/37


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
170
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.019+/-0.005 χ²/NDF:34.1/19
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.001+/-0.005 χ²/NDF:15.6/18
+ sign 0.012+/-0.004 χ²/NDF: 55.2/35
All: 0.009+/-0.003 χ²/NDF: 84.2/73
- sign 0.005+/-0.004 χ²/NDF: 27.7/37



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 19.997+/-0.004 χ^2/NDF:1058927.5/19

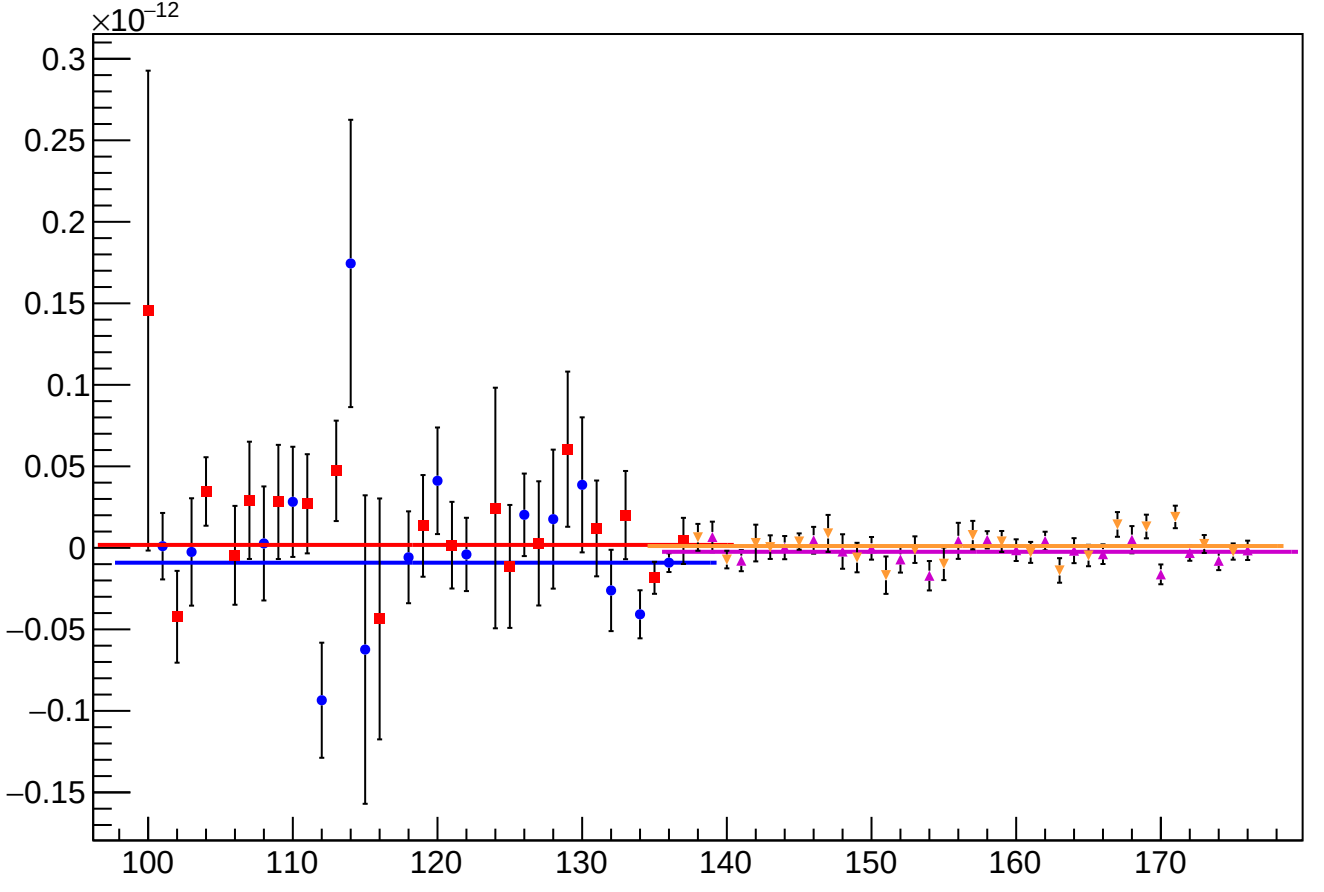
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.813+/-0.004 χ^2/NDF:859378.7/18

+ sign 20.345+/-0.003 χ^2/NDF: 2571976.4/35

All: 20.059+/-0.002 χ^2/NDF: 5886579.3/73

- sign 19.780+/-0.003 χ^2/NDF: 3298272.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.7/19

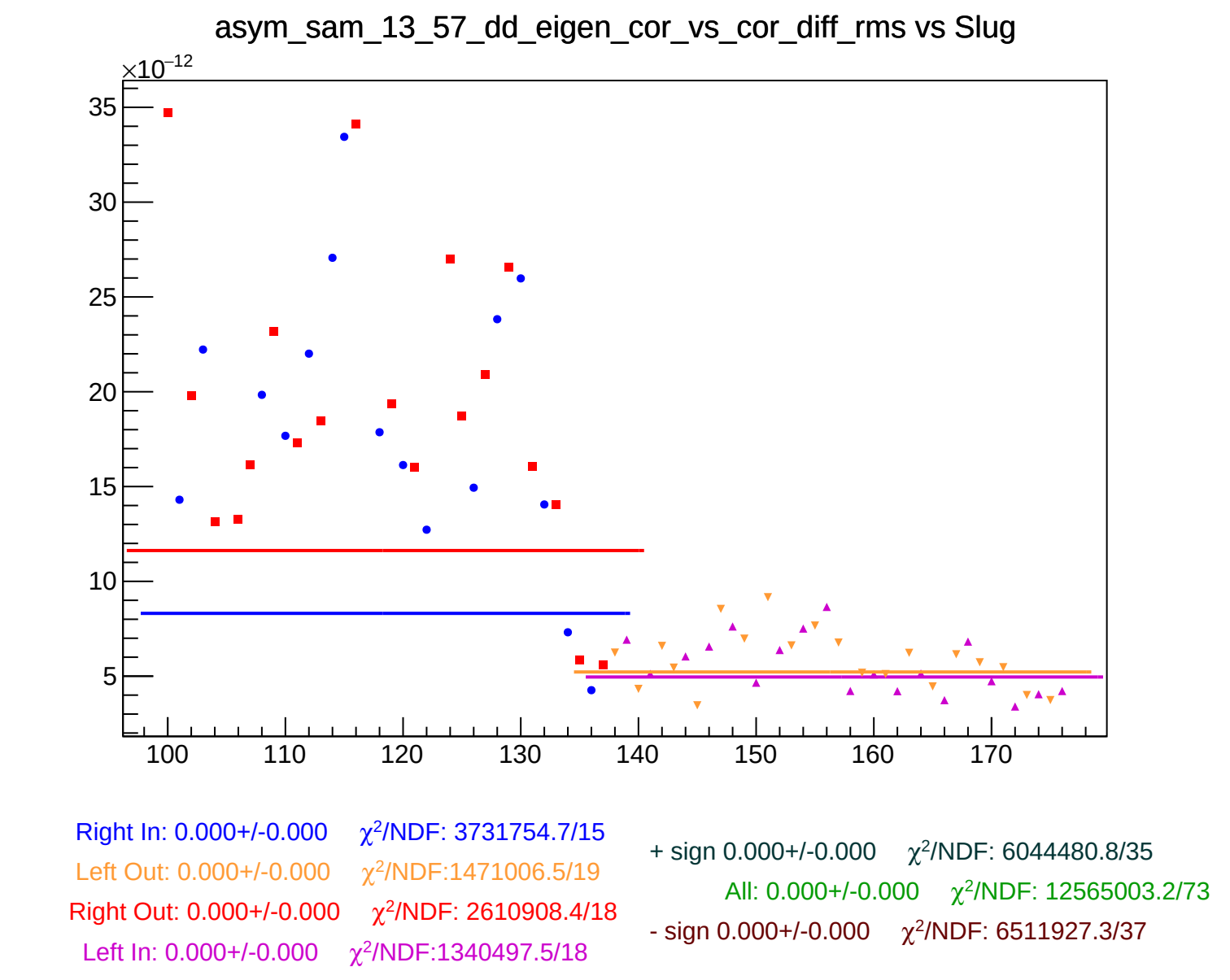
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/18

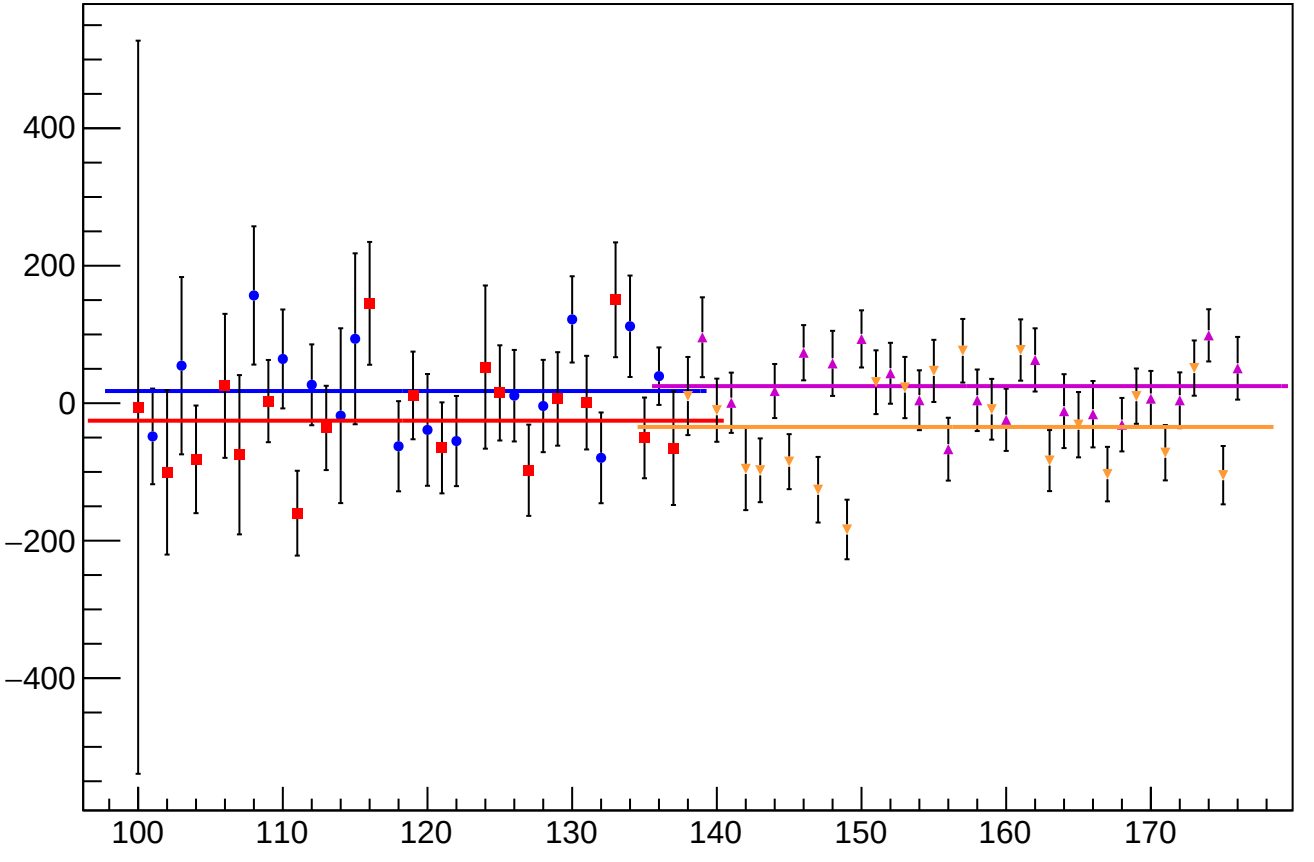
+ sign 0.000+/-0.000 χ^2/NDF: 53.9/35

All: -0.000+/-0.000 χ^2/NDF: 88.7/73

- sign -0.000+/-0.000 χ^2/NDF: 33.7/37


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1471006.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:1340497.5/18
+ sign 0.000+/-0.000 χ²/NDF: 6044480.8/35
All: 0.000+/-0.000 χ²/NDF: 12565003.2/73
- sign 0.000+/-0.000 χ²/NDF: 6511927.3/37

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -34.552+/-9.973 χ^2/NDF:53.7/19

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

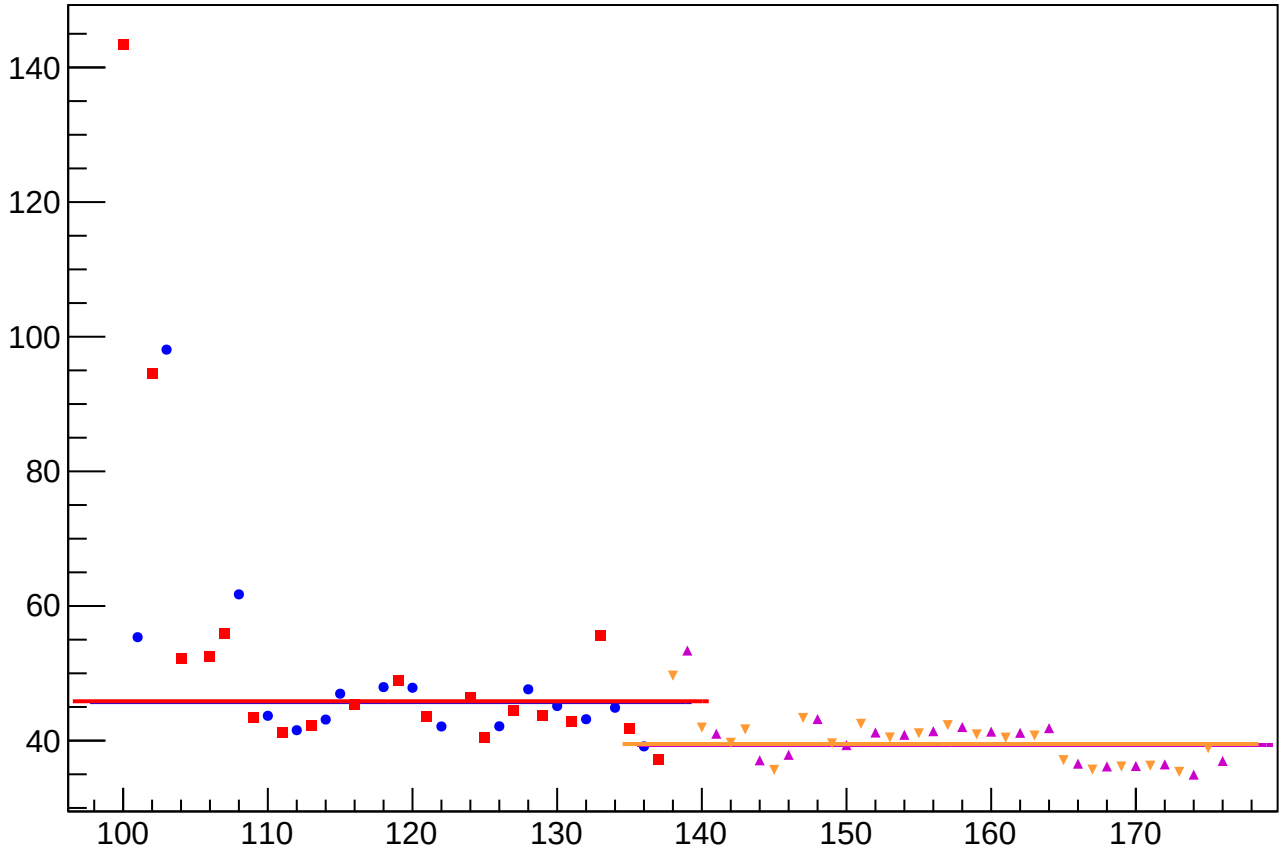
Left In: 24.840+/-10.043 χ^2/NDF:20.8/18

+ sign -21.709+/-8.661 χ^2/NDF: 74.4/35

All: -4.809+/-6.135 χ^2/NDF: 127.0/73

- sign 12.206+/-8.690 χ^2/NDF: 45.0/37

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.504+/-0.007 χ^2/NDF:200846.7/19

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

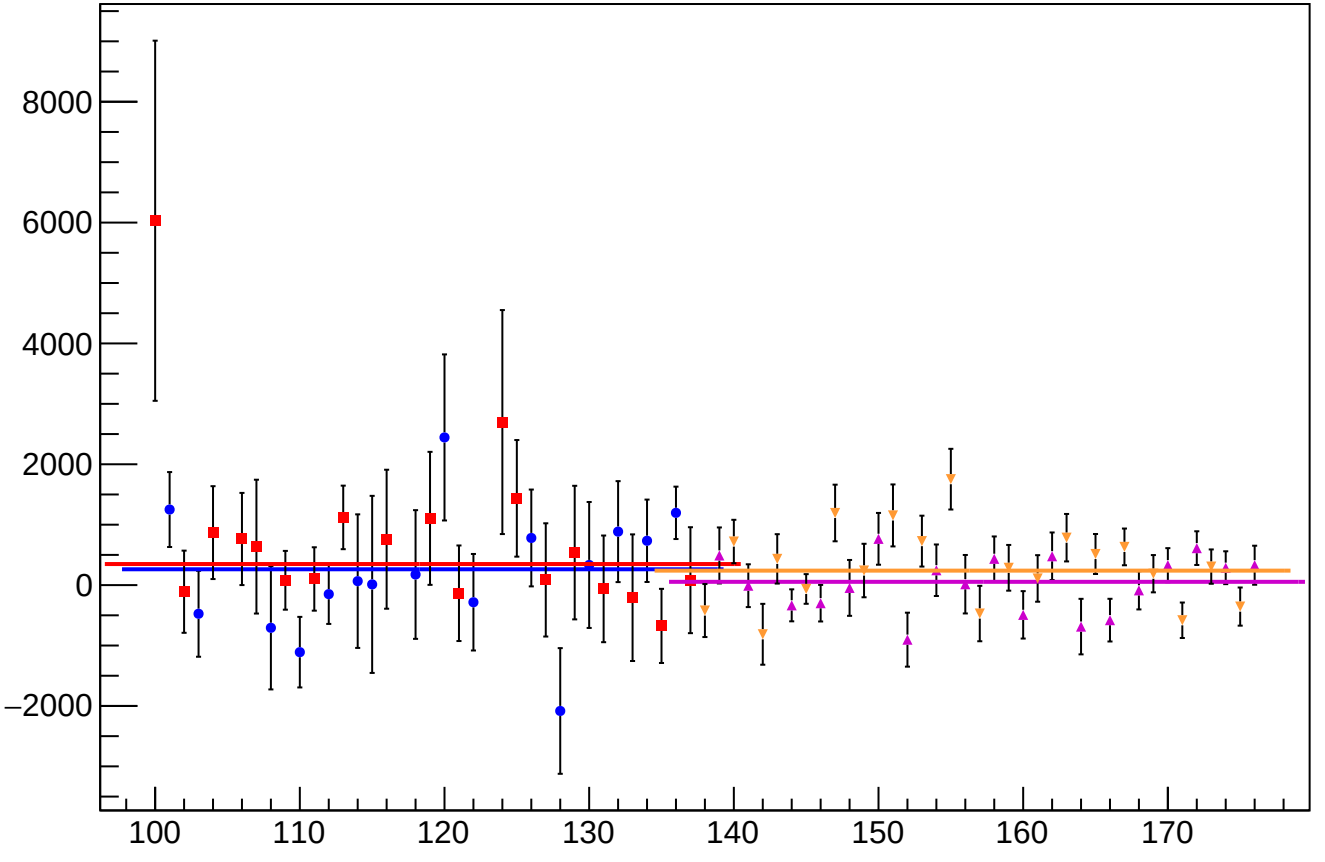
Left In: 39.351+/-0.007 χ^2/NDF:244770.2/18

+ sign 41.033+/-0.006 χ^2/NDF: 893709.1/35

All: 41.009+/-0.004 χ^2/NDF: 1889057.4/73

- sign 40.984+/-0.006 χ^2/NDF: 995315.8/37

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 239.649+/-81.128 χ^2/NDF:46.2/19

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

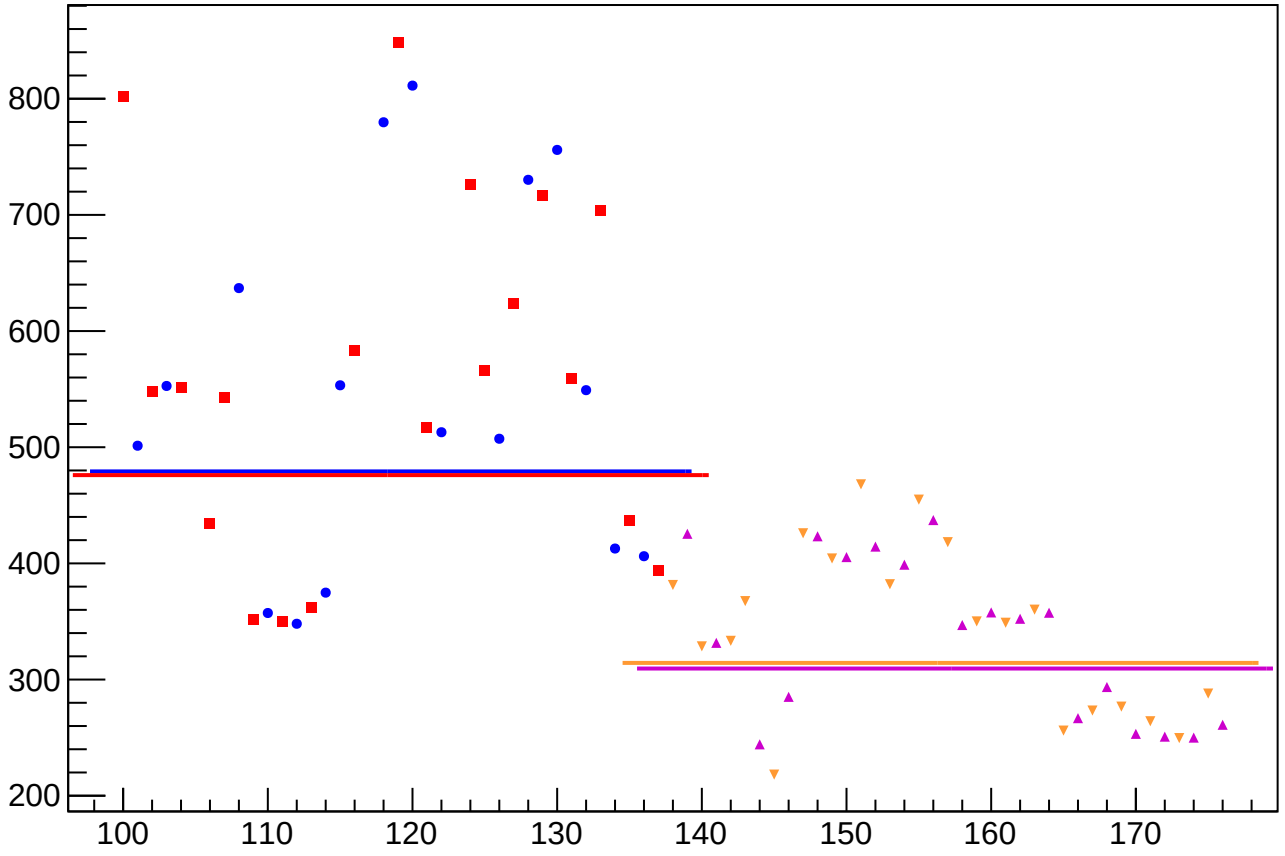
Left In: 54.307+/-80.509 χ^2/NDF:28.6/18

+ sign 243.238+/-74.312 χ^2/NDF: 71.2/35

All: 172.423+/-52.271 χ^2/NDF: 118.8/73

- sign 103.073+/-73.539 χ^2/NDF: 45.8/37

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 314.330+/-0.057 χ^2/NDF:1445733.3/19

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

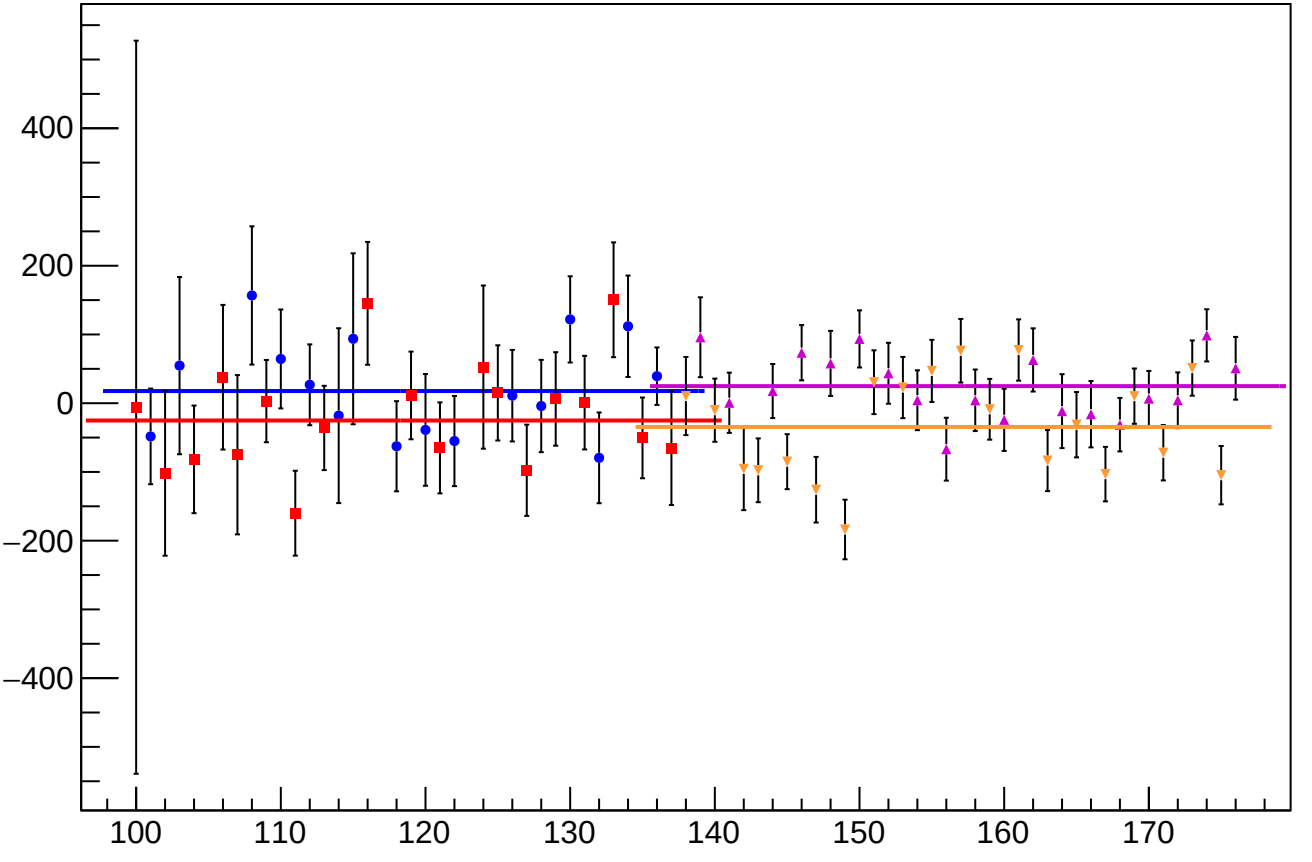
Left In: 309.482+/-0.057 χ^2/NDF:1266066.6/18

+ sign 340.868+/-0.053 χ^2/NDF: 3727751.6/35

All: 338.947+/-0.037 χ^2/NDF: 7420122.9/73

- sign 337.066+/-0.052 χ^2/NDF: 3689726.1/37

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -34.553+/-9.973 χ^2/NDF:53.7/19

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

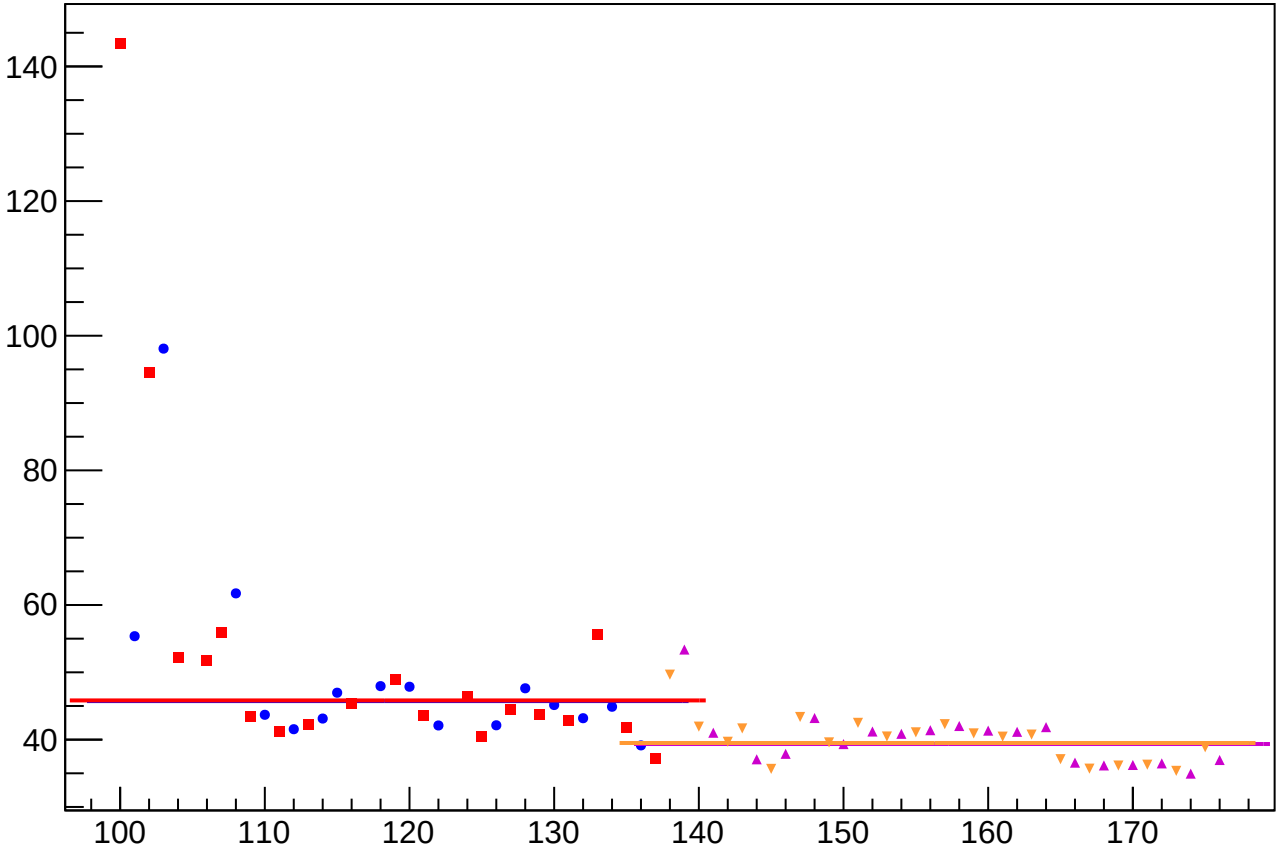
Left In: 24.839+/-10.043 χ^2/NDF:20.8/18

+ sign -21.708+/-8.661 χ^2/NDF: 74.4/35

All: -4.771+/-6.135 χ^2/NDF: 127.1/73

- sign 12.282+/-8.691 χ^2/NDF: 45.0/37

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.504+/-0.007 χ^2/NDF:200846.7/19

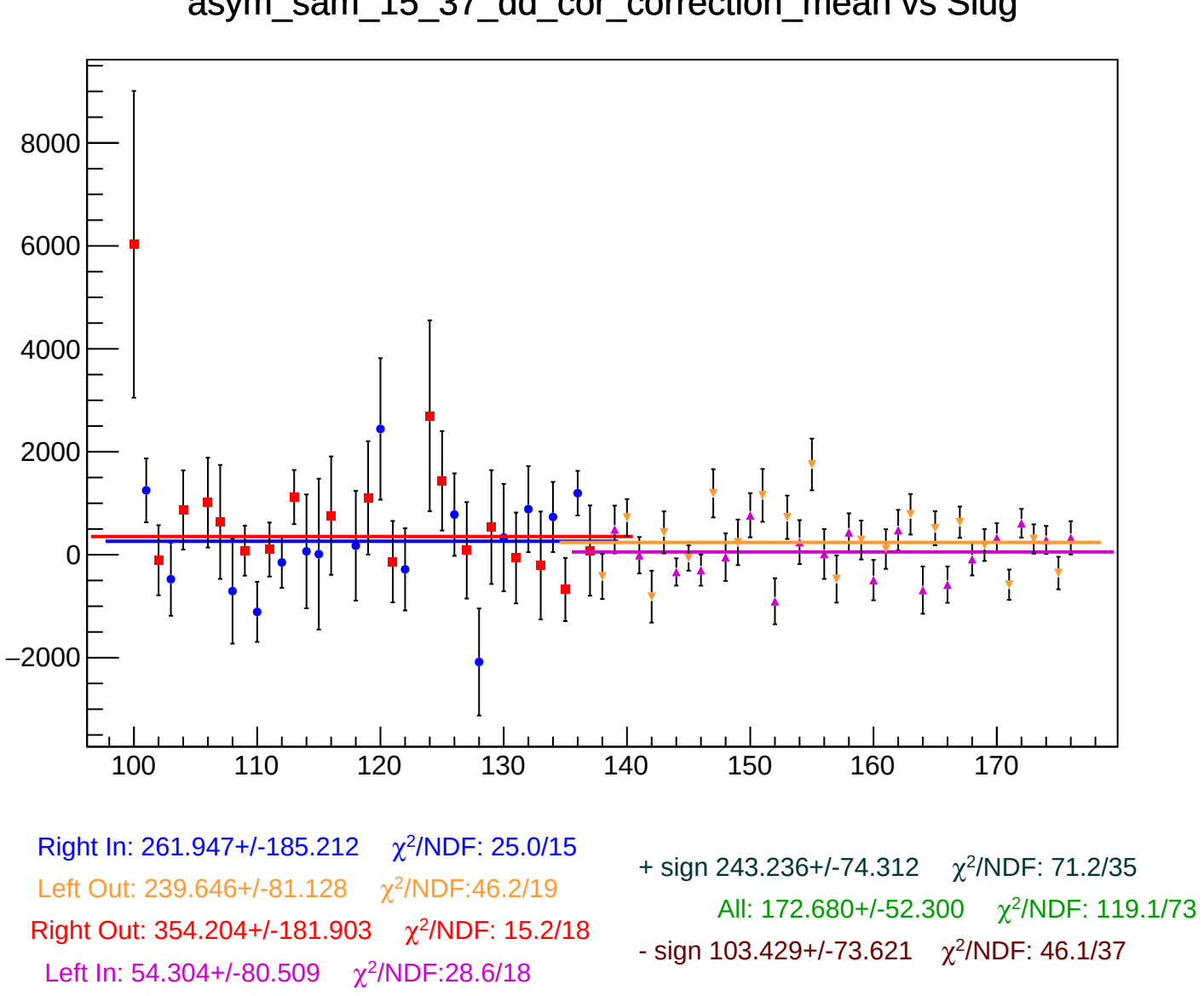
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.351+/-0.007 χ^2/NDF:244770.2/18

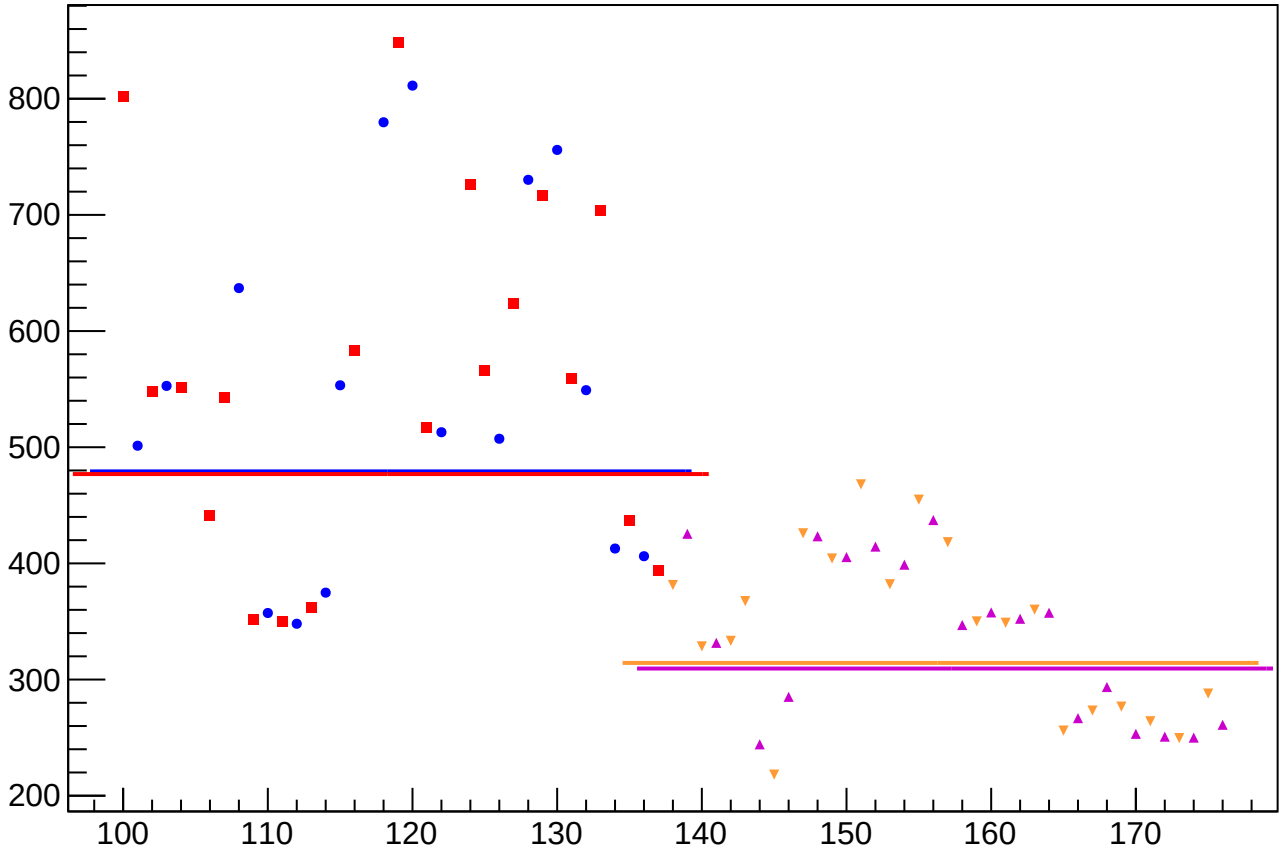
+ sign 41.033+/-0.006 χ^2/NDF: 893712.0/35

All: 41.005+/-0.004 χ^2/NDF: 1885799.8/73

- sign 40.977+/-0.006 χ^2/NDF: 992046.5/37


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 239.646+/-81.128 χ²/NDF:46.2/19
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 54.304+/-80.509 χ²/NDF:28.6/18
+ sign 243.236+/-74.312 χ²/NDF: 71.2/35
All: 172.680+/-52.300 χ²/NDF: 119.1/73
- sign 103.429+/-73.621 χ²/NDF: 46.1/37

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 314.330+/-0.057 χ^2/NDF:1445729.9/19

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

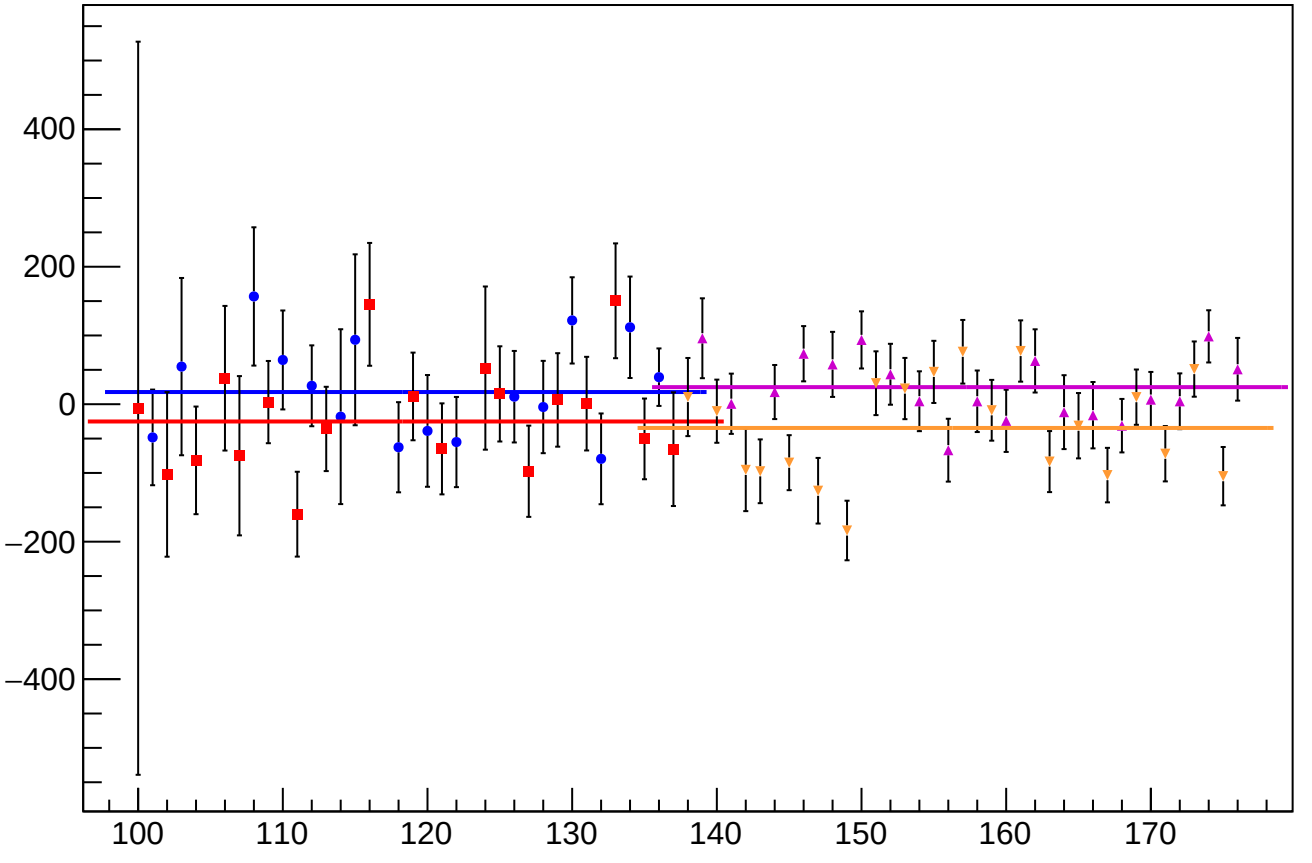
Left In: 309.482+/-0.057 χ^2/NDF:1266075.3/18

+ sign 340.868+/-0.053 χ^2/NDF: 3727798.5/35

All: 338.868+/-0.037 χ^2/NDF: 7417041.6/73

- sign 336.905+/-0.052 χ^2/NDF: 3686371.9/37

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -34.553+/-9.973 χ^2/NDF:53.7/19

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

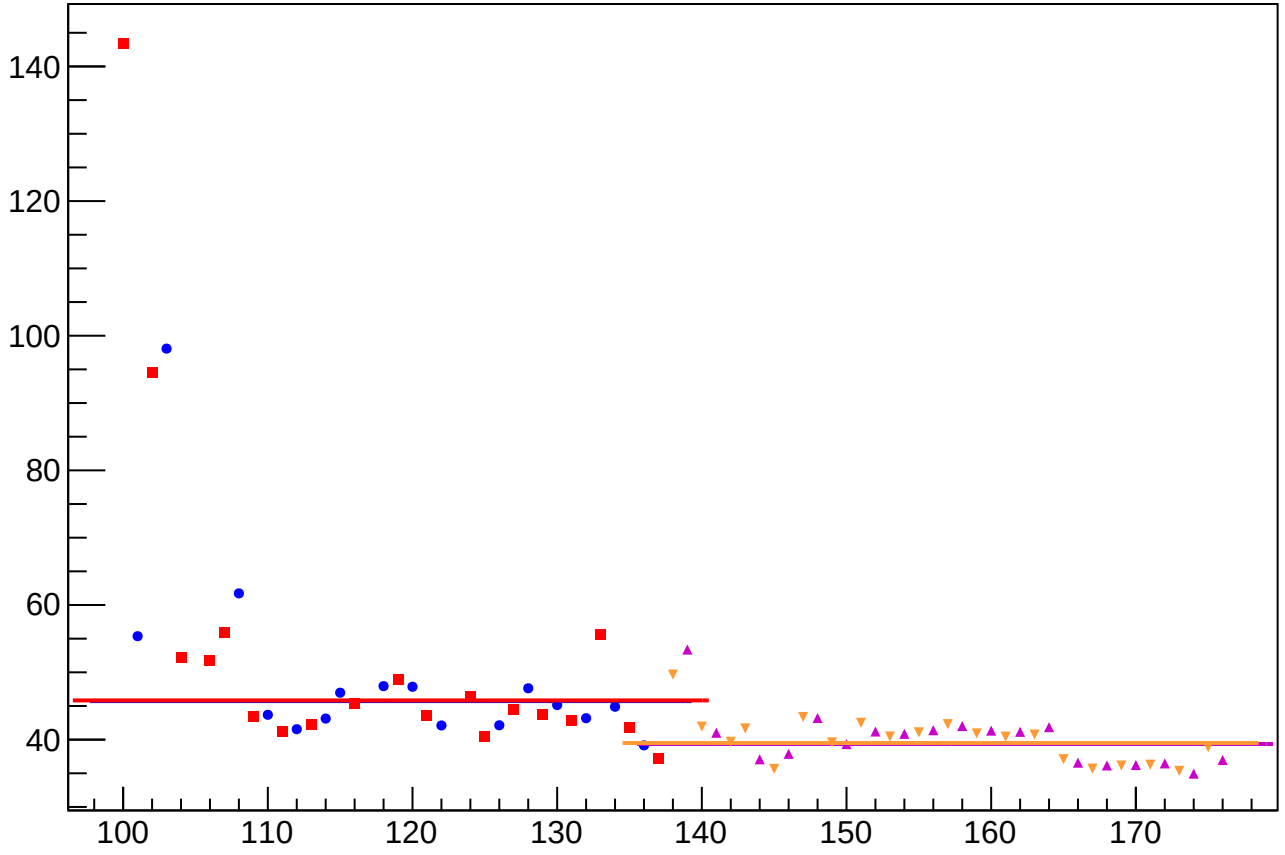
Left In: 24.839+/-10.043 χ^2/NDF:20.8/18

+ sign -21.708+/-8.661 χ^2/NDF: 74.4/35

All: -4.771+/-6.135 χ^2/NDF: 127.1/73

- sign 12.282+/-8.691 χ^2/NDF: 45.0/37

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.504+/-0.007 χ^2/NDF:200846.7/19

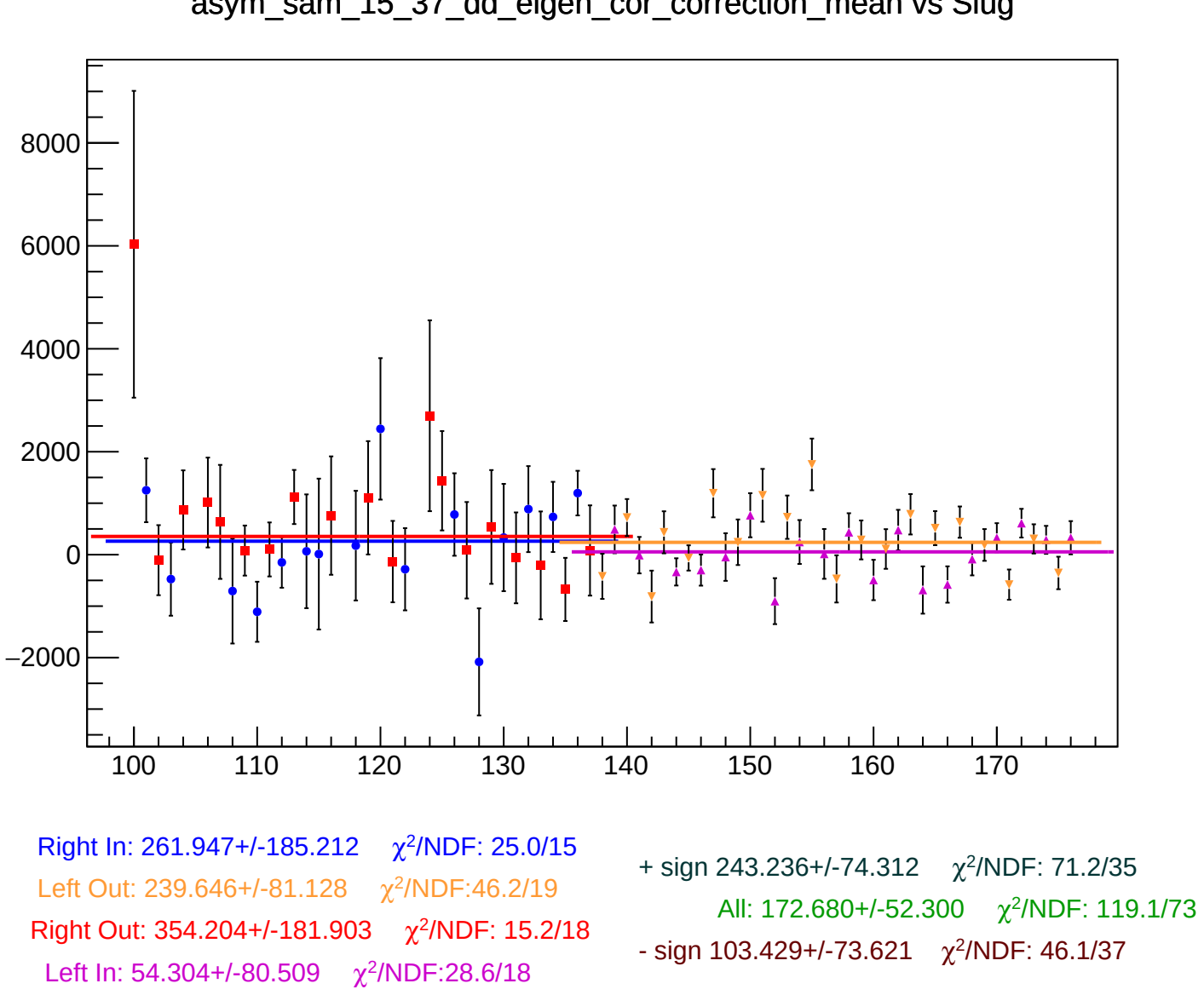
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

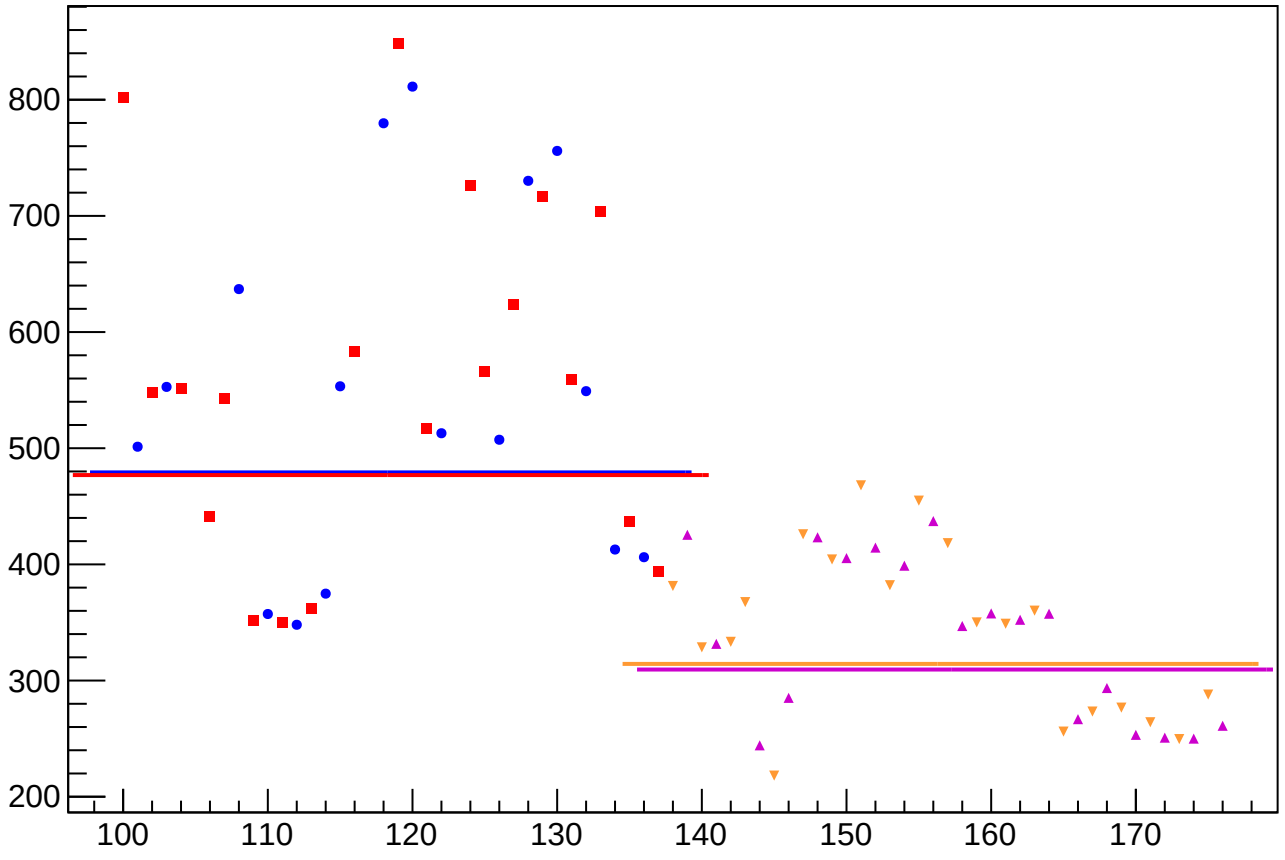
Left In: 39.351+/-0.007 χ^2/NDF:244770.2/18

+ sign 41.033+/-0.006 χ^2/NDF: 893712.0/35

All: 41.005+/-0.004 χ^2/NDF: 1885799.8/73

- sign 40.977+/-0.006 χ^2/NDF: 992046.5/37


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 239.646+/-81.128 χ²/NDF:46.2/19
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 54.304+/-80.509 χ²/NDF:28.6/18
+ sign 243.236+/-74.312 χ²/NDF: 71.2/35
All: 172.680+/-52.300 χ²/NDF: 119.1/73
- sign 103.429+/-73.621 χ²/NDF: 46.1/37



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 314.330+/-0.057 χ^2/NDF:1445729.9/19

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

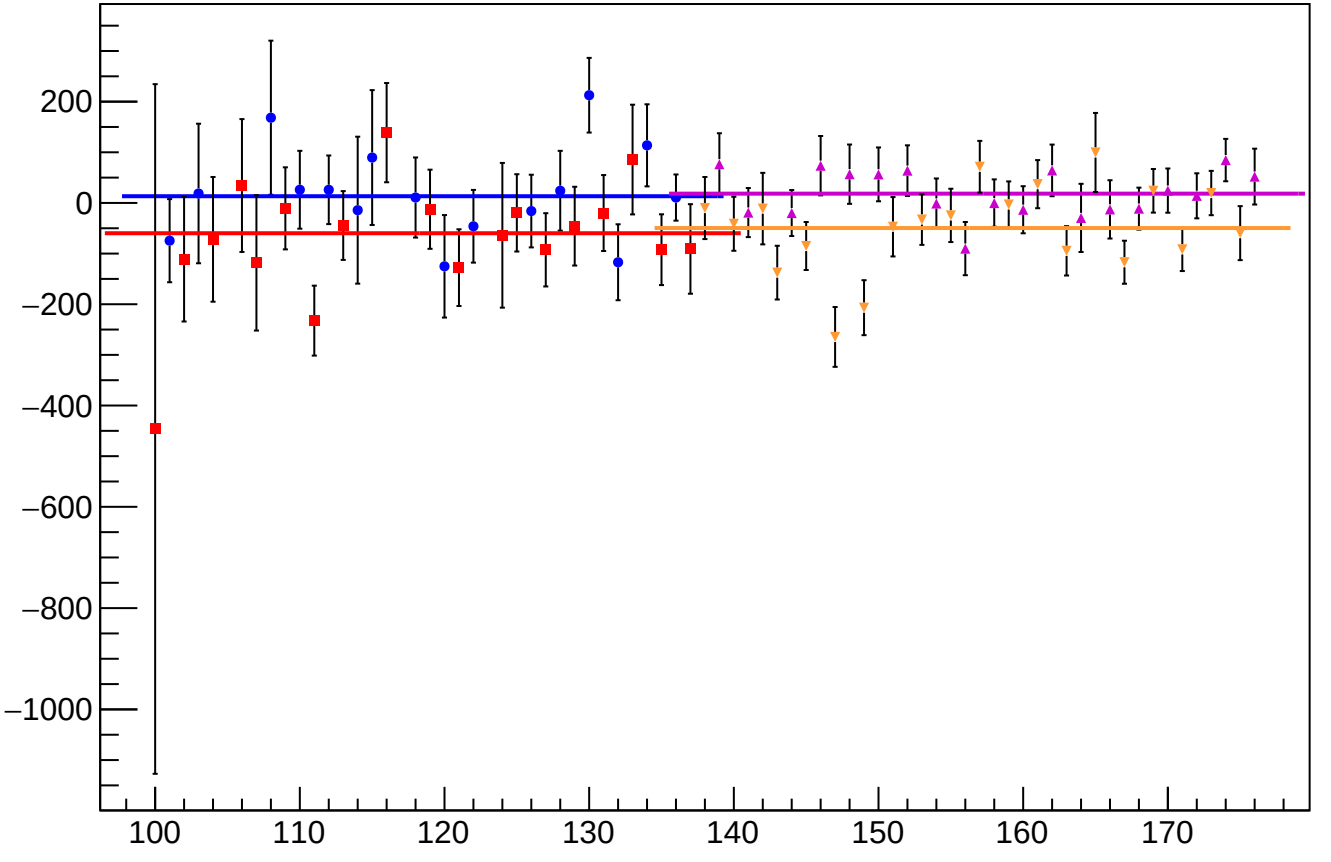
Left In: 309.482+/-0.057 χ^2/NDF:1266075.3/18

\+ sign 340.868+/-0.053 χ^2/NDF: 3727798.5/35

All: 338.868+/-0.037 χ^2/NDF: 7417041.6/73

\- sign 336.905+/-0.052 χ^2/NDF: 3686371.9/37

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -49.561+/-11.394 χ^2/NDF:49.5/19

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

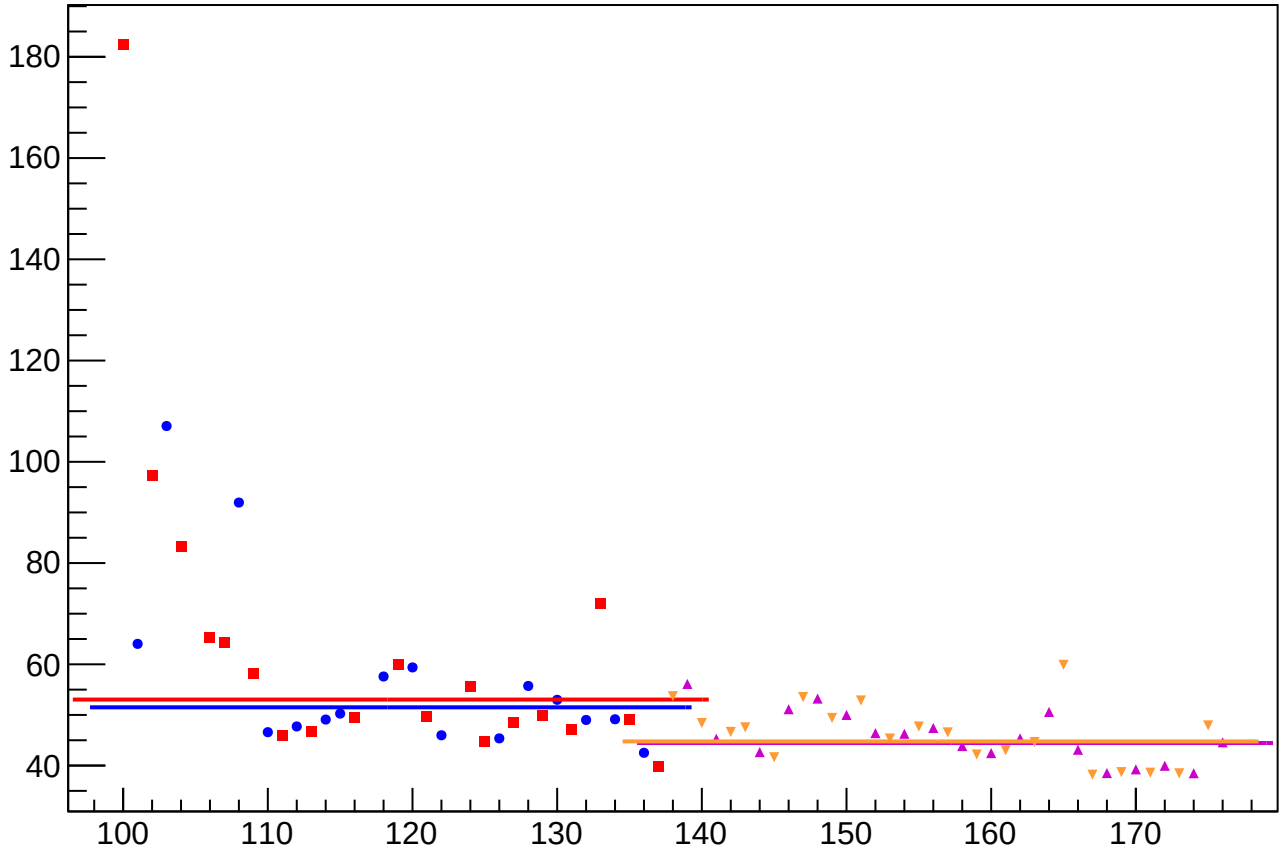
Left In: 18.335+/-11.450 χ^2/NDF:14.9/18

+ sign -33.989+/-9.882 χ^2/NDF: 74.2/35

All: -17.445+/-7.017 χ^2/NDF: 122.2/73

- sign -0.620+/-9.965 χ^2/NDF: 42.3/37

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 44.769+/-0.008 χ^2/NDF:434756.5/19

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

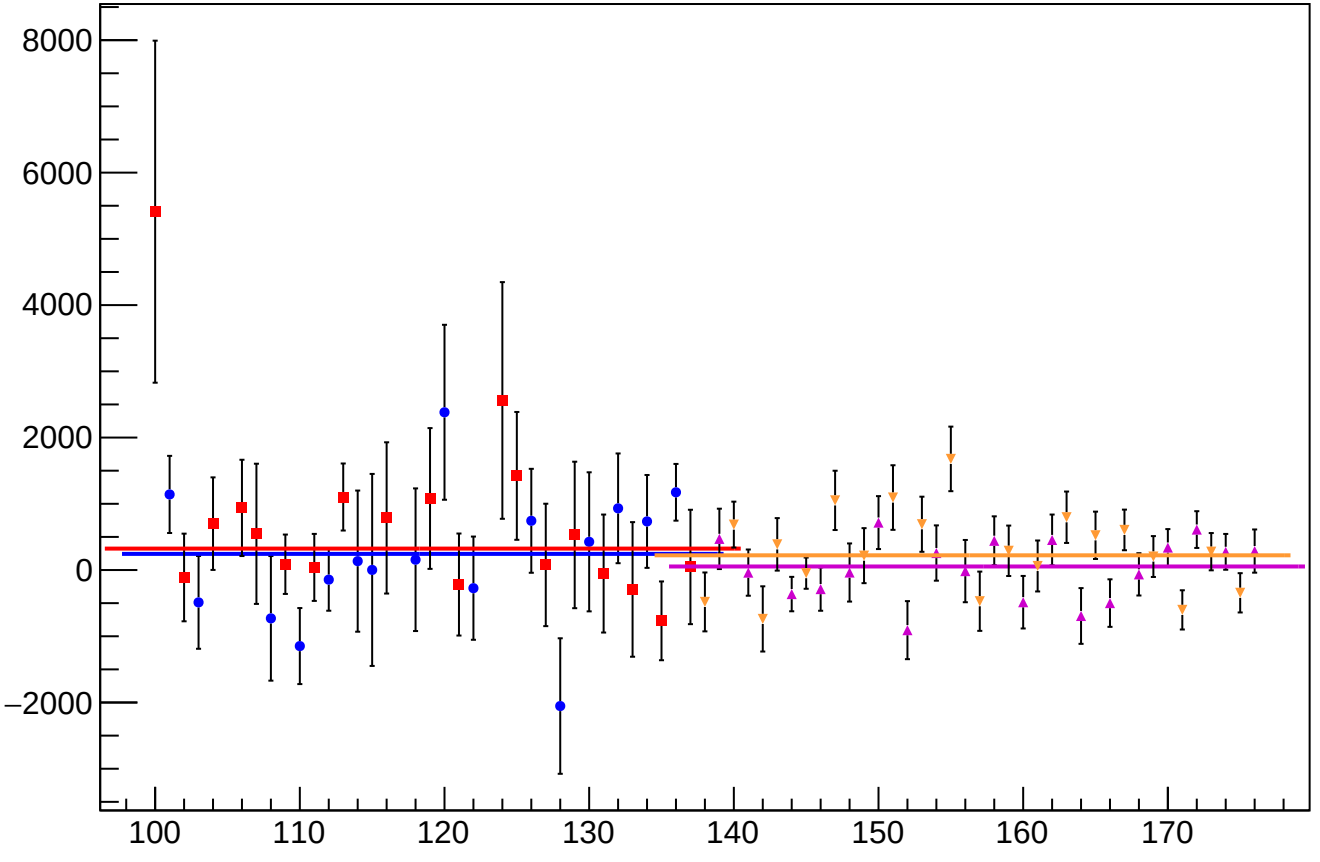
Left In: 44.454+/-0.008 χ^2/NDF:334449.2/18

+ sign 46.439+/-0.007 χ^2/NDF: 1275075.7/35

All: 46.487+/-0.005 χ^2/NDF: 2595137.3/73

- sign 46.536+/-0.007 χ^2/NDF: 1319965.7/37

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 222.338+/-79.942 χ^2/NDF:44.9/19

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

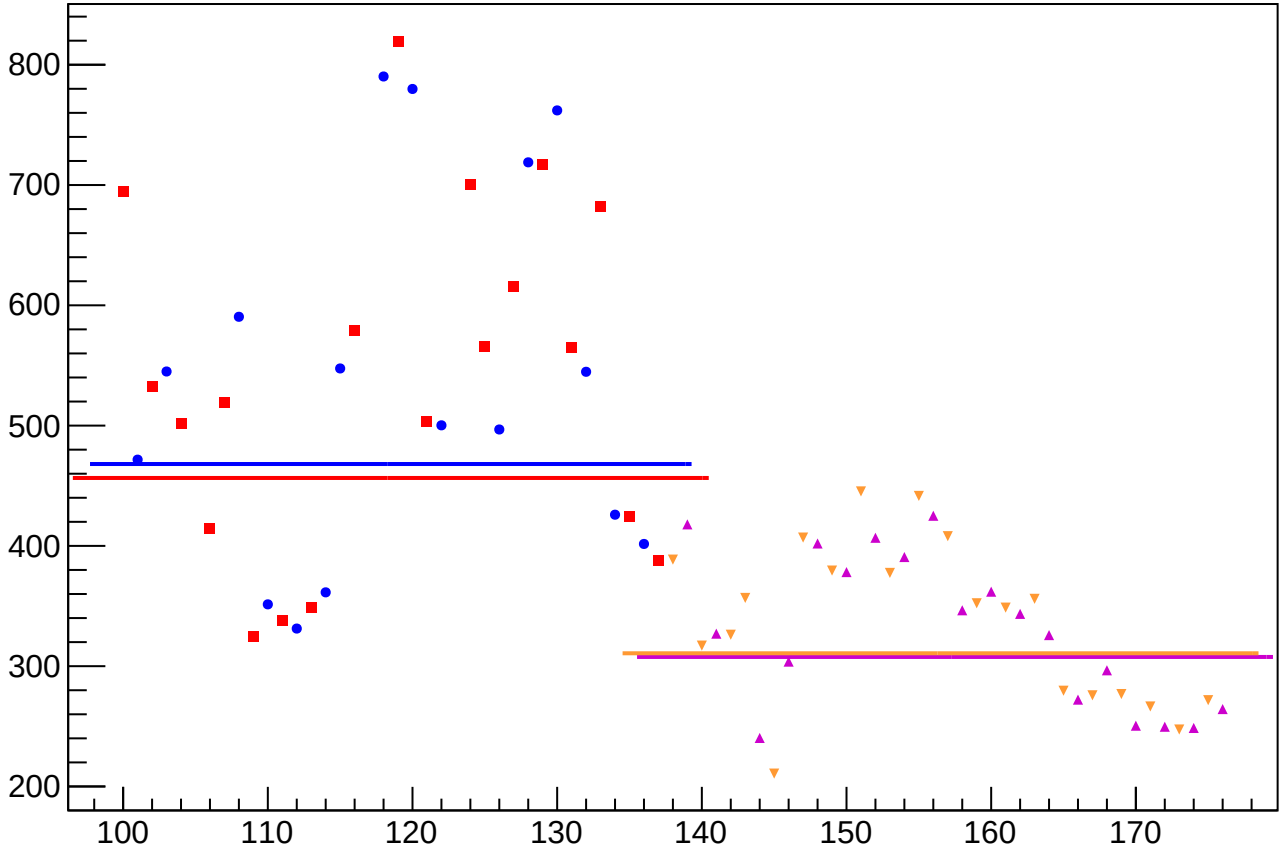
Left In: 53.710+/-79.867 χ^2/NDF:28.4/18

+ sign 225.850+/-73.119 χ^2/NDF: 70.5/35

All: 162.868+/-51.504 χ^2/NDF: 118.8/73

- sign 100.847+/-72.559 χ^2/NDF: 46.9/37

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 310.719+/-0.057 χ^2/NDF:1356849.4/19

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

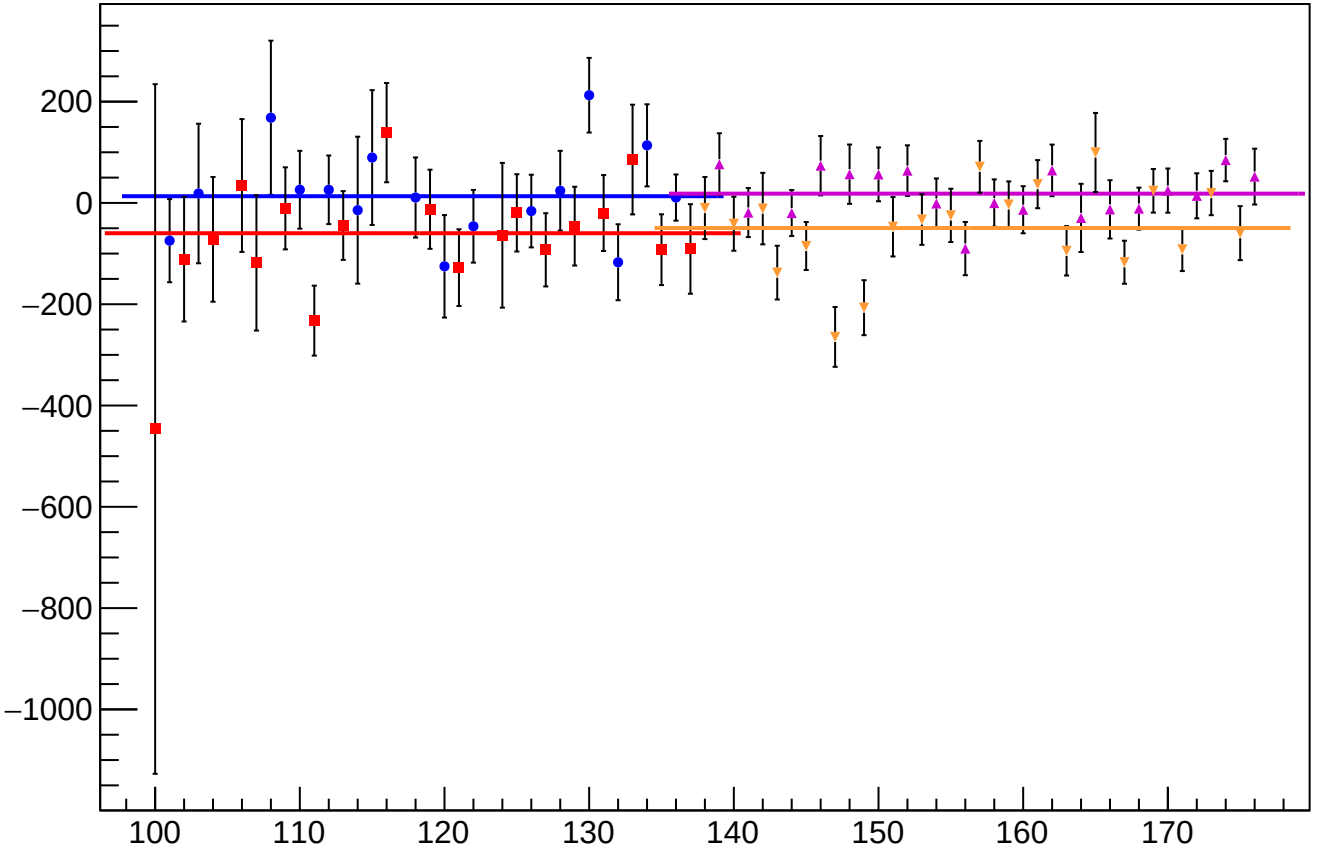
Left In: 307.672+/-0.056 χ^2/NDF:1123498.2/18

+ sign 336.433+/-0.052 χ^2/NDF: 3605988.4/35

All: 335.034+/-0.036 χ^2/NDF: 7025777.5/73

- sign 333.657+/-0.051 χ^2/NDF: 3418336.8/37

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -49.561+/-11.394 χ^2/NDF:49.5/19

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

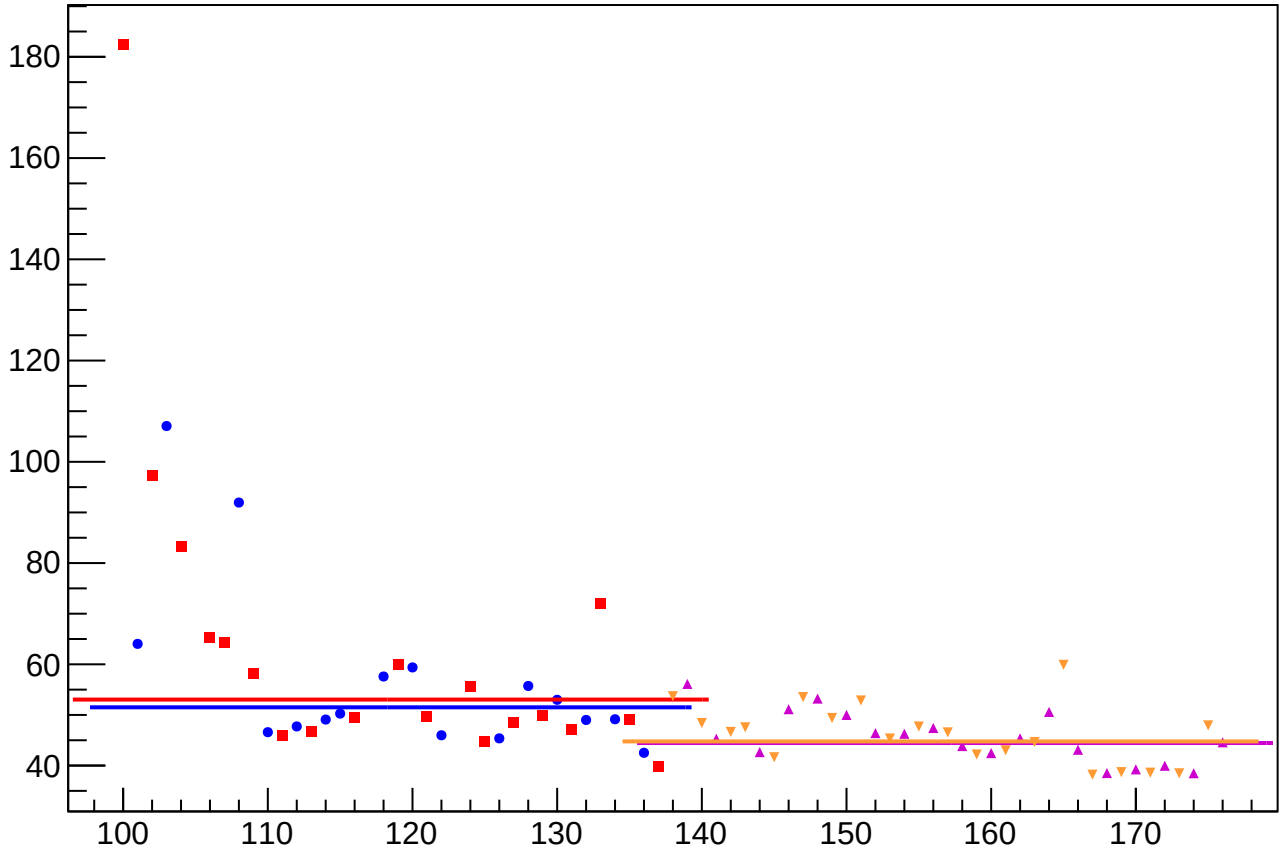
Left In: 18.335+/-11.450 χ^2/NDF:14.9/18

+ sign -33.990+/-9.882 χ^2/NDF: 74.2/35

All: -17.446+/-7.017 χ^2/NDF: 122.2/73

- sign -0.621+/-9.965 χ^2/NDF: 42.3/37

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 44.769+/-0.008 χ^2/NDF:434759.2/19

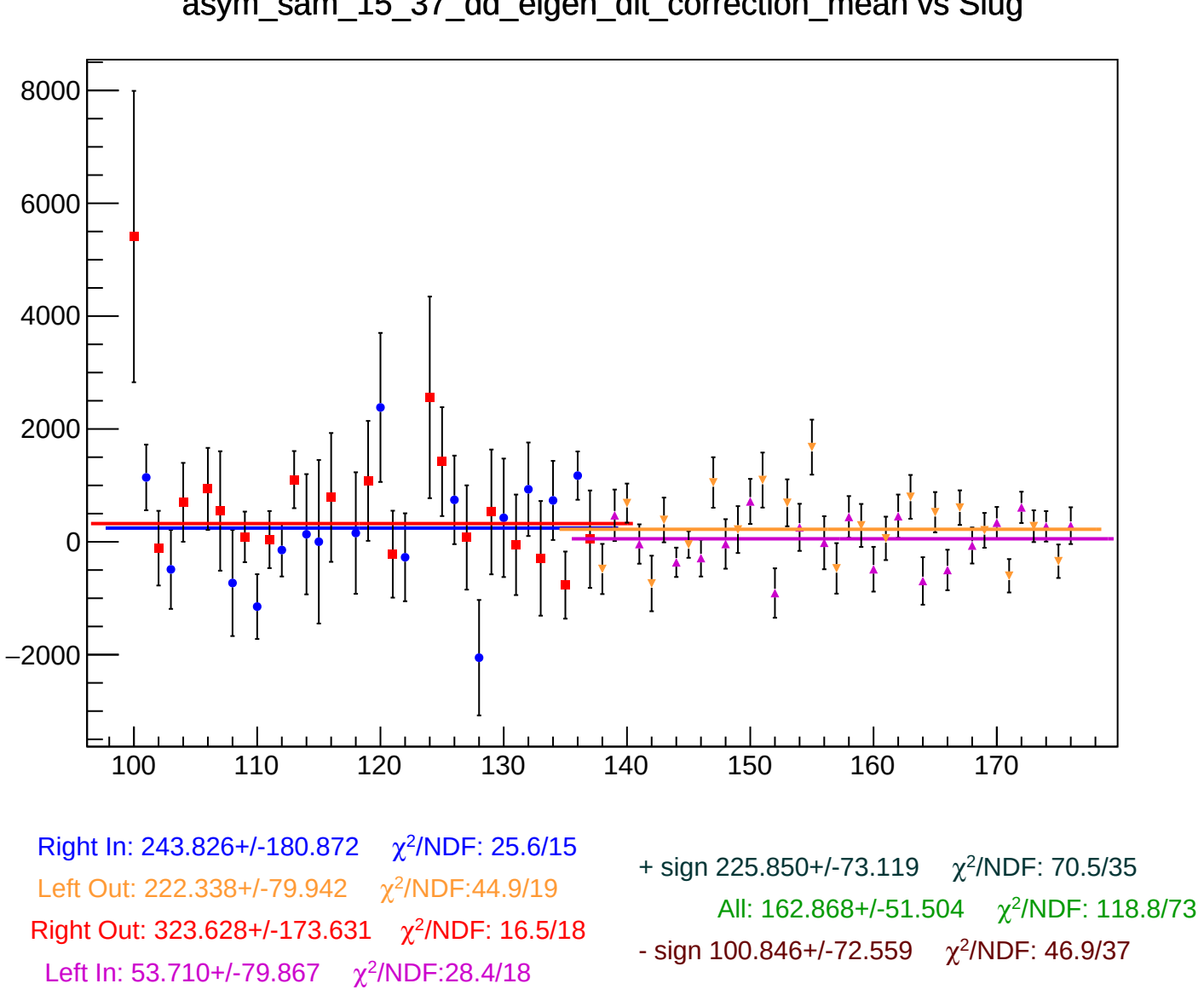
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

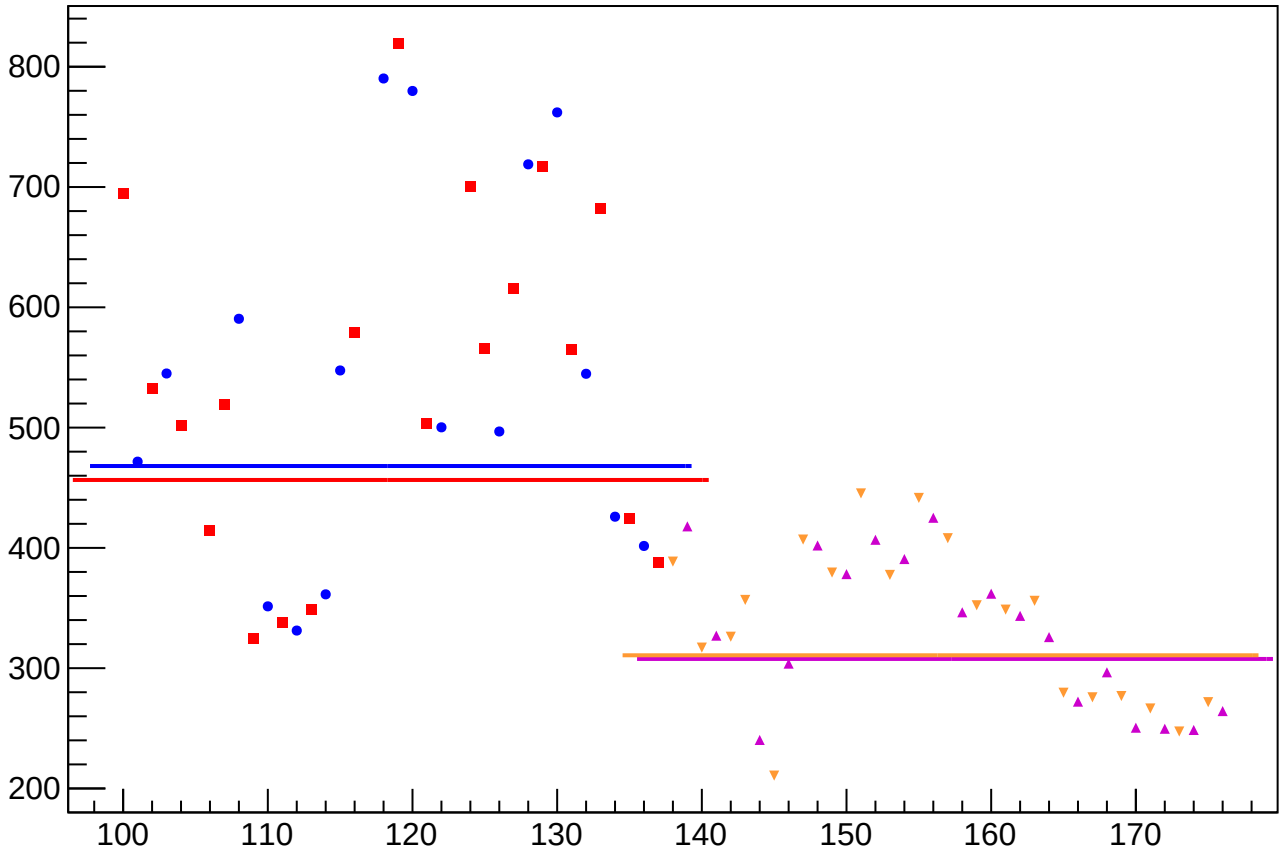
Left In: 44.454+/-0.008 χ^2/NDF:334448.5/18

+ sign 46.439+/-0.007 χ^2/NDF: 1275083.1/35

All: 46.487+/-0.005 χ^2/NDF: 2595154.5/73

- sign 46.536+/-0.007 χ^2/NDF: 1319975.5/37


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 243.826+/-180.872 χ²/NDF: 25.6/15
Left Out: 222.338+/-79.942 χ²/NDF:44.9/19
Right Out: 323.628+/-173.631 χ²/NDF: 16.5/18
Left In: 53.710+/-79.867 χ²/NDF:28.4/18
+ sign 225.850+/-73.119 χ²/NDF: 70.5/35
All: 162.868+/-51.504 χ²/NDF: 118.8/73
- sign 100.846+/-72.559 χ²/NDF: 46.9/37



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 310.719+/-0.057 χ^2/NDF:1356846.2/19

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

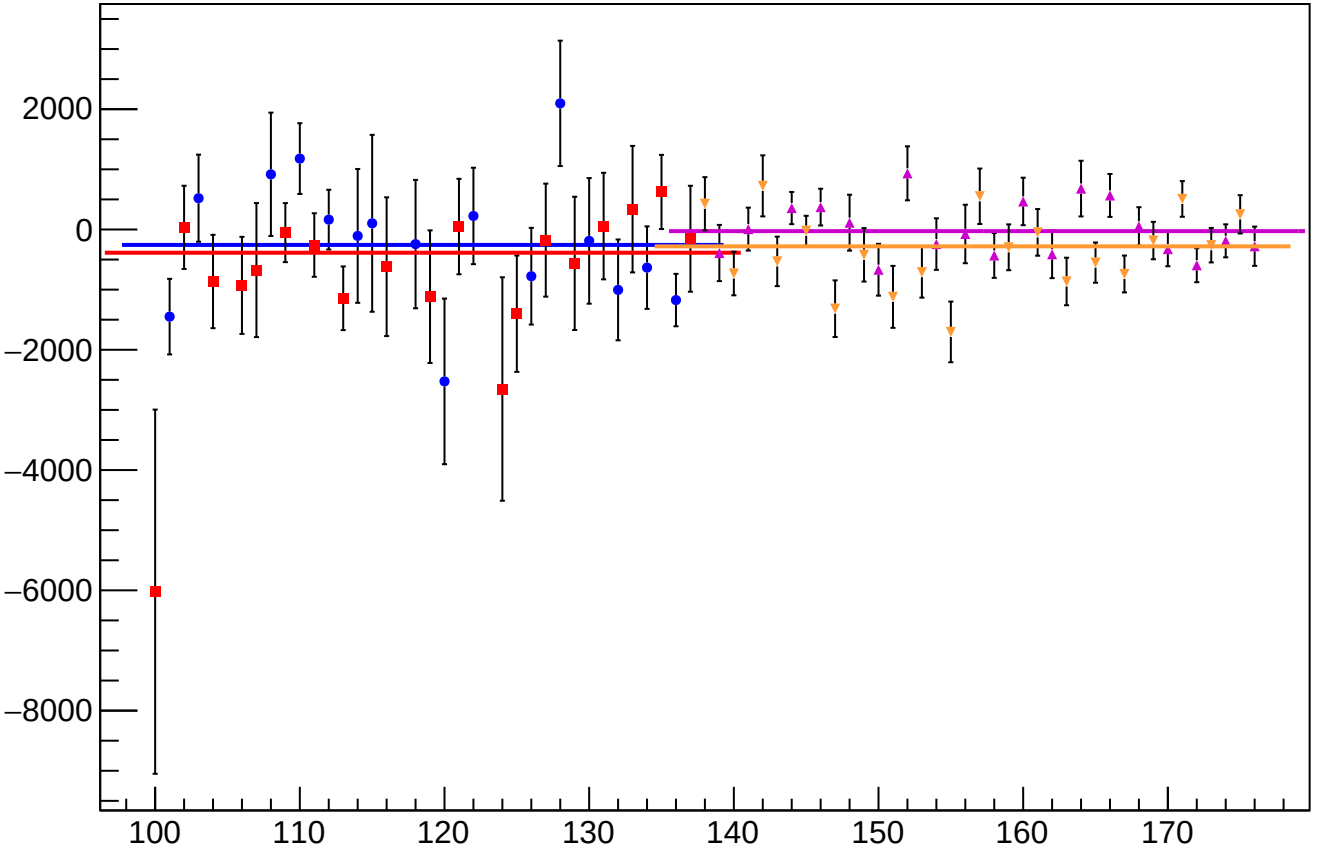
Left In: 307.673+/-0.056 χ^2/NDF:1123491.5/18

+ sign 336.433+/-0.052 χ^2/NDF: 3605972.3/35

All: 335.034+/-0.036 χ^2/NDF: 7025735.7/73

- sign 333.657+/-0.051 χ^2/NDF: 3418311.3/37

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -280.232+/-81.808 χ^2/NDF:44.8/19

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

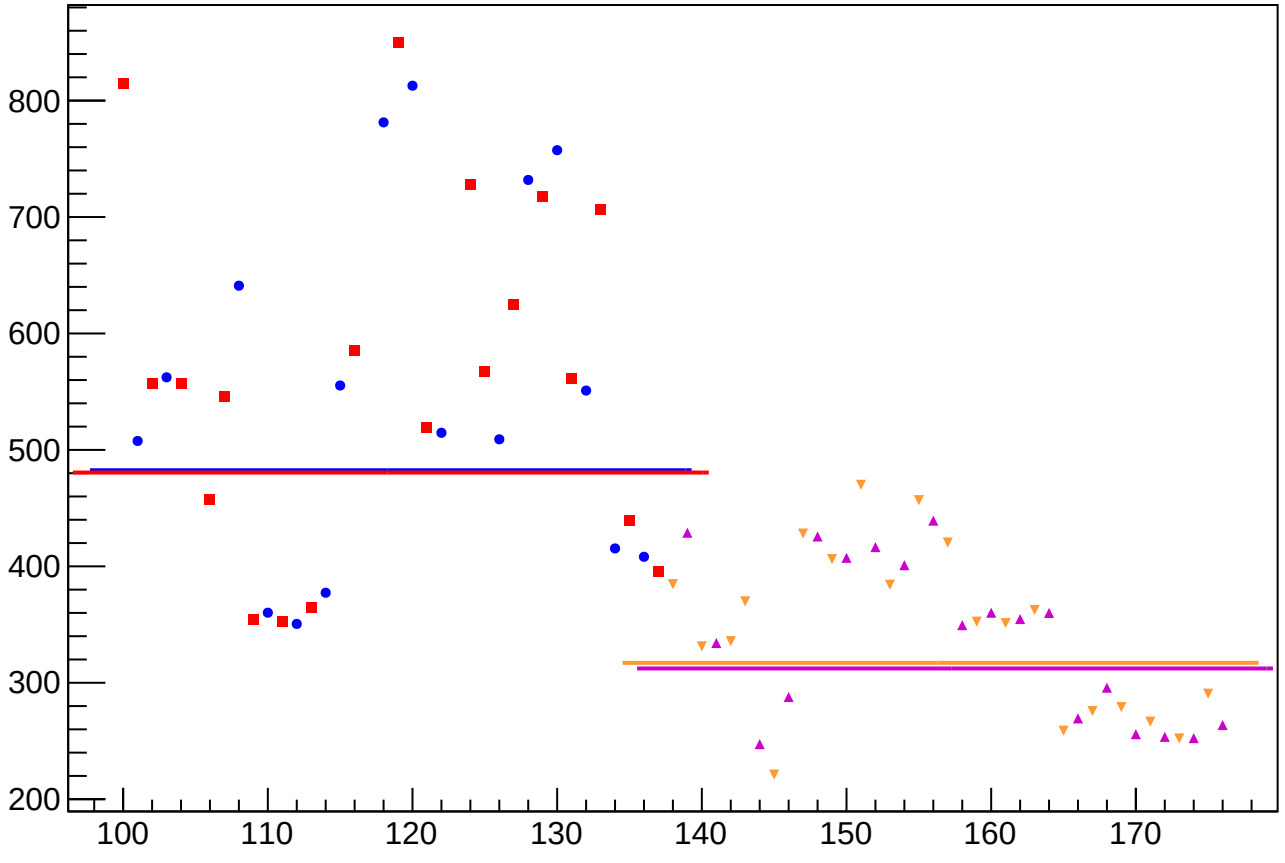
Left In: -27.141+/-81.198 χ^2/NDF:26.5/18

+ sign -276.441+/-74.915 χ^2/NDF: 71.7/35

All: -180.575+/-52.710 χ^2/NDF: 118.9/73

- sign -86.588+/-74.177 χ^2/NDF: 43.9/37

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 317.141+/-0.058 χ^2/NDF:1415397.3/19

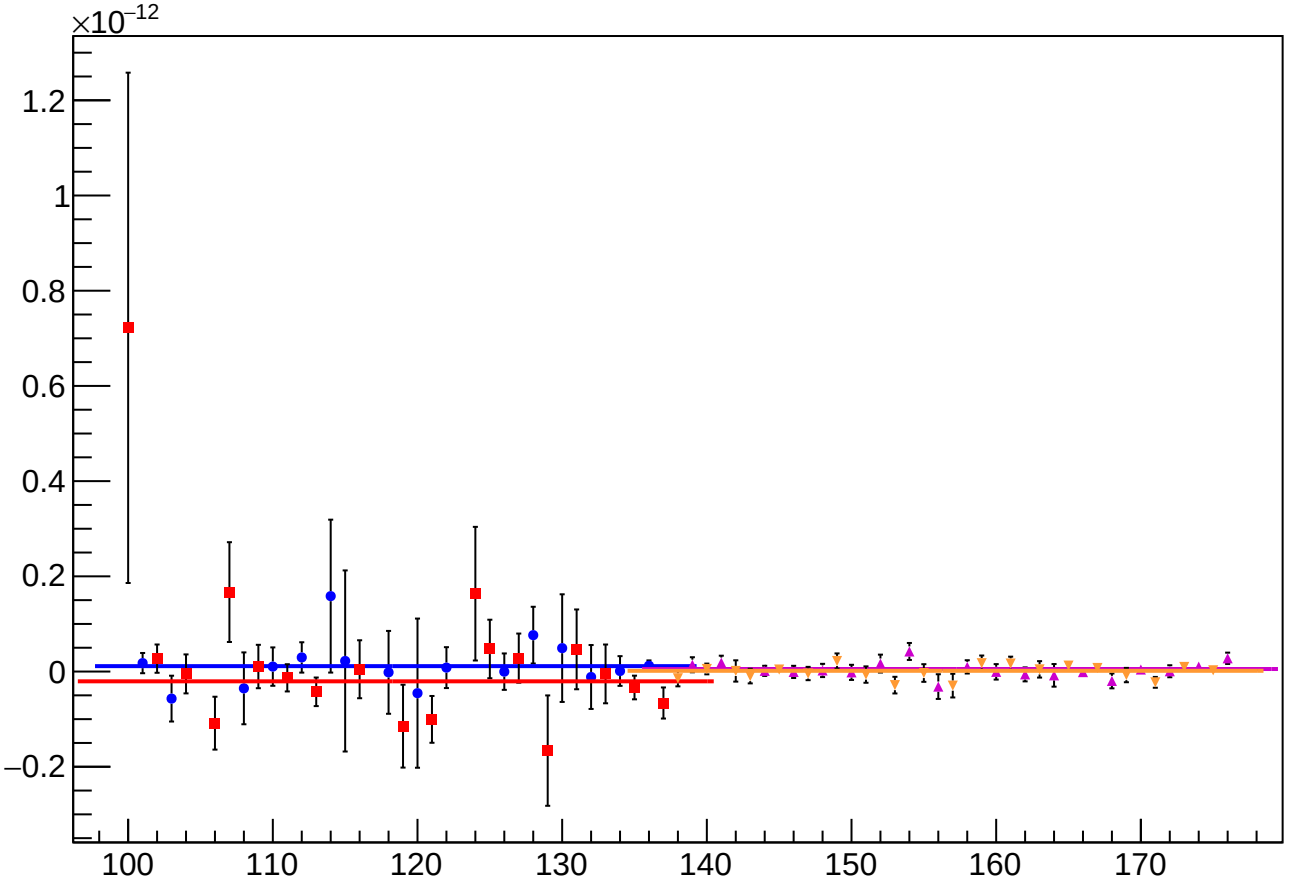
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 312.283+/-0.057 χ^2/NDF:1241186.4/18

+ sign 343.835+/-0.053 χ^2/NDF: 3681132.5/35

All: 341.961+/-0.037 χ^2/NDF: 7339799.0/73

- sign 340.124+/-0.052 χ^2/NDF: 3656187.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.4/19

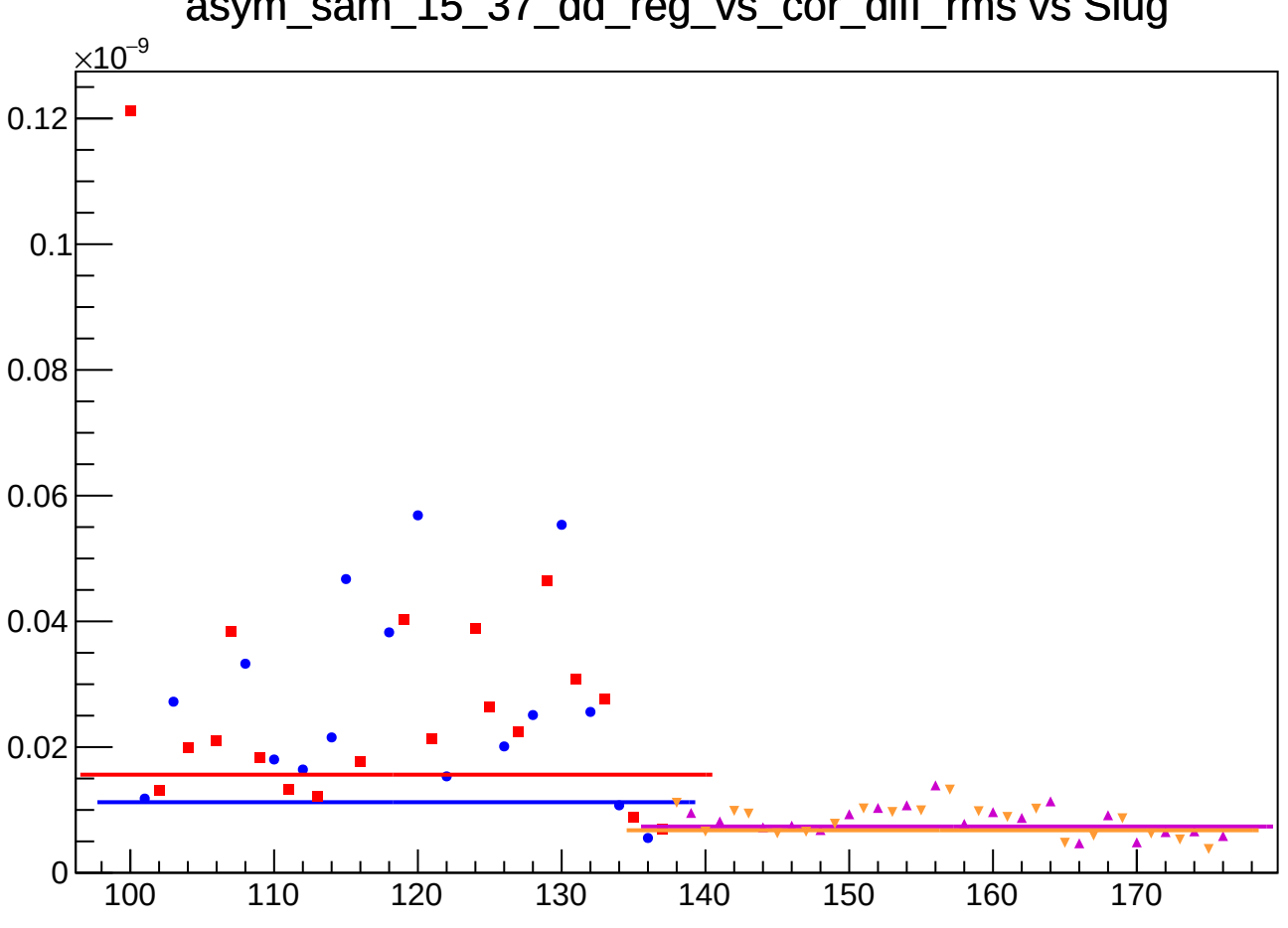
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:16.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 24.1/35

All: 0.000+/-0.000 χ^2/NDF: 70.2/73

- sign 0.000+/-0.000 χ^2/NDF: 46.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1327037.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

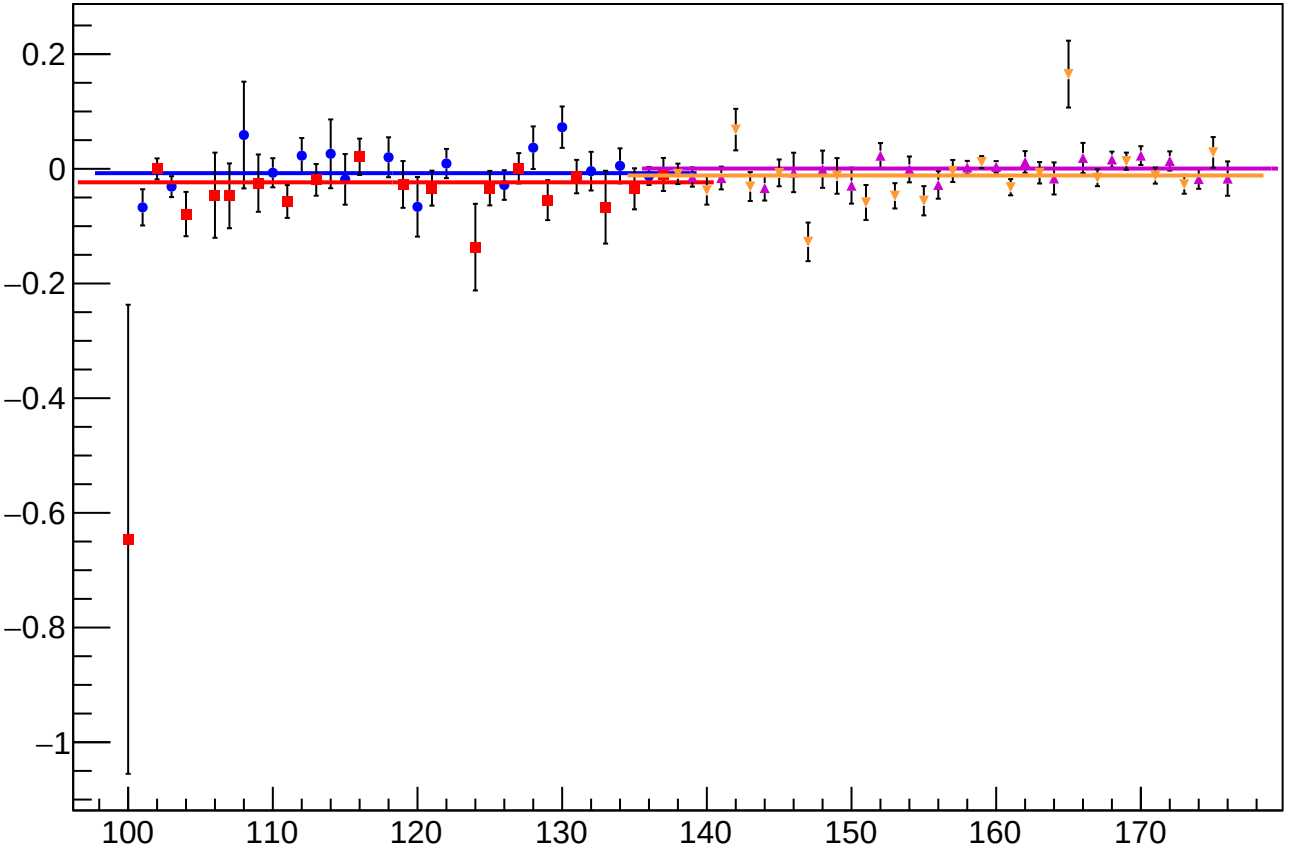
Left In: 0.000+/-0.000 χ^2/NDF:803156.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 3984328.5/35

All: 0.000+/-0.000 χ^2/NDF: 7233796.1/73

- sign 0.000+/-0.000 χ^2/NDF: 3171215.5/37

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

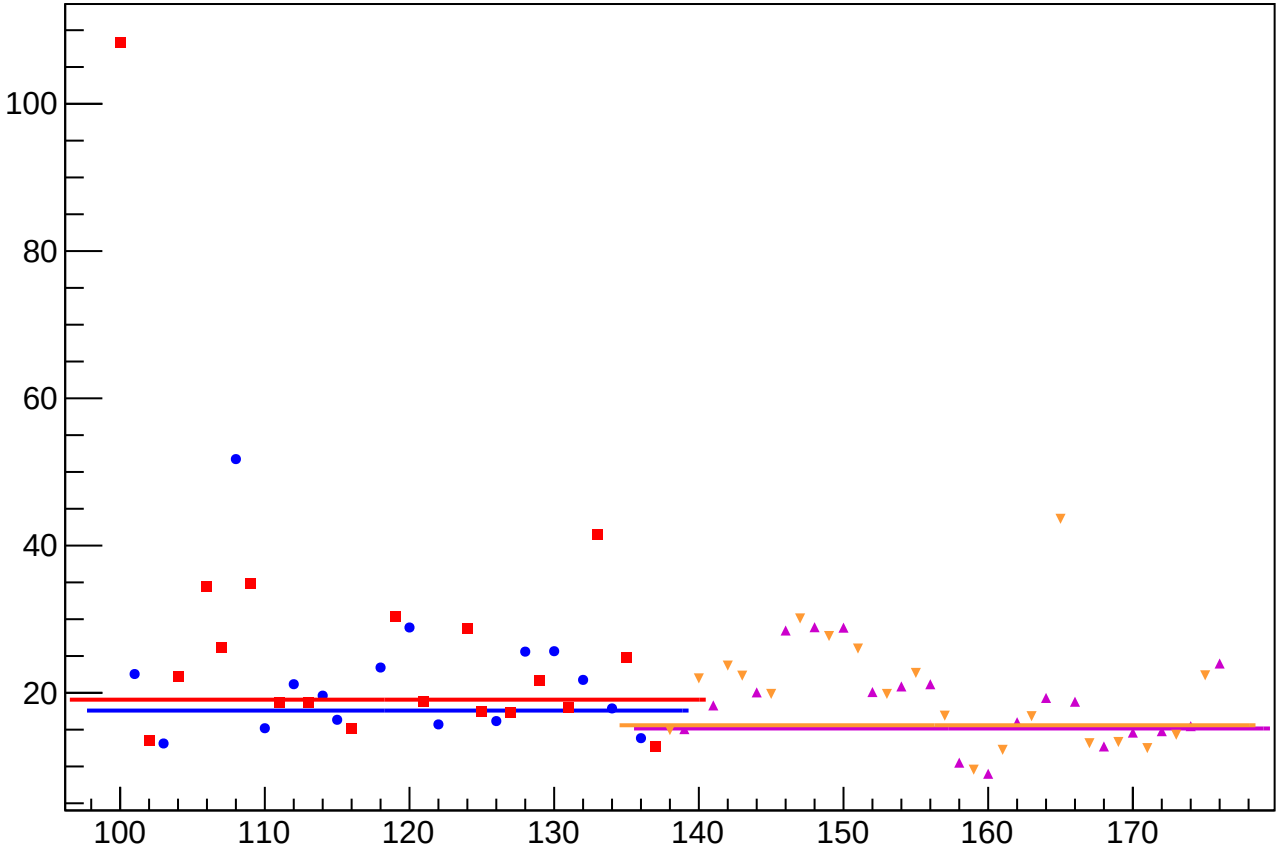
Left In: 0.000+/-0.004 χ^2/NDF:14.0/18

+ sign -0.011+/-0.004 χ^2/NDF: 65.8/35

All: -0.008+/-0.003 χ^2/NDF: 103.1/73

- sign -0.005+/-0.004 χ^2/NDF: 36.1/37

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: 15.596+/-0.003 χ^2/NDF:3177613.0/19

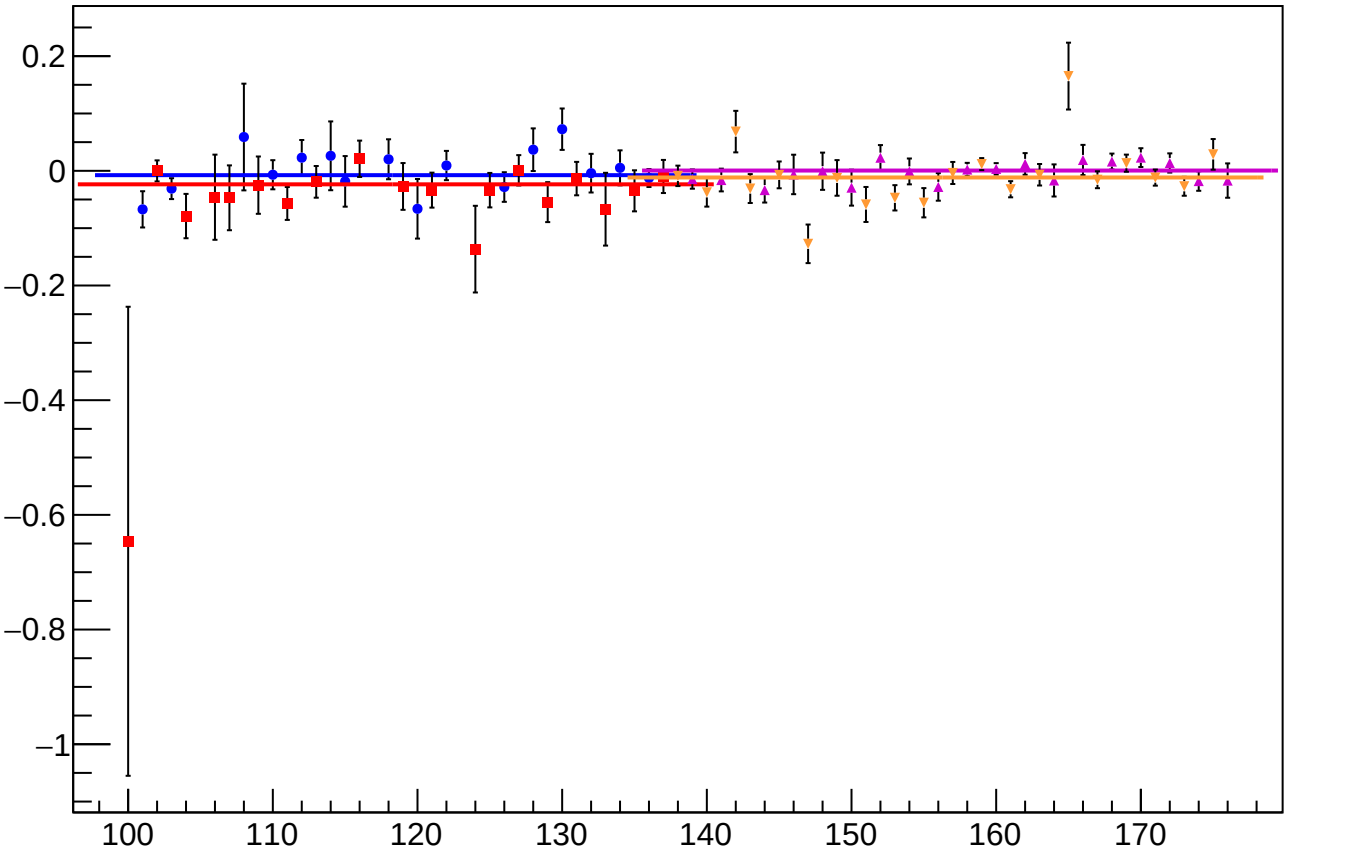
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.159+/-0.003 χ^2/NDF:2945211.4/18

\+ sign 16.116+/-0.003 χ^2/NDF: 4284408.1/35

All: 16.082+/-0.002 χ^2/NDF: 8872838.0/73

\- sign 16.047+/-0.003 χ^2/NDF: 4588077.5/37



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

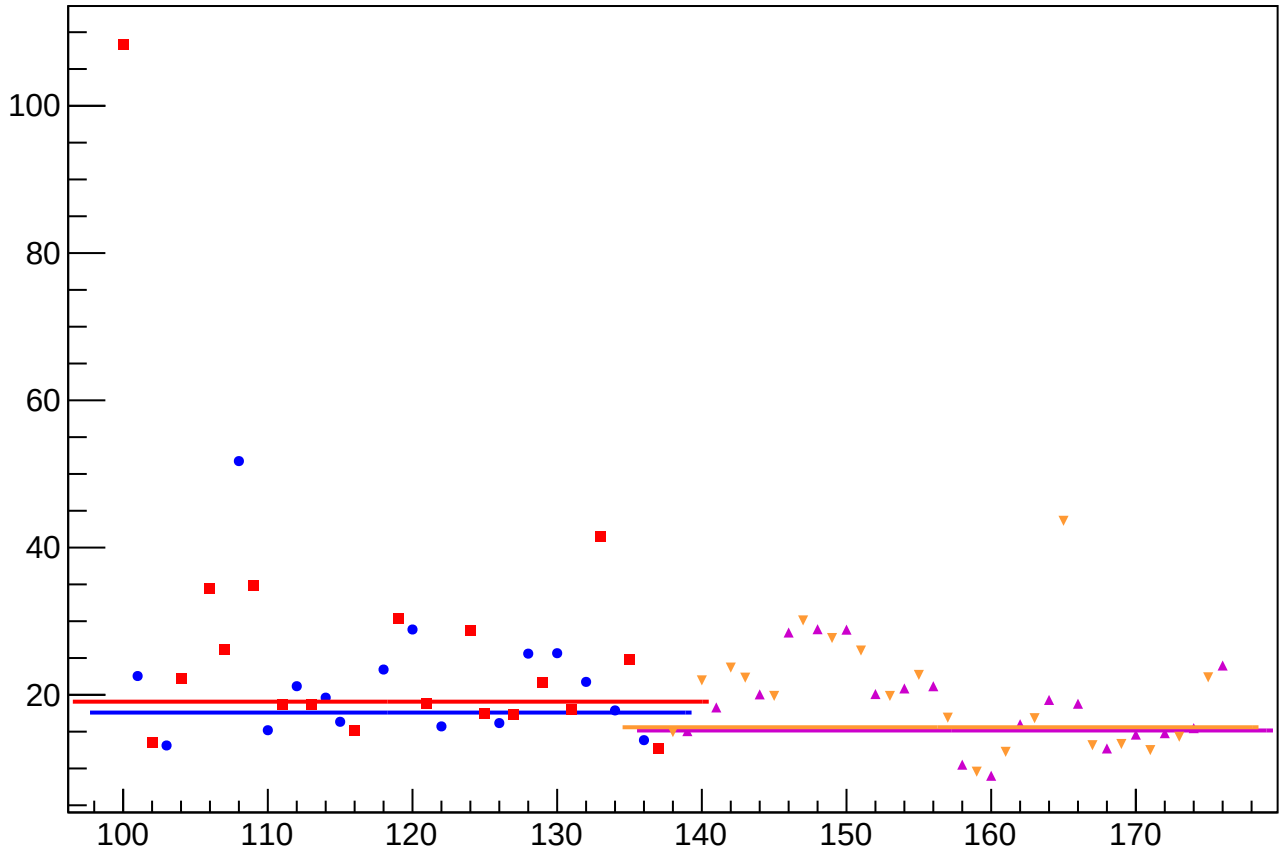
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.004 χ^2/NDF:14.0/18

+ sign -0.011+/-0.004 χ^2/NDF: 65.8/35

All: -0.008+/-0.003 χ^2/NDF: 103.1/73

- sign -0.005+/-0.004 χ^2/NDF: 36.1/37



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.596+/-0.003 χ^2/NDF:3177613.0/19

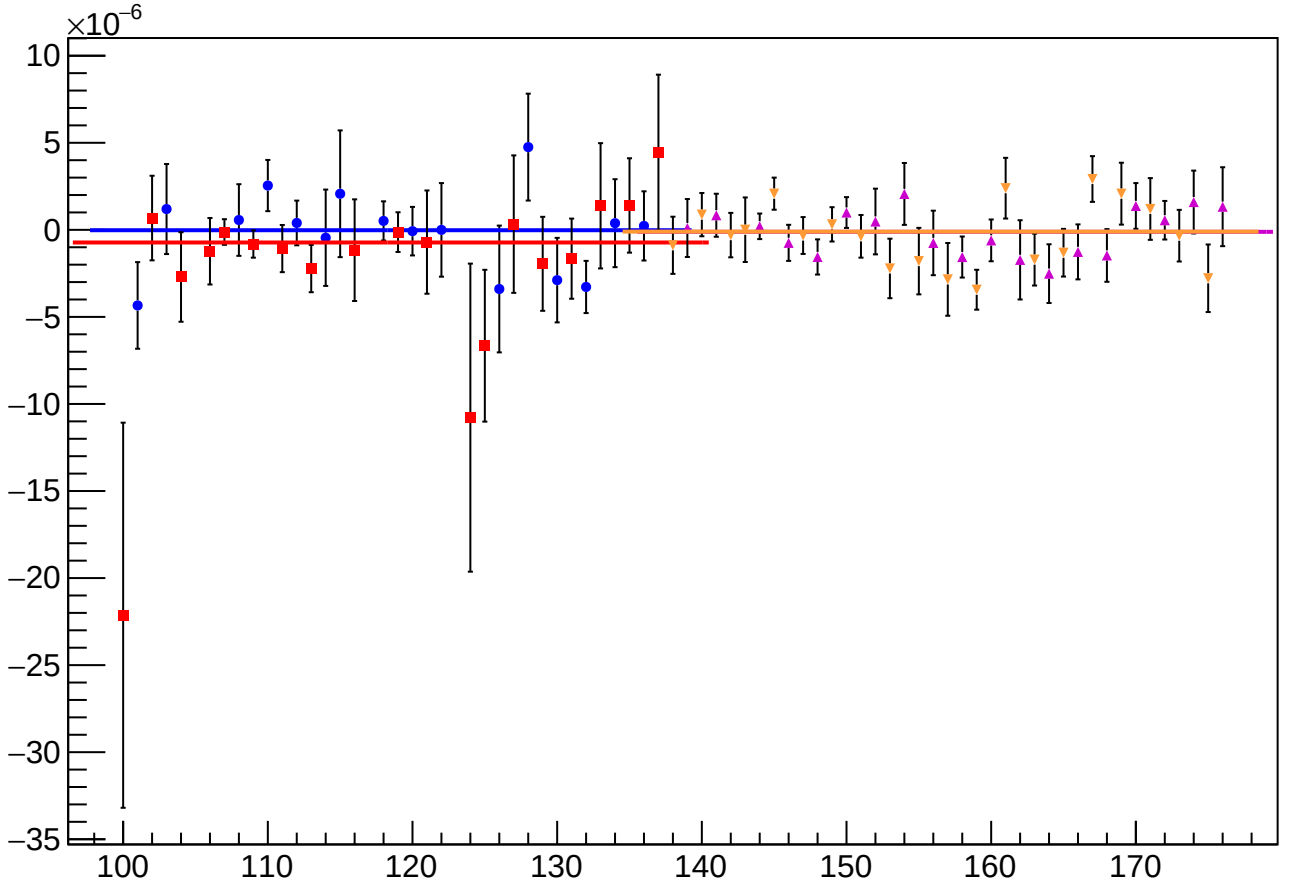
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.159+/-0.003 χ^2/NDF:2945211.4/18

+ sign 16.116+/-0.003 χ^2/NDF: 4284408.1/35

All: 16.082+/-0.002 χ^2/NDF: 8872838.0/73

- sign 16.047+/-0.003 χ^2/NDF: 4588077.5/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:32.5/19

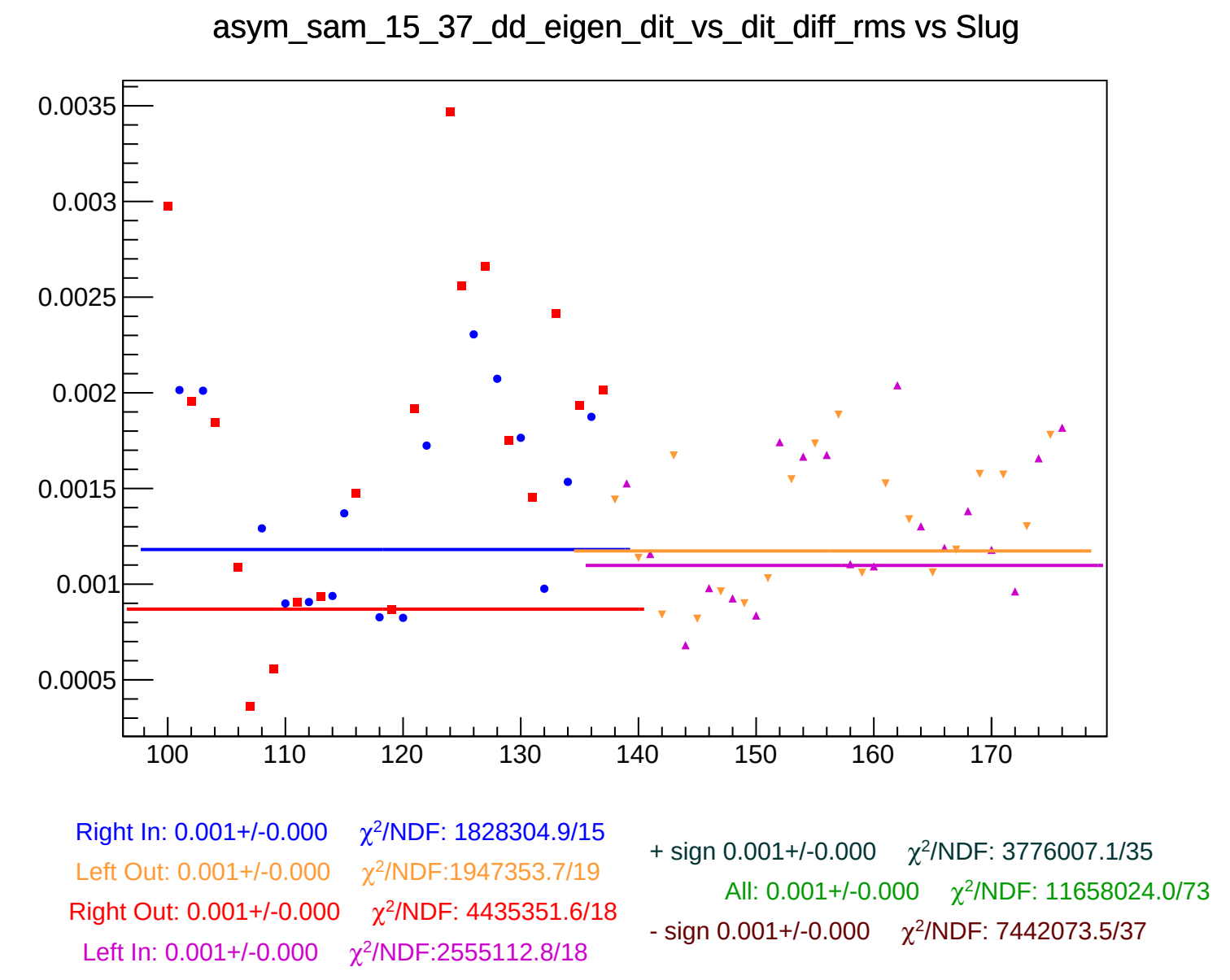
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

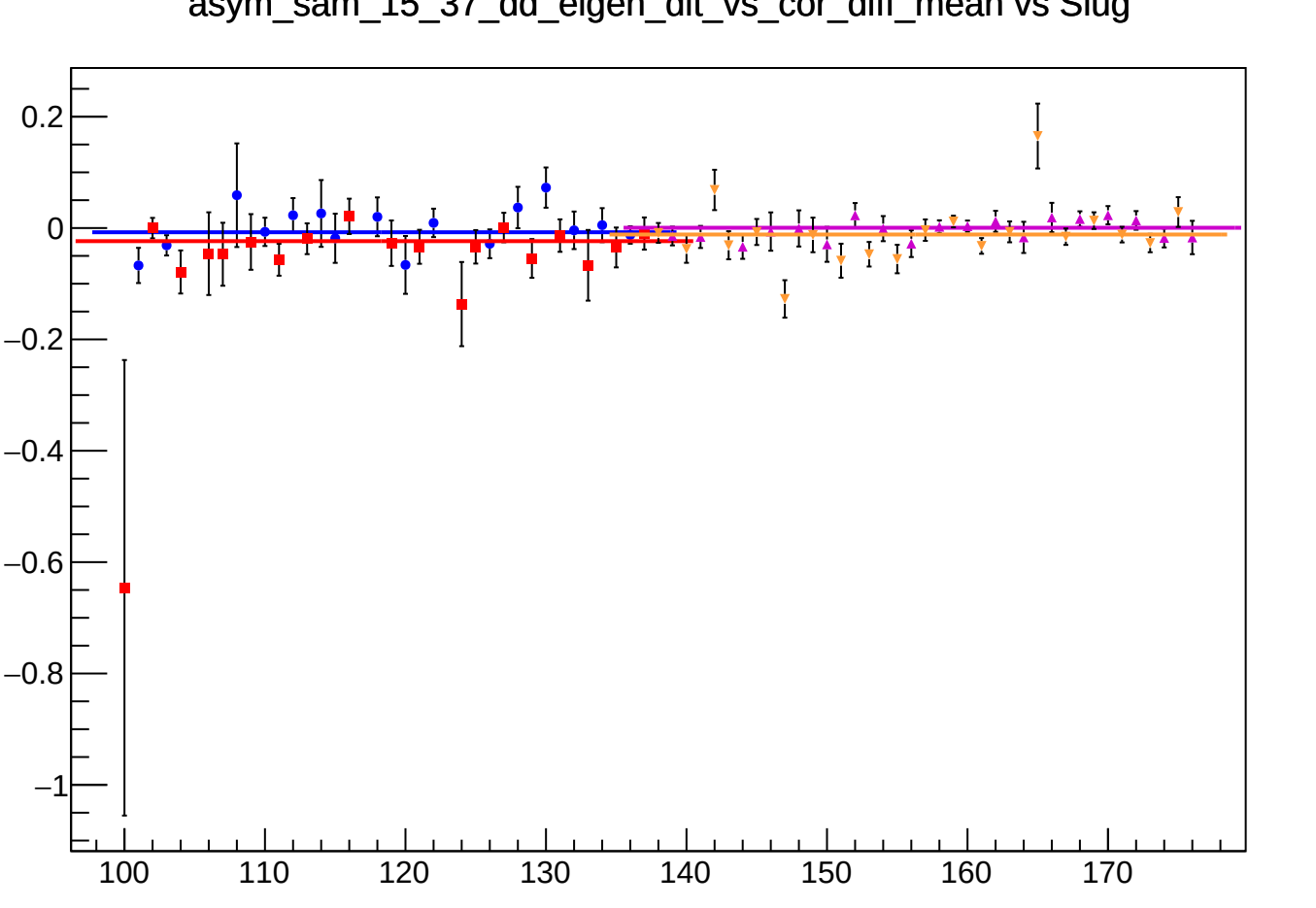
Left In: -0.000+/-0.000 χ^2/NDF:15.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 49.0/35

All: -0.000+/-0.000 χ^2/NDF: 79.1/73

- sign -0.000+/-0.000 χ^2/NDF: 29.5/37


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
160
170
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1947353.7/19
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:2555112.8/18
+ sign 0.001+/-0.000 χ²/NDF: 3776007.1/35
All: 0.001+/-0.000 χ²/NDF: 11658024.0/73
- sign 0.001+/-0.000 χ²/NDF: 7442073.5/37



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

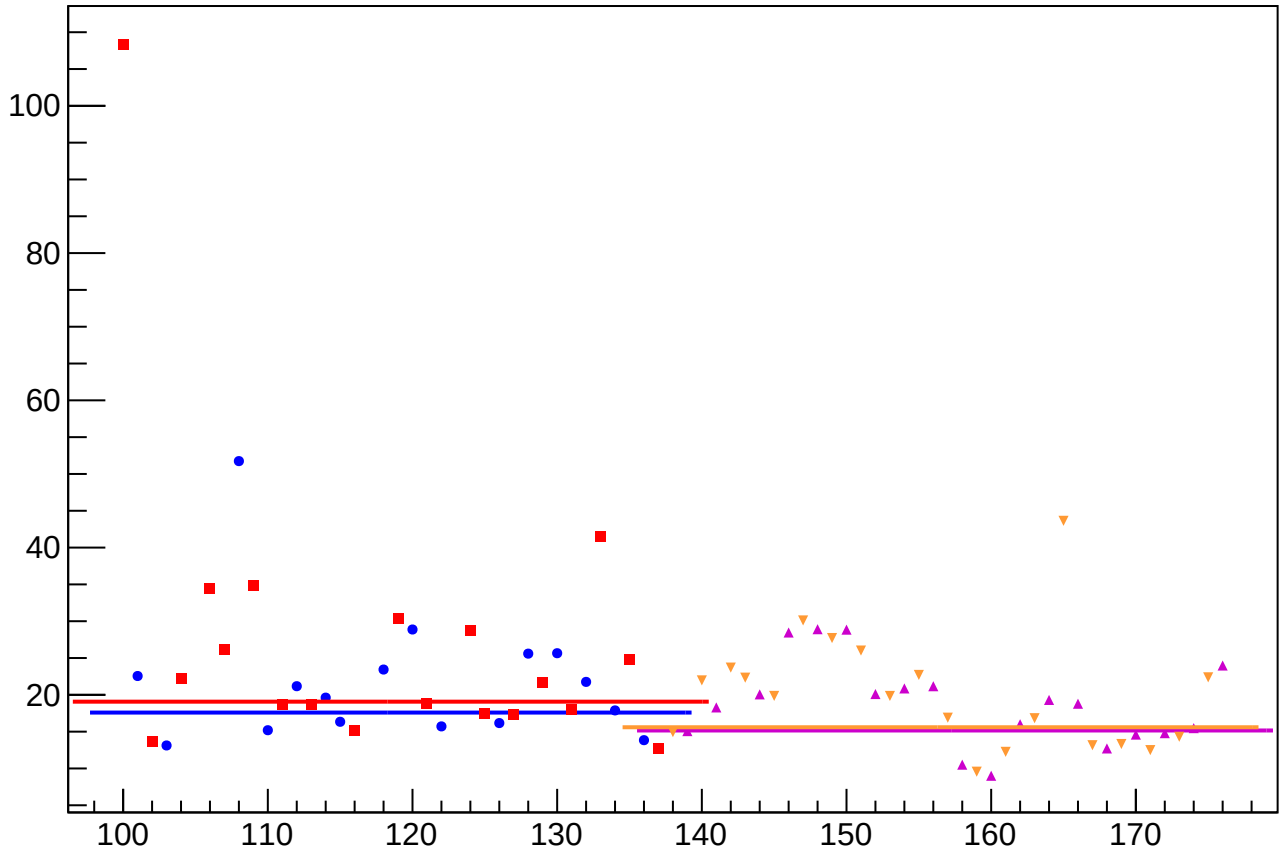
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.004 χ^2/NDF:14.0/18

+ sign -0.011+/-0.004 χ^2/NDF: 65.8/35

All: -0.008+/-0.003 χ^2/NDF: 103.1/73

- sign -0.005+/-0.004 χ^2/NDF: 36.1/37



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.596+/-0.003 χ^2/NDF:3177863.9/19

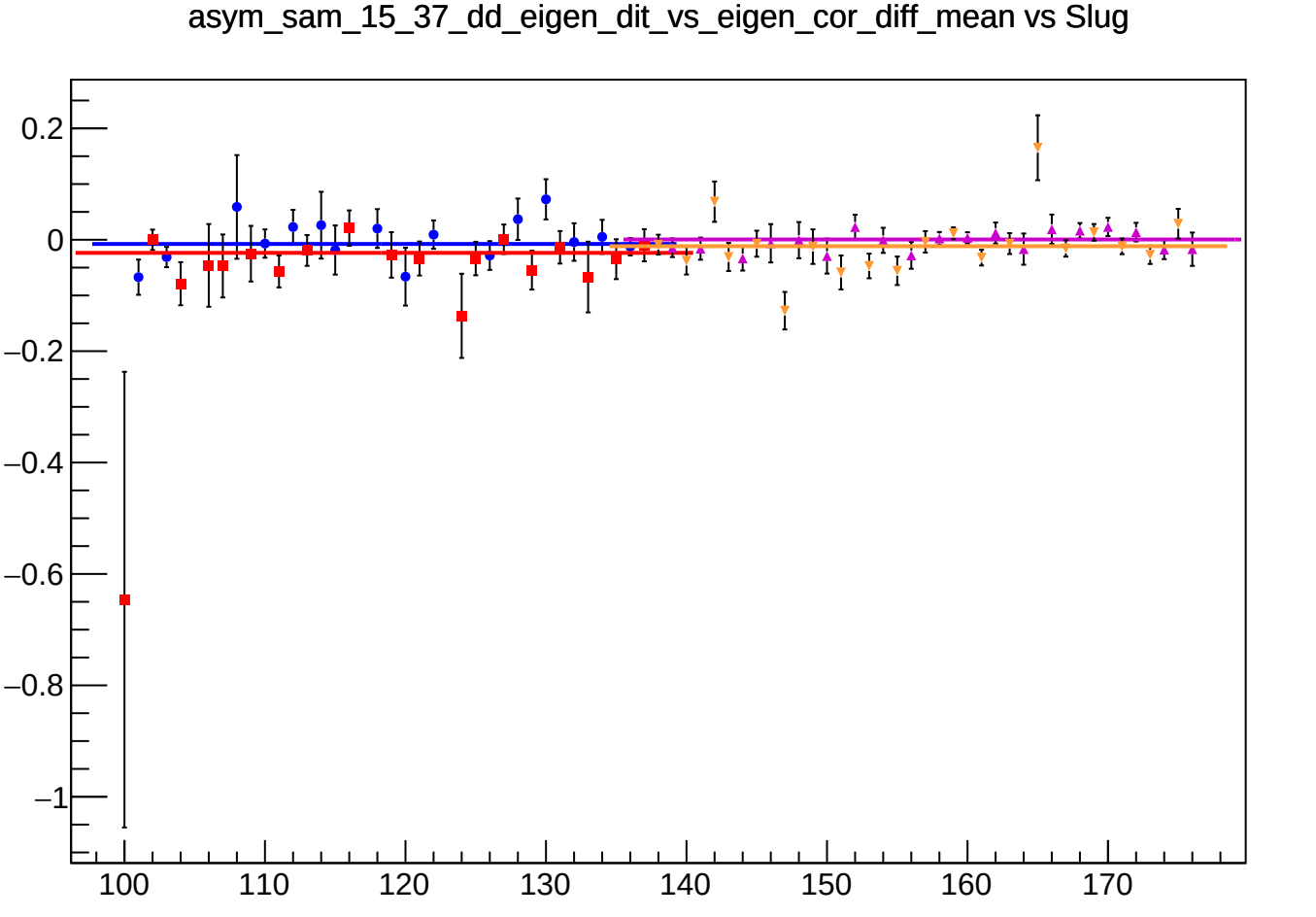
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

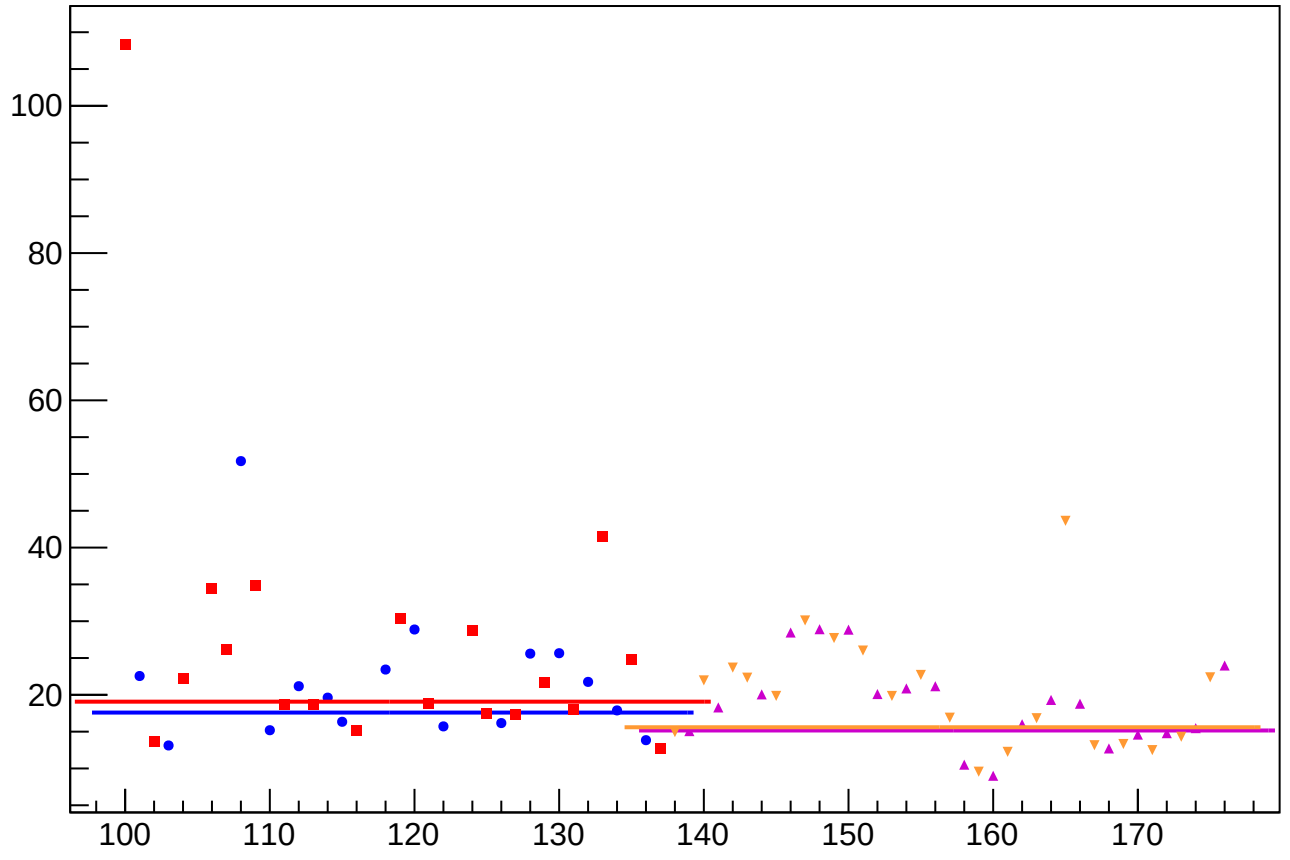
Left In: 15.158+/-0.003 χ^2/NDF:2945525.3/18

+ sign 16.116+/-0.003 χ^2/NDF: 4284727.1/35

All: 16.081+/-0.002 χ^2/NDF: 8873511.0/73

- sign 16.047+/-0.003 χ^2/NDF: 4588431.3/37


asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
Right In: -0.008+/-0.007 χ²/NDF: 16.7/15
Left Out: -0.012+/-0.004 χ²/NDF:48.9/19
Right Out: -0.024+/-0.008 χ²/NDF: 14.6/18
Left In: 0.000+/-0.004 χ²/NDF:14.0/18
+ sign -0.011+/-0.004 χ²/NDF: 65.8/35
All: -0.008+/-0.003 χ²/NDF: 103.1/73
- sign -0.005+/-0.004 χ²/NDF: 36.1/37



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.596+/-0.003 χ^2/NDF:3177863.9/19

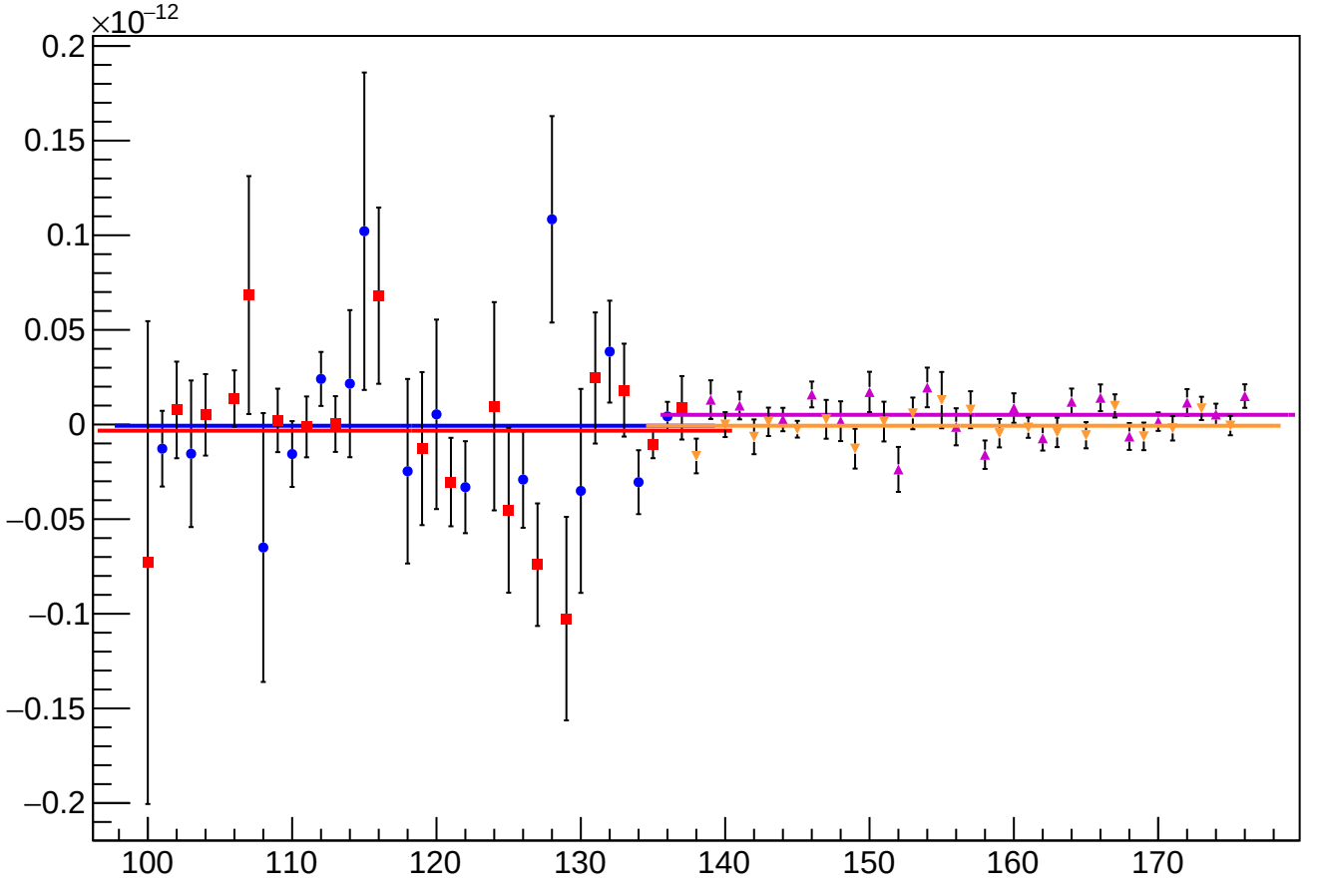
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.158+/-0.003 χ^2/NDF:2945525.3/18

+ sign 16.116+/-0.003 χ^2/NDF: 4284727.1/35

All: 16.081+/-0.002 χ^2/NDF: 8873511.0/73

- sign 16.047+/-0.003 χ^2/NDF: 4588431.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/19

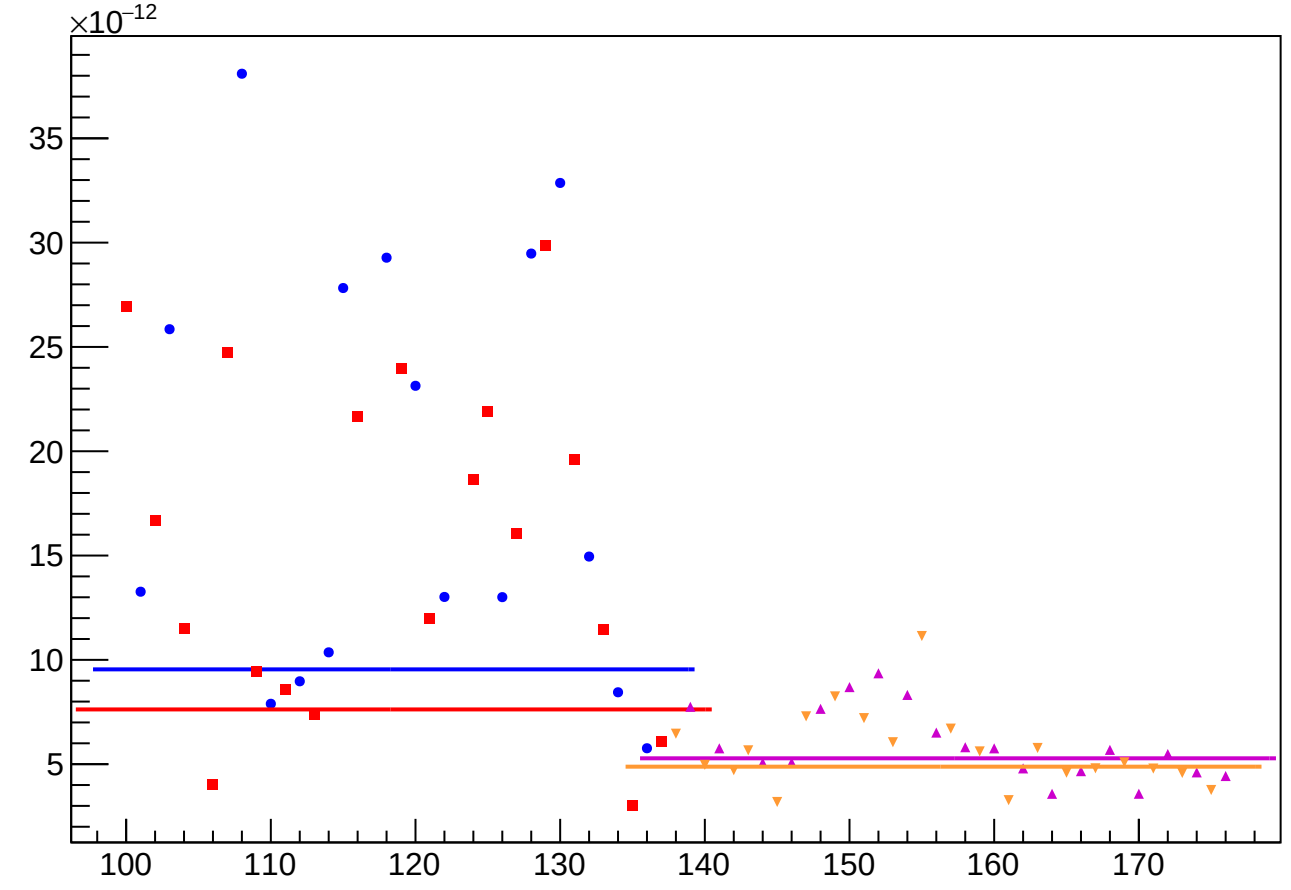
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:34.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/35

All: 0.000+/-0.000 χ^2/NDF: 95.6/73

- sign 0.000+/-0.000 χ^2/NDF: 56.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1582652.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

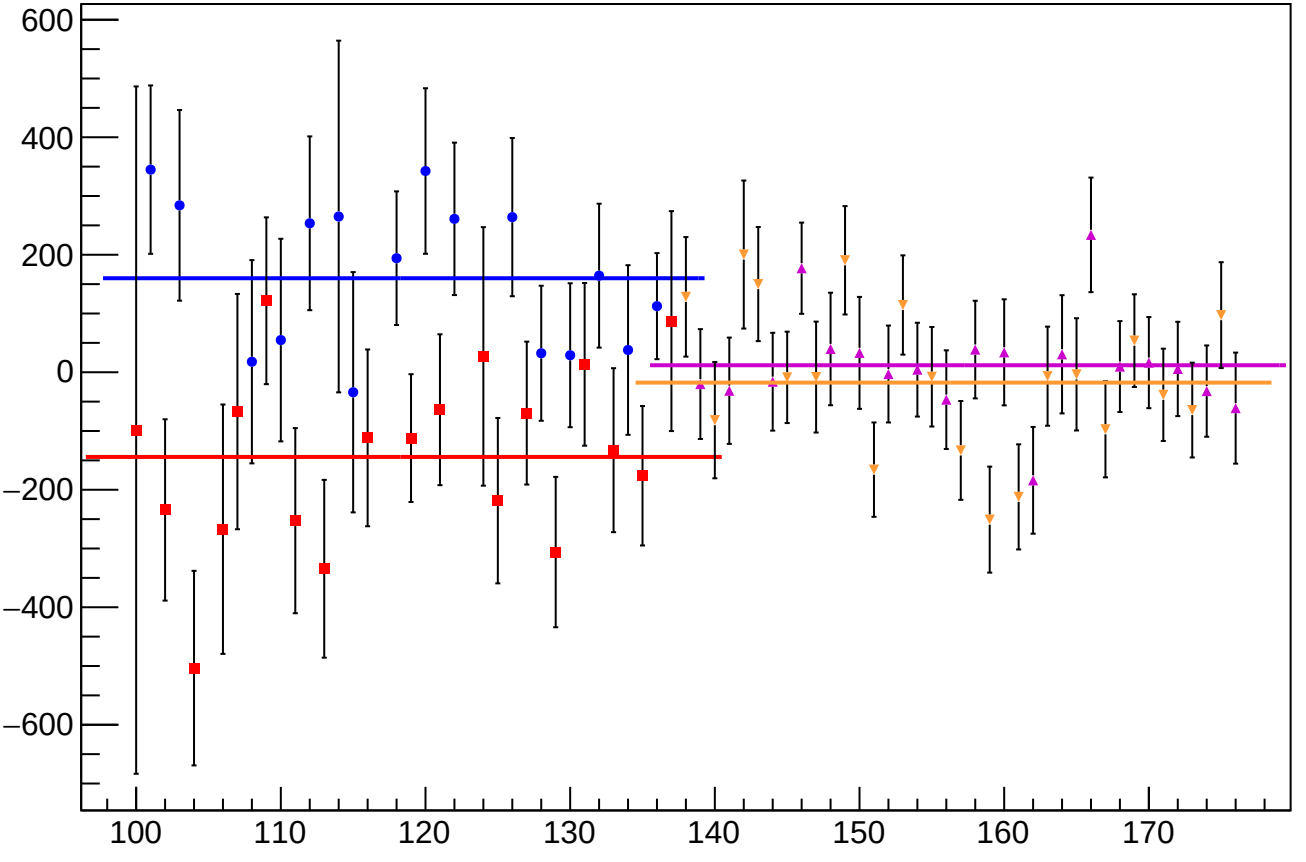
Left In: 0.000+/-0.000 χ^2/NDF:1349995.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 5758182.1/35

All: 0.000+/-0.000 χ^2/NDF: 10703878.0/73

- sign 0.000+/-0.000 χ^2/NDF: 4915052.1/37

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -17.622+/-19.664 χ^2/NDF:36.6/19

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

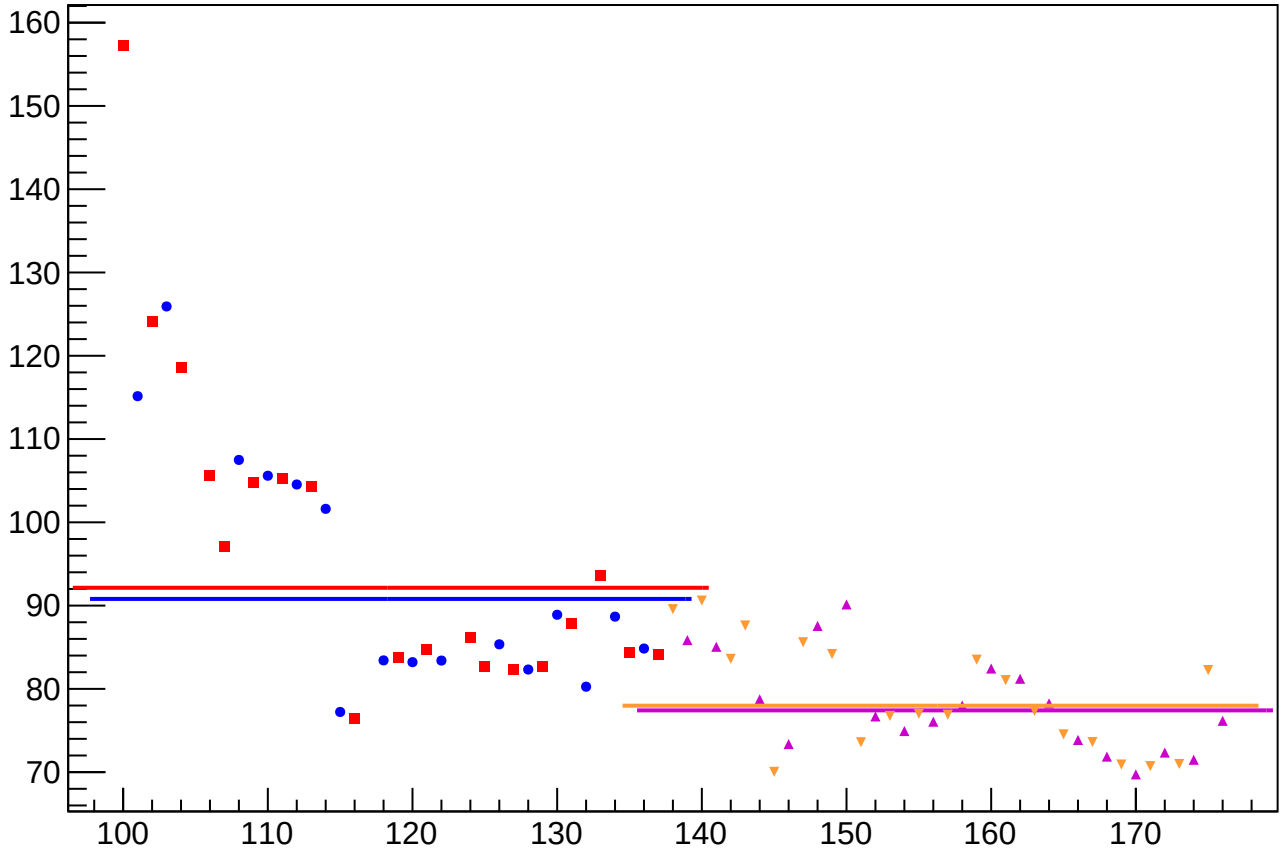
Left In: 11.929+/-19.723 χ^2/NDF:16.6/18

\+ sign 26.572+/-17.043 χ^2/NDF: 67.9/35

All: -0.141+/-12.067 χ^2/NDF: 122.5/73

\- sign -26.993+/-17.087 χ^2/NDF: 49.6/37

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 77.981+/-0.014 χ^2/NDF:203106.1/19

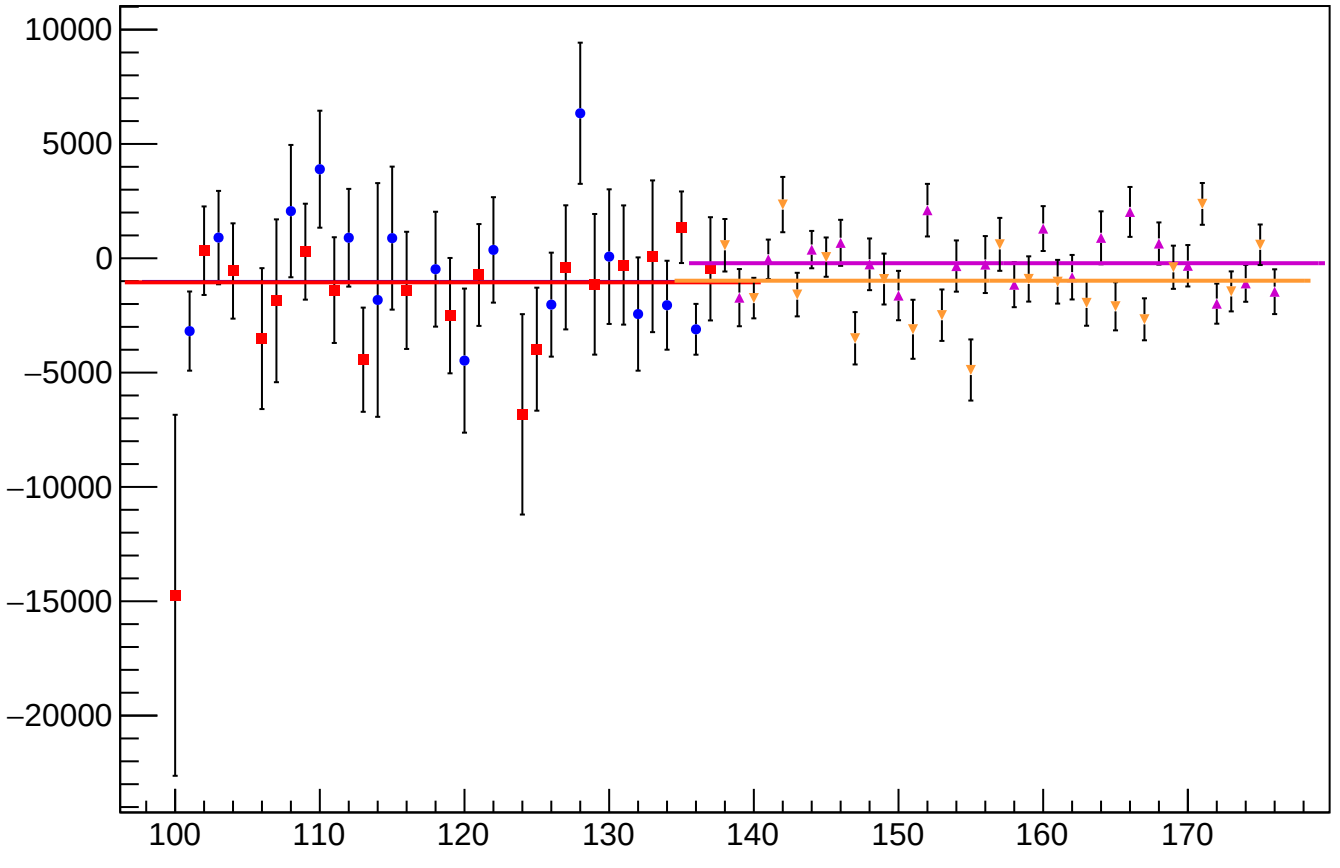
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.417+/-0.014 χ^2/NDF:159669.3/18

+ sign 81.171+/-0.012 χ^2/NDF: 687369.7/35

All: 81.130+/-0.009 χ^2/NDF: 1427123.8/73

- sign 81.090+/-0.012 χ^2/NDF: 739731.5/37



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -981.038+/-226.247 χ^2/NDF:54.5/19

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

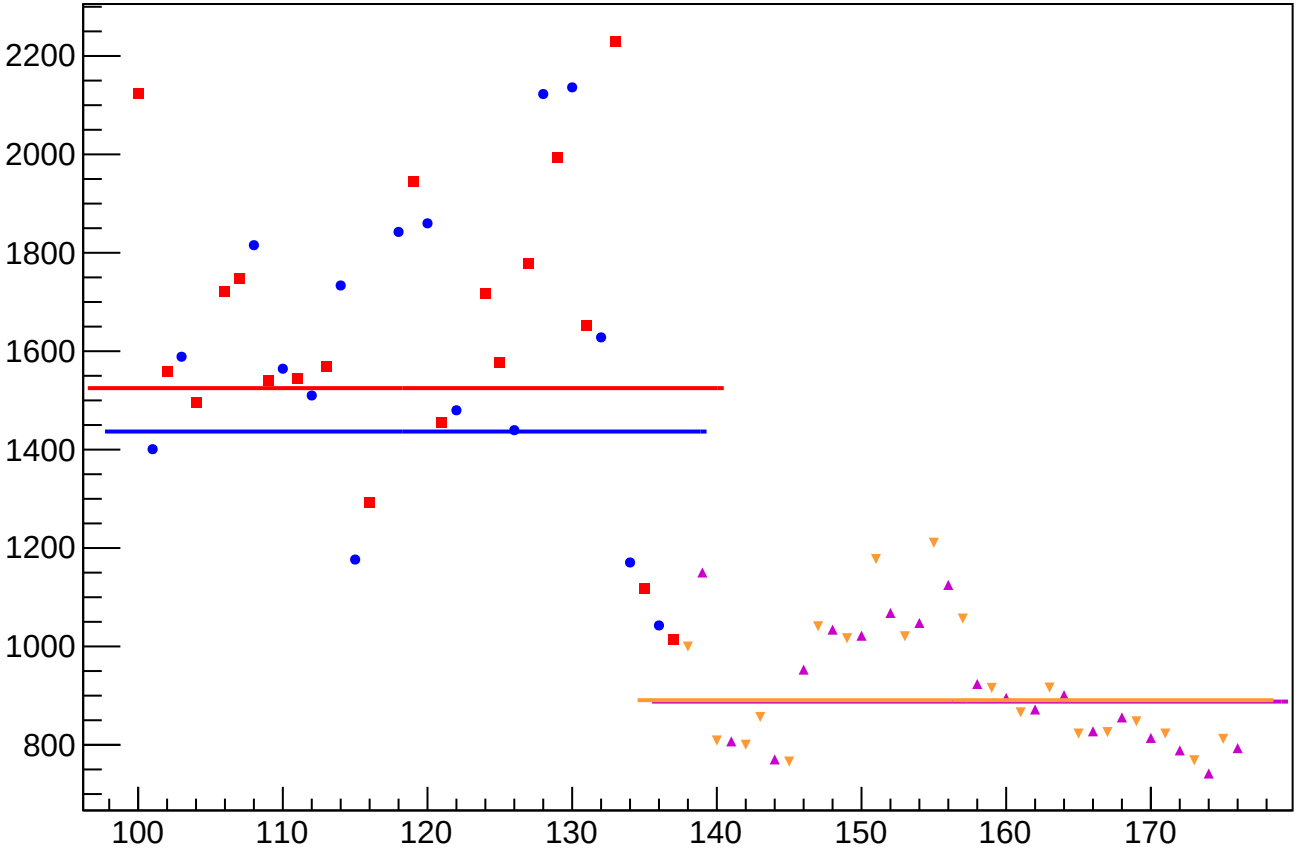
Left In: -215.394+/-227.654 χ^2/NDF:25.2/18

+ sign -988.848+/-209.247 χ^2/NDF: 74.8/35

All: -663.127+/-148.702 χ^2/NDF: 119.6/73

- sign -330.791+/-211.361 χ^2/NDF: 40.0/37

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 890.782+/-0.160 χ^2/NDF:523806.5/19

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

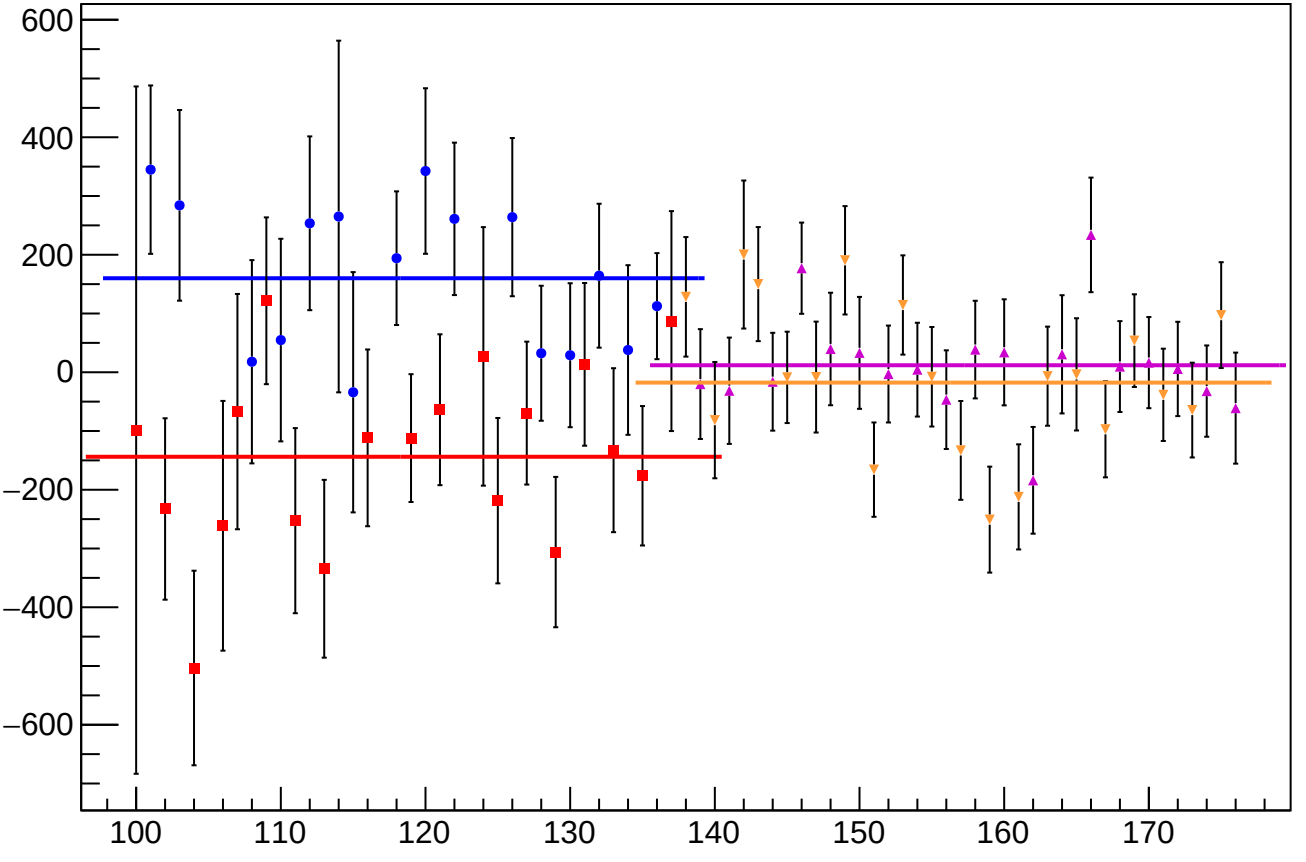
Left In: 887.926+/-0.161 χ^2/NDF:517120.3/18

+ sign 969.745+/-0.148 χ^2/NDF: 2883857.7/35

All: 972.764+/-0.105 χ^2/NDF: 6067727.2/73

- sign 975.845+/-0.149 χ^2/NDF: 3183028.0/37

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -17.621+/-19.664 χ^2/NDF:36.6/19

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

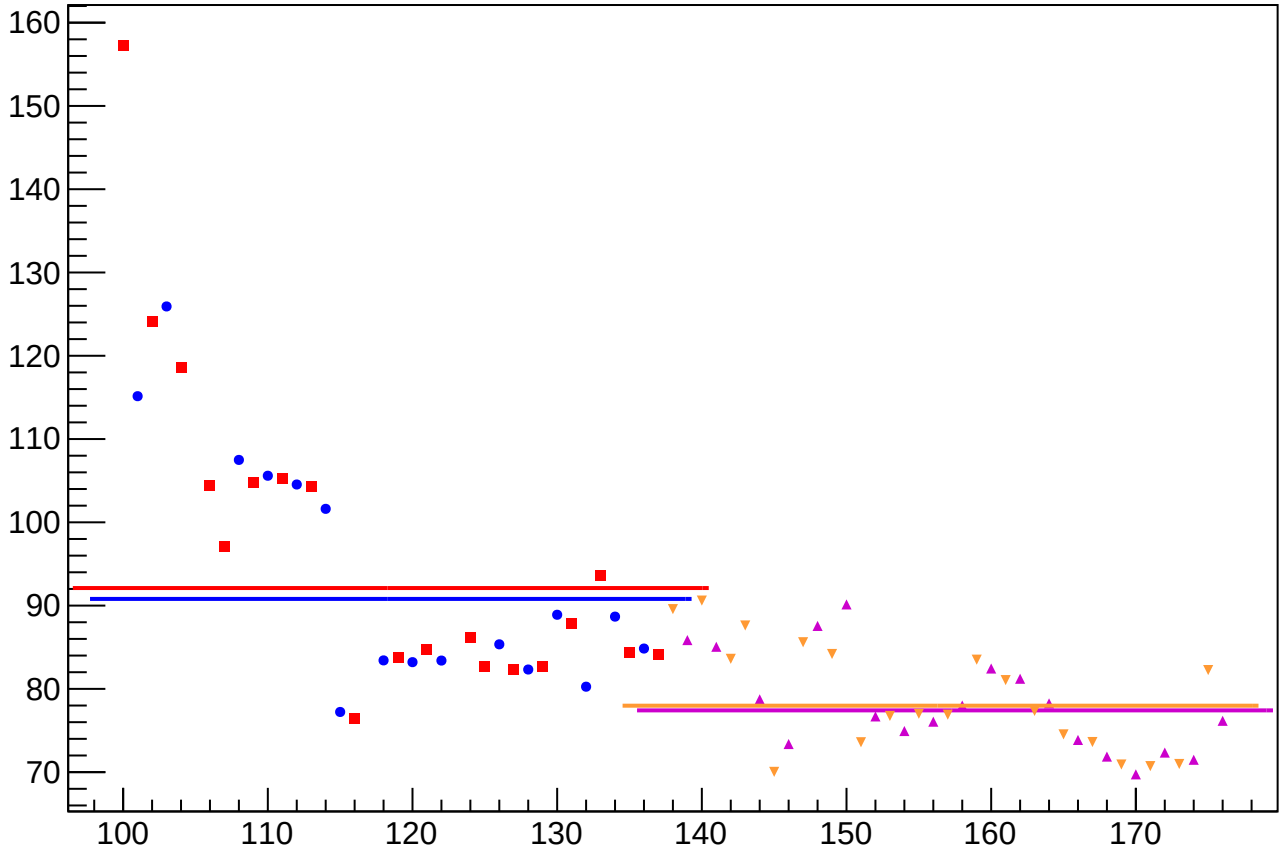
Left In: 11.931+/-19.723 χ^2/NDF:16.6/18

+ sign 26.573+/-17.043 χ^2/NDF: 67.9/35

All: -0.106+/-12.067 χ^2/NDF: 122.4/73

- sign -26.924+/-17.087 χ^2/NDF: 49.5/37

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.981+/-0.014 χ^2/NDF:203106.1/19

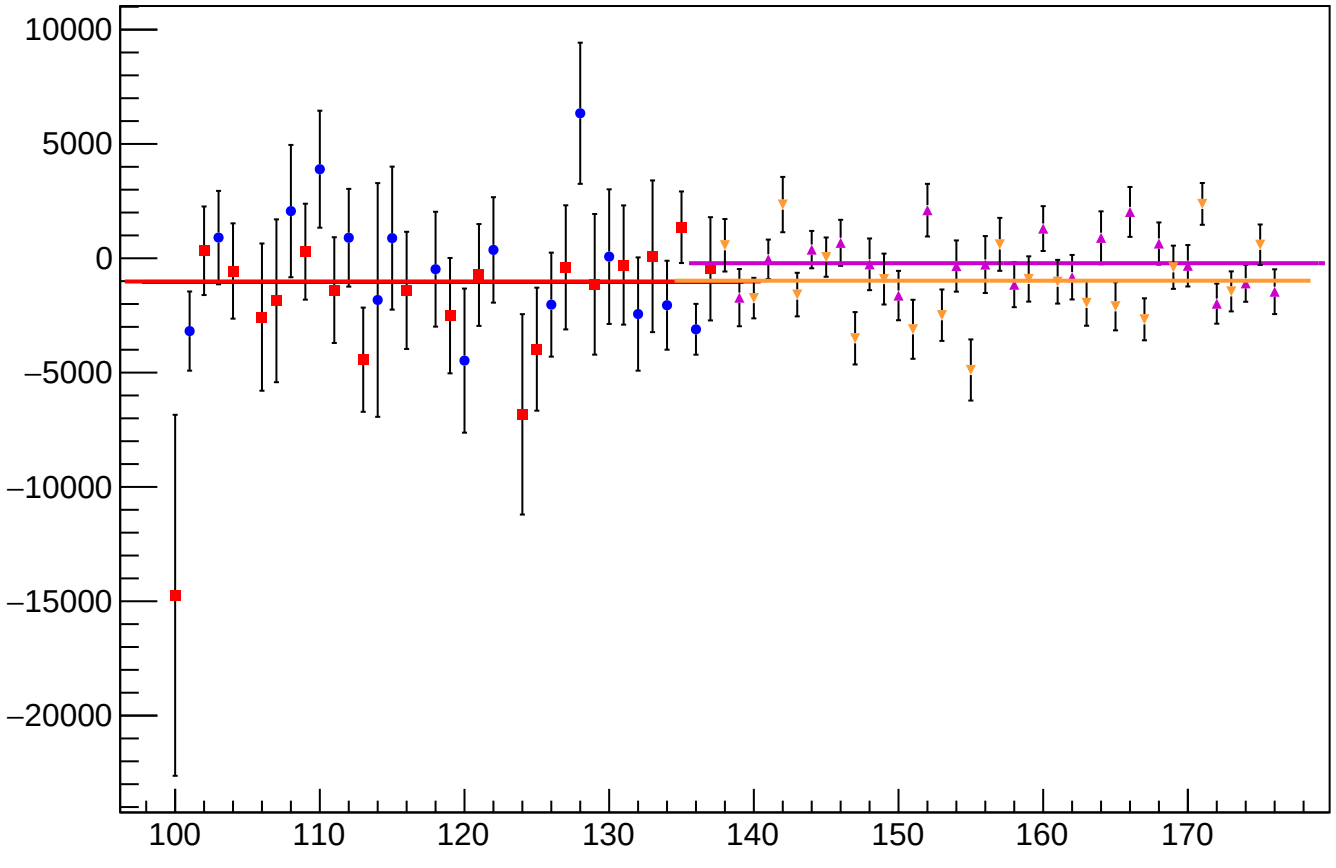
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.417+/-0.014 χ^2/NDF:159669.3/18

+ sign 81.171+/-0.012 χ^2/NDF: 687371.7/35

All: 81.126+/-0.009 χ^2/NDF: 1424592.5/73

- sign 81.081+/-0.012 χ^2/NDF: 737193.1/37



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -981.035+/-226.247 χ^2/NDF:54.5/19

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

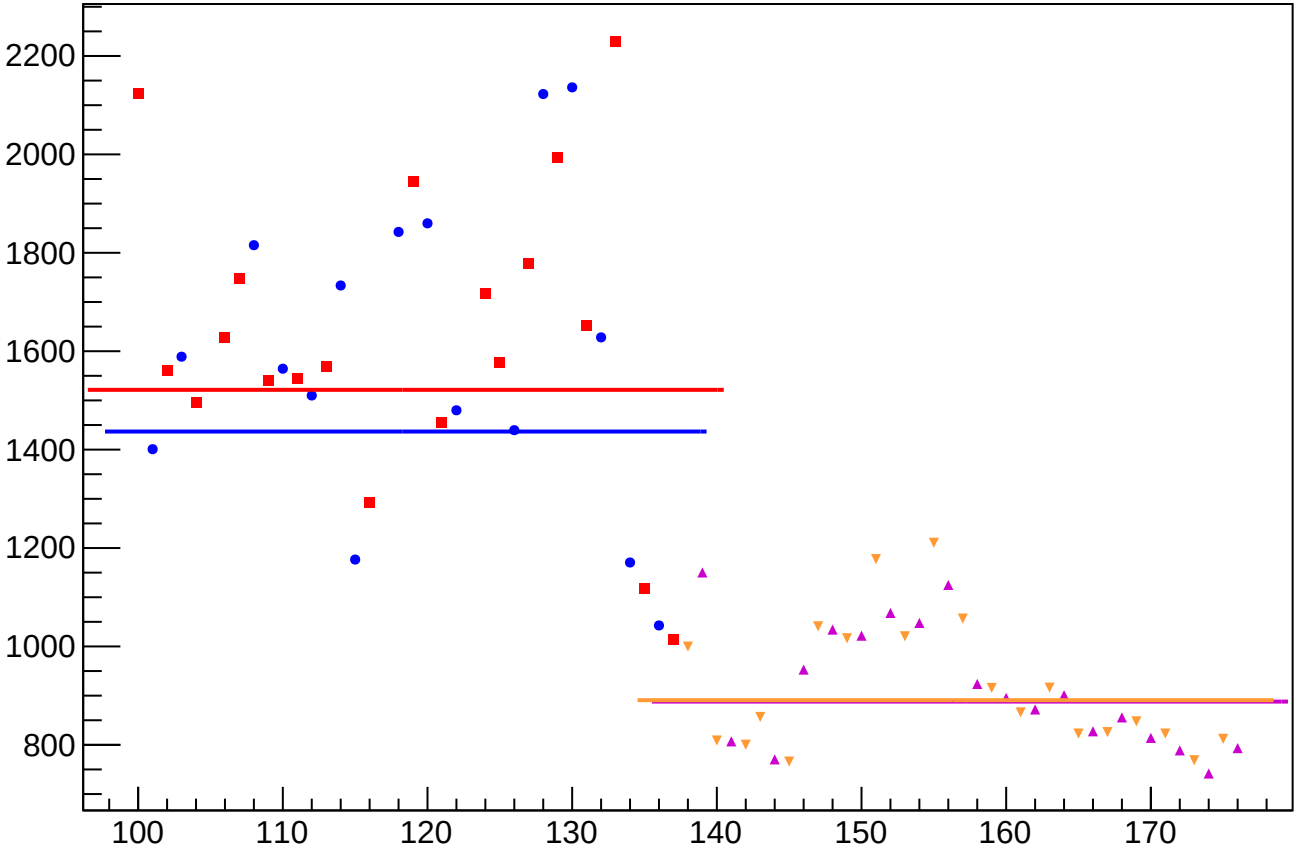
Left In: -215.395+/-227.654 χ^2/NDF:25.2/18

+ sign -988.842+/-209.247 χ^2/NDF: 74.8/35

All: -660.585+/-148.717 χ^2/NDF: 119.1/73

- sign -325.526+/-211.404 χ^2/NDF: 39.4/37

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 890.782+/-0.160 χ^2/NDF:523807.8/19

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

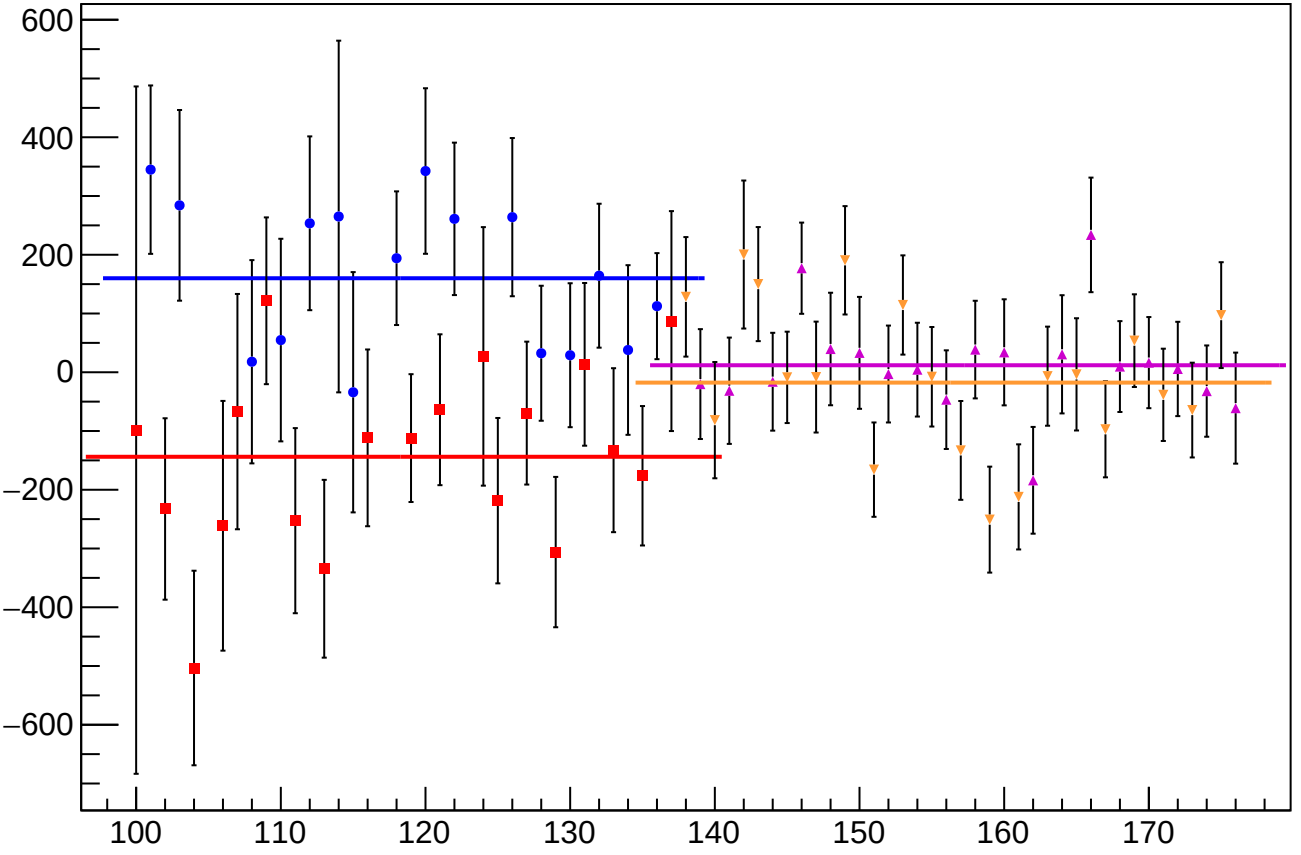
Left In: 887.926+/-0.161 χ^2/NDF:517120.1/18

+ sign 969.744+/-0.148 χ^2/NDF: 2883882.6/35

All: 972.418+/-0.105 χ^2/NDF: 6032540.0/73

- sign 975.147+/-0.149 χ^2/NDF: 3147997.7/37

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -17.621+/-19.664 χ^2/NDF:36.6/19

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

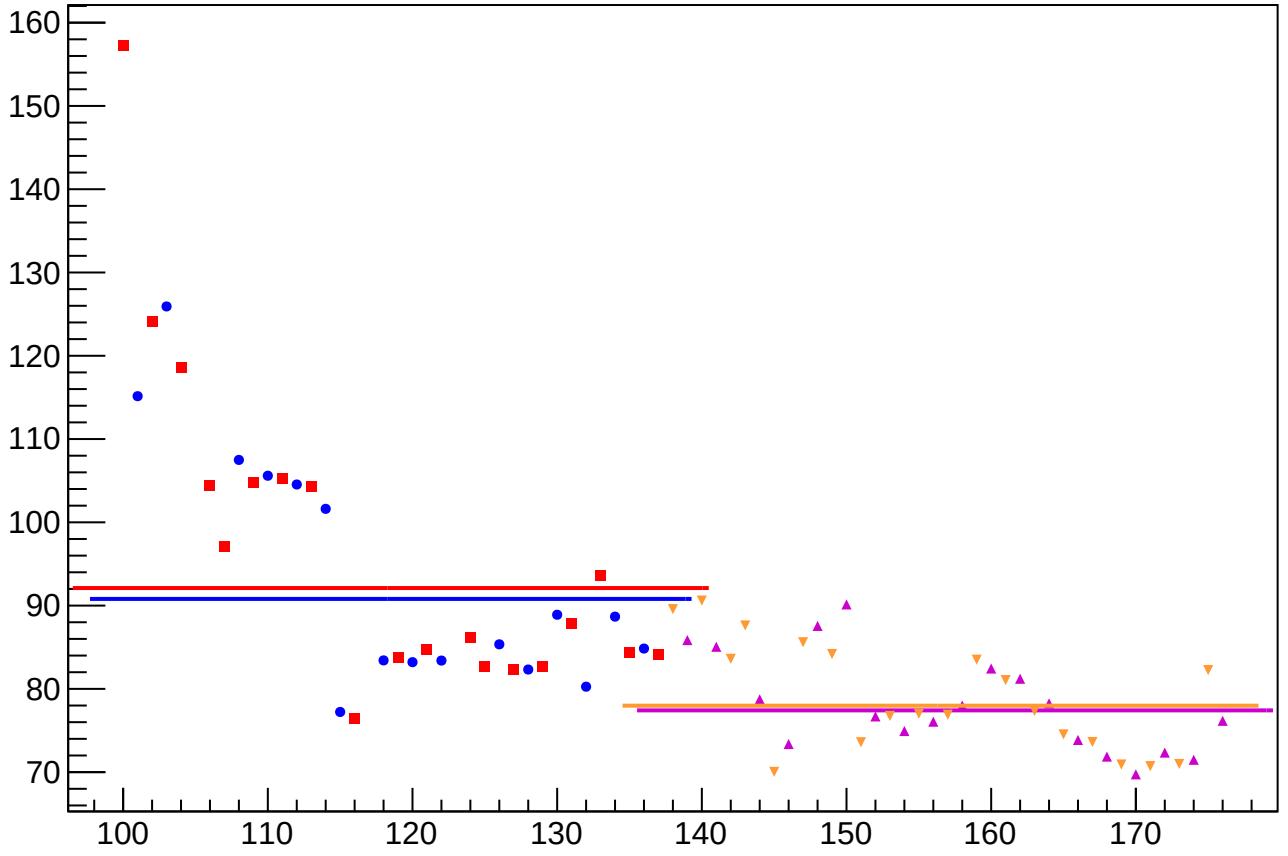
Left In: 11.931+/-19.723 χ^2/NDF:16.6/18

+ sign 26.573+/-17.043 χ^2/NDF: 67.9/35

All: -0.106+/-12.067 χ^2/NDF: 122.4/73

- sign -26.924+/-17.087 χ^2/NDF: 49.5/37

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.981+/-0.014 χ^2/NDF:203106.1/19

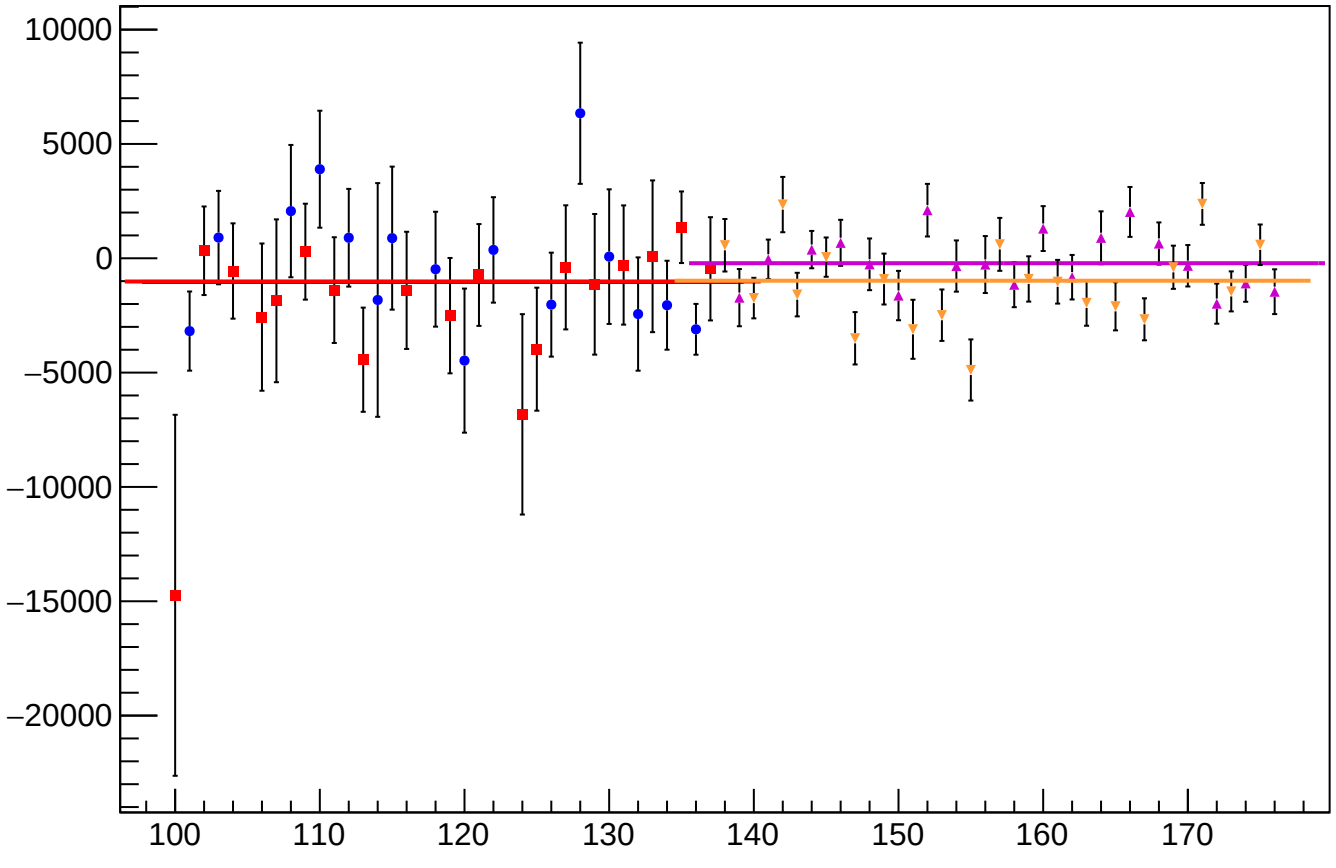
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.417+/-0.014 χ^2/NDF:159669.3/18

+ sign 81.171+/-0.012 χ^2/NDF: 687371.7/35

All: 81.126+/-0.009 χ^2/NDF: 1424592.5/73

- sign 81.081+/-0.012 χ^2/NDF: 737193.1/37



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -981.035+/-226.247 χ^2/NDF:54.5/19

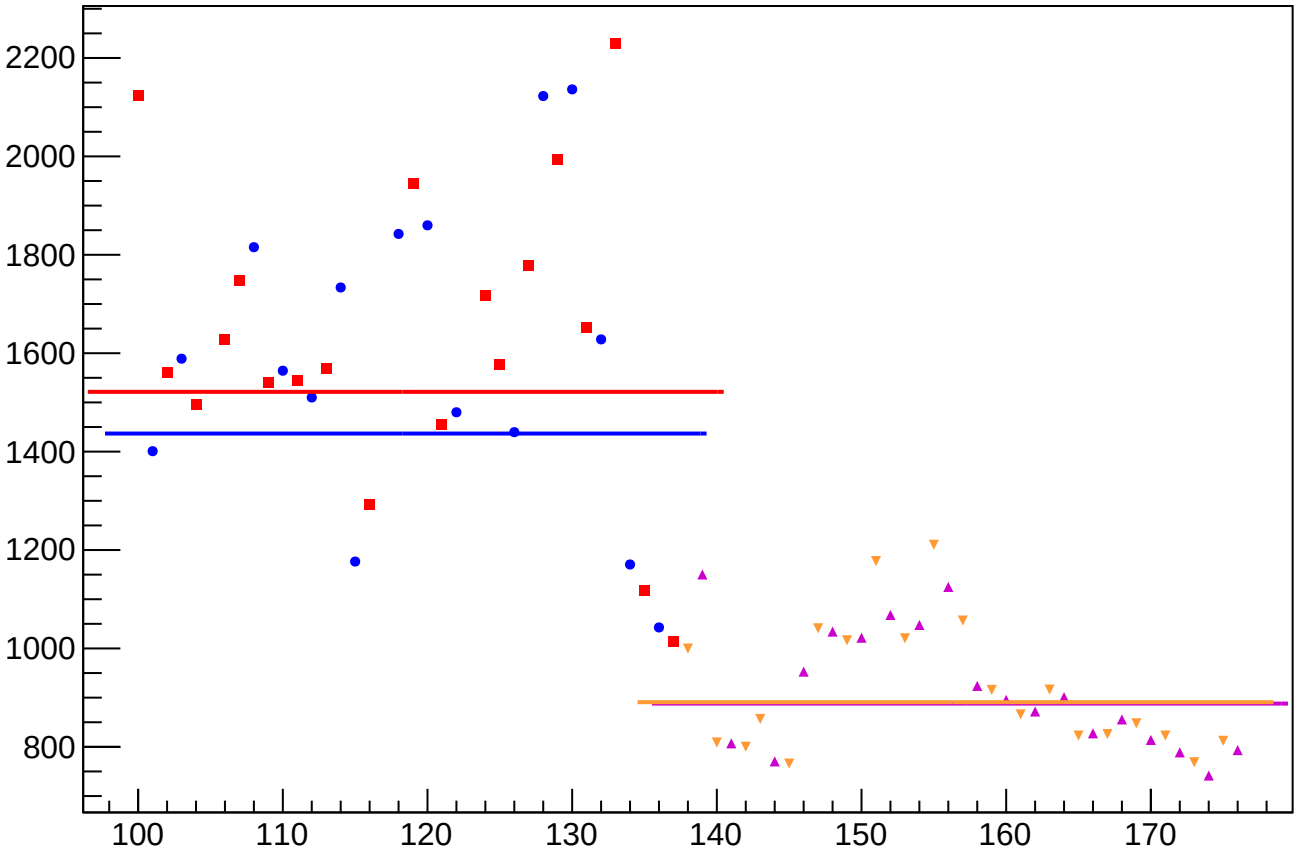
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -215.395+/-227.654 χ^2/NDF:25.2/18

+ sign -988.842+/-209.247 χ^2/NDF: 74.8/35

All: -660.585+/-148.717 χ^2/NDF: 119.1/73

- sign -325.526+/-211.404 χ^2/NDF: 39.4/37



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 890.782+/-0.160 χ^2/NDF:523807.8/19

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

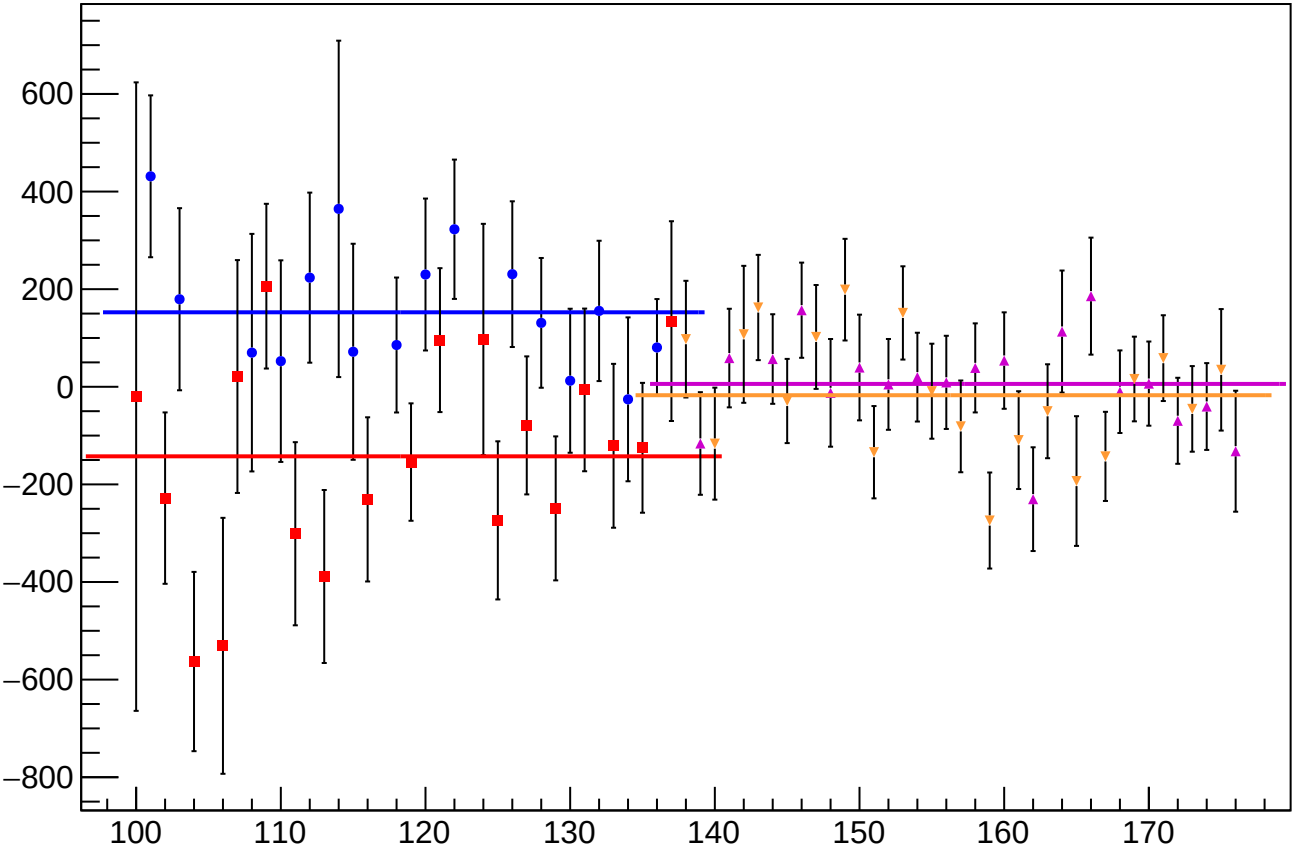
Left In: 887.926+/-0.161 χ^2/NDF:517120.1/18

+ sign 969.744+/-0.148 χ^2/NDF: 2883882.6/35

All: 972.418+/-0.105 χ^2/NDF: 6032540.0/73

- sign 975.147+/-0.149 χ^2/NDF: 3147997.7/37

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -17.287+/-22.463 χ^2/NDF:28.5/19

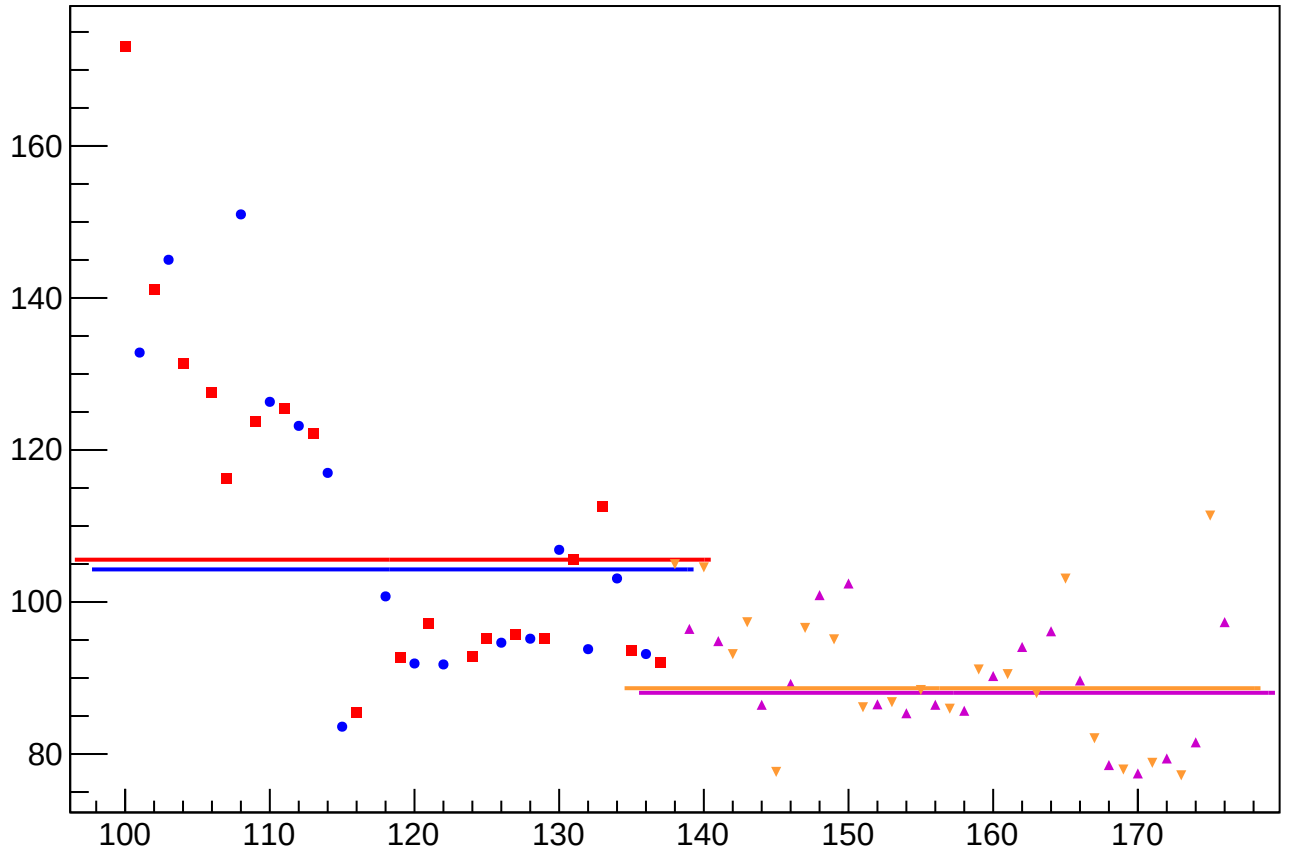
Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: 5.869+/-22.560 χ^2/NDF:15.0/18

+ sign 24.320+/-19.520 χ^2/NDF: 51.2/35

All: -3.192+/-13.820 χ^2/NDF: 103.8/73

- sign -30.846+/-19.570 χ^2/NDF: 48.7/37



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 88.657+/-0.016 χ^2/NDF:337858.5/19

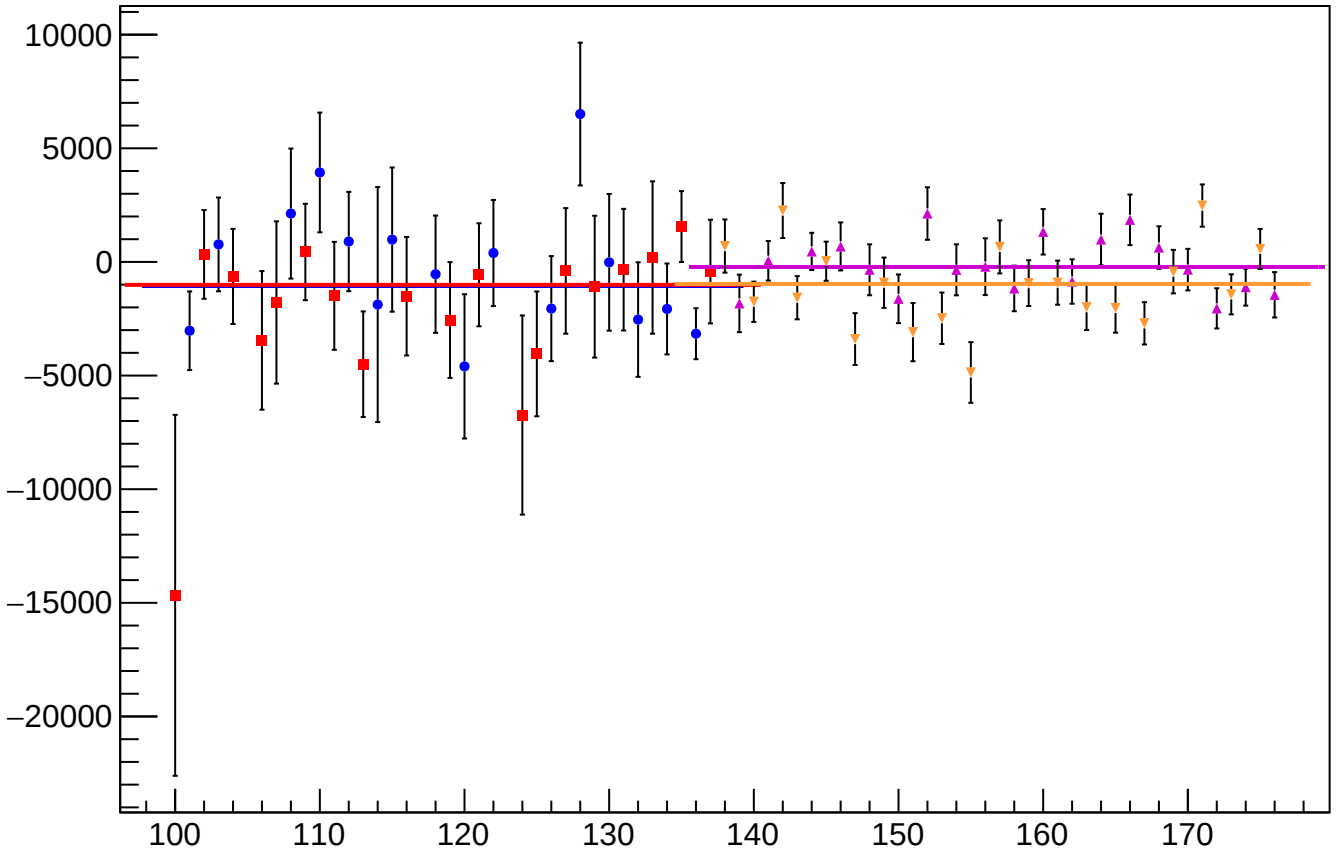
Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 88.052+/-0.016 χ^2/NDF:202232.1/18

+ sign 92.484+/-0.014 χ^2/NDF: 953247.5/35

All: 92.436+/-0.010 χ^2/NDF: 1798467.4/73

- sign 92.387+/-0.014 χ^2/NDF: 845195.0/37



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -968.535+/-227.763 χ^2/NDF:54.1/19

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

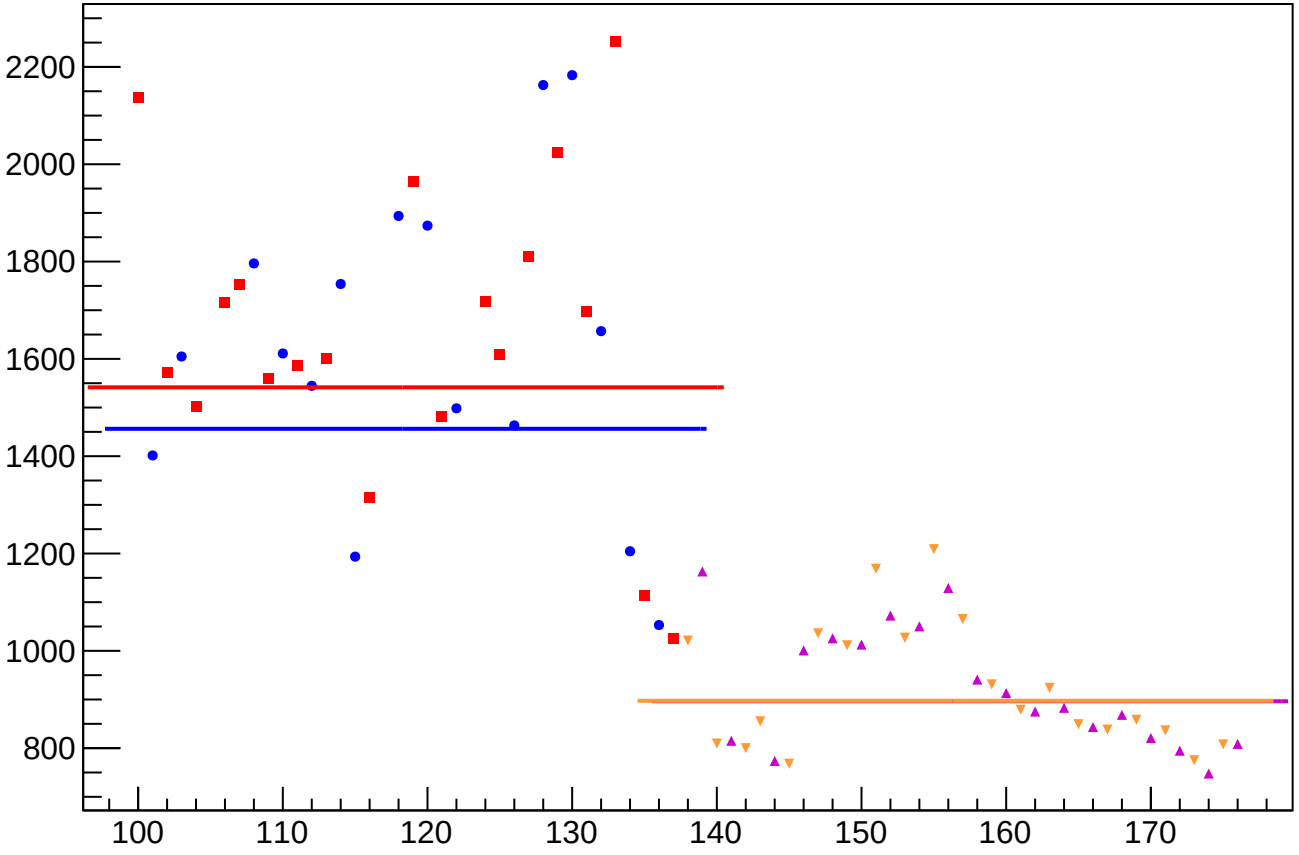
Left In: -220.890+/-229.743 χ^2/NDF:25.1/18

\+ sign -981.520+/-210.854 χ^2/NDF: 74.1/35

All: -659.334+/-149.970 χ^2/NDF: 118.9/73

\- sign -329.477+/-213.349 χ^2/NDF: 40.1/37

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 897.378+/-0.161 χ^2/NDF:508821.6/19

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

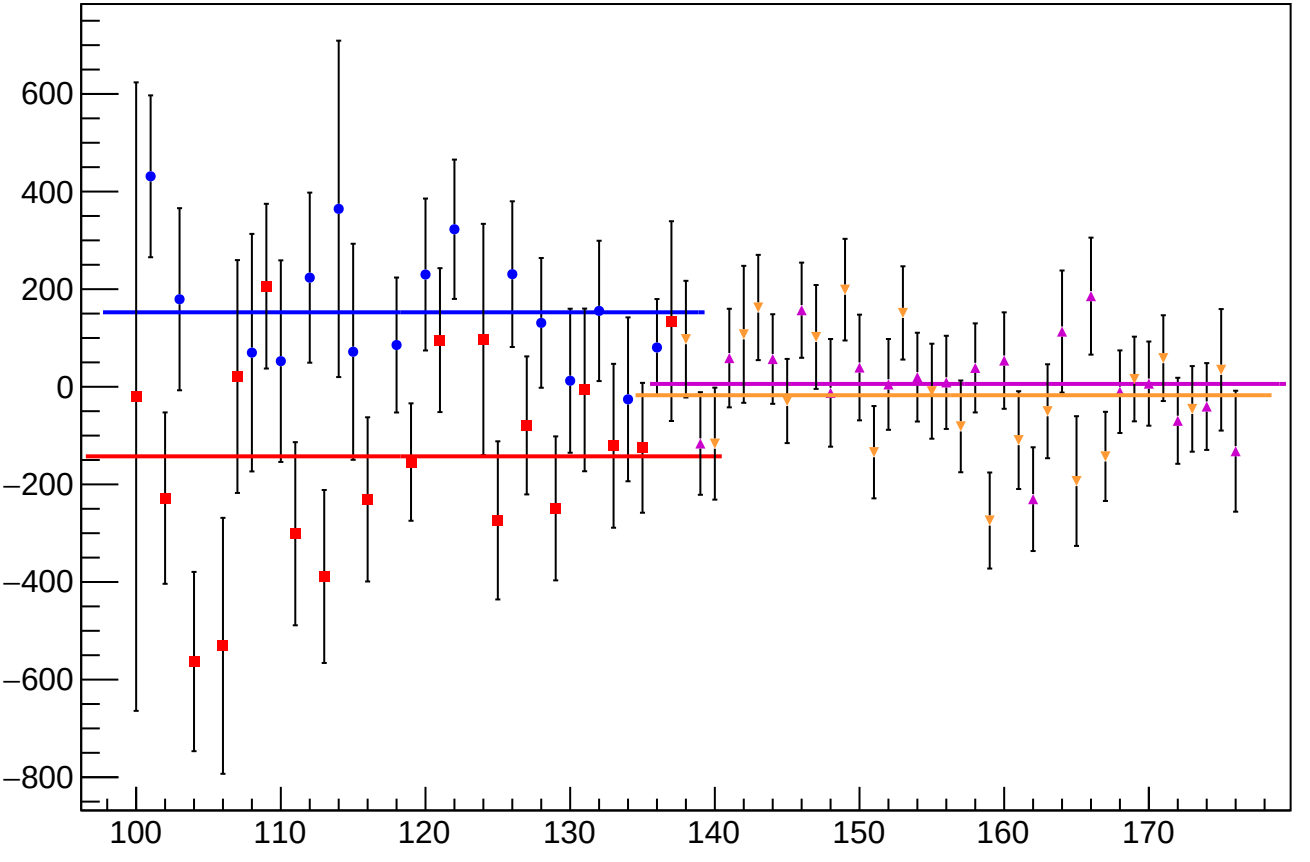
Left In: 896.419+/-0.162 χ^2/NDF:508957.3/18

+ sign 977.288+/-0.149 χ^2/NDF: 2915565.2/35

All: 981.198+/-0.106 χ^2/NDF: 6115447.8/73

- sign 985.200+/-0.151 χ^2/NDF: 3198491.1/37

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -17.287+/-22.463 χ^2/NDF:28.5/19

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

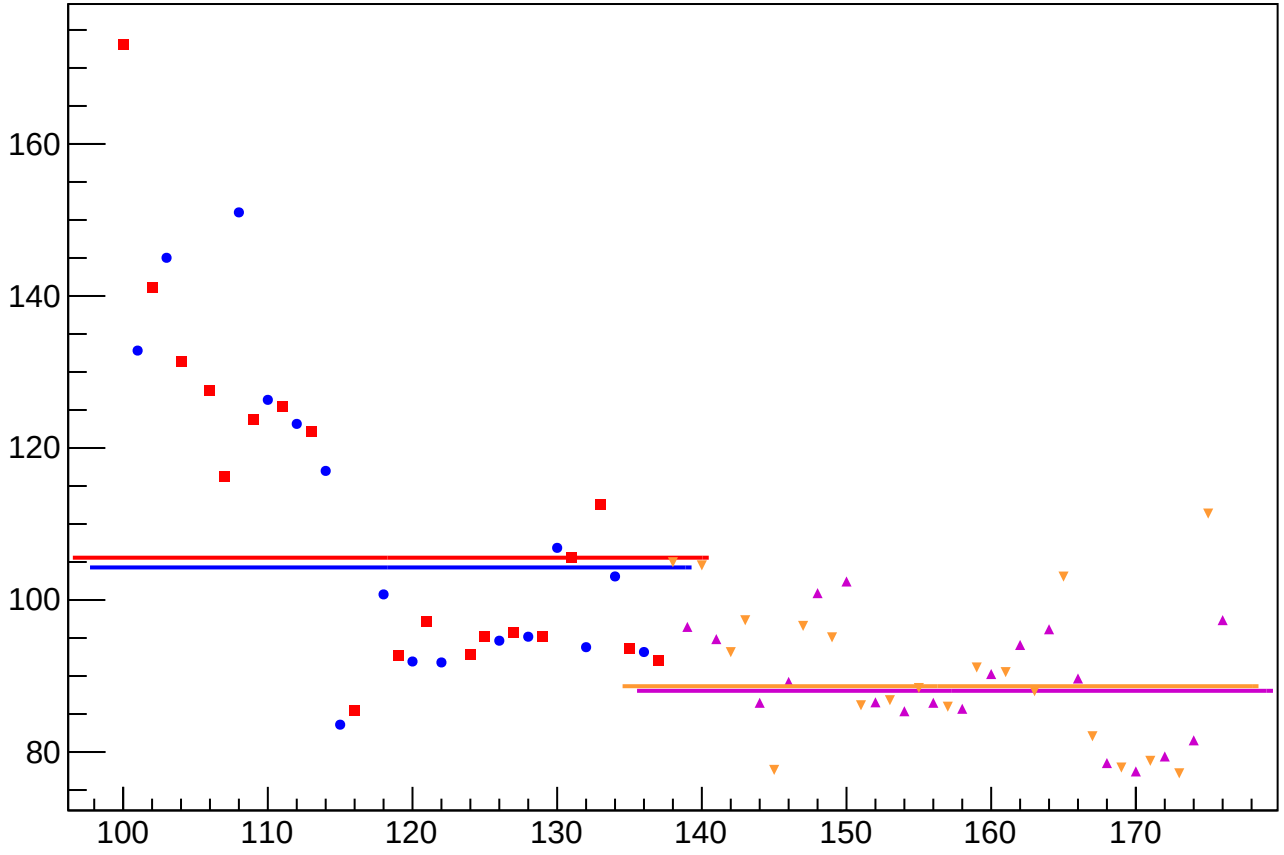
Left In: 5.869+/-22.560 χ^2/NDF:15.0/18

+ sign 24.321+/-19.520 χ^2/NDF: 51.2/35

All: -3.191+/-13.820 χ^2/NDF: 103.8/73

- sign -30.846+/-19.570 χ^2/NDF: 48.7/37

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 88.657+/-0.016 χ^2/NDF:337856.8/19

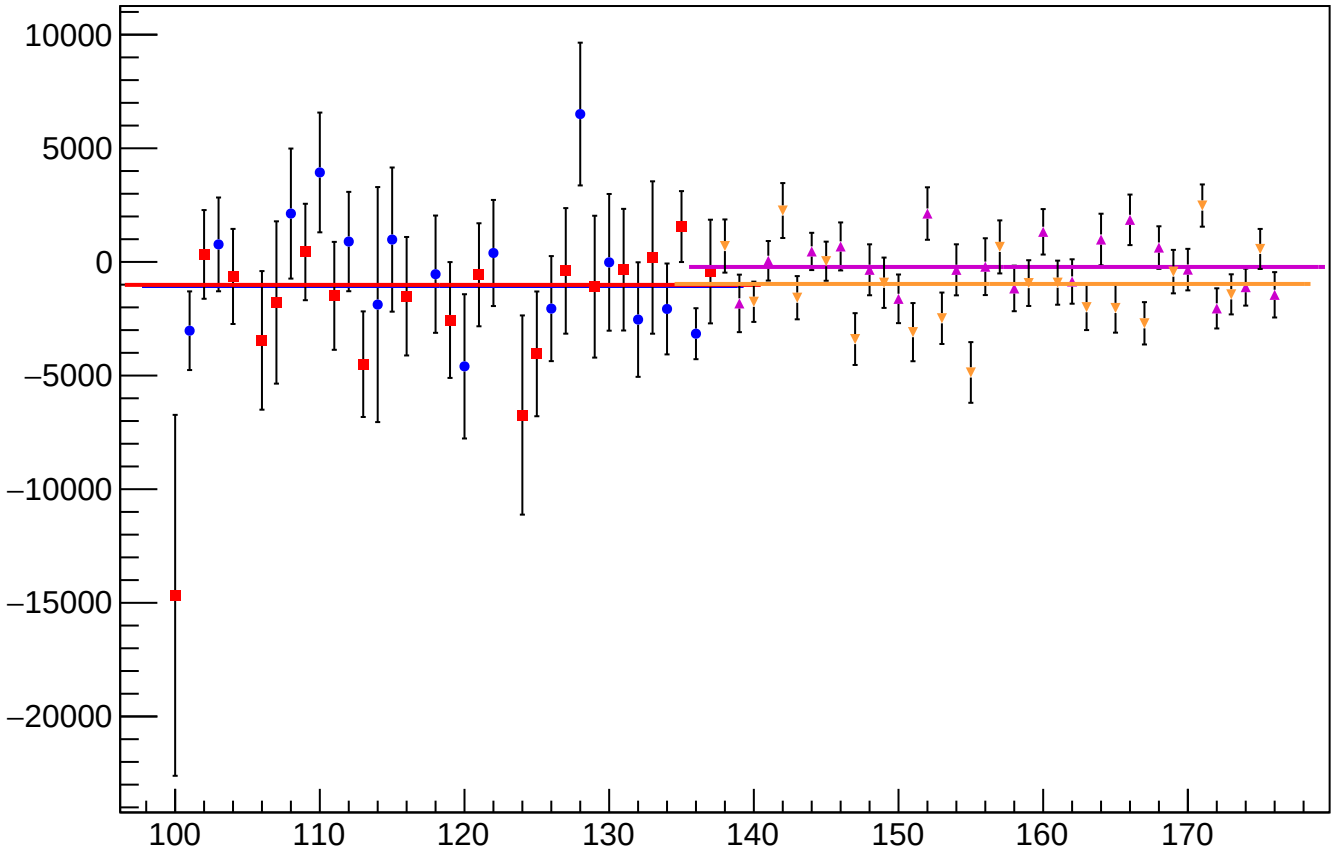
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 88.052+/-0.016 χ^2/NDF:202232.1/18

+ sign 92.484+/-0.014 χ^2/NDF: 953218.2/35

All: 92.436+/-0.010 χ^2/NDF: 1798416.0/73

- sign 92.387+/-0.014 χ^2/NDF: 845173.0/37



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -968.535+/-227.763 χ^2/NDF:54.1/19

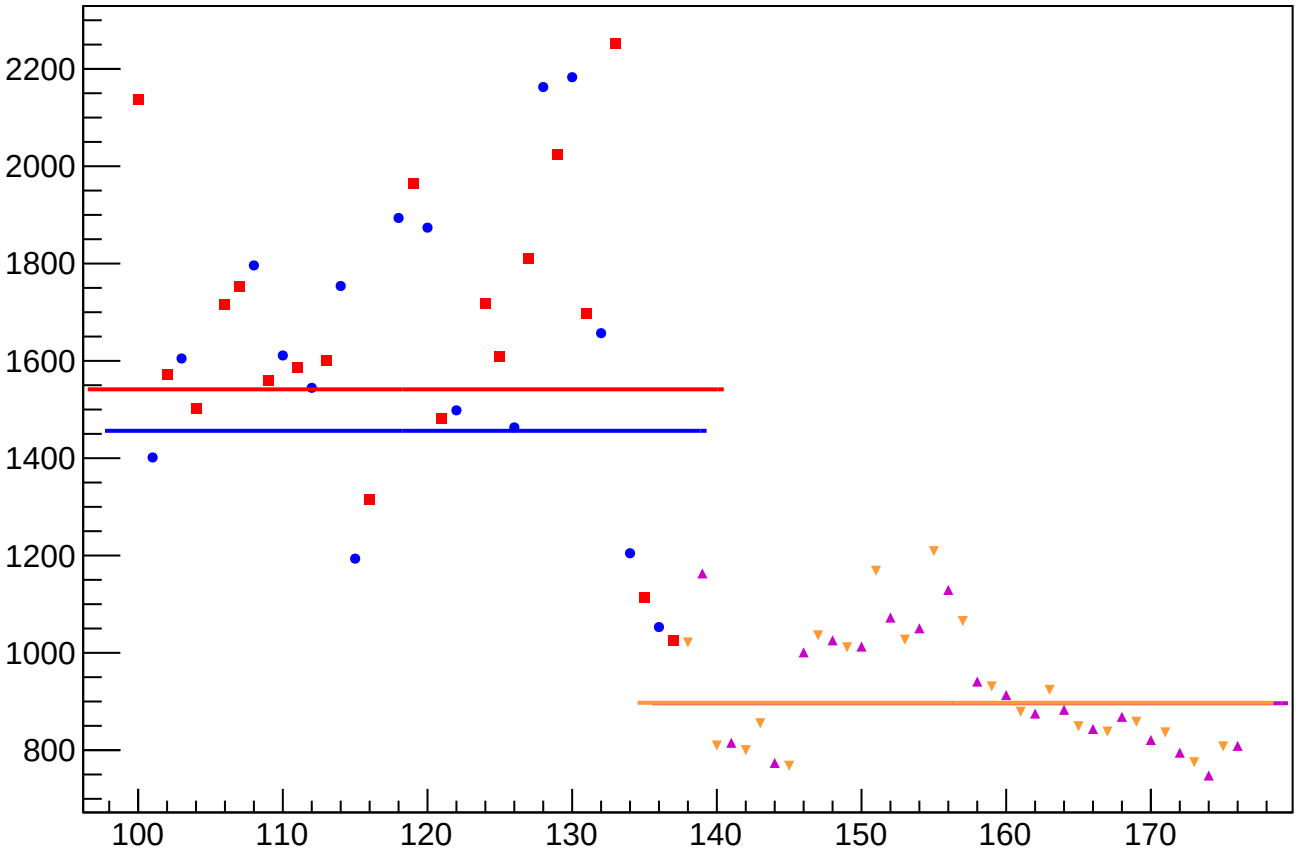
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -220.888+/-229.743 χ^2/NDF:25.1/18

+ sign -981.520+/-210.854 χ^2/NDF: 74.1/35

All: -659.333+/-149.970 χ^2/NDF: 118.9/73

- sign -329.476+/-213.349 χ^2/NDF: 40.1/37



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 897.378+/-0.161 χ^2/NDF:508822.1/19

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

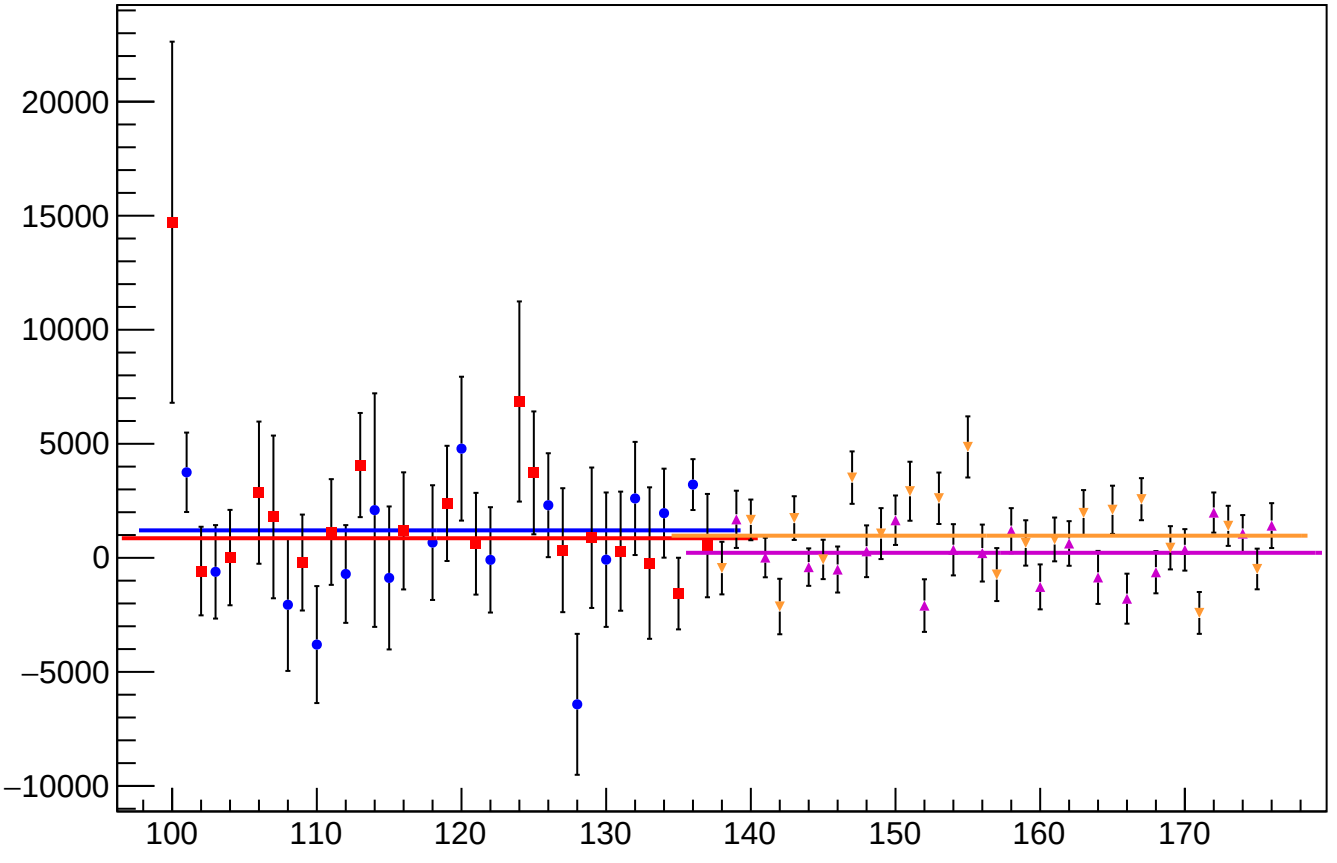
Left In: 896.418+/-0.162 χ^2/NDF:508956.4/18

\+ sign 977.287+/-0.149 χ^2/NDF: 2915556.3/35

All: 981.197+/-0.106 χ^2/NDF: 6115430.0/73

\- sign 985.200+/-0.151 χ^2/NDF: 3198482.2/37

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 971.613+/-227.188 χ^2/NDF:52.8/19

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

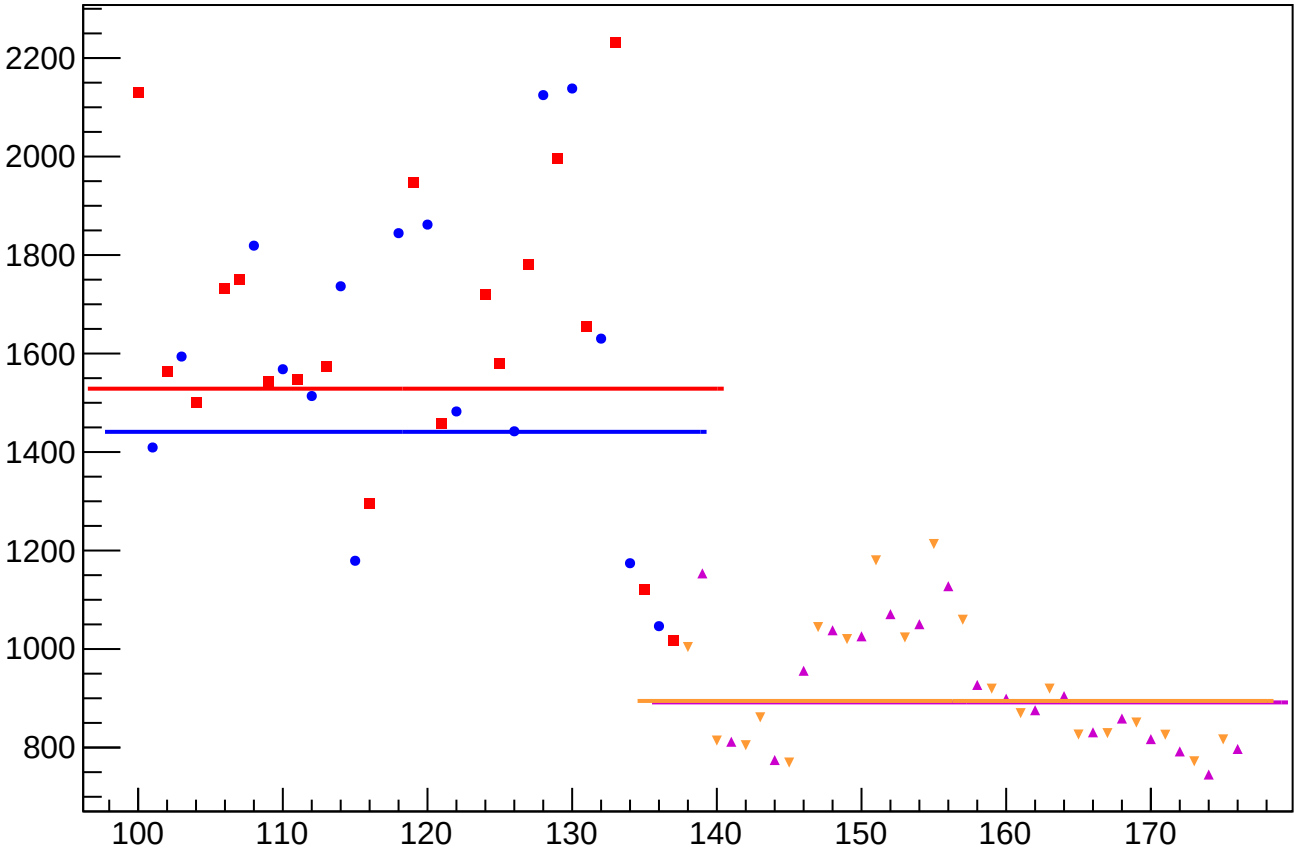
Left In: 220.905+/-228.575 χ^2/NDF:23.4/18

+ sign 1005.404+/-210.075 χ^2/NDF: 74.1/35

All: 660.779+/-149.281 χ^2/NDF: 116.5/73

- sign 309.237+/-212.173 χ^2/NDF: 37.0/37

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 894.608+/-0.161 χ^2/NDF:517879.3/19

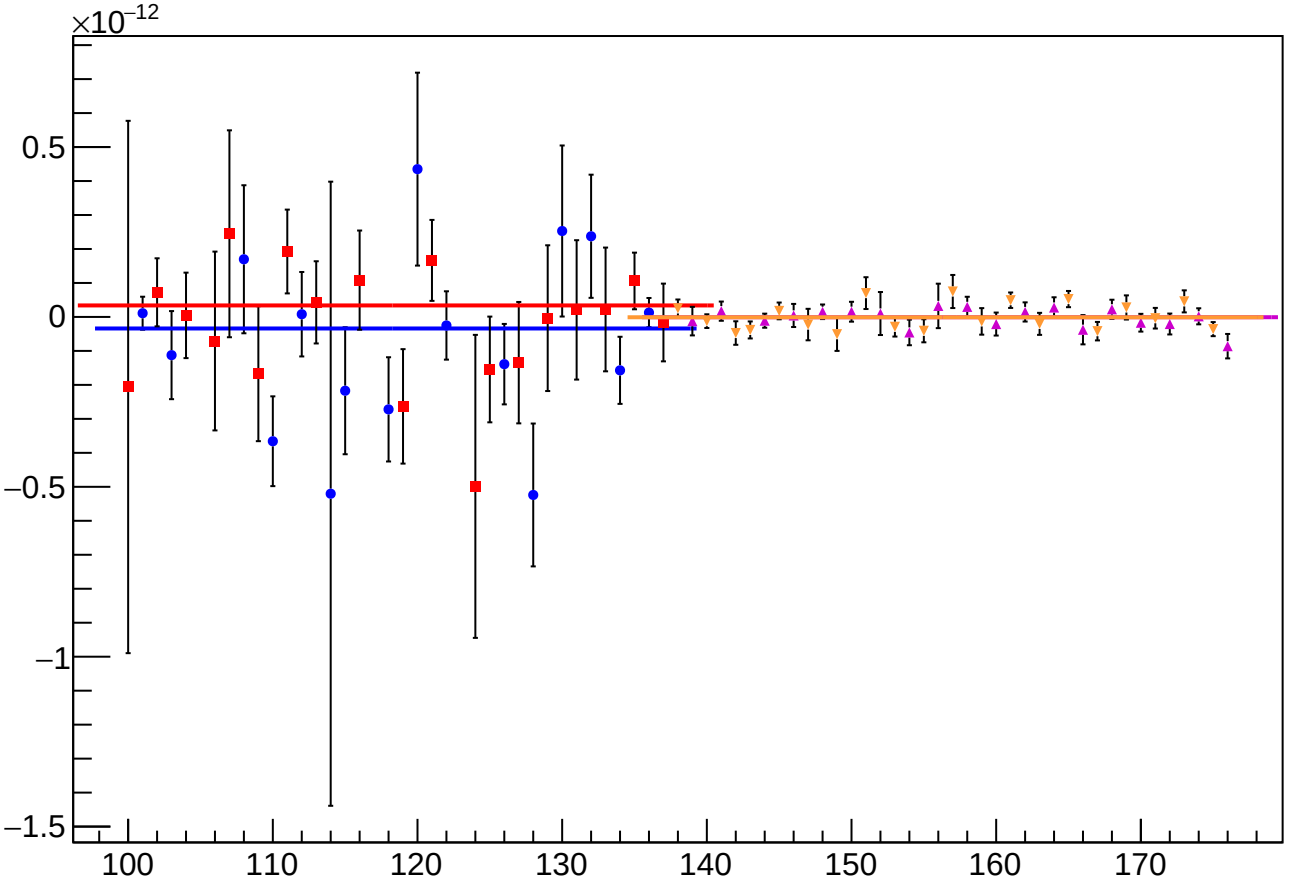
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 891.623+/-0.162 χ^2/NDF:511507.8/18

+ sign 973.825+/-0.149 χ^2/NDF: 2865833.4/35

All: 976.766+/-0.106 χ^2/NDF: 6029289.7/73

- sign 979.766+/-0.150 χ^2/NDF: 3162664.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/19

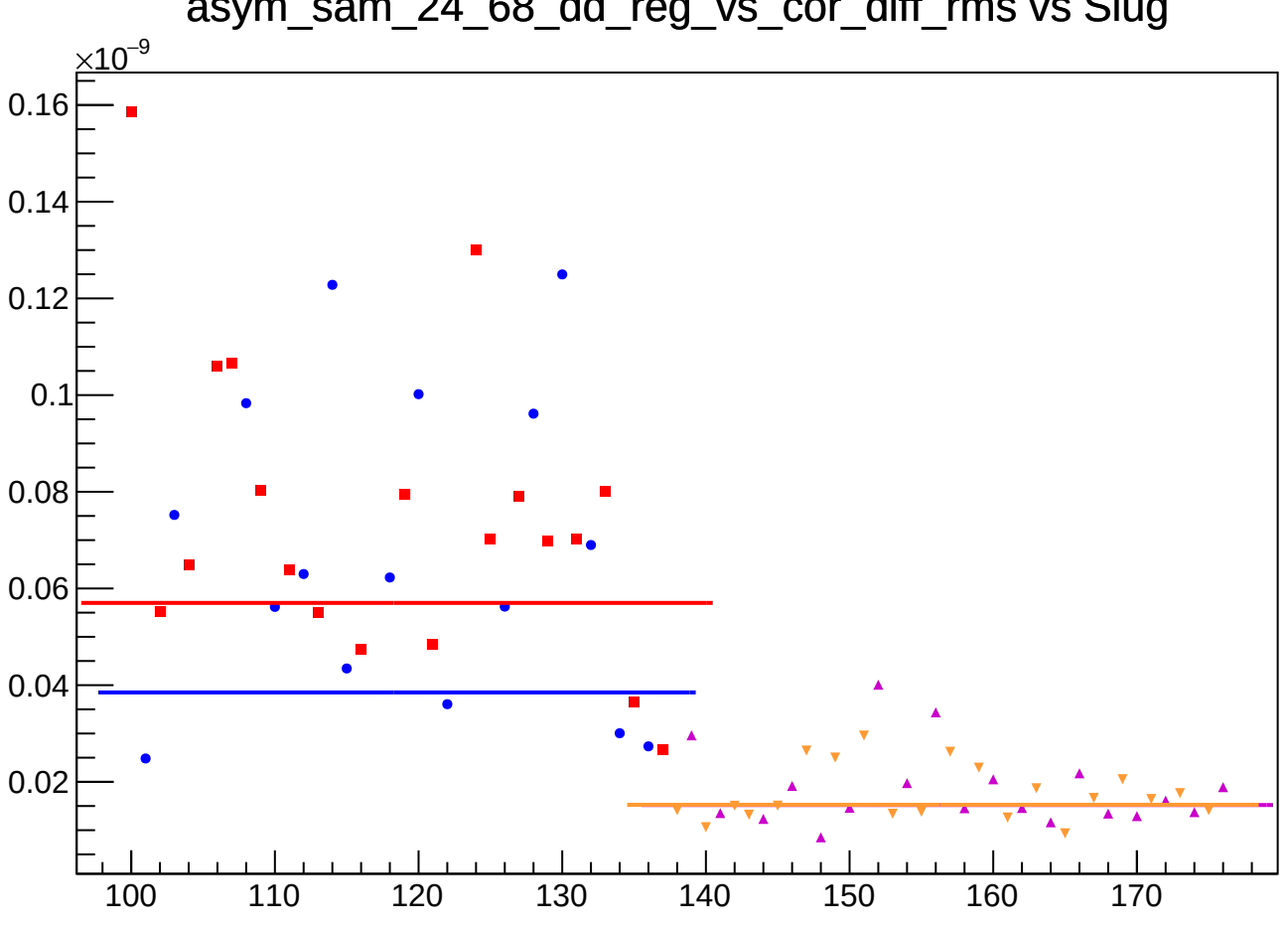
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 61.4/35

All: -0.000+/-0.000 χ^2/NDF: 89.4/73

- sign 0.000+/-0.000 χ^2/NDF: 27.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:938477.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

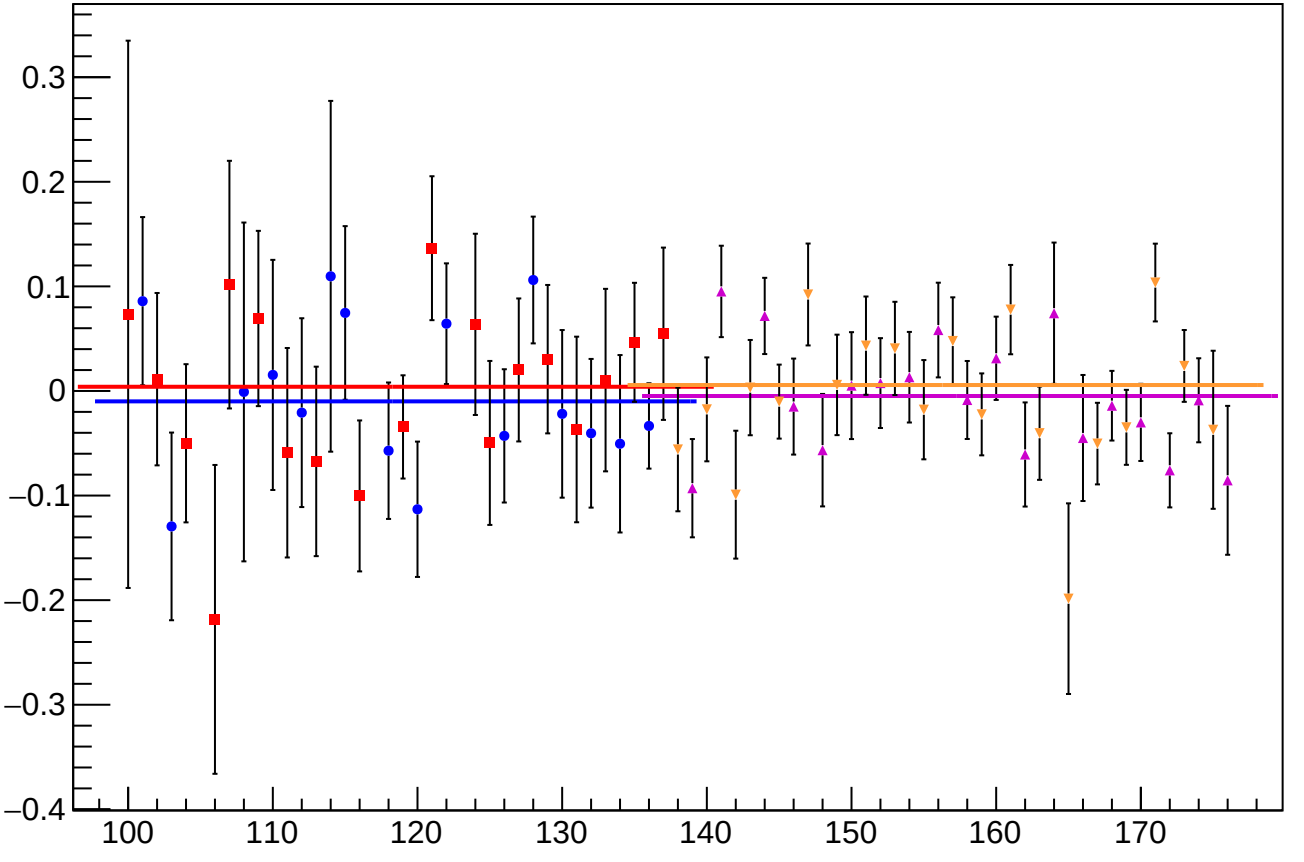
Left In: 0.000+/-0.000 χ^2/NDF:1191893.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 3933175.6/35

All: 0.000+/-0.000 χ^2/NDF: 8723634.5/73

- sign 0.000+/-0.000 χ^2/NDF: 4789772.4/37

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

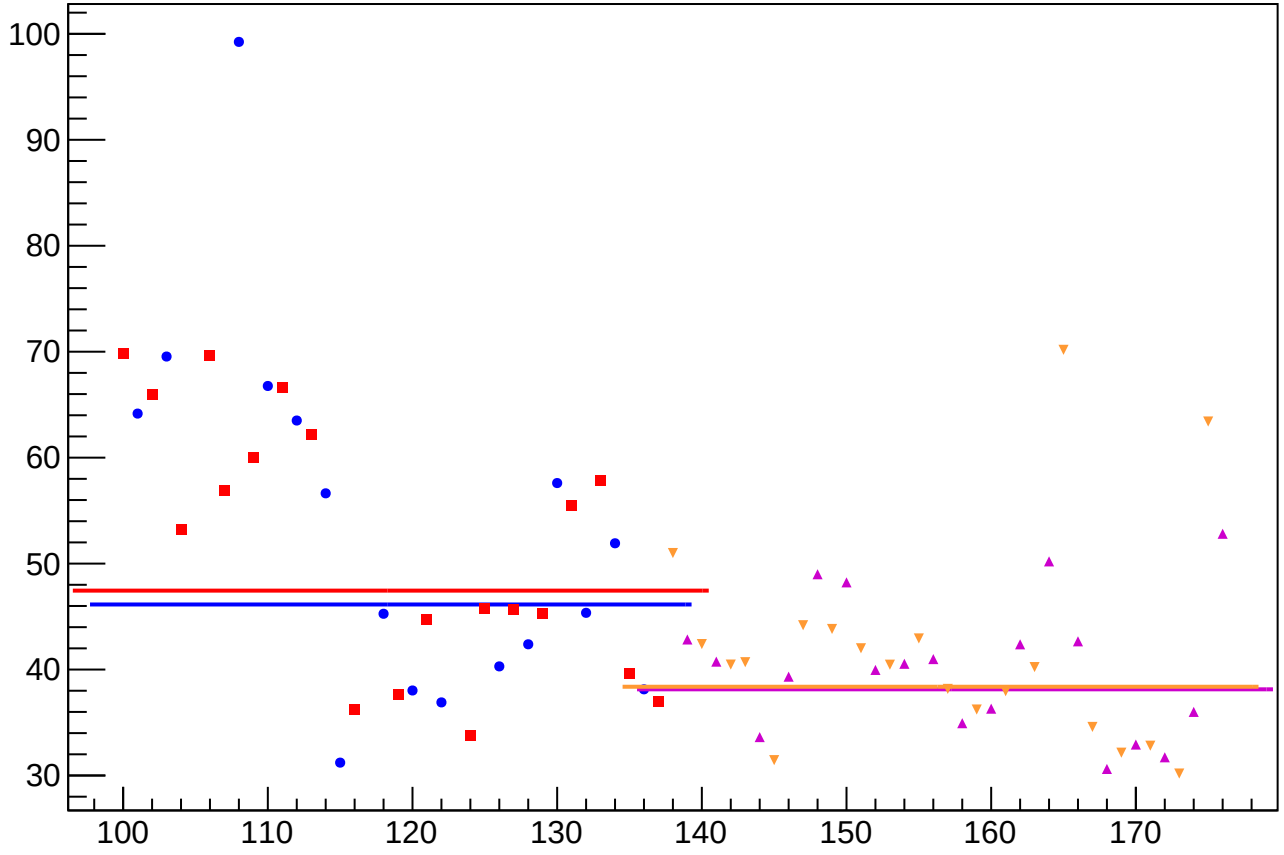
Left In: -0.005+/-0.010 χ^2/NDF:26.1/18

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/35

All: -0.000+/-0.006 χ^2/NDF: 85.6/73

- sign -0.003+/-0.009 χ^2/NDF: 40.2/37

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: 38.377+/-0.007 χ^2/NDF:987933.3/19

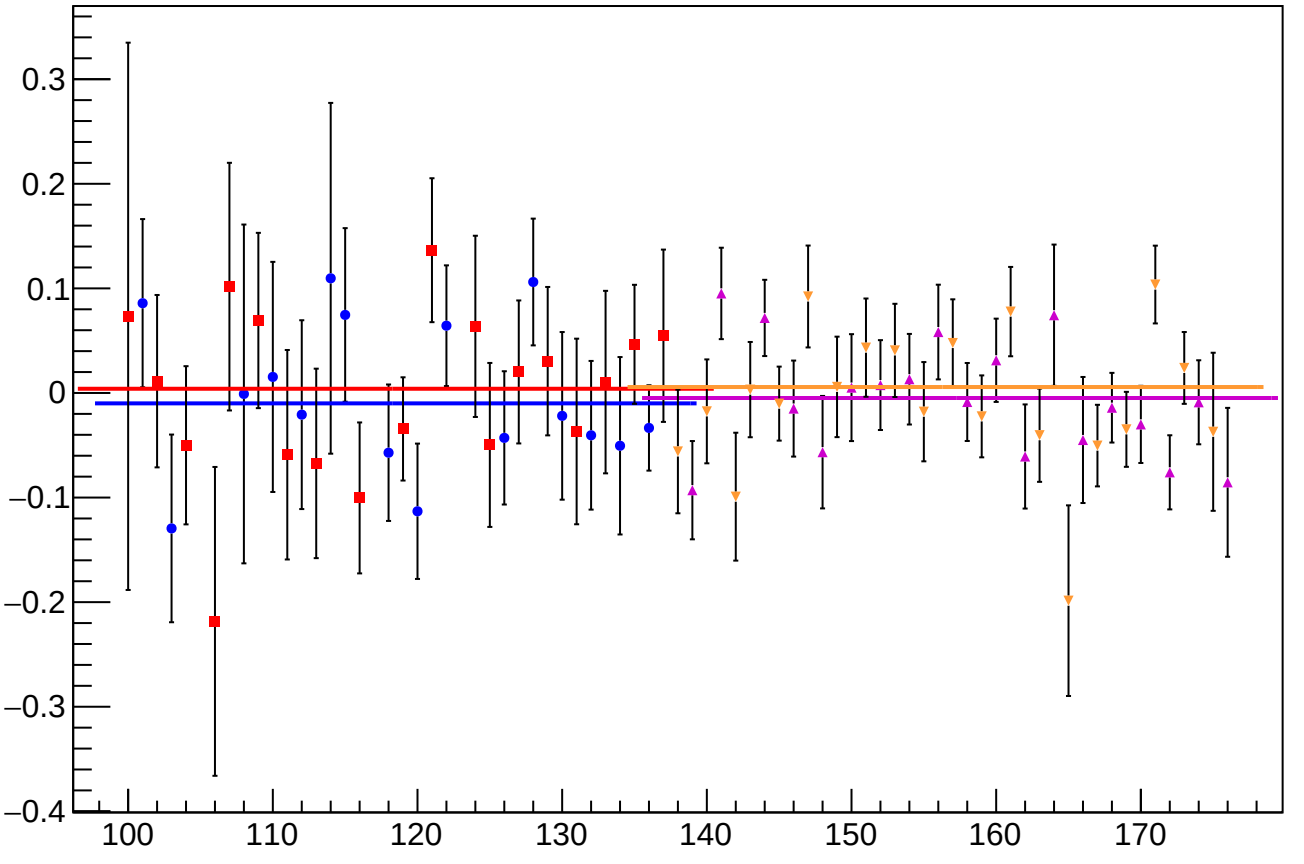
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.133+/-0.007 χ^2/NDF:643259.4/18

+ sign 40.199+/-0.006 χ^2/NDF: 2176239.4/35

All: 40.257+/-0.004 χ^2/NDF: 3880495.0/73

- sign 40.315+/-0.006 χ^2/NDF: 1704080.9/37



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

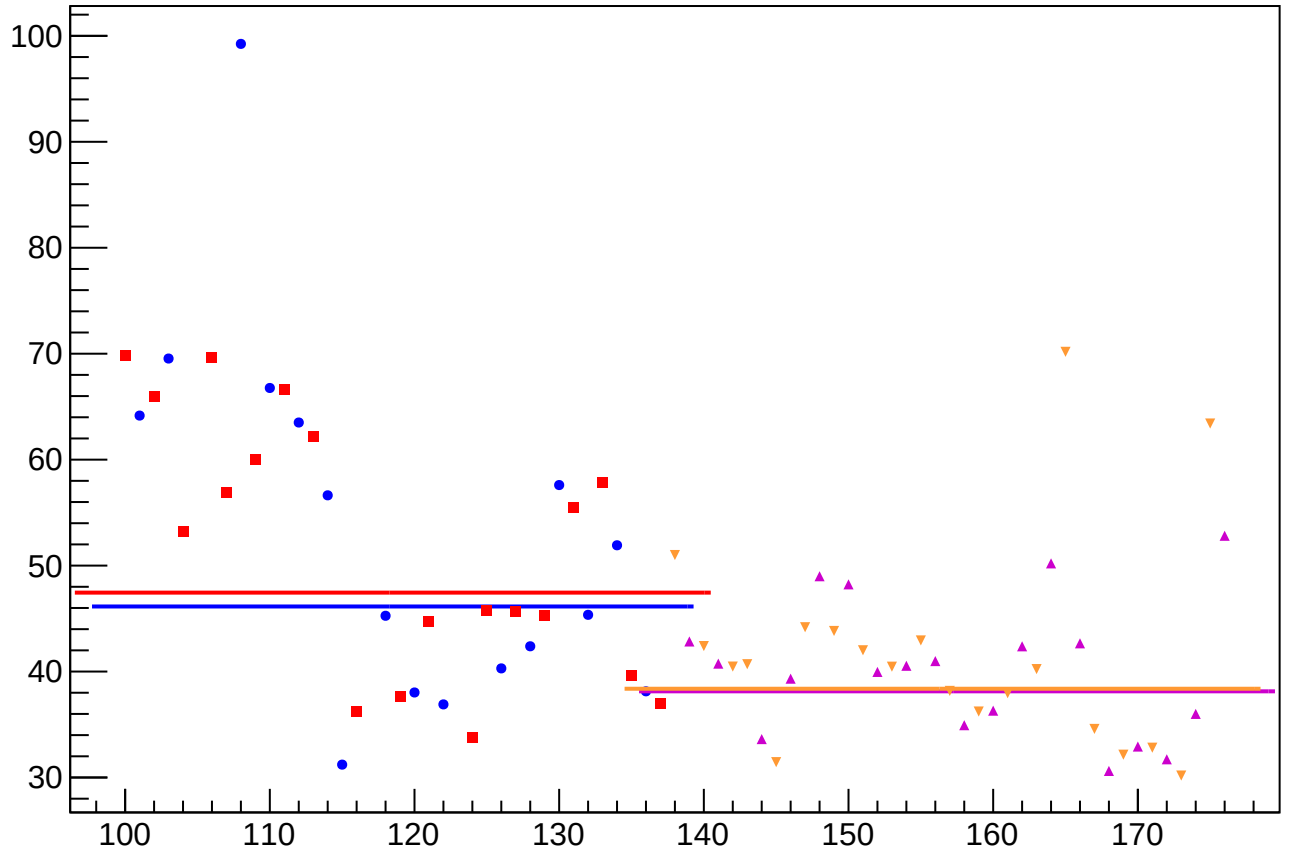
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.010 χ^2/NDF:26.1/18

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/35

All: -0.000+/-0.006 χ^2/NDF: 85.6/73

- sign -0.003+/-0.009 χ^2/NDF: 40.2/37



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.377+/-0.007 χ^2/NDF:987933.3/19

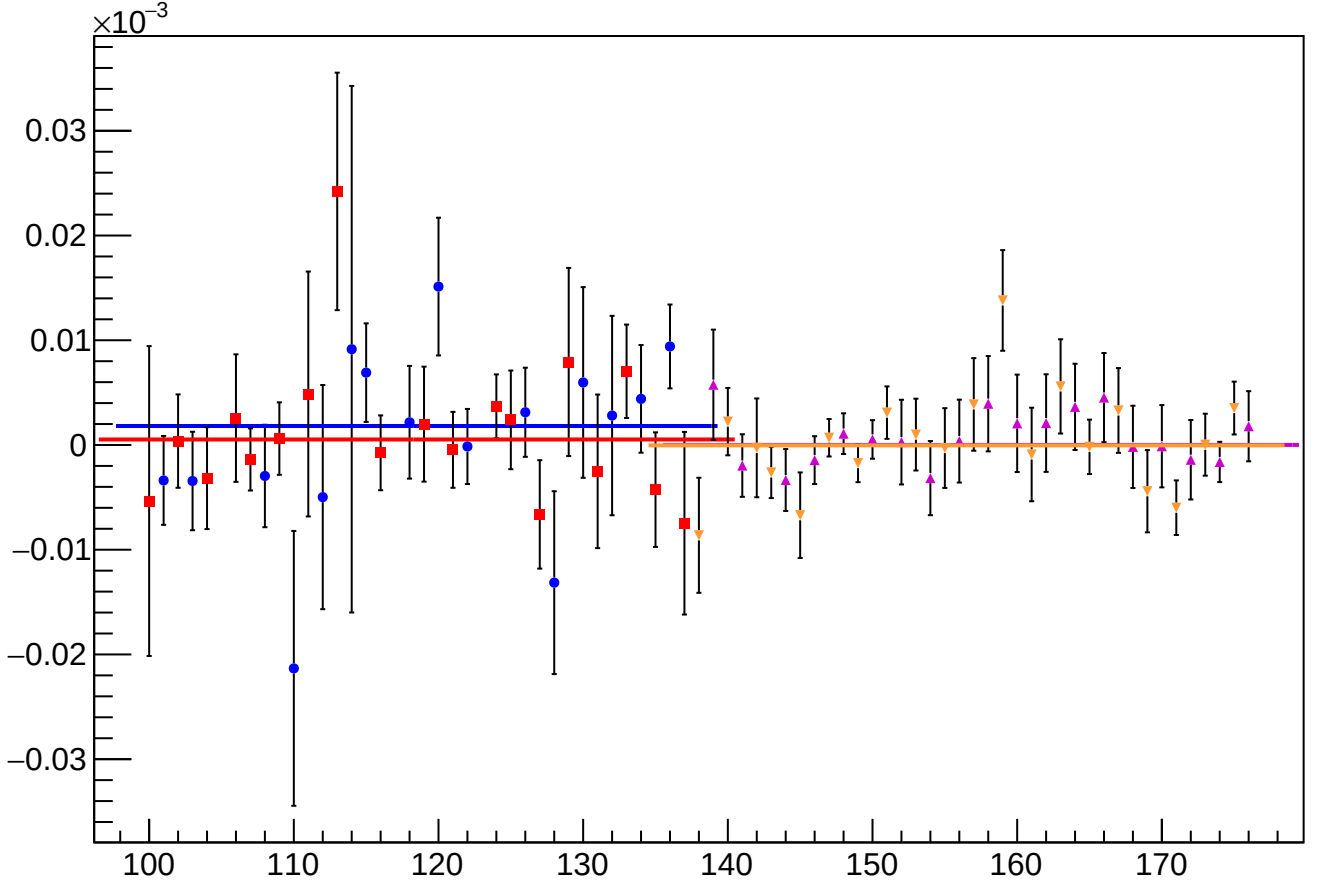
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.133+/-0.007 χ^2/NDF:643259.4/18

+ sign 40.199+/-0.006 χ^2/NDF: 2176239.4/35

All: 40.257+/-0.004 χ^2/NDF: 3880495.0/73

- sign 40.315+/-0.006 χ^2/NDF: 1704080.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.2/19

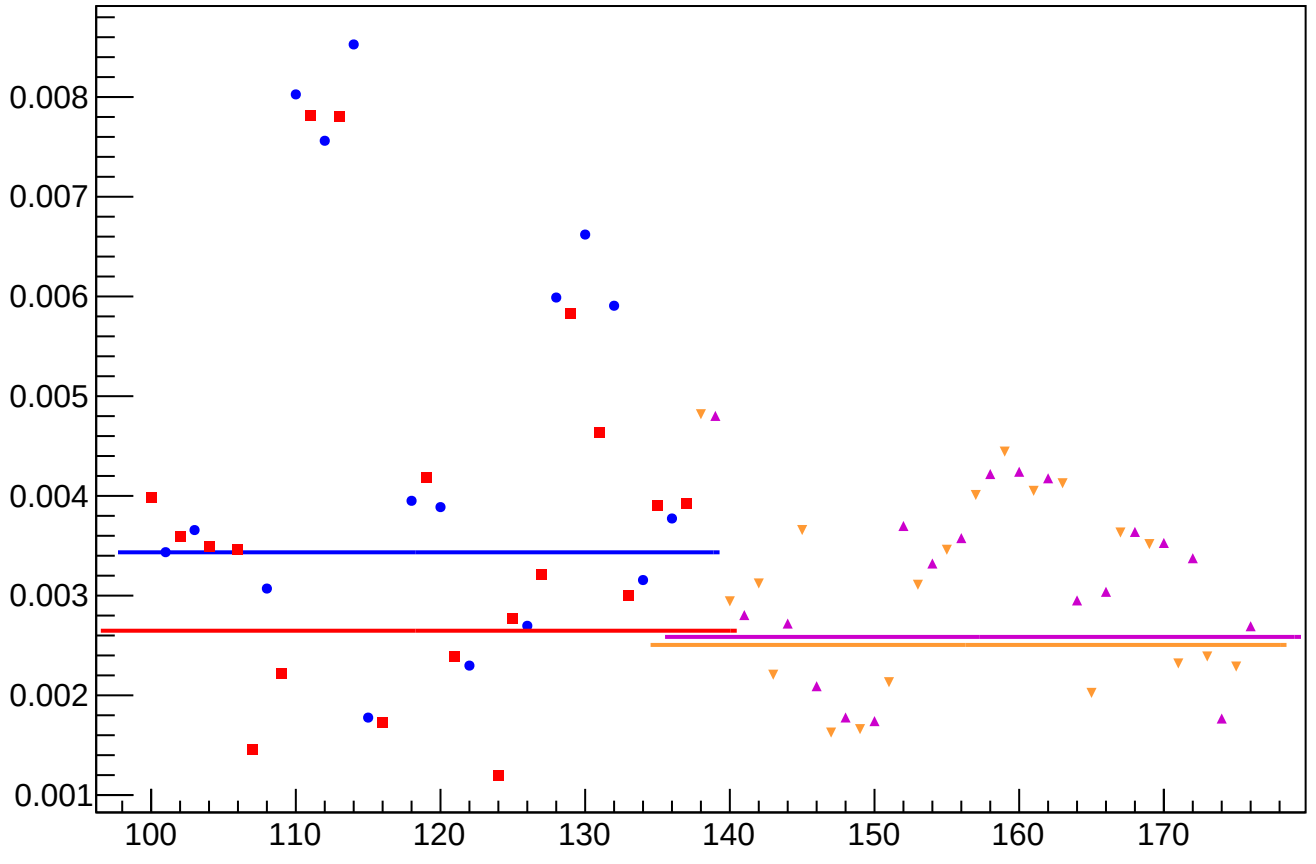
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 50.7/35

All: 0.000+/-0.000 χ^2/NDF: 73.4/73

- sign 0.000+/-0.000 χ^2/NDF: 22.7/37



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3201024.9/19

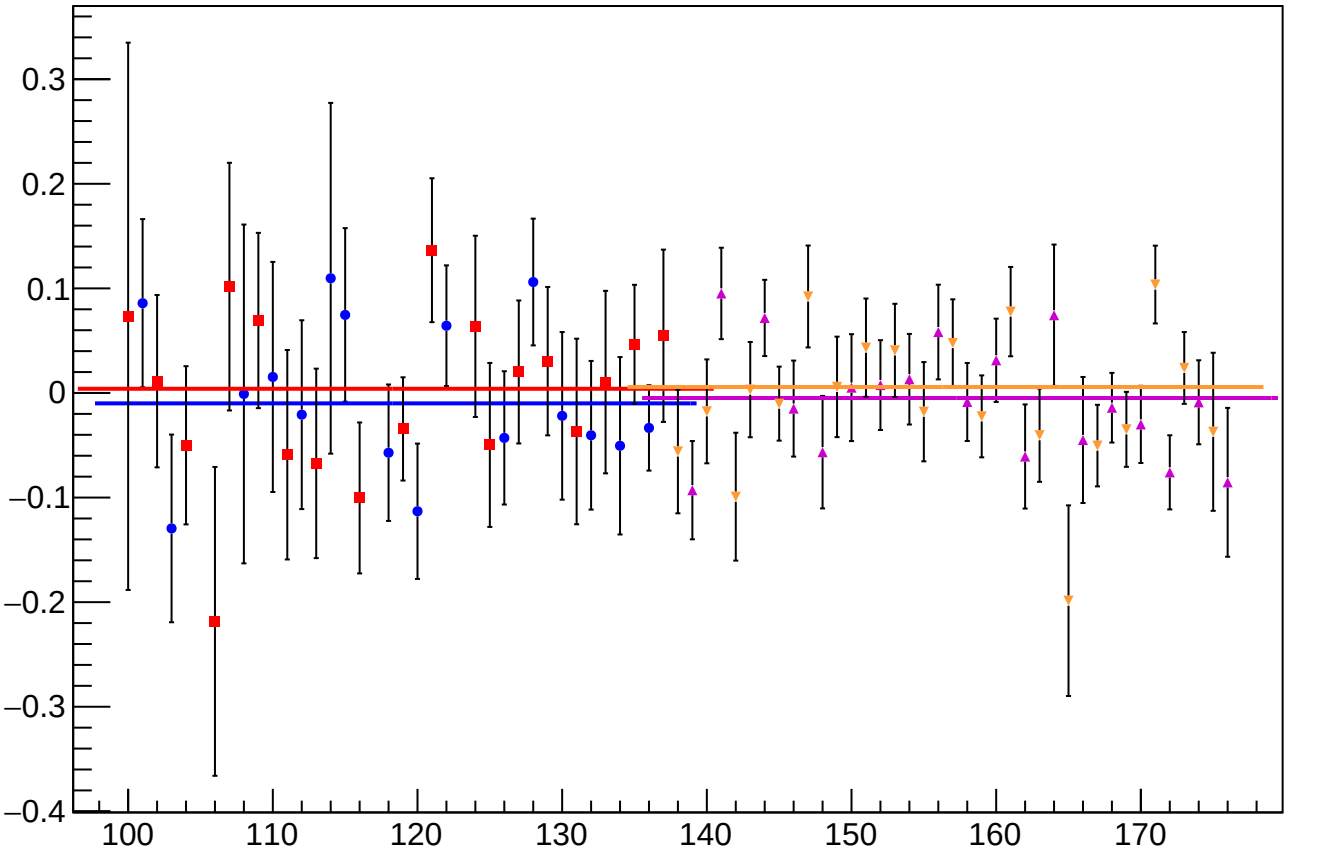
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3085683.5/18

+ sign 0.003+/-0.000 χ^2/NDF: 5688695.2/35

All: 0.003+/-0.000 χ^2/NDF: 11494209.7/73

- sign 0.003+/-0.000 χ^2/NDF: 5787140.6/37



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

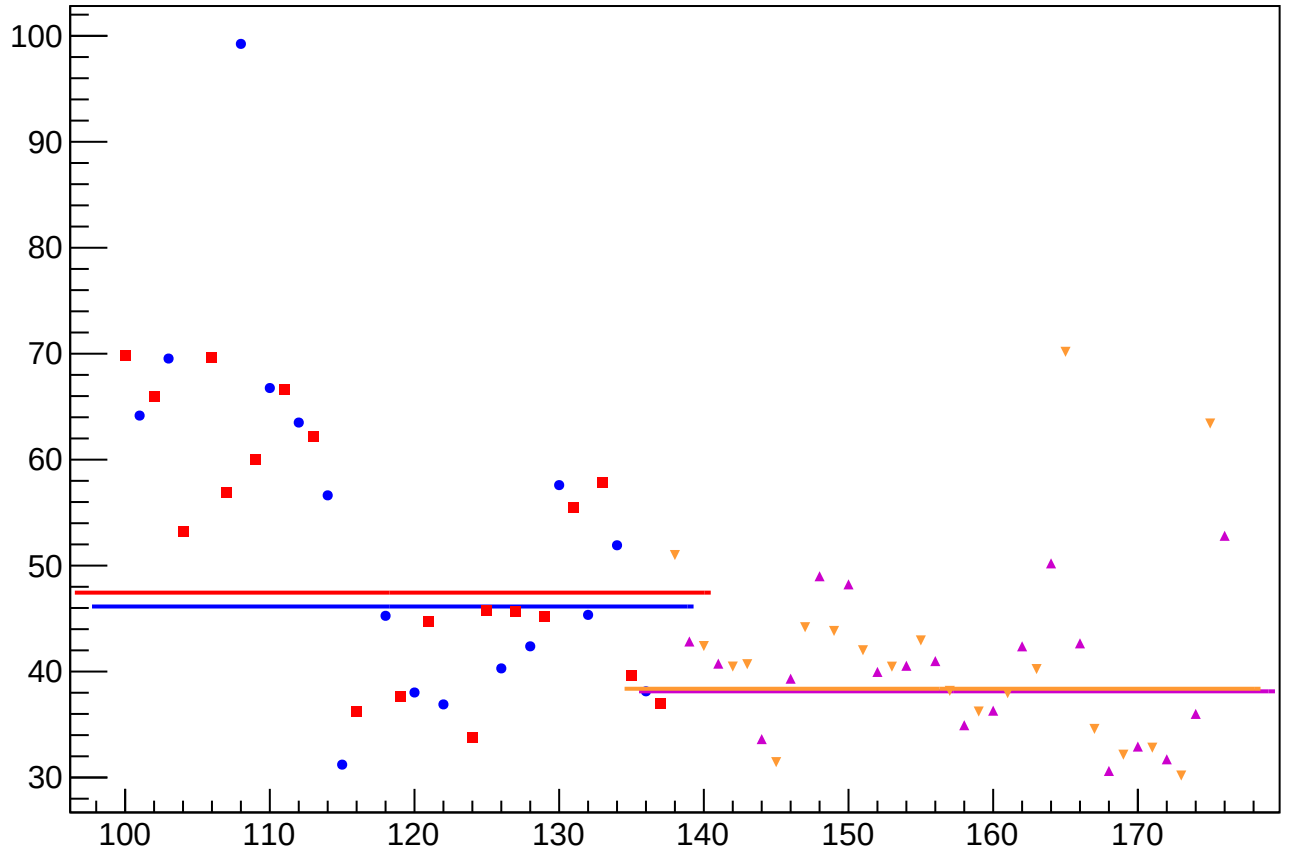
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.010 χ^2/NDF:26.1/18

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/35

All: -0.000+/-0.006 χ^2/NDF: 85.6/73

- sign -0.003+/-0.009 χ^2/NDF: 40.2/37



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.377+/-0.007 χ^2/NDF:987956.5/19

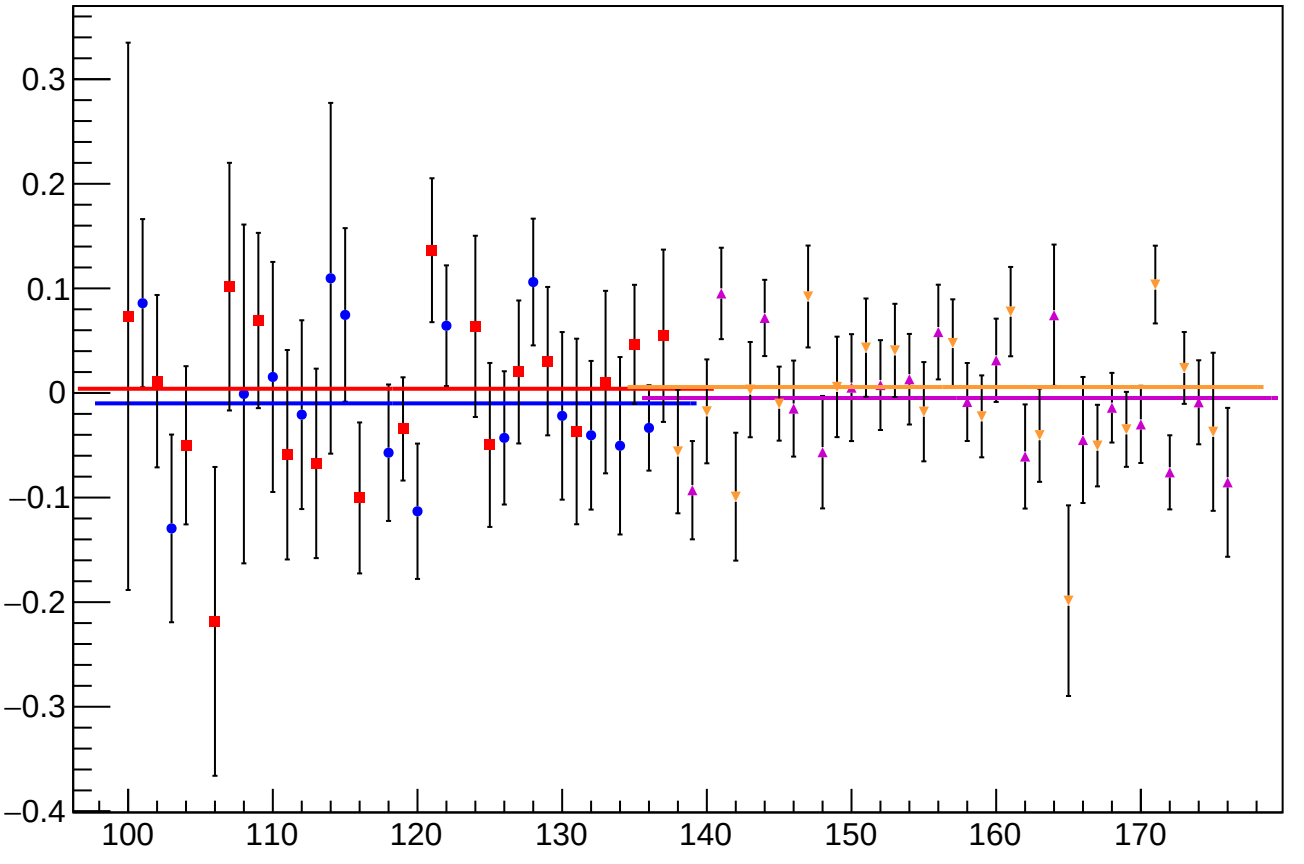
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.133+/-0.007 χ^2/NDF:643304.6/18

+ sign 40.199+/-0.006 χ^2/NDF: 2176124.5/35

All: 40.256+/-0.004 χ^2/NDF: 3880345.9/73

- sign 40.314+/-0.006 χ^2/NDF: 1704047.2/37



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

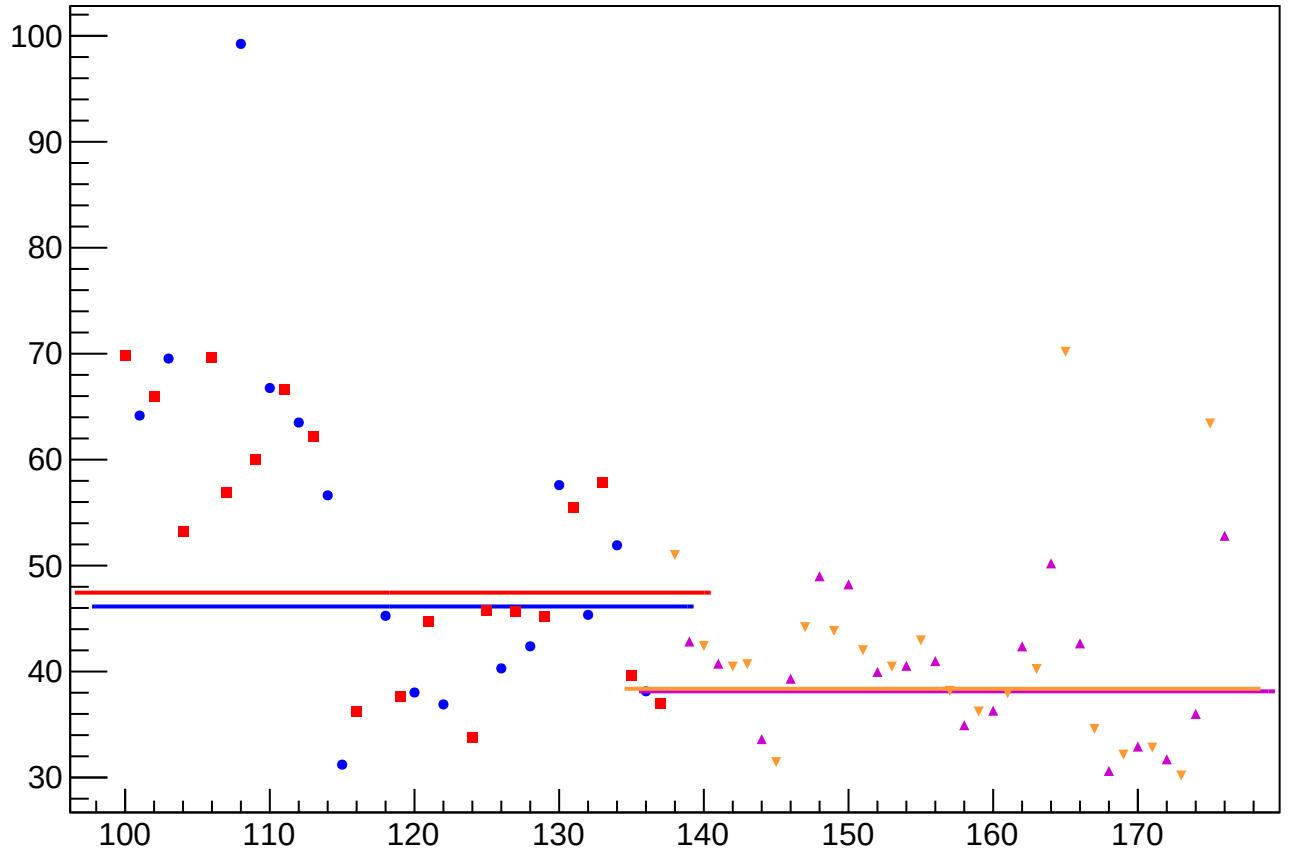
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.010 χ^2/NDF:26.1/18

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/35

All: -0.000+/-0.006 χ^2/NDF: 85.6/73

- sign -0.003+/-0.009 χ^2/NDF: 40.2/37



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.377+/-0.007 χ^2/NDF:987956.5/19

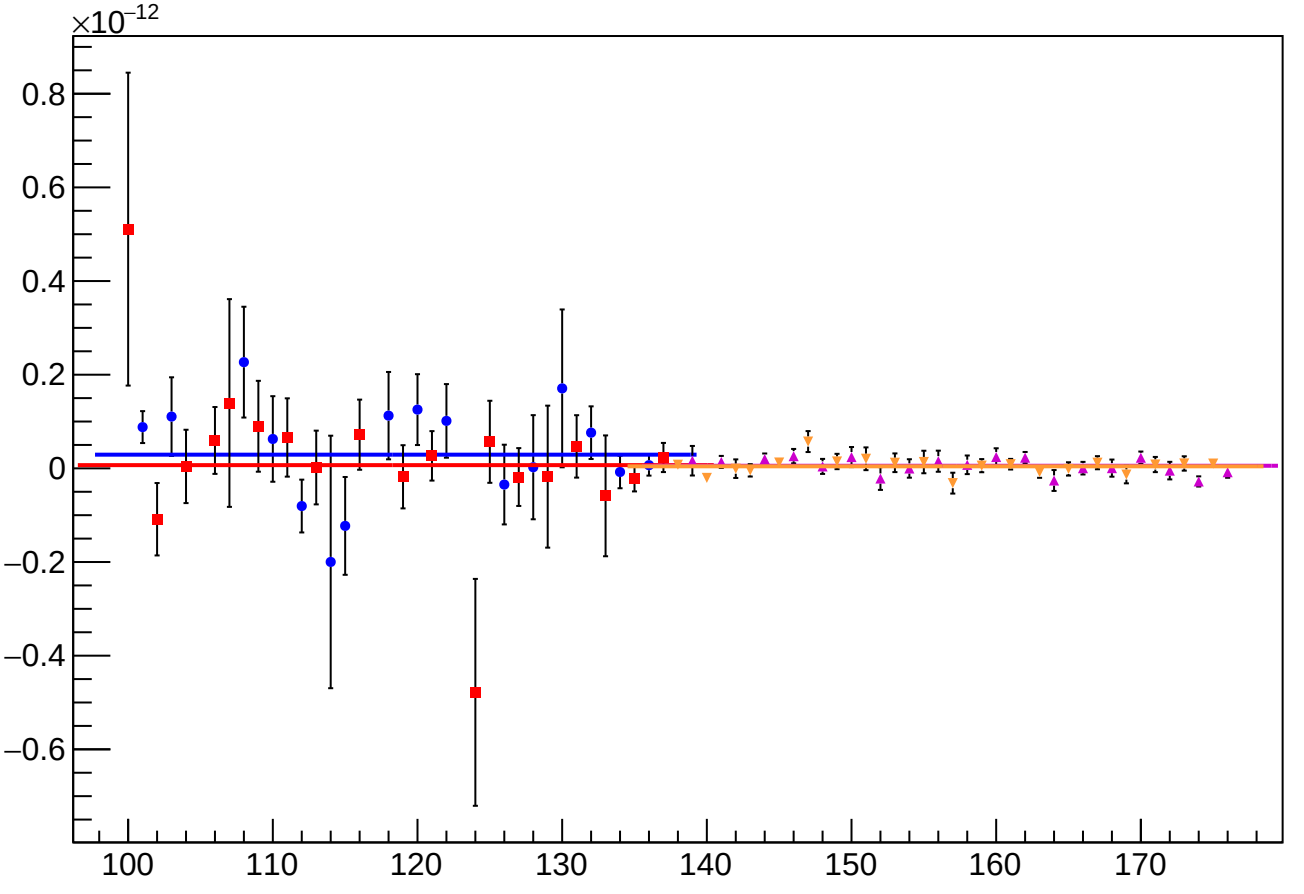
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.133+/-0.007 χ^2/NDF:643304.6/18

+ sign 40.199+/-0.006 χ^2/NDF: 2176124.5/35

All: 40.256+/-0.004 χ^2/NDF: 3880345.9/73

- sign 40.314+/-0.006 χ^2/NDF: 1704047.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/19

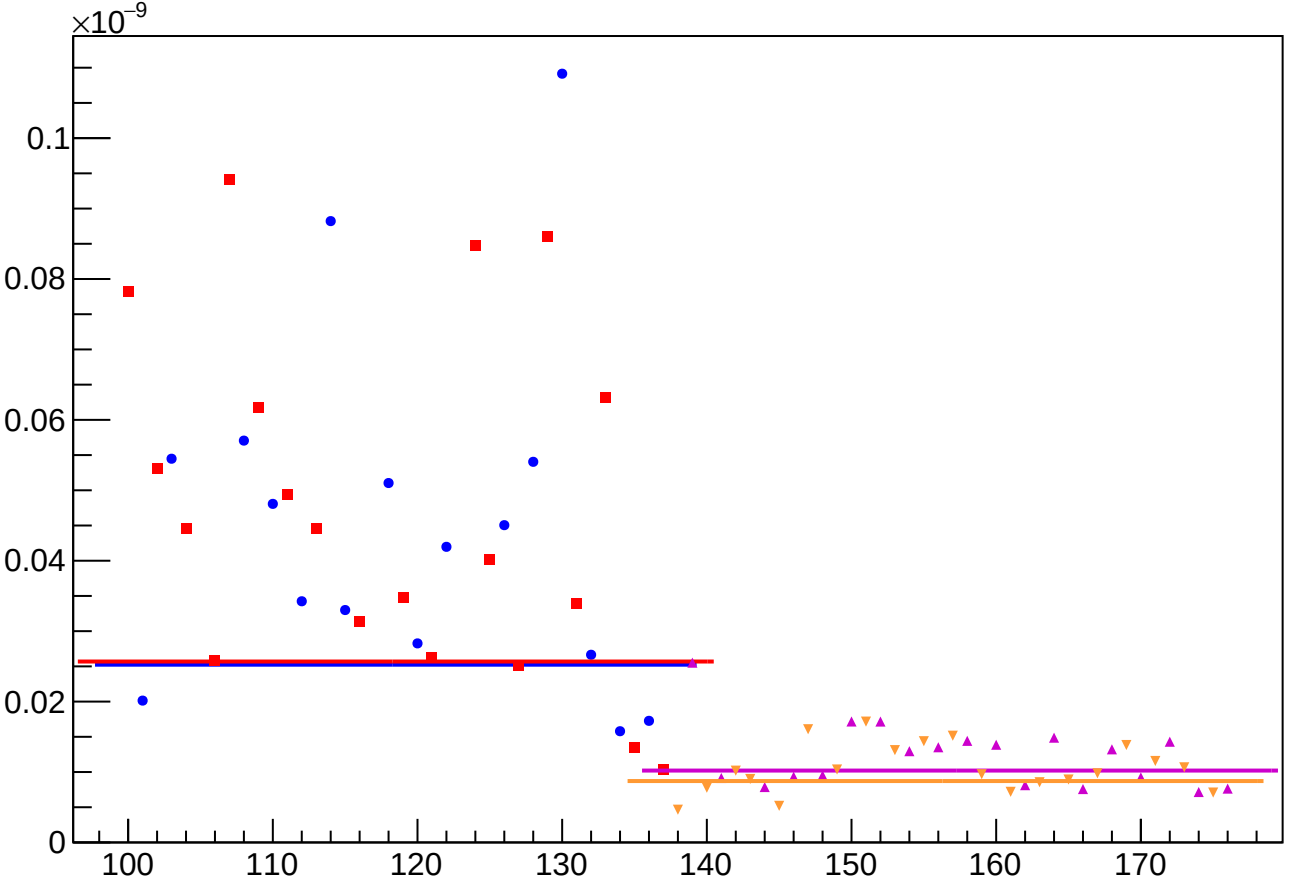
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 43.3/35

All: 0.000+/-0.000 χ^2/NDF: 81.7/73

- sign 0.000+/-0.000 χ^2/NDF: 38.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1855181.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

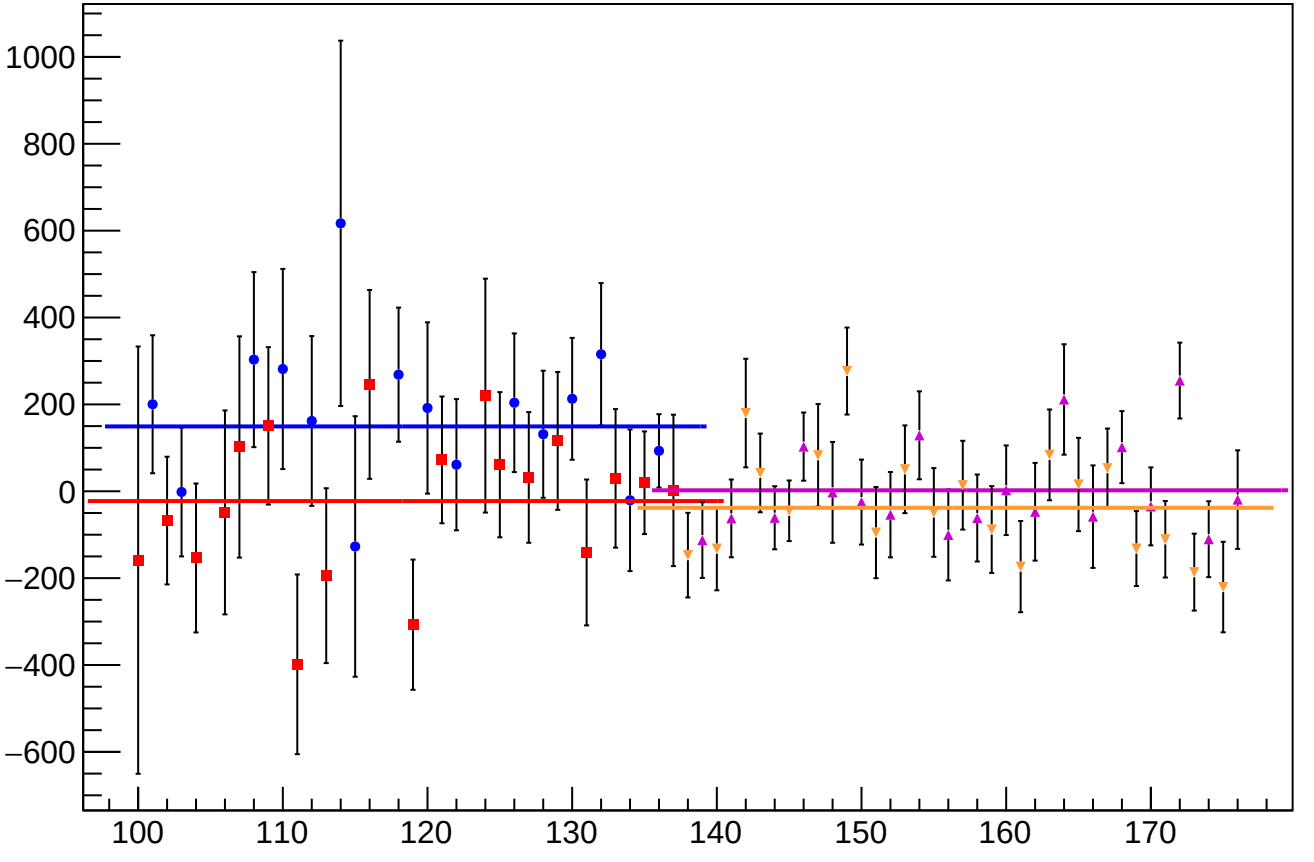
Left In: 0.000+/-0.000 χ^2/NDF:1829401.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 6811116.0/35

All: 0.000+/-0.000 χ^2/NDF: 13855621.4/73

- sign 0.000+/-0.000 χ^2/NDF: 6813302.0/37

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -38.085+/-21.668 χ^2/NDF:30.6/19

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

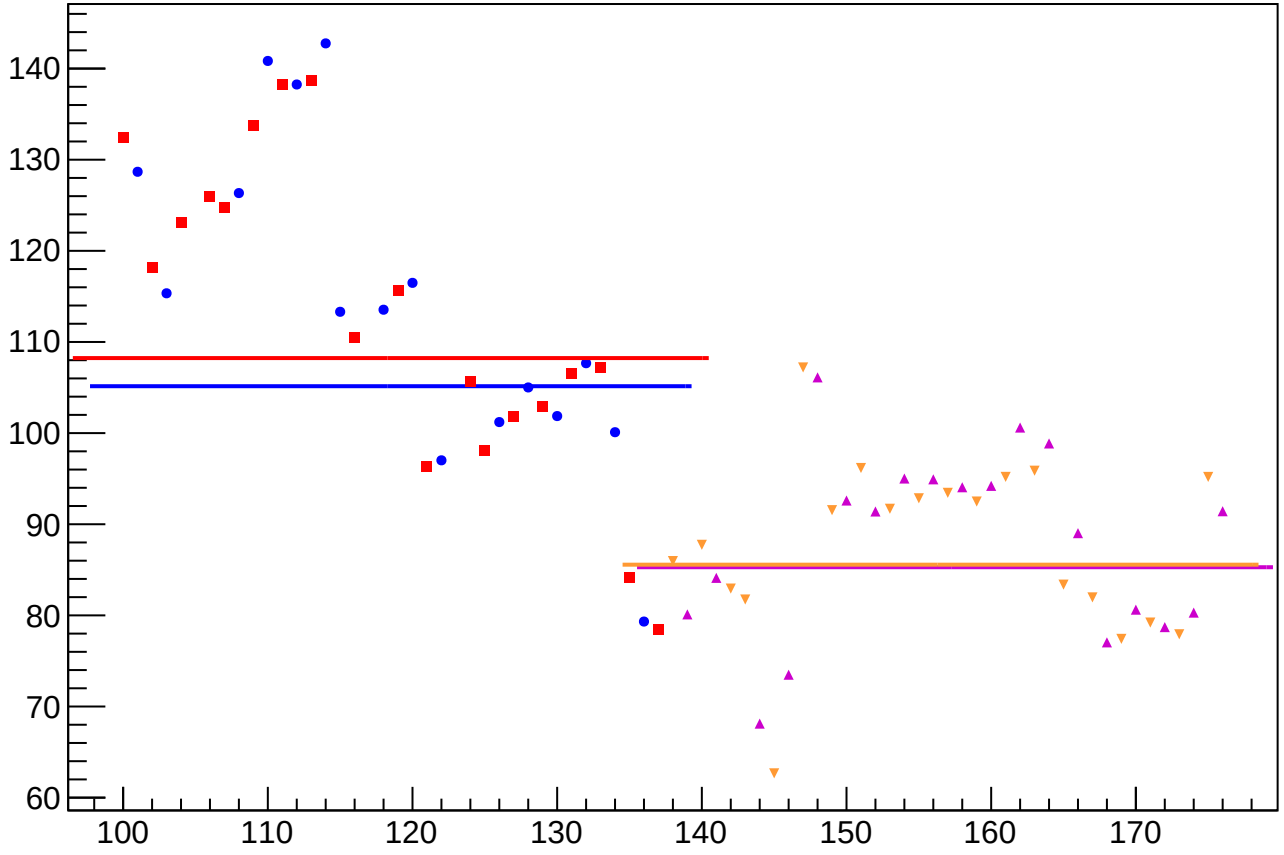
Left In: 2.257+/-21.847 χ^2/NDF:22.8/18

+ sign 4.946+/-19.018 χ^2/NDF: 55.8/35

All: 0.799+/-13.506 χ^2/NDF: 93.2/73

- sign -3.420+/-19.185 χ^2/NDF: 37.3/37

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.563+/-0.015 χ^2/NDF:455352.9/19

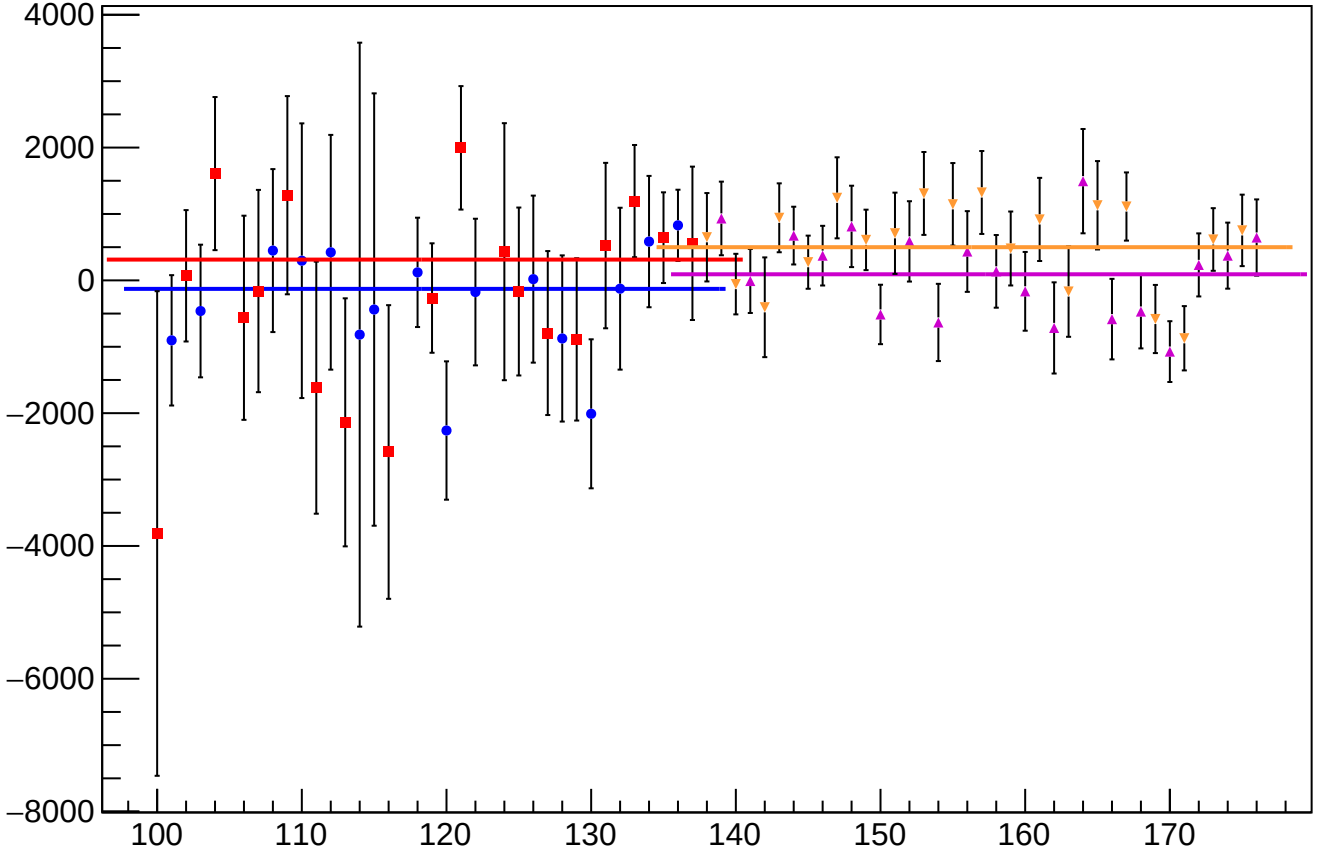
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.283+/-0.015 χ^2/NDF:424213.2/18

+ sign 90.060+/-0.013 χ^2/NDF: 1238912.8/35

All: 90.296+/-0.010 χ^2/NDF: 2518822.6/73

- sign 90.536+/-0.014 χ^2/NDF: 1279289.0/37



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 499.715+/-122.466 χ^2/NDF:26.7/19

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

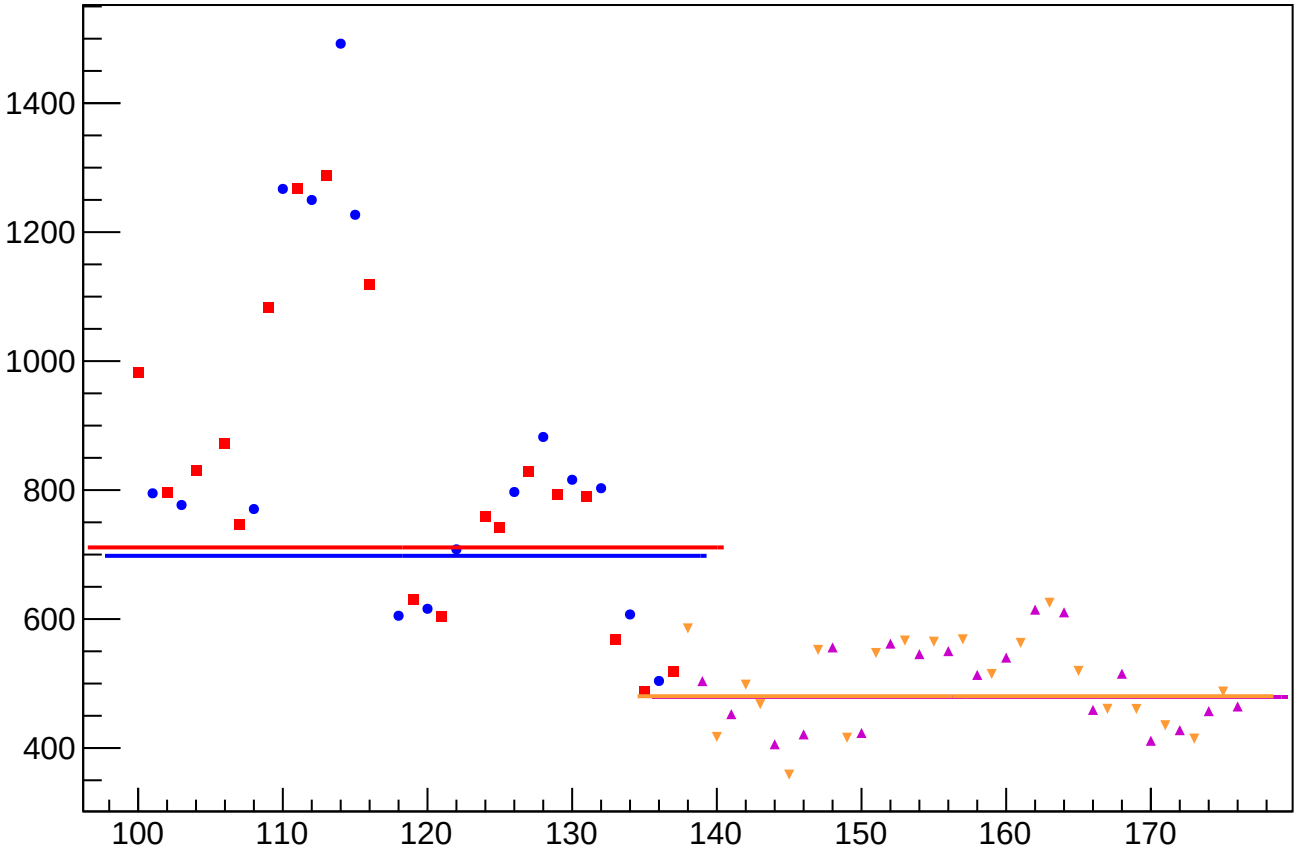
Left In: 91.793+/-123.073 χ^2/NDF:25.1/18

+ sign 391.679+/-111.431 χ^2/NDF: 43.5/35

All: 261.413+/-78.993 χ^2/NDF: 86.9/73

- sign 129.823+/-111.996 χ^2/NDF: 40.7/37

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 480.301+/-0.087 χ^2/NDF:683941.9/19

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

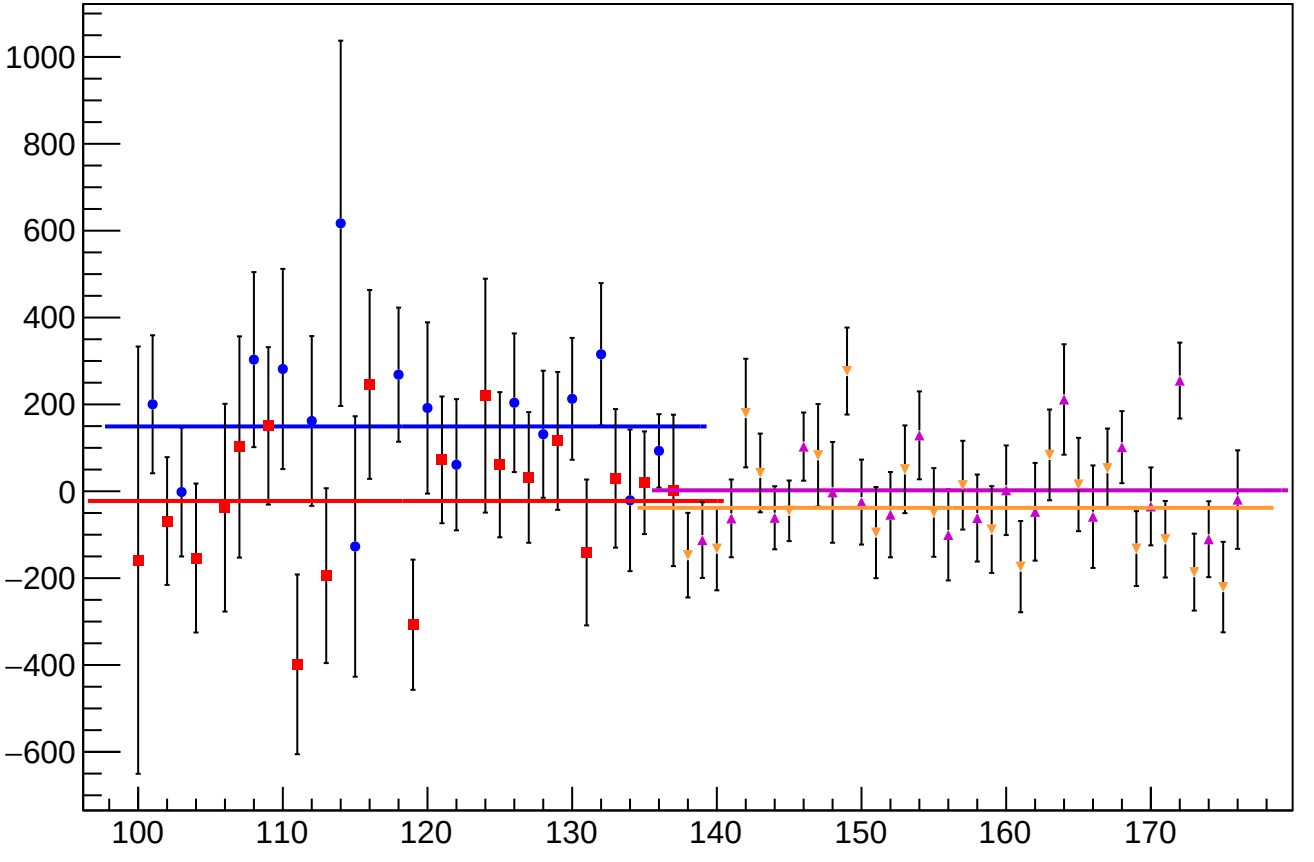
Left In: 479.141+/-0.087 χ^2/NDF:499618.4/18

\+ sign 517.775+/-0.079 χ^2/NDF: 2684957.6/35

All: 518.390+/-0.056 χ^2/NDF: 5440897.3/73

\- sign 519.011+/-0.079 χ^2/NDF: 2755817.2/37

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -38.087+/-21.668 χ^2/NDF:30.6/19

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

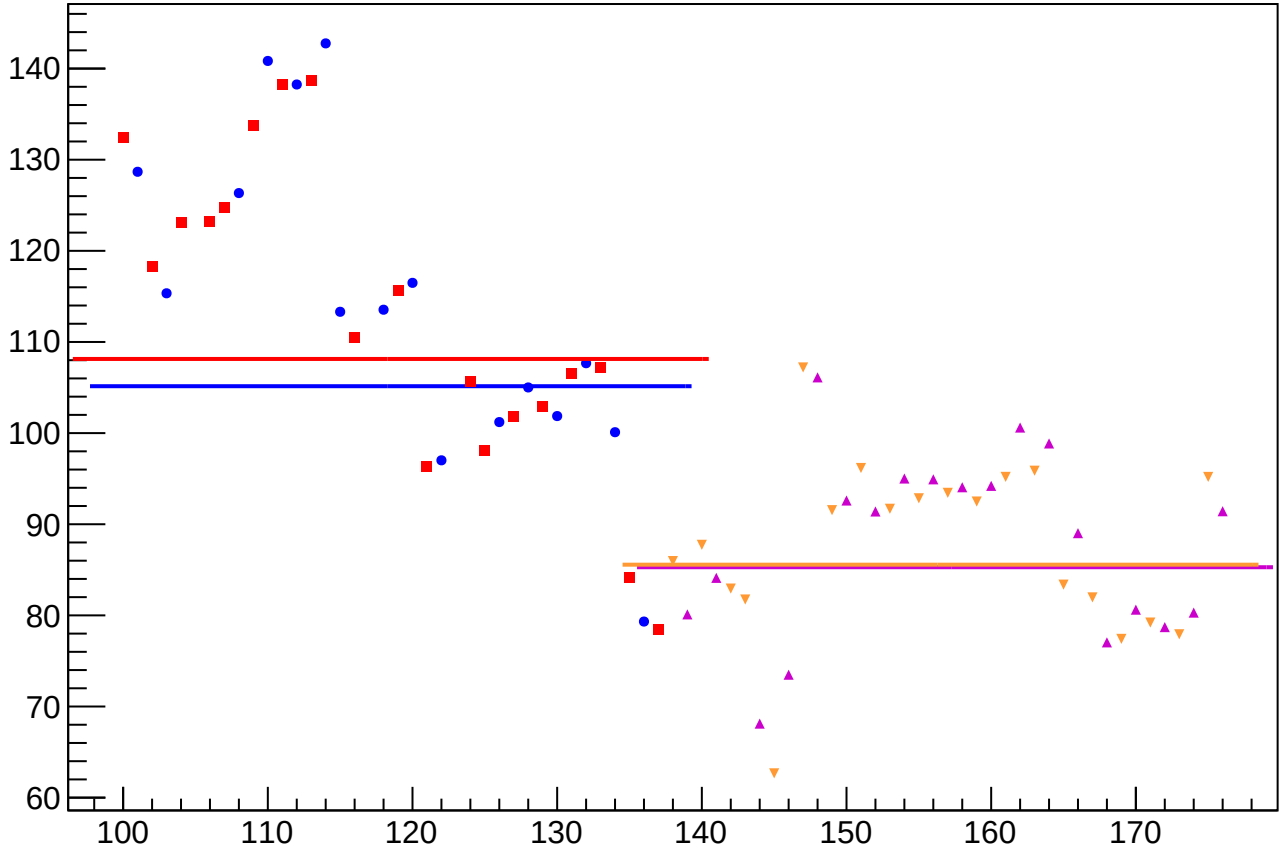
Left In: 2.257+/-21.847 χ^2/NDF:22.8/18

+ sign 4.942+/-19.018 χ^2/NDF: 55.8/35

All: 0.829+/-13.507 χ^2/NDF: 93.2/73

- sign -3.358+/-19.187 χ^2/NDF: 37.3/37

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.563+/-0.015 χ^2/NDF:455352.9/19

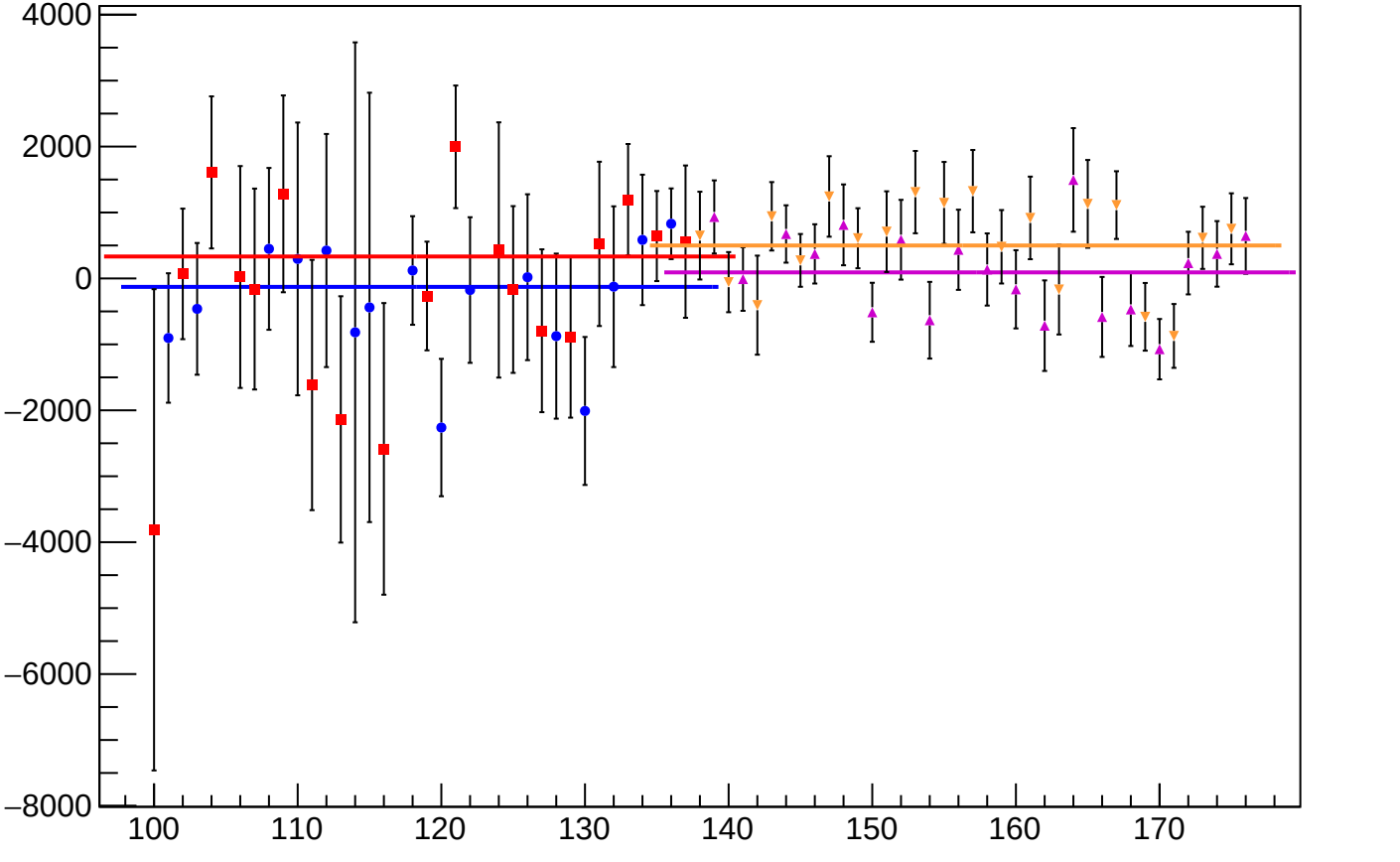
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.283+/-0.015 χ^2/NDF:424213.2/18

+ sign 90.060+/-0.013 χ^2/NDF: 1238913.1/35

All: 90.283+/-0.010 χ^2/NDF: 2510482.0/73

- sign 90.509+/-0.014 χ^2/NDF: 1271015.3/37



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 499.716+/-122.467 χ^2/NDF:26.7/19

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

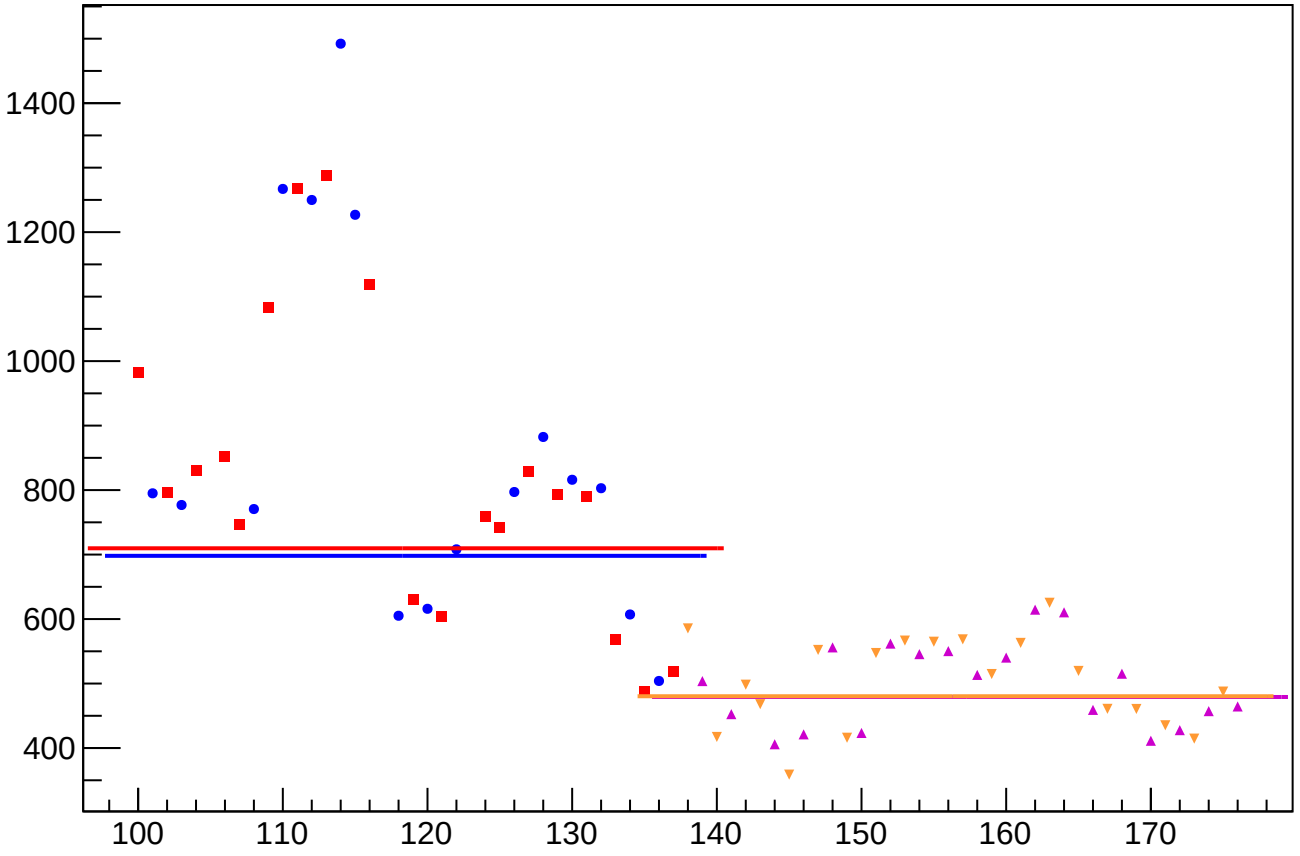
Left In: 91.793+/-123.073 χ^2/NDF:25.1/18

+ sign 391.681+/-111.431 χ^2/NDF: 43.5/35

All: 263.062+/-79.010 χ^2/NDF: 86.6/73

- sign 133.019+/-112.047 χ^2/NDF: 40.5/37

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 480.301+/-0.087 χ^2/NDF:683940.0/19

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

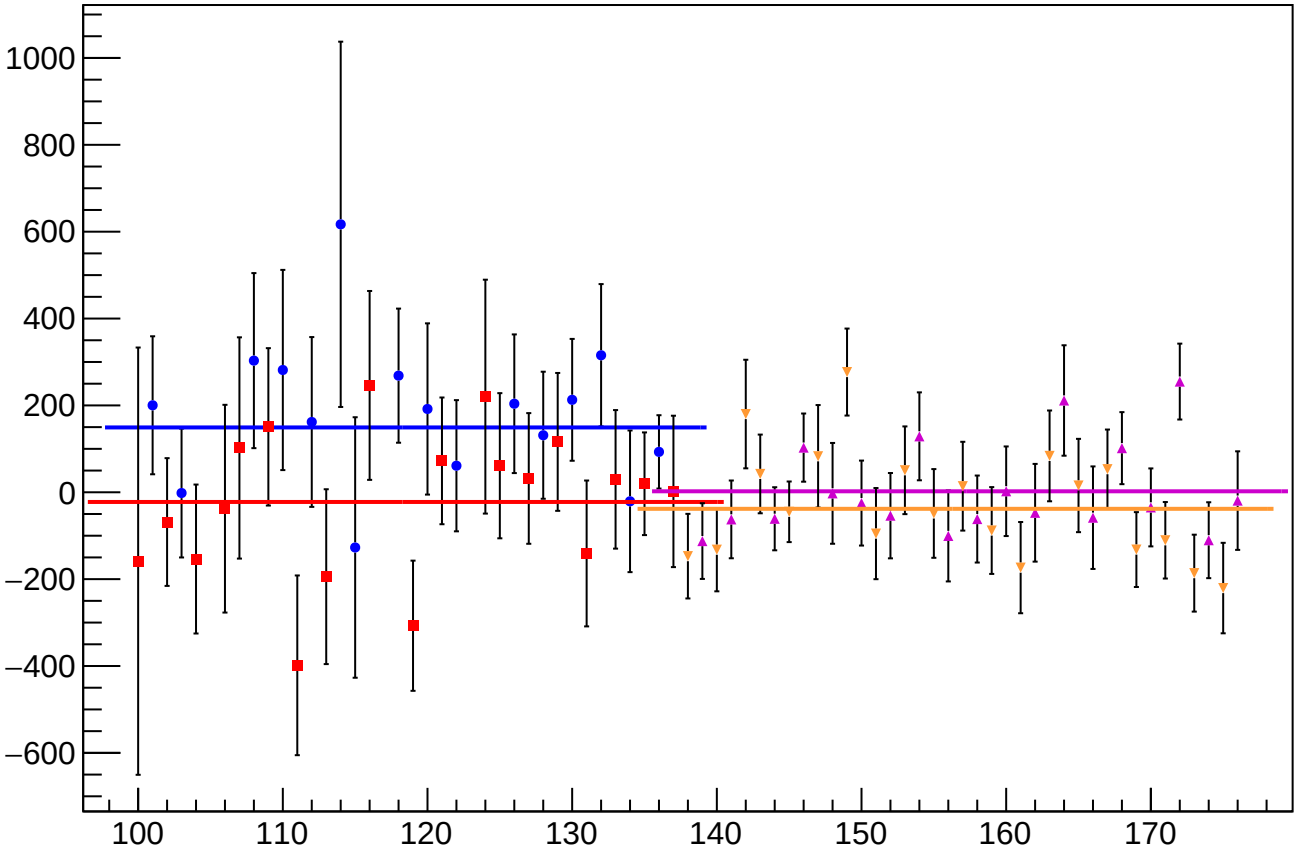
Left In: 479.141+/-0.087 χ^2/NDF:499621.3/18

+ sign 517.775+/-0.079 χ^2/NDF: 2684967.0/35

All: 518.190+/-0.056 χ^2/NDF: 5413580.5/73

- sign 518.610+/-0.079 χ^2/NDF: 2728557.6/37

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -38.087+/-21.668 χ^2/NDF:30.6/19

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

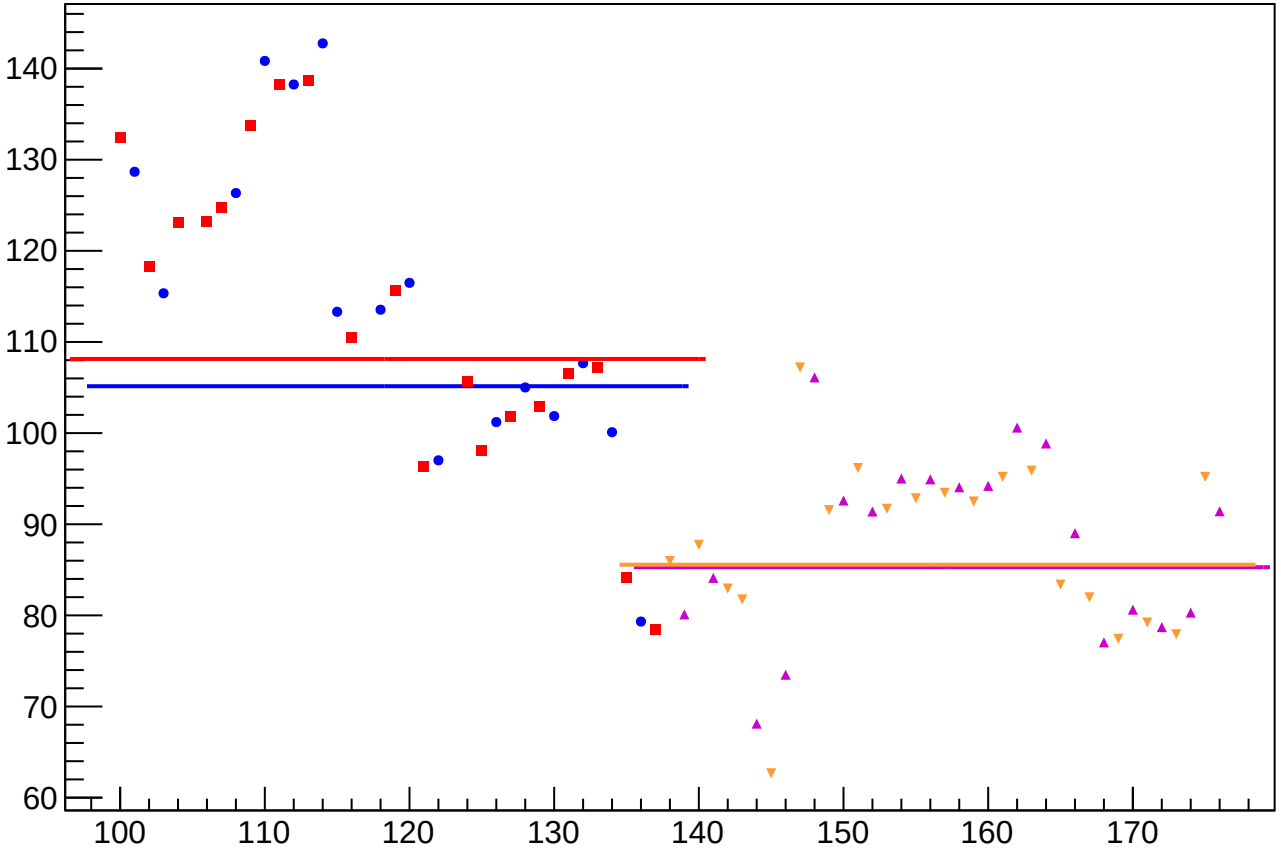
Left In: 2.257+/-21.847 χ^2/NDF:22.8/18

\+ sign 4.942+/-19.018 χ^2/NDF: 55.8/35

All: 0.829+/-13.507 χ^2/NDF: 93.2/73

\- sign -3.358+/-19.187 χ^2/NDF: 37.3/37

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.563+/-0.015 χ^2/NDF:455352.9/19

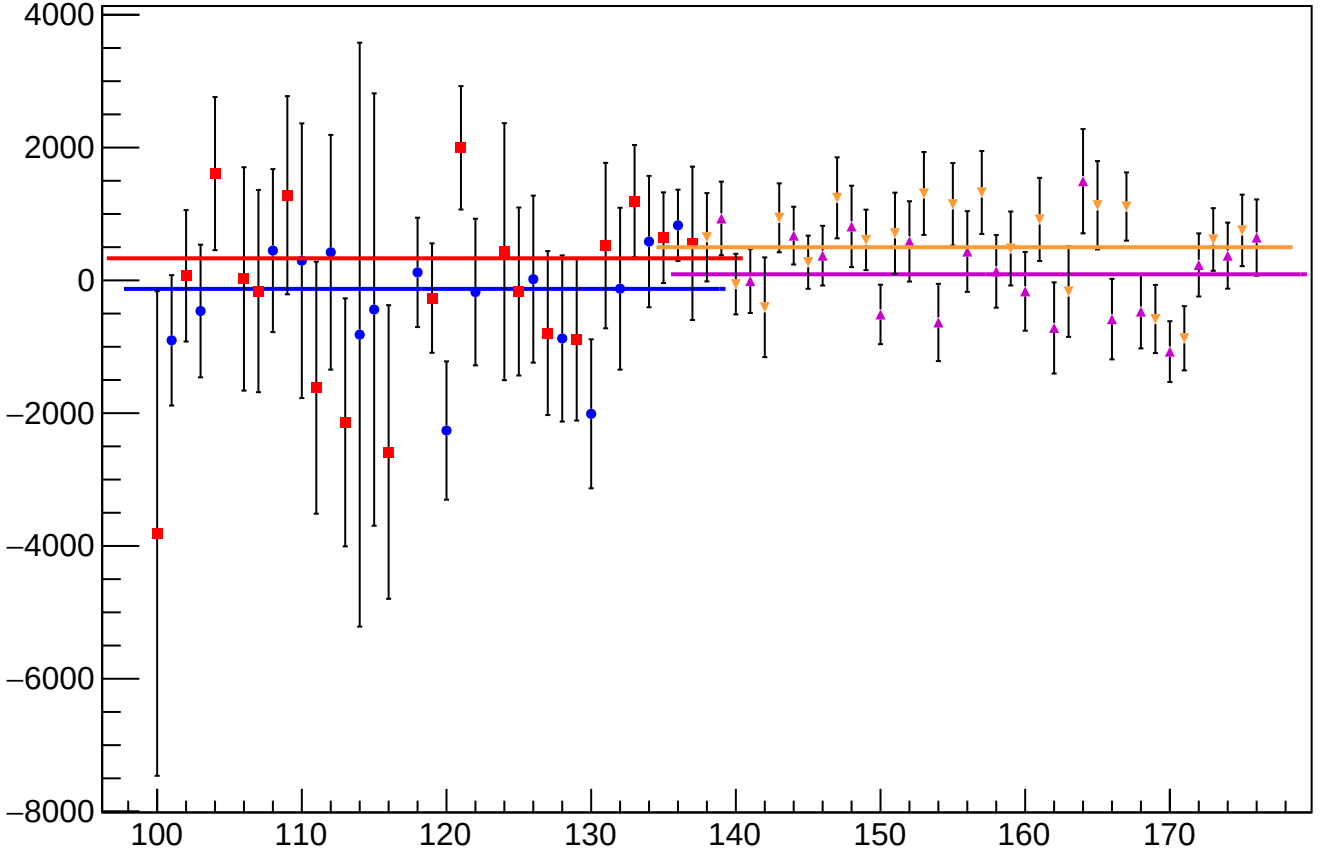
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.283+/-0.015 χ^2/NDF:424213.2/18

+ sign 90.060+/-0.013 χ^2/NDF: 1238913.1/35

All: 90.283+/-0.010 χ^2/NDF: 2510482.0/73

- sign 90.509+/-0.014 χ^2/NDF: 1271015.3/37



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 499.716+/-122.467 χ^2/NDF:26.7/19

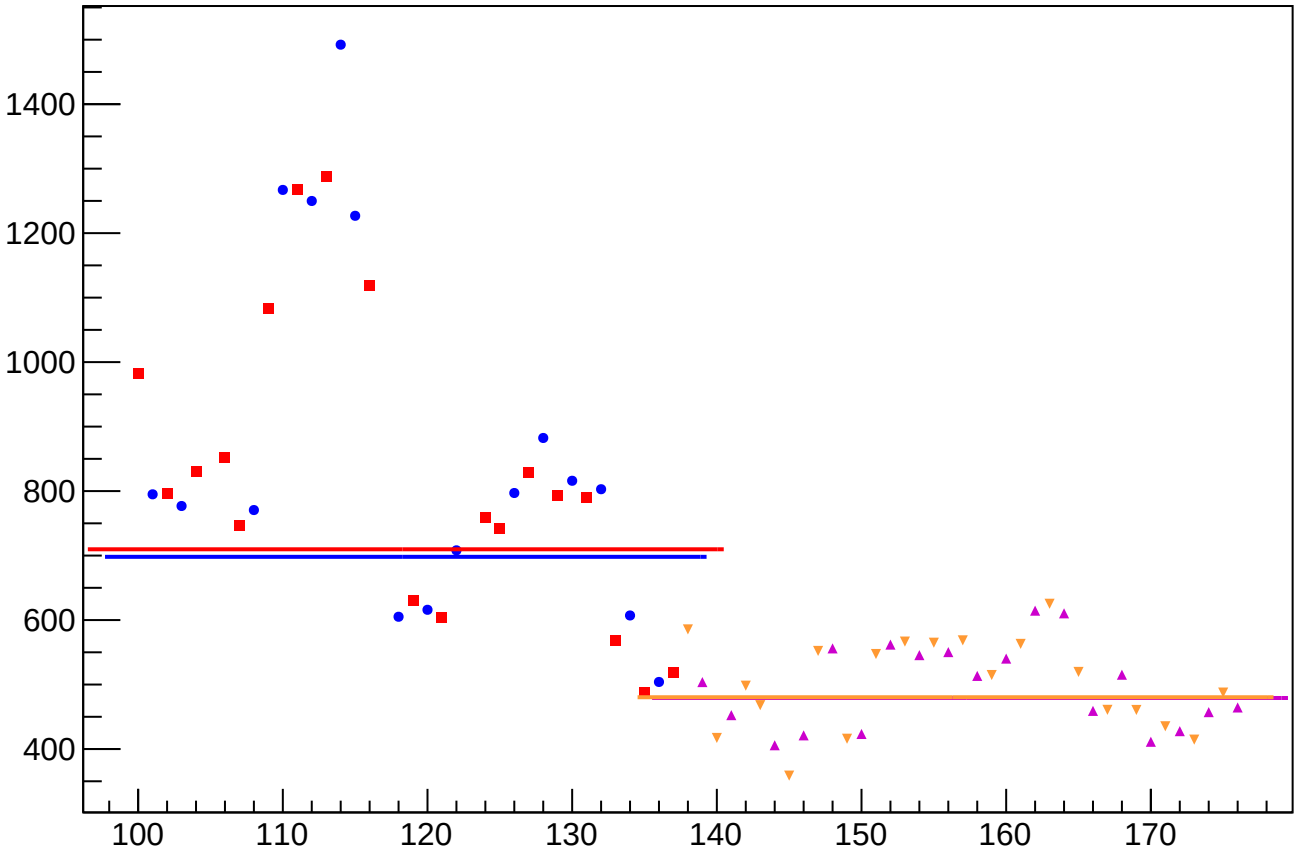
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 91.793+/-123.073 χ^2/NDF:25.1/18

+ sign 391.681+/-111.431 χ^2/NDF: 43.5/35

All: 263.062+/-79.010 χ^2/NDF: 86.6/73

- sign 133.019+/-112.047 χ^2/NDF: 40.5/37



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 480.301+/-0.087 χ^2/NDF:683940.0/19

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

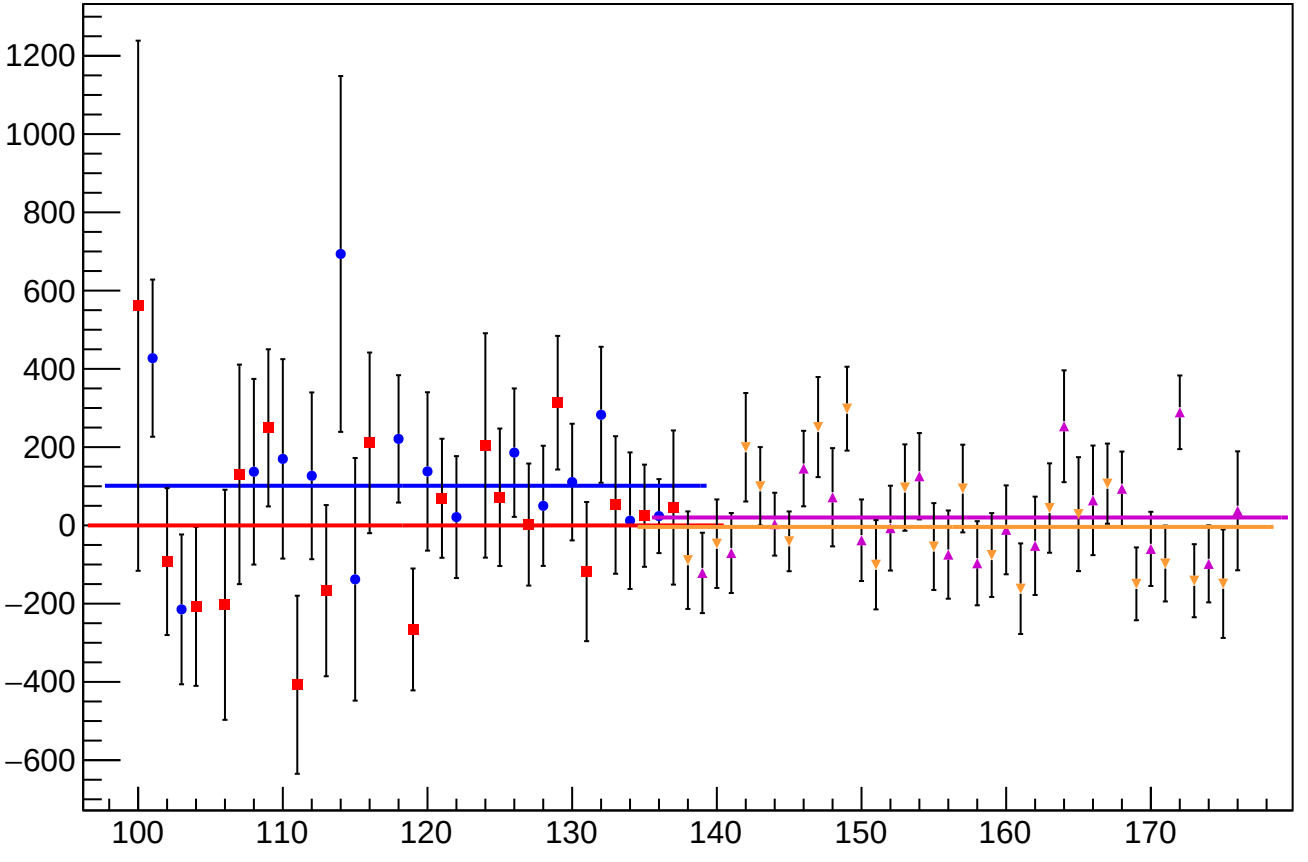
Left In: 479.141+/-0.087 χ^2/NDF:499621.3/18

+ sign 517.775+/-0.079 χ^2/NDF: 2684967.0/35

All: 518.190+/-0.056 χ^2/NDF: 5413580.5/73

- sign 518.610+/-0.079 χ^2/NDF: 2728557.6/37

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -3.959+/-24.232 χ^2/NDF:28.9/19

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

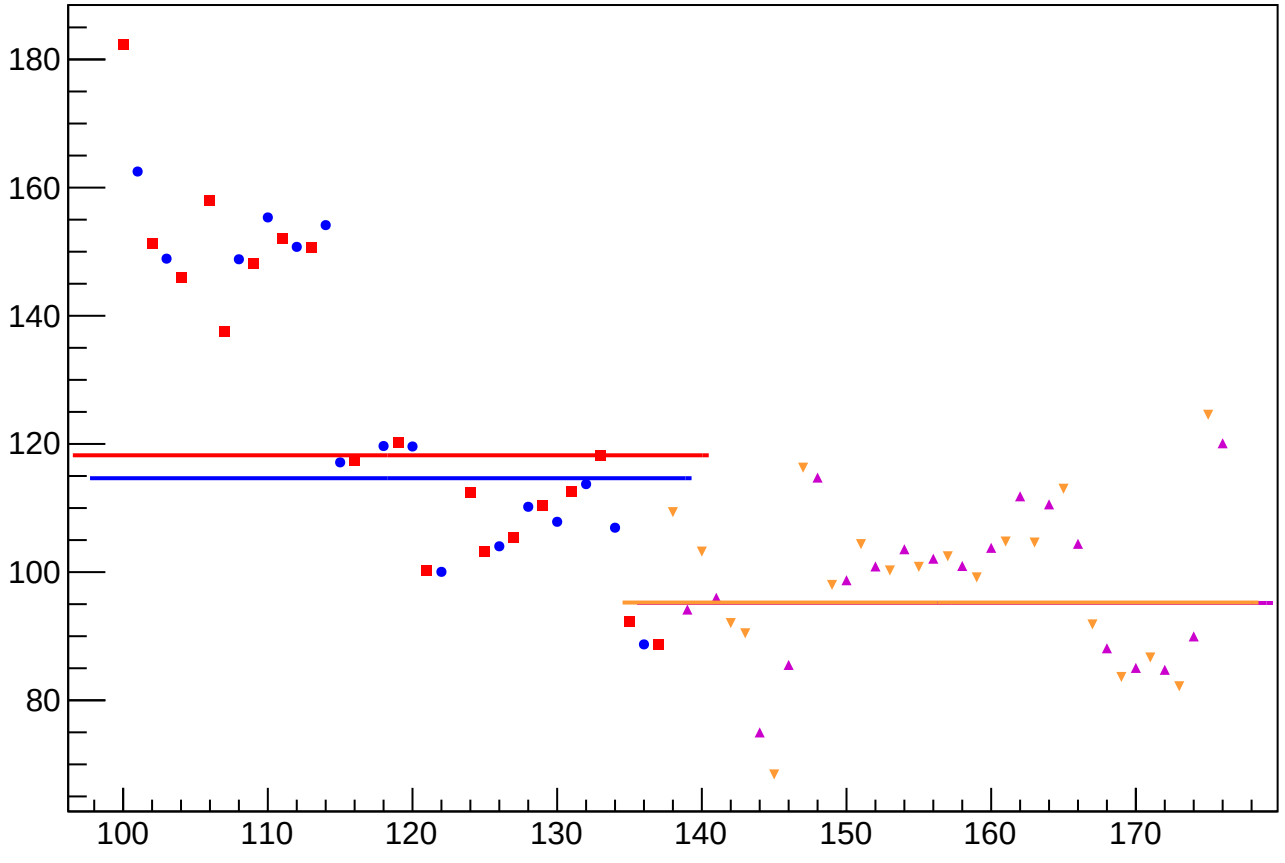
Left In: 20.205+/-24.520 χ^2/NDF:21.9/18

+ sign 20.957+/-21.170 χ^2/NDF: 44.3/35

All: 18.208+/-15.058 χ^2/NDF: 83.0/73

- sign 15.393+/-21.423 χ^2/NDF: 38.6/37

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.254+/-0.017 χ^2/NDF:610269.4/19

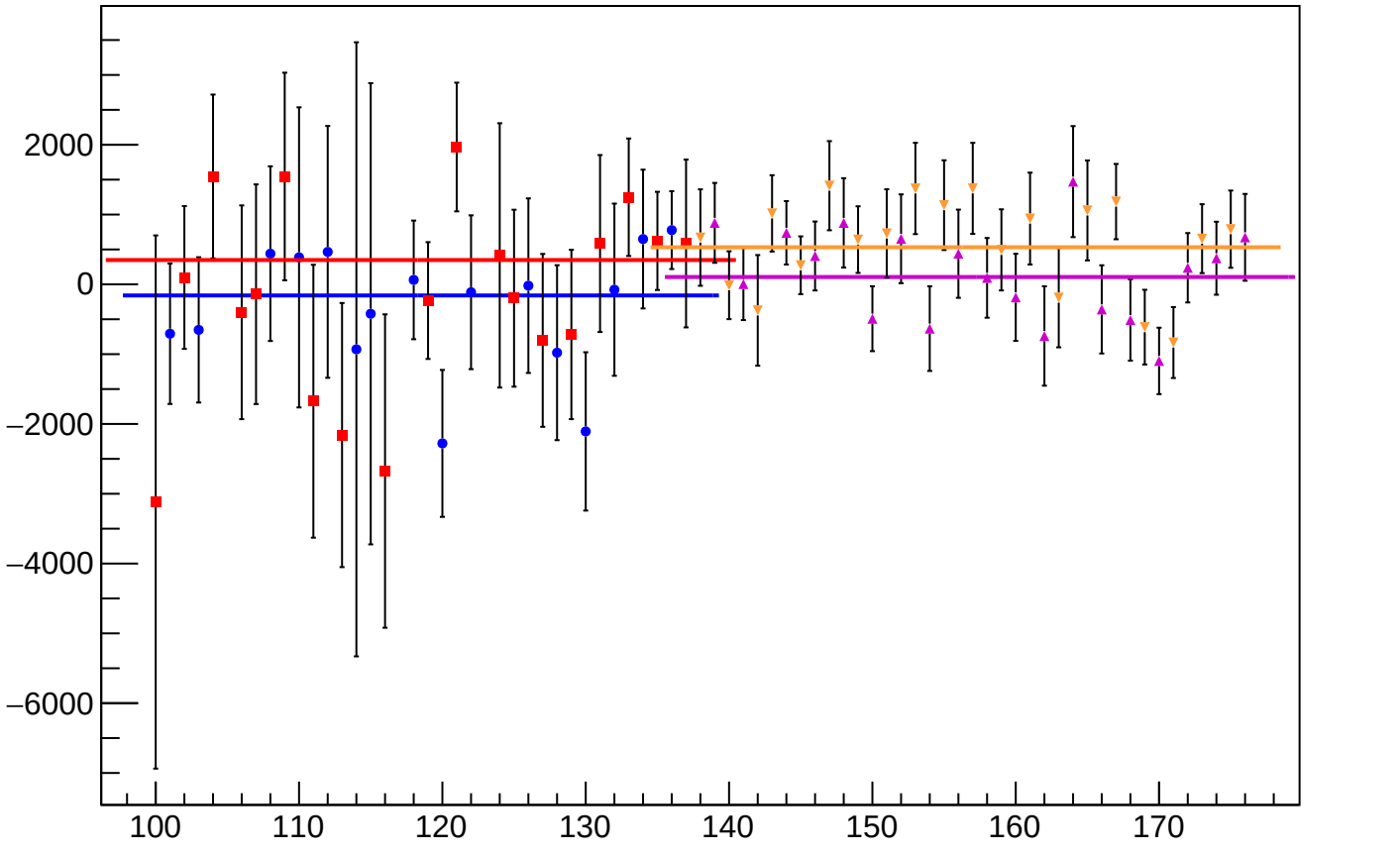
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 95.185+/-0.017 χ^2/NDF:424511.7/18

+ sign 99.847+/-0.015 χ^2/NDF: 1445729.3/35

All: 100.239+/-0.011 χ^2/NDF: 2773173.1/73

- sign 100.639+/-0.015 χ^2/NDF: 1326061.7/37



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 531.158+/-128.116 χ^2/NDF:25.5/19

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

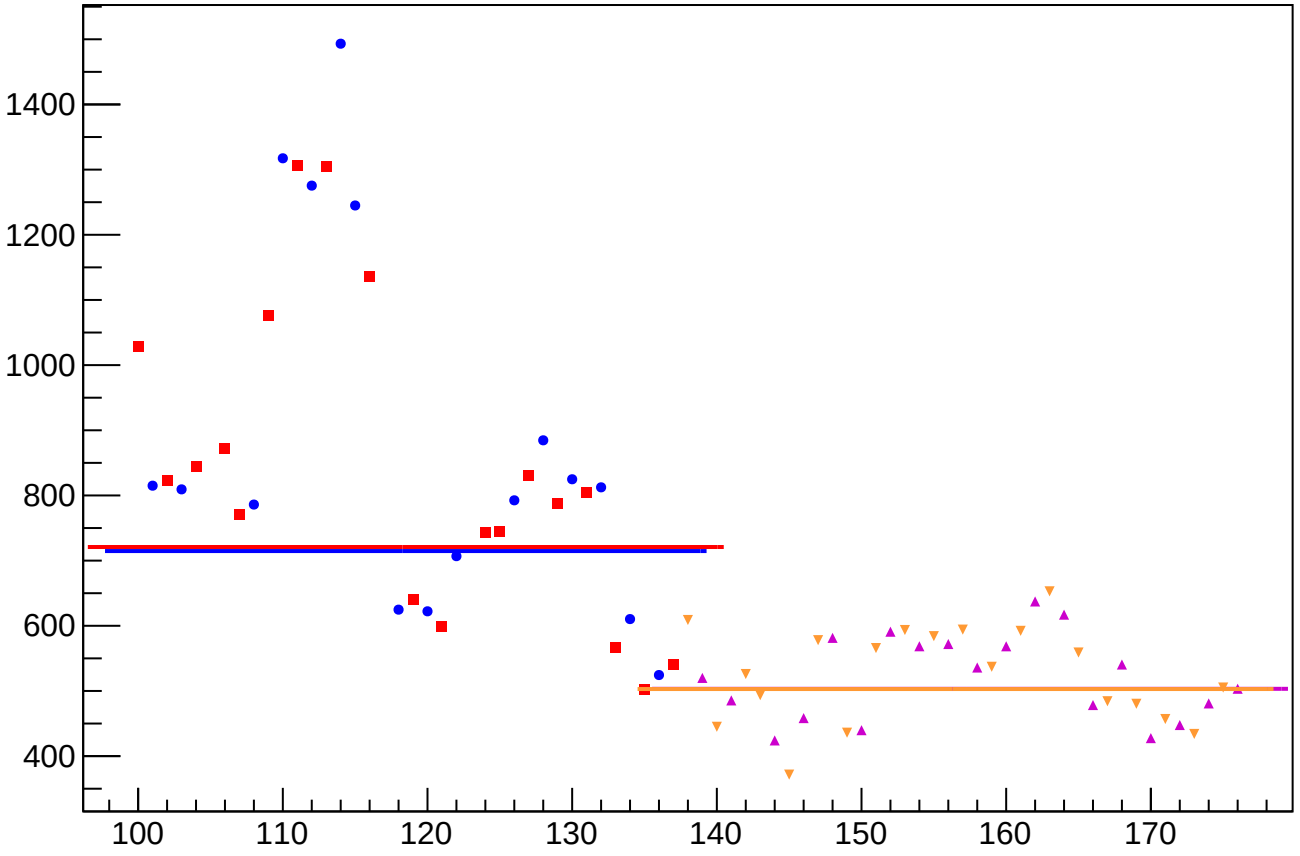
Left In: 105.312+/-129.232 χ^2/NDF:23.6/18

+ sign 407.734+/-116.098 χ^2/NDF: 42.7/35

All: 279.541+/-82.359 χ^2/NDF: 83.7/73

- sign 149.678+/-116.852 χ^2/NDF: 38.6/37

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 502.950+/-0.091 χ^2/NDF:681238.4/19

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

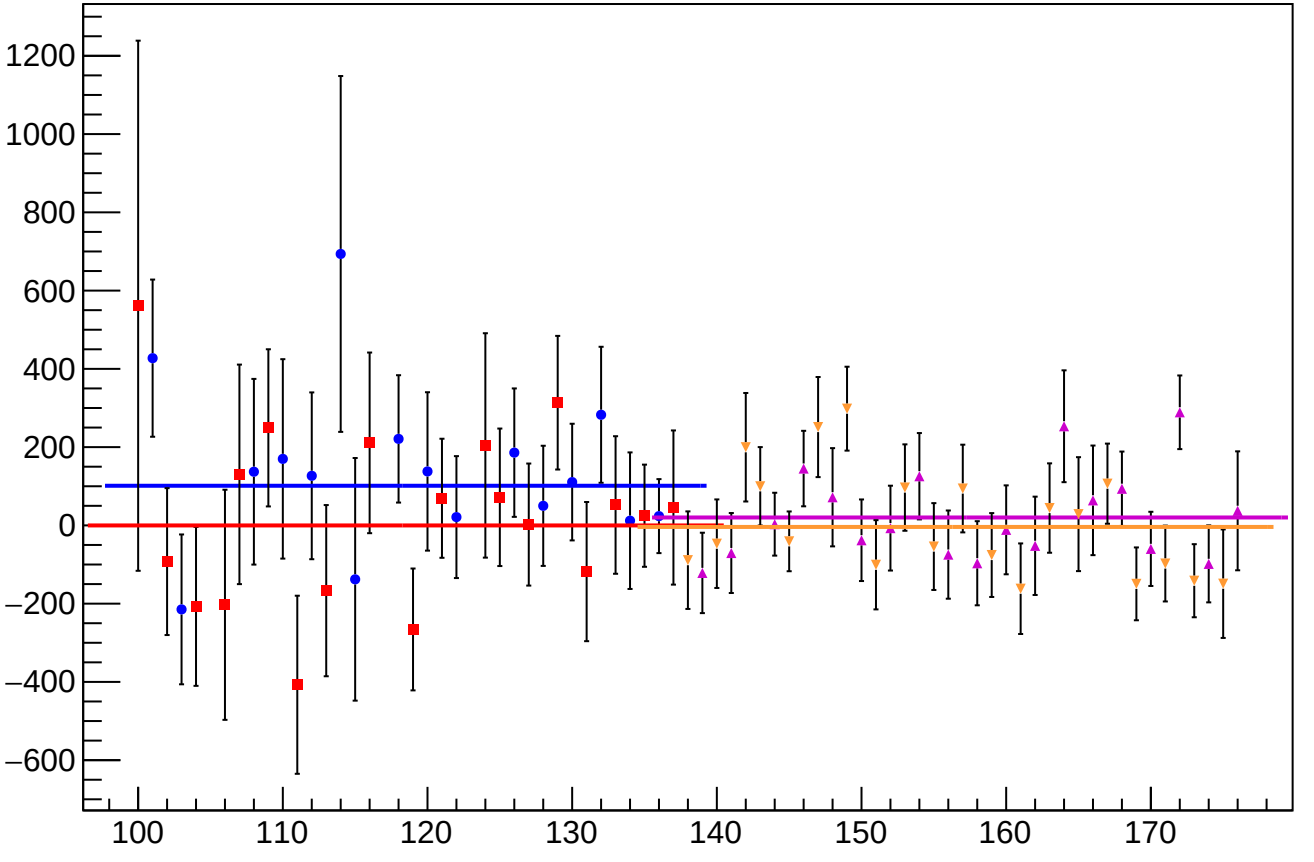
Left In: 503.280+/-0.091 χ^2/NDF:464370.7/18

\+ sign 540.806+/-0.082 χ^2/NDF: 2534058.1/35

All: 541.883+/-0.058 χ^2/NDF: 5051594.3/73

\- sign 542.974+/-0.083 χ^2/NDF: 2517189.7/37

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -3.961+/-24.232 χ^2/NDF:28.9/19

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

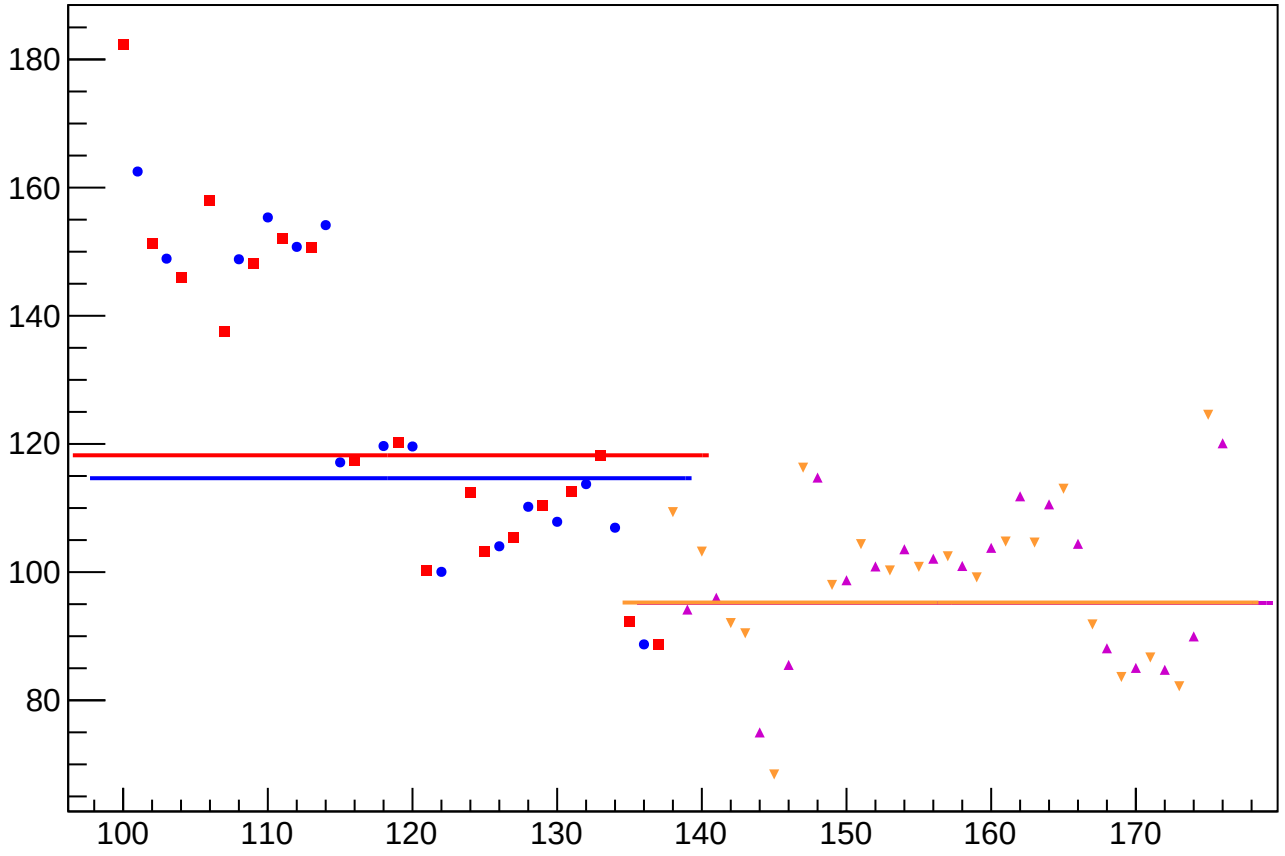
Left In: 20.205+/-24.520 χ^2/NDF:21.9/18

+ sign 20.955+/-21.170 χ^2/NDF: 44.3/35

All: 18.207+/-15.058 χ^2/NDF: 83.0/73

- sign 15.394+/-21.423 χ^2/NDF: 38.6/37

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.254+/-0.017 χ^2/NDF:610277.2/19

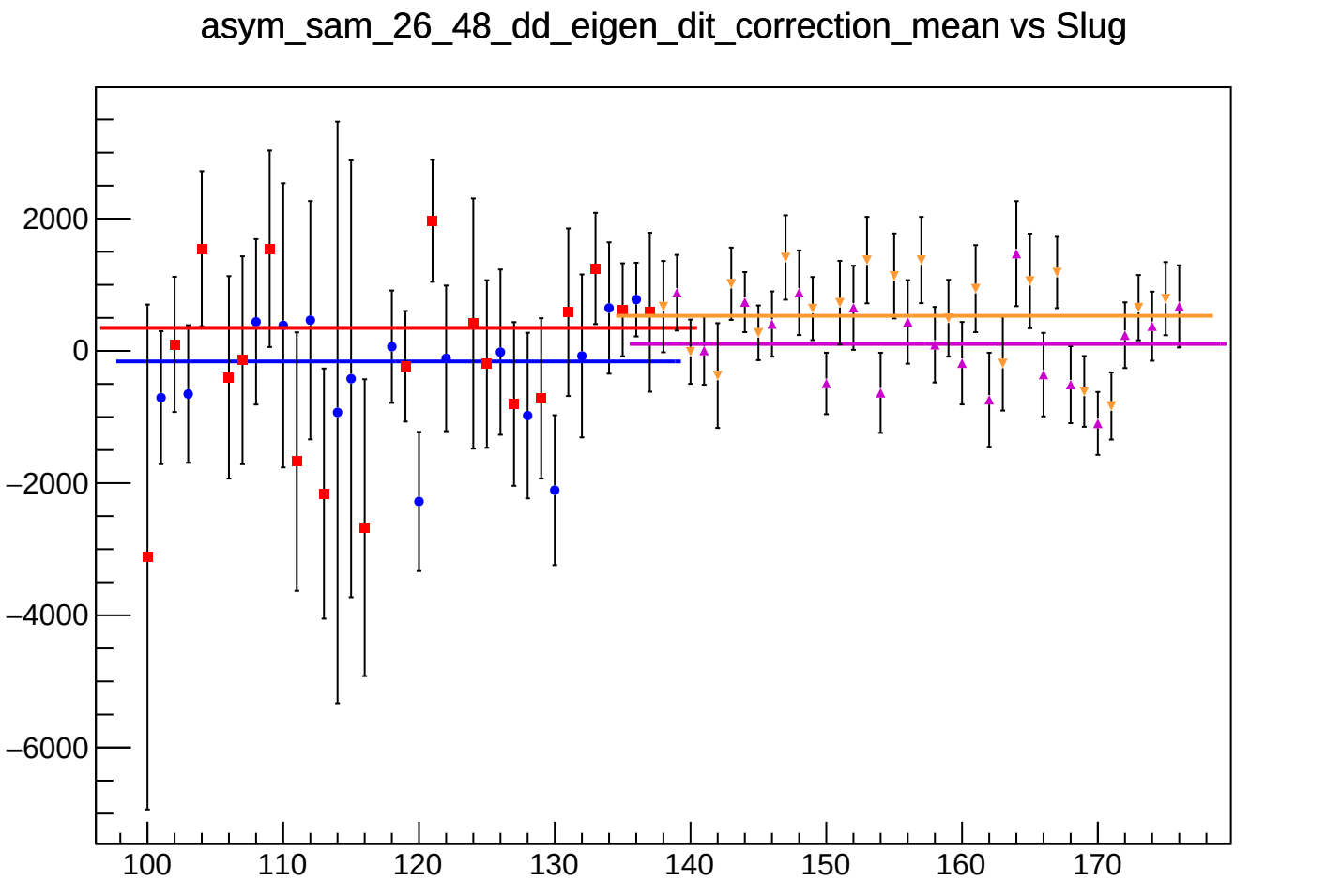
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 95.185+/-0.017 χ^2/NDF:424509.3/18

+ sign 99.847+/-0.015 χ^2/NDF: 1445728.3/35

All: 100.239+/-0.011 χ^2/NDF: 2773162.7/73

- sign 100.639+/-0.015 χ^2/NDF: 1326052.4/37



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 531.157+/-128.116 χ^2/NDF:25.5/19

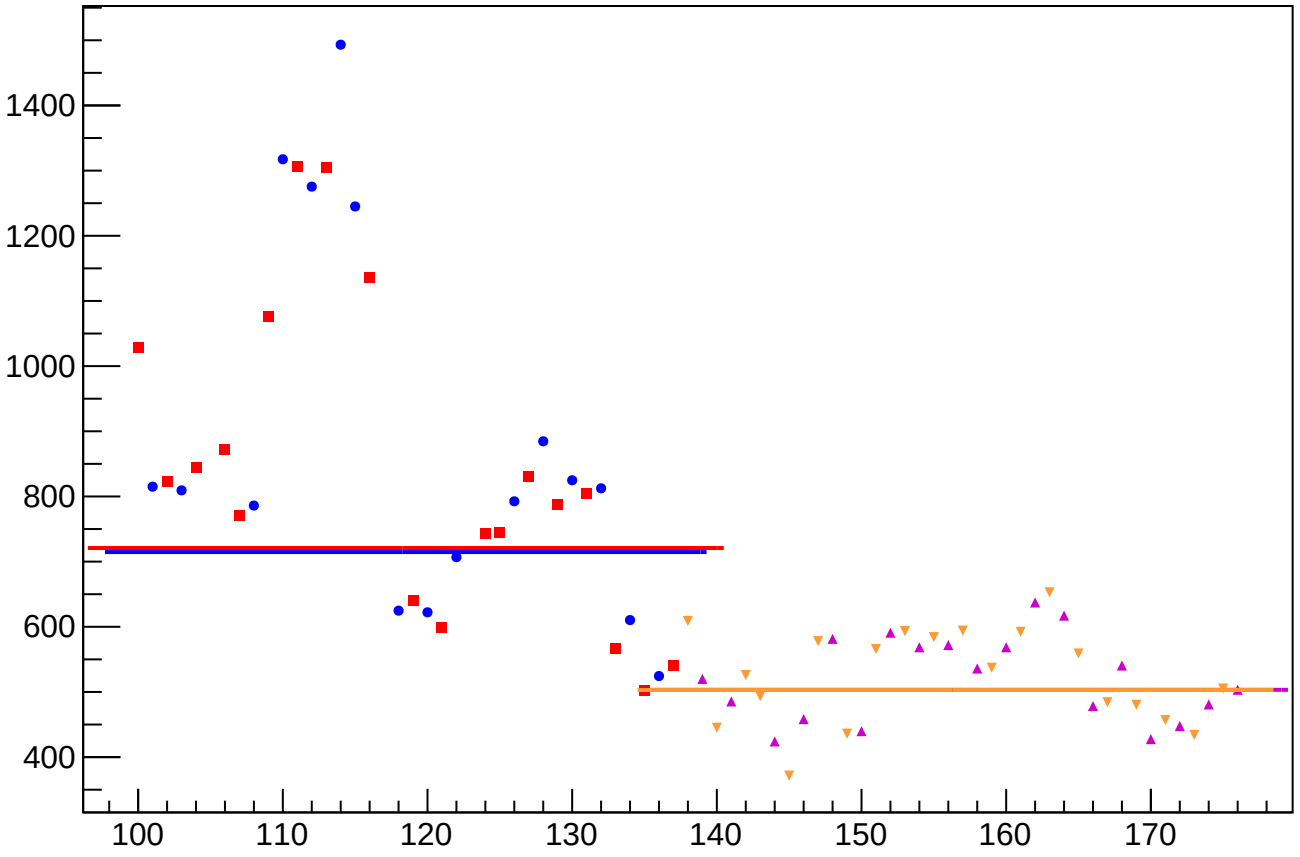
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 105.312+/-129.232 χ^2/NDF:23.6/18

+ sign 407.732+/-116.098 χ^2/NDF: 42.7/35

All: 279.540+/-82.359 χ^2/NDF: 83.7/73

- sign 149.677+/-116.852 χ^2/NDF: 38.6/37



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 502.950+/-0.091 χ^2/NDF:681240.4/19

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

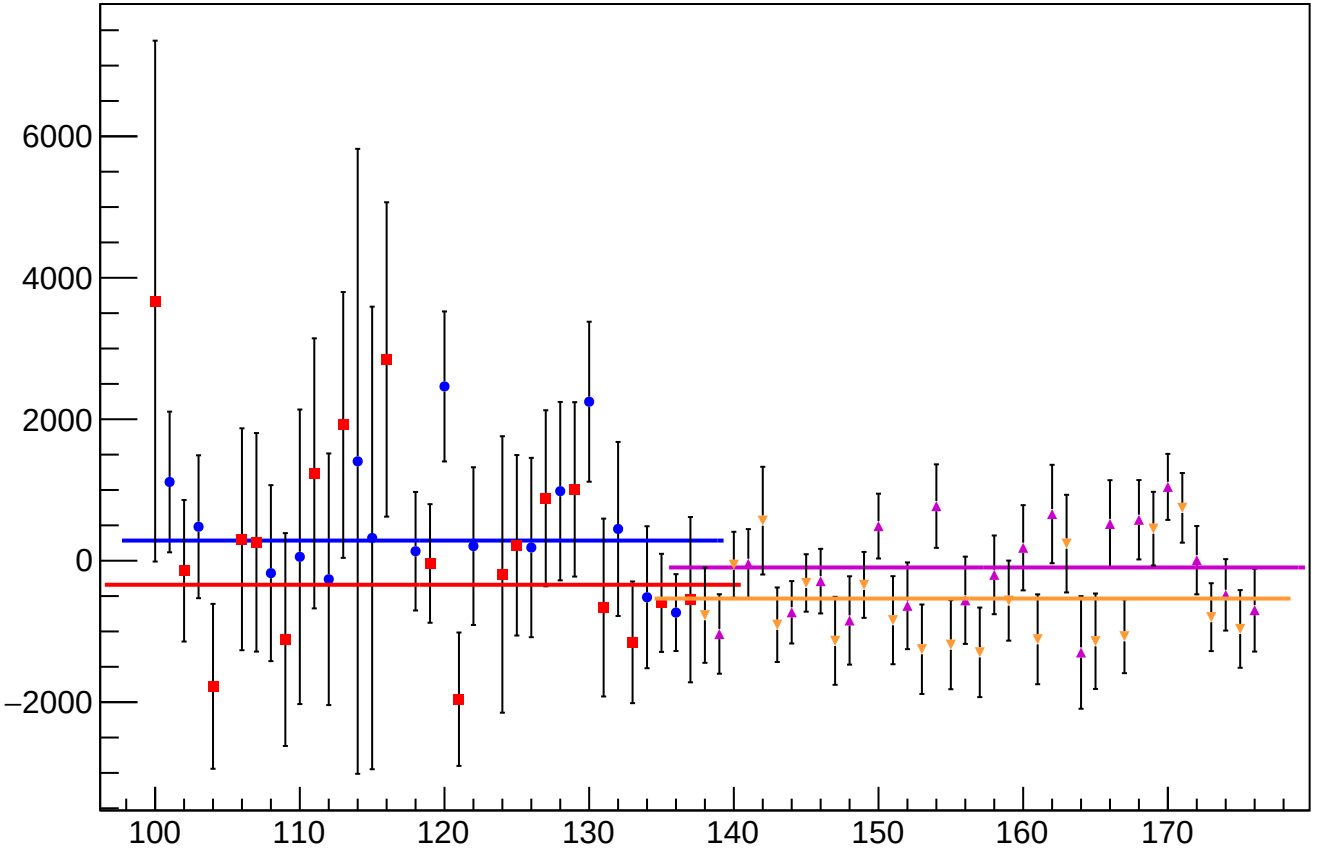
Left In: 503.280+/-0.091 χ^2/NDF:464370.2/18

+ sign 540.806+/-0.082 χ^2/NDF: 2534056.0/35

All: 541.883+/-0.058 χ^2/NDF: 5051584.8/73

- sign 542.974+/-0.083 χ^2/NDF: 2517182.3/37

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -535.064+/-124.504 χ^2/NDF:24.4/19

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

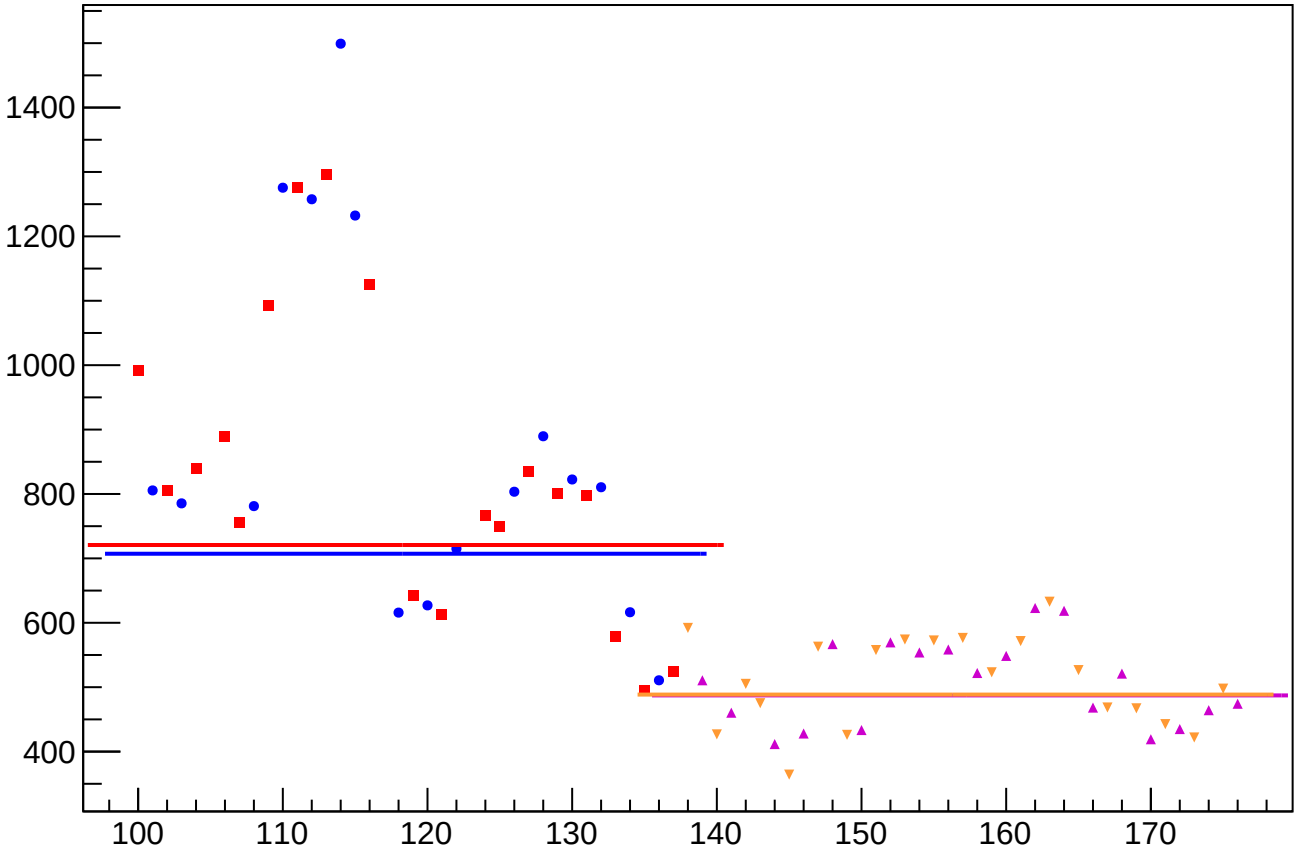
Left In: -95.568+/-125.114 χ^2/NDF:25.4/18

\+ sign -392.998+/-113.204 χ^2/NDF: 44.7/35

All: -266.072+/-80.251 χ^2/NDF: 87.4/73

\- sign -137.845+/-113.782 χ^2/NDF: 40.2/37

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 488.519+/-0.088 χ^2/NDF:669823.6/19

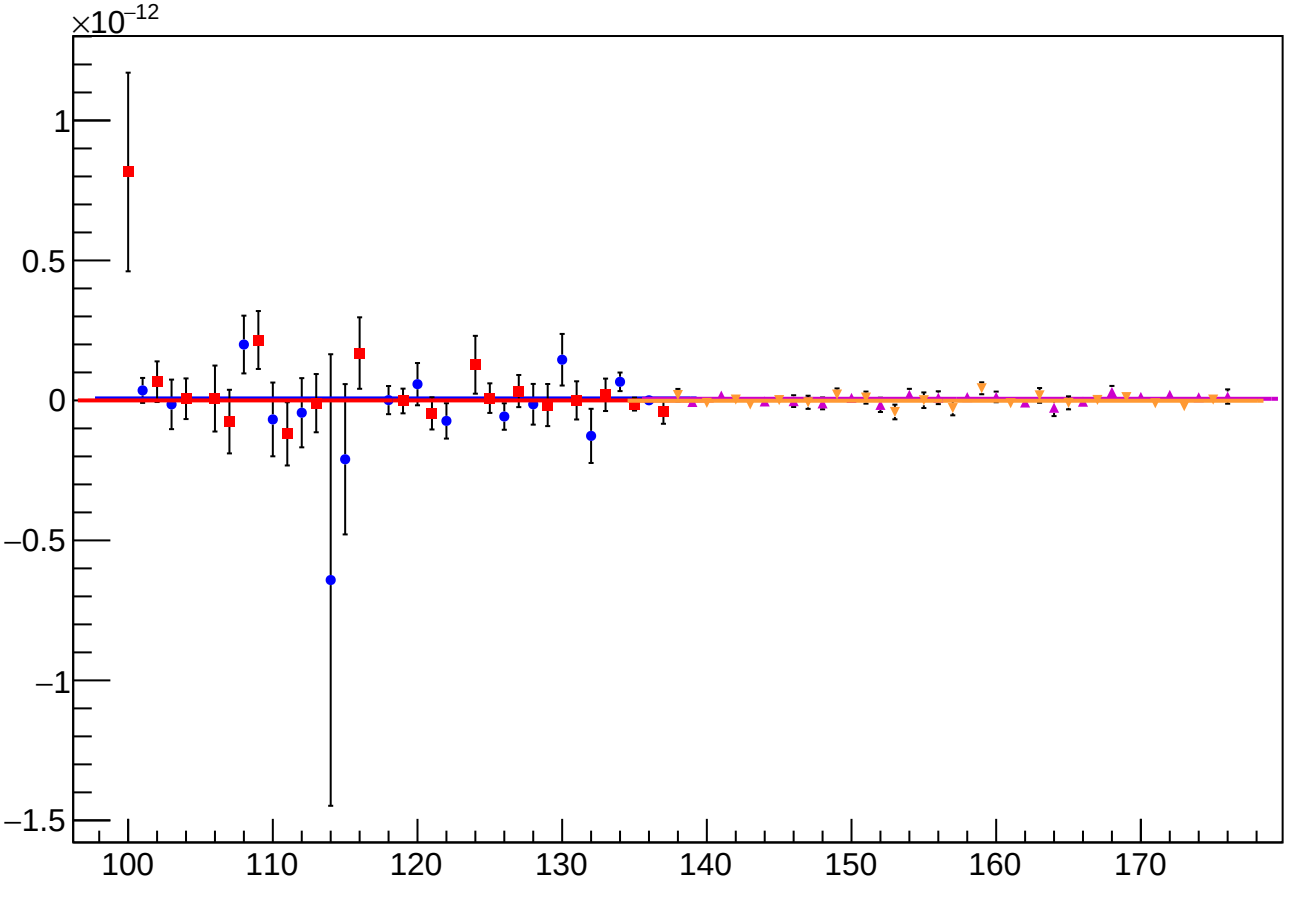
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 487.238+/-0.088 χ^2/NDF:489475.0/18

+ sign 526.415+/-0.080 χ^2/NDF: 2635779.3/35

All: 527.018+/-0.057 χ^2/NDF: 5345815.3/73

- sign 527.628+/-0.080 χ^2/NDF: 2709921.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/19

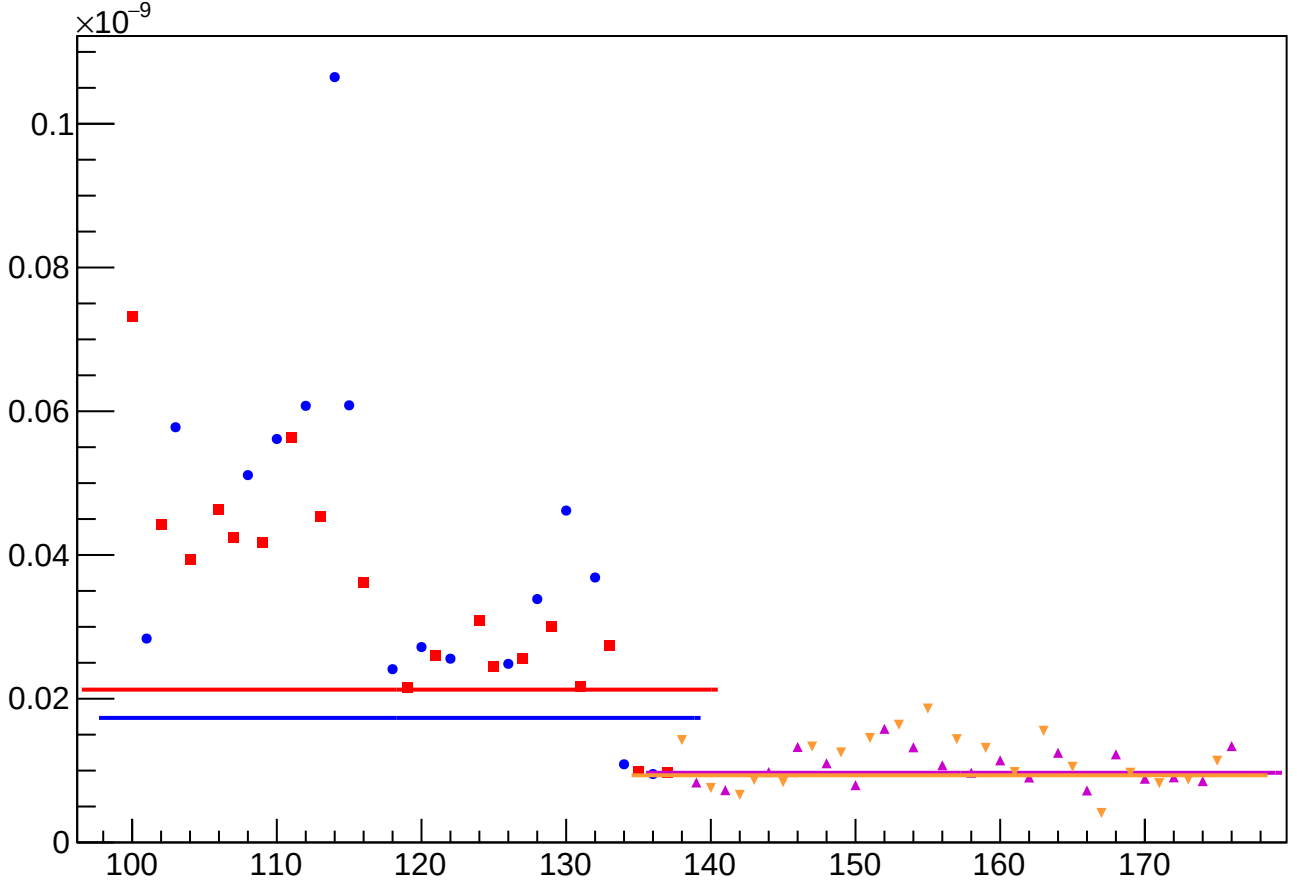
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/35

All: 0.000+/-0.000 χ^2/NDF: 59.7/73

- sign 0.000+/-0.000 χ^2/NDF: 26.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1719173.3/19

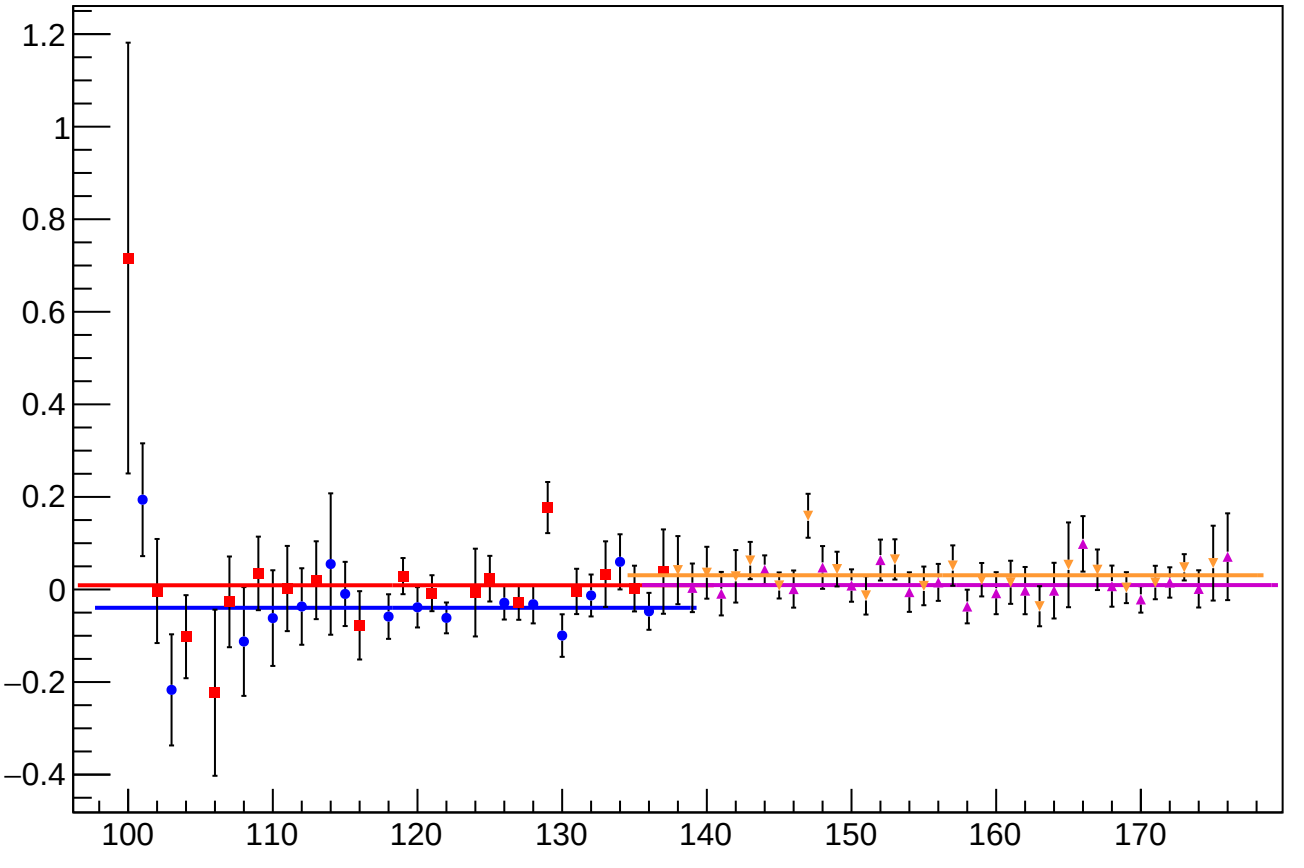
Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:523906.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 4956723.1/35

All: 0.000+/-0.000 χ^2/NDF: 8534717.5/73

- sign 0.000+/-0.000 χ^2/NDF: 3559128.6/37



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

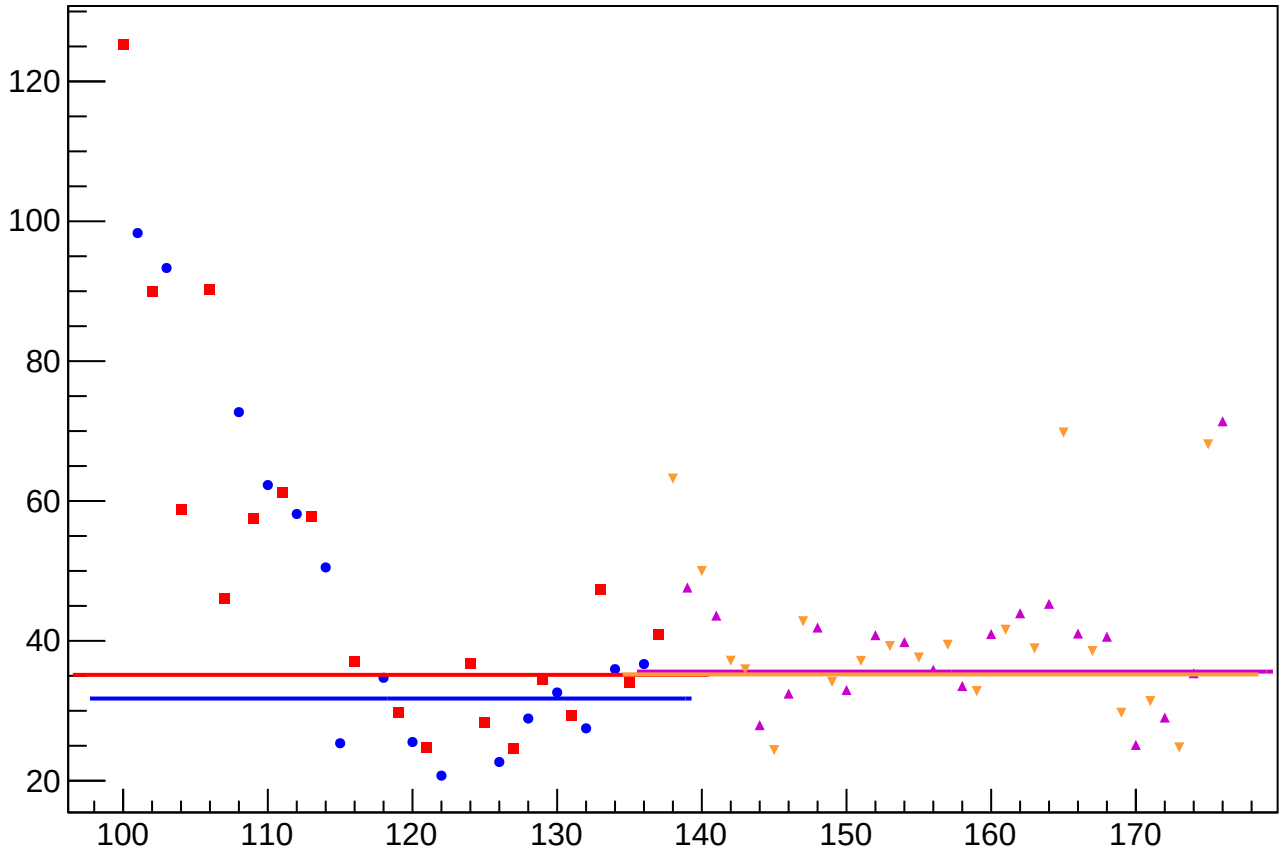
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:9.4/18

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/35

All: 0.008+/-0.005 χ^2/NDF: 74.2/73

- sign 0.009+/-0.008 χ^2/NDF: 27.7/37



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.204+/-0.007 χ^2/NDF:1862726.6/19

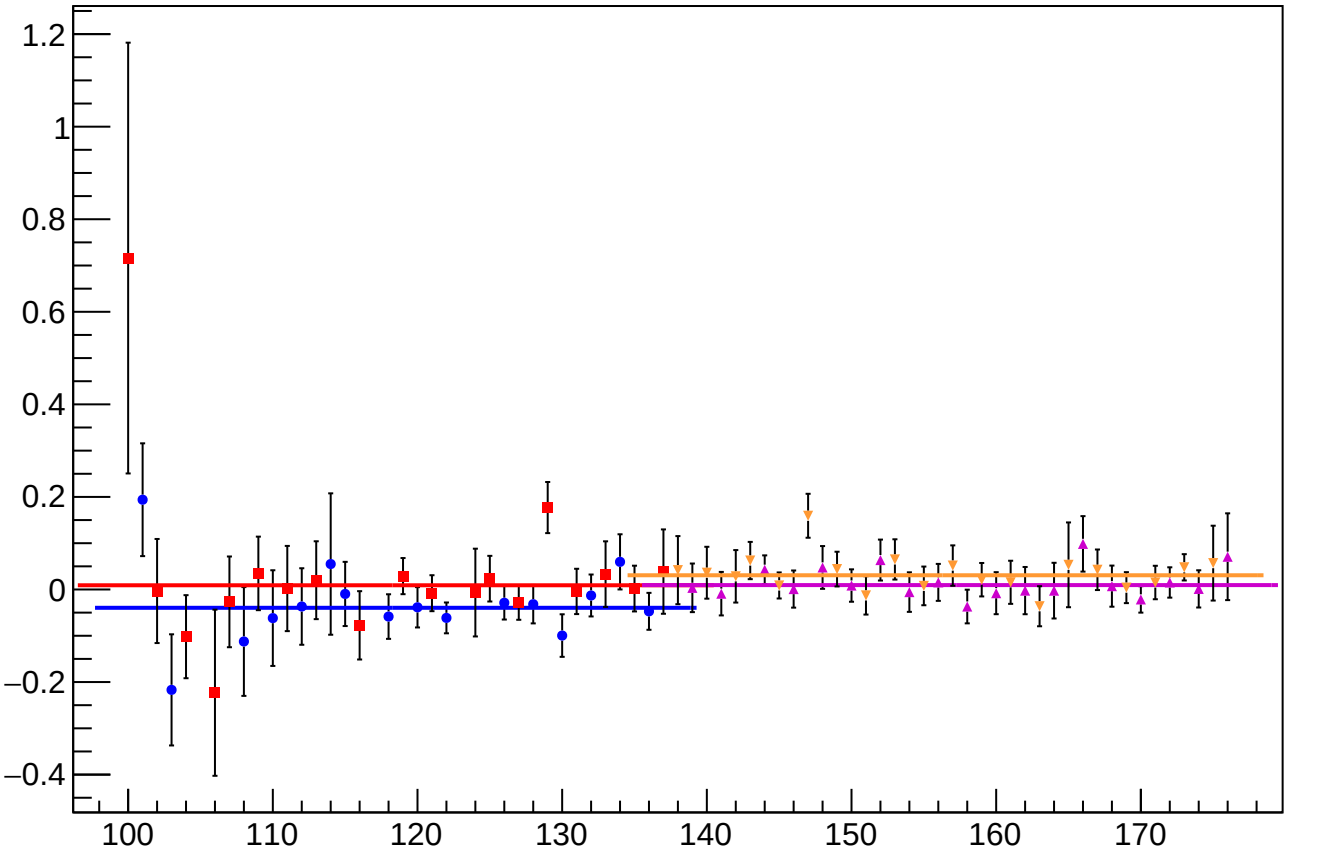
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215693.4/18

+ sign 34.052+/-0.005 χ^2/NDF: 4206547.1/35

All: 34.729+/-0.004 χ^2/NDF: 7301396.7/73

- sign 35.461+/-0.006 χ^2/NDF: 3061863.6/37



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

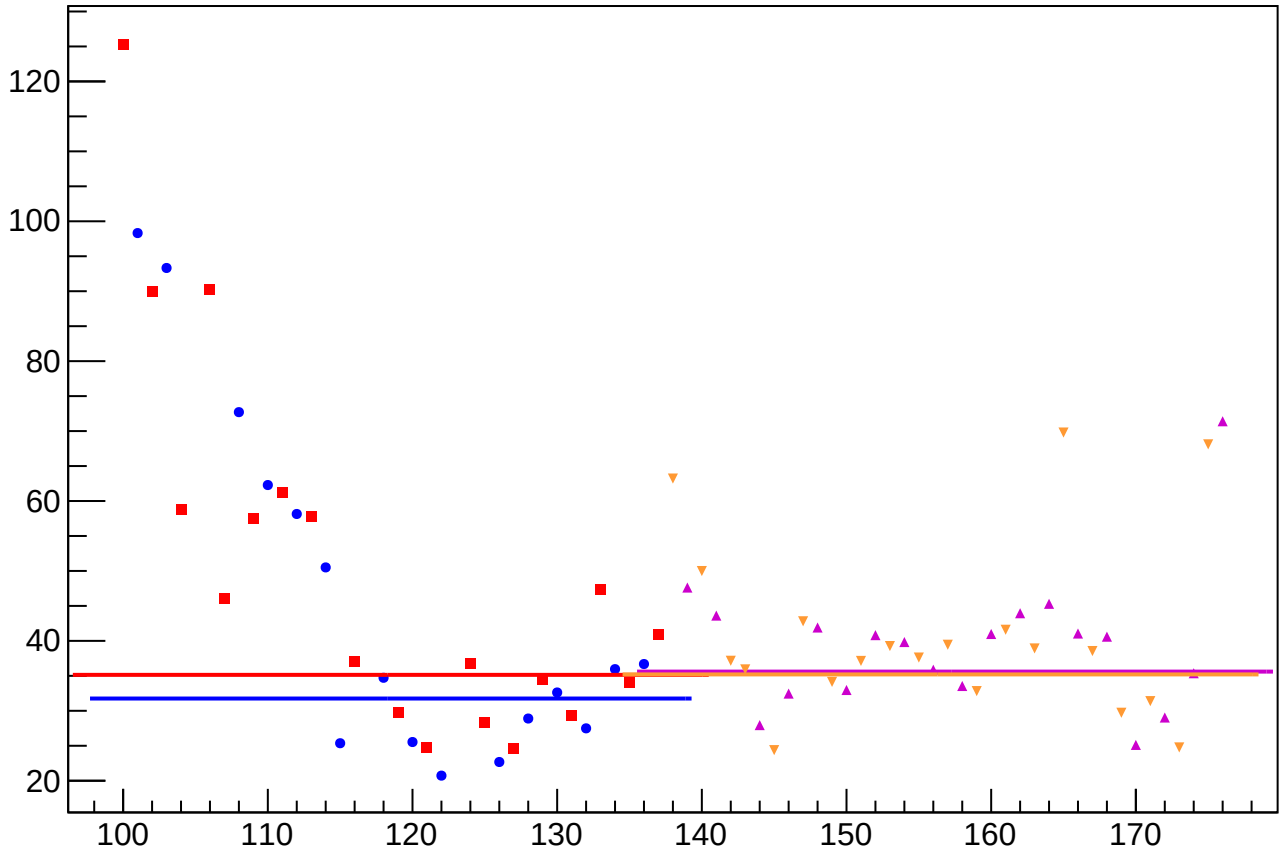
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:9.4/18

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/35

All: 0.008+/-0.005 χ^2/NDF: 74.2/73

- sign 0.009+/-0.008 χ^2/NDF: 27.7/37



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.204+/-0.007 χ^2/NDF:1862726.6/19

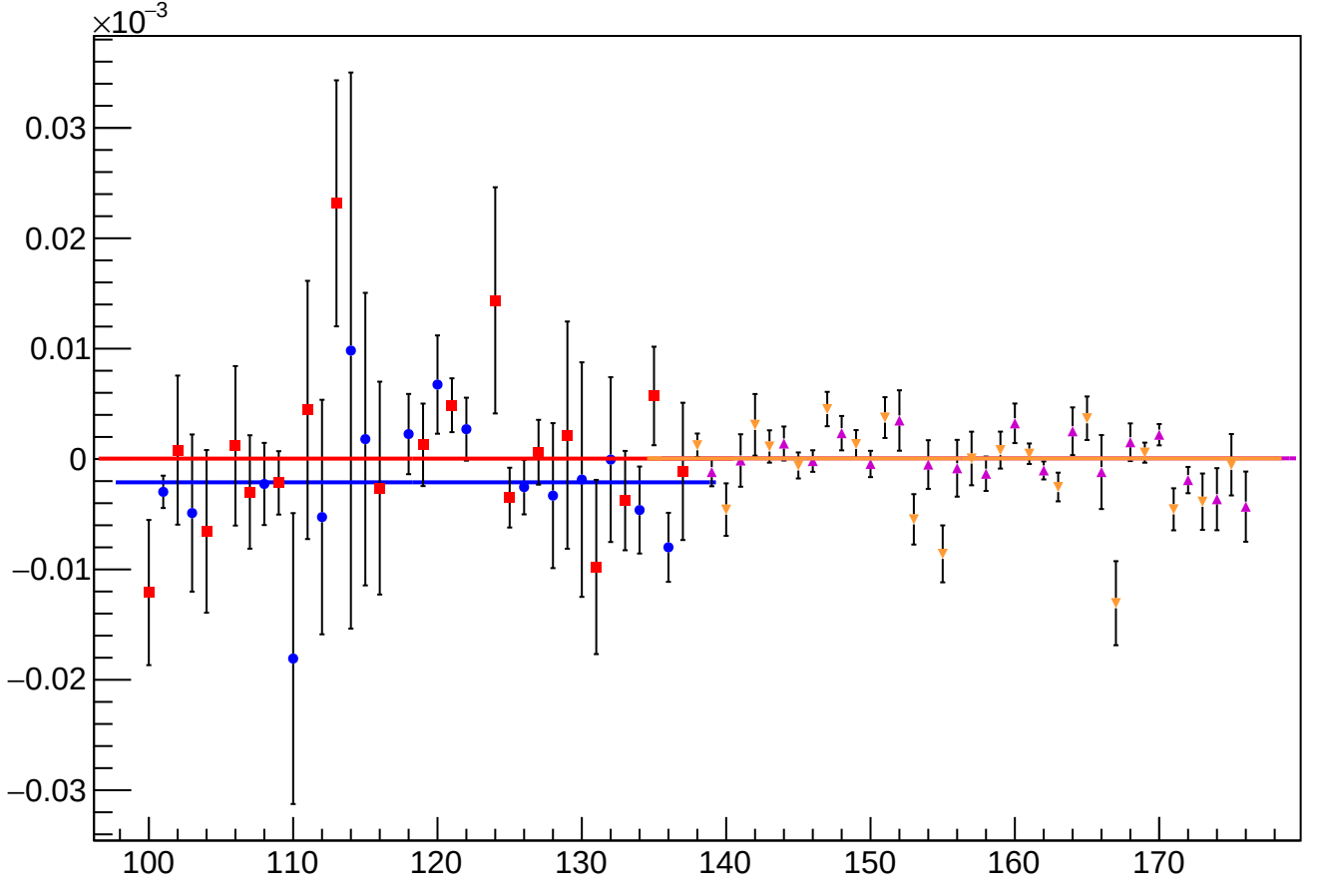
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215693.4/18

+ sign 34.052+/-0.005 χ^2/NDF: 4206547.1/35

All: 34.729+/-0.004 χ^2/NDF: 7301396.7/73

- sign 35.461+/-0.006 χ^2/NDF: 3061863.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:65.8/19

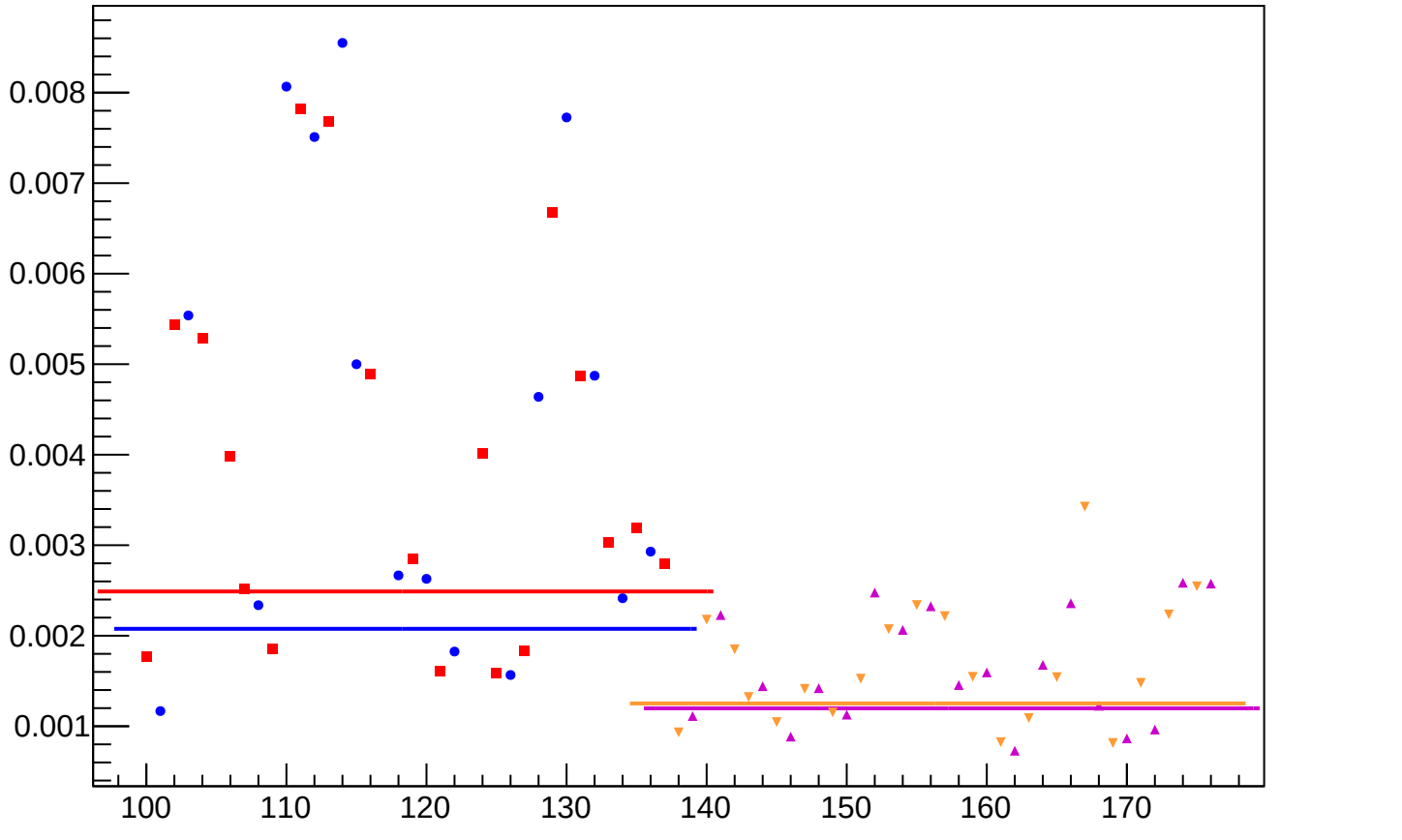
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:25.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 85.4/35

All: -0.000+/-0.000 χ^2/NDF: 132.2/73

- sign 0.000+/-0.000 χ^2/NDF: 46.4/37



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4081541.5/19

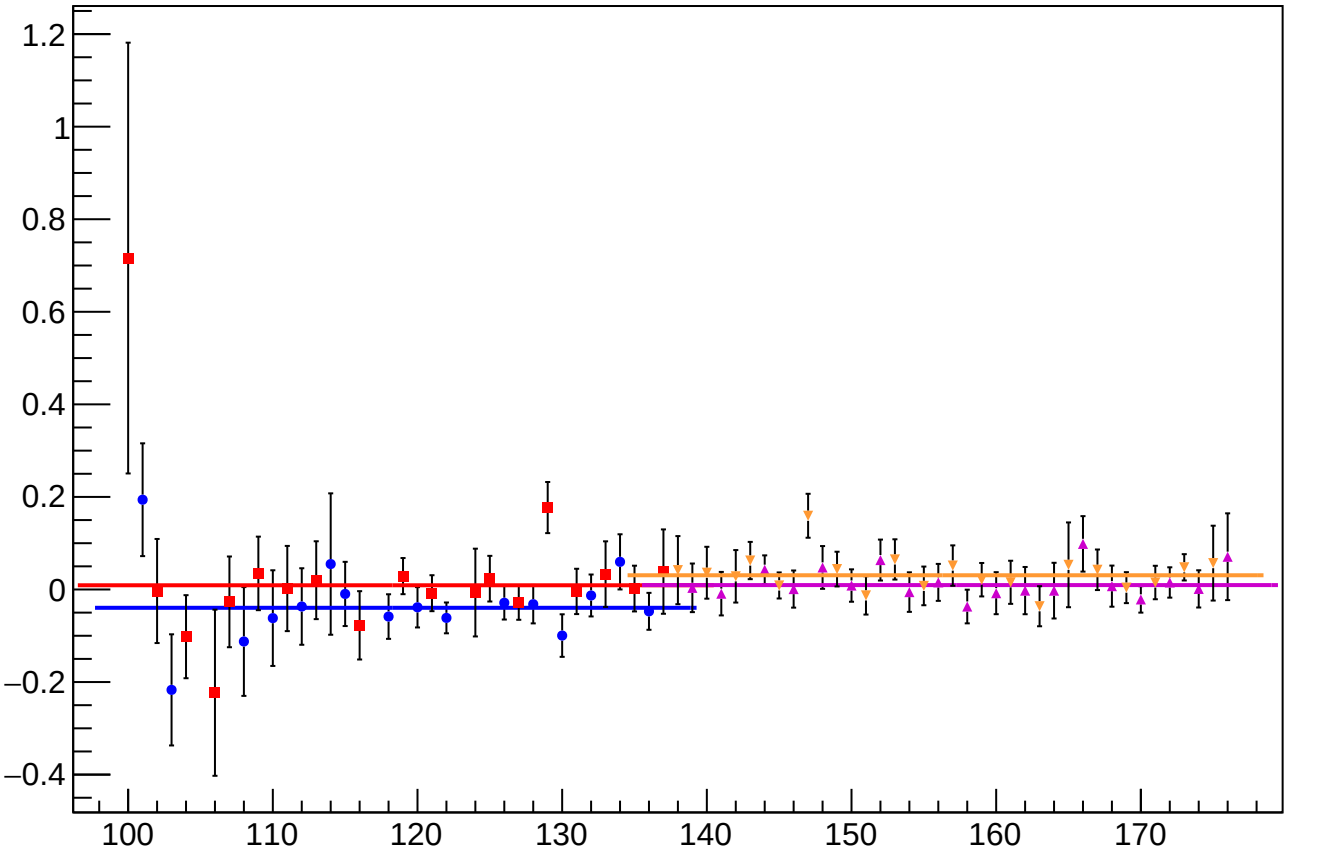
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4147650.6/18

+ sign 0.001+/-0.000 χ^2/NDF: 9435981.6/35

All: 0.001+/-0.000 χ^2/NDF: 19462311.3/73

- sign 0.001+/-0.000 χ^2/NDF: 10015113.3/37



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

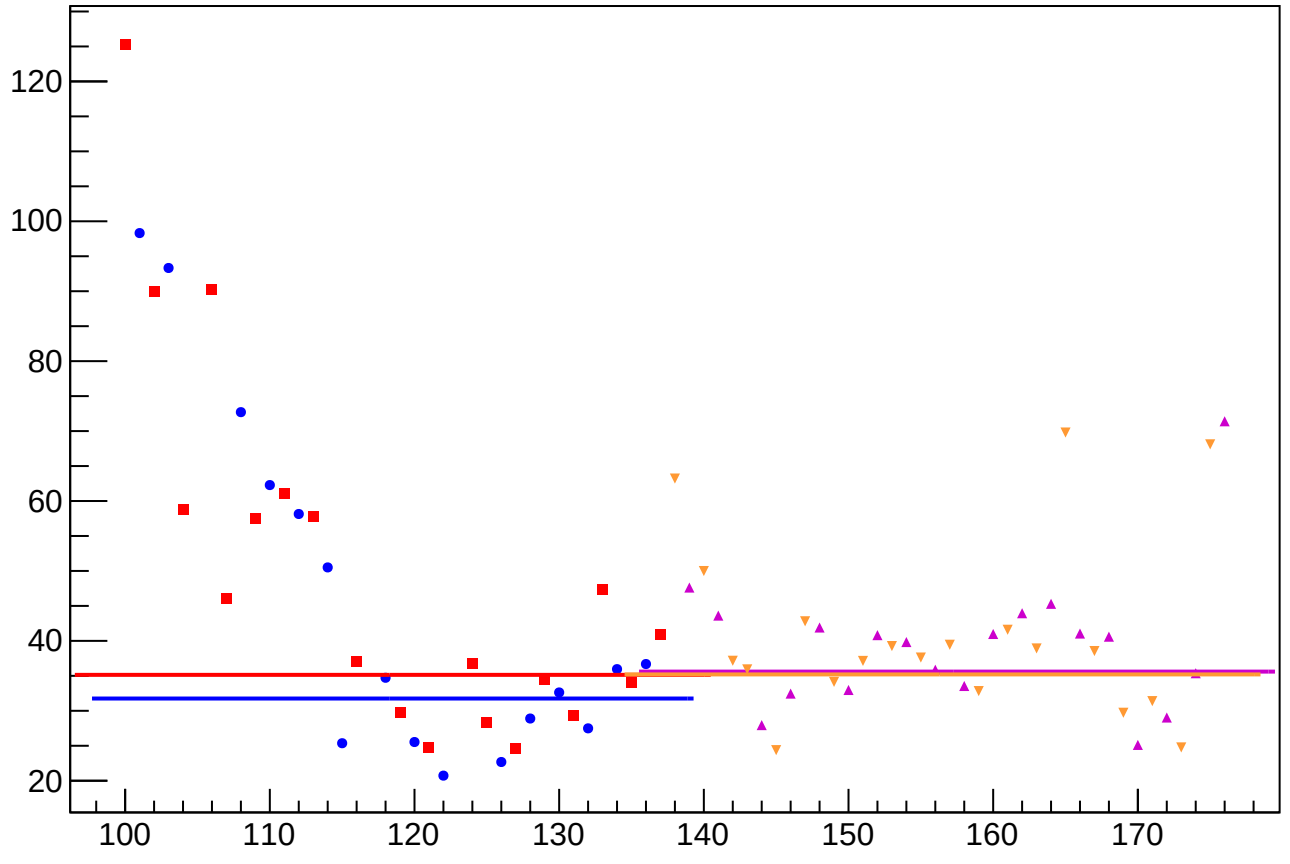
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:9.4/18

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/35

All: 0.008+/-0.005 χ^2/NDF: 74.2/73

- sign 0.009+/-0.008 χ^2/NDF: 27.7/37



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.204+/-0.007 χ^2/NDF:1862766.3/19

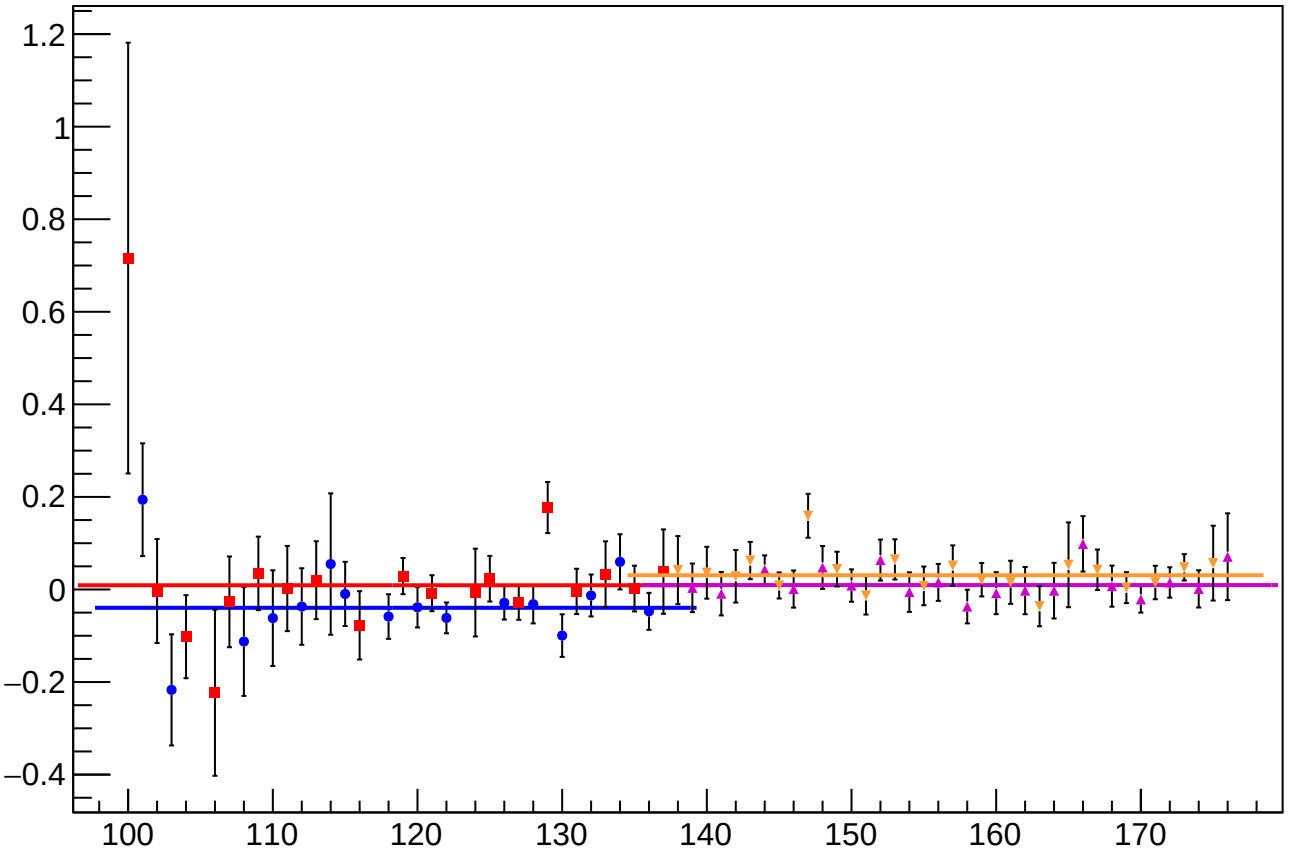
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215687.7/18

+ sign 34.052+/-0.005 χ^2/NDF: 4206539.9/35

All: 34.729+/-0.004 χ^2/NDF: 7301276.1/73

- sign 35.461+/-0.006 χ^2/NDF: 3061750.7/37



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

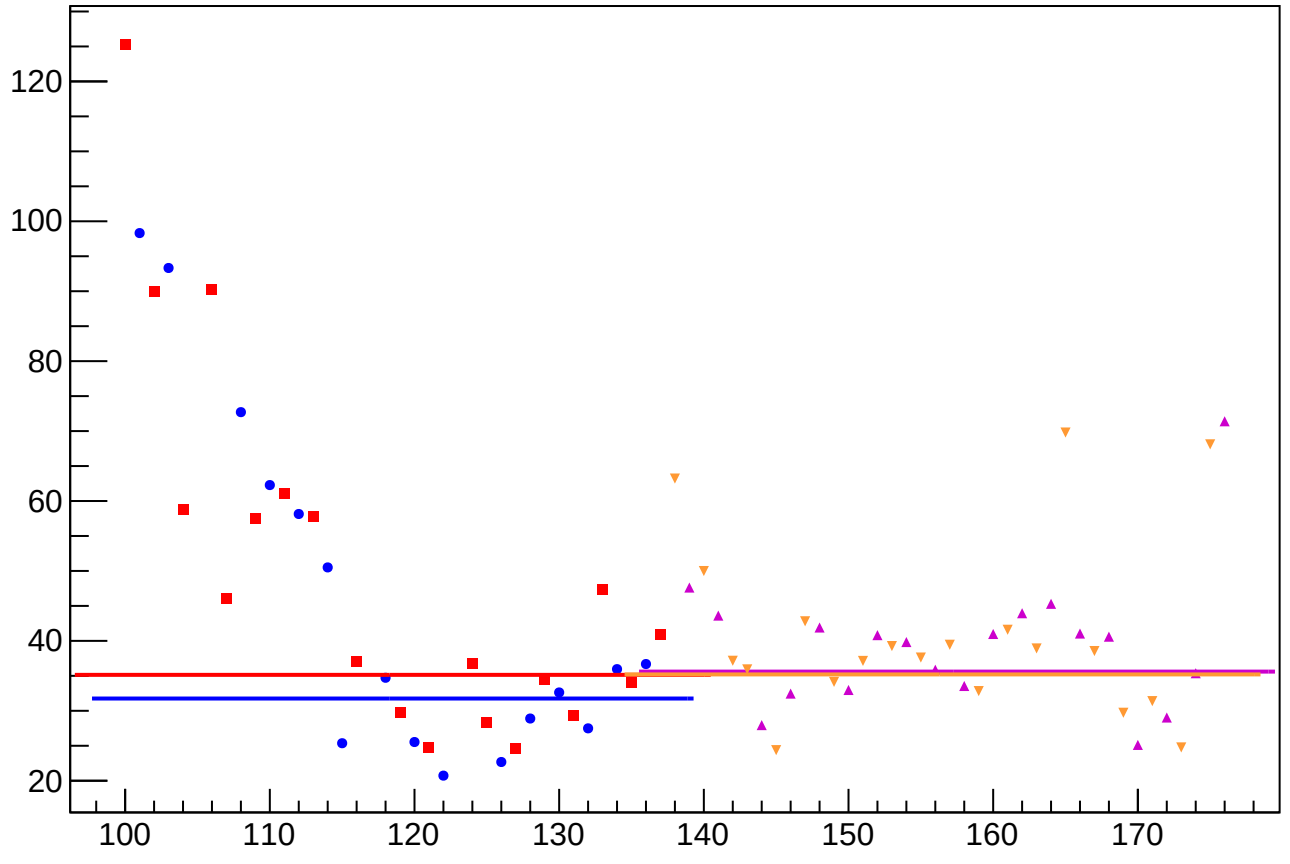
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:9.4/18

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/35

All: 0.008+/-0.005 χ^2/NDF: 74.2/73

- sign 0.009+/-0.008 χ^2/NDF: 27.7/37



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.204+/-0.007 χ^2/NDF:1862766.3/19

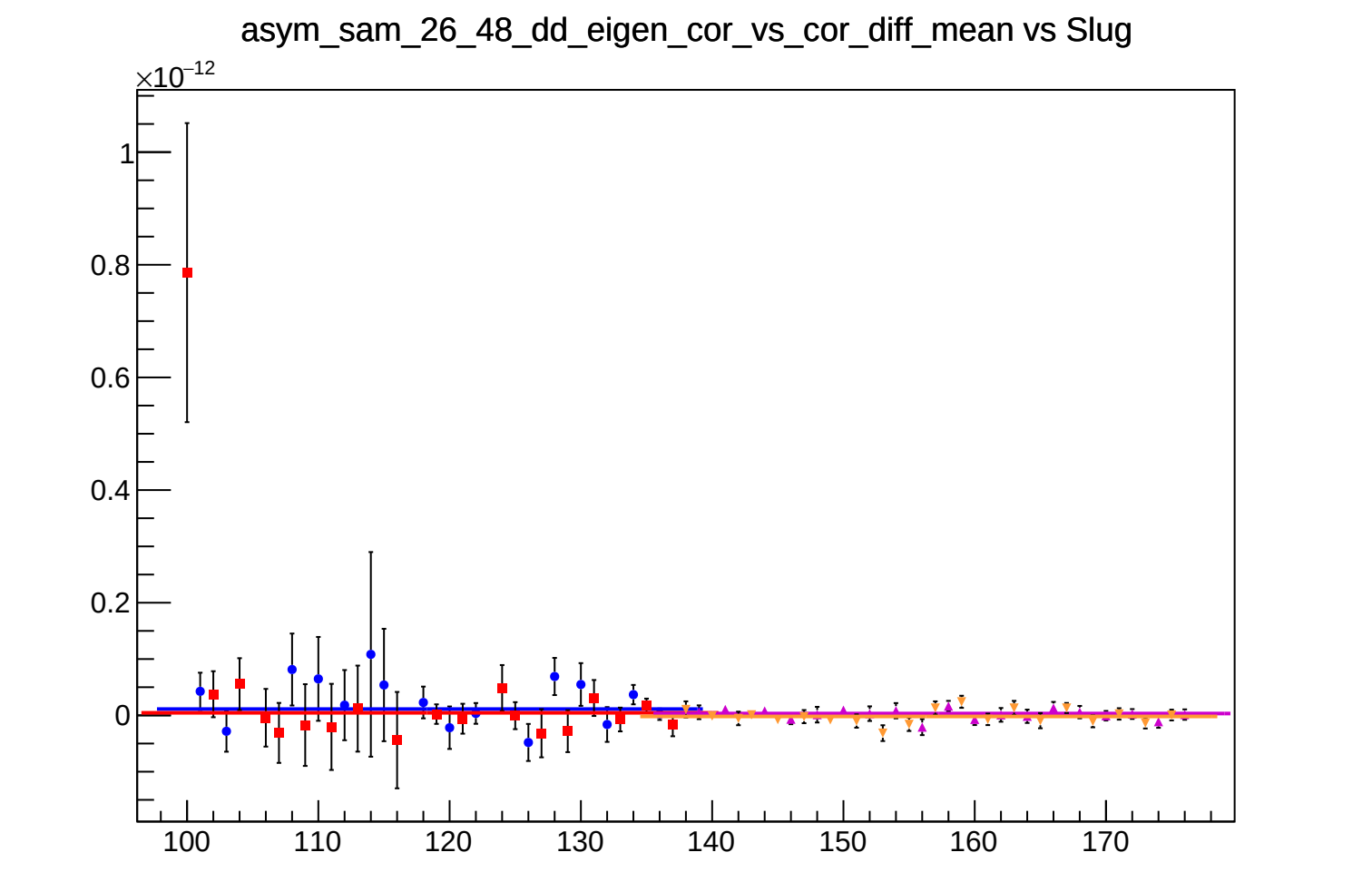
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215687.7/18

+ sign 34.052+/-0.005 χ^2/NDF: 4206539.9/35

All: 34.729+/-0.004 χ^2/NDF: 7301276.1/73

- sign 35.461+/-0.006 χ^2/NDF: 3061750.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/19

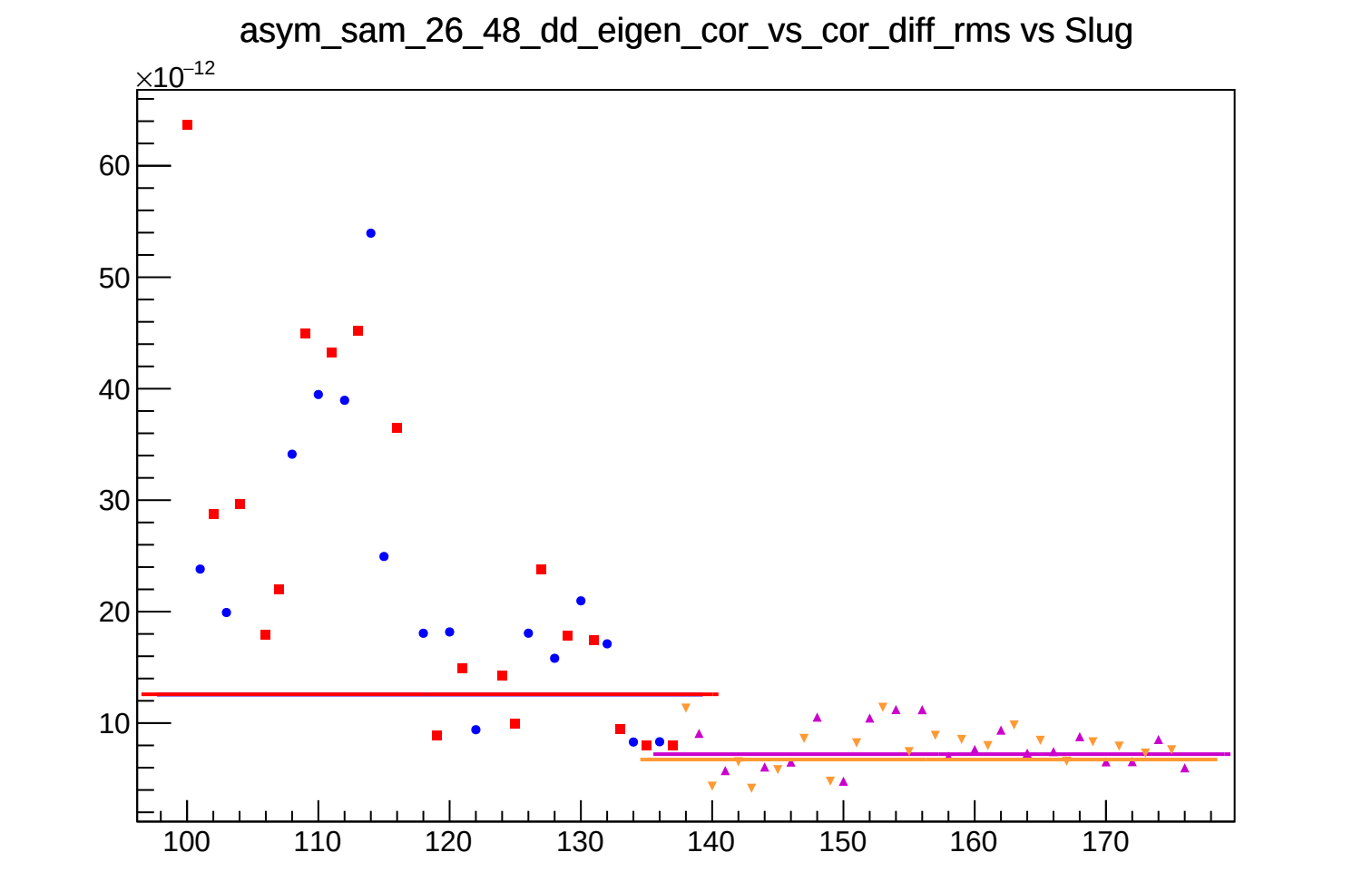
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/35

All: 0.000+/-0.000 χ^2/NDF: 75.7/73

- sign 0.000+/-0.000 χ^2/NDF: 30.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1758237.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

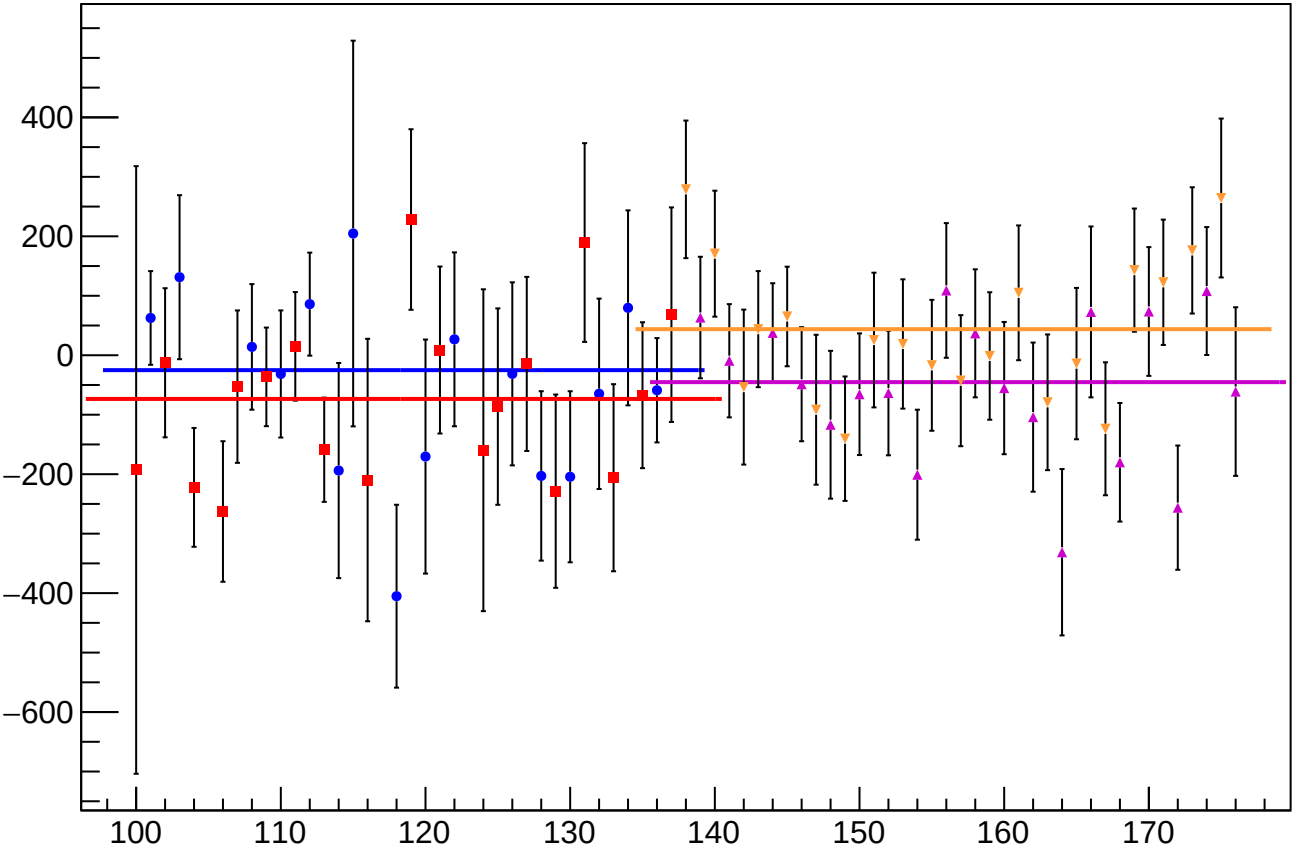
Left In: 0.000+/-0.000 χ^2/NDF:1170611.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 5397256.5/35

All: 0.000+/-0.000 χ^2/NDF: 10534413.9/73

- sign 0.000+/-0.000 χ^2/NDF: 5087998.6/37

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.867+/-24.517 χ^2/NDF:21.3/19

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

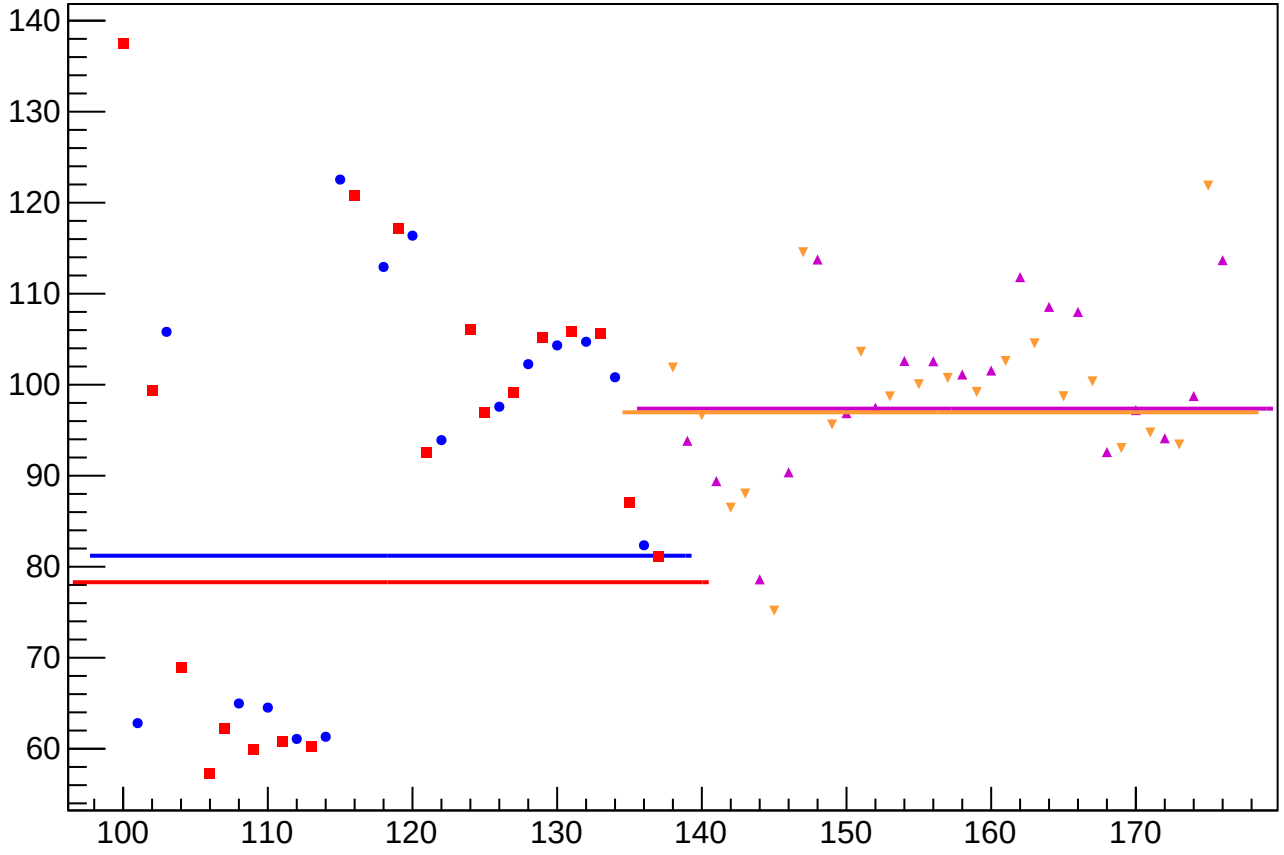
Left In: -45.229+/-24.878 χ^2/NDF:21.4/18

+ sign 17.580+/-19.284 χ^2/NDF: 40.5/35

All: -19.883+/-13.582 χ^2/NDF: 86.7/73

- sign -56.761+/-19.133 χ^2/NDF: 38.7/37

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.969+/-0.017 χ^2/NDF:311772.7/19

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

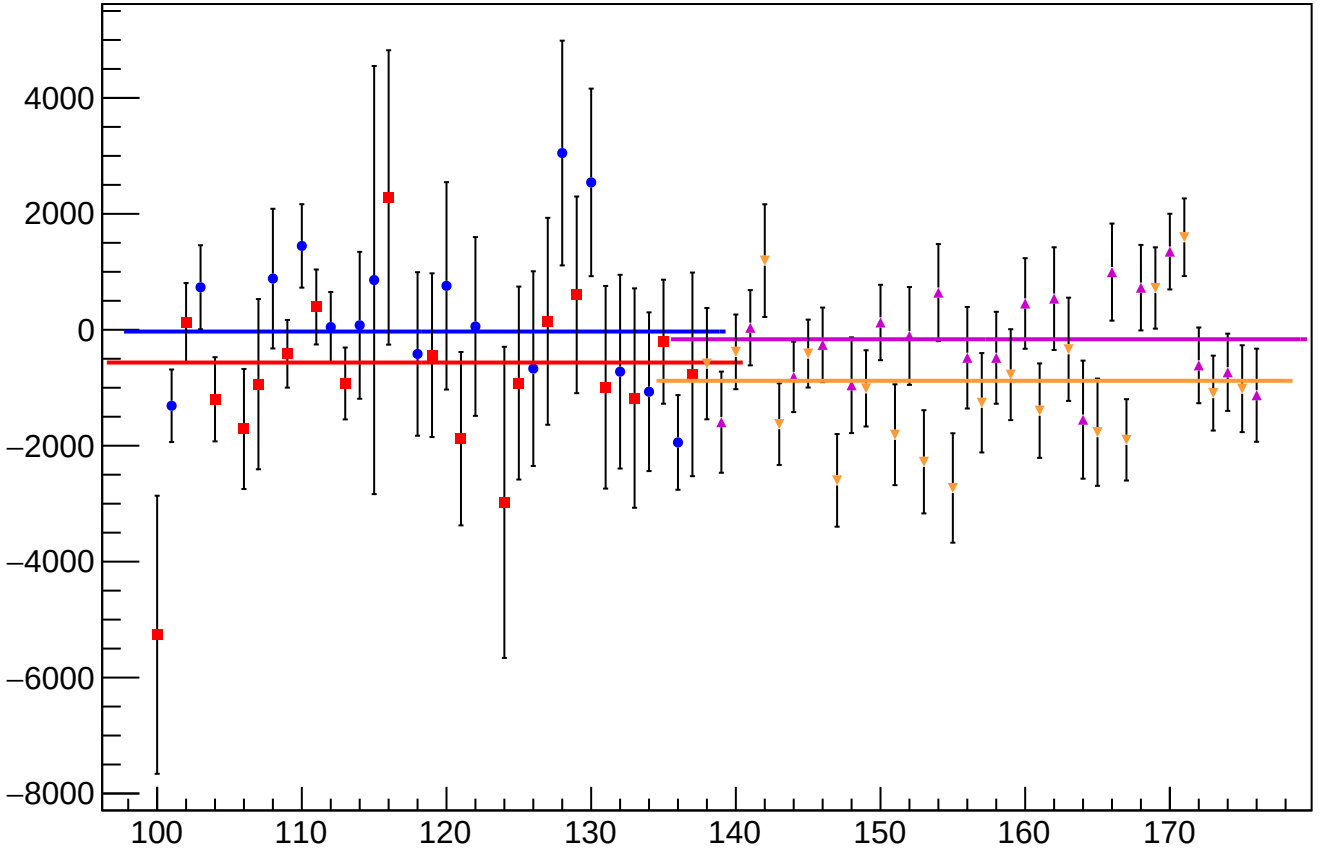
Left In: 97.372+/-0.018 χ^2/NDF:260718.4/18

+ sign 90.960+/-0.014 χ^2/NDF: 1414561.1/35

All: 90.264+/-0.010 χ^2/NDF: 3095389.7/73

- sign 89.580+/-0.014 χ^2/NDF: 1675663.5/37

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -879.814+/-170.355 χ^2/NDF:42.2/19

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

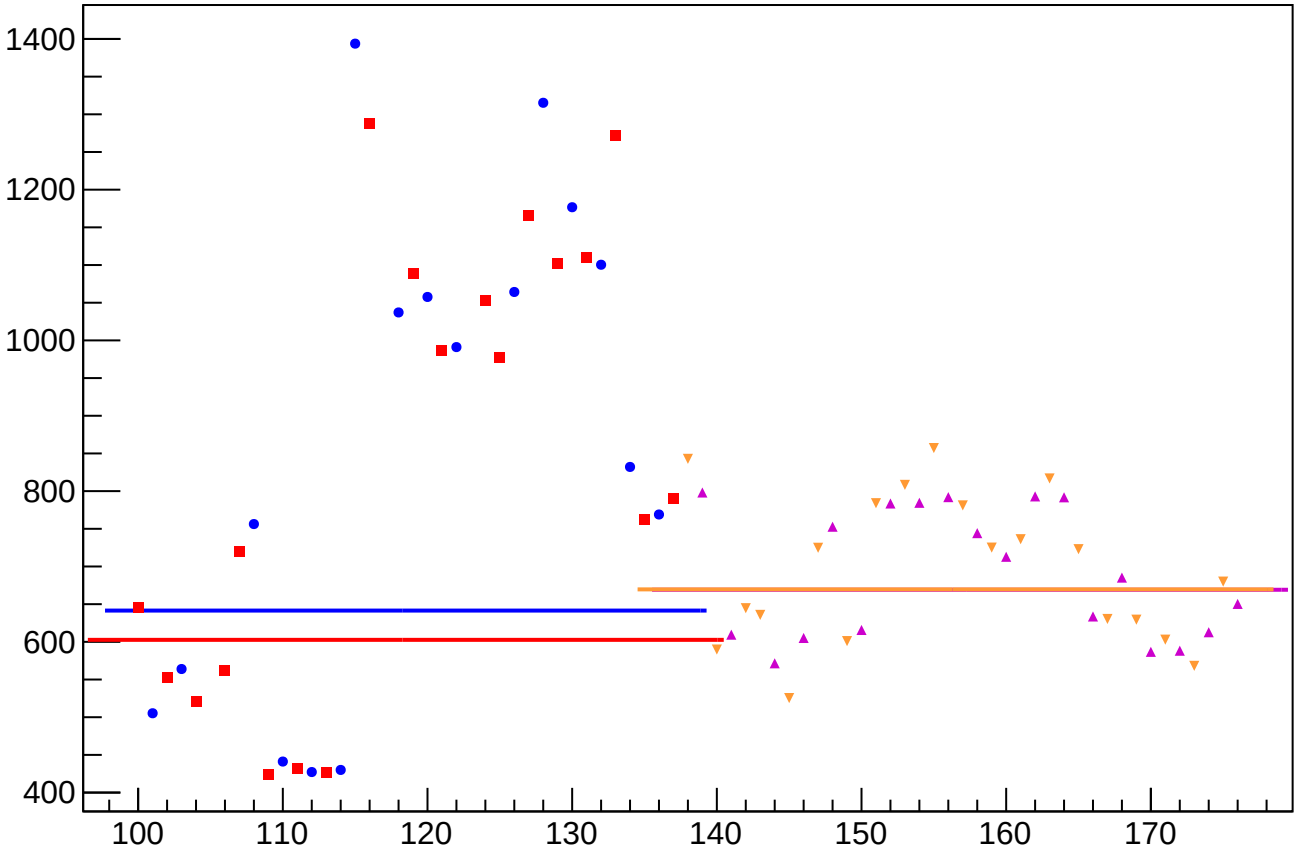
Left In: -163.470+/-171.515 χ^2/NDF:20.8/18

+ sign -620.524+/-141.993 χ^2/NDF: 71.6/35

All: -457.289+/-99.419 χ^2/NDF: 110.2/73

- sign -300.310+/-139.245 χ^2/NDF: 35.9/37

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 669.619+/-0.120 χ^2/NDF:617188.4/19

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

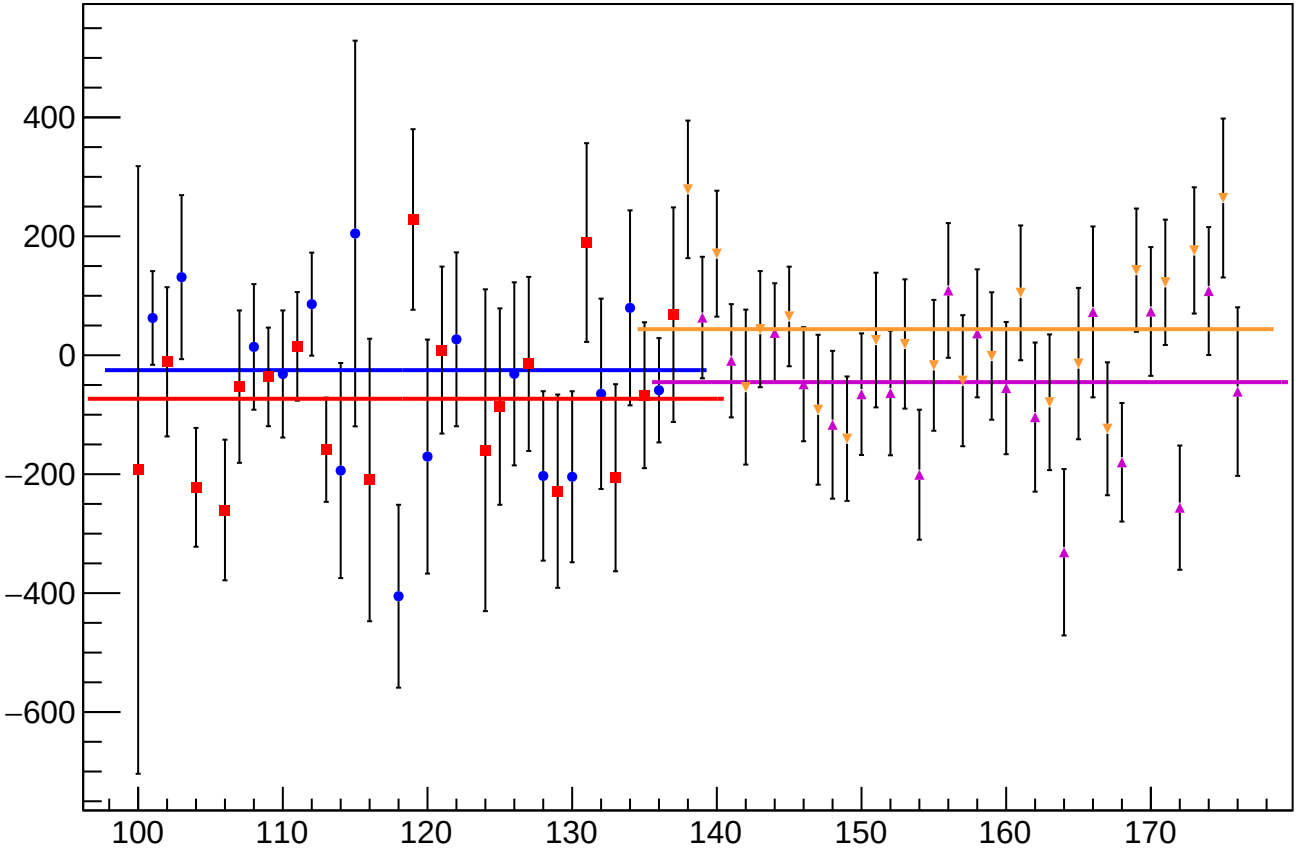
Left In: 669.111+/-0.121 χ^2/NDF:454867.3/18

+ sign 661.035+/-0.100 χ^2/NDF: 2508815.1/35

All: 653.603+/-0.070 χ^2/NDF: 5147096.2/73

- sign 646.456+/-0.098 χ^2/NDF: 2627533.1/37

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.870+/-24.517 χ^2/NDF:21.3/19

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

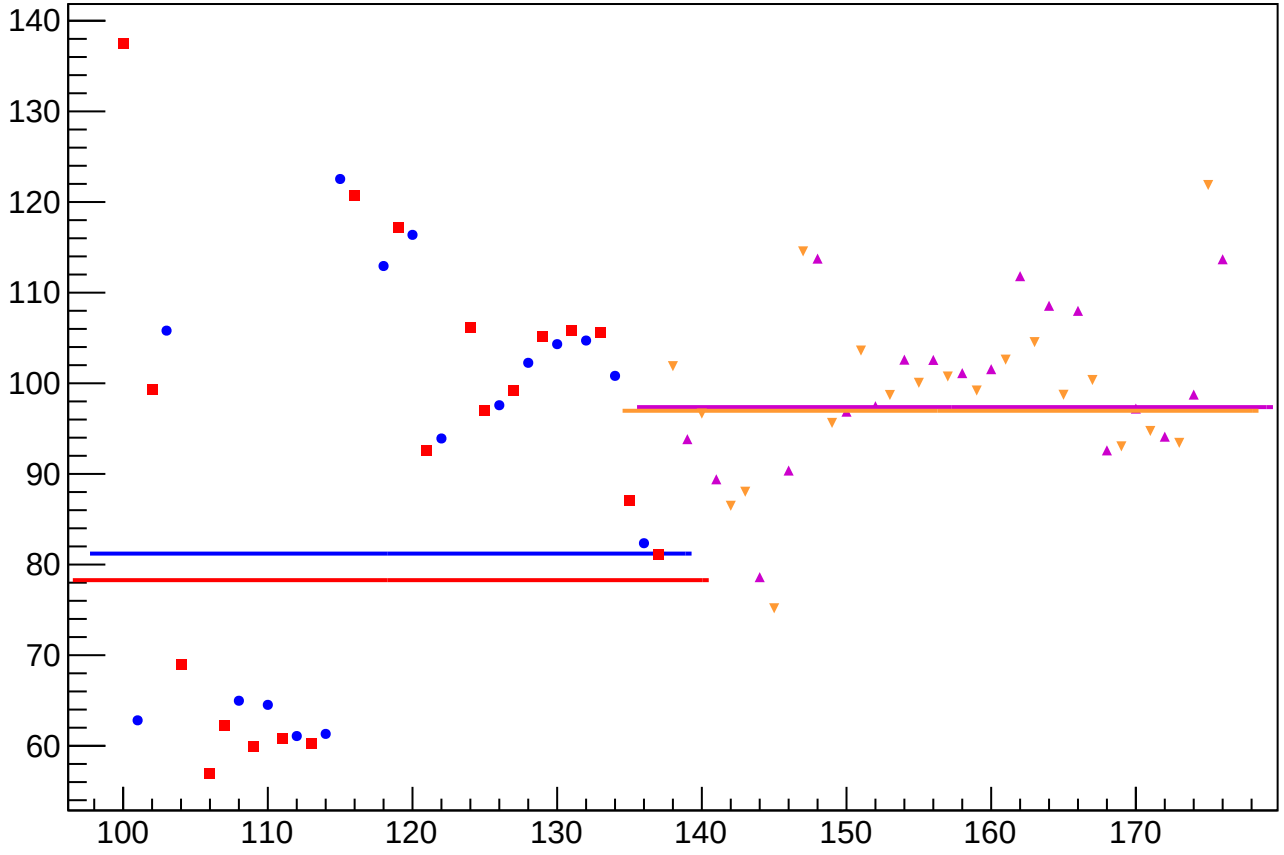
Left In: -45.229+/-24.878 χ^2/NDF:21.4/18

+ sign 17.581+/-19.284 χ^2/NDF: 40.5/35

All: -19.827+/-13.582 χ^2/NDF: 86.6/73

- sign -56.652+/-19.134 χ^2/NDF: 38.6/37

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.969+/-0.017 χ^2/NDF:311772.6/19

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

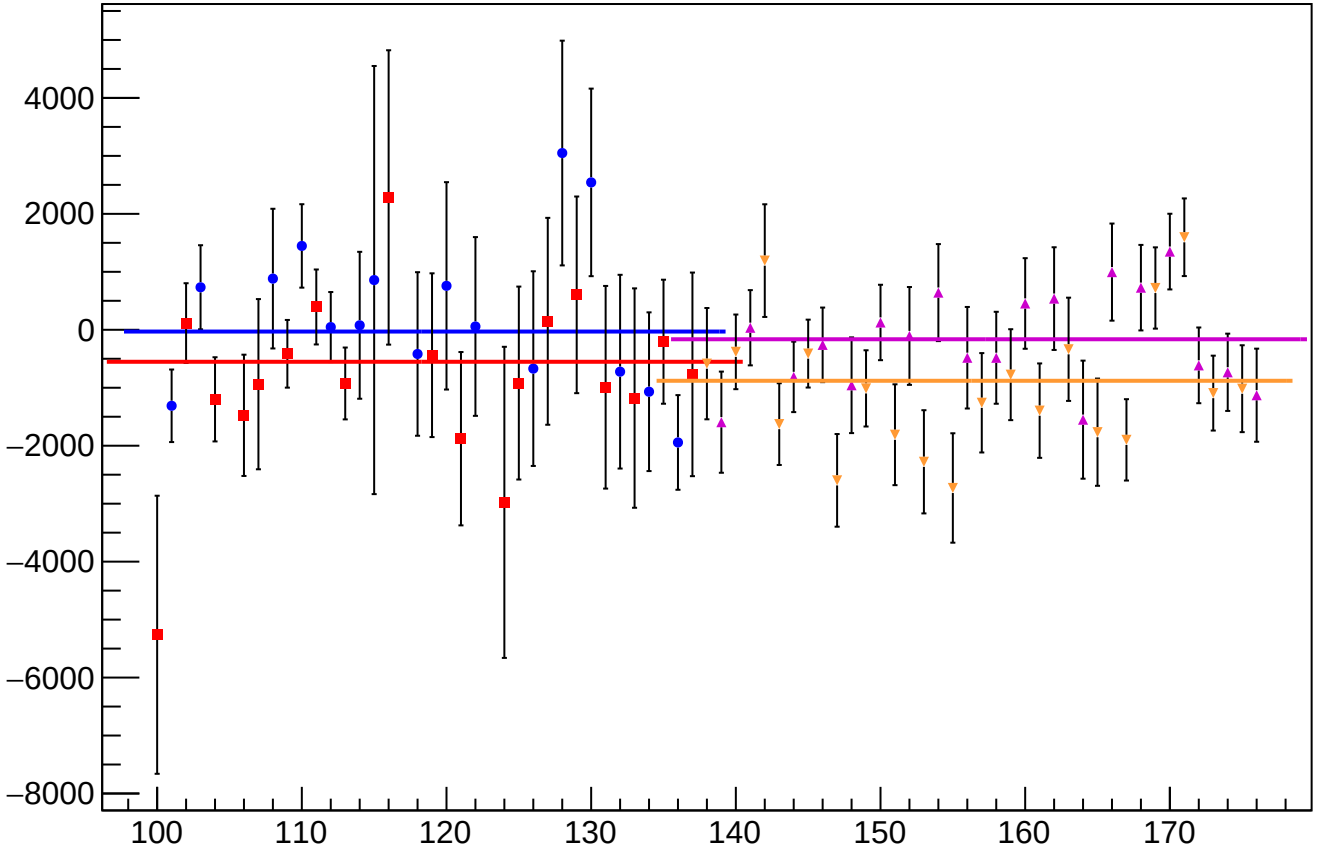
Left In: 97.372+/-0.018 χ^2/NDF:260718.4/18

+ sign 90.960+/-0.014 χ^2/NDF: 1414562.6/35

All: 90.261+/-0.010 χ^2/NDF: 3098487.0/73

- sign 89.573+/-0.014 χ^2/NDF: 1678706.3/37

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -879.811+/-170.355 χ^2/NDF:42.2/19

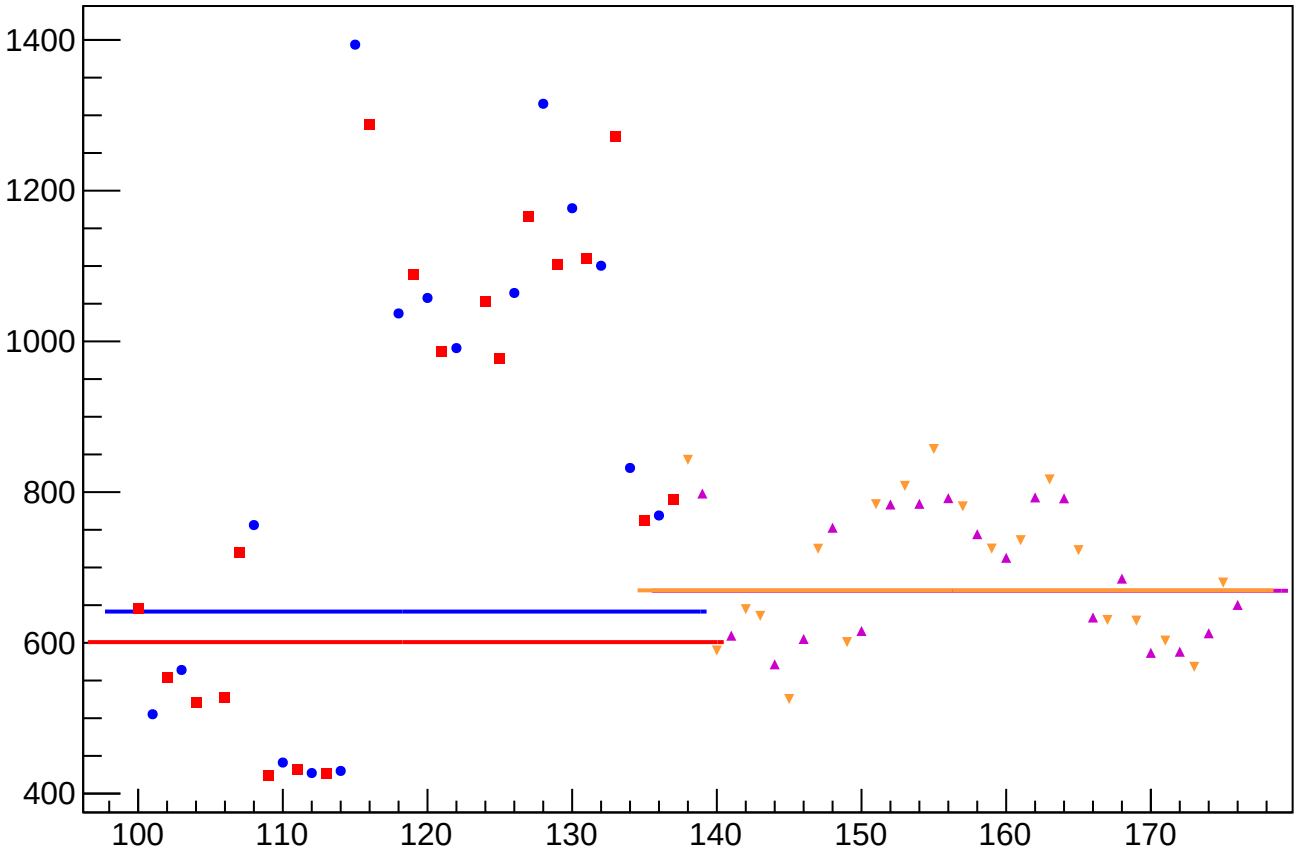
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -163.473+/-171.515 χ^2/NDF:20.8/18

+ sign -620.534+/-141.993 χ^2/NDF: 71.6/35

All: -455.024+/-99.429 χ^2/NDF: 109.6/73

- sign -295.791+/-139.275 χ^2/NDF: 35.3/37



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 669.619+/-0.120 χ^2/NDF:617188.4/19

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

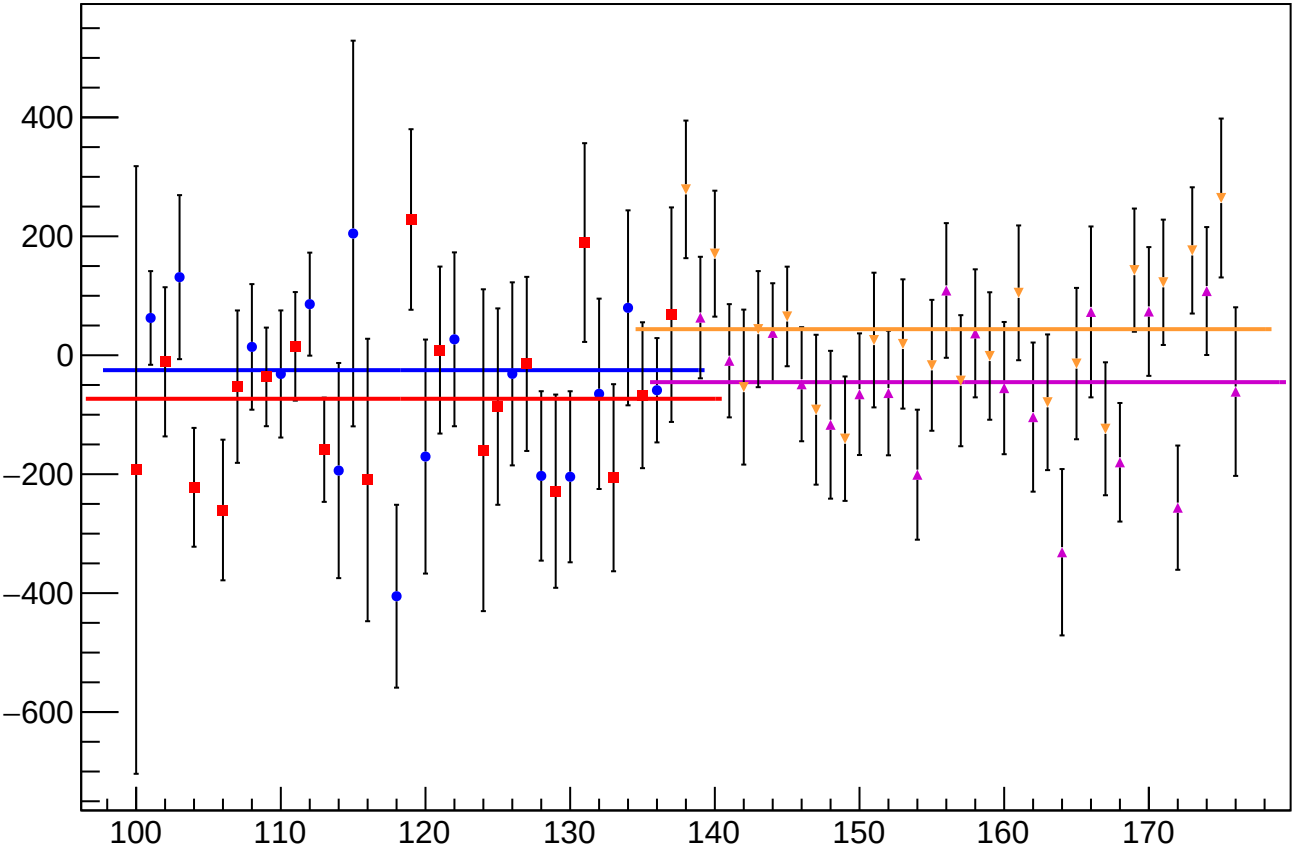
Left In: 669.111+/-0.121 χ^2/NDF:454867.6/18

+ sign 661.038+/-0.100 χ^2/NDF: 2508763.5/35

All: 653.324+/-0.070 χ^2/NDF: 5159949.6/73

- sign 645.903+/-0.098 χ^2/NDF: 2639605.2/37

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.870+/-24.517 χ^2/NDF:21.3/19

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

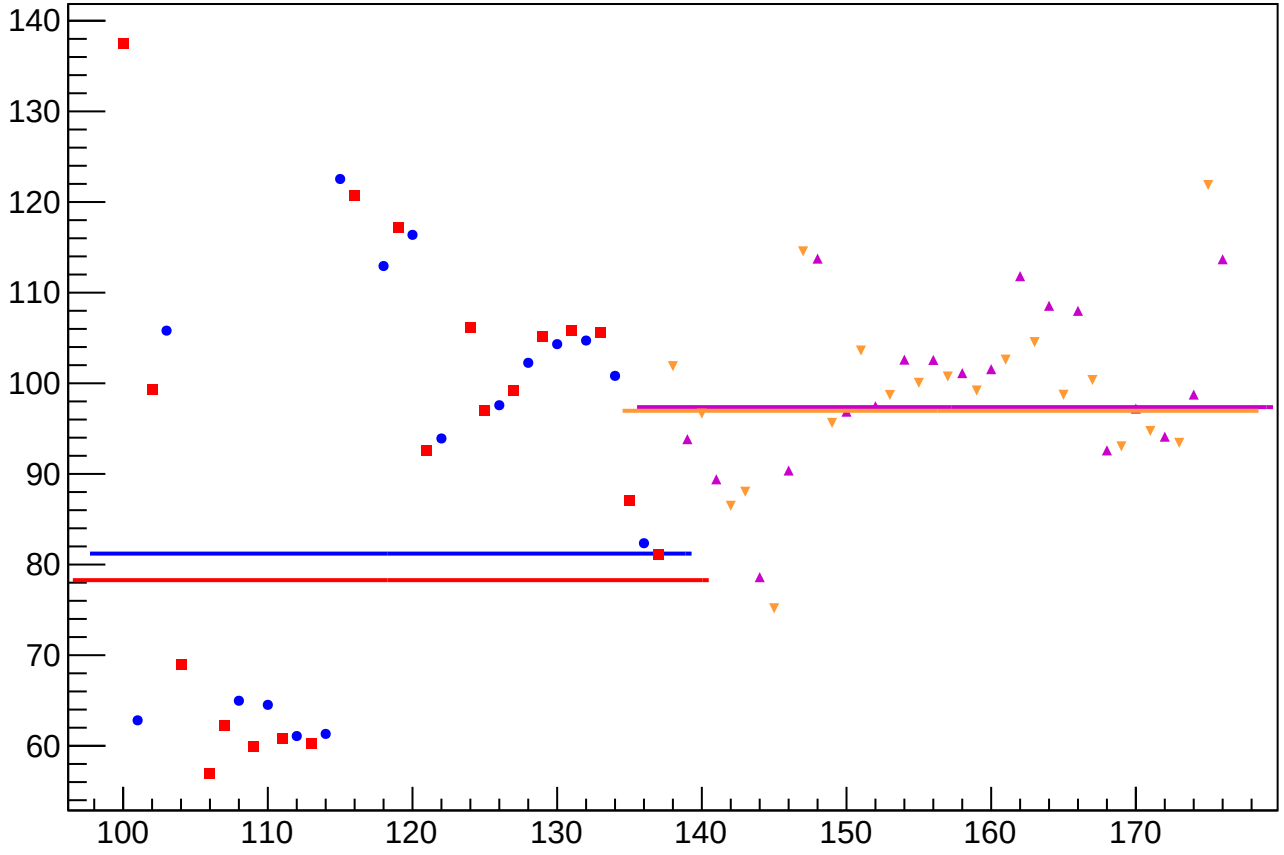
Left In: -45.229+/-24.878 χ^2/NDF:21.4/18

+ sign 17.581+/-19.284 χ^2/NDF: 40.5/35

All: -19.827+/-13.582 χ^2/NDF: 86.6/73

- sign -56.652+/-19.134 χ^2/NDF: 38.6/37

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.969+/-0.017 χ^2/NDF:311772.6/19

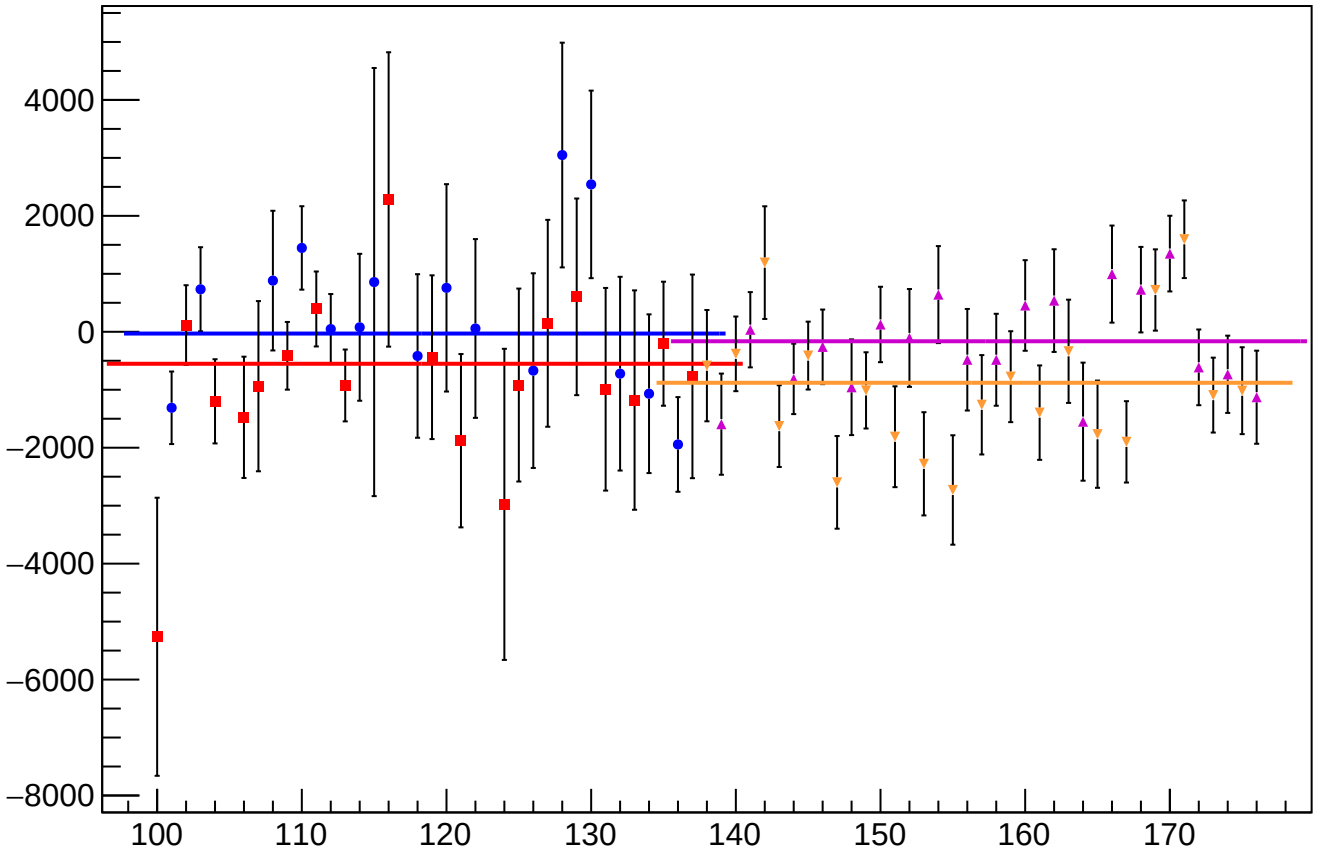
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 97.372+/-0.018 χ^2/NDF:260718.4/18

+ sign 90.960+/-0.014 χ^2/NDF: 1414562.6/35

All: 90.261+/-0.010 χ^2/NDF: 3098487.0/73

- sign 89.573+/-0.014 χ^2/NDF: 1678706.3/37



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -879.811+/-170.355 χ^2/NDF:42.2/19

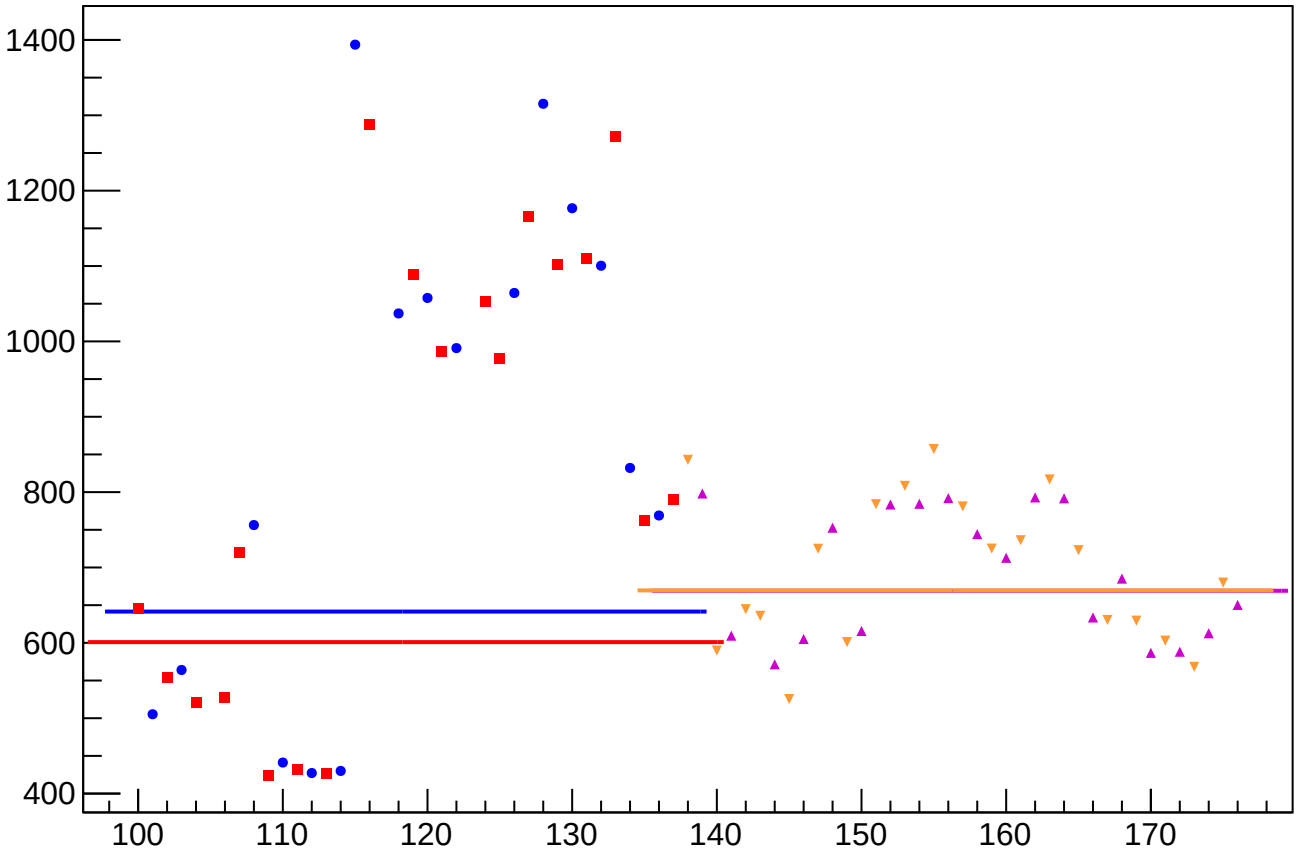
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -163.473+/-171.515 χ^2/NDF:20.8/18

\+ sign -620.534+/-141.993 χ^2/NDF: 71.6/35

All: -455.024+/-99.429 χ^2/NDF: 109.6/73

\- sign -295.791+/-139.275 χ^2/NDF: 35.3/37



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 669.619+/-0.120 χ^2/NDF:617188.4/19

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

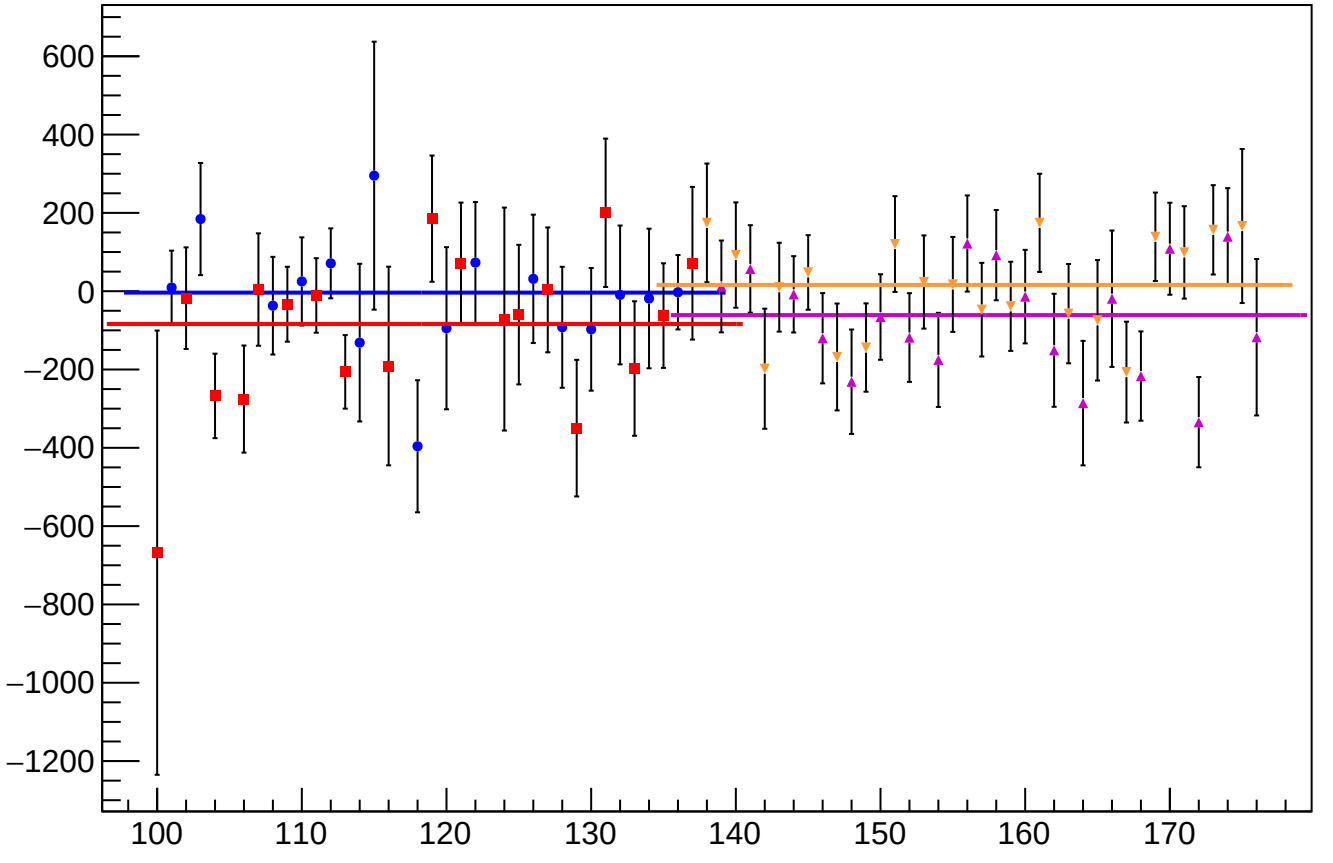
Left In: 669.111+/-0.121 χ^2/NDF:454867.6/18

+ sign 661.038+/-0.100 χ^2/NDF: 2508763.5/35

All: 653.324+/-0.070 χ^2/NDF: 5159949.6/73

- sign 645.903+/-0.098 χ^2/NDF: 2639605.2/37

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 16.102+/-27.787 χ^2/NDF:17.6/19

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

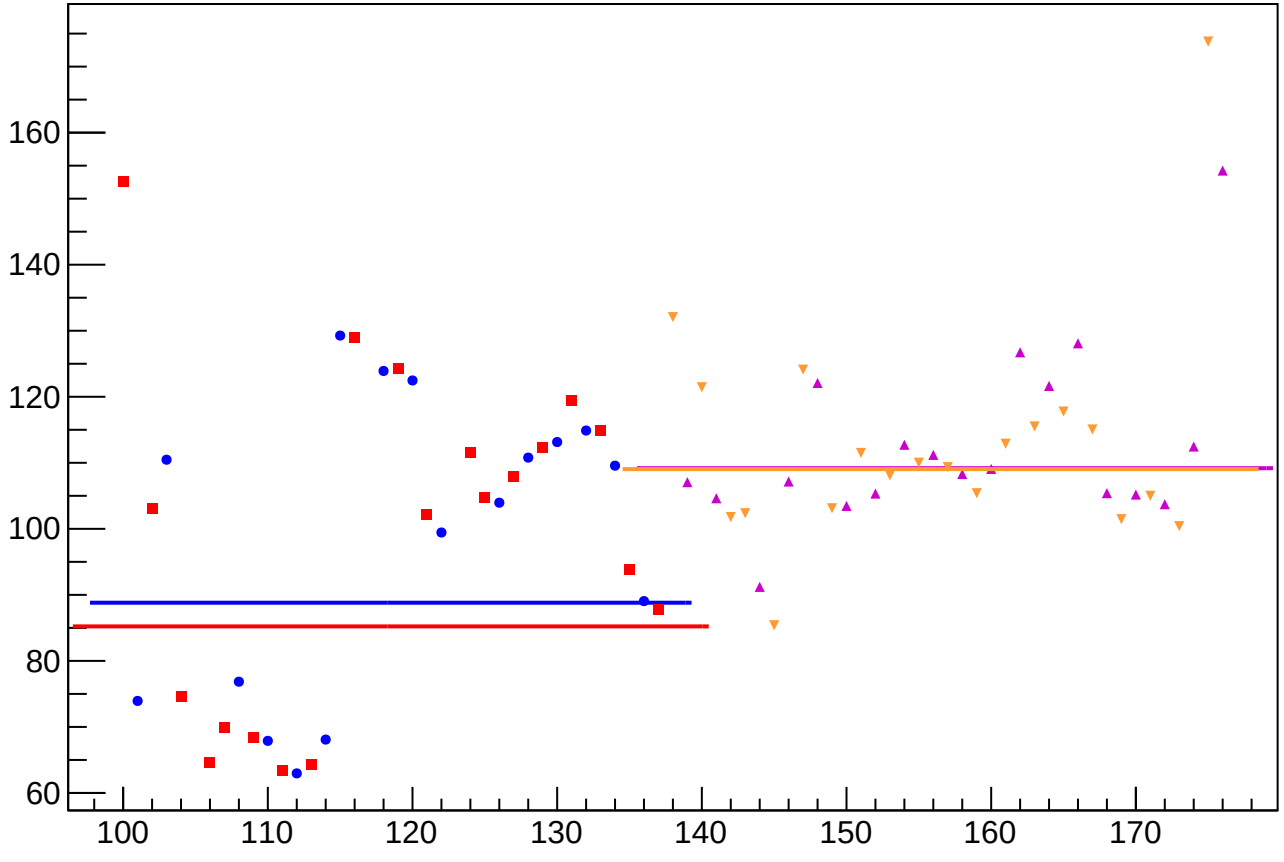
Left In: -61.018+/-28.087 χ^2/NDF:23.7/18

+ sign 8.241+/-21.554 χ^2/NDF: 28.1/35

All: -31.700+/-15.146 χ^2/NDF: 78.0/73

- sign -70.660+/-21.288 χ^2/NDF: 43.0/37

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 109.045+/-0.020 χ^2/NDF:488004.6/19

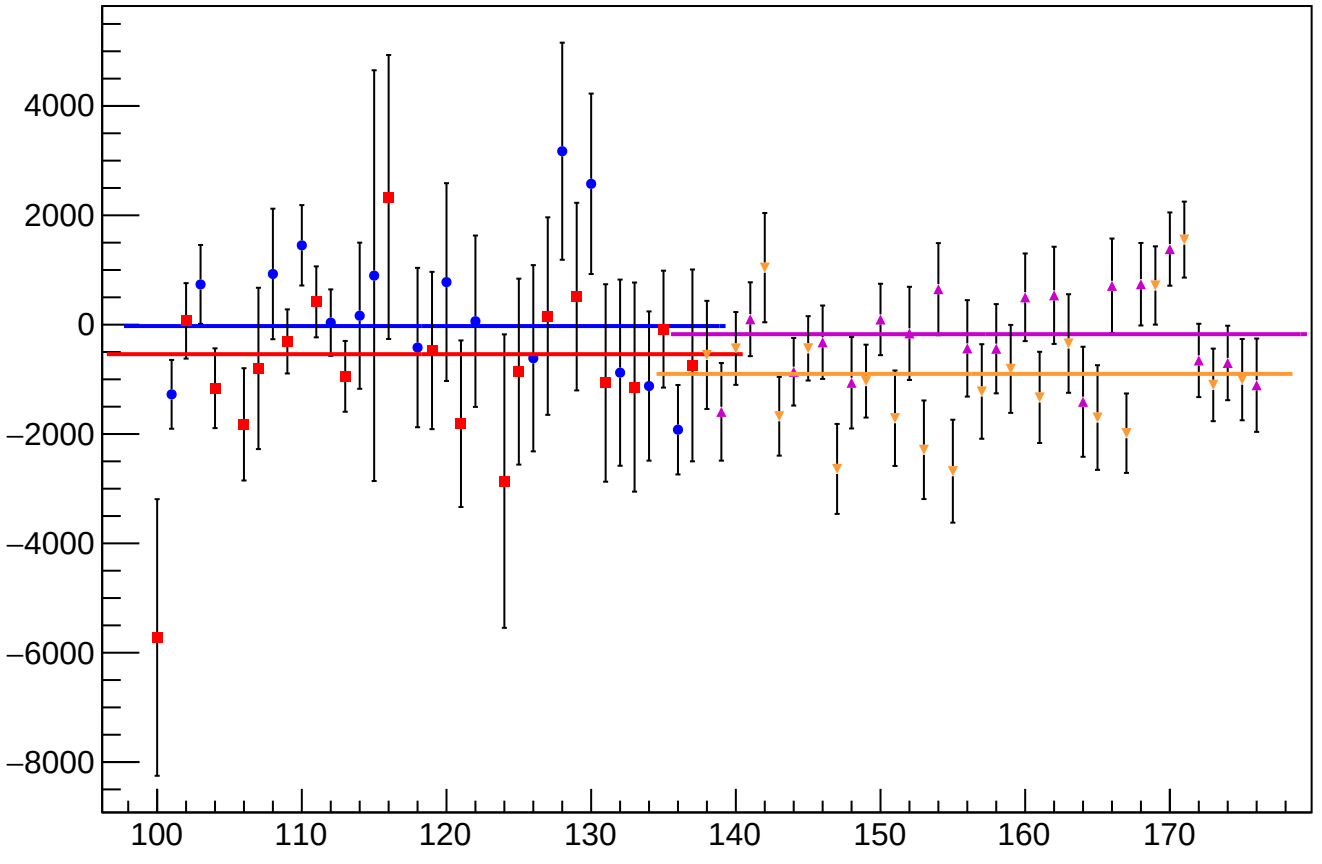
Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 109.185+/-0.020 χ^2/NDF:279137.3/18

+ sign 100.987+/-0.015 χ^2/NDF: 1634917.2/35

All: 99.975+/-0.011 χ^2/NDF: 3426200.7/73

- sign 98.988+/-0.015 χ^2/NDF: 1782582.5/37



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -900.243+/-173.737 χ^2/NDF:38.9/19

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

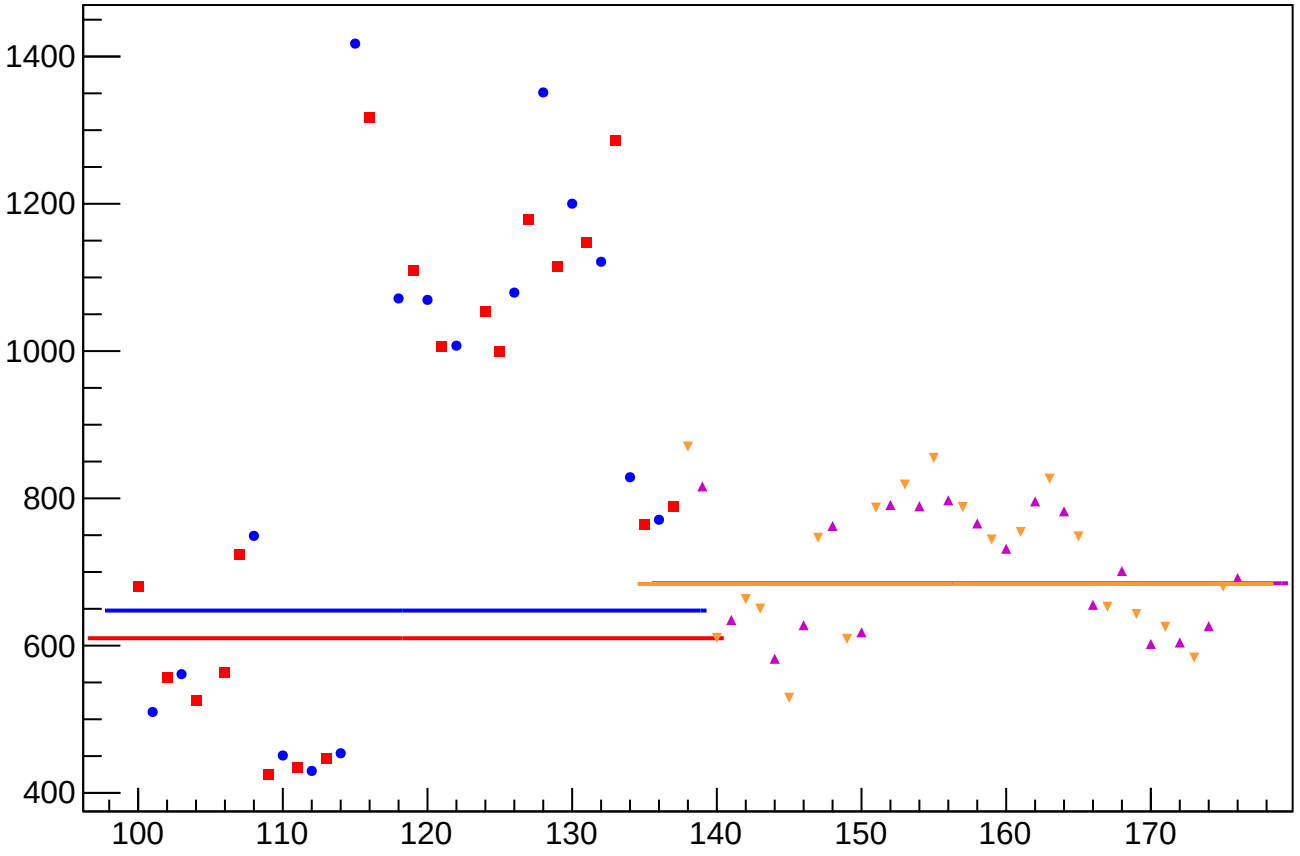
Left In: -173.982+/-175.376 χ^2/NDF:19.5/18

\+ sign -629.447+/-144.351 χ^2/NDF: 68.3/35

All: -462.057+/-101.177 χ^2/NDF: 105.6/73

\- sign -300.412+/-141.852 χ^2/NDF: 34.6/37

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 683.833+/-0.123 χ^2/NDF:598038.8/19

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

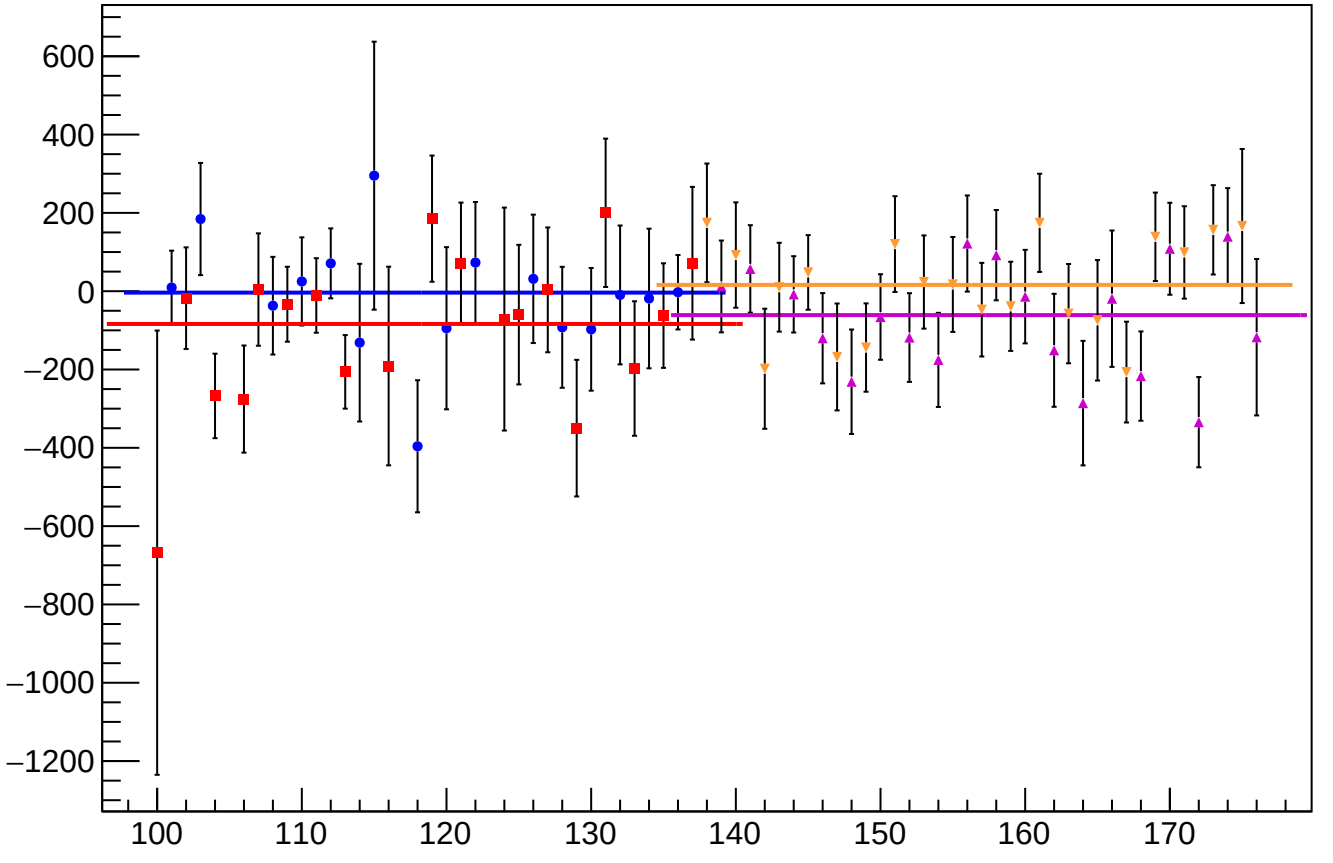
Left In: 684.712+/-0.124 χ^2/NDF:410413.6/18

+ sign 672.625+/-0.102 χ^2/NDF: 2512731.4/35

All: 665.643+/-0.072 χ^2/NDF: 5131890.8/73

- sign 658.900+/-0.100 χ^2/NDF: 2609961.3/37

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 16.104+/-27.787 χ^2/NDF:17.6/19

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

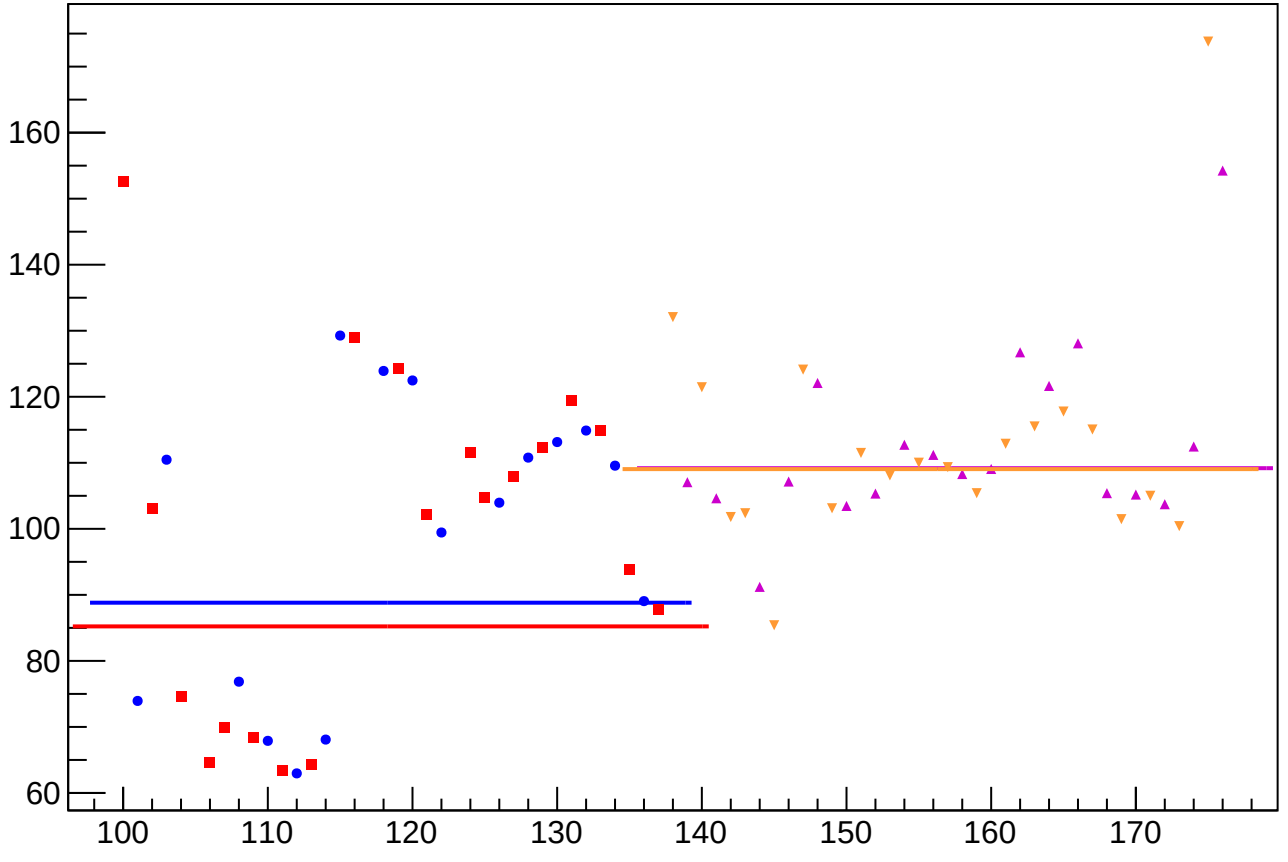
Left In: -61.017+/-28.087 χ^2/NDF:23.7/18

+ sign 8.242+/-21.554 χ^2/NDF: 28.1/35

All: -31.699+/-15.146 χ^2/NDF: 78.0/73

- sign -70.660+/-21.288 χ^2/NDF: 43.0/37

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 109.045+/-0.020 χ^2/NDF:488001.9/19

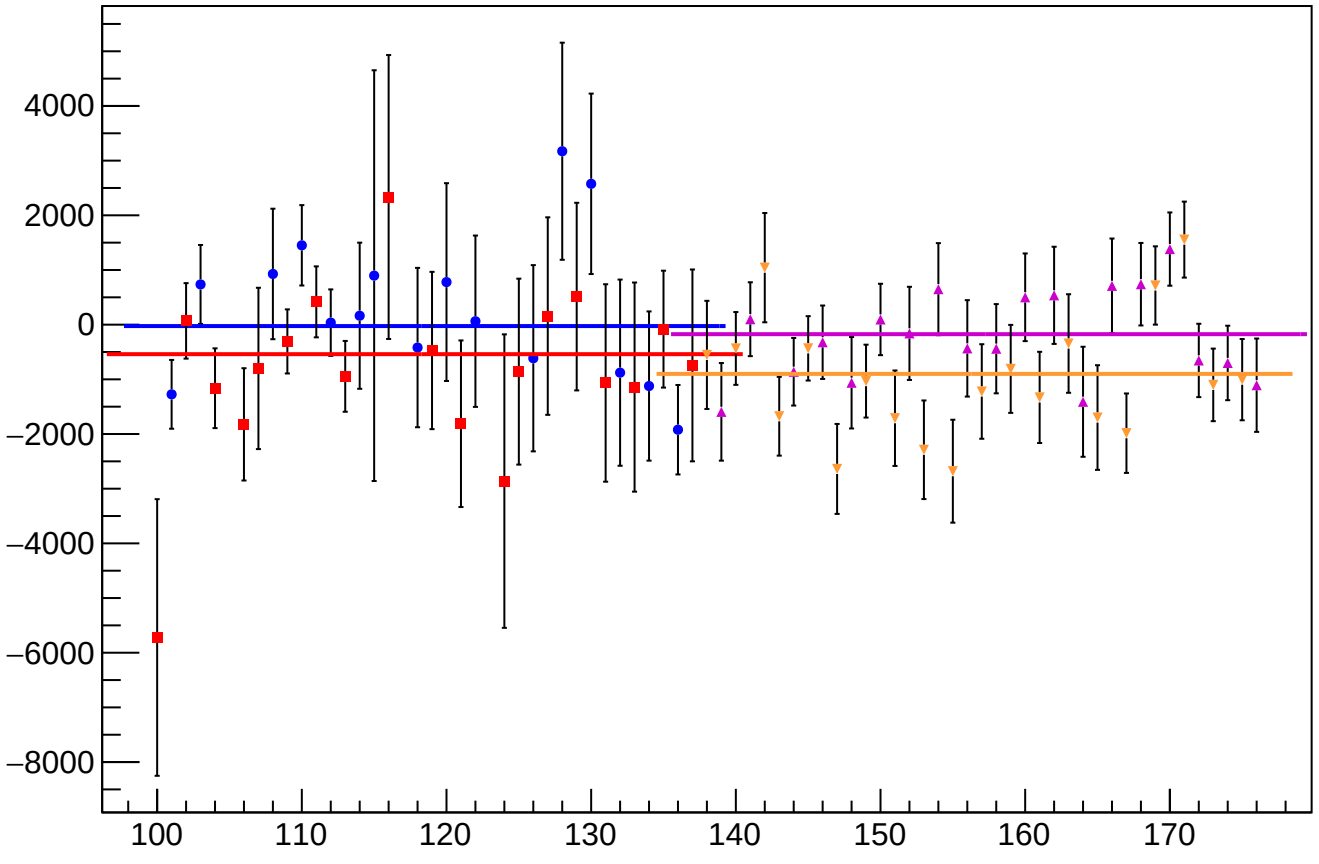
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 109.185+/-0.020 χ^2/NDF:279129.5/18

+ sign 100.987+/-0.015 χ^2/NDF: 1634921.8/35

All: 99.975+/-0.011 χ^2/NDF: 3426209.5/73

- sign 98.989+/-0.015 χ^2/NDF: 1782586.6/37



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -900.241+/-173.736 χ^2/NDF:38.9/19

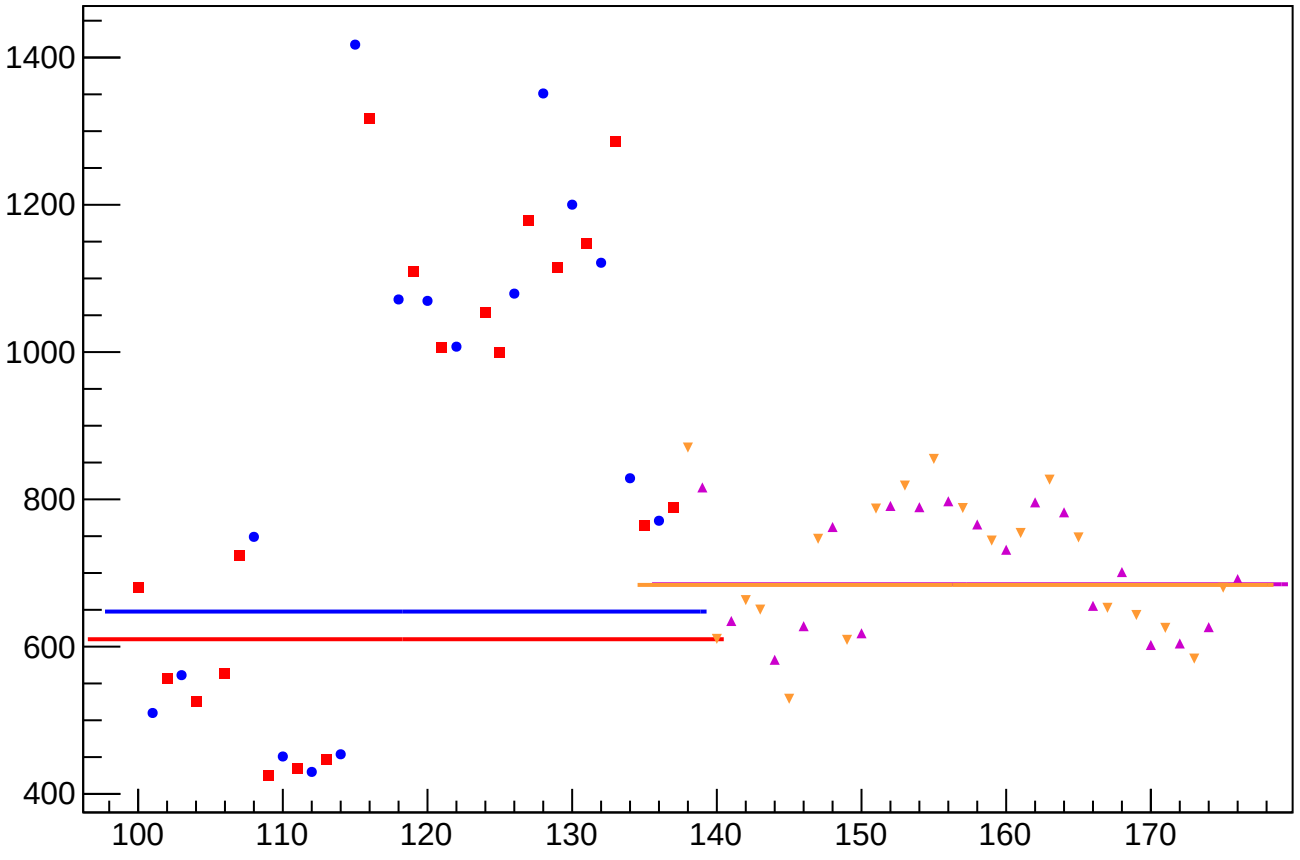
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -173.981+/-175.376 χ^2/NDF:19.5/18

+ sign -629.446+/-144.351 χ^2/NDF: 68.3/35

All: -462.056+/-101.177 χ^2/NDF: 105.6/73

- sign -300.411+/-141.852 χ^2/NDF: 34.6/37



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 683.832+/-0.123 χ^2/NDF:598039.6/19

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

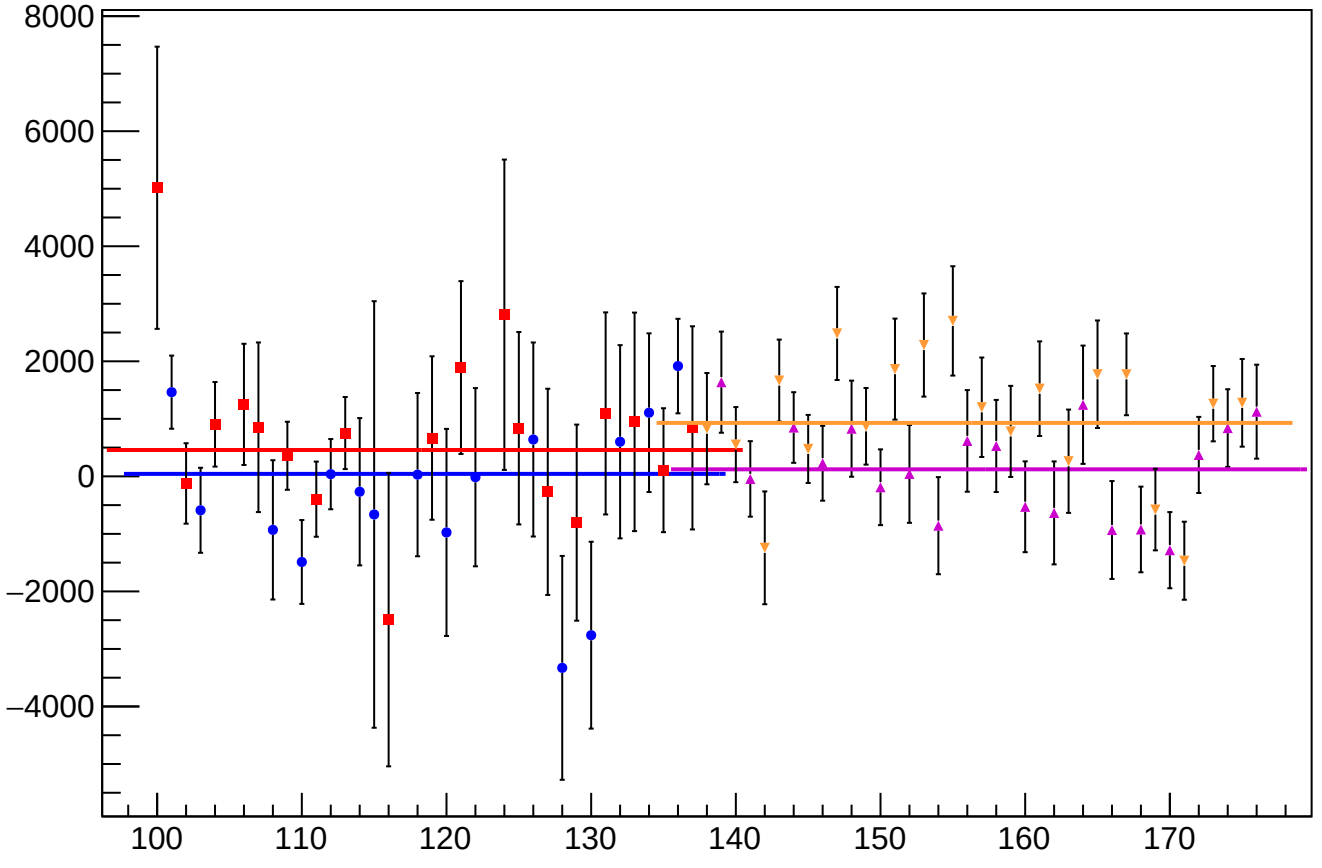
Left In: 684.712+/-0.124 χ^2/NDF:410411.1/18

+ sign 672.625+/-0.102 χ^2/NDF: 2512737.1/35

All: 665.642+/-0.072 χ^2/NDF: 5131897.6/73

- sign 658.900+/-0.100 χ^2/NDF: 2609962.3/37

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 929.343+/-172.242 χ^2/NDF:38.4/19

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

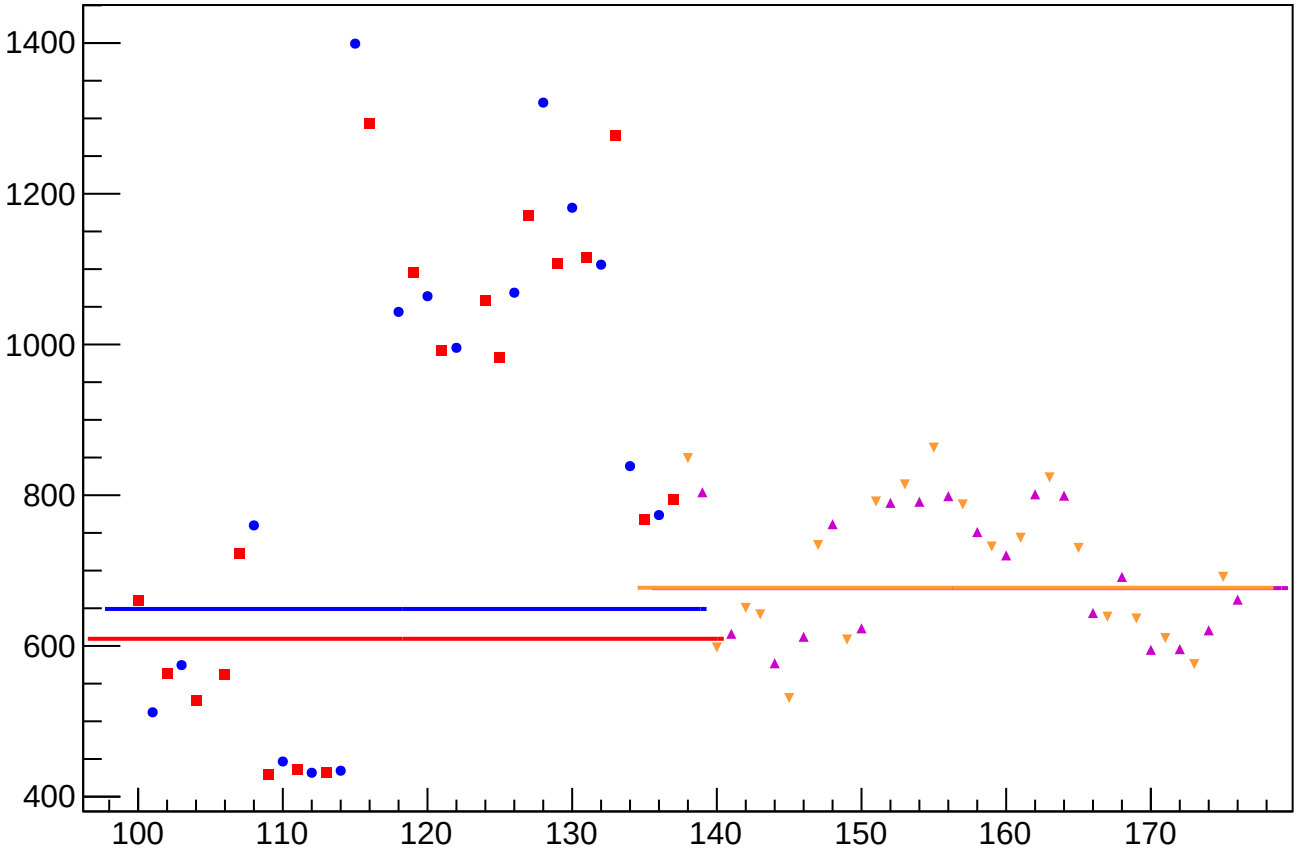
Left In: 122.194+/-173.432 χ^2/NDF:20.7/18

+ sign 658.753+/-143.557 χ^2/NDF: 69.7/35

All: 443.640+/-100.519 χ^2/NDF: 107.4/73

- sign 236.729+/-140.794 χ^2/NDF: 33.2/37

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 677.232+/-0.122 χ^2/NDF:605246.6/19

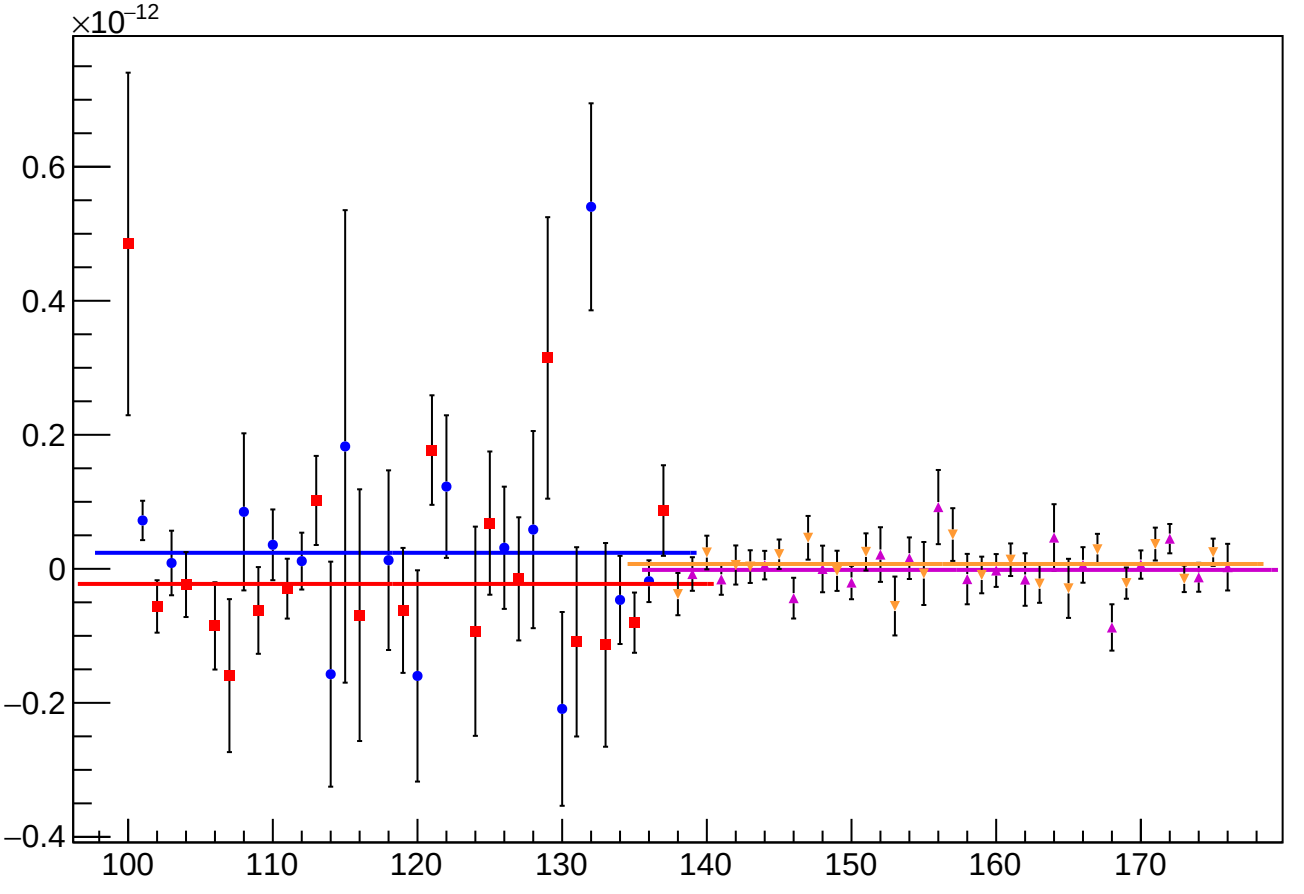
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 676.738+/-0.123 χ^2/NDF:444943.1/18

+ sign 668.639+/-0.102 χ^2/NDF: 2467363.9/35

All: 661.085+/-0.071 χ^2/NDF: 5069211.6/73

- sign 653.818+/-0.100 χ^2/NDF: 2590980.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.3/19

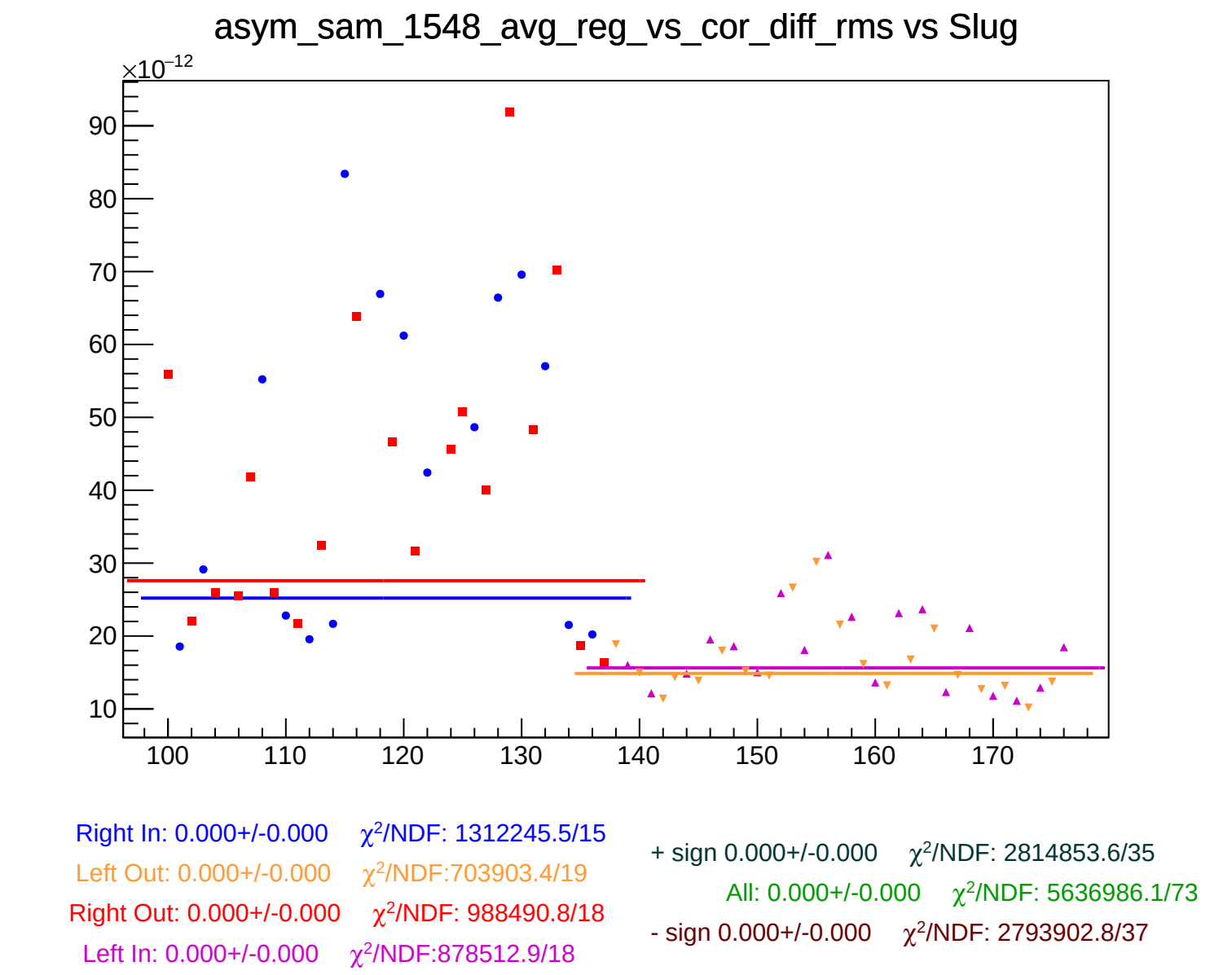
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:19.0/18

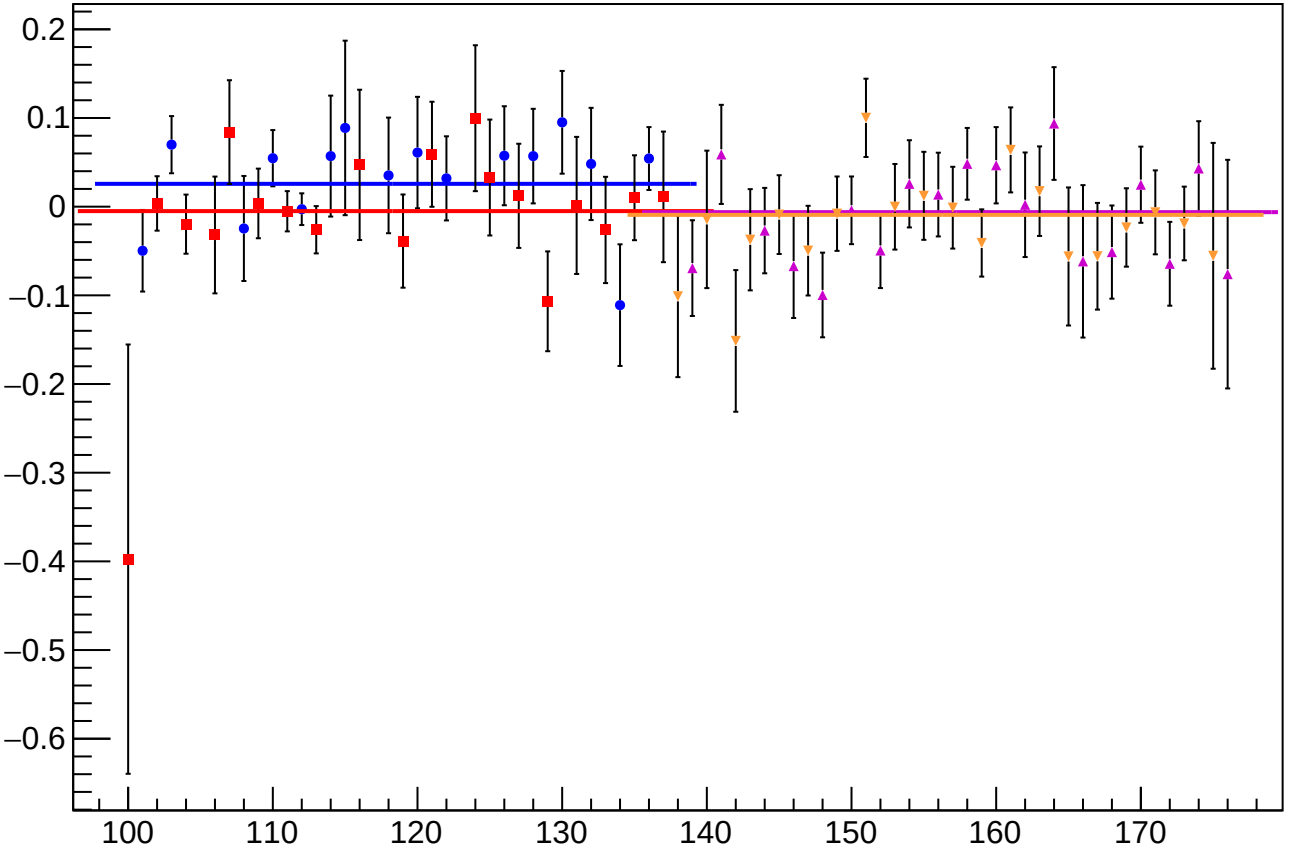
+ sign 0.000+/-0.000 χ^2/NDF: 41.0/35

All: 0.000+/-0.000 χ^2/NDF: 90.0/73

- sign -0.000+/-0.000 χ^2/NDF: 46.1/37


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
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:703903.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:878512.9/18
+ sign 0.000+/-0.000 χ²/NDF: 2814853.6/35
All: 0.000+/-0.000 χ²/NDF: 5636986.1/73
- sign 0.000+/-0.000 χ²/NDF: 2793902.8/37

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.011 χ^2/NDF:16.0/19

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

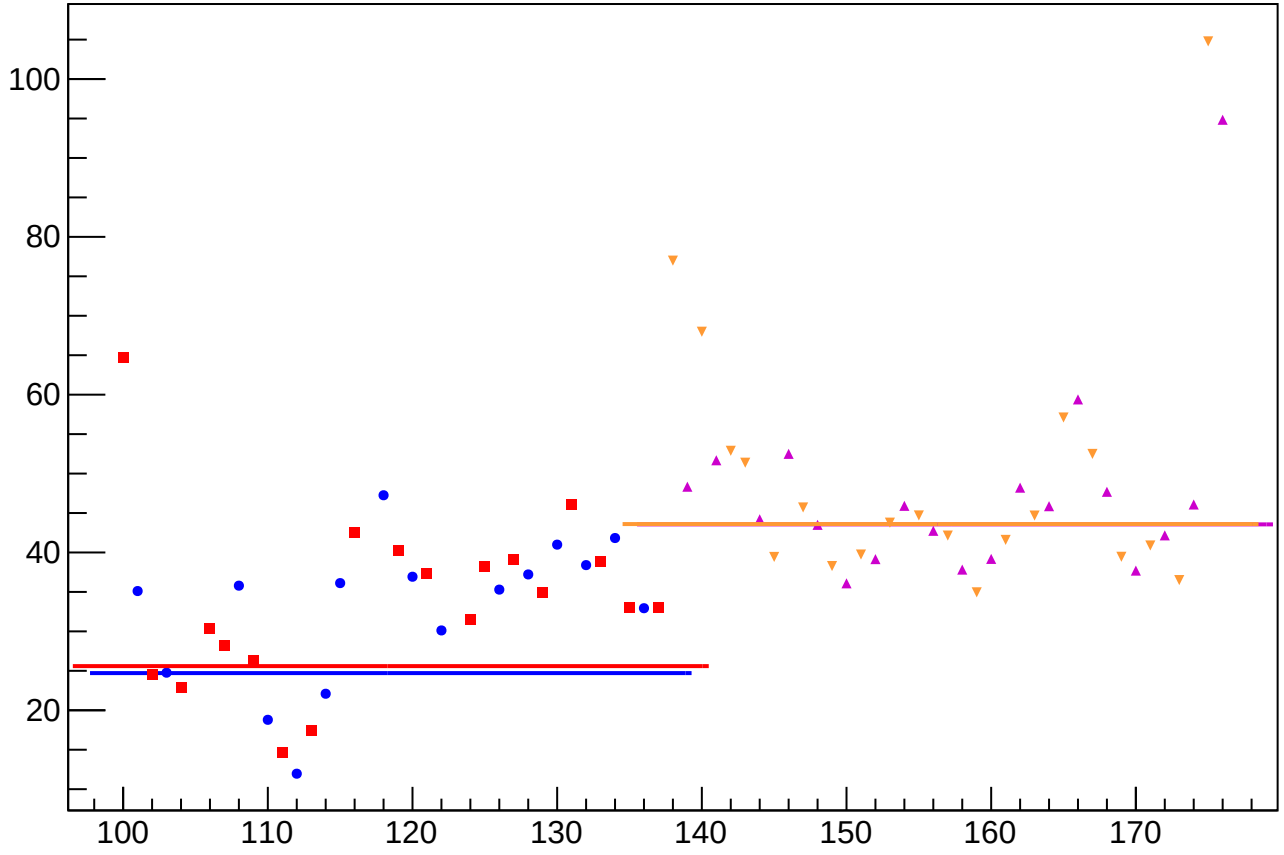
Left In: -0.006+/-0.012 χ^2/NDF:19.6/18

+ sign 0.010+/-0.008 χ^2/NDF: 37.7/35

All: 0.002+/-0.005 χ^2/NDF: 73.0/73

- sign -0.006+/-0.008 χ^2/NDF: 33.2/37

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358682.7/19

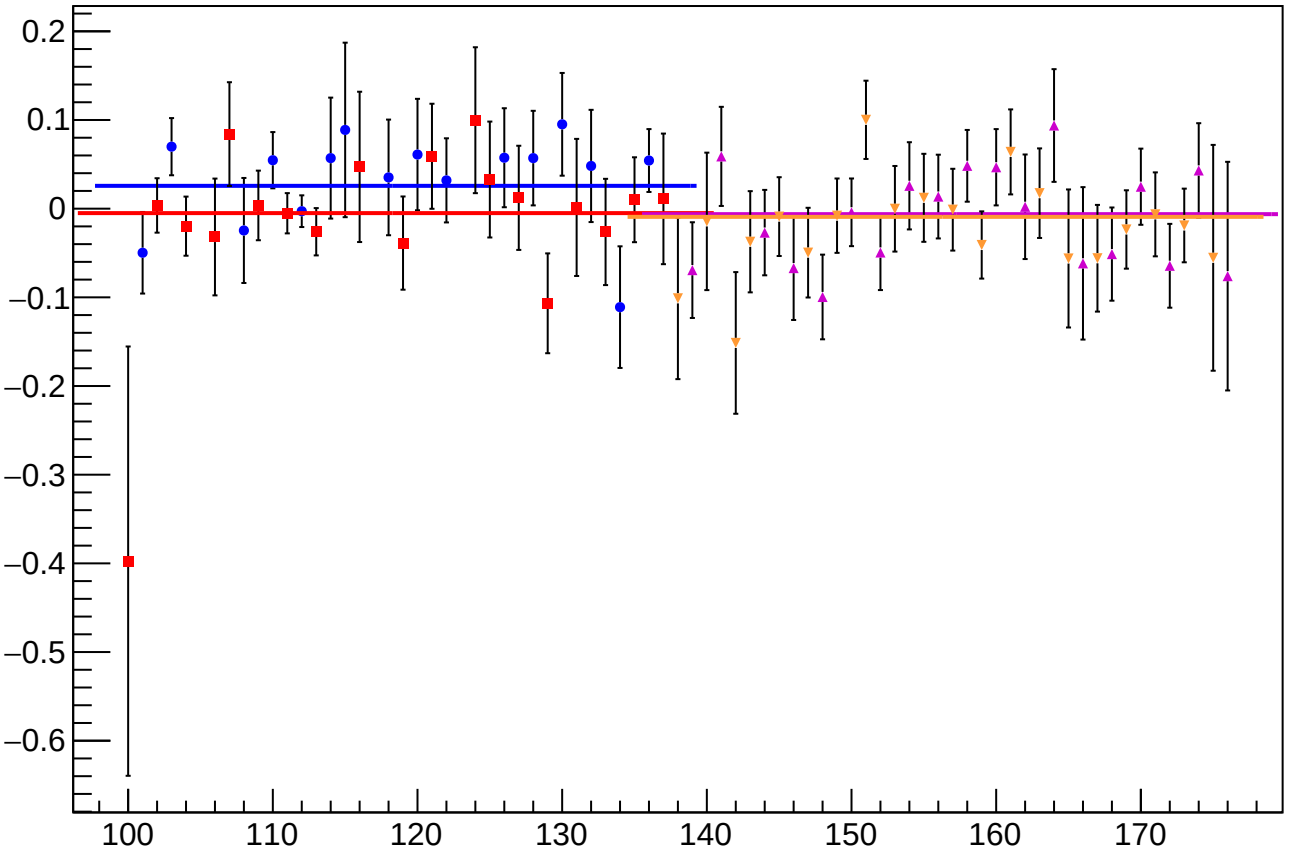
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.560+/-0.008 χ^2/NDF:724474.0/18

\+ sign 33.194+/-0.005 χ^2/NDF: 6641035.7/35

All: 33.401+/-0.004 χ^2/NDF: 11661294.7/73

\- sign 33.608+/-0.005 χ^2/NDF: 5017367.2/37



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.011 χ^2/NDF:16.0/19

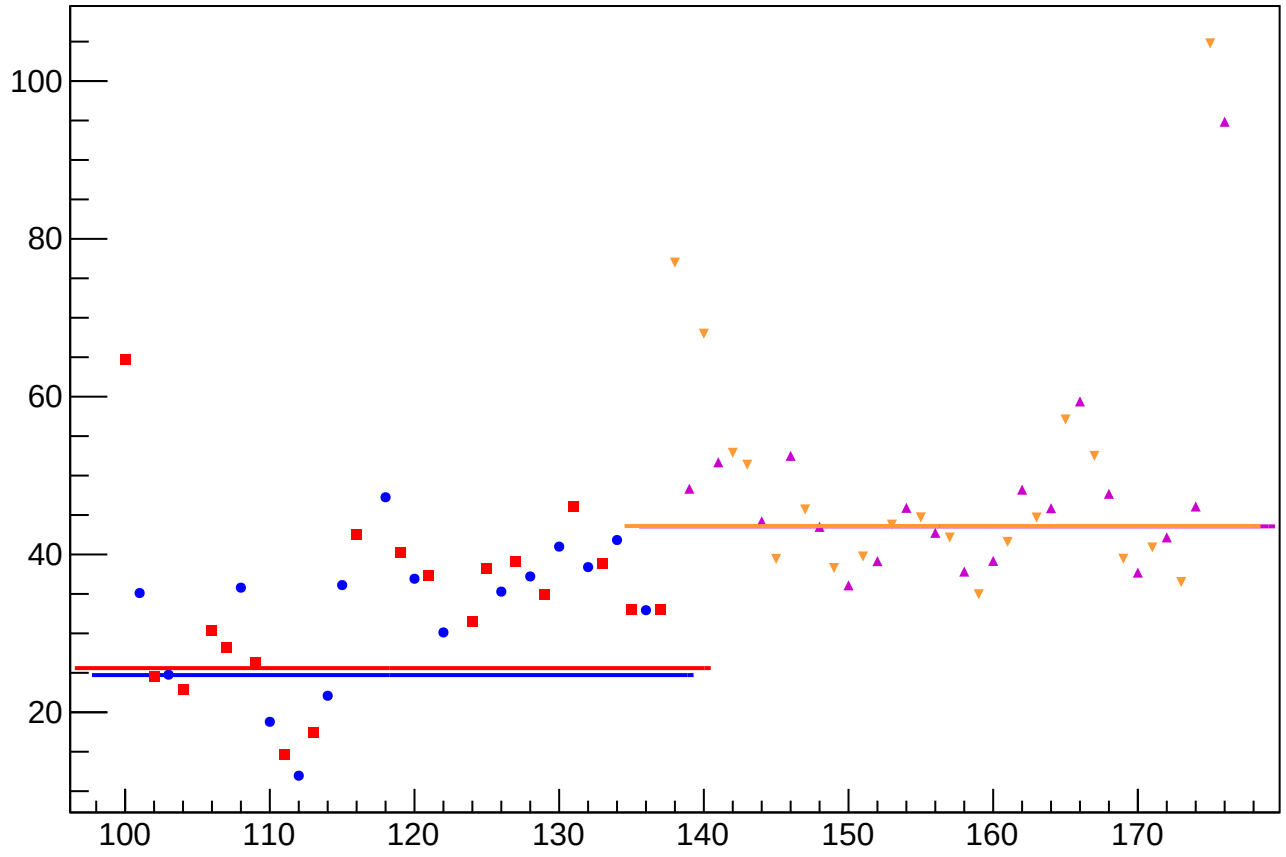
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.012 χ^2/NDF:19.6/18

+ sign 0.010+/-0.008 χ^2/NDF: 37.7/35

All: 0.002+/-0.005 χ^2/NDF: 73.0/73

- sign -0.006+/-0.008 χ^2/NDF: 33.2/37



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358682.7/19

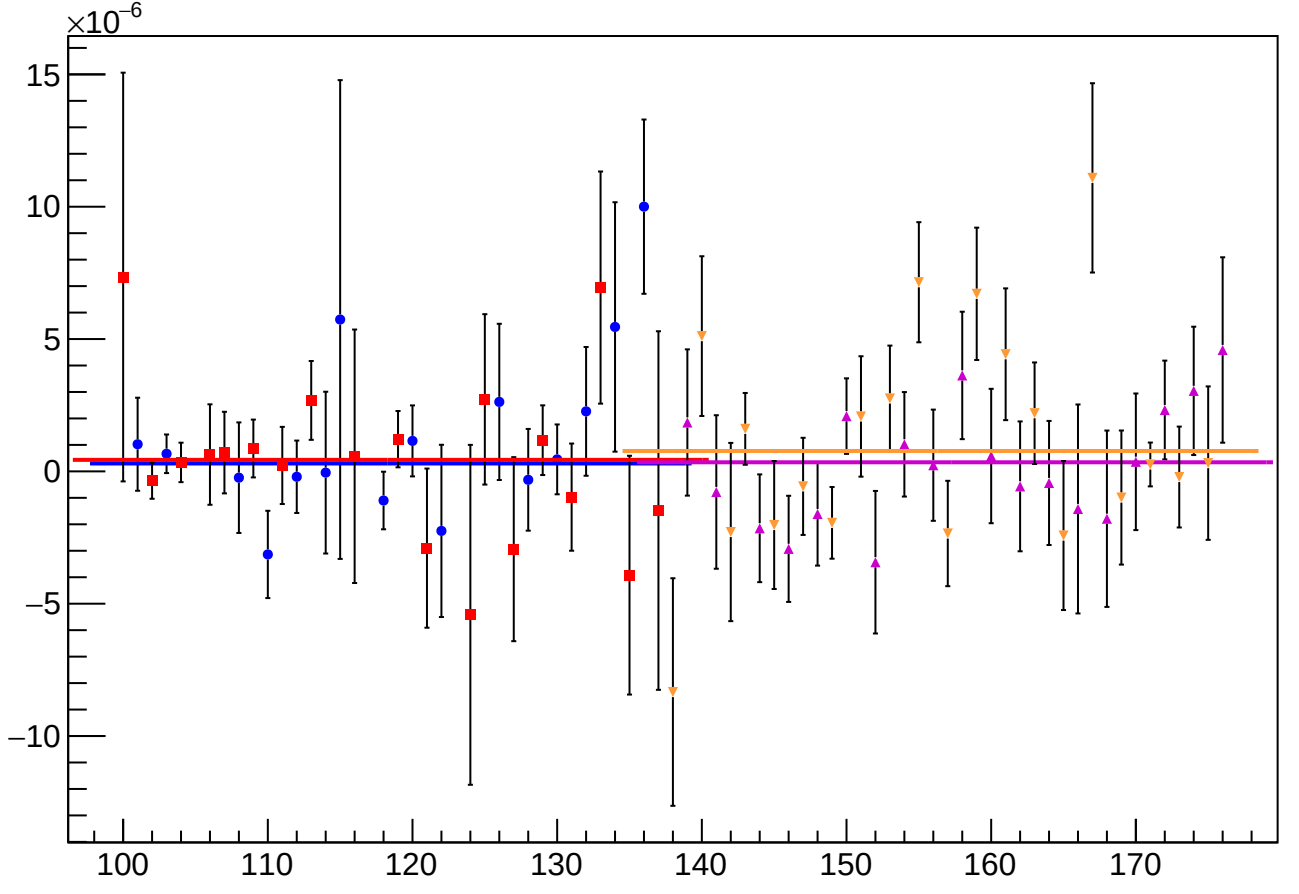
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.560+/-0.008 χ^2/NDF:724474.0/18

\+ sign 33.194+/-0.005 χ^2/NDF: 6641035.7/35

All: 33.401+/-0.004 χ^2/NDF: 11661294.7/73

\- sign 33.608+/-0.005 χ^2/NDF: 5017367.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.4/19

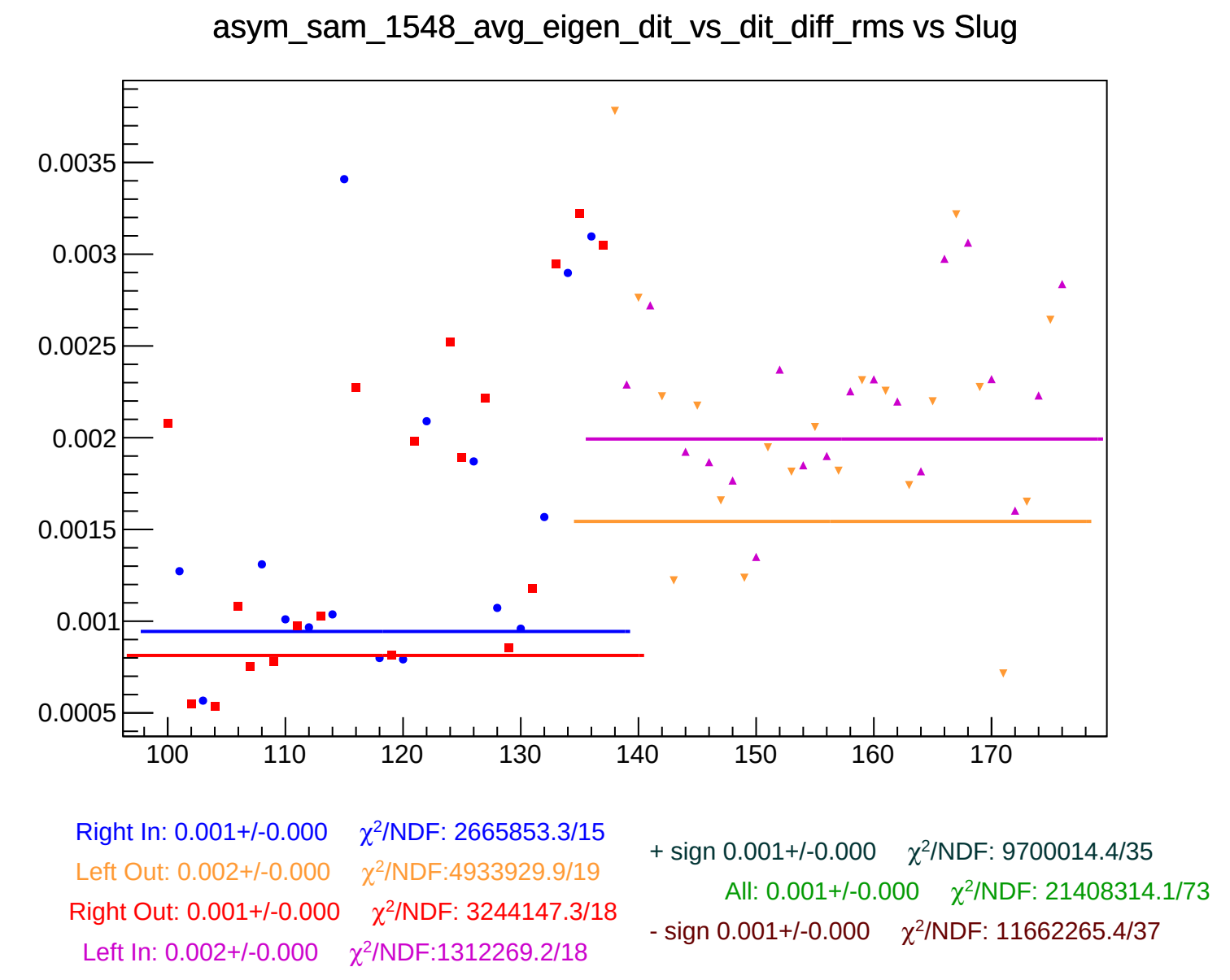
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

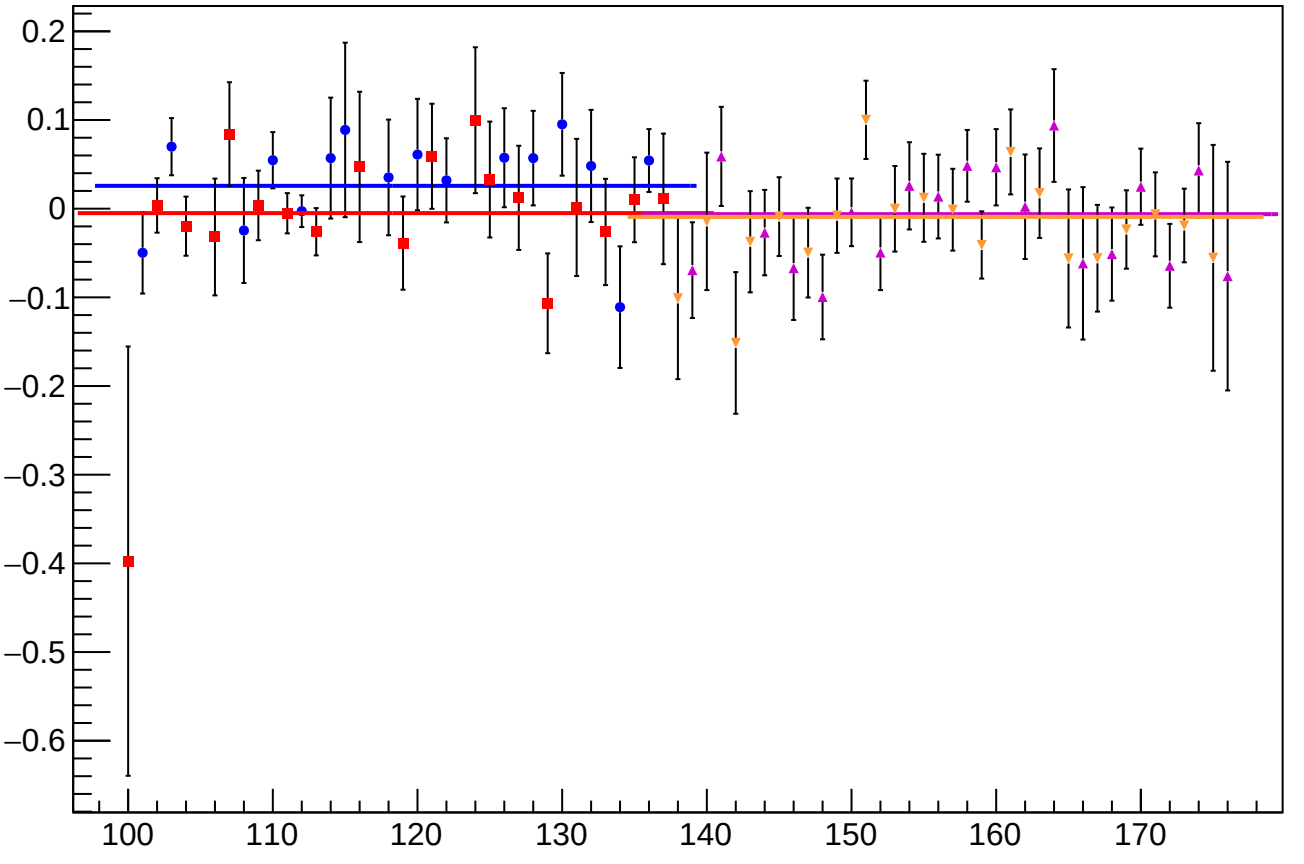
Left In: 0.000+/-0.000 χ^2/NDF:15.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/35

All: 0.000+/-0.000 χ^2/NDF: 92.9/73

- sign 0.000+/-0.000 χ^2/NDF: 28.5/37


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
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:4933929.9/19
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1312269.2/18
+ sign 0.001+/-0.000 χ²/NDF: 9700014.4/35
All: 0.001+/-0.000 χ²/NDF: 21408314.1/73
- sign 0.001+/-0.000 χ²/NDF: 11662265.4/37



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.011 χ^2/NDF:16.0/19

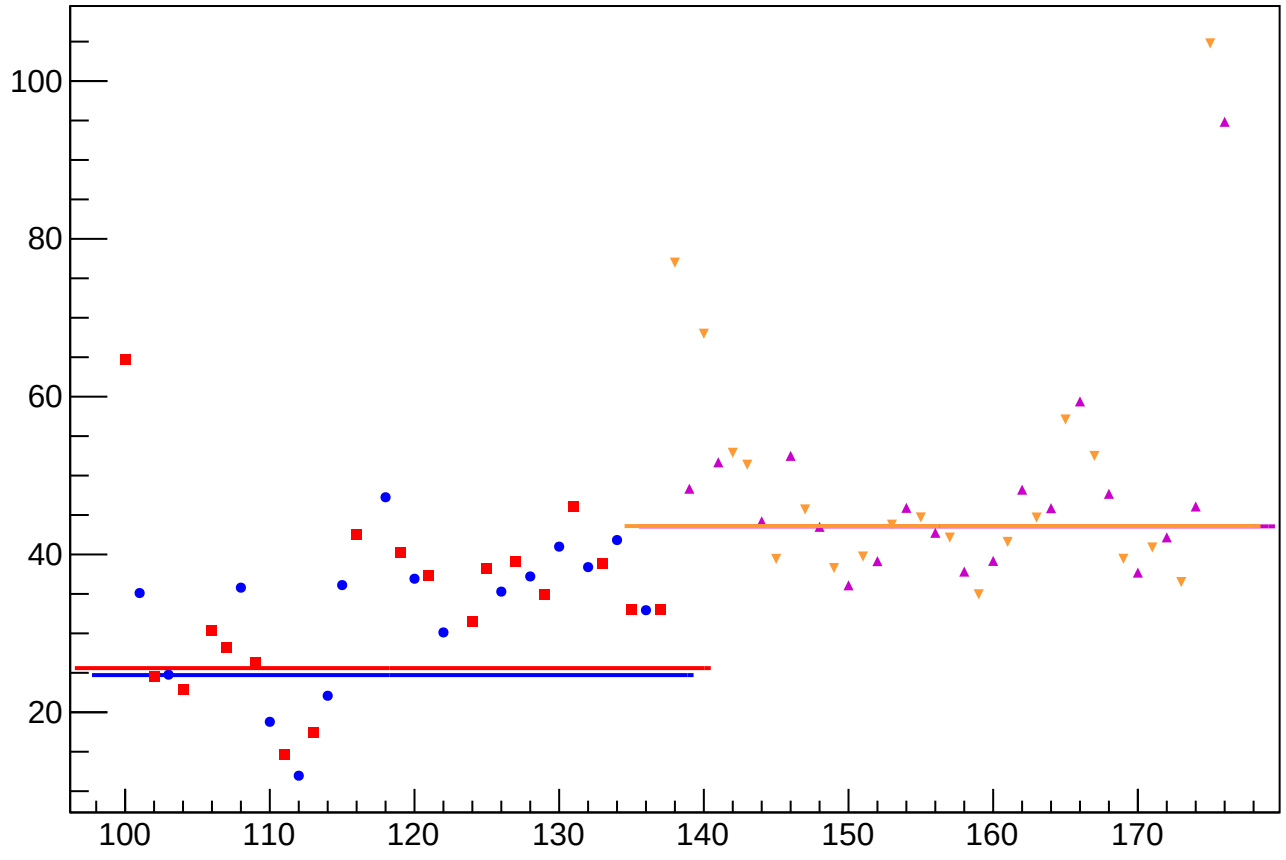
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.012 χ^2/NDF:19.6/18

+ sign 0.010+/-0.008 χ^2/NDF: 37.7/35

All: 0.002+/-0.005 χ^2/NDF: 73.0/73

- sign -0.006+/-0.008 χ^2/NDF: 33.2/37



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358661.6/19

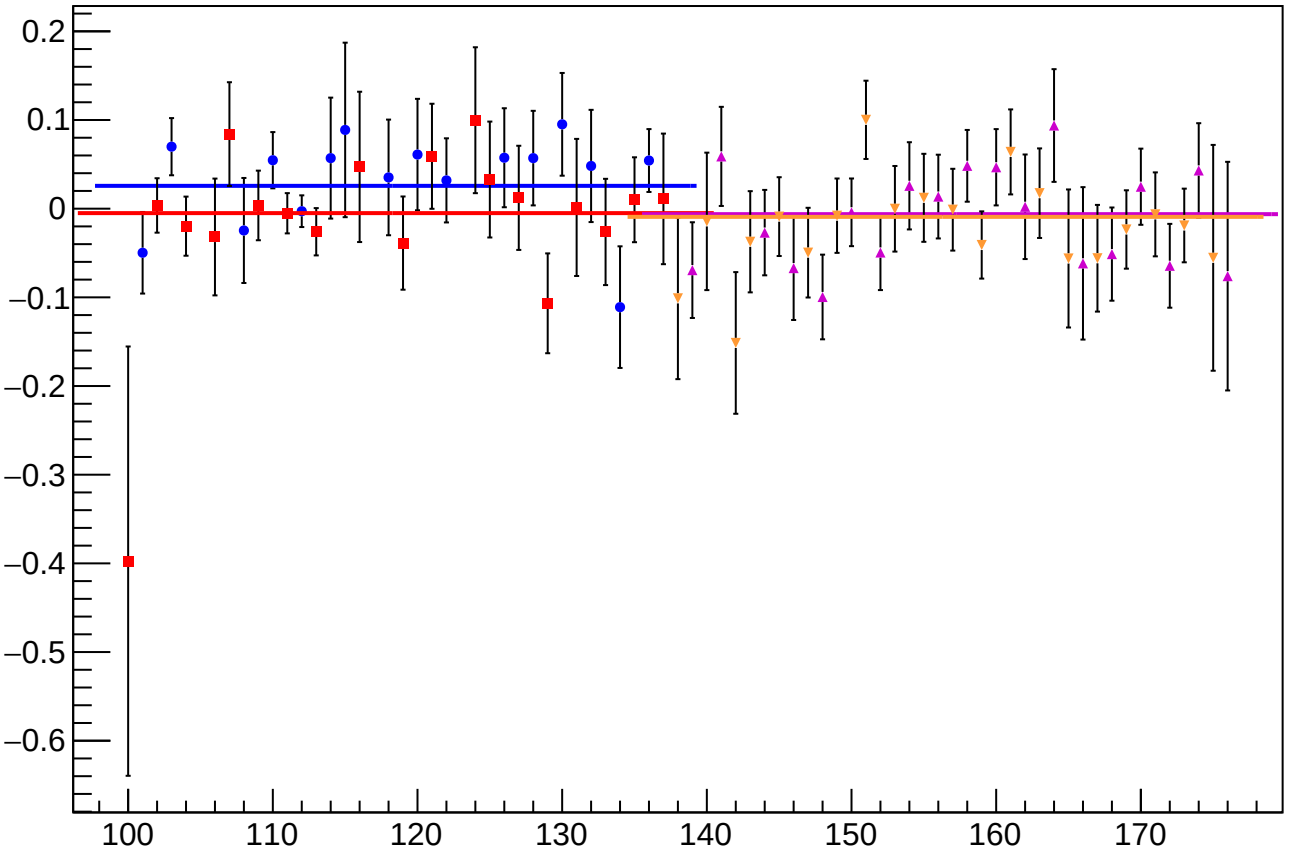
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.561+/-0.008 χ^2/NDF:724445.7/18

\+ sign 33.194+/-0.005 χ^2/NDF: 6641503.1/35

All: 33.401+/-0.004 χ^2/NDF: 11662133.6/73

\- sign 33.608+/-0.005 χ^2/NDF: 5017736.7/37



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.011 χ^2/NDF:16.0/19

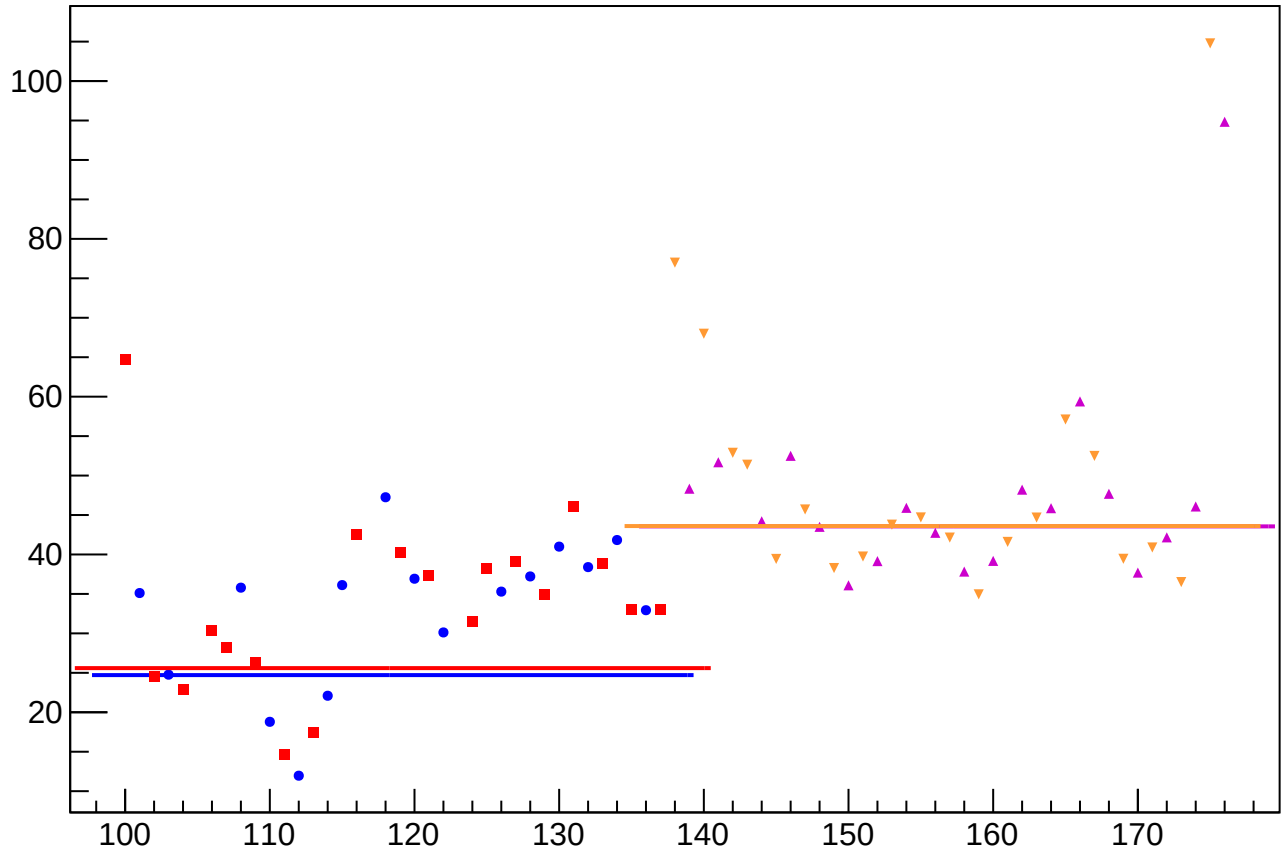
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.012 χ^2/NDF:19.6/18

+ sign 0.010+/-0.008 χ^2/NDF: 37.7/35

All: 0.002+/-0.005 χ^2/NDF: 73.0/73

- sign -0.006+/-0.008 χ^2/NDF: 33.2/37



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358661.6/19

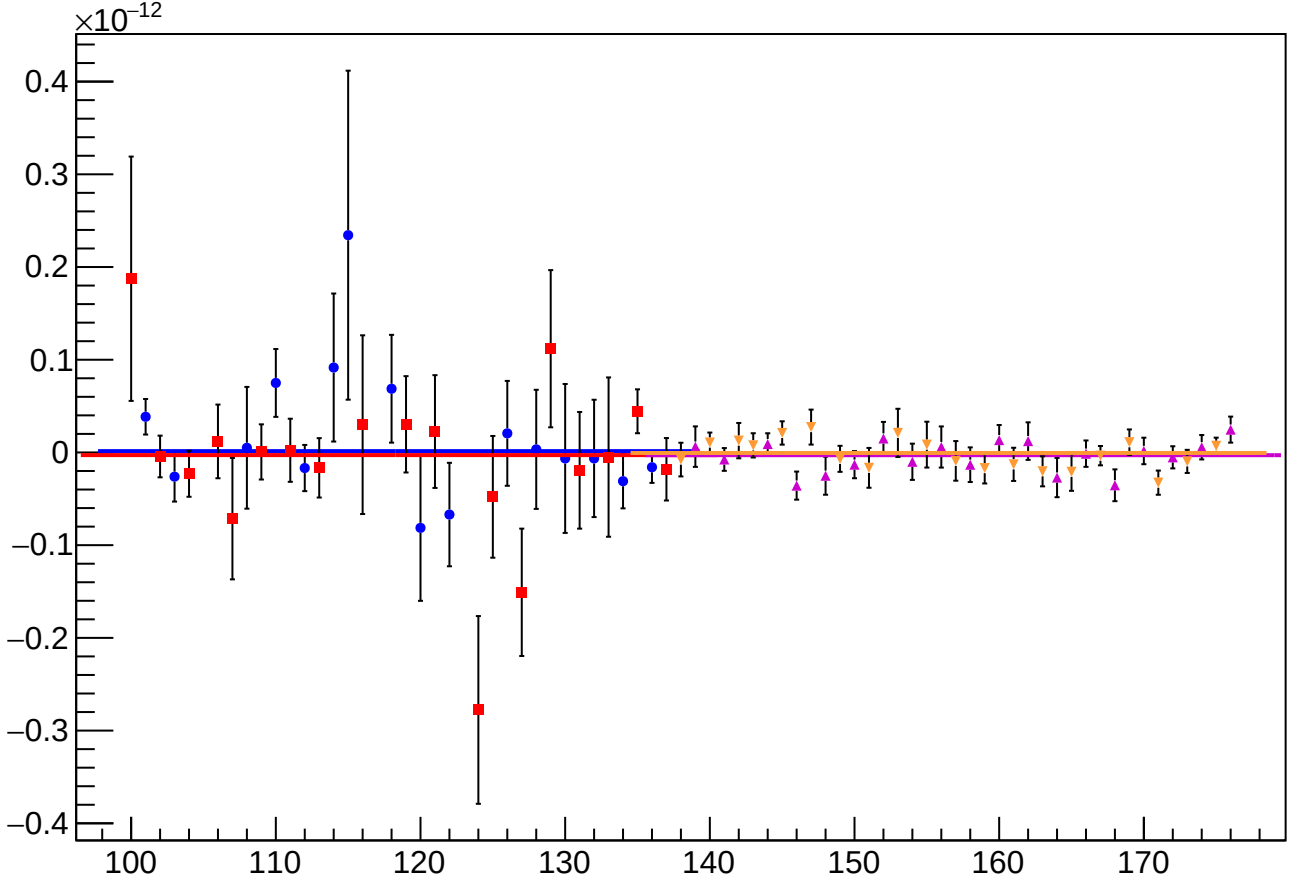
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.561+/-0.008 χ^2/NDF:724445.7/18

\+ sign 33.194+/-0.005 χ^2/NDF: 6641503.1/35

All: 33.401+/-0.004 χ^2/NDF: 11662133.6/73

\- sign 33.608+/-0.005 χ^2/NDF: 5017736.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/19

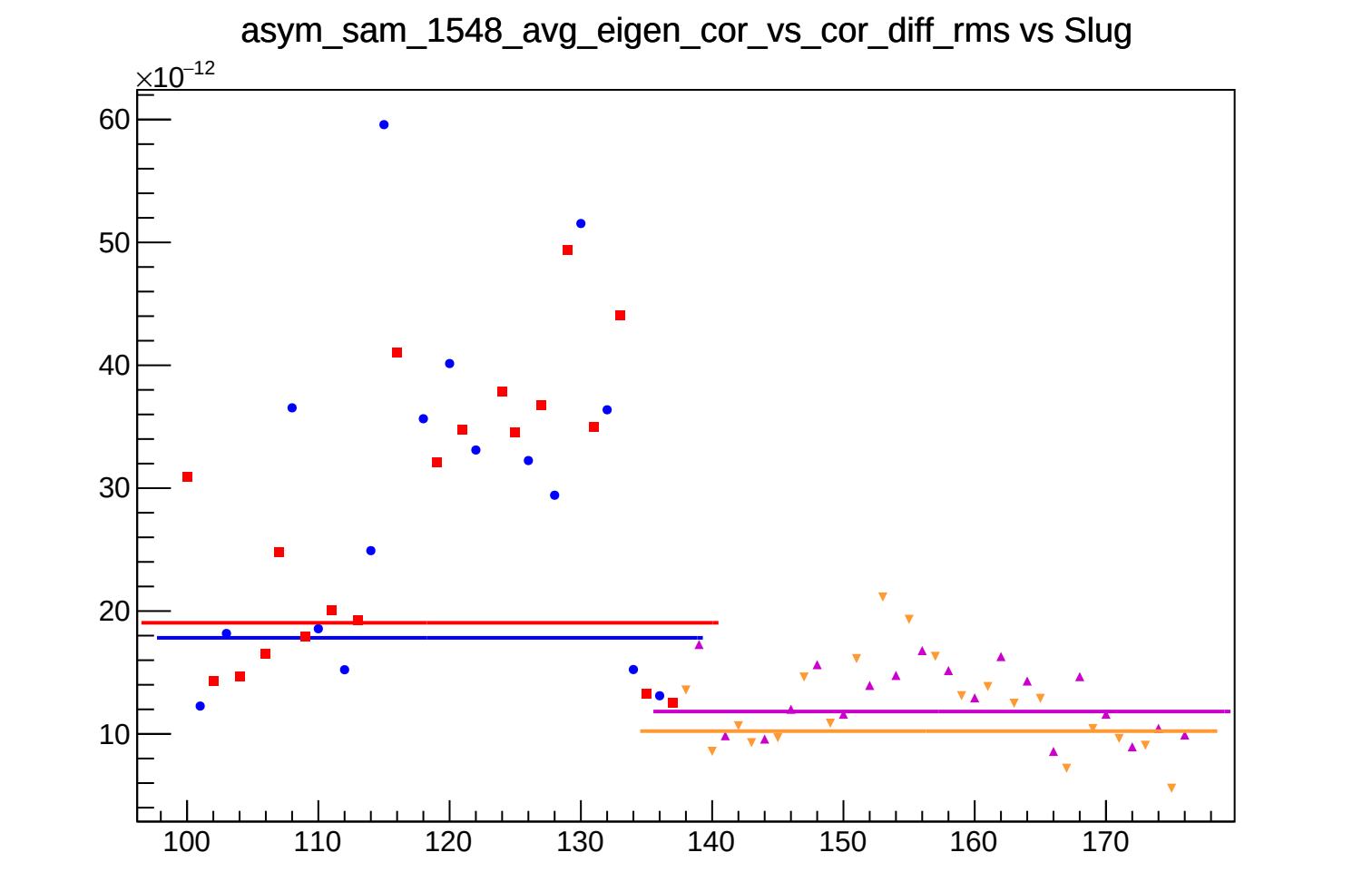
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:20.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 39.8/35

All: -0.000+/-0.000 χ^2/NDF: 83.8/73

- sign -0.000+/-0.000 χ^2/NDF: 43.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2141080.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

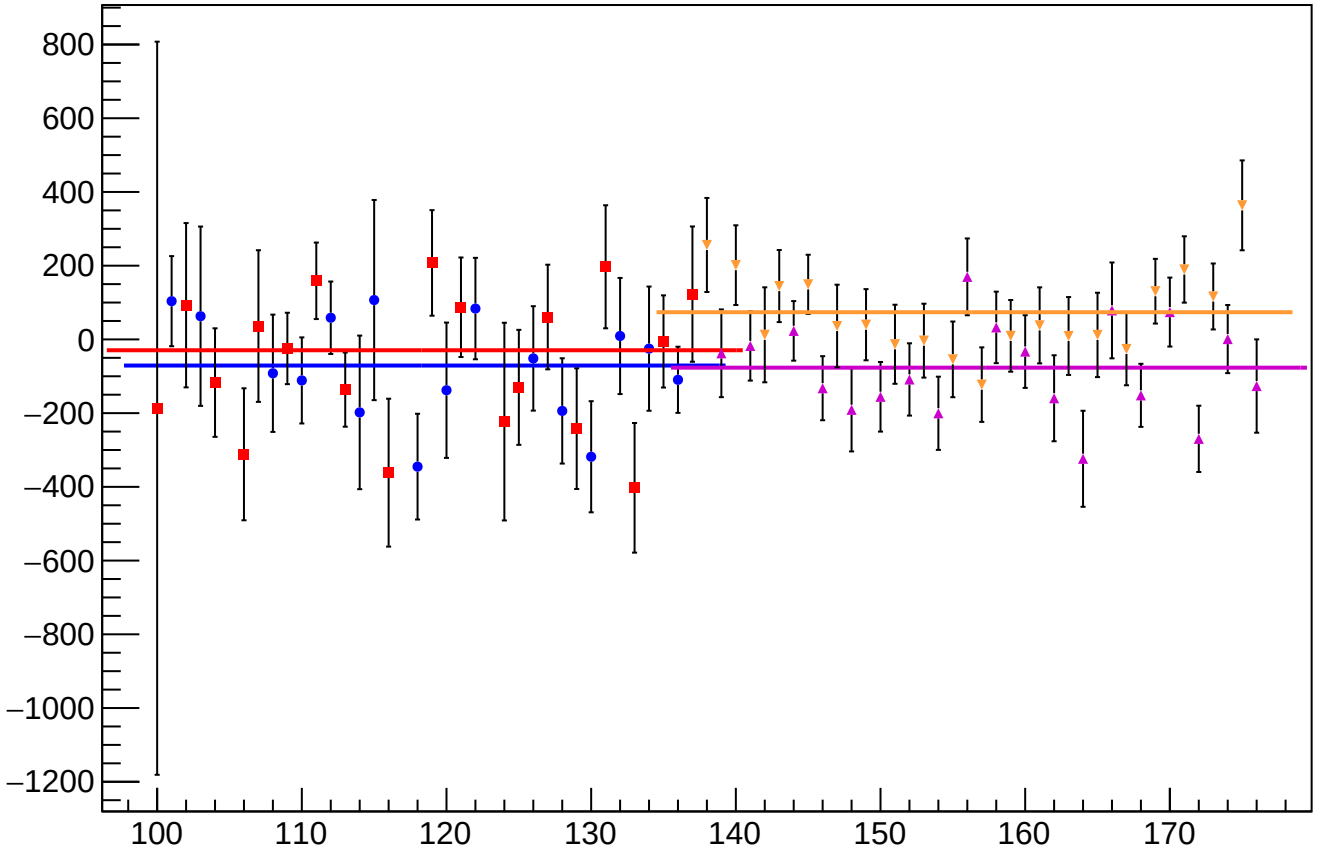
Left In: 0.000+/-0.000 χ^2/NDF:1025351.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 5353533.6/35

All: 0.000+/-0.000 χ^2/NDF: 9339906.5/73

- sign 0.000+/-0.000 χ^2/NDF: 3728101.7/37

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 73.760+/-22.660 χ^2/NDF:22.1/19

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

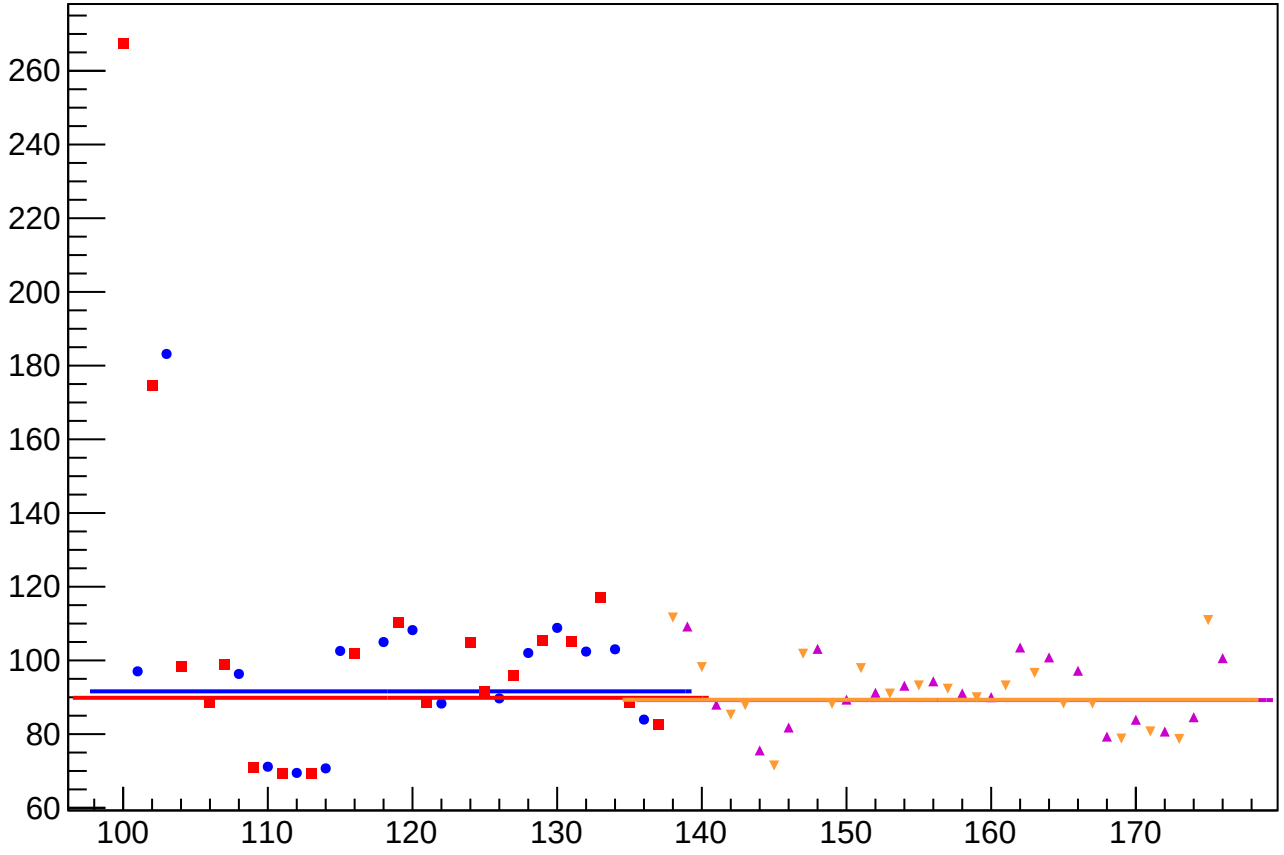
Left In: -76.645+/-22.866 χ^2/NDF:27.3/18

+ sign 31.245+/-19.041 χ^2/NDF: 48.1/35

All: -15.478+/-13.455 χ^2/NDF: 112.7/73

- sign -62.078+/-19.016 χ^2/NDF: 52.6/37

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.331+/-0.016 χ^2/NDF:369794.8/19

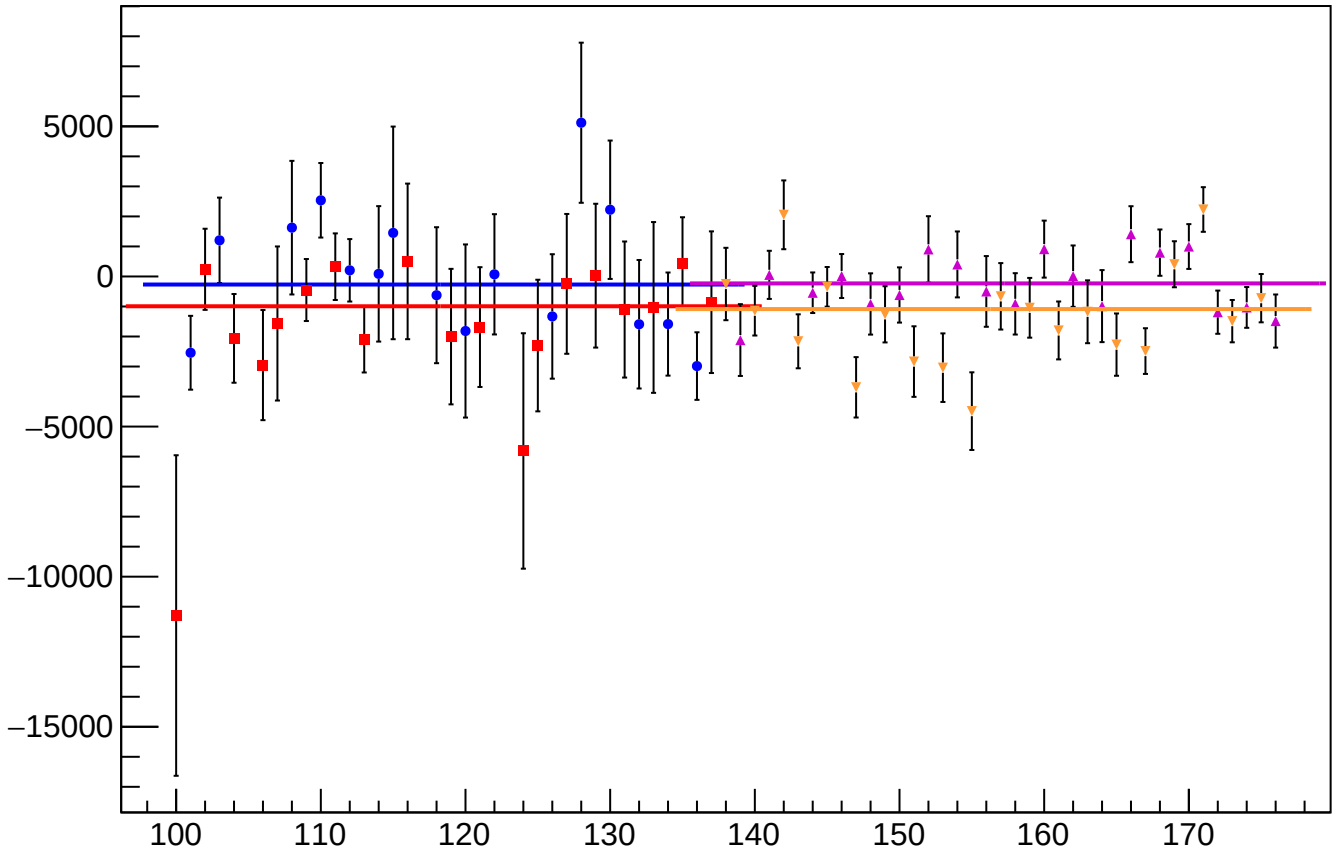
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.239+/-0.016 χ^2/NDF:294204.4/18

+ sign 90.001+/-0.013 χ^2/NDF: 956401.1/35

All: 89.714+/-0.010 χ^2/NDF: 1998242.3/73

- sign 89.429+/-0.013 χ^2/NDF: 1040939.6/37



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1085.815+/-203.273 χ^2/NDF:59.1/19

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

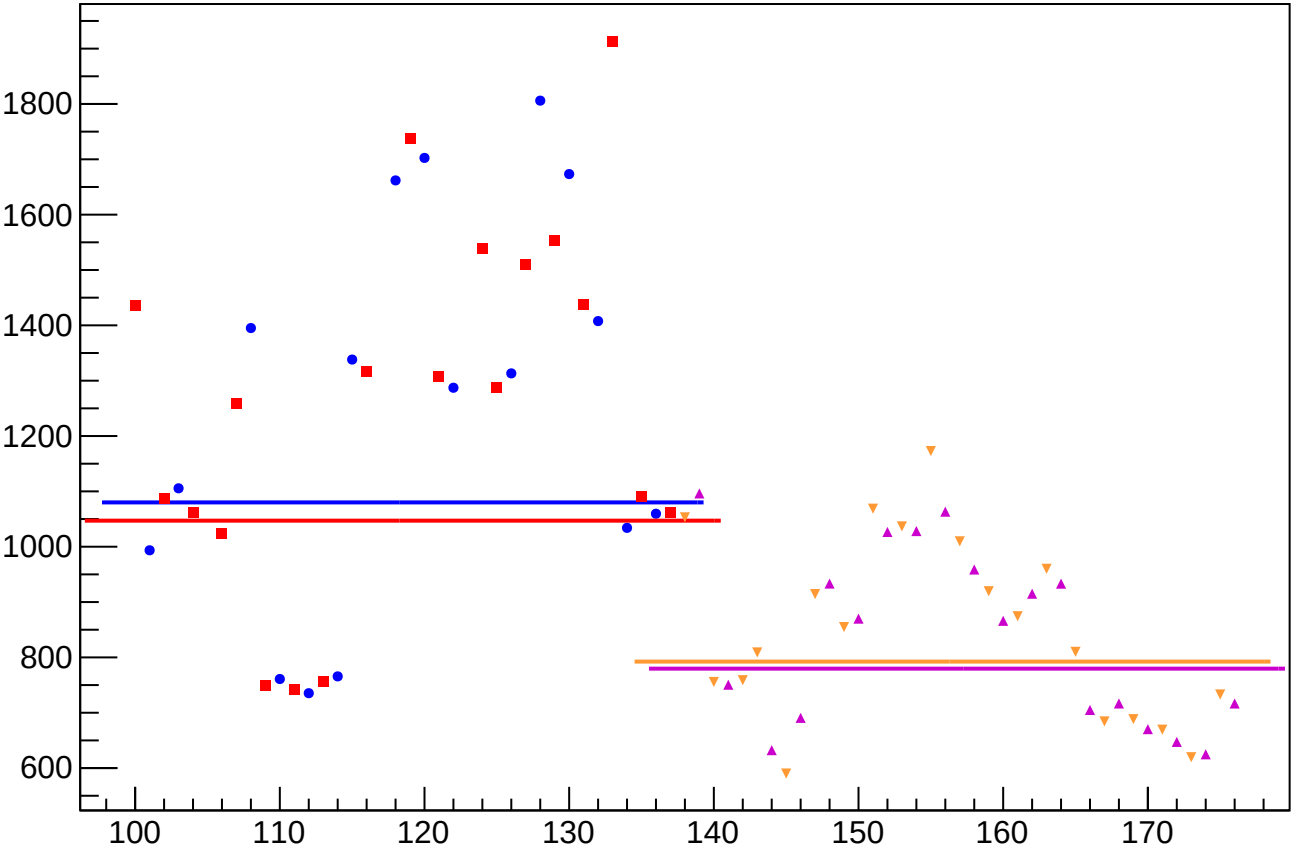
Left In: -231.156+/-201.845 χ^2/NDF:20.1/18

+ sign -930.445+/-182.935 χ^2/NDF: 85.6/35

All: -653.834+/-128.405 χ^2/NDF: 125.7/73

- sign -385.202+/-180.277 χ^2/NDF: 35.6/37

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 792.433+/-0.144 χ^2/NDF:1140174.6/19

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

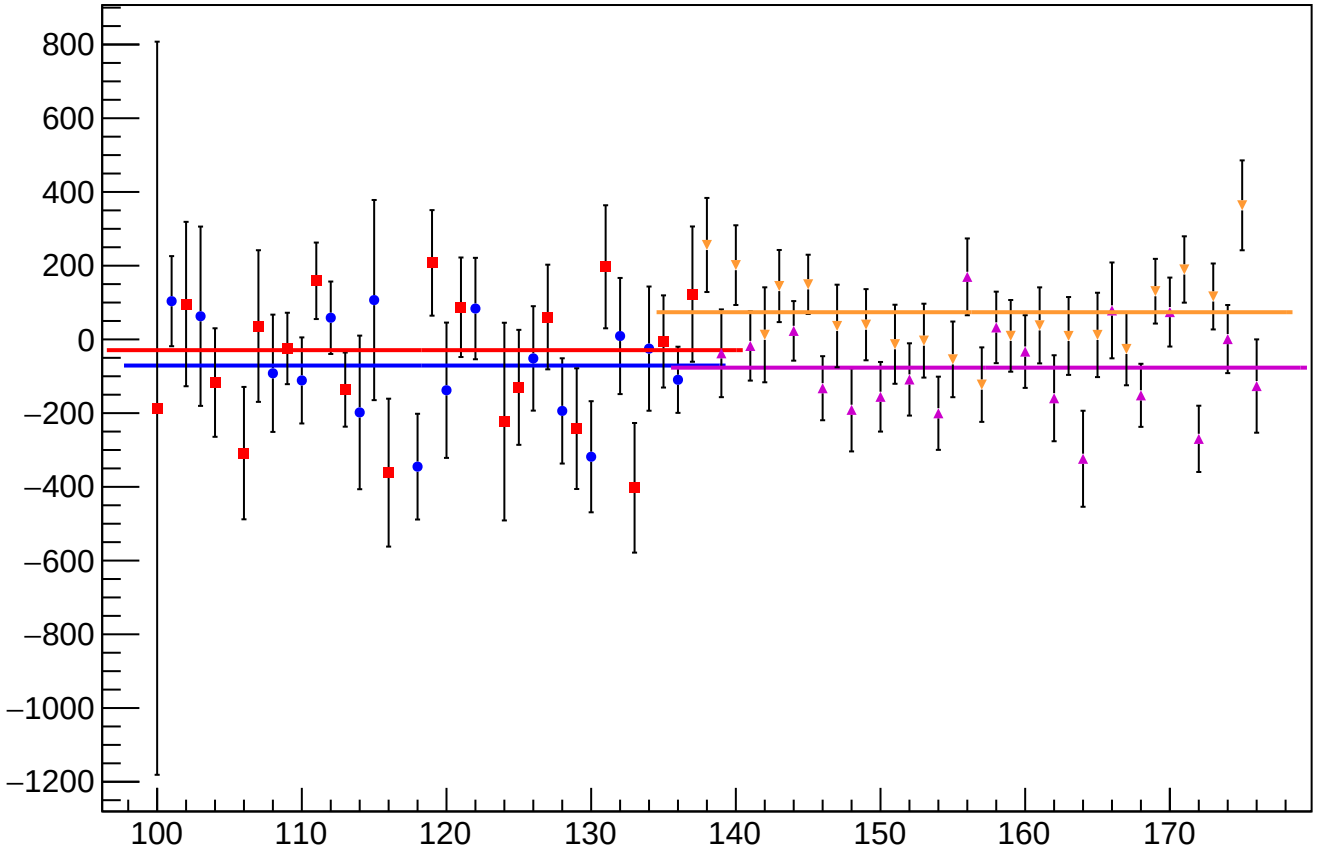
Left In: 779.677+/-0.143 χ^2/NDF:1046970.8/18

+ sign 847.107+/-0.129 χ^2/NDF: 2954763.3/35

All: 840.340+/-0.091 χ^2/NDF: 5915776.4/73

- sign 833.768+/-0.127 χ^2/NDF: 2955618.3/37

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 73.764+/-22.660 χ^2/NDF:22.1/19

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

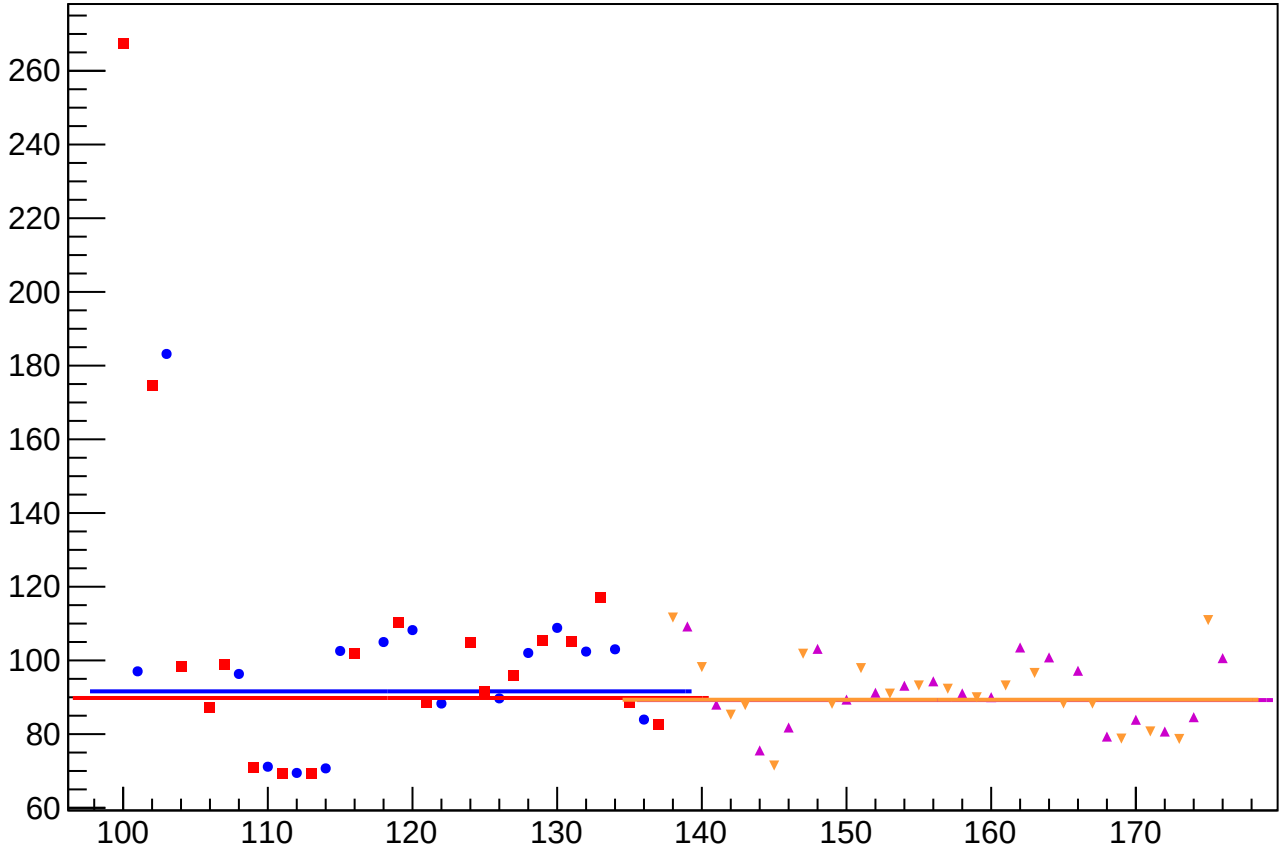
Left In: -76.645+/-22.866 χ^2/NDF:27.3/18

+ sign 31.243+/-19.041 χ^2/NDF: 48.1/35

All: -15.439+/-13.456 χ^2/NDF: 112.7/73

- sign -62.003+/-19.017 χ^2/NDF: 52.6/37

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.331+/-0.016 χ^2/NDF:369794.8/19

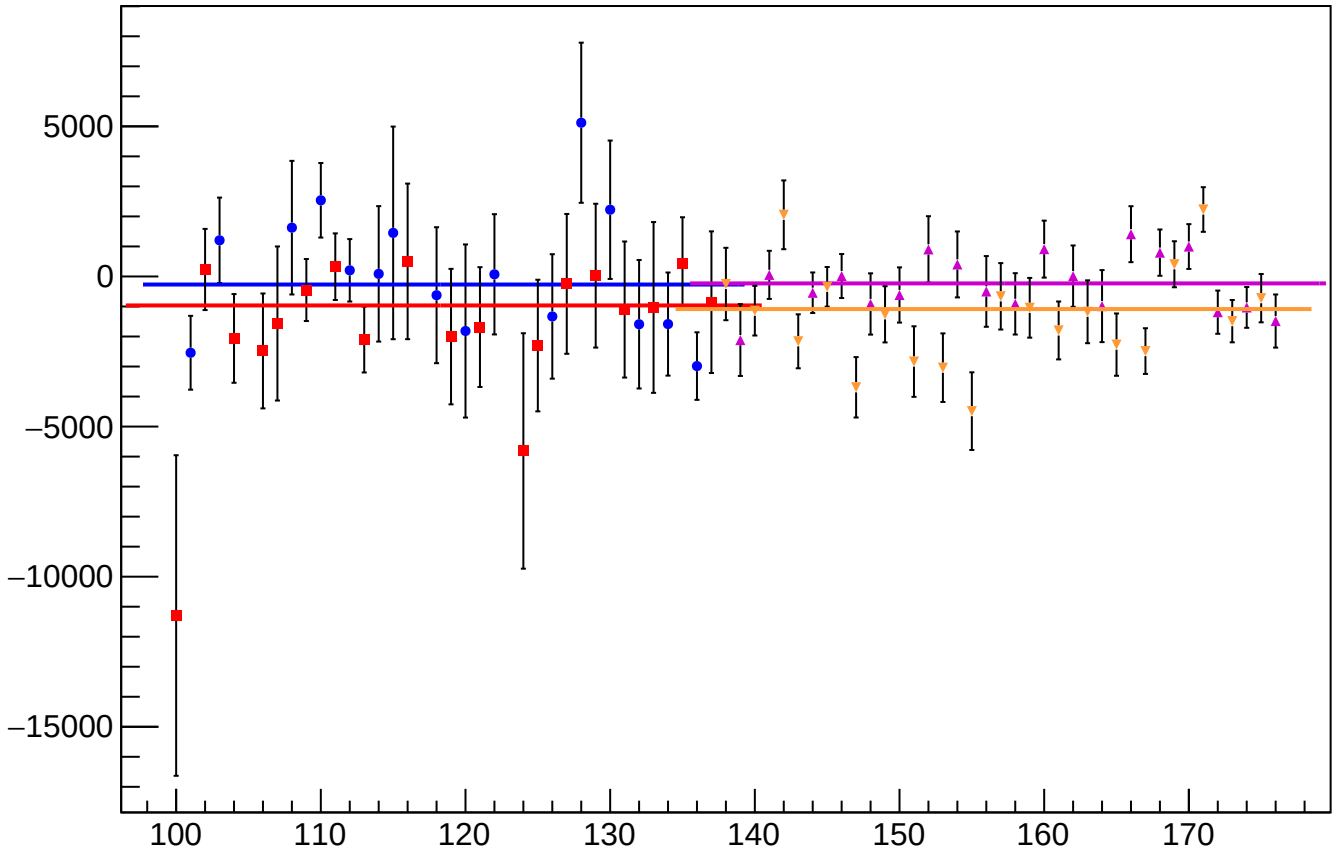
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.239+/-0.016 χ^2/NDF:294204.4/18

+ sign 90.001+/-0.013 χ^2/NDF: 956404.2/35

All: 89.707+/-0.010 χ^2/NDF: 1998770.4/73

- sign 89.414+/-0.013 χ^2/NDF: 1041417.7/37



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1085.811+/-203.273 χ^2/NDF:59.1/19

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

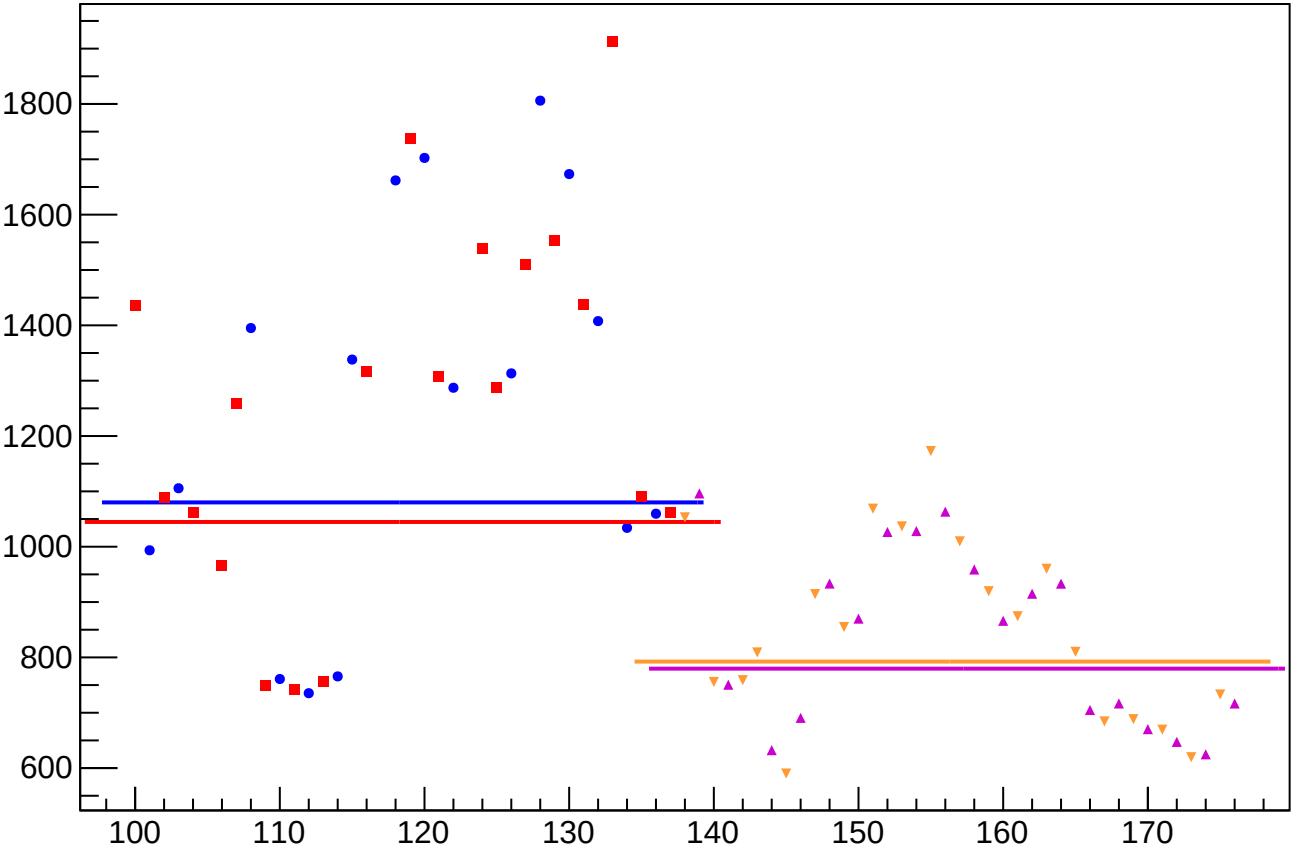
Left In: -231.160+/-201.845 χ^2/NDF:20.1/18

+ sign -930.448+/-182.935 χ^2/NDF: 85.6/35

All: -650.866+/-128.431 χ^2/NDF: 125.1/73

- sign -379.129+/-180.351 χ^2/NDF: 34.9/37

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 792.433+/-0.144 χ^2/NDF:1140176.8/19

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

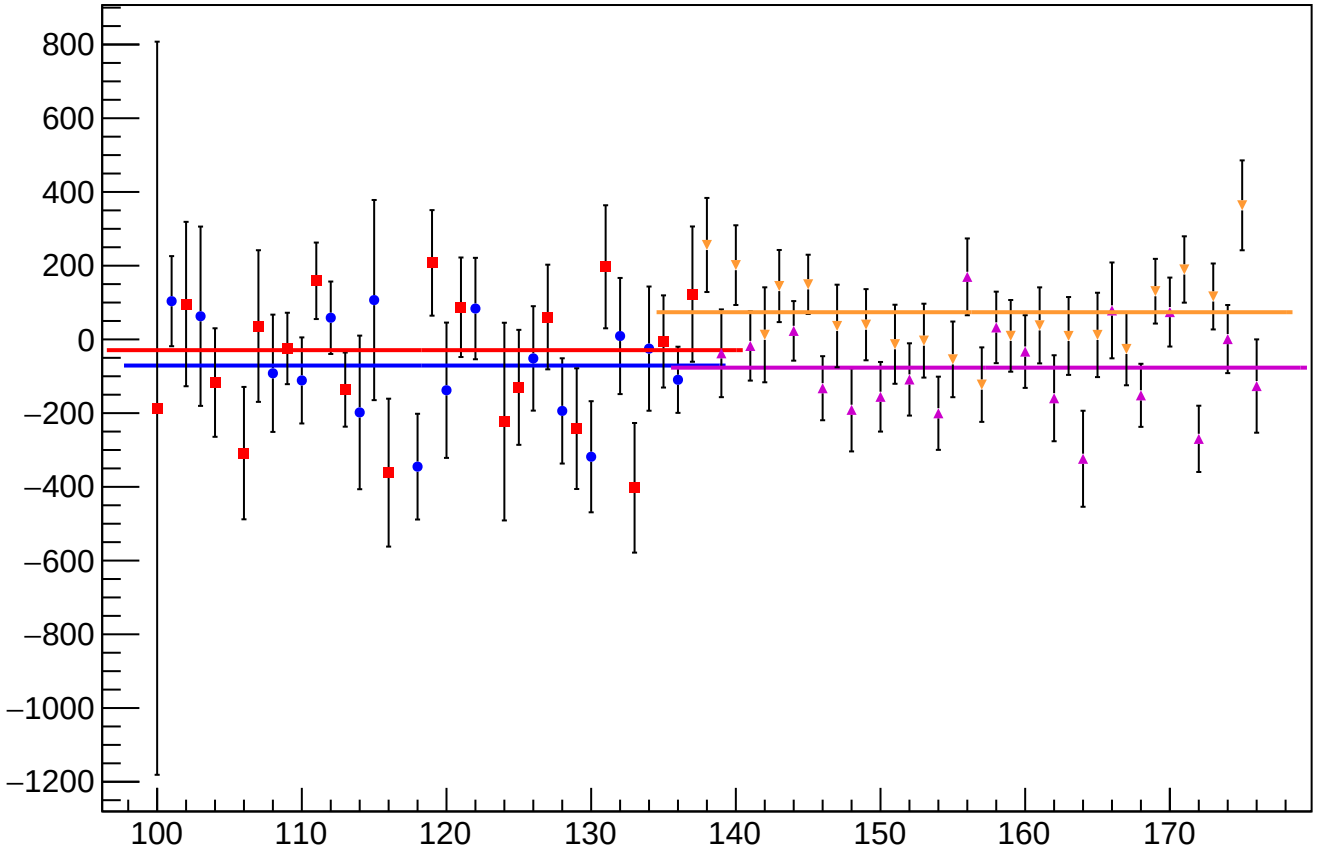
Left In: 779.677+/-0.143 χ^2/NDF:1046970.2/18

+ sign 847.107+/-0.129 χ^2/NDF: 2954809.2/35

All: 840.014+/-0.091 χ^2/NDF: 5904864.8/73

- sign 833.120+/-0.128 χ^2/NDF: 2944126.1/37

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 73.764+/-22.660 χ^2/NDF:22.1/19

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

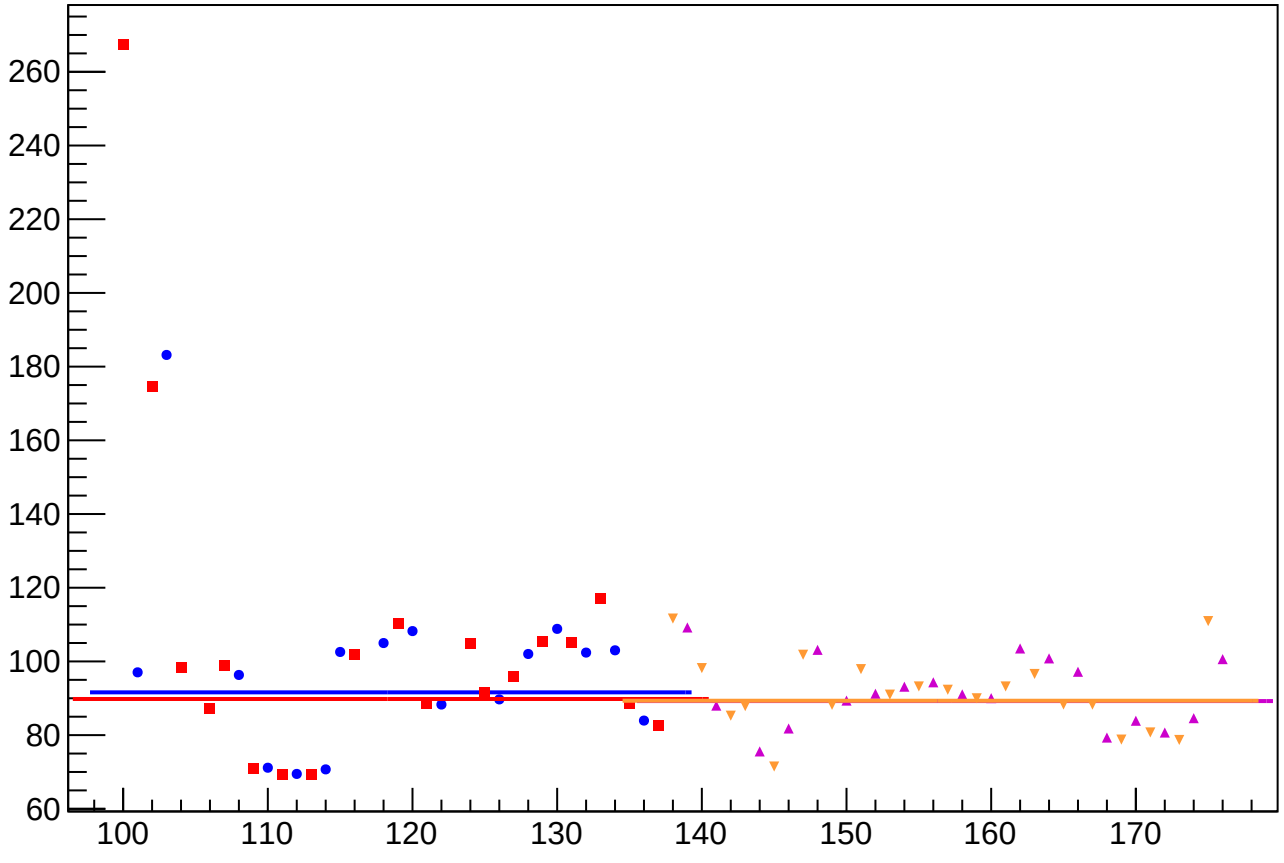
Left In: -76.645+/-22.866 χ^2/NDF:27.3/18

+ sign 31.243+/-19.041 χ^2/NDF: 48.1/35

All: -15.439+/-13.456 χ^2/NDF: 112.7/73

- sign -62.003+/-19.017 χ^2/NDF: 52.6/37

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.331+/-0.016 χ^2/NDF:369794.8/19

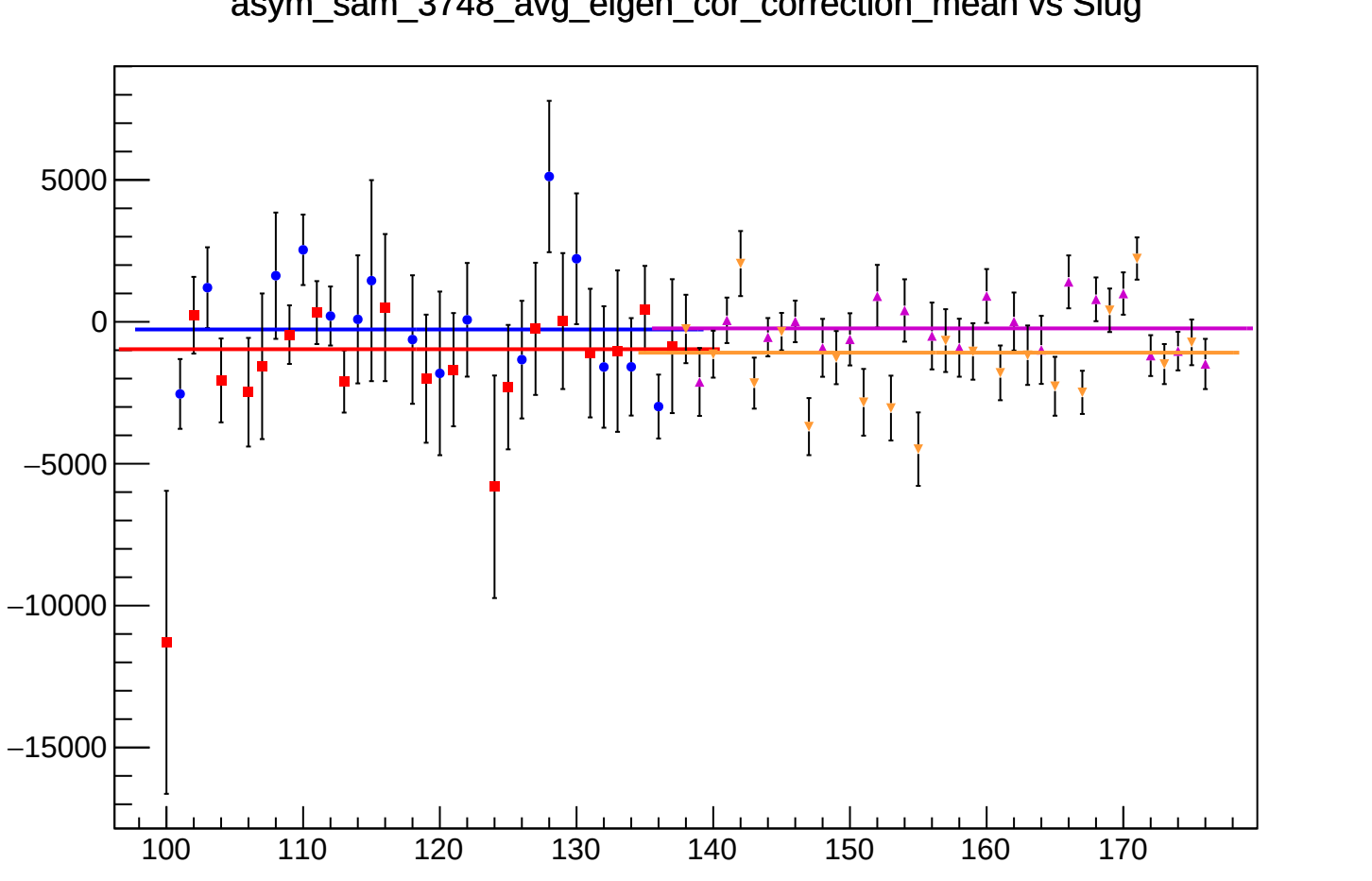
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.239+/-0.016 χ^2/NDF:294204.4/18

+ sign 90.001+/-0.013 χ^2/NDF: 956404.2/35

All: 89.707+/-0.010 χ^2/NDF: 1998770.4/73

- sign 89.414+/-0.013 χ^2/NDF: 1041417.7/37



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1085.811+/-203.273 χ^2/NDF:59.1/19

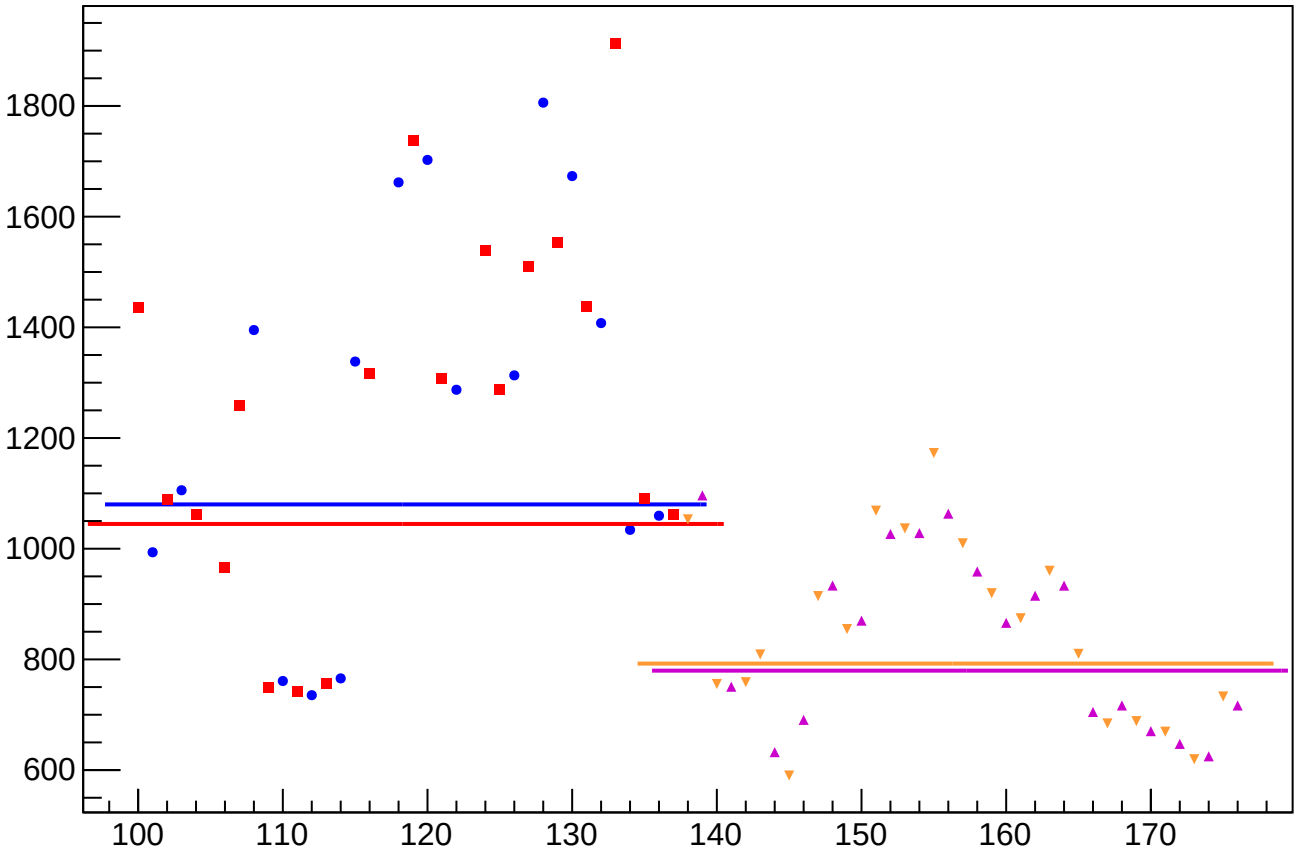
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -231.160+/-201.845 χ^2/NDF:20.1/18

+ sign -930.448+/-182.935 χ^2/NDF: 85.6/35

All: -650.866+/-128.431 χ^2/NDF: 125.1/73

- sign -379.129+/-180.351 χ^2/NDF: 34.9/37



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 792.433+/-0.144 χ^2/NDF:1140176.8/19

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

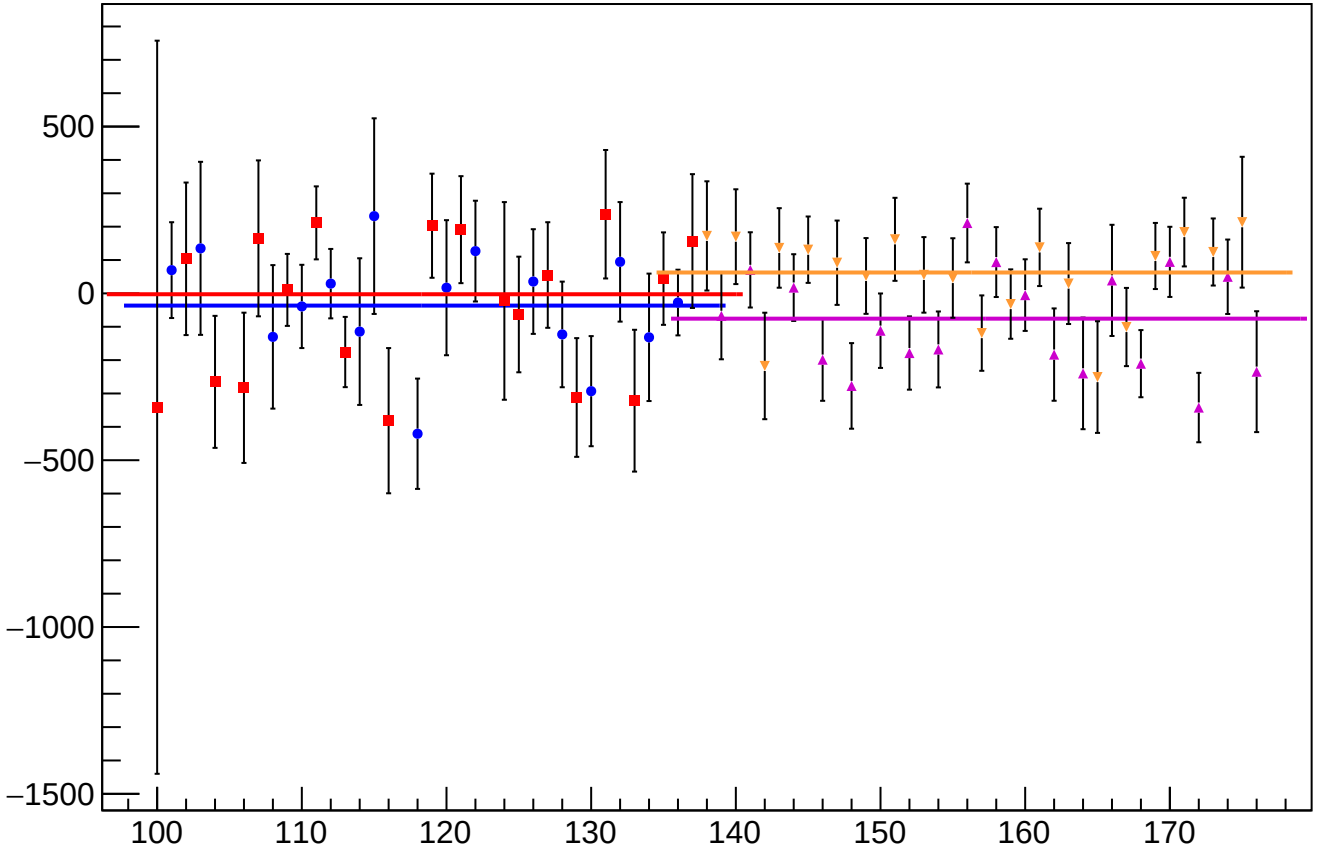
Left In: 779.677+/-0.143 χ^2/NDF:1046970.2/18

+ sign 847.107+/-0.129 χ^2/NDF: 2954809.2/35

All: 840.014+/-0.091 χ^2/NDF: 5904864.8/73

- sign 833.120+/-0.128 χ^2/NDF: 2944126.1/37

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 62.602+/-26.787 χ^2/NDF:17.6/19

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

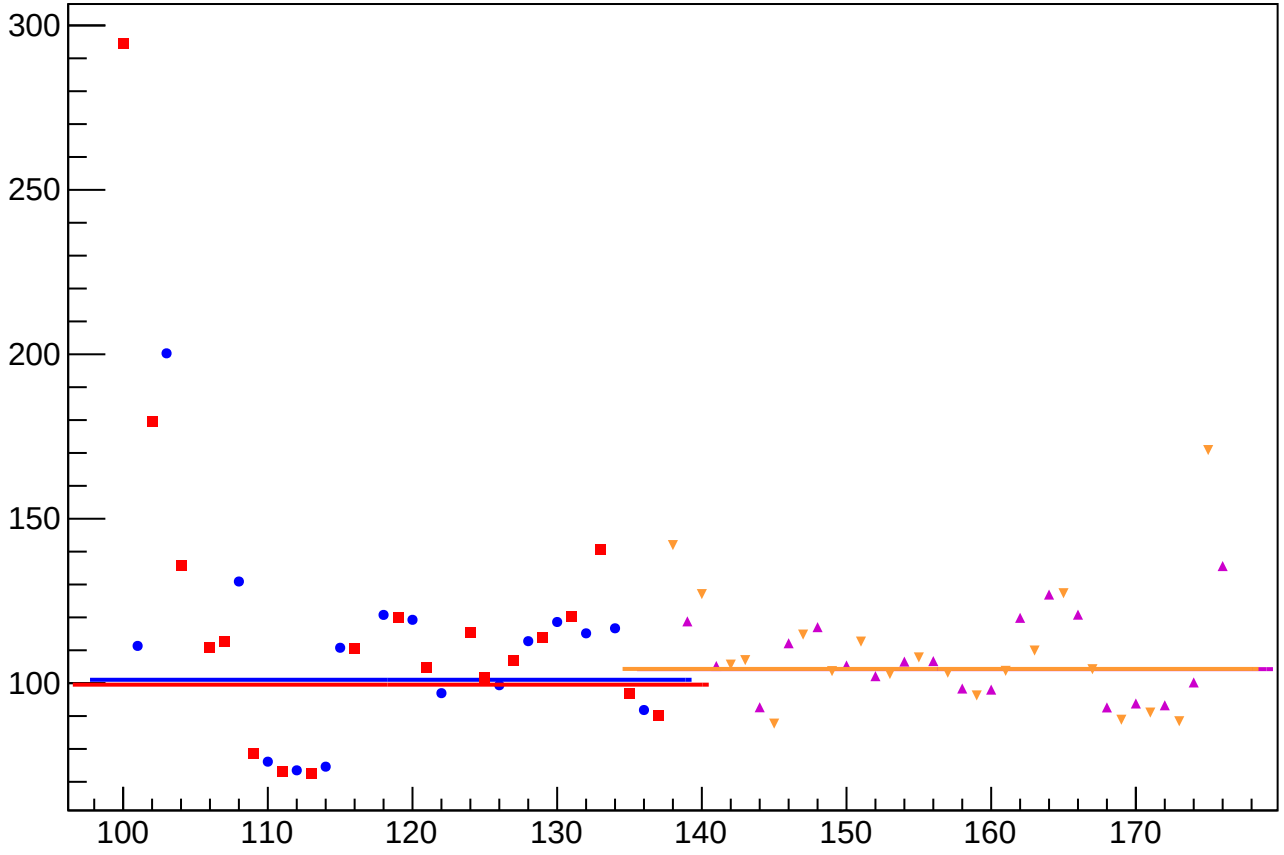
Left In: -75.761+/-27.010 χ^2/NDF:31.7/18

+ sign 30.797+/-22.079 χ^2/NDF: 34.9/35

All: -10.328+/-15.601 χ^2/NDF: 100.7/73

- sign -51.335+/-22.047 χ^2/NDF: 58.9/37

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 104.329+/-0.019 χ^2/NDF:655711.8/19

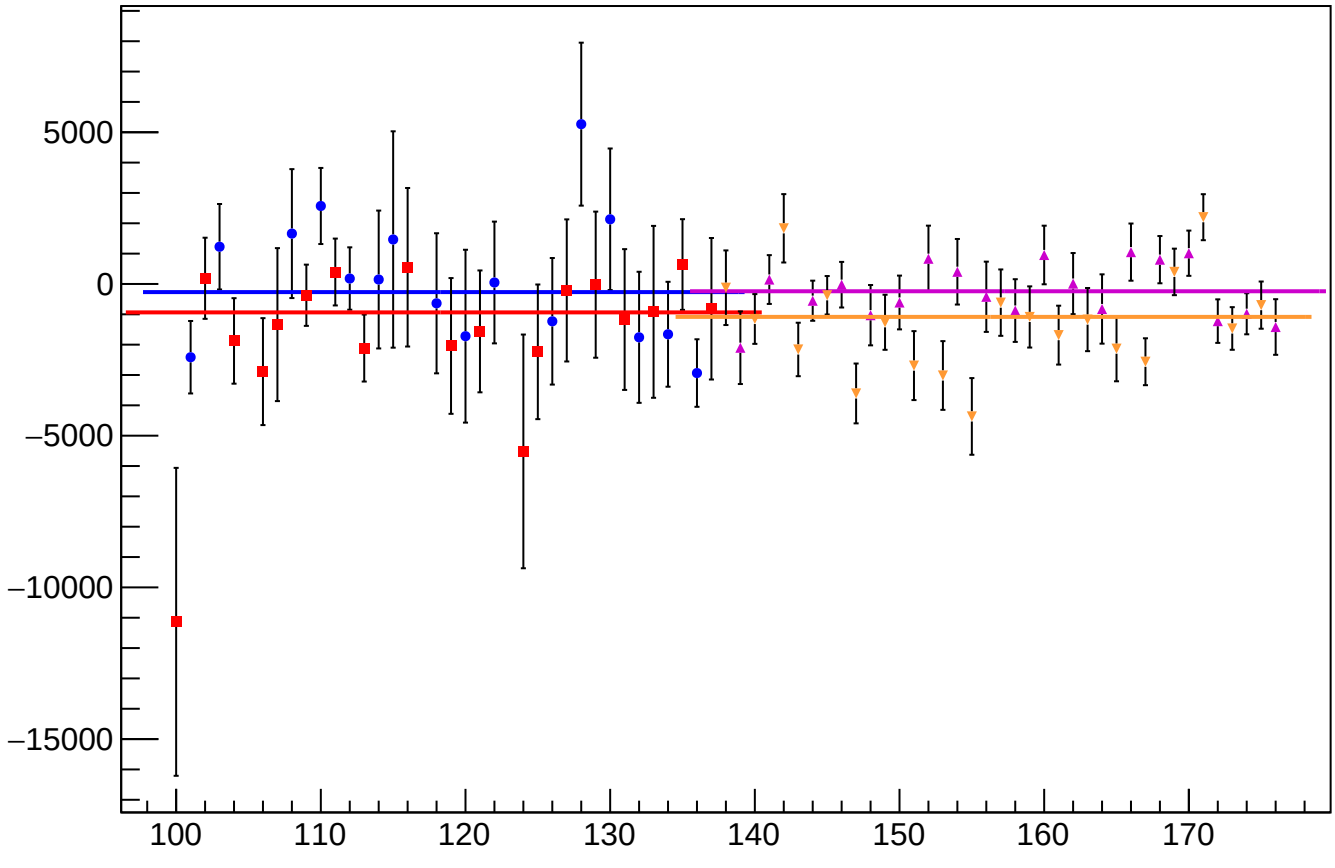
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 104.266+/-0.019 χ^2/NDF:308778.1/18

+ sign 103.271+/-0.016 χ^2/NDF: 1381526.8/35

All: 102.981+/-0.011 χ^2/NDF: 2591864.9/73

- sign 102.691+/-0.016 χ^2/NDF: 1209645.8/37



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1084.779+/-201.615 χ^2/NDF:56.6/19

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

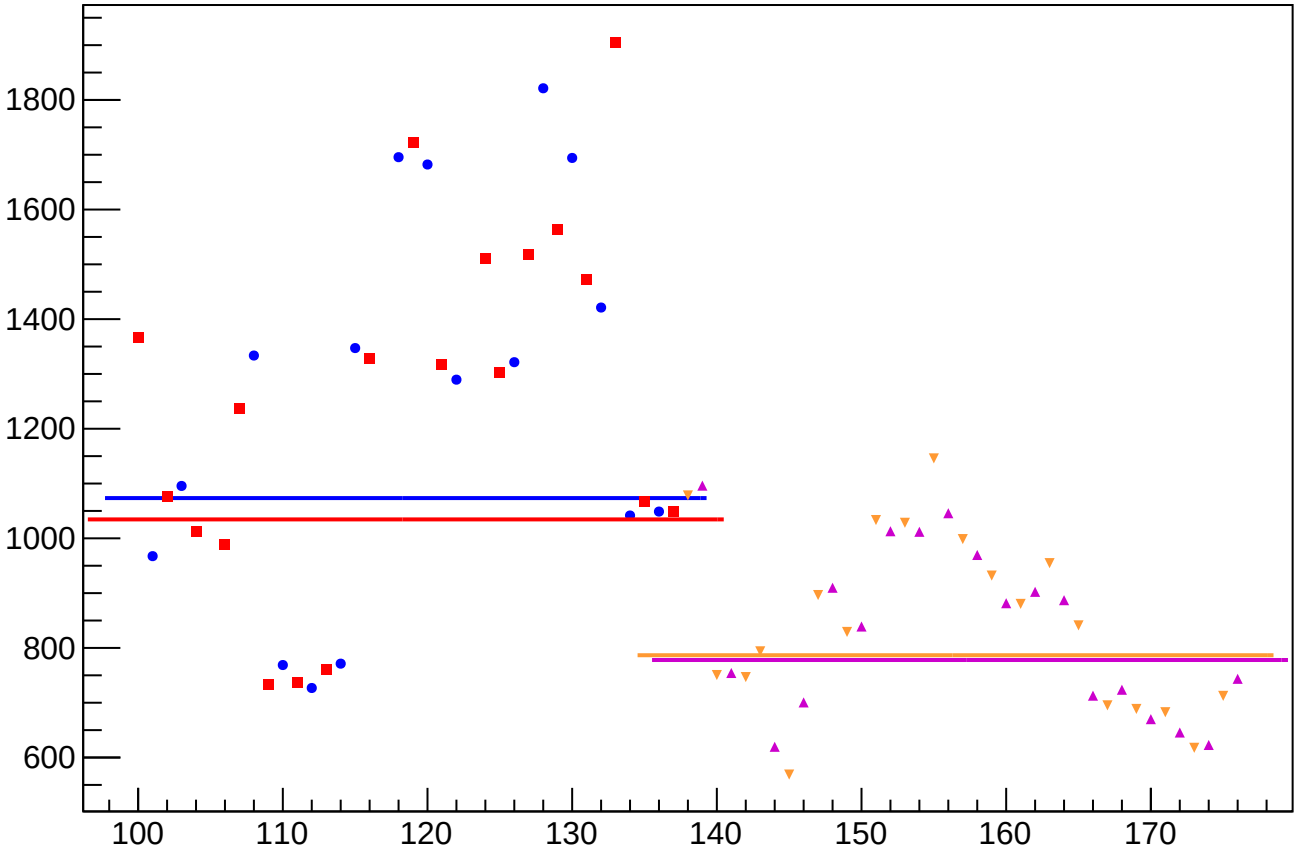
Left In: -240.336+/-201.279 χ^2/NDF:18.6/18

+ sign -930.038+/-181.518 χ^2/NDF: 83.1/35

All: -653.480+/-127.616 χ^2/NDF: 121.9/73

- sign -383.178+/-179.453 χ^2/NDF: 34.2/37

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 786.666+/-0.143 χ^2/NDF:1155954.7/19

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

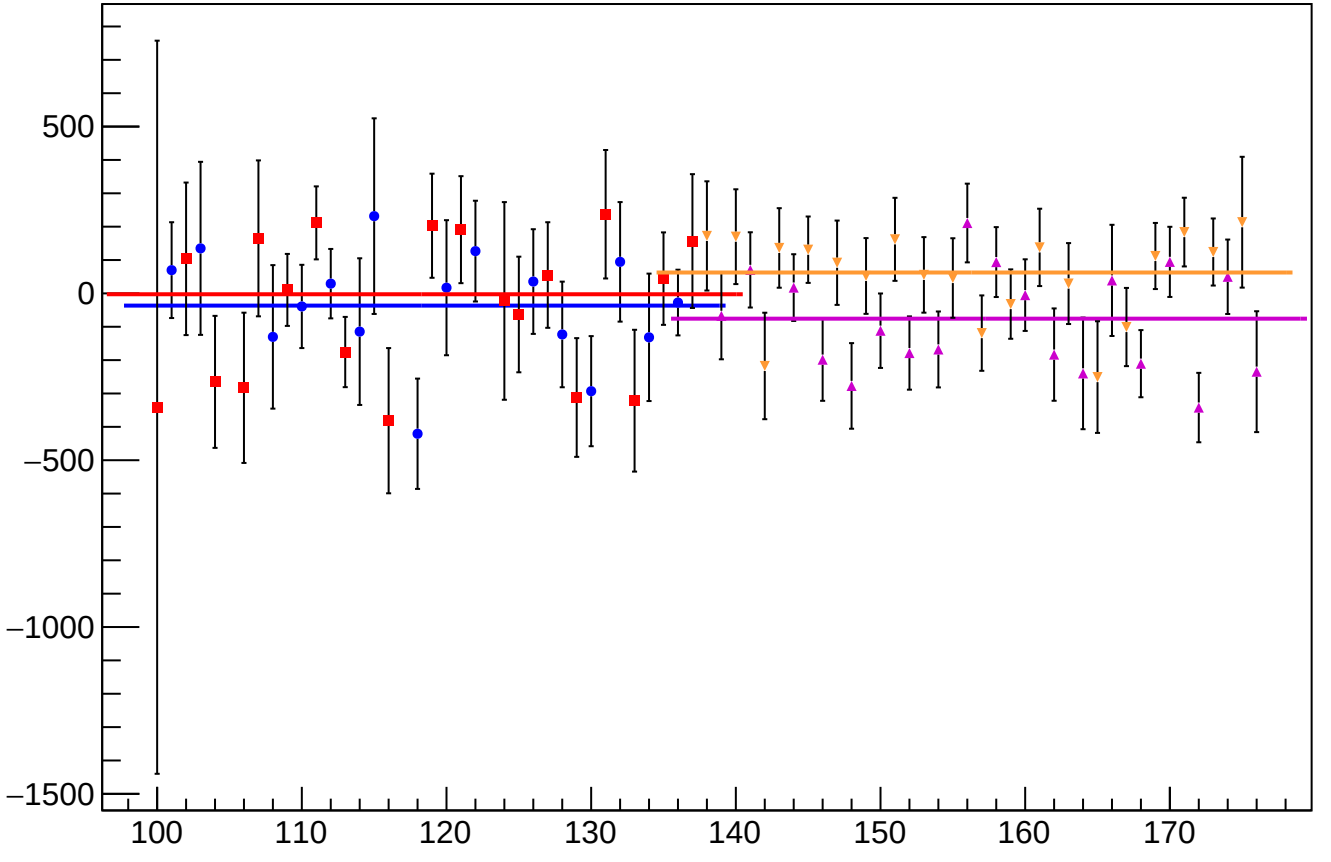
Left In: 777.954+/-0.142 χ^2/NDF:995174.3/18

+ sign 840.991+/-0.128 χ^2/NDF: 2999577.1/35

All: 835.728+/-0.090 χ^2/NDF: 5894040.6/73

- sign 830.583+/-0.127 χ^2/NDF: 2891137.9/37

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 62.604+/-26.787 χ^2/NDF:17.6/19

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

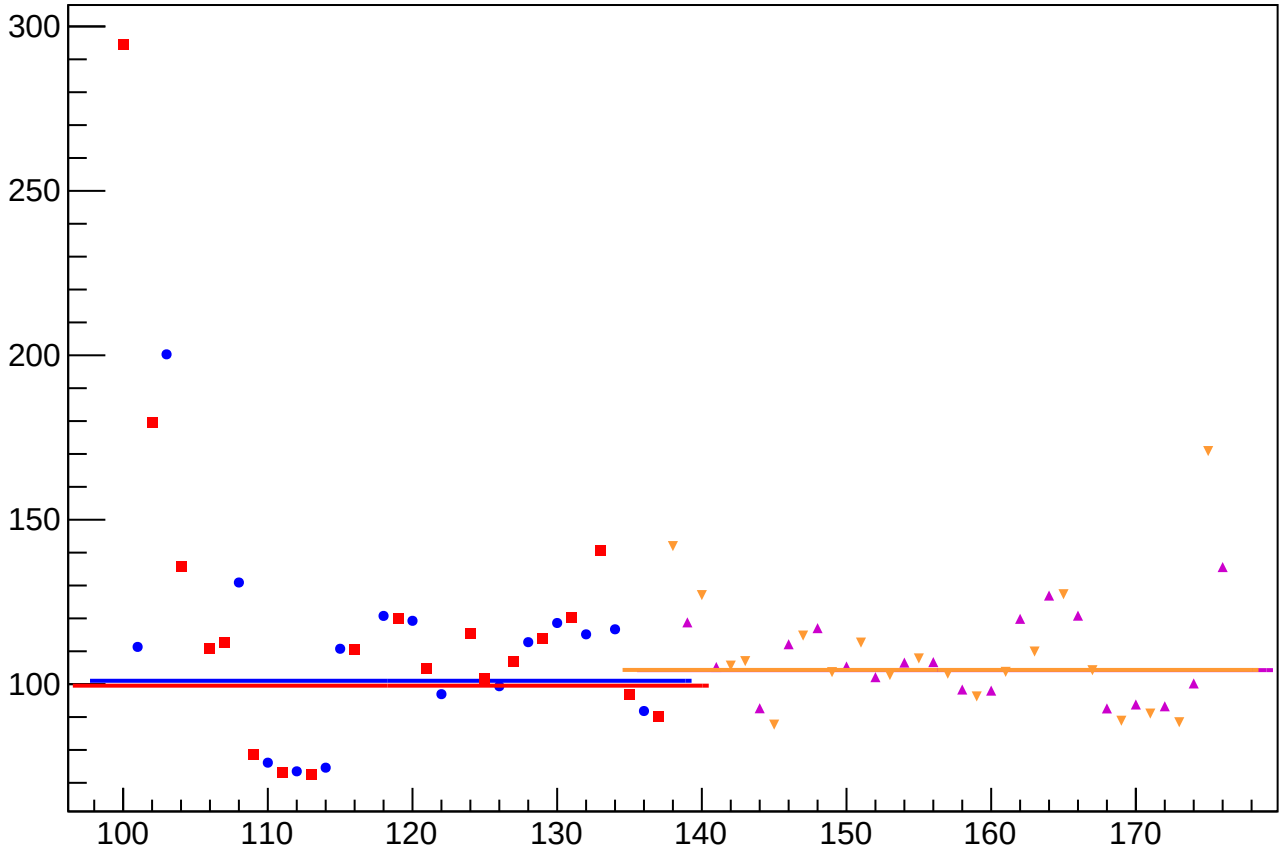
Left In: -75.760+/-27.010 χ^2/NDF:31.7/18

+ sign 30.798+/-22.079 χ^2/NDF: 34.9/35

All: -10.327+/-15.601 χ^2/NDF: 100.7/73

- sign -51.334+/-22.047 χ^2/NDF: 58.9/37

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 104.329+/-0.019 χ^2/NDF:655707.7/19

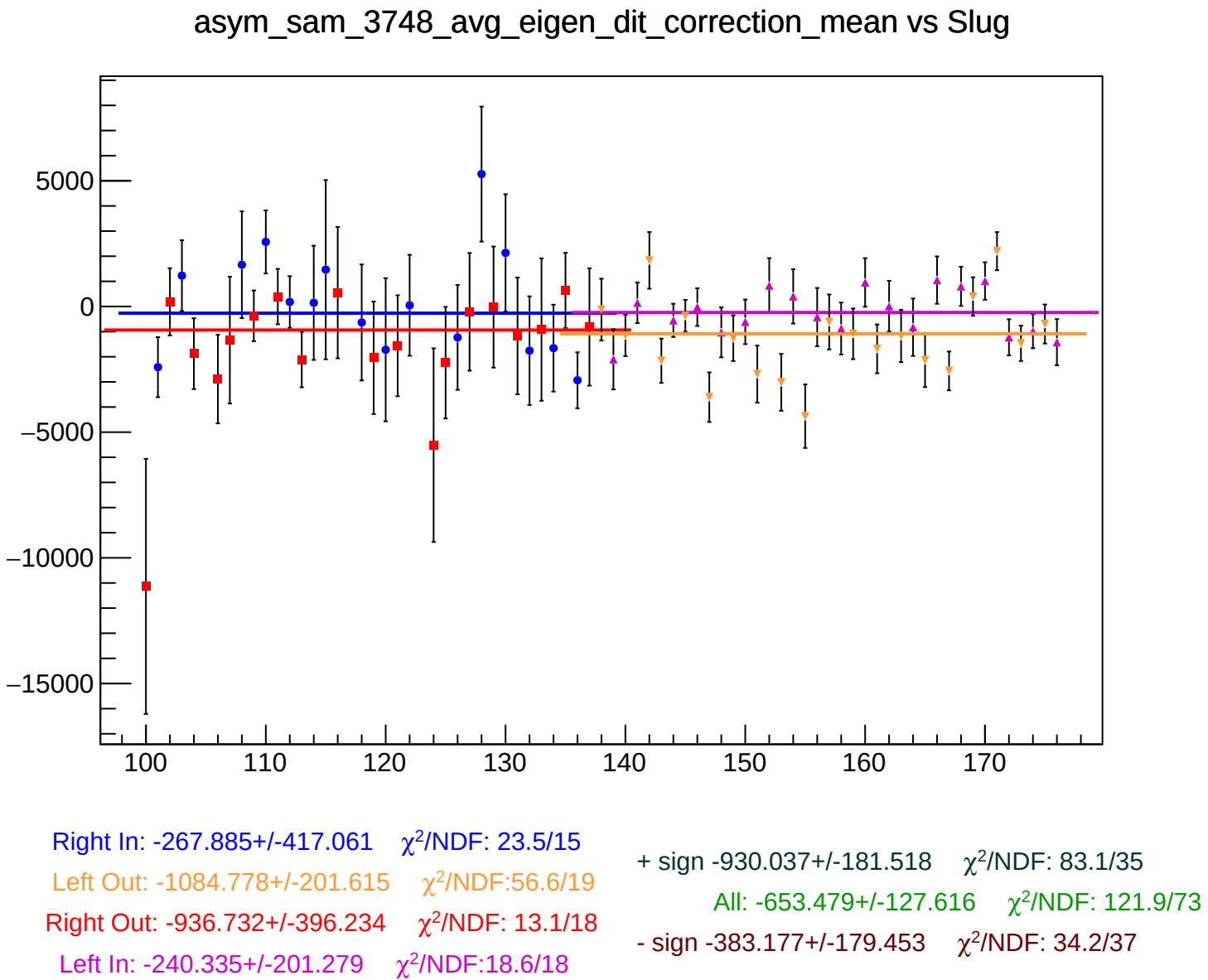
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

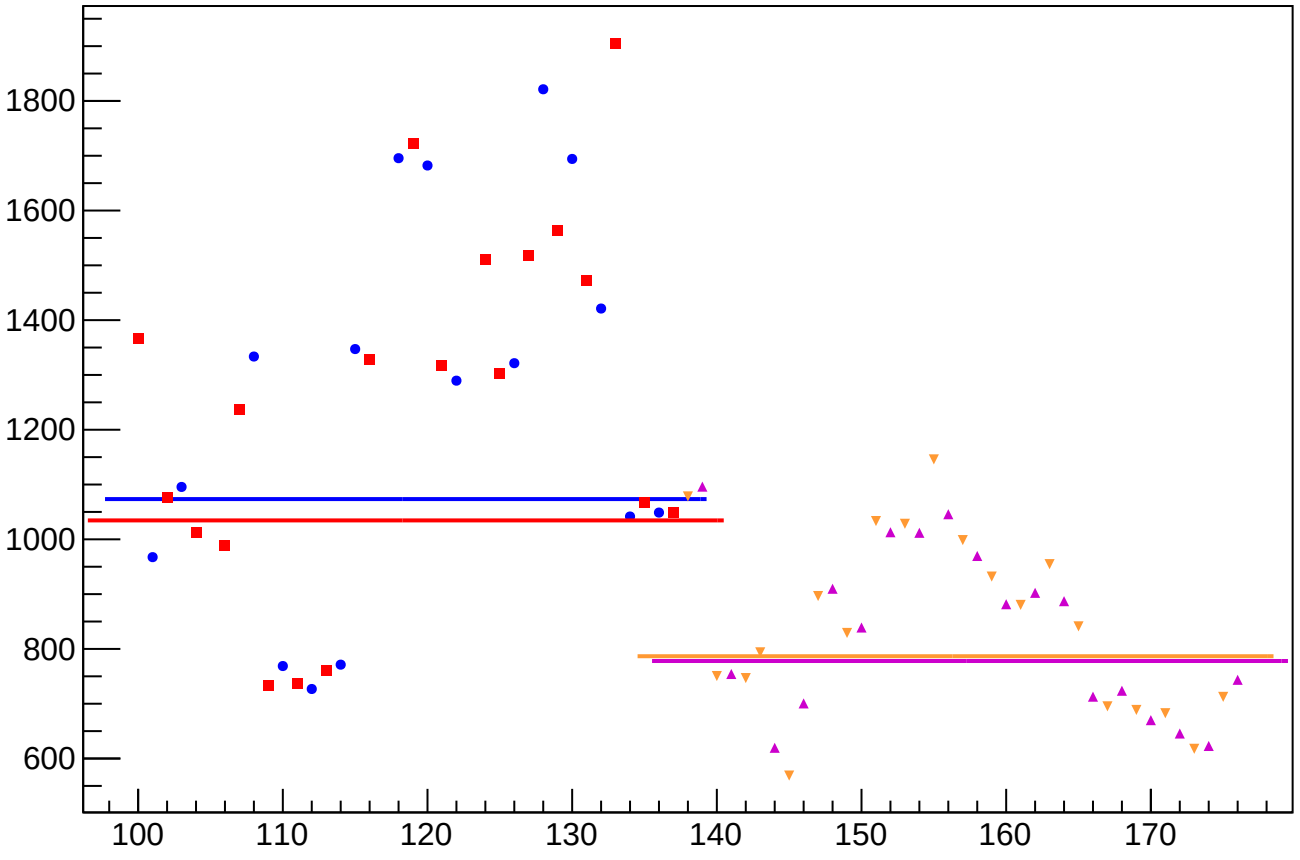
Left In: 104.266+/-0.019 χ^2/NDF:308774.2/18

+ sign 103.272+/-0.016 χ^2/NDF: 1381522.7/35

All: 102.981+/-0.011 χ^2/NDF: 2591860.4/73

- sign 102.691+/-0.016 χ^2/NDF: 1209645.4/37


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -267.885+/-417.061 χ²/NDF: 23.5/15
Left Out: -1084.778+/-201.615 χ²/NDF:56.6/19
Right Out: -936.732+/-396.234 χ²/NDF: 13.1/18
Left In: -240.335+/-201.279 χ²/NDF:18.6/18
+ sign -930.037+/-181.518 χ²/NDF: 83.1/35
All: -653.479+/-127.616 χ²/NDF: 121.9/73
- sign -383.177+/-179.453 χ²/NDF: 34.2/37



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 786.665+/-0.143 χ^2/NDF:1155958.0/19

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

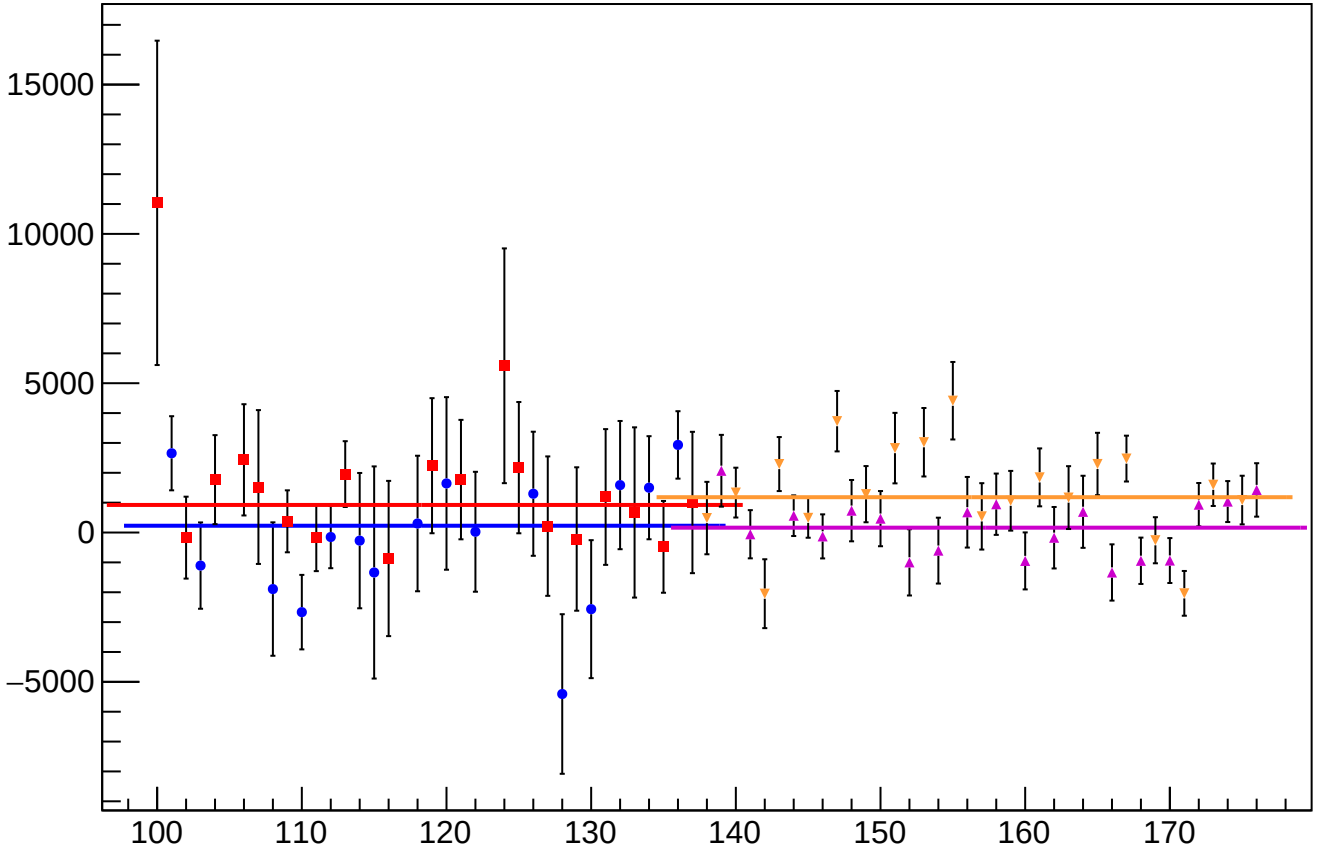
Left In: 777.953+/-0.142 χ^2/NDF:995175.9/18

+ sign 840.990+/-0.128 χ^2/NDF: 2999584.9/35

All: 835.726+/-0.090 χ^2/NDF: 5894052.8/73

- sign 830.581+/-0.127 χ^2/NDF: 2891142.2/37

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1182.936+/-204.675 χ^2/NDF:55.0/19

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

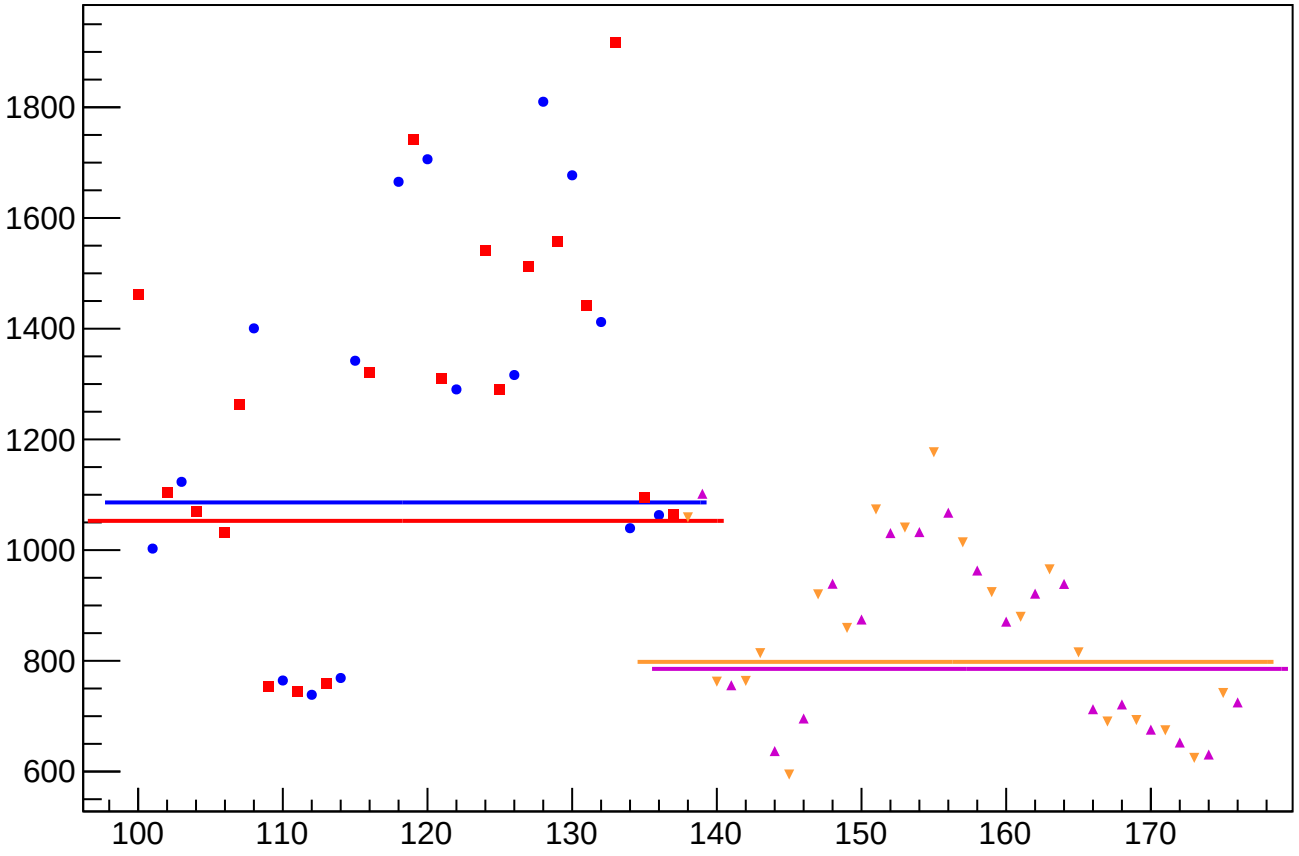
Left In: 162.386+/-203.280 χ^2/NDF:19.0/18

+ sign 1000.871+/-184.144 χ^2/NDF: 83.6/35

All: 653.866+/-129.267 χ^2/NDF: 123.6/73

- sign 316.730+/-181.507 χ^2/NDF: 33.0/37

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 798.120+/-0.145 χ^2/NDF:1124299.5/19

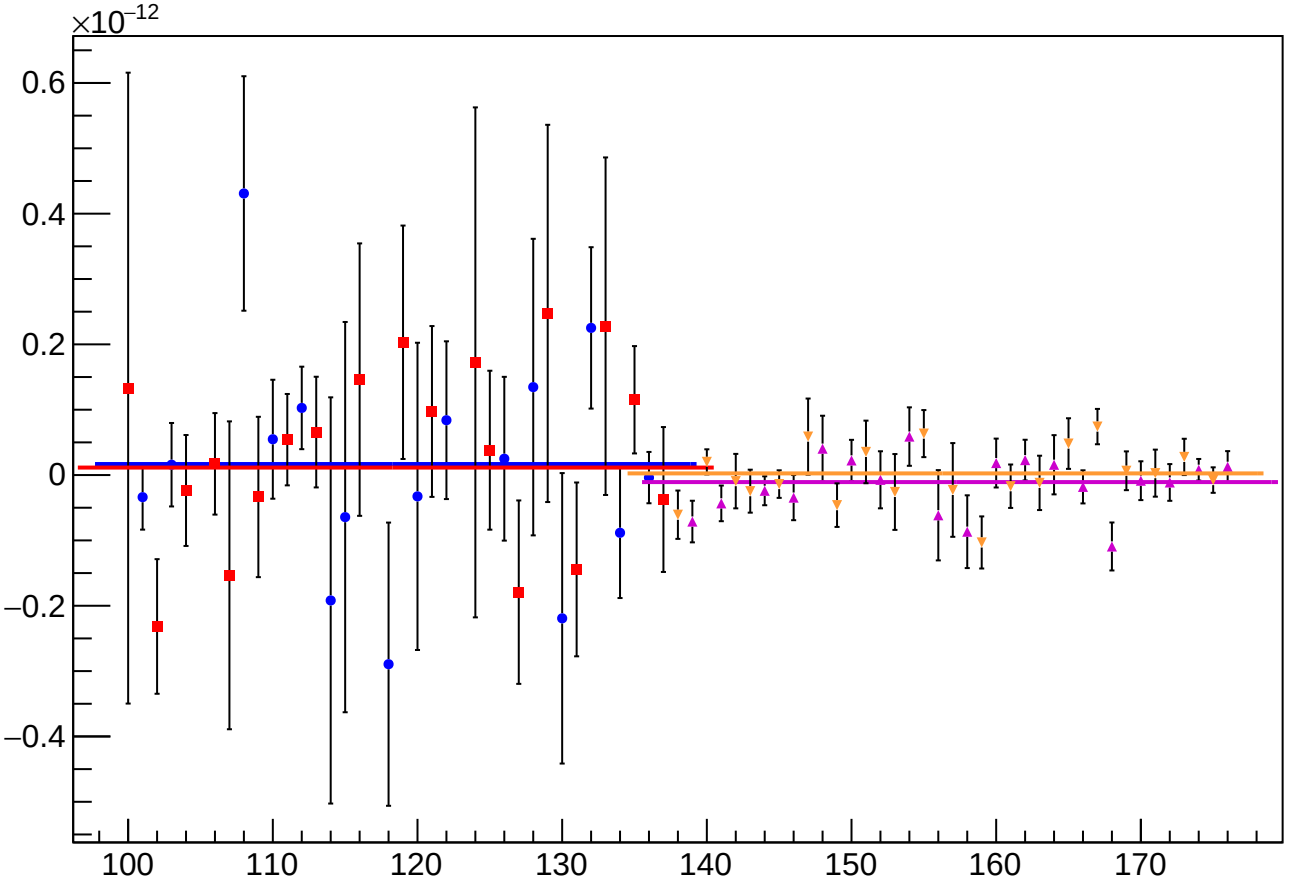
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 785.435+/-0.144 χ^2/NDF:1031081.1/18

+ sign 853.004+/-0.130 χ^2/NDF: 2926456.8/35

All: 846.230+/-0.091 χ^2/NDF: 5858920.4/73

- sign 839.649+/-0.128 χ^2/NDF: 2927127.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.9/19

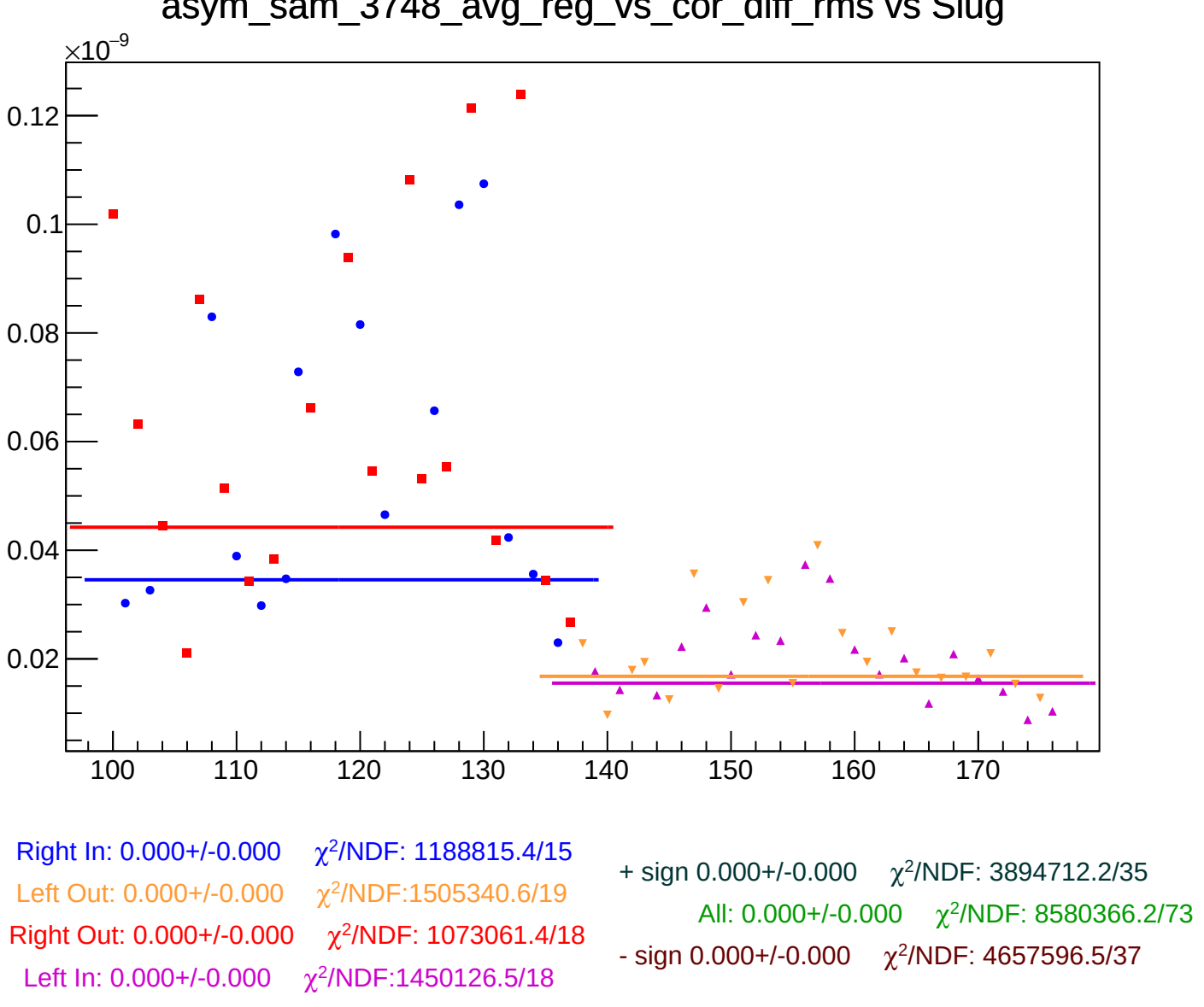
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:24.5/18

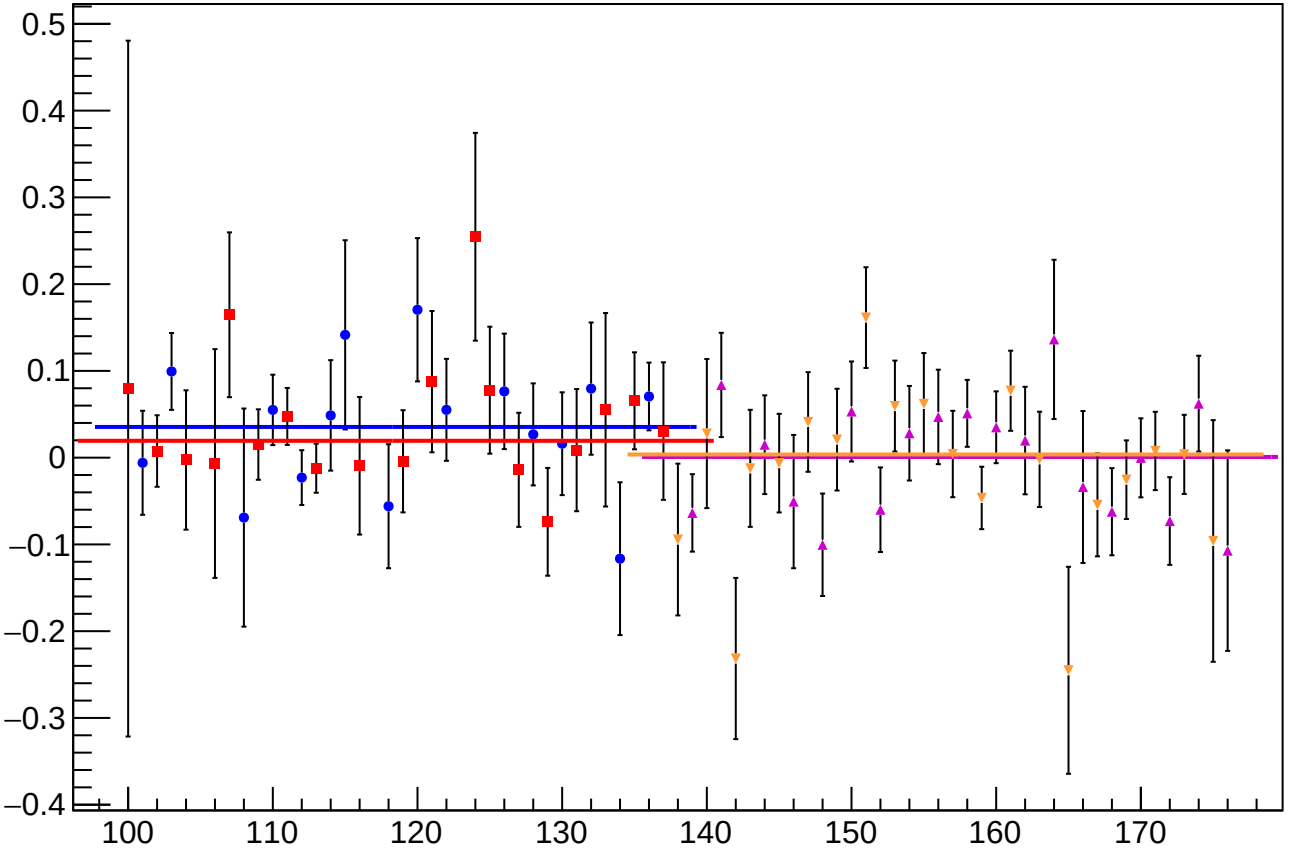
+ sign 0.000+/-0.000 χ^2/NDF: 46.2/35

All: -0.000+/-0.000 χ^2/NDF: 89.1/73

- sign -0.000+/-0.000 χ^2/NDF: 40.9/37


asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1188815.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1505340.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 1073061.4/18
Left In: 0.000+/-0.000 χ²/NDF:1450126.5/18
+ sign 0.000+/-0.000 χ²/NDF: 3894712.2/35
All: 0.000+/-0.000 χ²/NDF: 8580366.2/73
- sign 0.000+/-0.000 χ²/NDF: 4657596.5/37

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.6/19

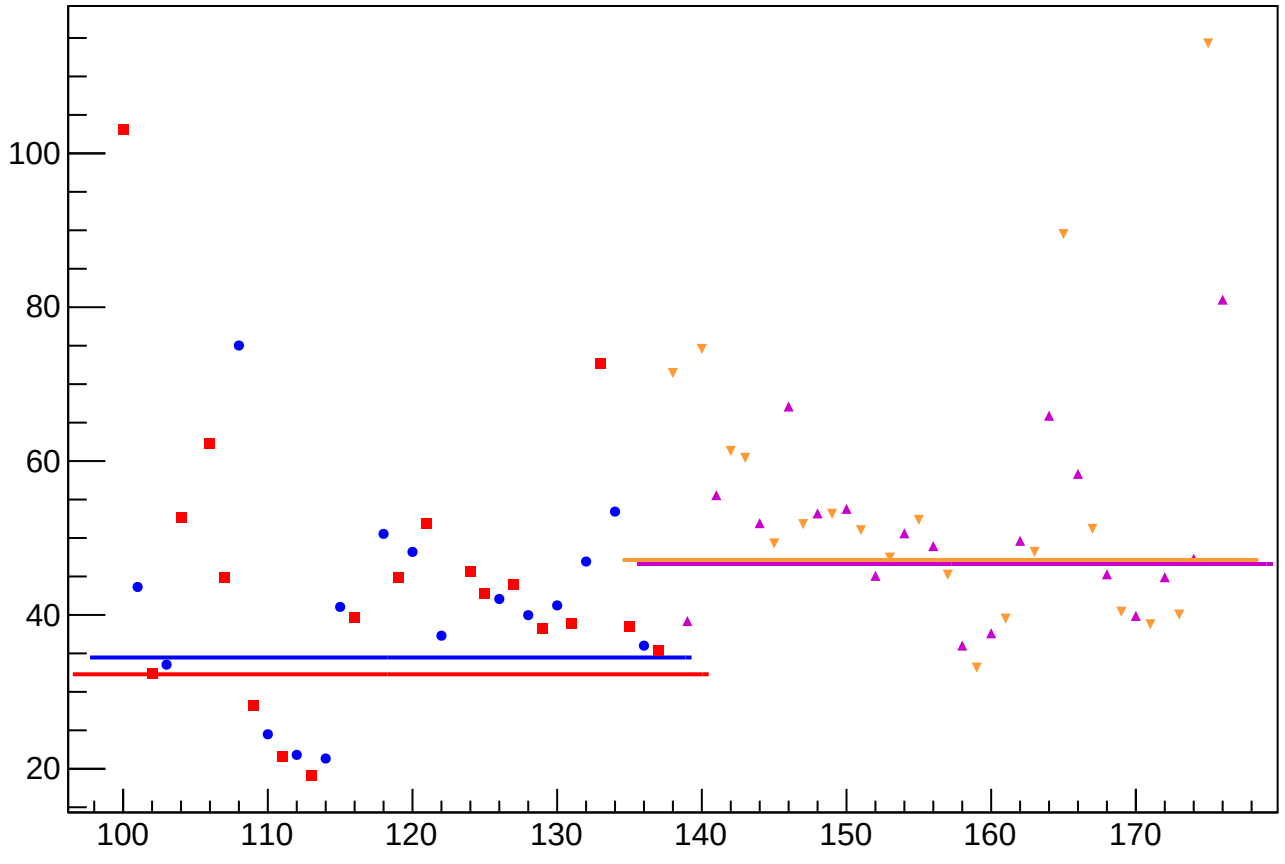
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.013 χ^2/NDF:21.4/18

+ sign 0.018+/-0.009 χ^2/NDF: 48.4/35

All: 0.014+/-0.007 χ^2/NDF: 84.7/73

- sign 0.010+/-0.009 χ^2/NDF: 35.9/37



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.146+/-0.009 χ^2/NDF:1792321.8/19

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

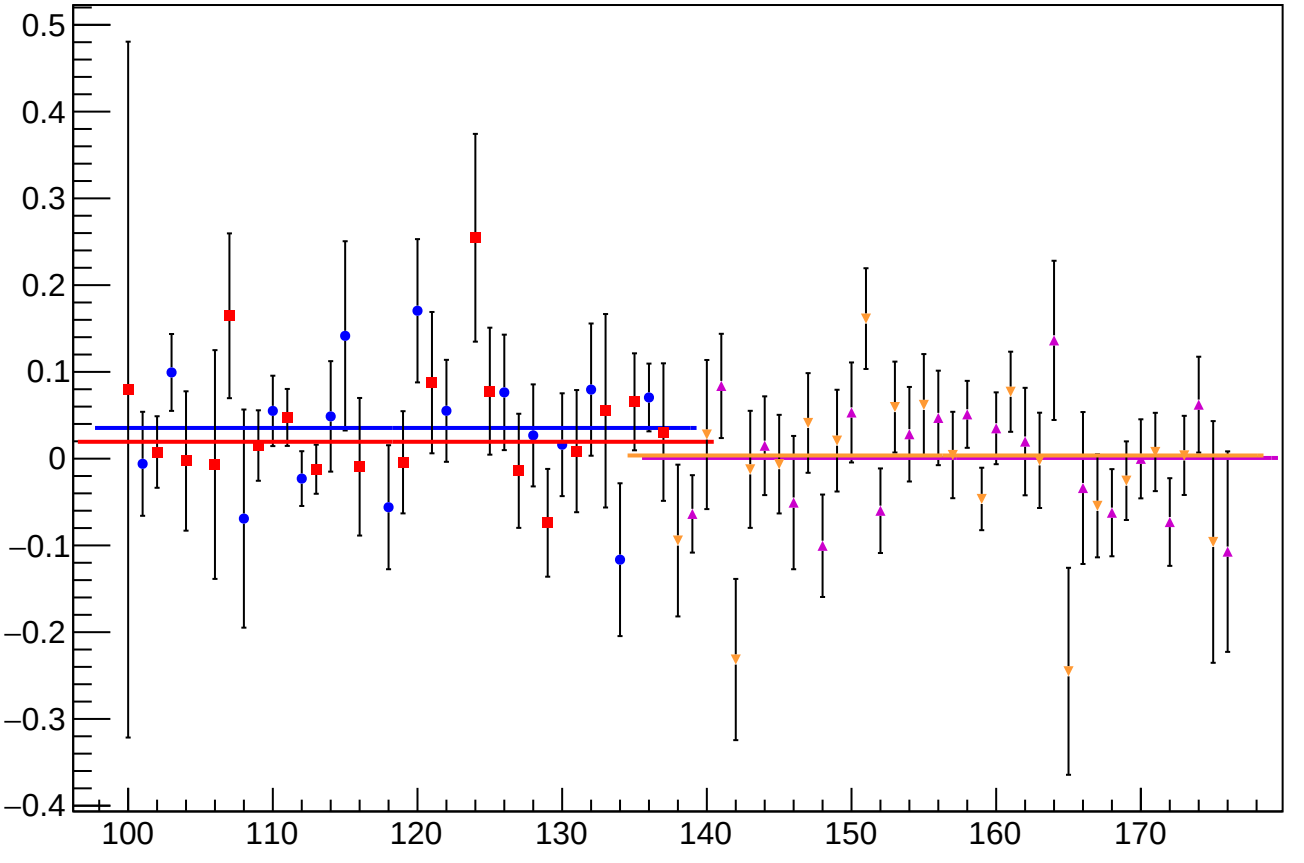
Left In: 46.619+/-0.009 χ^2/NDF:930450.6/18

+ sign 41.423+/-0.007 χ^2/NDF: 3877491.5/35

All: 40.581+/-0.005 χ^2/NDF: 7761139.1/73

- sign 39.787+/-0.006 χ^2/NDF: 3852007.6/37

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.6/19

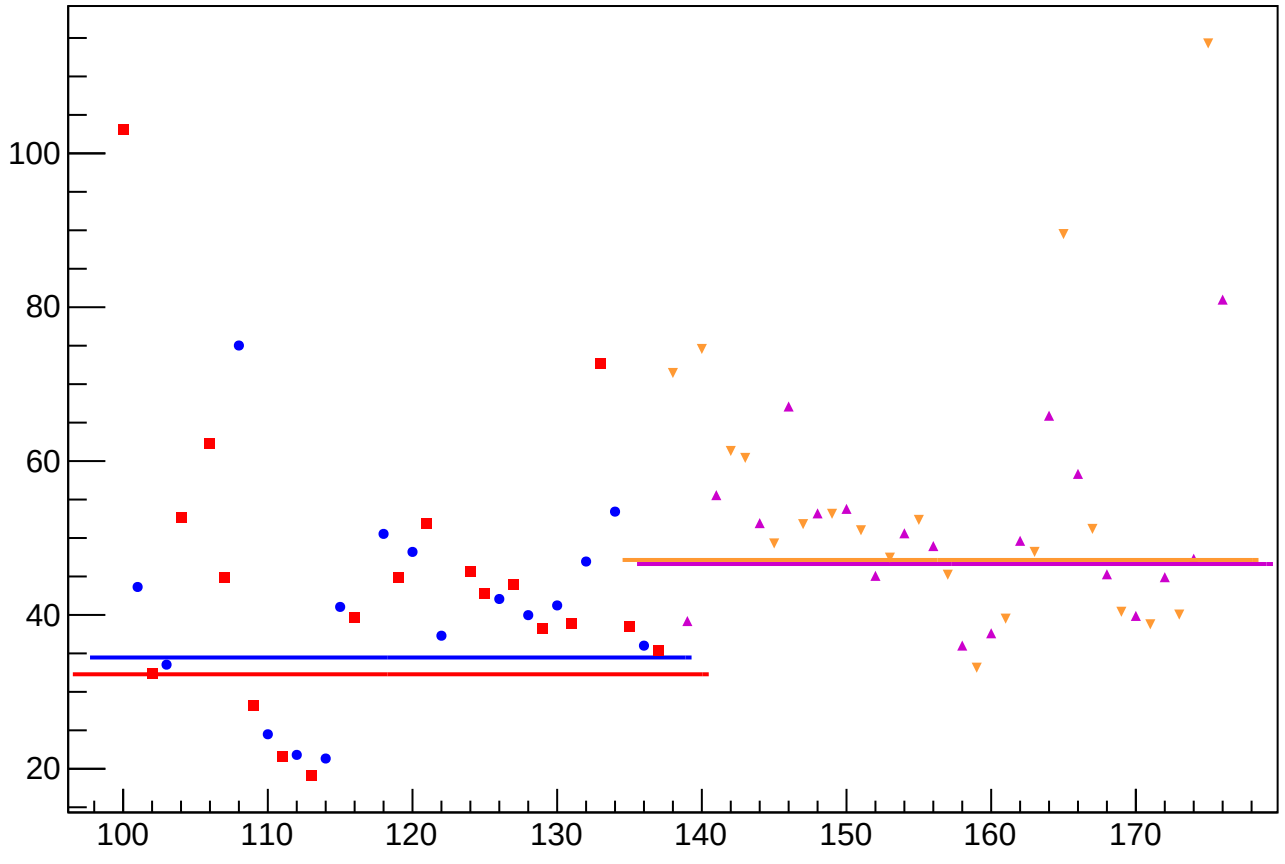
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.013 χ^2/NDF:21.4/18

+ sign 0.018+/-0.009 χ^2/NDF: 48.4/35

All: 0.014+/-0.007 χ^2/NDF: 84.7/73

- sign 0.010+/-0.009 χ^2/NDF: 35.9/37



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.146+/-0.009 χ^2/NDF:1792321.8/19

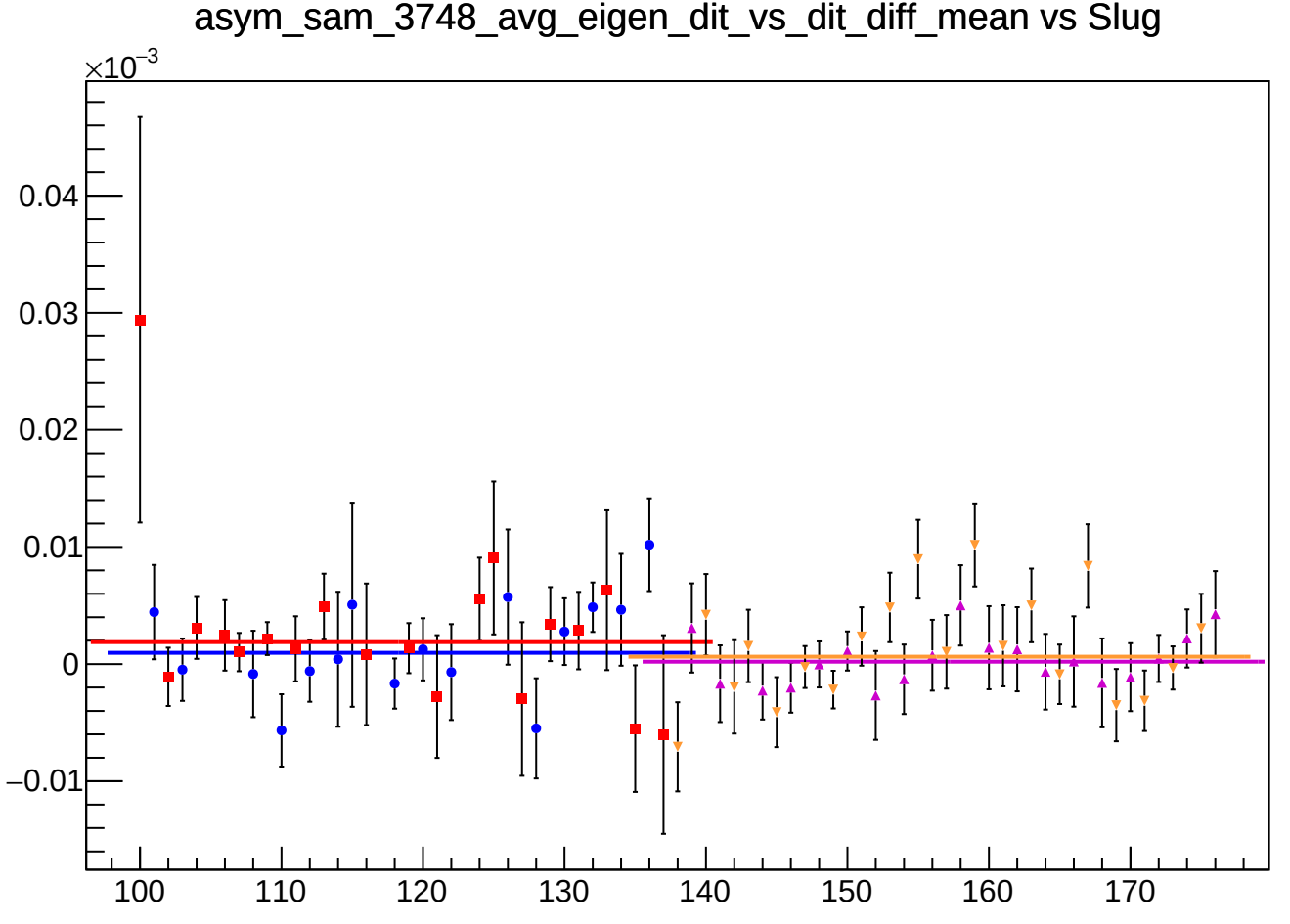
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.619+/-0.009 χ^2/NDF:930450.6/18

+ sign 41.423+/-0.007 χ^2/NDF: 3877491.5/35

All: 40.581+/-0.005 χ^2/NDF: 7761139.1/73

- sign 39.787+/-0.006 χ^2/NDF: 3852007.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.4/19

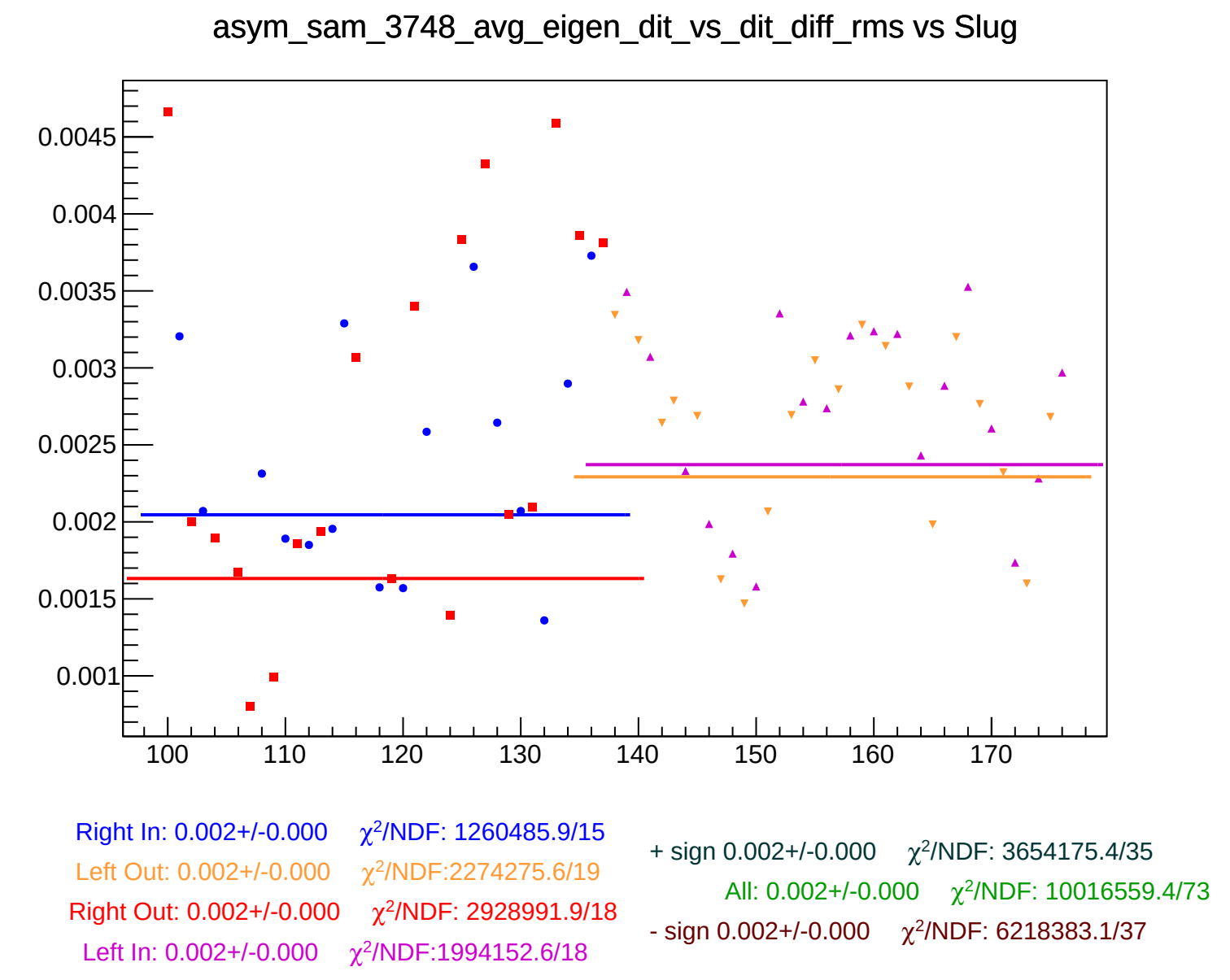
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/18

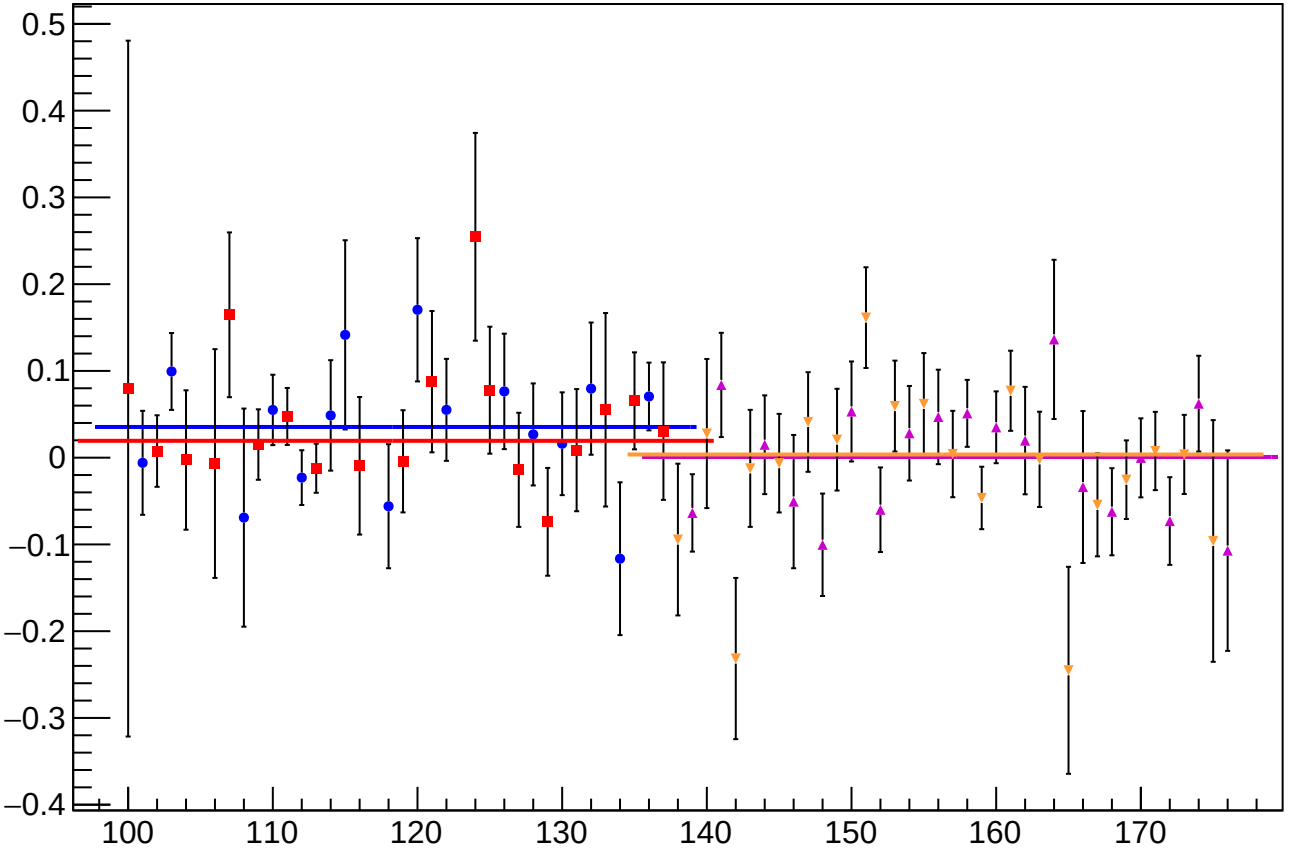
+ sign 0.000+/-0.000 χ^2/NDF: 60.4/35

All: 0.000+/-0.000 χ^2/NDF: 85.4/73

- sign 0.000+/-0.000 χ^2/NDF: 24.9/37


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2274275.6/19
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1994152.6/18
+ sign 0.002+/-0.000 χ²/NDF: 3654175.4/35
All: 0.002+/-0.000 χ²/NDF: 10016559.4/73
- sign 0.002+/-0.000 χ²/NDF: 6218383.1/37

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.6/19

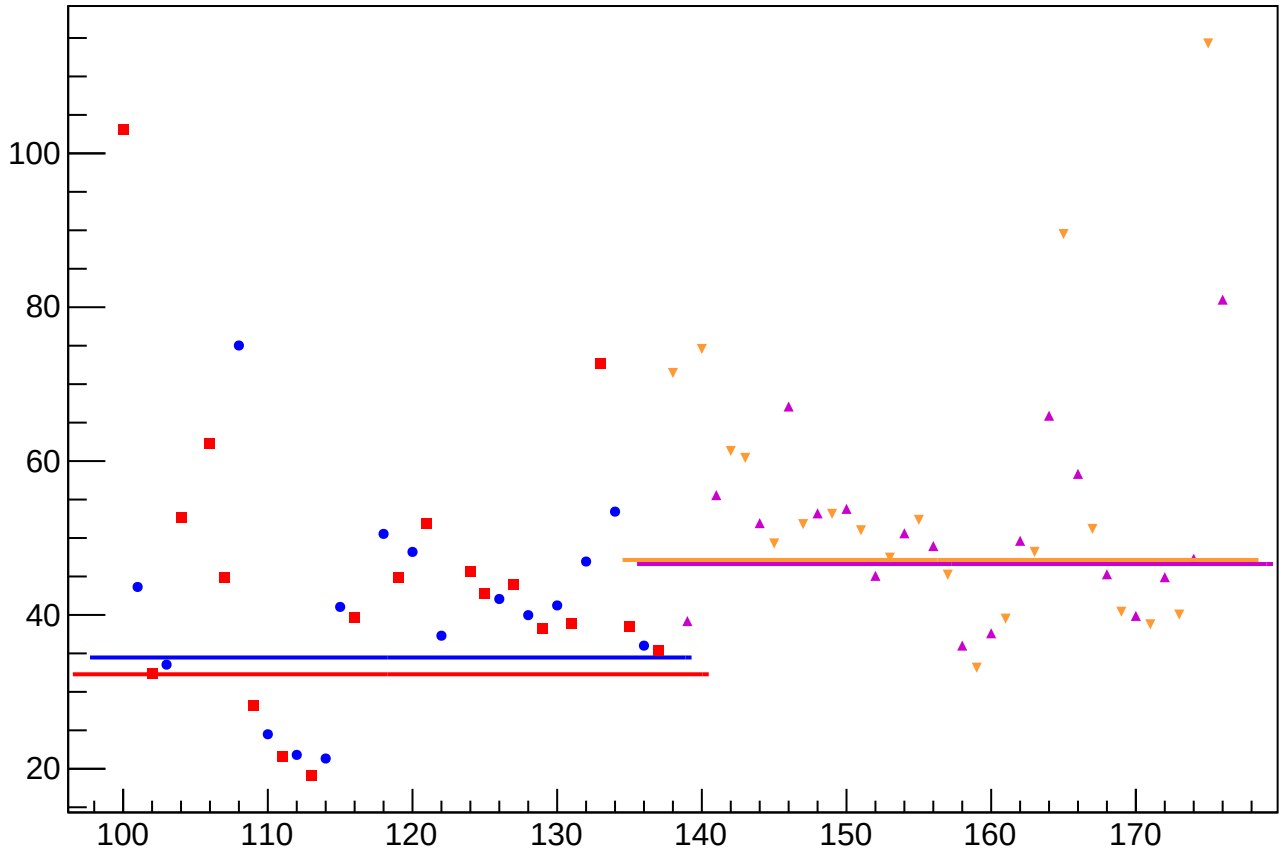
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.013 χ^2/NDF:21.4/18

+ sign 0.018+/-0.009 χ^2/NDF: 48.4/35

All: 0.014+/-0.007 χ^2/NDF: 84.7/73

- sign 0.010+/-0.009 χ^2/NDF: 35.9/37



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.147+/-0.009 χ^2/NDF:1792328.2/19

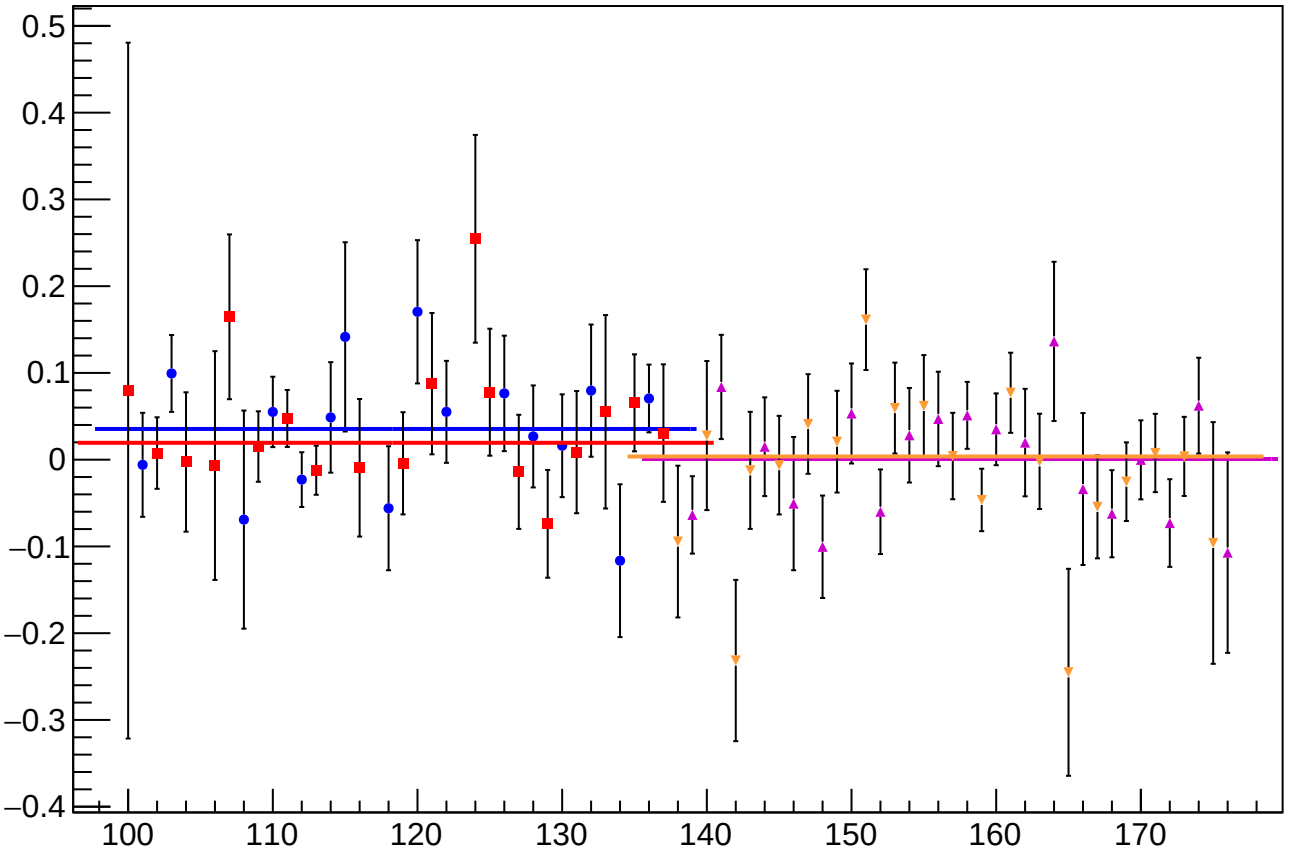
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.619+/-0.009 χ^2/NDF:930466.5/18

+ sign 41.424+/-0.007 χ^2/NDF: 3877471.3/35

All: 40.581+/-0.005 χ^2/NDF: 7761106.6/73

- sign 39.788+/-0.006 χ^2/NDF: 3851995.4/37



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.6/19

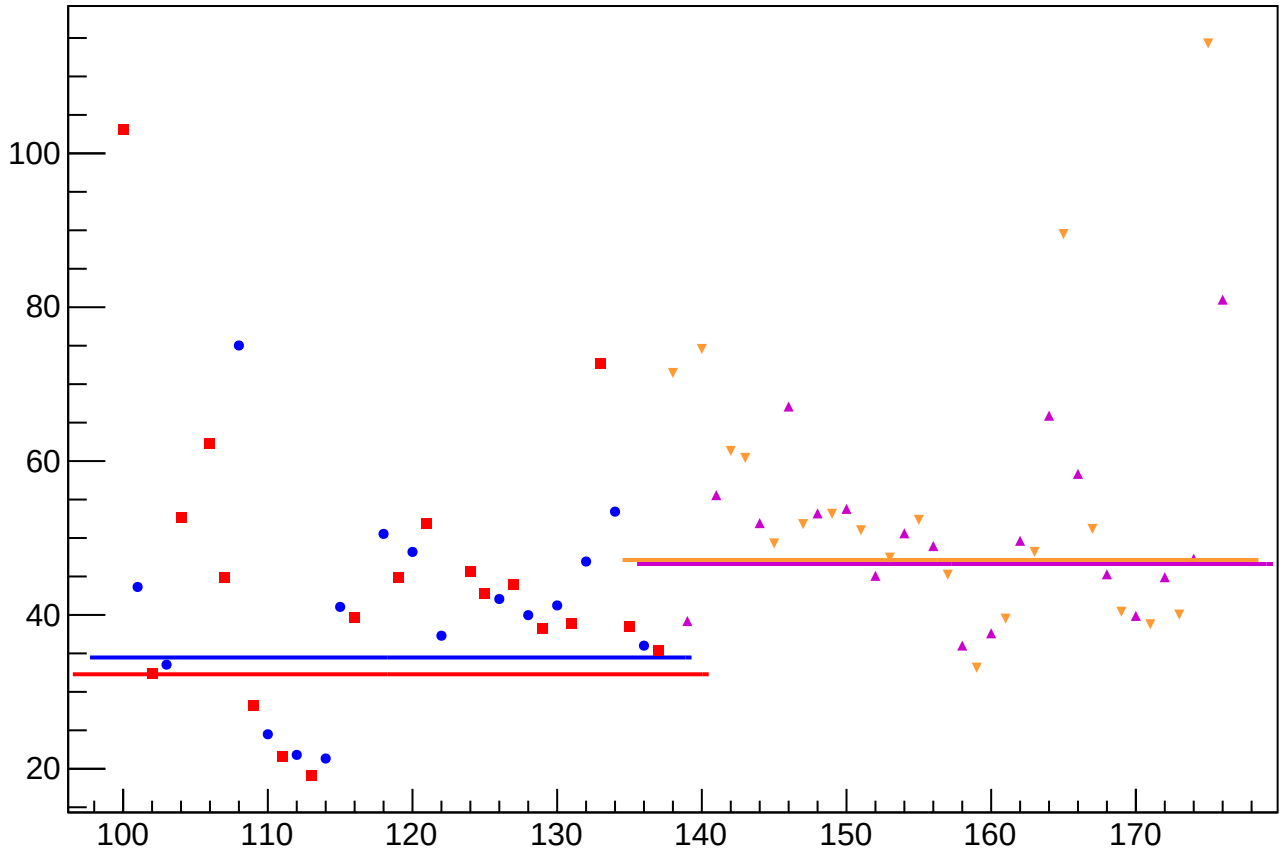
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.013 χ^2/NDF:21.4/18

+ sign 0.018+/-0.009 χ^2/NDF: 48.4/35

All: 0.014+/-0.007 χ^2/NDF: 84.7/73

- sign 0.010+/-0.009 χ^2/NDF: 35.9/37



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.147+/-0.009 χ^2/NDF:1792328.2/19

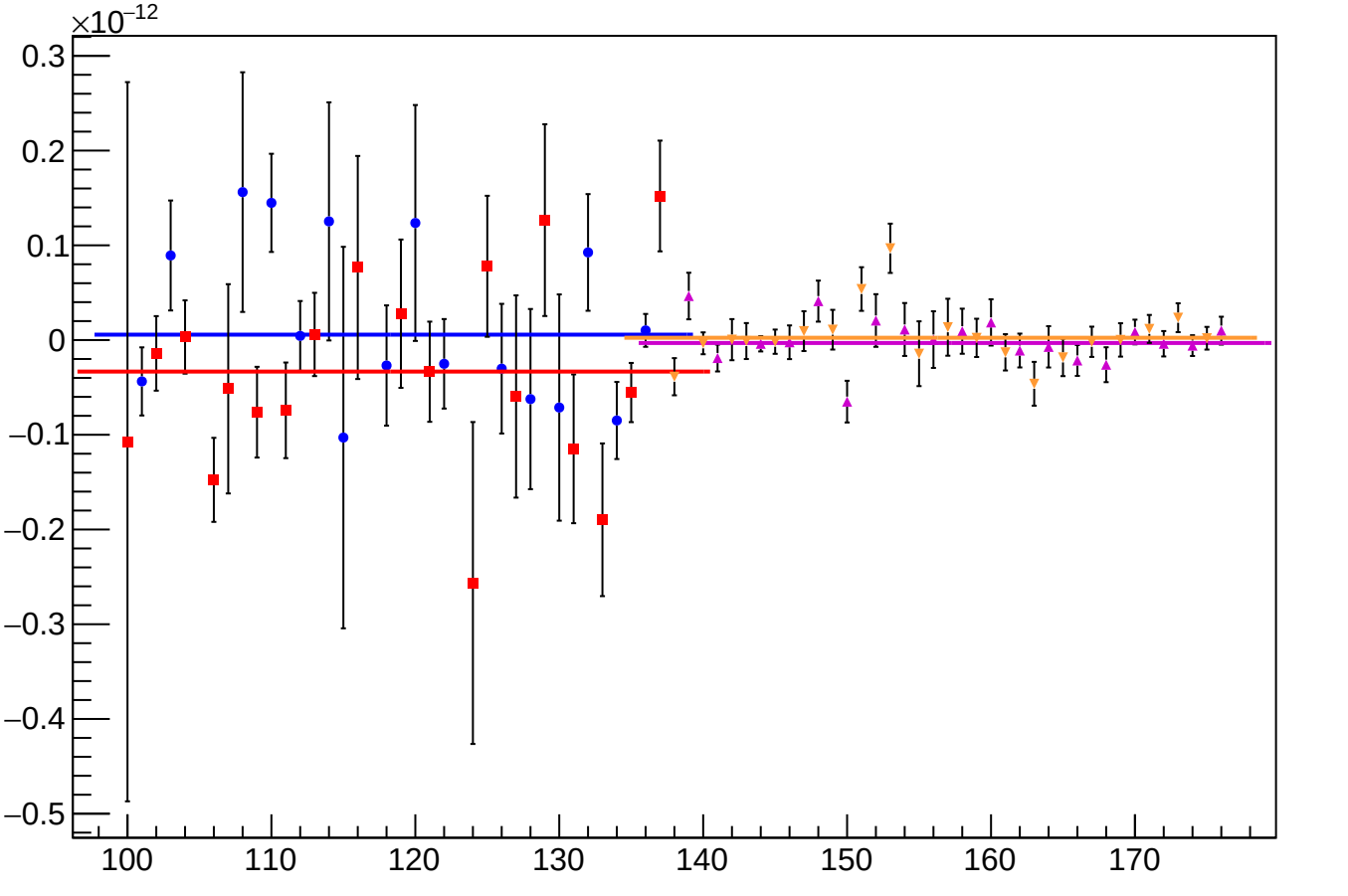
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.619+/-0.009 χ^2/NDF:930466.5/18

+ sign 41.424+/-0.007 χ^2/NDF: 3877471.3/35

All: 40.581+/-0.005 χ^2/NDF: 7761106.6/73

- sign 39.788+/-0.006 χ^2/NDF: 3851995.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/19

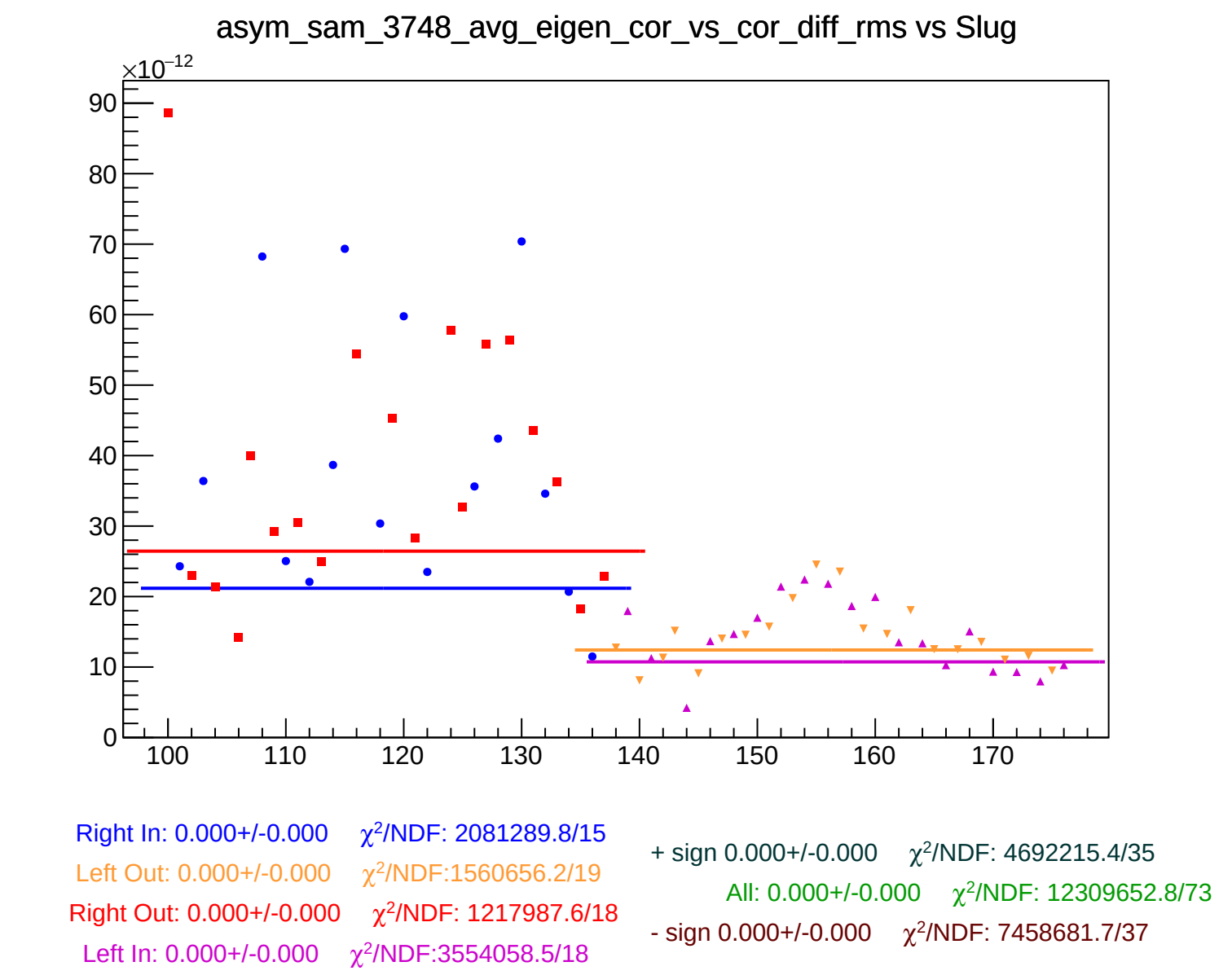
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:24.2/18

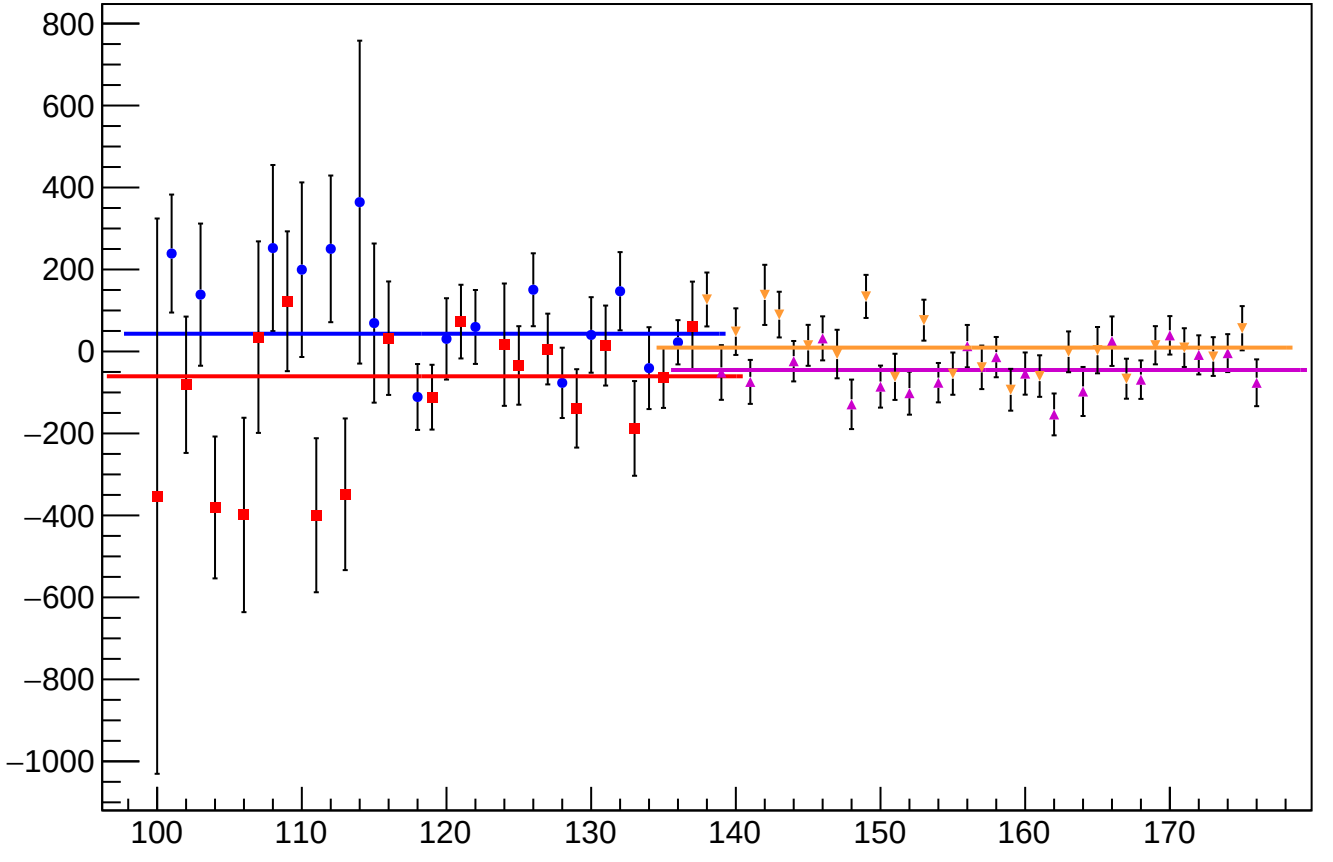
+ sign 0.000+/-0.000 χ^2/NDF: 55.9/35

All: -0.000+/-0.000 χ^2/NDF: 120.9/73

- sign -0.000+/-0.000 χ^2/NDF: 62.6/37


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1560656.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3554058.5/18
+ sign 0.000+/-0.000 χ²/NDF: 4692215.4/35
All: 0.000+/-0.000 χ²/NDF: 12309652.8/73
- sign 0.000+/-0.000 χ²/NDF: 7458681.7/37

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 9.406+/-11.825 χ^2/NDF:29.7/19

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

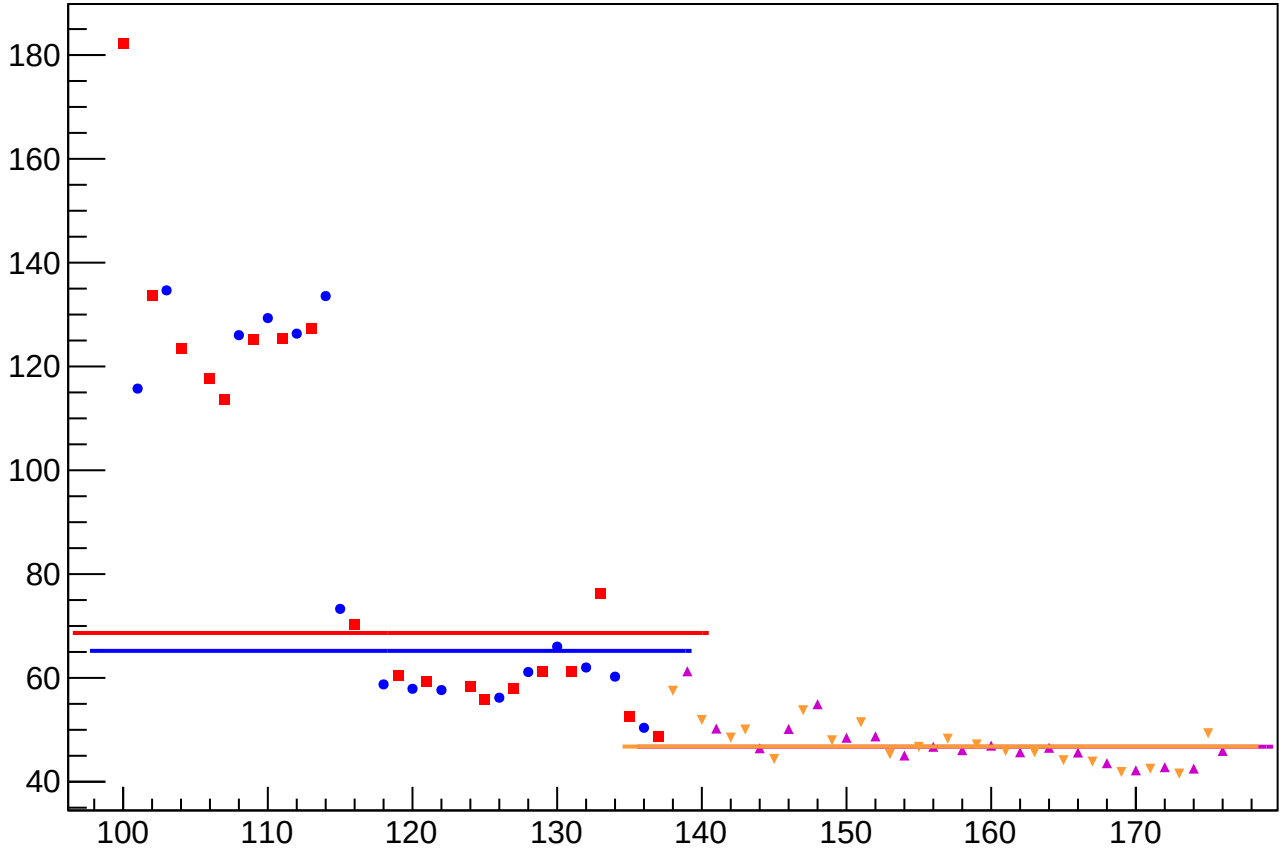
Left In: -45.209+/-11.949 χ^2/NDF:20.2/18

+ sign 15.288+/-10.748 χ^2/NDF: 46.1/35

All: -15.727+/-7.660 χ^2/NDF: 103.9/73

- sign -47.743+/-10.920 χ^2/NDF: 40.9/37

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.777+/-0.008 χ^2/NDF:208683.9/19

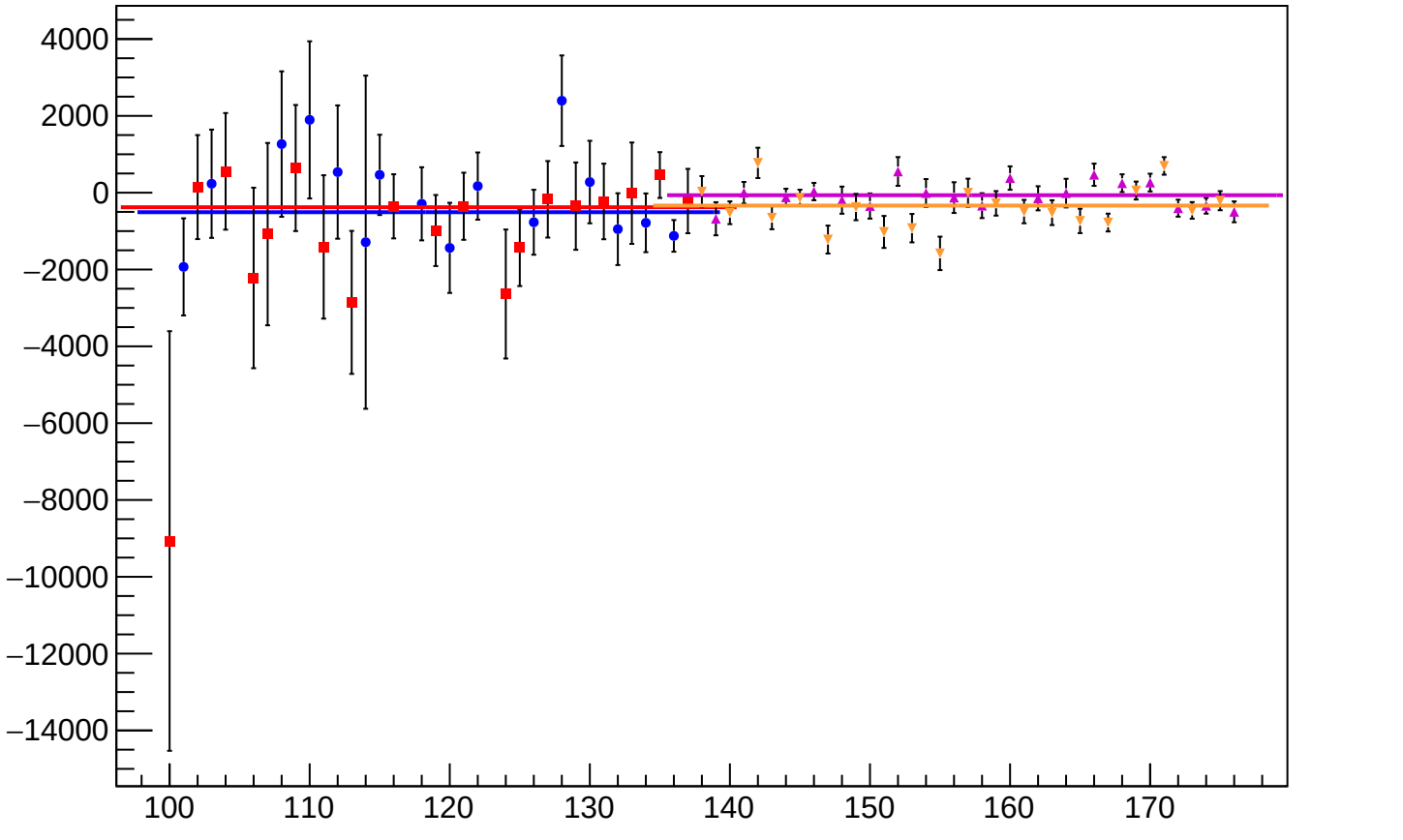
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 46.749+/-0.008 χ^2/NDF:216618.2/18

+ sign 49.981+/-0.008 χ^2/NDF: 2500125.2/35

All: 50.168+/-0.005 χ^2/NDF: 5467133.7/73

- sign 50.361+/-0.008 χ^2/NDF: 2965781.9/37



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -335.710+/-65.560 χ^2/NDF:60.9/19

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

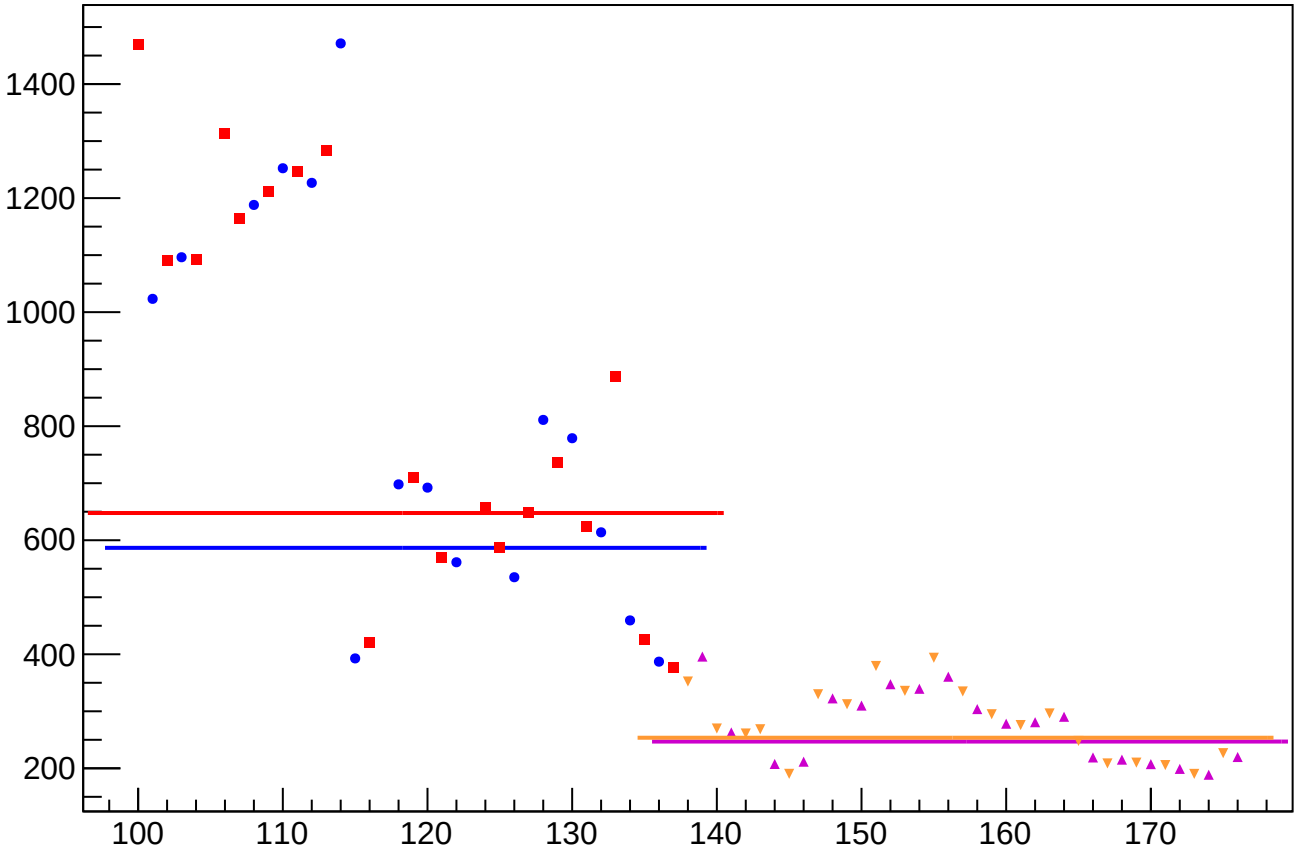
Left In: -65.757+/-64.466 χ^2/NDF:22.8/18

+ sign -347.957+/-63.186 χ^2/NDF: 77.0/35

All: -214.770+/-44.442 χ^2/NDF: 121.7/73

- sign -84.374+/-62.520 χ^2/NDF: 35.9/37

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 253.639+/-0.046 χ^2/NDF:1549046.3/19

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

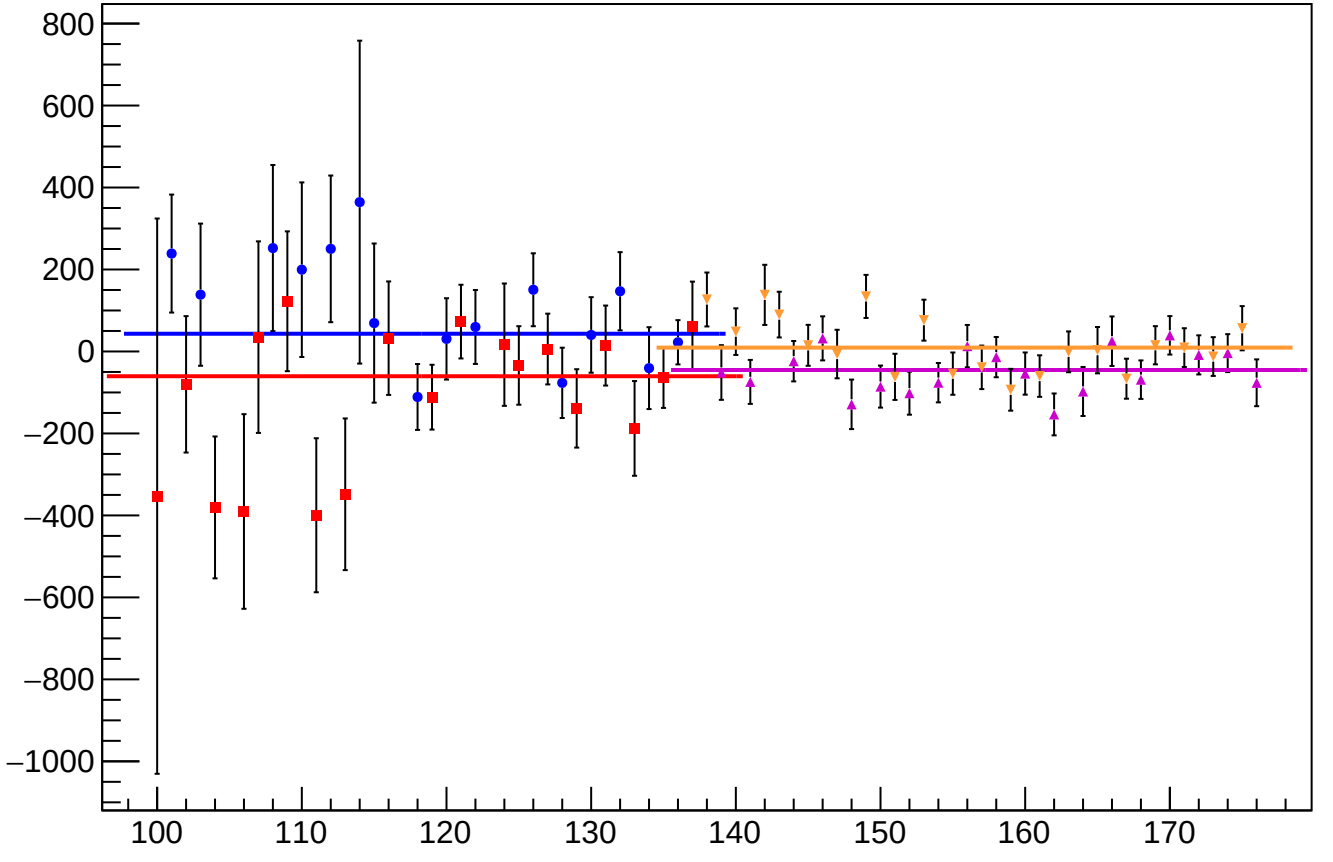
Left In: 246.909+/-0.046 χ^2/NDF:1480886.9/18

+ sign 277.320+/-0.045 χ^2/NDF: 7271648.2/35

All: 273.995+/-0.031 χ^2/NDF: 15466008.7/73

- sign 270.740+/-0.044 χ^2/NDF: 8183401.6/37

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 9.407+/-11.825 χ^2/NDF:29.7/19

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

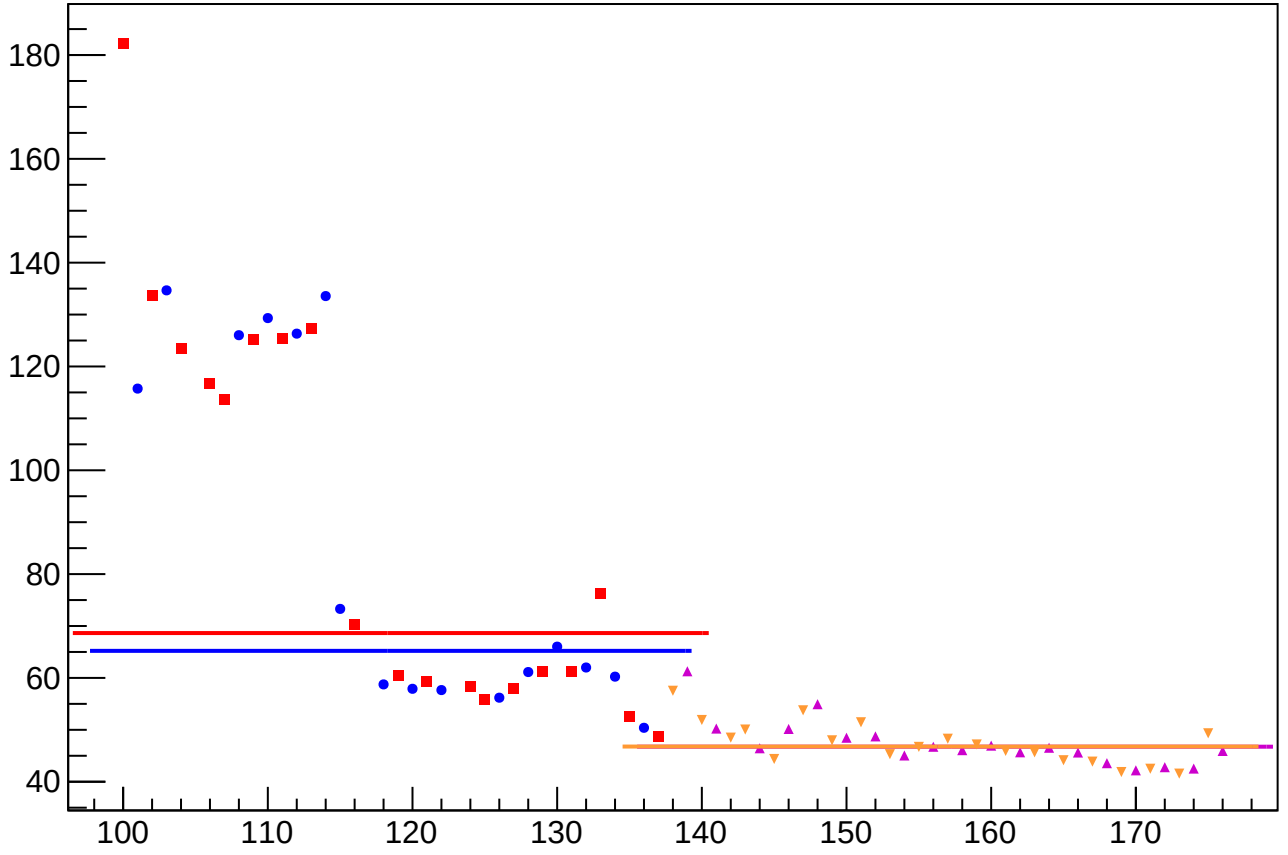
Left In: -45.208+/-11.949 χ^2/NDF:20.2/18

+ sign 15.287+/-10.748 χ^2/NDF: 46.1/35

All: -15.715+/-7.660 χ^2/NDF: 103.7/73

- sign -47.718+/-10.920 χ^2/NDF: 40.8/37

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.777+/-0.008 χ^2/NDF:208683.9/19

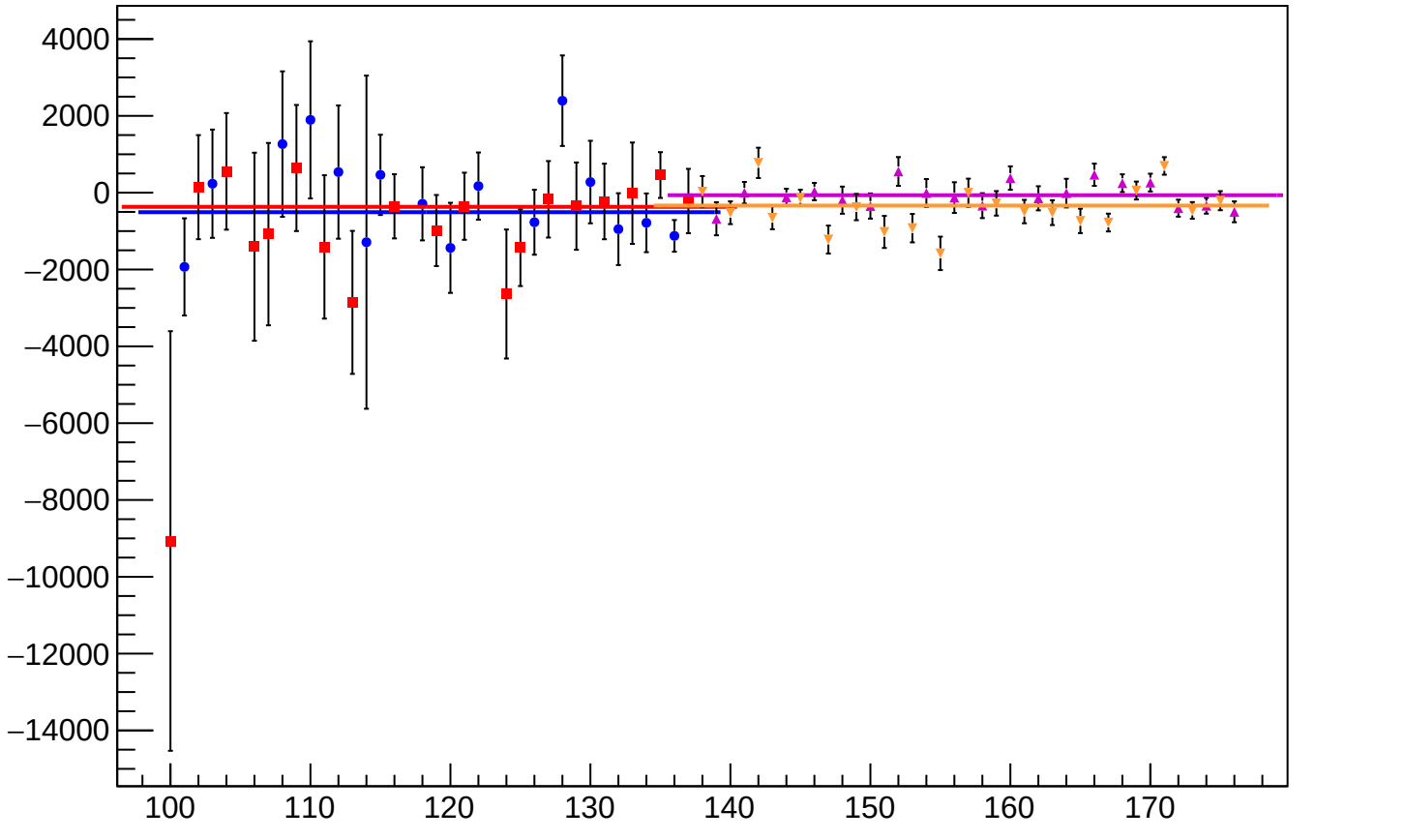
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.749+/-0.008 χ^2/NDF:216618.2/18

+ sign 49.981+/-0.008 χ^2/NDF: 2500127.2/35

All: 50.167+/-0.005 χ^2/NDF: 5462265.1/73

- sign 50.358+/-0.008 χ^2/NDF: 2960927.8/37



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -335.708+/-65.560 χ^2/NDF:60.9/19

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

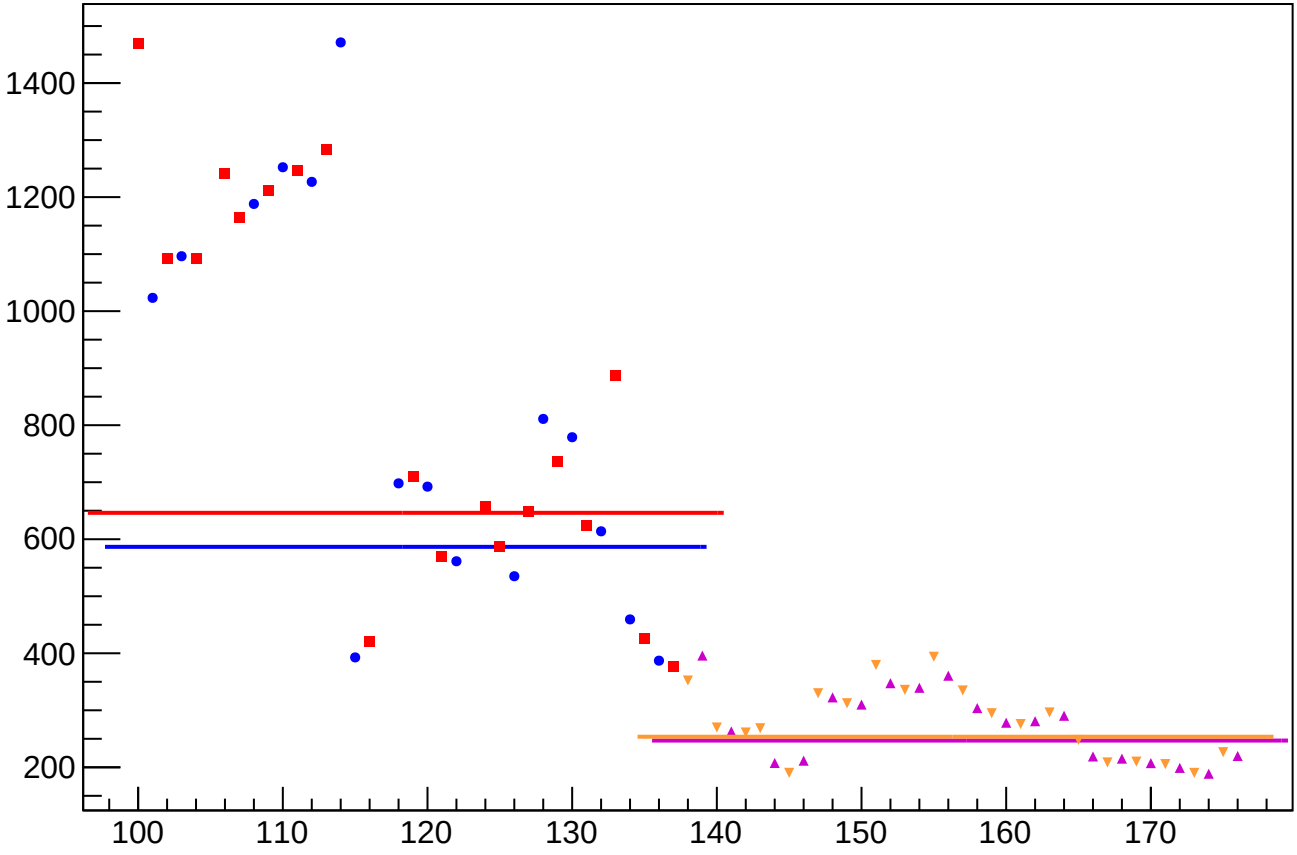
Left In: -65.755+/-64.466 χ^2/NDF:22.8/18

+ sign -347.954+/-63.186 χ^2/NDF: 77.0/35

All: -214.446+/-44.443 χ^2/NDF: 121.2/73

- sign -83.728+/-62.522 χ^2/NDF: 35.4/37

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 253.639+/-0.046 χ^2/NDF:1549055.3/19

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

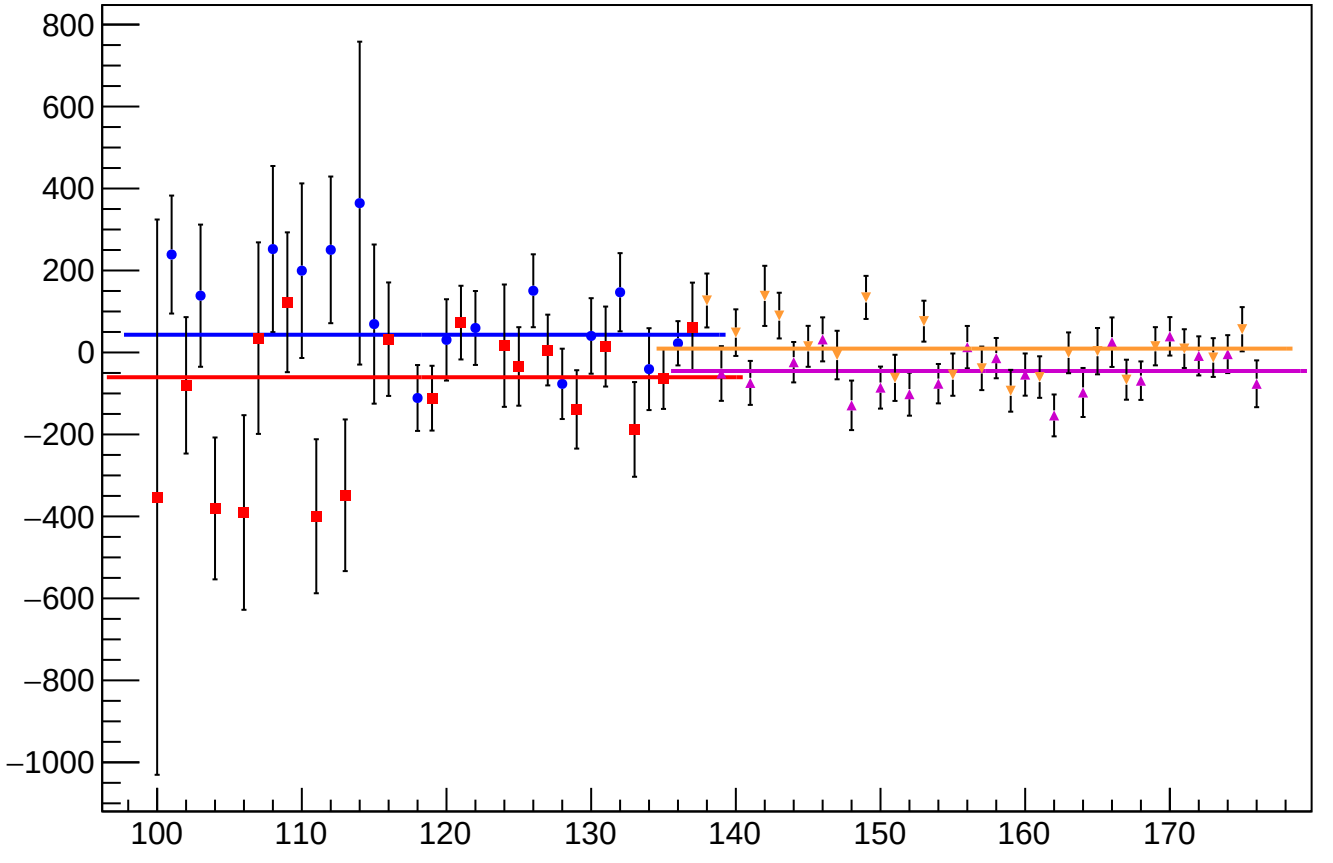
Left In: 246.909+/-0.046 χ^2/NDF:1480881.8/18

+ sign 277.320+/-0.045 χ^2/NDF: 7271683.4/35

All: 273.942+/-0.031 χ^2/NDF: 15387449.9/73

- sign 270.635+/-0.044 χ^2/NDF: 8104454.2/37

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 9.407+/-11.825 χ^2/NDF:29.7/19

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

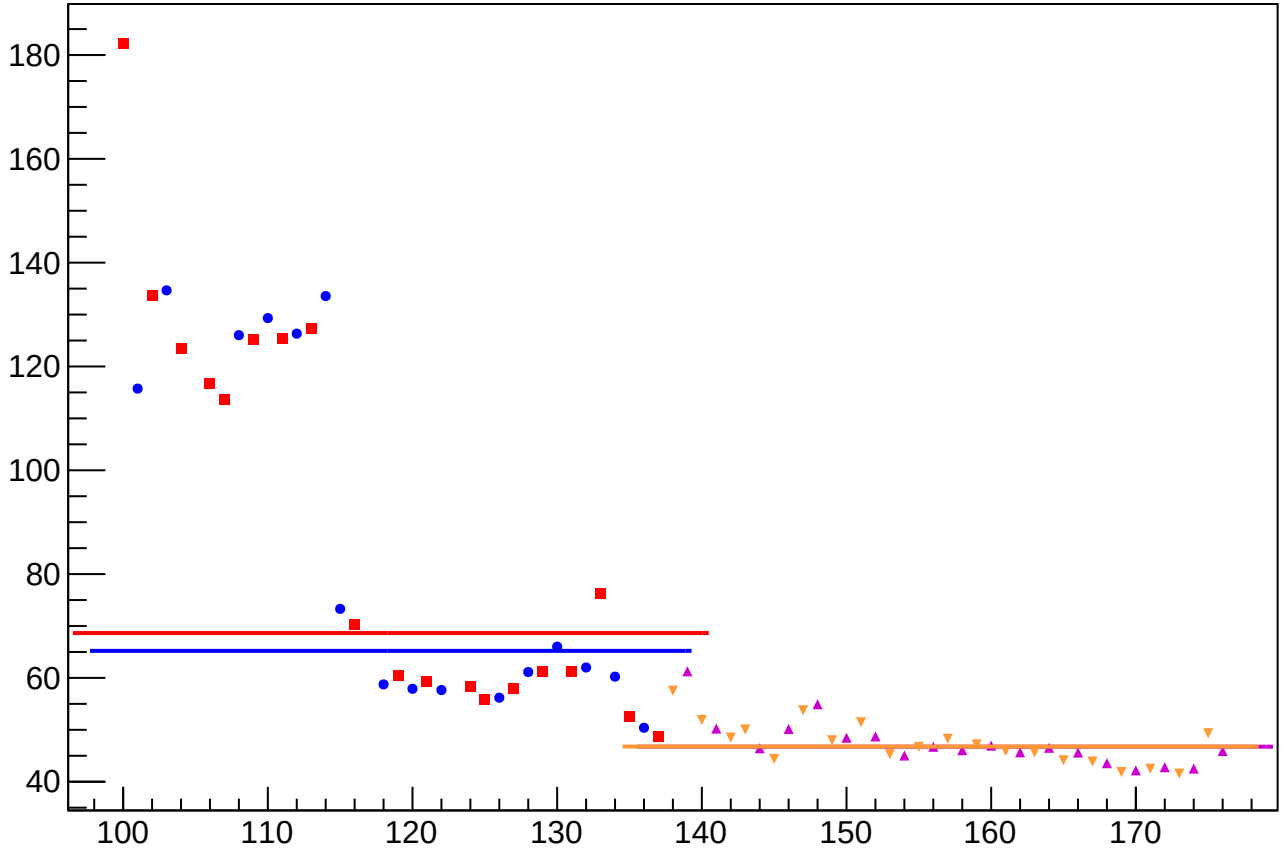
Left In: -45.208+/-11.949 χ^2/NDF:20.2/18

+ sign 15.287+/-10.748 χ^2/NDF: 46.1/35

All: -15.715+/-7.660 χ^2/NDF: 103.7/73

- sign -47.718+/-10.920 χ^2/NDF: 40.8/37

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.777+/-0.008 χ^2/NDF:208683.9/19

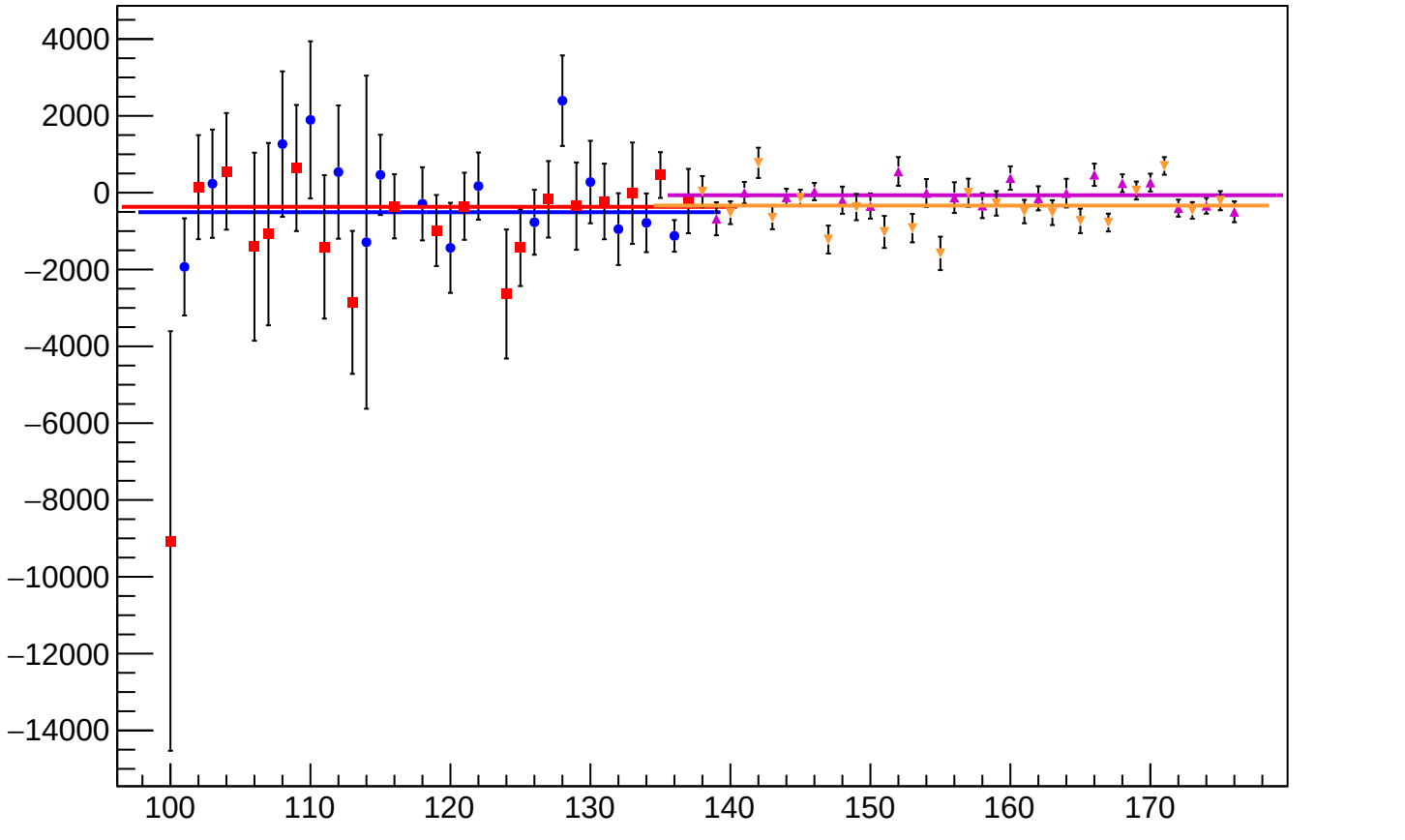
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.749+/-0.008 χ^2/NDF:216618.2/18

+ sign 49.981+/-0.008 χ^2/NDF: 2500127.2/35

All: 50.167+/-0.005 χ^2/NDF: 5462265.1/73

- sign 50.358+/-0.008 χ^2/NDF: 2960927.8/37



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -335.708+/-65.560 χ^2/NDF:60.9/19

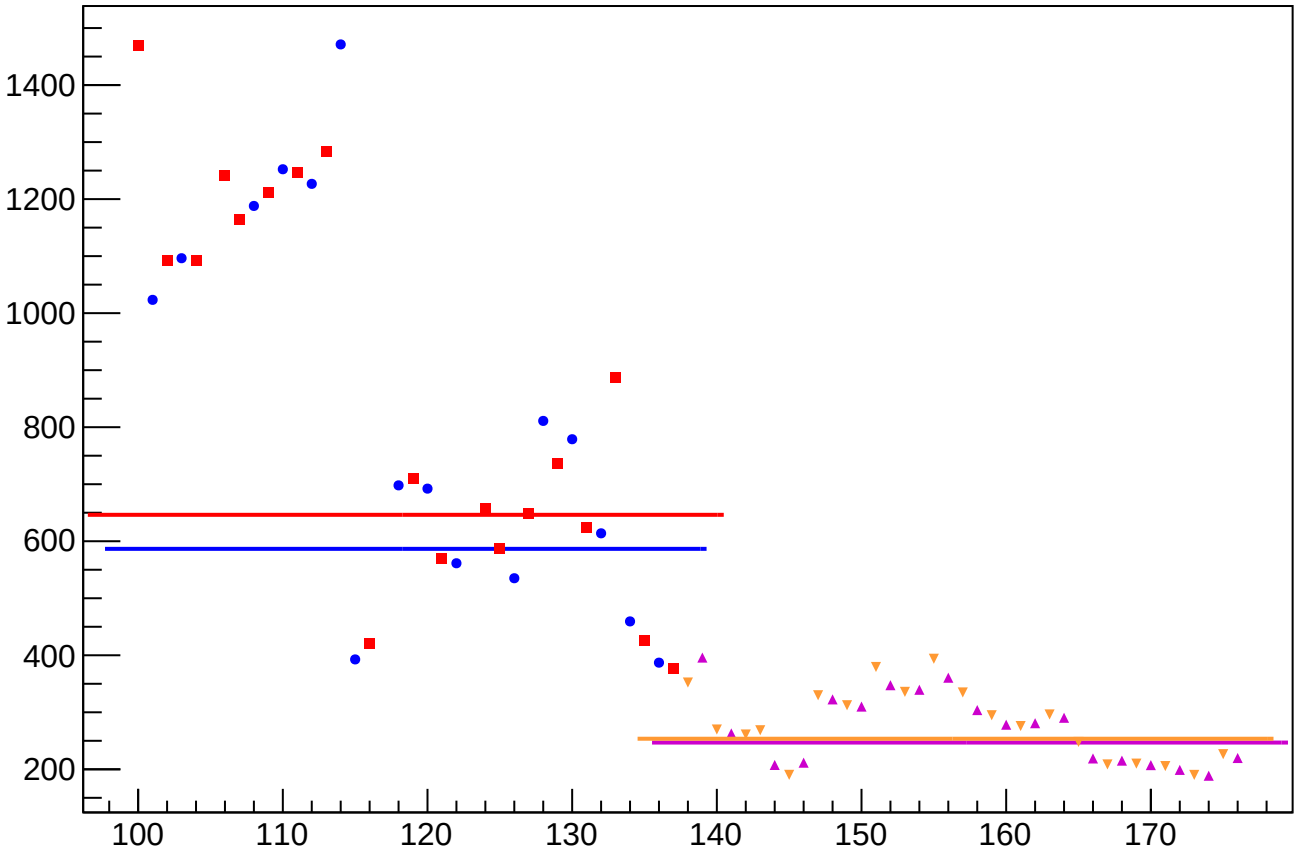
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -65.755+/-64.466 χ^2/NDF:22.8/18

+ sign -347.954+/-63.186 χ^2/NDF: 77.0/35

All: -214.446+/-44.443 χ^2/NDF: 121.2/73

- sign -83.728+/-62.522 χ^2/NDF: 35.4/37



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 253.639+/-0.046 χ^2/NDF:1549055.3/19

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

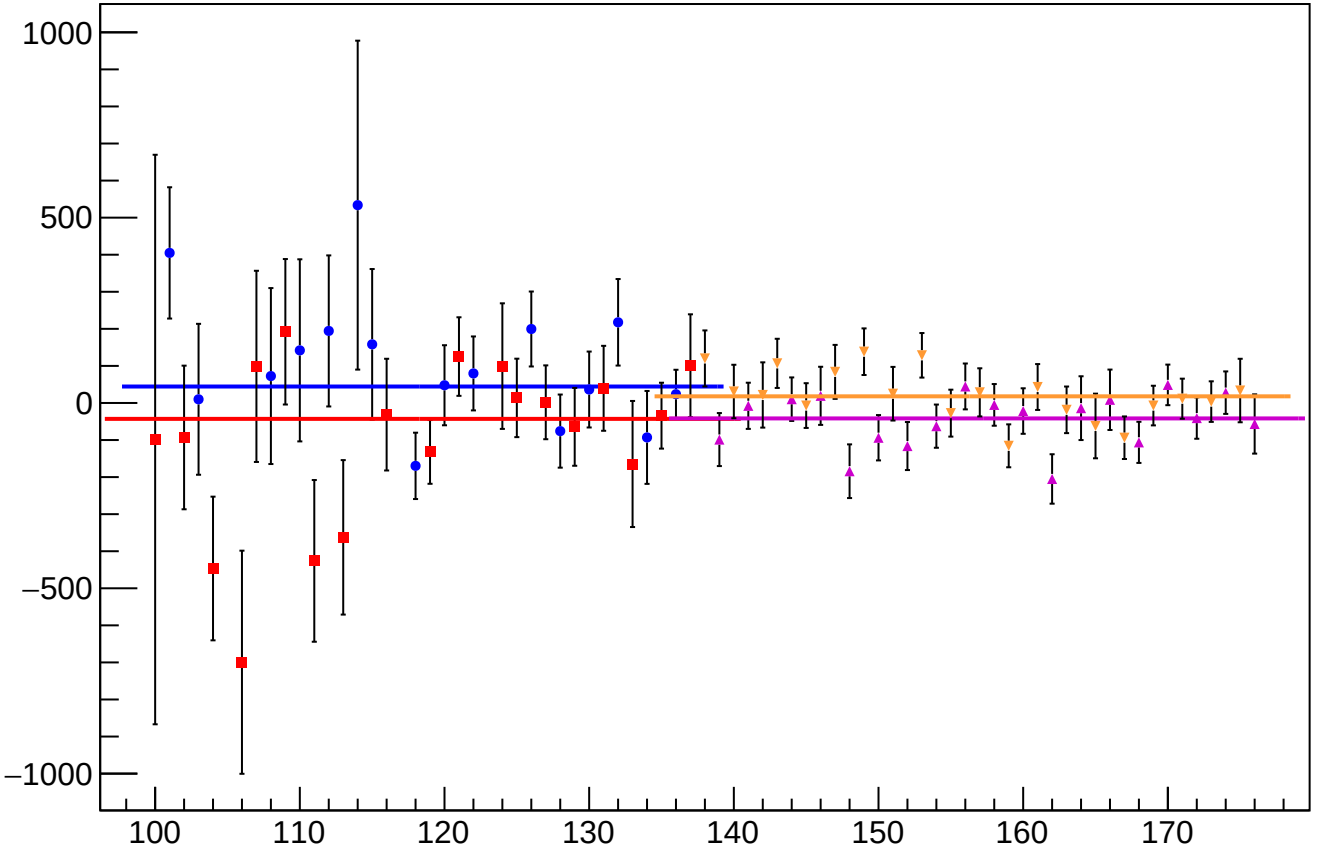
Left In: 246.909+/-0.046 χ^2/NDF:1480881.8/18

+ sign 277.320+/-0.045 χ^2/NDF: 7271683.4/35

All: 273.942+/-0.031 χ^2/NDF: 15387449.9/73

- sign 270.635+/-0.044 χ^2/NDF: 8104454.2/37

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 17.919+/-14.430 χ^2/NDF:23.0/19

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

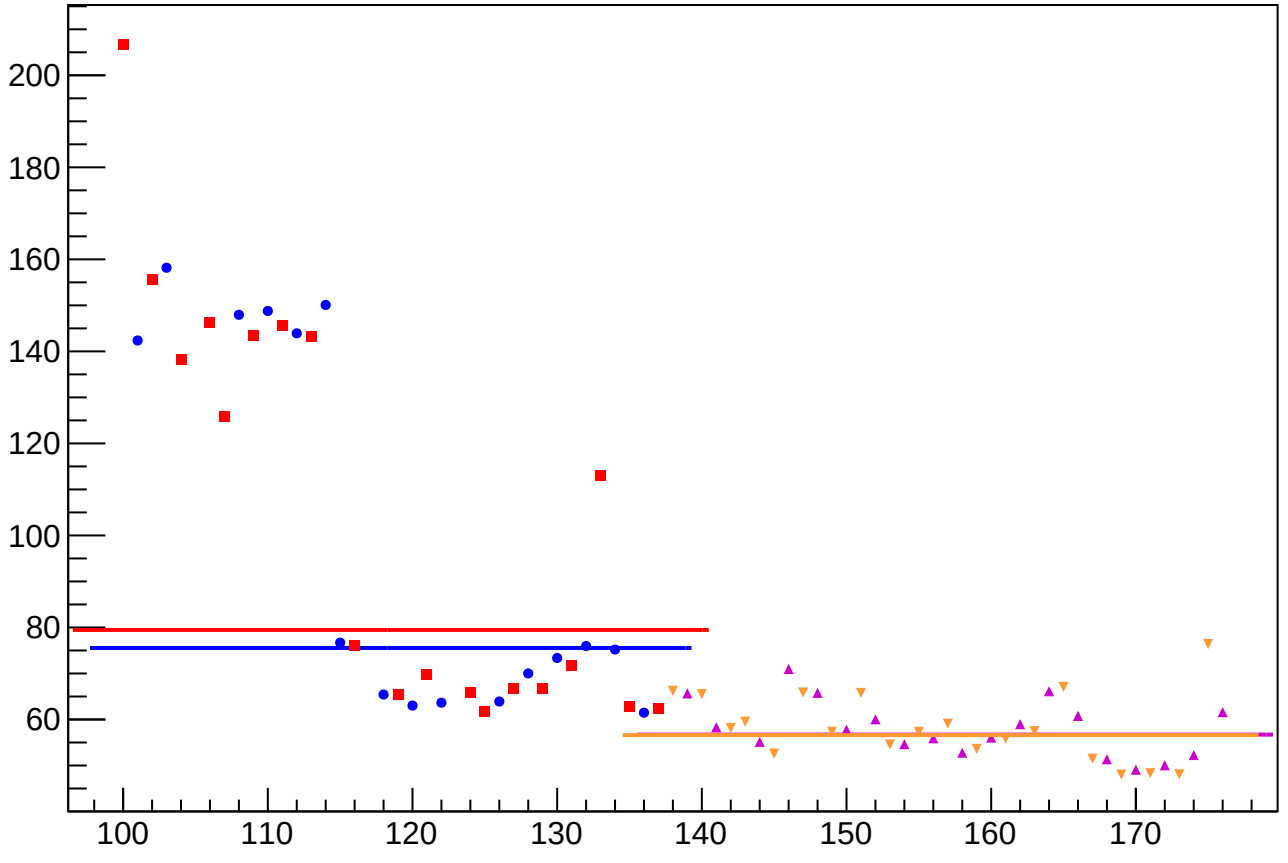
Left In: -41.700+/-14.602 χ^2/NDF:22.9/18

+ sign 22.916+/-12.996 χ^2/NDF: 43.3/35

All: -8.924+/-9.271 χ^2/NDF: 101.7/73

- sign -41.915+/-13.229 χ^2/NDF: 46.2/37

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.607+/-0.010 χ^2/NDF:451347.0/19

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

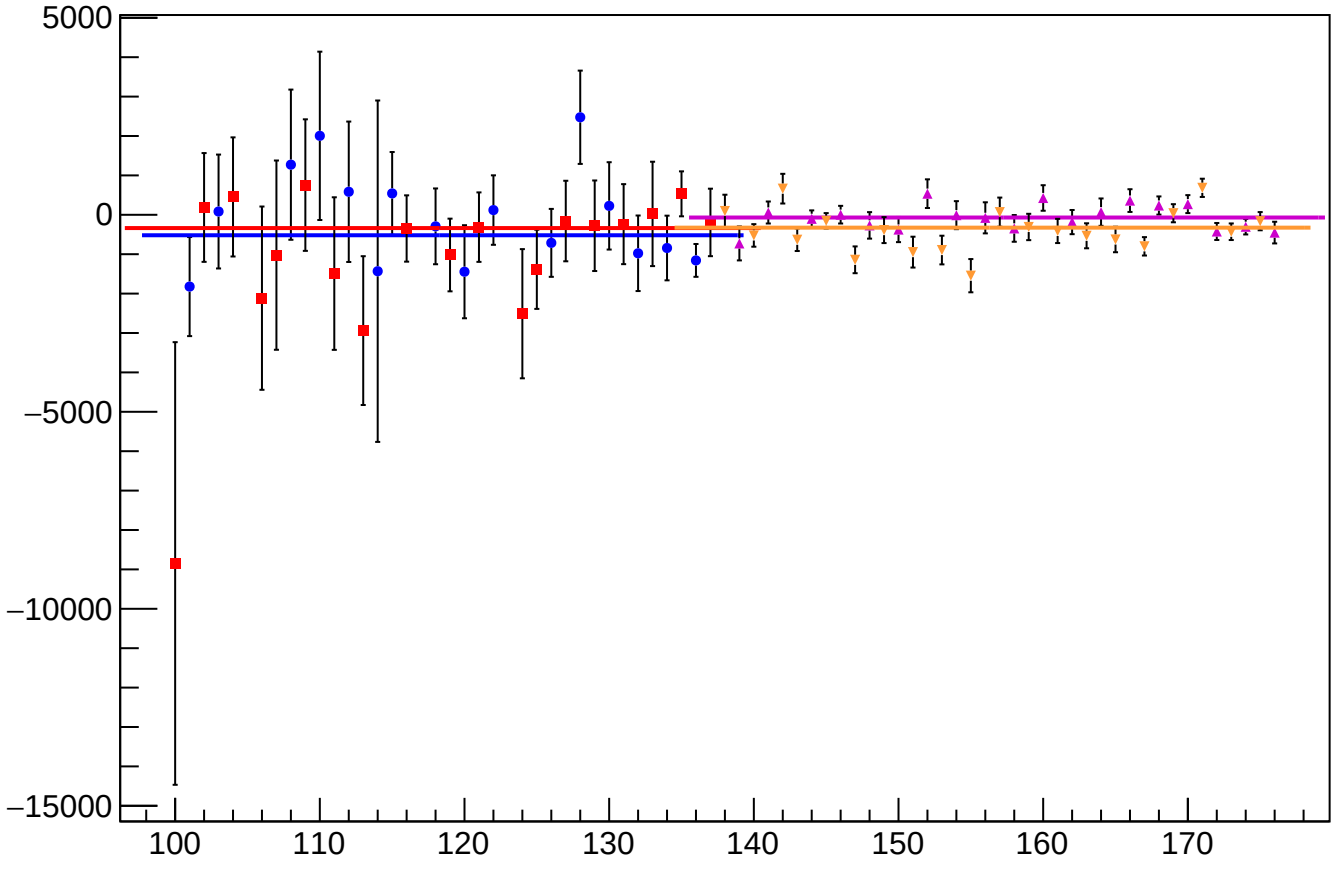
Left In: 56.715+/-0.010 χ^2/NDF:287254.4/18

+ sign 60.182+/-0.009 χ^2/NDF: 2567338.4/35

All: 60.482+/-0.007 χ^2/NDF: 5410522.4/73

- sign 60.792+/-0.009 χ^2/NDF: 2841020.6/37

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -326.162+/-63.969 χ^2/NDF:58.4/19

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

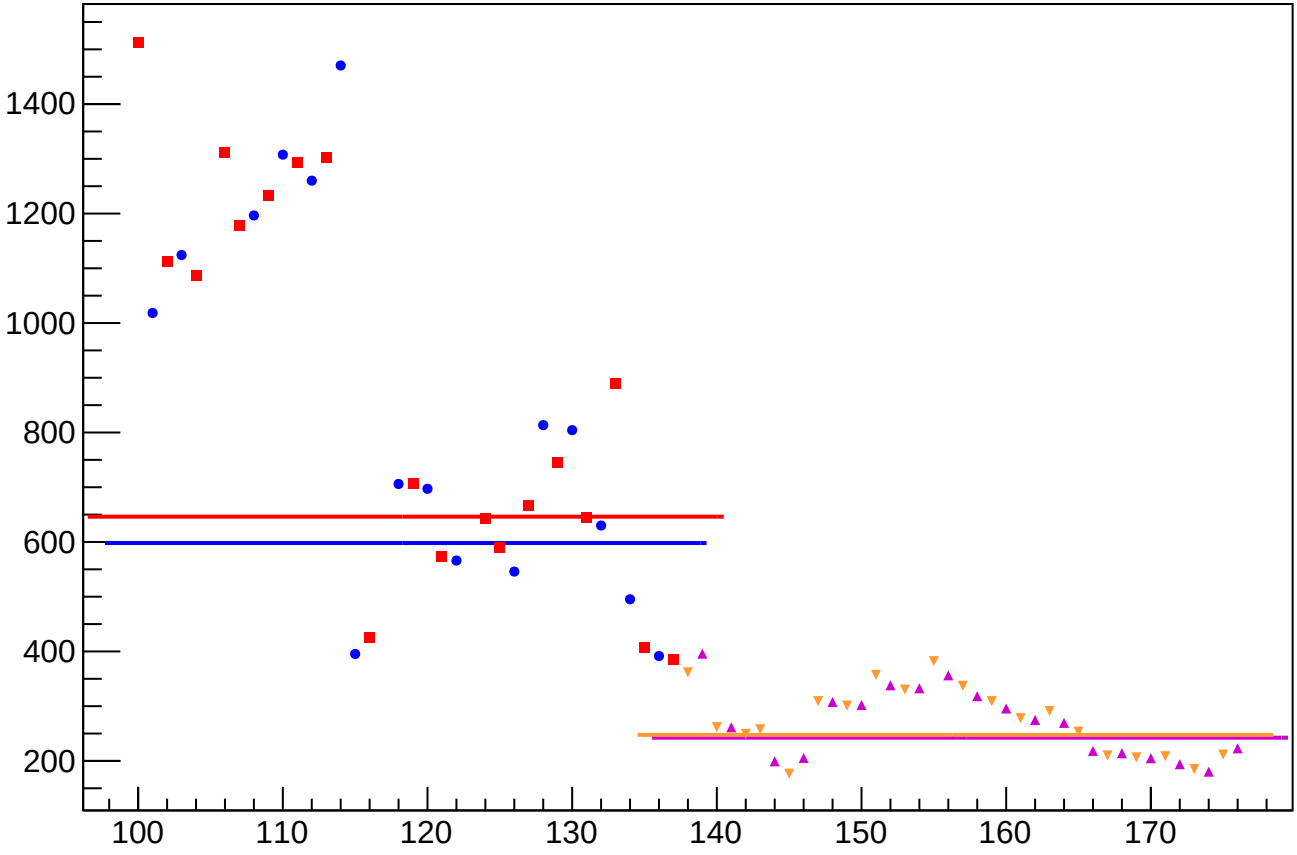
Left In: -69.112+/-63.414 χ^2/NDF:22.3/18

+ sign -338.840+/-61.833 χ^2/NDF: 74.8/35

All: -211.118+/-43.627 χ^2/NDF: 118.5/73

- sign -84.513+/-61.562 χ^2/NDF: 35.2/37

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 247.525+/-0.045 χ^2/NDF:1644827.5/19

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

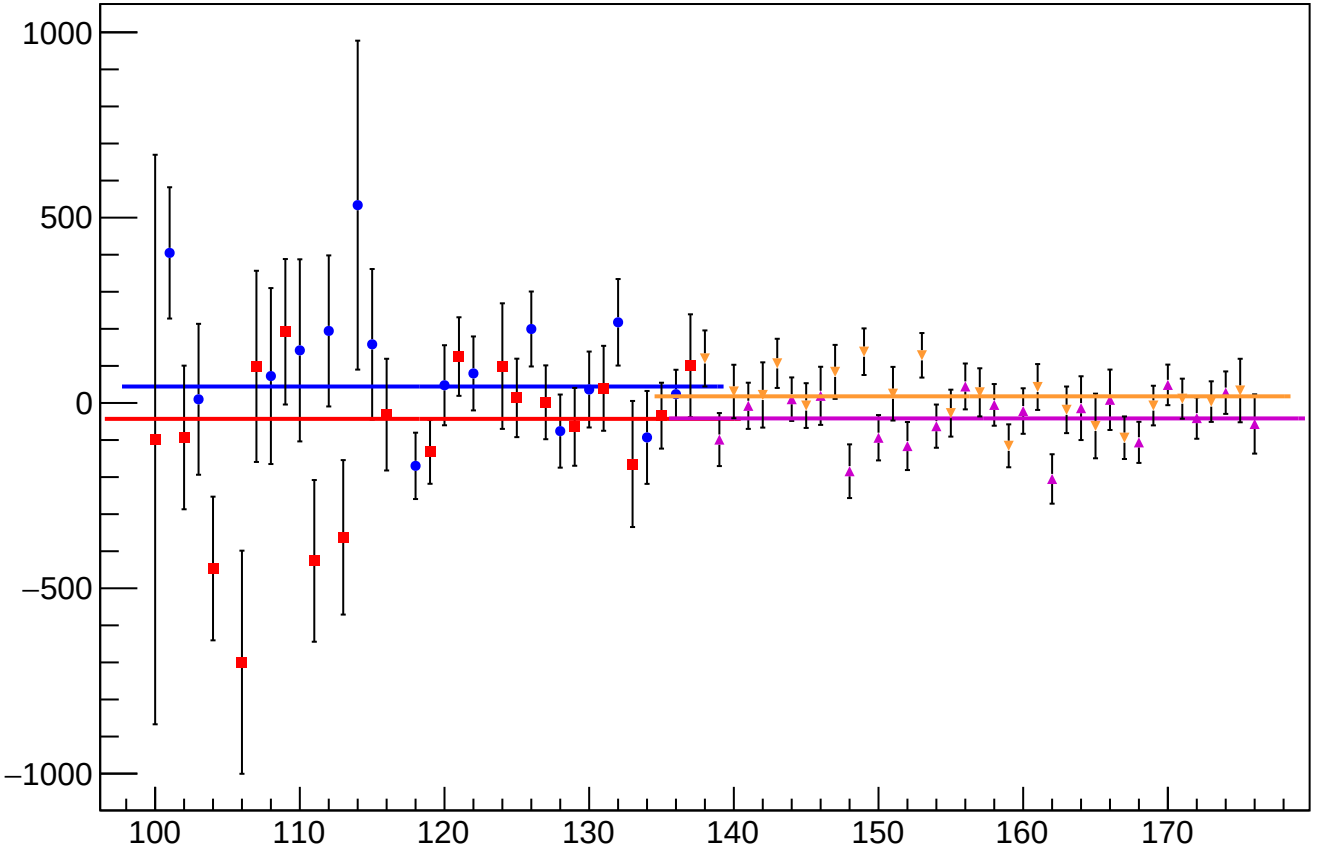
Left In: 242.400+/-0.045 χ^2/NDF:1578264.7/18

\+ sign 270.538+/-0.044 χ^2/NDF: 7635285.9/35

All: 268.078+/-0.031 χ^2/NDF: 16092153.6/73

\- sign 265.639+/-0.044 χ^2/NDF: 8450562.1/37

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 17.918+/-14.430 χ^2/NDF:23.0/19

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

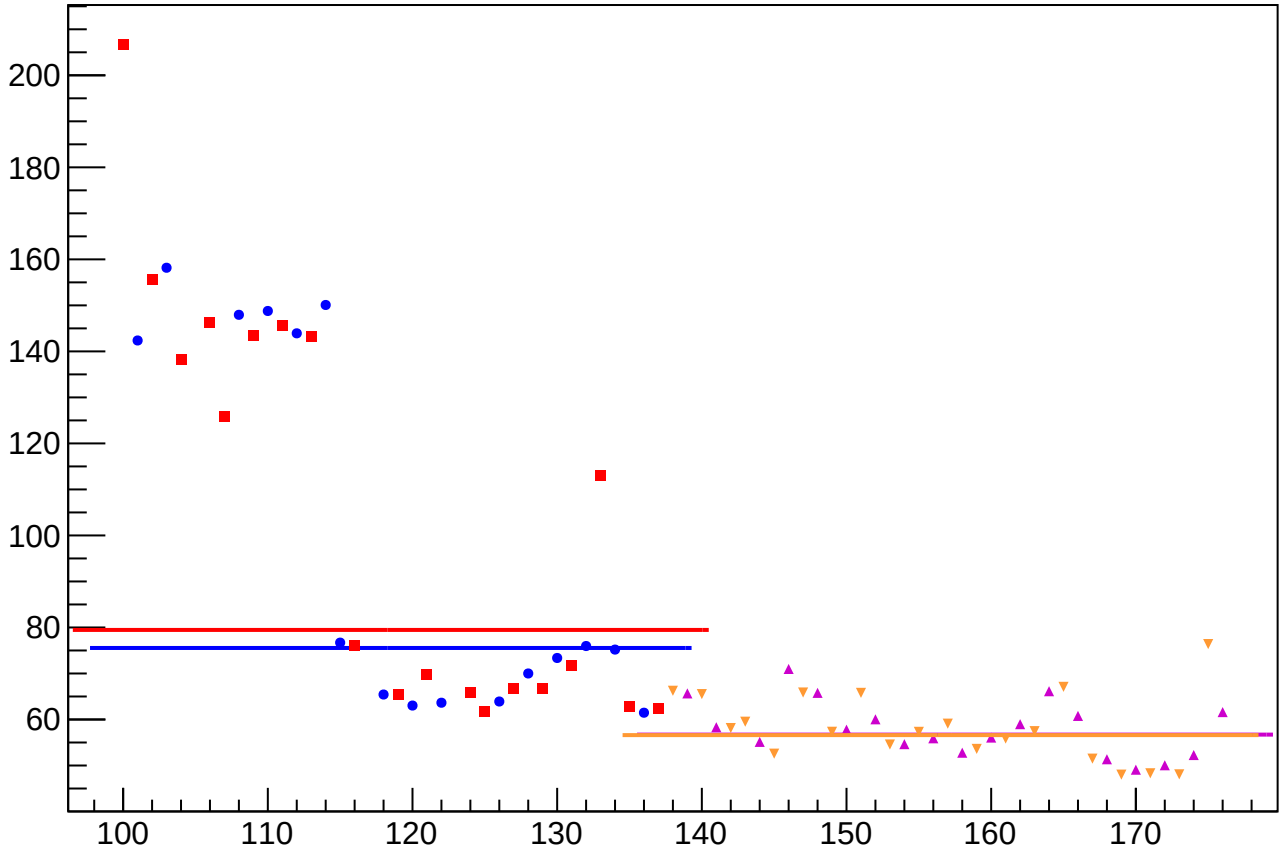
Left In: -41.699+/-14.602 χ^2/NDF:22.9/18

+ sign 22.916+/-12.996 χ^2/NDF: 43.3/35

All: -8.923+/-9.271 χ^2/NDF: 101.7/73

- sign -41.914+/-13.229 χ^2/NDF: 46.2/37

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.607+/-0.010 χ^2/NDF:451348.9/19

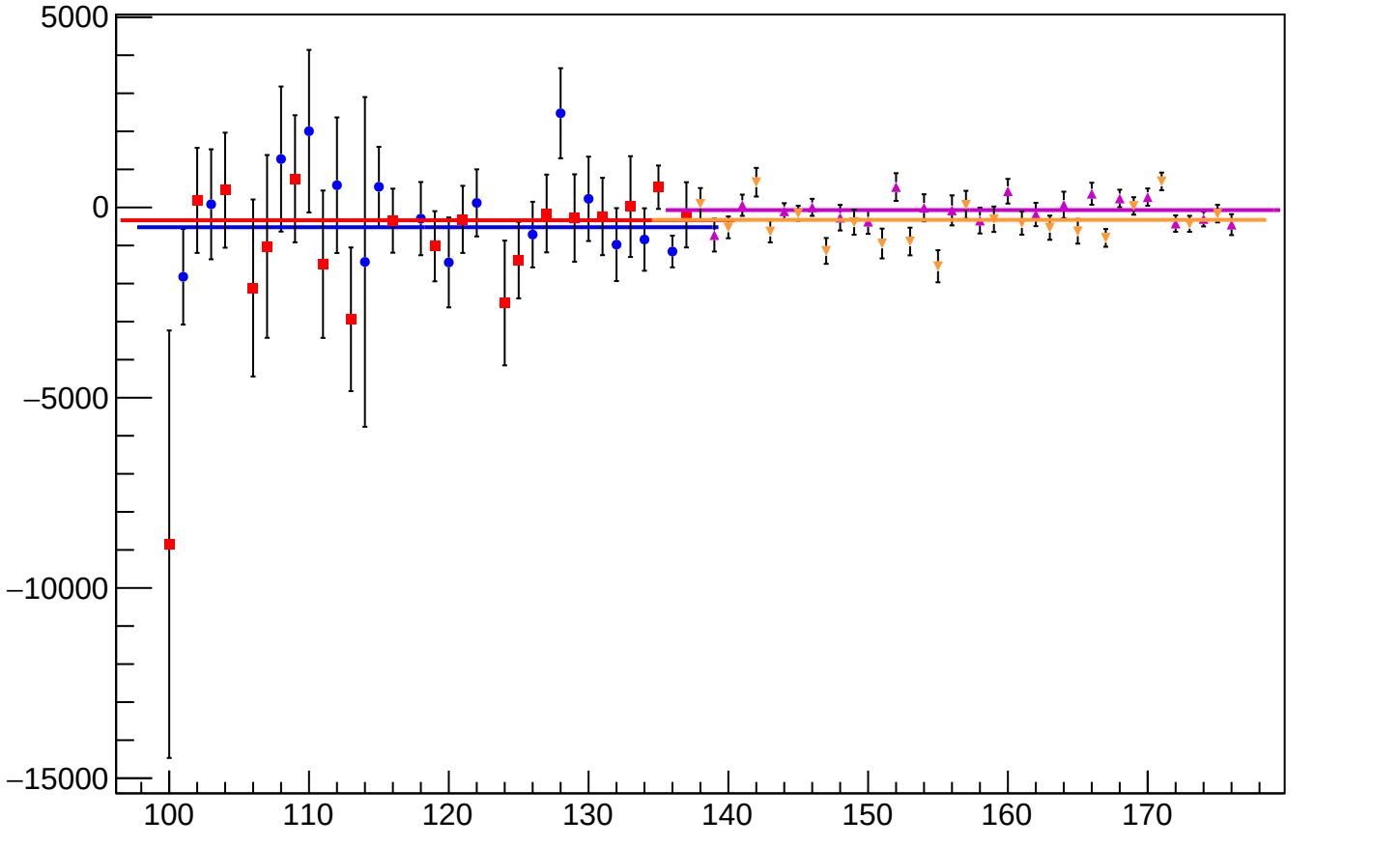
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 56.715+/-0.010 χ^2/NDF:287254.6/18

+ sign 60.183+/-0.009 χ^2/NDF: 2567302.0/35

All: 60.482+/-0.007 χ^2/NDF: 5410448.7/73

- sign 60.793+/-0.009 χ^2/NDF: 2840982.6/37



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -326.161+/-63.969 χ^2/NDF:58.4/19

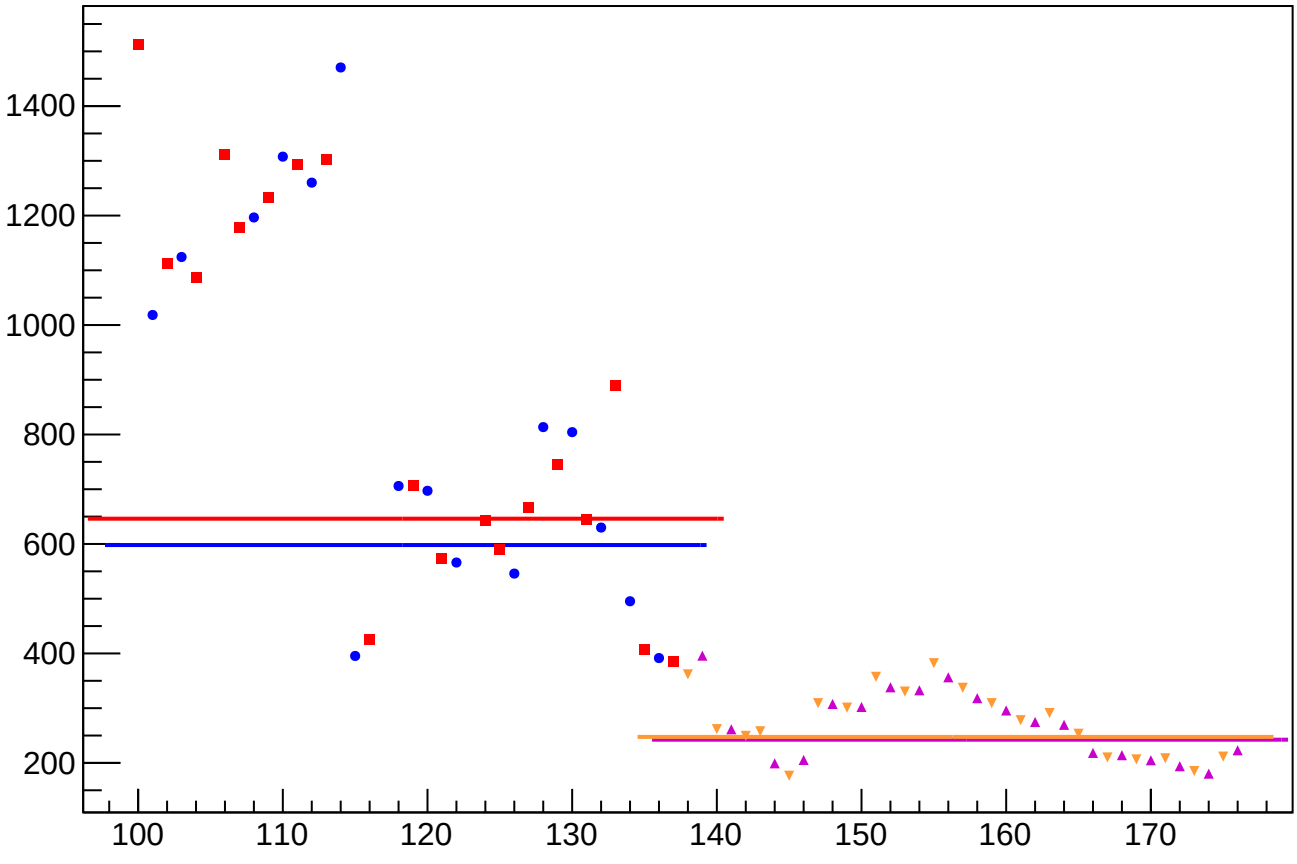
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -69.111+/-63.414 χ^2/NDF:22.3/18

+ sign -338.838+/-61.833 χ^2/NDF: 74.8/35

All: -211.117+/-43.627 χ^2/NDF: 118.5/73

- sign -84.513+/-61.562 χ^2/NDF: 35.2/37



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 247.524+/-0.045 χ^2/NDF:1644829.0/19

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

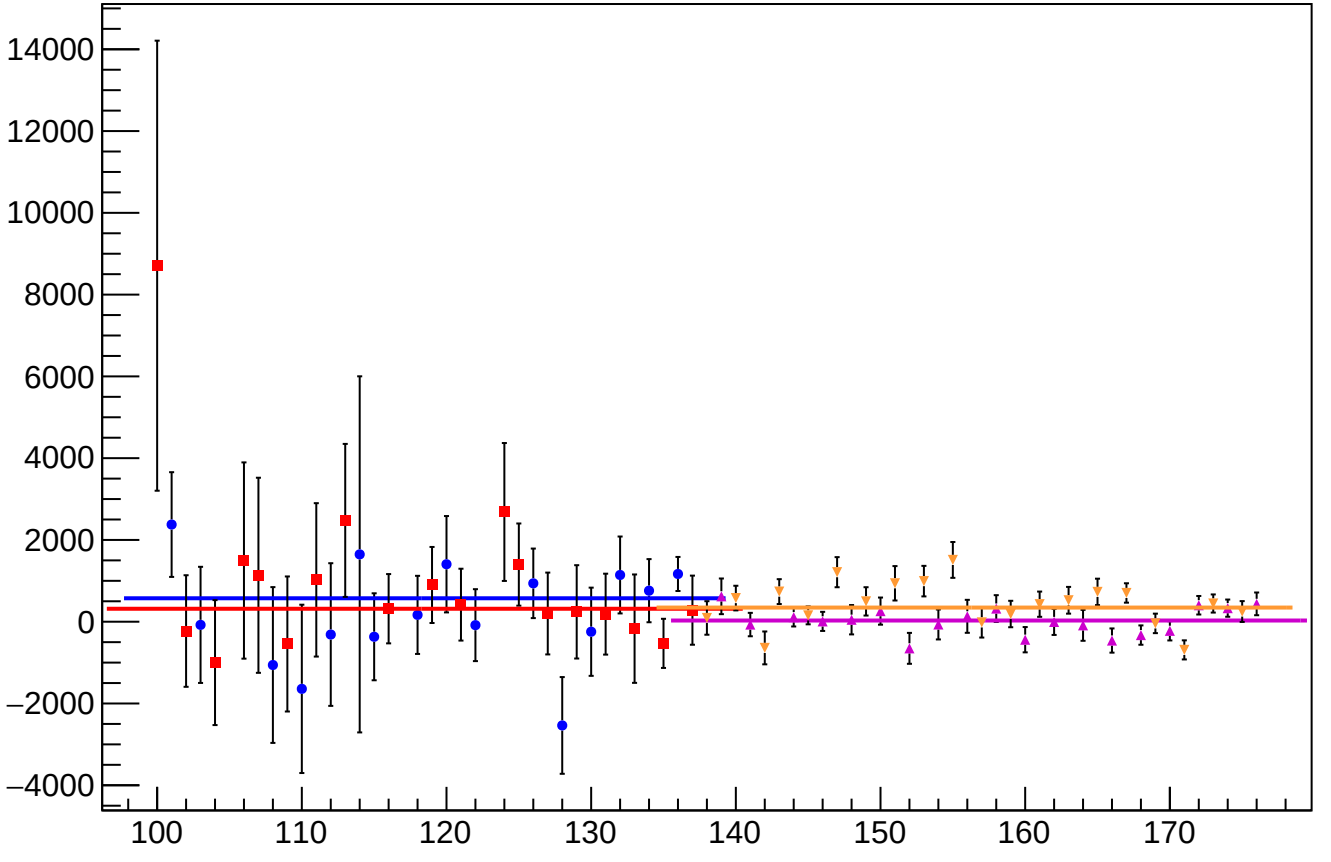
Left In: 242.400+/-0.045 χ^2/NDF:1578256.4/18

+ sign 270.538+/-0.044 χ^2/NDF: 7635278.8/35

All: 268.078+/-0.031 χ^2/NDF: 16092127.6/73

- sign 265.639+/-0.044 χ^2/NDF: 8450543.7/37

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 346.127+/-66.768 χ^2/NDF:55.1/19

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

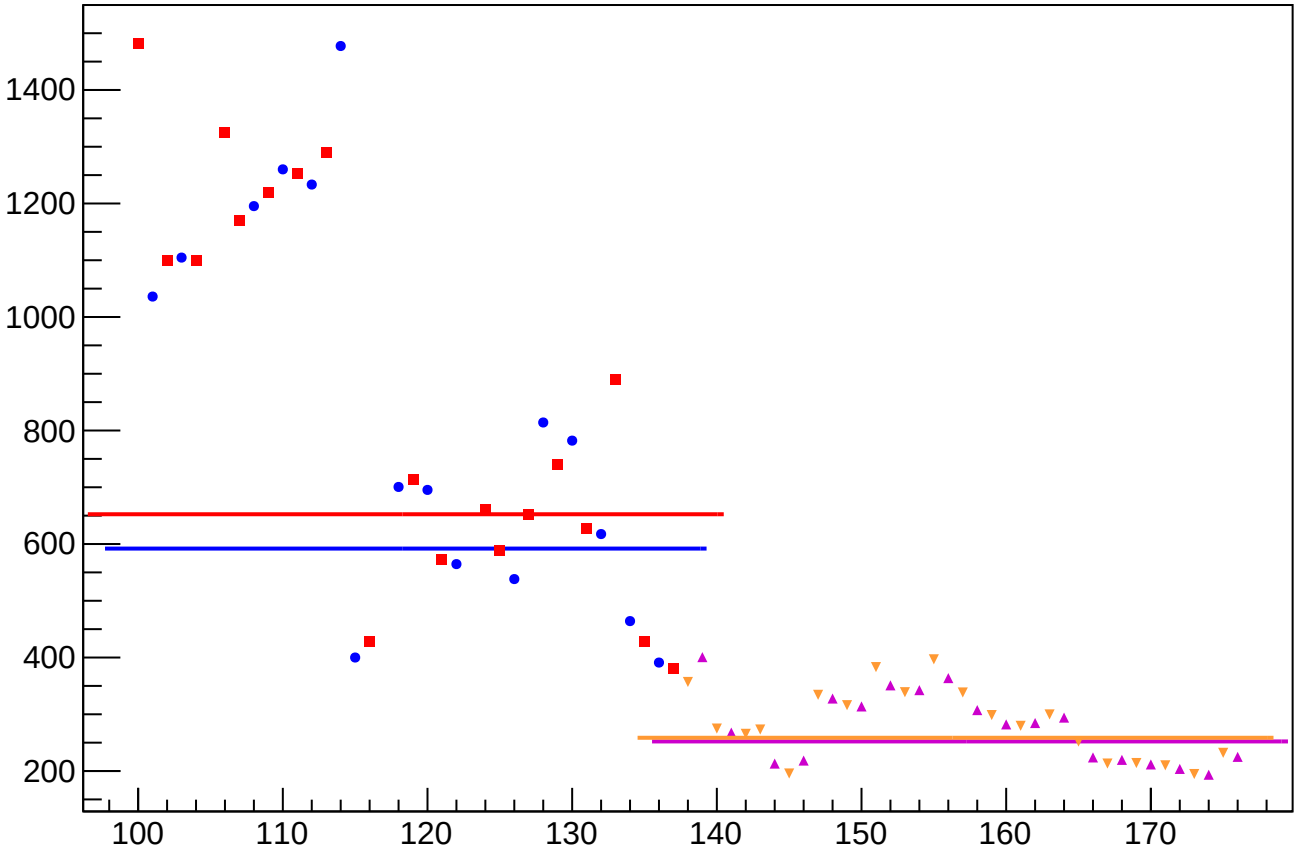
Left In: 29.418+/-65.750 χ^2/NDF:22.2/18

+ sign 362.589+/-64.305 χ^2/NDF: 72.5/35

All: 203.303+/-45.261 χ^2/NDF: 119.0/73

- sign 46.915+/-63.717 χ^2/NDF: 34.4/37

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 258.631+/-0.047 χ^2/NDF:1479603.9/19

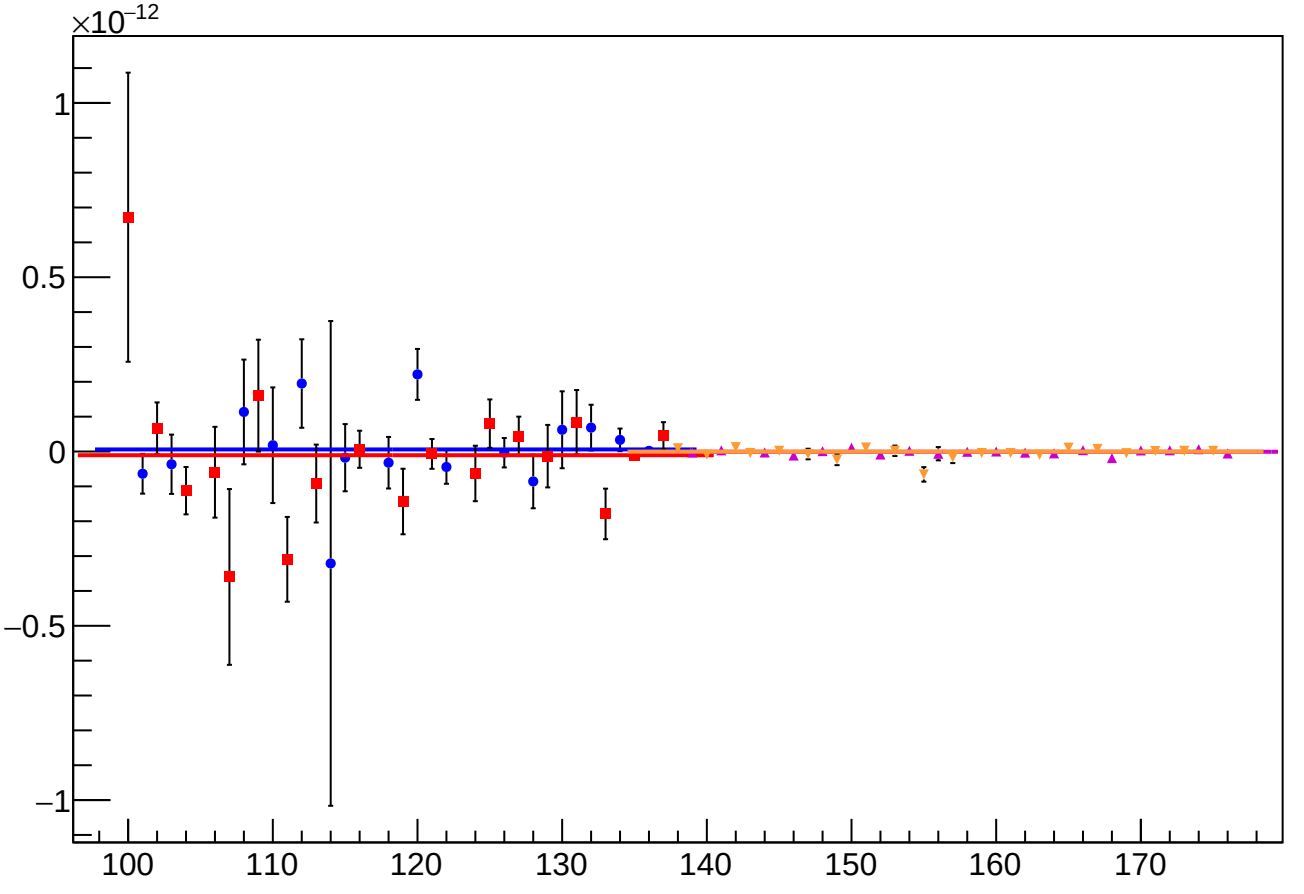
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.155+/-0.046 χ^2/NDF:1408823.8/18

+ sign 282.778+/-0.045 χ^2/NDF: 7126452.7/35

All: 279.623+/-0.032 χ^2/NDF: 15148057.1/73

- sign 276.525+/-0.045 χ^2/NDF: 8012060.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

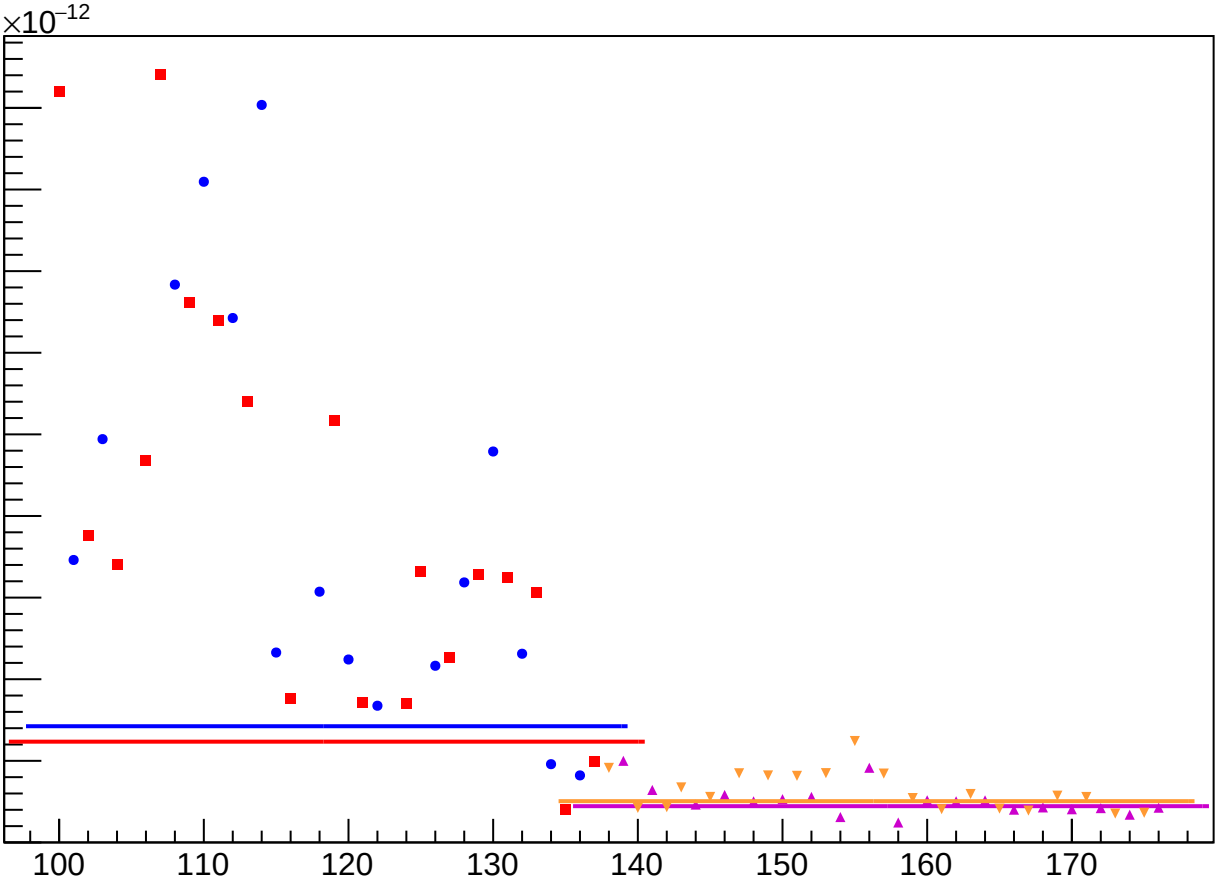
Left In: -0.000+/-0.000 χ^2/NDF:11.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 40.6/35

All: -0.000+/-0.000 χ^2/NDF: 82.6/73

- sign -0.000+/-0.000 χ^2/NDF: 41.9/37

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1371065.5/19

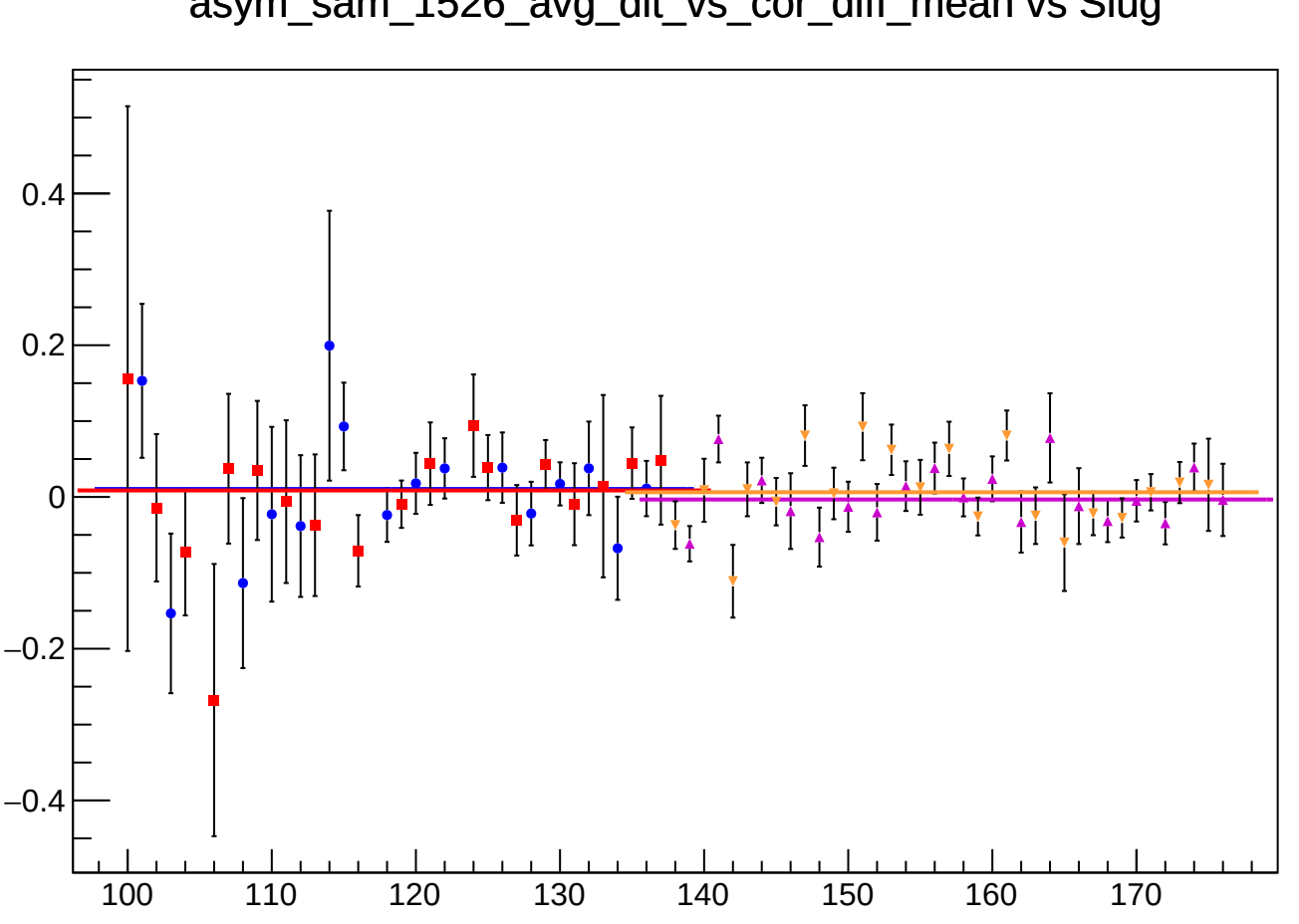
Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:885996.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 5328235.6/35

All: 0.000+/-0.000 χ^2/NDF: 10884692.2/73

- sign 0.000+/-0.000 χ^2/NDF: 5442648.7/37



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

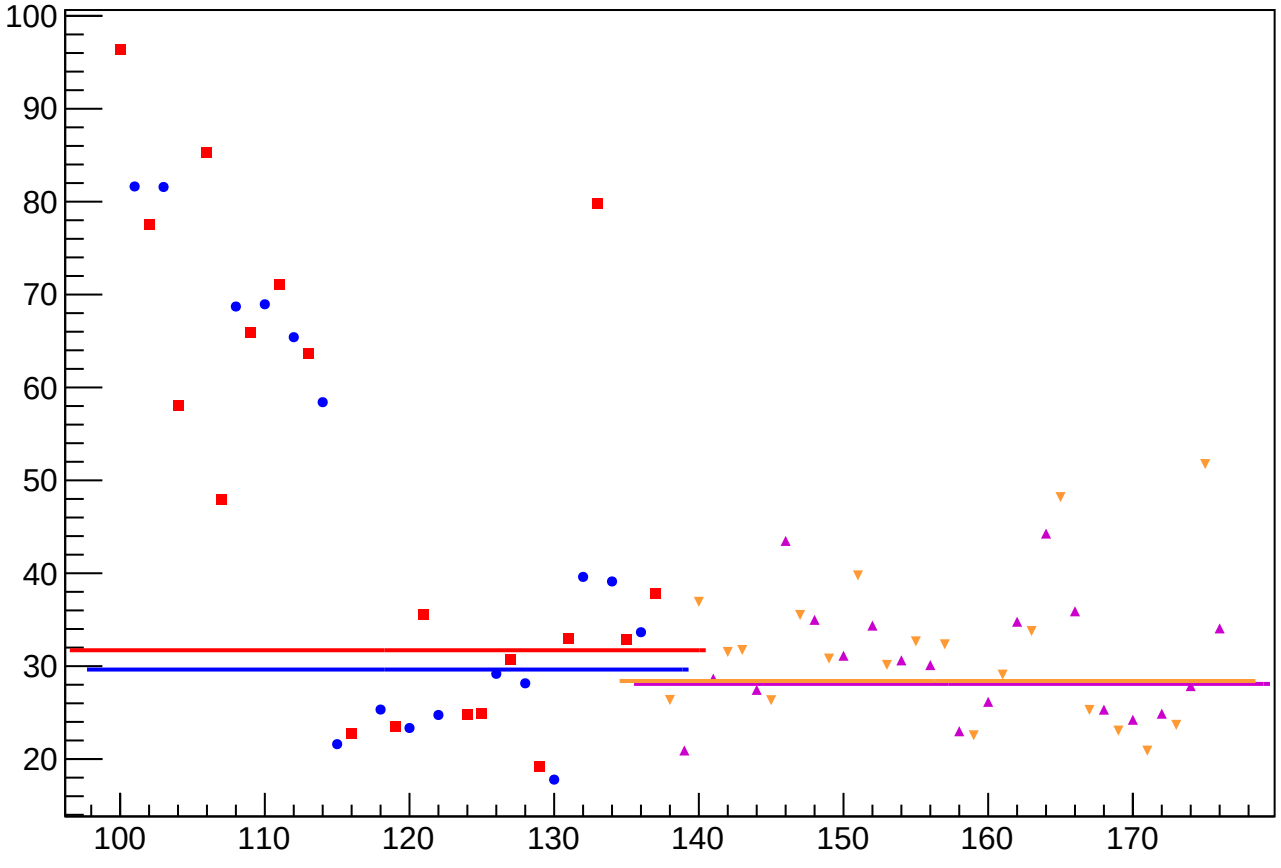
Left In: -0.003+/-0.007 χ^2/NDF:25.0/18

+ sign 0.007+/-0.006 χ^2/NDF: 45.5/35

All: 0.003+/-0.005 χ^2/NDF: 84.3/73

- sign -0.000+/-0.006 χ^2/NDF: 38.0/37

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: 28.400+/-0.005 χ^2/NDF:1396486.9/19

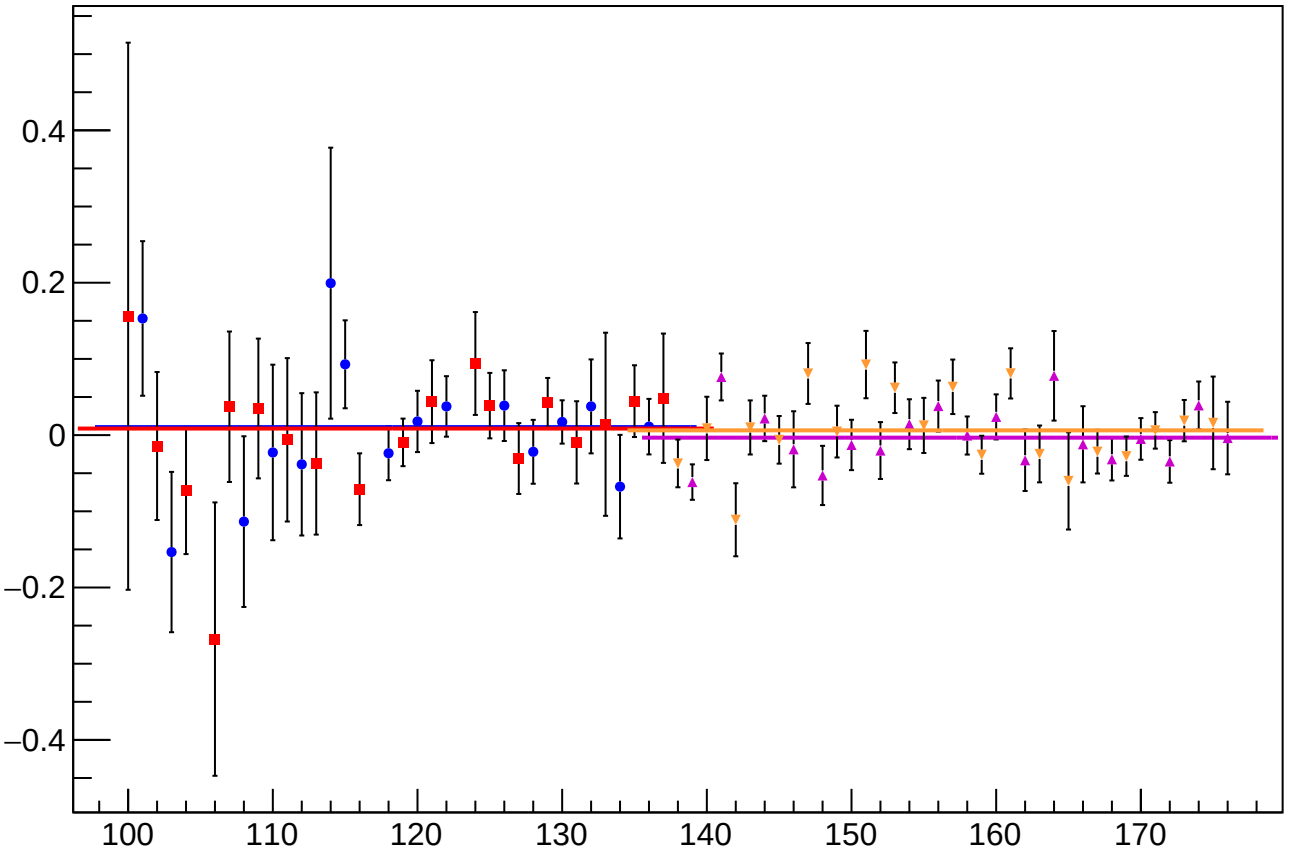
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.090+/-0.005 χ^2/NDF:1001988.7/18

+ sign 28.723+/-0.005 χ^2/NDF: 3859221.4/35

All: 28.842+/-0.003 χ^2/NDF: 7627676.7/73

- sign 28.963+/-0.005 χ^2/NDF: 3767083.4/37



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

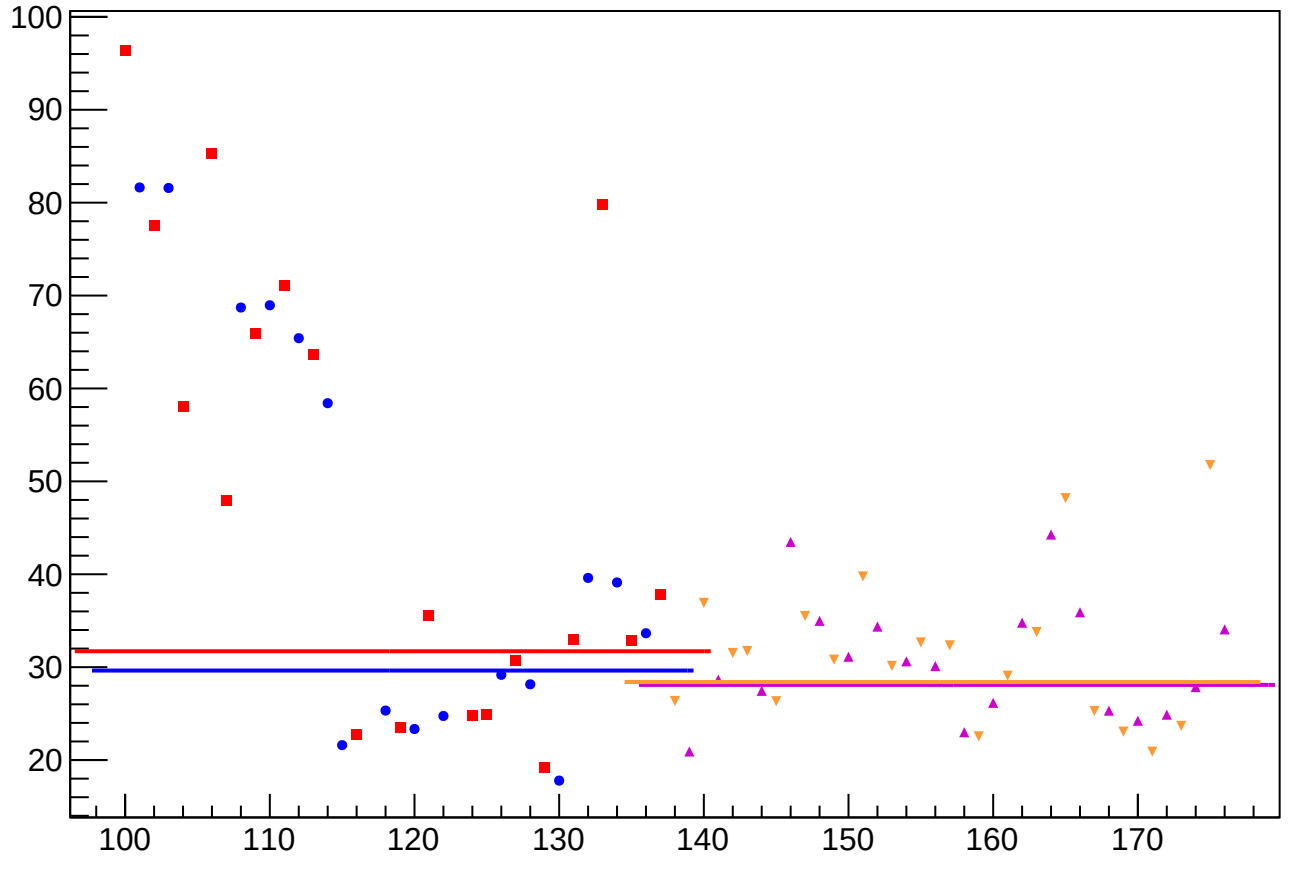
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.007 χ^2/NDF:25.0/18

+ sign 0.007+/-0.006 χ^2/NDF: 45.5/35

All: 0.003+/-0.005 χ^2/NDF: 84.3/73

- sign -0.000+/-0.006 χ^2/NDF: 38.0/37



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396486.9/19

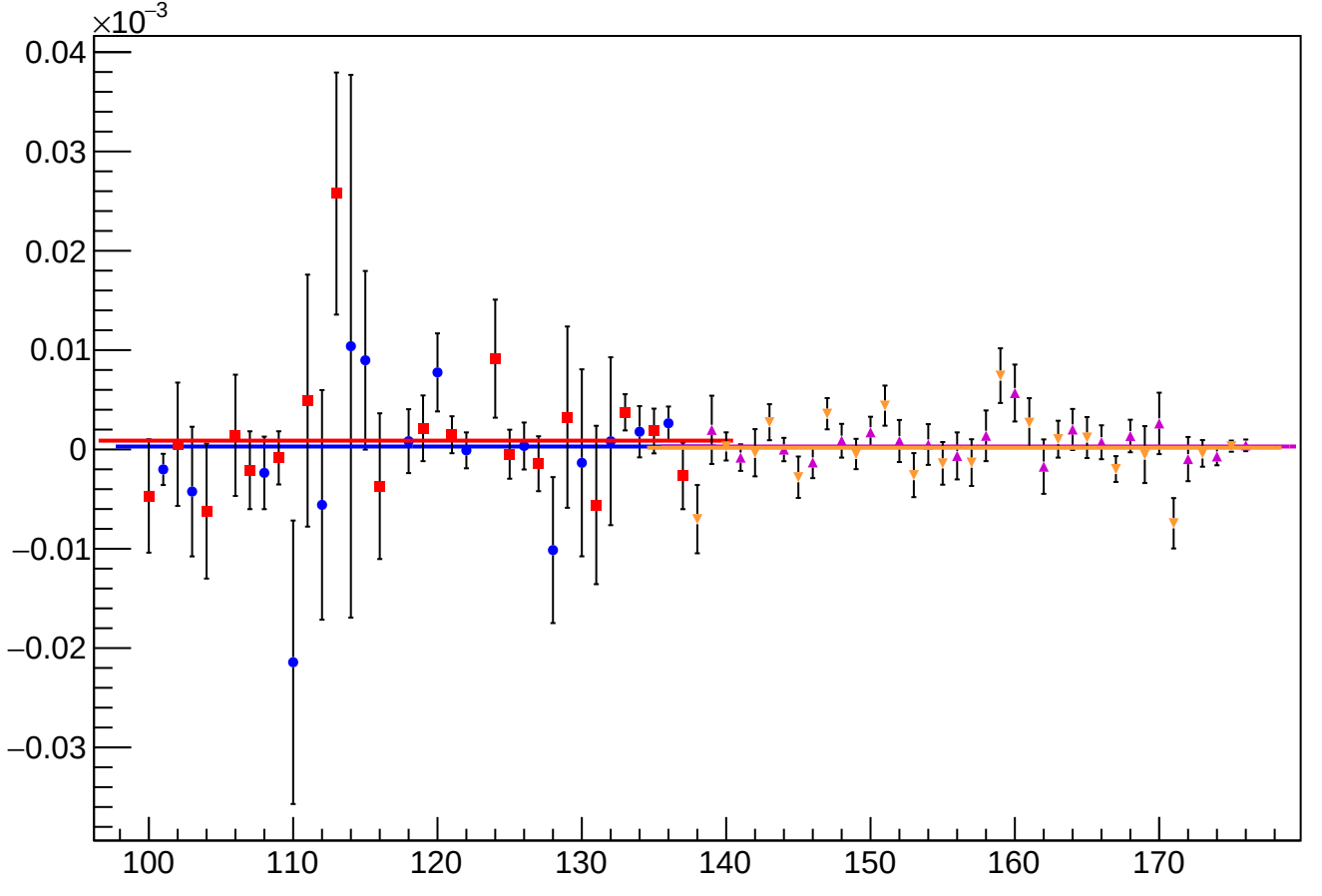
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.090+/-0.005 χ^2/NDF:1001988.7/18

+ sign 28.723+/-0.005 χ^2/NDF: 3859221.4/35

All: 28.842+/-0.003 χ^2/NDF: 7627676.7/73

- sign 28.963+/-0.005 χ^2/NDF: 3767083.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.8/19

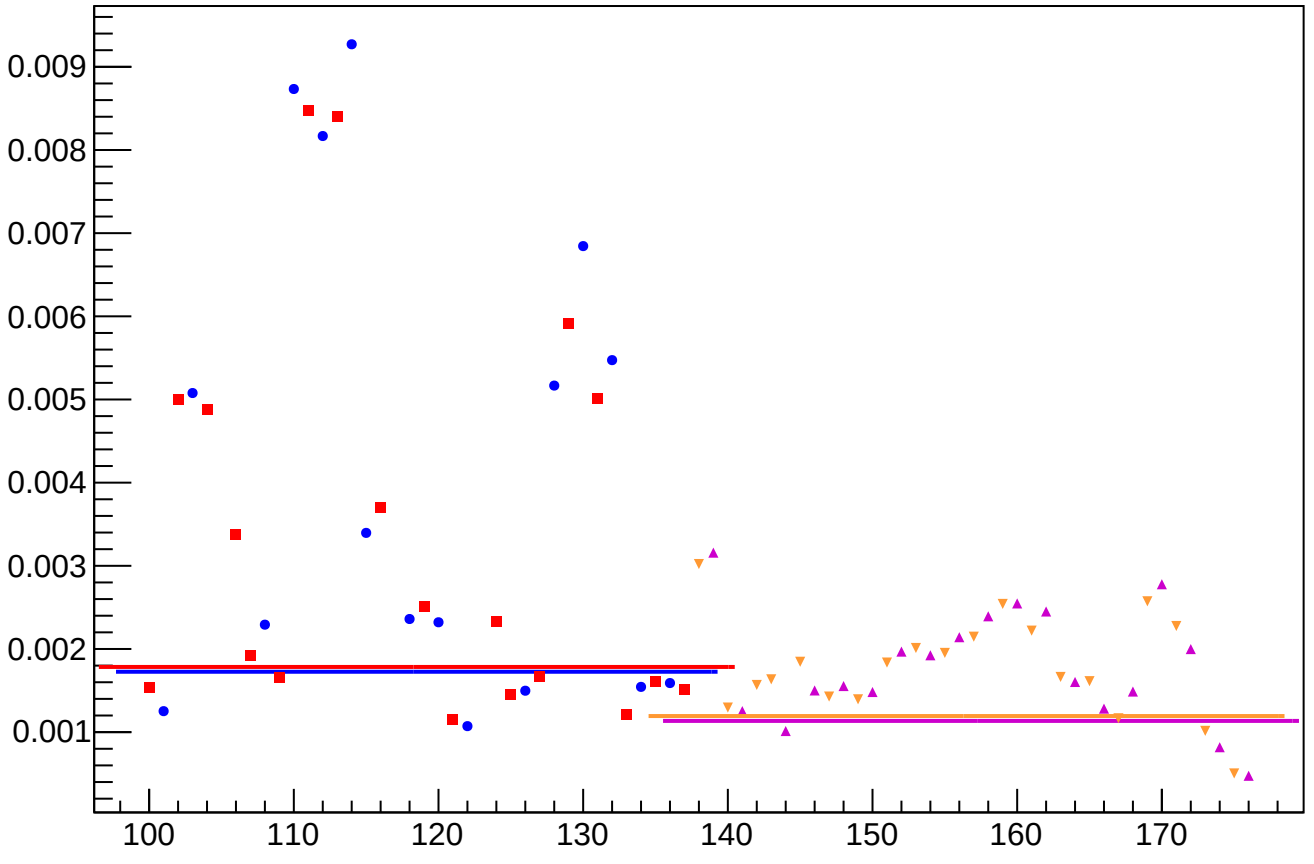
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 55.6/35

All: 0.000+/-0.000 χ^2/NDF: 82.5/73

- sign 0.000+/-0.000 χ^2/NDF: 26.7/37



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:7016033.2/19

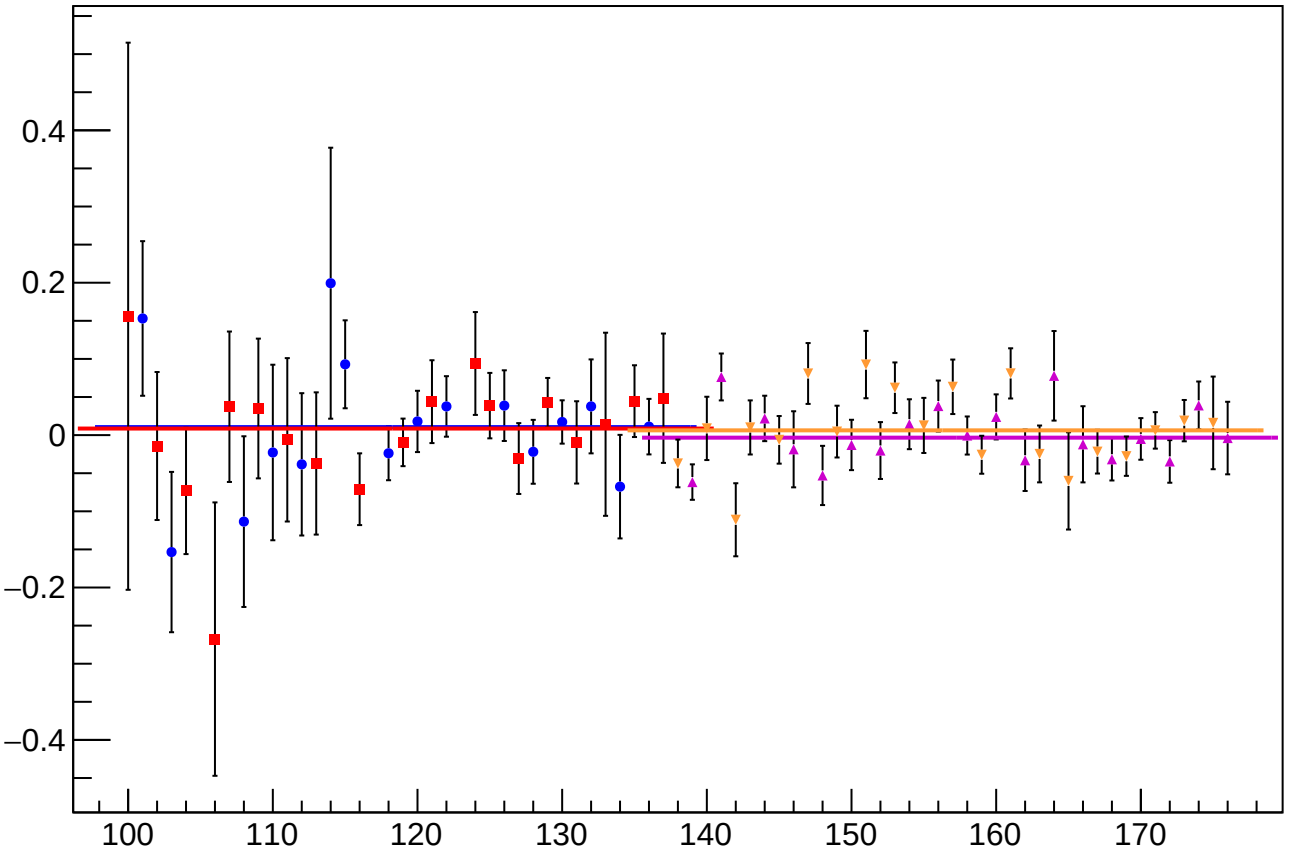
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:7318818.3/18

+ sign 0.001+/-0.000 χ^2/NDF: 11759711.0/35

All: 0.001+/-0.000 χ^2/NDF: 24001415.4/73

- sign 0.001+/-0.000 χ^2/NDF: 12217797.4/37



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

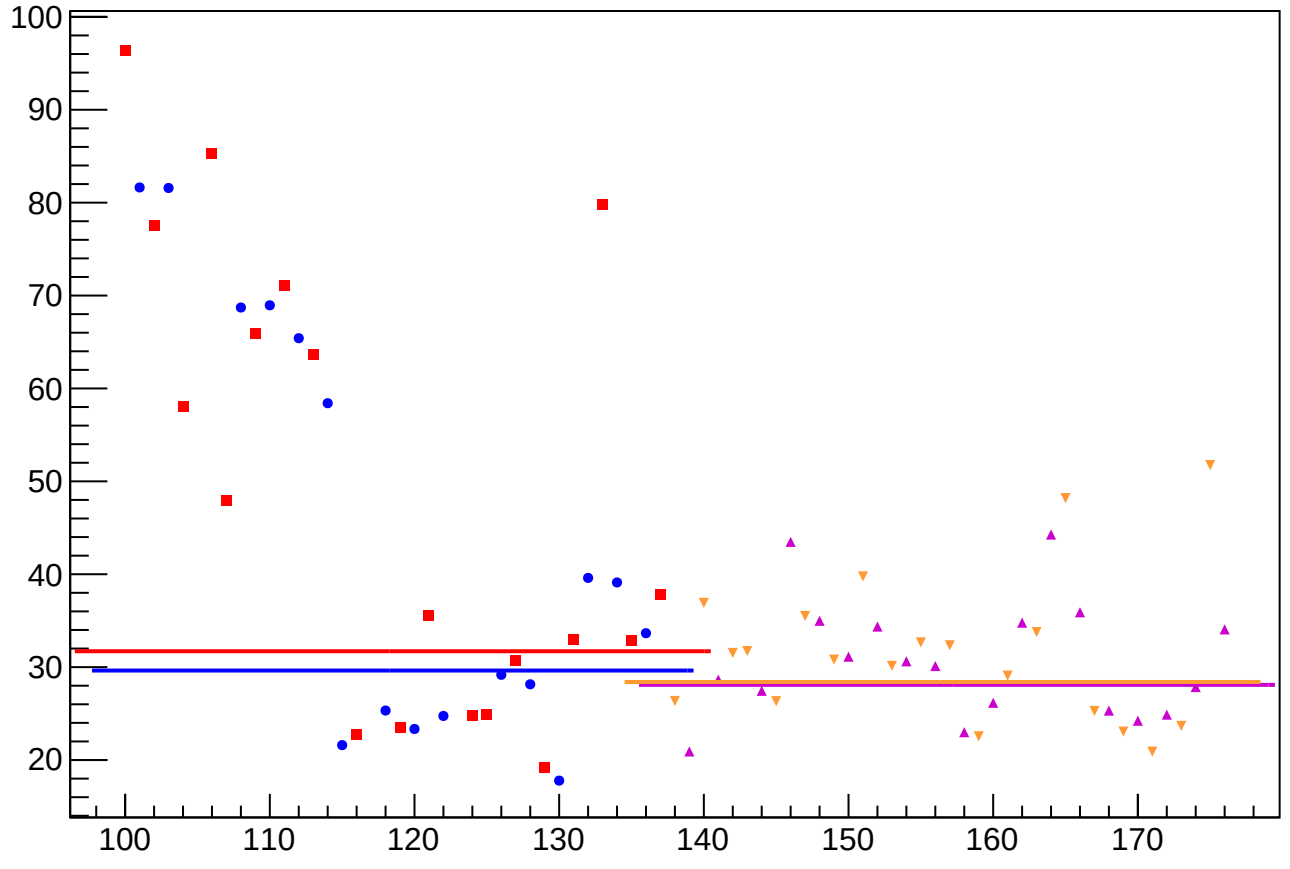
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.007 χ^2/NDF:25.0/18

+ sign 0.007+/-0.006 χ^2/NDF: 45.5/35

All: 0.003+/-0.005 χ^2/NDF: 84.3/73

- sign -0.000+/-0.006 χ^2/NDF: 38.0/37



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396522.9/19

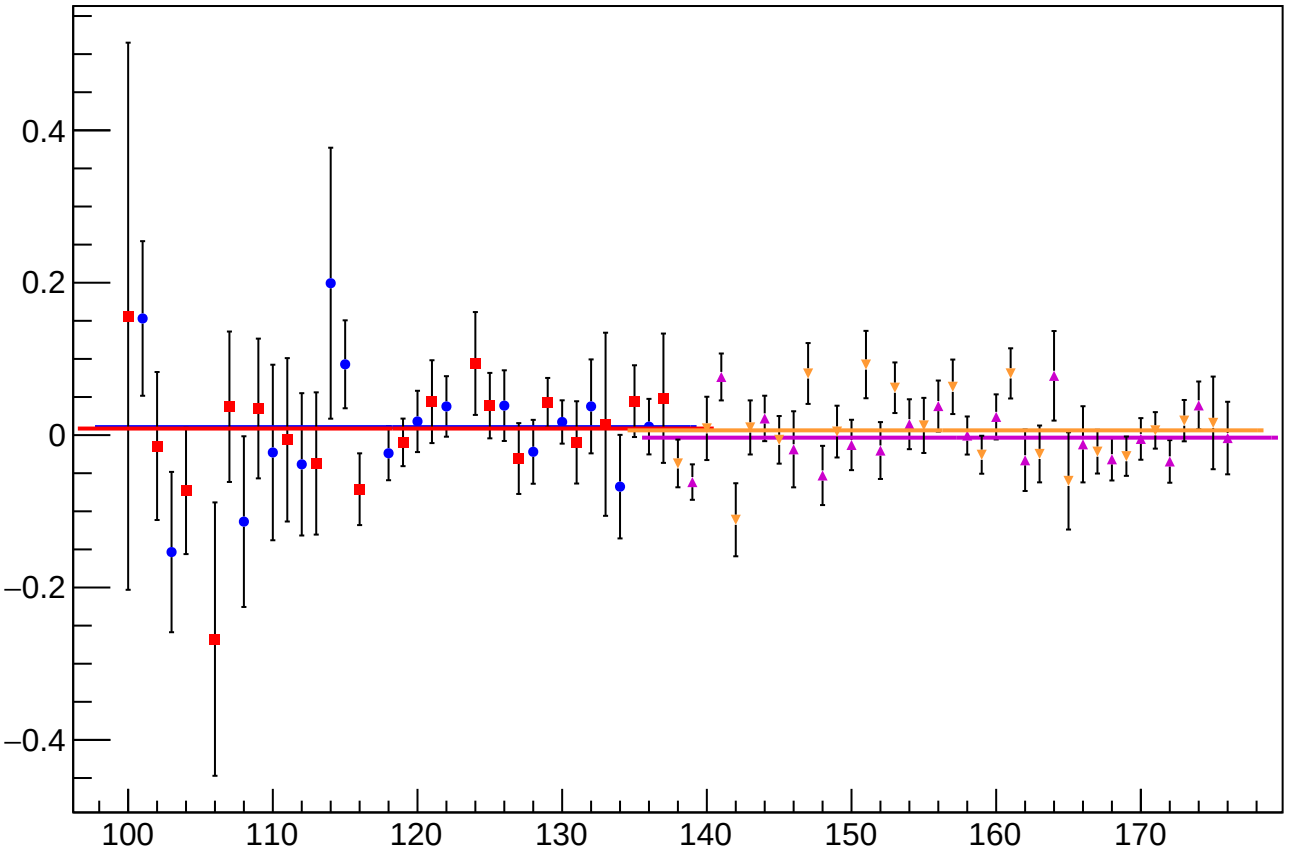
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.090+/-0.005 χ^2/NDF:1001991.1/18

+ sign 28.723+/-0.005 χ^2/NDF: 3859427.7/35

All: 28.841+/-0.003 χ^2/NDF: 7627956.9/73

- sign 28.963+/-0.005 χ^2/NDF: 3767154.8/37



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

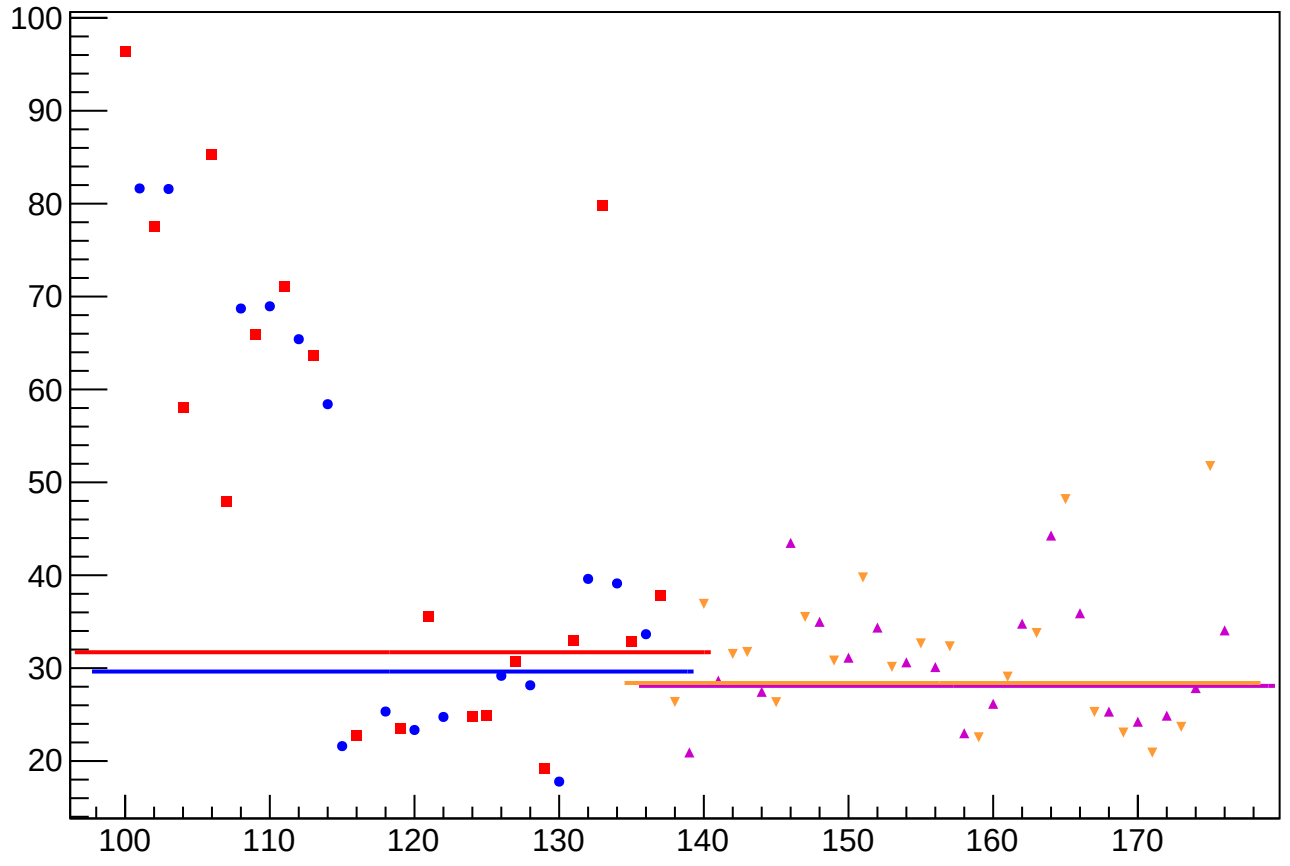
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.007 χ^2/NDF:25.0/18

+ sign 0.007+/-0.006 χ^2/NDF: 45.5/35

All: 0.003+/-0.005 χ^2/NDF: 84.3/73

- sign -0.000+/-0.006 χ^2/NDF: 38.0/37



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396522.9/19

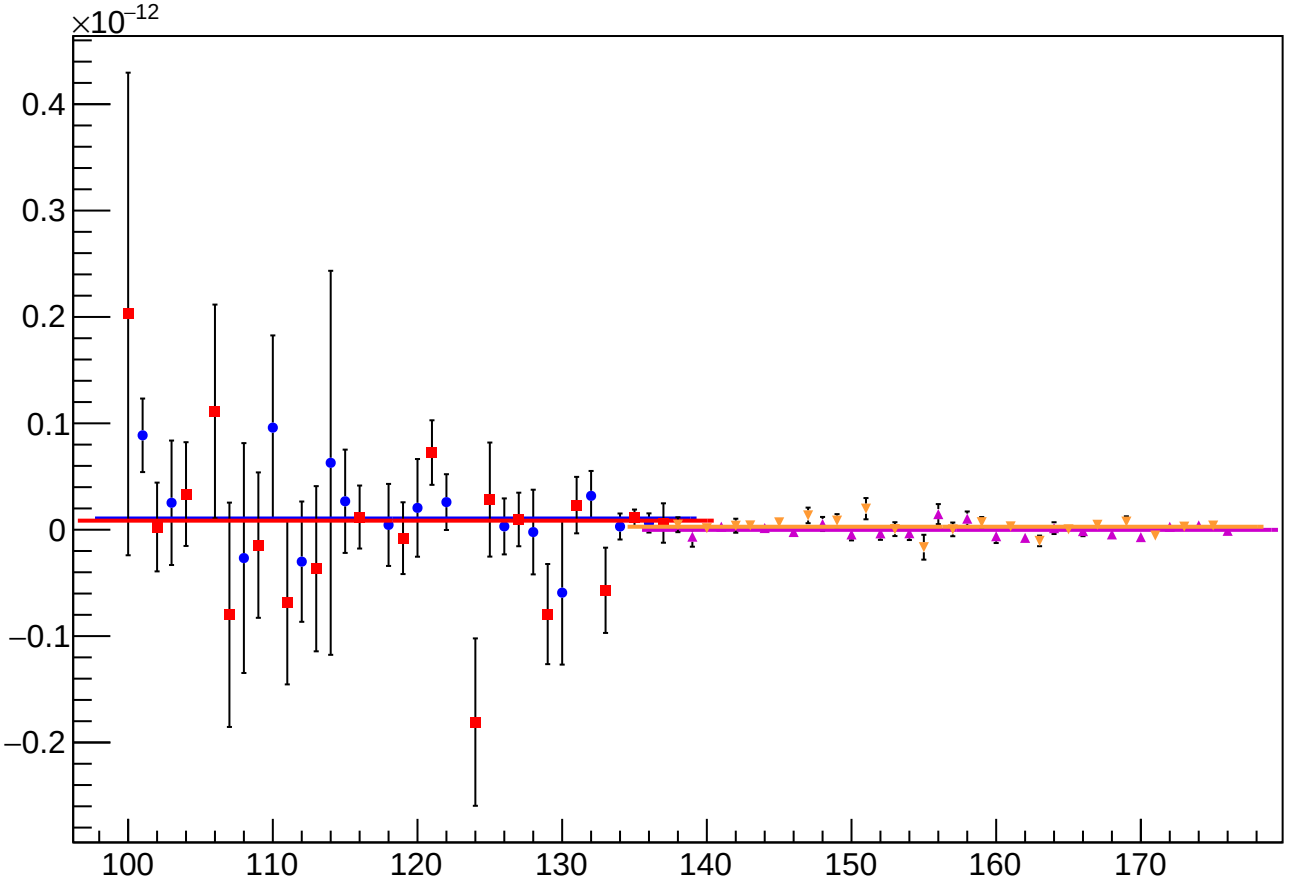
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.090+/-0.005 χ^2/NDF:1001991.1/18

+ sign 28.723+/-0.005 χ^2/NDF: 3859427.7/35

All: 28.841+/-0.003 χ^2/NDF: 7627956.9/73

- sign 28.963+/-0.005 χ^2/NDF: 3767154.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/19

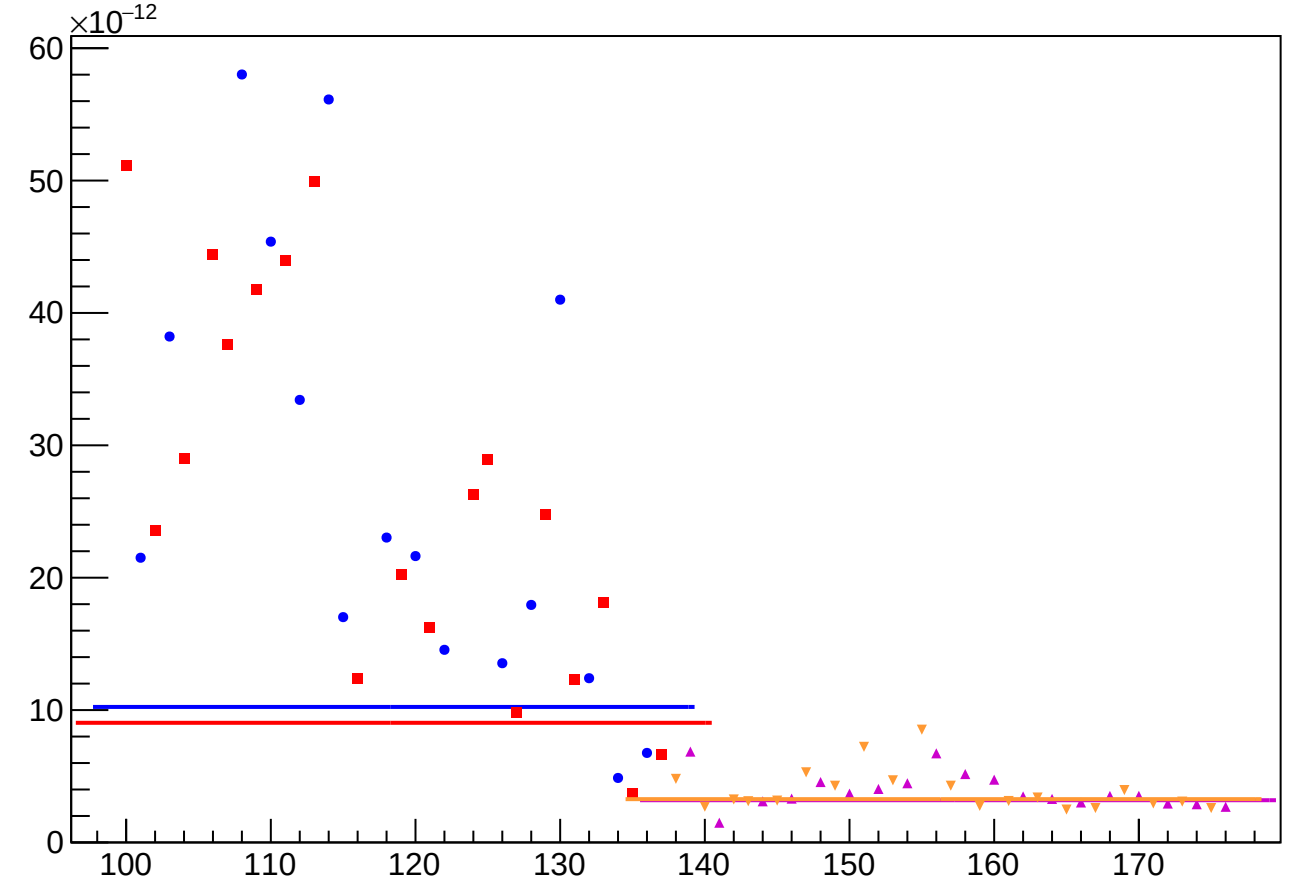
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 35.2/35

All: 0.000+/-0.000 χ^2/NDF: 79.7/73

- sign 0.000+/-0.000 χ^2/NDF: 40.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1507963.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

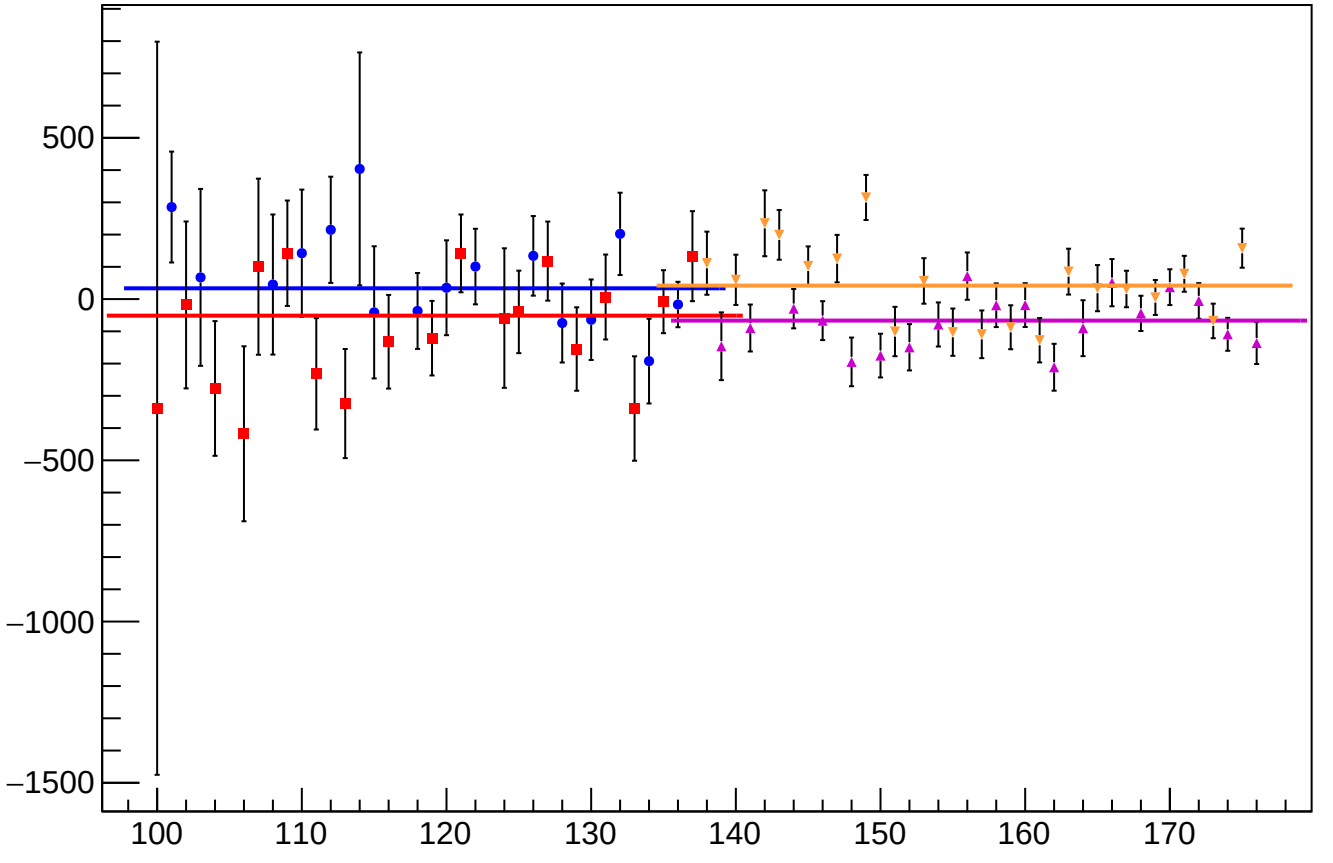
Left In: 0.000+/-0.000 χ^2/NDF:1975562.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 7631195.5/35

All: 0.000+/-0.000 χ^2/NDF: 16018570.5/73

- sign 0.000+/-0.000 χ^2/NDF: 8375901.1/37

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.835+/-15.162 χ^2/NDF:56.3/19

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

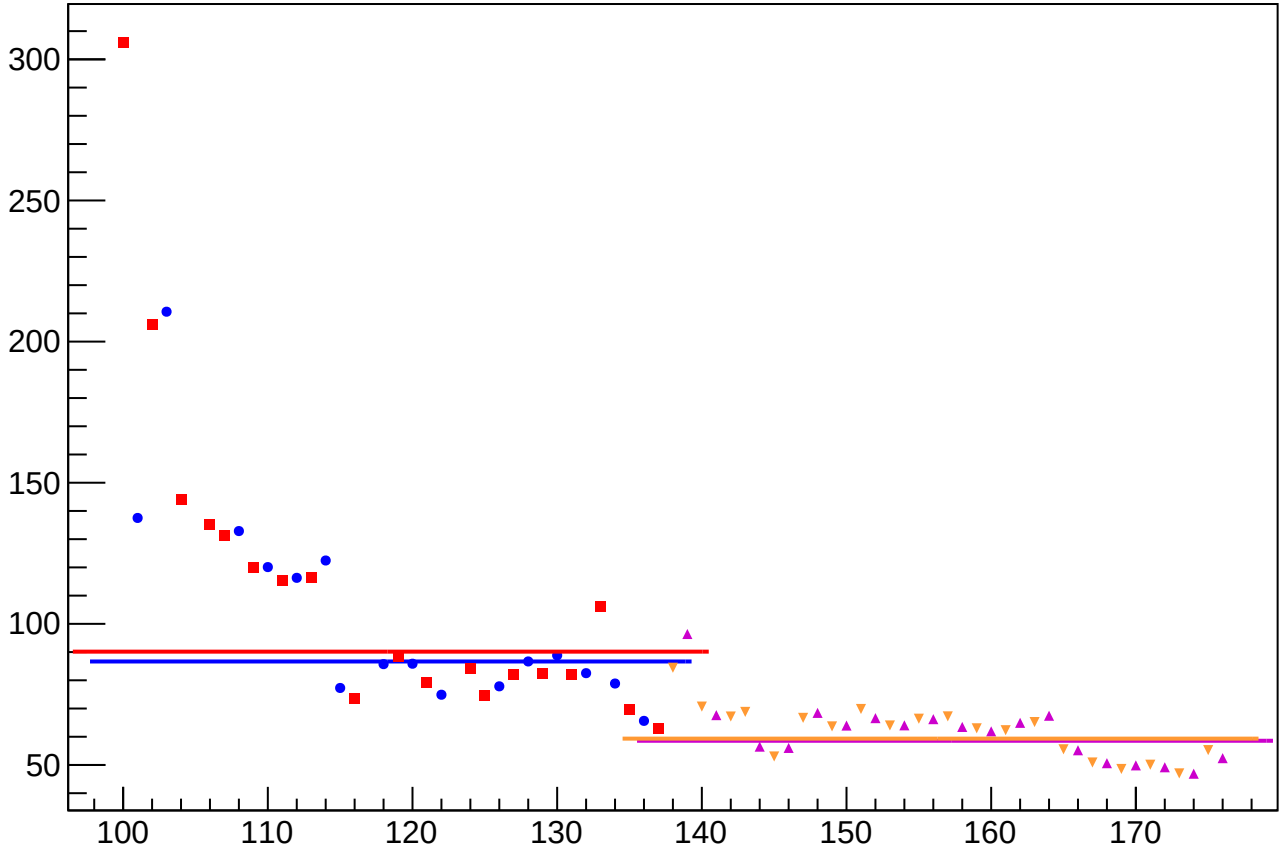
Left In: -66.695+/-15.146 χ^2/NDF:25.7/18

+ sign 40.433+/-13.839 χ^2/NDF: 69.2/35

All: -11.715+/-9.804 χ^2/NDF: 143.1/73

- sign -64.255+/-13.891 χ^2/NDF: 45.4/37

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 59.334+/-0.011 χ^2/NDF:674983.1/19

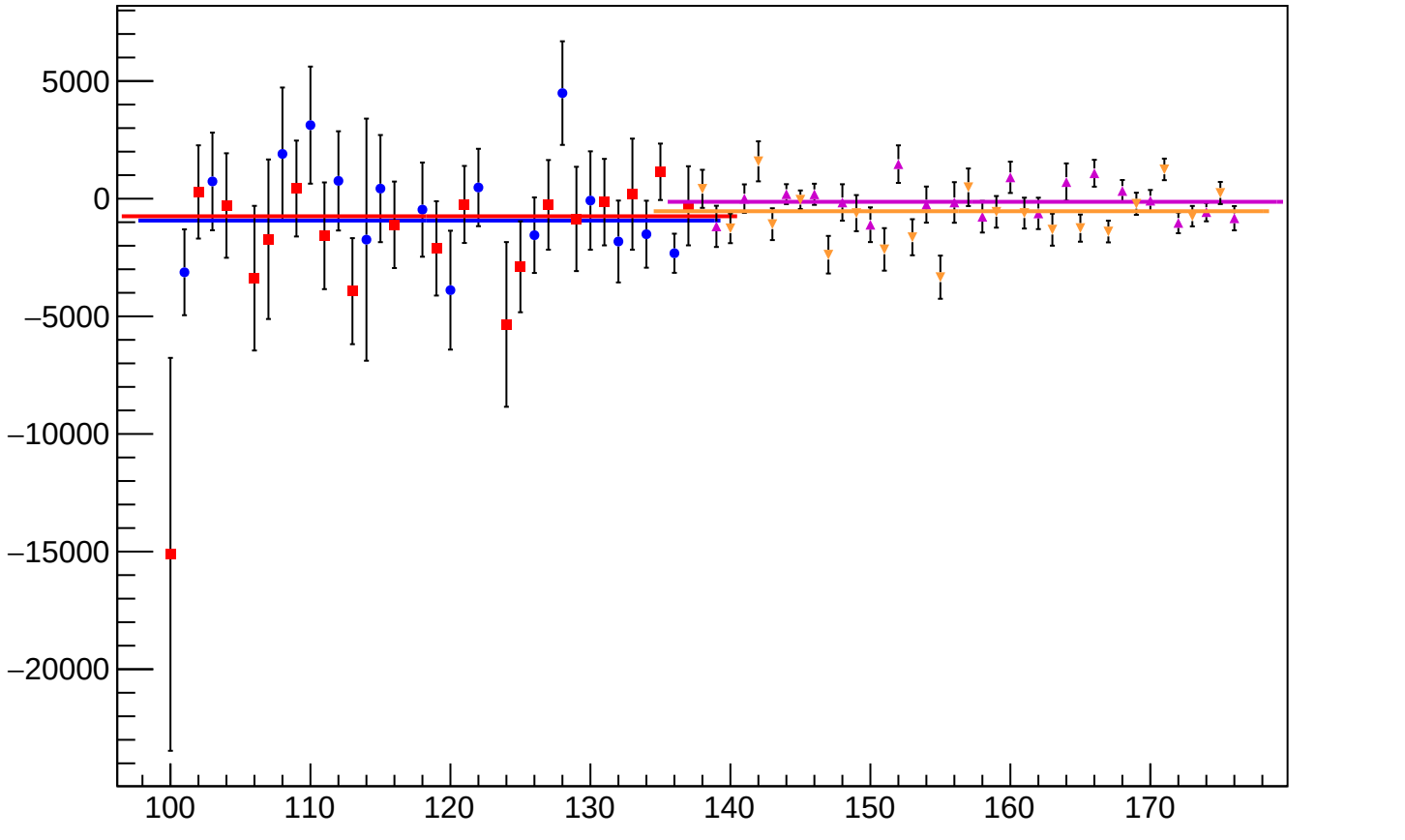
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.577+/-0.011 χ^2/NDF:730167.4/18

+ sign 63.894+/-0.010 χ^2/NDF: 2798205.4/35

All: 63.745+/-0.007 χ^2/NDF: 6059755.8/73

- sign 63.594+/-0.010 χ^2/NDF: 3261079.5/37



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -533.232+/-133.053 χ^2/NDF:57.6/19

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

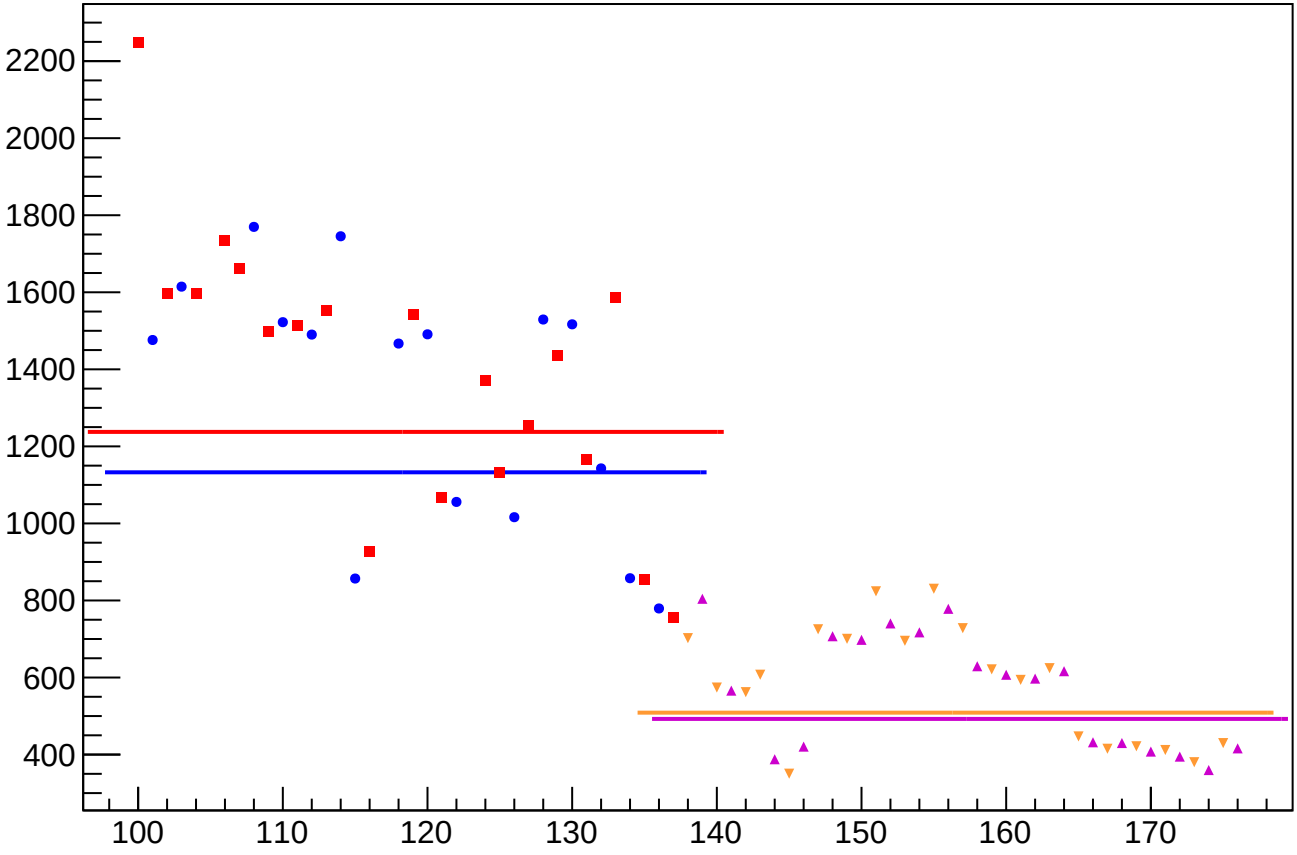
Left In: -132.461+/-130.100 χ^2/NDF:26.2/18

+ sign -566.335+/-127.379 χ^2/NDF: 76.9/35

All: -368.320+/-89.343 χ^2/NDF: 122.4/73

- sign -176.577+/-125.345 χ^2/NDF: 40.8/37

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 508.818+/-0.094 χ^2/NDF:2181296.7/19

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

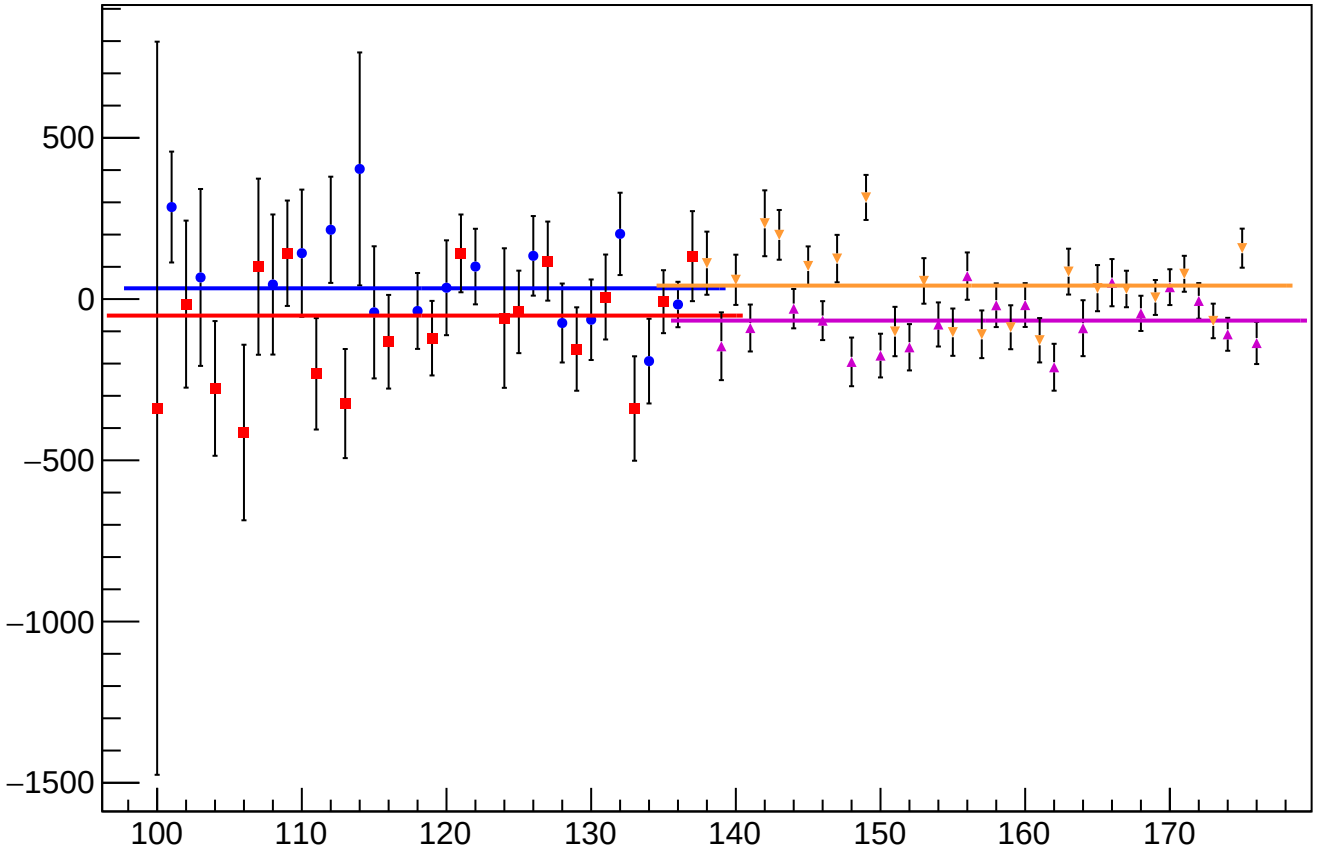
Left In: 492.566+/-0.092 χ^2/NDF:2092428.5/18

+ sign 560.892+/-0.090 χ^2/NDF: 6975726.4/35

All: 553.343+/-0.063 χ^2/NDF: 14684027.1/73

- sign 546.032+/-0.089 χ^2/NDF: 7694472.7/37

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.836+/-15.162 χ^2/NDF:56.3/19

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

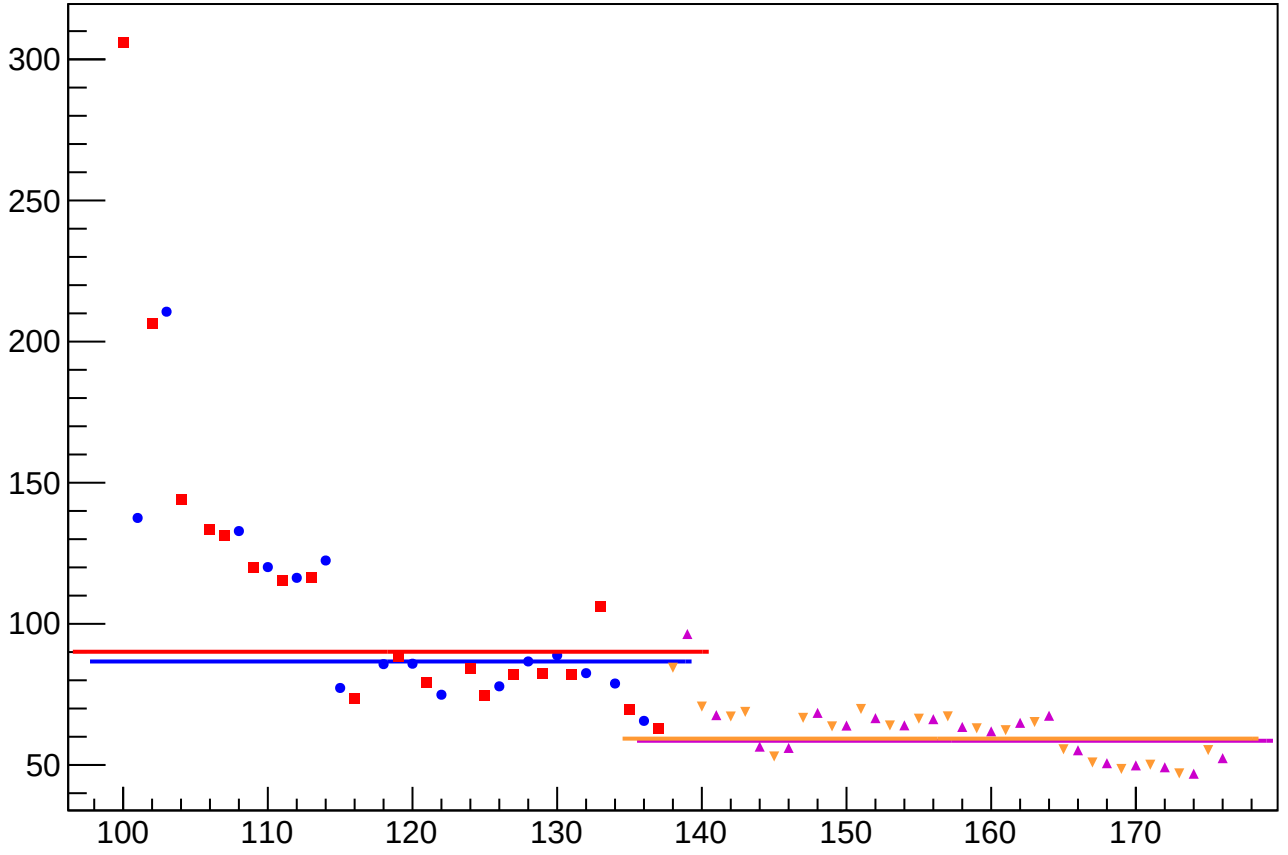
Left In: -66.693+/-15.146 χ^2/NDF:25.7/18

+ sign 40.432+/-13.839 χ^2/NDF: 69.2/35

All: -11.702+/-9.804 χ^2/NDF: 143.0/73

- sign -64.230+/-13.891 χ^2/NDF: 45.4/37

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 59.334+/-0.011 χ^2/NDF:674983.1/19

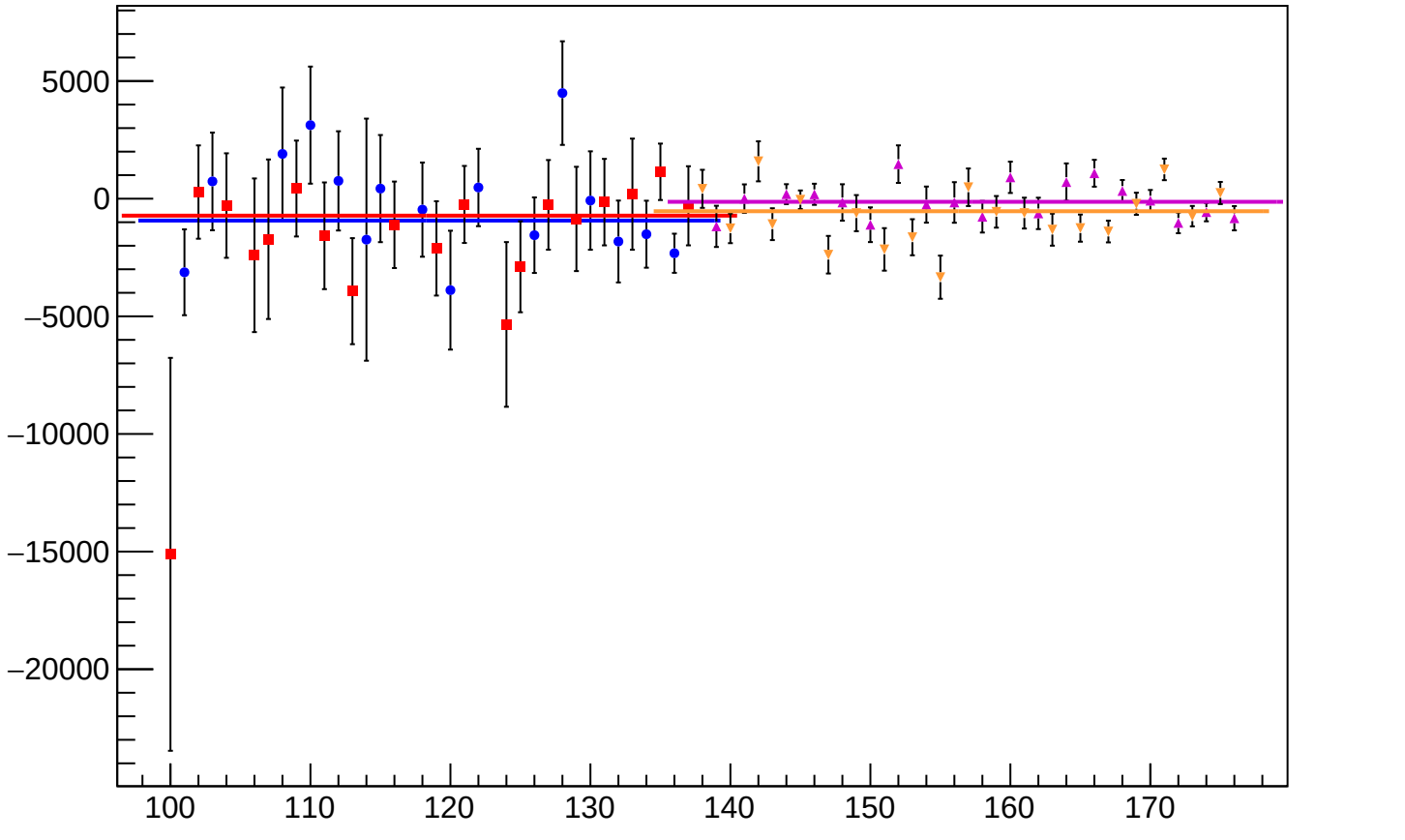
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.577+/-0.011 χ^2/NDF:730167.4/18

+ sign 63.894+/-0.010 χ^2/NDF: 2798207.7/35

All: 63.741+/-0.007 χ^2/NDF: 6051701.3/73

- sign 63.587+/-0.010 χ^2/NDF: 3253002.4/37



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -533.230+/-133.053 χ^2/NDF:57.6/19

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

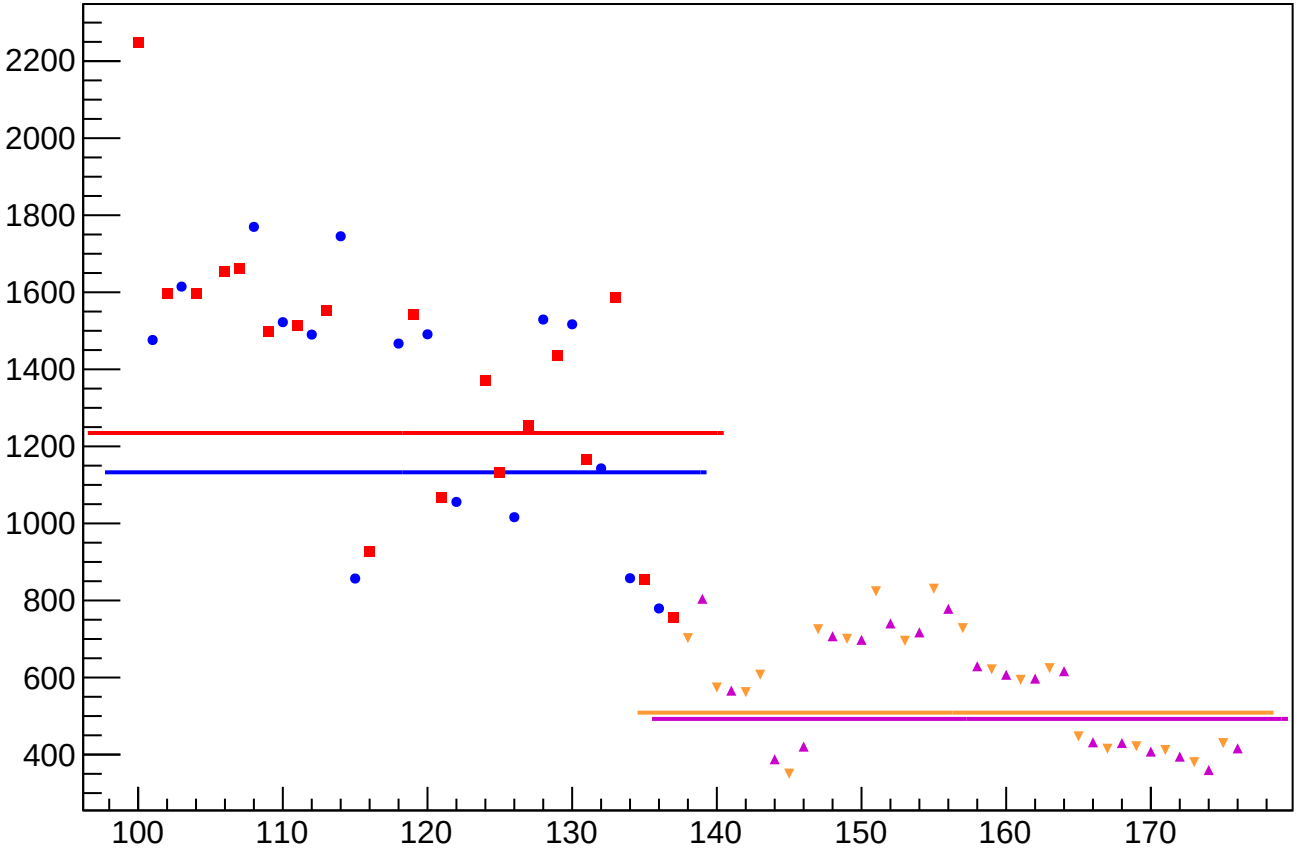
Left In: -132.459+/-130.100 χ^2/NDF:26.2/18

+ sign -566.330+/-127.379 χ^2/NDF: 76.9/35

All: -367.312+/-89.347 χ^2/NDF: 121.8/73

- sign -174.560+/-125.358 χ^2/NDF: 40.1/37

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 508.817+/-0.094 χ^2/NDF:2181300.5/19

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

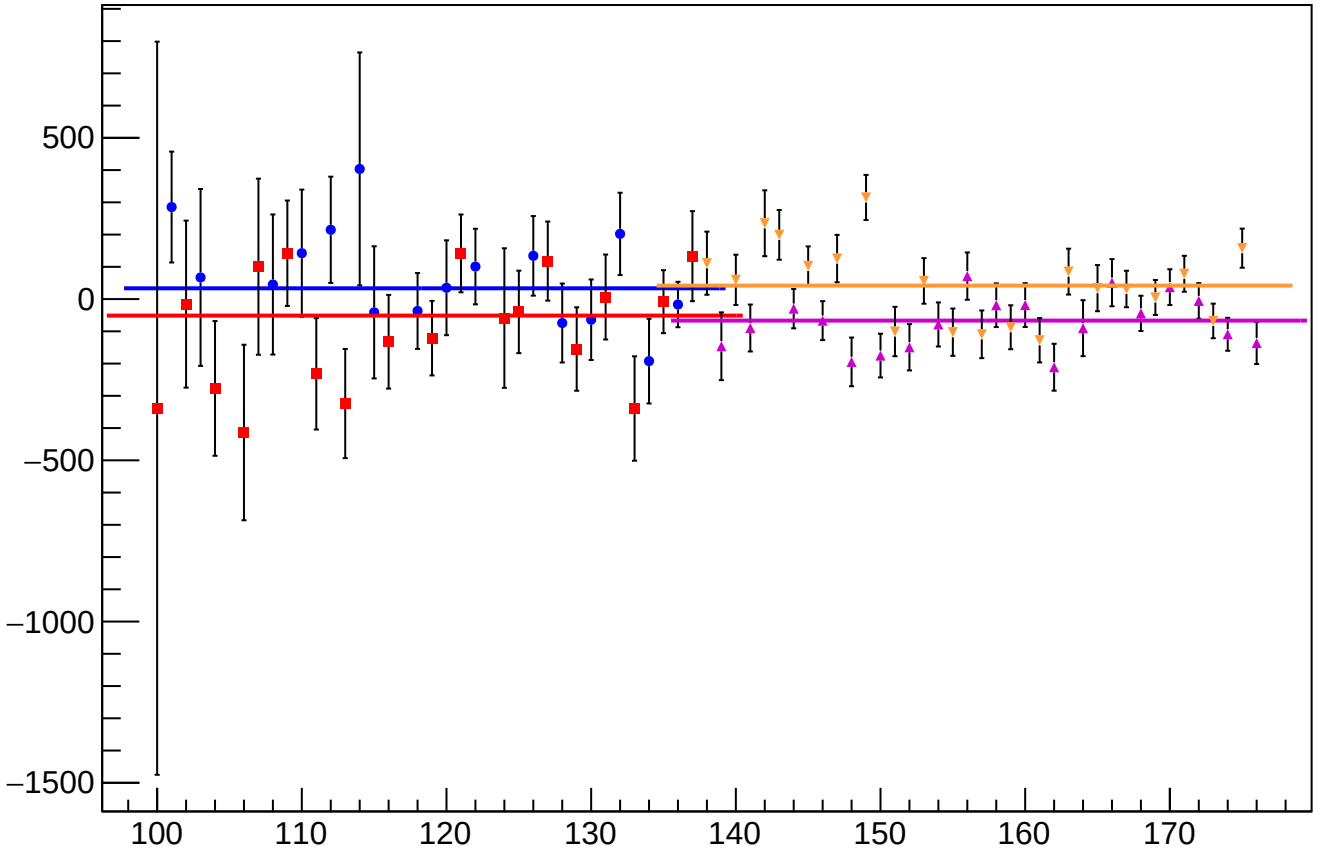
Left In: 492.566+/-0.092 χ^2/NDF:2092430.5/18

+ sign 560.892+/-0.090 χ^2/NDF: 6975766.7/35

All: 553.170+/-0.063 χ^2/NDF: 14617527.5/73

- sign 545.691+/-0.089 χ^2/NDF: 7627292.6/37

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.836+/-15.162 χ^2/NDF:56.3/19

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

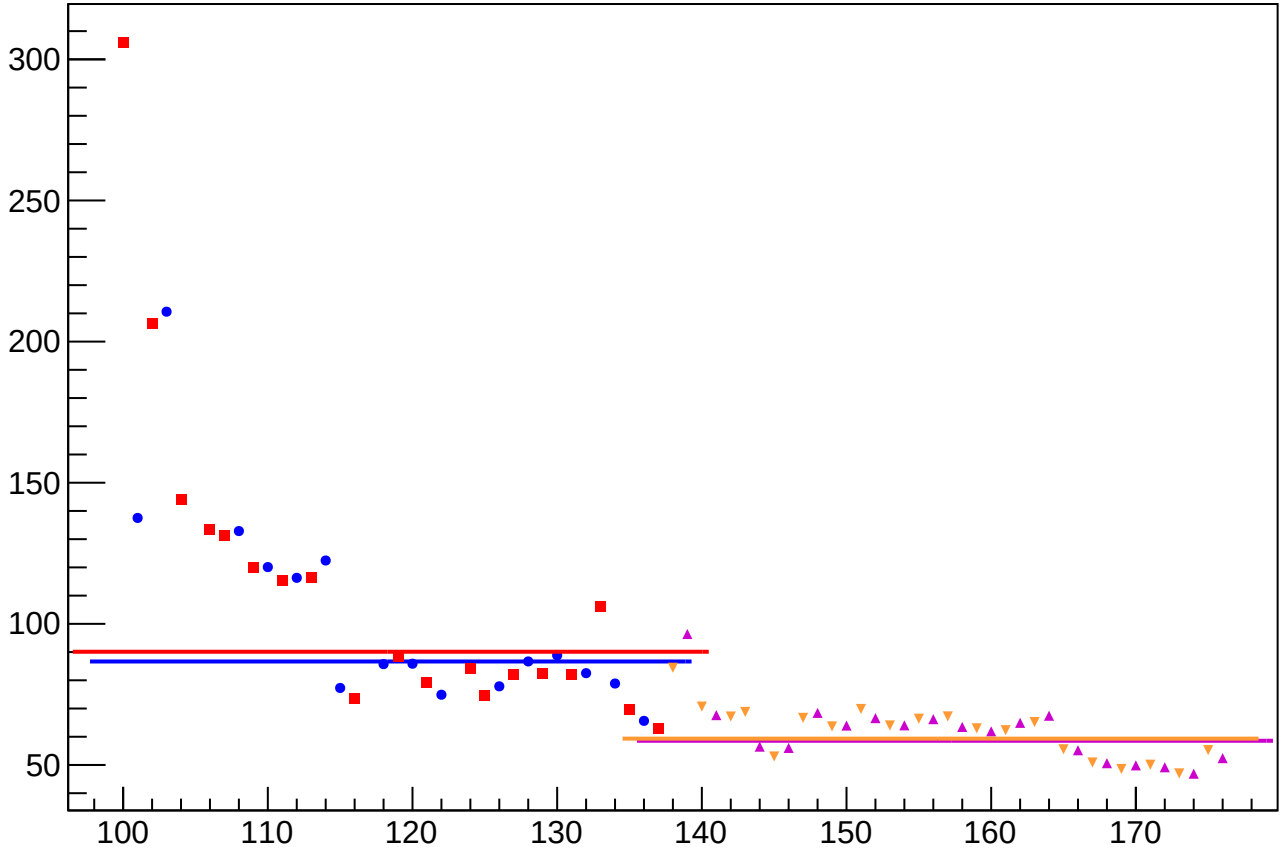
Left In: -66.693+/-15.146 χ^2/NDF:25.7/18

+ sign 40.432+/-13.839 χ^2/NDF: 69.2/35

All: -11.702+/-9.804 χ^2/NDF: 143.0/73

- sign -64.230+/-13.891 χ^2/NDF: 45.4/37

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 59.334+/-0.011 χ^2/NDF:674983.1/19

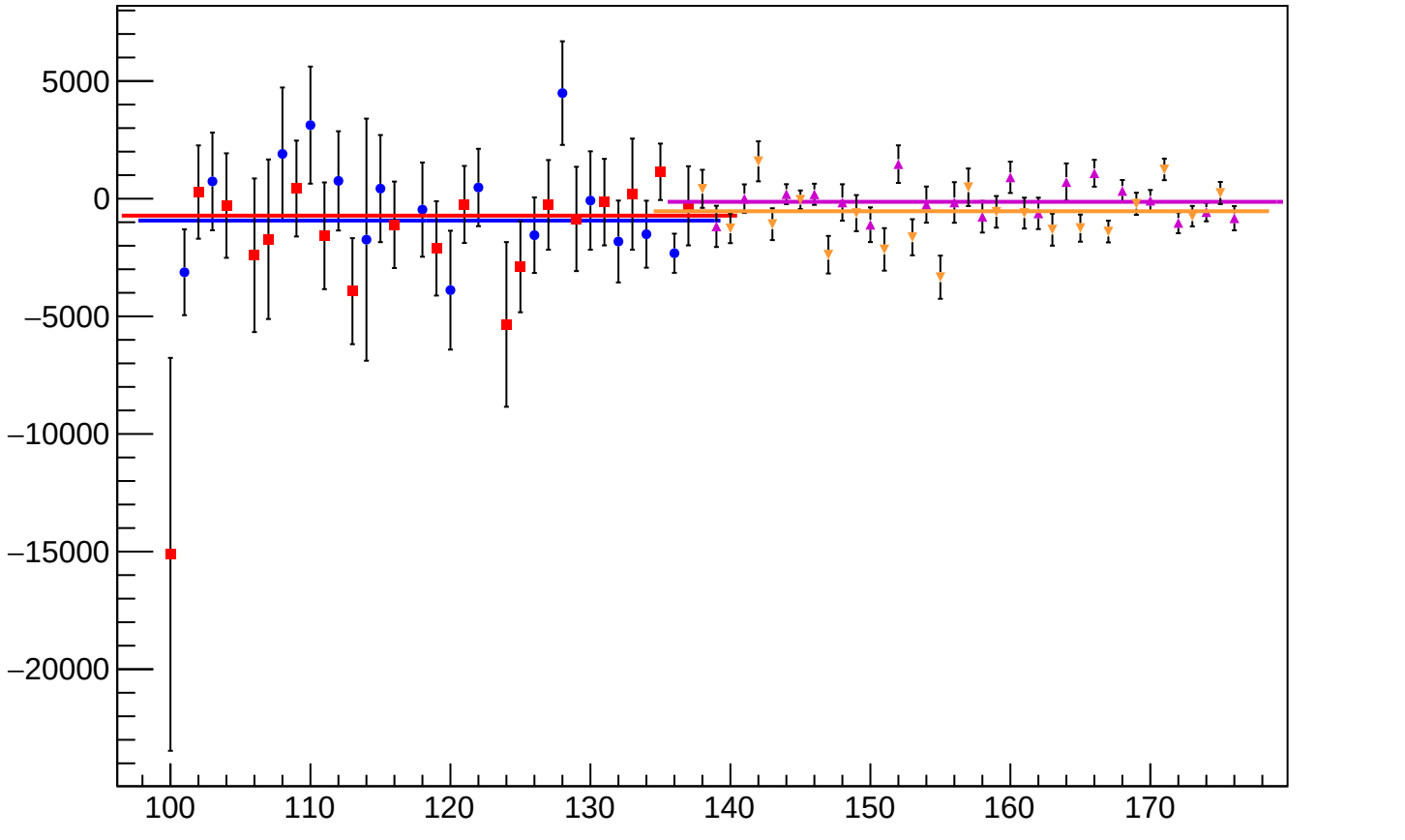
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.577+/-0.011 χ^2/NDF:730167.4/18

+ sign 63.894+/-0.010 χ^2/NDF: 2798207.7/35

All: 63.741+/-0.007 χ^2/NDF: 6051701.3/73

- sign 63.587+/-0.010 χ^2/NDF: 3253002.4/37



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -533.230+/-133.053 χ^2/NDF:57.6/19

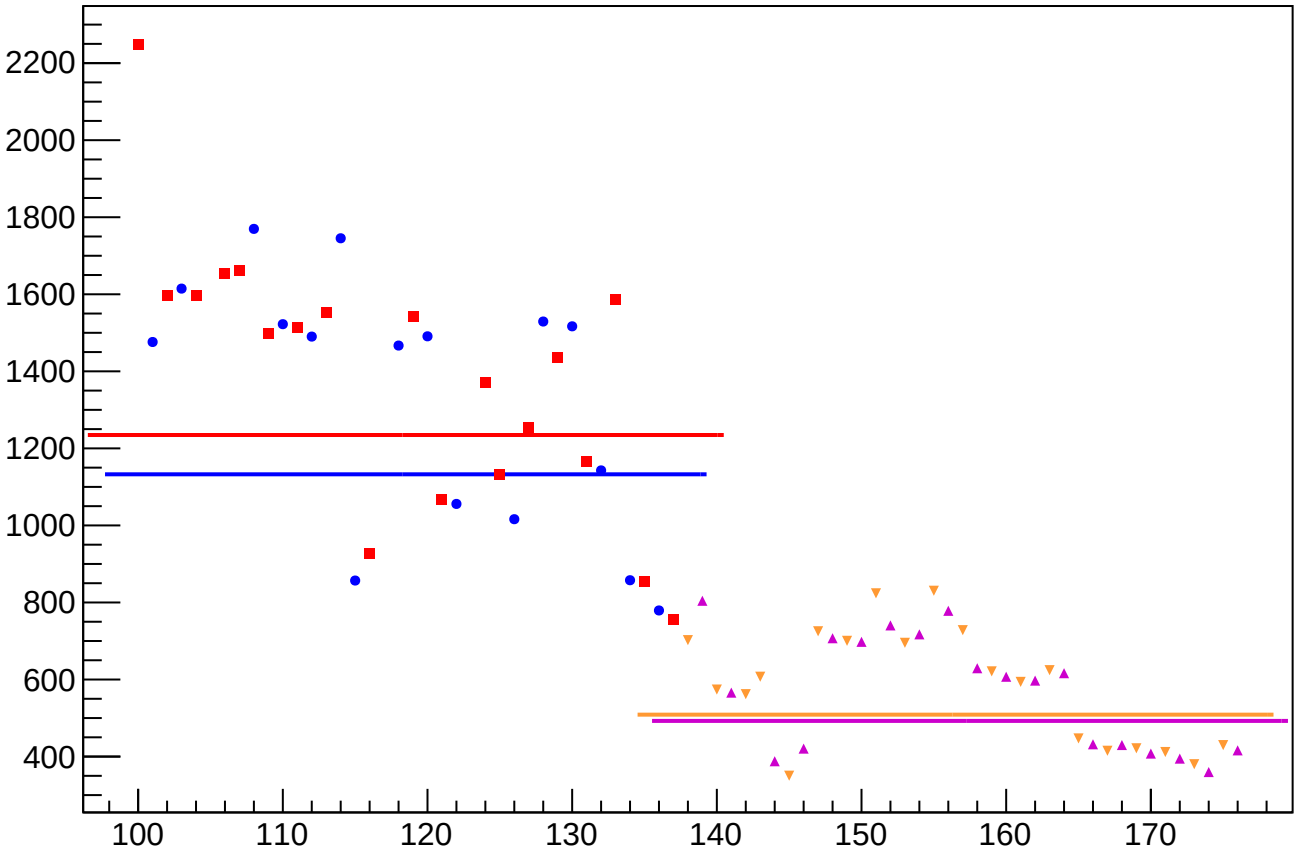
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -132.459+/-130.100 χ^2/NDF:26.2/18

\+ sign -566.330+/-127.379 χ^2/NDF: 76.9/35

All: -367.312+/-89.347 χ^2/NDF: 121.8/73

\- sign -174.560+/-125.358 χ^2/NDF: 40.1/37



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 508.817+/-0.094 χ^2/NDF:2181300.5/19

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

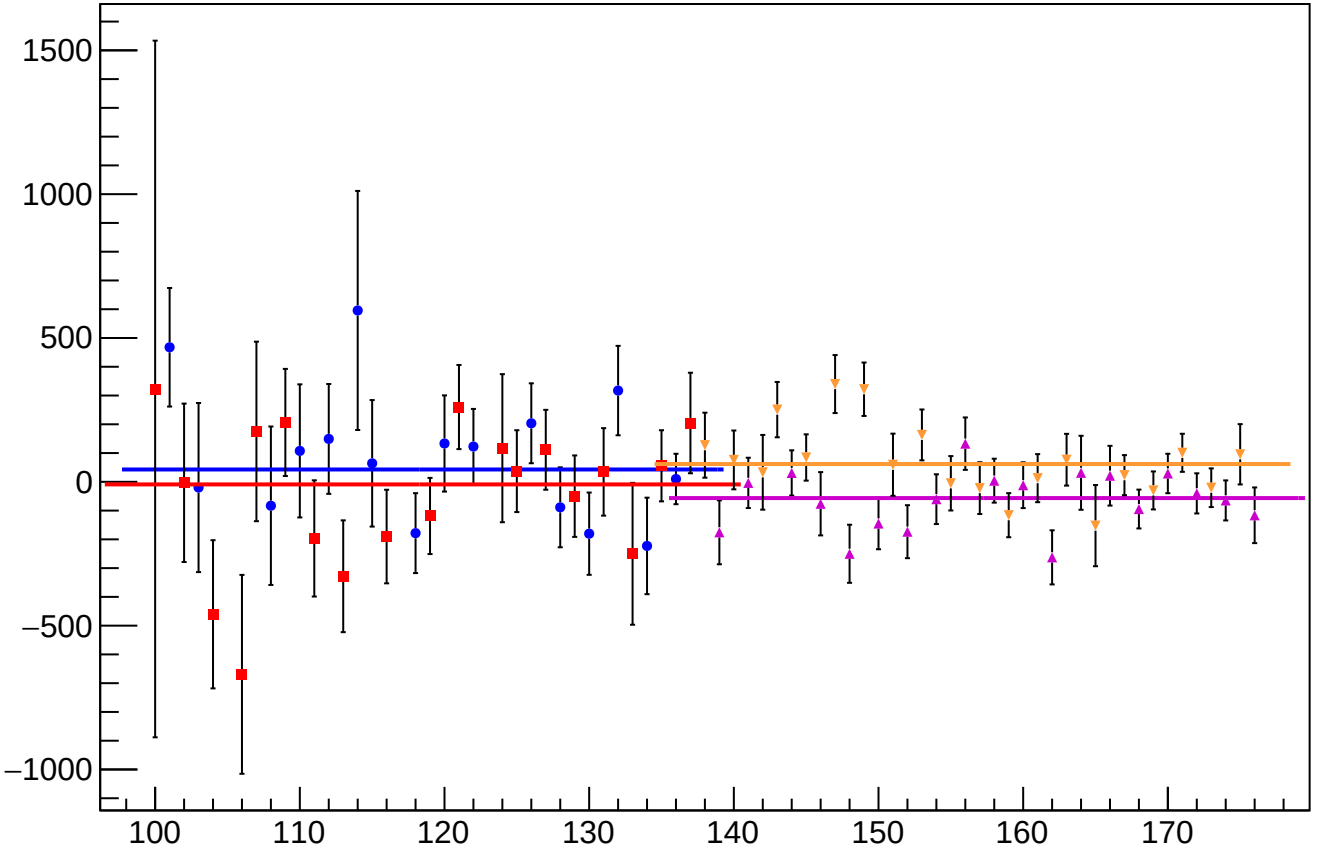
Left In: 492.566+/-0.092 χ^2/NDF:2092430.5/18

+ sign 560.892+/-0.090 χ^2/NDF: 6975766.7/35

All: 553.170+/-0.063 χ^2/NDF: 14617527.5/73

- sign 545.691+/-0.089 χ^2/NDF: 7627292.6/37

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 61.765+/-19.528 χ^2/NDF:34.7/19

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

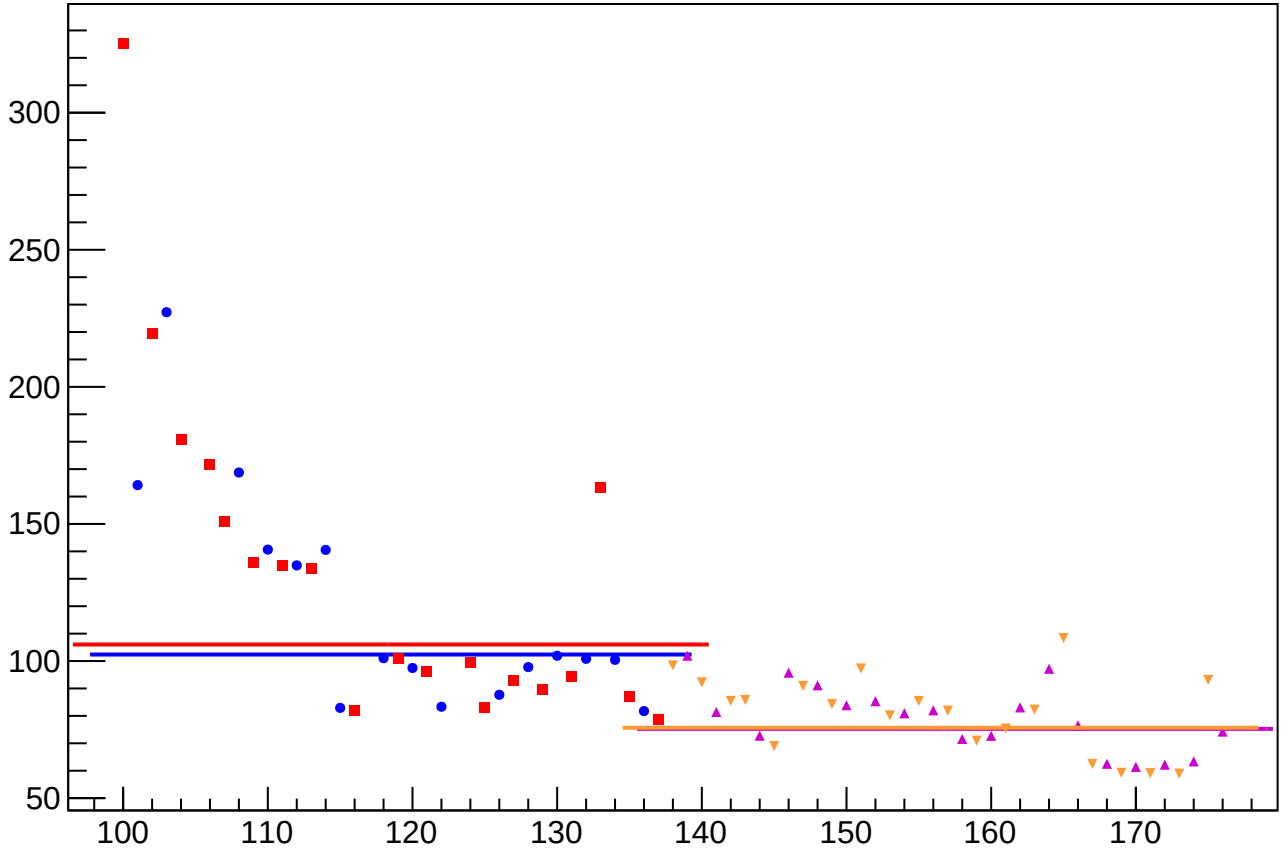
Left In: -56.506+/-19.620 χ^2/NDF:22.5/18

+ sign 58.129+/-17.544 χ^2/NDF: 55.2/35

All: 5.705+/-12.461 χ^2/NDF: 118.1/73

- sign -47.673+/-17.703 χ^2/NDF: 44.9/37

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 75.679+/-0.014 χ^2/NDF:986417.9/19

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

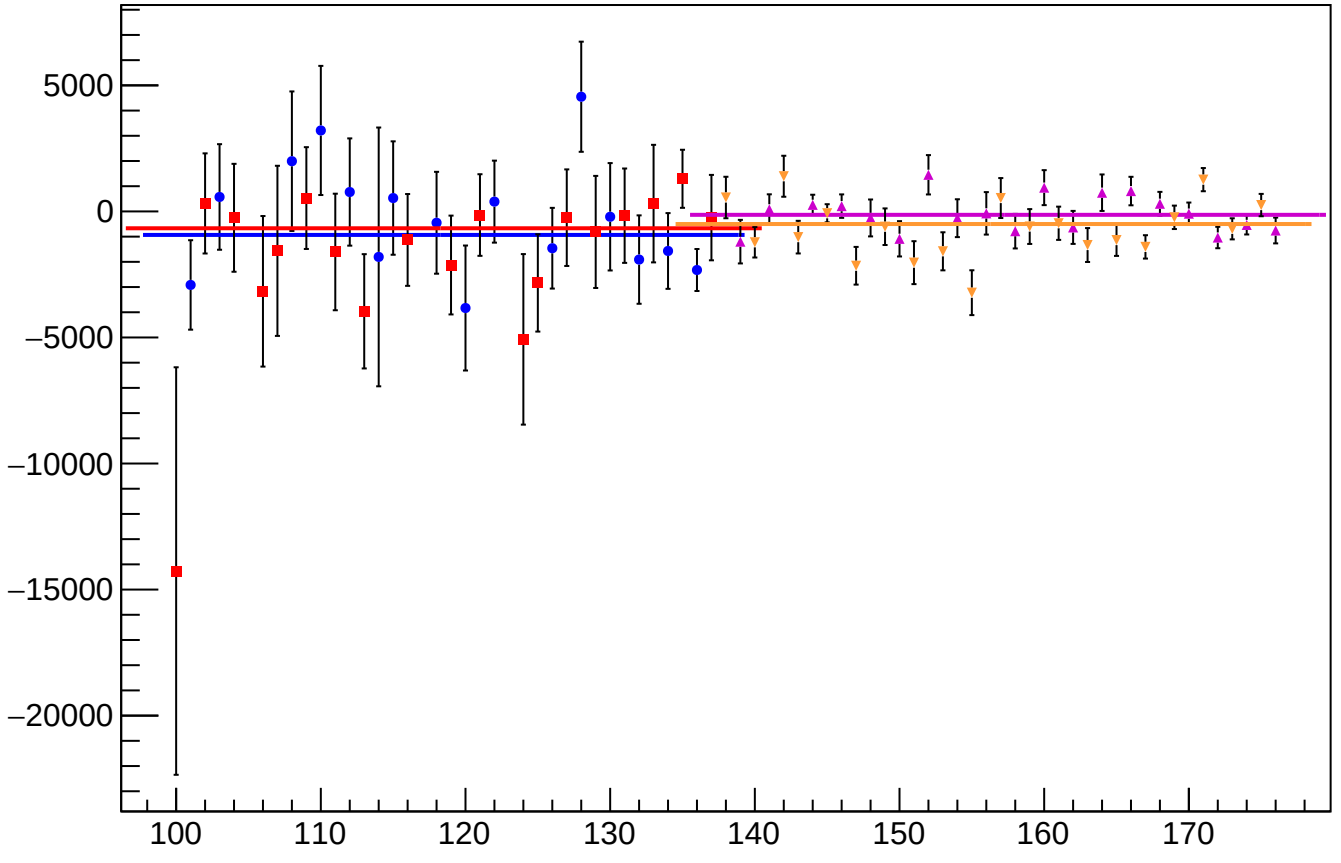
Left In: 75.258+/-0.014 χ^2/NDF:668251.7/18

+ sign 80.828+/-0.012 χ^2/NDF: 2689844.5/35

All: 80.903+/-0.009 χ^2/NDF: 5464114.9/73

- sign 80.979+/-0.013 χ^2/NDF: 2774197.3/37

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -500.163+/-129.619 χ^2/NDF:56.3/19

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

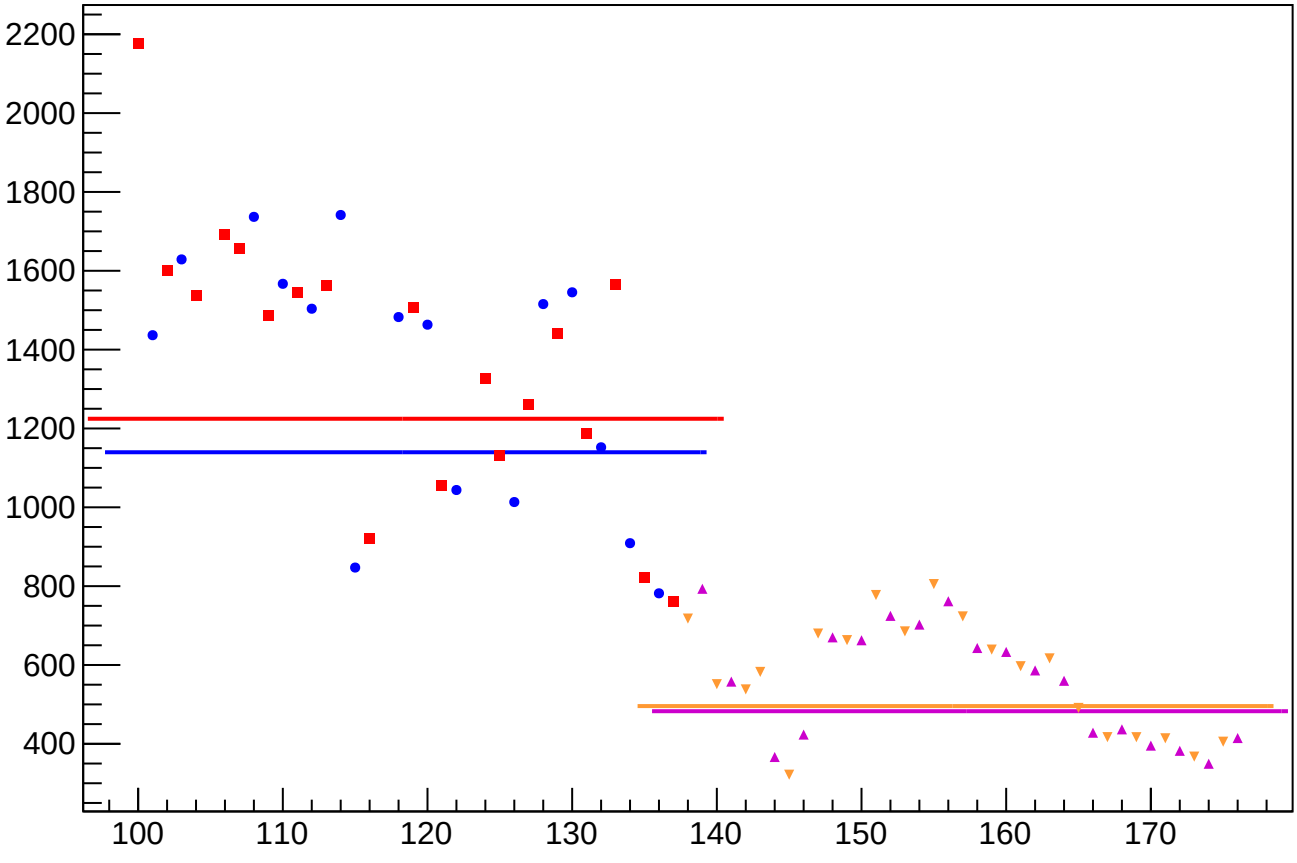
Left In: -135.391+/-127.717 χ^2/NDF:25.3/18

+ sign -534.287+/-124.397 χ^2/NDF: 75.7/35

All: -351.812+/-87.508 χ^2/NDF: 120.0/73

- sign -173.057+/-123.123 χ^2/NDF: 40.0/37

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 495.761+/-0.092 χ^2/NDF:2300758.5/19

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

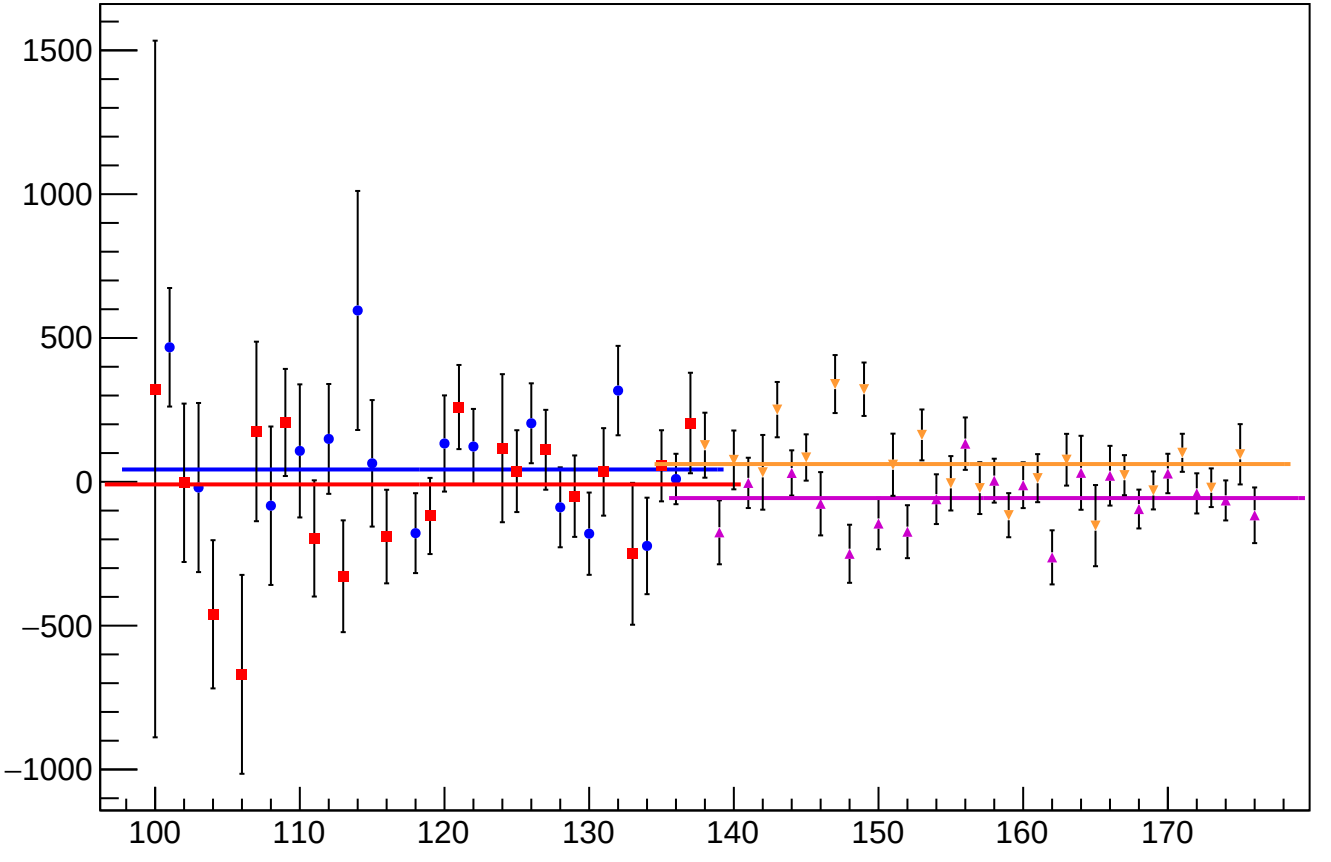
Left In: 482.751+/-0.090 χ^2/NDF:2122725.0/18

+ sign 546.597+/-0.088 χ^2/NDF: 7290694.3/35

All: 540.823+/-0.062 χ^2/NDF: 15112191.9/73

- sign 535.165+/-0.087 χ^2/NDF: 7812965.3/37

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 61.764+/-19.528 χ^2/NDF:34.7/19

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

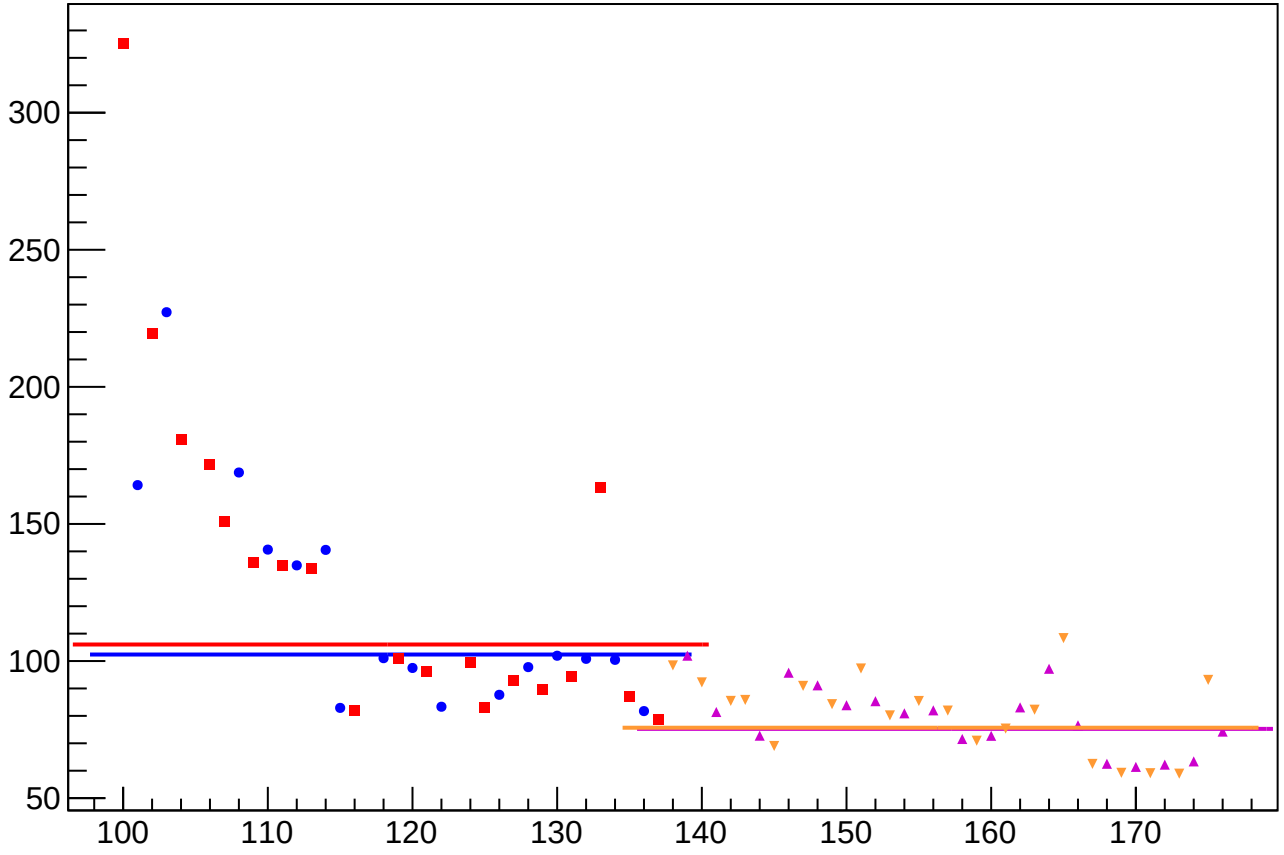
Left In: -56.505+/-19.620 χ^2/NDF:22.5/18

+ sign 58.128+/-17.544 χ^2/NDF: 55.2/35

All: 5.705+/-12.461 χ^2/NDF: 118.1/73

- sign -47.672+/-17.703 χ^2/NDF: 44.9/37

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 75.679+/-0.014 χ^2/NDF:986416.8/19

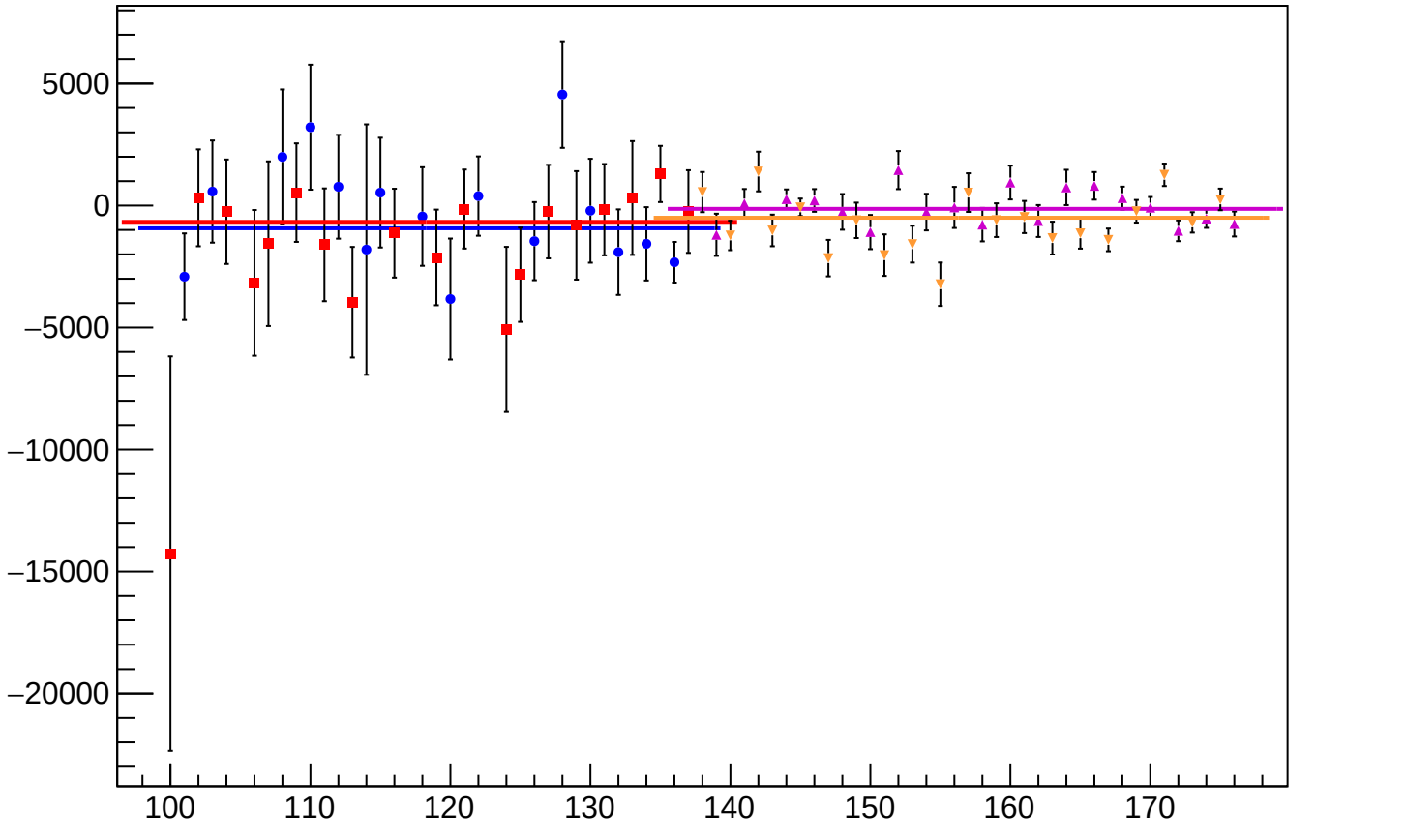
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 75.258+/-0.014 χ^2/NDF:668247.7/18

+ sign 80.828+/-0.012 χ^2/NDF: 2689815.7/35

All: 80.903+/-0.009 χ^2/NDF: 5464060.9/73

- sign 80.979+/-0.013 χ^2/NDF: 2774172.1/37



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -500.163+/-129.619 χ^2/NDF:56.3/19

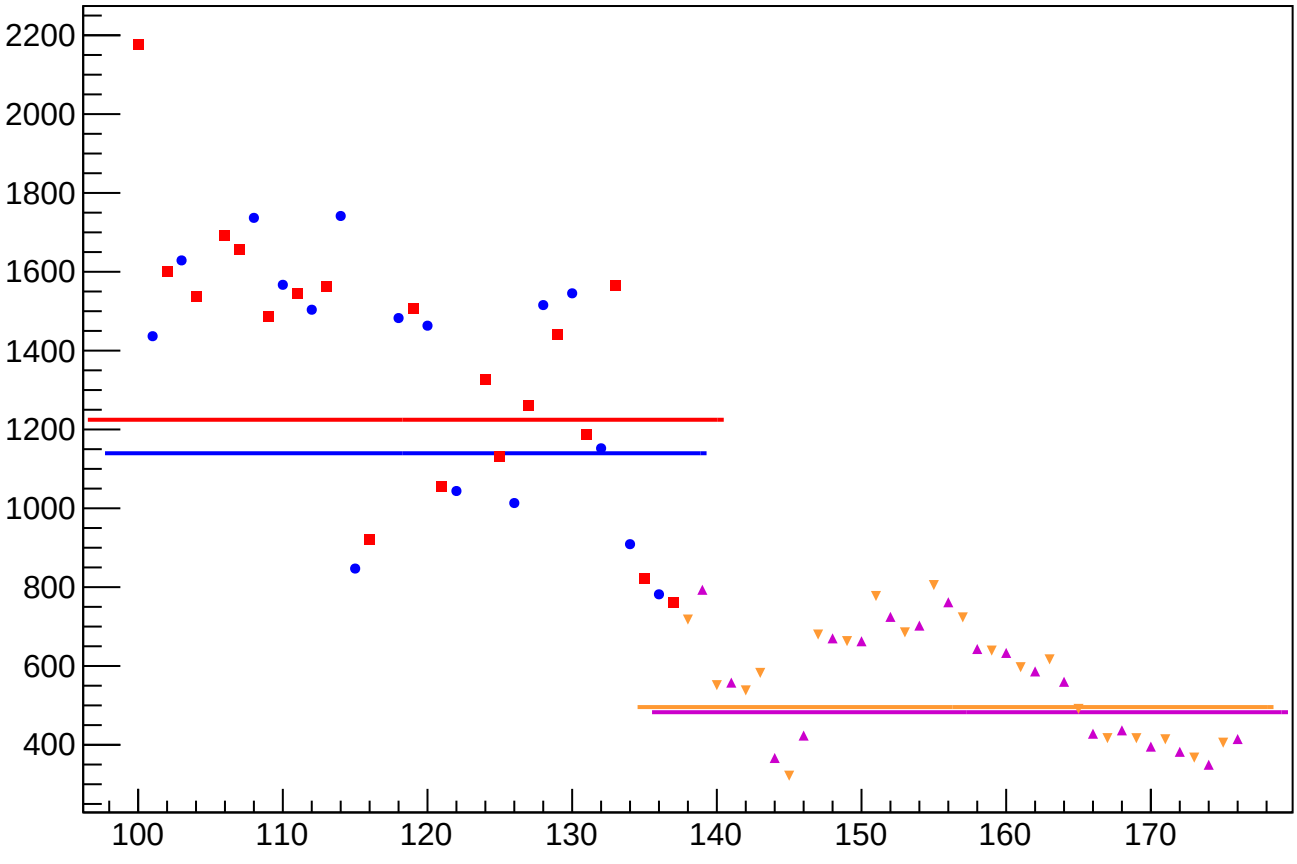
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -135.390+/-127.717 χ^2/NDF:25.3/18

+ sign -534.286+/-124.397 χ^2/NDF: 75.7/35

All: -351.811+/-87.508 χ^2/NDF: 120.0/73

- sign -173.056+/-123.123 χ^2/NDF: 40.0/37



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 495.761+/-0.092 χ^2/NDF:2300764.4/19

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

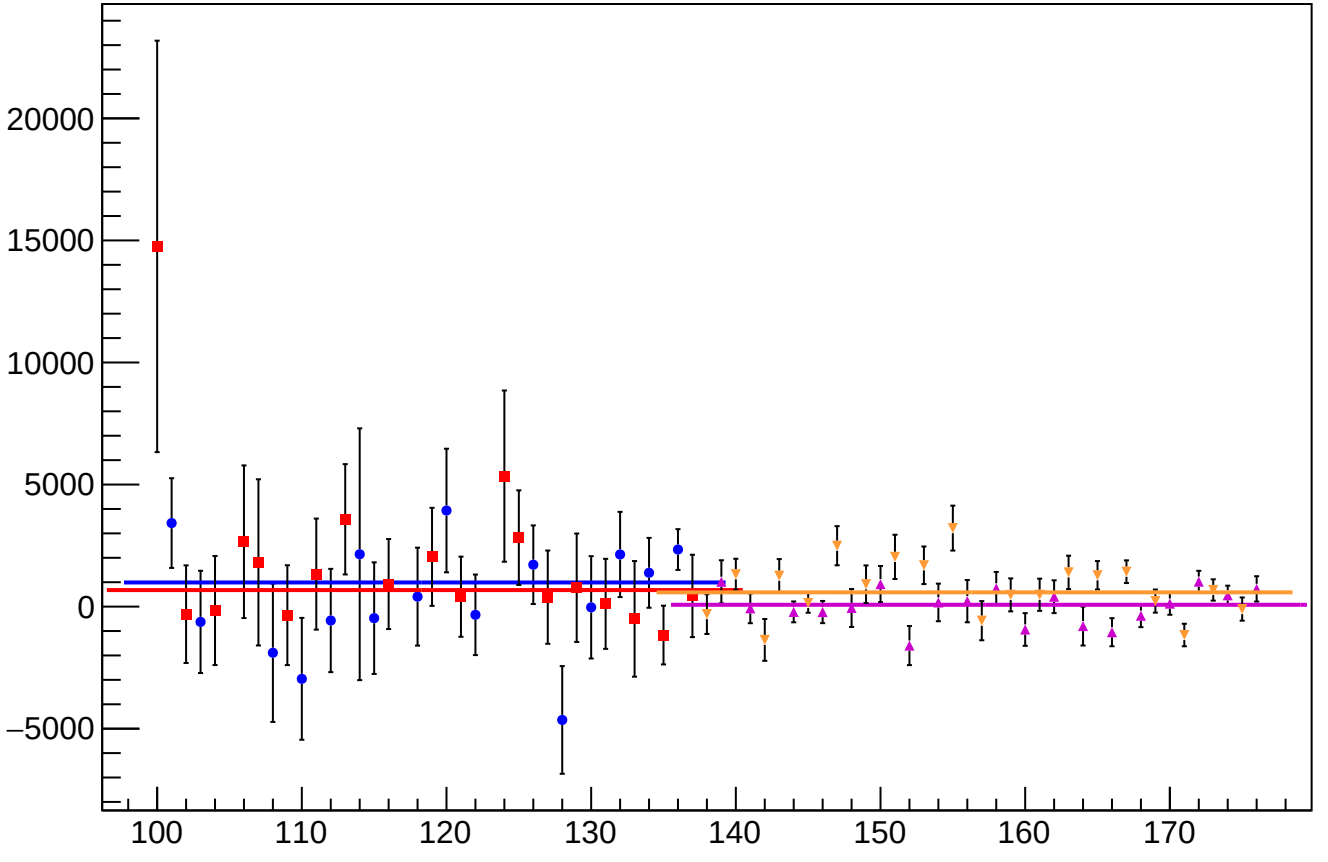
Left In: 482.750+/-0.090 χ^2/NDF:2122718.1/18

+ sign 546.597+/-0.088 χ^2/NDF: 7290689.9/35

All: 540.822+/-0.062 χ^2/NDF: 15112163.5/73

- sign 535.165+/-0.087 χ^2/NDF: 7812942.0/37

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 584.464+/-134.028 χ^2/NDF:54.0/19

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

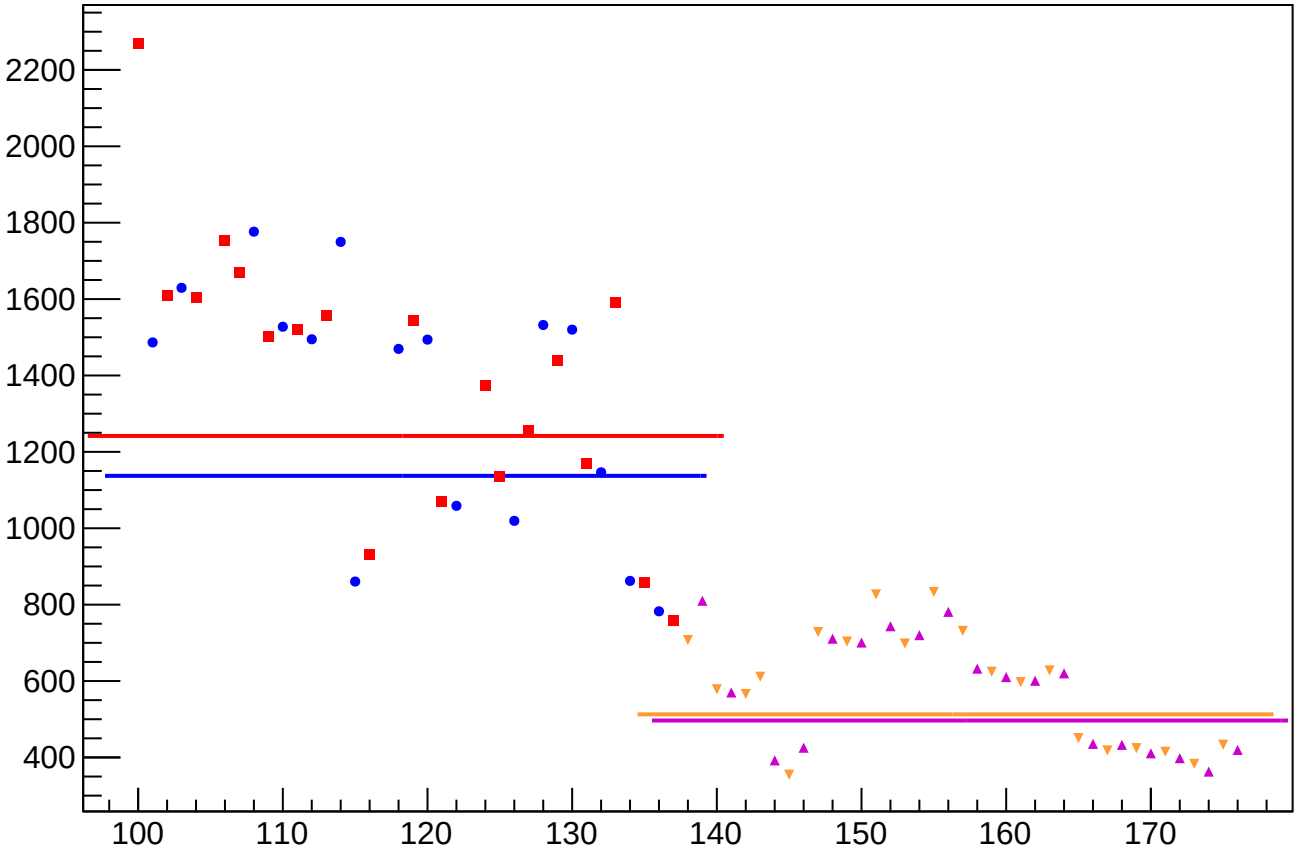
Left In: 74.817+/-131.106 χ^2/NDF:24.4/18

\+ sign 618.466+/-128.276 χ^2/NDF: 73.8/35

All: 364.505+/-89.990 χ^2/NDF: 119.3/73

\- sign 118.396+/-126.278 χ^2/NDF: 37.8/37

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 512.798+/-0.095 χ^2/NDF:2152049.1/19

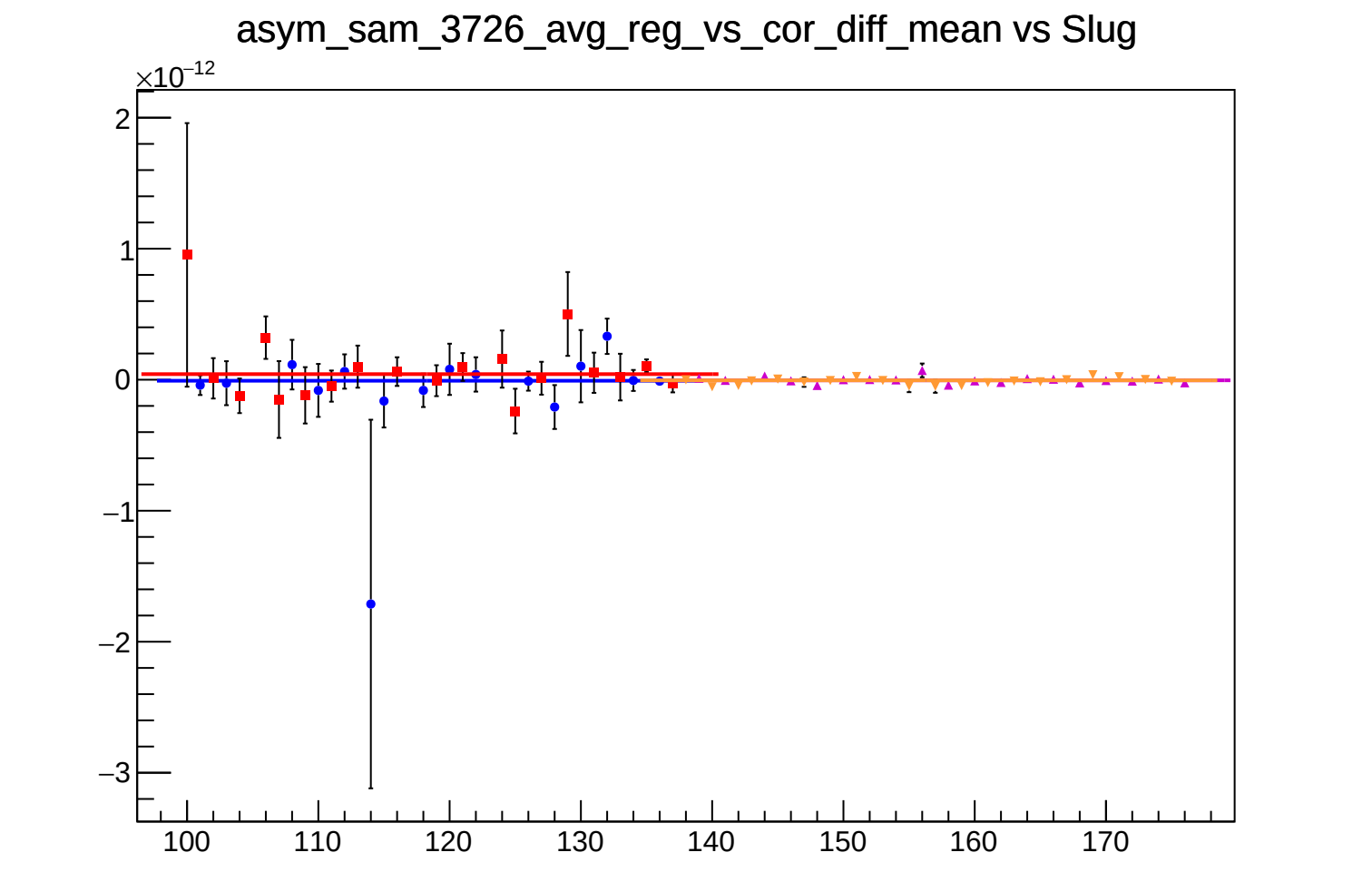
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

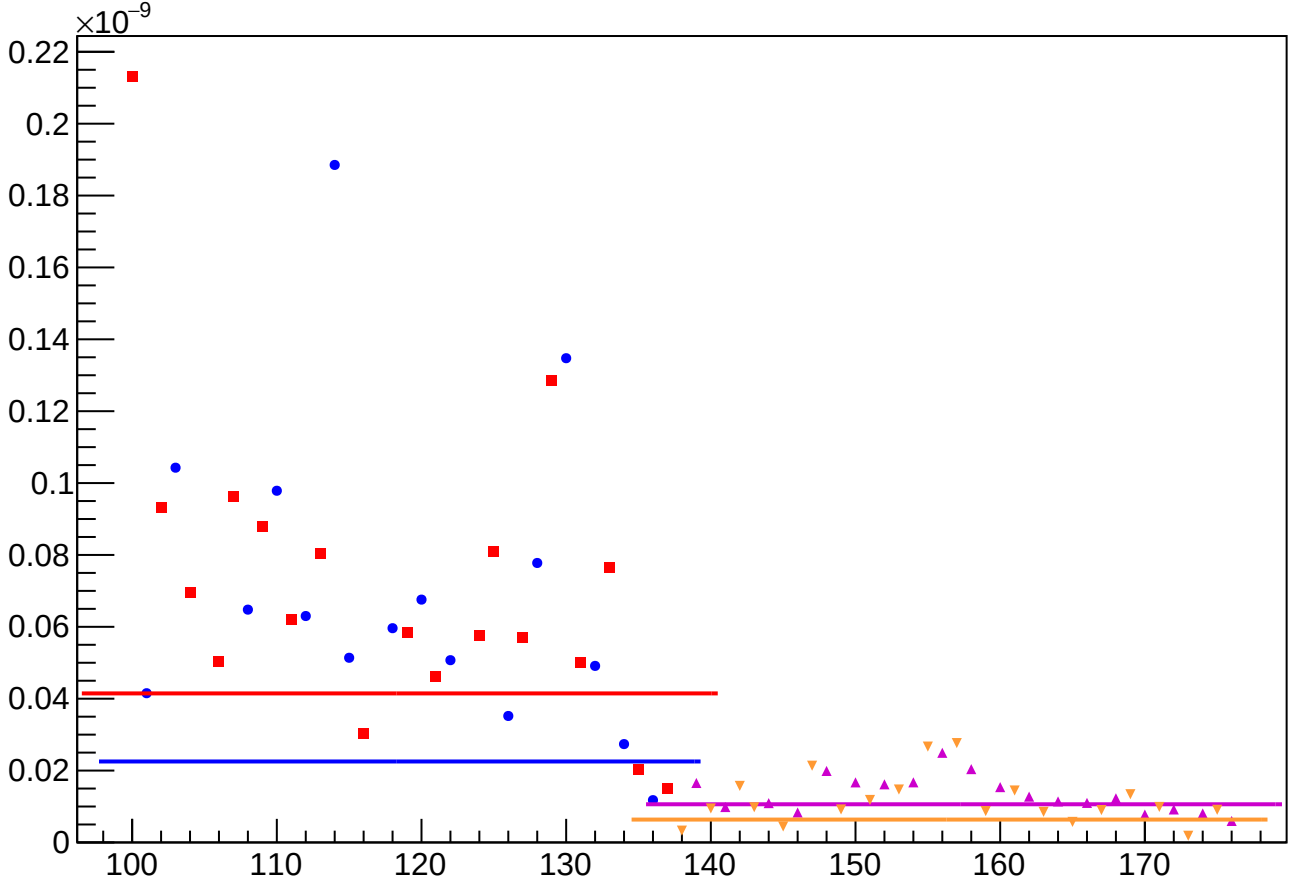
Left In: 496.609+/-0.093 χ^2/NDF:2065797.7/18

+ sign 565.240+/-0.091 χ^2/NDF: 6921584.5/35

All: 557.742+/-0.064 χ^2/NDF: 14570265.0/73

- sign 550.475+/-0.089 χ^2/NDF: 7635224.2/37


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.7/15
Left Out: -0.000+/-0.000 χ²/NDF:26.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 15.5/18
Left In: -0.000+/-0.000 χ²/NDF:13.1/18
+ sign -0.000+/-0.000 χ²/NDF: 38.6/35
All: -0.000+/-0.000 χ²/NDF: 70.2/73
- sign -0.000+/-0.000 χ²/NDF: 31.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3677876.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

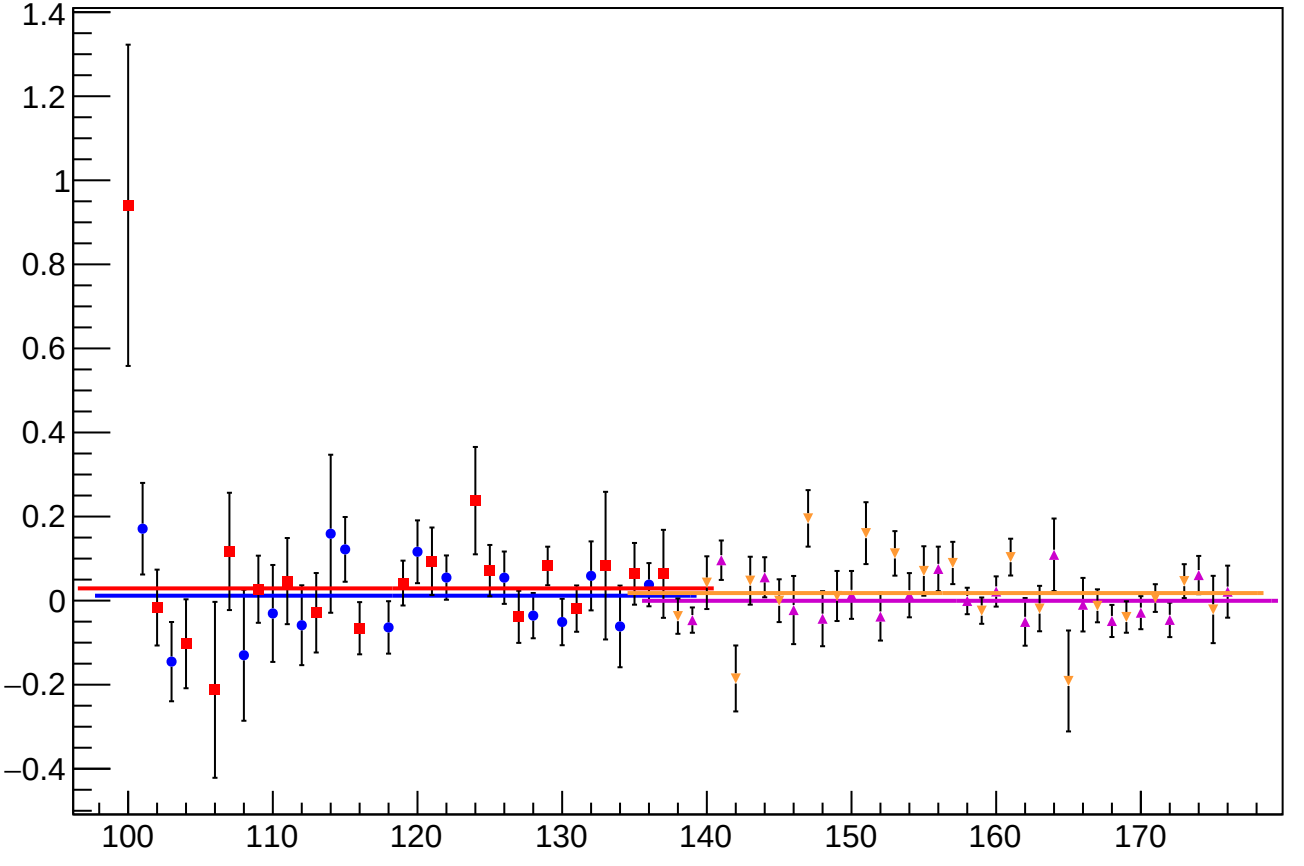
Left In: 0.000+/-0.000 χ^2/NDF:1340220.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 8204393.4/35

All: 0.000+/-0.000 χ^2/NDF: 15208702.0/73

- sign 0.000+/-0.000 χ^2/NDF: 5708158.8/37

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: 0.018+/-0.011 χ^2/NDF:38.6/19

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

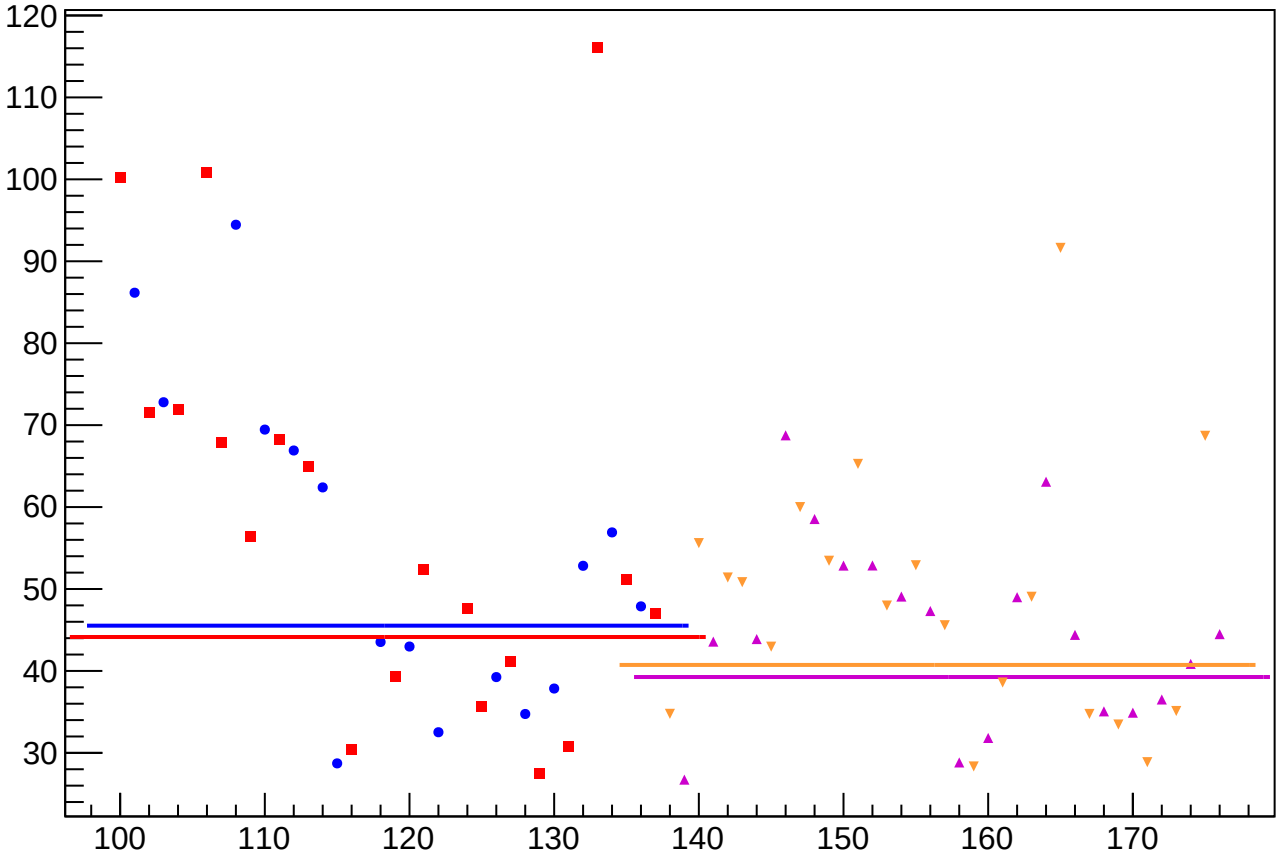
Left In: -0.000+/-0.011 χ^2/NDF:19.1/18

+ sign 0.016+/-0.009 χ^2/NDF: 55.5/35

All: 0.012+/-0.007 χ^2/NDF: 96.6/73

- sign 0.007+/-0.009 χ^2/NDF: 40.6/37

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: 40.733+/-0.008 χ^2/NDF:2264354.6/19

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

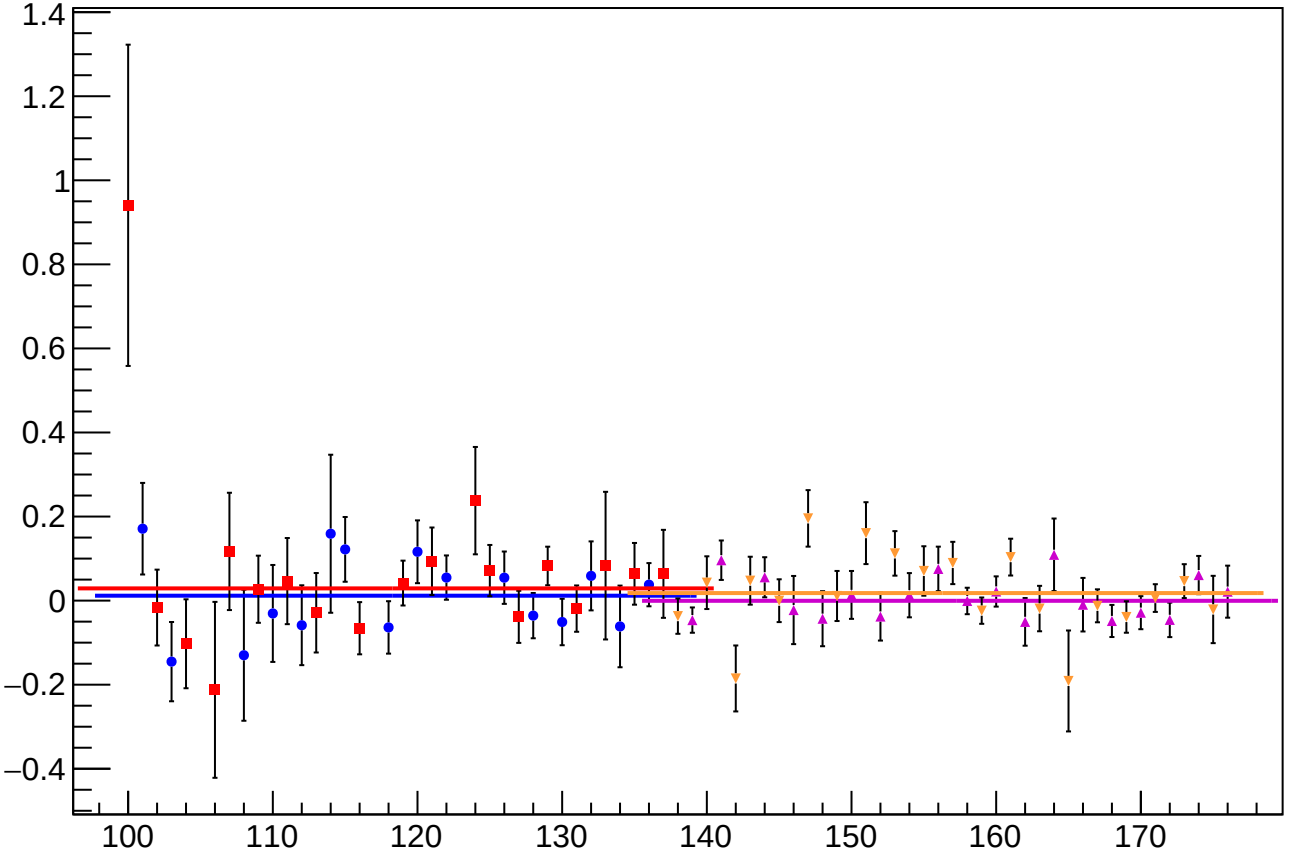
Left In: 39.258+/-0.008 χ^2/NDF:1767005.0/18

\+ sign 41.986+/-0.007 χ^2/NDF: 3619400.4/35

All: 41.241+/-0.005 χ^2/NDF: 7264709.9/73

\- sign 40.532+/-0.006 χ^2/NDF: 3620630.4/37

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:38.6/19

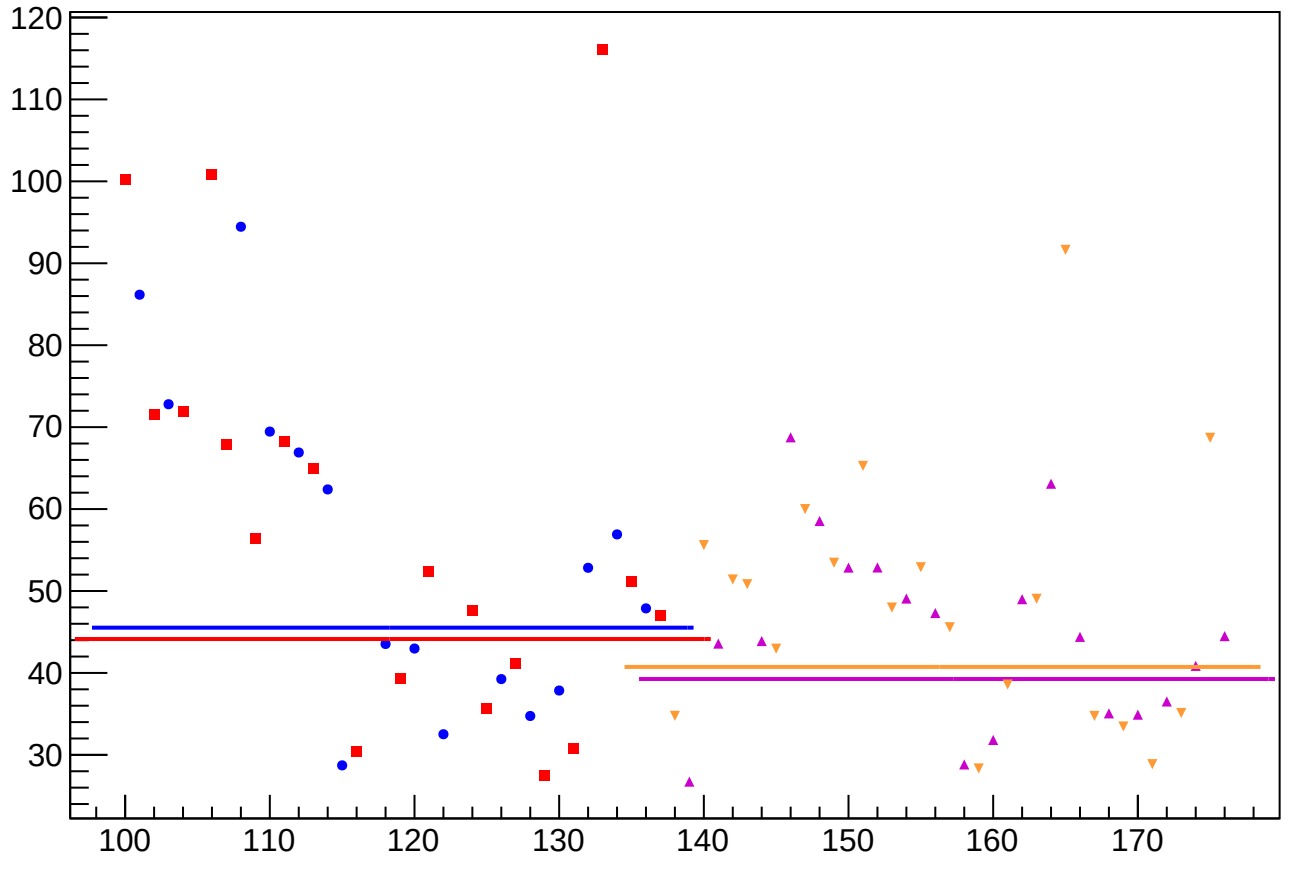
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.000+/-0.011 χ^2/NDF:19.1/18

+ sign 0.016+/-0.009 χ^2/NDF: 55.5/35

All: 0.012+/-0.007 χ^2/NDF: 96.6/73

- sign 0.007+/-0.009 χ^2/NDF: 40.6/37



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.733+/-0.008 χ^2/NDF:2264354.6/19

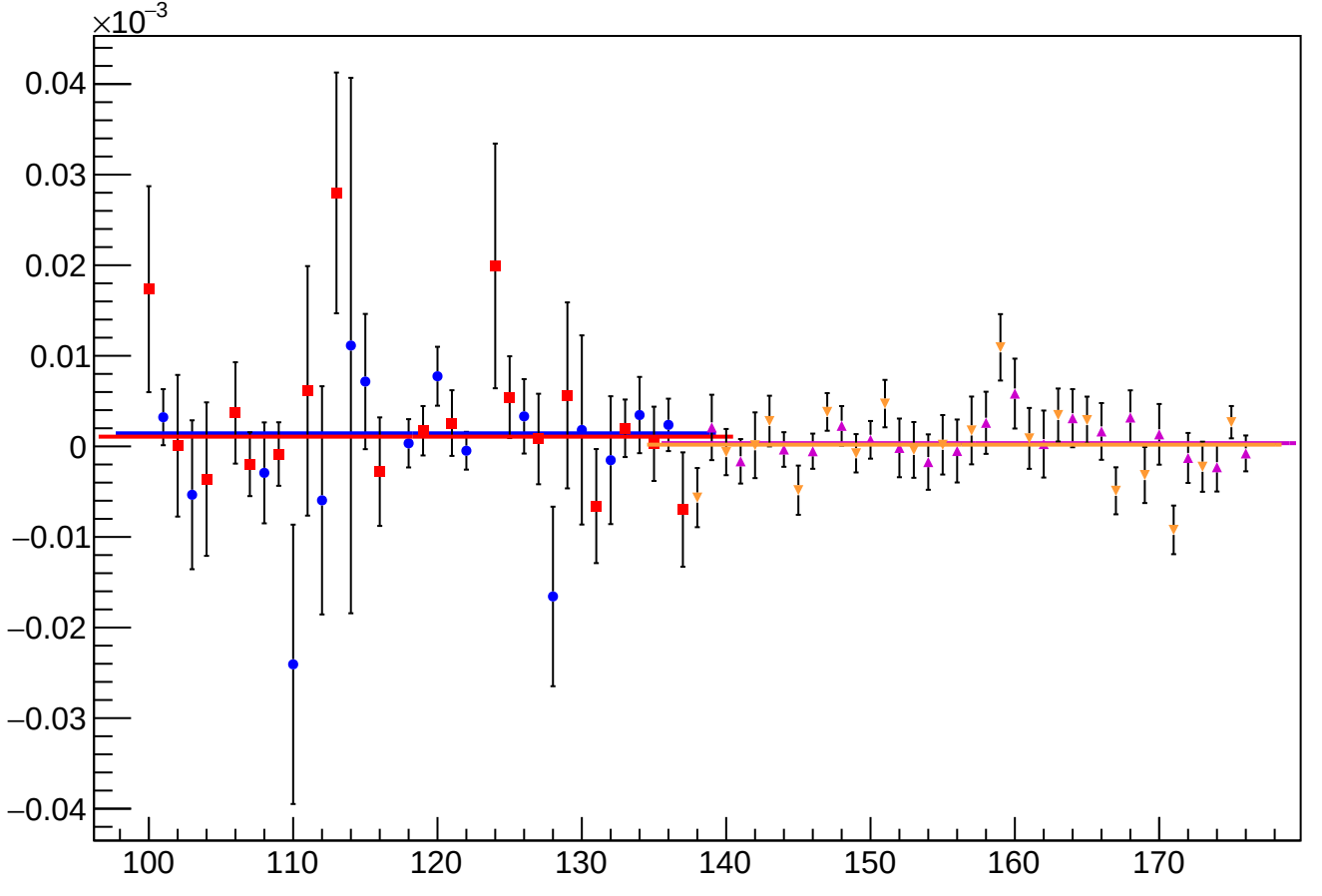
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.258+/-0.008 χ^2/NDF:1767005.0/18

+ sign 41.986+/-0.007 χ^2/NDF: 3619400.4/35

All: 41.241+/-0.005 χ^2/NDF: 7264709.9/73

- sign 40.532+/-0.006 χ^2/NDF: 3620630.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.1/19

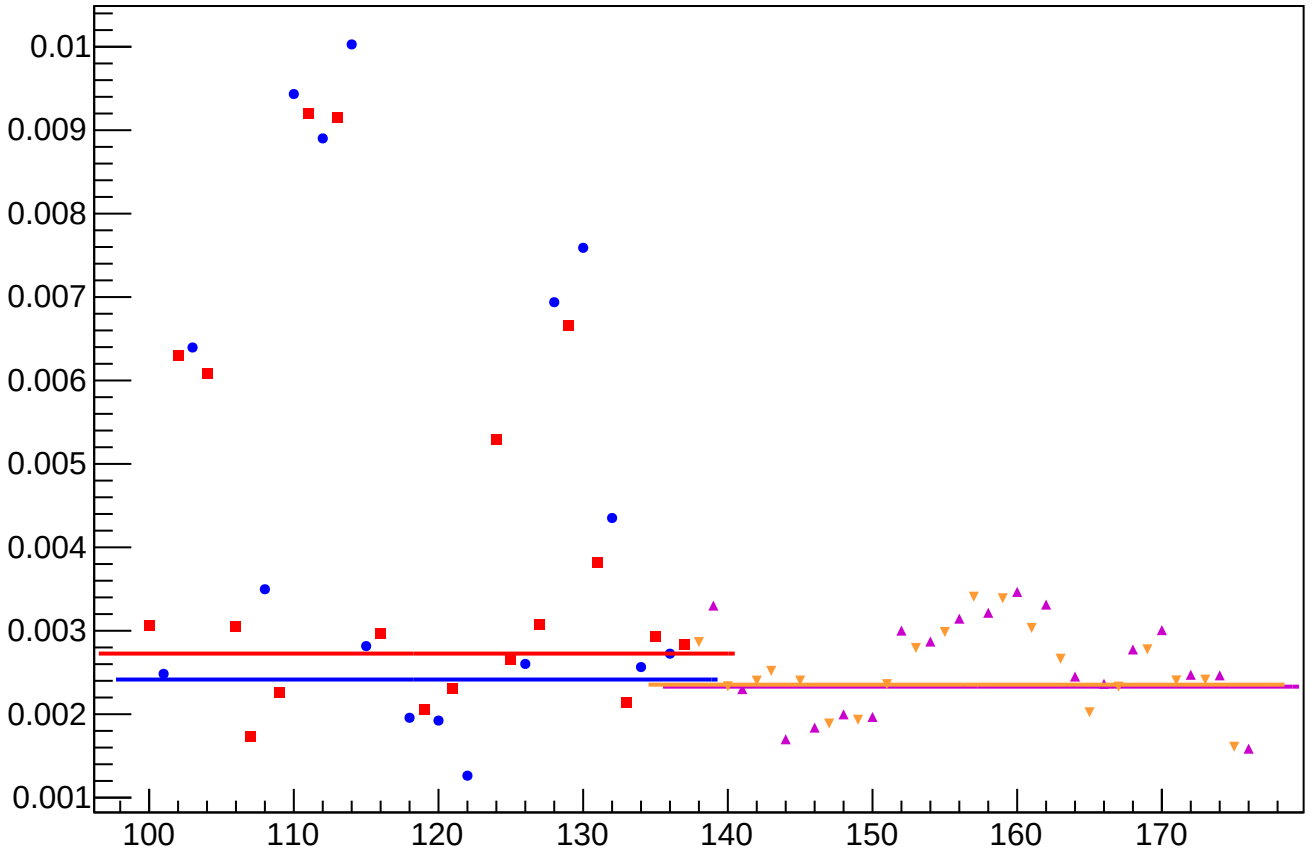
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 60.3/35

All: 0.000+/-0.000 χ^2/NDF: 84.0/73

- sign 0.000+/-0.000 χ^2/NDF: 23.7/37



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1195394.3/19

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

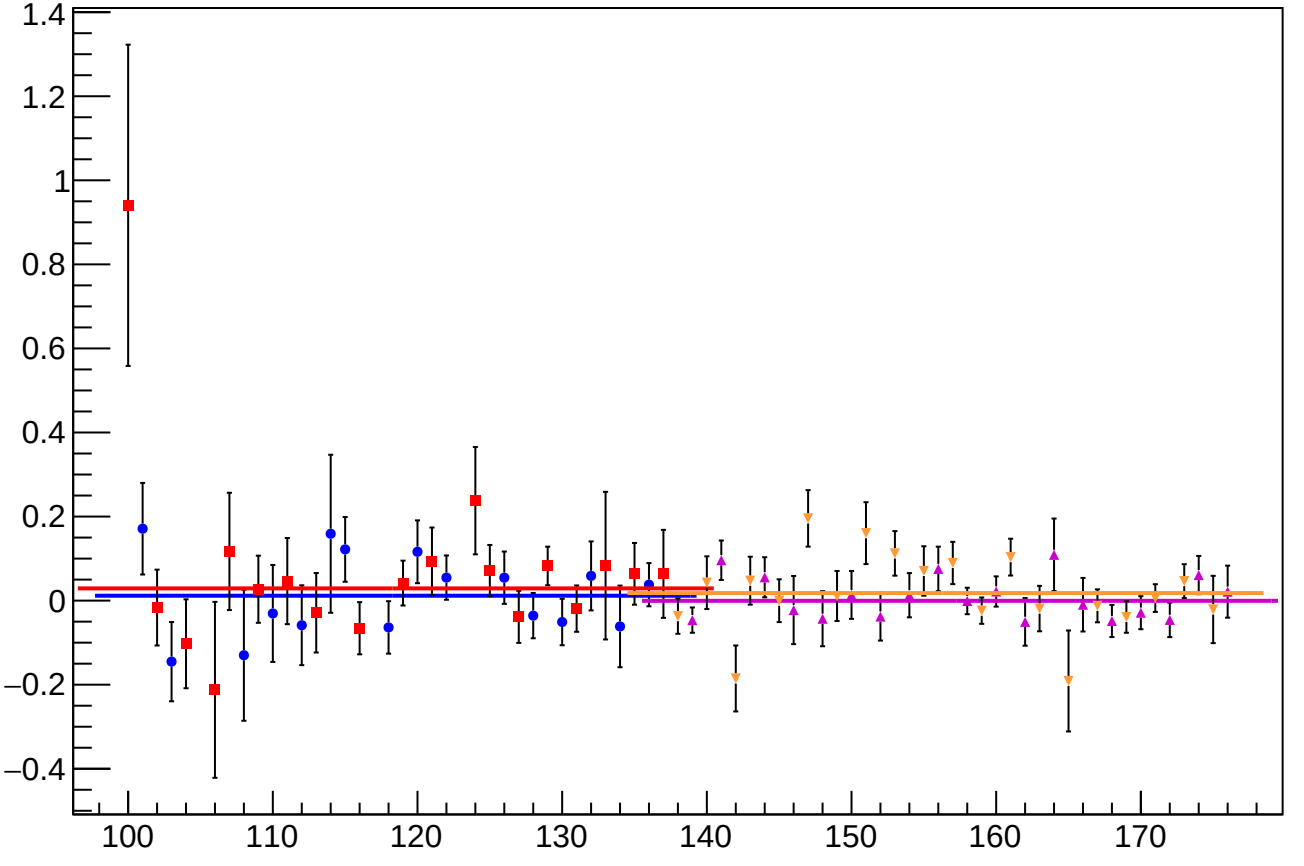
Left In: 0.002+/-0.000 χ^2/NDF:1726609.7/18

+ sign 0.002+/-0.000 χ^2/NDF: 4632692.4/35

All: 0.002+/-0.000 χ^2/NDF: 9066134.7/73

- sign 0.002+/-0.000 χ^2/NDF: 4423968.0/37

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:38.6/19

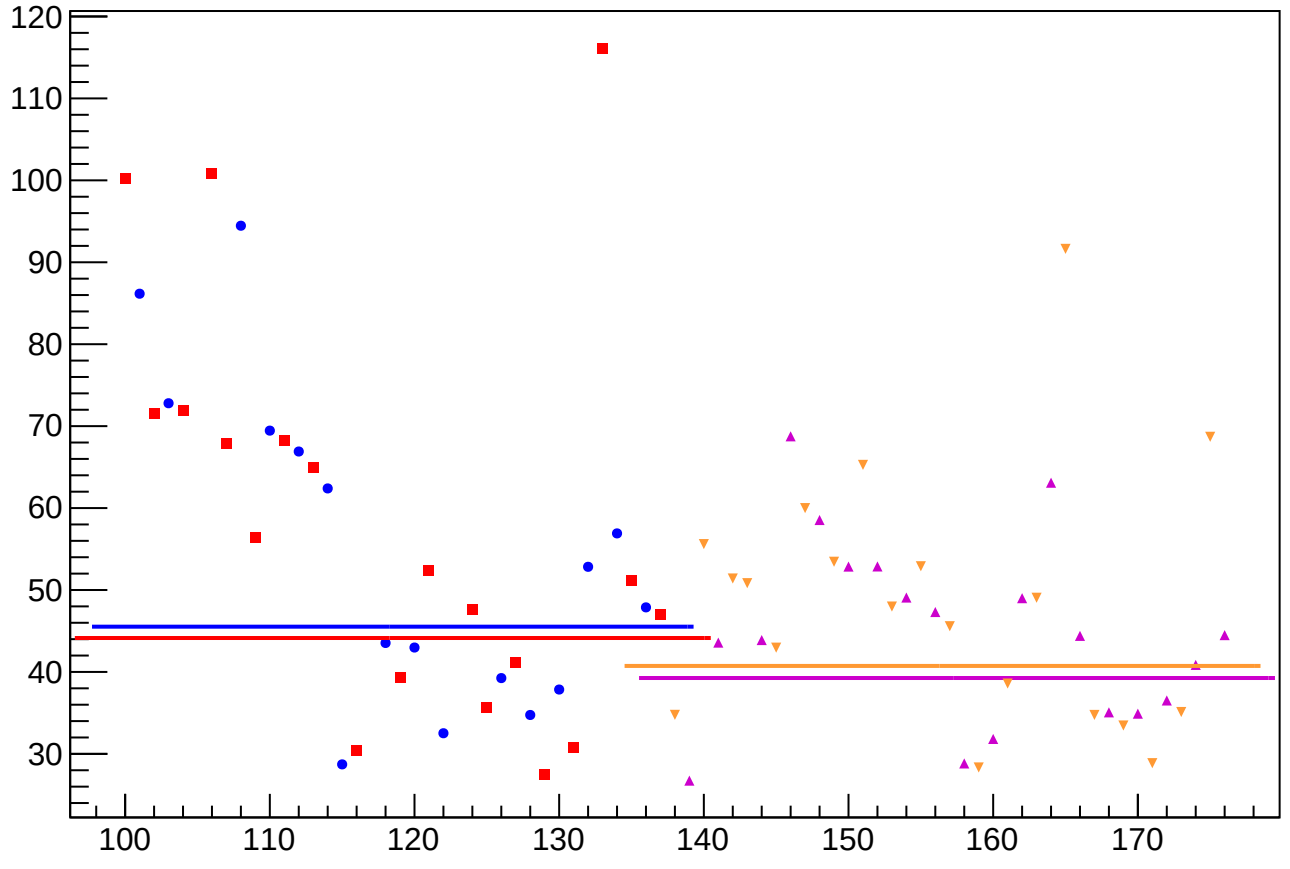
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.000+/-0.011 χ^2/NDF:19.1/18

+ sign 0.016+/-0.009 χ^2/NDF: 55.5/35

All: 0.012+/-0.007 χ^2/NDF: 96.7/73

- sign 0.007+/-0.009 χ^2/NDF: 40.6/37



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.733+/-0.008 χ^2/NDF:2264382.7/19

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

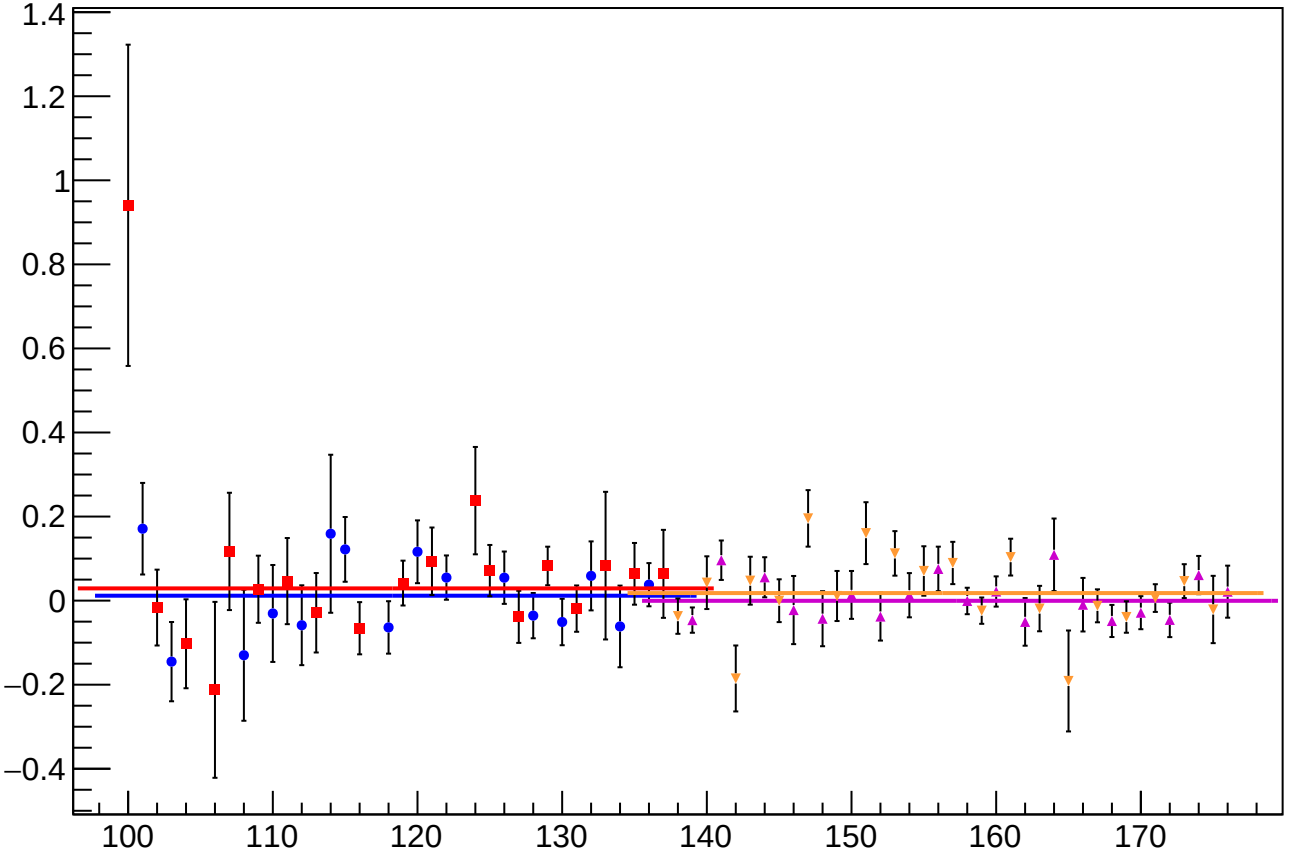
Left In: 39.259+/-0.008 χ^2/NDF:1767045.4/18

+ sign 41.986+/-0.007 χ^2/NDF: 3619372.1/35

All: 41.241+/-0.005 χ^2/NDF: 7264637.3/73

- sign 40.533+/-0.006 χ^2/NDF: 3620591.1/37

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: 0.018+/-0.011 χ^2/NDF:38.6/19

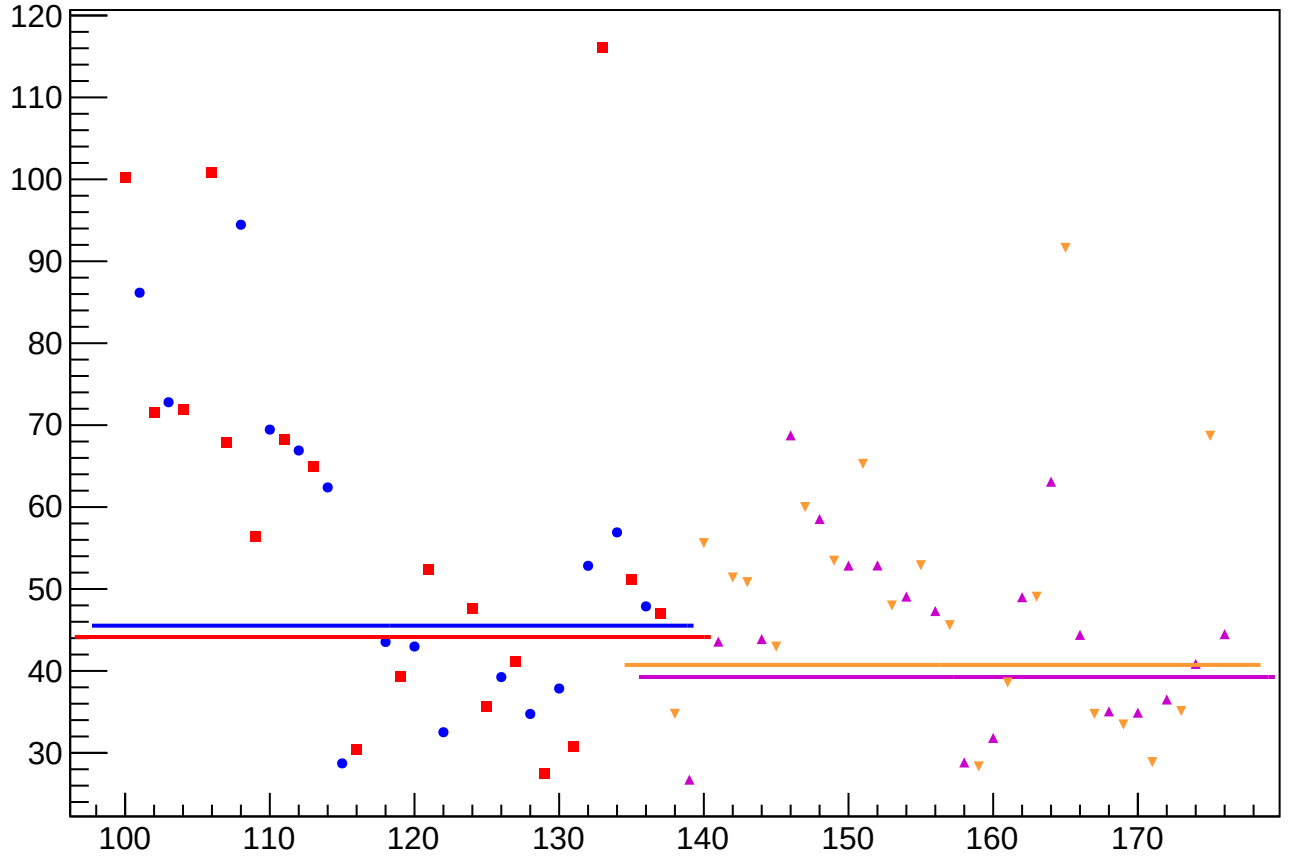
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.000+/-0.011 χ^2/NDF:19.1/18

+ sign 0.016+/-0.009 χ^2/NDF: 55.5/35

All: 0.012+/-0.007 χ^2/NDF: 96.7/73

- sign 0.007+/-0.009 χ^2/NDF: 40.6/37



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.733+/-0.008 χ^2/NDF:2264382.7/19

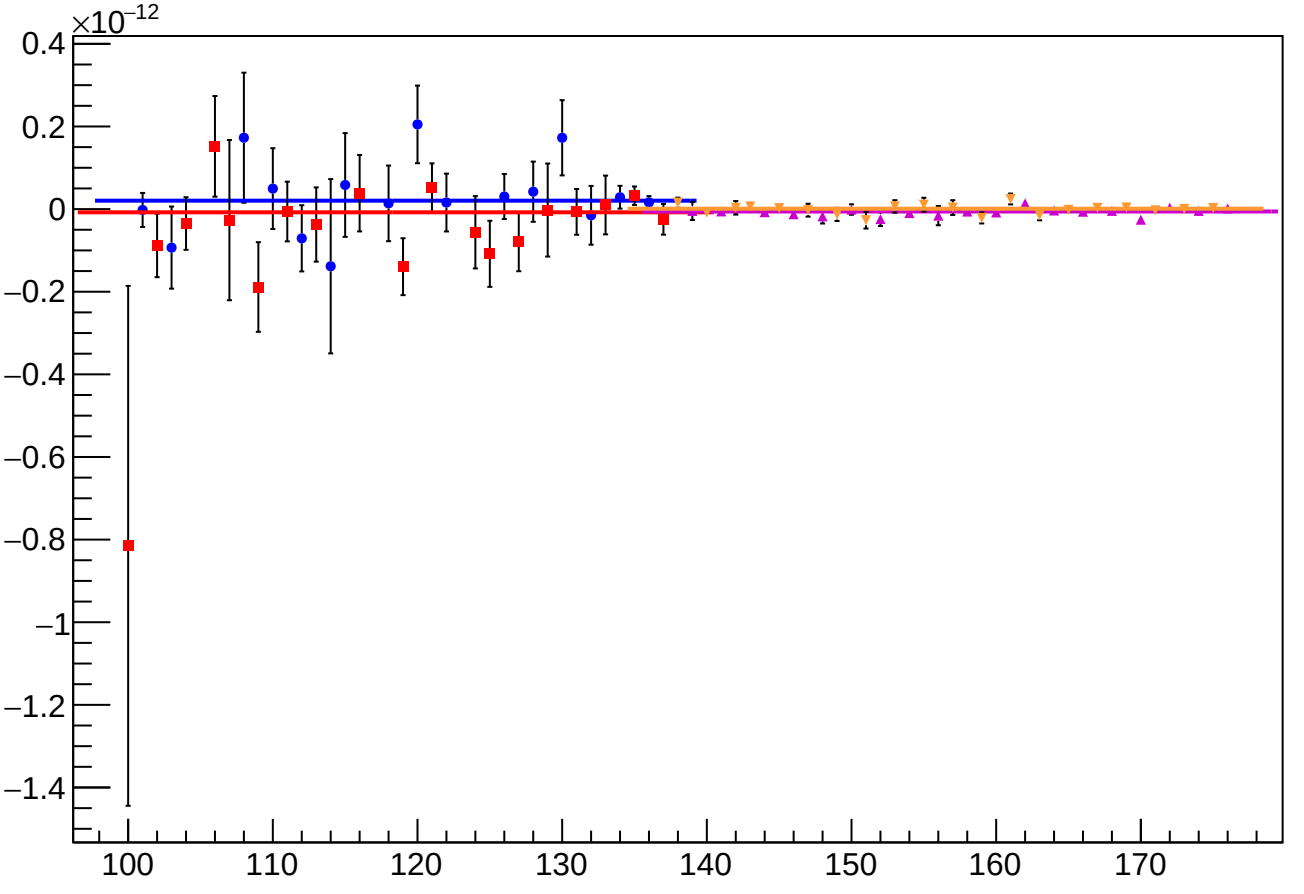
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

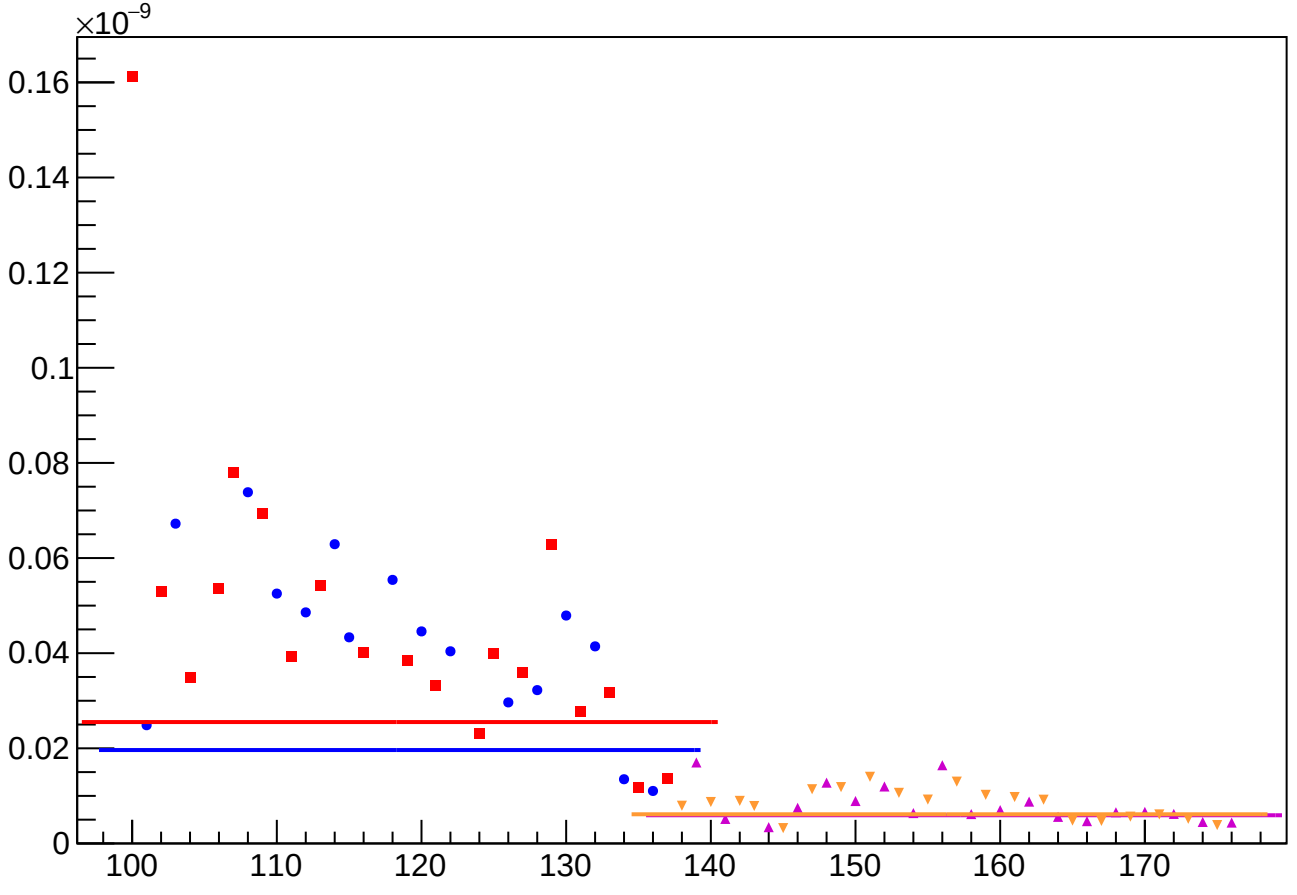
Left In: 39.259+/-0.008 χ^2/NDF:1767045.4/18

+ sign 41.986+/-0.007 χ^2/NDF: 3619372.1/35

All: 41.241+/-0.005 χ^2/NDF: 7264637.3/73

- sign 40.533+/-0.006 χ^2/NDF: 3620591.1/37


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:13.8/19
Right Out: -0.000+/-0.000 χ²/NDF: 18.8/18
Left In: -0.000+/-0.000 χ²/NDF:12.4/18
+ sign 0.000+/-0.000 χ²/NDF: 28.5/35
All: -0.000+/-0.000 χ²/NDF: 66.0/73
- sign -0.000+/-0.000 χ²/NDF: 31.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3085148.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

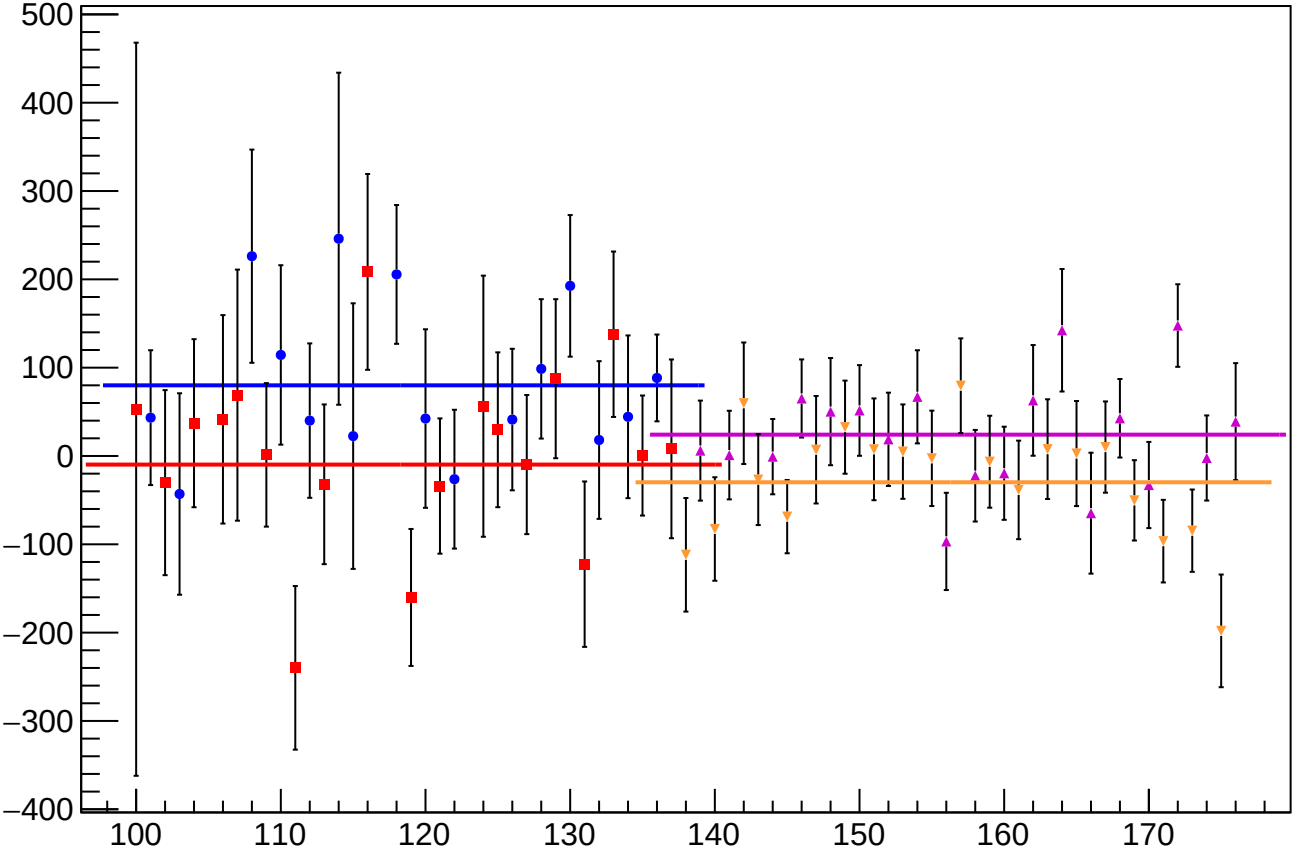
Left In: 0.000+/-0.000 χ^2/NDF:2440310.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 9137785.2/35

All: 0.000+/-0.000 χ^2/NDF: 18286151.0/73

- sign 0.000+/-0.000 χ^2/NDF: 9136914.9/37

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -29.758+/-11.967 χ^2/NDF:24.2/19

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

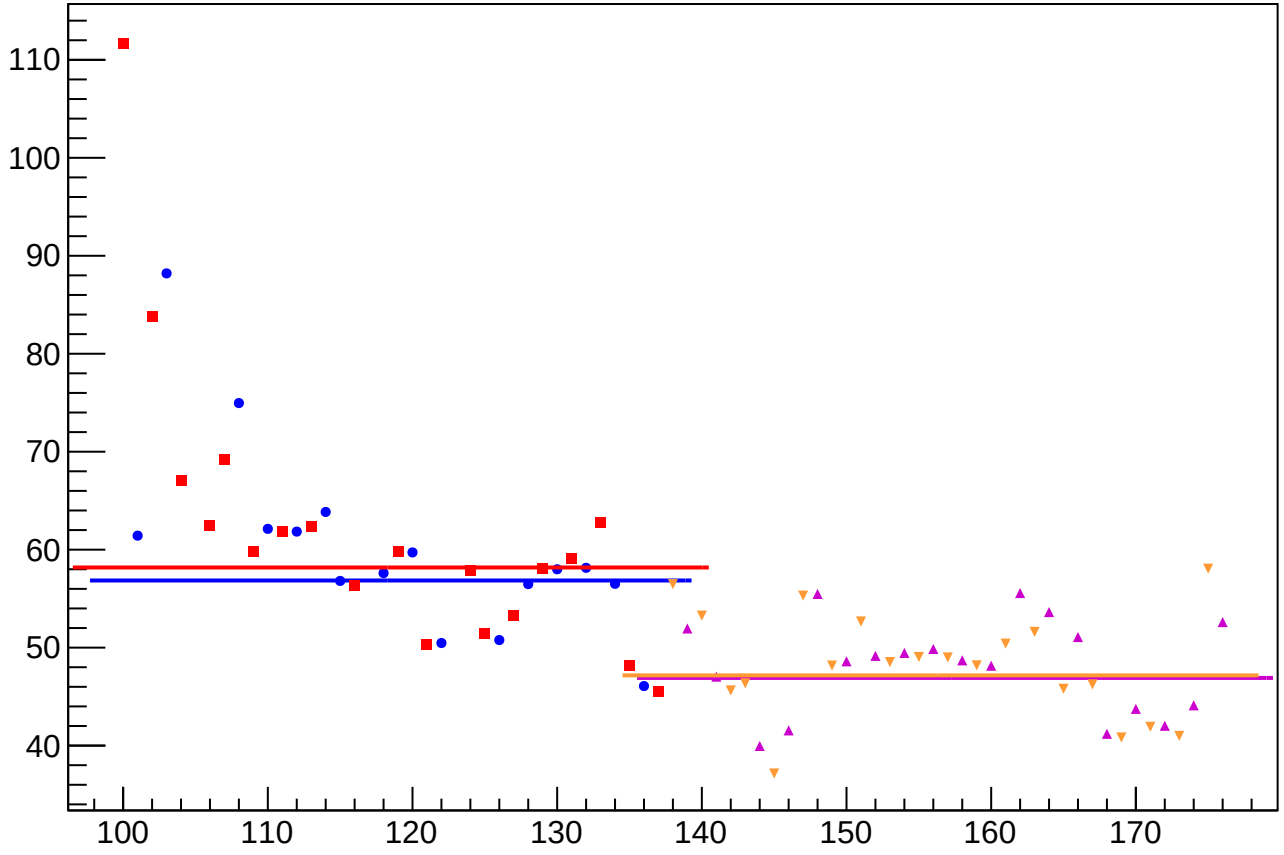
Left In: 24.145+/-12.022 χ^2/NDF:22.8/18

+ sign -3.752+/-10.453 χ^2/NDF: 55.7/35

All: 6.145+/-7.410 χ^2/NDF: 102.5/73

- sign 16.143+/-10.507 χ^2/NDF: 45.0/37

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.169+/-0.008 χ^2/NDF:421476.2/19

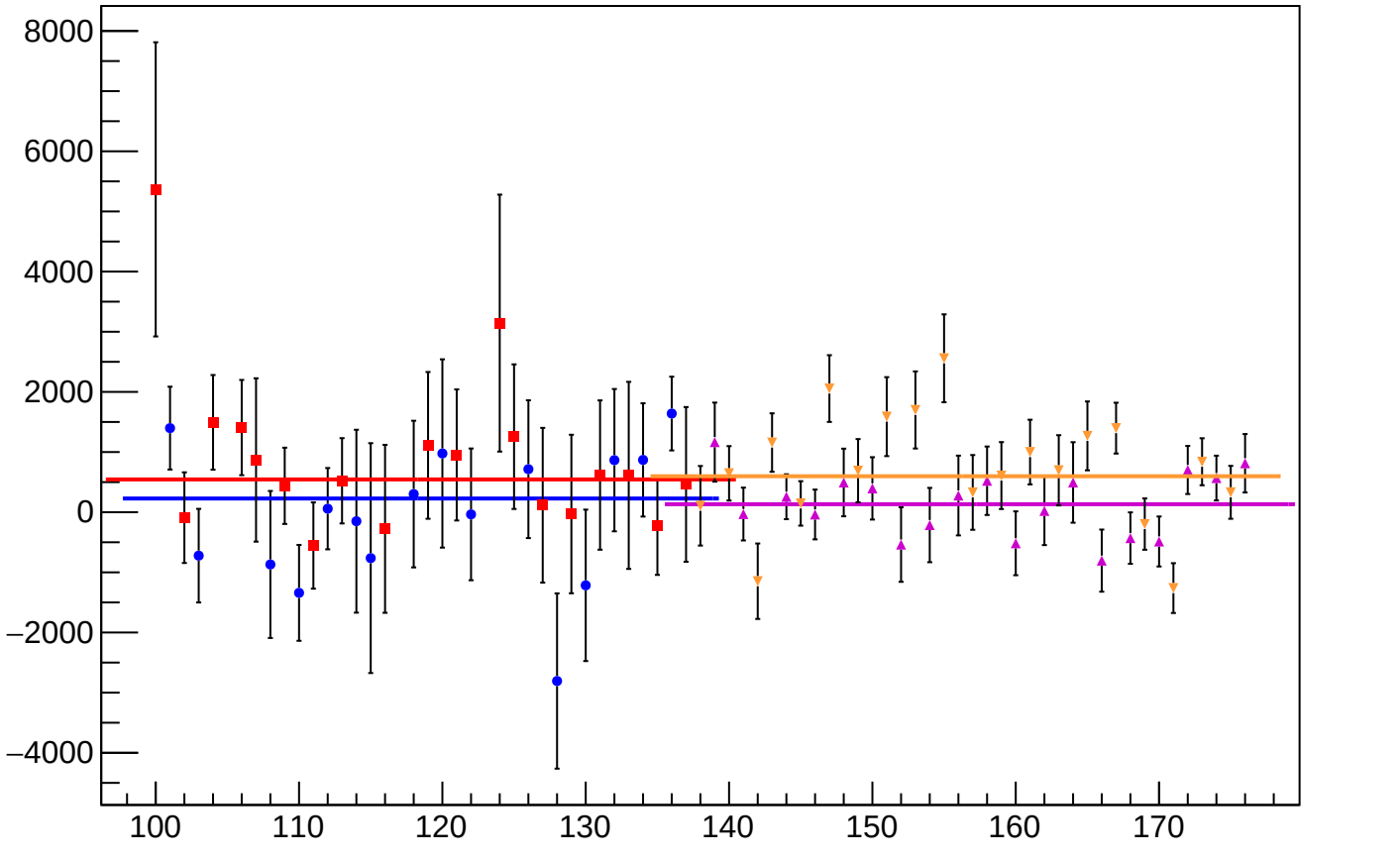
Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 46.908+/-0.009 χ^2/NDF:307128.0/18

+ sign 49.464+/-0.007 χ^2/NDF: 1073523.7/35

All: 49.517+/-0.005 χ^2/NDF: 2110829.0/73

- sign 49.571+/-0.007 χ^2/NDF: 1037200.0/37



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 597.806+/-112.730 χ^2/NDF:60.6/19

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

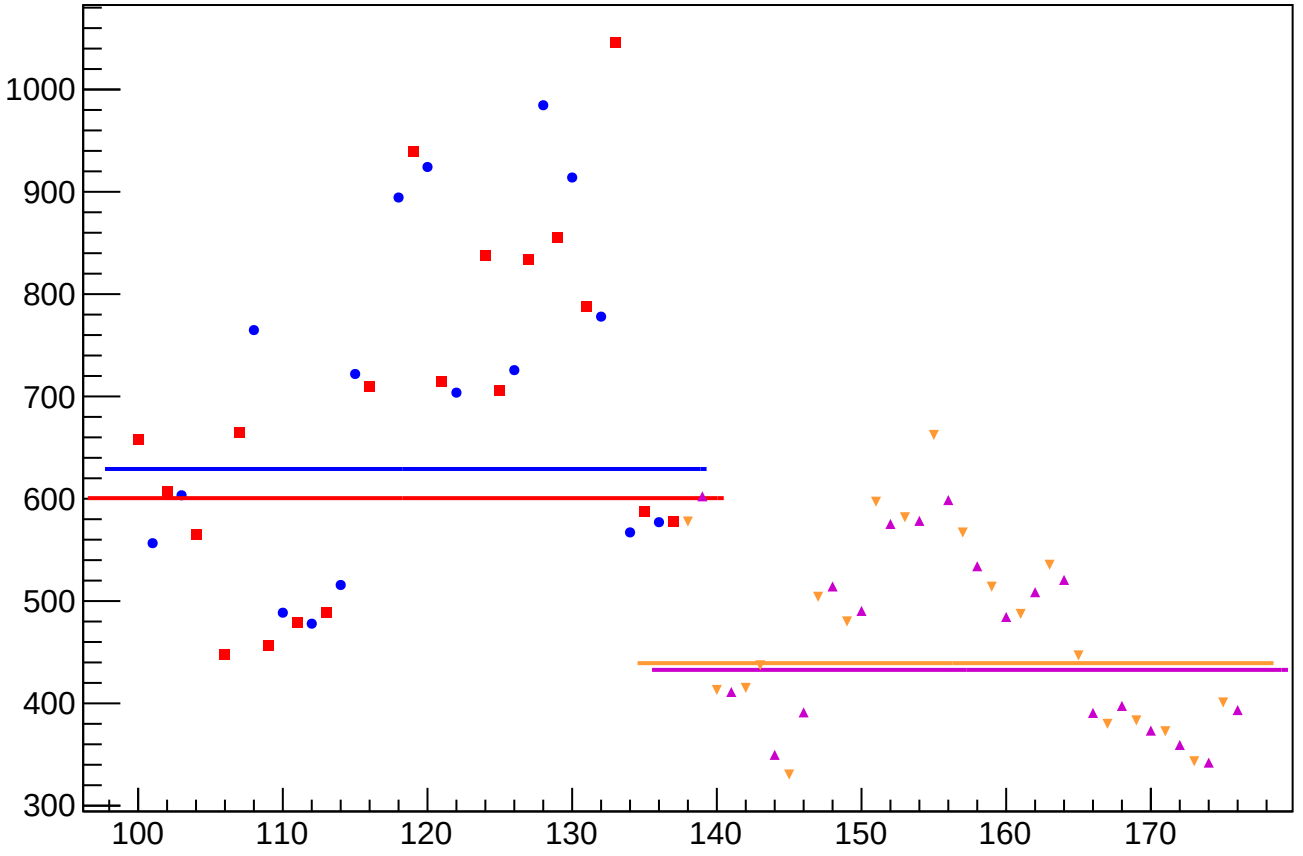
Left In: 132.852+/-112.077 χ^2/NDF:20.0/18

+ sign 531.431+/-102.129 χ^2/NDF: 84.2/35

All: 369.910+/-71.639 χ^2/NDF: 125.2/73

- sign 213.447+/-100.517 χ^2/NDF: 36.0/37

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 439.317+/-0.080 χ^2/NDF:1163485.9/19

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

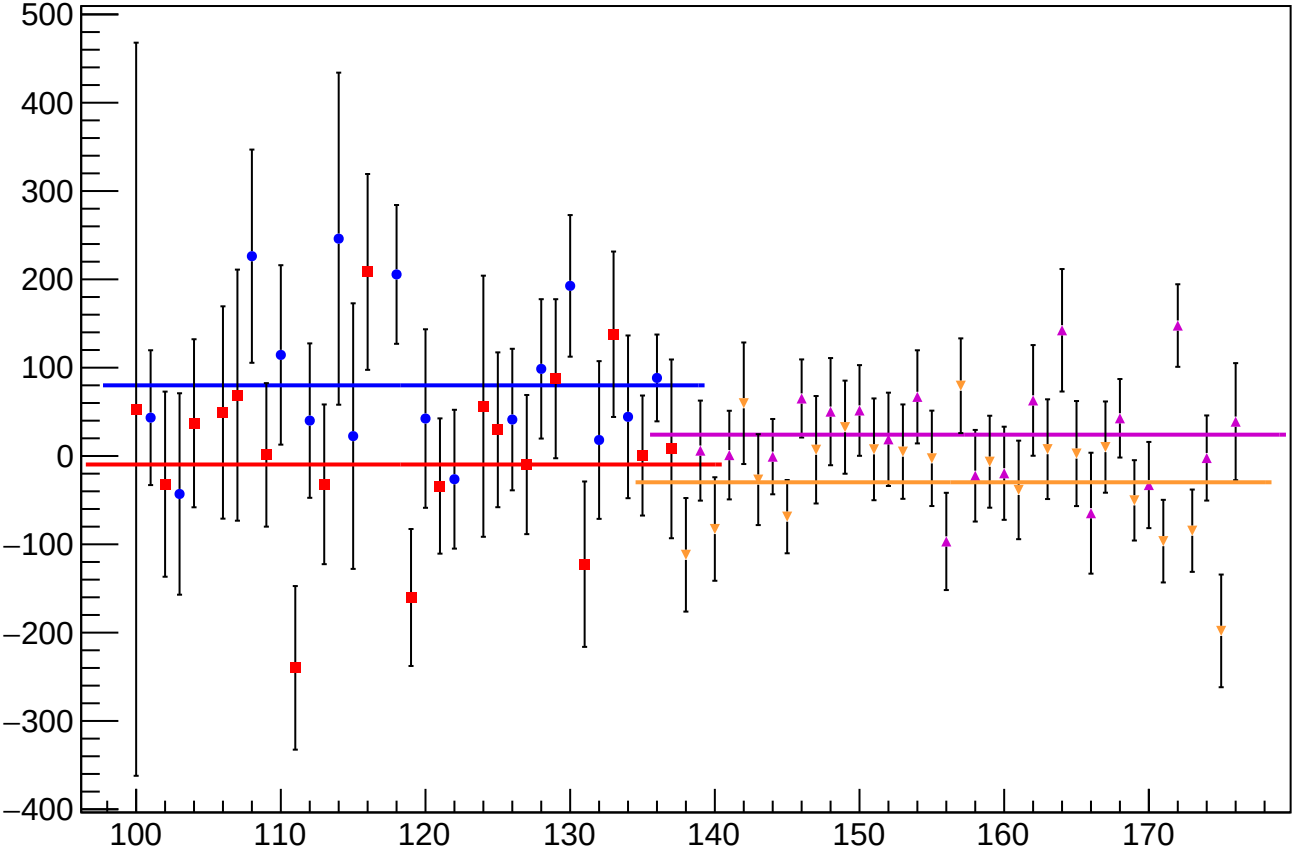
Left In: 432.732+/-0.079 χ^2/NDF:1086081.2/18

+ sign 473.334+/-0.072 χ^2/NDF: 2872212.8/35

All: 469.393+/-0.051 χ^2/NDF: 5716561.3/73

- sign 465.575+/-0.071 χ^2/NDF: 2838485.6/37

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -29.760+/-11.967 χ^2/NDF:24.2/19

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

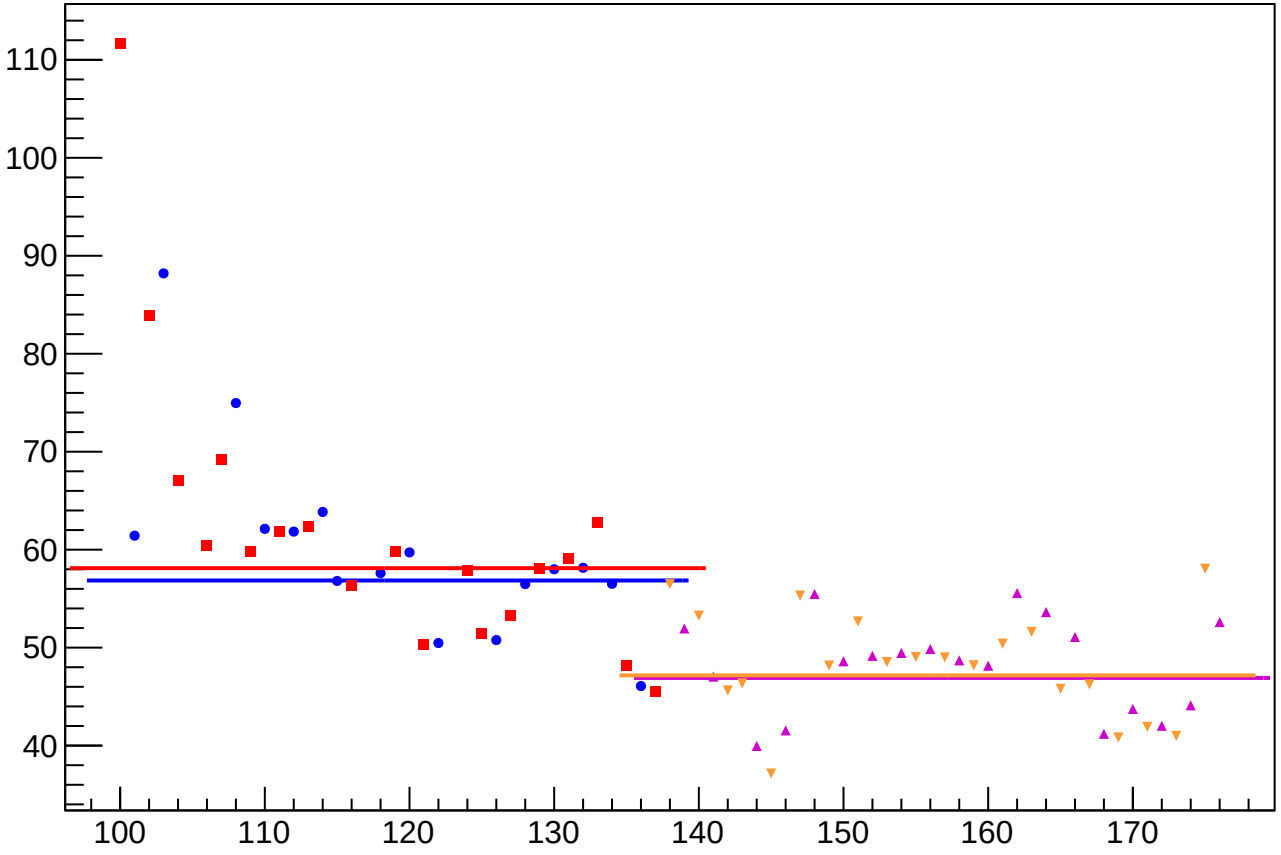
Left In: 24.146+/-12.022 χ^2/NDF:22.8/18

+ sign -3.752+/-10.453 χ^2/NDF: 55.7/35

All: 6.160+/-7.411 χ^2/NDF: 102.5/73

- sign 16.177+/-10.508 χ^2/NDF: 45.1/37

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.169+/-0.008 χ^2/NDF:421476.2/19

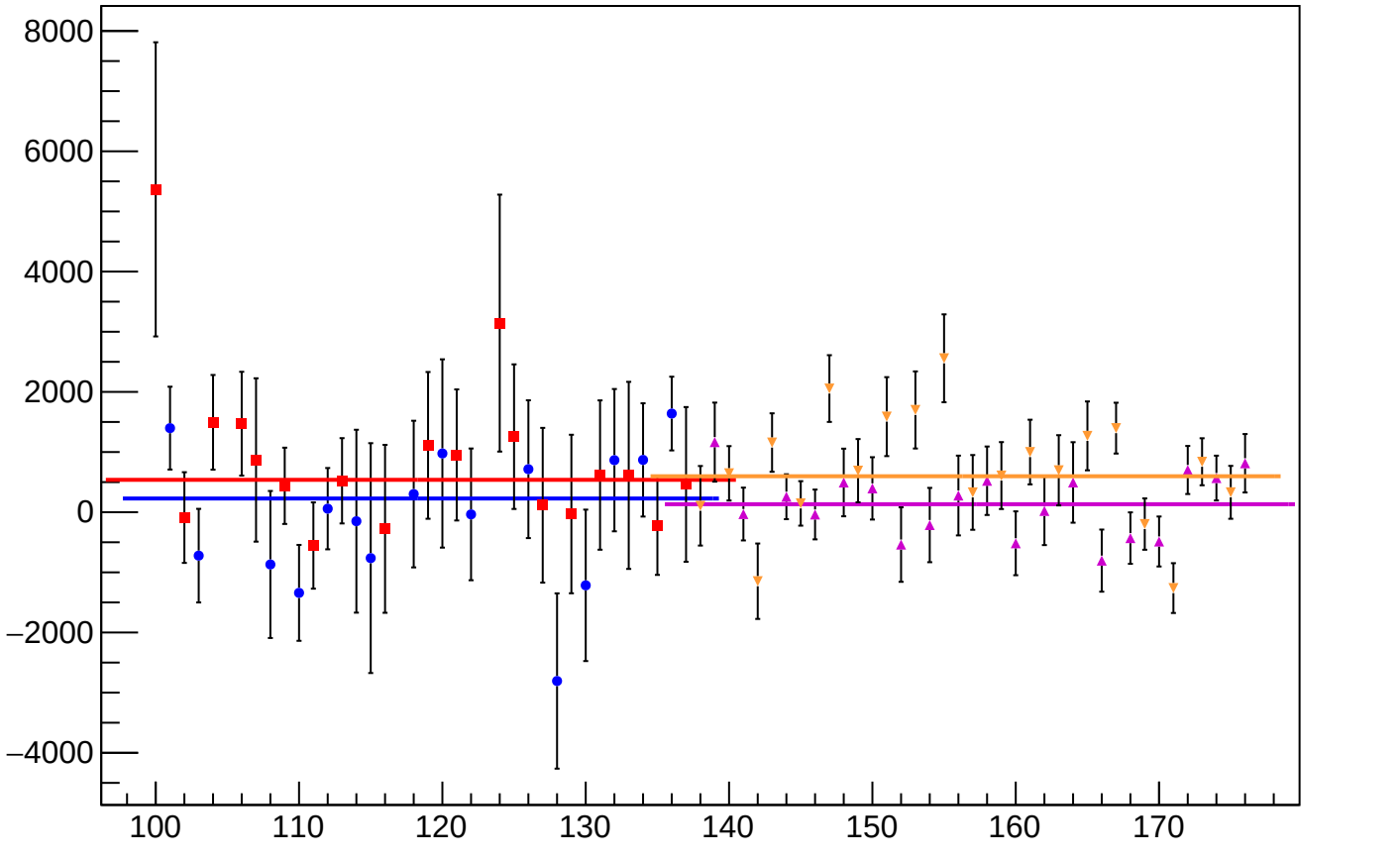
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.908+/-0.009 χ^2/NDF:307128.0/18

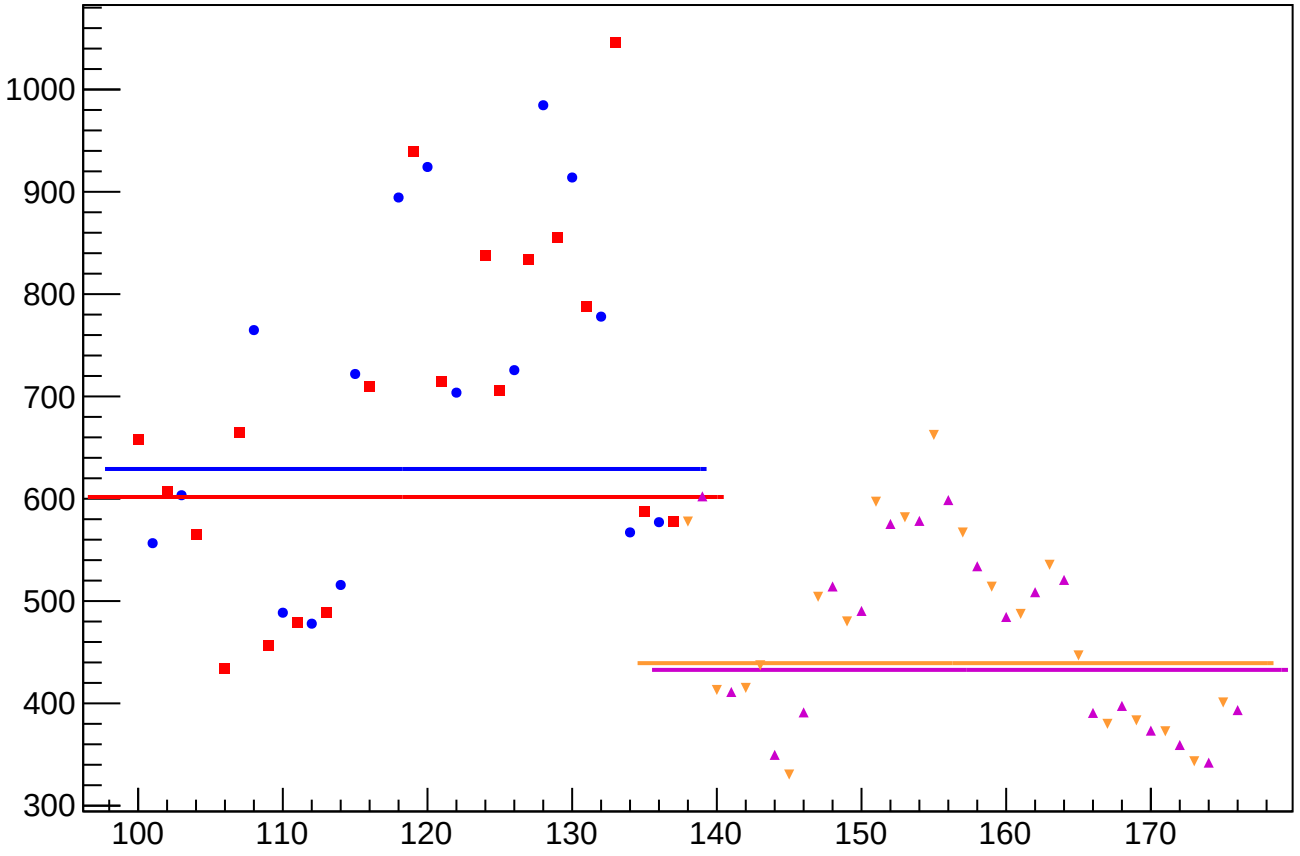
+ sign 49.464+/-0.007 χ^2/NDF: 1073527.7/35

All: 49.508+/-0.005 χ^2/NDF: 2103487.0/73

- sign 49.552+/-0.007 χ^2/NDF: 1029888.3/37


asym_sam_15_48_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 227.547+/-241.227 χ²/NDF: 21.6/15
Left Out: 597.804+/-112.730 χ²/NDF:60.6/19
Right Out: 538.117+/-228.754 χ²/NDF: 13.3/18
Left In: 132.855+/-112.077 χ²/NDF:20.0/18
+ sign 531.437+/-102.129 χ²/NDF: 84.2/35
All: 369.031+/-71.686 χ²/NDF: 125.1/73
- sign 211.305+/-100.646 χ²/NDF: 35.9/37

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 439.317+/-0.080 χ^2/NDF:1163486.3/19

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

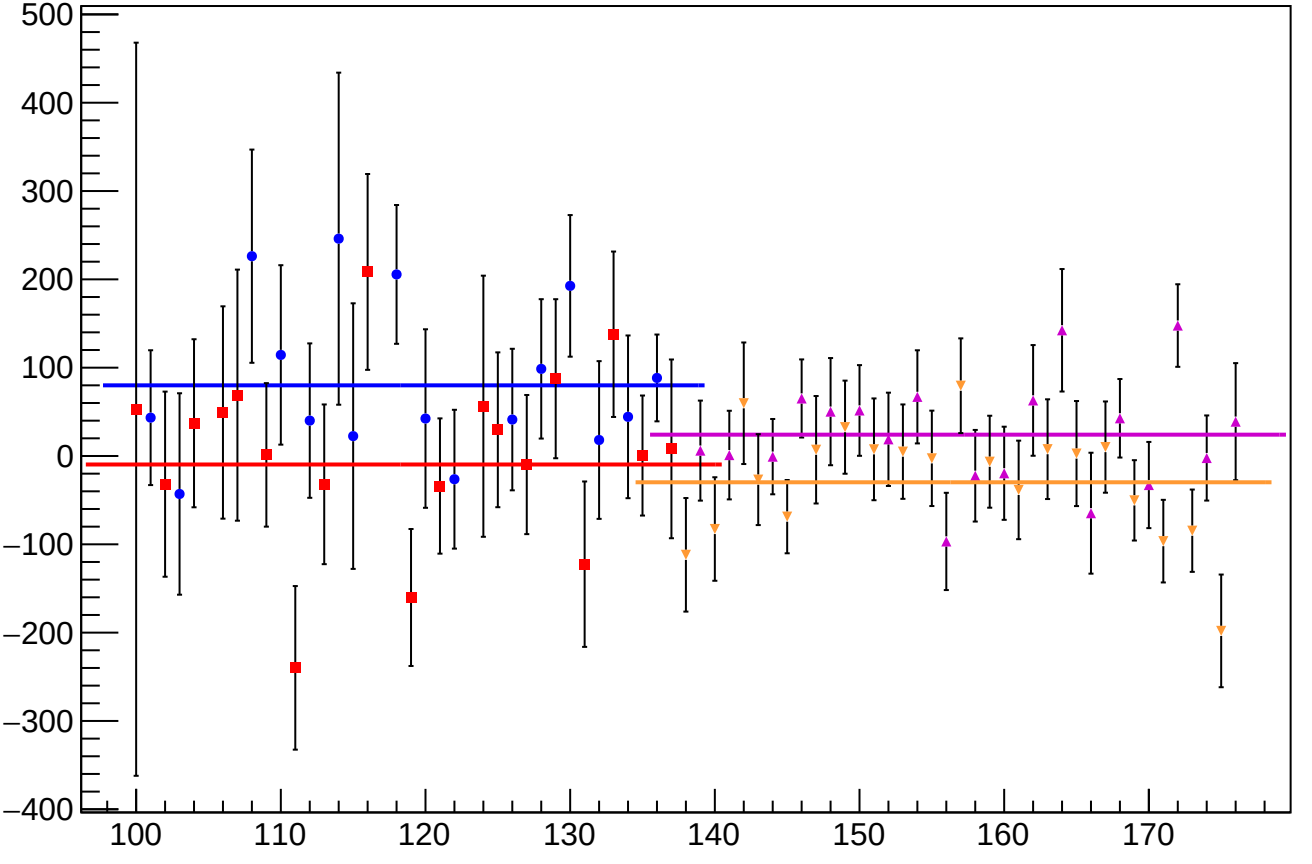
Left In: 432.732+/-0.079 χ^2/NDF:1086080.7/18

+ sign 473.334+/-0.072 χ^2/NDF: 2872245.1/35

All: 469.332+/-0.051 χ^2/NDF: 5718593.0/73

- sign 465.445+/-0.071 χ^2/NDF: 2840293.4/37

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -29.760+/-11.967 χ^2/NDF:24.2/19

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

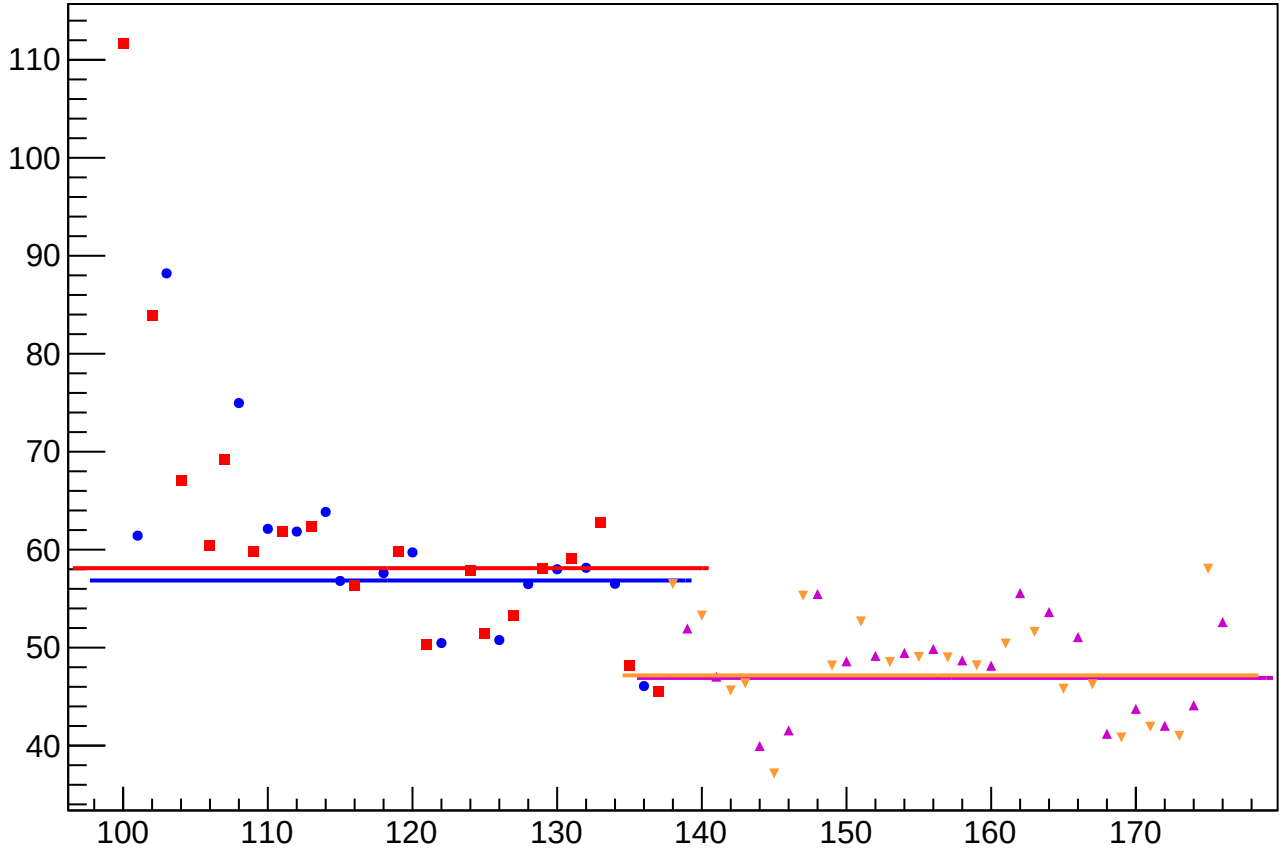
Left In: 24.146+/-12.022 χ^2/NDF:22.8/18

+ sign -3.752+/-10.453 χ^2/NDF: 55.7/35

All: 6.160+/-7.411 χ^2/NDF: 102.5/73

- sign 16.177+/-10.508 χ^2/NDF: 45.1/37

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.169+/-0.008 χ^2/NDF:421476.2/19

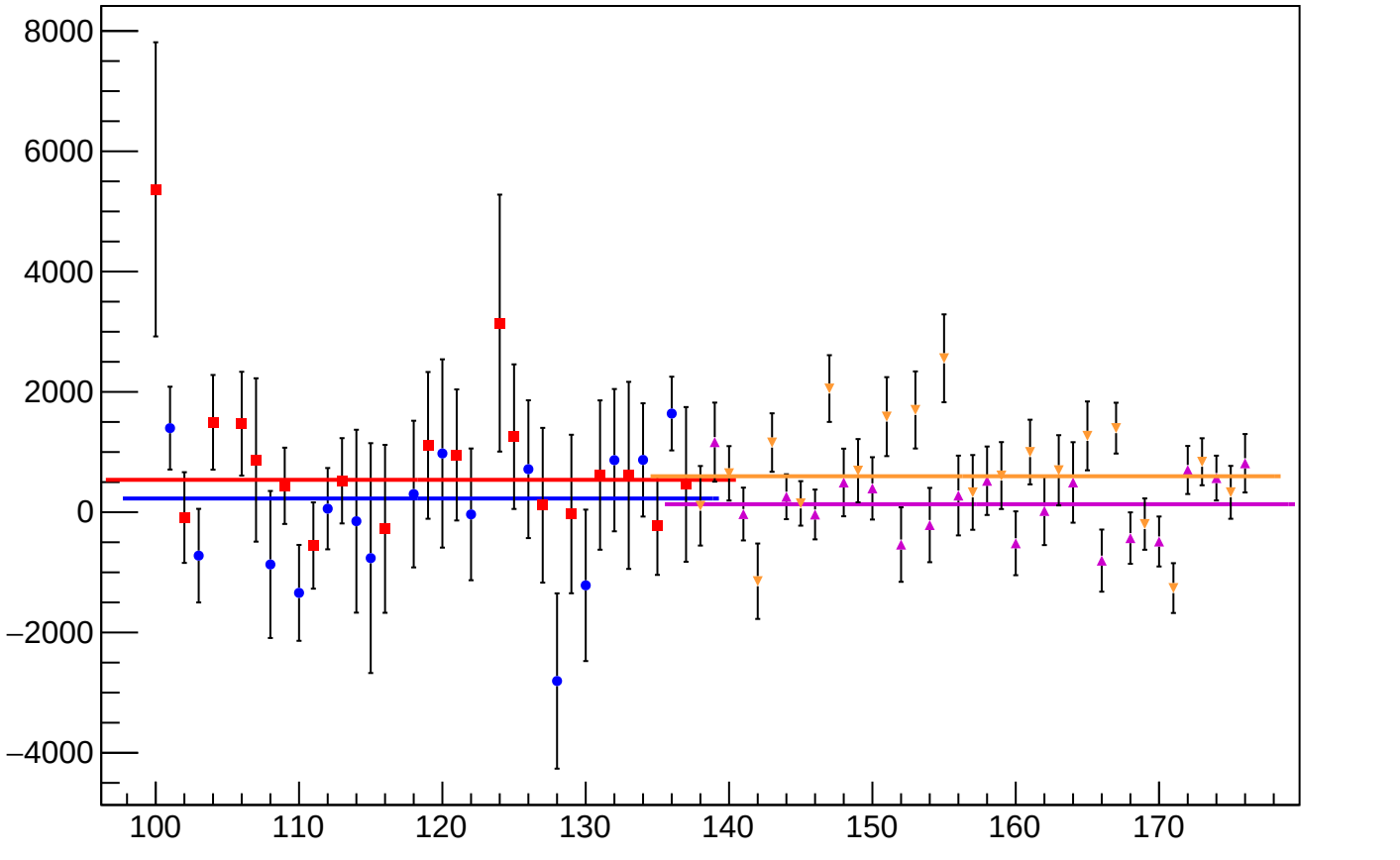
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.908+/-0.009 χ^2/NDF:307128.0/18

+ sign 49.464+/-0.007 χ^2/NDF: 1073527.7/35

All: 49.508+/-0.005 χ^2/NDF: 2103487.0/73

- sign 49.552+/-0.007 χ^2/NDF: 1029888.3/37



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 597.804+/-112.730 χ^2/NDF:60.6/19

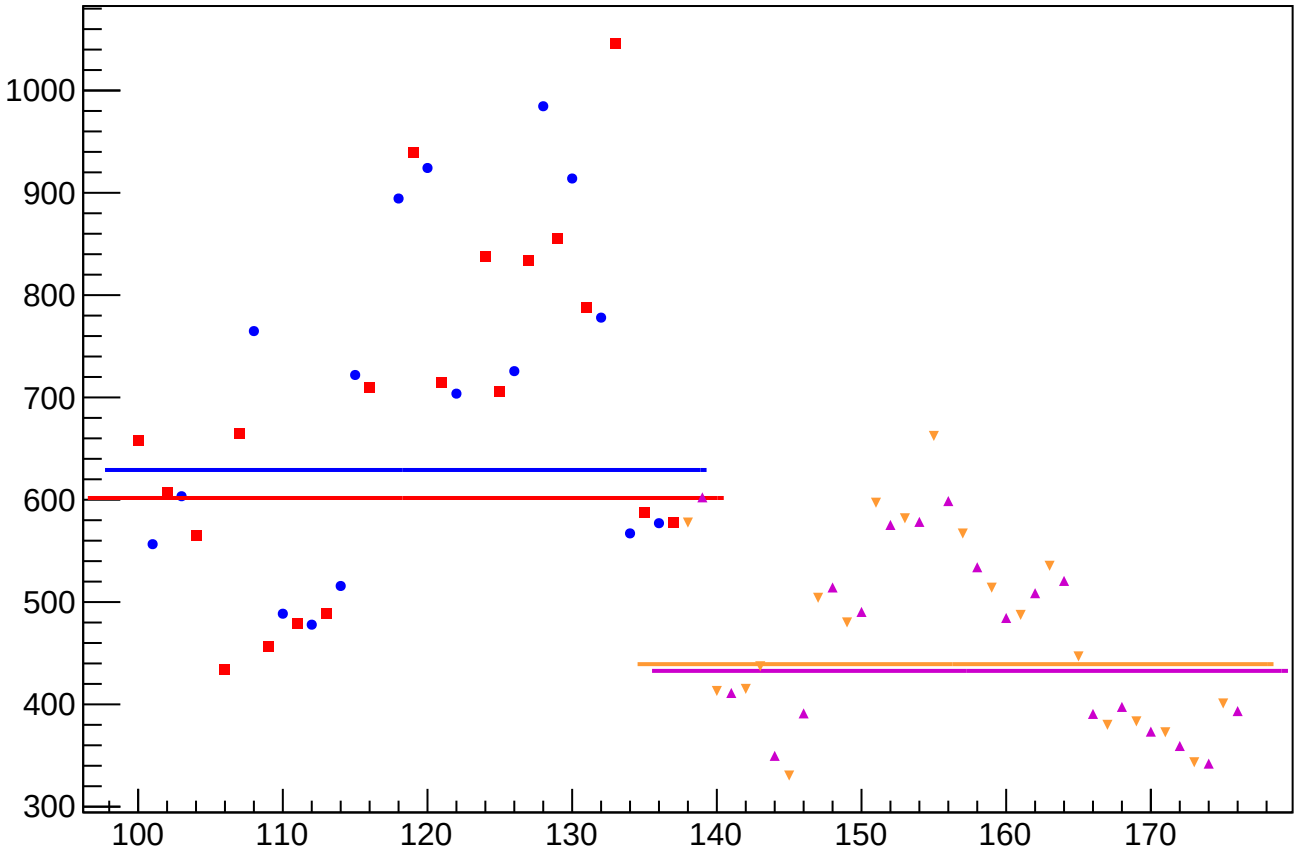
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 132.855+/-112.077 χ^2/NDF:20.0/18

\+ sign 531.437+/-102.129 χ^2/NDF: 84.2/35

All: 369.031+/-71.686 χ^2/NDF: 125.1/73

\- sign 211.305+/-100.646 χ^2/NDF: 35.9/37



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 439.317+/-0.080 χ^2/NDF:1163486.3/19

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

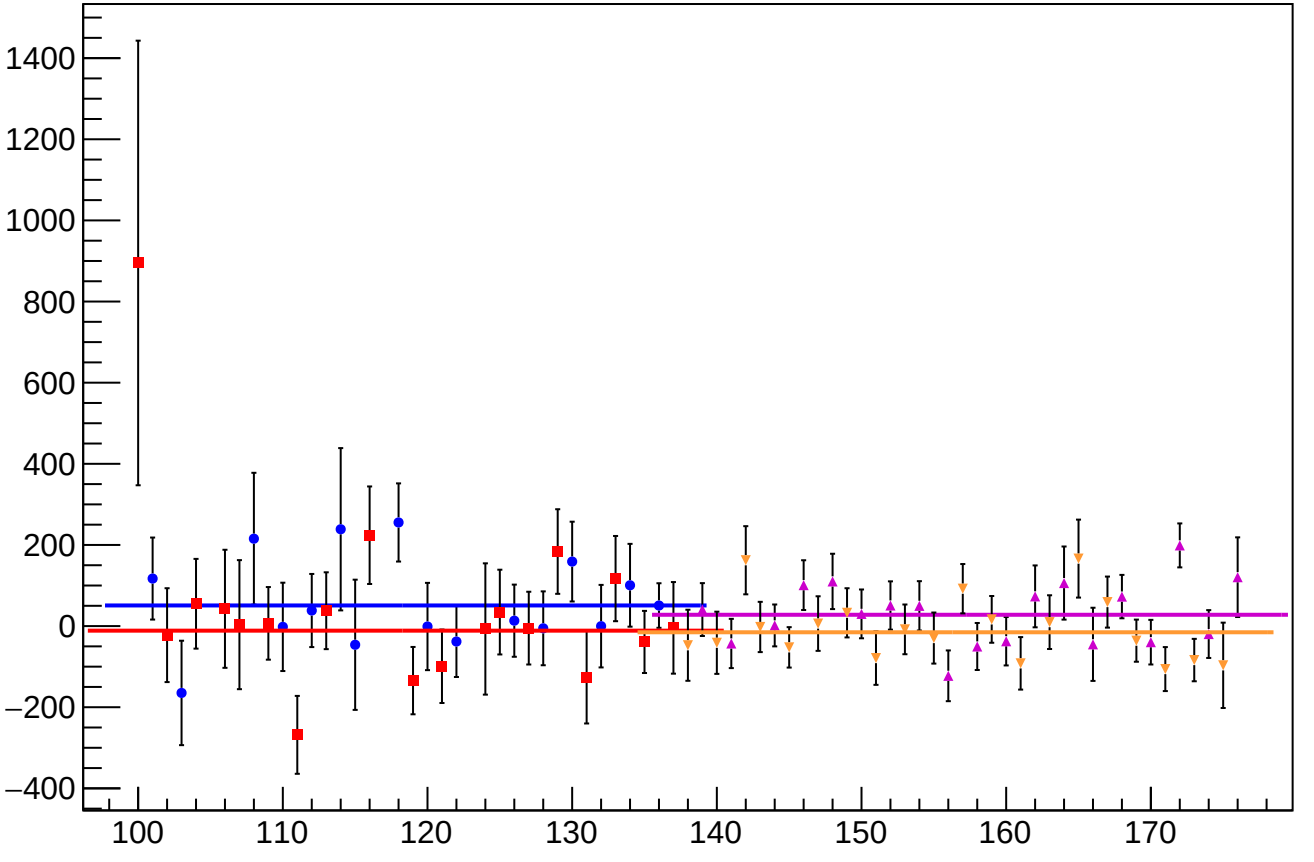
Left In: 432.732+/-0.079 χ^2/NDF:1086080.7/18

+ sign 473.334+/-0.072 χ^2/NDF: 2872245.1/35

All: 469.332+/-0.051 χ^2/NDF: 5718593.0/73

- sign 465.445+/-0.071 χ^2/NDF: 2840293.4/37

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -15.252+/-14.265 χ^2/NDF:22.3/19

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

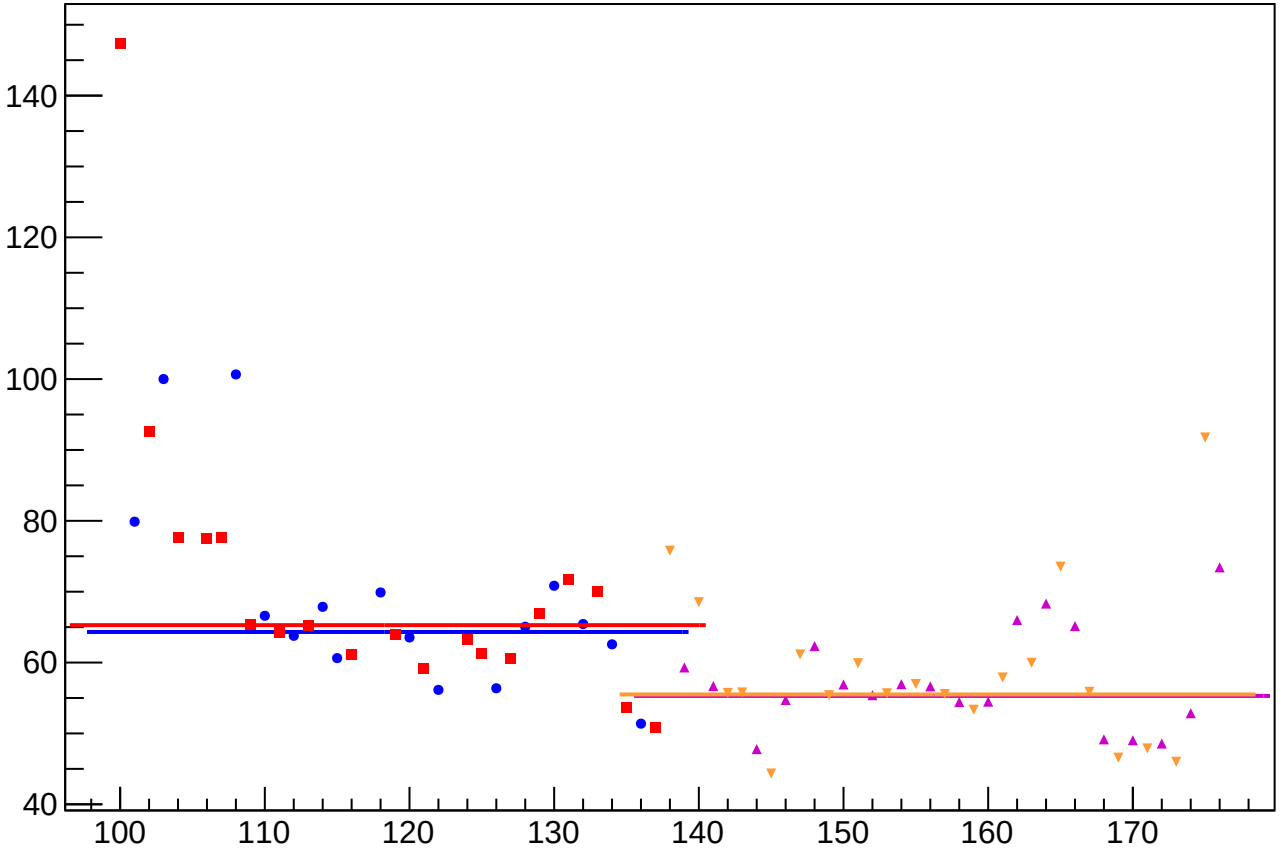
Left In: 27.883+/-14.348 χ^2/NDF:29.1/18

+ sign 1.493+/-12.326 χ^2/NDF: 41.5/35

All: 9.615+/-8.727 χ^2/NDF: 97.4/73

- sign 17.778+/-12.358 χ^2/NDF: 55.0/37

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 55.501+/-0.010 χ^2/NDF:776874.2/19

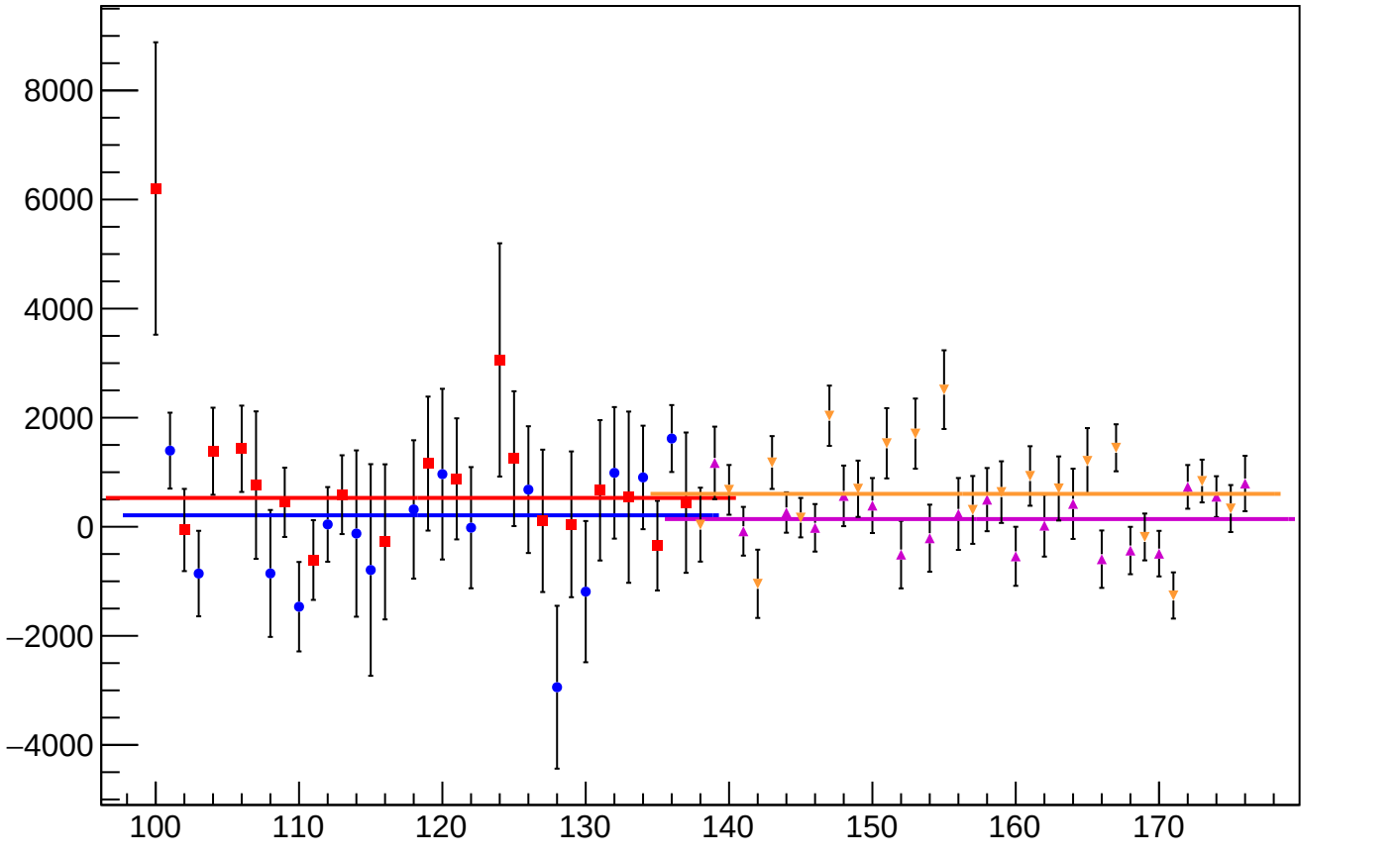
Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.293+/-0.010 χ^2/NDF:336852.2/18

+ sign 57.734+/-0.009 χ^2/NDF: 1435311.0/35

All: 57.802+/-0.006 χ^2/NDF: 2341407.2/73

- sign 57.870+/-0.009 χ^2/NDF: 905974.3/37



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 603.043+/-113.064 χ^2/NDF:58.3/19

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

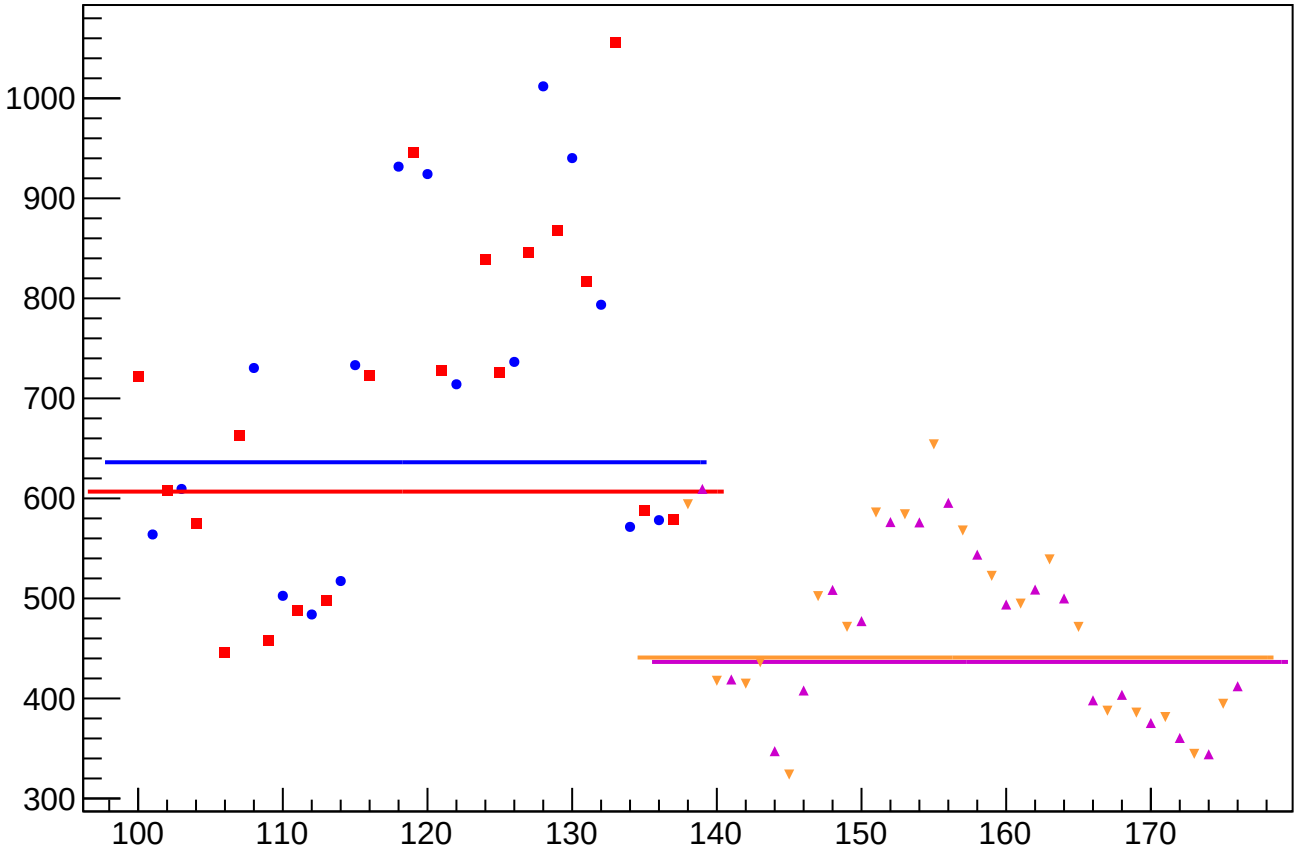
Left In: 141.252+/-112.989 χ^2/NDF:18.4/18

+ sign 533.475+/-102.571 χ^2/NDF: 82.9/35

All: 373.268+/-72.106 χ^2/NDF: 122.2/73

- sign 216.742+/-101.385 χ^2/NDF: 34.5/37

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 440.929+/-0.080 χ^2/NDF:1179466.3/19

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

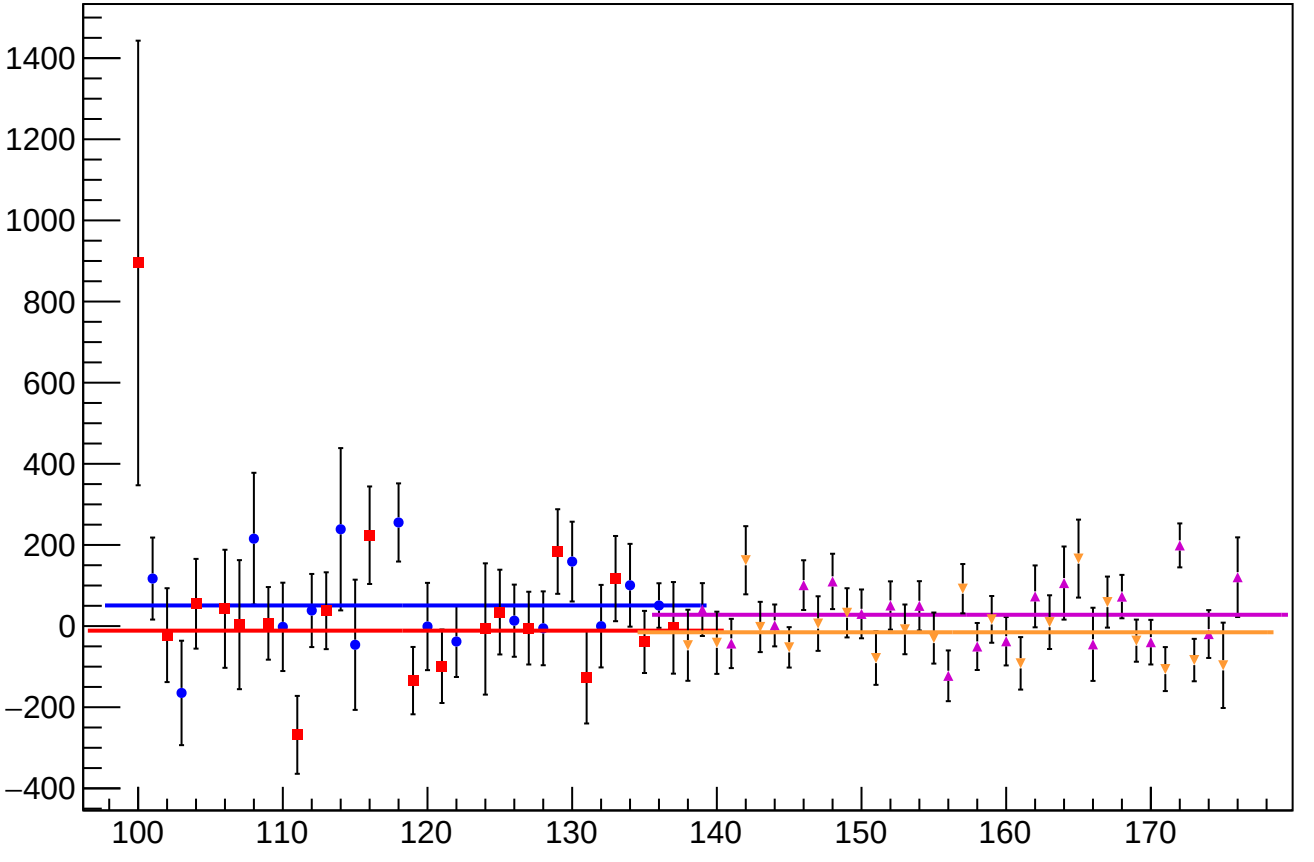
Left In: 436.503+/-0.080 χ^2/NDF:1036639.6/18

+ sign 475.483+/-0.073 χ^2/NDF: 2940050.2/35

All: 472.551+/-0.051 χ^2/NDF: 5759105.5/73

- sign 469.686+/-0.072 χ^2/NDF: 2815824.1/37

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -15.253+/-14.265 χ^2/NDF:22.3/19

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

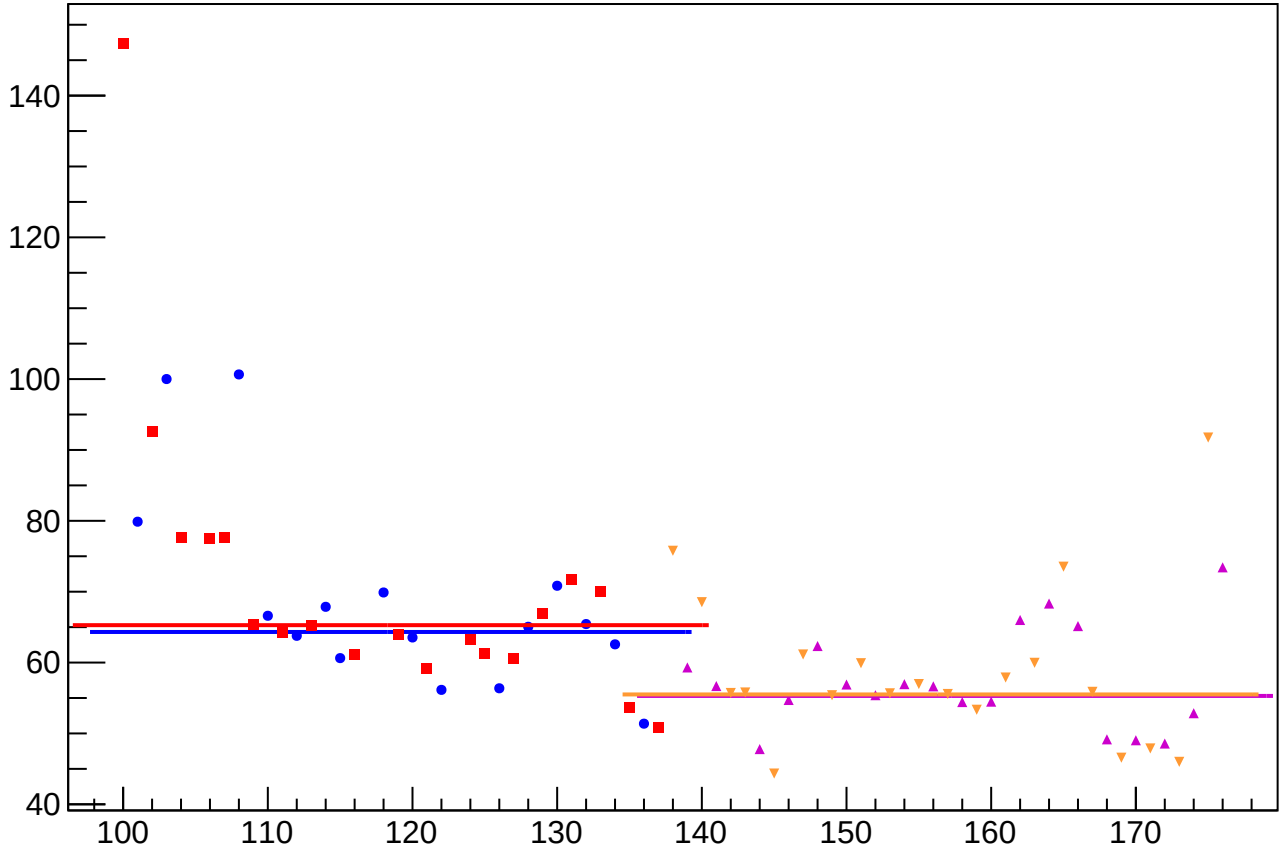
Left In: 27.882+/-14.348 χ^2/NDF:29.1/18

+ sign 1.492+/-12.326 χ^2/NDF: 41.5/35

All: 9.614+/-8.727 χ^2/NDF: 97.4/73

- sign 17.778+/-12.358 χ^2/NDF: 55.0/37

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 55.501+/-0.010 χ^2/NDF:776862.8/19

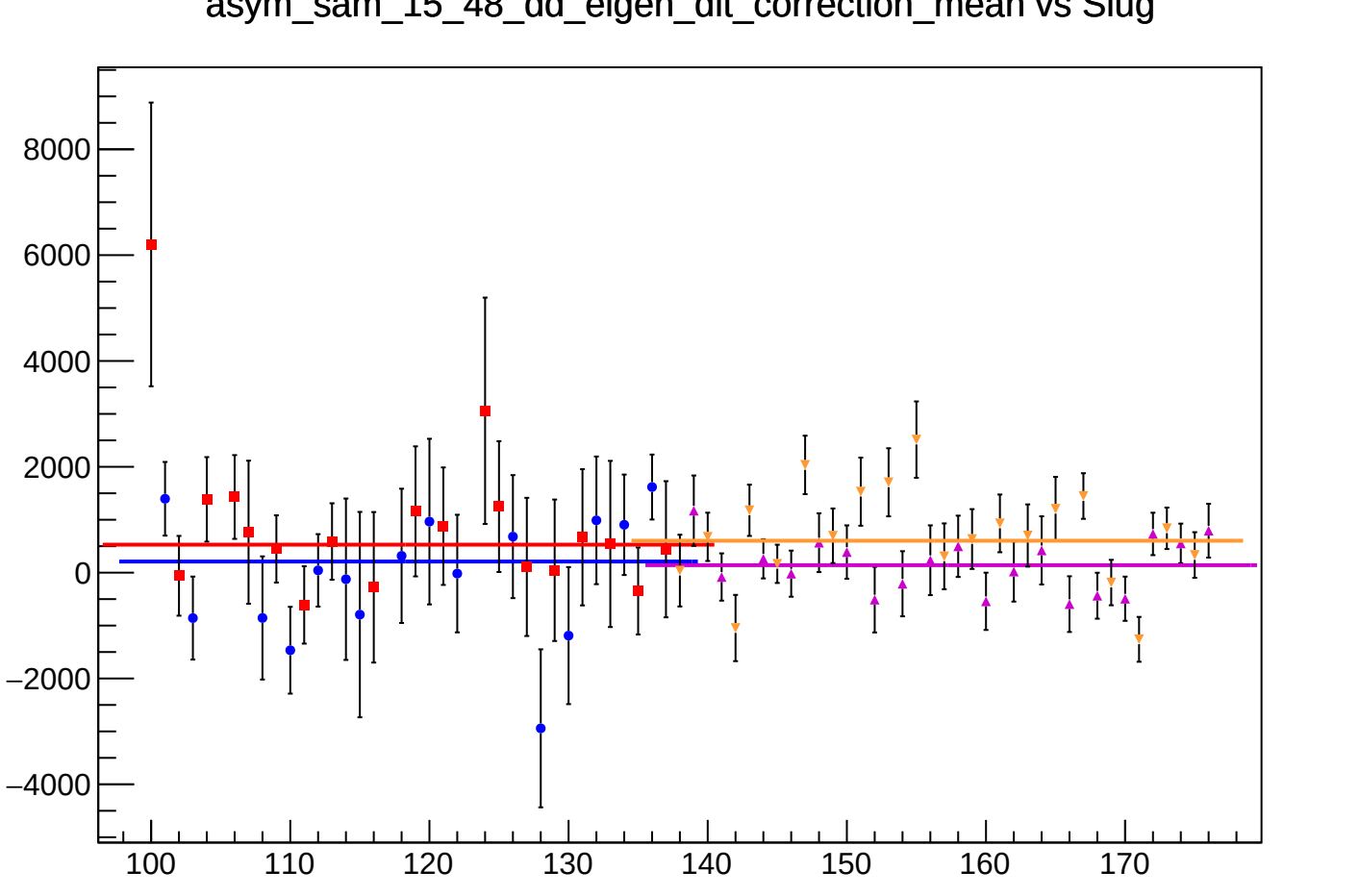
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.293+/-0.010 χ^2/NDF:336849.2/18

+ sign 57.734+/-0.009 χ^2/NDF: 1435288.3/35

All: 57.802+/-0.006 χ^2/NDF: 2341375.3/73

- sign 57.870+/-0.009 χ^2/NDF: 905965.2/37



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 603.042+/-113.064 χ^2/NDF:58.3/19

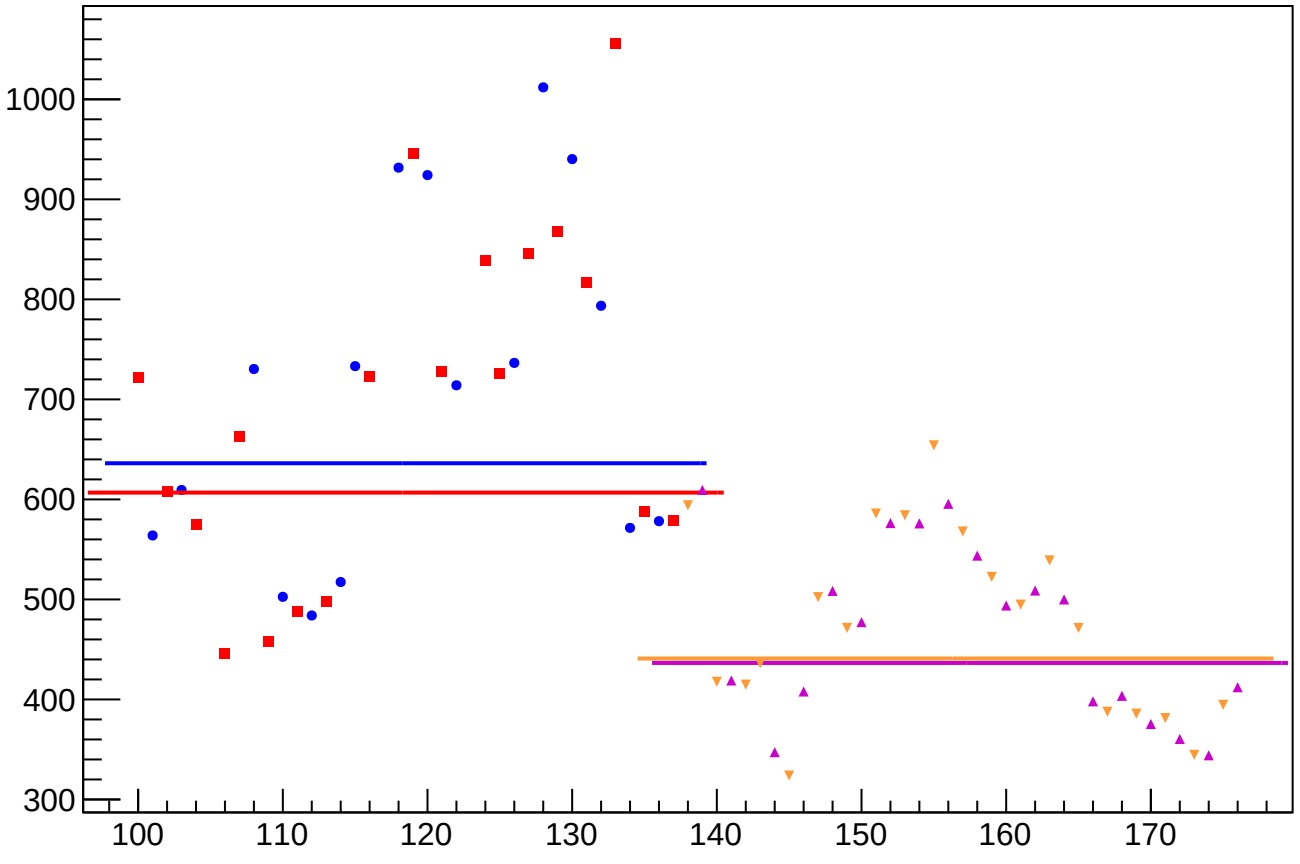
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 141.251+/-112.989 χ^2/NDF:18.4/18

+ sign 533.475+/-102.571 χ^2/NDF: 82.9/35

All: 373.267+/-72.106 χ^2/NDF: 122.2/73

- sign 216.742+/-101.385 χ^2/NDF: 34.5/37



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 440.928+/-0.080 χ^2/NDF:1179475.5/19

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

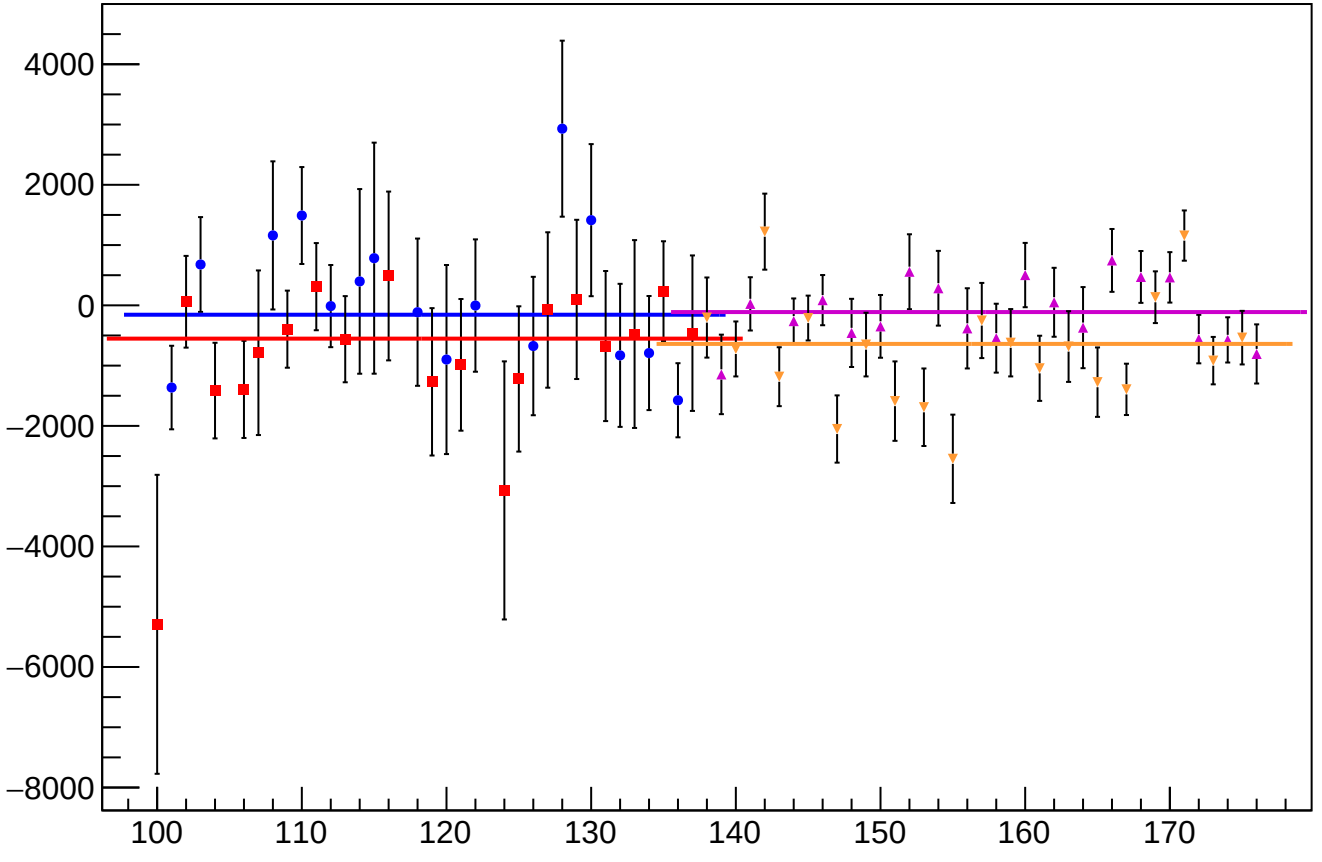
Left In: 436.502+/-0.080 χ^2/NDF:1036648.4/18

\+ sign 475.482+/-0.073 χ^2/NDF: 2940067.7/35

All: 472.550+/-0.051 χ^2/NDF: 5759140.5/73

\- sign 469.685+/-0.072 χ^2/NDF: 2815841.5/37

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -639.814+/-113.439 χ^2/NDF:57.4/19

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

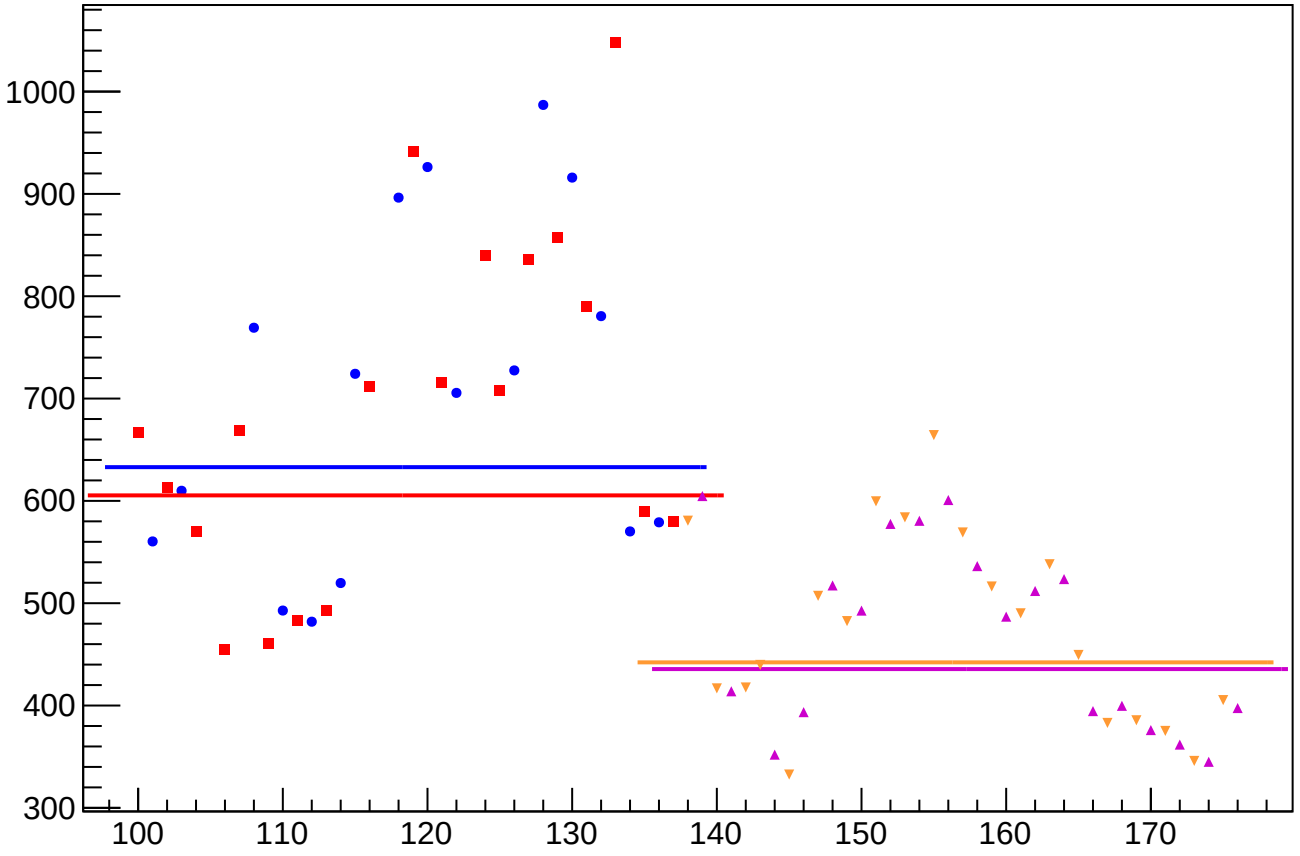
Left In: -111.435+/-112.798 χ^2/NDF:18.6/18

+ sign -552.944+/-102.759 χ^2/NDF: 83.1/35

All: -372.496+/-72.097 χ^2/NDF: 122.9/73

- sign -197.556+/-101.179 χ^2/NDF: 33.7/37

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 442.192+/-0.080 χ^2/NDF:1149652.4/19

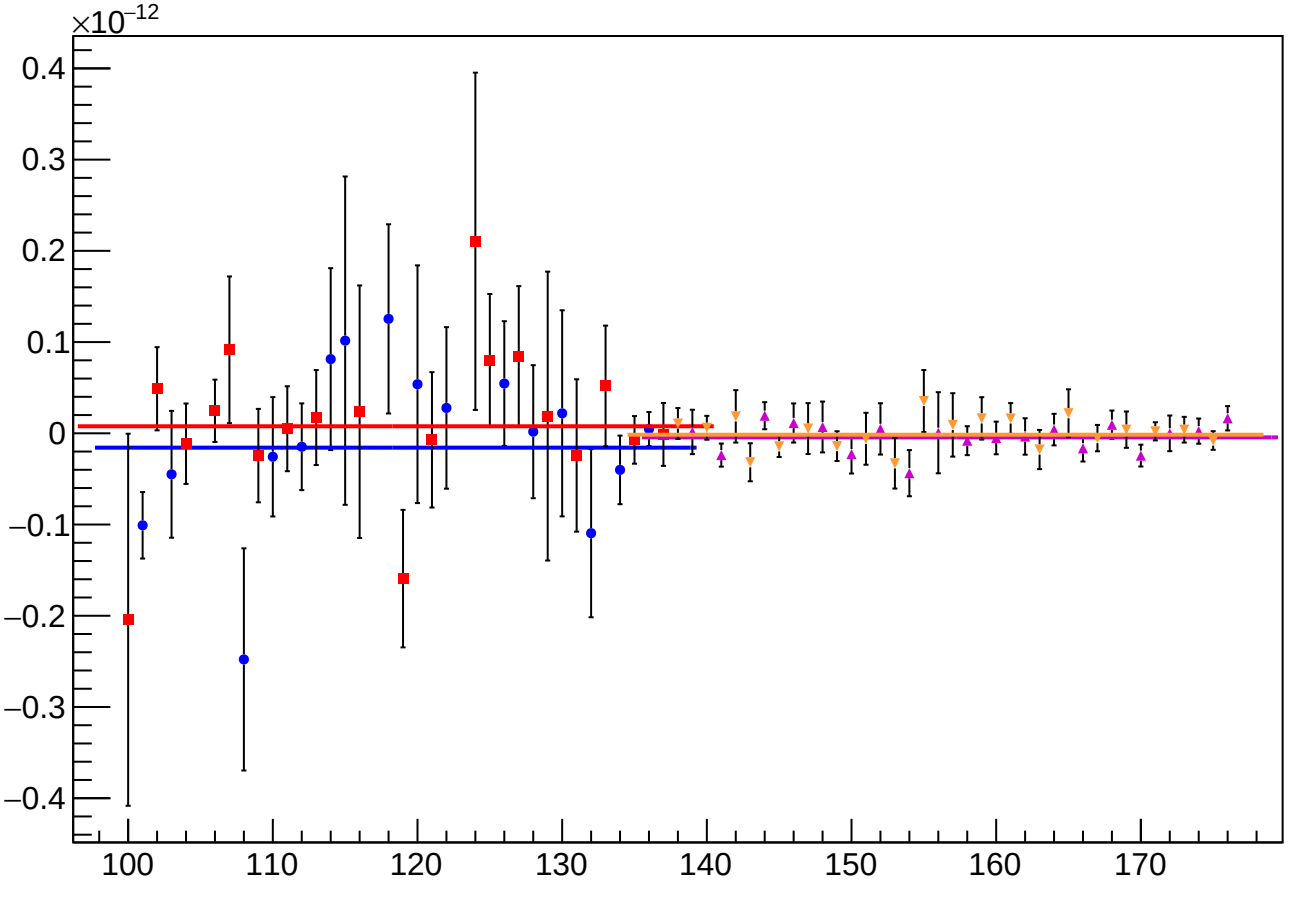
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 435.627+/-0.080 χ^2/NDF:1071322.6/18

\+ sign 476.421+/-0.073 χ^2/NDF: 2845695.2/35

All: 472.549+/-0.051 χ^2/NDF: 5661629.2/73

\- sign 468.796+/-0.072 χ^2/NDF: 2810341.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/19

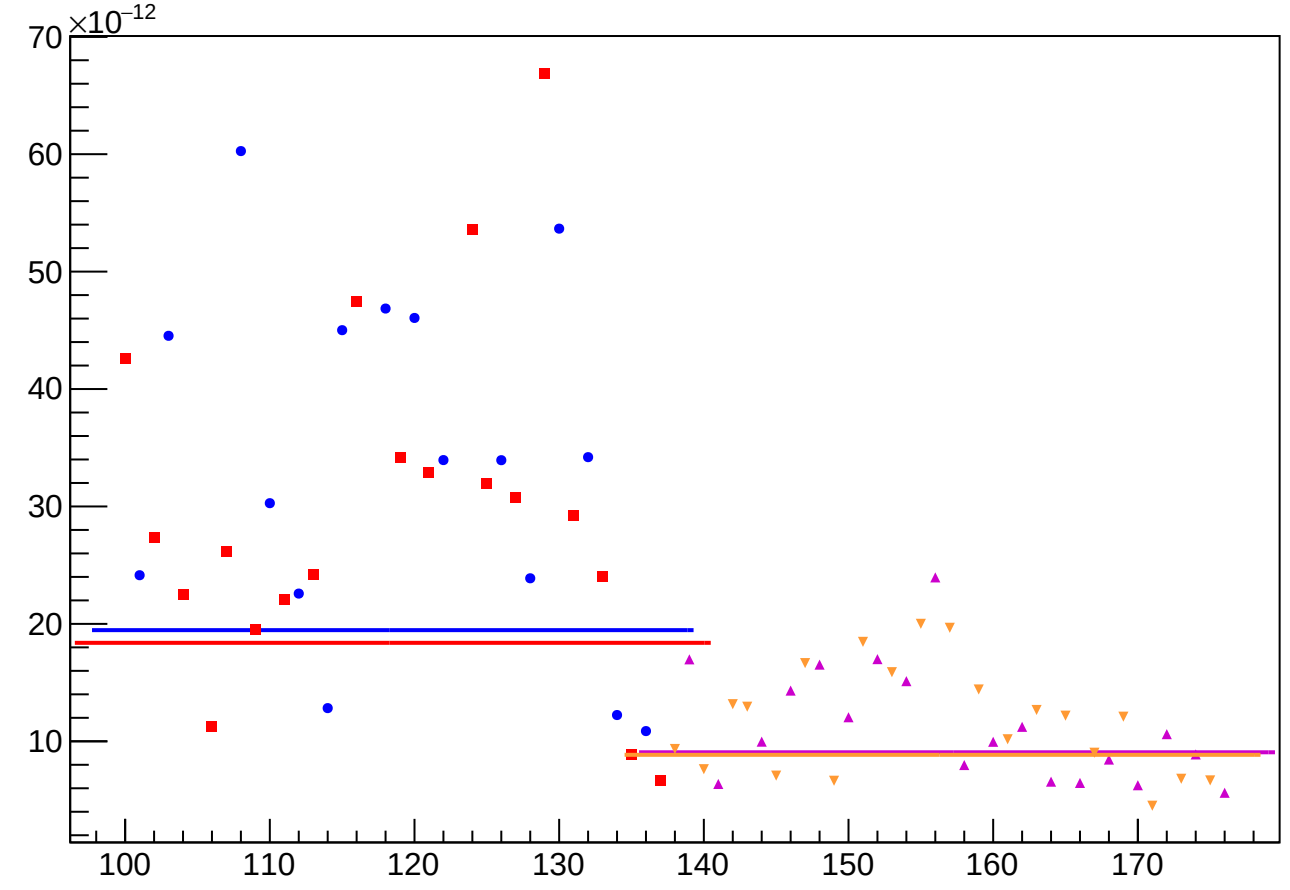
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/35

All: -0.000+/-0.000 χ^2/NDF: 60.0/73

- sign -0.000+/-0.000 χ^2/NDF: 30.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1935188.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

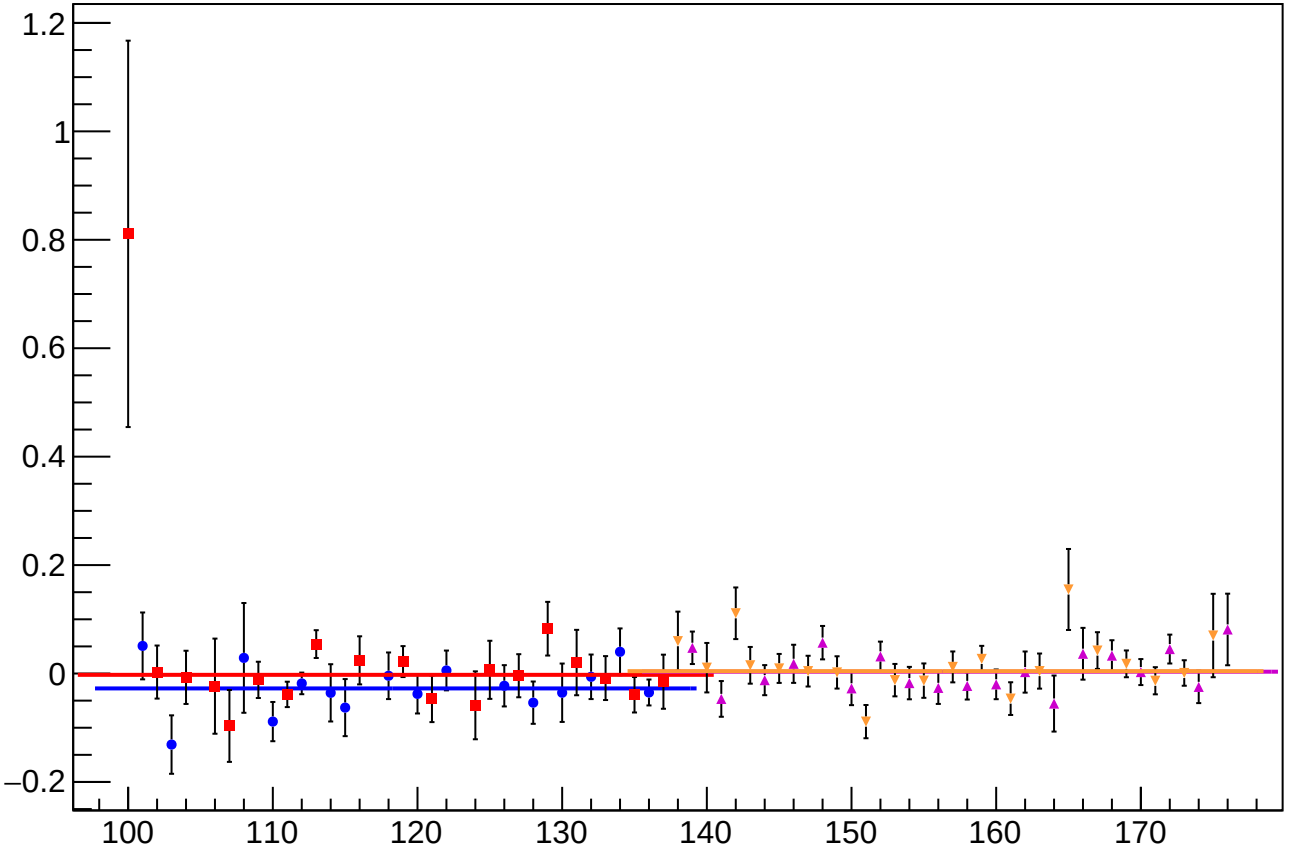
Left In: 0.000+/-0.000 χ^2/NDF:1514928.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 4972610.7/35

All: 0.000+/-0.000 χ^2/NDF: 8998871.9/73

- sign 0.000+/-0.000 χ^2/NDF: 4022081.4/37

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: 0.004+/-0.007 χ^2/NDF:26.7/19

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

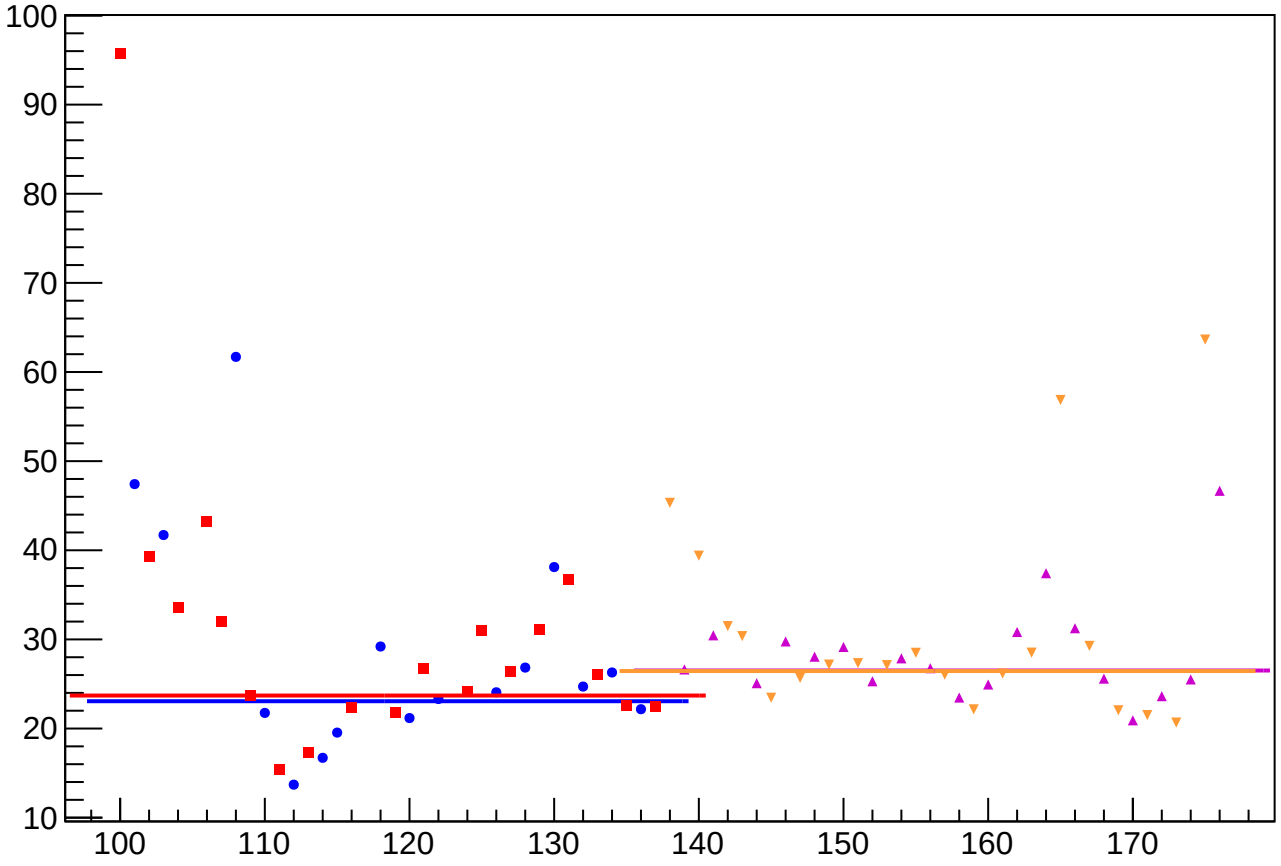
Left In: 0.003+/-0.007 χ^2/NDF:21.0/18

+ sign -0.007+/-0.006 χ^2/NDF: 47.7/35

All: -0.003+/-0.004 χ^2/NDF: 92.1/73

- sign 0.001+/-0.006 χ^2/NDF: 43.3/37

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636312.0/19

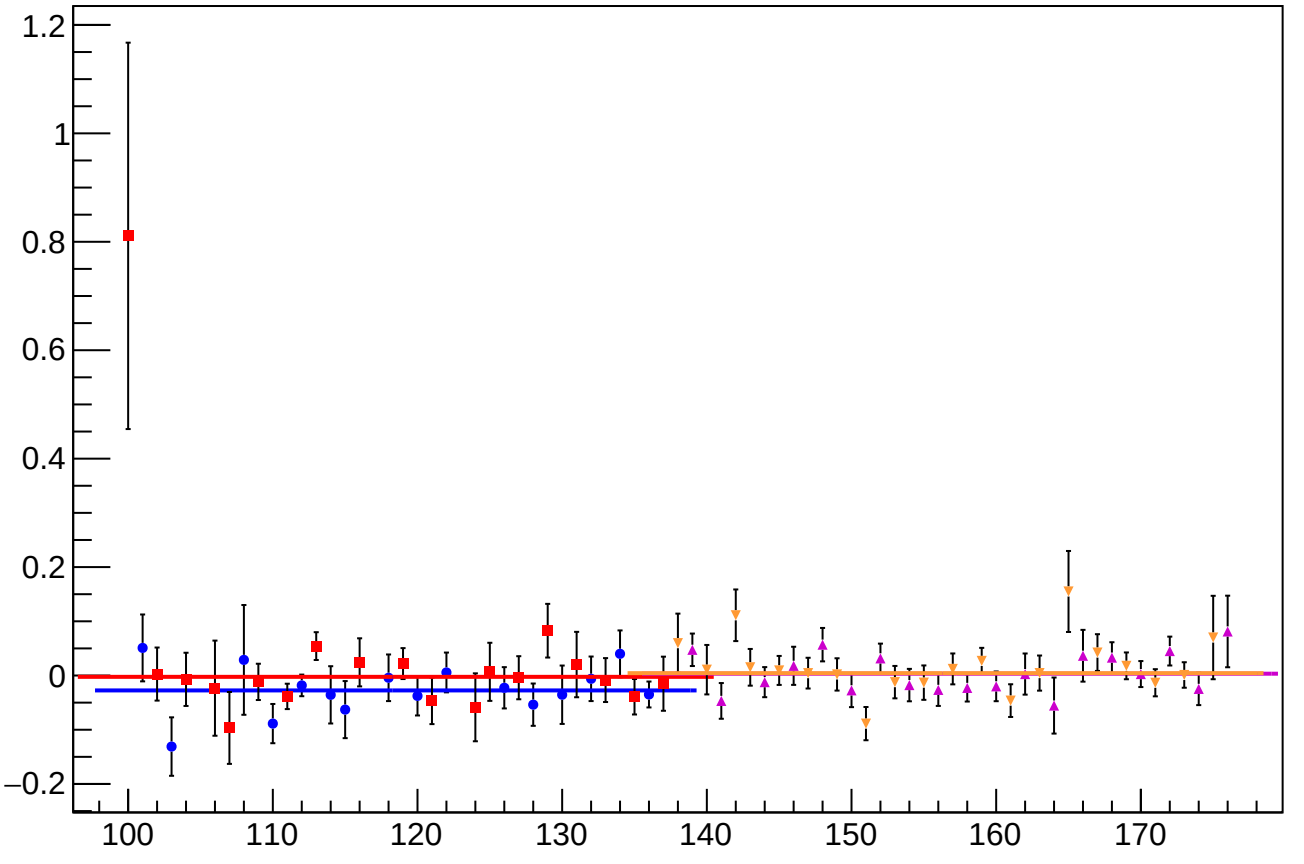
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.511+/-0.005 χ^2/NDF:572484.1/18

+ sign 25.240+/-0.004 χ^2/NDF: 3367642.1/35

All: 25.361+/-0.003 χ^2/NDF: 5146200.4/73

- sign 25.481+/-0.004 χ^2/NDF: 1776720.5/37



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

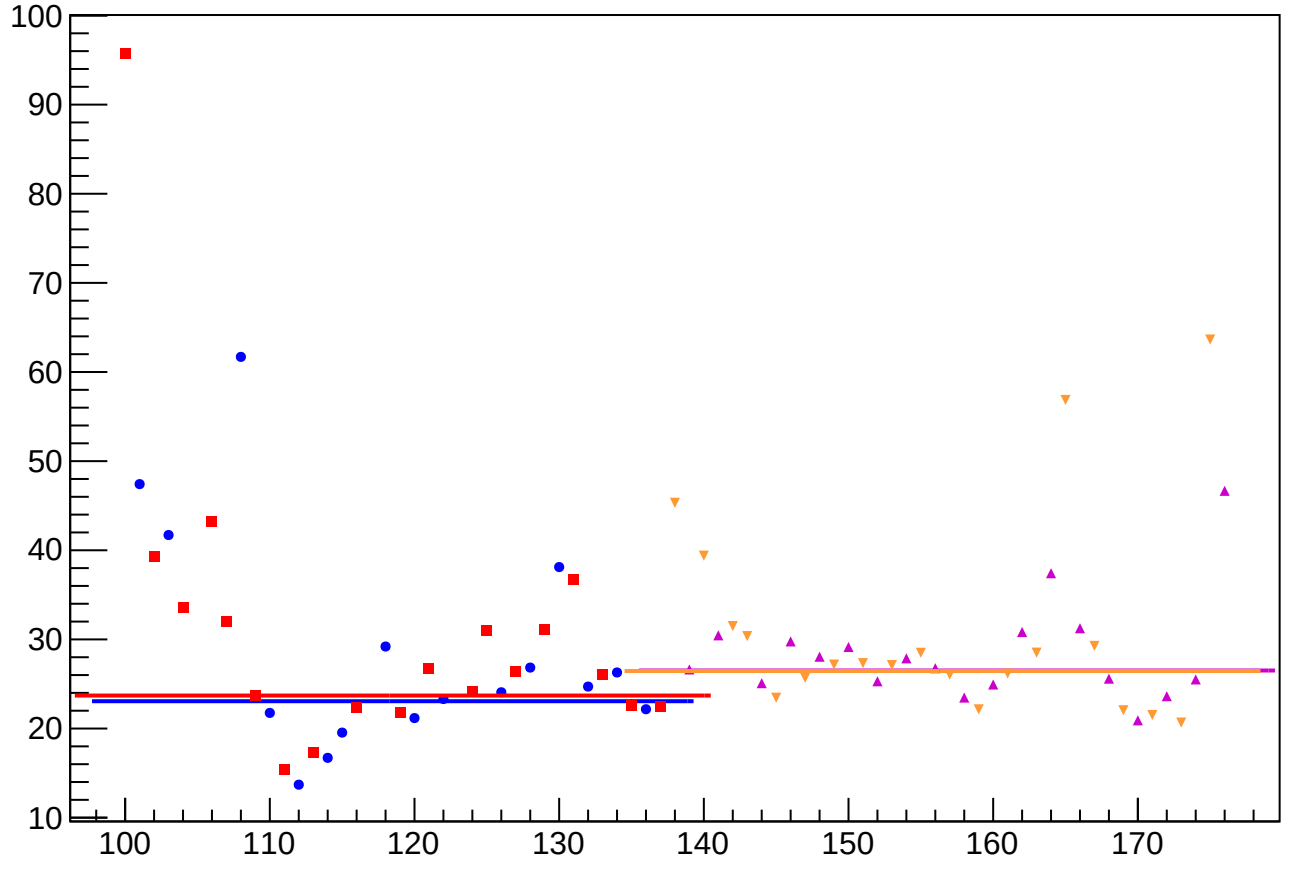
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.003+/-0.007 χ^2/NDF:21.0/18

+ sign -0.007+/-0.006 χ^2/NDF: 47.7/35

All: -0.003+/-0.004 χ^2/NDF: 92.1/73

- sign 0.001+/-0.006 χ^2/NDF: 43.3/37



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636312.0/19

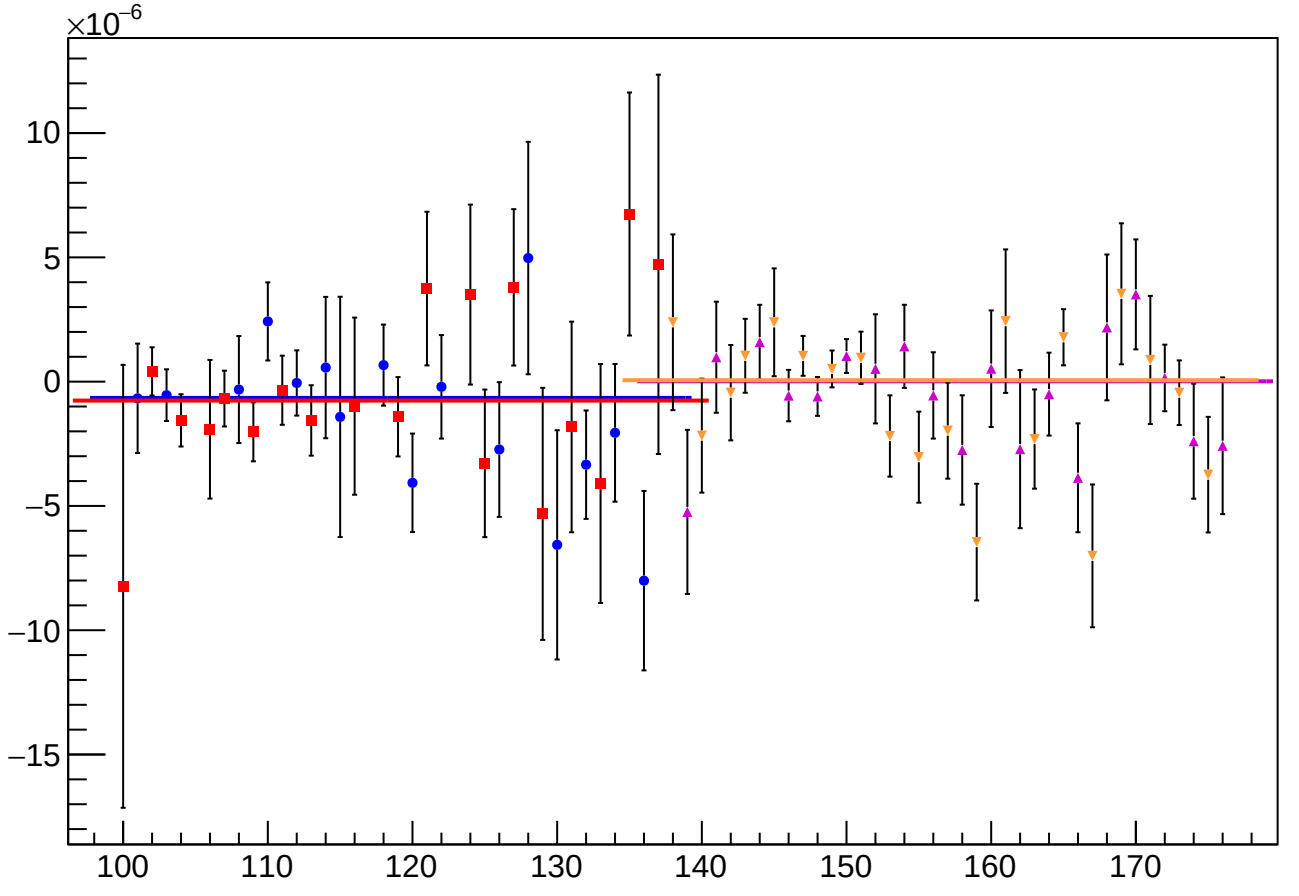
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.511+/-0.005 χ^2/NDF:572484.1/18

+ sign 25.240+/-0.004 χ^2/NDF: 3367642.1/35

All: 25.361+/-0.003 χ^2/NDF: 5146200.4/73

- sign 25.481+/-0.004 χ^2/NDF: 1776720.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/19

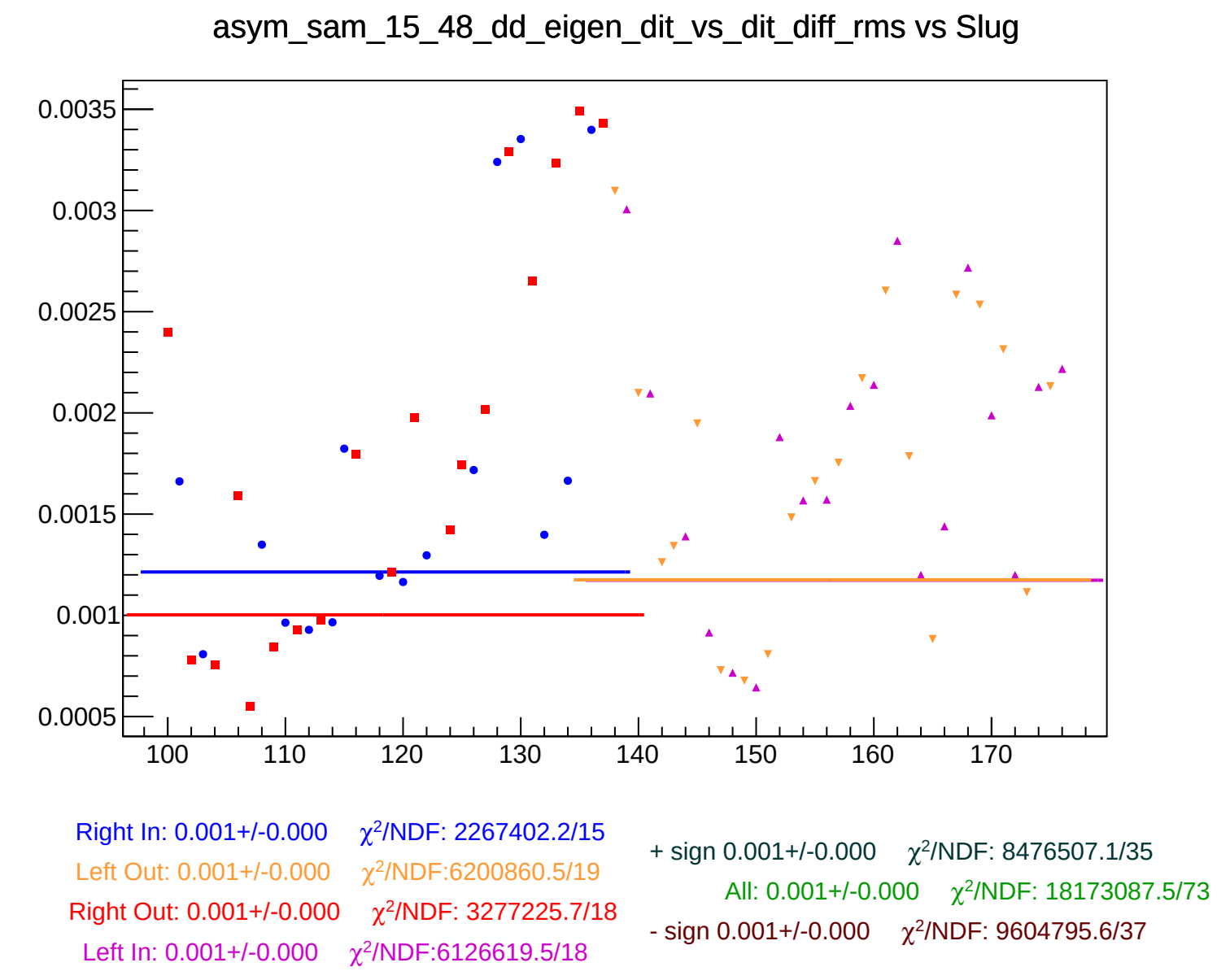
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

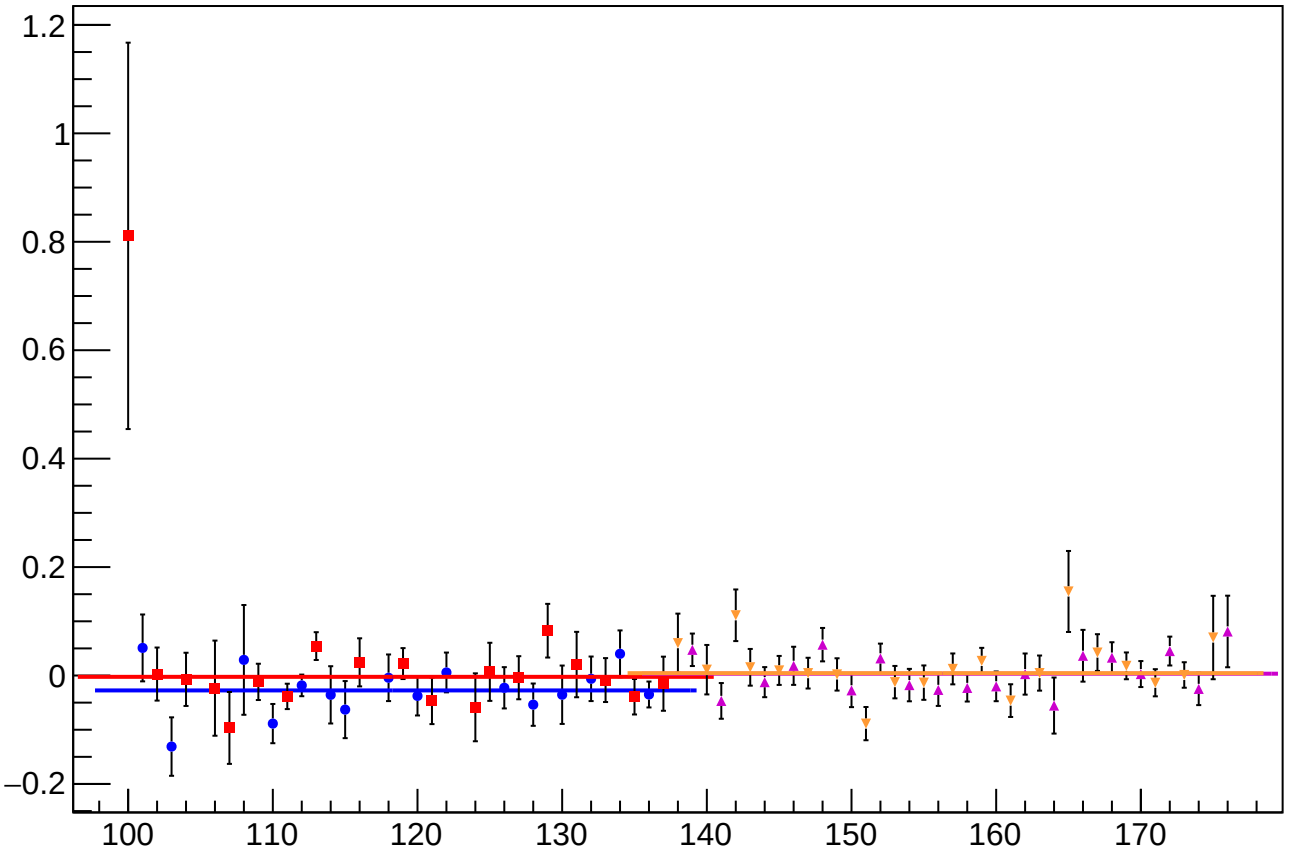
Left In: 0.000+/-0.000 χ^2/NDF:18.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 53.1/35

All: -0.000+/-0.000 χ^2/NDF: 88.9/73

- sign -0.000+/-0.000 χ^2/NDF: 35.7/37


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
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6200860.5/19
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:6126619.5/18
+ sign 0.001+/-0.000 χ²/NDF: 8476507.1/35
All: 0.001+/-0.000 χ²/NDF: 18173087.5/73
- sign 0.001+/-0.000 χ²/NDF: 9604795.6/37



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

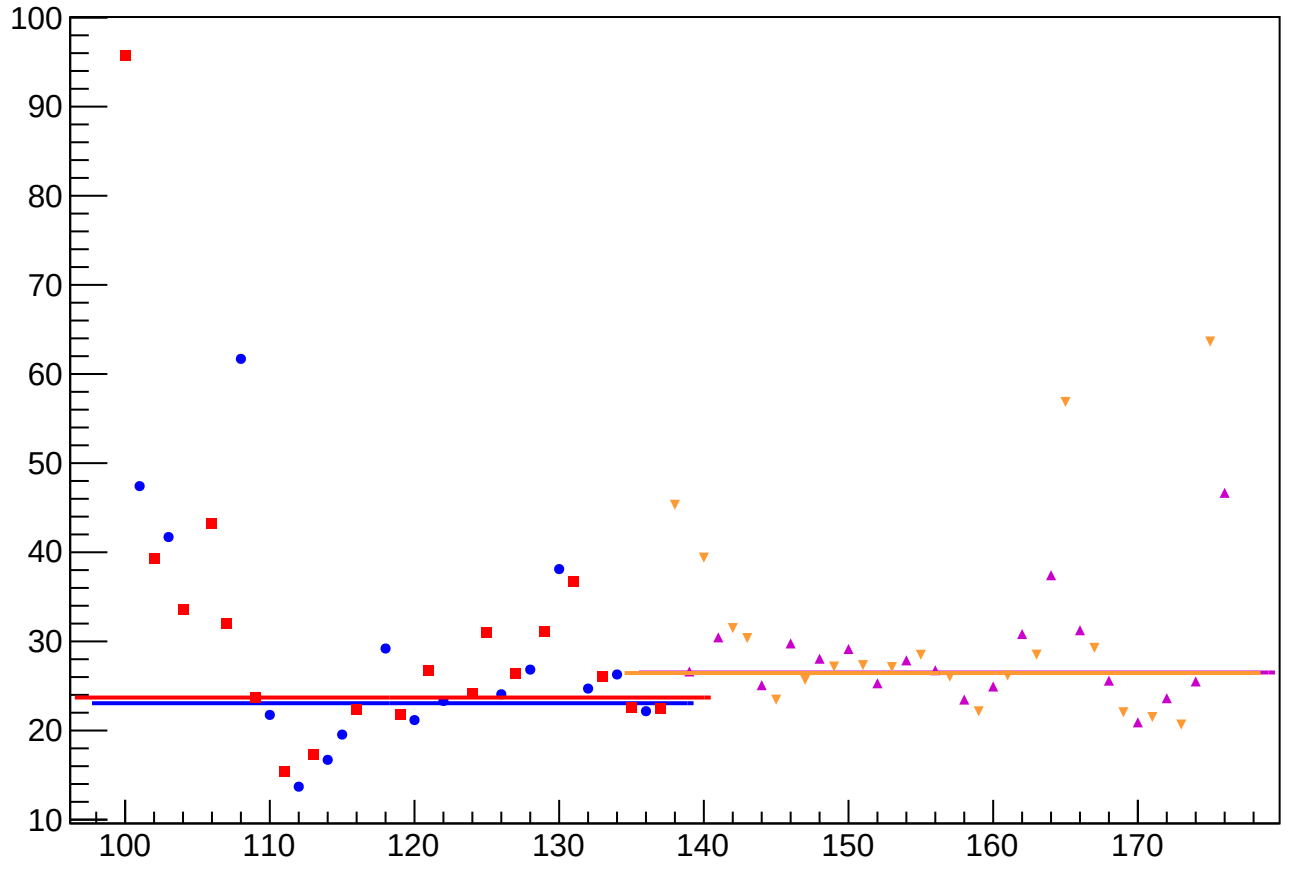
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.003+/-0.007 χ^2/NDF:21.0/18

+ sign -0.007+/-0.006 χ^2/NDF: 47.7/35

All: -0.003+/-0.004 χ^2/NDF: 92.1/73

- sign 0.001+/-0.006 χ^2/NDF: 43.3/37



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636261.6/19

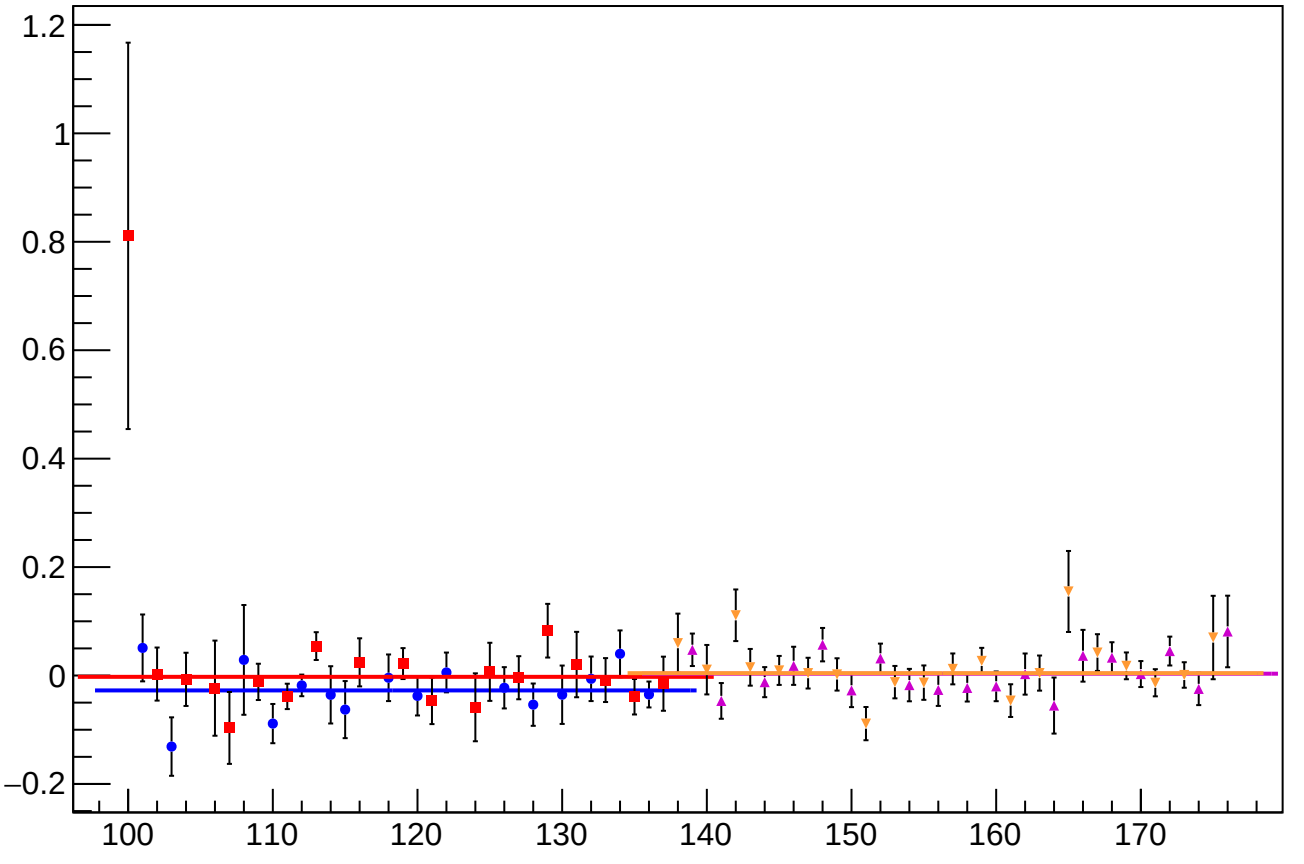
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.511+/-0.005 χ^2/NDF:572478.5/18

+ sign 25.240+/-0.004 χ^2/NDF: 3367658.5/35

All: 25.361+/-0.003 χ^2/NDF: 5146282.7/73

- sign 25.481+/-0.004 χ^2/NDF: 1776788.0/37



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

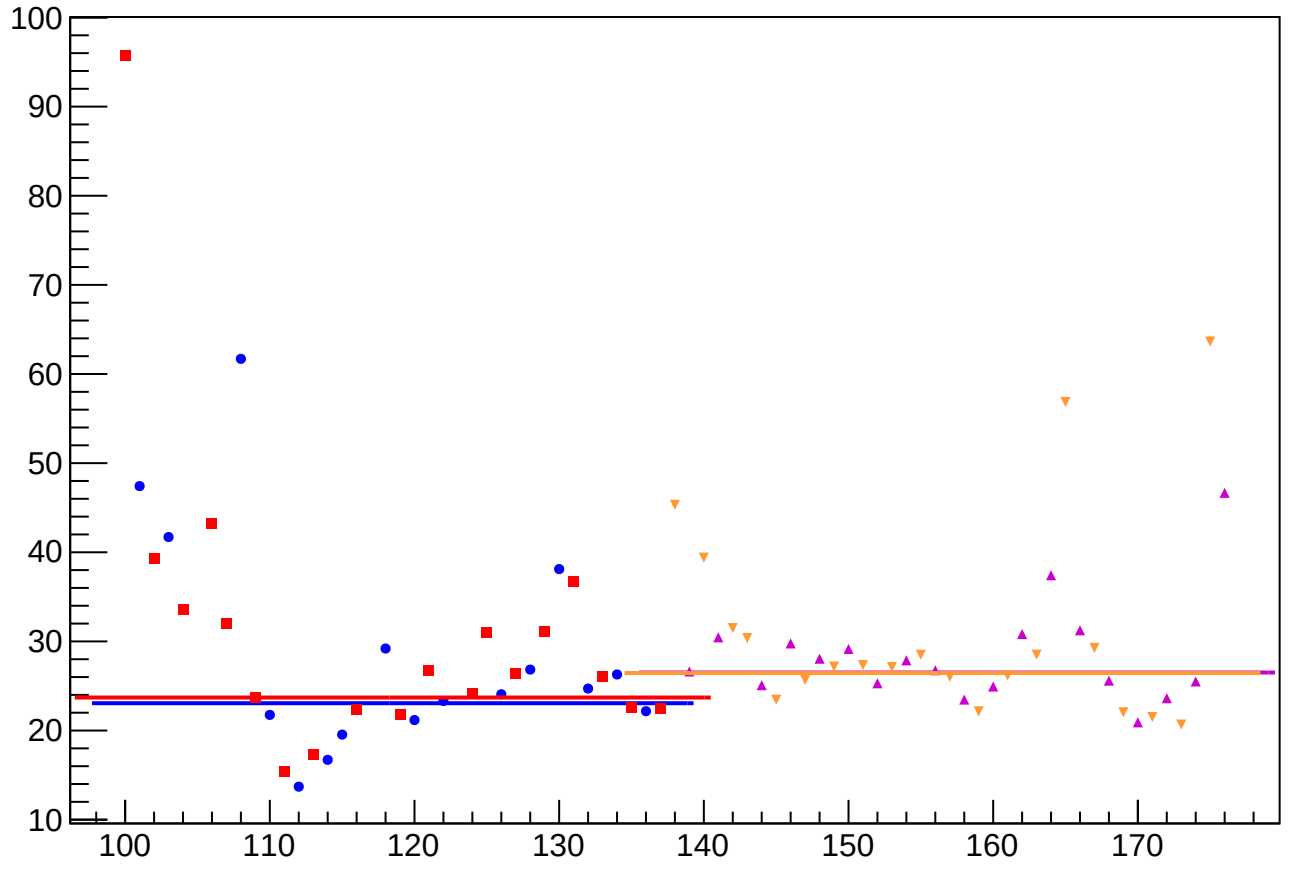
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.003+/-0.007 χ^2/NDF:21.0/18

+ sign -0.007+/-0.006 χ^2/NDF: 47.7/35

All: -0.003+/-0.004 χ^2/NDF: 92.1/73

- sign 0.001+/-0.006 χ^2/NDF: 43.3/37



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636261.6/19

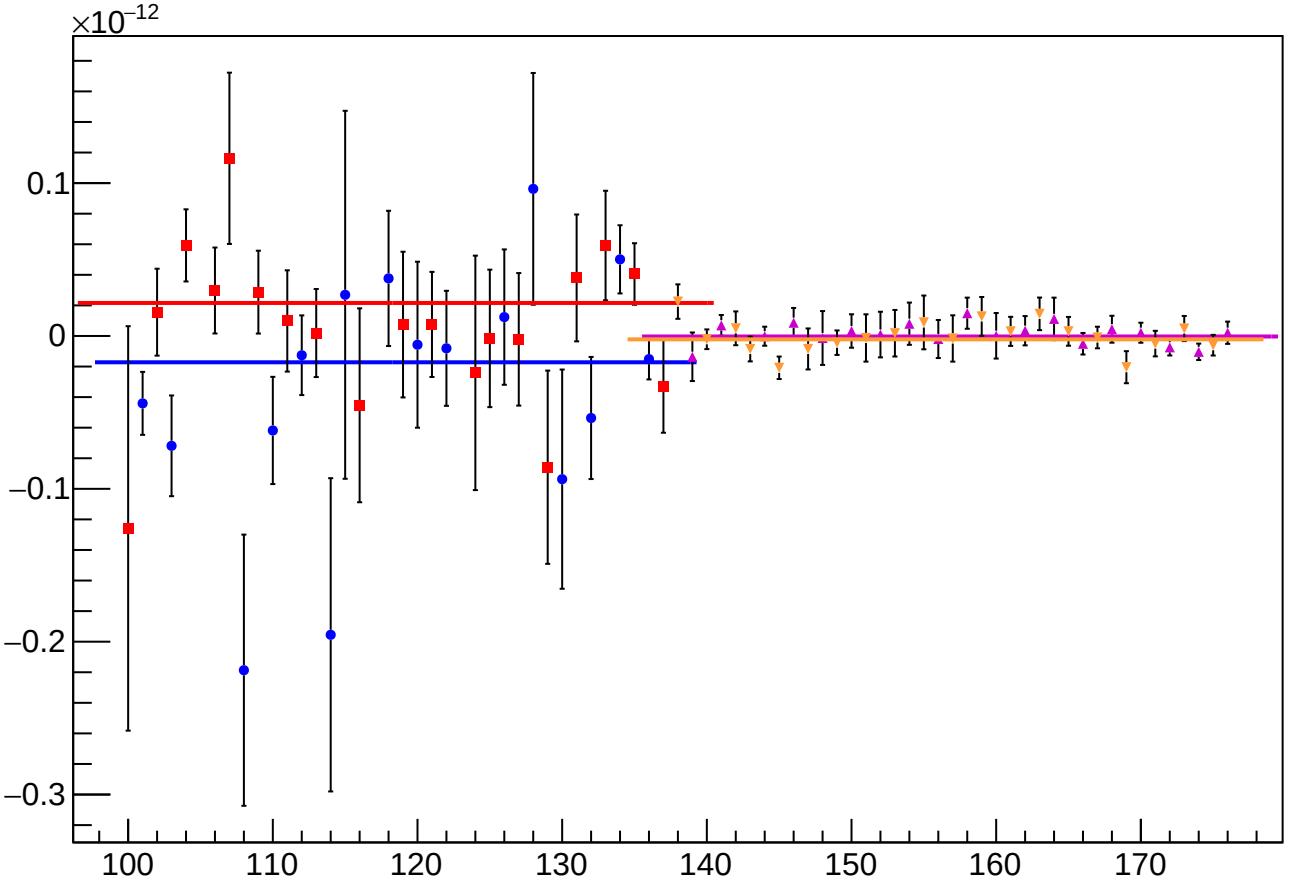
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.511+/-0.005 χ^2/NDF:572478.5/18

+ sign 25.240+/-0.004 χ^2/NDF: 3367658.5/35

All: 25.361+/-0.003 χ^2/NDF: 5146282.7/73

- sign 25.481+/-0.004 χ^2/NDF: 1776788.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/19

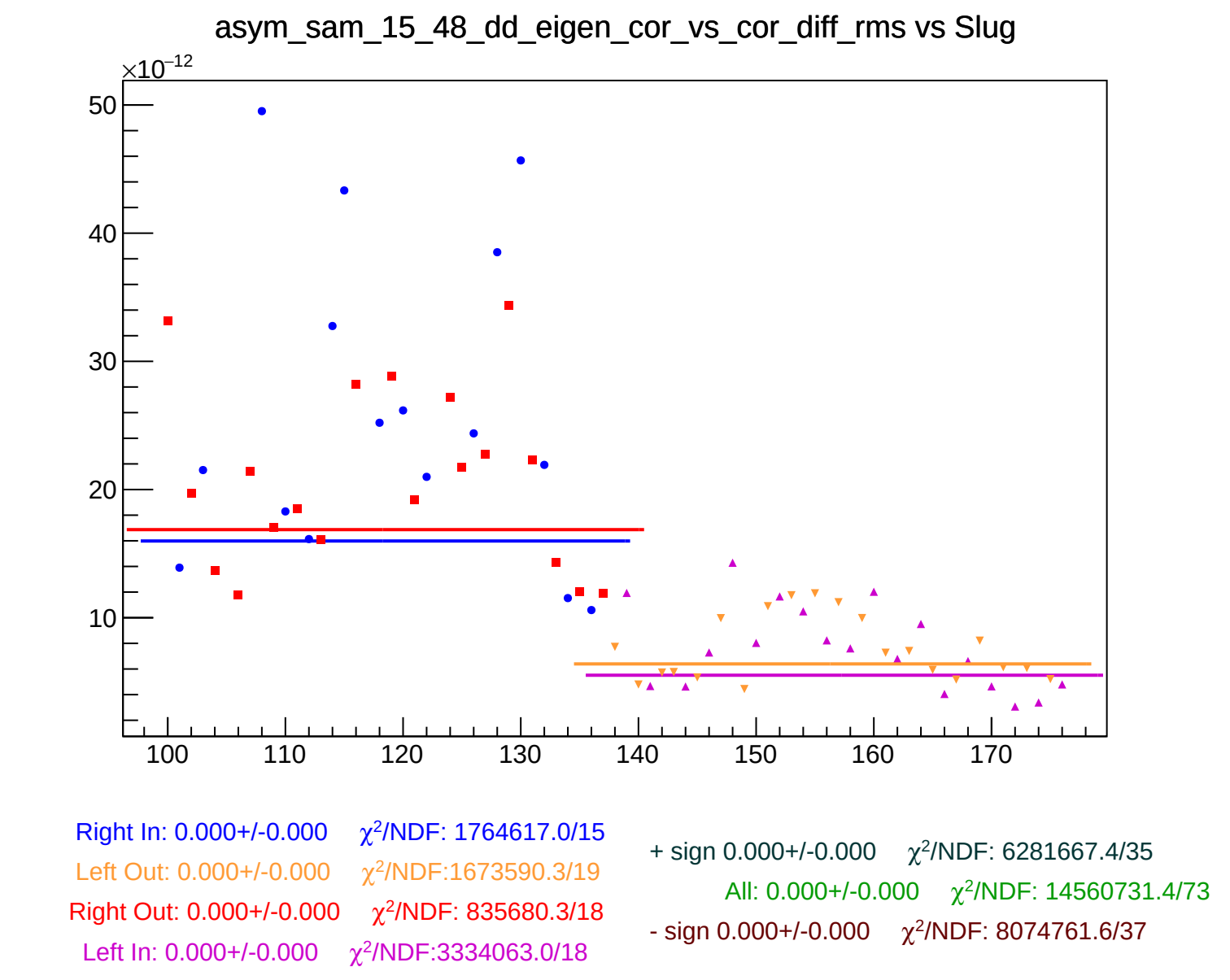
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/18

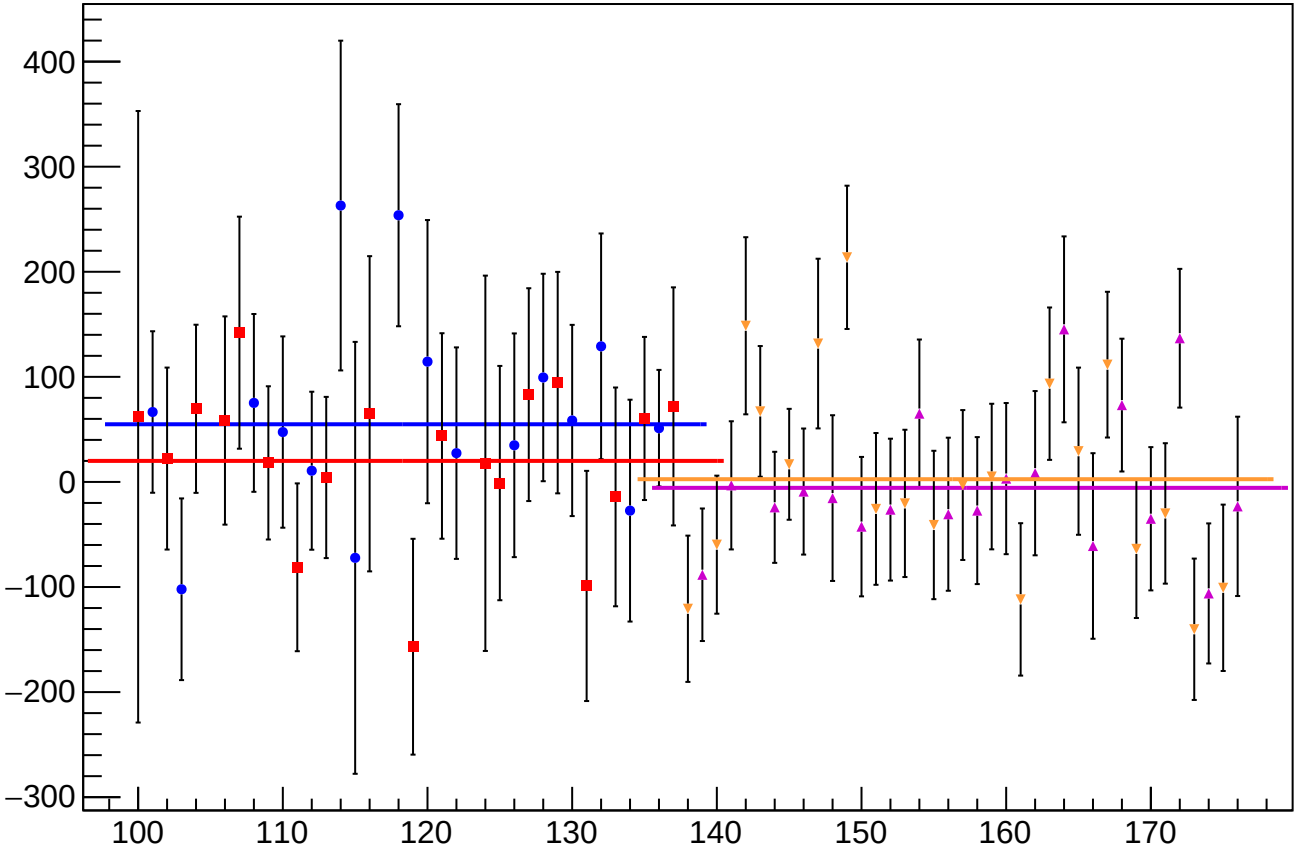
+ sign -0.000+/-0.000 χ^2/NDF: 55.0/35

All: -0.000+/-0.000 χ^2/NDF: 95.1/73

- sign 0.000+/-0.000 χ^2/NDF: 37.9/37


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1673590.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3334063.0/18
+ sign 0.000+/-0.000 χ²/NDF: 6281667.4/35
All: 0.000+/-0.000 χ²/NDF: 14560731.4/73
- sign 0.000+/-0.000 χ²/NDF: 8074761.6/37

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 2.602+/-15.527 χ^2/NDF:35.1/19

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

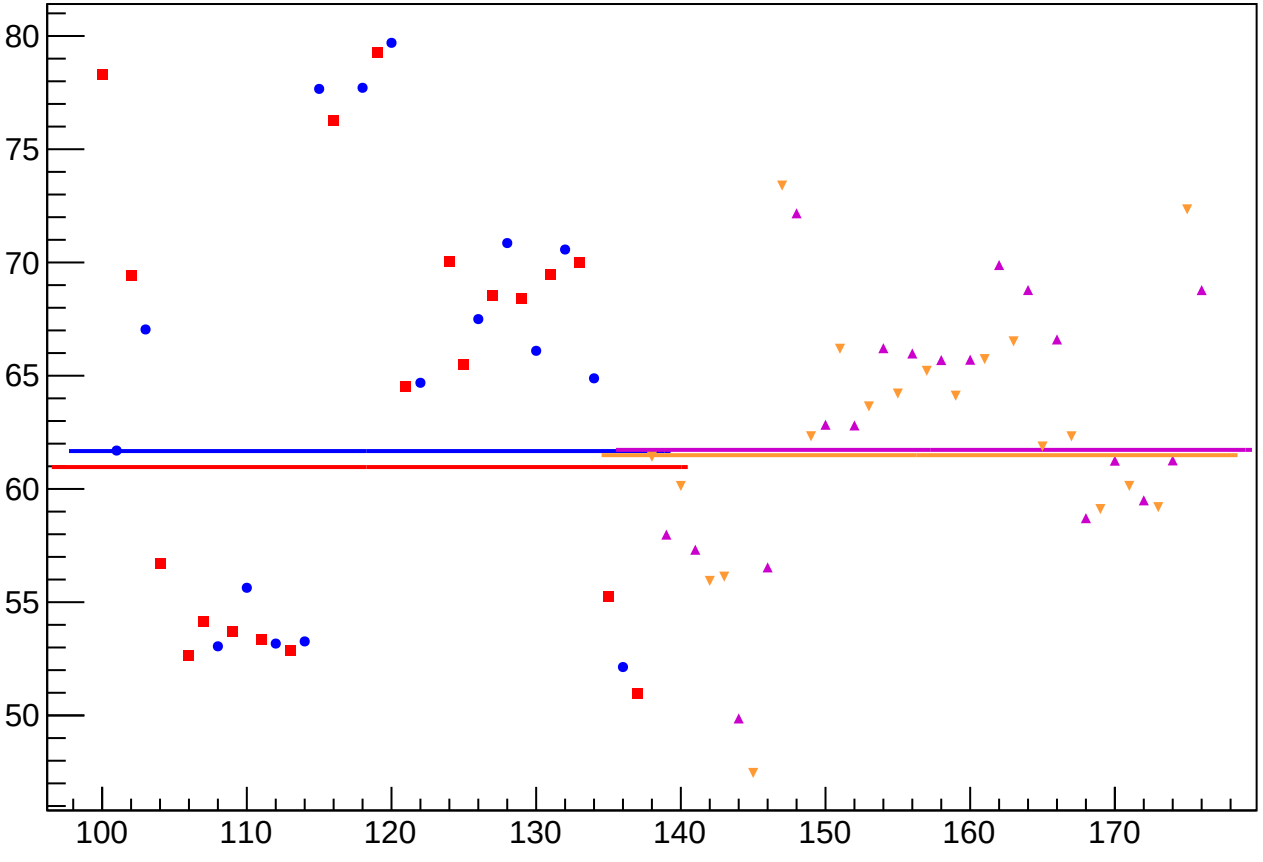
Left In: -5.636+/-15.756 χ^2/NDF:15.5/18

+ sign 18.796+/-12.900 χ^2/NDF: 49.6/35

All: 10.795+/-9.129 χ^2/NDF: 76.0/73

- sign 2.770+/-12.919 χ^2/NDF: 25.6/37

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.491+/-0.011 χ^2/NDF:291341.2/19

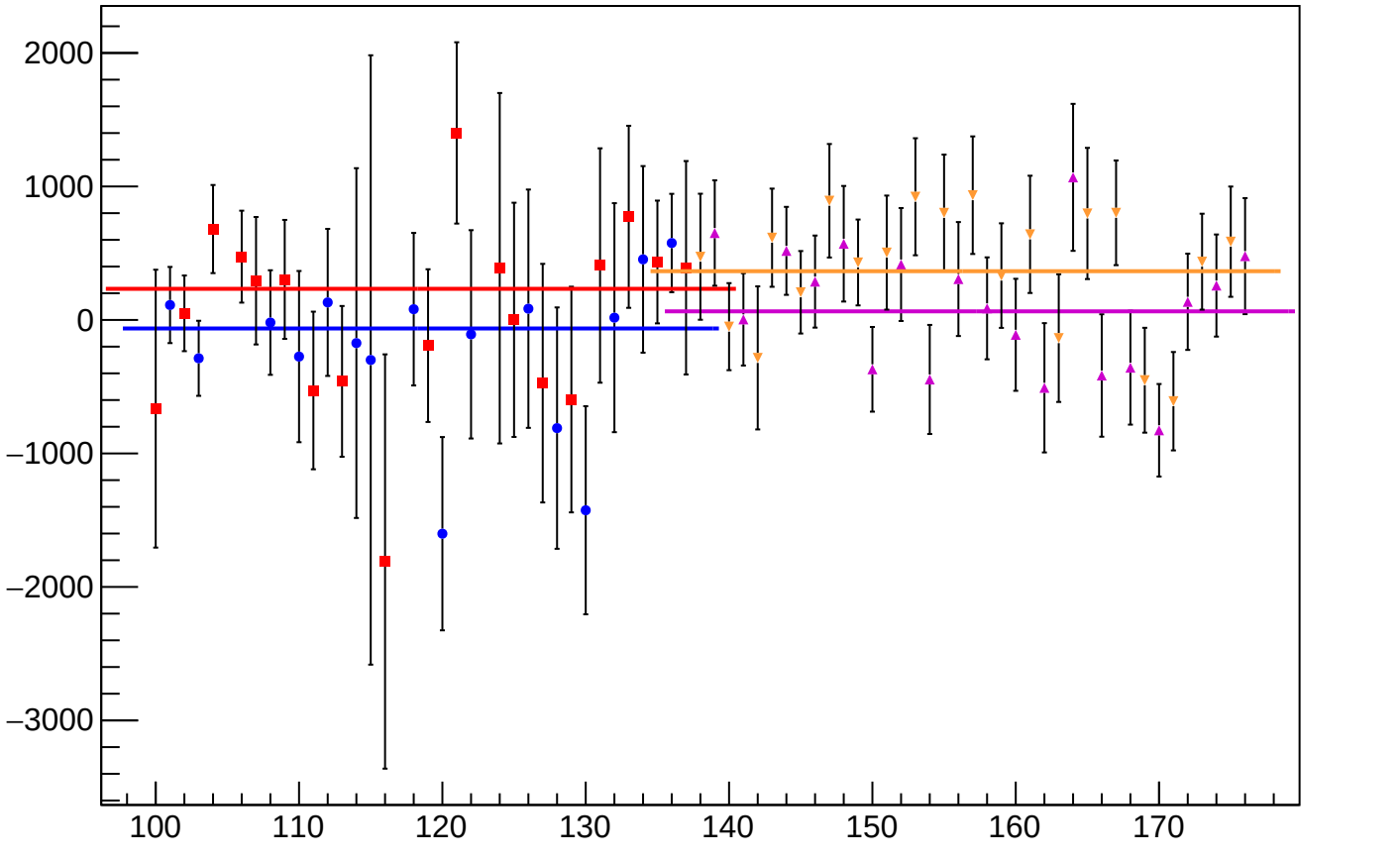
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.725+/-0.011 χ^2/NDF:258163.2/18

+ sign 61.547+/-0.009 χ^2/NDF: 558534.4/35

All: 61.512+/-0.006 χ^2/NDF: 1102431.2/73

- sign 61.477+/-0.009 χ^2/NDF: 543867.0/37



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 365.291+/-89.190 χ^2/NDF:25.0/19

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

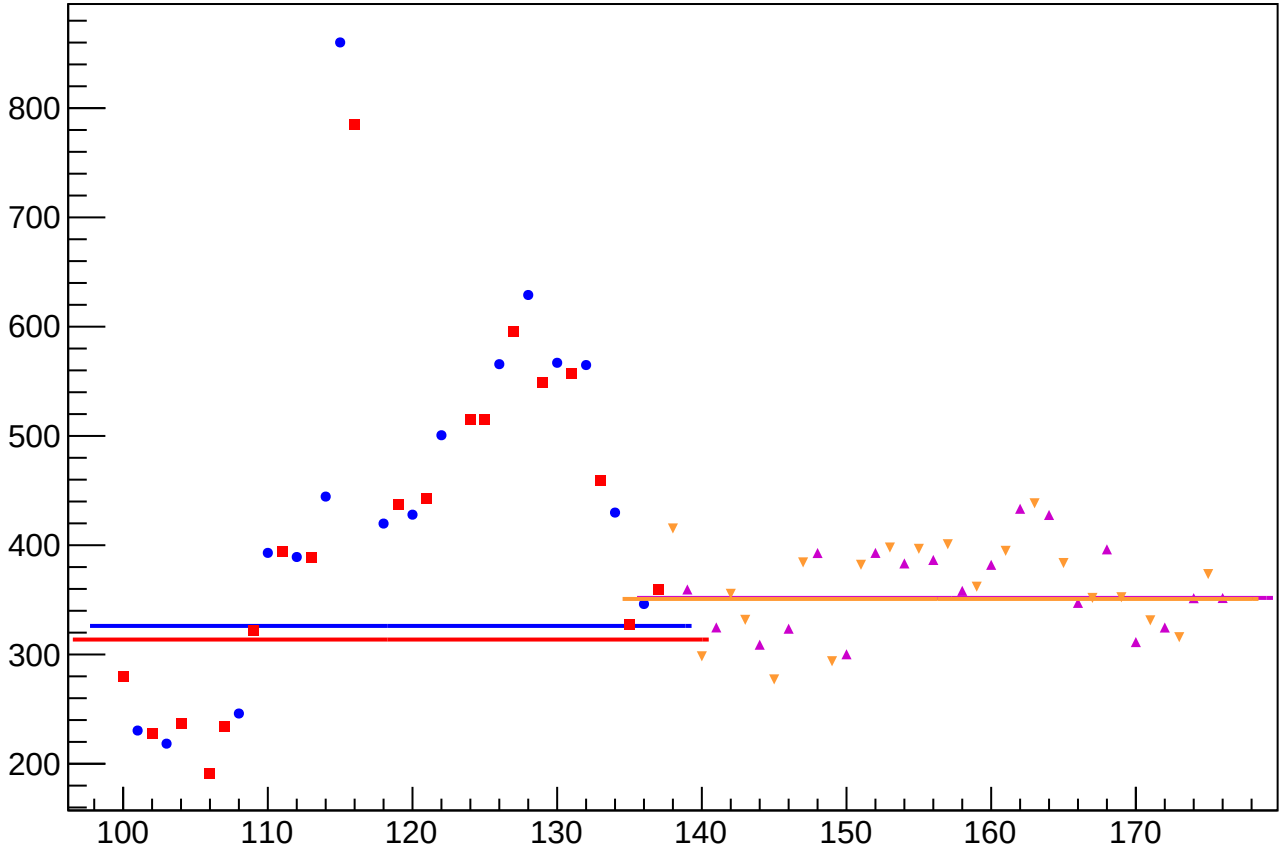
Left In: 64.471+/-90.080 χ^2/NDF:25.1/18

+ sign 227.479+/-73.486 χ^2/NDF: 45.6/35

All: 174.886+/-51.658 χ^2/NDF: 87.5/73

- sign 123.508+/-72.632 χ^2/NDF: 40.9/37

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 350.843+/-0.063 χ^2/NDF:493656.8/19

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

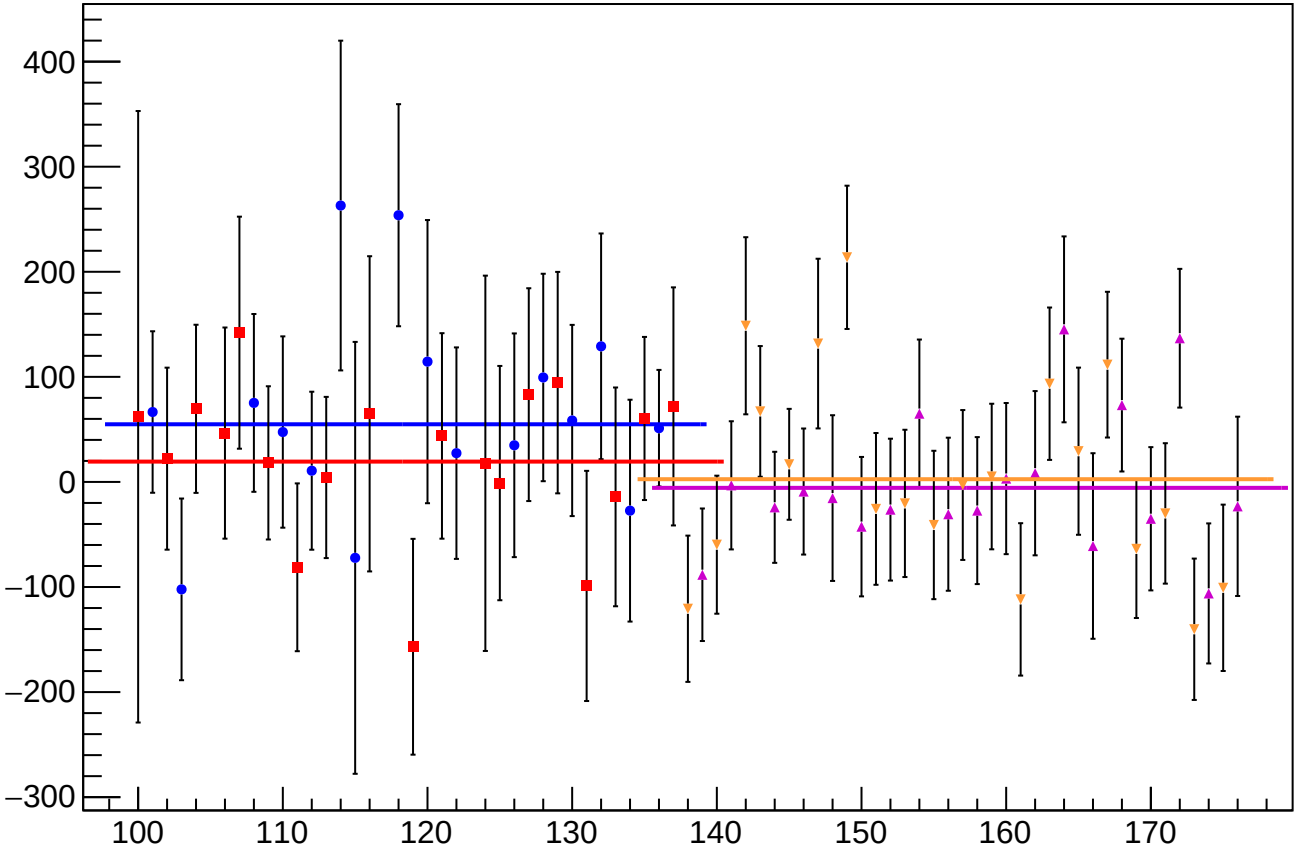
Left In: 351.779+/-0.064 χ^2/NDF:341242.5/18

+ sign 342.912+/-0.052 χ^2/NDF: 2276892.9/35

All: 340.653+/-0.037 χ^2/NDF: 4534443.2/73

- sign 338.446+/-0.051 χ^2/NDF: 2253813.7/37

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 2.600+/-15.527 χ^2/NDF:35.1/19

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

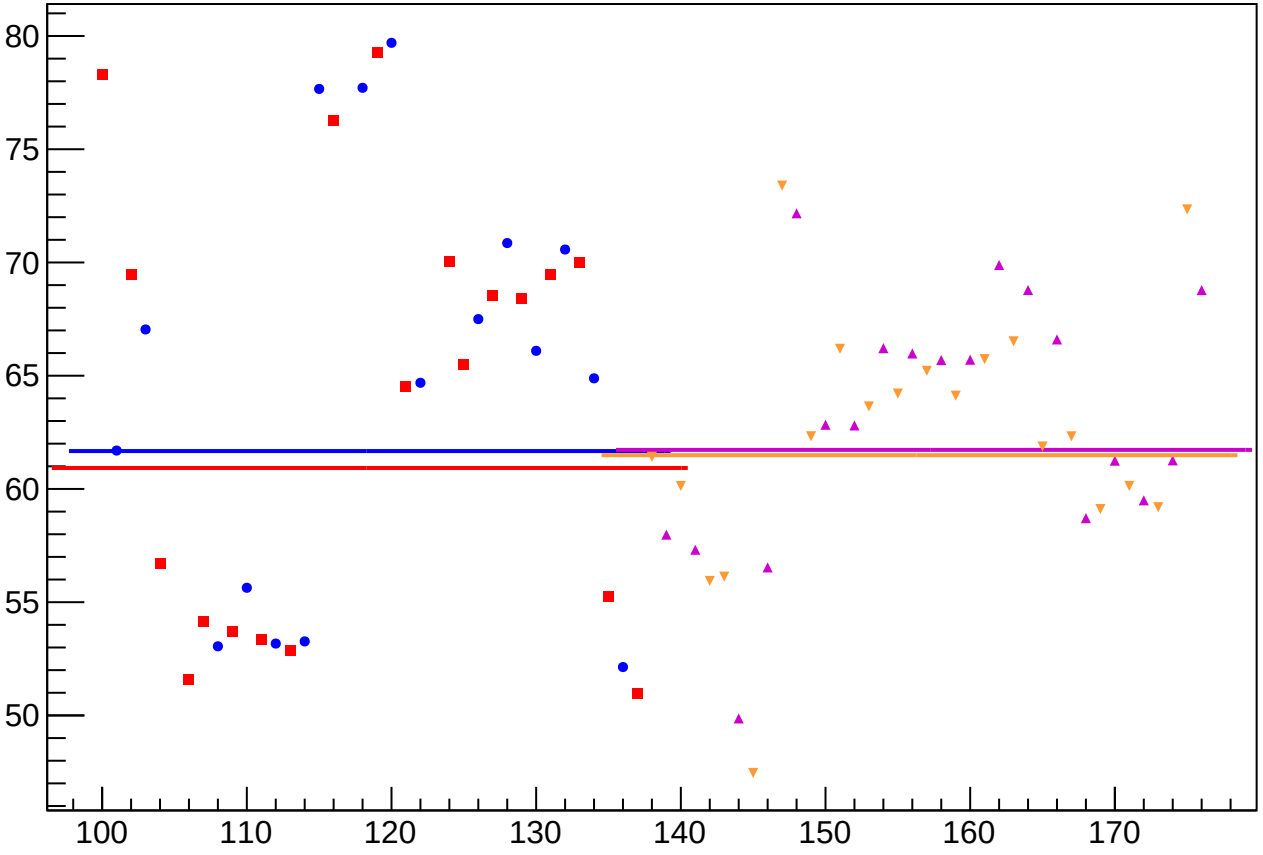
Left In: -5.635+/-15.756 χ^2/NDF:15.5/18

+ sign 18.793+/-12.900 χ^2/NDF: 49.6/35

All: 10.682+/-9.130 χ^2/NDF: 75.9/73

- sign 2.544+/-12.922 χ^2/NDF: 25.5/37

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.491+/-0.011 χ^2/NDF:291341.2/19

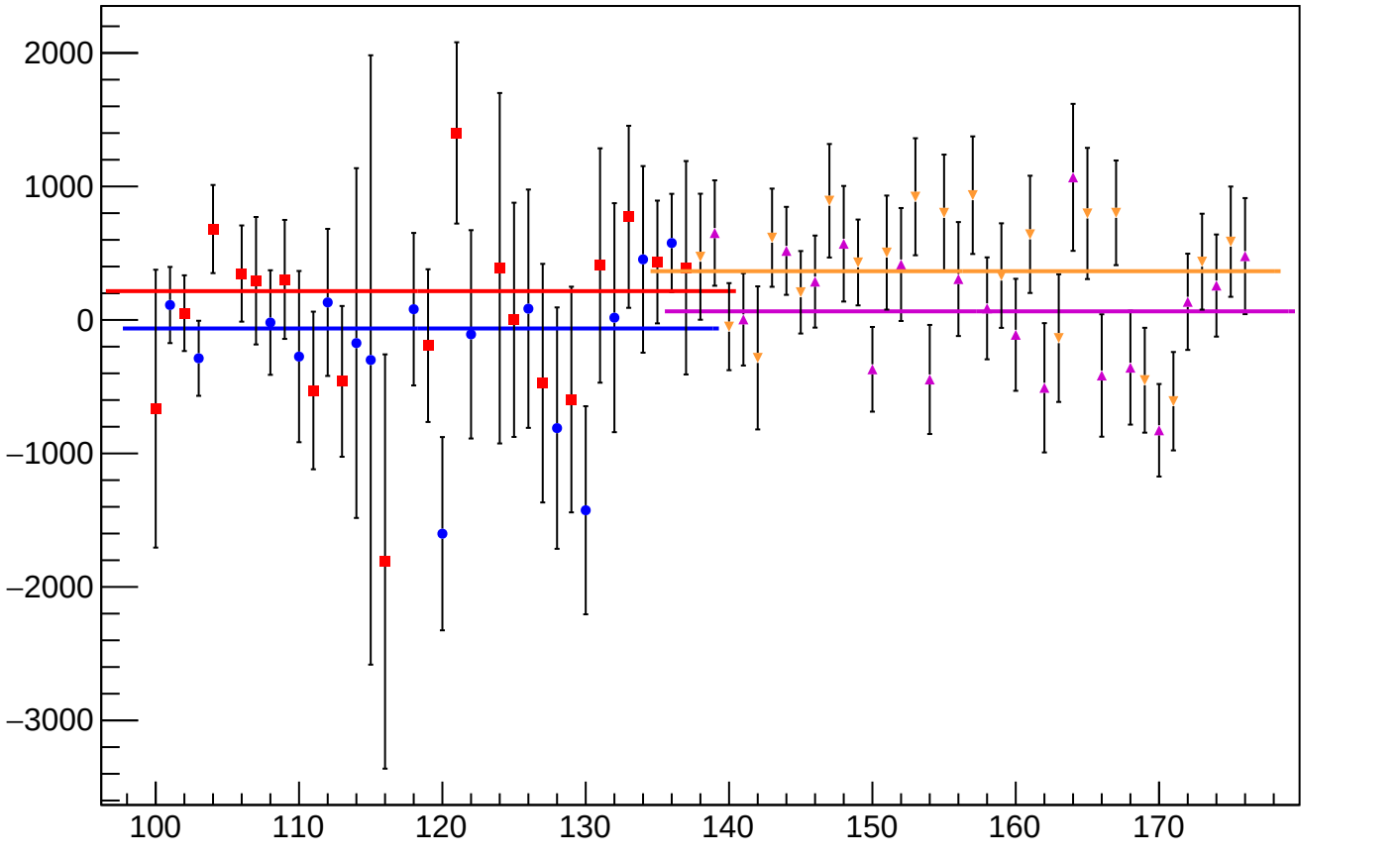
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.725+/-0.011 χ^2/NDF:258163.2/18

+ sign 61.547+/-0.009 χ^2/NDF: 558534.6/35

All: 61.506+/-0.006 χ^2/NDF: 1106006.1/73

- sign 61.464+/-0.009 χ^2/NDF: 547429.6/37



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 365.291+/-89.190 χ^2/NDF:25.0/19

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

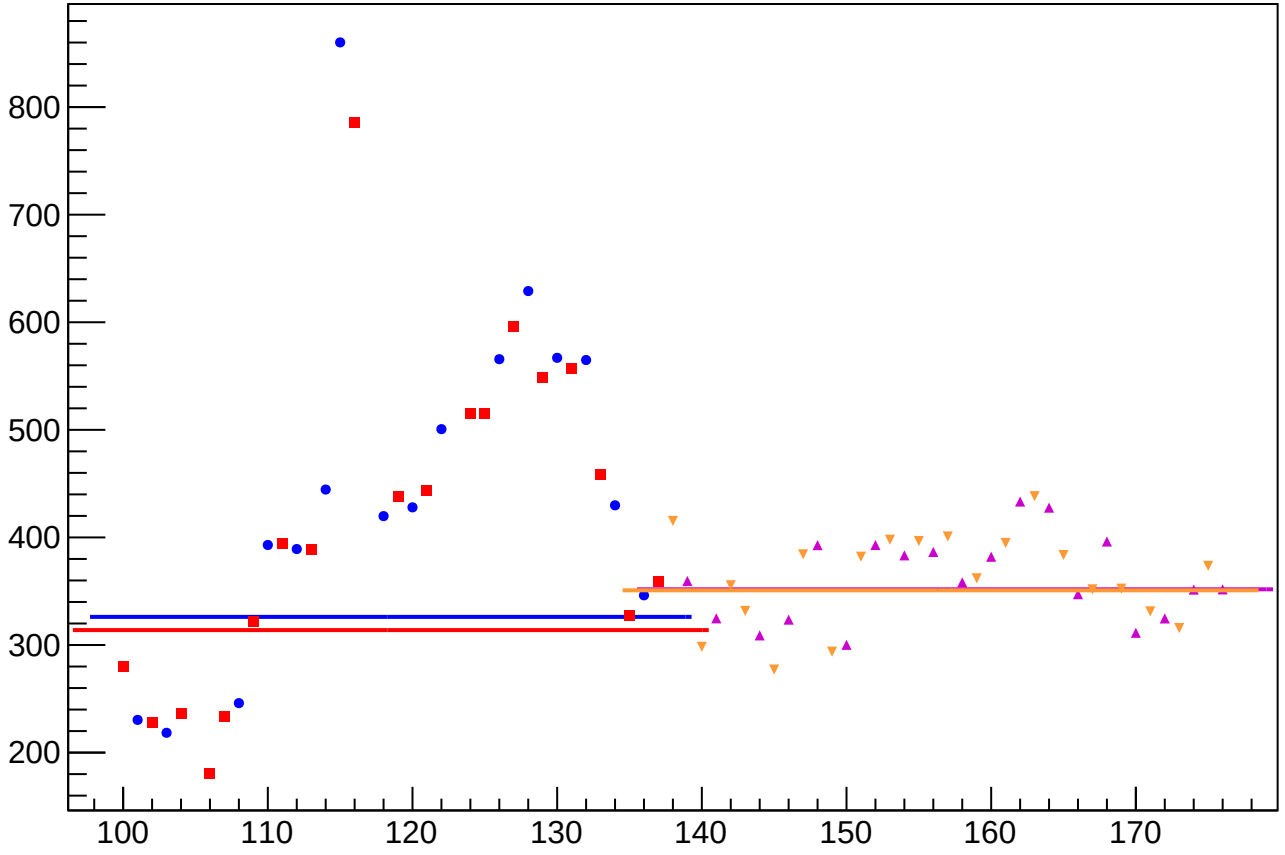
Left In: 64.470+/-90.080 χ^2/NDF:25.1/18

+ sign 227.485+/-73.486 χ^2/NDF: 45.6/35

All: 171.739+/-51.710 χ^2/NDF: 87.0/73

- sign 117.065+/-72.776 χ^2/NDF: 40.2/37

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 350.843+/-0.063 χ^2/NDF:493654.6/19

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

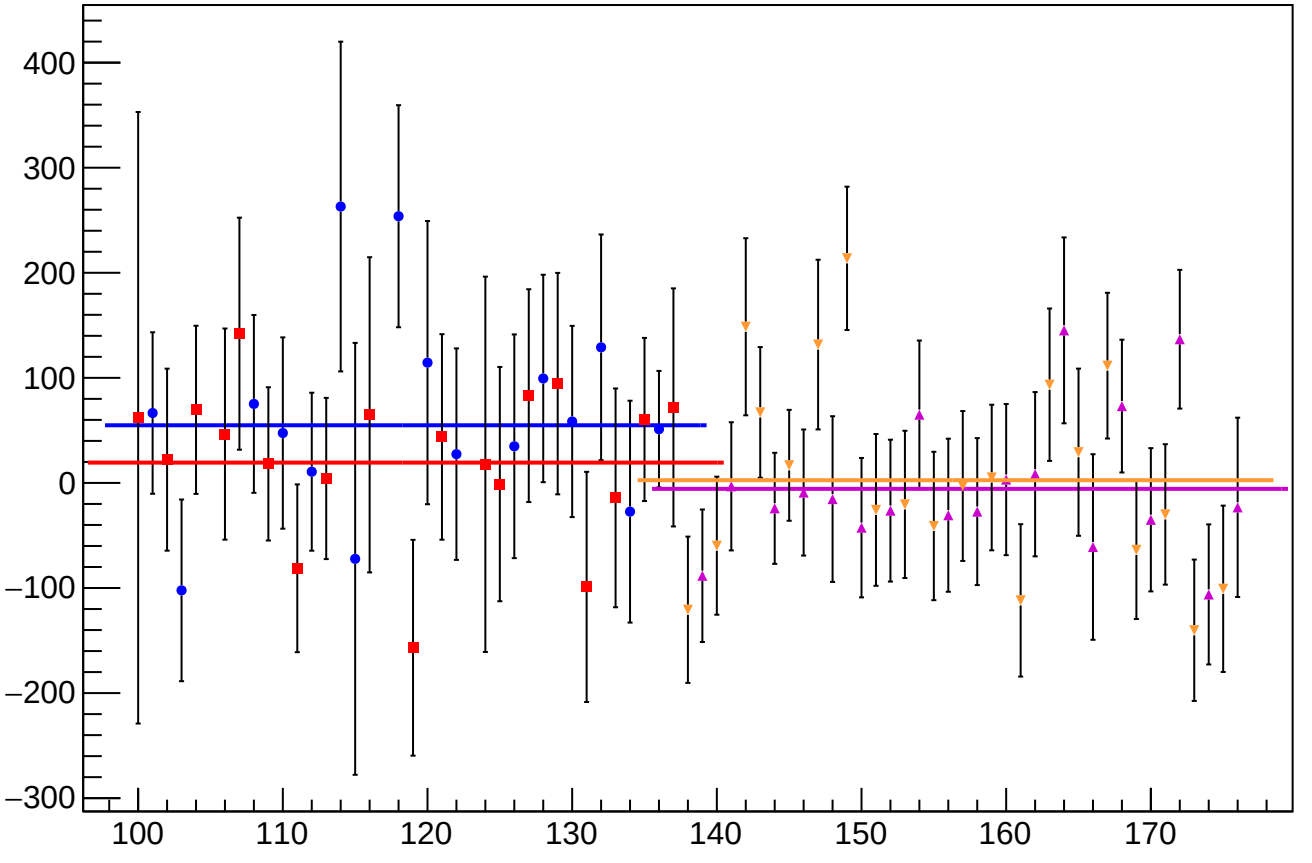
Left In: 351.779+/-0.064 χ^2/NDF:341243.9/18

+ sign 342.913+/-0.052 χ^2/NDF: 2276818.5/35

All: 340.740+/-0.037 χ^2/NDF: 4550375.1/73

- sign 338.610+/-0.051 χ^2/NDF: 2270094.5/37

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 2.600+/-15.527 χ^2/NDF:35.1/19

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

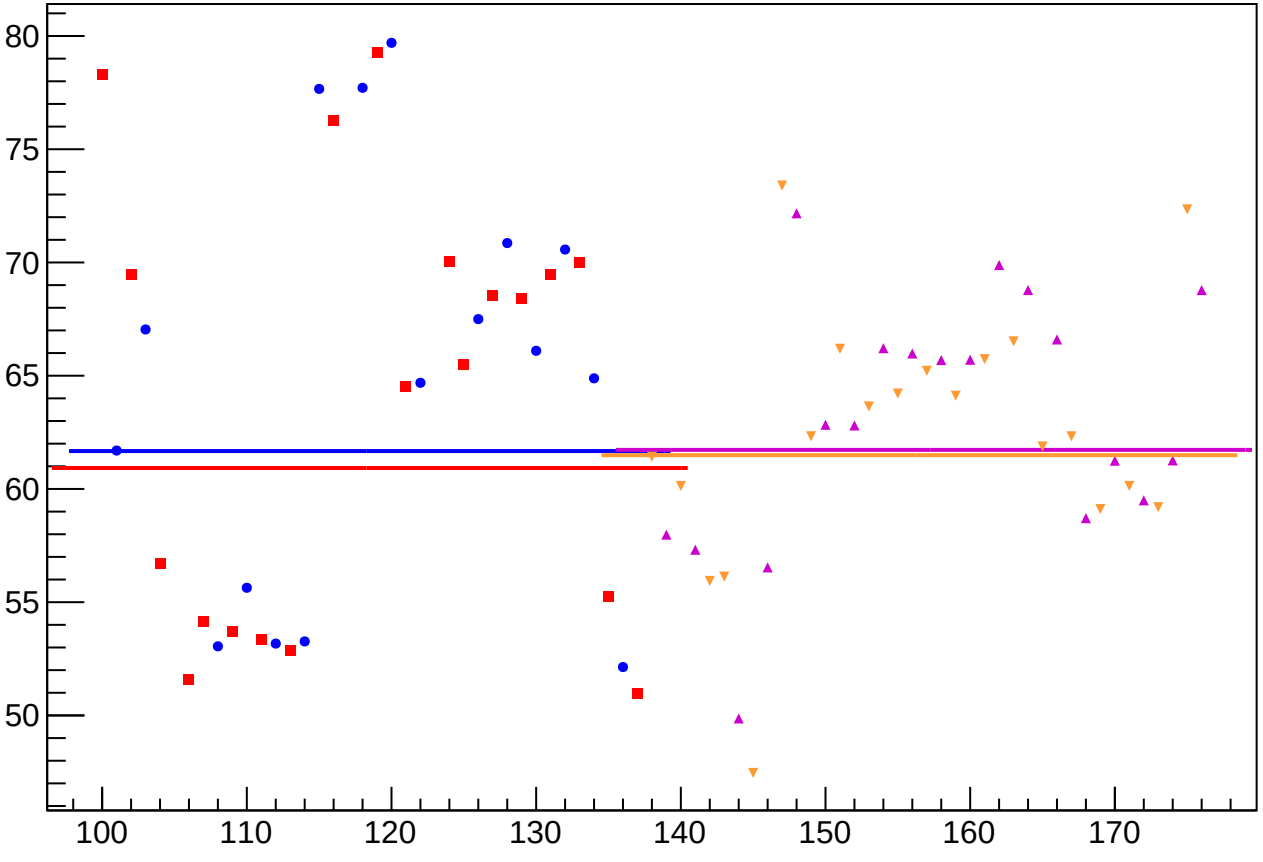
Left In: -5.635+/-15.756 χ^2/NDF:15.5/18

+ sign 18.793+/-12.900 χ^2/NDF: 49.6/35

All: 10.682+/-9.130 χ^2/NDF: 75.9/73

- sign 2.544+/-12.922 χ^2/NDF: 25.5/37

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.491+/-0.011 χ^2/NDF:291341.2/19

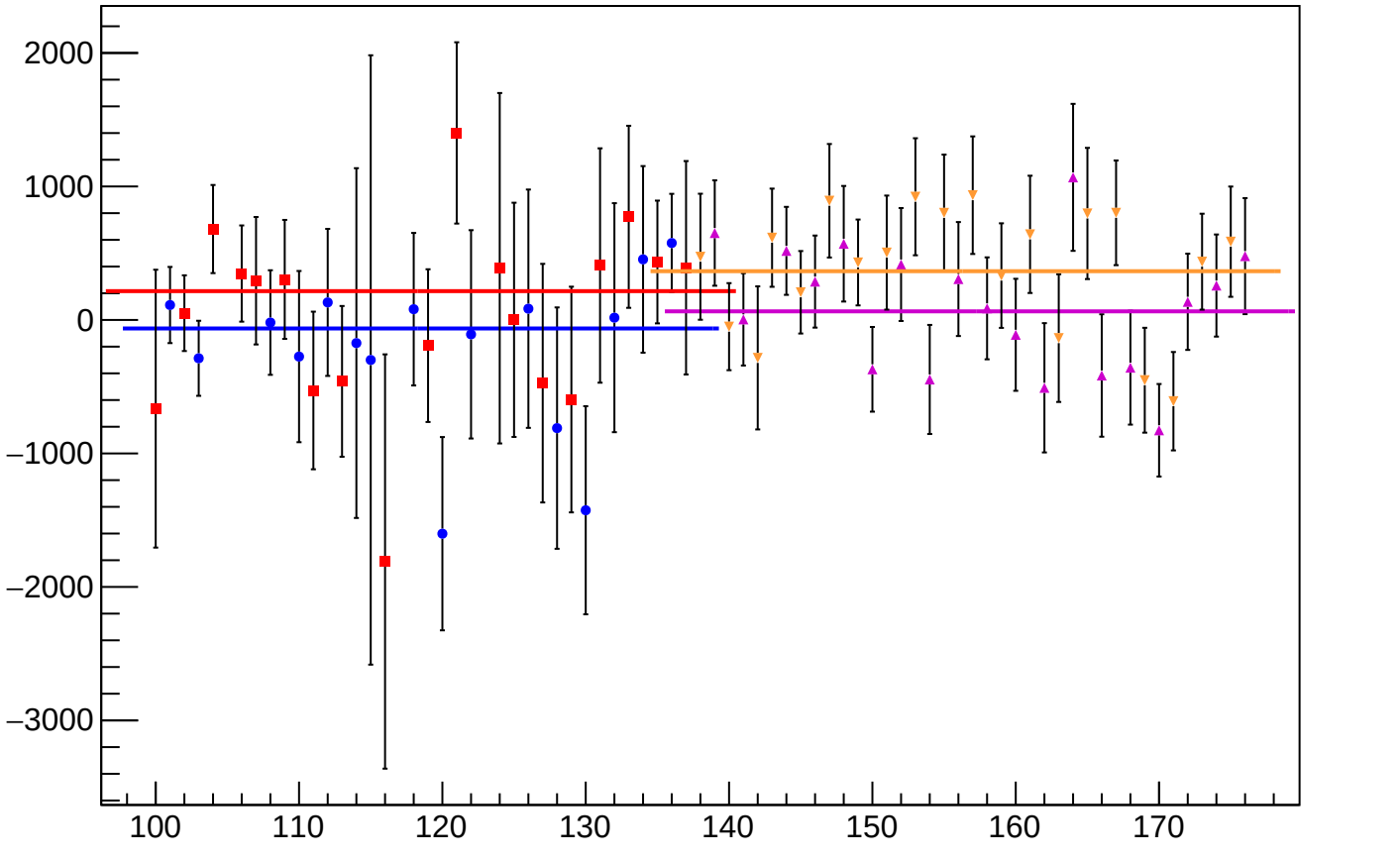
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.725+/-0.011 χ^2/NDF:258163.2/18

\+ sign 61.547+/-0.009 χ^2/NDF: 558534.6/35

All: 61.506+/-0.006 χ^2/NDF: 1106006.1/73

\- sign 61.464+/-0.009 χ^2/NDF: 547429.6/37



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 365.291+/-89.190 χ^2/NDF:25.0/19

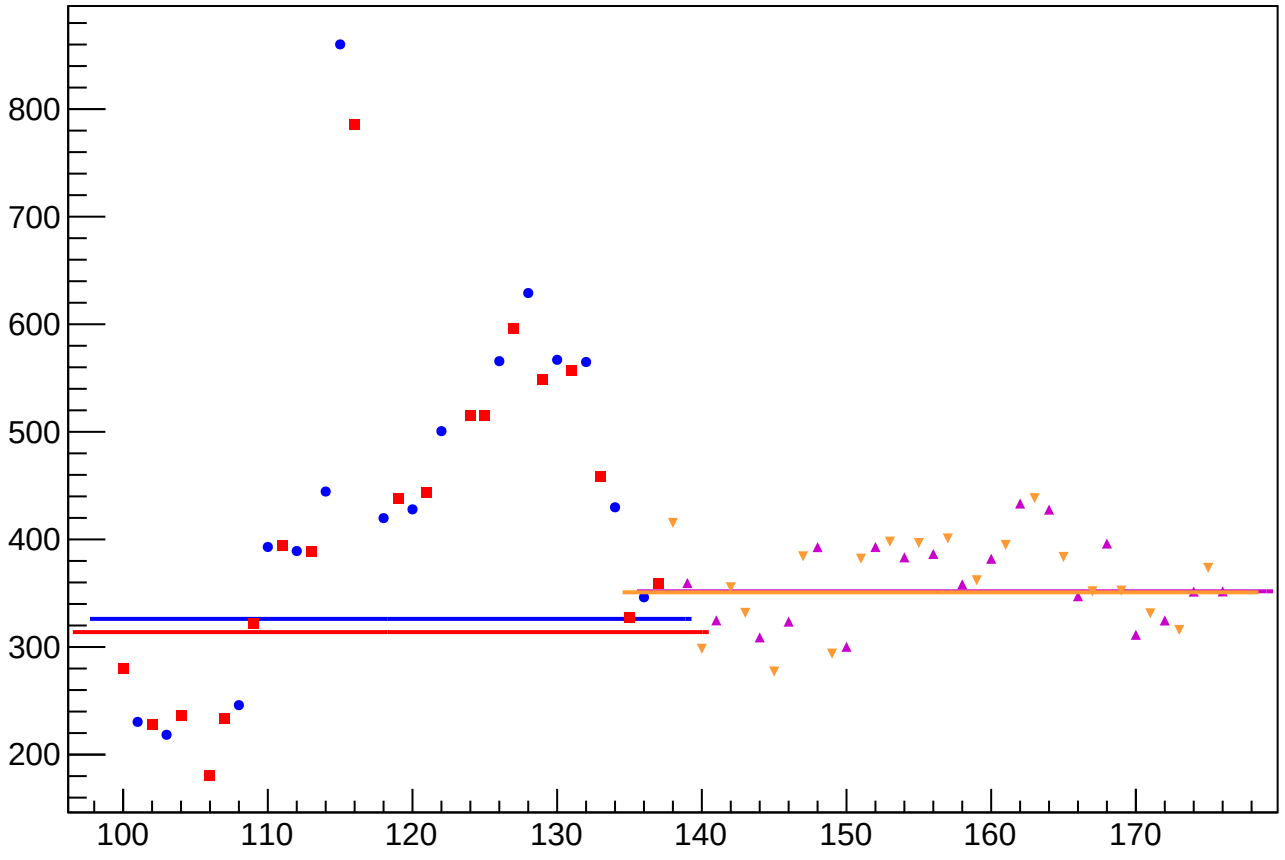
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 64.470+/-90.080 χ^2/NDF:25.1/18

+ sign 227.485+/-73.486 χ^2/NDF: 45.6/35

All: 171.739+/-51.710 χ^2/NDF: 87.0/73

- sign 117.065+/-72.776 χ^2/NDF: 40.2/37



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 350.843+/-0.063 χ^2/NDF:493654.6/19

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

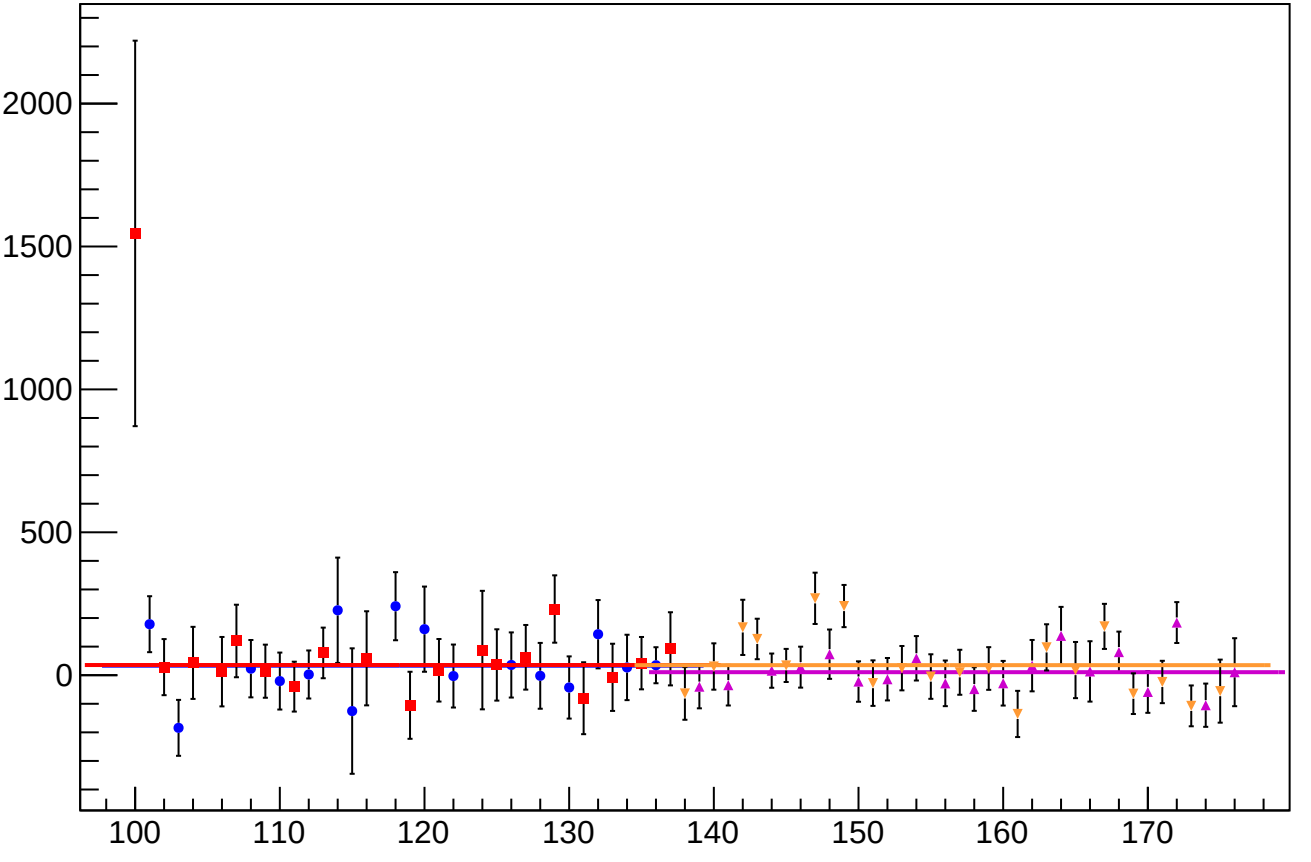
Left In: 351.779+/-0.064 χ^2/NDF:341243.9/18

+ sign 342.913+/-0.052 χ^2/NDF: 2276818.5/35

All: 340.740+/-0.037 χ^2/NDF: 4550375.1/73

- sign 338.610+/-0.051 χ^2/NDF: 2270094.5/37

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 35.129+/-17.569 χ^2/NDF:35.7/19

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

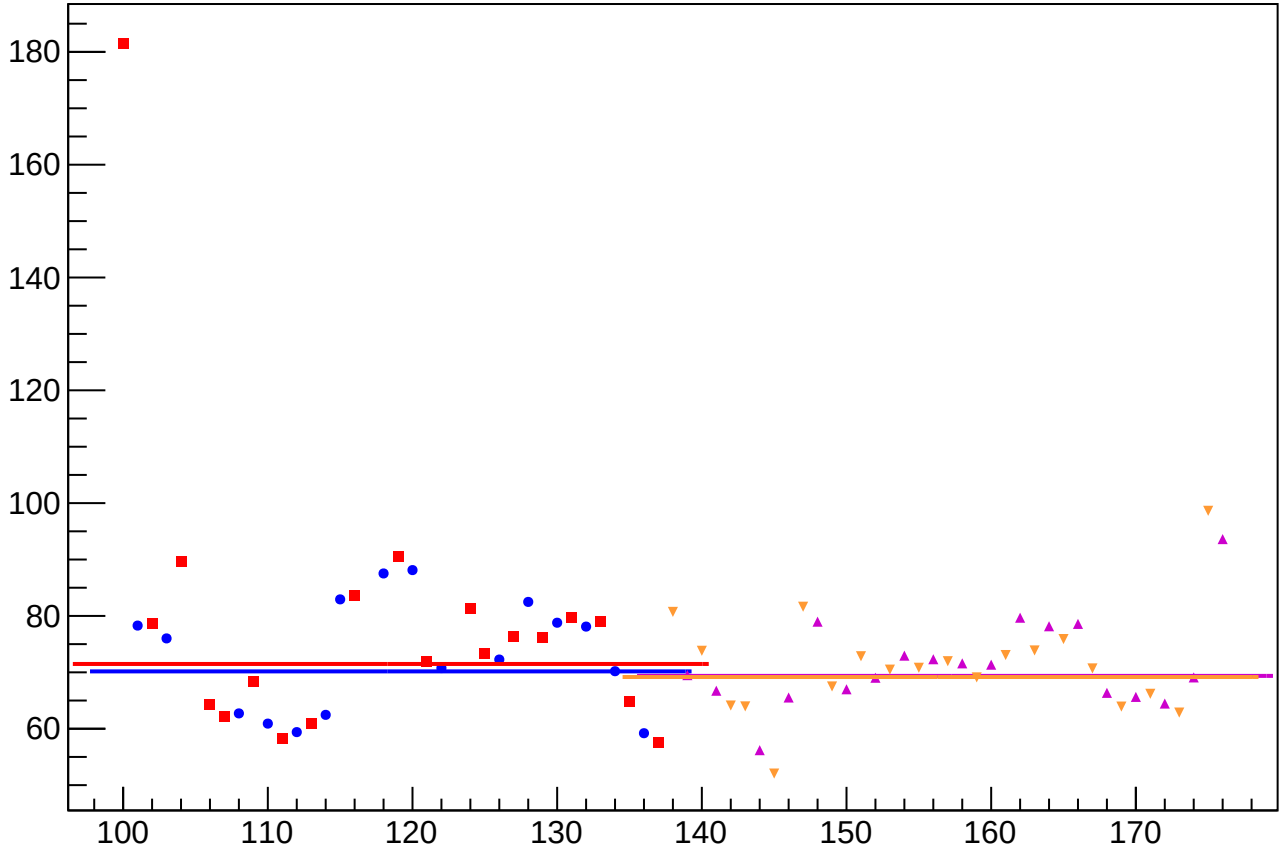
Left In: 10.545+/-17.811 χ^2/NDF:15.0/18

+ sign 34.598+/-14.629 χ^2/NDF: 50.2/35

All: 26.547+/-10.400 χ^2/NDF: 78.5/73

- sign 18.319+/-14.789 χ^2/NDF: 27.7/37

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 69.169+/-0.012 χ^2/NDF:470776.2/19

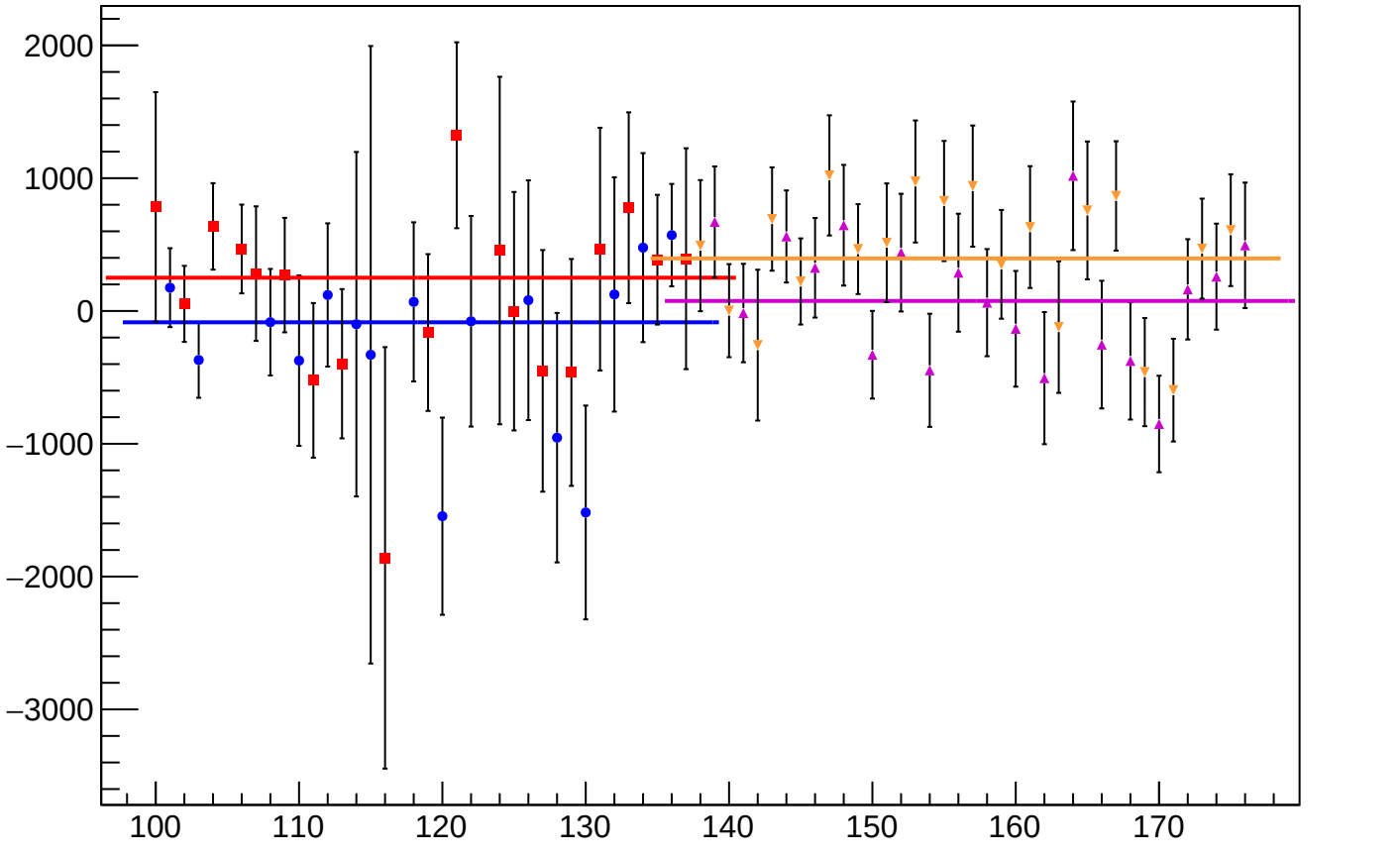
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 69.369+/-0.013 χ^2/NDF:300260.1/18

+ sign 69.475+/-0.010 χ^2/NDF: 742006.6/35

All: 69.748+/-0.007 χ^2/NDF: 1378131.9/73

- sign 70.026+/-0.010 χ^2/NDF: 634723.9/37



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 395.868+/-93.537 χ^2/NDF:23.9/19

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

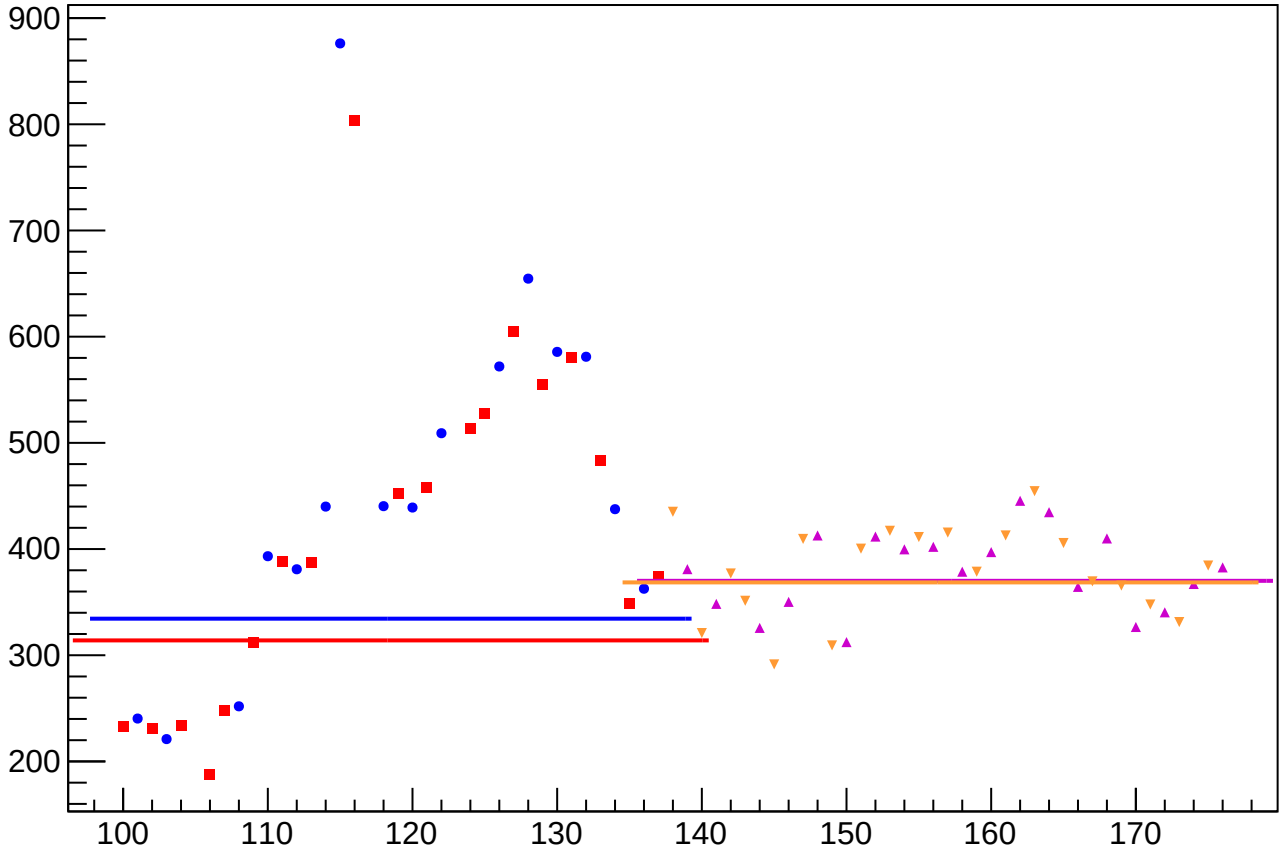
Left In: 75.703+/-94.679 χ^2/NDF:23.5/18

+ sign 236.475+/-76.487 χ^2/NDF: 46.3/35

All: 187.614+/-53.585 χ^2/NDF: 84.4/73

- sign 140.516+/-75.094 χ^2/NDF: 37.2/37

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 368.595+/-0.066 χ^2/NDF:458939.8/19

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

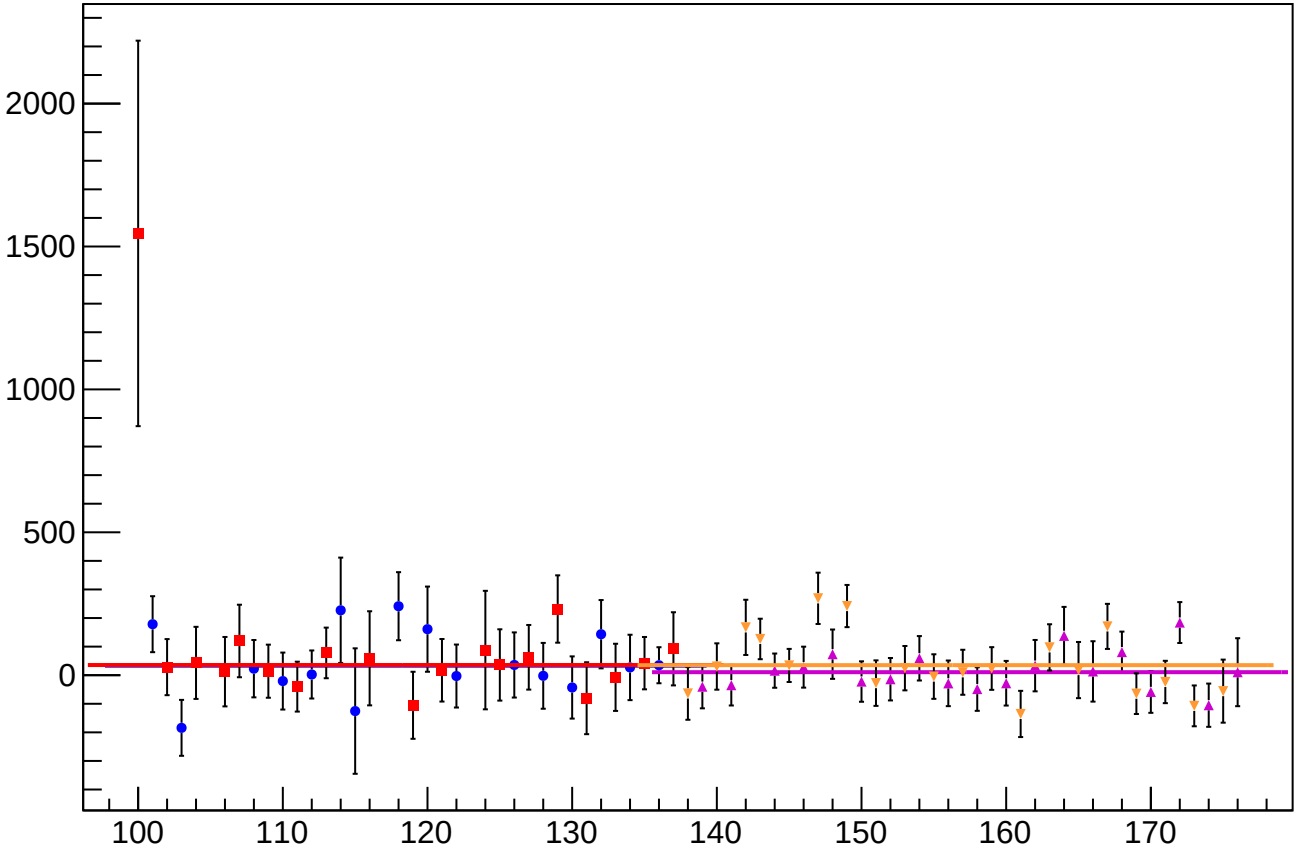
Left In: 370.071+/-0.067 χ^2/NDF:303395.2/18

+ sign 357.275+/-0.054 χ^2/NDF: 2277952.8/35

All: 353.195+/-0.038 χ^2/NDF: 4757580.7/73

- sign 349.263+/-0.053 χ^2/NDF: 2468453.9/37

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 35.128+/-17.569 χ^2/NDF:35.7/19

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

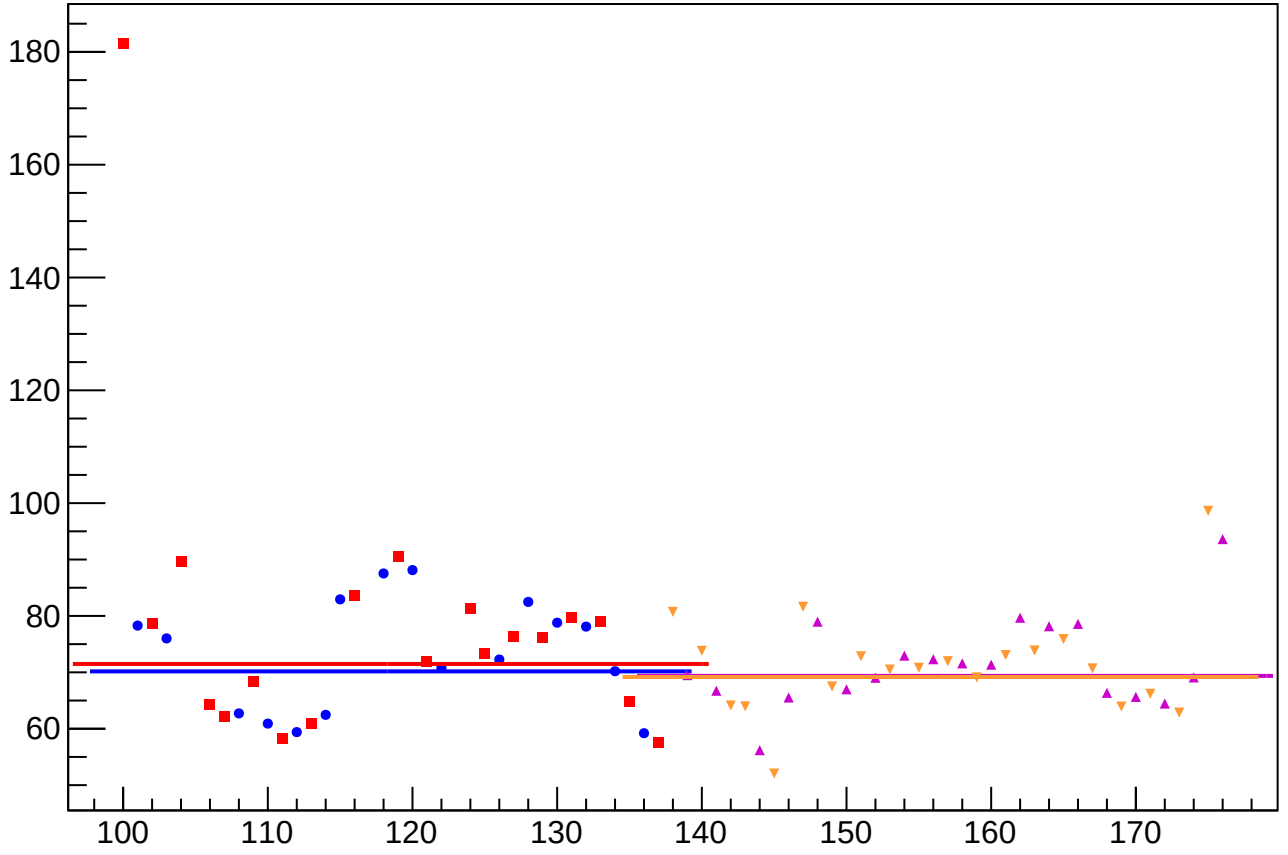
Left In: 10.544+/-17.811 χ^2/NDF:15.0/18

+ sign 34.597+/-14.629 χ^2/NDF: 50.2/35

All: 26.546+/-10.400 χ^2/NDF: 78.5/73

- sign 18.319+/-14.789 χ^2/NDF: 27.7/37

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 69.169+/-0.012 χ^2/NDF:470782.5/19

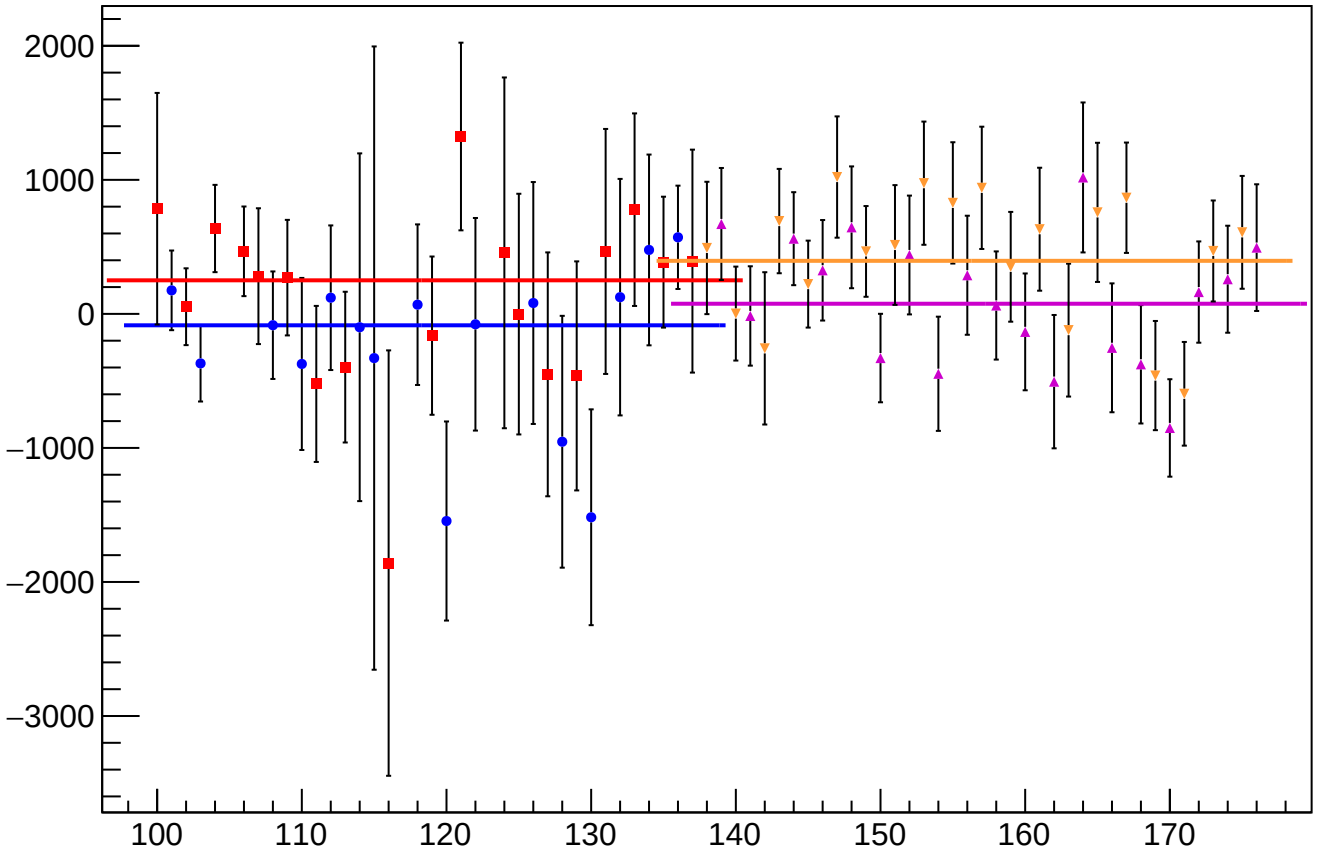
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.369+/-0.013 χ^2/NDF:300259.4/18

+ sign 69.475+/-0.010 χ^2/NDF: 742016.6/35

All: 69.748+/-0.007 χ^2/NDF: 1378148.6/73

- sign 70.026+/-0.010 χ^2/NDF: 634730.7/37



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 395.867+/-93.537 χ^2/NDF:23.9/19

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

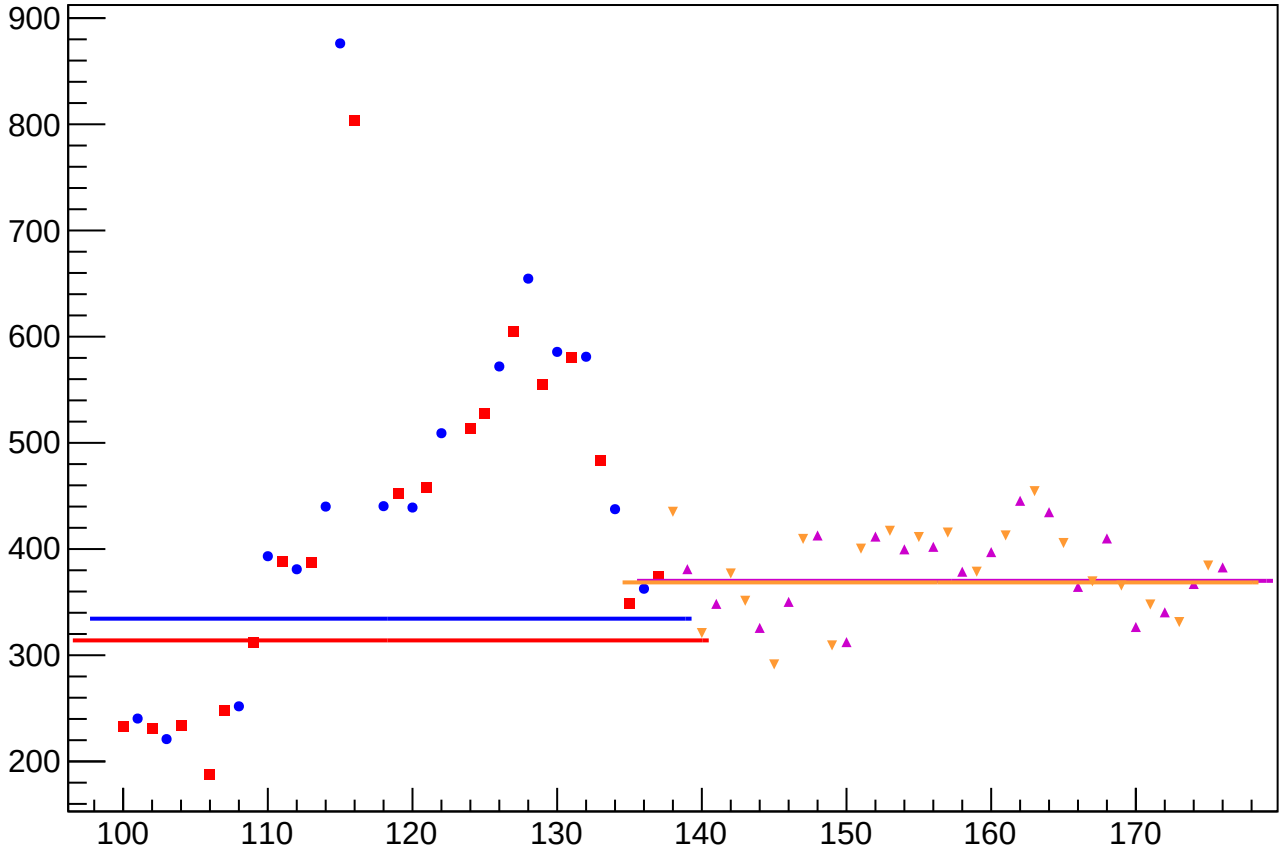
Left In: 75.702+/-94.679 χ^2/NDF:23.5/18

+ sign 236.474+/-76.487 χ^2/NDF: 46.3/35

All: 187.613+/-53.585 χ^2/NDF: 84.4/73

- sign 140.515+/-75.094 χ^2/NDF: 37.2/37

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: 368.594+/-0.066 χ^2/NDF:458943.5/19

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

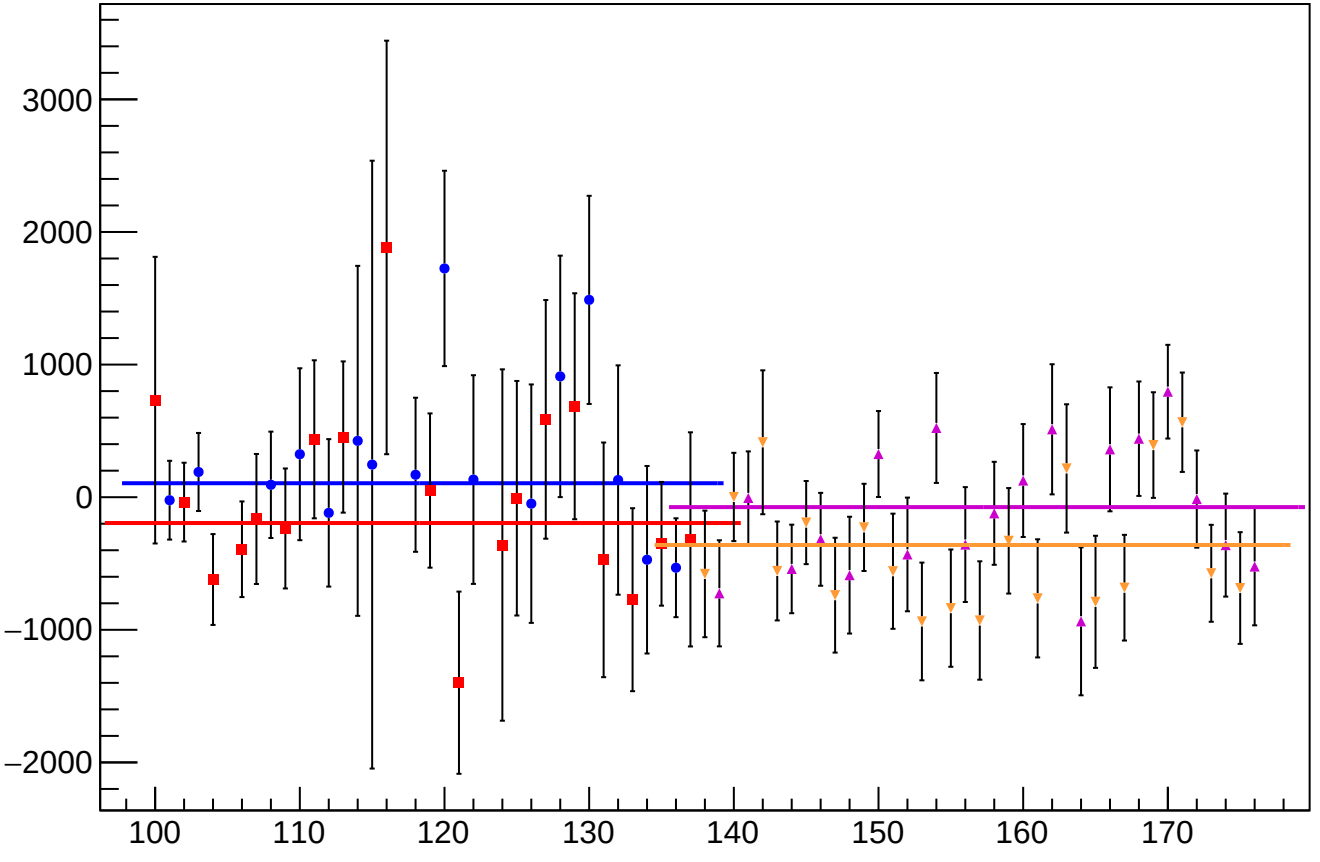
Left In: 370.071+/-0.067 χ^2/NDF:303395.3/18

+ sign 357.275+/-0.054 χ^2/NDF: 2277953.1/35

All: 353.195+/-0.038 χ^2/NDF: 4757577.8/73

- sign 349.263+/-0.053 χ^2/NDF: 2468450.5/37

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -360.430+/-90.620 χ^2/NDF:23.9/19

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

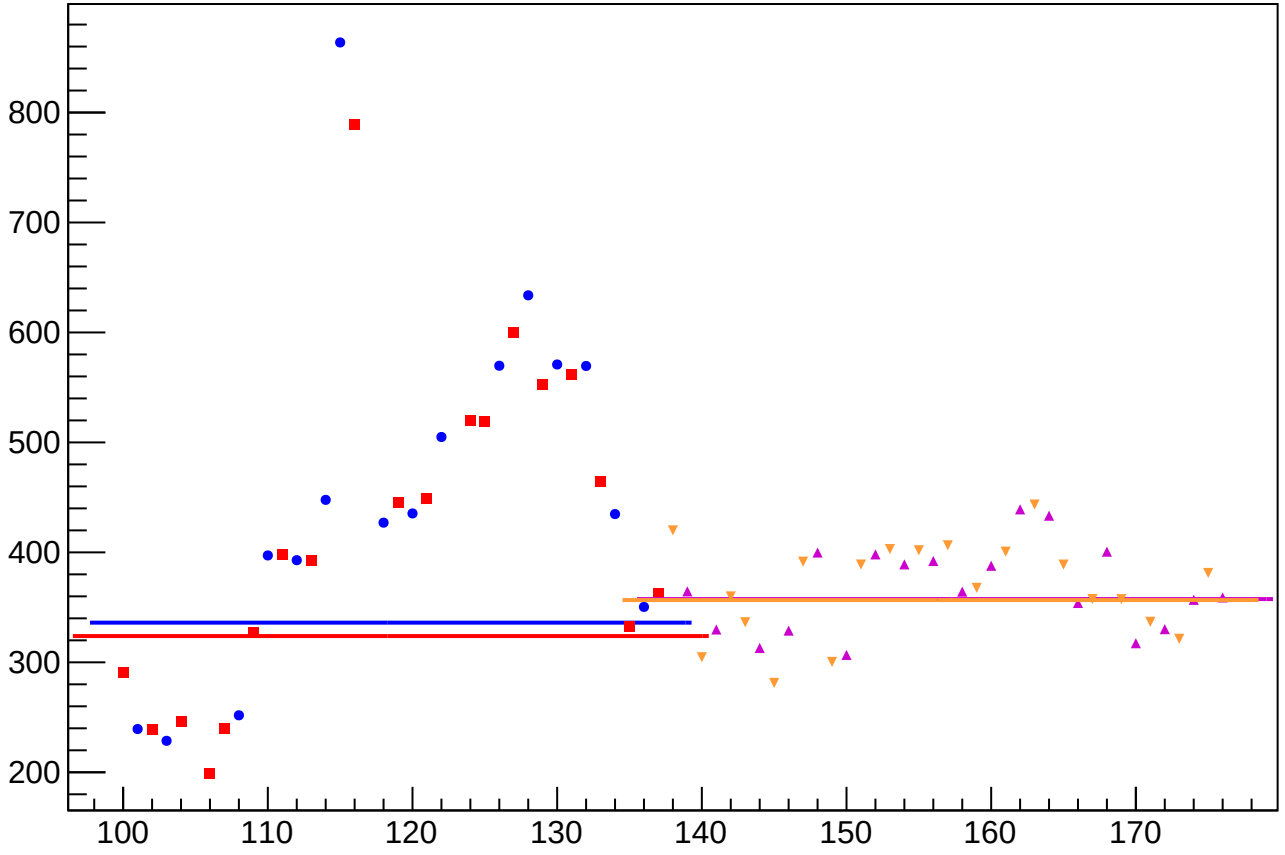
Left In: -74.696+/-91.524 χ^2/NDF:25.2/18

+ sign -212.809+/-74.897 χ^2/NDF: 45.2/35

All: -163.912+/-52.673 χ^2/NDF: 85.0/73

- sign -116.064+/-74.091 χ^2/NDF: 38.9/37

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 356.628+/-0.064 χ^2/NDF:480797.5/19

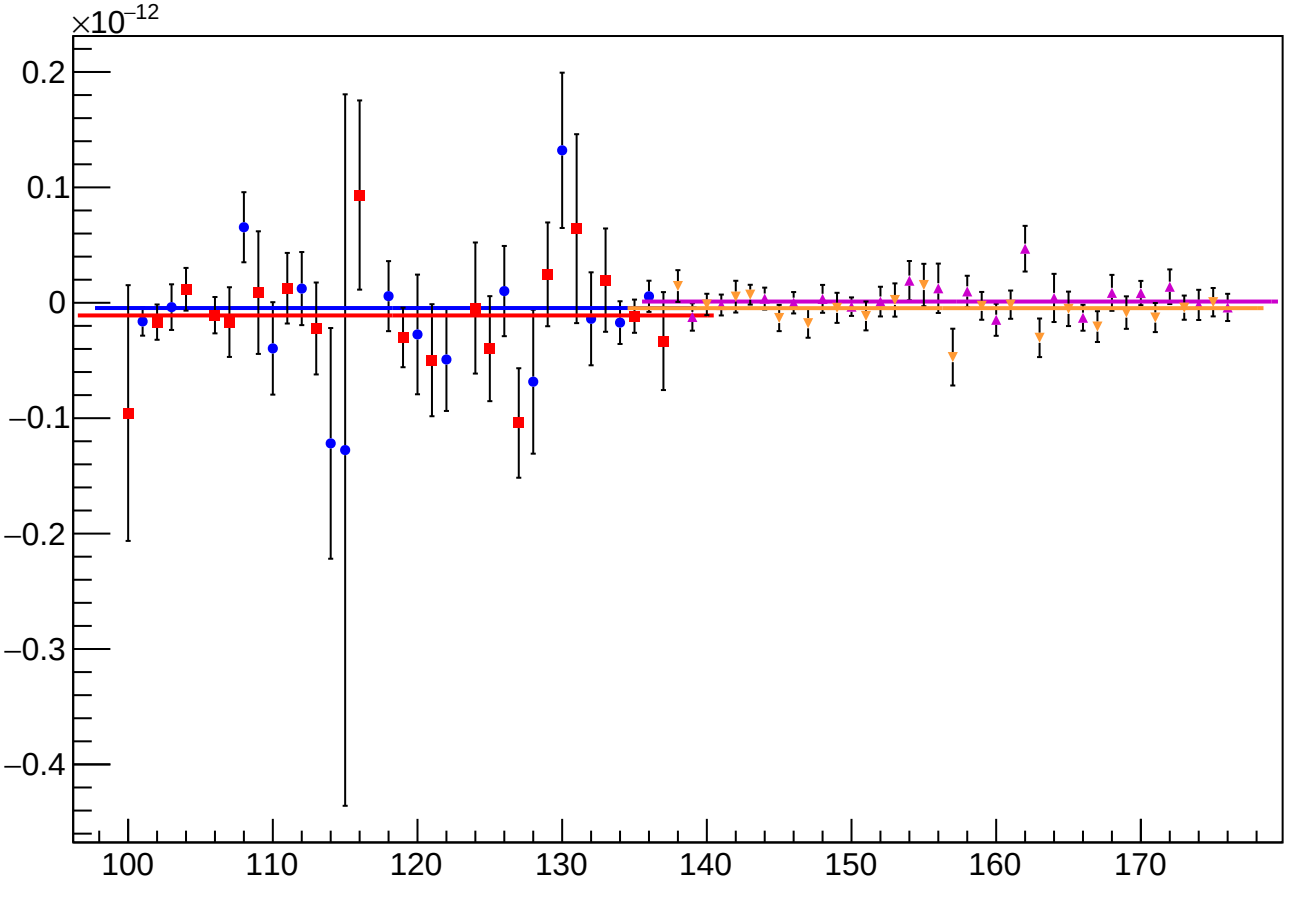
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 357.525+/-0.065 χ^2/NDF:331777.8/18

\+ sign 350.120+/-0.053 χ^2/NDF: 2132343.9/35

All: 348.002+/-0.037 χ^2/NDF: 4225835.2/73

\- sign 345.930+/-0.052 χ^2/NDF: 2090328.2/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

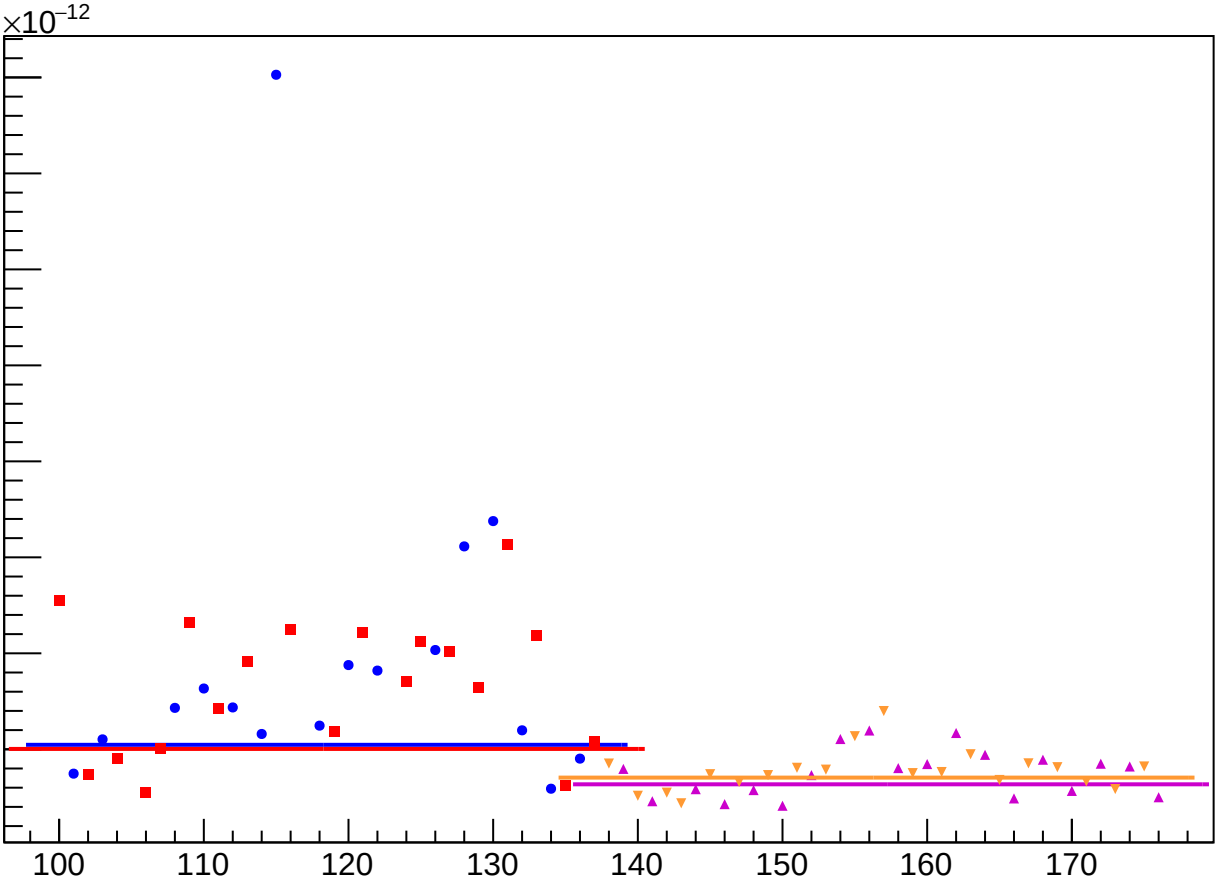
Left In: 0.000+/-0.000 χ^2/NDF:13.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 31.8/35

All: -0.000+/-0.000 χ^2/NDF: 61.8/73

- sign -0.000+/-0.000 χ^2/NDF: 28.9/37

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:753841.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

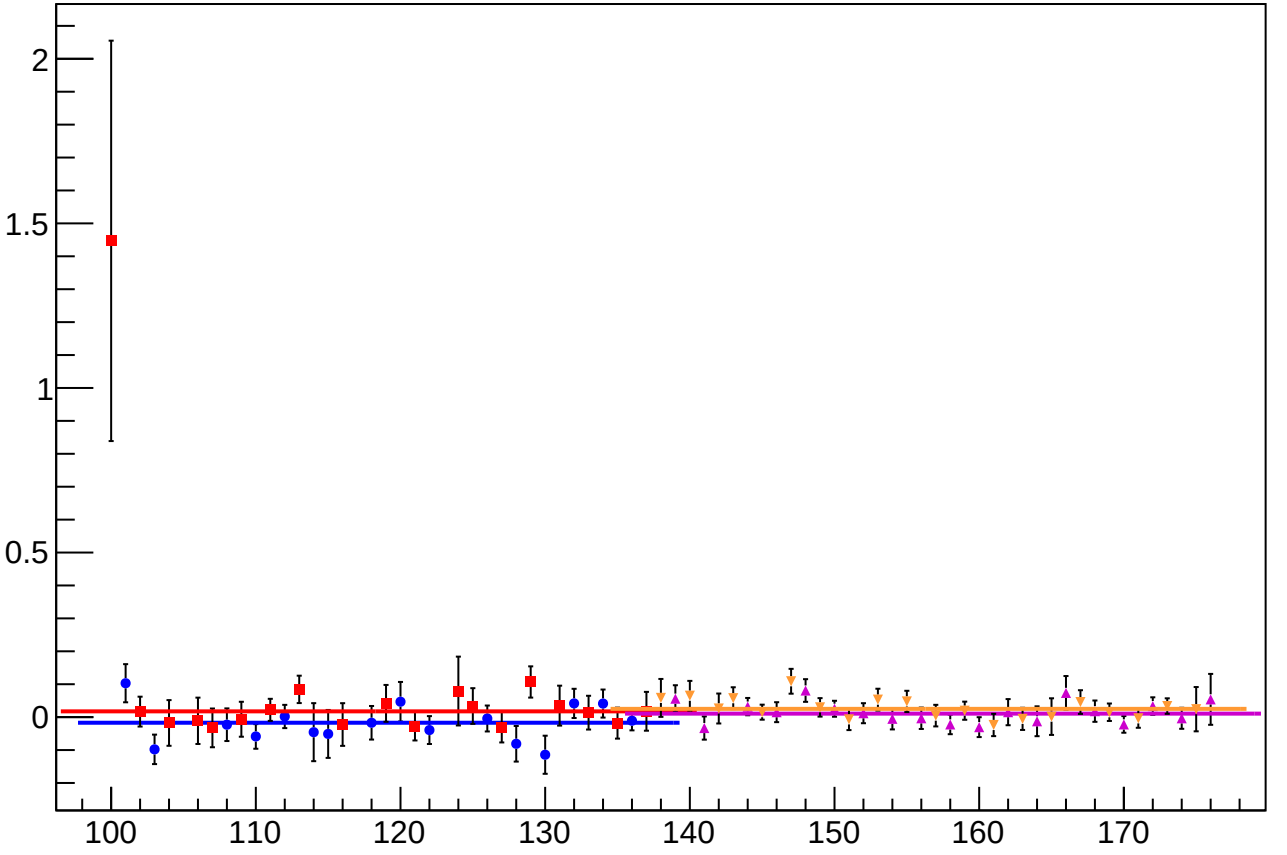
Left In: 0.000+/-0.000 χ^2/NDF:1150071.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 2409216.1/35

All: 0.000+/-0.000 χ^2/NDF: 5599444.3/73

- sign 0.000+/-0.000 χ^2/NDF: 3122567.9/37

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: 0.025+/-0.007 χ^2/NDF:14.5/19

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

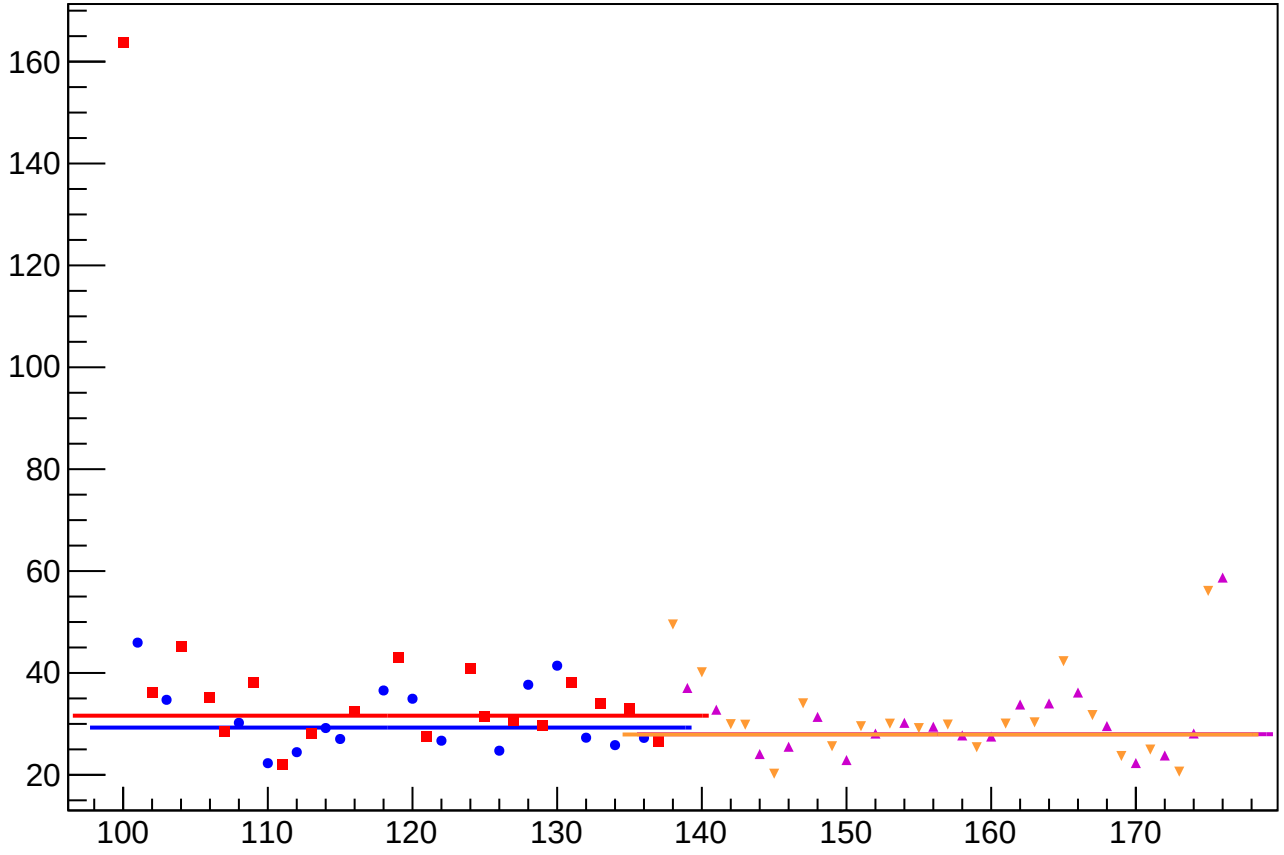
Left In: 0.011+/-0.007 χ^2/NDF:16.2/18

\+ sign 0.013+/-0.006 χ^2/NDF: 43.1/35

All: 0.013+/-0.004 χ^2/NDF: 76.4/73

\- sign 0.013+/-0.006 χ^2/NDF: 33.3/37

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: 27.923+/-0.005 χ^2/NDF:1561110.7/19

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

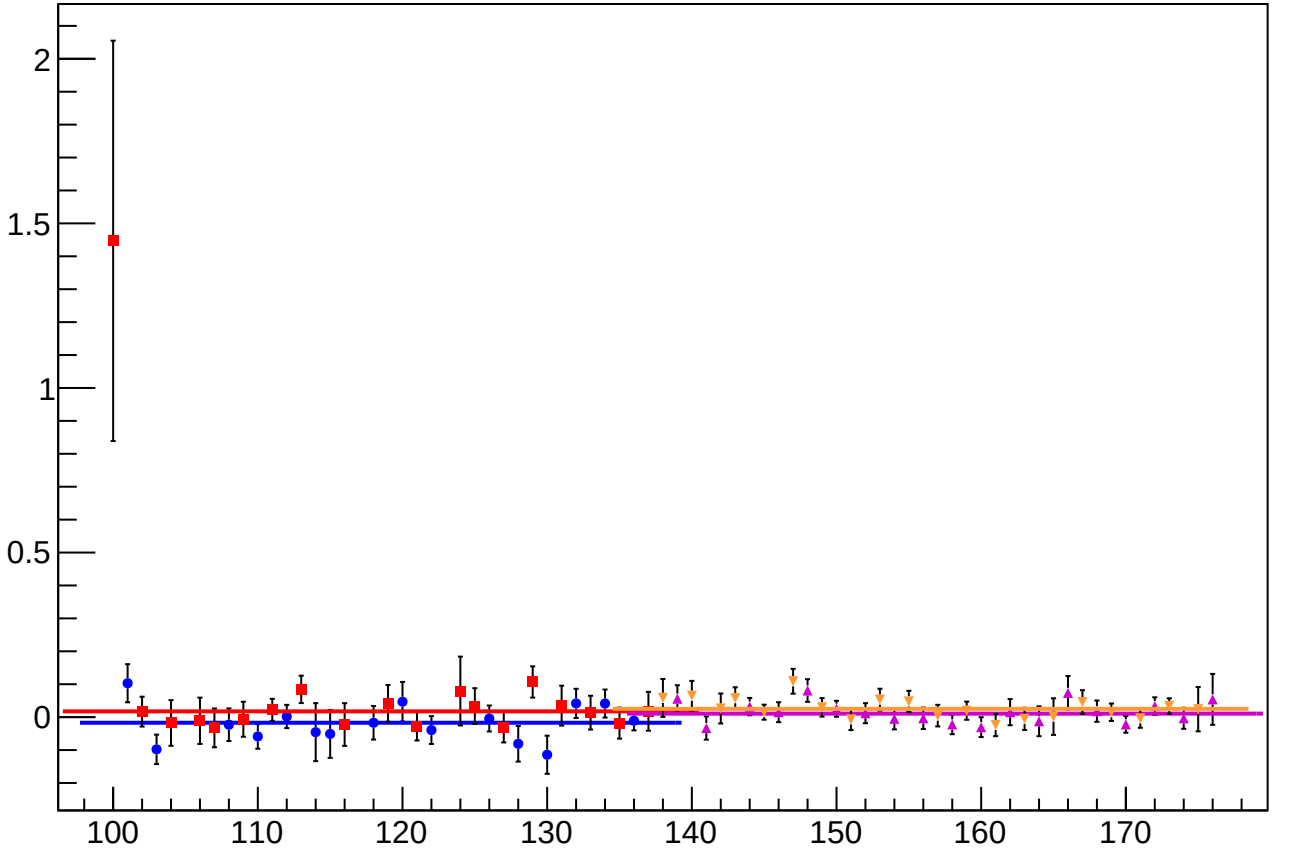
Left In: 27.979+/-0.005 χ^2/NDF:914105.3/18

+ sign 28.322+/-0.004 χ^2/NDF: 2141911.4/35

All: 28.637+/-0.003 χ^2/NDF: 3770298.4/73

- sign 28.968+/-0.004 χ^2/NDF: 1617641.5/37

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

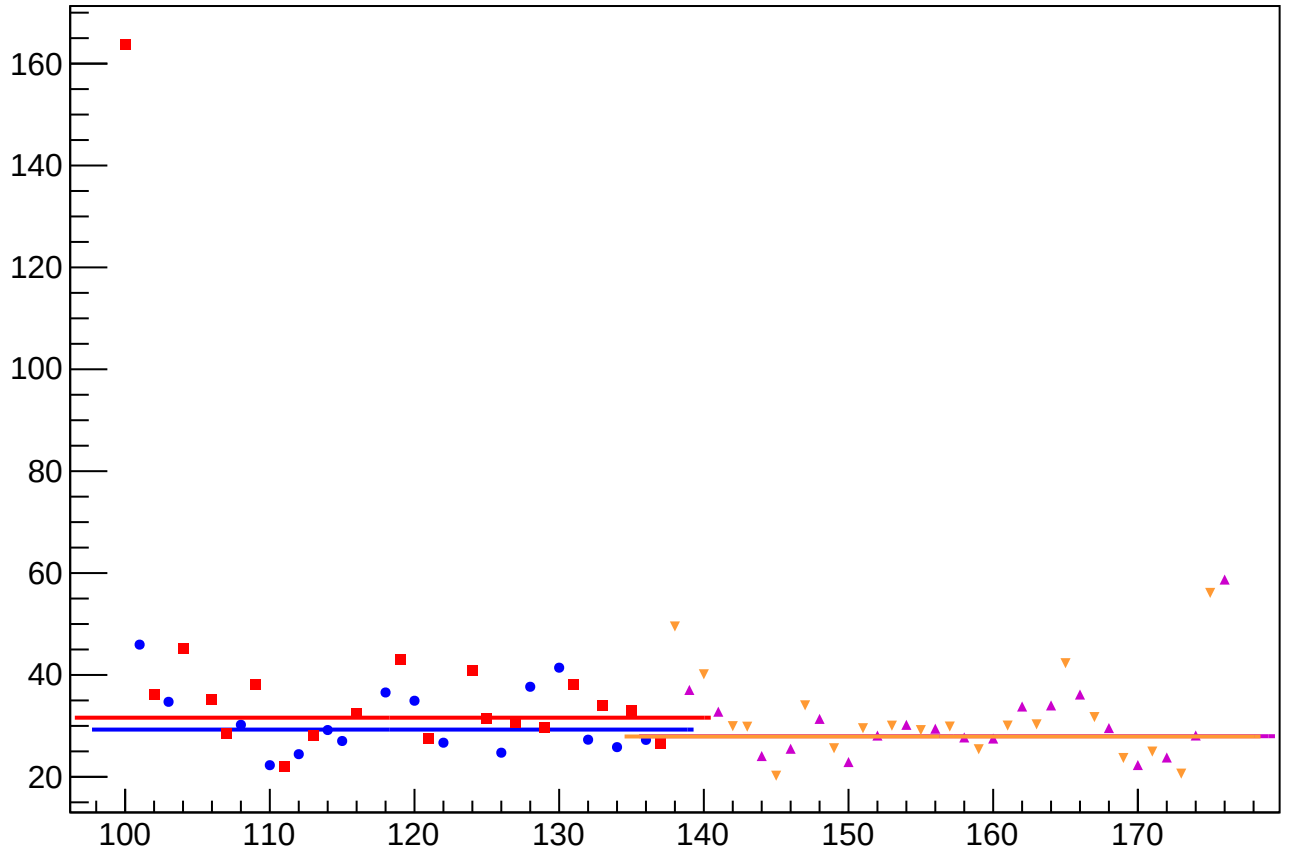
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:16.2/18

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/35

All: 0.013+/-0.004 χ^2/NDF: 76.4/73

- sign 0.013+/-0.006 χ^2/NDF: 33.3/37



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 27.923+/-0.005 χ^2/NDF:1561110.7/19

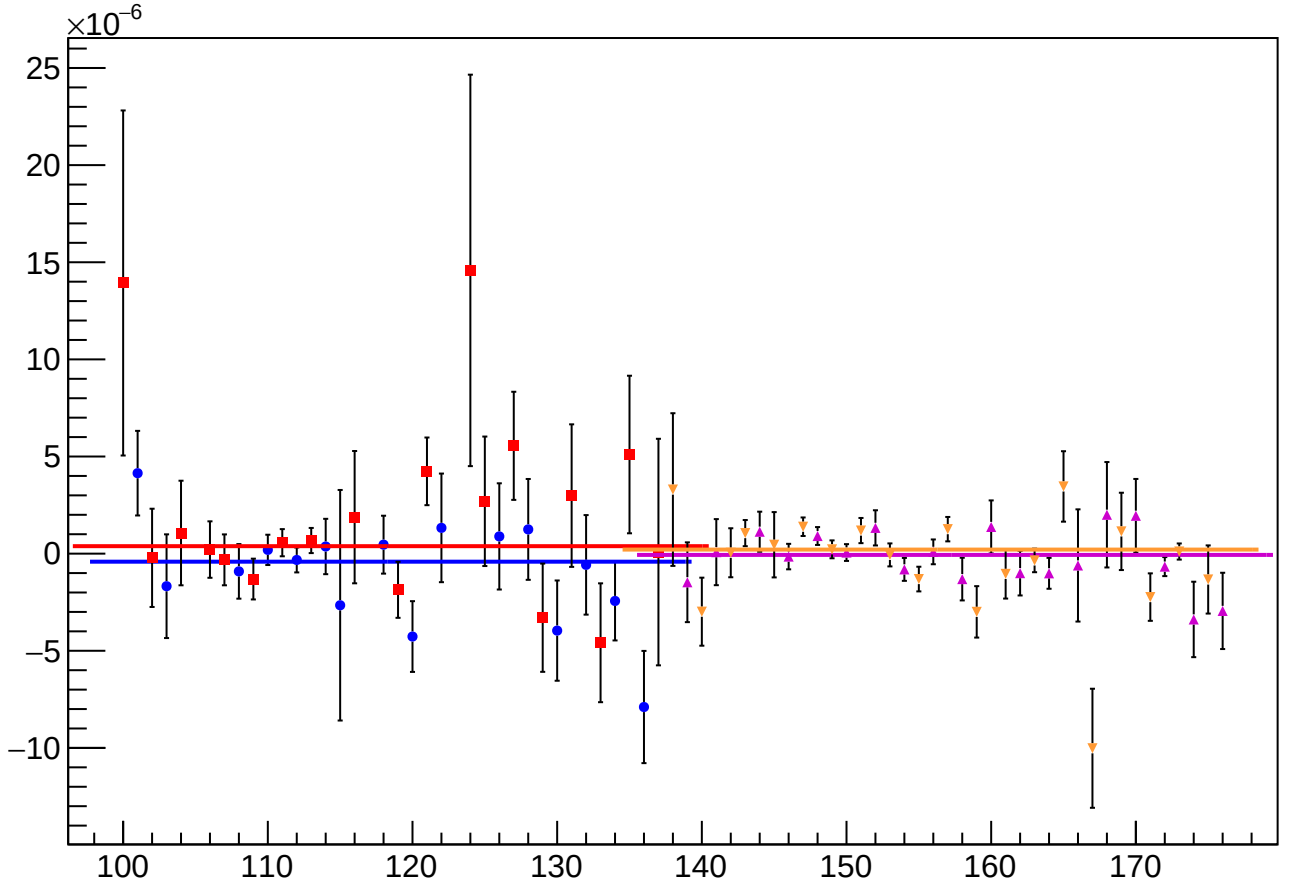
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.979+/-0.005 χ^2/NDF:914105.3/18

+ sign 28.322+/-0.004 χ^2/NDF: 2141911.4/35

All: 28.637+/-0.003 χ^2/NDF: 3770298.4/73

- sign 28.968+/-0.004 χ^2/NDF: 1617641.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.8/19

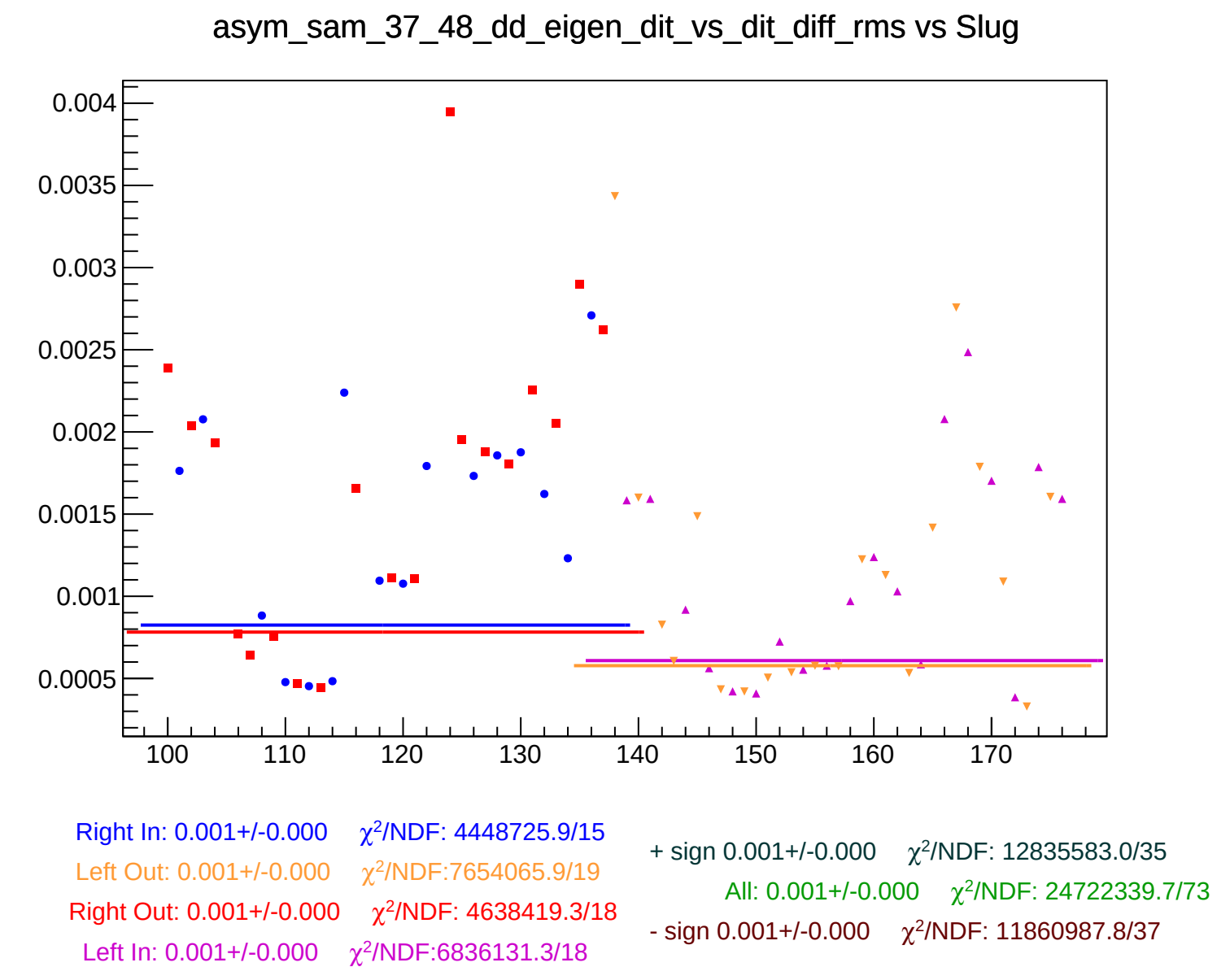
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

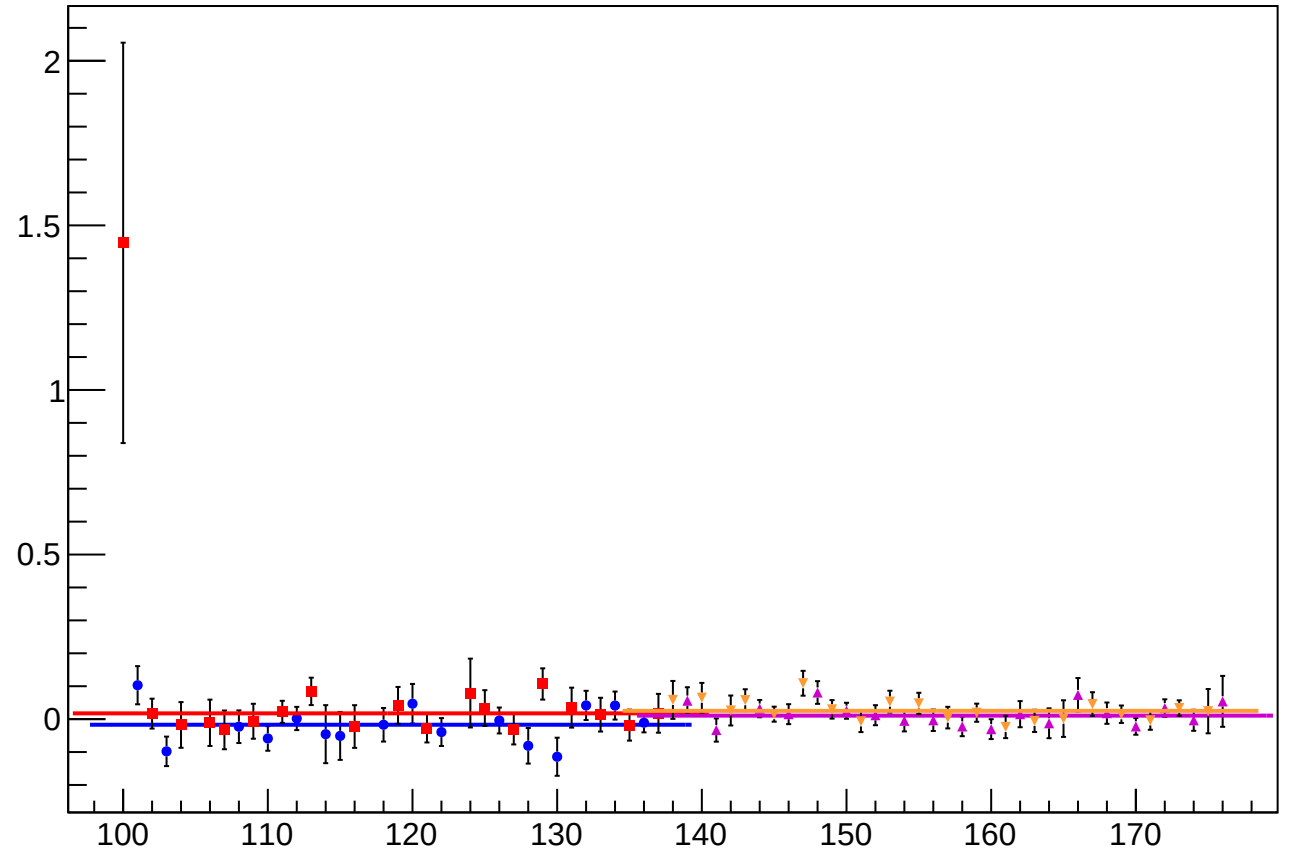
Left In: -0.000+/-0.000 χ^2/NDF:23.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 73.3/35

All: 0.000+/-0.000 χ^2/NDF: 123.3/73

- sign 0.000+/-0.000 χ^2/NDF: 49.8/37


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
160
170
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:7654065.9/19
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:6836131.3/18
+ sign 0.001+/-0.000 χ²/NDF: 12835583.0/35
All: 0.001+/-0.000 χ²/NDF: 24722339.7/73
- sign 0.001+/-0.000 χ²/NDF: 11860987.8/37



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

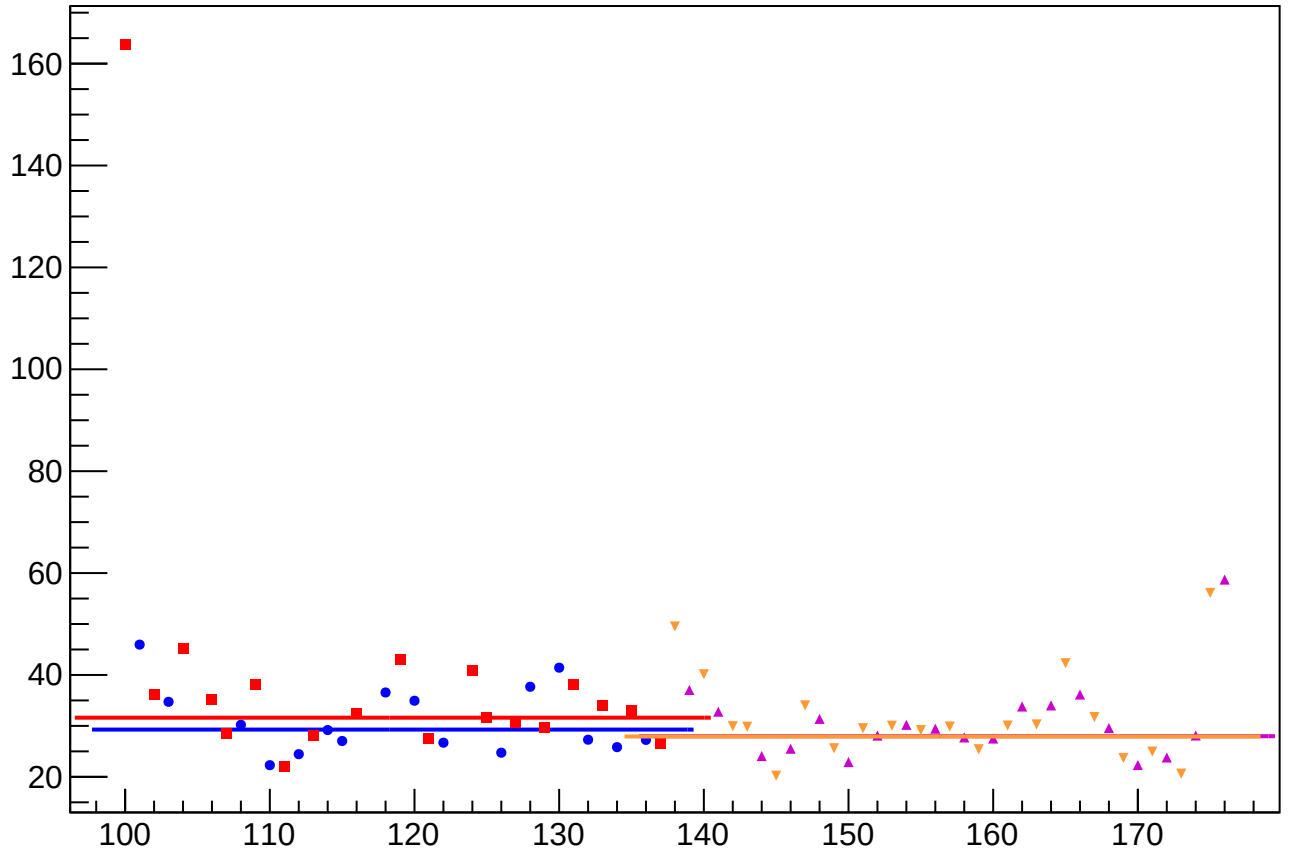
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:16.2/18

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/35

All: 0.013+/-0.004 χ^2/NDF: 76.4/73

- sign 0.013+/-0.006 χ^2/NDF: 33.3/37



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 27.923+/-0.005 χ^2/NDF:1561167.6/19

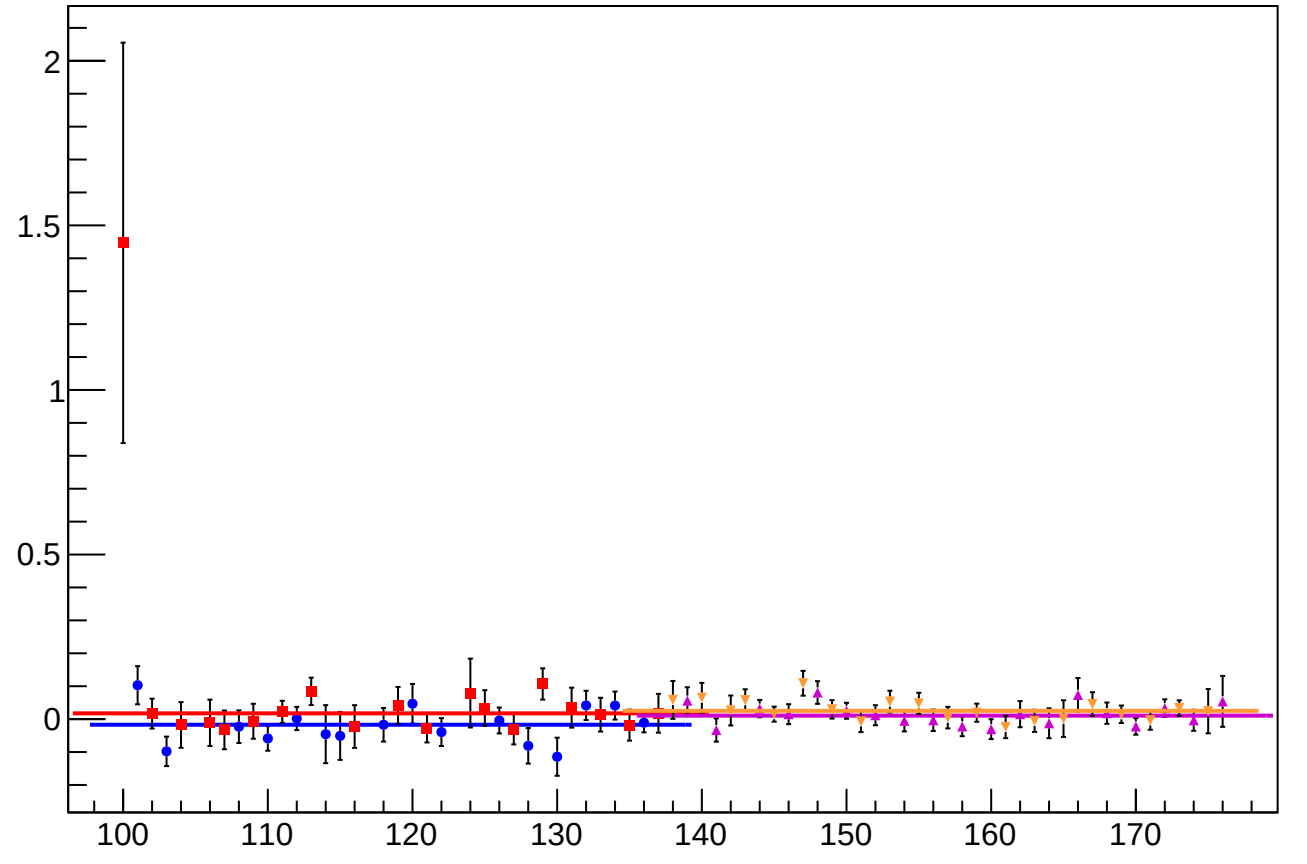
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.979+/-0.005 χ^2/NDF:914081.8/18

+ sign 28.322+/-0.004 χ^2/NDF: 2141977.5/35

All: 28.636+/-0.003 χ^2/NDF: 3770369.8/73

- sign 28.968+/-0.004 χ^2/NDF: 1617645.5/37



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

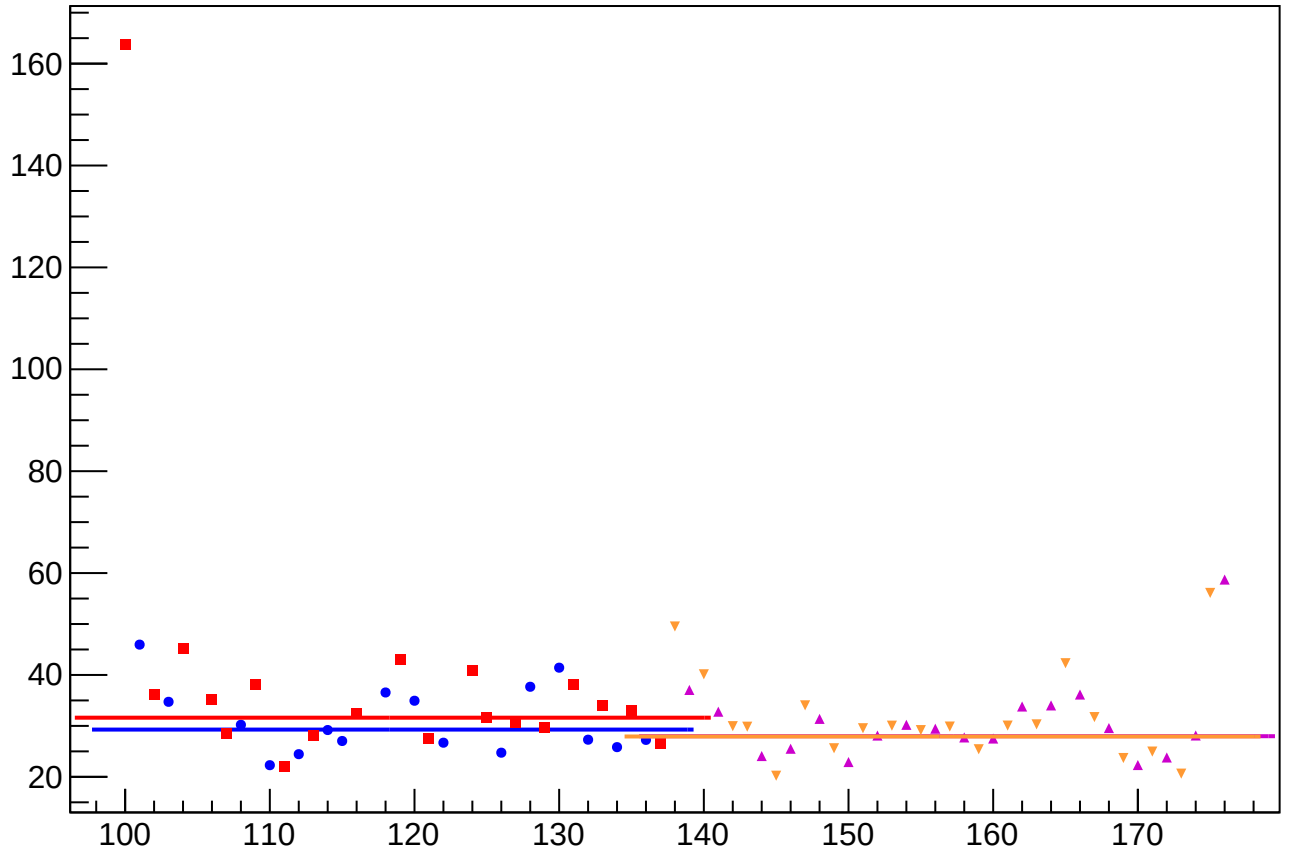
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:16.2/18

\+ sign 0.013+/-0.006 χ^2/NDF: 43.1/35

All: 0.013+/-0.004 χ^2/NDF: 76.4/73

\- sign 0.013+/-0.006 χ^2/NDF: 33.3/37



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 27.923+/-0.005 χ^2/NDF:1561167.6/19

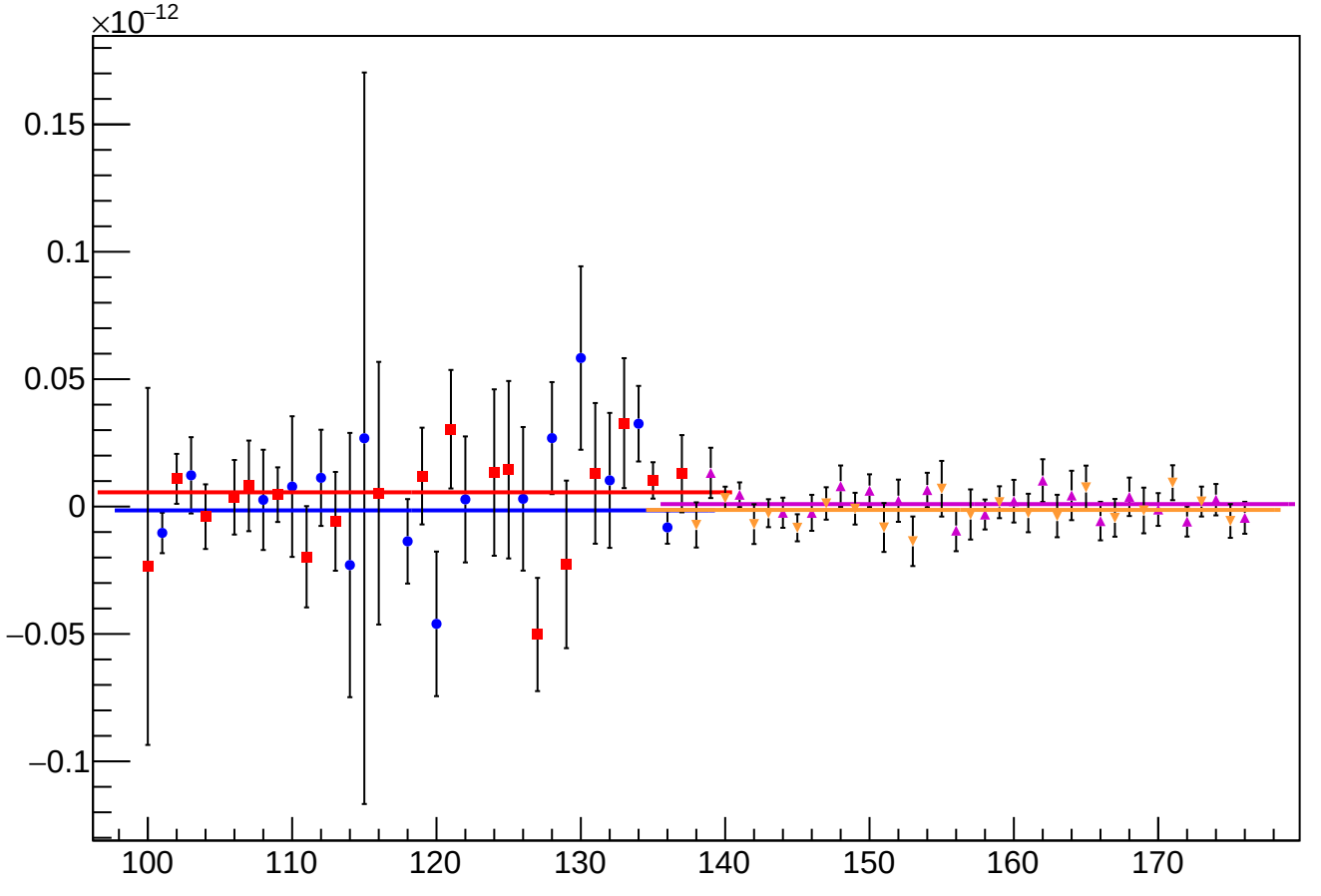
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.979+/-0.005 χ^2/NDF:914081.8/18

+ sign 28.322+/-0.004 χ^2/NDF: 2141977.5/35

All: 28.636+/-0.003 χ^2/NDF: 3770369.8/73

- sign 28.968+/-0.004 χ^2/NDF: 1617645.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/19

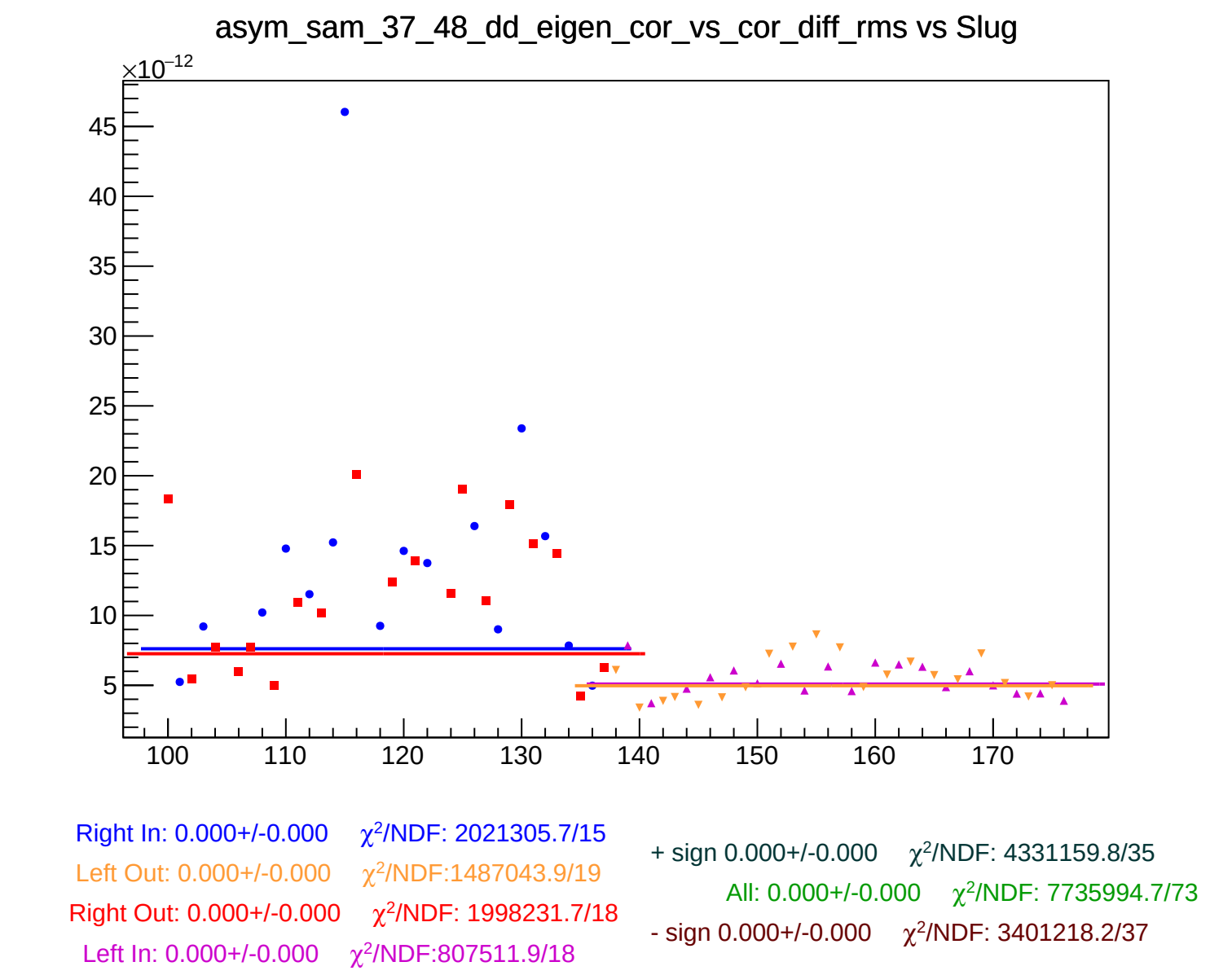
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/18

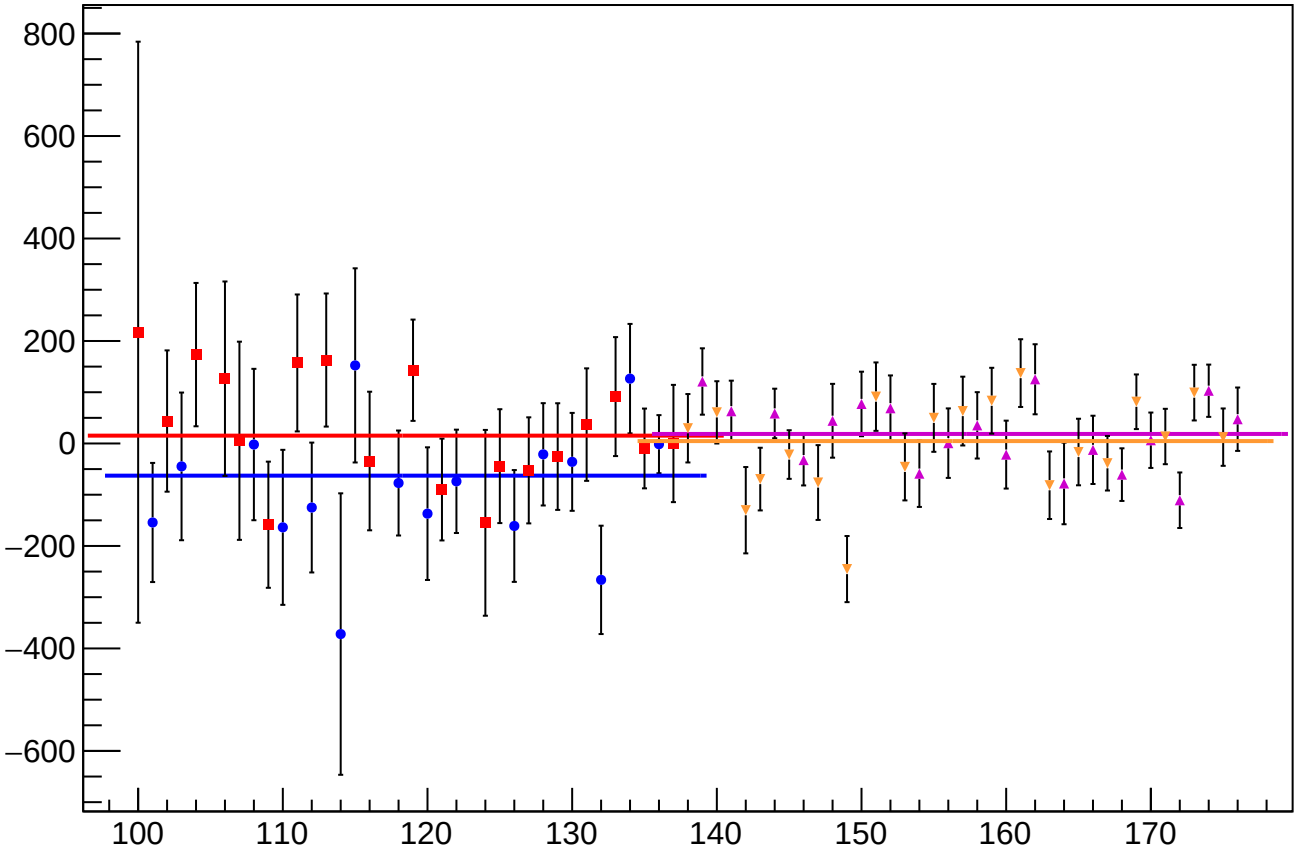
+ sign -0.000+/-0.000 χ^2/NDF: 28.4/35

All: 0.000+/-0.000 χ^2/NDF: 56.8/73

- sign 0.000+/-0.000 χ^2/NDF: 26.2/37


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1487043.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:807511.9/18
+ sign 0.000+/-0.000 χ²/NDF: 4331159.8/35
All: 0.000+/-0.000 χ²/NDF: 7735994.7/73
- sign 0.000+/-0.000 χ²/NDF: 3401218.2/37

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.655+/-13.701 χ^2/NDF:38.2/19

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

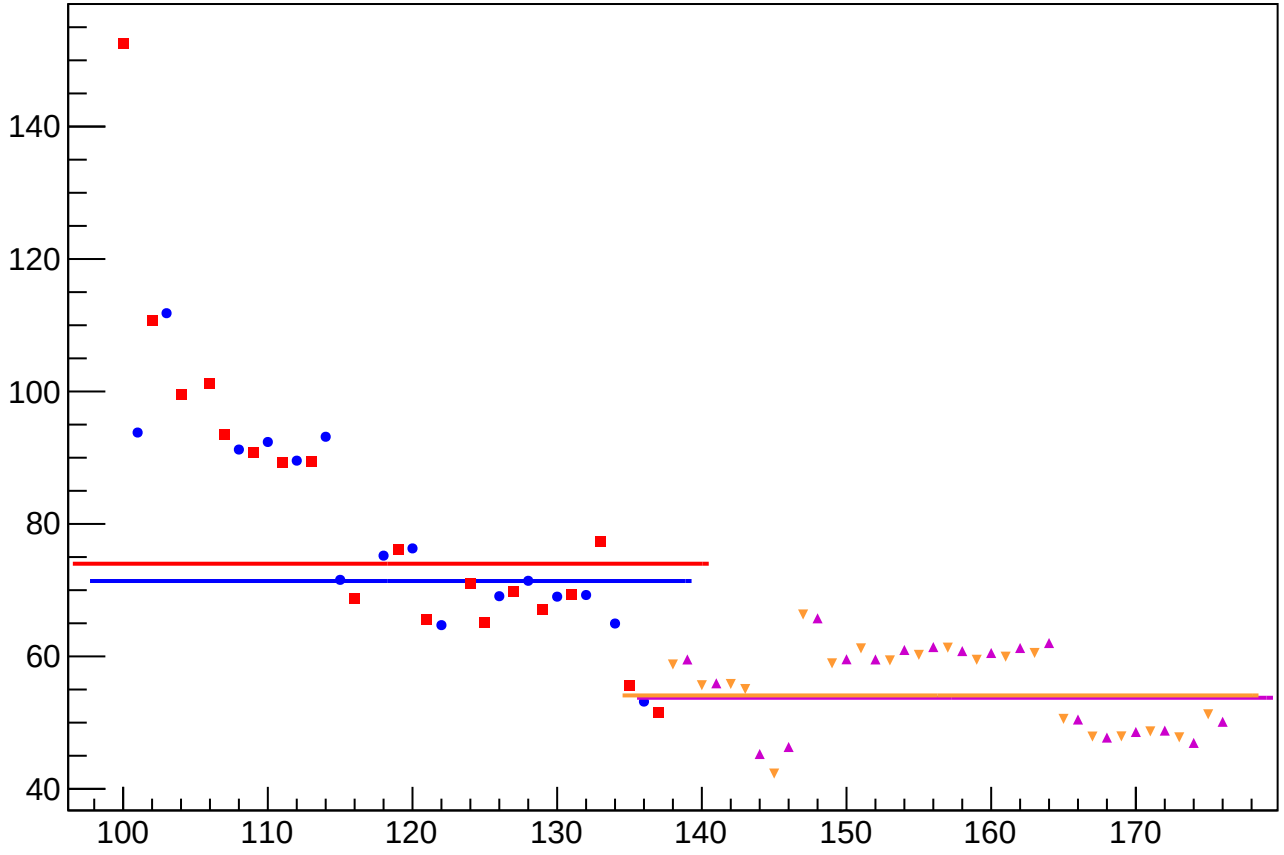
Left In: 18.585+/-13.775 χ^2/NDF:23.5/18

+ sign -8.986+/-12.238 χ^2/NDF: 56.6/35

All: 4.362+/-8.690 χ^2/NDF: 94.0/73

- sign 17.934+/-12.341 χ^2/NDF: 35.0/37

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 54.107+/-0.010 χ^2/NDF:440560.1/19

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

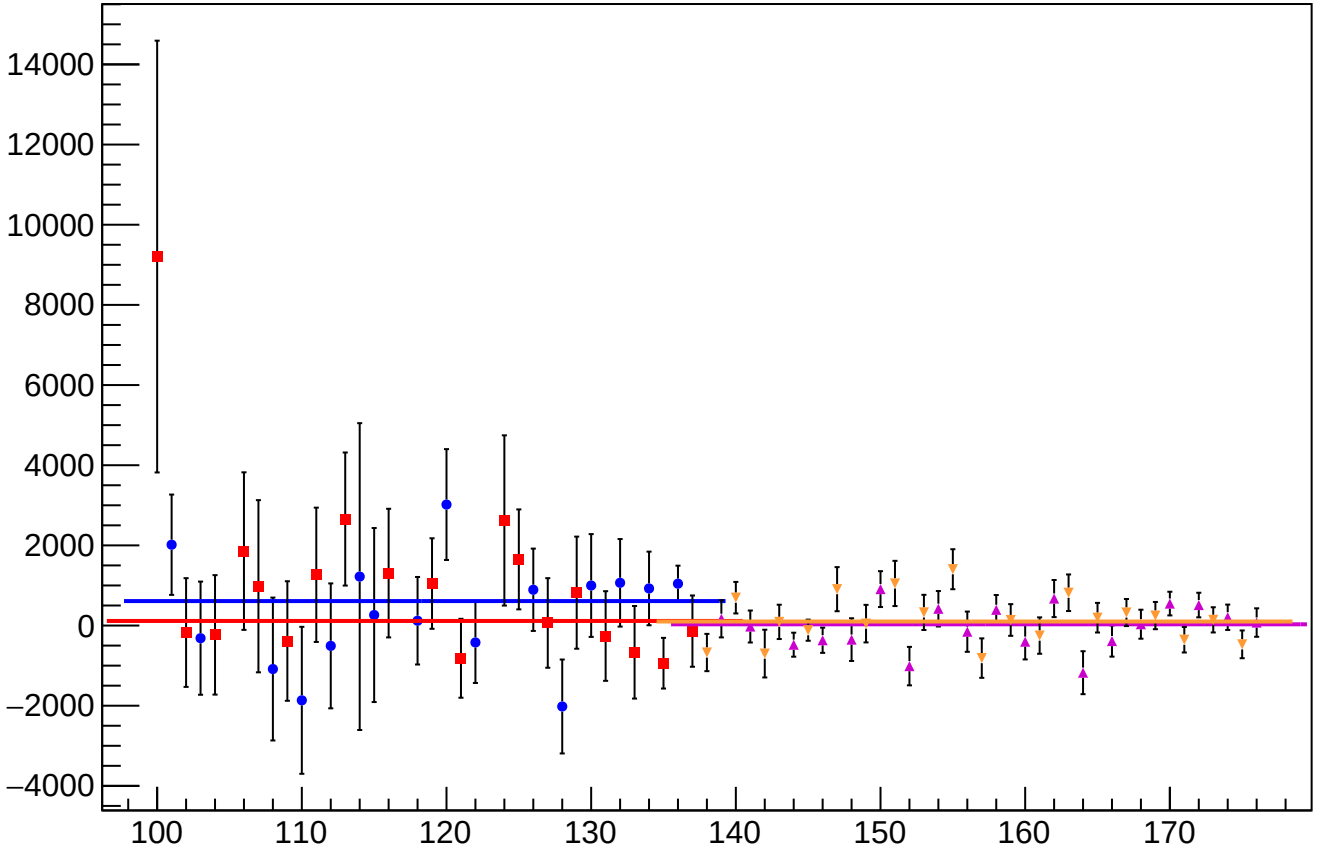
Left In: 53.754+/-0.010 χ^2/NDF:464489.0/18

+ sign 57.601+/-0.009 χ^2/NDF: 1674522.5/35

All: 57.675+/-0.006 χ^2/NDF: 3630214.4/73

- sign 57.751+/-0.009 χ^2/NDF: 1955543.1/37

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 100.808+/-88.654 χ^2/NDF:31.6/19

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

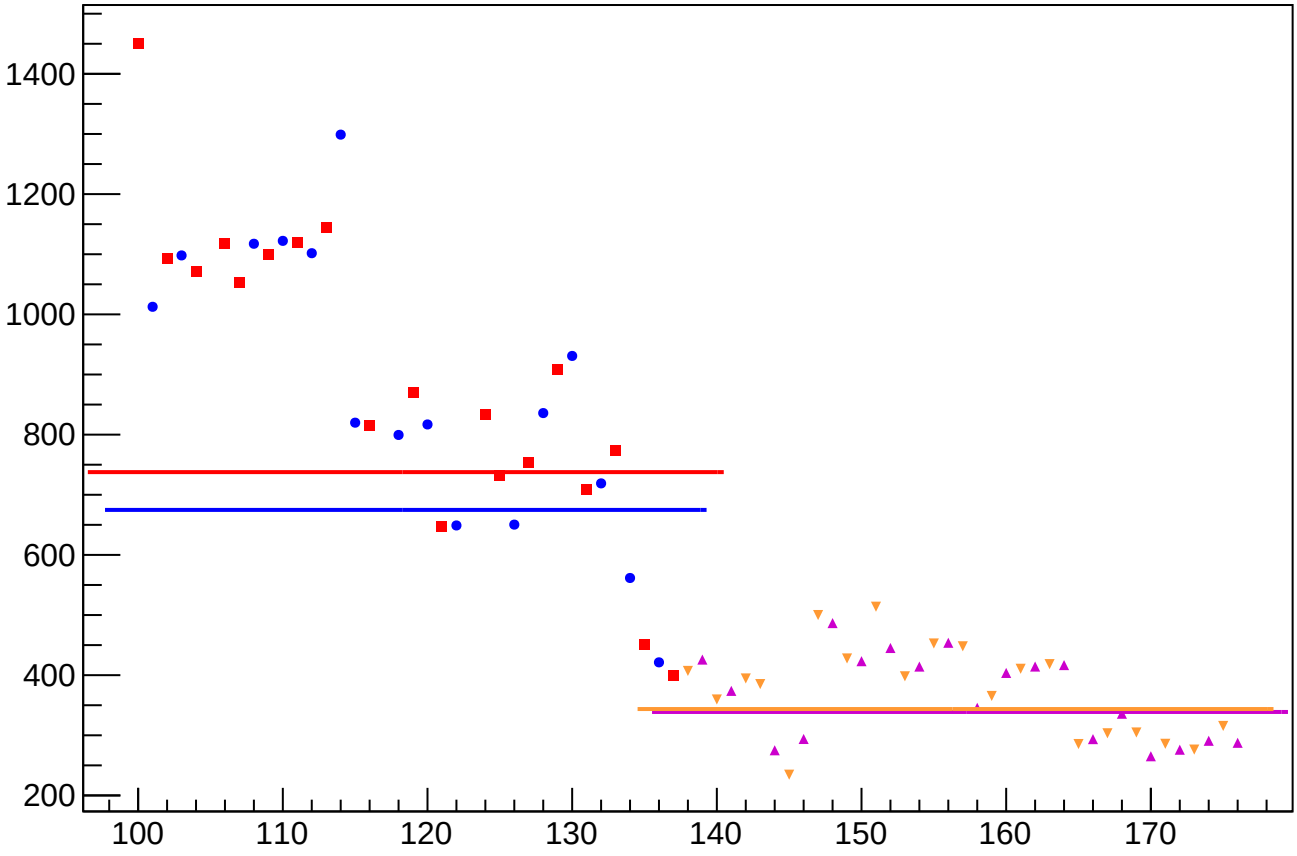
Left In: 30.927+/-88.062 χ^2/NDF:30.5/18

+ sign 151.495+/-84.131 χ^2/NDF: 50.6/35

All: 94.866+/-59.486 χ^2/NDF: 97.6/73

- sign 38.254+/-84.119 χ^2/NDF: 46.1/37

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 343.677+/-0.063 χ^2/NDF:1419353.3/19

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

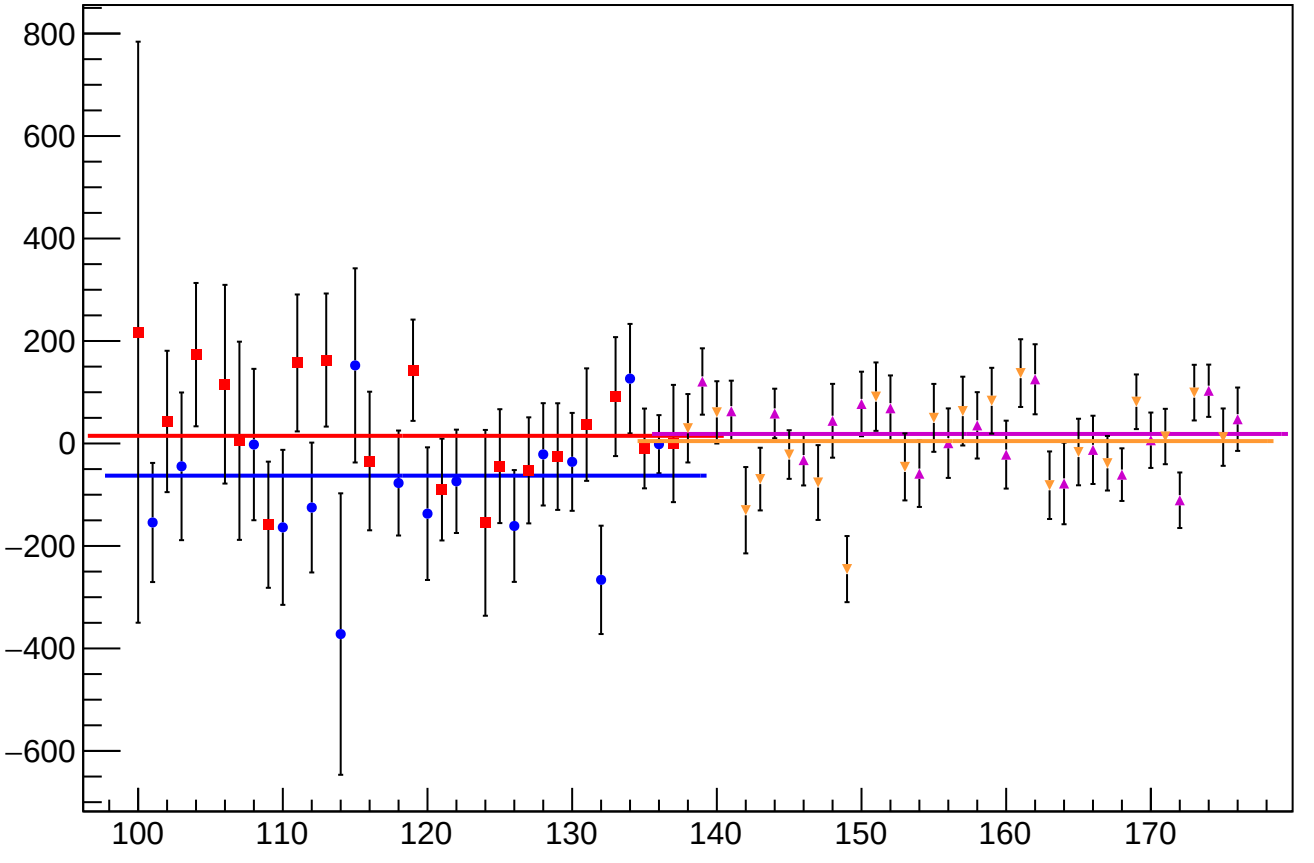
Left In: 338.816+/-0.062 χ^2/NDF:1165945.1/18

+ sign 376.605+/-0.059 χ^2/NDF: 5811706.9/35

All: 375.168+/-0.042 χ^2/NDF: 12087191.6/73

- sign 373.732+/-0.059 χ^2/NDF: 6274318.0/37

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.655+/-13.701 χ^2/NDF:38.2/19

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

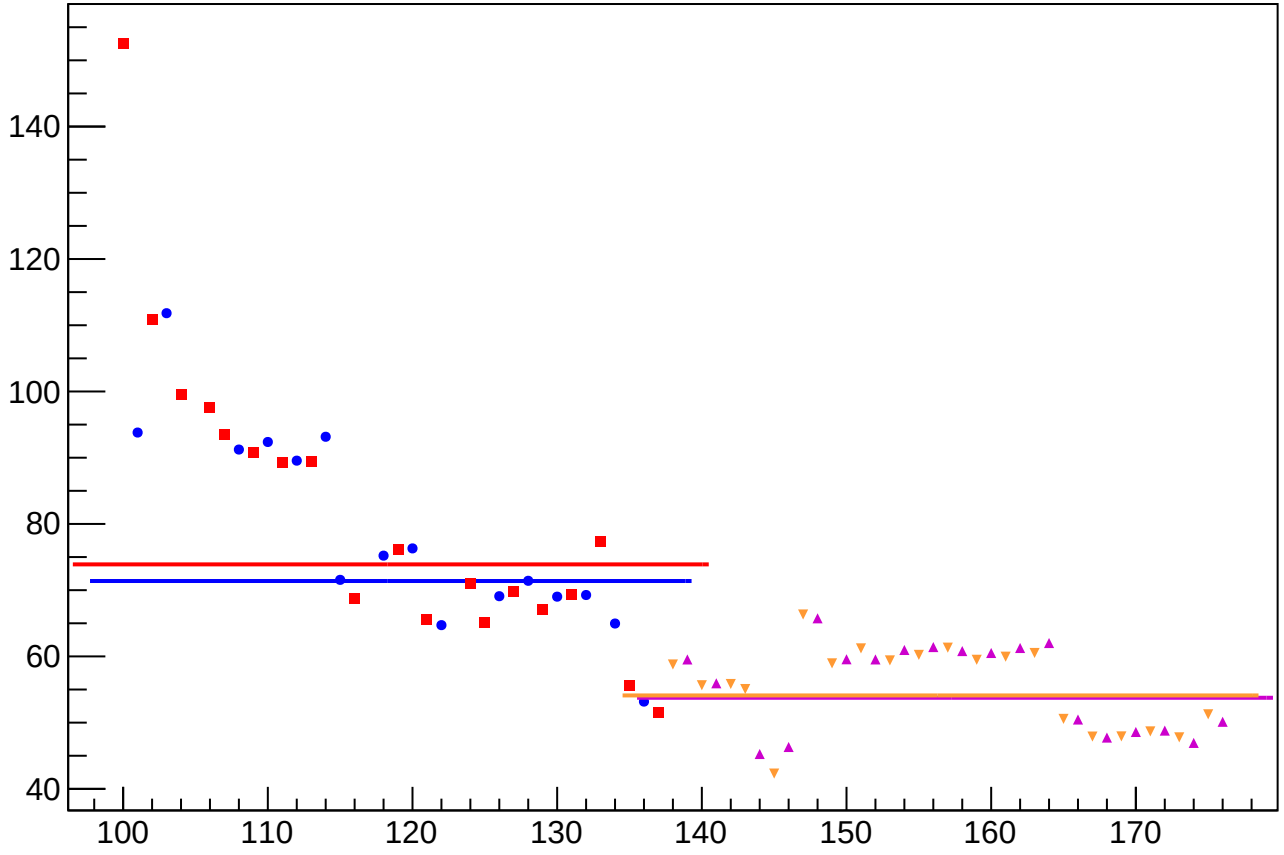
Left In: 18.585+/-13.775 χ^2/NDF:23.5/18

+ sign -8.984+/-12.238 χ^2/NDF: 56.6/35

All: 4.326+/-8.690 χ^2/NDF: 93.9/73

- sign 17.864+/-12.342 χ^2/NDF: 35.0/37

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.107+/-0.010 χ^2/NDF:440560.1/19

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

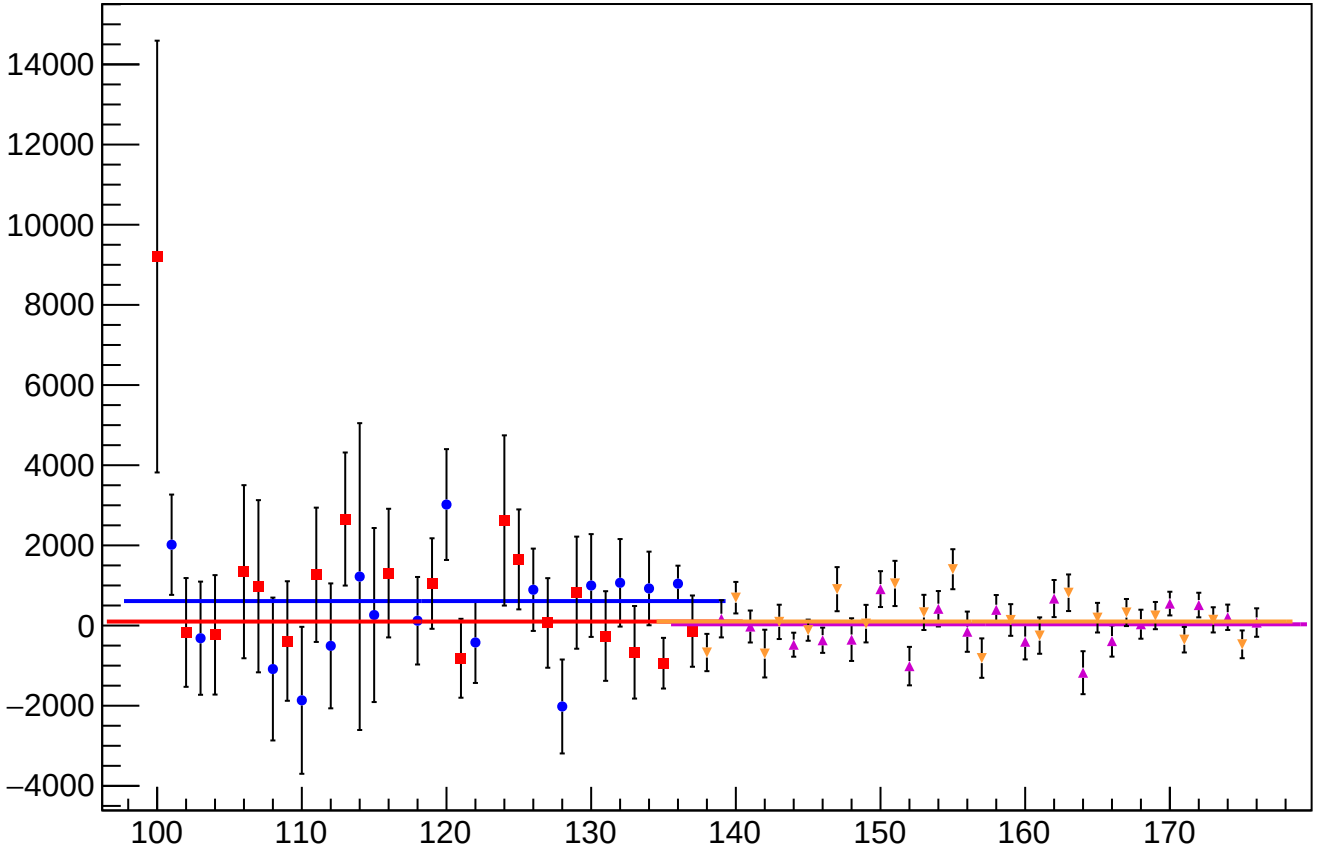
Left In: 53.754+/-0.010 χ^2/NDF:464489.0/18

+ sign 57.601+/-0.009 χ^2/NDF: 1674525.1/35

All: 57.664+/-0.006 χ^2/NDF: 3609715.2/73

- sign 57.728+/-0.009 χ^2/NDF: 1935083.0/37

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 100.806+/-88.654 χ^2/NDF:31.6/19

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

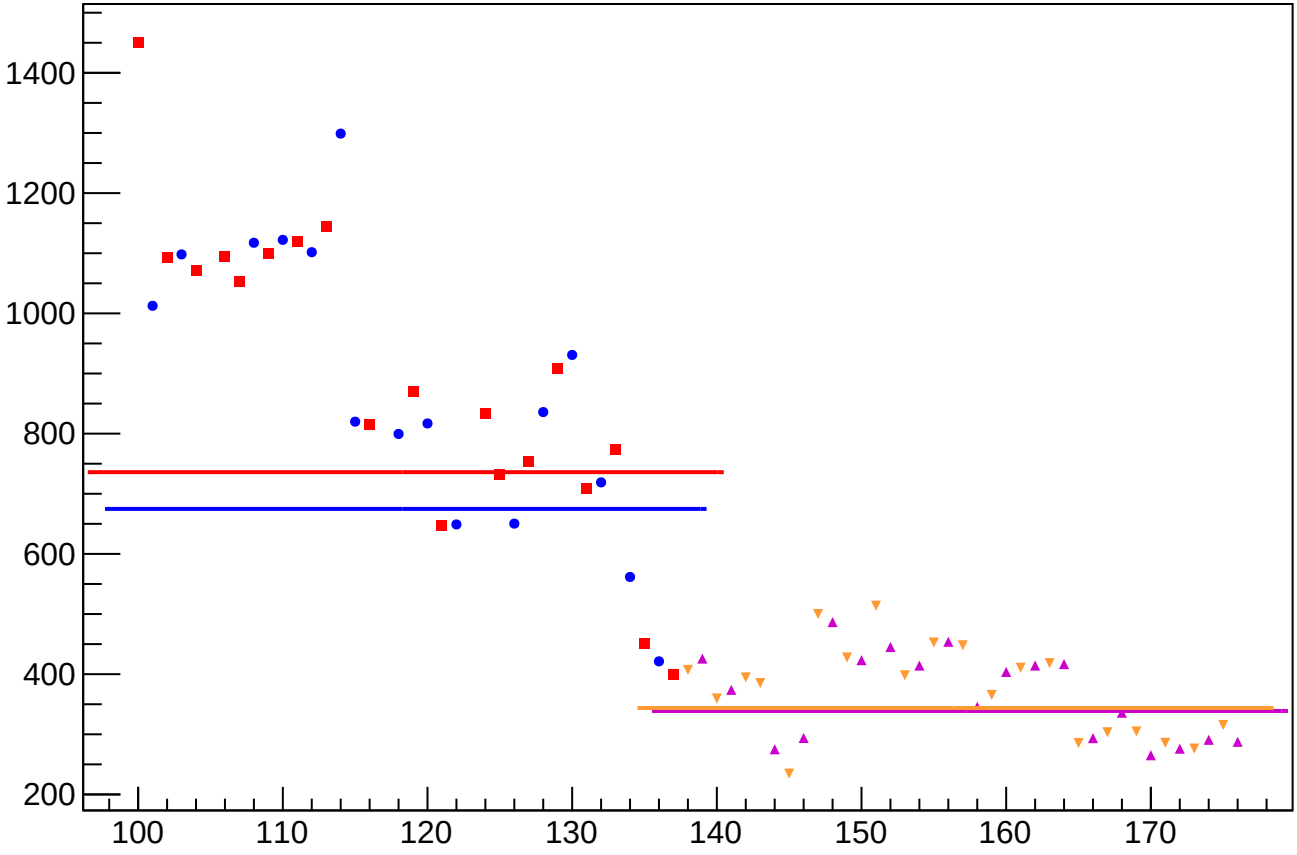
Left In: 30.928+/-88.062 χ^2/NDF:30.5/18

+ sign 151.492+/-84.131 χ^2/NDF: 50.6/35

All: 94.205+/-59.490 χ^2/NDF: 97.2/73

- sign 36.916+/-84.132 χ^2/NDF: 45.6/37

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.677+/-0.063 χ^2/NDF:1419353.9/19

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

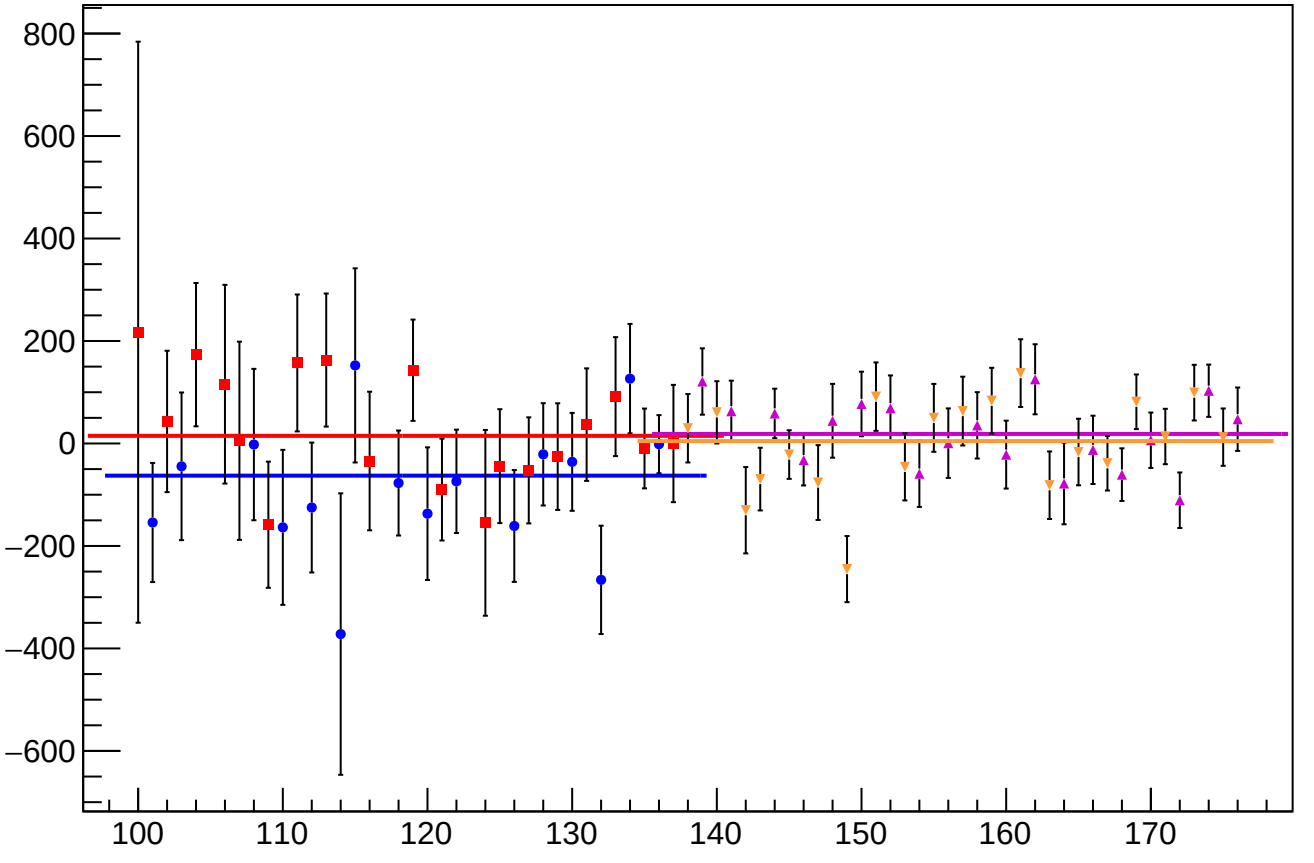
Left In: 338.816+/-0.062 χ^2/NDF:1165955.3/18

+ sign 376.605+/-0.059 χ^2/NDF: 5811729.0/35

All: 375.034+/-0.042 χ^2/NDF: 12024315.4/73

- sign 373.462+/-0.059 χ^2/NDF: 6211191.0/37

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.655+/-13.701 χ^2/NDF:38.2/19

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

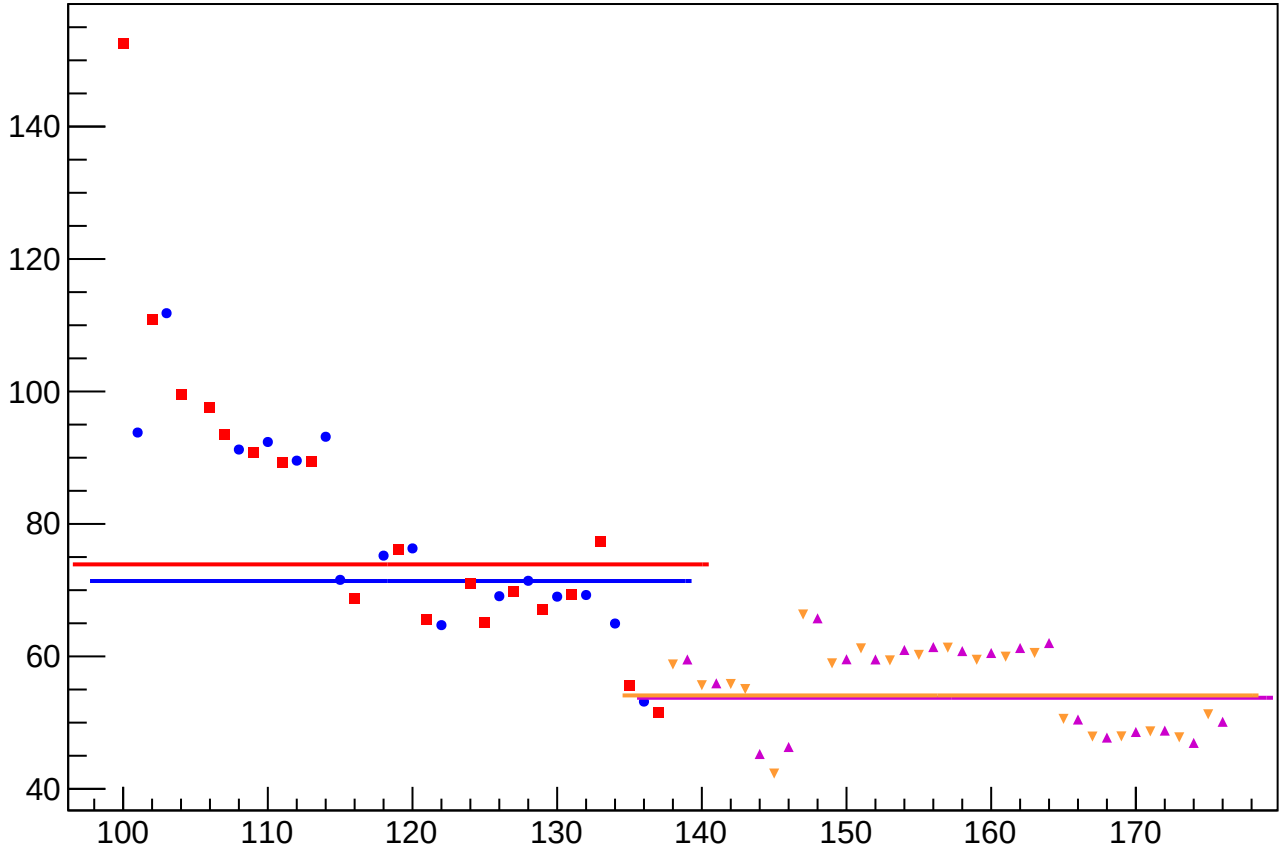
Left In: 18.585+/-13.775 χ^2/NDF:23.5/18

+ sign -8.984+/-12.238 χ^2/NDF: 56.6/35

All: 4.326+/-8.690 χ^2/NDF: 93.9/73

- sign 17.864+/-12.342 χ^2/NDF: 35.0/37

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.107+/-0.010 χ^2/NDF:440560.1/19

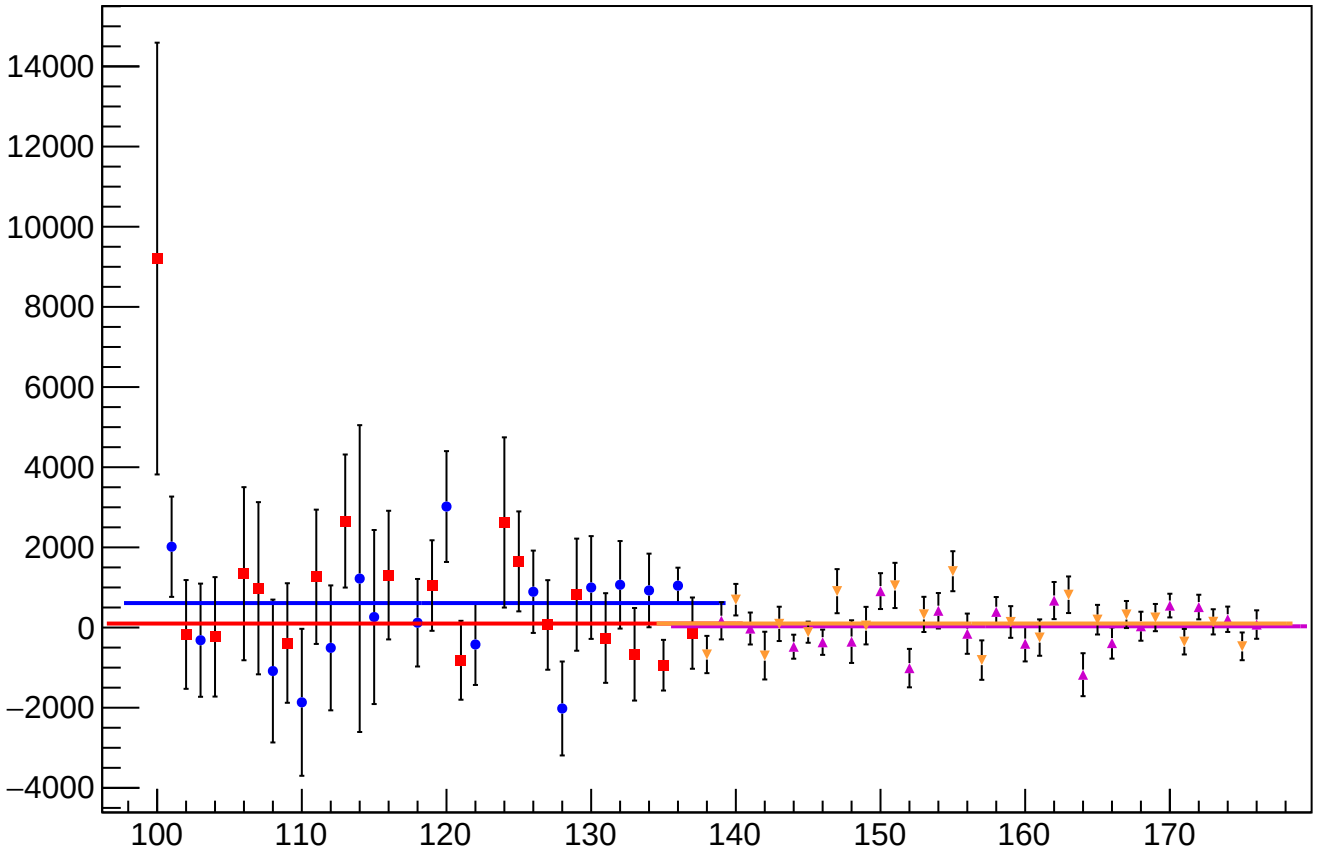
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.754+/-0.010 χ^2/NDF:464489.0/18

+ sign 57.601+/-0.009 χ^2/NDF: 1674525.1/35

All: 57.664+/-0.006 χ^2/NDF: 3609715.2/73

- sign 57.728+/-0.009 χ^2/NDF: 1935083.0/37



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 100.806+/-88.654 χ^2/NDF:31.6/19

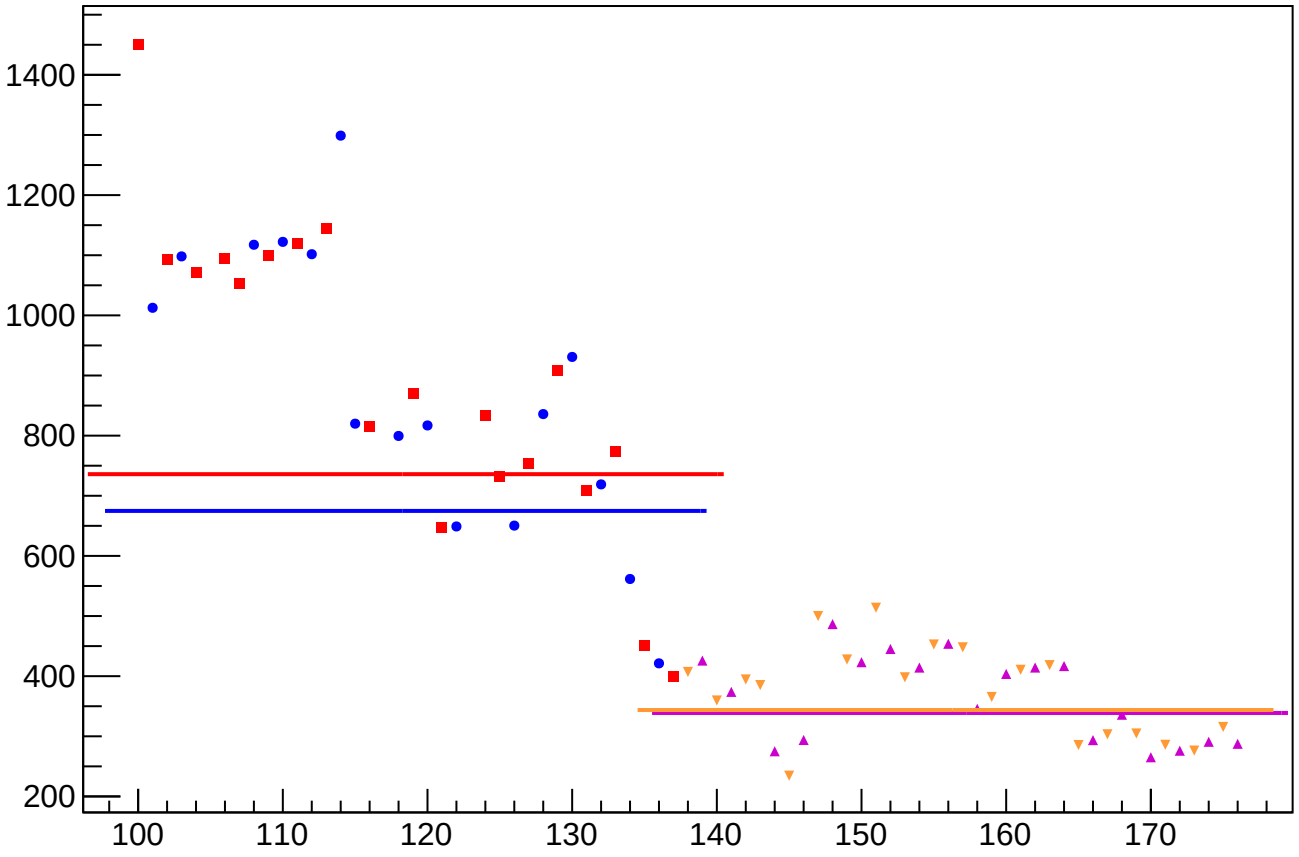
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 30.928+/-88.062 χ^2/NDF:30.5/18

+ sign 151.492+/-84.131 χ^2/NDF: 50.6/35

All: 94.205+/-59.490 χ^2/NDF: 97.2/73

- sign 36.916+/-84.132 χ^2/NDF: 45.6/37



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.677+/-0.063 χ^2/NDF:1419353.9/19

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

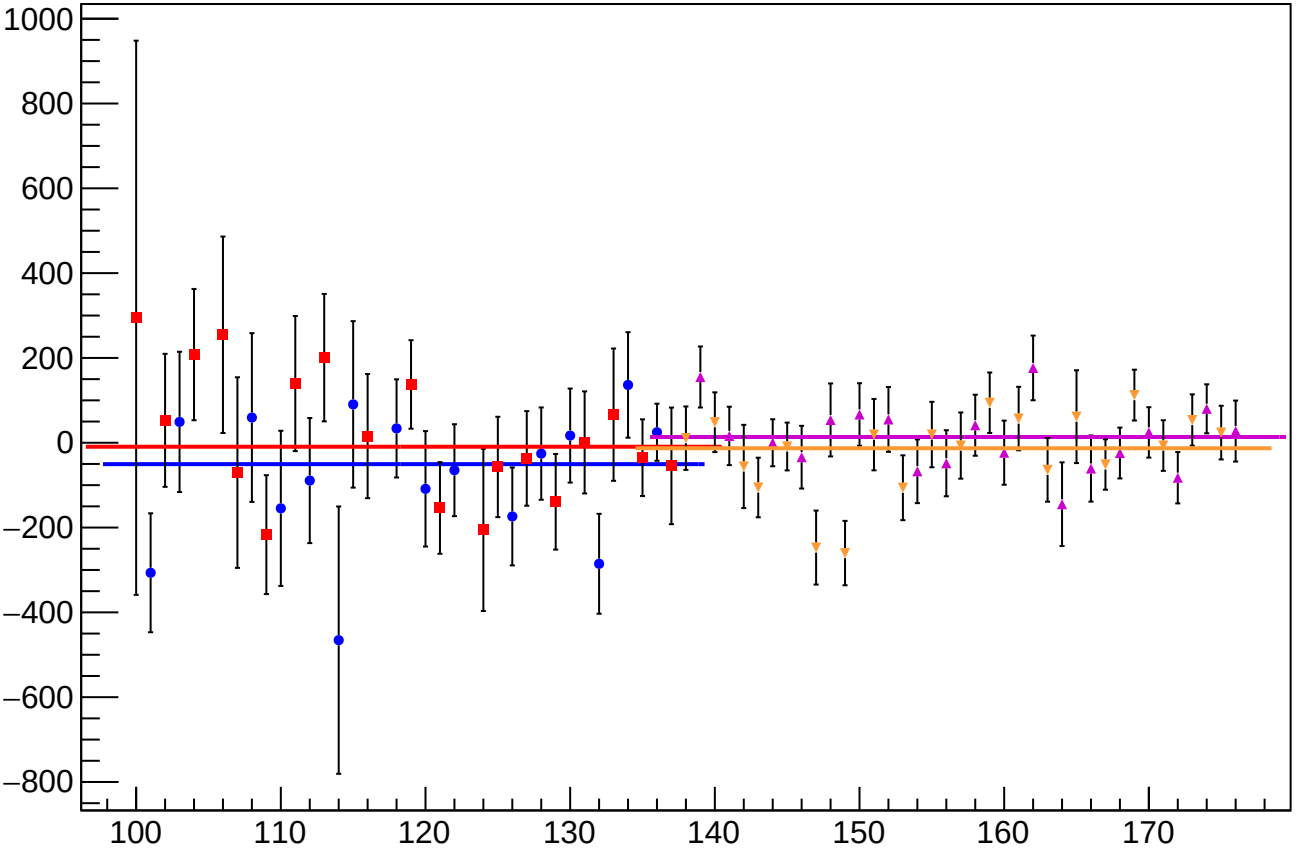
Left In: 338.816+/-0.062 χ^2/NDF:1165955.3/18

+ sign 376.605+/-0.059 χ^2/NDF: 5811729.0/35

All: 375.034+/-0.042 χ^2/NDF: 12024315.4/73

- sign 373.462+/-0.059 χ^2/NDF: 6211191.0/37

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -12.934+/-15.909 χ^2/NDF:32.8/19

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

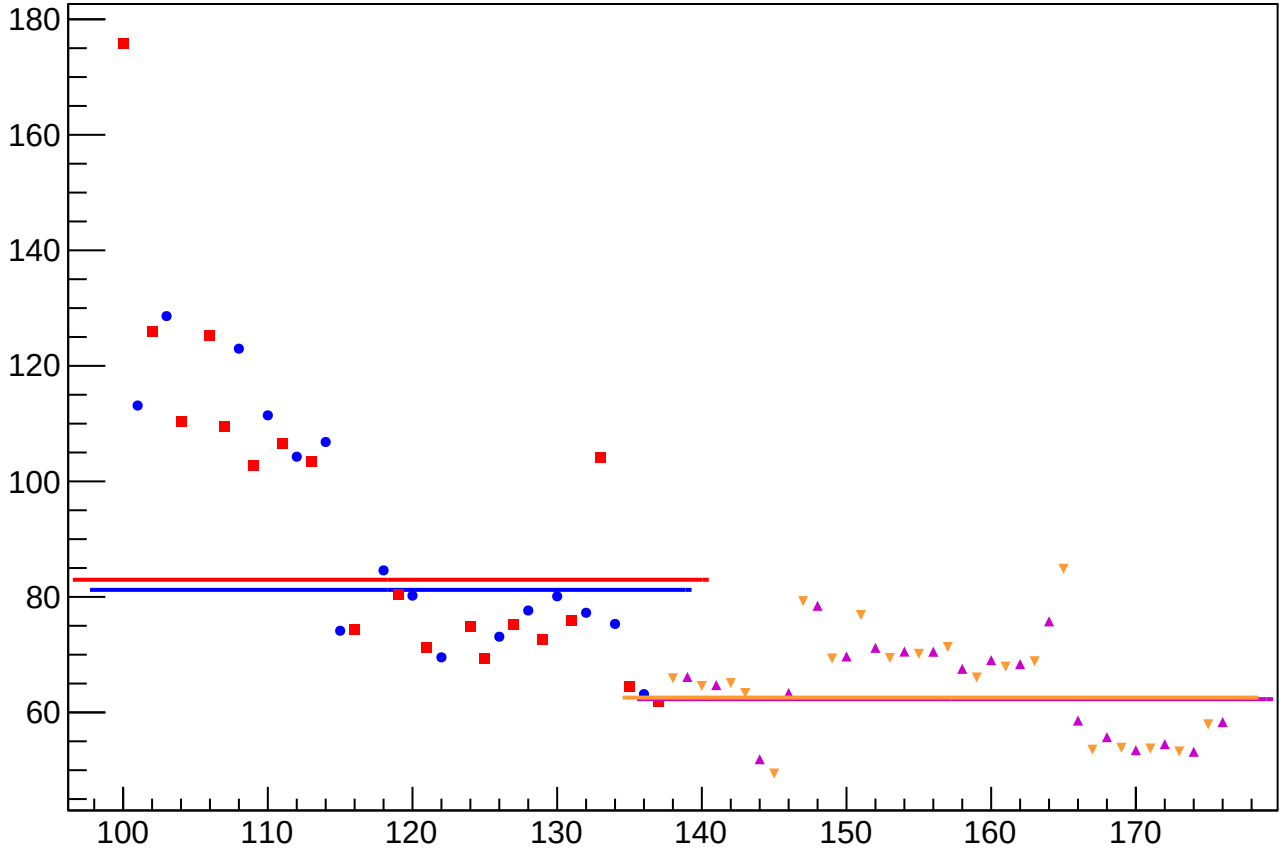
Left In: 13.541+/-16.058 χ^2/NDF:19.9/18

+ sign -20.733+/-14.159 χ^2/NDF: 50.4/35

All: -6.118+/-10.055 χ^2/NDF: 88.4/73

- sign 8.749+/-14.281 χ^2/NDF: 35.9/37

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.569+/-0.011 χ^2/NDF:625360.2/19

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

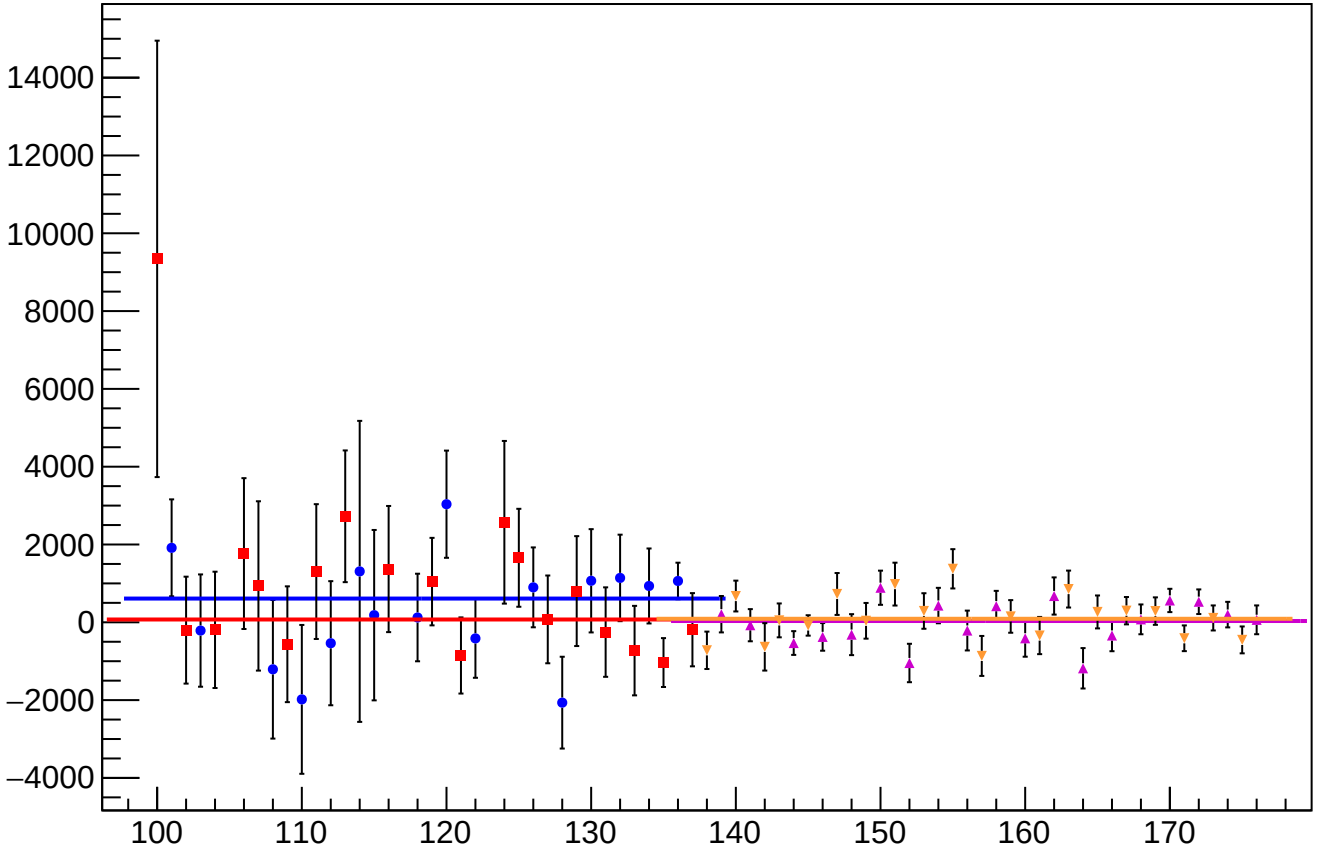
Left In: 62.305+/-0.011 χ^2/NDF:481167.6/18

+ sign 66.444+/-0.010 χ^2/NDF: 1859359.1/35

All: 66.534+/-0.007 χ^2/NDF: 3763570.0/73

- sign 66.625+/-0.010 χ^2/NDF: 1904049.4/37

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 90.641+/-91.061 χ^2/NDF:30.0/19

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

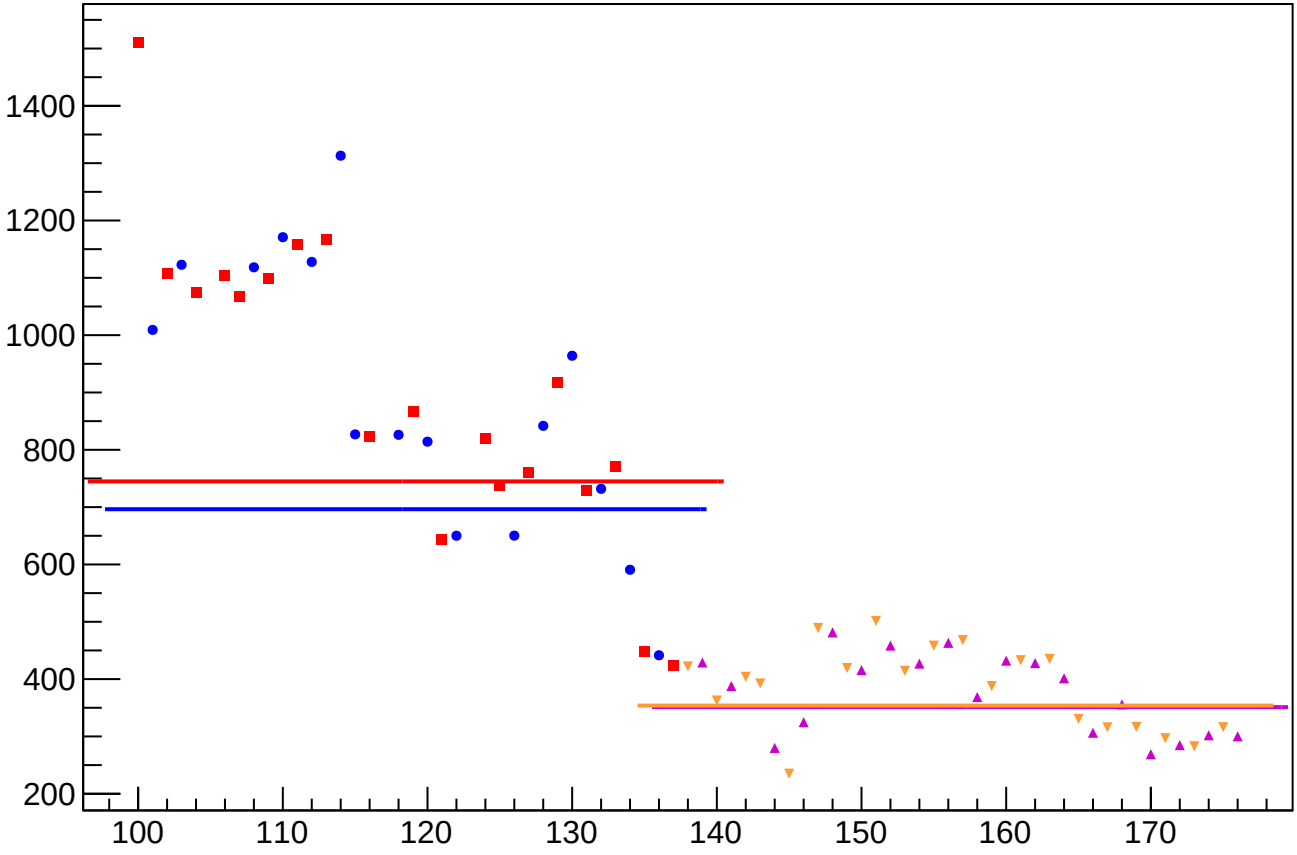
Left In: 33.155+/-91.197 χ^2/NDF:30.8/18

+ sign 142.343+/-86.414 χ^2/NDF: 49.1/35

All: 89.849+/-61.278 χ^2/NDF: 96.8/73

- sign 36.749+/-86.910 χ^2/NDF: 46.9/37

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 353.861+/-0.064 χ^2/NDF:1370577.3/19

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

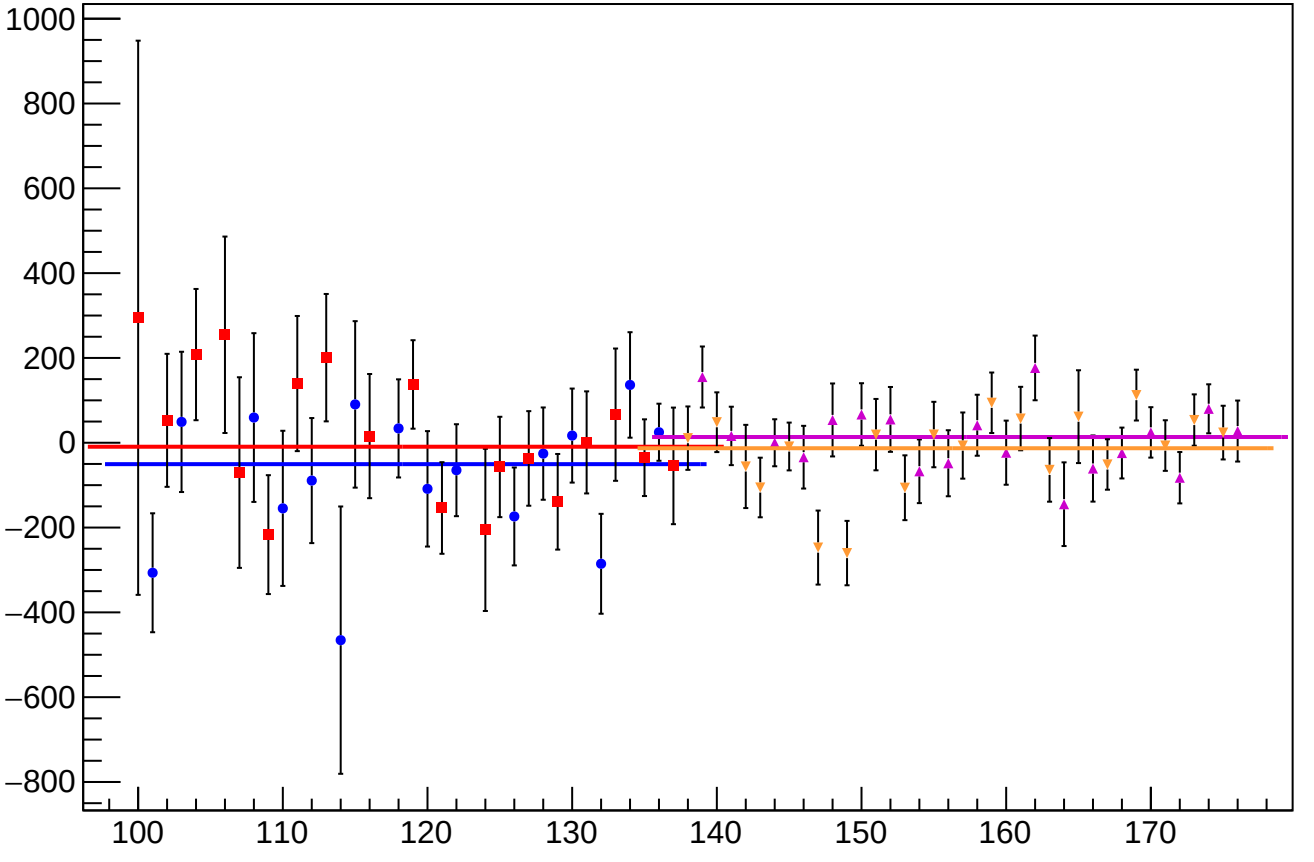
Left In: 351.097+/-0.064 χ^2/NDF:1081066.3/18

\+ sign 387.933+/-0.061 χ^2/NDF: 5700721.4/35

All: 387.593+/-0.043 χ^2/NDF: 11703636.1/73

\- sign 387.249+/-0.061 χ^2/NDF: 6002852.5/37

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -12.933+/-15.909 χ^2/NDF:32.8/19

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

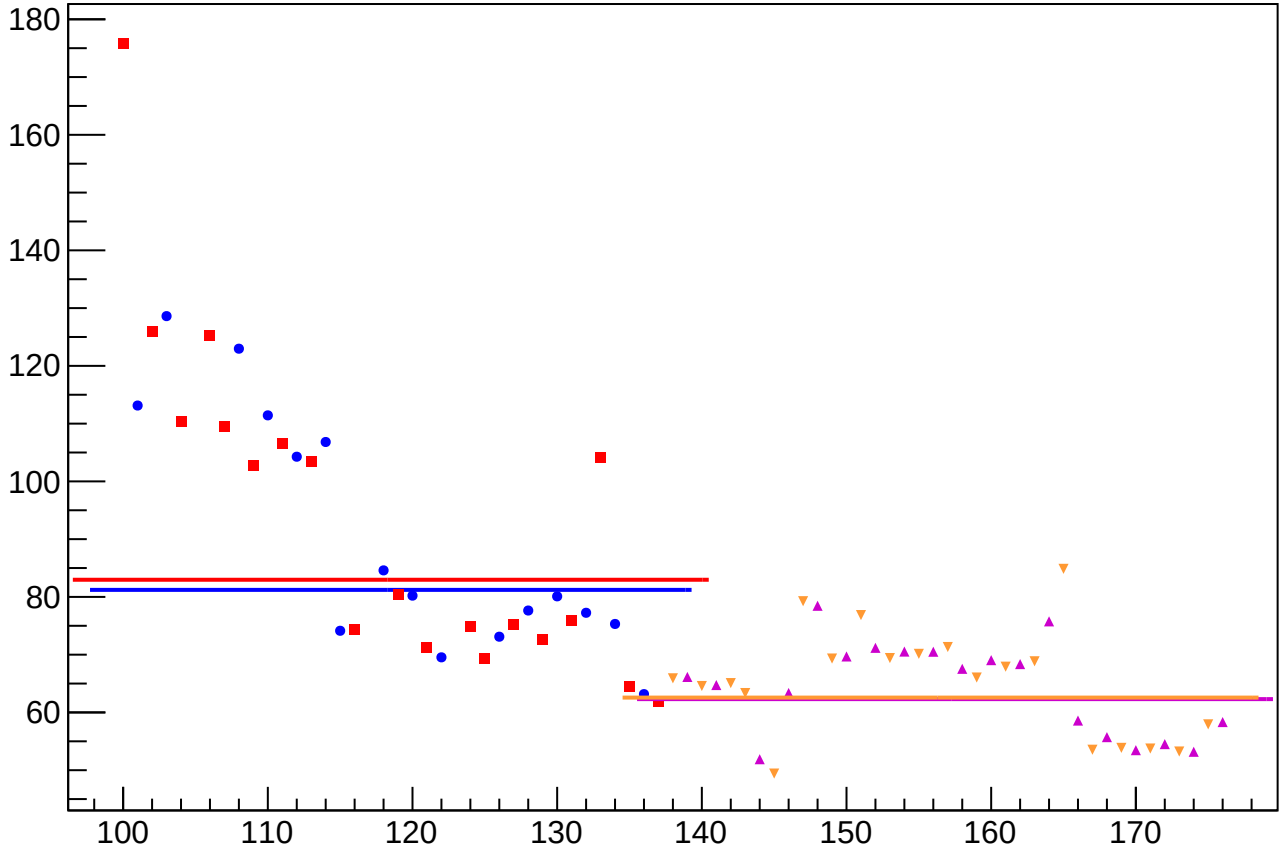
Left In: 13.541+/-16.058 χ^2/NDF:19.9/18

+ sign -20.733+/-14.159 χ^2/NDF: 50.4/35

All: -6.118+/-10.055 χ^2/NDF: 88.4/73

- sign 8.749+/-14.281 χ^2/NDF: 35.9/37

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.569+/-0.011 χ^2/NDF:625357.0/19

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

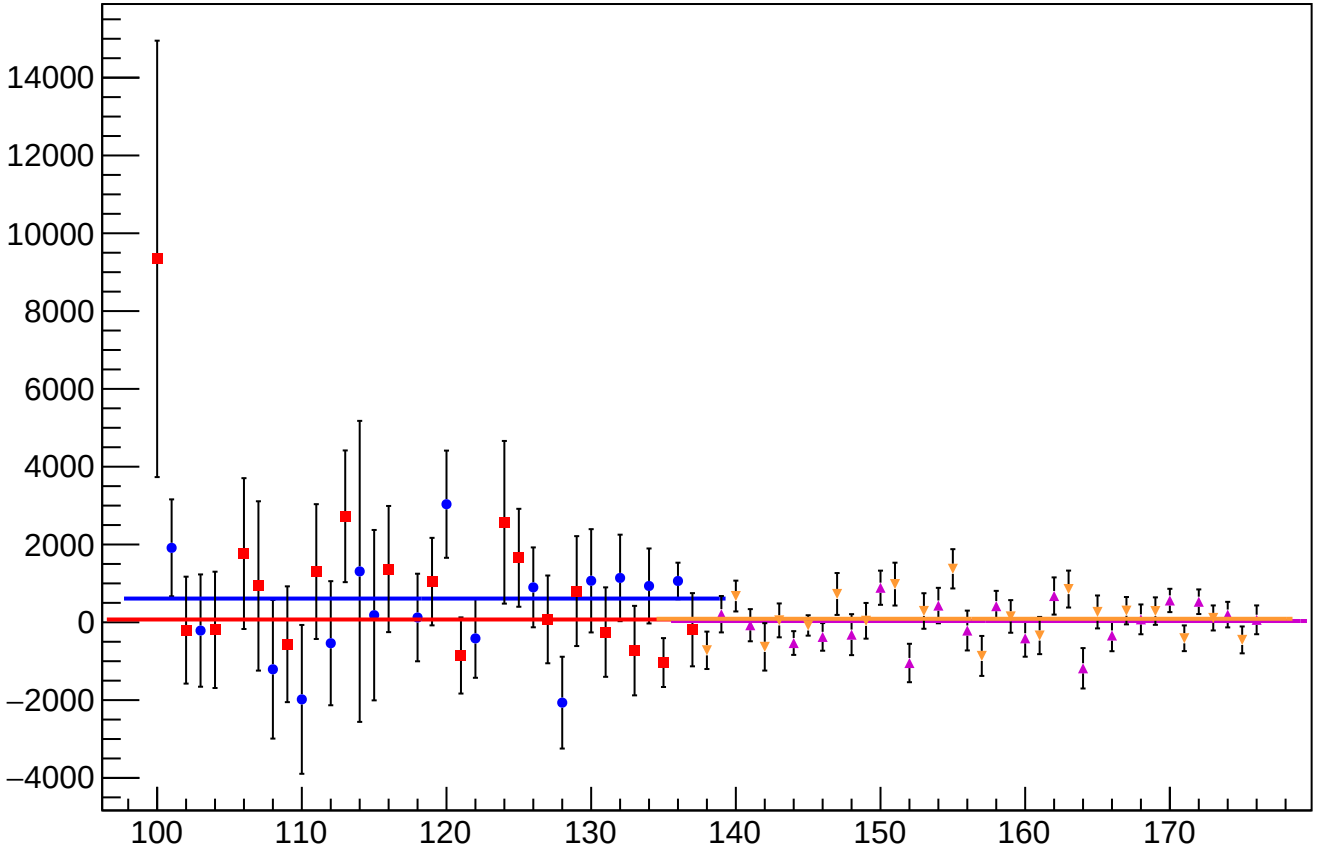
Left In: 62.305+/-0.011 χ^2/NDF:481160.2/18

+ sign 66.444+/-0.010 χ^2/NDF: 1859312.4/35

All: 66.534+/-0.007 χ^2/NDF: 3763479.6/73

- sign 66.625+/-0.010 χ^2/NDF: 1904005.6/37

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 90.641+/-91.061 χ^2/NDF:30.0/19

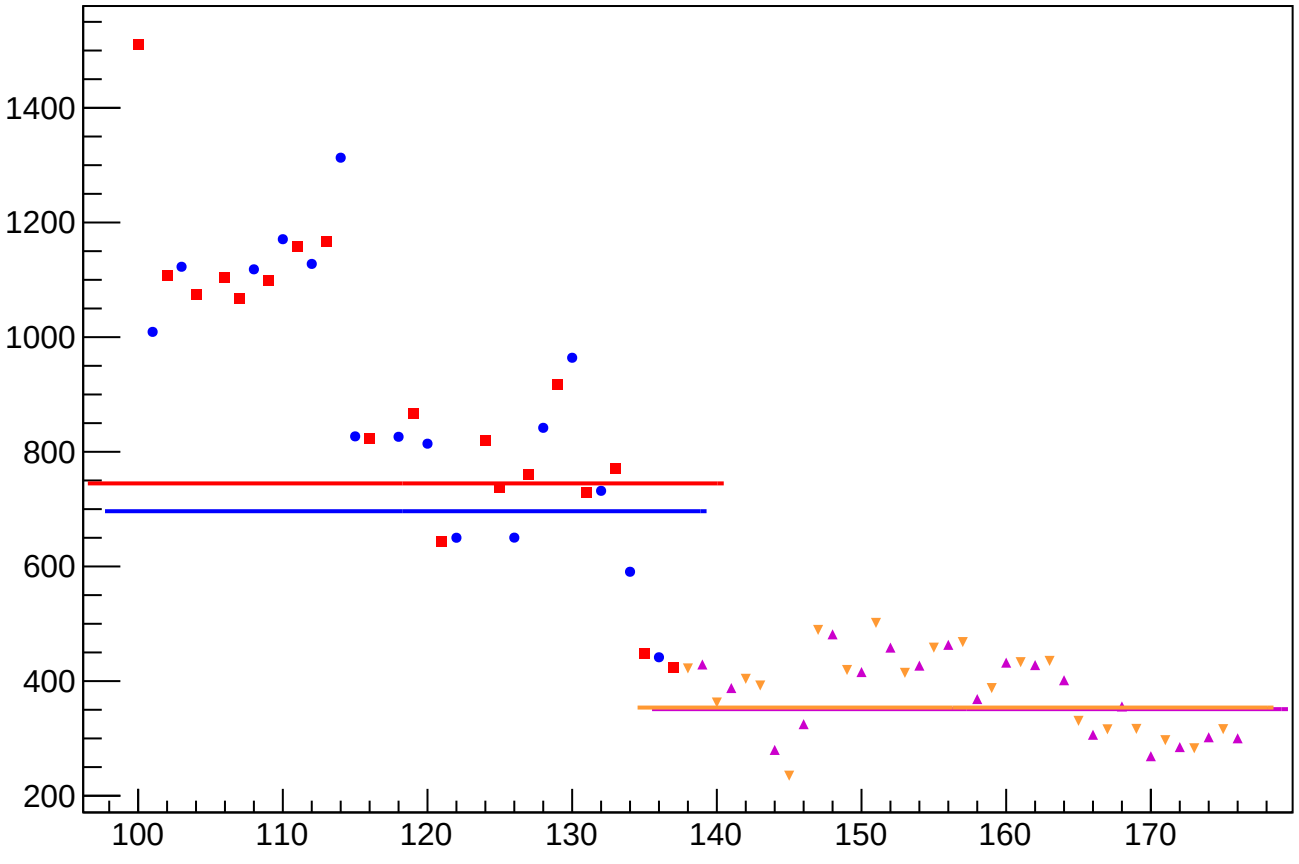
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 33.155+/-91.197 χ^2/NDF:30.8/18

+ sign 142.344+/-86.414 χ^2/NDF: 49.1/35

All: 89.849+/-61.278 χ^2/NDF: 96.8/73

- sign 36.750+/-86.910 χ^2/NDF: 46.9/37



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 353.862+/-0.064 χ^2/NDF:1370591.1/19

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

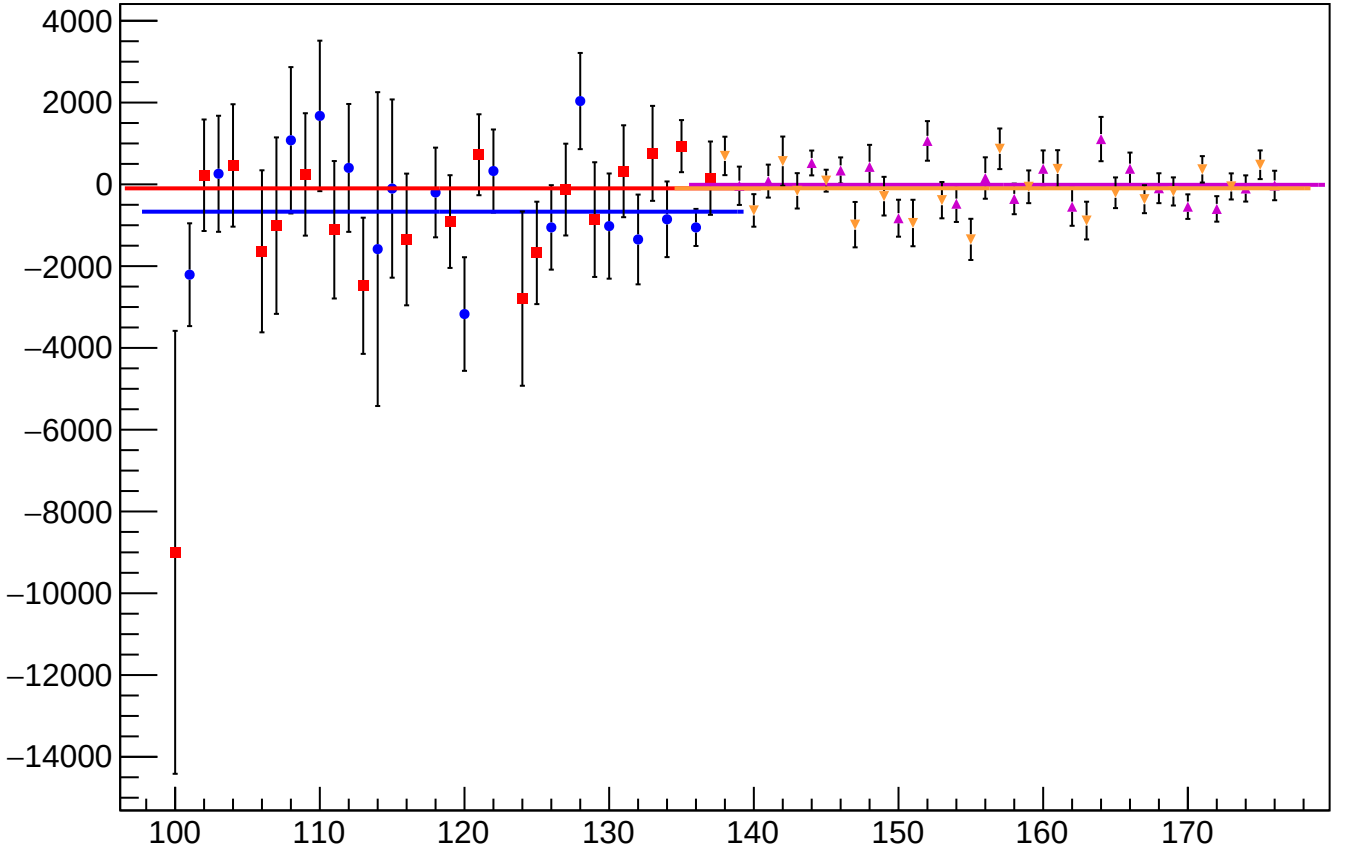
Left In: 351.097+/-0.064 χ^2/NDF:1081071.5/18

+ sign 387.933+/-0.061 χ^2/NDF: 5700710.4/35

All: 387.593+/-0.043 χ^2/NDF: 11703604.8/73

- sign 387.250+/-0.061 χ^2/NDF: 6002832.1/37

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -96.277+/-89.769 χ^2/NDF:31.3/19

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

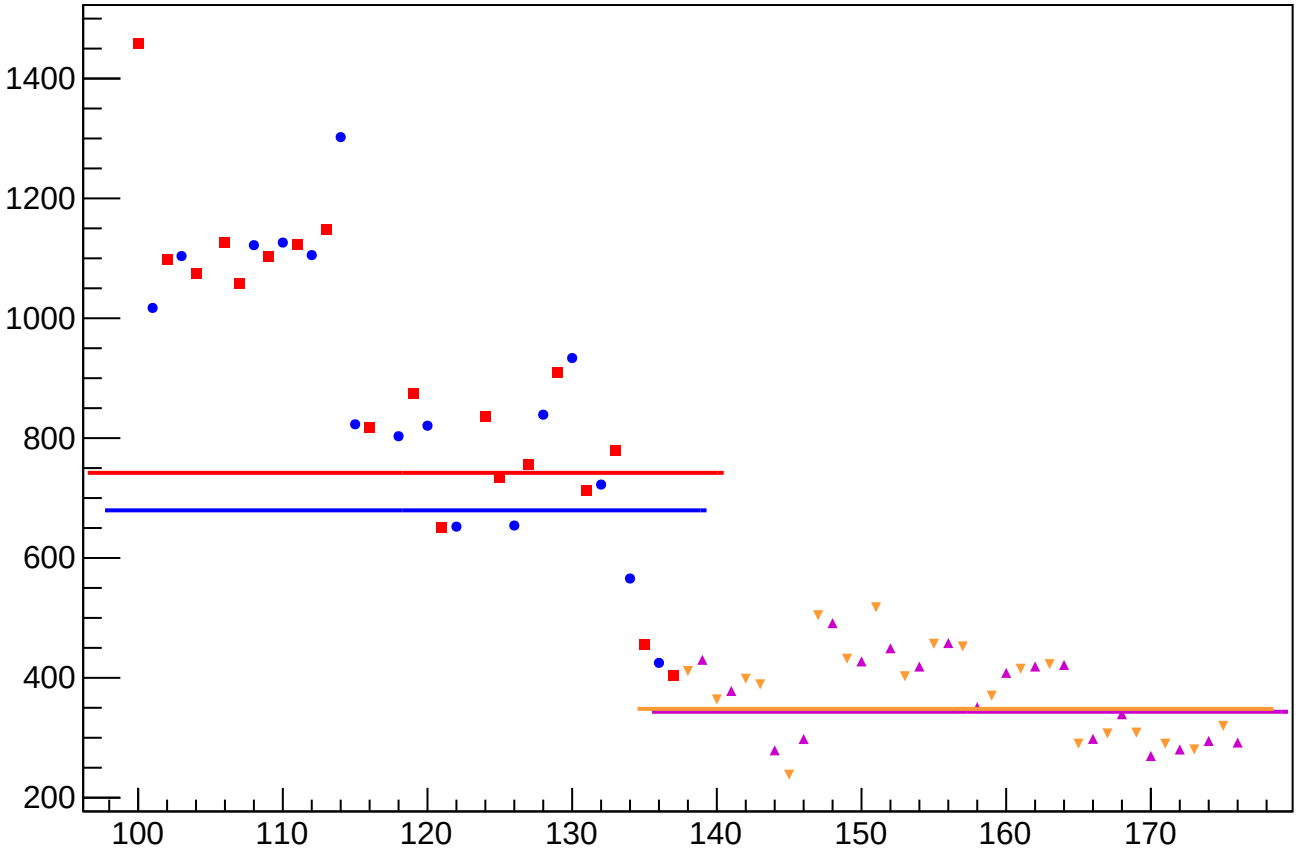
Left In: -11.839+/-89.200 χ^2/NDF:29.4/18

+ sign -153.828+/-85.136 χ^2/NDF: 51.5/35

All: -86.668+/-60.206 χ^2/NDF: 97.0/73

- sign -19.483+/-85.152 χ^2/NDF: 44.3/37

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 348.210+/-0.063 χ^2/NDF:1389305.0/19

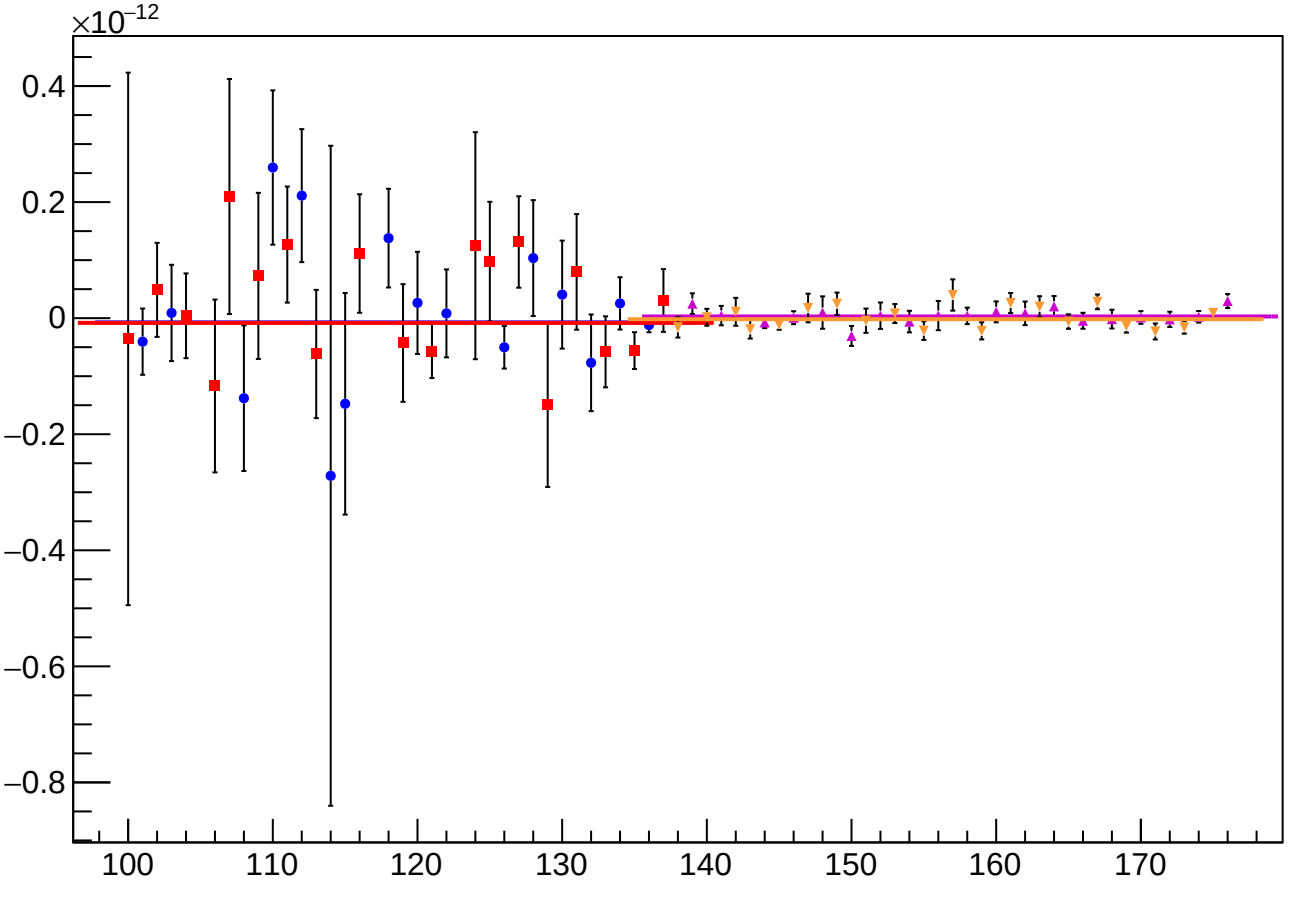
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 343.377+/-0.063 χ^2/NDF:1141370.1/18

+ sign 381.526+/-0.060 χ^2/NDF: 5729242.6/35

All: 380.138+/-0.043 χ^2/NDF: 11921016.3/73

- sign 378.750+/-0.060 χ^2/NDF: 6190710.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/19

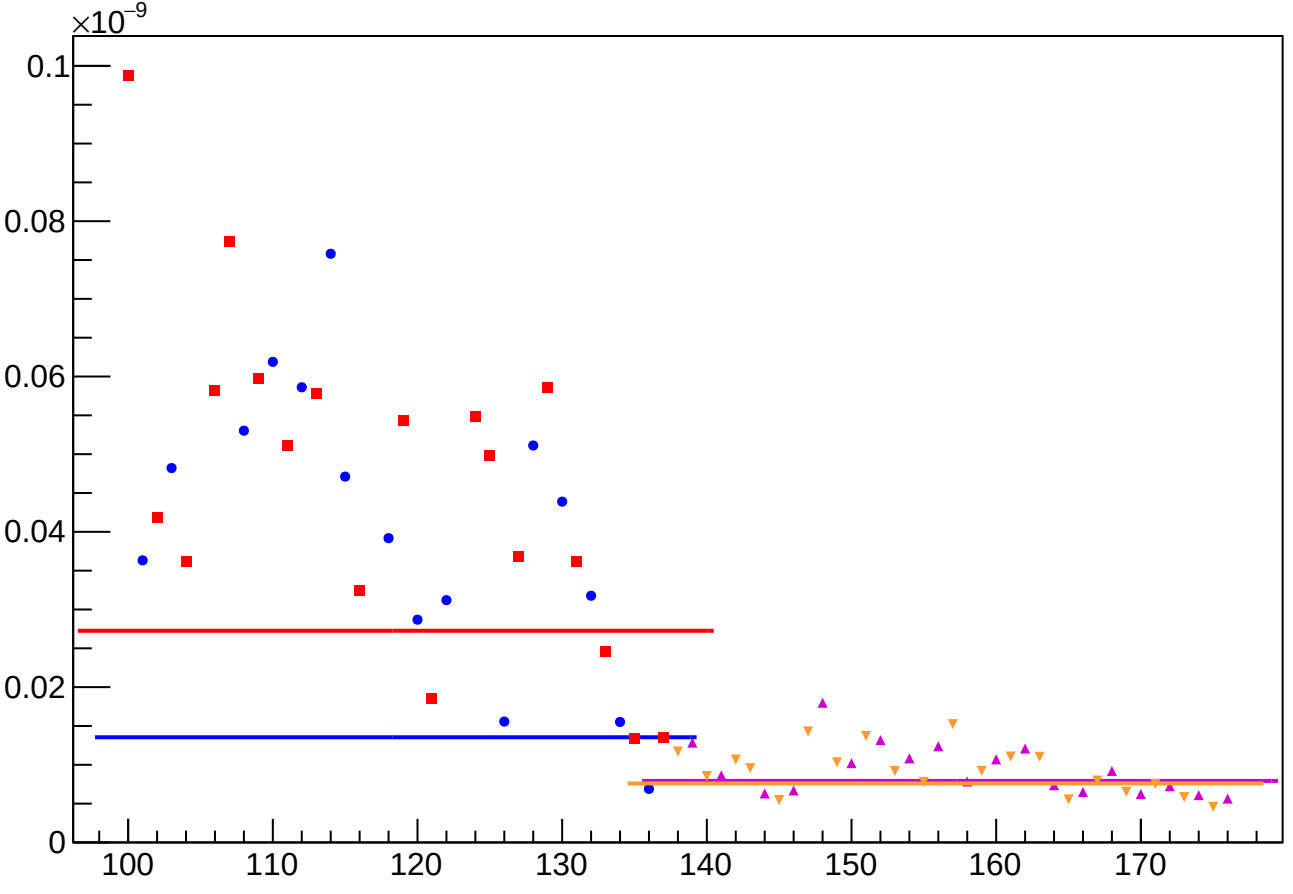
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 45.9/35

All: -0.000+/-0.000 χ^2/NDF: 77.8/73

- sign 0.000+/-0.000 χ^2/NDF: 30.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1424814.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

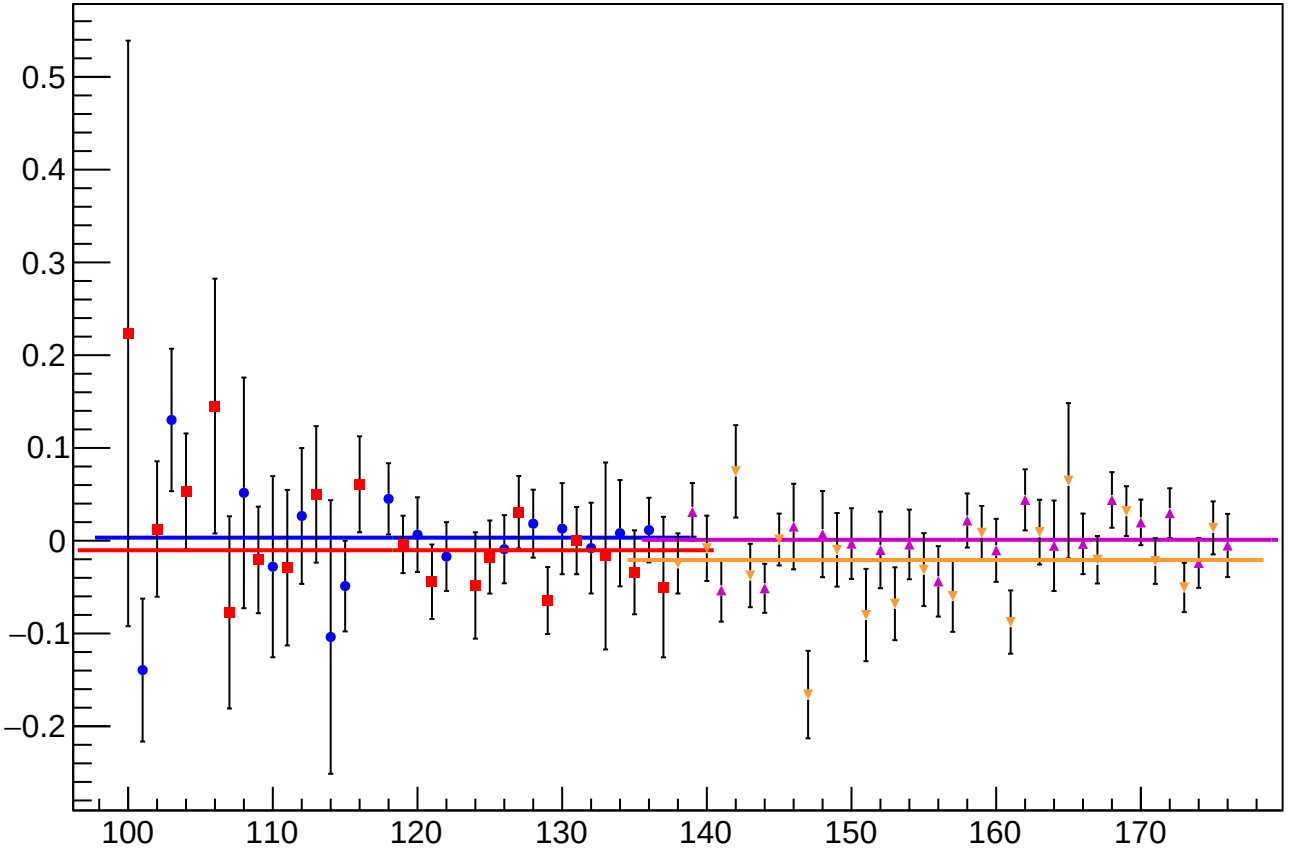
Left In: 0.000+/-0.000 χ^2/NDF:1107490.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 5064564.2/35

All: 0.000+/-0.000 χ^2/NDF: 10341185.4/73

- sign 0.000+/-0.000 χ^2/NDF: 5247434.2/37

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:31.4/19

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

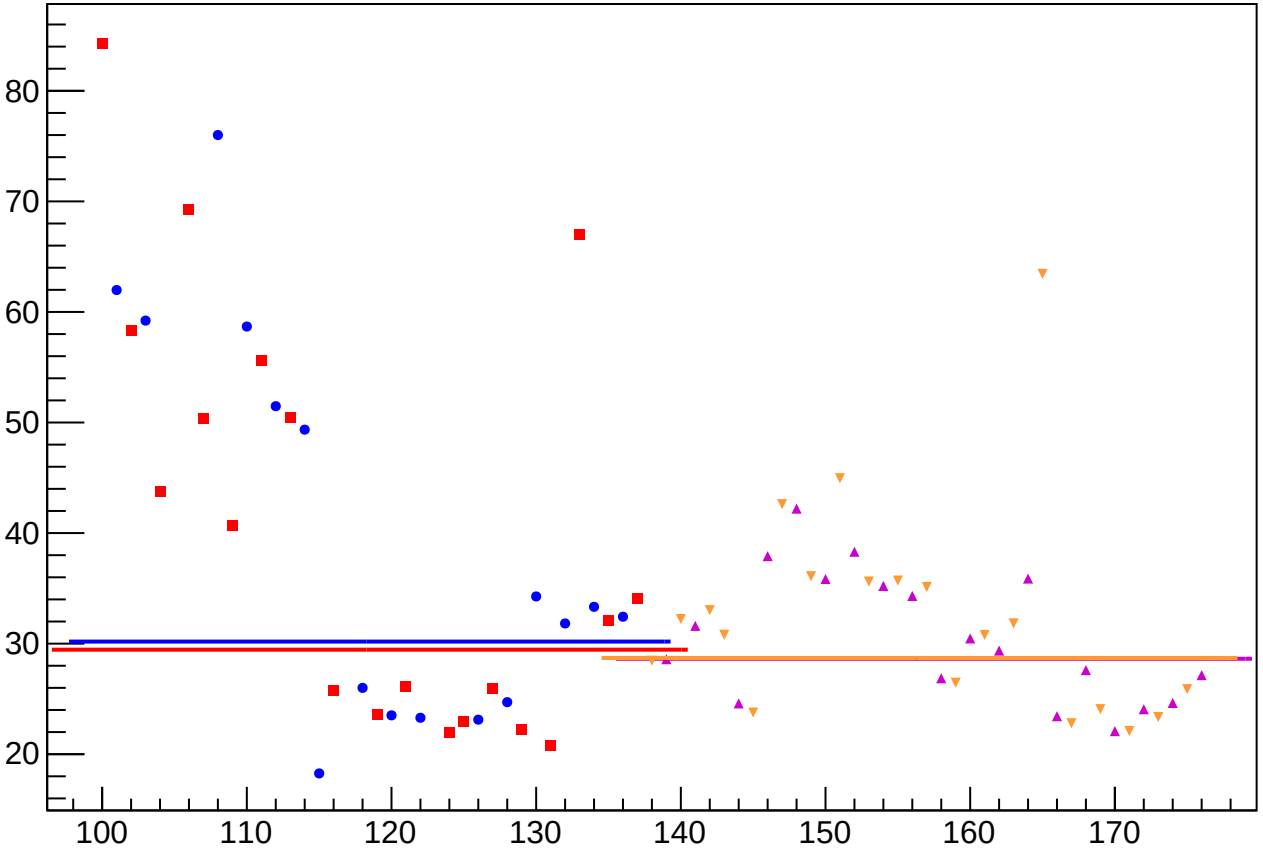
Left In: 0.001+/-0.008 χ^2/NDF:16.1/18

+ sign -0.014+/-0.006 χ^2/NDF: 44.3/35

All: -0.008+/-0.004 χ^2/NDF: 74.1/73

- sign -0.002+/-0.006 χ^2/NDF: 28.0/37

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: 28.703+/-0.005 χ^2/NDF:1533051.3/19

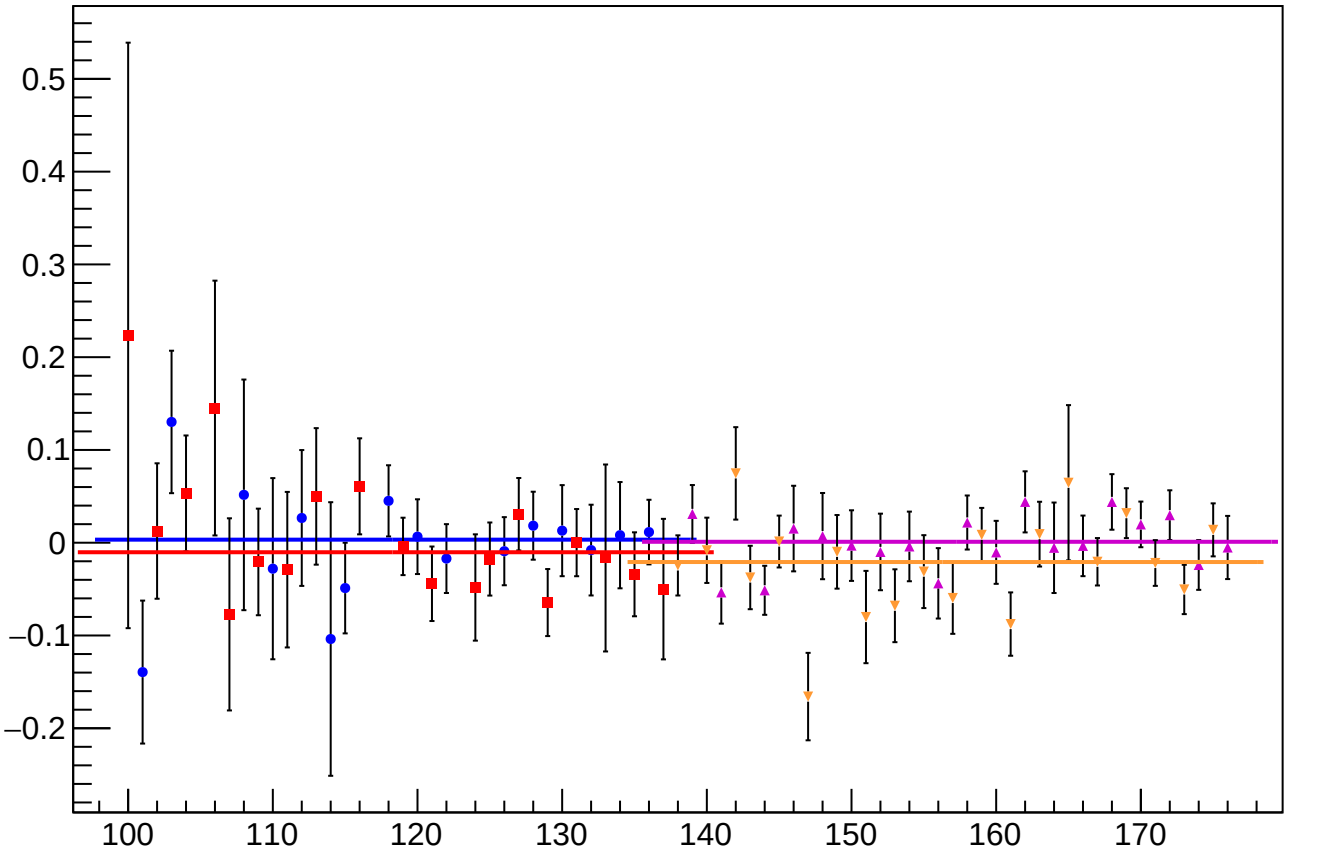
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.632+/-0.005 χ^2/NDF:961431.9/18

+ sign 29.103+/-0.005 χ^2/NDF: 3241744.2/35

All: 28.985+/-0.003 χ^2/NDF: 6060035.2/73

- sign 28.868+/-0.004 χ^2/NDF: 2816923.2/37



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:31.4/19

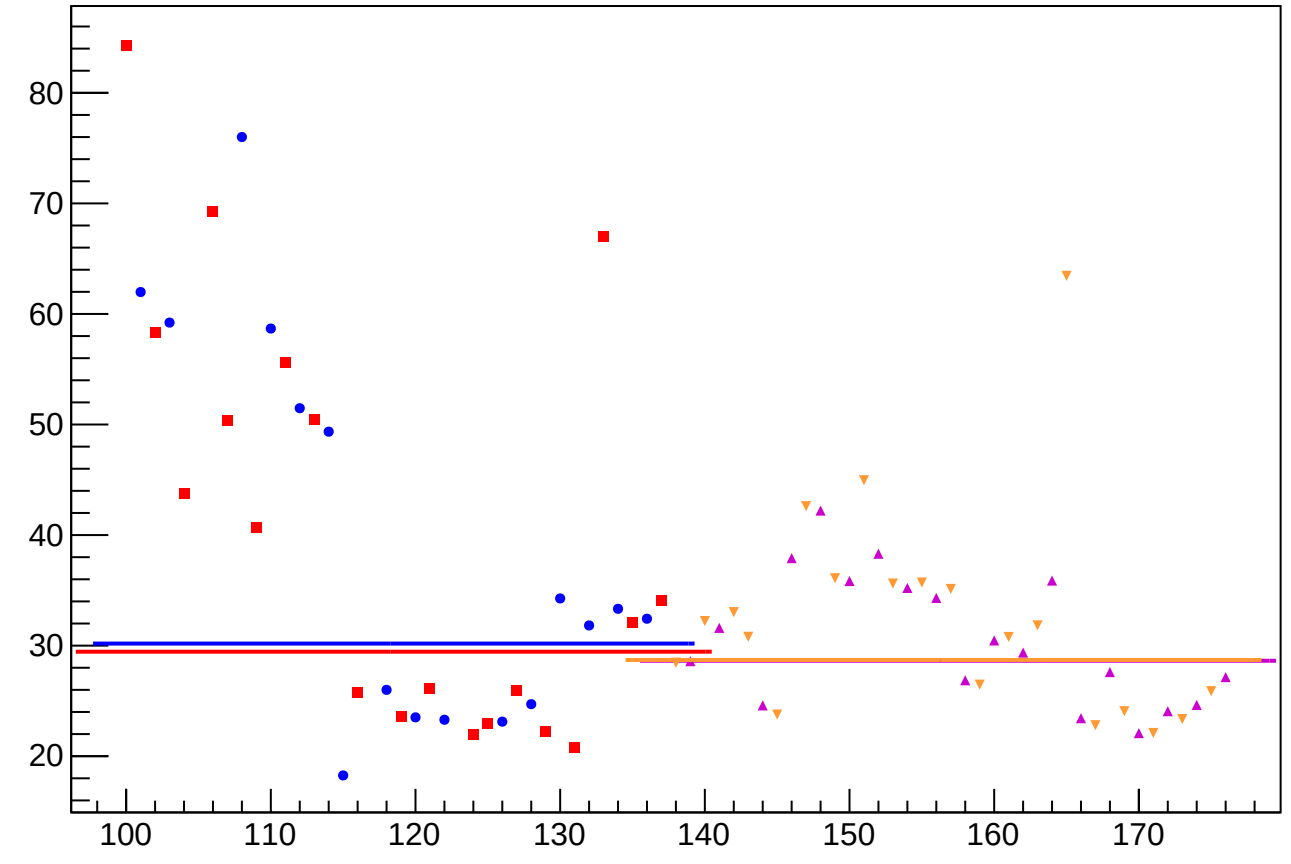
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/18

+ sign -0.014+/-0.006 χ^2/NDF: 44.3/35

All: -0.008+/-0.004 χ^2/NDF: 74.1/73

- sign -0.002+/-0.006 χ^2/NDF: 28.0/37



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533051.3/19

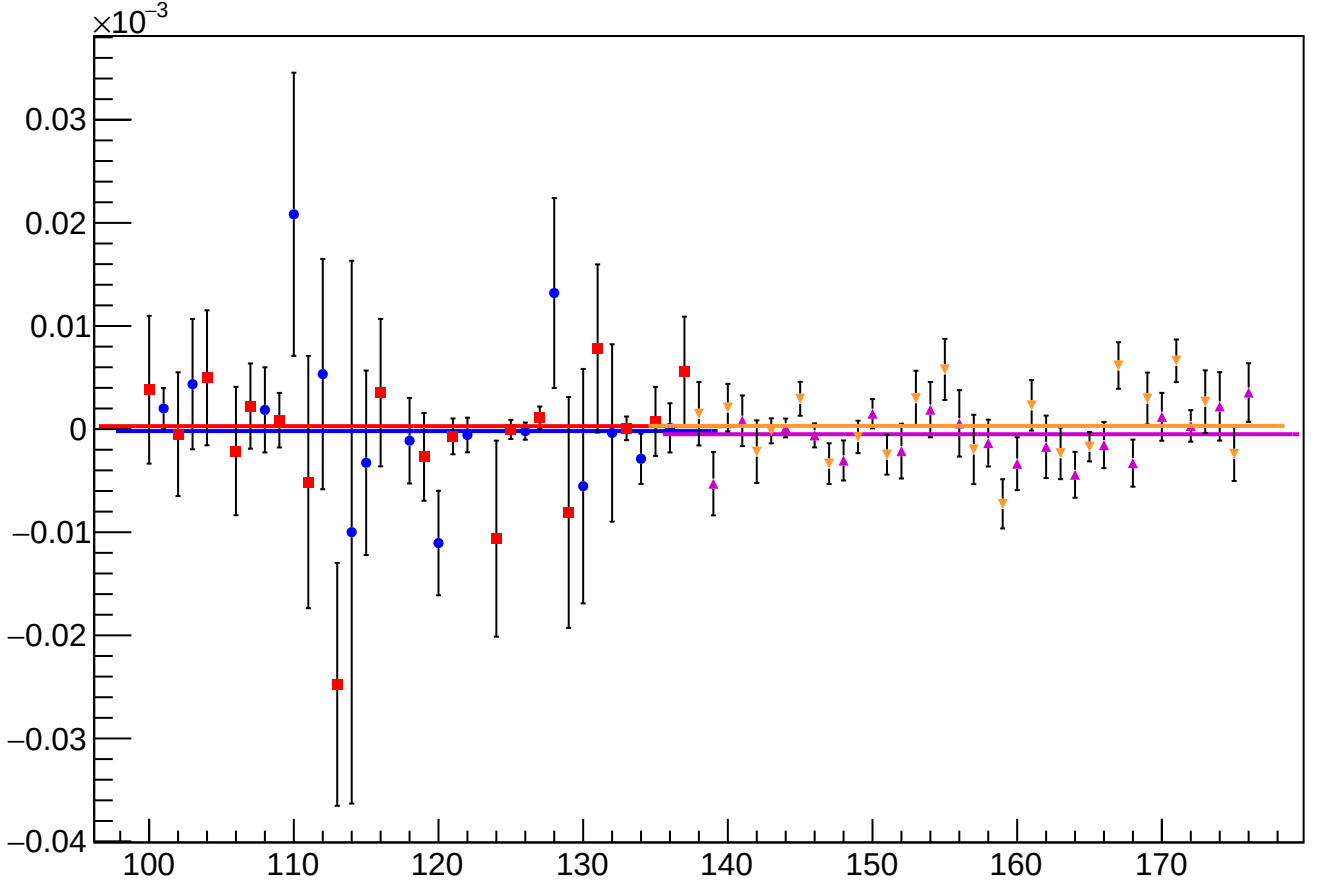
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.632+/-0.005 χ^2/NDF:961431.9/18

+ sign 29.103+/-0.005 χ^2/NDF: 3241744.2/35

All: 28.985+/-0.003 χ^2/NDF: 6060035.2/73

- sign 28.868+/-0.004 χ^2/NDF: 2816923.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.7/19

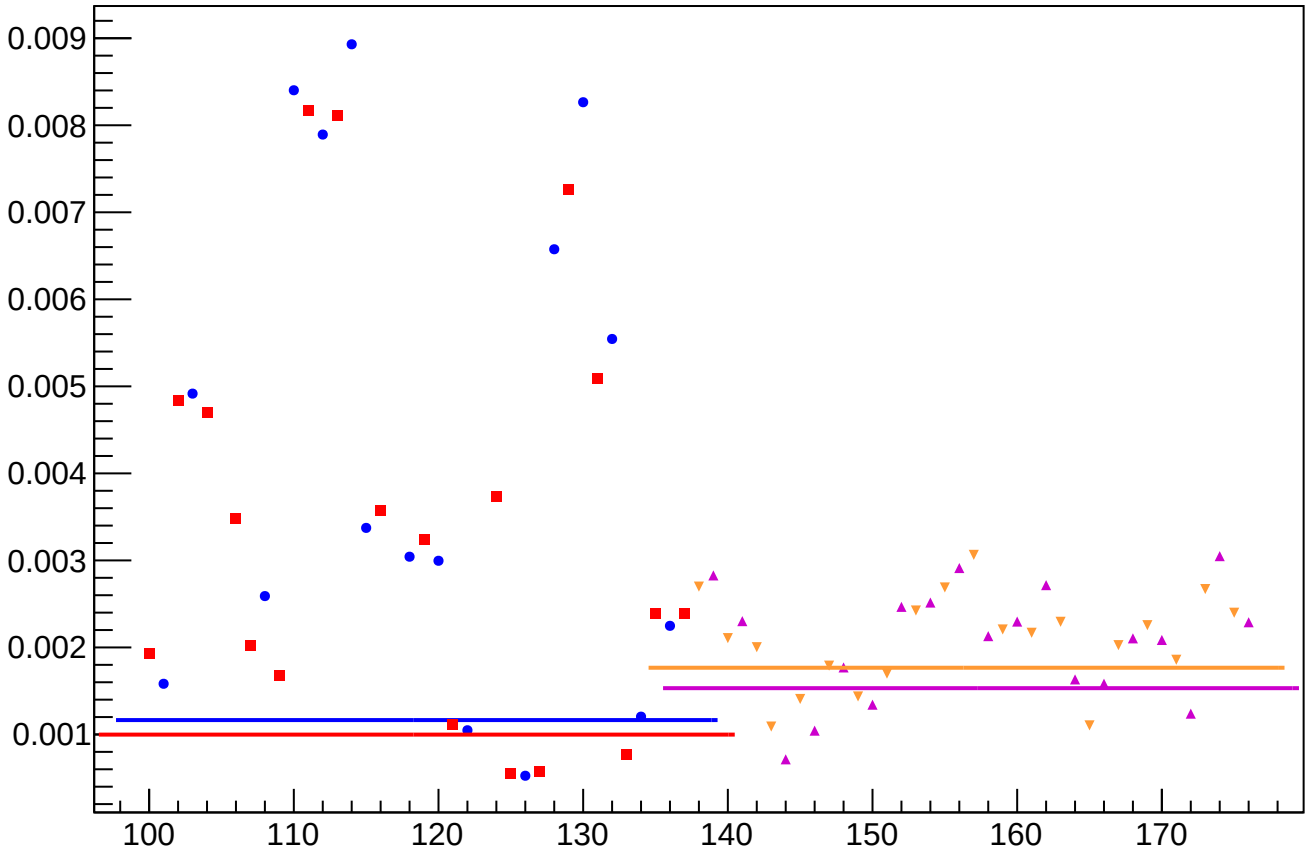
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 61.2/35

All: -0.000+/-0.000 χ^2/NDF: 92.3/73

- sign -0.000+/-0.000 χ^2/NDF: 30.8/37



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2703409.1/19

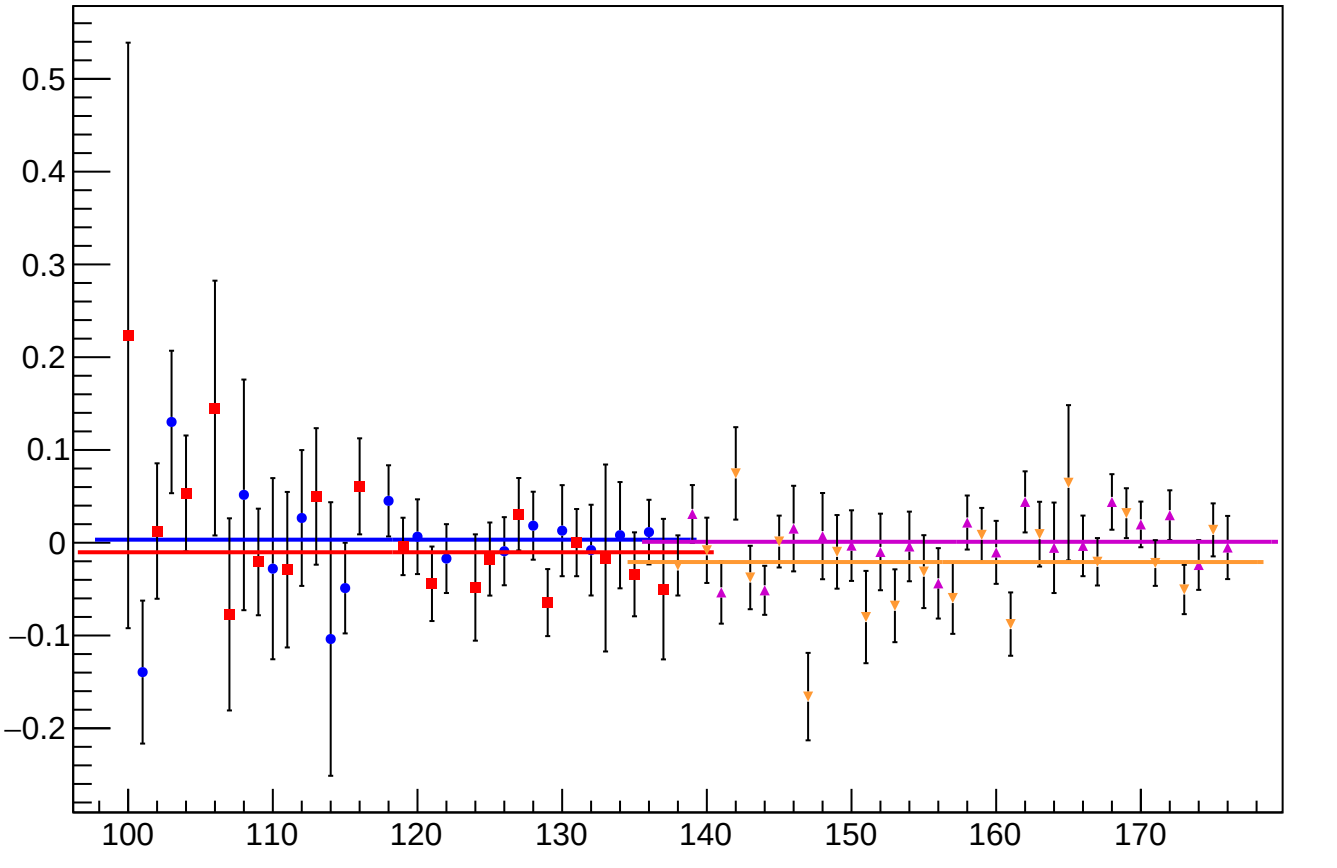
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:4968728.6/18

+ sign 0.002+/-0.000 χ^2/NDF: 10797428.2/35

All: 0.001+/-0.000 χ^2/NDF: 24365787.9/73

- sign 0.001+/-0.000 χ^2/NDF: 13133682.2/37



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:31.4/19

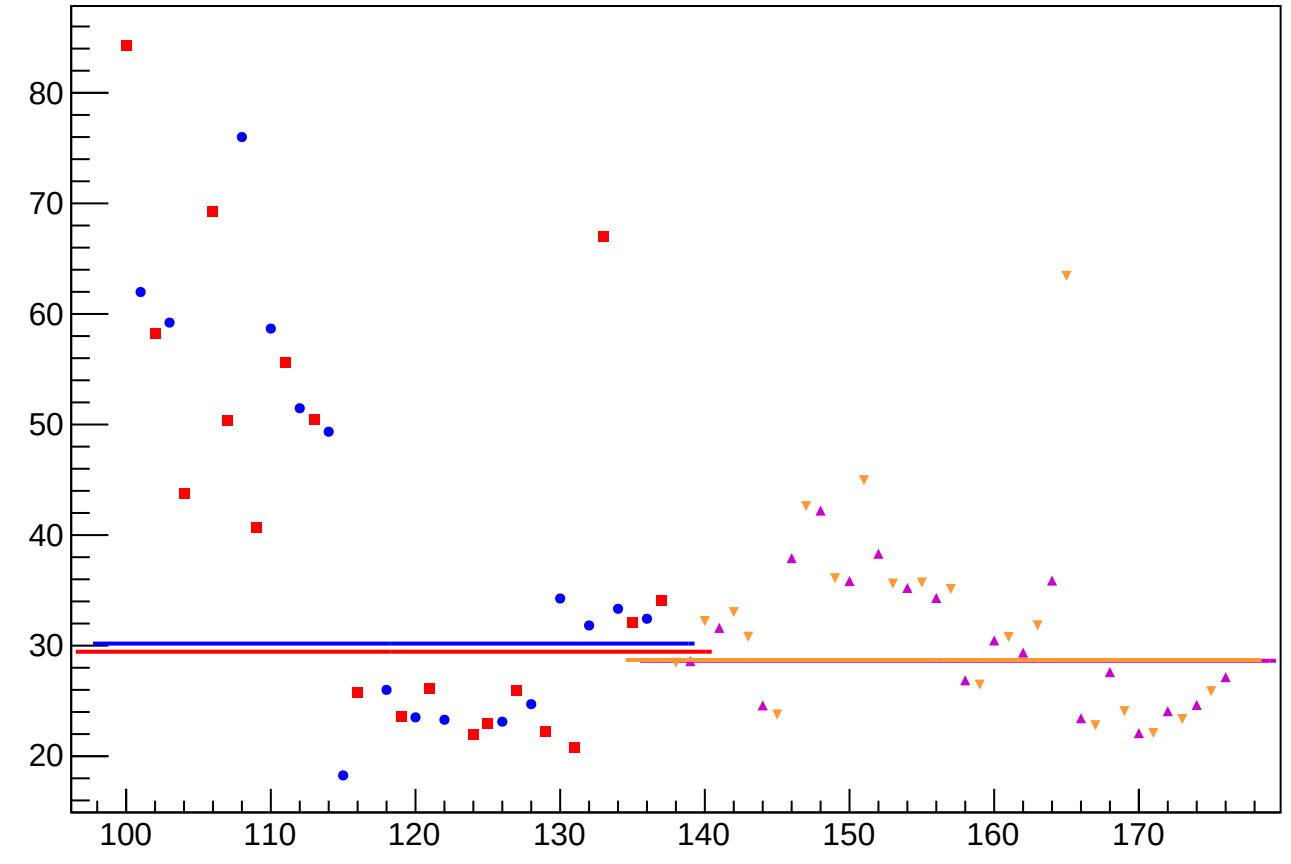
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/18

+ sign -0.014+/-0.006 χ^2/NDF: 44.3/35

All: -0.008+/-0.004 χ^2/NDF: 74.1/73

- sign -0.002+/-0.006 χ^2/NDF: 28.0/37



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533039.6/19

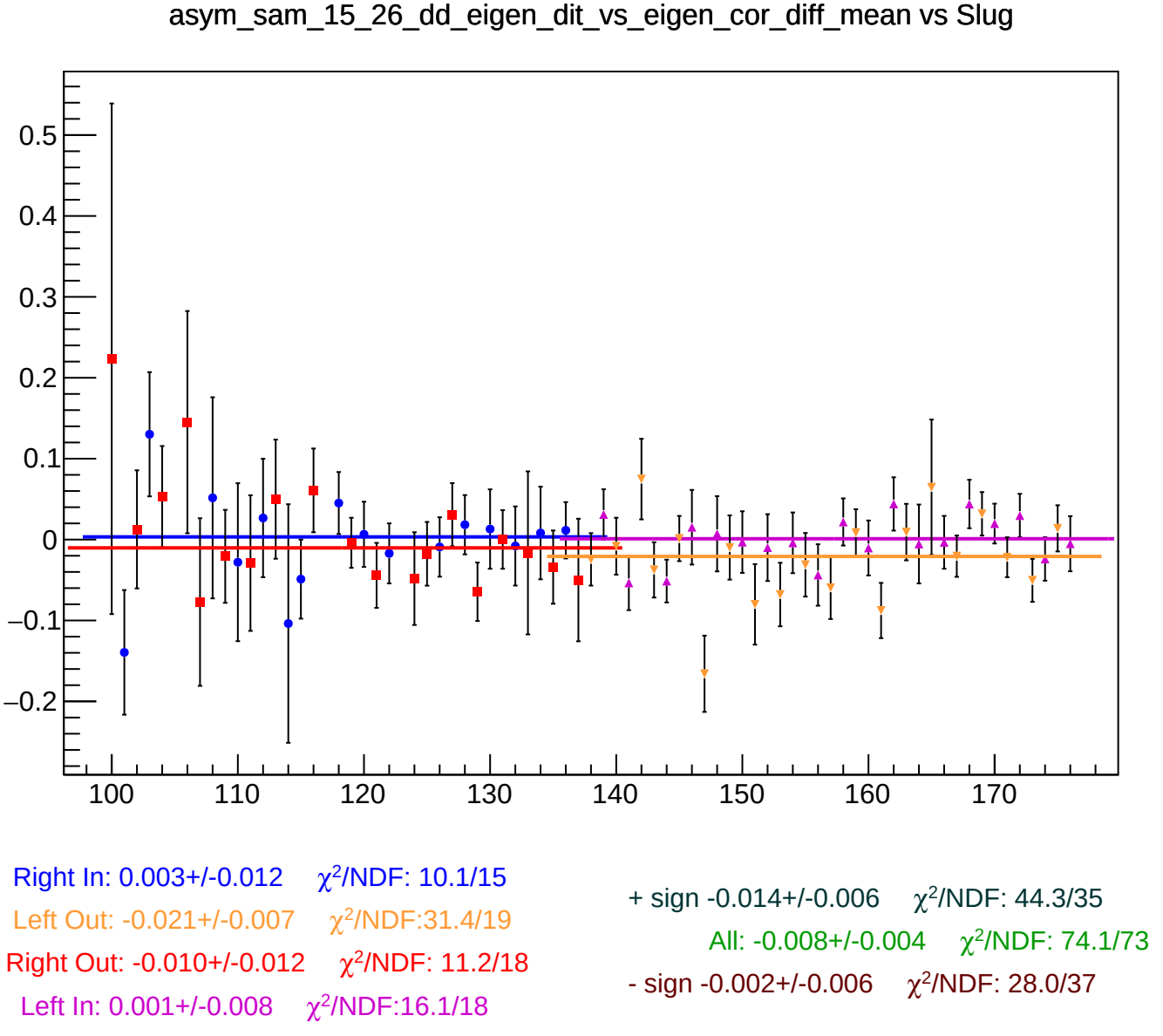
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

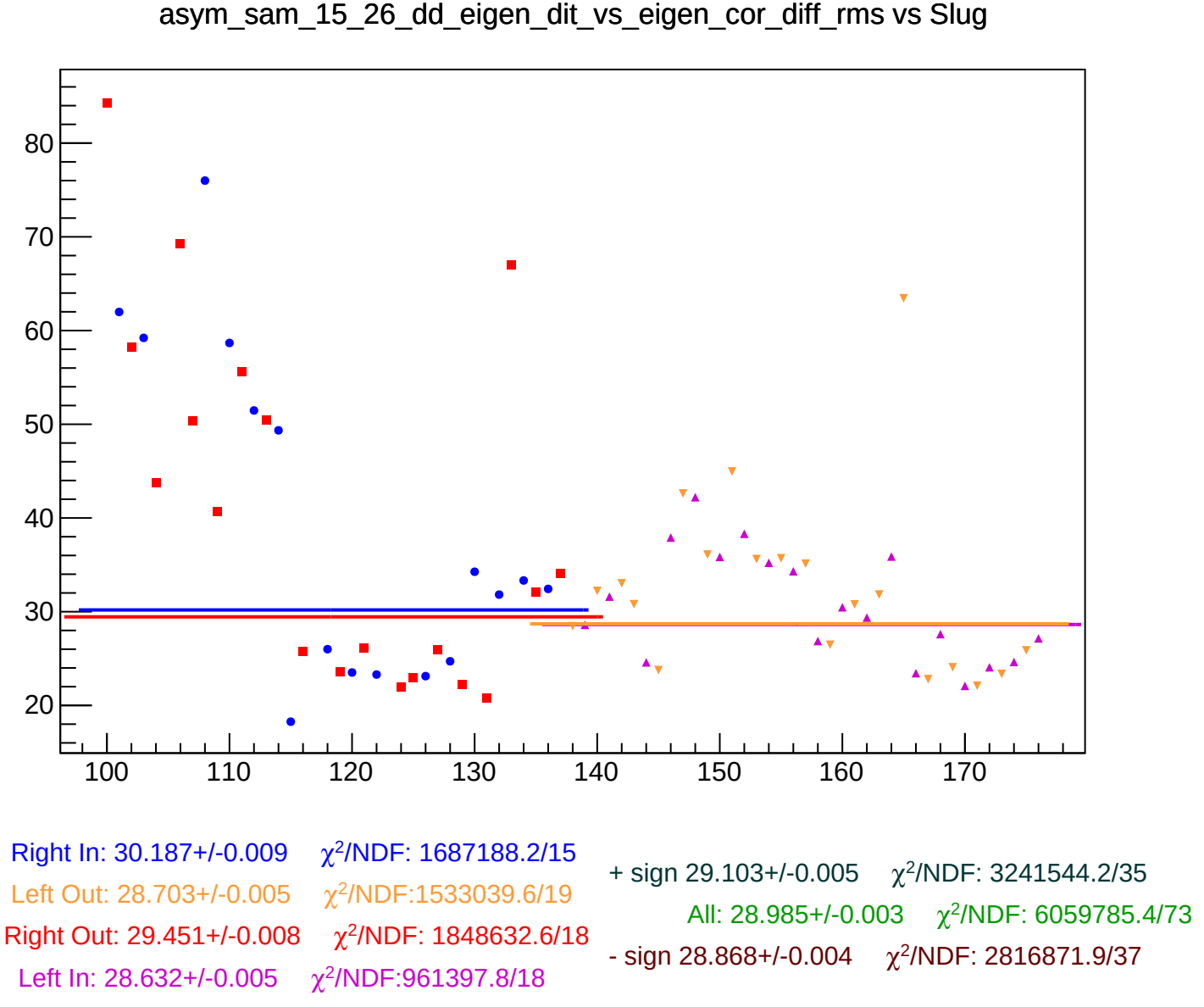
Left In: 28.632+/-0.005 χ^2/NDF:961397.8/18

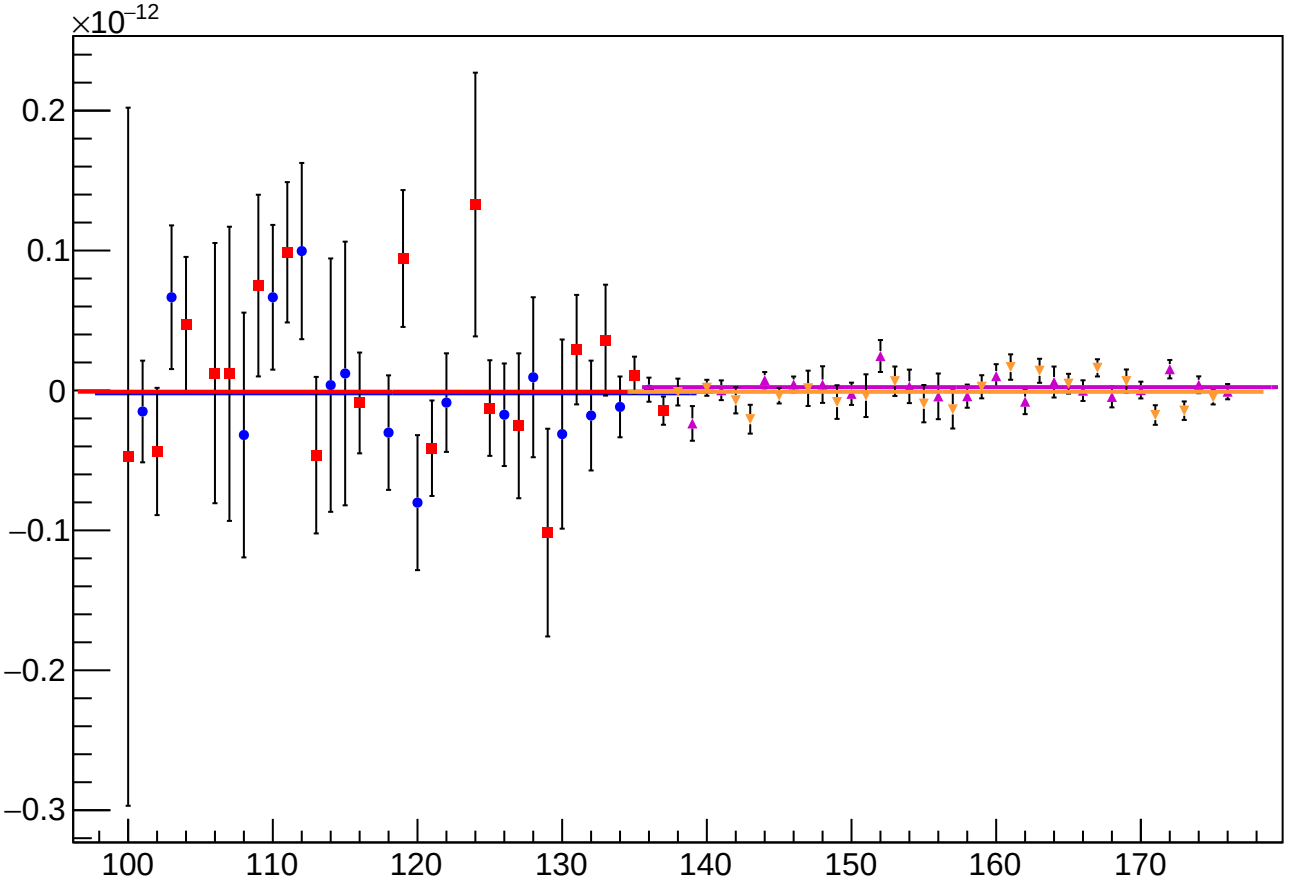
+ sign 29.103+/-0.005 χ^2/NDF: 3241544.2/35

All: 28.985+/-0.003 χ^2/NDF: 6059785.4/73

- sign 28.868+/-0.004 χ^2/NDF: 2816871.9/37


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.021+/-0.007 χ²/NDF:31.4/19
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.001+/-0.008 χ²/NDF:16.1/18
+ sign -0.014+/-0.006 χ²/NDF: 44.3/35
All: -0.008+/-0.004 χ²/NDF: 74.1/73
- sign -0.002+/-0.006 χ²/NDF: 28.0/37


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 28.703+/-0.005 χ²/NDF:1533039.6/19
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 28.632+/-0.005 χ²/NDF:961397.8/18
+ sign 29.103+/-0.005 χ²/NDF: 3241544.2/35
All: 28.985+/-0.003 χ²/NDF: 6059785.4/73
- sign 28.868+/-0.004 χ²/NDF: 2816871.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.4/19

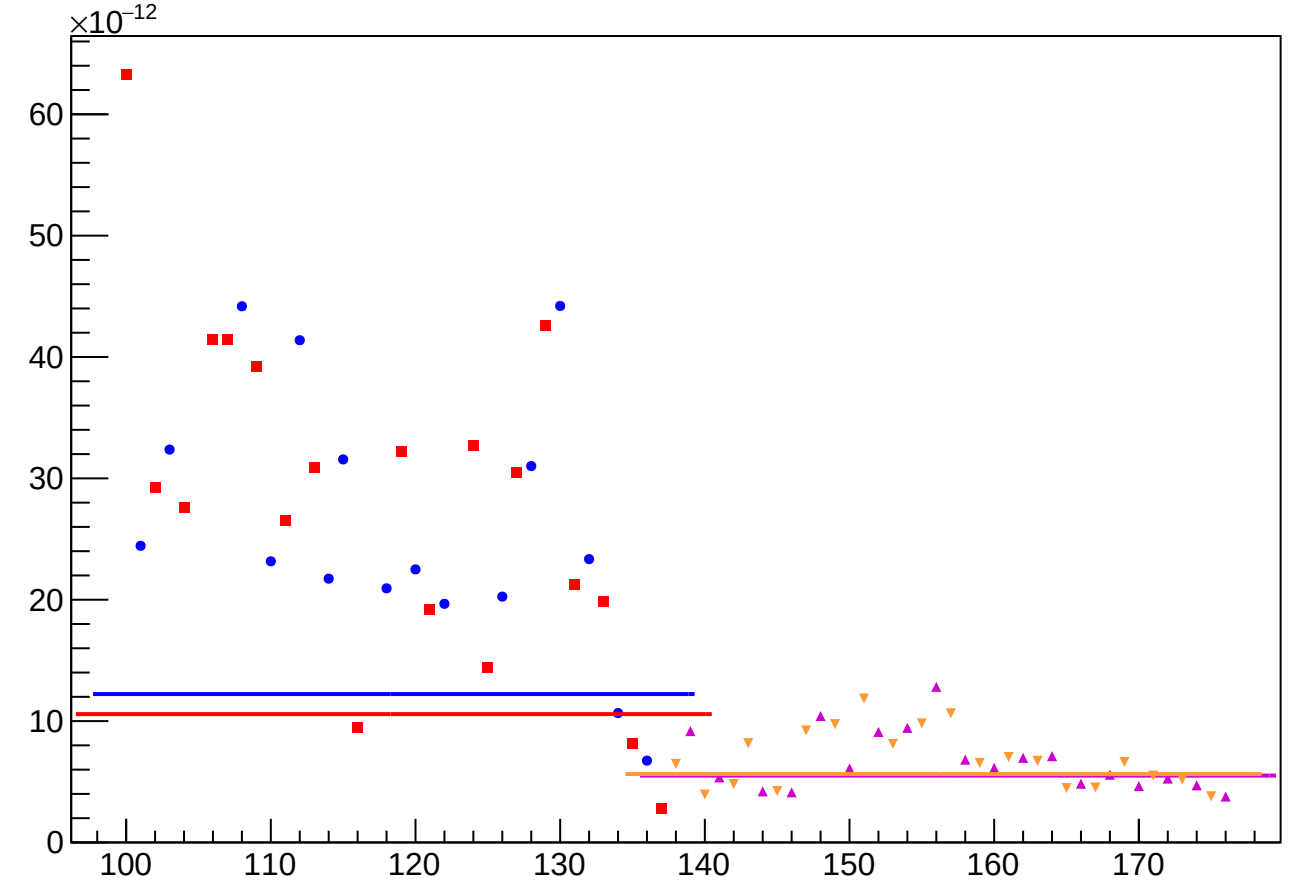
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/35

All: 0.000+/-0.000 χ^2/NDF: 85.1/73

- sign 0.000+/-0.000 χ^2/NDF: 39.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2280076.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

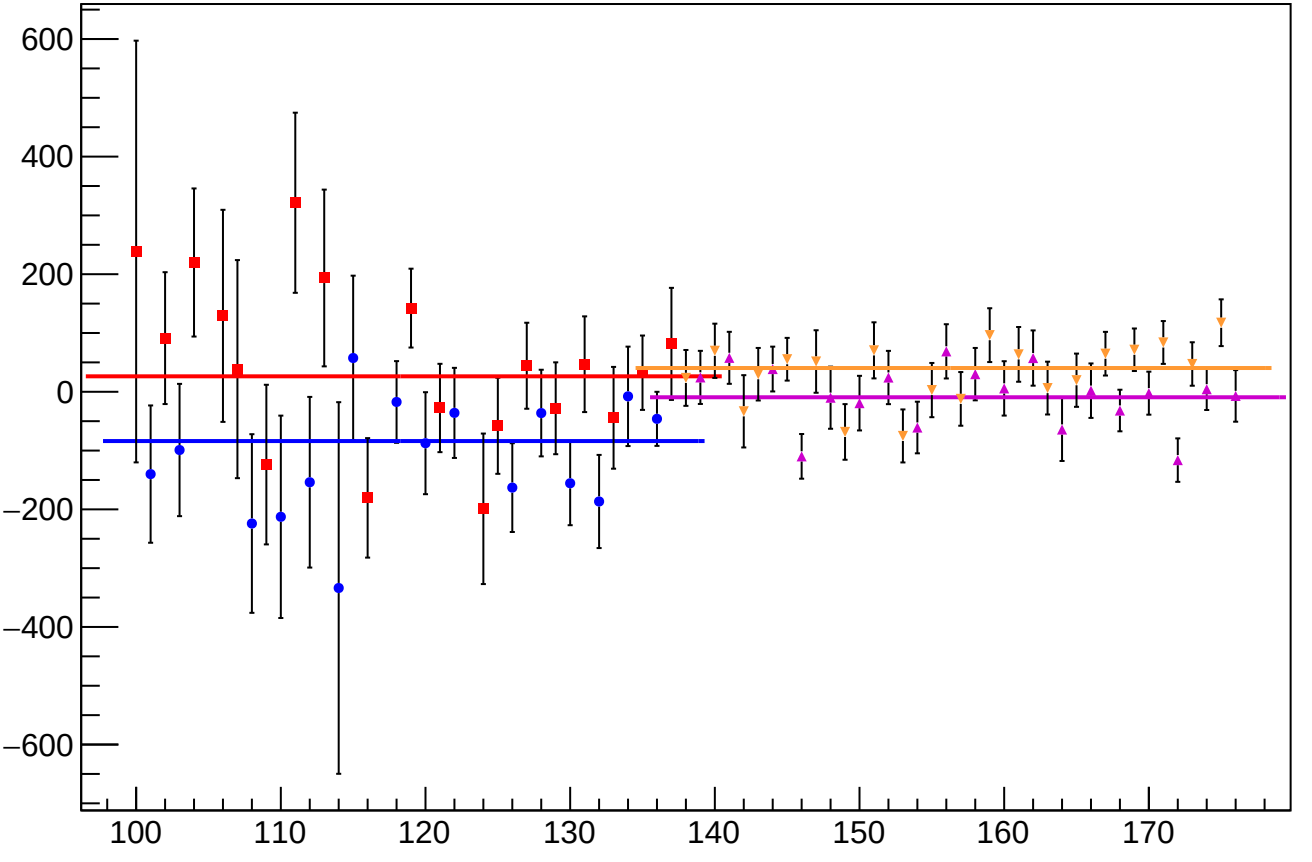
Left In: 0.000+/-0.000 χ^2/NDF:1953078.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 7467258.1/35

All: 0.000+/-0.000 χ^2/NDF: 15288305.5/73

- sign 0.000+/-0.000 χ^2/NDF: 7804681.4/37

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 40.424+/-9.692 χ^2/NDF:25.4/19

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

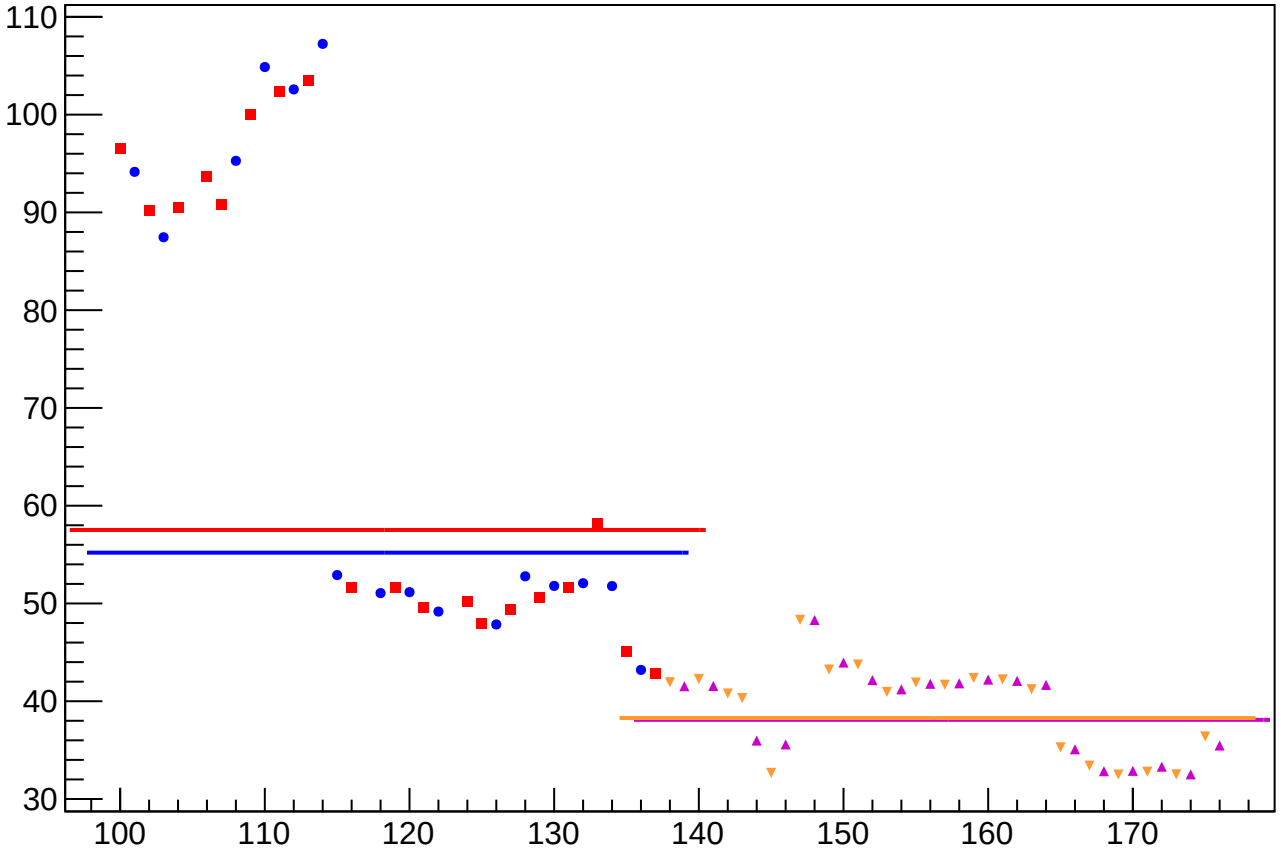
Left In: -9.316+/-9.750 χ^2/NDF:29.2/18

+ sign 19.337+/-8.831 χ^2/NDF: 63.8/35

All: 8.033+/-6.275 χ^2/NDF: 121.5/73

- sign -3.498+/-8.919 χ^2/NDF: 54.4/37

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 38.284+/-0.007 χ^2/NDF:464021.6/19

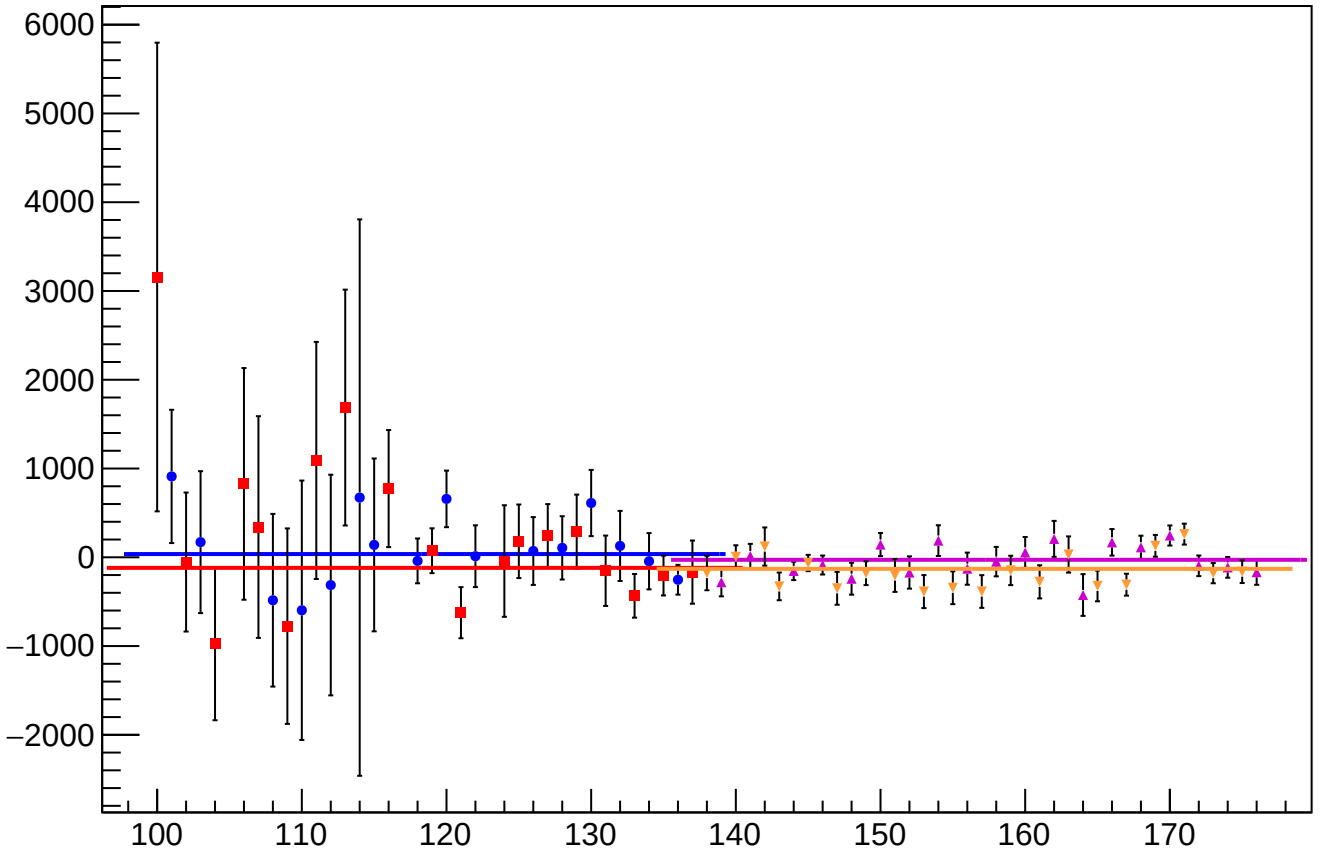
Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.096+/-0.007 χ^2/NDF:421320.1/18

+ sign 41.155+/-0.006 χ^2/NDF: 2650555.1/35

All: 41.211+/-0.004 χ^2/NDF: 5650231.2/73

- sign 41.269+/-0.006 χ^2/NDF: 2999511.7/37



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -130.018+/-32.725 χ^2/NDF:31.8/19

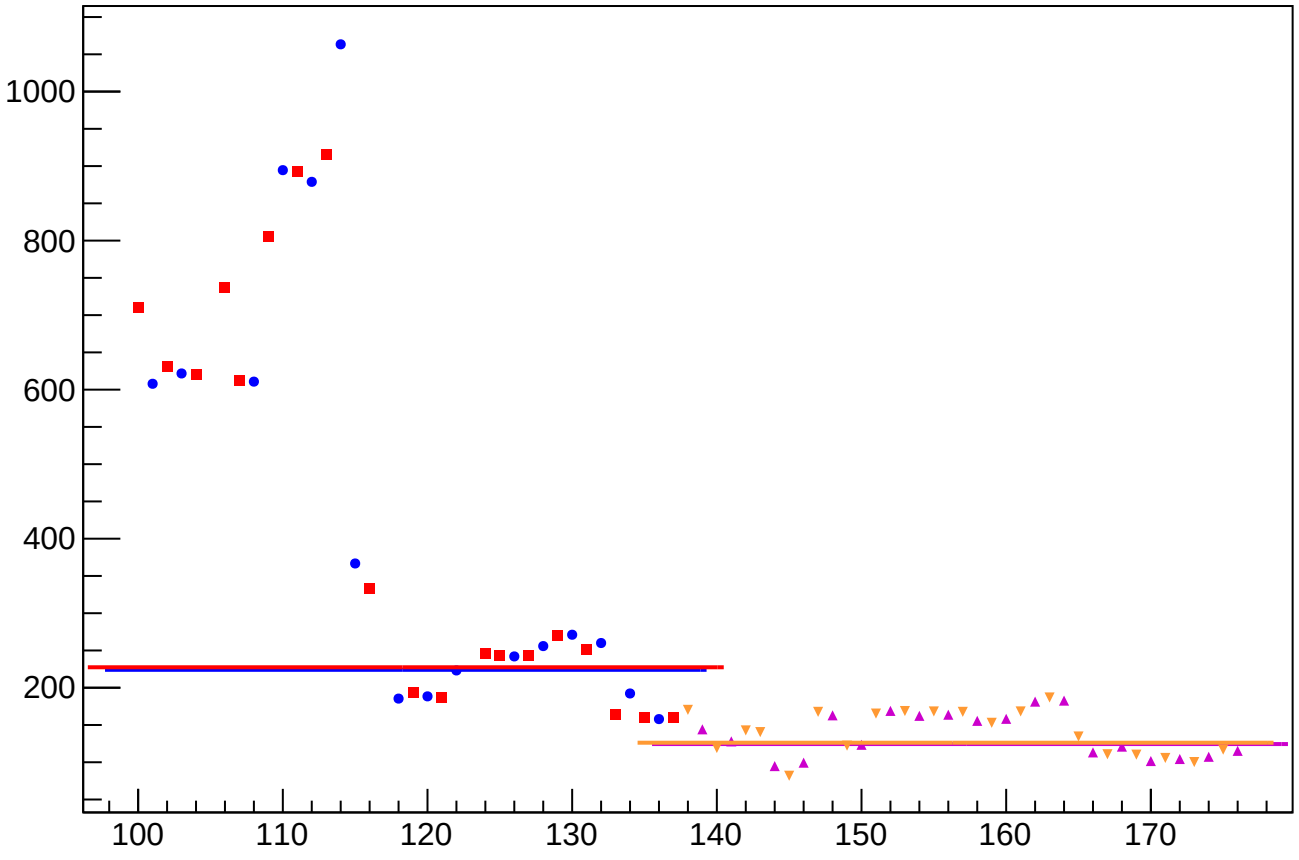
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -28.389+/-32.473 χ^2/NDF:25.0/18

+ sign -111.886+/-30.890 χ^2/NDF: 46.1/35

All: -74.650+/-21.795 χ^2/NDF: 90.8/73

- sign -37.739+/-30.755 χ^2/NDF: 41.8/37



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 126.227+/-0.023 χ^2/NDF:1681042.9/19

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

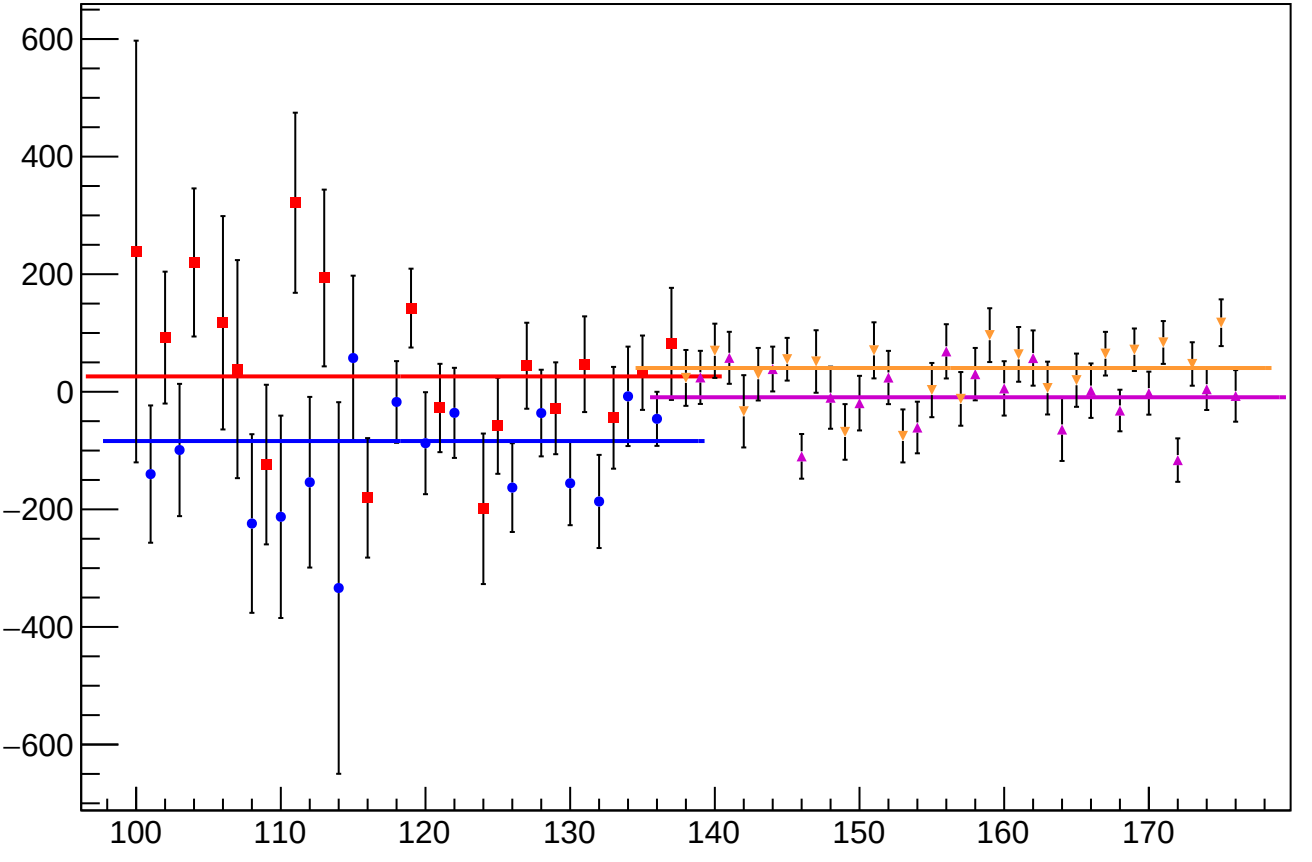
Left In: 124.412+/-0.023 χ^2/NDF:1338698.4/18

+ sign 136.889+/-0.022 χ^2/NDF: 6596716.1/35

All: 135.953+/-0.015 χ^2/NDF: 13653630.9/73

- sign 135.024+/-0.022 χ^2/NDF: 7053253.8/37

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 40.425+/-9.692 χ^2/NDF:25.4/19

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

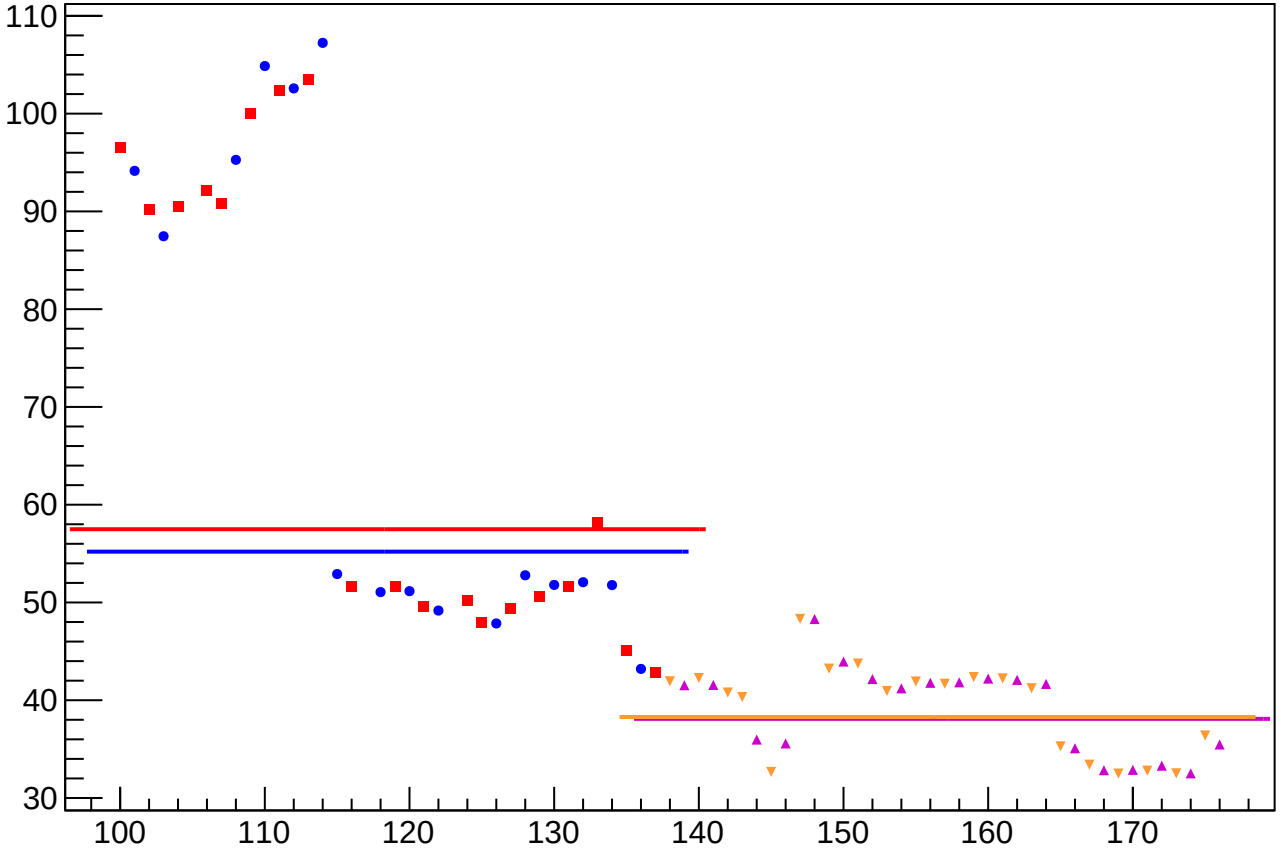
Left In: -9.316+/-9.750 χ^2/NDF:29.2/18

+ sign 19.339+/-8.831 χ^2/NDF: 63.8/35

All: 8.020+/-6.275 χ^2/NDF: 121.4/73

- sign -3.525+/-8.919 χ^2/NDF: 54.3/37

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.284+/-0.007 χ^2/NDF:464021.6/19

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

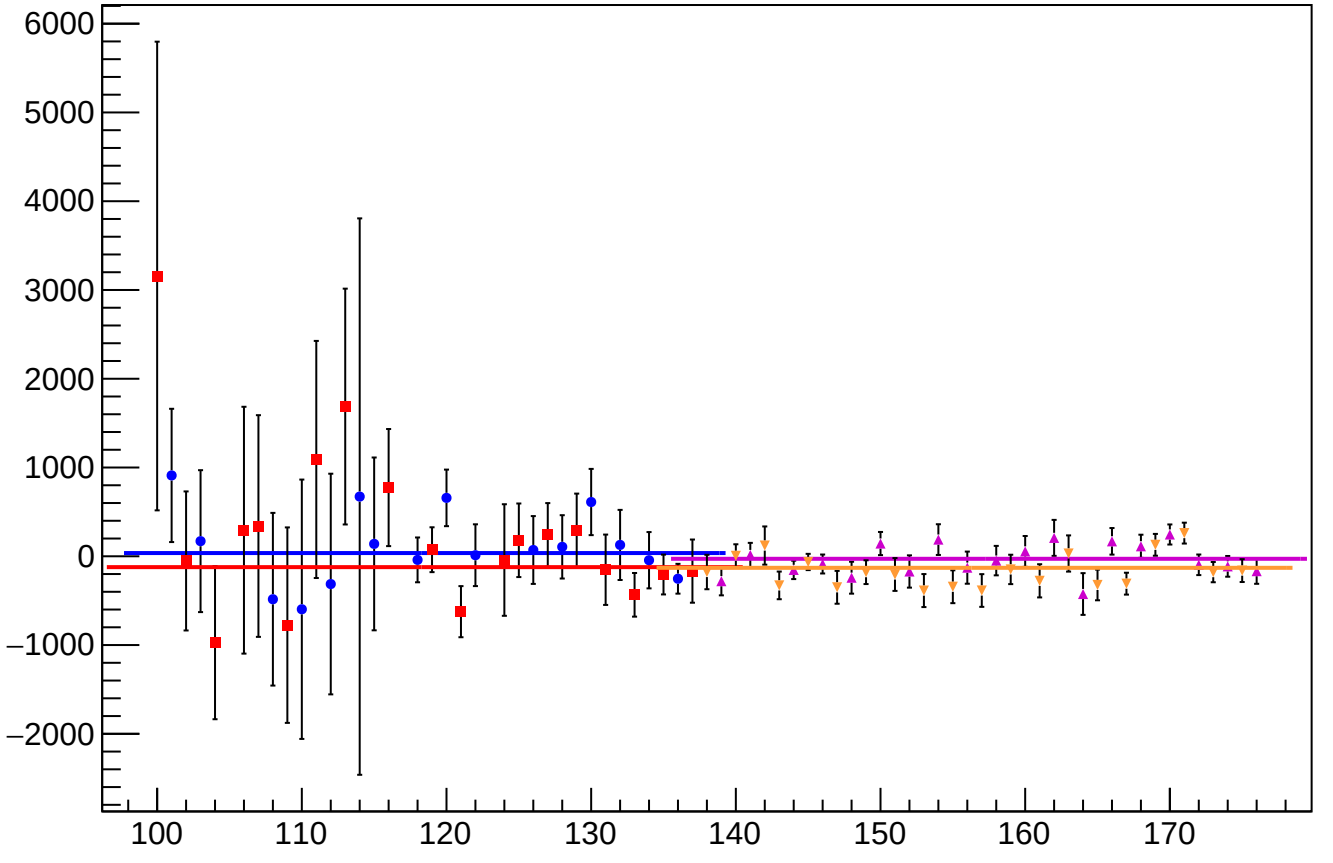
Left In: 38.096+/-0.007 χ^2/NDF:421320.0/18

+ sign 41.155+/-0.006 χ^2/NDF: 2650555.4/35

All: 41.209+/-0.004 χ^2/NDF: 5638751.6/73

- sign 41.263+/-0.006 χ^2/NDF: 2988046.6/37

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -130.019+/-32.725 χ^2/NDF:31.8/19

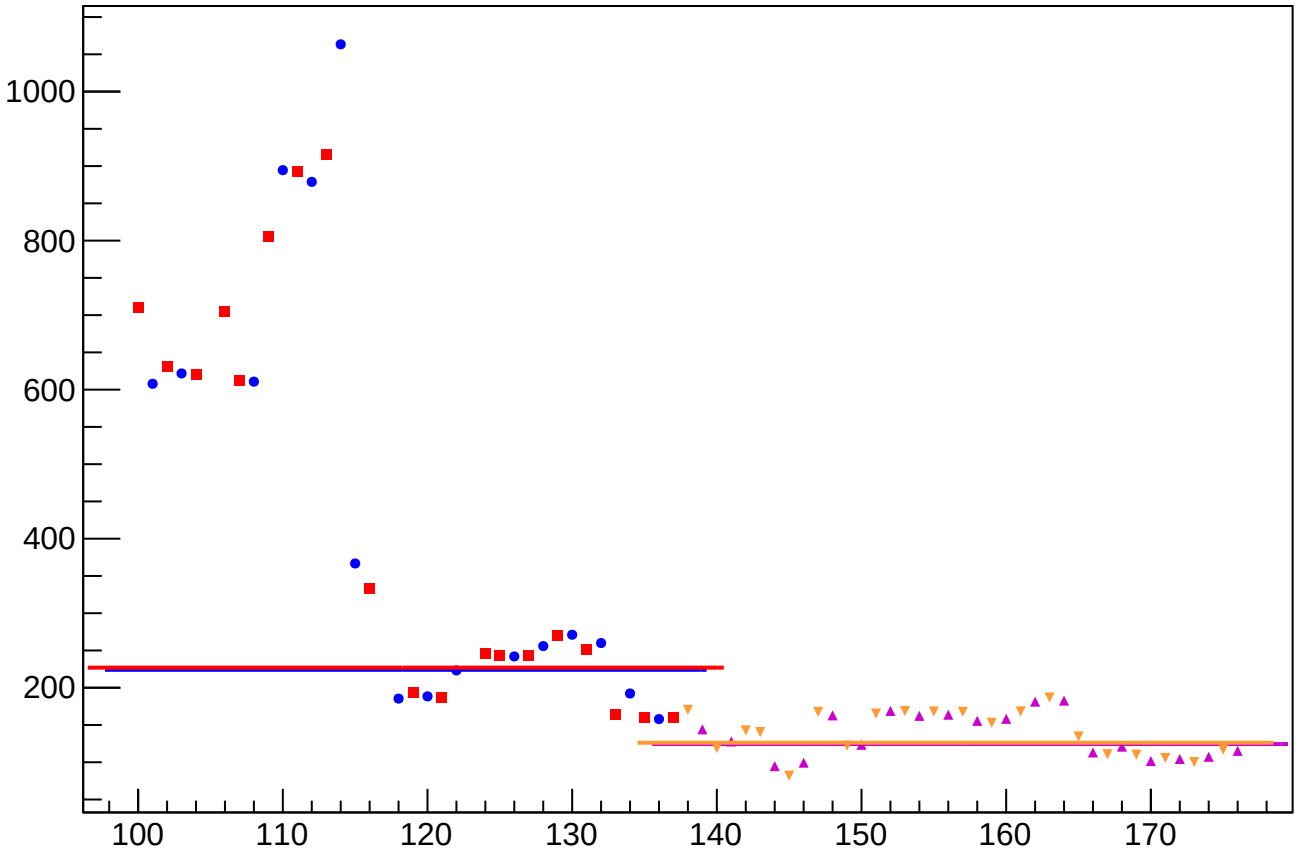
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -28.390+/-32.473 χ^2/NDF:25.0/18

+ sign -111.887+/-30.890 χ^2/NDF: 46.1/35

All: -74.811+/-21.795 χ^2/NDF: 90.4/73

- sign -38.055+/-30.756 χ^2/NDF: 41.4/37



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.227+/-0.023 χ^2/NDF:1681041.6/19

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

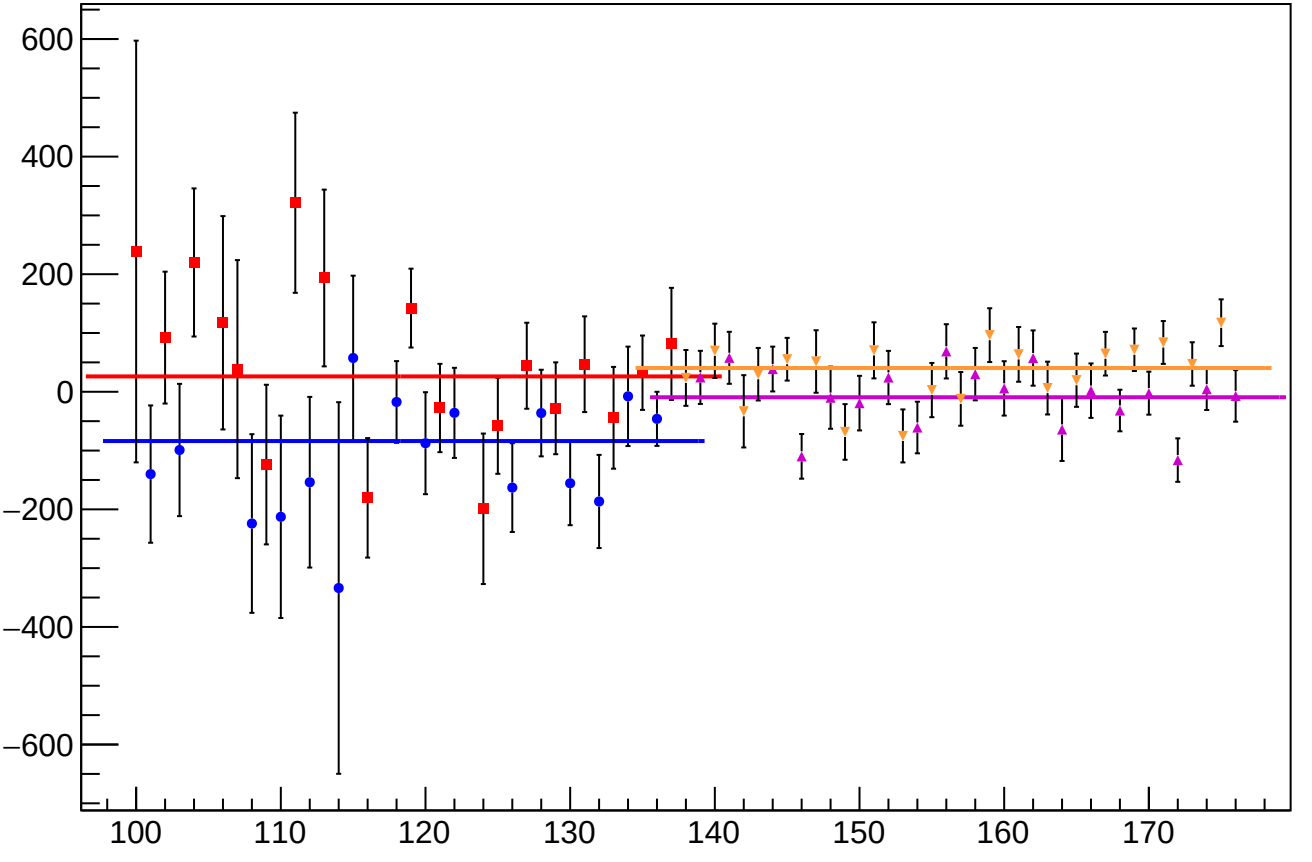
Left In: 124.412+/-0.023 χ^2/NDF:1338706.5/18

+ sign 136.889+/-0.022 χ^2/NDF: 6596720.7/35

All: 135.925+/-0.015 χ^2/NDF: 13564705.9/73

- sign 134.969+/-0.022 χ^2/NDF: 6964102.1/37

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 40.425+/-9.692 χ^2/NDF:25.4/19

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

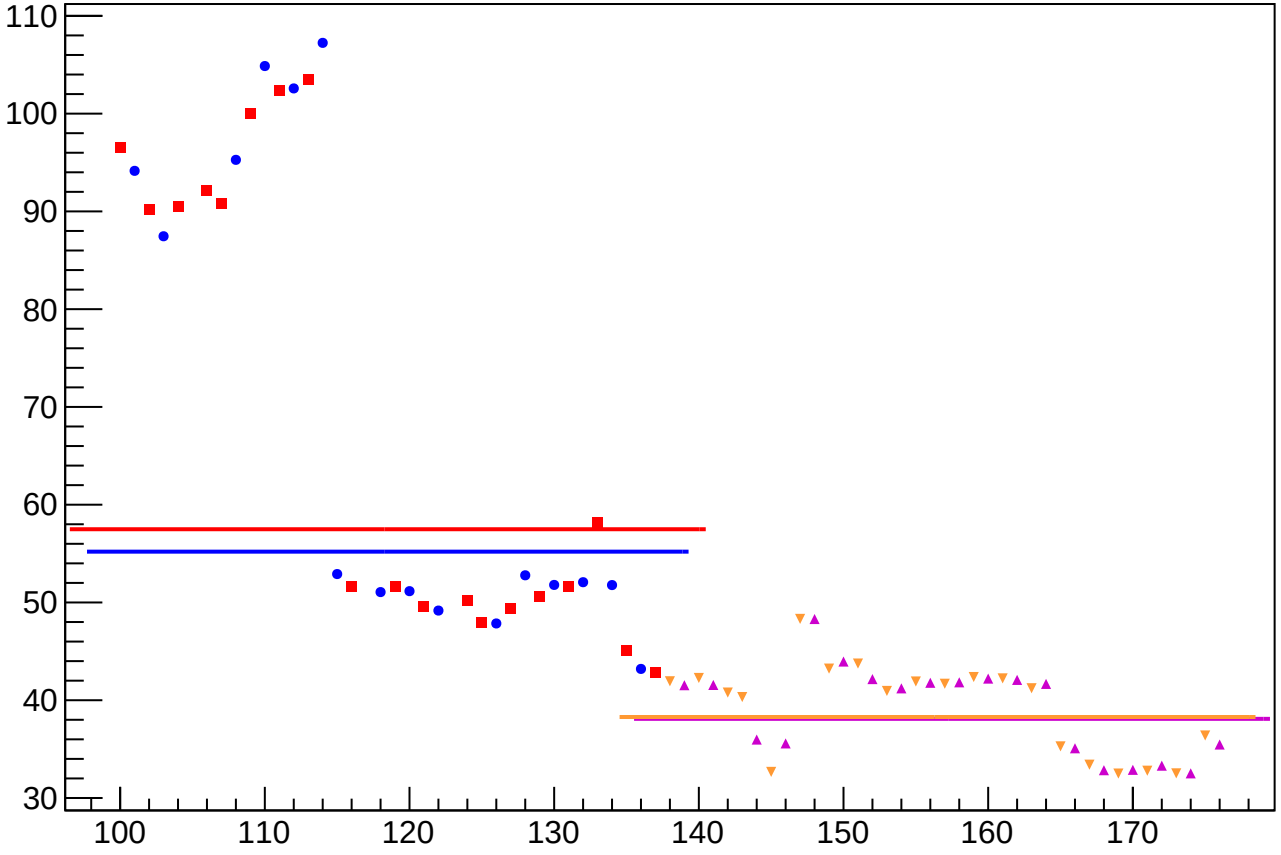
Left In: -9.316+/-9.750 χ^2/NDF:29.2/18

+ sign 19.339+/-8.831 χ^2/NDF: 63.8/35

All: 8.020+/-6.275 χ^2/NDF: 121.4/73

- sign -3.525+/-8.919 χ^2/NDF: 54.3/37

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.284+/-0.007 χ^2/NDF:464021.6/19

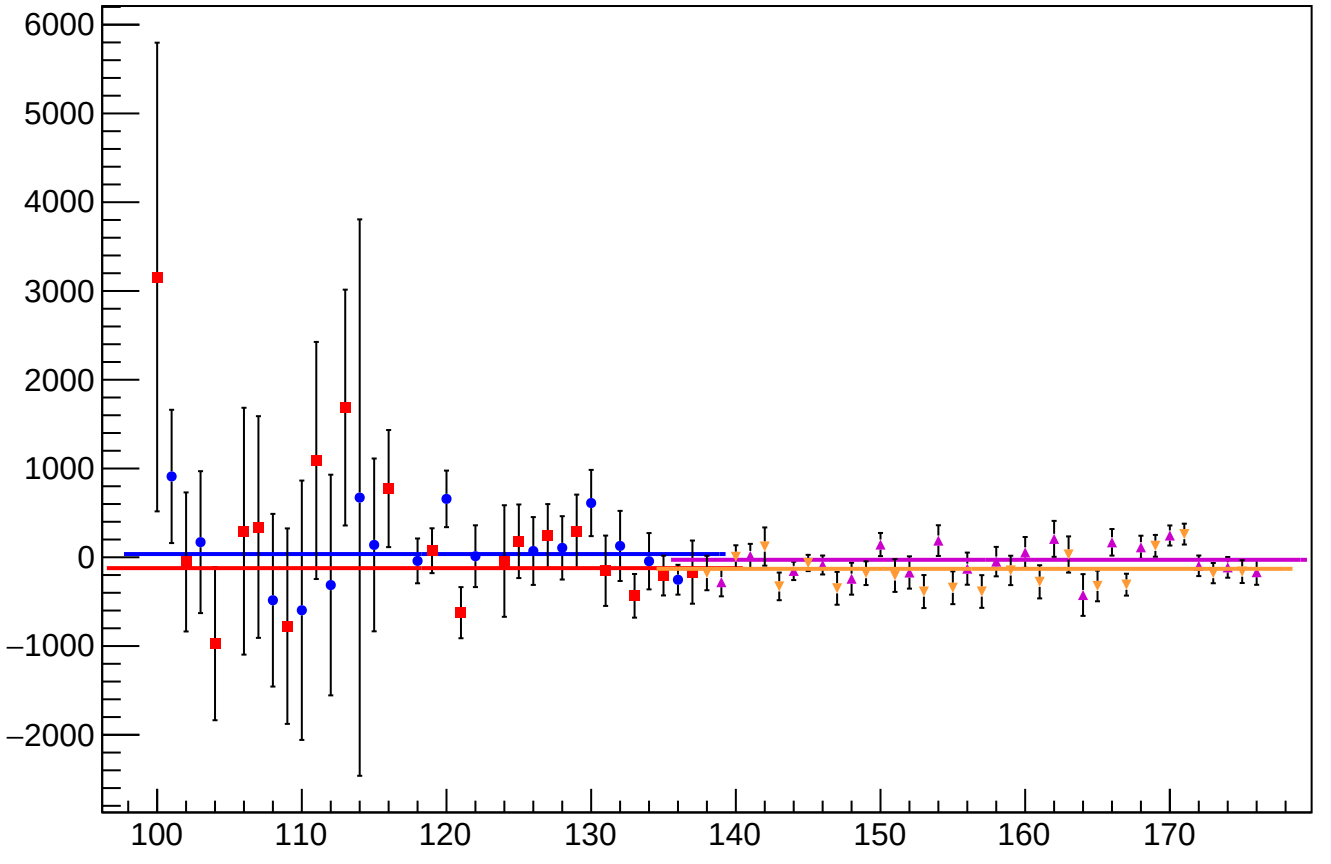
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.096+/-0.007 χ^2/NDF:421320.0/18

+ sign 41.155+/-0.006 χ^2/NDF: 2650555.4/35

All: 41.209+/-0.004 χ^2/NDF: 5638751.6/73

- sign 41.263+/-0.006 χ^2/NDF: 2988046.6/37



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -130.019+/-32.725 χ^2/NDF:31.8/19

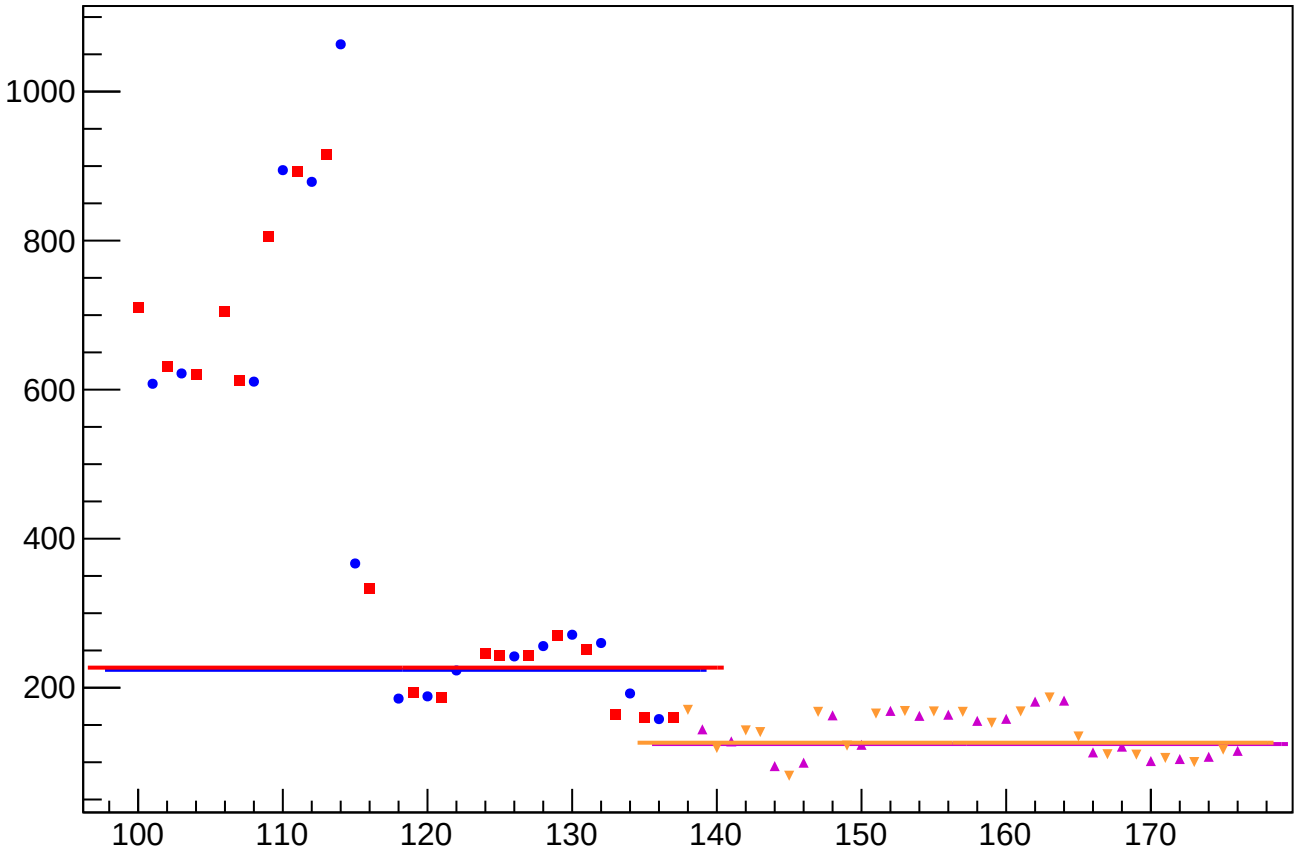
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -28.390+/-32.473 χ^2/NDF:25.0/18

+ sign -111.887+/-30.890 χ^2/NDF: 46.1/35

All: -74.811+/-21.795 χ^2/NDF: 90.4/73

- sign -38.055+/-30.756 χ^2/NDF: 41.4/37



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.227+/-0.023 χ^2/NDF:1681041.6/19

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

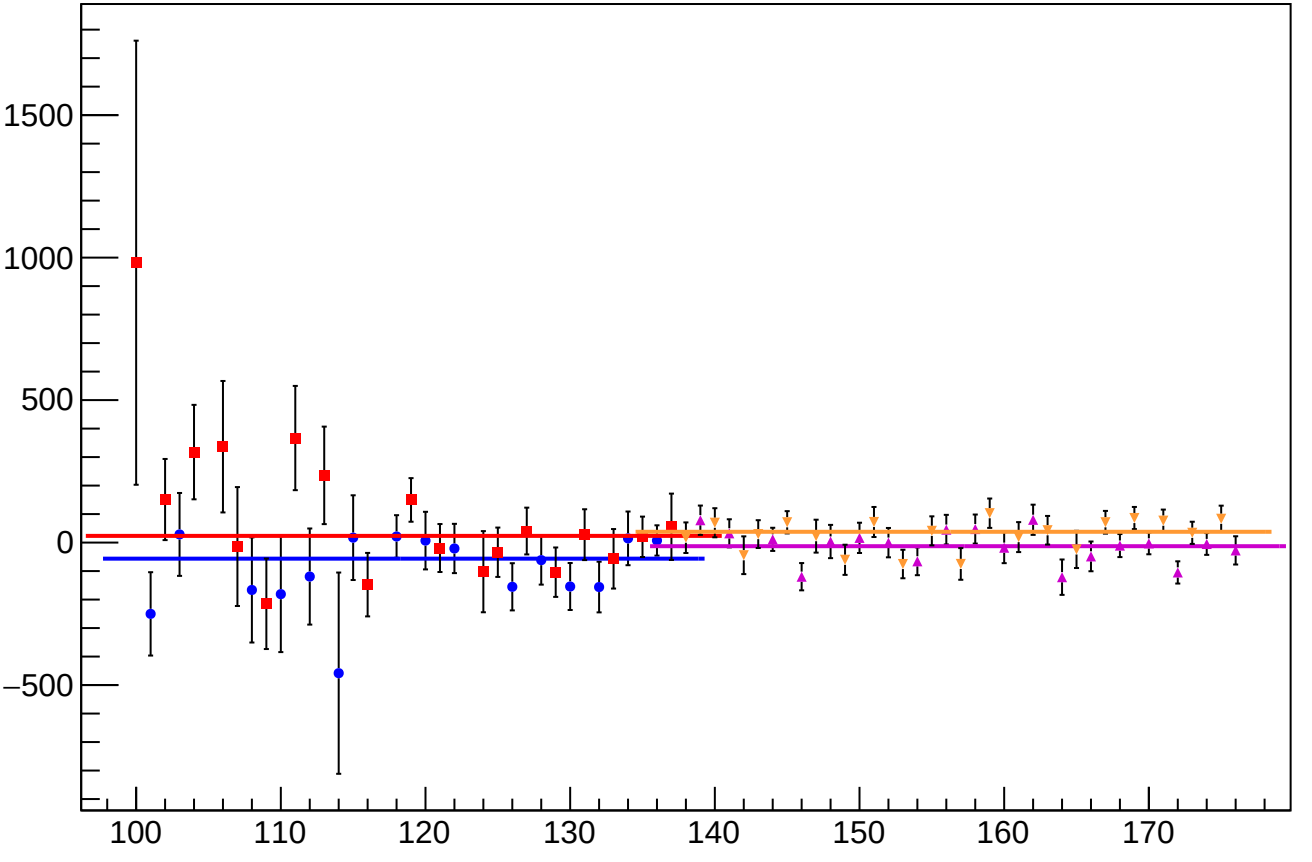
Left In: 124.412+/-0.023 χ^2/NDF:1338706.5/18

+ sign 136.889+/-0.022 χ^2/NDF: 6596720.7/35

All: 135.925+/-0.015 χ^2/NDF: 13564705.9/73

- sign 134.969+/-0.022 χ^2/NDF: 6964102.1/37

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.873+/-10.775 χ^2/NDF:22.9/19

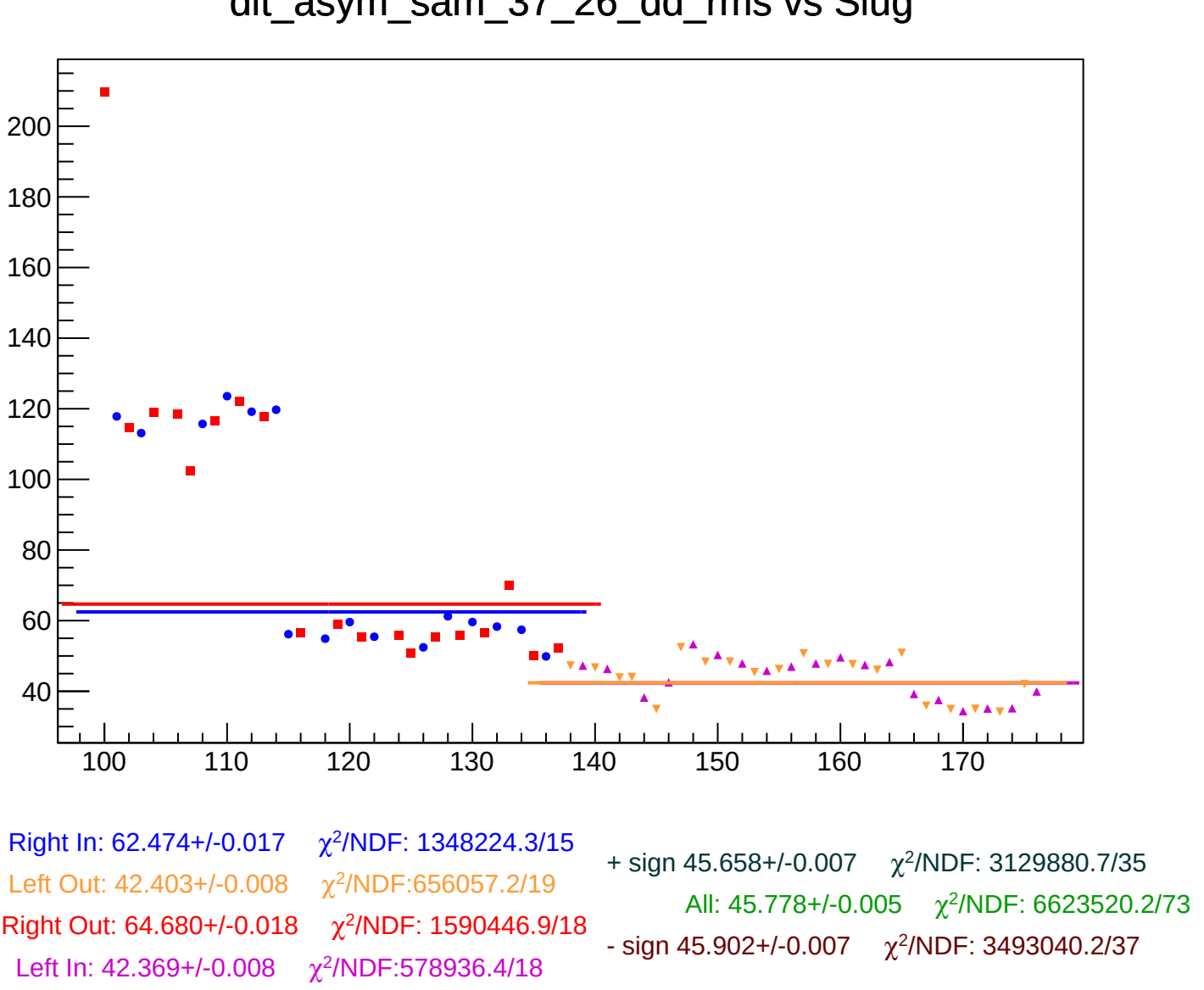
Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -12.686+/-10.912 χ^2/NDF:26.0/18

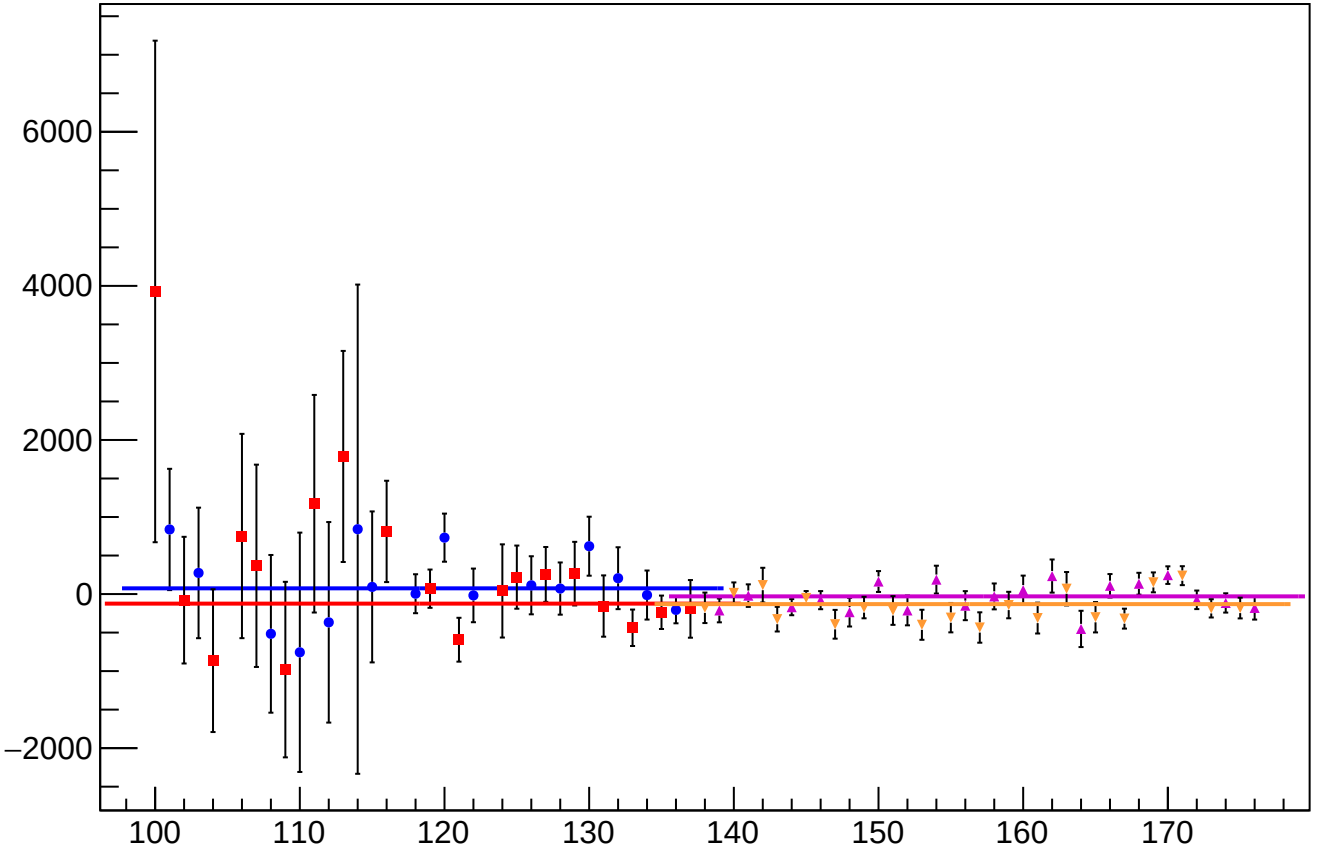
\+ sign 22.581+/-9.862 χ^2/NDF: 47.6/35

All: 8.033+/-7.026 χ^2/NDF: 103.8/73

\- sign -6.958+/-10.011 χ^2/NDF: 51.8/37


dit_asym_sam_37_26_dd_rms vs Slug
200
180
160
140
120
100
80
60
40
100
110
120
130
140
150
160
170
Right In: 62.474+/-0.017 χ²/NDF: 1348224.3/15
Left Out: 42.403+/-0.008 χ²/NDF:656057.2/19
Right Out: 64.680+/-0.018 χ²/NDF: 1590446.9/18
Left In: 42.369+/-0.008 χ²/NDF:578936.4/18
+ sign 45.658+/-0.007 χ²/NDF: 3129880.7/35
All: 45.778+/-0.005 χ²/NDF: 6623520.2/73
- sign 45.902+/-0.007 χ²/NDF: 3493040.2/37

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -130.498+/-33.937 χ^2/NDF:30.8/19

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

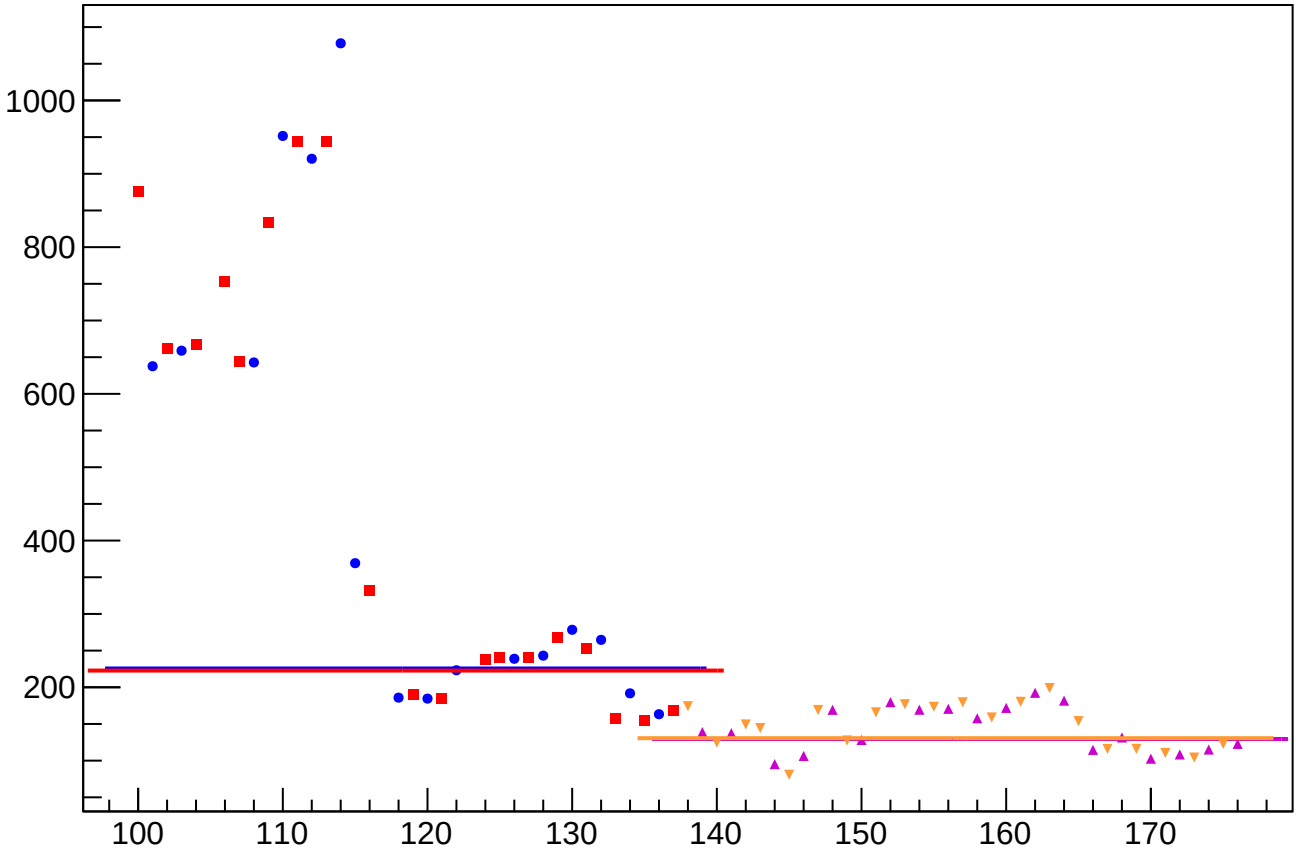
Left In: -29.924+/-33.901 χ^2/NDF:23.8/18

+ sign -107.101+/-31.939 χ^2/NDF: 46.1/35

All: -73.846+/-22.576 χ^2/NDF: 89.3/73

- sign -40.640+/-31.916 χ^2/NDF: 41.0/37

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 130.610+/-0.024 χ^2/NDF:1849627.6/19

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

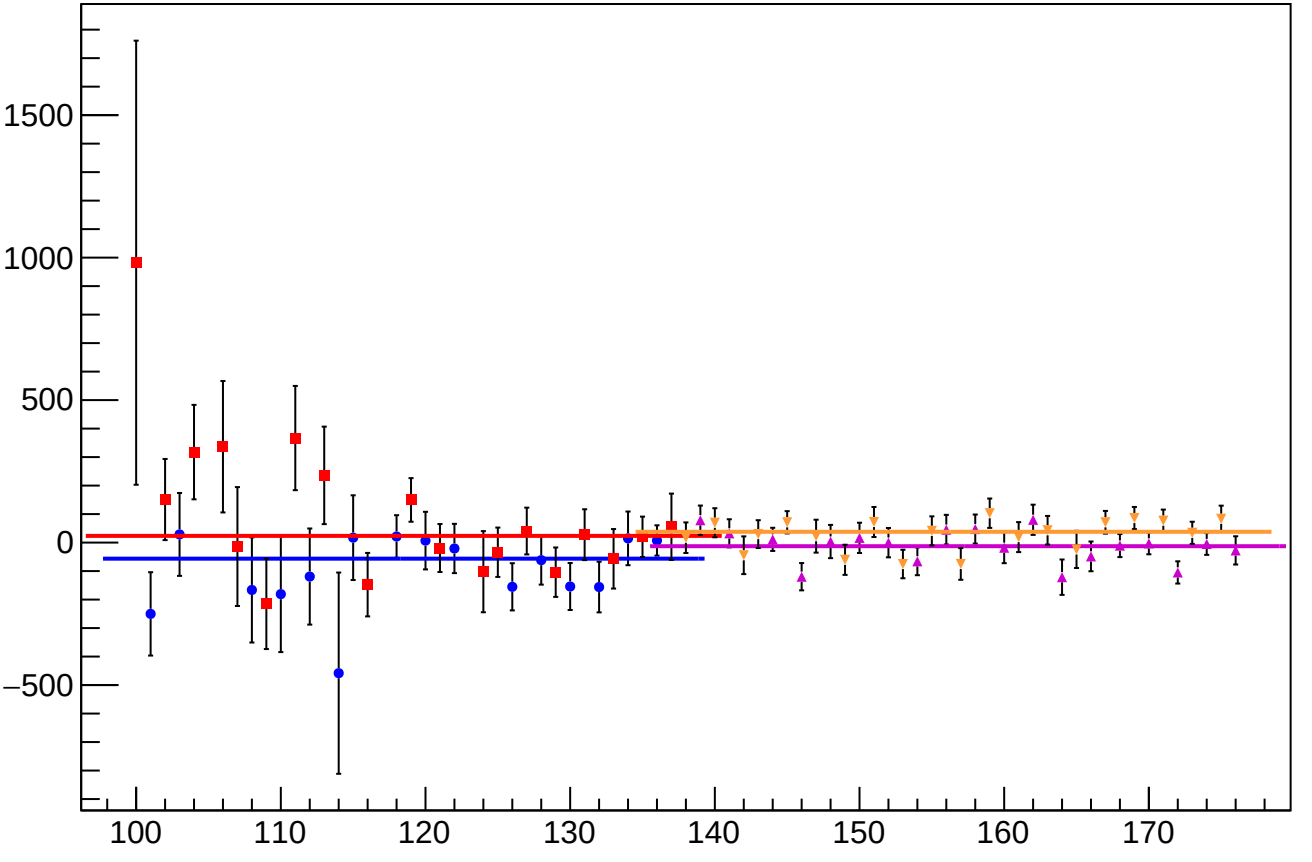
Left In: 129.517+/-0.024 χ^2/NDF:1372446.2/18

+ sign 141.464+/-0.023 χ^2/NDF: 6666378.7/35

All: 140.791+/-0.016 χ^2/NDF: 13609499.0/73

- sign 140.119+/-0.023 χ^2/NDF: 6941344.8/37

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.874+/-10.775 χ^2/NDF:22.9/19

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

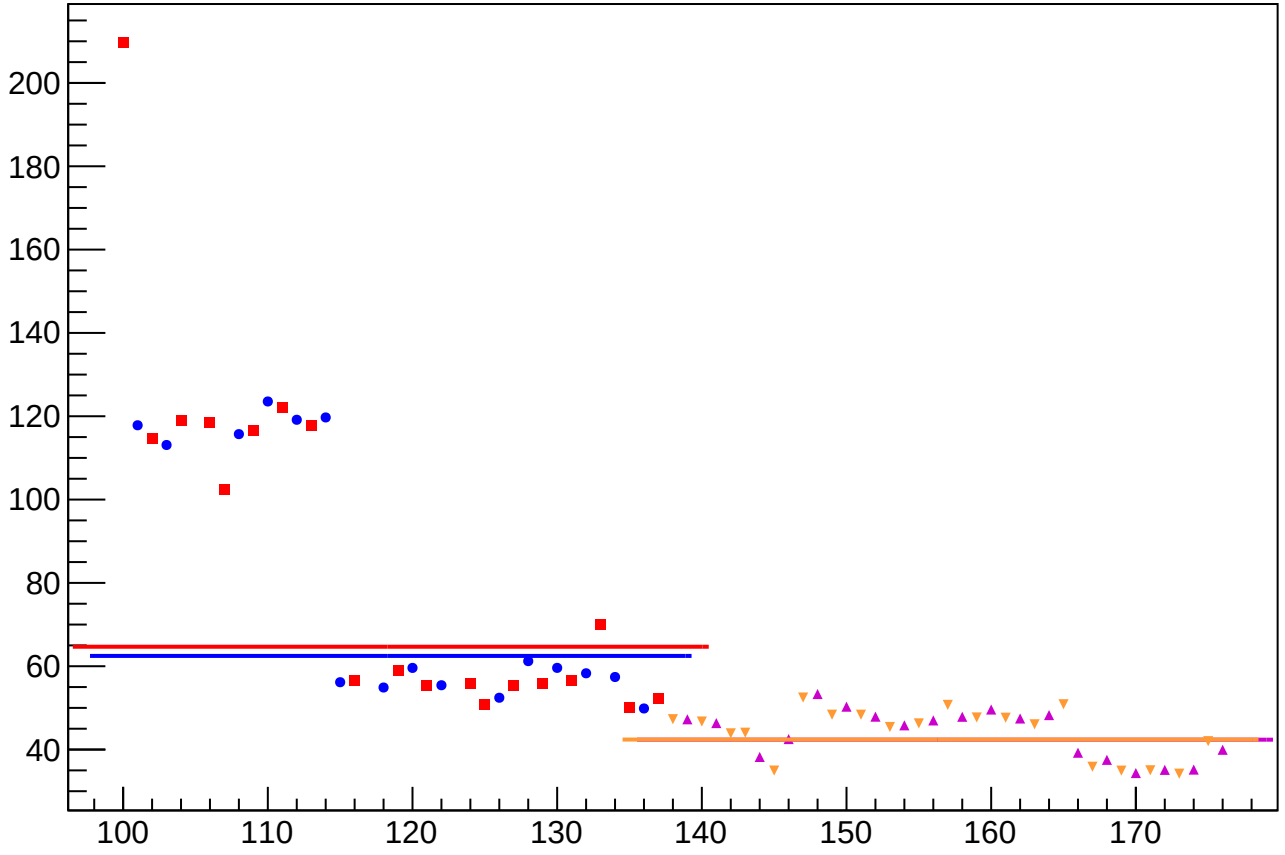
Left In: -12.687+/-10.912 χ^2/NDF:26.0/18

+ sign 22.581+/-9.862 χ^2/NDF: 47.6/35

All: 8.033+/-7.026 χ^2/NDF: 103.8/73

- sign -6.958+/-10.011 χ^2/NDF: 51.8/37

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.403+/-0.008 χ^2/NDF:656070.1/19

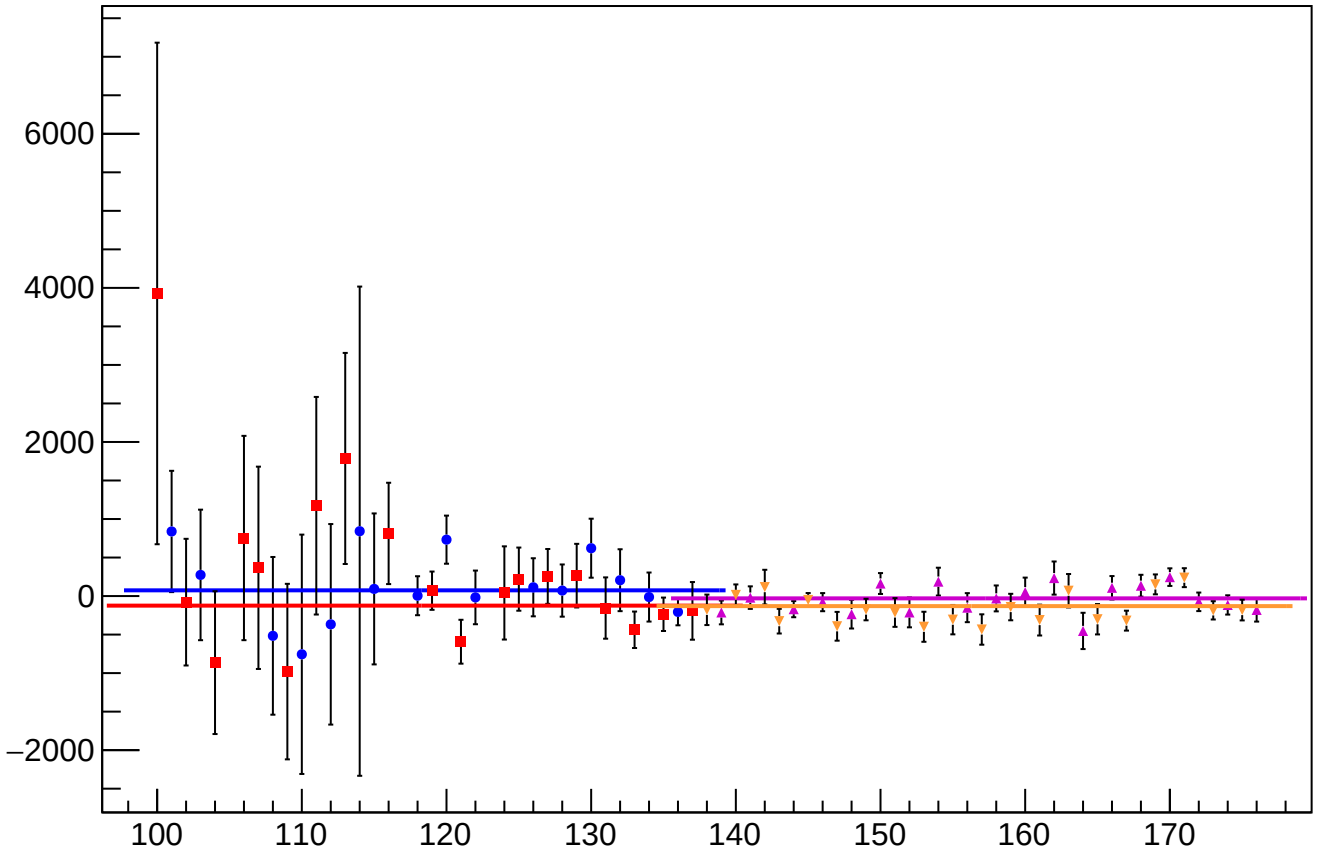
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.369+/-0.008 χ^2/NDF:578940.3/18

+ sign 45.658+/-0.007 χ^2/NDF: 3129826.7/35

All: 45.778+/-0.005 χ^2/NDF: 6623419.2/73

- sign 45.902+/-0.007 χ^2/NDF: 3492993.0/37



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -130.498+/-33.937 χ^2/NDF:30.8/19

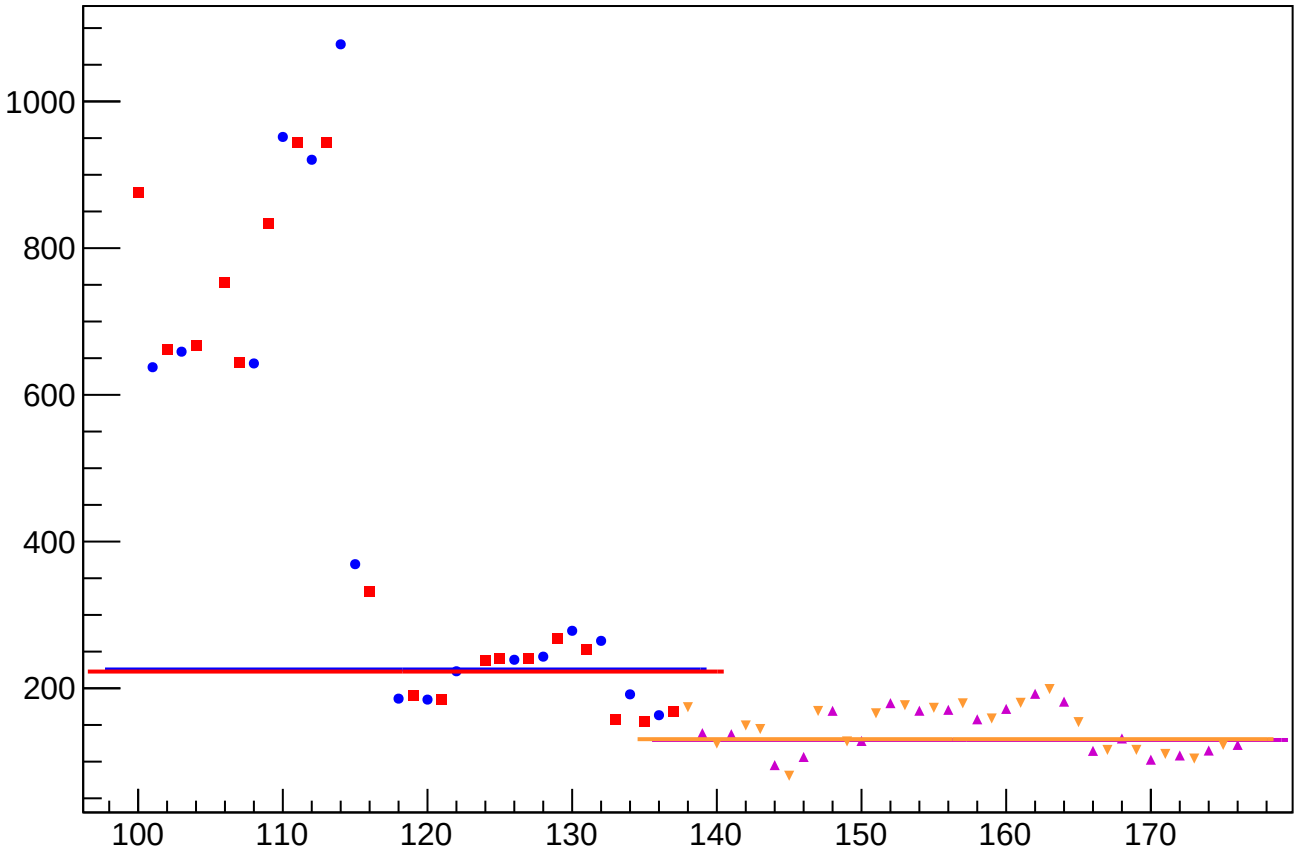
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -29.924+/-33.901 χ^2/NDF:23.8/18

+ sign -107.100+/-31.939 χ^2/NDF: 46.1/35

All: -73.846+/-22.576 χ^2/NDF: 89.3/73

- sign -40.640+/-31.916 χ^2/NDF: 41.0/37



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 130.610+/-0.024 χ^2/NDF:1849618.1/19

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

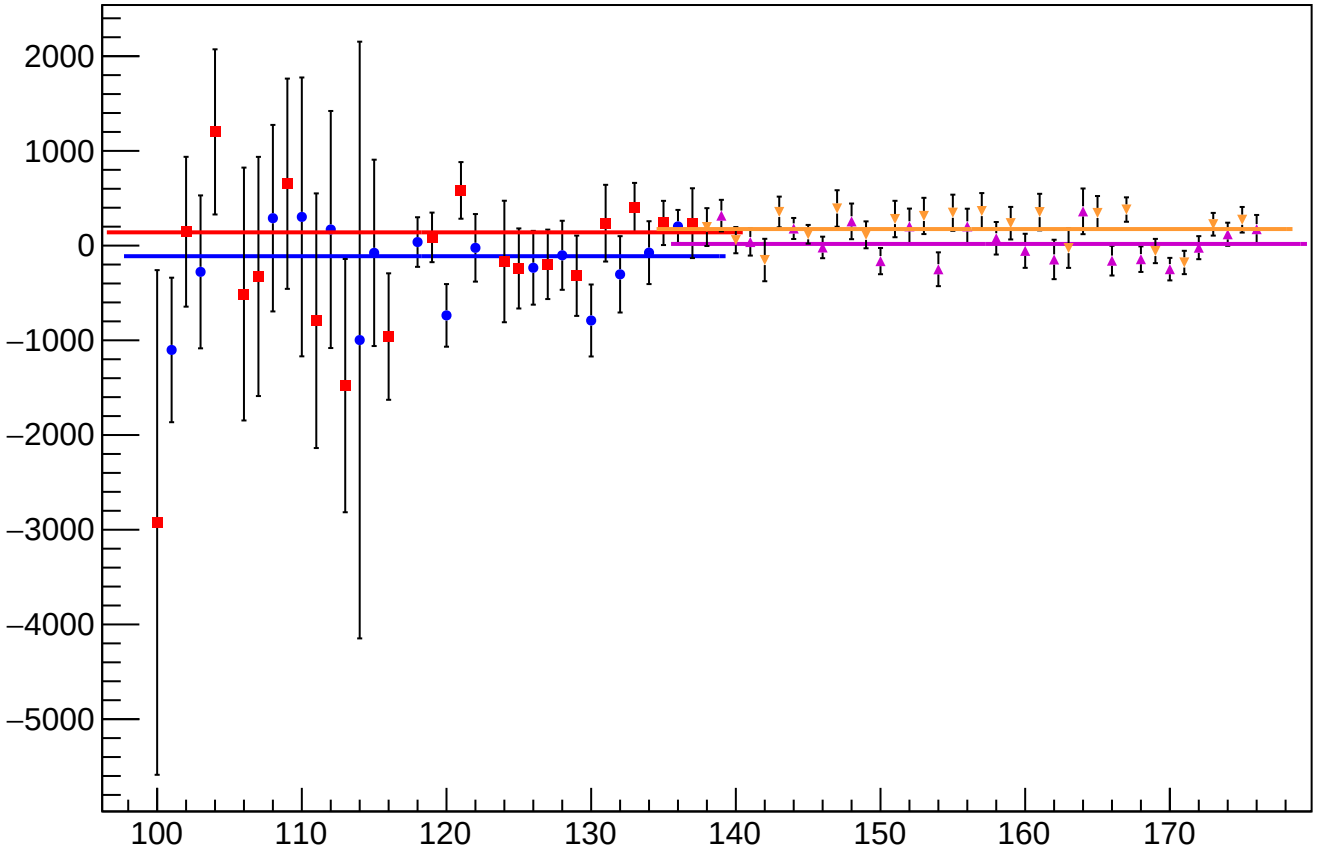
Left In: 129.518+/-0.024 χ^2/NDF:1372442.3/18

+ sign 141.465+/-0.023 χ^2/NDF: 6666346.6/35

All: 140.791+/-0.016 χ^2/NDF: 13609450.9/73

- sign 140.119+/-0.023 χ^2/NDF: 6941328.6/37

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 174.748+/-34.295 χ^2/NDF:26.1/19

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

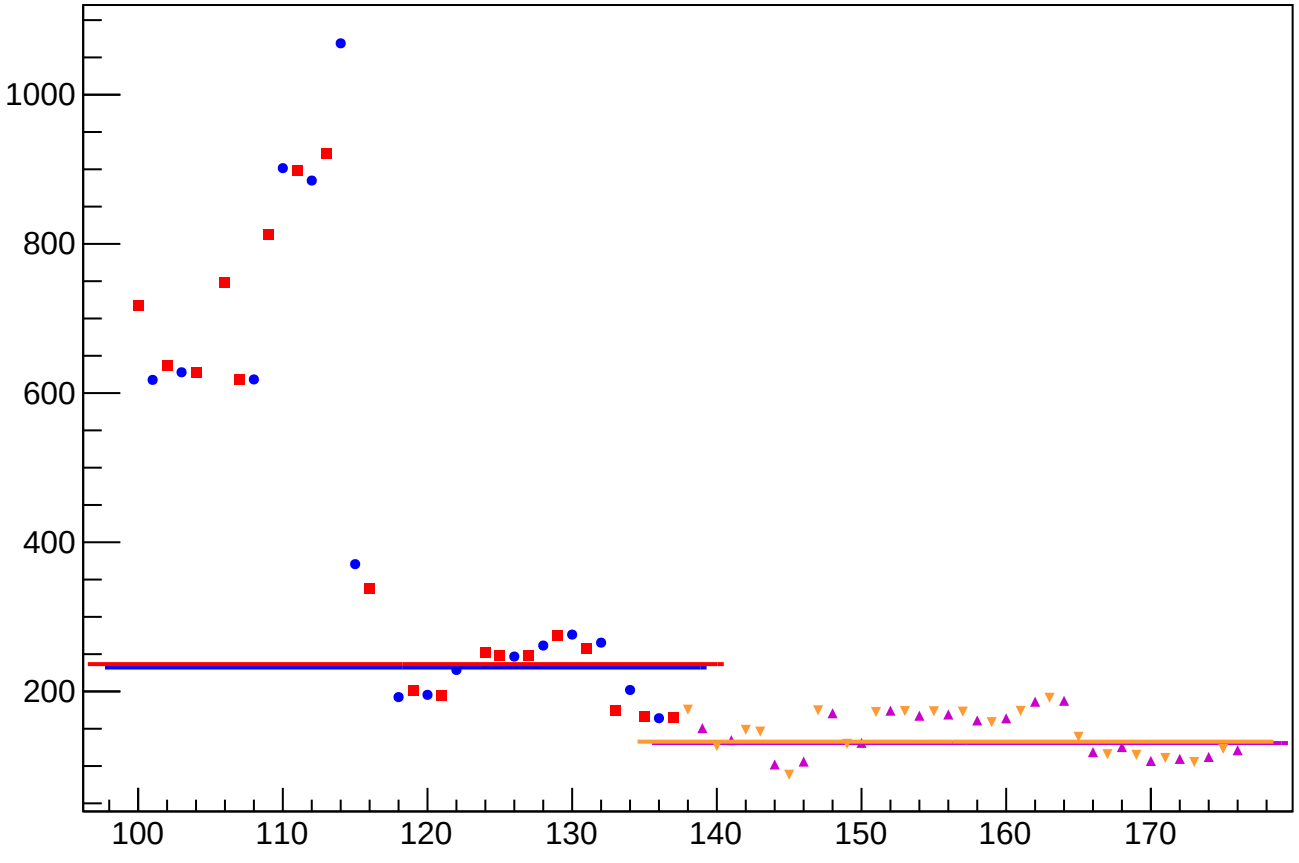
Left In: 17.513+/-34.053 χ^2/NDF:25.5/18

+ sign 142.632+/-32.317 χ^2/NDF: 46.7/35

All: 86.339+/-22.813 χ^2/NDF: 94.3/73

- sign 30.429+/-32.207 χ^2/NDF: 41.6/37

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 132.711+/-0.024 χ^2/NDF:1525255.0/19

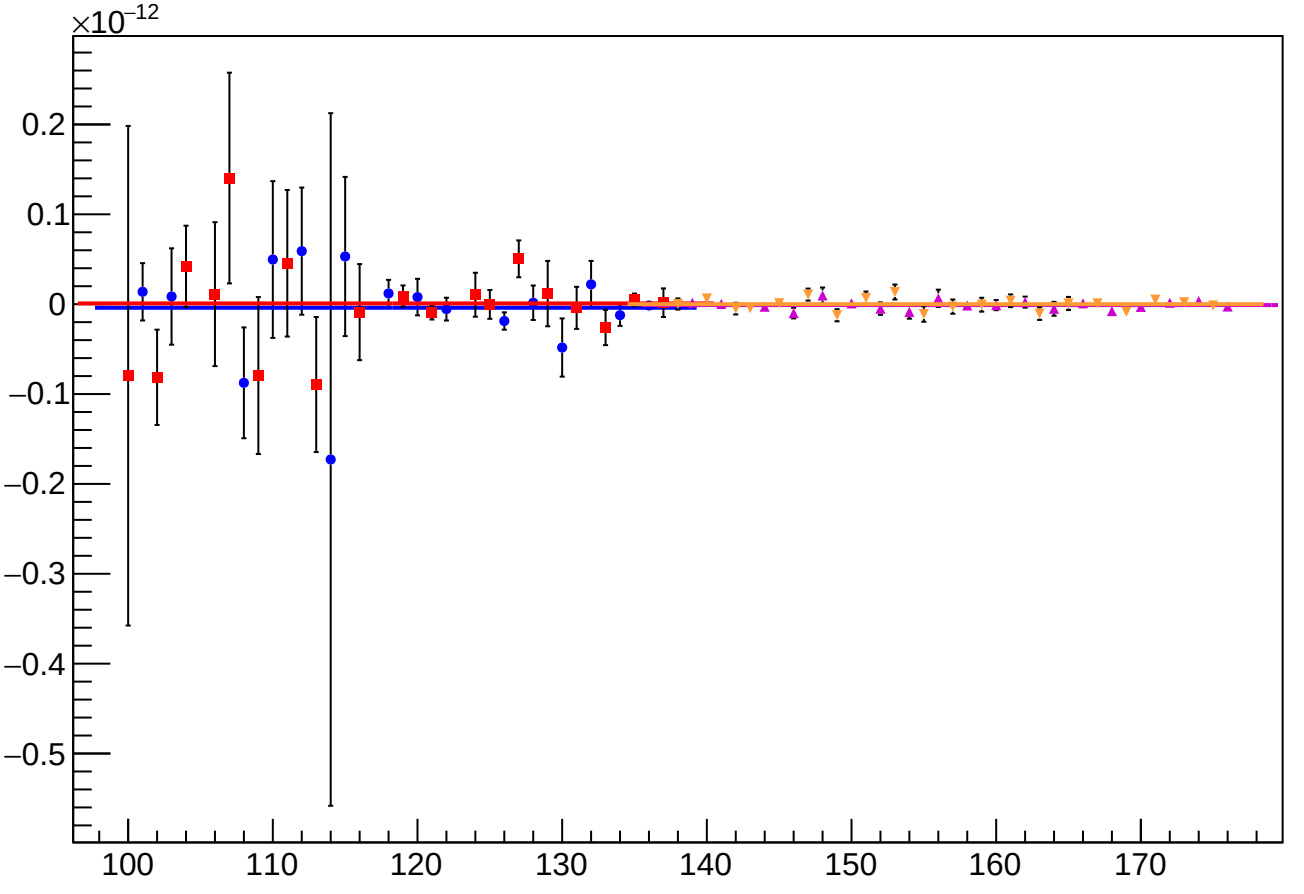
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 130.822+/-0.024 χ^2/NDF:1219169.4/18

+ sign 143.847+/-0.023 χ^2/NDF: 6292887.0/35

All: 142.912+/-0.016 χ^2/NDF: 13073522.9/73

- sign 141.982+/-0.023 χ^2/NDF: 6777295.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/19

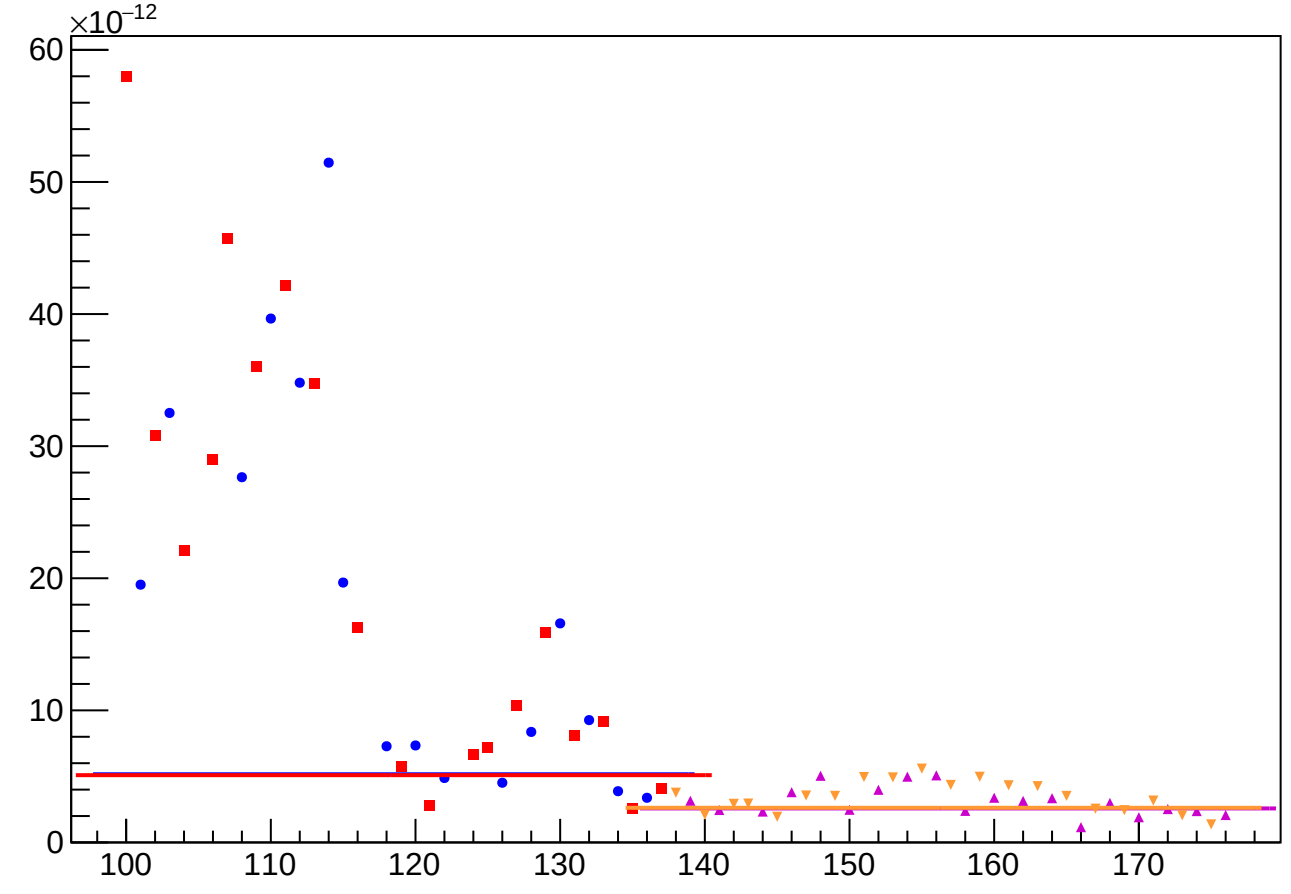
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/35

All: -0.000+/-0.000 χ^2/NDF: 65.0/73

- sign -0.000+/-0.000 χ^2/NDF: 29.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2022588.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

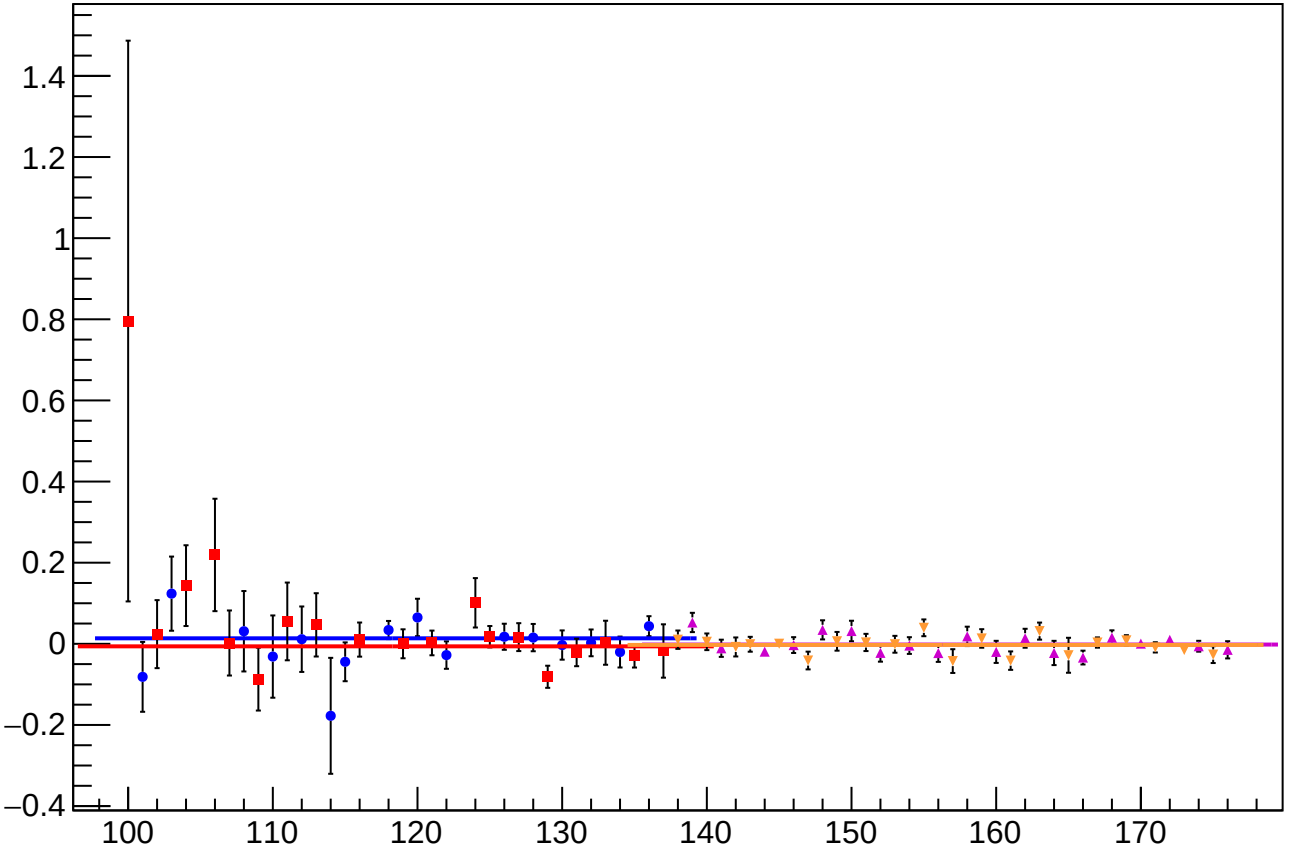
Left In: 0.000+/-0.000 χ^2/NDF:1273365.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 5519639.1/35

All: 0.000+/-0.000 χ^2/NDF: 10783510.2/73

- sign 0.000+/-0.000 χ^2/NDF: 5260101.1/37

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

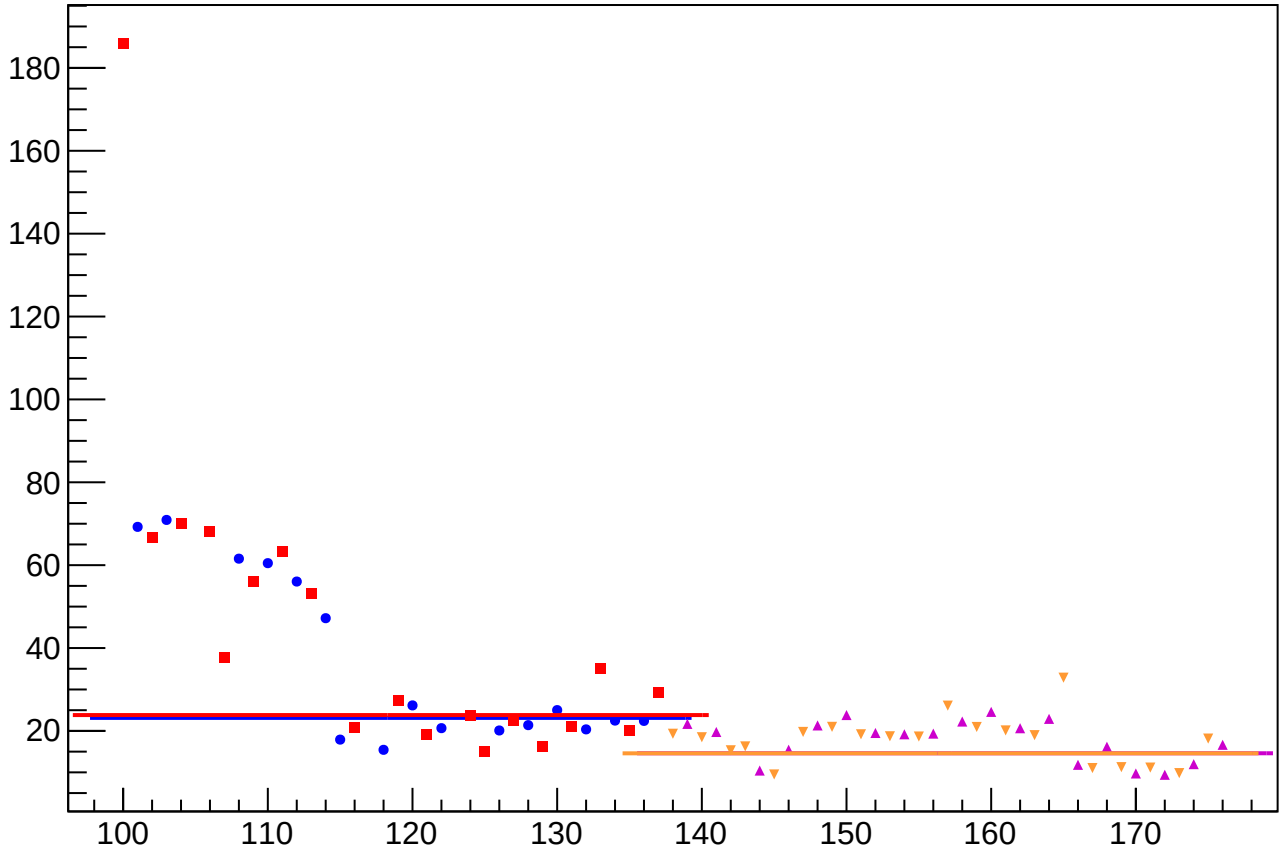
Left In: -0.002+/-0.004 χ^2/NDF:21.8/18

+ sign -0.000+/-0.004 χ^2/NDF: 34.7/35

All: -0.001+/-0.003 χ^2/NDF: 78.2/73

- sign -0.002+/-0.004 χ^2/NDF: 43.4/37

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.590+/-0.003 χ^2/NDF:2982085.7/19

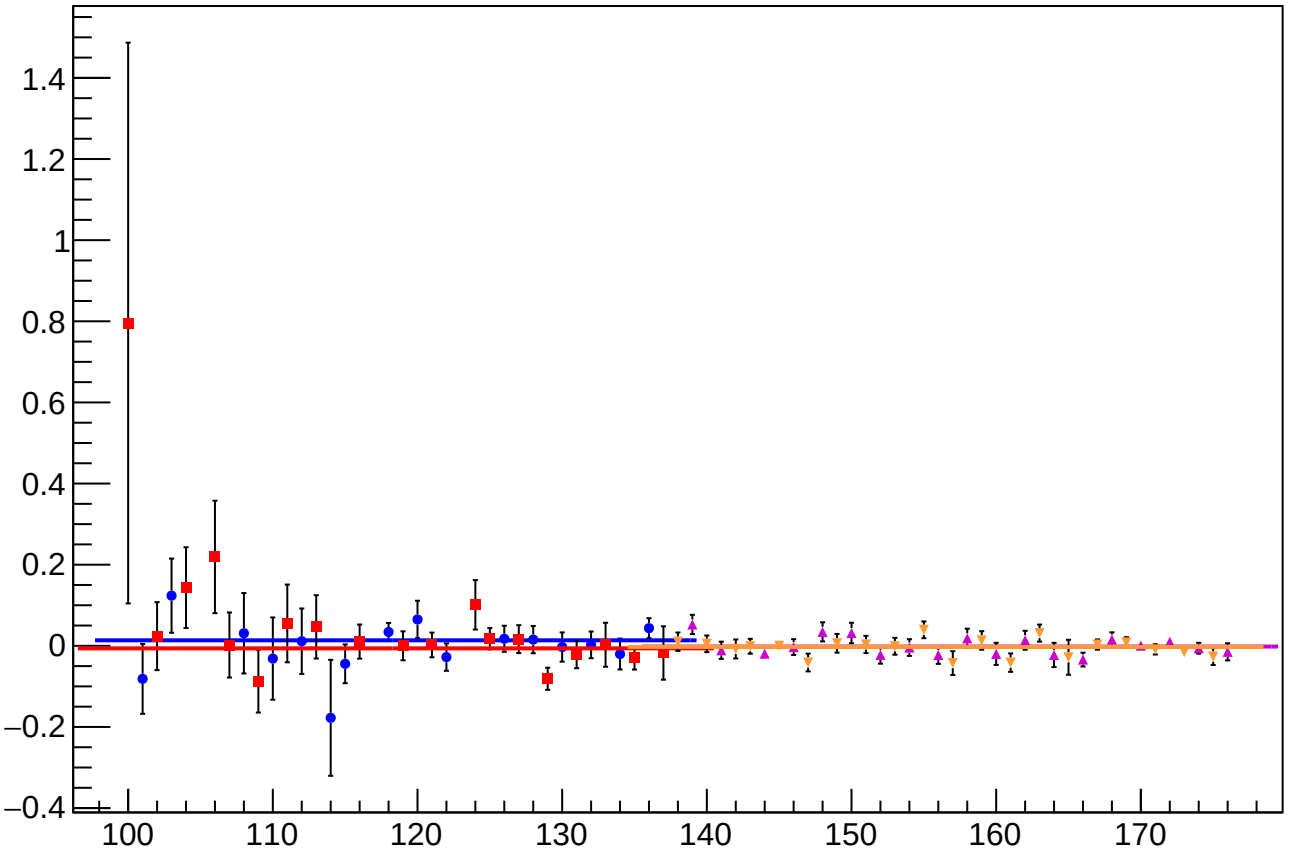
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.606+/-0.003 χ^2/NDF:3069974.2/18

+ sign 15.773+/-0.003 χ^2/NDF: 6689613.8/35

All: 15.826+/-0.002 χ^2/NDF: 14104137.1/73

- sign 15.883+/-0.003 χ^2/NDF: 7413634.4/37



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

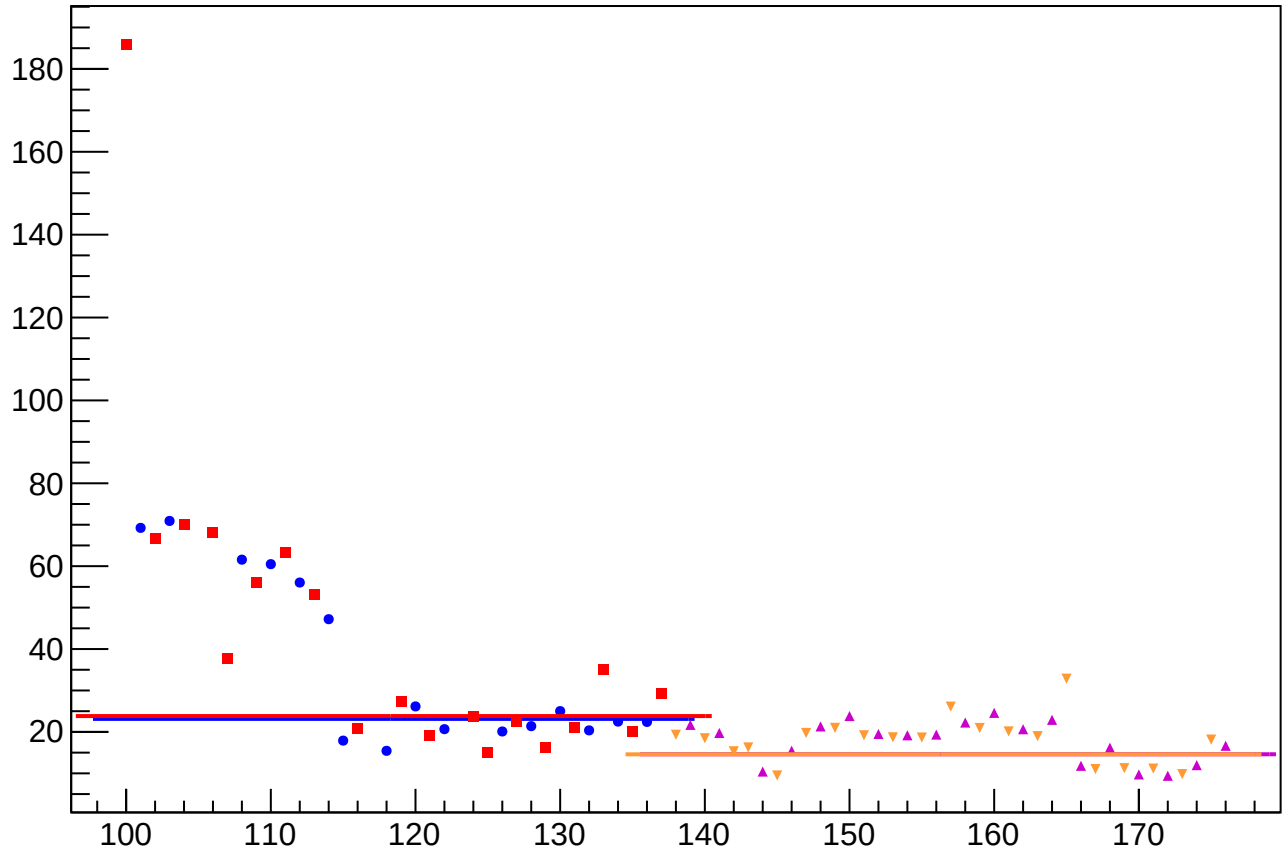
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:21.8/18

+ sign -0.000+/-0.004 χ^2/NDF: 34.7/35

All: -0.001+/-0.003 χ^2/NDF: 78.2/73

- sign -0.002+/-0.004 χ^2/NDF: 43.4/37



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.590+/-0.003 χ^2/NDF:2982085.7/19

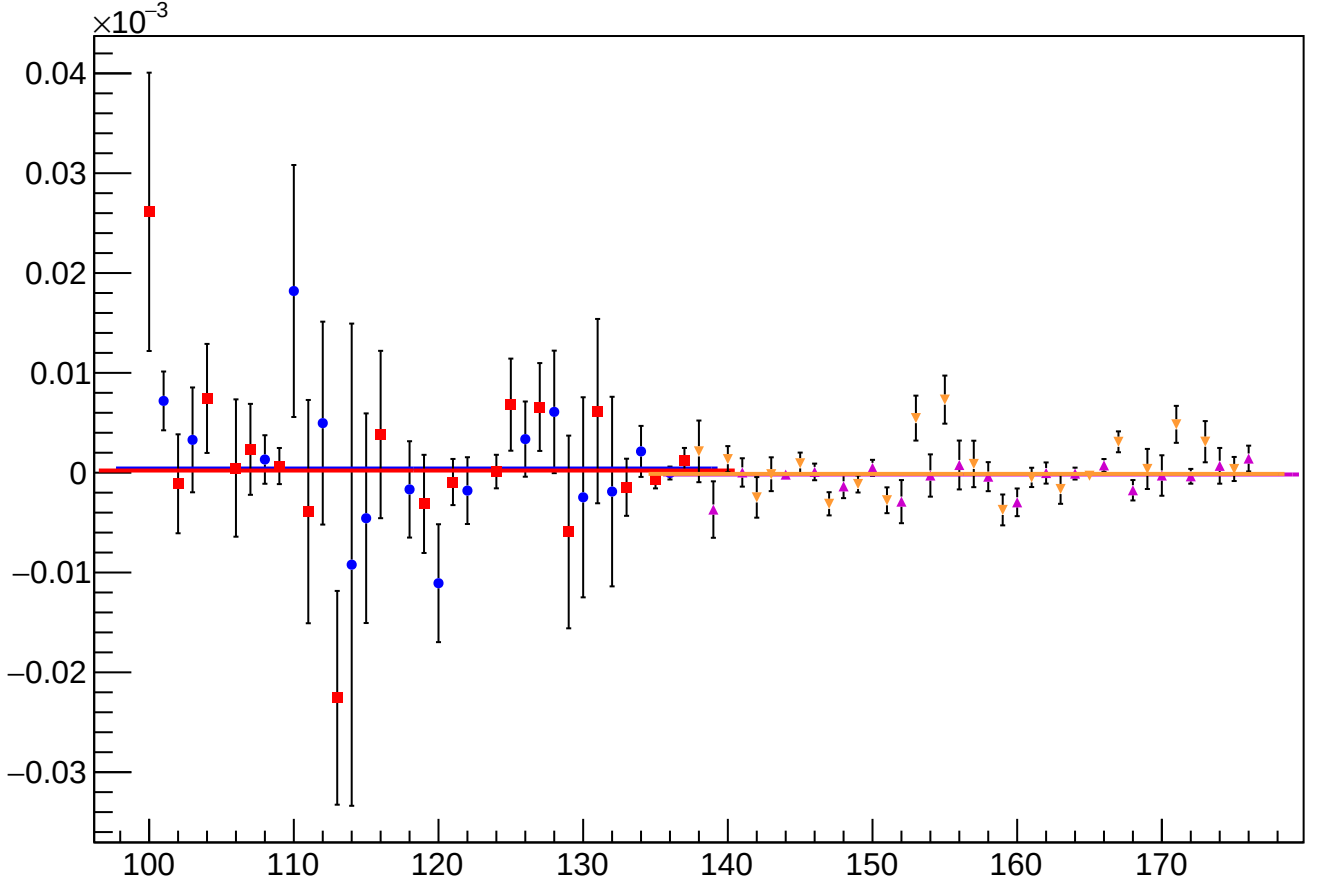
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.606+/-0.003 χ^2/NDF:3069974.2/18

\+ sign 15.773+/-0.003 χ^2/NDF: 6689613.8/35

All: 15.826+/-0.002 χ^2/NDF: 14104137.1/73

\- sign 15.883+/-0.003 χ^2/NDF: 7413634.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:58.5/19

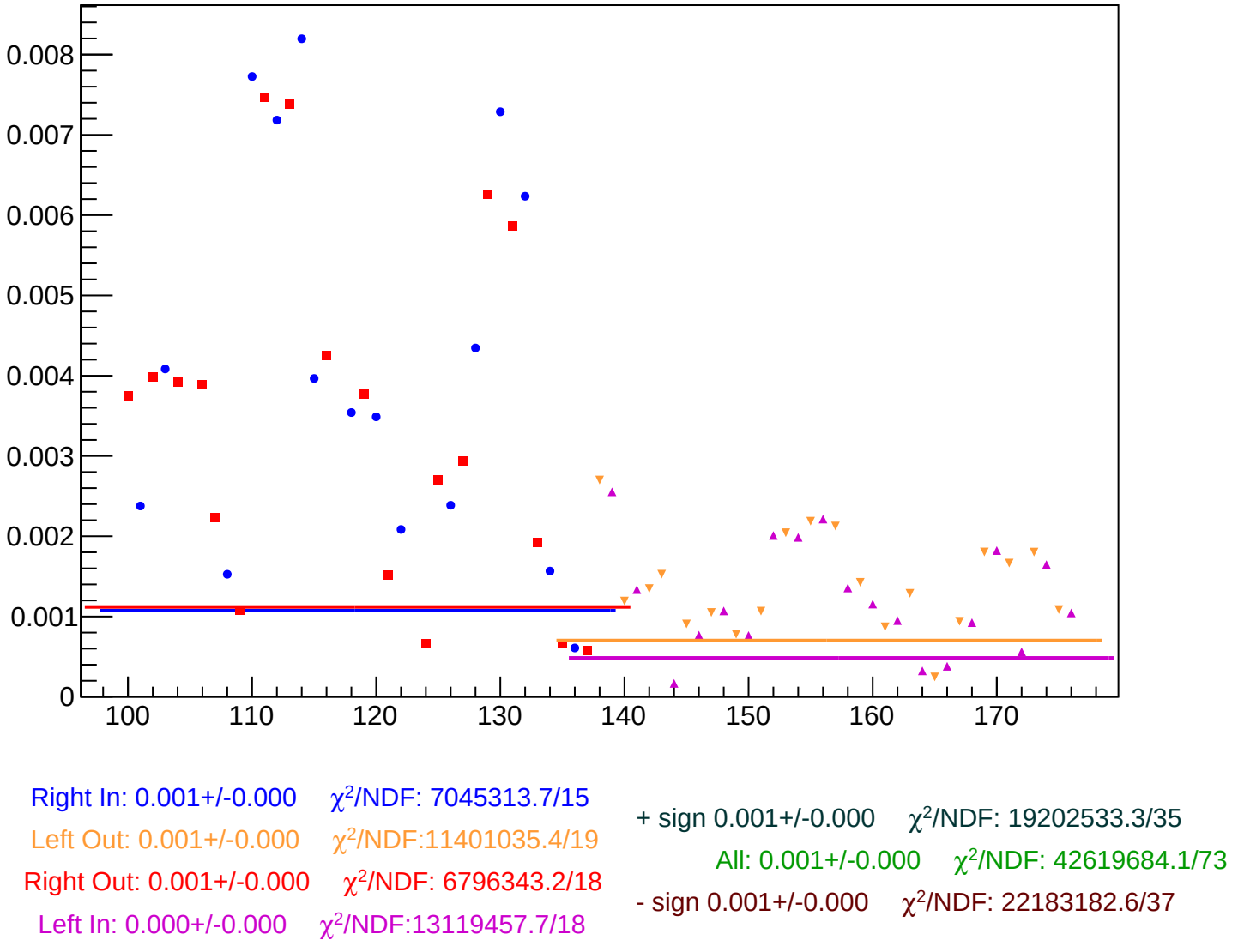
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

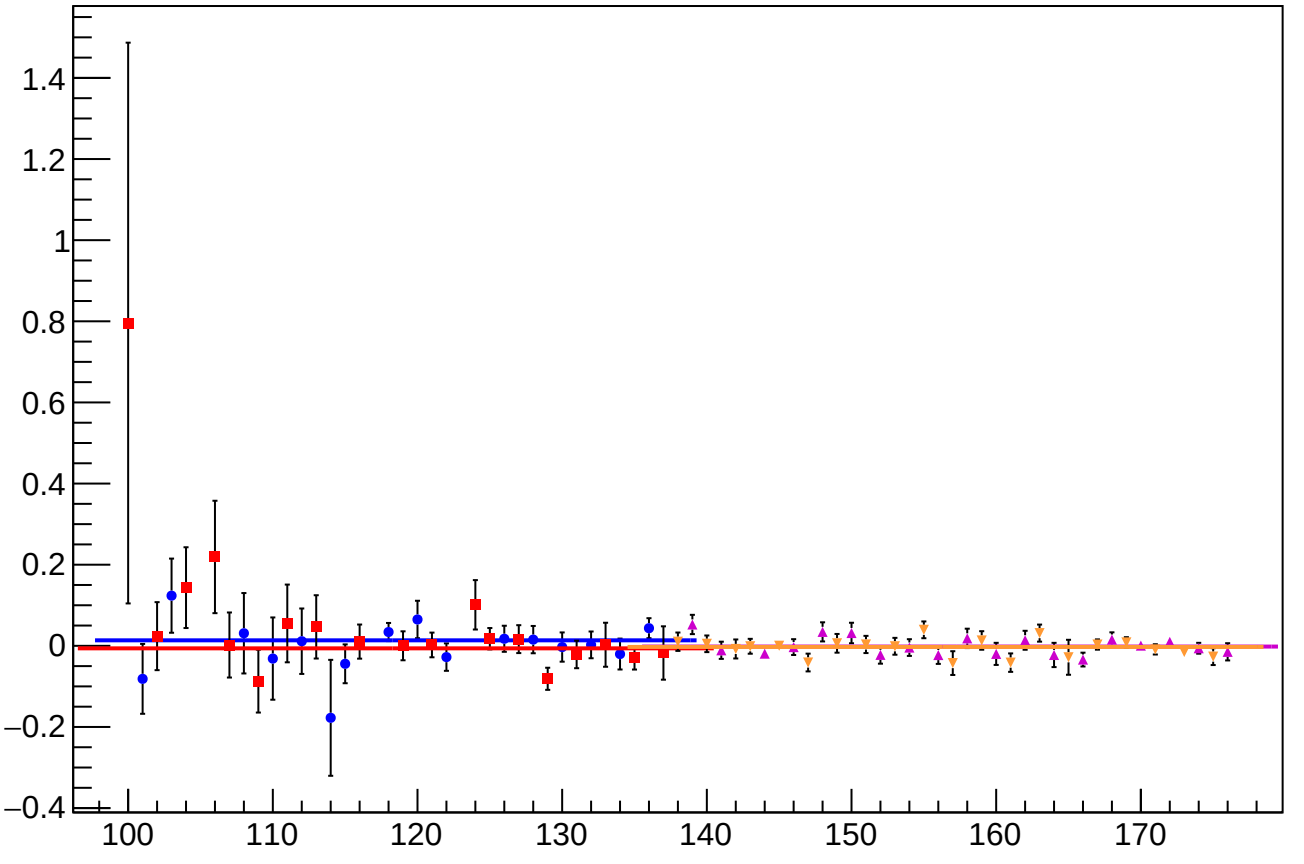
Left In: -0.000+/-0.000 χ^2/NDF:15.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 74.5/35

All: -0.000+/-0.000 χ^2/NDF: 108.4/73

- sign -0.000+/-0.000 χ^2/NDF: 33.8/37


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:11401035.4/19
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.000+/-0.000 χ²/NDF:13119457.7/18
+ sign 0.001+/-0.000 χ²/NDF: 19202533.3/35
All: 0.001+/-0.000 χ²/NDF: 42619684.1/73
- sign 0.001+/-0.000 χ²/NDF: 22183182.6/37



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

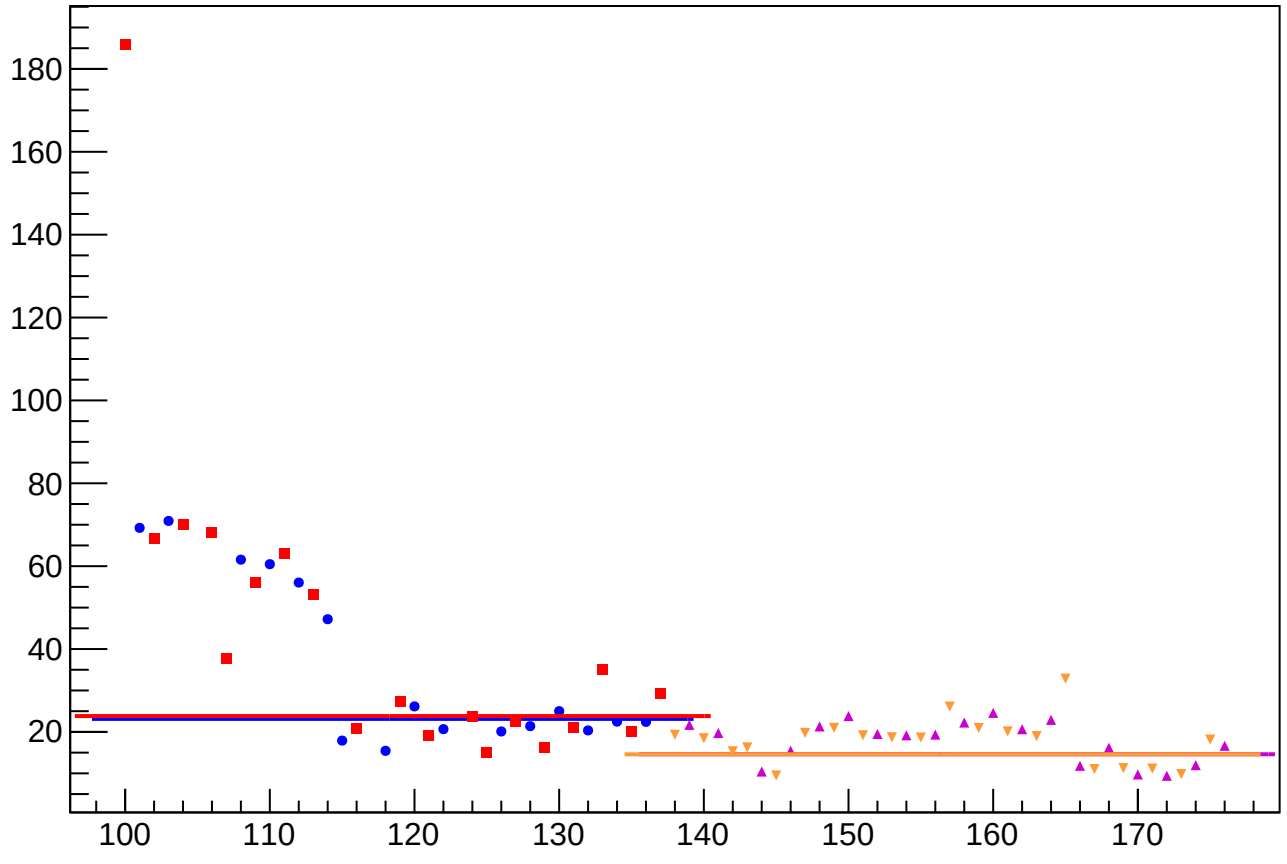
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:21.8/18

+ sign -0.000+/-0.004 χ^2/NDF: 34.7/35

All: -0.001+/-0.003 χ^2/NDF: 78.2/73

- sign -0.002+/-0.004 χ^2/NDF: 43.4/37



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.590+/-0.003 χ^2/NDF:2982230.6/19

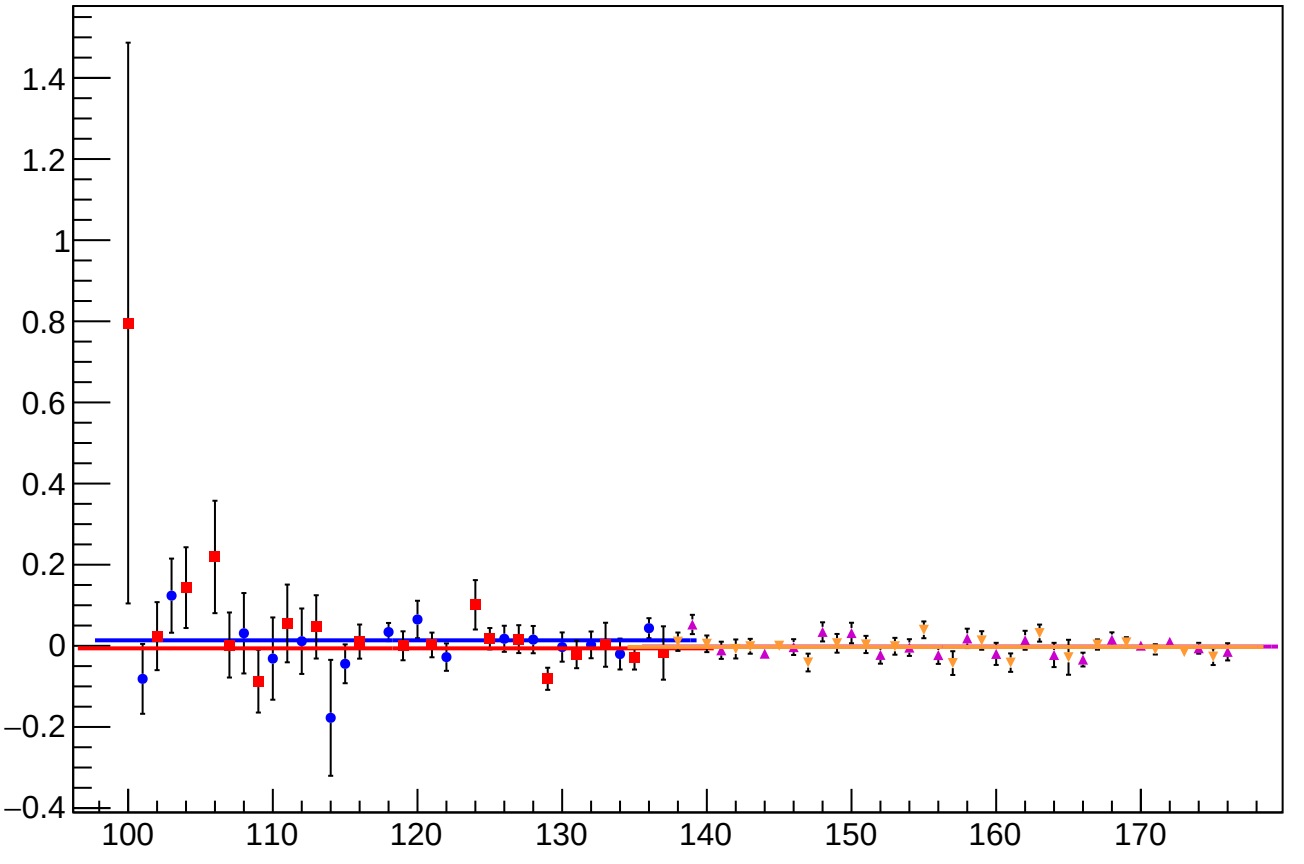
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.606+/-0.003 χ^2/NDF:3070000.0/18

+ sign 15.773+/-0.003 χ^2/NDF: 6689482.3/35

All: 15.827+/-0.002 χ^2/NDF: 14103827.8/73

- sign 15.883+/-0.003 χ^2/NDF: 7413455.5/37



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

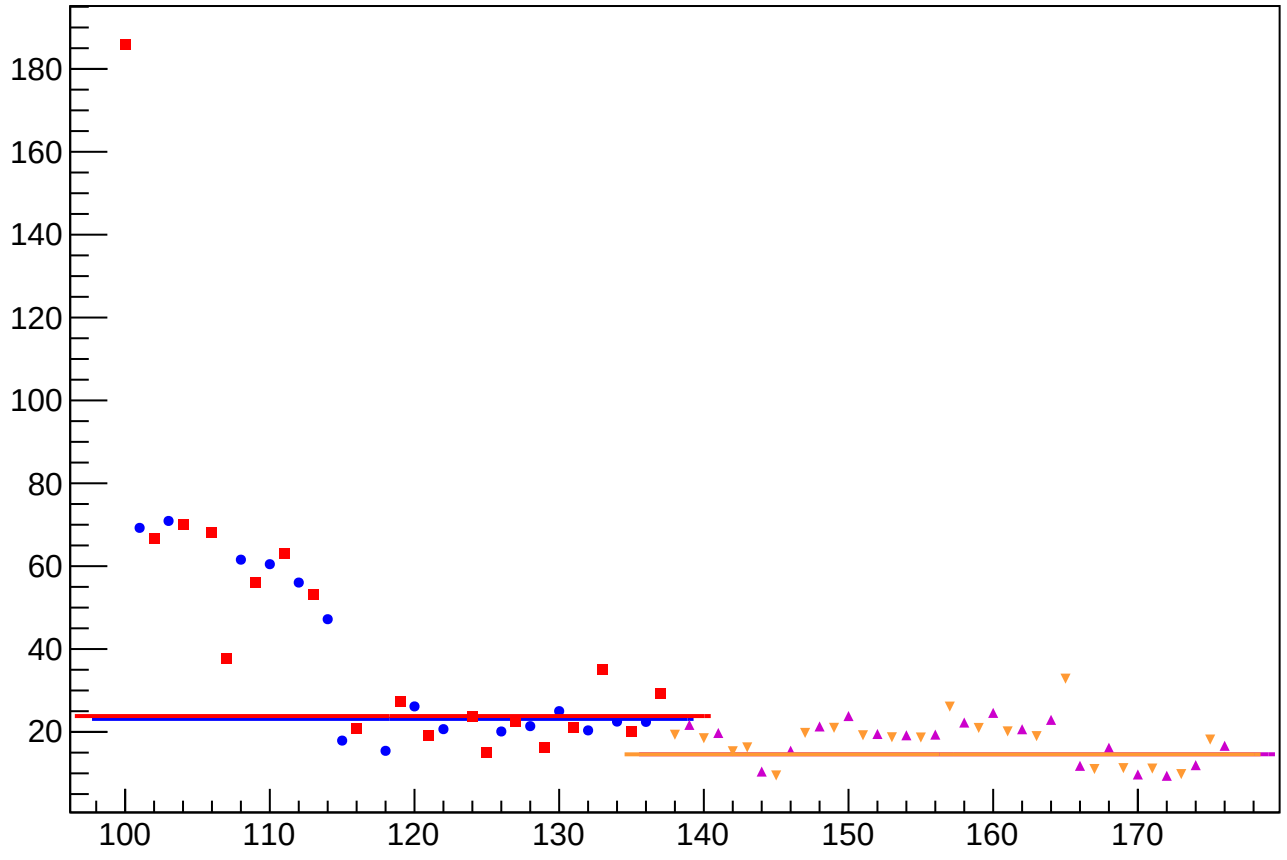
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:21.8/18

+ sign -0.000+/-0.004 χ^2/NDF: 34.7/35

All: -0.001+/-0.003 χ^2/NDF: 78.2/73

- sign -0.002+/-0.004 χ^2/NDF: 43.4/37



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.590+/-0.003 χ^2/NDF:2982230.6/19

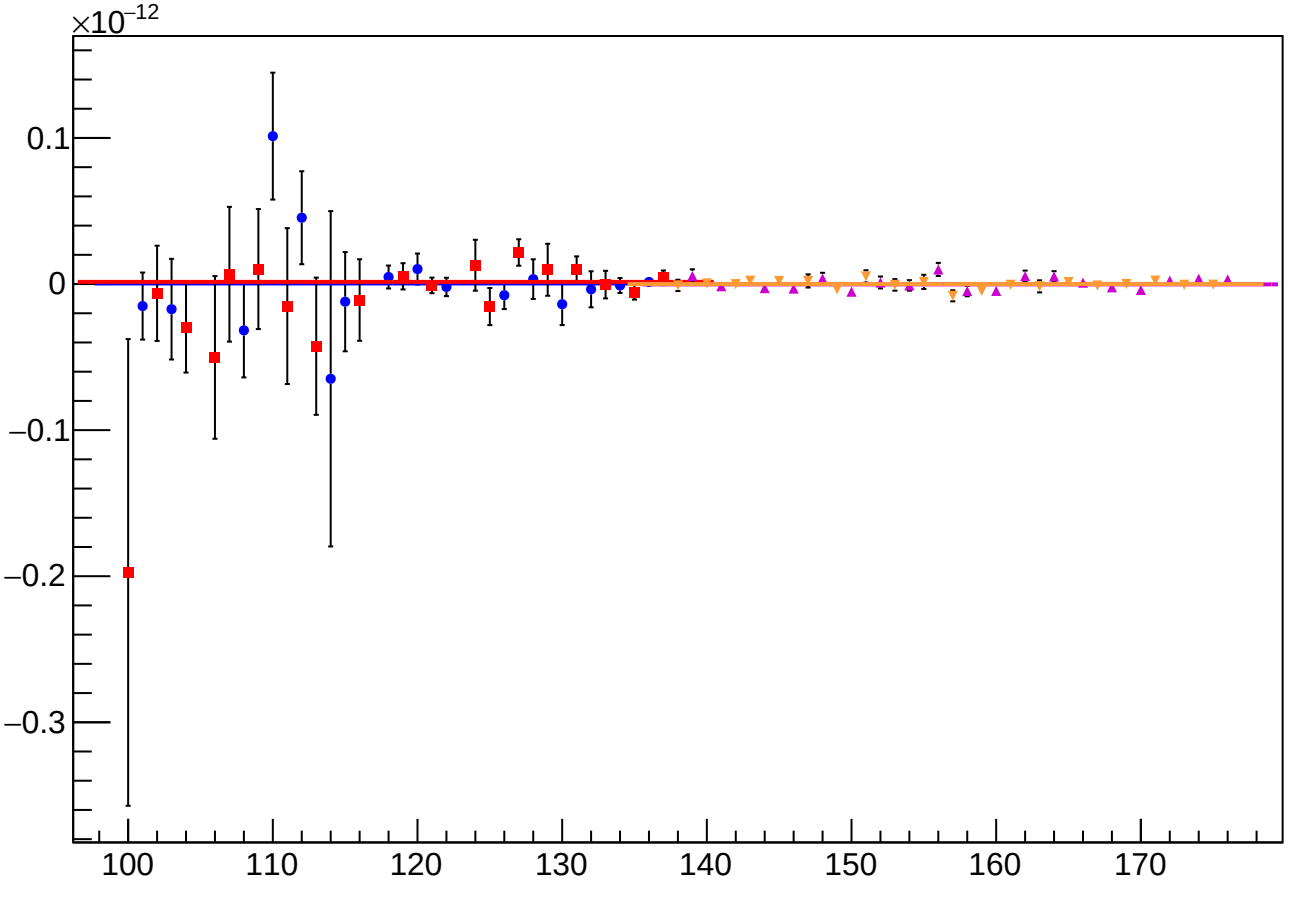
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.606+/-0.003 χ^2/NDF:3070000.0/18

\+ sign 15.773+/-0.003 χ^2/NDF: 6689482.3/35

All: 15.827+/-0.002 χ^2/NDF: 14103827.8/73

\- sign 15.883+/-0.003 χ^2/NDF: 7413455.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/19

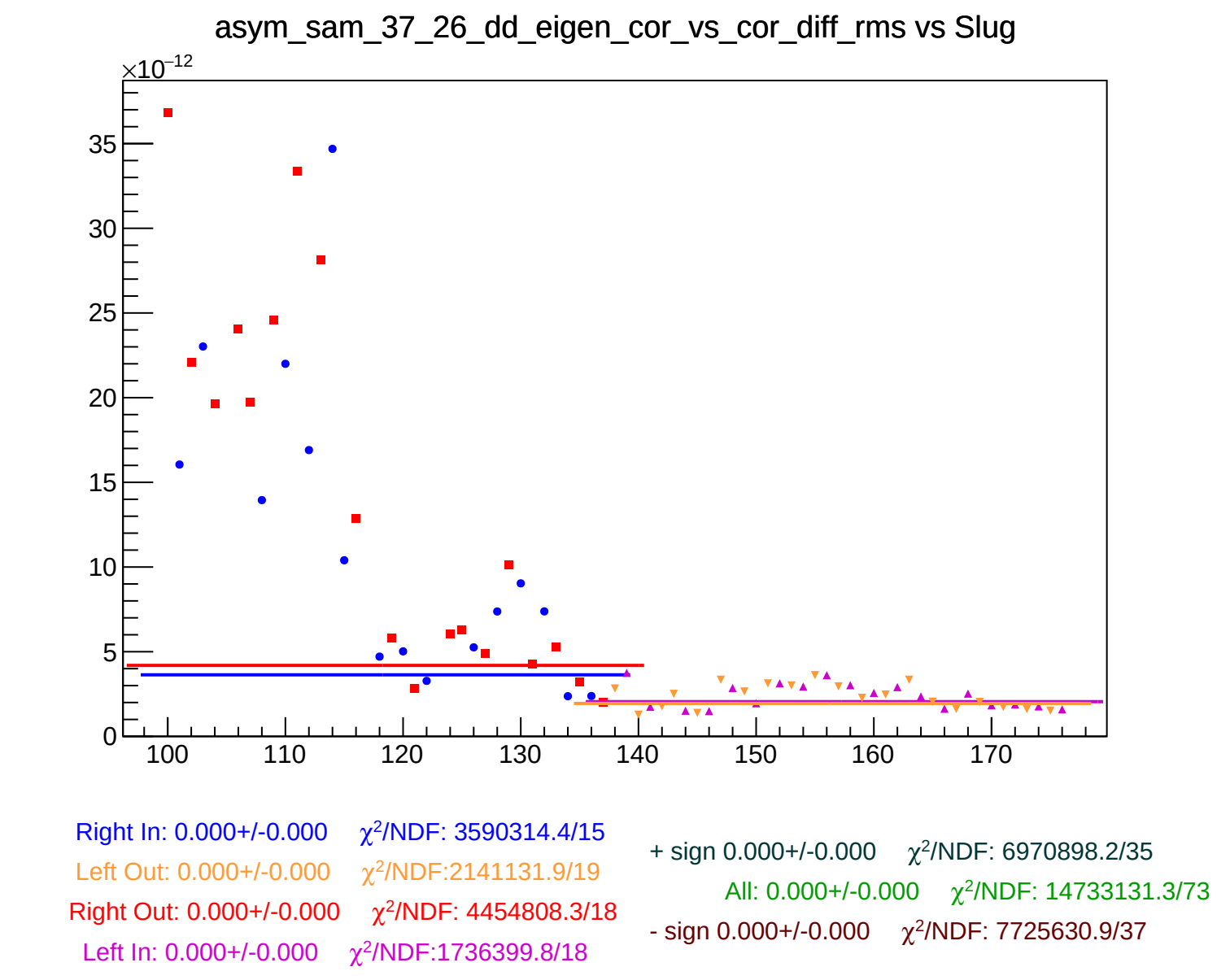
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:32.2/18

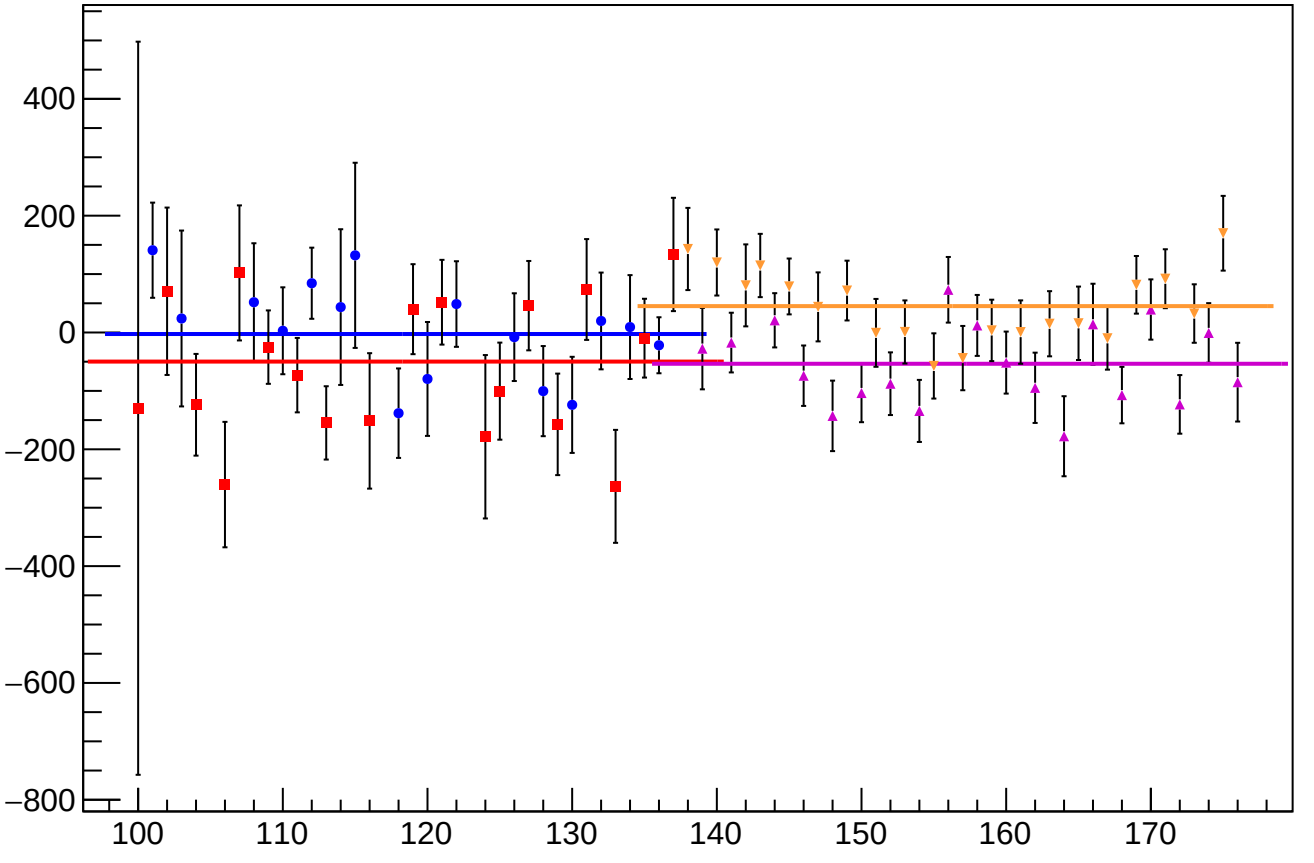
+ sign 0.000+/-0.000 χ^2/NDF: 26.6/35

All: -0.000+/-0.000 χ^2/NDF: 74.9/73

- sign -0.000+/-0.000 χ^2/NDF: 48.3/37


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2141131.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1736399.8/18
+ sign 0.000+/-0.000 χ²/NDF: 6970898.2/35
All: 0.000+/-0.000 χ²/NDF: 14733131.3/73
- sign 0.000+/-0.000 χ²/NDF: 7725630.9/37

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 45.147+/-12.382 χ^2/NDF:21.8/19

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

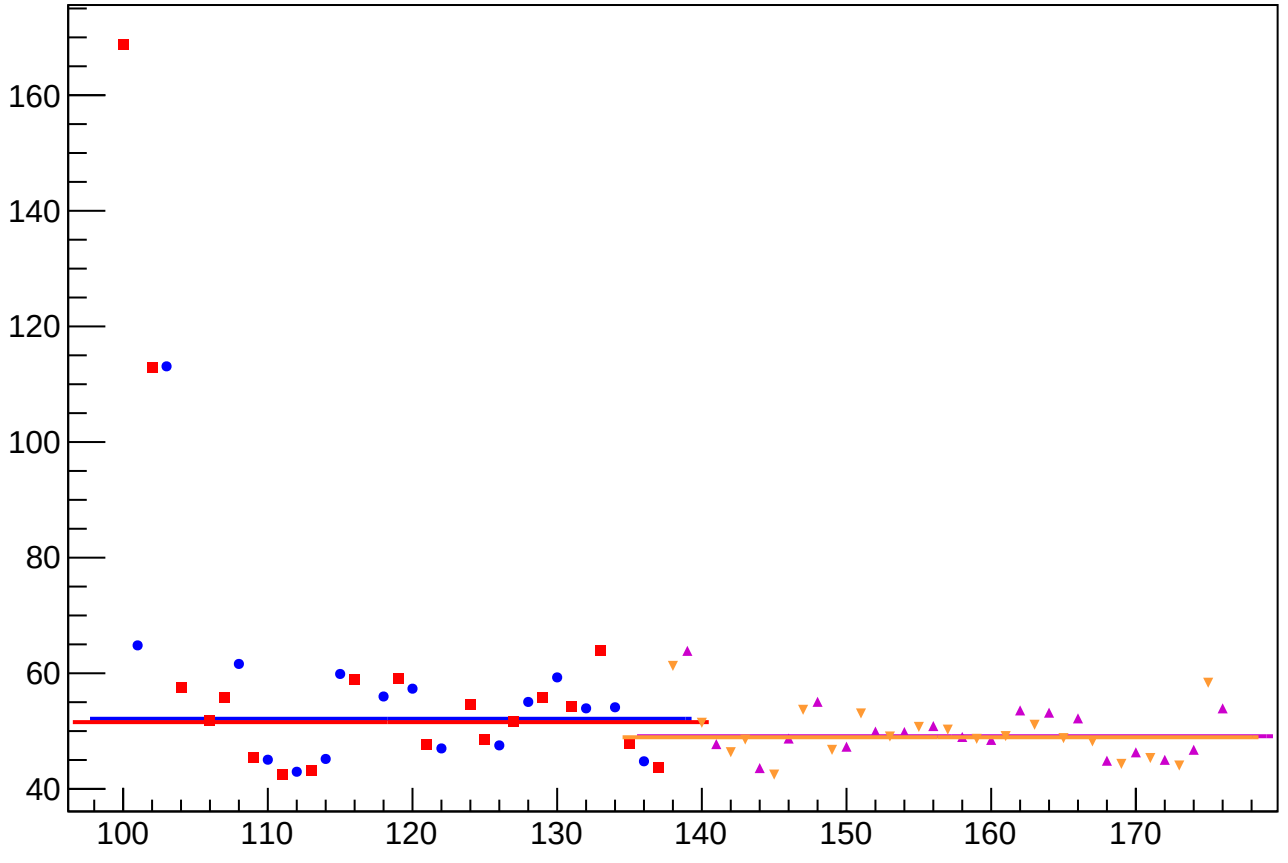
Left In: -53.551+/-12.554 χ^2/NDF:28.3/18

+ sign 31.908+/-10.527 χ^2/NDF: 40.5/35

All: -10.085+/-7.461 χ^2/NDF: 130.1/73

- sign -52.465+/-10.575 χ^2/NDF: 57.7/37

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.934+/-0.009 χ^2/NDF:228081.0/19

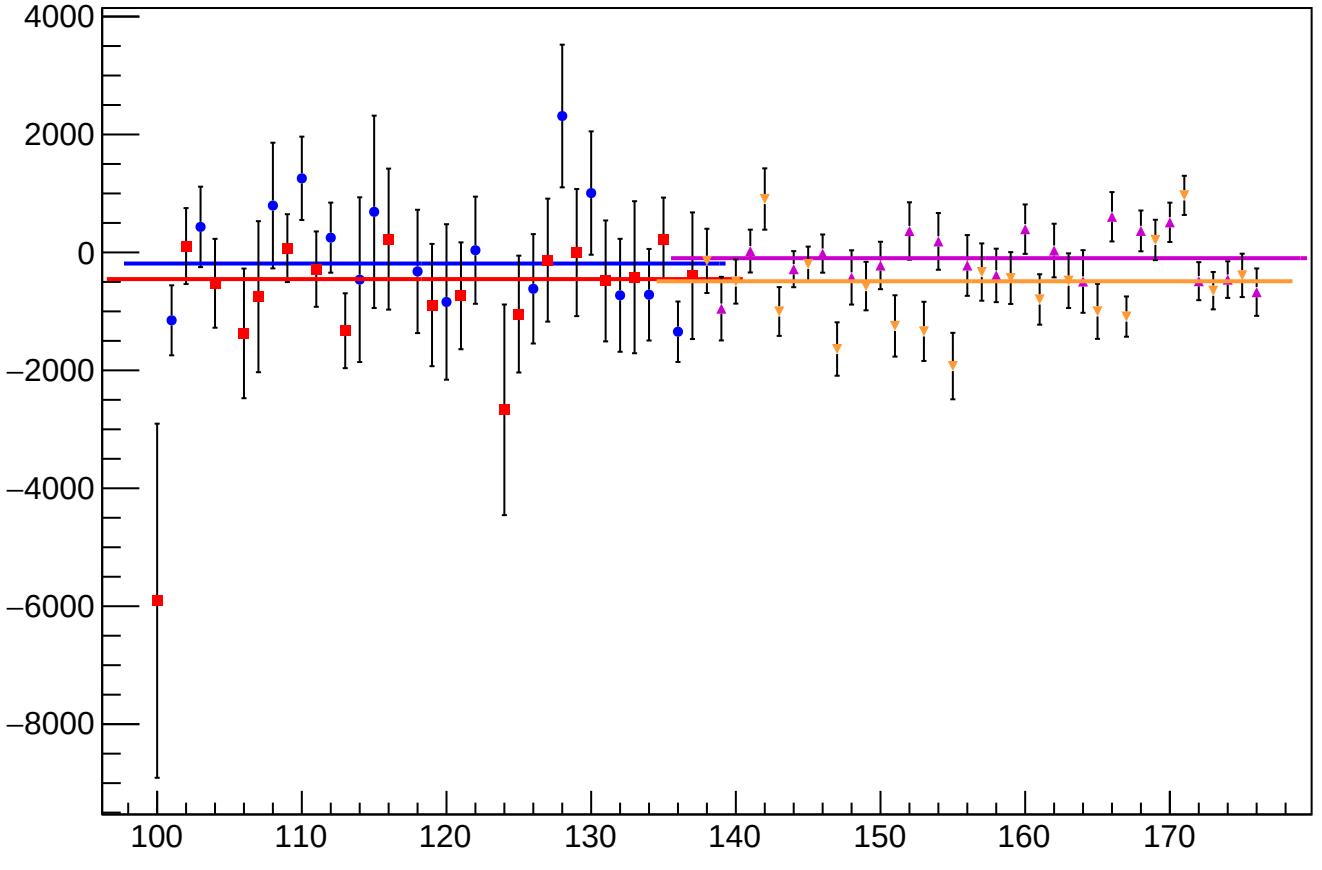
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.110+/-0.009 χ^2/NDF:215703.6/18

\+ sign 49.819+/-0.007 χ^2/NDF: 827905.2/35

All: 49.819+/-0.005 χ^2/NDF: 1705115.9/73

\- sign 49.819+/-0.007 χ^2/NDF: 877210.7/37



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -489.004+/-90.991 χ^2/NDF:56.8/19

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

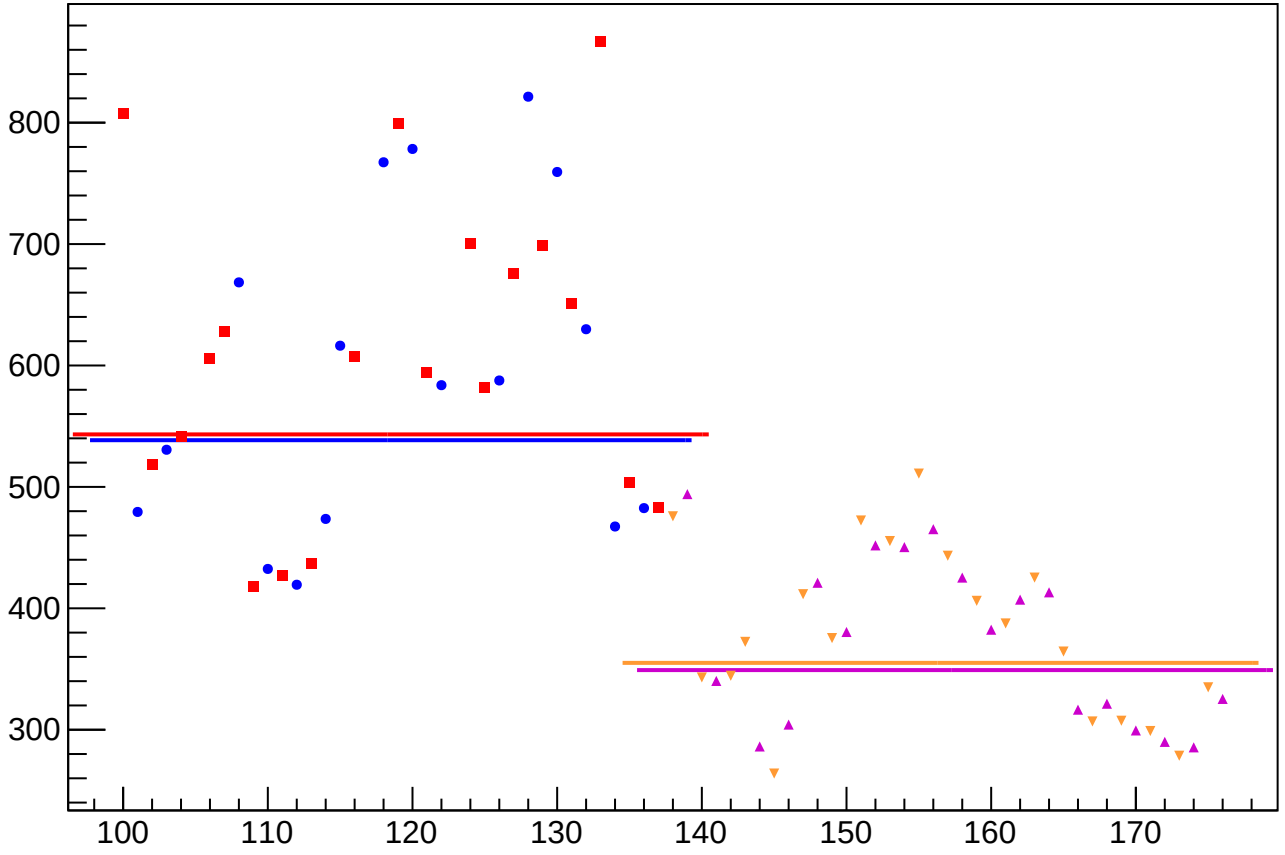
Left In: -97.715+/-90.281 χ^2/NDF:20.2/18

+ sign -439.881+/-83.221 χ^2/NDF: 79.9/35

All: -296.728+/-58.608 χ^2/NDF: 119.8/73

- sign -155.867+/-82.552 χ^2/NDF: 34.1/37

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 355.073+/-0.064 χ^2/NDF:1076287.7/19

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

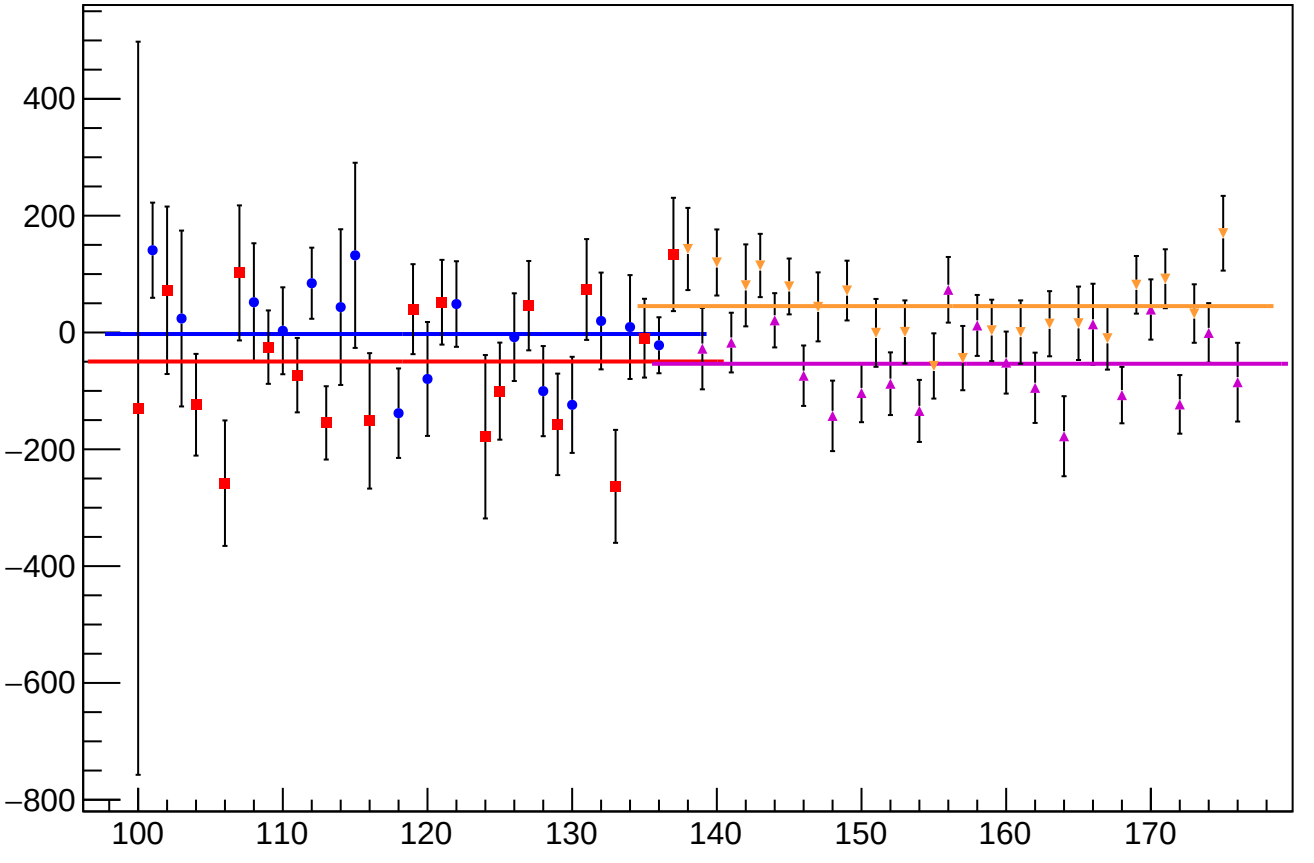
Left In: 349.121+/-0.064 χ^2/NDF:967672.3/18

+ sign 385.059+/-0.059 χ^2/NDF: 3018686.5/35

All: 382.980+/-0.041 χ^2/NDF: 6141359.0/73

- sign 380.935+/-0.058 χ^2/NDF: 3120196.9/37

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 45.148+/-12.382 χ^2/NDF:21.8/19

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

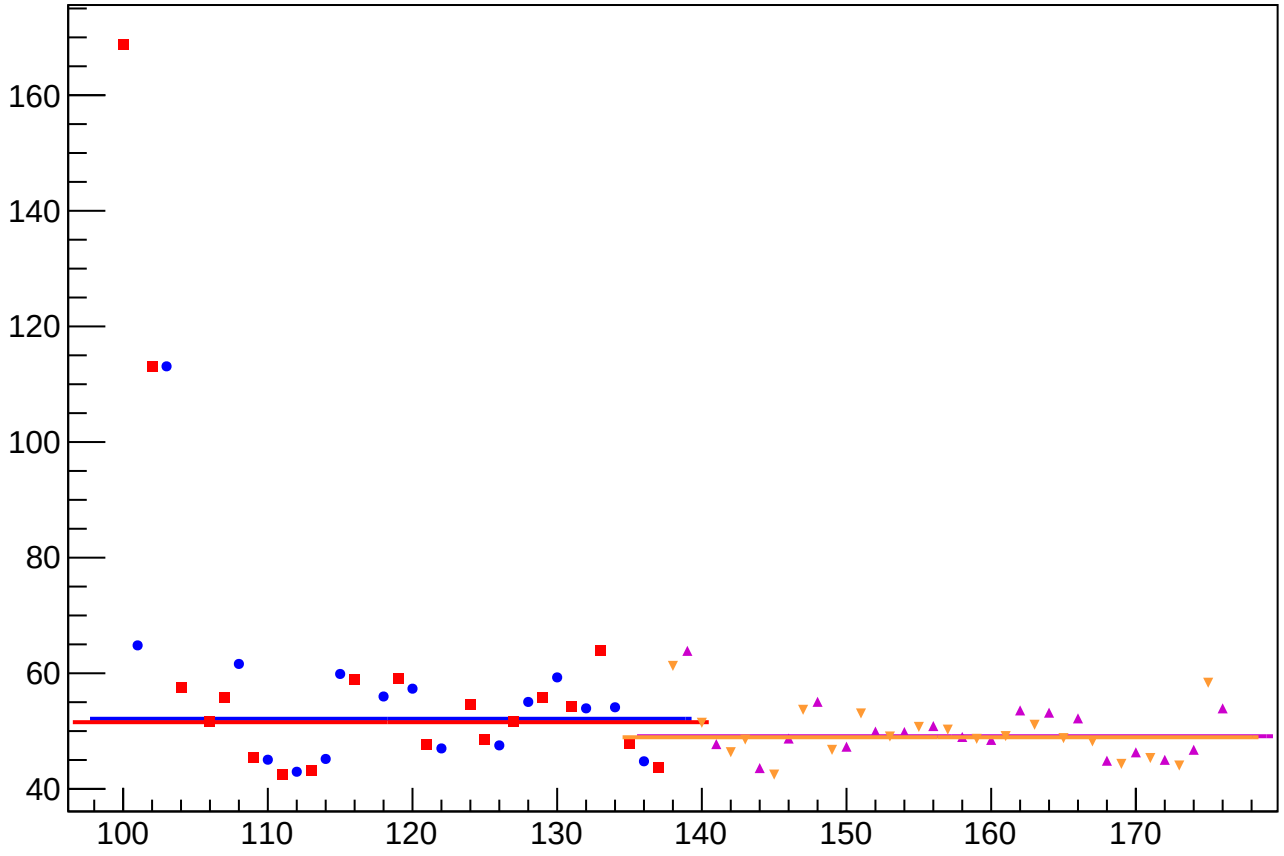
Left In: -53.551+/-12.554 χ^2/NDF:28.3/18

+ sign 31.908+/-10.527 χ^2/NDF: 40.5/35

All: -10.068+/-7.461 χ^2/NDF: 130.0/73

- sign -52.430+/-10.575 χ^2/NDF: 57.6/37

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.934+/-0.009 χ^2/NDF:228081.0/19

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

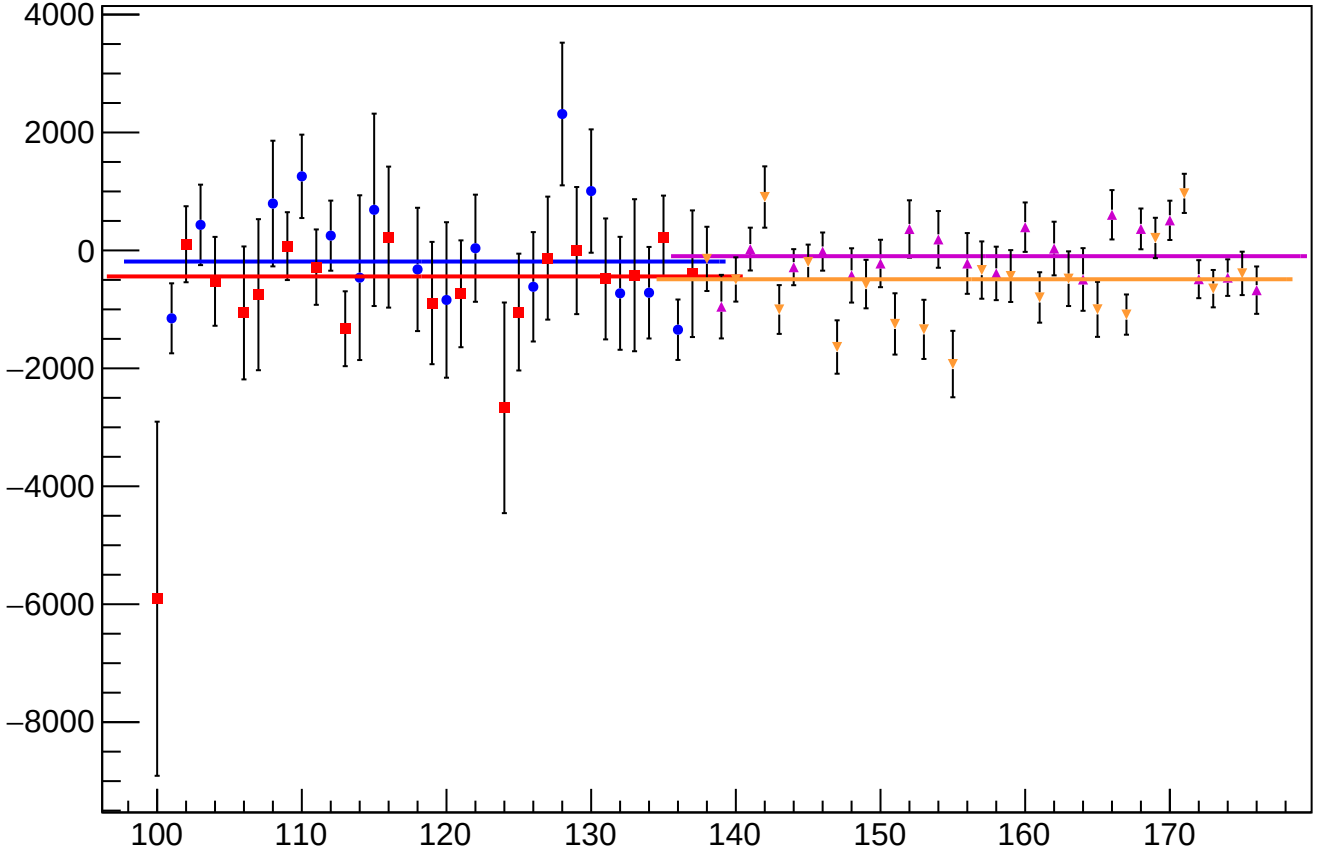
Left In: 49.110+/-0.009 χ^2/NDF:215703.6/18

+ sign 49.819+/-0.007 χ^2/NDF: 827907.4/35

All: 49.817+/-0.005 χ^2/NDF: 1705152.3/73

- sign 49.816+/-0.007 χ^2/NDF: 877244.8/37

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -489.002+/-90.991 χ^2/NDF:56.8/19

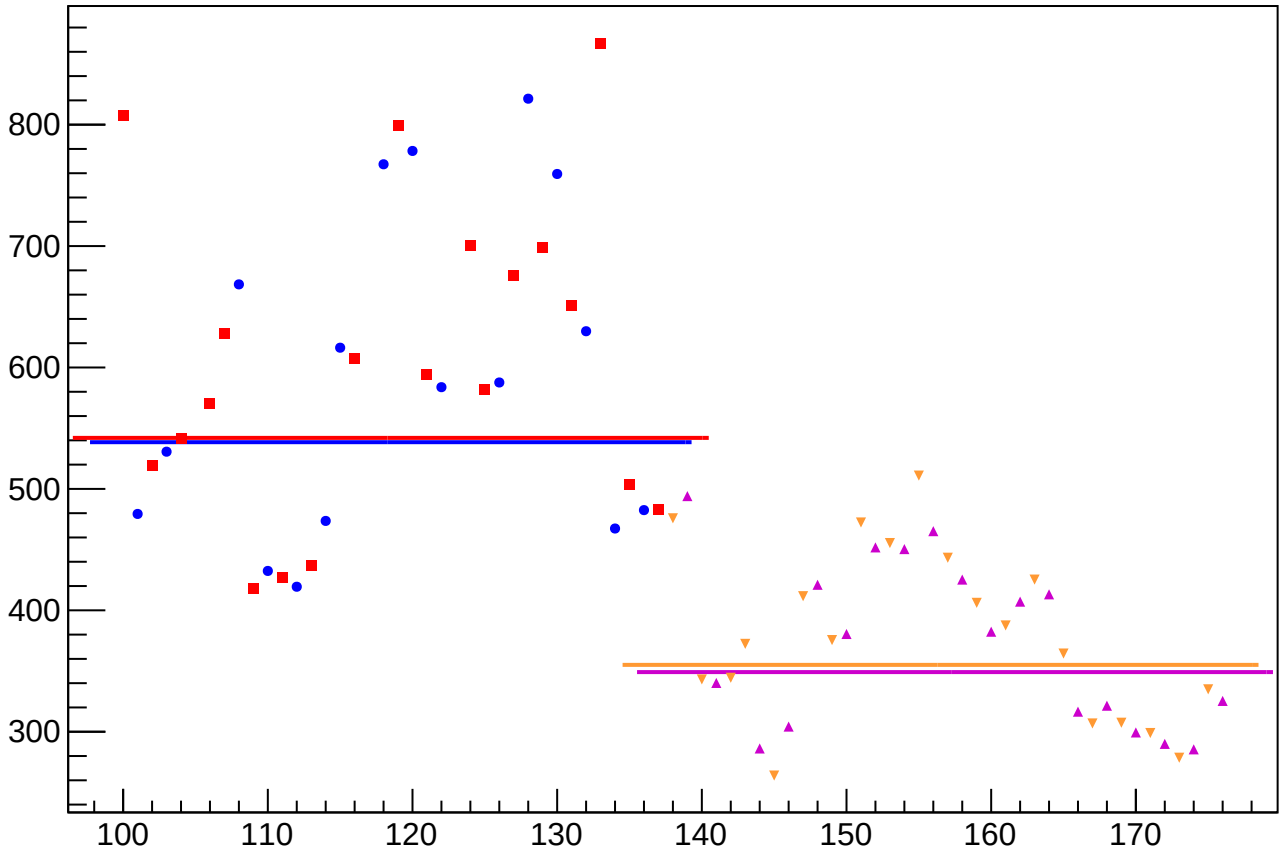
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -97.716+/-90.281 χ^2/NDF:20.2/18

\+ sign -439.876+/-83.221 χ^2/NDF: 79.9/35

All: -295.764+/-58.613 χ^2/NDF: 119.3/73

\- sign -153.915+/-82.565 χ^2/NDF: 33.5/37



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.073+/-0.064 χ^2/NDF:1076291.8/19

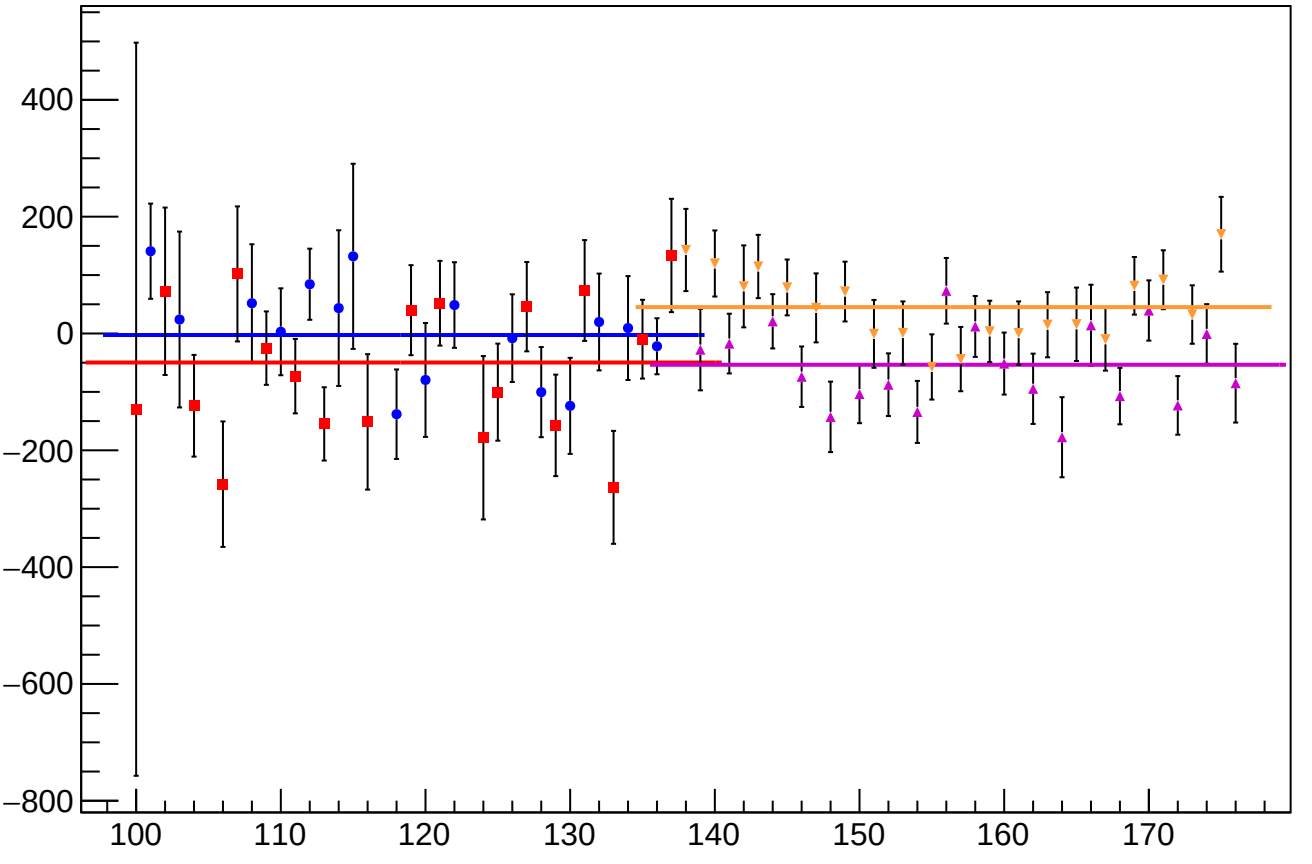
Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 349.120+/-0.064 χ^2/NDF:967671.8/18

+ sign 385.059+/-0.059 χ^2/NDF: 3018744.7/35

All: 382.855+/-0.041 χ^2/NDF: 6114871.3/73

- sign 380.685+/-0.058 χ^2/NDF: 3093342.8/37



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 45.148+/-12.382 χ^2/NDF:21.8/19

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

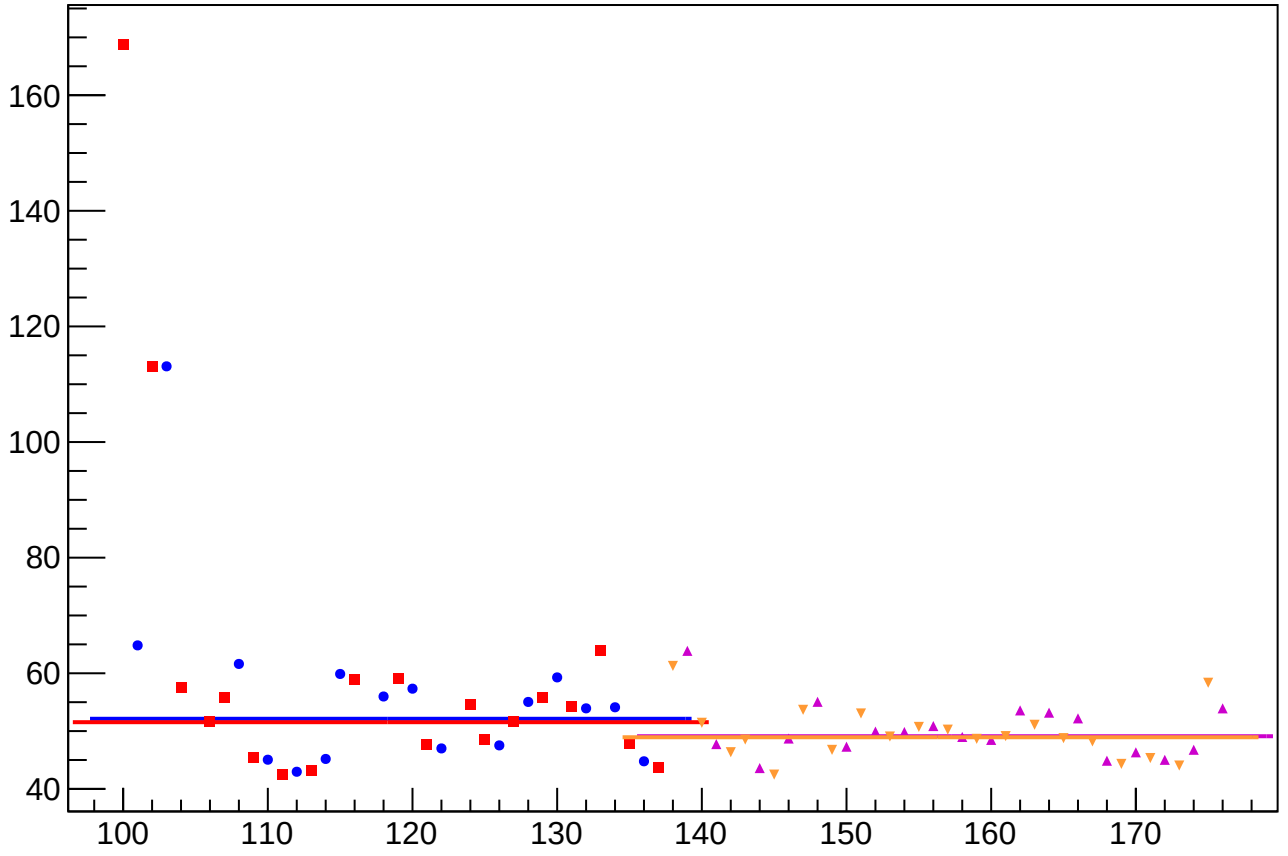
Left In: -53.551+/-12.554 χ^2/NDF:28.3/18

+ sign 31.908+/-10.527 χ^2/NDF: 40.5/35

All: -10.068+/-7.461 χ^2/NDF: 130.0/73

- sign -52.430+/-10.575 χ^2/NDF: 57.6/37

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.934+/-0.009 χ^2/NDF:228081.0/19

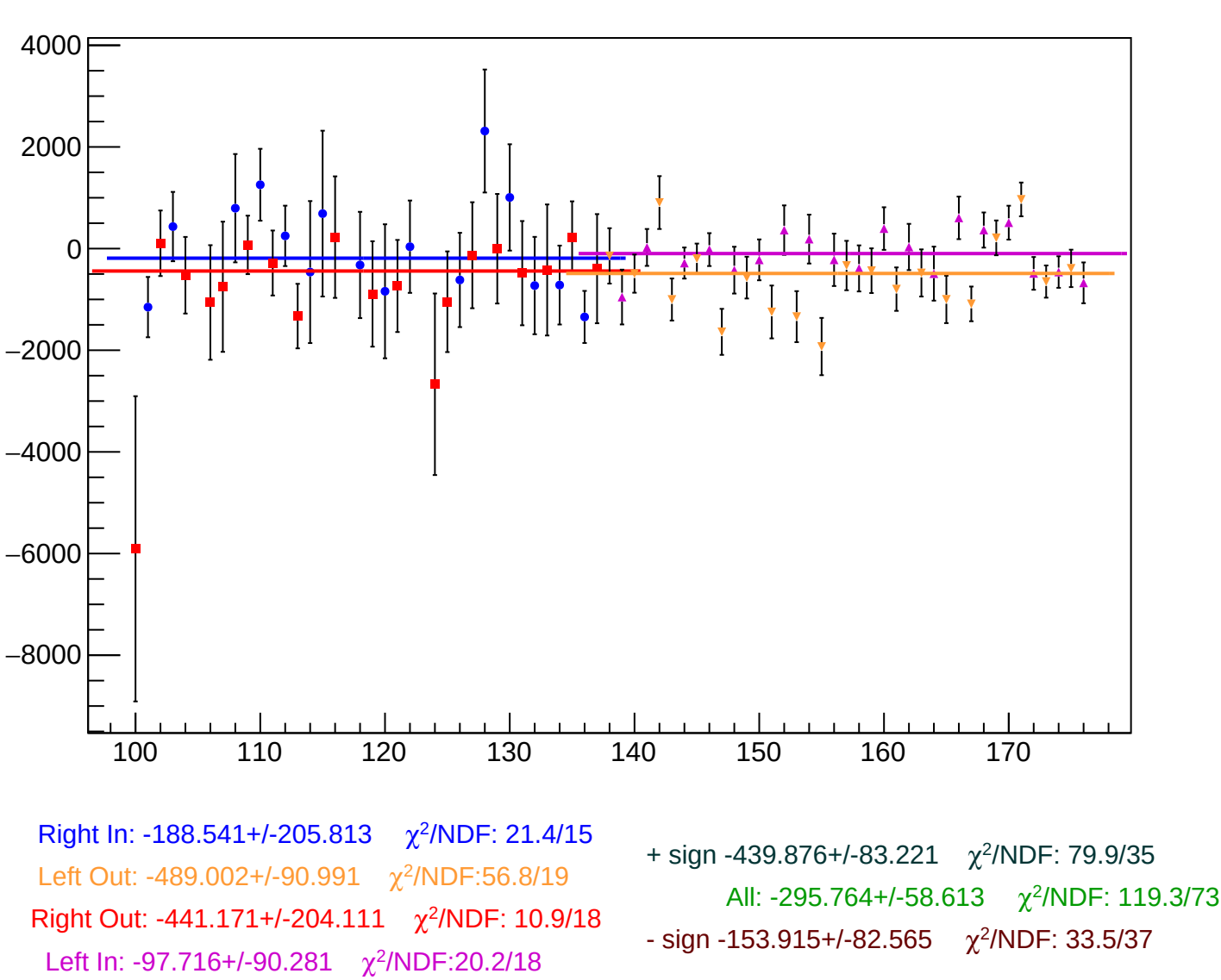
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

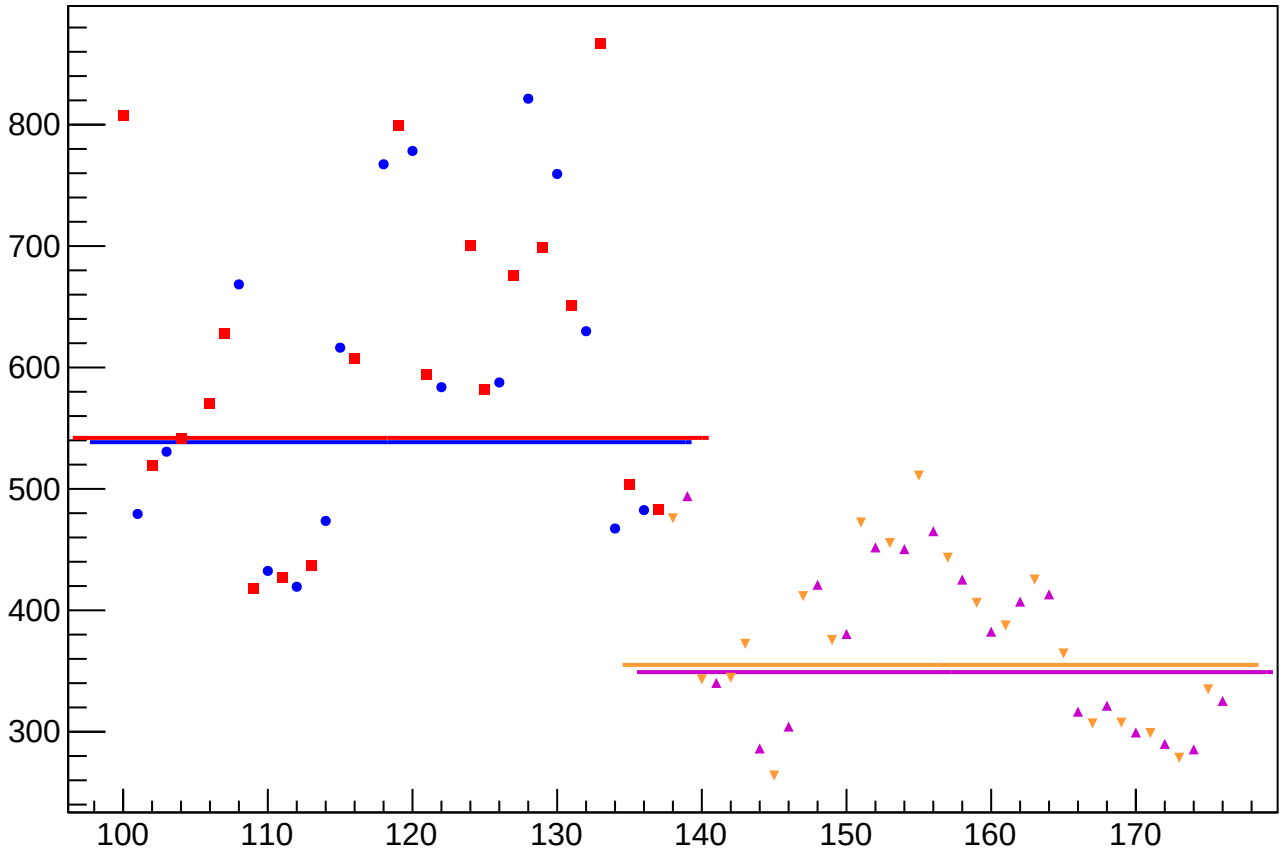
Left In: 49.110+/-0.009 χ^2/NDF:215703.6/18

+ sign 49.819+/-0.007 χ^2/NDF: 827907.4/35

All: 49.817+/-0.005 χ^2/NDF: 1705152.3/73

- sign 49.816+/-0.007 χ^2/NDF: 877244.8/37


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: -188.541+/-205.813 χ²/NDF: 21.4/15
Left Out: -489.002+/-90.991 χ²/NDF:56.8/19
Right Out: -441.171+/-204.111 χ²/NDF: 10.9/18
Left In: -97.716+/-90.281 χ²/NDF:20.2/18
+ sign -439.876+/-83.221 χ²/NDF: 79.9/35
All: -295.764+/-58.613 χ²/NDF: 119.3/73
- sign -153.915+/-82.565 χ²/NDF: 33.5/37



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.073+/-0.064 χ^2/NDF:1076291.8/19

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

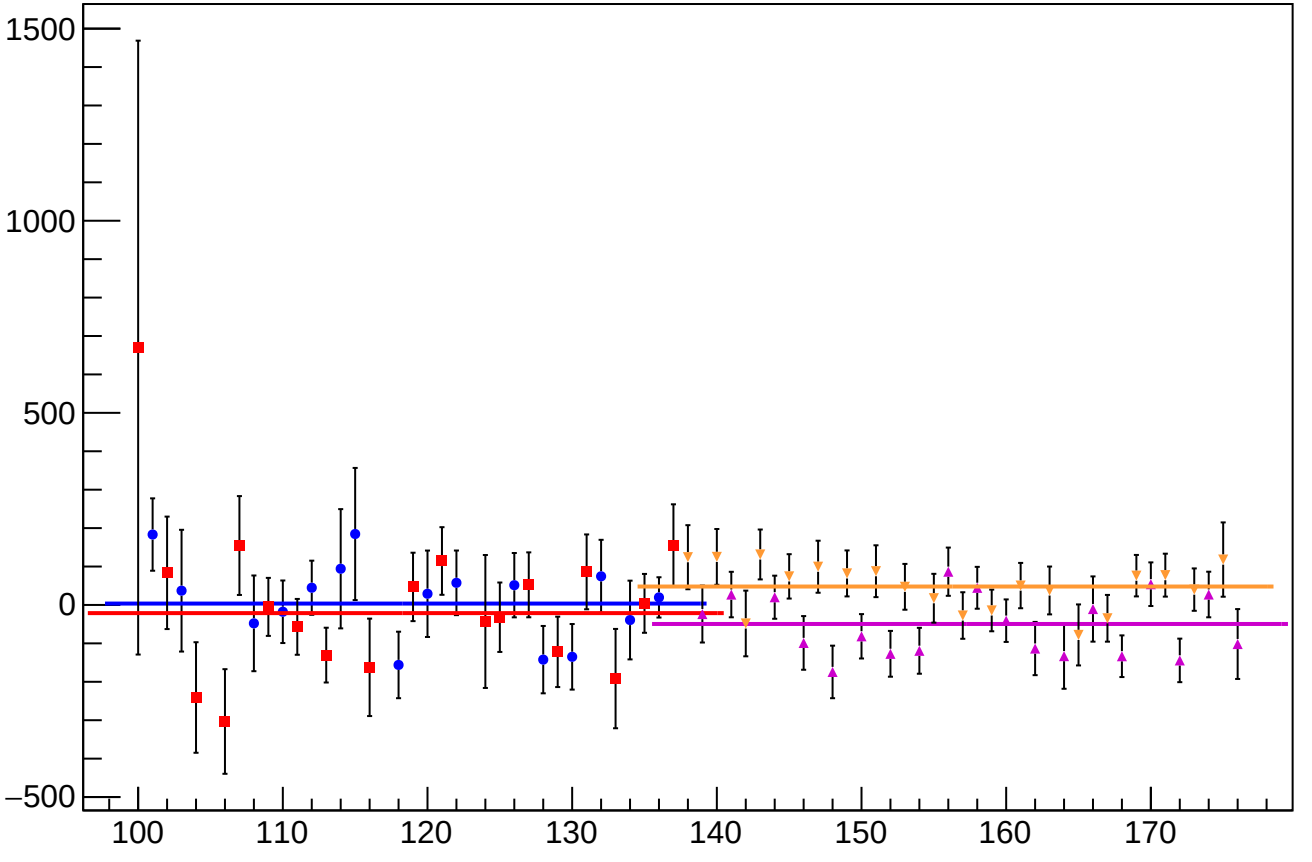
Left In: 349.120+/-0.064 χ^2/NDF:967671.8/18

+ sign 385.059+/-0.059 χ^2/NDF: 3018744.7/35

All: 382.855+/-0.041 χ^2/NDF: 6114871.3/73

- sign 380.685+/-0.058 χ^2/NDF: 3093342.8/37

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.941+/-14.228 χ^2/NDF:14.9/19

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

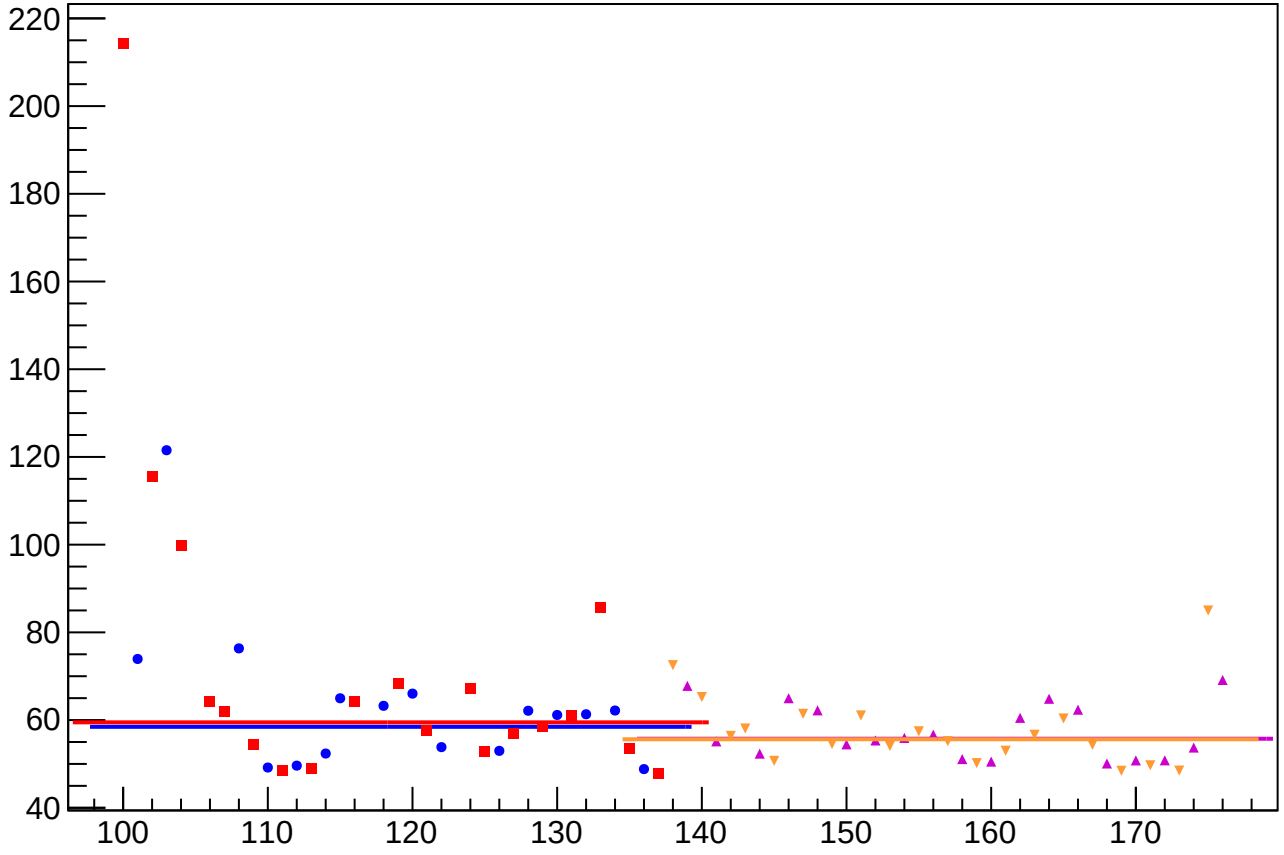
Left In: -49.526+/-14.381 χ^2/NDF:30.8/18

+ sign 35.259+/-12.022 χ^2/NDF: 33.9/35

All: -2.668+/-8.549 χ^2/NDF: 110.3/73

- sign -41.463+/-12.159 χ^2/NDF: 56.3/37

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 55.625+/-0.010 χ^2/NDF:474814.5/19

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

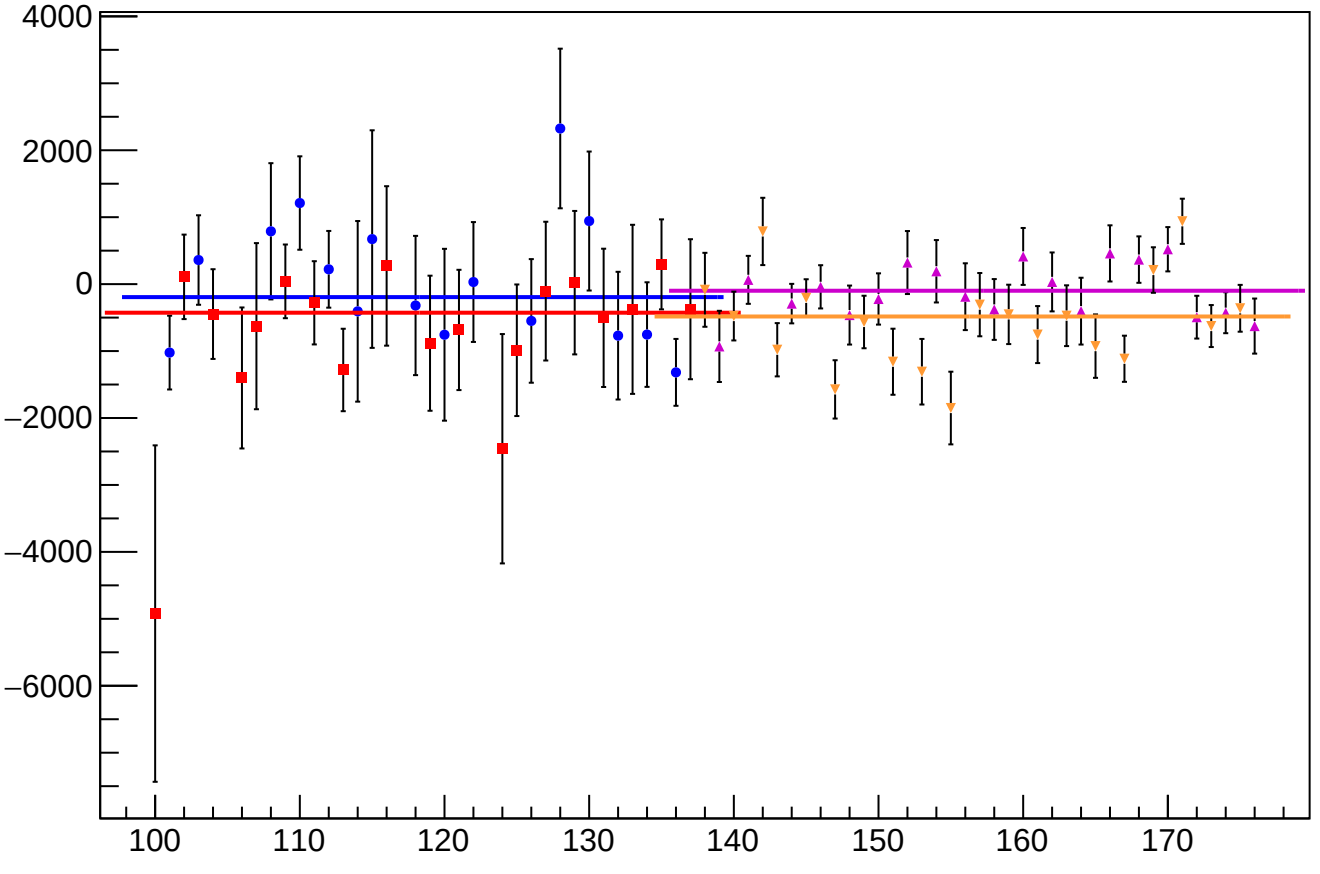
Left In: 55.744+/-0.010 χ^2/NDF:289434.6/18

+ sign 56.438+/-0.009 χ^2/NDF: 1080588.0/35

All: 56.622+/-0.006 χ^2/NDF: 2194421.0/73

- sign 56.811+/-0.009 χ^2/NDF: 1112880.5/37

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -483.455+/-89.077 χ^2/NDF:53.9/19

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

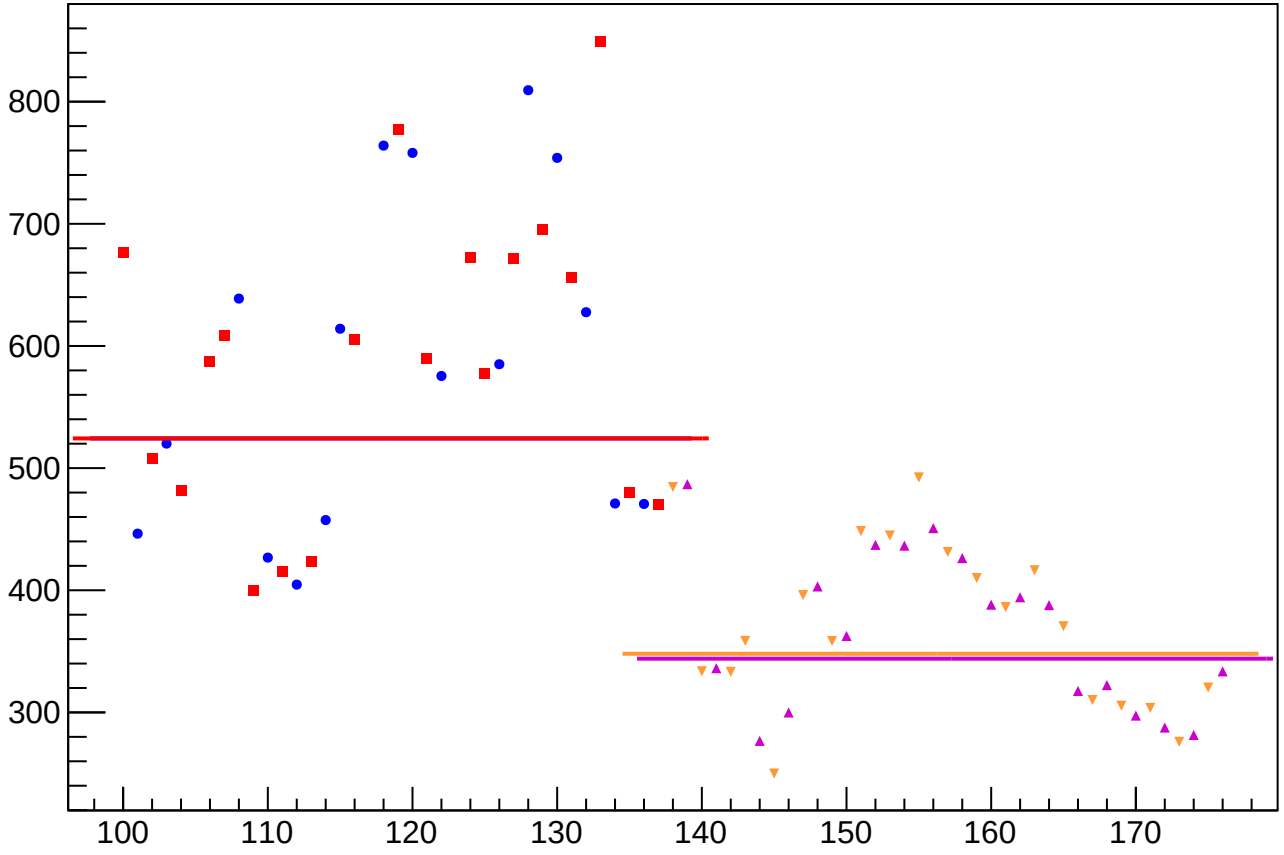
Left In: -98.809+/-88.885 χ^2/NDF:18.8/18

+ sign -435.765+/-81.411 χ^2/NDF: 76.4/35

All: -294.361+/-57.428 χ^2/NDF: 114.8/73

- sign -154.313+/-81.020 χ^2/NDF: 32.4/37

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 348.036+/-0.063 χ^2/NDF:1080786.0/19

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

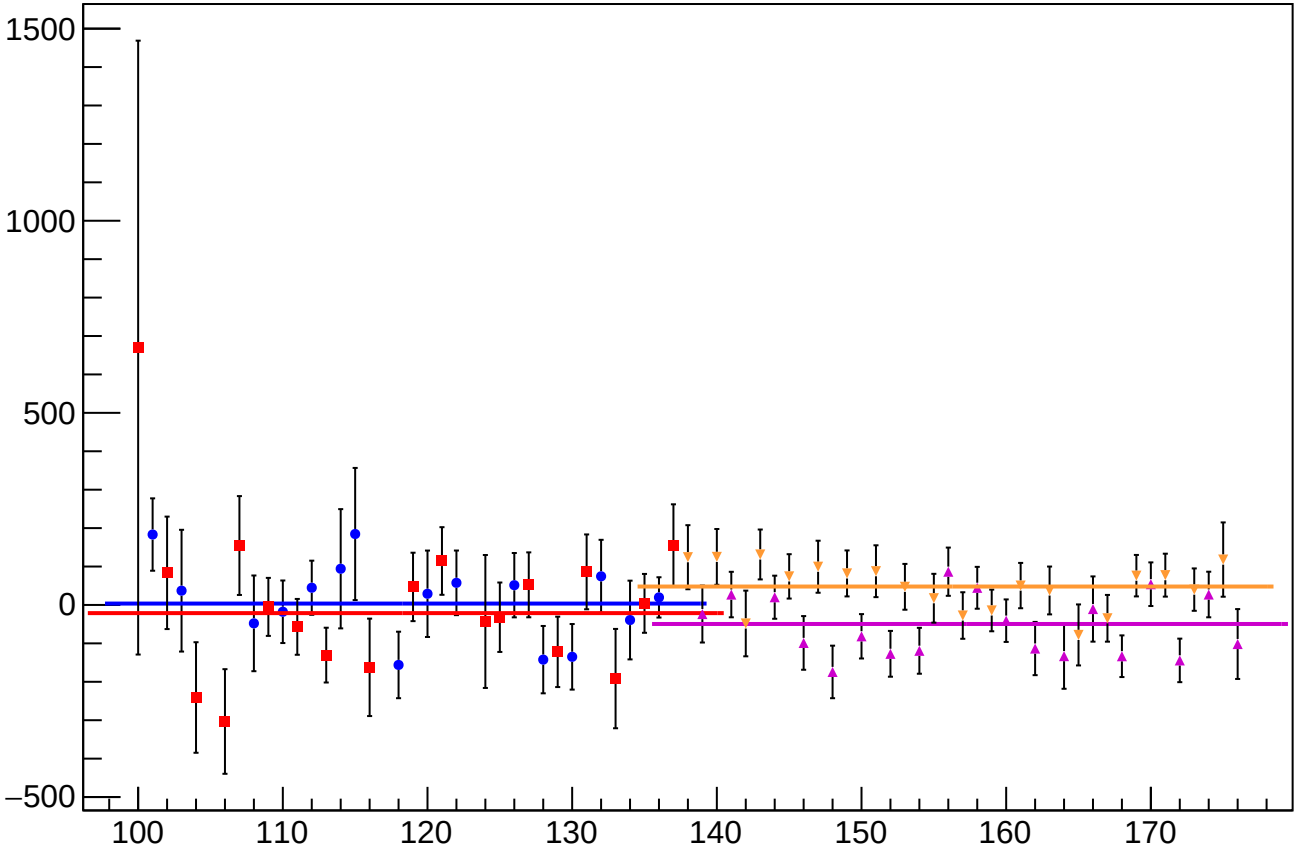
Left In: 343.999+/-0.063 χ^2/NDF:907462.1/18

+ sign 377.071+/-0.058 χ^2/NDF: 3029462.8/35

All: 375.777+/-0.041 χ^2/NDF: 6015975.2/73

- sign 374.495+/-0.057 χ^2/NDF: 2985506.6/37

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.942+/-14.228 χ^2/NDF:14.9/19

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

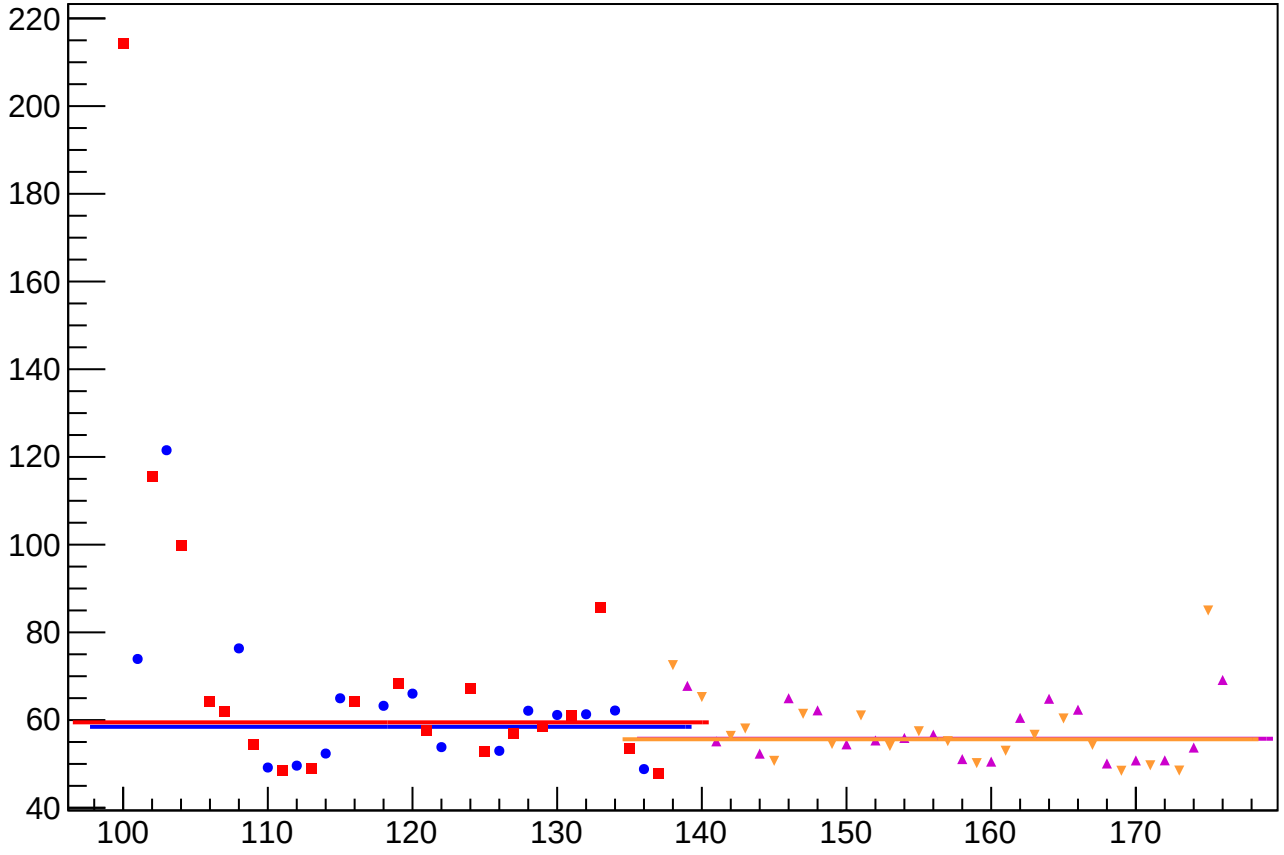
Left In: -49.525+/-14.382 χ^2/NDF:30.8/18

+ sign 35.259+/-12.022 χ^2/NDF: 33.9/35

All: -2.667+/-8.549 χ^2/NDF: 110.3/73

- sign -41.462+/-12.159 χ^2/NDF: 56.3/37

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 55.626+/-0.010 χ^2/NDF:474818.8/19

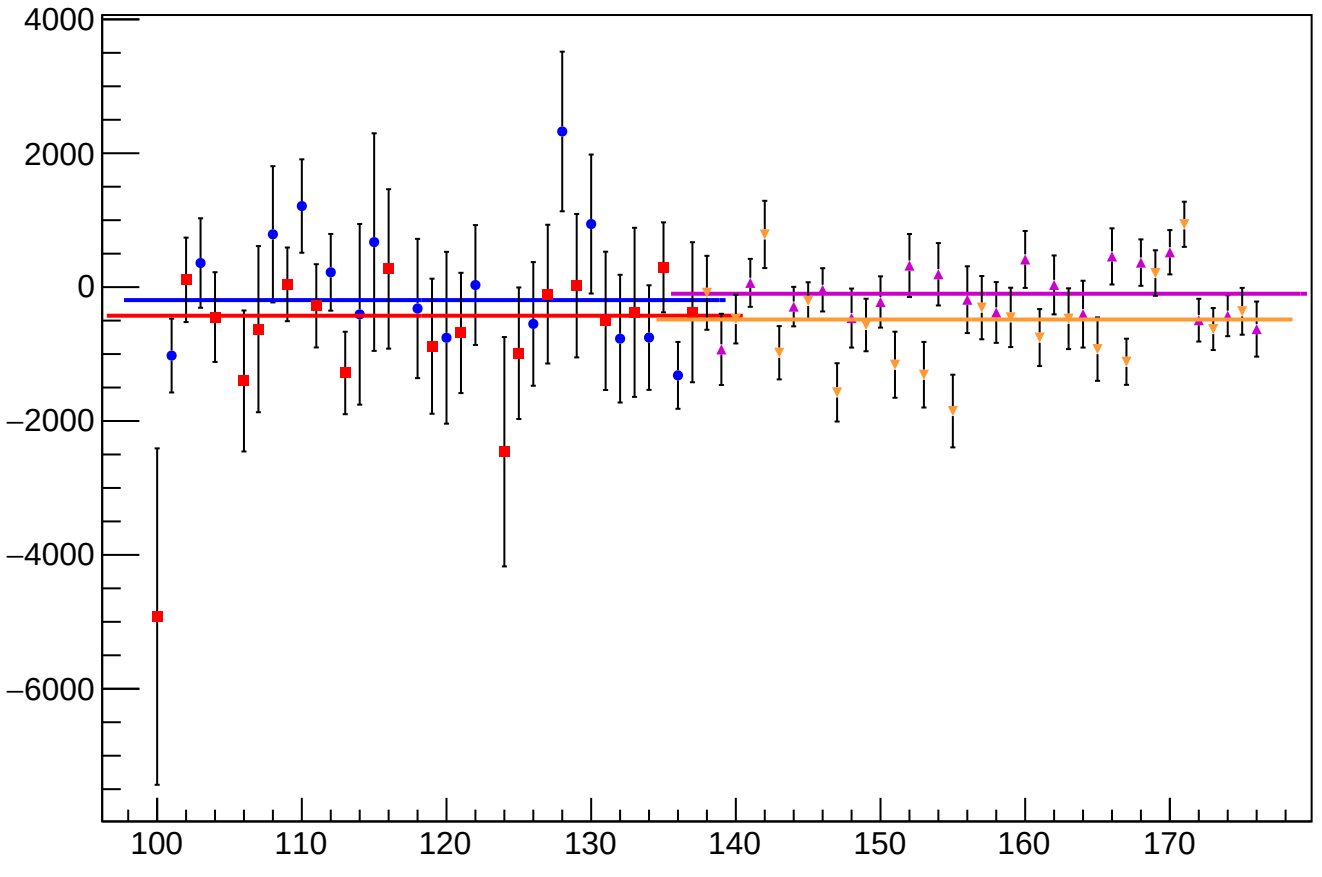
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 55.745+/-0.010 χ^2/NDF:289431.9/18

+ sign 56.438+/-0.009 χ^2/NDF: 1080588.1/35

All: 56.622+/-0.006 χ^2/NDF: 2194418.3/73

- sign 56.811+/-0.009 χ^2/NDF: 1112877.6/37



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -483.455+/-89.077 χ^2/NDF:53.9/19

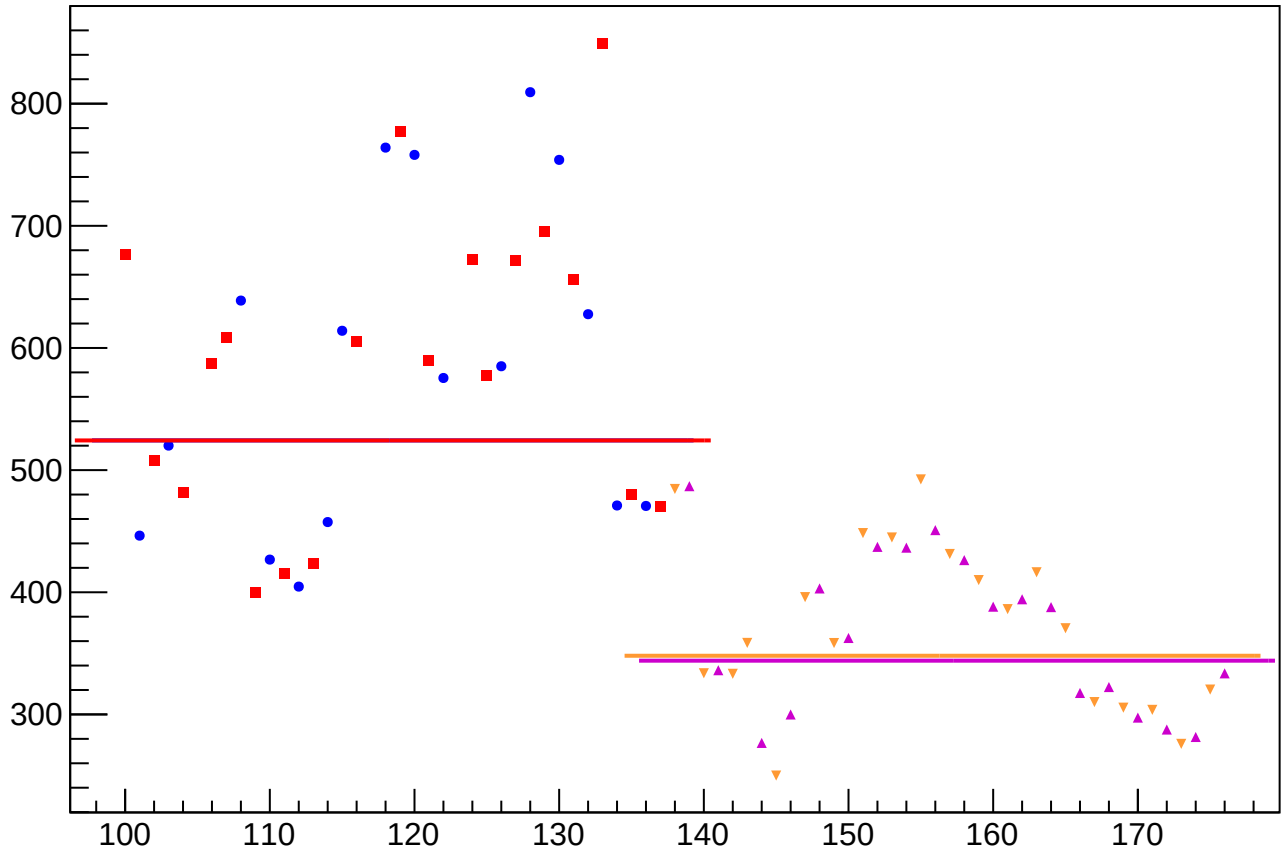
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -98.809+/-88.884 χ^2/NDF:18.8/18

+ sign -435.765+/-81.411 χ^2/NDF: 76.4/35

All: -294.361+/-57.428 χ^2/NDF: 114.8/73

- sign -154.313+/-81.020 χ^2/NDF: 32.4/37



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 348.036+/-0.063 χ^2/NDF:1080780.7/19

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

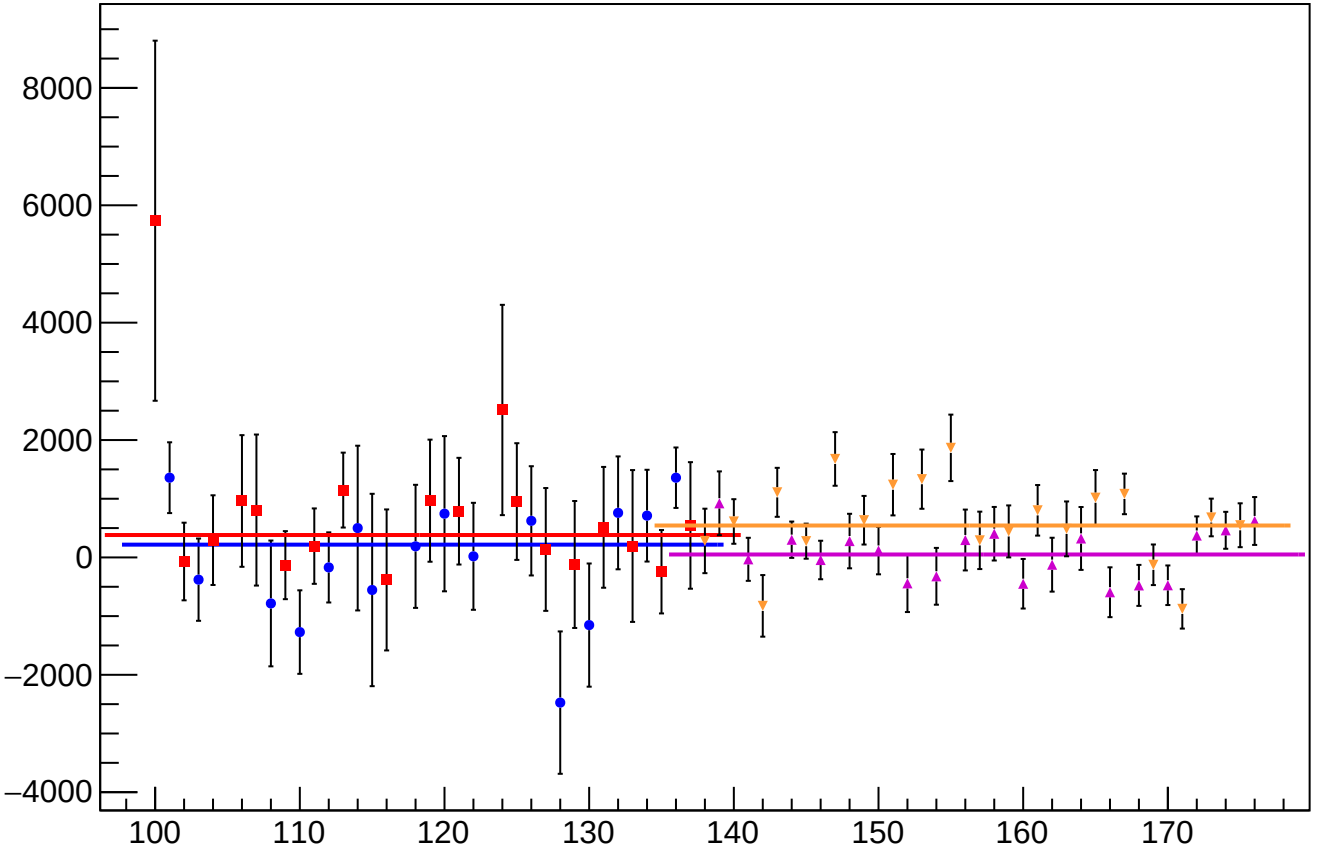
Left In: 343.999+/-0.063 χ^2/NDF:907455.0/18

+ sign 377.070+/-0.058 χ^2/NDF: 3029455.2/35

All: 375.776+/-0.041 χ^2/NDF: 6015954.4/73

- sign 374.495+/-0.057 χ^2/NDF: 2985493.4/37

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 543.921+/-91.917 χ^2/NDF:51.5/19

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

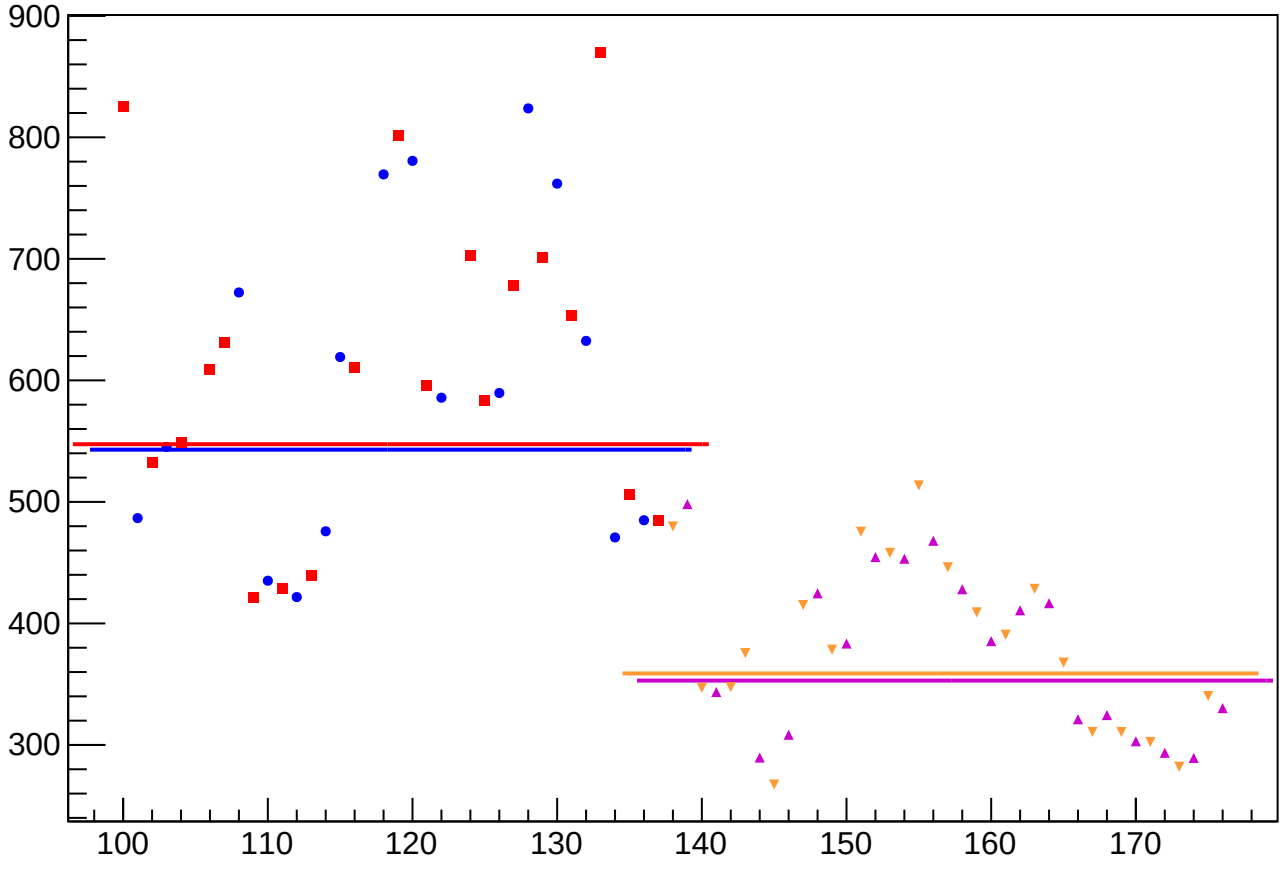
Left In: 50.126+/-91.239 χ^2/NDF:19.5/18

+ sign 490.414+/-84.040 χ^2/NDF: 76.5/35

All: 296.075+/-59.196 χ^2/NDF: 118.7/73

- sign 104.709+/-83.395 χ^2/NDF: 31.7/37

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 358.847+/-0.065 χ^2/NDF:1050125.1/19

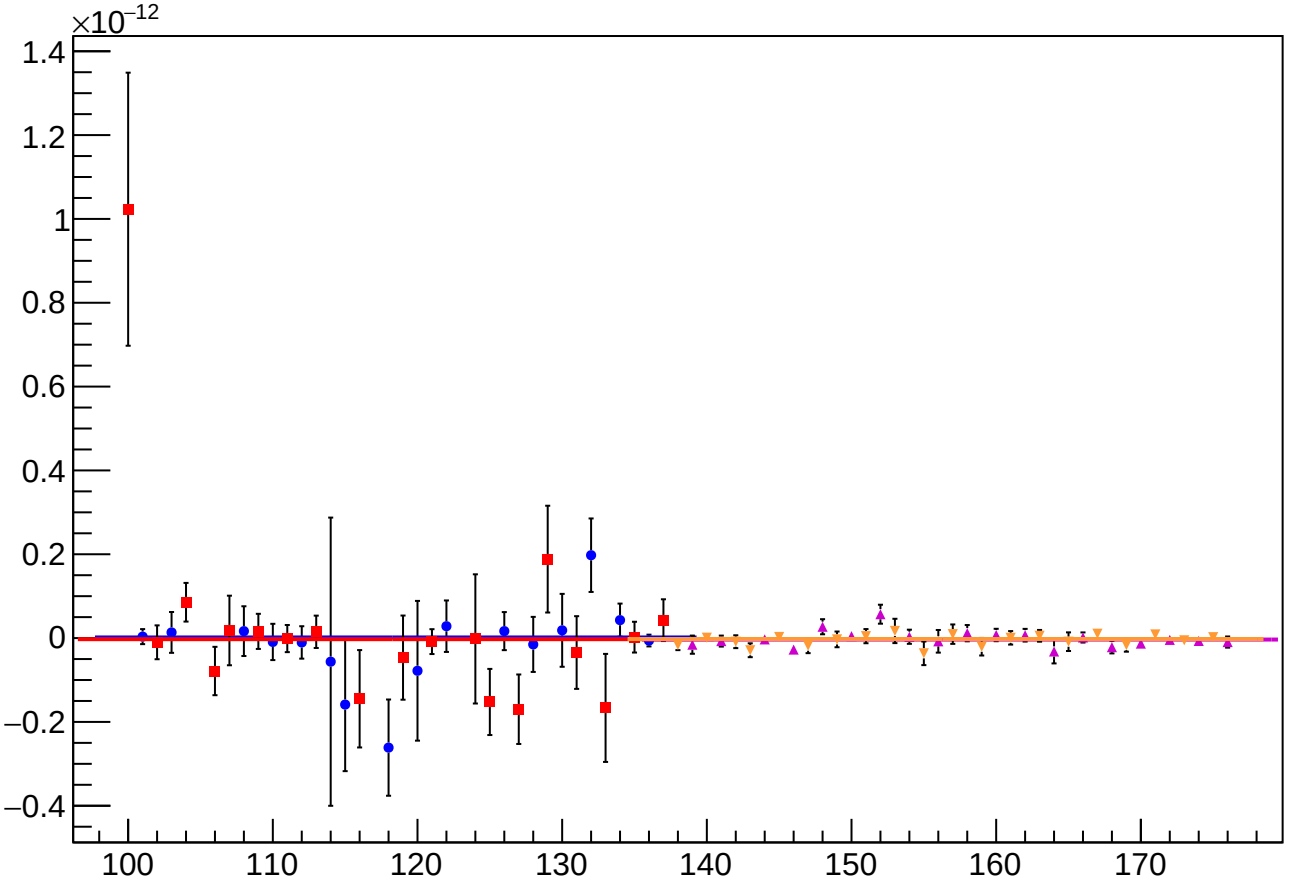
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 352.978+/-0.065 χ^2/NDF:943224.1/18

+ sign 389.056+/-0.059 χ^2/NDF: 2972283.9/35

All: 387.003+/-0.042 χ^2/NDF: 6043529.6/73

- sign 384.980+/-0.059 χ^2/NDF: 3068875.3/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/19

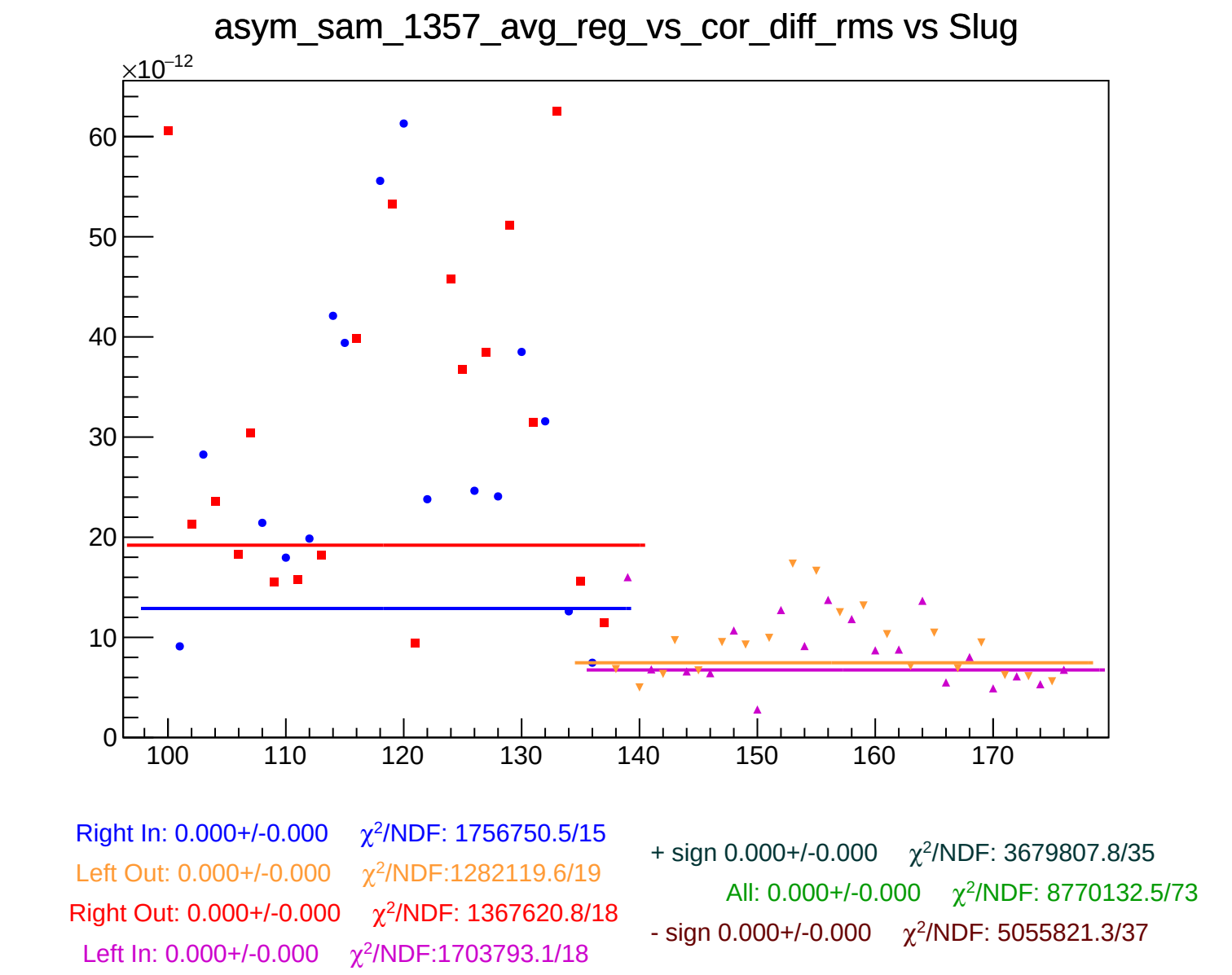
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/18

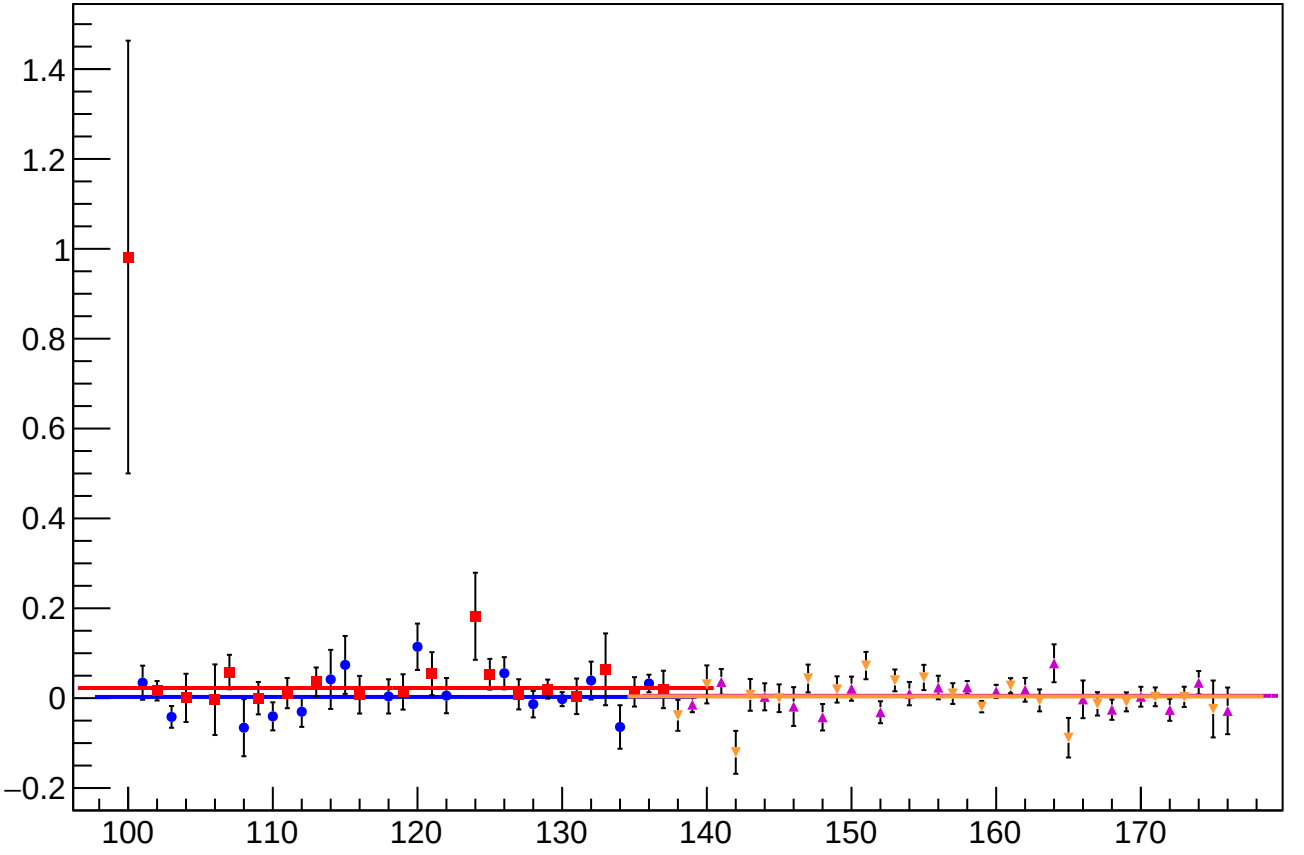
+ sign -0.000+/-0.000 χ^2/NDF: 25.9/35

All: -0.000+/-0.000 χ^2/NDF: 77.6/73

- sign -0.000+/-0.000 χ^2/NDF: 51.6/37


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1282119.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1703793.1/18
+ sign 0.000+/-0.000 χ²/NDF: 3679807.8/35
All: 0.000+/-0.000 χ²/NDF: 8770132.5/73
- sign 0.000+/-0.000 χ²/NDF: 5055821.3/37

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: 0.004+/-0.006 χ^2/NDF:30.9/19

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

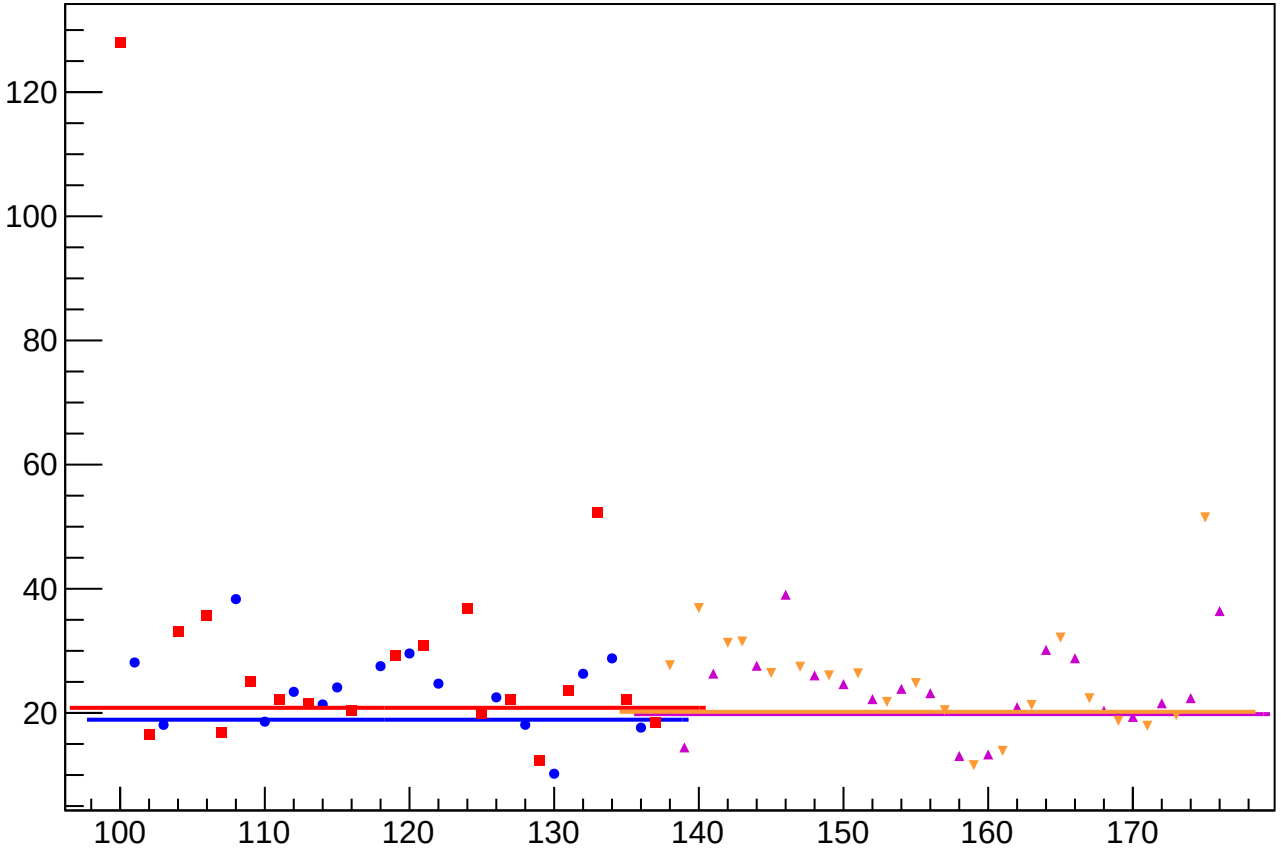
Left In: 0.005+/-0.005 χ^2/NDF:19.1/18

+ sign 0.003+/-0.005 χ^2/NDF: 52.8/35

All: 0.007+/-0.003 χ^2/NDF: 86.8/73

- sign 0.010+/-0.005 χ^2/NDF: 32.8/37

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: 20.185+/-0.004 χ^2/NDF:3027232.4/19

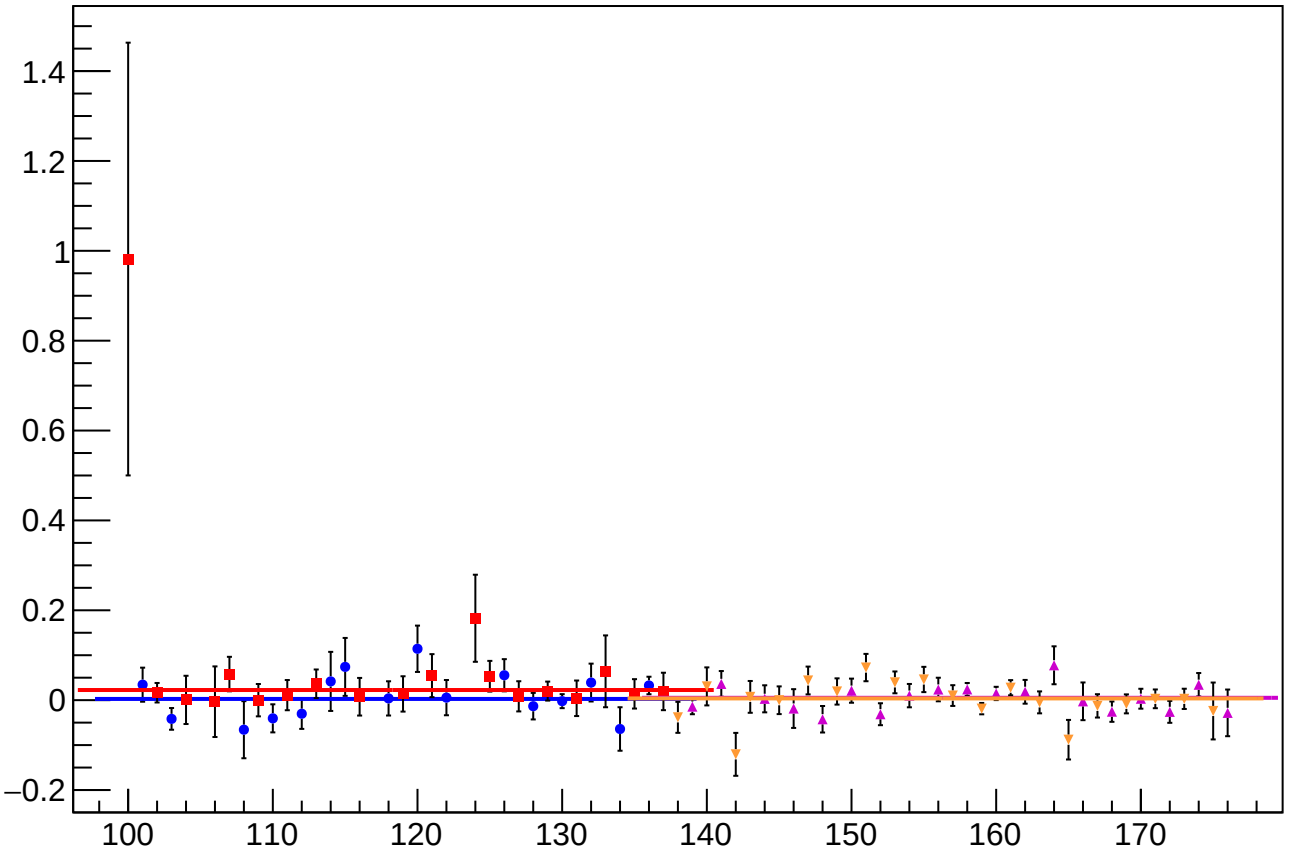
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.808+/-0.004 χ^2/NDF:2377020.0/18

\+ sign 19.753+/-0.003 χ^2/NDF: 4452799.0/35

All: 19.930+/-0.002 χ^2/NDF: 8147877.9/73

\- sign 20.111+/-0.003 χ^2/NDF: 3688956.3/37



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.9/19

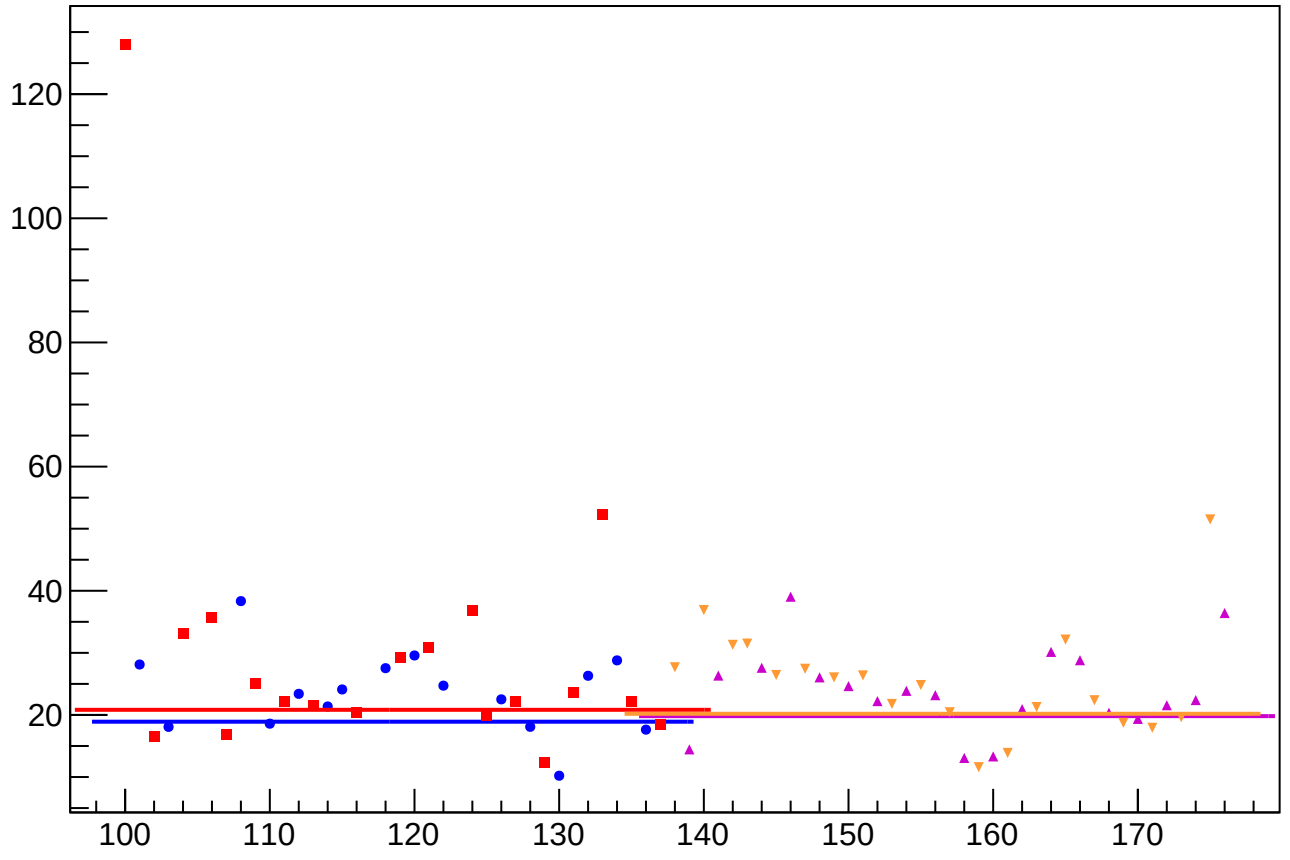
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.005+/-0.005 χ^2/NDF:19.1/18

+ sign 0.003+/-0.005 χ^2/NDF: 52.8/35

All: 0.007+/-0.003 χ^2/NDF: 86.8/73

- sign 0.010+/-0.005 χ^2/NDF: 32.8/37



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.185+/-0.004 χ^2/NDF:3027232.4/19

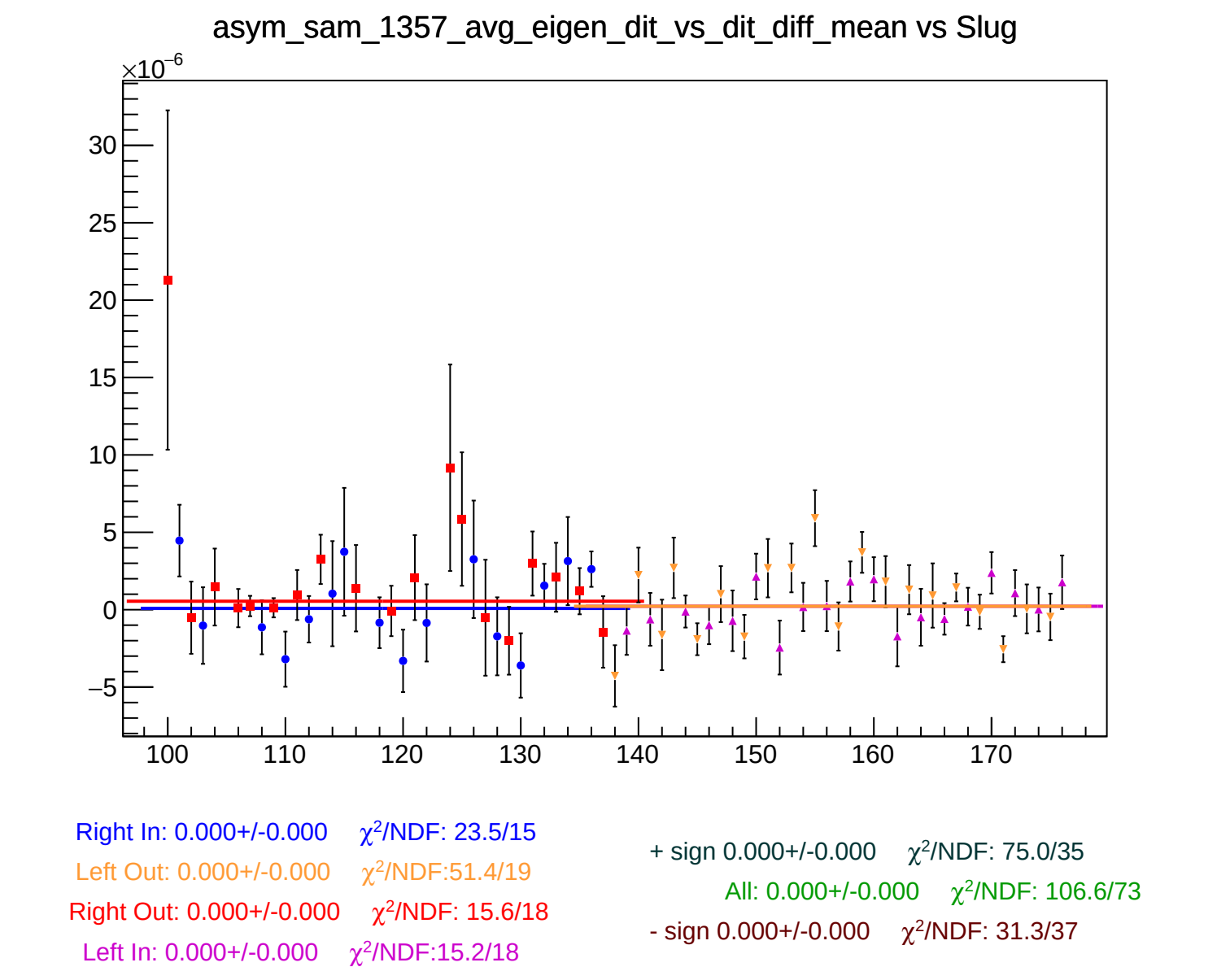
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

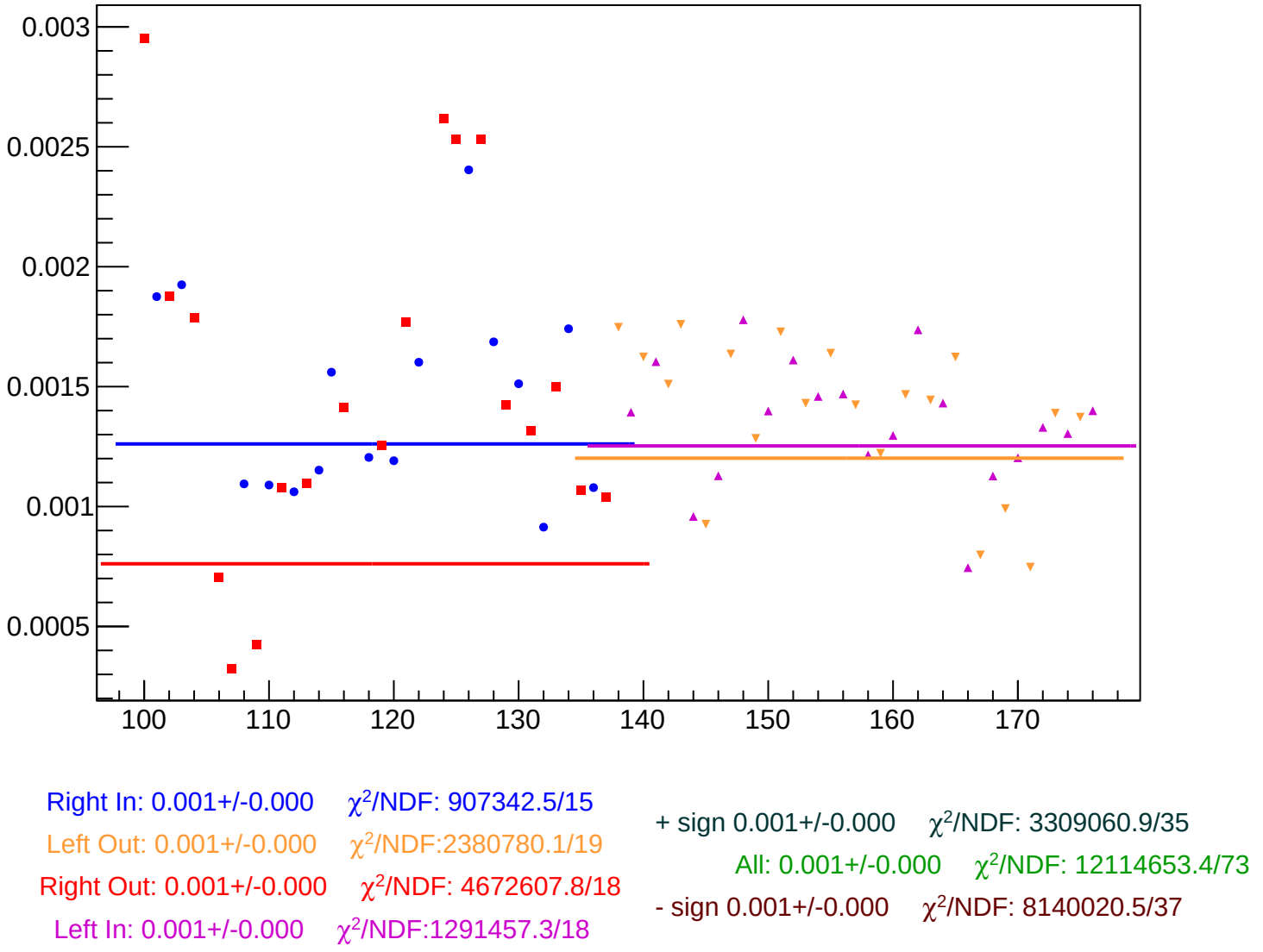
Left In: 19.808+/-0.004 χ^2/NDF:2377020.0/18

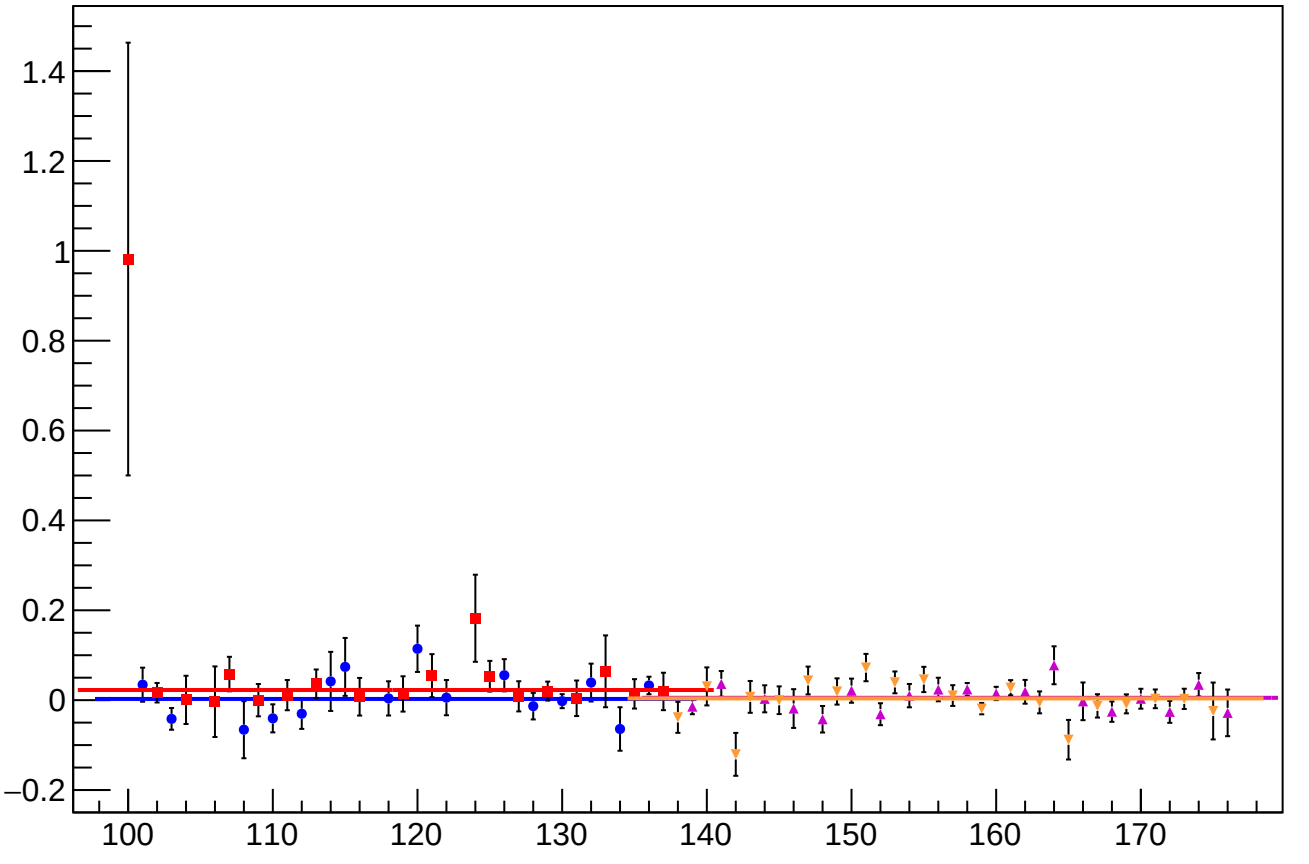
+ sign 19.753+/-0.003 χ^2/NDF: 4452799.0/35

All: 19.930+/-0.002 χ^2/NDF: 8147877.9/73

- sign 20.111+/-0.003 χ^2/NDF: 3688956.3/37


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−6
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 23.5/15
Left Out: 0.000+/-0.000 χ²/NDF:51.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/18
Left In: 0.000+/-0.000 χ²/NDF:15.2/18
+ sign 0.000+/-0.000 χ²/NDF: 75.0/35
All: 0.000+/-0.000 χ²/NDF: 106.6/73
- sign 0.000+/-0.000 χ²/NDF: 31.3/37


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:2380780.1/19
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:1291457.3/18
+ sign 0.001+/-0.000 χ²/NDF: 3309060.9/35
All: 0.001+/-0.000 χ²/NDF: 12114653.4/73
- sign 0.001+/-0.000 χ²/NDF: 8140020.5/37



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.9/19

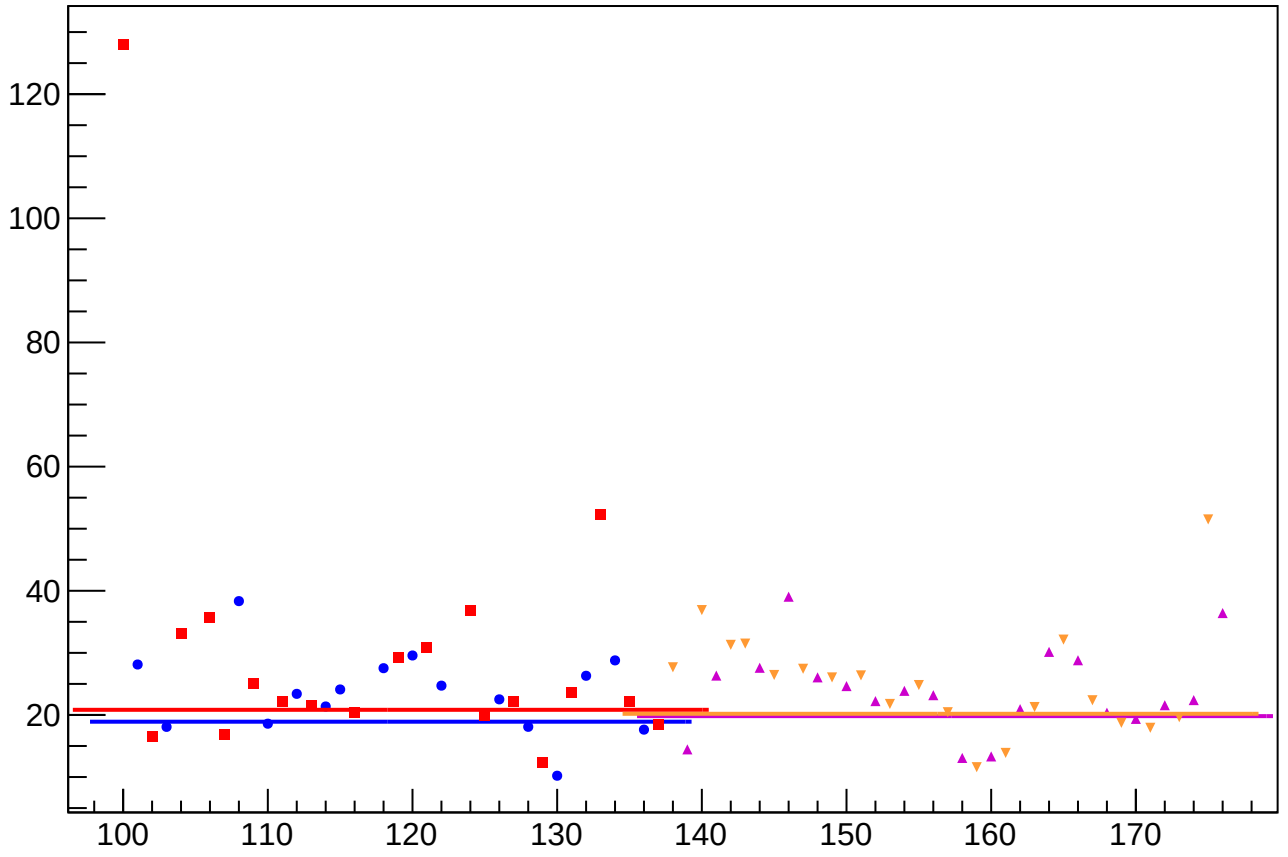
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.005+/-0.005 χ^2/NDF:19.1/18

+ sign 0.003+/-0.005 χ^2/NDF: 52.8/35

All: 0.007+/-0.003 χ^2/NDF: 86.8/73

- sign 0.010+/-0.005 χ^2/NDF: 32.8/37



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.185+/-0.004 χ^2/NDF:3027421.0/19

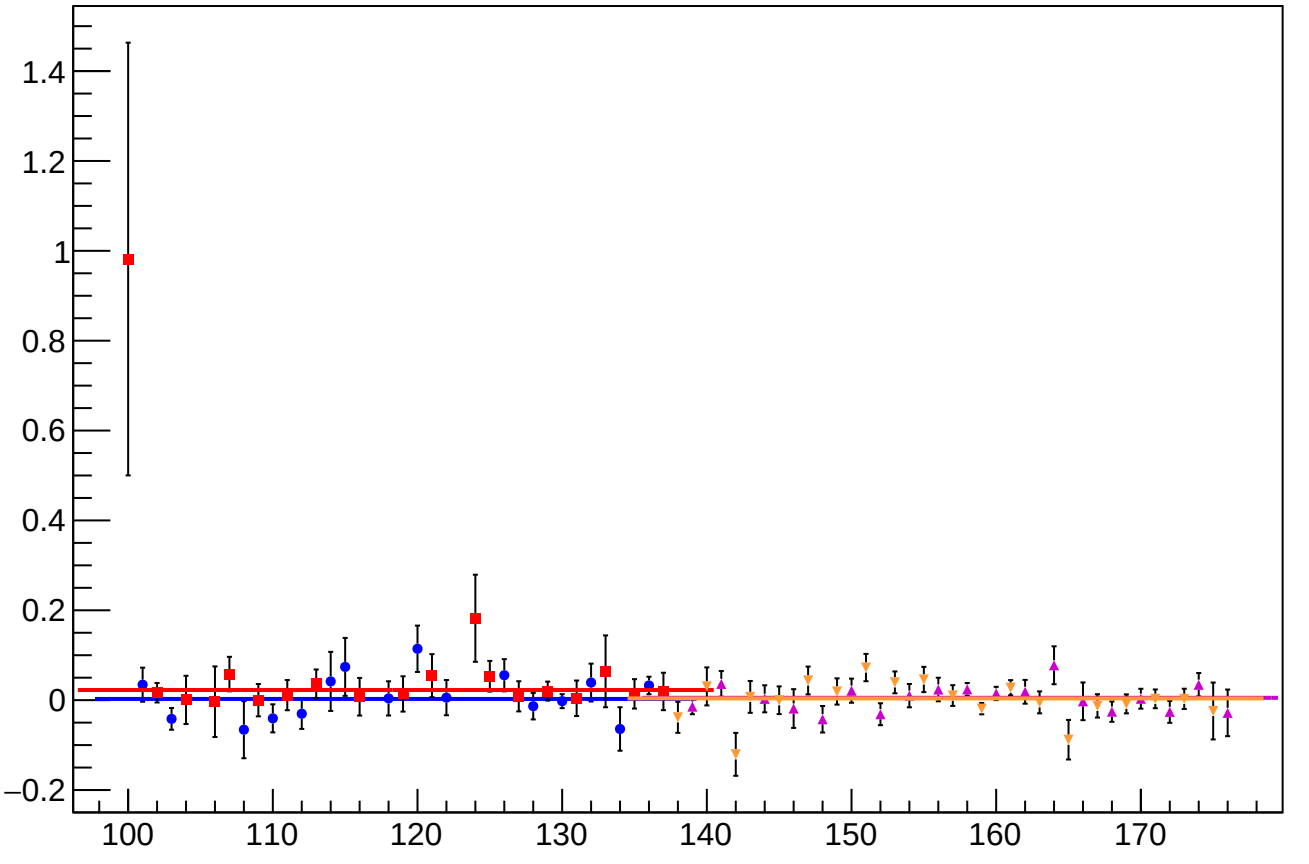
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.809+/-0.004 χ^2/NDF:2377092.4/18

+ sign 19.753+/-0.003 χ^2/NDF: 4452852.2/35

All: 19.930+/-0.002 χ^2/NDF: 8147999.9/73

- sign 20.112+/-0.003 χ^2/NDF: 3689024.5/37



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.9/19

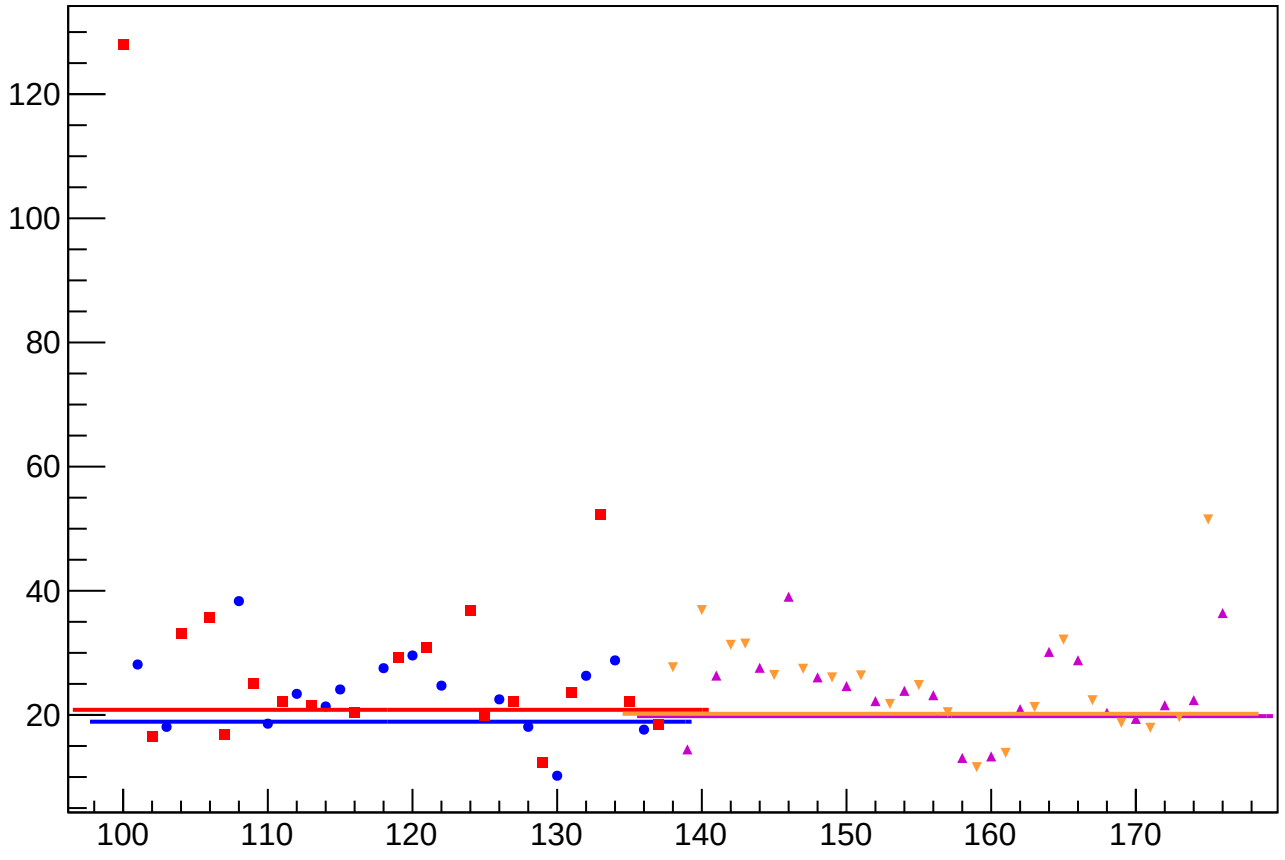
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.005+/-0.005 χ^2/NDF:19.1/18

+ sign 0.003+/-0.005 χ^2/NDF: 52.8/35

All: 0.007+/-0.003 χ^2/NDF: 86.8/73

- sign 0.010+/-0.005 χ^2/NDF: 32.8/37



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.185+/-0.004 χ^2/NDF:3027421.0/19

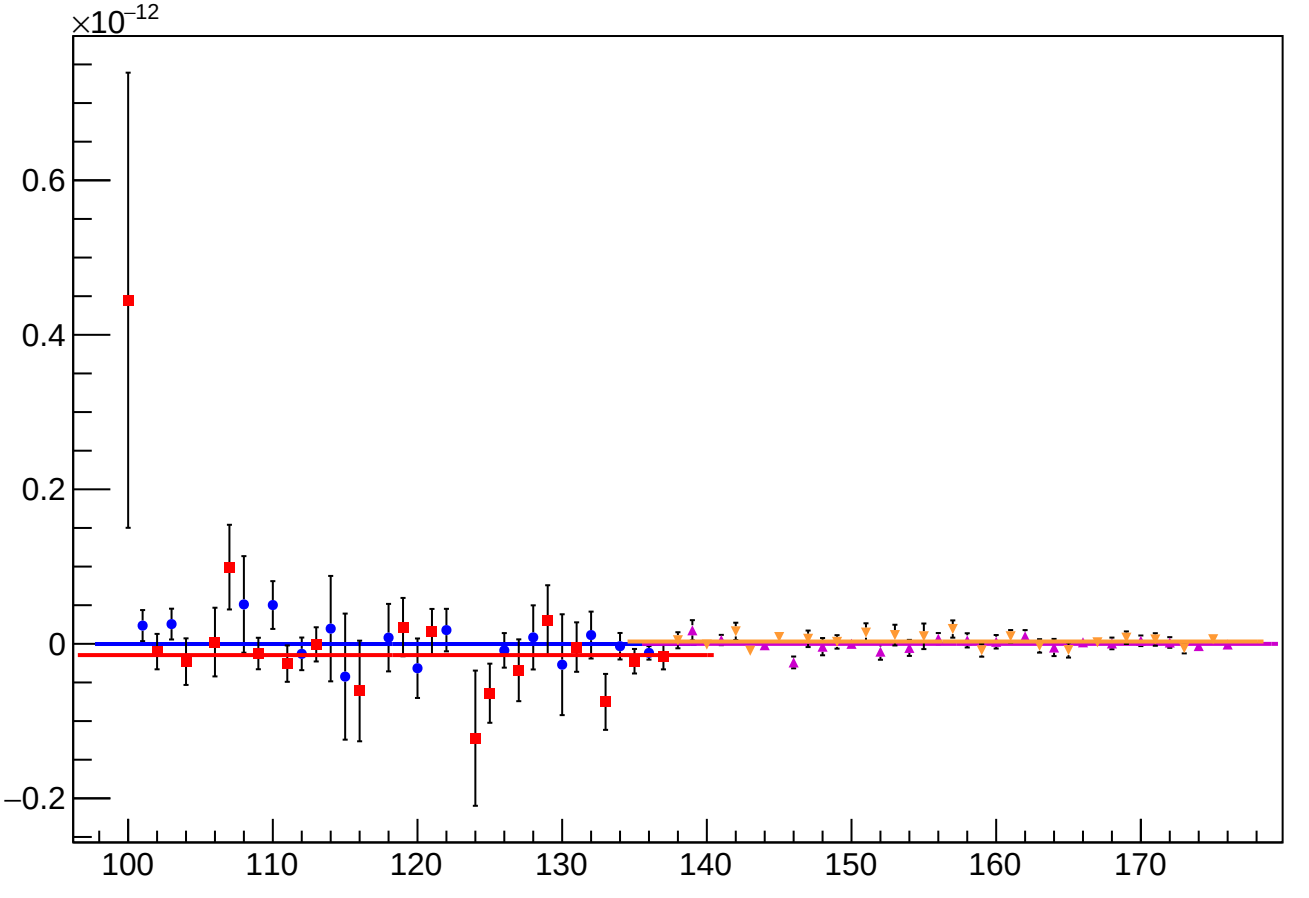
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.809+/-0.004 χ^2/NDF:2377092.4/18

+ sign 19.753+/-0.003 χ^2/NDF: 4452852.2/35

All: 19.930+/-0.002 χ^2/NDF: 8147999.9/73

- sign 20.112+/-0.003 χ^2/NDF: 3689024.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/19

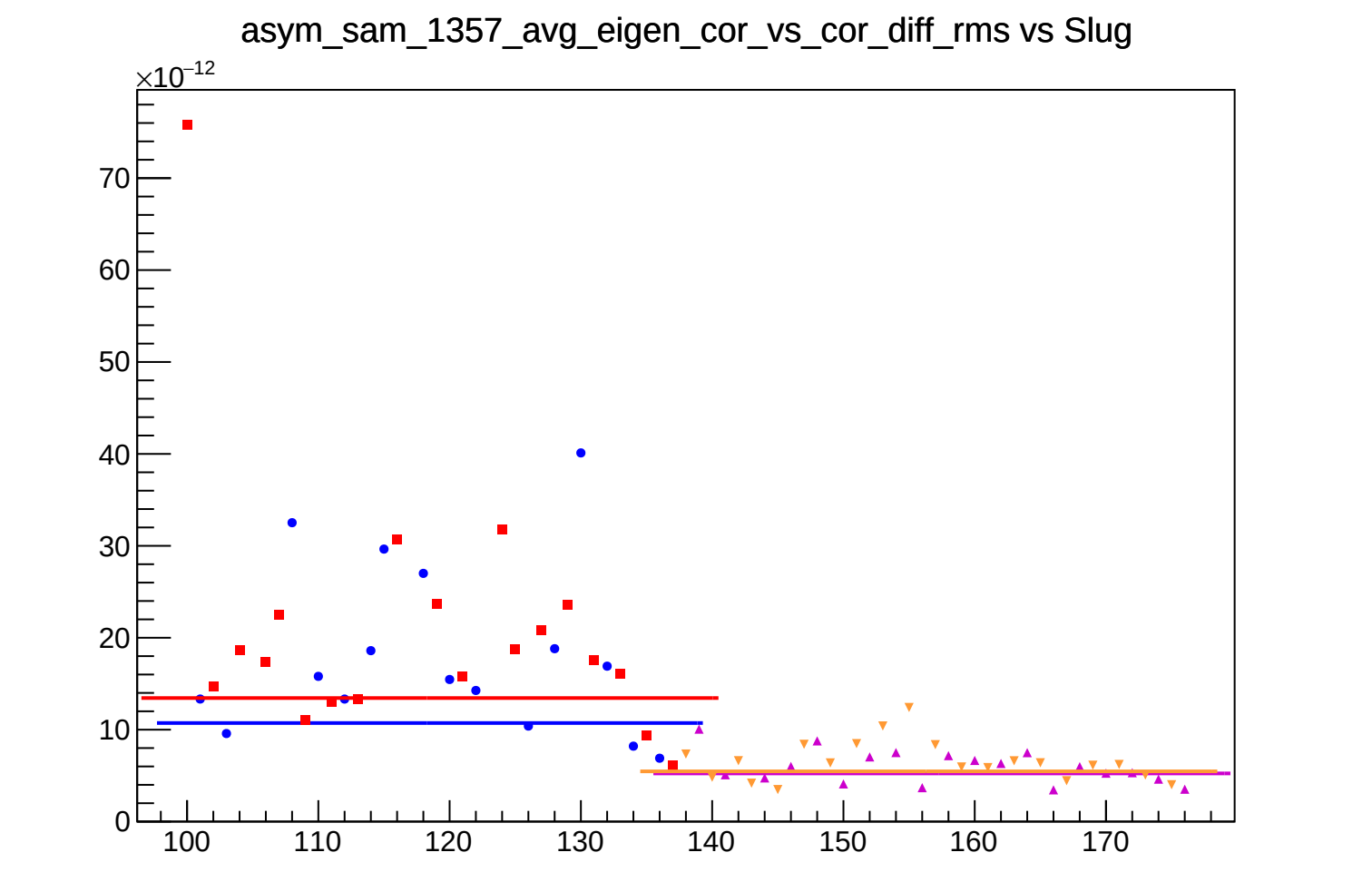
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 27.9/35

All: 0.000+/-0.000 χ^2/NDF: 69.8/73

- sign -0.000+/-0.000 χ^2/NDF: 39.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1882724.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

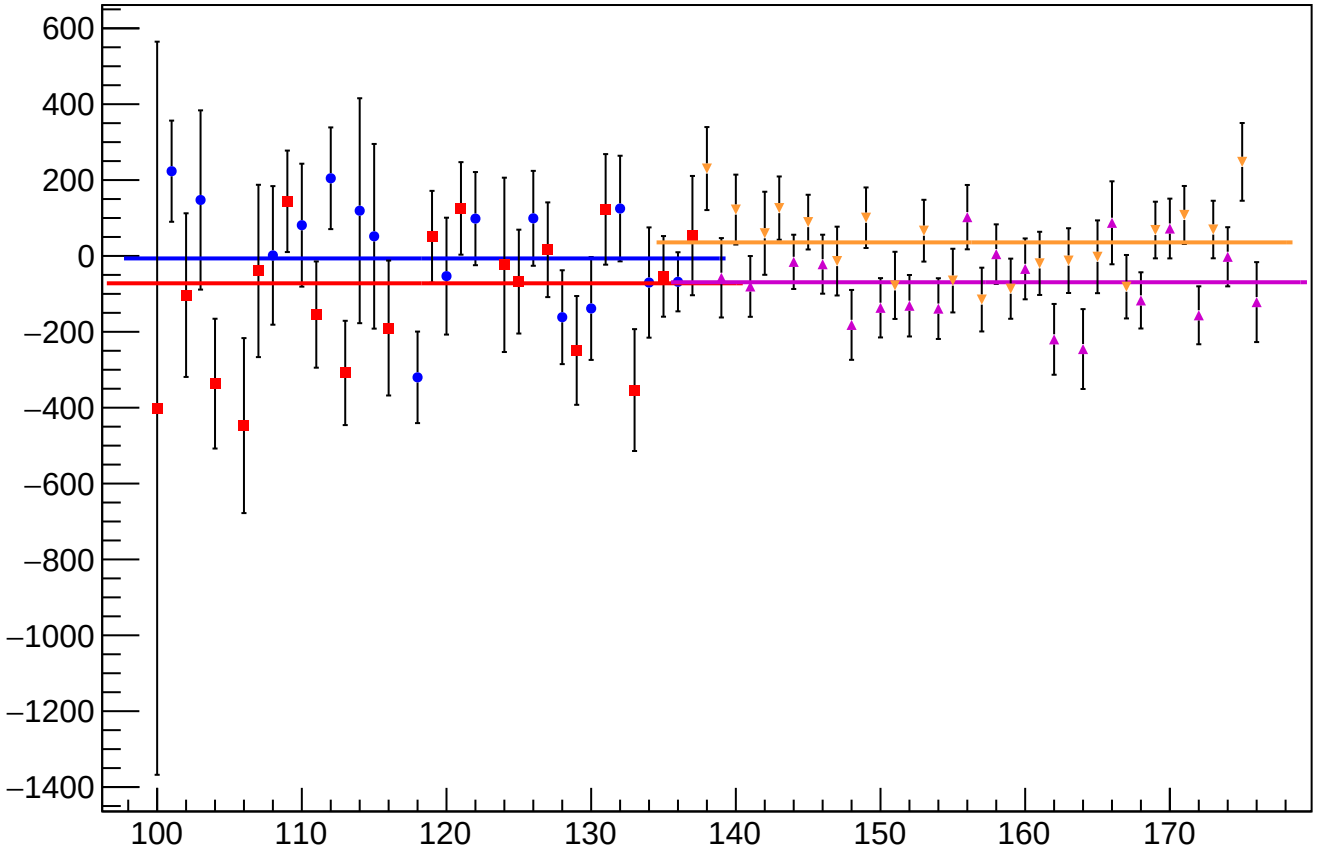
Left In: 0.000+/-0.000 χ^2/NDF:1486815.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 5324755.7/35

All: 0.000+/-0.000 χ^2/NDF: 11169924.9/73

- sign 0.000+/-0.000 χ^2/NDF: 5835386.4/37

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 35.710+/-18.988 χ^2/NDF:24.0/19

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

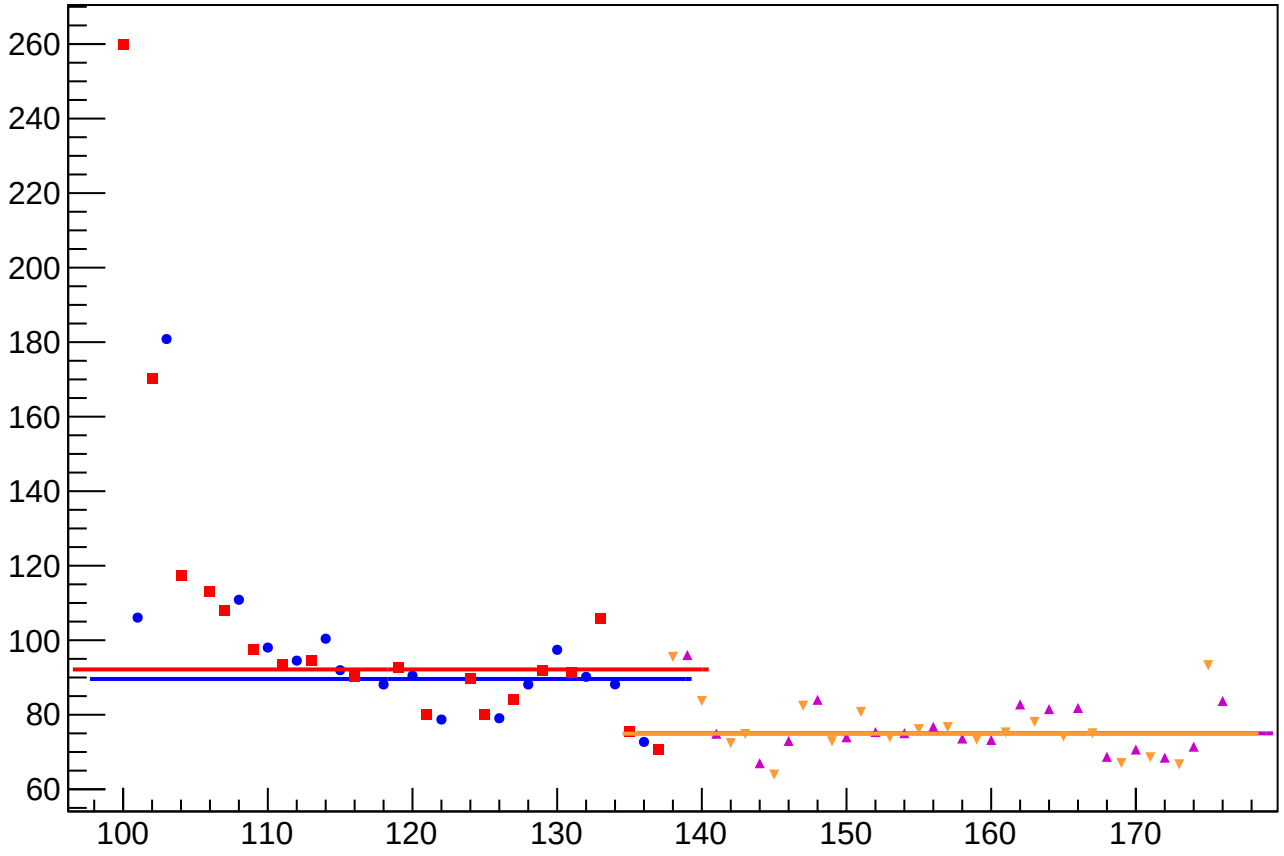
Left In: -69.331+/-19.199 χ^2/NDF:23.1/18

+ sign 25.789+/-16.611 χ^2/NDF: 44.1/35

All: -21.497+/-11.819 χ^2/NDF: 106.4/73

- sign -69.980+/-16.820 χ^2/NDF: 45.9/37

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 74.922+/-0.013 χ^2/NDF:289394.0/19

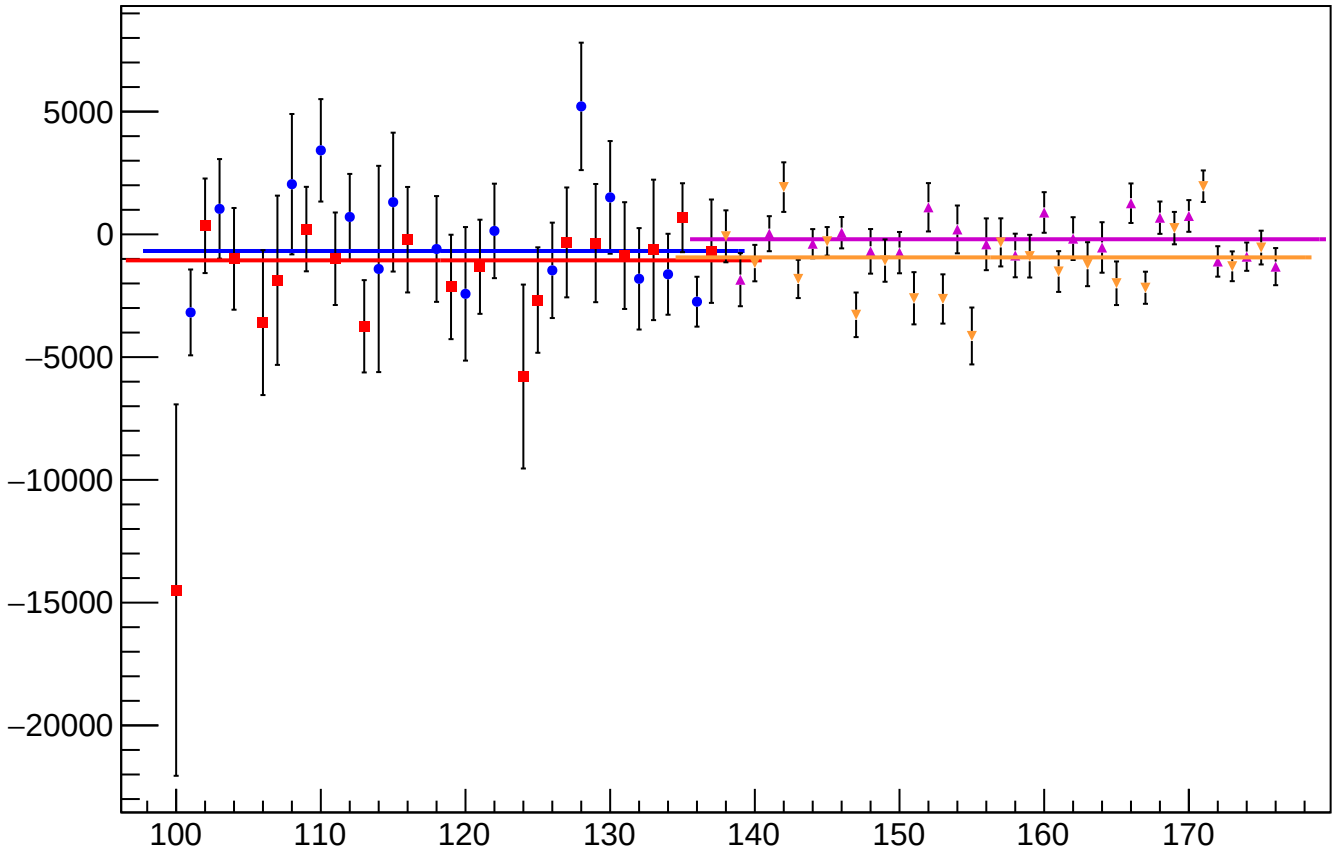
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.002+/-0.014 χ^2/NDF:211318.7/18

+ sign 78.368+/-0.012 χ^2/NDF: 1068414.7/35

All: 78.676+/-0.008 χ^2/NDF: 2194627.0/73

- sign 78.991+/-0.012 χ^2/NDF: 1124822.7/37



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -937.428+/-177.633 χ^2/NDF:61.2/19

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

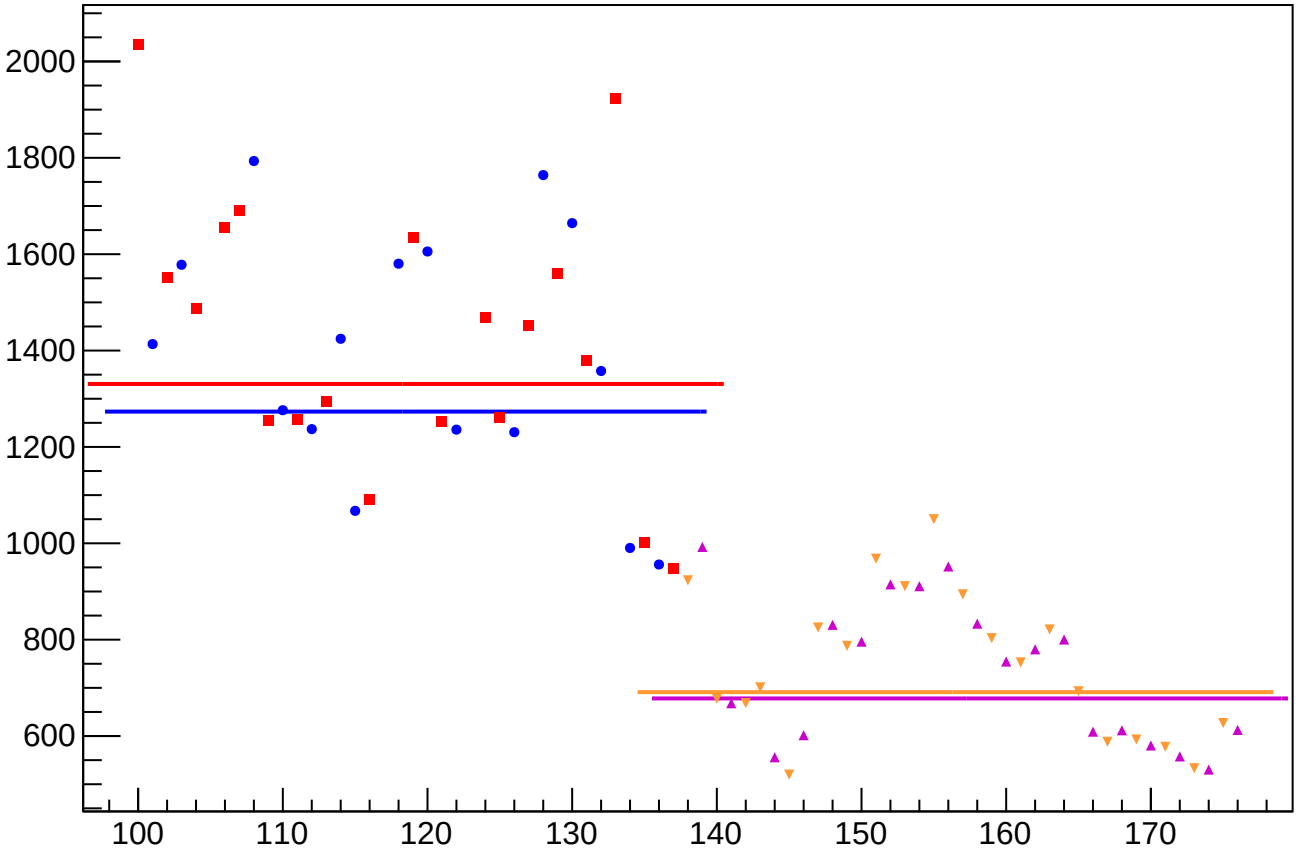
Left In: -198.901+/-175.945 χ^2/NDF:20.8/18

+ sign -906.835+/-166.857 χ^2/NDF: 81.7/35

All: -598.979+/-117.623 χ^2/NDF: 123.4/73

- sign -294.886+/-165.835 χ^2/NDF: 35.0/37

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 691.159+/-0.126 χ^2/NDF:1245112.9/19

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

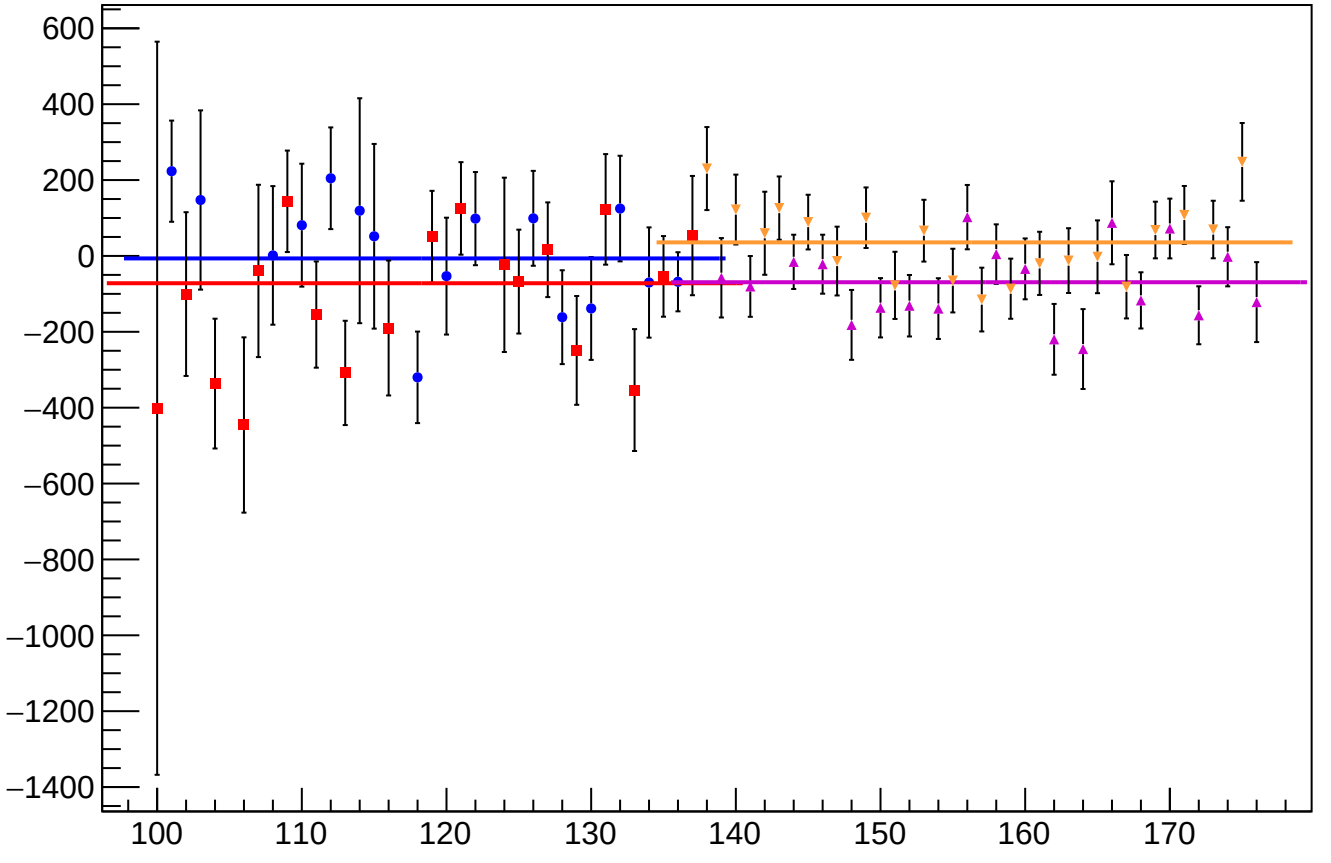
Left In: 678.035+/-0.124 χ^2/NDF:1178858.8/18

+ sign 759.646+/-0.118 χ^2/NDF: 4369820.0/35

All: 755.241+/-0.083 χ^2/NDF: 9094052.1/73

- sign 750.889+/-0.117 χ^2/NDF: 4721460.7/37

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 35.713+/-18.988 χ^2/NDF:24.0/19

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

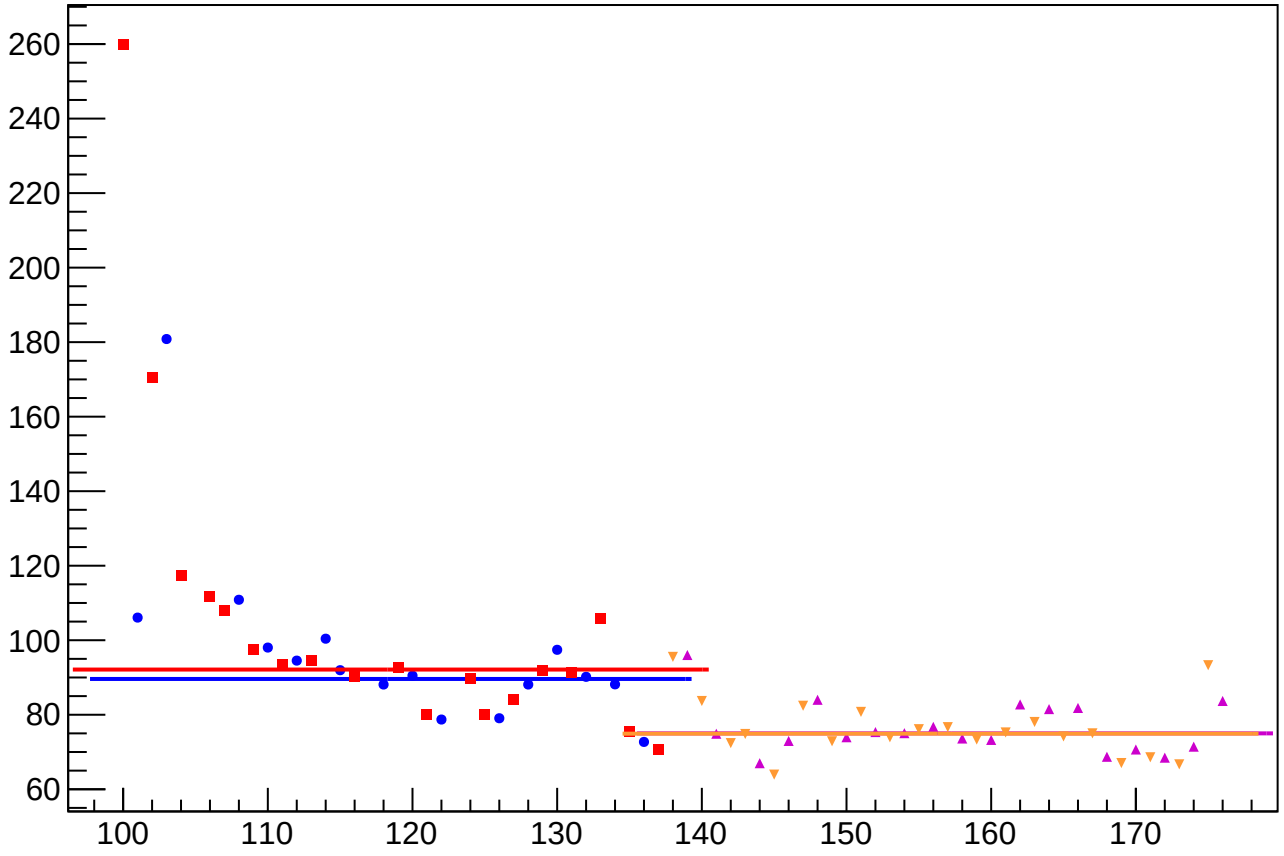
Left In: -69.331+/-19.199 χ^2/NDF:23.1/18

+ sign 25.789+/-16.611 χ^2/NDF: 44.1/35

All: -21.480+/-11.819 χ^2/NDF: 106.4/73

- sign -69.947+/-16.820 χ^2/NDF: 45.9/37

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.922+/-0.013 χ^2/NDF:289394.0/19

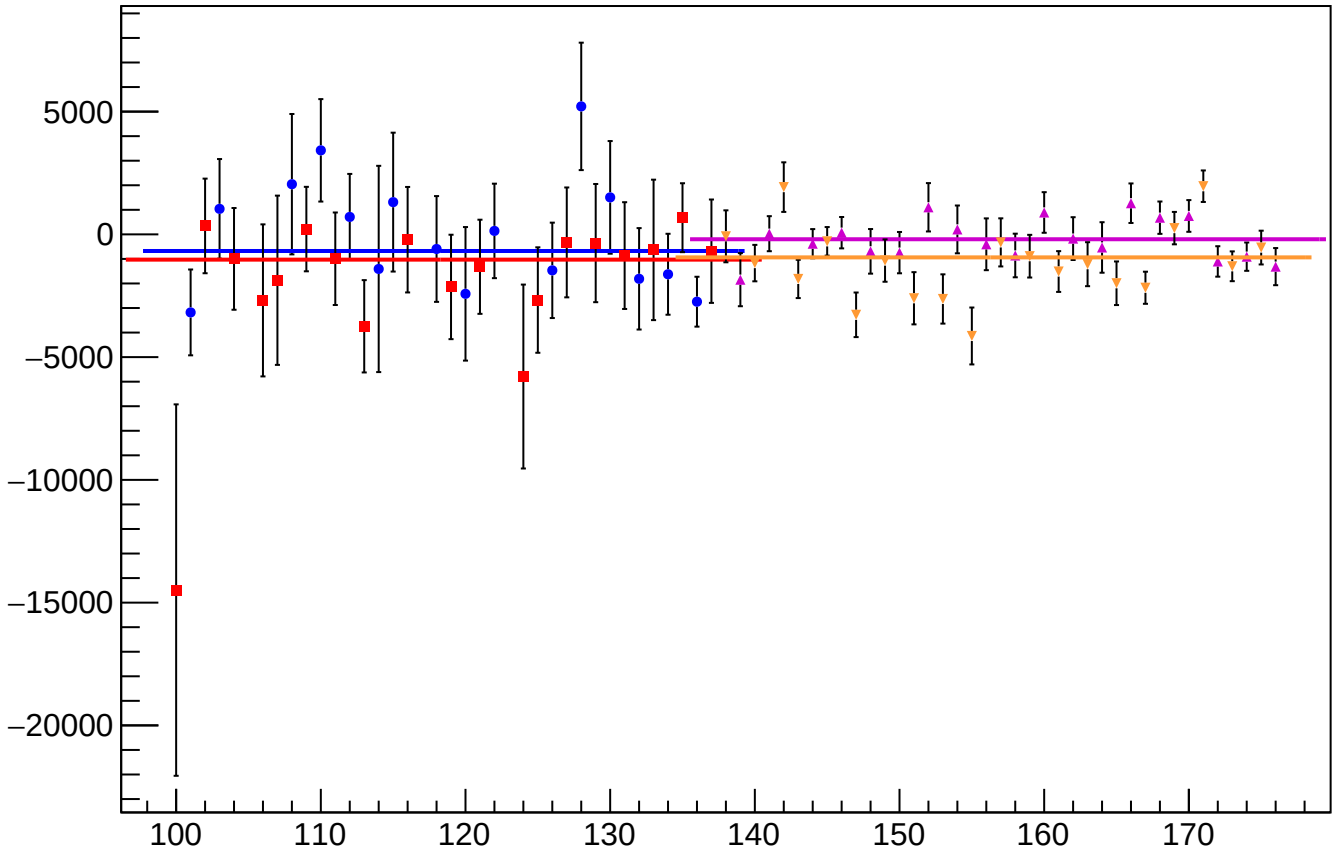
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.002+/-0.014 χ^2/NDF:211318.7/18

+ sign 78.368+/-0.012 χ^2/NDF: 1068418.2/35

All: 78.672+/-0.008 χ^2/NDF: 2191423.9/73

- sign 78.984+/-0.012 χ^2/NDF: 1121650.5/37



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -937.423+/-177.632 χ^2/NDF:61.2/19

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

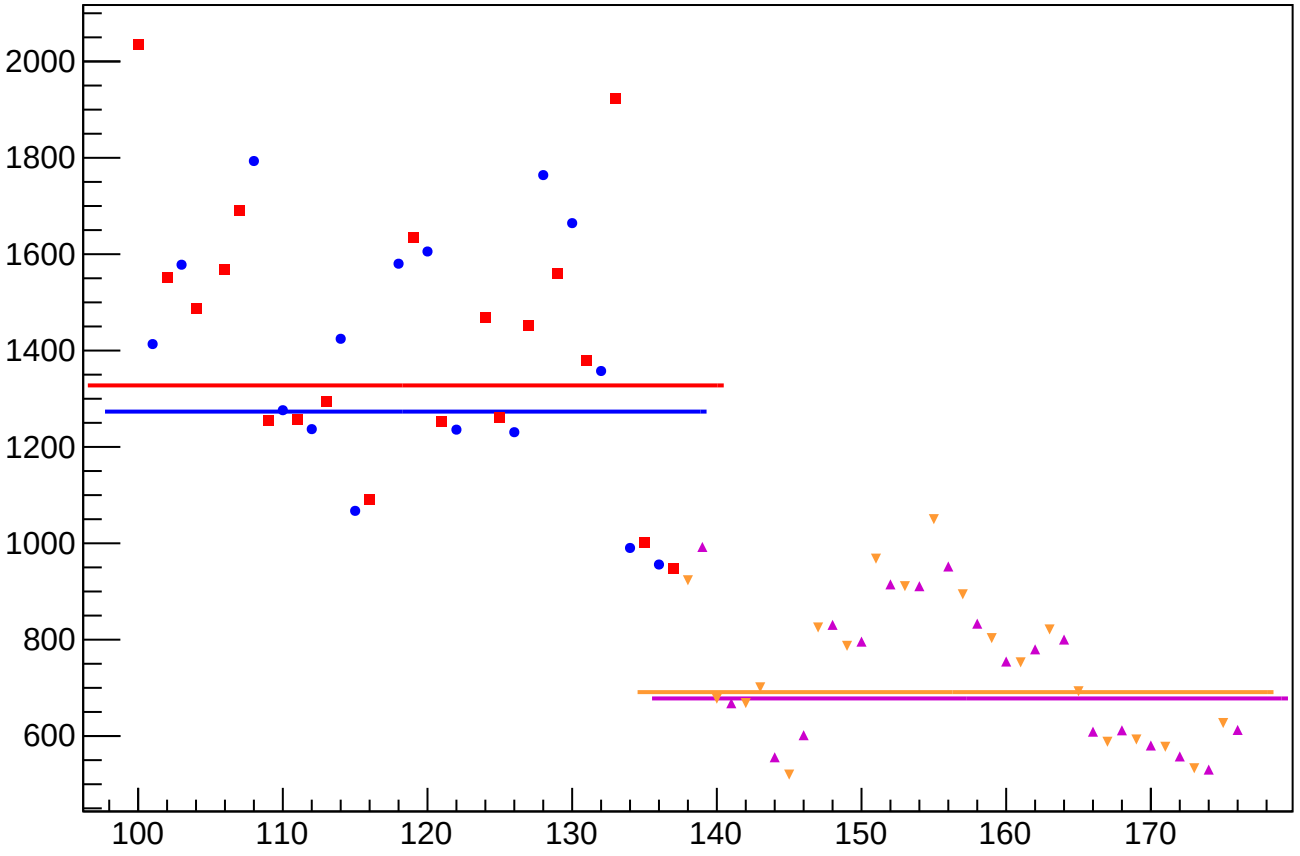
Left In: -198.903+/-175.945 χ^2/NDF:20.8/18

+ sign -906.828+/-166.857 χ^2/NDF: 81.7/35

All: -597.262+/-117.632 χ^2/NDF: 122.9/73

- sign -291.388+/-165.859 χ^2/NDF: 34.3/37

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 691.159+/-0.126 χ^2/NDF:1245116.5/19

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

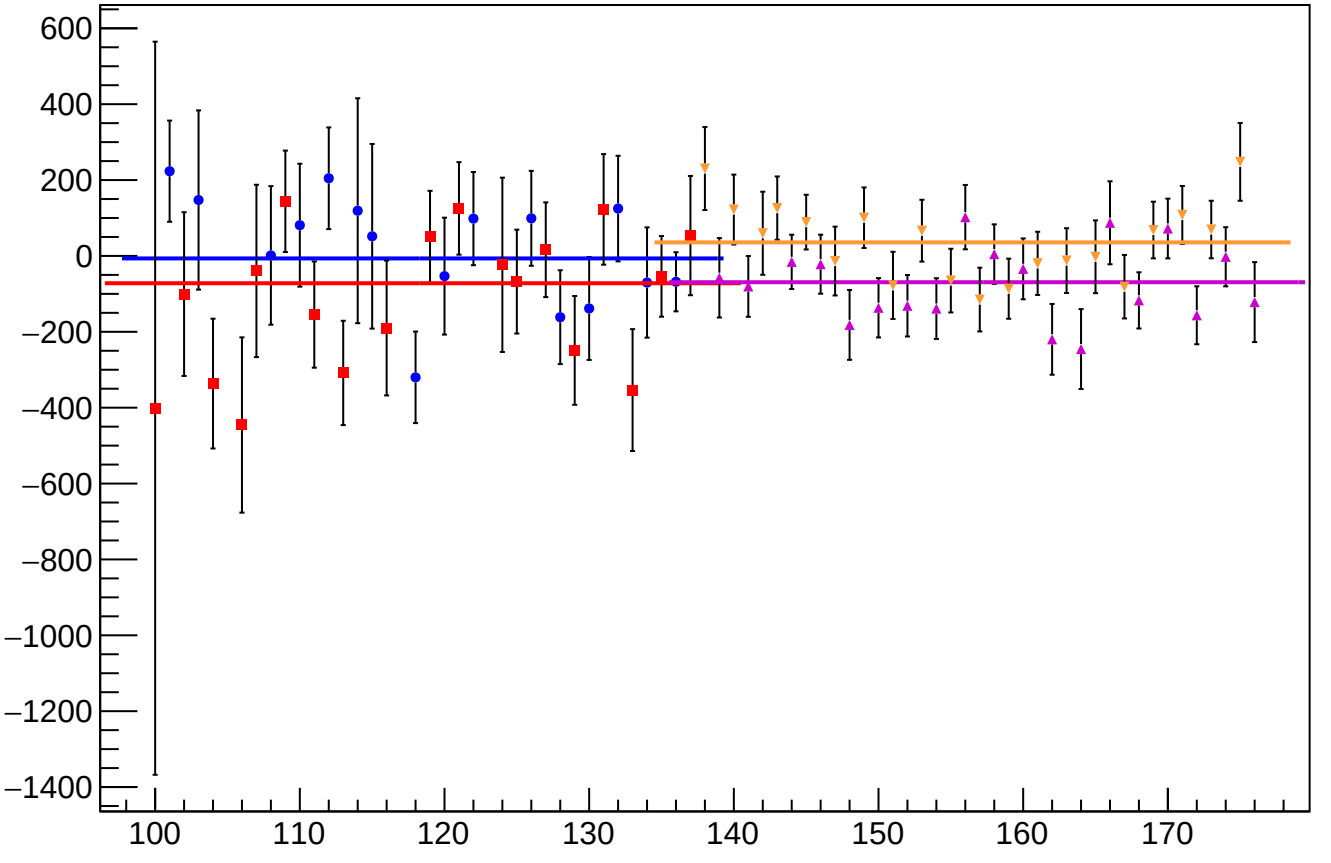
Left In: 678.035+/-0.124 χ^2/NDF:1178856.8/18

+ sign 759.646+/-0.118 χ^2/NDF: 4369866.5/35

All: 754.984+/-0.083 χ^2/NDF: 9046557.0/73

- sign 750.379+/-0.117 χ^2/NDF: 4673587.6/37

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 35.713+/-18.988 χ^2/NDF:24.0/19

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

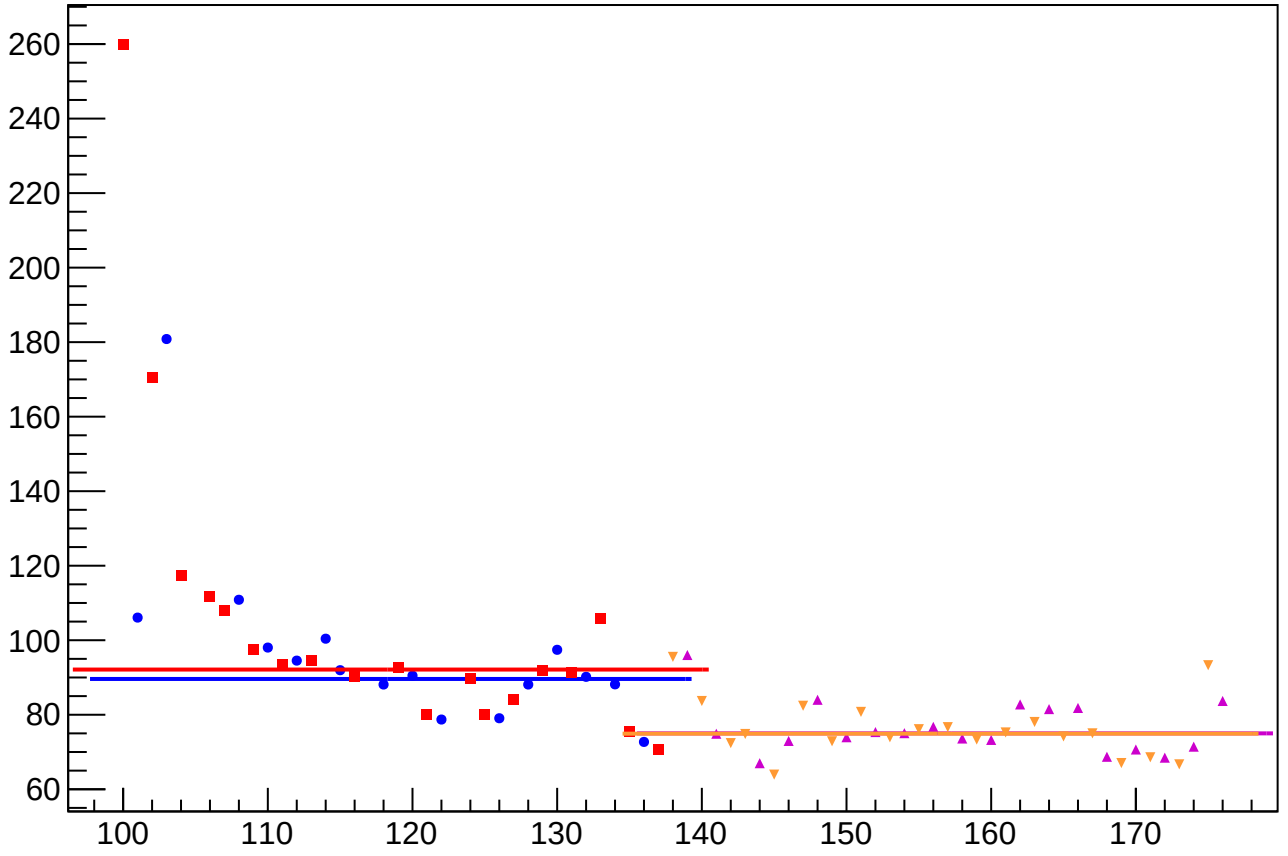
Left In: -69.331+/-19.199 χ^2/NDF:23.1/18

+ sign 25.789+/-16.611 χ^2/NDF: 44.1/35

All: -21.480+/-11.819 χ^2/NDF: 106.4/73

- sign -69.947+/-16.820 χ^2/NDF: 45.9/37

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.922+/-0.013 χ^2/NDF:289394.0/19

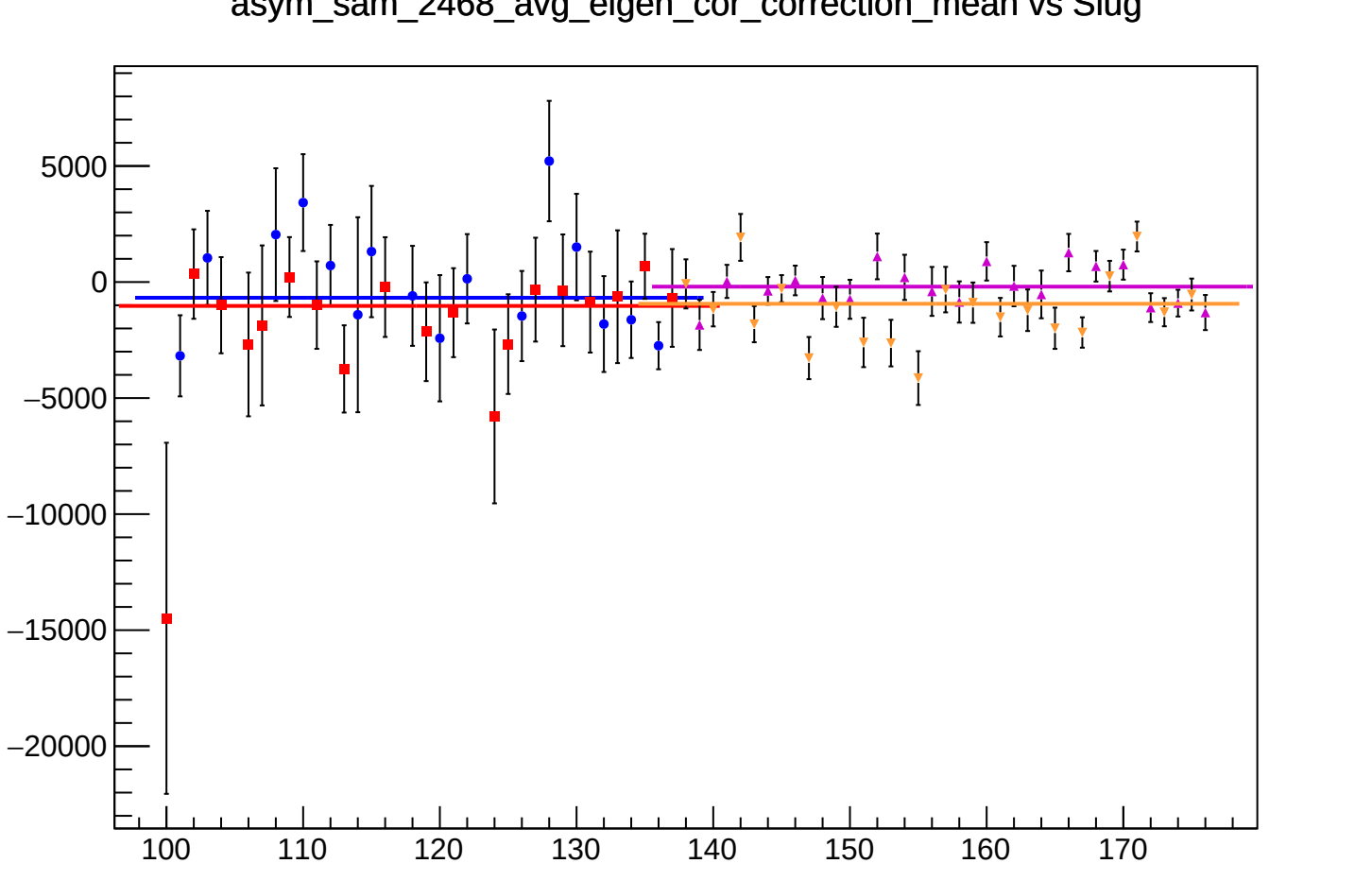
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.002+/-0.014 χ^2/NDF:211318.7/18

+ sign 78.368+/-0.012 χ^2/NDF: 1068418.2/35

All: 78.672+/-0.008 χ^2/NDF: 2191423.9/73

- sign 78.984+/-0.012 χ^2/NDF: 1121650.5/37



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -937.423+/-177.632 χ^2/NDF:61.2/19

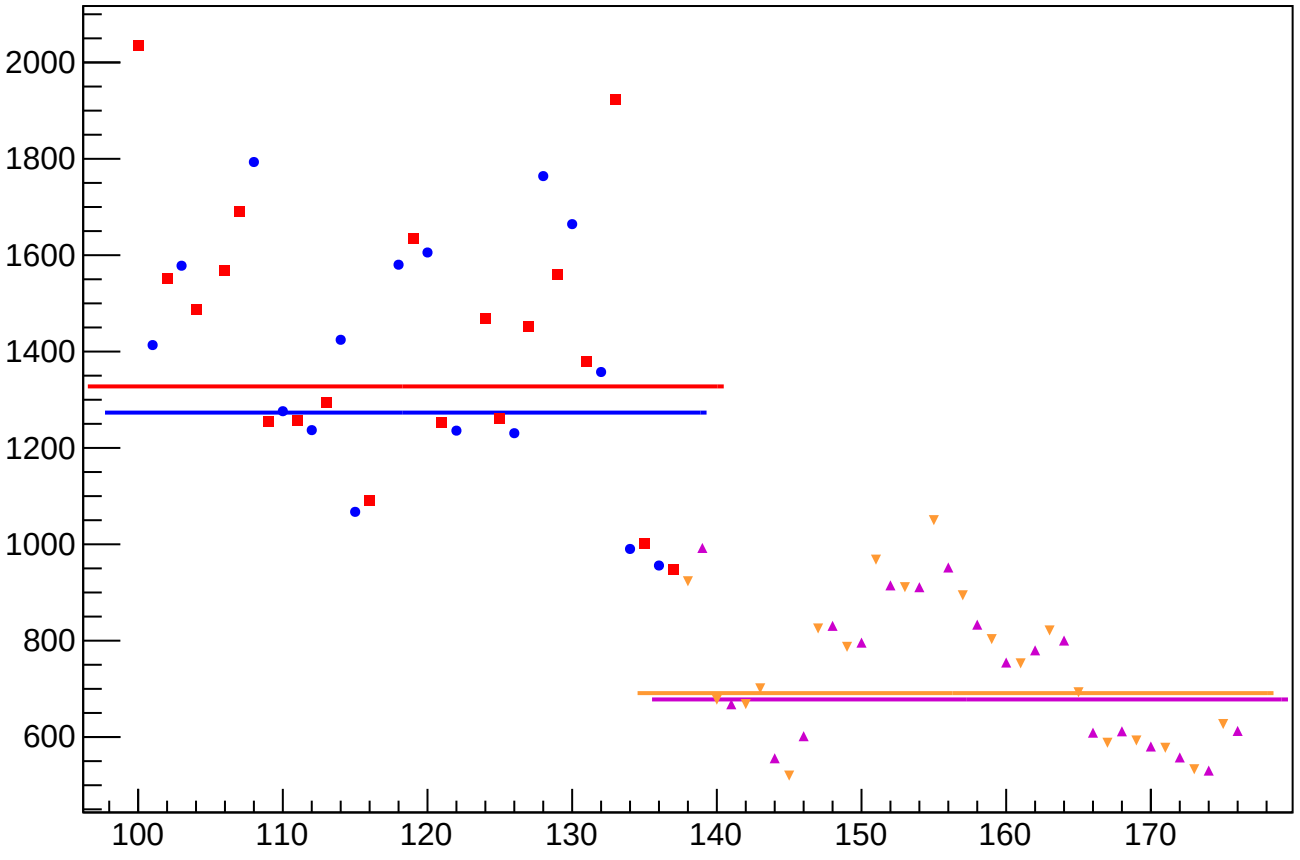
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -198.903+/-175.945 χ^2/NDF:20.8/18

+ sign -906.828+/-166.857 χ^2/NDF: 81.7/35

All: -597.262+/-117.632 χ^2/NDF: 122.9/73

- sign -291.388+/-165.859 χ^2/NDF: 34.3/37



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 691.159+/-0.126 χ^2/NDF:1245116.5/19

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

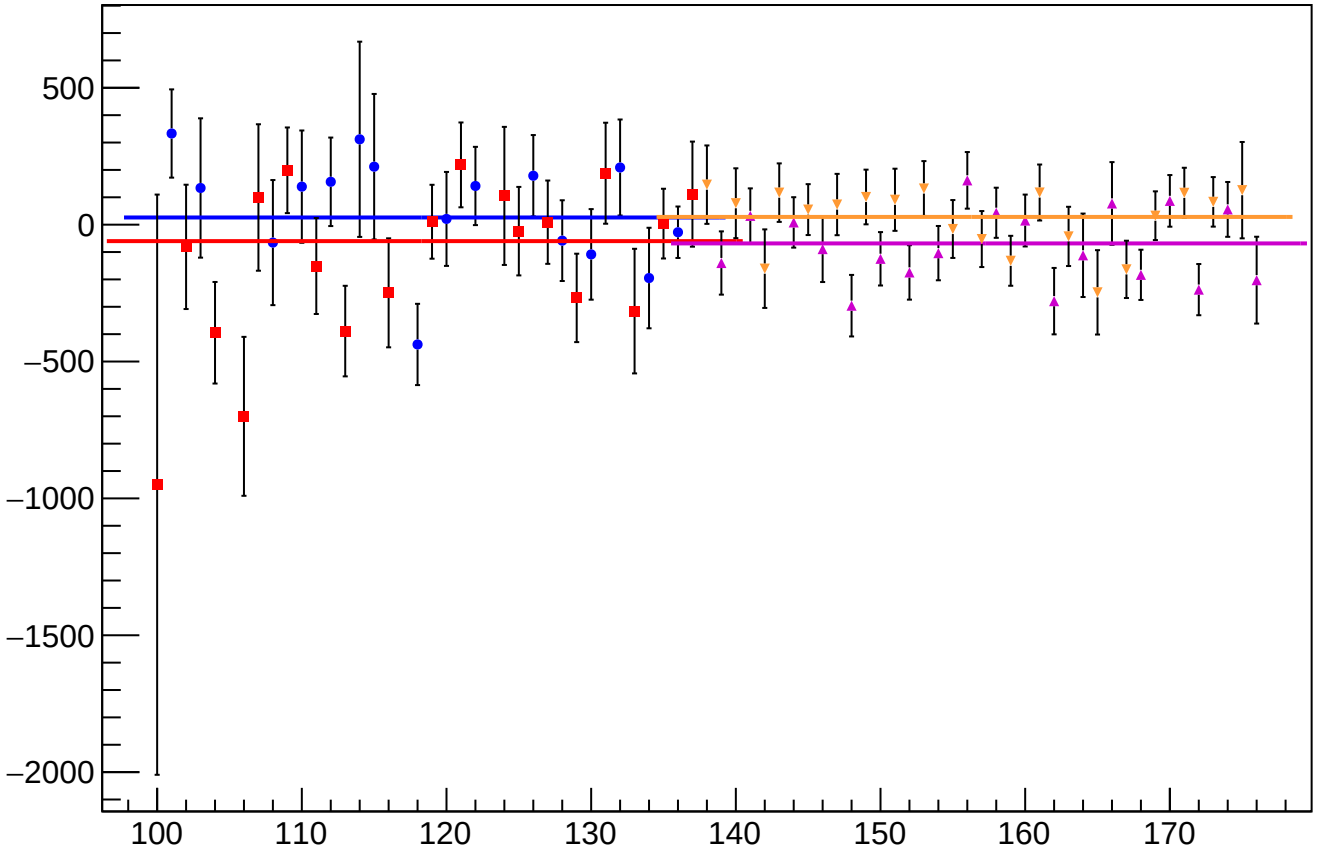
Left In: 678.035+/-0.124 χ^2/NDF:1178856.8/18

\+ sign 759.646+/-0.118 χ^2/NDF: 4369866.5/35

All: 754.984+/-0.083 χ^2/NDF: 9046557.0/73

\- sign 750.379+/-0.117 χ^2/NDF: 4673587.6/37

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 28.291+/-23.981 χ^2/NDF:18.6/19

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

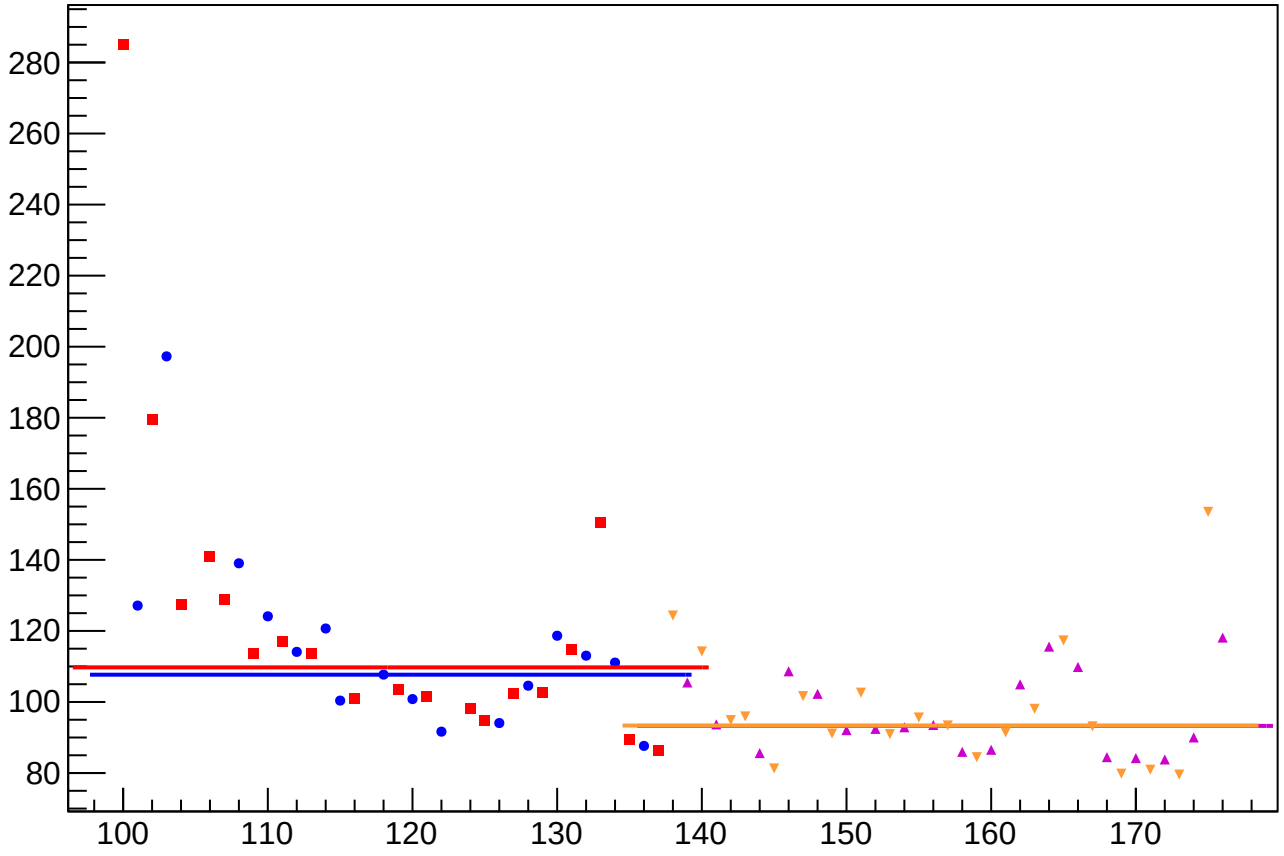
Left In: -68.505+/-24.169 χ^2/NDF:28.9/18

+ sign 27.775+/-20.728 χ^2/NDF: 40.0/35

All: -18.940+/-14.714 χ^2/NDF: 106.1/73

- sign -66.384+/-20.889 χ^2/NDF: 55.9/37

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 93.370+/-0.017 χ^2/NDF:644626.7/19

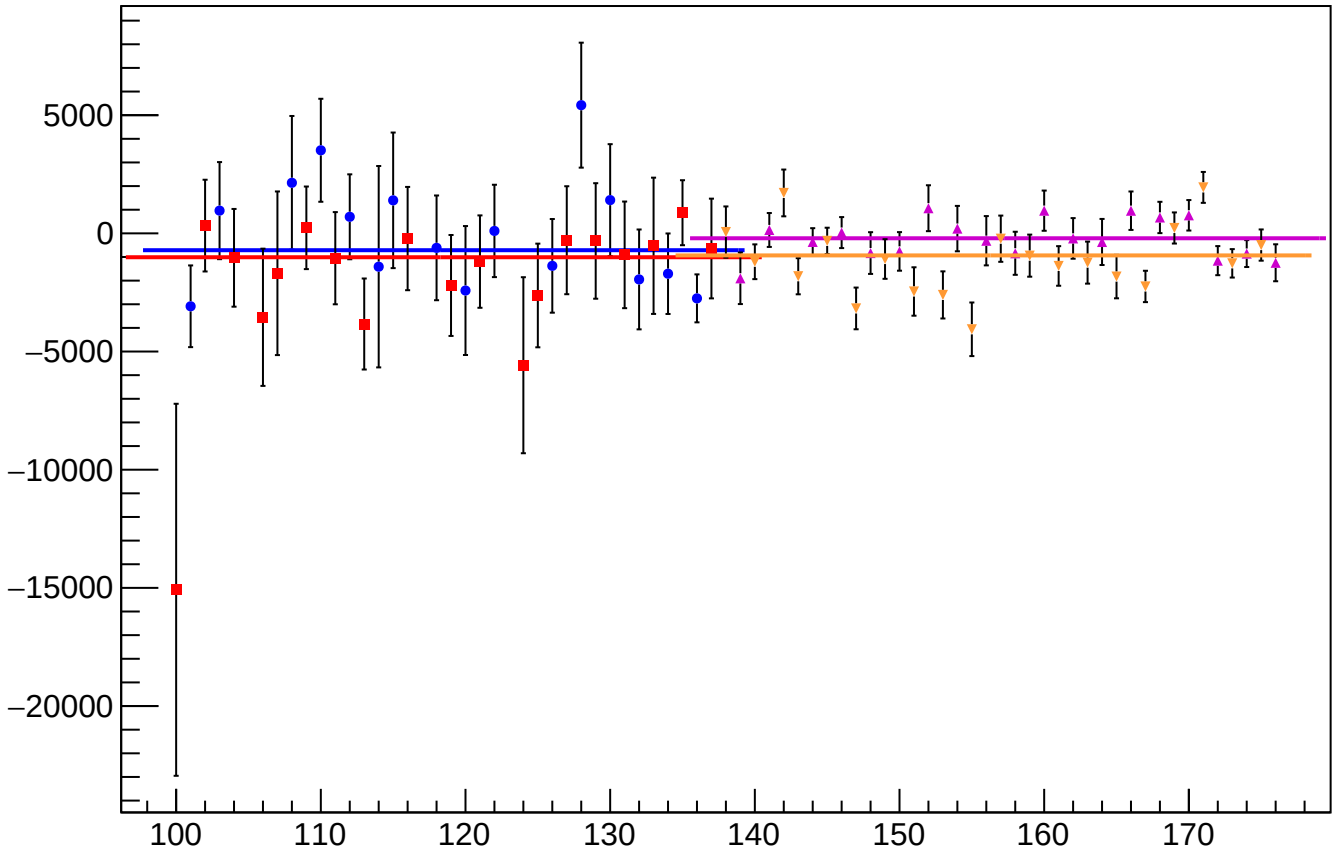
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 93.268+/-0.017 χ^2/NDF:299055.2/18

+ sign 96.988+/-0.015 χ^2/NDF: 1307843.8/35

All: 97.210+/-0.010 χ^2/NDF: 2334175.2/73

- sign 97.436+/-0.015 χ^2/NDF: 1025869.8/37



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -933.168+/-176.069 χ^2/NDF:58.8/19

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

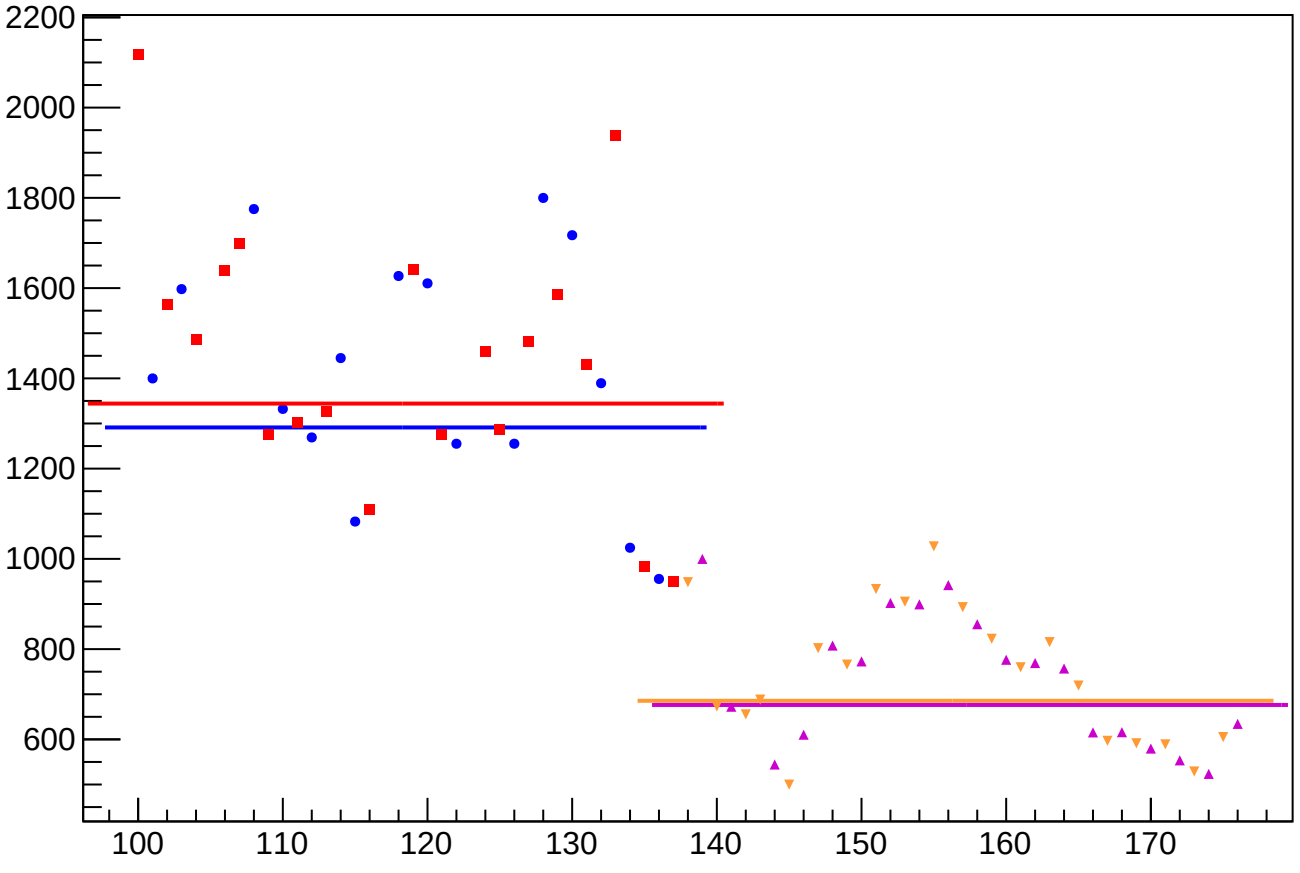
Left In: -207.772+/-175.482 χ^2/NDF:19.6/18

+ sign -908.272+/-165.822 χ^2/NDF: 79.1/35

All: -601.474+/-117.186 χ^2/NDF: 119.6/73

- sign -295.382+/-165.630 χ^2/NDF: 33.7/37

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 685.564+/-0.124 χ^2/NDF:1276854.1/19

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

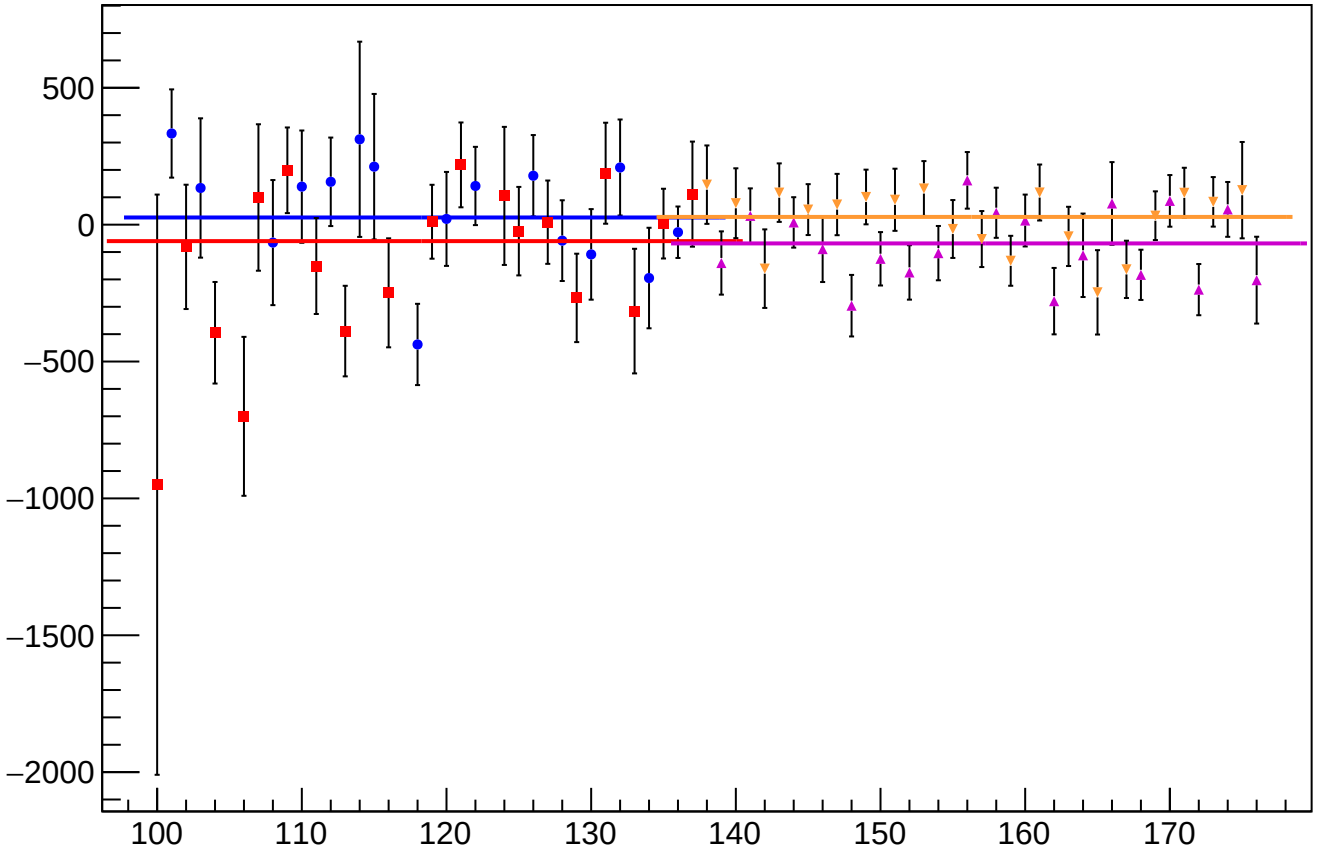
Left In: 676.272+/-0.124 χ^2/NDF:1162193.2/18

+ sign 754.014+/-0.117 χ^2/NDF: 4562371.7/35

All: 751.582+/-0.083 χ^2/NDF: 9377738.8/73

- sign 749.156+/-0.117 χ^2/NDF: 4814507.7/37

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 28.291+/-23.981 χ^2/NDF:18.6/19

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

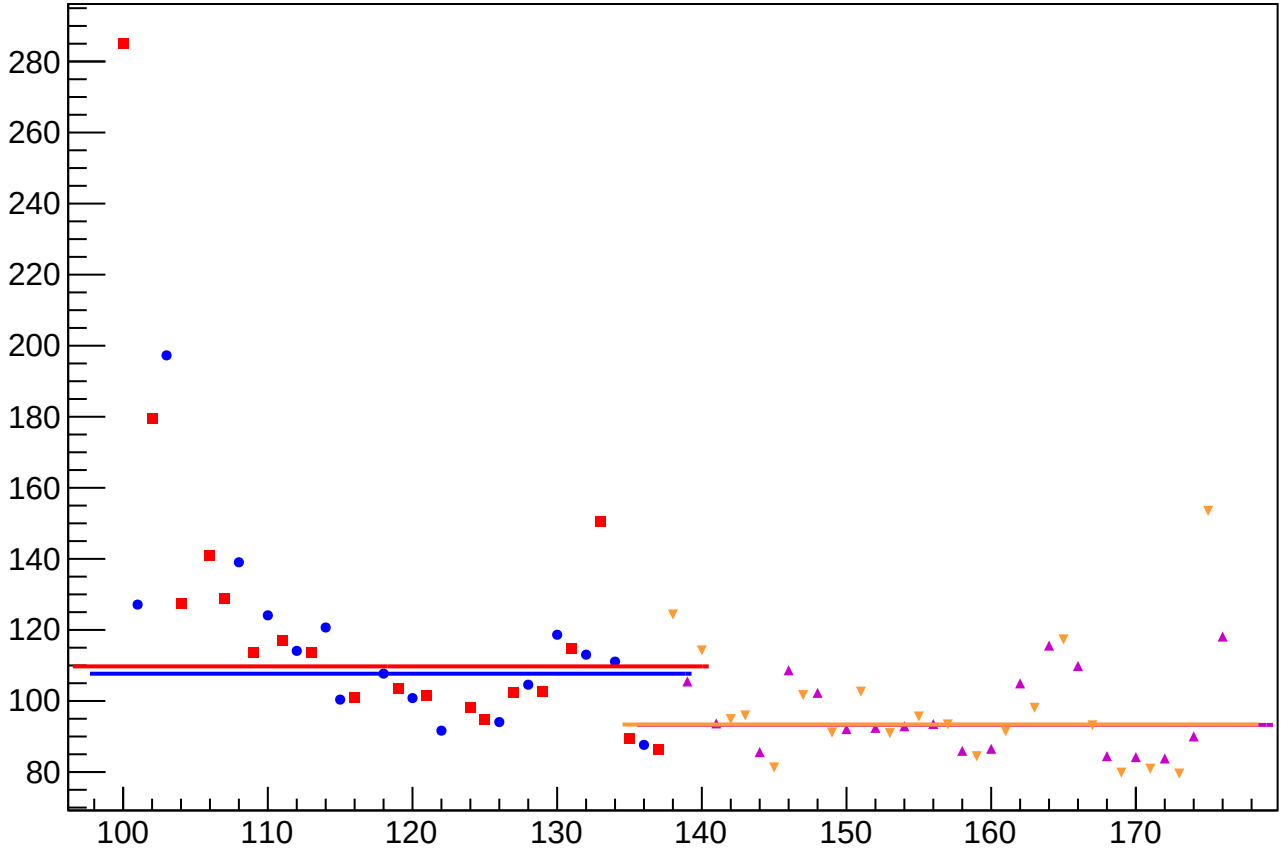
Left In: -68.504+/-24.169 χ^2/NDF:28.9/18

+ sign 27.776+/-20.728 χ^2/NDF: 40.0/35

All: -18.939+/-14.714 χ^2/NDF: 106.1/73

- sign -66.382+/-20.889 χ^2/NDF: 55.9/37

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 93.370+/-0.017 χ^2/NDF:644621.1/19

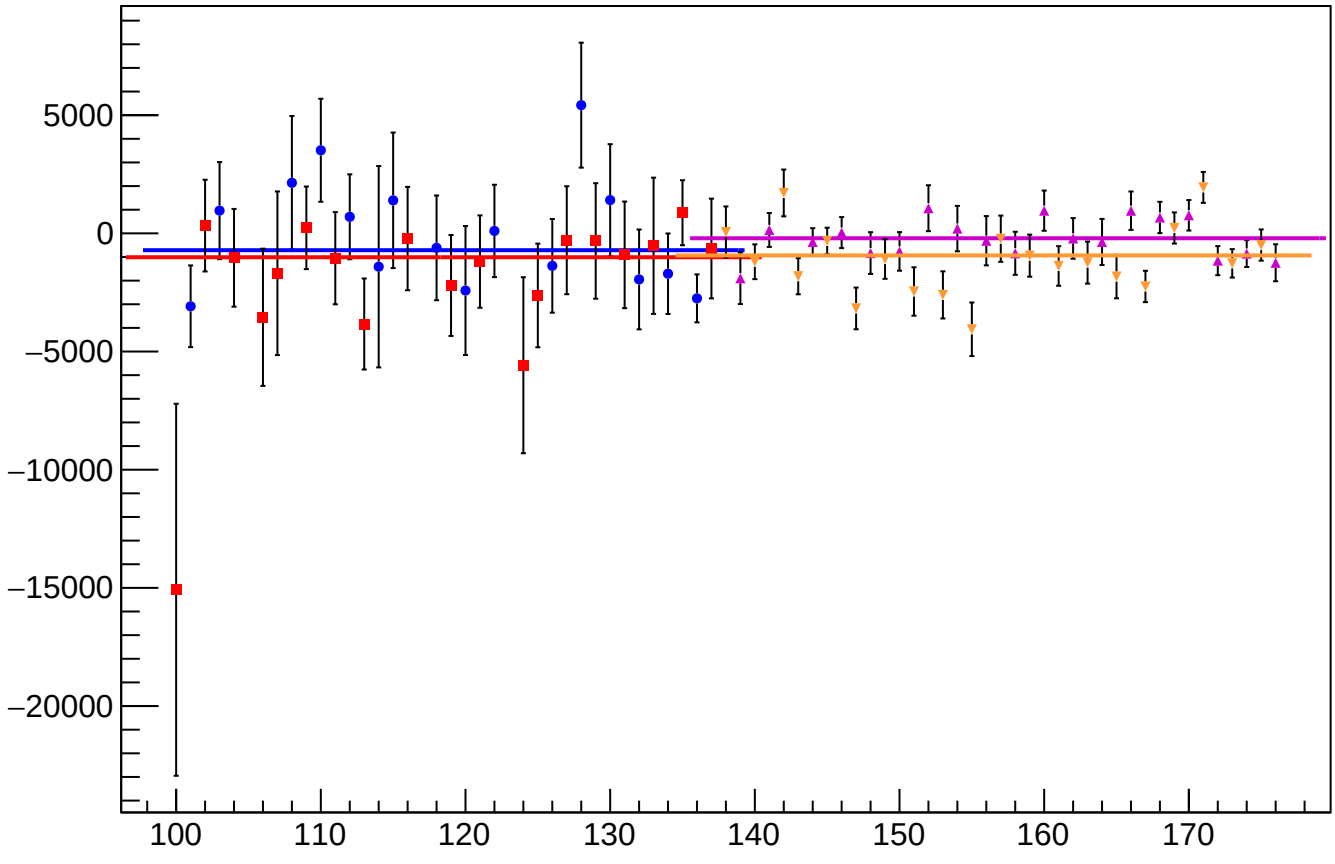
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 93.268+/-0.017 χ^2/NDF:299056.0/18

+ sign 96.989+/-0.015 χ^2/NDF: 1307800.1/35

All: 97.210+/-0.010 χ^2/NDF: 2334104.5/73

- sign 97.436+/-0.015 χ^2/NDF: 1025842.7/37



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -933.166+/-176.069 χ^2/NDF:58.8/19

Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

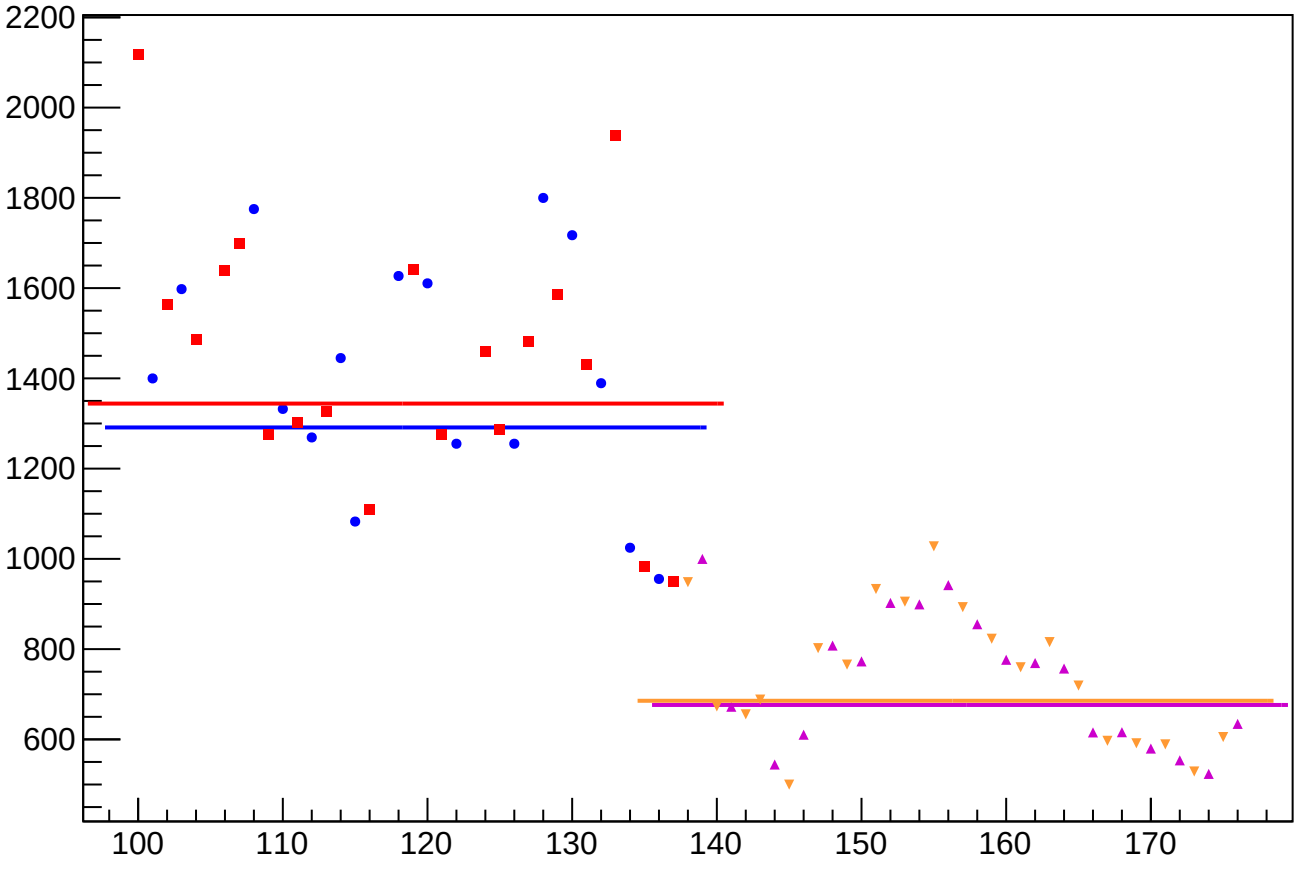
Left In: -207.770+/-175.482 χ^2/NDF:19.6/18

+ sign -908.270+/-165.821 χ^2/NDF: 79.1/35

All: -601.472+/-117.186 χ^2/NDF: 119.6/73

- sign -295.381+/-165.630 χ^2/NDF: 33.7/37

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 685.563+/-0.124 χ^2/NDF:1276861.2/19

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

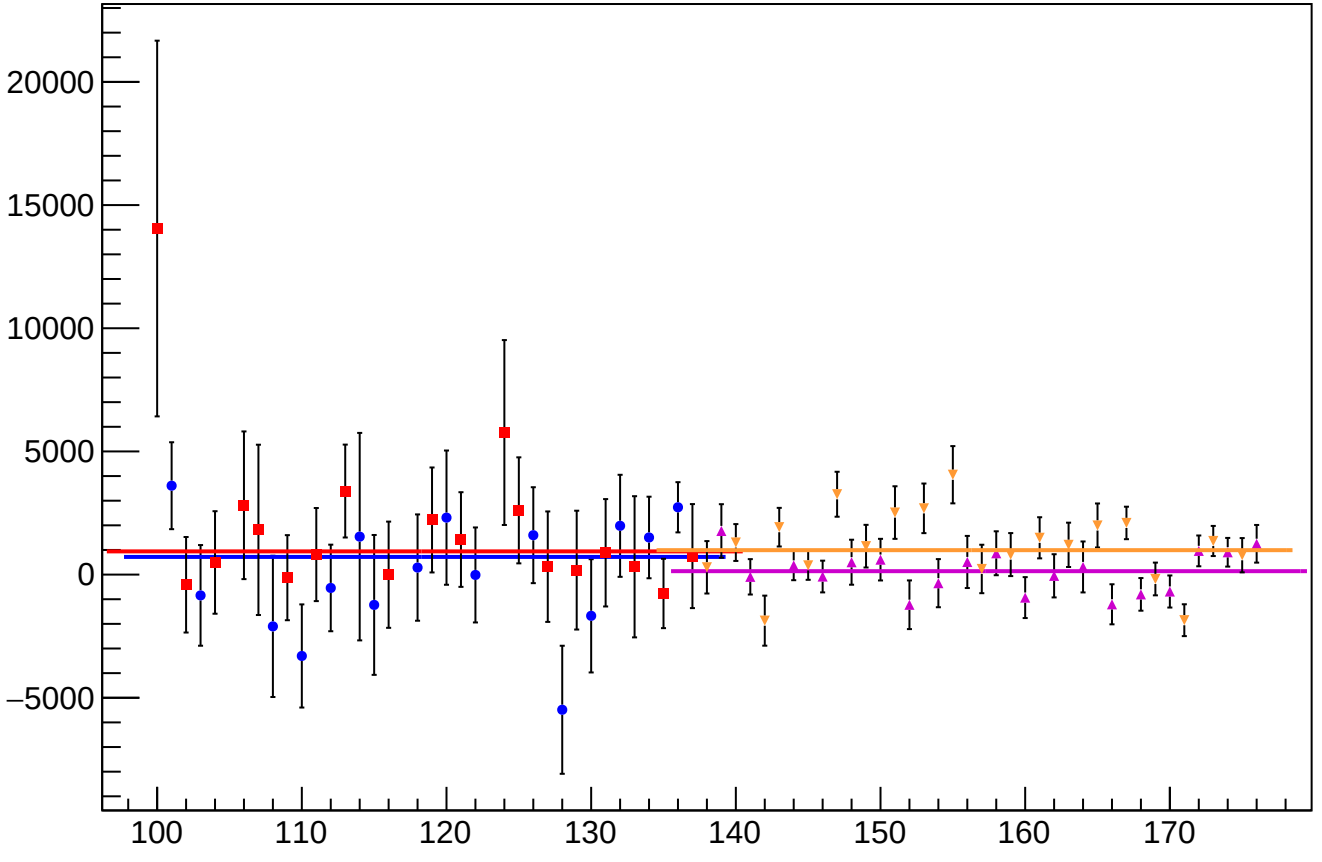
Left In: 676.270+/-0.124 χ^2/NDF:1162197.0/18

+ sign 754.012+/-0.117 χ^2/NDF: 4562375.4/35

All: 751.580+/-0.083 χ^2/NDF: 9377743.7/73

- sign 749.154+/-0.117 χ^2/NDF: 4814509.0/37

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 991.847+/-178.792 χ^2/NDF:57.1/19

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

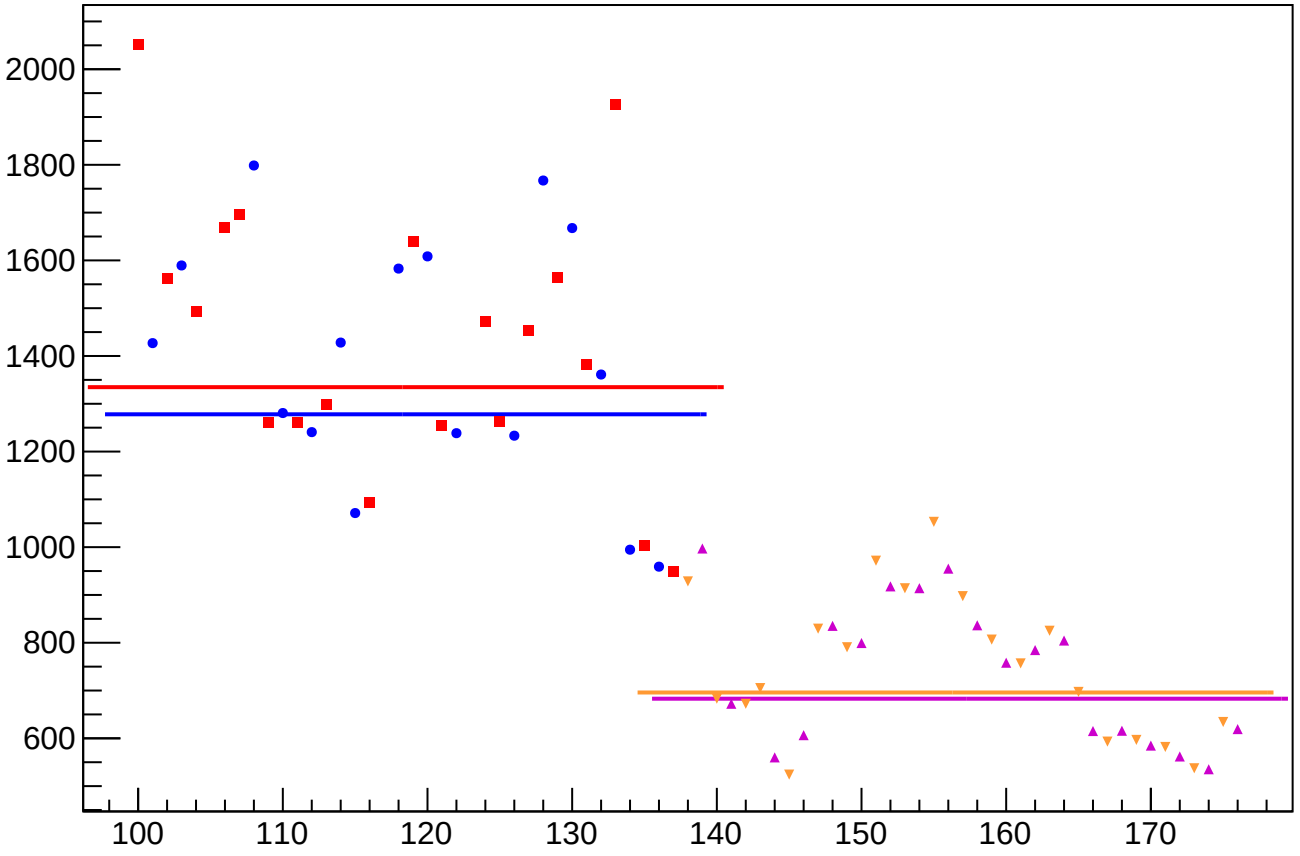
Left In: 139.246+/-177.148 χ^2/NDF:19.7/18

\+ sign 959.420+/-167.889 χ^2/NDF: 78.4/35

All: 592.278+/-118.366 χ^2/NDF: 120.5/73

\- sign 229.431+/-166.904 χ^2/NDF: 32.6/37

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 695.905+/-0.126 χ^2/NDF:1225590.7/19

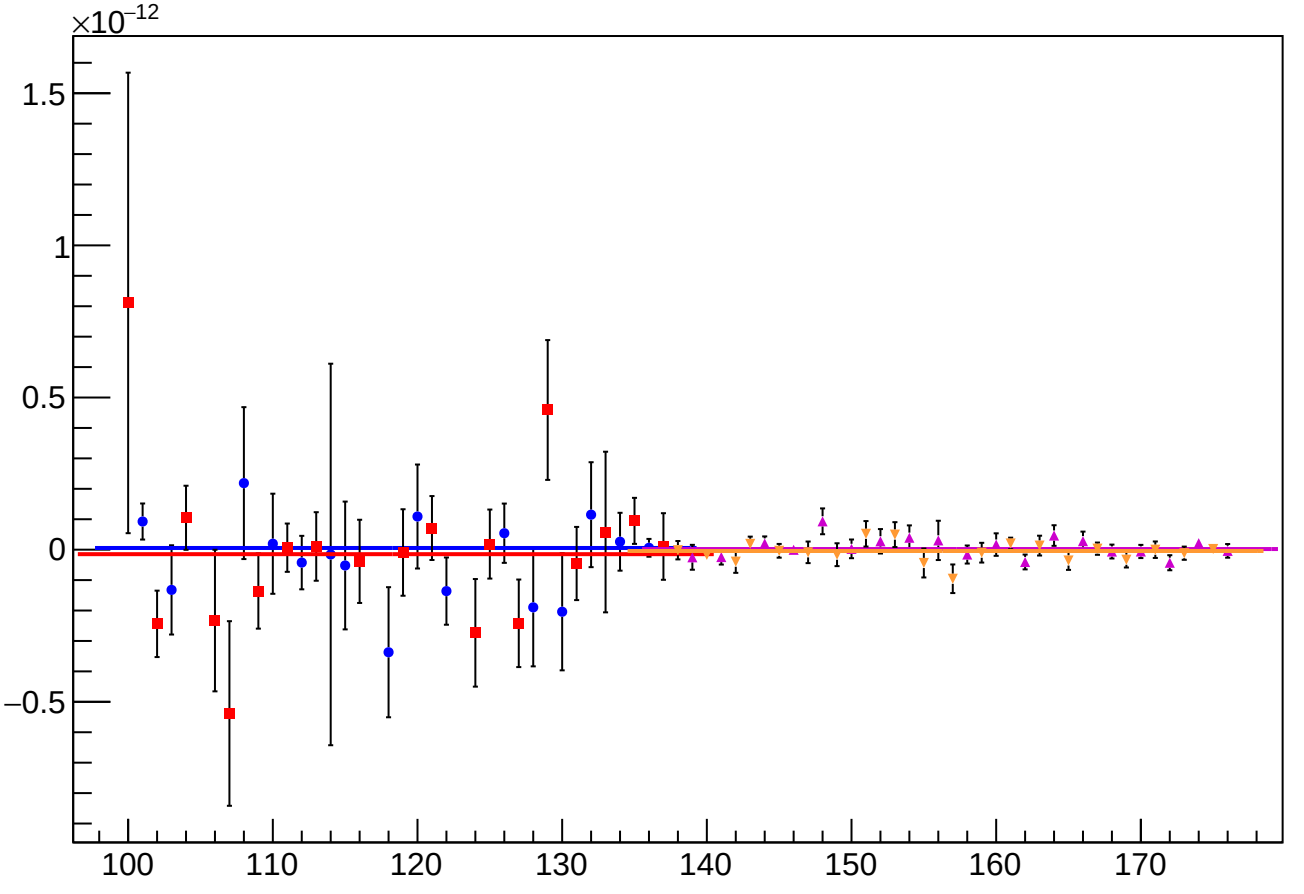
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 682.906+/-0.125 χ^2/NDF:1158653.6/18

+ sign 764.732+/-0.119 χ^2/NDF: 4329772.7/35

All: 760.396+/-0.084 χ^2/NDF: 9004336.3/73

- sign 756.112+/-0.118 χ^2/NDF: 4671911.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.5/19

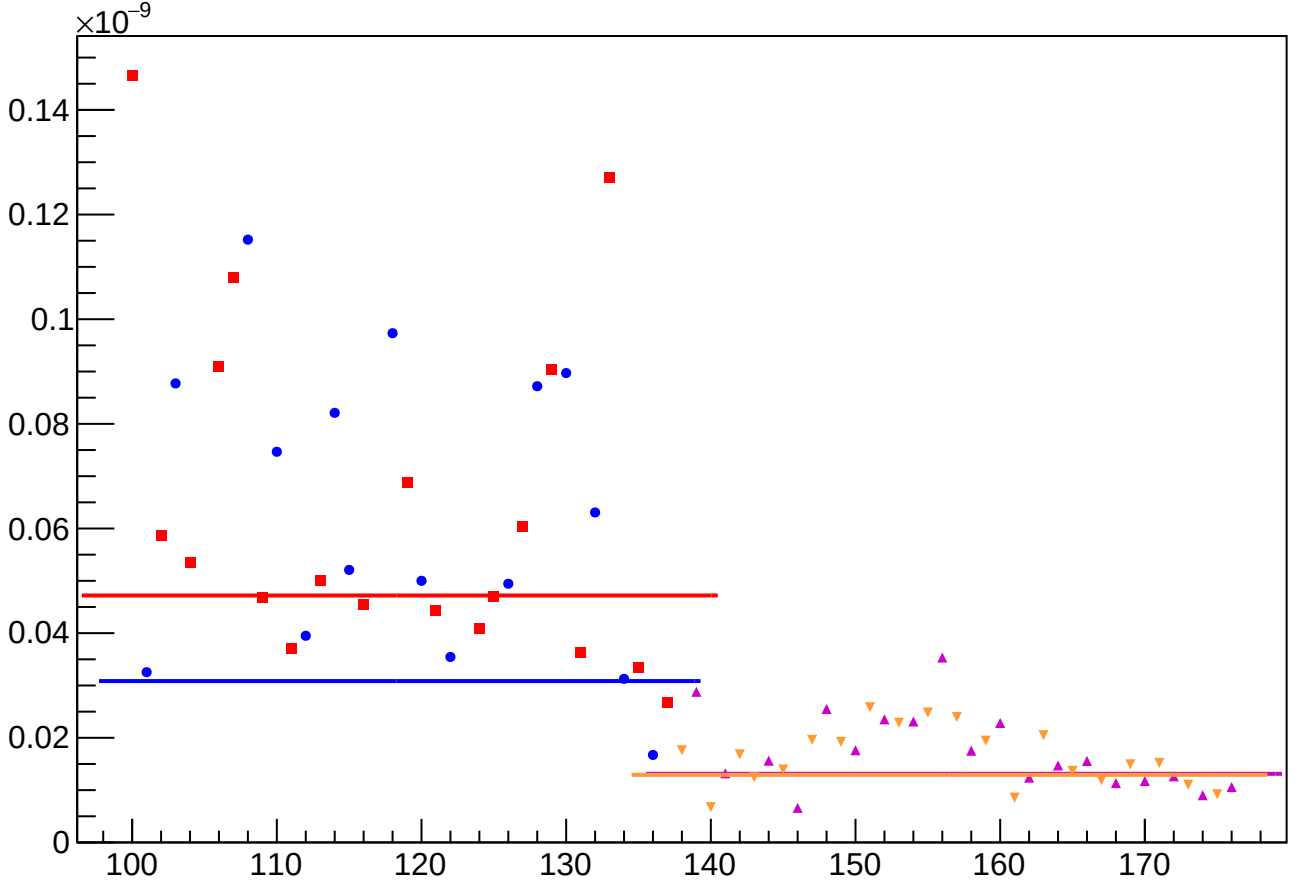
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:19.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 27.3/35

All: -0.000+/-0.000 χ^2/NDF: 71.1/73

- sign 0.000+/-0.000 χ^2/NDF: 43.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1549579.3/19

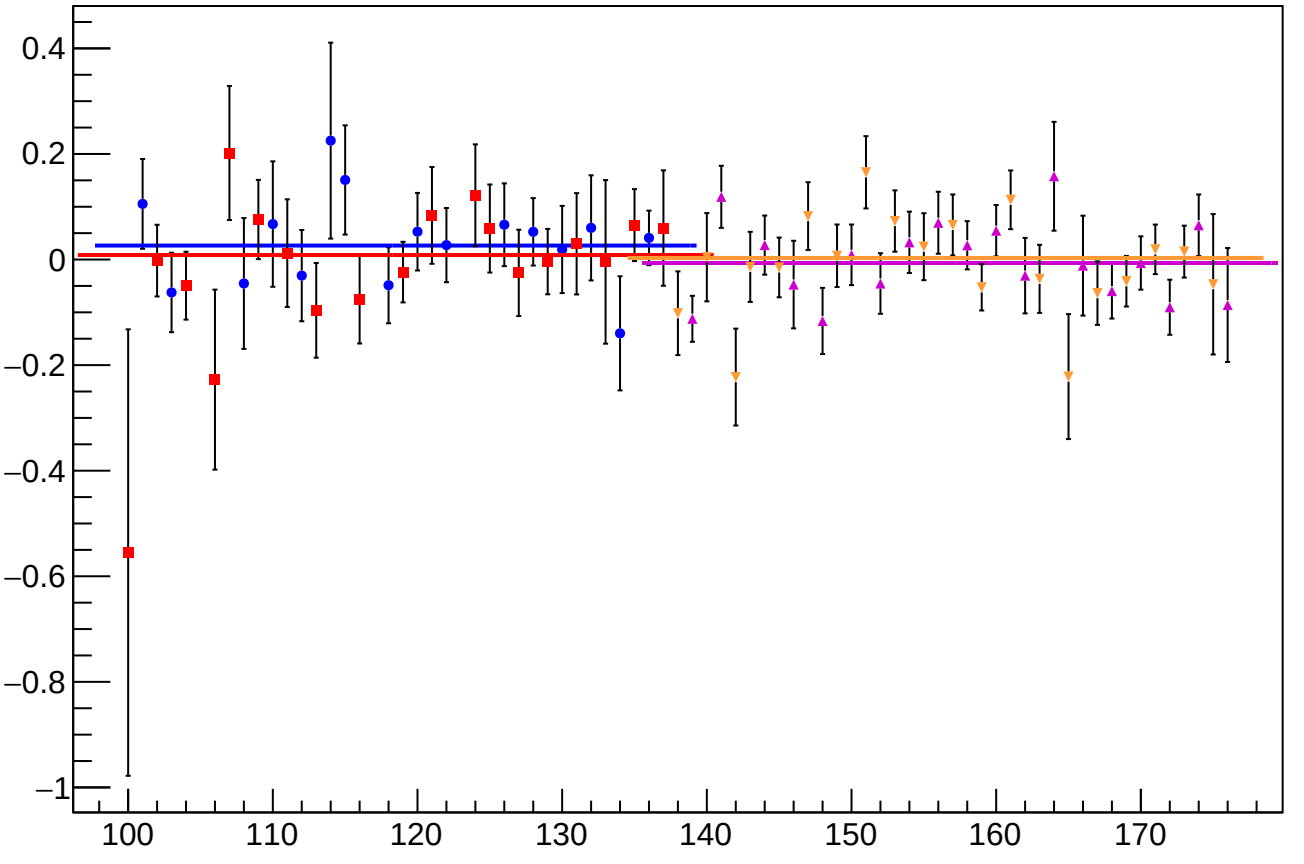
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1800979.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 4754309.1/35

All: 0.000+/-0.000 χ^2/NDF: 10004272.1/73

- sign 0.000+/-0.000 χ^2/NDF: 5244075.6/37



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

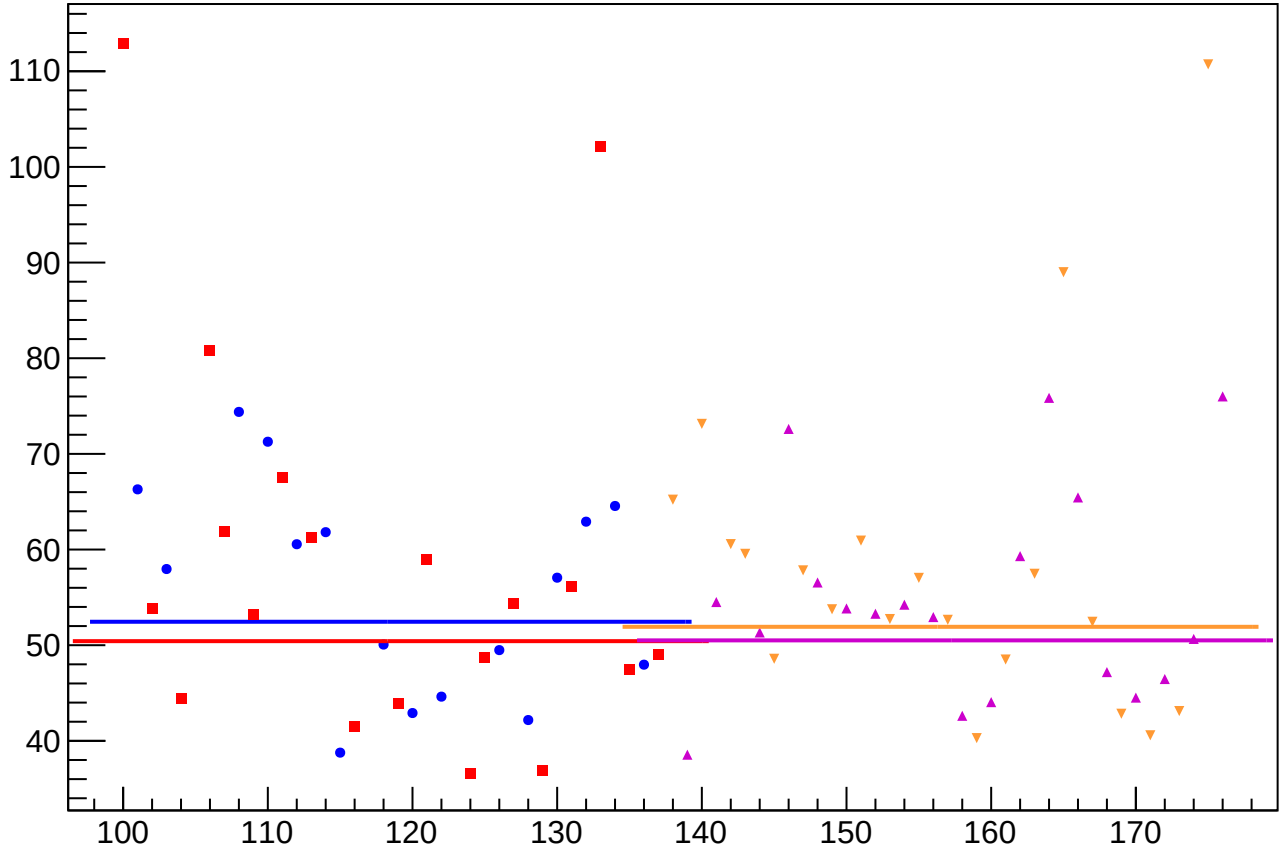
Left In: -0.007+/-0.013 χ^2/NDF:27.2/18

+ sign 0.010+/-0.011 χ^2/NDF: 40.6/35

All: 0.004+/-0.008 χ^2/NDF: 82.8/73

- sign -0.002+/-0.011 χ^2/NDF: 41.6/37

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: 51.923+/-0.010 χ^2/NDF:1306960.5/19

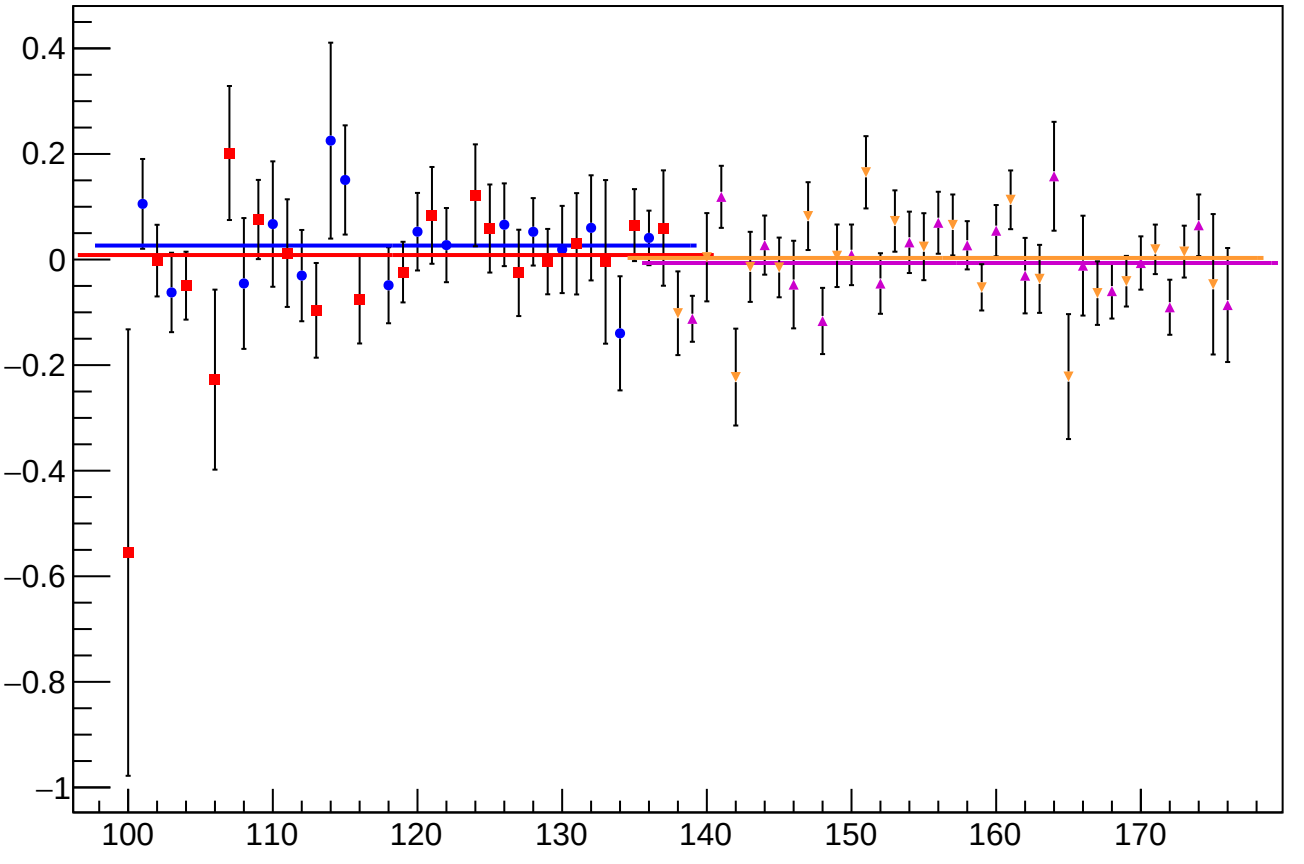
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.504+/-0.009 χ^2/NDF:799751.9/18

+ sign 52.087+/-0.008 χ^2/NDF: 1725898.3/35

All: 51.260+/-0.006 χ^2/NDF: 3223008.9/73

- sign 50.478+/-0.008 χ^2/NDF: 1476522.6/37



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

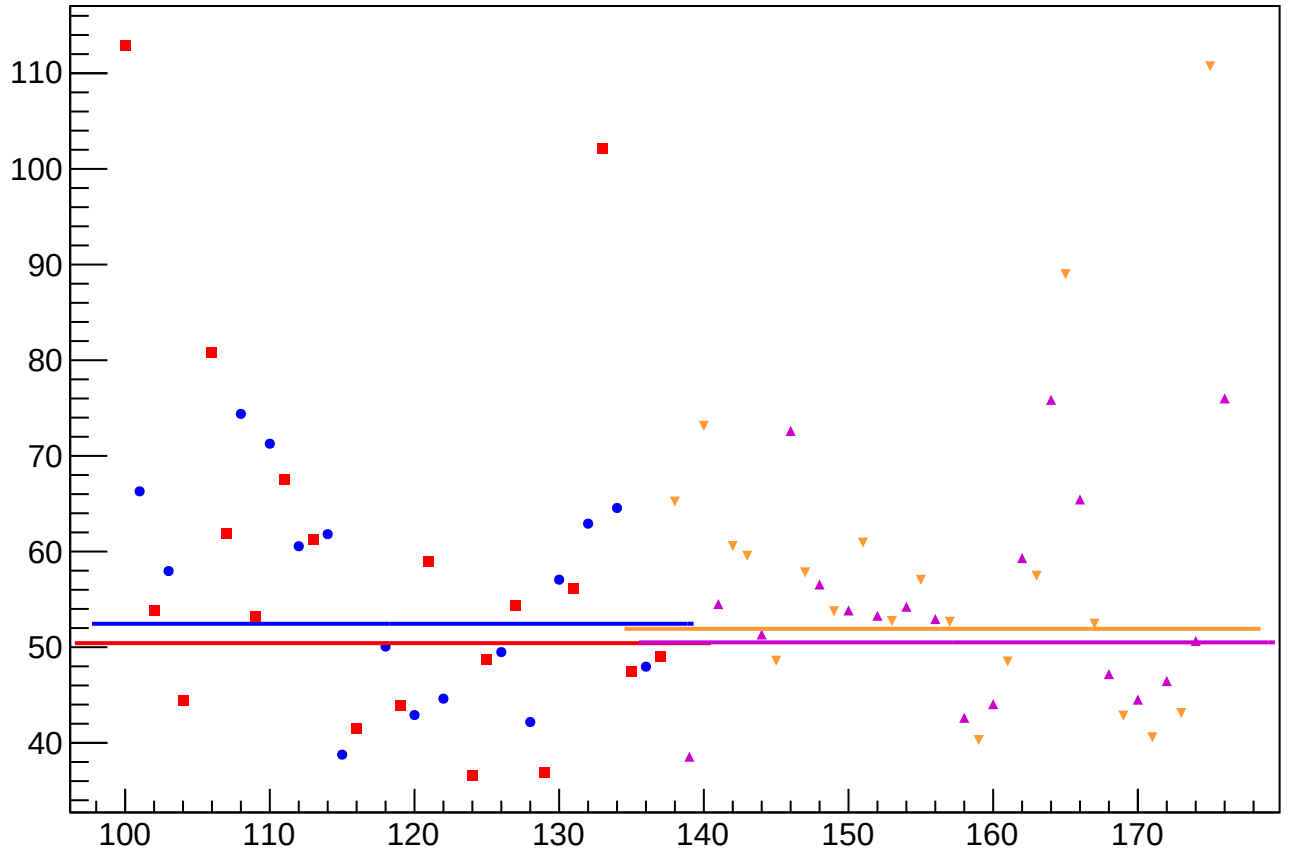
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.013 χ^2/NDF:27.2/18

+ sign 0.010+/-0.011 χ^2/NDF: 40.6/35

All: 0.004+/-0.008 χ^2/NDF: 82.8/73

- sign -0.002+/-0.011 χ^2/NDF: 41.6/37



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306960.5/19

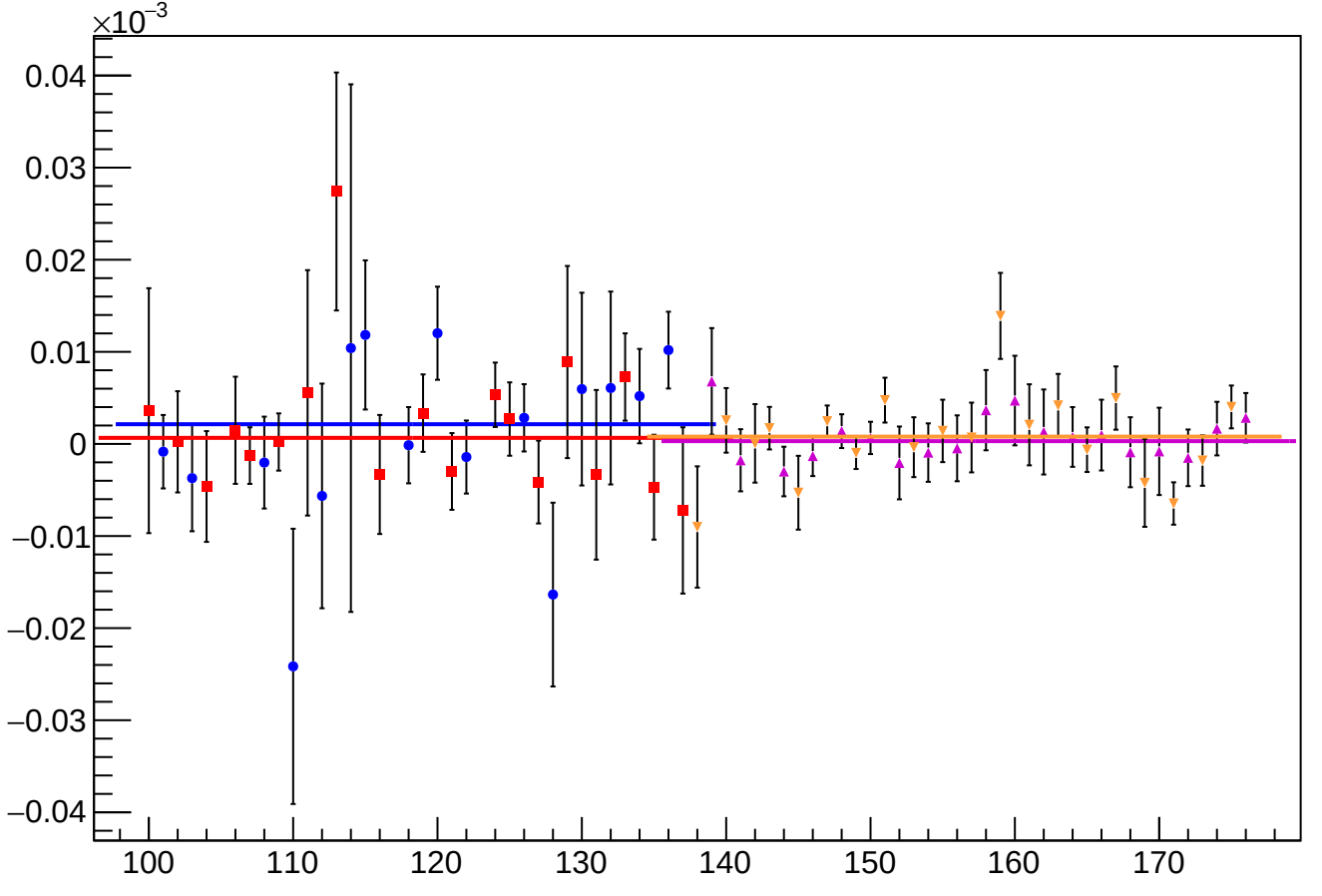
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.504+/-0.009 χ^2/NDF:799751.9/18

+ sign 52.087+/-0.008 χ^2/NDF: 1725898.3/35

All: 51.260+/-0.006 χ^2/NDF: 3223008.9/73

- sign 50.478+/-0.008 χ^2/NDF: 1476522.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.4/19

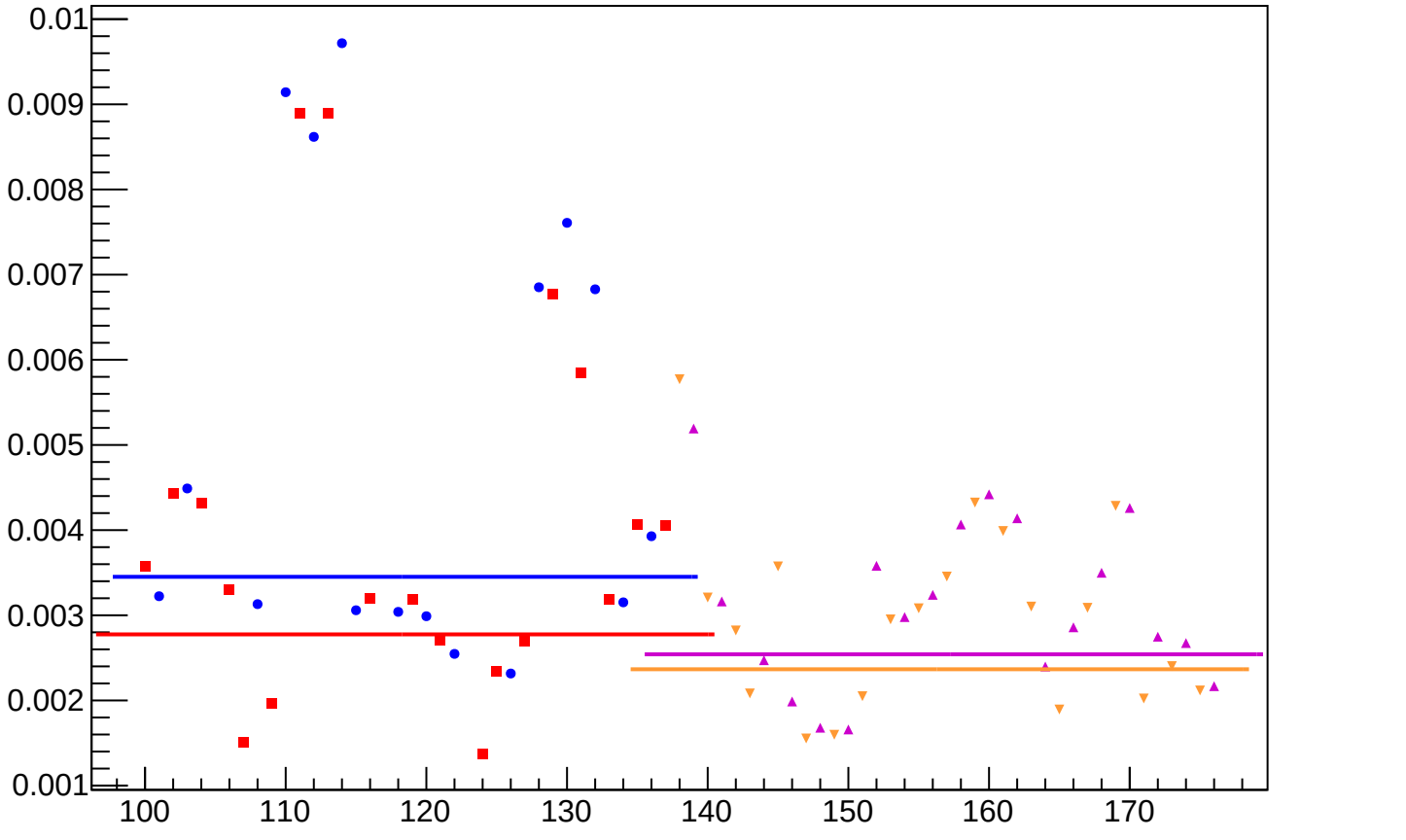
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 55.3/35

All: 0.000+/-0.000 χ^2/NDF: 78.5/73

- sign 0.000+/-0.000 χ^2/NDF: 22.7/37



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3348944.8/19

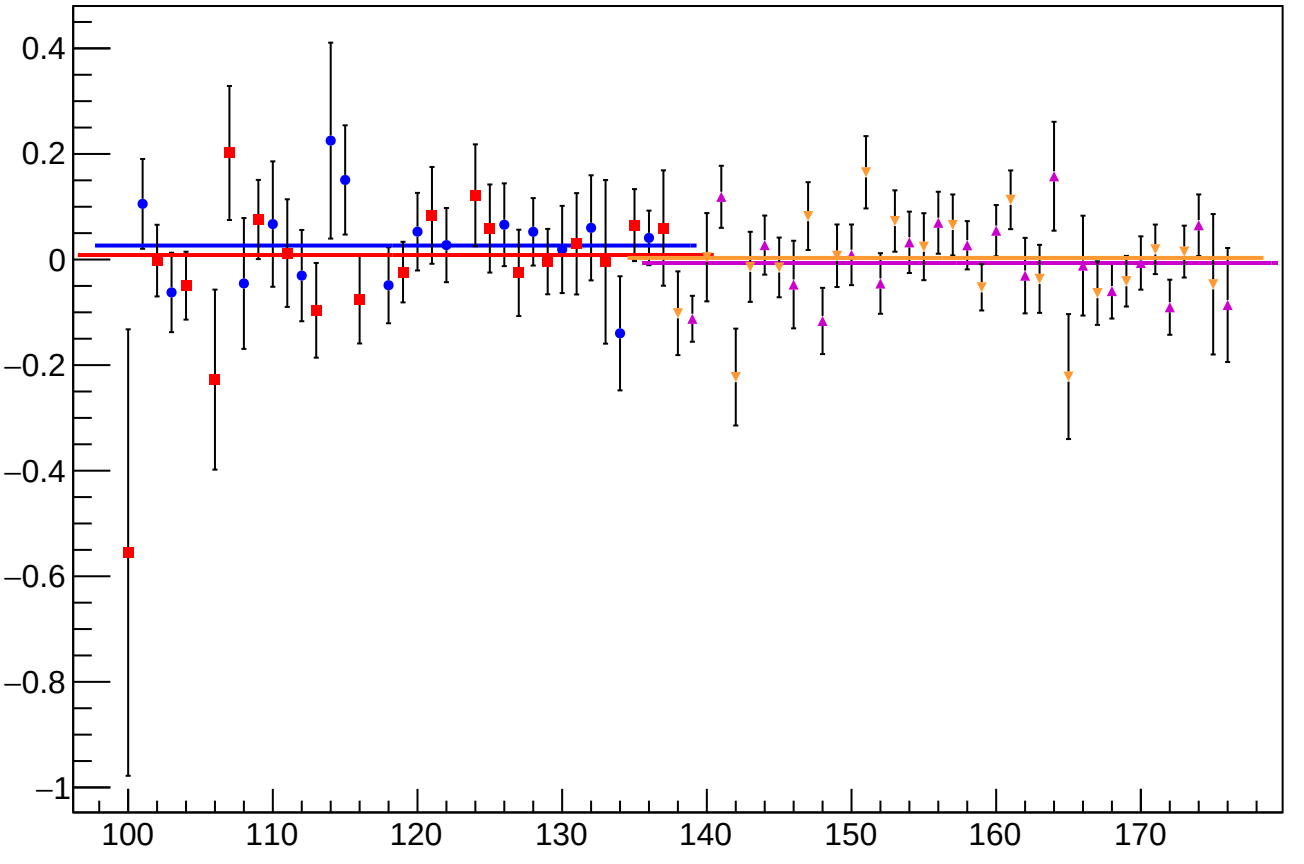
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3059854.3/18

+ sign 0.003+/-0.000 χ^2/NDF: 6314674.7/35

All: 0.003+/-0.000 χ^2/NDF: 12177788.2/73

- sign 0.003+/-0.000 χ^2/NDF: 5855932.5/37



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

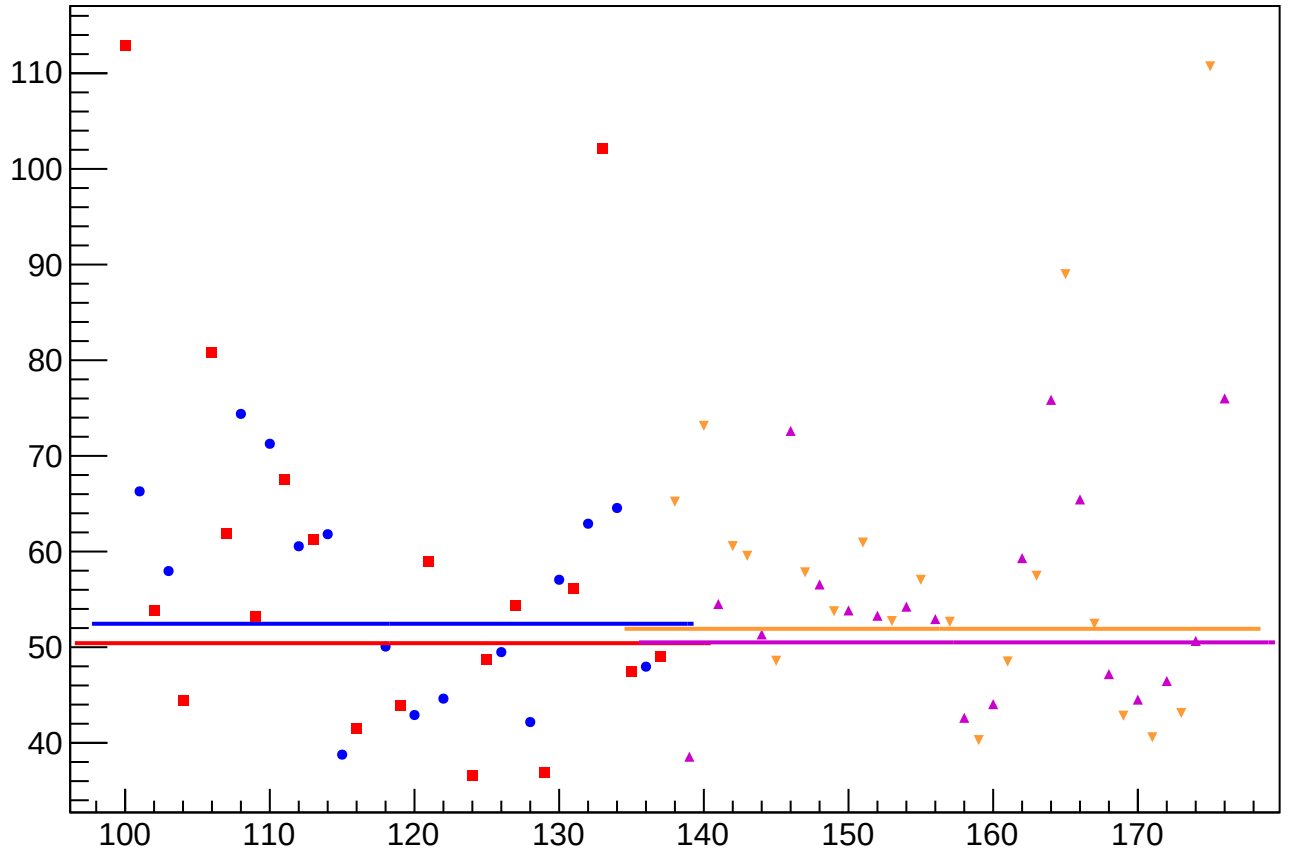
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.013 χ^2/NDF:27.2/18

+ sign 0.010+/-0.011 χ^2/NDF: 40.6/35

All: 0.004+/-0.008 χ^2/NDF: 82.8/73

- sign -0.002+/-0.011 χ^2/NDF: 41.6/37



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306977.1/19

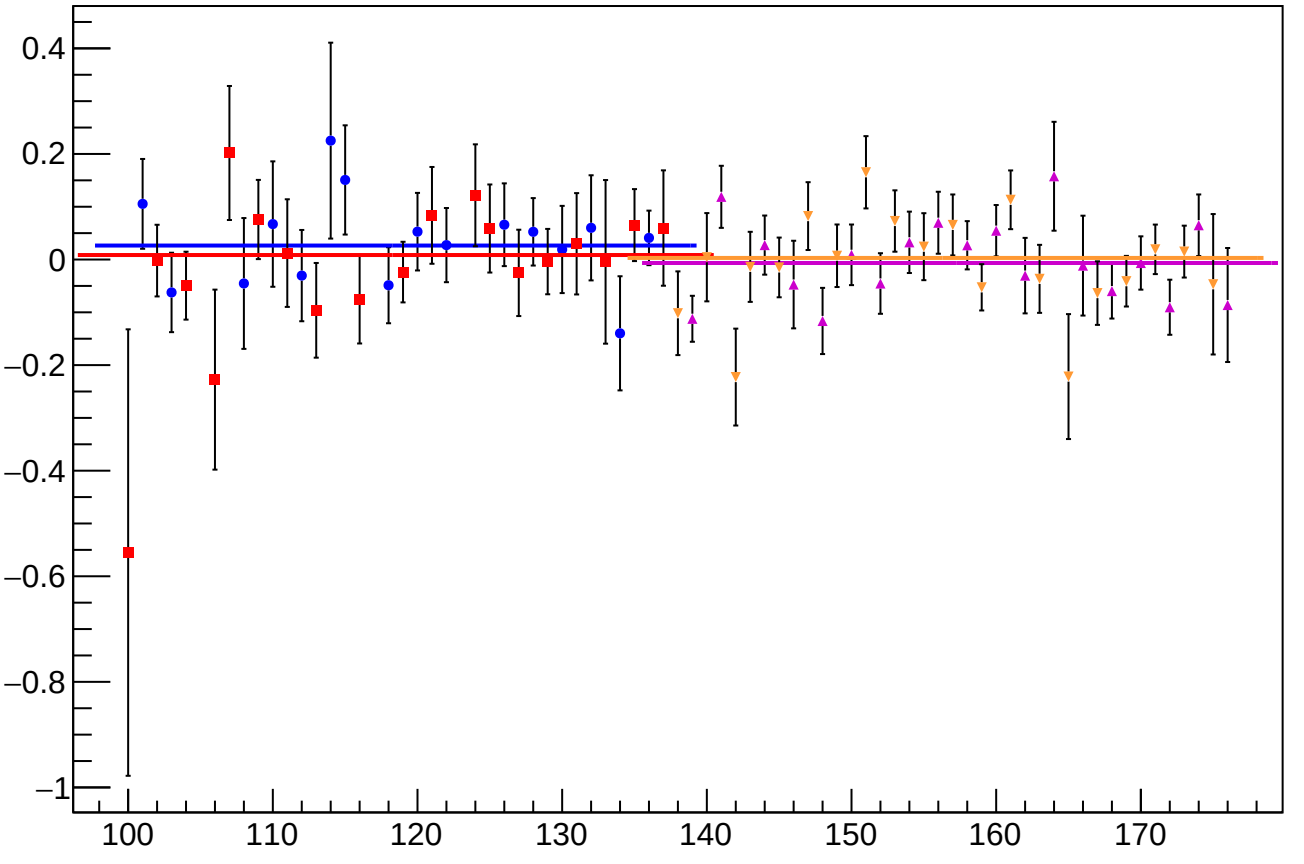
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.504+/-0.009 χ^2/NDF:799822.2/18

\+ sign 52.087+/-0.008 χ^2/NDF: 1725862.6/35

All: 51.260+/-0.006 χ^2/NDF: 3223052.6/73

\- sign 50.478+/-0.008 χ^2/NDF: 1476600.1/37



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

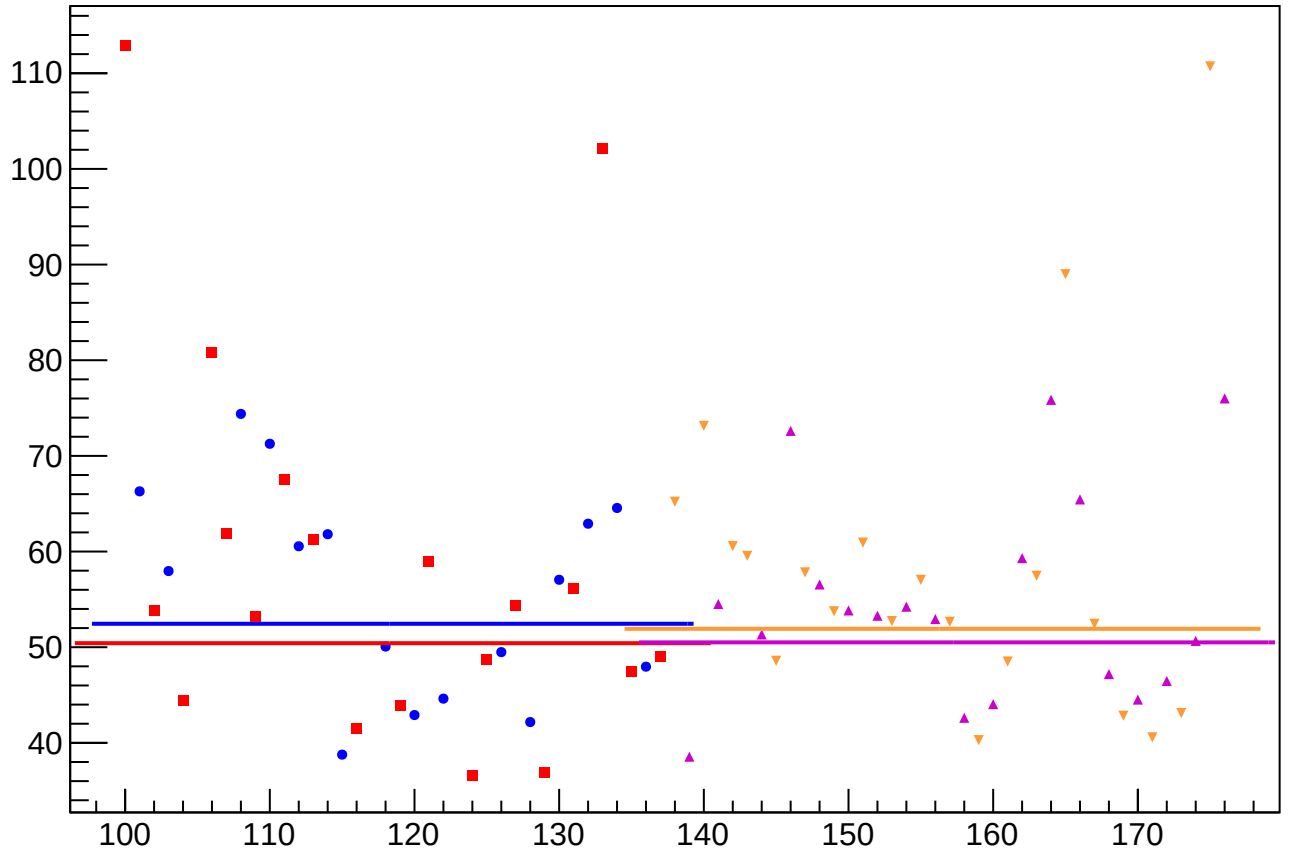
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.013 χ^2/NDF:27.2/18

+ sign 0.010+/-0.011 χ^2/NDF: 40.6/35

All: 0.004+/-0.008 χ^2/NDF: 82.8/73

- sign -0.002+/-0.011 χ^2/NDF: 41.6/37



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306977.1/19

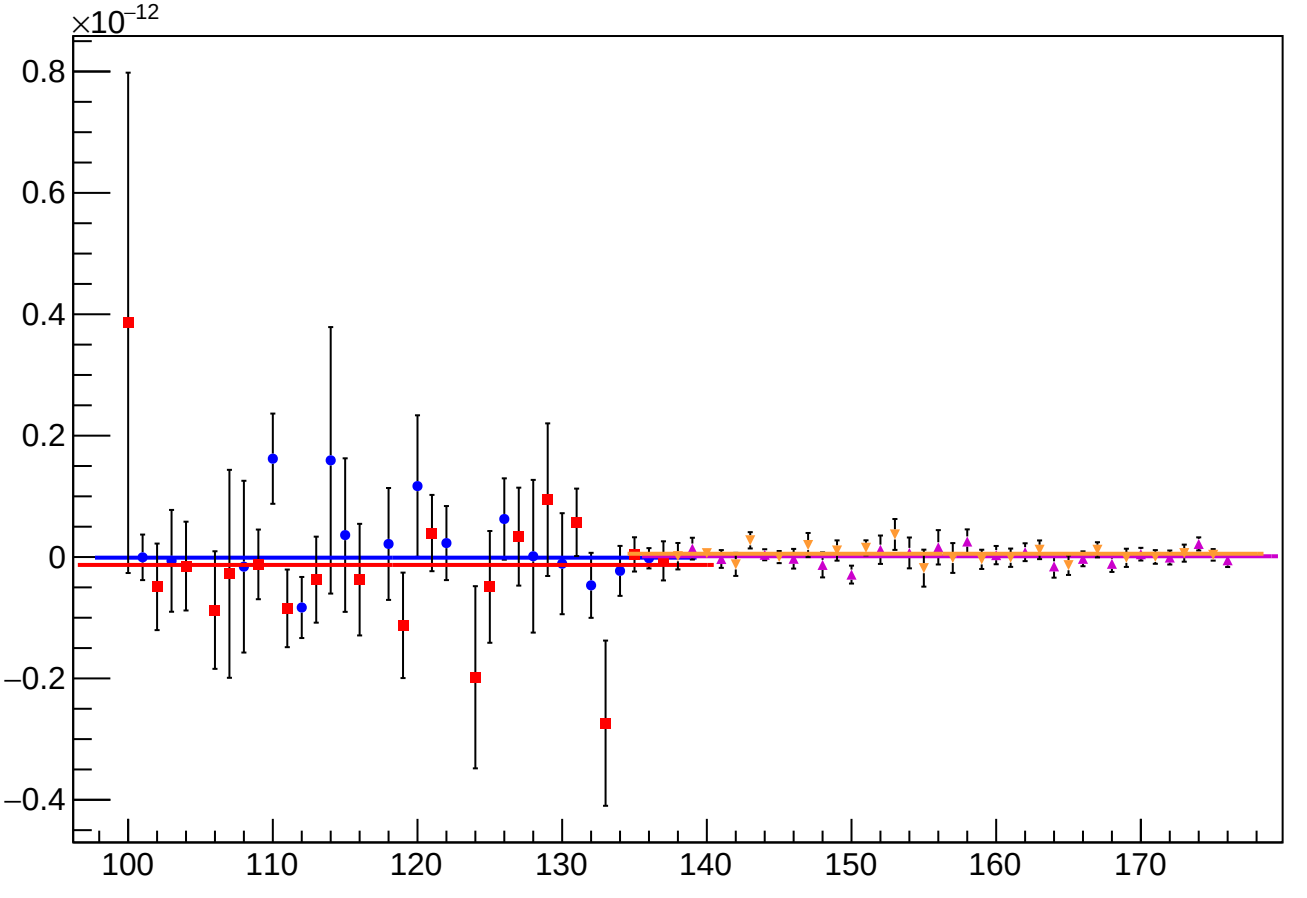
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.504+/-0.009 χ^2/NDF:799822.2/18

+ sign 52.087+/-0.008 χ^2/NDF: 1725862.6/35

All: 51.260+/-0.006 χ^2/NDF: 3223052.6/73

- sign 50.478+/-0.008 χ^2/NDF: 1476600.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/19

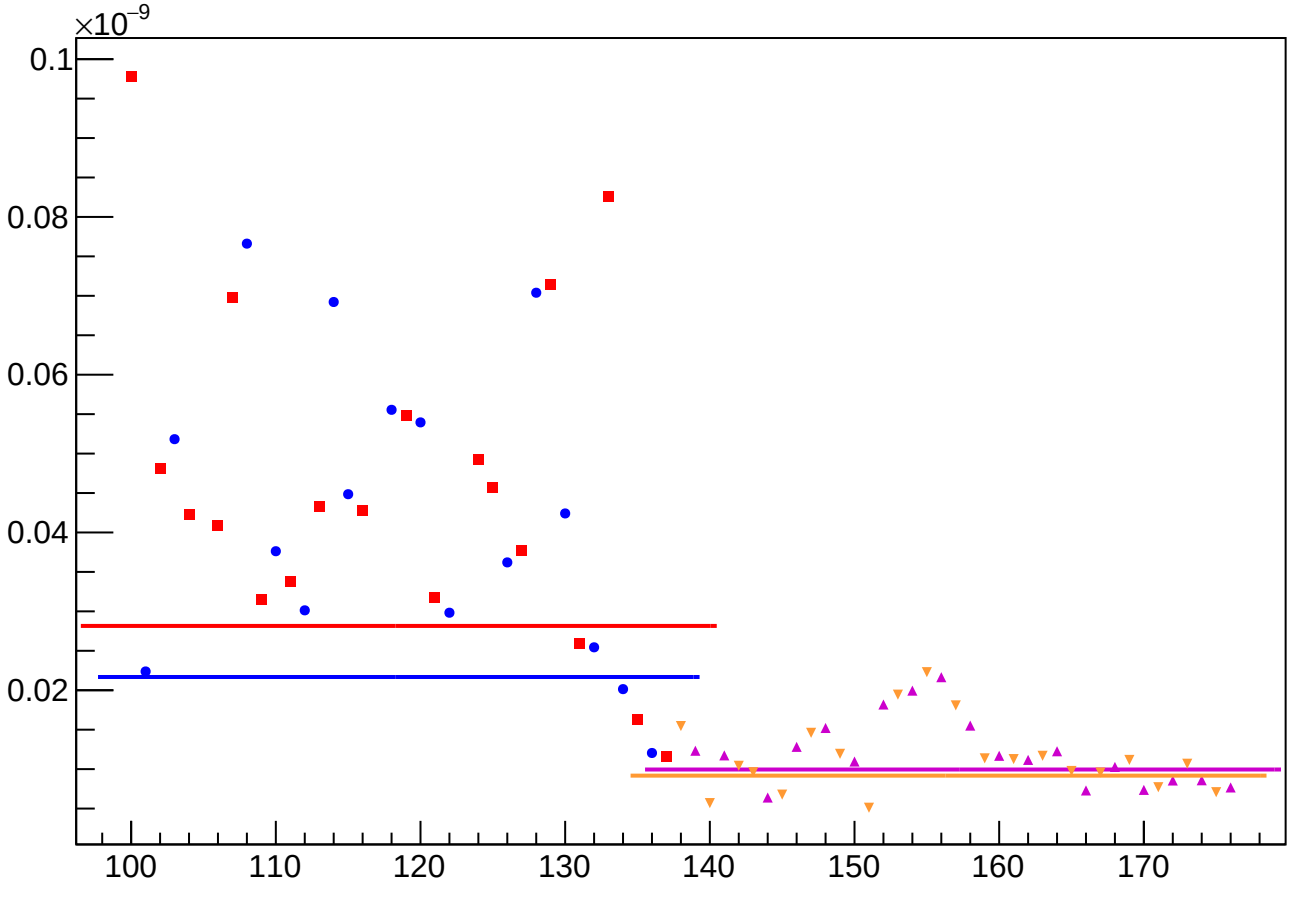
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 21.8/35

All: 0.000+/-0.000 χ^2/NDF: 50.8/73

- sign 0.000+/-0.000 χ^2/NDF: 28.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2358335.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

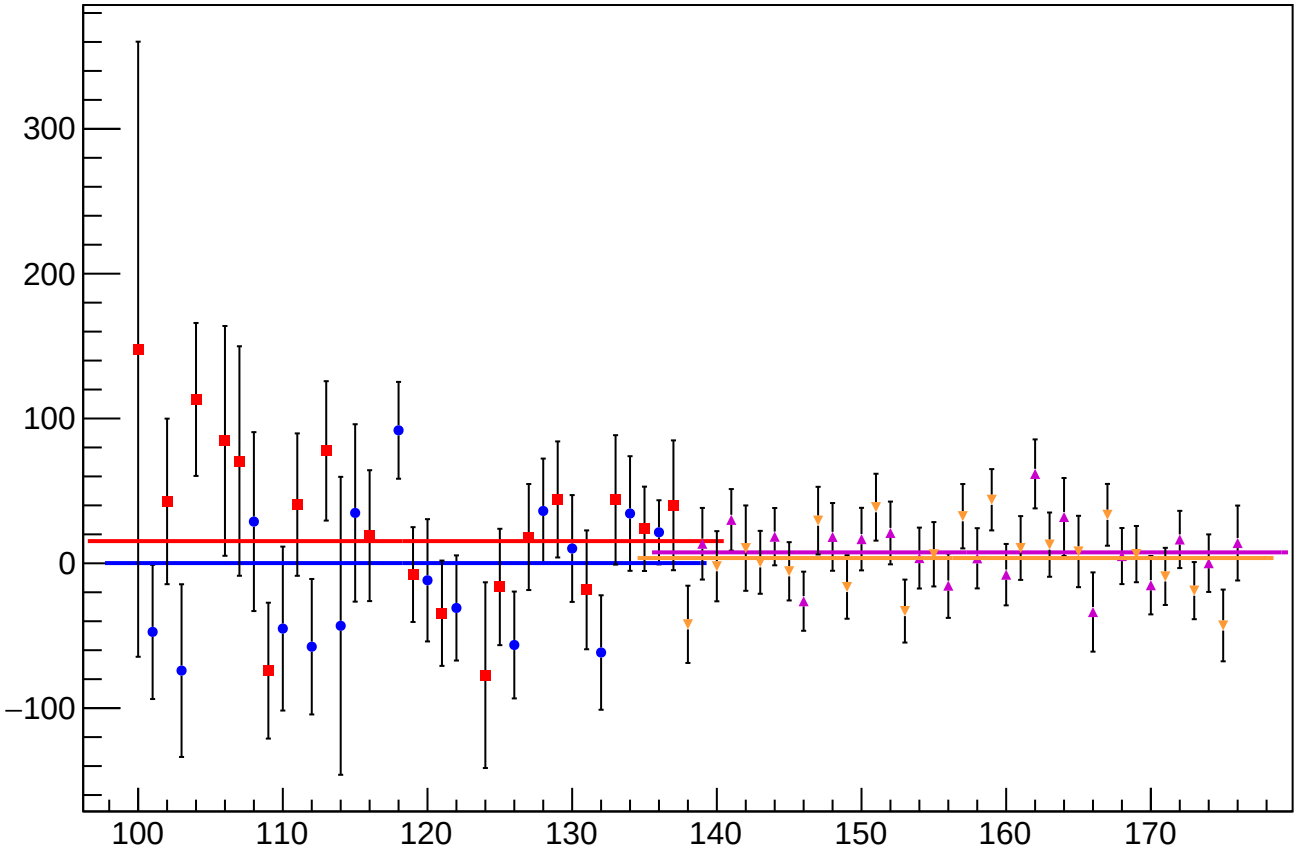
Left In: 0.000+/-0.000 χ^2/NDF:2060843.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 6922206.5/35

All: 0.000+/-0.000 χ^2/NDF: 14442592.0/73

- sign 0.000+/-0.000 χ^2/NDF: 7443716.1/37

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.633+/-4.975 χ^2/NDF:23.3/19

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

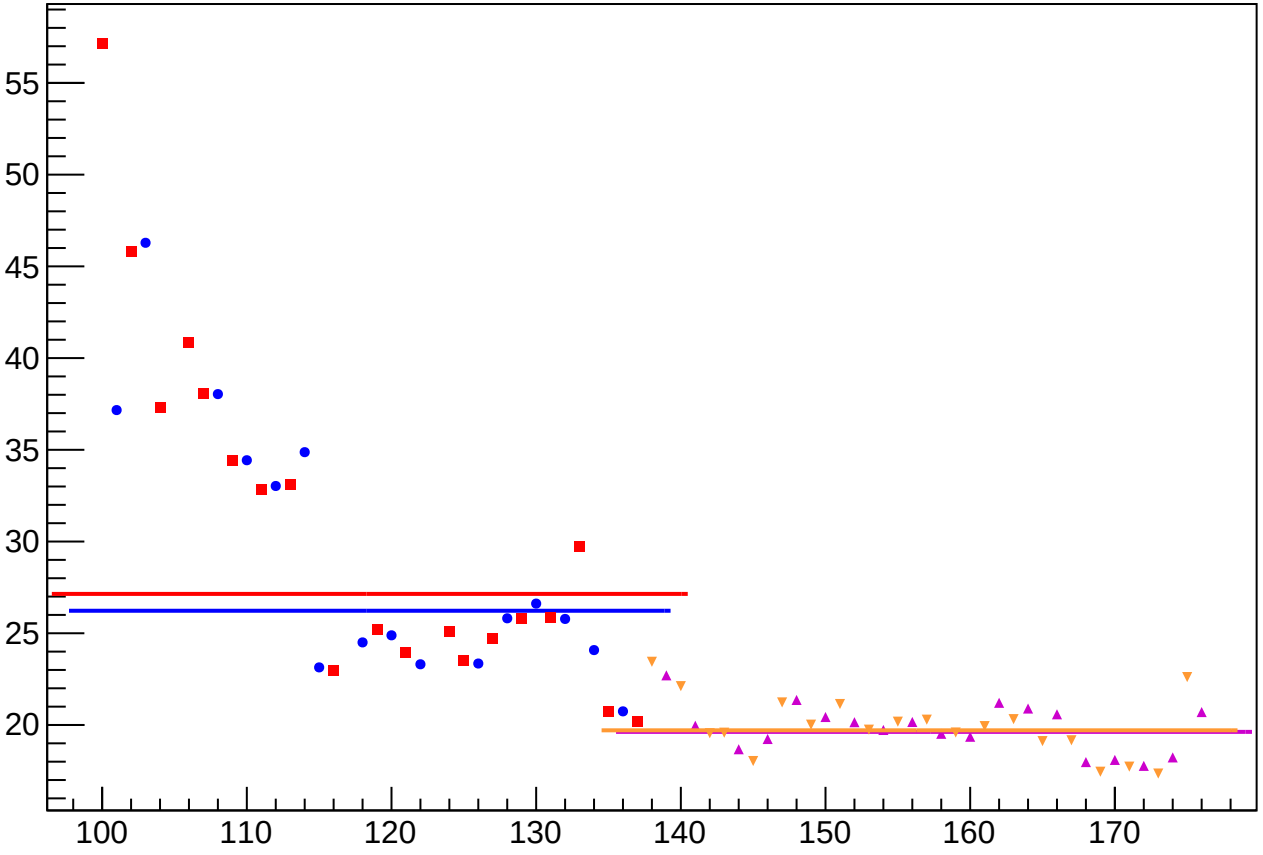
Left In: 7.560+/-5.005 χ^2/NDF:16.6/18

\+ sign 2.948+/-4.459 χ^2/NDF: 44.8/35

All: 5.973+/-3.167 χ^2/NDF: 80.7/73

\- sign 9.053+/-4.499 χ^2/NDF: 35.0/37

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.709+/-0.004 χ^2/NDF:199156.9/19

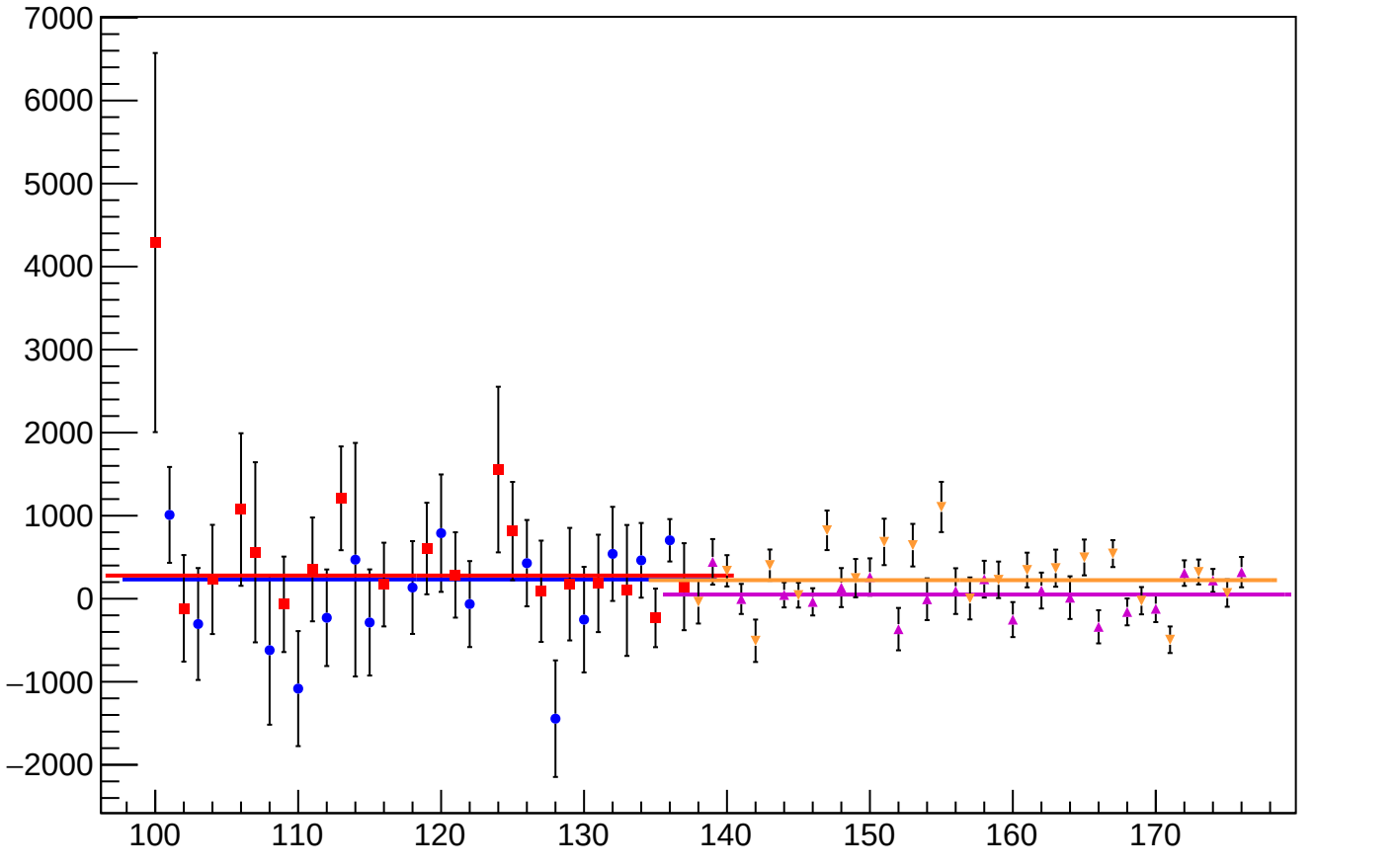
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.624+/-0.004 χ^2/NDF:126124.4/18

+ sign 20.992+/-0.003 χ^2/NDF: 1551088.3/35

All: 21.030+/-0.002 χ^2/NDF: 3300044.0/73

- sign 21.069+/-0.003 χ^2/NDF: 1748666.0/37



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 223.627+/-44.624 χ^2/NDF:62.9/19

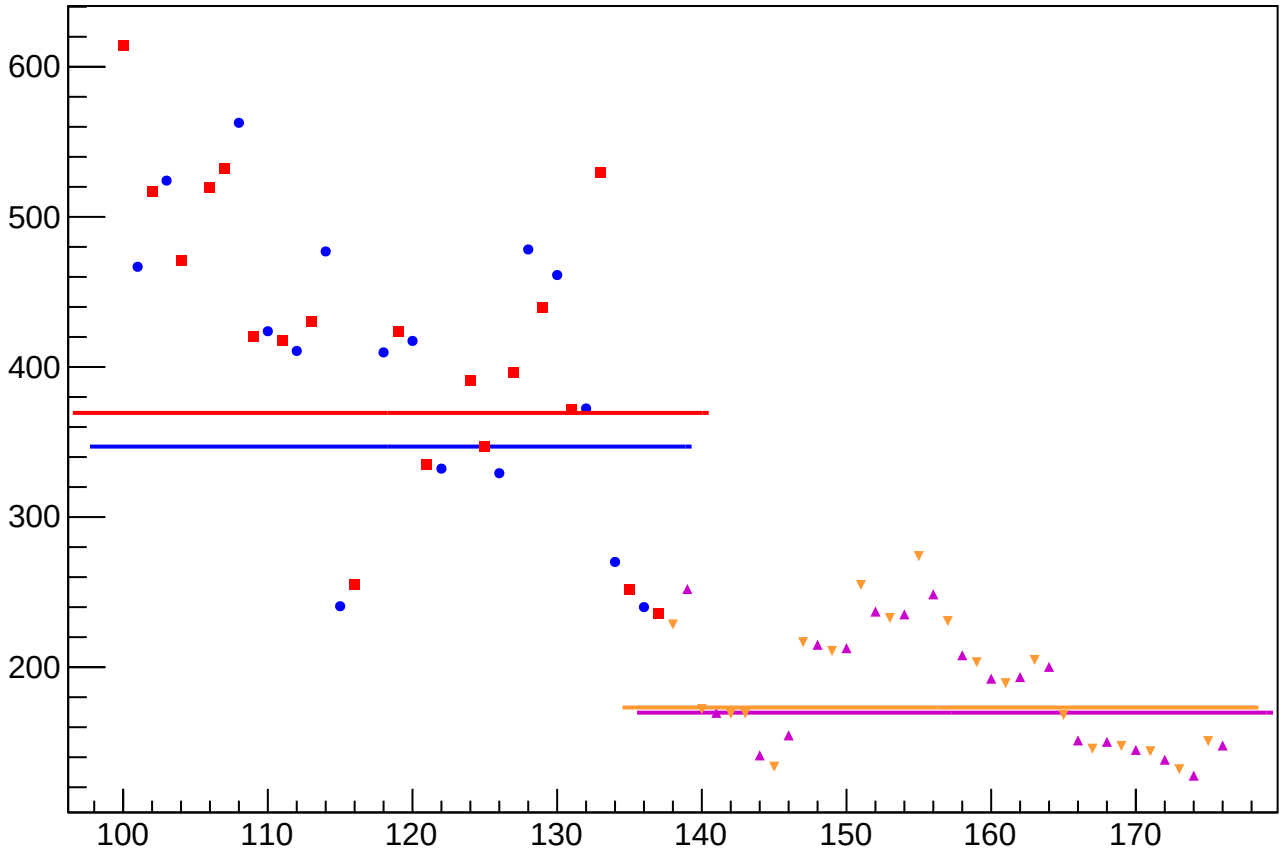
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 50.523+/-44.183 χ^2/NDF:22.1/18

+ sign 224.462+/-42.365 χ^2/NDF: 82.5/35

All: 147.427+/-29.874 χ^2/NDF: 125.7/73

- sign 71.231+/-42.134 χ^2/NDF: 36.6/37



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 173.141+/-0.032 χ^2/NDF:1404362.1/19

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

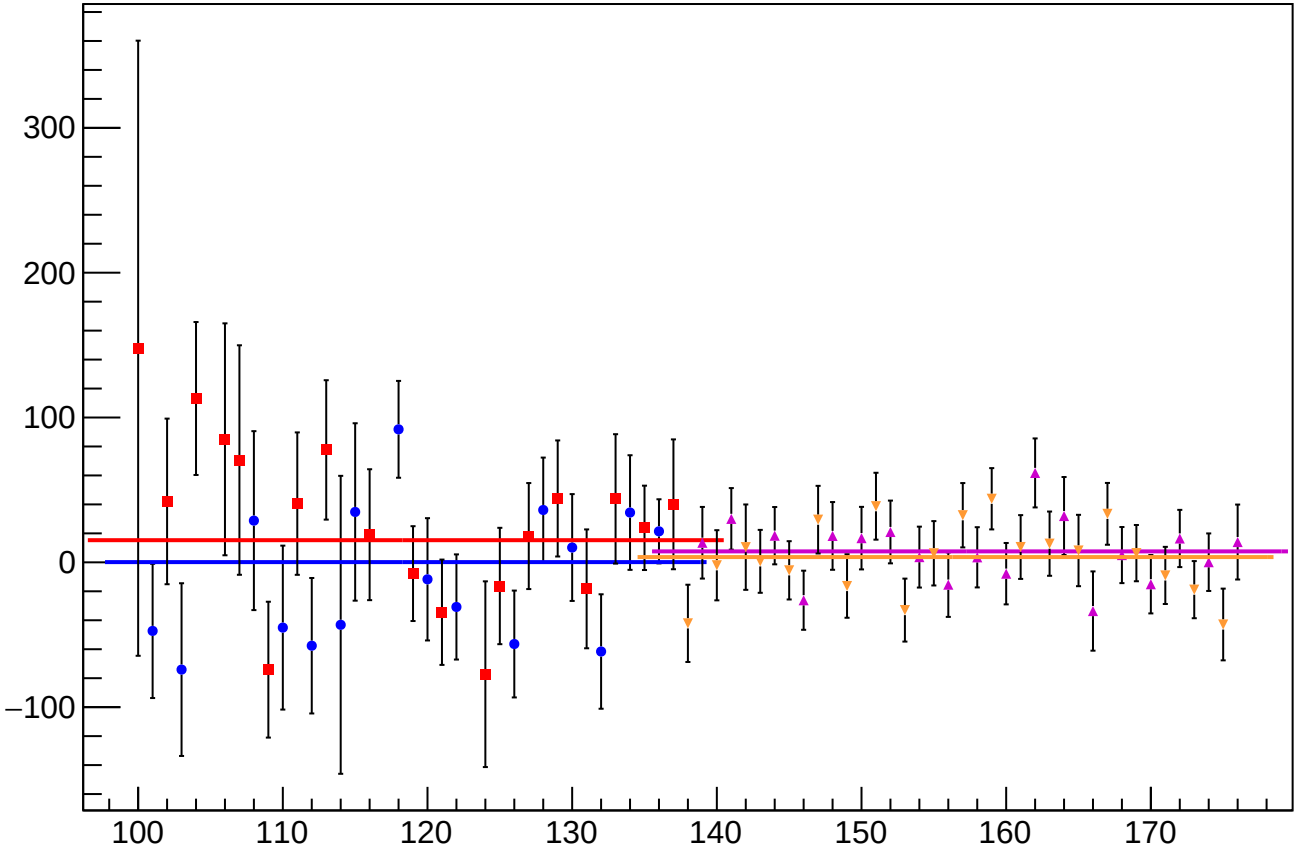
Left In: 169.704+/-0.031 χ^2/NDF:1377202.2/18

+ sign 190.293+/-0.030 χ^2/NDF: 5456842.9/35

All: 189.040+/-0.021 χ^2/NDF: 11459076.4/73

- sign 187.801+/-0.030 χ^2/NDF: 5998756.7/37

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.632+/-4.975 χ^2/NDF:23.3/19

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

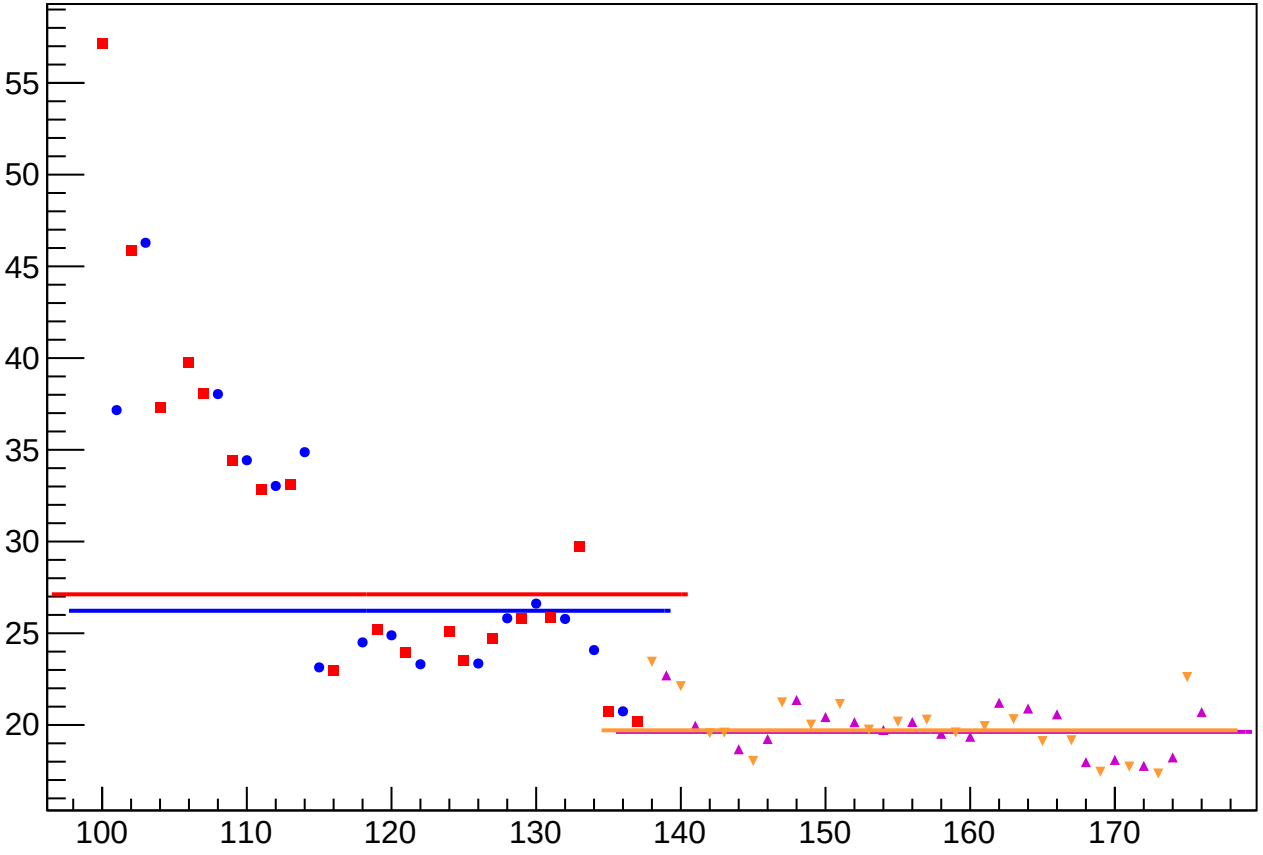
Left In: 7.560+/-5.005 χ^2/NDF:16.6/18

+ sign 2.948+/-4.459 χ^2/NDF: 44.8/35

All: 5.969+/-3.167 χ^2/NDF: 80.7/73

- sign 9.045+/-4.499 χ^2/NDF: 35.0/37

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.709+/-0.004 χ^2/NDF:199156.9/19

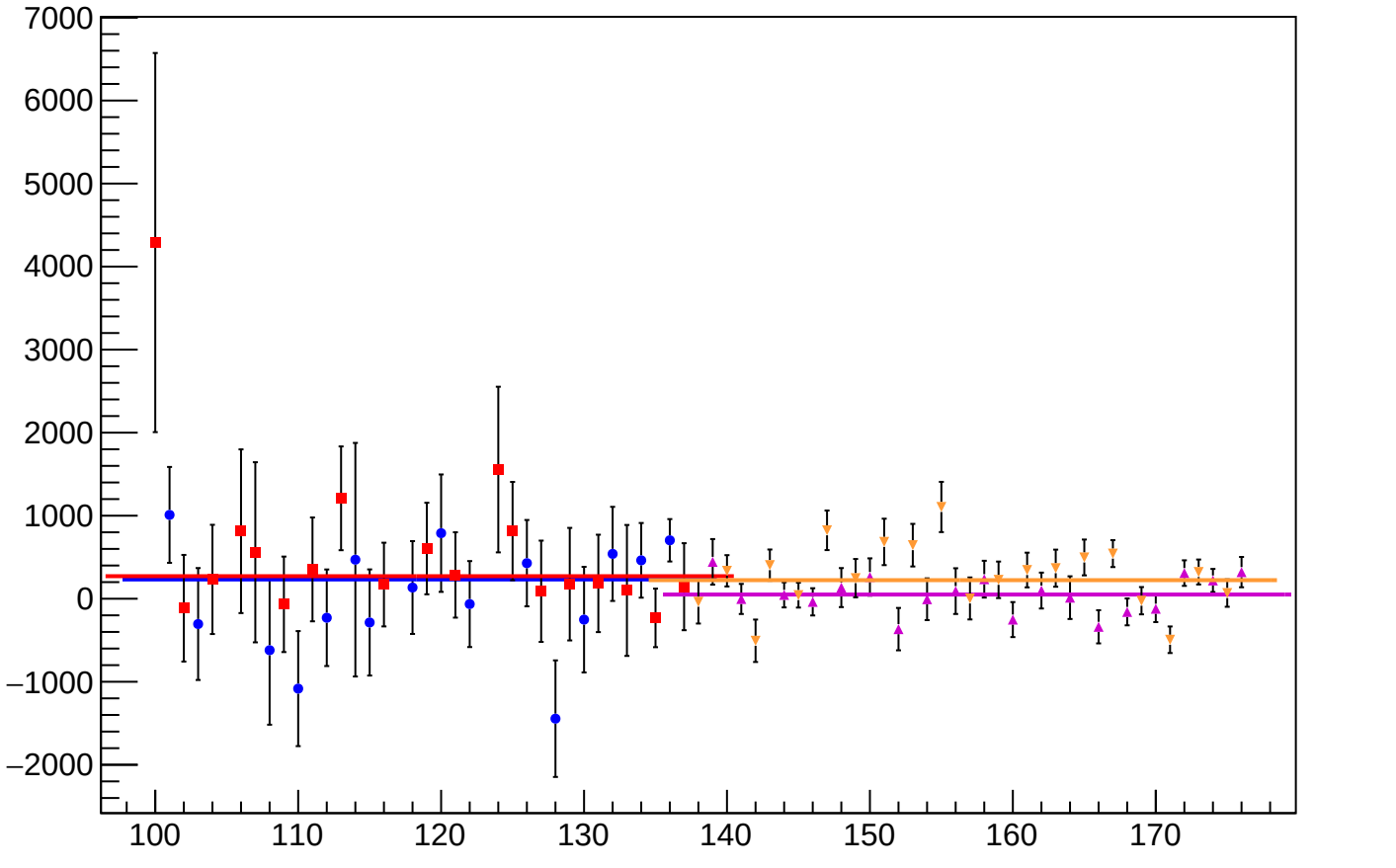
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.624+/-0.004 χ^2/NDF:126124.4/18

+ sign 20.992+/-0.003 χ^2/NDF: 1551091.6/35

All: 21.028+/-0.002 χ^2/NDF: 3284991.9/73

- sign 21.064+/-0.003 χ^2/NDF: 1733644.4/37



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 223.626+/-44.624 χ^2/NDF:62.9/19

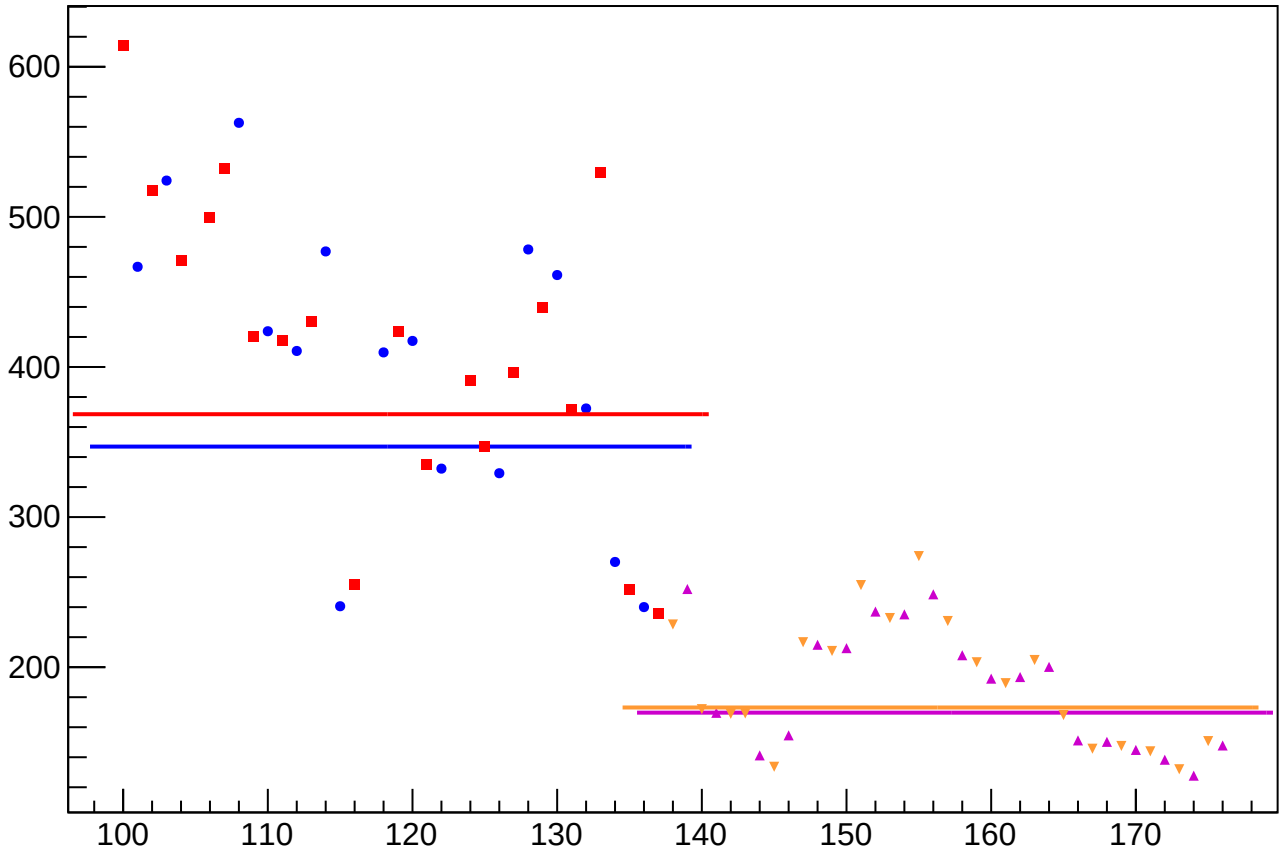
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 50.524+/-44.183 χ^2/NDF:22.1/18

+ sign 224.461+/-42.365 χ^2/NDF: 82.5/35

All: 147.061+/-29.877 χ^2/NDF: 125.1/73

- sign 70.484+/-42.139 χ^2/NDF: 36.0/37



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 173.141+/-0.032 χ^2/NDF:1404364.8/19

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

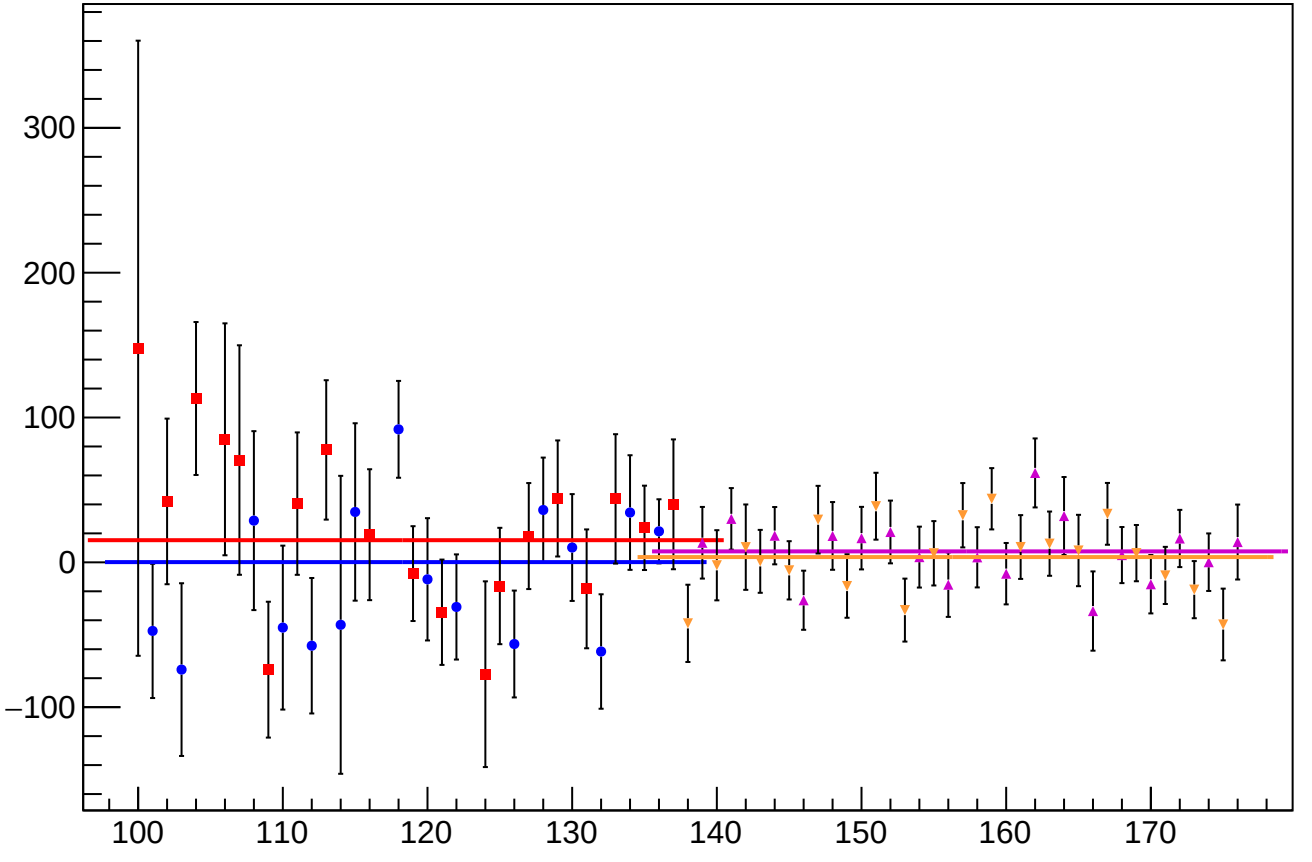
Left In: 169.704+/-0.031 χ^2/NDF:1377199.2/18

+ sign 190.292+/-0.030 χ^2/NDF: 5456873.3/35

All: 188.975+/-0.021 χ^2/NDF: 11398401.8/73

- sign 187.672+/-0.030 χ^2/NDF: 5937682.4/37

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.632+/-4.975 χ^2/NDF:23.3/19

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

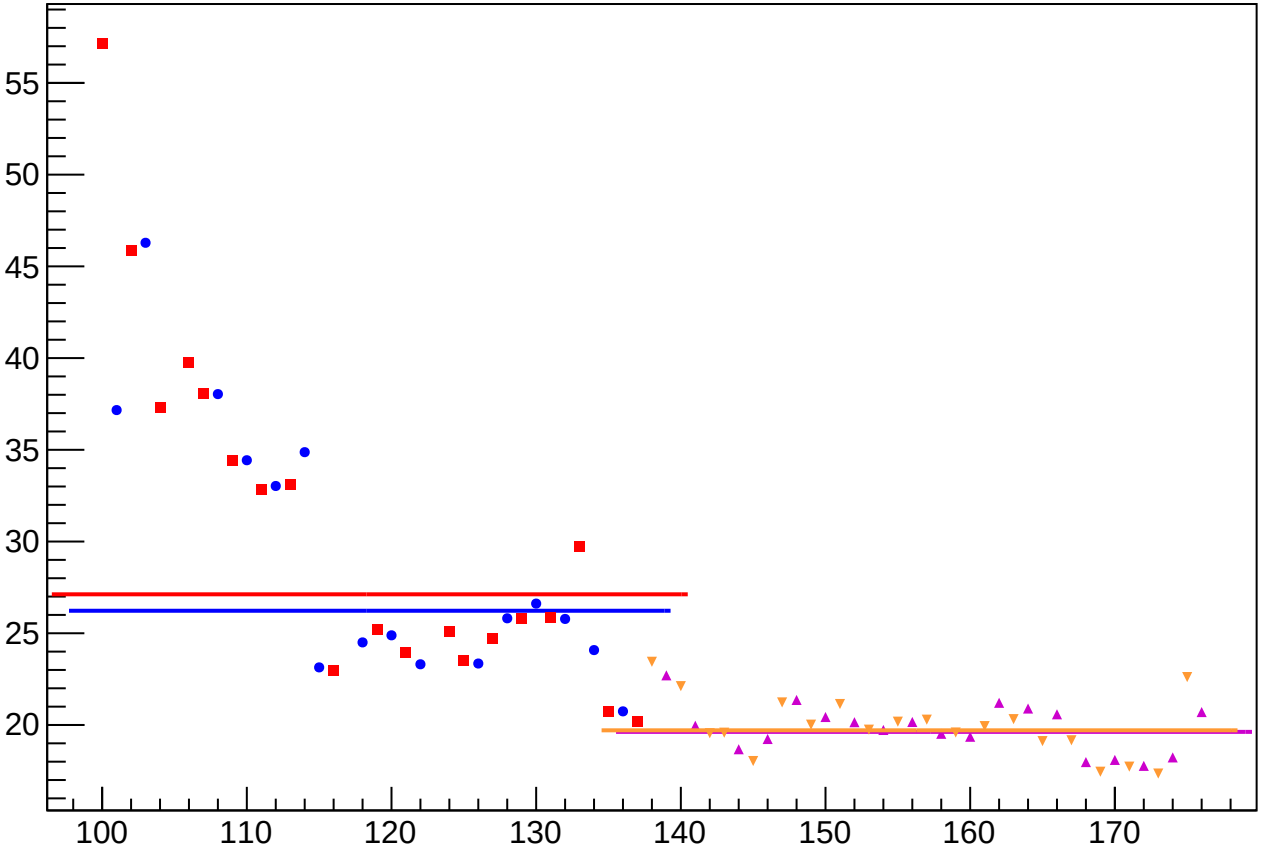
Left In: 7.560+/-5.005 χ^2/NDF:16.6/18

+ sign 2.948+/-4.459 χ^2/NDF: 44.8/35

All: 5.969+/-3.167 χ^2/NDF: 80.7/73

- sign 9.045+/-4.499 χ^2/NDF: 35.0/37

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.709+/-0.004 χ^2/NDF:199156.9/19

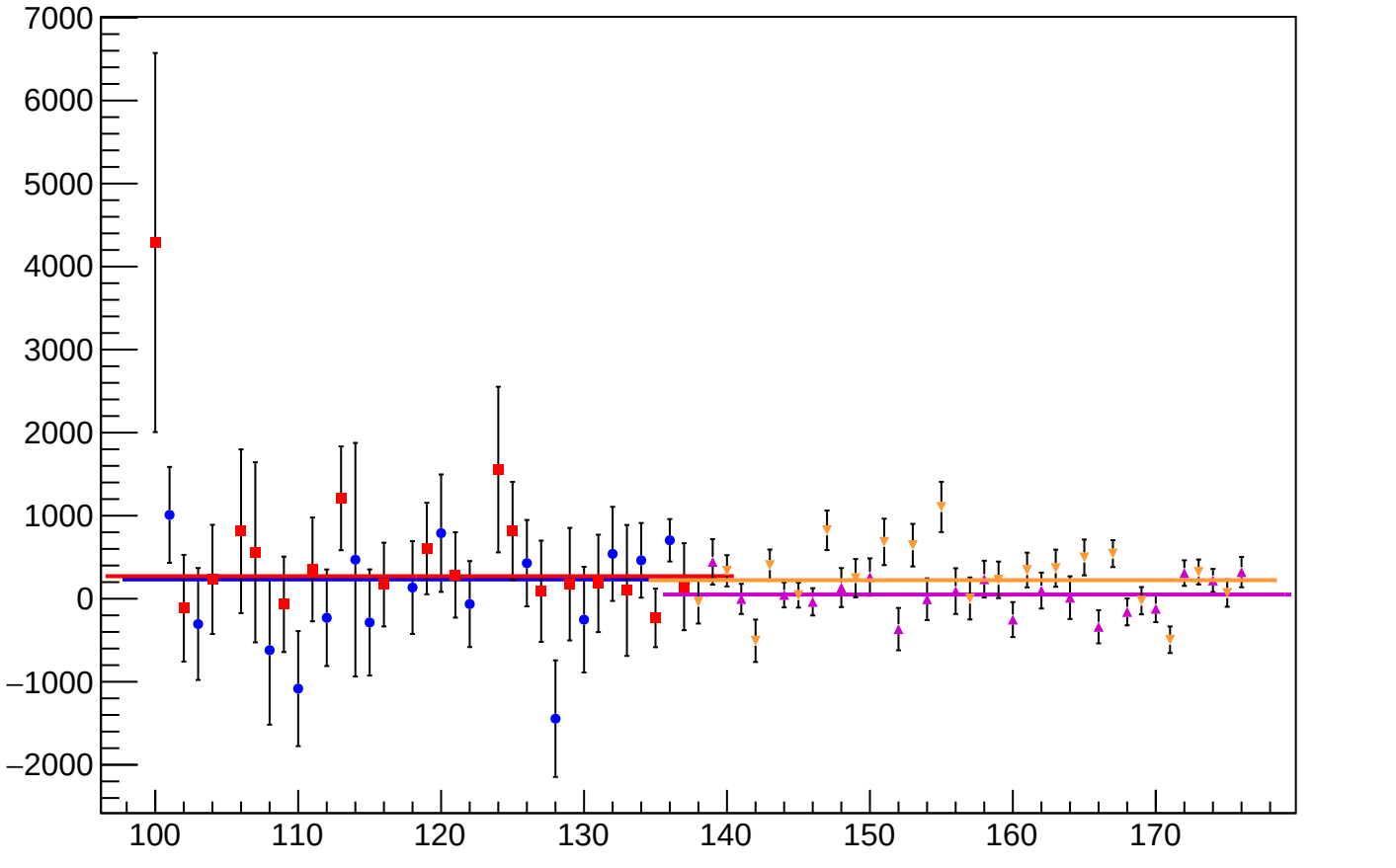
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.624+/-0.004 χ^2/NDF:126124.4/18

+ sign 20.992+/-0.003 χ^2/NDF: 1551091.6/35

All: 21.028+/-0.002 χ^2/NDF: 3284991.9/73

- sign 21.064+/-0.003 χ^2/NDF: 1733644.4/37



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 223.626+/-44.624 χ^2/NDF:62.9/19

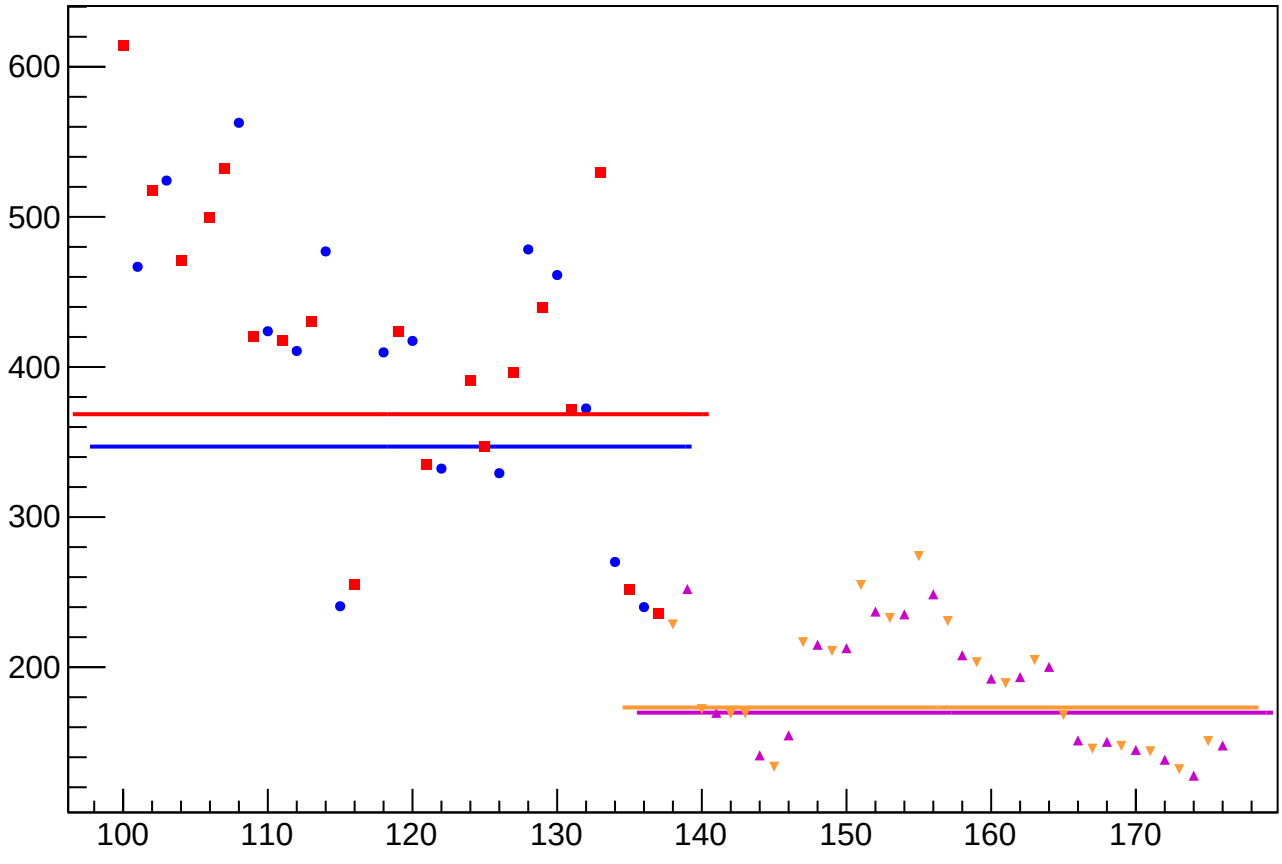
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 50.524+/-44.183 χ^2/NDF:22.1/18

+ sign 224.461+/-42.365 χ^2/NDF: 82.5/35

All: 147.061+/-29.877 χ^2/NDF: 125.1/73

- sign 70.484+/-42.139 χ^2/NDF: 36.0/37



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 173.141+/-0.032 χ^2/NDF:1404364.8/19

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

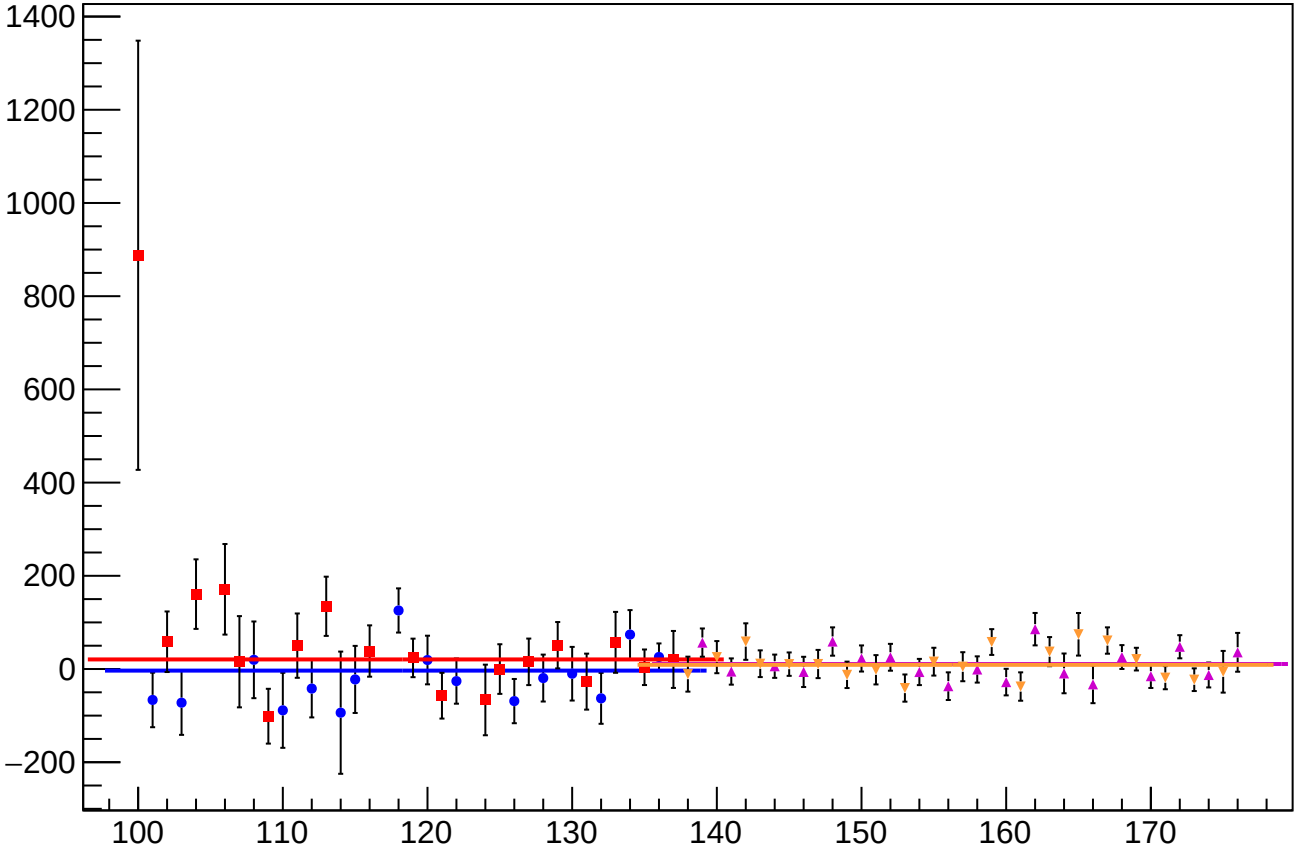
Left In: 169.704+/-0.031 χ^2/NDF:1377199.2/18

+ sign 190.292+/-0.030 χ^2/NDF: 5456873.3/35

All: 188.975+/-0.021 χ^2/NDF: 11398401.8/73

- sign 187.672+/-0.030 χ^2/NDF: 5937682.4/37

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 9.004+/-6.694 χ^2/NDF:20.9/19

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

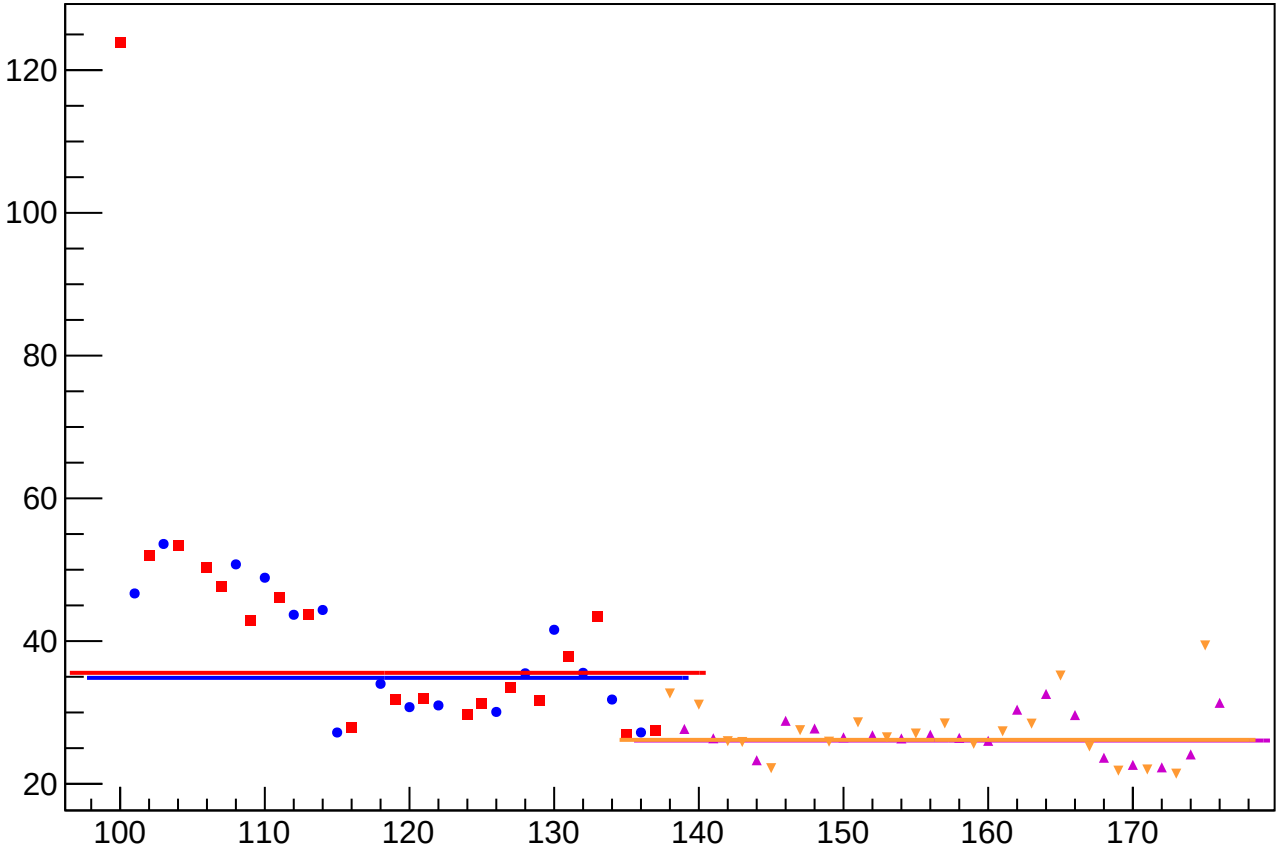
Left In: 10.751+/-6.739 χ^2/NDF:21.6/18

+ sign 6.520+/-5.987 χ^2/NDF: 40.0/35

All: 9.597+/-4.248 χ^2/NDF: 85.8/73

- sign 12.715+/-6.027 χ^2/NDF: 45.2/37

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.162+/-0.005 χ^2/NDF:644194.4/19

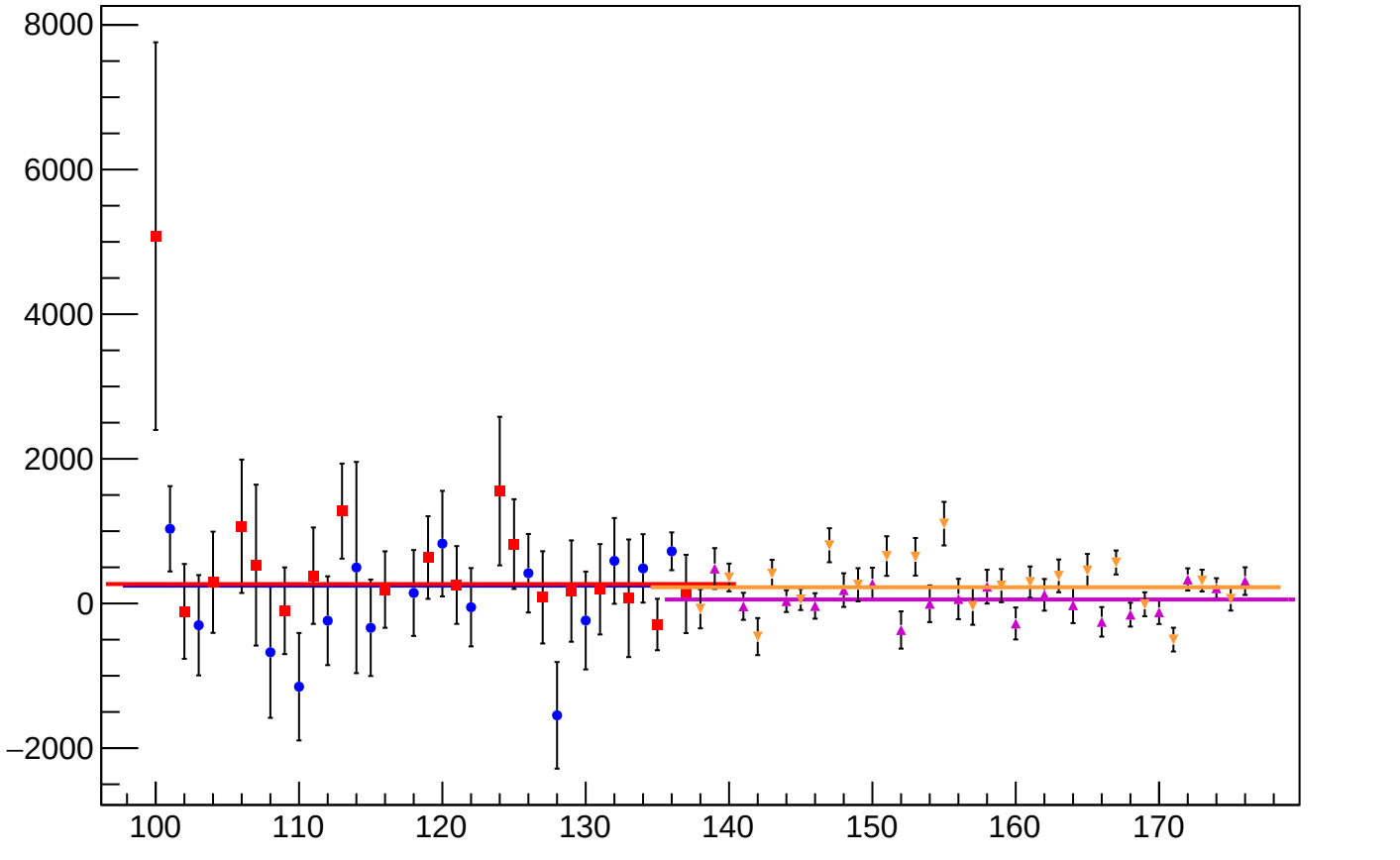
Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

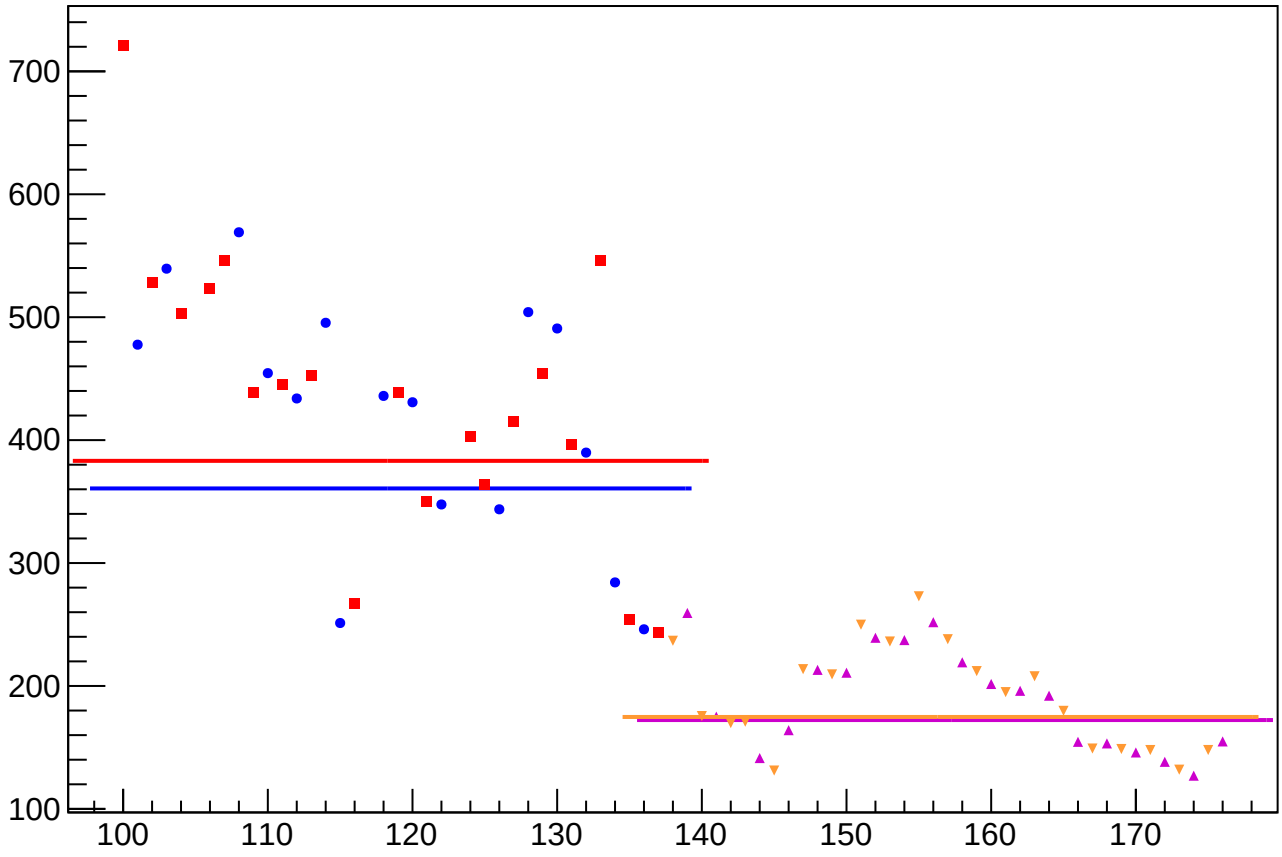
Left In: 26.067+/-0.005 χ^2/NDF:290814.1/18

+ sign 27.898+/-0.004 χ^2/NDF: 1975925.0/35

All: 27.931+/-0.003 χ^2/NDF: 3839574.1/73

- sign 27.965+/-0.004 χ^2/NDF: 1863525.7/37


asym_sam_1357_2468_dd_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 246.507+/-140.275 χ²/NDF: 19.8/15
Left Out: 224.421+/-45.037 χ²/NDF:60.5/19
Right Out: 268.913+/-145.295 χ²/NDF: 12.6/18
Left In: 55.011+/-44.889 χ²/NDF:21.2/18
+ sign 226.485+/-42.881 χ²/NDF: 80.3/35
All: 150.080+/-30.324 χ²/NDF: 122.5/73
- sign 73.649+/-42.889 χ²/NDF: 35.8/37



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 174.776+/-0.032 χ^2/NDF:1459840.7/19

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

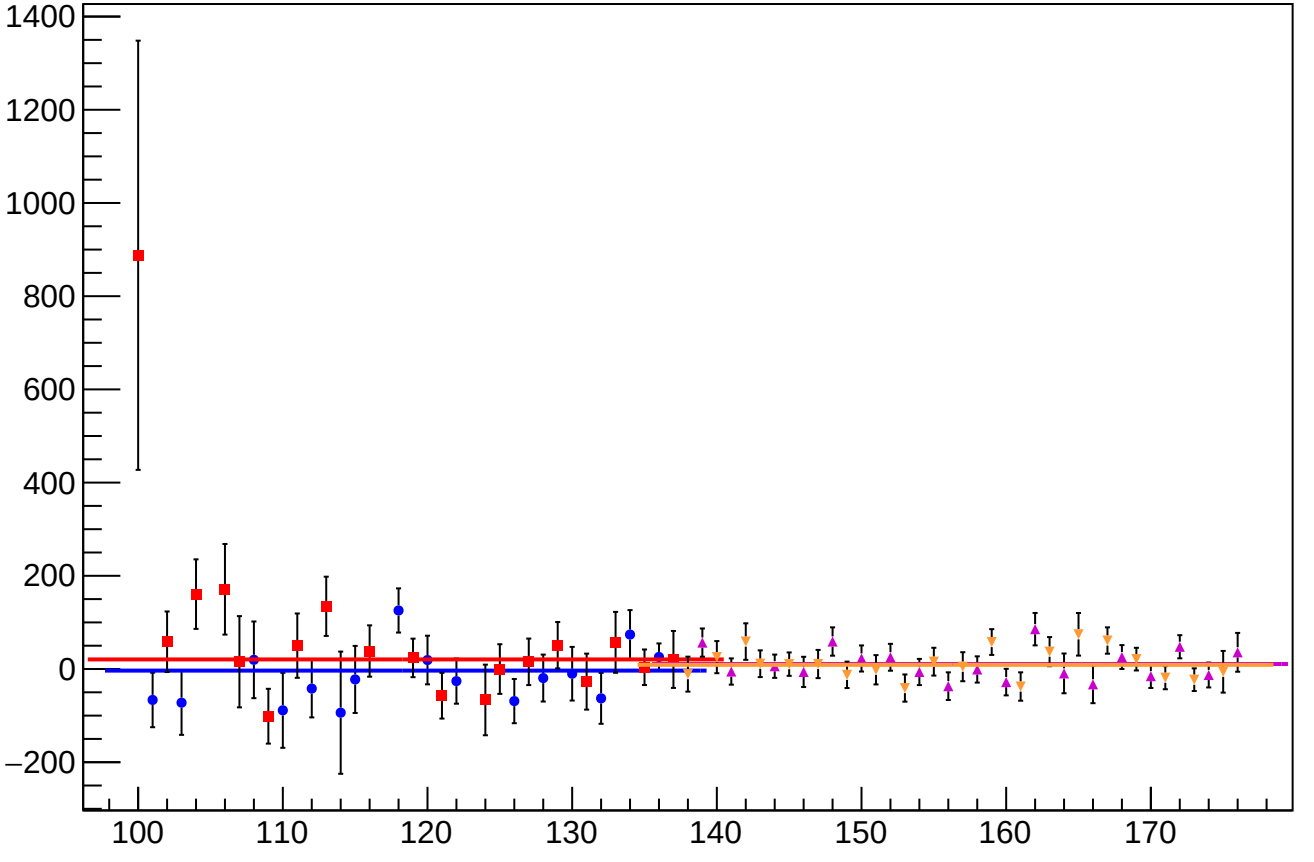
Left In: 172.271+/-0.032 χ^2/NDF:1406333.1/18

+ sign 192.149+/-0.030 χ^2/NDF: 5737528.9/35

All: 191.397+/-0.021 χ^2/NDF: 11953469.2/73

- sign 190.644+/-0.030 χ^2/NDF: 6214708.2/37

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 9.004+/-6.694 χ^2/NDF:20.9/19

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

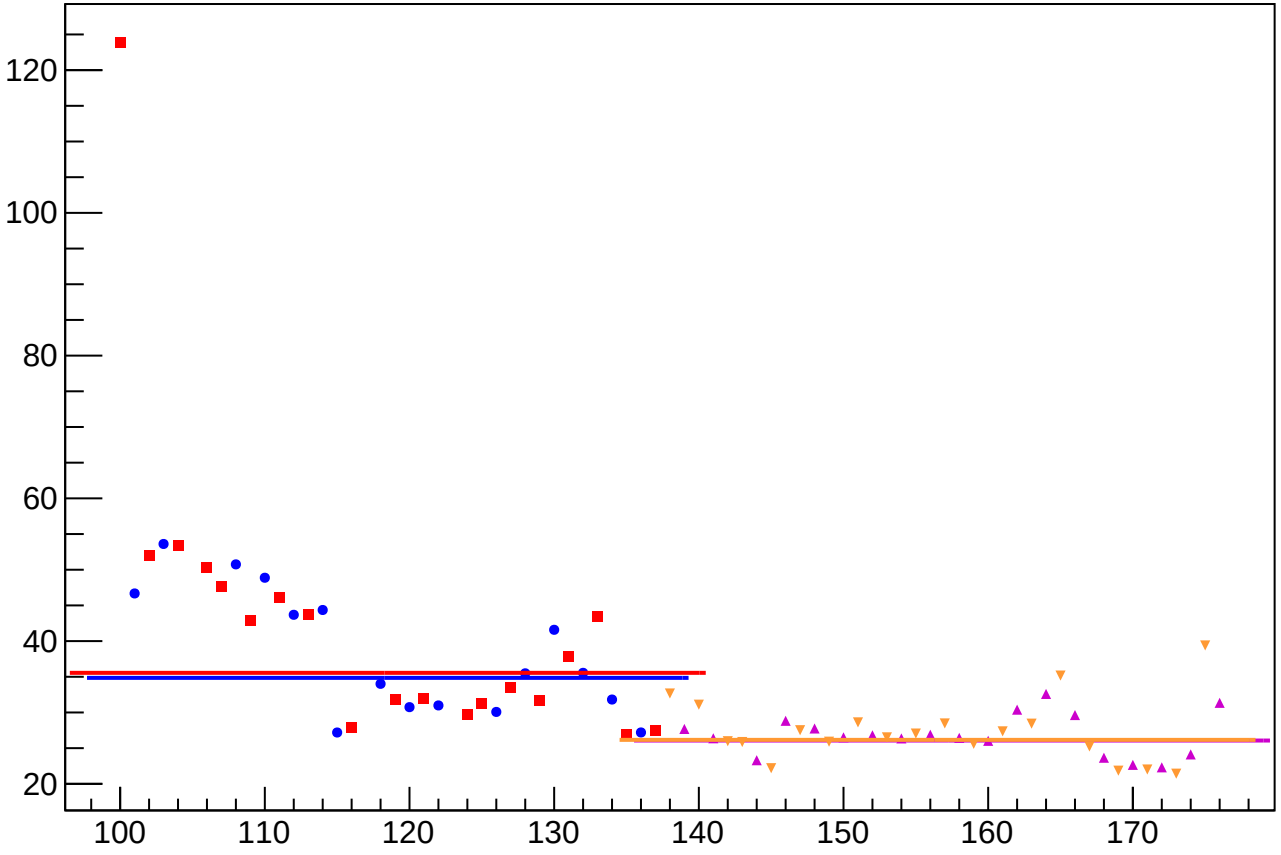
Left In: 10.751+/-6.739 χ^2/NDF:21.6/18

+ sign 6.520+/-5.987 χ^2/NDF: 40.0/35

All: 9.597+/-4.248 χ^2/NDF: 85.8/73

- sign 12.715+/-6.027 χ^2/NDF: 45.2/37

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.162+/-0.005 χ^2/NDF:644188.1/19

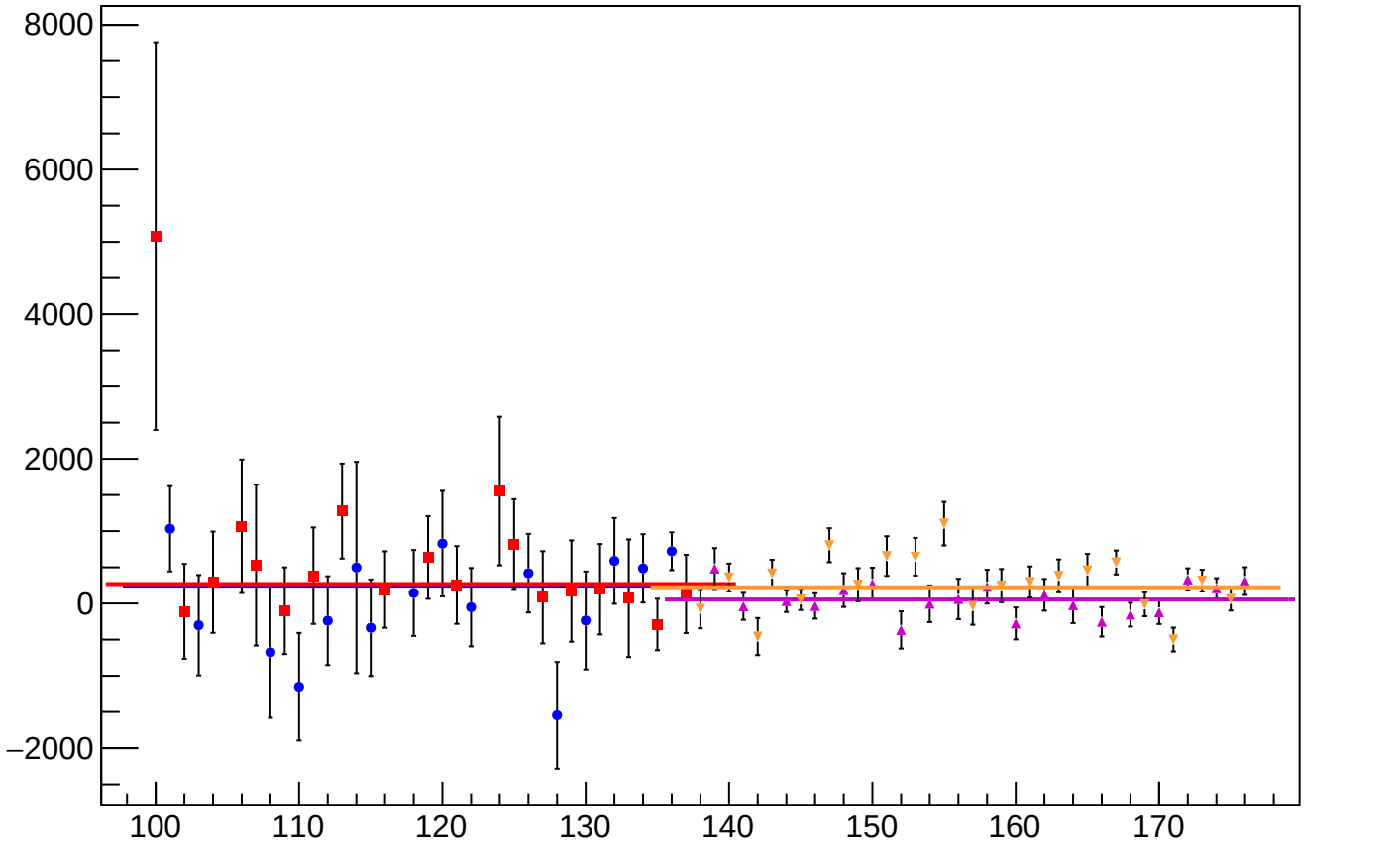
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.067+/-0.005 χ^2/NDF:290812.9/18

+ sign 27.898+/-0.004 χ^2/NDF: 1975793.1/35

All: 27.931+/-0.003 χ^2/NDF: 3839347.1/73

- sign 27.965+/-0.004 χ^2/NDF: 1863430.7/37



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 224.420+/-45.037 χ^2/NDF:60.5/19

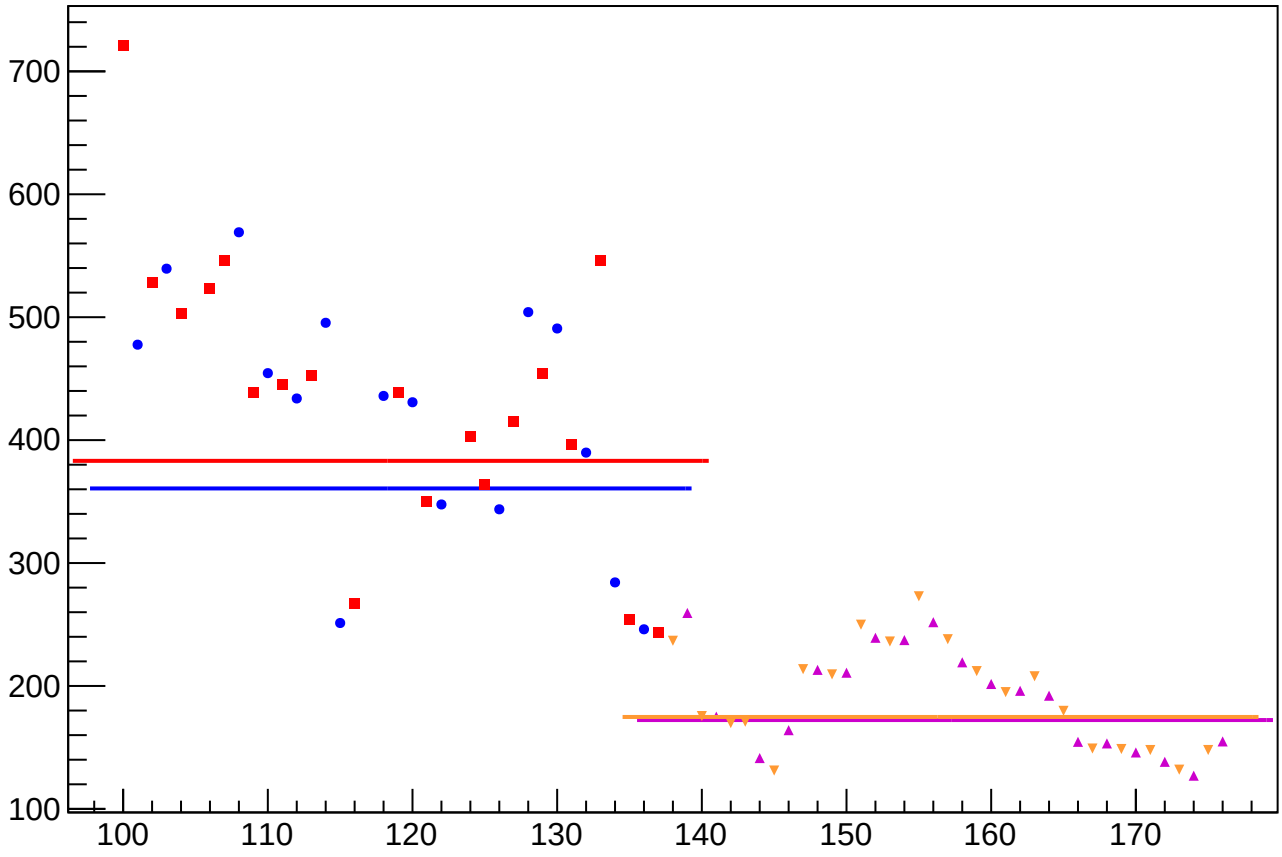
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 55.010+/-44.889 χ^2/NDF:21.2/18

+ sign 226.484+/-42.881 χ^2/NDF: 80.3/35

All: 150.079+/-30.324 χ^2/NDF: 122.5/73

- sign 73.648+/-42.889 χ^2/NDF: 35.8/37



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 174.775+/-0.032 χ^2/NDF:1459858.0/19

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

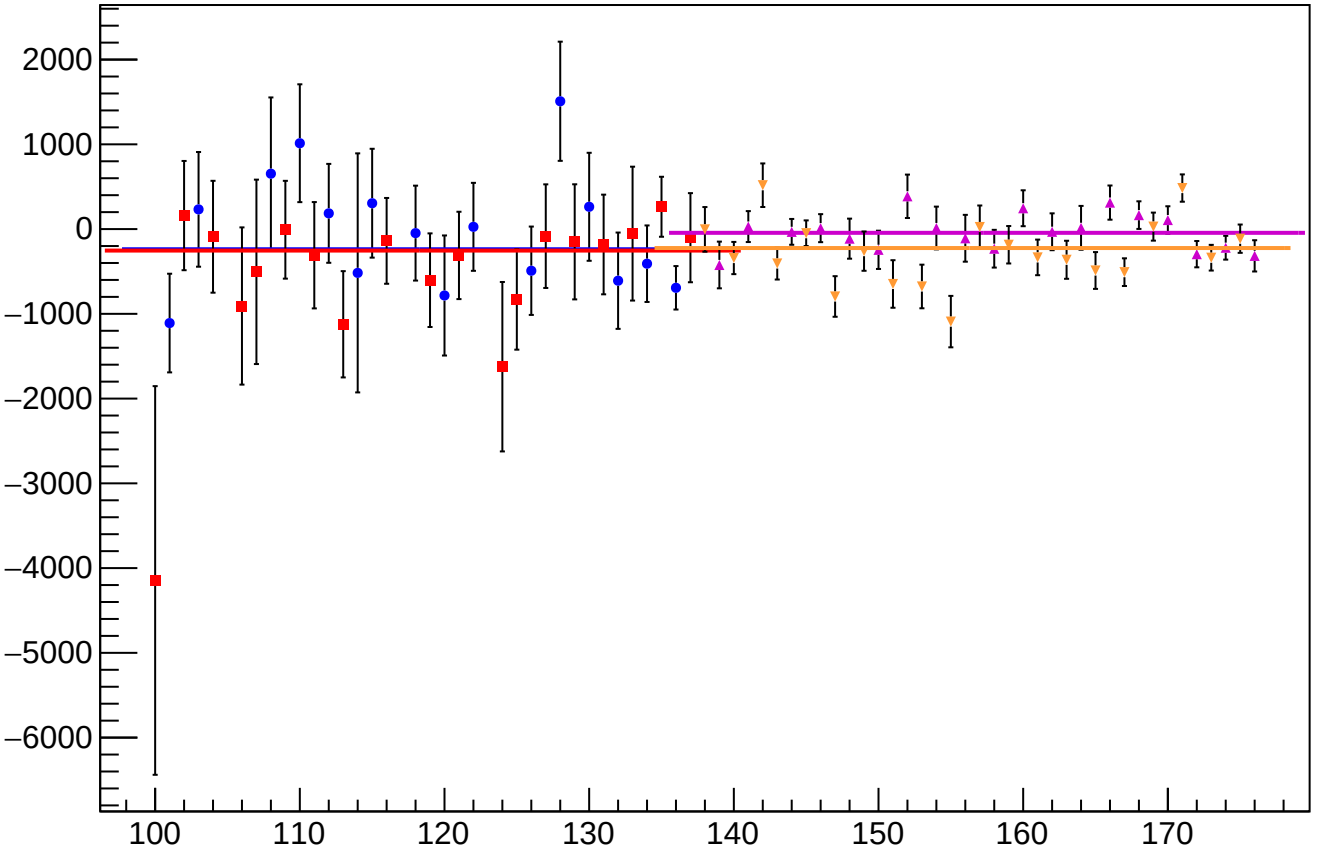
Left In: 172.271+/-0.032 χ^2/NDF:1406347.1/18

+ sign 192.149+/-0.030 χ^2/NDF: 5737541.2/35

All: 191.396+/-0.021 χ^2/NDF: 11953497.0/73

- sign 190.644+/-0.030 χ^2/NDF: 6214723.6/37

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -223.691+/-44.940 χ^2/NDF:59.7/19

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

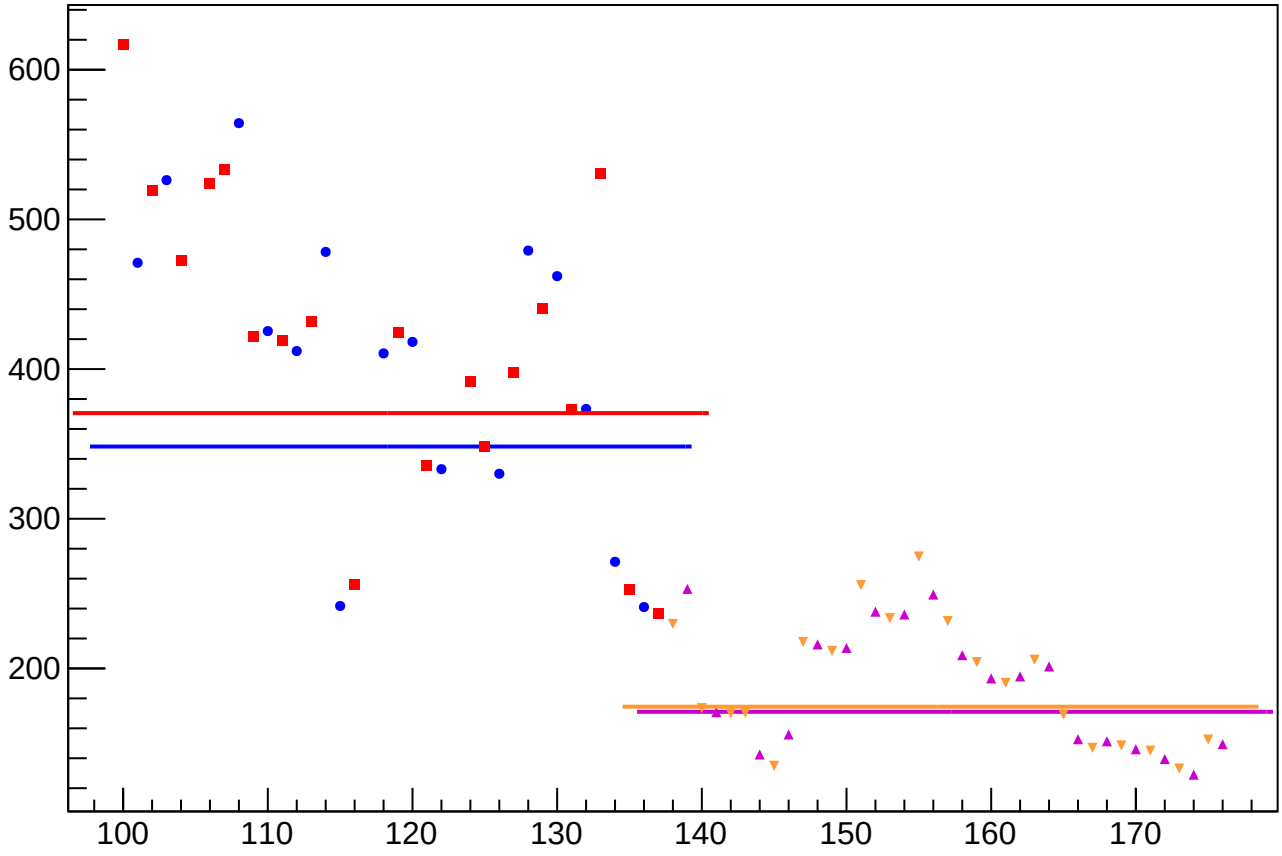
Left In: -44.193+/-44.508 χ^2/NDF:20.6/18

+ sign -225.116+/-42.651 χ^2/NDF: 79.7/35

All: -143.783+/-30.079 χ^2/NDF: 121.3/73

- sign -63.298+/-42.428 χ^2/NDF: 34.3/37

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 174.447+/-0.032 χ^2/NDF:1380132.9/19

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

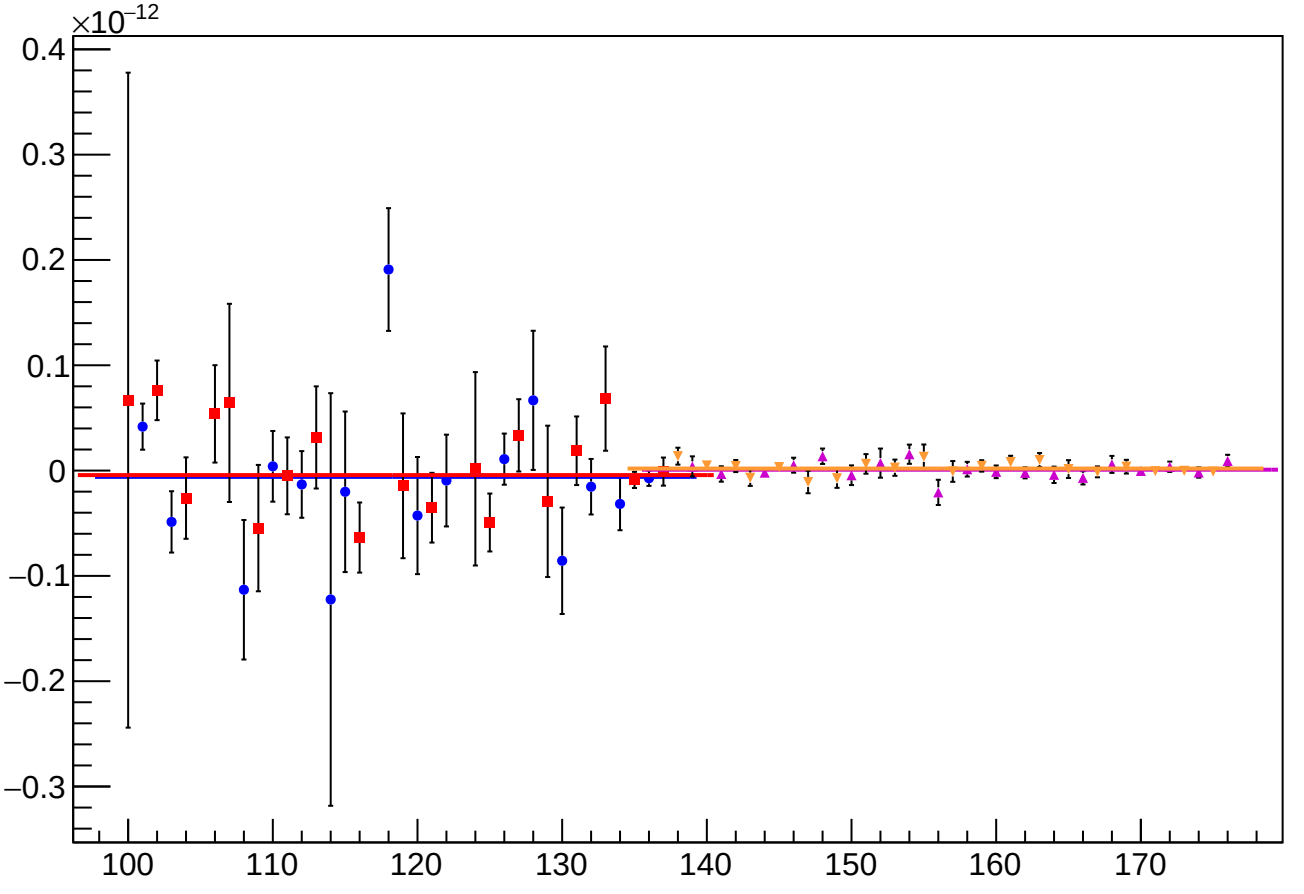
Left In: 171.033+/-0.031 χ^2/NDF:1351406.9/18

+ sign 191.706+/-0.030 χ^2/NDF: 5407450.2/35

All: 190.473+/-0.021 χ^2/NDF: 11350741.0/73

- sign 189.253+/-0.030 χ^2/NDF: 5939965.6/37

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/19

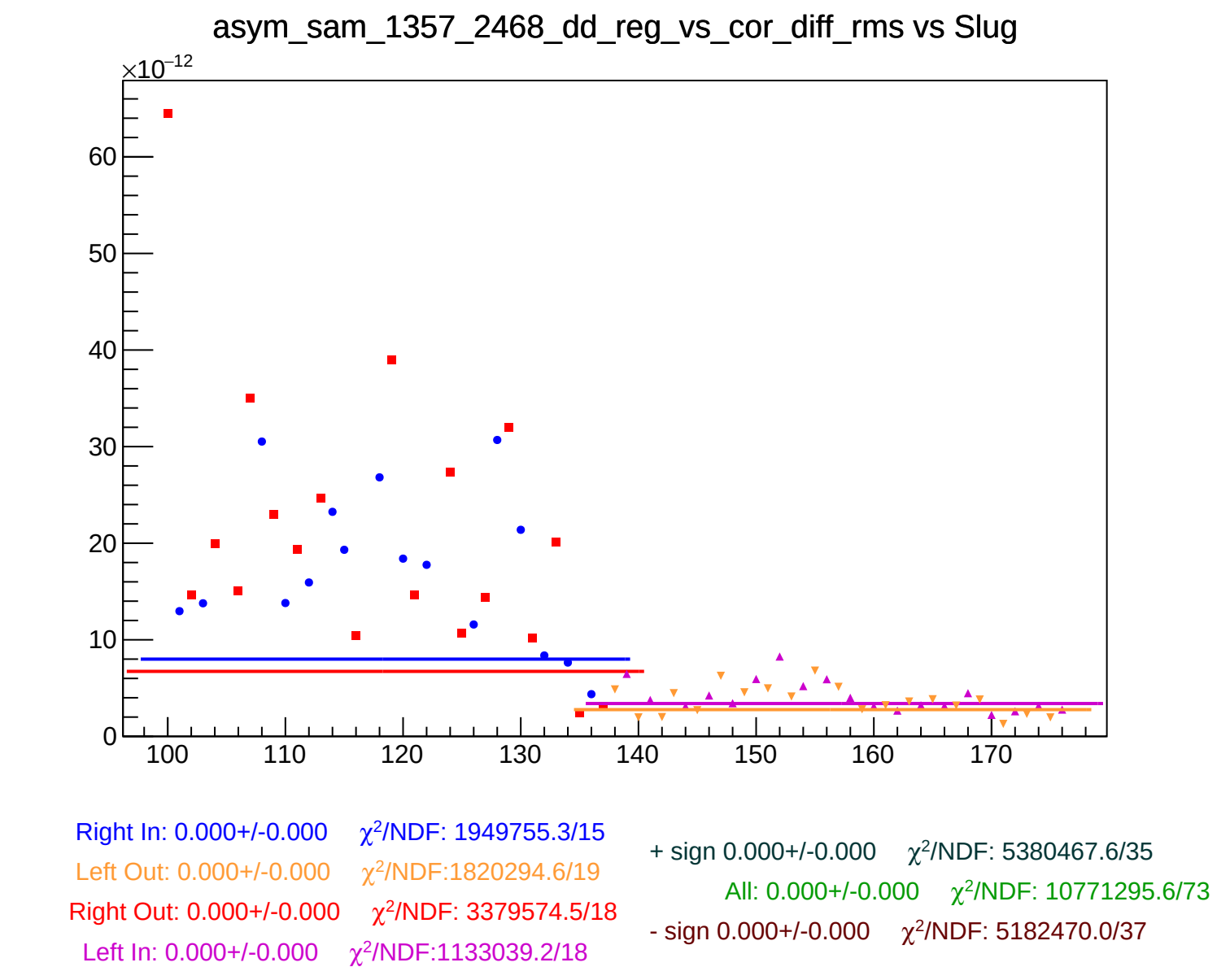
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

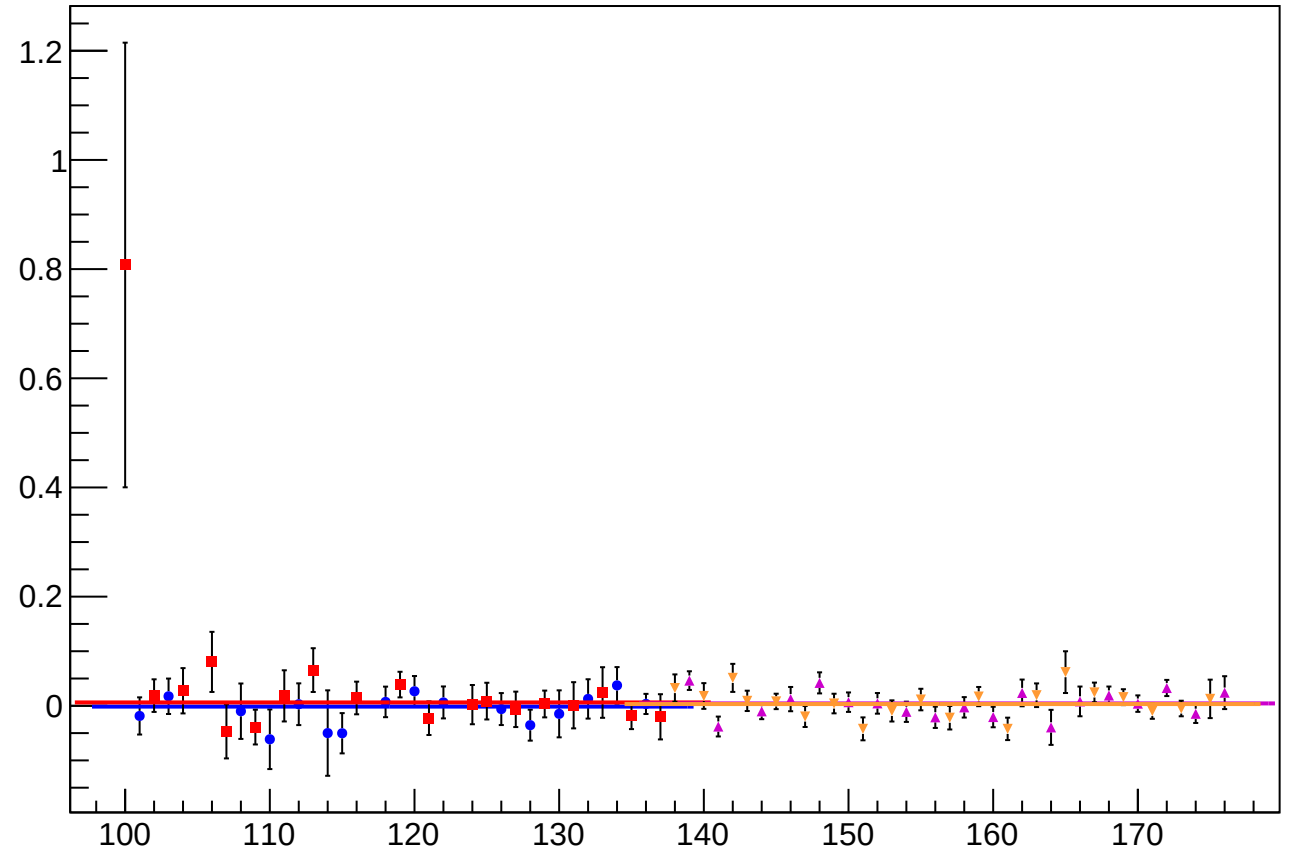
Left In: 0.000+/-0.000 χ^2/NDF:16.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/35

All: 0.000+/-0.000 χ^2/NDF: 81.8/73

- sign 0.000+/-0.000 χ^2/NDF: 39.7/37


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1820294.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:1133039.2/18
+ sign 0.000+/-0.000 χ²/NDF: 5380467.6/35
All: 0.000+/-0.000 χ²/NDF: 10771295.6/73
- sign 0.000+/-0.000 χ²/NDF: 5182470.0/37



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

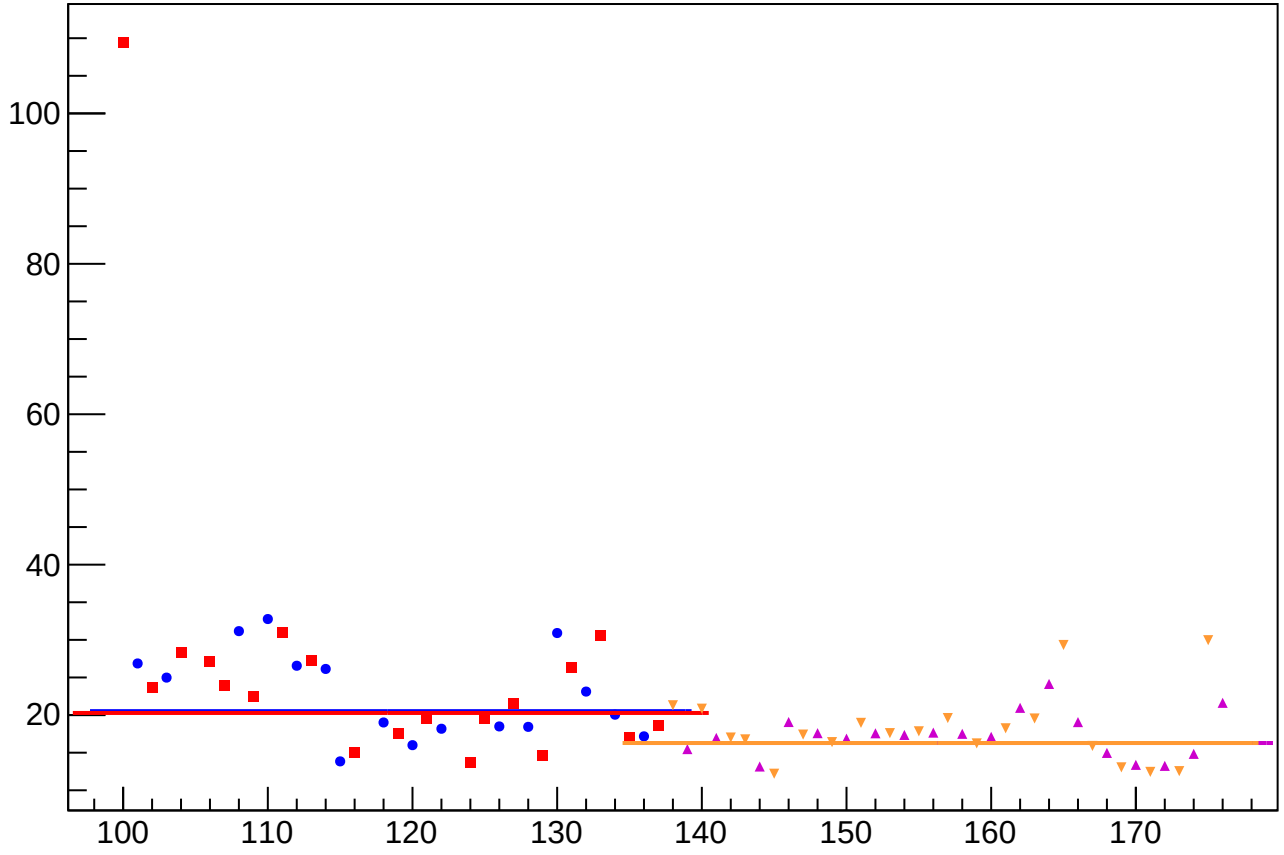
Left In: 0.004+/-0.004 χ^2/NDF:29.2/18

+ sign 0.002+/-0.004 χ^2/NDF: 33.8/35

All: 0.003+/-0.003 χ^2/NDF: 79.5/73

- sign 0.005+/-0.004 χ^2/NDF: 45.5/37

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413137.4/19

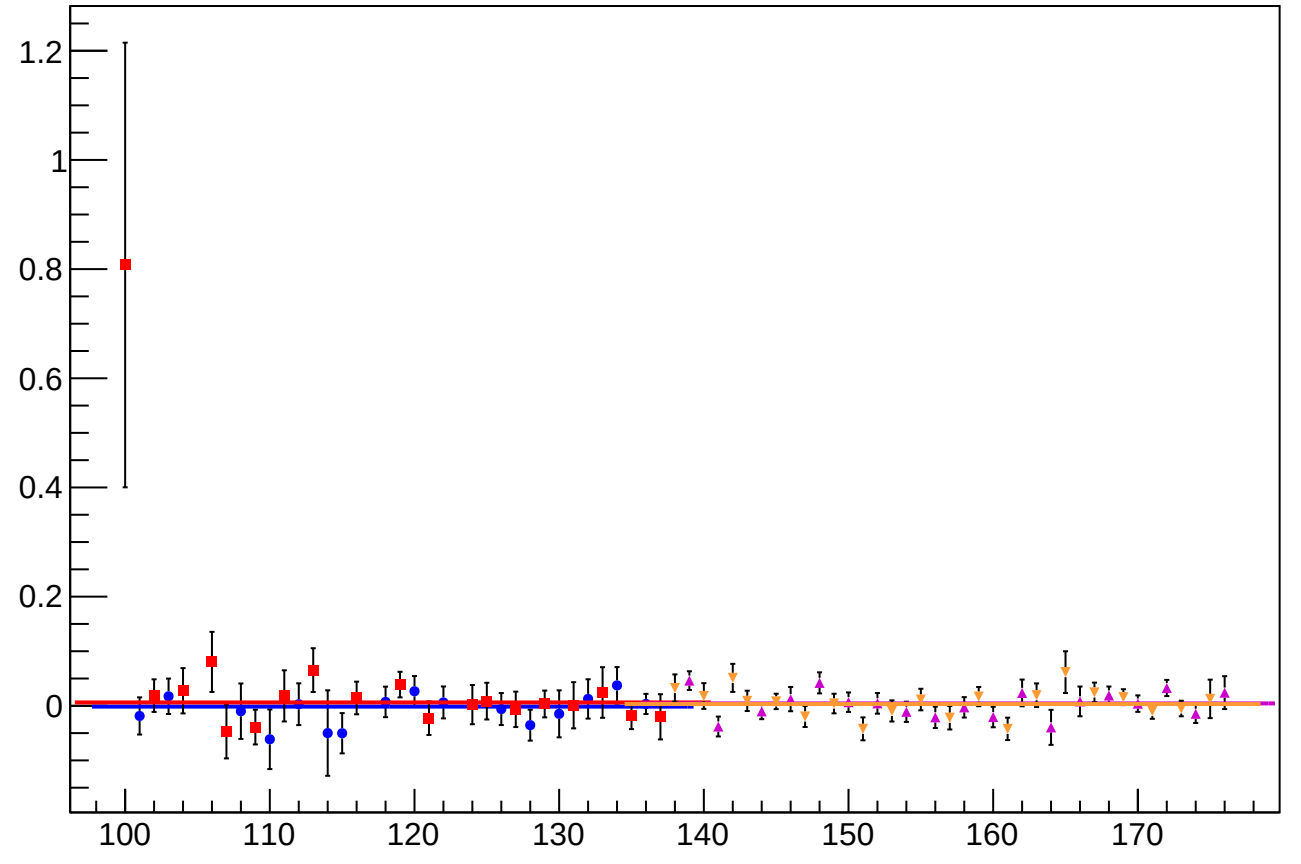
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.285+/-0.003 χ^2/NDF:645214.7/18

\+ sign 17.211+/-0.003 χ^2/NDF: 2550652.2/35

All: 17.204+/-0.002 χ^2/NDF: 4456903.7/73

\- sign 17.197+/-0.003 χ^2/NDF: 1906237.0/37



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

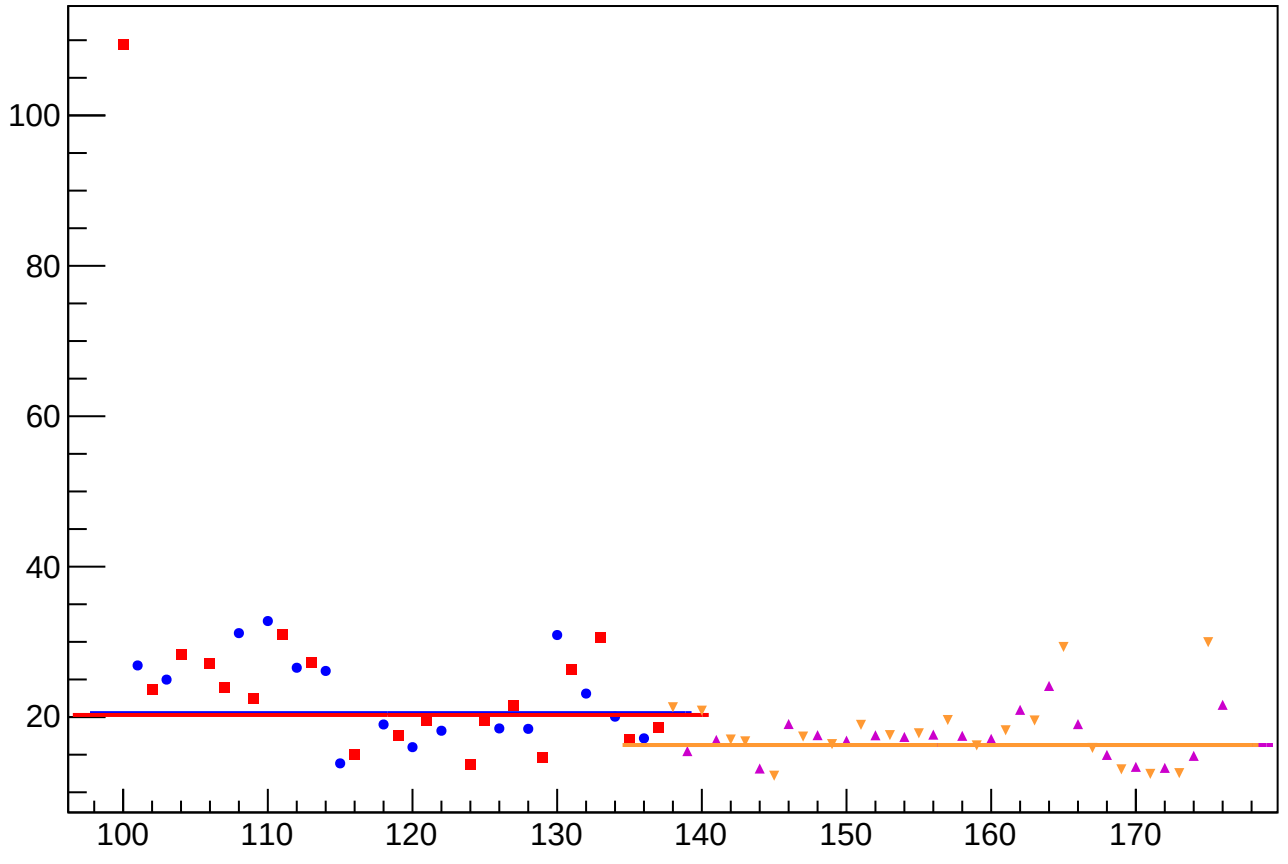
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.004+/-0.004 χ^2/NDF:29.2/18

+ sign 0.002+/-0.004 χ^2/NDF: 33.8/35

All: 0.003+/-0.003 χ^2/NDF: 79.5/73

- sign 0.005+/-0.004 χ^2/NDF: 45.5/37



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413137.4/19

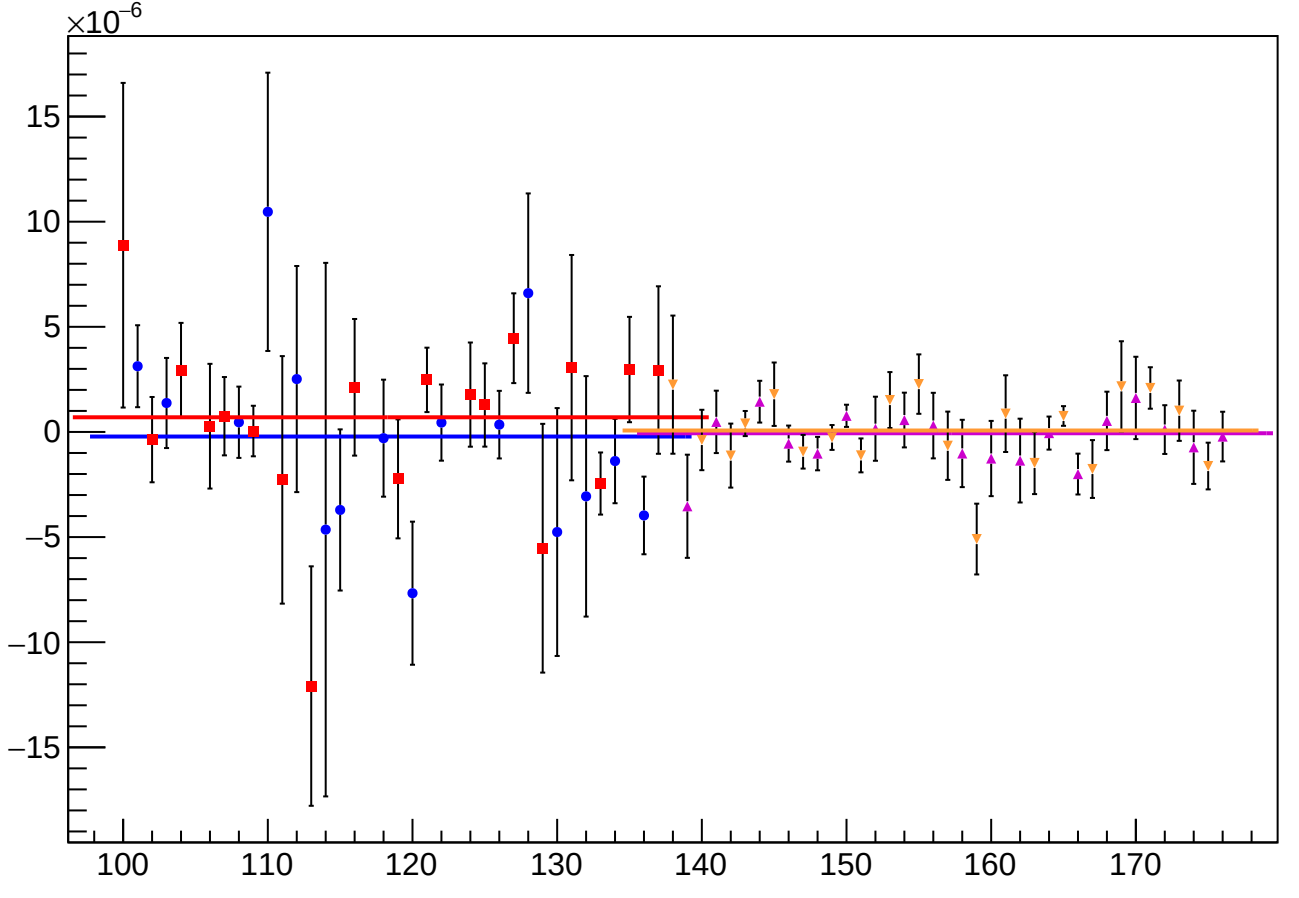
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.285+/-0.003 χ^2/NDF:645214.7/18

\+ sign 17.211+/-0.003 χ^2/NDF: 2550652.2/35

All: 17.204+/-0.002 χ^2/NDF: 4456903.7/73

\- sign 17.197+/-0.003 χ^2/NDF: 1906237.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/19

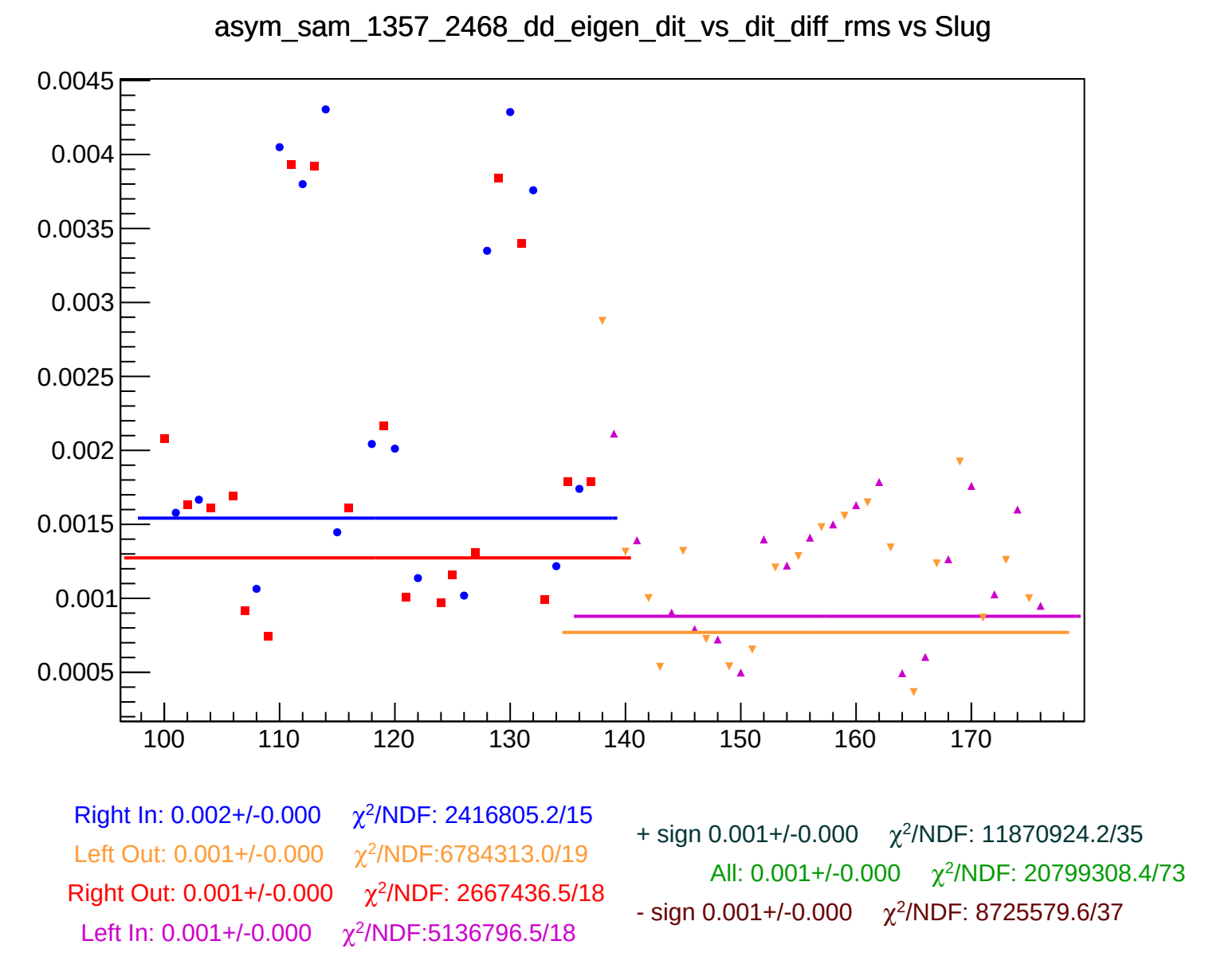
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

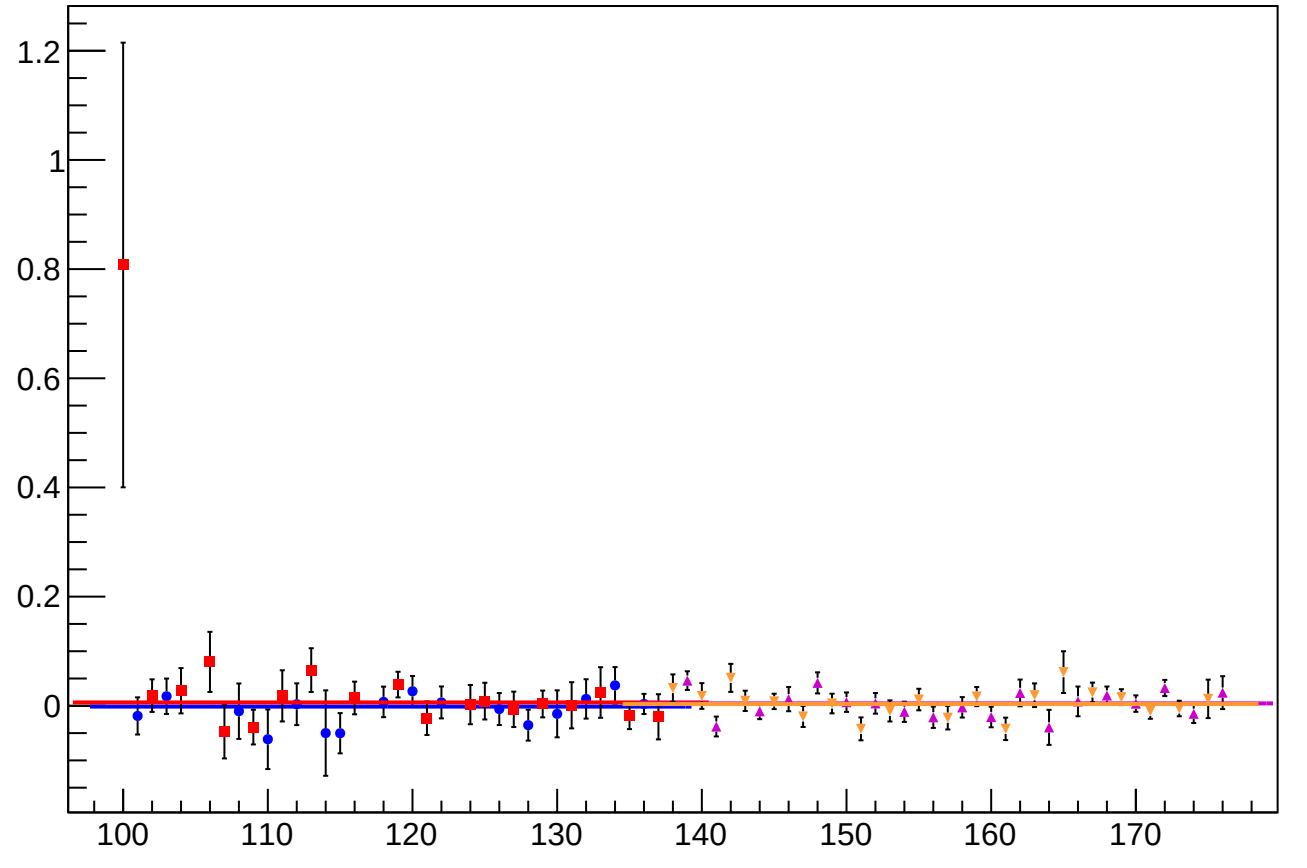
Left In: -0.000+/-0.000 χ^2/NDF:15.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 53.3/35

All: 0.000+/-0.000 χ^2/NDF: 91.4/73

- sign 0.000+/-0.000 χ^2/NDF: 38.0/37


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6784313.0/19
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:5136796.5/18
+ sign 0.001+/-0.000 χ²/NDF: 11870924.2/35
All: 0.001+/-0.000 χ²/NDF: 20799308.4/73
- sign 0.001+/-0.000 χ²/NDF: 8725579.6/37



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

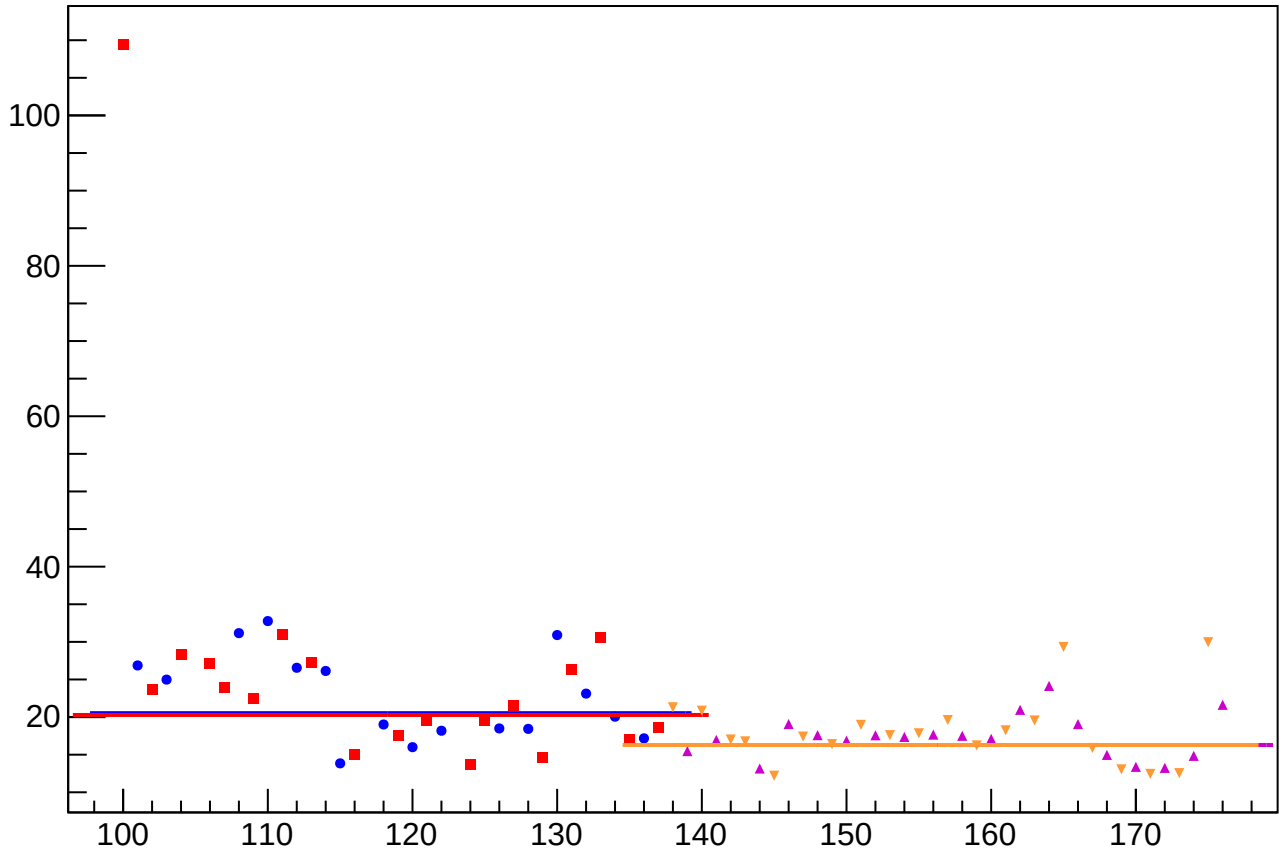
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.004+/-0.004 χ^2/NDF:29.2/18

+ sign 0.002+/-0.004 χ^2/NDF: 33.8/35

All: 0.003+/-0.003 χ^2/NDF: 79.5/73

- sign 0.005+/-0.004 χ^2/NDF: 45.5/37



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413095.8/19

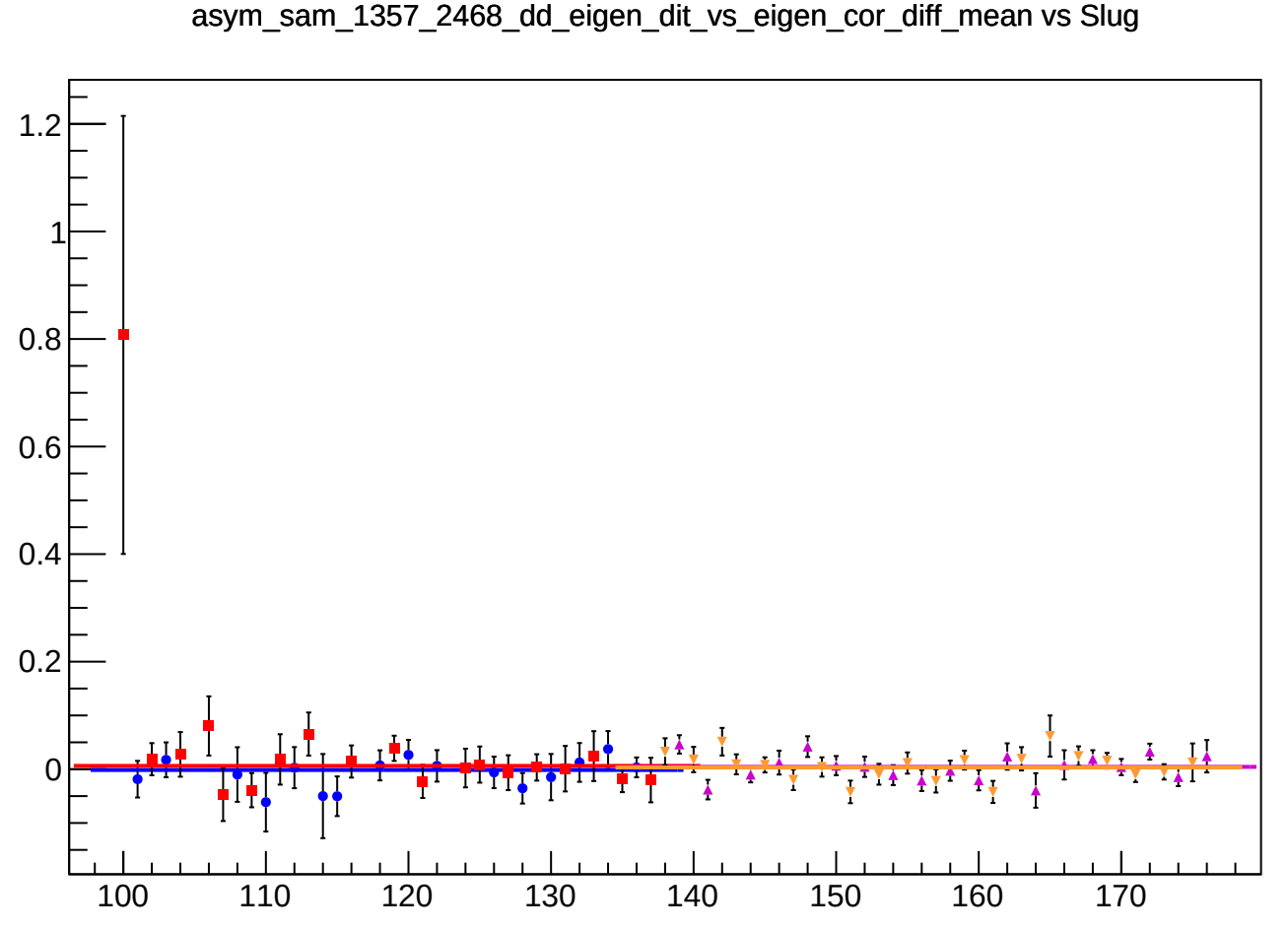
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.285+/-0.003 χ^2/NDF:645230.4/18

\+ sign 17.211+/-0.003 χ^2/NDF: 2550353.7/35

All: 17.204+/-0.002 χ^2/NDF: 4456483.9/73

\- sign 17.197+/-0.003 χ^2/NDF: 1906115.5/37



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

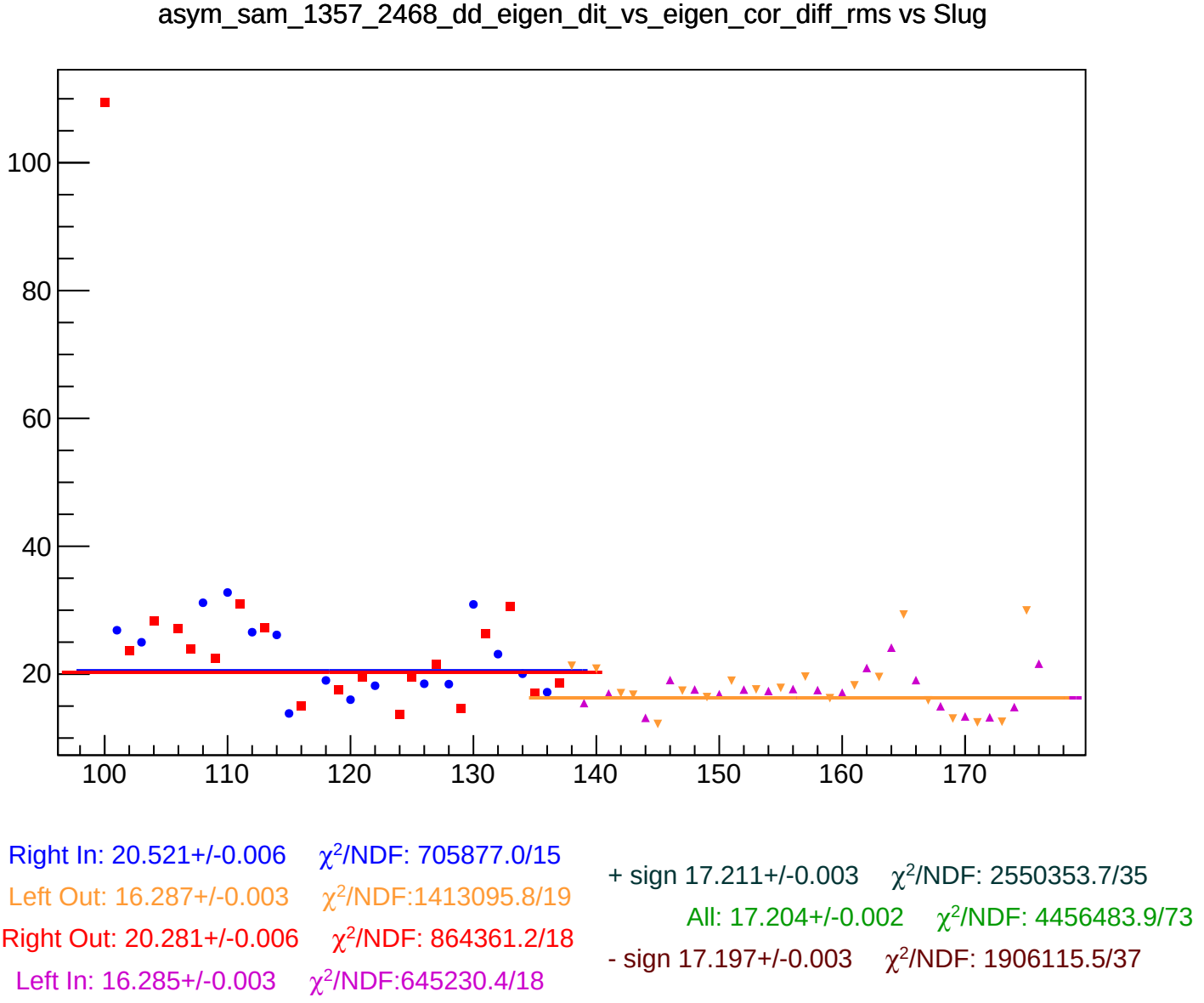
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

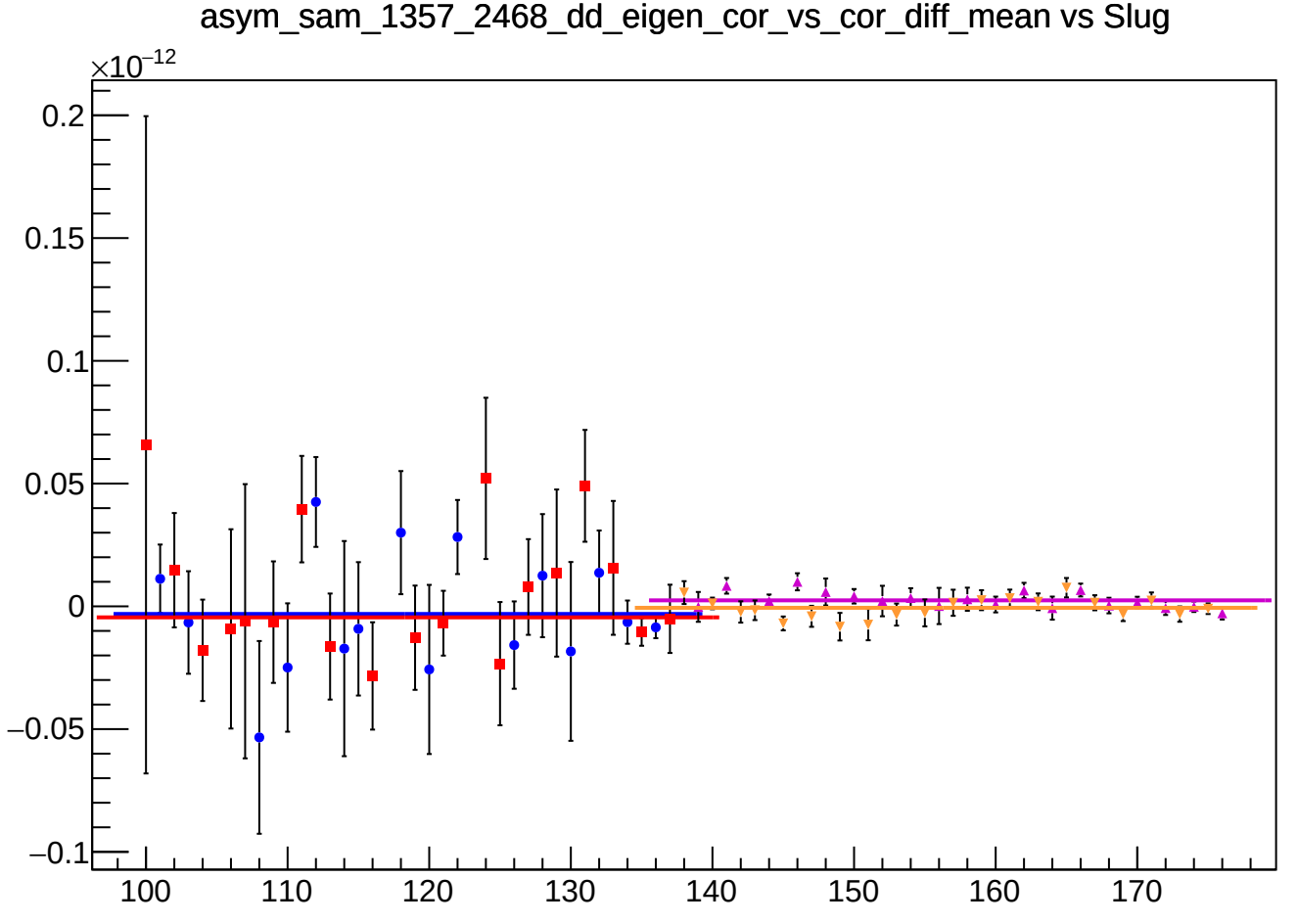
Left In: 0.004+/-0.004 χ^2/NDF:29.2/18

+ sign 0.002+/-0.004 χ^2/NDF: 33.8/35

All: 0.003+/-0.003 χ^2/NDF: 79.5/73

- sign 0.005+/-0.004 χ^2/NDF: 45.5/37


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
110
120
130
140
150
160
170
Right In: 20.521+/-0.006 χ²/NDF: 705877.0/15
Left Out: 16.287+/-0.003 χ²/NDF:1413095.8/19
Right Out: 20.281+/-0.006 χ²/NDF: 864361.2/18
Left In: 16.285+/-0.003 χ²/NDF:645230.4/18
+ sign 17.211+/-0.003 χ²/NDF: 2550353.7/35
All: 17.204+/-0.002 χ²/NDF: 4456483.9/73
- sign 17.197+/-0.003 χ²/NDF: 1906115.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/19

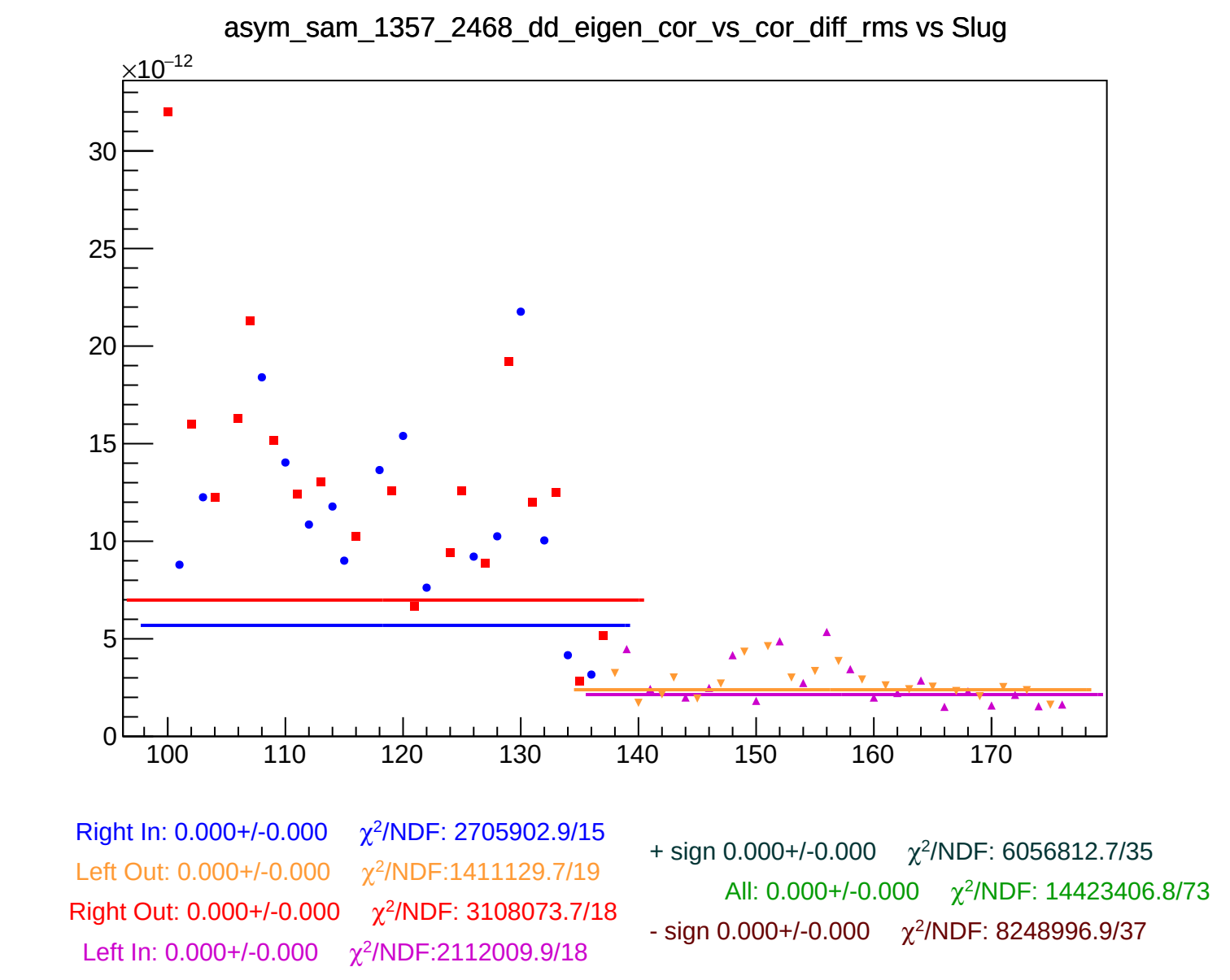
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:21.9/18

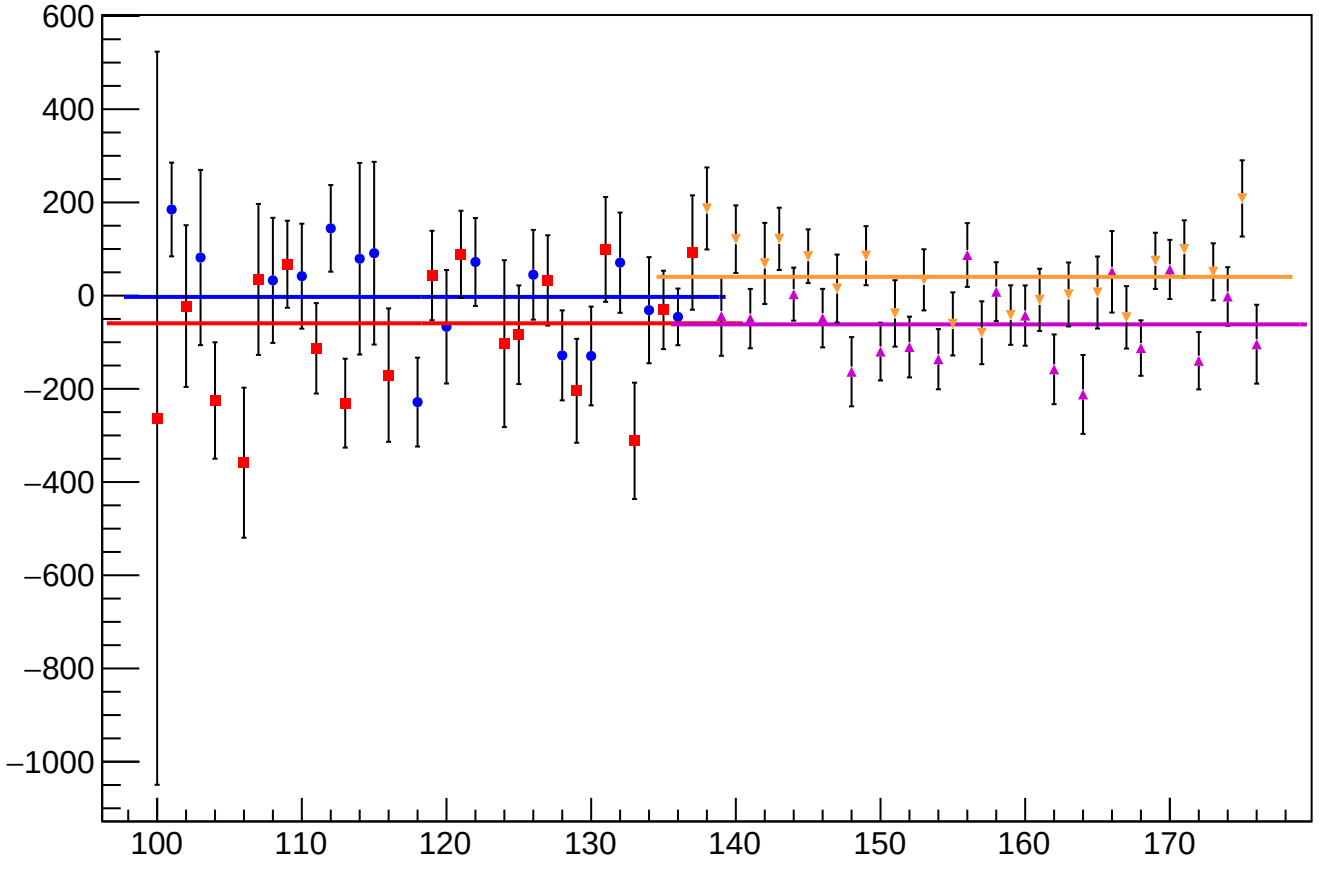
+ sign -0.000+/-0.000 χ^2/NDF: 41.9/35

All: 0.000+/-0.000 χ^2/NDF: 93.1/73

- sign 0.000+/-0.000 χ^2/NDF: 43.6/37


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1411129.7/19
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:2112009.9/18
+ sign 0.000+/-0.000 χ²/NDF: 6056812.7/35
All: 0.000+/-0.000 χ²/NDF: 14423406.8/73
- sign 0.000+/-0.000 χ²/NDF: 8248996.9/37

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 40.277+/-15.235 χ^2/NDF:23.3/19

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

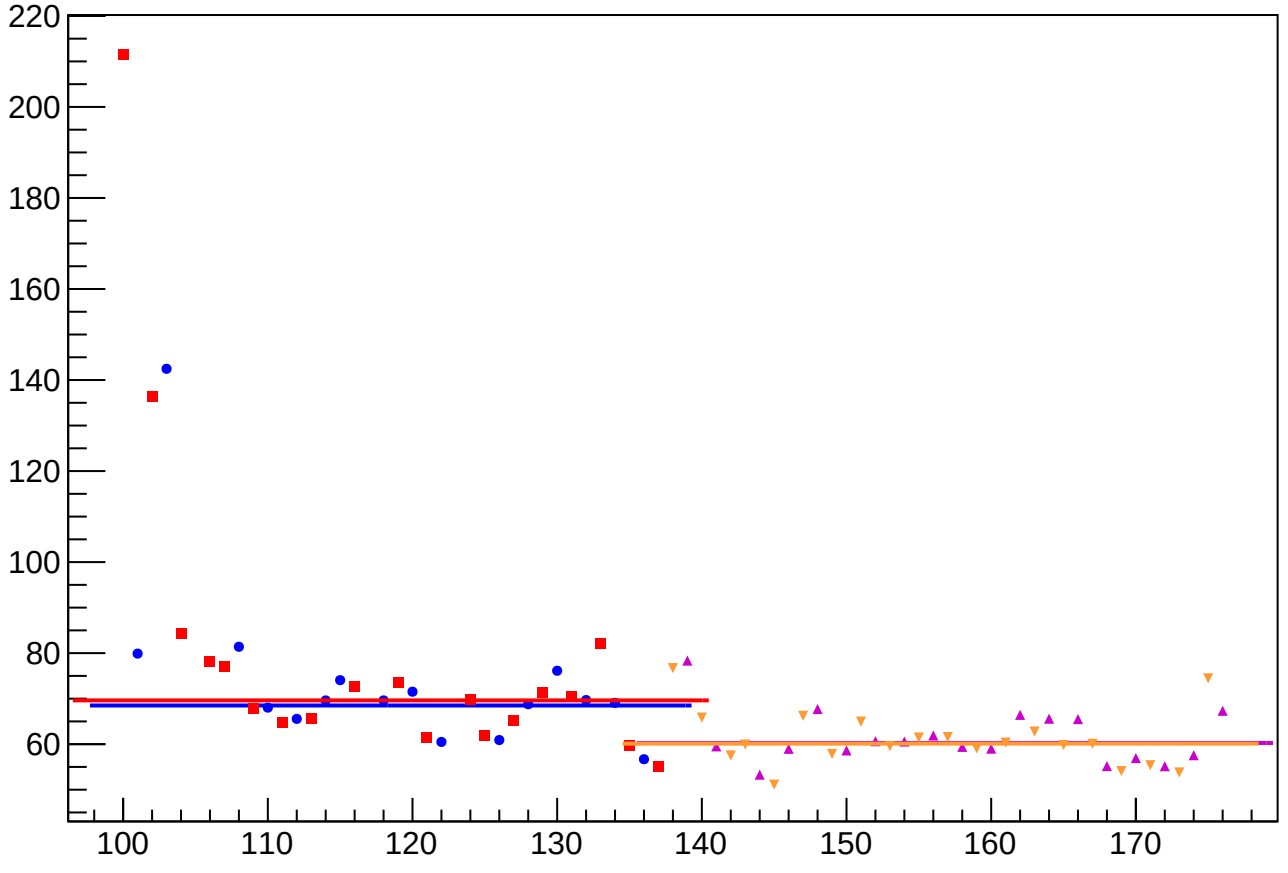
Left In: -61.698+/-15.427 χ^2/NDF:25.5/18

+ sign 29.409+/-13.172 χ^2/NDF: 43.1/35

All: -15.350+/-9.365 χ^2/NDF: 117.7/73

- sign -61.100+/-13.317 χ^2/NDF: 51.3/37

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.118+/-0.011 χ^2/NDF:280119.6/19

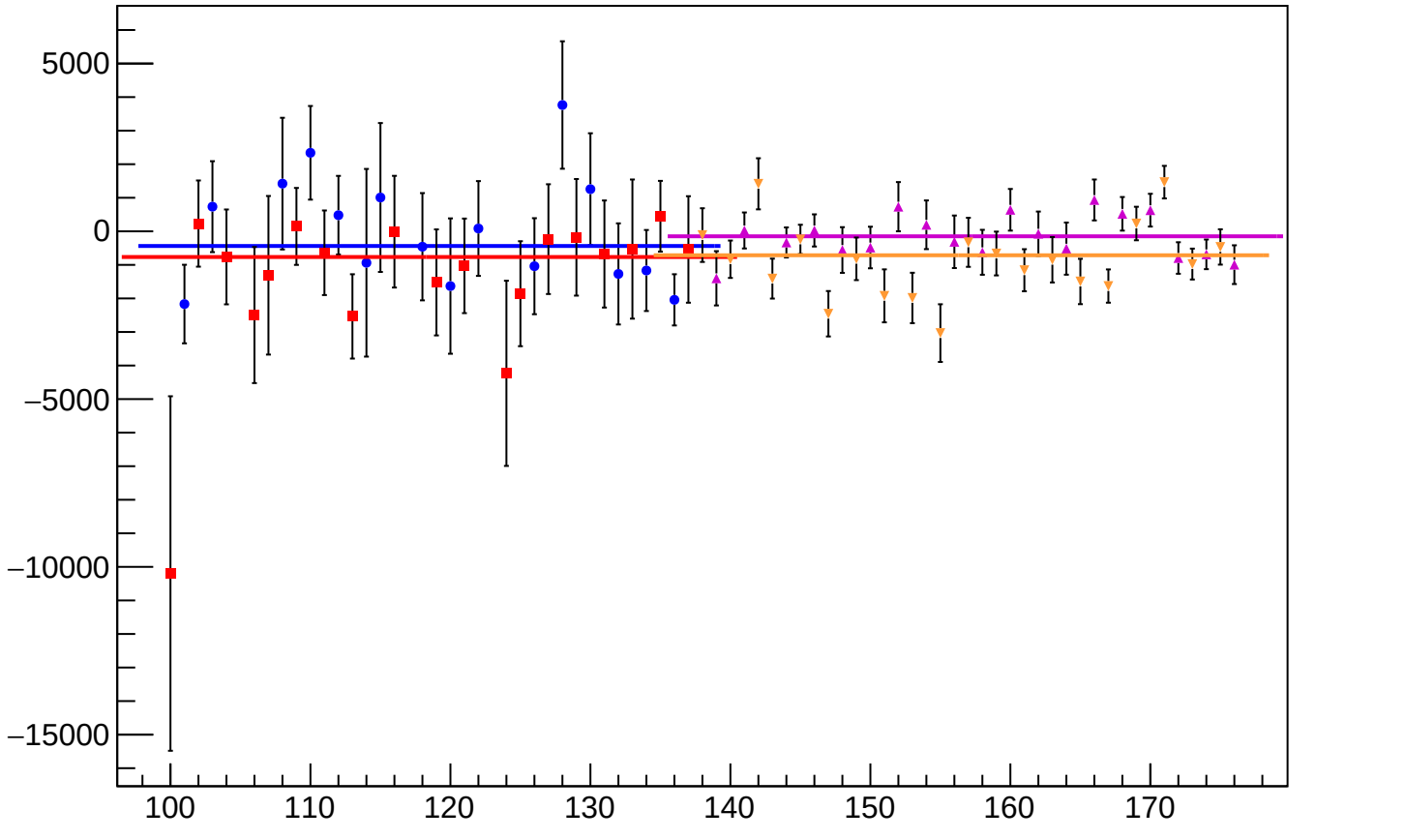
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.264+/-0.011 χ^2/NDF:225107.2/18

+ sign 62.234+/-0.009 χ^2/NDF: 904813.1/35

All: 62.439+/-0.007 χ^2/NDF: 1838717.1/73

- sign 62.648+/-0.009 χ^2/NDF: 932925.8/37



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -713.433+/-133.889 χ^2/NDF:60.0/19

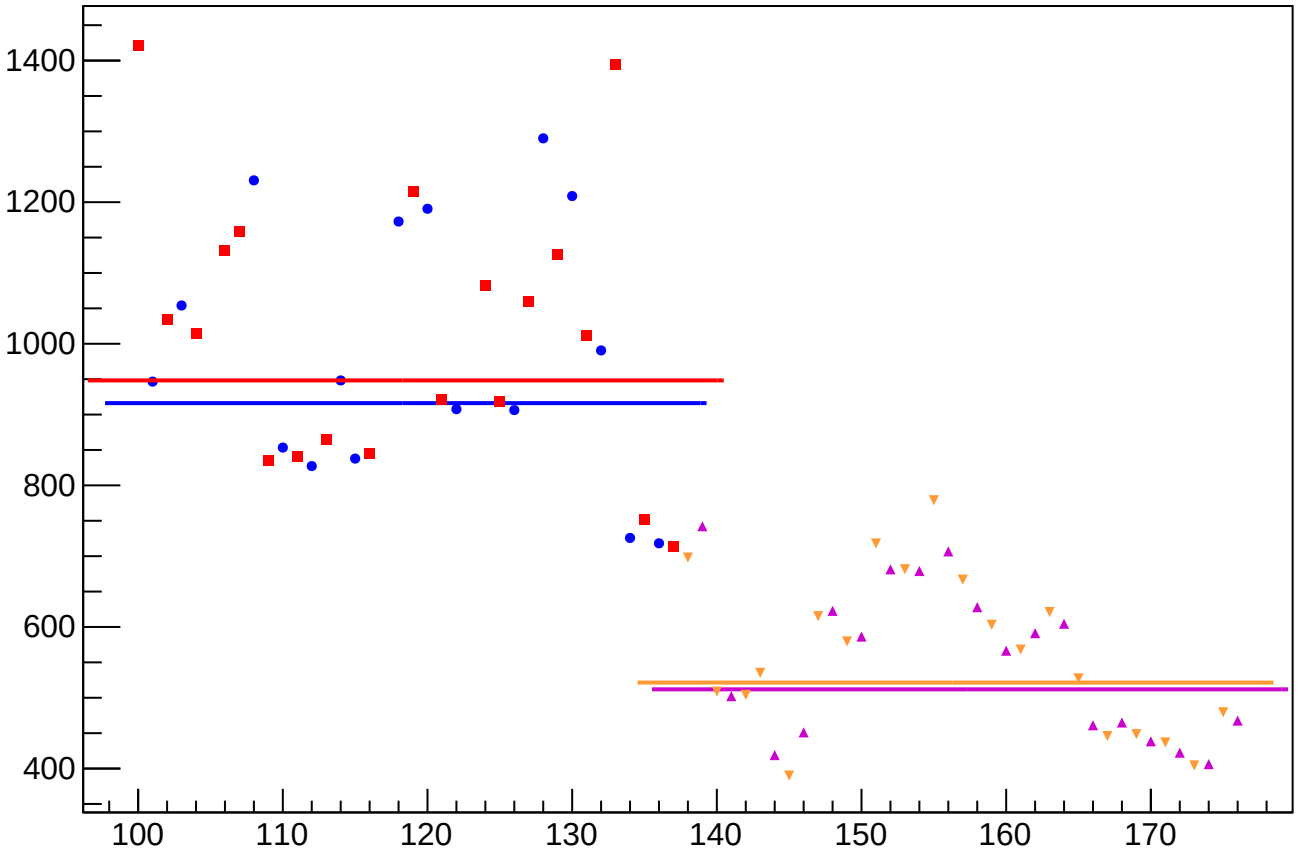
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -148.340+/-132.680 χ^2/NDF:20.5/18

\+ sign -678.003+/-125.000 χ^2/NDF: 81.1/35

All: -449.892+/-88.104 χ^2/NDF: 122.3/73

\- sign -224.696+/-124.199 χ^2/NDF: 34.5/37



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 521.470+/-0.095 χ^2/NDF:1188683.9/19

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

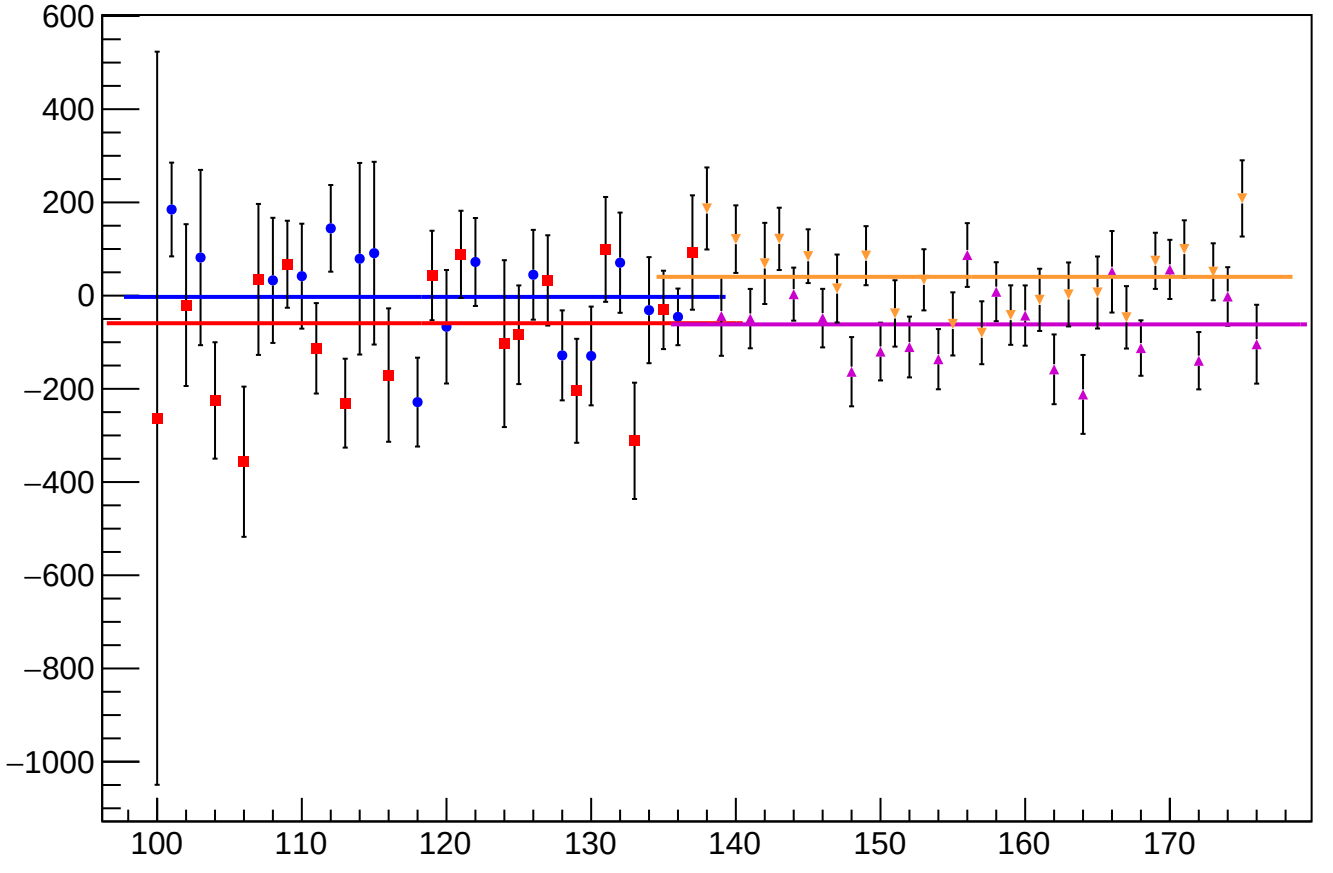
Left In: 511.906+/-0.094 χ^2/NDF:1107758.6/18

+ sign 572.139+/-0.088 χ^2/NDF: 3929044.1/35

All: 569.001+/-0.062 χ^2/NDF: 8131244.5/73

- sign 565.903+/-0.088 χ^2/NDF: 4199696.4/37

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 40.279+/-15.235 χ^2/NDF:23.4/19

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

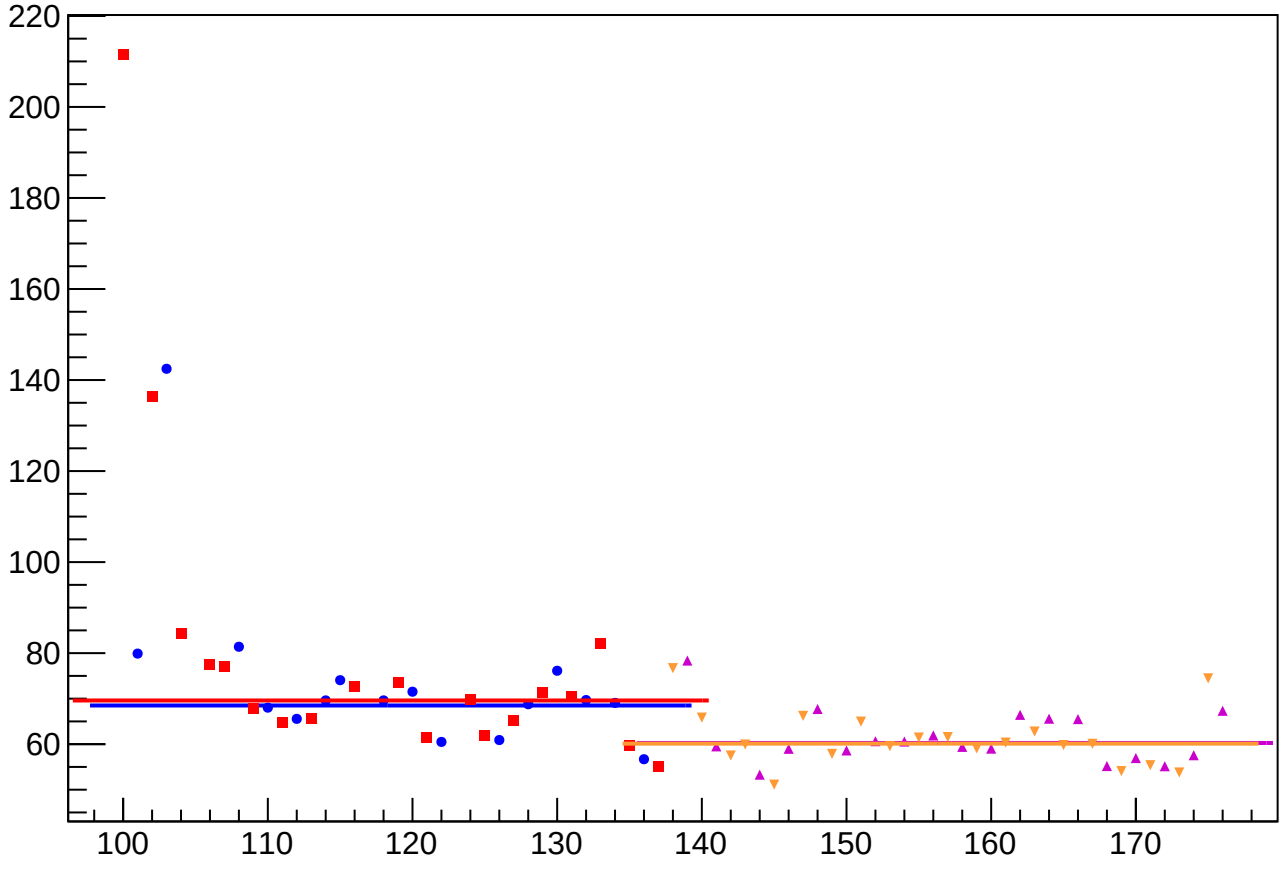
Left In: -61.698+/-15.427 χ^2/NDF:25.5/18

+ sign 29.409+/-13.172 χ^2/NDF: 43.1/35

All: -15.334+/-9.365 χ^2/NDF: 117.6/73

- sign -61.068+/-13.317 χ^2/NDF: 51.2/37

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.118+/-0.011 χ^2/NDF:280119.6/19

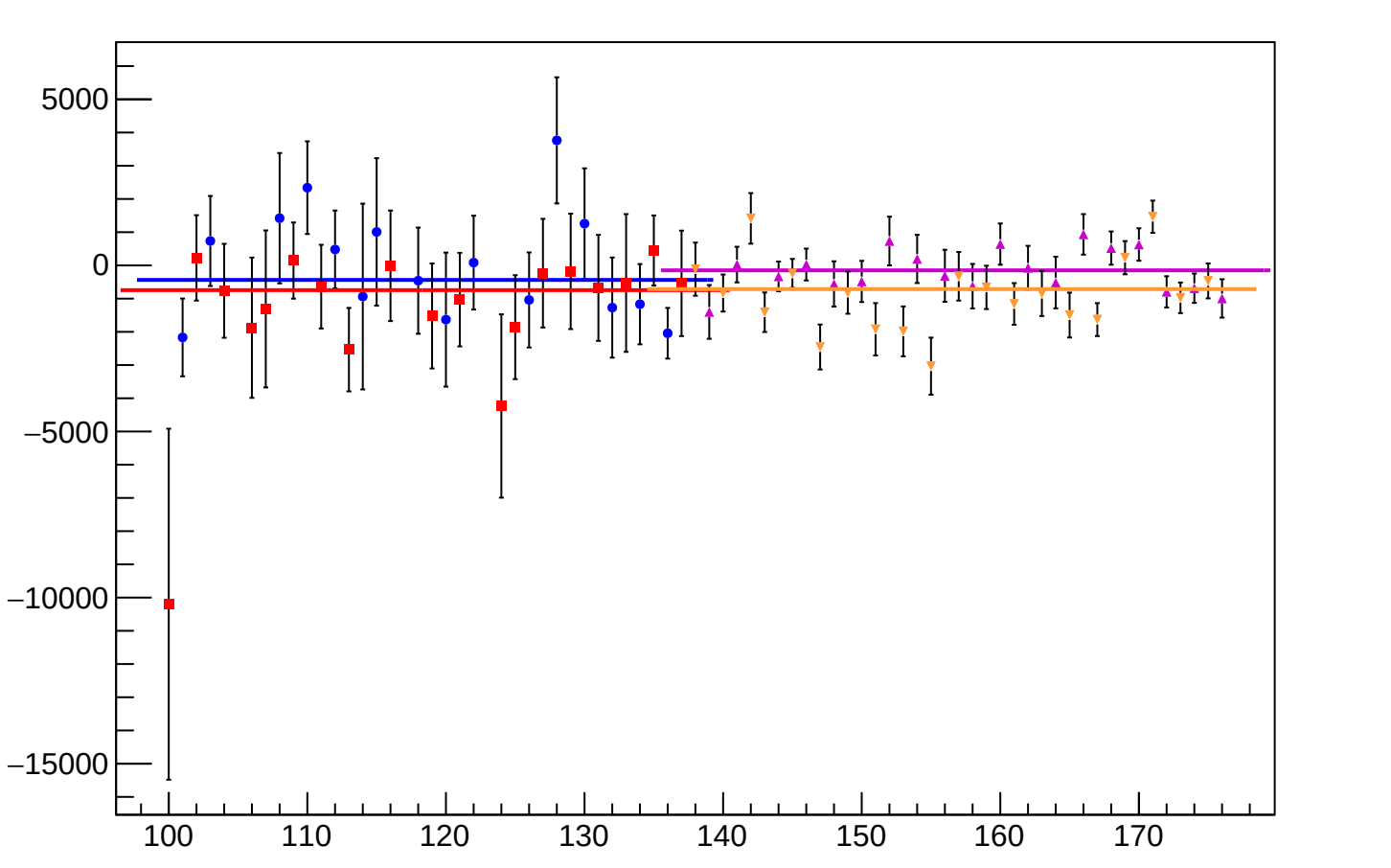
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.264+/-0.011 χ^2/NDF:225107.2/18

\+ sign 62.234+/-0.009 χ^2/NDF: 904816.1/35

All: 62.436+/-0.007 χ^2/NDF: 1837299.4/73

\- sign 62.643+/-0.009 χ^2/NDF: 931528.9/37



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -713.429+/-133.889 χ^2/NDF:60.0/19

Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

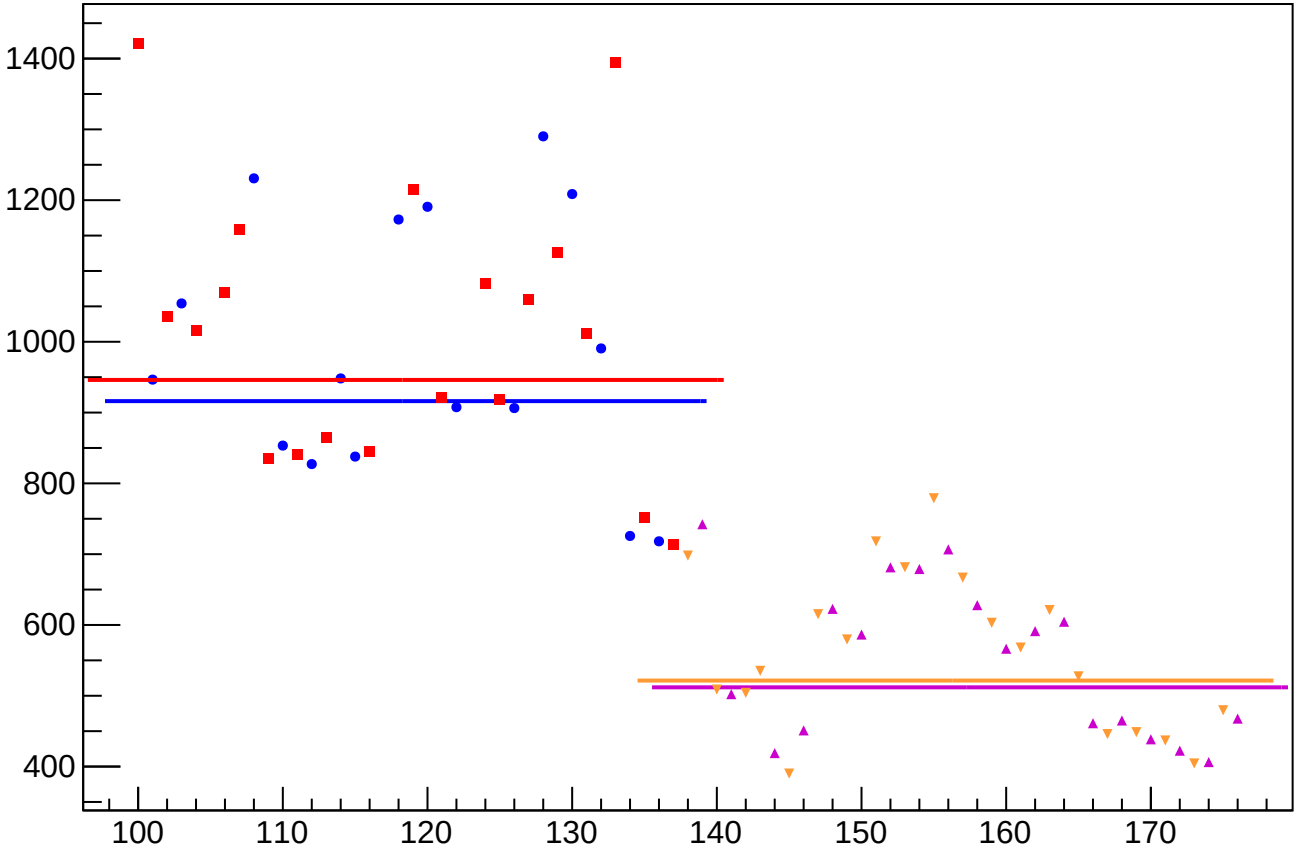
Left In: -148.341+/-132.680 χ^2/NDF:20.5/18

\+ sign -677.997+/-125.000 χ^2/NDF: 81.1/35

All: -448.539+/-88.111 χ^2/NDF: 121.7/73

\- sign -221.944+/-124.218 χ^2/NDF: 33.9/37

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 521.470+/-0.095 χ^2/NDF:1188687.8/19

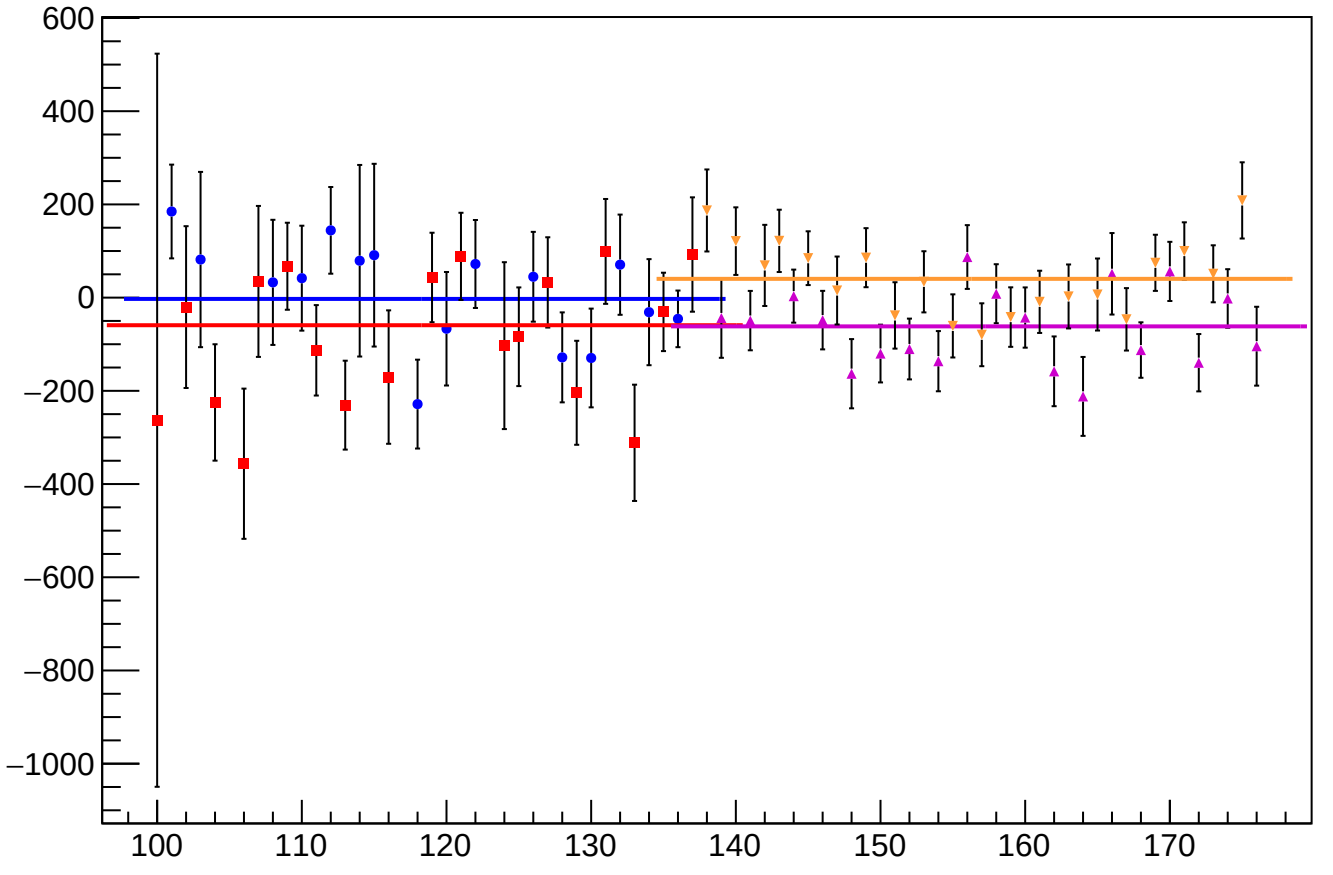
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 511.906+/-0.094 χ^2/NDF:1107757.0/18

\+ sign 572.138+/-0.088 χ^2/NDF: 3929096.9/35

All: 568.809+/-0.062 χ^2/NDF: 8089876.6/73

\- sign 565.522+/-0.088 χ^2/NDF: 4157960.8/37



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 40.279+/-15.235 χ^2/NDF:23.4/19

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

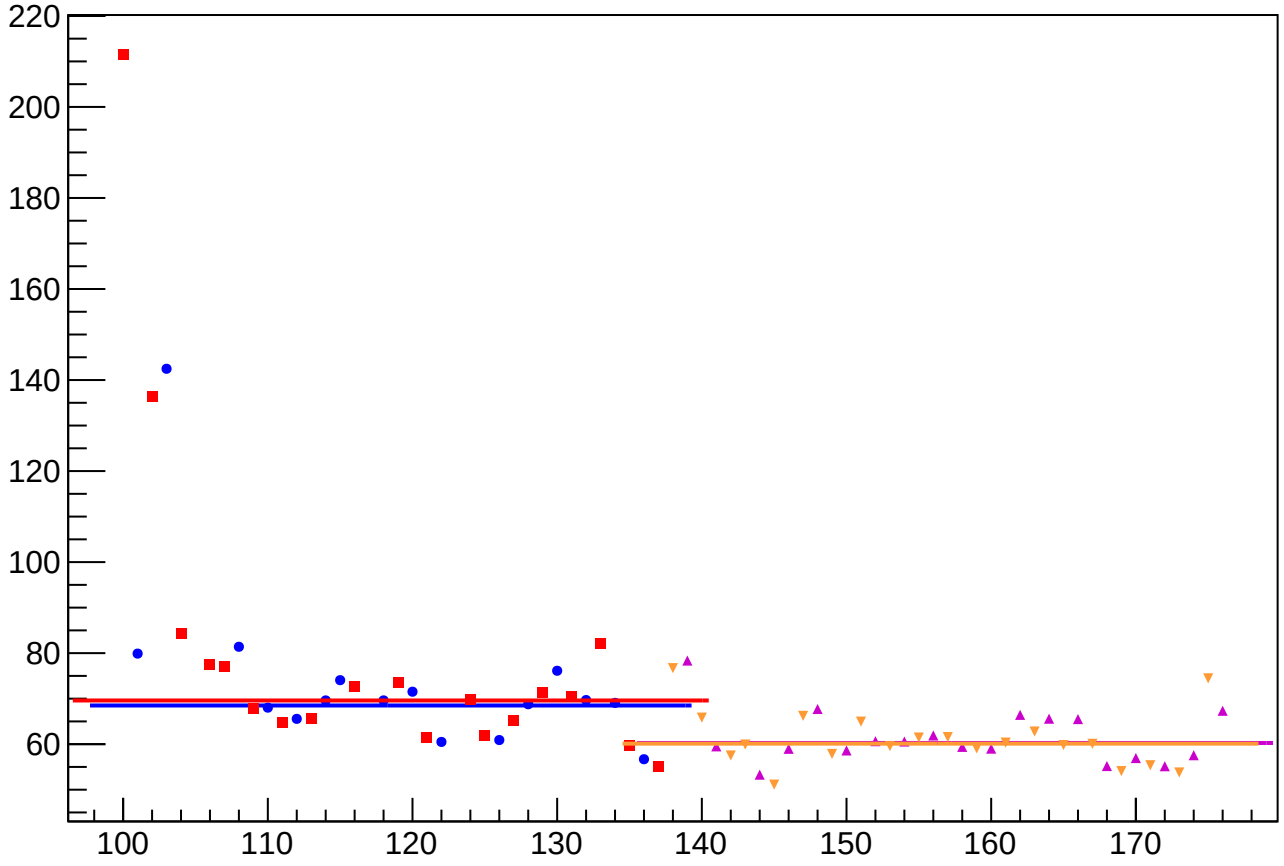
Left In: -61.698+/-15.427 χ^2/NDF:25.5/18

+ sign 29.409+/-13.172 χ^2/NDF: 43.1/35

All: -15.334+/-9.365 χ^2/NDF: 117.6/73

- sign -61.068+/-13.317 χ^2/NDF: 51.2/37

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.118+/-0.011 χ^2/NDF:280119.6/19

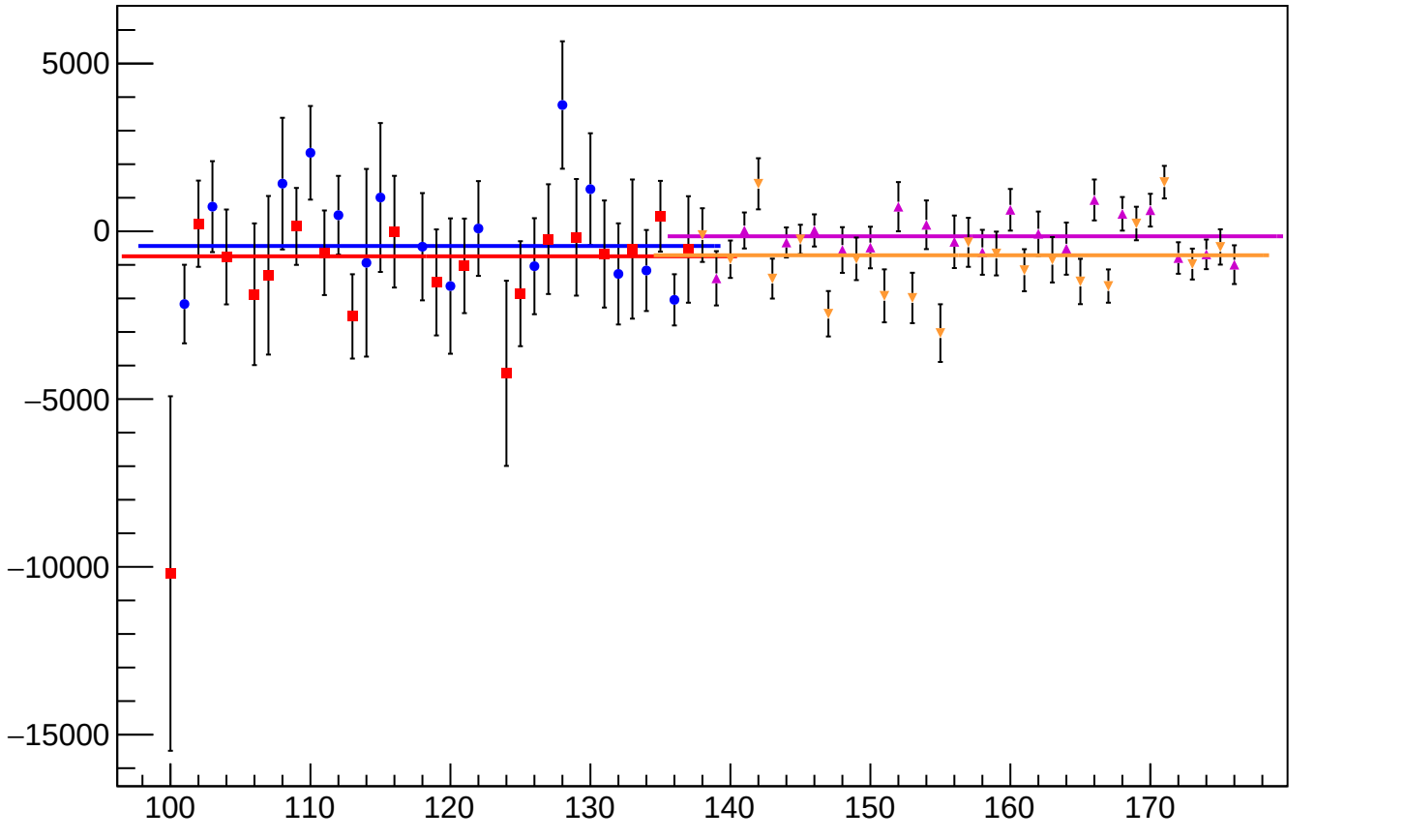
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.264+/-0.011 χ^2/NDF:225107.2/18

+ sign 62.234+/-0.009 χ^2/NDF: 904816.1/35

All: 62.436+/-0.007 χ^2/NDF: 1837299.4/73

- sign 62.643+/-0.009 χ^2/NDF: 931528.9/37



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -713.429+/-133.889 χ^2/NDF:60.0/19

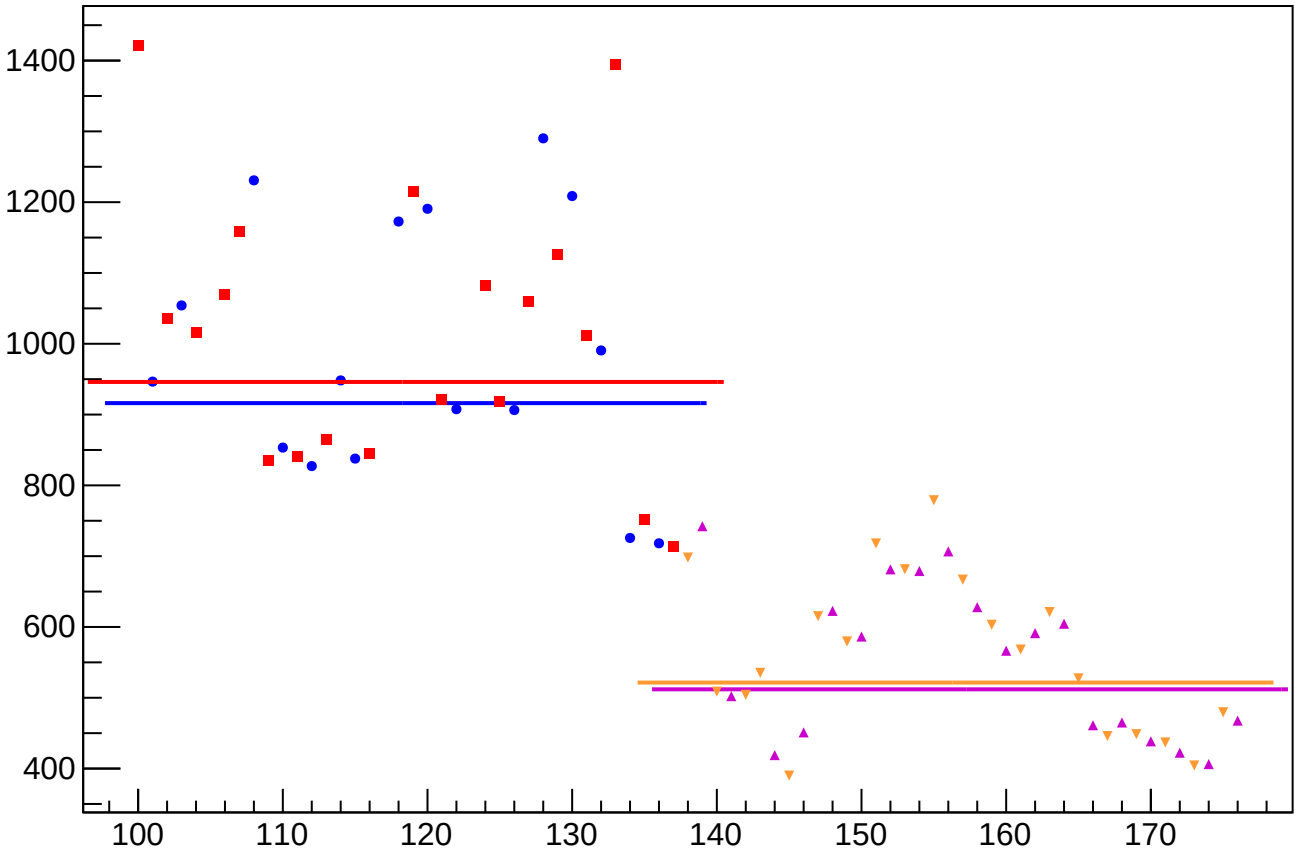
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -148.341+/-132.680 χ^2/NDF:20.5/18

+ sign -677.997+/-125.000 χ^2/NDF: 81.1/35

All: -448.539+/-88.111 χ^2/NDF: 121.7/73

- sign -221.944+/-124.218 χ^2/NDF: 33.9/37



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 521.470+/-0.095 χ^2/NDF:1188687.8/19

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

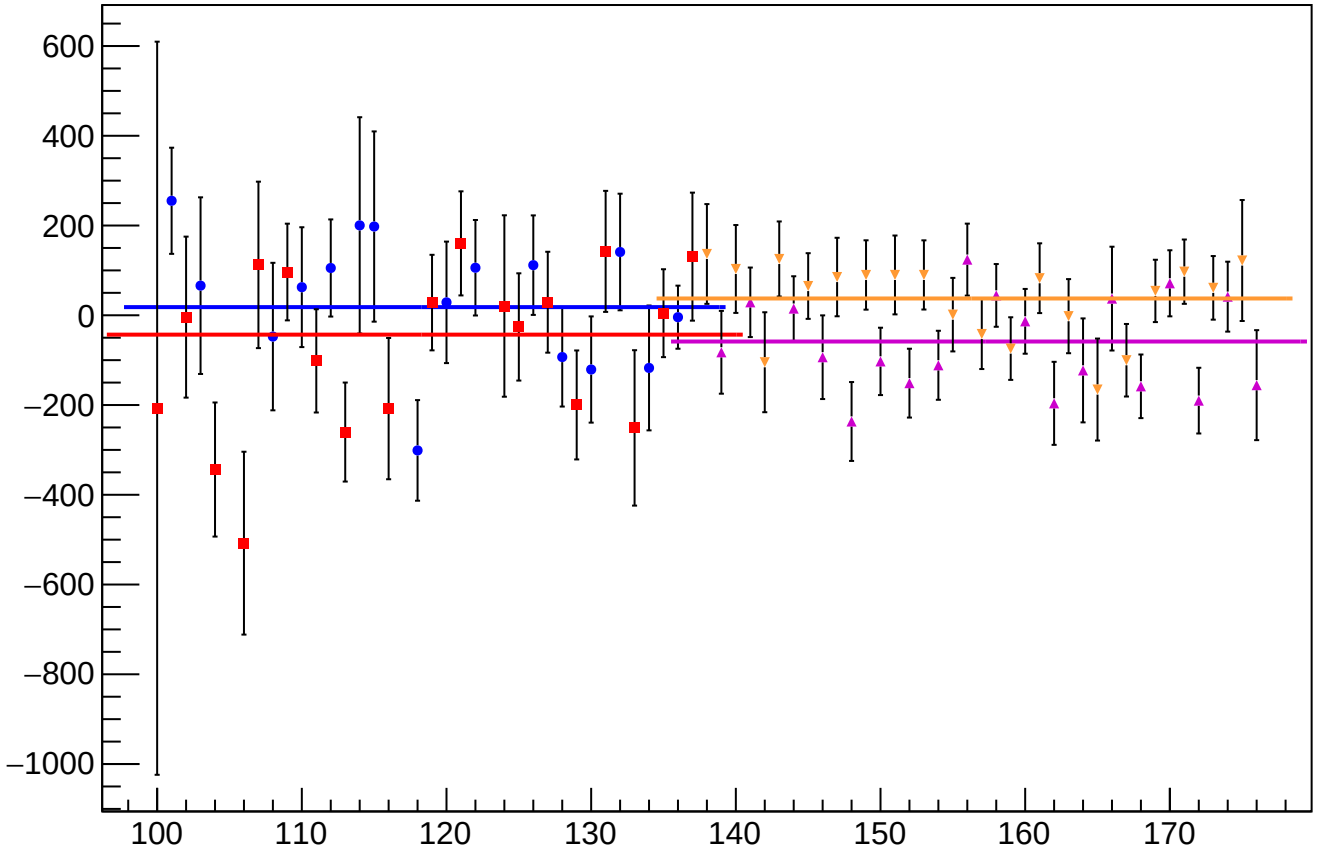
Left In: 511.906+/-0.094 χ^2/NDF:1107757.0/18

\+ sign 572.138+/-0.088 χ^2/NDF: 3929096.9/35

All: 568.809+/-0.062 χ^2/NDF: 8089876.6/73

\- sign 565.522+/-0.088 χ^2/NDF: 4157960.8/37

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 37.422+/-18.541 χ^2/NDF:17.4/19

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

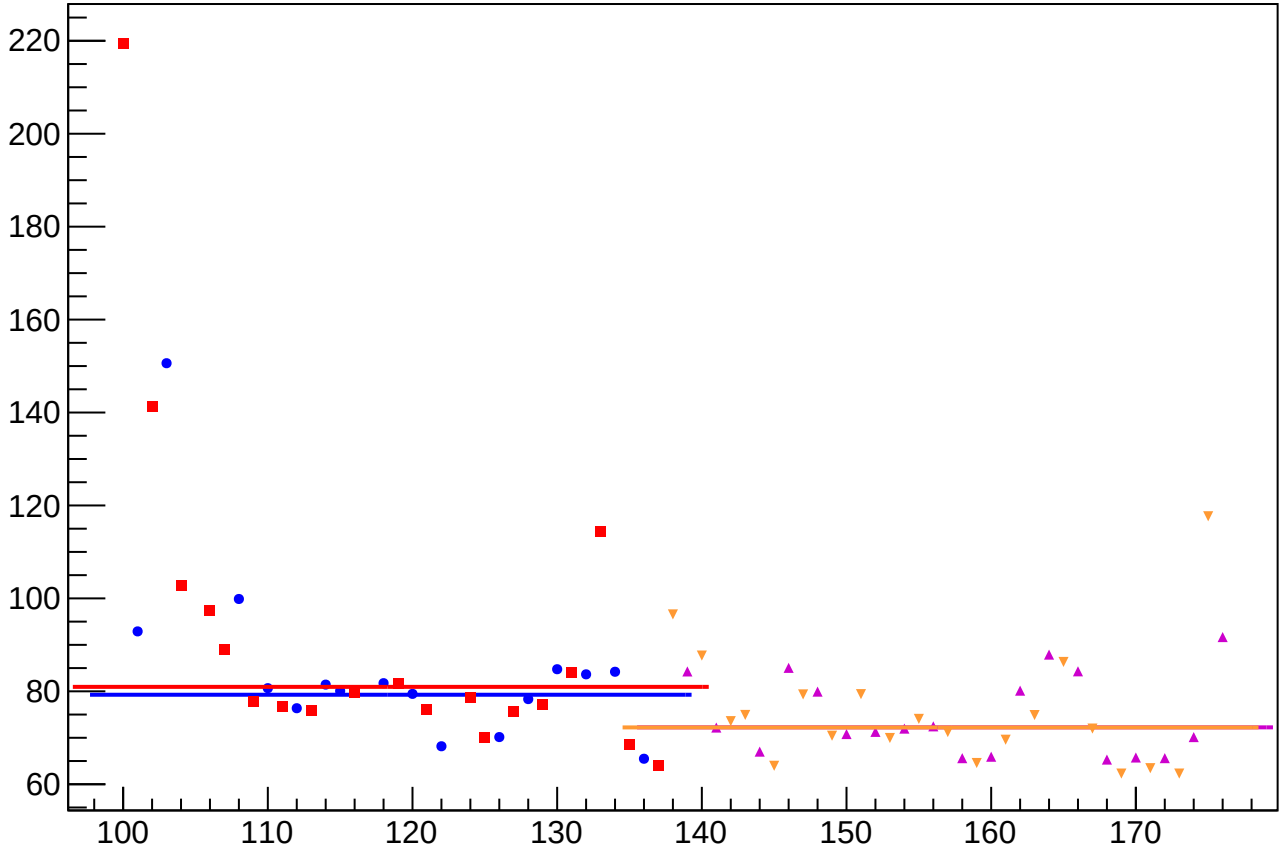
Left In: -58.478+/-18.707 χ^2/NDF:30.5/18

+ sign 32.190+/-15.821 χ^2/NDF: 37.8/35

All: -10.648+/-11.242 χ^2/NDF: 111.0/73

- sign -54.328+/-15.976 χ^2/NDF: 58.4/37

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 72.232+/-0.013 χ^2/NDF:600756.9/19

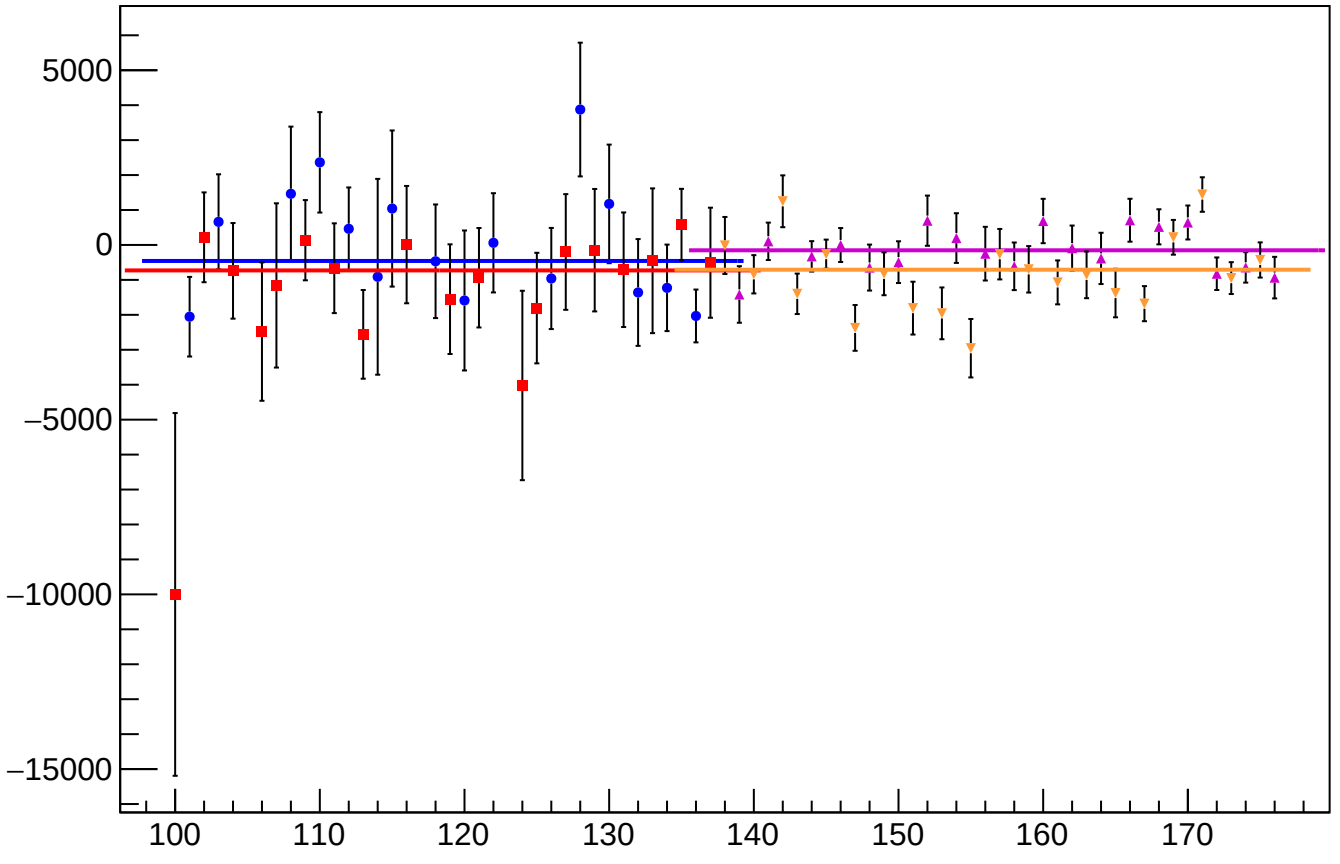
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.245+/-0.013 χ^2/NDF:307643.6/18

+ sign 74.143+/-0.011 χ^2/NDF: 1123897.7/35

All: 74.371+/-0.008 χ^2/NDF: 2064009.3/73

- sign 74.604+/-0.011 χ^2/NDF: 939272.1/37



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -708.538+/-132.065 χ^2/NDF:57.5/19

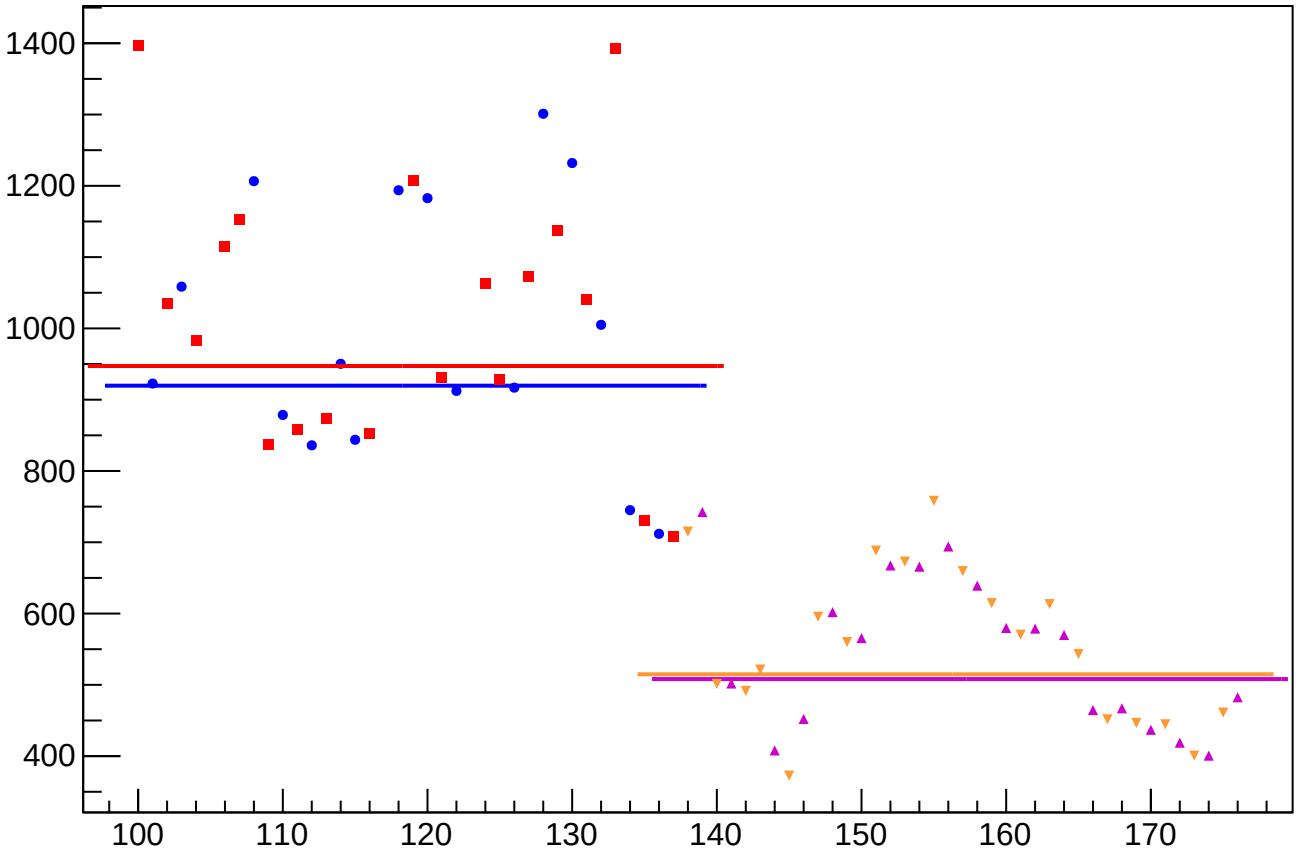
Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: -153.053+/-131.660 χ^2/NDF:19.3/18

+ sign -677.338+/-123.564 χ^2/NDF: 78.2/35

All: -450.012+/-87.294 χ^2/NDF: 118.1/73

- sign -223.507+/-123.341 χ^2/NDF: 33.1/37



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 514.831+/-0.093 χ^2/NDF:1211128.1/19

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

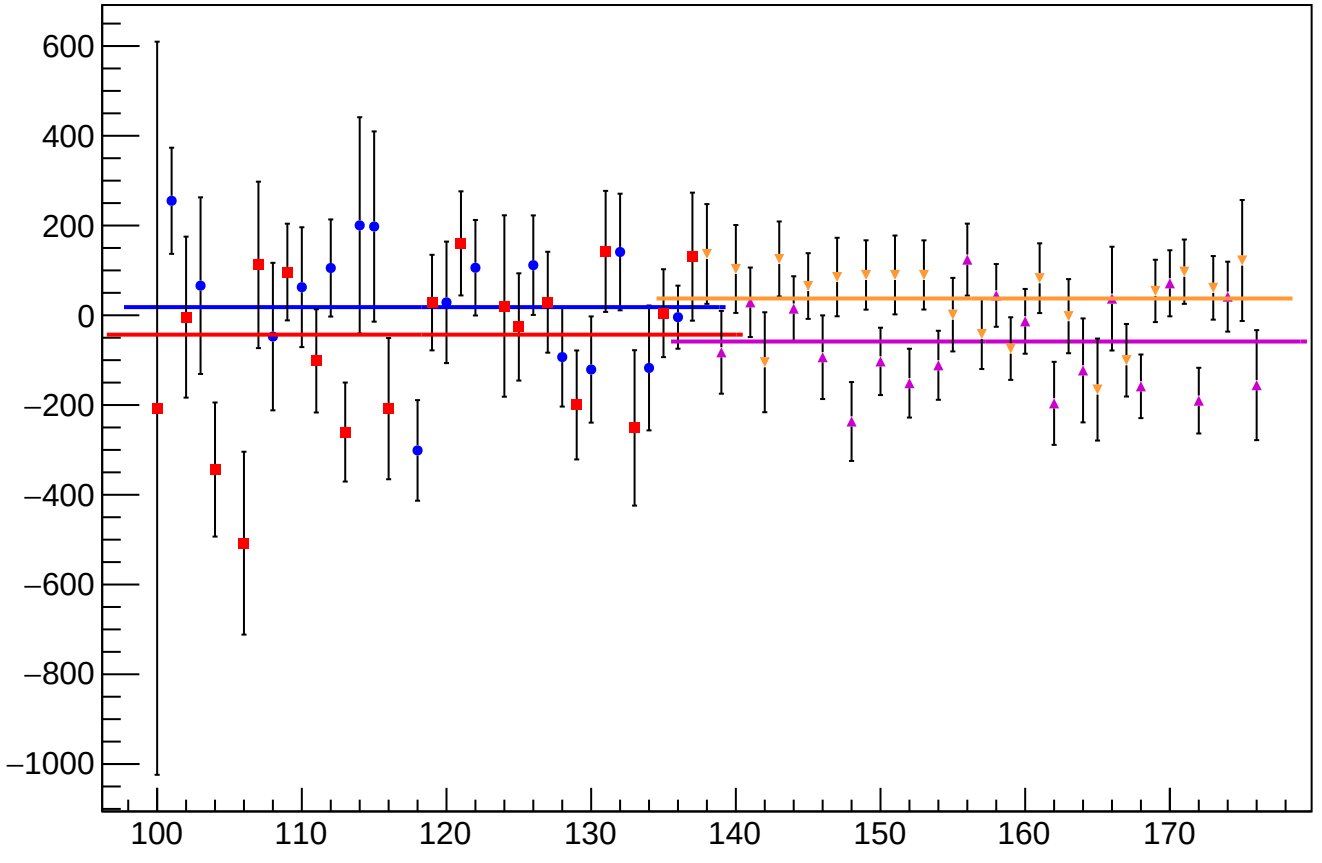
Left In: 508.131+/-0.093 χ^2/NDF:1075992.2/18

+ sign 565.263+/-0.087 χ^2/NDF: 4067670.0/35

All: 563.566+/-0.062 χ^2/NDF: 8292957.6/73

- sign 561.874+/-0.087 χ^2/NDF: 4224533.7/37

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 37.422+/-18.541 χ^2/NDF:17.4/19

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

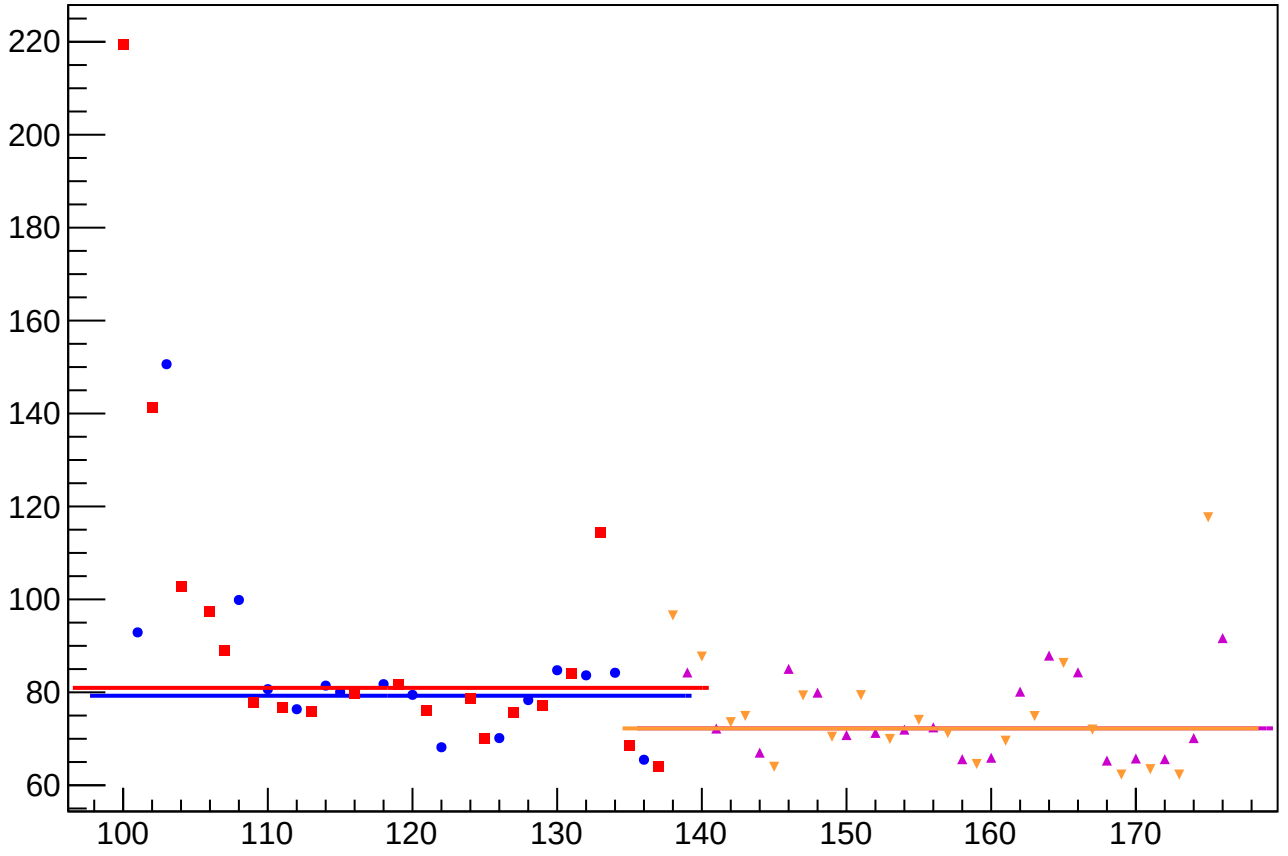
Left In: -58.477+/-18.707 χ^2/NDF:30.5/18

+ sign 32.190+/-15.821 χ^2/NDF: 37.8/35

All: -10.647+/-11.242 χ^2/NDF: 111.0/73

- sign -54.326+/-15.976 χ^2/NDF: 58.4/37

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 72.232+/-0.013 χ^2/NDF:600754.9/19

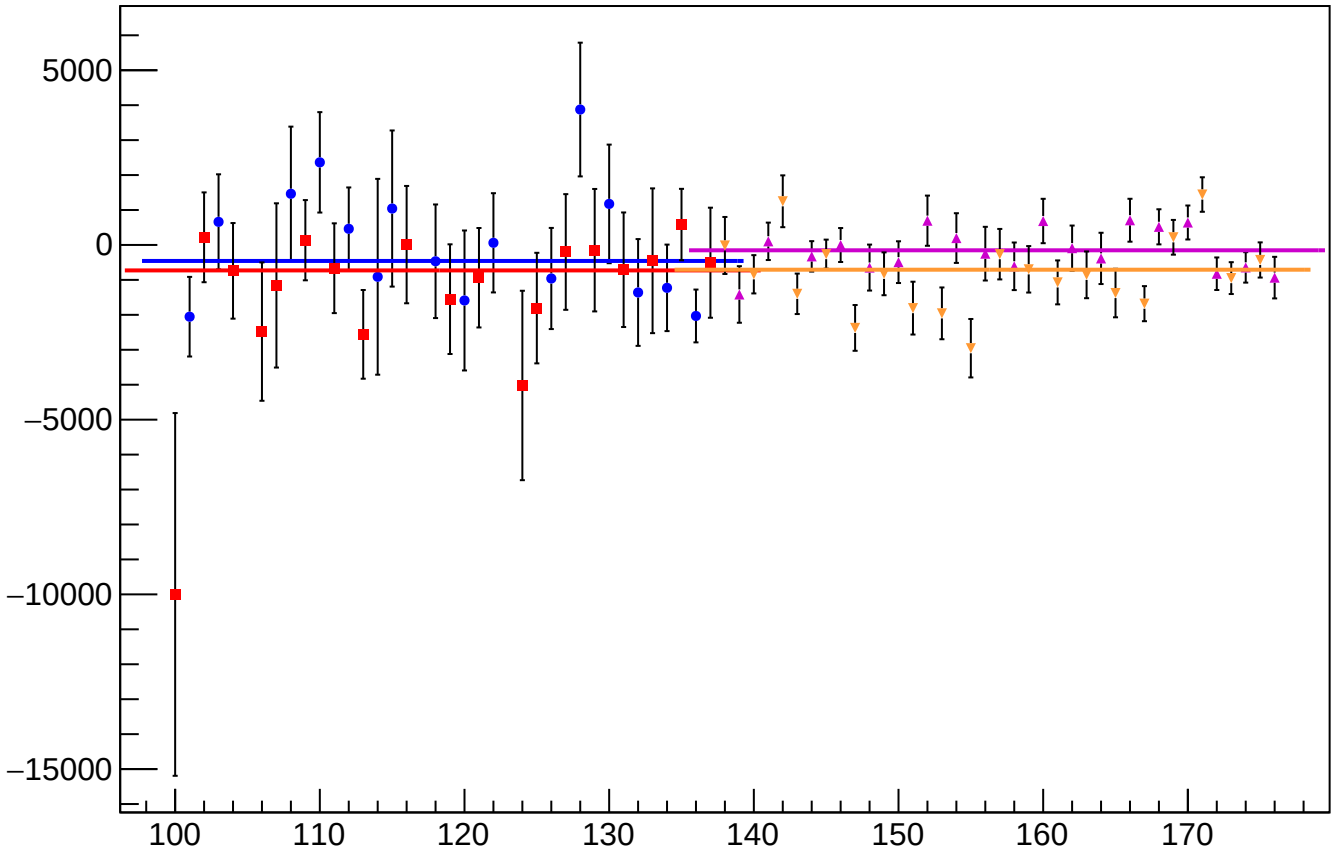
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.245+/-0.013 χ^2/NDF:307643.8/18

+ sign 74.143+/-0.011 χ^2/NDF: 1123882.6/35

All: 74.371+/-0.008 χ^2/NDF: 2063991.5/73

- sign 74.604+/-0.011 χ^2/NDF: 939269.2/37



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -708.537+/-132.064 χ^2/NDF:57.5/19

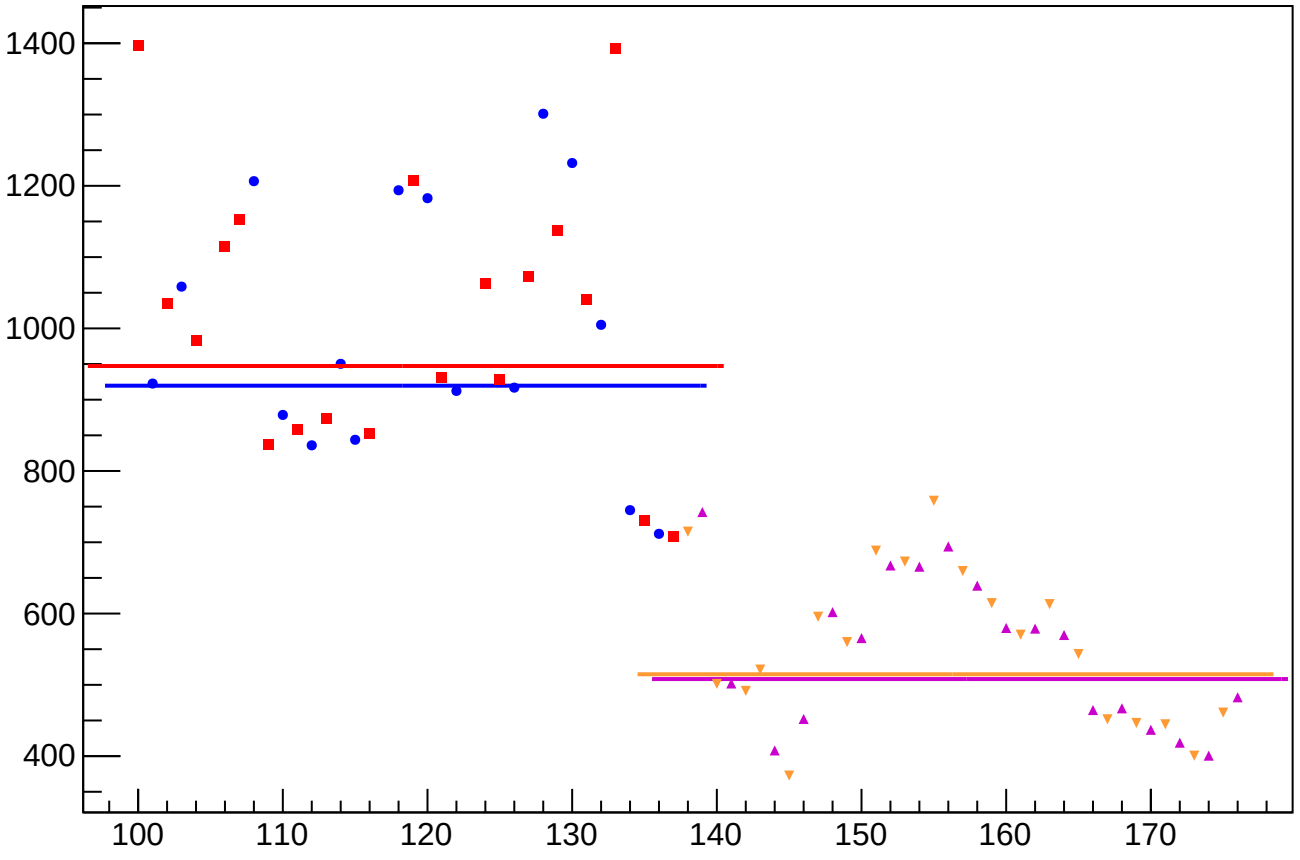
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -153.052+/-131.660 χ^2/NDF:19.3/18

+ sign -677.336+/-123.564 χ^2/NDF: 78.2/35

All: -450.011+/-87.294 χ^2/NDF: 118.1/73

- sign -223.506+/-123.341 χ^2/NDF: 33.1/37



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 514.830+/-0.093 χ^2/NDF:1211131.0/19

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

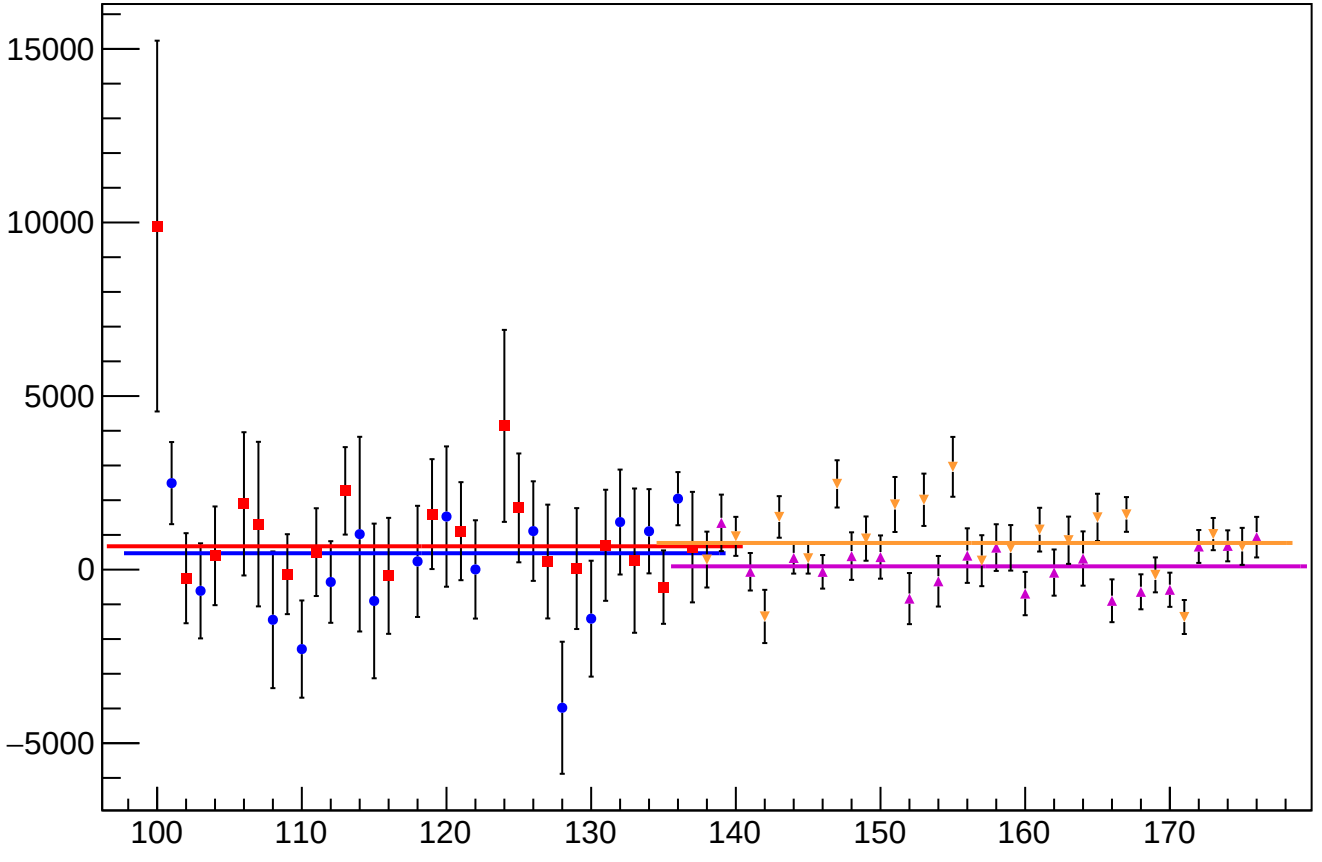
Left In: 508.130+/-0.093 χ^2/NDF:1075992.1/18

+ sign 565.263+/-0.087 χ^2/NDF: 4067669.5/35

All: 563.565+/-0.062 χ^2/NDF: 8292952.9/73

- sign 561.873+/-0.087 χ^2/NDF: 4224529.4/37

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 768.019+/-134.868 χ^2/NDF:55.6/19

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

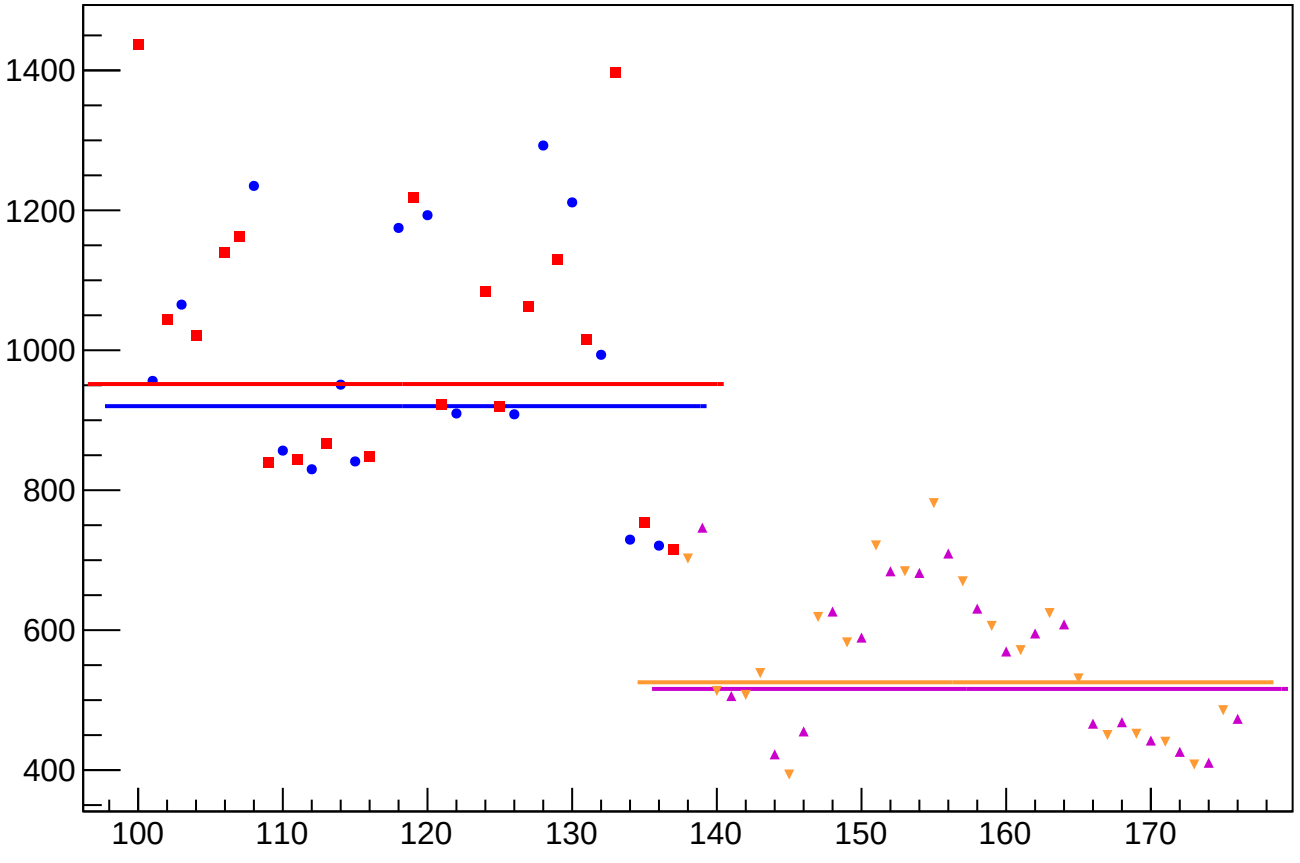
Left In: 94.790+/-133.696 χ^2/NDF:19.6/18

+ sign 729.820+/-125.866 χ^2/NDF: 77.7/35

All: 446.546+/-88.727 χ^2/NDF: 119.9/73

- sign 166.728+/-125.095 χ^2/NDF: 32.2/37

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 525.470+/-0.095 χ^2/NDF:1167899.6/19

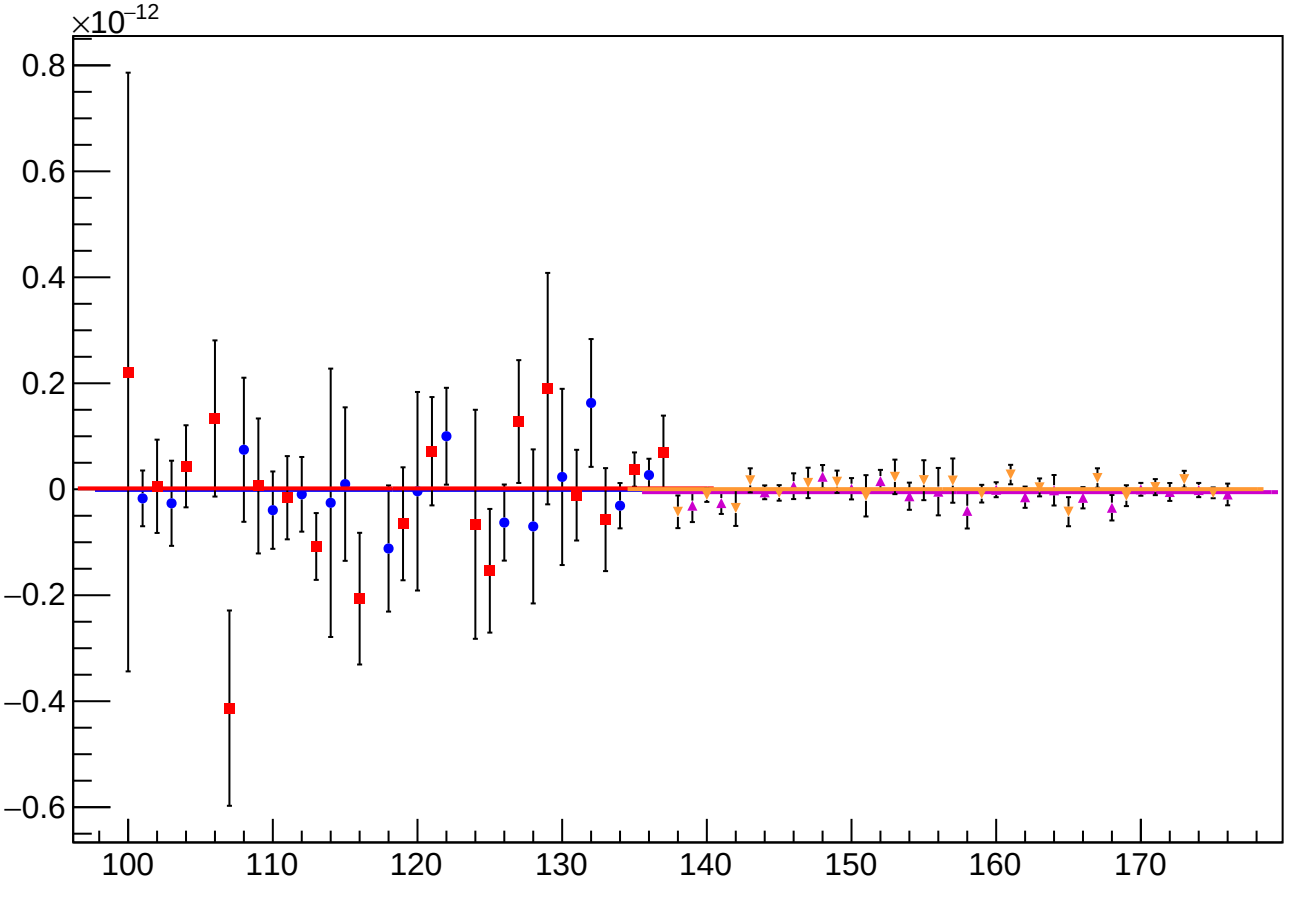
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 516.012+/-0.095 χ^2/NDF:1086853.2/18

\+ sign 576.399+/-0.089 χ^2/NDF: 3886581.0/35

All: 573.313+/-0.063 χ^2/NDF: 8036911.3/73

\- sign 570.264+/-0.088 χ^2/NDF: 4147940.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/19

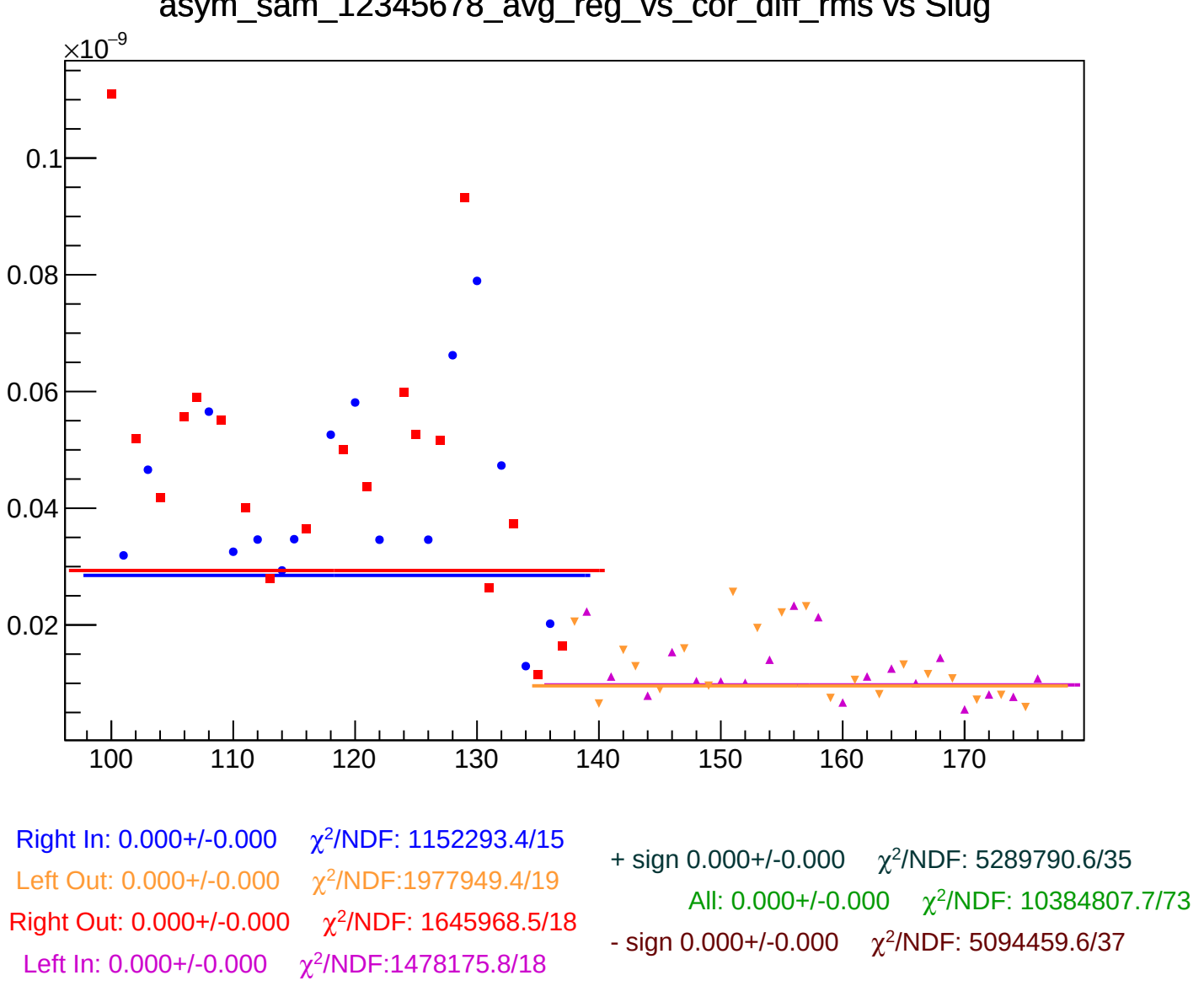
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

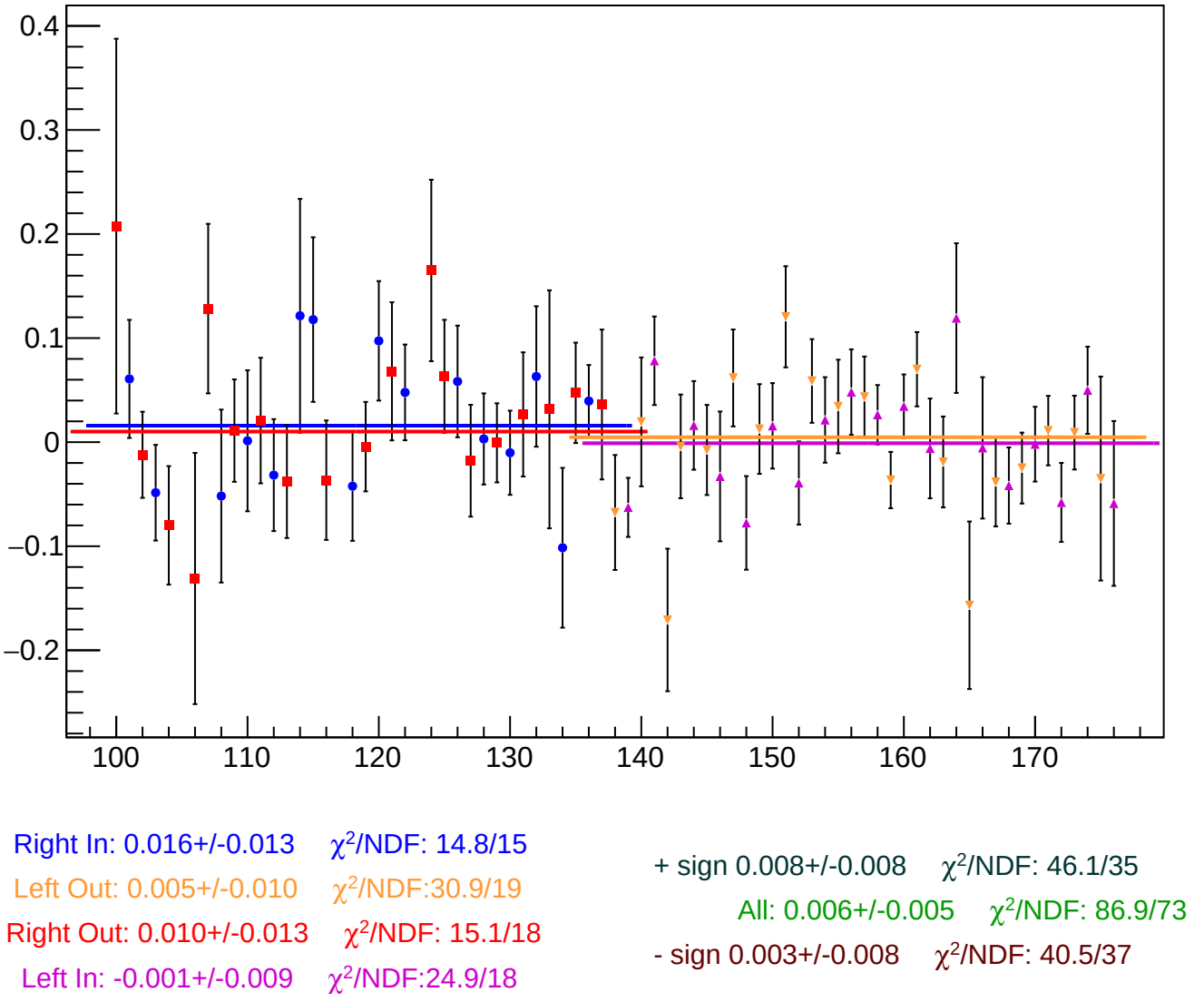
Left In: -0.000+/-0.000 χ^2/NDF:8.4/18

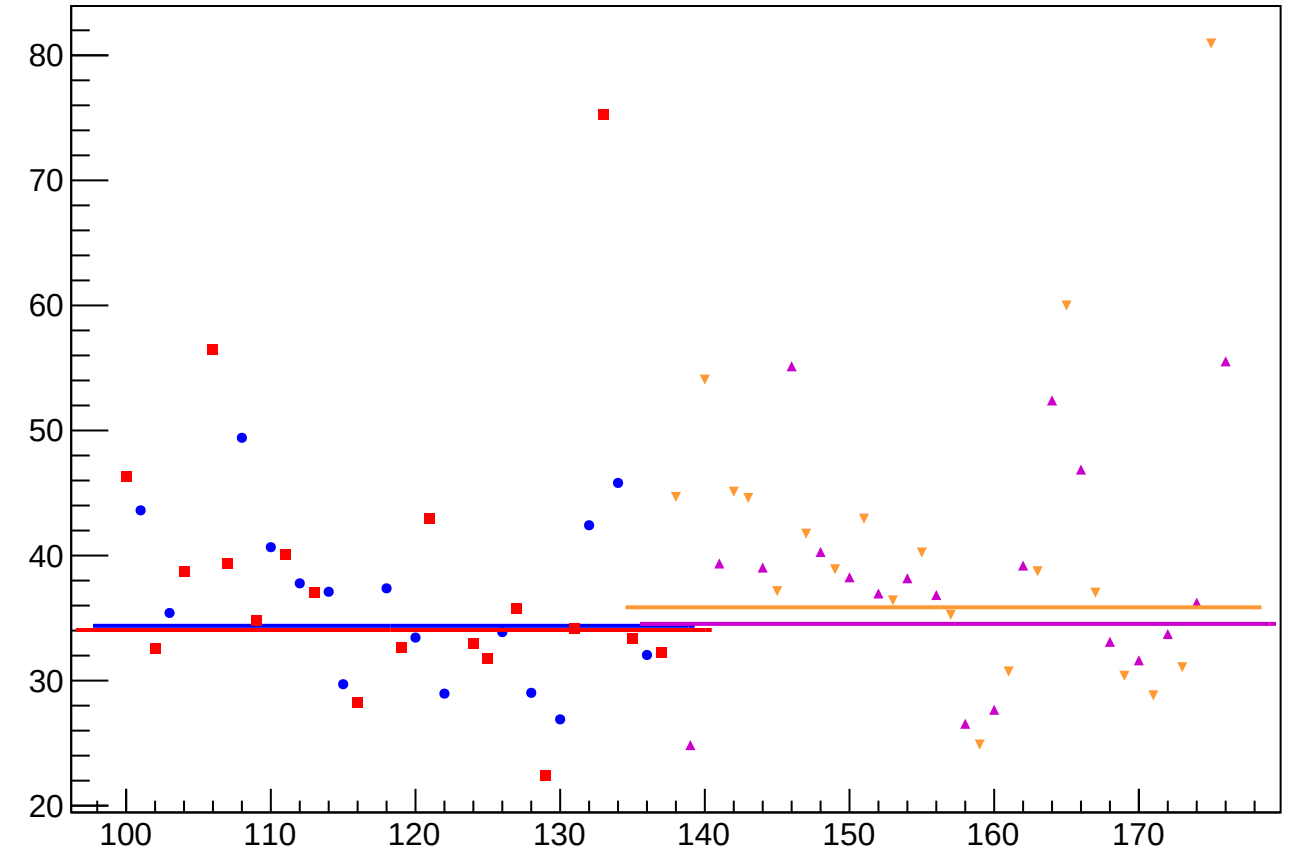
+ sign 0.000+/-0.000 χ^2/NDF: 21.7/35

All: -0.000+/-0.000 χ^2/NDF: 50.4/73

- sign -0.000+/-0.000 χ^2/NDF: 27.9/37


asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1152293.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1977949.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 1645968.5/18
Left In: 0.000+/-0.000 χ²/NDF:1478175.8/18
+ sign 0.000+/-0.000 χ²/NDF: 5289790.6/35
All: 0.000+/-0.000 χ²/NDF: 10384807.7/73
- sign 0.000+/-0.000 χ²/NDF: 5094459.6/37


asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.005+/-0.010 χ²/NDF:30.9/19
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.001+/-0.009 χ²/NDF:24.9/18
+ sign 0.008+/-0.008 χ²/NDF: 46.1/35
All: 0.006+/-0.005 χ²/NDF: 86.9/73
- sign 0.003+/-0.008 χ²/NDF: 40.5/37



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.862+/-0.007 χ^2/NDF:1587589.3/19

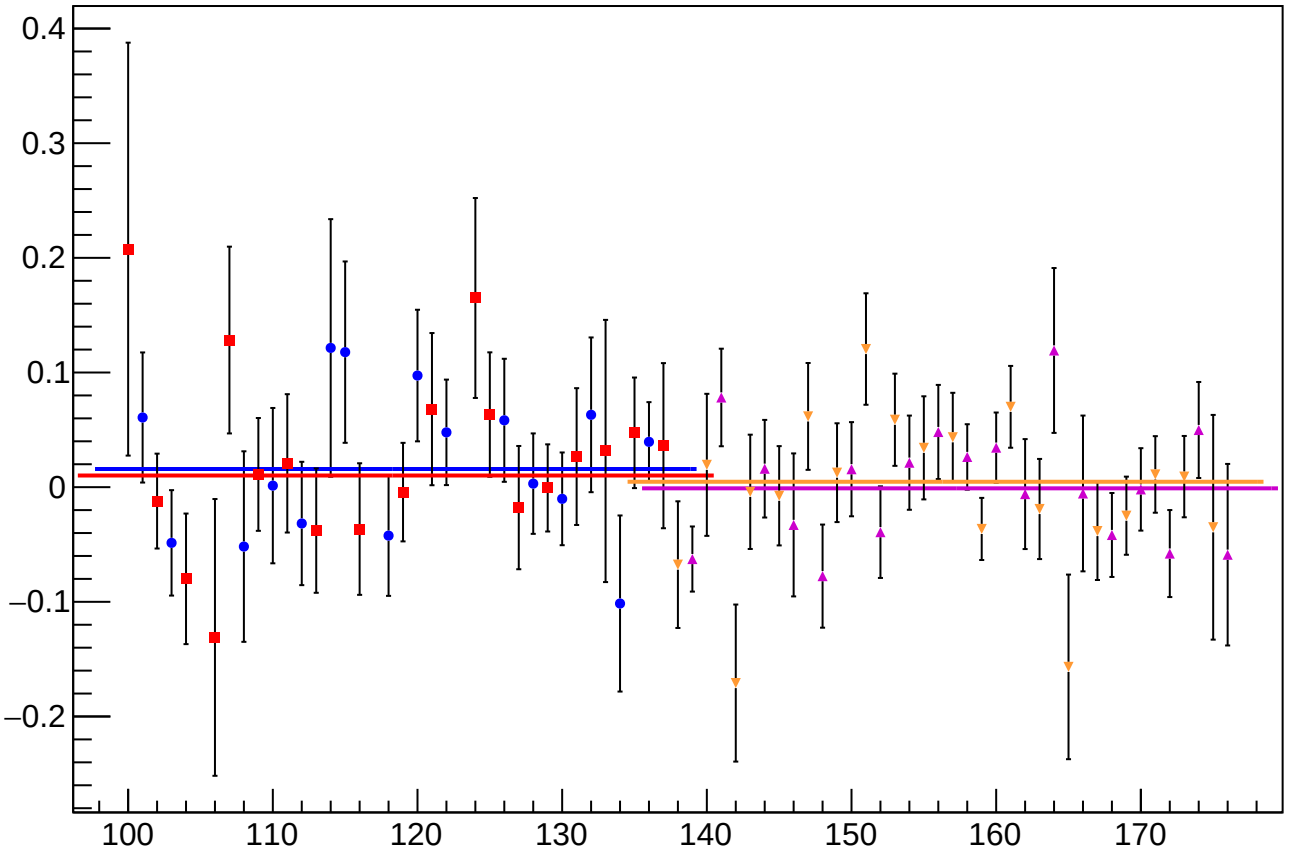
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.537+/-0.007 χ^2/NDF:1204824.2/18

+ sign 35.363+/-0.005 χ^2/NDF: 1971663.8/35

All: 34.858+/-0.004 χ^2/NDF: 3837557.7/73

- sign 34.375+/-0.005 χ^2/NDF: 1849359.3/37



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.9/19

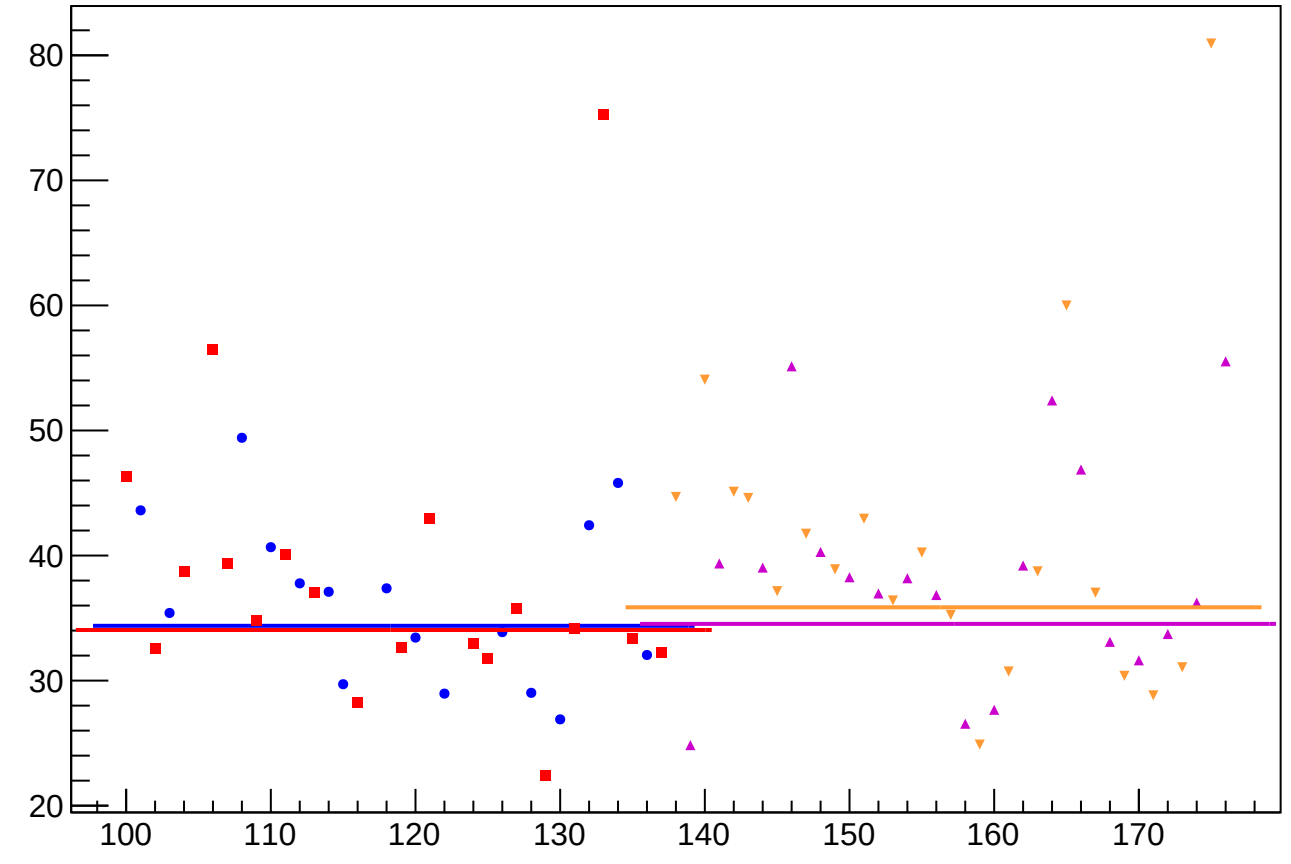
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.001+/-0.009 χ^2/NDF:24.9/18

+ sign 0.008+/-0.008 χ^2/NDF: 46.1/35

All: 0.006+/-0.005 χ^2/NDF: 86.9/73

- sign 0.003+/-0.008 χ^2/NDF: 40.5/37



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.862+/-0.007 χ^2/NDF:1587589.3/19

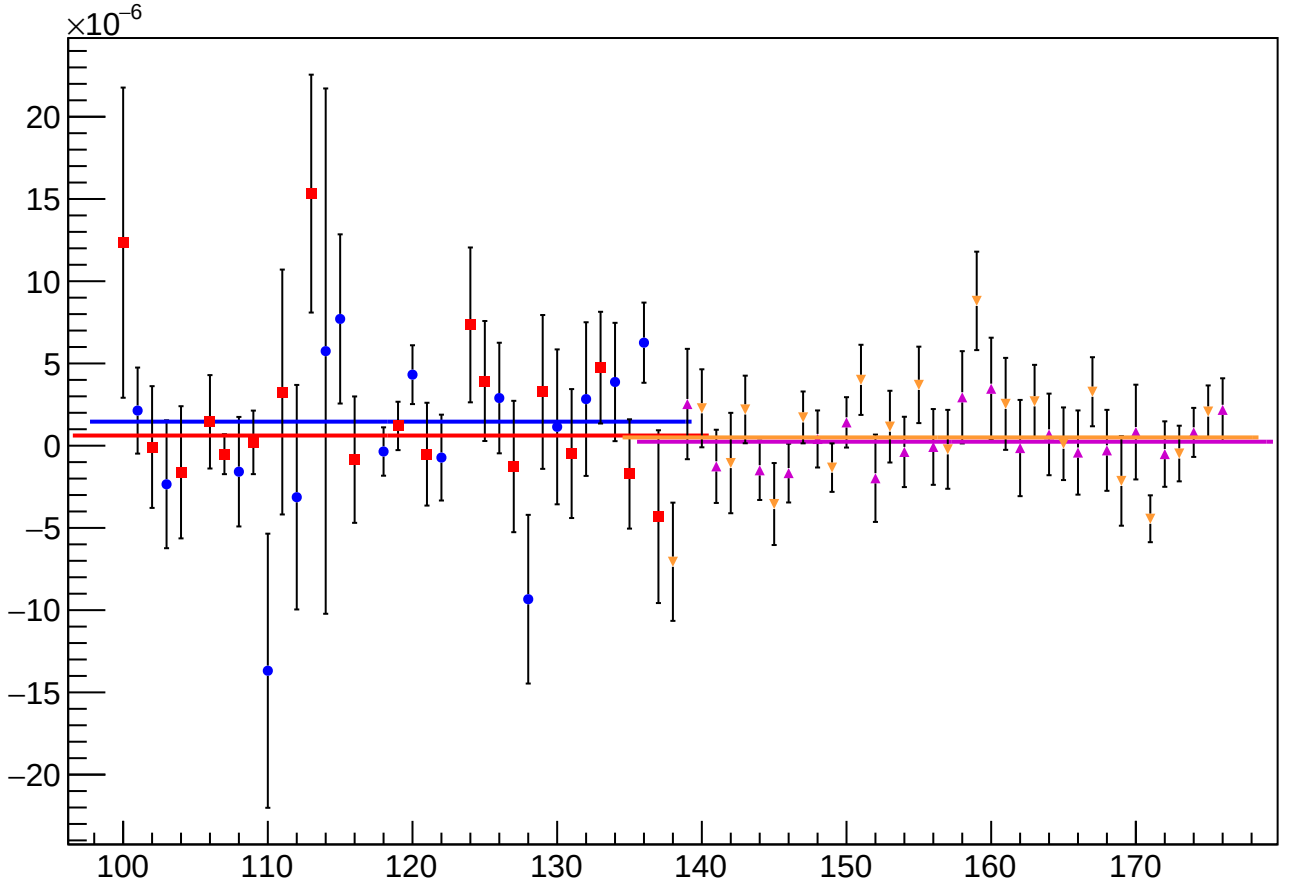
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.537+/-0.007 χ^2/NDF:1204824.2/18

+ sign 35.363+/-0.005 χ^2/NDF: 1971663.8/35

All: 34.858+/-0.004 χ^2/NDF: 3837557.7/73

- sign 34.375+/-0.005 χ^2/NDF: 1849359.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.8/19

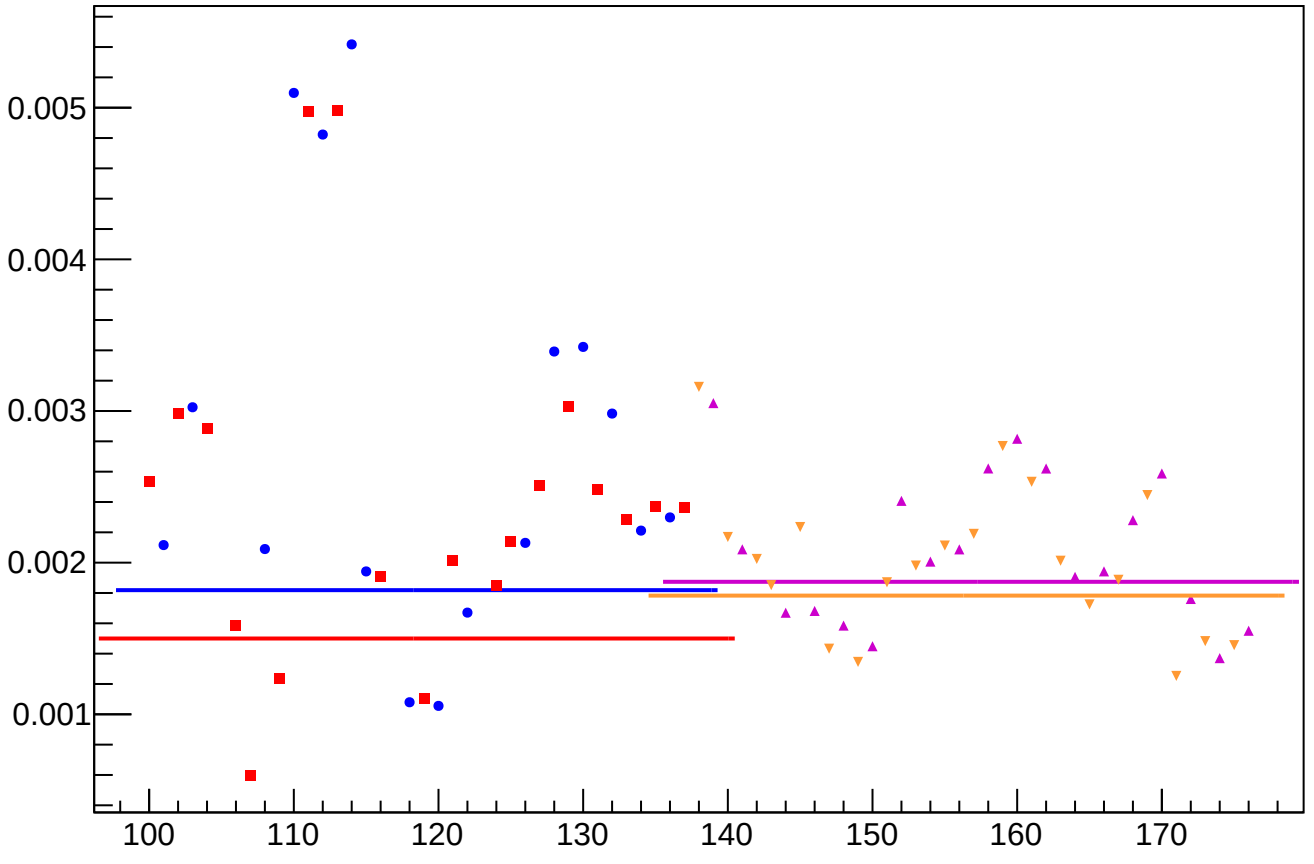
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 62.9/35

All: 0.000+/-0.000 χ^2/NDF: 85.4/73

- sign 0.000+/-0.000 χ^2/NDF: 22.0/37



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1751121.1/19

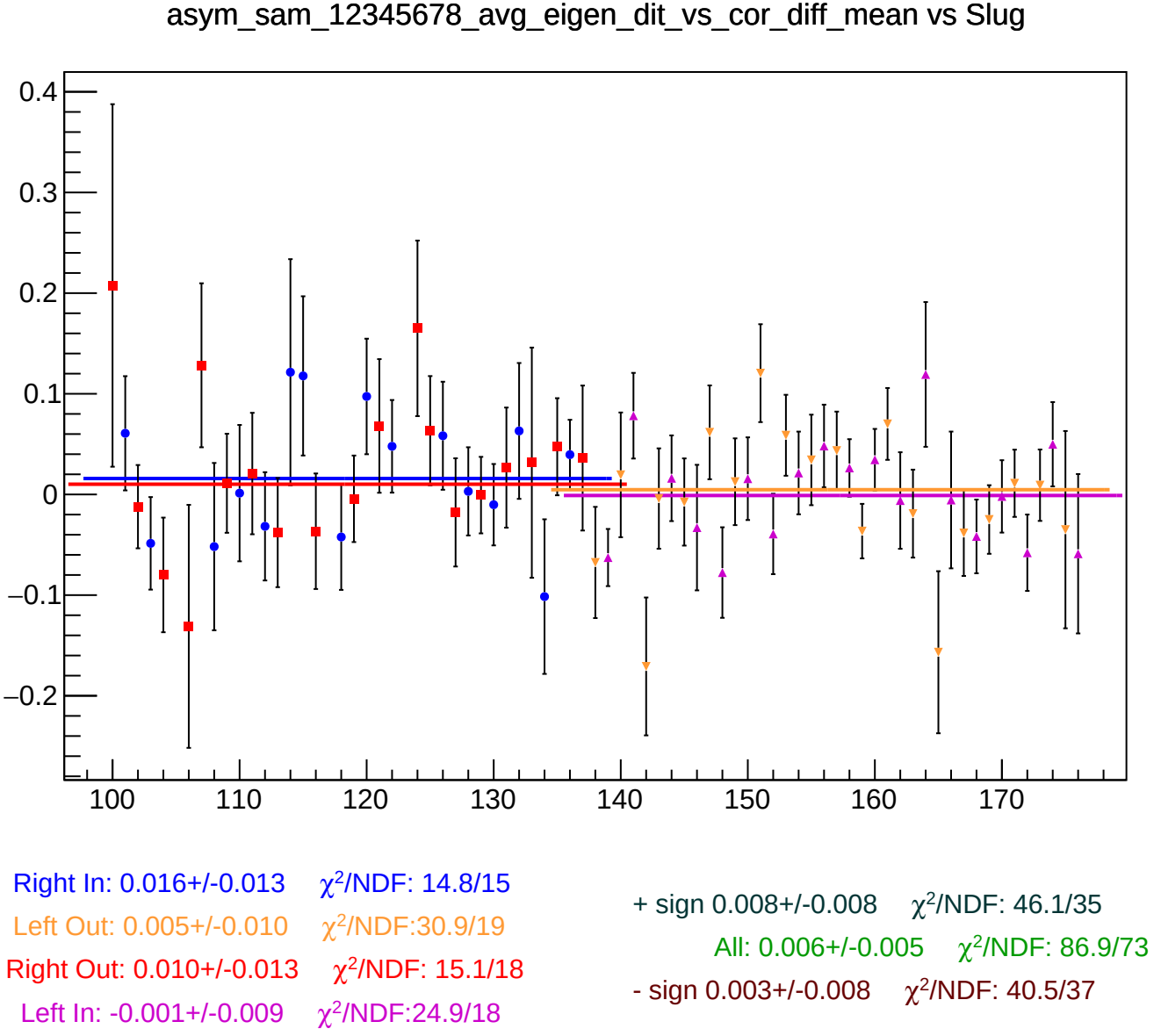
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

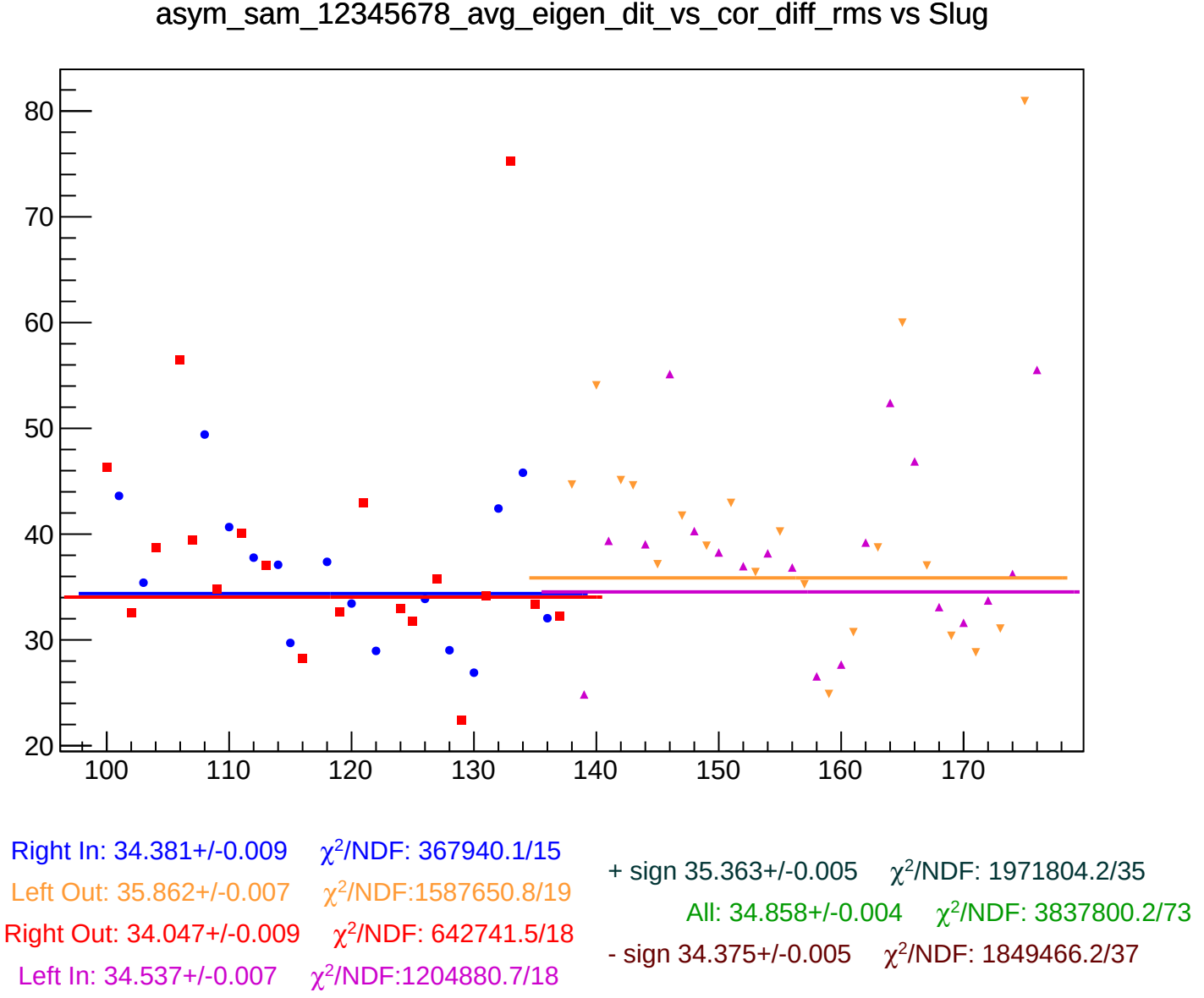
Left In: 0.002+/-0.000 χ^2/NDF:1556670.9/18

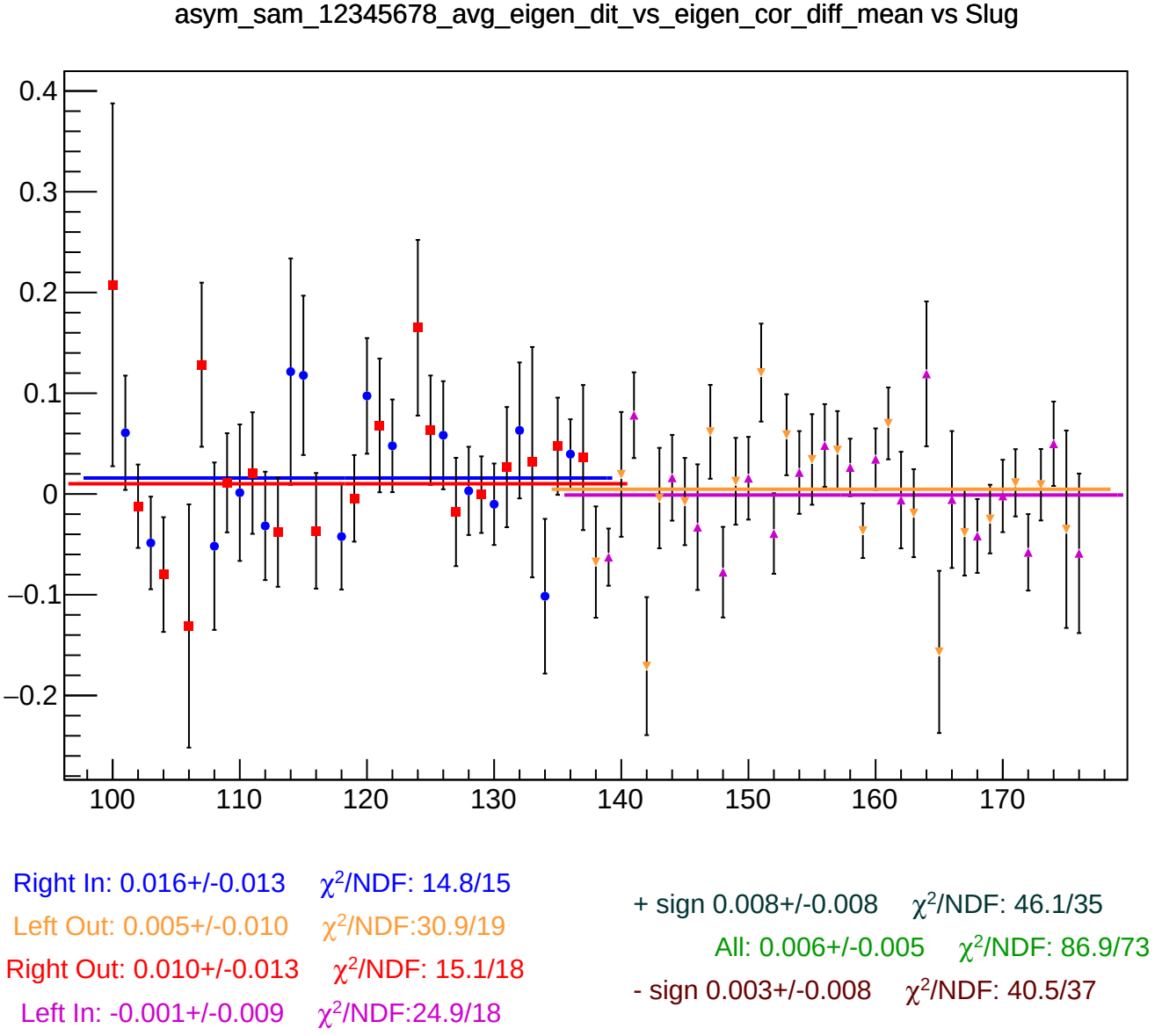
+ sign 0.002+/-0.000 χ^2/NDF: 4324680.1/35

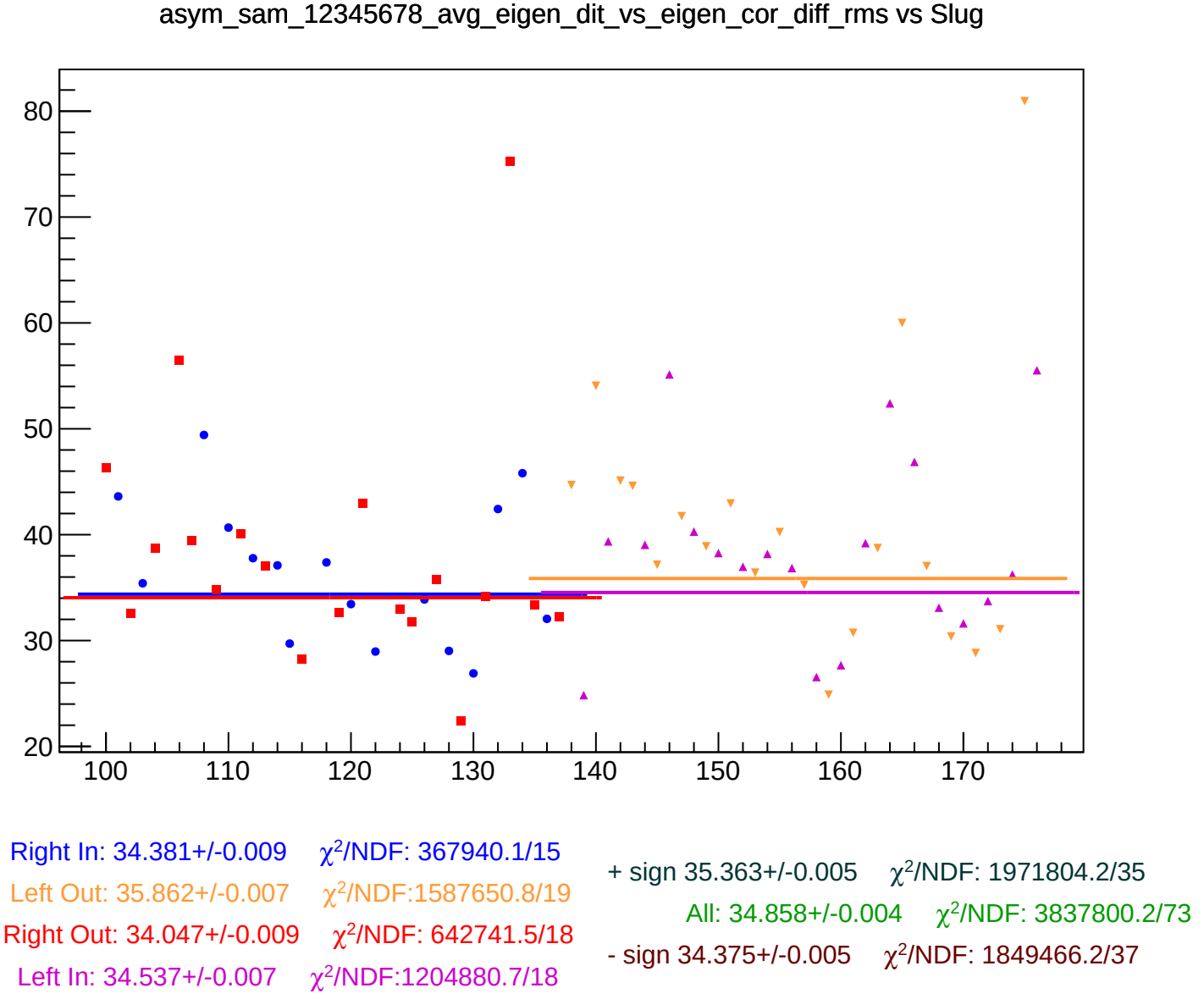
All: 0.002+/-0.000 χ^2/NDF: 10015208.4/73

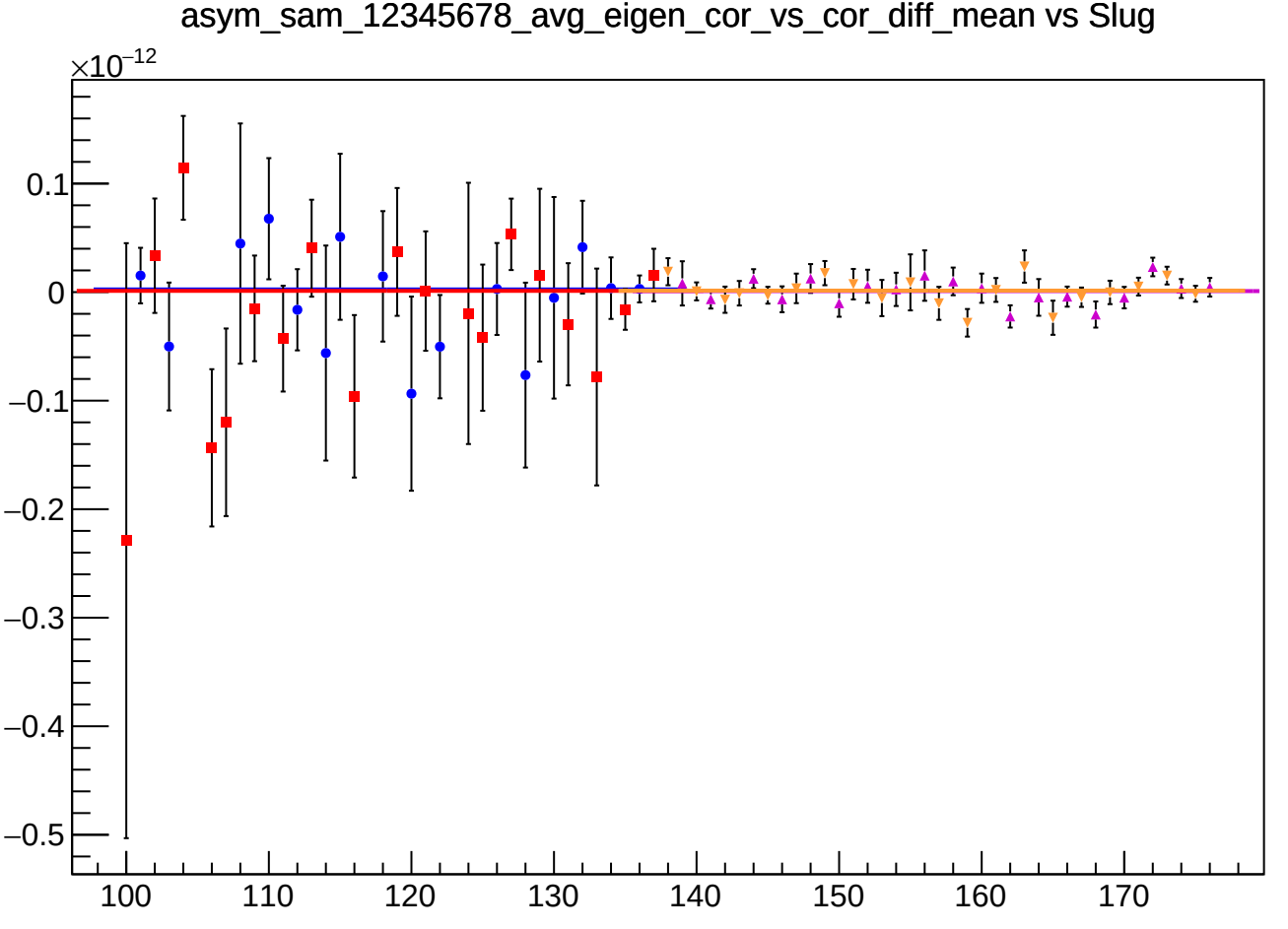
- sign 0.002+/-0.000 χ^2/NDF: 5670306.7/37


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.005+/-0.010 χ²/NDF:30.9/19
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.001+/-0.009 χ²/NDF:24.9/18
+ sign 0.008+/-0.008 χ²/NDF: 46.1/35
All: 0.006+/-0.005 χ²/NDF: 86.9/73
- sign 0.003+/-0.008 χ²/NDF: 40.5/37


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 35.862+/-0.007 χ²/NDF:1587650.8/19
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.537+/-0.007 χ²/NDF:1204880.7/18
+ sign 35.363+/-0.005 χ²/NDF: 1971804.2/35
All: 34.858+/-0.004 χ²/NDF: 3837800.2/73
- sign 34.375+/-0.005 χ²/NDF: 1849466.2/37


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.005+/-0.010 χ²/NDF:30.9/19
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.001+/-0.009 χ²/NDF:24.9/18
+ sign 0.008+/-0.008 χ²/NDF: 46.1/35
All: 0.006+/-0.005 χ²/NDF: 86.9/73
- sign 0.003+/-0.008 χ²/NDF: 40.5/37


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 35.862+/-0.007 χ²/NDF:1587650.8/19
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.537+/-0.007 χ²/NDF:1204880.7/18
+ sign 35.363+/-0.005 χ²/NDF: 1971804.2/35
All: 34.858+/-0.004 χ²/NDF: 3837800.2/73
- sign 34.375+/-0.005 χ²/NDF: 1849466.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/19

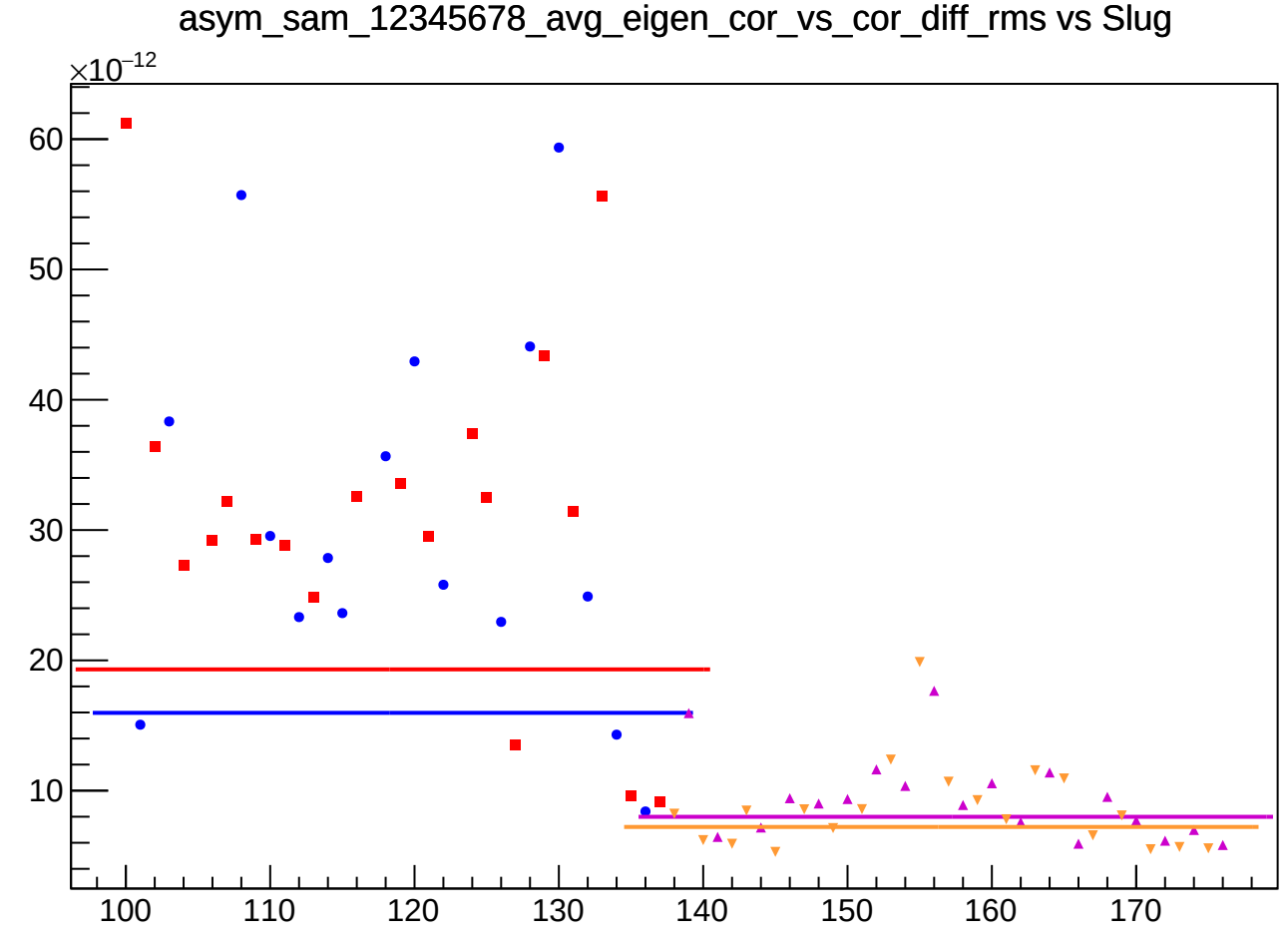
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:21.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 27.5/35

All: 0.000+/-0.000 χ^2/NDF: 70.7/73

- sign 0.000+/-0.000 χ^2/NDF: 43.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1649781.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

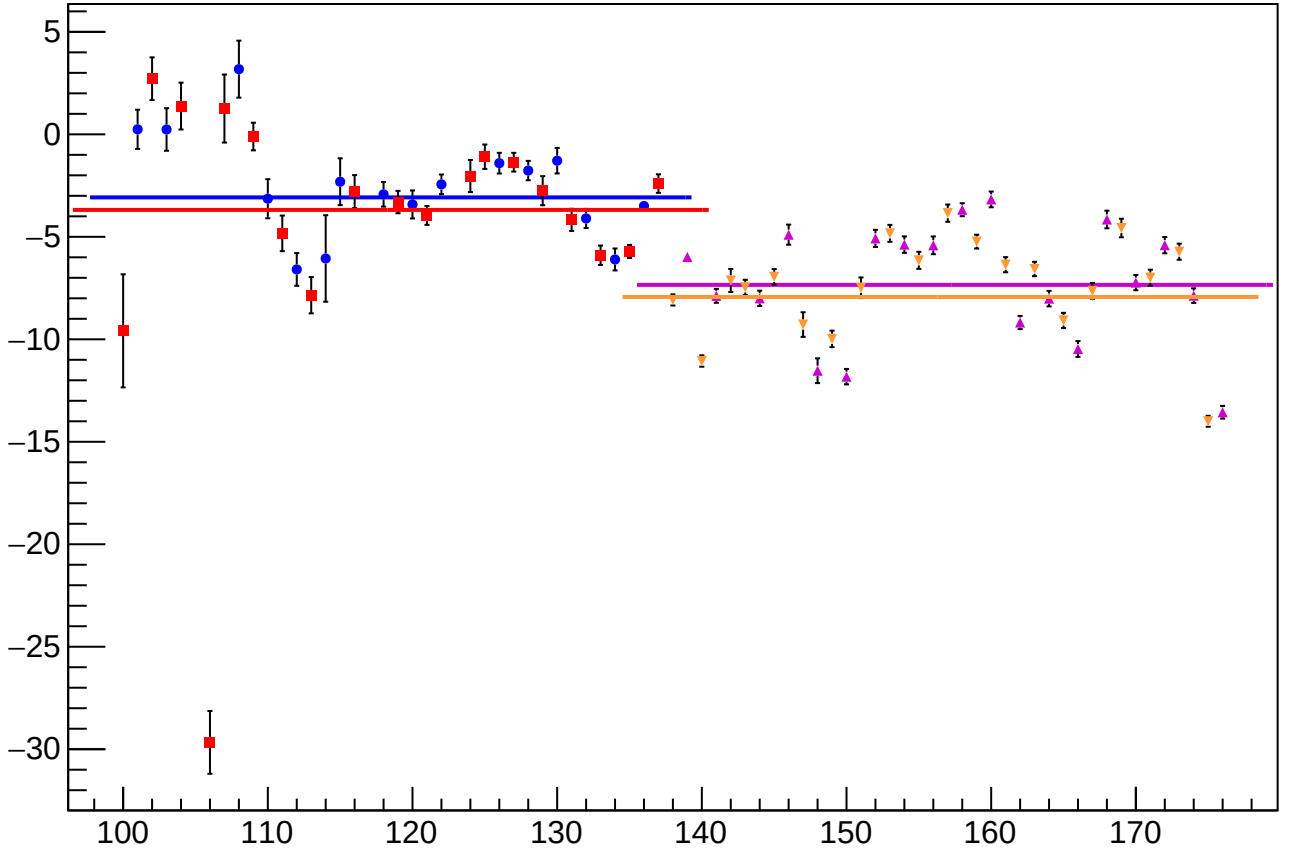
Left In: 0.000+/-0.000 χ^2/NDF:1505580.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 6345848.5/35

All: 0.000+/-0.000 χ^2/NDF: 12724555.1/73

- sign 0.000+/-0.000 χ^2/NDF: 6259458.6/37

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.934+/-0.083 χ^2/NDF:1049.4/19

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

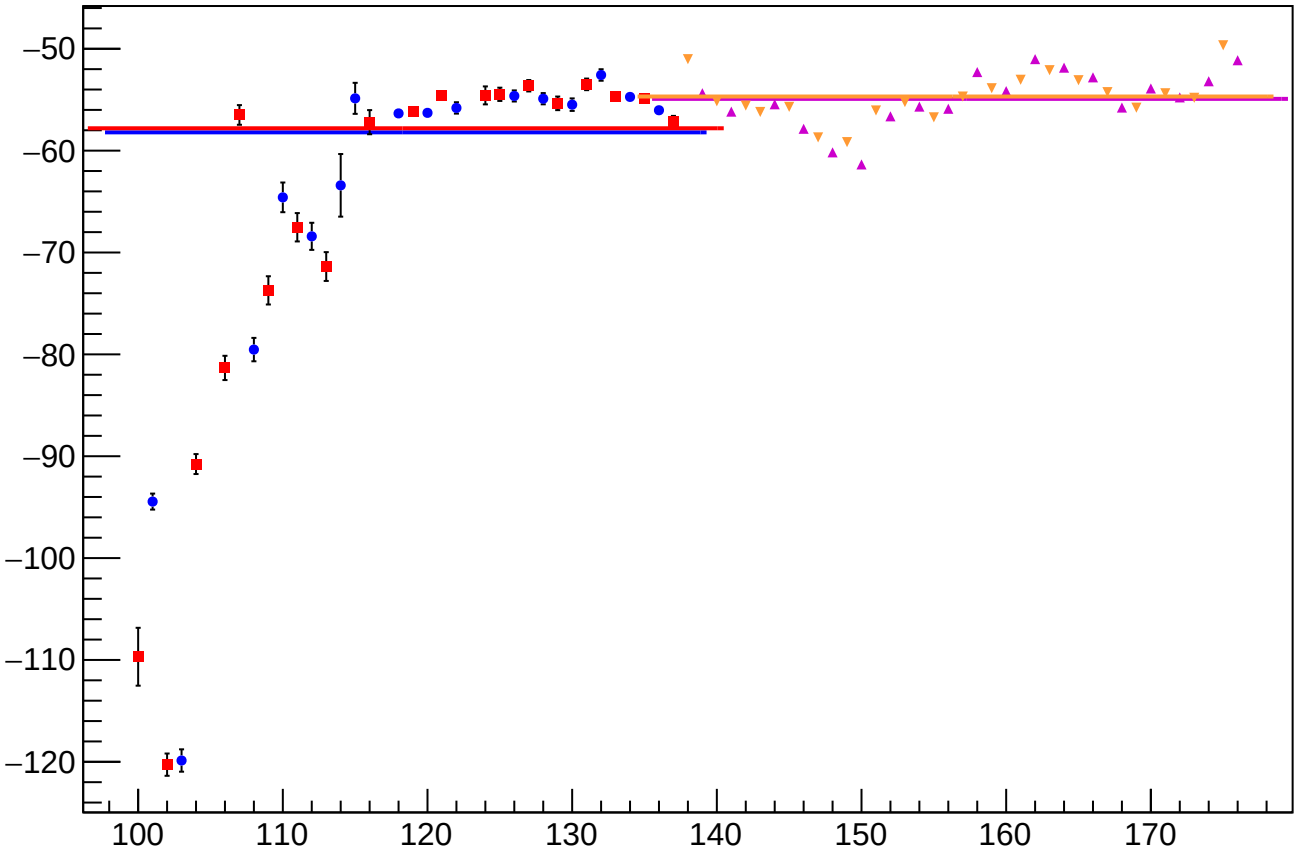
Left In: -7.345+/-0.084 χ^2/NDF:1161.6/18

+ sign -6.599+/-0.071 χ^2/NDF: 2118.7/35

All: -6.491+/-0.051 χ^2/NDF: 4320.9/73

- sign -6.379+/-0.072 χ^2/NDF: 2197.4/37

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.686+/-0.063 χ^2/NDF:1355.8/19

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

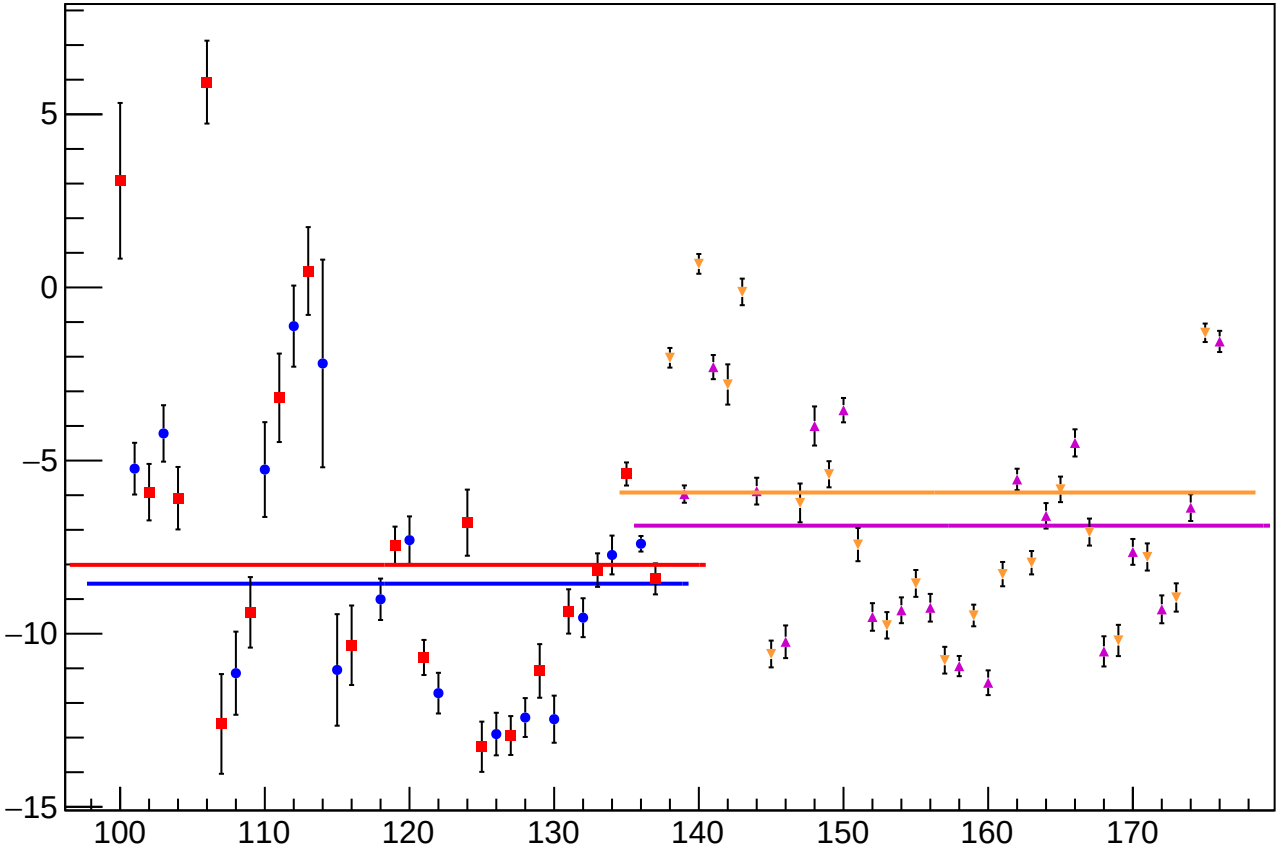
Left In: -54.917+/-0.065 χ^2/NDF:1914.2/18

+ sign -55.305+/-0.057 χ^2/NDF: 8037.7/35

All: -55.369+/-0.041 χ^2/NDF: 16103.5/73

- sign -55.436+/-0.059 χ^2/NDF: 8063.2/37

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.922+/-0.082 χ^2/NDF:2125.7/19

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

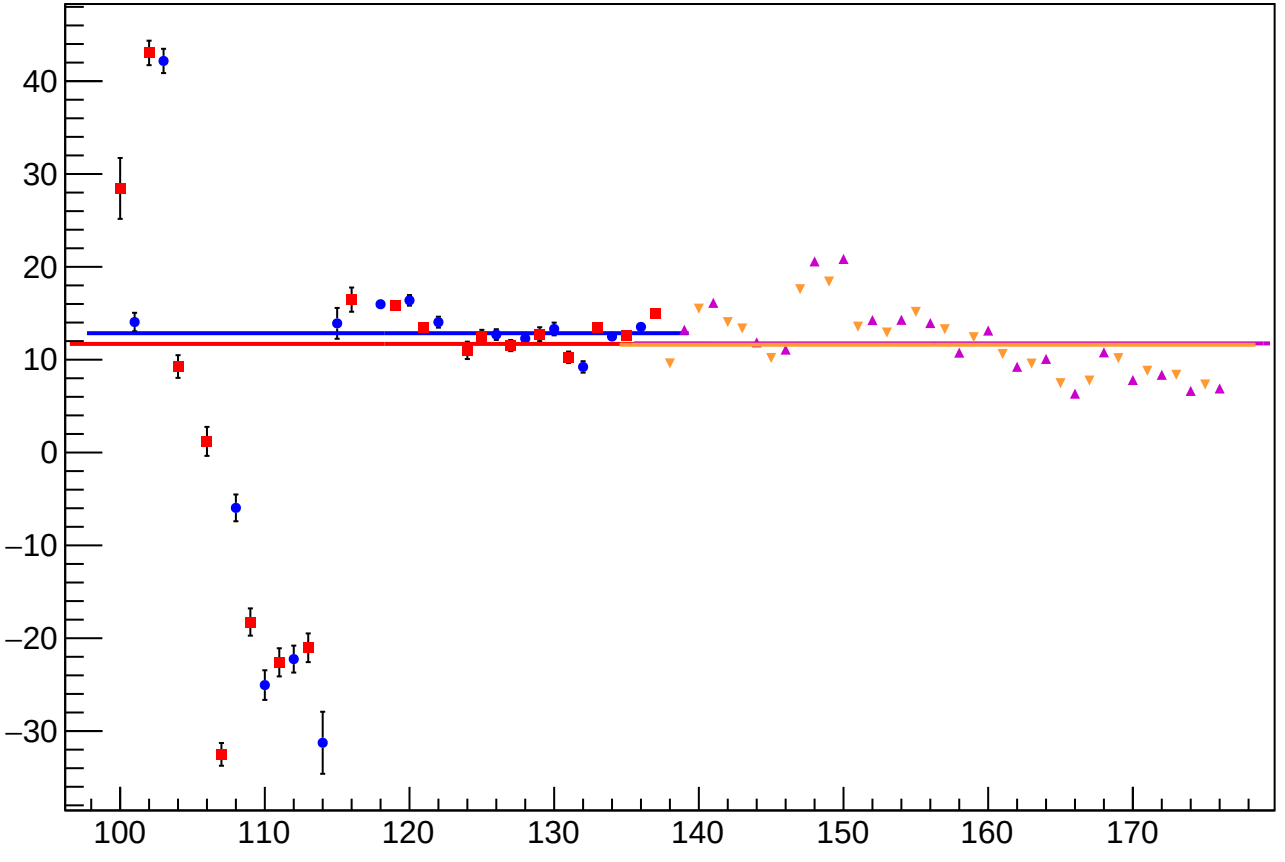
Left In: -6.879+/-0.083 χ^2/NDF:1304.2/18

+ sign -6.563+/-0.071 χ^2/NDF: 2676.9/35

All: -6.844+/-0.051 χ^2/NDF: 4544.4/73

- sign -7.135+/-0.073 χ^2/NDF: 1836.0/37

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.614+/-0.070 χ^2/NDF:2047.1/19

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

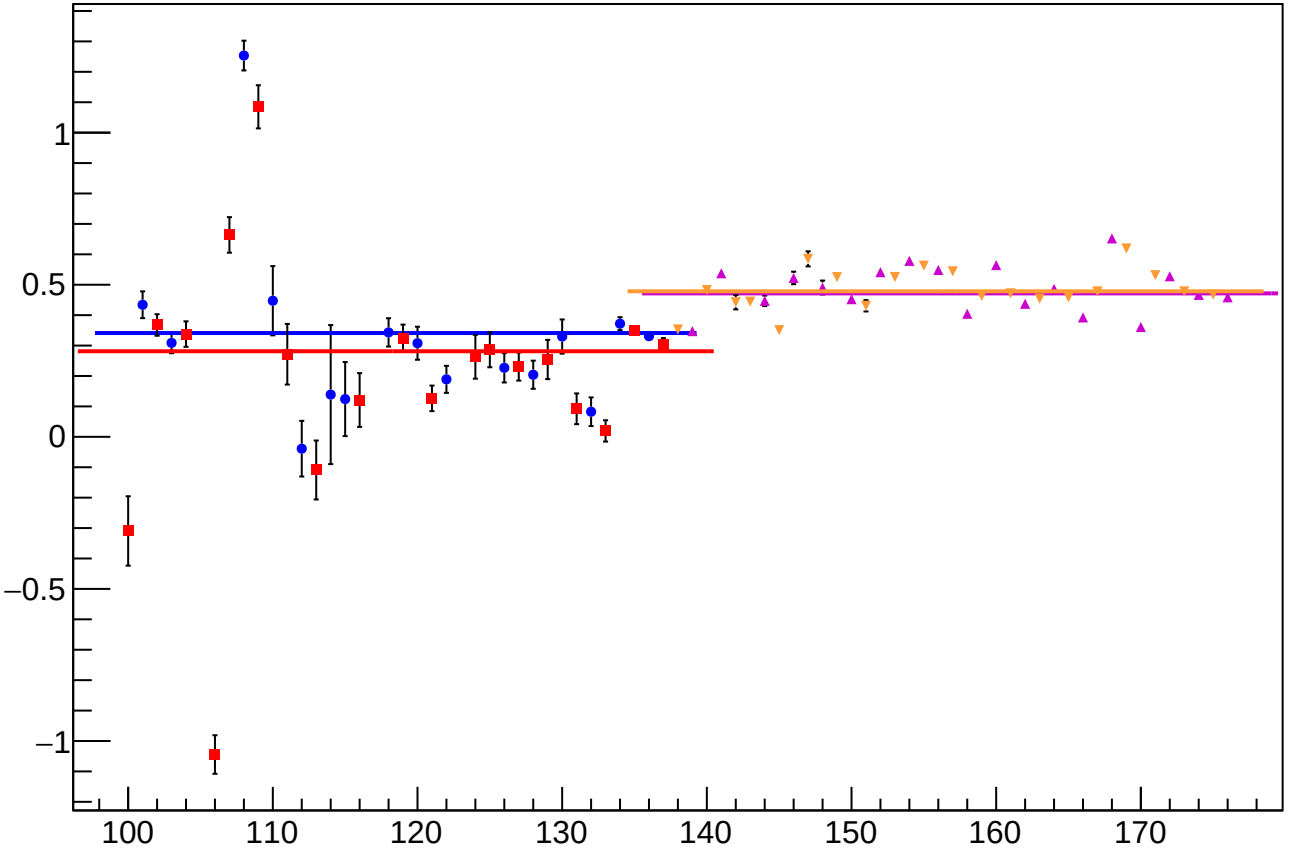
Left In: 11.755+/-0.072 χ^2/NDF:3030.0/18

\+ sign 11.837+/-0.064 χ^2/NDF: 4231.2/35

All: 11.792+/-0.046 χ^2/NDF: 10761.1/73

\- sign 11.745+/-0.065 χ^2/NDF: 6528.9/37

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.478+/-0.003 χ^2/NDF:428.0/19

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

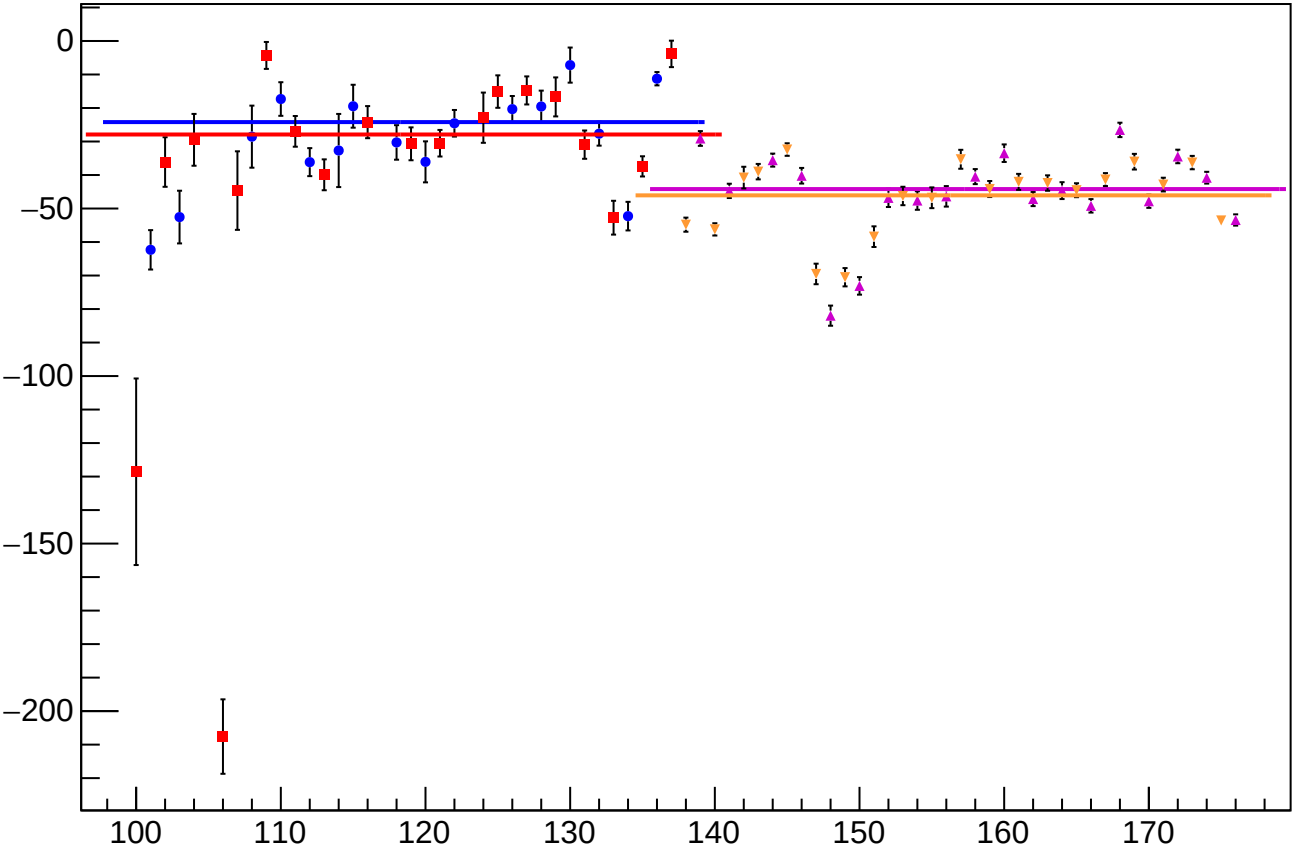
Left In: 0.472+/-0.003 χ^2/NDF:728.8/18

\+ sign 0.460+/-0.003 χ^2/NDF: 1125.8/35

All: 0.455+/-0.002 χ^2/NDF: 3085.1/73

\- sign 0.450+/-0.003 χ^2/NDF: 1953.0/37

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -46.070+/-0.503 χ^2/NDF:364.3/19

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

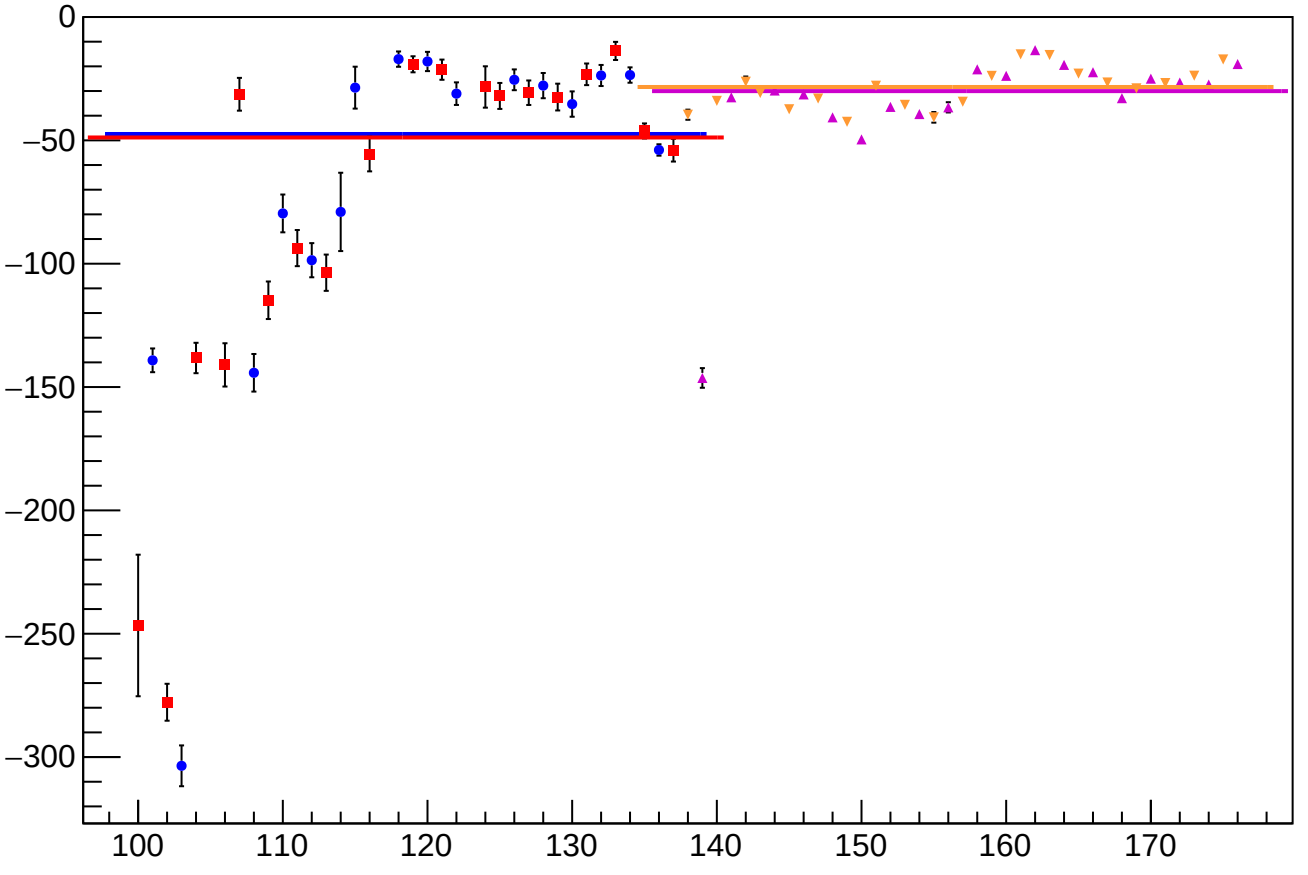
Left In: -44.192+/-0.509 χ^2/NDF:507.9/18

+ sign -42.204+/-0.457 χ^2/NDF: 868.5/35

All: -41.847+/-0.326 χ^2/NDF: 1962.1/73

- sign -41.478+/-0.464 χ^2/NDF: 1092.3/37

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -28.367+/-0.370 χ^2/NDF:438.5/19

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

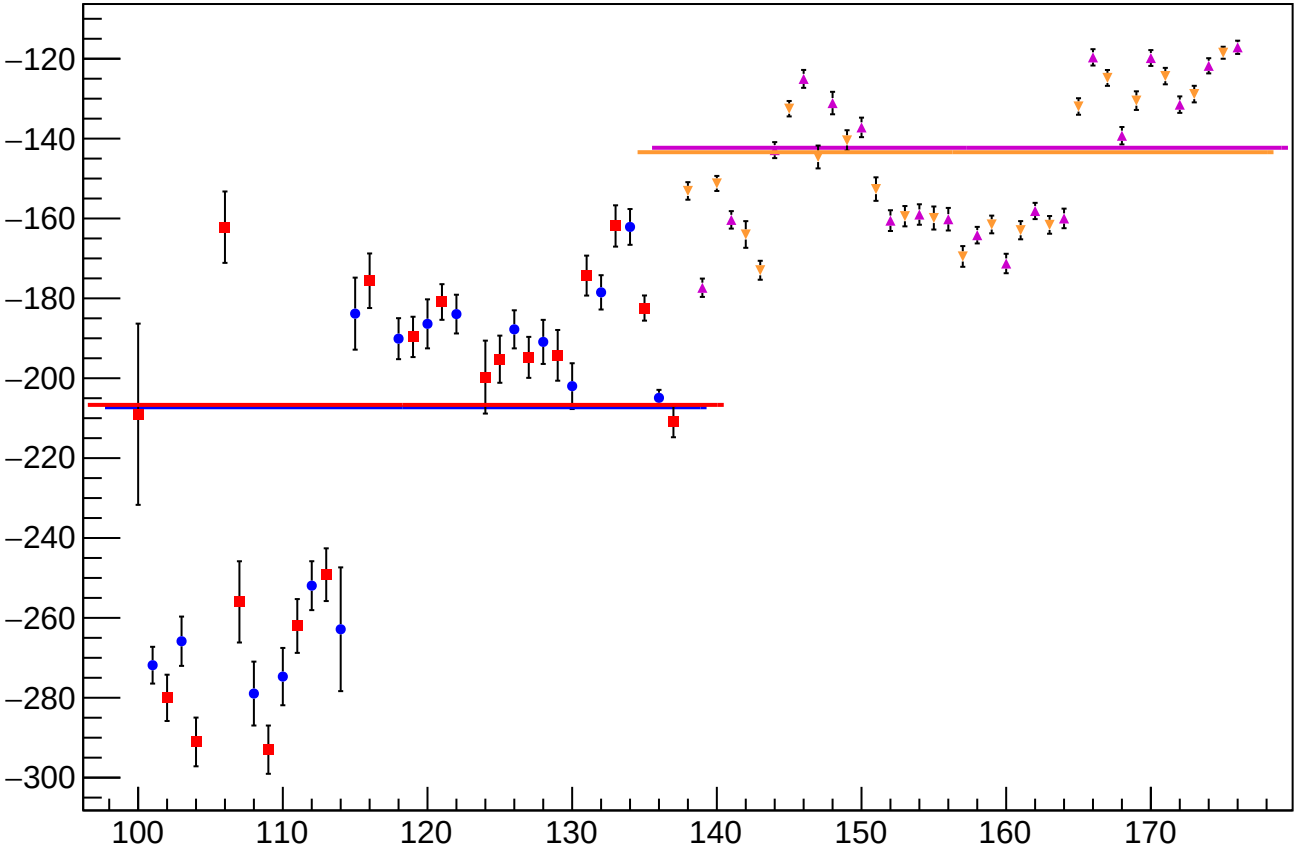
Left In: -30.043+/-0.378 χ^2/NDF:1360.9/18

+ sign -30.301+/-0.351 χ^2/NDF: 2581.1/35

All: -31.023+/-0.251 χ^2/NDF: 5954.4/73

- sign -31.783+/-0.360 χ^2/NDF: 3364.6/37

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -143.403+/-0.499 χ^2/NDF:1212.3/19

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

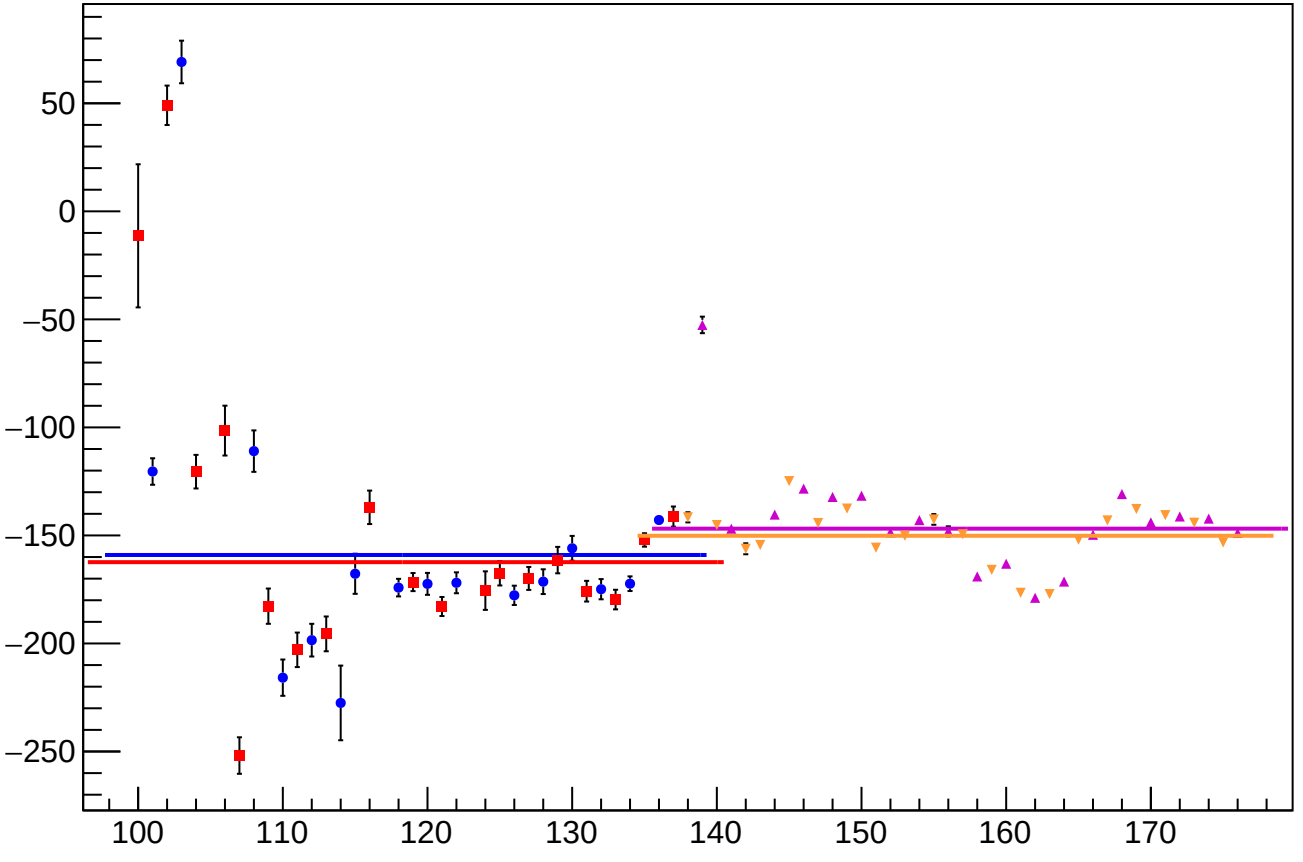
Left In: -142.296+/-0.503 χ^2/NDF:1504.5/18

+ sign -153.106+/-0.459 χ^2/NDF: 4451.9/35

All: -152.030+/-0.328 χ^2/NDF: 9129.9/73

- sign -150.912+/-0.468 χ^2/NDF: 4666.8/37

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -150.152+/-0.419 χ^2/NDF:987.6/19

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

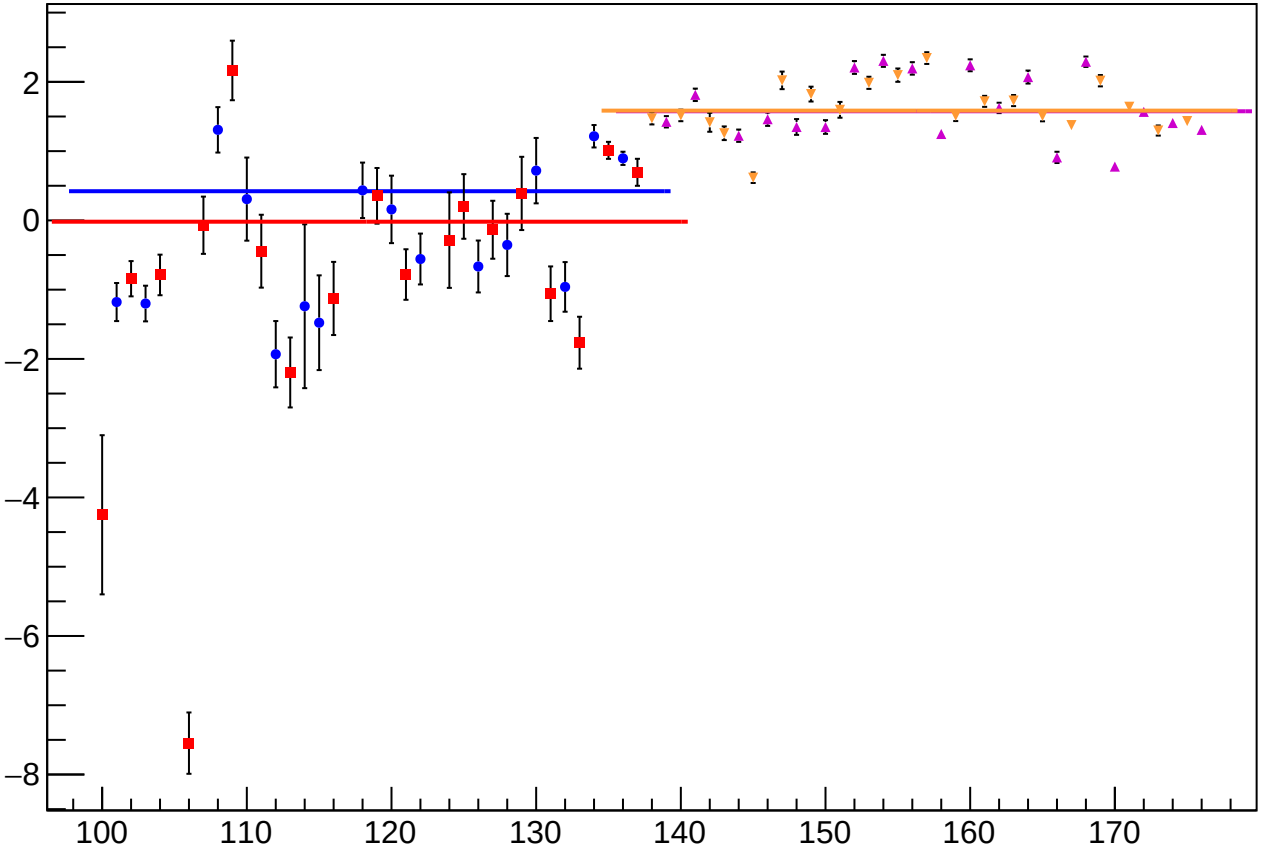
Left In: -146.865+/-0.426 χ^2/NDF:1711.9/18

+ sign -151.082+/-0.396 χ^2/NDF: 1850.5/35

All: -149.731+/-0.283 χ^2/NDF: 4583.1/73

- sign -148.317+/-0.405 χ^2/NDF: 2708.7/37

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.585+/-0.019 χ^2/NDF:385.2/19

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

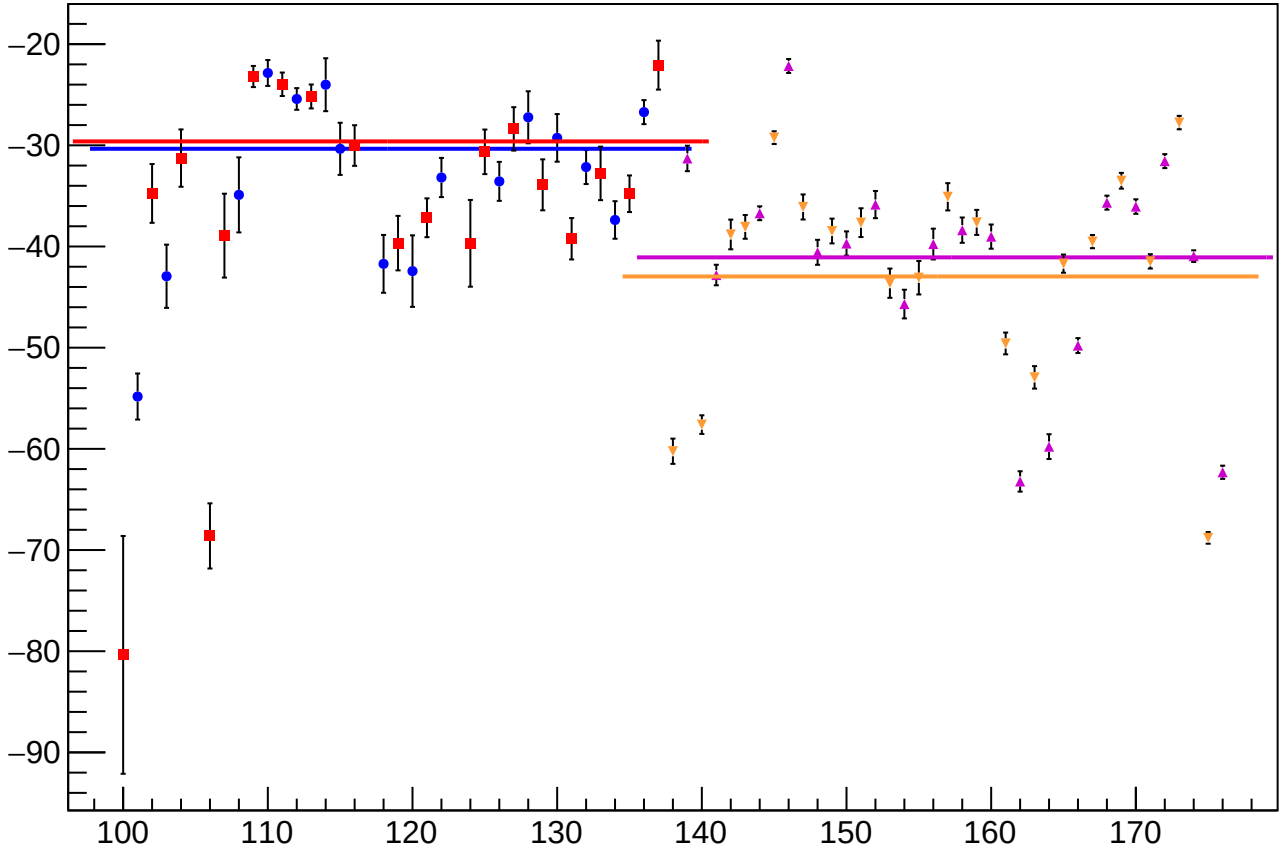
Left In: 1.576+/-0.019 χ^2/NDF:625.4/18

\+ sign 1.494+/-0.018 χ^2/NDF: 879.7/35

All: 1.485+/-0.013 χ^2/NDF: 2449.5/73

\- sign 1.476+/-0.018 χ^2/NDF: 1569.3/37

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -42.962+/-0.206 χ^2/NDF:3886.5/19

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

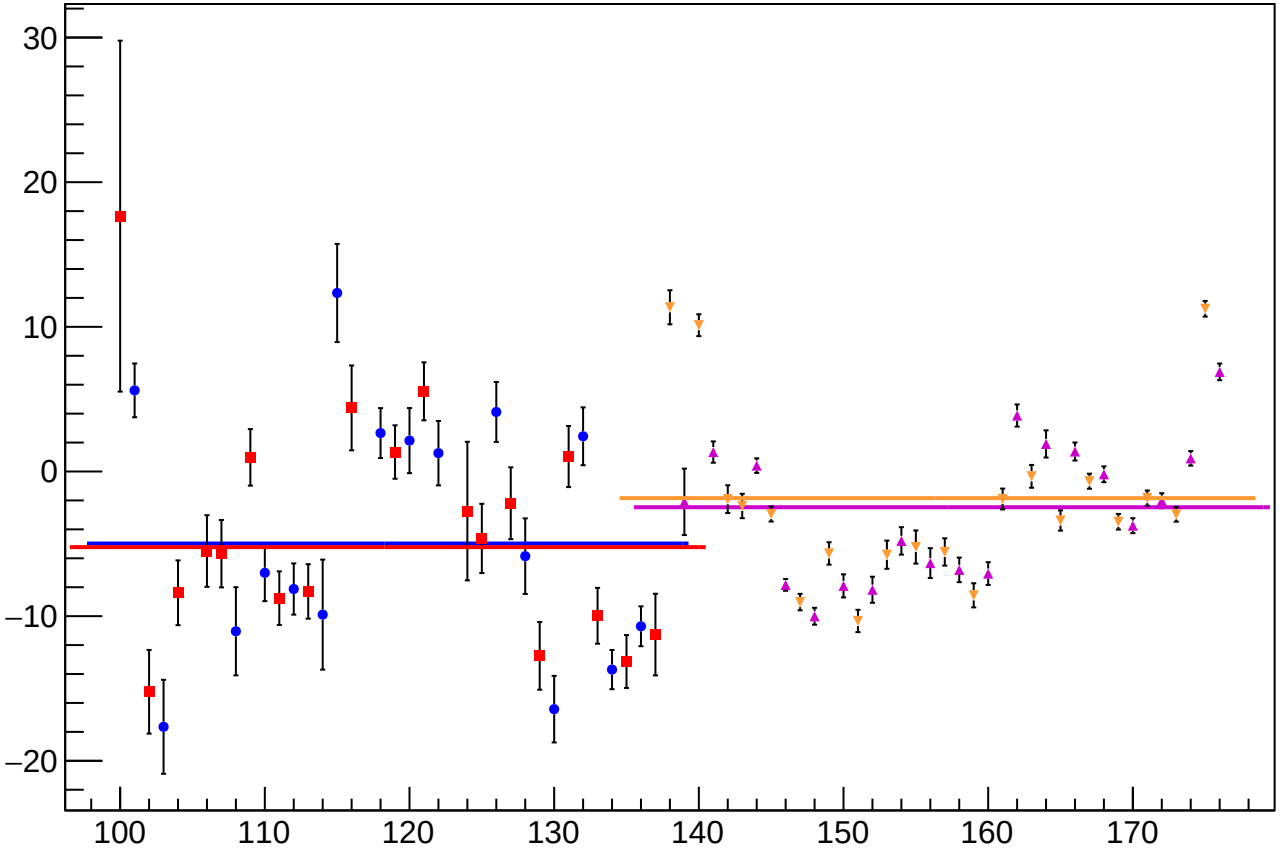
Left In: -41.074+/-0.200 χ^2/NDF:3101.6/18

+ sign -40.910+/-0.189 χ^2/NDF: 4749.5/35

All: -40.021+/-0.131 χ^2/NDF: 8764.1/73

- sign -39.185+/-0.183 χ^2/NDF: 3971.5/37

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -1.840+/-0.152 χ^2/NDF:1401.7/19

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

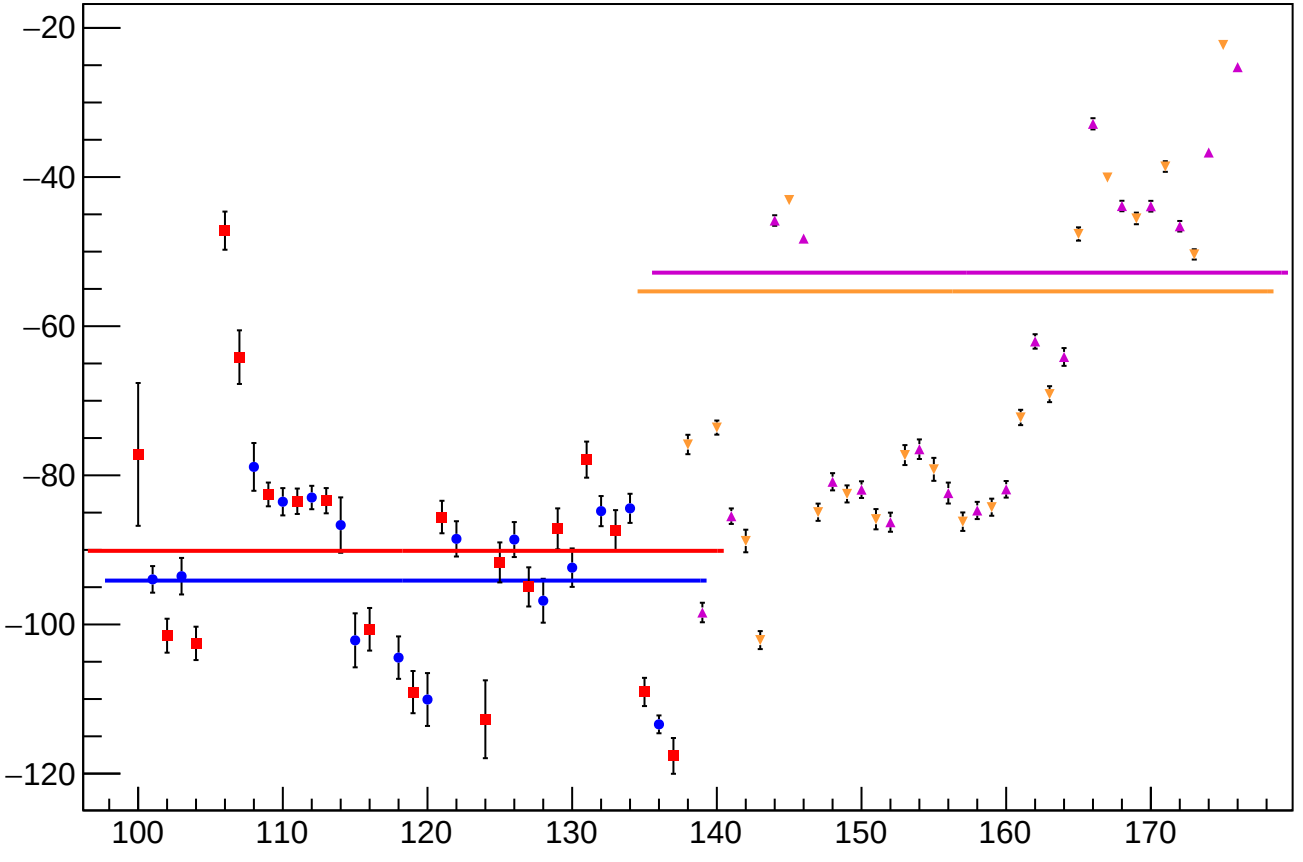
Left In: -2.470+/-0.147 χ^2/NDF:1030.9/18

+ sign -2.097+/-0.146 χ^2/NDF: 1673.8/35

All: -2.393+/-0.102 χ^2/NDF: 2874.9/73

- sign -2.672+/-0.142 χ^2/NDF: 1193.1/37

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -55.331+/-0.206 χ^2/NDF:11530.1/19

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

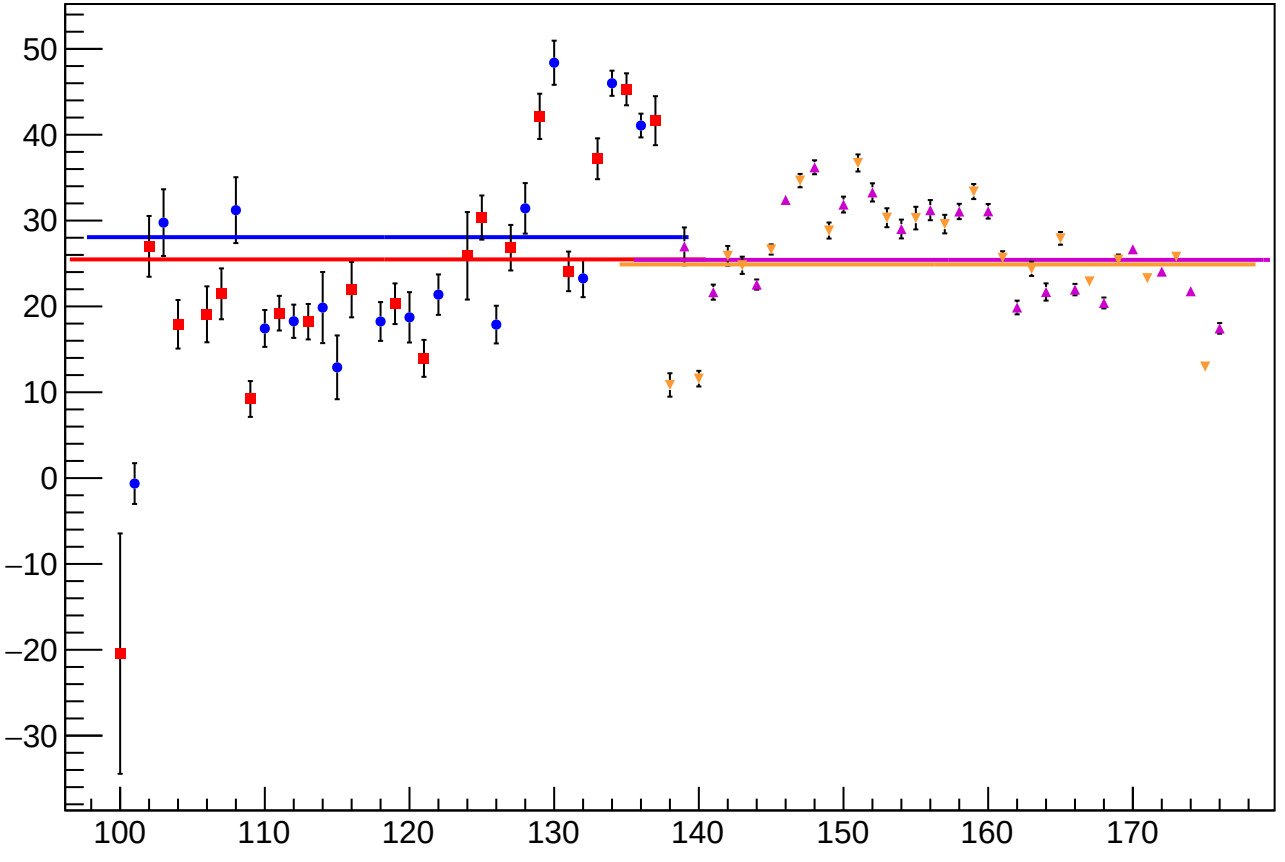
Left In: -52.820+/-0.200 χ^2/NDF:10277.3/18

\+ sign -60.288+/-0.192 χ^2/NDF: 16546.0/35

All: -58.742+/-0.134 χ^2/NDF: 31897.9/73

\- sign -57.268+/-0.187 χ^2/NDF: 15225.2/37

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 24.890+/-0.172 χ^2/NDF:1279.5/19

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

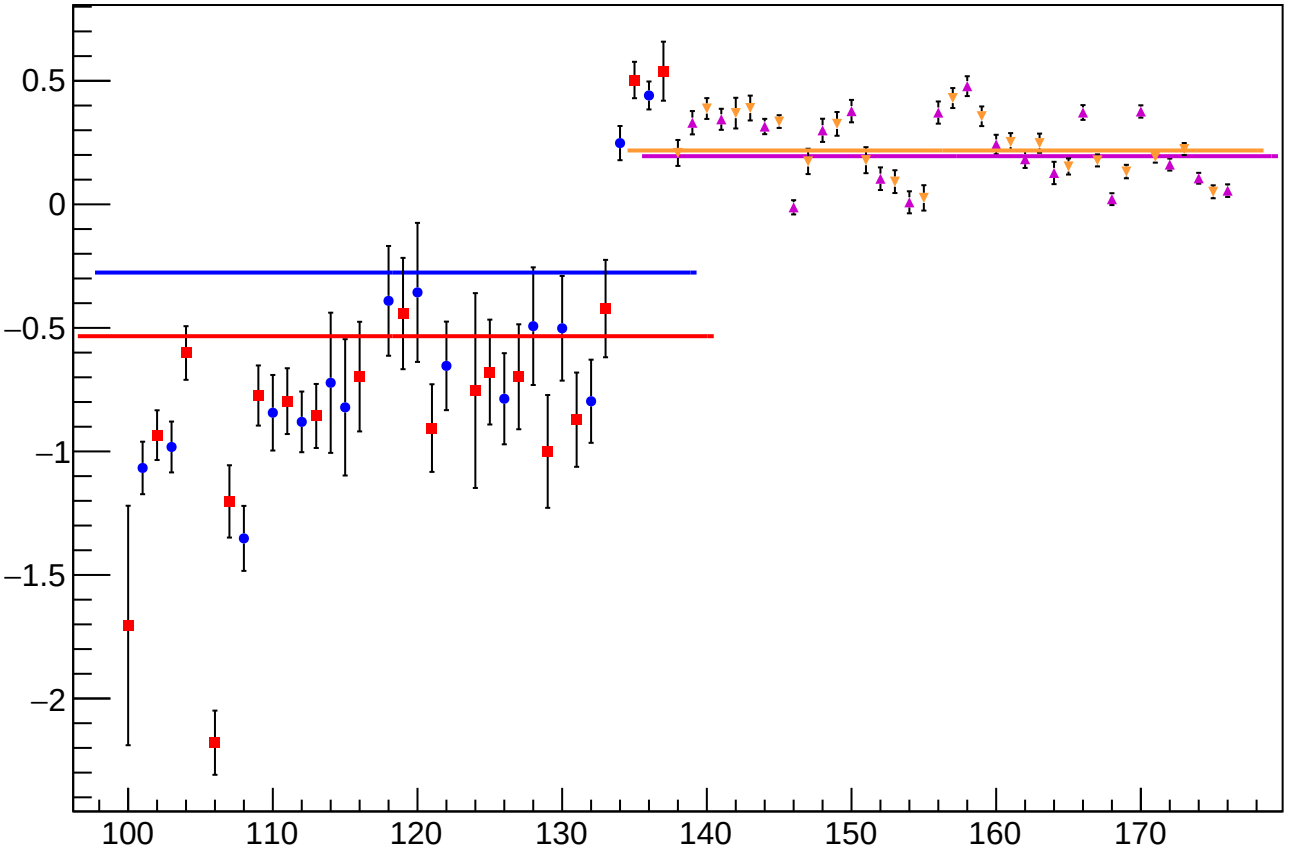
Left In: 25.423+/-0.167 χ^2/NDF:1005.2/18

+ sign 25.155+/-0.164 χ^2/NDF: 1891.2/35

All: 25.294+/-0.115 χ^2/NDF: 3252.5/73

- sign 25.427+/-0.161 χ^2/NDF: 1359.9/37

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.218+/-0.008 χ^2/NDF:181.7/19

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

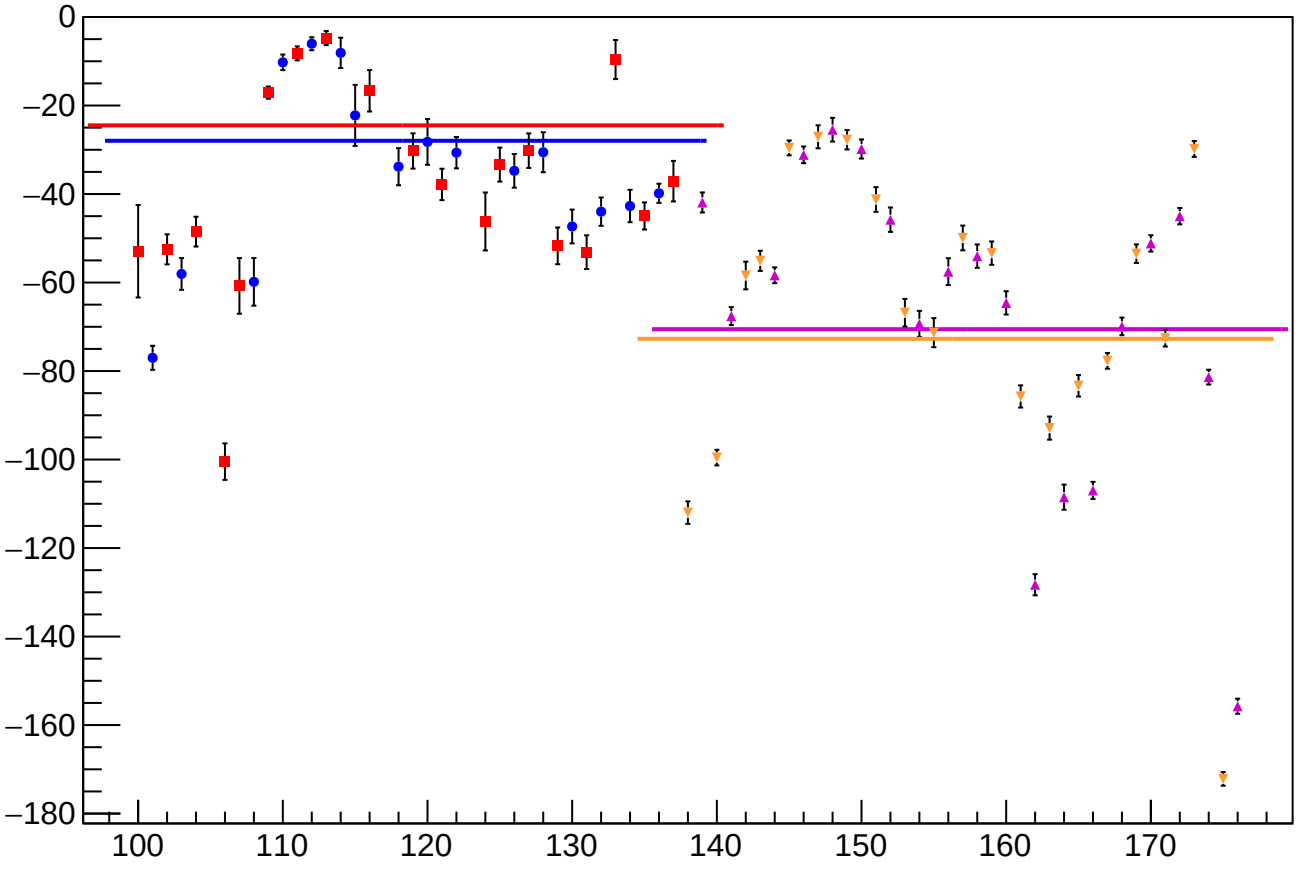
Left In: 0.195+/-0.007 χ^2/NDF:387.2/18

+ sign 0.188+/-0.008 χ^2/NDF: 881.7/35

All: 0.173+/-0.005 χ^2/NDF: 2254.7/73

- sign 0.159+/-0.007 χ^2/NDF: 1365.2/37

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -72.717+/-0.493 χ^2/NDF:7106.6/19

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

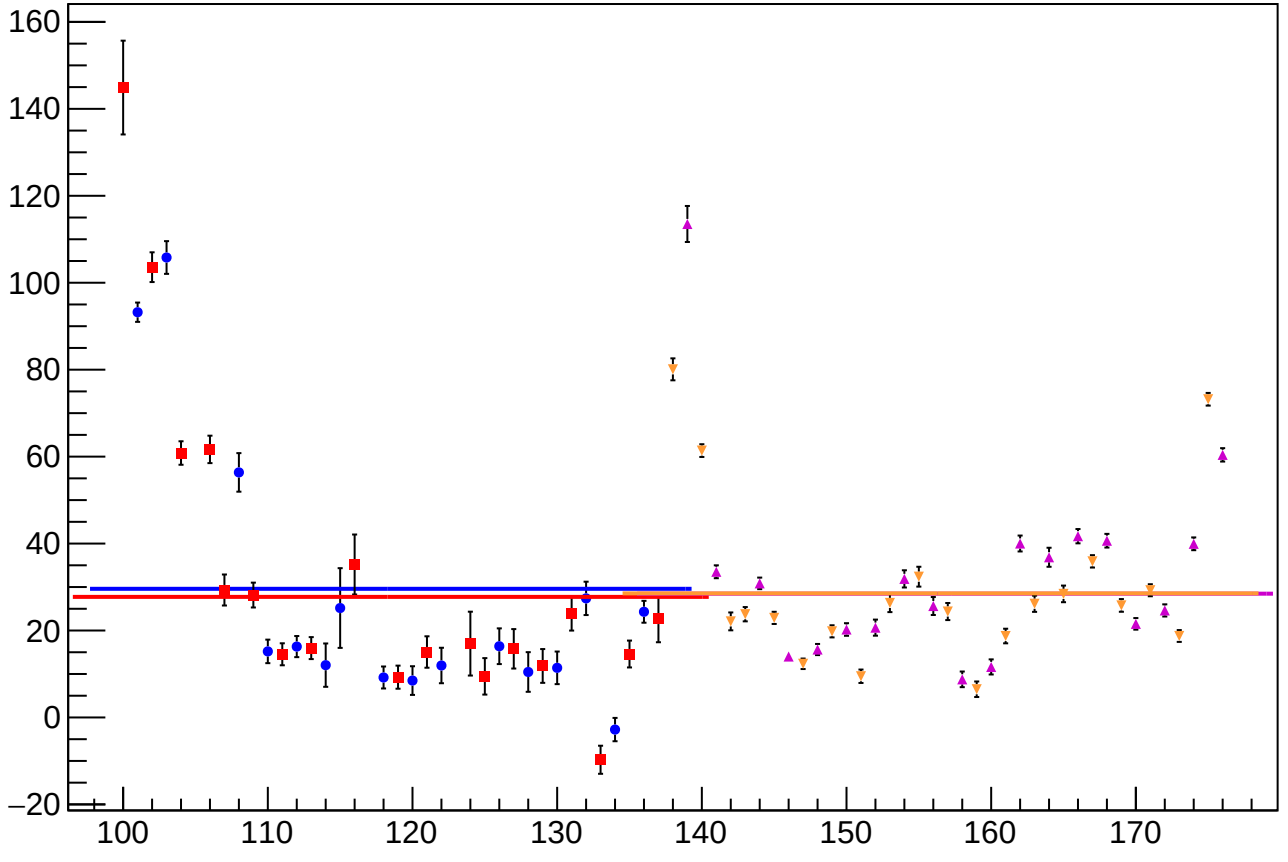
Left In: -70.541+/-0.492 χ^2/NDF:5366.2/18

+ sign -58.641+/-0.408 χ^2/NDF: 10594.1/35

All: -56.336+/-0.284 χ^2/NDF: 20123.9/73

- sign -54.176+/-0.395 χ^2/NDF: 9468.1/37

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 28.545+/-0.359 χ^2/NDF:2538.6/19

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

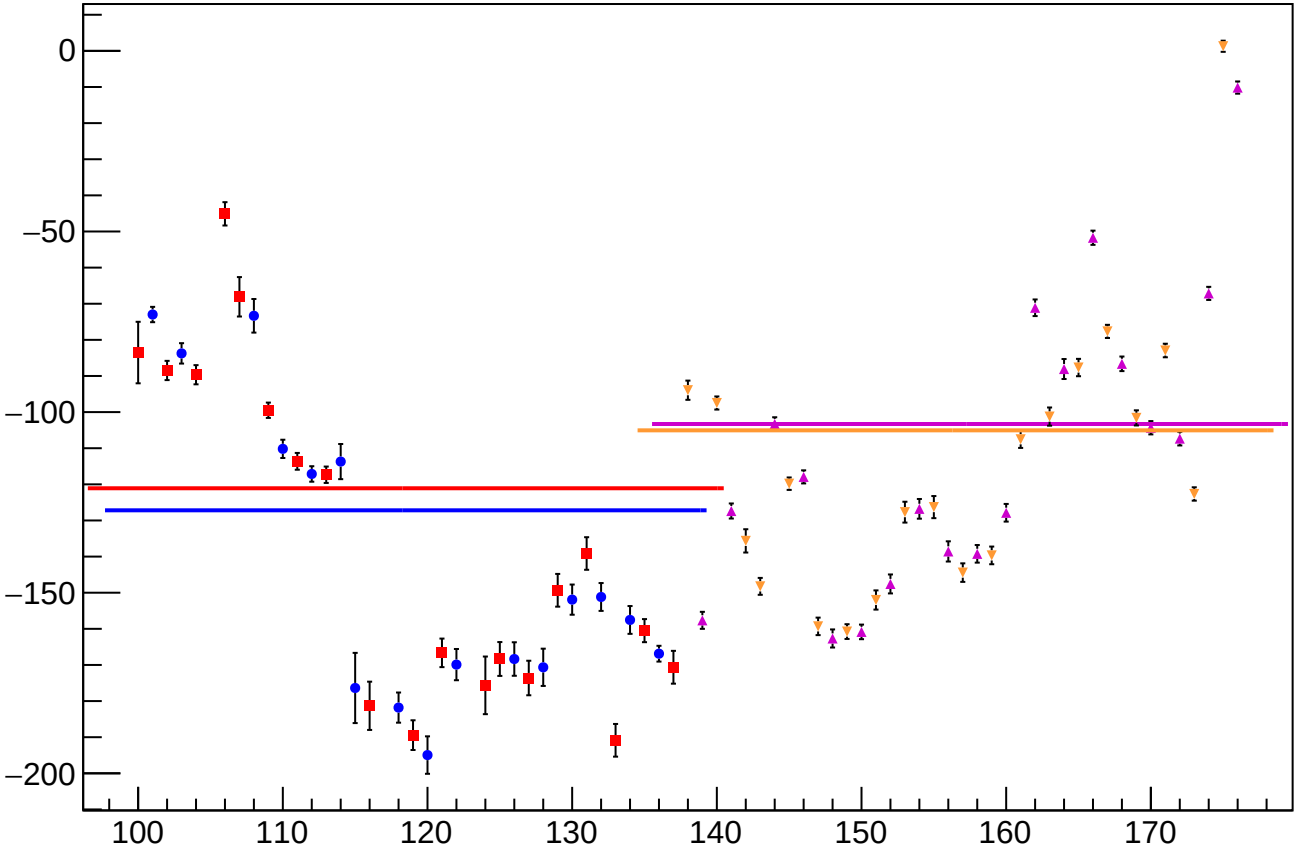
Left In: 28.473+/-0.363 χ^2/NDF:1668.7/18

+ sign 28.718+/-0.328 χ^2/NDF: 4205.7/35

All: 28.533+/-0.233 χ^2/NDF: 7060.8/73

- sign 28.346+/-0.330 χ^2/NDF: 2854.5/37

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -105.050+/-0.489 χ^2/NDF:7895.0/19

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

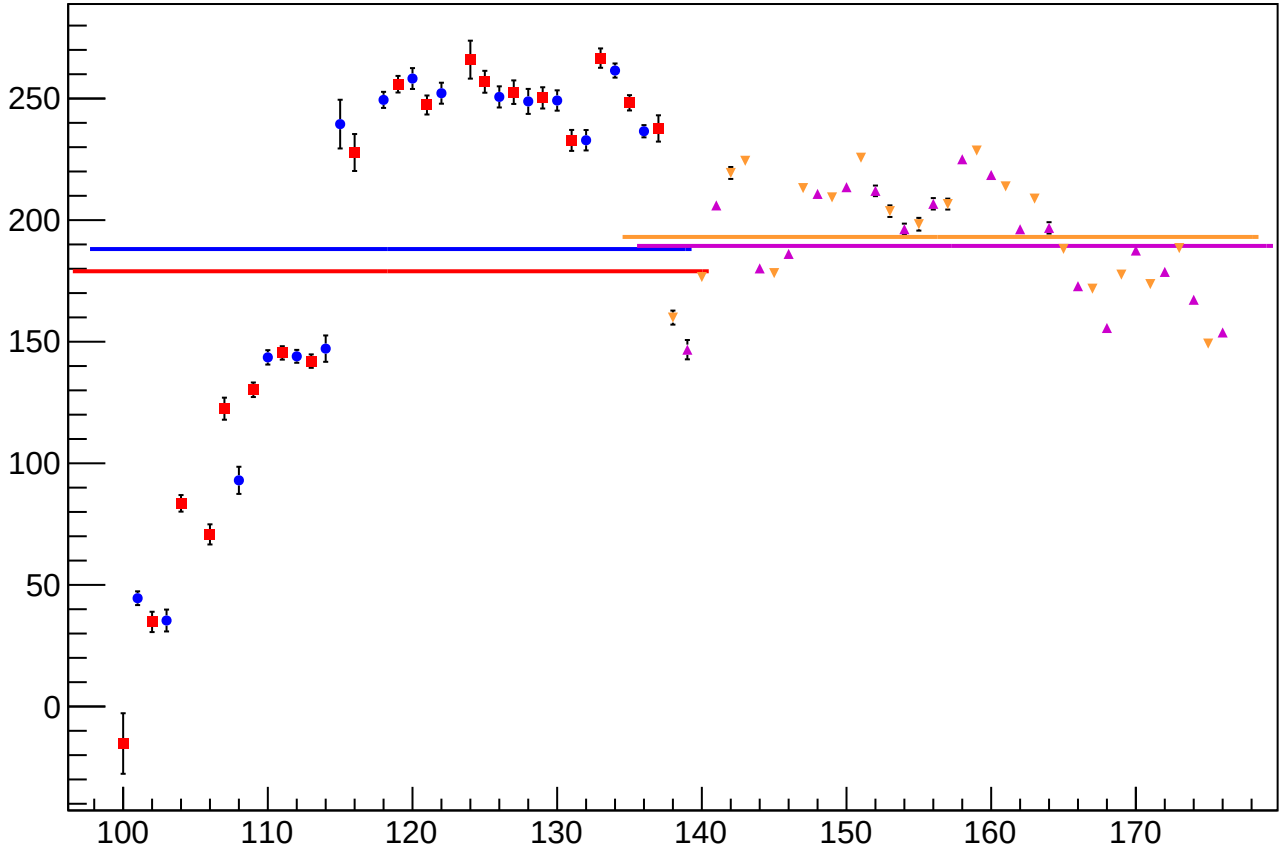
Left In: -103.294+/-0.488 χ^2/NDF:7359.8/18

+ sign -110.756+/-0.421 χ^2/NDF: 10602.1/35

All: -109.430+/-0.296 χ^2/NDF: 20740.9/73

- sign -108.135+/-0.416 χ^2/NDF: 10119.2/37

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 193.089+/-0.409 χ^2/NDF:3091.3/19

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

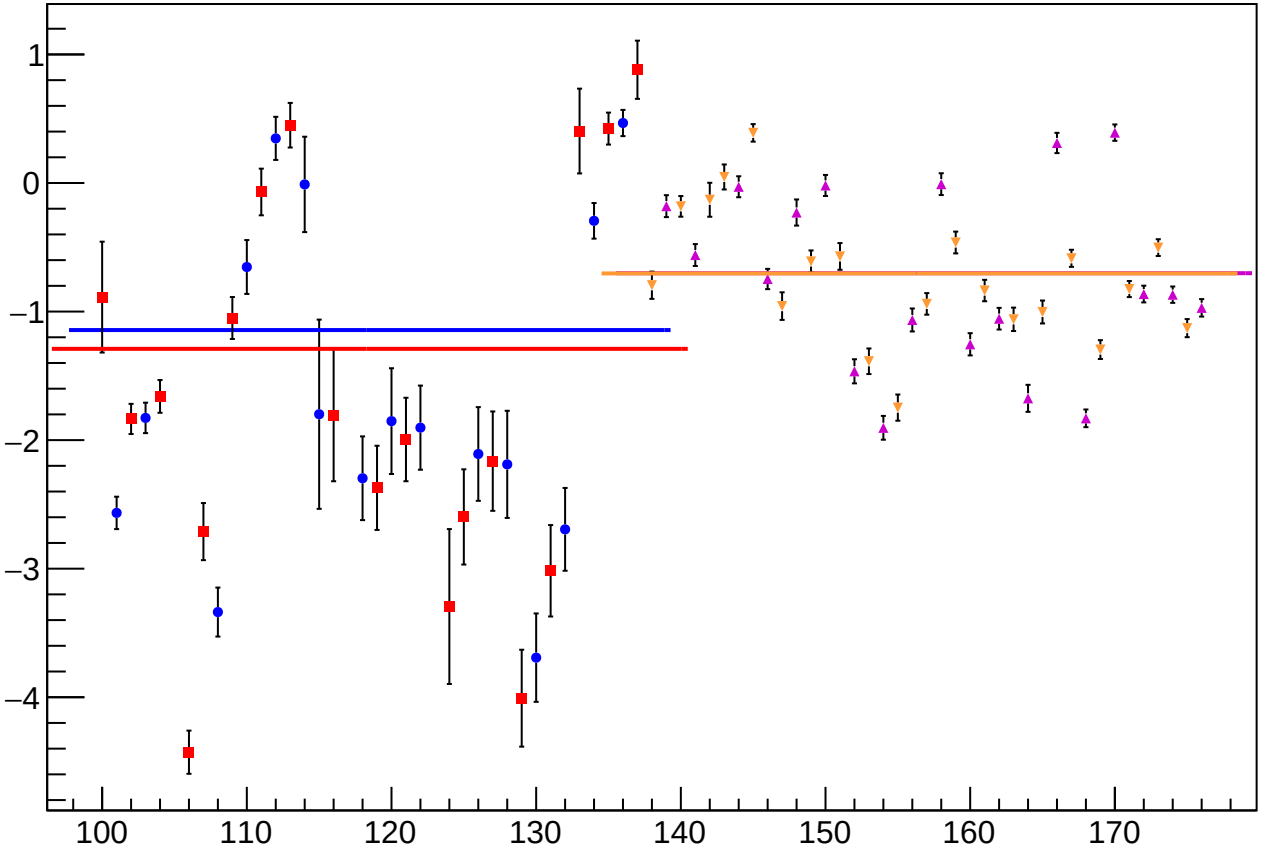
Left In: 189.396+/-0.412 χ^2/NDF:2537.3/18

+ sign 192.264+/-0.374 χ^2/NDF: 10234.5/35

All: 189.950+/-0.265 χ^2/NDF: 19626.9/73

- sign 187.616+/-0.375 χ^2/NDF: 9315.4/37

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.703+/-0.019 χ^2/NDF:702.6/19

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

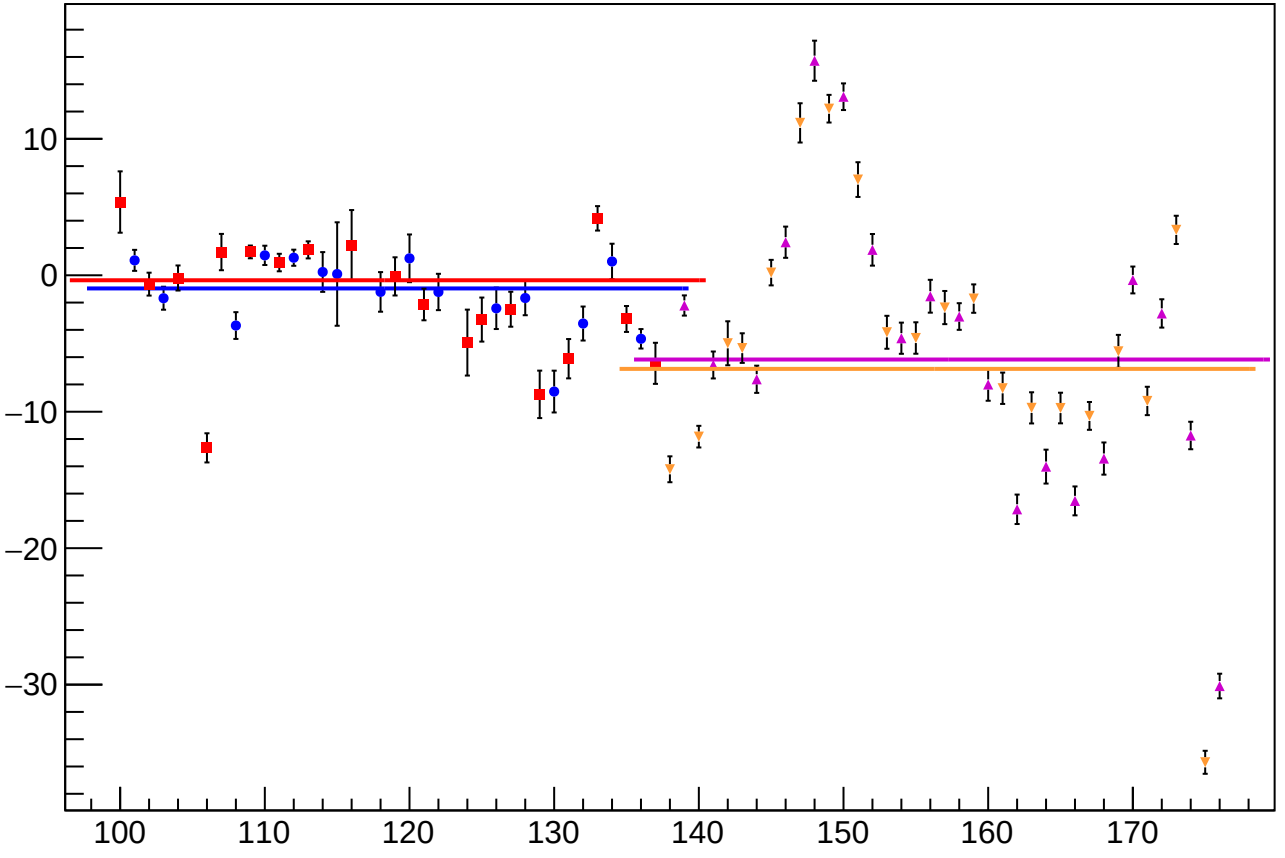
Left In: -0.702+/-0.018 χ^2/NDF:1419.6/18

+ sign -0.761+/-0.017 χ^2/NDF: 1563.2/35

All: -0.769+/-0.012 χ^2/NDF: 4115.5/73

- sign -0.777+/-0.017 χ^2/NDF: 2551.8/37

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -6.860+/-0.240 χ^2/NDF:2134.3/19

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

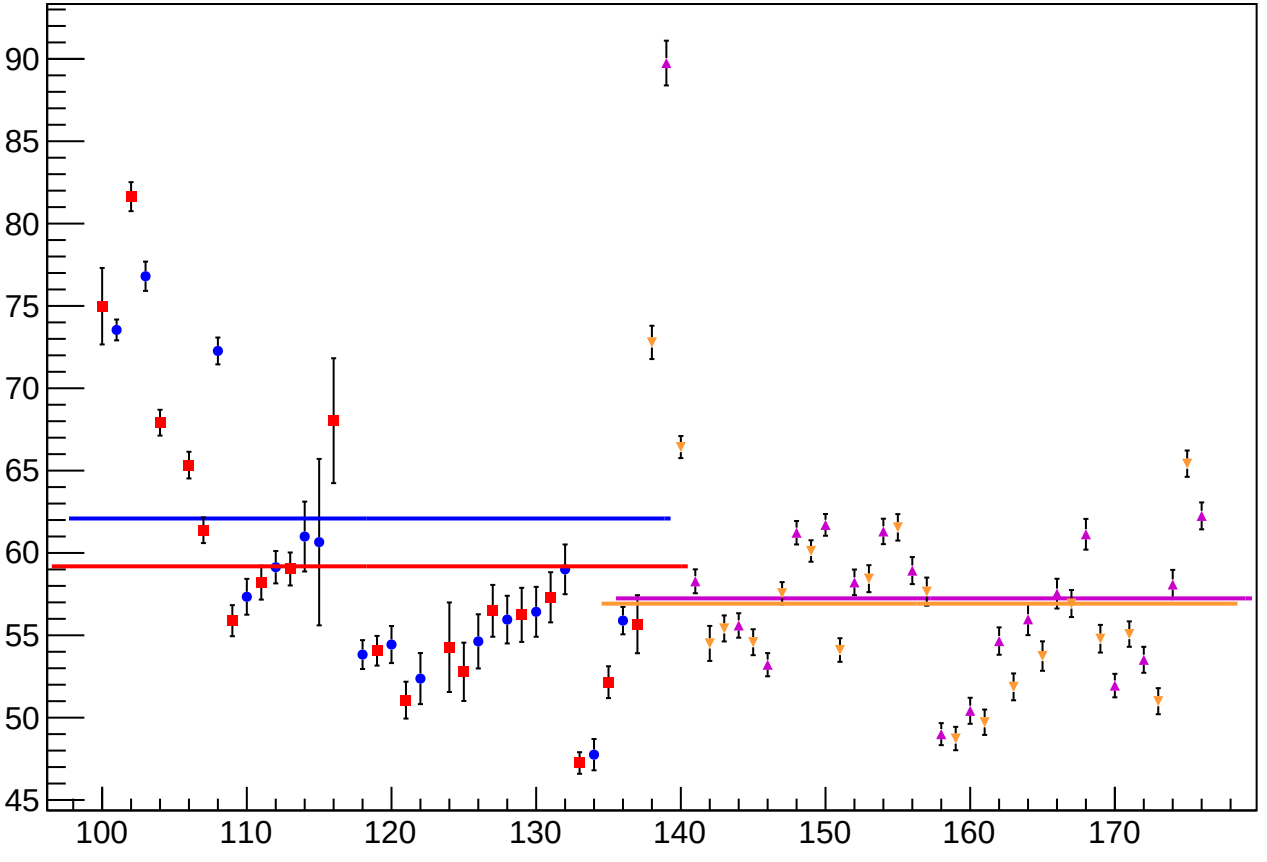
Left In: -6.173+/-0.240 χ^2/NDF:1831.6/18

+ sign -4.075+/-0.174 χ^2/NDF: 2523.6/35

All: -3.540+/-0.119 χ^2/NDF: 4967.0/73

- sign -3.066+/-0.164 χ^2/NDF: 2425.6/37

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 56.923+/-0.176 χ^2/NDF:995.4/19

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

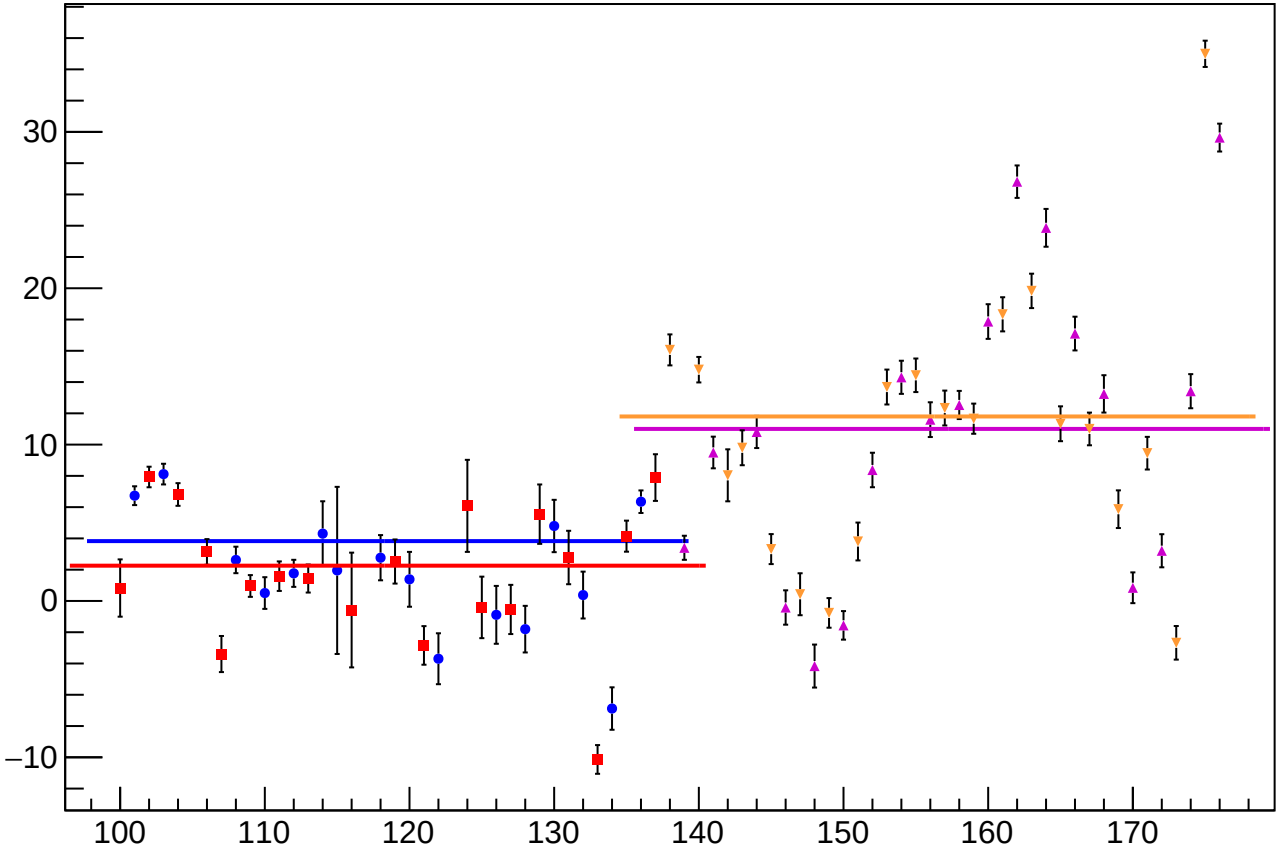
Left In: 57.242+/-0.181 χ^2/NDF:1093.5/18

+ sign 58.499+/-0.147 χ^2/NDF: 2560.6/35

All: 58.215+/-0.103 χ^2/NDF: 5104.7/73

- sign 57.935+/-0.146 χ^2/NDF: 2536.7/37

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 11.799+/-0.236 χ^2/NDF:1480.9/19

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

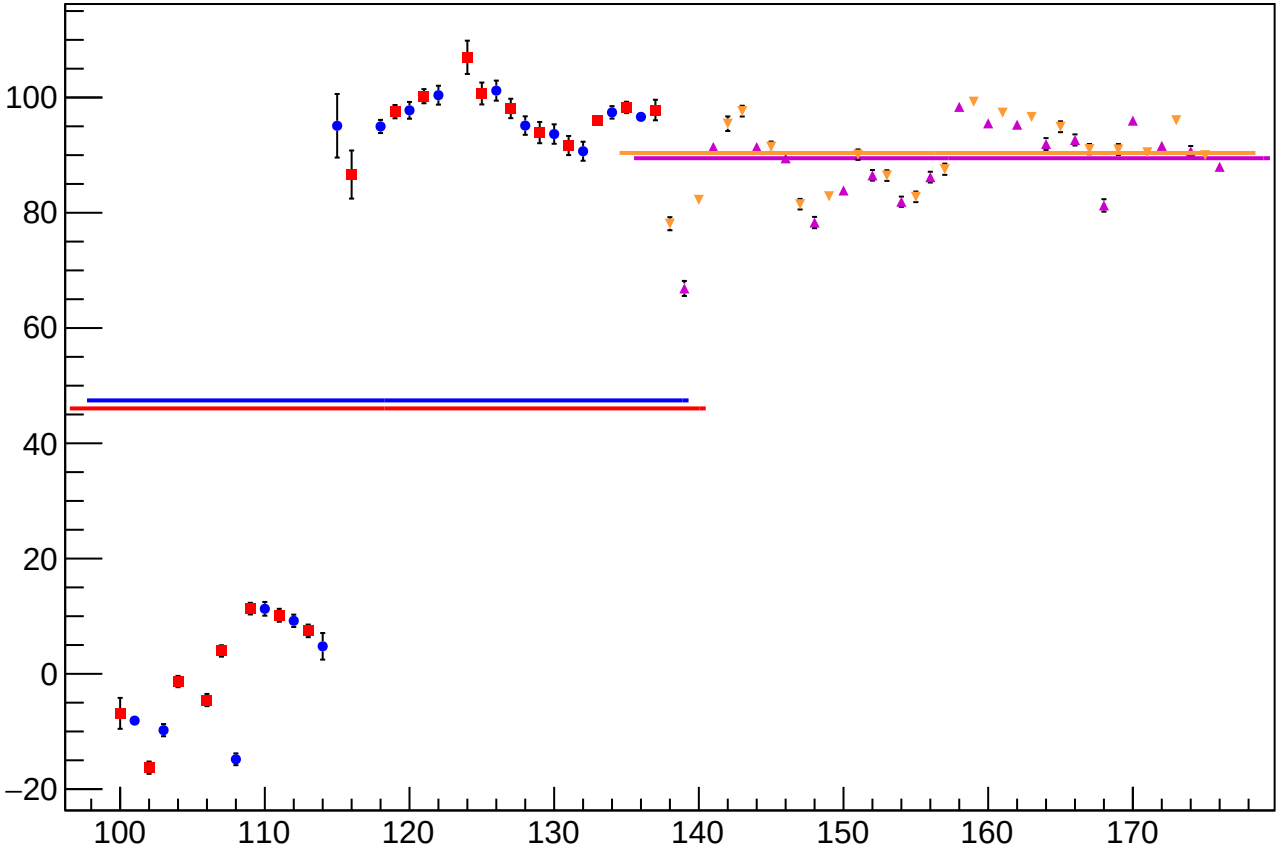
Left In: 11.004+/-0.236 χ^2/NDF:1559.0/18

+ sign 8.277+/-0.176 χ^2/NDF: 2193.5/35

All: 7.522+/-0.123 χ^2/NDF: 4816.4/73

- sign 6.816+/-0.171 χ^2/NDF: 2587.5/37

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.378+/-0.199 χ^2/NDF:917.6/19

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

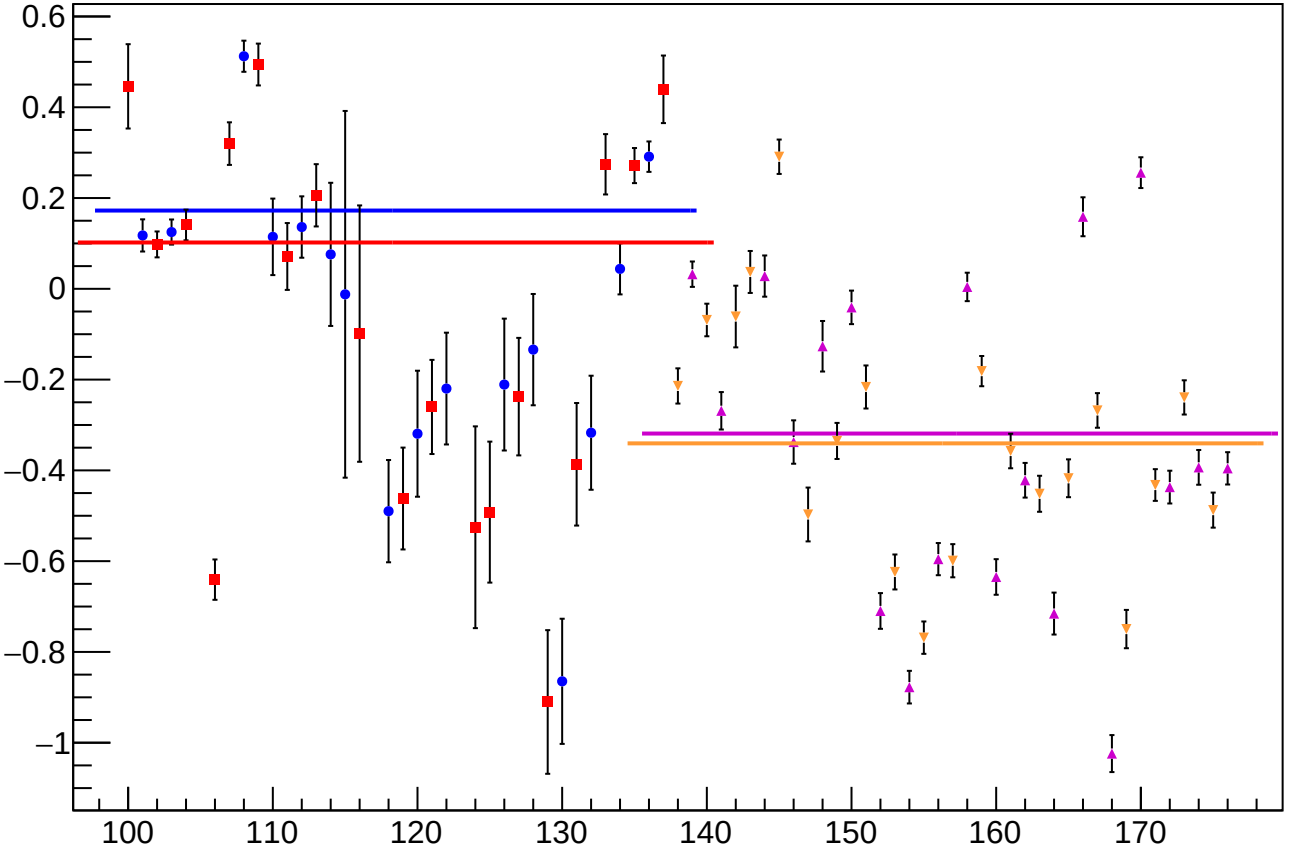
Left In: 89.465+/-0.204 χ^2/NDF:1001.2/18

+ sign 77.704+/-0.167 χ^2/NDF: 41495.1/35

All: 76.205+/-0.118 χ^2/NDF: 86944.7/73

- sign 74.738+/-0.166 χ^2/NDF: 45290.9/37

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.340+/-0.009 χ^2/NDF:852.2/19

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

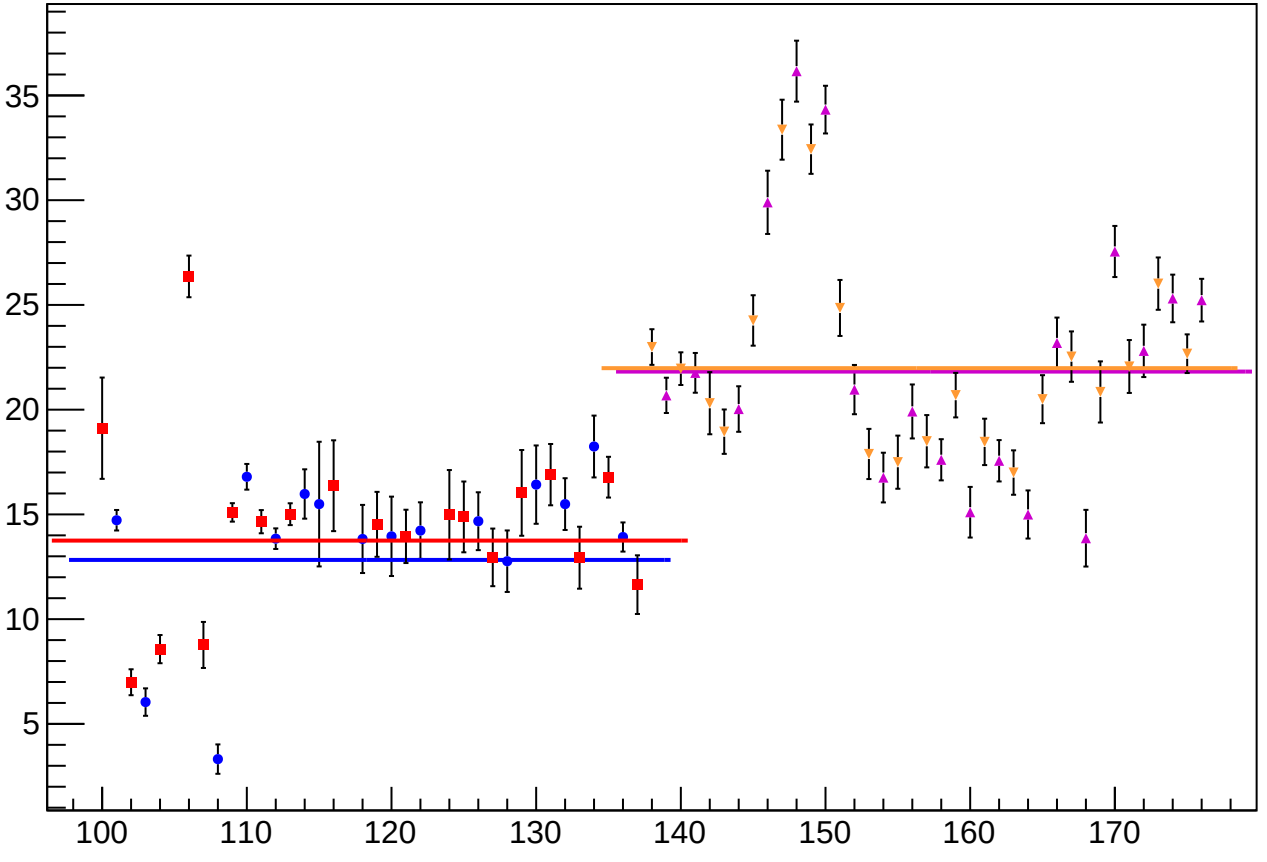
Left In: -0.319+/-0.009 χ^2/NDF:1669.4/18

+ sign -0.195+/-0.008 χ^2/NDF: 2058.9/35

All: -0.195+/-0.005 χ^2/NDF: 4976.2/73

- sign -0.194+/-0.007 χ^2/NDF: 2917.3/37

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.981+/-0.252 χ^2/NDF:240.2/19

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

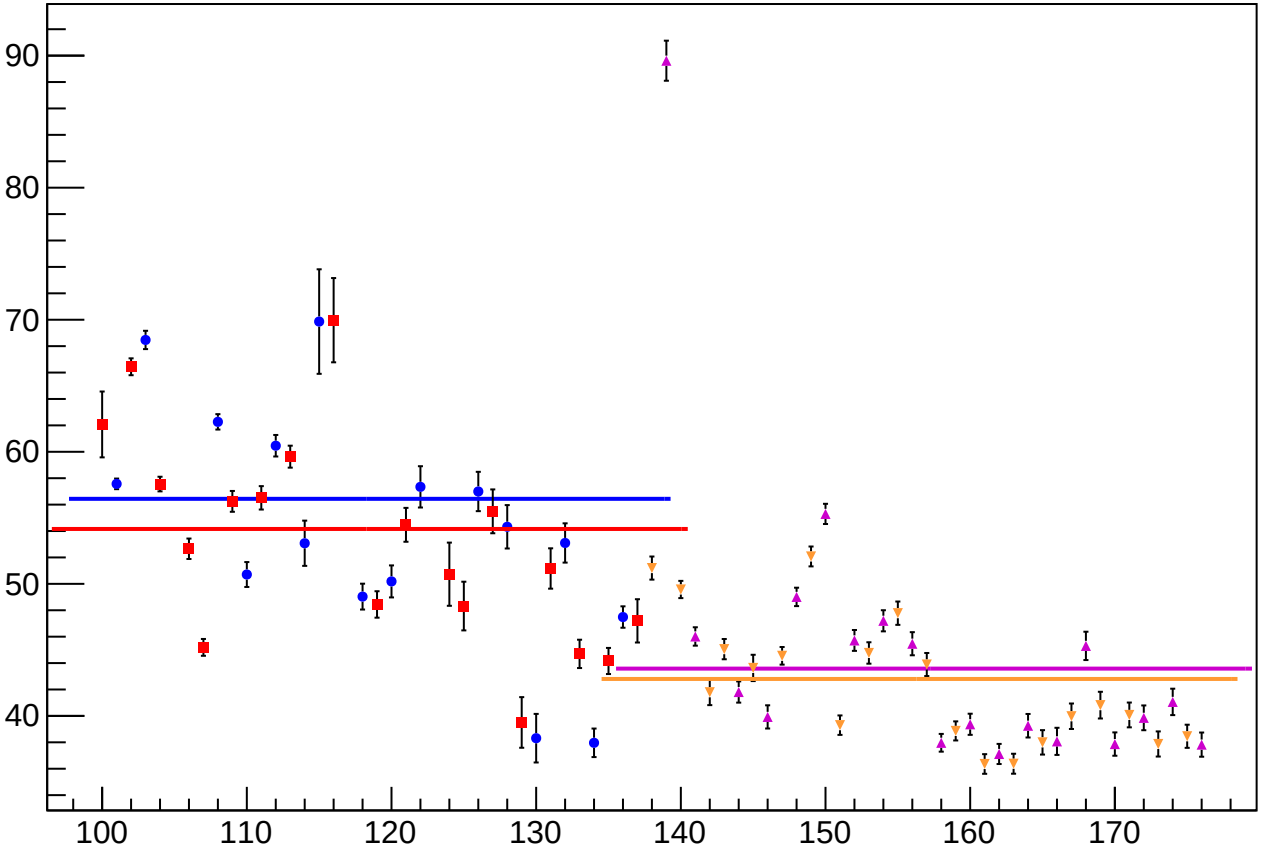
Left In: 21.818+/-0.259 χ^2/NDF:454.1/18

+ sign 16.663+/-0.163 χ^2/NDF: 1394.6/35

All: 16.751+/-0.114 χ^2/NDF: 2850.8/73

- sign 16.836+/-0.160 χ^2/NDF: 1455.6/37

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.798+/-0.184 χ^2/NDF:707.1/19

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

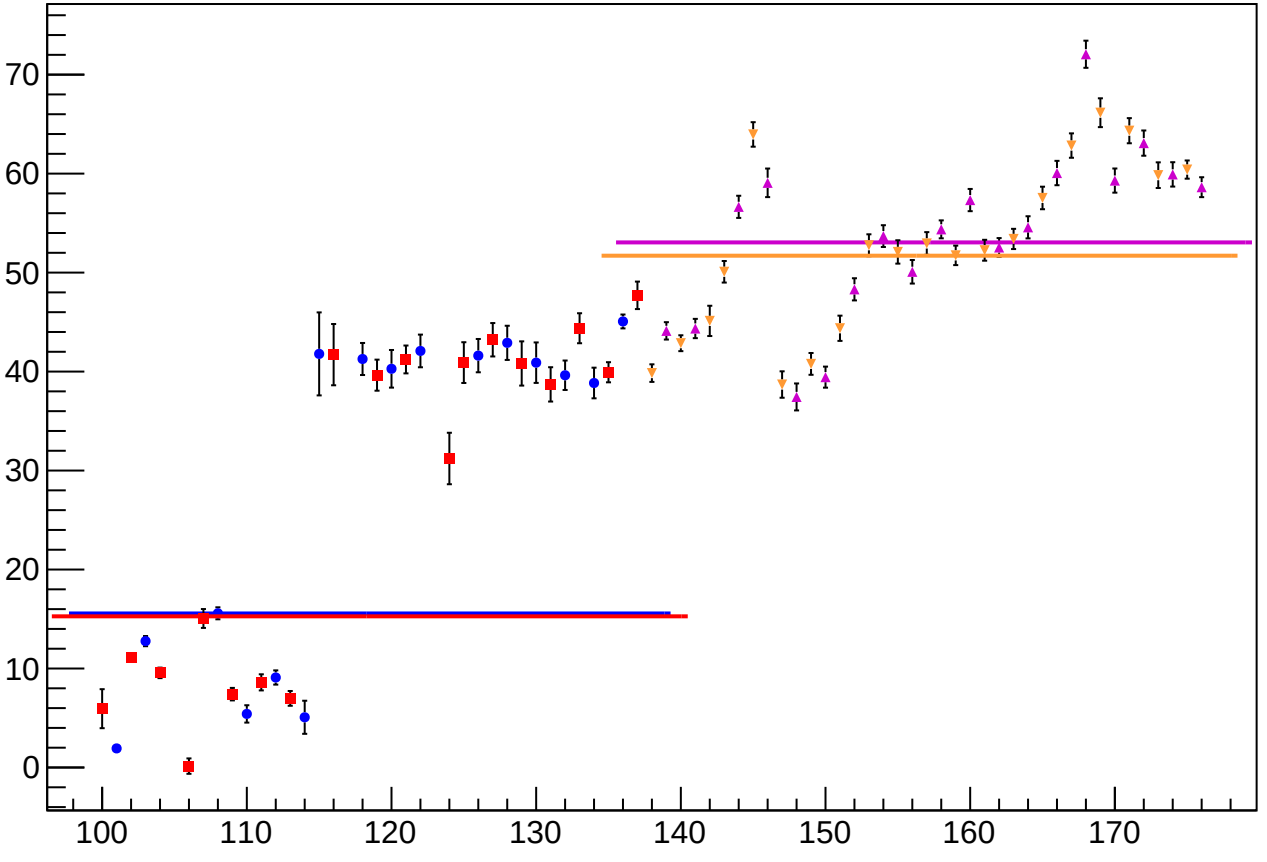
Left In: 43.581+/-0.193 χ^2/NDF:1610.6/18

+ sign 48.347+/-0.141 χ^2/NDF: 4038.0/35

All: 48.220+/-0.102 χ^2/NDF: 7930.9/73

- sign 48.083+/-0.146 χ^2/NDF: 3891.2/37

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 51.707+/-0.248 χ^2/NDF:1084.4/19

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

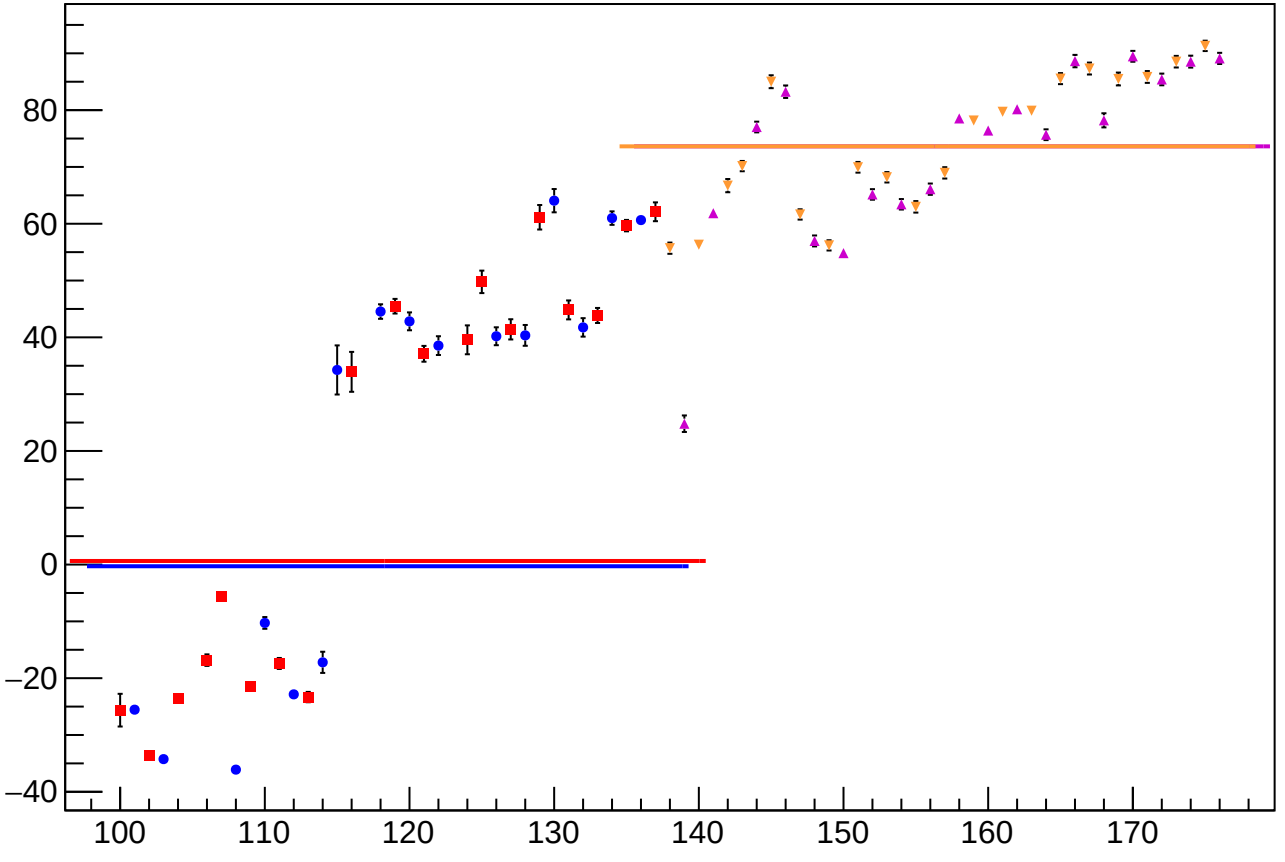
Left In: 53.049+/-0.255 χ^2/NDF:924.3/18

\+ sign 30.971+/-0.162 χ^2/NDF: 18424.4/35

All: 31.156+/-0.116 χ^2/NDF: 35873.7/73

\- sign 31.351+/-0.166 χ^2/NDF: 17446.7/37

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 73.624+/-0.209 χ^2/NDF:3007.2/19

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

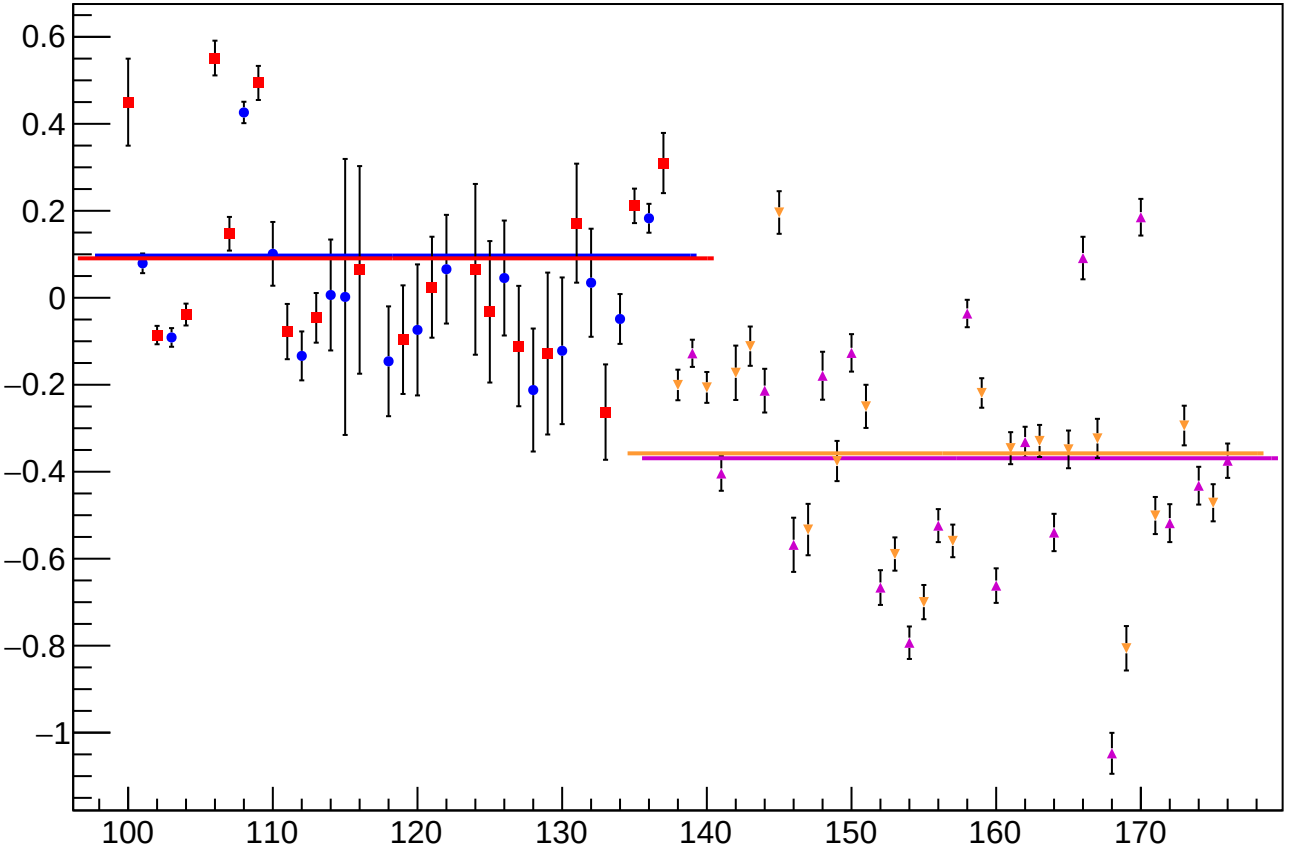
Left In: 73.623+/-0.218 χ^2/NDF:3621.7/18

+ sign 44.763+/-0.163 χ^2/NDF: 72783.5/35

All: 44.408+/-0.117 χ^2/NDF: 138030.2/73

- sign 44.034+/-0.168 χ^2/NDF: 65237.0/37

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.358+/-0.009 χ^2/NDF:474.4/19

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

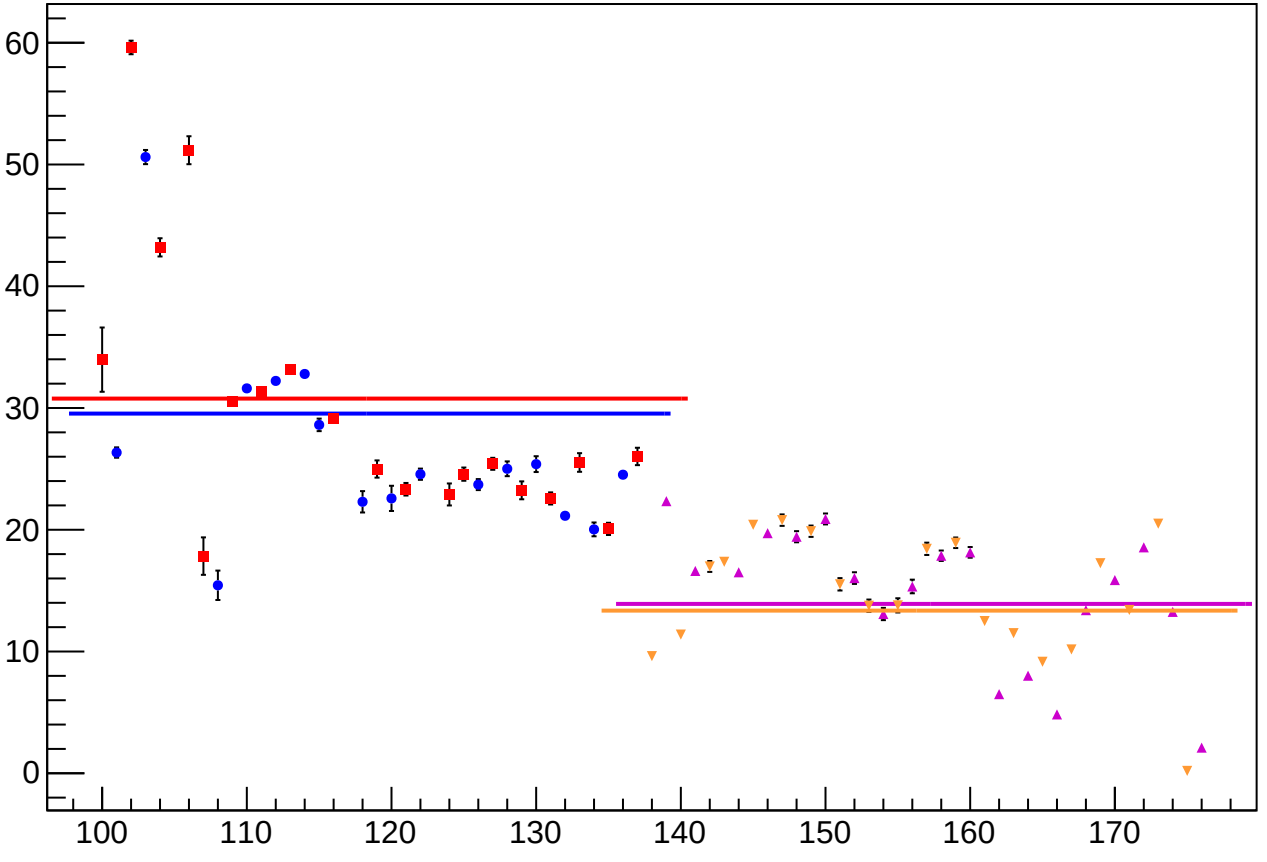
Left In: -0.369+/-0.009 χ^2/NDF:990.2/18

\+ sign -0.170+/-0.007 χ^2/NDF: 1738.1/35

All: -0.176+/-0.005 χ^2/NDF: 4098.4/73

\- sign -0.183+/-0.007 χ^2/NDF: 2358.7/37

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 13.360+/-0.080 χ^2/NDF:5787.5/19

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

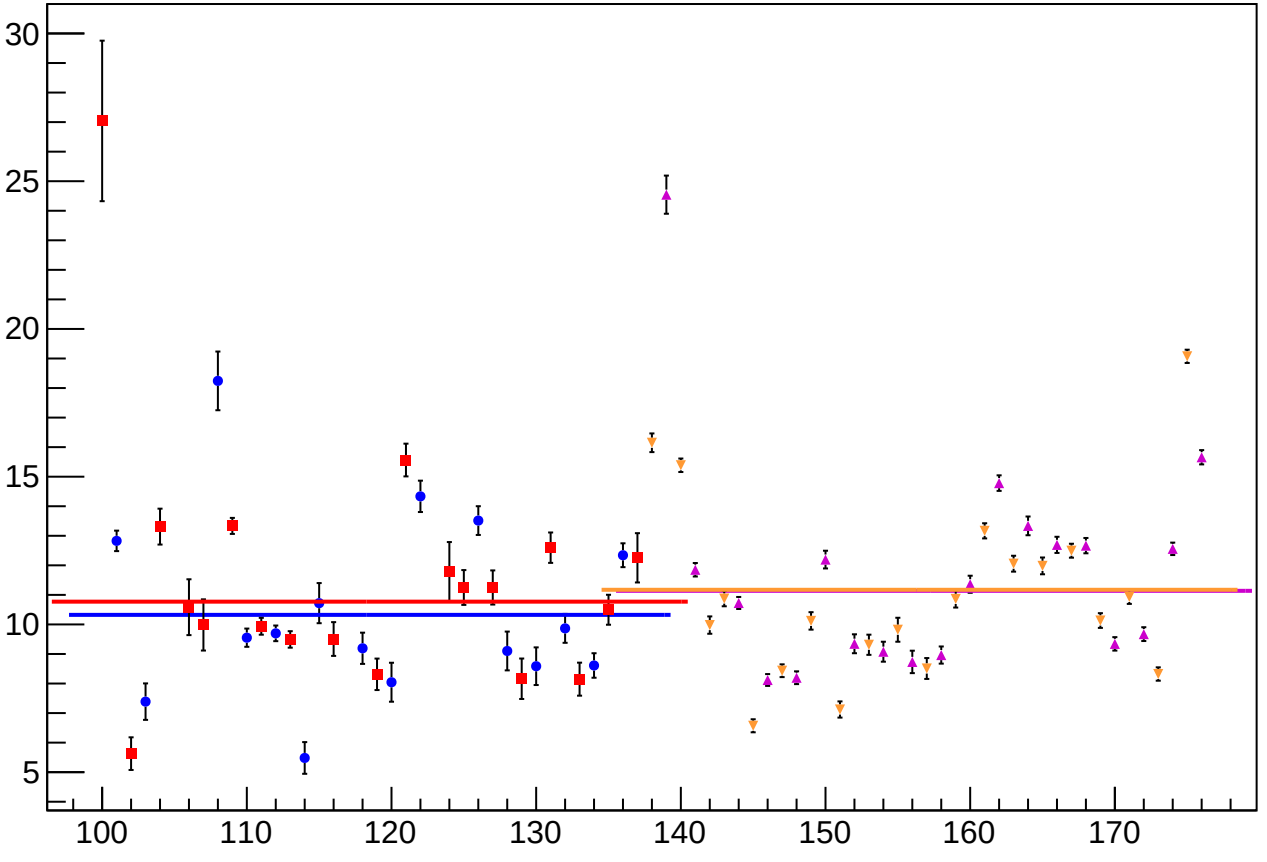
Left In: 13.910+/-0.080 χ^2/NDF:5193.4/18

+ sign 20.320+/-0.060 χ^2/NDF: 26808.4/35

All: 21.395+/-0.041 χ^2/NDF: 59804.8/73

- sign 22.345+/-0.057 χ^2/NDF: 32397.5/37

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 11.173+/-0.059 χ^2/NDF:3057.2/19

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

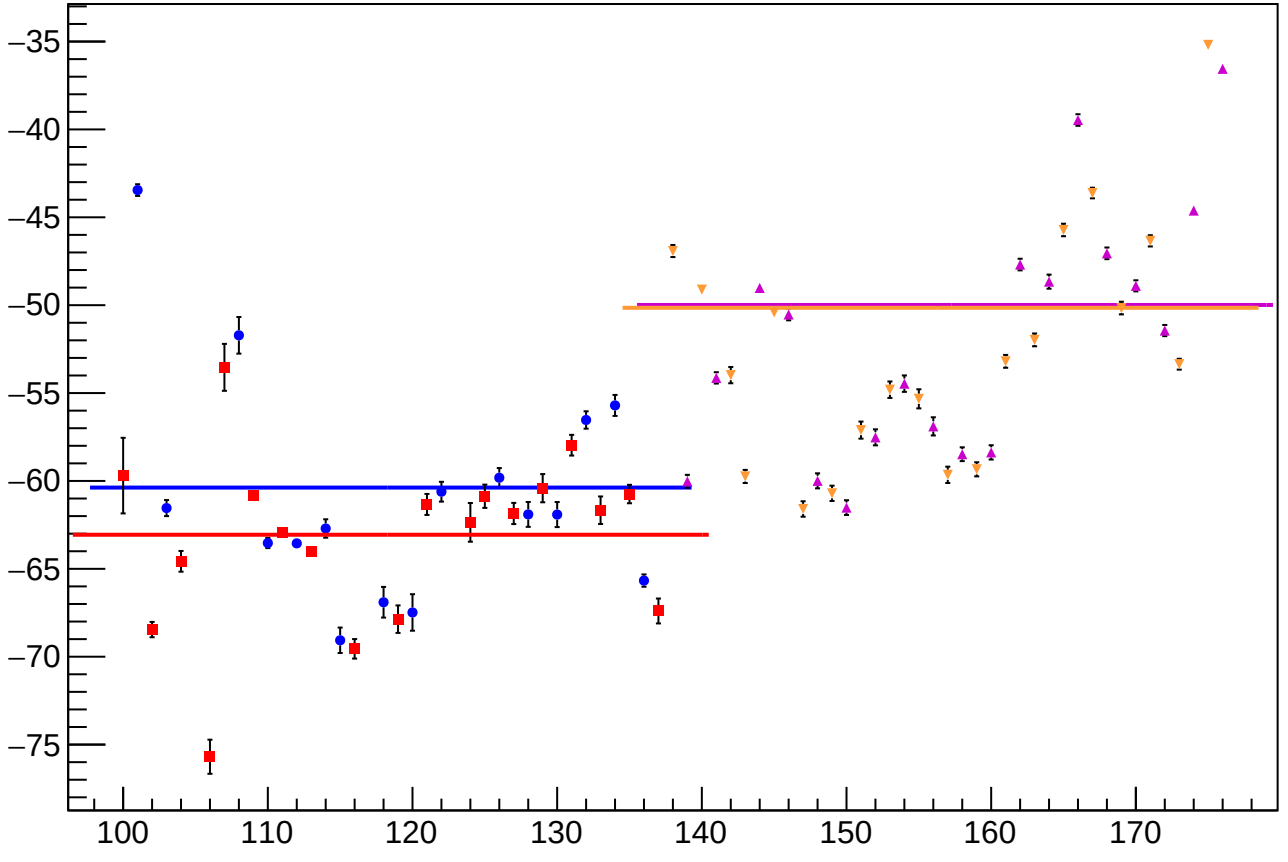
Left In: 11.137+/-0.059 χ^2/NDF:1839.2/18

+ sign 10.994+/-0.052 χ^2/NDF: 3503.7/35

All: 11.026+/-0.037 χ^2/NDF: 5767.7/73

- sign 11.058+/-0.053 χ^2/NDF: 2263.3/37

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -50.148+/-0.080 χ^2/NDF:8316.0/19

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

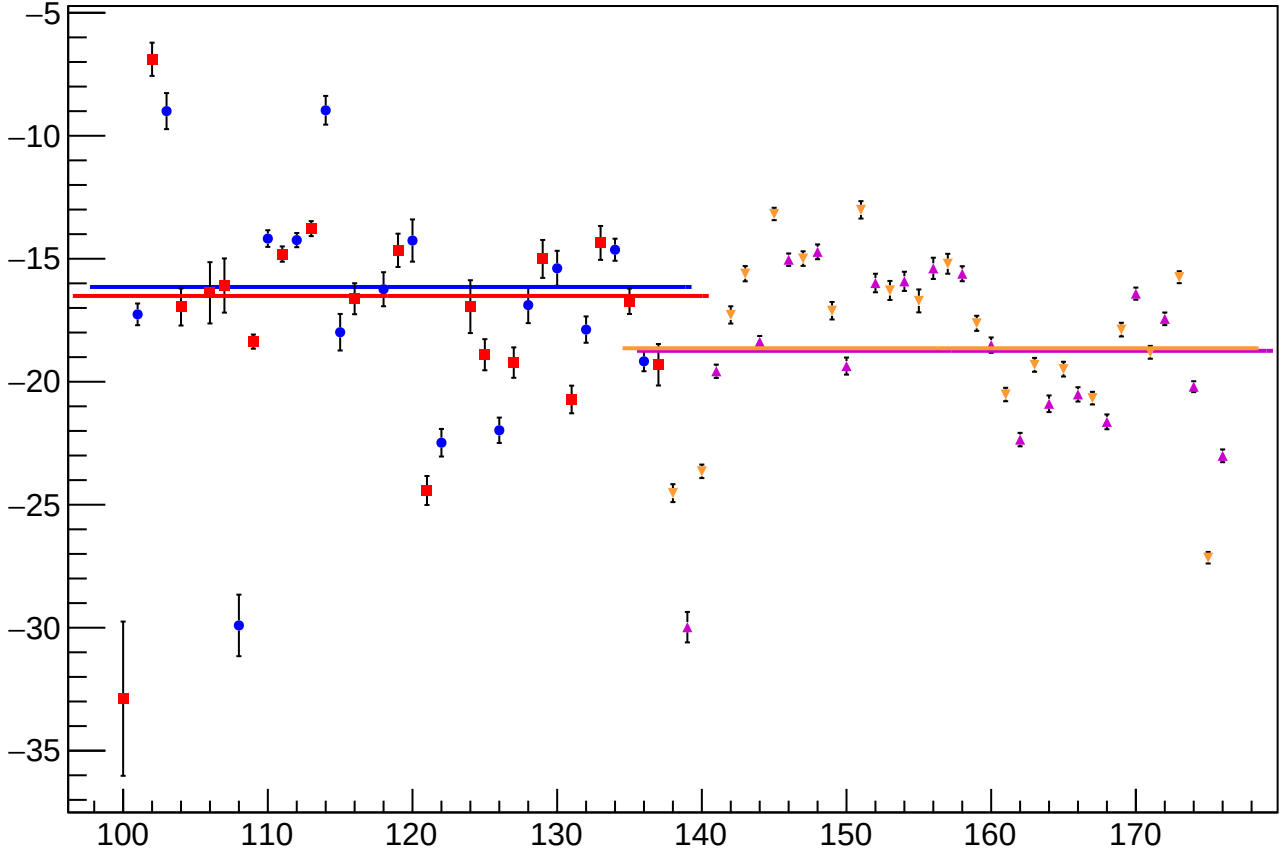
Left In: -49.988+/-0.080 χ^2/NDF:7740.1/18

+ sign -53.539+/-0.065 χ^2/NDF: 17391.0/35

All: -54.102+/-0.046 χ^2/NDF: 35685.7/73

- sign -54.647+/-0.064 χ^2/NDF: 18147.3/37

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -18.639+/-0.067 χ^2/NDF:3315.8/19

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

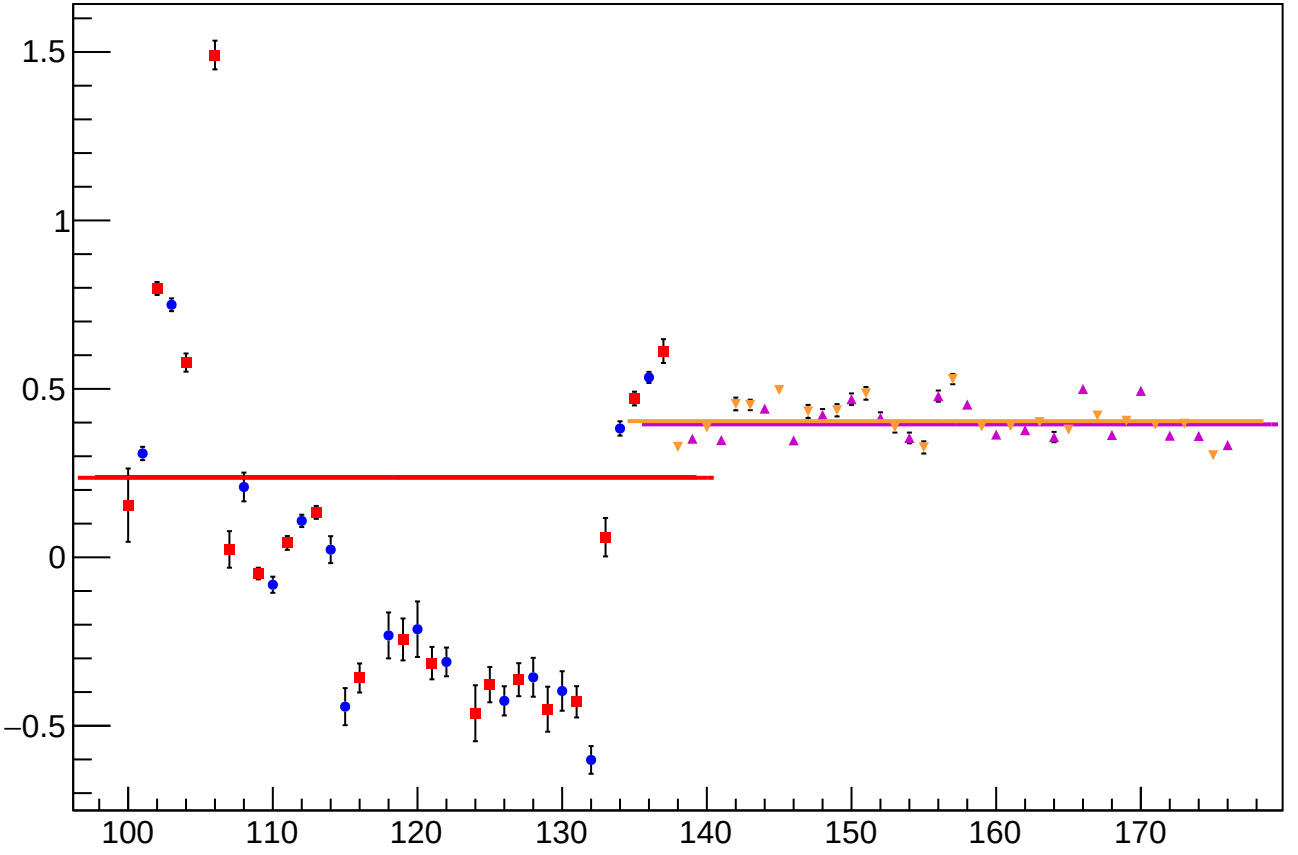
Left In: -18.743+/-0.067 χ^2/NDF:1779.9/18

+ sign -18.101+/-0.059 χ^2/NDF: 4413.9/35

All: -18.169+/-0.042 χ^2/NDF: 7129.0/73

- sign -18.238+/-0.059 χ^2/NDF: 2712.4/37

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.404+/-0.003 χ^2/NDF:326.3/19

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

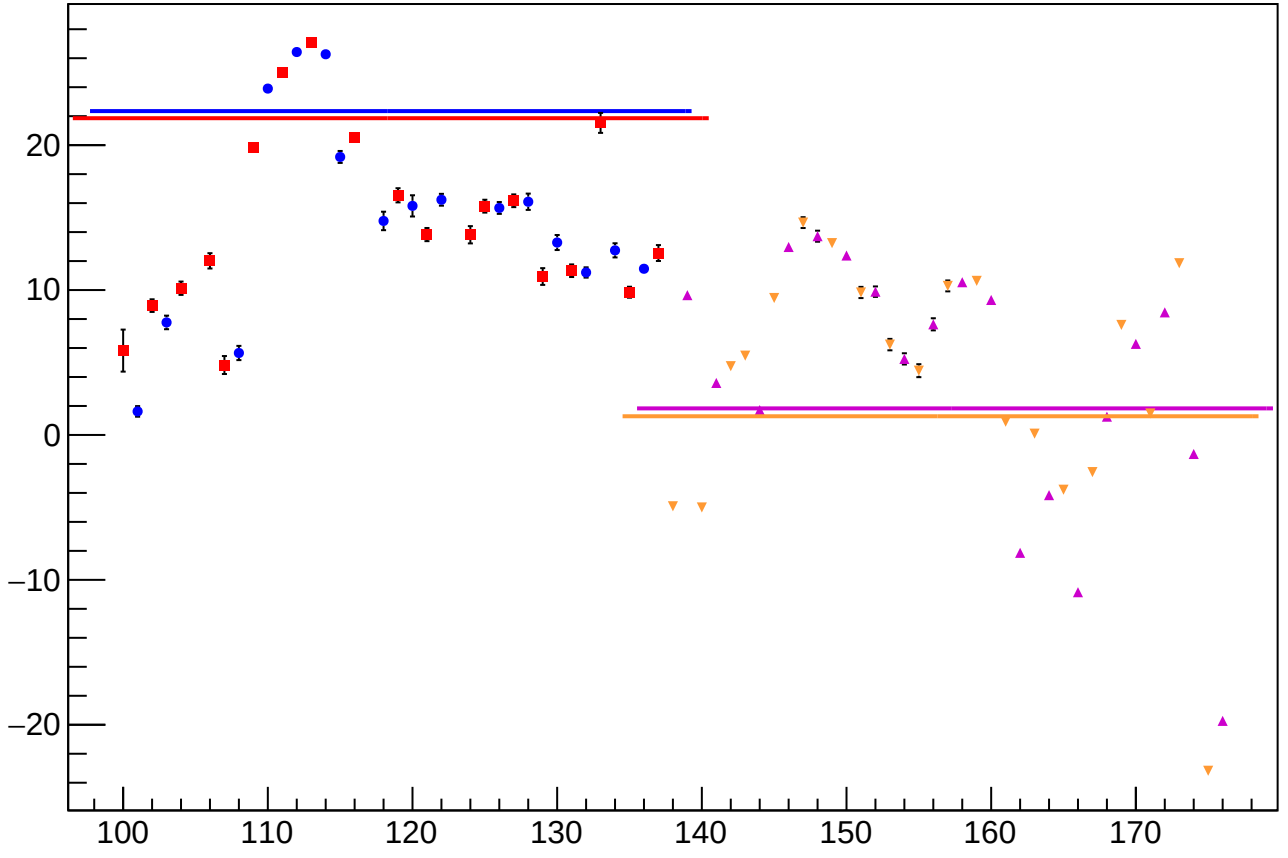
Left In: 0.395+/-0.003 χ^2/NDF:345.2/18

+ sign 0.378+/-0.003 χ^2/NDF: 3428.2/35

All: 0.375+/-0.002 χ^2/NDF: 7796.4/73

- sign 0.371+/-0.003 χ^2/NDF: 4364.5/37

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 1.290+/-0.065 χ^2/NDF:23598.6/19

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

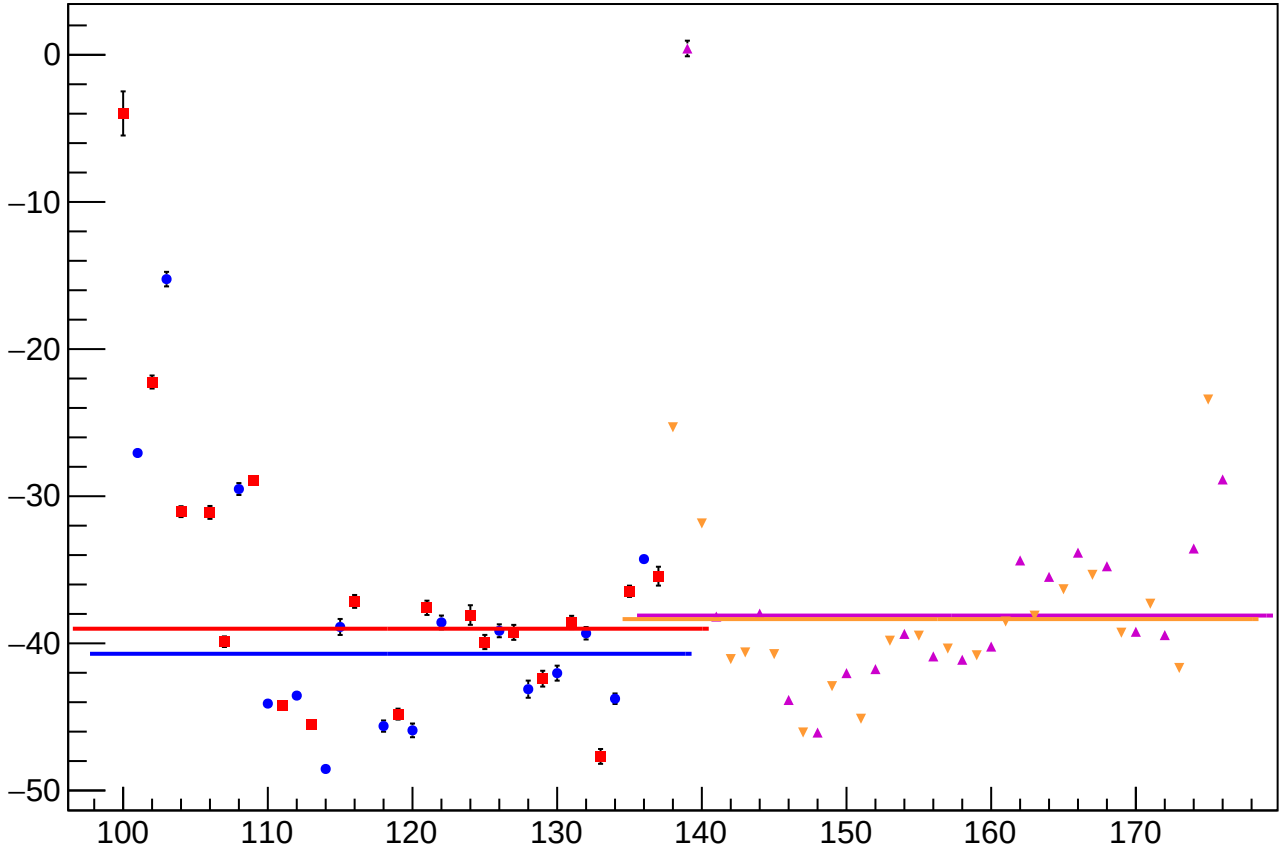
Left In: 1.833+/-0.066 χ^2/NDF:18732.7/18

+ sign 13.241+/-0.043 χ^2/NDF: 95912.5/35

All: 14.390+/-0.028 χ^2/NDF: 187928.1/73

- sign 15.302+/-0.038 χ^2/NDF: 90711.2/37

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -38.352+/-0.047 χ^2/NDF:14272.5/19

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

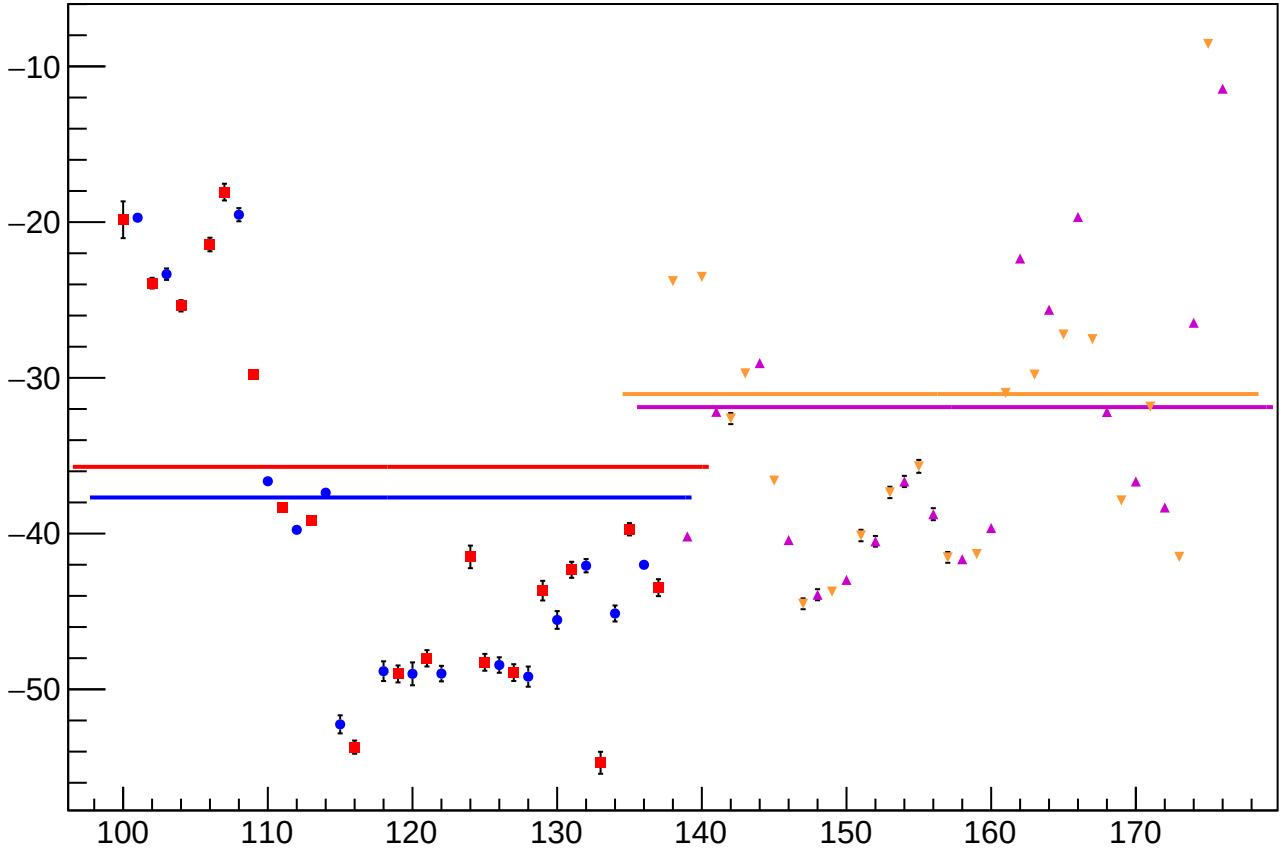
Left In: -38.111+/-0.049 χ^2/NDF:12621.3/18

+ sign -39.004+/-0.040 χ^2/NDF: 22739.8/35

All: -38.704+/-0.029 χ^2/NDF: 45681.1/73

- sign -38.401+/-0.040 χ^2/NDF: 22829.6/37

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -31.040+/-0.064 χ^2/NDF:22218.0/19

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

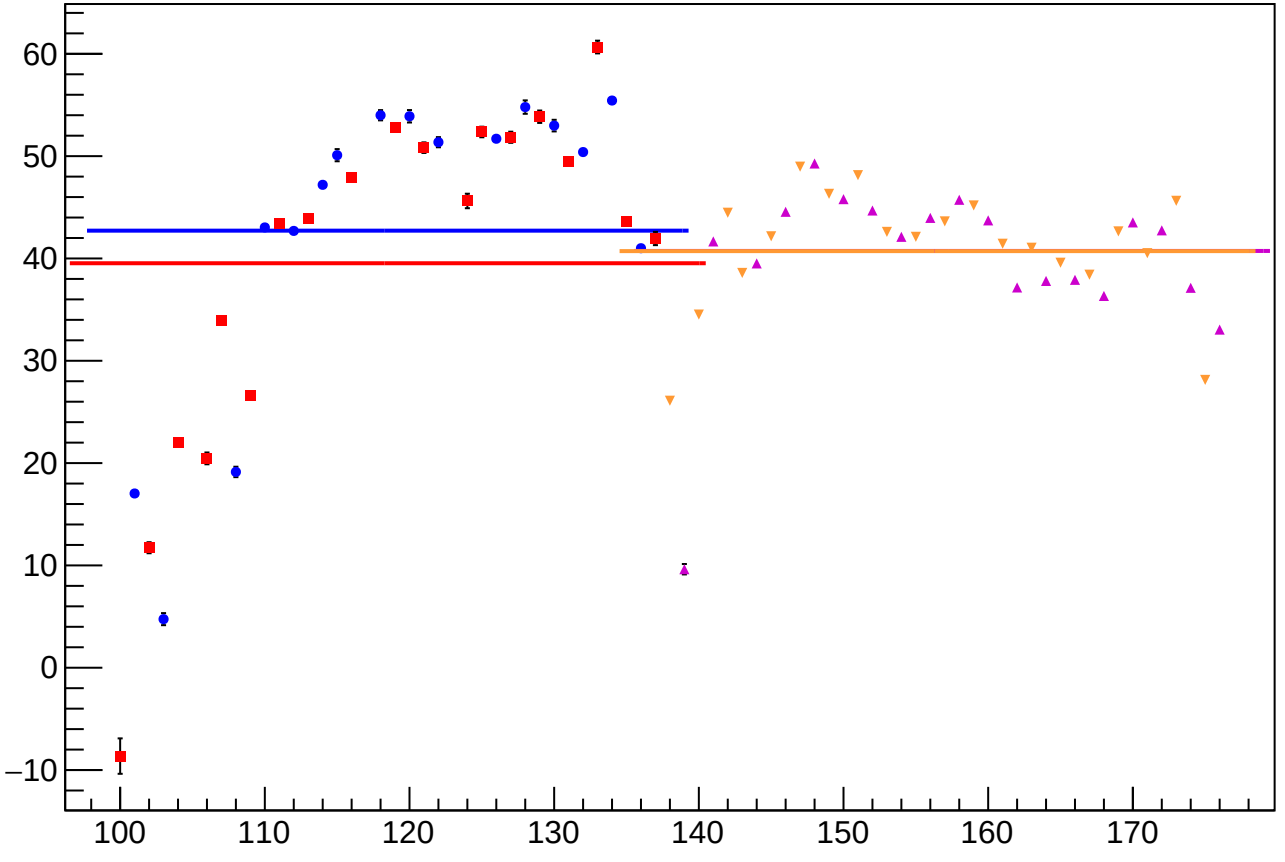
Left In: -31.878+/-0.066 χ^2/NDF:19131.7/18

+ sign -33.912+/-0.048 χ^2/NDF: 37674.8/35

All: -33.874+/-0.033 χ^2/NDF: 71818.9/73

- sign -33.840+/-0.046 χ^2/NDF: 34143.0/37

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 40.718+/-0.054 χ^2/NDF:10914.6/19

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

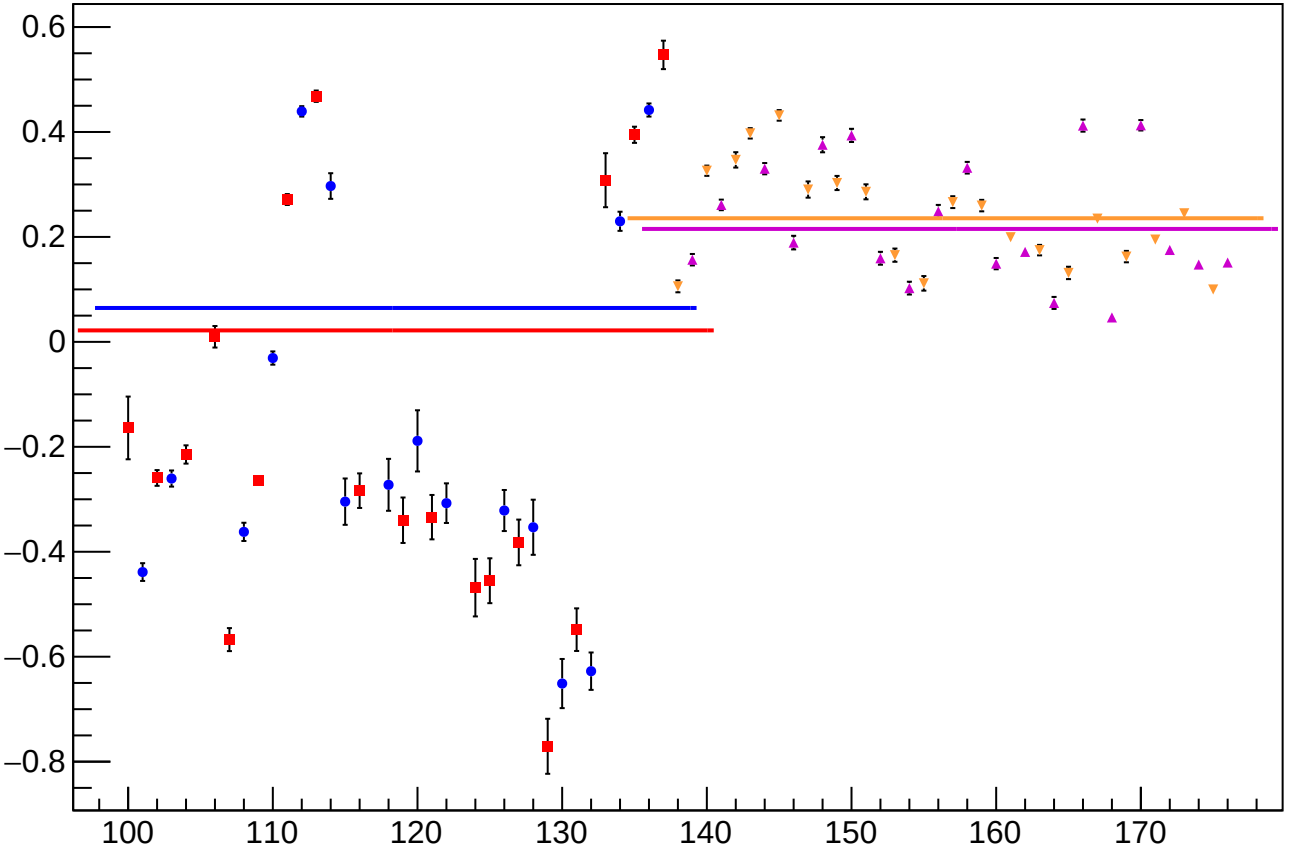
Left In: 40.734+/-0.056 χ^2/NDF:9032.2/18

+ sign 41.290+/-0.046 χ^2/NDF: 26074.2/35

All: 40.809+/-0.032 χ^2/NDF: 53464.7/73

- sign 40.331+/-0.045 χ^2/NDF: 27167.2/37

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.236+/-0.002 χ^2/NDF:1483.6/19

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

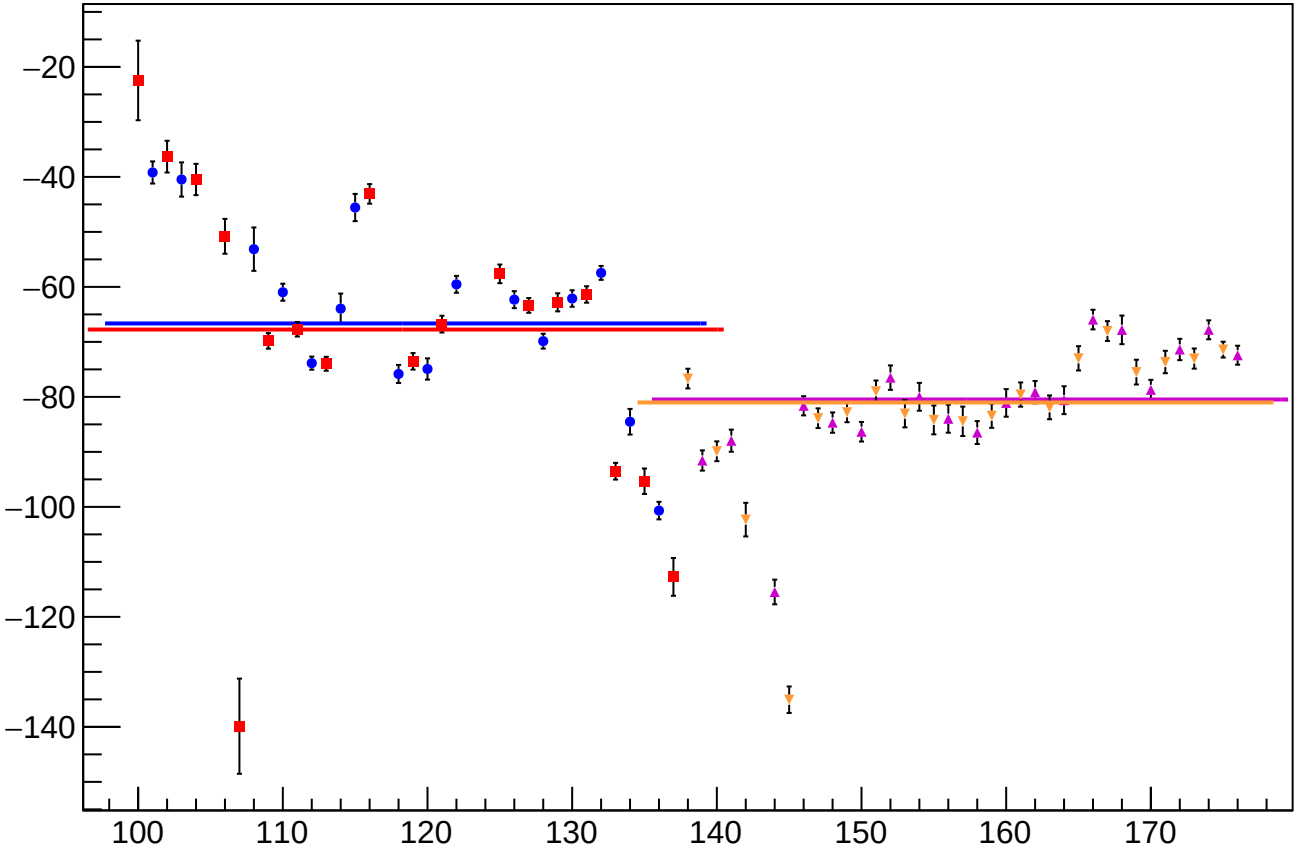
Left In: 0.215+/-0.002 χ^2/NDF:2050.8/18

+ sign 0.201+/-0.002 χ^2/NDF: 7973.0/35

All: 0.184+/-0.002 χ^2/NDF: 18014.4/73

- sign 0.169+/-0.002 χ^2/NDF: 9935.9/37

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -81.013+/-0.467 χ^2/NDF:739.4/18

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

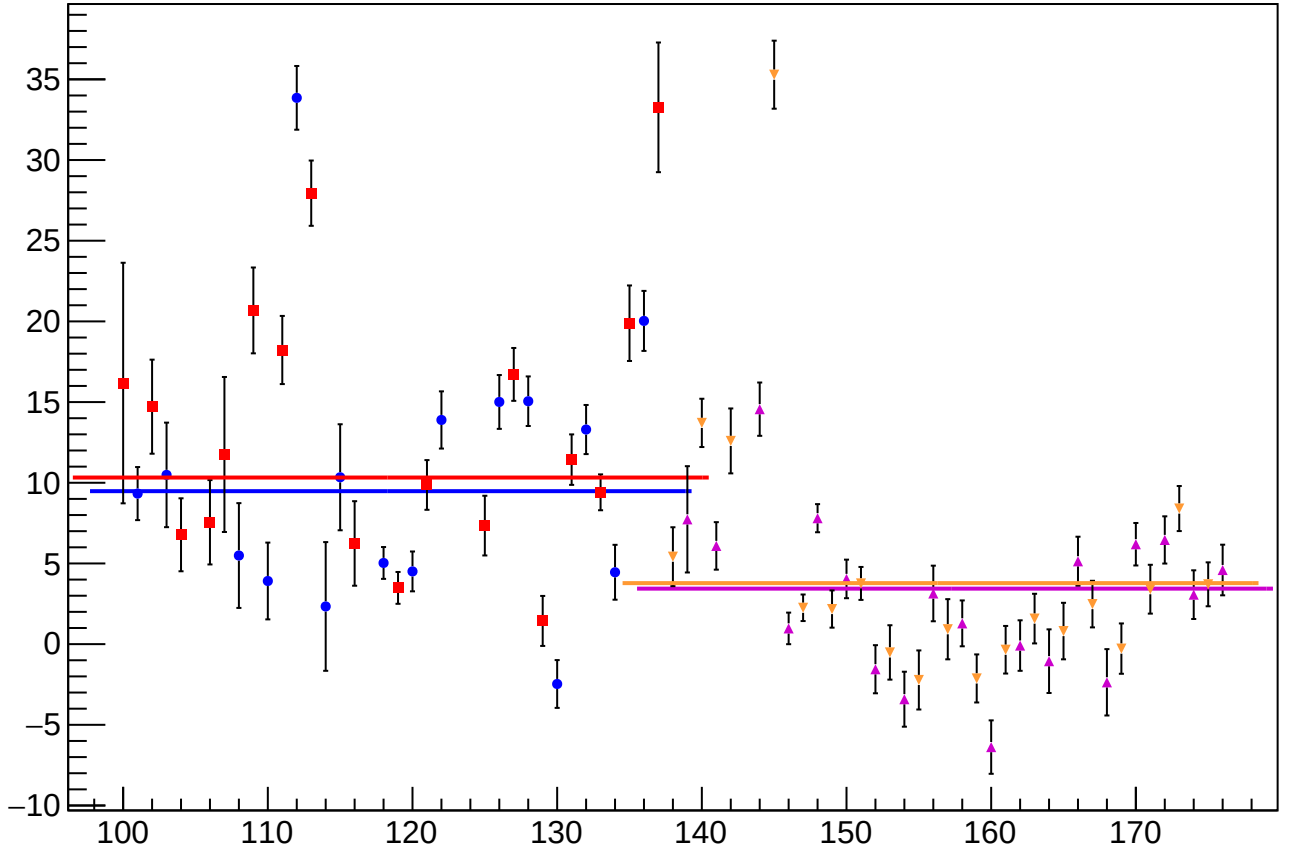
Left In: -80.476+/-0.462 χ^2/NDF:512.9/18

+ sign -73.172+/-0.315 χ^2/NDF: 2308.0/34

All: -73.339+/-0.221 χ^2/NDF: 4492.3/71

- sign -73.501+/-0.311 χ^2/NDF: 2183.7/36

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.781+/-0.326 χ^2/NDF:359.5/18

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

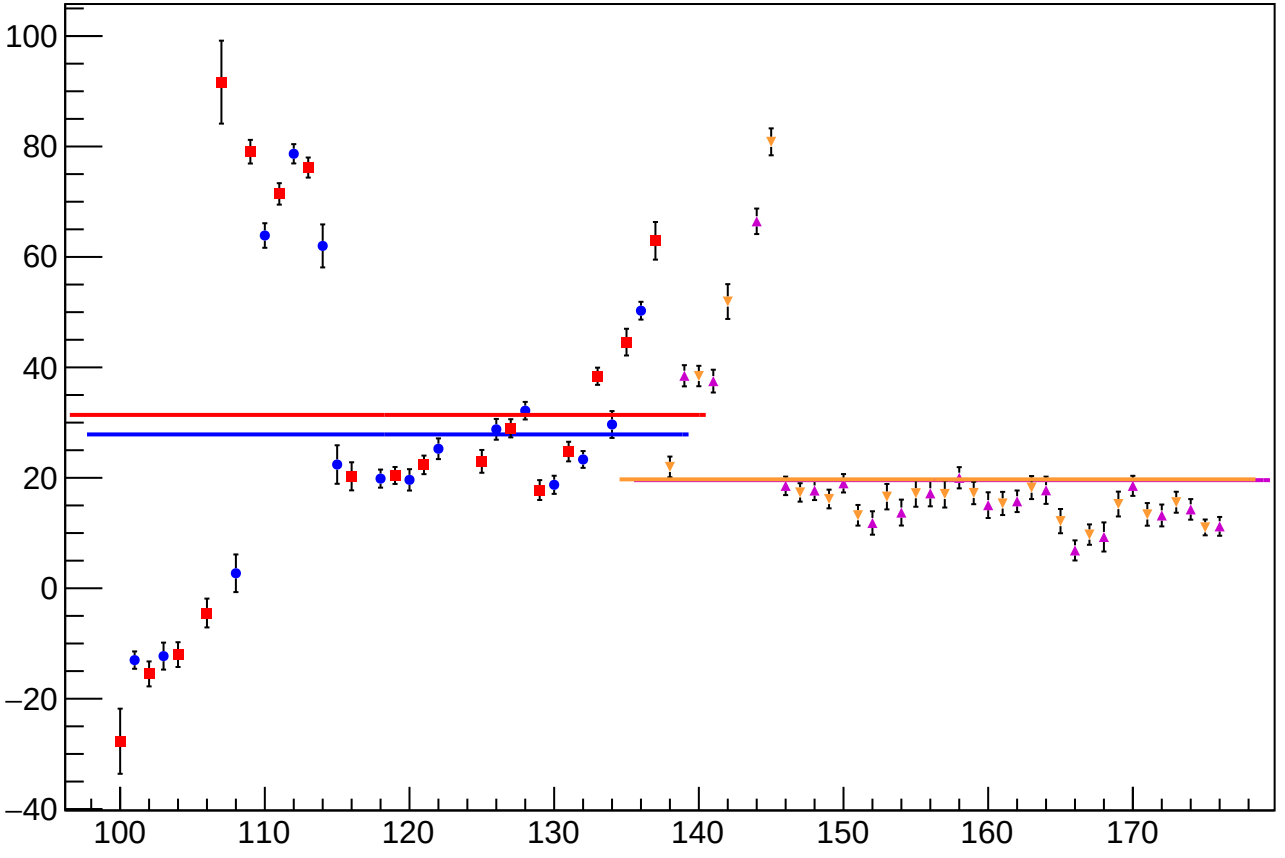
Left In: 3.439+/-0.330 χ^2/NDF:175.6/18

+ sign 5.876+/-0.260 χ^2/NDF: 813.5/34

All: 5.911+/-0.185 χ^2/NDF: 1411.3/71

- sign 5.948+/-0.263 χ^2/NDF: 597.8/36

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 19.724+/-0.458 χ^2/NDF:961.0/18

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

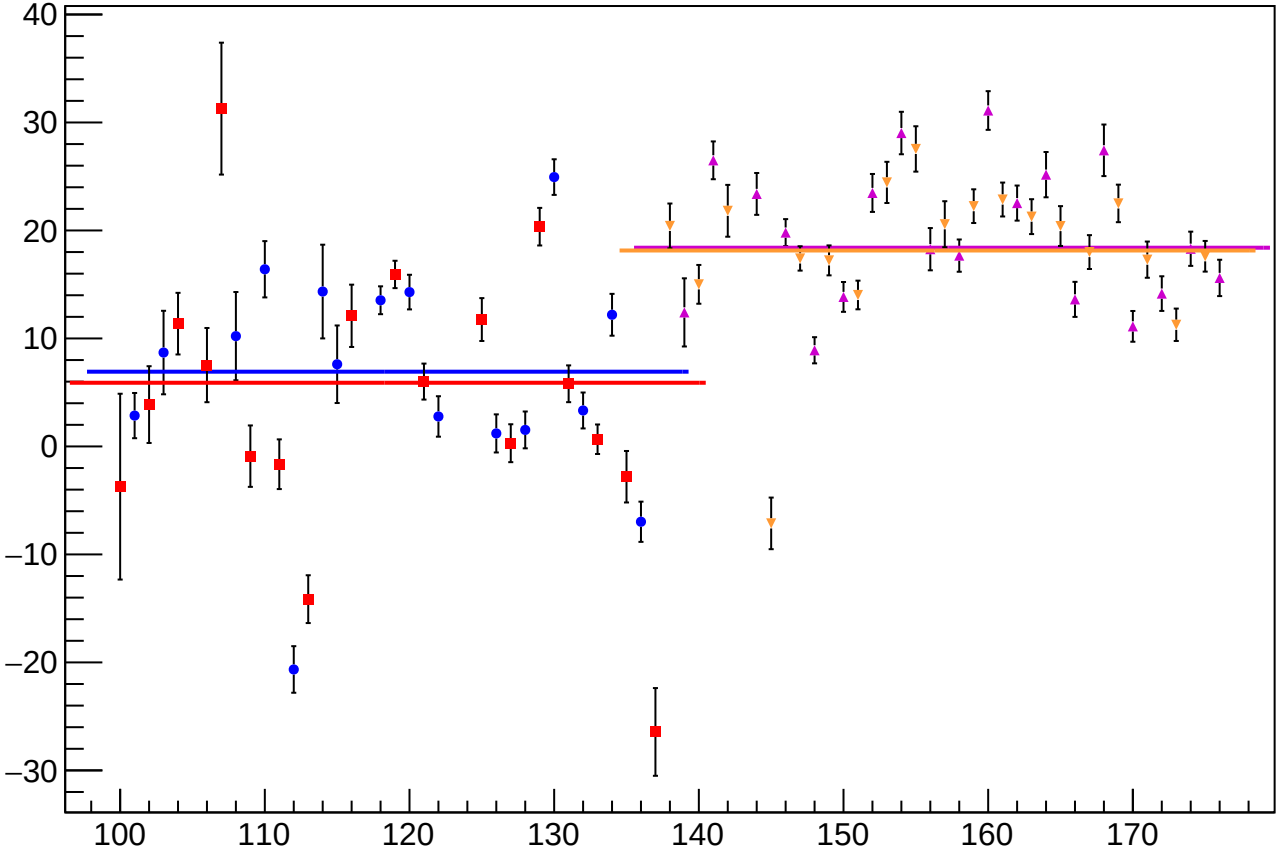
Left In: 19.582+/-0.454 χ^2/NDF:722.3/18

+ sign 23.582+/-0.332 χ^2/NDF: 3584.5/34

All: 24.325+/-0.235 χ^2/NDF: 7642.6/71

- sign 25.068+/-0.332 χ^2/NDF: 4048.1/36

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.145+/-0.378 χ^2/NDF:210.1/18

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

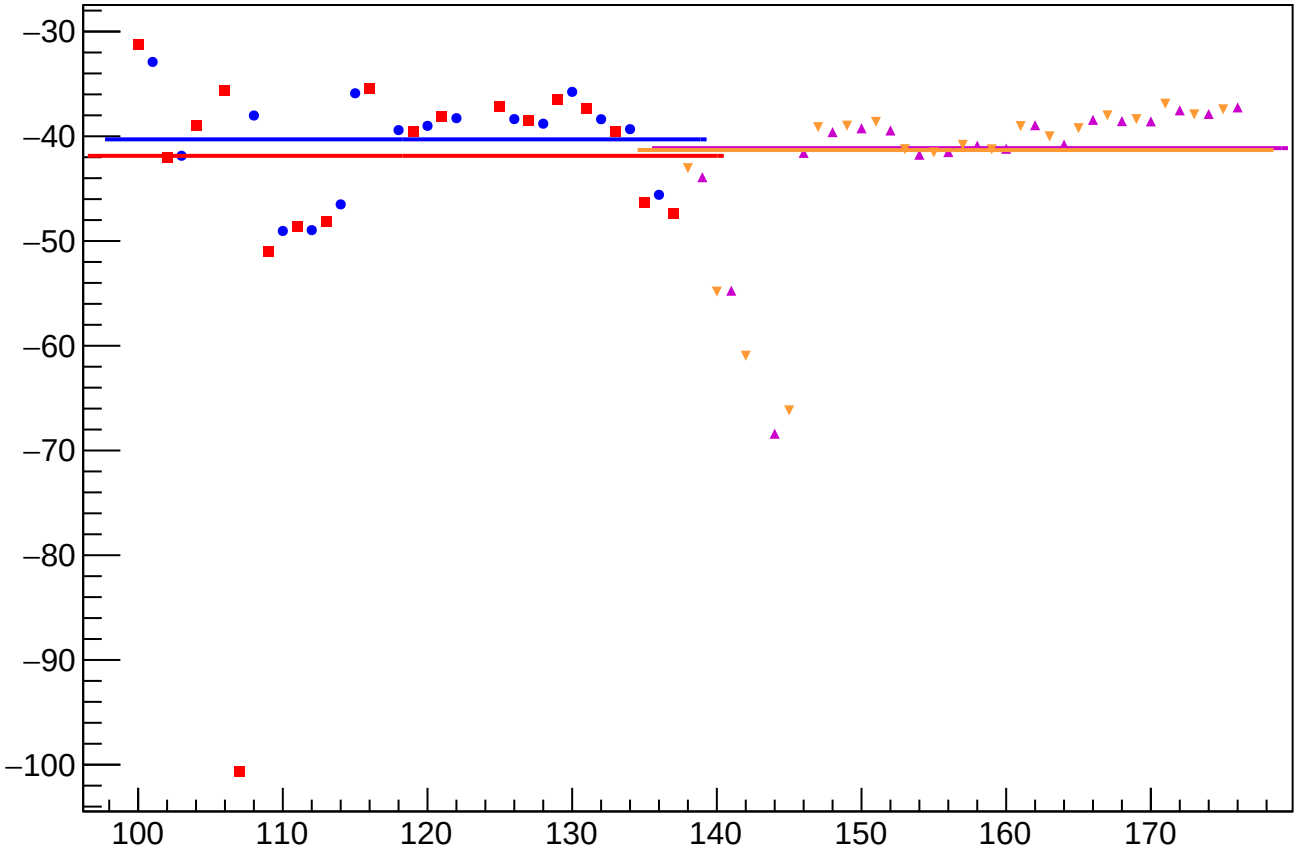
Left In: 18.403+/-0.380 χ^2/NDF:269.0/18

\+ sign 14.023+/-0.300 χ^2/NDF: 979.0/34

All: 13.936+/-0.213 χ^2/NDF: 2010.8/71

\- sign 13.849+/-0.303 χ^2/NDF: 1031.7/36

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -41.315+/-0.017 χ^2/NDF:136353.2/18

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

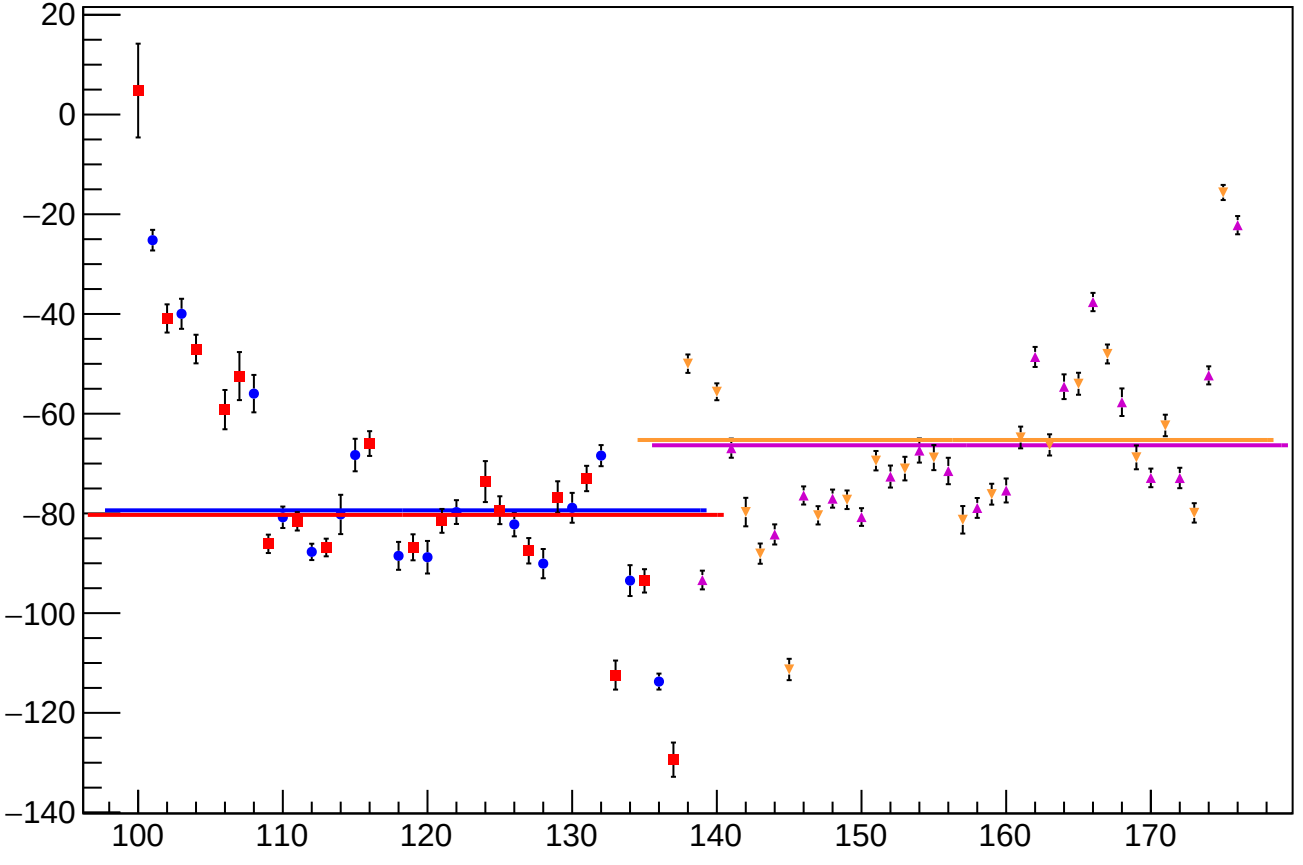
Left In: -41.132+/-0.017 χ^2/NDF:111602.0/18

+ sign -41.073+/-0.015 χ^2/NDF: 157824.8/34

All: -41.185+/-0.011 χ^2/NDF: 328676.3/71

- sign -41.293+/-0.015 χ^2/NDF: 170746.0/36

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -65.273+/-0.458 χ^2/NDF:2137.1/19

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

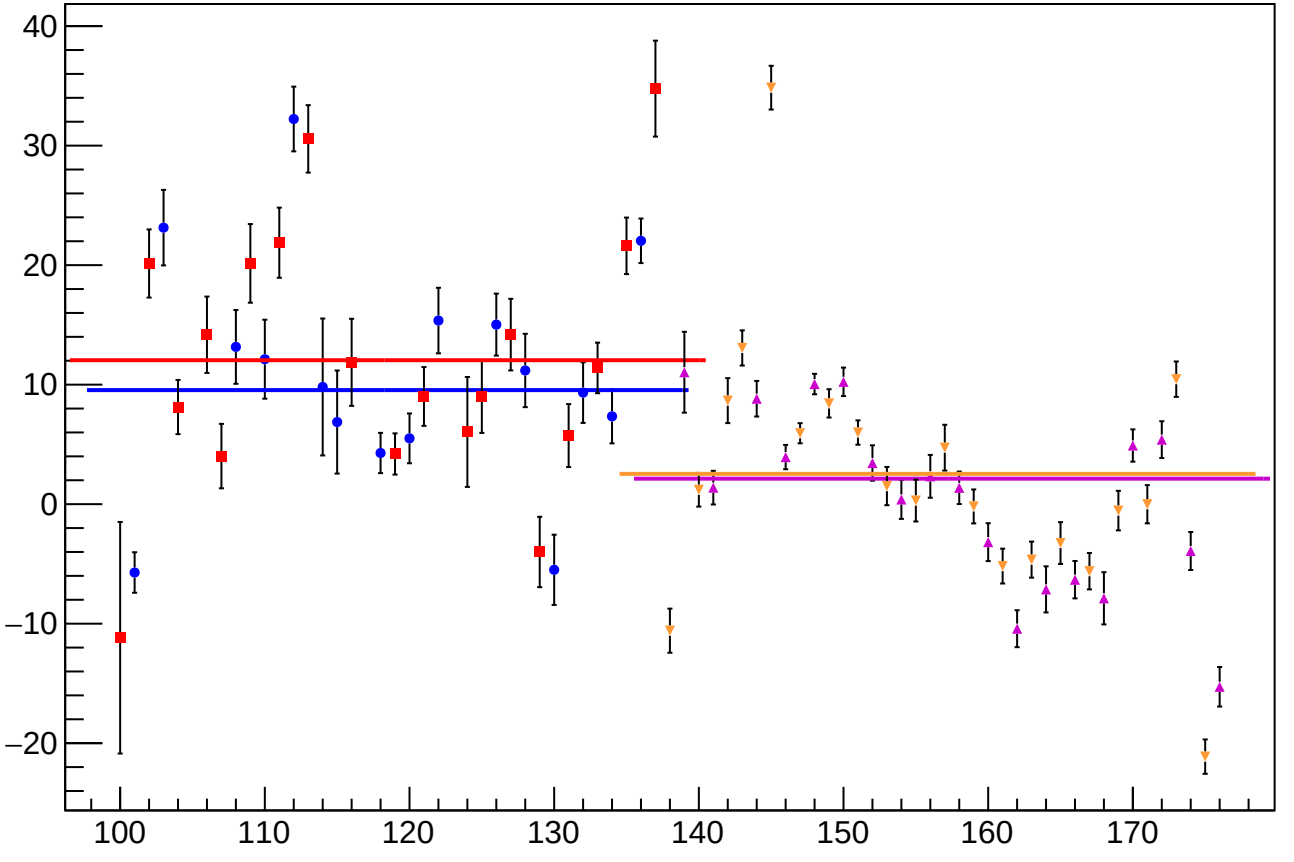
Left In: -66.335+/-0.465 χ^2/NDF:1502.0/18

+ sign -70.344+/-0.366 χ^2/NDF: 3954.5/35

All: -70.931+/-0.260 χ^2/NDF: 6711.8/73

- sign -71.525+/-0.368 χ^2/NDF: 2752.2/37

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 2.535+/-0.320 χ^2/NDF:879.9/19

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

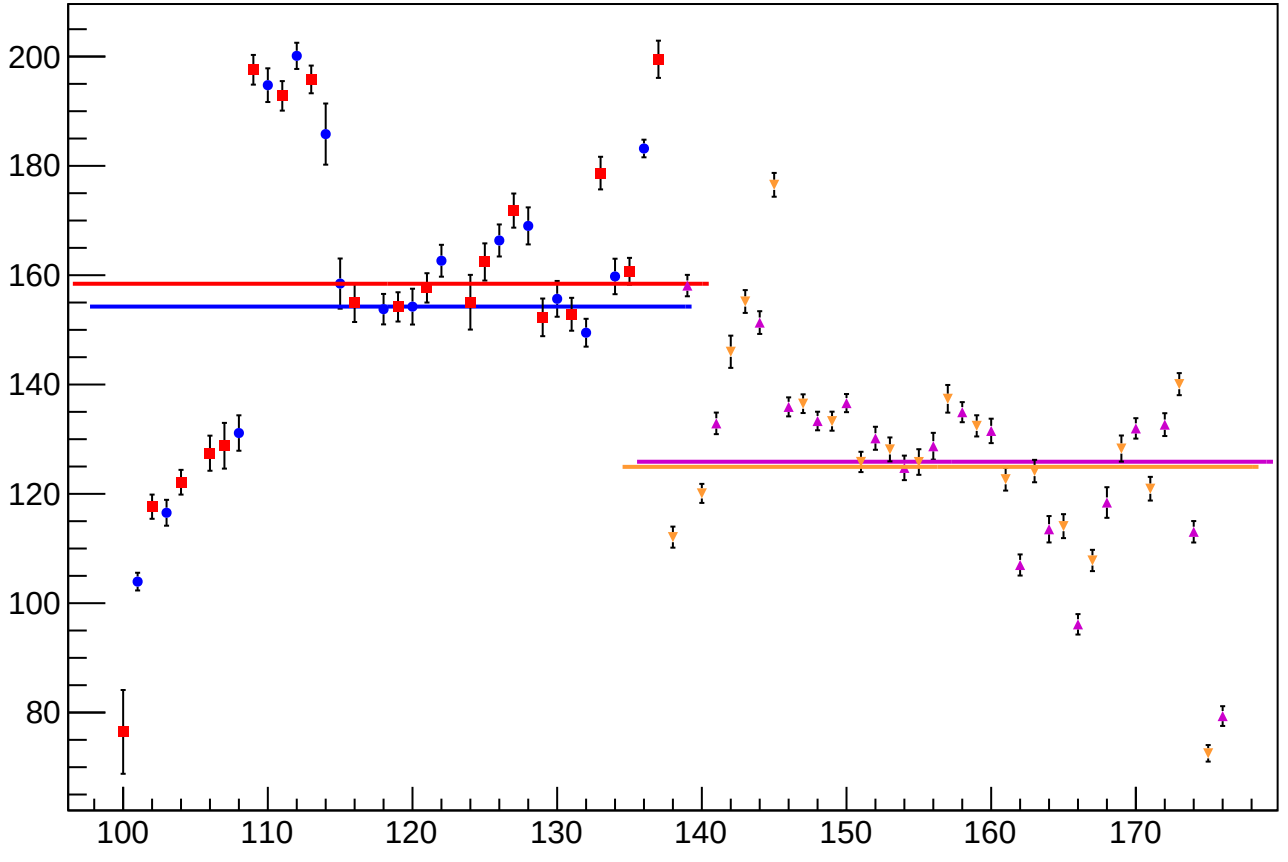
Left In: 2.133+/-0.330 χ^2/NDF:448.8/18

\+ sign 4.004+/-0.284 χ^2/NDF: 1247.6/35

All: 4.113+/-0.204 χ^2/NDF: 2083.5/73

\- sign 4.228+/-0.293 χ^2/NDF: 835.6/37

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 124.937+/-0.450 χ^2/NDF:2349.1/19

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

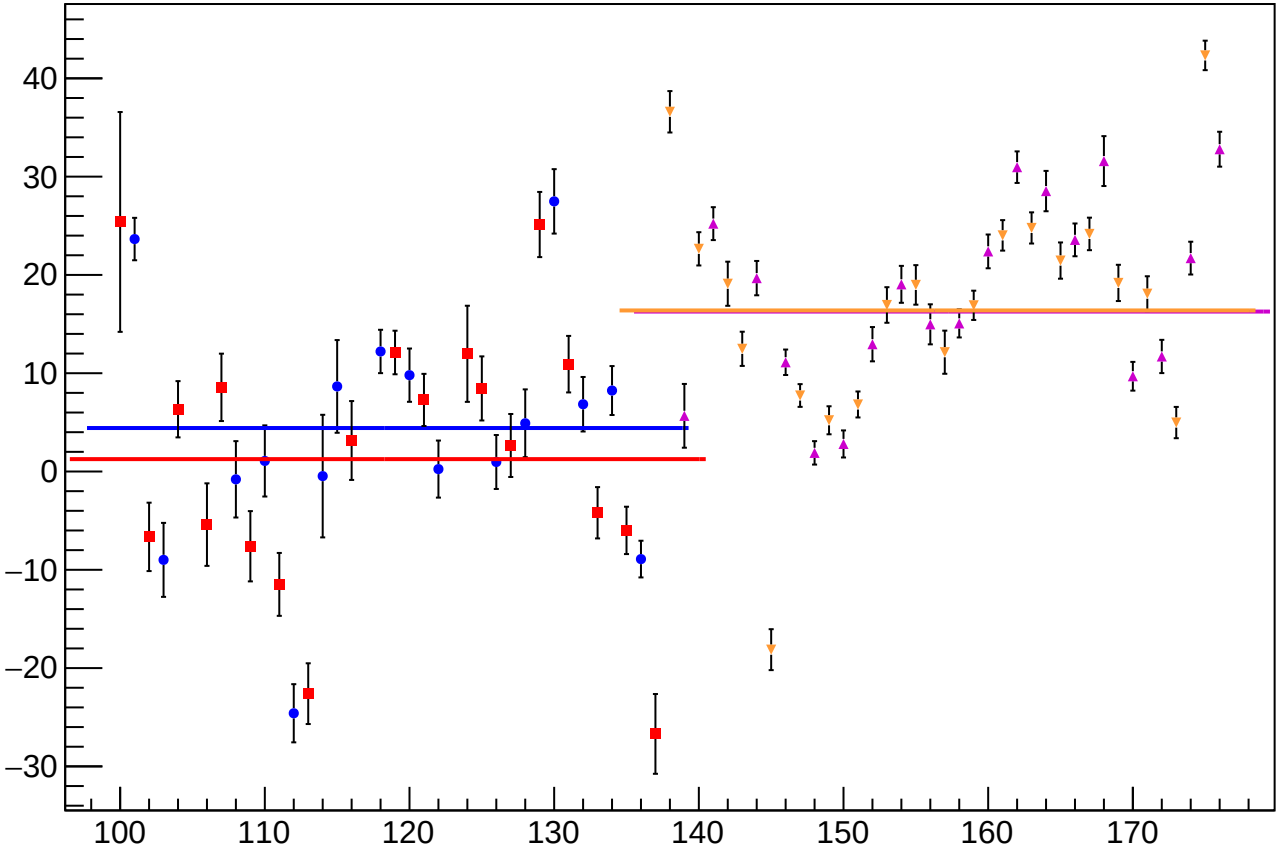
Left In: 125.876+/-0.456 χ^2/NDF:1673.0/18

+ sign 134.203+/-0.372 χ^2/NDF: 5905.9/35

All: 135.045+/-0.266 χ^2/NDF: 10827.0/73

- sign 135.919+/-0.379 χ^2/NDF: 4910.6/37

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 16.386+/-0.371 χ^2/NDF:998.2/19

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

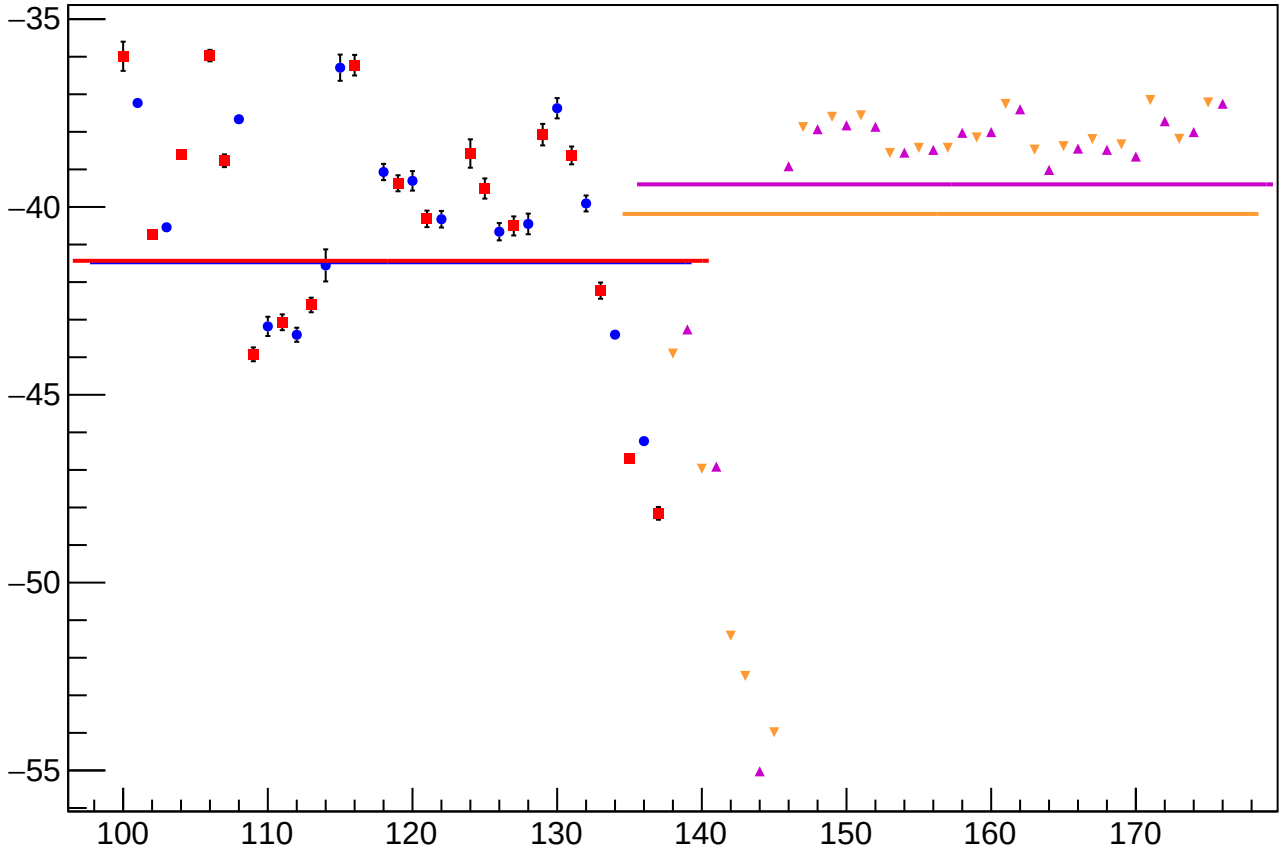
Left In: 16.273+/-0.380 χ^2/NDF:619.2/18

+ sign 13.847+/-0.329 χ^2/NDF: 1535.4/35

All: 13.474+/-0.235 χ^2/NDF: 2753.7/73

- sign 13.082+/-0.337 χ^2/NDF: 1215.7/37

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.185+/-0.017 χ^2/NDF:78338.5/19

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

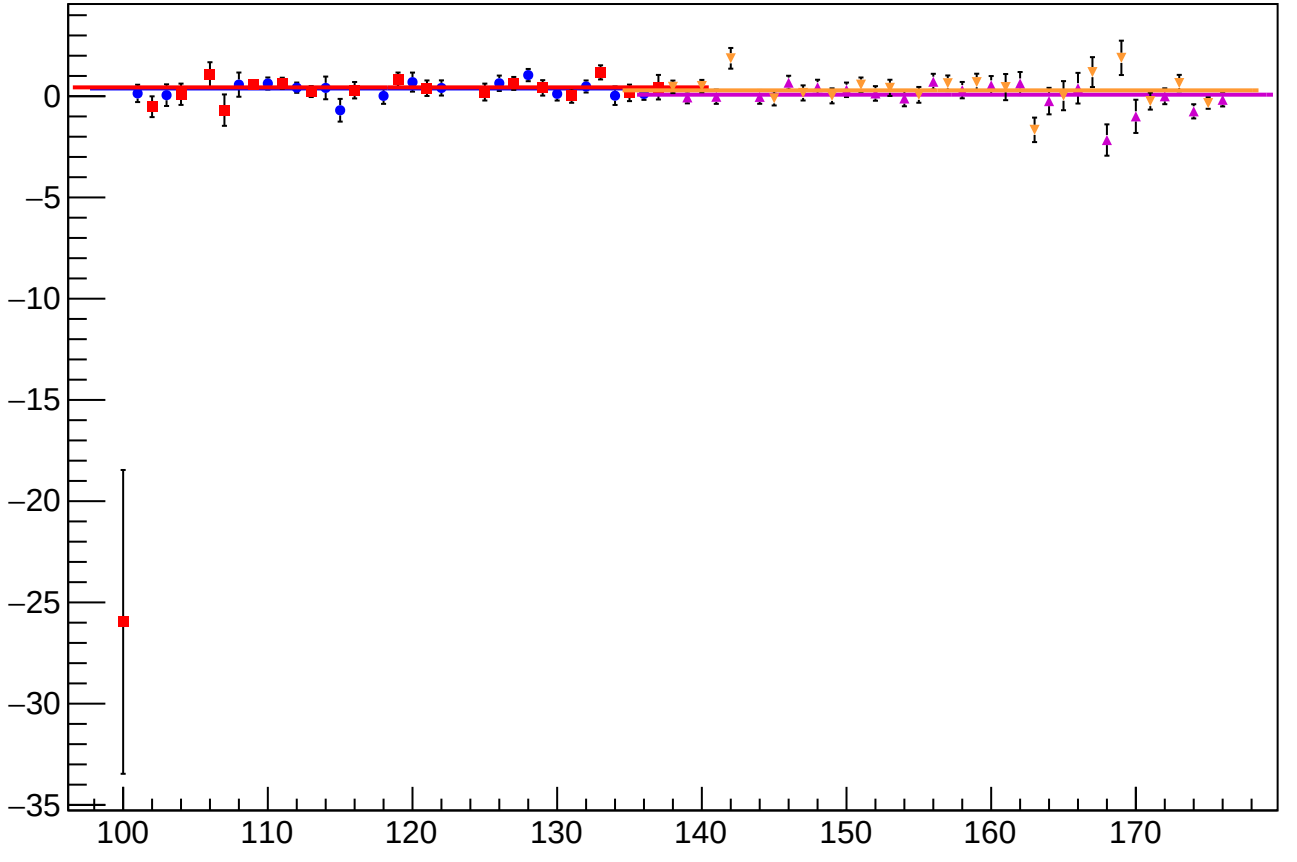
Left In: -39.398+/-0.017 χ^2/NDF:45268.5/18

+ sign -40.403+/-0.016 χ^2/NDF: 87197.2/35

All: -40.062+/-0.011 χ^2/NDF: 143871.0/73

- sign -39.720+/-0.016 χ^2/NDF: 55726.2/37

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.289+/-0.093 χ^2/NDF:38.2/18

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

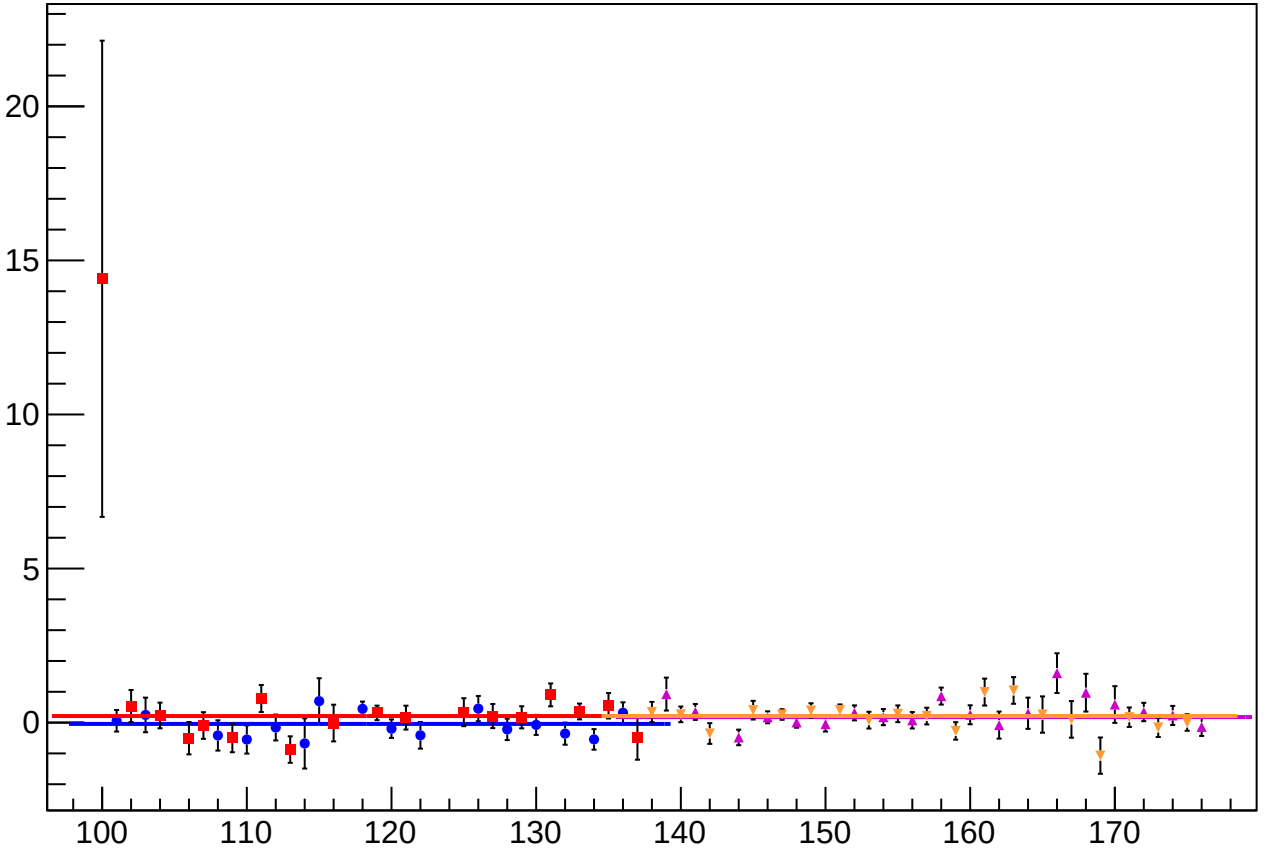
Left In: 0.075+/-0.092 χ^2/NDF:26.7/18

+ sign 0.336+/-0.065 χ^2/NDF: 52.6/34

All: 0.297+/-0.046 χ^2/NDF: 116.8/71

- sign 0.260+/-0.064 χ^2/NDF: 63.5/36

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.214+/-0.066 χ^2/NDF:22.1/18

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

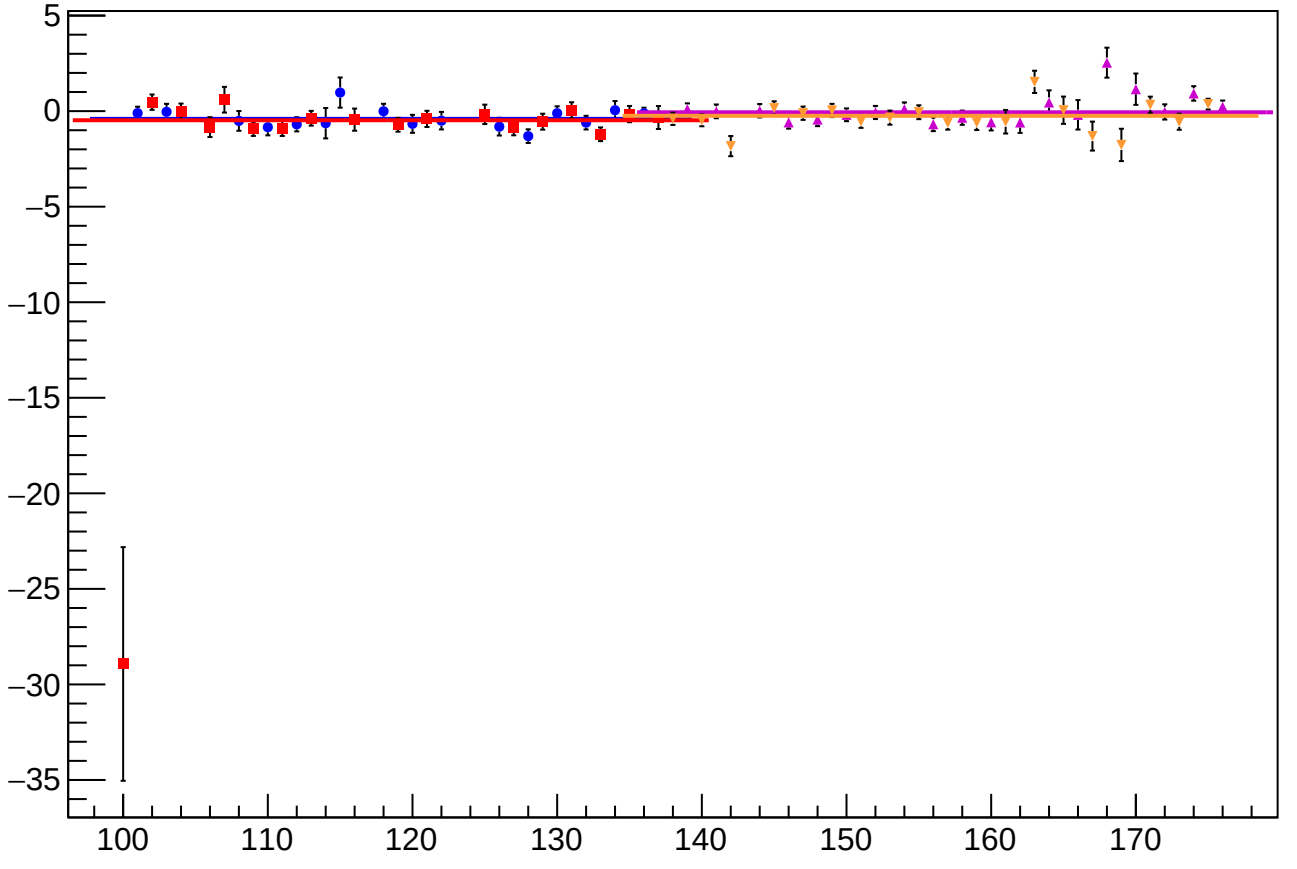
Left In: 0.180+/-0.066 χ^2/NDF:26.6/18

+ sign 0.130+/-0.054 χ^2/NDF: 42.1/34

All: 0.160+/-0.038 χ^2/NDF: 91.8/71

- sign 0.190+/-0.054 χ^2/NDF: 49.1/36

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.245+/-0.091 χ^2/NDF:37.1/18

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

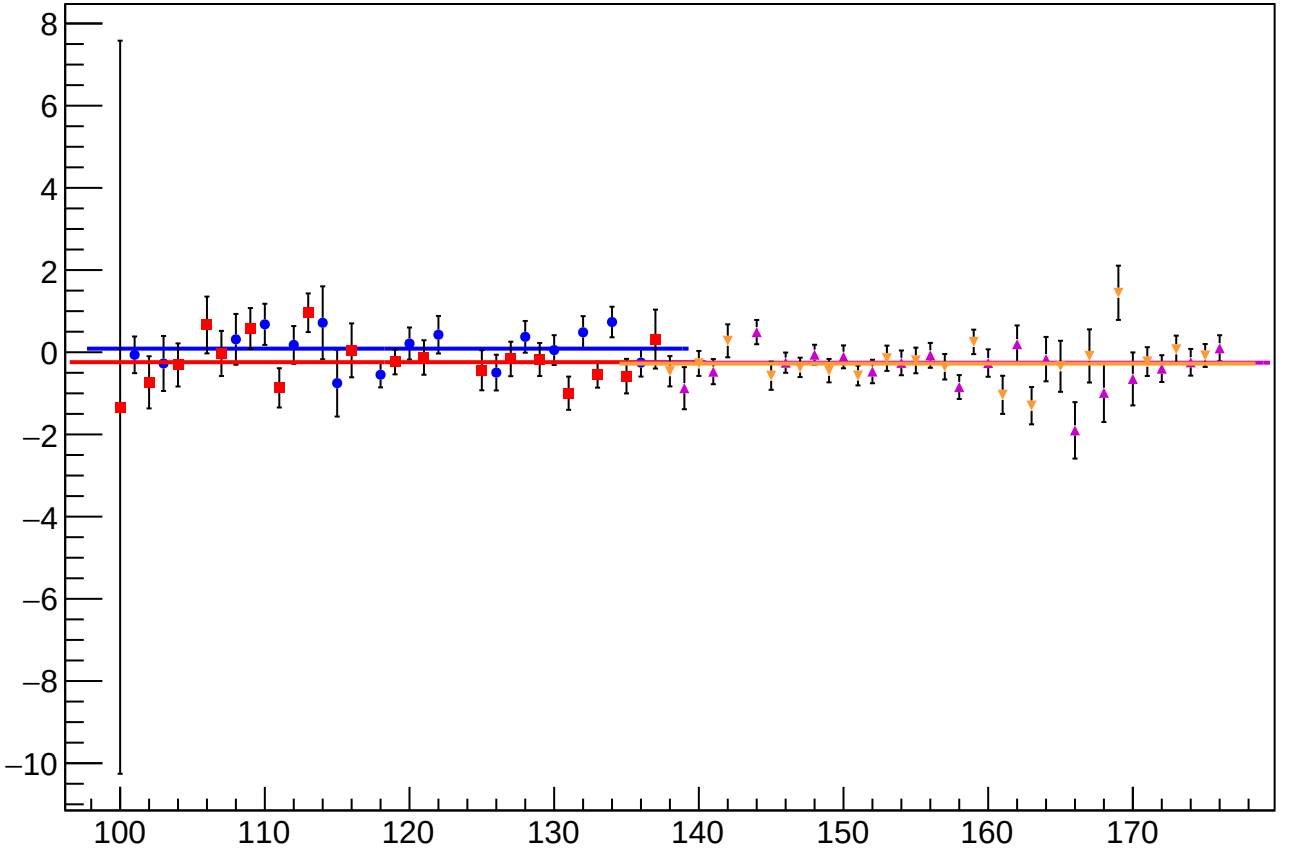
Left In: -0.062+/-0.090 χ^2/NDF:31.9/18

+ sign -0.315+/-0.068 χ^2/NDF: 56.2/34

All: -0.277+/-0.048 χ^2/NDF: 140.1/71

- sign -0.240+/-0.068 χ^2/NDF: 83.2/36

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.276+/-0.077 χ^2/NDF:24.6/18

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

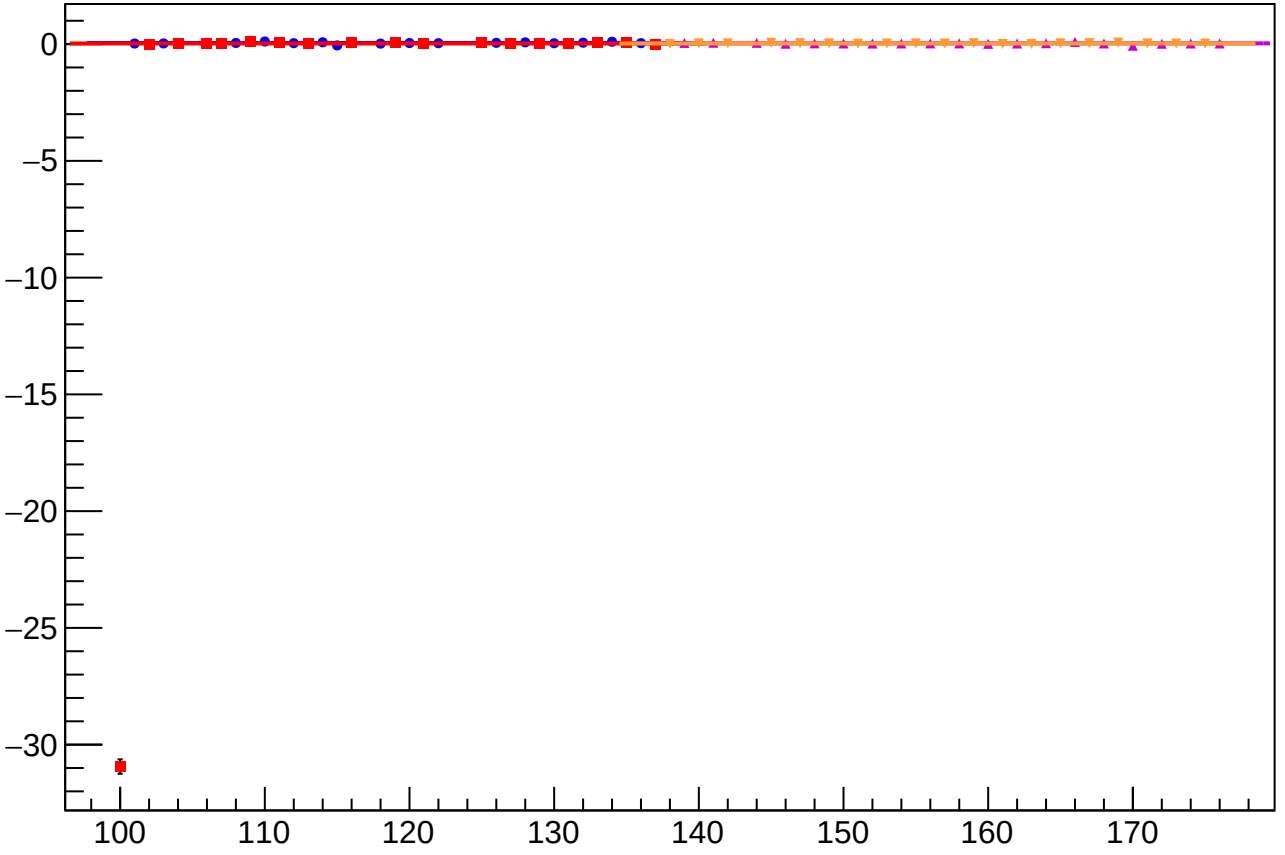
Left In: -0.254+/-0.076 χ^2/NDF:23.9/18

+ sign -0.155+/-0.063 χ^2/NDF: 48.0/34

All: -0.202+/-0.044 χ^2/NDF: 92.7/71

- sign -0.250+/-0.063 χ^2/NDF: 43.6/36

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.003 χ^2/NDF:12.4/18

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

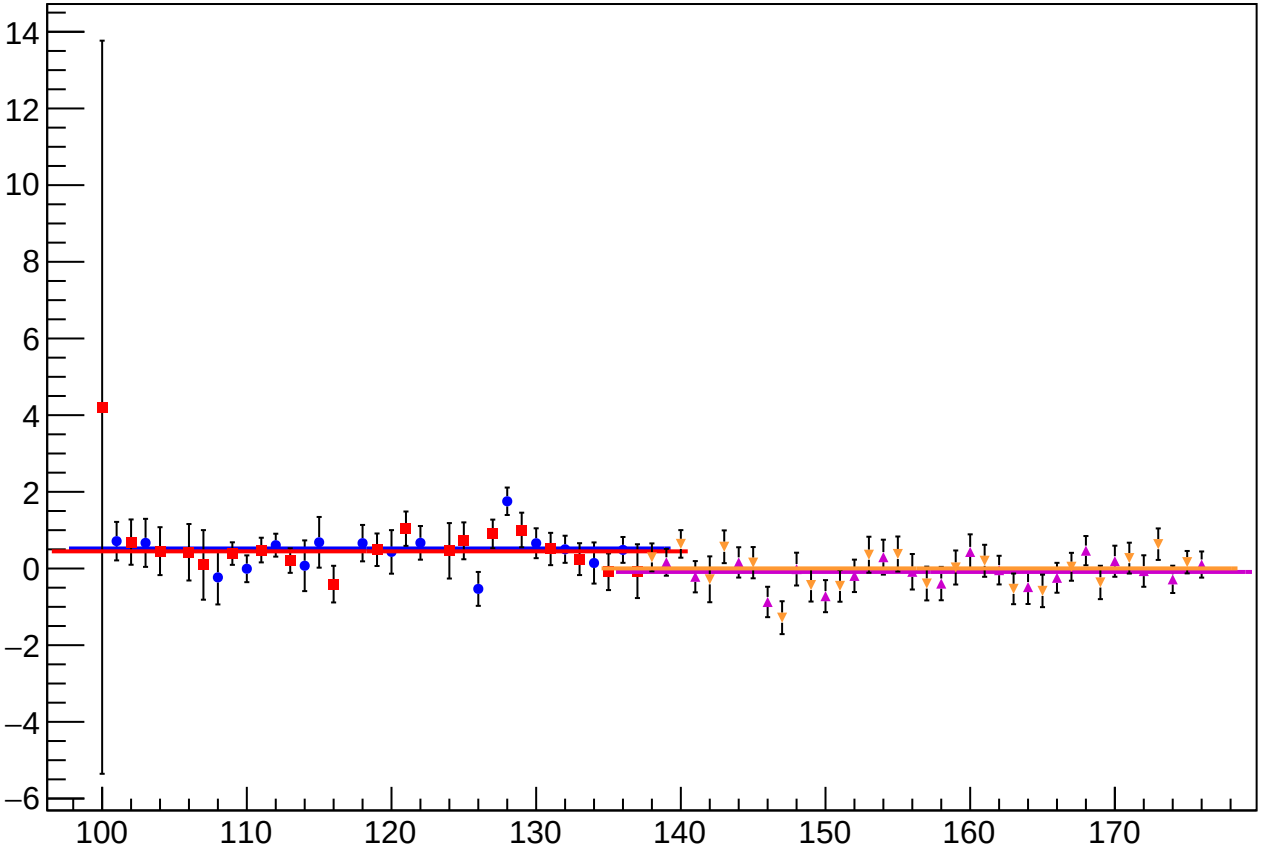
Left In: 0.032+/-0.003 χ^2/NDF:30.4/18

+ sign 0.032+/-0.003 χ^2/NDF: 40.6/34

All: 0.032+/-0.002 χ^2/NDF: 10092.4/71

- sign 0.031+/-0.003 χ^2/NDF: 10051.7/36

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.003+/-0.091 χ^2/NDF:26.9/19

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

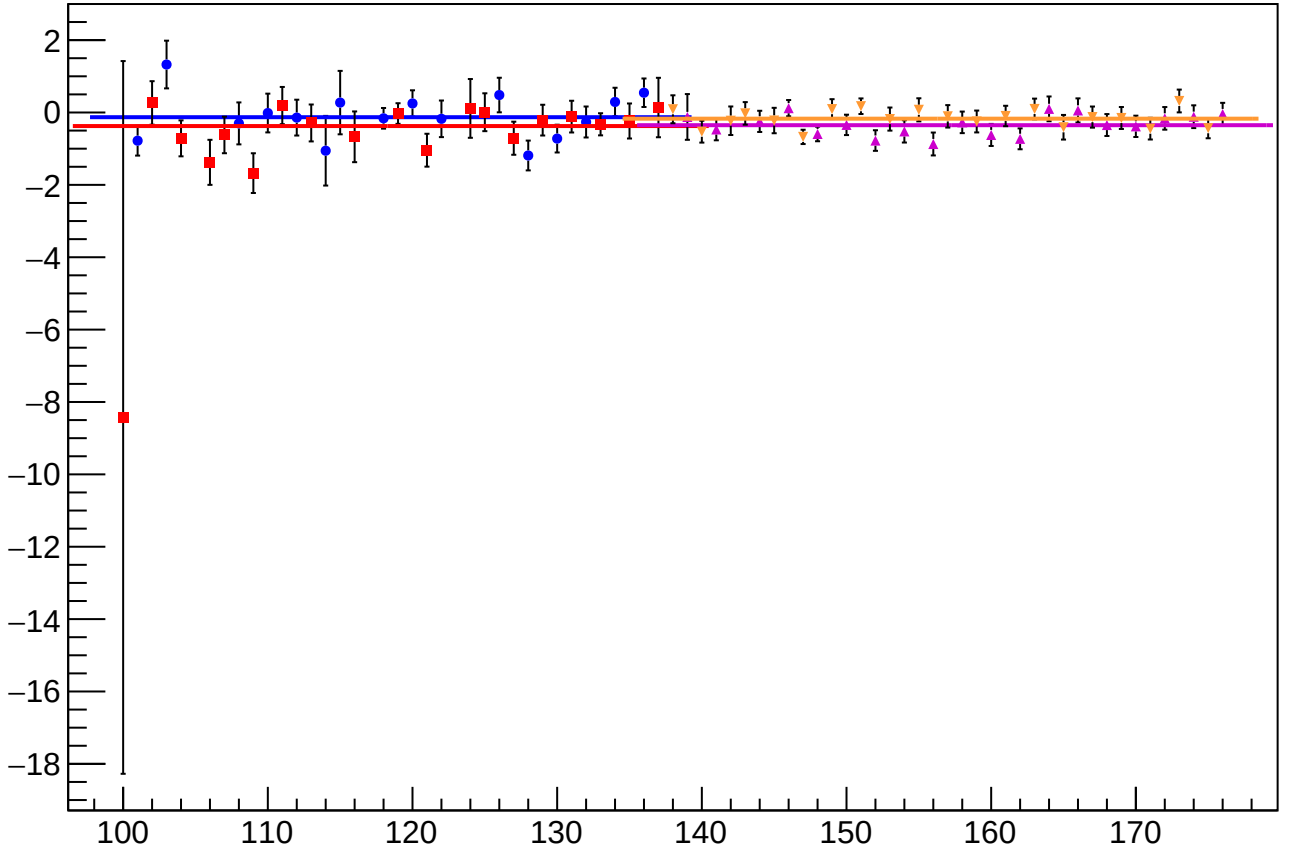
Left In: -0.090+/-0.092 χ^2/NDF:13.9/18

\+ sign 0.218+/-0.070 χ^2/NDF: 63.0/35

All: 0.181+/-0.049 χ^2/NDF: 103.7/73

\- sign 0.144+/-0.069 χ^2/NDF: 40.1/37

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.171+/-0.065 χ^2/NDF:18.4/19

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

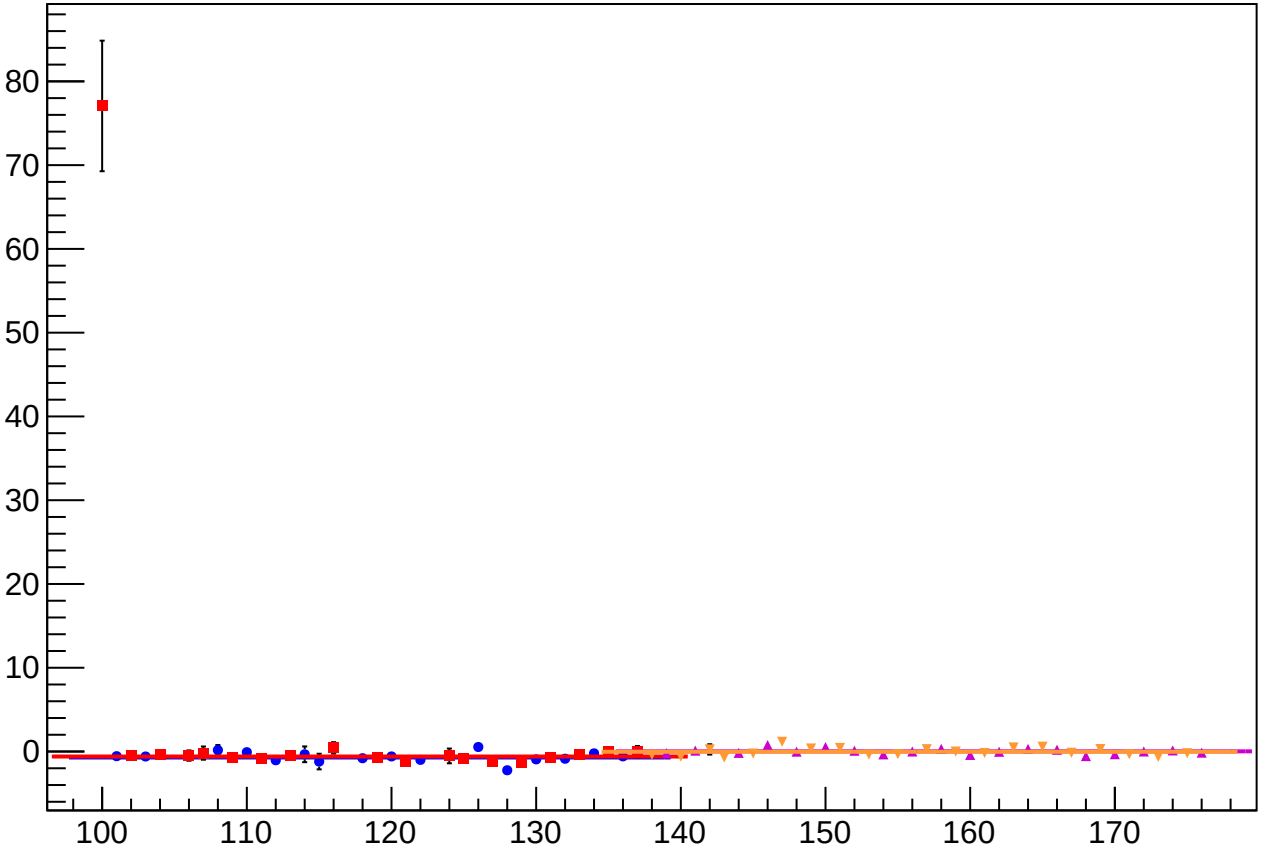
Left In: -0.351+/-0.067 χ^2/NDF:19.2/18

+ sign -0.160+/-0.056 χ^2/NDF: 43.1/35

All: -0.257+/-0.040 χ^2/NDF: 86.5/73

- sign -0.357+/-0.058 χ^2/NDF: 37.4/37

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.029+/-0.090 χ^2/NDF:26.7/19

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

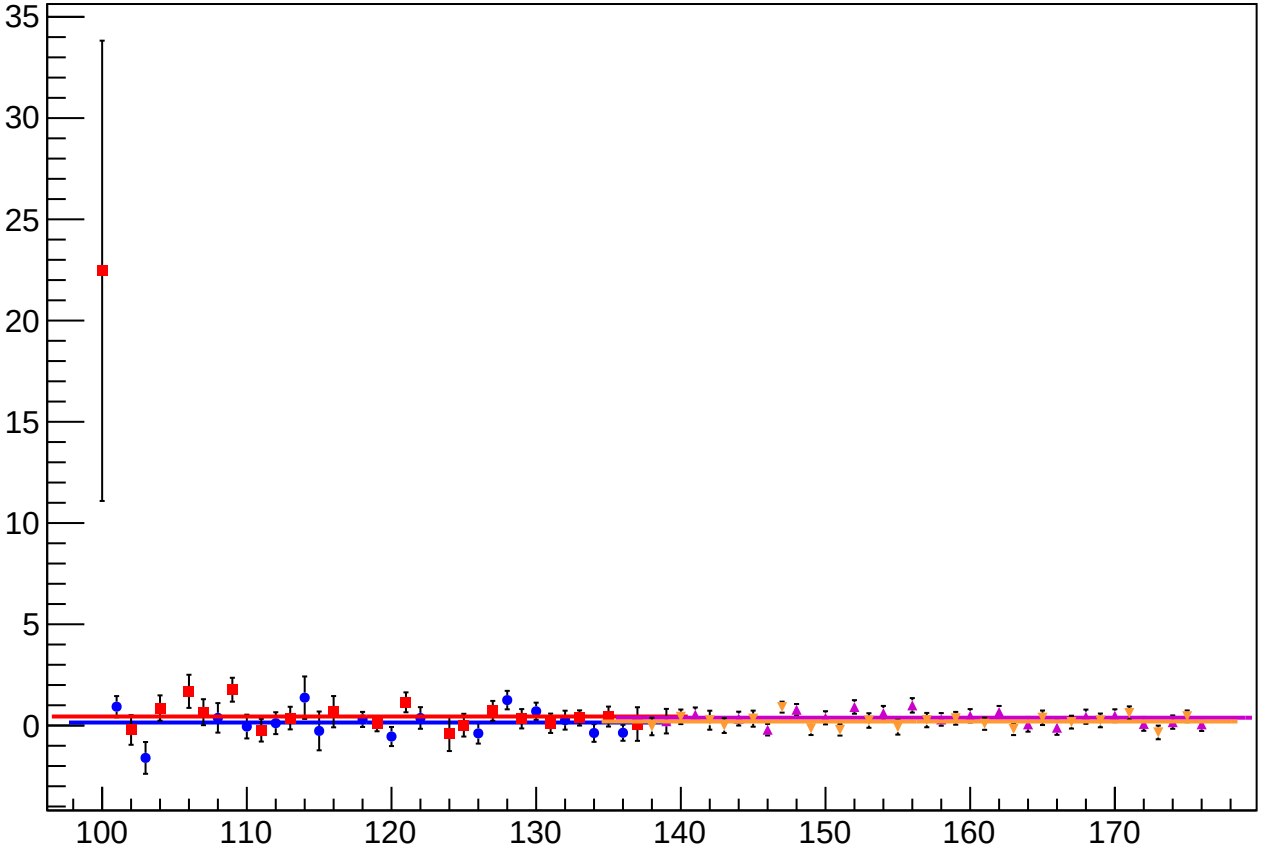
Left In: 0.021+/-0.091 χ^2/NDF:12.4/18

+ sign -0.270+/-0.072 χ^2/NDF: 72.1/35

All: -0.236+/-0.051 χ^2/NDF: 212.5/73

- sign -0.200+/-0.073 χ^2/NDF: 140.0/37

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.199+/-0.075 χ^2/NDF:19.1/19

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

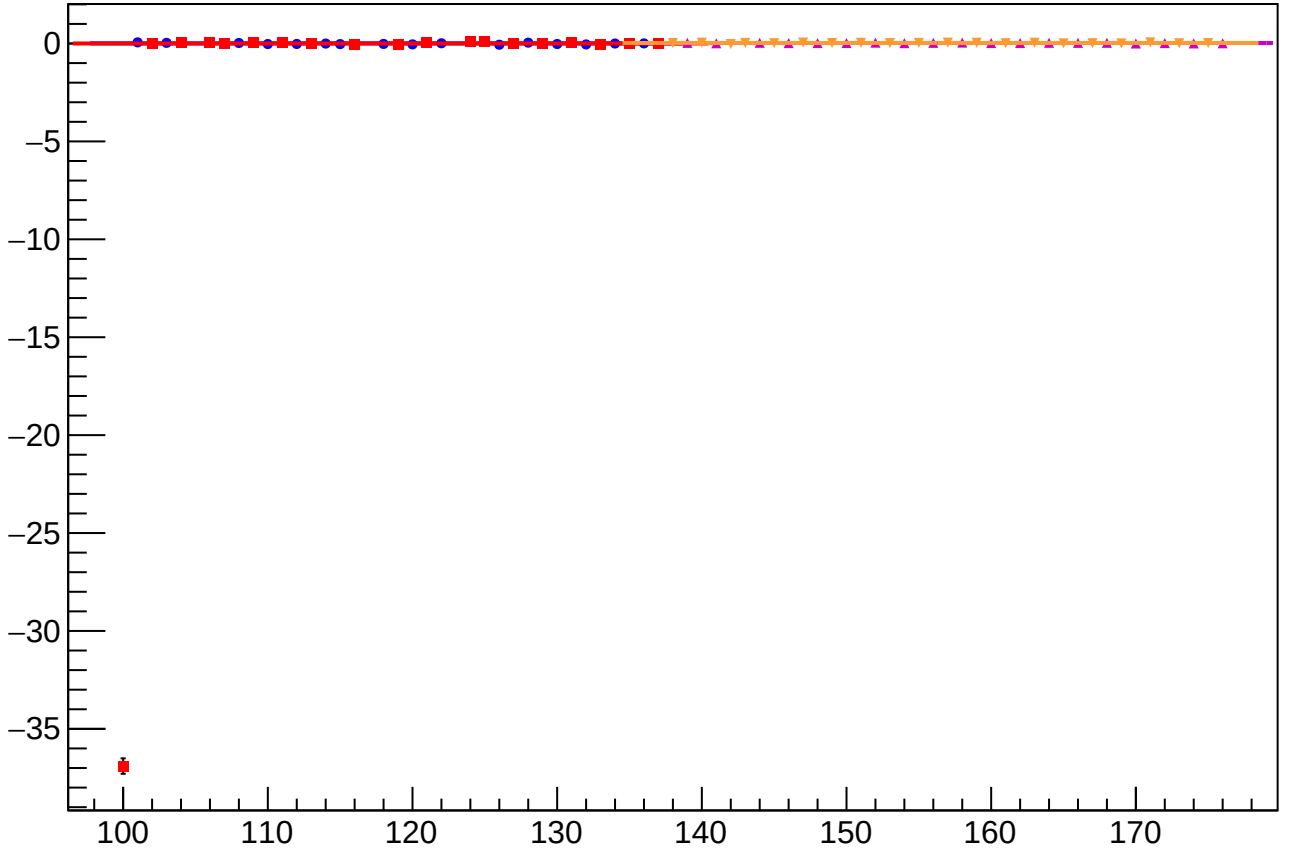
Left In: 0.385+/-0.077 χ^2/NDF:18.5/18

+ sign 0.186+/-0.065 χ^2/NDF: 42.4/35

All: 0.291+/-0.046 χ^2/NDF: 86.2/73

- sign 0.401+/-0.066 χ^2/NDF: 38.3/37

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.027+/-0.003 χ^2/NDF:21.8/19

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

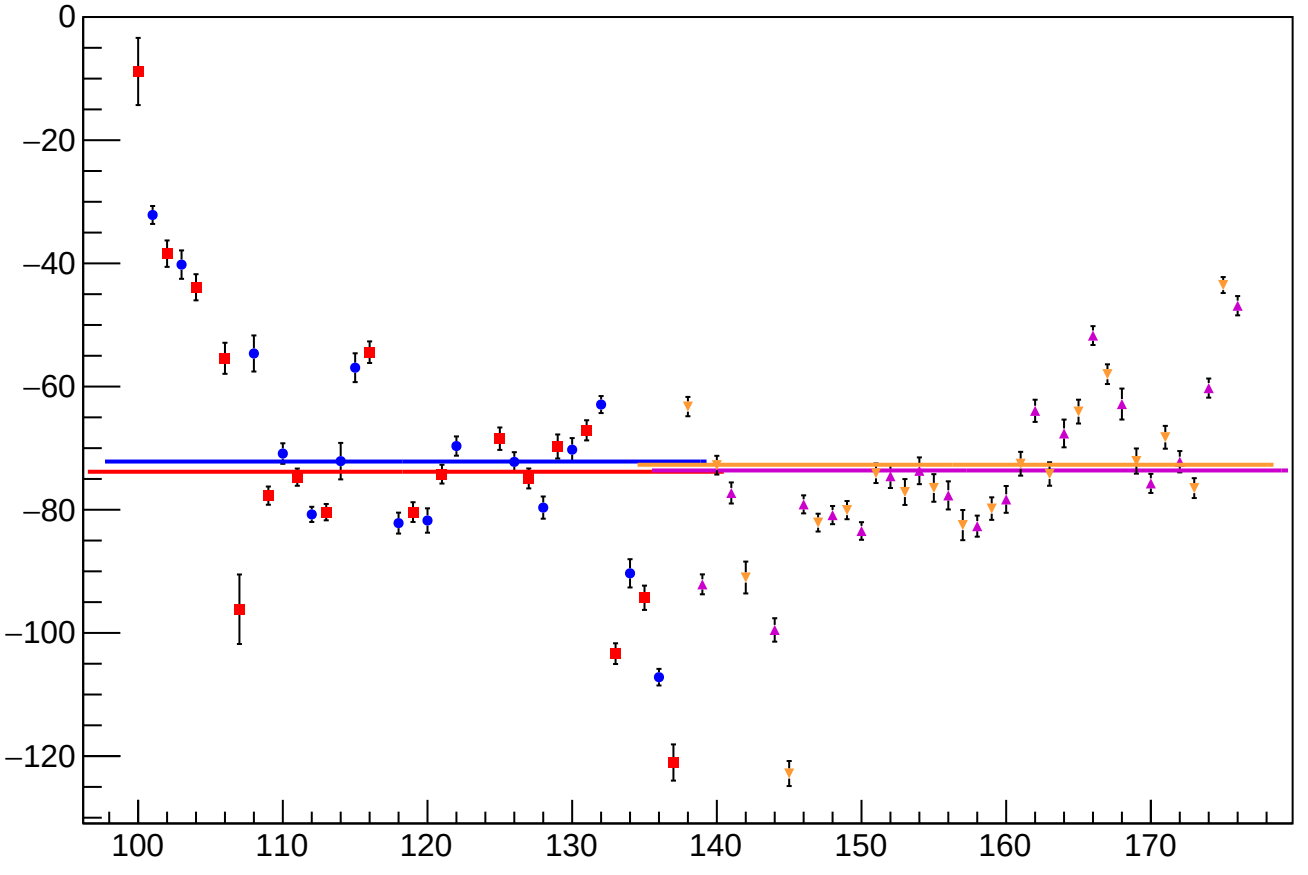
Left In: 0.026+/-0.003 χ^2/NDF:14.1/18

+ sign 0.024+/-0.003 χ^2/NDF: 46.1/35

All: 0.023+/-0.002 χ^2/NDF: 8822.2/73

- sign 0.022+/-0.003 χ^2/NDF: 8776.0/37

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -72.694+/-0.403 χ^2/NDF:1423.3/18

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

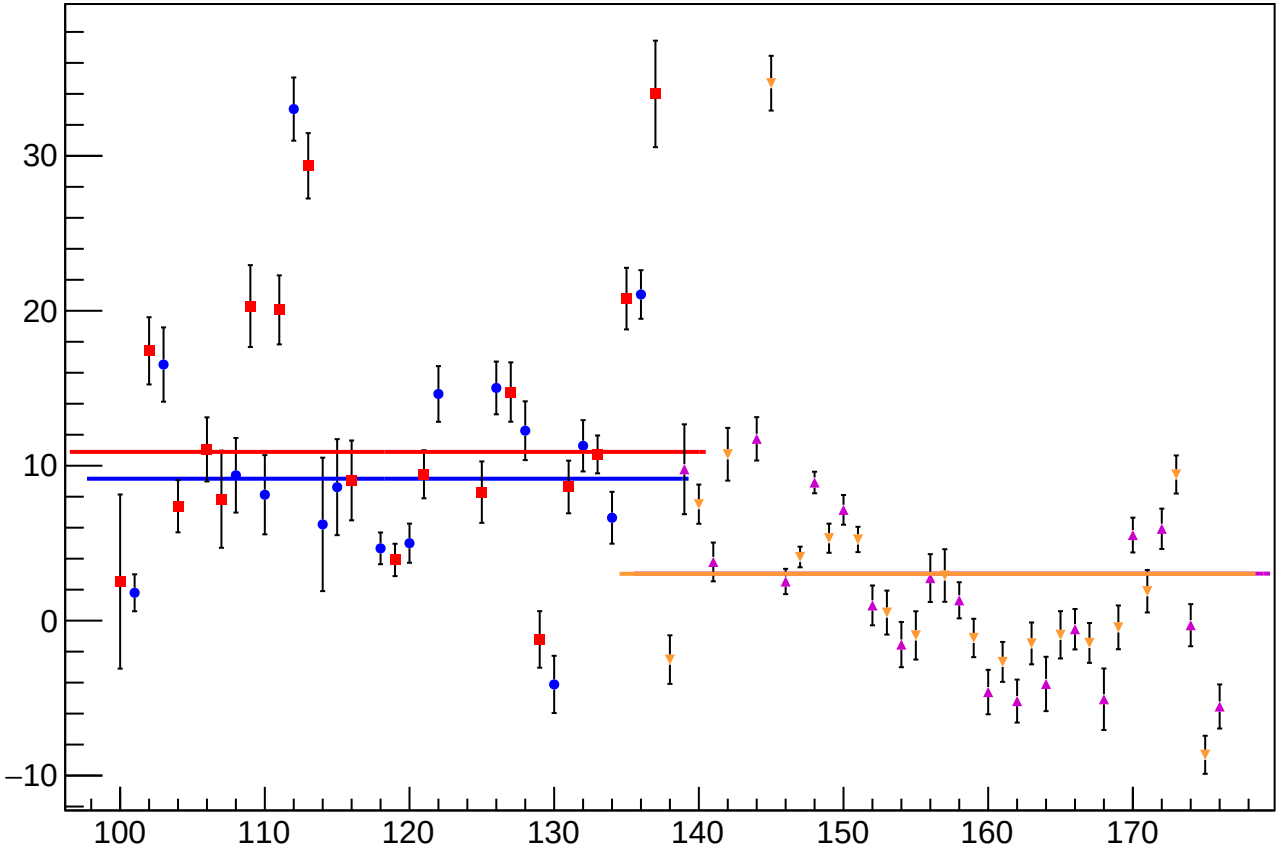
Left In: -73.623+/-0.398 χ^2/NDF:1069.8/18

+ sign -72.452+/-0.295 χ^2/NDF: 3360.1/34

All: -73.090+/-0.207 χ^2/NDF: 5997.0/71

- sign -73.719+/-0.292 χ^2/NDF: 2627.6/36

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 3.023+/-0.277 χ^2/NDF:577.0/18

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

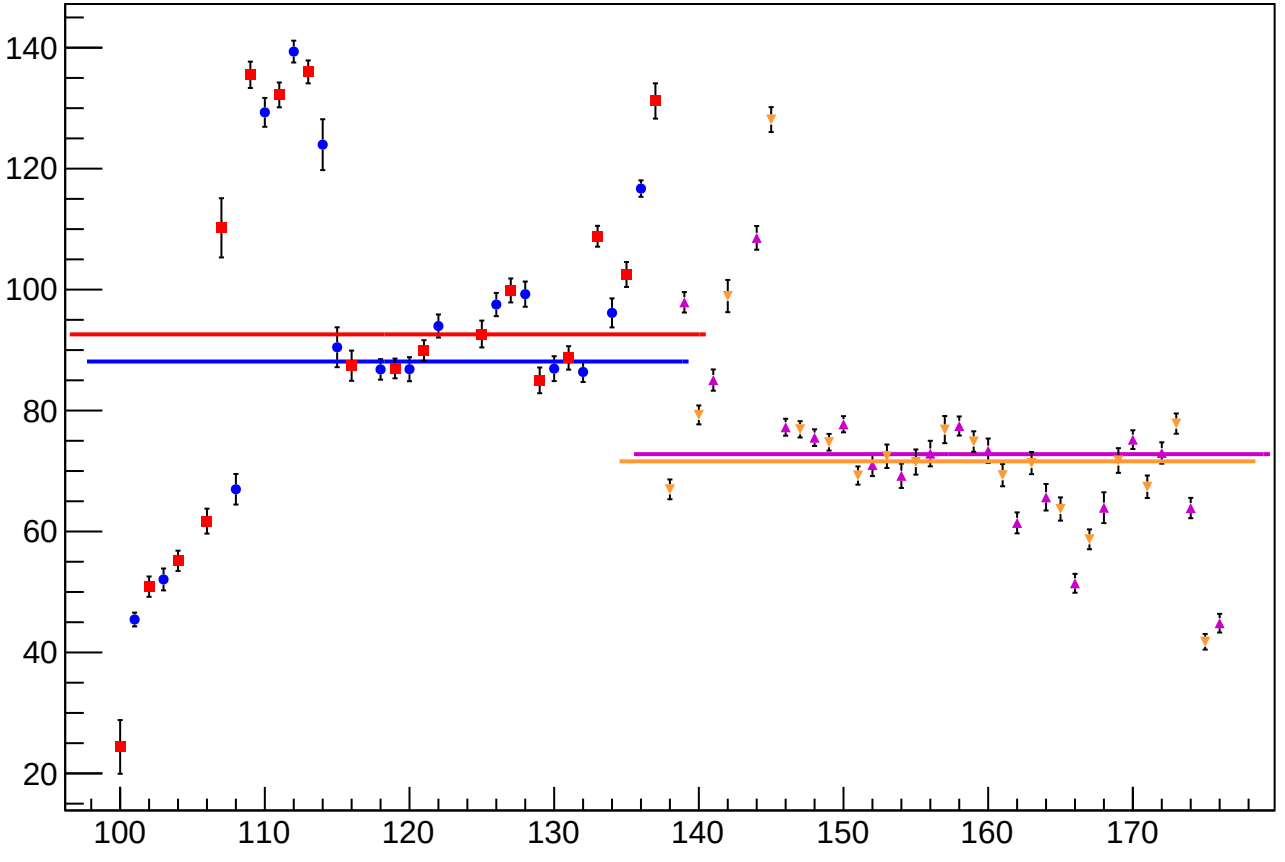
Left In: 3.036+/-0.280 χ^2/NDF:306.0/18

\+ sign 4.853+/-0.232 χ^2/NDF: 1075.4/34

All: 5.072+/-0.166 χ^2/NDF: 1900.3/71

\- sign 5.300+/-0.236 χ^2/NDF: 823.0/36

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 71.604+/-0.394 χ^2/NDF:1554.8/18

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

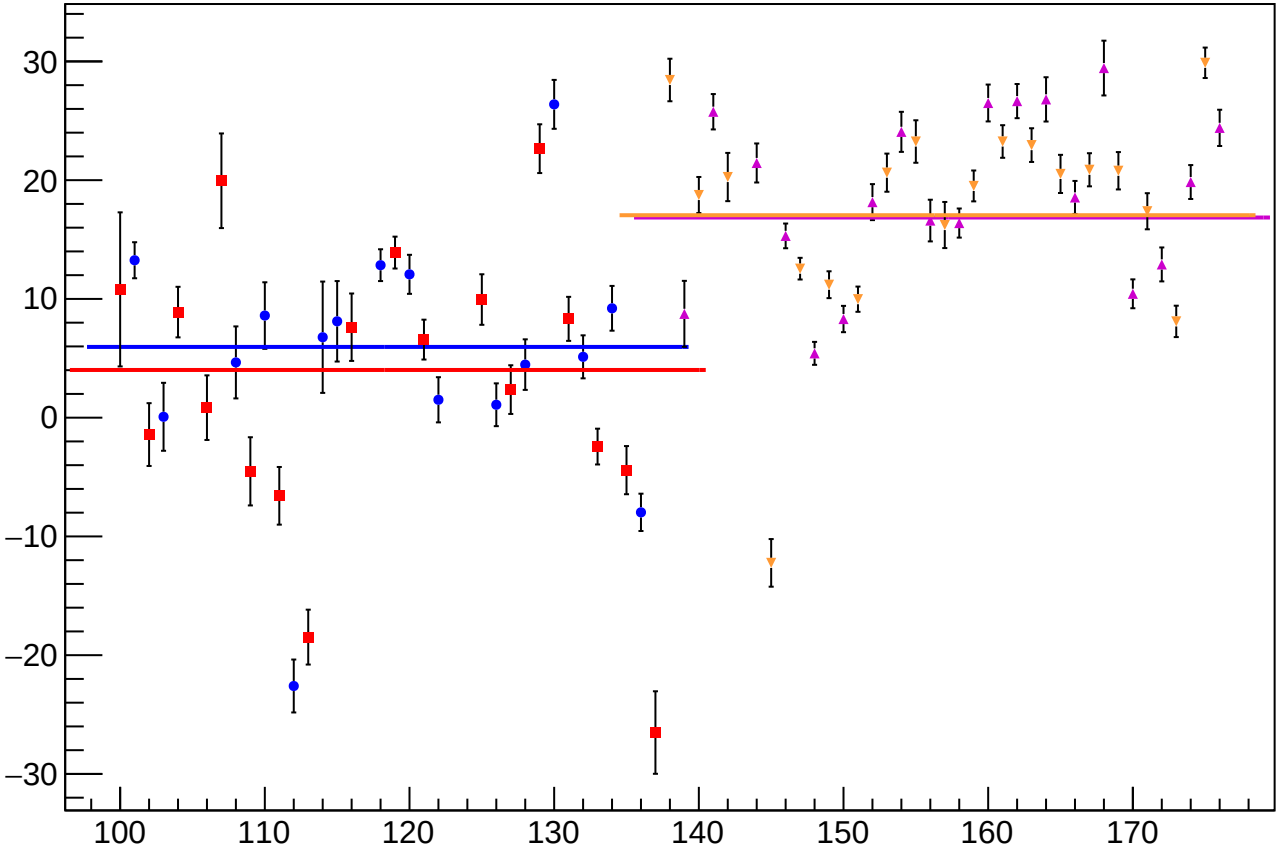
Left In: 72.790+/-0.390 χ^2/NDF:1254.9/18

+ sign 78.445+/-0.302 χ^2/NDF: 5842.9/34

All: 79.521+/-0.214 χ^2/NDF: 11351.3/71

- sign 80.612+/-0.304 χ^2/NDF: 5482.7/36

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 17.049+/-0.323 χ^2/NDF:575.1/18

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

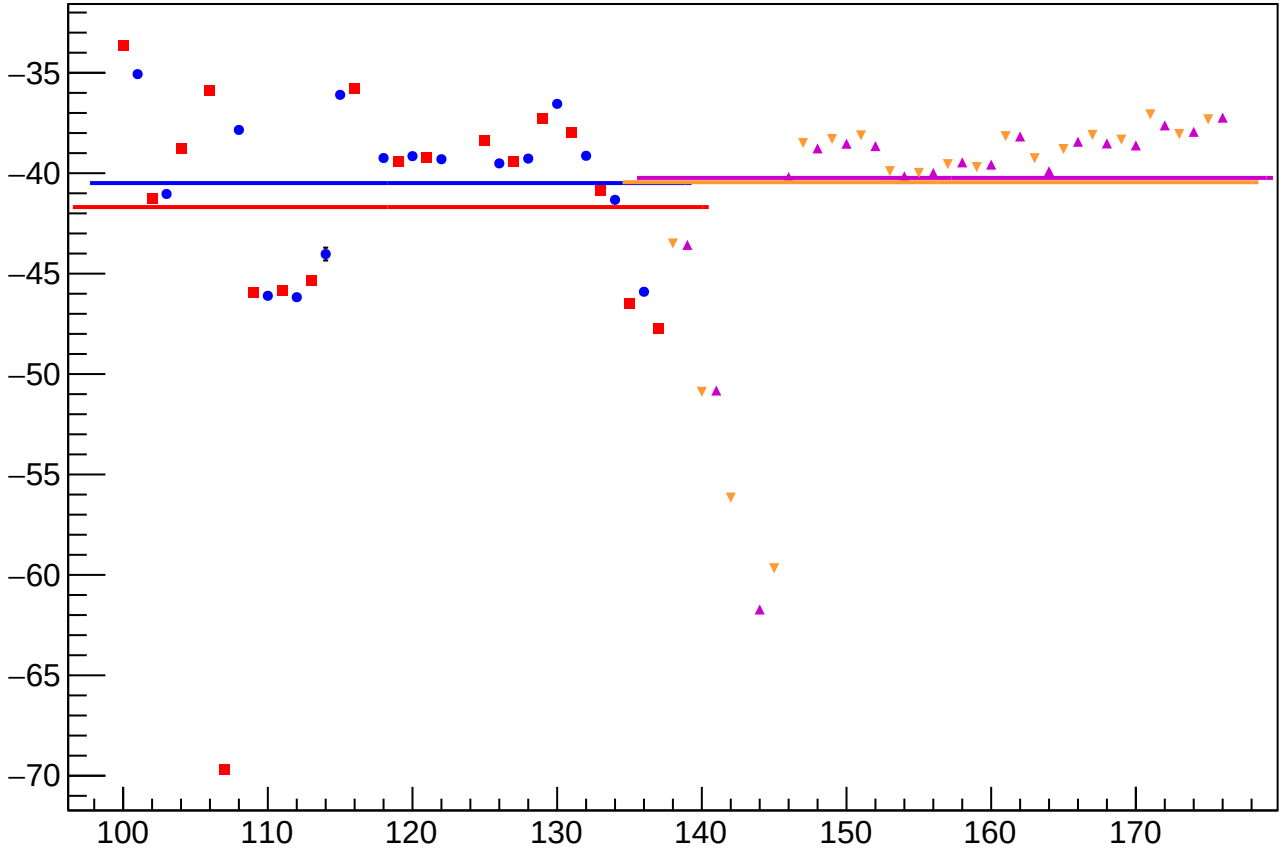
Left In: 16.855+/-0.324 χ^2/NDF:482.2/18

+ sign 13.739+/-0.270 χ^2/NDF: 1354.5/34

All: 13.451+/-0.192 χ^2/NDF: 2708.5/71

- sign 13.156+/-0.274 χ^2/NDF: 1351.7/36

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.449+/-0.015 χ^2/NDF:117215.1/18

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

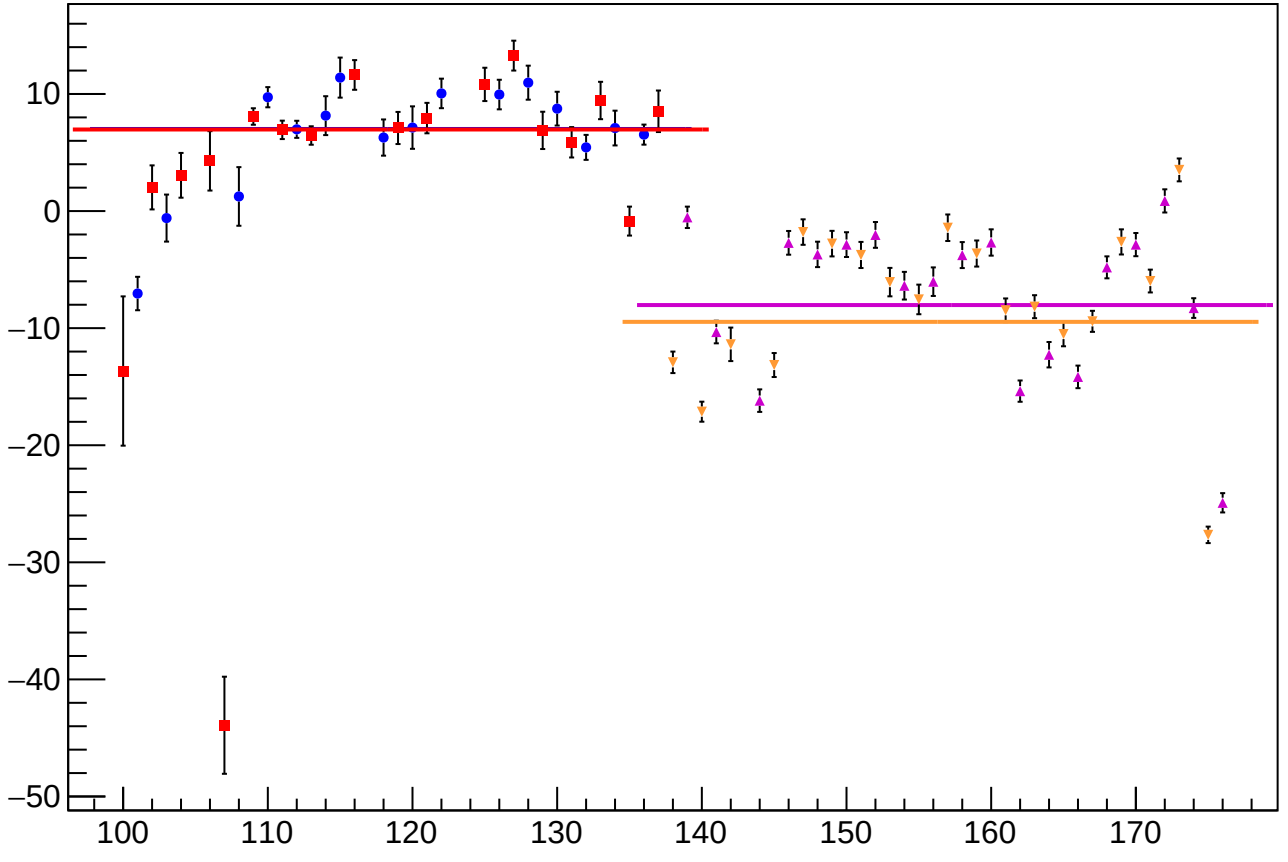
Left In: -40.233+/-0.015 χ^2/NDF:95640.8/18

+ sign -40.458+/-0.013 χ^2/NDF: 135342.2/34

All: -40.492+/-0.009 χ^2/NDF: 269803.3/71

- sign -40.526+/-0.013 χ^2/NDF: 134448.1/36

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -9.462+/-0.232 χ^2/NDF:1212.0/18

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

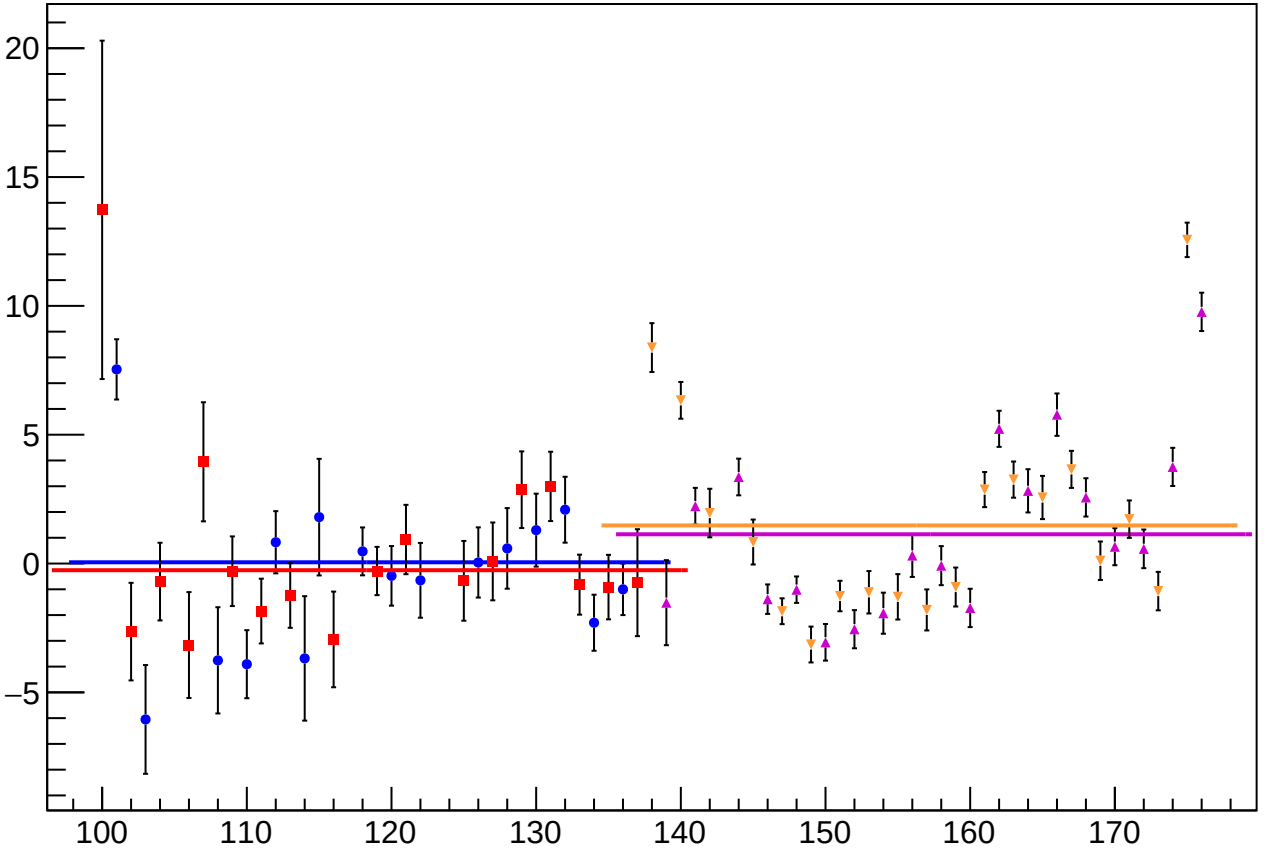
Left In: -8.028+/-0.229 χ^2/NDF:944.2/18

\+ sign -3.520+/-0.186 χ^2/NDF: 3182.2/34

All: -2.981+/-0.130 χ^2/NDF: 5999.8/71

\- sign -2.467+/-0.182 χ^2/NDF: 2801.1/36

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 1.480+/-0.167 χ^2/NDF:567.6/18

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

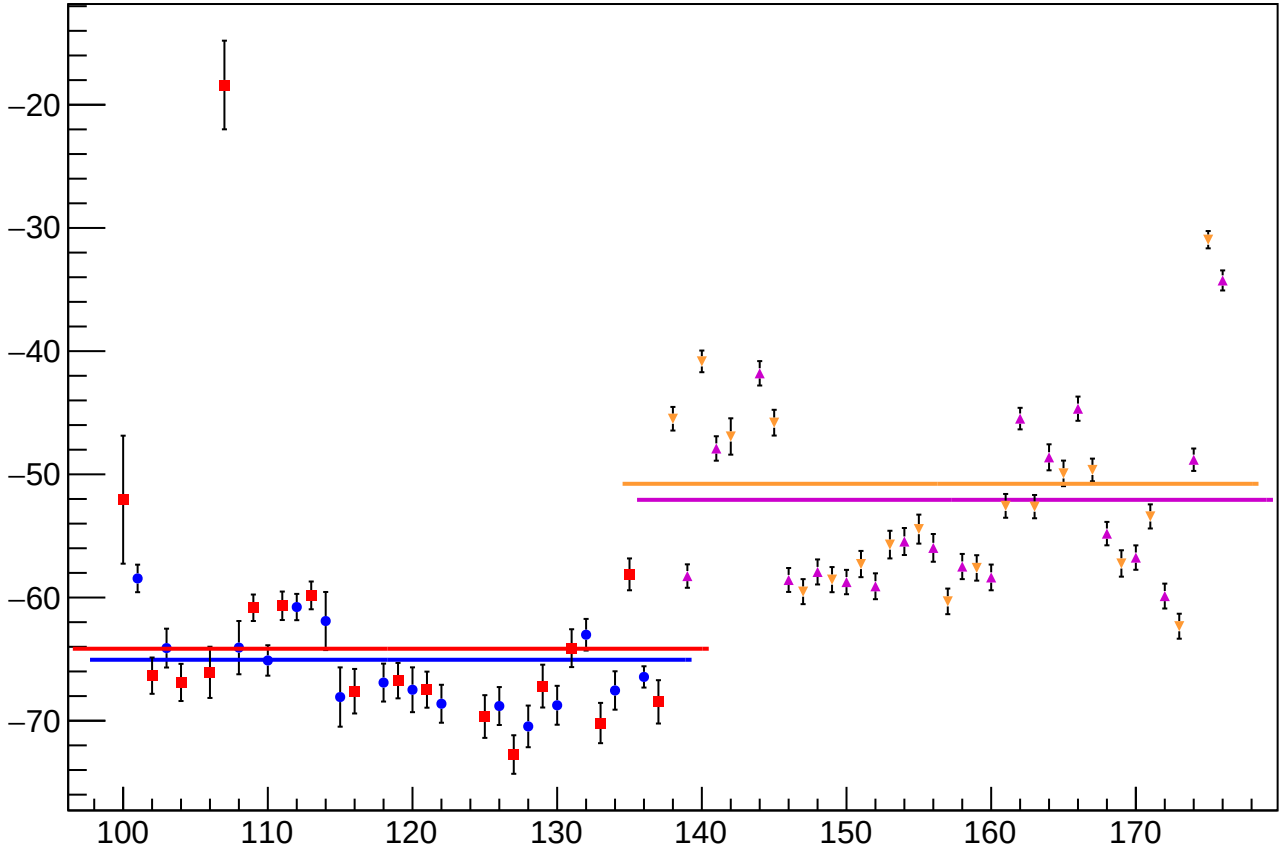
Left In: 1.136+/-0.168 χ^2/NDF:366.1/18

\+ sign 1.189+/-0.149 χ^2/NDF: 657.4/34

All: 1.031+/-0.106 χ^2/NDF: 1066.6/71

\- sign 0.869+/-0.151 χ^2/NDF: 406.9/36

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -50.767+/-0.228 χ^2/NDF:1493.3/18

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

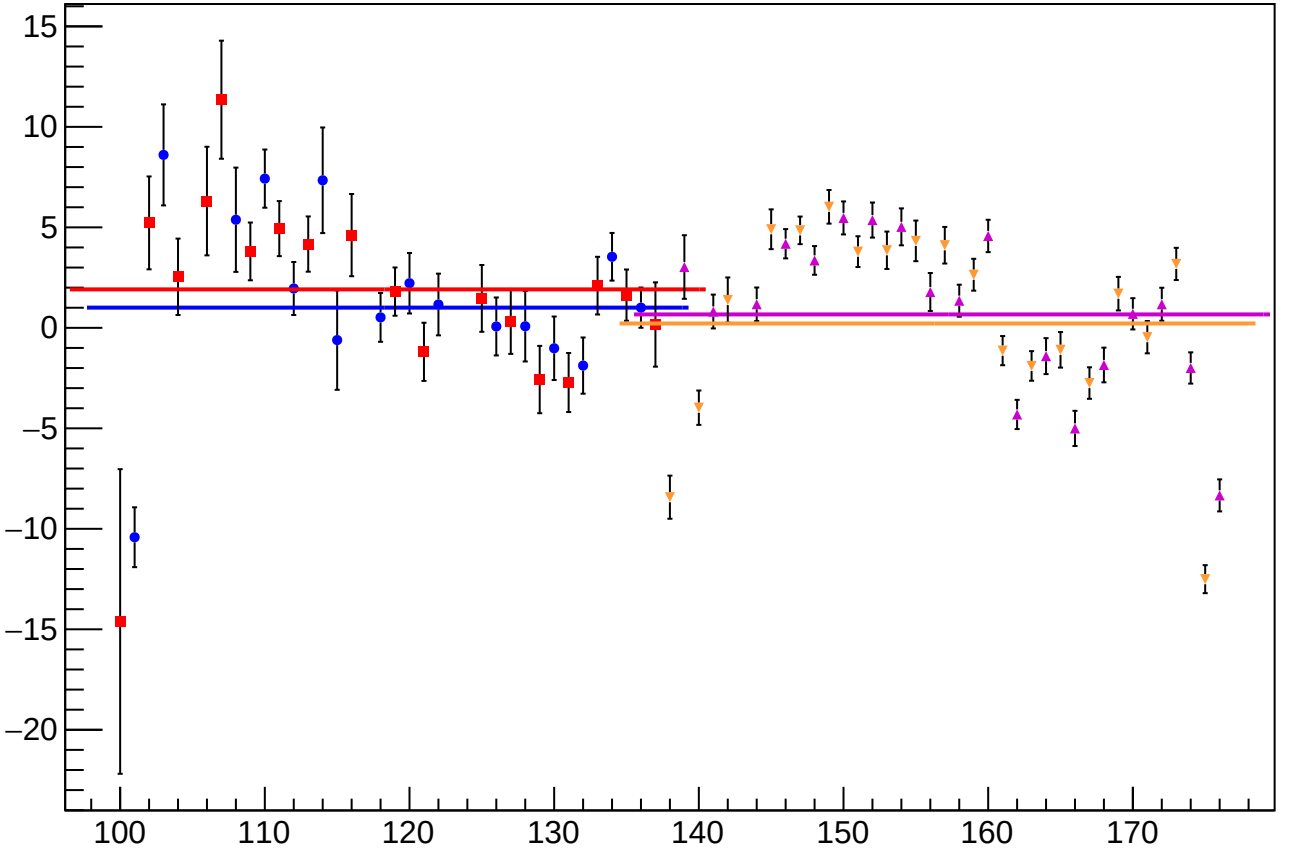
Left In: -52.069+/-0.226 χ^2/NDF:1127.4/18

+ sign -54.967+/-0.192 χ^2/NDF: 2735.5/34

All: -55.219+/-0.135 χ^2/NDF: 4978.1/71

- sign -55.470+/-0.191 χ^2/NDF: 2239.1/36

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 0.217+/-0.191 χ^2/NDF:666.3/18

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

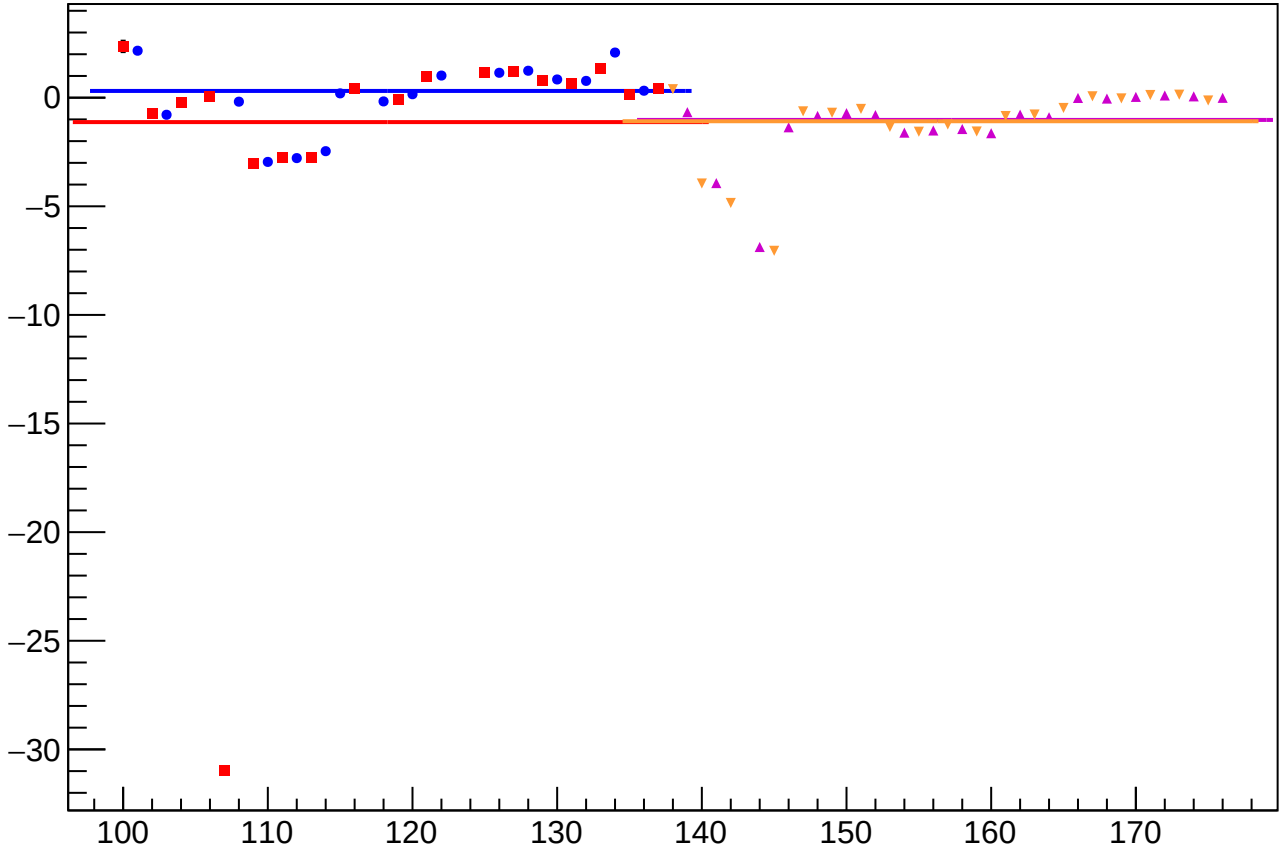
Left In: 0.668+/-0.191 χ^2/NDF:393.9/18

+ sign 0.379+/-0.170 χ^2/NDF: 779.1/34

All: 0.642+/-0.121 χ^2/NDF: 1240.5/71

- sign 0.909+/-0.171 χ^2/NDF: 456.6/36

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.084+/-0.009 χ^2/NDF:38186.3/18

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

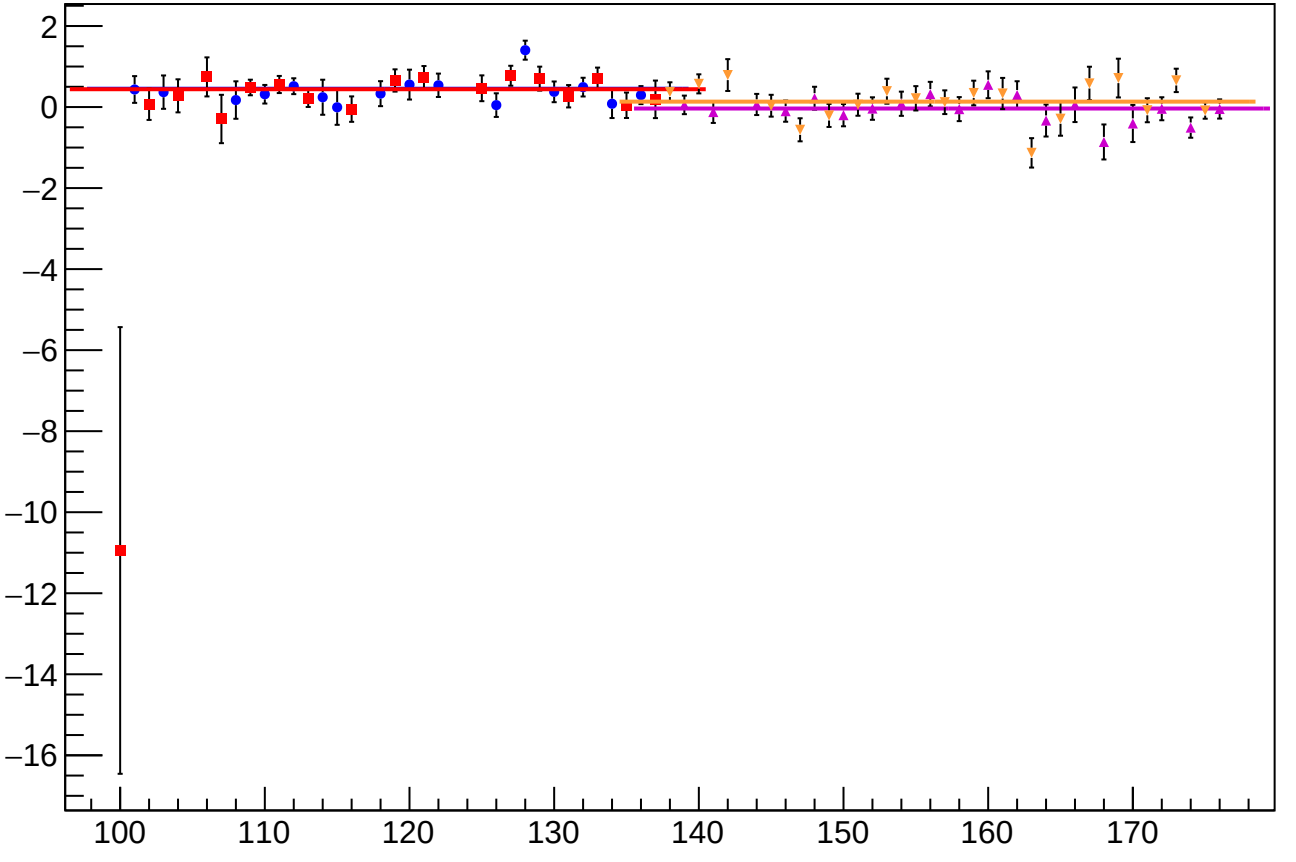
Left In: -1.024+/-0.008 χ^2/NDF:29518.9/18

+ sign -0.884+/-0.008 χ^2/NDF: 46787.8/34

All: -0.962+/-0.006 χ^2/NDF: 122858.5/71

- sign -1.036+/-0.008 χ^2/NDF: 75884.6/36

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.134+/-0.068 χ^2/NDF:37.2/18

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

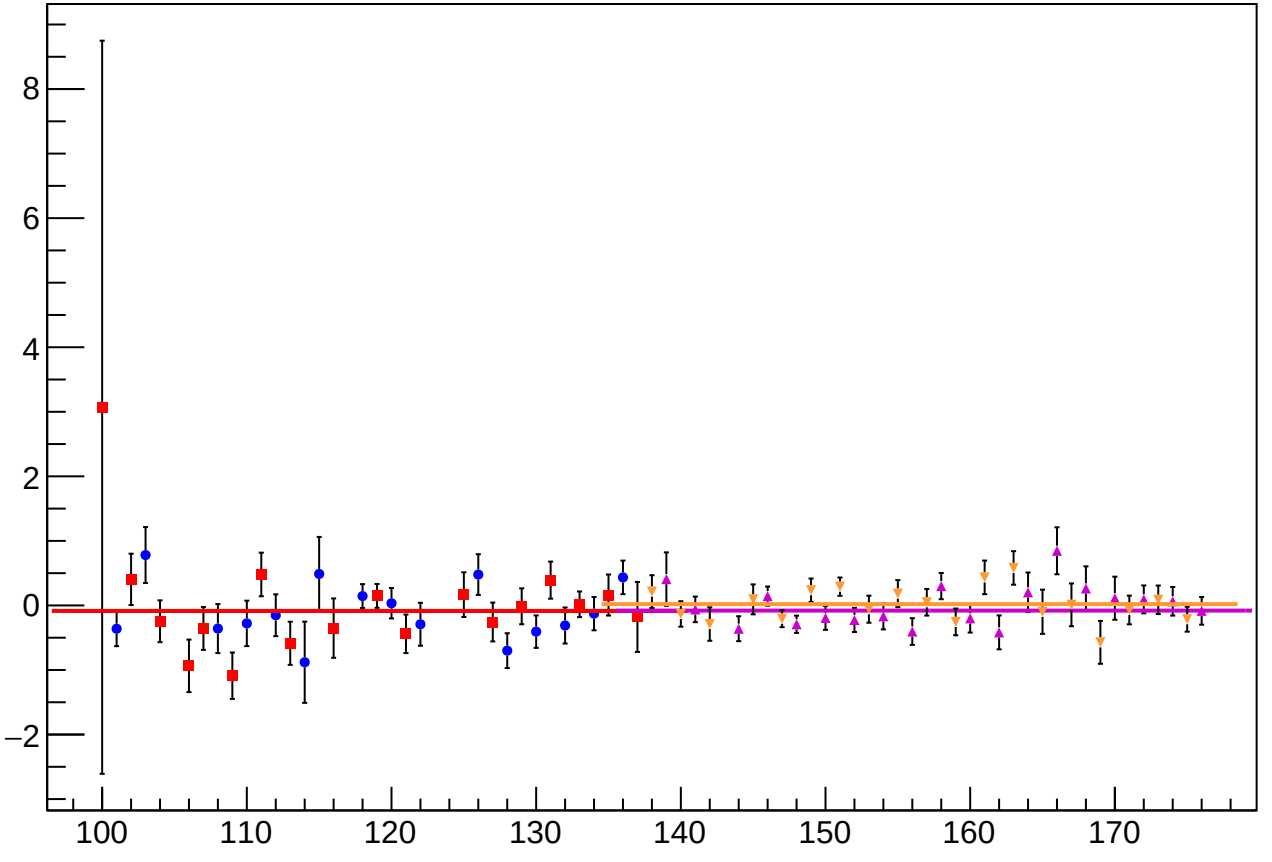
Left In: -0.037+/-0.067 χ^2/NDF:15.7/18

+ sign 0.286+/-0.049 χ^2/NDF: 70.3/34

All: 0.239+/-0.035 χ^2/NDF: 130.5/71

- sign 0.194+/-0.048 χ^2/NDF: 58.4/36

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.020+/-0.048 χ^2/NDF:25.4/18

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

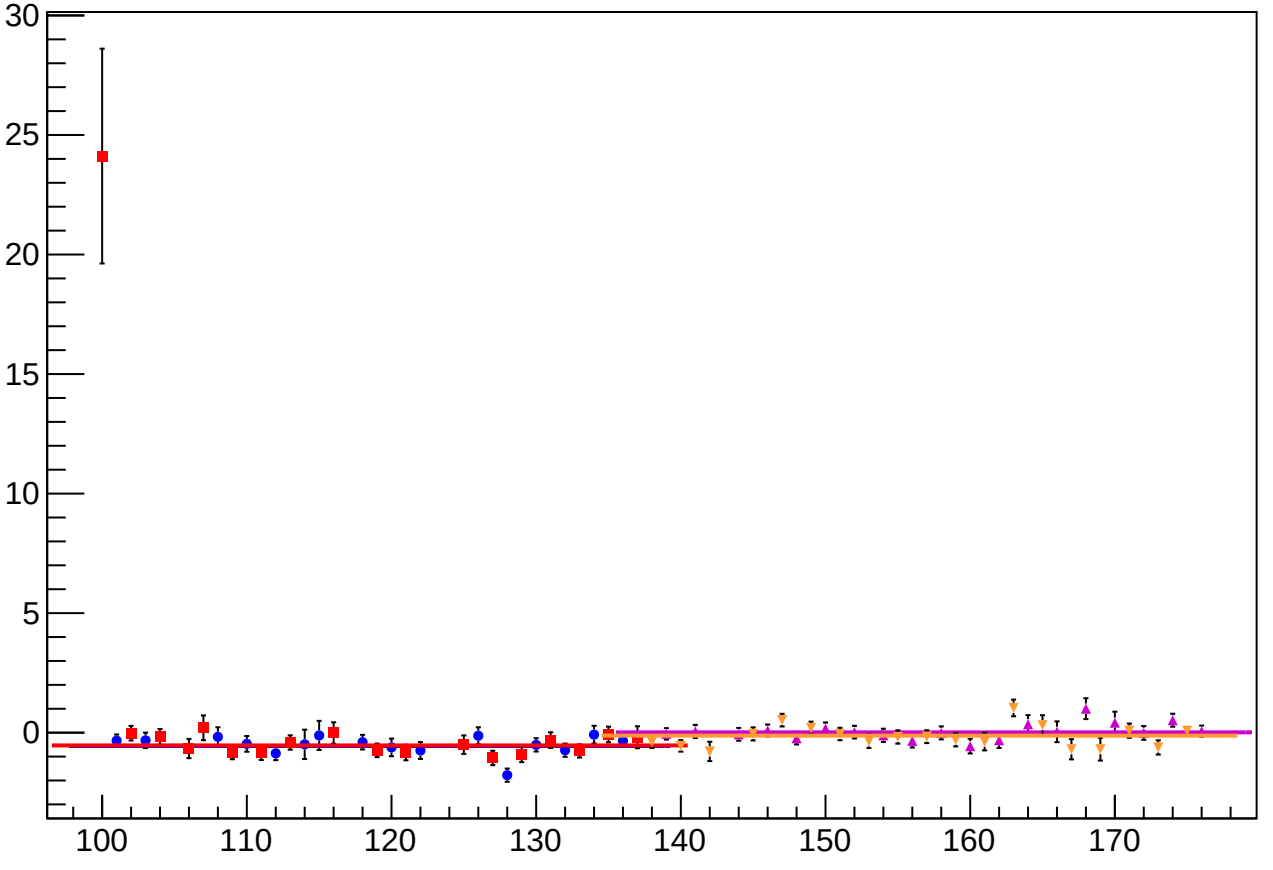
Left In: -0.080+/-0.049 χ^2/NDF:27.1/18

+ sign -0.012+/-0.040 χ^2/NDF: 52.3/34

All: -0.047+/-0.029 χ^2/NDF: 108.8/71

- sign -0.082+/-0.041 χ^2/NDF: 55.0/36

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+/-0.067 χ^2/NDF:35.6/18

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

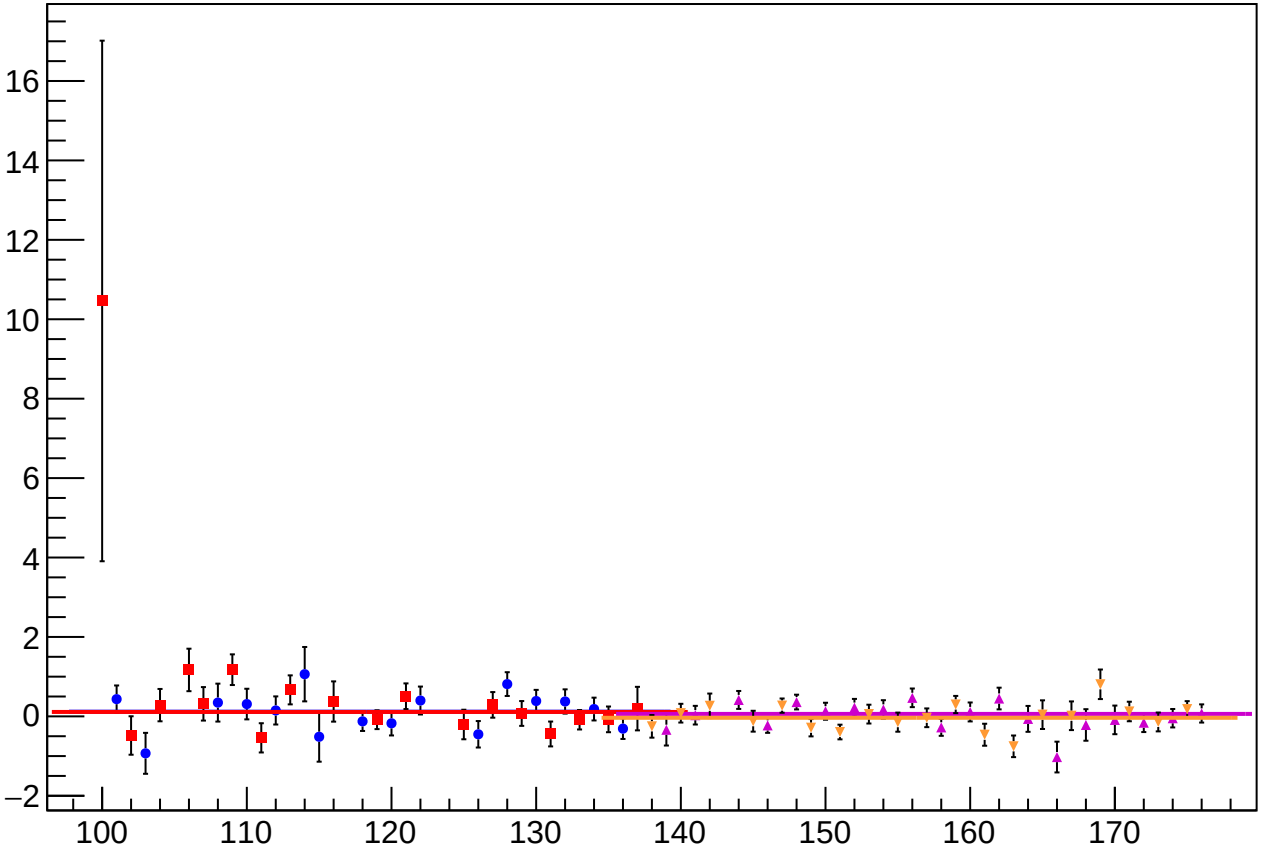
Left In: 0.013+/-0.066 χ^2/NDF:18.1/18

+ sign -0.302+/-0.051 χ^2/NDF: 81.5/34

All: -0.255+/-0.036 χ^2/NDF: 177.9/71

- sign -0.207+/-0.051 χ^2/NDF: 94.7/36

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.036+/-0.056 χ^2/NDF:28.9/18

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

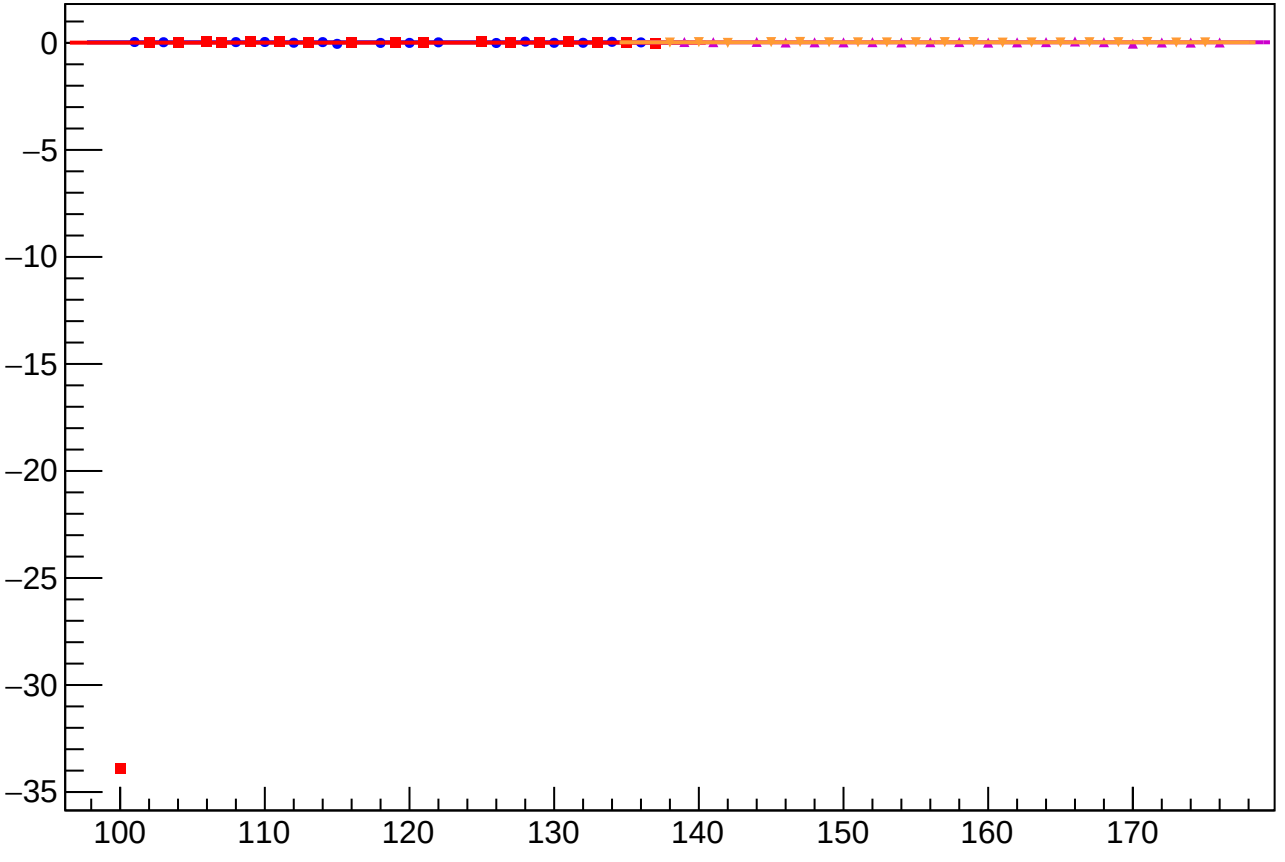
Left In: 0.062+/-0.056 χ^2/NDF:26.6/18

+ sign 0.011+/-0.047 χ^2/NDF: 54.9/34

All: 0.044+/-0.033 χ^2/NDF: 111.7/71

- sign 0.077+/-0.047 χ^2/NDF: 55.8/36

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.003 χ^2/NDF:15.0/18

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

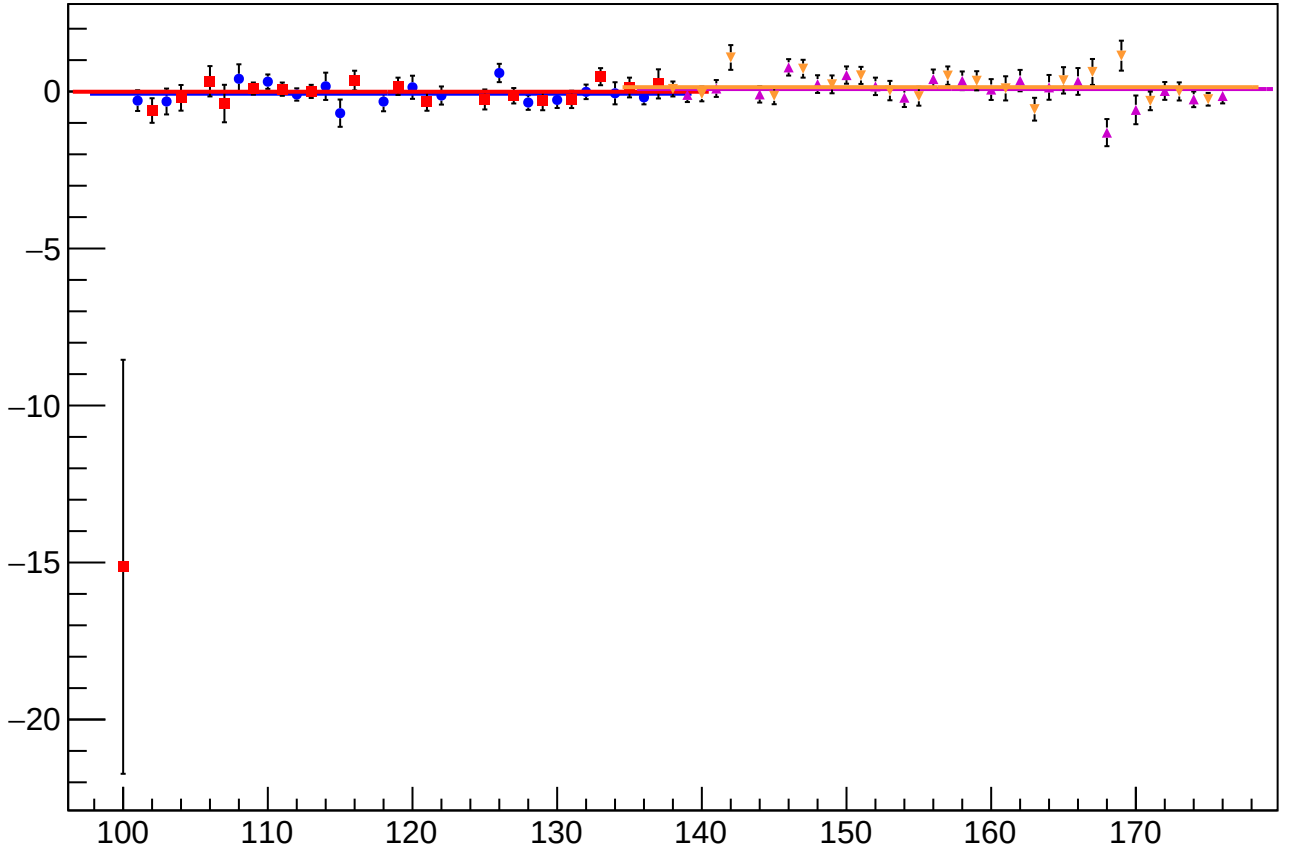
Left In: 0.029+/-0.002 χ^2/NDF:33.3/18

+ sign 0.028+/-0.002 χ^2/NDF: 29.7/34

All: 0.027+/-0.002 χ^2/NDF: 22335.3/71

- sign 0.025+/-0.002 χ^2/NDF: 22305.0/36

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.138+/-0.068 χ^2/NDF:32.9/18

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

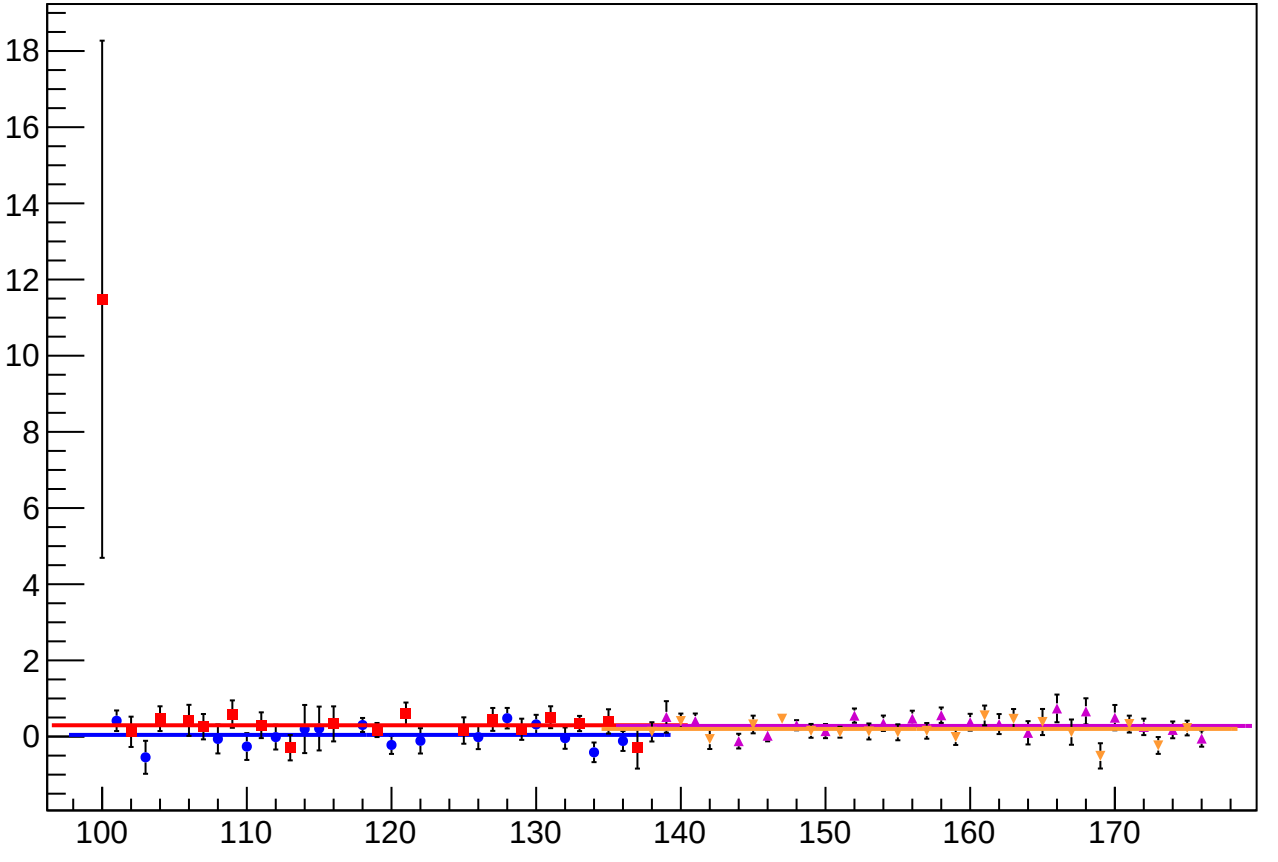
Left In: 0.079+/-0.067 χ^2/NDF:29.8/18

+ sign 0.039+/-0.049 χ^2/NDF: 52.9/34

All: 0.038+/-0.035 χ^2/NDF: 101.6/71

- sign 0.037+/-0.048 χ^2/NDF: 48.8/36

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.201+/-0.048 χ^2/NDF:20.5/18

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

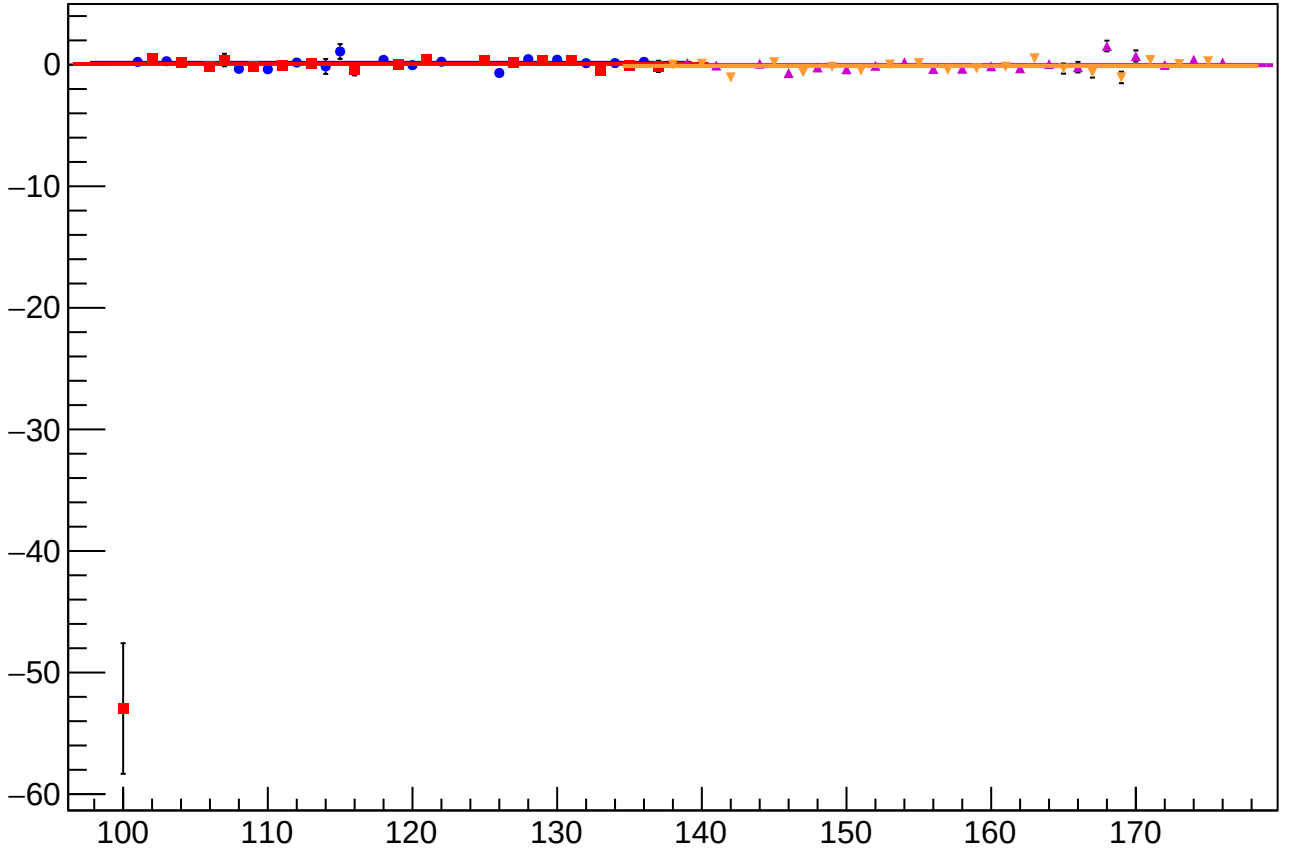
Left In: 0.279+/-0.049 χ^2/NDF:20.0/18

+ sign 0.153+/-0.040 χ^2/NDF: 39.4/34

All: 0.218+/-0.029 χ^2/NDF: 75.7/71

- sign 0.284+/-0.041 χ^2/NDF: 31.0/36

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.108+/-0.067 χ^2/NDF:32.0/18

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

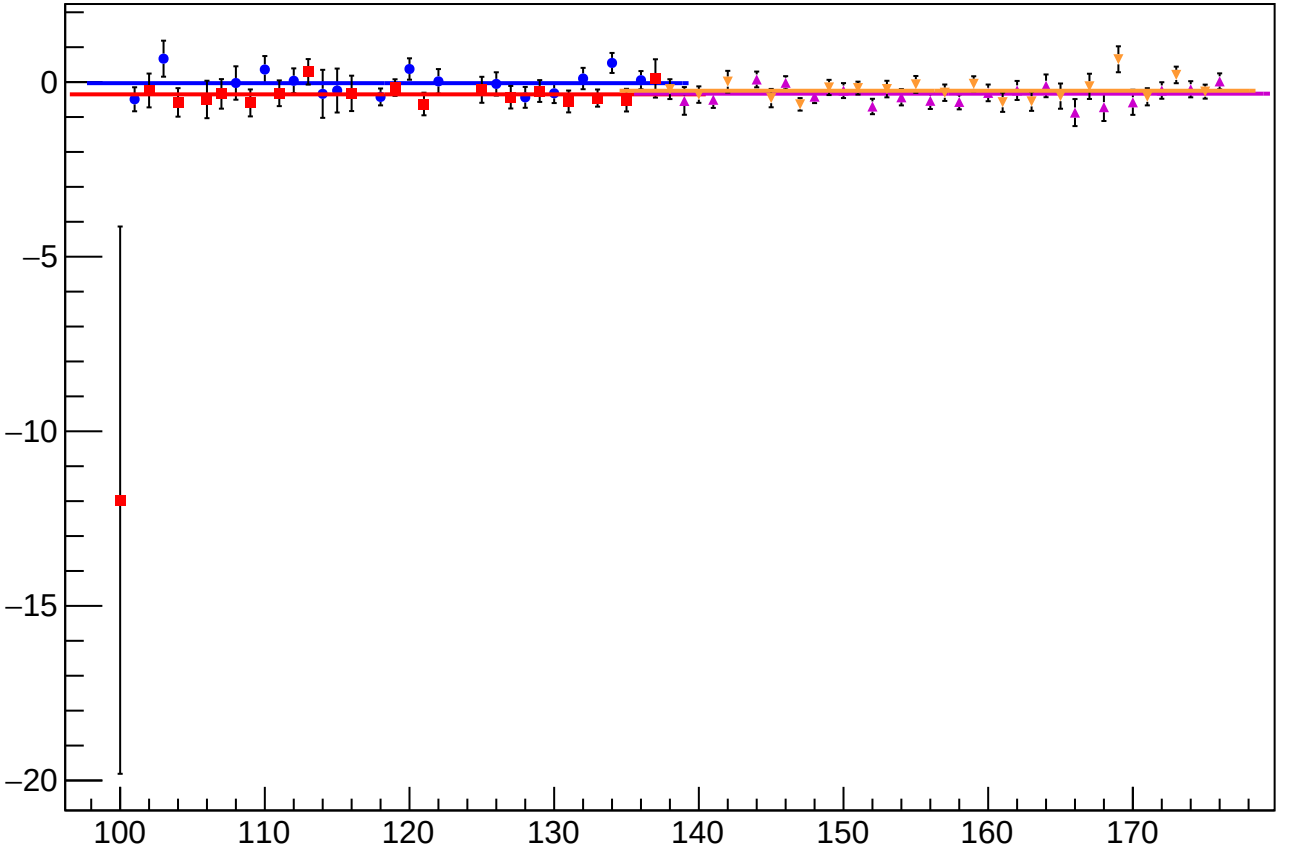
Left In: -0.036+/-0.066 χ^2/NDF:32.9/18

+ sign -0.000+/-0.051 χ^2/NDF: 53.9/34

All: 0.002+/-0.036 χ^2/NDF: 197.1/71

- sign 0.005+/-0.051 χ^2/NDF: 143.1/36

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.247+/-0.056 χ^2/NDF:21.2/18

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

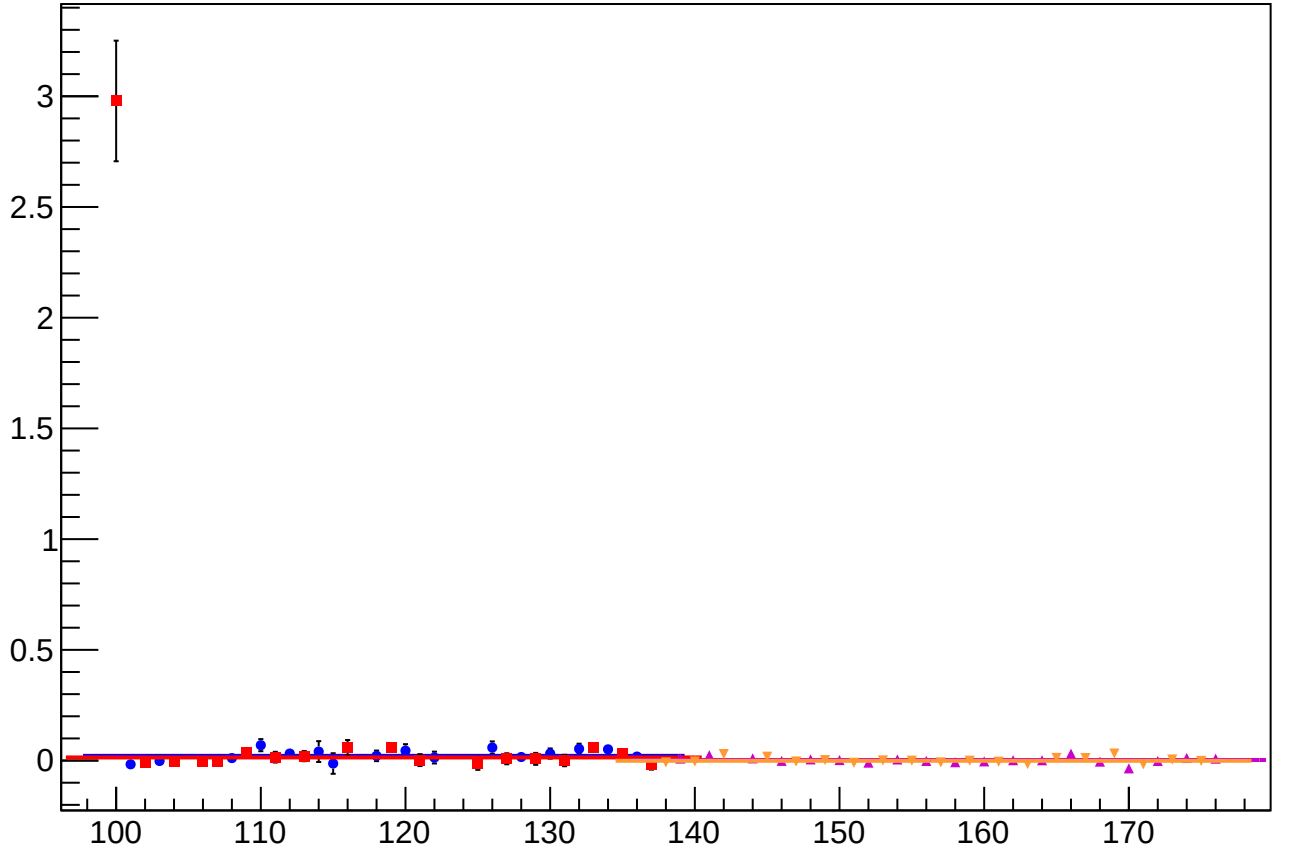
Left In: -0.331+/-0.056 χ^2/NDF:18.9/18

+ sign -0.180+/-0.047 χ^2/NDF: 42.6/34

All: -0.258+/-0.033 χ^2/NDF: 76.6/71

- sign -0.337+/-0.047 χ^2/NDF: 28.4/36

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:17.9/18

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

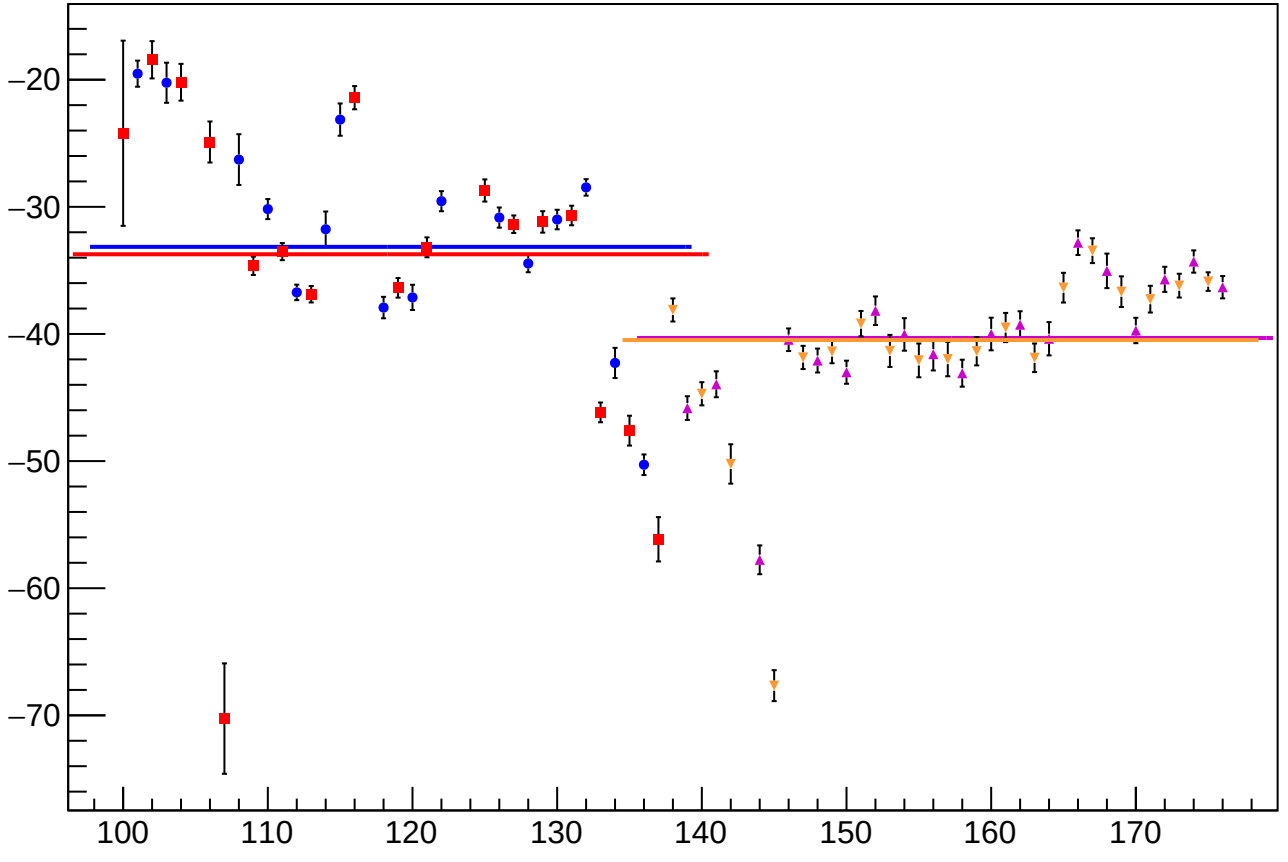
Left In: 0.003+/-0.002 χ^2/NDF:18.4/18

+ sign 0.004+/-0.002 χ^2/NDF: 57.2/34

All: 0.004+/-0.002 χ^2/NDF: 220.9/71

- sign 0.005+/-0.002 χ^2/NDF: 163.6/36

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -40.478+/-0.240 χ^2/NDF:721.4/18

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

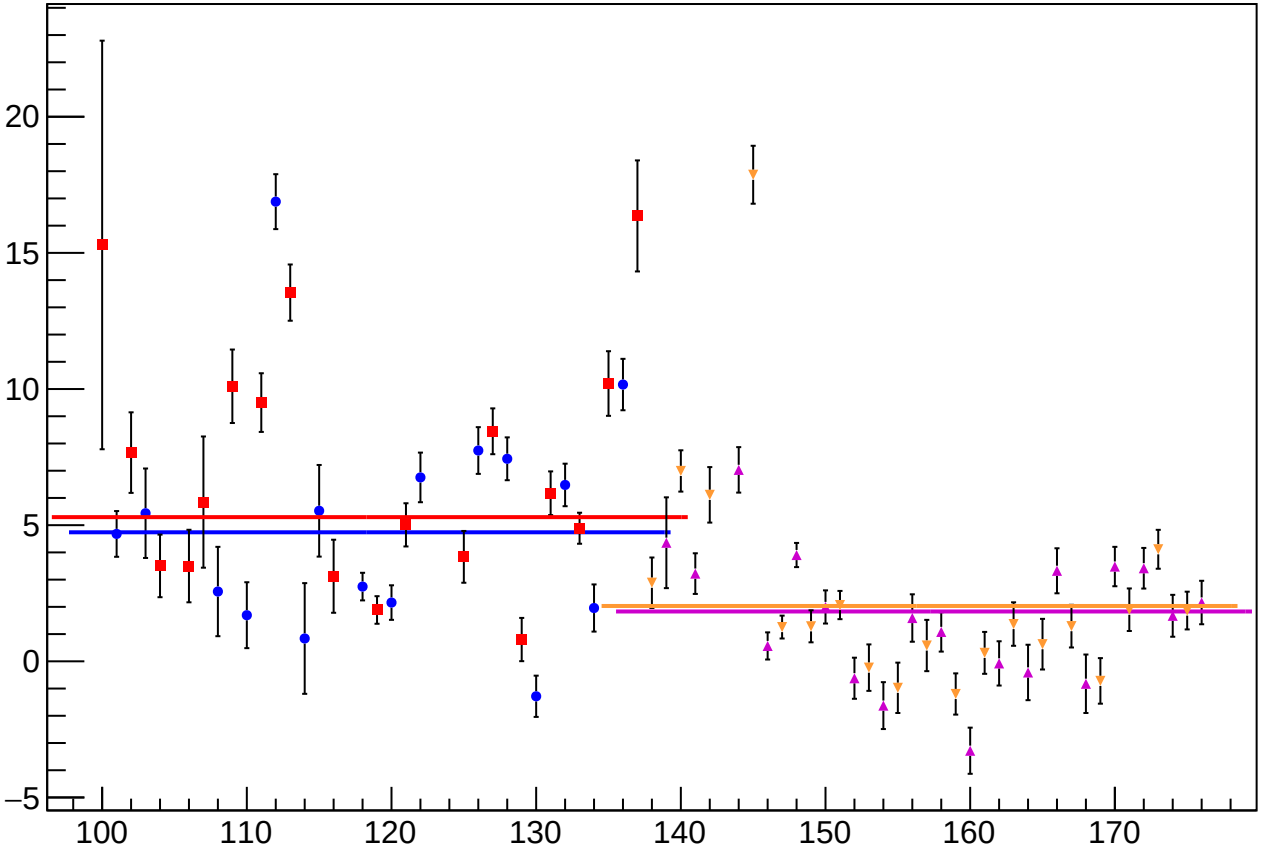
Left In: -40.316+/-0.238 χ^2/NDF:474.2/18

+ sign -36.461+/-0.161 χ^2/NDF: 2246.4/34

All: -36.579+/-0.113 χ^2/NDF: 4292.8/71

- sign -36.693+/-0.159 χ^2/NDF: 2045.3/36

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.033+/-0.168 χ^2/NDF:352.7/18

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

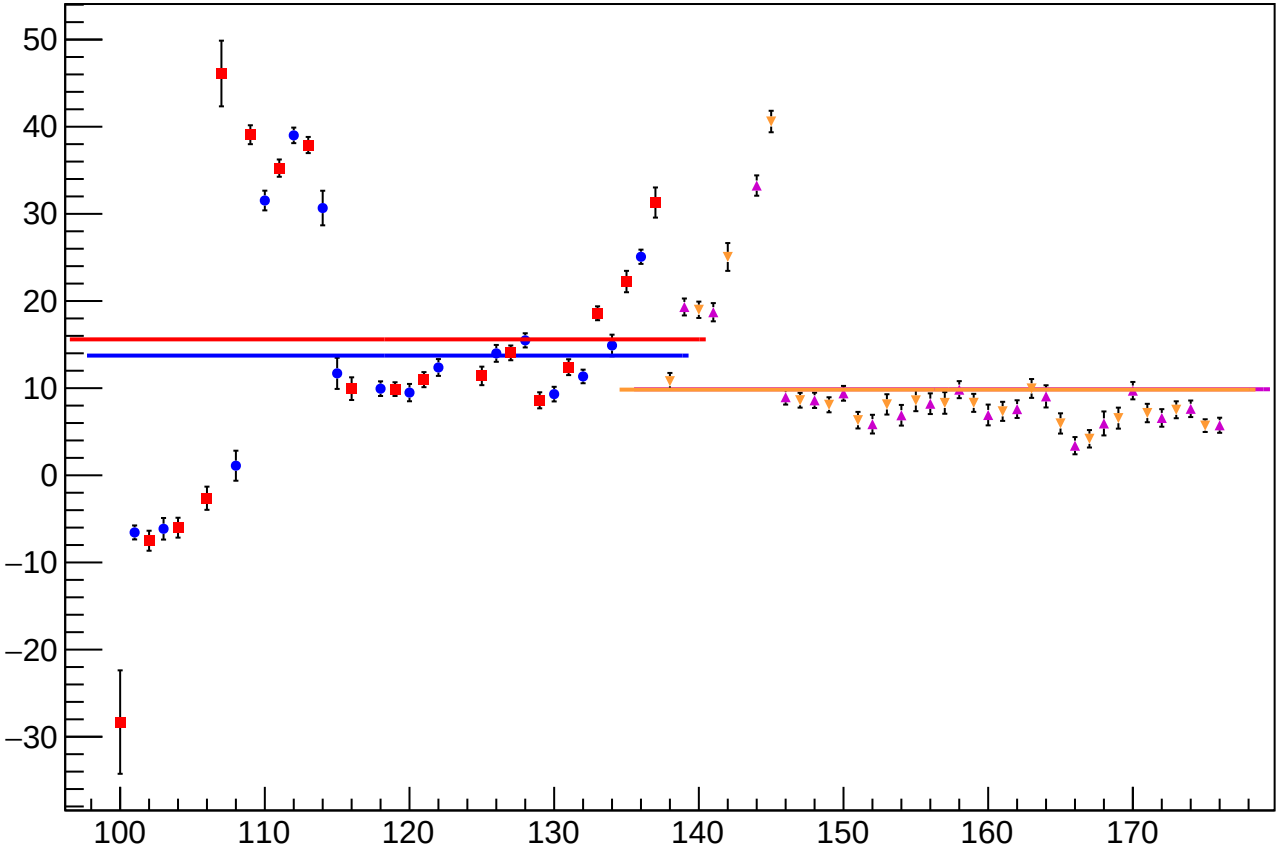
Left In: 1.830+/-0.169 χ^2/NDF:166.8/18

+ sign 3.031+/-0.133 χ^2/NDF: 778.4/34

All: 3.062+/-0.095 χ^2/NDF: 1343.2/71

- sign 3.095+/-0.135 χ^2/NDF: 564.7/36

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 9.833+/-0.235 χ^2/NDF:936.9/18

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

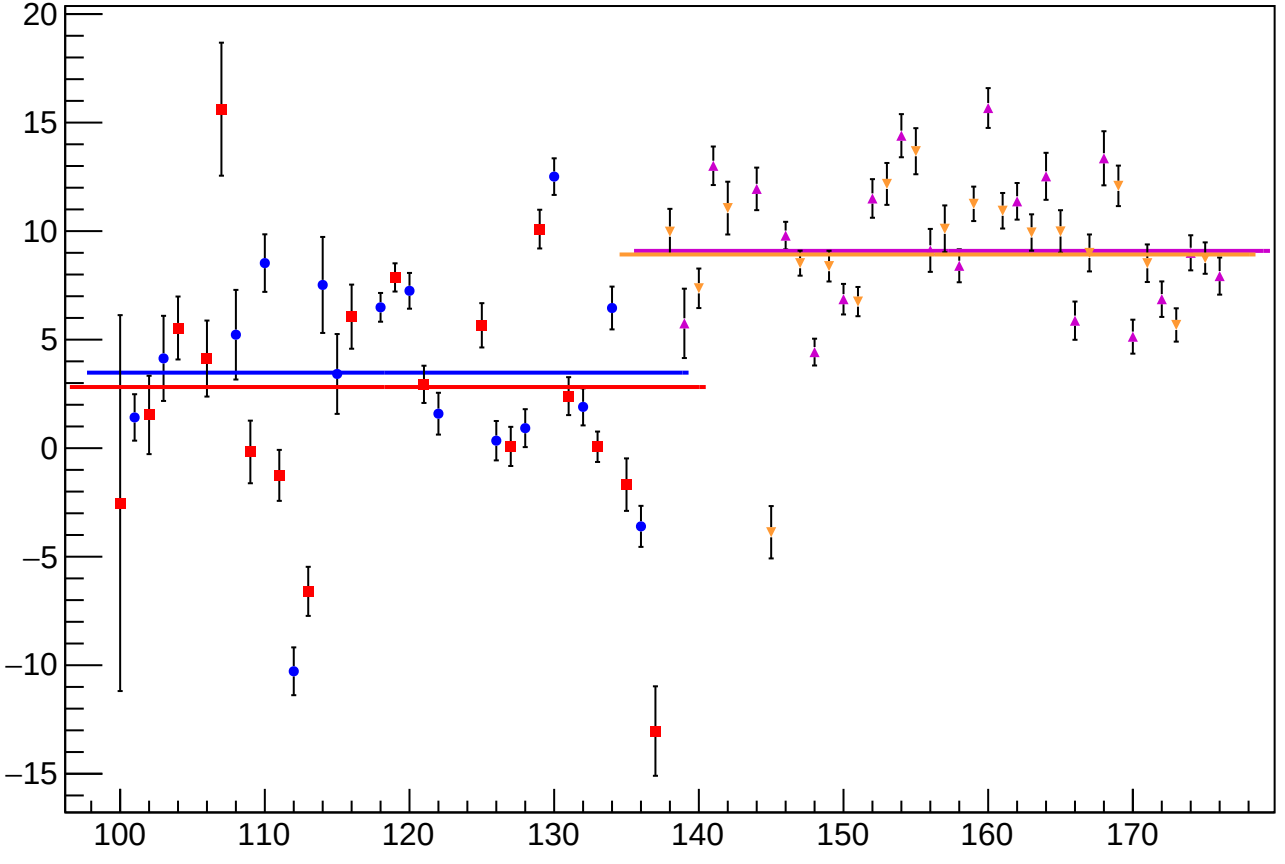
Left In: 9.875+/-0.233 χ^2/NDF:694.3/18

\+ sign 11.693+/-0.170 χ^2/NDF: 3417.9/34

All: 12.115+/-0.121 χ^2/NDF: 7231.0/71

\- sign 12.539+/-0.171 χ^2/NDF: 3800.8/36

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.924+/-0.194 χ^2/NDF:210.6/18

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

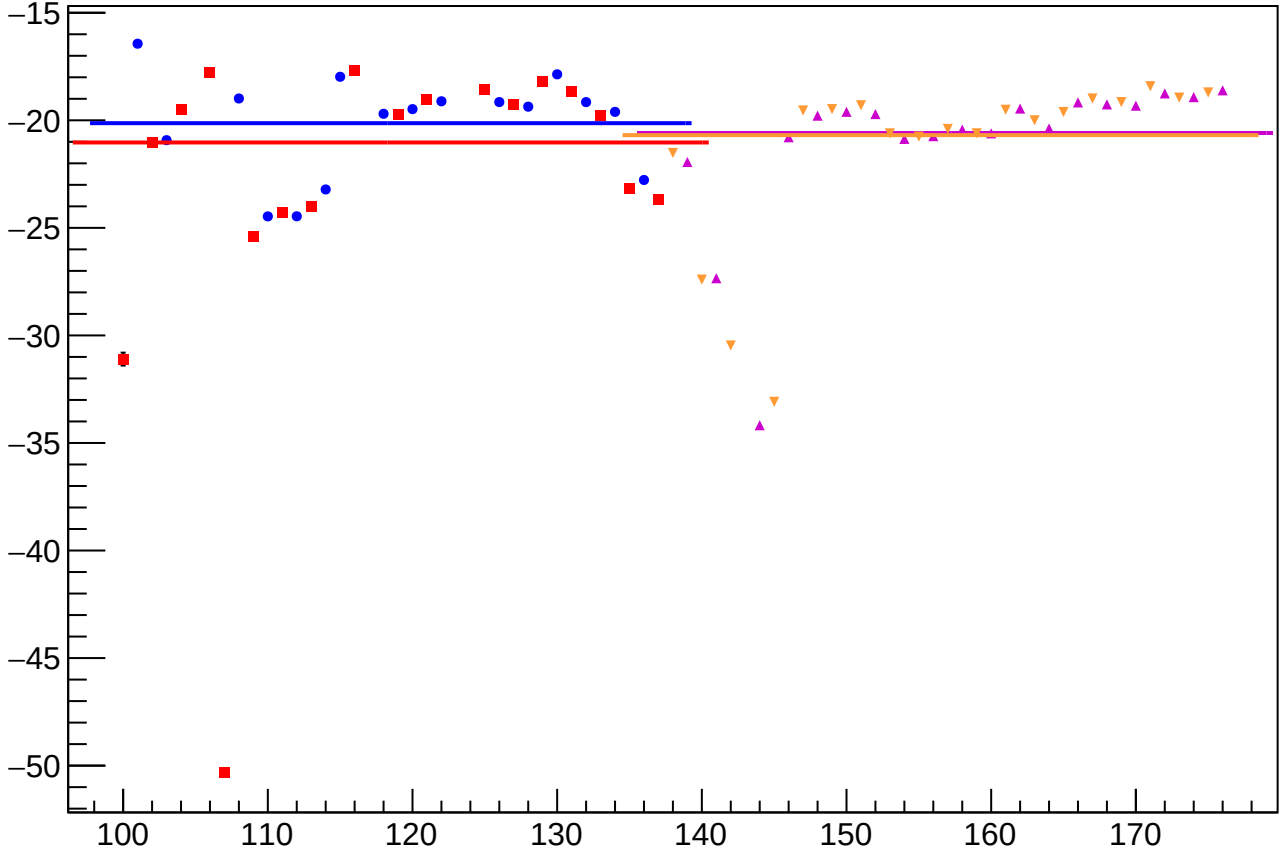
Left In: 9.089+/-0.195 χ^2/NDF:266.0/18

\+ sign 6.913+/-0.154 χ^2/NDF: 928.8/34

All: 6.856+/-0.109 χ^2/NDF: 1917.6/71

\- sign 6.798+/-0.155 χ^2/NDF: 988.6/36

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.690+/-0.009 χ^2/NDF:132620.6/18

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

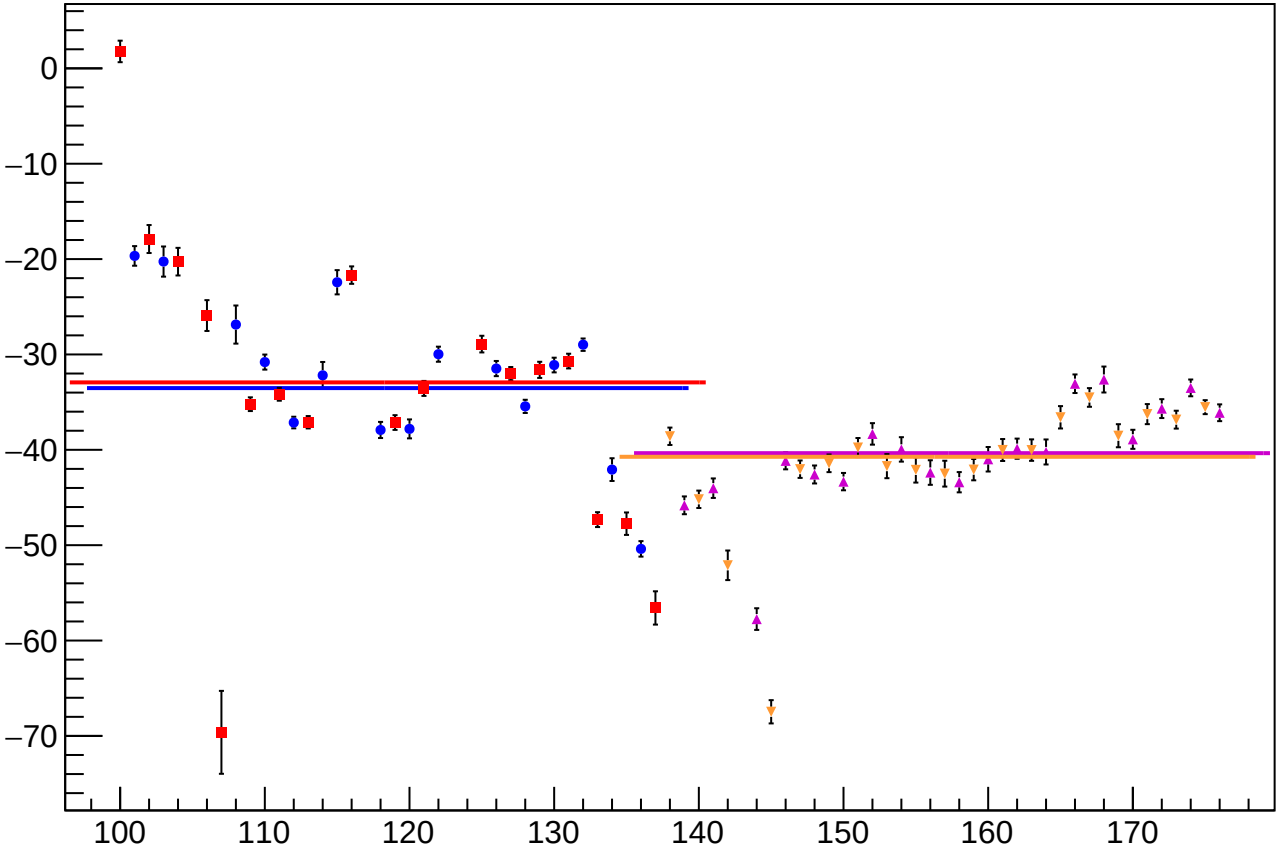
Left In: -20.590+/-0.009 χ^2/NDF:108124.3/18

+ sign -20.556+/-0.008 χ^2/NDF: 153370.9/34

All: -20.622+/-0.005 χ^2/NDF: 319719.1/71

- sign -20.687+/-0.008 χ^2/NDF: 166207.9/36

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -40.731+/-0.240 χ^2/NDF:714.6/18

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

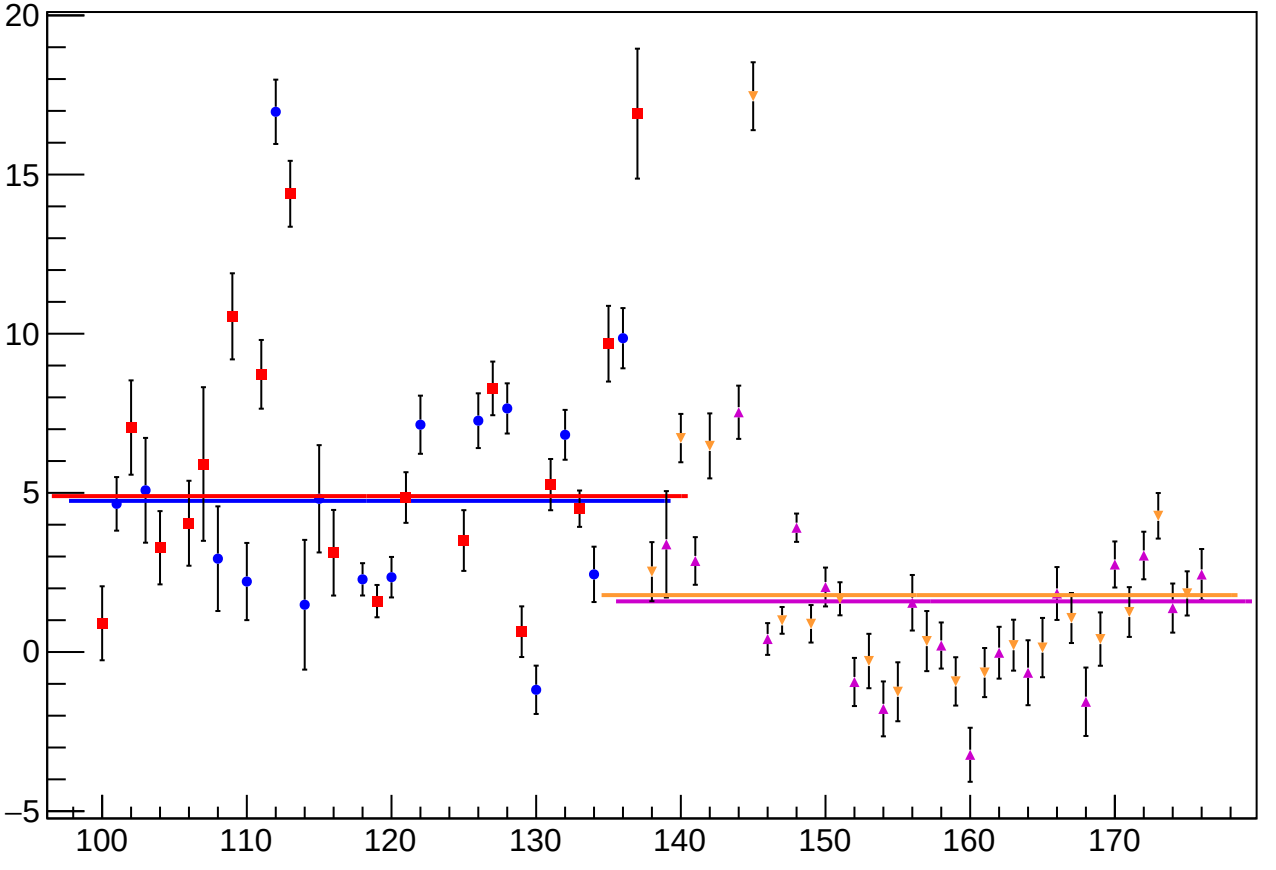
Left In: -40.351+/-0.238 χ^2/NDF:510.0/18

+ sign -36.785+/-0.162 χ^2/NDF: 2215.0/34

All: -36.489+/-0.113 χ^2/NDF: 5444.3/71

- sign -36.206+/-0.158 χ^2/NDF: 3222.8/36

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.788+/-0.168 χ^2/NDF:350.6/18

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

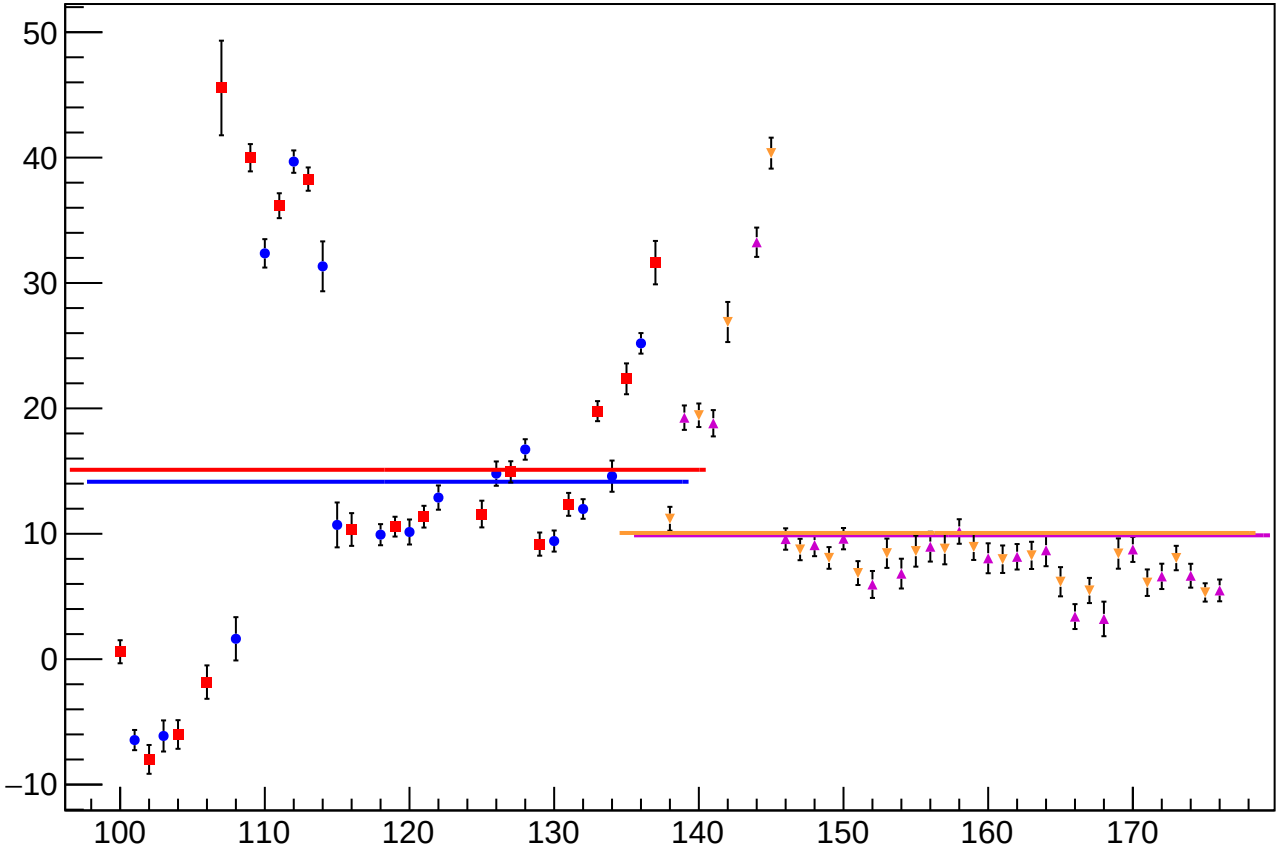
Left In: 1.591+/-0.170 χ^2/NDF:175.1/18

\+ sign 2.879+/-0.133 χ^2/NDF: 790.9/34

All: 2.852+/-0.095 χ^2/NDF: 1380.9/71

\- sign 2.825+/-0.134 χ^2/NDF: 589.9/36

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 10.065+/-0.236 χ^2/NDF:938.9/18

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

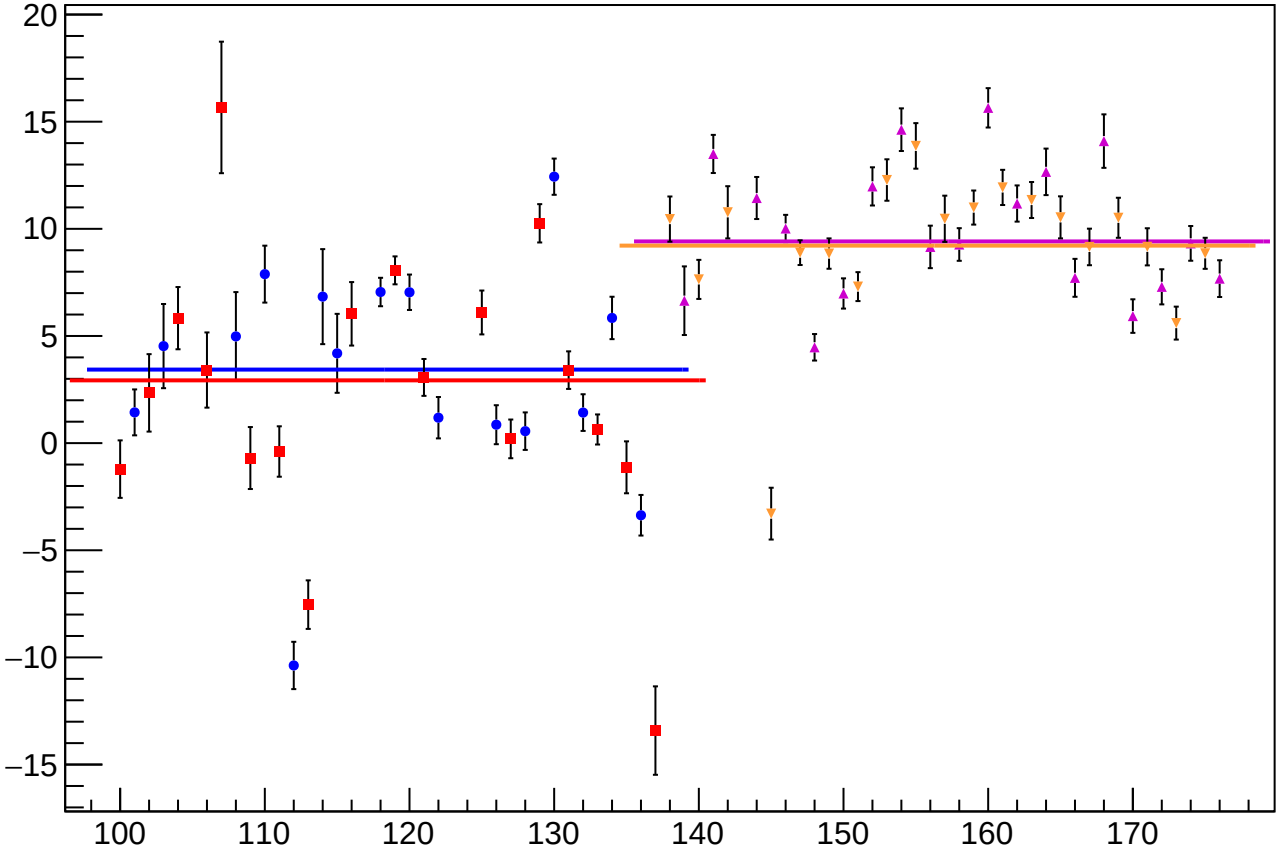
Left In: 9.877+/-0.234 χ^2/NDF:707.7/18

+ sign 12.010+/-0.171 χ^2/NDF: 3484.2/34

All: 12.208+/-0.120 χ^2/NDF: 7538.1/71

- sign 12.400+/-0.168 χ^2/NDF: 4051.3/36

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.216+/-0.194 χ^2/NDF:200.6/18

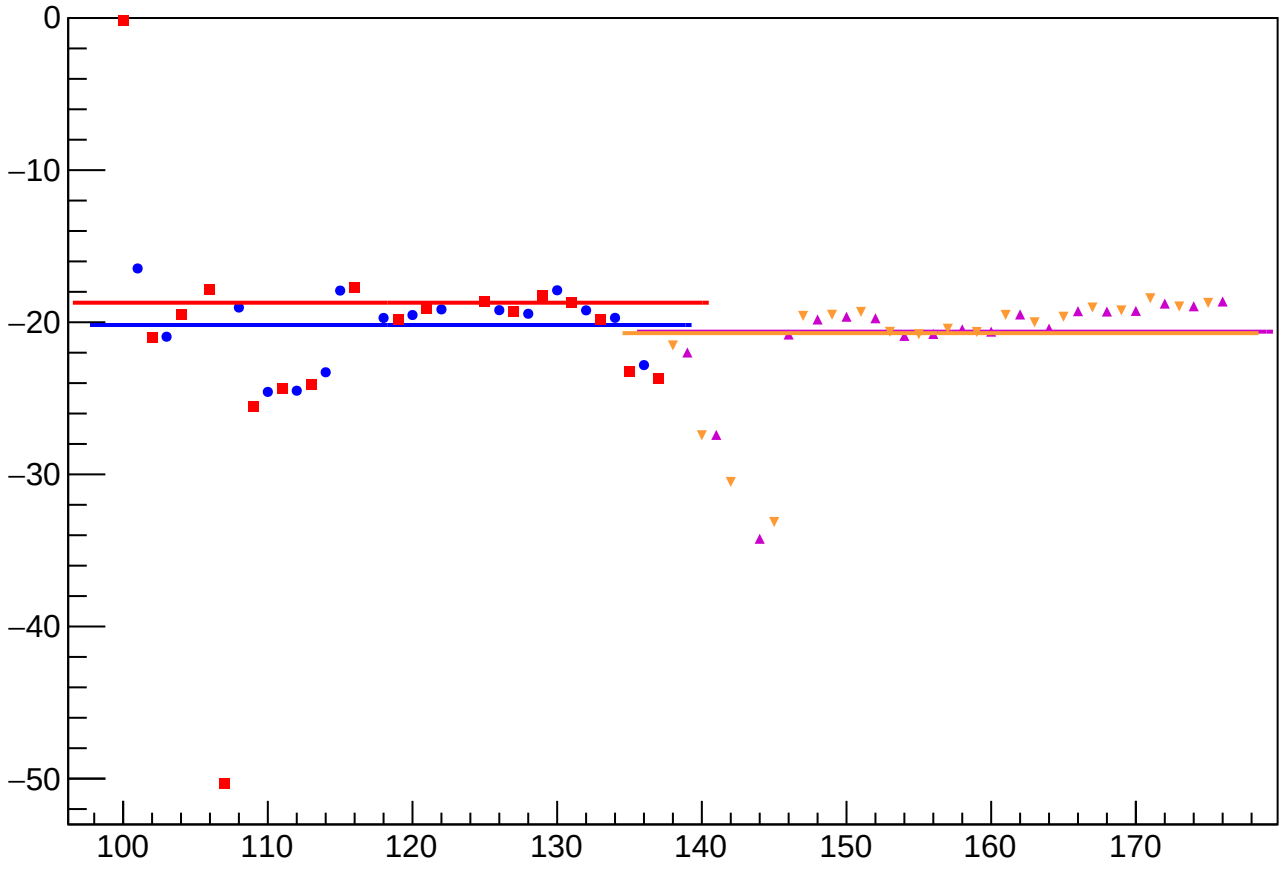
Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.412+/-0.196 χ^2/NDF:248.4/18

+ sign 7.081+/-0.154 χ^2/NDF: 951.2/34

All: 7.036+/-0.109 χ^2/NDF: 1978.0/71

- sign 6.991+/-0.155 χ^2/NDF: 1026.6/36



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.715+/-0.009 χ^2/NDF:132336.1/18

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

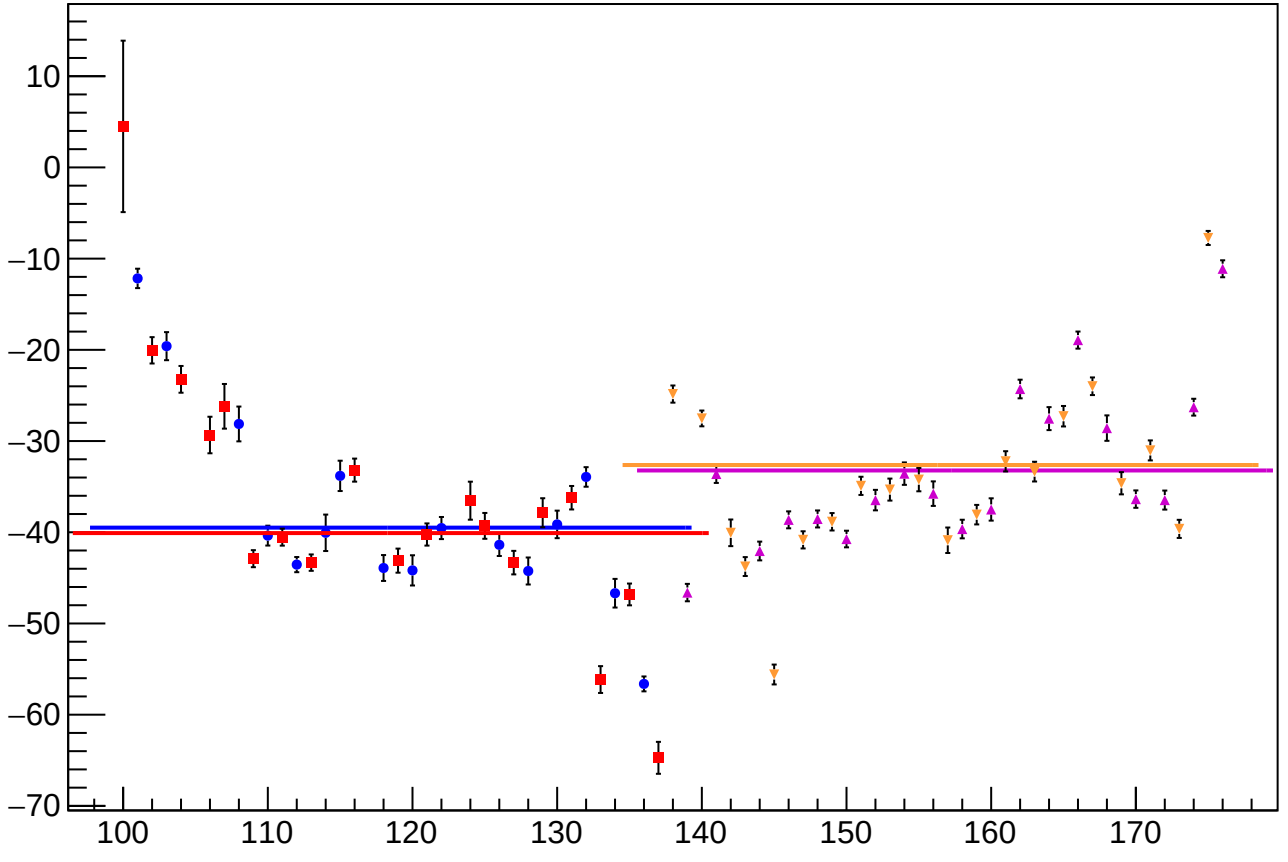
Left In: -20.618+/-0.009 χ^2/NDF:108402.8/18

+ sign -20.588+/-0.008 χ^2/NDF: 153038.6/34

All: -20.368+/-0.005 χ^2/NDF: 508994.9/71

- sign -20.160+/-0.008 χ^2/NDF: 354431.9/36

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -32.628+/-0.233 χ^2/NDF:2076.5/19

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

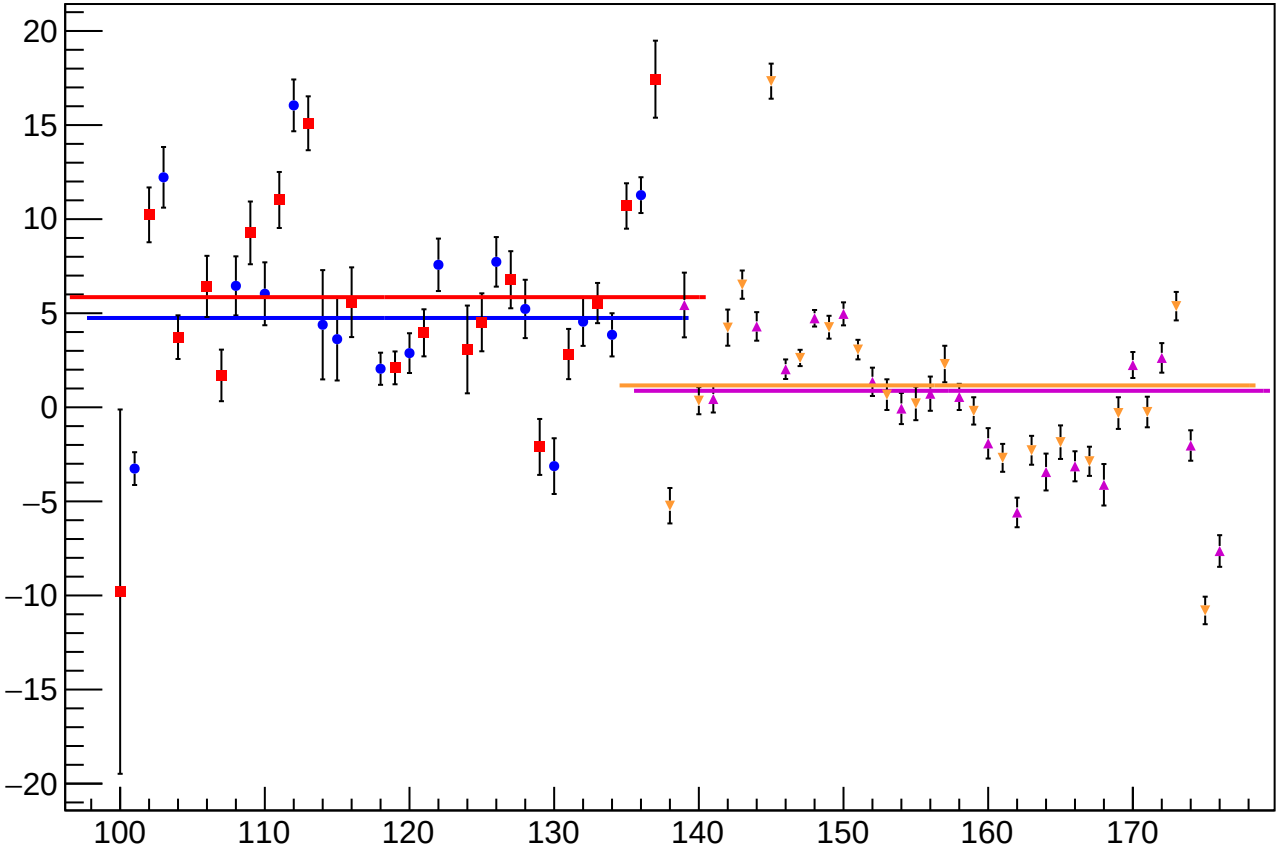
Left In: -33.226+/-0.237 χ^2/NDF:1451.5/18

+ sign -35.105+/-0.187 χ^2/NDF: 3805.6/35

All: -35.444+/-0.132 χ^2/NDF: 6411.9/73

- sign -35.787+/-0.188 χ^2/NDF: 2599.6/37

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.163+/-0.163 χ^2/NDF:856.0/19

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

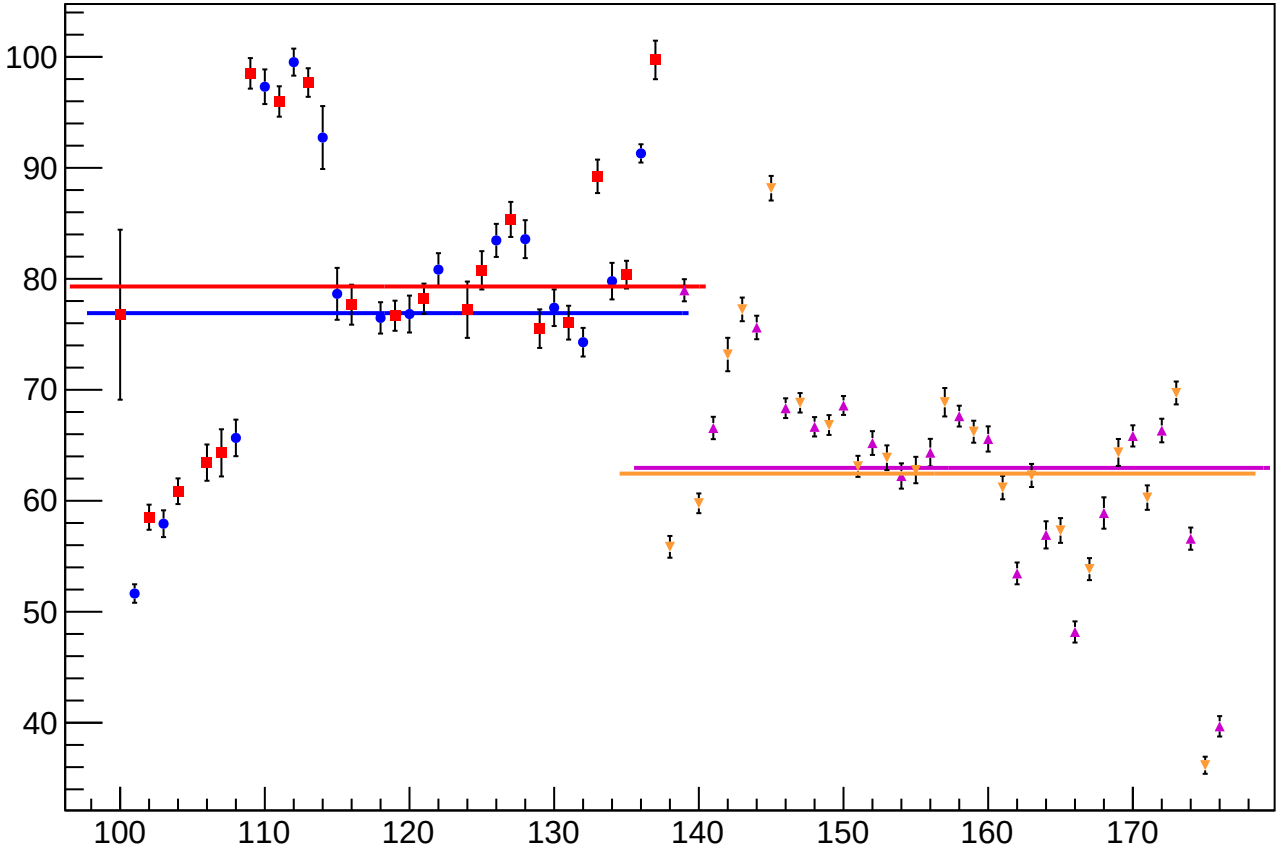
Left In: 0.877+/-0.168 χ^2/NDF:425.1/18

+ sign 1.919+/-0.145 χ^2/NDF: 1231.4/35

All: 1.927+/-0.104 χ^2/NDF: 2030.1/73

- sign 1.935+/-0.149 χ^2/NDF: 798.7/37

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 62.450+/-0.229 χ^2/NDF:2273.4/19

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

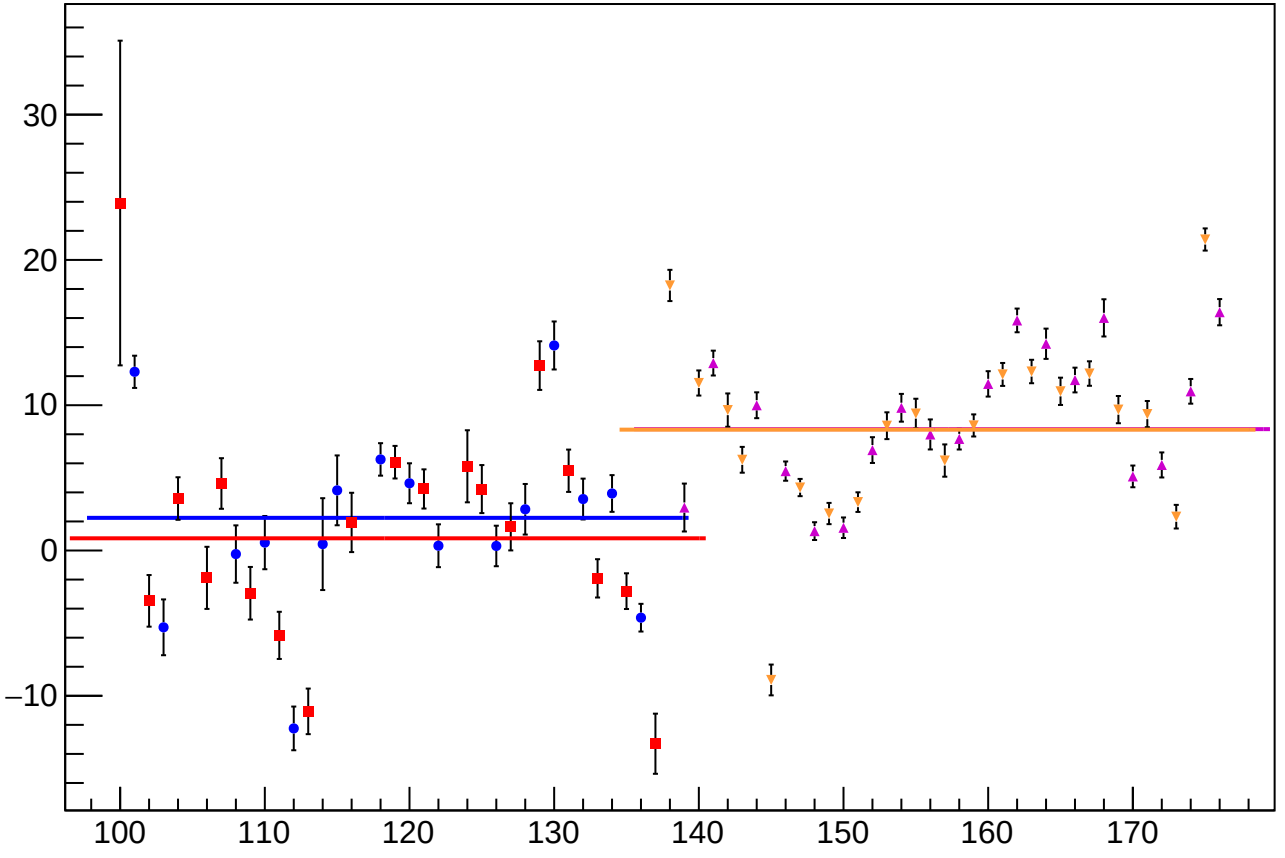
Left In: 62.965+/-0.232 χ^2/NDF:1616.9/18

+ sign 67.030+/-0.190 χ^2/NDF: 5648.2/35

All: 67.511+/-0.135 χ^2/NDF: 10301.2/73

- sign 68.011+/-0.193 χ^2/NDF: 4639.8/37

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 8.318+/-0.189 χ^2/NDF:965.5/19

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

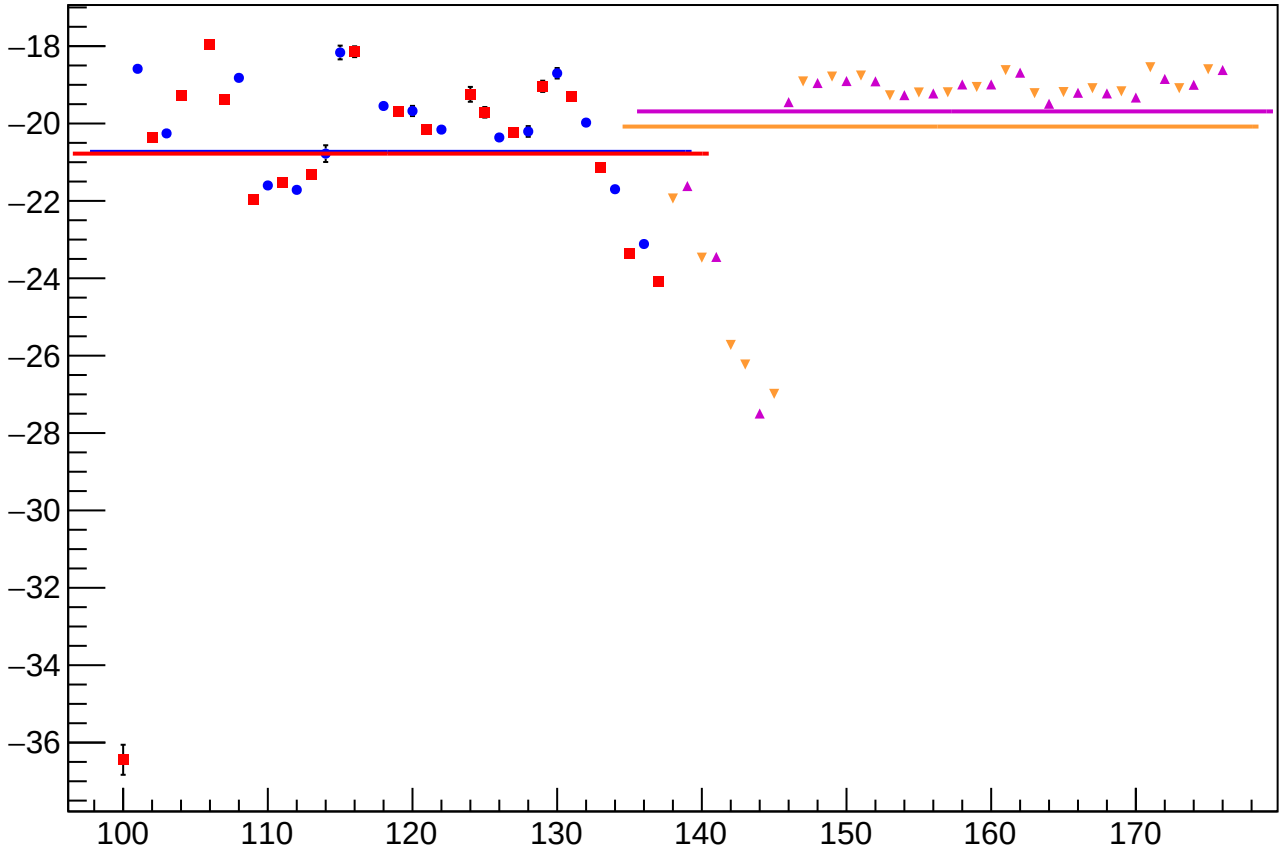
Left In: 8.354+/-0.194 χ^2/NDF:587.2/18

+ sign 7.023+/-0.168 χ^2/NDF: 1505.0/35

All: 6.889+/-0.120 χ^2/NDF: 2670.5/73

- sign 6.749+/-0.172 χ^2/NDF: 1164.1/37

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.079+/-0.009 χ^2/NDF:75513.7/19

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

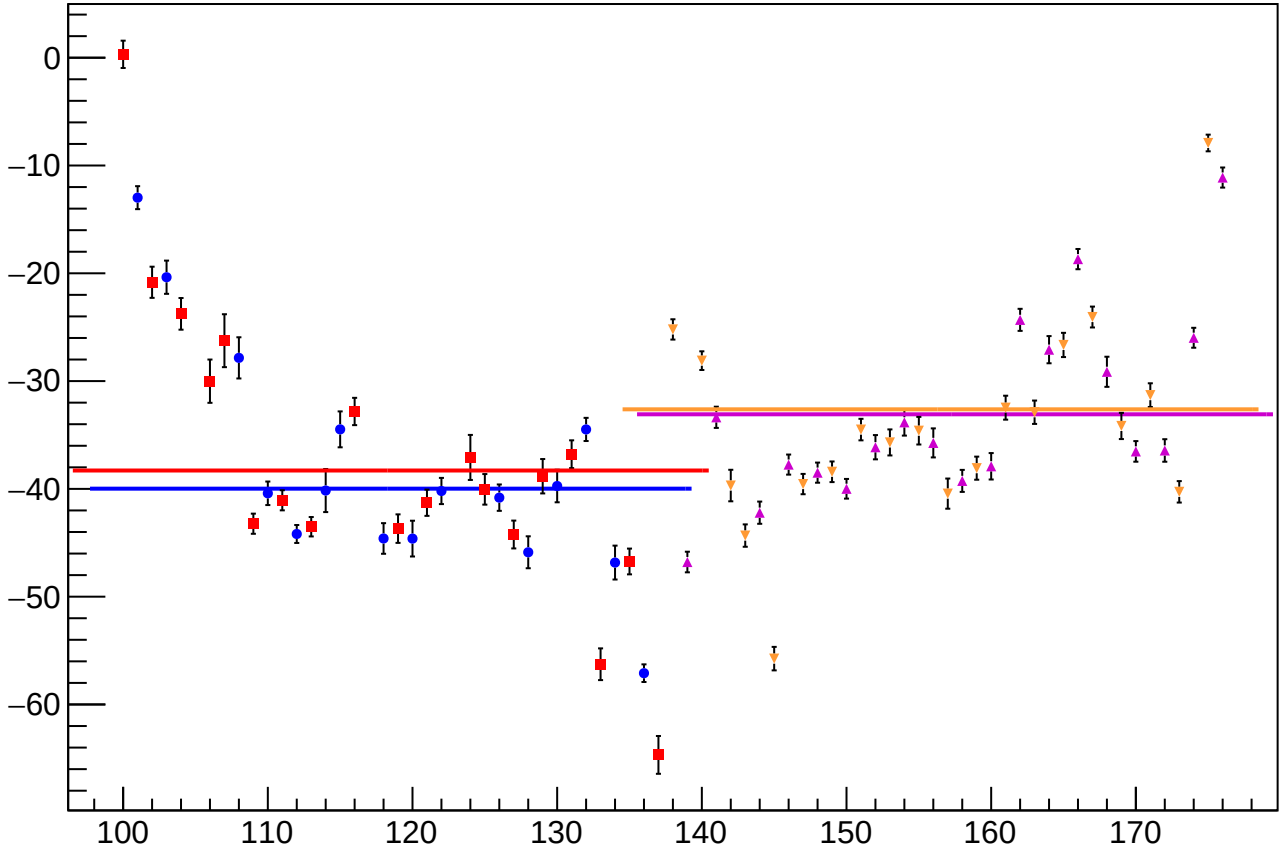
Left In: -19.687+/-0.009 χ^2/NDF:43597.9/18

+ sign -20.190+/-0.008 χ^2/NDF: 84088.1/35

All: -20.025+/-0.006 χ^2/NDF: 140429.1/73

- sign -19.859+/-0.008 χ^2/NDF: 55486.5/37

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -32.619+/-0.234 χ^2/NDF:2039.6/19

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

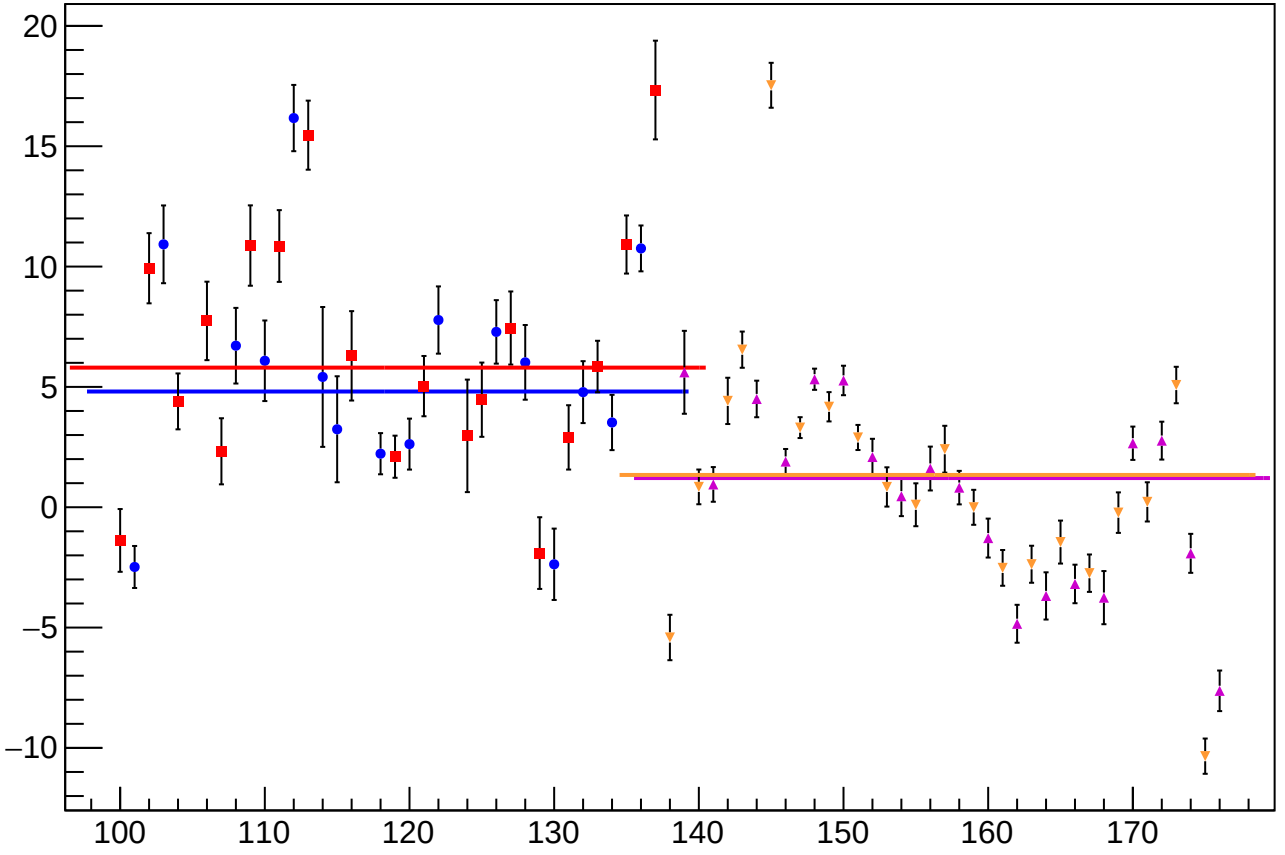
Left In: -33.081+/-0.237 χ^2/NDF:1439.5/18

+ sign -35.275+/-0.187 χ^2/NDF: 3795.8/35

All: -35.185+/-0.132 χ^2/NDF: 7196.0/73

- sign -35.096+/-0.186 χ^2/NDF: 3399.7/37

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 1.341+/-0.164 χ^2/NDF:840.5/19

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

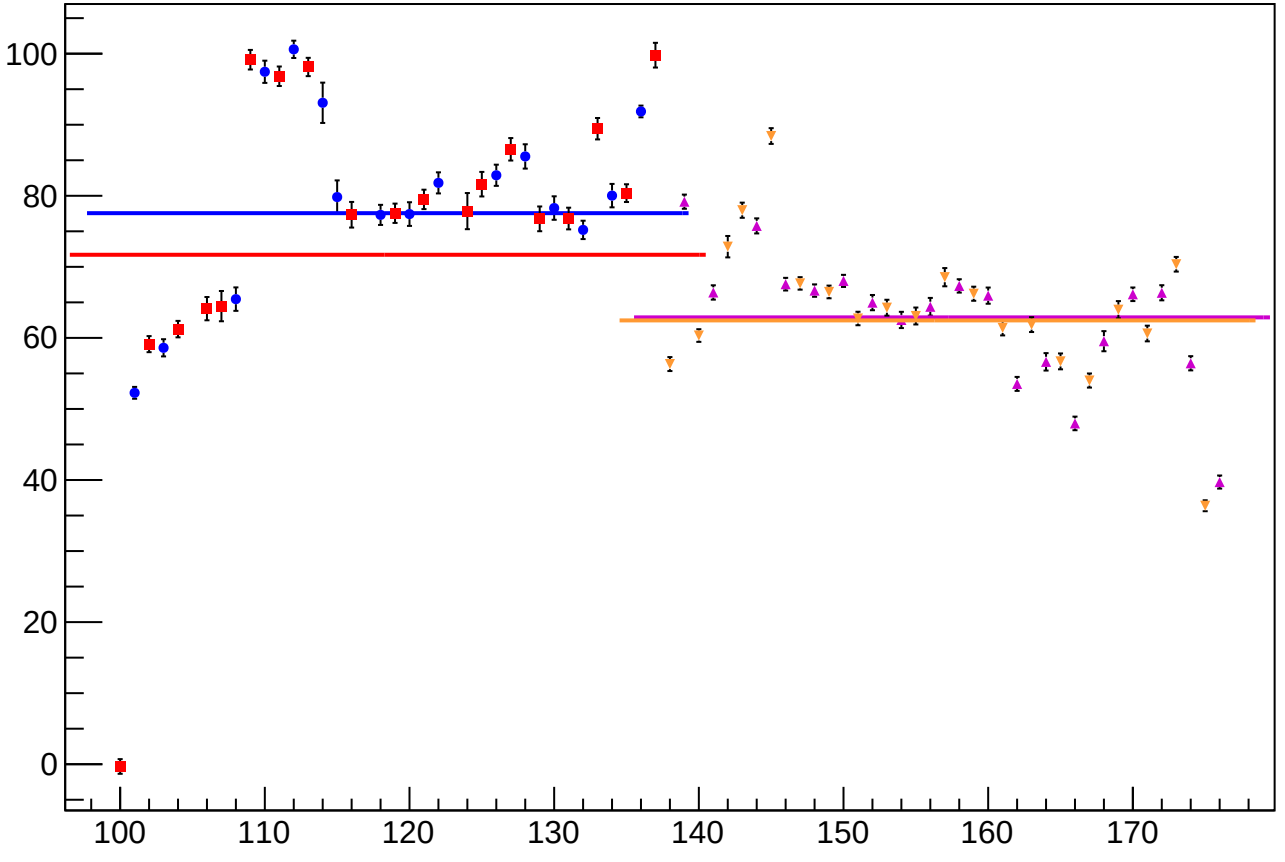
Left In: 1.213+/-0.169 χ^2/NDF:437.7/18

\+ sign 2.072+/-0.145 χ^2/NDF: 1175.8/35

All: 2.152+/-0.104 χ^2/NDF: 1995.4/73

\- sign 2.235+/-0.149 χ^2/NDF: 819.0/37

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 62.462+/-0.230 χ^2/NDF:2252.7/19

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

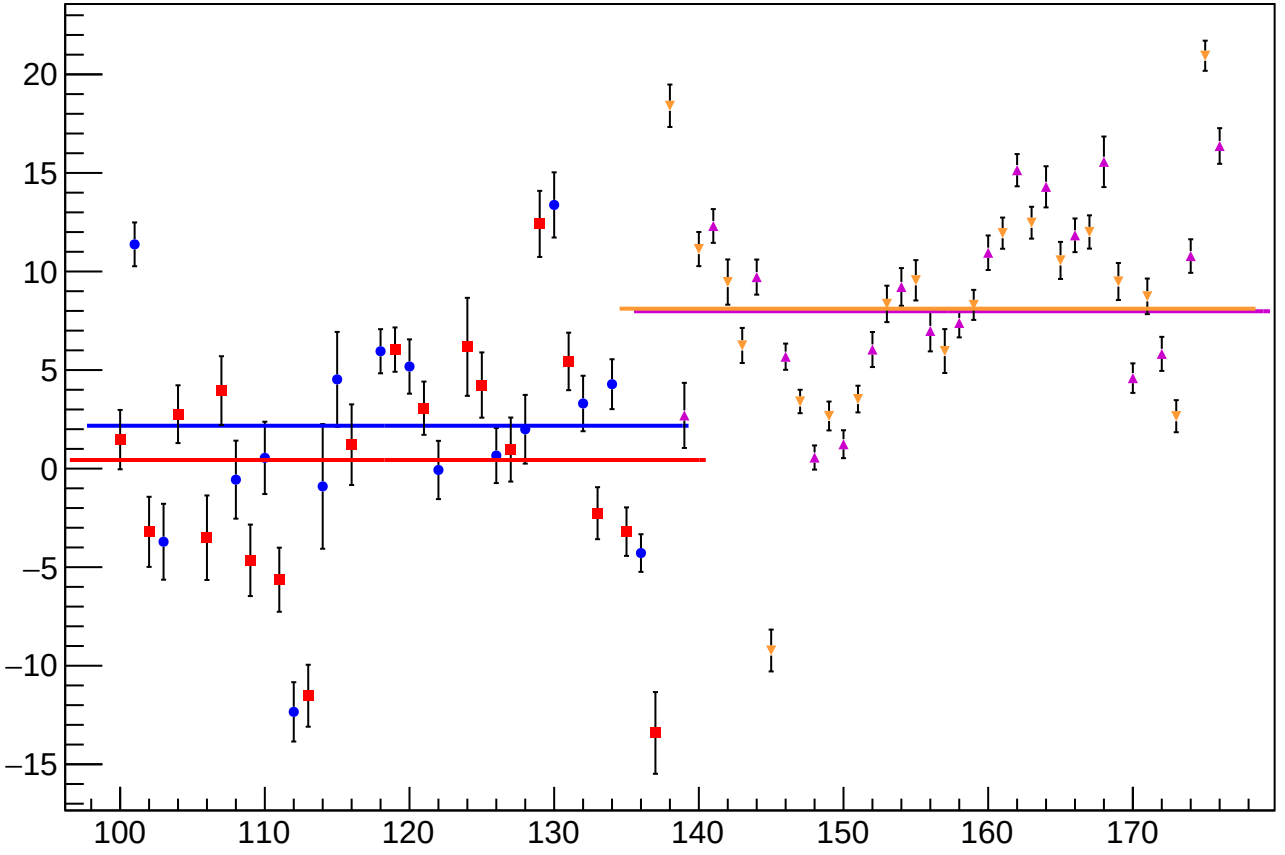
Left In: 62.887+/-0.233 χ^2/NDF:1605.8/18

+ sign 67.242+/-0.190 χ^2/NDF: 5738.3/35

All: 66.528+/-0.134 χ^2/NDF: 14751.0/73

- sign 65.811+/-0.190 χ^2/NDF: 8984.4/37

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 8.114+/-0.189 χ^2/NDF:956.2/19

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

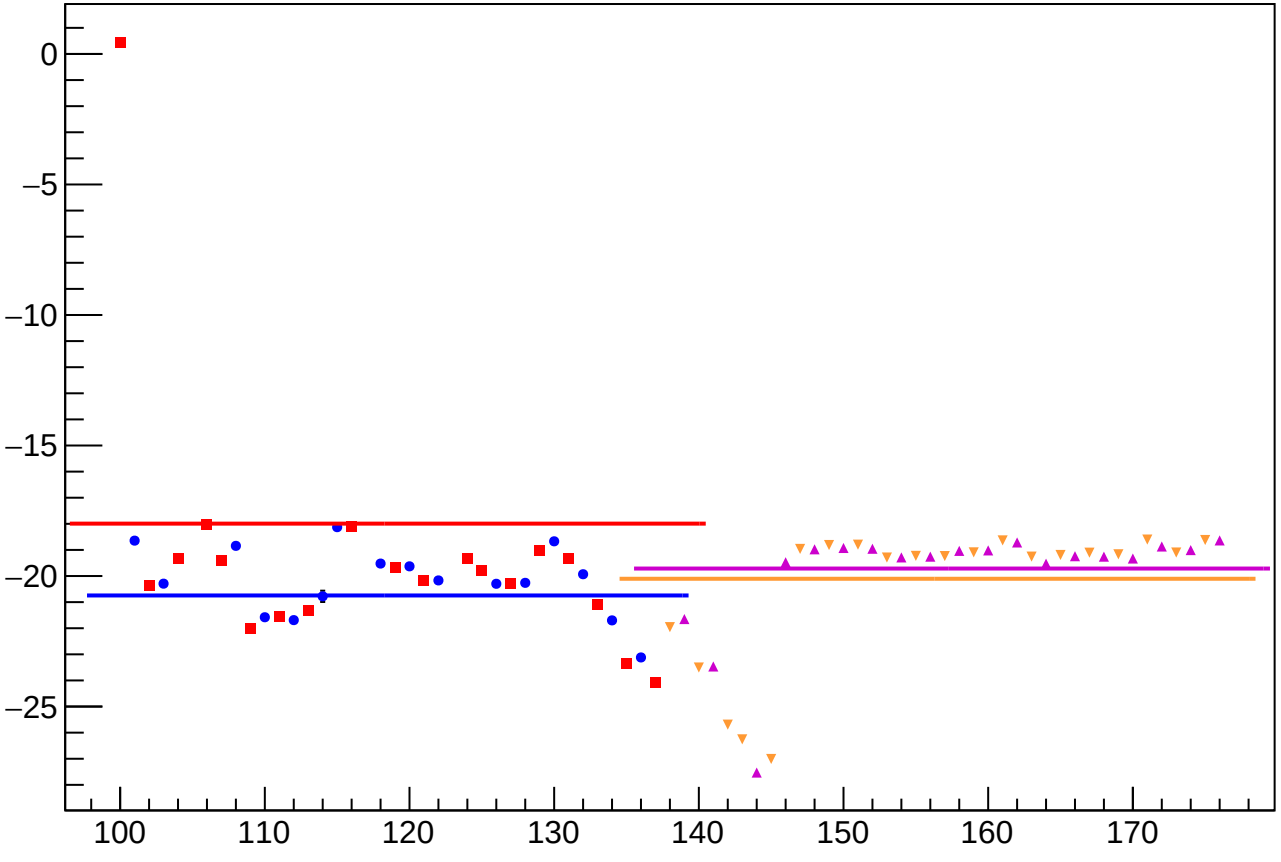
Left In: 7.983+/-0.194 χ^2/NDF:600.5/18

+ sign 6.847+/-0.168 χ^2/NDF: 1456.4/35

All: 6.577+/-0.120 χ^2/NDF: 2653.8/73

- sign 6.296+/-0.171 χ^2/NDF: 1192.1/37

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.105+/-0.009 χ^2/NDF:75065.6/19

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

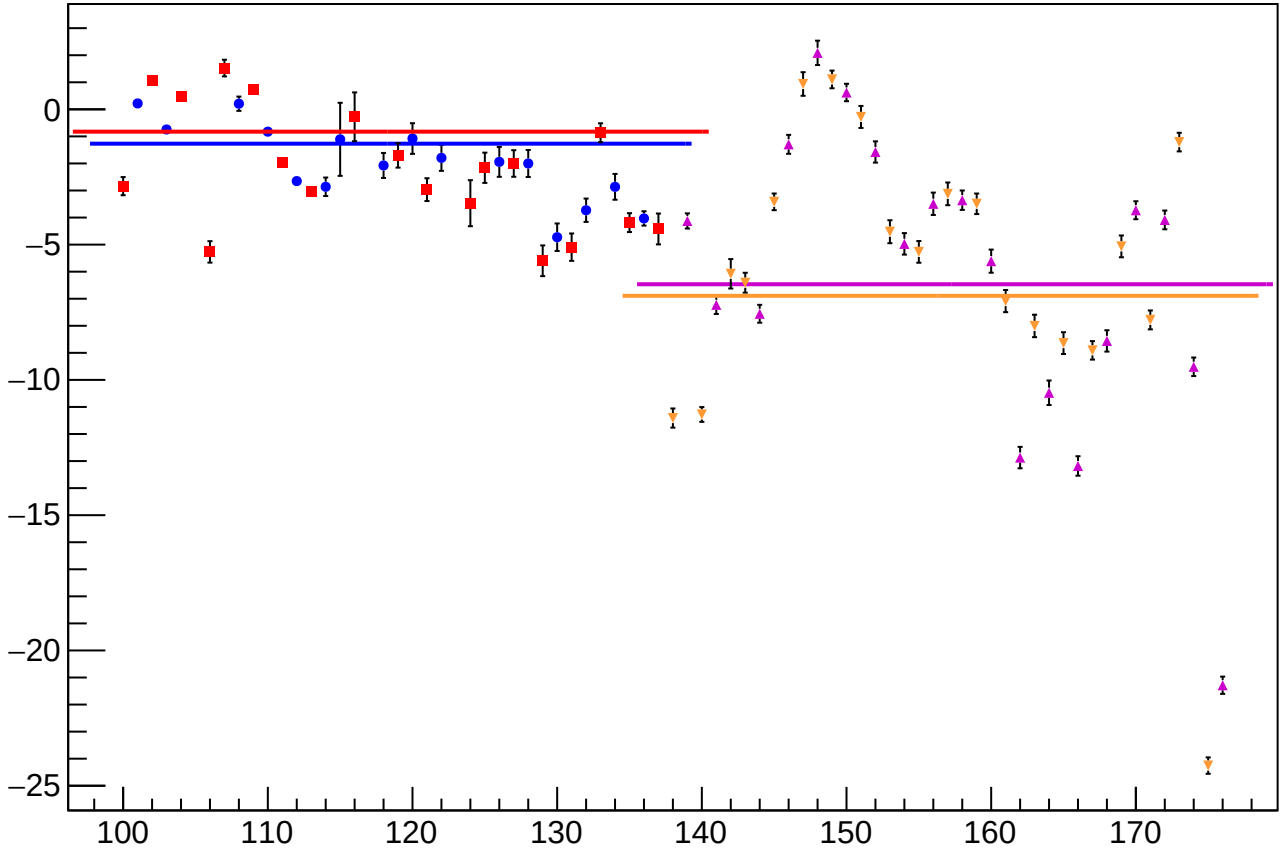
Left In: -19.713+/-0.009 χ^2/NDF:43479.9/18

+ sign -20.213+/-0.008 χ^2/NDF: 83476.8/35

All: -19.808+/-0.006 χ^2/NDF: 289458.5/73

- sign -19.410+/-0.008 χ^2/NDF: 200900.0/37

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -6.892+/-0.082 χ^2/NDF:5582.1/19

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

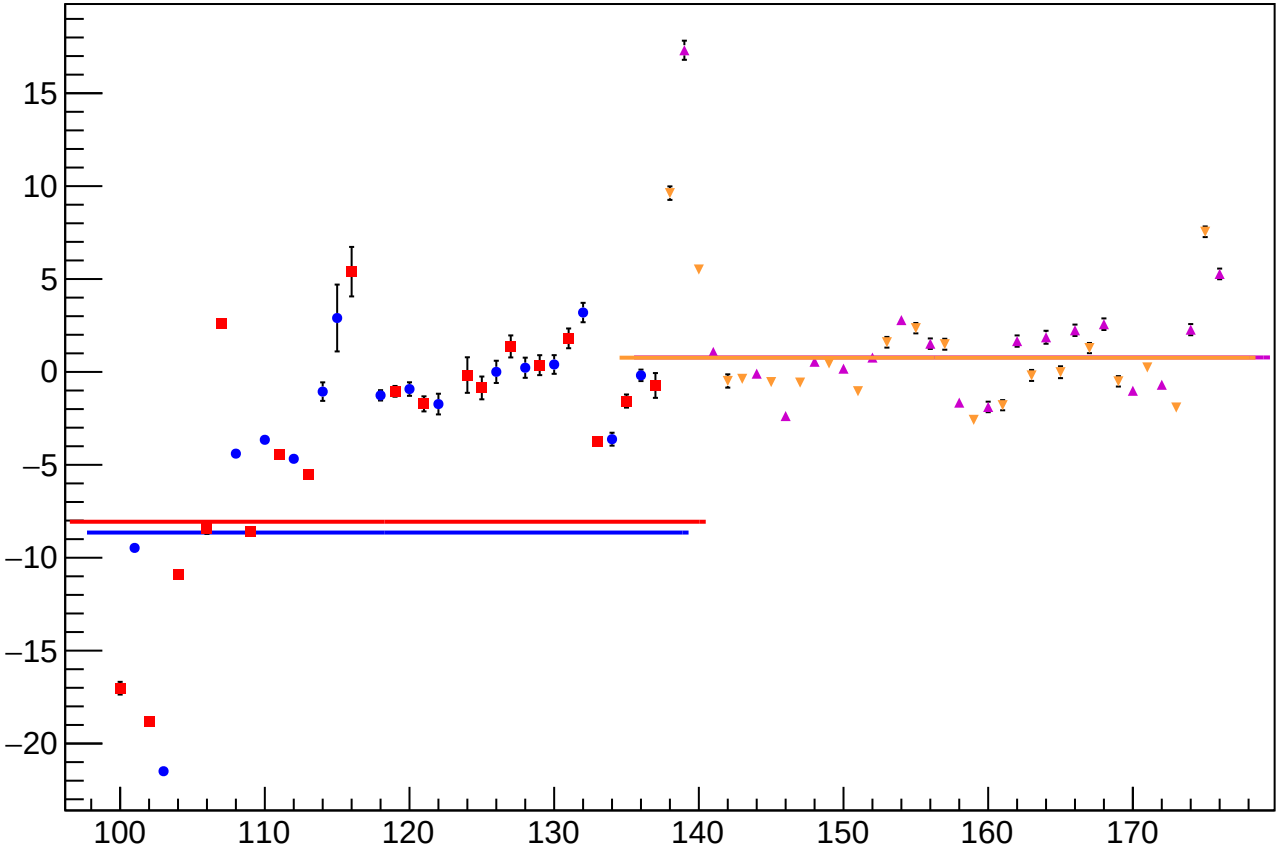
Left In: -6.465+/-0.083 χ^2/NDF:4519.2/18

+ sign -2.987+/-0.045 χ^2/NDF: 9445.3/35

All: -2.670+/-0.031 χ^2/NDF: 18811.2/73

- sign -2.381+/-0.043 χ^2/NDF: 9273.1/37

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.767+/-0.059 χ^2/NDF:2194.0/19

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

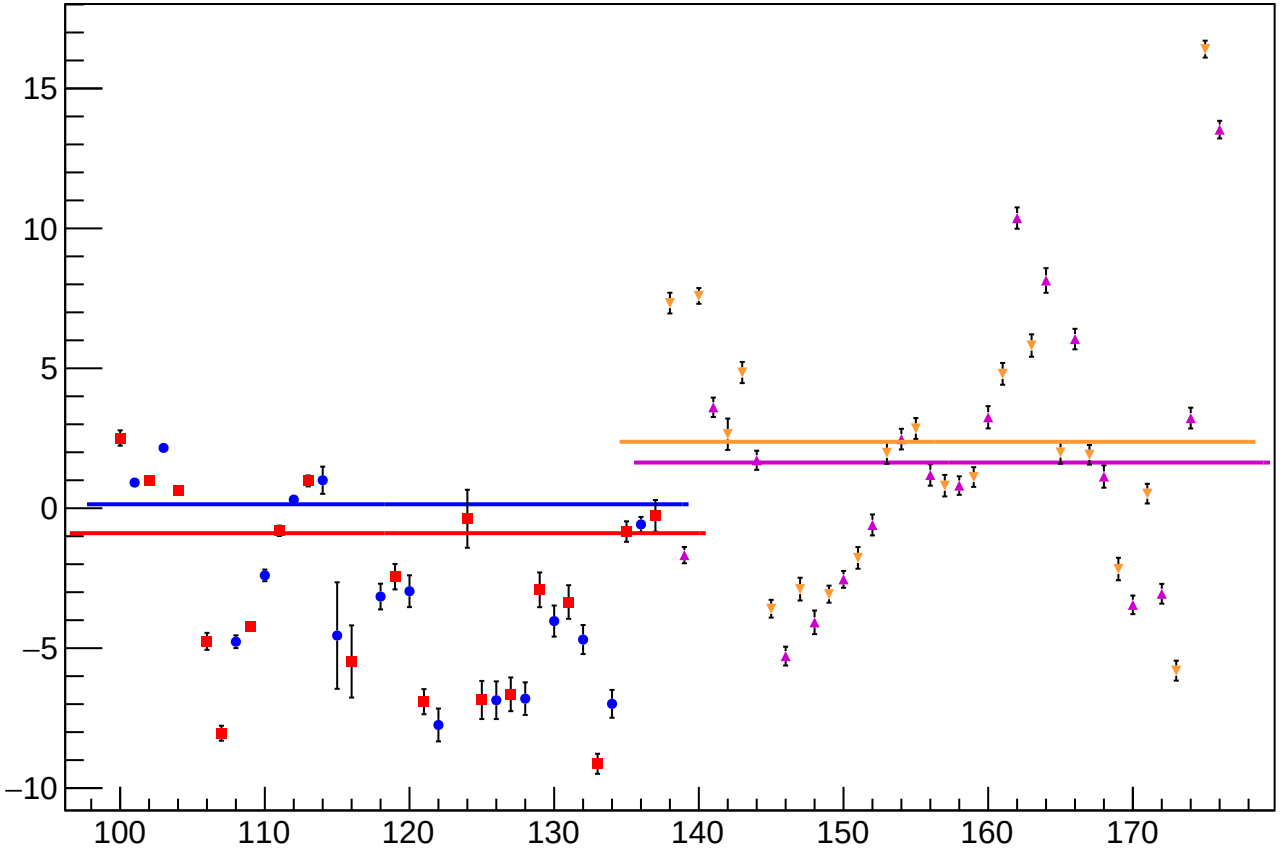
Left In: 0.780+/-0.061 χ^2/NDF:1954.1/18

+ sign -4.141+/-0.041 χ^2/NDF: 29097.0/35

All: -4.036+/-0.029 χ^2/NDF: 56555.6/73

- sign -3.926+/-0.042 χ^2/NDF: 27445.2/37

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 2.374+/-0.081 χ^2/NDF:4497.9/19

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

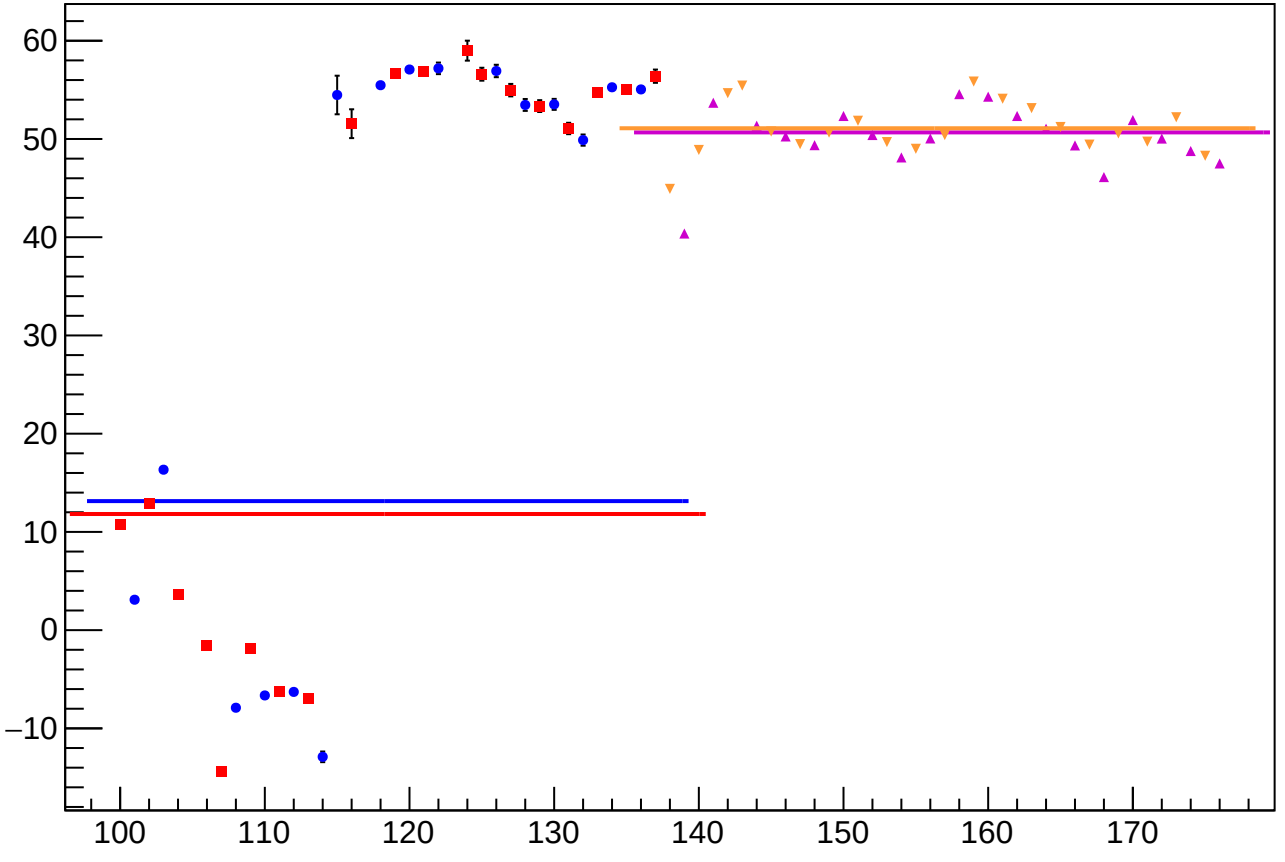
Left In: 1.633+/-0.081 χ^2/NDF:3770.2/18

+ sign 0.810+/-0.044 χ^2/NDF: 6990.1/35

All: 0.346+/-0.031 χ^2/NDF: 14638.1/73

- sign -0.127+/-0.045 χ^2/NDF: 7427.2/37

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.092+/-0.068 χ^2/NDF:1276.9/19

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

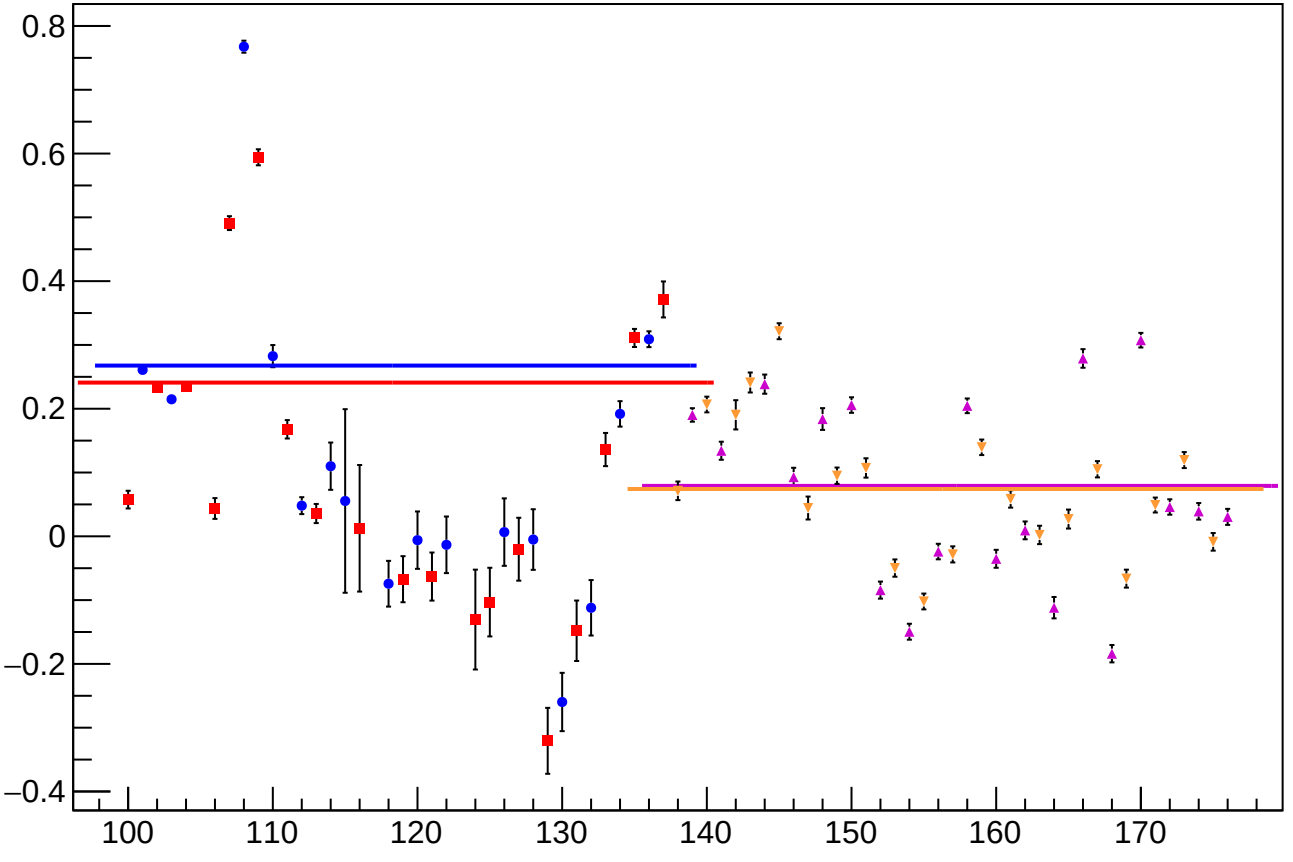
Left In: 50.670+/-0.069 χ^2/NDF:1424.4/18

+ sign 32.123+/-0.048 χ^2/NDF: 265964.3/35

All: 31.464+/-0.034 χ^2/NDF: 546021.9/73

- sign 30.792+/-0.049 χ^2/NDF: 279677.6/37

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.074+/-0.003 χ^2/NDF:1232.0/19

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

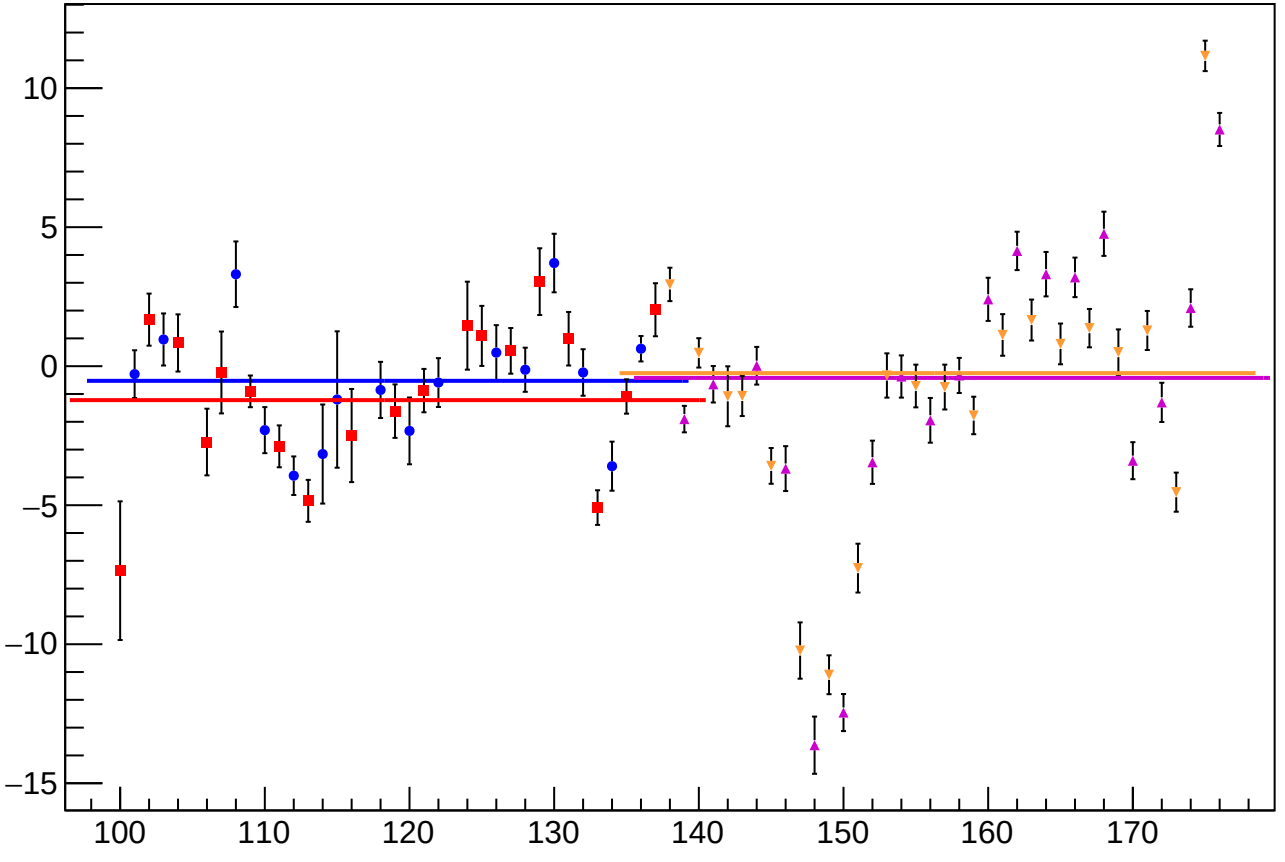
Left In: 0.079+/-0.003 χ^2/NDF:2270.5/18

+ sign 0.180+/-0.002 χ^2/NDF: 7135.5/35

All: 0.173+/-0.001 χ^2/NDF: 13339.7/73

- sign 0.168+/-0.002 χ^2/NDF: 6186.7/37

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -0.249+/-0.159 χ^2/NDF:961.4/19

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

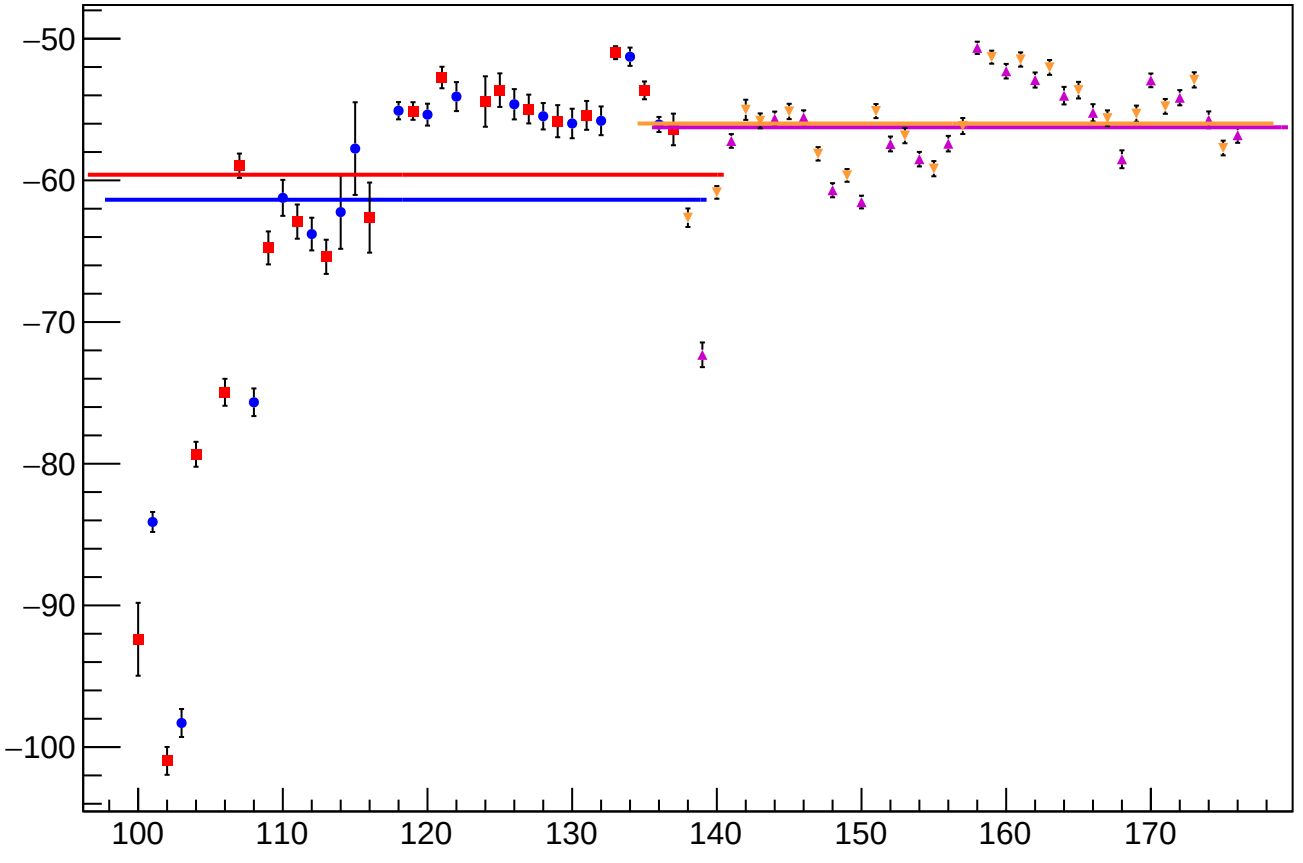
Left In: -0.422+/-0.160 χ^2/NDF:944.8/18

+ sign -0.346+/-0.128 χ^2/NDF: 1045.2/35

All: -0.539+/-0.090 χ^2/NDF: 2134.9/73

- sign -0.724+/-0.126 χ^2/NDF: 1085.2/37

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -55.986+/-0.118 χ^2/NDF:662.3/19

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

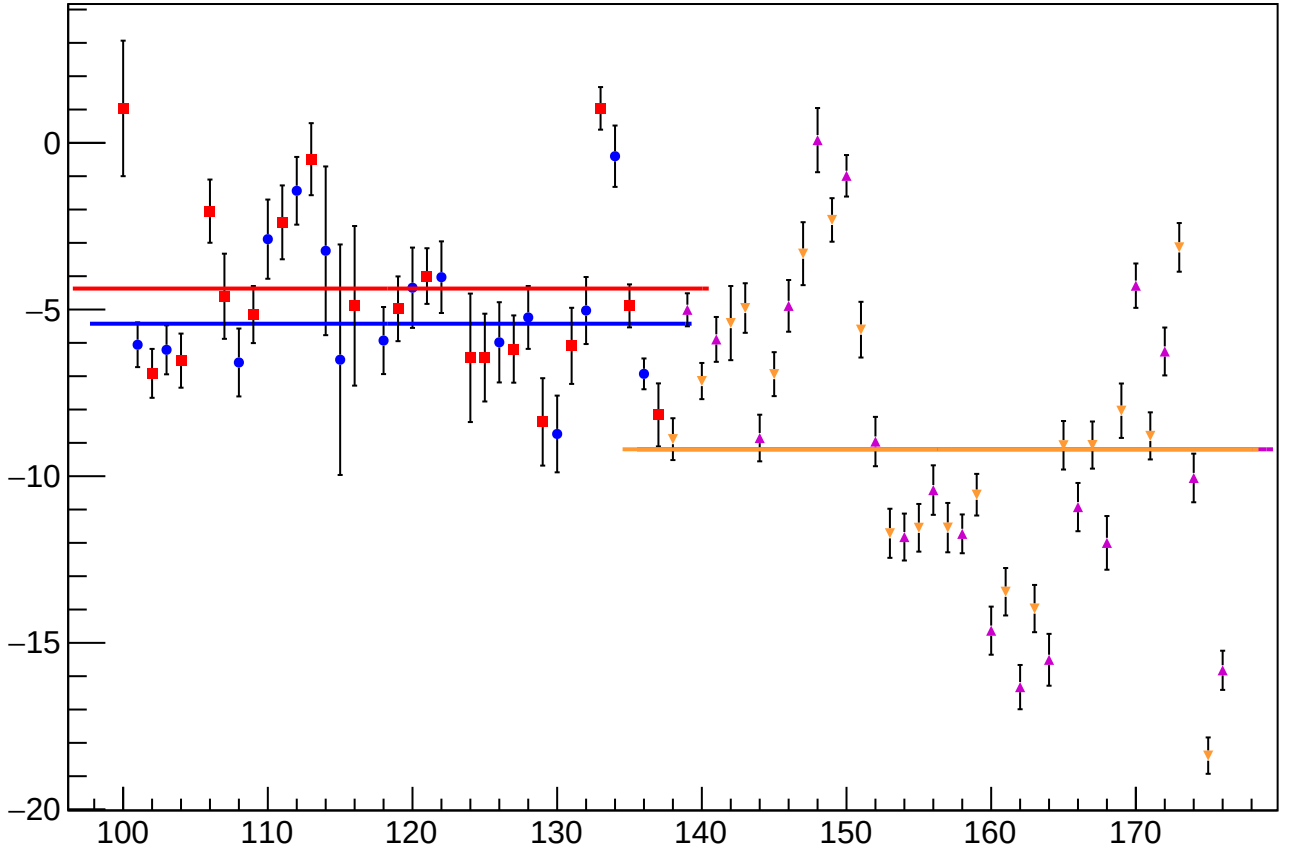
Left In: -56.253+/-0.122 χ^2/NDF:951.0/18

+ sign -57.193+/-0.104 χ^2/NDF: 4481.8/35

All: -57.154+/-0.074 χ^2/NDF: 9049.4/73

- sign -57.114+/-0.105 χ^2/NDF: 4567.3/37

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -9.193+/-0.157 χ^2/NDF:712.2/19

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

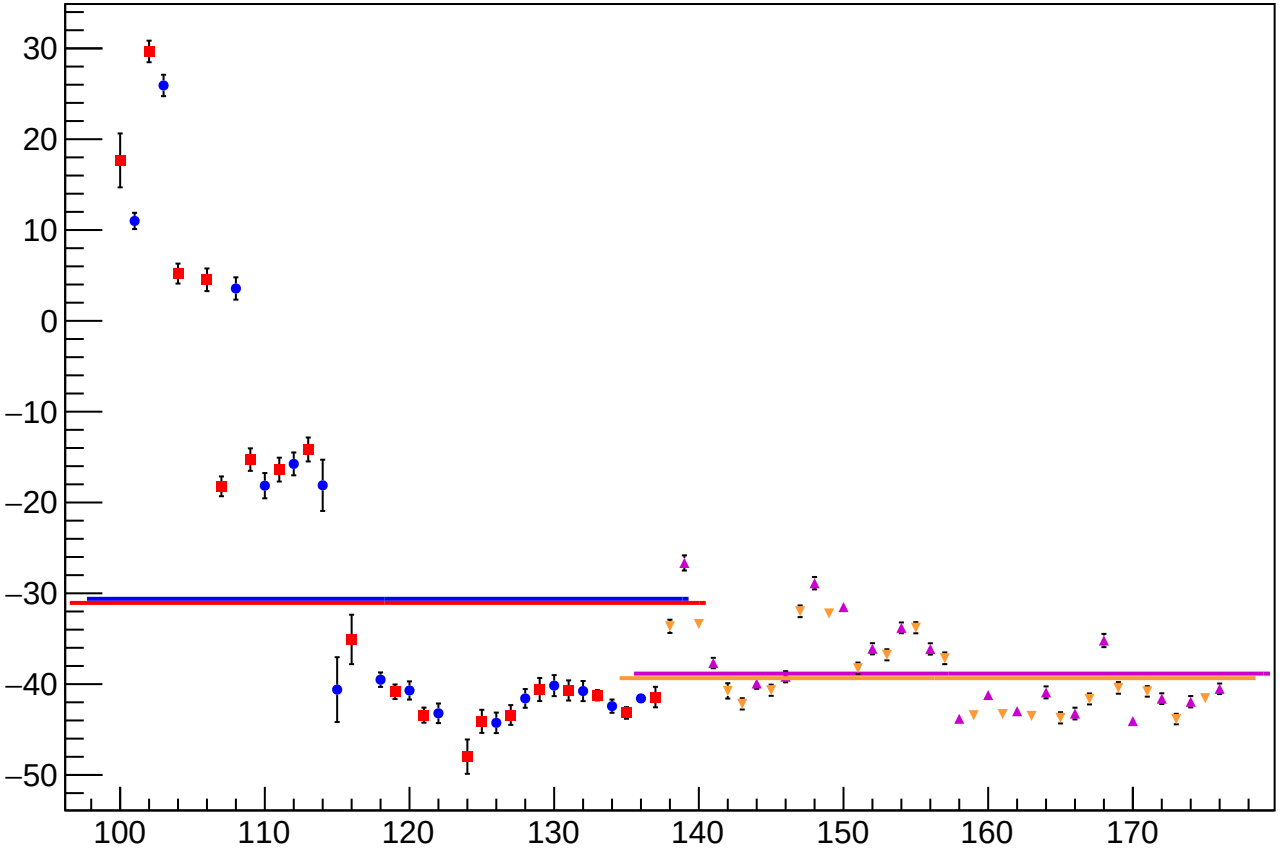
Left In: -9.193+/-0.157 χ^2/NDF:884.6/18

+ sign -7.994+/-0.130 χ^2/NDF: 971.2/35

All: -7.789+/-0.091 χ^2/NDF: 2330.9/73

- sign -7.589+/-0.128 χ^2/NDF: 1354.7/37

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.343+/-0.133 χ^2/NDF:967.4/19

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

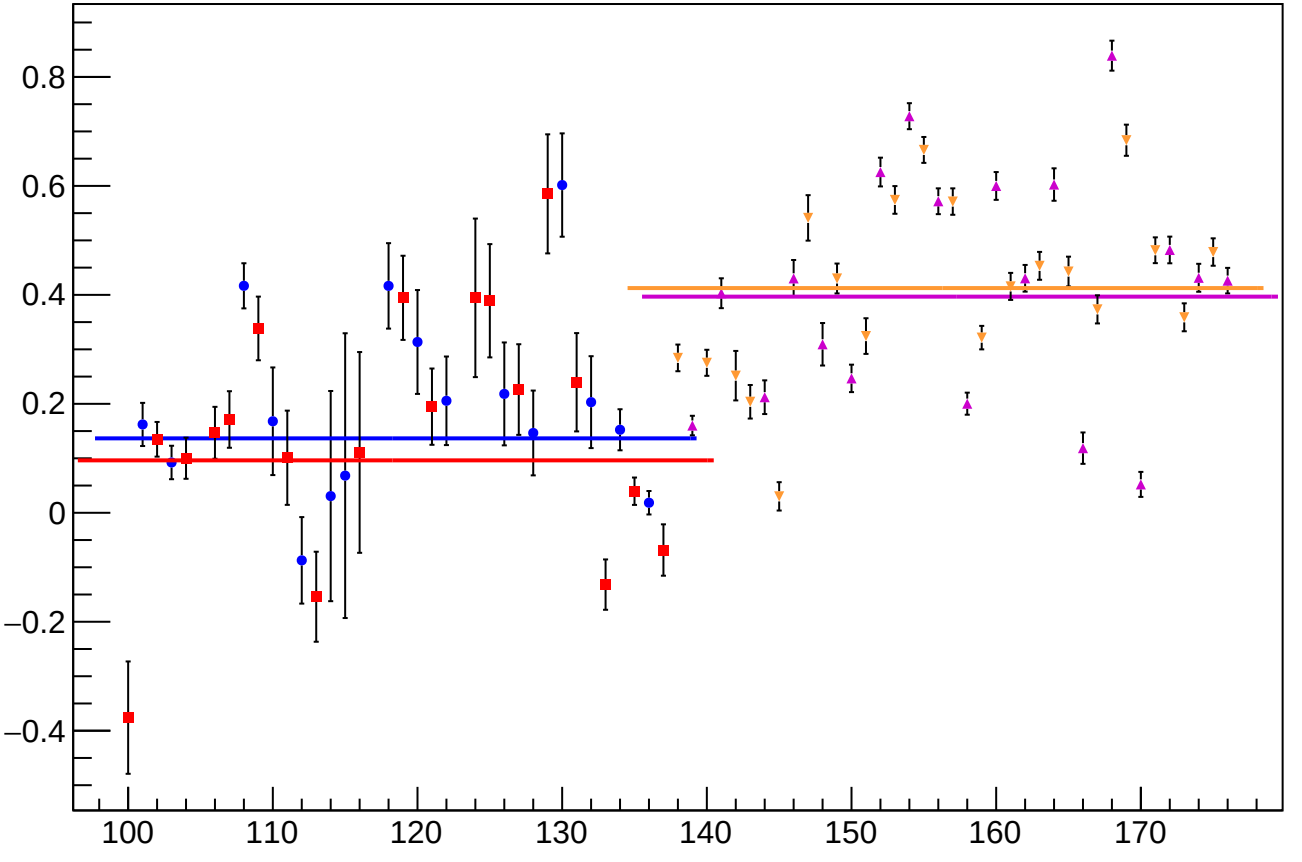
Left In: -38.841+/-0.136 χ^2/NDF:1171.2/18

+ sign -37.405+/-0.117 χ^2/NDF: 8860.7/35

All: -37.163+/-0.083 χ^2/NDF: 17824.2/73

- sign -36.919+/-0.118 χ^2/NDF: 8955.0/37

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.412+/-0.006 χ^2/NDF:682.8/19

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

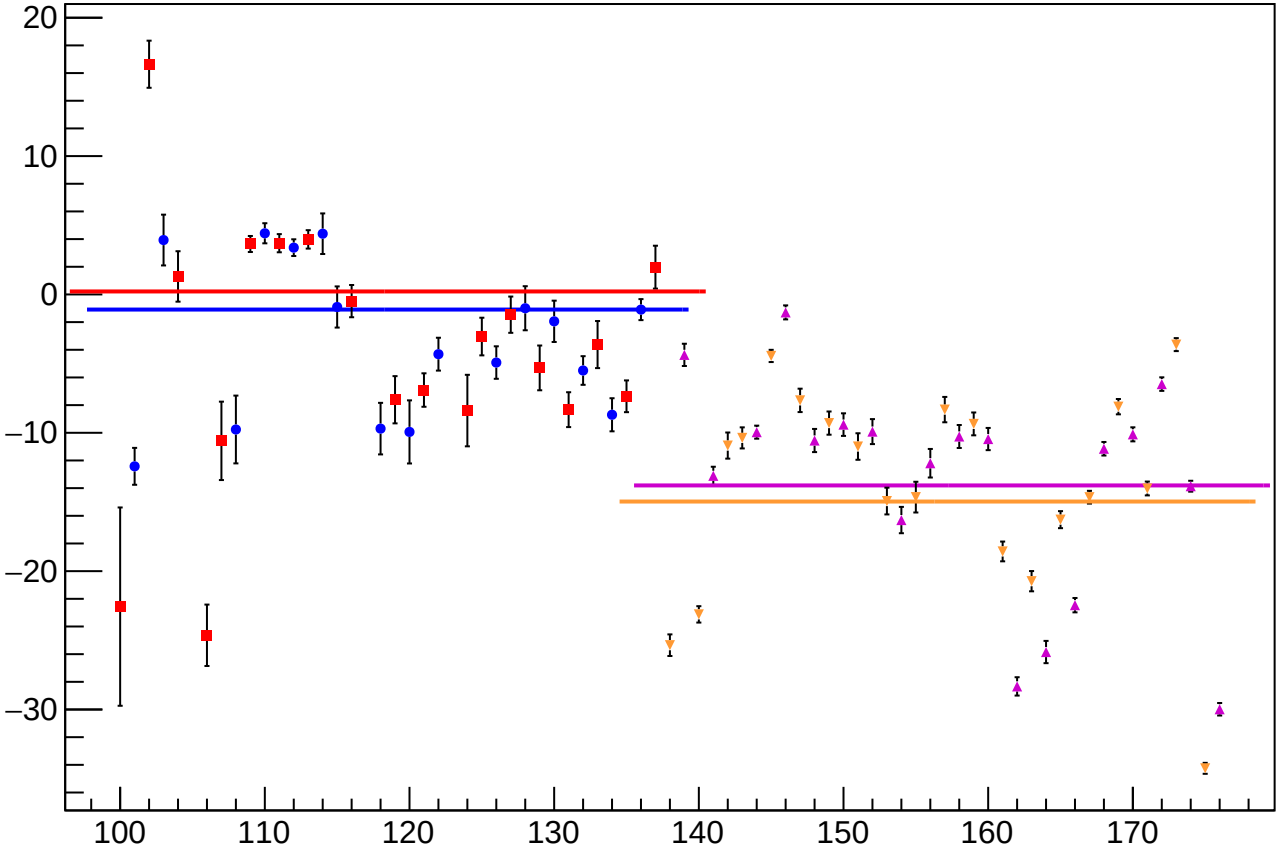
Left In: 0.397+/-0.006 χ^2/NDF:1373.6/18

+ sign 0.362+/-0.005 χ^2/NDF: 1209.7/35

All: 0.352+/-0.004 χ^2/NDF: 3223.6/73

- sign 0.342+/-0.005 χ^2/NDF: 2007.1/37

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -14.968+/-0.141 χ^2/NDF:4429.4/19

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

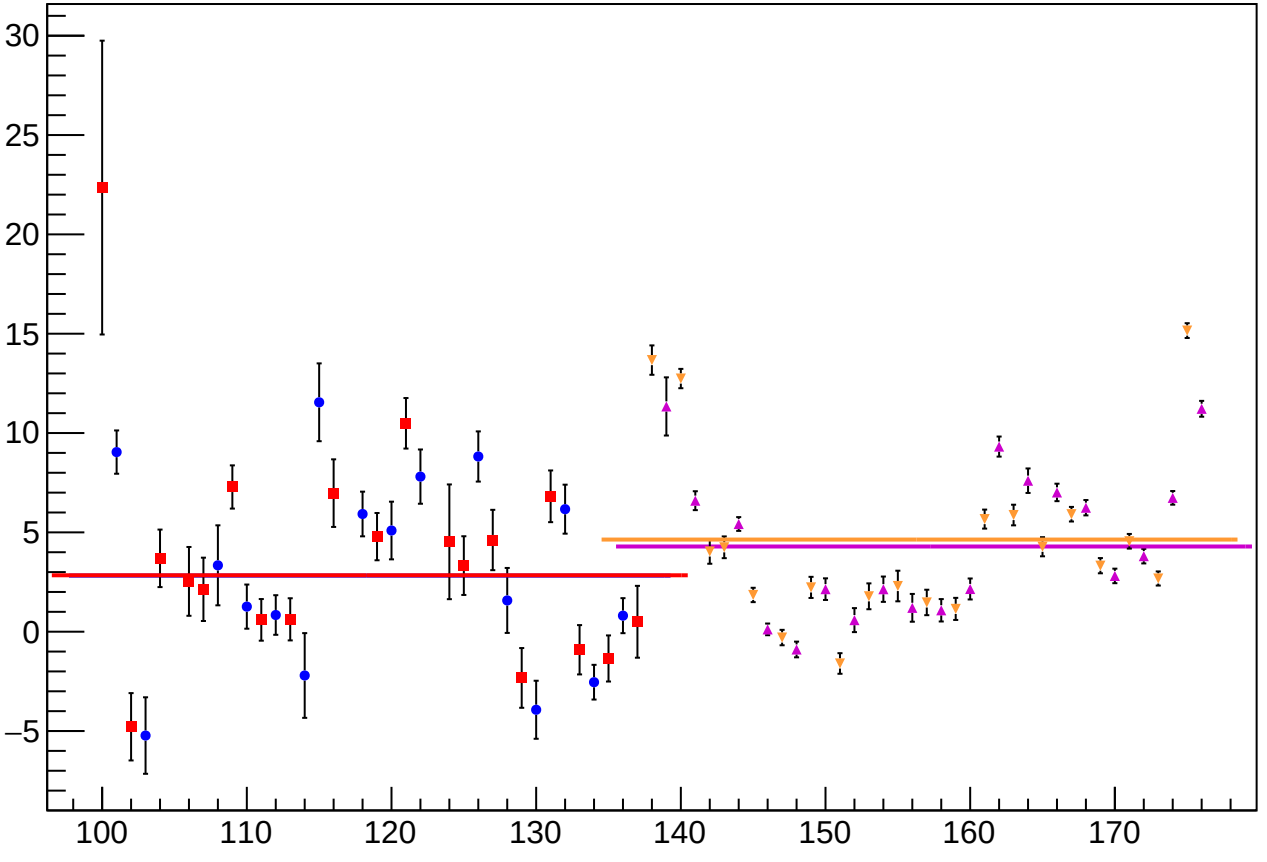
Left In: -13.804+/-0.138 χ^2/NDF:3491.8/18

+ sign -12.167+/-0.126 χ^2/NDF: 6713.5/35

All: -11.483+/-0.088 χ^2/NDF: 12970.7/73

- sign -10.837+/-0.122 χ^2/NDF: 6199.9/37

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 4.638+/-0.104 χ^2/NDF:1769.3/19

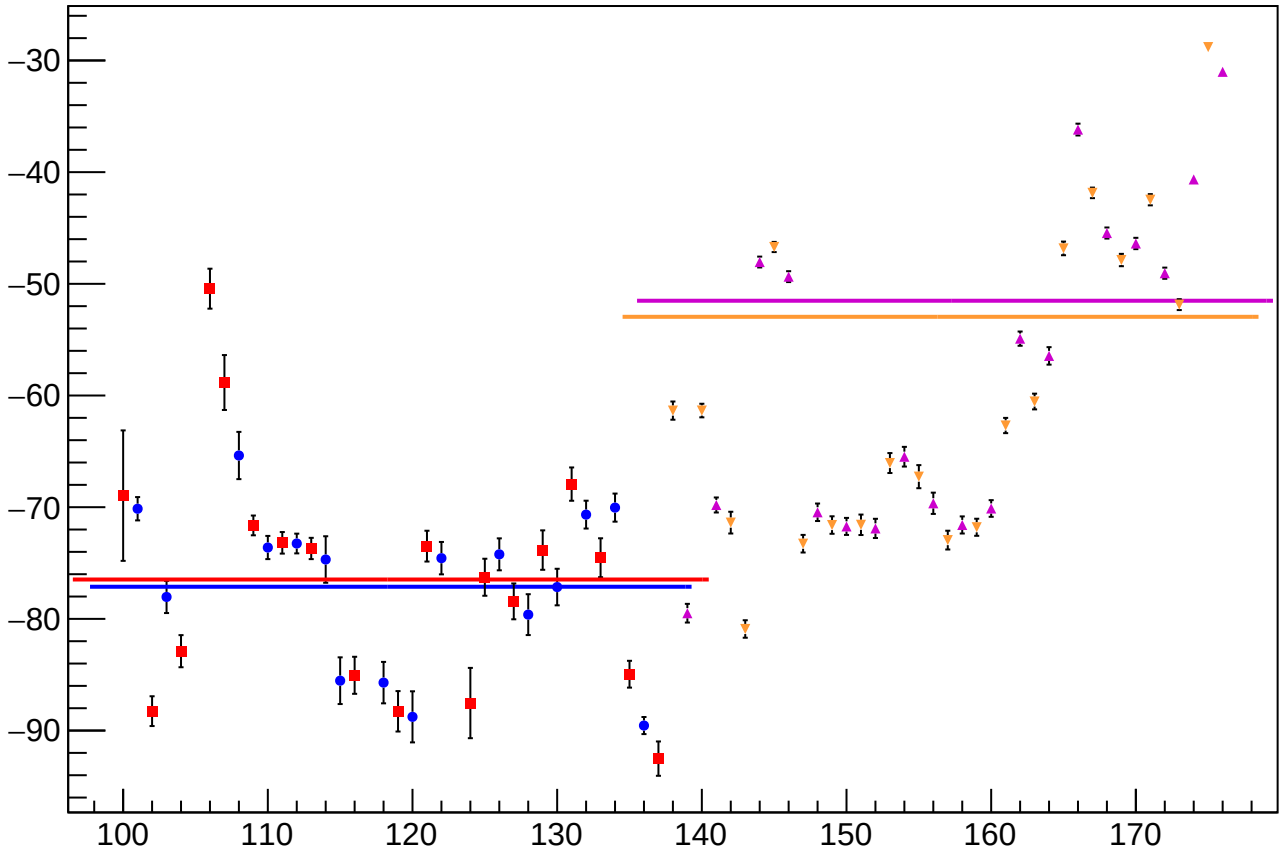
Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 4.289+/-0.102 χ^2/NDF:1126.1/18

+ sign 4.458+/-0.099 χ^2/NDF: 1999.1/35

All: 4.305+/-0.069 χ^2/NDF: 3293.2/73

- sign 4.157+/-0.097 χ^2/NDF: 1289.4/37



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -52.952+/-0.141 χ^2/NDF:10535.4/19

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

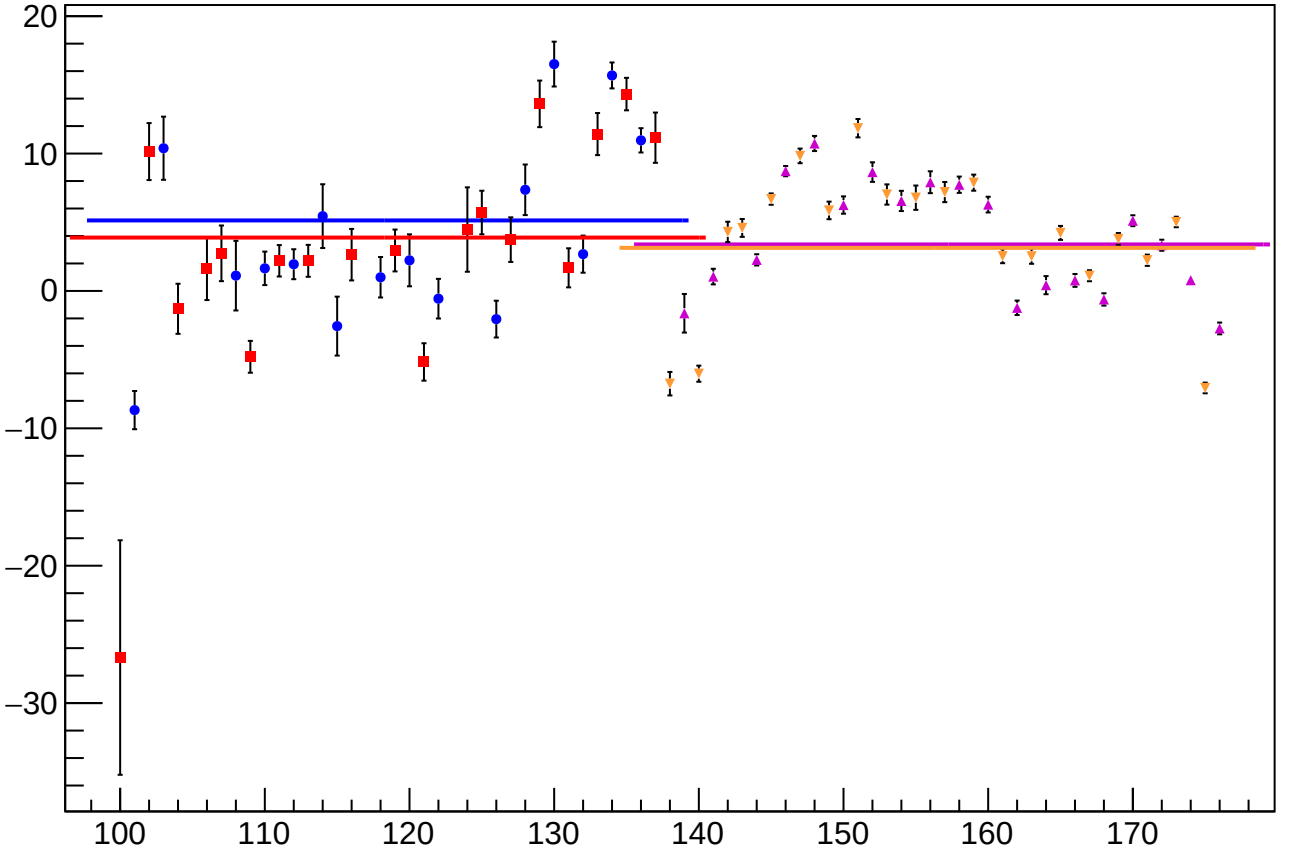
Left In: -51.514+/-0.138 χ^2/NDF:9638.1/18

+ sign -56.741+/-0.129 χ^2/NDF: 15666.3/35

All: -55.977+/-0.091 χ^2/NDF: 30981.0/73

- sign -55.240+/-0.127 χ^2/NDF: 15246.2/37

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 3.137+/-0.117 χ^2/NDF:1694.6/19

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

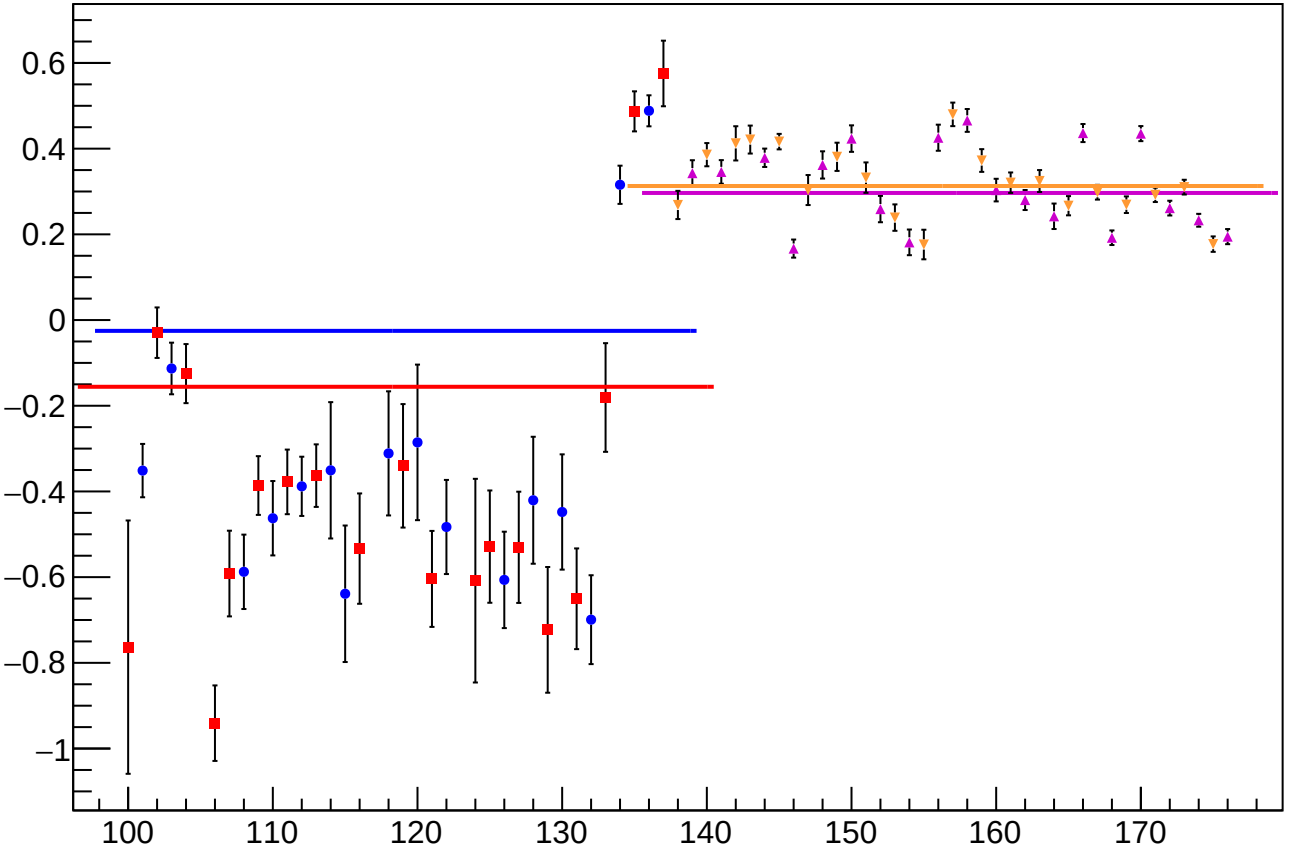
Left In: 3.386+/-0.115 χ^2/NDF:1108.7/18

+ sign 3.340+/-0.111 χ^2/NDF: 2136.2/35

All: 3.386+/-0.078 χ^2/NDF: 3538.4/73

- sign 3.432+/-0.110 χ^2/NDF: 1401.9/37

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.313+/-0.005 χ^2/NDF:195.7/19

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

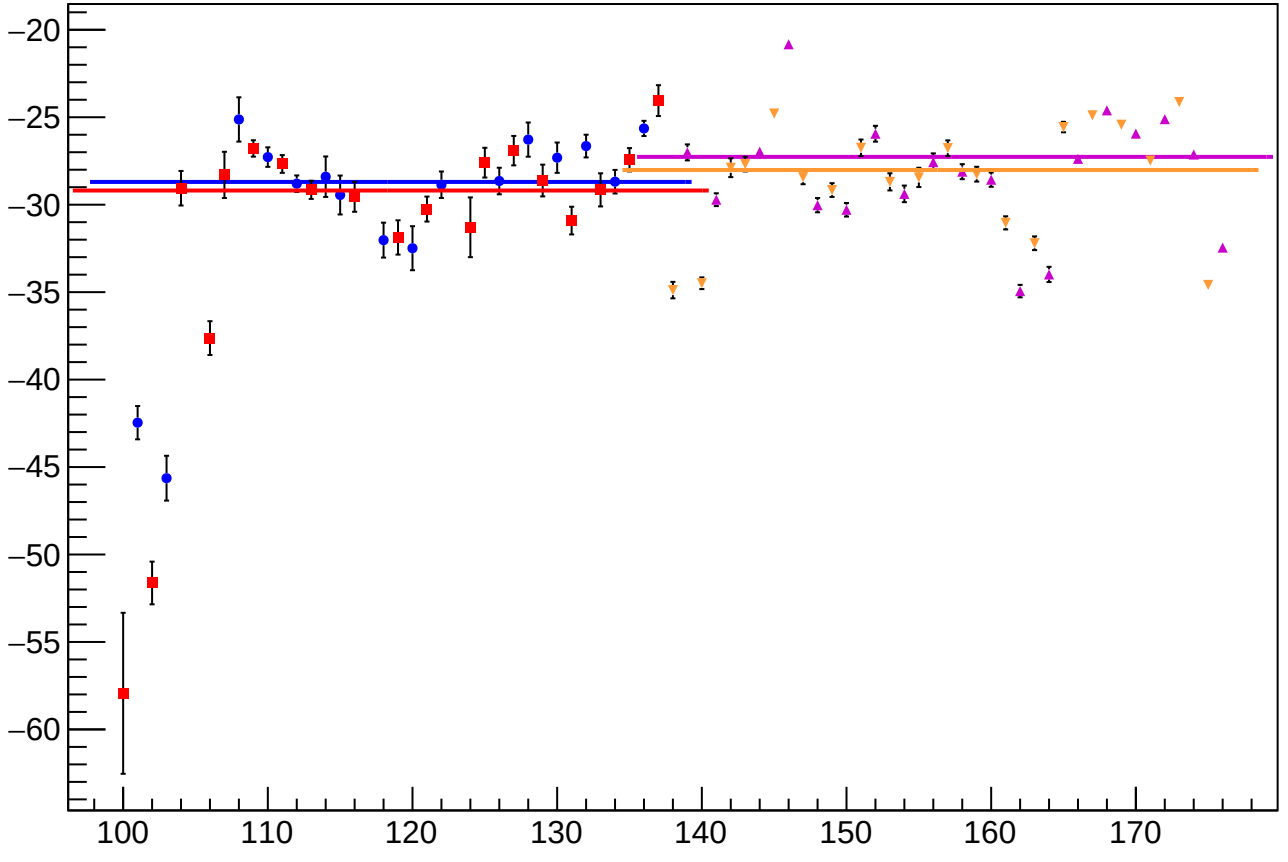
Left In: 0.297+/-0.005 χ^2/NDF:356.9/18

+ sign 0.288+/-0.005 χ^2/NDF: 1003.4/35

All: 0.278+/-0.004 χ^2/NDF: 2332.7/73

- sign 0.269+/-0.005 χ^2/NDF: 1322.2/37

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.017+/-0.068 χ^2/NDF:2931.0/19

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

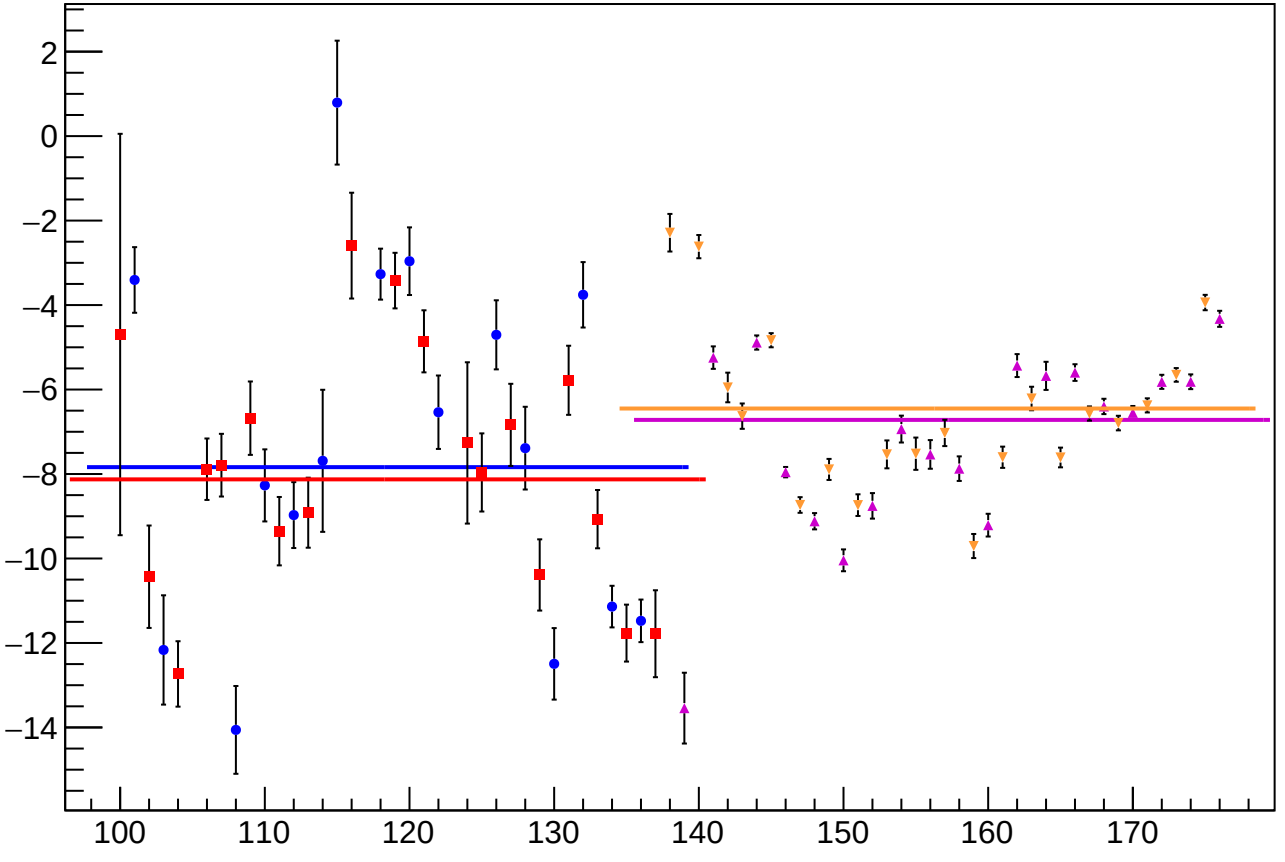
Left In: -27.266+/-0.066 χ^2/NDF:2721.2/18

+ sign -28.098+/-0.064 χ^2/NDF: 3430.1/35

All: -27.784+/-0.045 χ^2/NDF: 6854.2/73

- sign -27.491+/-0.062 χ^2/NDF: 3377.9/37

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.449+/-0.050 χ^2/NDF:1059.8/19

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

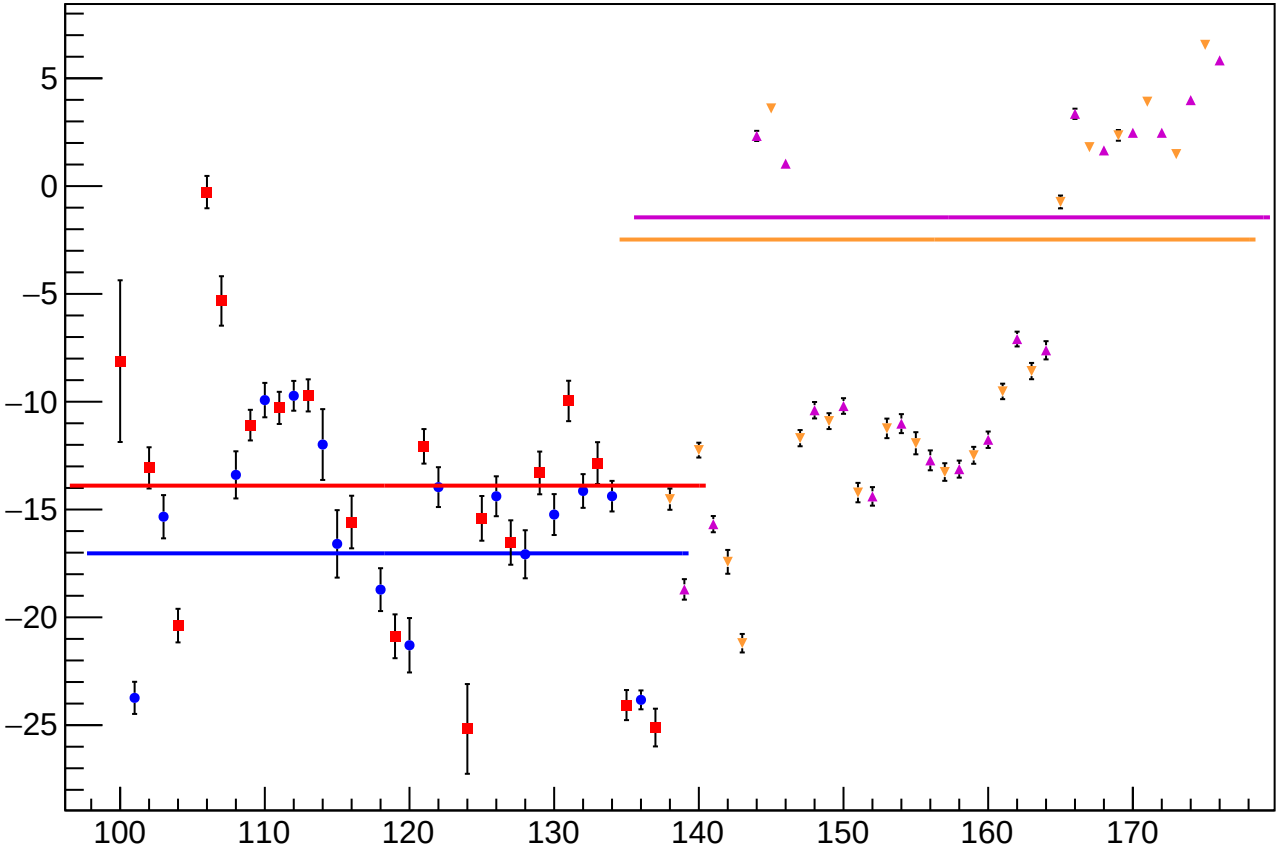
Left In: -6.719+/-0.048 χ^2/NDF:1073.4/18

+ sign -6.537+/-0.049 χ^2/NDF: 1490.5/35

All: -6.673+/-0.034 χ^2/NDF: 2824.5/73

- sign -6.799+/-0.047 χ^2/NDF: 1319.0/37

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -2.478+/-0.068 χ^2/NDF:13483.3/19

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

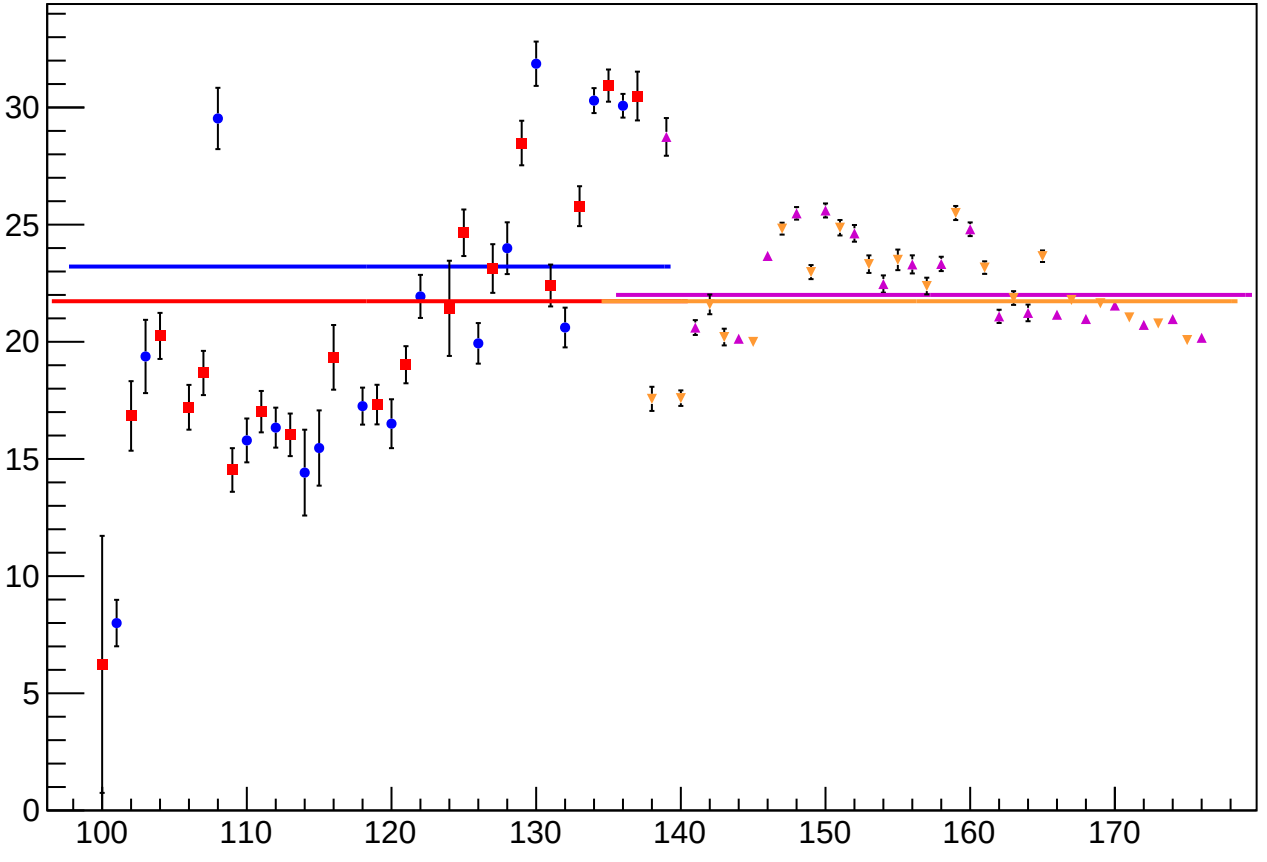
Left In: -1.450+/-0.066 χ^2/NDF:11352.5/18

\+ sign -3.876+/-0.065 χ^2/NDF: 18452.8/35

All: -3.201+/-0.045 χ^2/NDF: 34247.5/73

\- sign -2.569+/-0.063 χ^2/NDF: 15585.2/37

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.731+/-0.057 χ^2/NDF:981.1/19

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

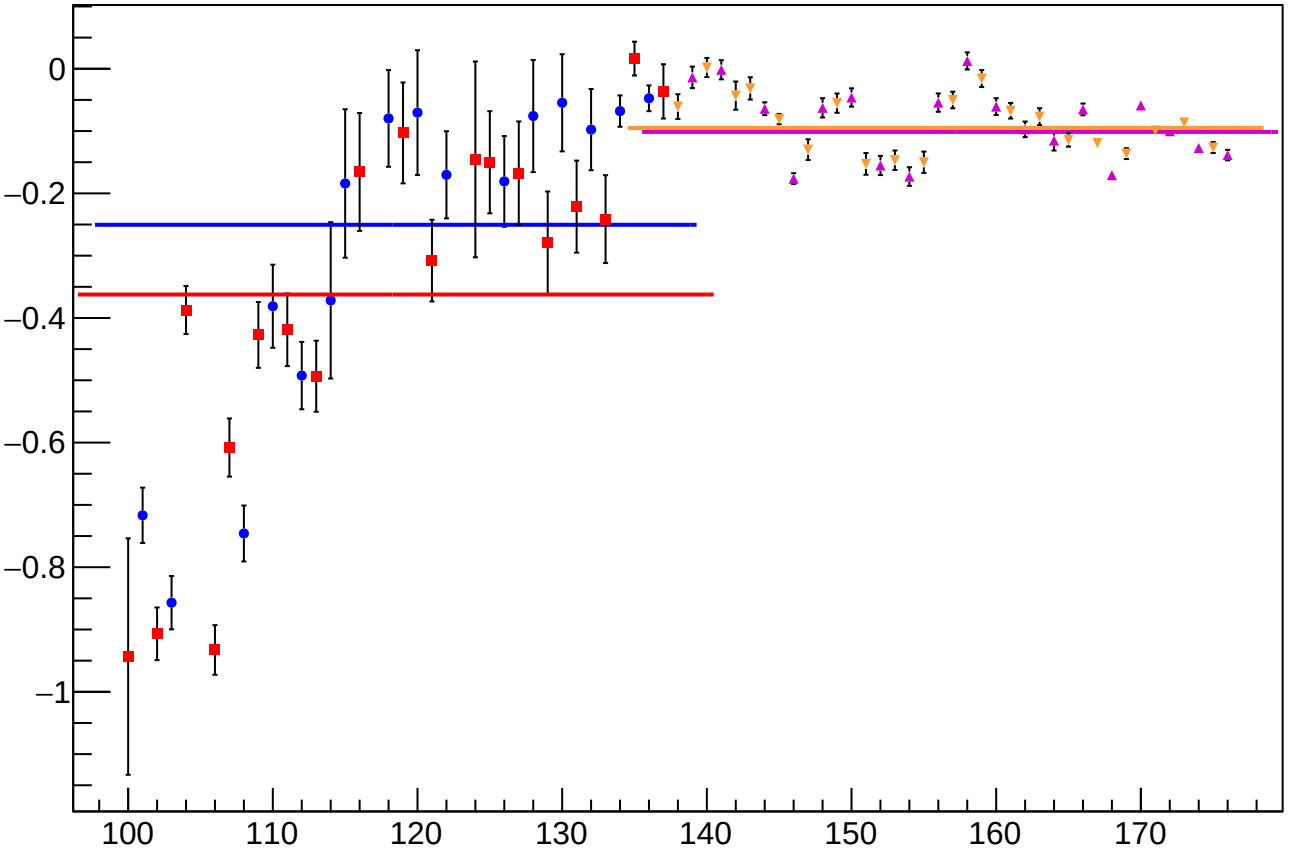
Left In: 22.001+/-0.055 χ^2/NDF:1009.3/18

+ sign 21.825+/-0.055 χ^2/NDF: 2032.4/35

All: 21.908+/-0.038 χ^2/NDF: 3605.7/73

- sign 21.986+/-0.053 χ^2/NDF: 1568.9/37

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.095+/-0.003 χ^2/NDF:208.2/19

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

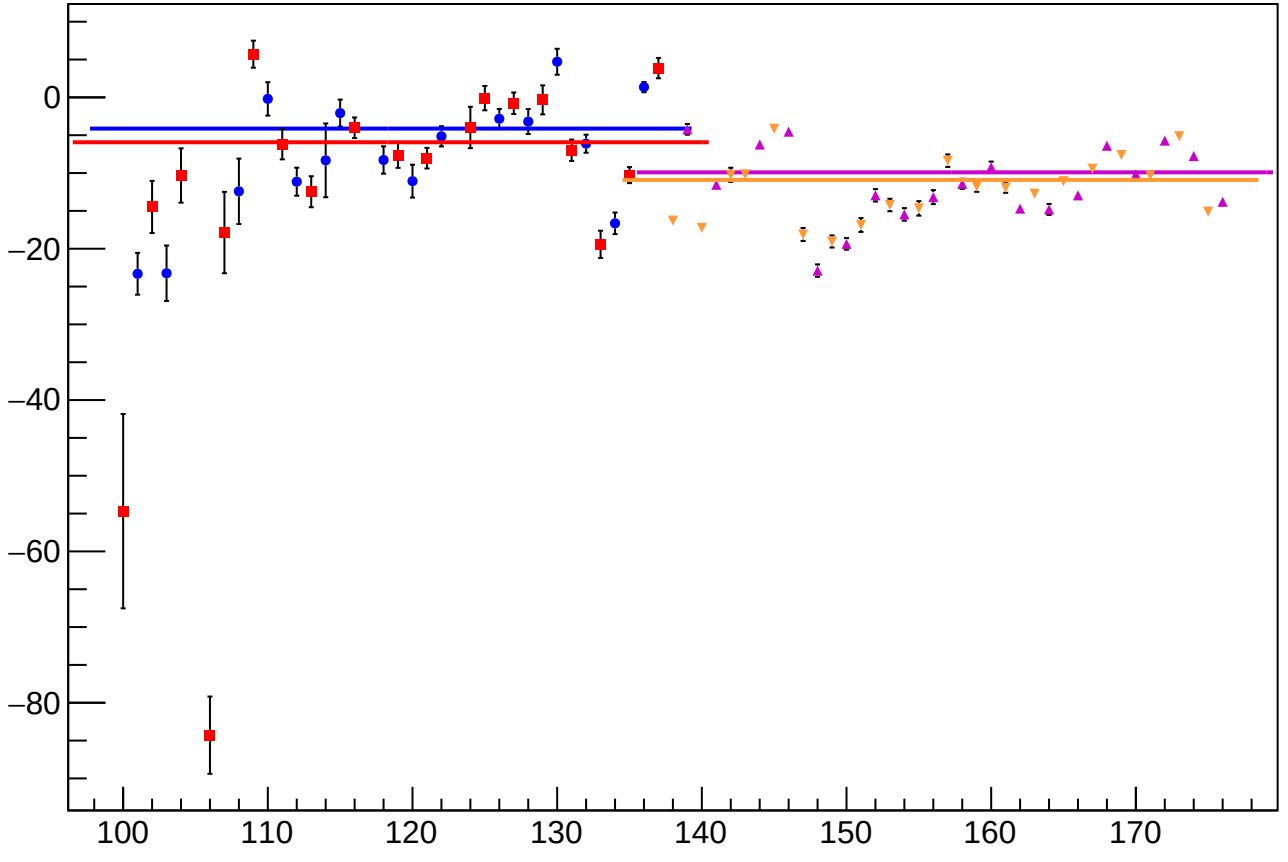
Left In: -0.101+/-0.002 χ^2/NDF:451.7/18

+ sign -0.102+/-0.003 χ^2/NDF: 1011.0/35

All: -0.107+/-0.002 χ^2/NDF: 2603.5/73

- sign -0.111+/-0.002 χ^2/NDF: 1585.7/37

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.910+/-0.121 χ^2/NDF:1258.5/19

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

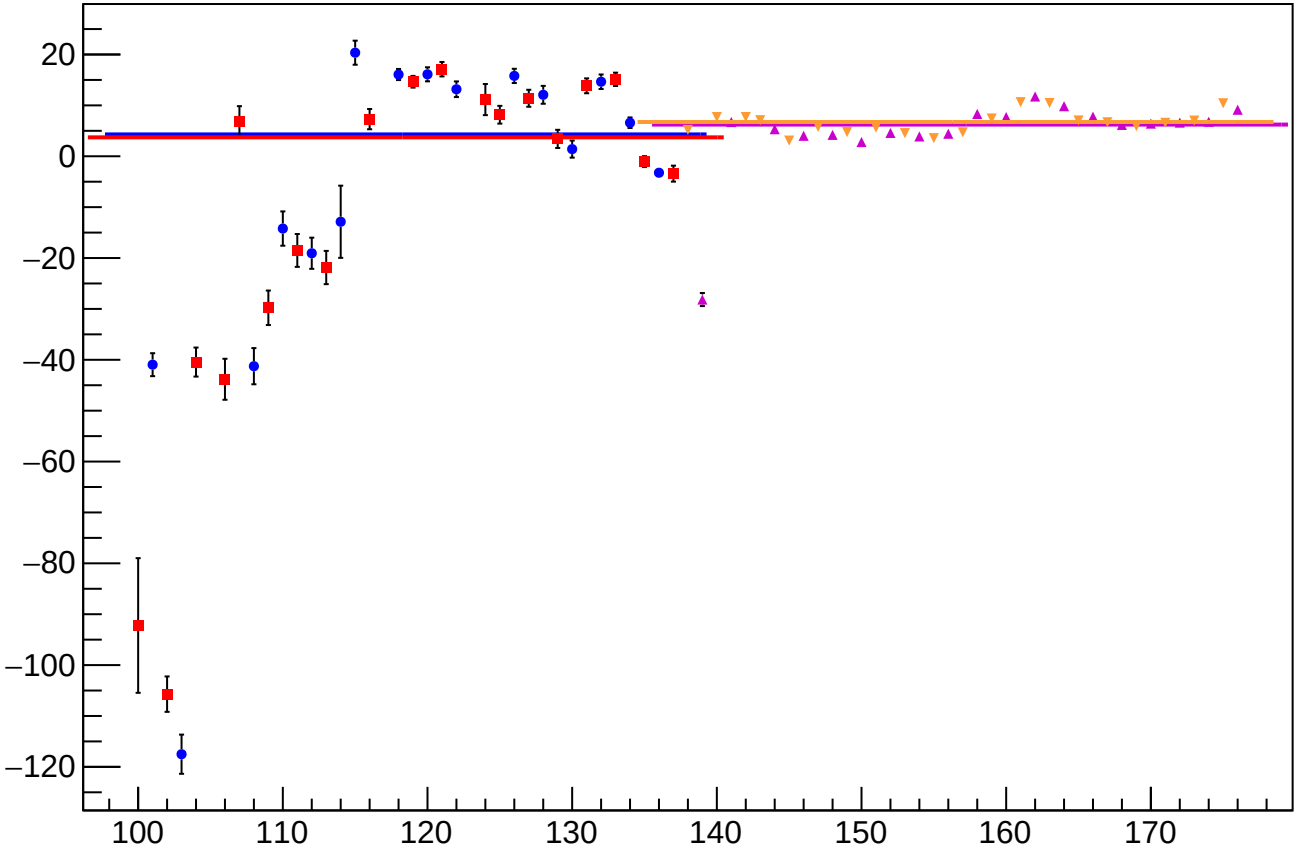
Left In: -9.907+/-0.118 χ^2/NDF:1292.9/18

+ sign -10.293+/-0.115 χ^2/NDF: 1833.6/35

All: -9.941+/-0.081 χ^2/NDF: 3715.4/73

- sign -9.601+/-0.113 χ^2/NDF: 1863.3/37

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.739+/-0.090 χ^2/NDF:543.6/19

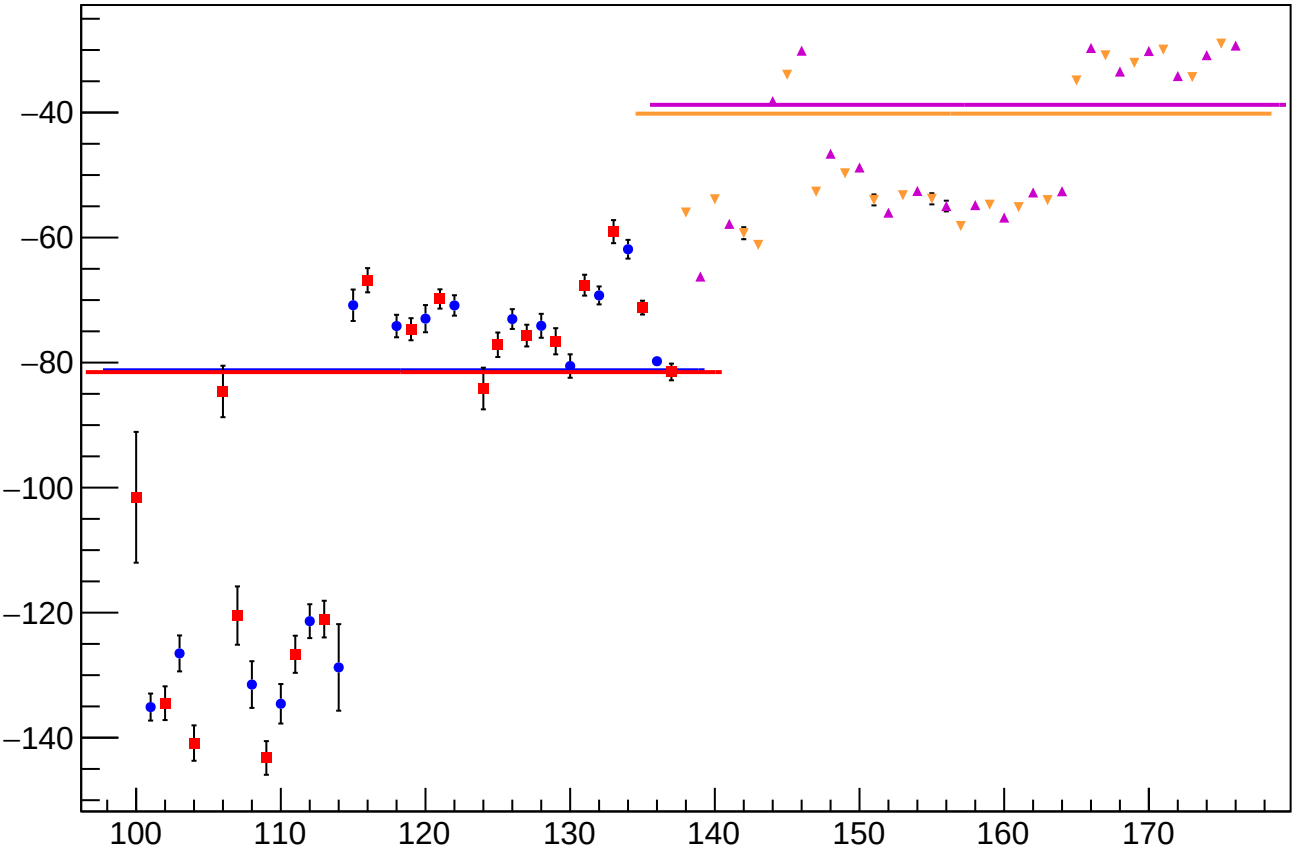
Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 6.227+/-0.088 χ^2/NDF:1236.1/18

+ sign 6.612+/-0.088 χ^2/NDF: 2751.0/35

All: 6.362+/-0.062 χ^2/NDF: 6044.0/73

- sign 6.123+/-0.086 χ^2/NDF: 3277.2/37



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -40.179+/-0.121 χ^2/NDF:8964.6/19

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

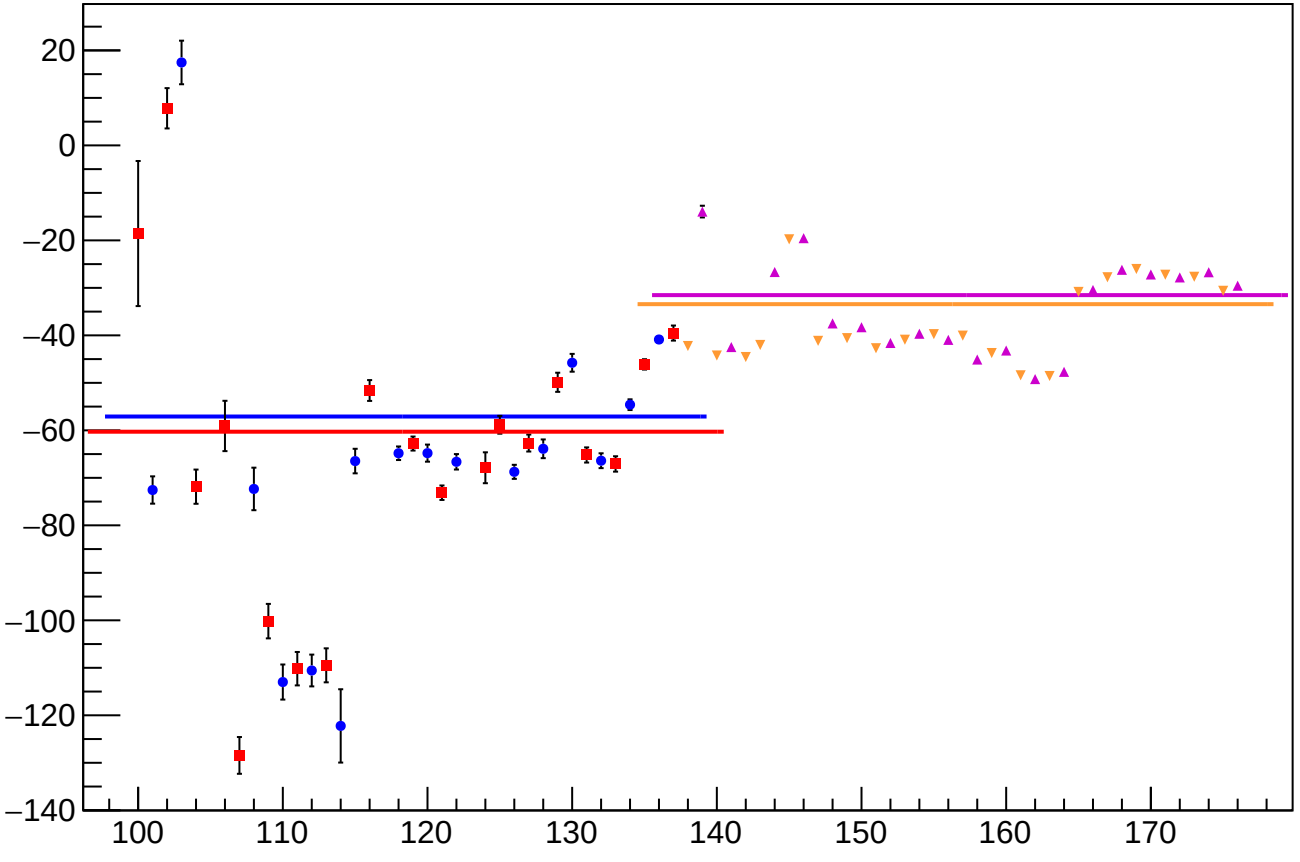
Left In: -38.769+/-0.118 χ^2/NDF:8886.6/18

+ sign -43.347+/-0.116 χ^2/NDF: 19886.6/35

All: -42.346+/-0.081 χ^2/NDF: 39268.8/73

- sign -41.377+/-0.114 χ^2/NDF: 19235.2/37

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -33.431+/-0.101 χ^2/NDF:7264.3/19

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

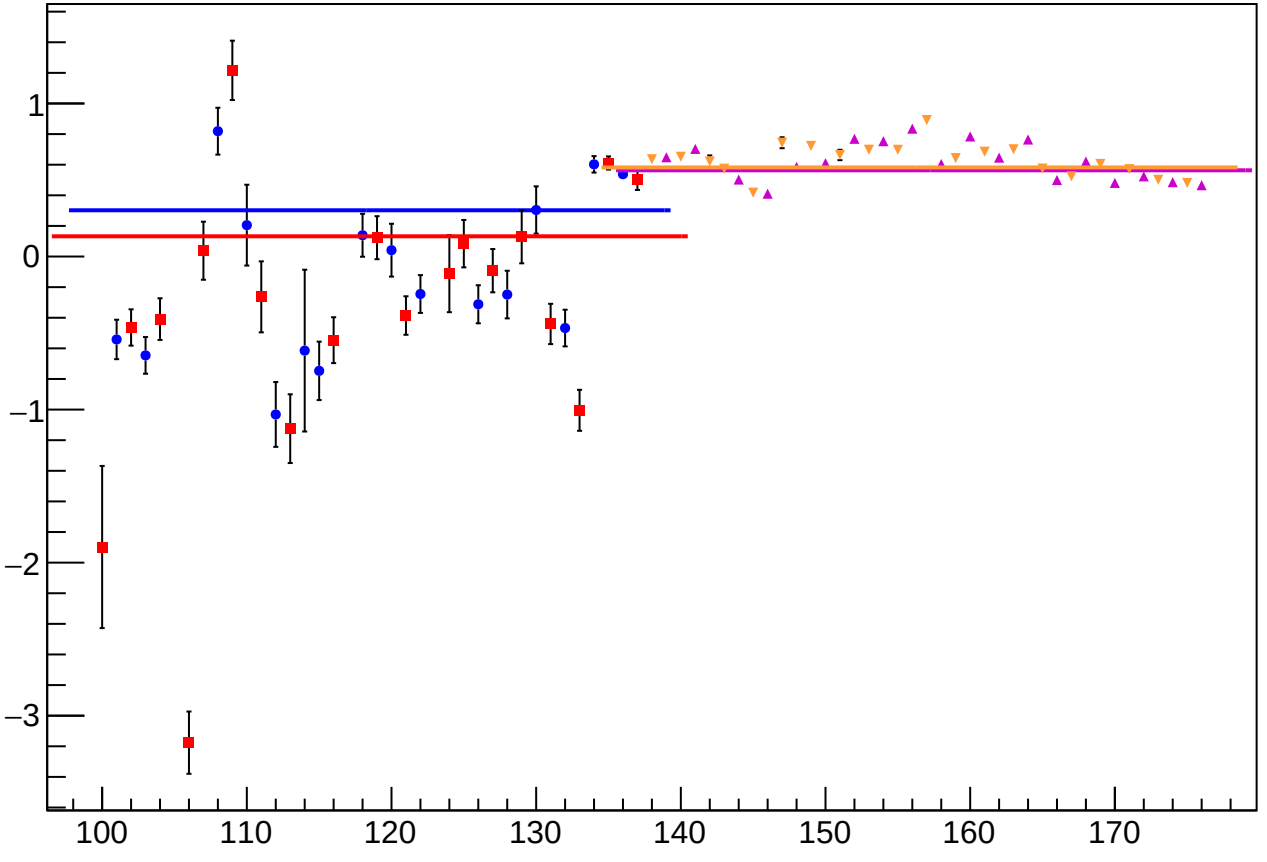
Left In: -31.527+/-0.099 χ^2/NDF:7284.2/18

+ sign -34.697+/-0.098 χ^2/NDF: 11713.8/35

All: -33.712+/-0.069 χ^2/NDF: 24367.6/73

- sign -32.754+/-0.097 χ^2/NDF: 12456.3/37

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.582+/-0.005 χ^2/NDF:521.7/19

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

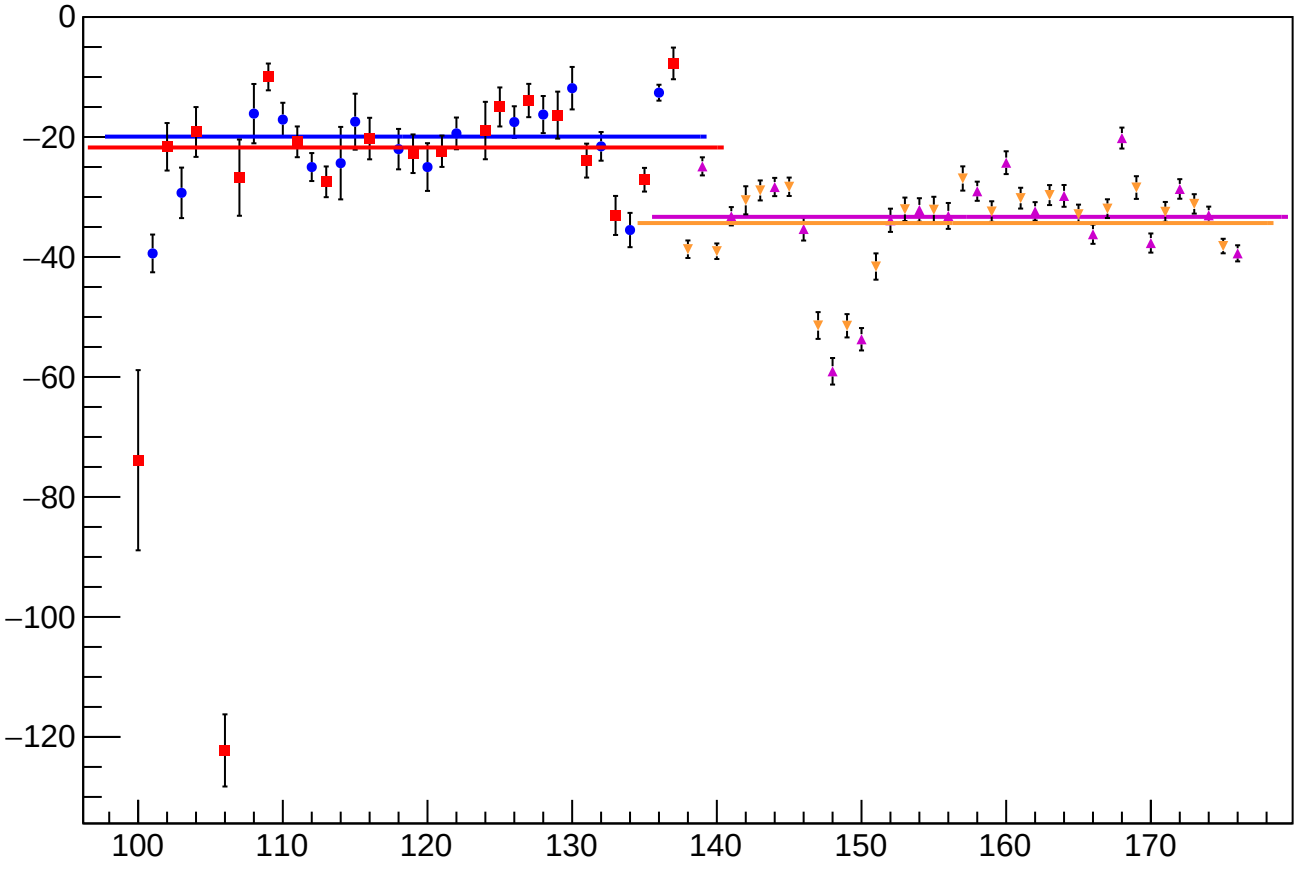
Left In: 0.563+/-0.004 χ^2/NDF:649.5/18

+ sign 0.571+/-0.004 χ^2/NDF: 1039.6/35

All: 0.561+/-0.003 χ^2/NDF: 2629.1/73

- sign 0.552+/-0.004 χ^2/NDF: 1579.7/37

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.344+/-0.379 χ^2/NDF:256.9/19

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

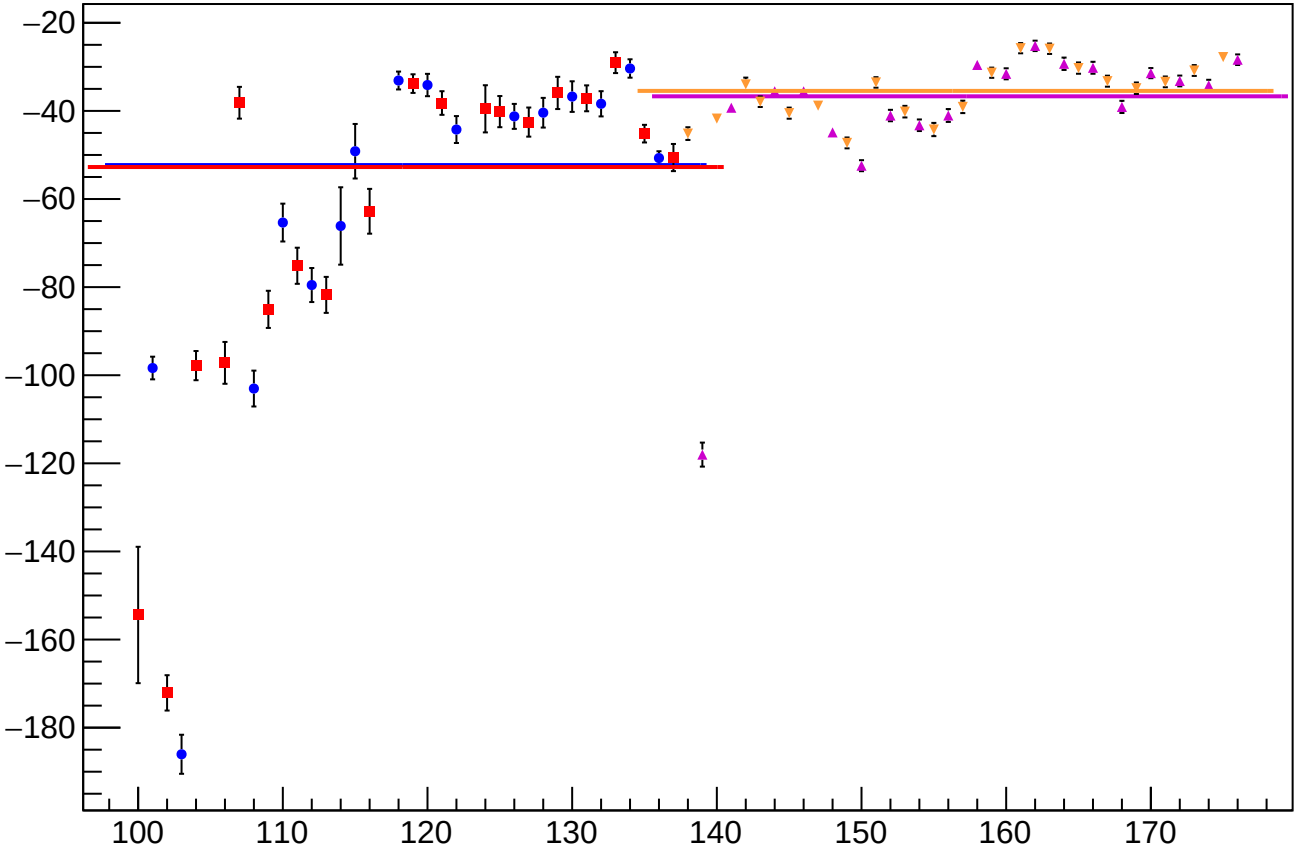
Left In: -33.309+/-0.386 χ^2/NDF:427.7/18

+ sign -31.042+/-0.333 χ^2/NDF: 709.0/35

All: -30.871+/-0.238 χ^2/NDF: 1728.8/73

- sign -30.694+/-0.339 χ^2/NDF: 1019.2/37

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.455+/-0.277 χ^2/NDF:486.9/19

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

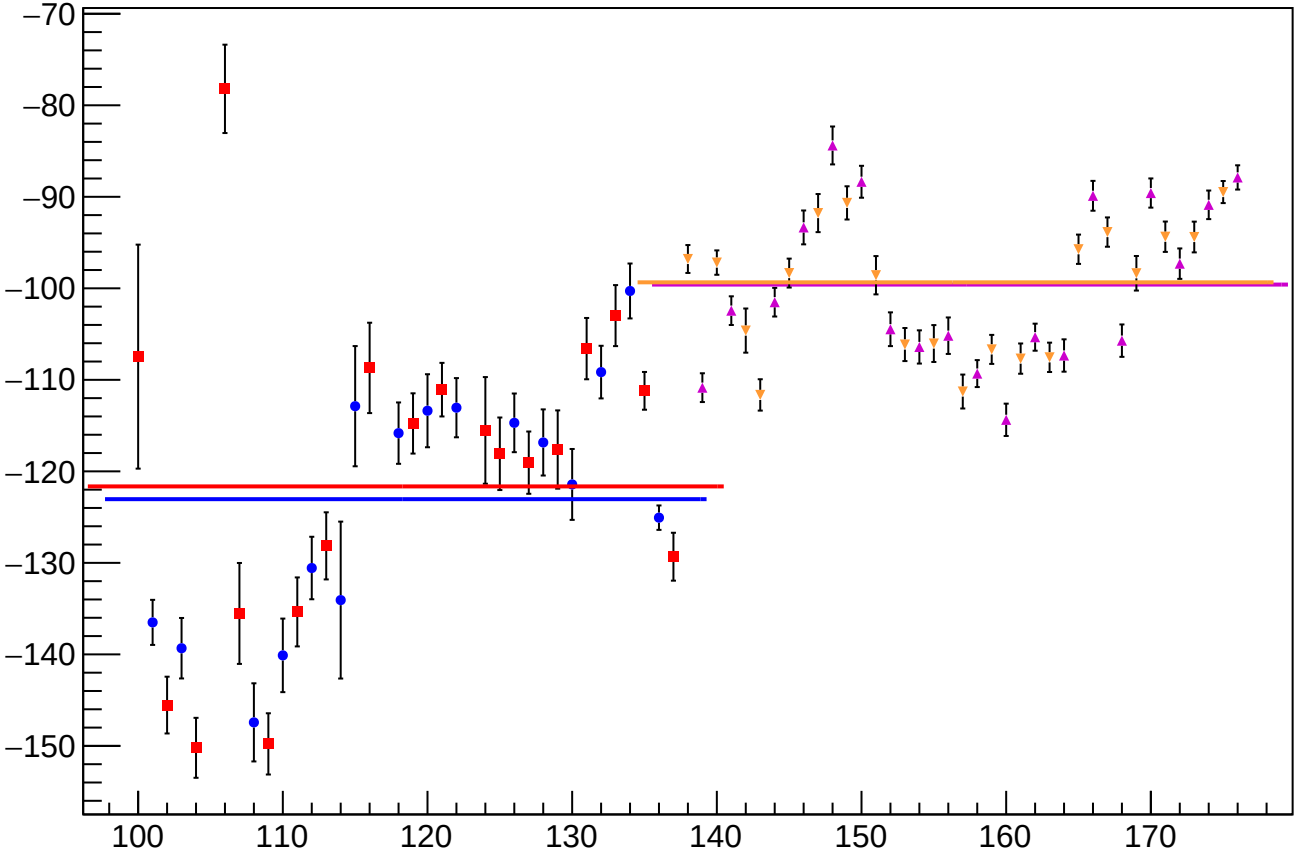
Left In: -36.687+/-0.286 χ^2/NDF:1448.7/18

+ sign -37.694+/-0.258 χ^2/NDF: 2755.6/35

All: -38.198+/-0.186 χ^2/NDF: 6276.0/73

- sign -38.738+/-0.267 χ^2/NDF: 3512.6/37

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -99.345+/-0.374 χ^2/NDF:339.6/19

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

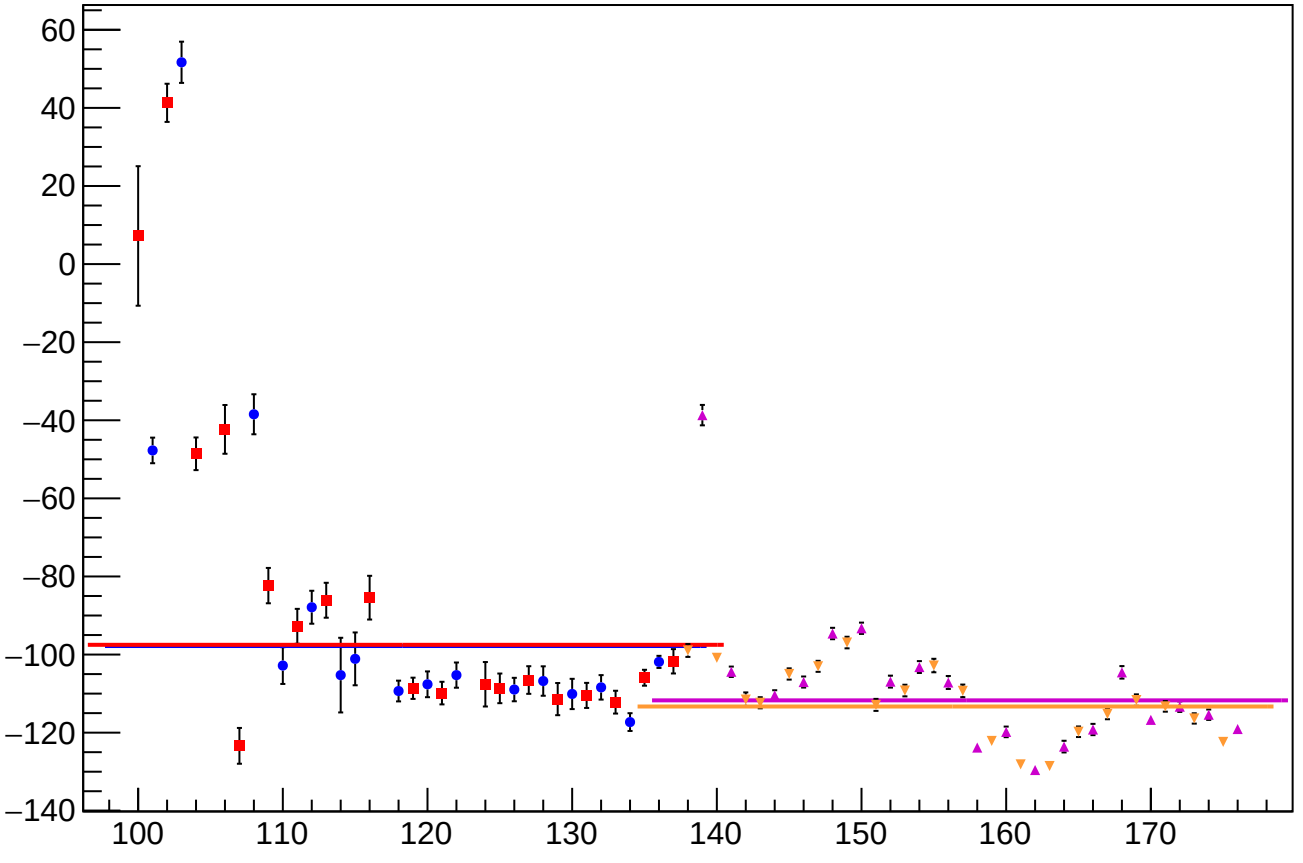
Left In: -99.591+/-0.380 χ^2/NDF:537.5/18

+ sign -104.074+/-0.335 χ^2/NDF: 1365.2/35

All: -103.866+/-0.240 χ^2/NDF: 2946.4/73

- sign -103.648+/-0.344 χ^2/NDF: 1580.3/37

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -113.303+/-0.315 χ^2/NDF:862.4/19

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

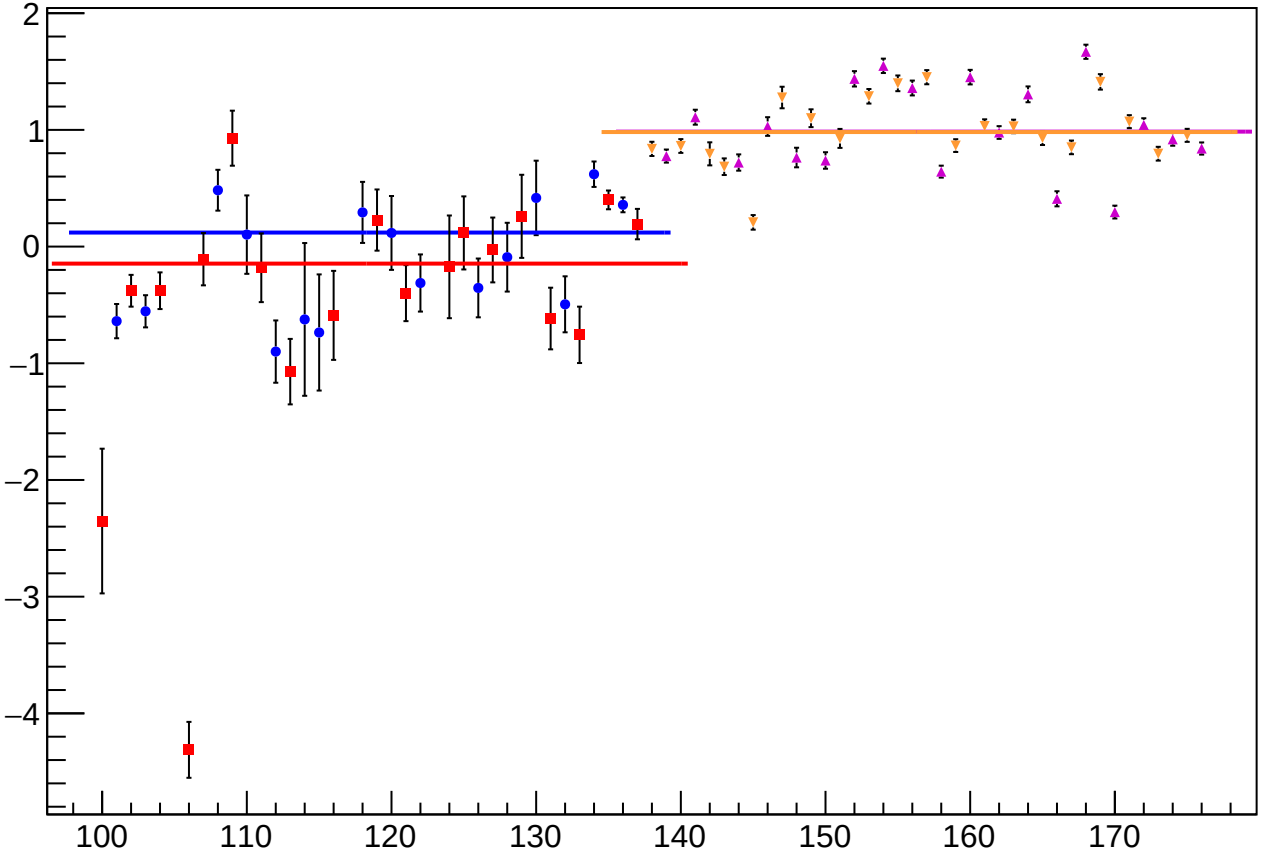
Left In: -111.730+/-0.323 χ^2/NDF:1696.6/18

+ sign -111.198+/-0.292 χ^2/NDF: 2522.9/35

All: -110.573+/-0.210 χ^2/NDF: 5713.9/73

- sign -109.910+/-0.301 χ^2/NDF: 3181.5/37

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.982+/-0.014 χ^2/NDF:385.9/19

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

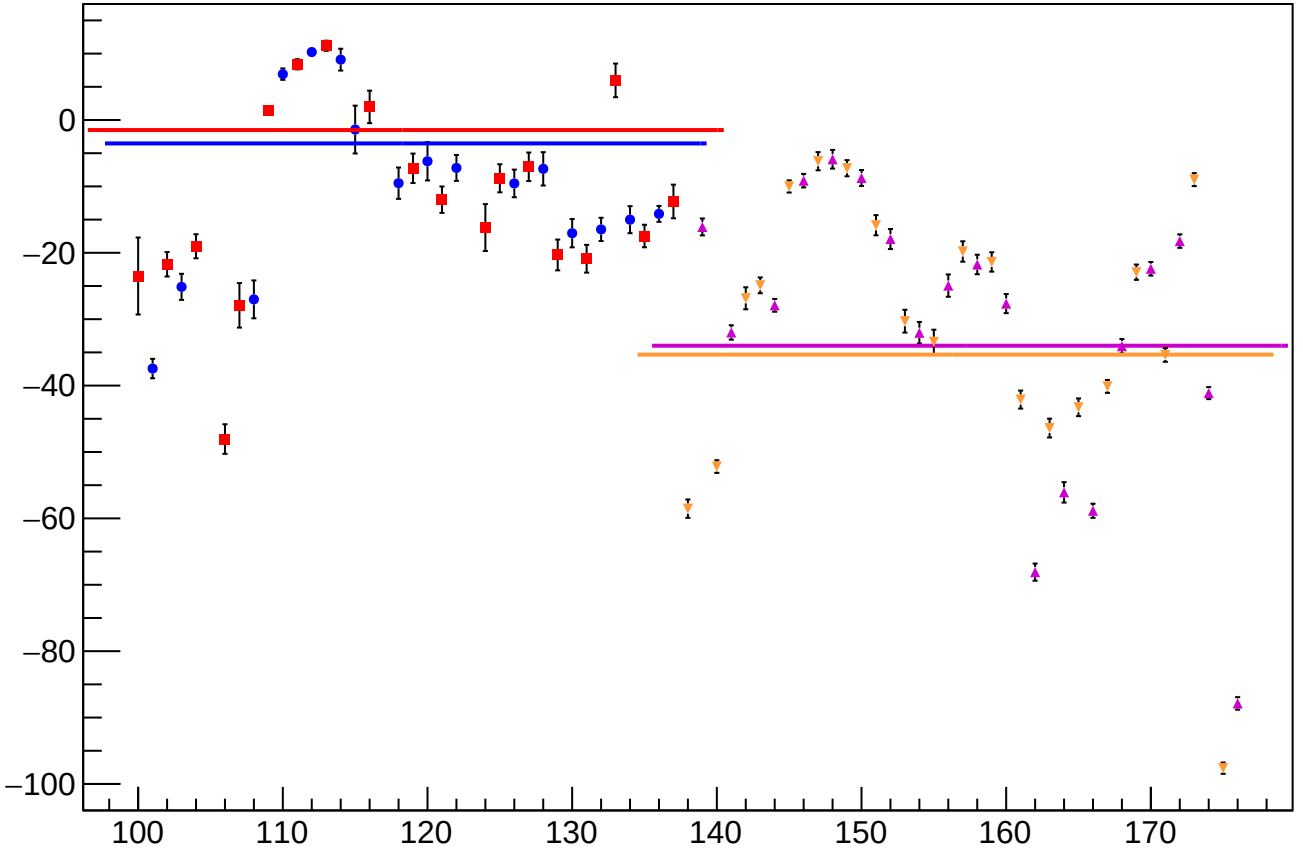
Left In: 0.985+/-0.014 χ^2/NDF:711.7/18

+ sign 0.890+/-0.013 χ^2/NDF: 900.1/35

All: 0.887+/-0.010 χ^2/NDF: 2611.0/73

- sign 0.884+/-0.013 χ^2/NDF: 1710.7/37

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -35.335+/-0.269 χ^2/NDF:9169.0/19

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

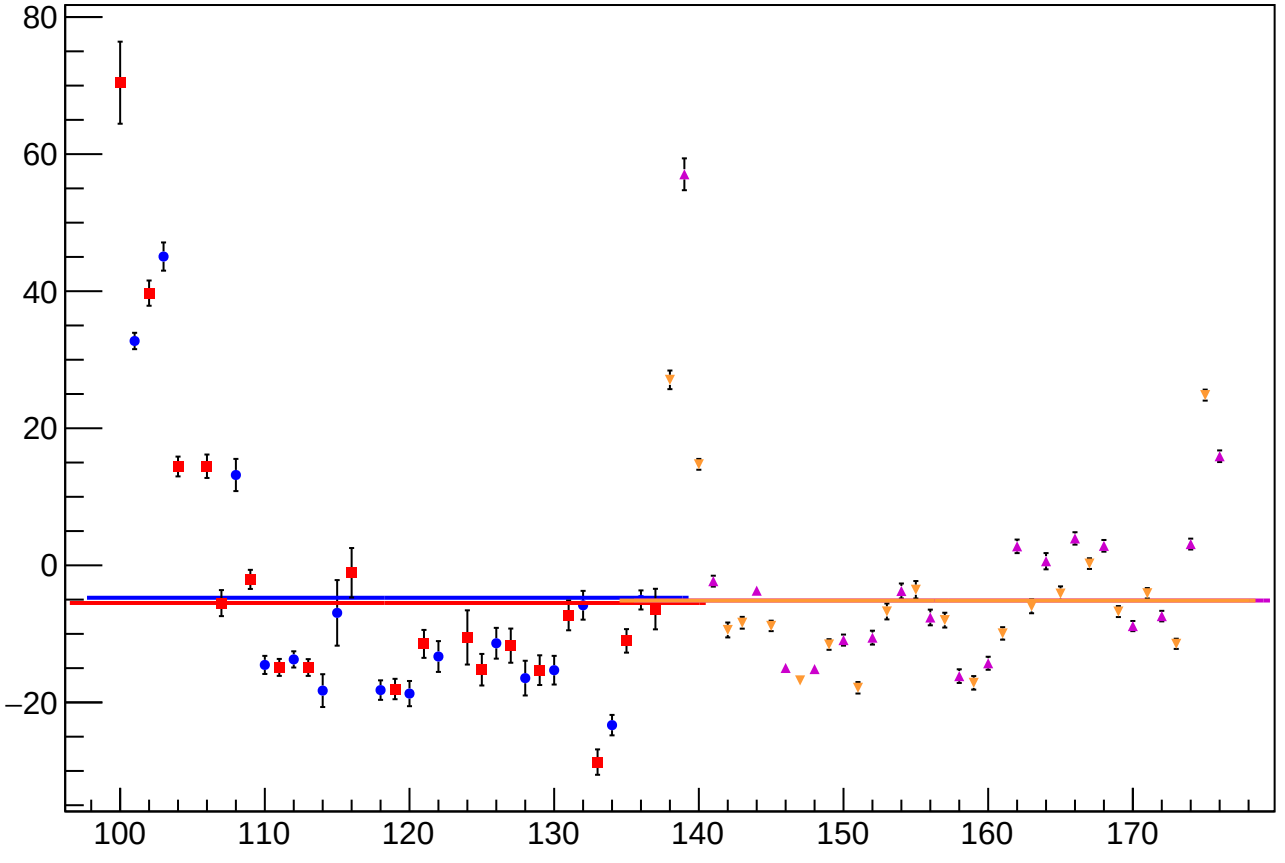
Left In: -33.994+/-0.269 χ^2/NDF:7028.9/18

+ sign -24.601+/-0.219 χ^2/NDF: 15420.1/35

All: -22.950+/-0.152 χ^2/NDF: 29728.6/73

- sign -21.422+/-0.211 χ^2/NDF: 14198.9/37

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -5.143+/-0.195 χ^2/NDF:3596.6/19

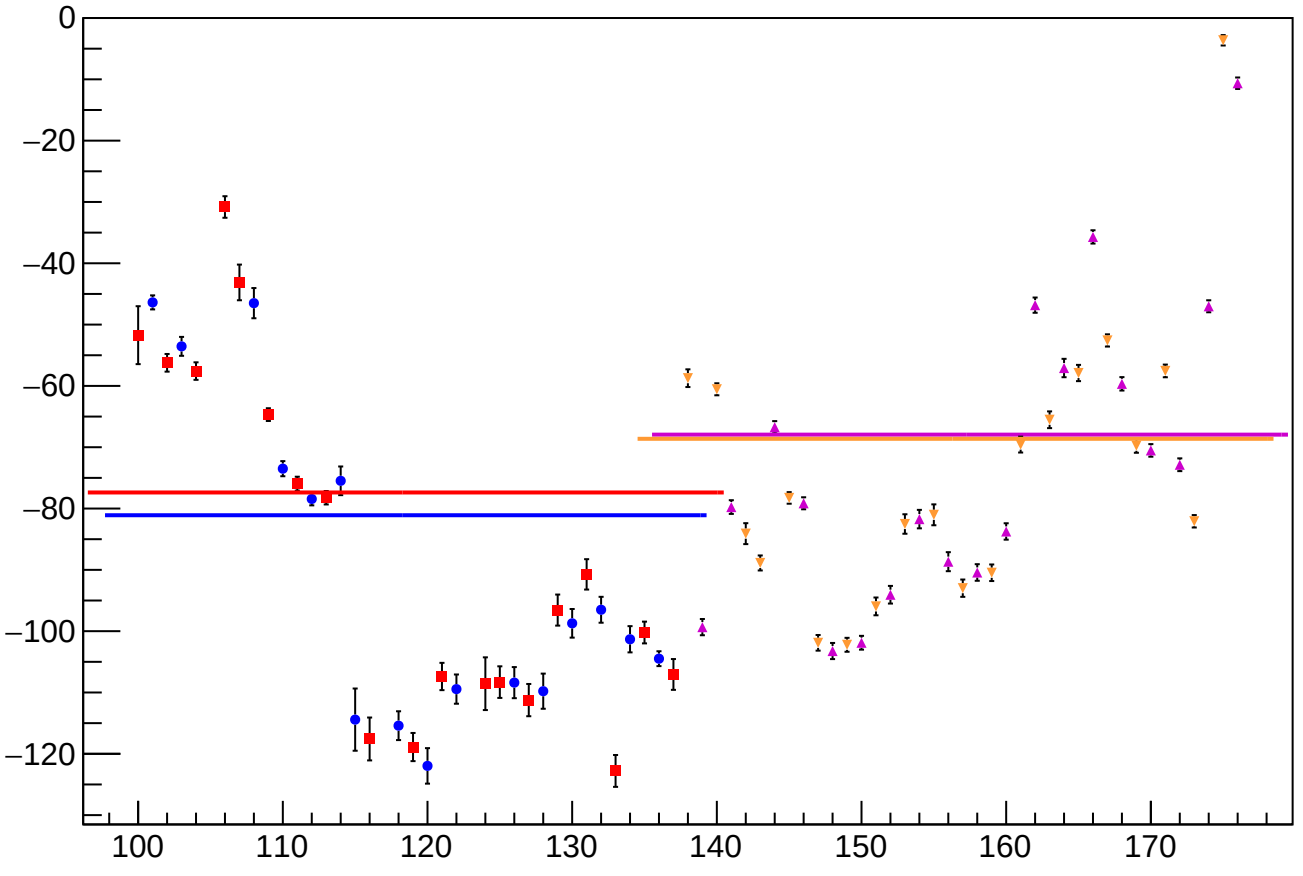
Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -5.133+/-0.197 χ^2/NDF:2546.0/18

+ sign -5.072+/-0.178 χ^2/NDF: 5745.3/35

All: -5.134+/-0.126 χ^2/NDF: 9800.7/73

- sign -5.197+/-0.179 χ^2/NDF: 4055.2/37



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -68.626+/-0.267 χ^2/NDF:9649.3/19

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

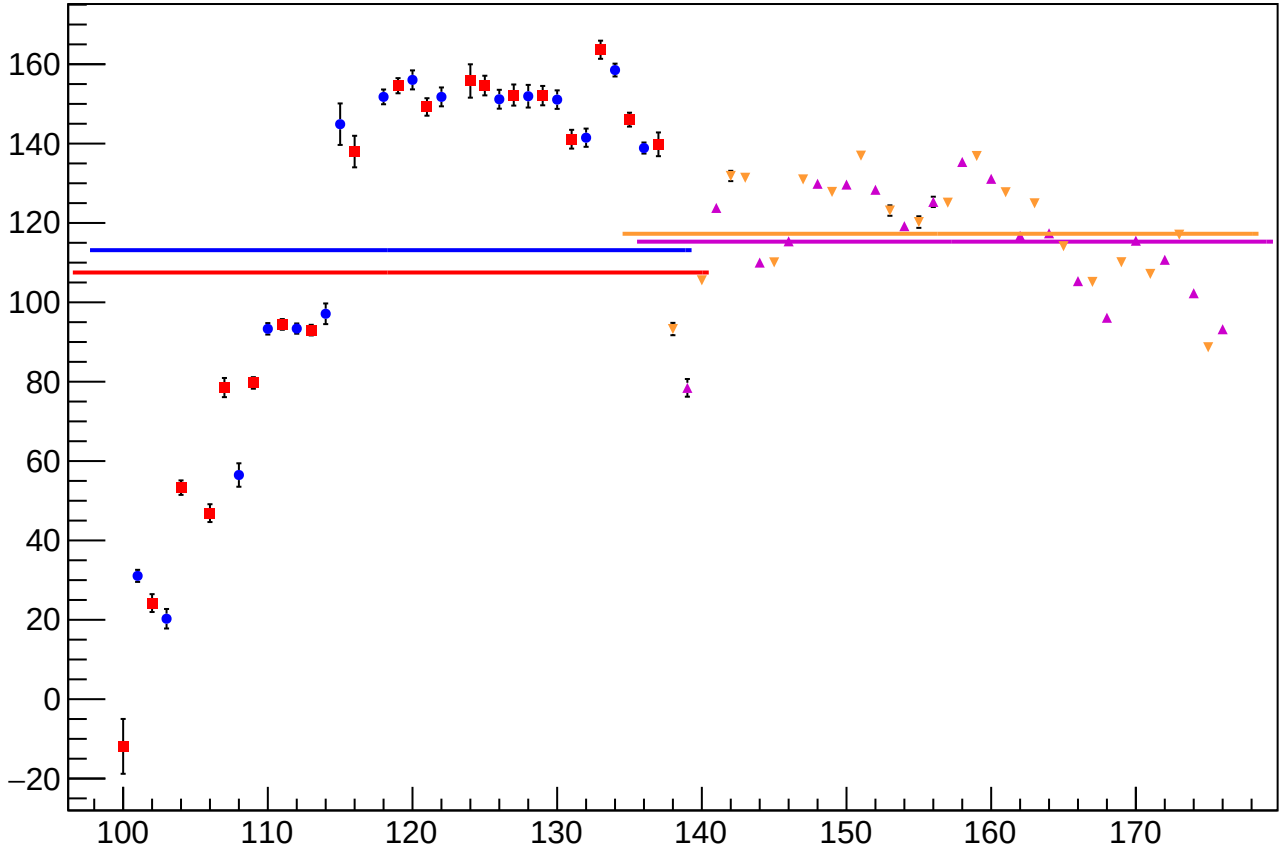
Left In: -67.948+/-0.267 χ^2/NDF:8972.9/18

+ sign -71.994+/-0.228 χ^2/NDF: 13109.7/35

All: -71.330+/-0.160 χ^2/NDF: 25592.4/73

- sign -70.685+/-0.225 χ^2/NDF: 12466.0/37

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 117.276+/-0.223 χ^2/NDF:3663.3/19

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

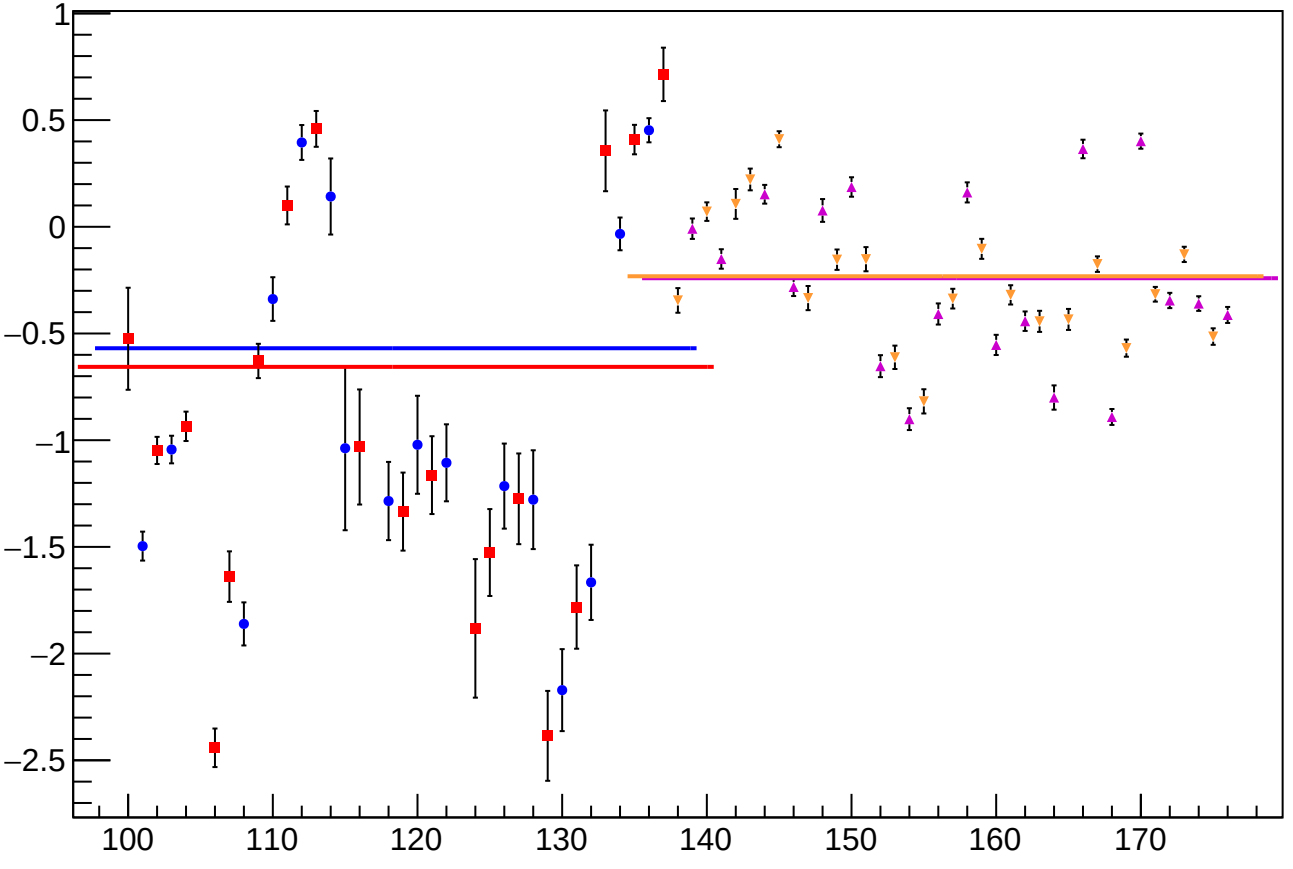
Left In: 115.288+/-0.225 χ^2/NDF:3012.9/18

+ sign 116.566+/-0.203 χ^2/NDF: 11926.5/35

All: 115.232+/-0.144 χ^2/NDF: 22786.0/73

- sign 113.889+/-0.203 χ^2/NDF: 10772.5/37

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.232+/-0.010 χ^2/NDF:804.5/19

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

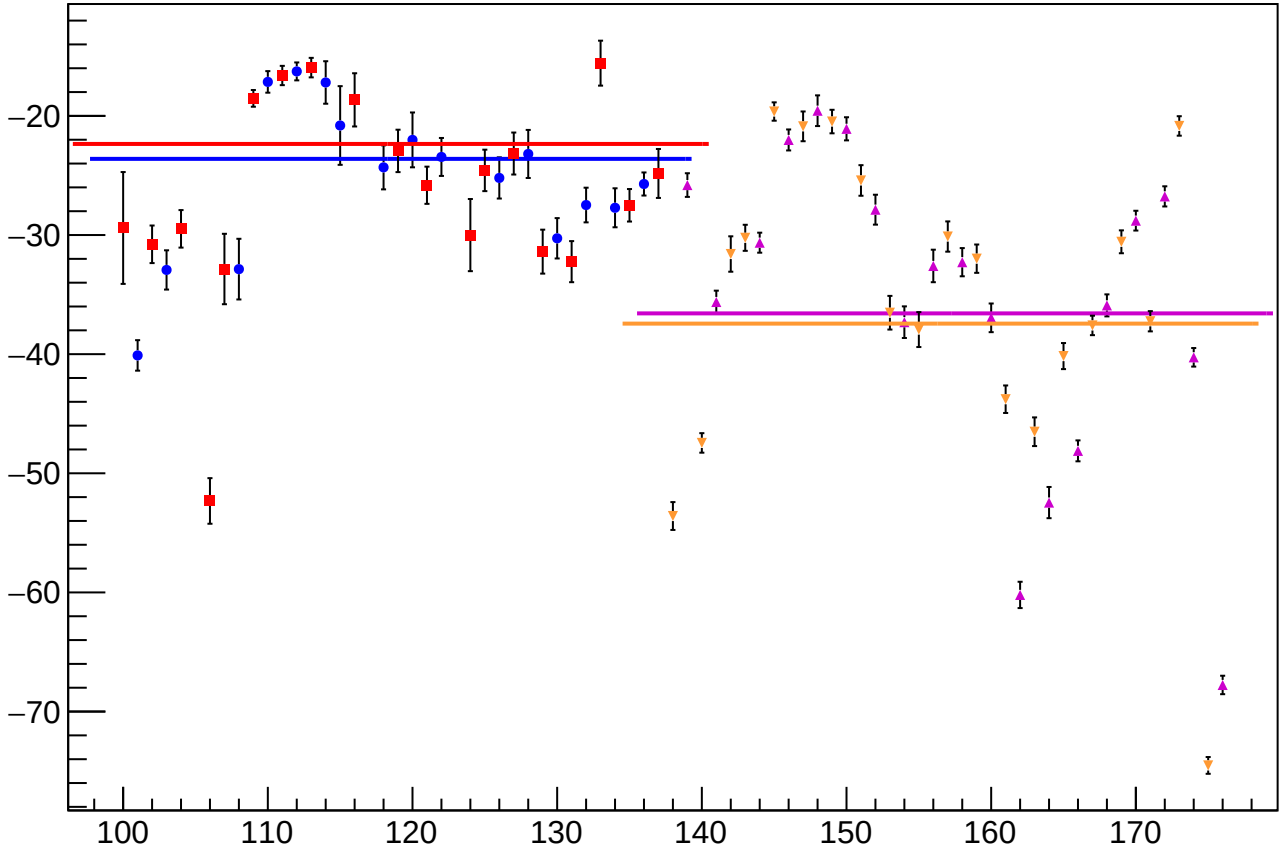
Left In: -0.241+/-0.010 χ^2/NDF:1573.5/18

+ sign -0.277+/-0.009 χ^2/NDF: 2050.1/35

All: -0.287+/-0.007 χ^2/NDF: 5175.9/73

- sign -0.297+/-0.009 χ^2/NDF: 3123.4/37

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -37.436+/-0.226 χ^2/NDF:4881.4/19

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

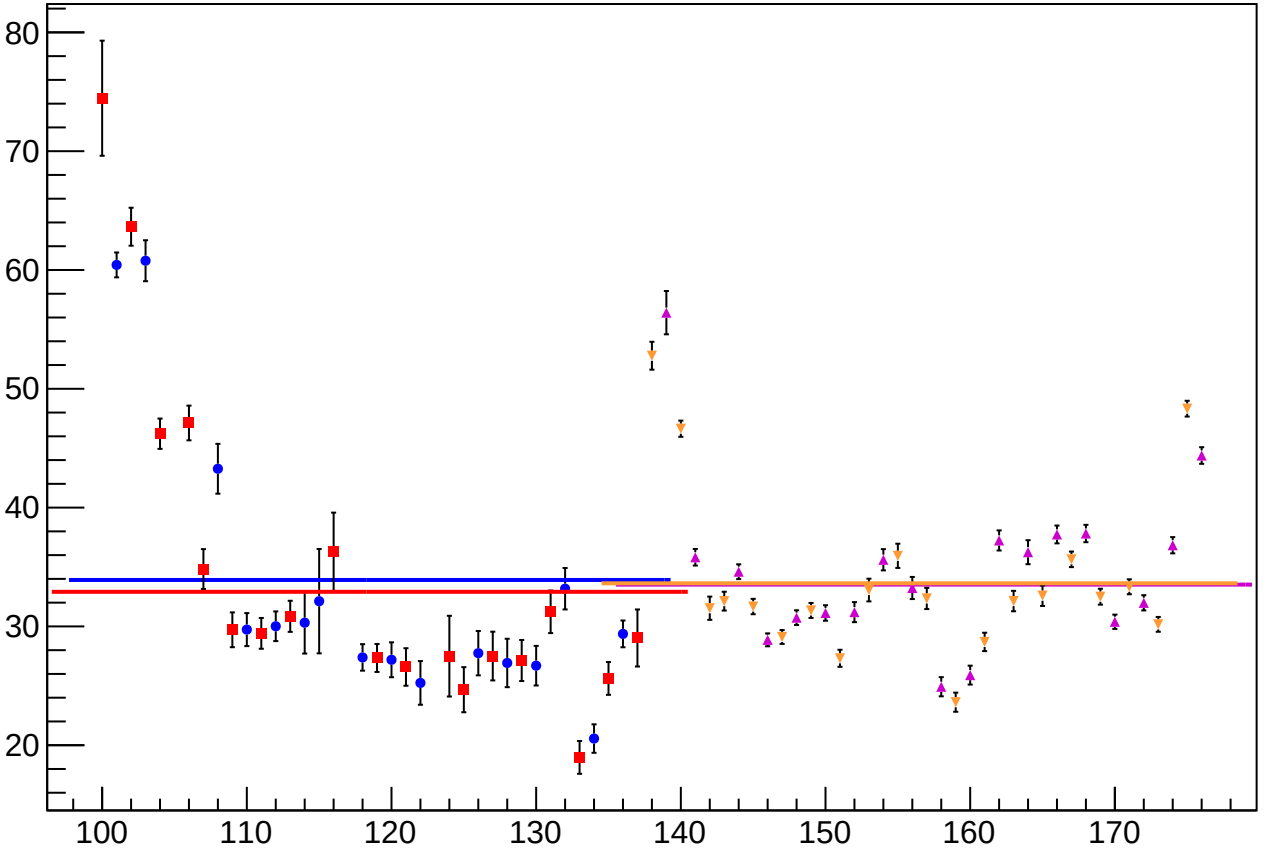
Left In: -36.577+/-0.226 χ^2/NDF:3585.4/18

+ sign -33.331+/-0.190 χ^2/NDF: 6396.4/35

All: -32.592+/-0.132 χ^2/NDF: 11873.4/73

- sign -31.892+/-0.185 χ^2/NDF: 5447.5/37

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.628+/-0.166 χ^2/NDF:1537.2/19

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

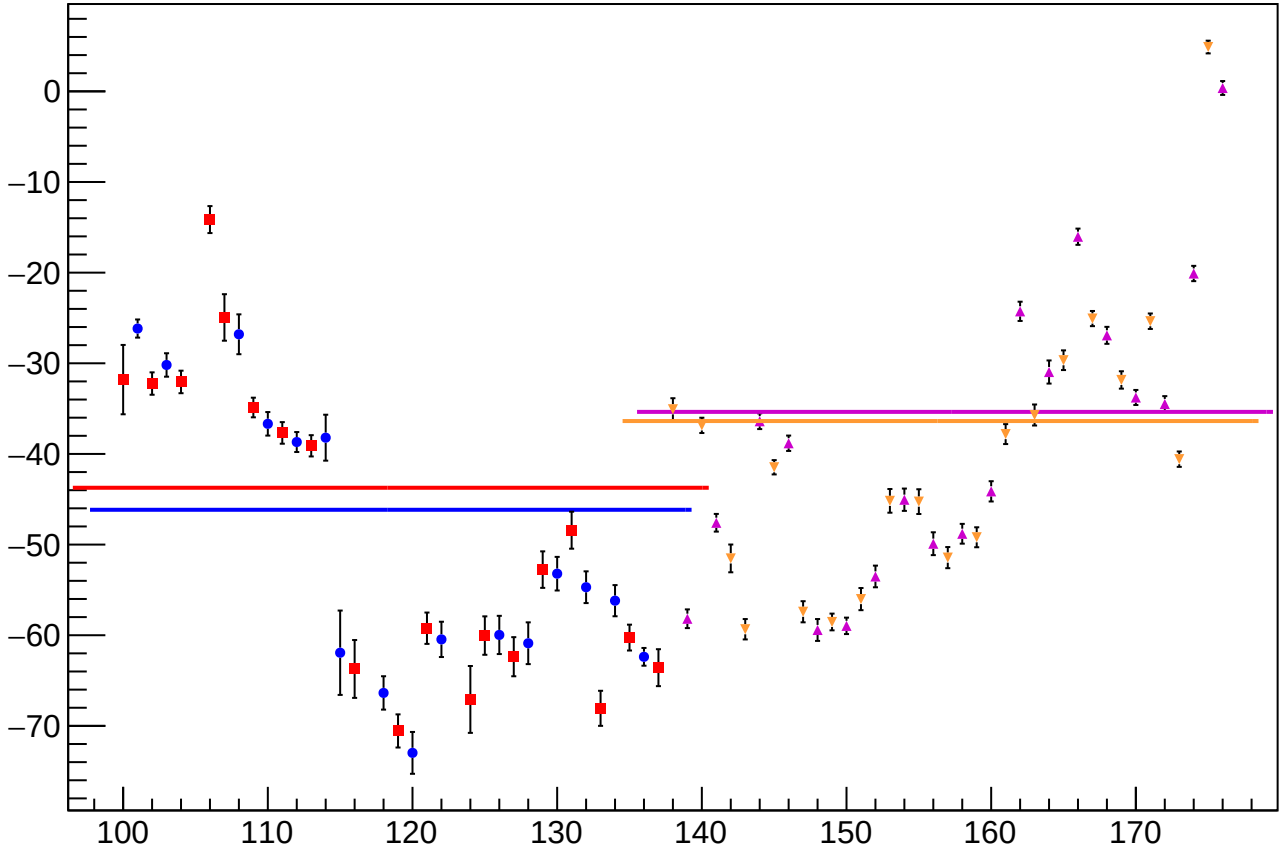
Left In: 33.519+/-0.168 χ^2/NDF:887.8/18

+ sign 33.674+/-0.152 χ^2/NDF: 2722.1/35

All: 33.547+/-0.108 χ^2/NDF: 4488.5/73

- sign 33.417+/-0.153 χ^2/NDF: 1765.0/37

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -36.372+/-0.224 χ^2/NDF:5995.1/19

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

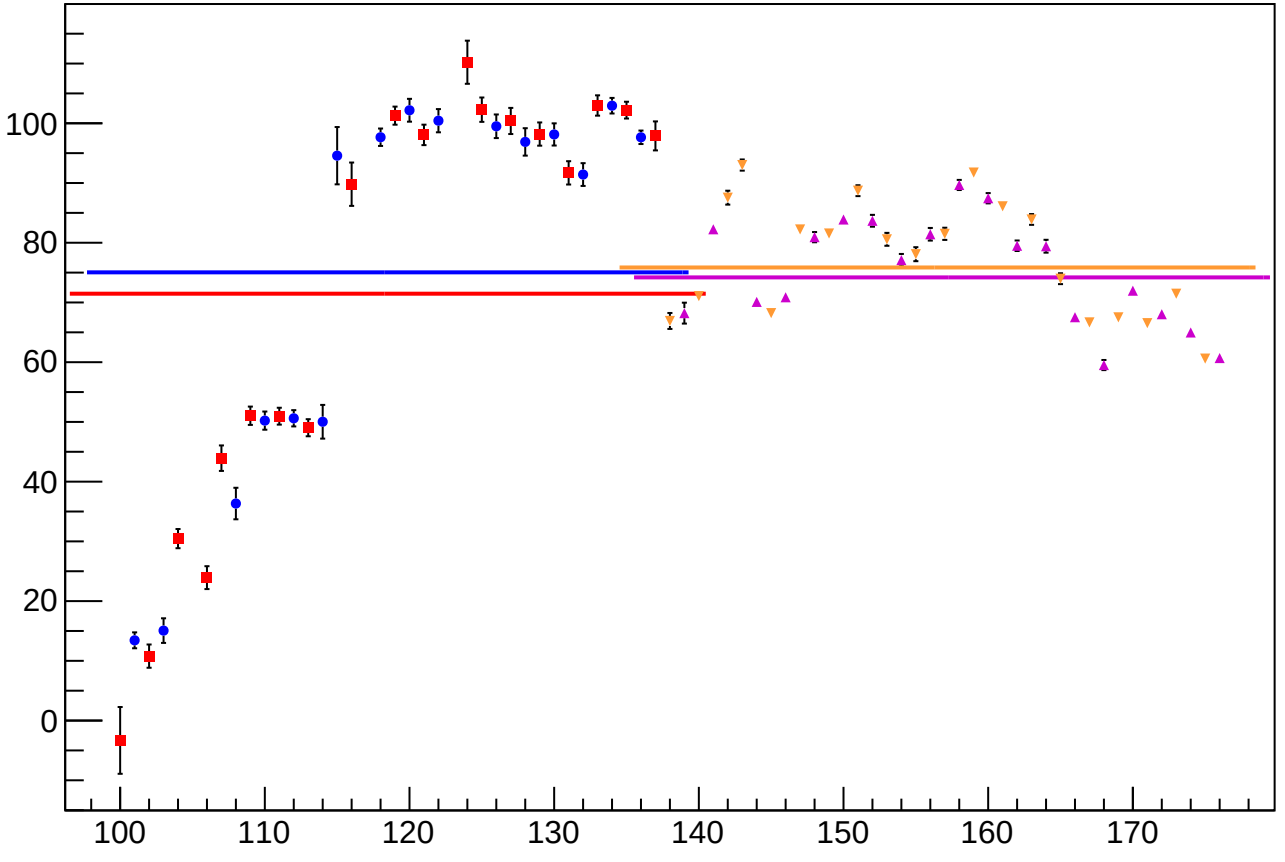
Left In: -35.360+/-0.223 χ^2/NDF:5560.5/18

+ sign -38.806+/-0.194 χ^2/NDF: 7958.5/35

All: -38.158+/-0.137 χ^2/NDF: 15567.3/73

- sign -37.525+/-0.192 χ^2/NDF: 7586.8/37

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 75.859+/-0.188 χ^2/NDF:2579.3/19

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

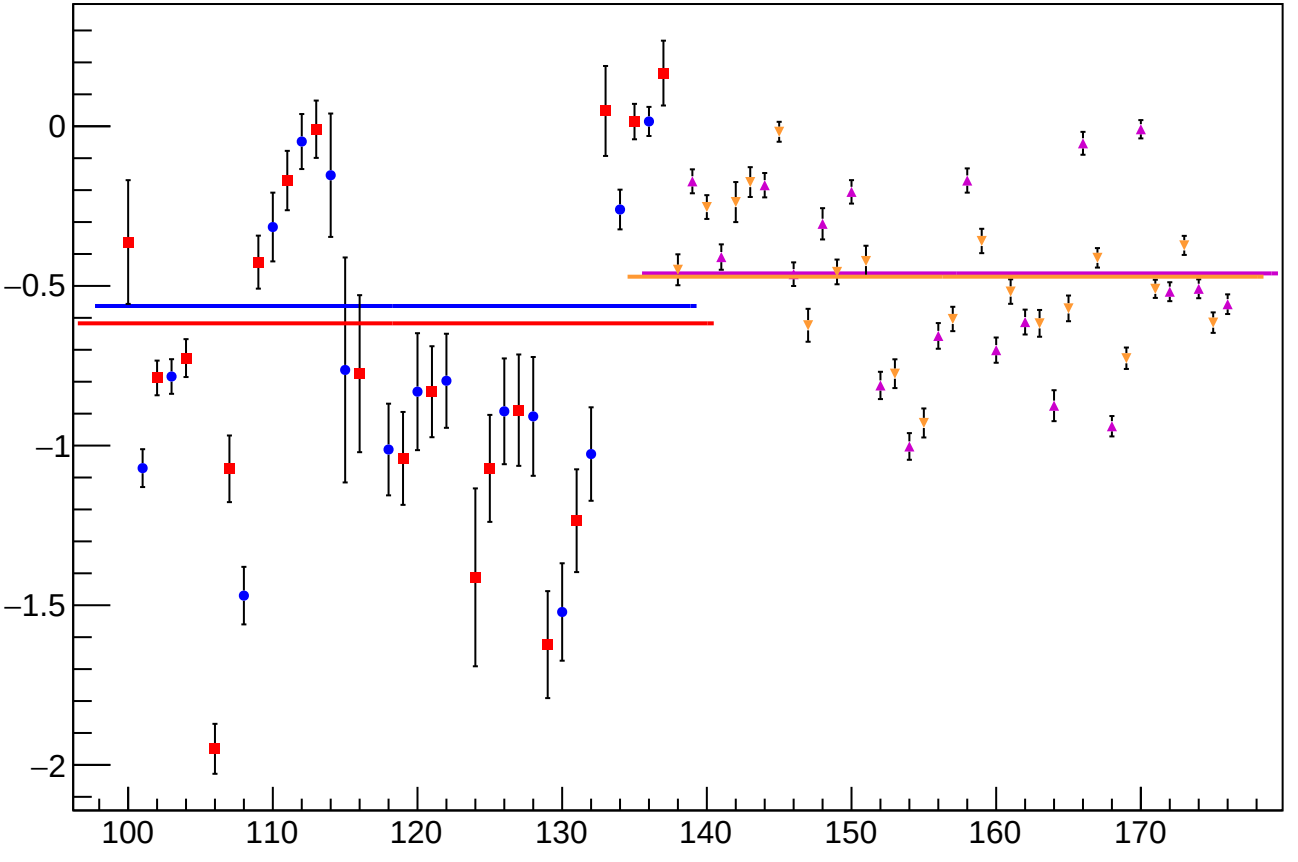
Left In: 74.197+/-0.190 χ^2/NDF:2113.7/18

+ sign 75.726+/-0.172 χ^2/NDF: 8410.6/35

All: 74.741+/-0.122 χ^2/NDF: 16252.5/73

- sign 73.745+/-0.173 χ^2/NDF: 7776.2/37

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.471+/-0.008 χ^2/NDF:591.8/19

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

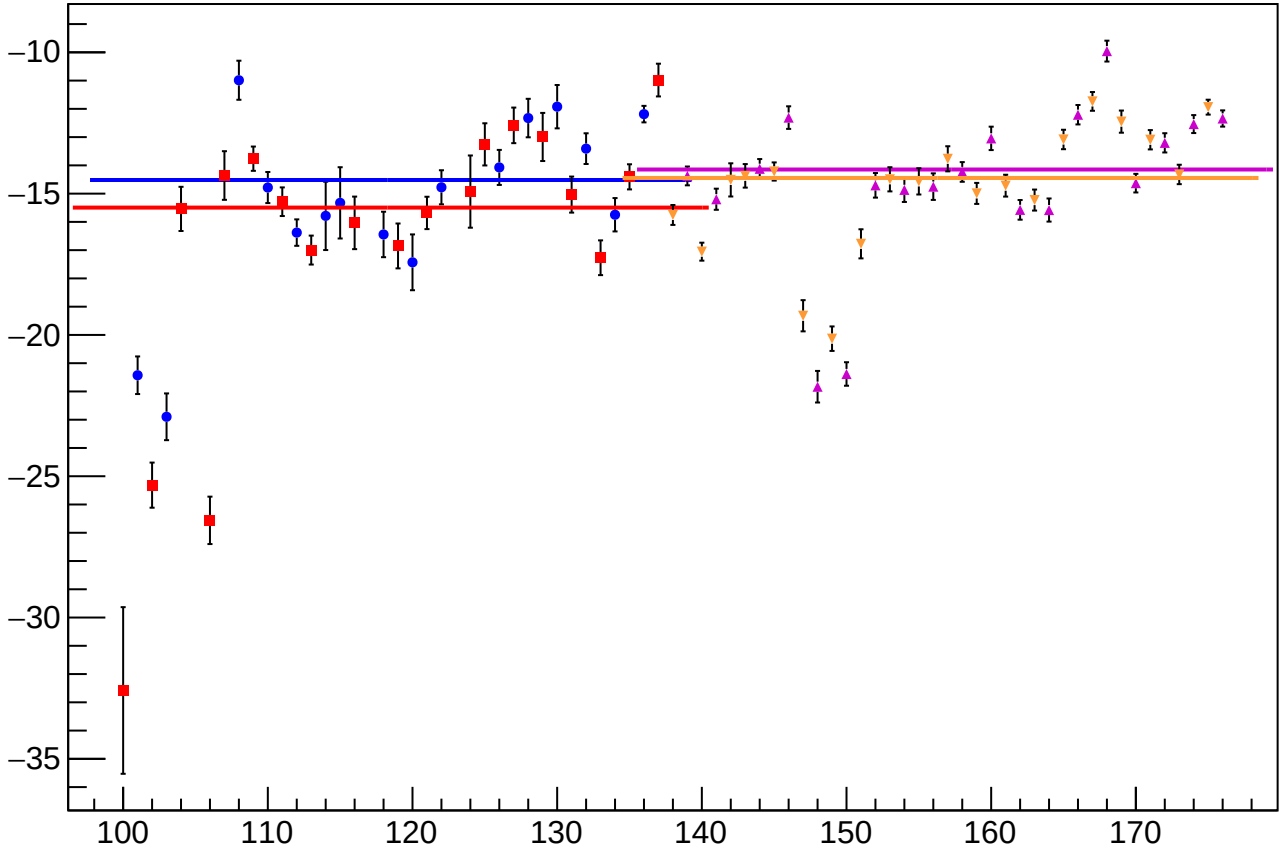
Left In: -0.461+/-0.008 χ^2/NDF:1233.5/18

+ sign -0.483+/-0.008 χ^2/NDF: 1099.7/35

All: -0.481+/-0.006 χ^2/NDF: 3066.7/73

- sign -0.480+/-0.008 χ^2/NDF: 1967.0/37

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.446+/-0.084 χ^2/NDF:576.2/19

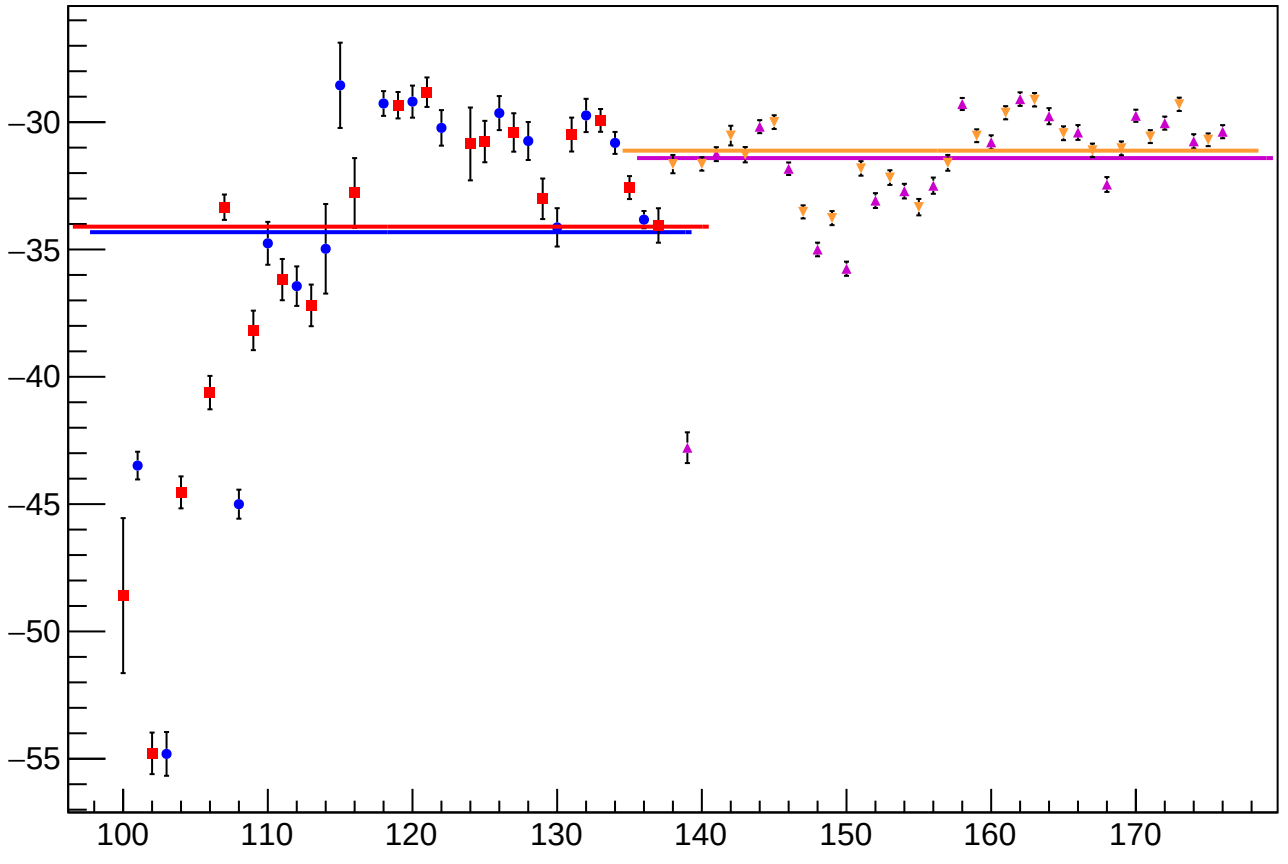
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.146+/-0.085 χ^2/NDF:799.2/18

+ sign -14.463+/-0.073 χ^2/NDF: 939.7/35

All: -14.468+/-0.052 χ^2/NDF: 2304.0/73

- sign -14.473+/-0.074 χ^2/NDF: 1364.3/37



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.119+/-0.062 χ^2/NDF:431.1/19

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

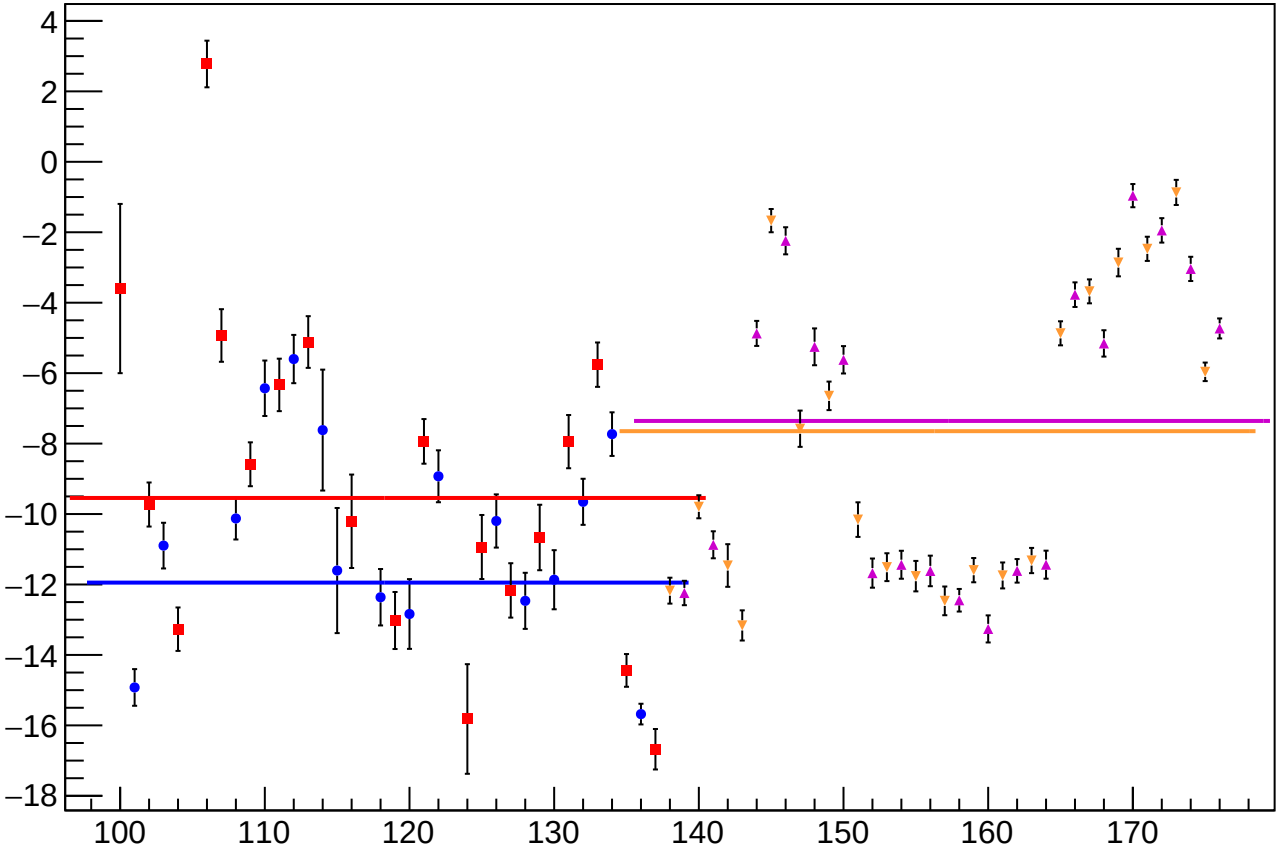
Left In: -31.411+/-0.064 χ^2/NDF:1175.7/18

+ sign -31.573+/-0.058 χ^2/NDF: 2426.2/35

All: -31.686+/-0.041 χ^2/NDF: 5305.3/73

- sign -31.803+/-0.059 χ^2/NDF: 2871.3/37

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: -7.647+/-0.083 χ^2/NDF:2428.0/19

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

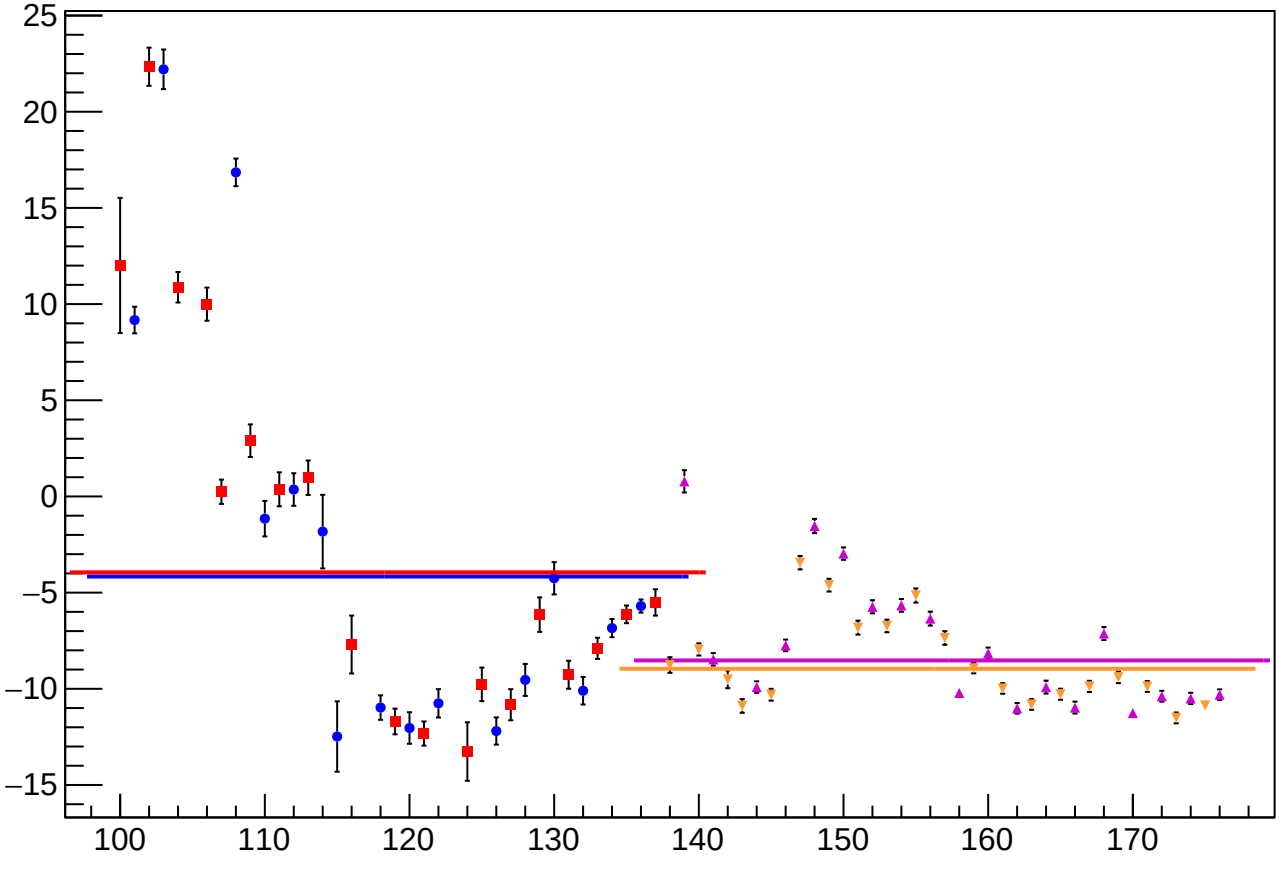
Left In: -7.357+/-0.084 χ^2/NDF:2612.8/18

+ sign -8.563+/-0.074 χ^2/NDF: 3425.2/35

All: -8.187+/-0.053 χ^2/NDF: 7077.0/73

- sign -7.803+/-0.075 χ^2/NDF: 3599.4/37

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.958+/-0.070 χ^2/NDF:922.6/19

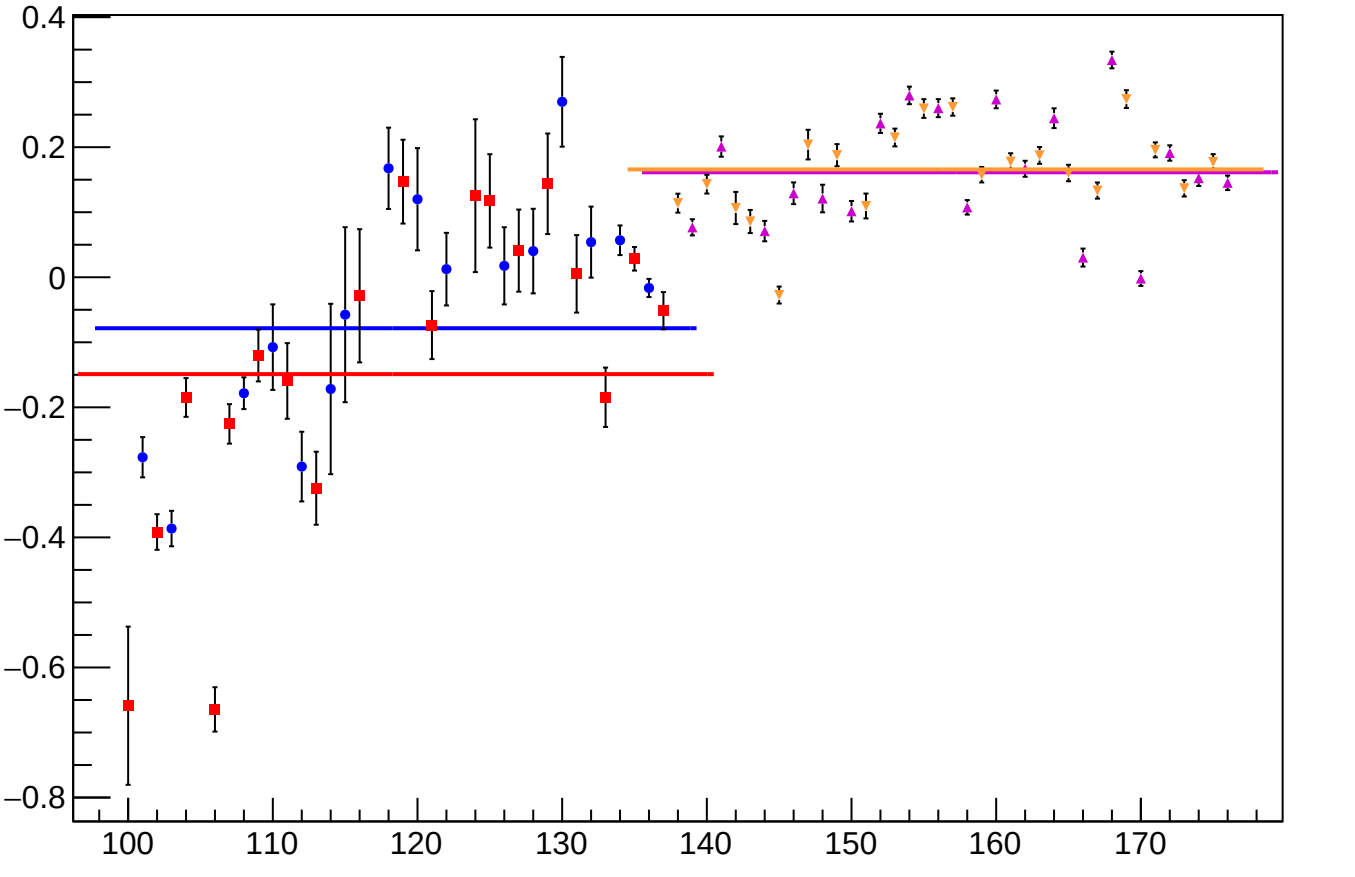
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.524+/-0.071 χ^2/NDF:1579.5/18

+ sign -8.274+/-0.065 χ^2/NDF: 4114.4/35

All: -8.080+/-0.046 χ^2/NDF: 8403.3/73

- sign -7.880+/-0.066 χ^2/NDF: 4270.7/37



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.166+/-0.003 χ^2/NDF:467.1/19

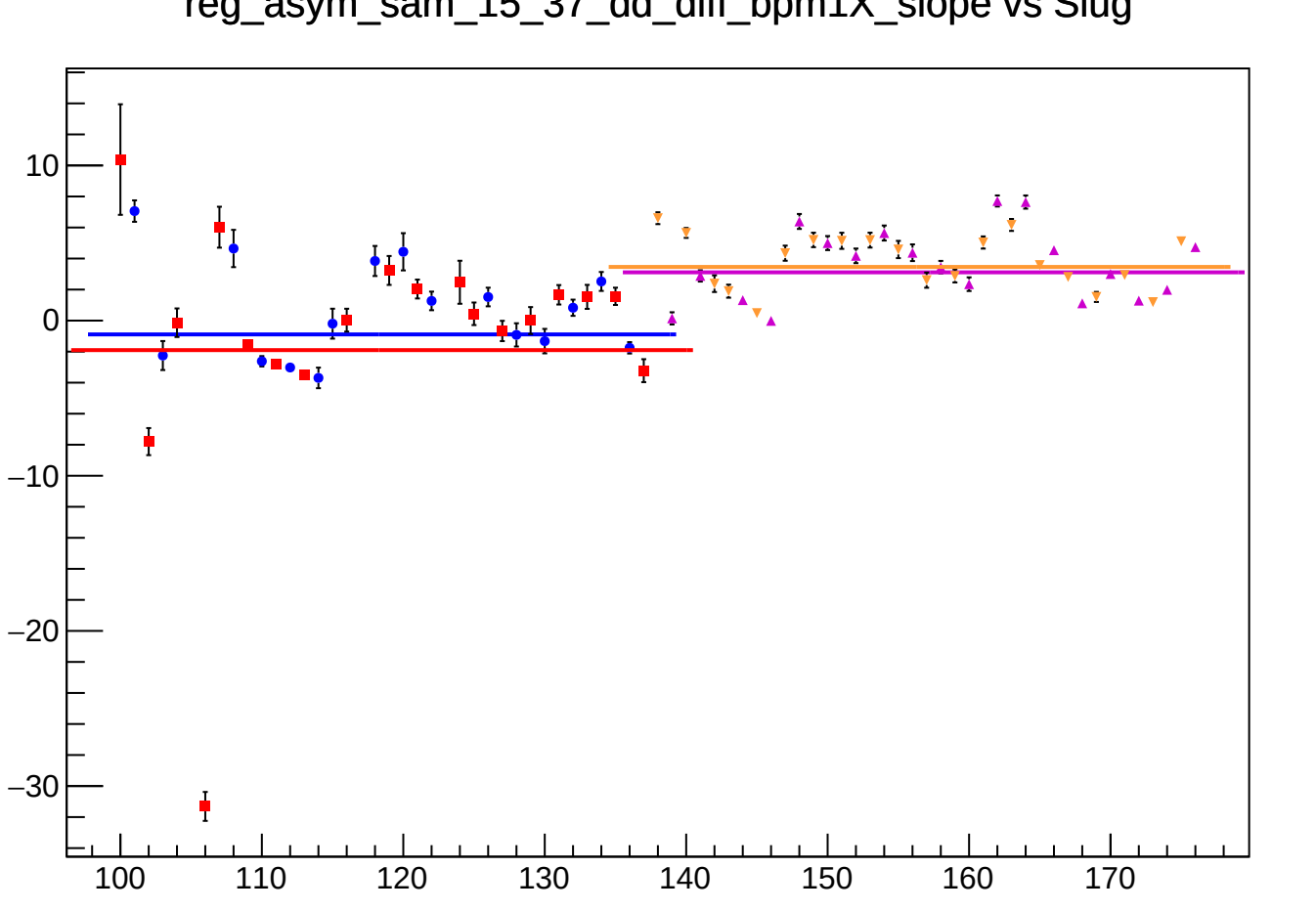
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.161+/-0.003 χ^2/NDF:869.5/18

+ sign 0.137+/-0.003 χ^2/NDF: 1502.3/35

All: 0.133+/-0.002 χ^2/NDF: 3948.8/73

- sign 0.129+/-0.003 χ^2/NDF: 2442.9/37



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.459+/-0.078 χ^2/NDF:558.7/19

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

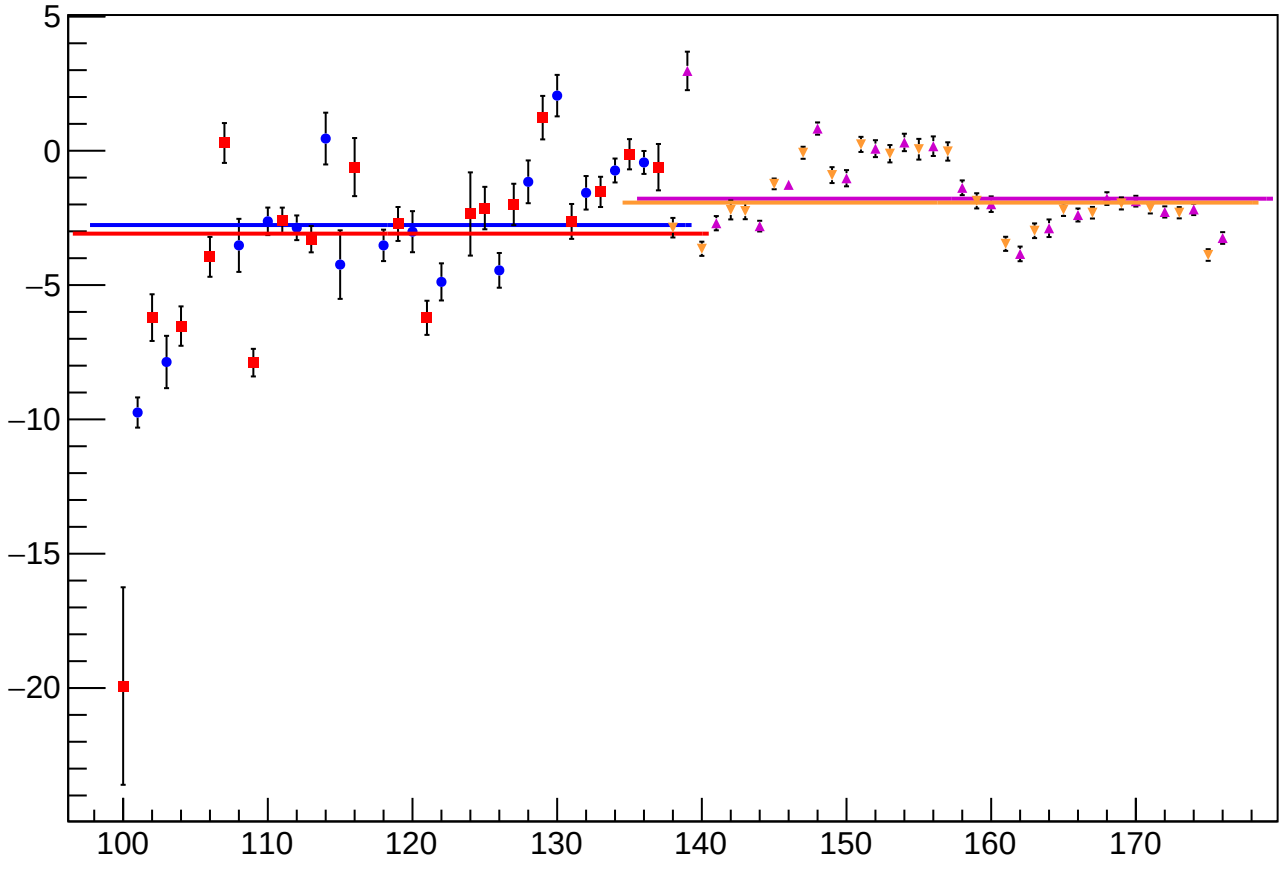
Left In: 3.111+/-0.077 χ^2/NDF:769.8/18

+ sign 2.386+/-0.068 χ^2/NDF: 1702.4/35

All: 2.074+/-0.047 χ^2/NDF: 4964.9/73

- sign 1.776+/-0.066 χ^2/NDF: 3221.1/37

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: -1.931+/-0.058 χ^2/NDF:429.8/19

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

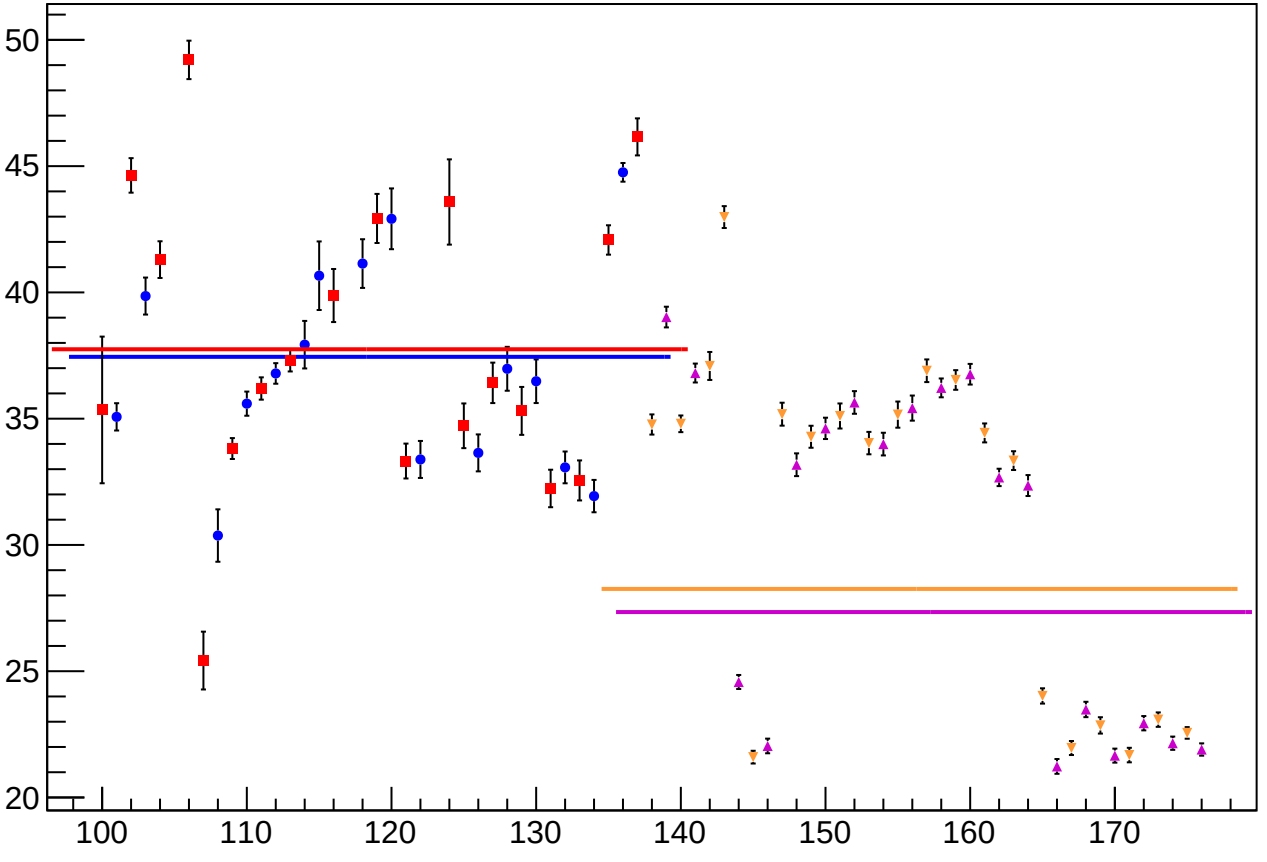
Left In: -1.785+/-0.057 χ^2/NDF:465.0/18

+ sign -2.031+/-0.054 χ^2/NDF: 765.0/35

All: -1.984+/-0.038 χ^2/NDF: 1564.2/73

- sign -1.937+/-0.054 χ^2/NDF: 797.7/37

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: 28.258+/-0.078 χ^2/NDF:7459.9/19

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

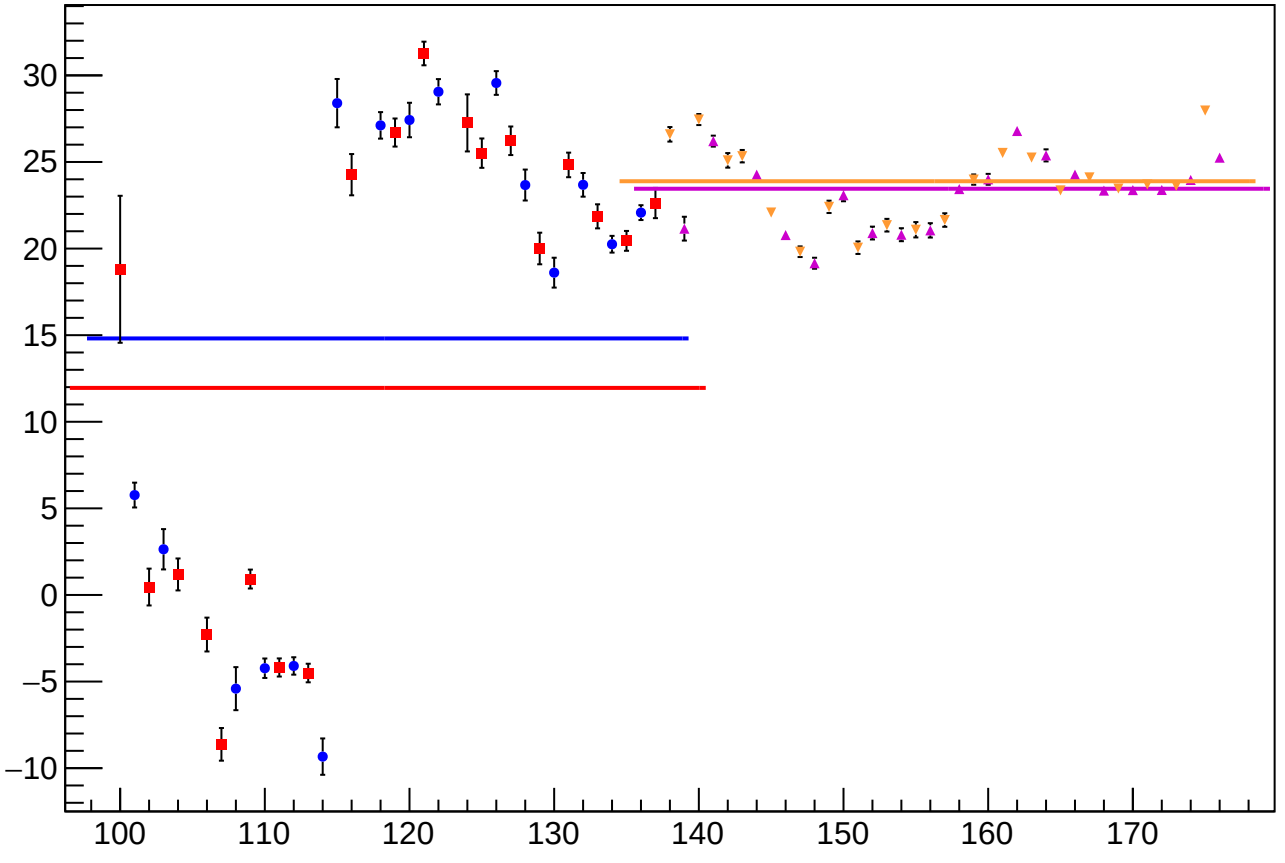
Left In: 27.343+/-0.077 χ^2/NDF:6804.9/18

+ sign 30.003+/-0.070 χ^2/NDF: 10816.0/35

All: 29.651+/-0.049 χ^2/NDF: 22091.5/73

- sign 29.307+/-0.069 χ^2/NDF: 11225.5/37

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: 23.888+/-0.065 χ^2/NDF:1068.9/19

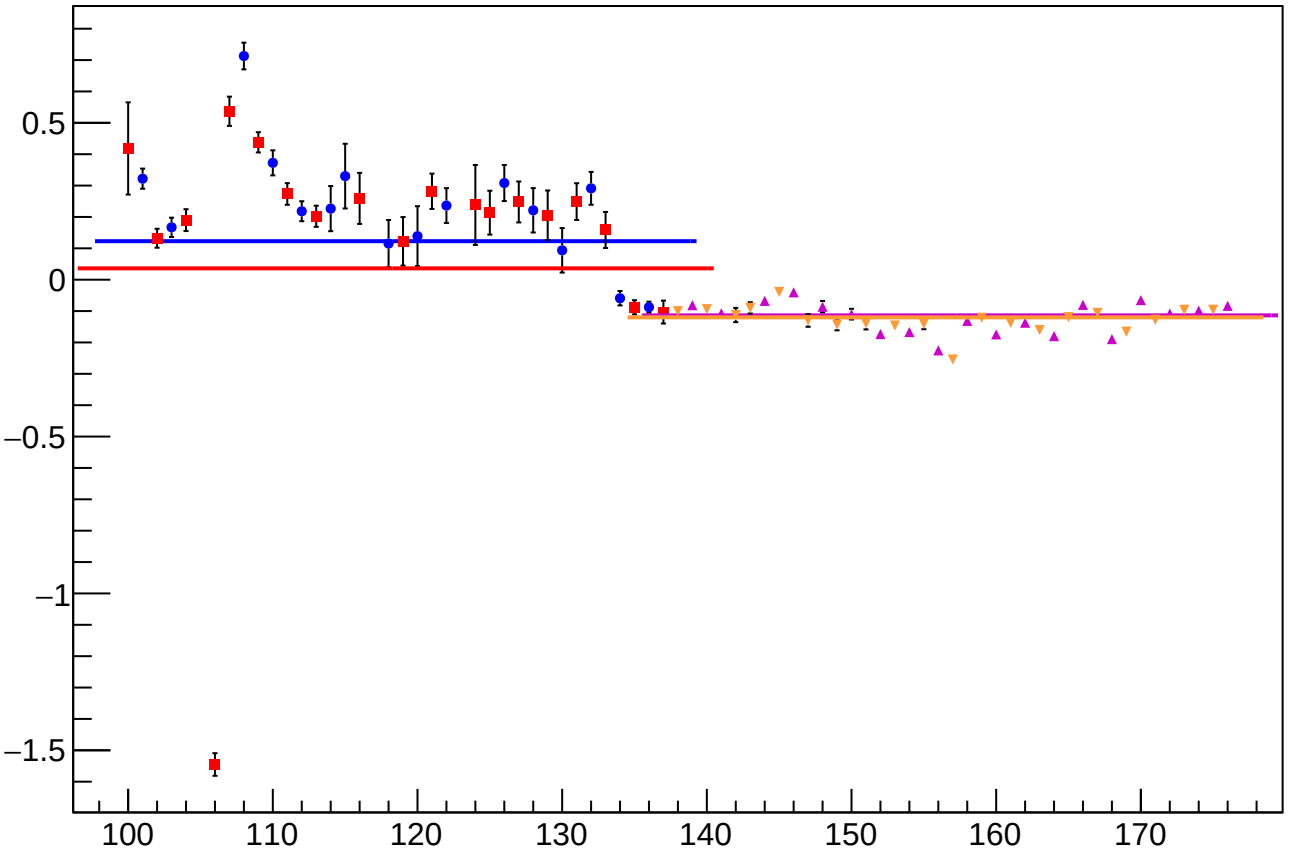
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.454+/-0.065 χ^2/NDF:805.4/18

+ sign 22.774+/-0.061 χ^2/NDF: 9145.6/35

All: 22.434+/-0.043 χ^2/NDF: 19848.4/73

- sign 22.096+/-0.061 χ^2/NDF: 10640.6/37



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.120+/-0.003 χ^2/NDF:204.9/19

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

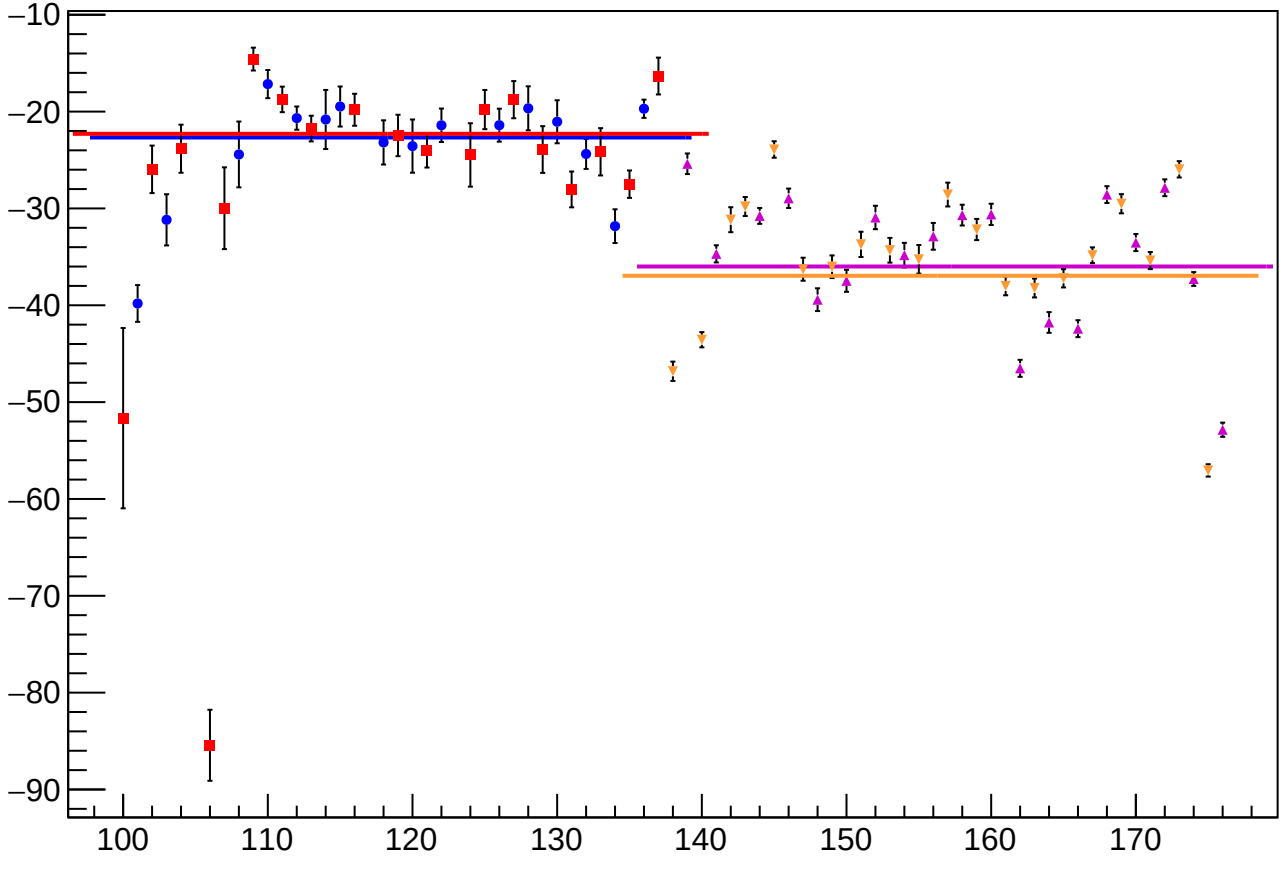
Left In: -0.114+/-0.003 χ^2/NDF:271.6/18

+ sign -0.099+/-0.003 χ^2/NDF: 1331.8/35

All: -0.100+/-0.002 χ^2/NDF: 4235.1/73

- sign -0.102+/-0.003 χ^2/NDF: 2902.6/37

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: -36.955+/-0.217 χ^2/NDF:1780.2/19

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

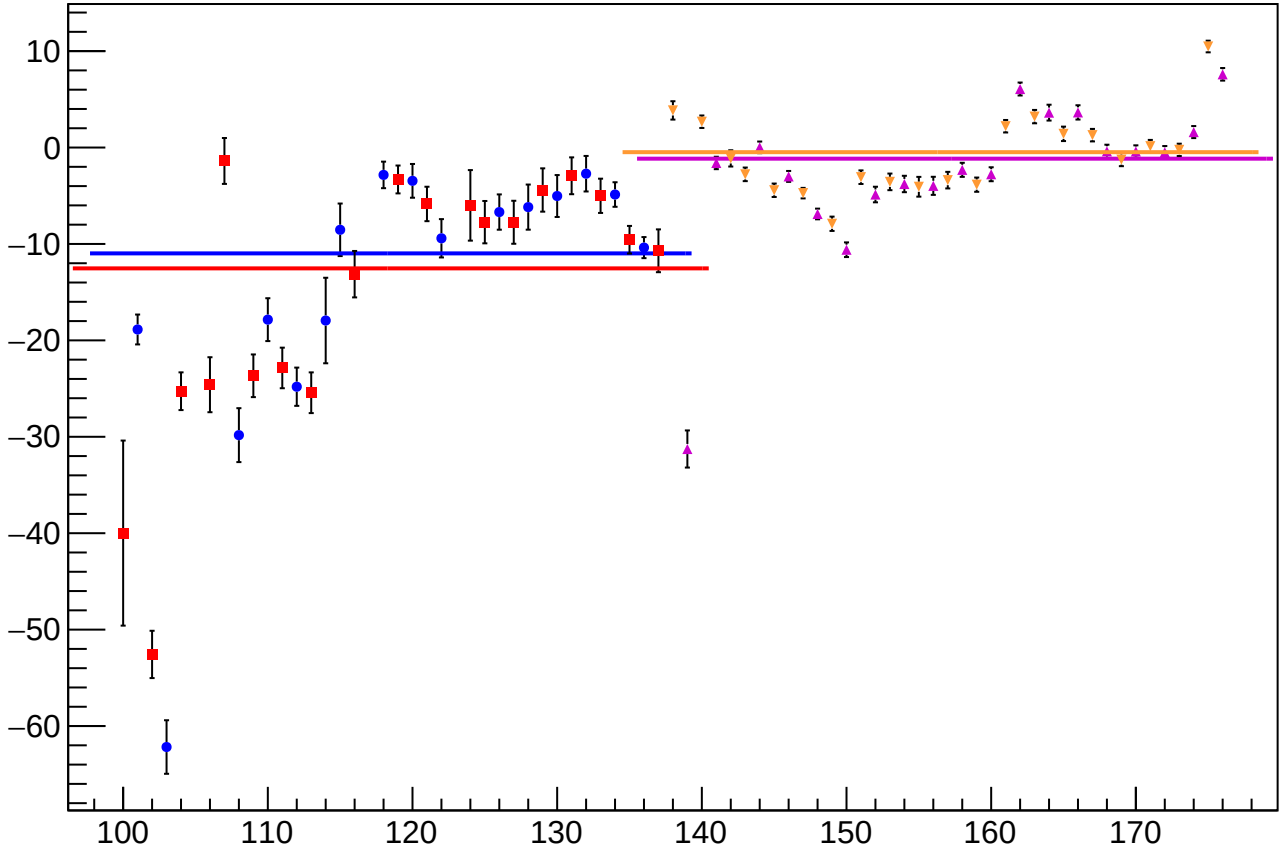
Left In: -35.996+/-0.219 χ^2/NDF:1199.8/18

+ sign -34.096+/-0.194 χ^2/NDF: 2798.4/35

All: -33.666+/-0.138 χ^2/NDF: 5204.8/73

- sign -33.232+/-0.195 χ^2/NDF: 2396.6/37

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -0.480+/-0.158 χ^2/NDF:708.9/19

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

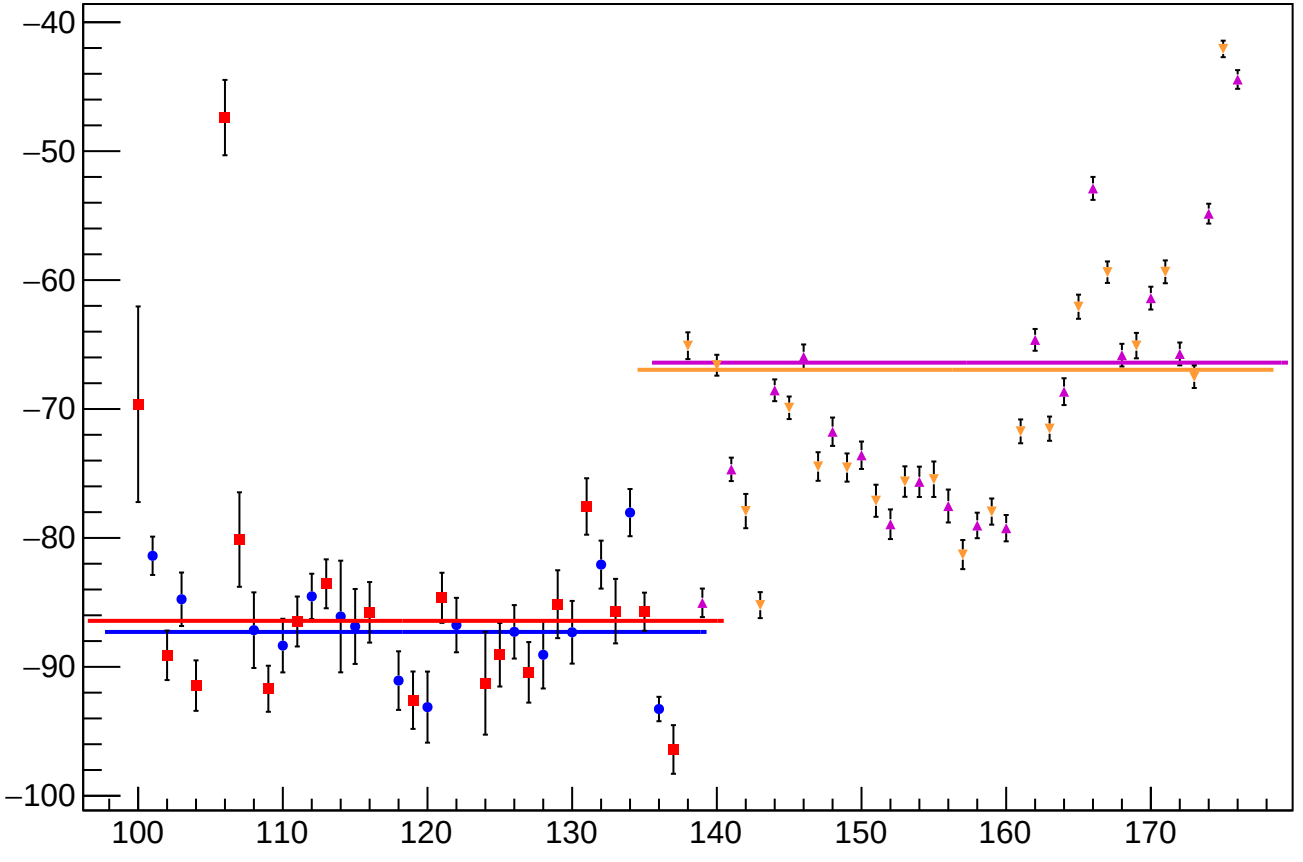
Left In: -1.156+/-0.161 χ^2/NDF:961.6/18

+ sign -1.621+/-0.149 χ^2/NDF: 1774.1/35

All: -1.952+/-0.107 χ^2/NDF: 3821.3/73

- sign -2.297+/-0.152 χ^2/NDF: 2037.1/37

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -66.957+/-0.215 χ^2/NDF:2692.0/19

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

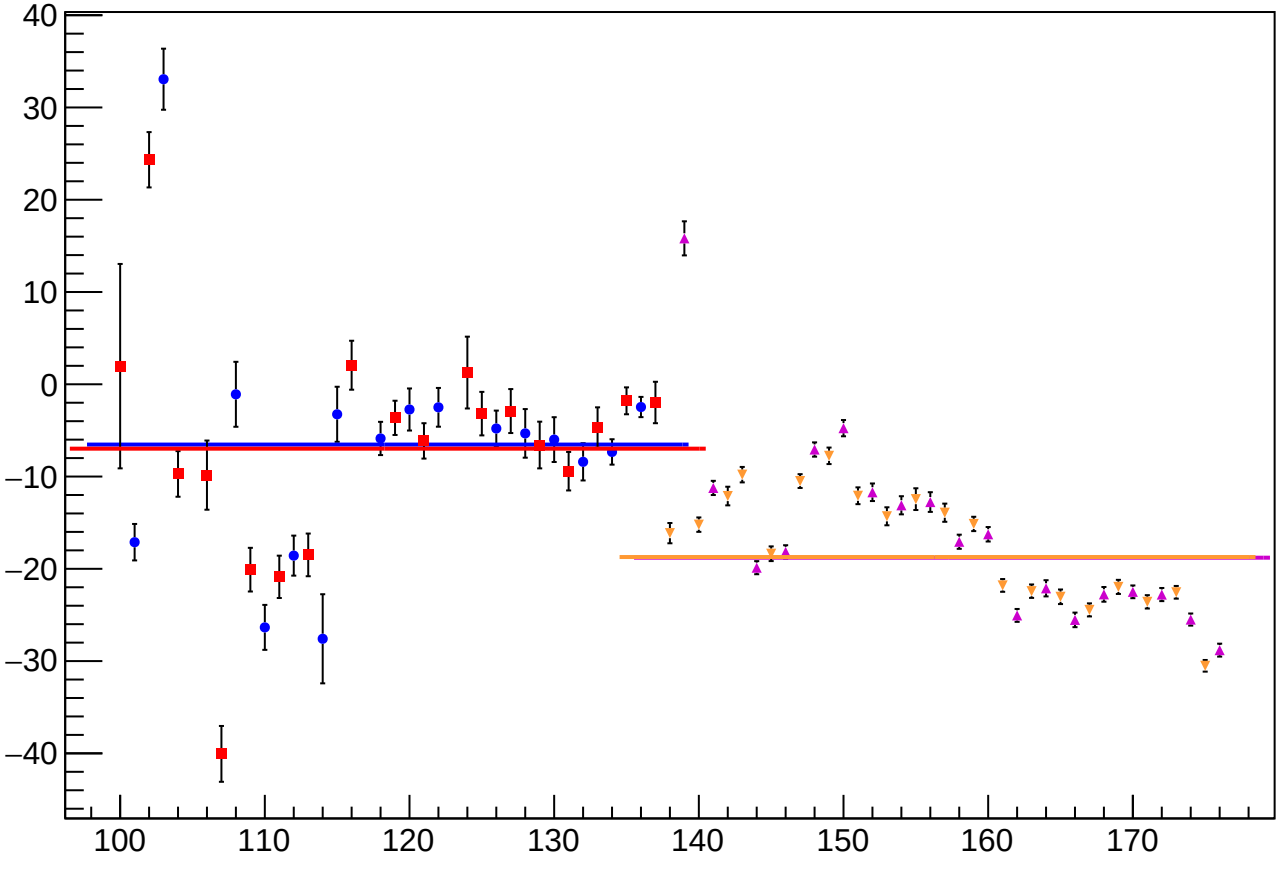
Left In: -66.404+/-0.217 χ^2/NDF:2433.5/18

+ sign -70.360+/-0.197 χ^2/NDF: 4283.7/35

All: -69.939+/-0.140 χ^2/NDF: 8315.4/73

- sign -69.507+/-0.199 χ^2/NDF: 4022.4/37

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -18.724+/-0.180 χ^2/NDF:1183.3/19

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

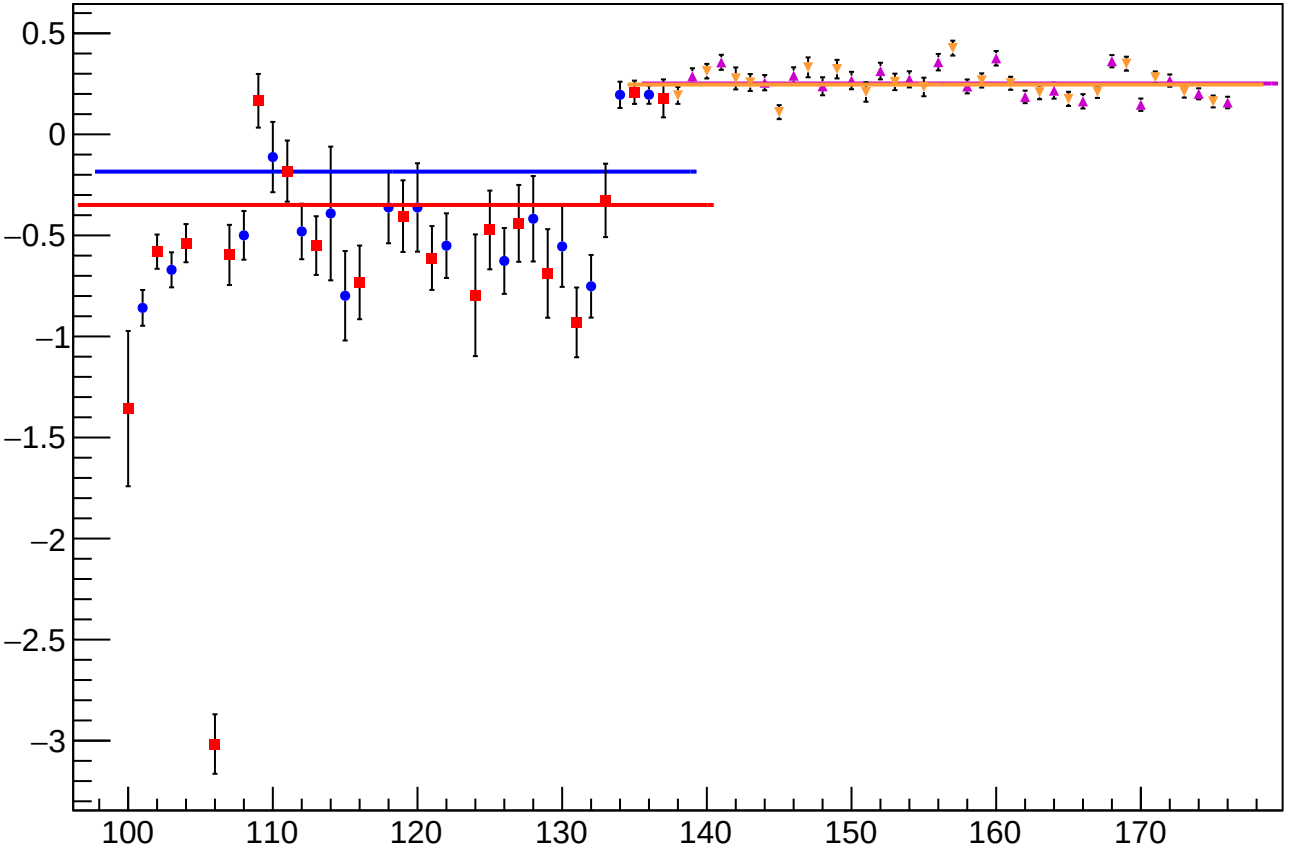
Left In: -18.795+/-0.182 χ^2/NDF:1632.1/18

\+ sign -17.366+/-0.169 χ^2/NDF: 2009.1/35

All: -17.478+/-0.121 χ^2/NDF: 4437.8/73

\- sign -17.594+/-0.173 χ^2/NDF: 2427.9/37

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: 0.246+/-0.008 χ^2/NDF:78.0/19

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

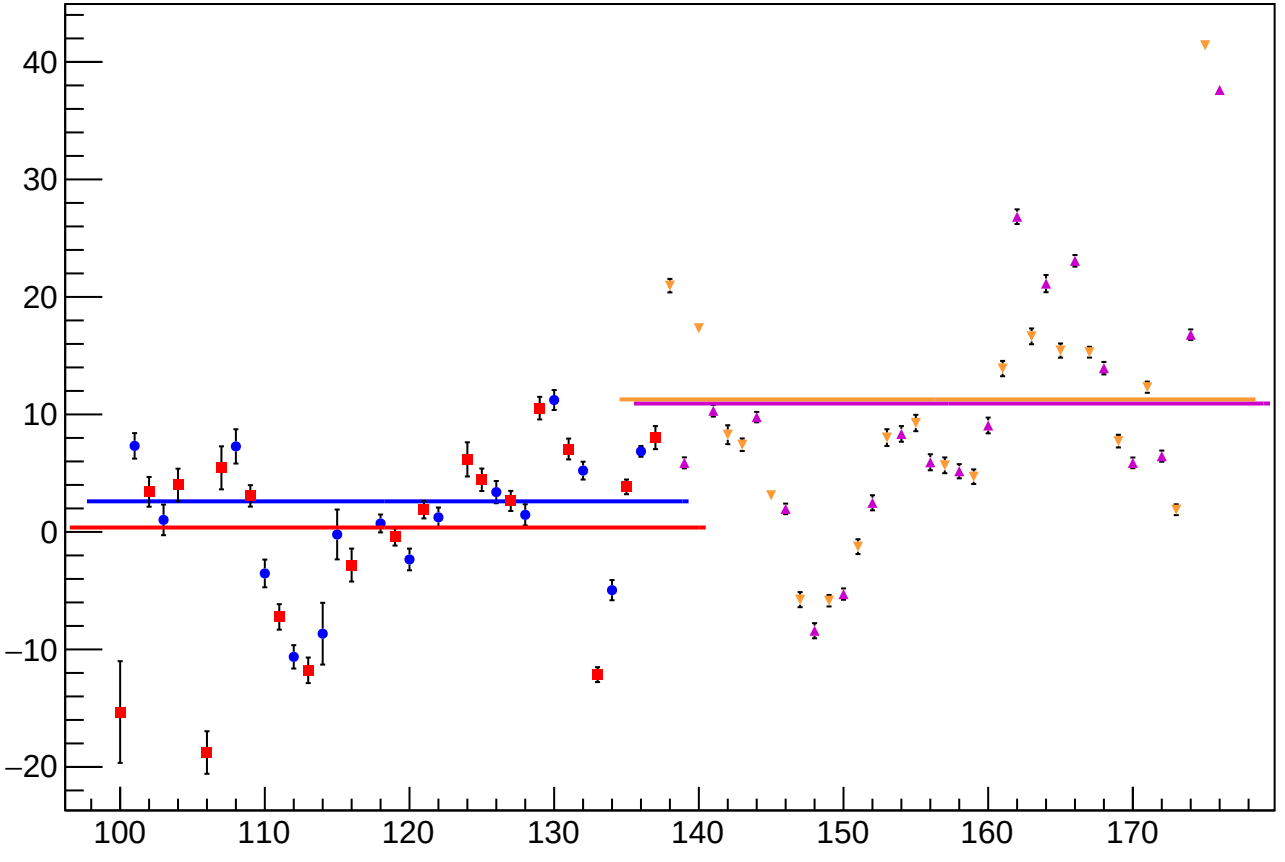
Left In: 0.252+/-0.008 χ^2/NDF:82.2/18

+ sign 0.210+/-0.008 χ^2/NDF: 562.1/35

All: 0.209+/-0.006 χ^2/NDF: 1551.5/73

- sign 0.209+/-0.008 χ^2/NDF: 989.4/37

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: 11.279+/-0.120 χ^2/NDF:9986.5/19

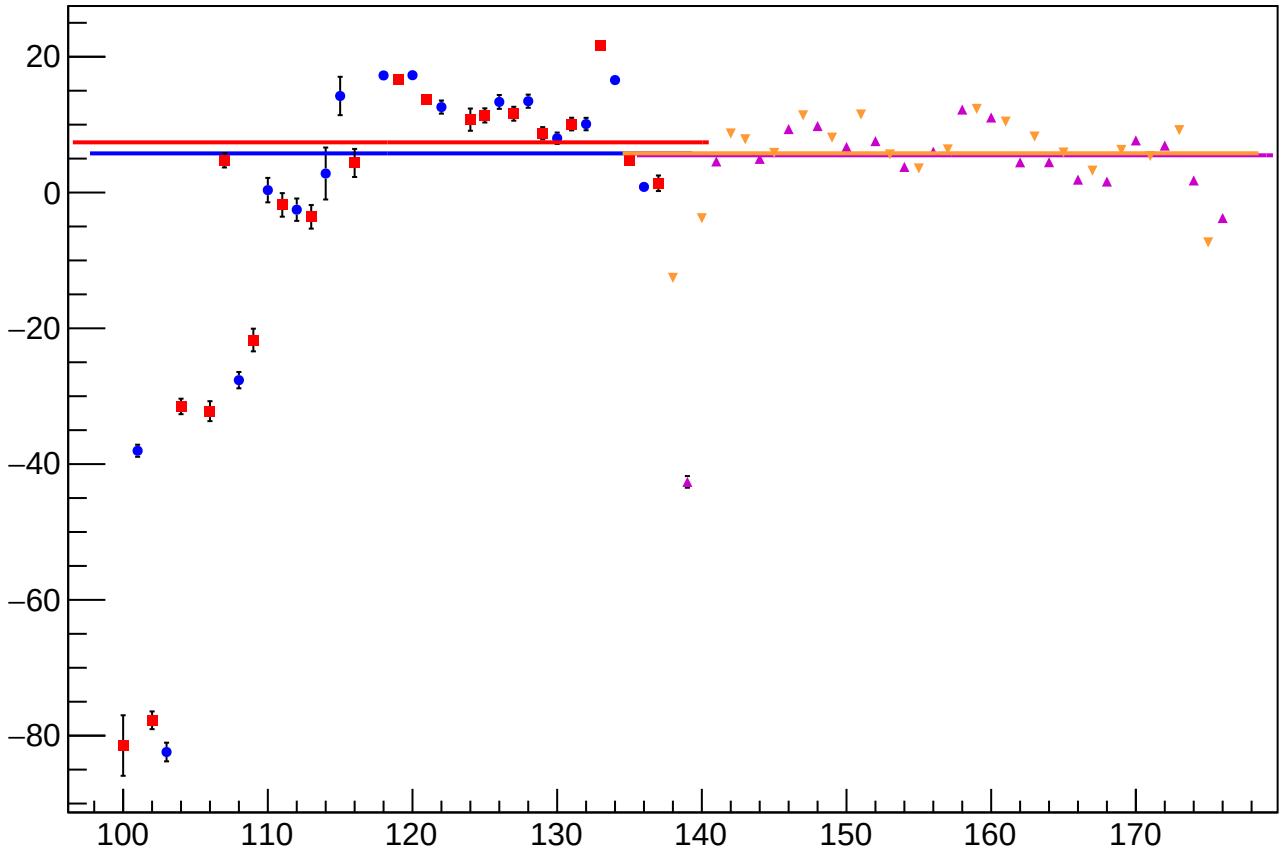
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 10.930+/-0.120 χ^2/NDF:8615.0/18

+ sign 9.341+/-0.106 χ^2/NDF: 11723.4/35

All: 8.939+/-0.075 χ^2/NDF: 23141.6/73

- sign 8.536+/-0.106 χ^2/NDF: 11389.3/37



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.785+/-0.087 χ^2/NDF:4279.6/19

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

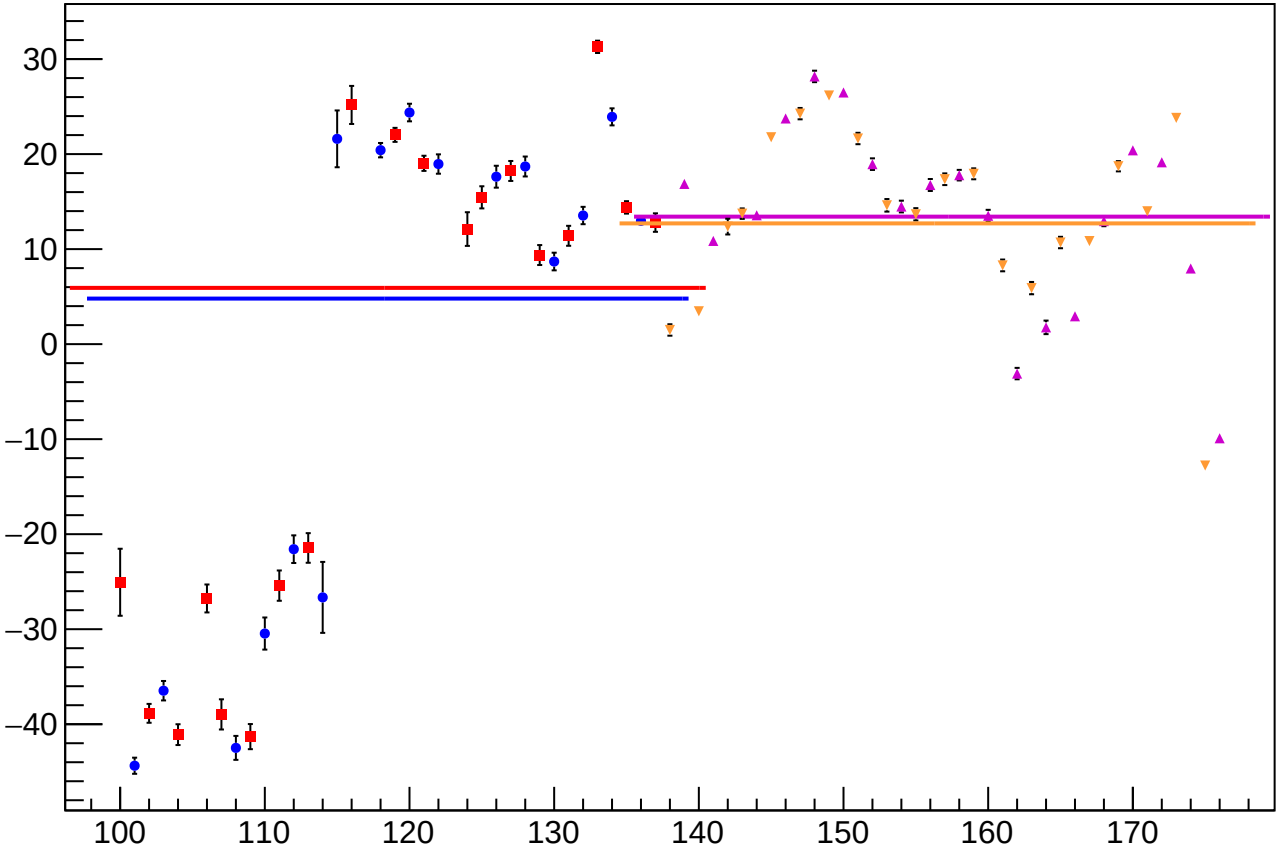
Left In: 5.486+/-0.089 χ^2/NDF:4896.2/18

+ sign 5.782+/-0.081 χ^2/NDF: 13213.4/35

All: 5.781+/-0.058 χ^2/NDF: 26570.8/73

- sign 5.779+/-0.082 χ^2/NDF: 13357.4/37

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 12.706+/-0.119 χ^2/NDF:7957.1/19

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

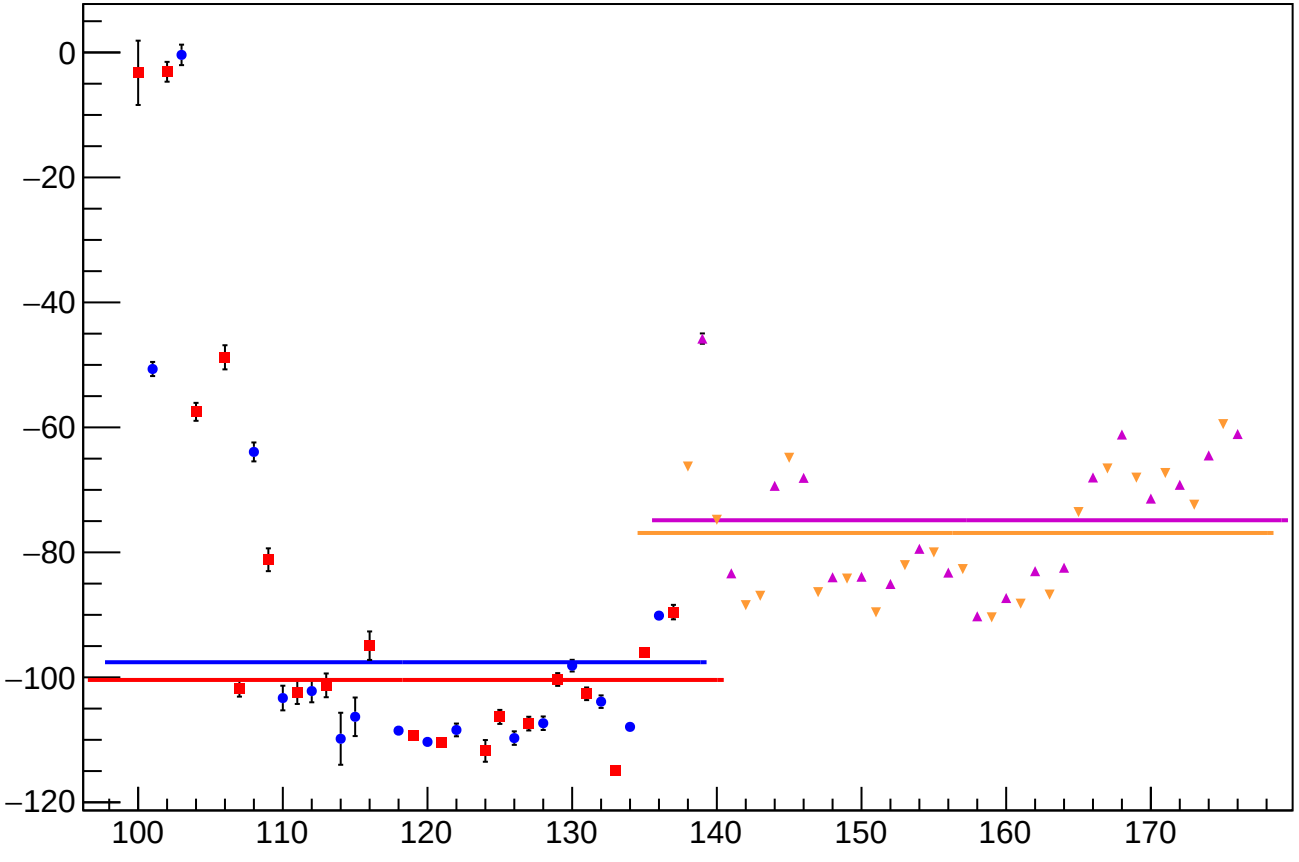
Left In: 13.417+/-0.119 χ^2/NDF:7242.1/18

+ sign 11.119+/-0.106 χ^2/NDF: 18341.9/35

All: 11.527+/-0.075 χ^2/NDF: 36456.6/73

- sign 11.937+/-0.107 χ^2/NDF: 18085.2/37

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -76.895+/-0.100 χ^2/NDF:9852.4/19

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

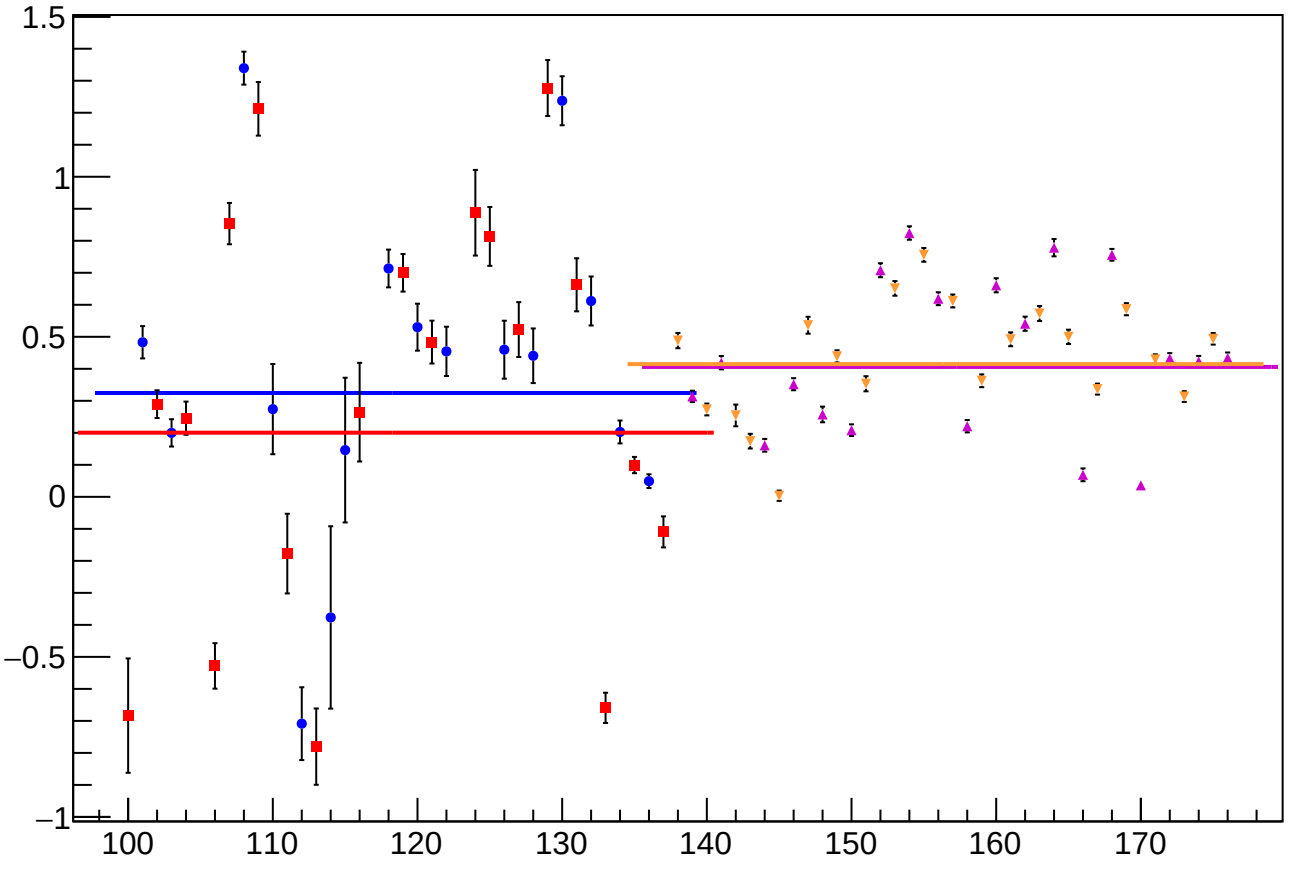
Left In: -74.862+/-0.101 χ^2/NDF:9415.5/18

+ sign -79.916+/-0.092 χ^2/NDF: 23252.3/35

All: -79.310+/-0.066 χ^2/NDF: 49431.3/73

- sign -78.693+/-0.093 χ^2/NDF: 26092.2/37

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: 0.415+/-0.005 χ^2/NDF:1568.7/19

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

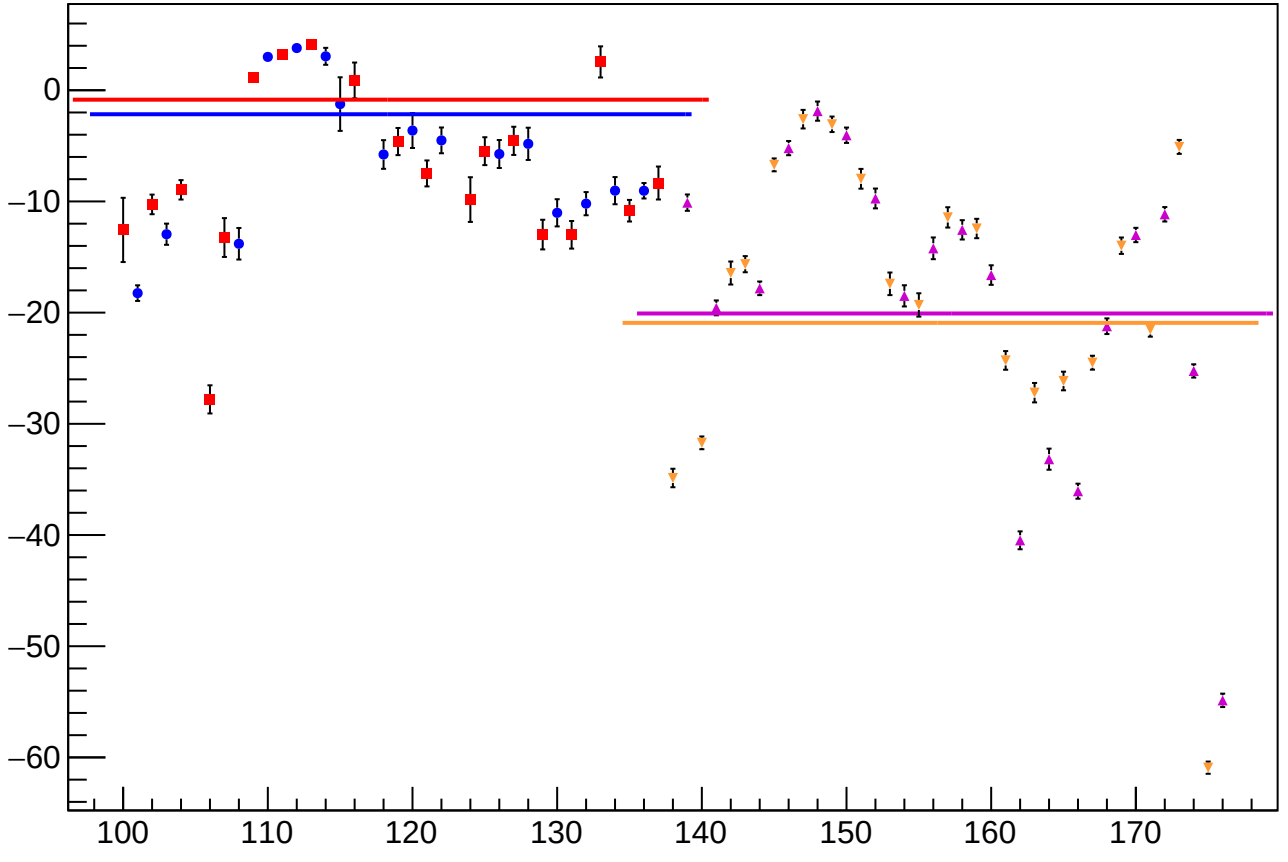
Left In: 0.406+/-0.004 χ^2/NDF:2701.3/18

+ sign 0.405+/-0.004 χ^2/NDF: 2496.5/35

All: 0.396+/-0.003 χ^2/NDF: 6613.3/73

- sign 0.387+/-0.004 χ^2/NDF: 4107.2/37

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -20.919+/-0.166 χ^2/NDF:9017.2/19

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

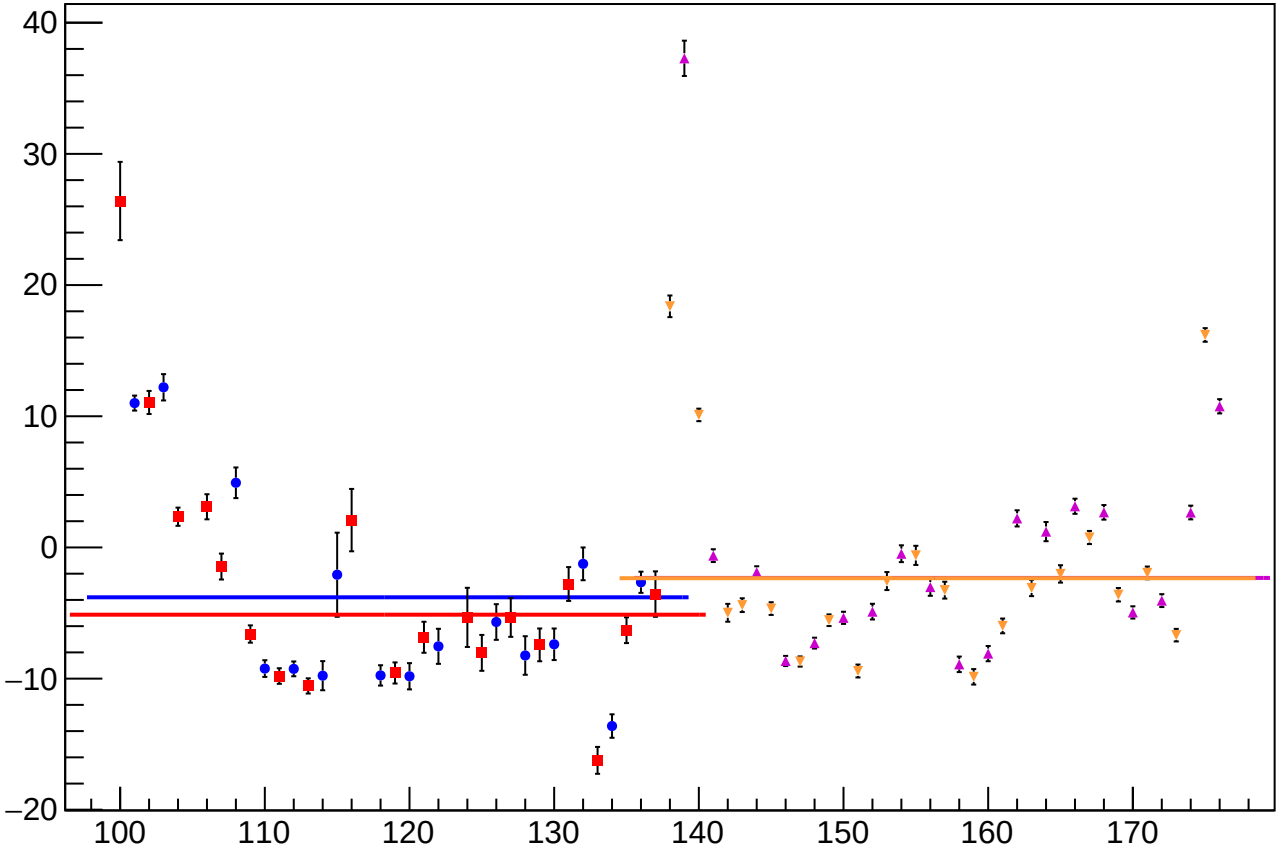
Left In: -20.077+/-0.167 χ^2/NDF:7082.0/18

+ sign -12.874+/-0.126 χ^2/NDF: 15961.8/35

All: -11.703+/-0.087 χ^2/NDF: 31164.1/73

- sign -10.648+/-0.119 χ^2/NDF: 15037.4/37

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -2.344+/-0.120 χ^2/NDF:3502.4/19

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

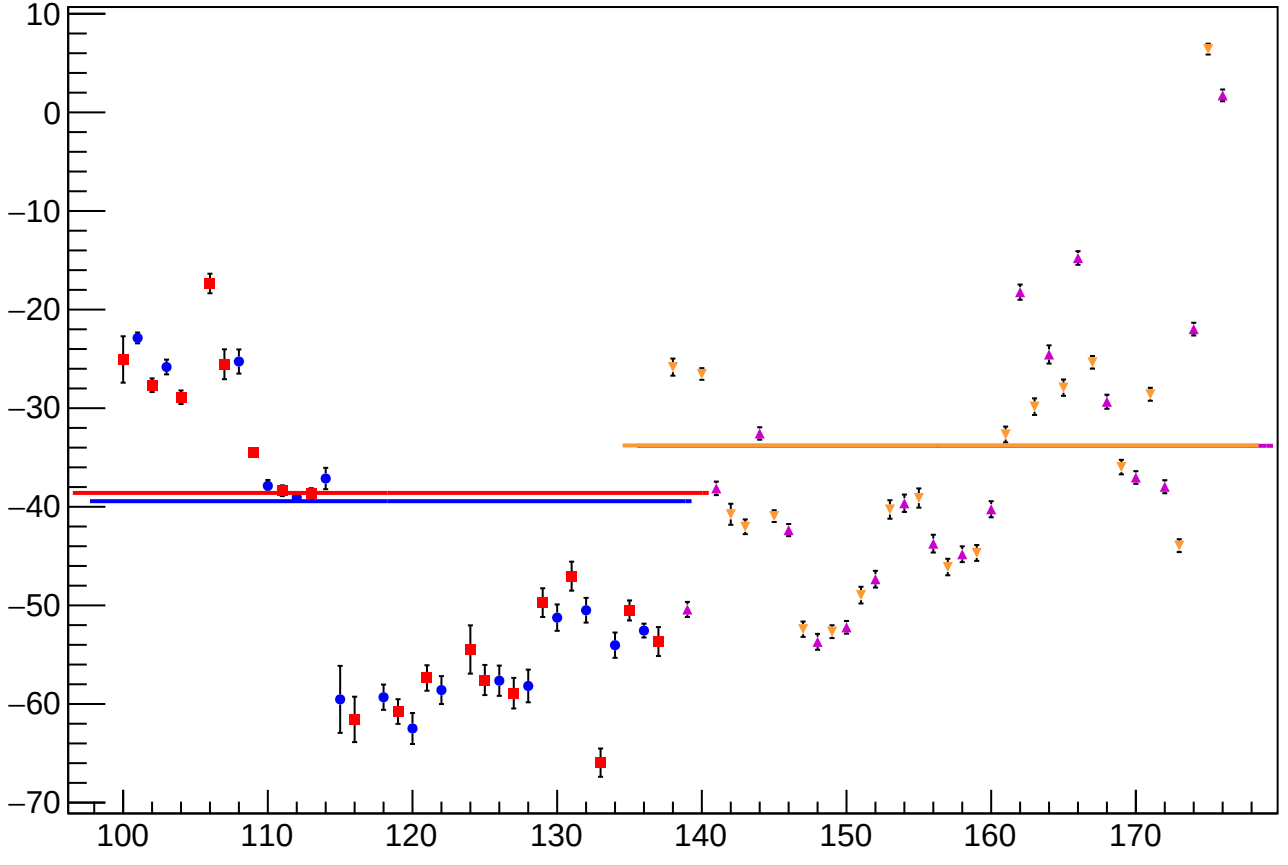
Left In: -2.323+/-0.123 χ^2/NDF:2545.2/18

+ sign -2.667+/-0.106 χ^2/NDF: 4960.4/35

All: -2.829+/-0.075 χ^2/NDF: 8615.8/73

- sign -2.993+/-0.107 χ^2/NDF: 3650.7/37

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -33.781+/-0.165 χ^2/NDF:8659.5/19

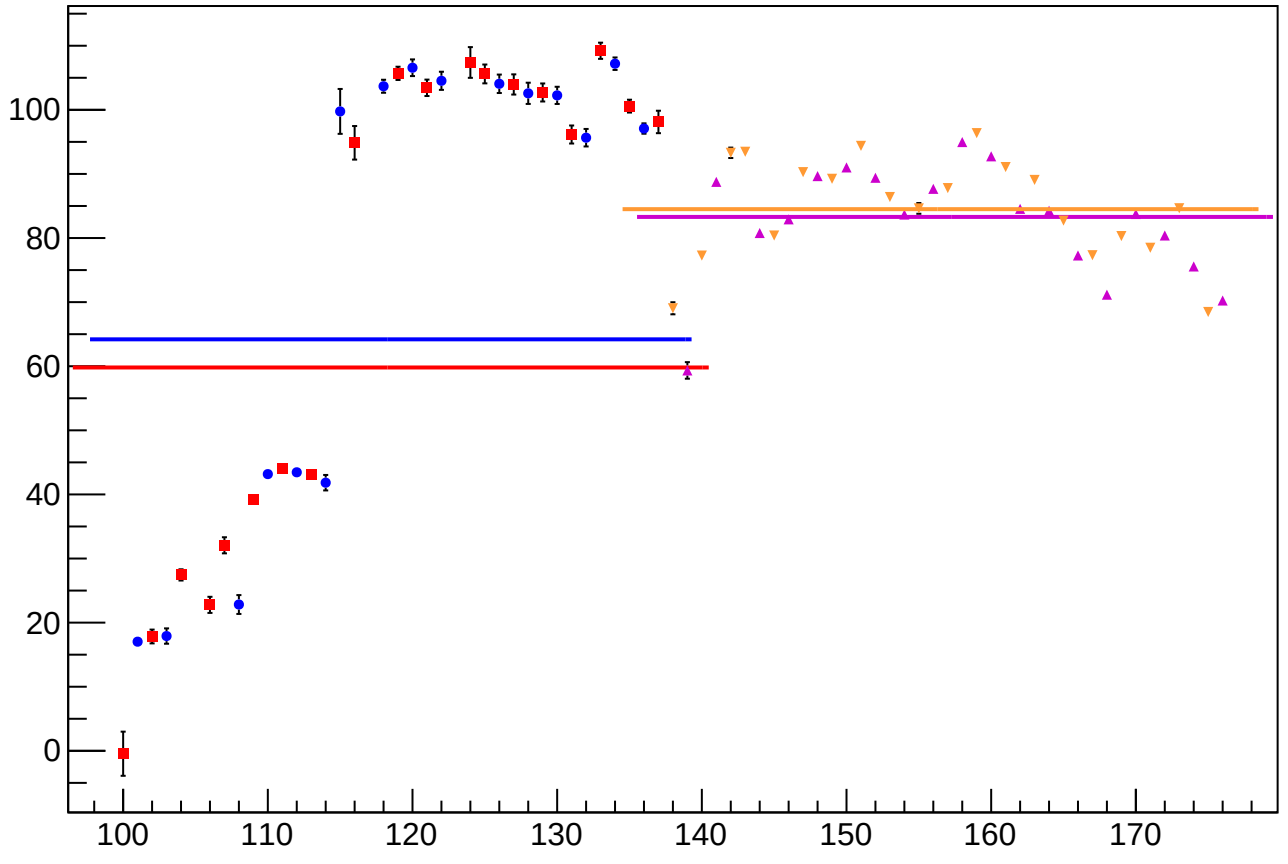
Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -33.814+/-0.165 χ^2/NDF:8052.7/18

+ sign -35.747+/-0.133 χ^2/NDF: 12027.2/35

All: -35.679+/-0.093 χ^2/NDF: 23167.5/73

- sign -35.615+/-0.130 χ^2/NDF: 11139.9/37



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 84.505+/-0.138 χ^2/NDF:3042.1/19

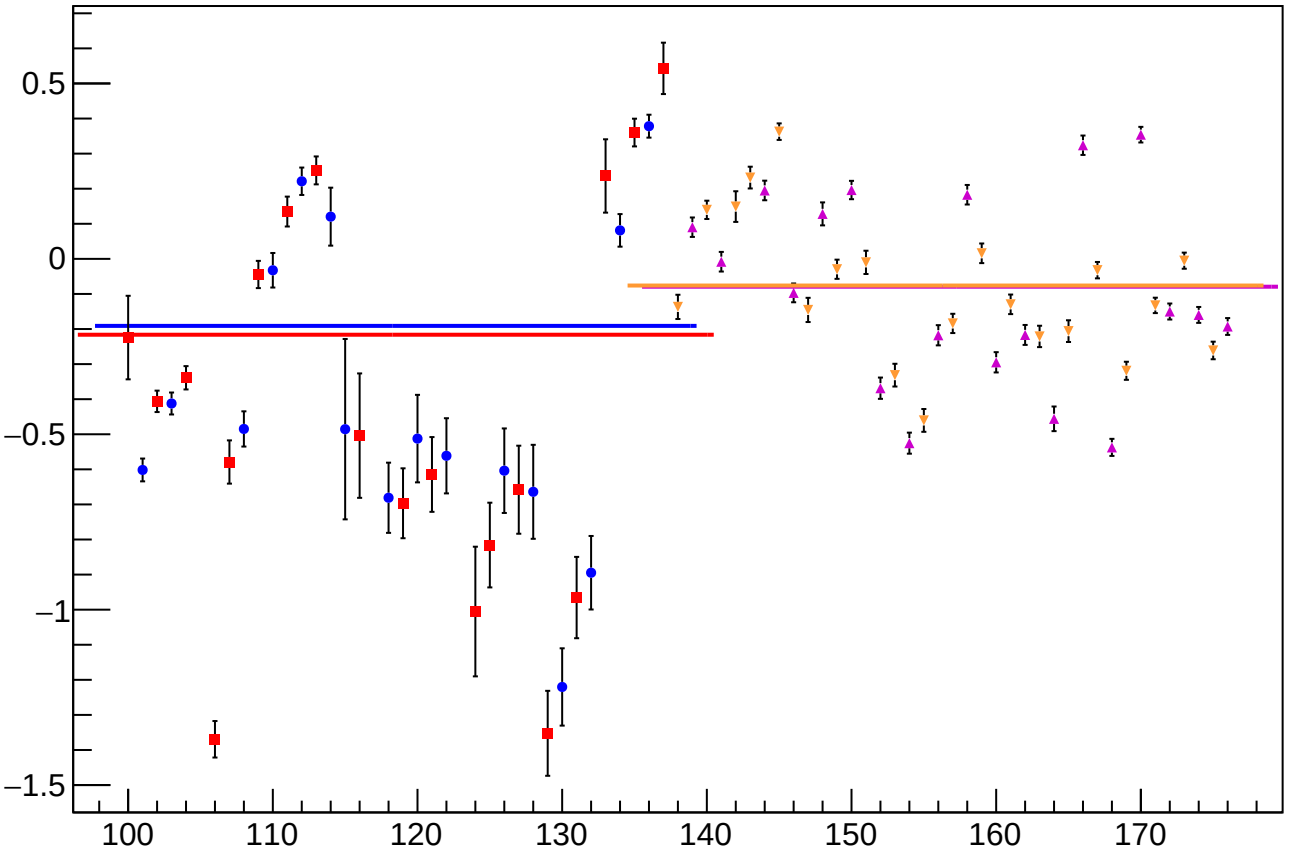
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 83.293+/-0.140 χ^2/NDF:2653.9/18

+ sign 79.995+/-0.121 χ^2/NDF: 26477.5/35

All: 78.837+/-0.086 χ^2/NDF: 53528.3/73

- sign 77.672+/-0.122 χ^2/NDF: 26868.0/37



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.076+/-0.006 χ^2/NDF:989.4/19

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

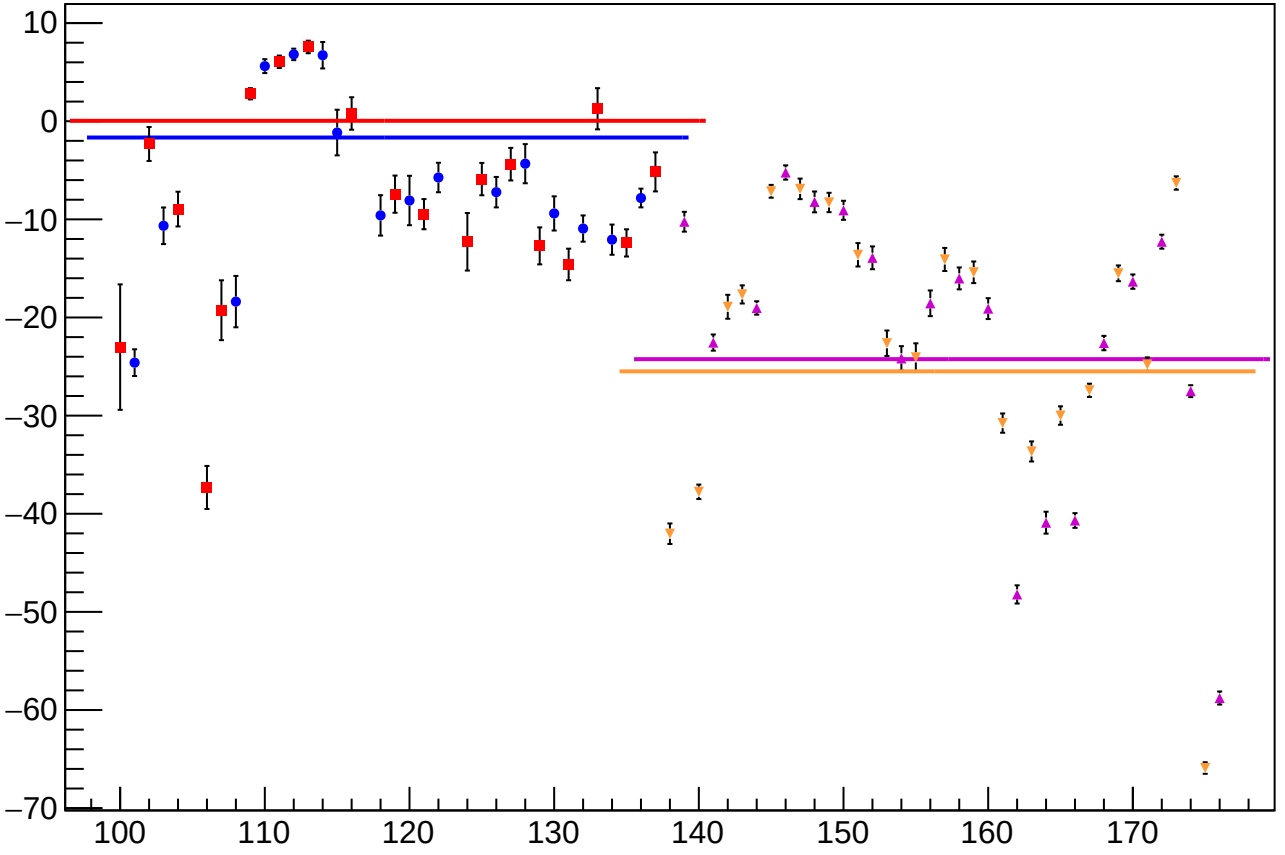
Left In: -0.079+/-0.006 χ^2/NDF:1900.2/18

+ sign -0.097+/-0.006 χ^2/NDF: 1968.0/35

All: -0.101+/-0.004 χ^2/NDF: 5328.5/73

- sign -0.105+/-0.006 χ^2/NDF: 3359.4/37

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -25.490+/-0.196 χ^2/NDF:8100.2/19

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

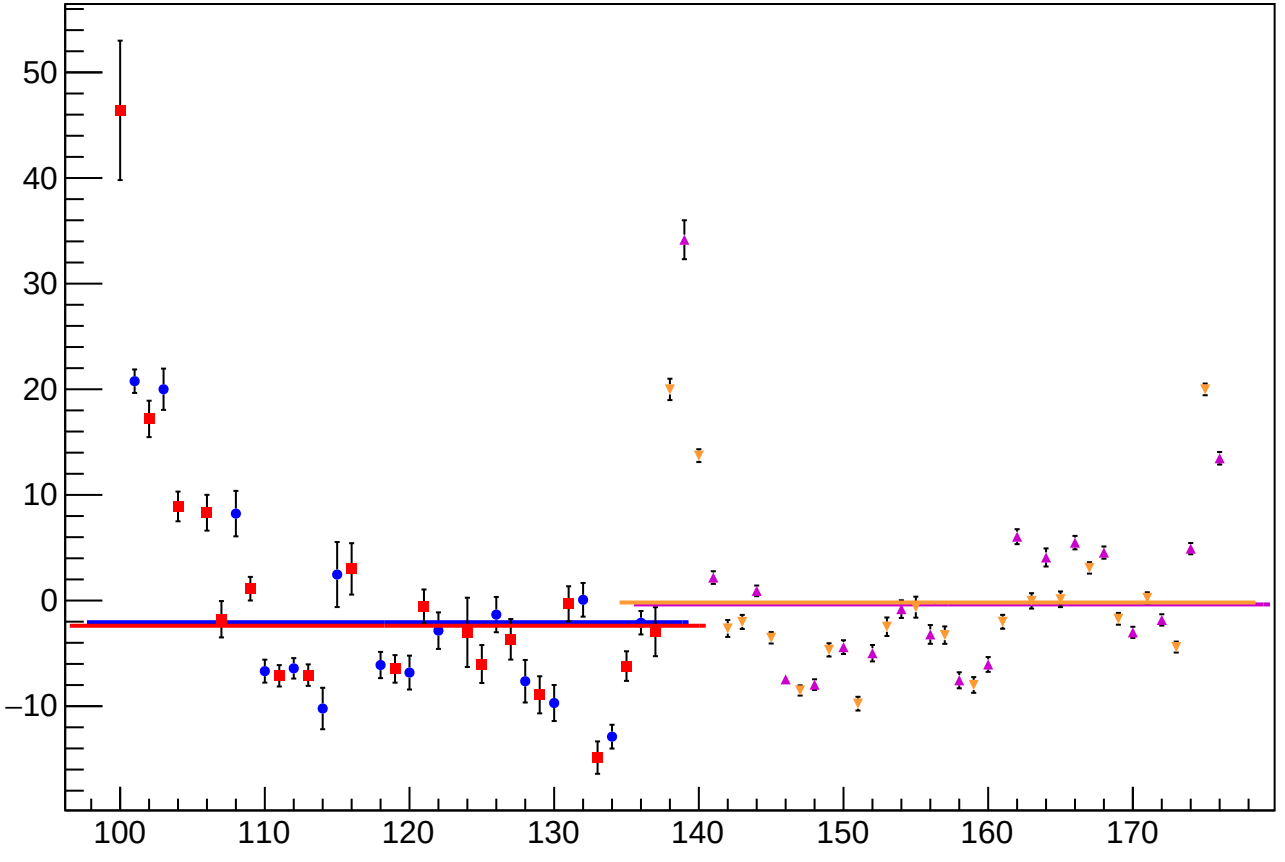
Left In: -24.246+/-0.194 χ^2/NDF:6074.6/18

+ sign -18.621+/-0.165 χ^2/NDF: 13258.8/35

All: -17.486+/-0.115 χ^2/NDF: 25388.1/73

- sign -16.424+/-0.160 χ^2/NDF: 12038.2/37

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -0.184+/-0.143 χ^2/NDF:3111.1/19

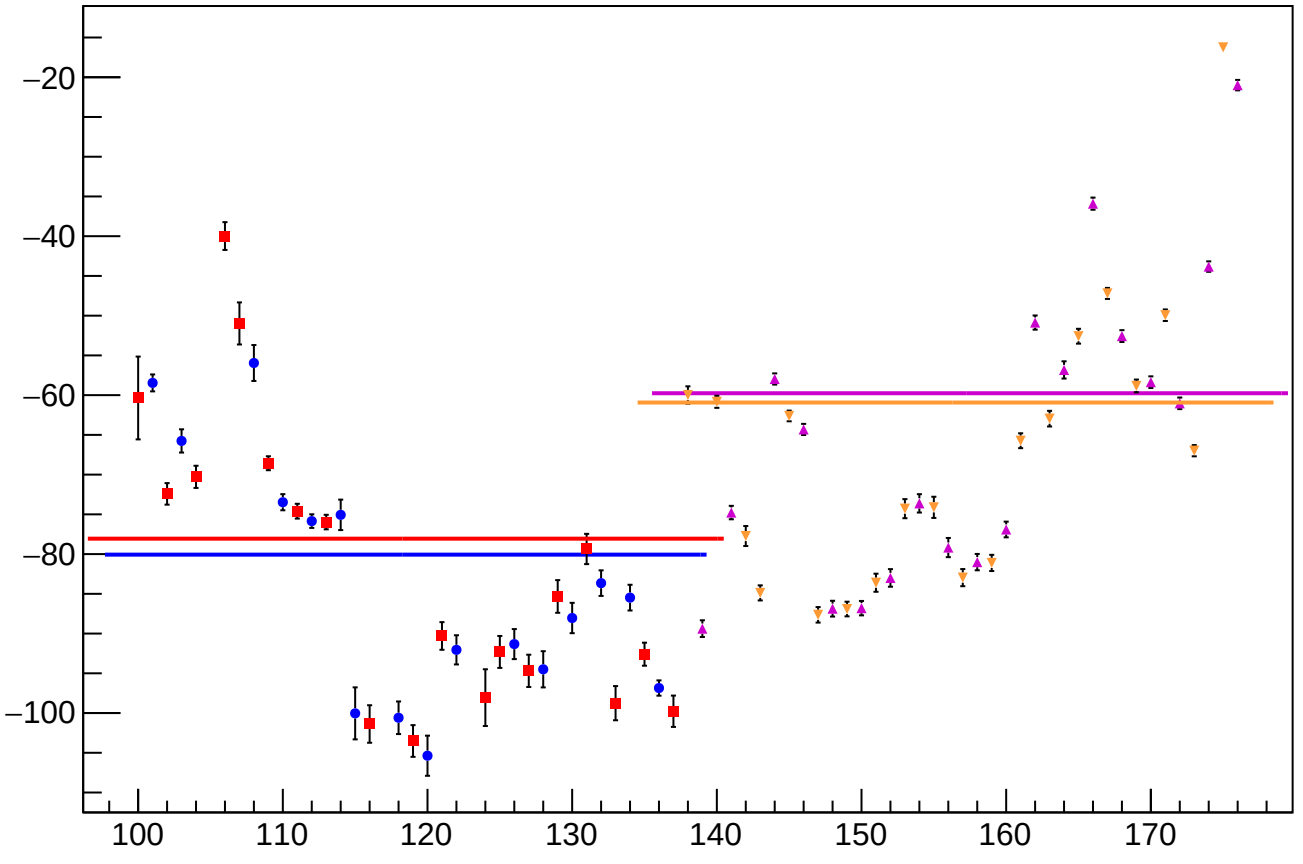
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -0.368+/-0.143 χ^2/NDF:2049.2/18

+ sign -0.444+/-0.133 χ^2/NDF: 3906.7/35

All: -0.546+/-0.094 χ^2/NDF: 6435.8/73

- sign -0.649+/-0.133 χ^2/NDF: 2527.9/37



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -60.930+/-0.195 χ^2/NDF:10351.0/19

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

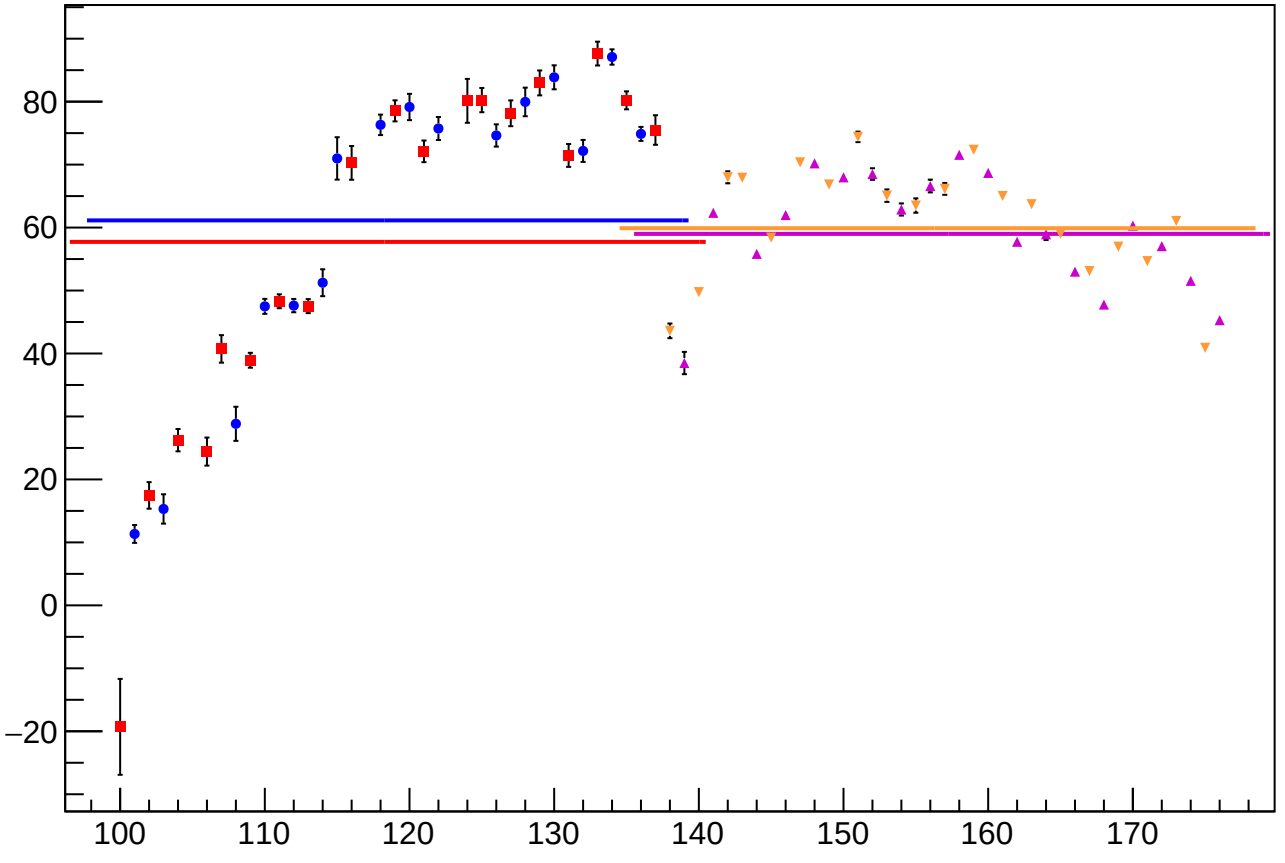
Left In: -59.760+/-0.193 χ^2/NDF:9595.9/18

+ sign -65.186+/-0.172 χ^2/NDF: 13883.1/35

All: -64.568+/-0.121 χ^2/NDF: 27129.3/73

- sign -63.966+/-0.169 χ^2/NDF: 13220.6/37

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 59.899+/-0.163 χ^2/NDF:2925.1/19

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

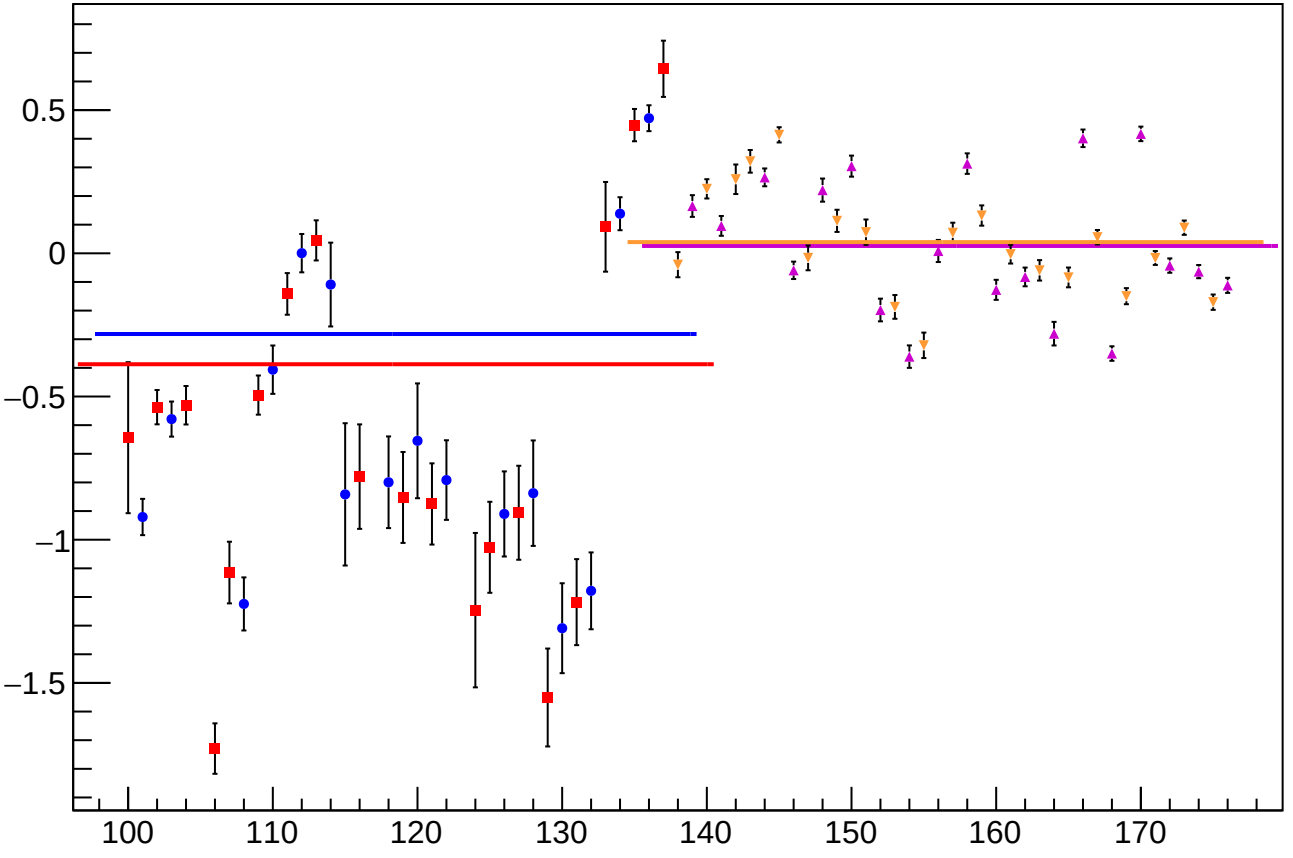
Left In: 58.997+/-0.162 χ^2/NDF:2218.5/18

+ sign 60.074+/-0.151 χ^2/NDF: 6162.6/35

All: 59.445+/-0.106 χ^2/NDF: 11200.3/73

- sign 58.817+/-0.150 χ^2/NDF: 5002.8/37

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.039+/-0.007 χ^2/NDF:548.1/19

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

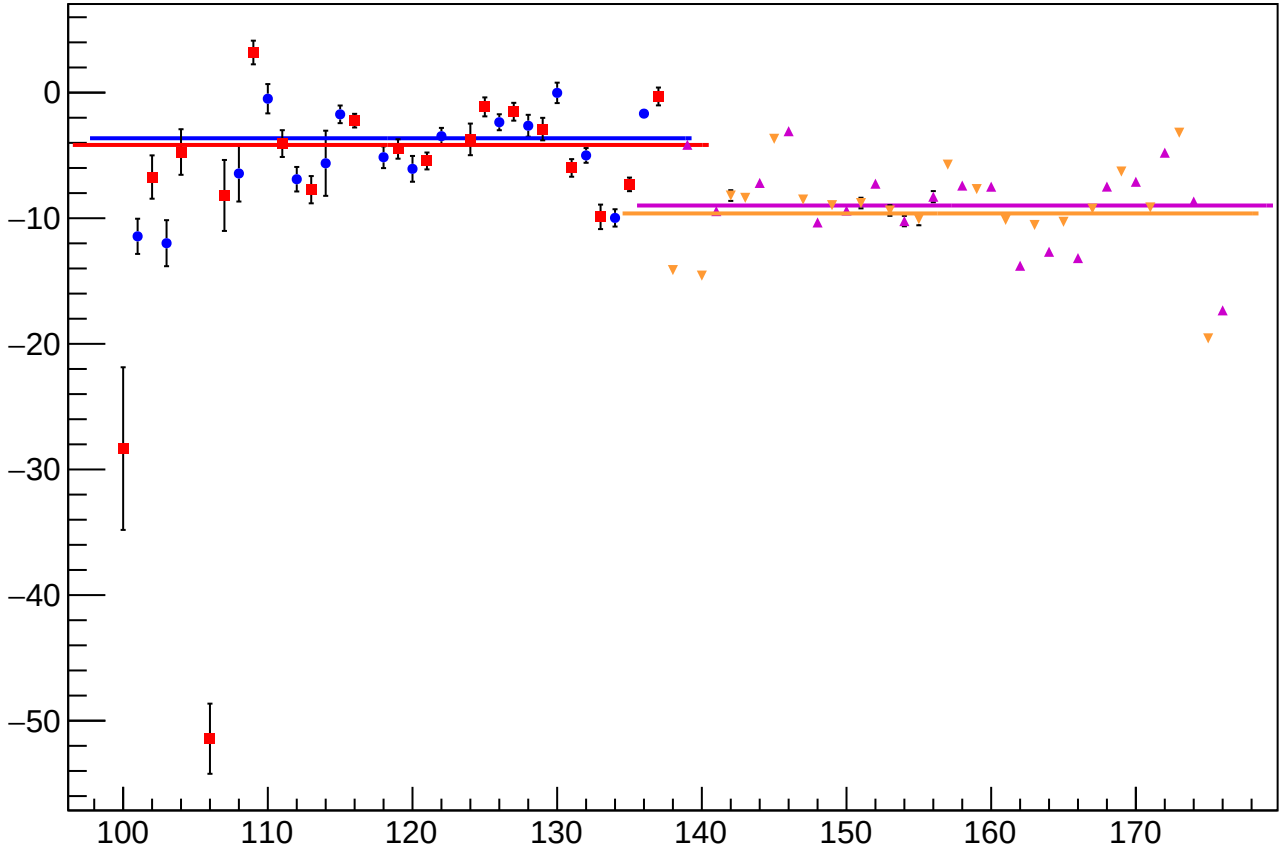
Left In: 0.026+/-0.007 χ^2/NDF:1102.9/18

+ sign 0.006+/-0.007 χ^2/NDF: 1473.4/35

All: -0.005+/-0.005 χ^2/NDF: 3719.9/73

- sign -0.015+/-0.007 χ^2/NDF: 2242.2/37

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -9.619+/-0.064 χ^2/NDF:5468.9/19

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

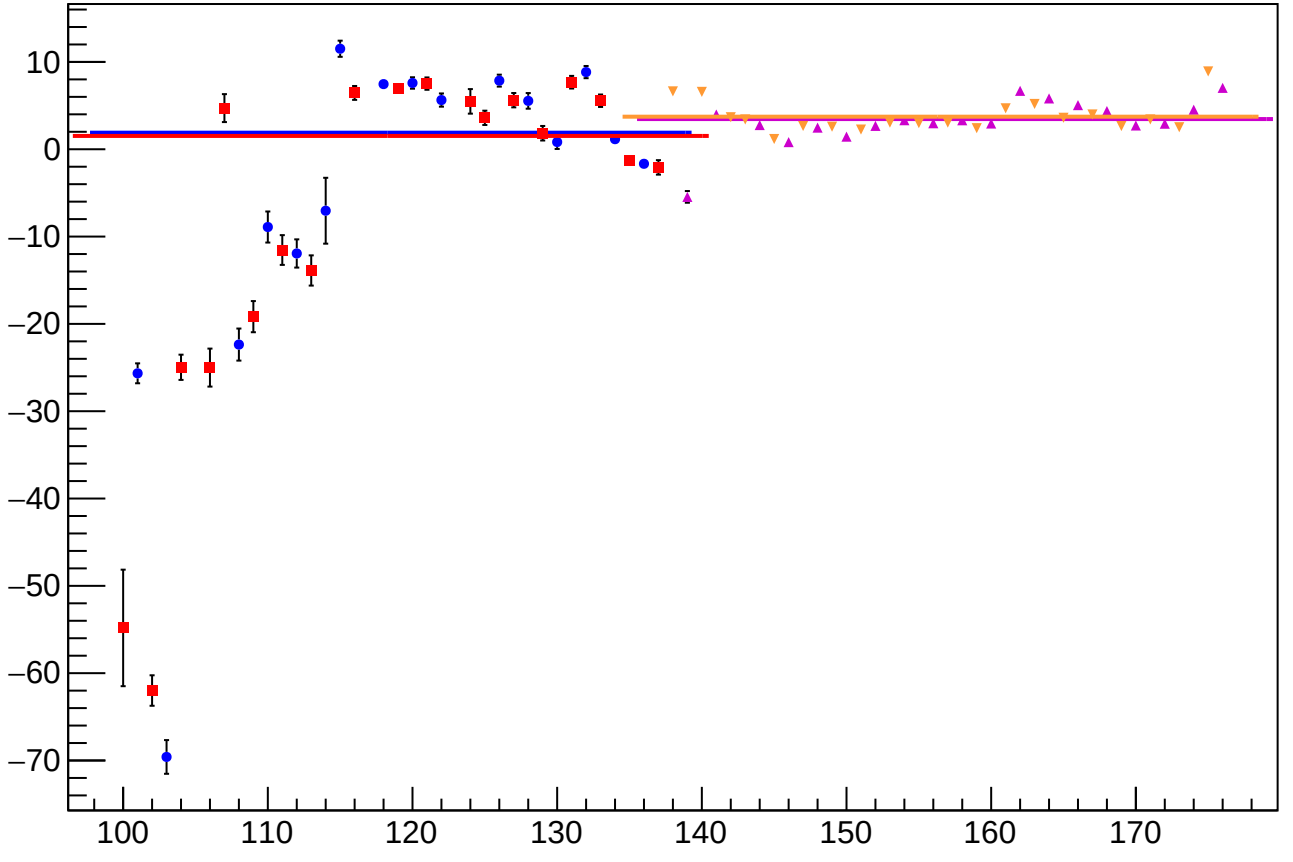
Left In: -8.987+/-0.063 χ^2/NDF:3769.3/18

+ sign -9.008+/-0.060 χ^2/NDF: 6603.8/35

All: -8.779+/-0.042 χ^2/NDF: 11463.0/73

- sign -8.556+/-0.060 χ^2/NDF: 4830.9/37

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.730+/-0.047 χ^2/NDF:1654.1/19

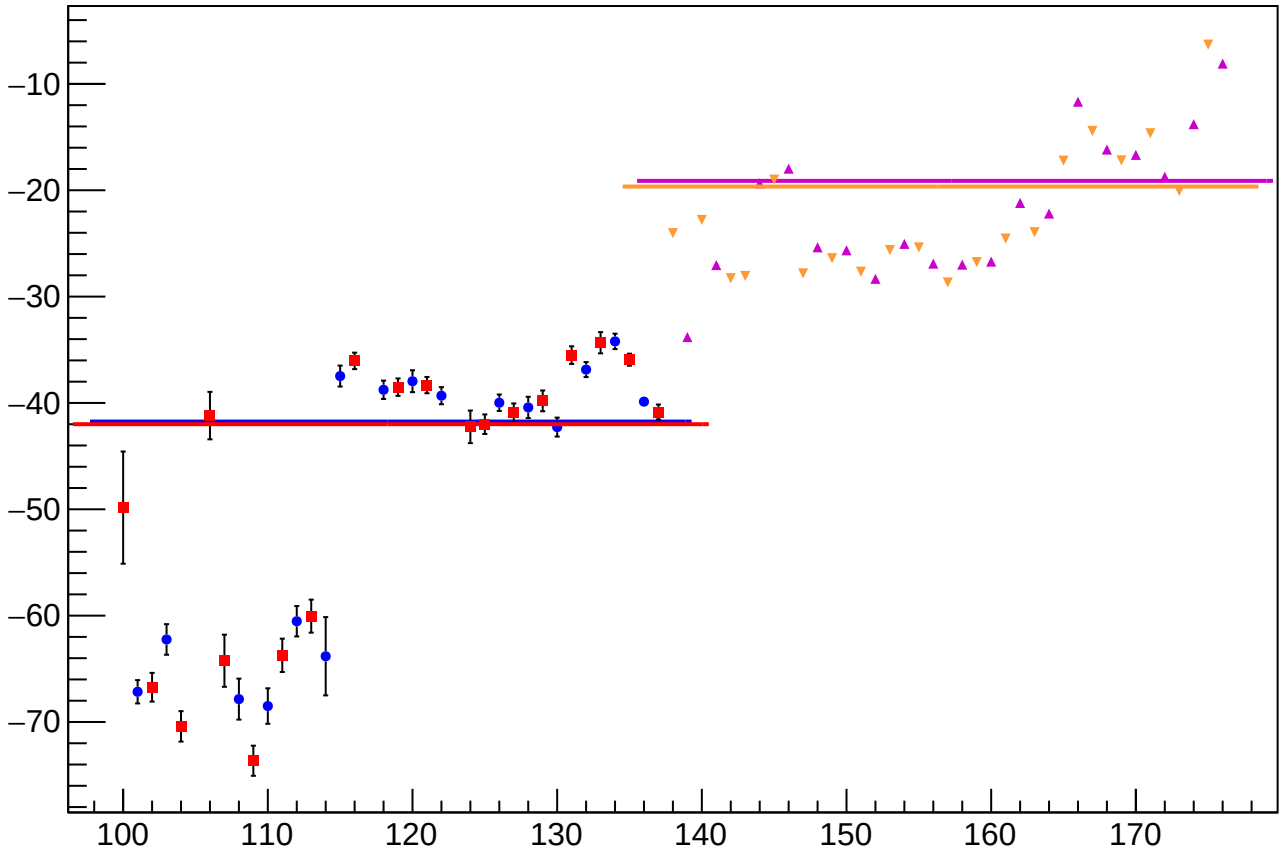
Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.458+/-0.046 χ^2/NDF:1520.4/18

+ sign 3.624+/-0.045 χ^2/NDF: 4580.8/35

All: 3.494+/-0.032 χ^2/NDF: 8759.1/73

- sign 3.367+/-0.045 χ^2/NDF: 4162.2/37



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -19.651+/-0.063 χ^2/NDF:11102.0/19

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

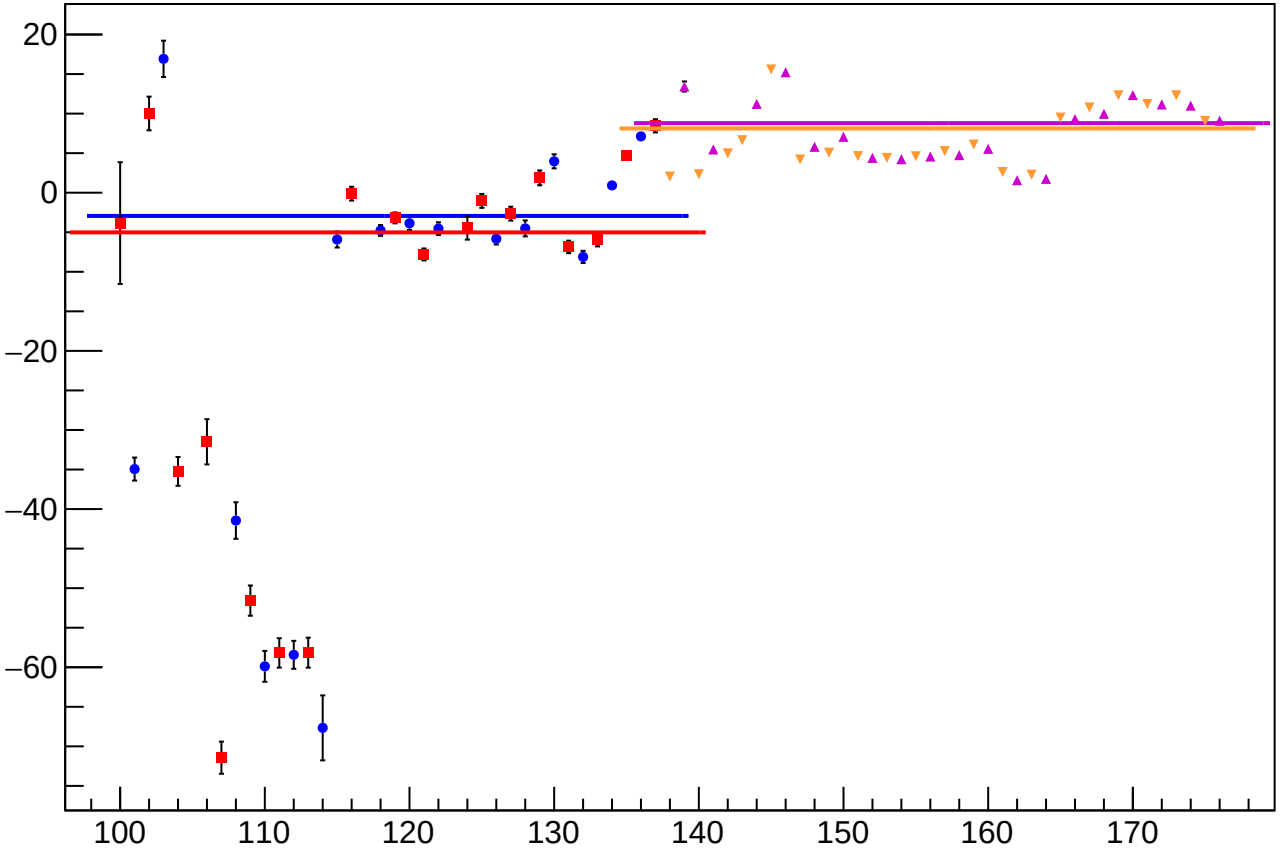
Left In: -19.117+/-0.062 χ^2/NDF:10192.1/18

+ sign -21.538+/-0.061 χ^2/NDF: 23098.0/35

All: -21.116+/-0.043 χ^2/NDF: 44723.7/73

- sign -20.702+/-0.060 χ^2/NDF: 21529.8/37

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.120+/-0.053 χ^2/NDF:5915.2/19

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

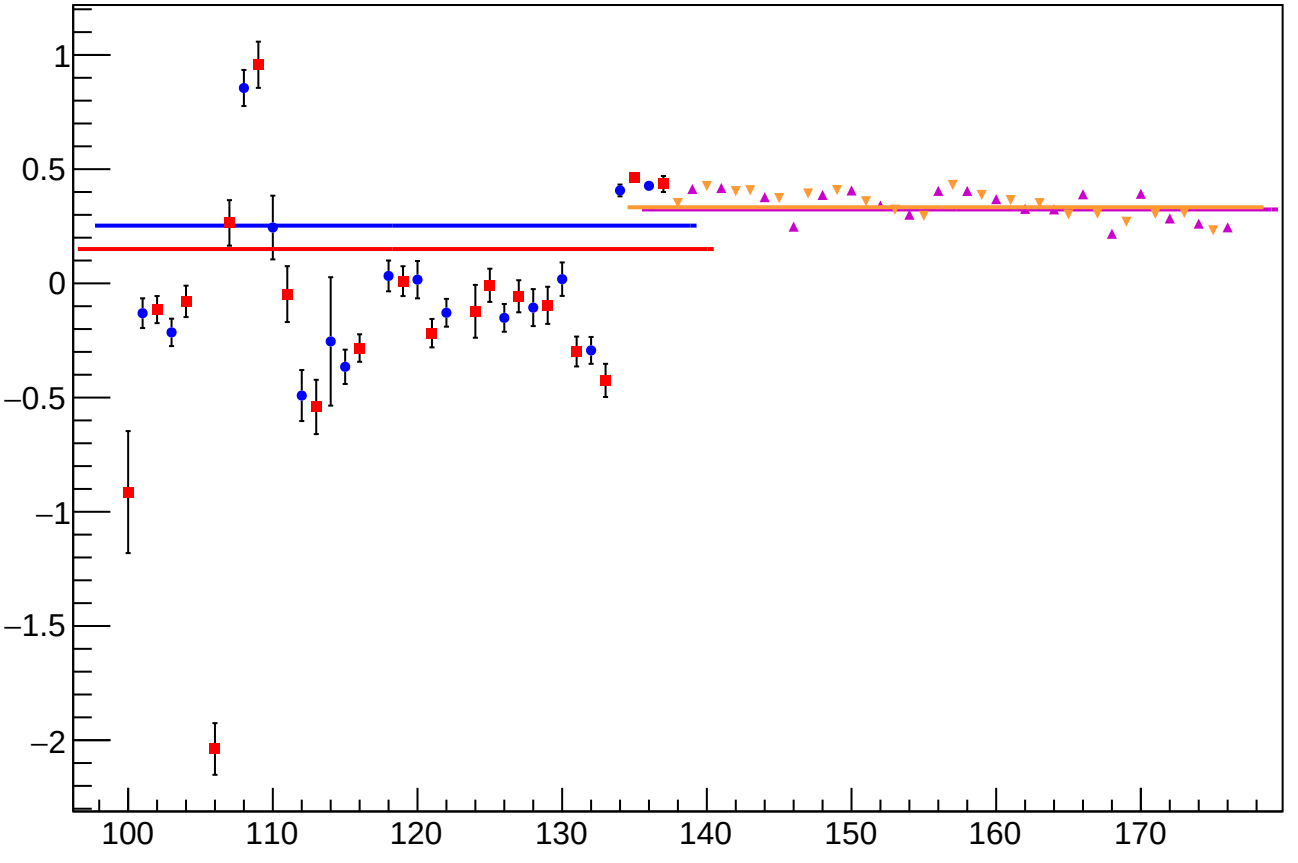
Left In: 8.797+/-0.052 χ^2/NDF:5305.4/18

\+ sign 7.458+/-0.051 χ^2/NDF: 12255.1/35

All: 7.794+/-0.036 χ^2/NDF: 25403.0/73

\- sign 8.127+/-0.051 χ^2/NDF: 13062.4/37

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.333+/-0.002 χ^2/NDF:526.4/19

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

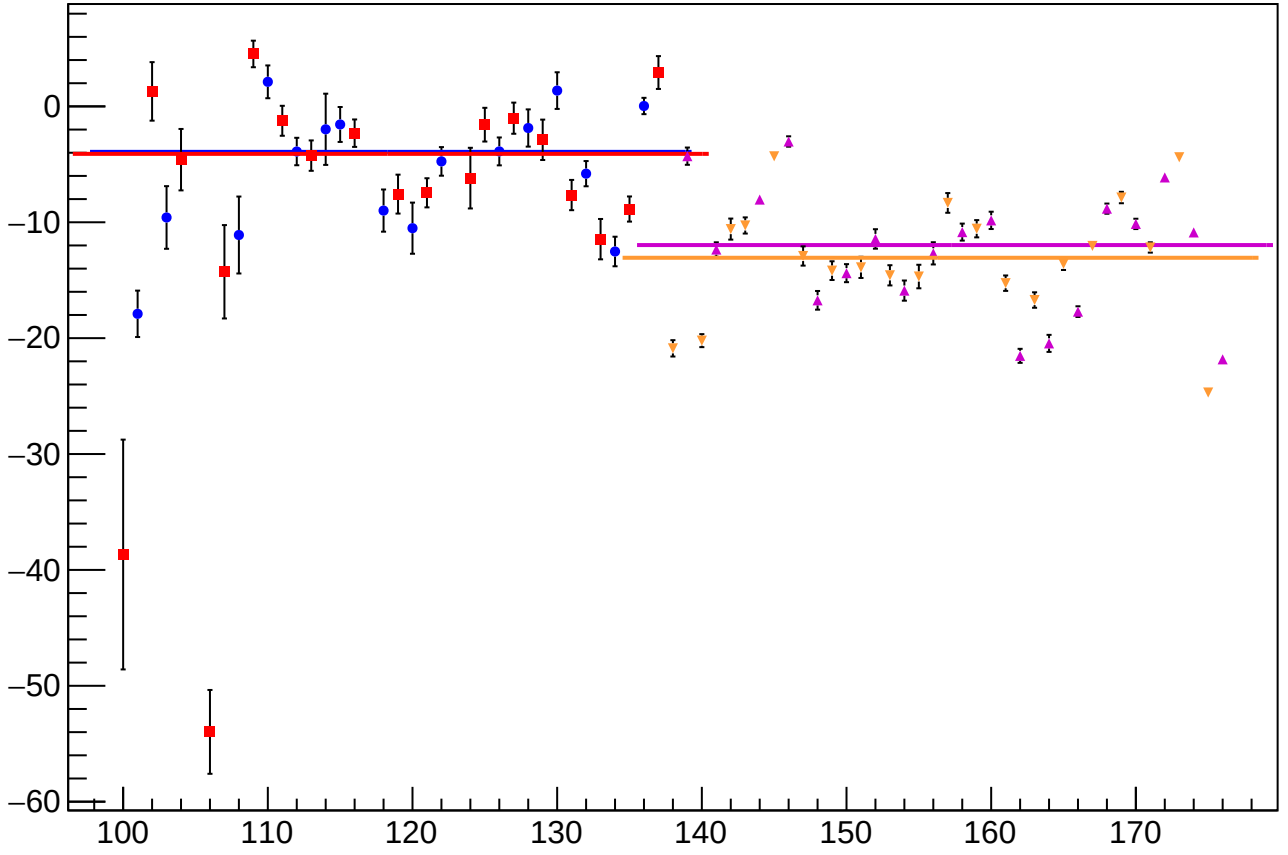
Left In: 0.324+/-0.002 χ^2/NDF:861.1/18

+ sign 0.330+/-0.002 χ^2/NDF: 1204.4/35

All: 0.324+/-0.002 χ^2/NDF: 3259.0/73

- sign 0.318+/-0.002 χ^2/NDF: 2042.5/37

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -13.063+/-0.127 χ^2/NDF:2584.7/19

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

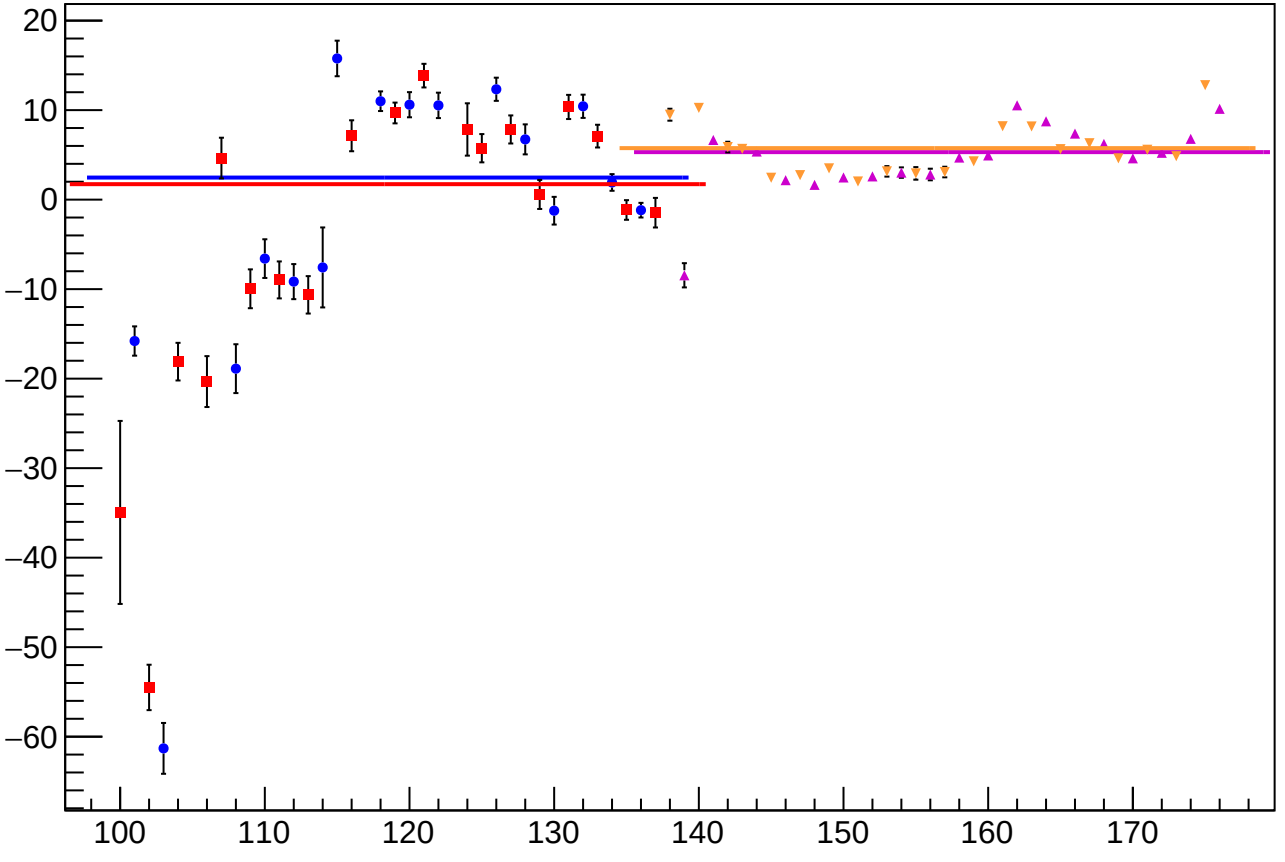
Left In: -11.967+/-0.124 χ^2/NDF:2094.5/18

+ sign -11.975+/-0.119 χ^2/NDF: 3388.1/35

All: -11.539+/-0.084 χ^2/NDF: 6309.8/73

- sign -11.118+/-0.117 χ^2/NDF: 2895.4/37

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 5.755+/-0.094 χ^2/NDF:987.0/19

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

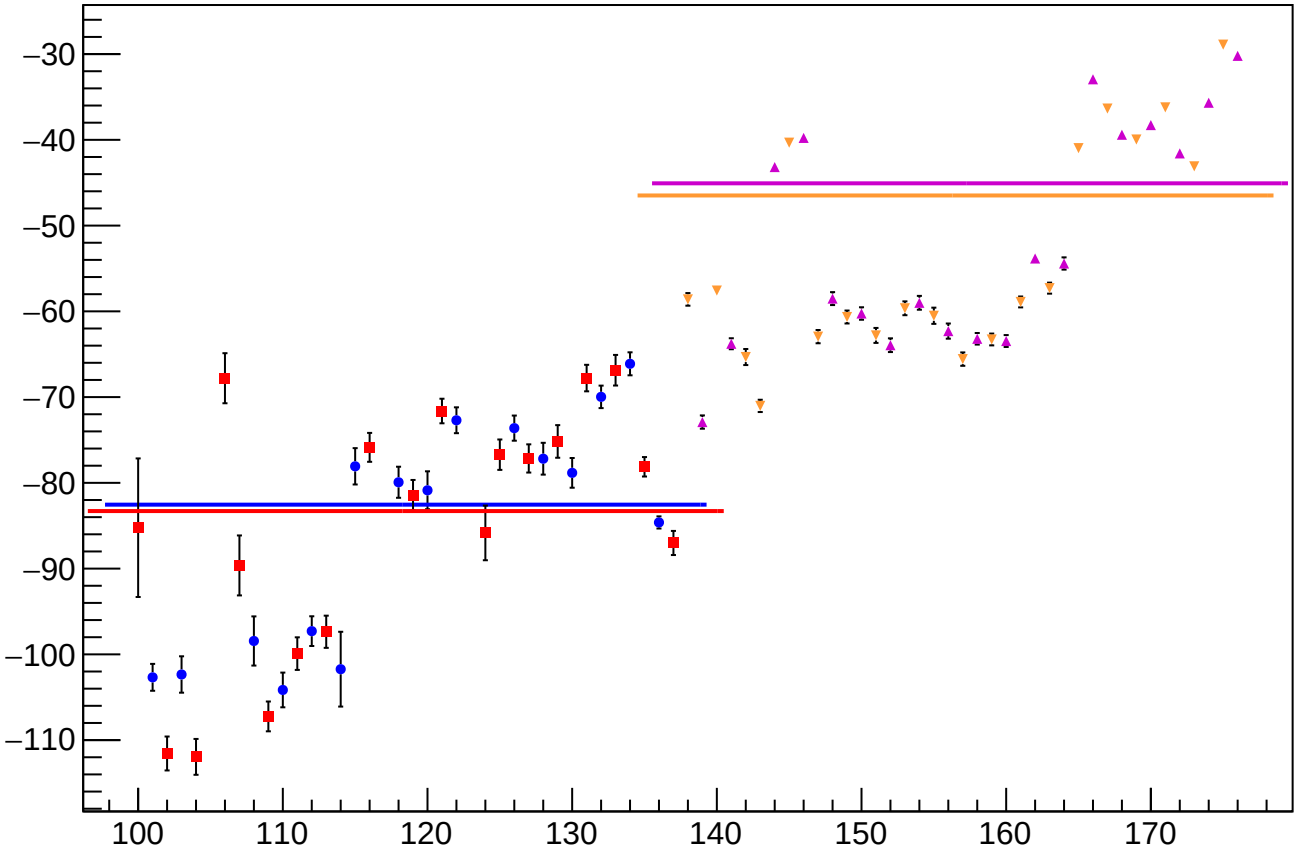
Left In: 5.307+/-0.092 χ^2/NDF:857.5/18

+ sign 5.539+/-0.091 χ^2/NDF: 2113.2/35

All: 5.323+/-0.064 χ^2/NDF: 4046.1/73

- sign 5.115+/-0.090 χ^2/NDF: 1921.9/37

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -46.487+/-0.127 χ^2/NDF:9994.6/19

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

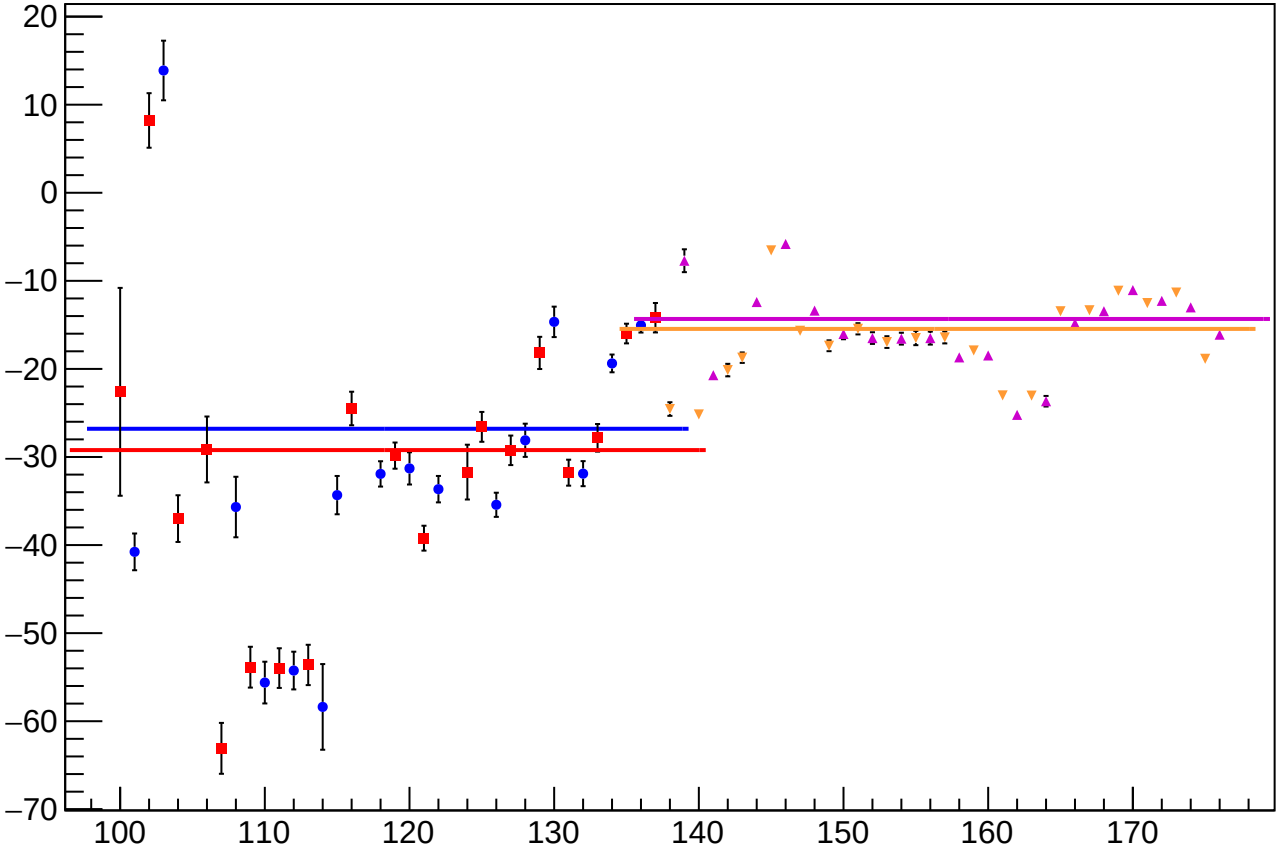
Left In: -45.071+/-0.124 χ^2/NDF:9339.9/18

\+ sign -50.032+/-0.121 χ^2/NDF: 18769.6/35

All: -49.106+/-0.085 χ^2/NDF: 37131.5/73

\- sign -48.208+/-0.119 χ^2/NDF: 18245.6/37

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.458+/-0.106 χ^2/NDF:2126.3/19

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

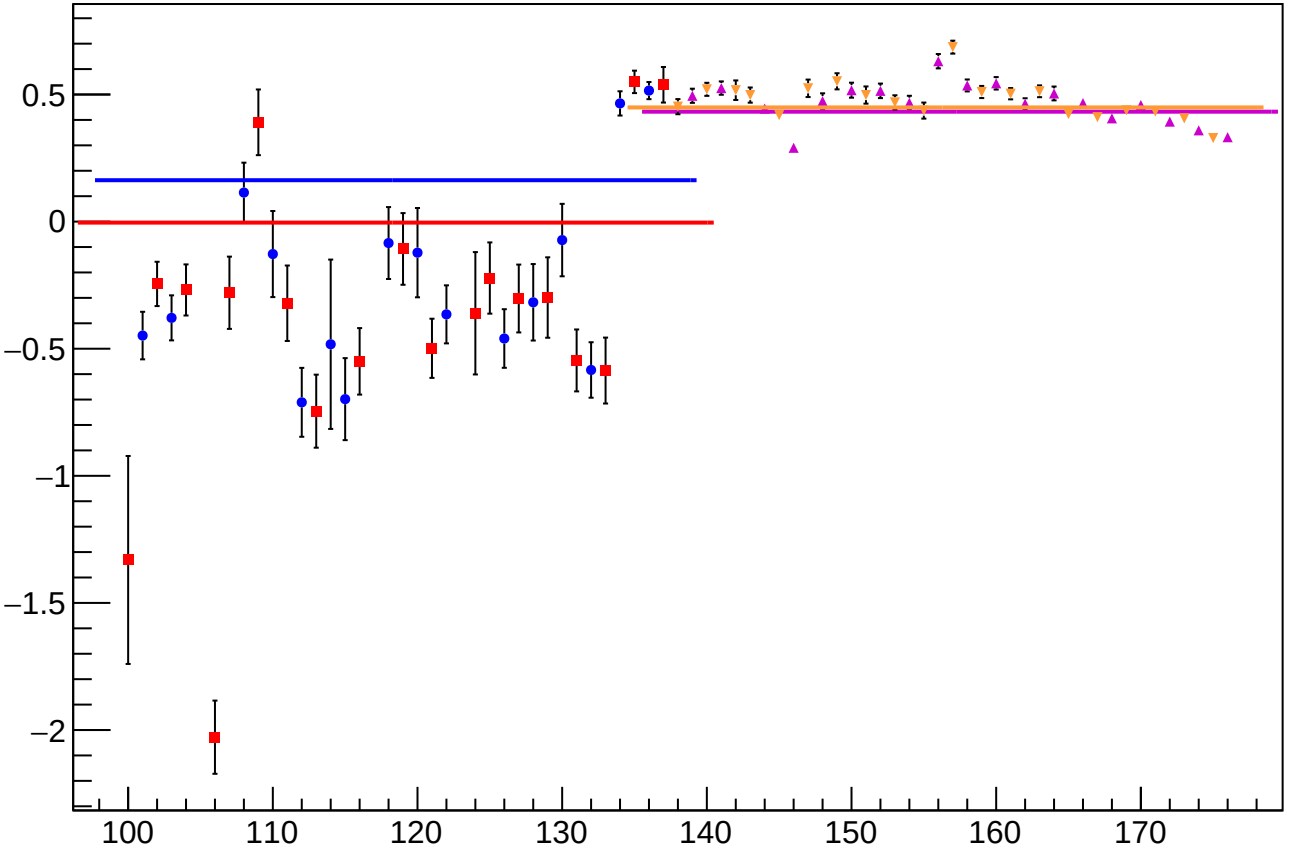
Left In: -14.329+/-0.104 χ^2/NDF:1944.3/18

+ sign -16.220+/-0.103 χ^2/NDF: 3856.0/35

All: -15.678+/-0.072 χ^2/NDF: 7943.0/73

- sign -15.149+/-0.101 χ^2/NDF: 4031.8/37

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.449+/-0.005 χ^2/NDF:217.8/19

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

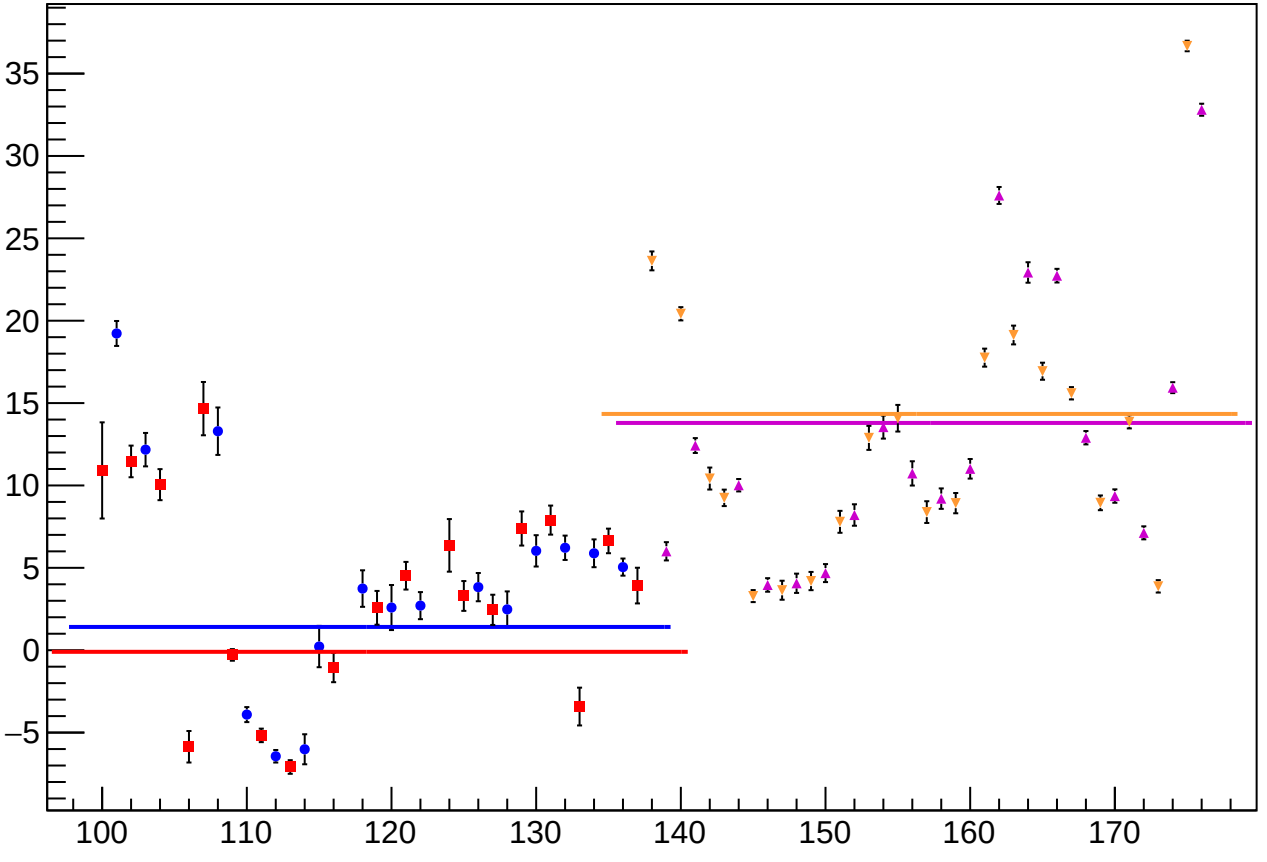
Left In: 0.432+/-0.005 χ^2/NDF:283.2/18

+ sign 0.436+/-0.005 χ^2/NDF: 810.8/35

All: 0.426+/-0.003 χ^2/NDF: 1983.6/73

- sign 0.417+/-0.005 χ^2/NDF: 1165.1/37

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: 14.341+/-0.109 χ^2/NDF:8369.7/19

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

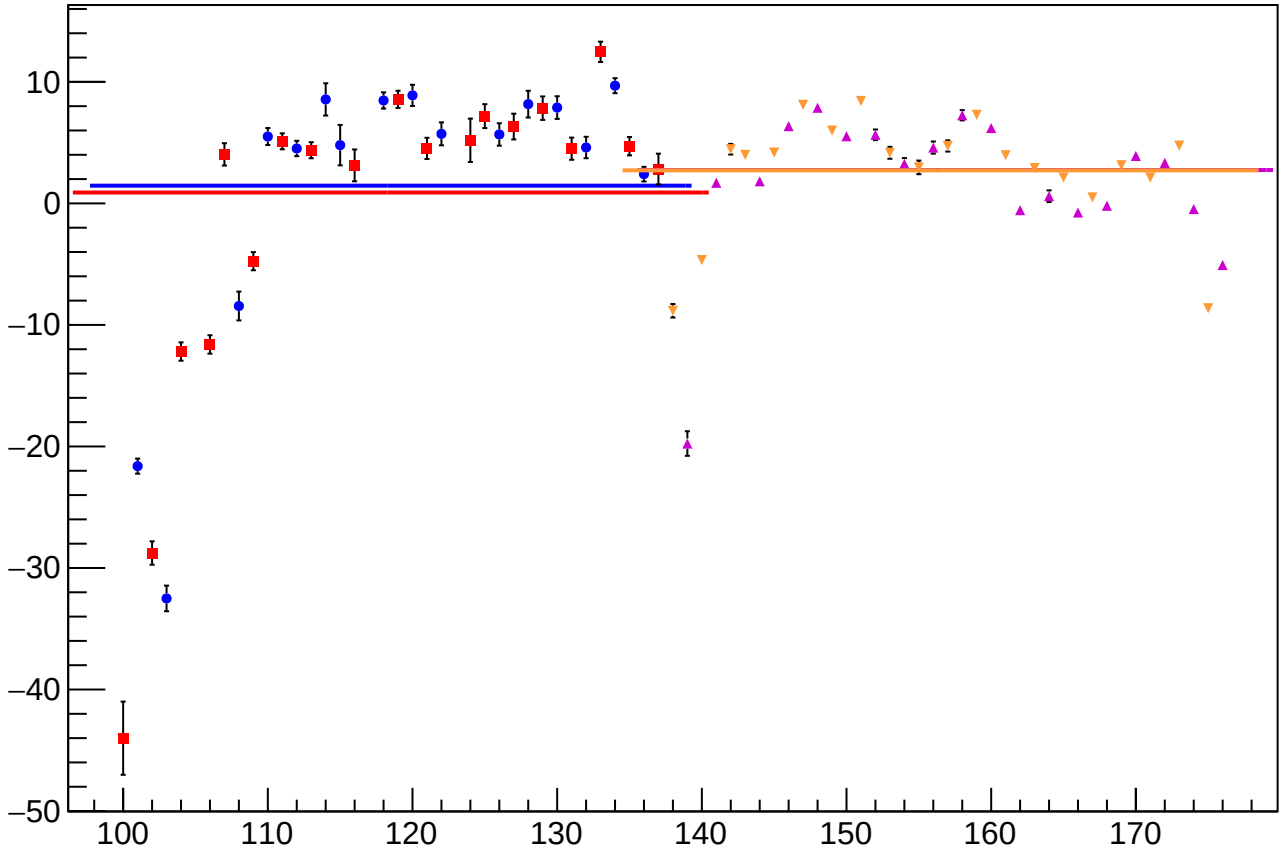
Left In: 13.795+/-0.108 χ^2/NDF:6157.0/18

+ sign 10.981+/-0.093 χ^2/NDF: 13582.2/35

All: 10.336+/-0.065 χ^2/NDF: 25851.0/73

- sign 9.728+/-0.091 χ^2/NDF: 12176.0/37

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 2.721+/-0.079 χ^2/NDF:3399.9/19

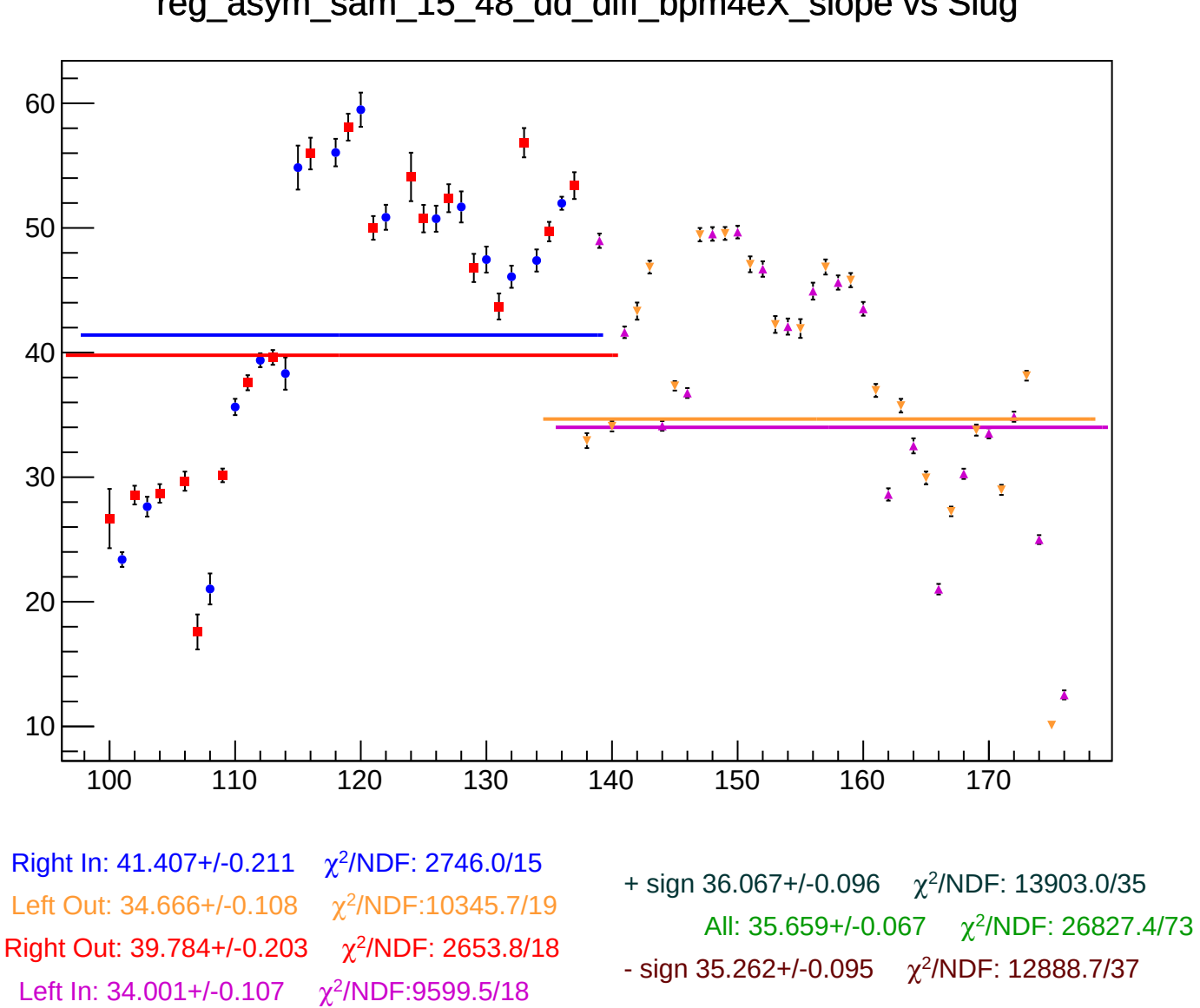
Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

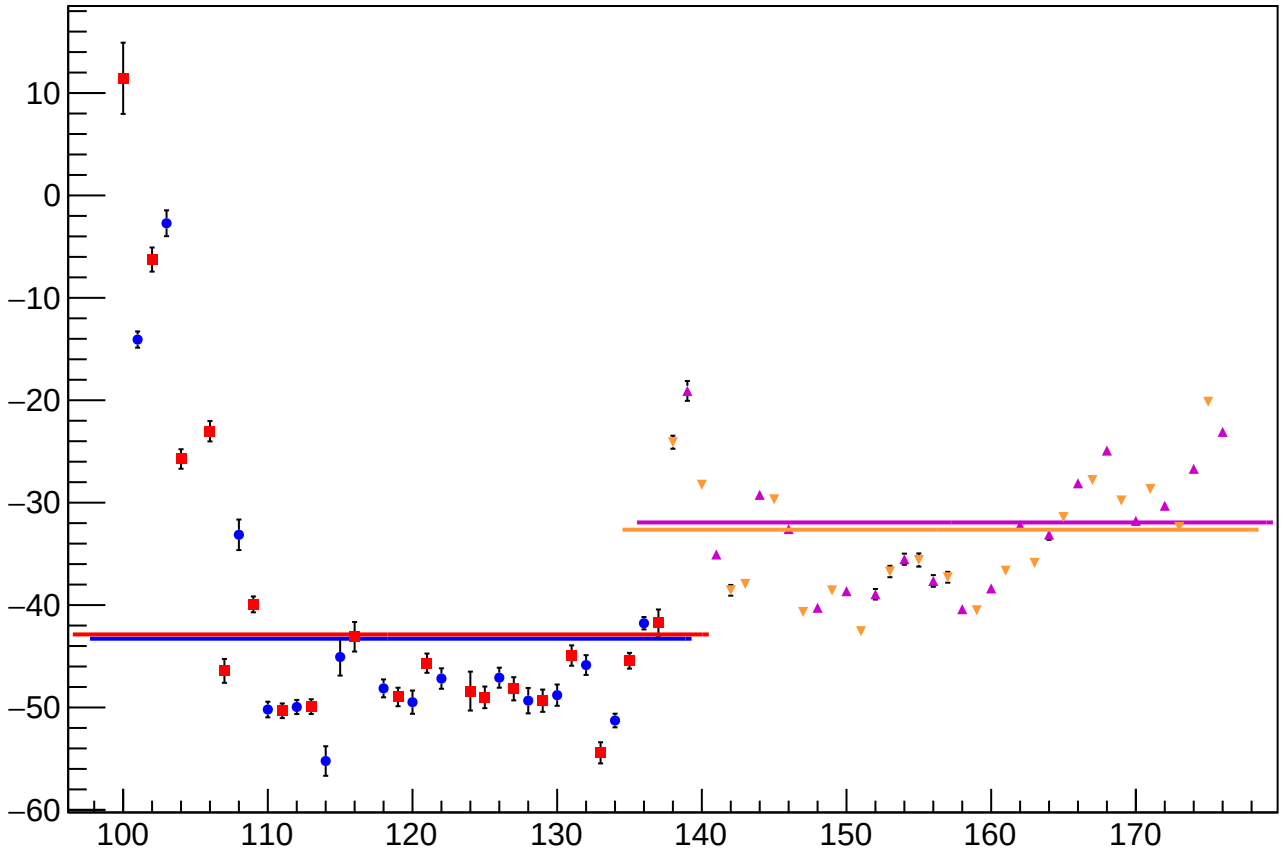
Left In: 2.746+/-0.079 χ^2/NDF:2380.3/18

+ sign 2.555+/-0.074 χ^2/NDF: 6513.6/35

All: 2.527+/-0.052 χ^2/NDF: 11344.0/73

- sign 2.500+/-0.074 χ^2/NDF: 4830.1/37


reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 41.407+/-0.211 χ²/NDF: 2746.0/15
Left Out: 34.666+/-0.108 χ²/NDF:10345.7/19
Right Out: 39.784+/-0.203 χ²/NDF: 2653.8/18
Left In: 34.001+/-0.107 χ²/NDF:9599.5/18
+ sign 36.067+/-0.096 χ²/NDF: 13903.0/35
All: 35.659+/-0.067 χ²/NDF: 26827.4/73
- sign 35.262+/-0.095 χ²/NDF: 12888.7/37



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -32.638+/-0.090 χ^2/NDF:4421.4/19

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

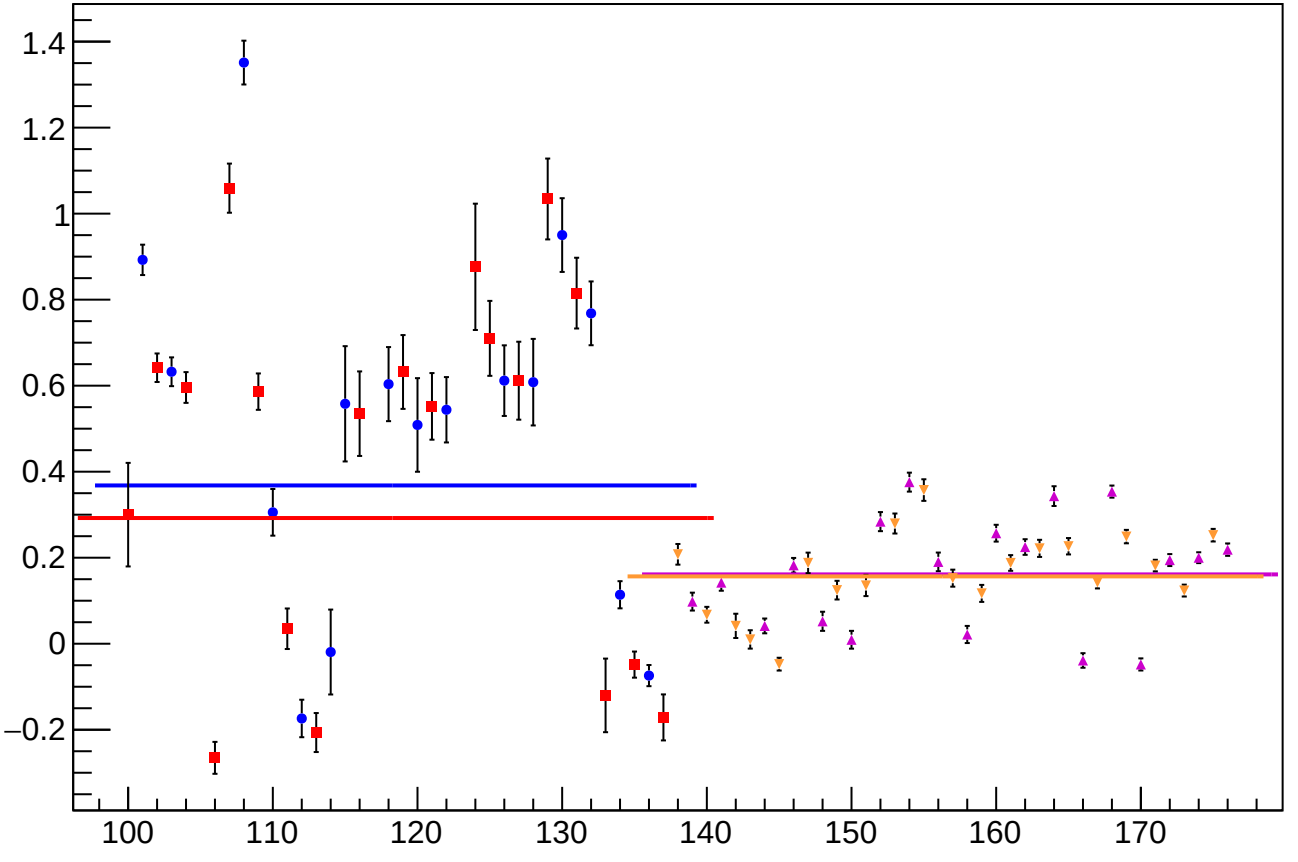
Left In: -31.933+/-0.090 χ^2/NDF:3376.6/18

+ sign -34.062+/-0.084 χ^2/NDF: 9273.8/35

All: -33.729+/-0.059 χ^2/NDF: 17110.3/73

- sign -33.397+/-0.084 χ^2/NDF: 7804.9/37

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: 0.157+/-0.004 χ^2/NDF:494.9/19

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

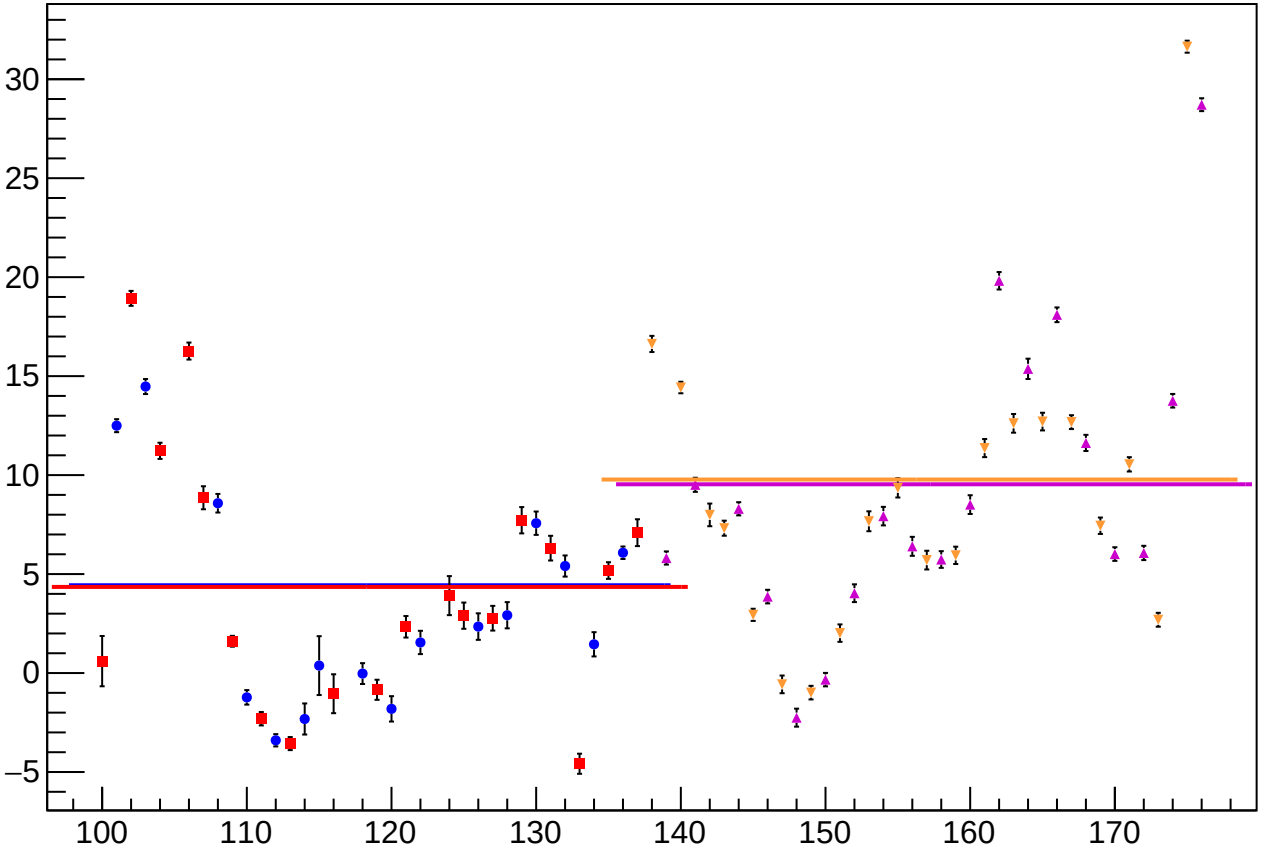
Left In: 0.161+/-0.004 χ^2/NDF:991.9/18

+ sign 0.178+/-0.004 χ^2/NDF: 2085.8/35

All: 0.176+/-0.003 χ^2/NDF: 4383.1/73

- sign 0.174+/-0.004 χ^2/NDF: 2296.8/37

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: 9.776+/-0.088 χ^2/NDF:8861.8/19

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

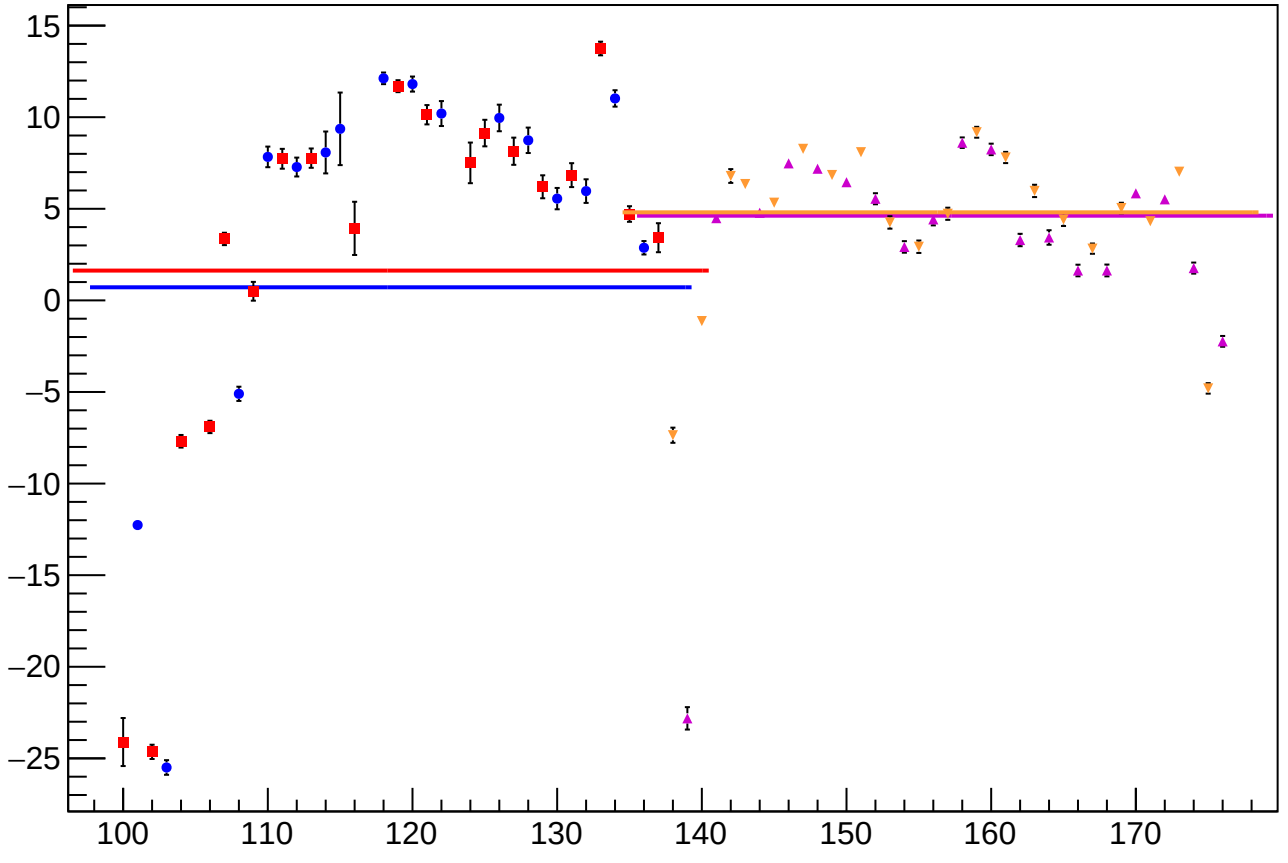
Left In: 9.536+/-0.088 χ^2/NDF:7248.9/18

+ sign 7.850+/-0.070 χ^2/NDF: 12817.3/35

All: 7.661+/-0.049 χ^2/NDF: 25648.5/73

- sign 7.479+/-0.069 χ^2/NDF: 12817.0/37

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.807+/-0.063 χ^2/NDF:3660.3/19

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

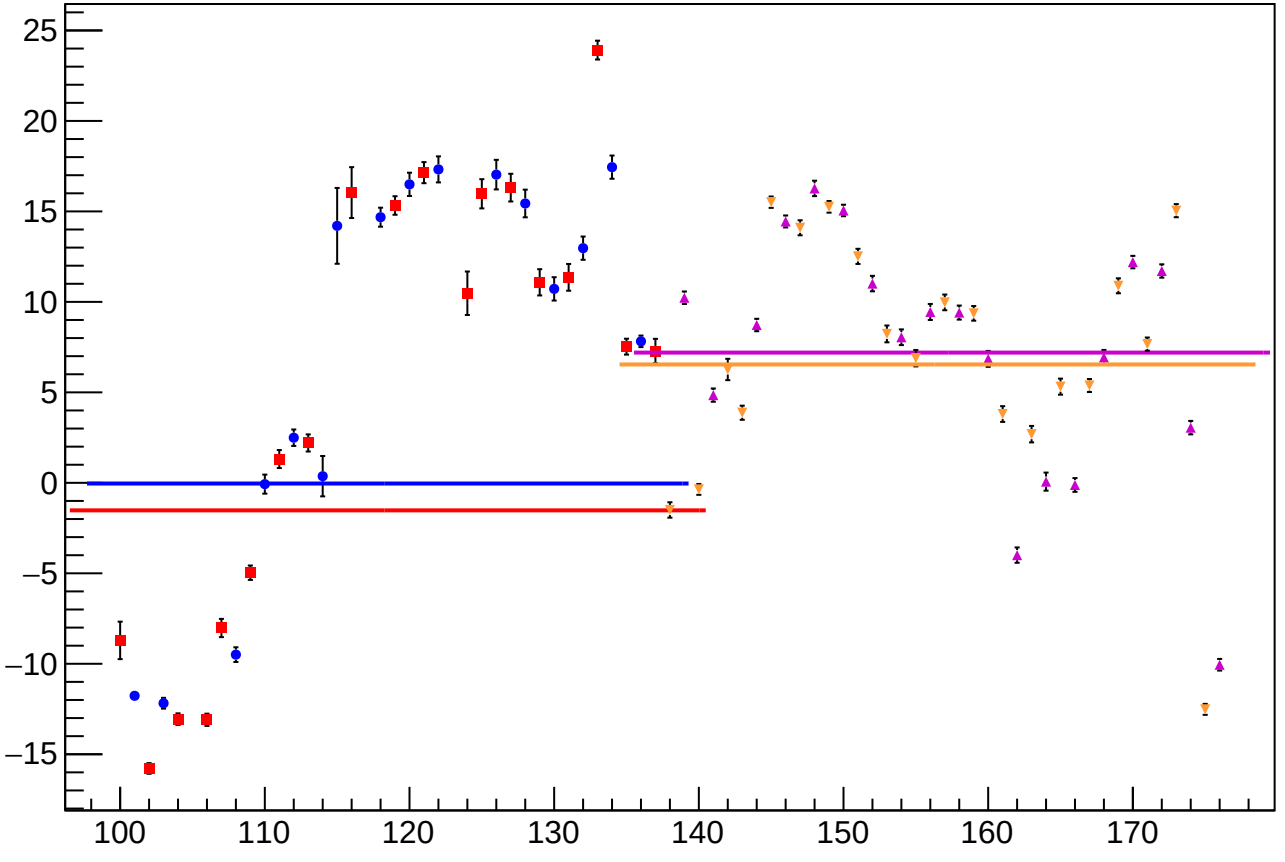
Left In: 4.623+/-0.065 χ^2/NDF:3627.1/18

+ sign 3.863+/-0.056 χ^2/NDF: 15072.9/35

All: 3.859+/-0.040 χ^2/NDF: 28497.1/73

- sign 3.855+/-0.056 χ^2/NDF: 13424.3/37

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 6.542+/-0.087 χ^2/NDF:7878.9/19

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

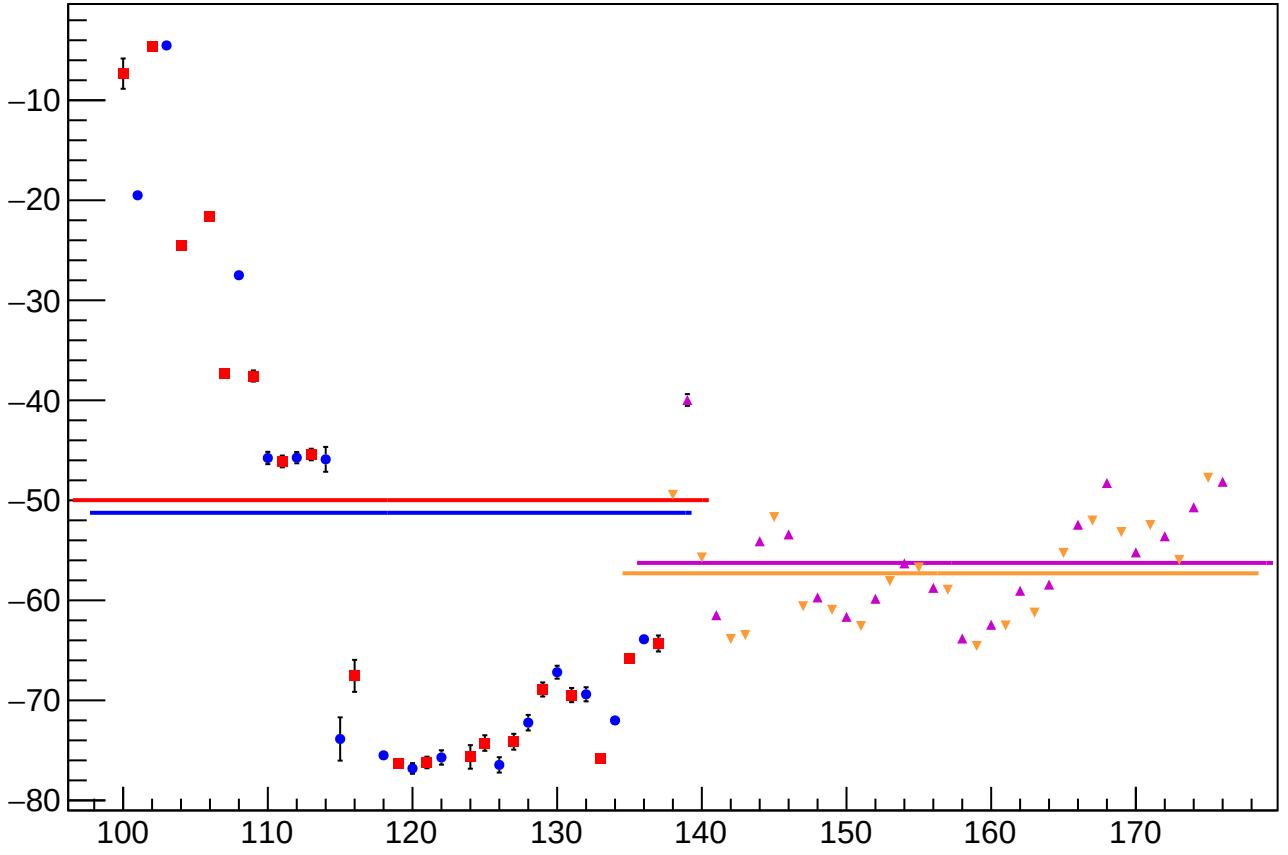
Left In: 7.198+/-0.087 χ^2/NDF:6450.8/18

+ sign 4.267+/-0.070 χ^2/NDF: 19141.7/35

All: 4.141+/-0.049 χ^2/NDF: 41374.6/73

- sign 4.017+/-0.070 χ^2/NDF: 22226.5/37

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -57.296+/-0.073 χ^2/NDF:4596.4/19

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

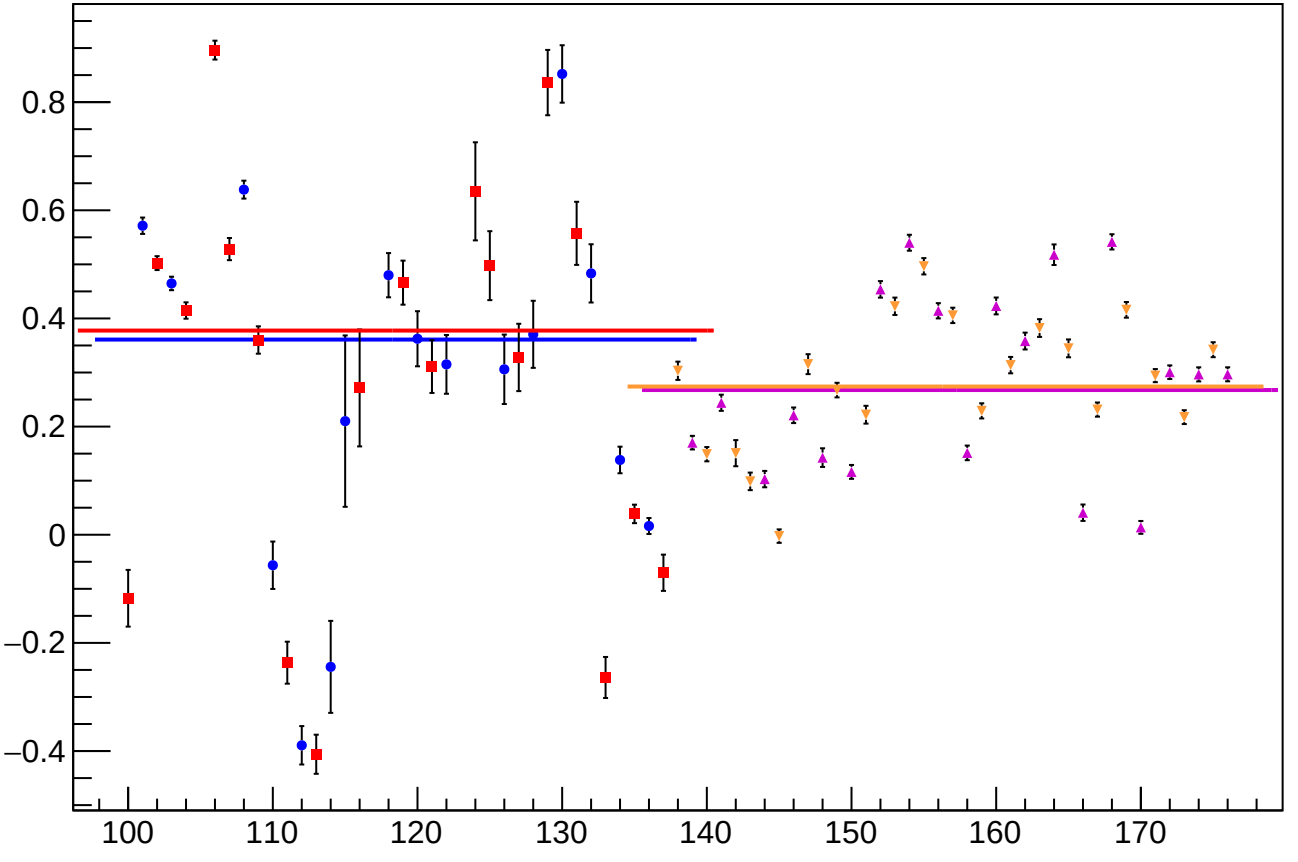
Left In: -56.258+/-0.074 χ^2/NDF:4610.1/18

+ sign -55.948+/-0.064 χ^2/NDF: 39905.1/35

All: -55.343+/-0.045 χ^2/NDF: 80331.5/73

- sign -54.731+/-0.064 χ^2/NDF: 40247.3/37

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: 0.274+/-0.003 χ^2/NDF:1362.8/19

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

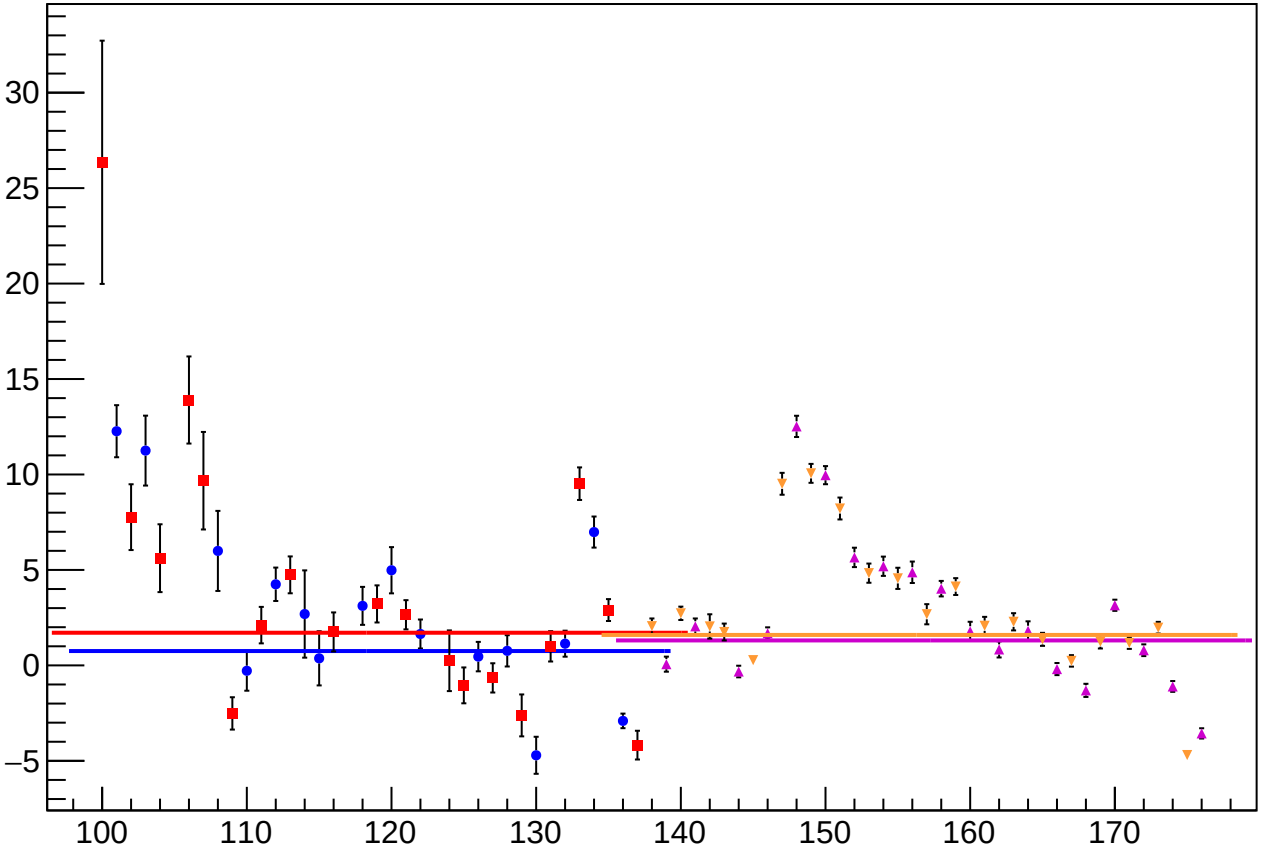
Left In: 0.268+/-0.003 χ^2/NDF:2435.5/18

+ sign 0.292+/-0.003 χ^2/NDF: 3369.6/35

All: 0.292+/-0.002 χ^2/NDF: 8847.7/73

- sign 0.292+/-0.003 χ^2/NDF: 5478.1/37

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: 1.595+/-0.086 χ^2/NDF:1408.5/19

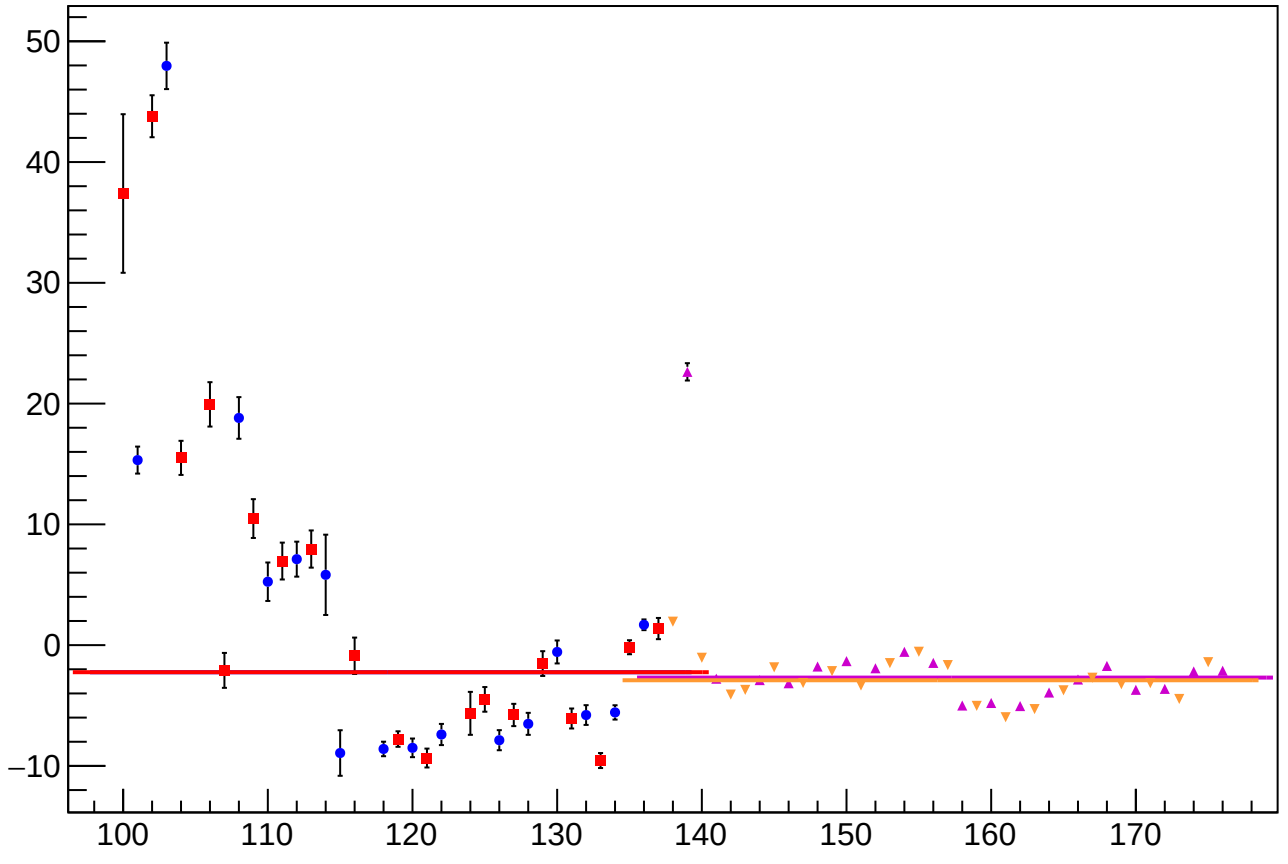
Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 1.307+/-0.085 χ^2/NDF:1525.4/18

\+ sign 1.477+/-0.080 χ^2/NDF: 1752.1/35

All: 1.417+/-0.056 χ^2/NDF: 3575.3/73

\- sign 1.358+/-0.079 χ^2/NDF: 1822.1/37



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.908+/-0.064 χ^2/NDF:604.8/19

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

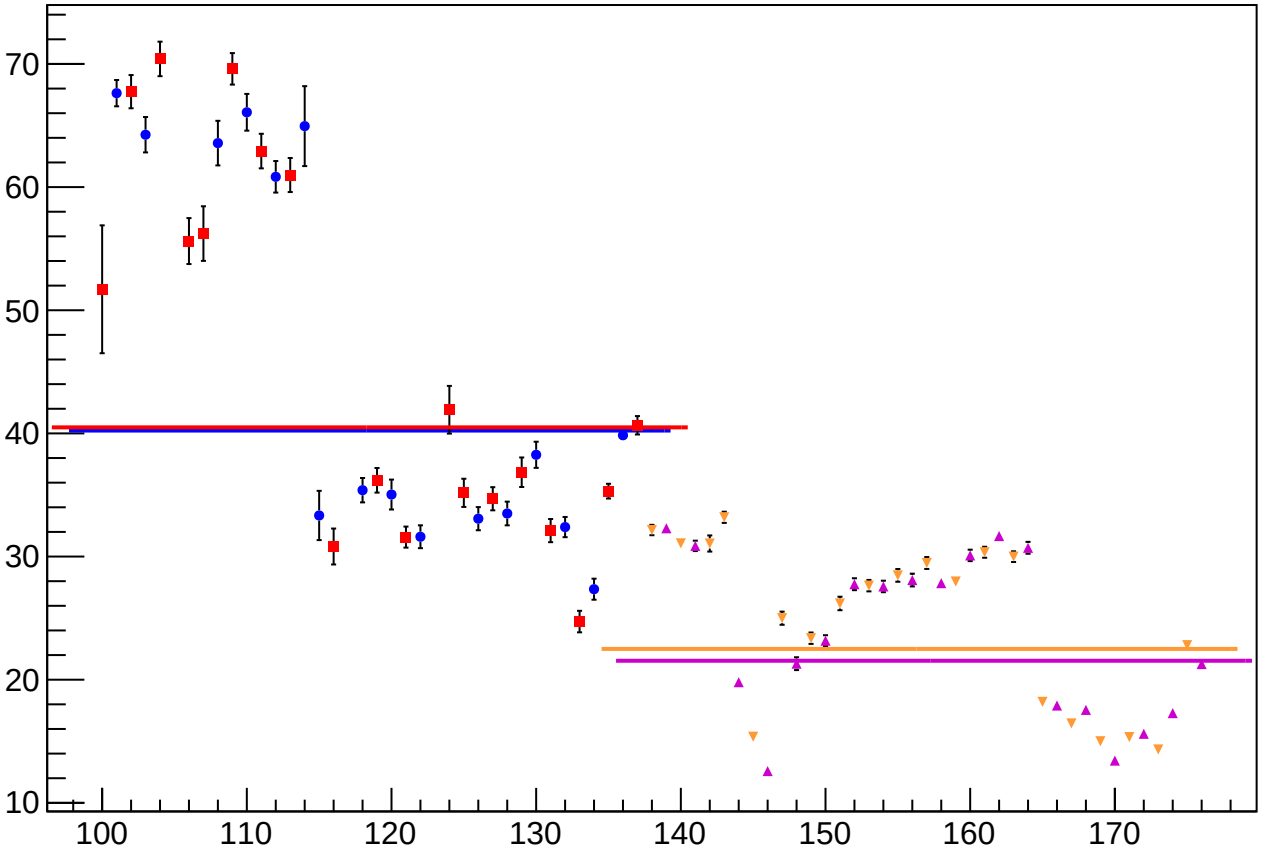
Left In: -2.688+/-0.063 χ^2/NDF:1572.3/18

+ sign -2.855+/-0.061 χ^2/NDF: 2186.0/35

All: -2.756+/-0.043 χ^2/NDF: 5322.8/73

- sign -2.656+/-0.061 χ^2/NDF: 3131.5/37

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: 22.501+/-0.085 χ^2/NDF:5990.4/19

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

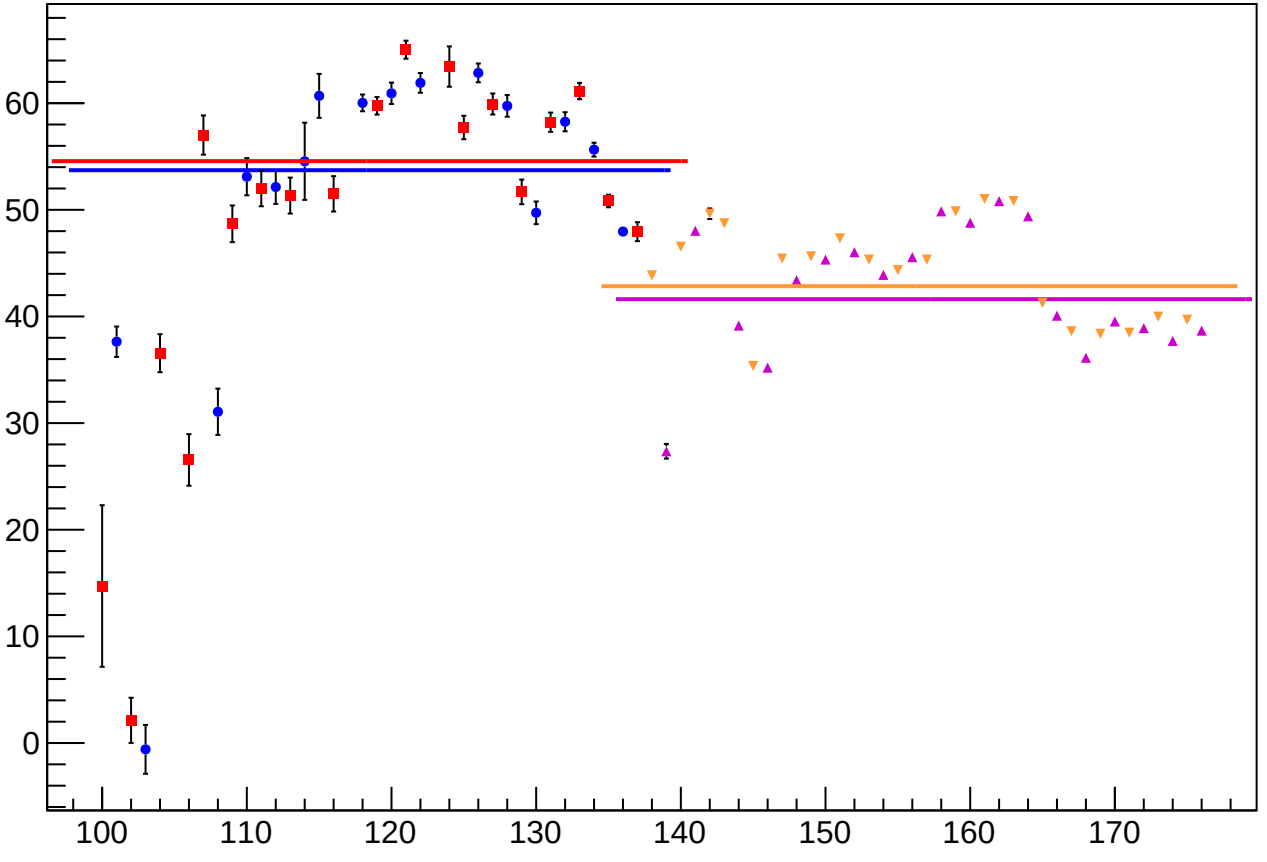
Left In: 21.539+/-0.084 χ^2/NDF:5775.0/18

+ sign 24.623+/-0.080 χ^2/NDF: 13448.6/35

All: 24.045+/-0.057 χ^2/NDF: 27168.9/73

- sign 23.469+/-0.080 χ^2/NDF: 13616.2/37

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.839+/-0.072 χ^2/NDF:4584.7/19

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

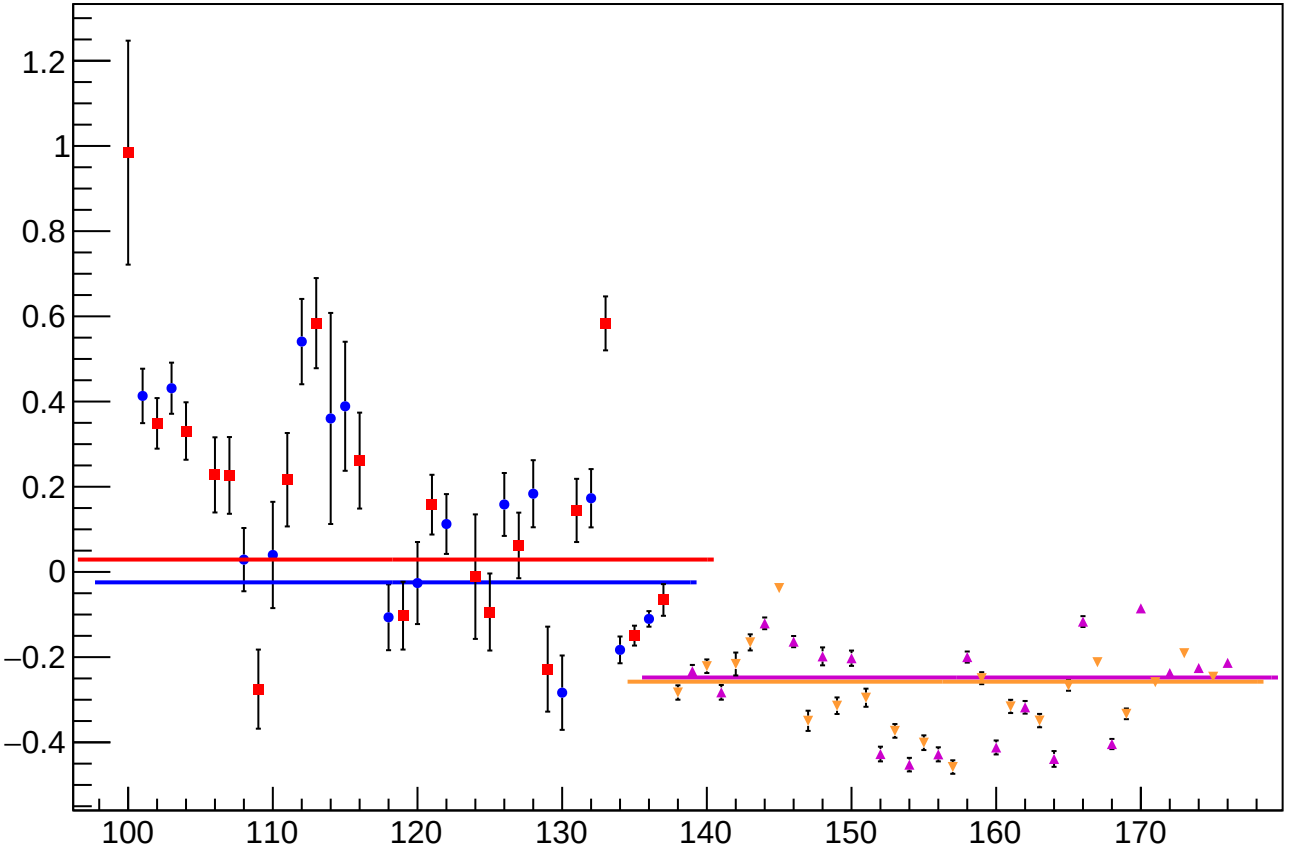
Left In: 41.621+/-0.071 χ^2/NDF:5139.5/18

+ sign 43.738+/-0.069 χ^2/NDF: 7847.0/35

All: 43.147+/-0.049 χ^2/NDF: 16847.2/73

- sign 42.554+/-0.069 χ^2/NDF: 8852.0/37

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: -0.258+/-0.003 χ^2/NDF:894.2/19

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

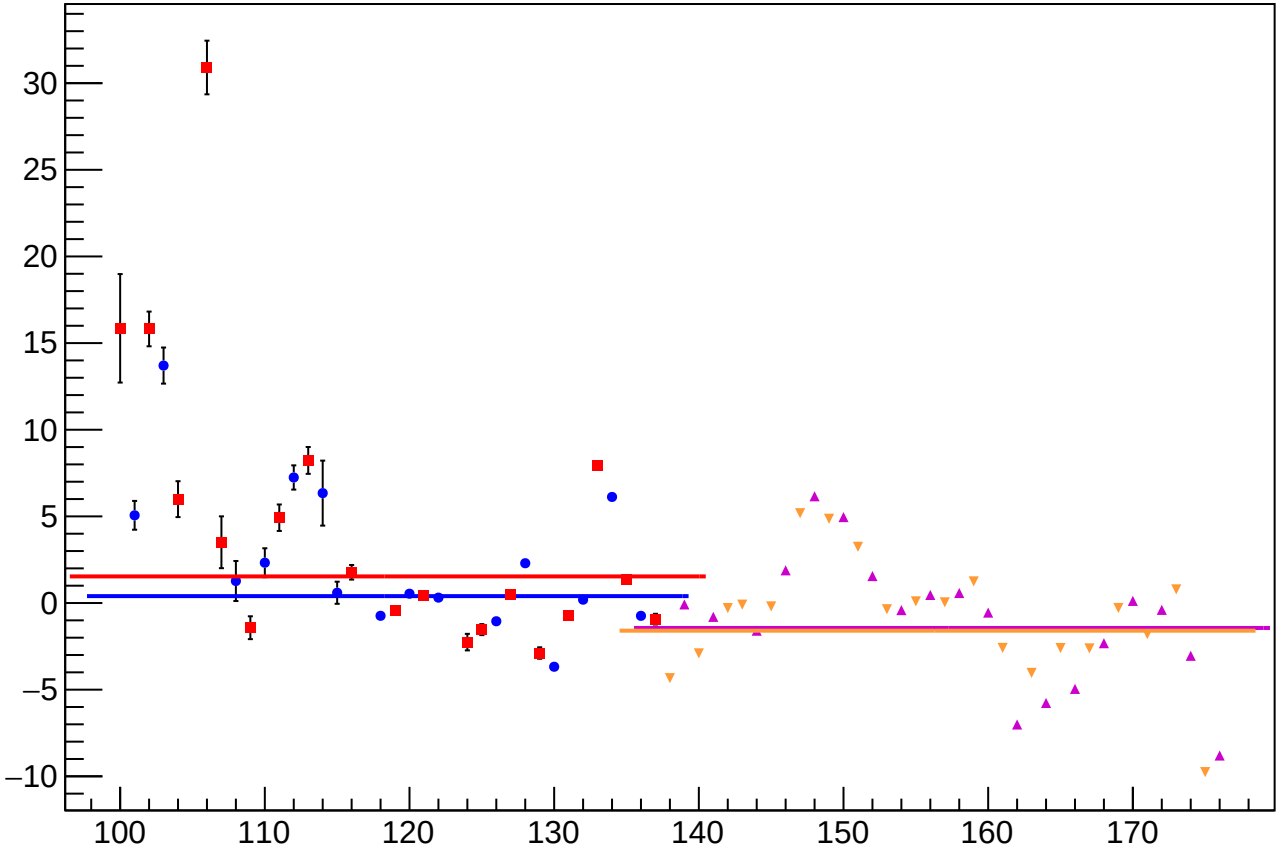
Left In: -0.248+/-0.003 χ^2/NDF:1328.4/18

+ sign -0.244+/-0.003 χ^2/NDF: 1435.9/35

All: -0.239+/-0.002 χ^2/NDF: 3404.9/73

- sign -0.235+/-0.003 χ^2/NDF: 1965.1/37

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: -1.596+/-0.033 χ^2/NDF:12567.8/19

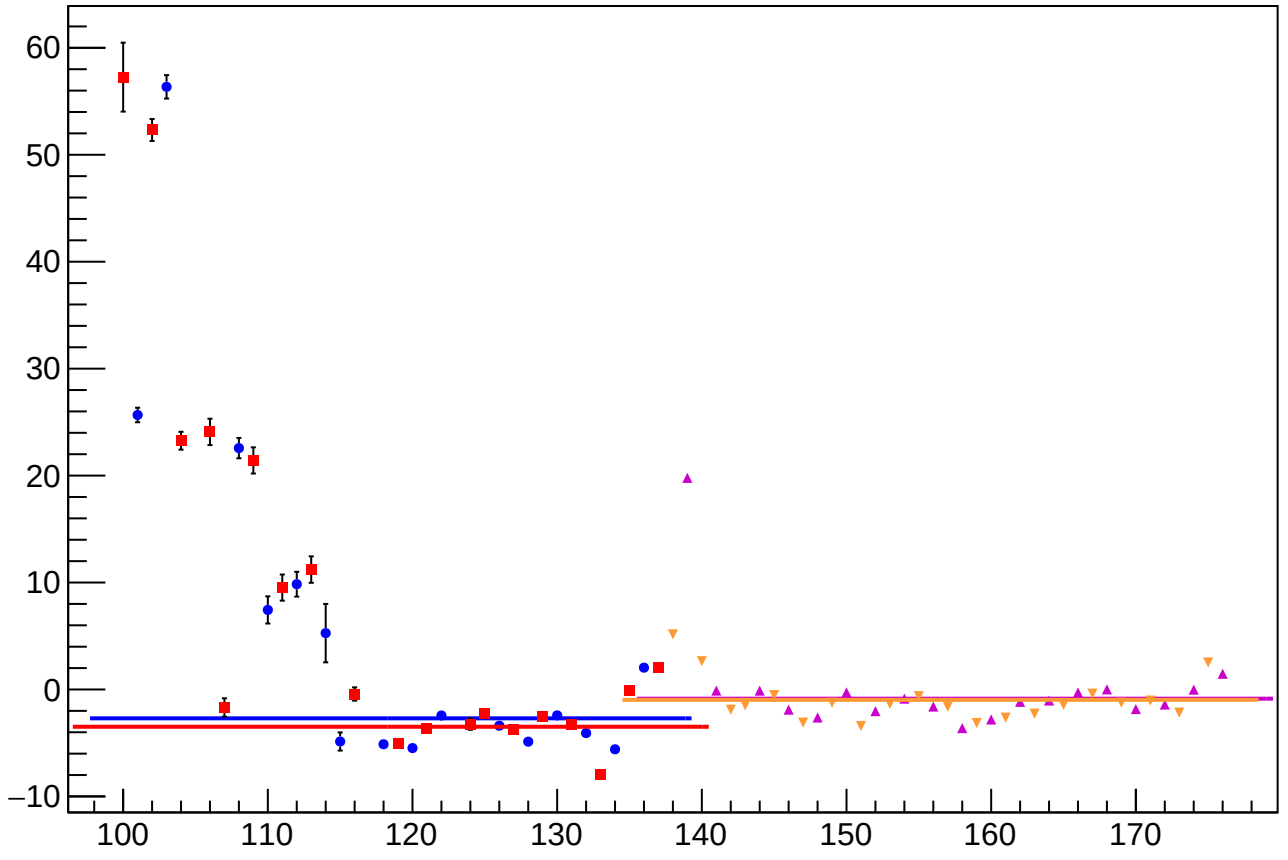
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -1.440+/-0.032 χ^2/NDF:12035.4/18

\+ sign -1.290+/-0.030 χ^2/NDF: 14231.9/35

All: -1.145+/-0.021 χ^2/NDF: 29959.8/73

\- sign -1.002+/-0.030 χ^2/NDF: 15682.1/37



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.970+/-0.024 χ^2/NDF:5922.0/19

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

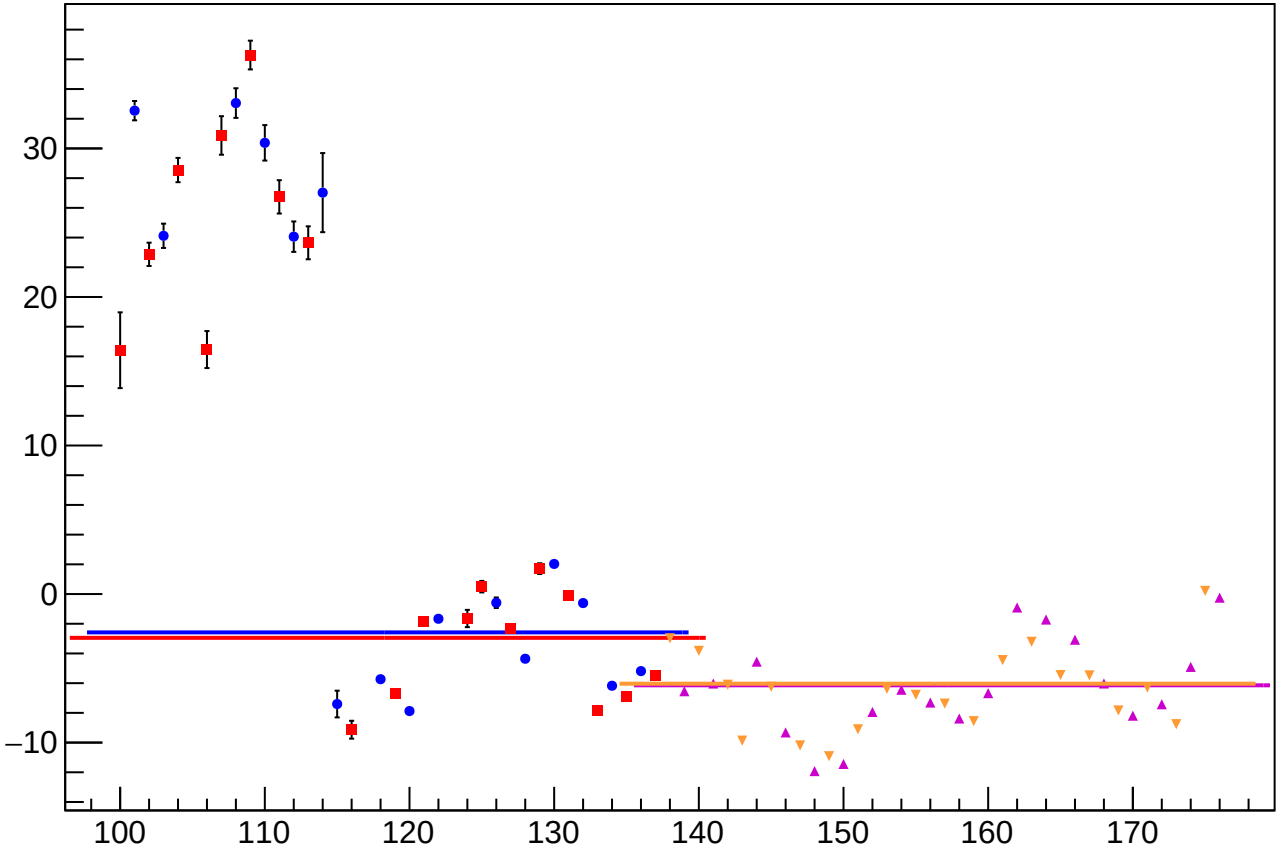
Left In: -0.860+/-0.024 χ^2/NDF:9038.0/18

+ sign -1.152+/-0.023 χ^2/NDF: 13560.4/35

All: -1.143+/-0.016 χ^2/NDF: 30988.2/73

- sign -1.134+/-0.023 χ^2/NDF: 17427.4/37

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.035+/-0.033 χ^2/NDF:8548.1/19

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

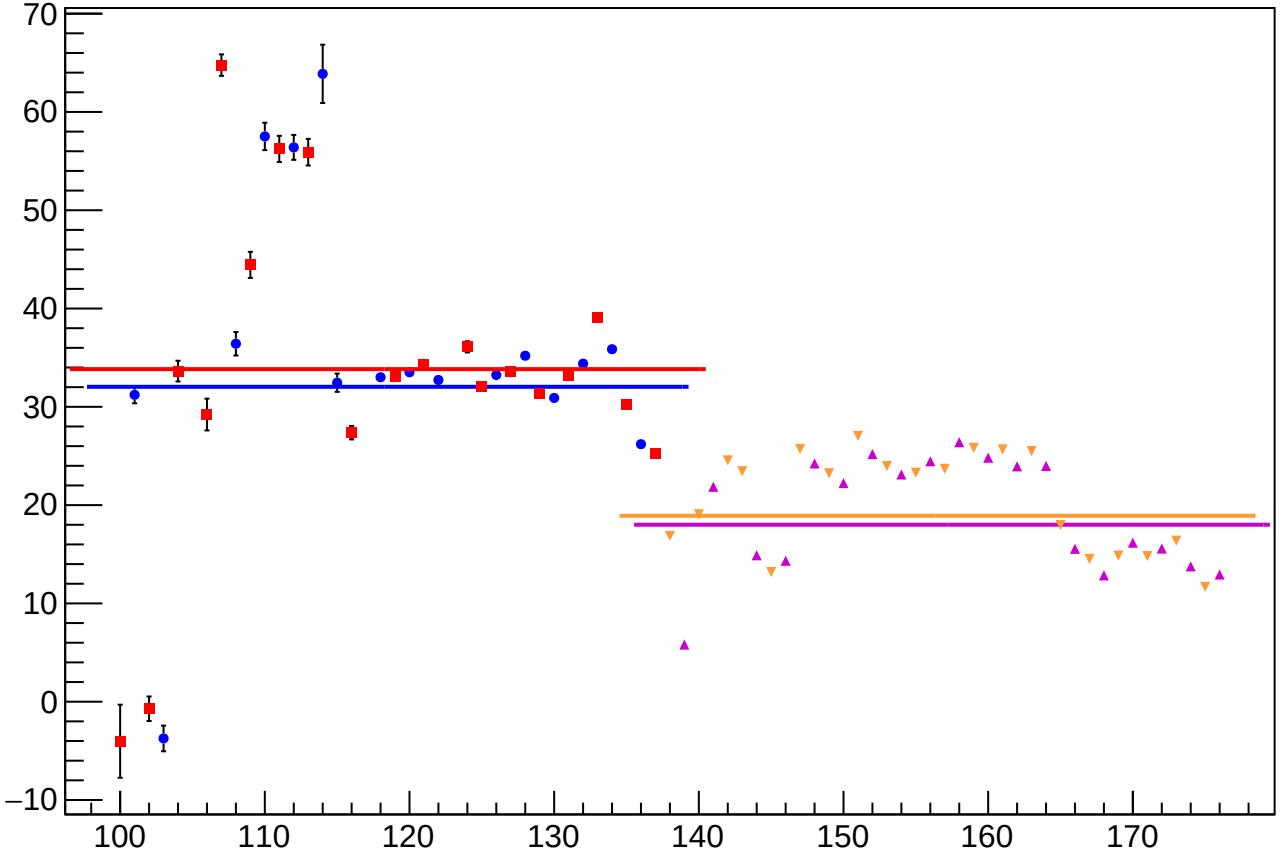
Left In: -6.145+/-0.032 χ^2/NDF:9253.8/18

+ sign -5.574+/-0.030 χ^2/NDF: 18204.9/35

All: -5.659+/-0.021 χ^2/NDF: 36908.1/73

- sign -5.742+/-0.030 χ^2/NDF: 18687.9/37

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: 18.918+/-0.028 χ^2/NDF:34738.6/19

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

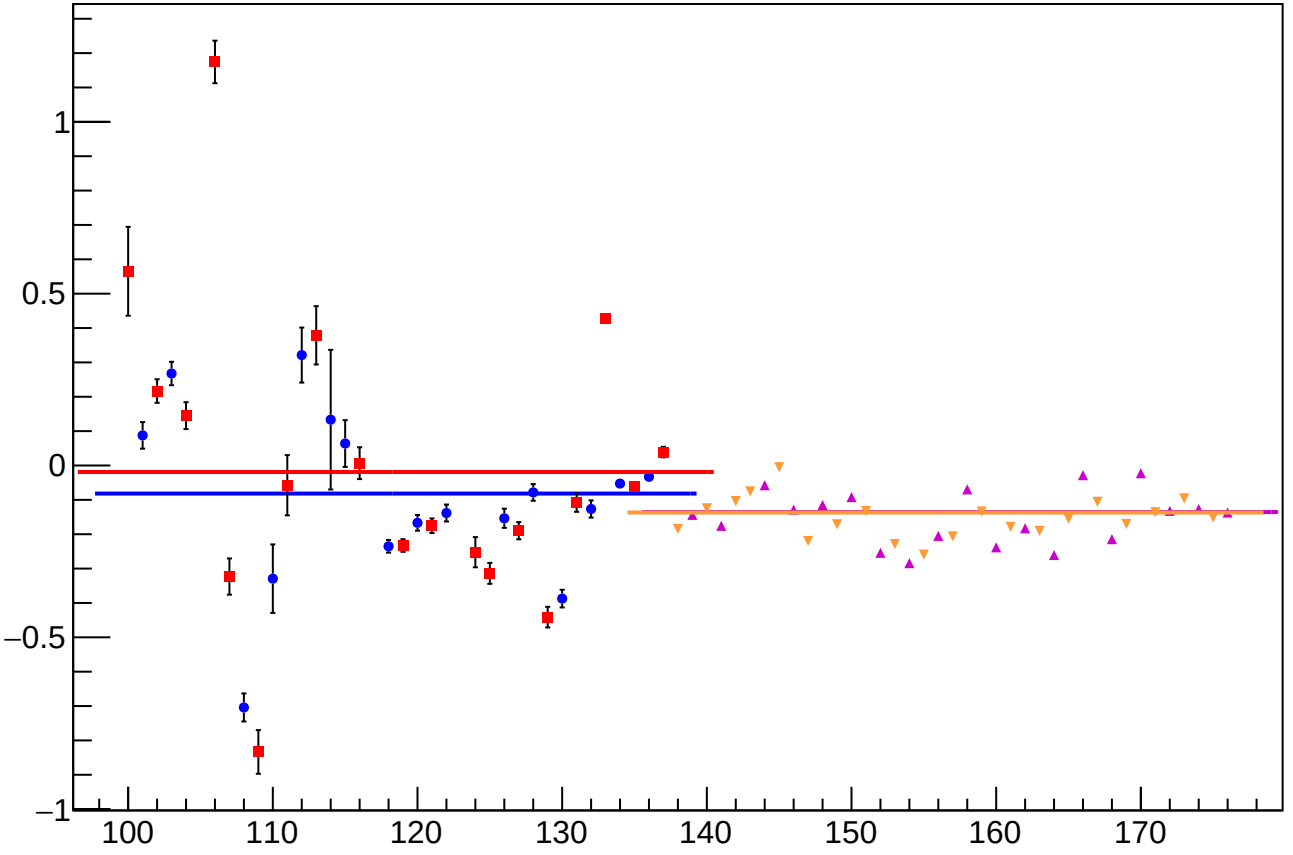
Left In: 18.006+/-0.027 χ^2/NDF:31241.3/18

+ sign 20.268+/-0.026 χ^2/NDF: 61365.1/35

All: 19.940+/-0.018 χ^2/NDF: 130959.2/73

- sign 19.614+/-0.026 χ^2/NDF: 69279.5/37

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: -0.137+/-0.001 χ^2/NDF:2369.2/19

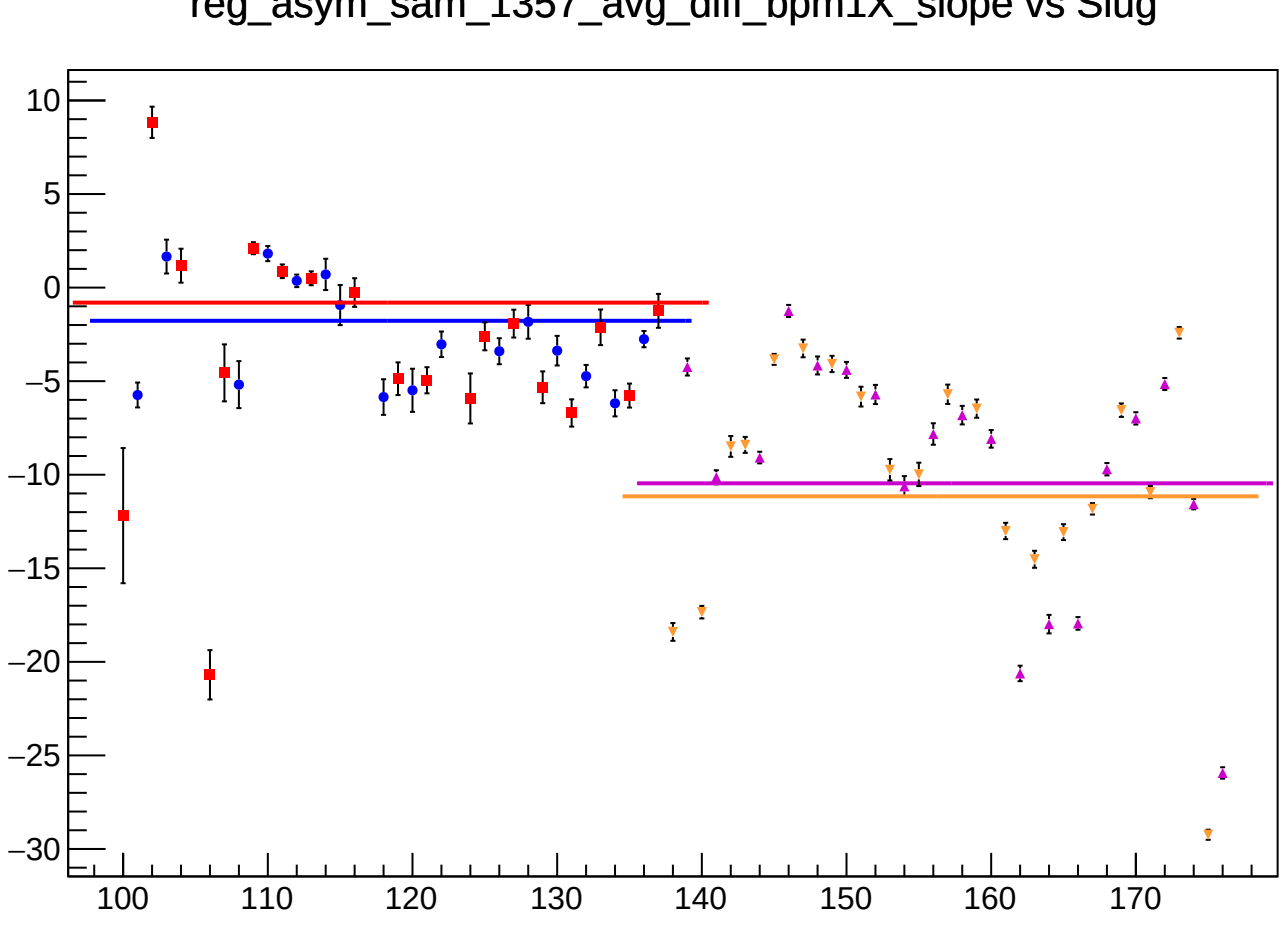
Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.135+/-0.001 χ^2/NDF:3563.9/18

+ sign -0.133+/-0.001 χ^2/NDF: 3180.7/35

All: -0.131+/-0.001 χ^2/NDF: 9500.2/73

- sign -0.130+/-0.001 χ^2/NDF: 6314.0/37



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -11.155+/-0.088 χ^2/NDF:7658.0/19

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

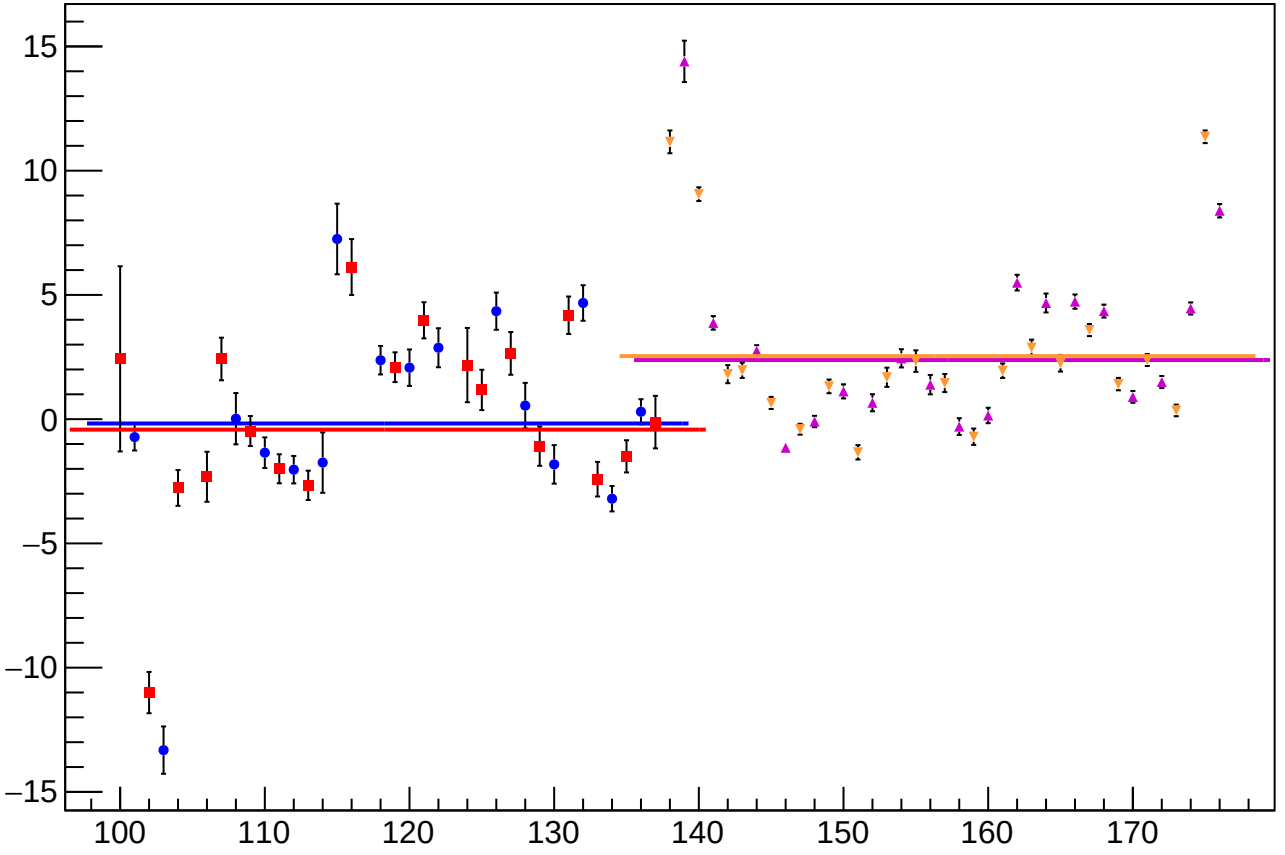
Left In: -10.459+/-0.087 χ^2/NDF:5905.1/18

\+ sign -8.906+/-0.077 χ^2/NDF: 10665.1/35

All: -8.429+/-0.054 χ^2/NDF: 20526.2/73

\- sign -7.972+/-0.075 χ^2/NDF: 9785.8/37

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.537+/-0.064 χ^2/NDF:2797.4/19

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

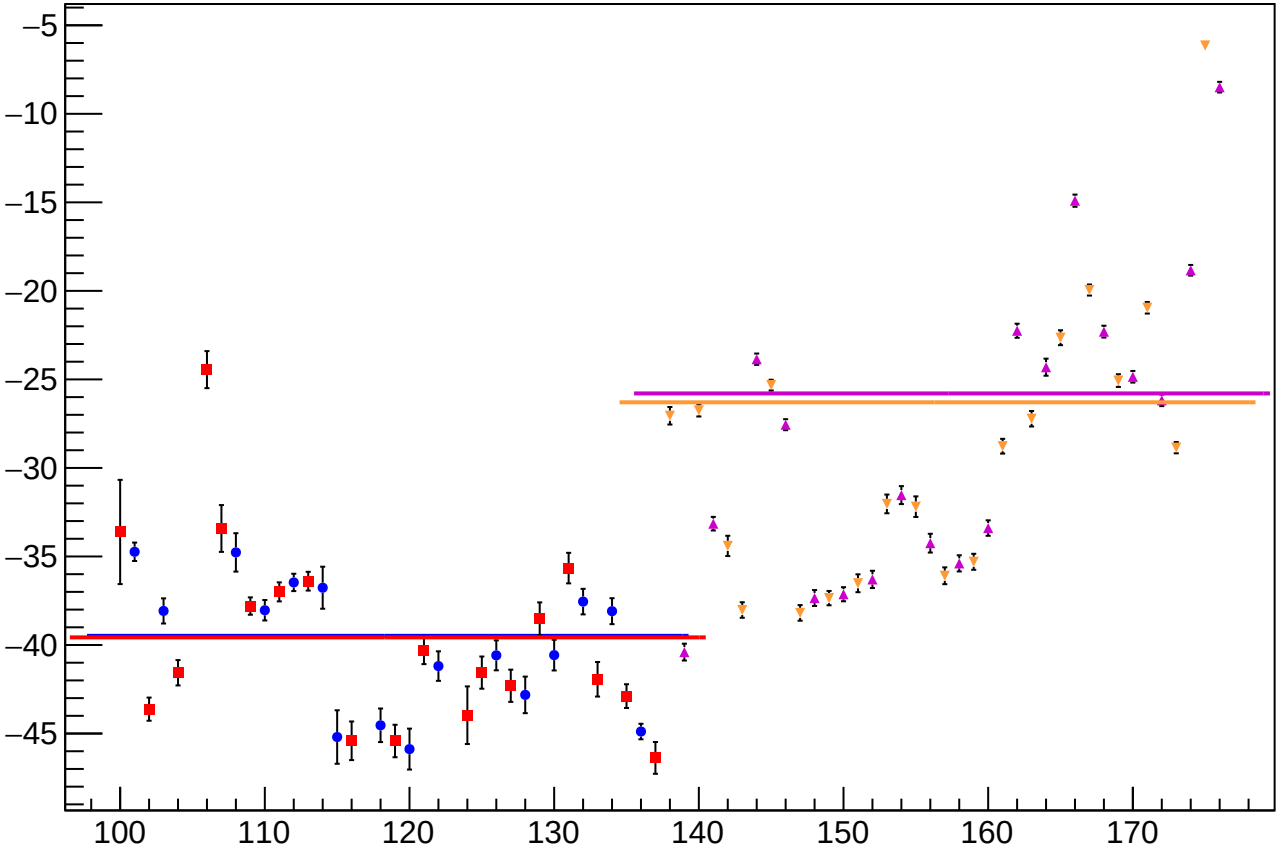
Left In: 2.379+/-0.064 χ^2/NDF:1726.9/18

+ sign 2.208+/-0.060 χ^2/NDF: 3416.3/35

All: 2.131+/-0.043 χ^2/NDF: 5733.6/73

- sign 2.054+/-0.060 χ^2/NDF: 2314.0/37

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -26.293+/-0.088 χ^2/NDF:10273.7/19

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

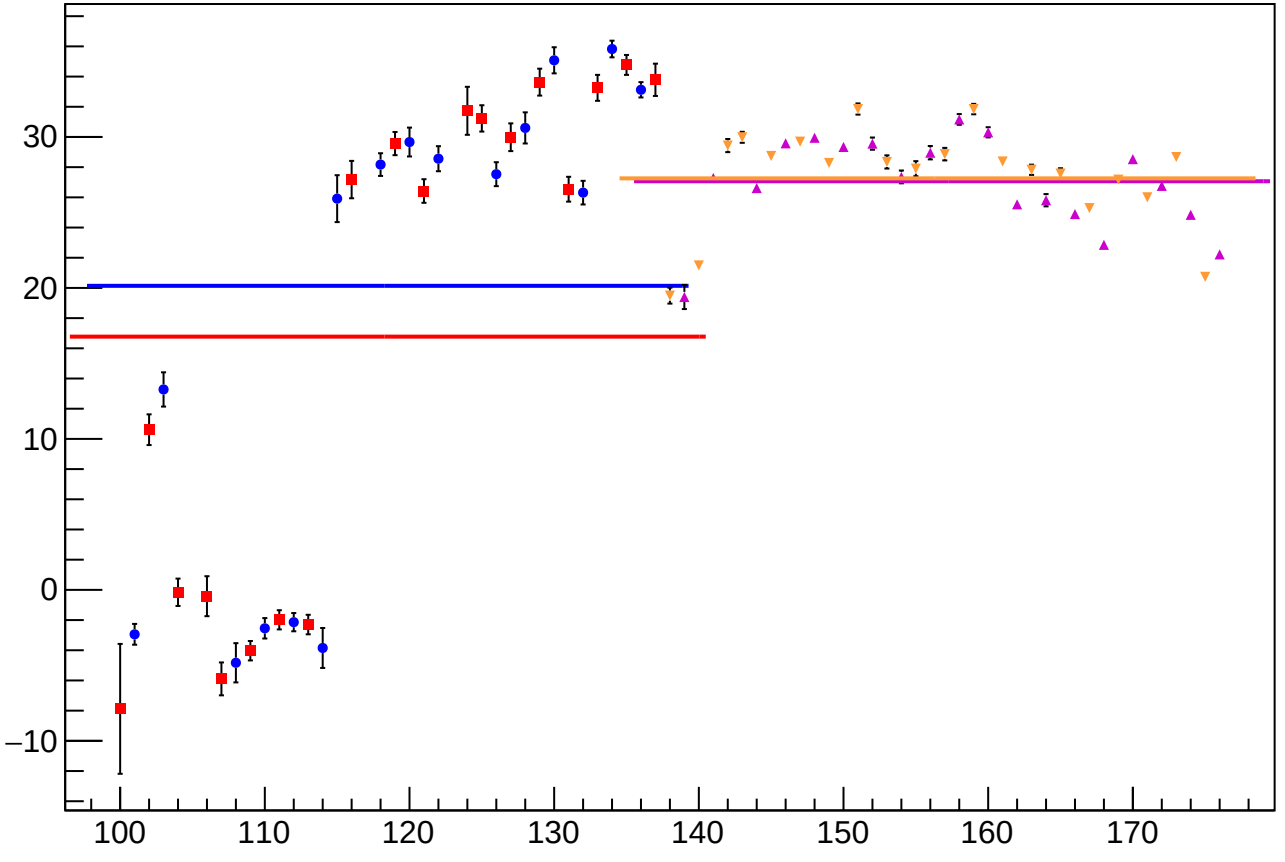
Left In: -25.791+/-0.087 χ^2/NDF:9494.4/18

+ sign -28.815+/-0.079 χ^2/NDF: 15015.5/35

All: -28.589+/-0.056 χ^2/NDF: 29792.9/73

- sign -28.366+/-0.078 χ^2/NDF: 14761.1/37

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.258+/-0.073 χ^2/NDF:1775.8/19

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

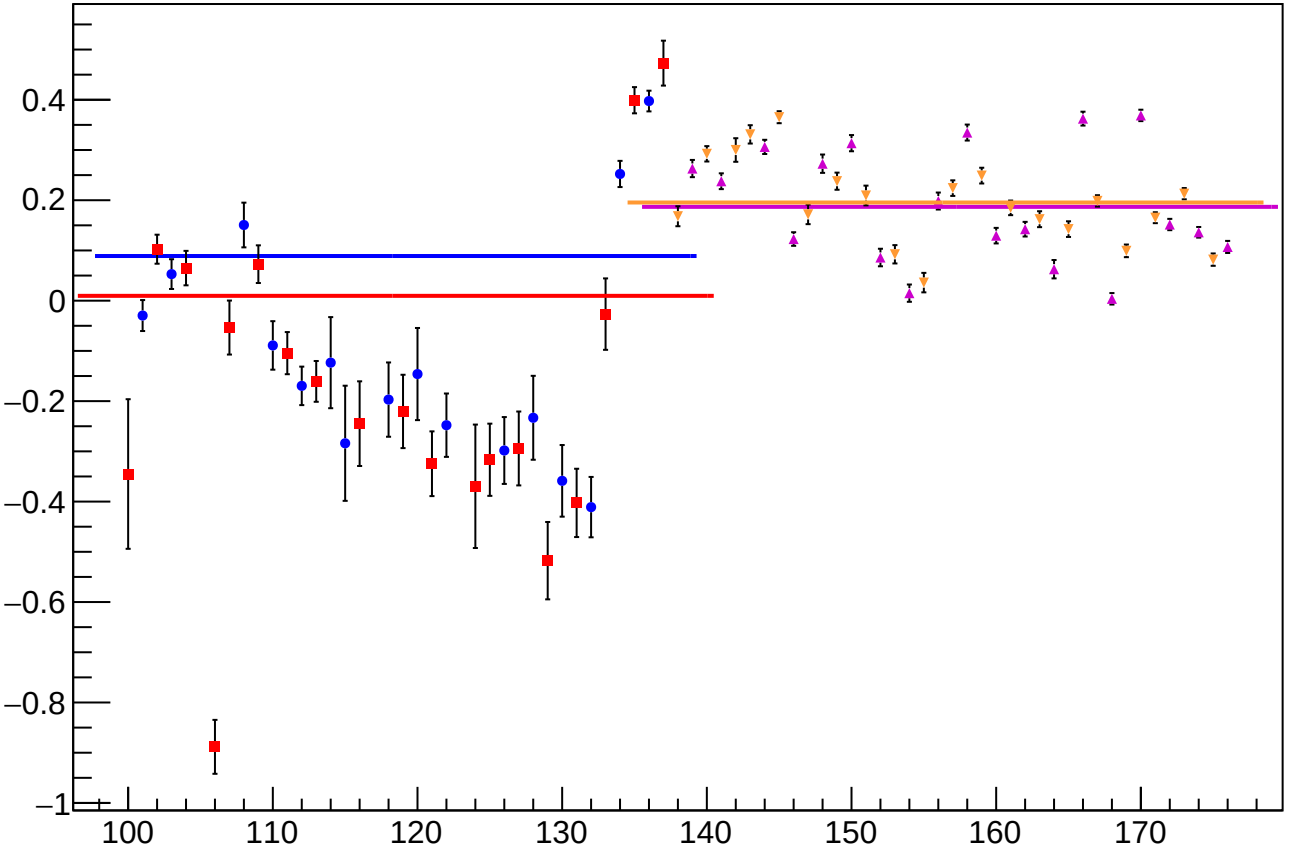
Left In: 27.067+/-0.073 χ^2/NDF:1276.1/18

+ sign 26.379+/-0.068 χ^2/NDF: 9631.7/35

All: 26.118+/-0.048 χ^2/NDF: 20019.5/73

- sign 25.856+/-0.069 χ^2/NDF: 10358.6/37

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.195+/-0.003 χ^2/NDF:612.7/19

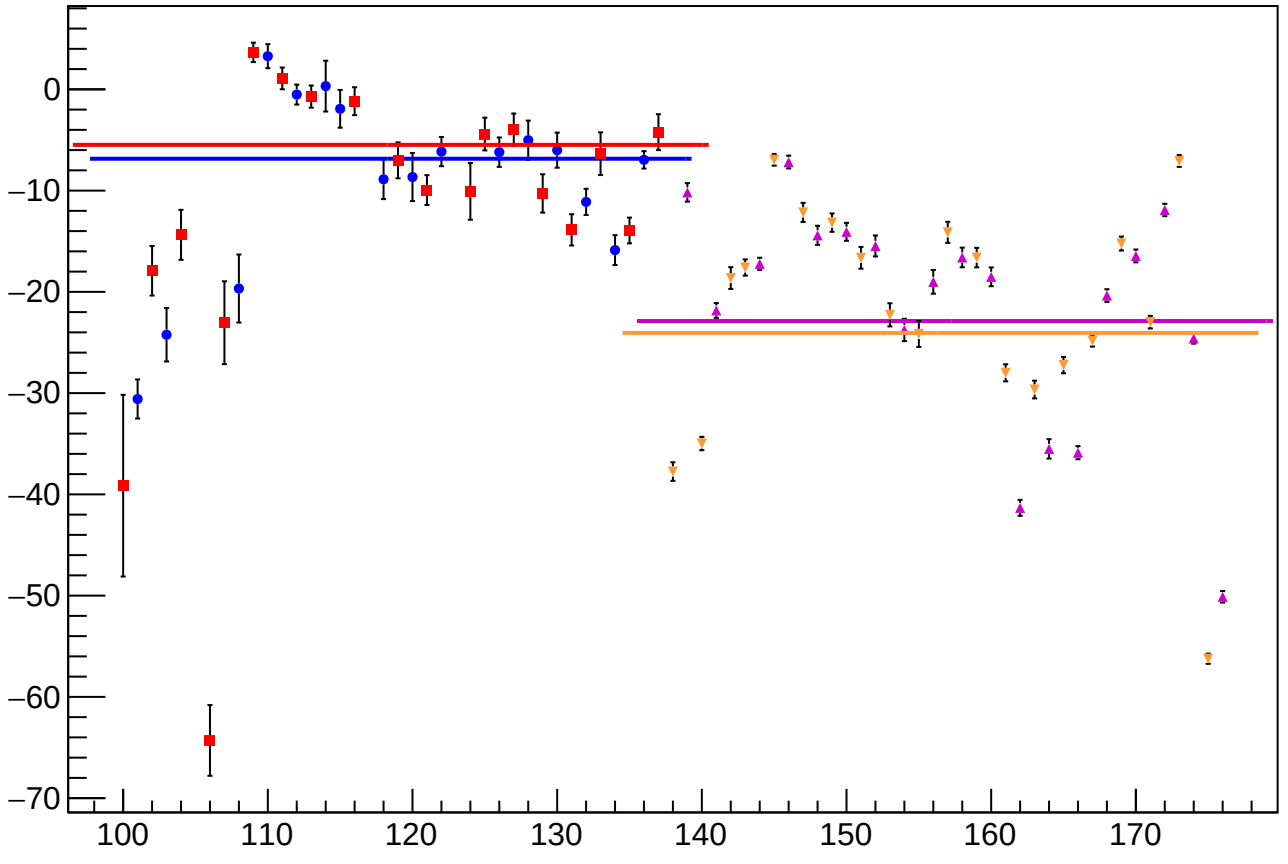
Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.187+/-0.003 χ^2/NDF:1249.5/18

+ sign 0.186+/-0.003 χ^2/NDF: 1271.7/35

All: 0.179+/-0.002 χ^2/NDF: 3602.7/73

- sign 0.173+/-0.003 χ^2/NDF: 2322.3/37



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -24.054+/-0.171 χ^2/NDF:7138.2/19

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

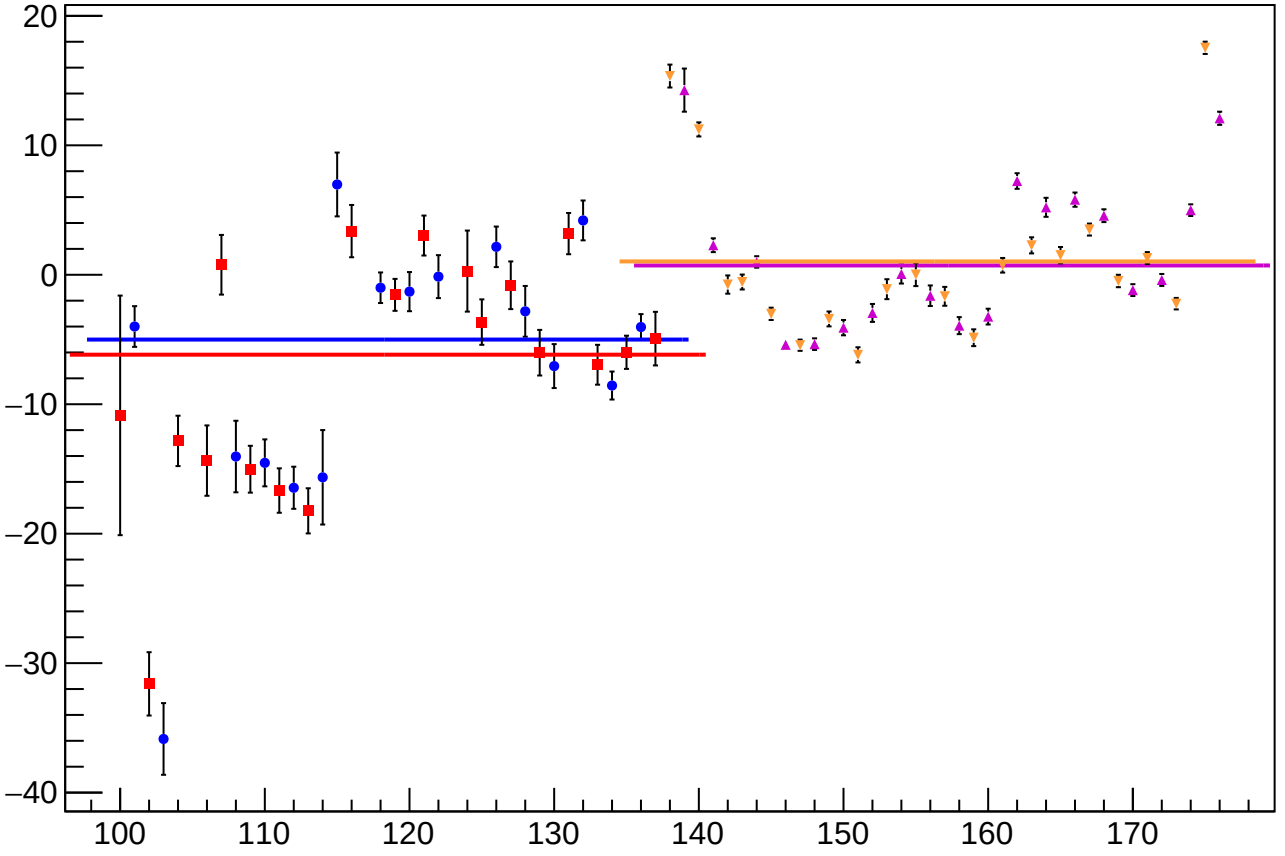
Left In: -22.878+/-0.169 χ^2/NDF:5051.2/18

+ sign -21.102+/-0.156 χ^2/NDF: 9265.6/35

All: -20.474+/-0.109 χ^2/NDF: 16792.5/73

- sign -19.862+/-0.154 χ^2/NDF: 7494.8/37

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 1.032+/-0.125 χ^2/NDF:2543.9/19

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

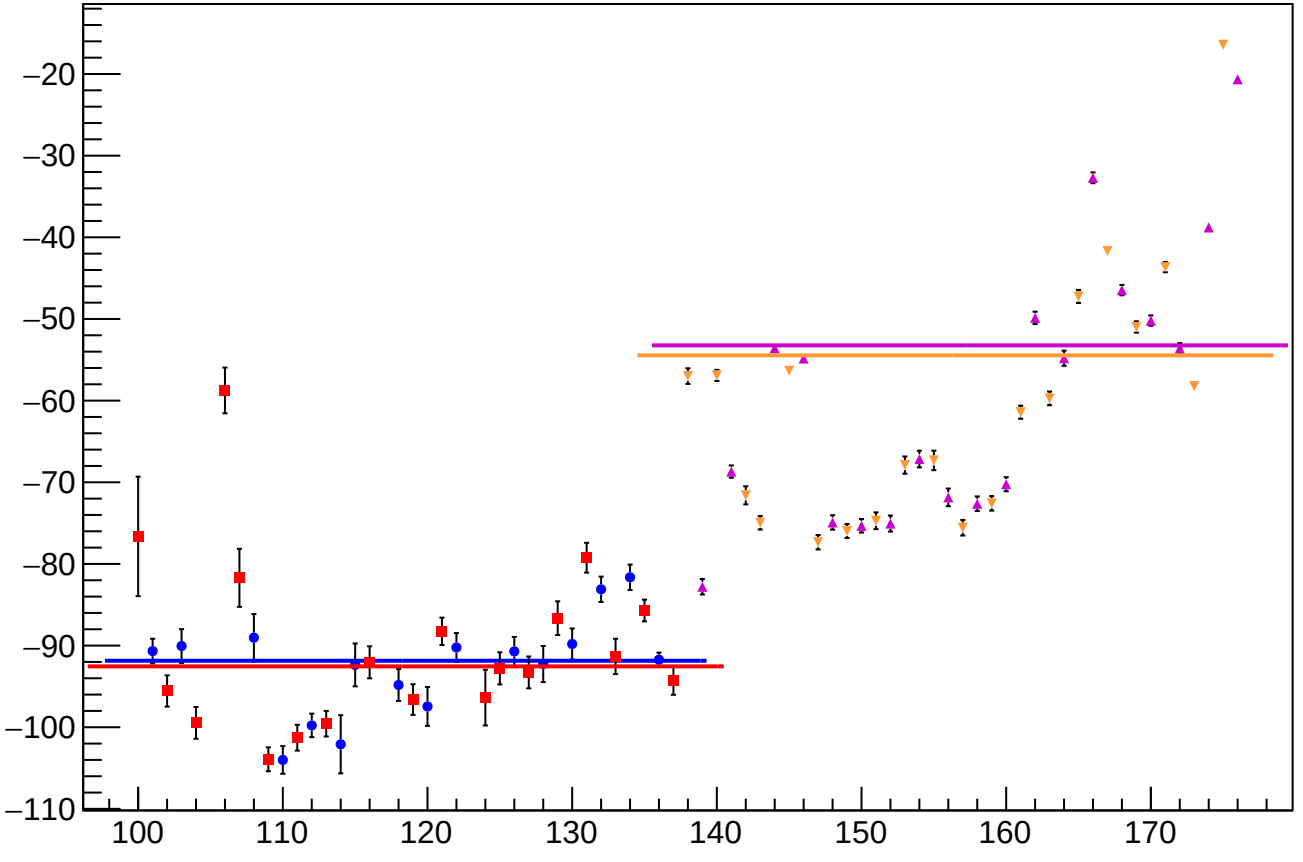
Left In: 0.719+/-0.124 χ^2/NDF:1633.8/18

+ sign 0.482+/-0.119 χ^2/NDF: 3097.6/35

All: 0.318+/-0.084 χ^2/NDF: 5355.7/73

- sign 0.155+/-0.119 χ^2/NDF: 2254.3/37

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -54.452+/-0.170 χ^2/NDF:10489.4/19

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

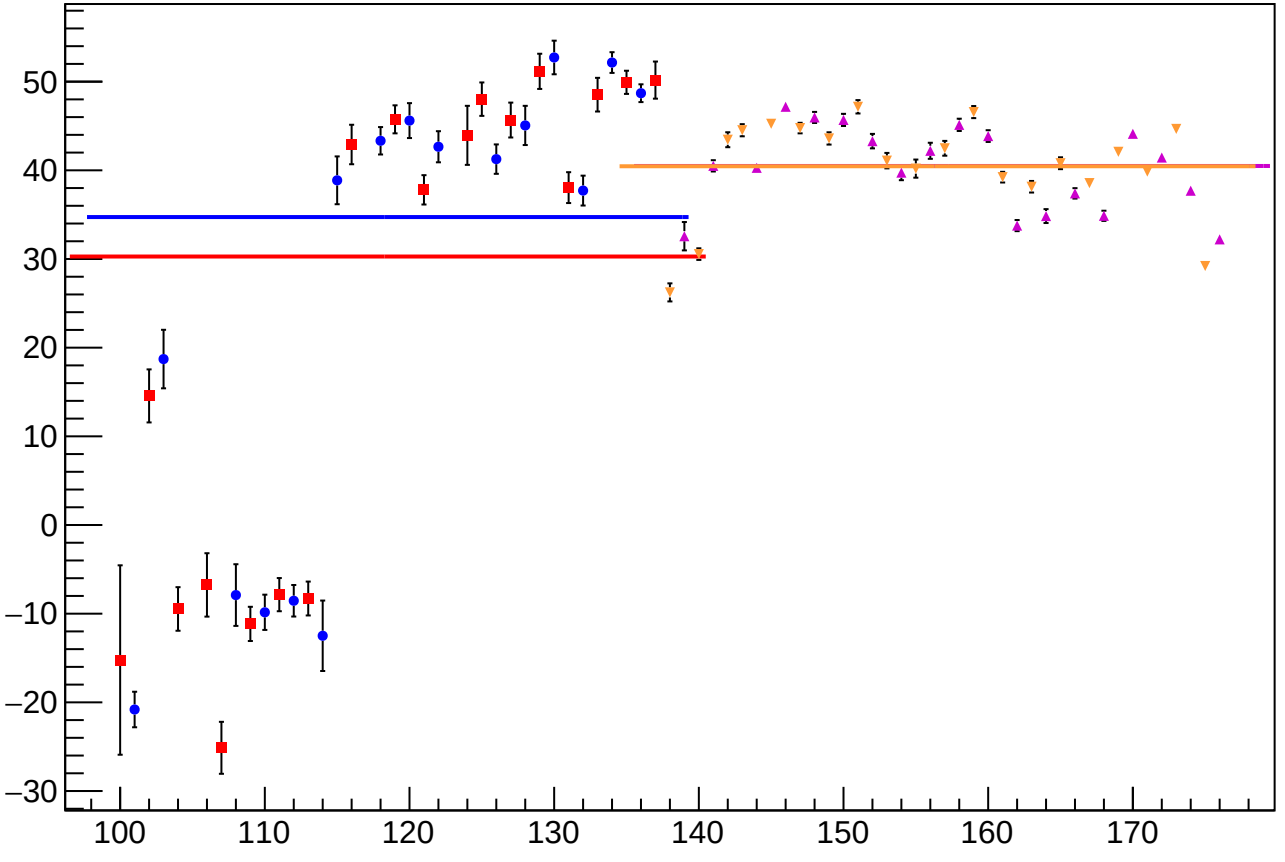
Left In: -53.234+/-0.168 χ^2/NDF:9672.8/18

+ sign -59.634+/-0.158 χ^2/NDF: 17369.4/35

All: -58.942+/-0.111 χ^2/NDF: 34454.3/73

- sign -58.256+/-0.157 χ^2/NDF: 17046.6/37

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 40.458+/-0.142 χ^2/NDF:1419.6/19

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

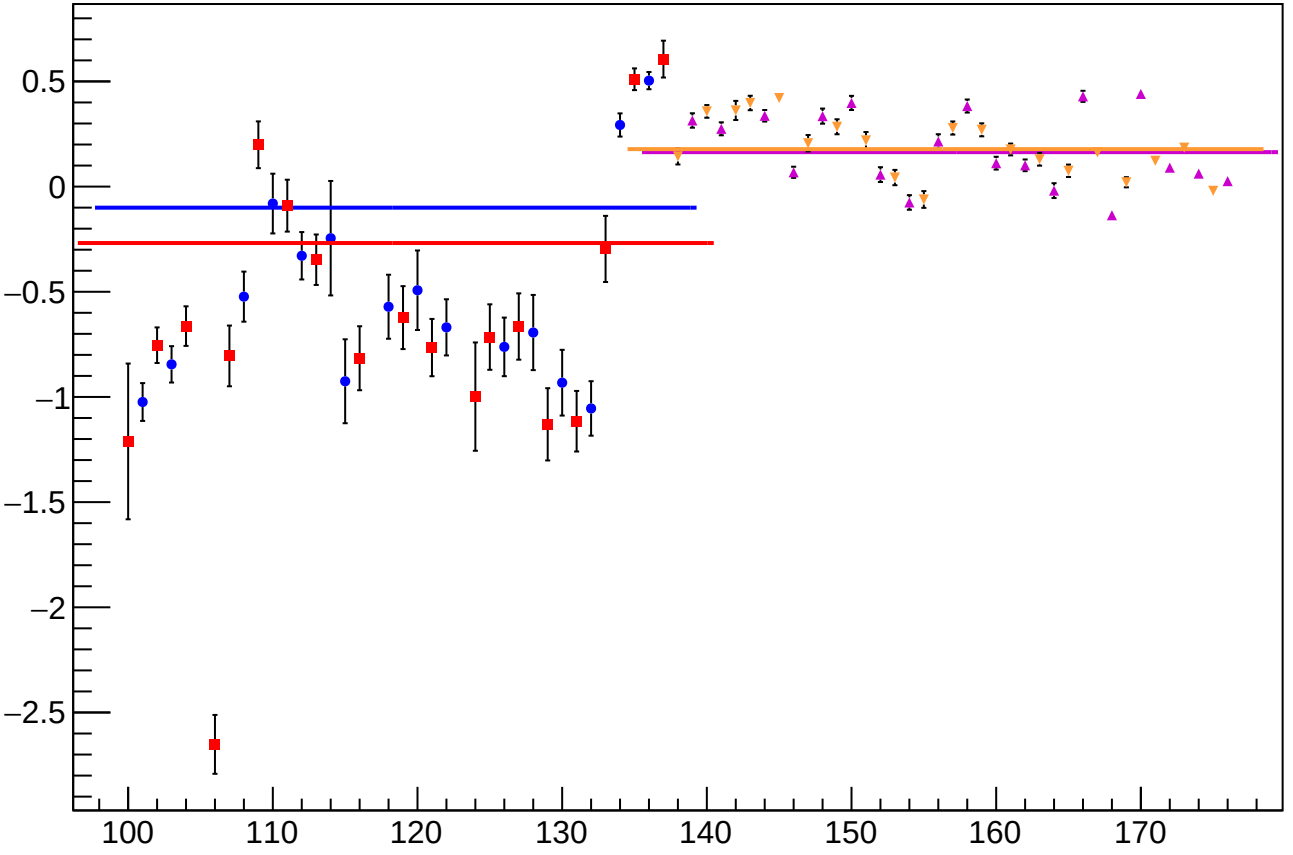
Left In: 40.490+/-0.141 χ^2/NDF:1059.1/18

+ sign 39.922+/-0.135 χ^2/NDF: 4381.0/35

All: 39.779+/-0.096 χ^2/NDF: 8791.4/73

- sign 39.634+/-0.135 χ^2/NDF: 4408.1/37

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.178+/-0.006 χ^2/NDF:418.9/19

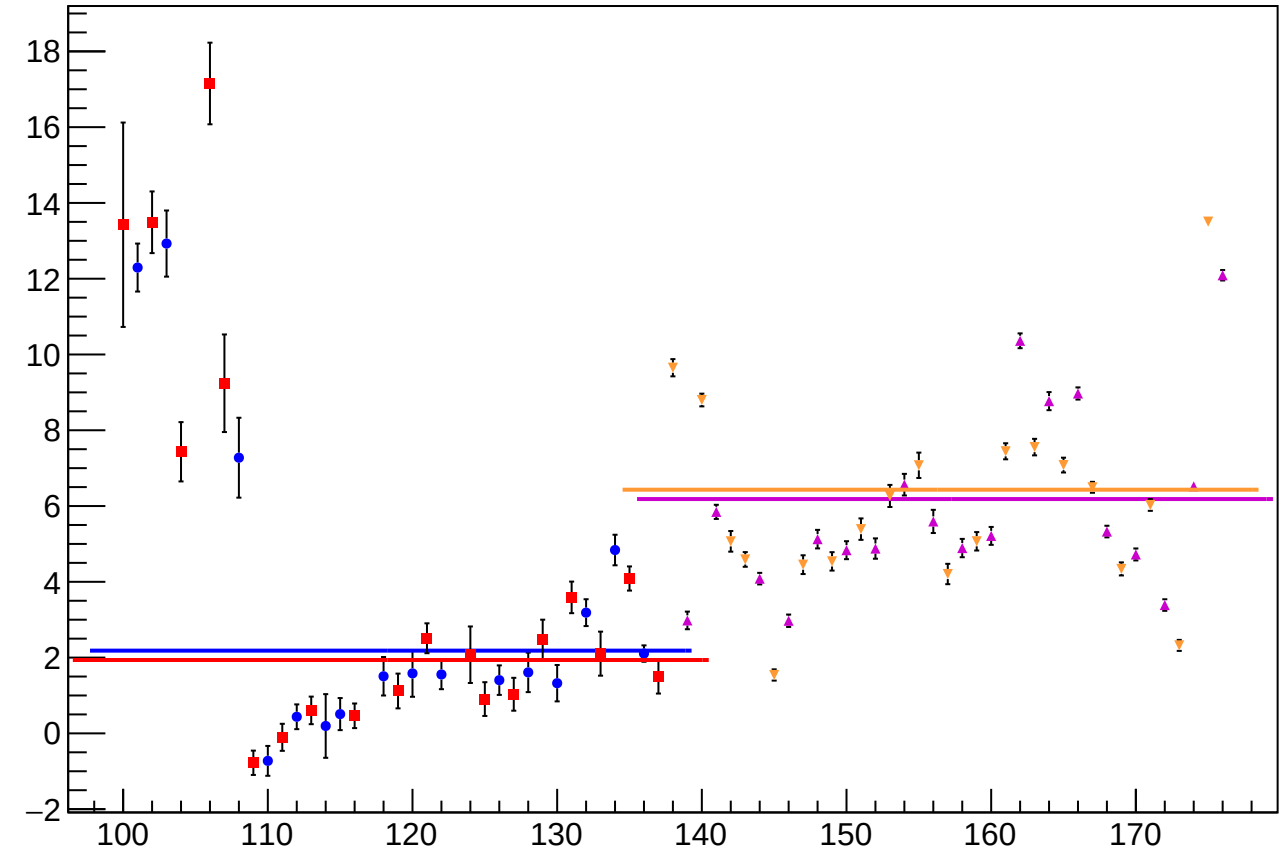
Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.164+/-0.006 χ^2/NDF:827.2/18

+ sign 0.159+/-0.006 χ^2/NDF: 1175.6/35

All: 0.150+/-0.004 χ^2/NDF: 3084.5/73

- sign 0.141+/-0.006 χ^2/NDF: 1904.2/37



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 6.432+/-0.043 χ^2/NDF:6283.7/19

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

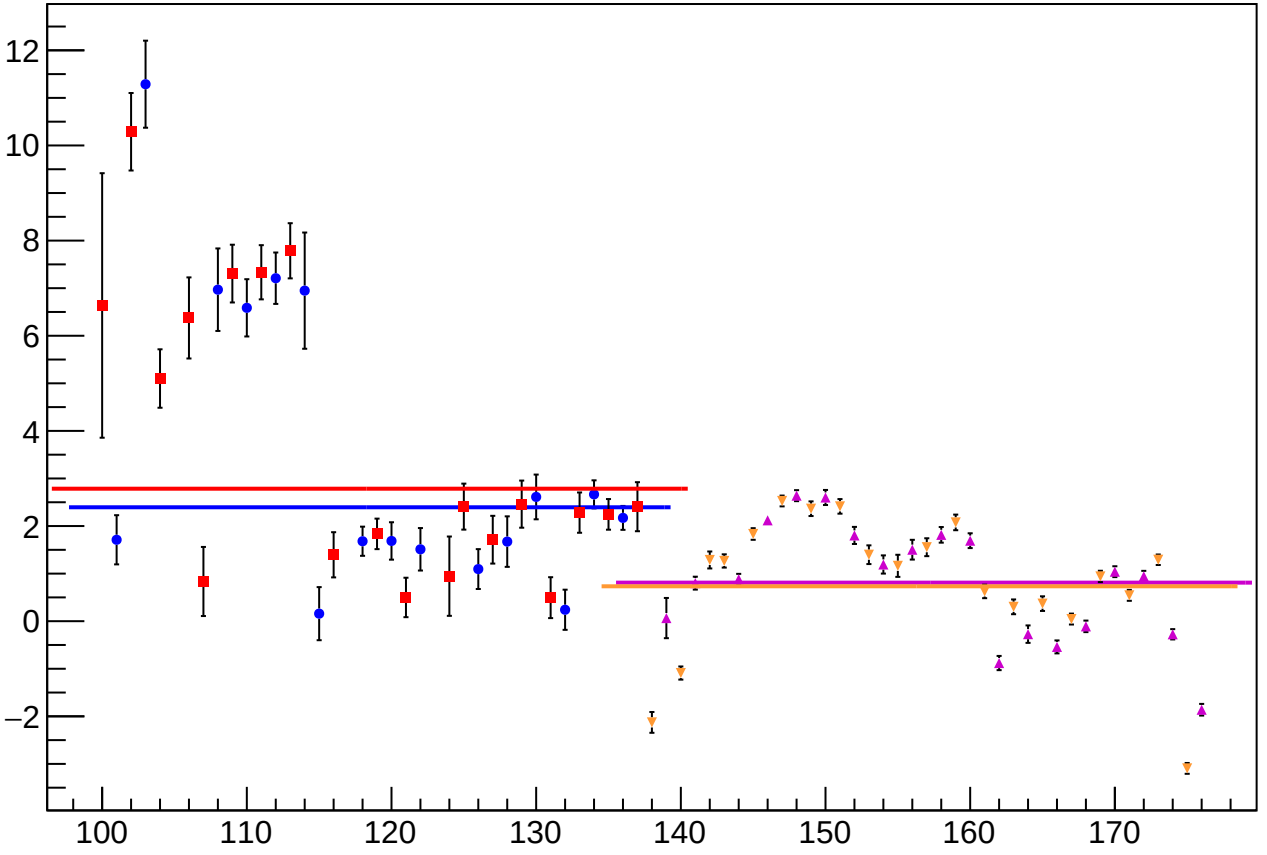
Left In: 6.185+/-0.042 χ^2/NDF:4064.2/18

+ sign 5.826+/-0.040 χ^2/NDF: 8286.9/35

All: 5.710+/-0.028 χ^2/NDF: 14482.6/73

- sign 5.596+/-0.039 χ^2/NDF: 6178.7/37

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: 0.733+/-0.031 χ^2/NDF:2242.9/19

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

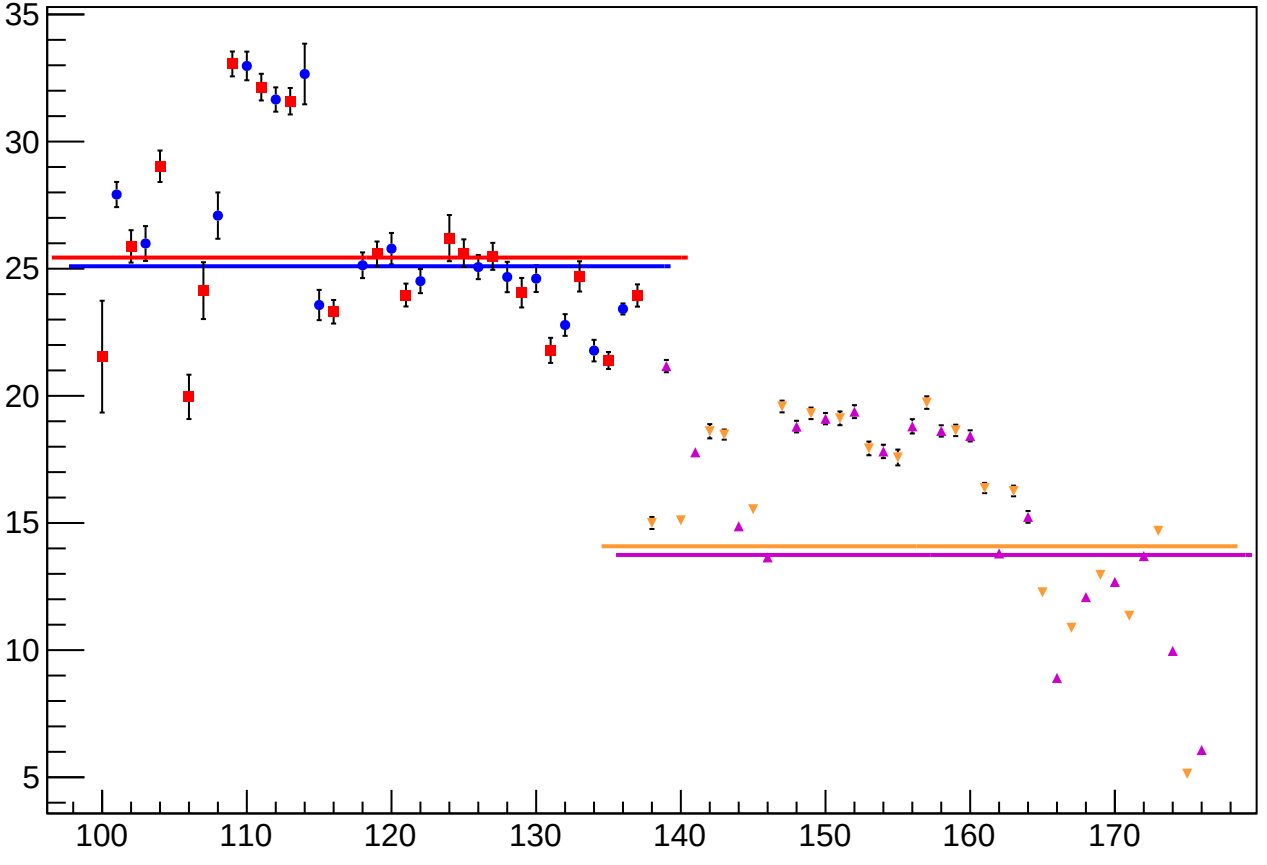
Left In: 0.810+/-0.031 χ^2/NDF:1586.0/18

\+ sign 0.863+/-0.030 χ^2/NDF: 2793.6/35

All: 0.903+/-0.021 χ^2/NDF: 5064.7/73

\- sign 0.944+/-0.030 χ^2/NDF: 2267.5/37

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: 14.085+/-0.043 χ^2/NDF:10224.1/19

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

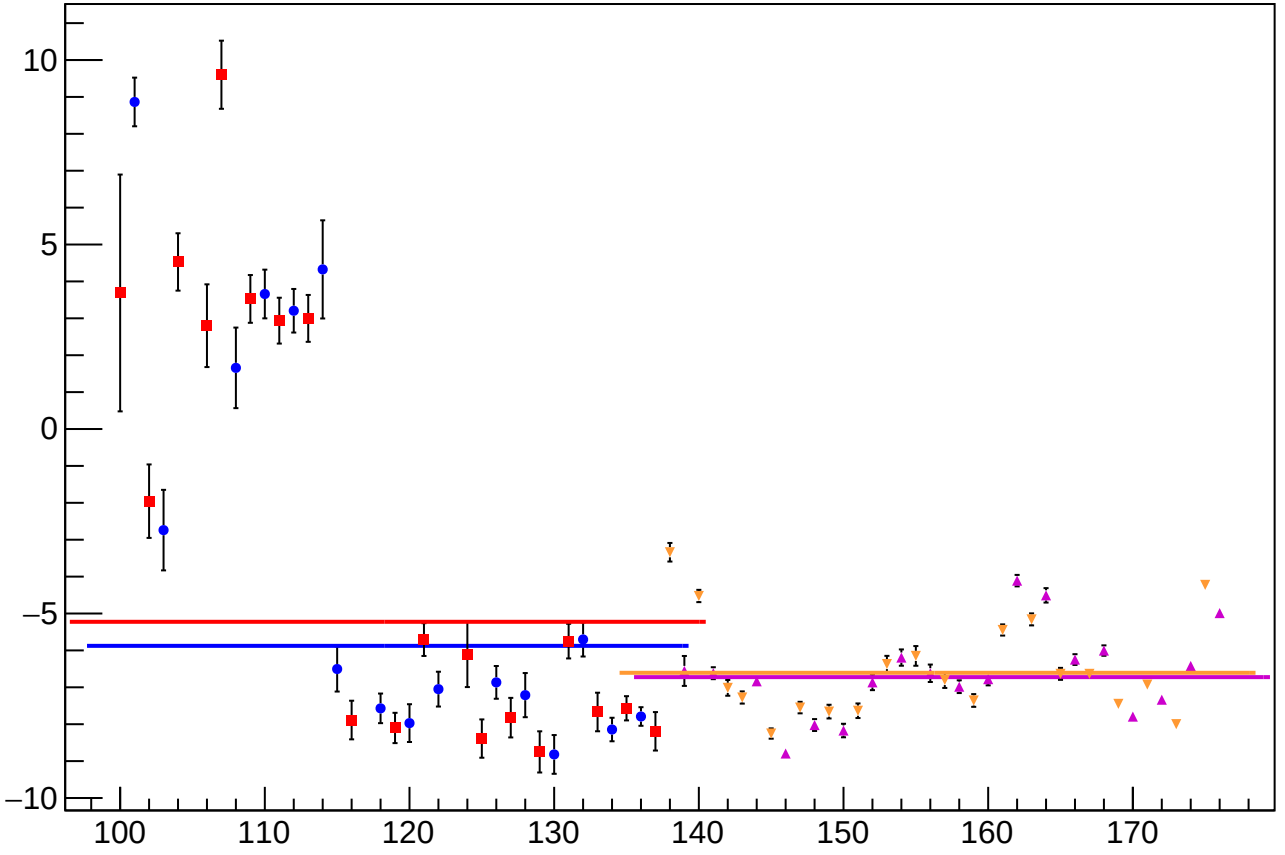
Left In: 13.743+/-0.042 χ^2/NDF:9518.2/18

+ sign 15.364+/-0.040 χ^2/NDF: 18604.2/35

All: 15.157+/-0.028 χ^2/NDF: 37025.7/73

- sign 14.952+/-0.040 χ^2/NDF: 18368.4/37

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.606+/-0.036 χ^2/NDF:1323.9/19

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

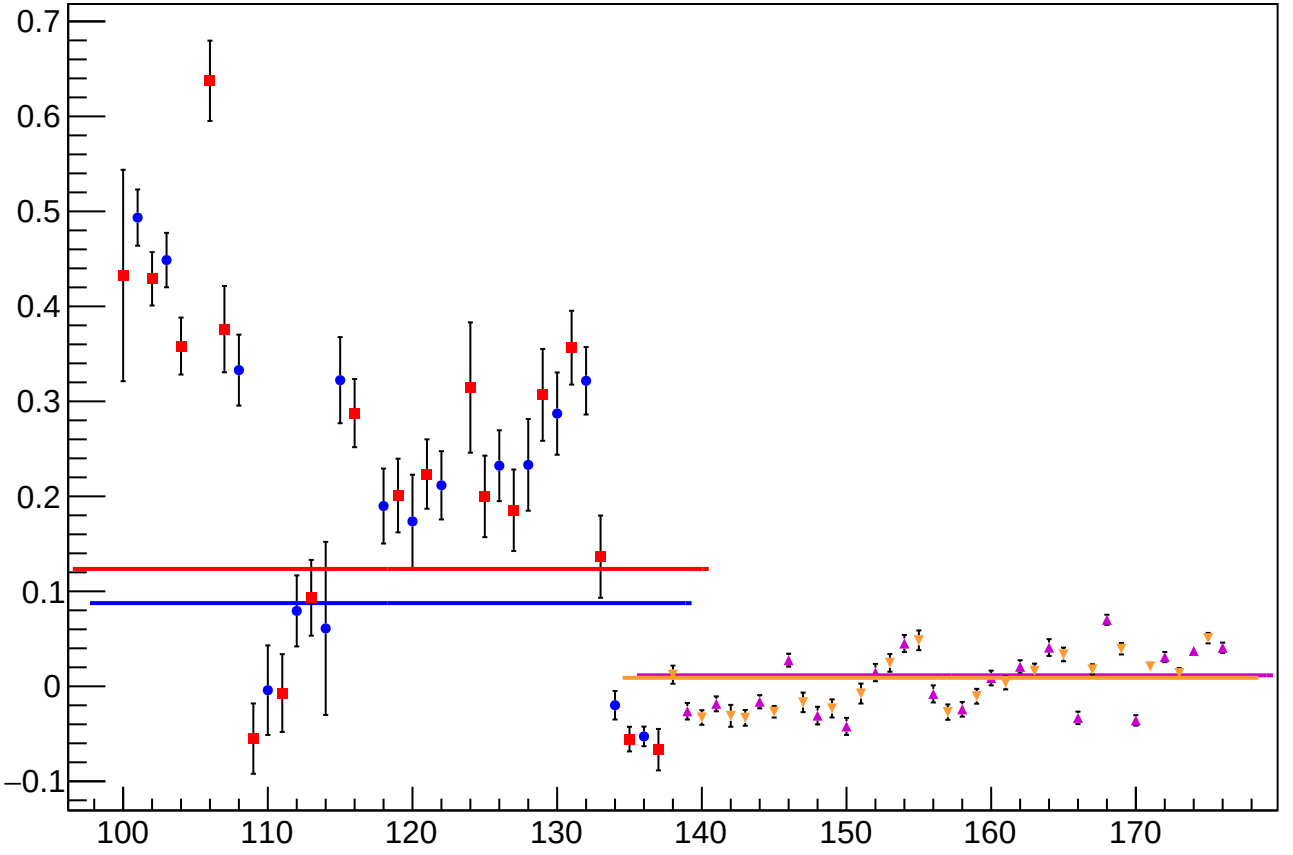
Left In: -6.724+/-0.035 χ^2/NDF:1162.7/18

+ sign -6.548+/-0.034 χ^2/NDF: 2609.0/35

All: -6.584+/-0.024 χ^2/NDF: 5190.7/73

- sign -6.620+/-0.034 χ^2/NDF: 2579.5/37

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.009+/-0.002 χ^2/NDF:271.4/19

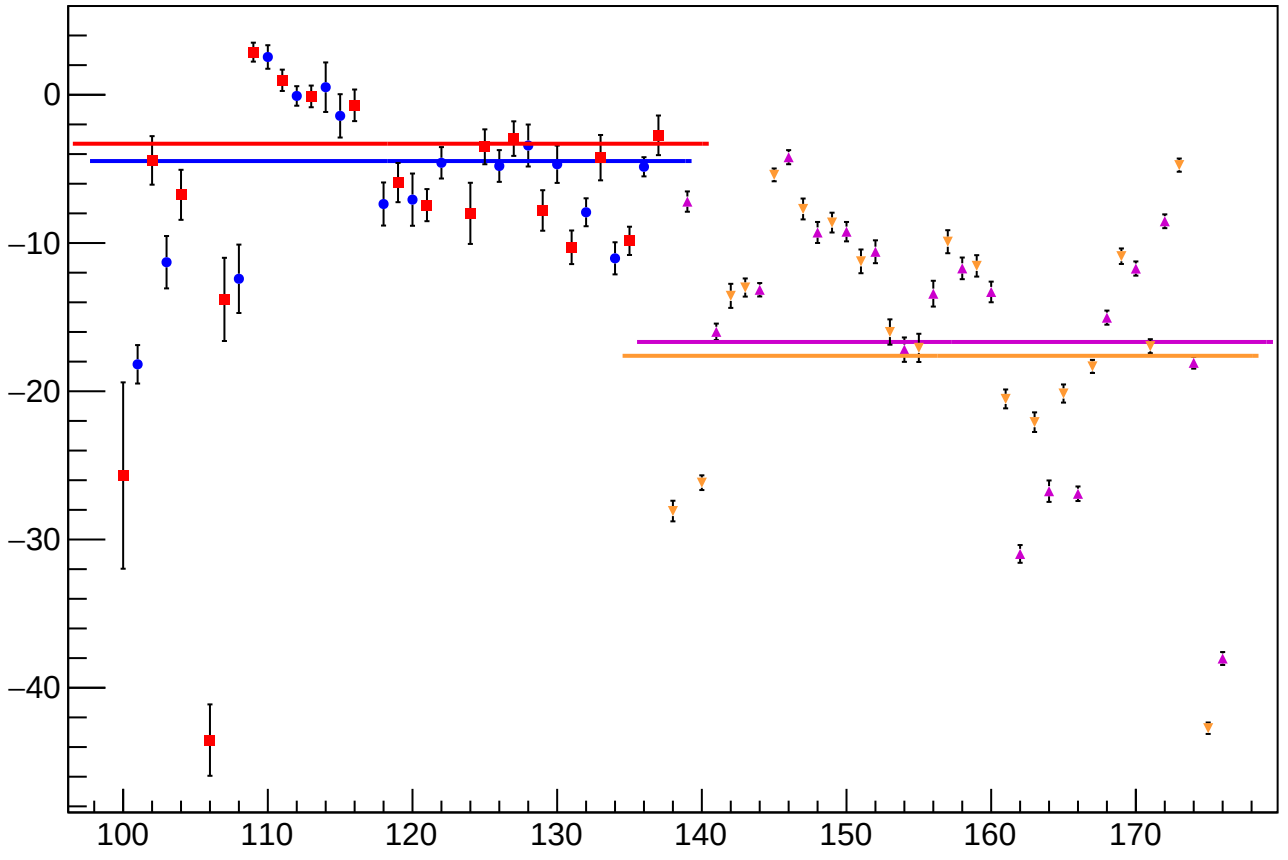
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.012+/-0.002 χ^2/NDF:477.3/18

+ sign 0.013+/-0.002 χ^2/NDF: 1173.7/35

All: 0.015+/-0.001 χ^2/NDF: 2638.4/73

- sign 0.017+/-0.002 χ^2/NDF: 1462.8/37



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -17.608+/-0.129 χ^2/NDF:7347.4/19

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

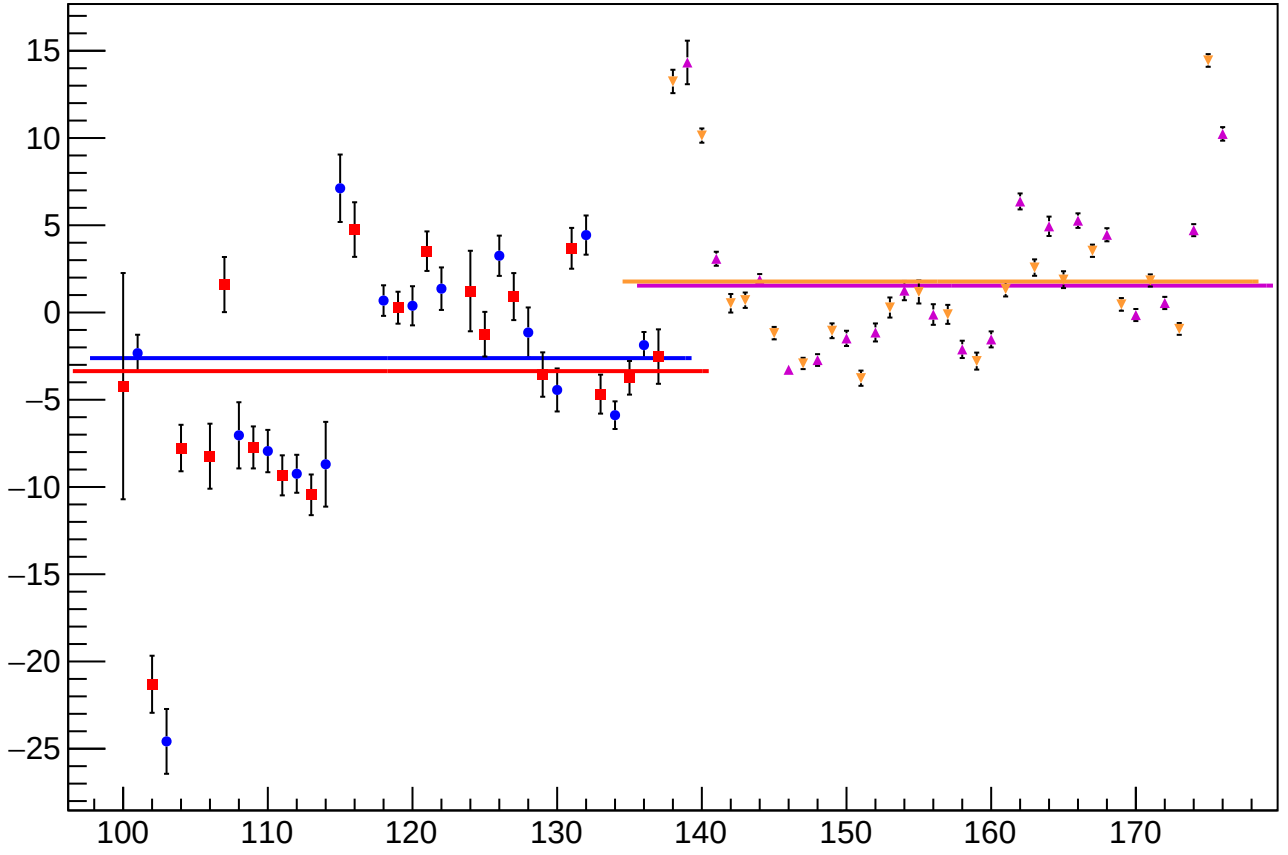
Left In: -16.674+/-0.128 χ^2/NDF:5357.0/18

+ sign -15.139+/-0.116 χ^2/NDF: 9624.2/35

All: -14.606+/-0.082 χ^2/NDF: 17727.4/73

- sign -14.089+/-0.115 χ^2/NDF: 8061.9/37

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.776+/-0.094 χ^2/NDF:2634.3/19

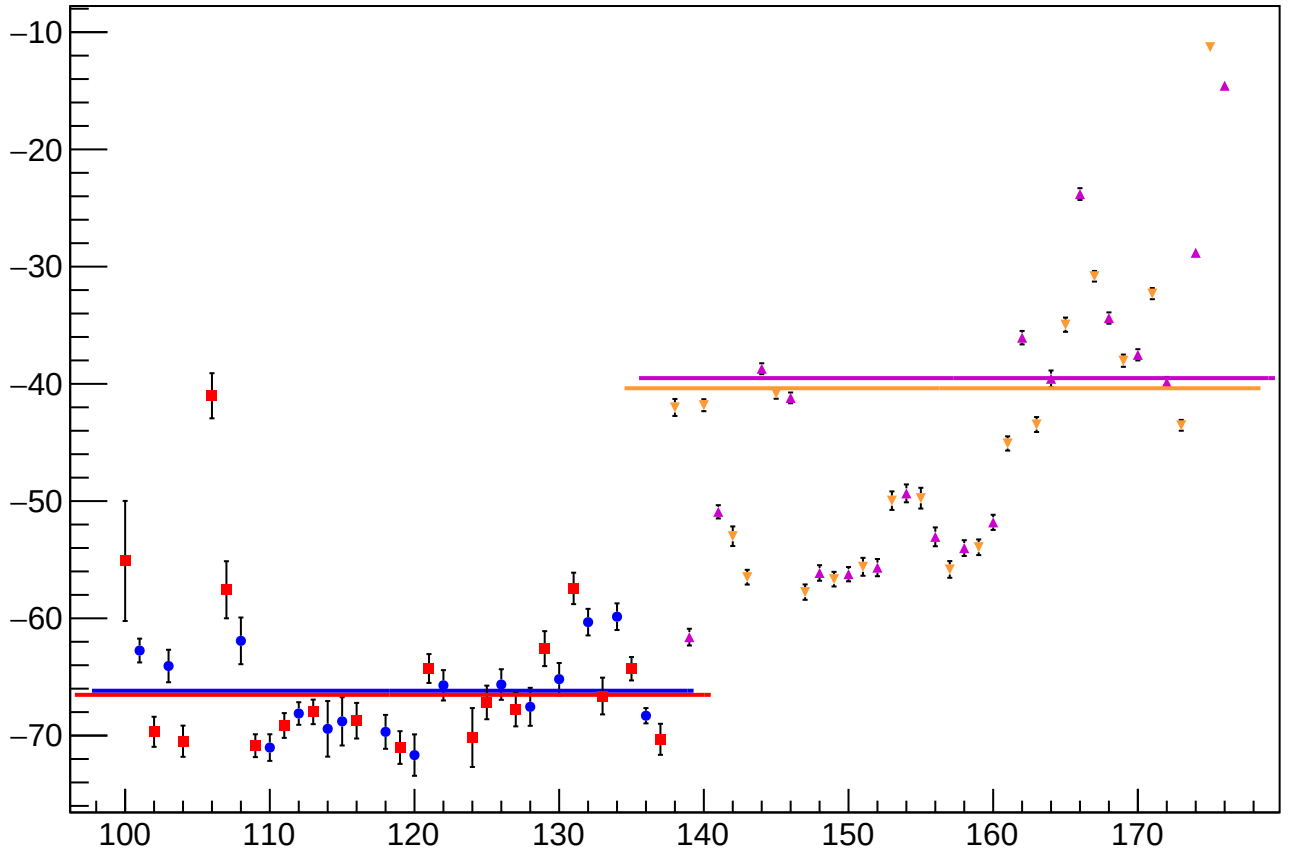
Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 1.541+/-0.094 χ^2/NDF:1658.7/18

+ sign 1.344+/-0.090 χ^2/NDF: 3199.1/35

All: 1.222+/-0.063 χ^2/NDF: 5466.0/73

- sign 1.100+/-0.090 χ^2/NDF: 2263.2/37



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -40.375+/-0.128 χ^2/NDF:10464.7/19

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

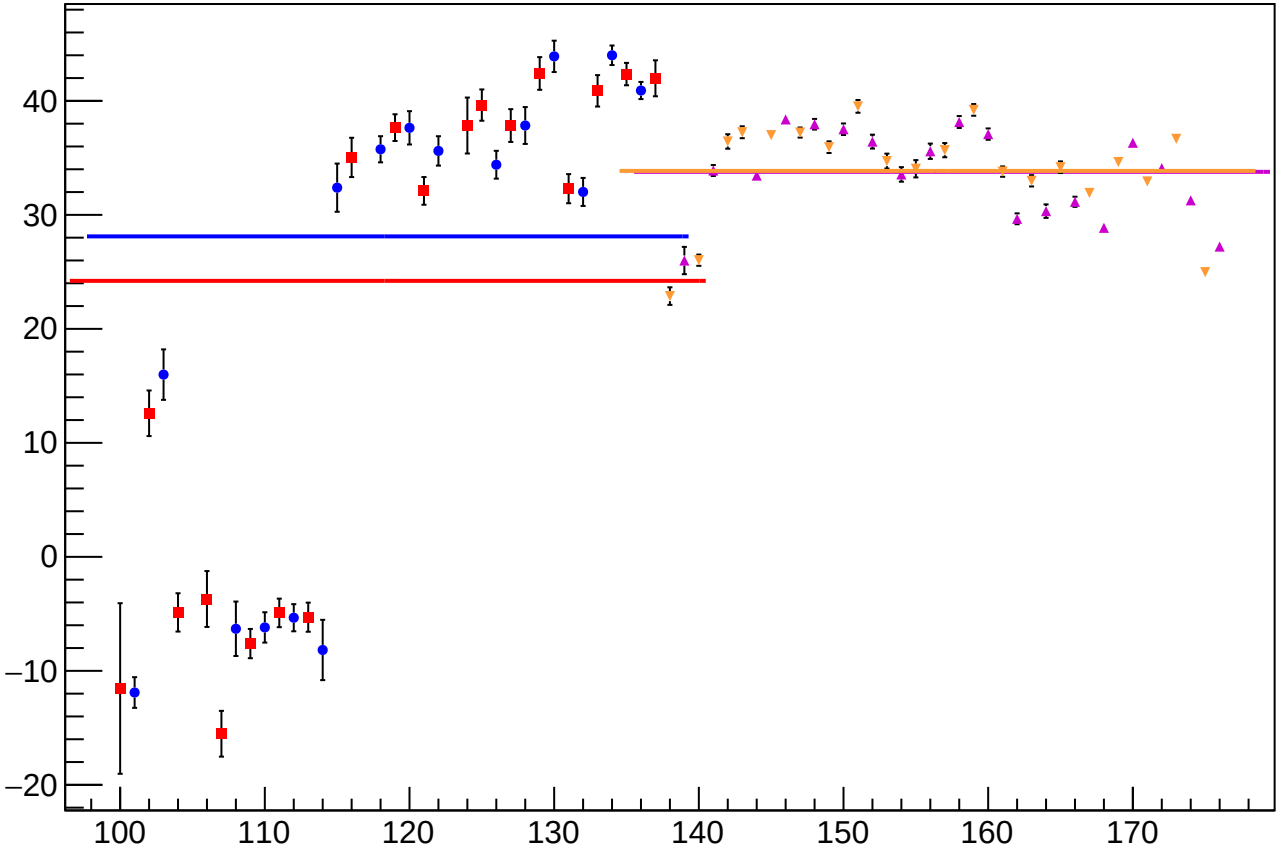
Left In: -39.510+/-0.127 χ^2/NDF:9647.2/18

+ sign -44.273+/-0.118 χ^2/NDF: 16696.0/35

All: -43.803+/-0.083 χ^2/NDF: 33112.3/73

- sign -43.338+/-0.118 χ^2/NDF: 16384.8/37

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 33.856+/-0.107 χ^2/NDF:1511.6/19

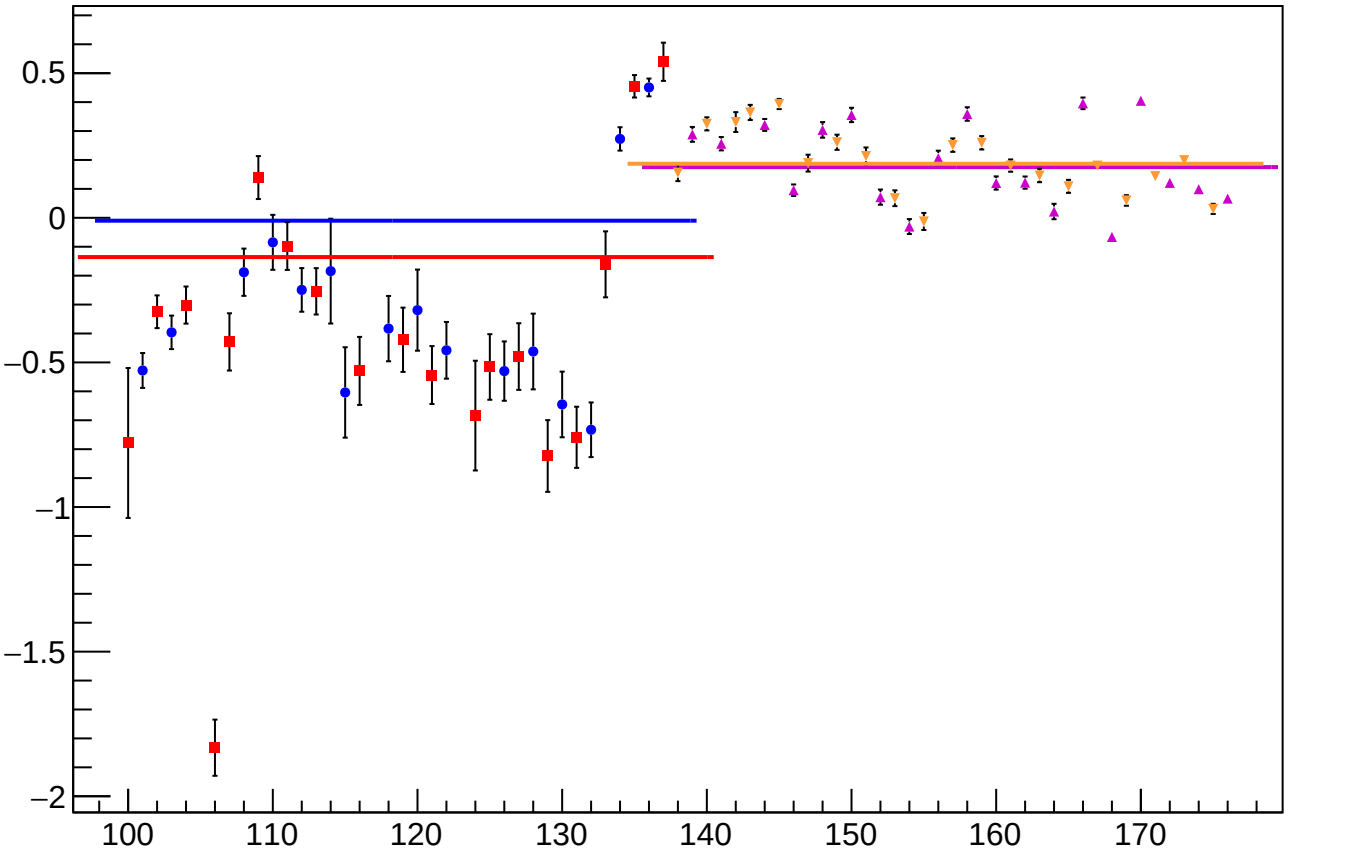
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 33.774+/-0.107 χ^2/NDF:1097.0/18

\+ sign 33.277+/-0.102 χ^2/NDF: 5529.1/35

All: 33.087+/-0.072 χ^2/NDF: 11212.2/73

\- sign 32.896+/-0.102 χ^2/NDF: 5676.0/37



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.187+/-0.005 χ^2/NDF:480.3/19

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

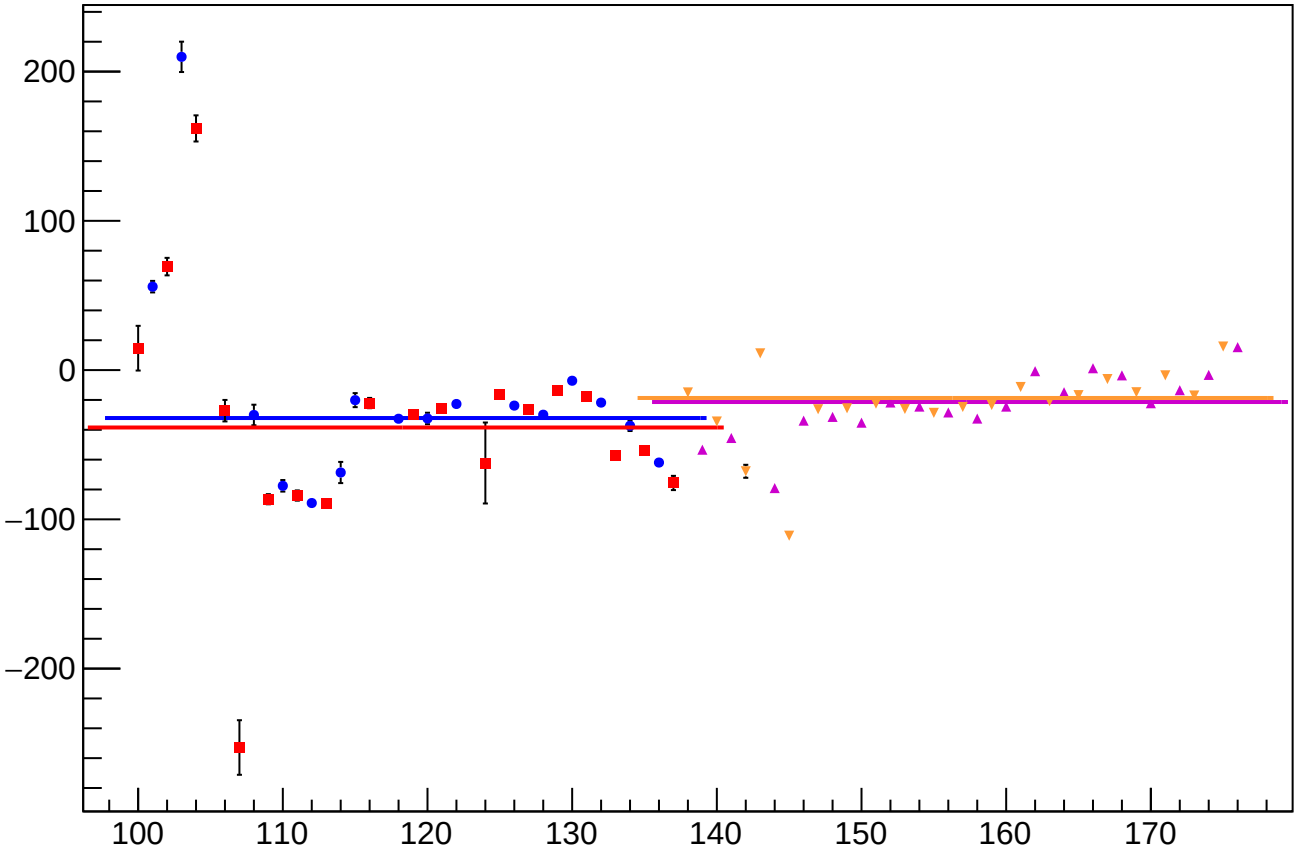
Left In: 0.175+/-0.005 χ^2/NDF:963.8/18

+ sign 0.173+/-0.005 χ^2/NDF: 1187.4/35

All: 0.165+/-0.003 χ^2/NDF: 3232.2/73

- sign 0.157+/-0.005 χ^2/NDF: 2039.0/37

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -18.684+/-0.615 χ^2/NDF:1521.8/19

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

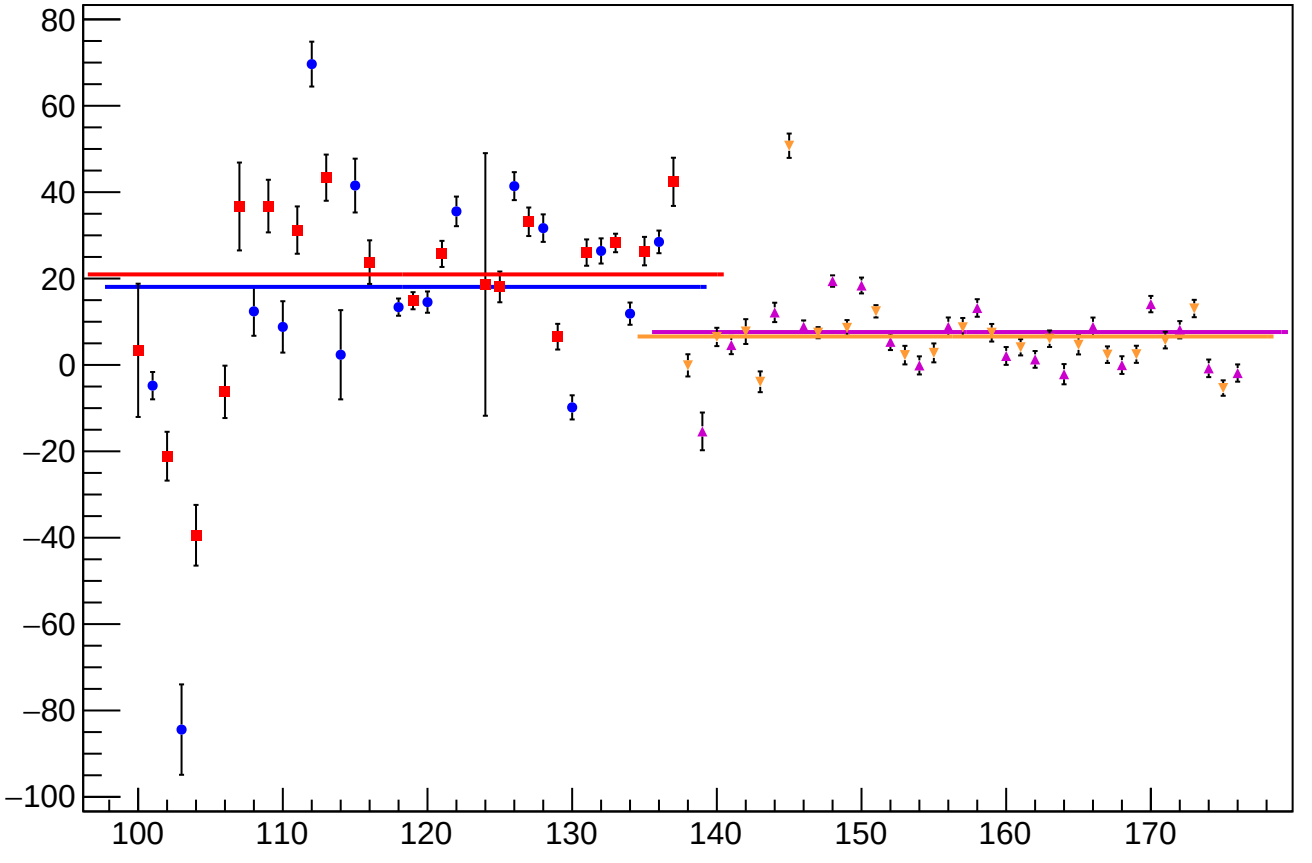
Left In: -21.392+/-0.619 χ^2/NDF:1233.7/18

\+ sign -23.354+/-0.497 χ^2/NDF: 3565.1/35

All: -25.241+/-0.354 χ^2/NDF: 7058.3/73

\- sign -27.176+/-0.503 χ^2/NDF: 3464.0/37

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 6.584+/-0.439 χ^2/NDF:365.2/19

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

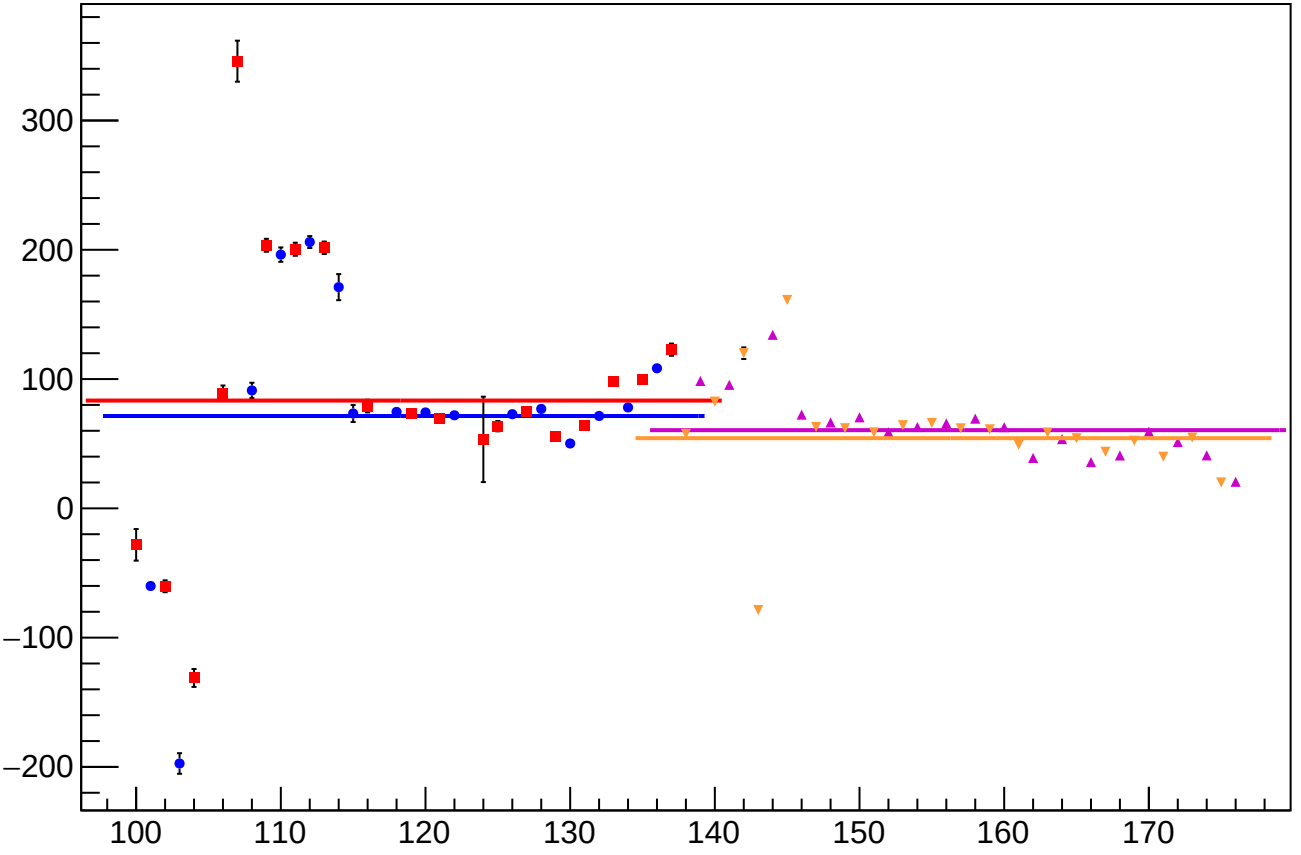
Left In: 7.616+/-0.450 χ^2/NDF:272.7/18

+ sign 9.132+/-0.387 χ^2/NDF: 1016.4/35

All: 9.768+/-0.278 χ^2/NDF: 1743.4/73

- sign 10.444+/-0.400 χ^2/NDF: 721.4/37

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 54.290+/-0.604 χ^2/NDF:3401.1/19

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

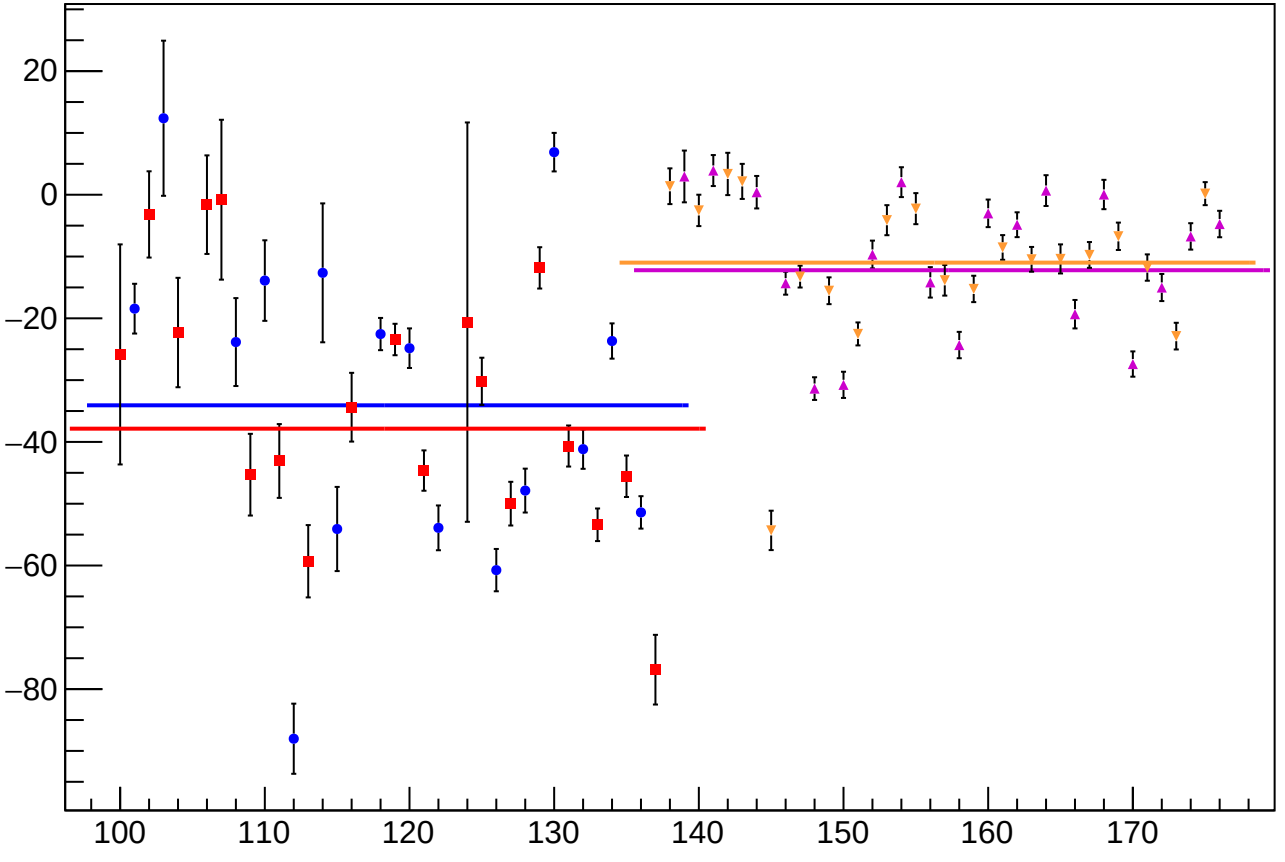
Left In: 60.487+/-0.609 χ^2/NDF:1622.3/18

+ sign 59.369+/-0.507 χ^2/NDF: 8458.8/35

All: 63.012+/-0.362 χ^2/NDF: 14874.9/73

- sign 66.811+/-0.518 χ^2/NDF: 6310.7/37

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -10.986+/-0.503 χ^2/NDF:395.3/19

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

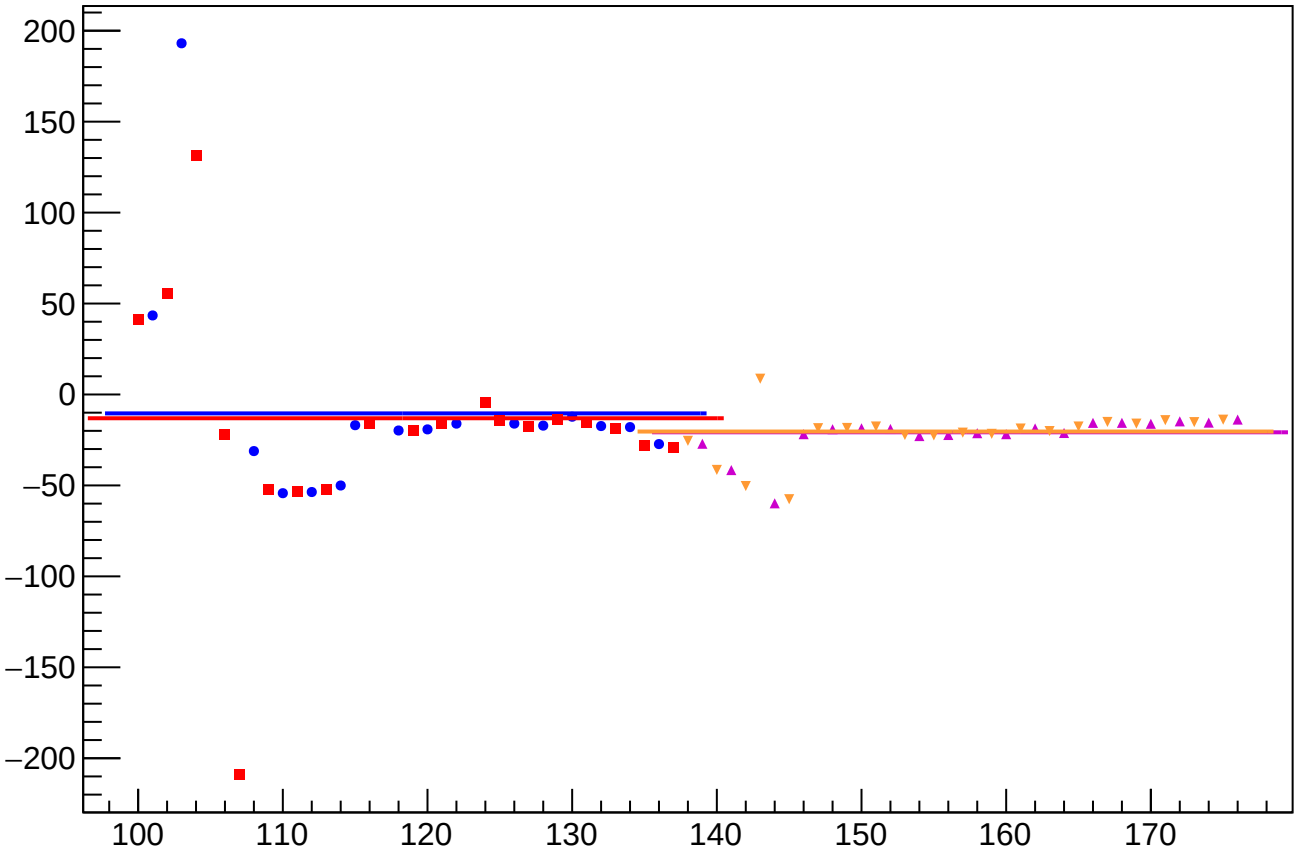
Left In: -12.216+/-0.514 χ^2/NDF:501.9/18

+ sign -16.109+/-0.444 χ^2/NDF: 1373.8/35

All: -16.848+/-0.318 χ^2/NDF: 2681.1/73

- sign -17.630+/-0.457 χ^2/NDF: 1301.5/37

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -20.377+/-0.023 χ^2/NDF:211567.9/19

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

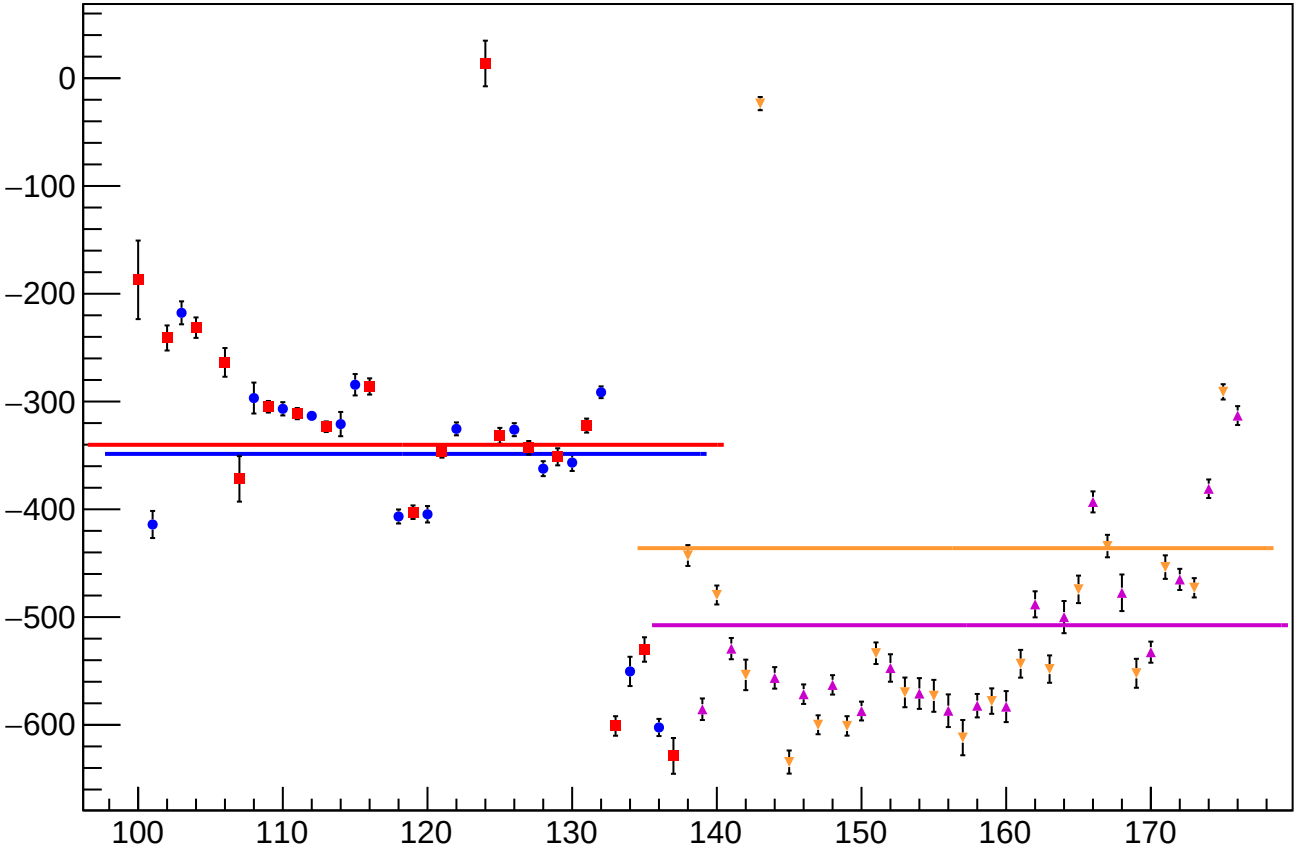
Left In: -20.793+/-0.023 χ^2/NDF:137653.0/18

\+ sign -18.990+/-0.021 χ^2/NDF: 760451.1/35

All: -19.448+/-0.015 χ^2/NDF: 1362102.4/73

\- sign -19.907+/-0.021 χ^2/NDF: 600715.9/37

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -436.037+/-2.272 χ^2/NDF:6861.4/19

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

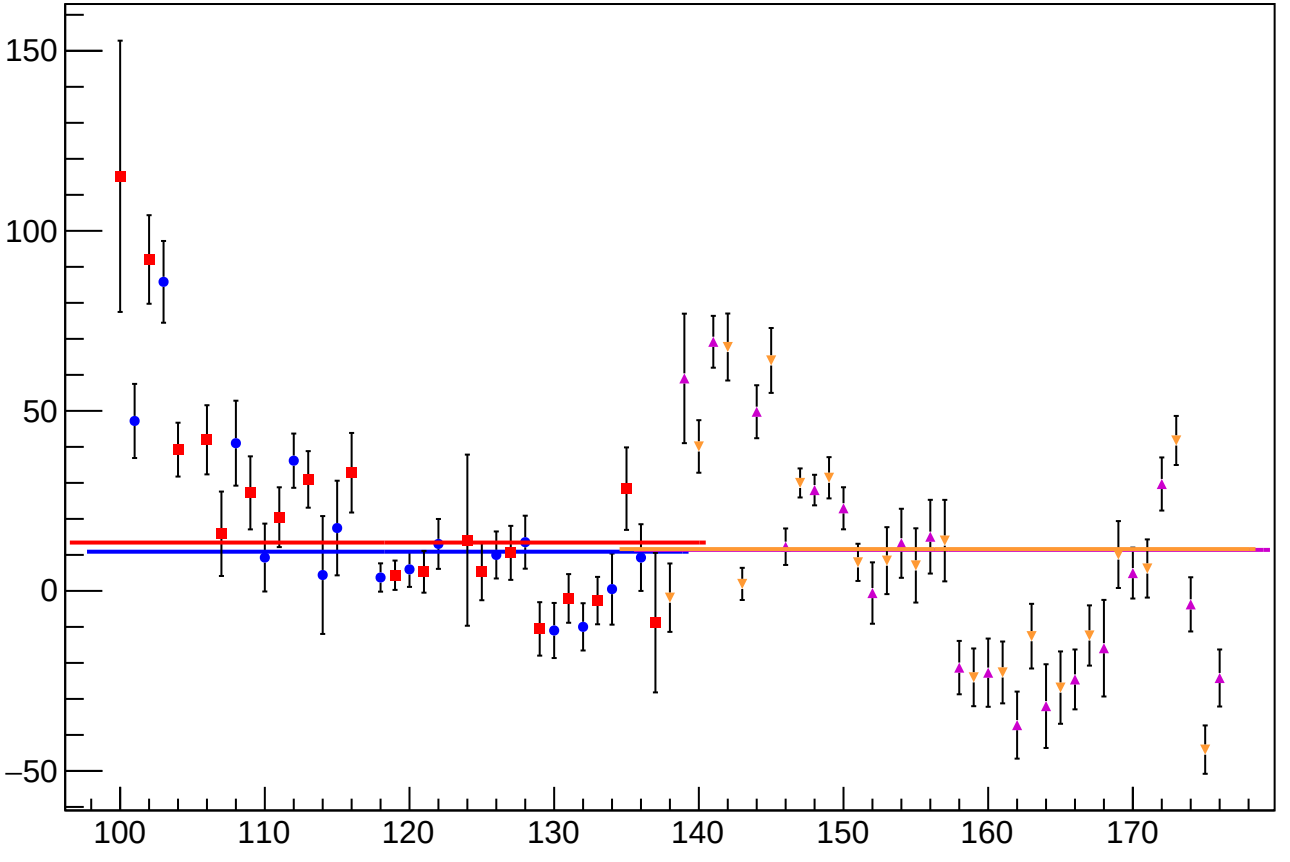
Left In: -507.537+/-2.431 χ^2/NDF:1269.9/18

+ sign -382.877+/-1.423 χ^2/NDF: 9620.4/35

All: -390.273+/-1.007 χ^2/NDF: 16253.7/73

- sign -397.695+/-1.425 χ^2/NDF: 6579.2/37

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 11.609+/-1.584 χ^2/NDF:280.3/19

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

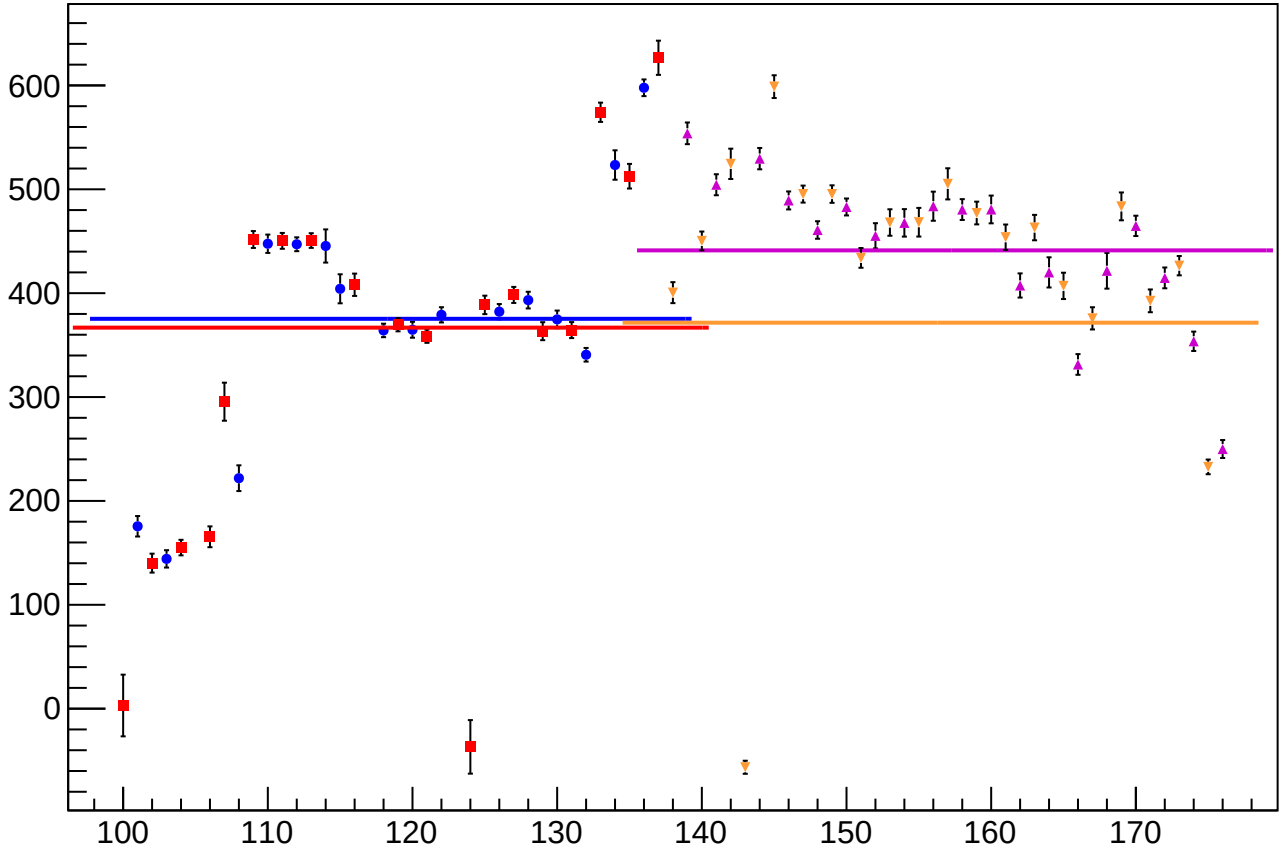
Left In: 11.389+/-1.717 χ^2/NDF:247.8/18

+ sign 11.303+/-1.201 χ^2/NDF: 378.7/35

All: 11.792+/-0.869 χ^2/NDF: 739.8/73

- sign 12.330+/-1.260 χ^2/NDF: 360.8/37

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 371.583+/-2.246 χ^2/NDF:6611.8/19

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

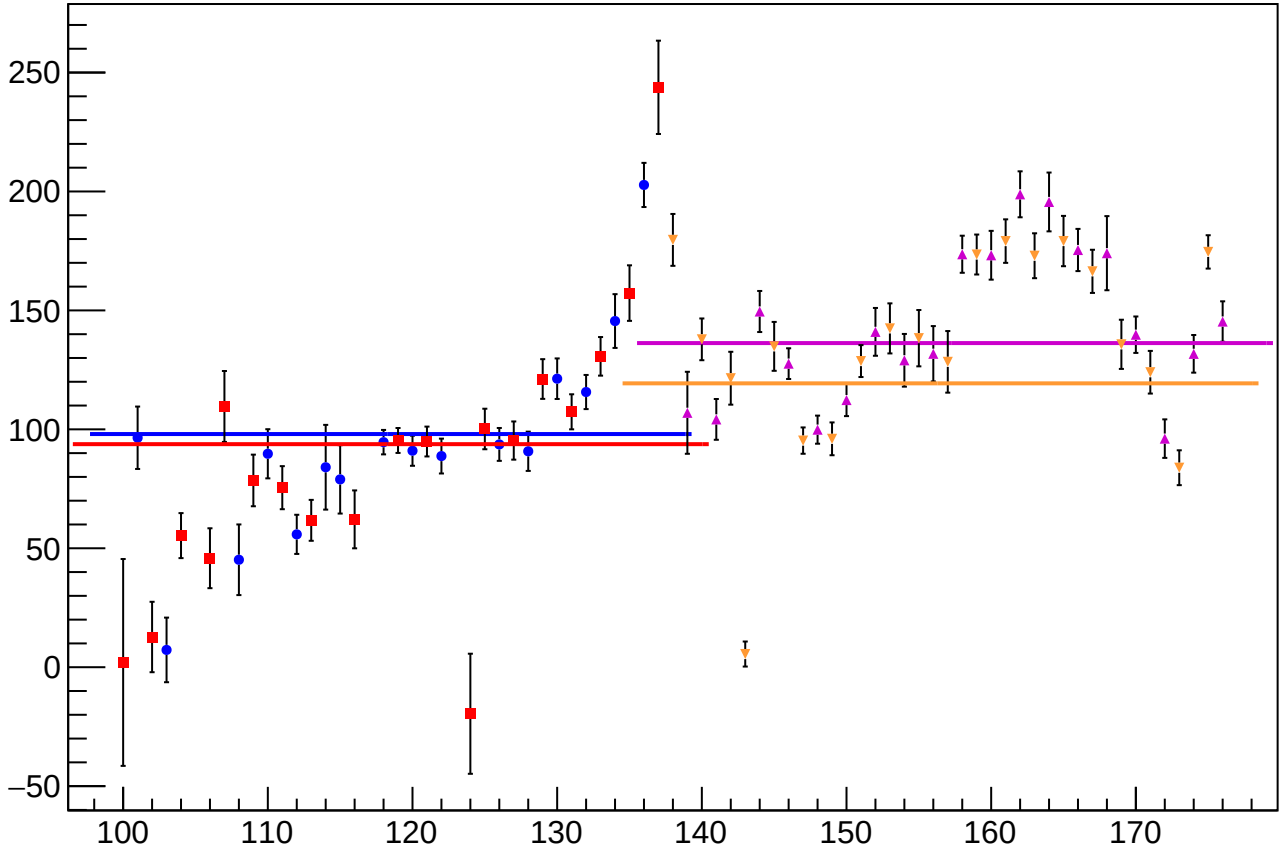
Left In: 441.199+/-2.391 χ^2/NDF:1054.2/18

+ sign 373.575+/-1.535 χ^2/NDF: 9062.7/35

All: 385.779+/-1.093 χ^2/NDF: 14343.9/73

- sign 398.323+/-1.556 χ^2/NDF: 5153.0/37

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 119.334+/-1.850 χ^2/NDF:808.9/19

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

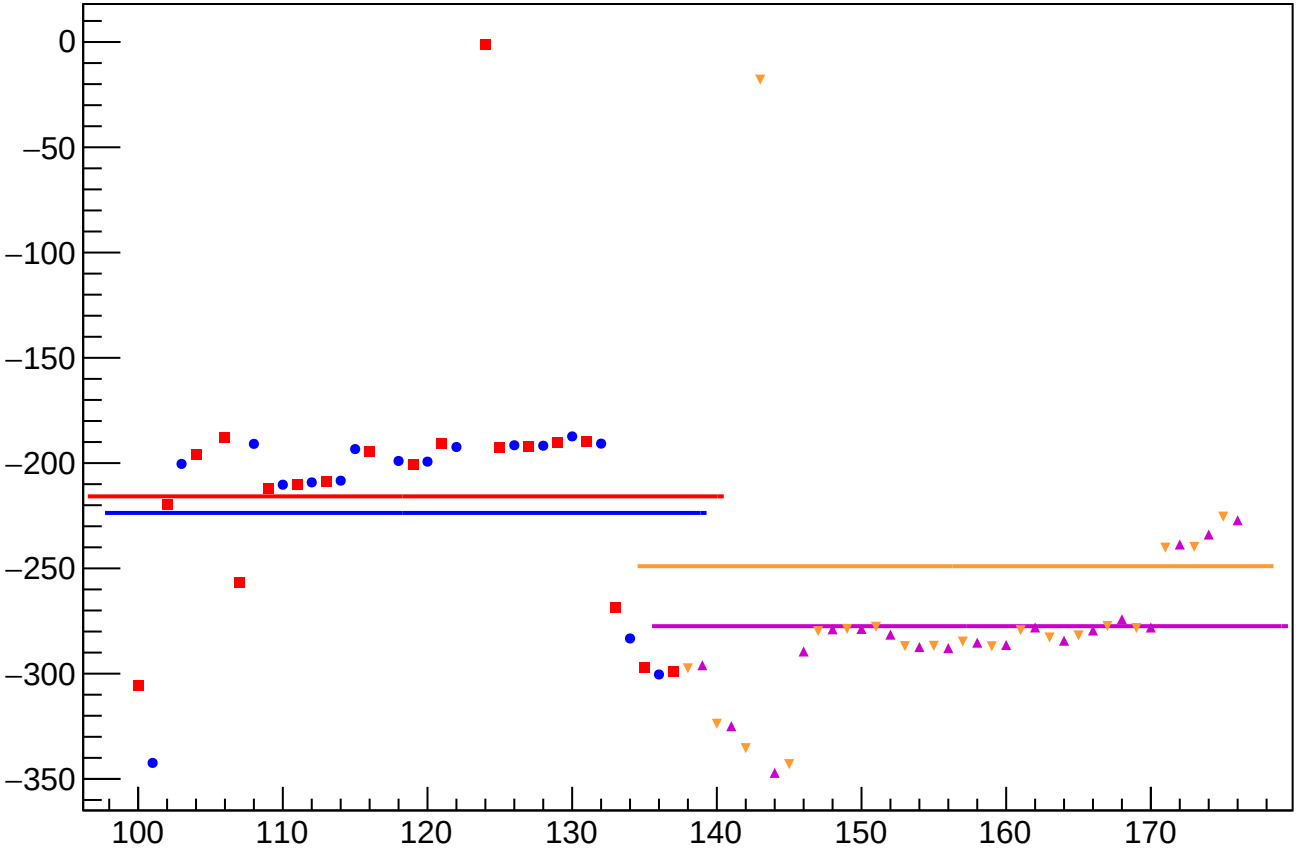
Left In: 136.265+/-1.990 χ^2/NDF:224.8/18

+ sign 110.240+/-1.401 χ^2/NDF: 1115.1/35

All: 113.268+/-1.010 χ^2/NDF: 1798.4/73

- sign 116.544+/-1.457 χ^2/NDF: 673.6/37

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -248.963+/-0.088 χ^2/NDF:979179.1/19

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

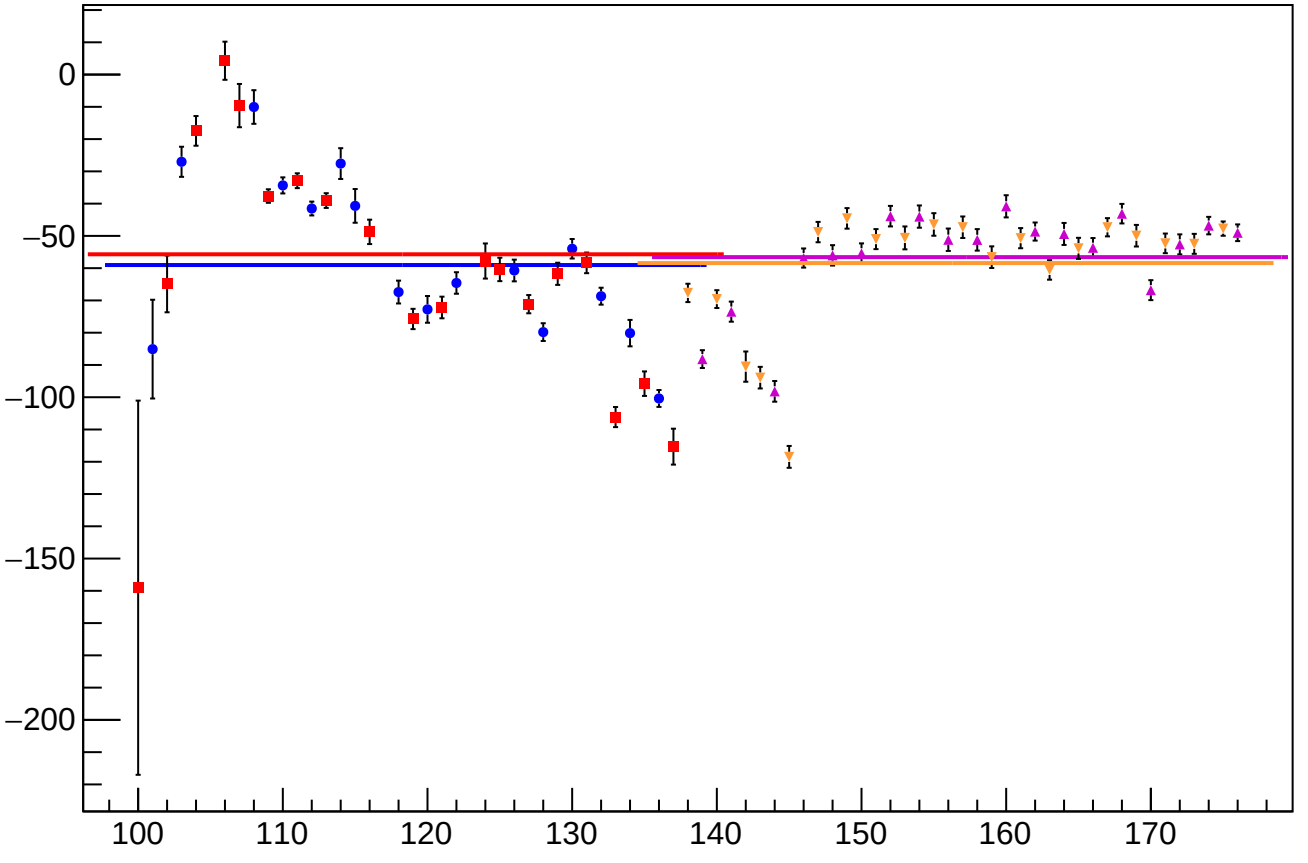
Left In: -277.451+/-0.091 χ^2/NDF:90961.0/18

+ sign -241.720+/-0.074 χ^2/NDF: 1124589.7/35

All: -249.837+/-0.053 χ^2/NDF: 1466398.1/73

- sign -258.190+/-0.075 χ^2/NDF: 317391.9/37

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -58.425+/-0.697 χ^2/NDF:623.7/19

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

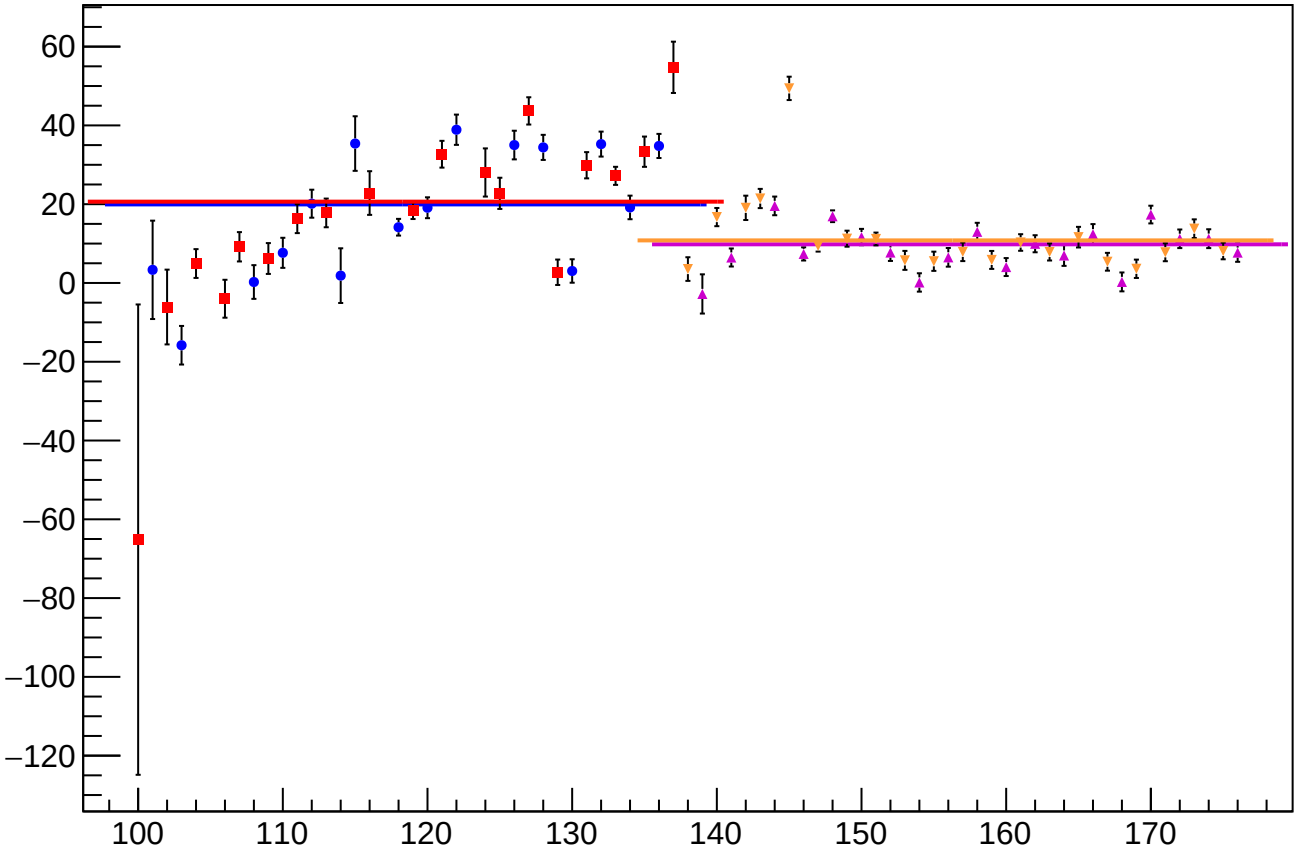
Left In: -56.577+/-0.704 χ^2/NDF:451.5/18

+ sign -58.676+/-0.534 χ^2/NDF: 1351.3/35

All: -57.413+/-0.374 χ^2/NDF: 2855.7/73

- sign -56.189+/-0.526 χ^2/NDF: 1493.4/37

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.808+/-0.497 χ^2/NDF:246.8/19

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

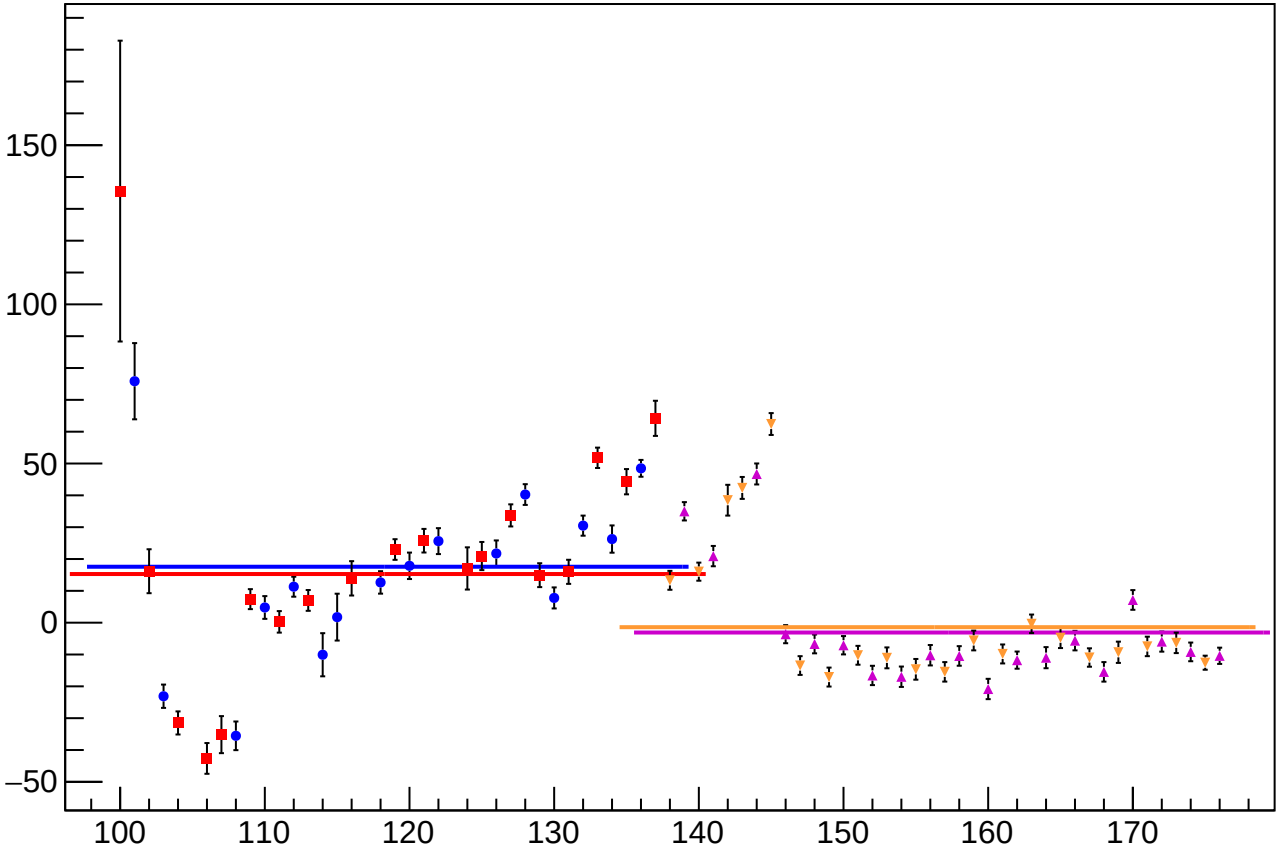
Left In: 9.813+/-0.511 χ^2/NDF:110.5/18

+ sign 13.064+/-0.431 χ^2/NDF: 577.6/35

All: 12.894+/-0.307 χ^2/NDF: 1033.7/73

- sign 12.720+/-0.437 χ^2/NDF: 455.8/37

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -1.415+/-0.685 χ^2/NDF:795.5/19

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

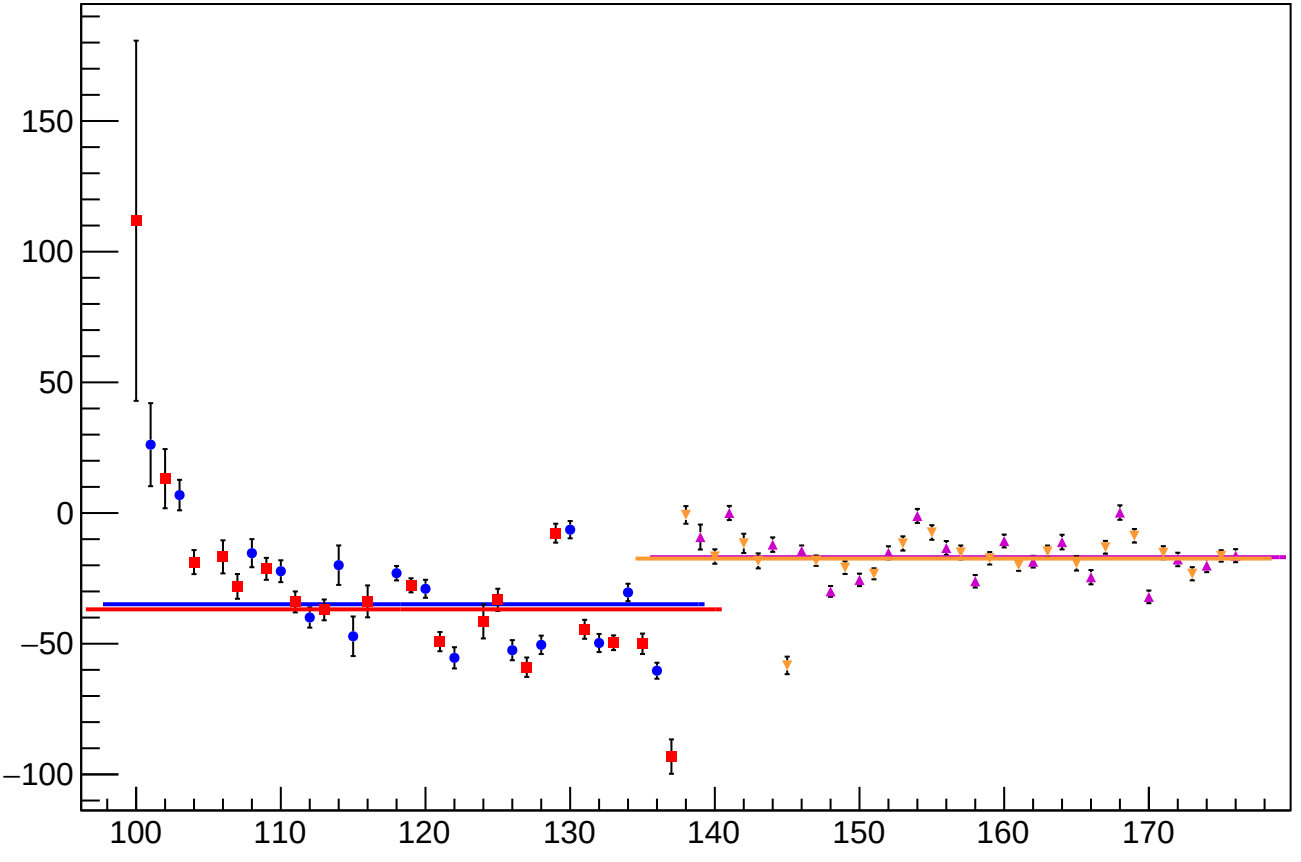
Left In: -3.093+/-0.691 χ^2/NDF:600.2/18

+ sign 5.019+/-0.557 χ^2/NDF: 1602.2/35

All: 4.214+/-0.393 χ^2/NDF: 3186.7/73

- sign 3.412+/-0.556 χ^2/NDF: 1580.3/37

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.417+/-0.570 χ^2/NDF:227.1/19

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

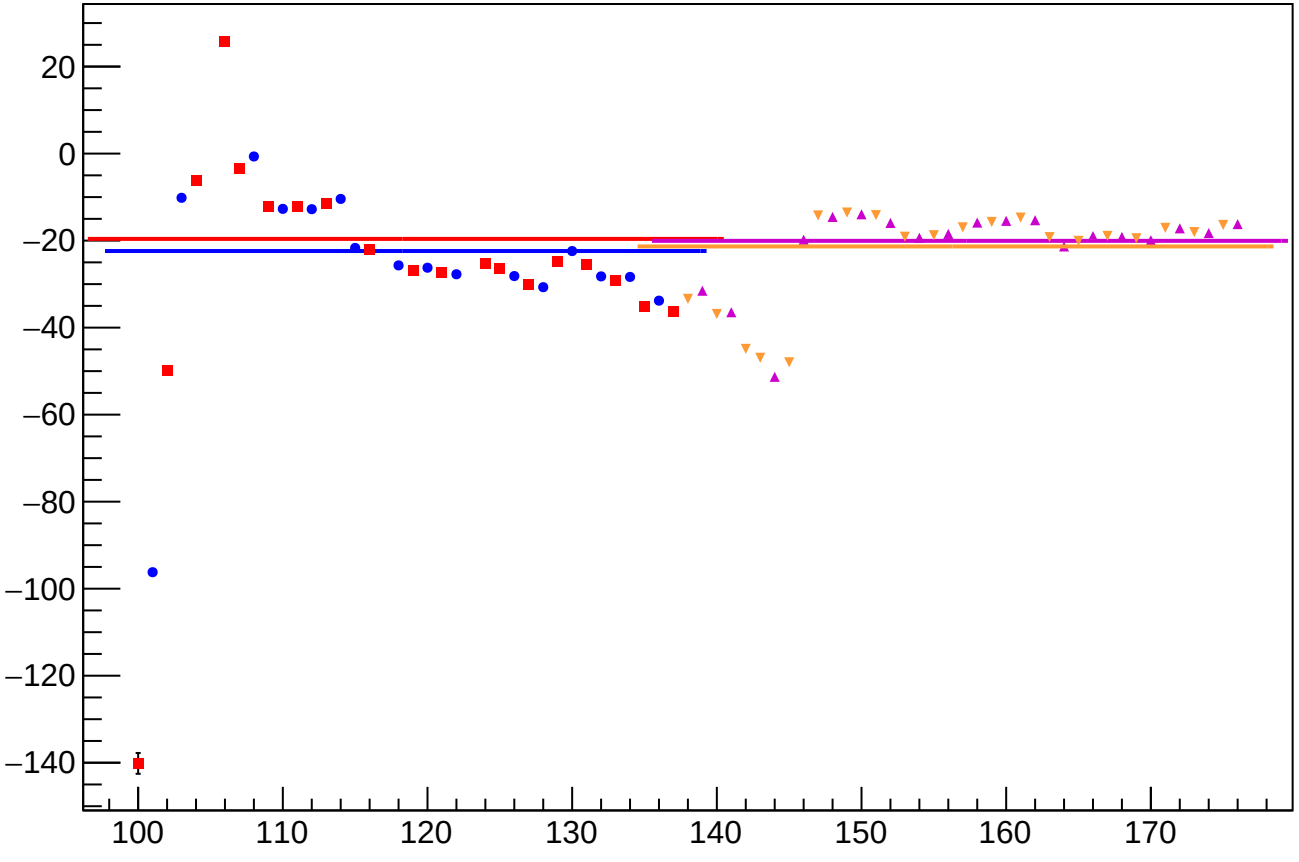
Left In: -16.888+/-0.584 χ^2/NDF:247.7/18

+ sign -21.765+/-0.494 χ^2/NDF: 807.9/35

All: -21.980+/-0.351 χ^2/NDF: 1668.6/73

- sign -22.201+/-0.500 χ^2/NDF: 860.4/37

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -21.342+/-0.026 χ^2/NDF:137397.6/19

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

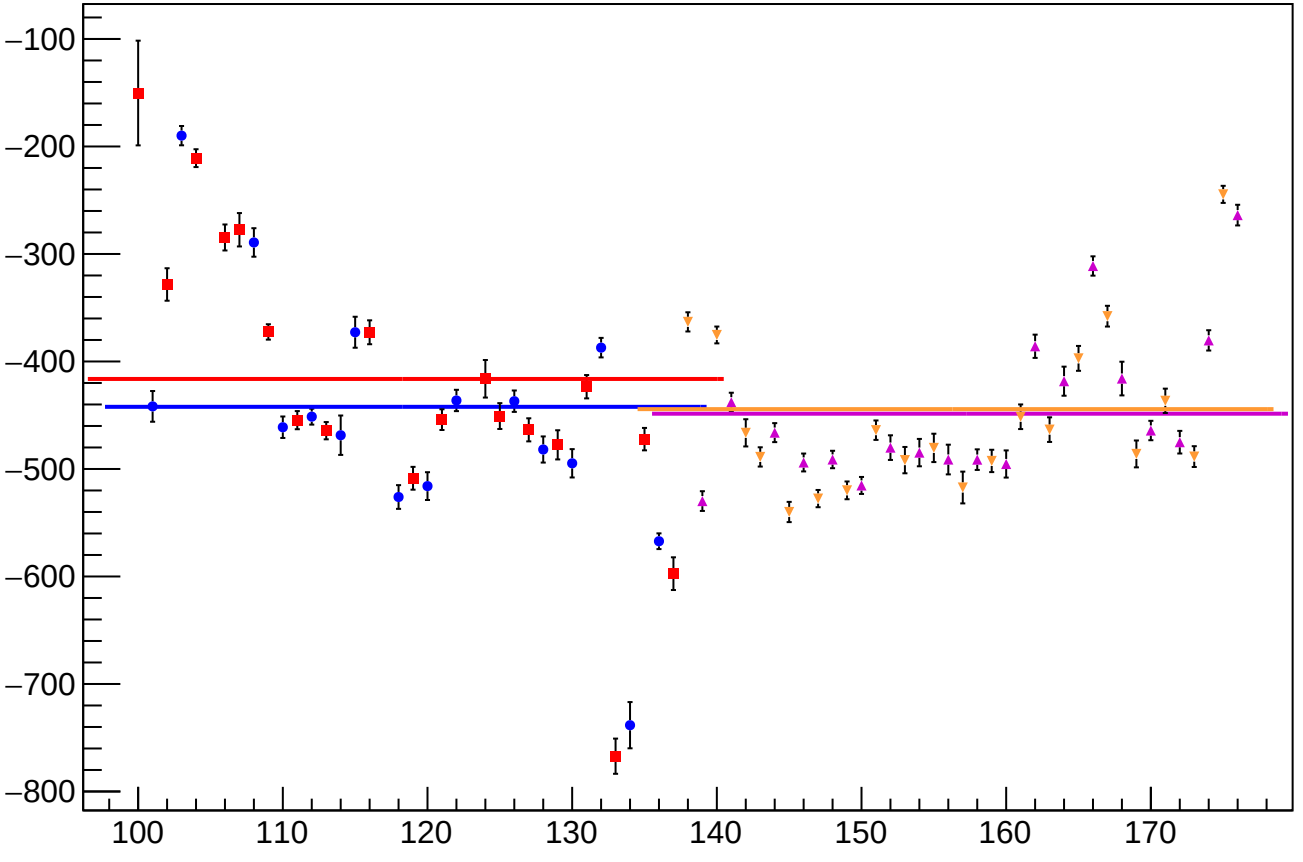
Left In: -20.054+/-0.026 χ^2/NDF:87843.3/18

+ sign -21.515+/-0.024 χ^2/NDF: 184189.1/35

All: -20.746+/-0.017 χ^2/NDF: 358053.9/73

- sign -19.984+/-0.024 χ^2/NDF: 171757.1/37

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -444.326+/-2.227 χ^2/NDF:1319.8/19

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

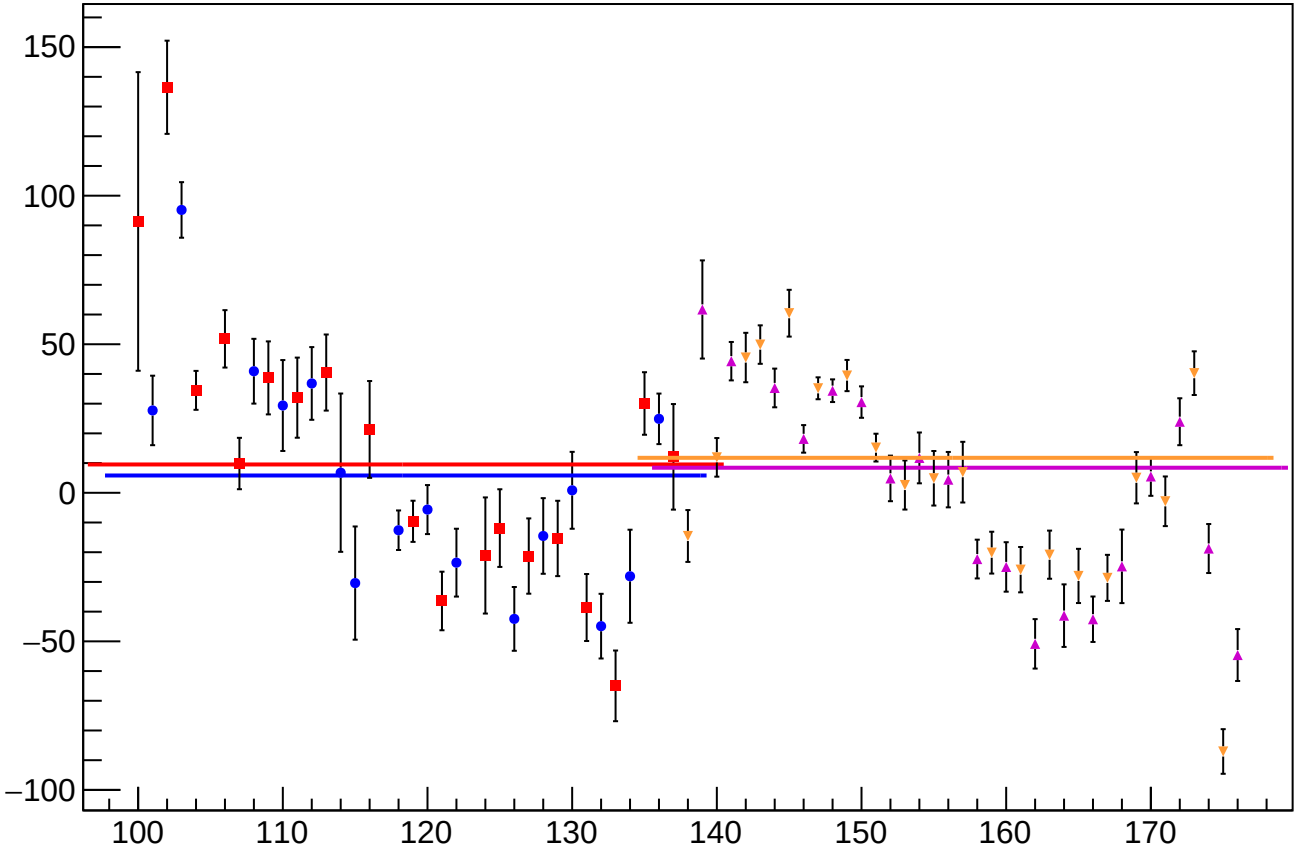
Left In: -448.583+/-2.275 χ^2/NDF:979.5/18

+ sign -443.451+/-1.713 χ^2/NDF: 2909.3/35

All: -438.702+/-1.203 χ^2/NDF: 5748.4/73

- sign -434.083+/-1.690 χ^2/NDF: 2823.9/37

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 11.772+/-1.528 χ^2/NDF:468.1/19

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

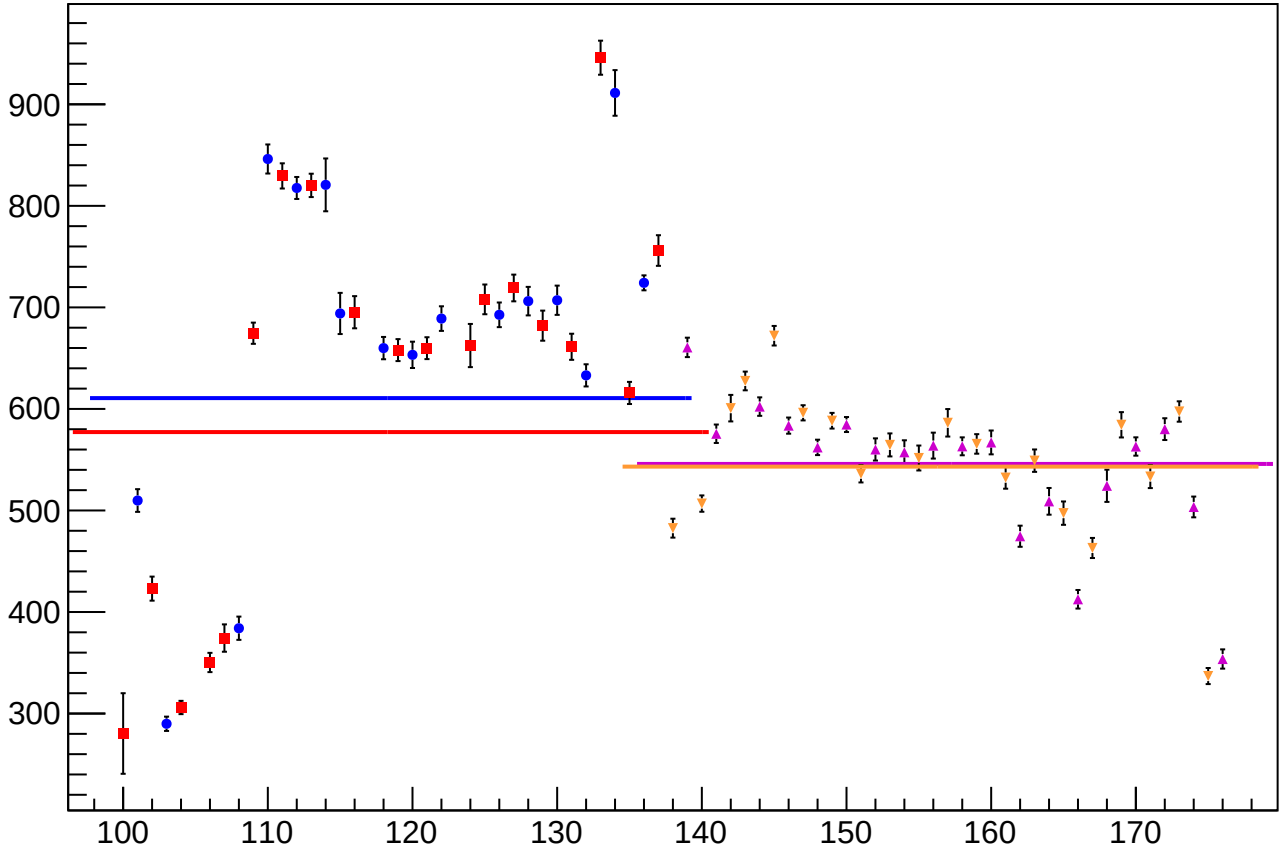
Left In: 8.436+/-1.588 χ^2/NDF:356.7/18

\+ sign 10.351+/-1.333 χ^2/NDF: 659.9/35

All: 9.556+/-0.948 χ^2/NDF: 1239.6/73

\- sign 8.742+/-1.349 χ^2/NDF: 579.0/37

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 543.182+/-2.189 χ^2/NDF:1251.1/19

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

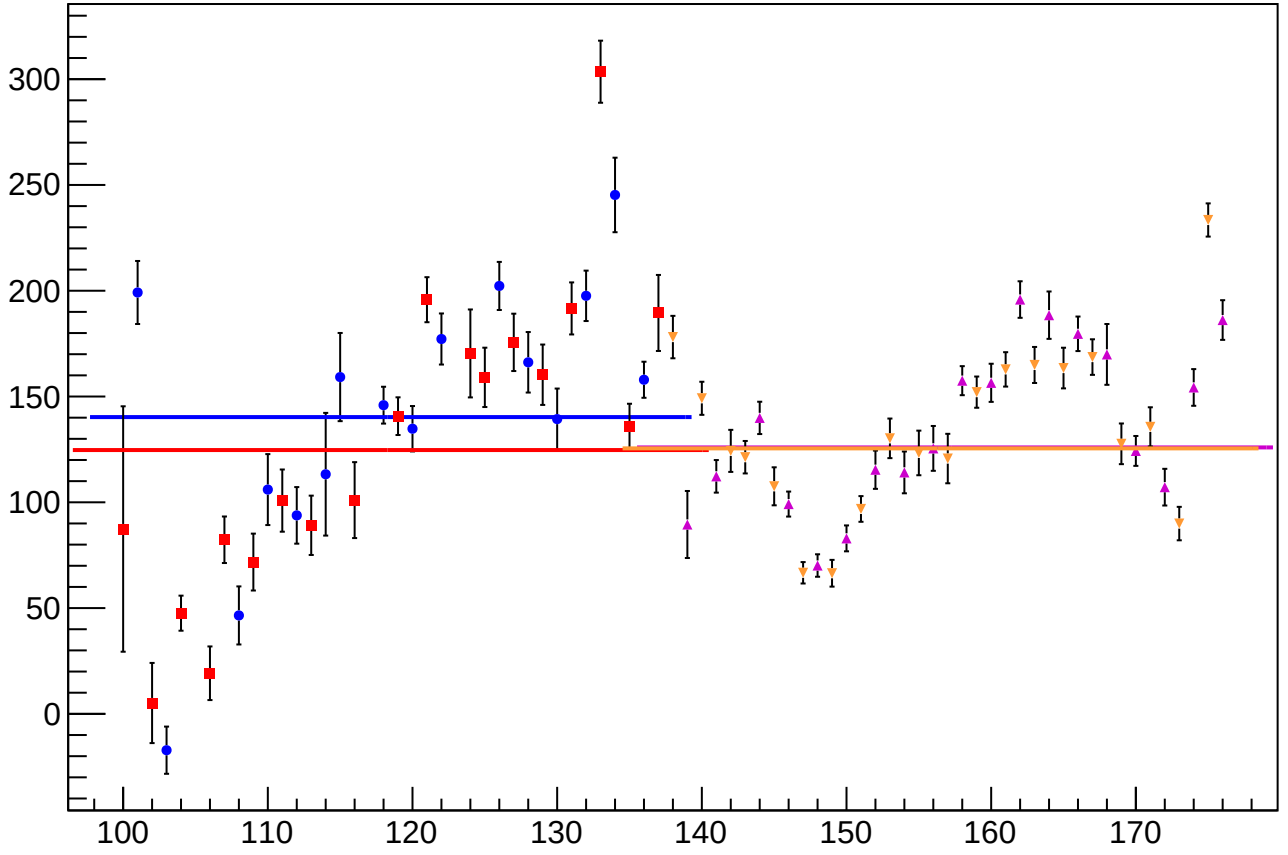
Left In: 545.832+/-2.230 χ^2/NDF:969.6/18

+ sign 567.759+/-1.745 χ^2/NDF: 5489.8/35

All: 562.974+/-1.230 χ^2/NDF: 11353.0/73

- sign 558.253+/-1.734 χ^2/NDF: 5848.2/37

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 125.488+/-1.791 χ^2/NDF:594.0/19

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

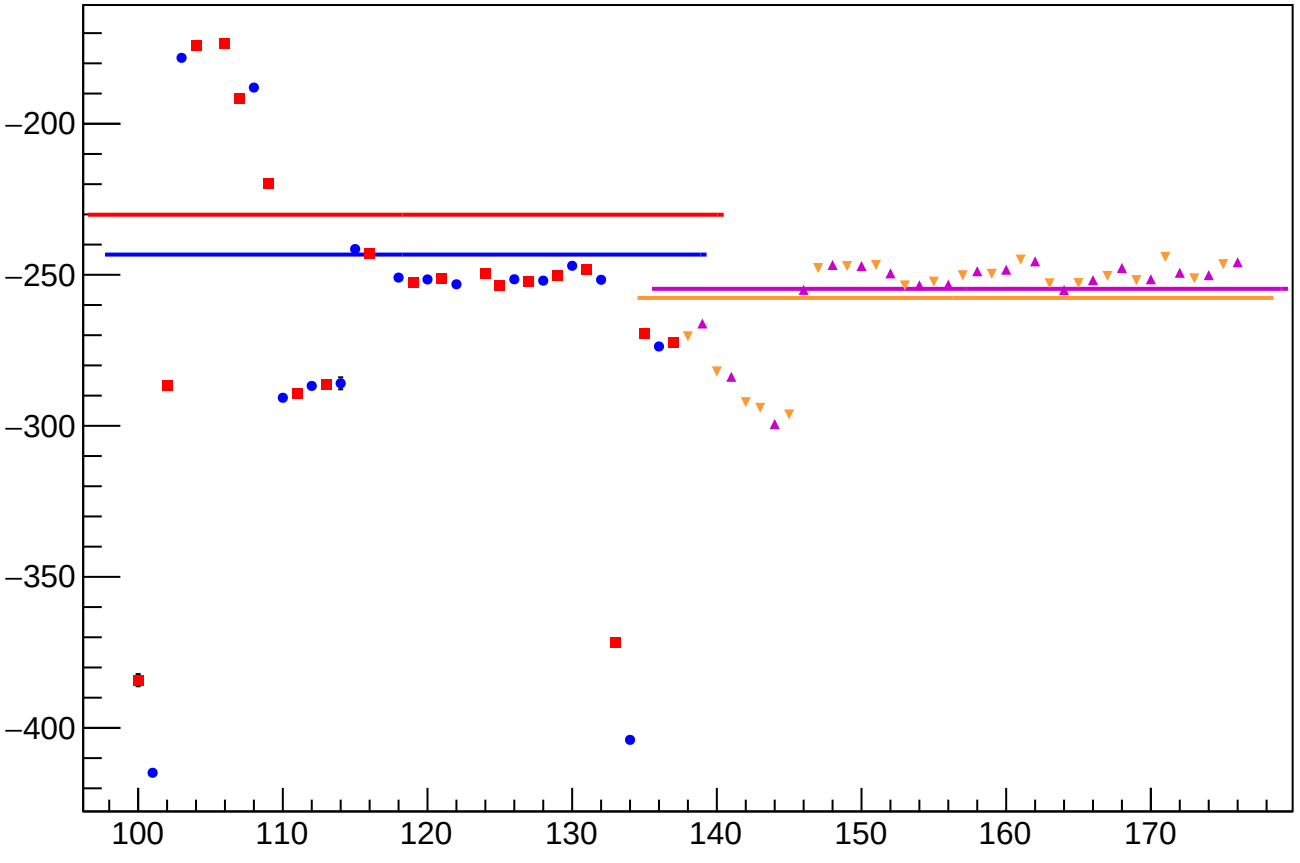
Left In: 125.940+/-1.848 χ^2/NDF:433.4/18

+ sign 129.099+/-1.557 χ^2/NDF: 996.1/35

All: 127.361+/-1.106 χ^2/NDF: 1940.7/73

- sign 125.595+/-1.570 χ^2/NDF: 942.1/37

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -257.664+/-0.085 χ^2/NDF:37634.7/19

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

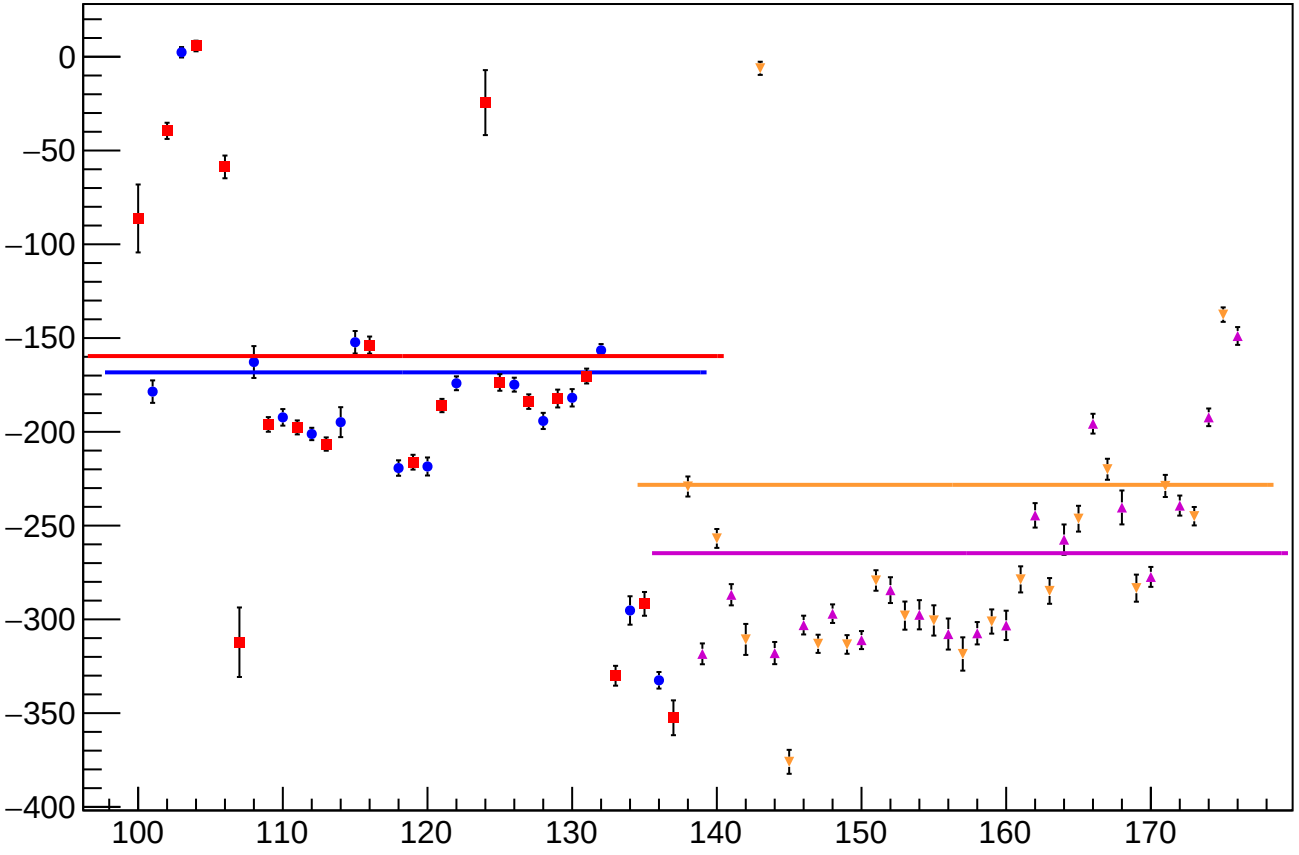
Left In: -254.647+/-0.085 χ^2/NDF:23134.1/18

\+ sign -254.593+/-0.075 χ^2/NDF: 217256.8/35

All: -251.847+/-0.053 χ^2/NDF: 364355.3/73

\- sign -249.152+/-0.074 χ^2/NDF: 144453.5/37

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -228.265+/-1.257 χ^2/NDF:6507.1/19

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

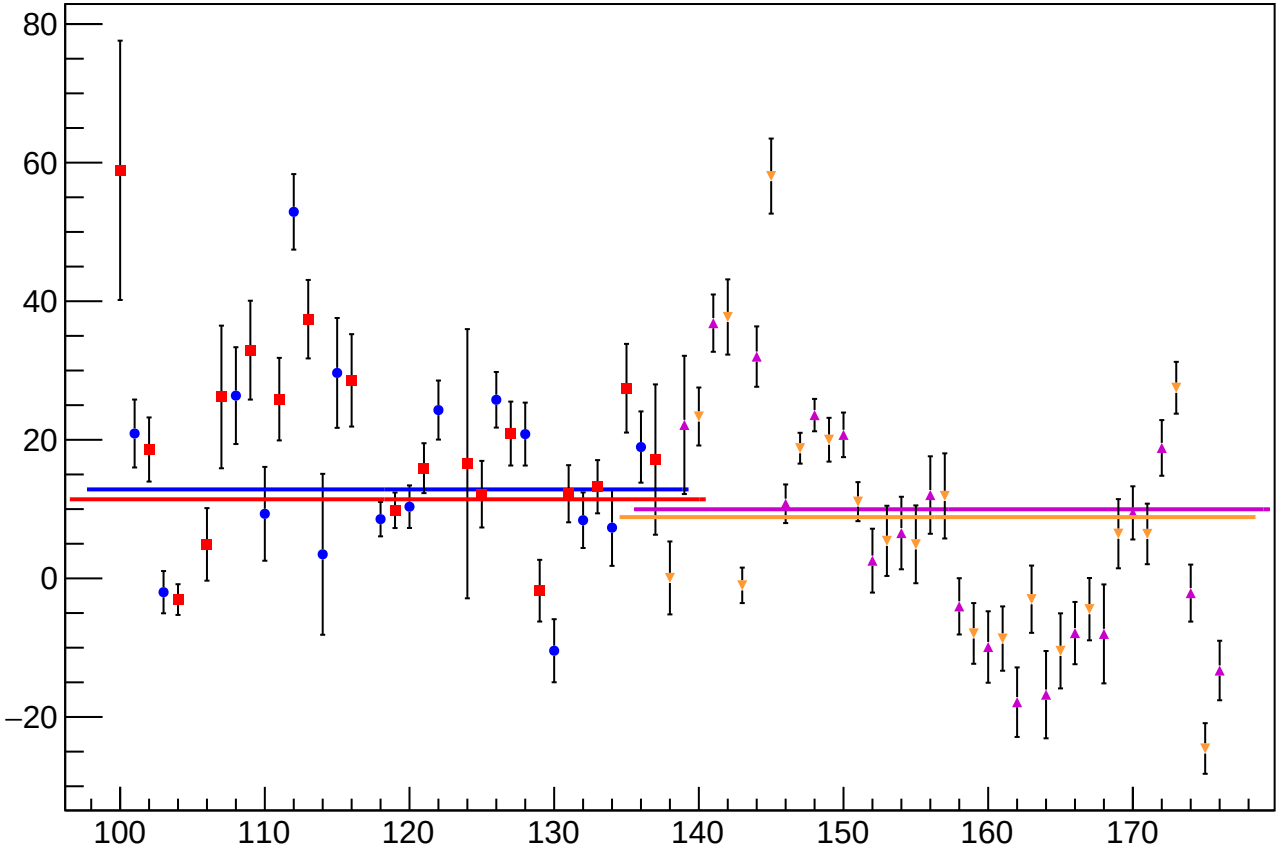
Left In: -264.703+/-1.337 χ^2/NDF:1561.1/18

+ sign -193.635+/-0.817 χ^2/NDF: 13728.2/35

All: -196.471+/-0.580 χ^2/NDF: 26355.6/73

- sign -199.340+/-0.822 χ^2/NDF: 12603.2/37

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 8.843+/-0.876 χ^2/NDF:340.1/19

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

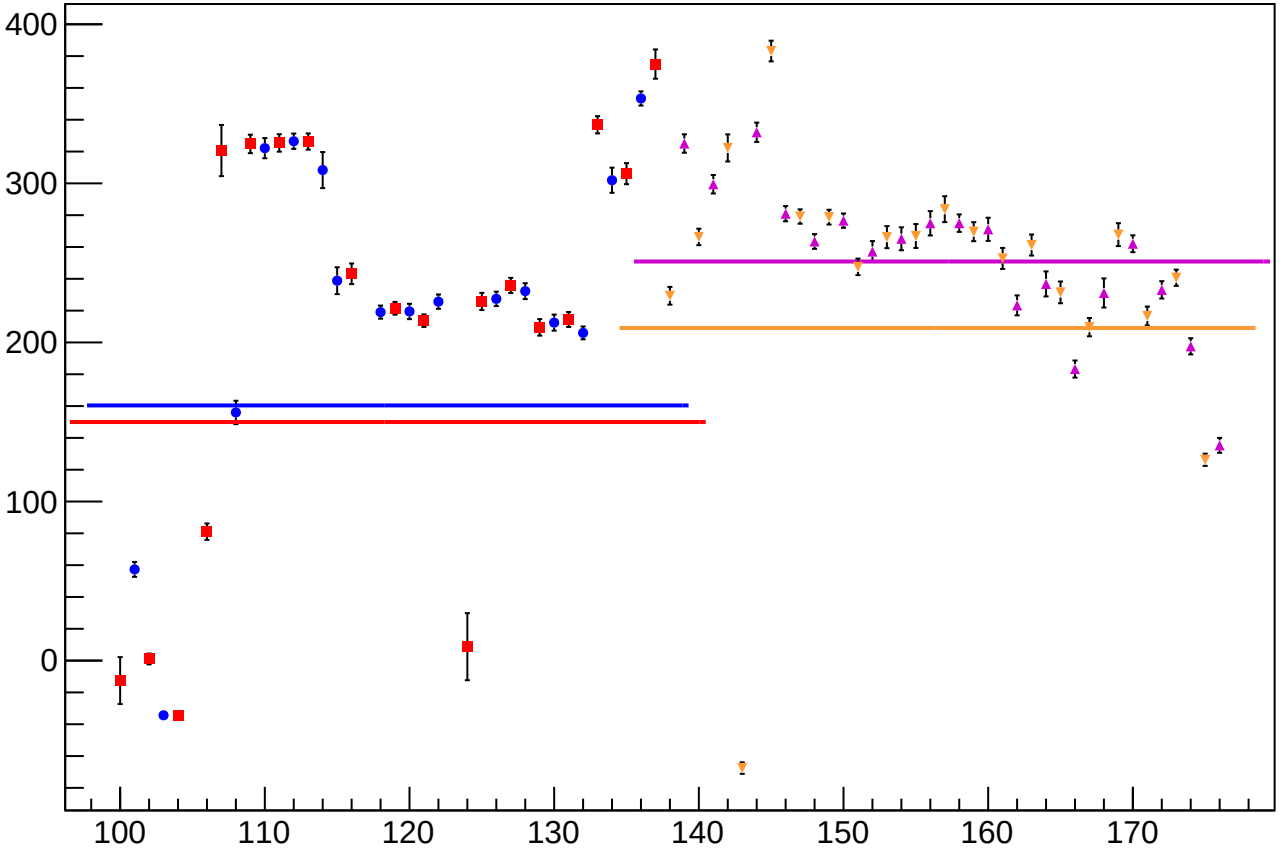
Left In: 9.974+/-0.945 χ^2/NDF:258.1/18

+ sign 10.437+/-0.679 χ^2/NDF: 492.1/35

All: 10.530+/-0.487 χ^2/NDF: 870.8/73

- sign 10.628+/-0.698 χ^2/NDF: 378.7/37

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 209.091+/-1.242 χ^2/NDF:8419.6/19

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

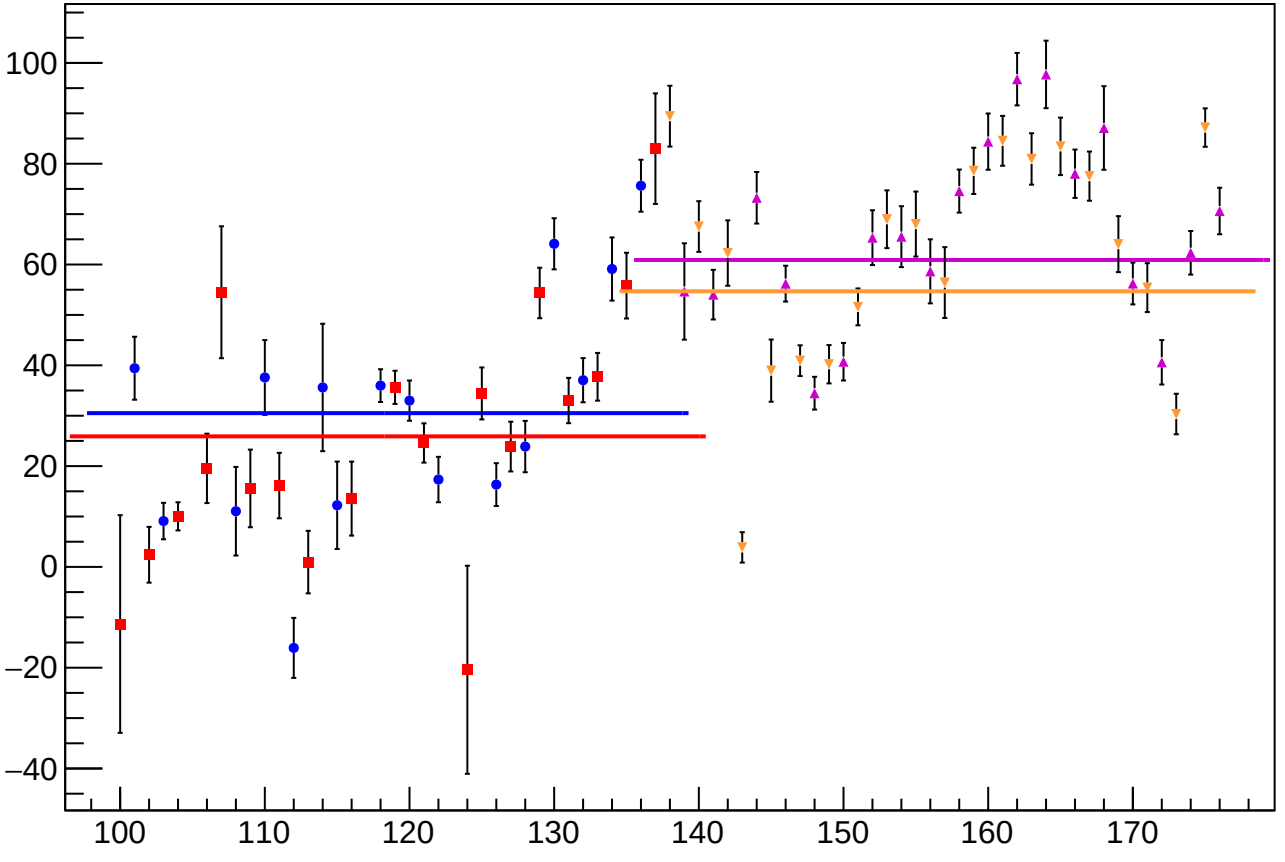
Left In: 250.883+/-1.314 χ^2/NDF:1450.3/18

+ sign 182.653+/-0.839 χ^2/NDF: 23204.2/35

All: 187.204+/-0.596 χ^2/NDF: 44427.5/73

- sign 191.835+/-0.847 χ^2/NDF: 21163.9/37

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 54.687+/-1.022 χ^2/NDF:626.9/19

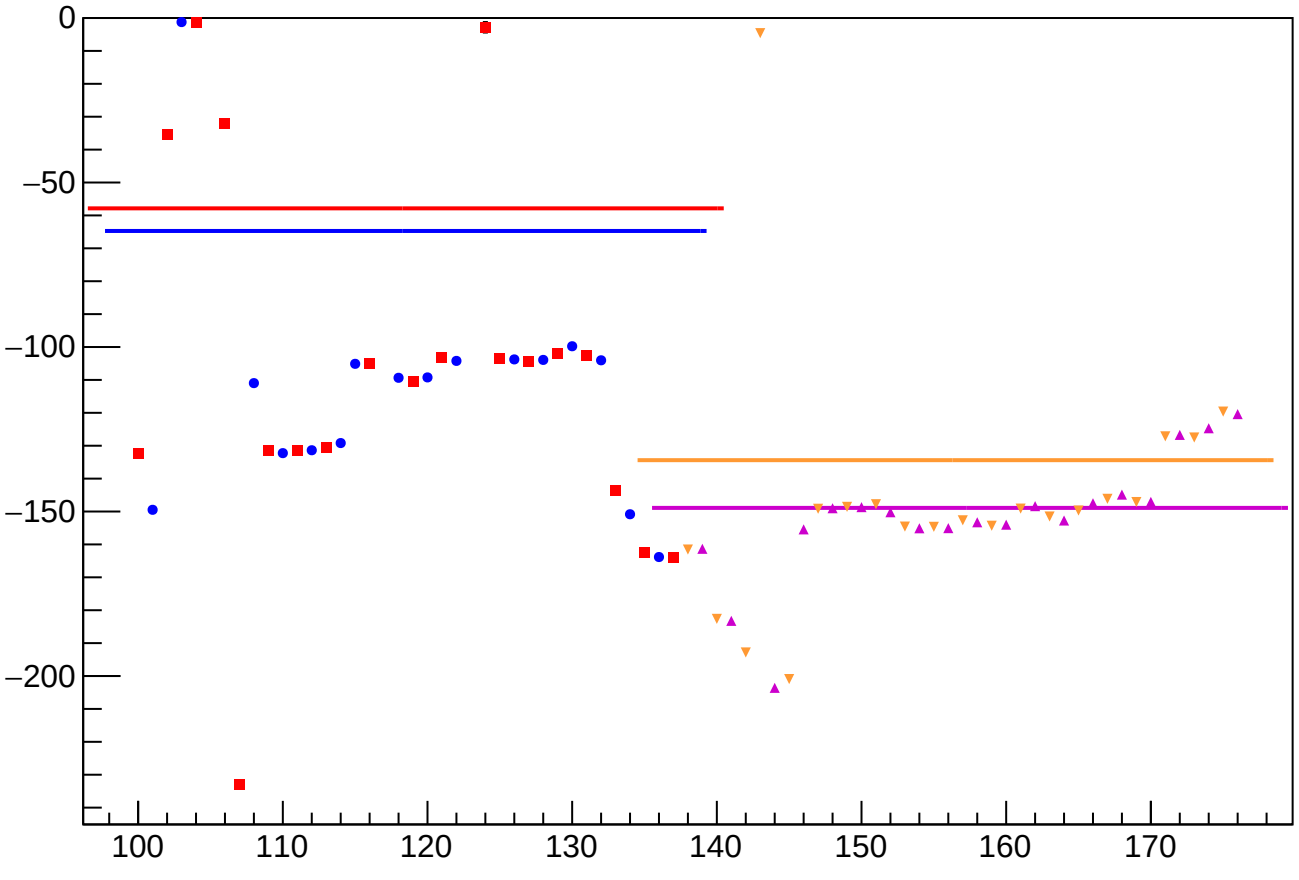
Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 60.906+/-1.093 χ^2/NDF:262.2/18

+ sign 45.045+/-0.792 χ^2/NDF: 1127.1/35

All: 45.128+/-0.567 χ^2/NDF: 2036.5/73

- sign 45.214+/-0.812 χ^2/NDF: 909.3/37



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -134.393+/-0.048 χ^2/NDF:973758.7/19

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

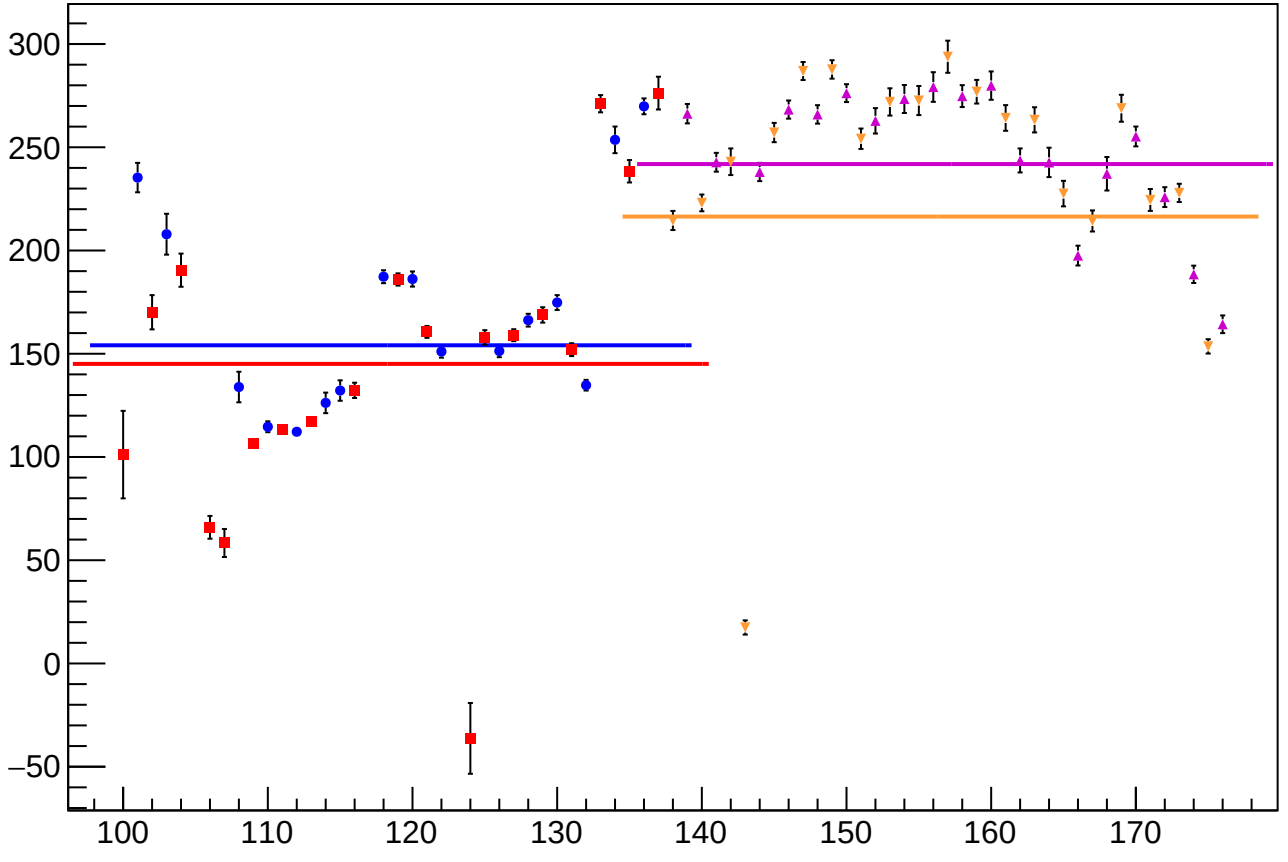
Left In: -148.897+/-0.050 χ^2/NDF:121165.4/18

\+ sign -109.006+/-0.039 χ^2/NDF: 2776248.0/35

All: -111.198+/-0.027 χ^2/NDF: 5089530.6/73

\- sign -113.424+/-0.039 χ^2/NDF: 2306750.4/37

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 216.442+/-1.114 χ^2/NDF:4873.5/19

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

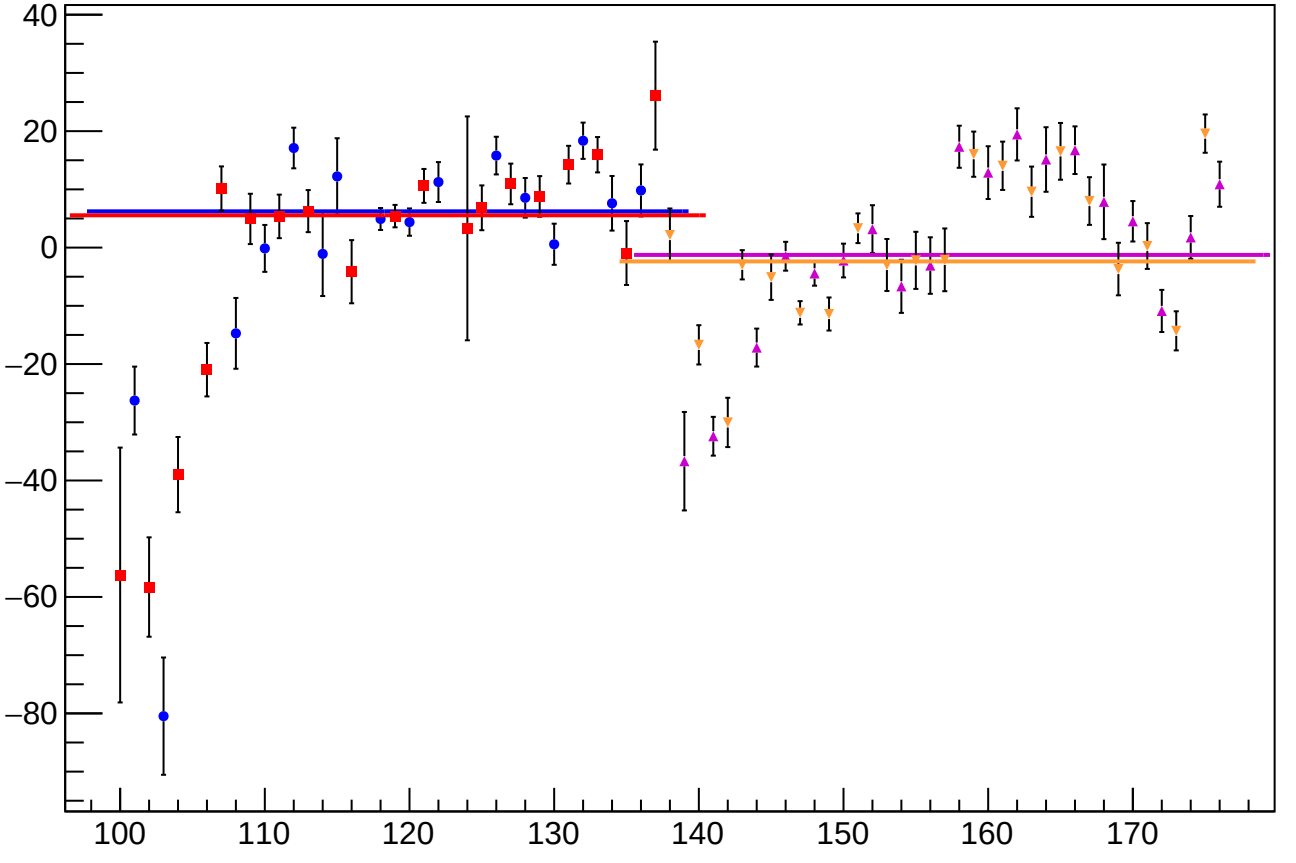
Left In: 241.864+/-1.170 χ^2/NDF:879.3/18

\+ sign 177.687+/-0.685 χ^2/NDF: 9101.7/35

All: 177.470+/-0.481 χ^2/NDF: 17503.6/73

\- sign 177.260+/-0.675 χ^2/NDF: 8401.7/37

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -2.372+/-0.780 χ^2/NDF:221.7/19

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

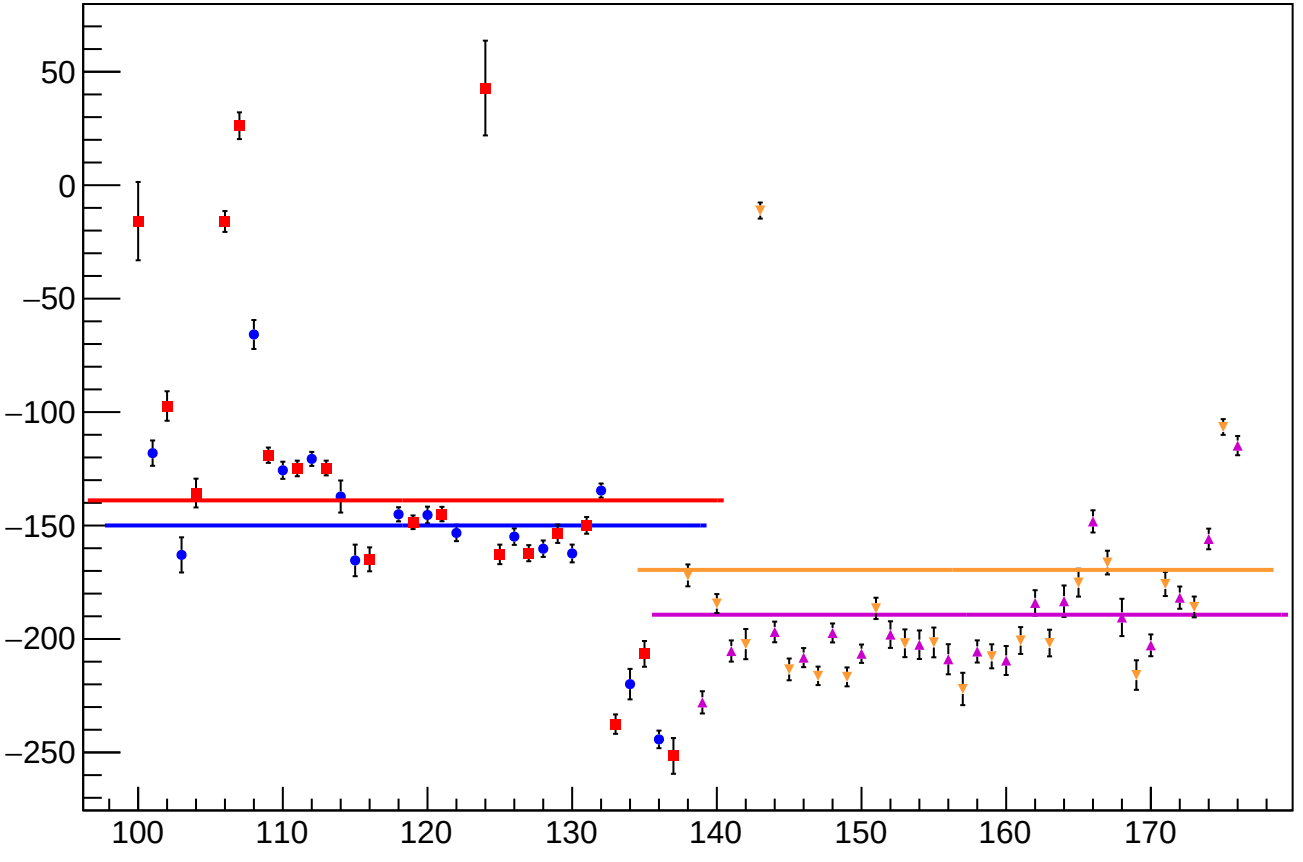
Left In: -1.257+/-0.831 χ^2/NDF:241.9/18

+ sign 1.365+/-0.587 χ^2/NDF: 436.6/35

All: 1.631+/-0.422 χ^2/NDF: 891.3/73

- sign 1.916+/-0.607 χ^2/NDF: 454.2/37

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -169.546+/-1.101 χ^2/NDF:3002.2/19

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

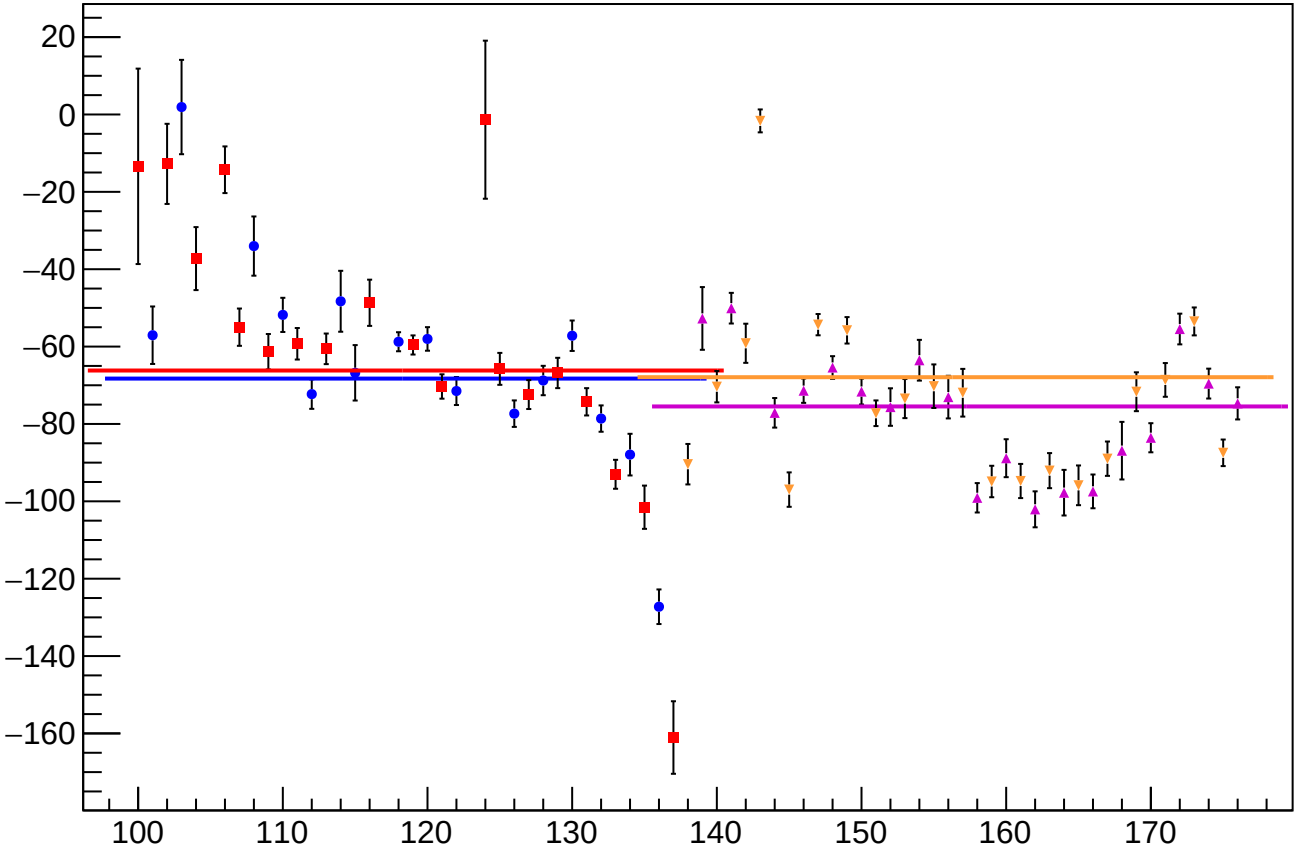
Left In: -189.304+/-1.153 χ^2/NDF:601.8/18

+ sign -159.066+/-0.750 χ^2/NDF: 4270.9/35

All: -159.726+/-0.531 χ^2/NDF: 8721.9/73

- sign -160.390+/-0.753 χ^2/NDF: 4449.4/37

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -67.914+/-0.909 χ^2/NDF:821.9/19

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

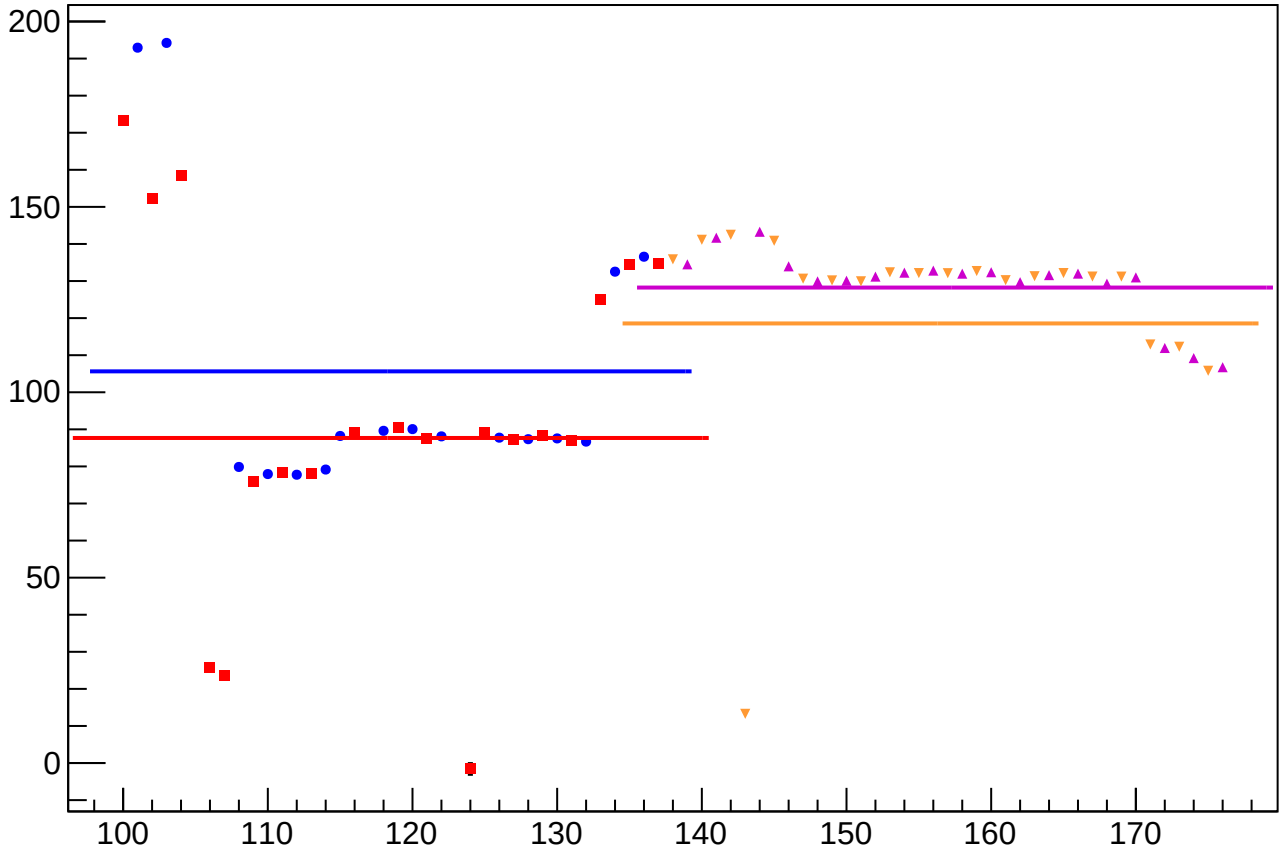
Left In: -75.476+/-0.962 χ^2/NDF:222.5/18

+ sign -68.070+/-0.683 χ^2/NDF: 1137.4/35

All: -69.554+/-0.489 χ^2/NDF: 1771.6/73

- sign -71.120+/-0.701 χ^2/NDF: 624.6/37

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 118.564+/-0.043 χ^2/NDF:613127.1/19

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

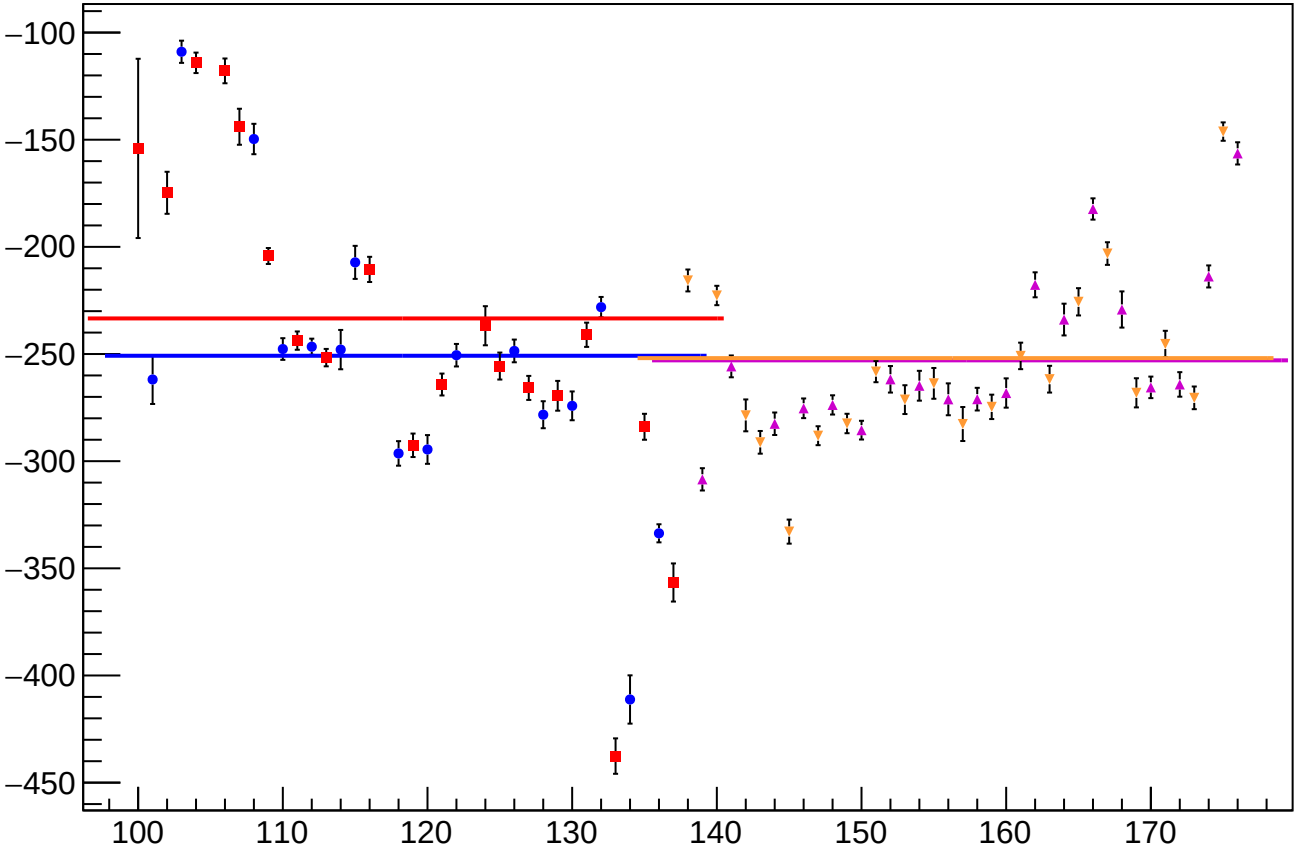
Left In: 128.240+/-0.044 χ^2/NDF:53620.3/18

\+ sign 115.103+/-0.037 χ^2/NDF: 877118.5/35

All: 115.453+/-0.026 χ^2/NDF: 1570275.8/73

\- sign 115.797+/-0.036 χ^2/NDF: 692976.6/37

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -251.917+/-1.238 χ^2/NDF:1254.8/19

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

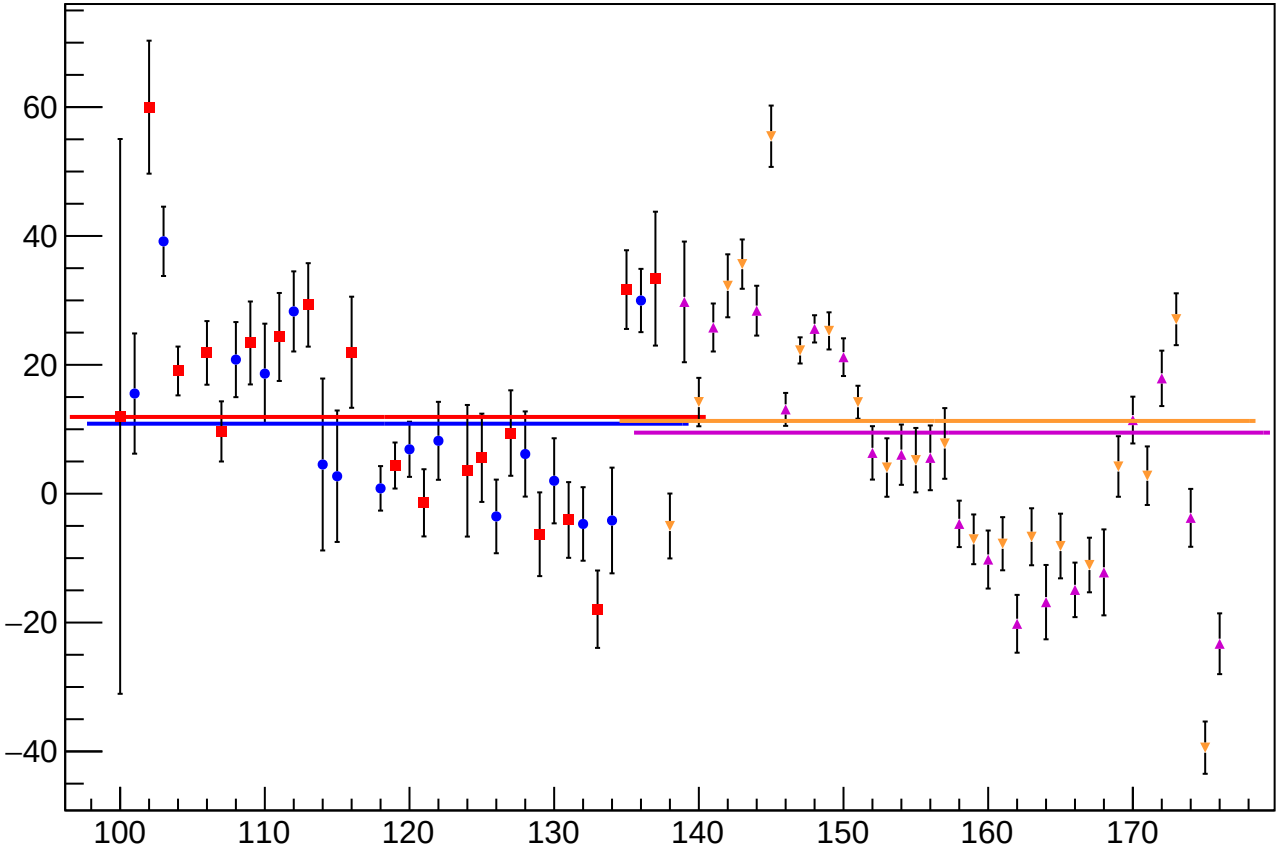
Left In: -252.954+/-1.259 χ^2/NDF:942.5/18

+ sign -251.447+/-0.938 χ^2/NDF: 2990.8/35

All: -247.494+/-0.655 χ^2/NDF: 6460.2/73

- sign -243.732+/-0.916 χ^2/NDF: 3434.7/37

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 11.292+/-0.848 χ^2/NDF:495.0/19

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

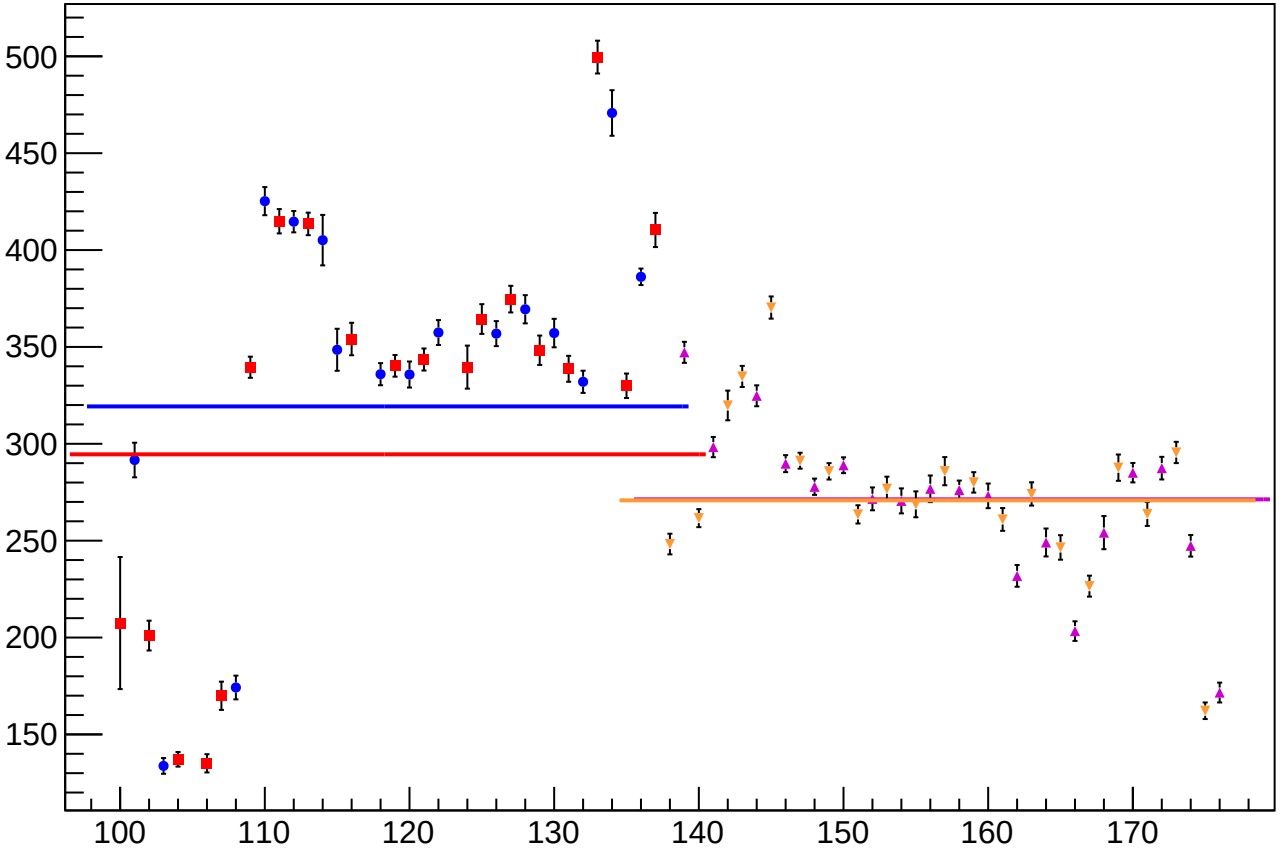
Left In: 9.474+/-0.878 χ^2/NDF:329.5/18

+ sign 11.185+/-0.735 χ^2/NDF: 579.8/35

All: 10.689+/-0.521 χ^2/NDF: 1024.3/73

- sign 10.186+/-0.739 χ^2/NDF: 443.7/37

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 270.818+/-1.215 χ^2/NDF:1307.8/19

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

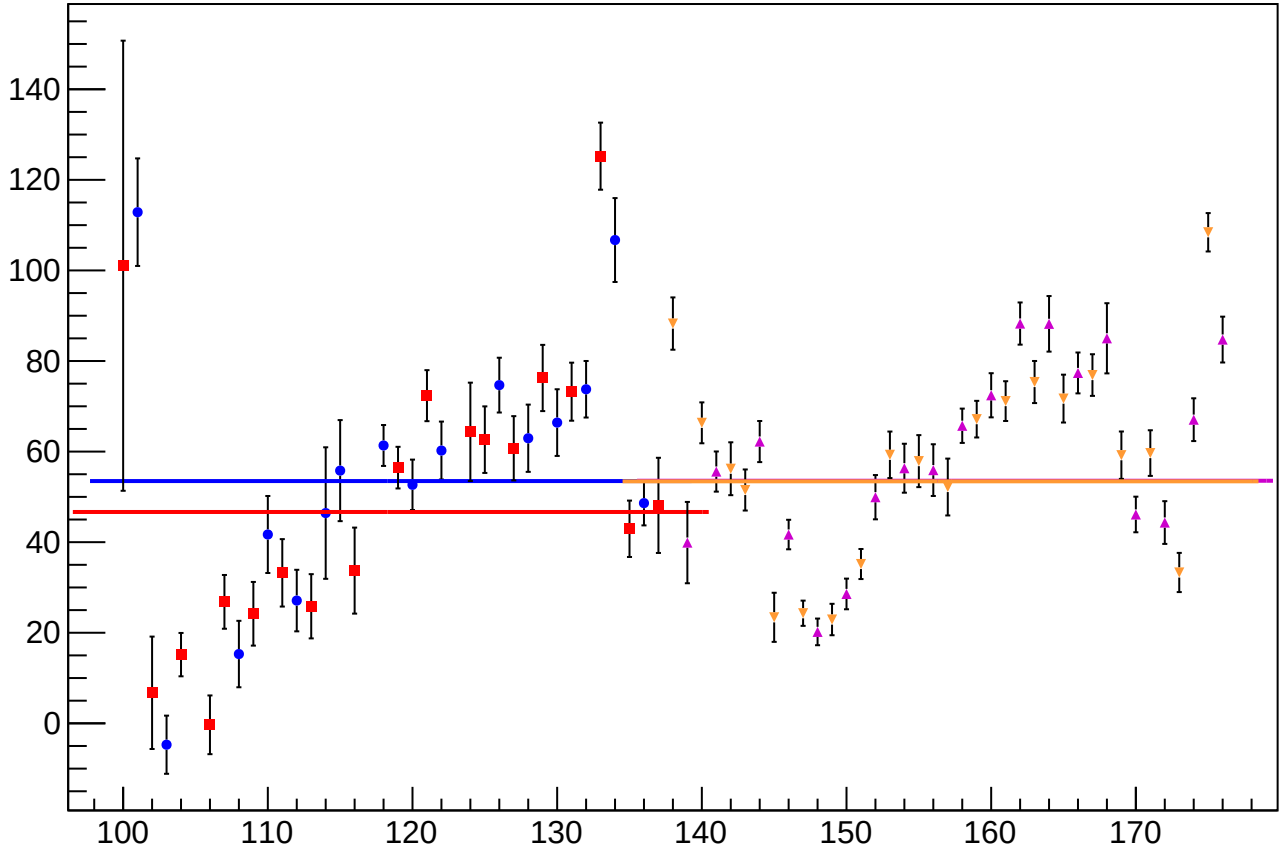
Left In: 271.323+/-1.233 χ^2/NDF:1017.2/18

+ sign 288.749+/-0.965 χ^2/NDF: 5689.3/35

All: 284.725+/-0.676 χ^2/NDF: 12389.3/73

- sign 280.839+/-0.948 χ^2/NDF: 6665.8/37

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 53.436+/-0.993 χ^2/NDF:575.3/19

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

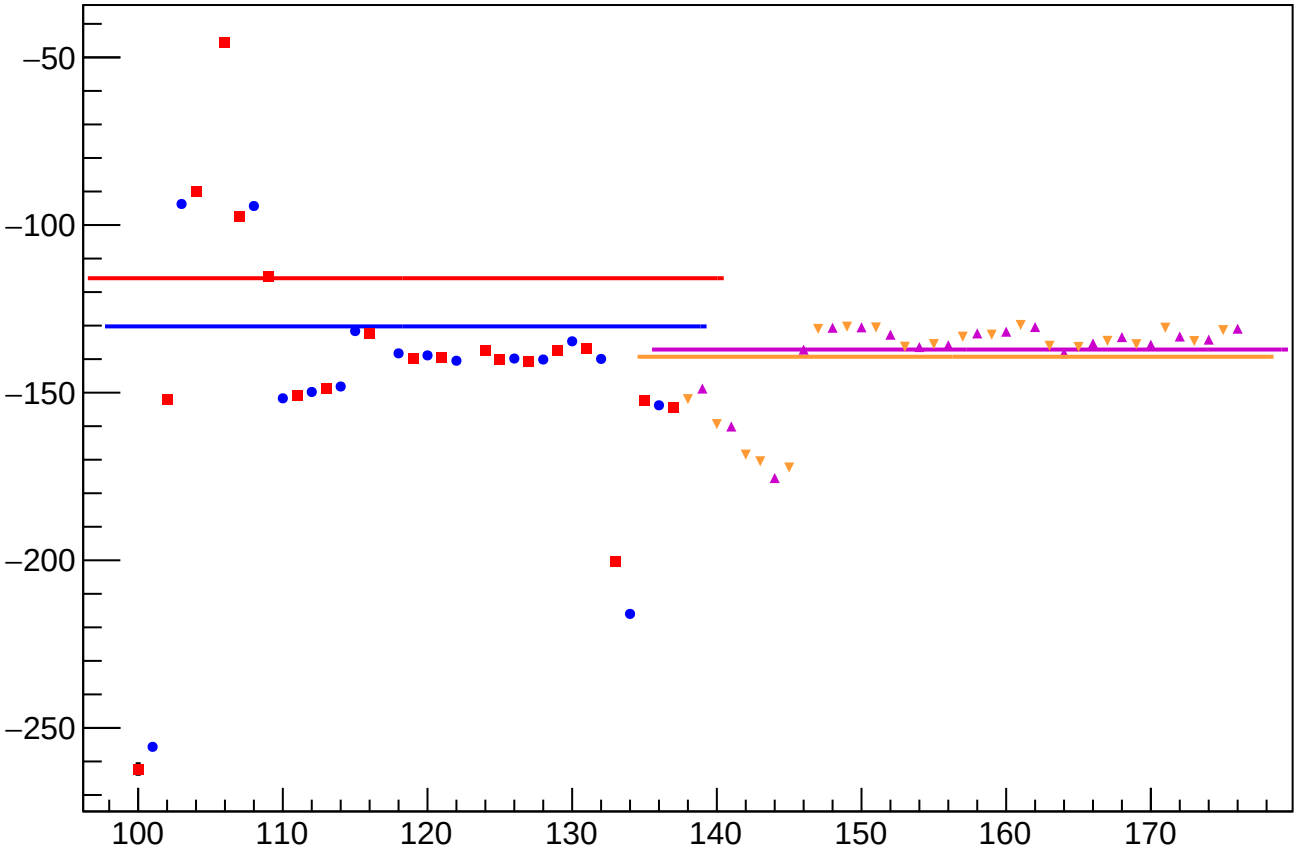
Left In: 53.562+/-1.021 χ^2/NDF:413.9/18

+ sign 53.451+/-0.857 χ^2/NDF: 792.5/35

All: 52.505+/-0.607 χ^2/NDF: 1547.7/73

- sign 51.554+/-0.860 χ^2/NDF: 752.8/37

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -139.293+/-0.047 χ^2/NDF:78035.9/19

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

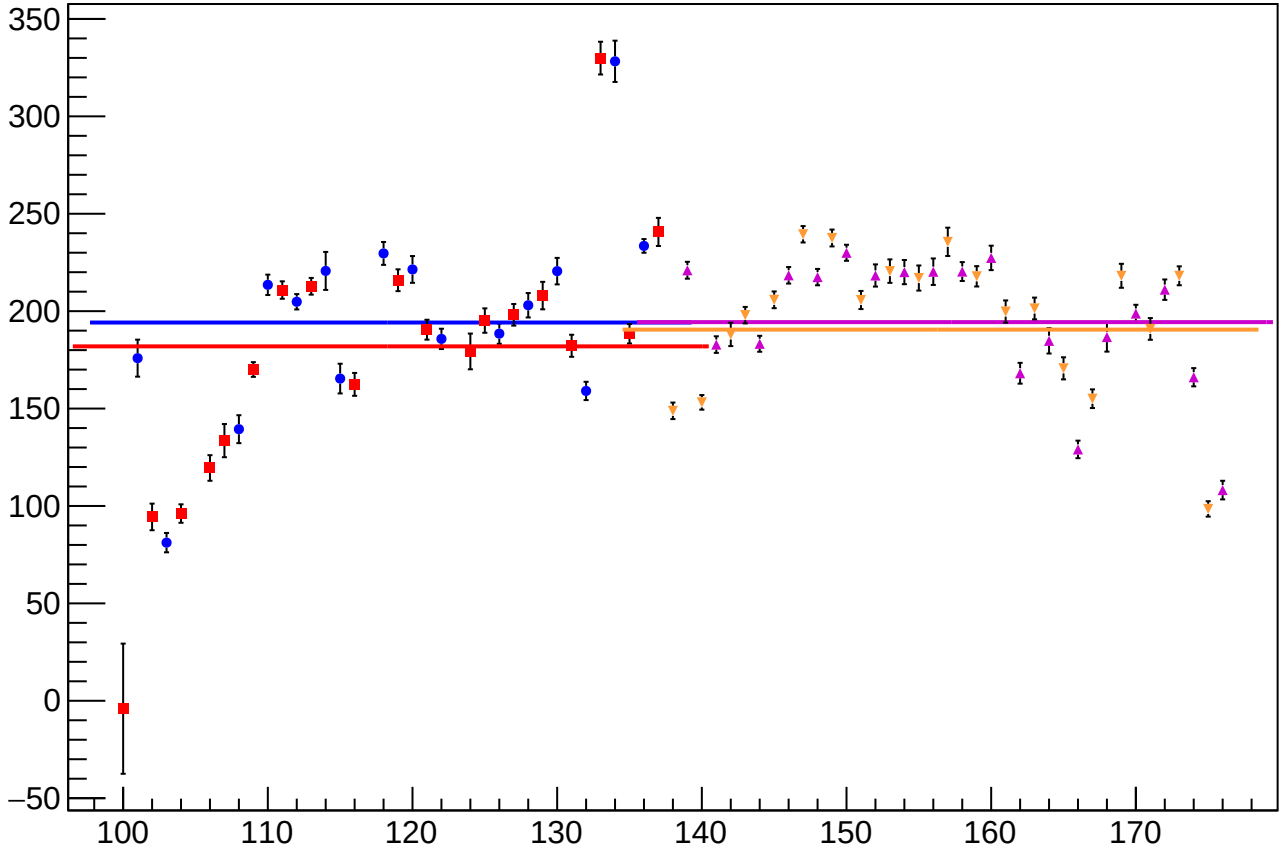
Left In: -137.139+/-0.047 χ^2/NDF:47837.5/18

+ sign -137.393+/-0.042 χ^2/NDF: 260057.1/35

All: -134.790+/-0.029 χ^2/NDF: 568967.6/73

- sign -132.279+/-0.041 χ^2/NDF: 301260.3/37

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 190.526+/-1.097 χ^2/NDF:1250.4/19

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

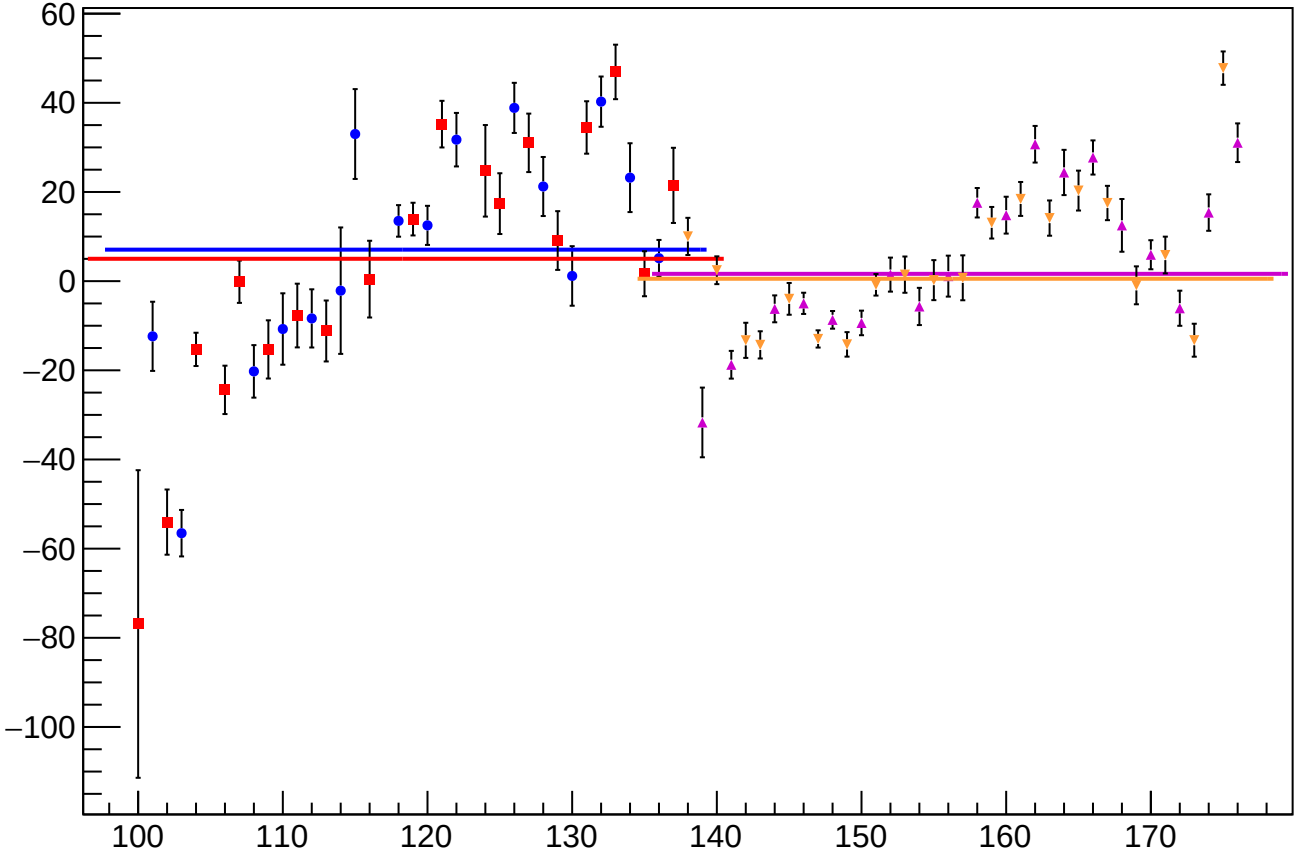
Left In: 194.375+/-1.127 χ^2/NDF:906.9/18

+ sign 191.903+/-0.865 χ^2/NDF: 2289.7/35

All: 190.506+/-0.609 χ^2/NDF: 4458.0/73

- sign 189.134+/-0.858 χ^2/NDF: 2163.1/37

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 0.537+/-0.762 χ^2/NDF:381.4/19

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

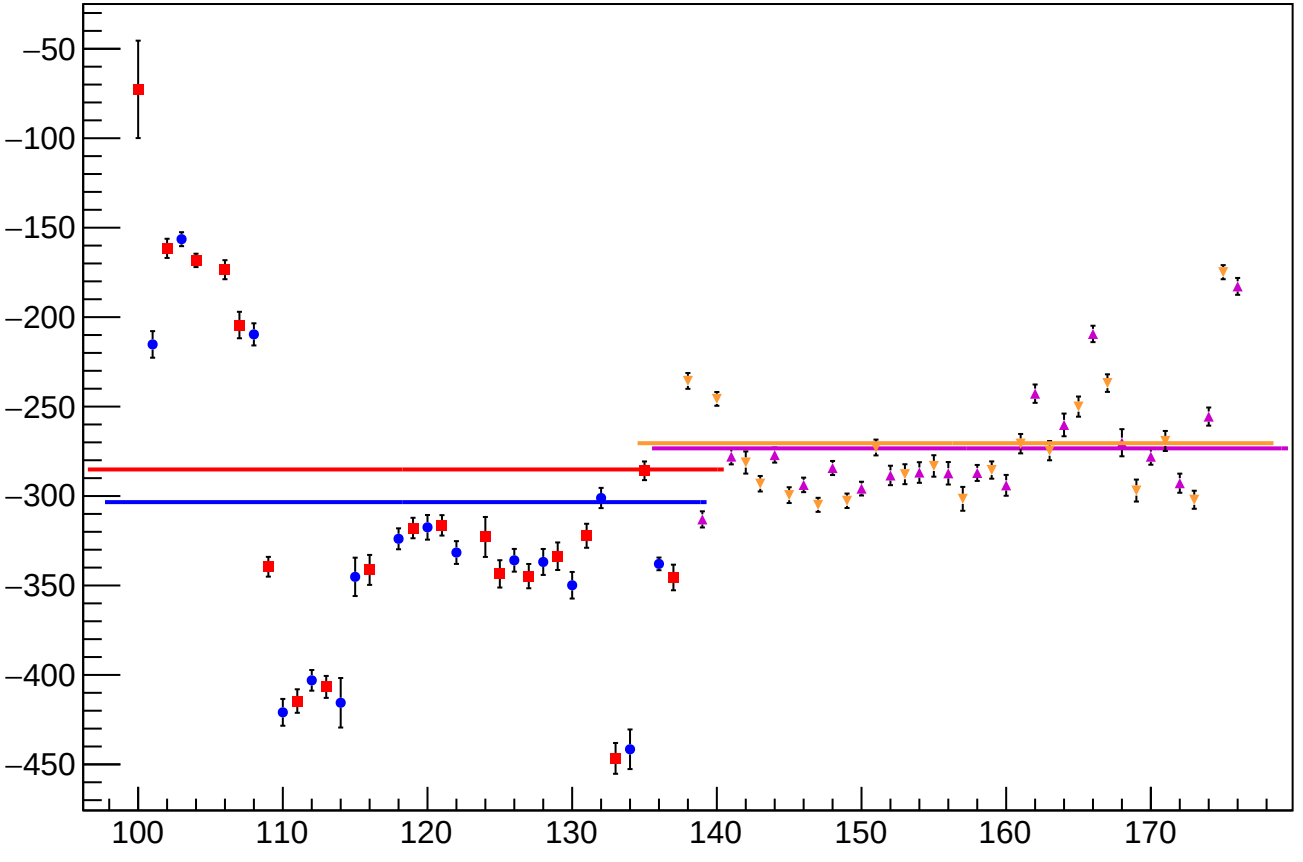
Left In: 1.639+/-0.795 χ^2/NDF:337.9/18

+ sign 1.962+/-0.674 χ^2/NDF: 690.0/35

All: 2.229+/-0.481 χ^2/NDF: 1321.4/73

- sign 2.504+/-0.686 χ^2/NDF: 631.1/37

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -270.458+/-1.082 χ^2/NDF:1068.7/19

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

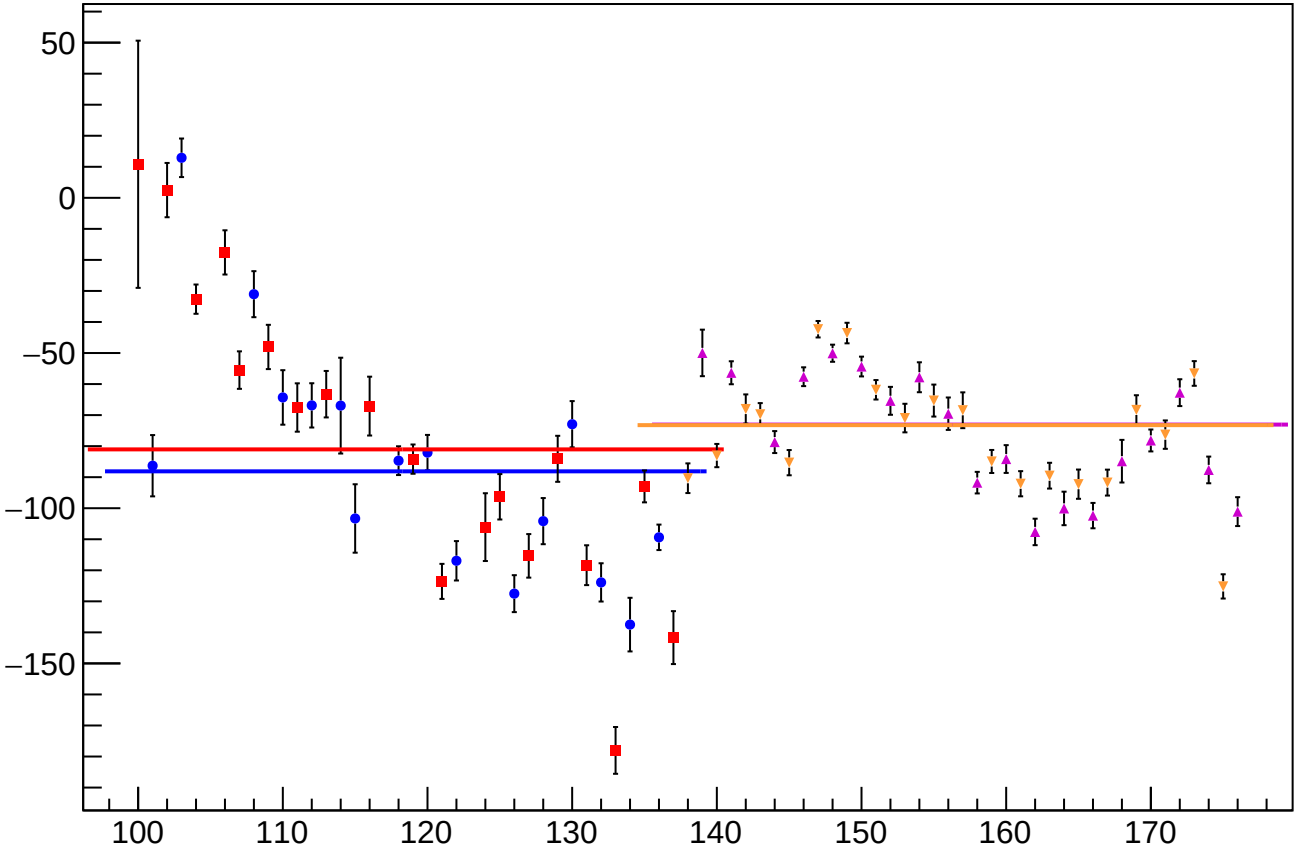
Left In: -273.353+/-1.107 χ^2/NDF:816.7/18

\+ sign -281.438+/-0.883 χ^2/NDF: 4163.4/35

All: -279.560+/-0.623 χ^2/NDF: 8785.7/73

\- sign -277.694+/-0.880 χ^2/NDF: 4613.3/37

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -73.234+/-0.890 χ^2/NDF:541.8/19

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

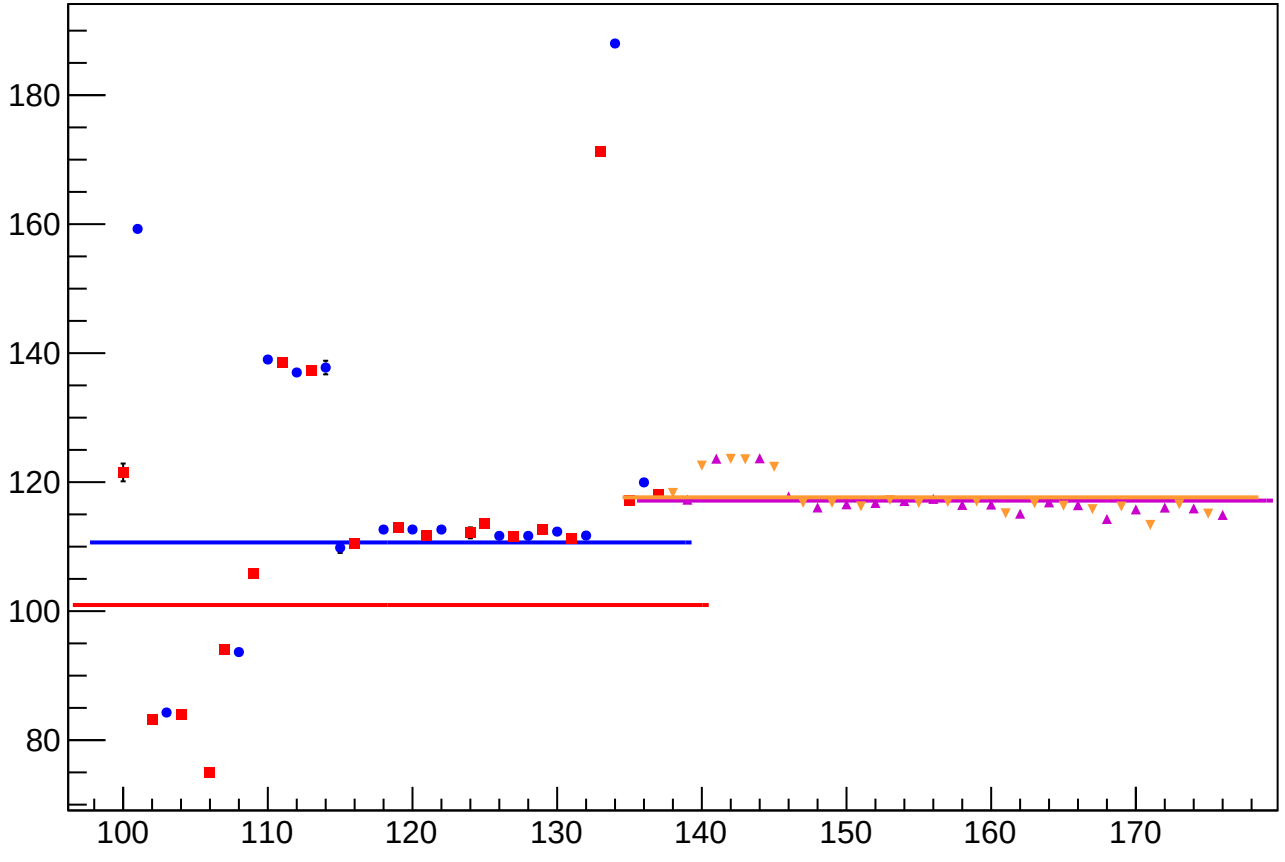
Left In: -73.058+/-0.922 χ^2/NDF:411.5/18

+ sign -76.574+/-0.784 χ^2/NDF: 1116.4/35

All: -75.852+/-0.558 χ^2/NDF: 2226.5/73

- sign -75.109+/-0.795 χ^2/NDF: 1108.3/37

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.644+/-0.042 χ^2/NDF:4467.4/19

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

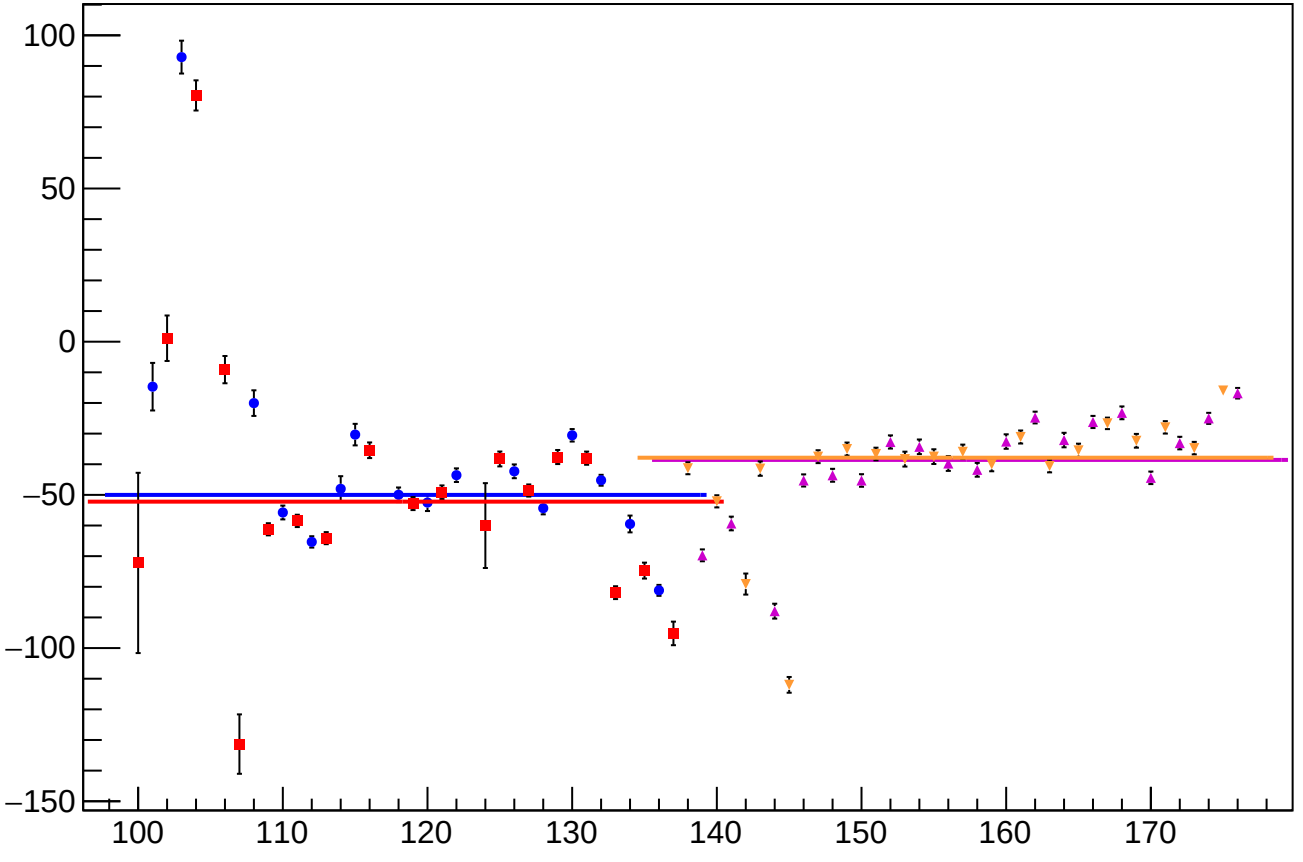
Left In: 117.138+/-0.042 χ^2/NDF:3171.8/18

+ sign 116.301+/-0.038 χ^2/NDF: 93354.0/35

All: 114.995+/-0.026 χ^2/NDF: 192438.5/73

- sign 113.715+/-0.037 χ^2/NDF: 96696.7/37

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -37.870+/-0.476 χ^2/NDF:1338.5/19

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

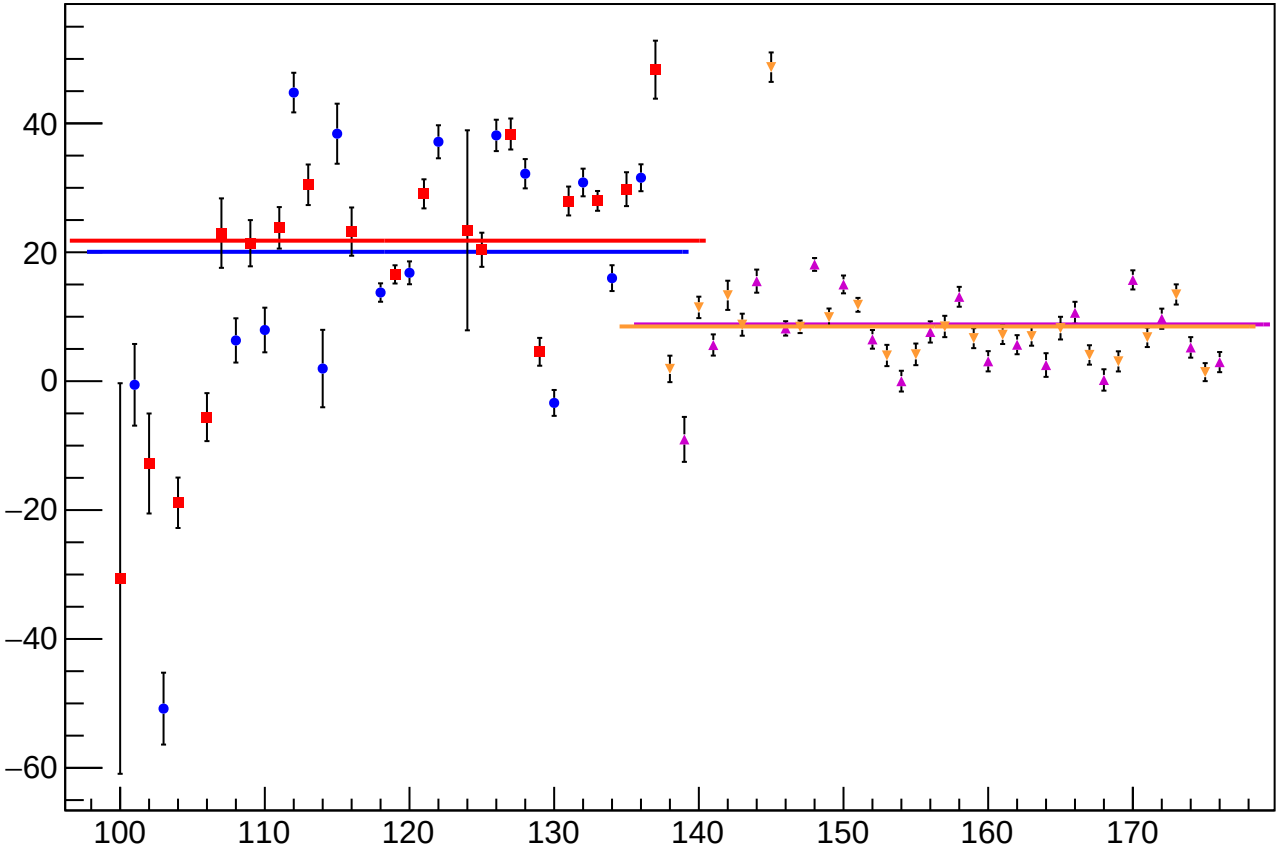
Left In: -38.587+/-0.480 χ^2/NDF:1184.9/18

\+ sign -42.462+/-0.375 χ^2/NDF: 2912.1/35

All: -43.155+/-0.266 χ^2/NDF: 5985.0/73

\- sign -43.853+/-0.376 χ^2/NDF: 3066.0/37

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.489+/-0.338 χ^2/NDF:413.8/19

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

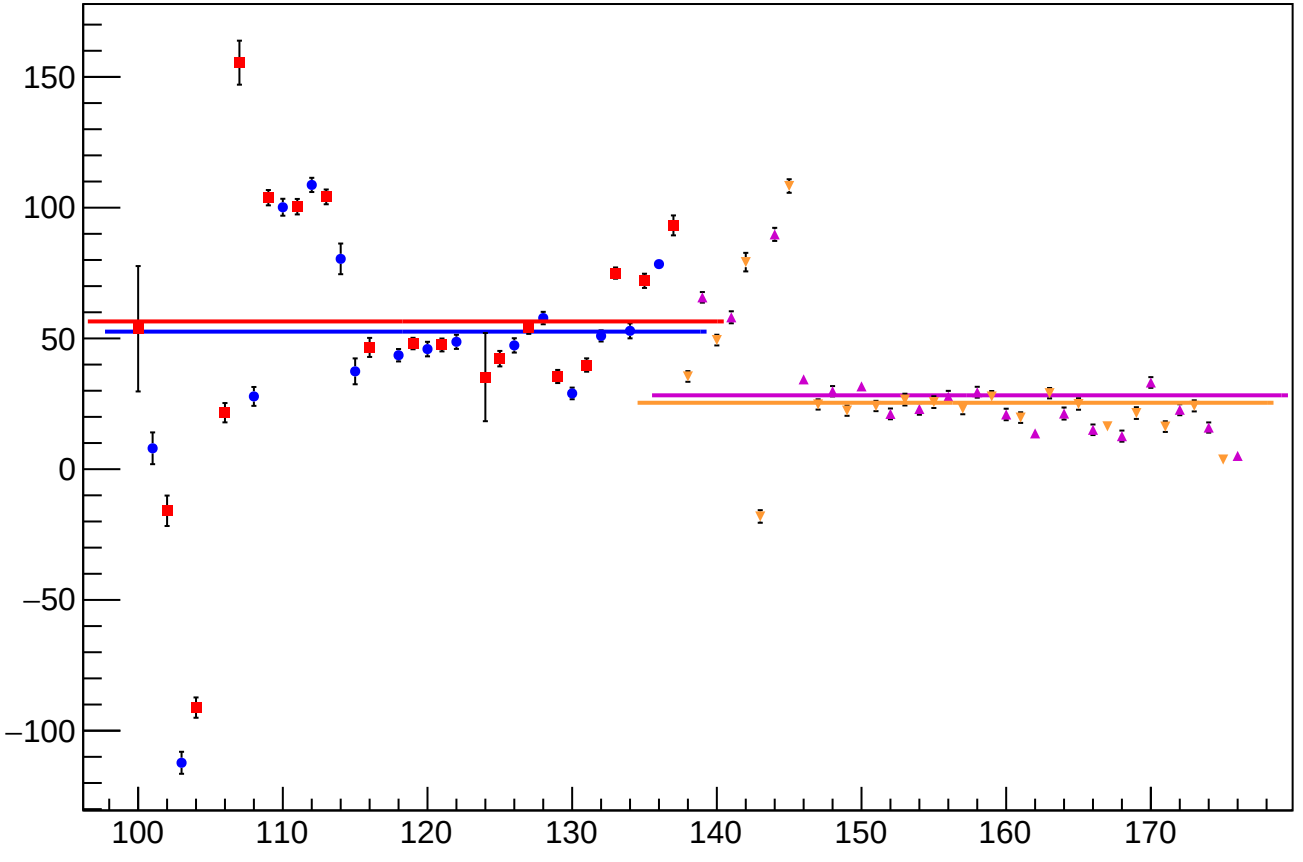
Left In: 8.806+/-0.348 χ^2/NDF:290.7/18

+ sign 11.191+/-0.296 χ^2/NDF: 1324.7/35

All: 11.535+/-0.212 χ^2/NDF: 2347.1/73

- sign 11.897+/-0.303 χ^2/NDF: 1019.6/37

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 25.398+/-0.467 χ^2/NDF:2018.4/19

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

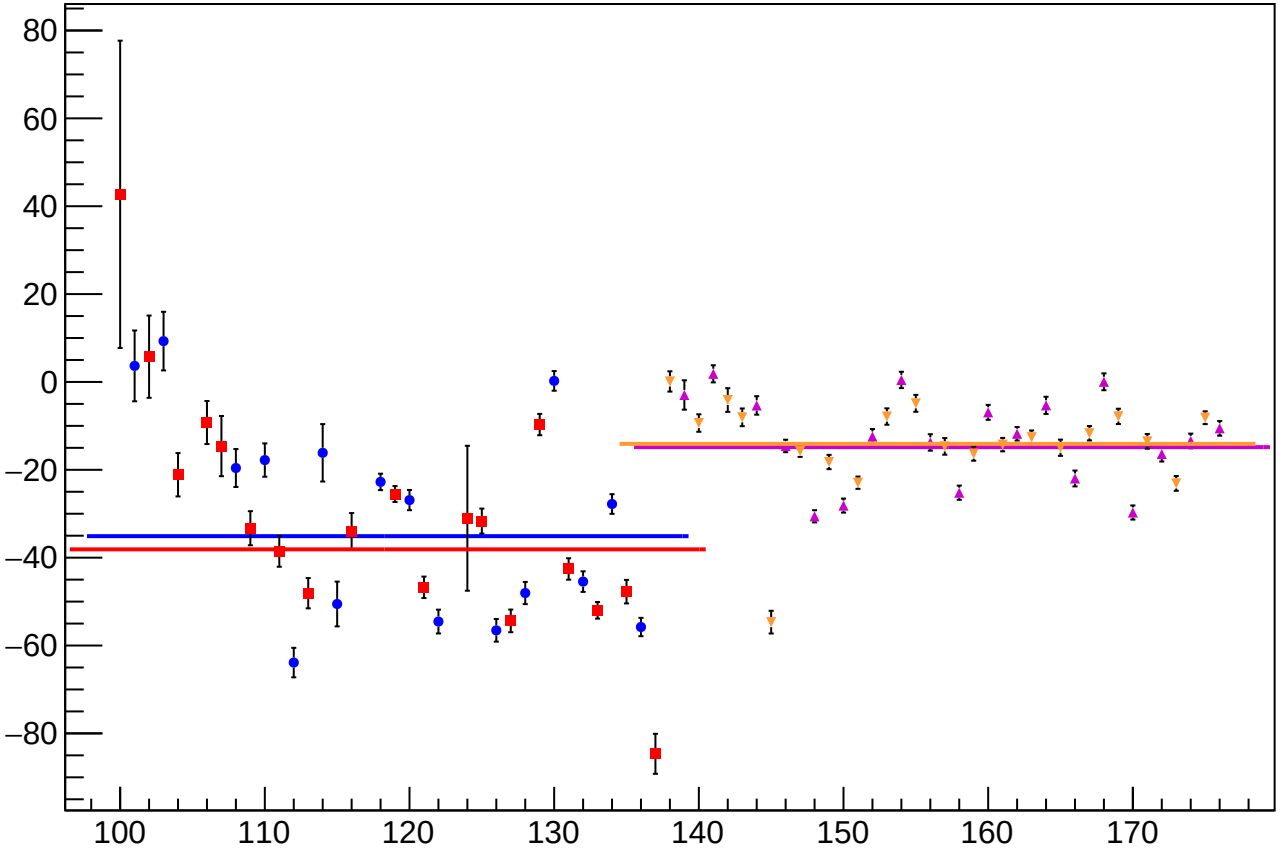
Left In: 28.246+/-0.472 χ^2/NDF:1563.4/18

\+ sign 33.838+/-0.388 χ^2/NDF: 5730.8/35

All: 35.389+/-0.276 χ^2/NDF: 11400.5/73

\- sign 36.974+/-0.392 χ^2/NDF: 5637.4/37

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.097+/-0.387 χ^2/NDF:458.4/19

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

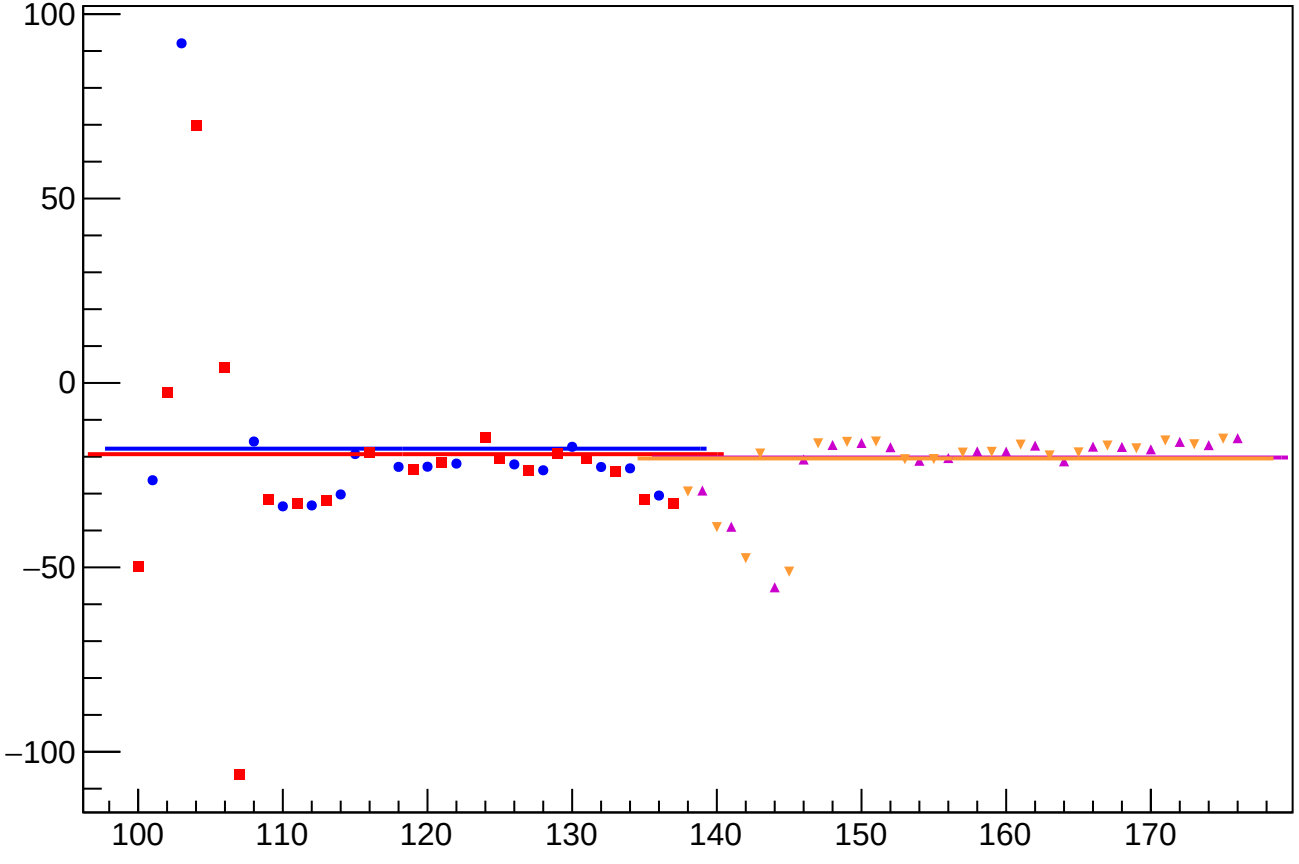
Left In: -14.837+/-0.397 χ^2/NDF:634.1/18

+ sign -19.024+/-0.339 χ^2/NDF: 1920.8/35

All: -19.666+/-0.243 χ^2/NDF: 3888.3/73

- sign -20.340+/-0.347 χ^2/NDF: 1960.1/37

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -20.463+/-0.018 χ^2/NDF:210162.4/19

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

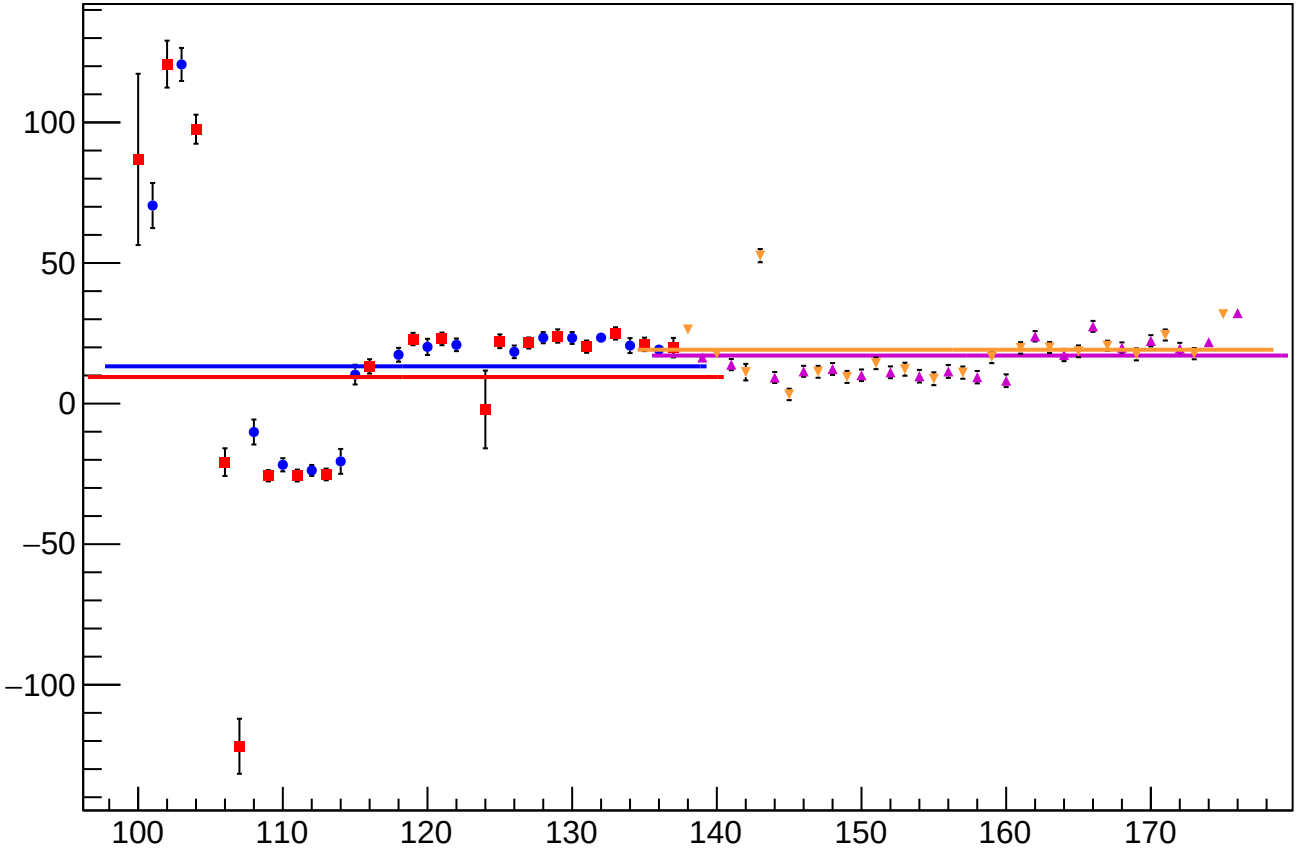
Left In: -20.214+/-0.017 χ^2/NDF:178459.3/18

\+ sign -20.085+/-0.016 χ^2/NDF: 639479.7/35

All: -20.093+/-0.012 χ^2/NDF: 1162902.3/73

\- sign -20.101+/-0.016 χ^2/NDF: 523422.2/37

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 19.153+/-0.453 χ^2/NDF:456.8/19

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

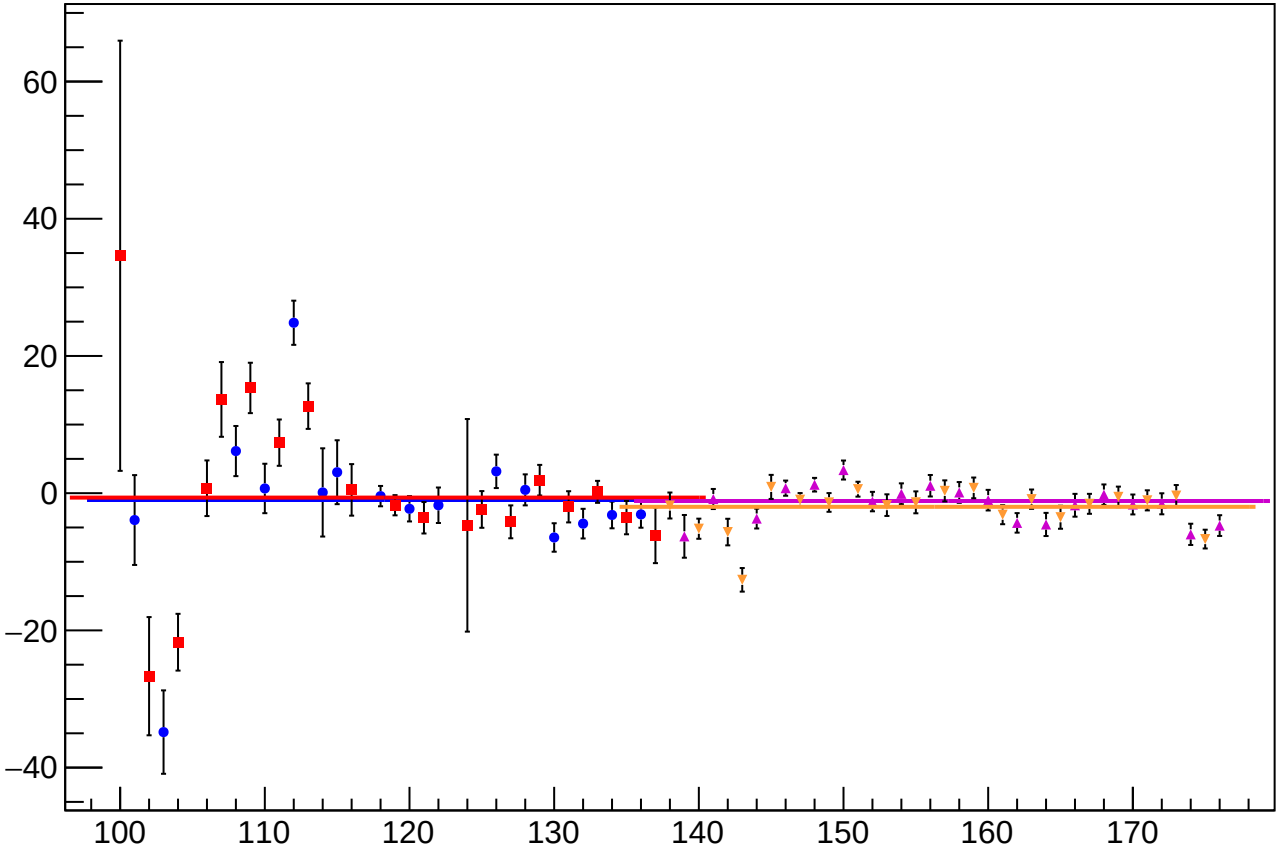
Left In: 17.086+/-0.456 χ^2/NDF:238.2/18

\+ sign 17.077+/-0.365 χ^2/NDF: 1699.1/35

All: 15.734+/-0.258 χ^2/NDF: 3900.7/73

\- sign 14.381+/-0.366 χ^2/NDF: 2174.4/37

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.989+/-0.325 χ^2/NDF:78.7/19

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

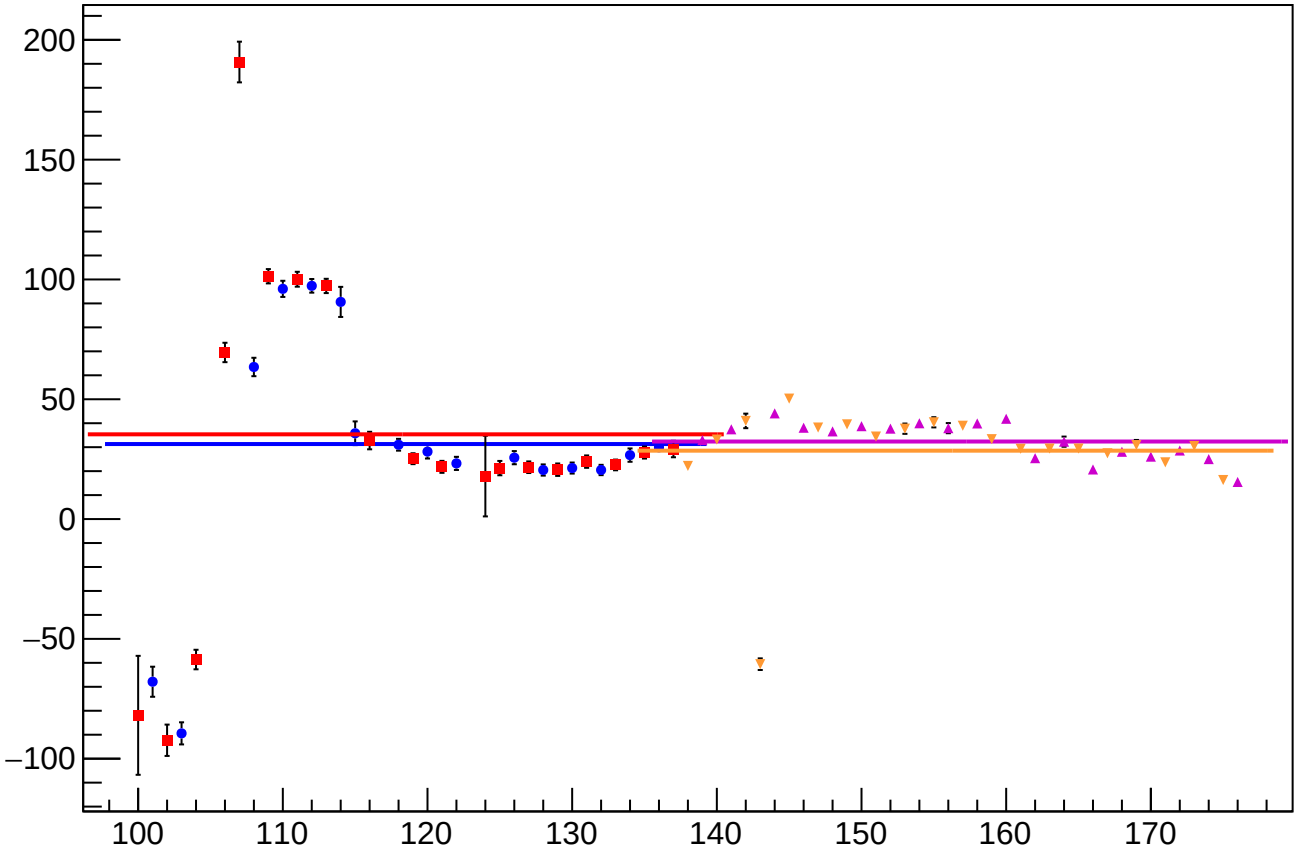
Left In: -1.142+/-0.333 χ^2/NDF:53.6/18

+ sign -1.775+/-0.287 χ^2/NDF: 197.1/35

All: -1.414+/-0.206 χ^2/NDF: 348.6/73

- sign -1.035+/-0.295 χ^2/NDF: 148.3/37

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 28.544+/-0.445 χ^2/NDF:1719.5/19

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

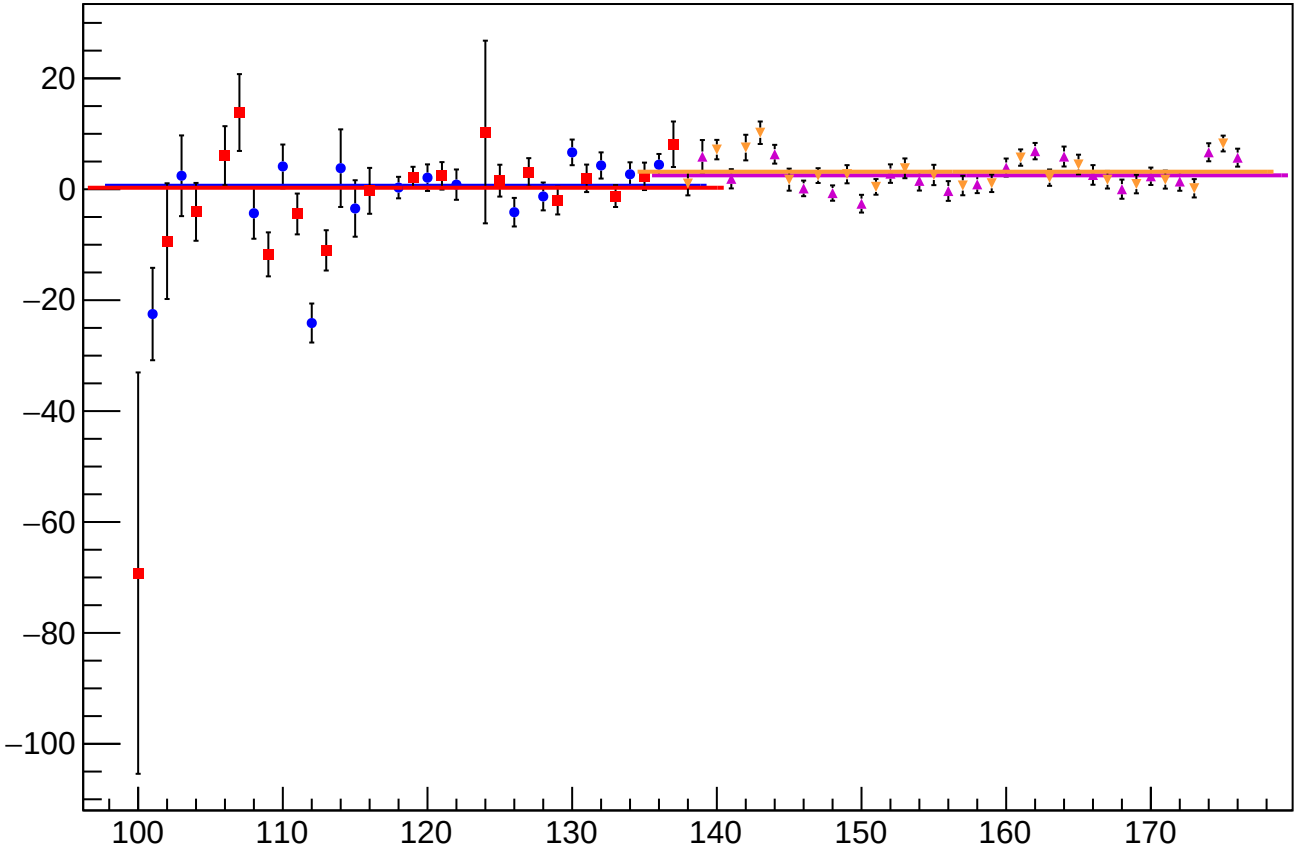
Left In: 32.363+/-0.448 χ^2/NDF:314.7/18

\+ sign 29.341+/-0.376 χ^2/NDF: 3816.5/35

All: 31.251+/-0.267 χ^2/NDF: 7093.8/73

\- sign 33.206+/-0.380 χ^2/NDF: 3225.0/37

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.169+/-0.372 χ^2/NDF:53.8/19

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

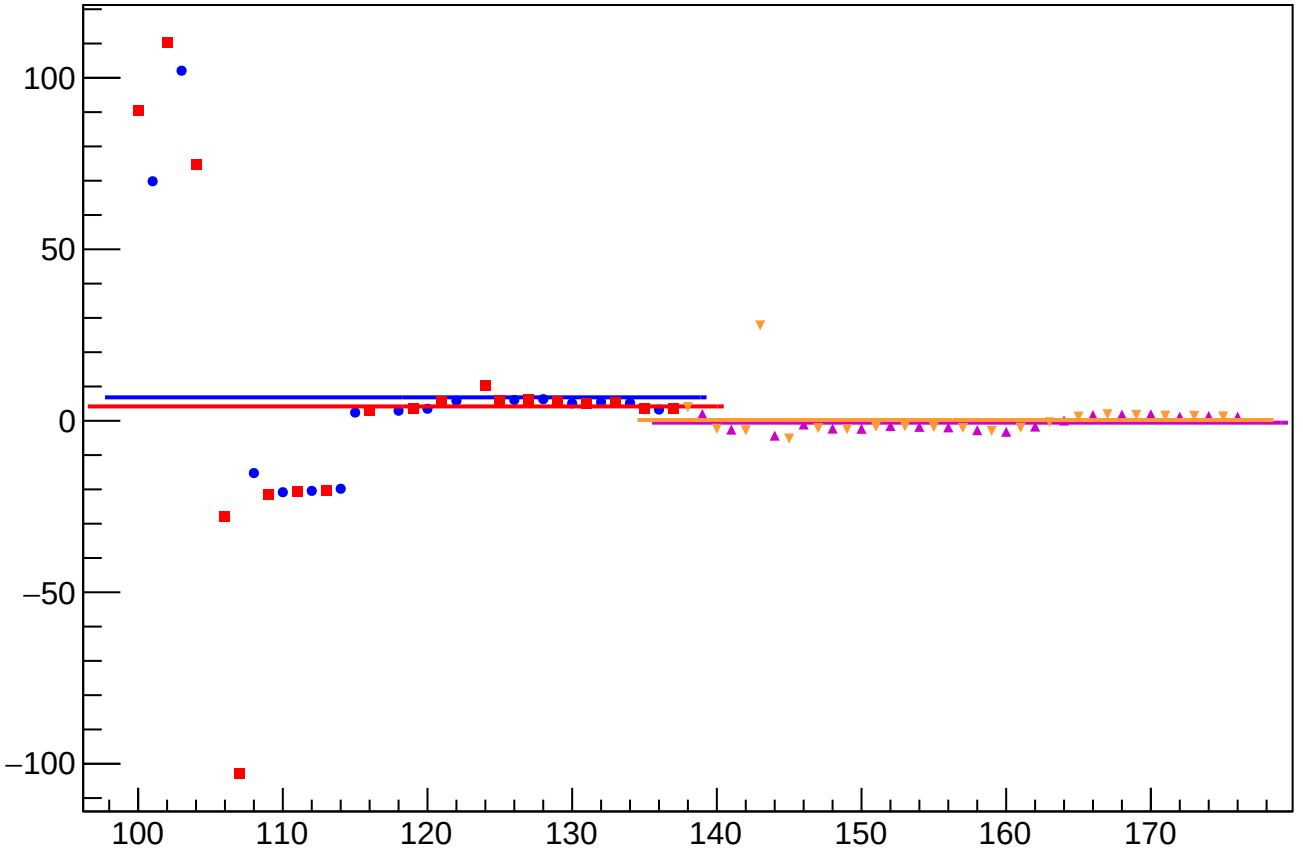
Left In: 2.513+/-0.380 χ^2/NDF:54.8/18

+ sign 2.616+/-0.329 χ^2/NDF: 142.4/35

All: 2.331+/-0.235 χ^2/NDF: 246.6/73

- sign 2.032+/-0.337 χ^2/NDF: 102.7/37

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.220+/-0.017 χ^2/NDF:93836.5/19

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

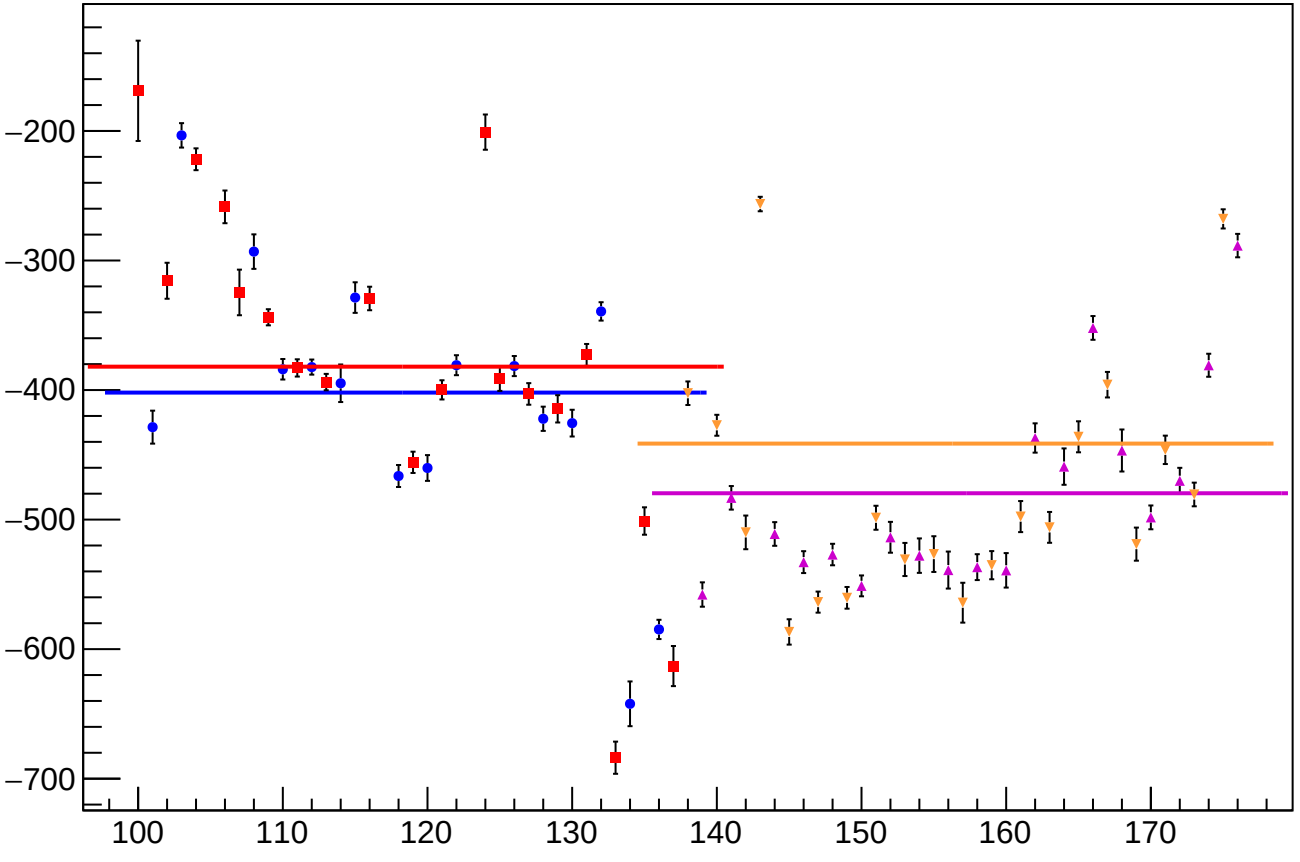
Left In: -0.542+/-0.017 χ^2/NDF:13900.5/18

+ sign 1.103+/-0.016 χ^2/NDF: 435463.1/35

All: 0.550+/-0.011 χ^2/NDF: 895664.9/73

- sign -0.002+/-0.016 χ^2/NDF: 457703.2/37

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -441.333+/-2.147 χ^2/NDF:2735.1/19

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

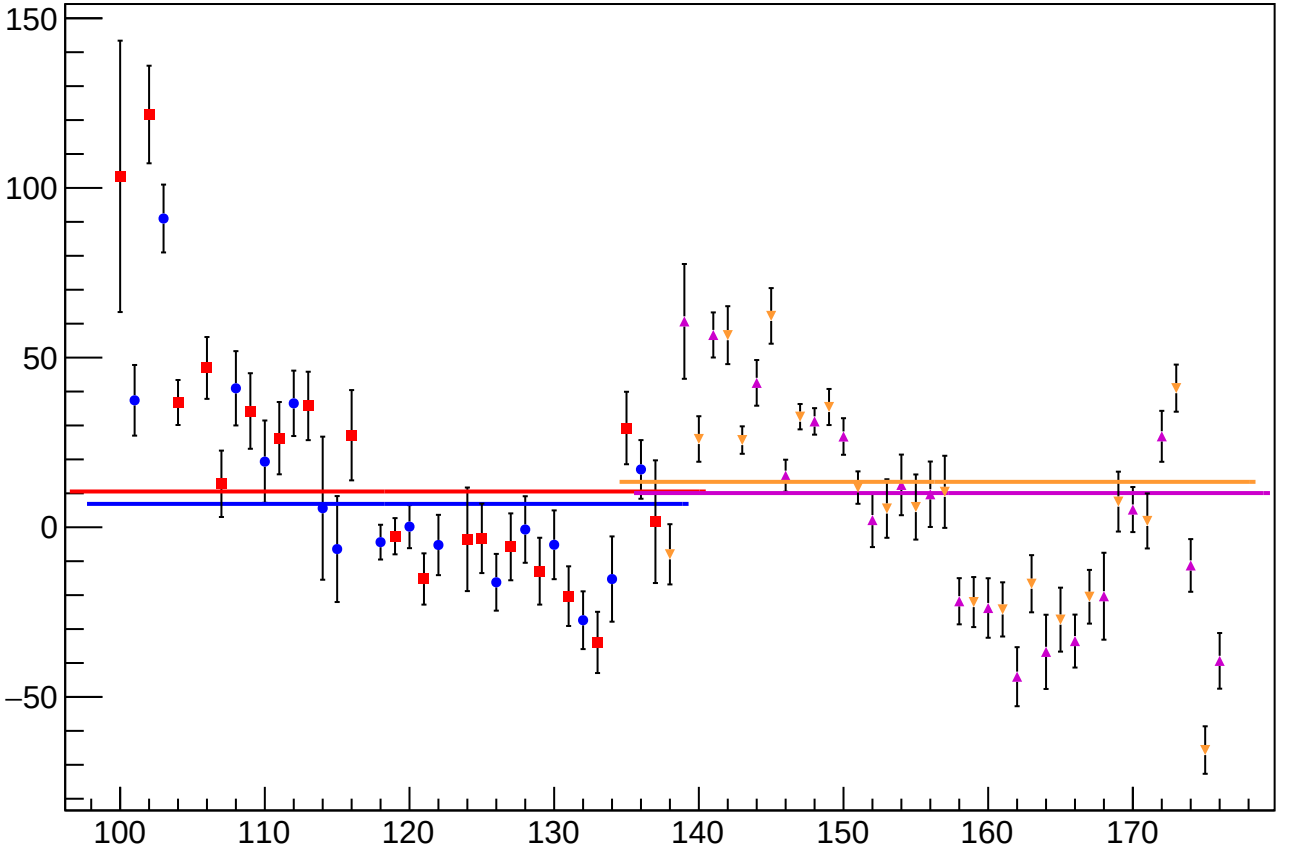
Left In: -479.664+/-2.307 χ^2/NDF:1113.1/18

+ sign -422.443+/-1.549 χ^2/NDF: 4459.7/35

All: -424.597+/-1.100 χ^2/NDF: 8365.1/73

- sign -426.791+/-1.563 χ^2/NDF: 3901.5/37

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 13.386+/-1.485 χ^2/NDF:365.7/19

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

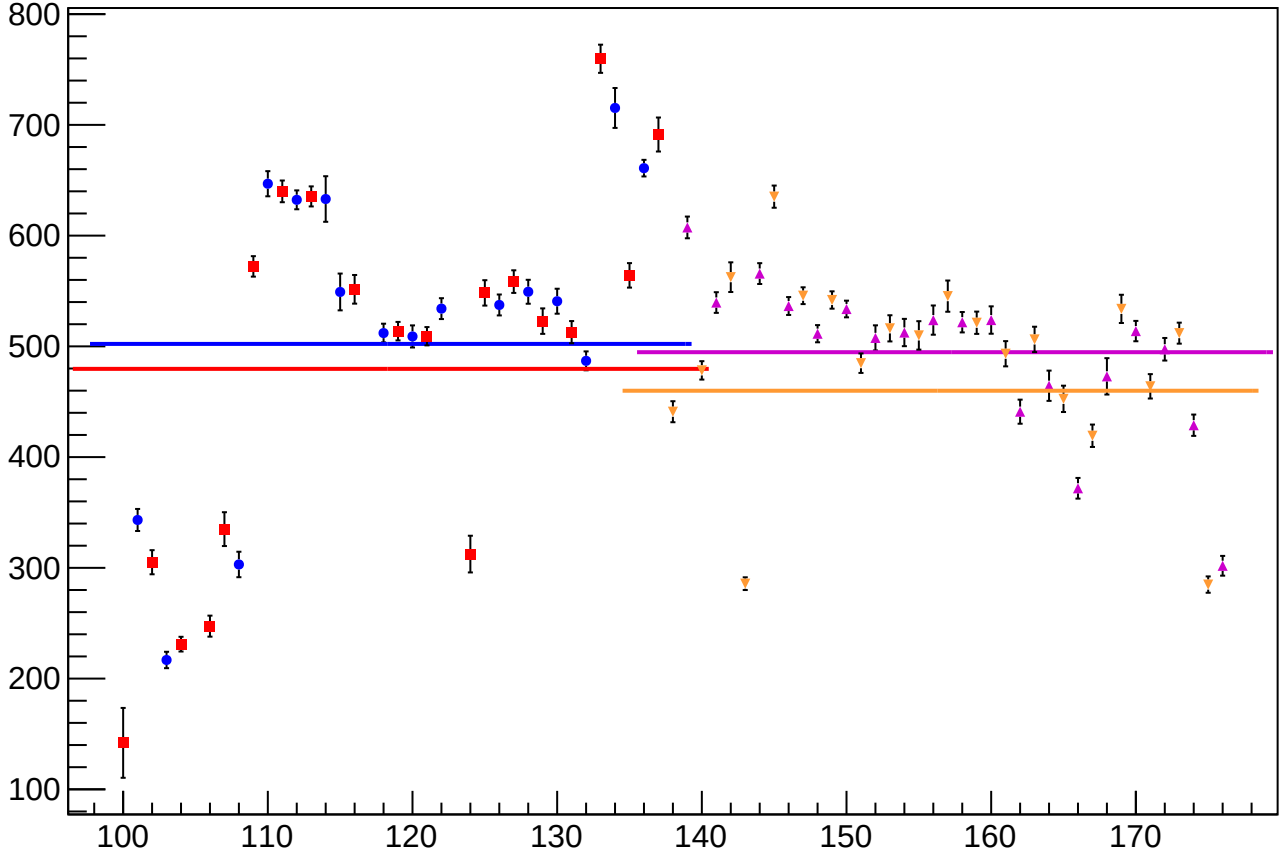
Left In: 10.079+/-1.616 χ^2/NDF:302.6/18

\+ sign 11.431+/-1.242 χ^2/NDF: 509.9/35

All: 10.865+/-0.899 χ^2/NDF: 993.0/73

\- sign 10.242+/-1.302 χ^2/NDF: 482.6/37

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 459.933+/-2.121 χ^2/NDF:2318.2/19

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

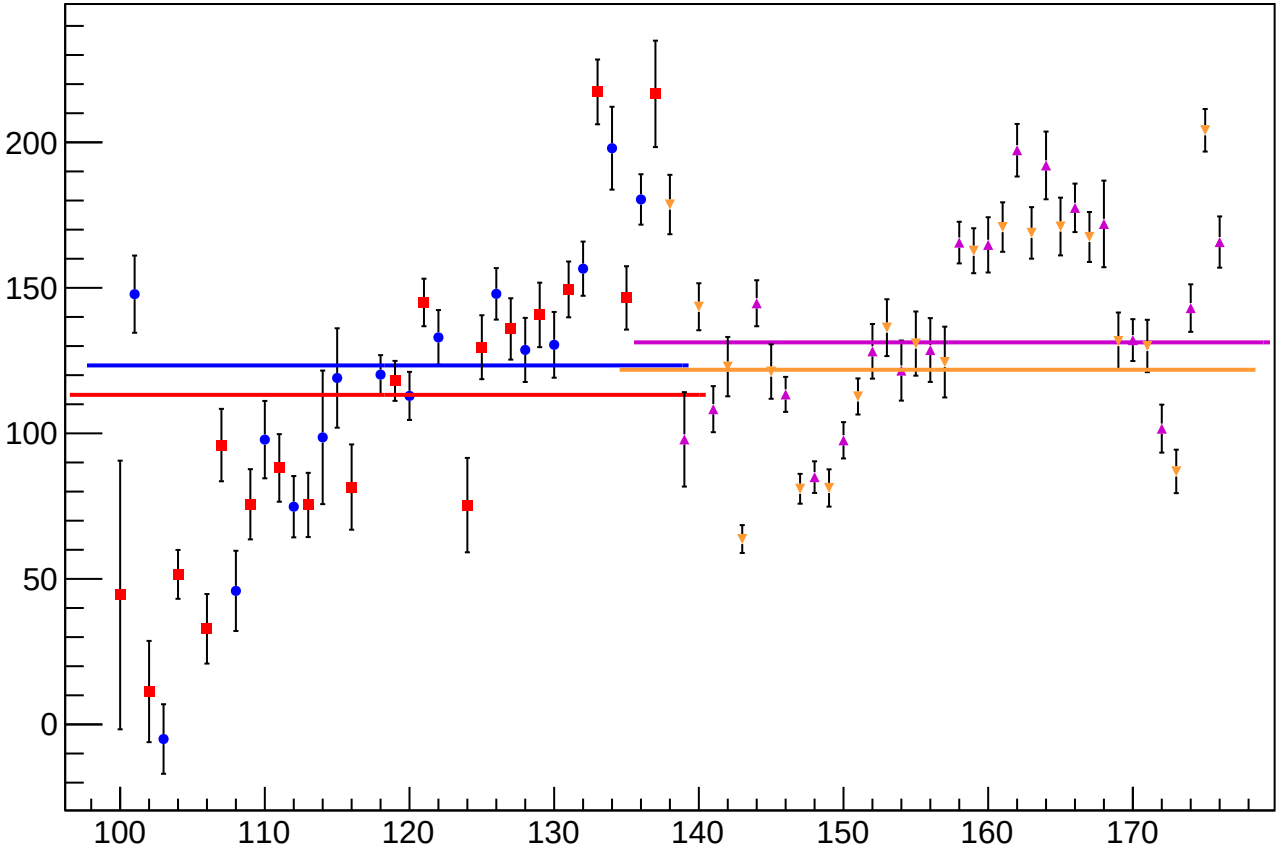
Left In: 494.733+/-2.265 χ^2/NDF:1014.8/18

+ sign 477.690+/-1.616 χ^2/NDF: 5620.2/35

All: 482.569+/-1.153 χ^2/NDF: 10813.0/73

- sign 487.640+/-1.647 χ^2/NDF: 5174.2/37

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 121.854+/-1.741 χ^2/NDF:587.4/19

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

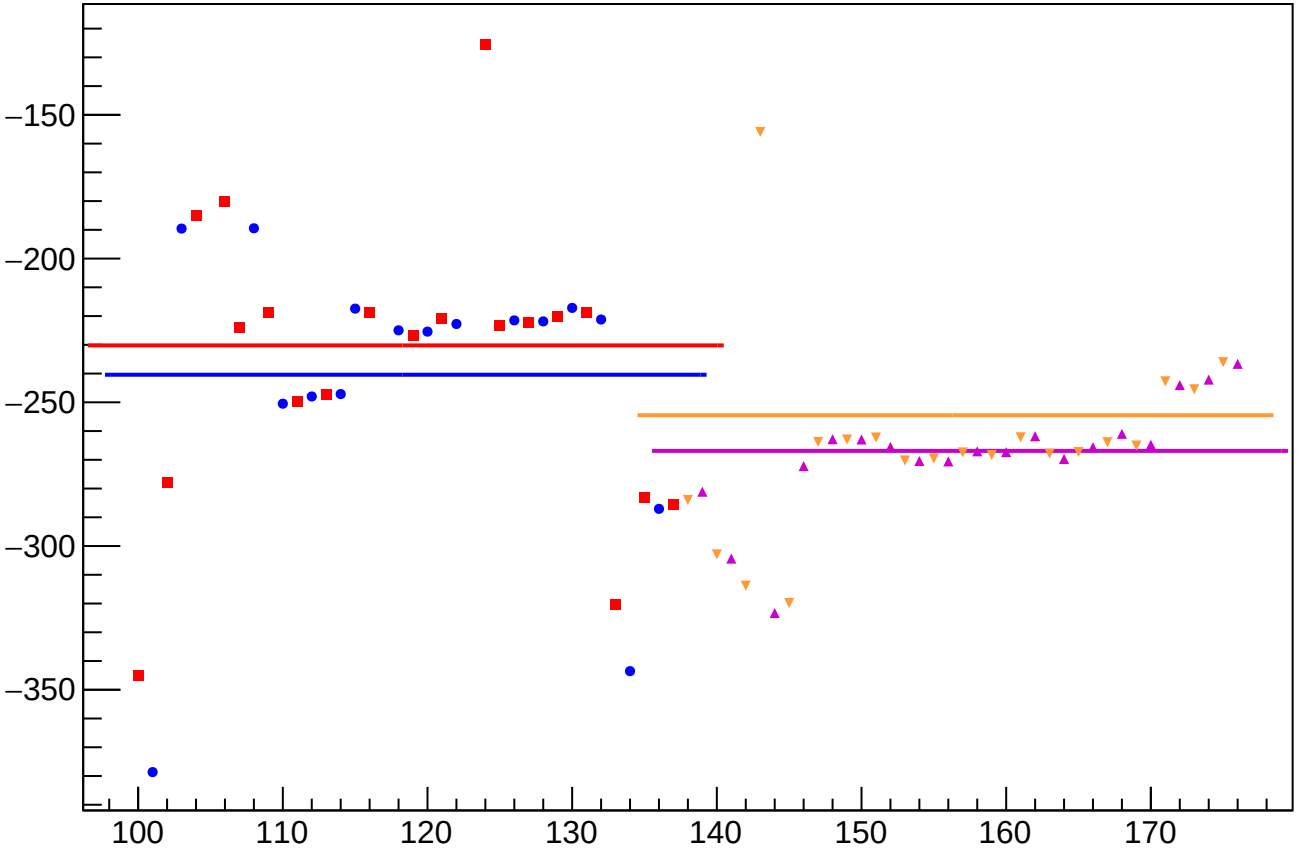
Left In: 131.265+/-1.879 χ^2/NDF:311.9/18

+ sign 122.308+/-1.451 χ^2/NDF: 859.0/35

All: 123.554+/-1.047 χ^2/NDF: 1550.7/73

- sign 124.905+/-1.512 χ^2/NDF: 690.2/37

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -254.508+/-0.083 χ^2/NDF:246310.8/19

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

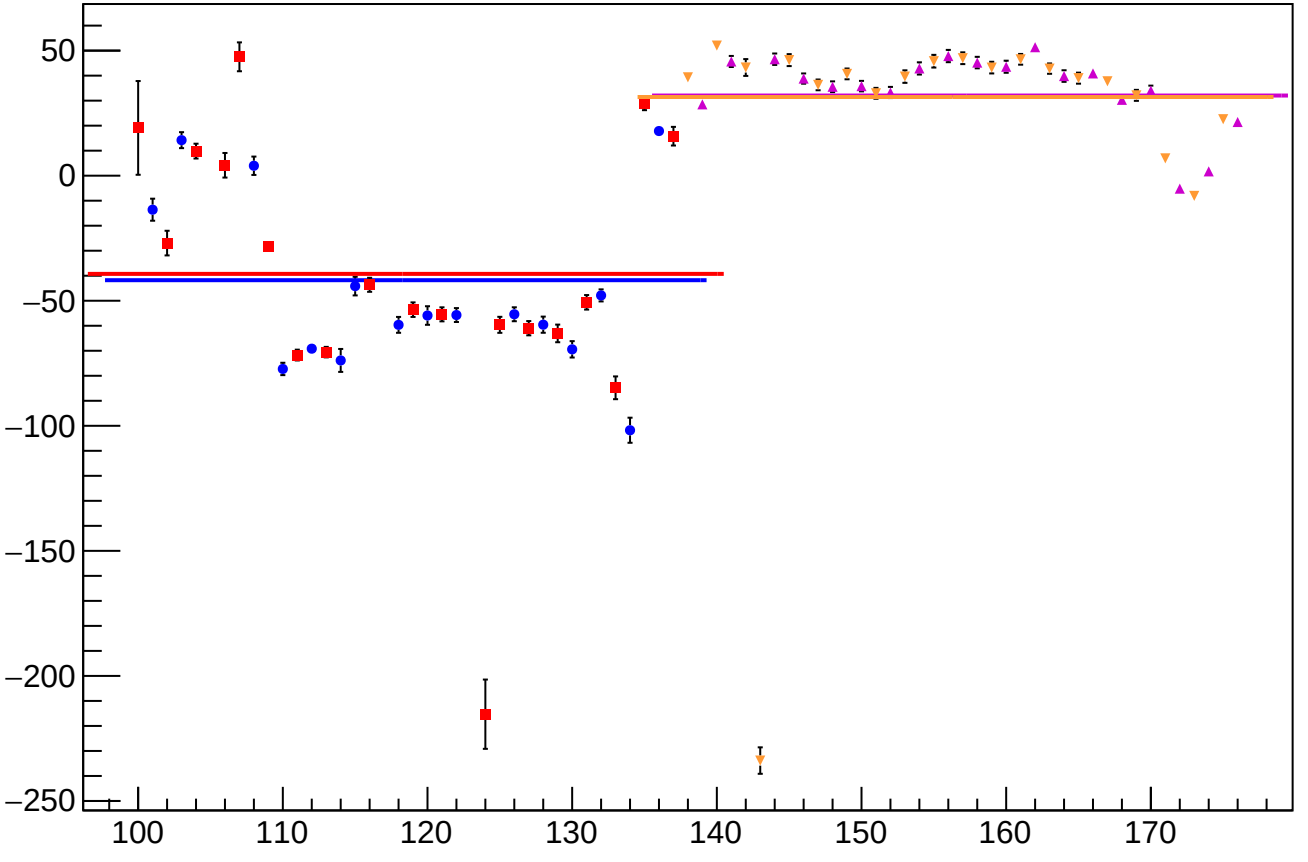
Left In: -266.903+/-0.086 χ^2/NDF:46253.0/18

+ sign -251.237+/-0.073 χ^2/NDF: 387190.4/35

All: -254.312+/-0.052 χ^2/NDF: 567244.1/73

- sign -257.518+/-0.074 χ^2/NDF: 176384.3/37

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 31.452+/-0.478 χ^2/NDF:3589.2/19

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

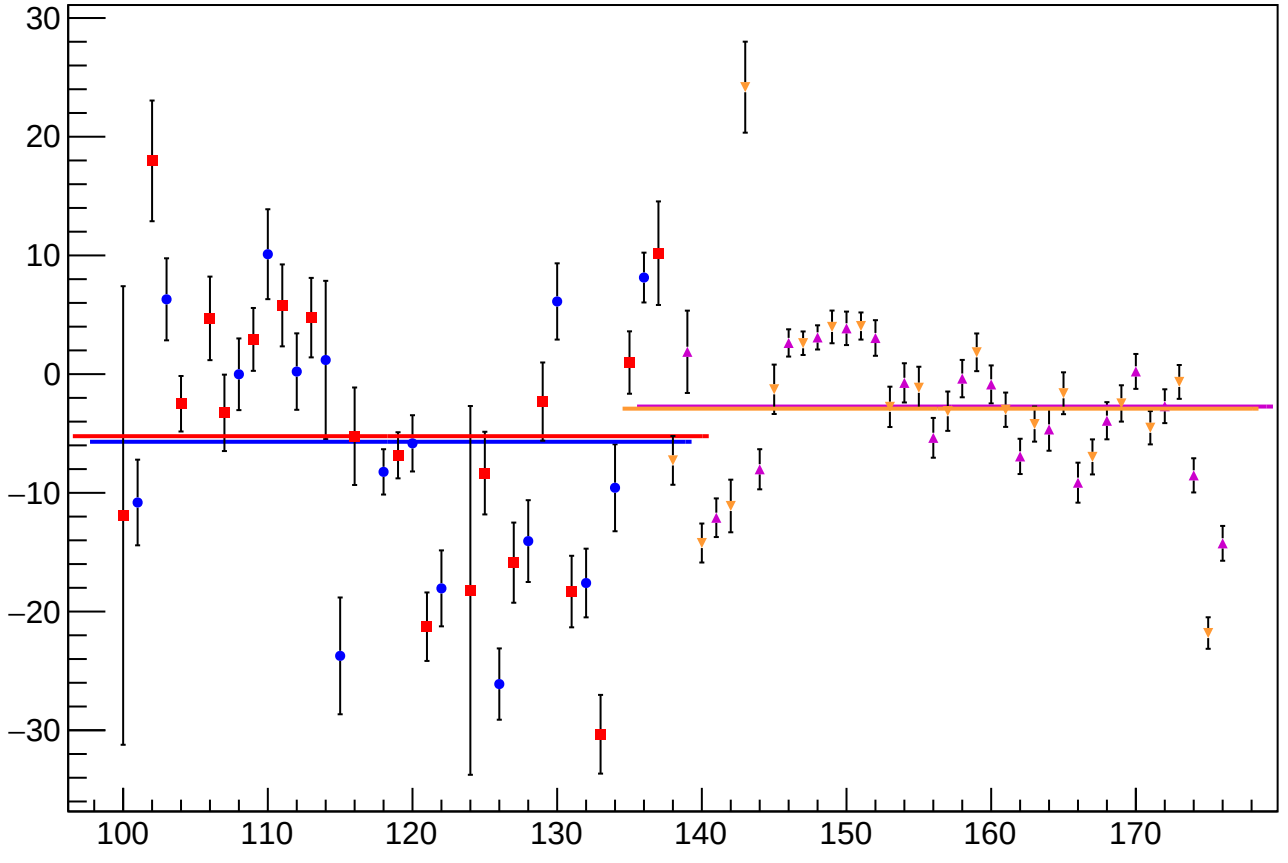
Left In: 32.044+/-0.472 χ^2/NDF:1128.3/18

+ sign 9.194+/-0.399 χ^2/NDF: 13135.2/35

All: 9.012+/-0.278 χ^2/NDF: 24168.0/73

- sign 8.839+/-0.388 χ^2/NDF: 11032.4/37

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -2.908+/-0.342 χ^2/NDF:434.6/19

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

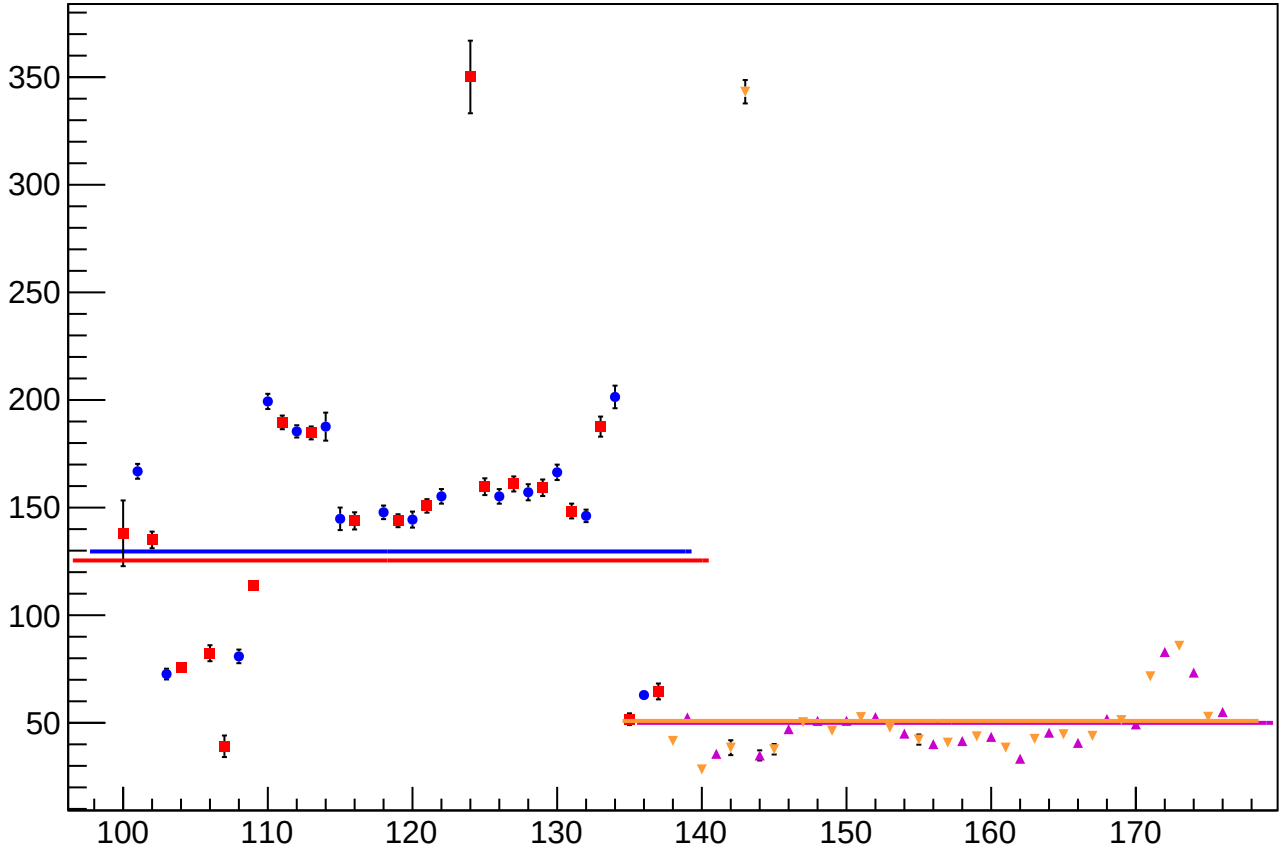
Left In: -2.730+/-0.345 χ^2/NDF:249.4/18

+ sign -3.384+/-0.311 χ^2/NDF: 642.7/35

All: -3.280+/-0.220 χ^2/NDF: 1099.0/73

- sign -3.176+/-0.312 χ^2/NDF: 456.1/37

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 50.883+/-0.469 χ^2/NDF:3653.0/19

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

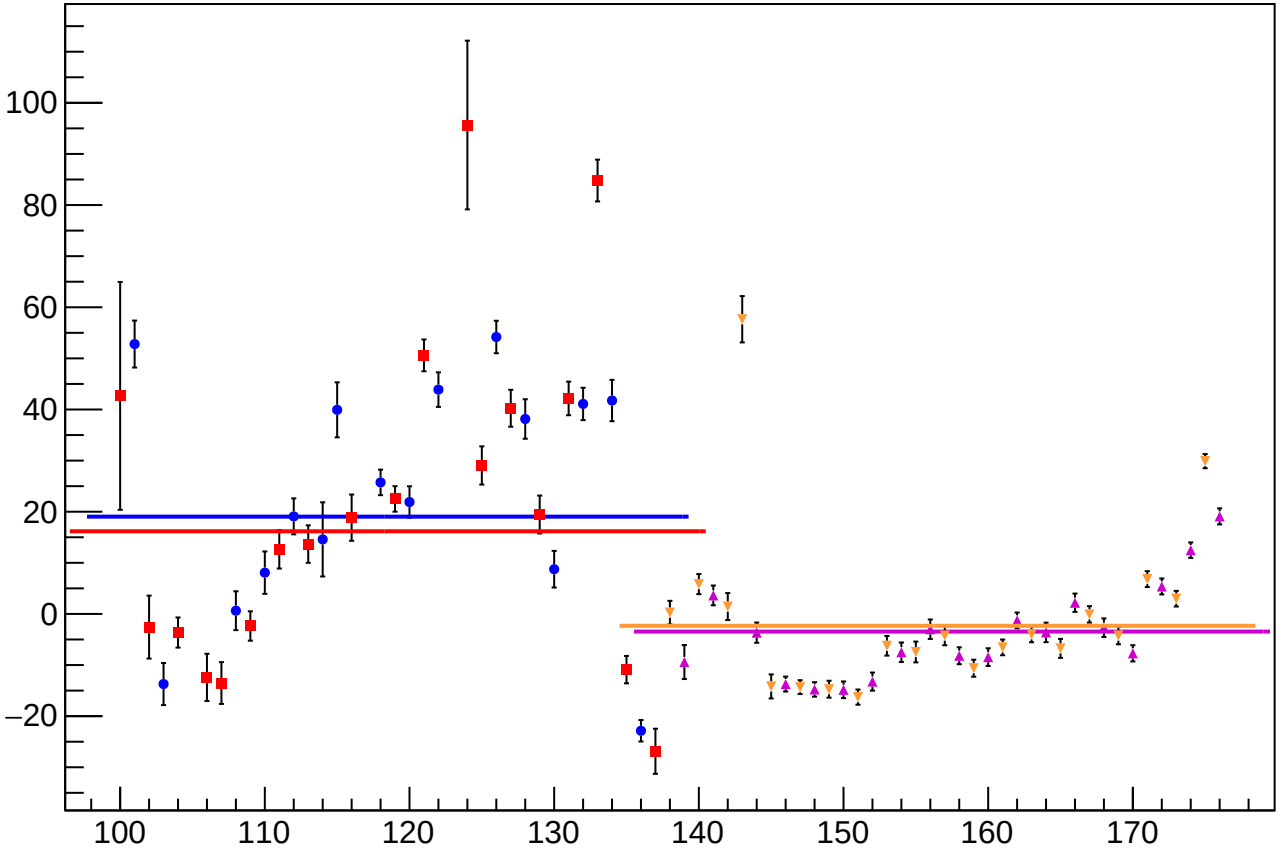
Left In: 49.985+/-0.465 χ^2/NDF:722.1/18

+ sign 71.027+/-0.405 χ^2/NDF: 14474.7/35

All: 70.206+/-0.285 χ^2/NDF: 25485.5/73

- sign 69.402+/-0.401 χ^2/NDF: 11002.6/37

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -2.320+/-0.391 χ^2/NDF:1086.1/19

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

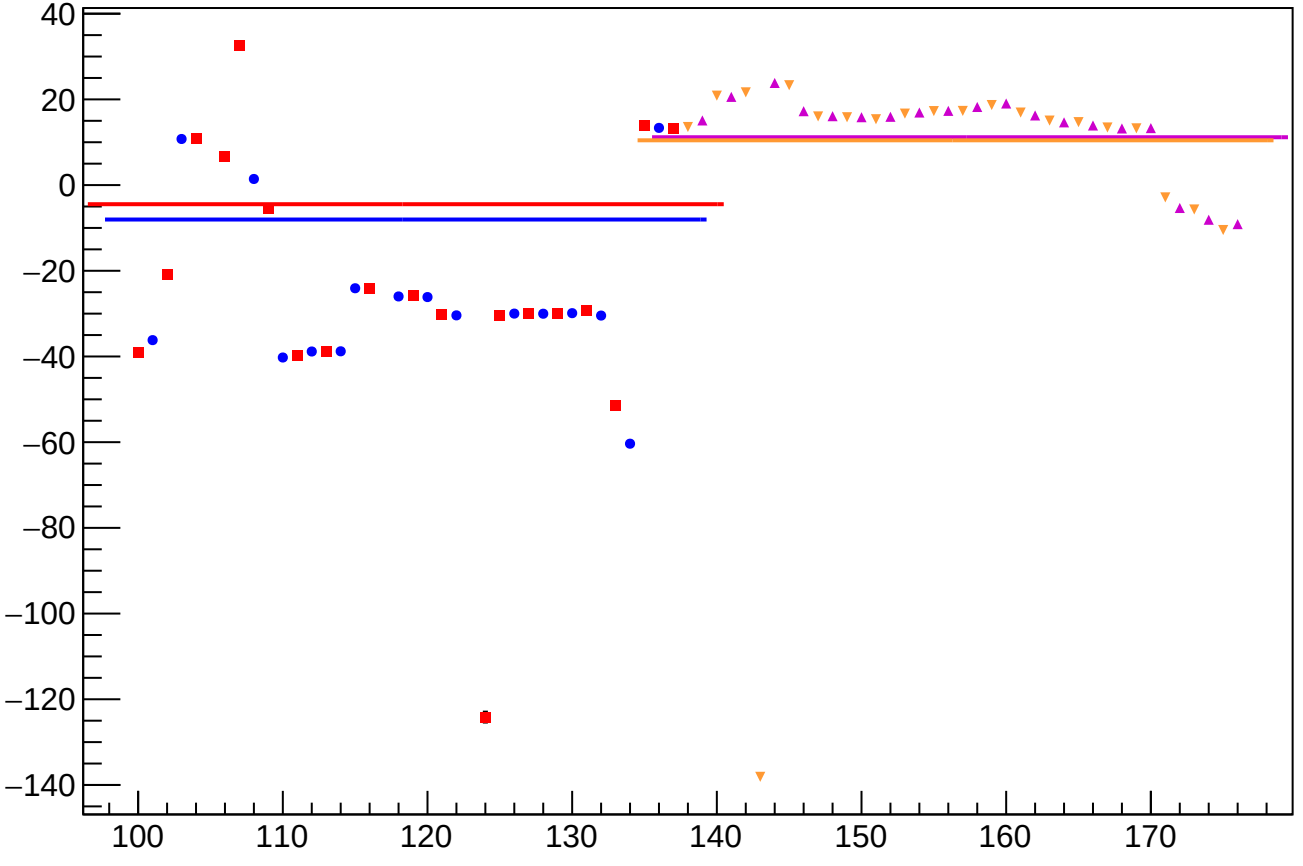
Left In: -3.454+/-0.393 χ^2/NDF:598.1/18

\+ sign 1.334+/-0.356 χ^2/NDF: 2455.4/35

All: 0.681+/-0.252 χ^2/NDF: 4444.3/73

\- sign 0.027+/-0.356 χ^2/NDF: 1982.2/37

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 10.451+/-0.018 χ^2/NDF:740557.5/19

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

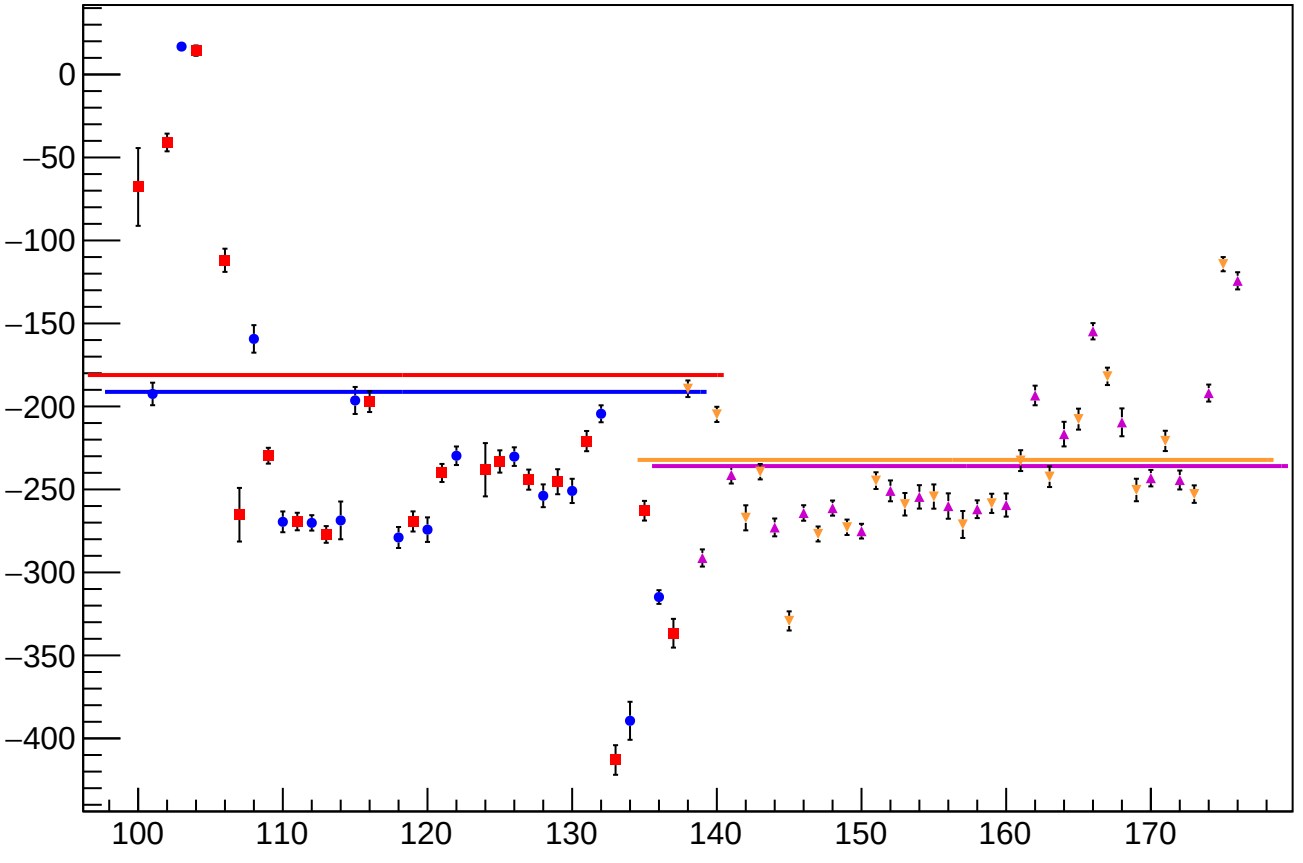
Left In: 11.166+/-0.017 χ^2/NDF:344382.1/18

+ sign 8.054+/-0.017 χ^2/NDF: 1150101.7/35

All: 8.692+/-0.012 χ^2/NDF: 1824051.3/73

- sign 9.304+/-0.016 χ^2/NDF: 671018.6/37

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -232.207+/-1.237 χ^2/NDF:1557.8/19

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

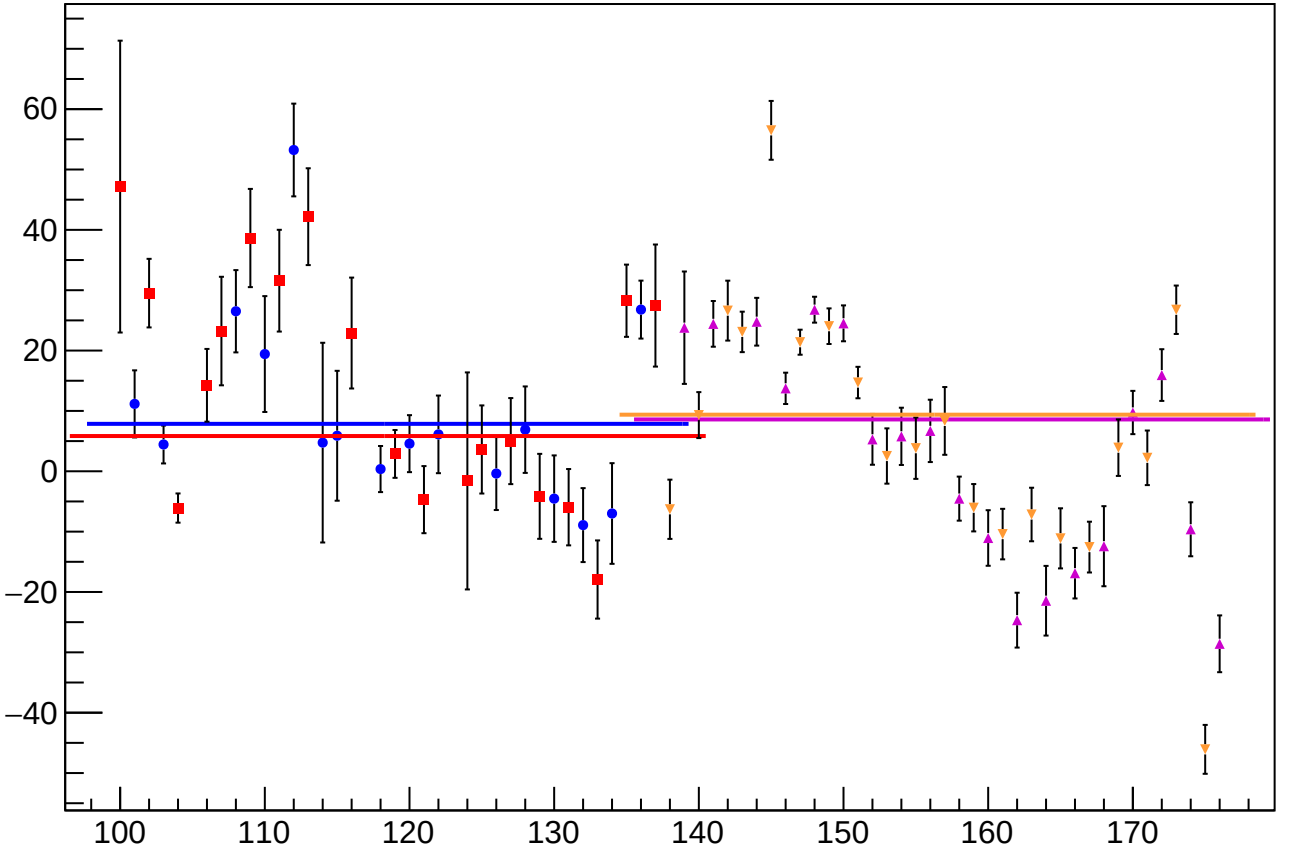
Left In: -235.934+/-1.269 χ^2/NDF:1249.8/18

+ sign -214.502+/-0.932 χ^2/NDF: 9256.6/35

All: -212.681+/-0.660 χ^2/NDF: 18742.3/73

- sign -210.849+/-0.935 χ^2/NDF: 9478.1/37

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 9.377+/-0.851 χ^2/NDF:504.1/19

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

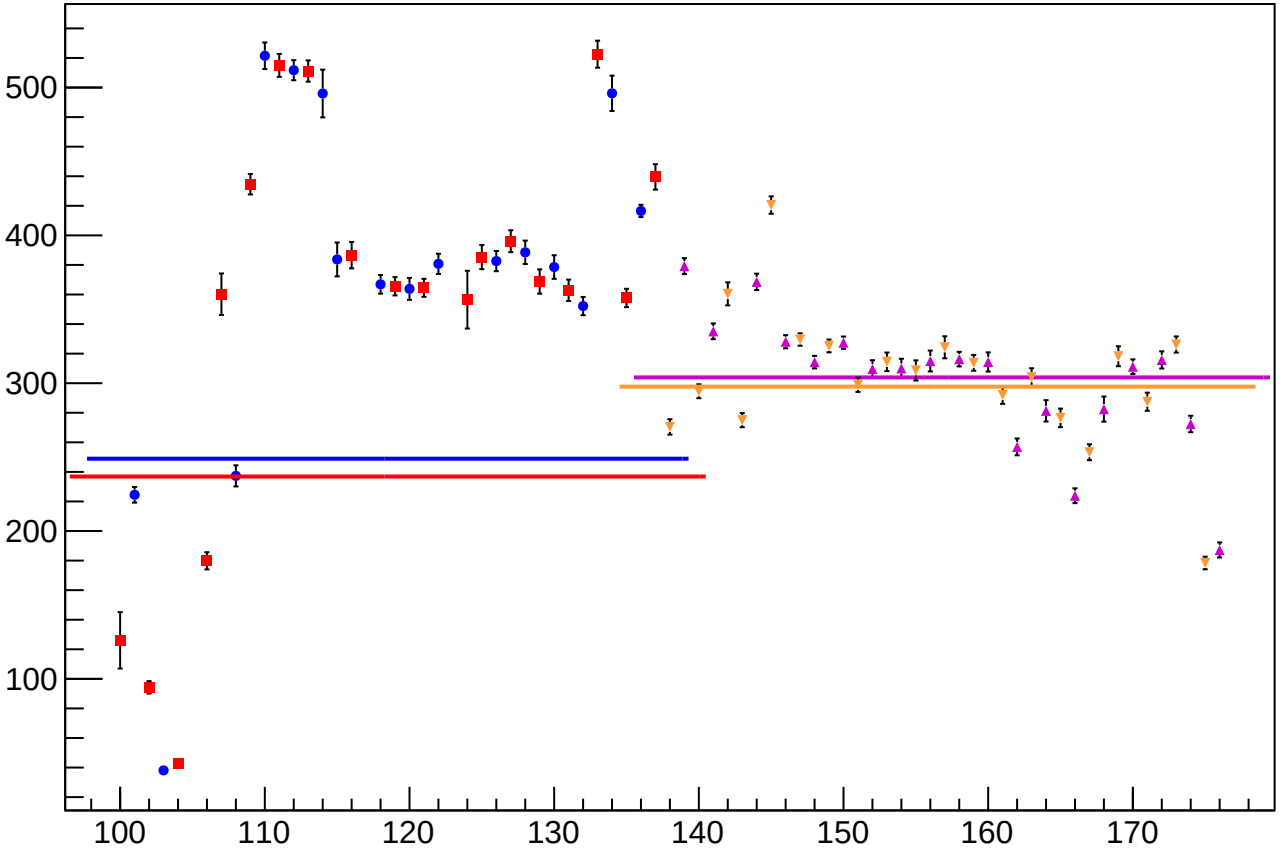
Left In: 8.587+/-0.887 χ^2/NDF:383.3/18

+ sign 8.983+/-0.732 χ^2/NDF: 585.9/35

All: 8.381+/-0.521 χ^2/NDF: 1115.3/73

- sign 7.762+/-0.742 χ^2/NDF: 528.1/37

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 297.662+/-1.216 χ^2/NDF:1581.2/19

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

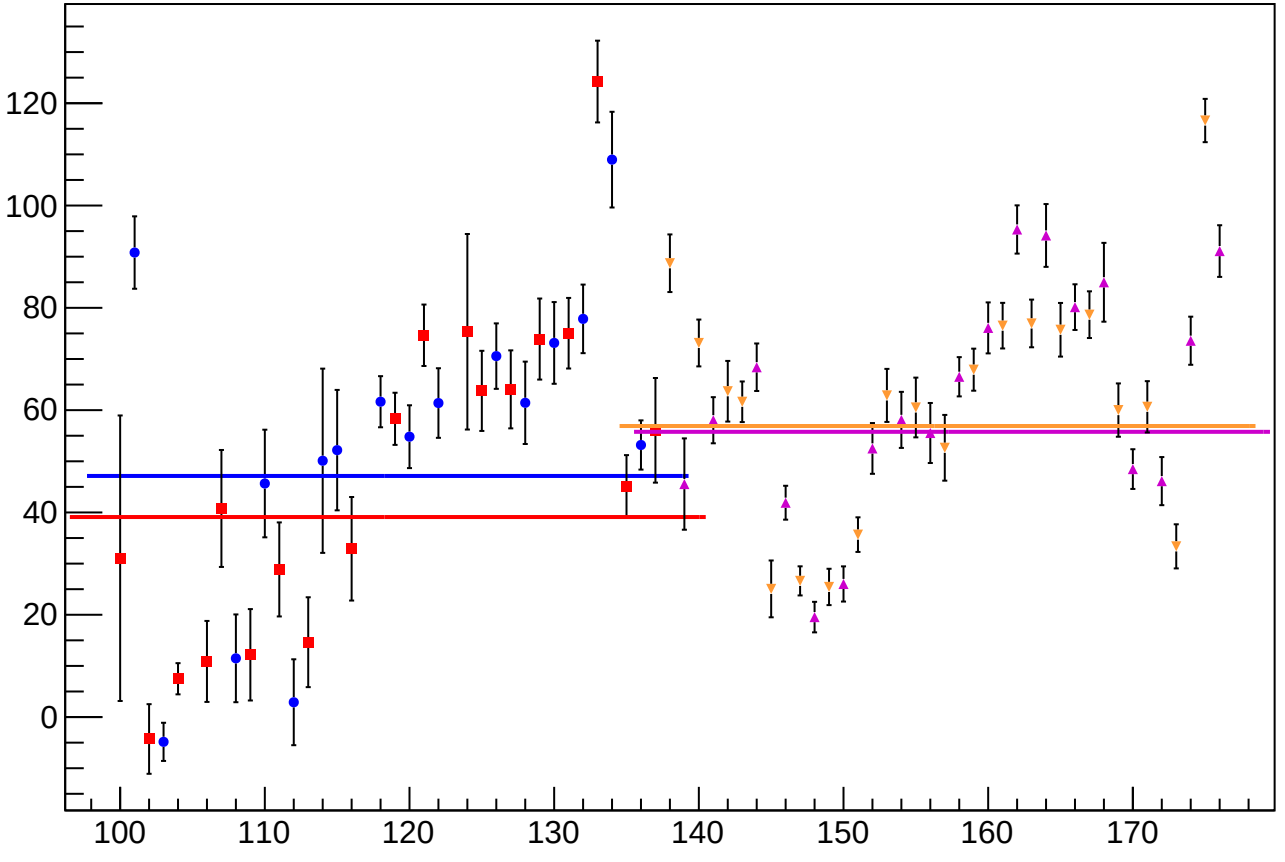
Left In: 303.909+/-1.244 χ^2/NDF:1345.4/18

+ sign 277.076+/-0.924 χ^2/NDF: 17561.9/35

All: 275.797+/-0.656 χ^2/NDF: 35843.2/73

- sign 274.496+/-0.932 χ^2/NDF: 18277.4/37

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 56.899+/-0.995 χ^2/NDF:623.8/19

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

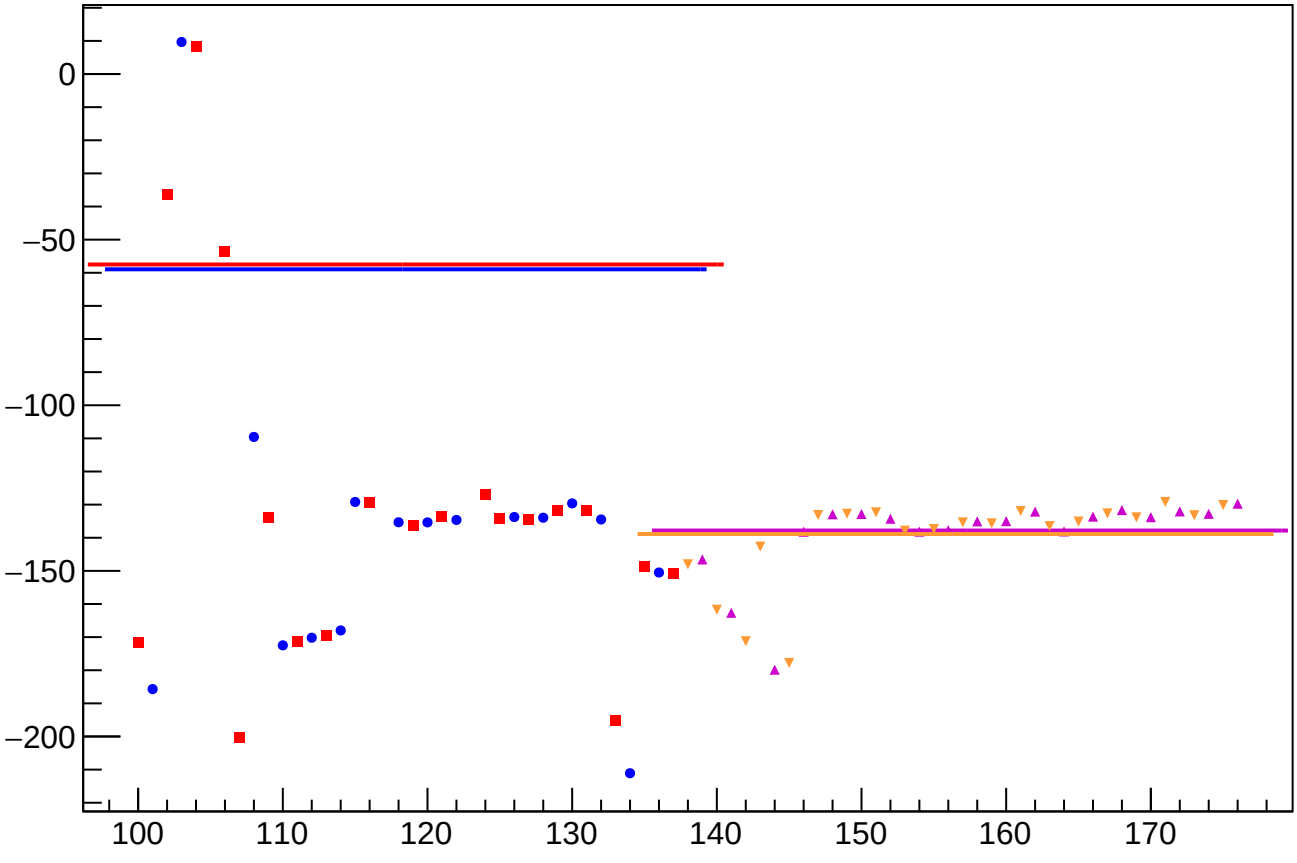
Left In: 55.762+/-1.031 χ^2/NDF:498.2/18

+ sign 54.337+/-0.854 χ^2/NDF: 1034.4/35

All: 52.622+/-0.608 χ^2/NDF: 2034.1/73

- sign 50.860+/-0.866 χ^2/NDF: 991.5/37

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -138.863+/-0.047 χ^2/NDF:63958.9/19

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

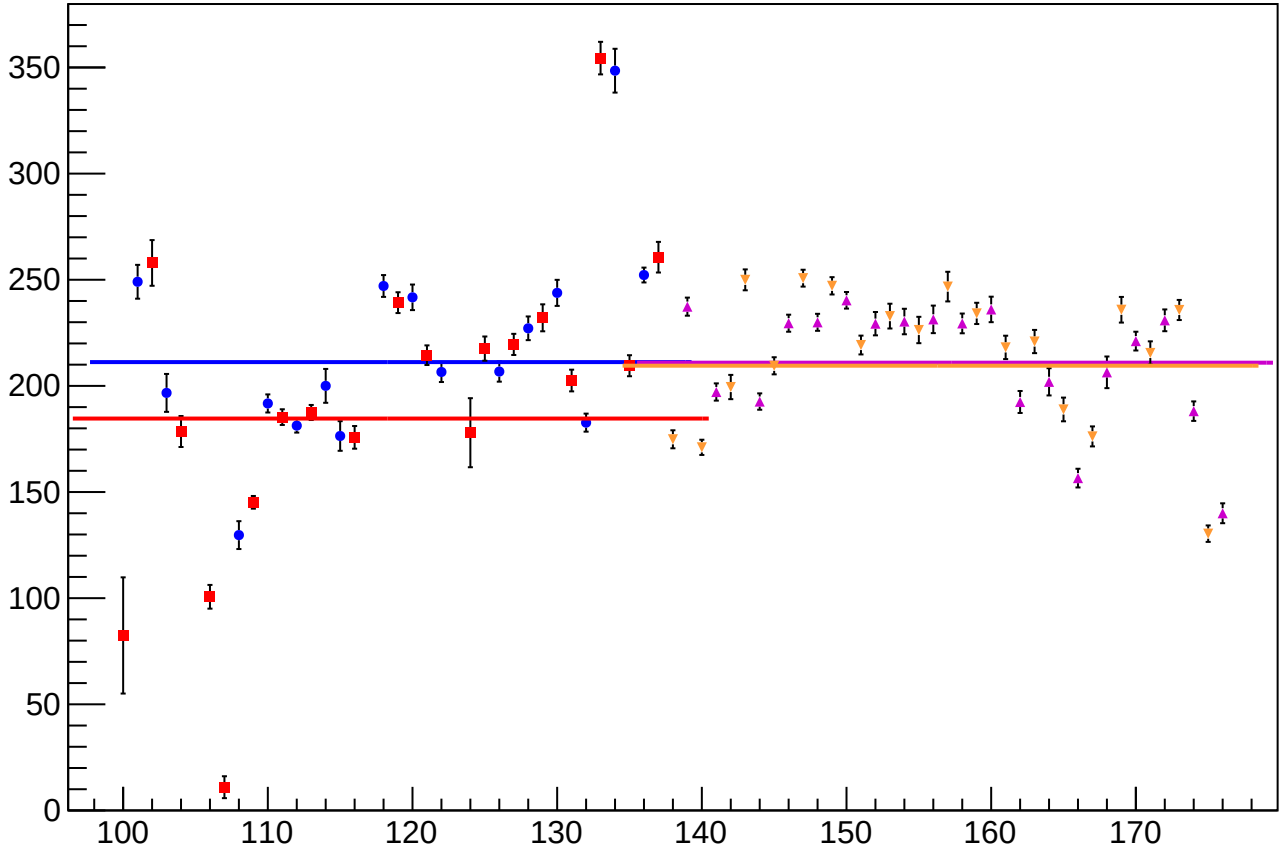
Left In: -137.823+/-0.047 χ^2/NDF:51184.1/18

+ sign -115.271+/-0.039 χ^2/NDF: 2144640.4/35

All: -115.058+/-0.028 χ^2/NDF: 3902454.9/73

- sign -114.842+/-0.040 χ^2/NDF: 1757755.7/37

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 209.514+/-1.071 χ^2/NDF:1064.3/19

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

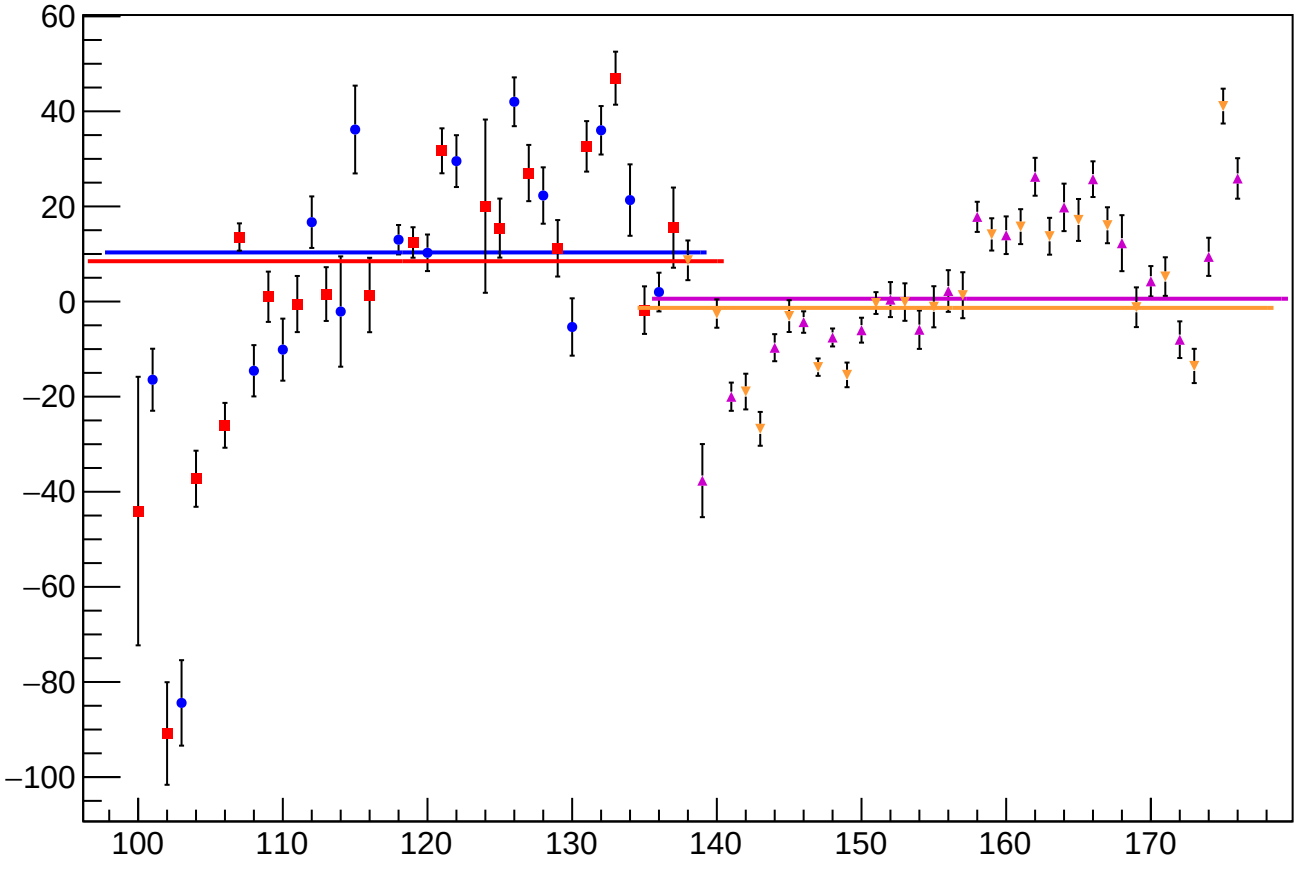
Left In: 210.931+/-1.088 χ^2/NDF:679.9/18

+ sign 210.202+/-0.825 χ^2/NDF: 1848.3/35

All: 204.451+/-0.576 χ^2/NDF: 5428.7/73

- sign 198.993+/-0.804 χ^2/NDF: 3485.8/37

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -1.334+/-0.740 χ^2/NDF:400.3/19

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

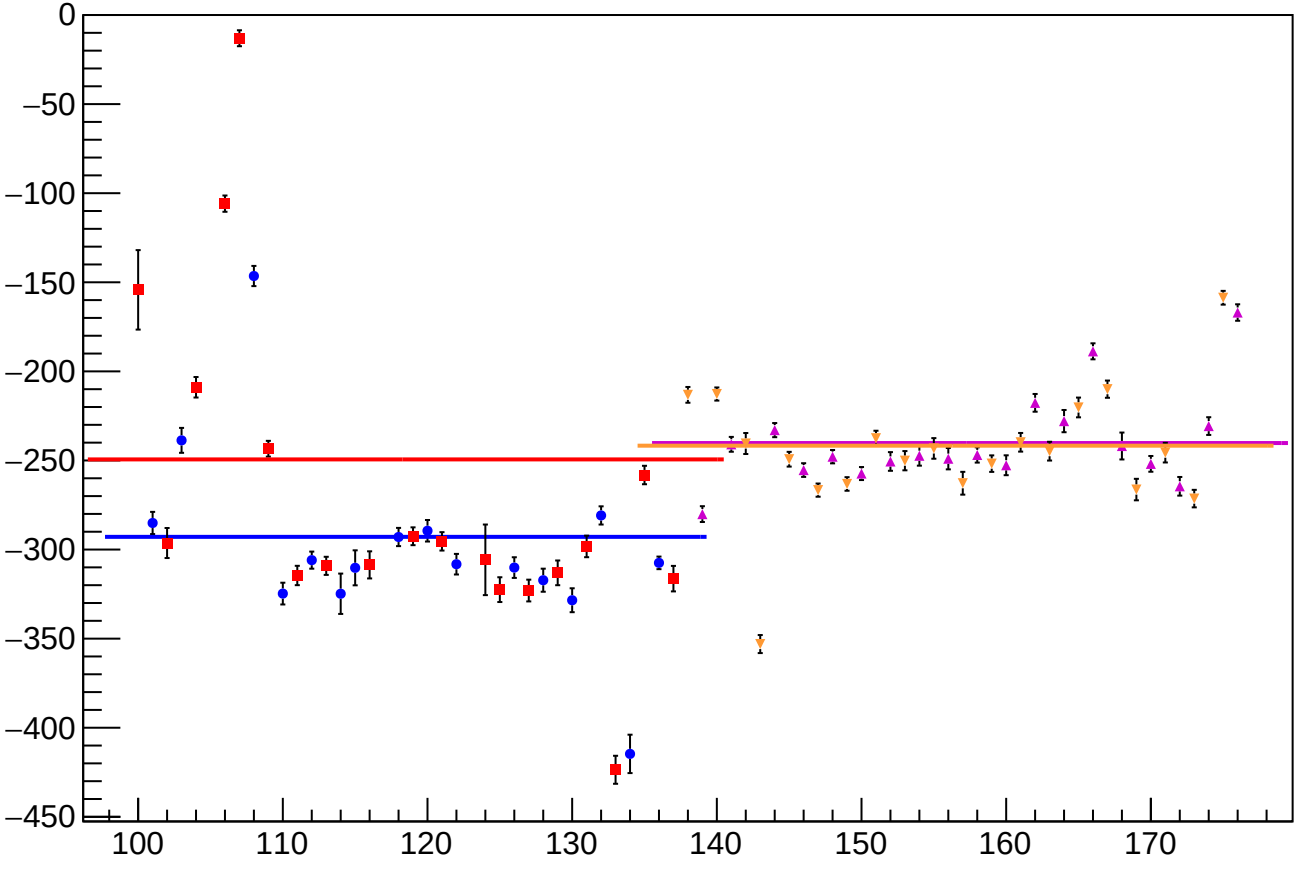
Left In: 0.589+/-0.764 χ^2/NDF:310.8/18

\+ sign 1.413+/-0.647 χ^2/NDF: 722.1/35

All: 2.105+/-0.458 χ^2/NDF: 1387.5/73

\- sign 2.800+/-0.648 χ^2/NDF: 663.0/37

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -241.704+/-1.054 χ^2/NDF:1260.7/19

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

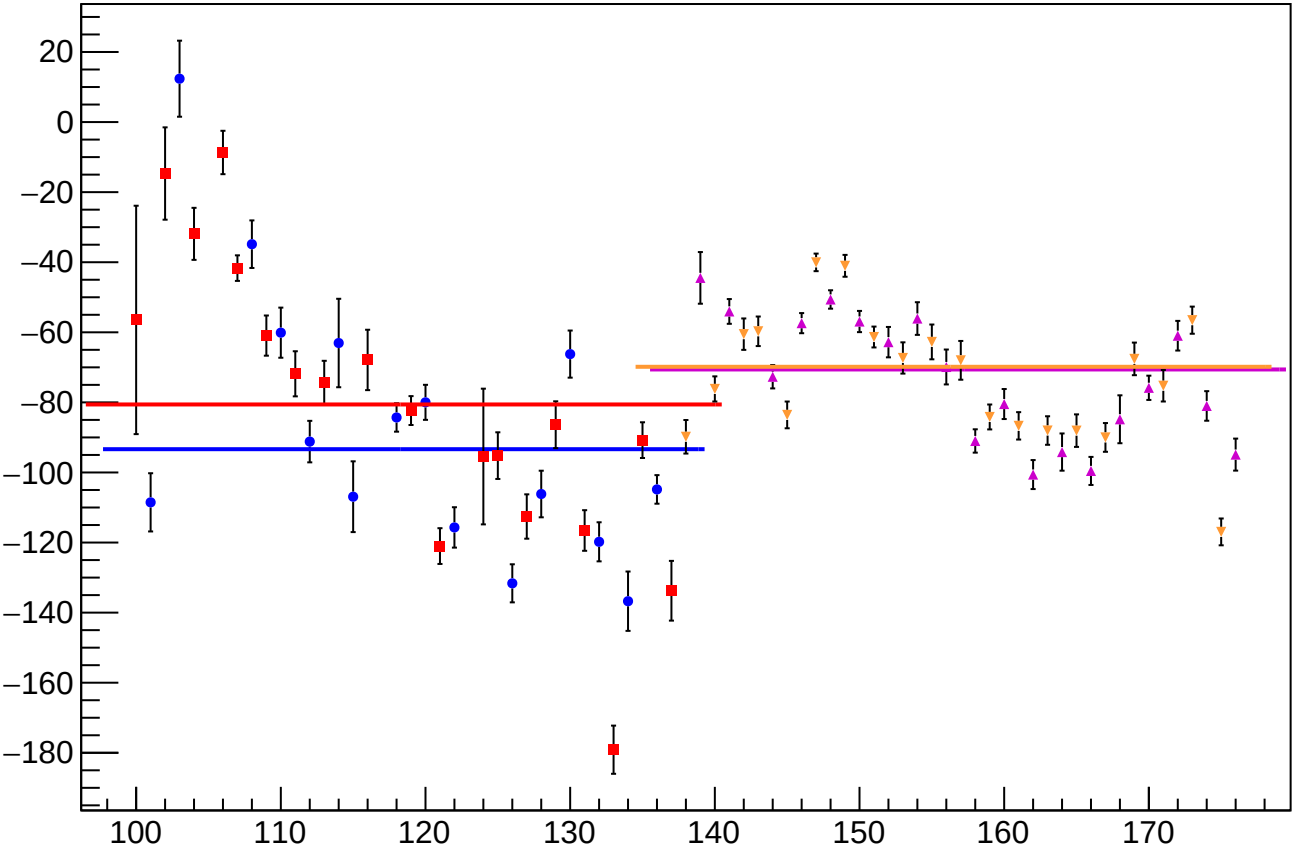
Left In: -240.224+/-1.068 χ^2/NDF:580.1/18

+ sign -259.108+/-0.856 χ^2/NDF: 3046.4/35

All: -251.276+/-0.600 χ^2/NDF: 9187.6/73

- sign -243.699+/-0.842 χ^2/NDF: 5976.5/37

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -69.840+/-0.865 χ^2/NDF:540.2/19

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

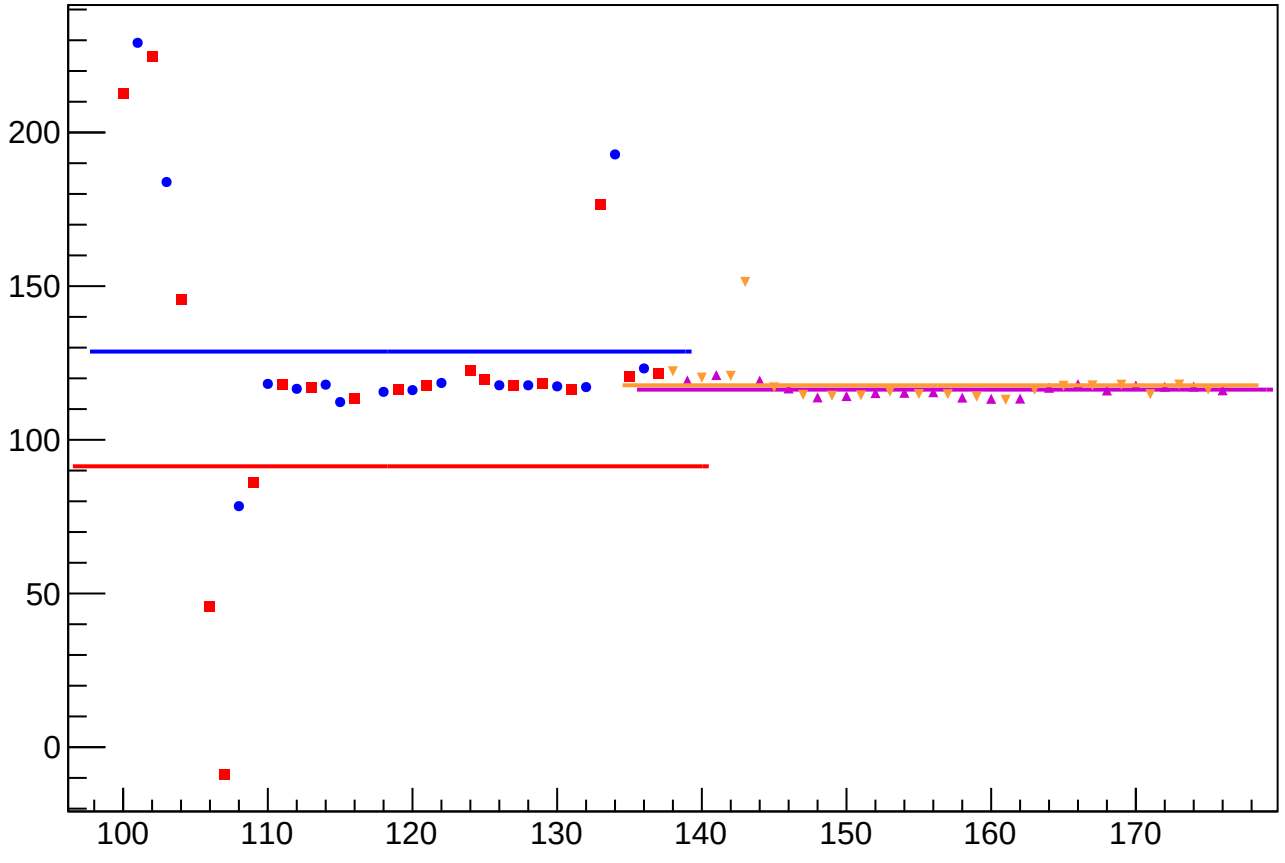
Left In: -70.604+/-0.888 χ^2/NDF:361.0/18

+ sign -75.514+/-0.754 χ^2/NDF: 1073.8/35

All: -74.456+/-0.533 χ^2/NDF: 2189.5/73

- sign -73.400+/-0.753 χ^2/NDF: 1111.8/37

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.745+/-0.041 χ^2/NDF:29745.4/19

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

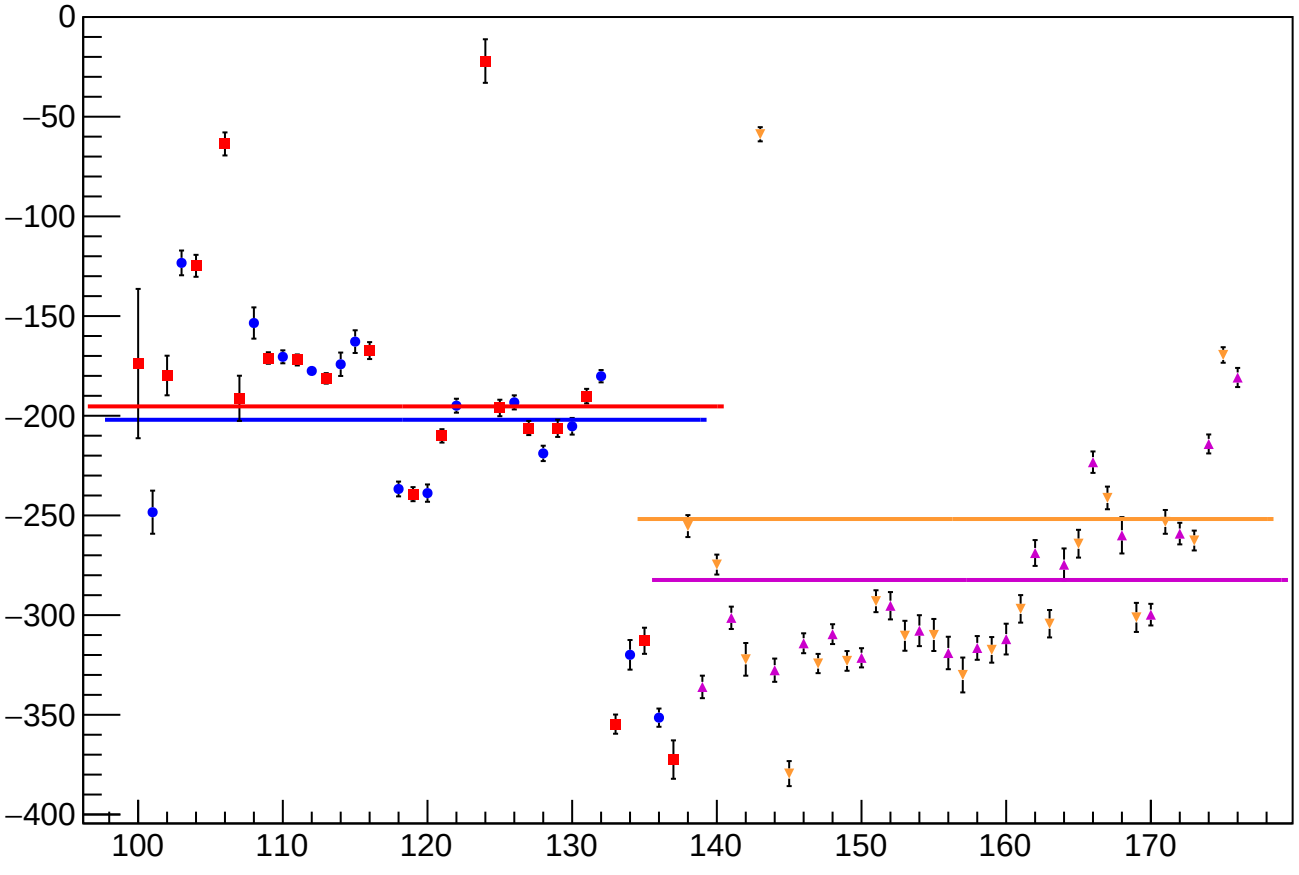
Left In: 116.335+/-0.040 χ^2/NDF:2990.0/18

\+ sign 119.641+/-0.037 χ^2/NDF: 225795.7/35

All: 115.278+/-0.026 χ^2/NDF: 939577.6/73

\- sign 111.150+/-0.036 χ^2/NDF: 686798.3/37

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -251.799+/-1.264 χ^2/NDF:4839.5/19

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

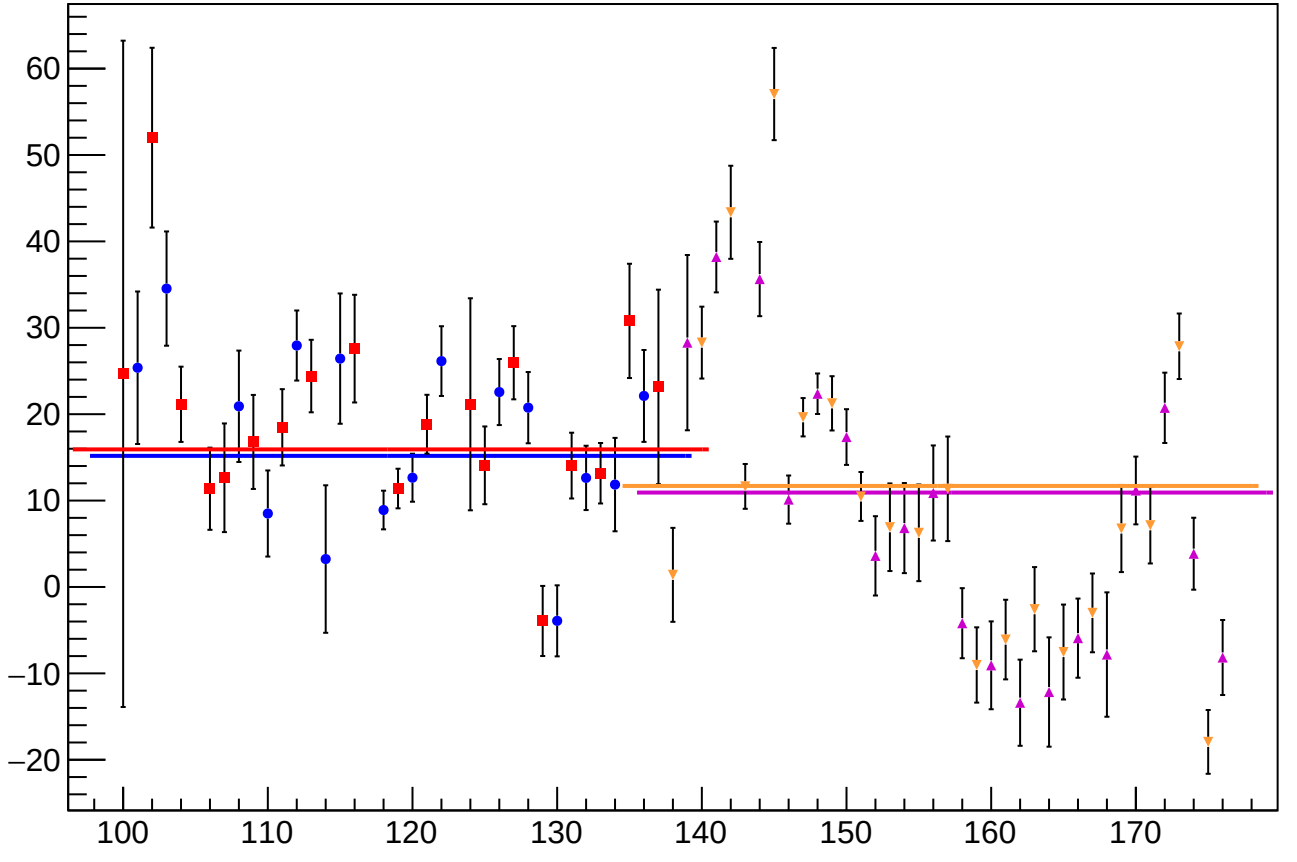
Left In: -282.376+/-1.342 χ^2/NDF:1194.3/18

+ sign -221.750+/-0.796 χ^2/NDF: 7816.4/35

All: -223.573+/-0.560 χ^2/NDF: 14879.2/73

- sign -225.362+/-0.788 χ^2/NDF: 7052.4/37

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 11.695+/-0.879 χ^2/NDF:303.7/19

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

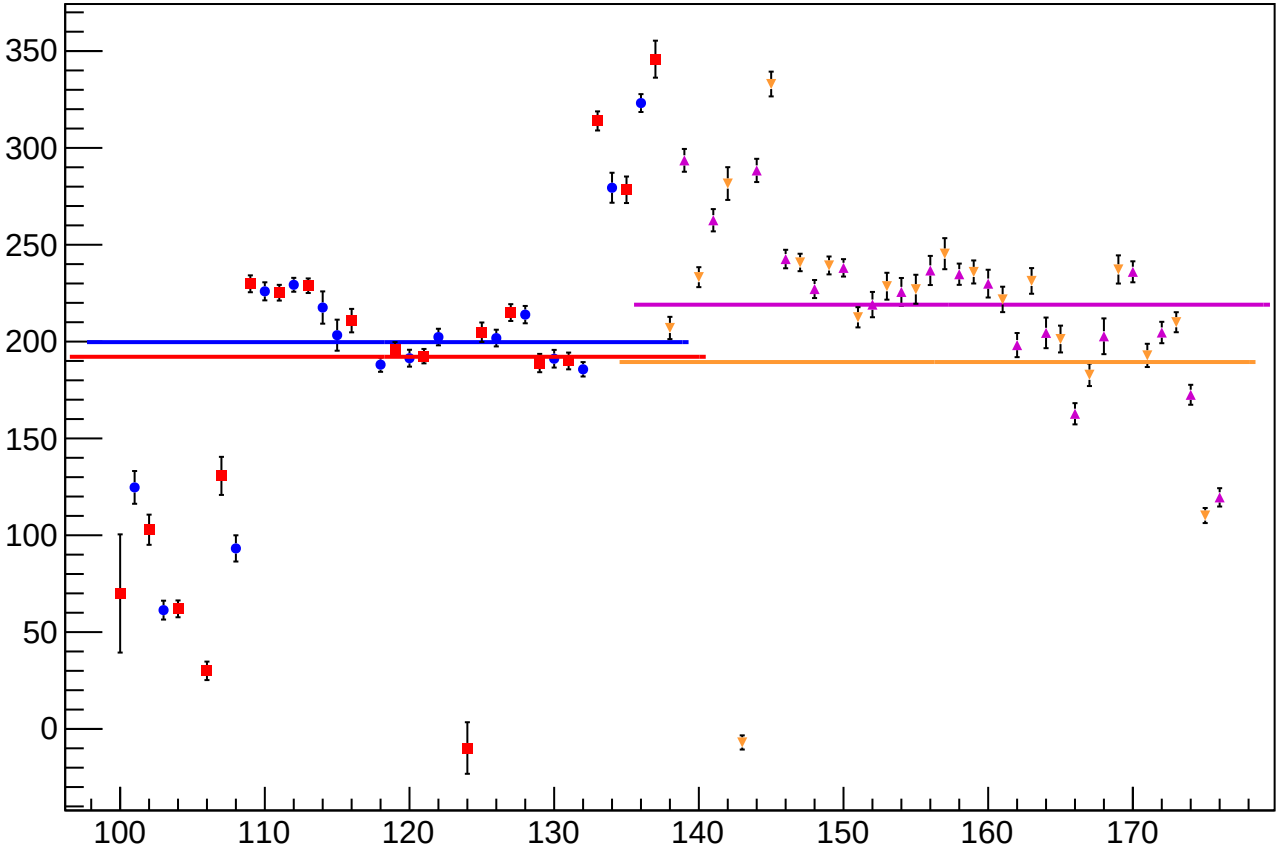
Left In: 10.928+/-0.947 χ^2/NDF:226.1/18

+ sign 13.133+/-0.674 χ^2/NDF: 382.5/35

All: 13.166+/-0.485 χ^2/NDF: 684.9/73

- sign 13.201+/-0.699 χ^2/NDF: 302.4/37

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 189.448+/-1.247 χ^2/NDF:4560.0/19

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

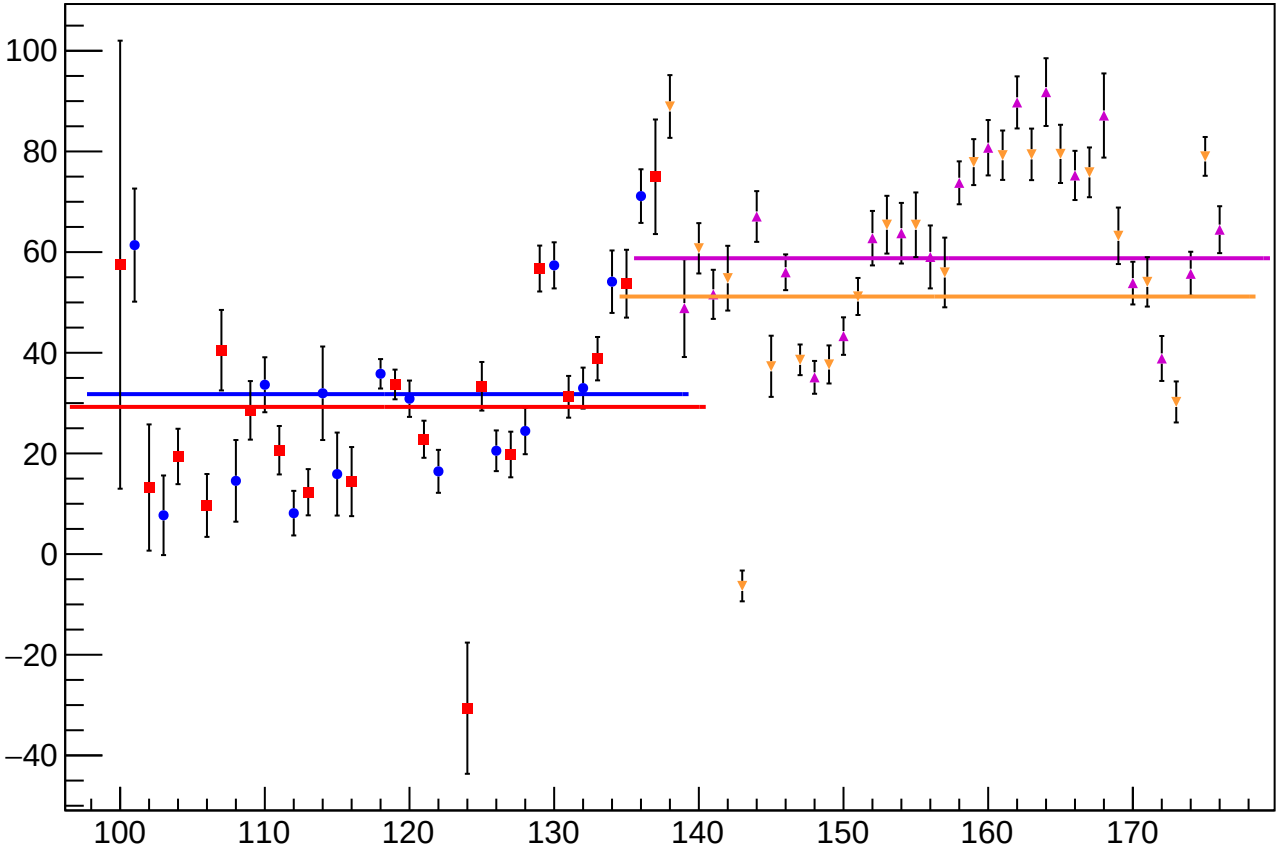
Left In: 219.047+/-1.319 χ^2/NDF:1075.4/18

+ sign 194.801+/-0.863 χ^2/NDF: 6697.0/35

All: 199.270+/-0.612 χ^2/NDF: 11839.5/73

- sign 203.778+/-0.867 χ^2/NDF: 5088.6/37

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 51.173+/-1.026 χ^2/NDF:670.6/19

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

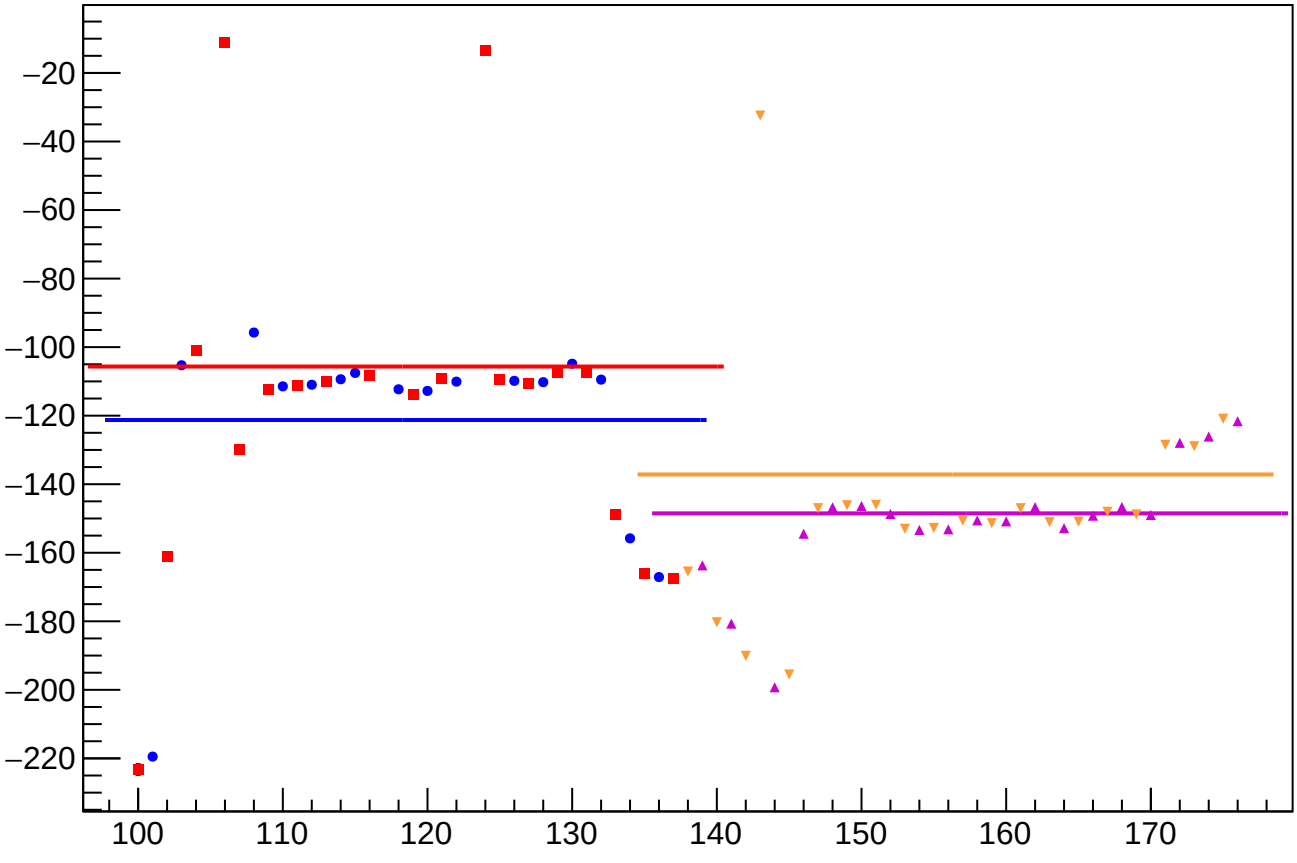
Left In: 58.783+/-1.096 χ^2/NDF:211.7/18

+ sign 43.115+/-0.784 χ^2/NDF: 996.1/35

All: 44.175+/-0.563 χ^2/NDF: 1683.7/73

- sign 45.301+/-0.808 χ^2/NDF: 683.9/37

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -137.153+/-0.049 χ^2/NDF:648392.4/19

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

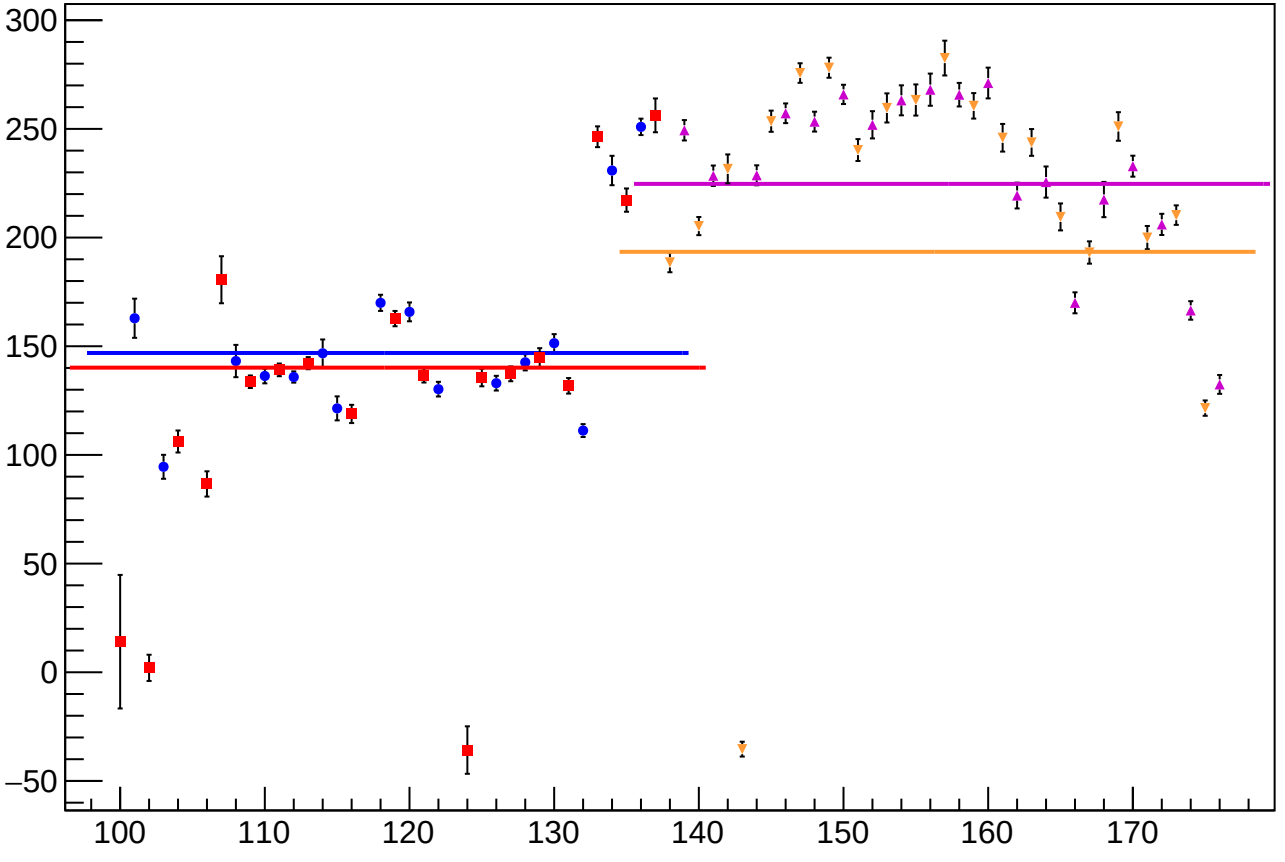
Left In: -148.505+/-0.050 χ^2/NDF:106827.5/18

+ sign -132.821+/-0.041 χ^2/NDF: 797031.2/35

All: -134.064+/-0.029 χ^2/NDF: 1488411.8/73

- sign -135.312+/-0.041 χ^2/NDF: 689571.7/37

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 193.440+/-1.131 χ^2/NDF:6527.9/19

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

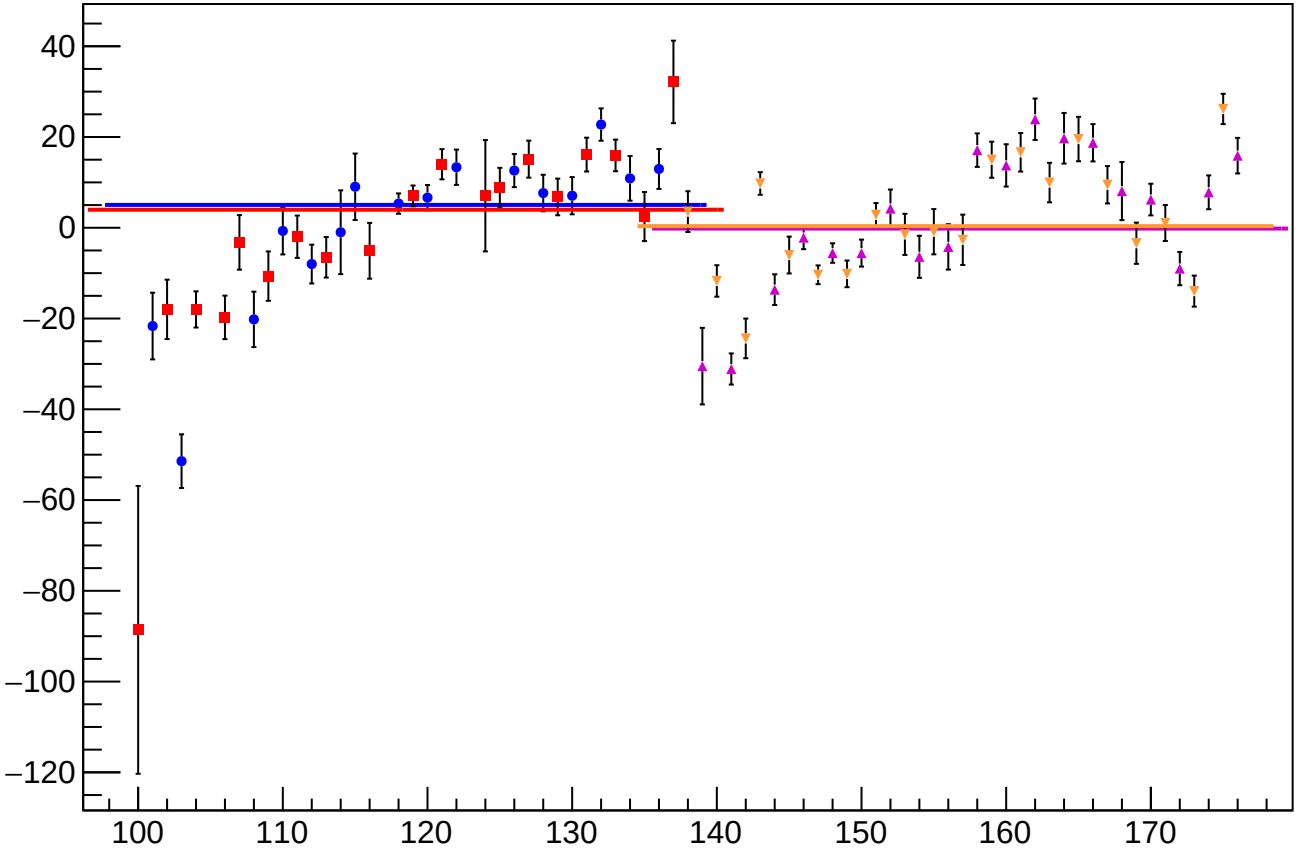
Left In: 224.700+/-1.192 χ^2/NDF:1176.4/18

+ sign 167.393+/-0.751 χ^2/NDF: 8777.0/35

All: 170.414+/-0.530 χ^2/NDF: 14987.2/73

- sign 173.413+/-0.748 χ^2/NDF: 6178.0/37

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 0.363+/-0.794 χ^2/NDF:233.9/19

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

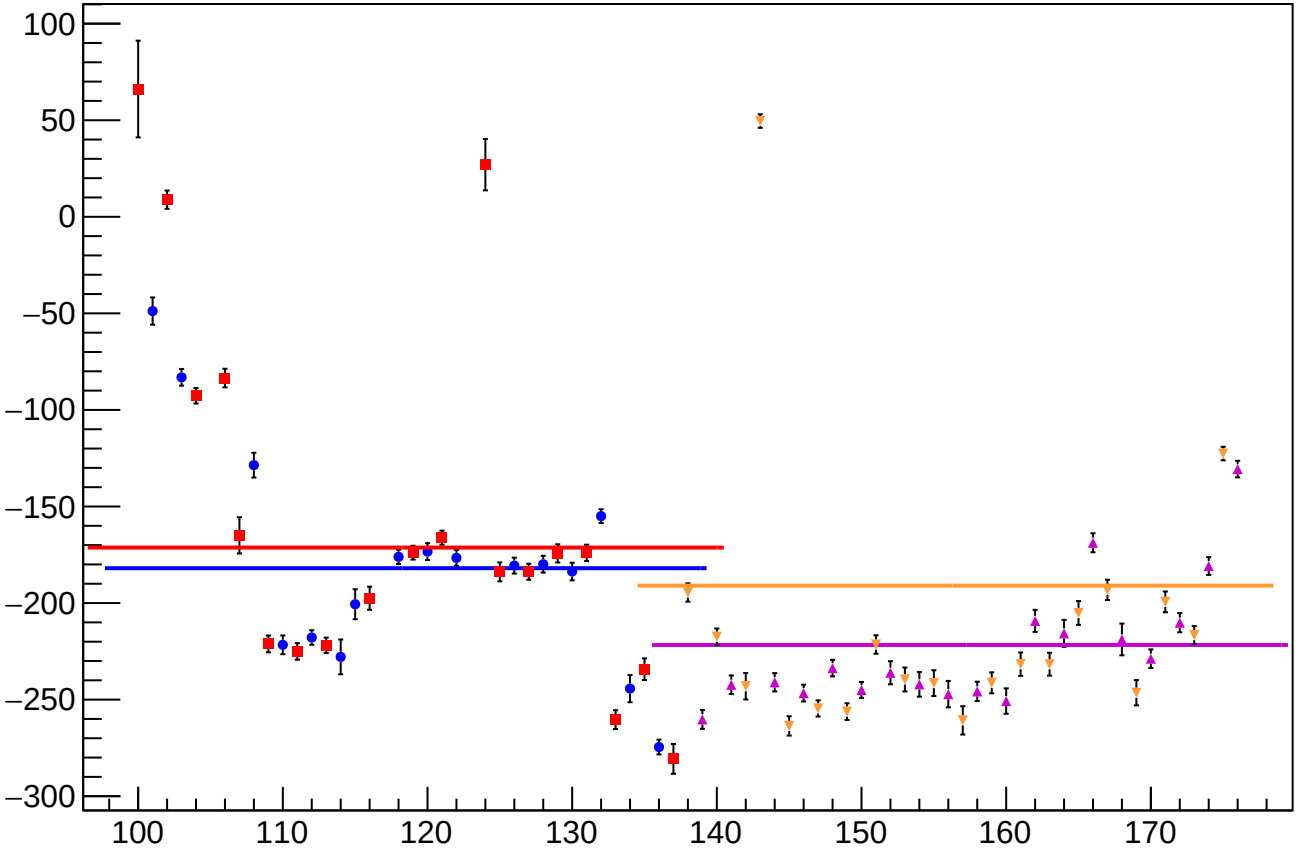
Left In: -0.176+/-0.849 χ^2/NDF:248.3/18

\+ sign 2.125+/-0.627 χ^2/NDF: 418.9/35

All: 1.842+/-0.451 χ^2/NDF: 822.3/73

\- sign 1.538+/-0.650 χ^2/NDF: 403.0/37

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -190.958+/-1.119 χ^2/NDF:6360.2/19

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

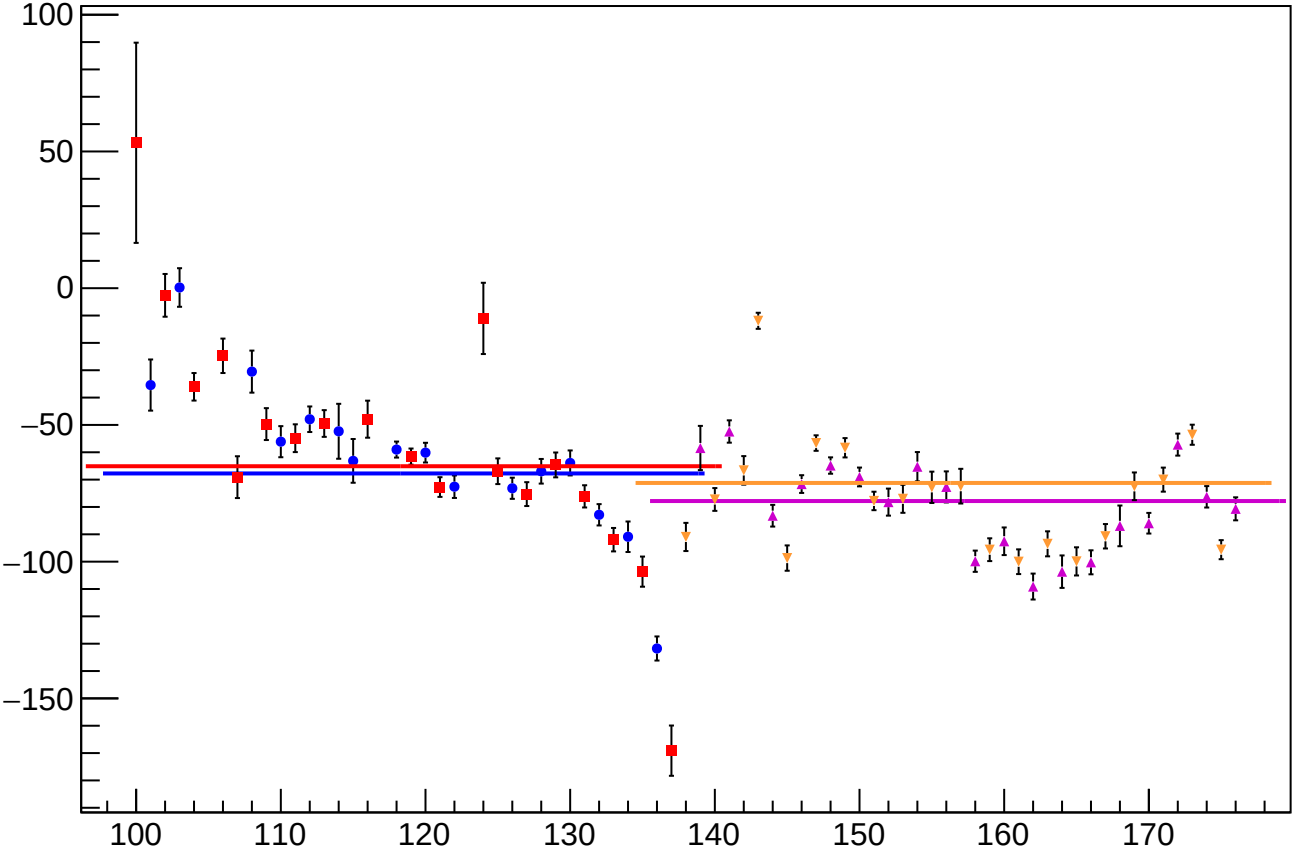
Left In: -221.701+/-1.174 χ^2/NDF:900.8/18

\+ sign -186.592+/-0.803 χ^2/NDF: 8262.1/35

All: -190.818+/-0.569 χ^2/NDF: 13820.0/73

\- sign -195.084+/-0.807 χ^2/NDF: 5502.3/37

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -71.215+/-0.925 χ^2/NDF:725.3/19

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

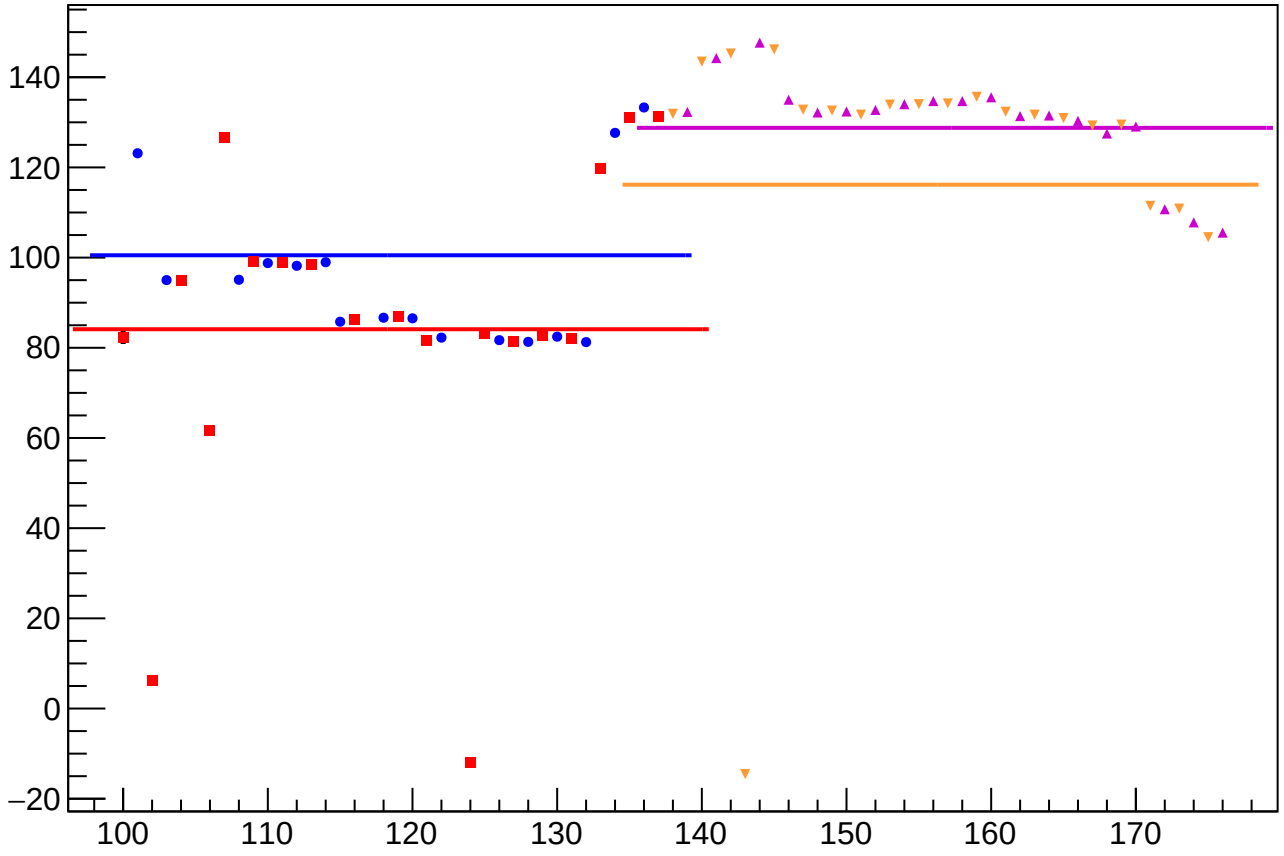
Left In: -77.834+/-0.981 χ^2/NDF:243.8/18

+ sign -69.897+/-0.728 χ^2/NDF: 1144.7/35

All: -71.187+/-0.523 χ^2/NDF: 1893.7/73

- sign -72.559+/-0.751 χ^2/NDF: 742.5/37

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 116.167+/-0.044 χ^2/NDF:945259.0/19

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

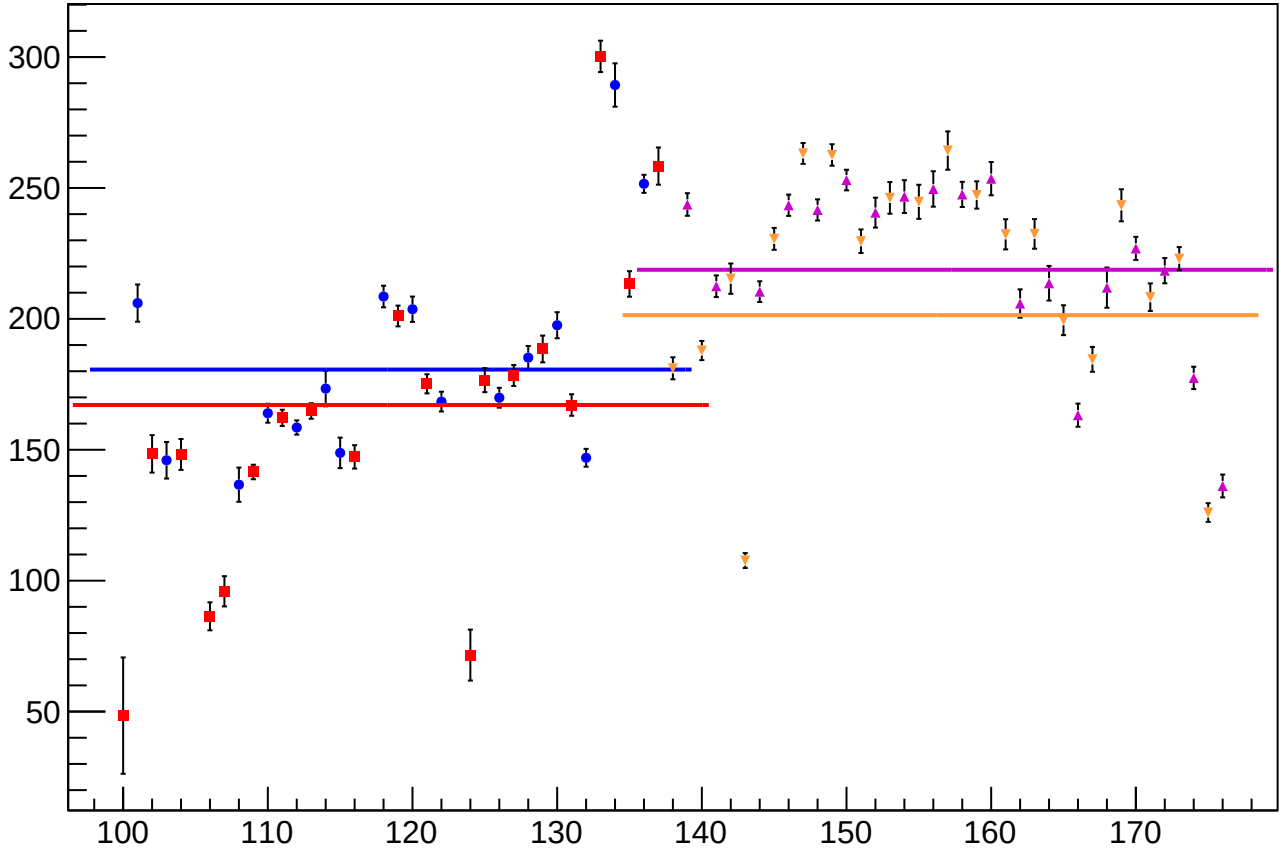
Left In: 128.773+/-0.044 χ^2/NDF:64972.2/18

+ sign 112.143+/-0.038 χ^2/NDF: 1045983.7/35

All: 113.947+/-0.026 χ^2/NDF: 1674204.8/73

- sign 115.739+/-0.037 χ^2/NDF: 623611.3/37

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: 201.428+/-1.027 χ^2/NDF:2518.8/19

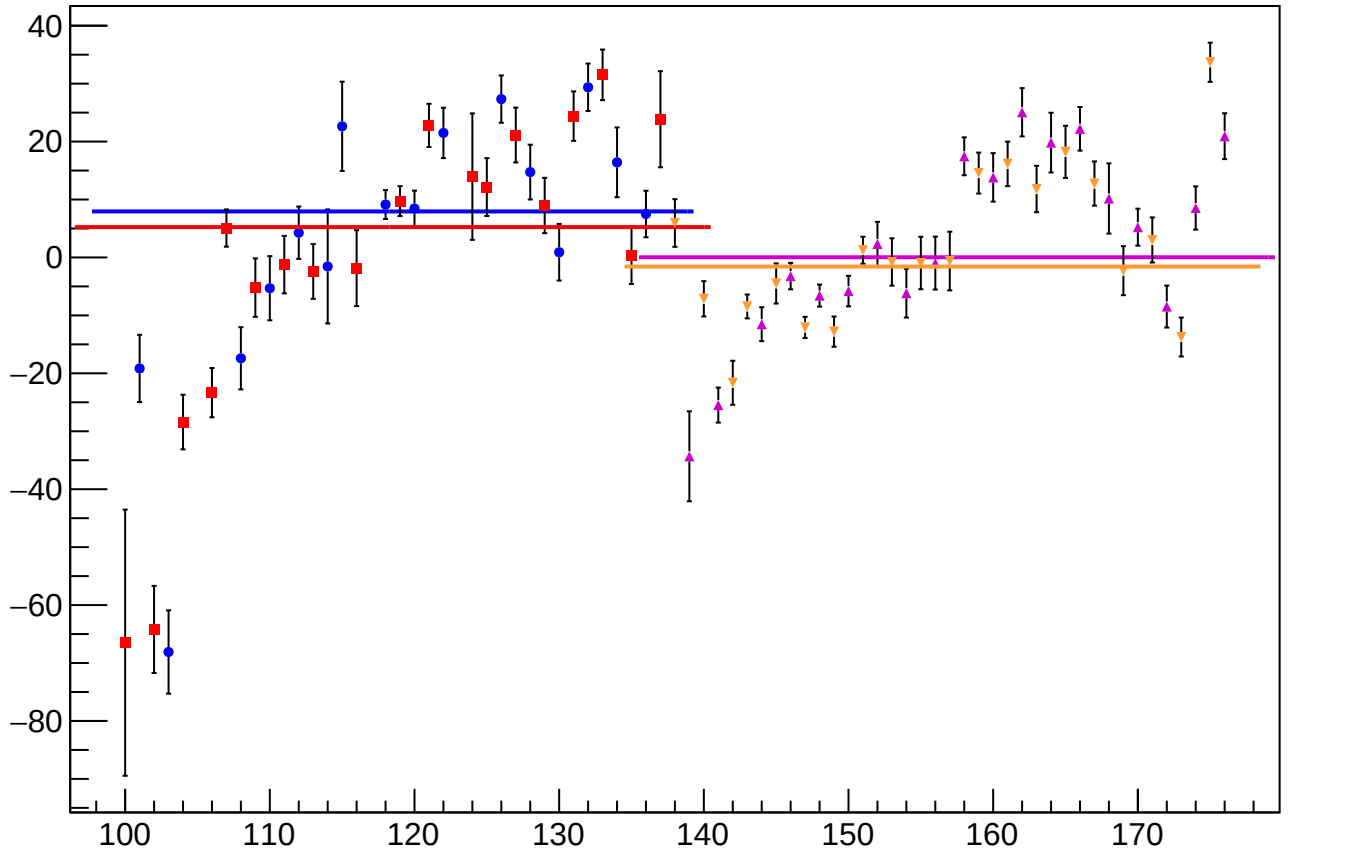
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 218.757+/-1.094 χ^2/NDF:925.7/18

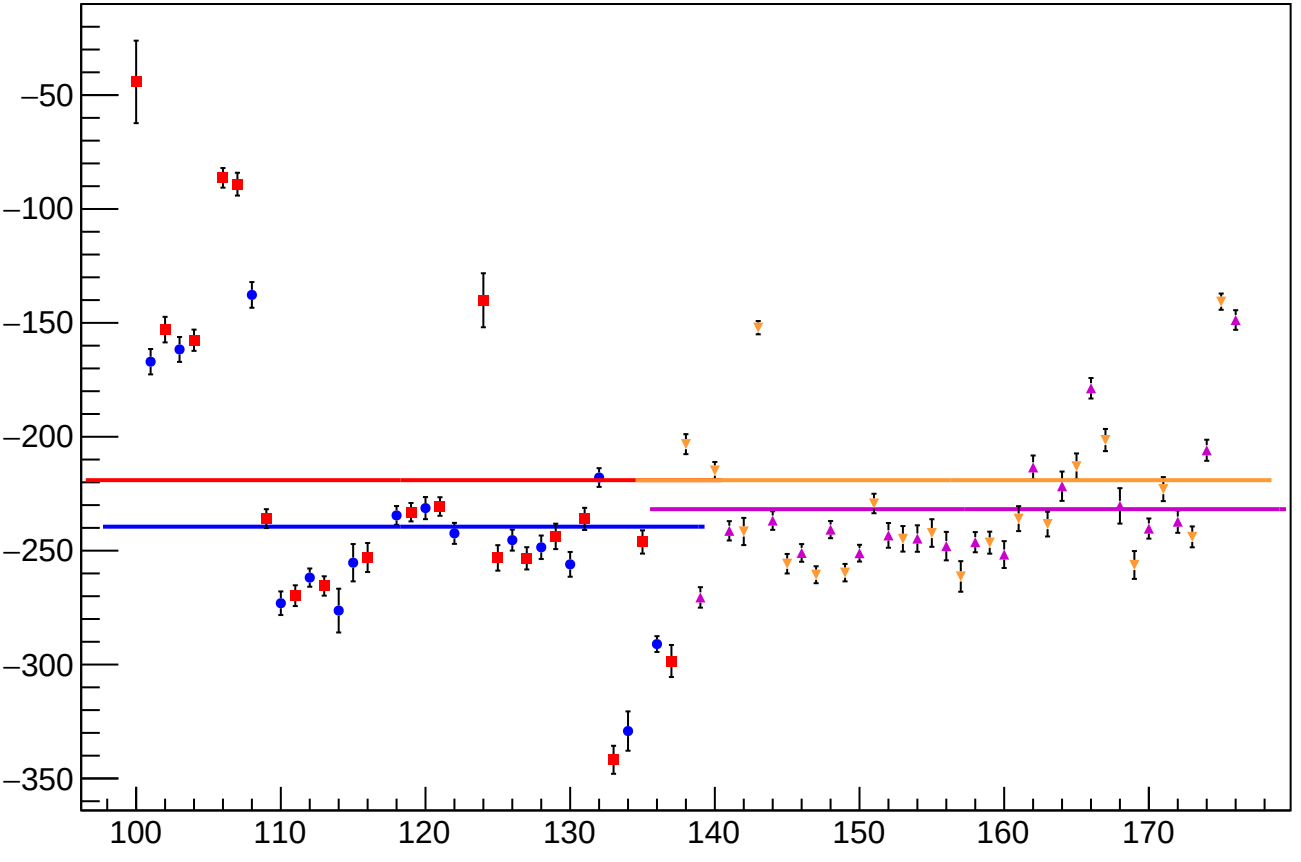
+ sign 191.647+/-0.747 χ^2/NDF: 3705.1/35

All: 191.393+/-0.528 χ^2/NDF: 7307.1/73

- sign 191.139+/-0.746 χ^2/NDF: 3601.8/37


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: -1.569+/-0.714 χ²/NDF:309.4/19
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: 0.032+/-0.771 χ²/NDF:296.8/18
+ sign 1.206+/-0.601 χ²/NDF: 594.0/35
All: 1.507+/-0.433 χ²/NDF: 1210.0/73
- sign 1.831+/-0.624 χ²/NDF: 615.5/37

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: -219.052+/-1.015 χ^2/NDF:1562.7/19

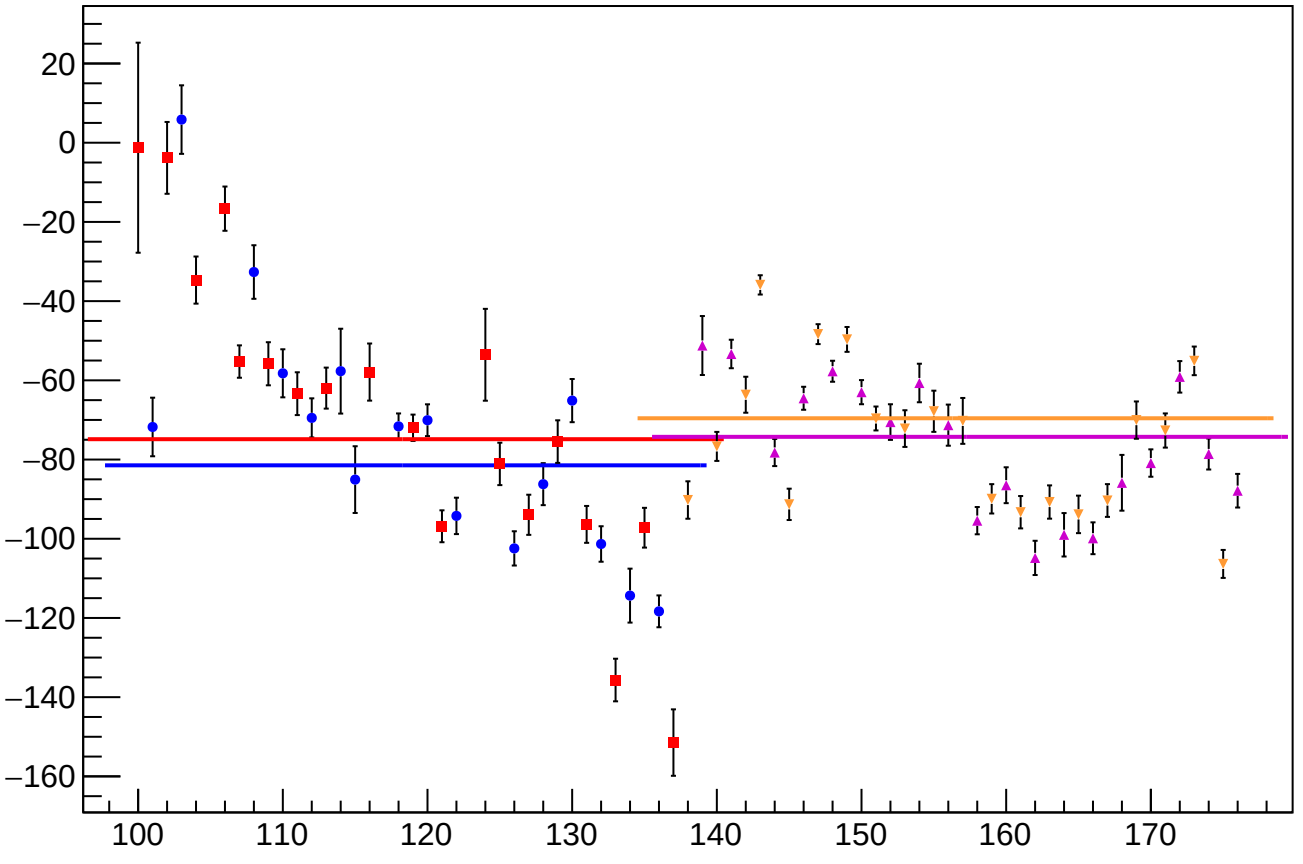
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -231.782+/-1.076 χ^2/NDF:738.0/18

\+ sign -227.203+/-0.787 χ^2/NDF: 2886.4/35

All: -226.599+/-0.559 χ^2/NDF: 6738.6/73

\- sign -225.984+/-0.794 χ^2/NDF: 3851.0/37



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.577+/-0.836 χ^2/NDF:623.5/19

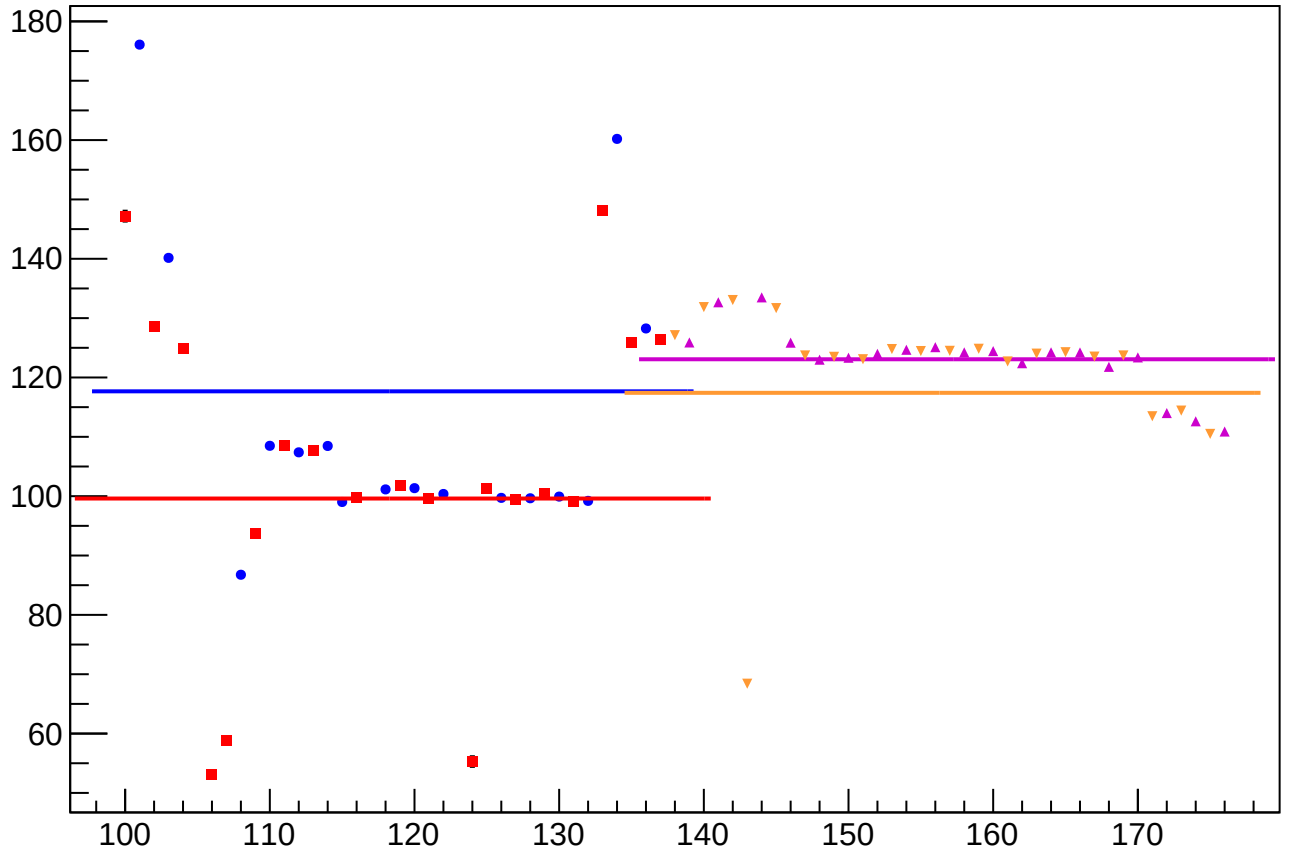
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.266+/-0.895 χ^2/NDF:306.0/18

+ sign -73.104+/-0.701 χ^2/NDF: 1050.0/35

All: -73.766+/-0.504 χ^2/NDF: 1934.6/73

- sign -74.472+/-0.724 χ^2/NDF: 882.8/37



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.415+/-0.040 χ^2/NDF:201096.2/19

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

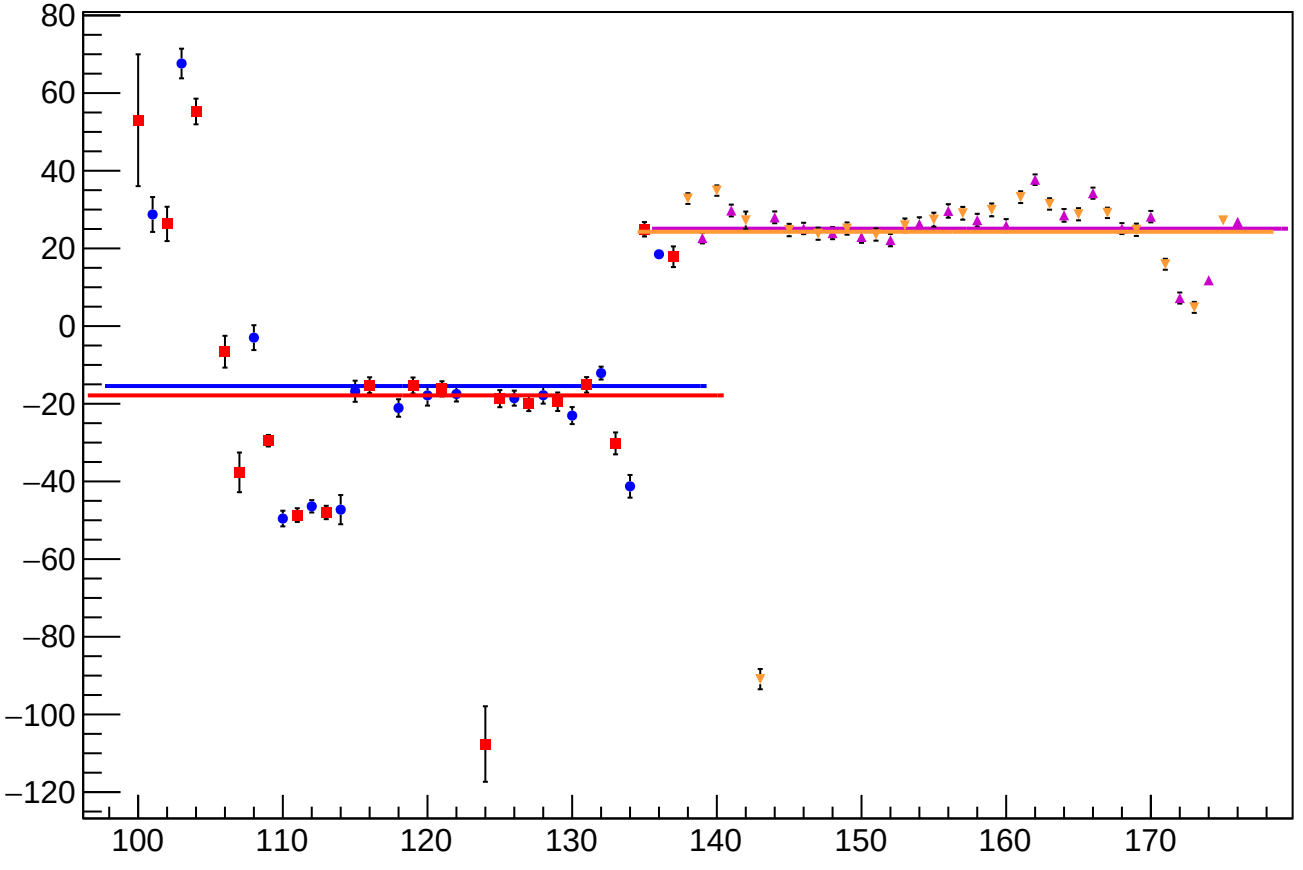
Left In: 123.069+/-0.041 χ^2/NDF:18761.7/18

+ sign 117.466+/-0.035 χ^2/NDF: 296501.6/35

All: 117.308+/-0.025 χ^2/NDF: 564840.0/73

- sign 117.151+/-0.035 χ^2/NDF: 268298.6/37

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: 24.293+/-0.342 χ^2/NDF:2383.3/19

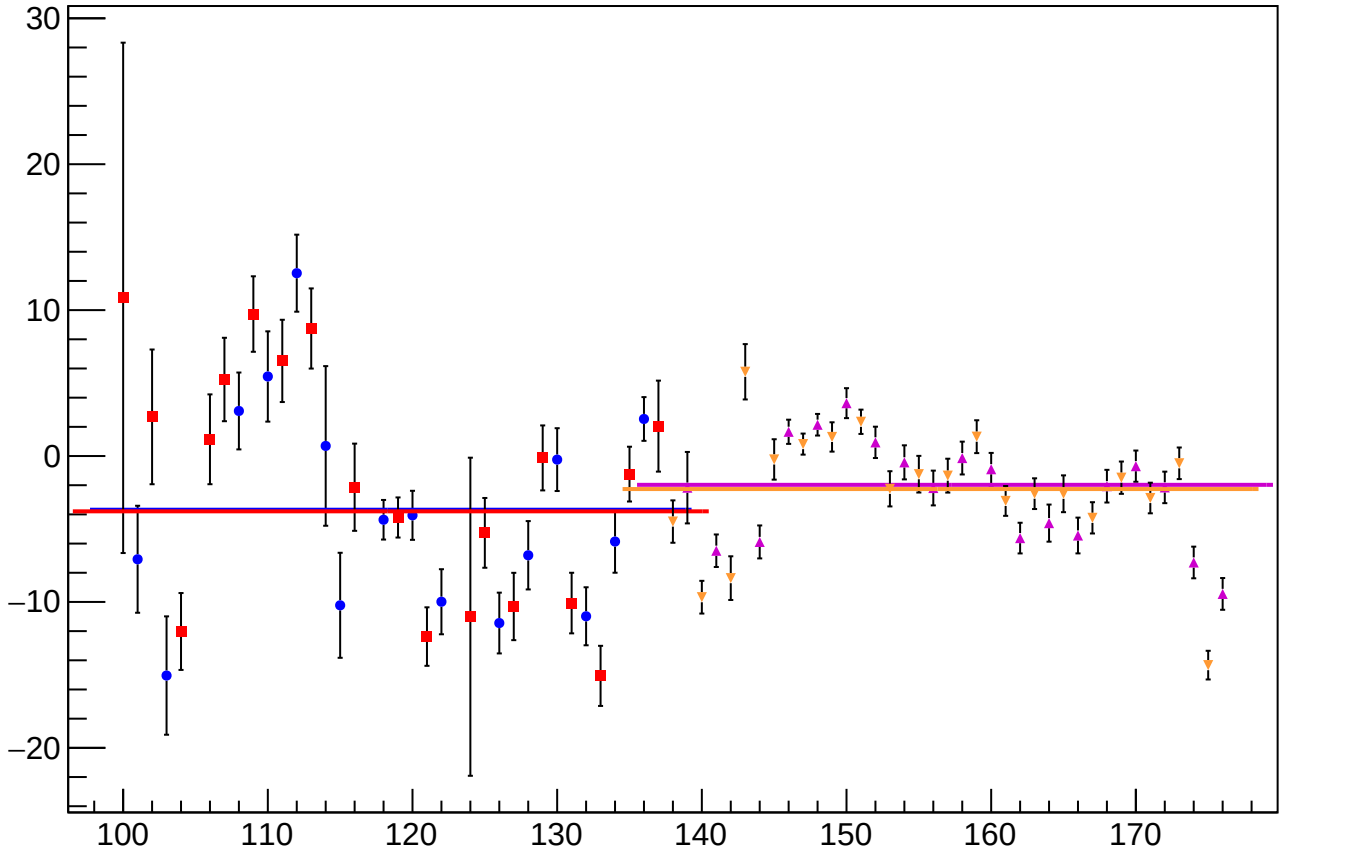
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.084+/-0.339 χ^2/NDF:442.4/18

+ sign 12.907+/-0.289 χ^2/NDF: 8383.3/35

All: 12.743+/-0.203 χ^2/NDF: 15608.8/73

- sign 12.582+/-0.286 χ^2/NDF: 7224.9/37



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.263+/-0.245 χ^2/NDF:314.2/19

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

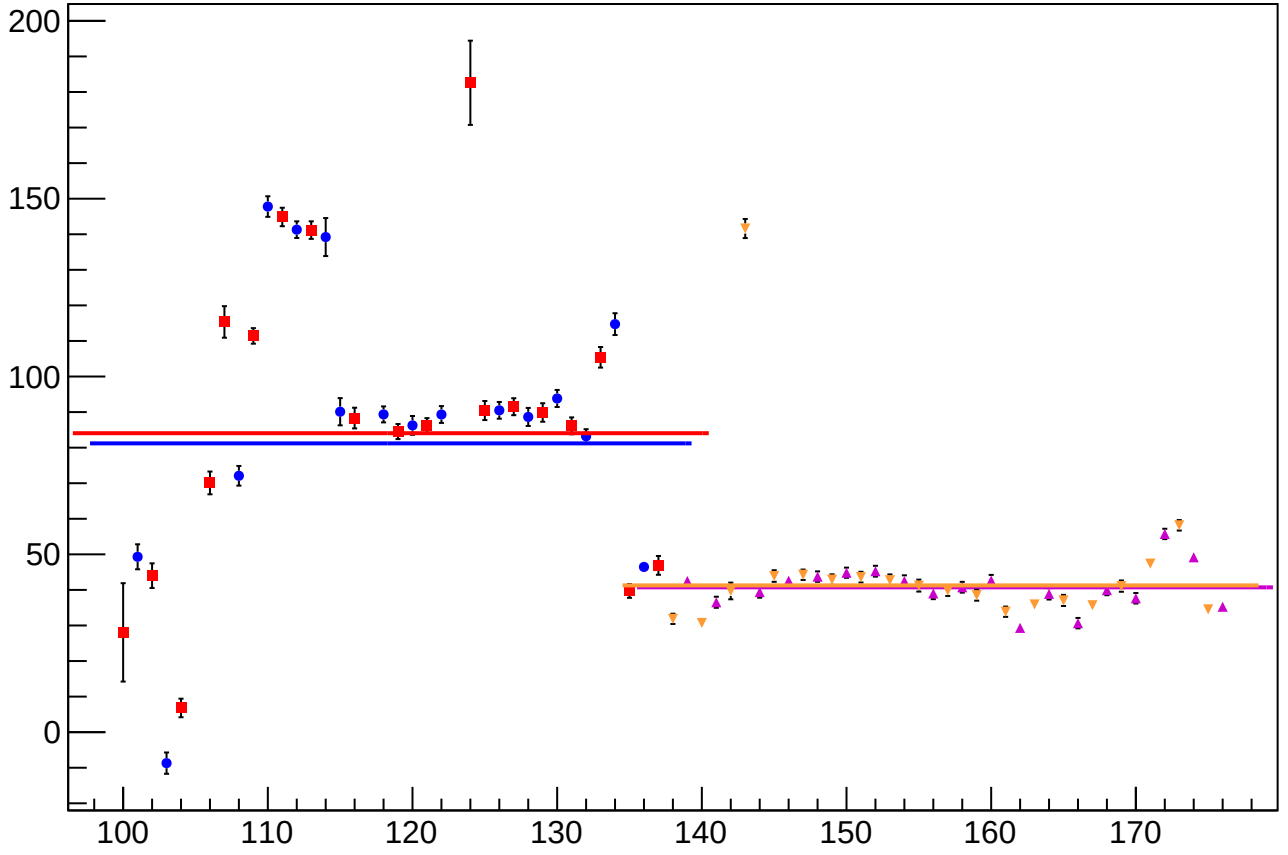
Left In: -1.974+/-0.248 χ^2/NDF:218.1/18

\+ sign -2.496+/-0.224 χ^2/NDF: 443.7/35

All: -2.383+/-0.159 χ^2/NDF: 832.2/73

\- sign -2.268+/-0.227 χ^2/NDF: 388.0/37

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: 41.271+/-0.336 χ^2/NDF:1769.6/19

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

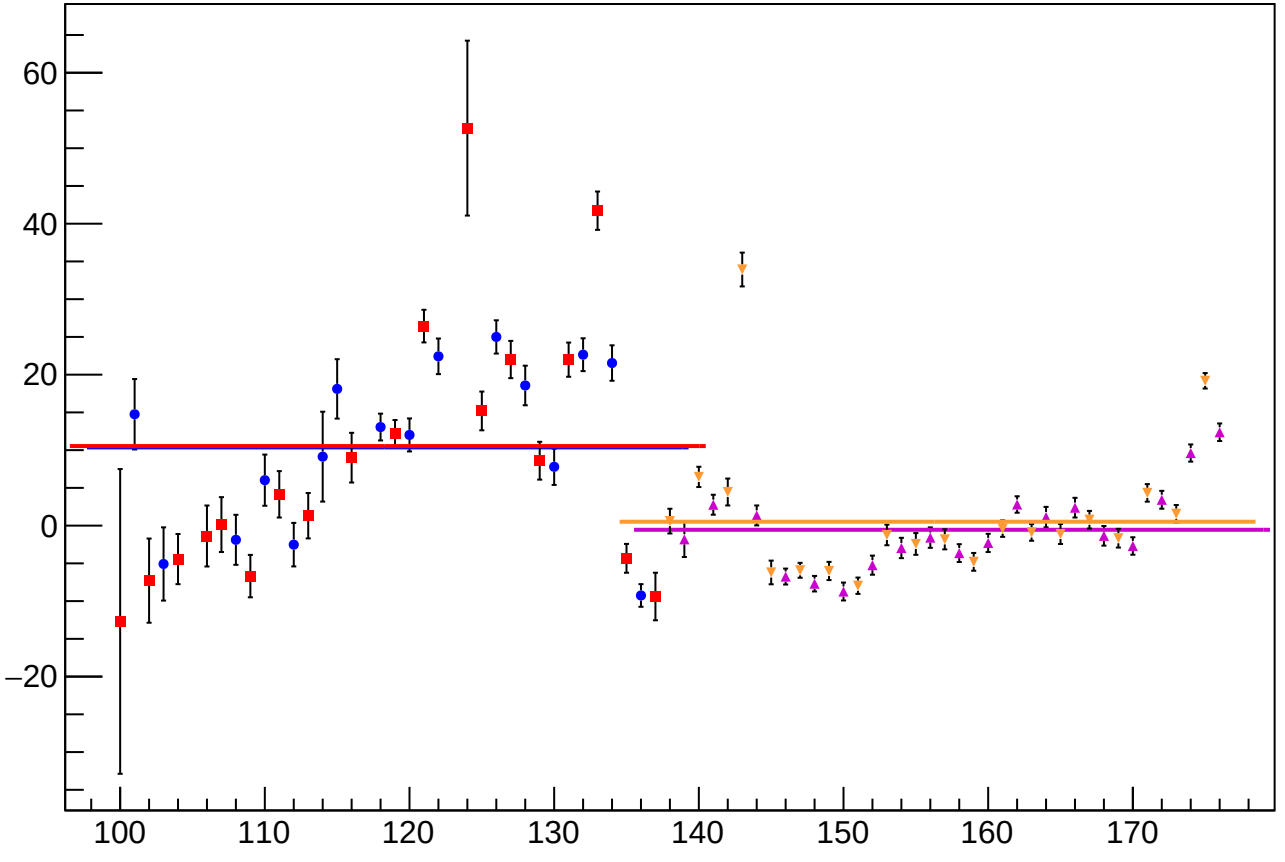
Left In: 40.717+/-0.334 χ^2/NDF:333.6/18

+ sign 50.626+/-0.294 χ^2/NDF: 8313.4/35

All: 50.596+/-0.208 χ^2/NDF: 15676.8/73

- sign 50.567+/-0.294 χ^2/NDF: 7363.4/37

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 0.516+/-0.280 χ^2/NDF:778.6/19

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

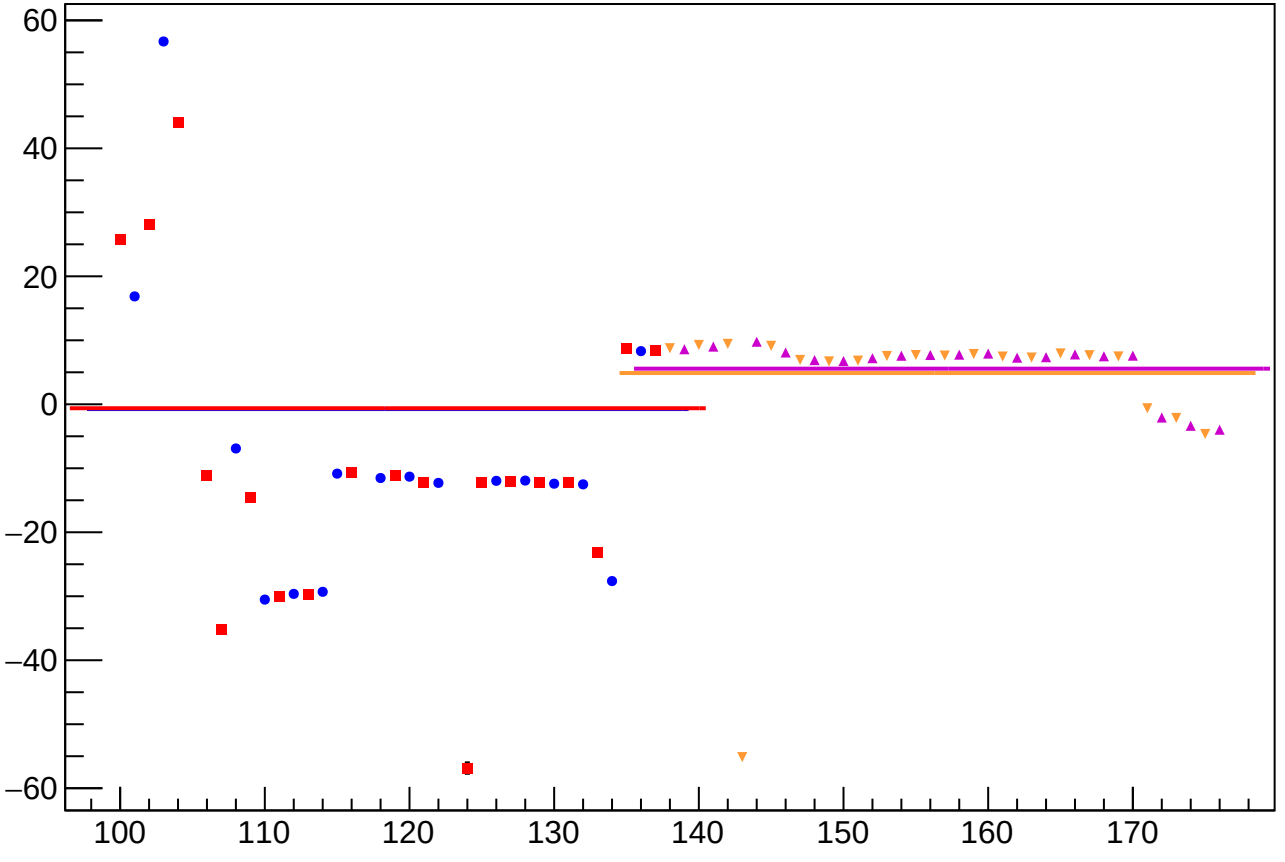
Left In: -0.550+/-0.282 χ^2/NDF:399.0/18

+ sign 2.155+/-0.256 χ^2/NDF: 1344.4/35

All: 1.711+/-0.182 χ^2/NDF: 2471.4/73

- sign 1.257+/-0.258 χ^2/NDF: 1120.8/37

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.886+/-0.013 χ^2/NDF:403470.8/19

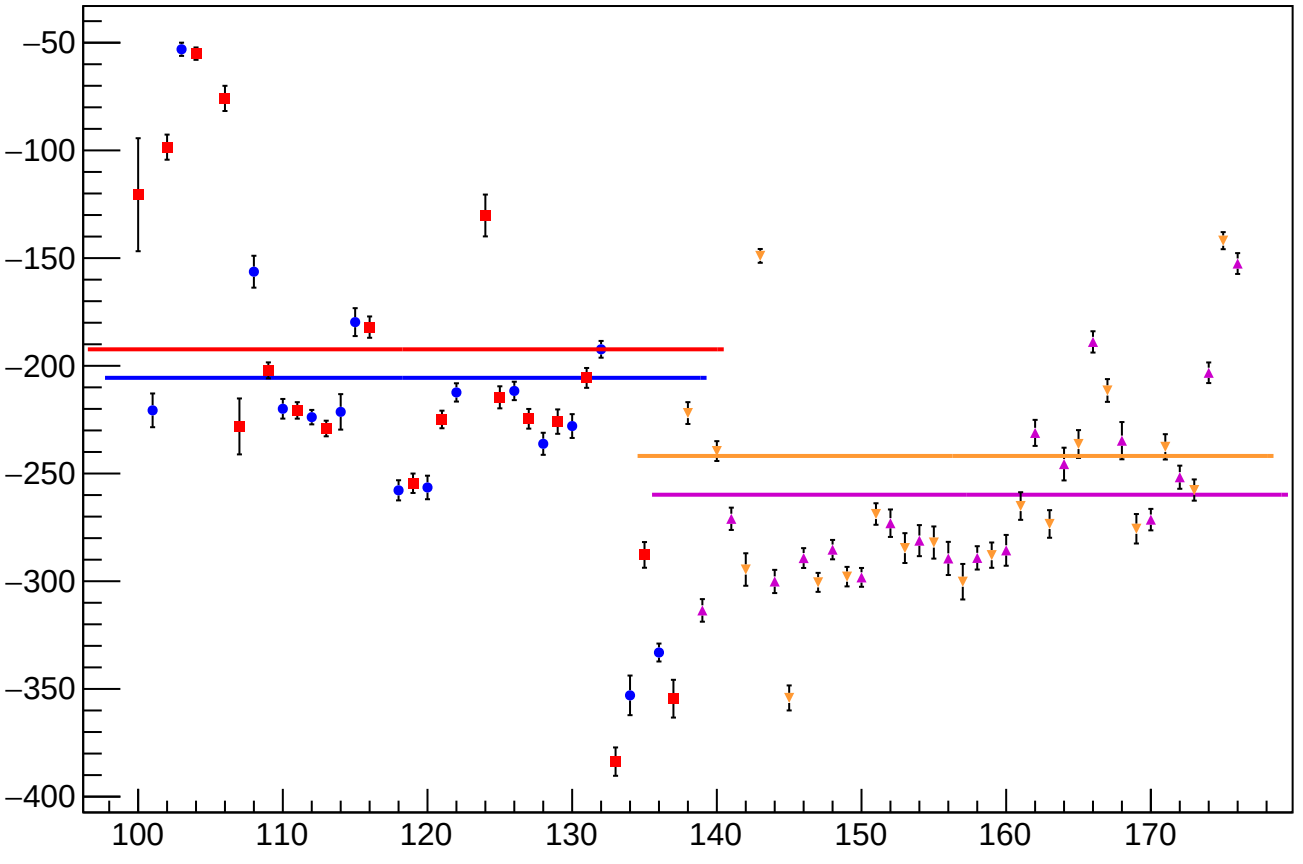
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 5.569+/-0.012 χ^2/NDF:127182.5/18

+ sign 4.262+/-0.012 χ^2/NDF: 793363.8/35

All: 4.614+/-0.008 χ^2/NDF: 1263496.5/73

- sign 4.956+/-0.012 χ^2/NDF: 468418.1/37



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -241.842+/-1.181 χ^2/NDF:2557.4/19

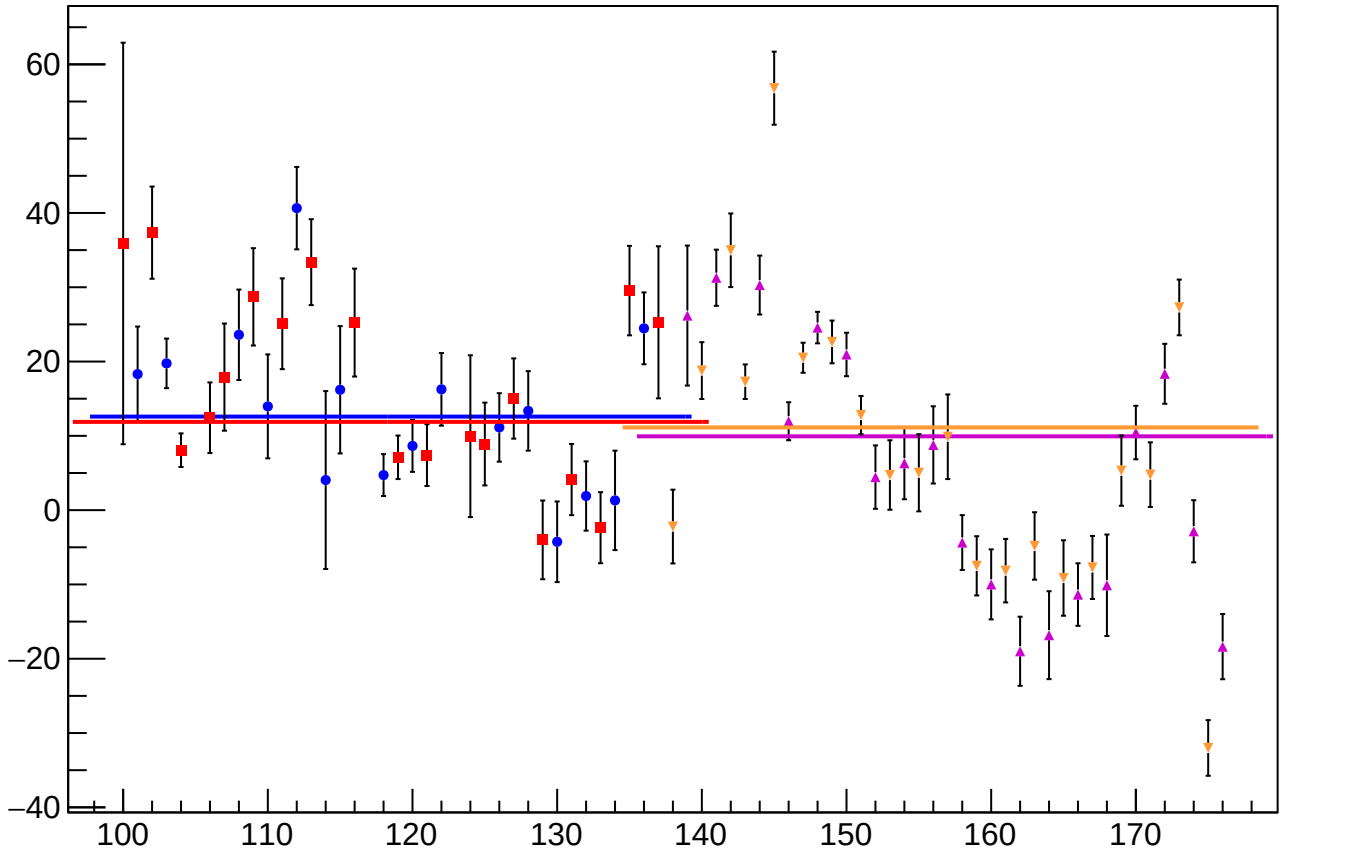
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -259.841+/-1.258 χ^2/NDF:1266.0/18

+ sign -223.766+/-0.836 χ^2/NDF: 7083.4/35

All: -223.012+/-0.592 χ^2/NDF: 14923.2/73

- sign -222.256+/-0.838 χ^2/NDF: 7838.1/37



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 11.134+/-0.815 χ^2/NDF:413.8/19

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

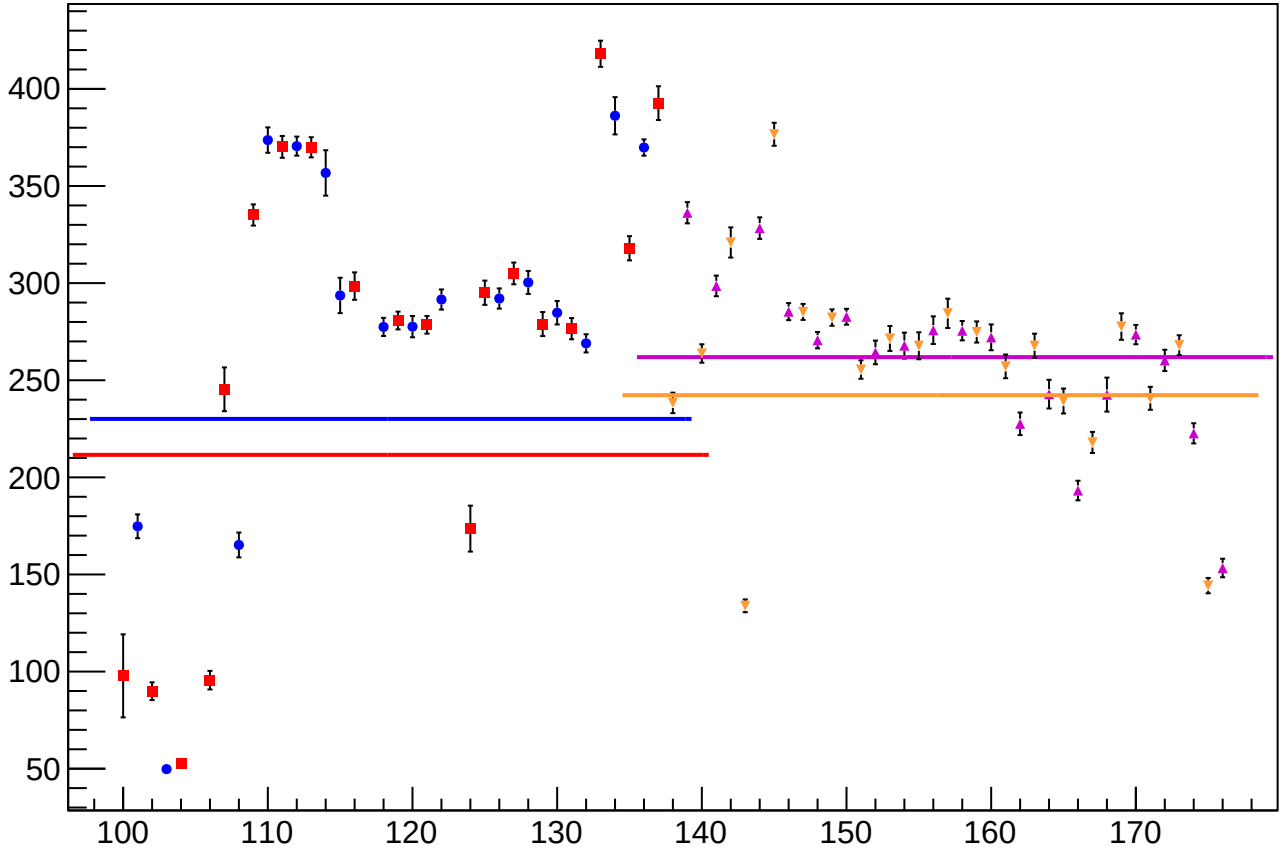
Left In: 9.934+/-0.880 χ^2/NDF:307.5/18

+ sign 11.593+/-0.675 χ^2/NDF: 483.3/35

All: 11.147+/-0.483 χ^2/NDF: 878.5/73

- sign 10.676+/-0.693 χ^2/NDF: 394.3/37

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 242.304+/-1.165 χ^2/NDF:2736.7/19

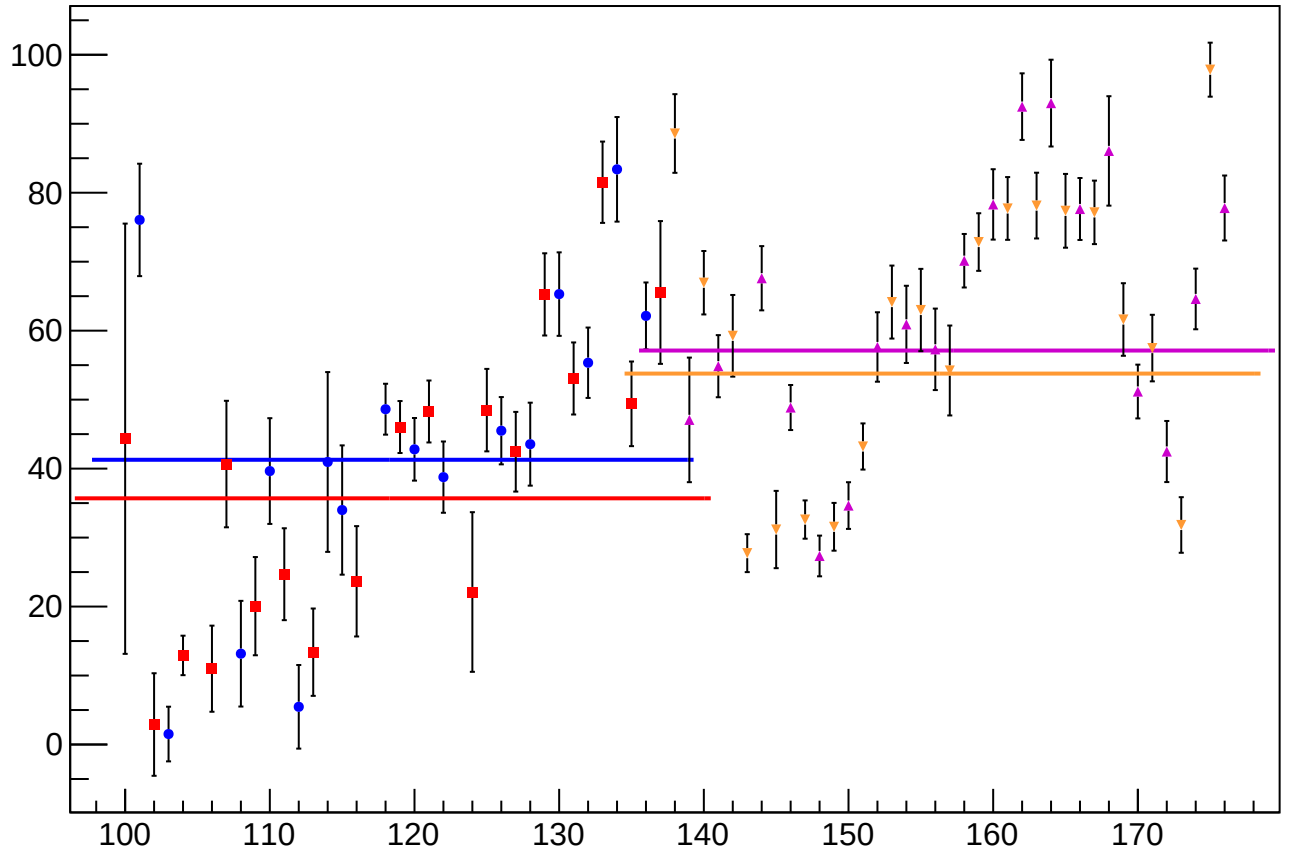
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 261.913+/-1.234 χ^2/NDF:1261.3/18

+ sign 236.676+/-0.855 χ^2/NDF: 12163.0/35

All: 236.310+/-0.606 χ^2/NDF: 25754.6/73

- sign 235.940+/-0.859 χ^2/NDF: 13591.2/37



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 53.778+/-0.954 χ^2/NDF:546.7/19

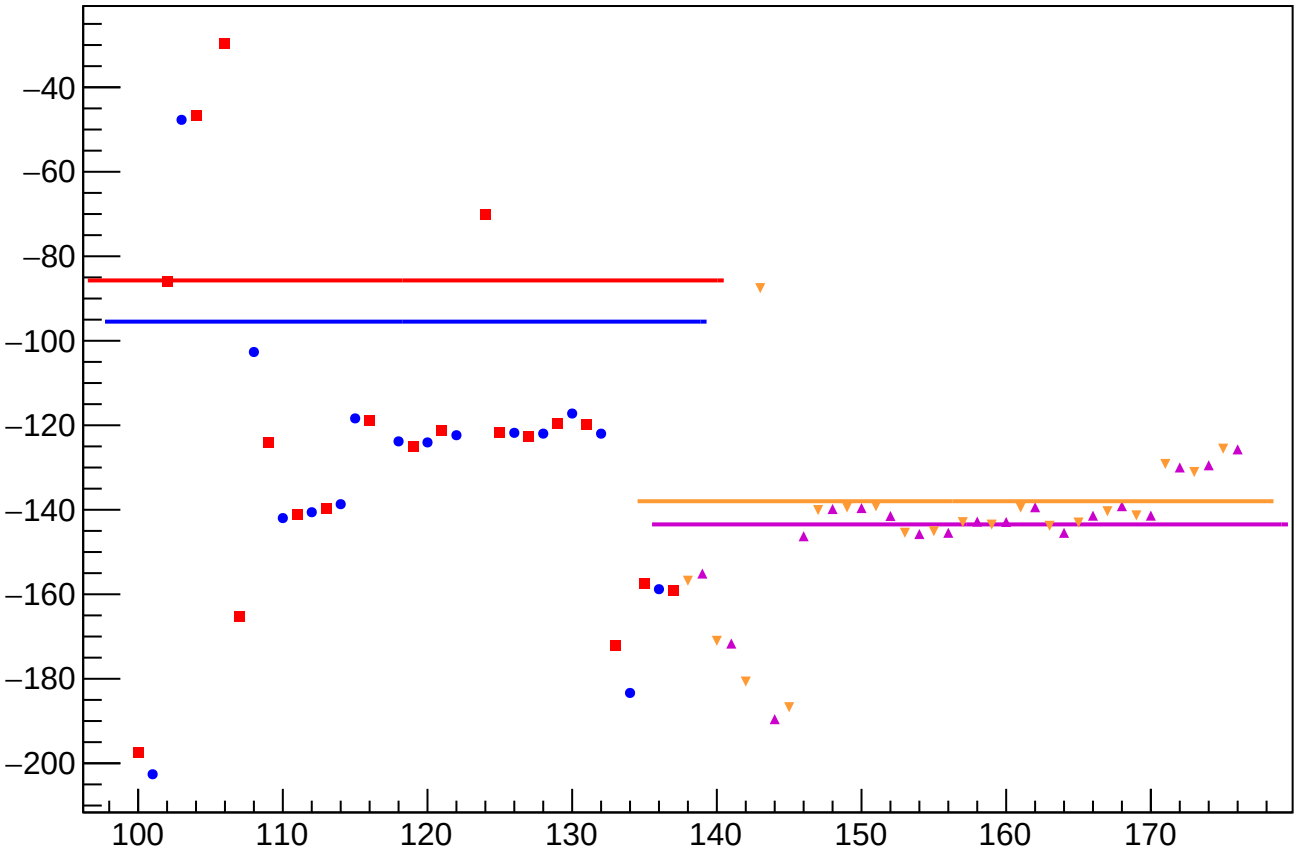
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 57.119+/-1.023 χ^2/NDF:343.6/18

+ sign 49.804+/-0.788 χ^2/NDF: 847.0/35

All: 49.440+/-0.564 χ^2/NDF: 1609.4/73

- sign 49.057+/-0.808 χ^2/NDF: 761.9/37



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.974+/-0.045 χ^2/NDF:241196.3/19

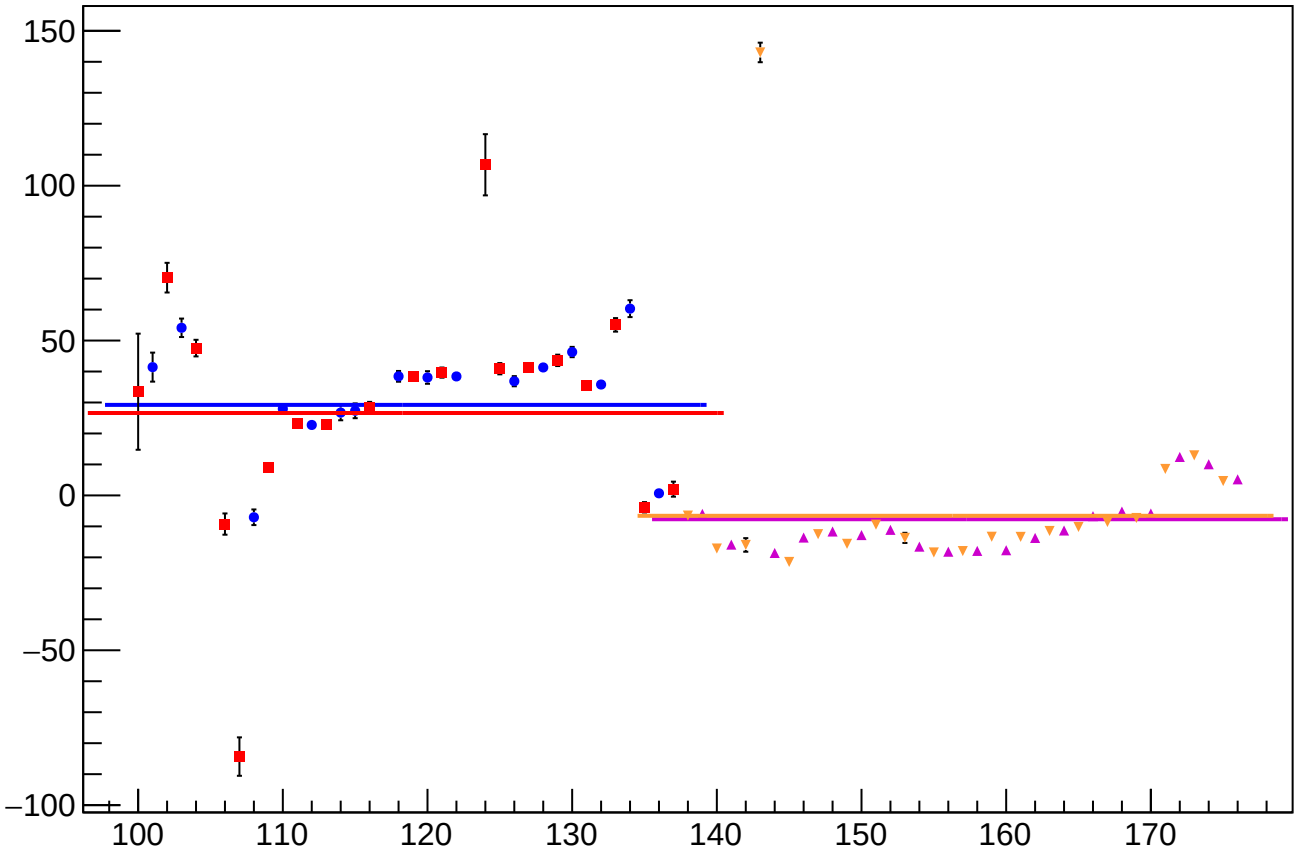
Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -143.461+/-0.047 χ^2/NDF:75707.8/18

+ sign -125.271+/-0.038 χ^2/NDF: 1023774.5/35

All: -124.915+/-0.027 χ^2/NDF: 2082584.4/73

- sign -124.552+/-0.038 χ^2/NDF: 1058632.5/37



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -6.582+/-0.320 χ^2/NDF:3157.2/19

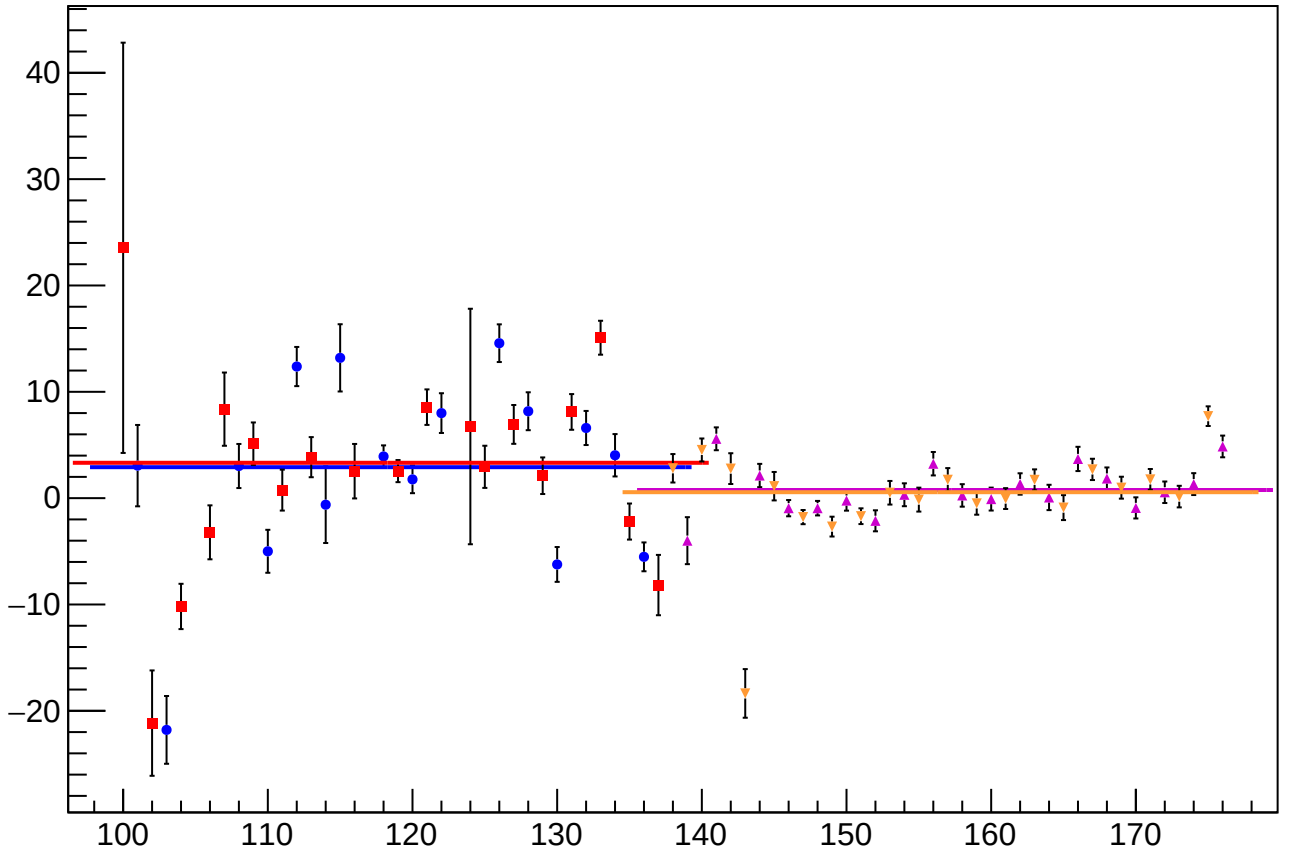
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -7.692+/-0.317 χ^2/NDF:911.9/18

+ sign 6.407+/-0.256 χ^2/NDF: 9040.3/35

All: 5.691+/-0.179 χ^2/NDF: 16211.8/73

- sign 4.996+/-0.252 χ^2/NDF: 7156.0/37



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.561+/-0.229 χ^2/NDF:193.1/19

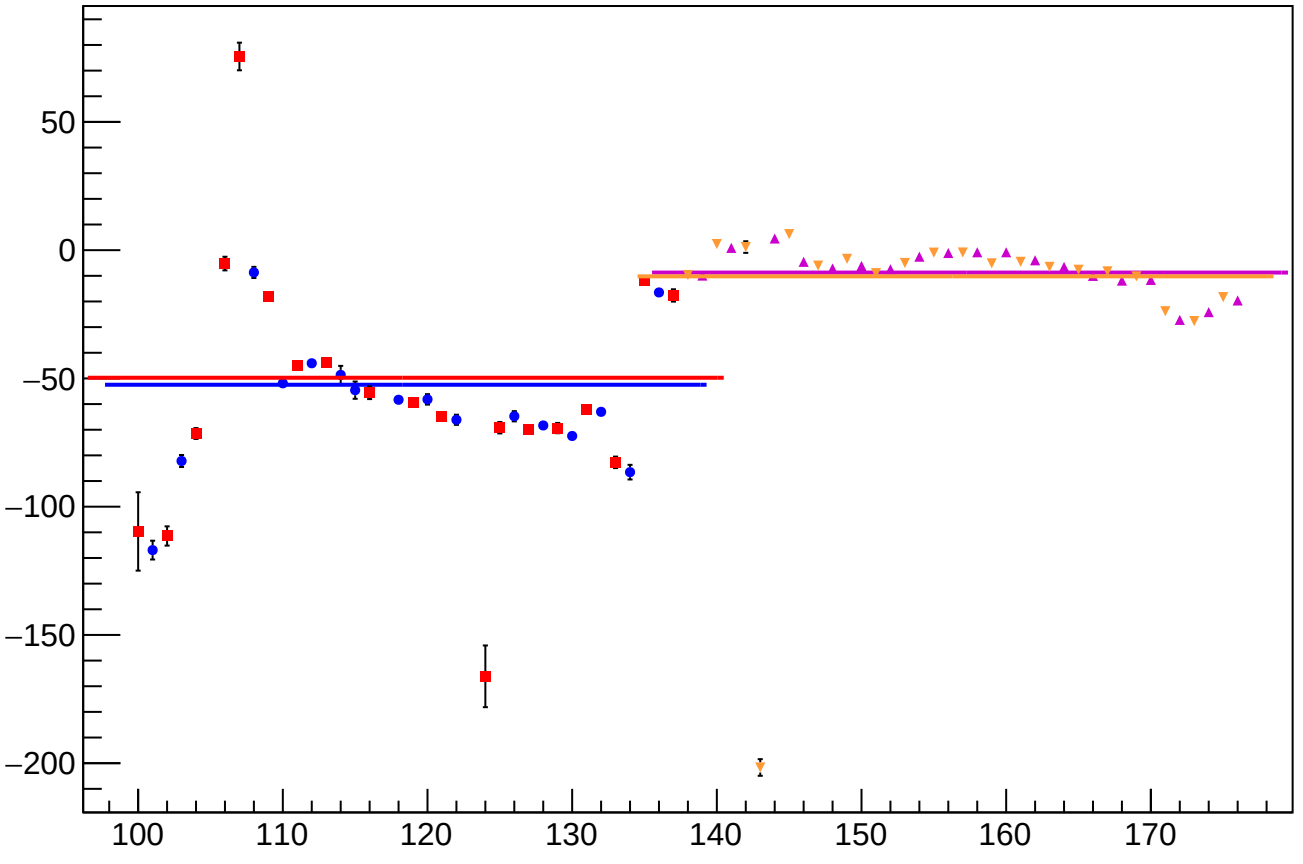
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.766+/-0.232 χ^2/NDF:80.9/18

+ sign 1.057+/-0.203 χ^2/NDF: 465.3/35

All: 1.175+/-0.145 χ^2/NDF: 754.0/73

- sign 1.296+/-0.206 χ^2/NDF: 288.0/37



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -10.204+/-0.314 χ^2/NDF:4213.8/19

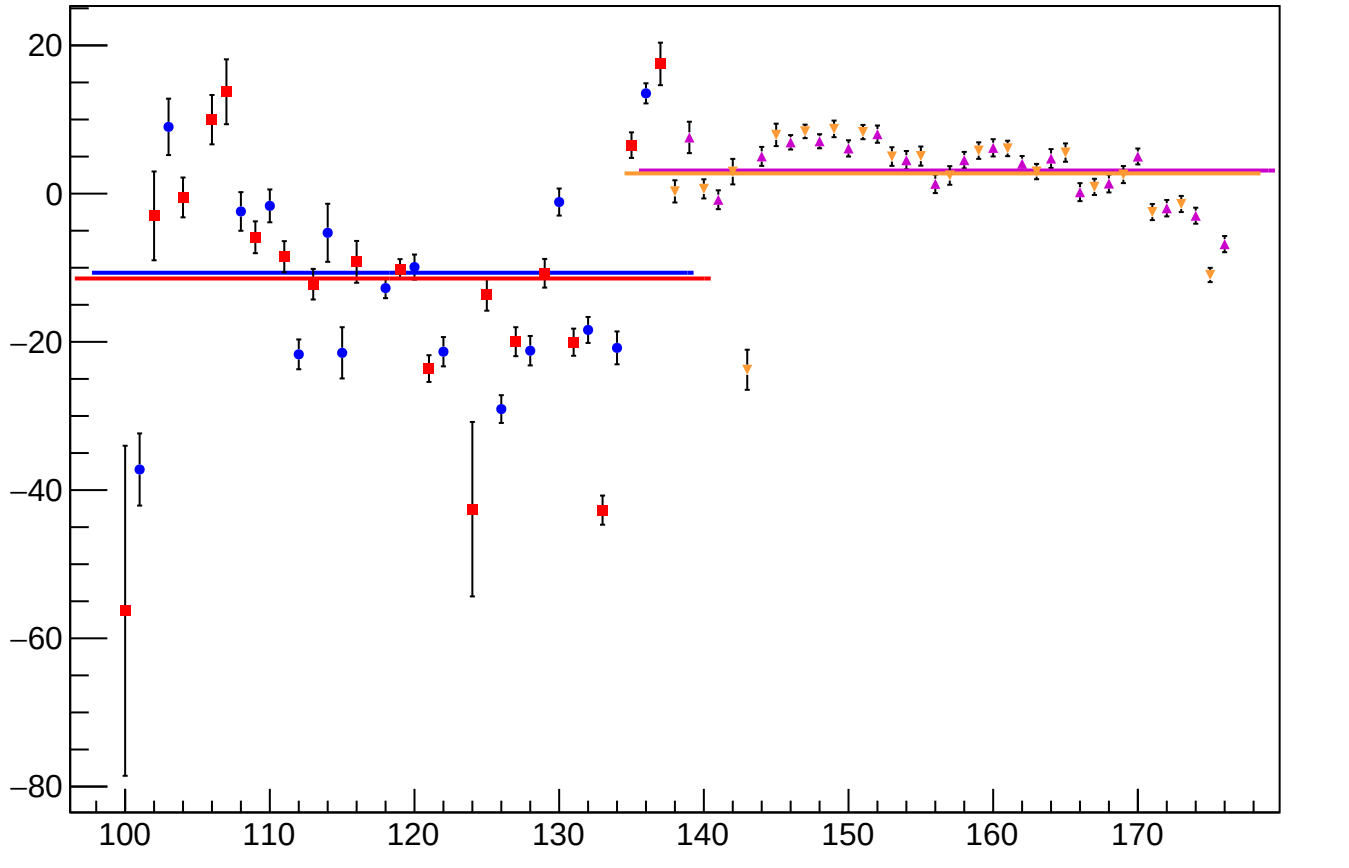
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

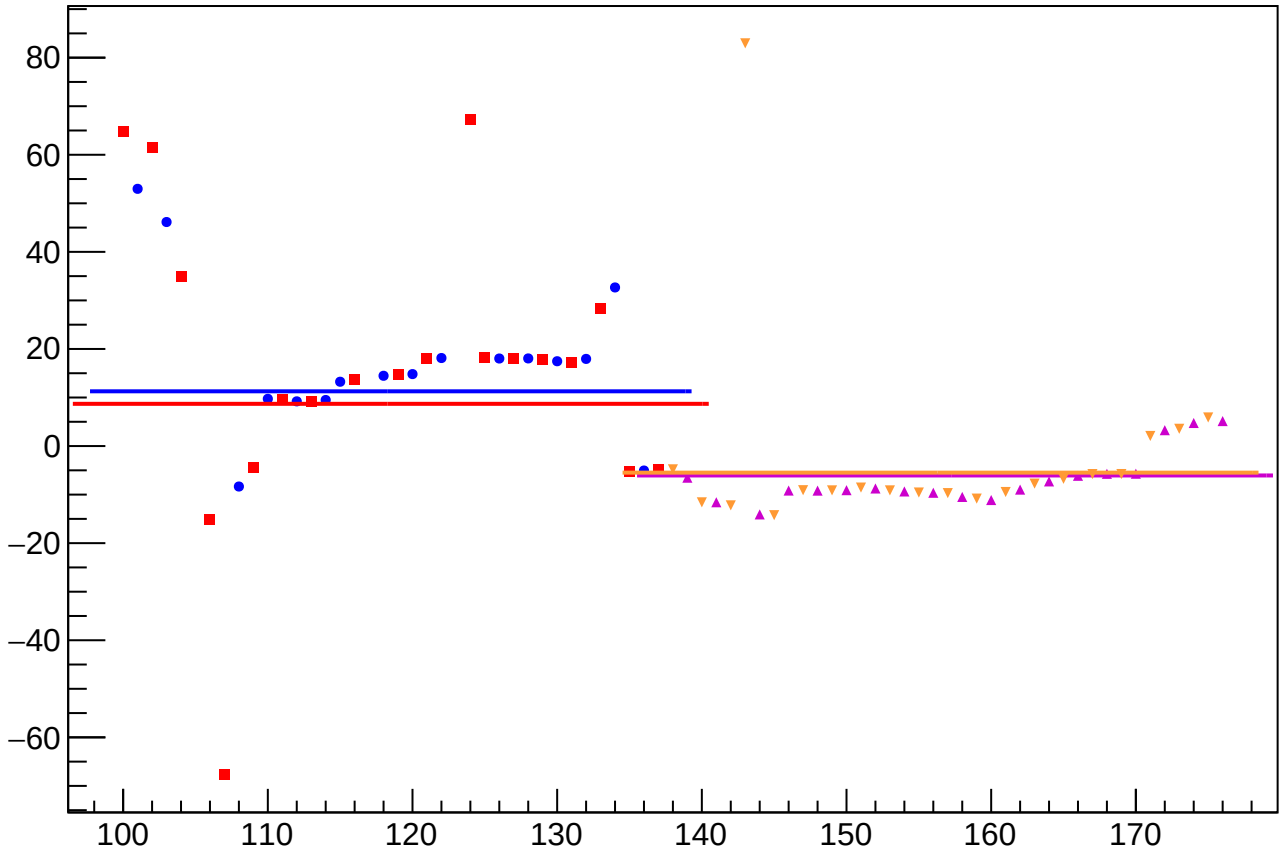
Left In: -8.731+/-0.312 χ^2/NDF:694.5/18

+ sign -22.605+/-0.264 χ^2/NDF: 11848.4/35

All: -21.519+/-0.187 χ^2/NDF: 20508.2/73

- sign -20.435+/-0.264 χ^2/NDF: 8626.0/37


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -10.675+/-0.505 χ²/NDF: 666.4/15
Left Out: 2.728+/-0.262 χ²/NDF:486.8/19
Right Out: -11.450+/-0.516 χ²/NDF: 665.7/18
Left In: 3.117+/-0.264 χ²/NDF:234.9/18
+ sign -0.108+/-0.233 χ²/NDF: 1707.5/35
All: -0.011+/-0.165 χ²/NDF: 3239.6/73
- sign 0.088+/-0.235 χ²/NDF: 1531.8/37



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -5.475+/-0.012 χ^2/NDF:645189.5/19

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

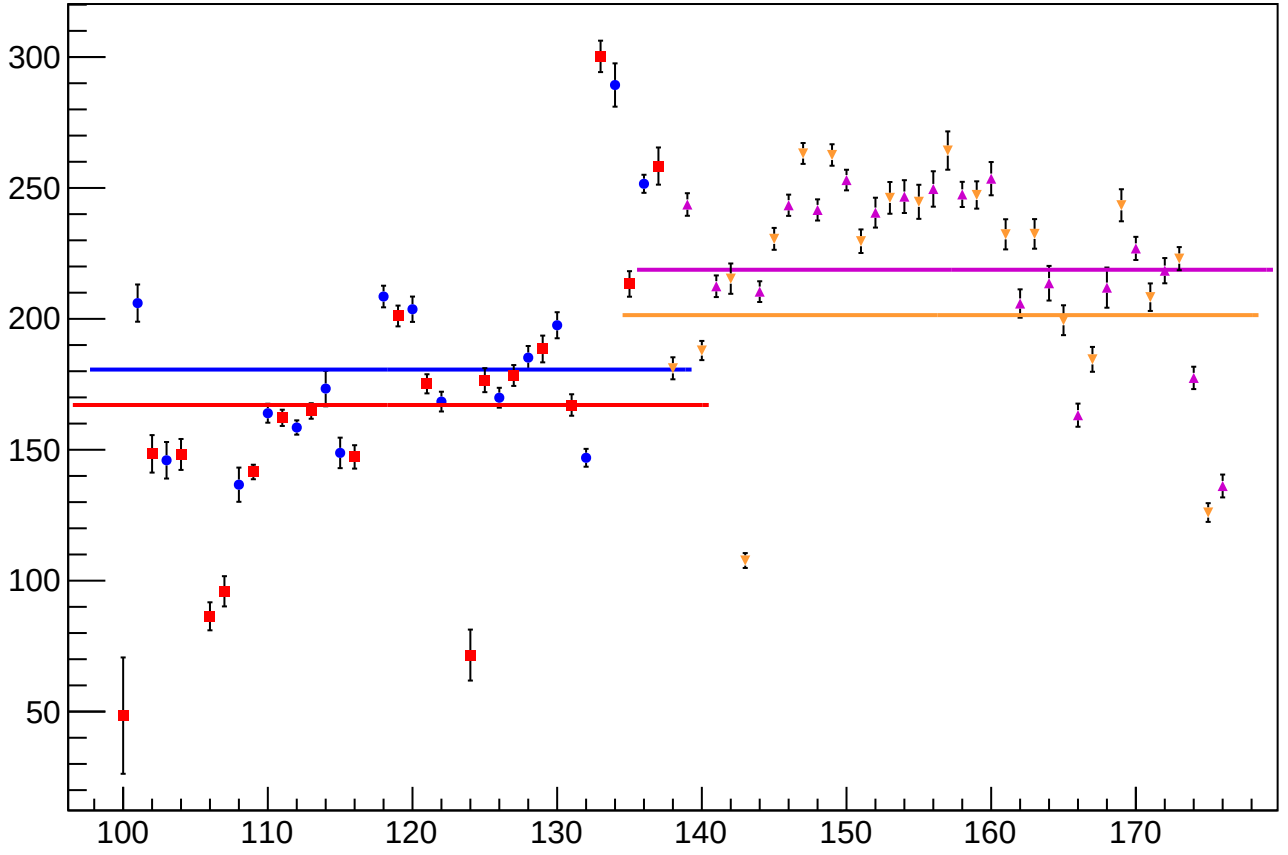
Left In: -6.059+/-0.012 χ^2/NDF:228974.4/18

+ sign -3.207+/-0.011 χ^2/NDF: 1265533.3/35

All: -3.761+/-0.008 χ^2/NDF: 2129920.6/73

- sign -4.300+/-0.011 χ^2/NDF: 859394.5/37

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 201.428+/-1.027 χ^2/NDF:2518.8/19

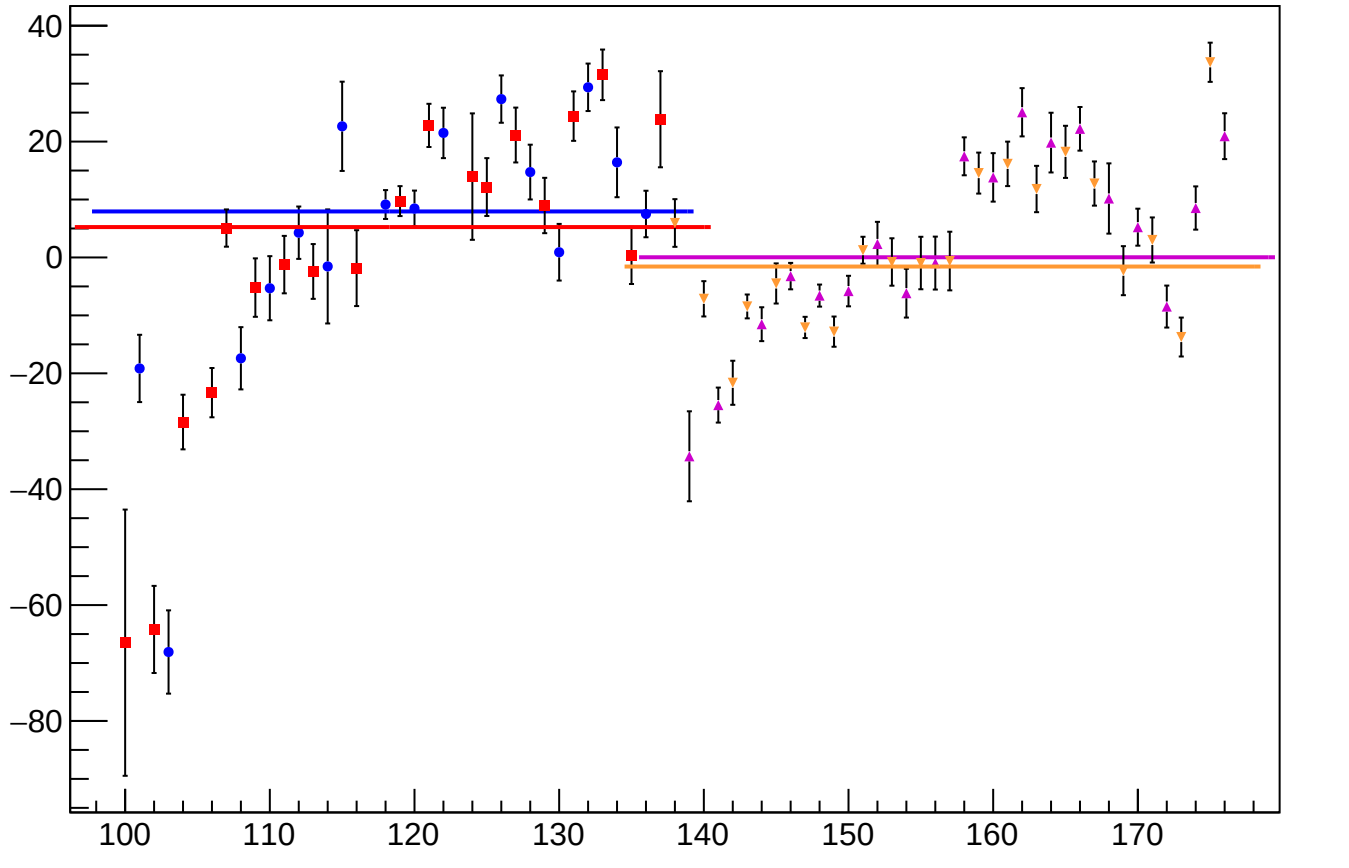
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 218.757+/-1.094 χ^2/NDF:925.7/18

+ sign 191.647+/-0.747 χ^2/NDF: 3705.1/35

All: 191.393+/-0.528 χ^2/NDF: 7307.1/73

- sign 191.139+/-0.746 χ^2/NDF: 3601.8/37



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.569+/-0.714 χ^2/NDF:309.4/19

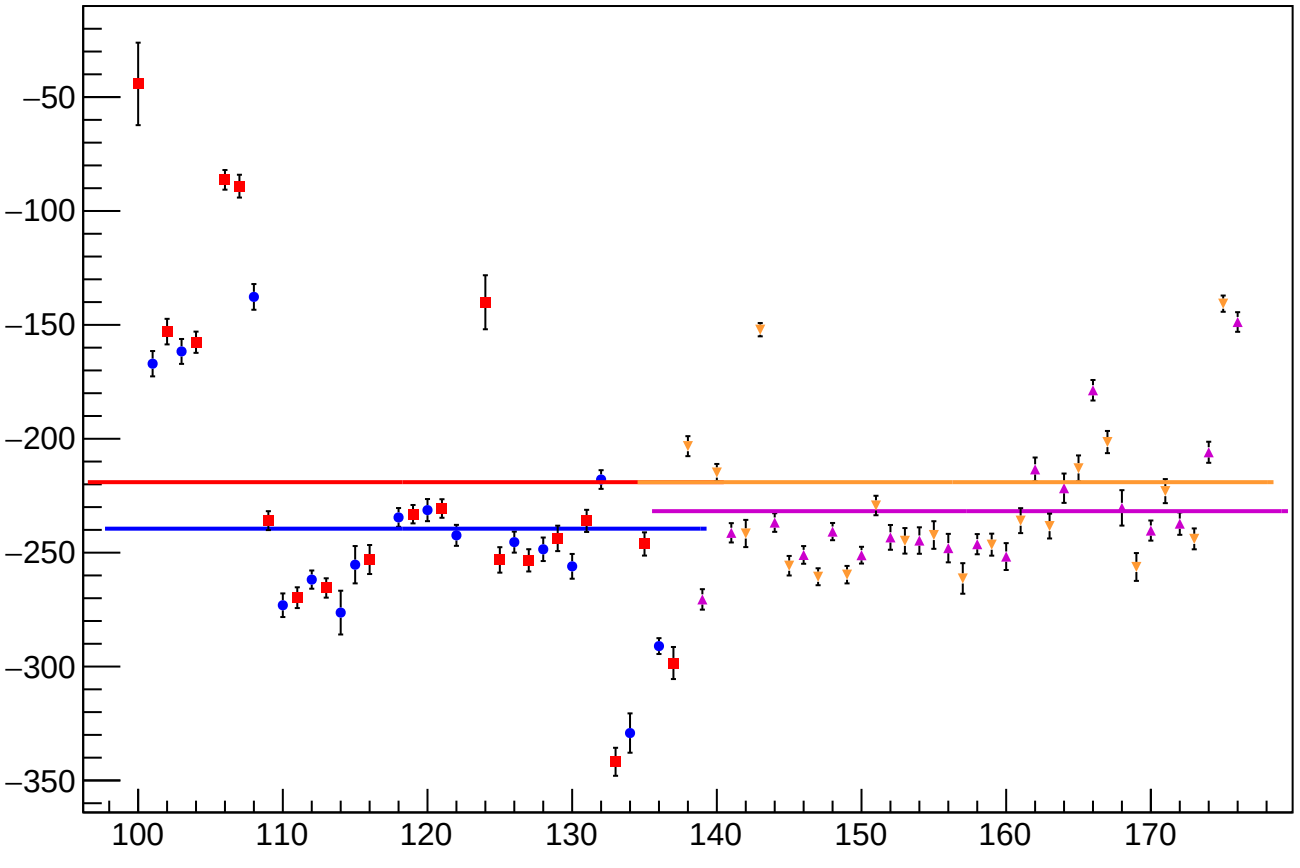
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.032+/-0.771 χ^2/NDF:296.8/18

+ sign 1.206+/-0.601 χ^2/NDF: 594.0/35

All: 1.507+/-0.433 χ^2/NDF: 1210.0/73

- sign 1.831+/-0.624 χ^2/NDF: 615.5/37



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -219.052+/-1.015 χ^2/NDF:1562.7/19

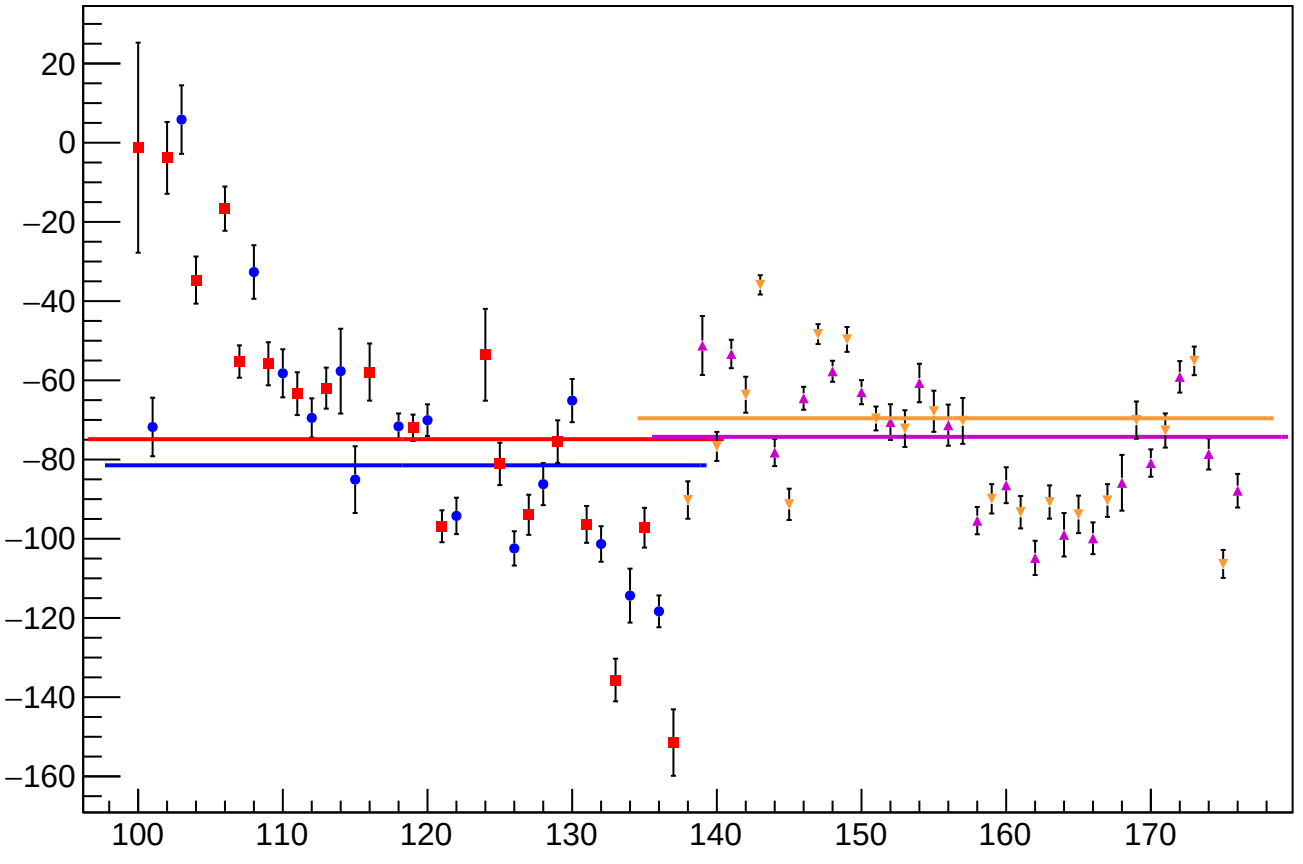
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -231.782+/-1.076 χ^2/NDF:738.0/18

\+ sign -227.203+/-0.787 χ^2/NDF: 2886.4/35

All: -226.599+/-0.559 χ^2/NDF: 6738.6/73

\- sign -225.984+/-0.794 χ^2/NDF: 3851.0/37



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.577+/-0.836 χ^2/NDF:623.5/19

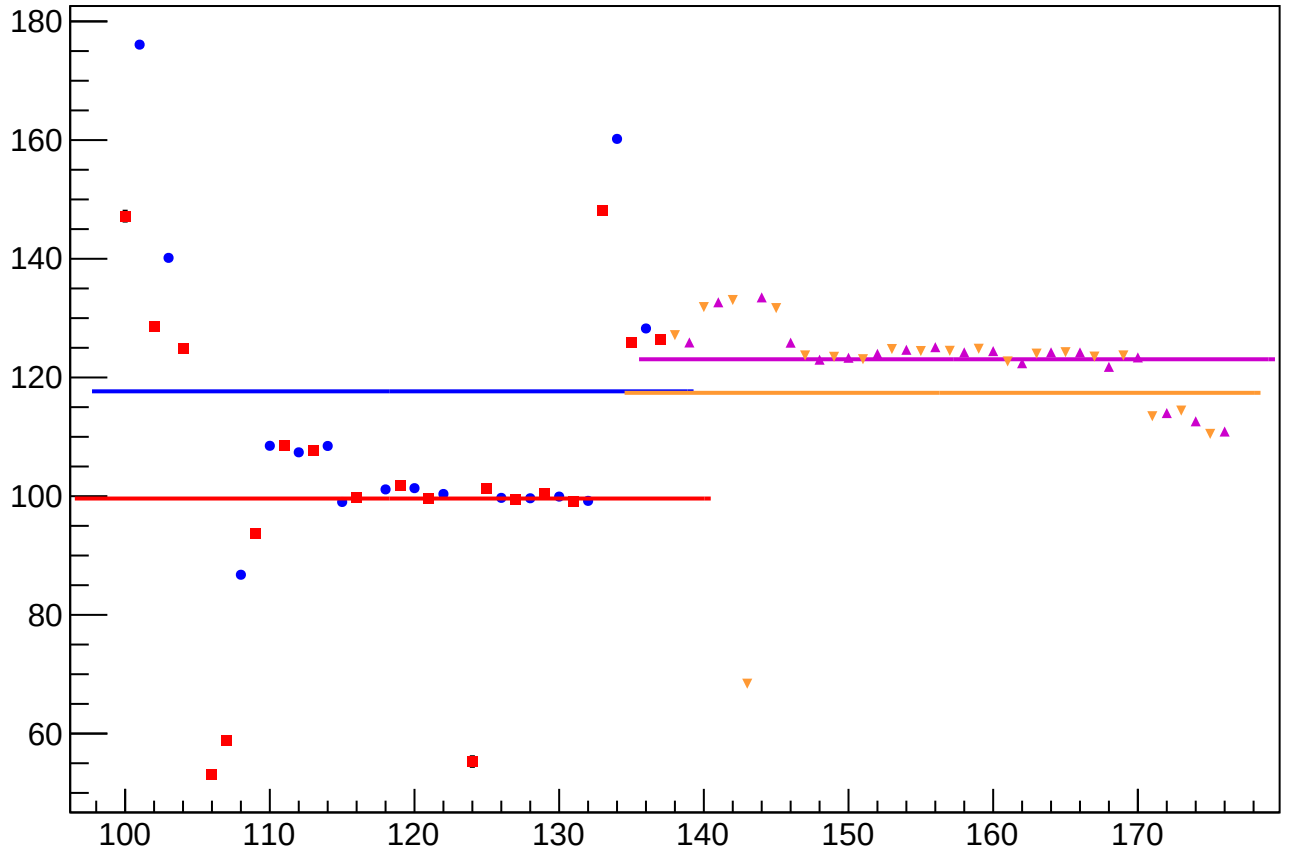
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.266+/-0.895 χ^2/NDF:306.0/18

\+ sign -73.104+/-0.701 χ^2/NDF: 1050.0/35

All: -73.766+/-0.504 χ^2/NDF: 1934.6/73

\- sign -74.472+/-0.724 χ^2/NDF: 882.8/37



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.415+/-0.040 χ^2/NDF:201096.2/19

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

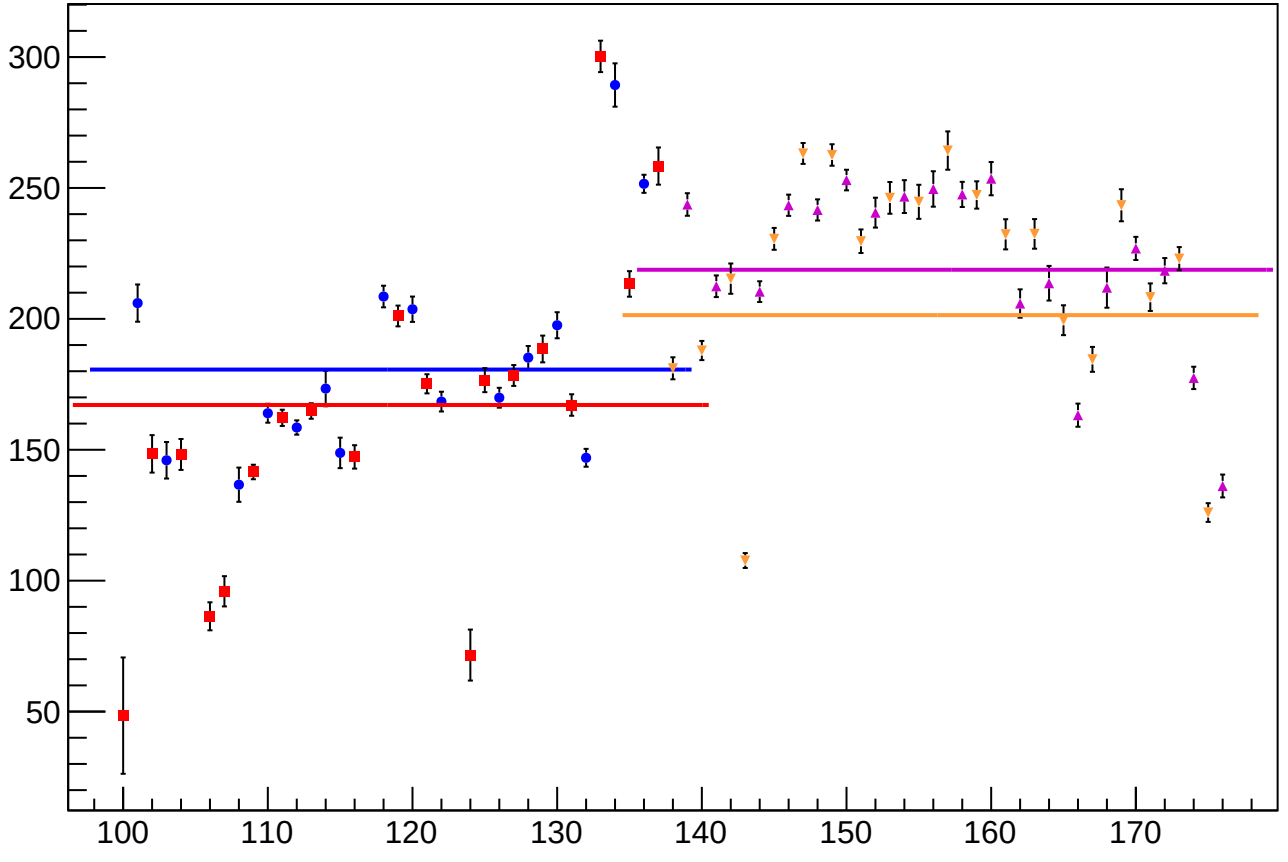
Left In: 123.069+/-0.041 χ^2/NDF:18761.7/18

+ sign 117.466+/-0.035 χ^2/NDF: 296501.6/35

All: 117.308+/-0.025 χ^2/NDF: 564840.0/73

- sign 117.151+/-0.035 χ^2/NDF: 268298.6/37

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: 201.428+/-1.027 χ^2/NDF:2518.8/19

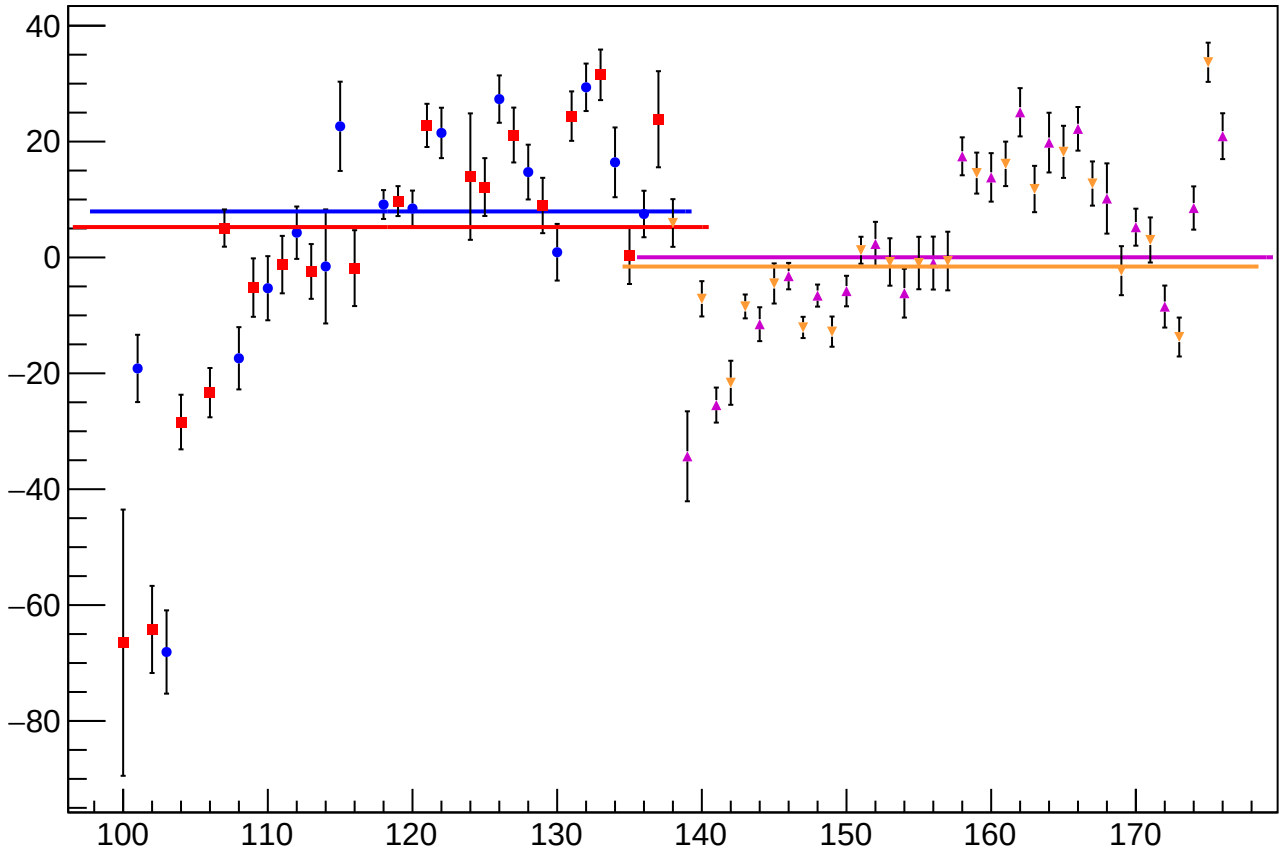
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 218.757+/-1.094 χ^2/NDF:925.7/18

+ sign 191.647+/-0.747 χ^2/NDF: 3705.1/35

All: 191.393+/-0.528 χ^2/NDF: 7307.1/73

- sign 191.139+/-0.746 χ^2/NDF: 3601.8/37



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.569+/-0.714 χ^2/NDF:309.4/19

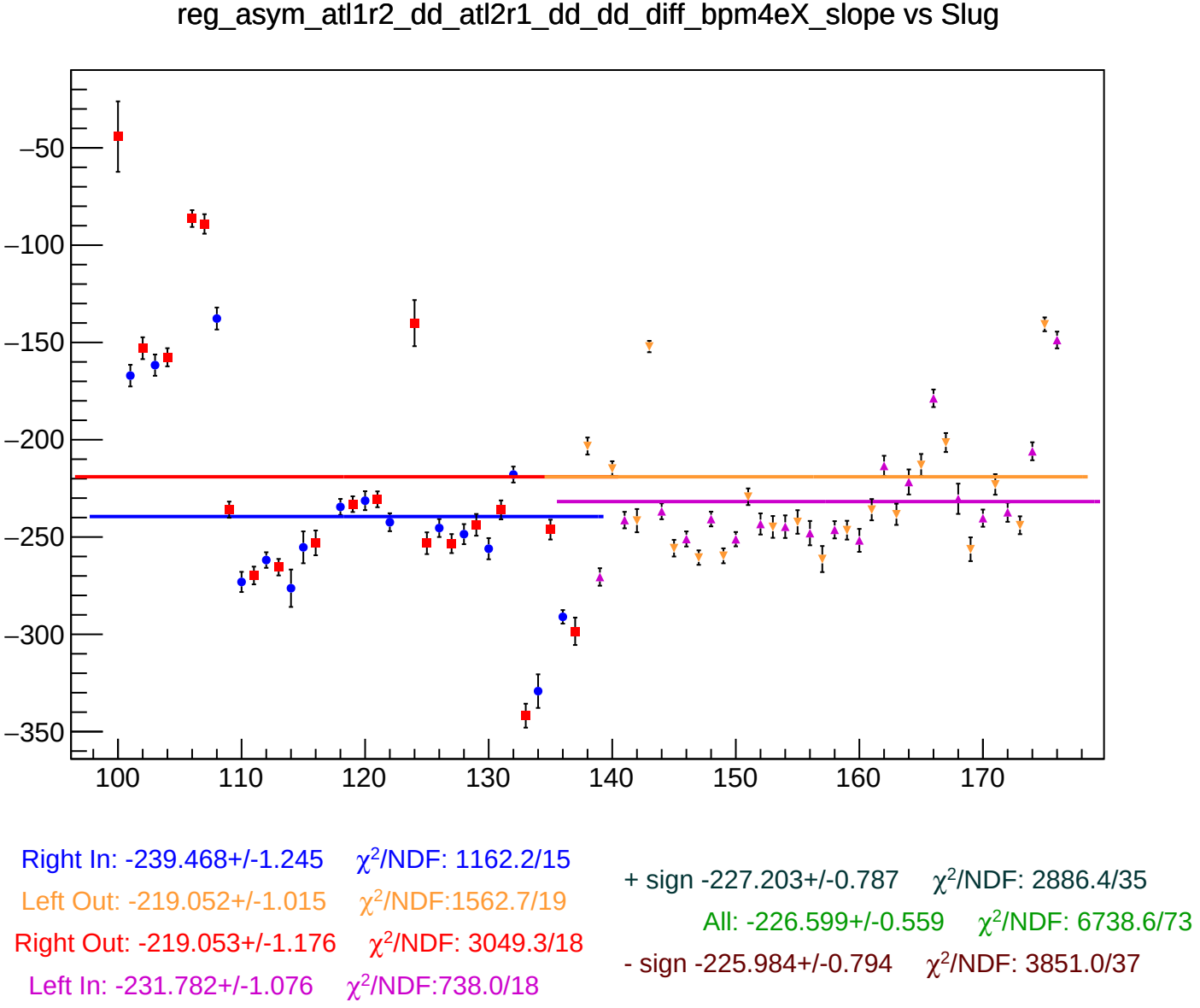
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

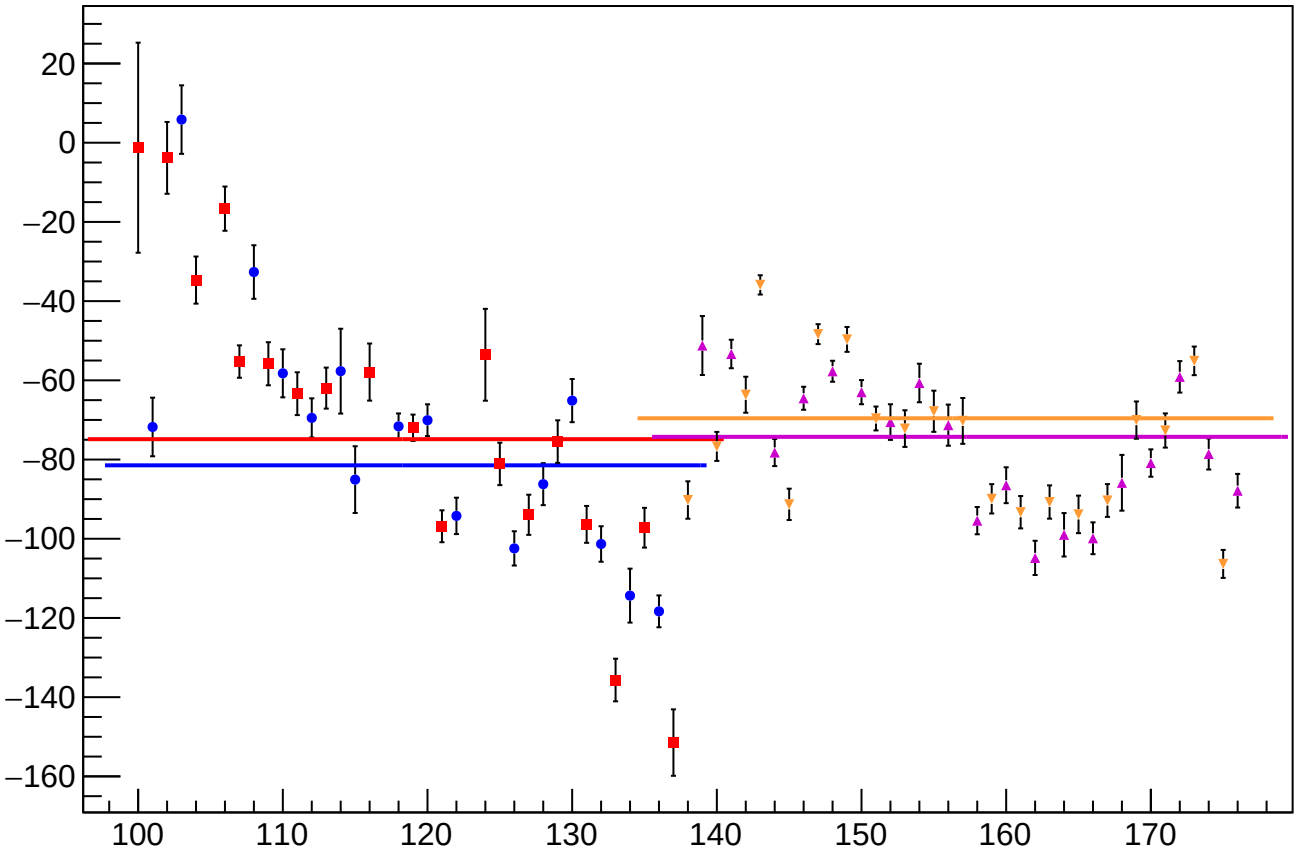
Left In: 0.032+/-0.771 χ^2/NDF:296.8/18

+ sign 1.206+/-0.601 χ^2/NDF: 594.0/35

All: 1.507+/-0.433 χ^2/NDF: 1210.0/73

- sign 1.831+/-0.624 χ^2/NDF: 615.5/37


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
170
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -219.052+/-1.015 χ²/NDF:1562.7/19
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -231.782+/-1.076 χ²/NDF:738.0/18
+ sign -227.203+/-0.787 χ²/NDF: 2886.4/35
All: -226.599+/-0.559 χ²/NDF: 6738.6/73
- sign -225.984+/-0.794 χ²/NDF: 3851.0/37



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.577+/-0.836 χ^2/NDF:623.5/19

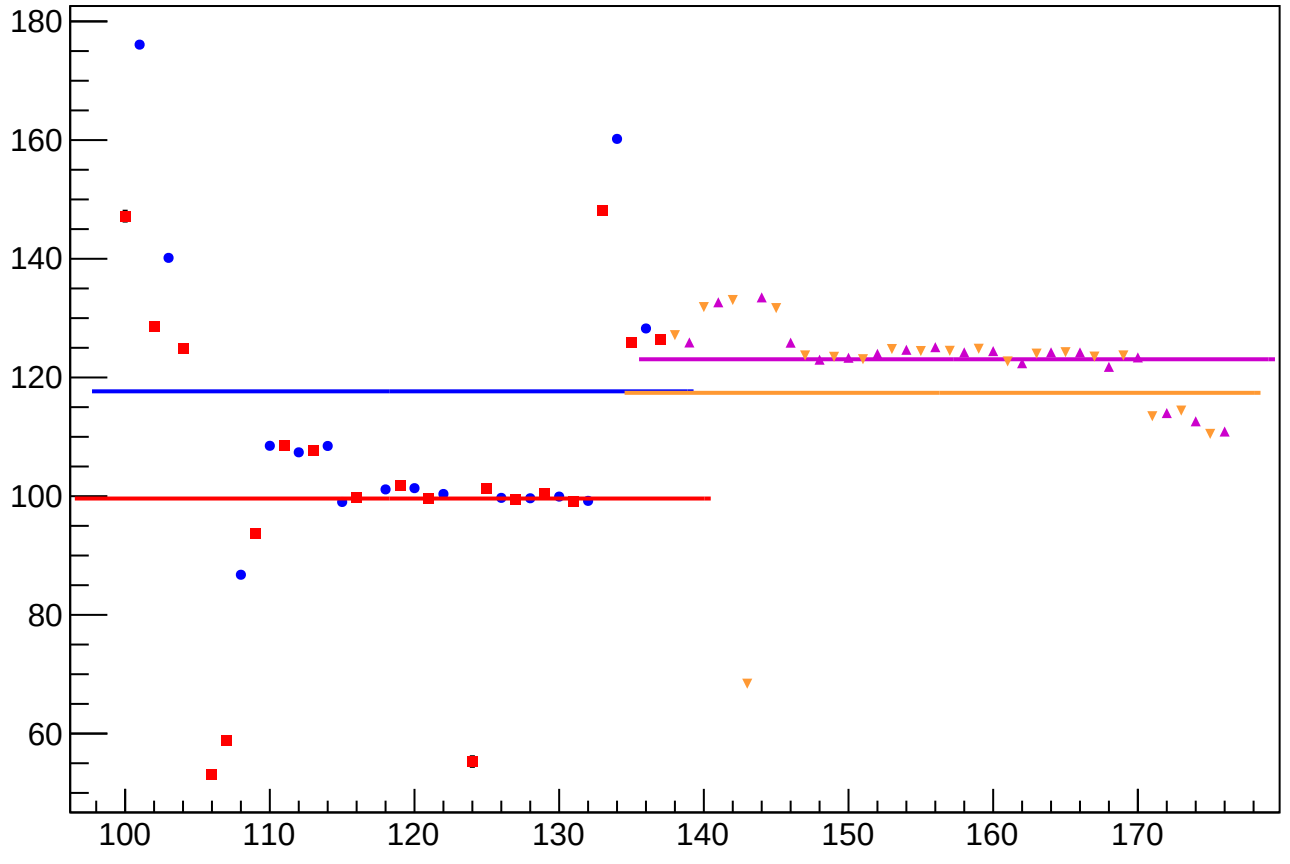
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.266+/-0.895 χ^2/NDF:306.0/18

\+ sign -73.104+/-0.701 χ^2/NDF: 1050.0/35

All: -73.766+/-0.504 χ^2/NDF: 1934.6/73

\- sign -74.472+/-0.724 χ^2/NDF: 882.8/37



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.415+/-0.040 χ^2/NDF:201096.2/19

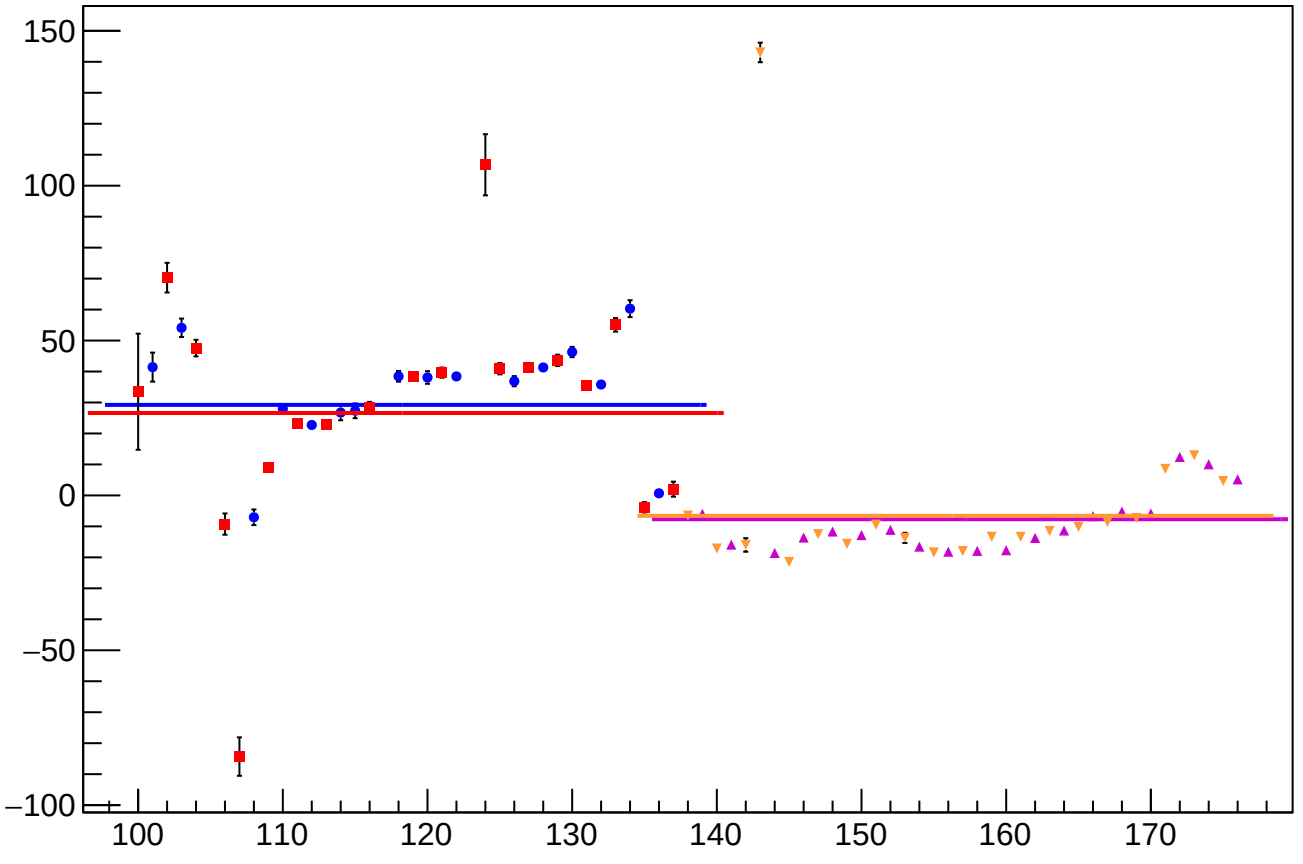
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.069+/-0.041 χ^2/NDF:18761.7/18

+ sign 117.466+/-0.035 χ^2/NDF: 296501.6/35

All: 117.308+/-0.025 χ^2/NDF: 564840.0/73

- sign 117.151+/-0.035 χ^2/NDF: 268298.6/37



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -6.582+/-0.320 χ^2/NDF:3157.2/19

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

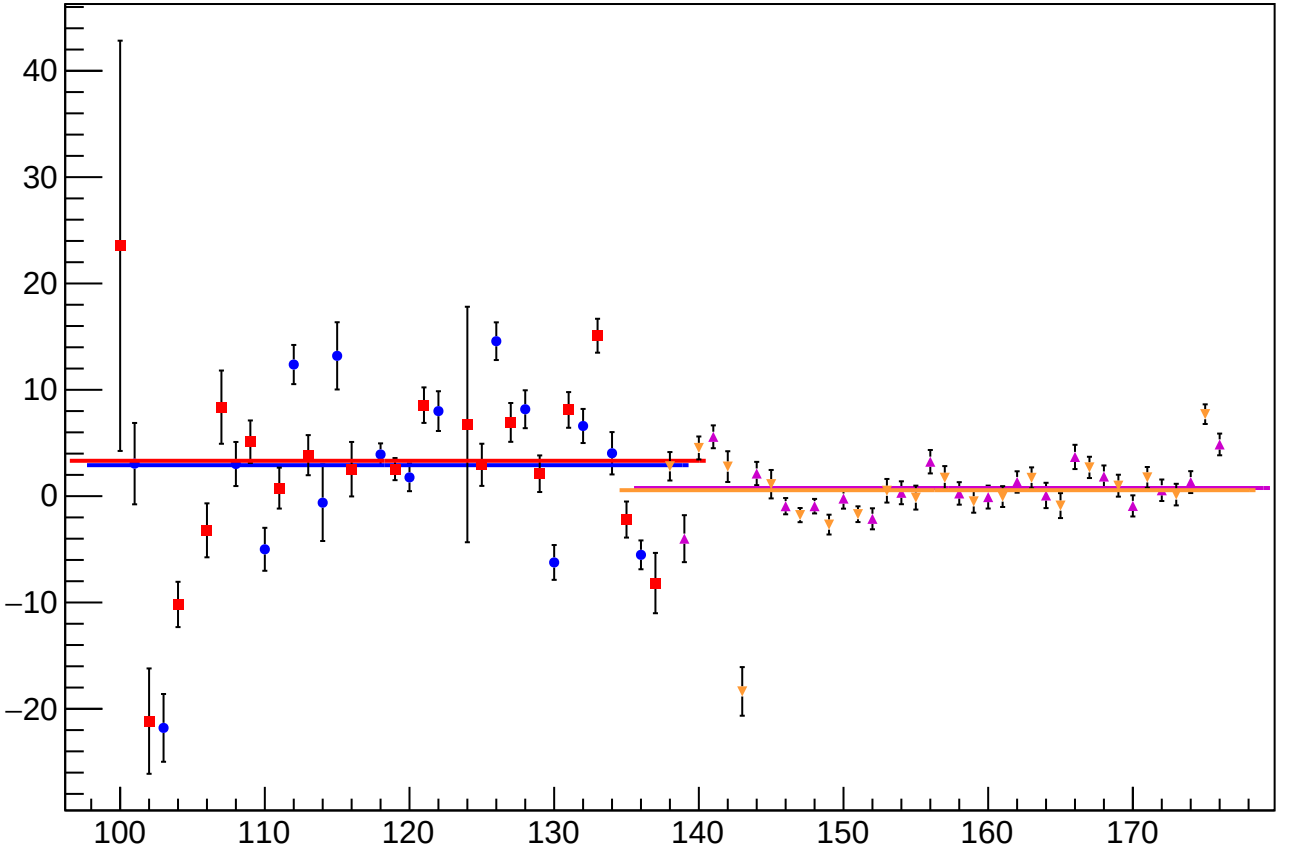
Left In: -7.692+/-0.317 χ^2/NDF:911.9/18

+ sign 6.407+/-0.256 χ^2/NDF: 9040.3/35

All: 5.691+/-0.179 χ^2/NDF: 16211.8/73

- sign 4.996+/-0.252 χ^2/NDF: 7156.0/37

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.561+/-0.229 χ^2/NDF:193.1/19

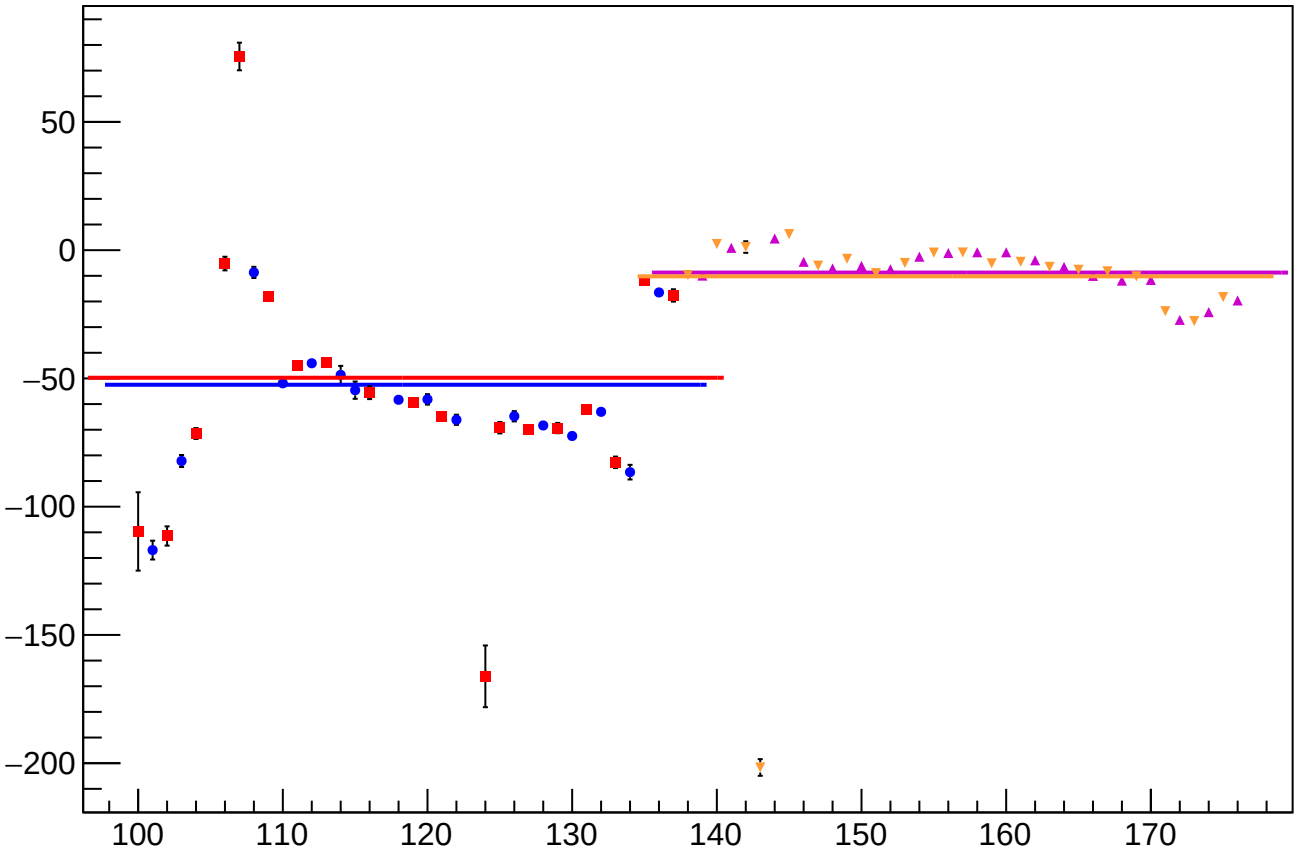
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.766+/-0.232 χ^2/NDF:80.9/18

+ sign 1.057+/-0.203 χ^2/NDF: 465.3/35

All: 1.175+/-0.145 χ^2/NDF: 754.0/73

- sign 1.296+/-0.206 χ^2/NDF: 288.0/37



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -10.204+/-0.314 χ^2/NDF:4213.8/19

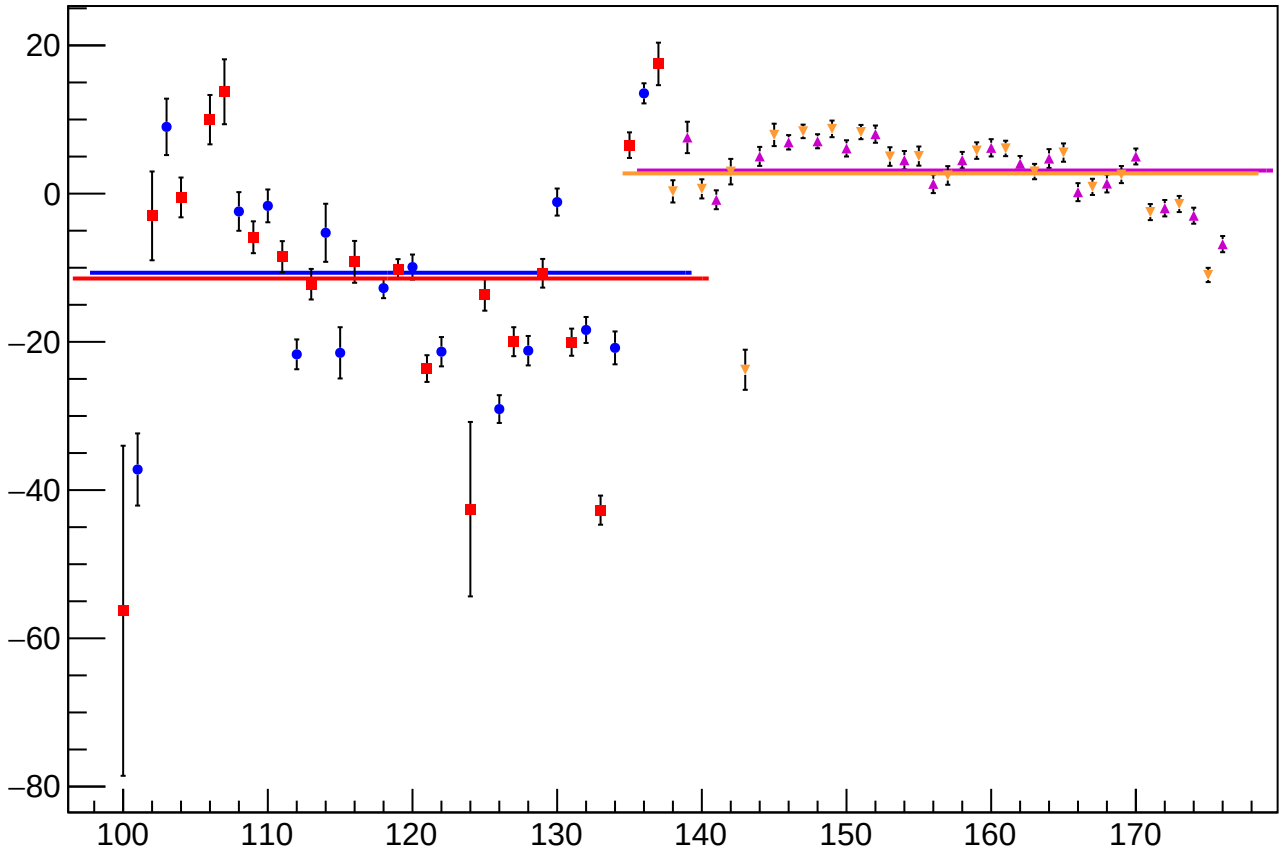
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -8.731+/-0.312 χ^2/NDF:694.5/18

+ sign -22.605+/-0.264 χ^2/NDF: 11848.4/35

All: -21.519+/-0.187 χ^2/NDF: 20508.2/73

- sign -20.435+/-0.264 χ^2/NDF: 8626.0/37



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 2.728+/-0.262 χ^2/NDF:486.8/19

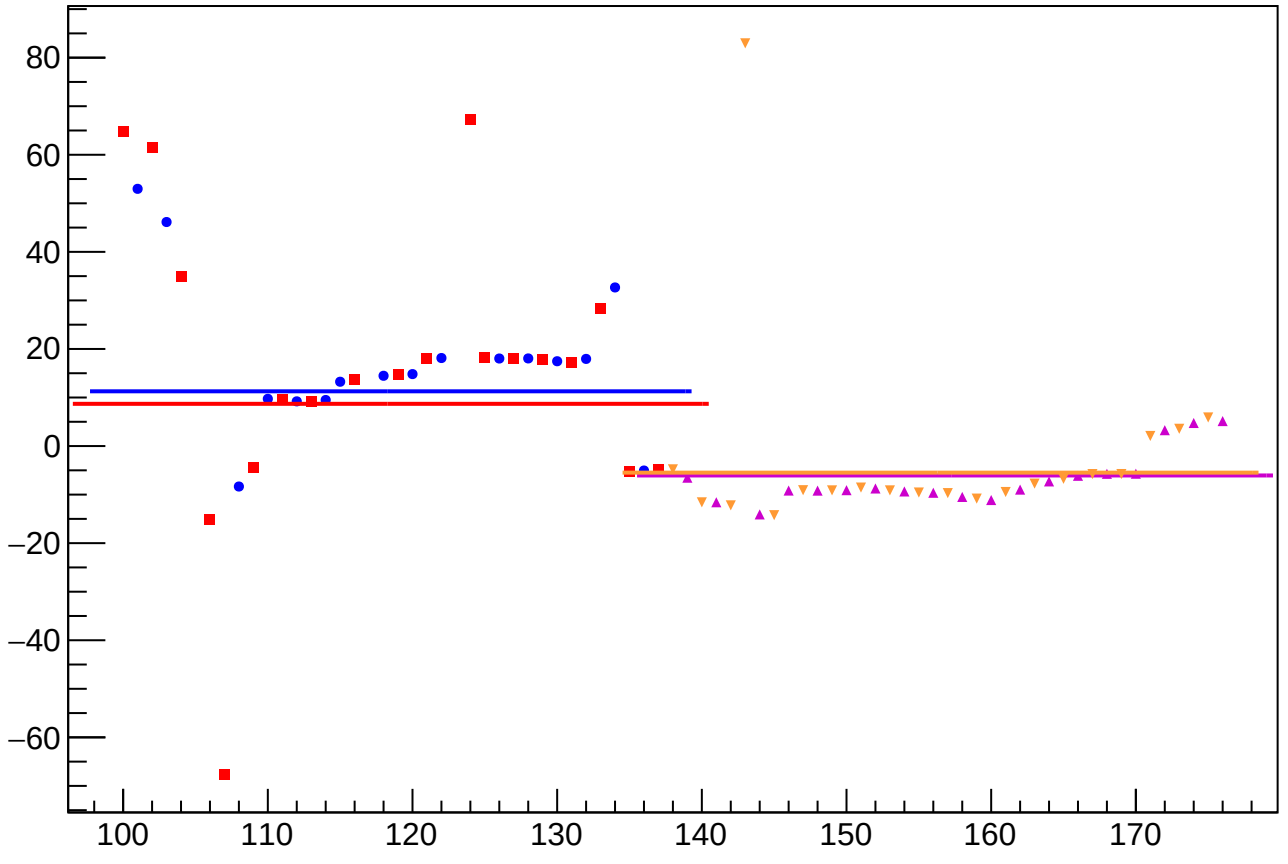
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 3.117+/-0.264 χ^2/NDF:234.9/18

\+ sign -0.108+/-0.233 χ^2/NDF: 1707.5/35

All: -0.011+/-0.165 χ^2/NDF: 3239.6/73

\- sign 0.088+/-0.235 χ^2/NDF: 1531.8/37



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -5.475+/-0.012 χ^2/NDF:645189.5/19

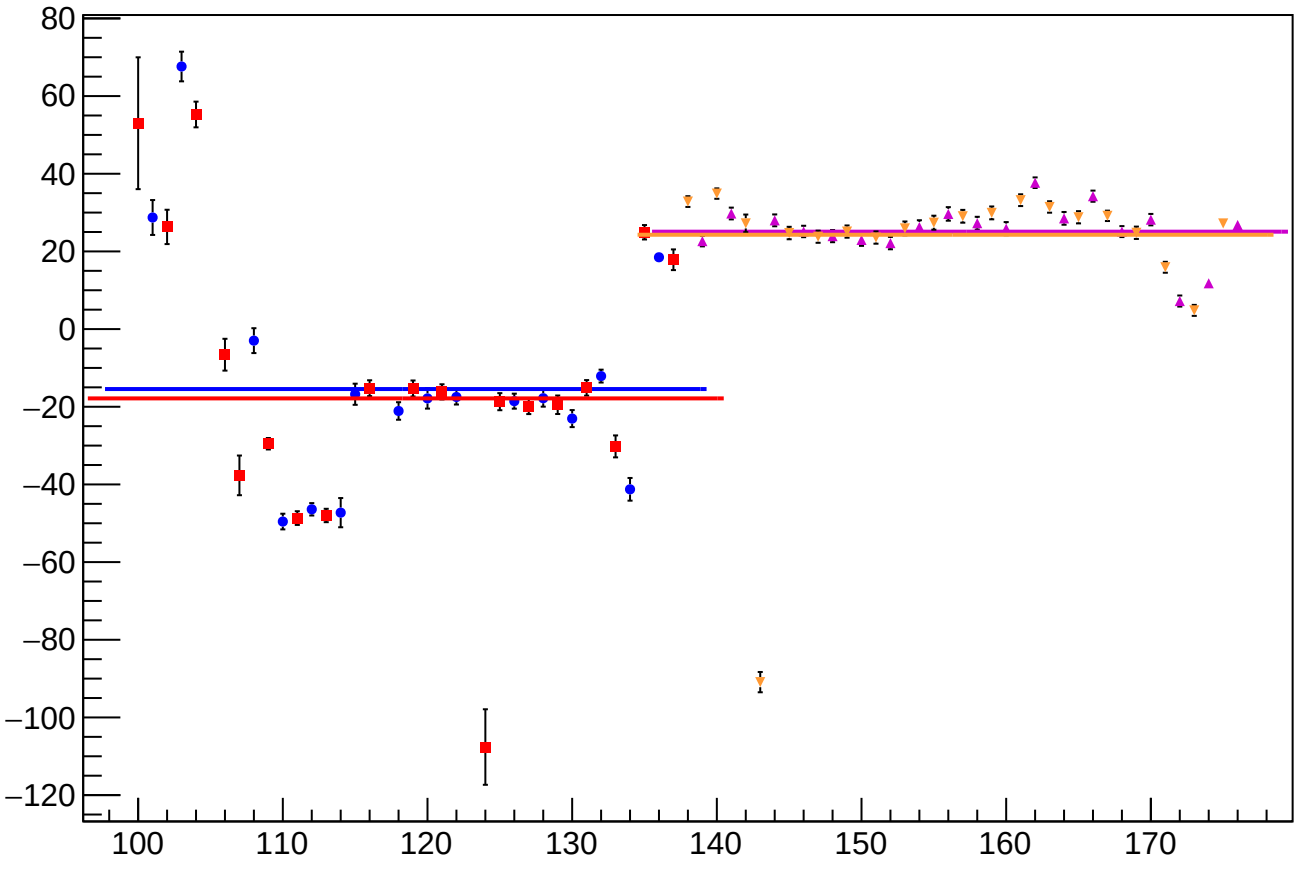
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.059+/-0.012 χ^2/NDF:228974.4/18

\+ sign -3.207+/-0.011 χ^2/NDF: 1265533.3/35

All: -3.761+/-0.008 χ^2/NDF: 2129920.6/73

\- sign -4.300+/-0.011 χ^2/NDF: 859394.5/37



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.293+/-0.342 χ^2/NDF:2383.3/19

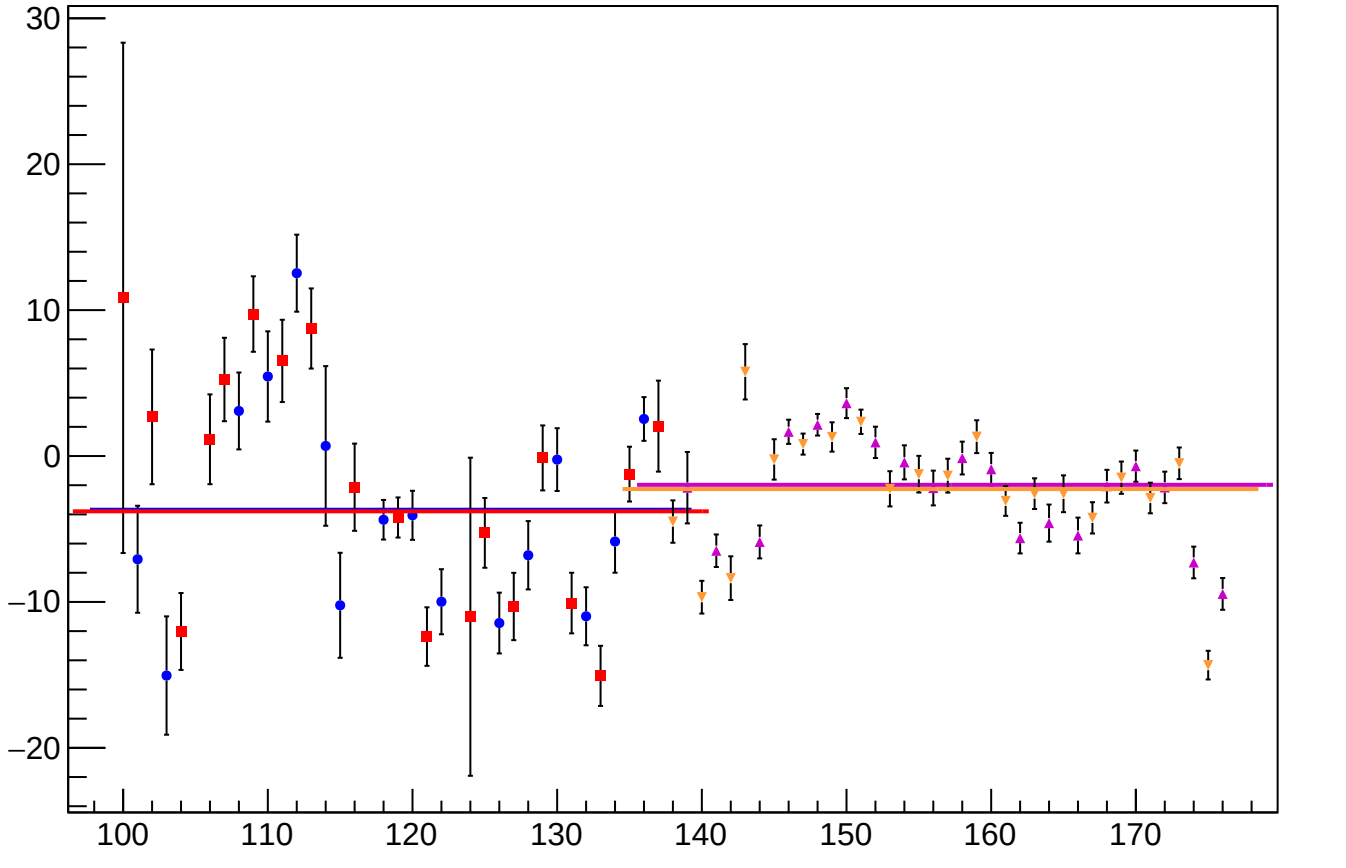
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.084+/-0.339 χ^2/NDF:442.4/18

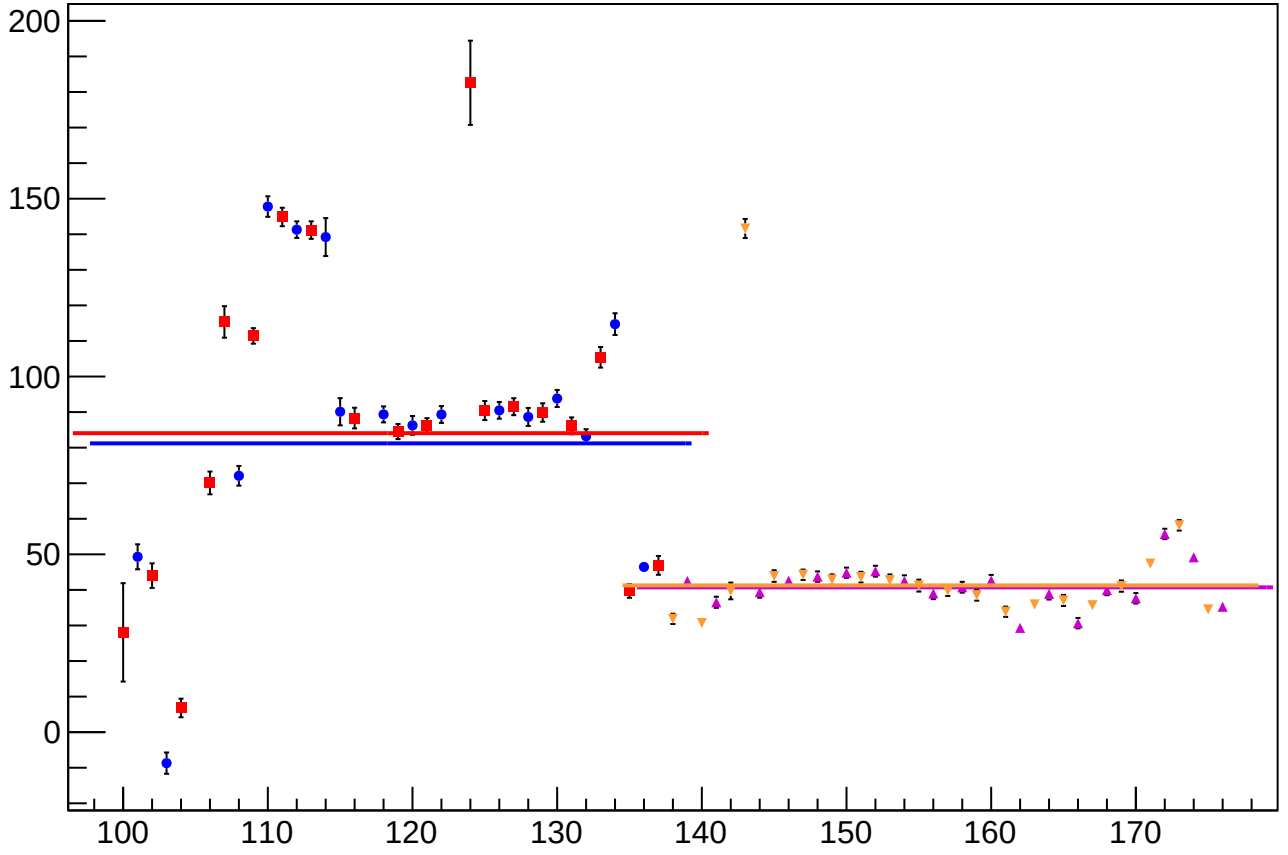
+ sign 12.907+/-0.289 χ^2/NDF: 8383.3/35

All: 12.743+/-0.203 χ^2/NDF: 15608.8/73

- sign 12.582+/-0.286 χ^2/NDF: 7224.9/37


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -2.263+/-0.245 χ²/NDF:314.2/19
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -1.974+/-0.248 χ²/NDF:218.1/18
+ sign -2.496+/-0.224 χ²/NDF: 443.7/35
All: -2.383+/-0.159 χ²/NDF: 832.2/73
- sign -2.268+/-0.227 χ²/NDF: 388.0/37

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.271+/-0.336 χ^2/NDF:1769.6/19

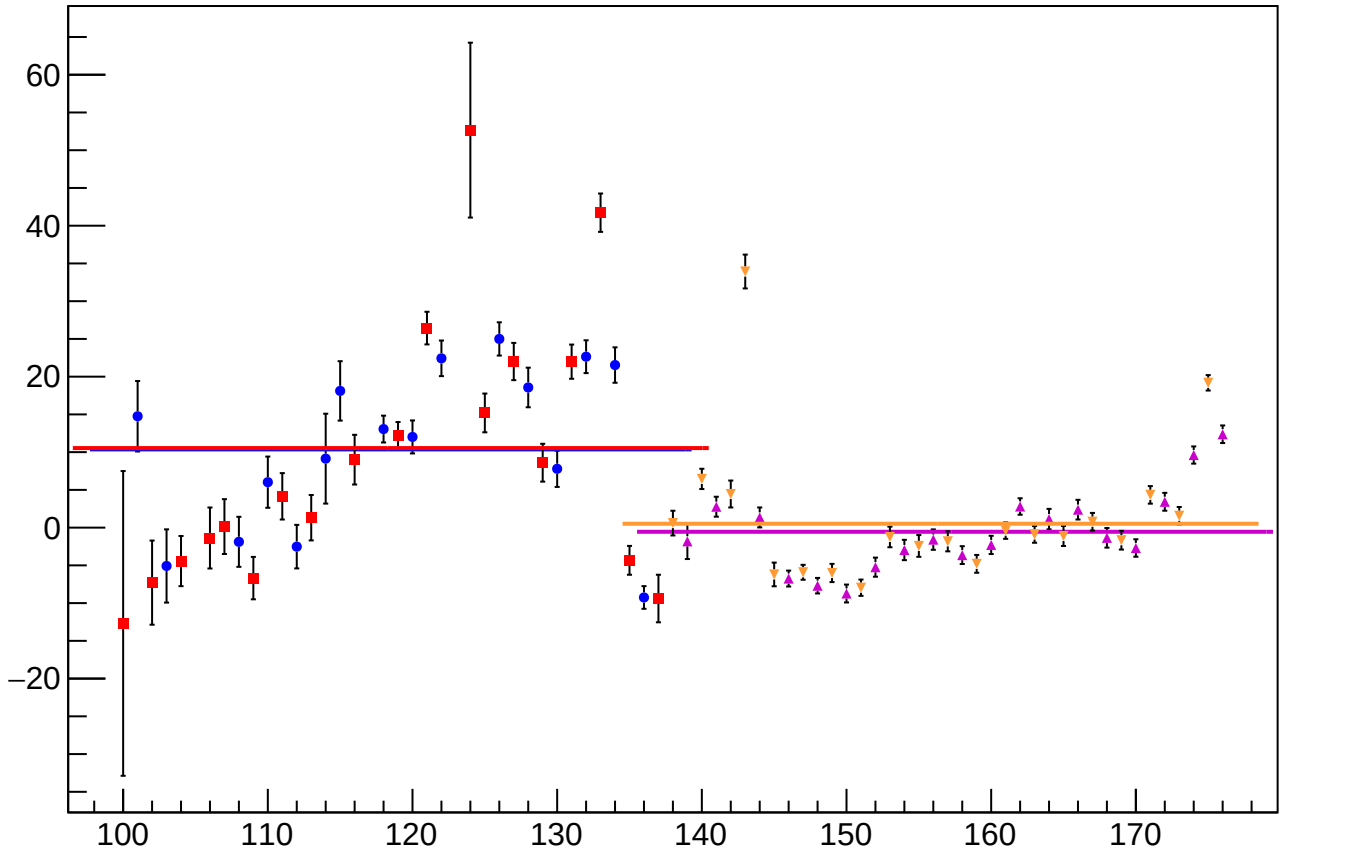
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

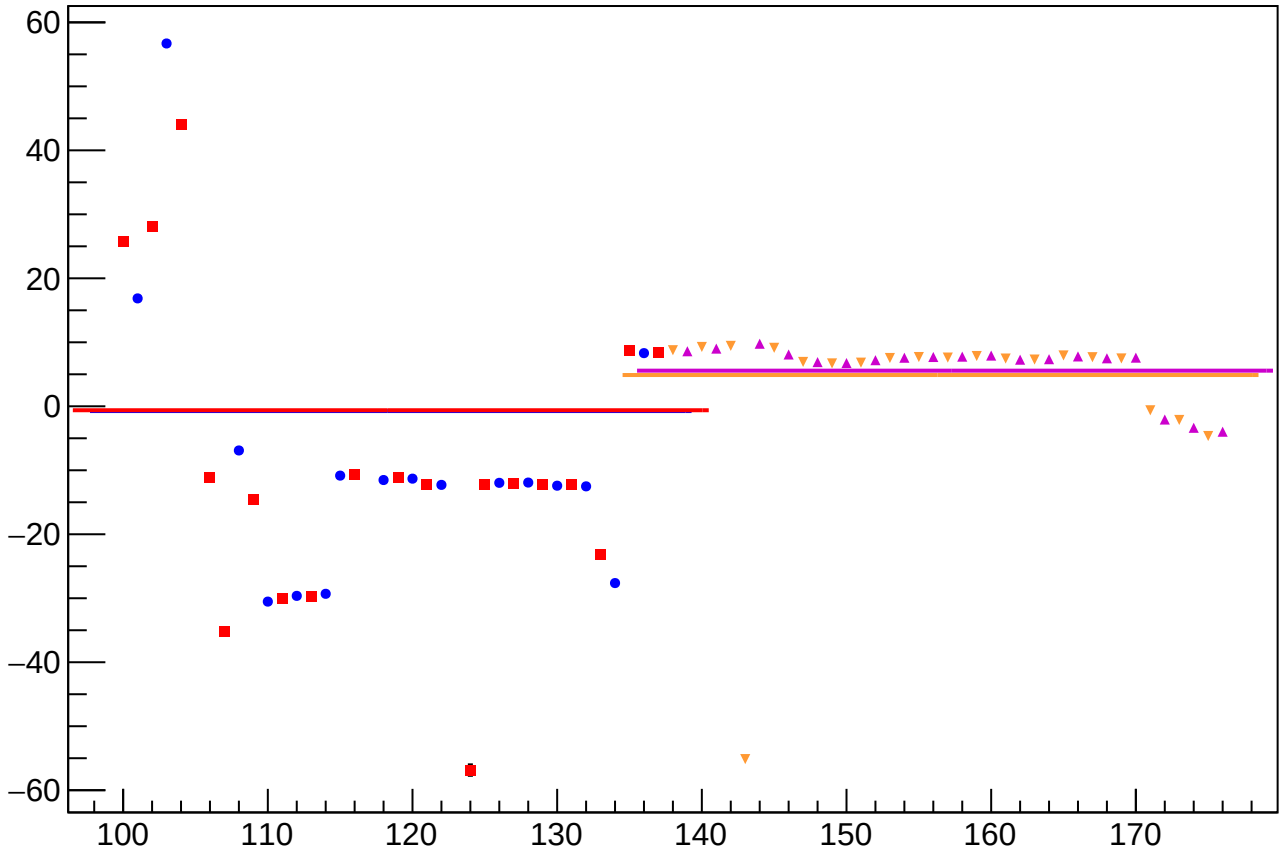
Left In: 40.717+/-0.334 χ^2/NDF:333.6/18

\+ sign 50.626+/-0.294 χ^2/NDF: 8313.4/35

All: 50.596+/-0.208 χ^2/NDF: 15676.8/73

\- sign 50.567+/-0.294 χ^2/NDF: 7363.4/37


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 0.516+/-0.280 χ²/NDF:778.6/19
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -0.550+/-0.282 χ²/NDF:399.0/18
+ sign 2.155+/-0.256 χ²/NDF: 1344.4/35
All: 1.711+/-0.182 χ²/NDF: 2471.4/73
- sign 1.257+/-0.258 χ²/NDF: 1120.8/37



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.886+/-0.013 χ^2/NDF:403470.8/19

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

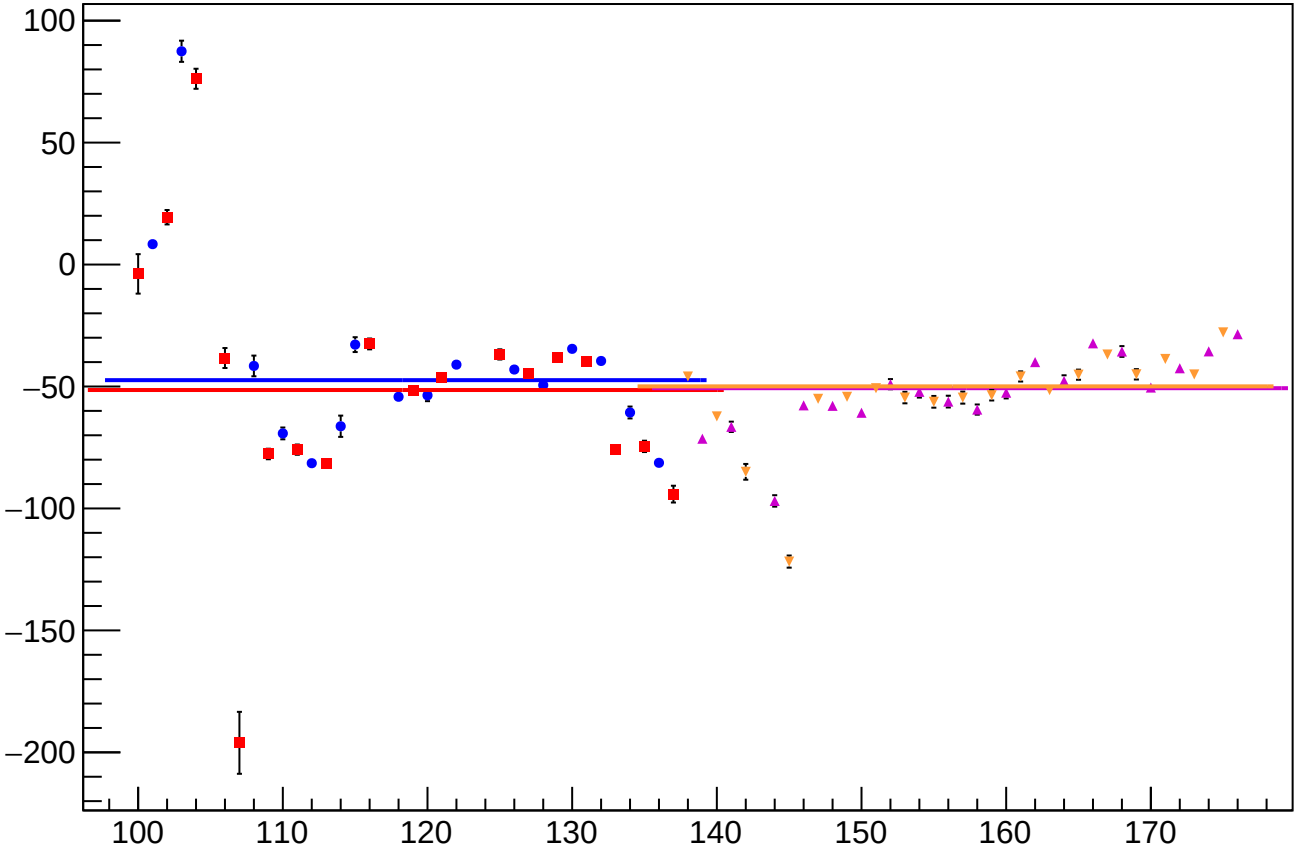
Left In: 5.569+/-0.012 χ^2/NDF:127182.5/18

+ sign 4.262+/-0.012 χ^2/NDF: 793363.8/35

All: 4.614+/-0.008 χ^2/NDF: 1263496.5/73

- sign 4.956+/-0.012 χ^2/NDF: 468418.1/37

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -49.945+/-0.457 χ^2/NDF:1401.3/18

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

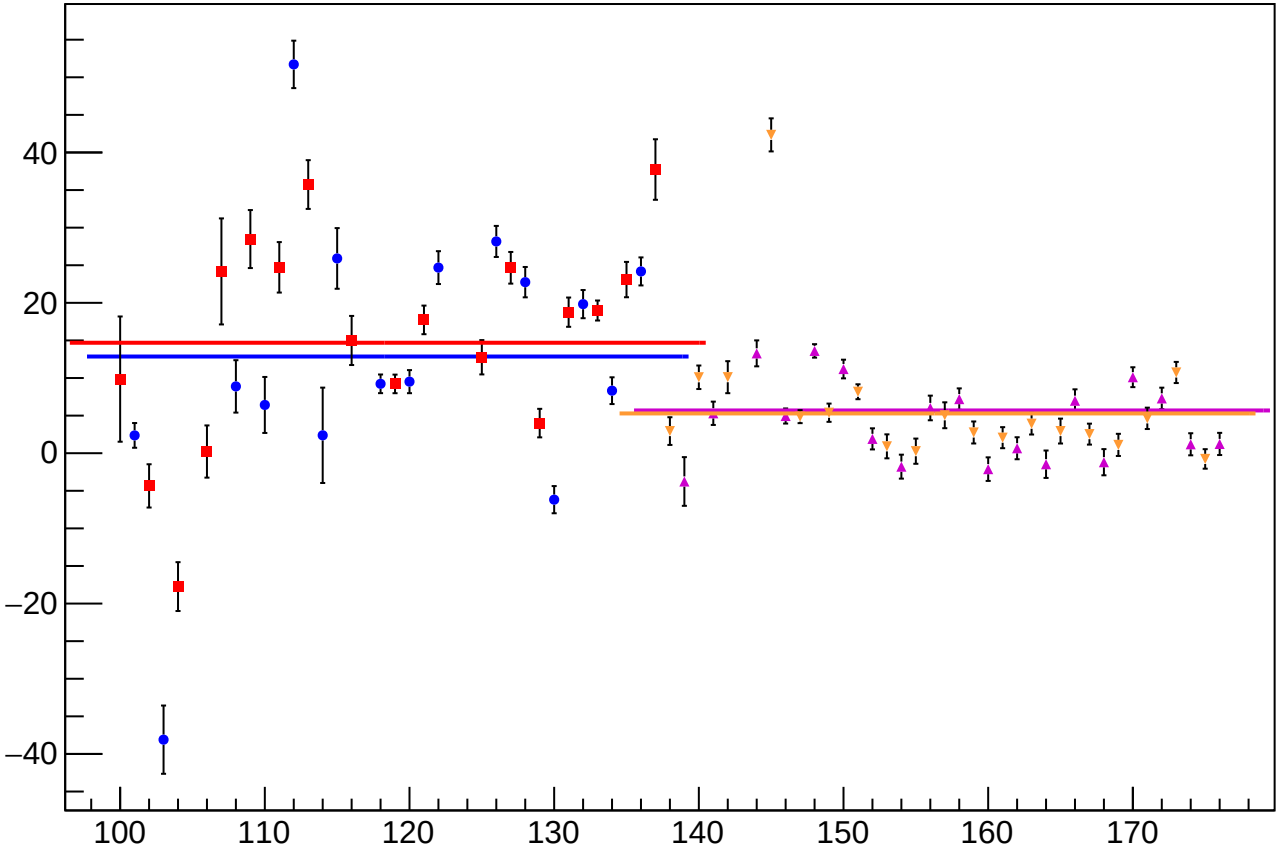
Left In: -50.695+/-0.453 χ^2/NDF:1133.4/18

+ sign -48.871+/-0.347 χ^2/NDF: 4183.4/34

All: -49.933+/-0.246 χ^2/NDF: 8209.4/71

- sign -51.000+/-0.348 χ^2/NDF: 4007.3/36

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.288+/-0.322 χ^2/NDF:385.3/18

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

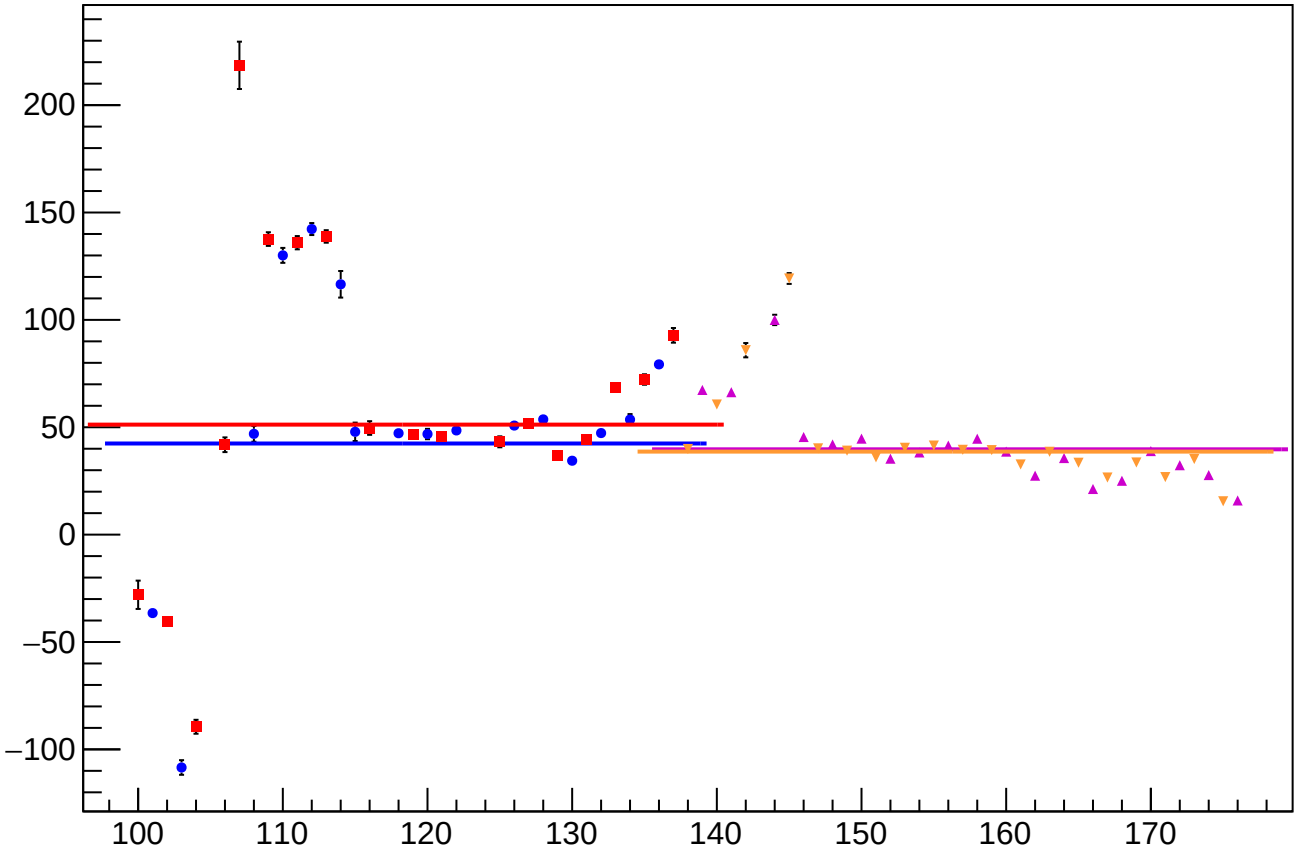
Left In: 5.686+/-0.326 χ^2/NDF:256.0/18

+ sign 7.394+/-0.274 χ^2/NDF: 1164.7/34

All: 7.720+/-0.196 χ^2/NDF: 1989.2/71

- sign 8.061+/-0.280 χ^2/NDF: 821.7/36

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 38.664+/-0.448 χ^2/NDF:1757.9/18

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

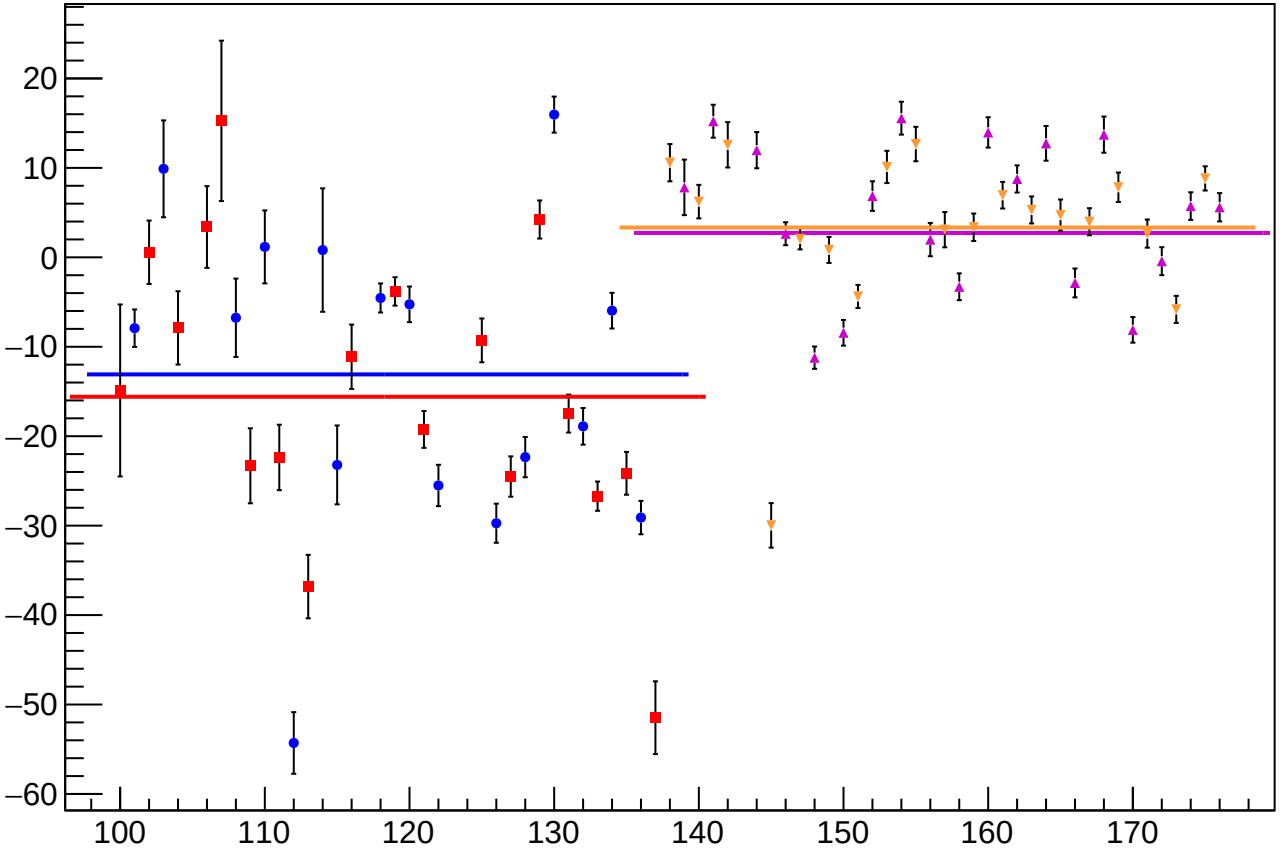
Left In: 39.727+/-0.445 χ^2/NDF:1497.6/18

+ sign 40.061+/-0.356 χ^2/NDF: 8953.0/34

All: 41.845+/-0.253 χ^2/NDF: 17342.6/71

- sign 43.677+/-0.360 χ^2/NDF: 8338.6/36

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.336+/-0.370 χ^2/NDF:353.4/18

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

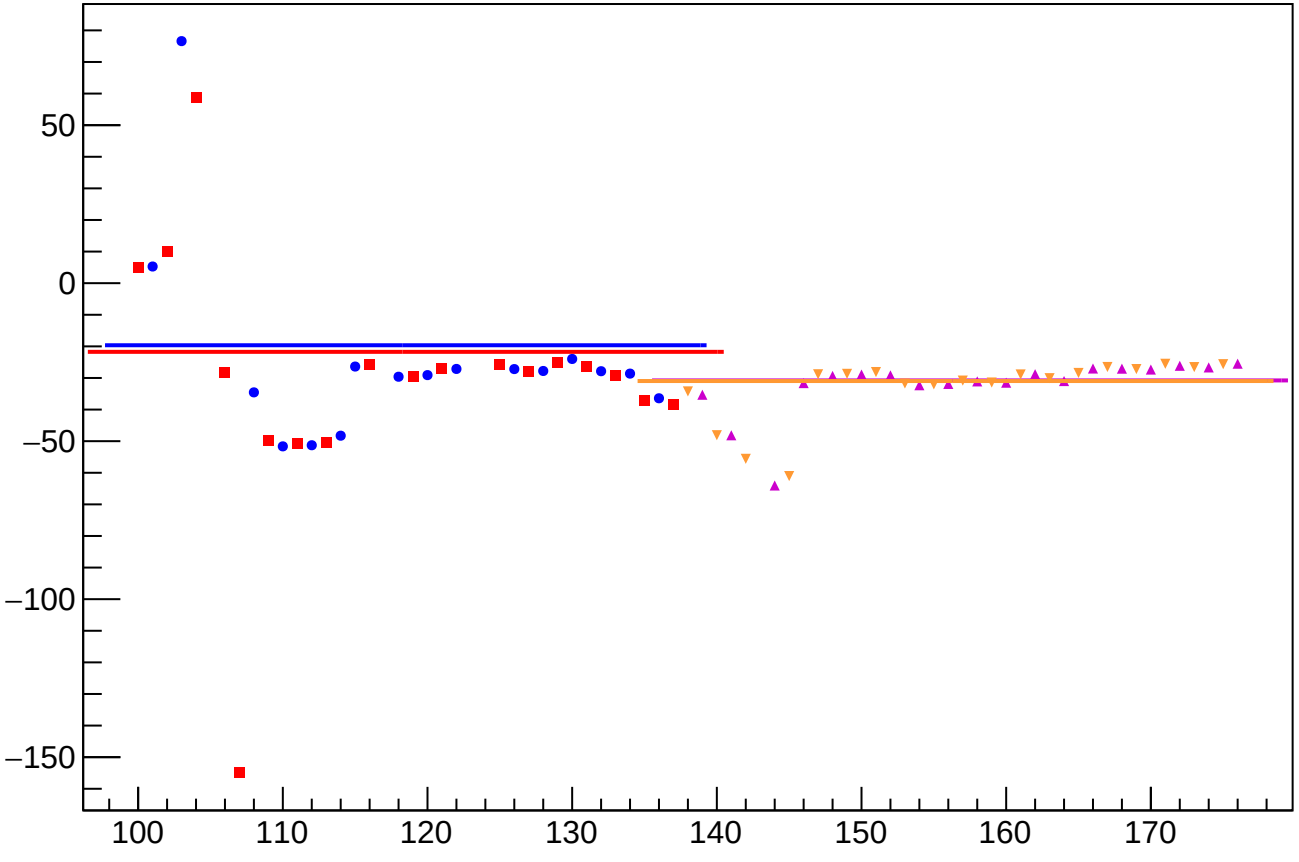
Left In: 2.724+/-0.373 χ^2/NDF:523.1/18

+ sign -1.201+/-0.315 χ^2/NDF: 1536.3/34

All: -1.629+/-0.225 χ^2/NDF: 3095.0/71

- sign -2.072+/-0.321 χ^2/NDF: 1555.0/36

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -30.967+/-0.017 χ^2/NDF:197857.5/18

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

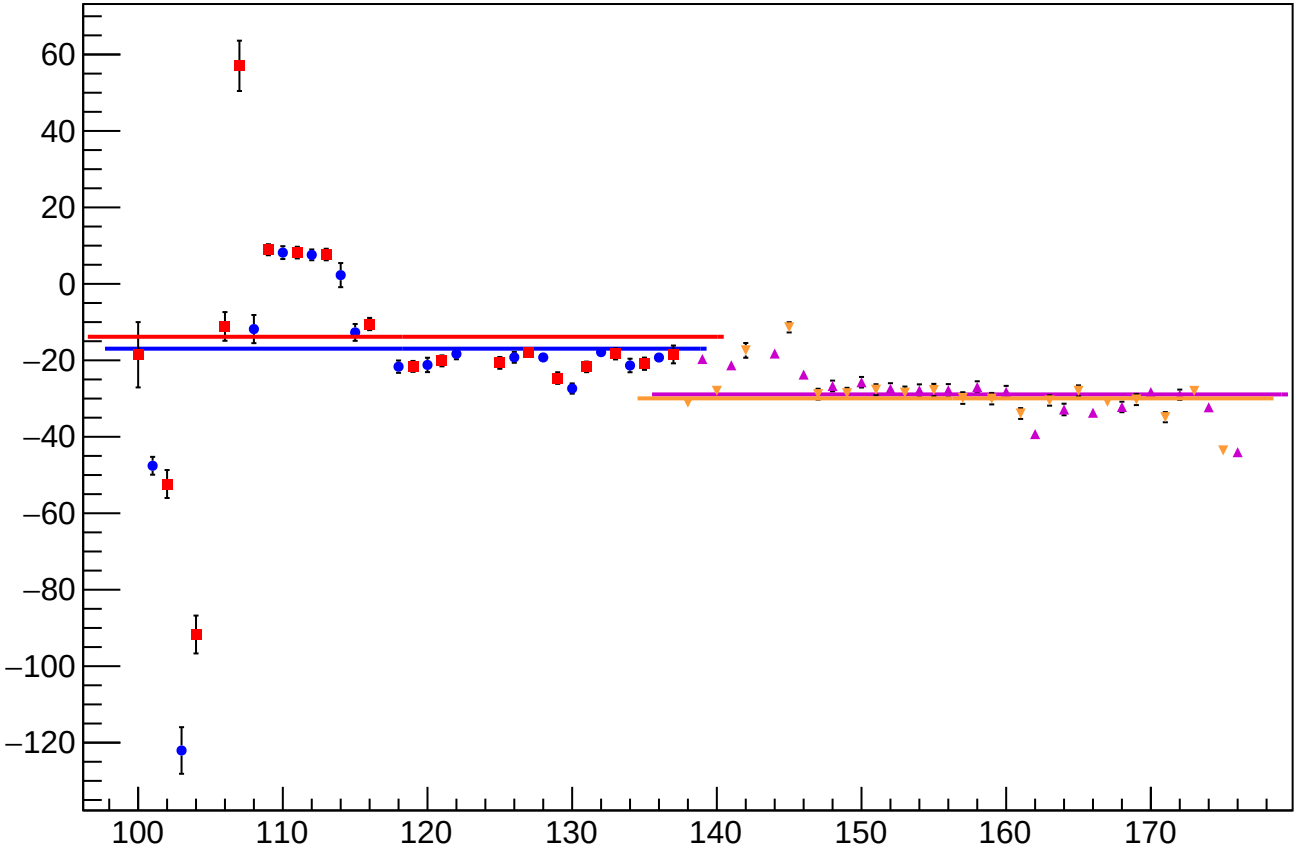
Left In: -30.775+/-0.017 χ^2/NDF:164043.9/18

+ sign -28.919+/-0.015 χ^2/NDF: 925317.5/34

All: -29.154+/-0.011 χ^2/NDF: 1682277.2/71

- sign -29.386+/-0.015 χ^2/NDF: 756494.1/36

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -29.951+/-0.312 χ^2/NDF:471.0/18

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

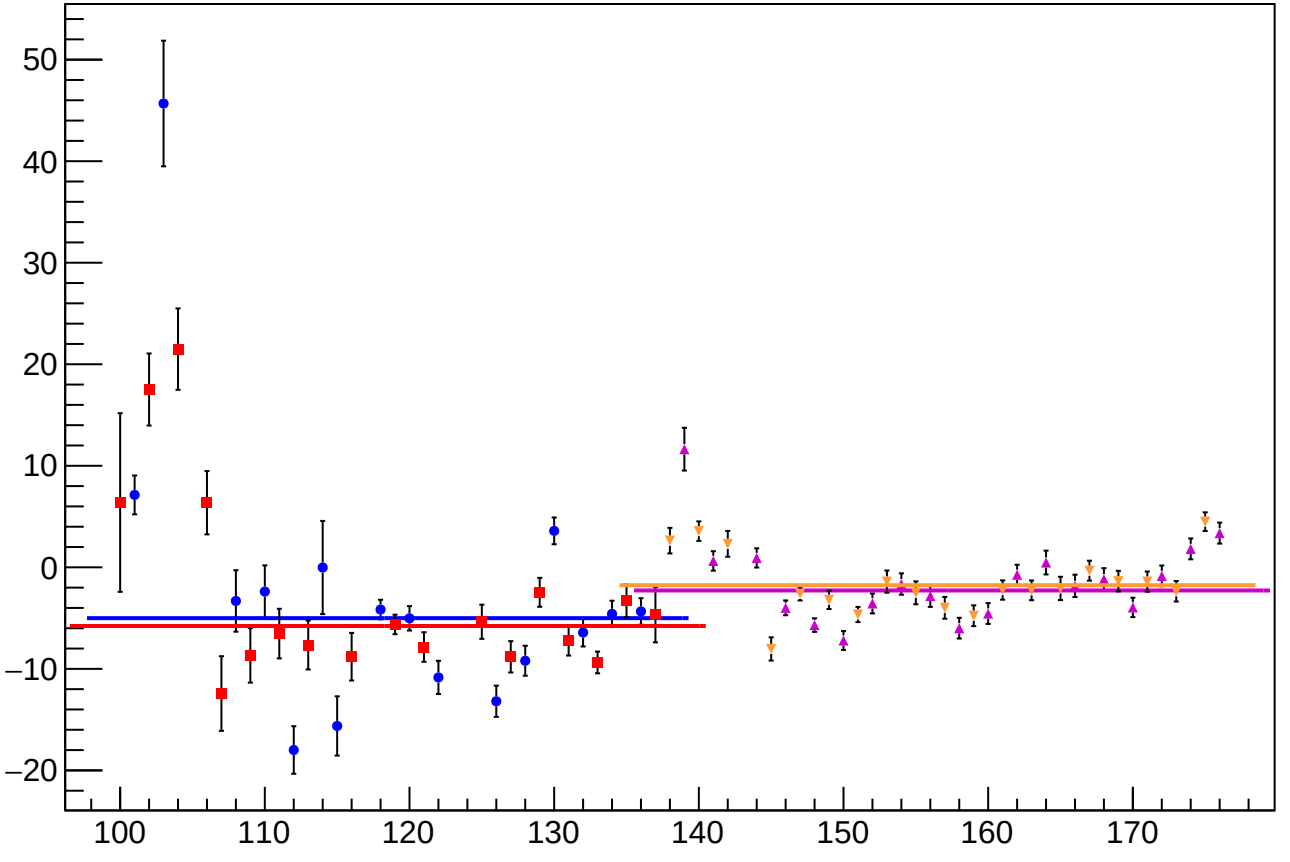
Left In: -28.915+/-0.308 χ^2/NDF:472.1/18

+ sign -25.096+/-0.247 χ^2/NDF: 2248.7/34

All: -24.277+/-0.174 χ^2/NDF: 4942.7/71

- sign -23.462+/-0.246 χ^2/NDF: 2672.0/36

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -1.761+/-0.223 χ^2/NDF:165.4/18

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

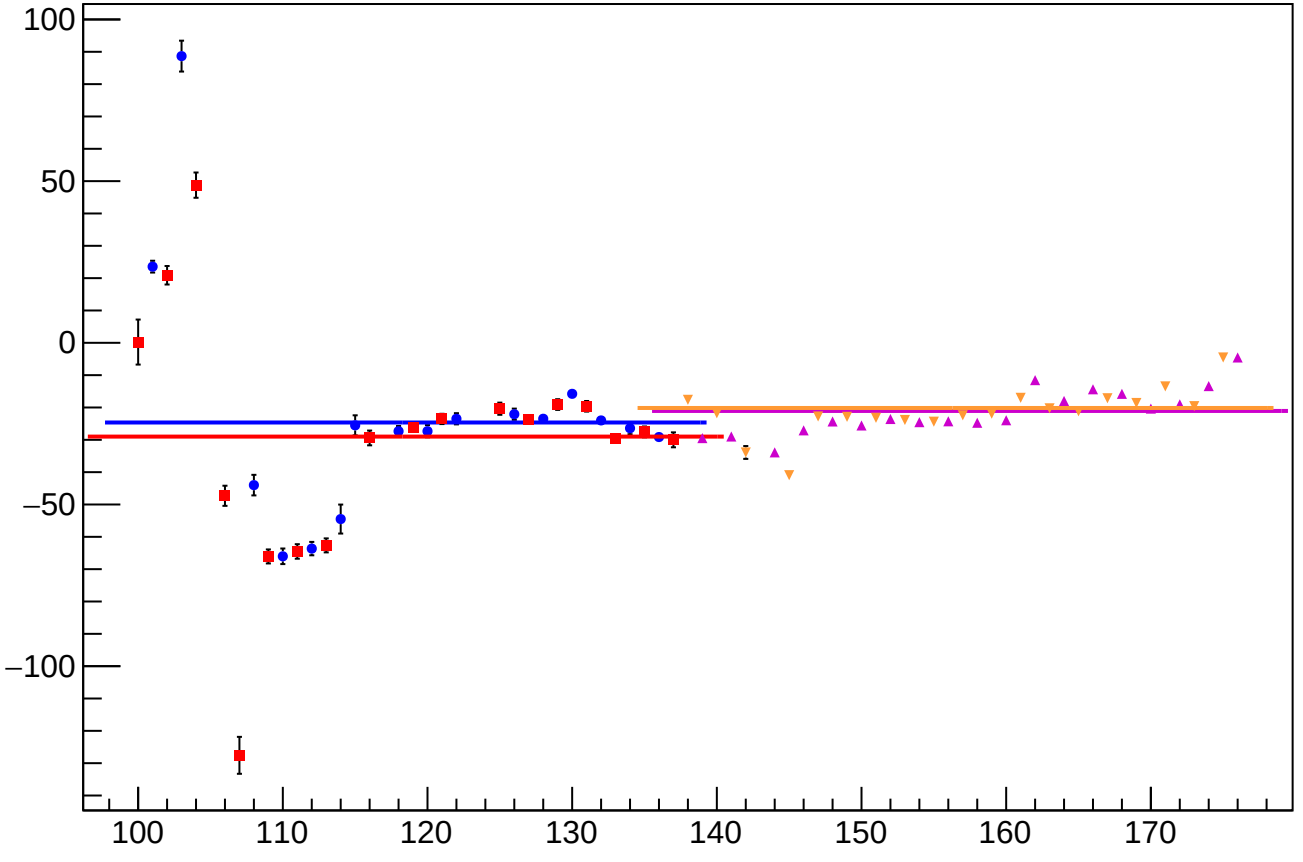
Left In: -2.278+/-0.225 χ^2/NDF:204.4/18

\+ sign -2.529+/-0.195 χ^2/NDF: 463.1/34

All: -2.790+/-0.139 χ^2/NDF: 864.7/71

\- sign -3.059+/-0.198 χ^2/NDF: 397.9/36

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -20.151+/-0.306 χ^2/NDF:618.5/18

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

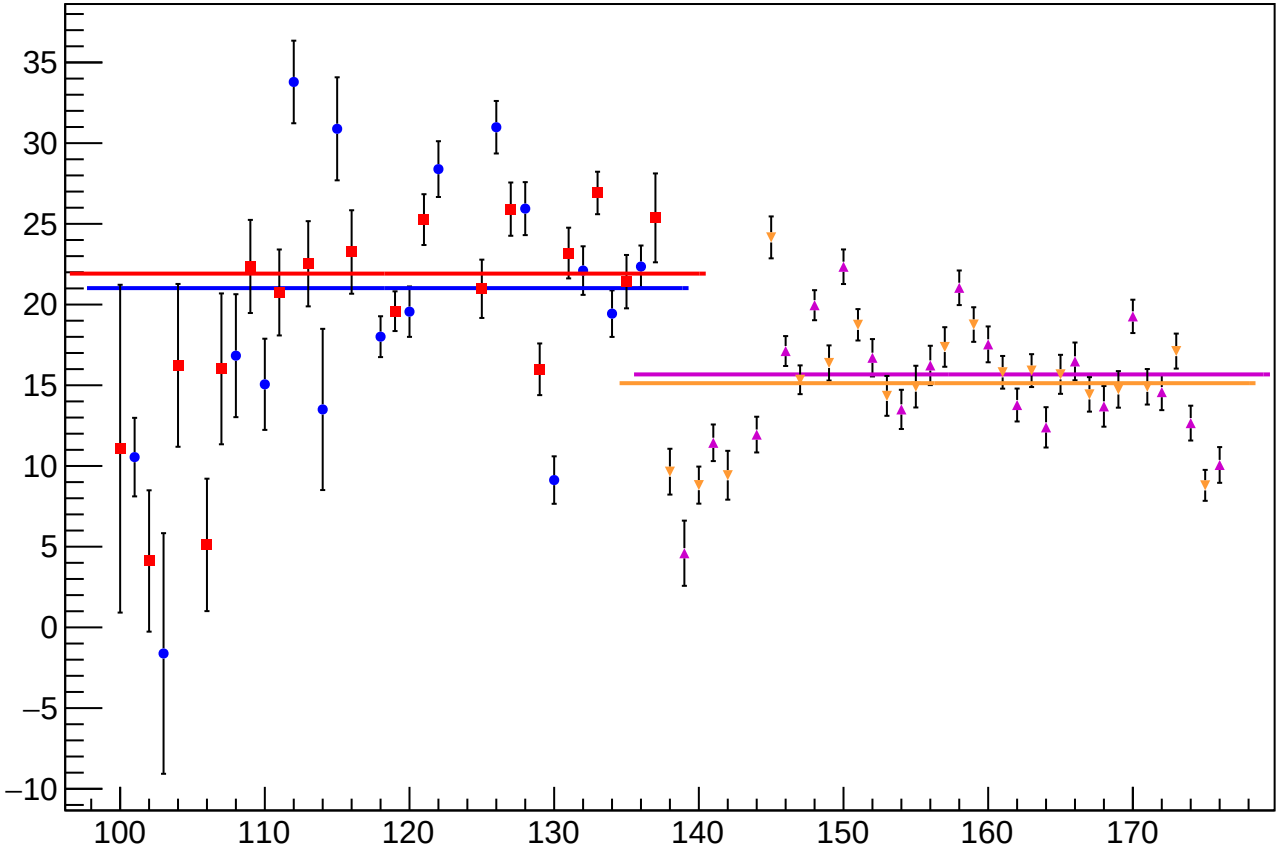
Left In: -21.069+/-0.303 χ^2/NDF:605.0/18

+ sign -21.552+/-0.254 χ^2/NDF: 2737.4/34

All: -22.453+/-0.180 χ^2/NDF: 5518.0/71

- sign -23.365+/-0.256 χ^2/NDF: 2755.3/36

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.129+/-0.256 χ^2/NDF:187.1/18

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

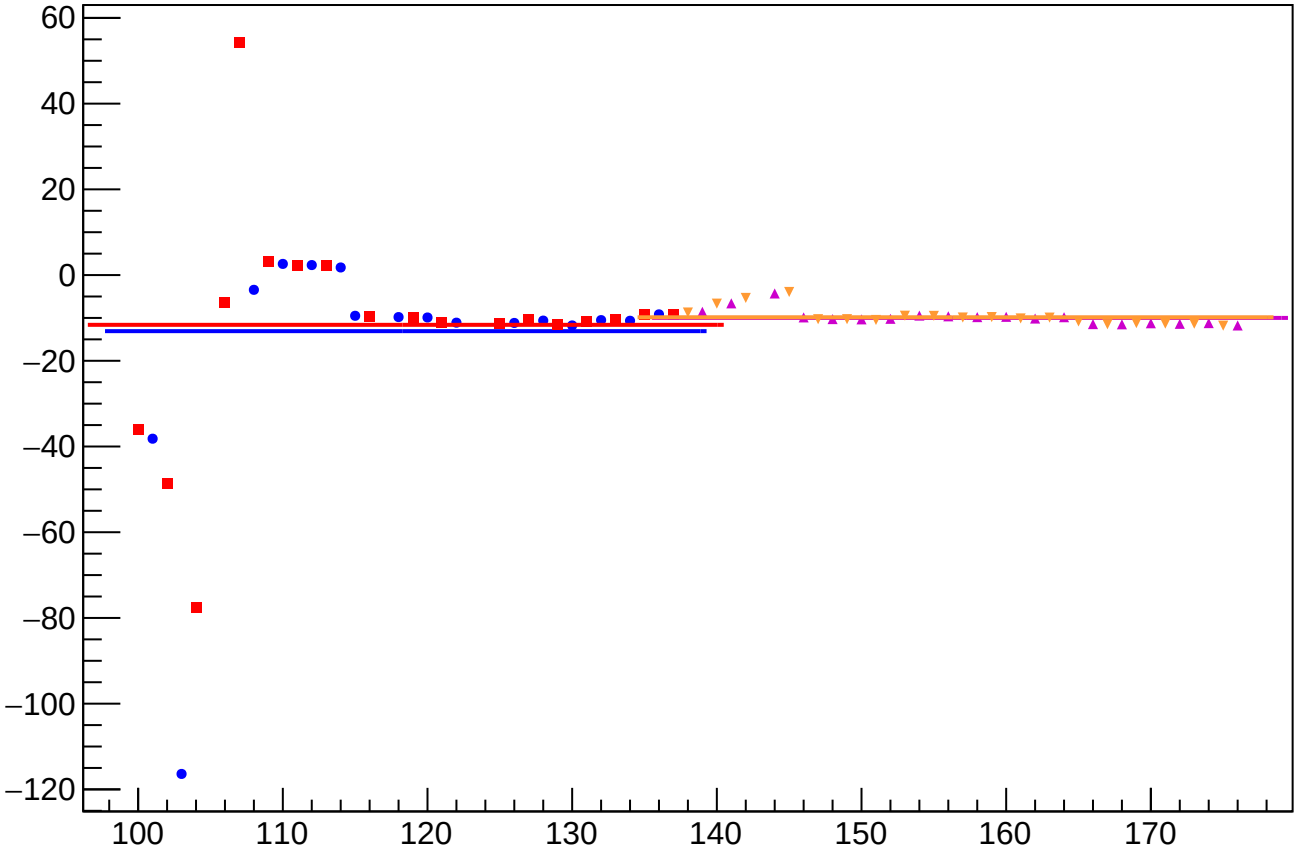
Left In: 15.673+/-0.257 χ^2/NDF:209.8/18

+ sign 16.529+/-0.223 χ^2/NDF: 522.6/34

All: 16.795+/-0.159 χ^2/NDF: 950.2/71

- sign 17.068+/-0.226 χ^2/NDF: 424.7/36

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.854+/-0.012 χ^2/NDF:26067.6/18

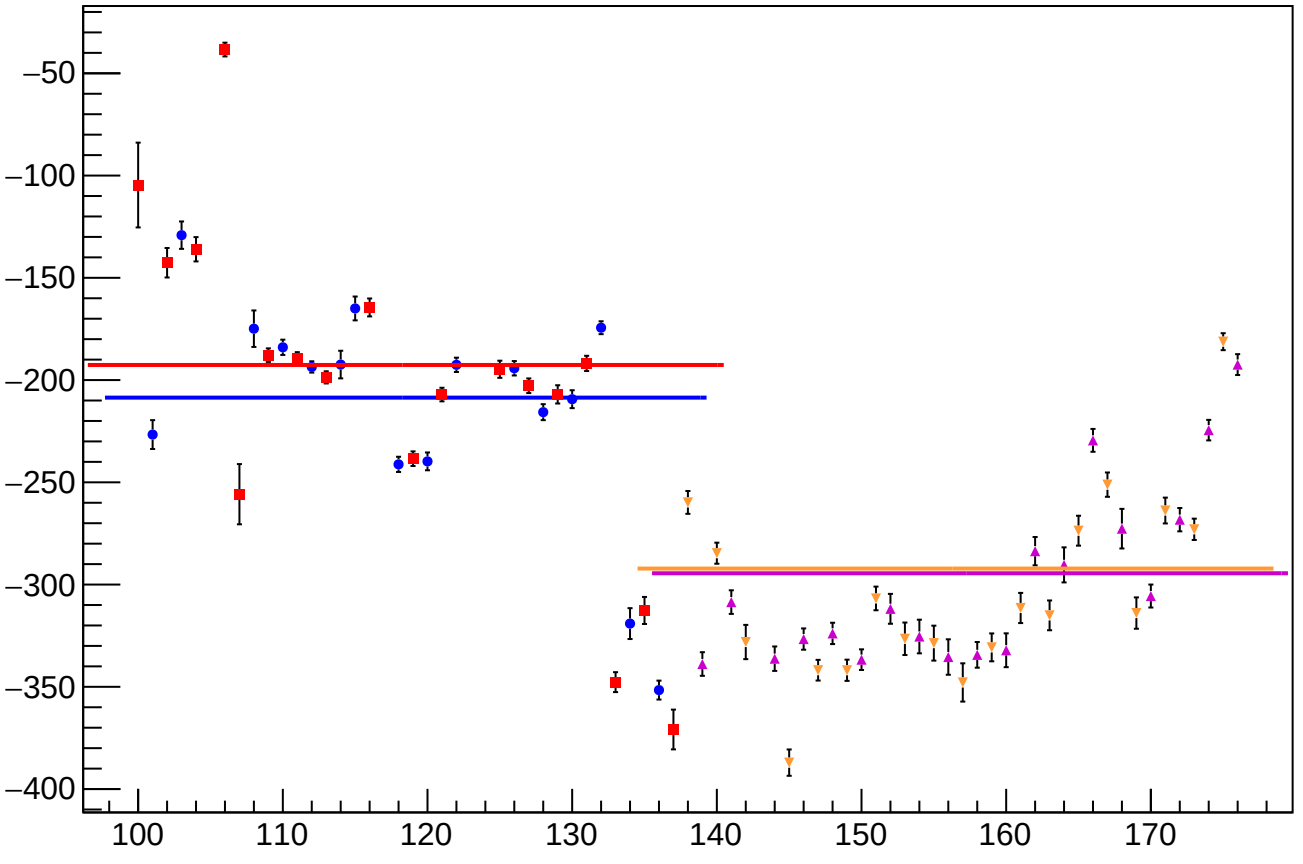
Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.996+/-0.011 χ^2/NDF:20329.3/18

+ sign -10.314+/-0.011 χ^2/NDF: 382111.4/34

All: -10.249+/-0.008 χ^2/NDF: 719104.9/71

- sign -10.186+/-0.011 χ^2/NDF: 336921.5/36



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -292.166+/-1.417 χ^2/NDF:1398.1/18

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

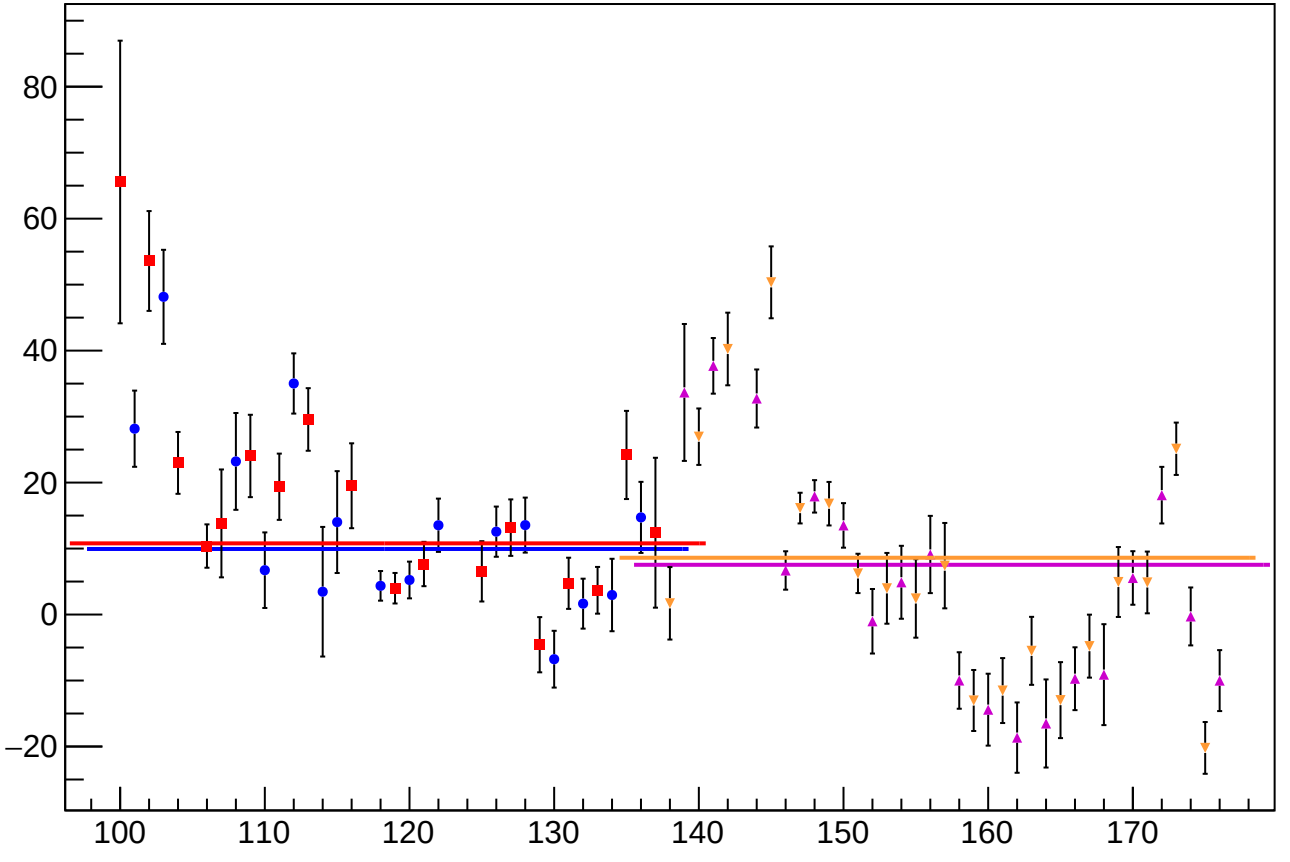
Left In: -294.464+/-1.407 χ^2/NDF:1119.5/18

\+ sign -238.808+/-0.852 χ^2/NDF: 5369.9/34

All: -232.508+/-0.589 χ^2/NDF: 14285.8/71

\- sign -226.754+/-0.814 χ^2/NDF: 8811.3/36

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 8.609+/-0.980 χ^2/NDF:271.3/18

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

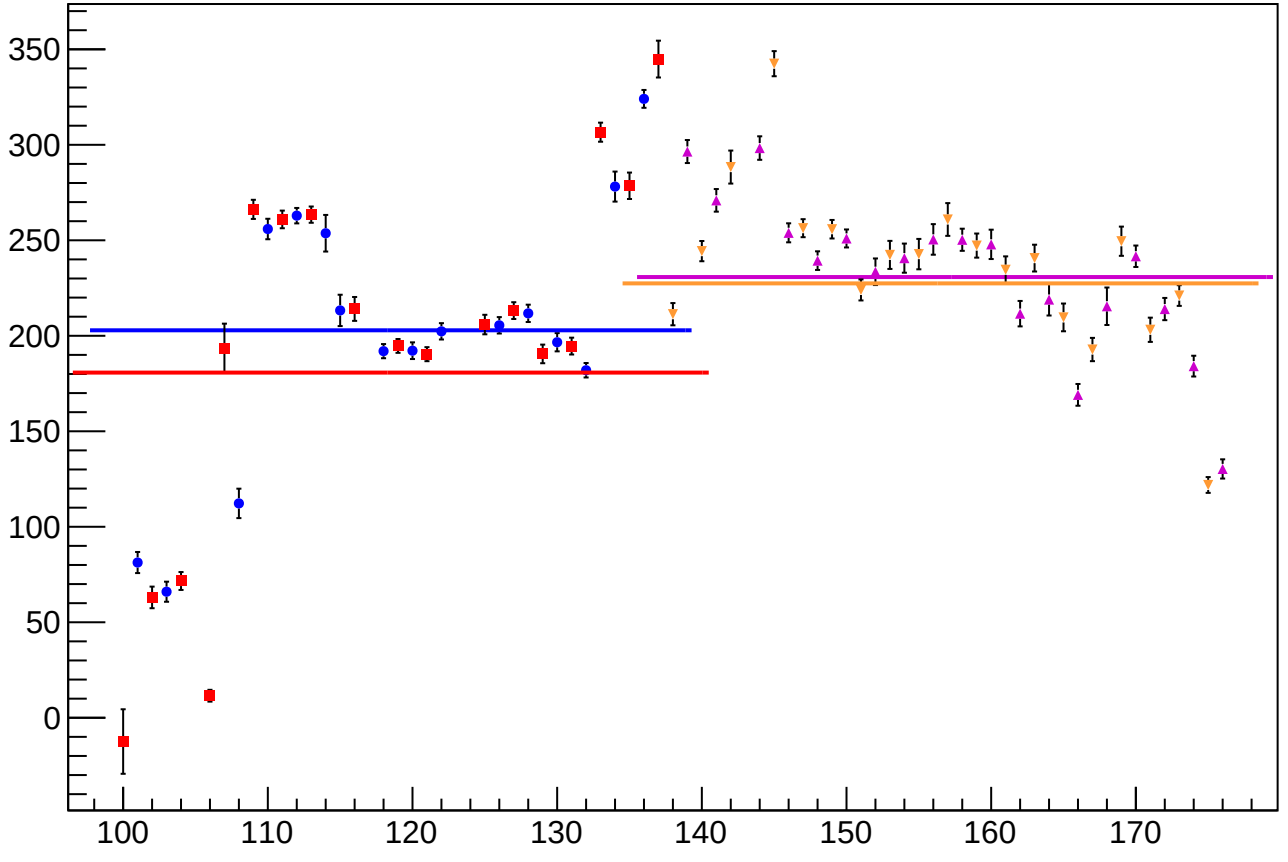
Left In: 7.539+/-0.993 χ^2/NDF:226.6/18

+ sign 9.218+/-0.721 χ^2/NDF: 378.7/34

All: 9.151+/-0.509 χ^2/NDF: 715.5/71

- sign 9.084+/-0.720 χ^2/NDF: 336.7/36

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 227.439+/-1.392 χ^2/NDF:1197.3/18

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

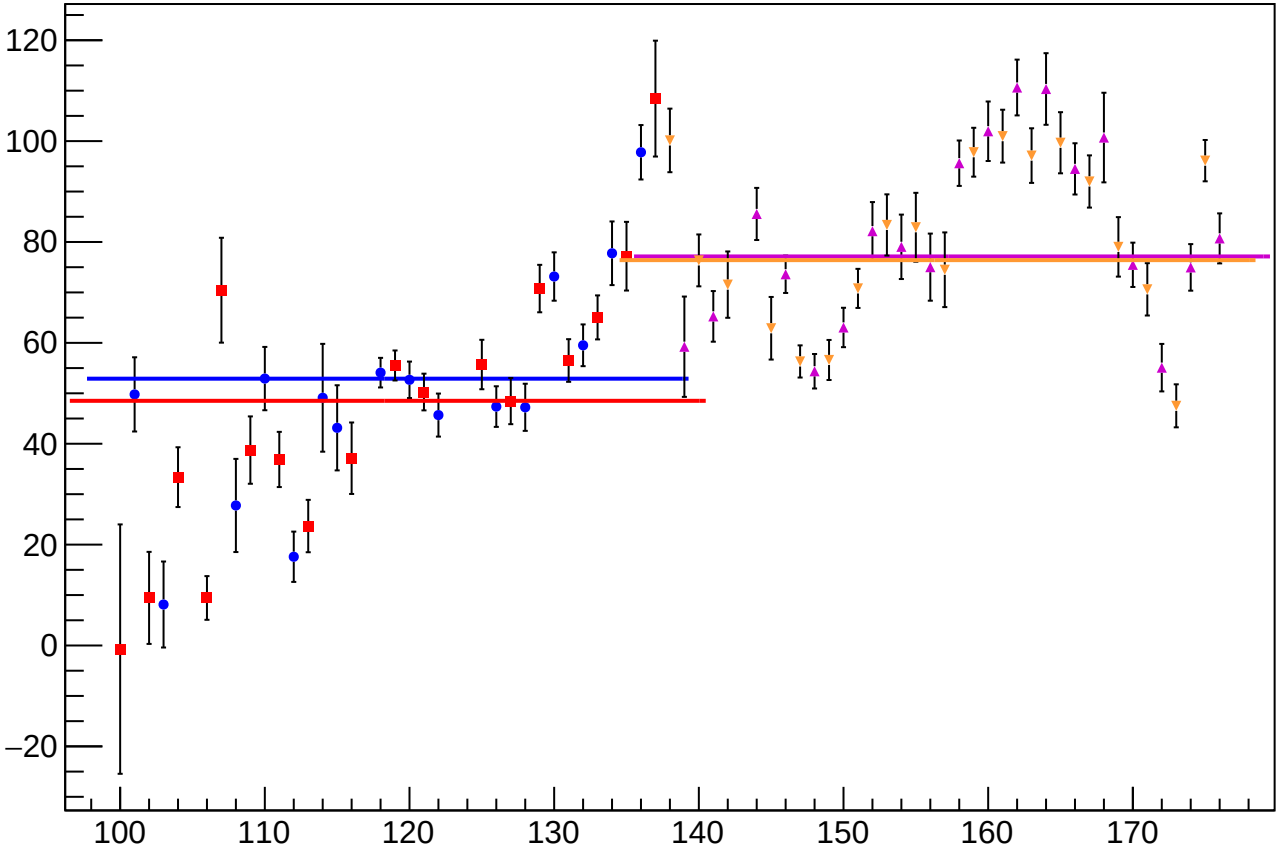
Left In: 230.758+/-1.383 χ^2/NDF:966.4/18

+ sign 213.603+/-0.920 χ^2/NDF: 3836.9/34

All: 207.055+/-0.636 χ^2/NDF: 12025.3/71

- sign 201.040+/-0.881 χ^2/NDF: 8091.1/36

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 76.401+/-1.143 χ^2/NDF:238.9/18

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

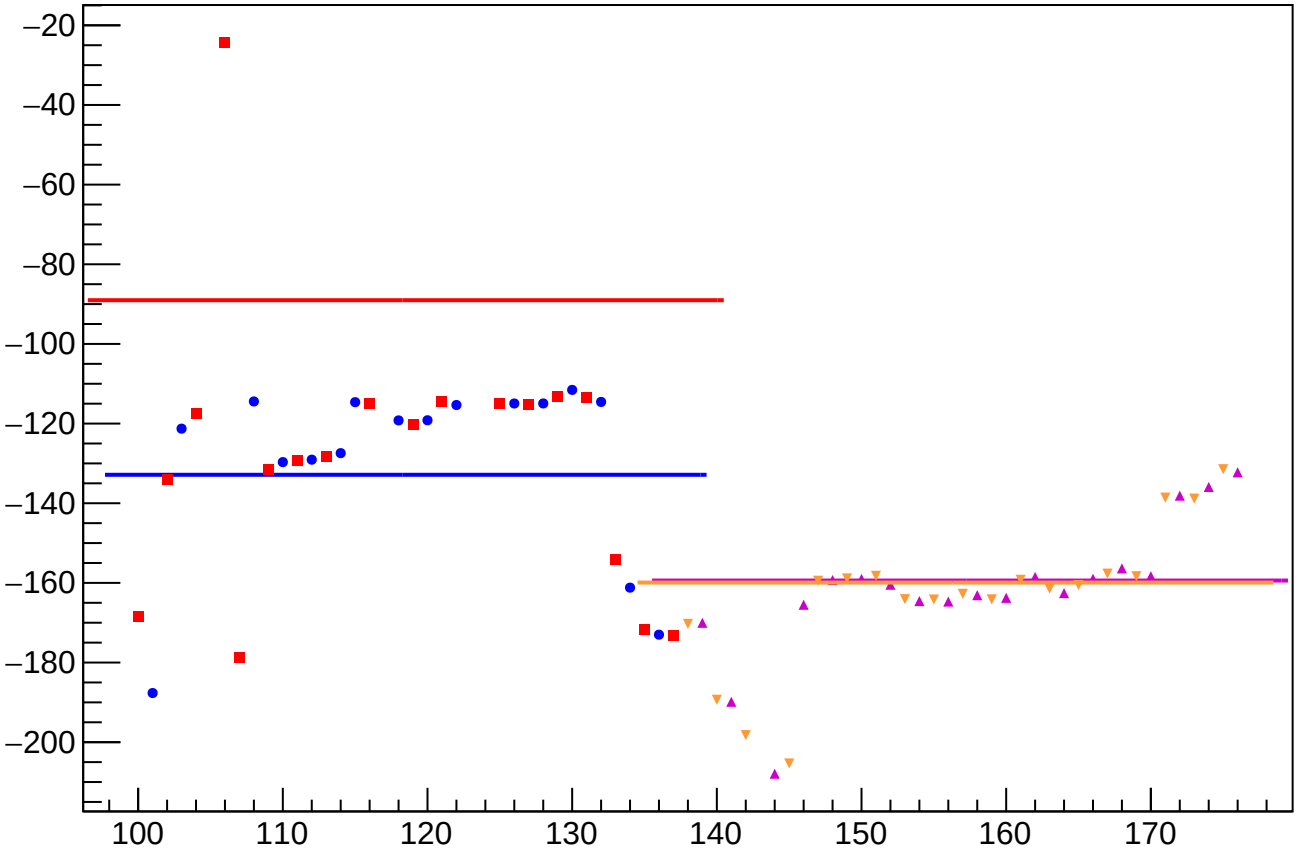
Left In: 77.133+/-1.151 χ^2/NDF:205.3/18

+ sign 65.620+/-0.841 χ^2/NDF: 631.2/34

All: 64.597+/-0.593 χ^2/NDF: 1372.1/71

- sign 63.587+/-0.835 χ^2/NDF: 738.0/36

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -159.917+/-0.054 χ^2/NDF:105046.3/18

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

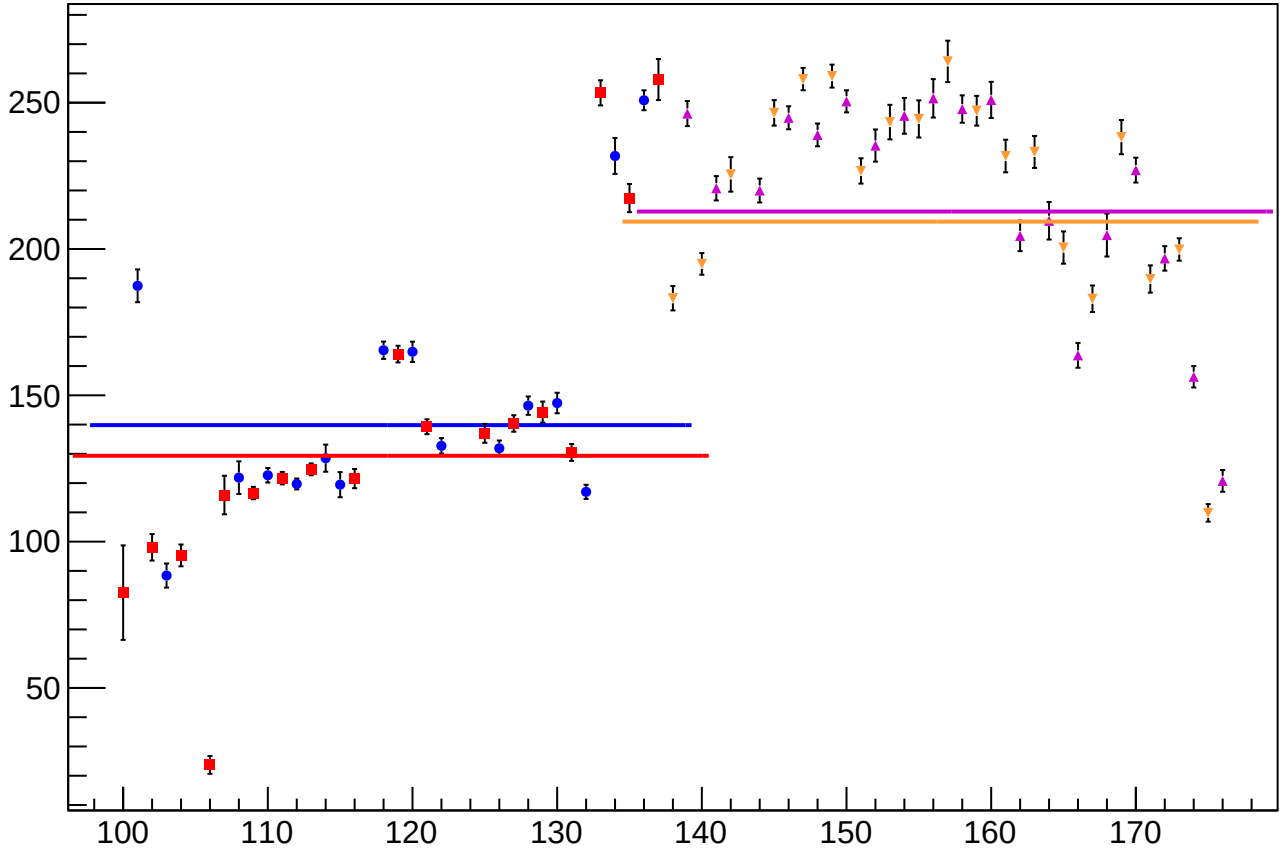
Left In: -159.411+/-0.052 χ^2/NDF:94221.6/18

+ sign -151.692+/-0.045 χ^2/NDF: 275559.4/34

All: -140.471+/-0.030 χ^2/NDF: 1934405.6/71

- sign -131.298+/-0.041 χ^2/NDF: 1545084.5/36

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 209.357+/-1.046 χ^2/NDF:1870.6/18

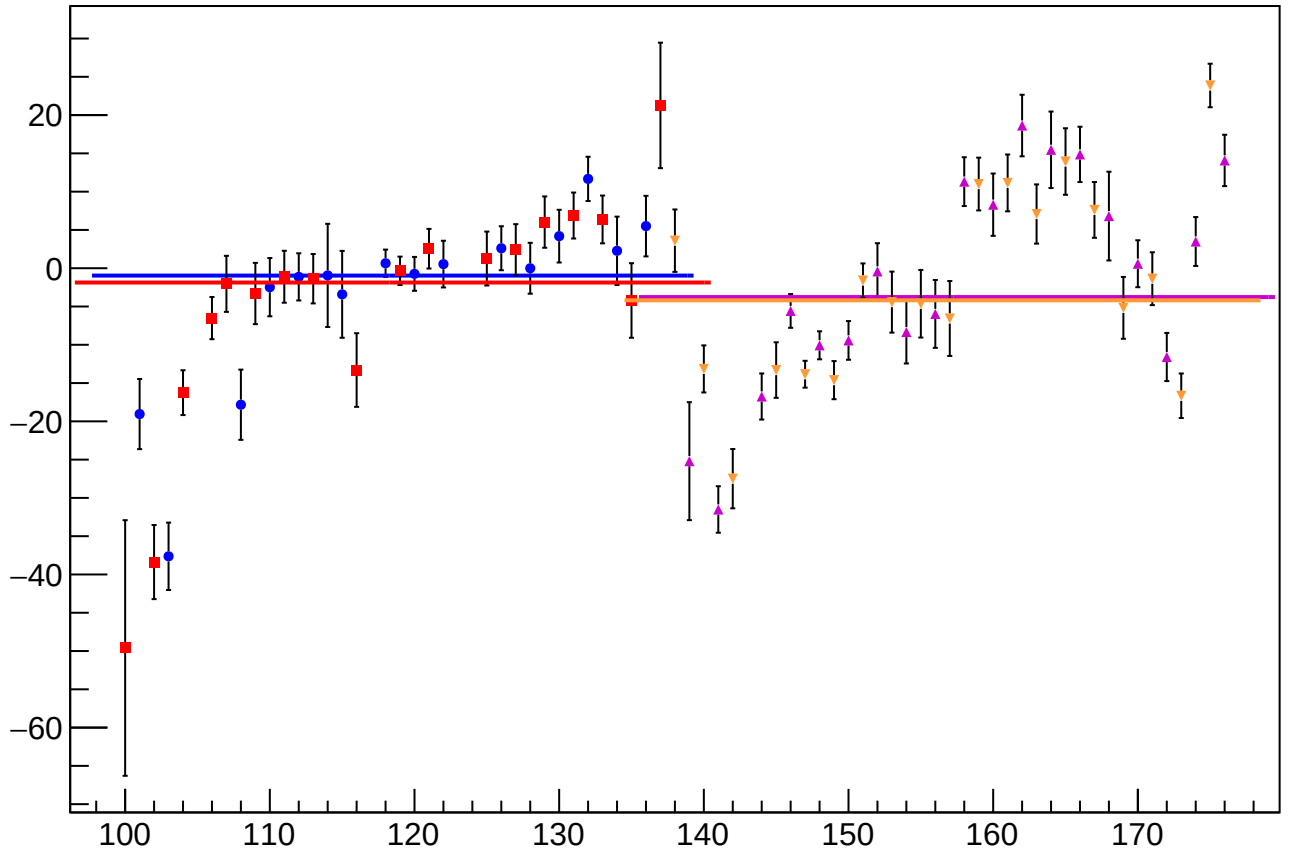
Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 212.801+/-1.041 χ^2/NDF:1469.3/18

+ sign 164.839+/-0.628 χ^2/NDF: 6663.5/34

All: 160.787+/-0.434 χ^2/NDF: 15630.4/71

- sign 157.085+/-0.600 χ^2/NDF: 8887.1/36



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -4.190+/-0.727 χ^2/NDF:293.5/18

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

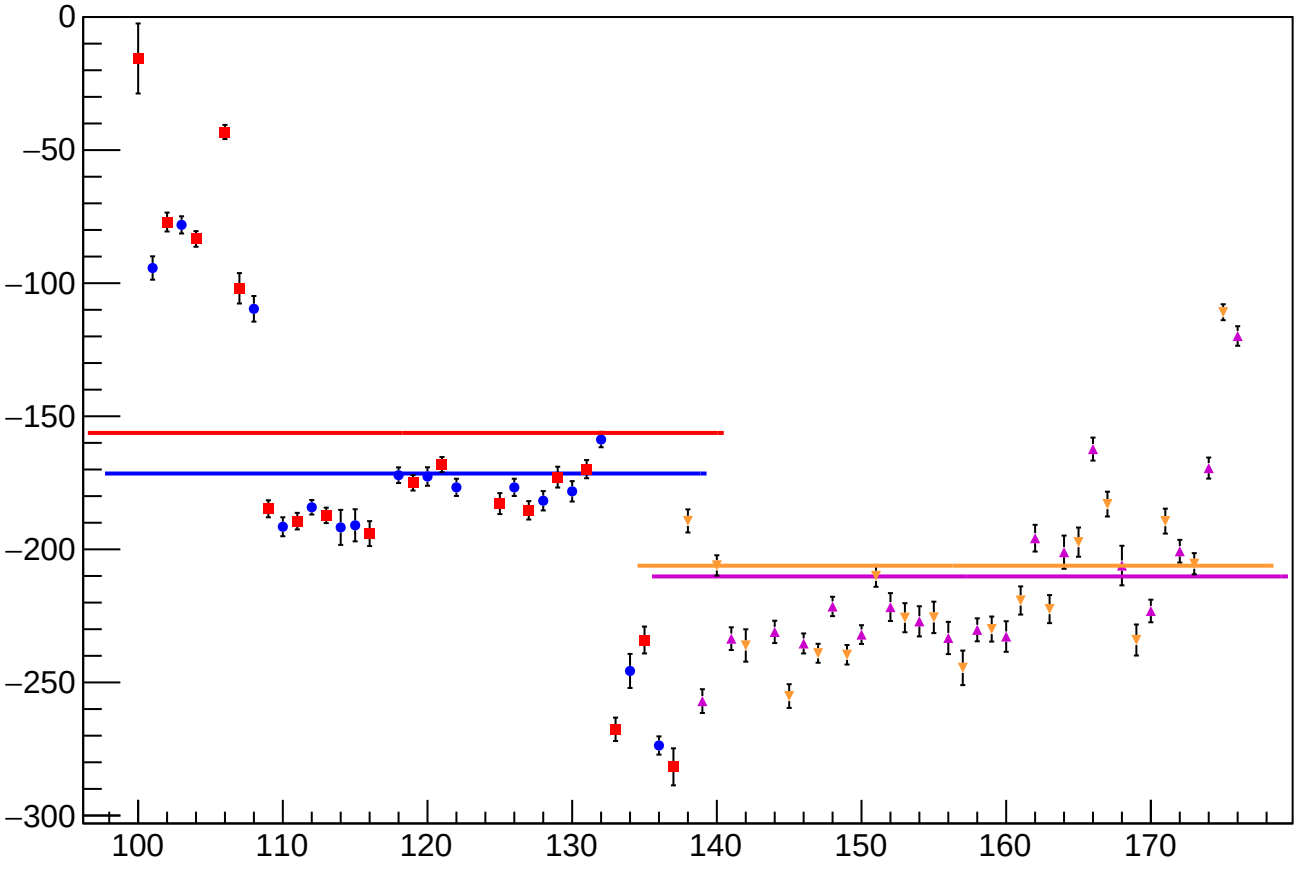
Left In: -3.767+/-0.737 χ^2/NDF:278.3/18

+ sign -2.747+/-0.541 χ^2/NDF: 428.4/34

All: -2.812+/-0.381 χ^2/NDF: 843.0/71

- sign -2.876+/-0.537 χ^2/NDF: 414.6/36

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -206.141+/-1.029 χ^2/NDF:1502.0/18

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

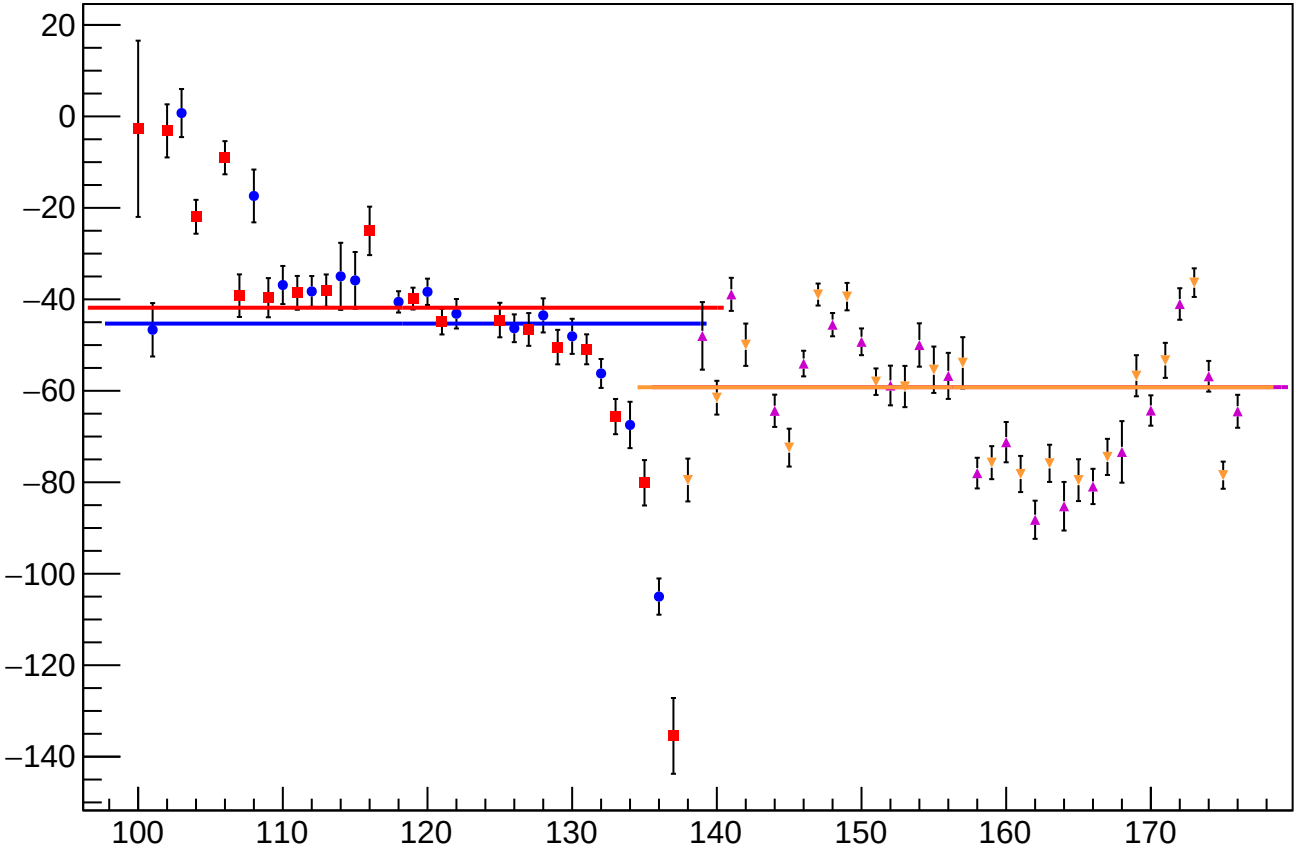
Left In: -210.176+/-1.024 χ^2/NDF:1181.5/18

+ sign -186.646+/-0.680 χ^2/NDF: 4582.5/34

All: -182.229+/-0.471 χ^2/NDF: 12394.0/71

- sign -178.161+/-0.653 χ^2/NDF: 7730.5/36

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -59.221+/-0.847 χ^2/NDF:343.1/18

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

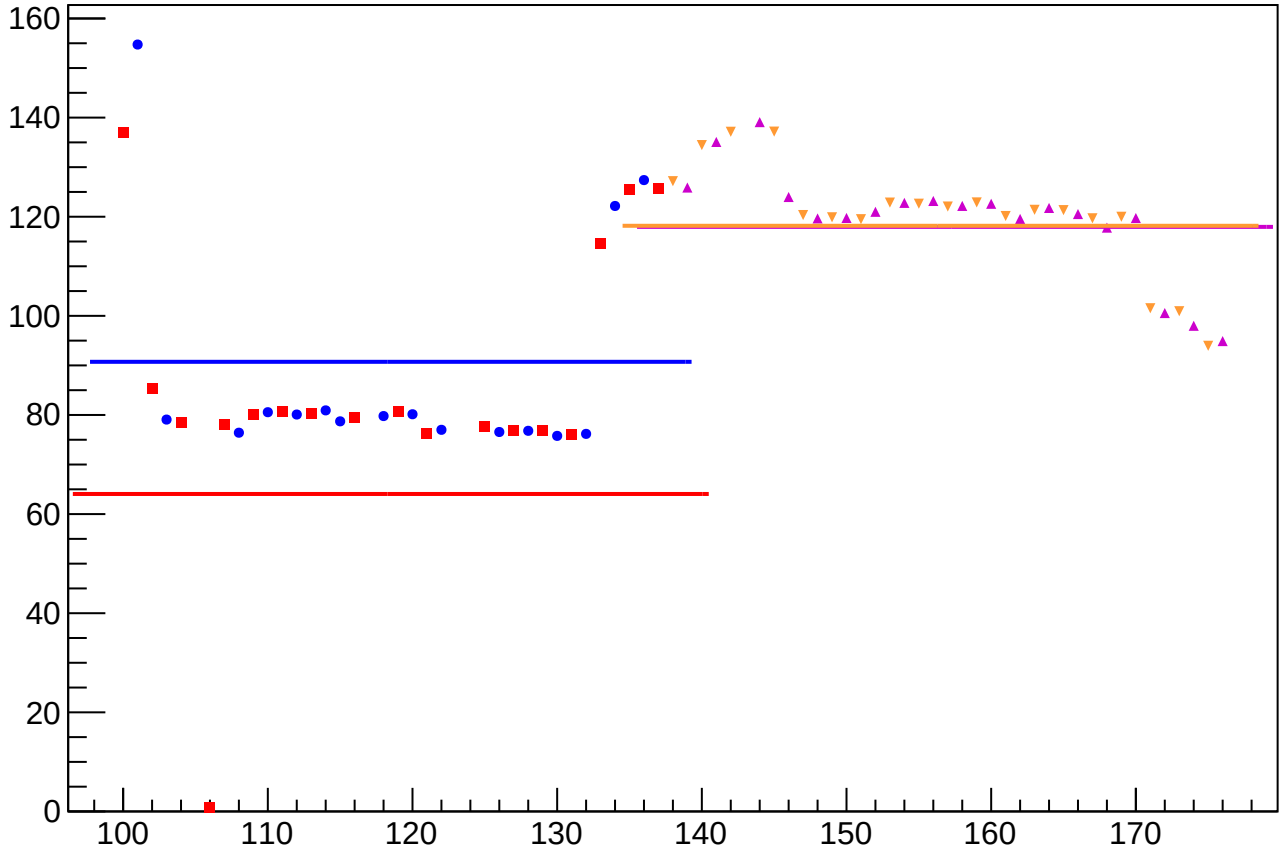
Left In: -59.197+/-0.853 χ^2/NDF:263.7/18

+ sign -52.967+/-0.629 χ^2/NDF: 846.4/34

All: -52.007+/-0.442 χ^2/NDF: 1723.0/71

- sign -51.066+/-0.622 χ^2/NDF: 871.9/36

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 118.173+/-0.040 χ^2/NDF:89378.6/18

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

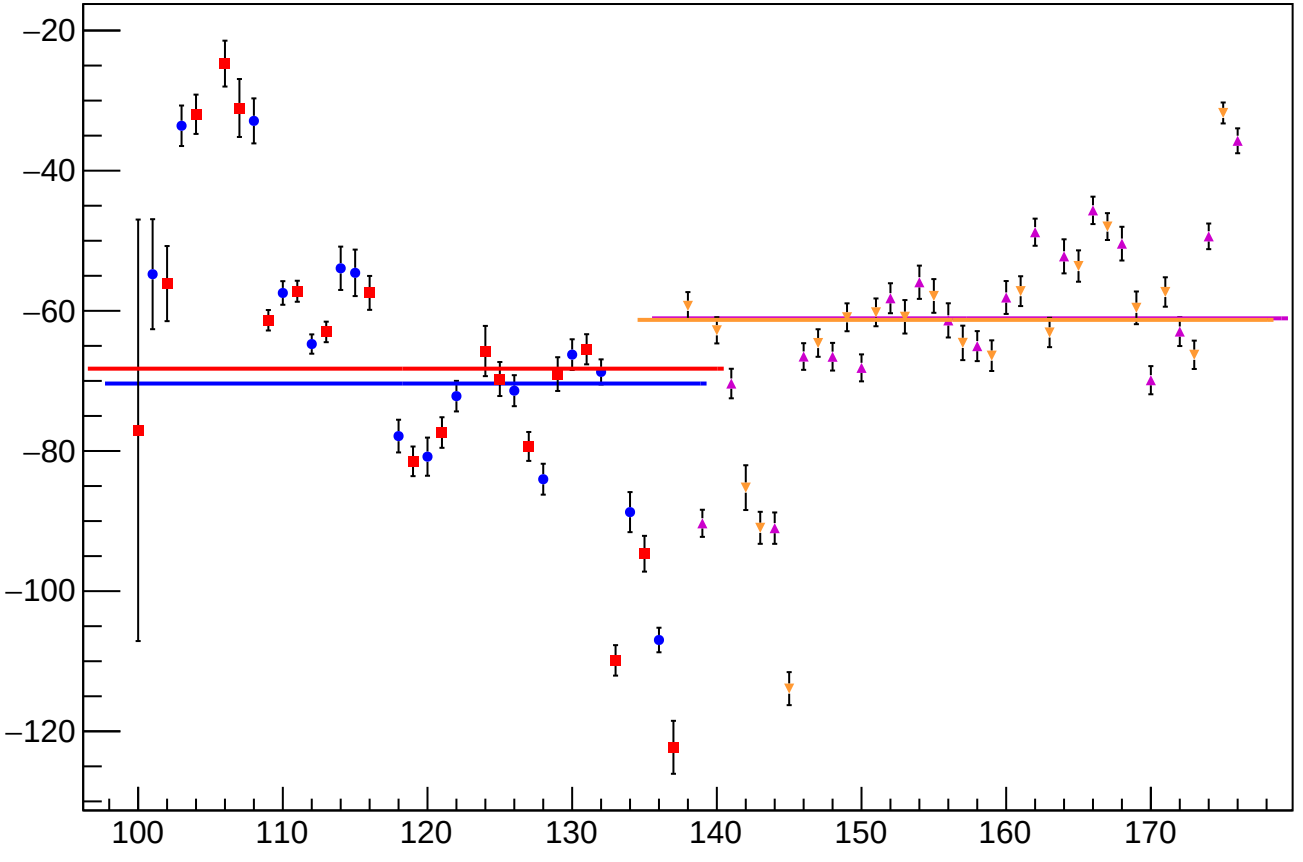
Left In: 117.952+/-0.039 χ^2/NDF:86796.3/18

+ sign 109.477+/-0.033 χ^2/NDF: 401005.9/34

All: 102.941+/-0.022 χ^2/NDF: 1959934.0/71

- sign 97.334+/-0.030 χ^2/NDF: 1485690.2/36

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -61.290+/-0.470 χ^2/NDF:1202.6/19

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

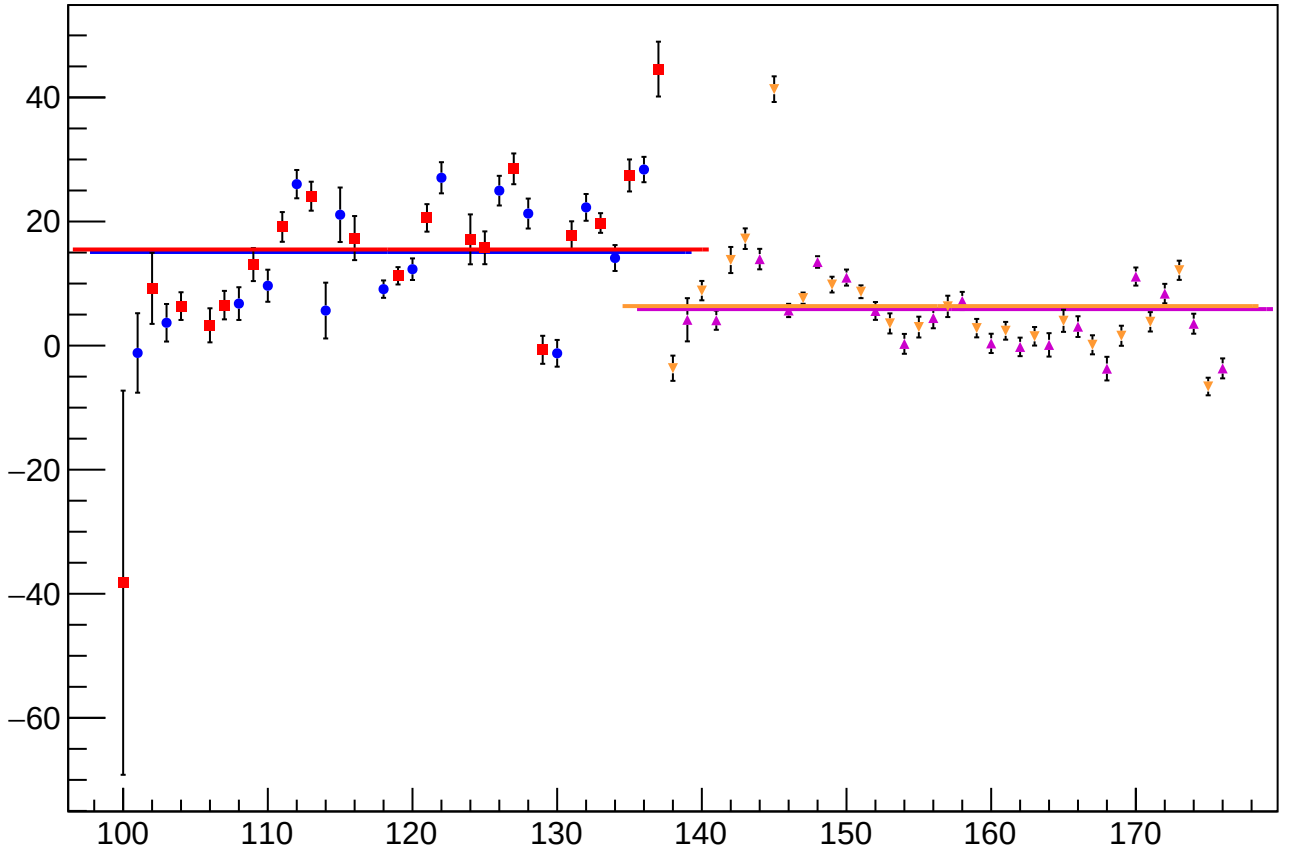
Left In: -61.071+/-0.475 χ^2/NDF:867.2/18

\+ sign -65.062+/-0.359 χ^2/NDF: 2332.7/35

All: -64.671+/-0.252 χ^2/NDF: 4610.6/73

\- sign -64.295+/-0.353 χ^2/NDF: 2275.6/37

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 6.366+/-0.330 χ^2/NDF:540.2/19

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

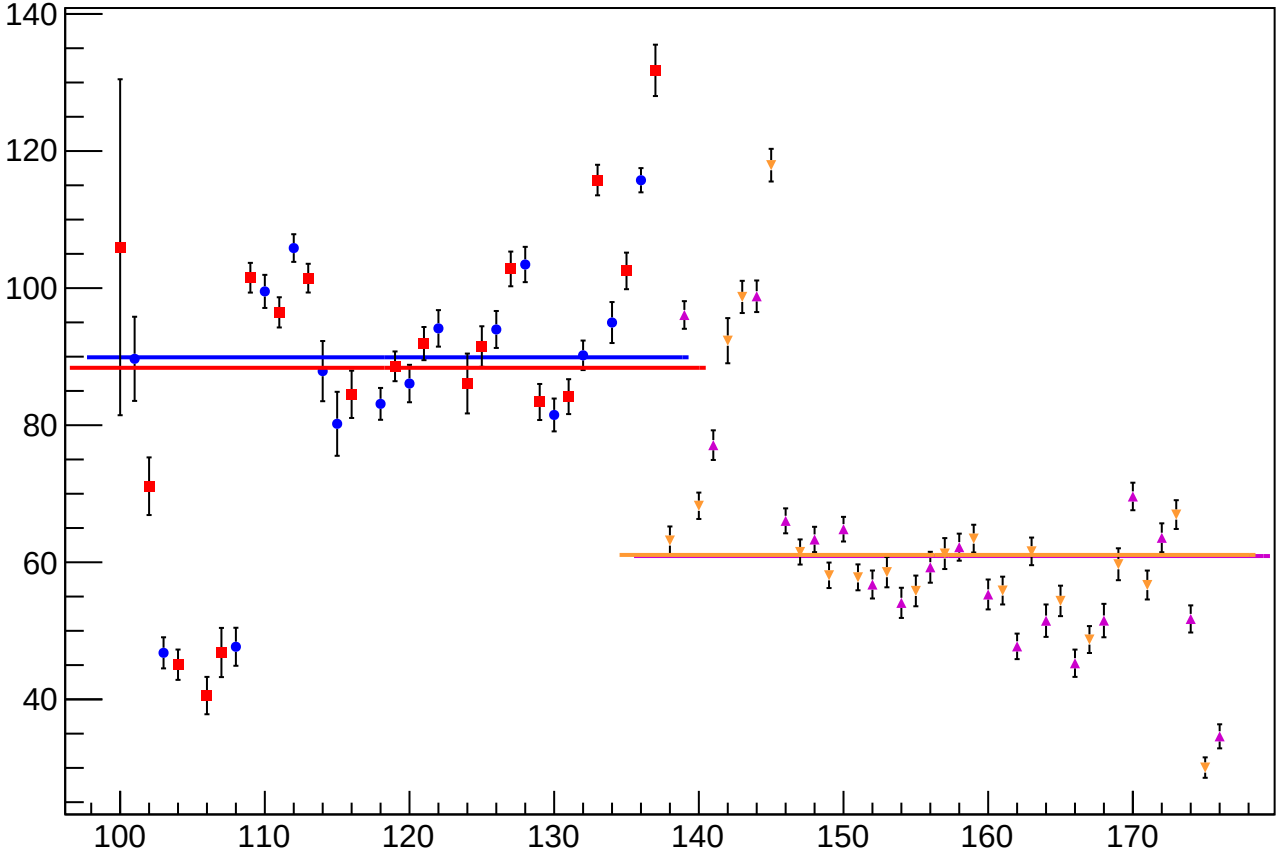
Left In: 5.883+/-0.341 χ^2/NDF:240.8/18

\+ sign 8.499+/-0.287 χ^2/NDF: 953.1/35

All: 8.494+/-0.204 χ^2/NDF: 1649.1/73

\- sign 8.489+/-0.291 χ^2/NDF: 696.0/37

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 61.074+/-0.461 χ^2/NDF:1445.7/19

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

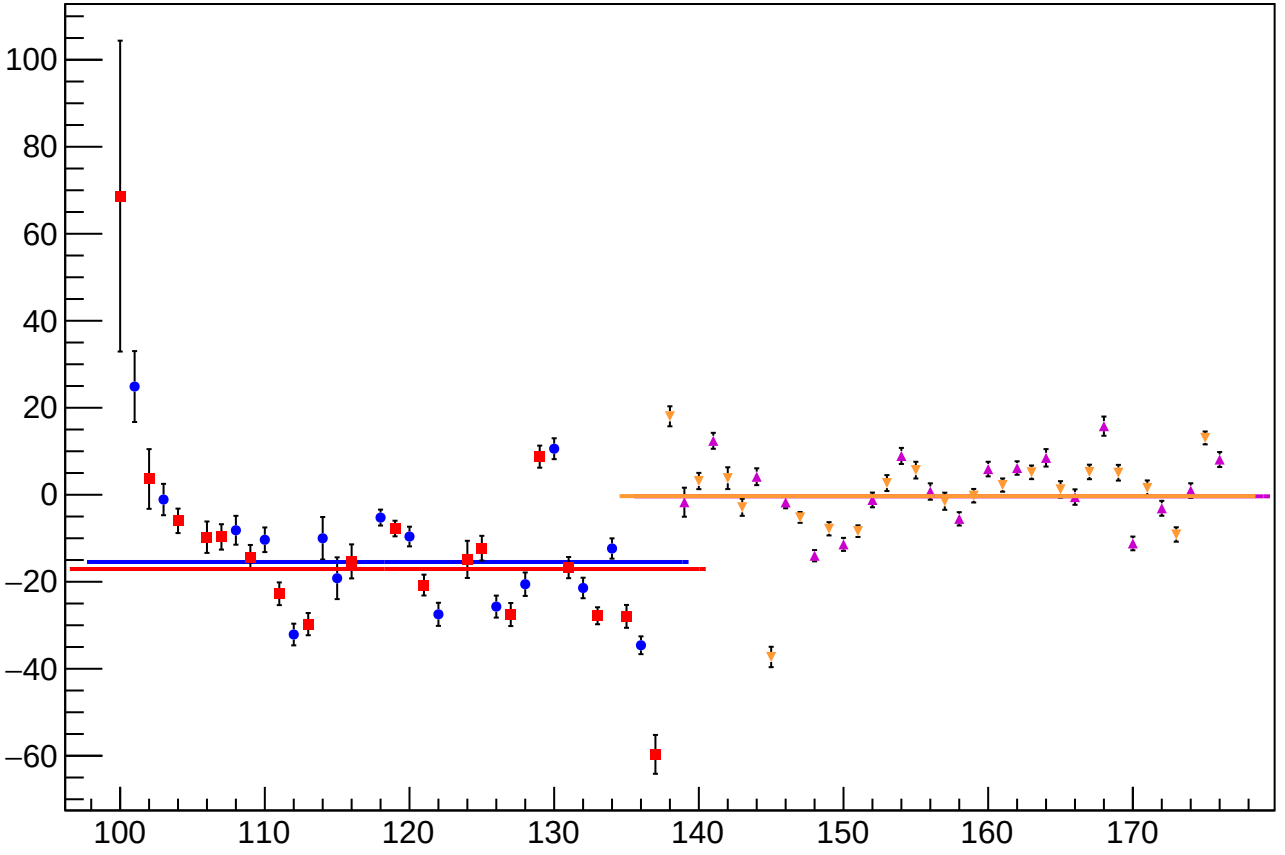
Left In: 60.911+/-0.466 χ^2/NDF:1075.1/18

+ sign 70.911+/-0.374 χ^2/NDF: 3727.8/35

All: 70.897+/-0.264 χ^2/NDF: 7351.8/73

- sign 70.883+/-0.372 χ^2/NDF: 3624.1/37

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -0.314+/-0.381 χ^2/NDF:556.0/19

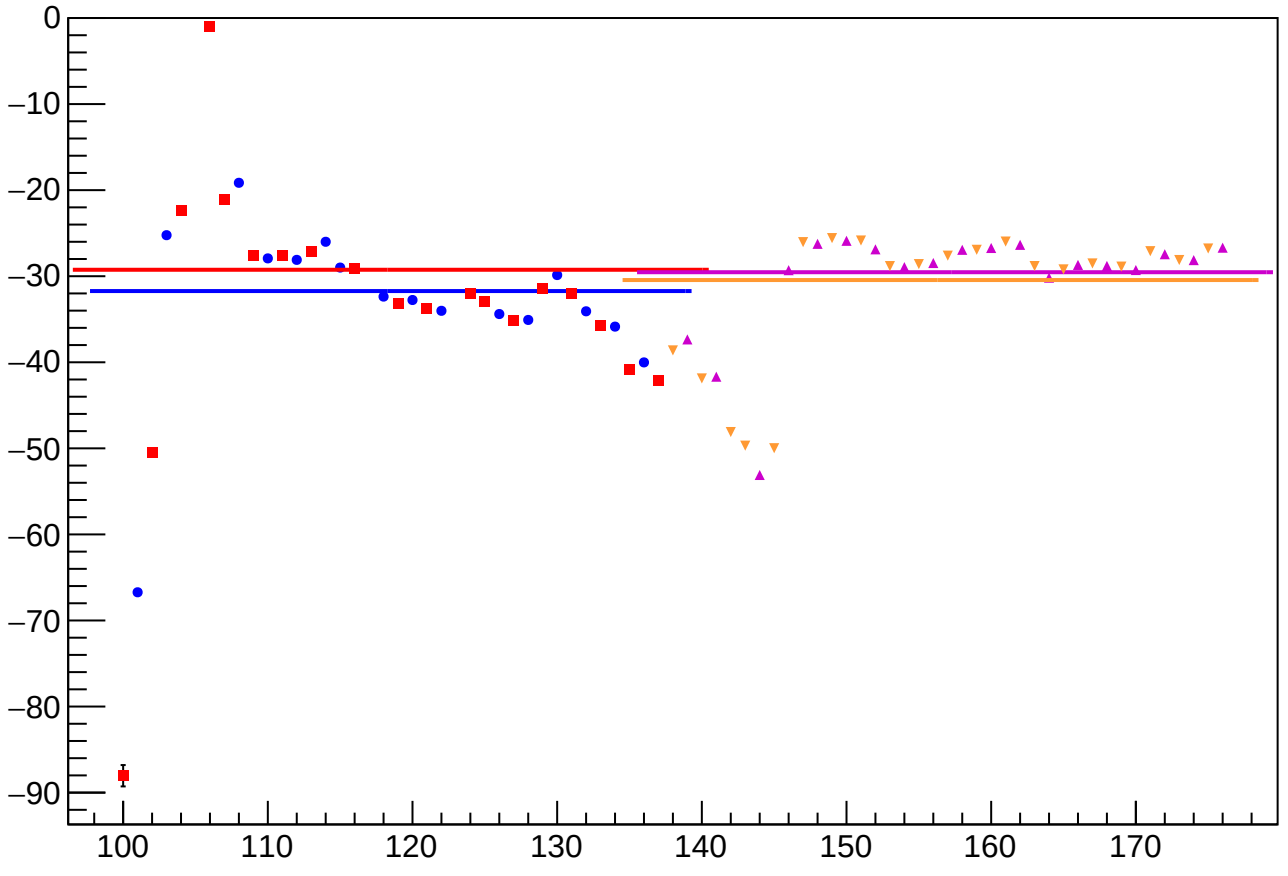
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.360+/-0.391 χ^2/NDF:436.1/18

+ sign -4.051+/-0.331 χ^2/NDF: 1332.3/35

All: -4.451+/-0.235 χ^2/NDF: 2624.7/73

- sign -4.859+/-0.334 χ^2/NDF: 1289.4/37



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.445+/-0.018 χ^2/NDF:154721.0/19

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

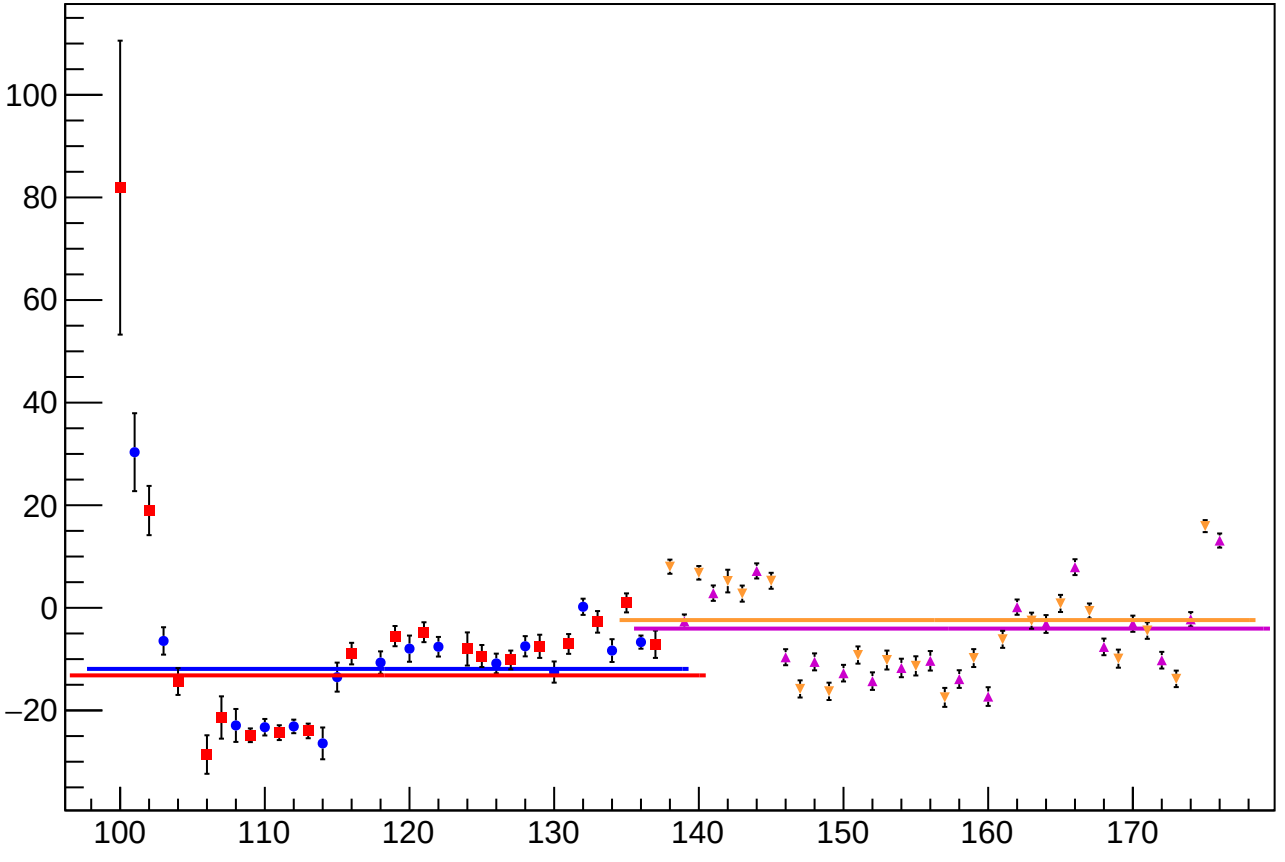
Left In: -29.535+/-0.017 χ^2/NDF:96748.1/18

+ sign -30.664+/-0.016 χ^2/NDF: 195272.5/35

All: -30.072+/-0.011 χ^2/NDF: 390048.2/73

- sign -29.487+/-0.016 χ^2/NDF: 192029.7/37

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -2.389+/-0.358 χ^2/NDF:750.3/19

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

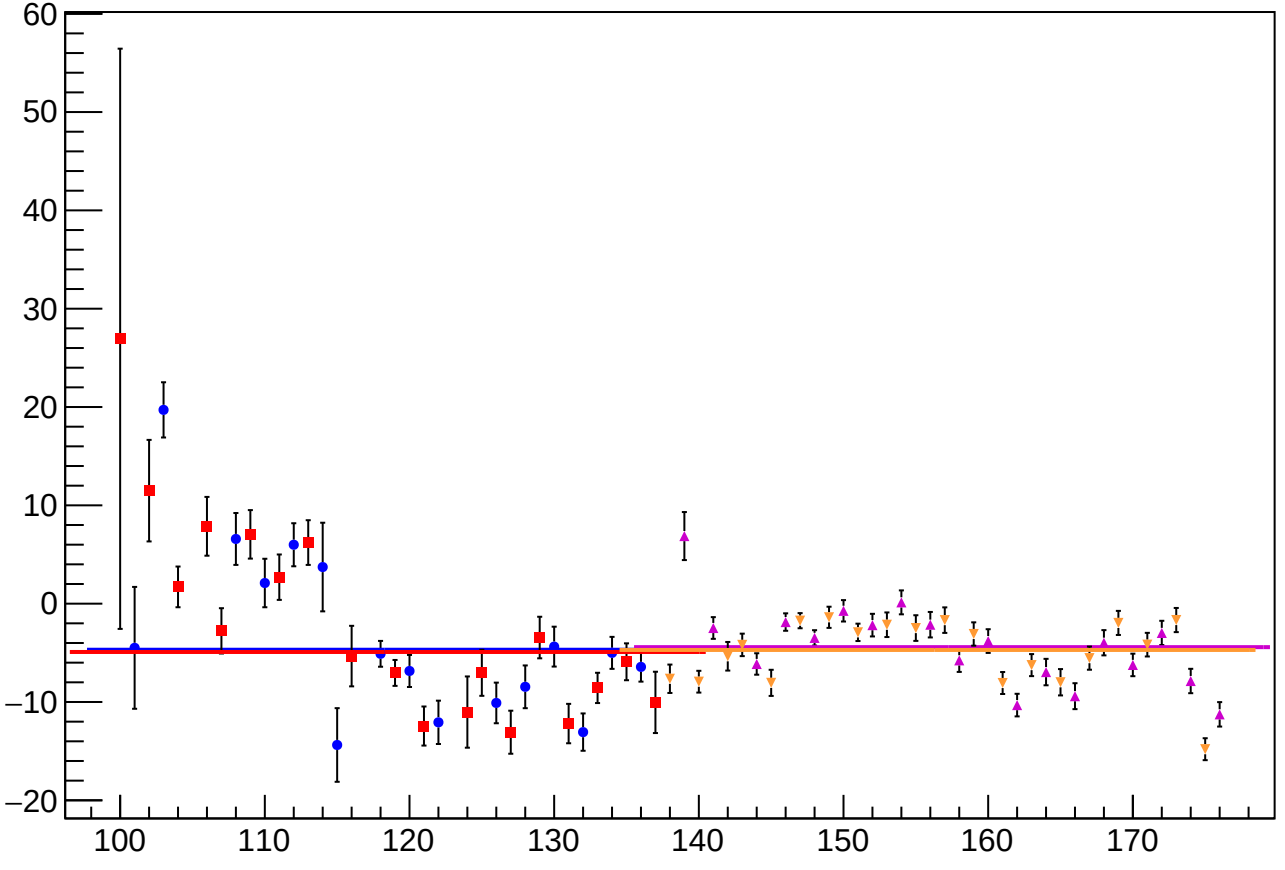
Left In: -4.050+/-0.364 χ^2/NDF:532.4/18

+ sign -5.646+/-0.291 χ^2/NDF: 1273.8/35

All: -6.512+/-0.205 χ^2/NDF: 2474.8/73

- sign -7.373+/-0.290 χ^2/NDF: 1183.2/37

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.708+/-0.257 χ^2/NDF:173.0/19

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

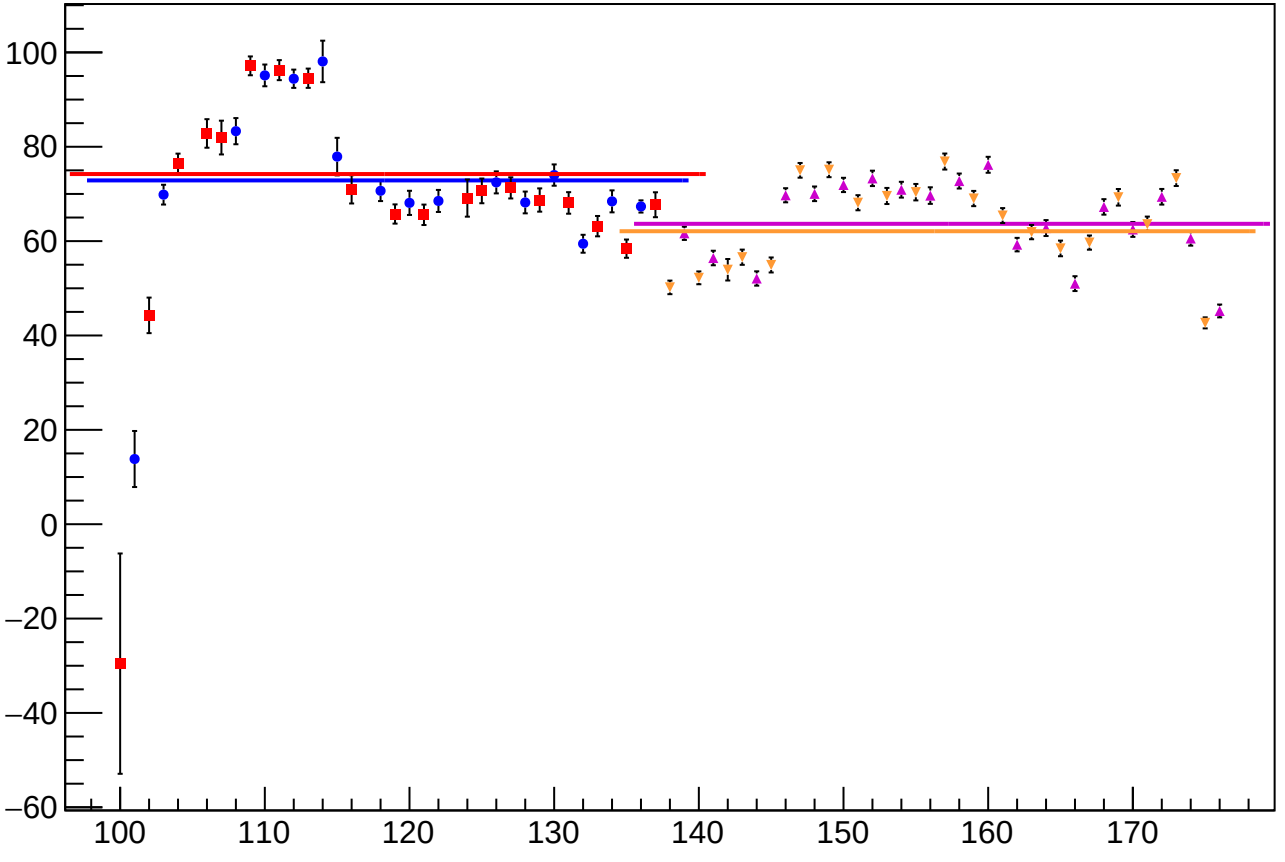
Left In: -4.423+/-0.265 χ^2/NDF:156.8/18

\+ sign -4.704+/-0.230 χ^2/NDF: 352.0/35

All: -4.617+/-0.165 χ^2/NDF: 665.7/73

\- sign -4.526+/-0.236 χ^2/NDF: 313.4/37

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 62.097+/-0.353 χ^2/NDF:802.2/19

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

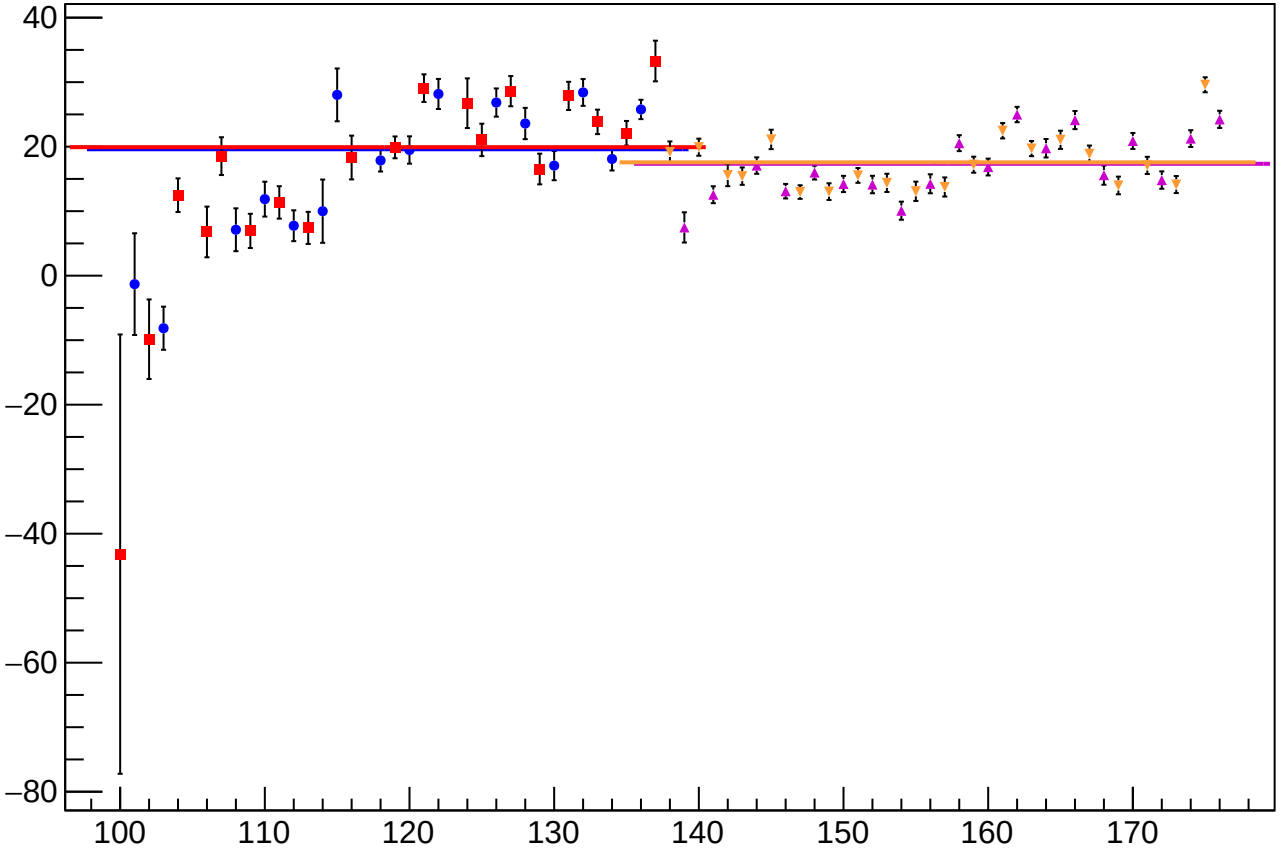
Left In: 63.668+/-0.358 χ^2/NDF:578.1/18

+ sign 65.116+/-0.299 χ^2/NDF: 1514.1/35

All: 65.906+/-0.213 χ^2/NDF: 2942.9/73

- sign 66.709+/-0.302 χ^2/NDF: 1414.8/37

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 17.571+/-0.295 χ^2/NDF:217.0/19

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

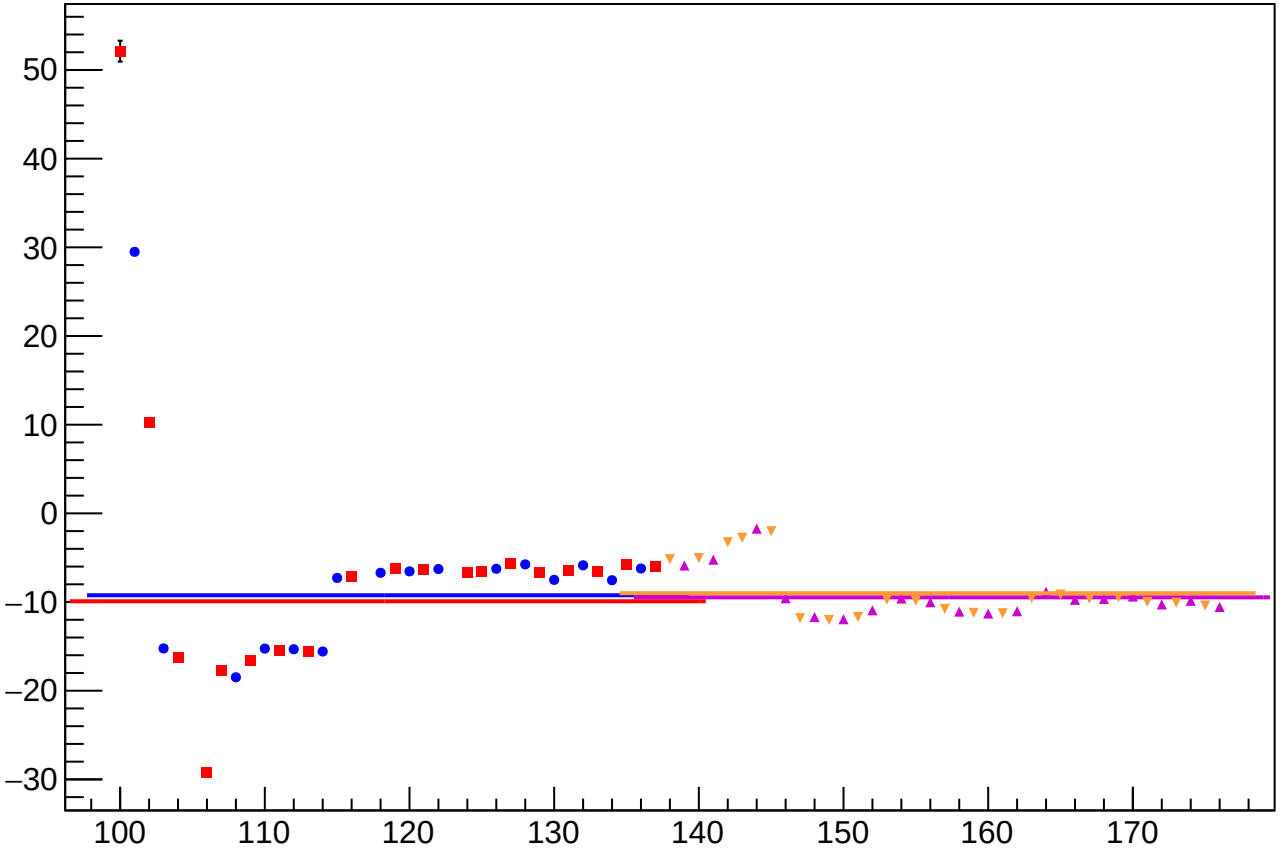
Left In: 17.344+/-0.303 χ^2/NDF:212.9/18

+ sign 17.981+/-0.263 χ^2/NDF: 422.5/35

All: 17.935+/-0.188 χ^2/NDF: 832.1/73

- sign 17.888+/-0.269 χ^2/NDF: 409.5/37

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -9.005+/-0.013 χ^2/NDF:45635.4/19

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

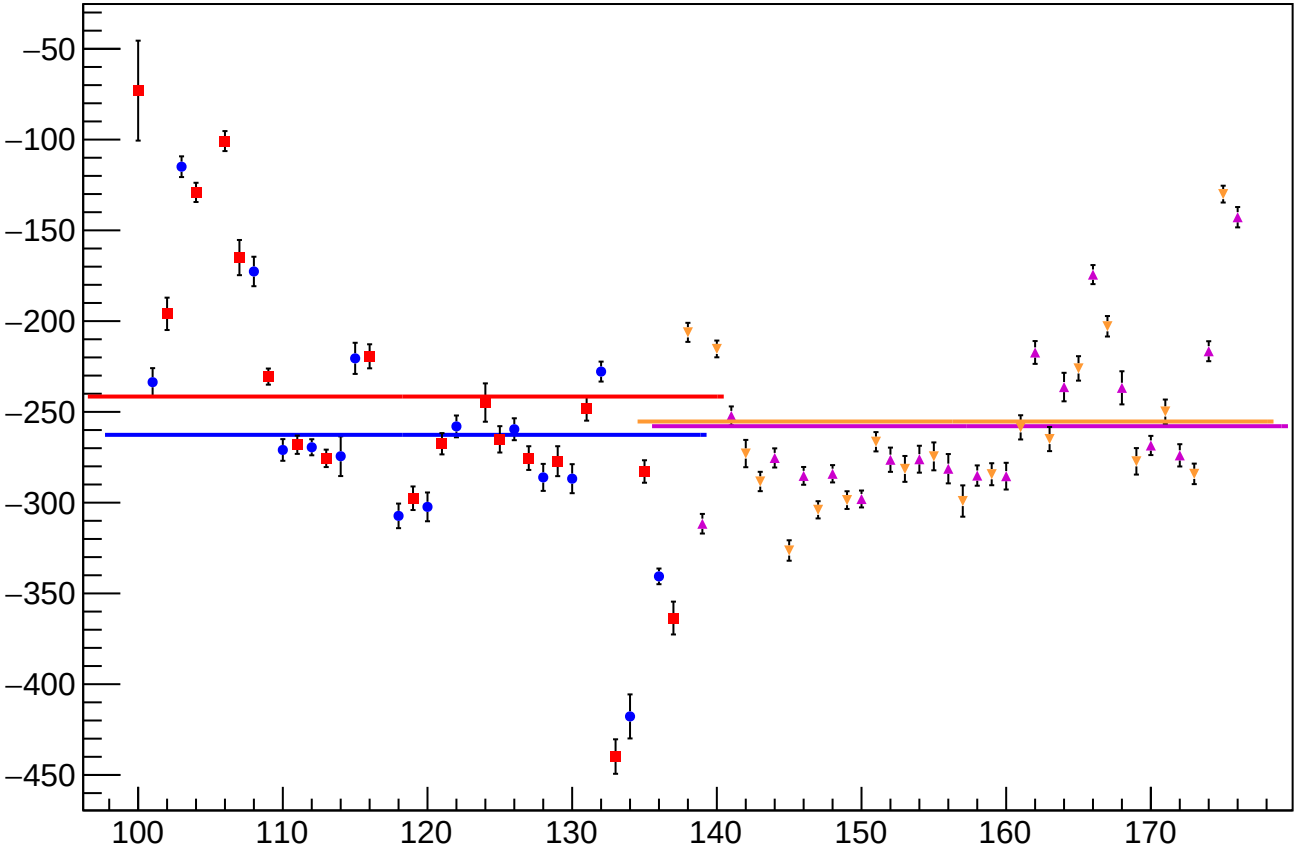
Left In: -9.470+/-0.013 χ^2/NDF:29732.6/18

+ sign -9.037+/-0.012 χ^2/NDF: 76836.7/35

All: -9.282+/-0.009 χ^2/NDF: 161356.5/73

- sign -9.528+/-0.012 χ^2/NDF: 83739.7/37

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -255.300+/-1.307 χ^2/NDF:1497.4/19

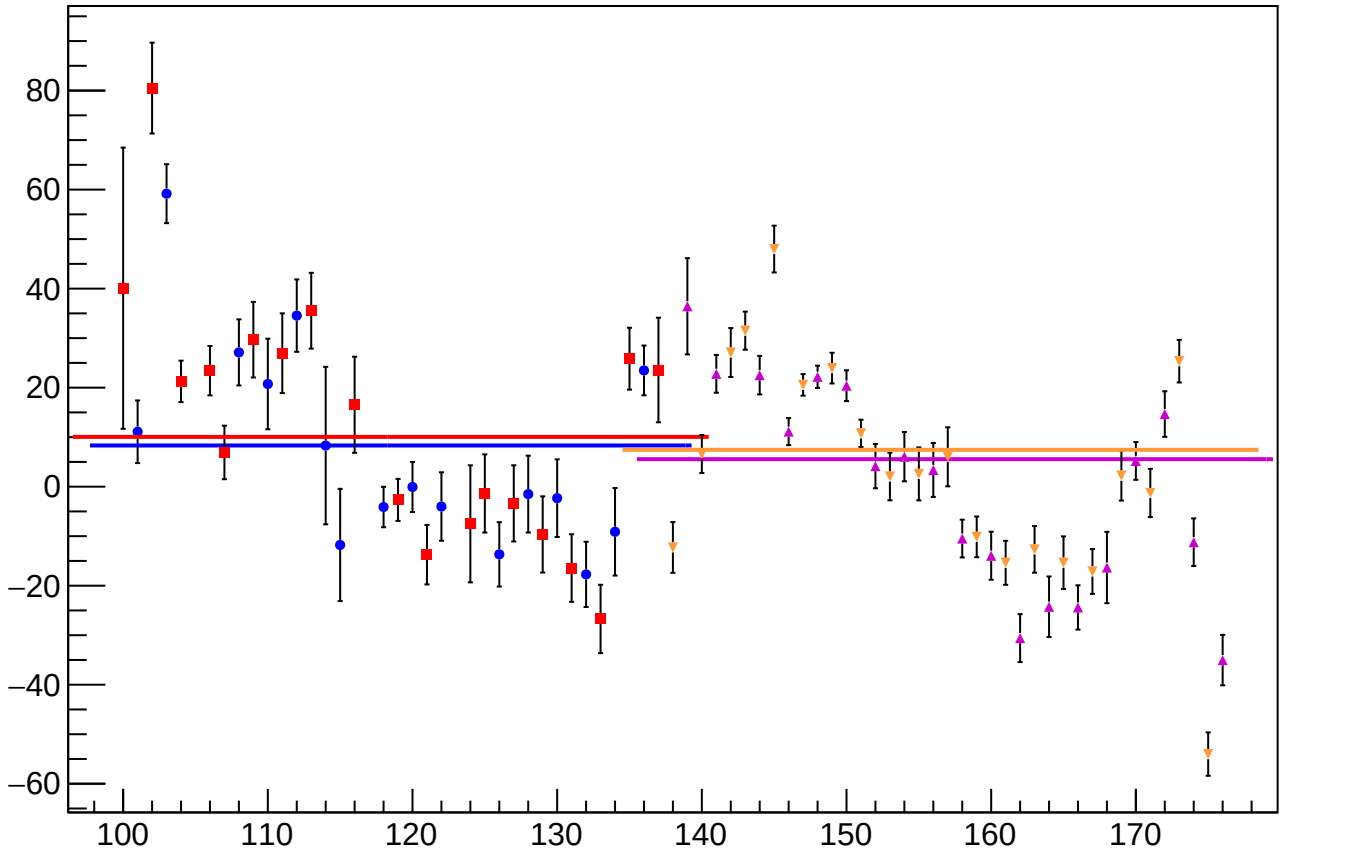
Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -257.881+/-1.334 χ^2/NDF:1103.3/18

\+ sign -258.209+/-1.016 χ^2/NDF: 2964.3/35

All: -254.391+/-0.712 χ^2/NDF: 6299.7/73

\- sign -250.700+/-0.999 χ^2/NDF: 3307.7/37



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 7.441+/-0.898 χ^2/NDF:541.1/19

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

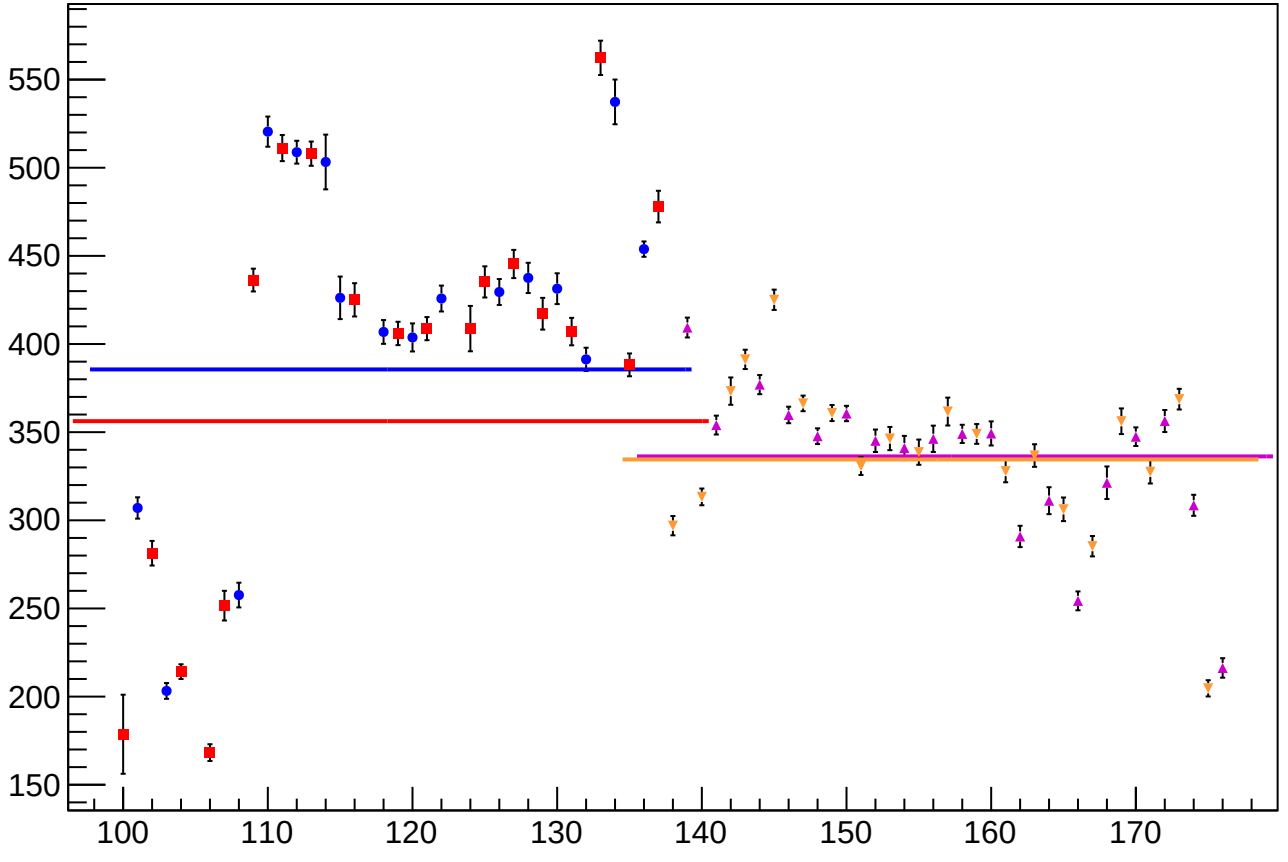
Left In: 5.552+/-0.932 χ^2/NDF:378.6/18

+ sign 7.643+/-0.788 χ^2/NDF: 699.0/35

All: 7.206+/-0.560 χ^2/NDF: 1272.0/73

- sign 6.759+/-0.797 χ^2/NDF: 572.3/37

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 334.532+/-1.285 χ^2/NDF:1480.6/19

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

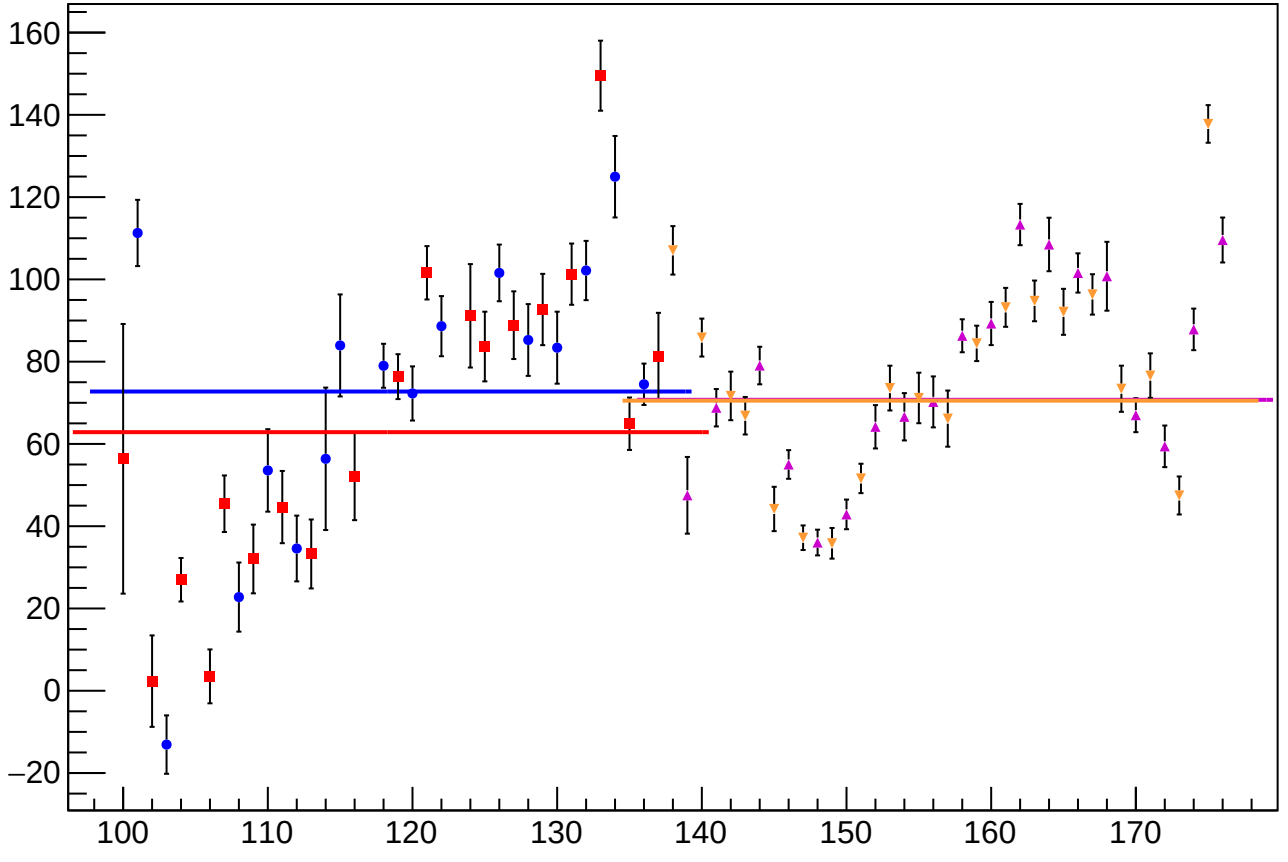
Left In: 336.248+/-1.308 χ^2/NDF:1124.1/18

+ sign 352.516+/-1.034 χ^2/NDF: 5410.0/35

All: 348.207+/-0.728 χ^2/NDF: 11929.2/73

- sign 343.982+/-1.024 χ^2/NDF: 6484.8/37

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 70.519+/-1.051 χ^2/NDF:656.2/19

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

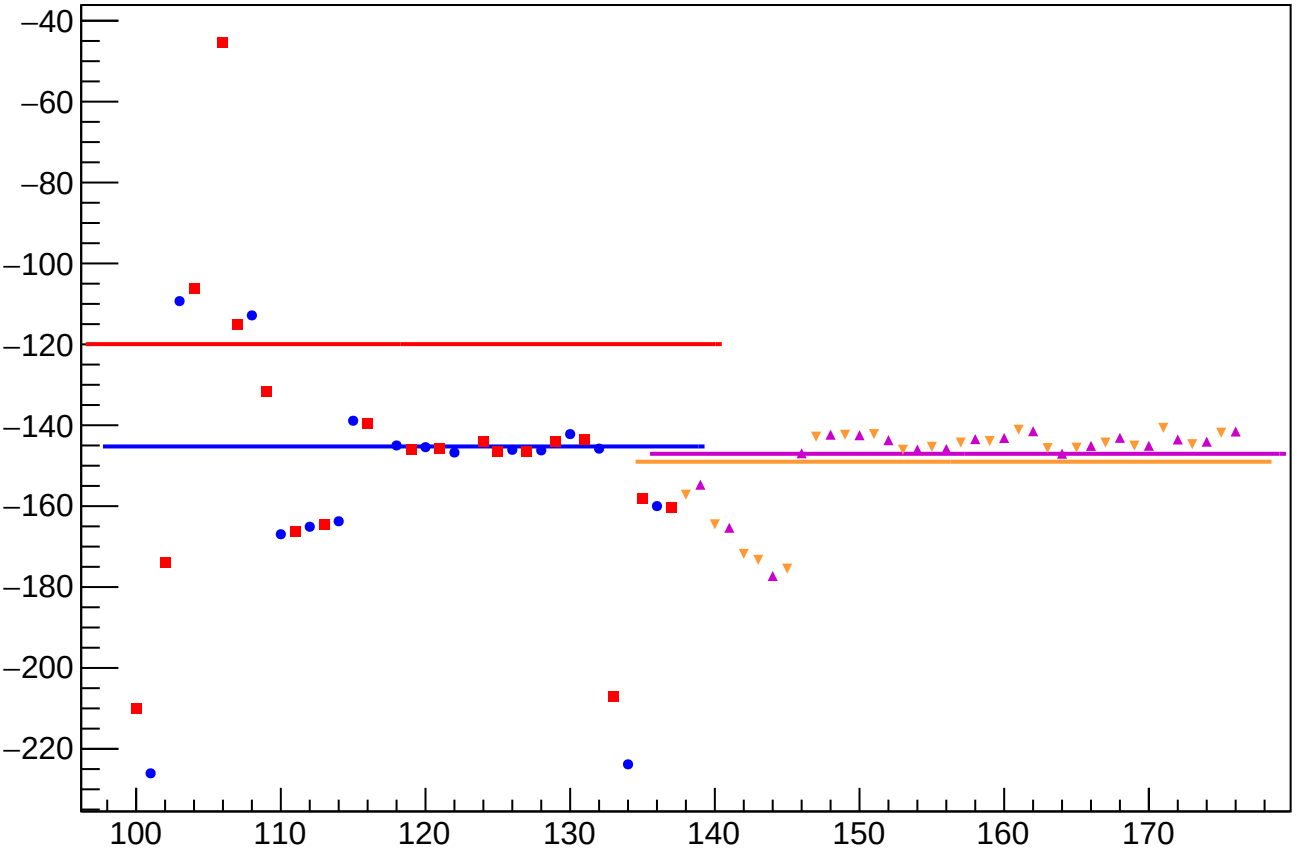
Left In: 70.728+/-1.083 χ^2/NDF:470.8/18

+ sign 71.041+/-0.920 χ^2/NDF: 961.5/35

All: 69.844+/-0.653 χ^2/NDF: 1853.4/73

- sign 68.628+/-0.927 χ^2/NDF: 888.4/37

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -149.019+/-0.050 χ^2/NDF:46684.9/19

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

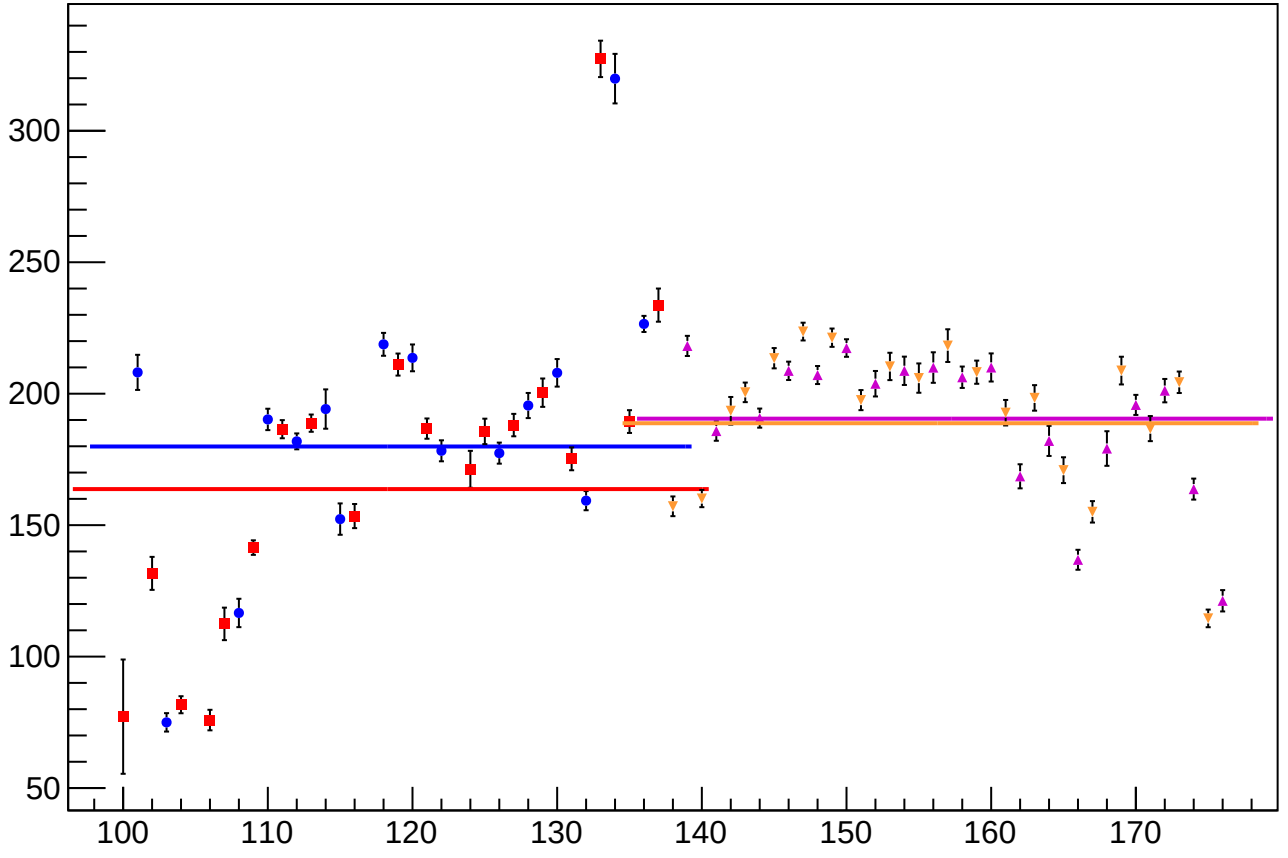
Left In: -147.058+/-0.050 χ^2/NDF:28082.0/18

+ sign -148.251+/-0.044 χ^2/NDF: 179914.4/35

All: -144.354+/-0.031 χ^2/NDF: 564305.8/73

- sign -140.646+/-0.043 χ^2/NDF: 369328.6/37

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 188.767+/-0.937 χ^2/NDF:1071.3/19

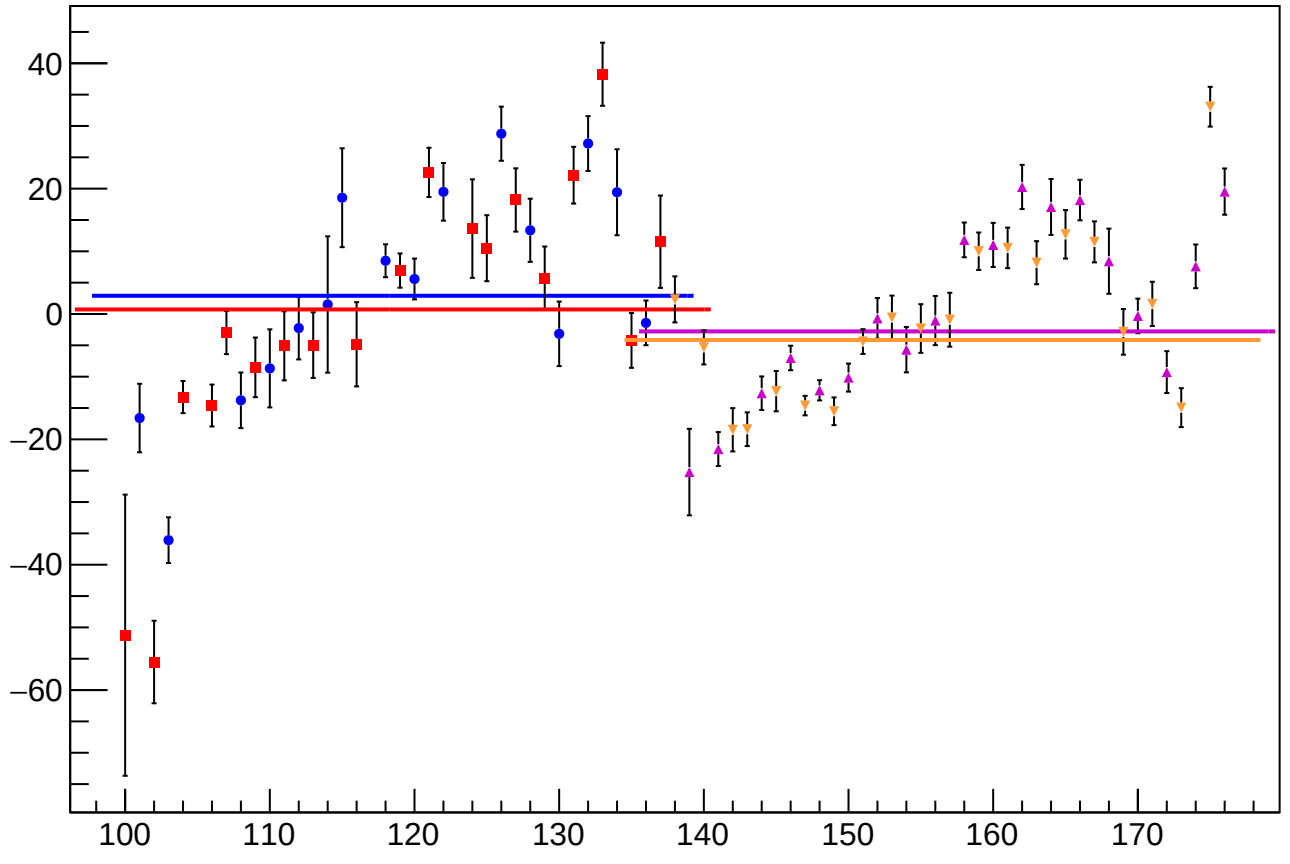
Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 190.502+/-0.958 χ^2/NDF:799.3/18

+ sign 185.002+/-0.710 χ^2/NDF: 2841.9/35

All: 181.253+/-0.496 χ^2/NDF: 6486.0/73

- sign 177.689+/-0.692 χ^2/NDF: 3589.7/37



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -4.153+/-0.643 χ^2/NDF:378.9/19

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

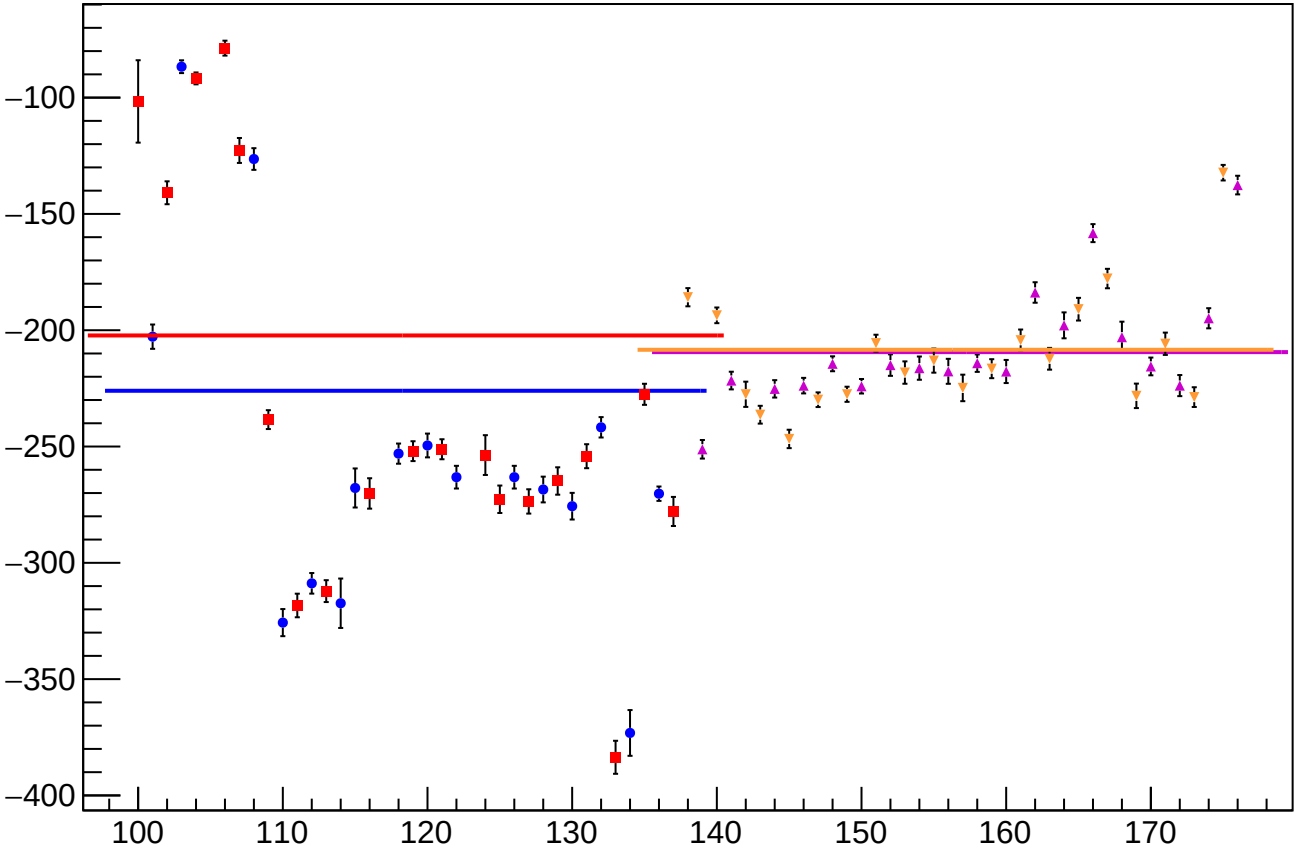
Left In: -2.775+/-0.670 χ^2/NDF:325.1/18

+ sign -2.365+/-0.556 χ^2/NDF: 656.9/35

All: -2.038+/-0.394 χ^2/NDF: 1264.6/73

- sign -1.708+/-0.558 χ^2/NDF: 607.0/37

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -208.404+/-0.921 χ^2/NDF:934.0/19

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

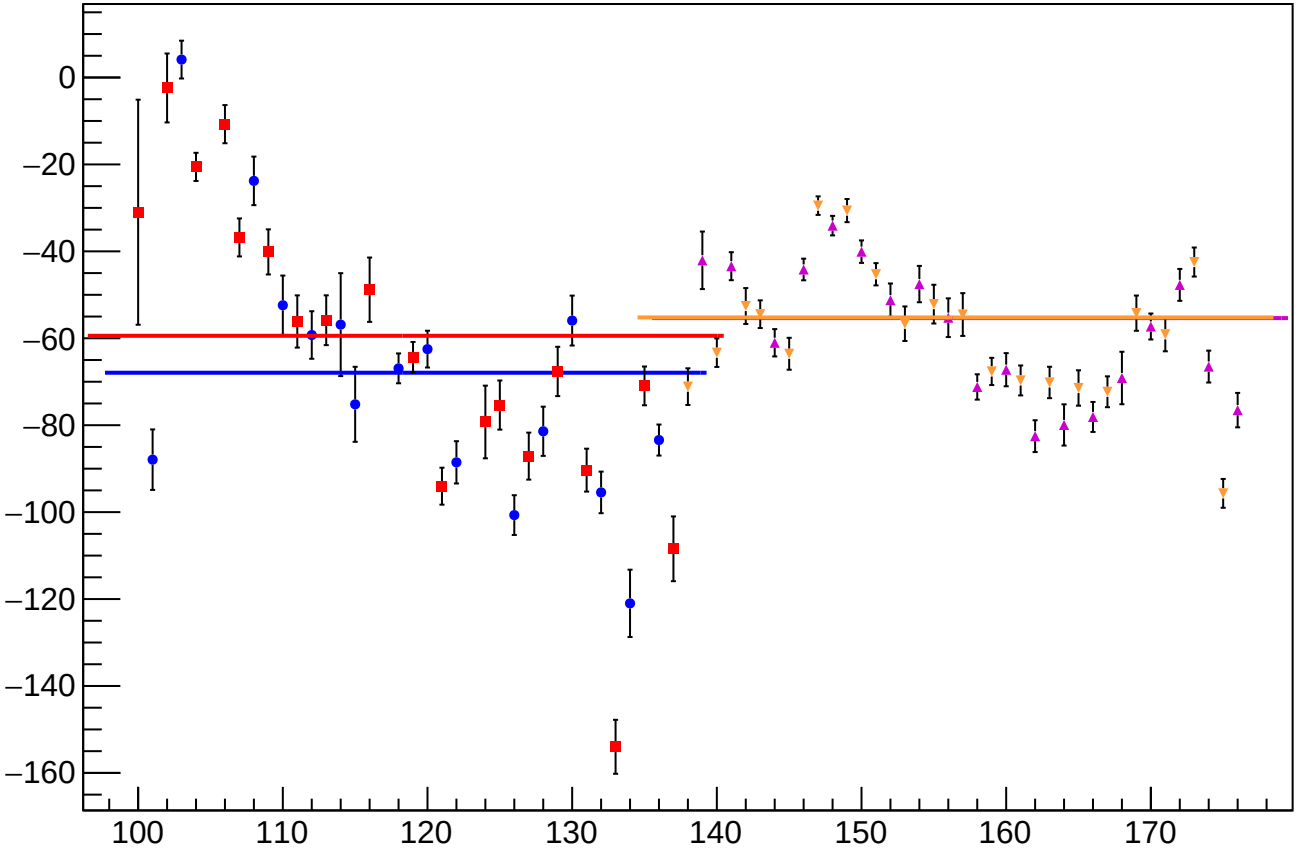
Left In: -209.409+/-0.940 χ^2/NDF:750.0/18

+ sign -215.113+/-0.725 χ^2/NDF: 5612.4/35

All: -210.644+/-0.508 χ^2/NDF: 13152.5/73

- sign -206.346+/-0.711 χ^2/NDF: 7465.6/37

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -55.211+/-0.754 χ^2/NDF:527.1/19

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

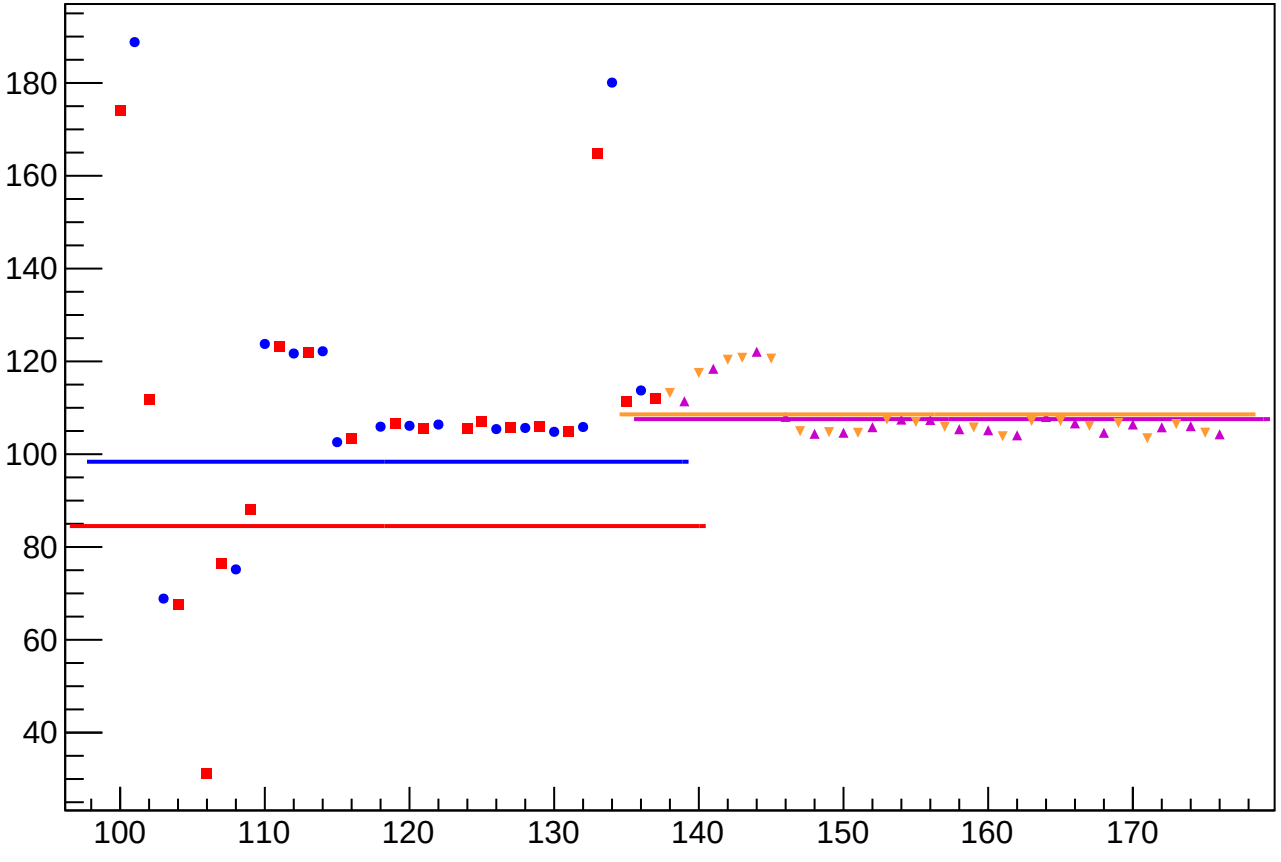
Left In: -55.356+/-0.779 χ^2/NDF:383.0/18

+ sign -58.494+/-0.649 χ^2/NDF: 1134.5/35

All: -57.542+/-0.460 χ^2/NDF: 2324.9/73

- sign -56.586+/-0.651 χ^2/NDF: 1186.1/37

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.583+/-0.036 χ^2/NDF:25028.7/19

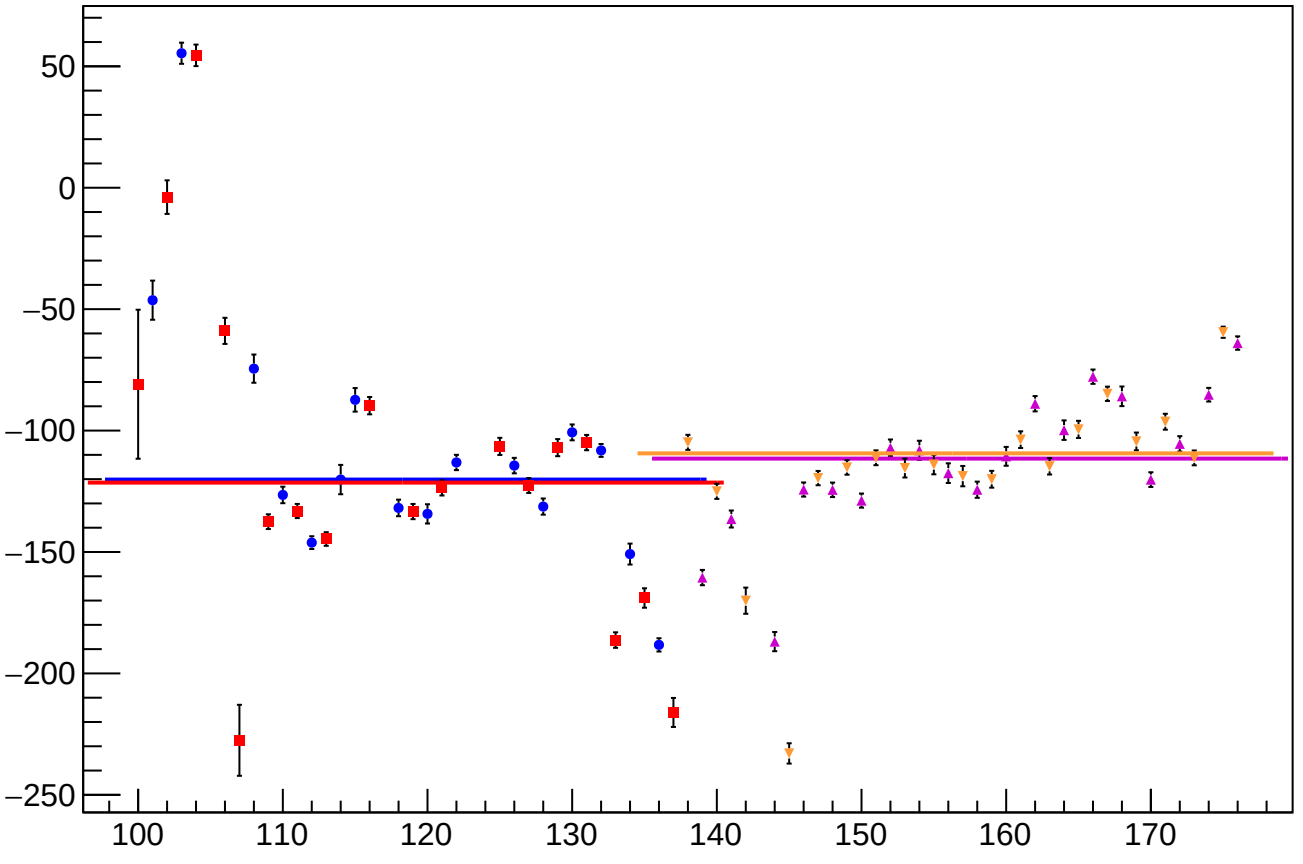
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.561+/-0.036 χ^2/NDF:16151.1/18

+ sign 106.276+/-0.031 χ^2/NDF: 271933.8/35

All: 103.909+/-0.022 χ^2/NDF: 675530.6/73

- sign 101.642+/-0.031 χ^2/NDF: 392468.0/37



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -109.384+/-0.760 χ^2/NDF:1627.7/18

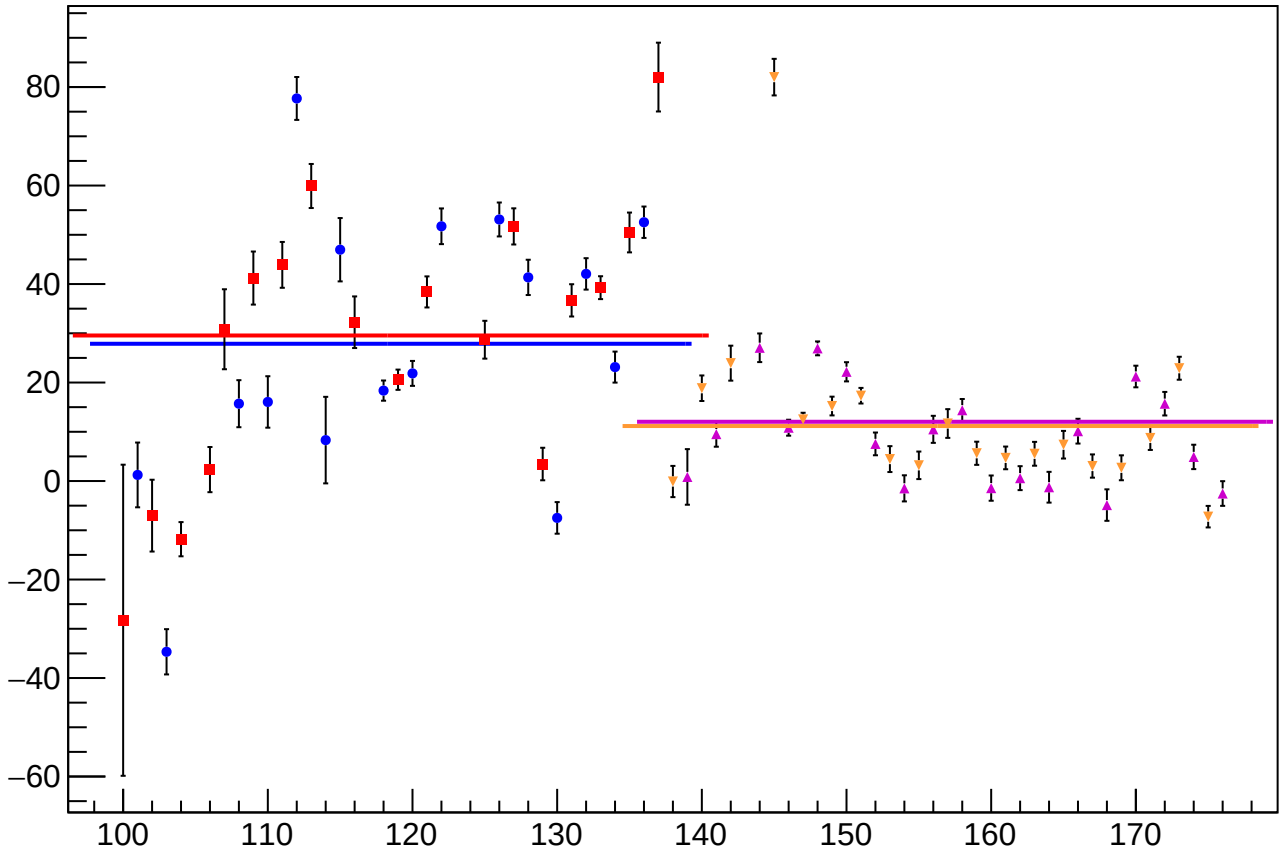
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -111.540+/-0.752 χ^2/NDF:1375.5/18

\+ sign -113.931+/-0.578 χ^2/NDF: 4404.0/34

All: -114.846+/-0.406 χ^2/NDF: 8984.0/71

\- sign -115.737+/-0.571 χ^2/NDF: 4575.1/36



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 11.166+/-0.529 χ^2/NDF:574.4/18

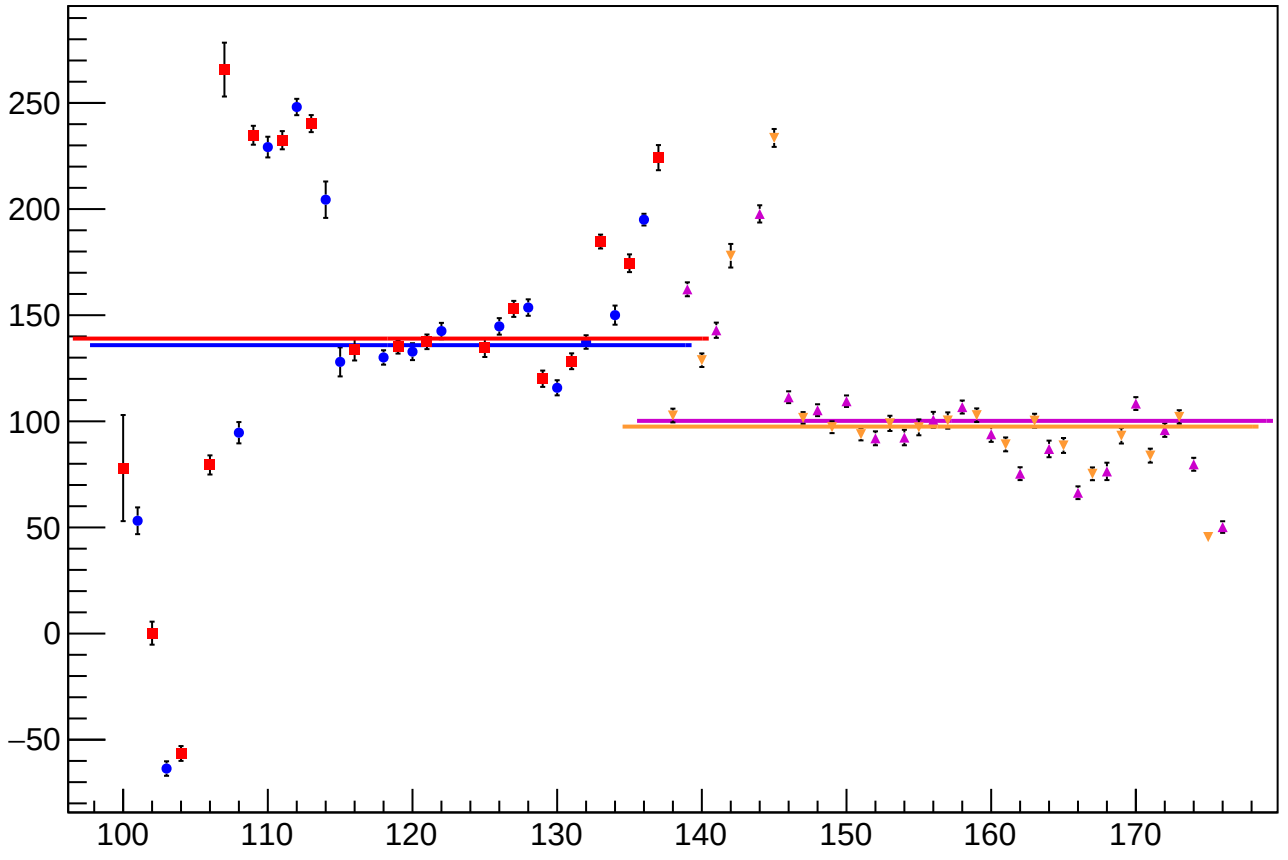
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.034+/-0.535 χ^2/NDF:360.8/18

\+ sign 15.541+/-0.454 χ^2/NDF: 1535.2/34

All: 16.110+/-0.323 χ^2/NDF: 2681.3/71

\- sign 16.690+/-0.459 χ^2/NDF: 1142.9/36



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 97.516+/-0.744 χ^2/NDF:1955.0/18

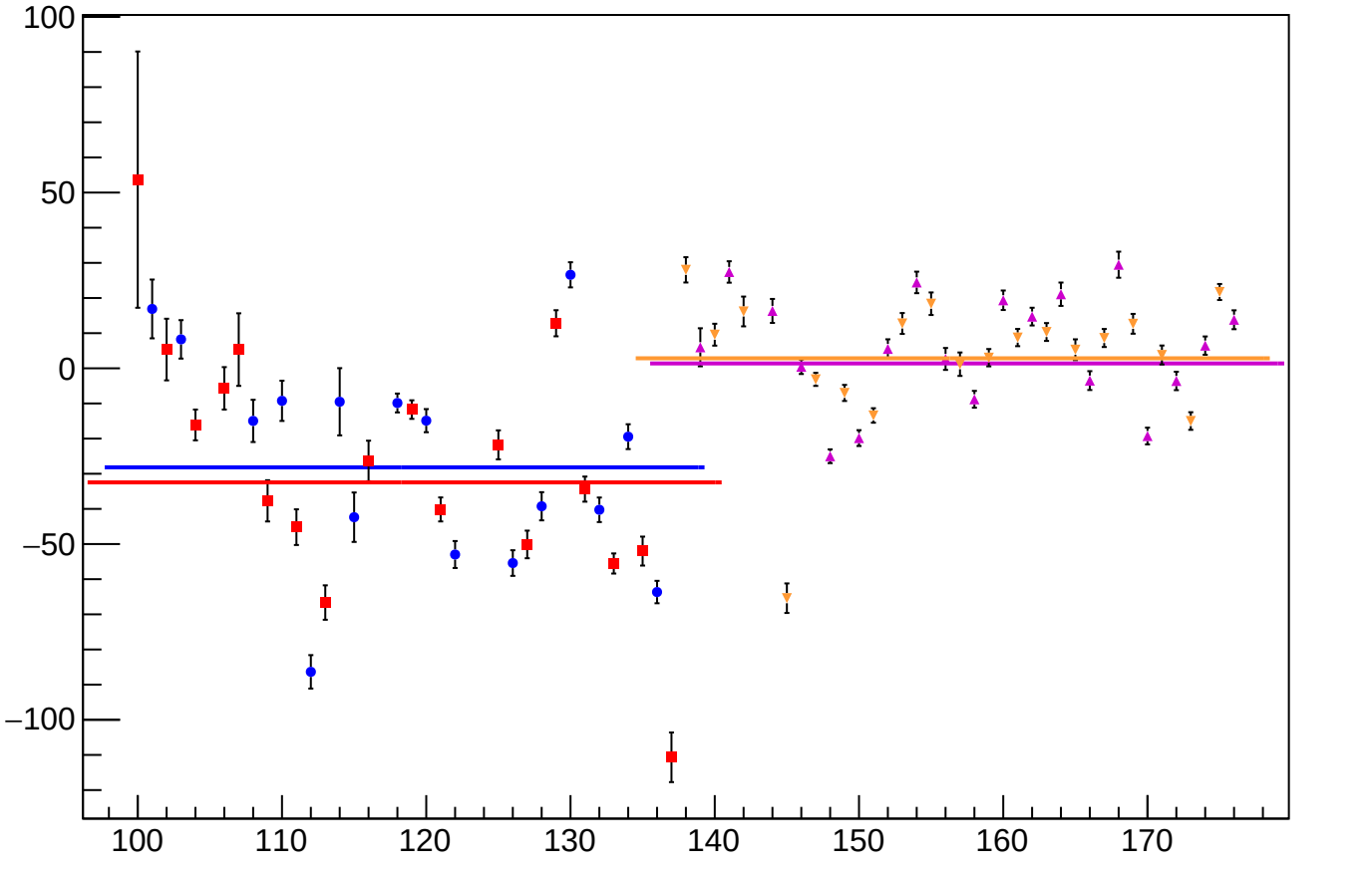
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 100.217+/-0.738 χ^2/NDF:1751.8/18

\+ sign 111.204+/-0.596 χ^2/NDF: 8368.3/34

All: 112.565+/-0.421 χ^2/NDF: 17262.4/71

\- sign 113.911+/-0.593 χ^2/NDF: 8883.7/36



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 2.853+/-0.611 χ^2/NDF:604.9/18

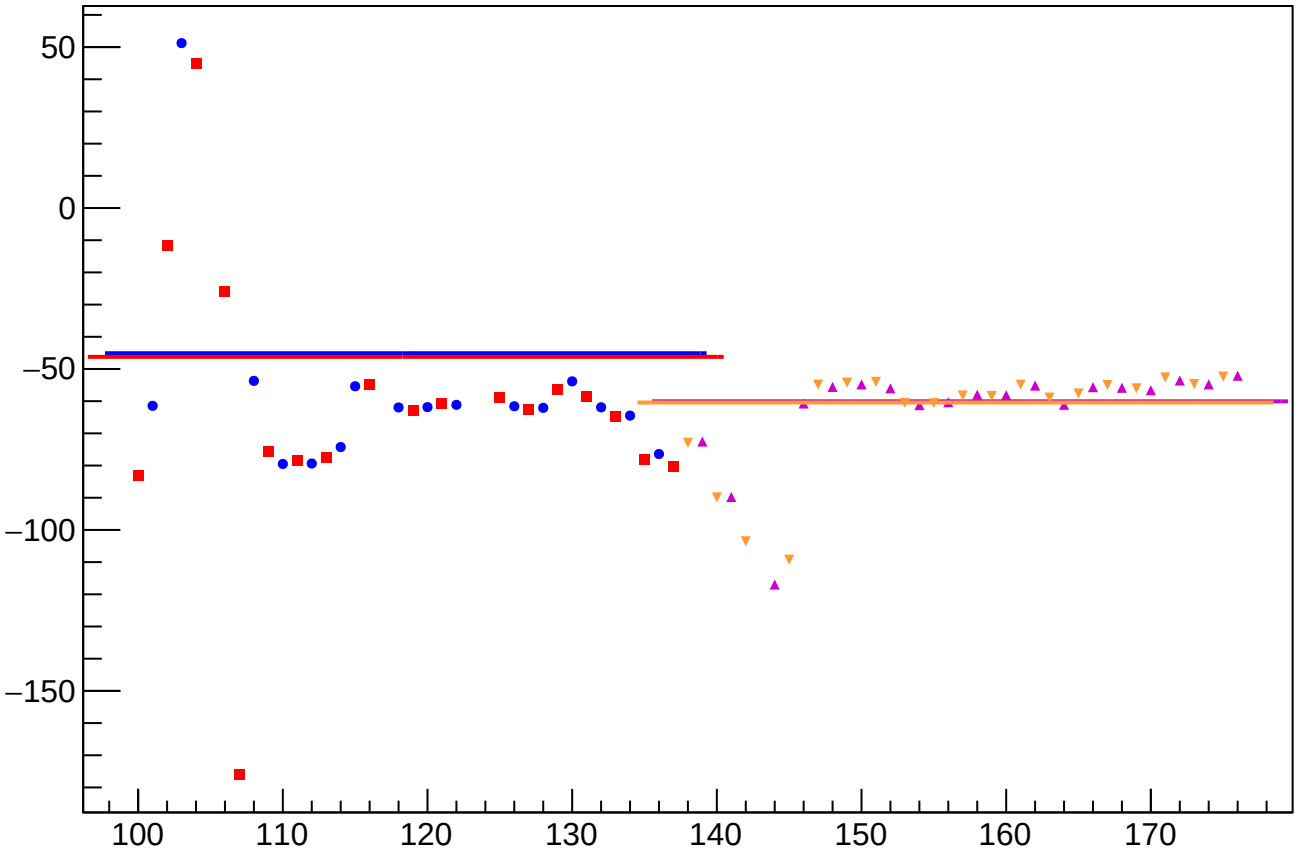
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 1.384+/-0.616 χ^2/NDF:710.8/18

+ sign -5.320+/-0.525 χ^2/NDF: 2074.7/34

All: -6.433+/-0.372 χ^2/NDF: 4173.8/71

- sign -7.560+/-0.528 χ^2/NDF: 2090.0/36



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -60.410+/-0.028 χ^2/NDF:202531.1/18

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

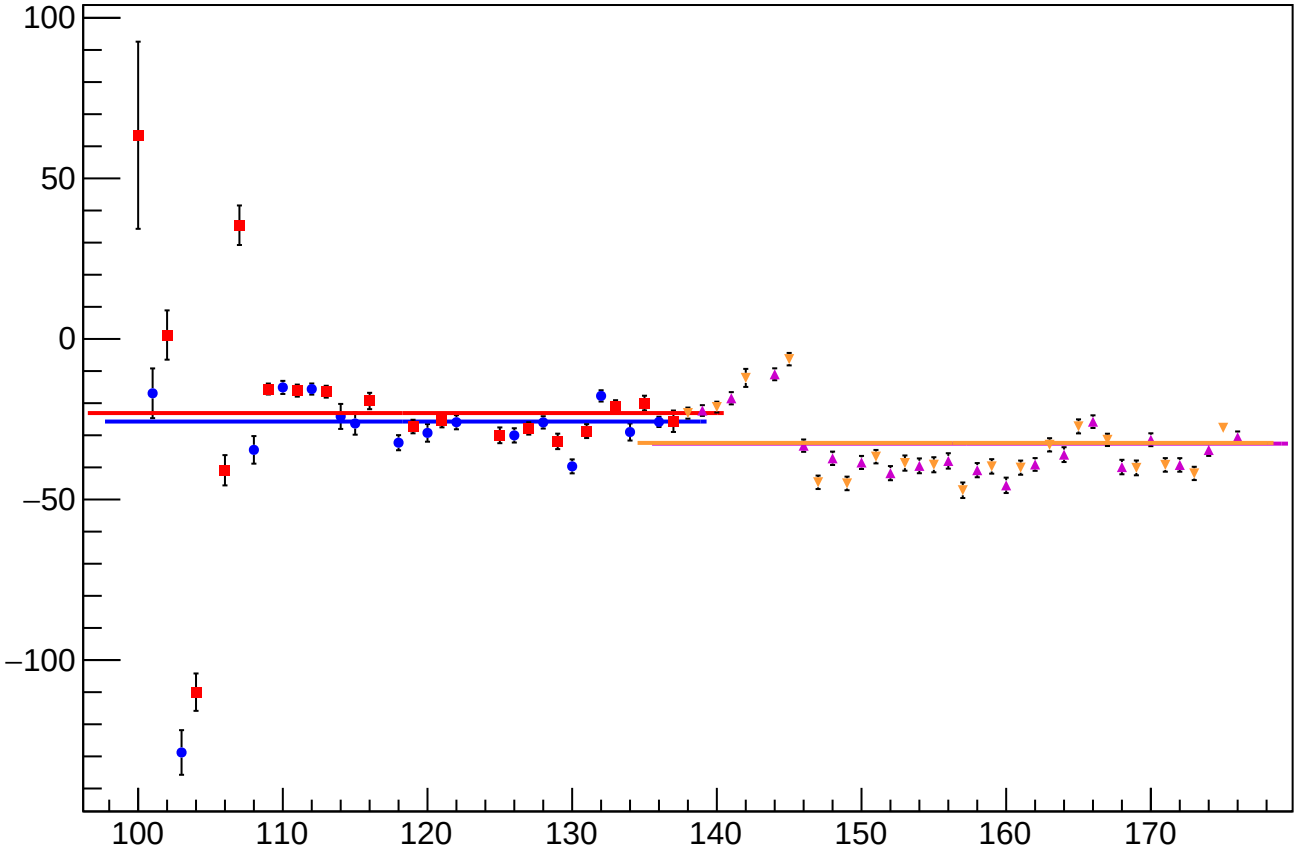
Left In: -60.047+/-0.028 χ^2/NDF:171157.7/18

\+ sign -57.644+/-0.026 χ^2/NDF: 830783.4/34

All: -57.724+/-0.018 χ^2/NDF: 1536402.6/71

\- sign -57.802+/-0.025 χ^2/NDF: 705600.0/36

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: -32.373+/-0.473 χ^2/NDF:512.7/18

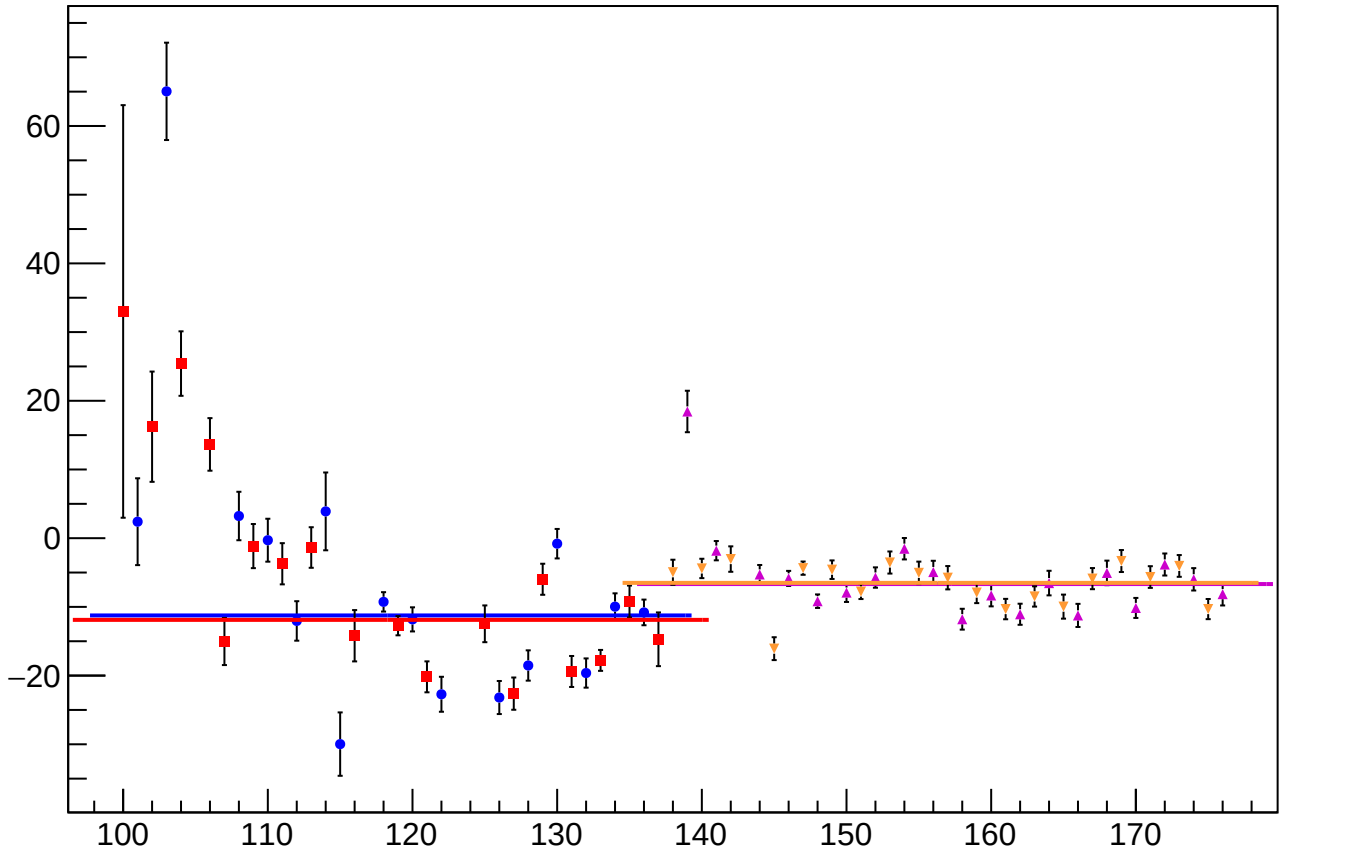
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.599+/-0.468 χ^2/NDF:363.8/18

+ sign -29.772+/-0.369 χ^2/NDF: 953.0/34

All: -29.311+/-0.259 χ^2/NDF: 1919.5/71

- sign -28.861+/-0.365 χ^2/NDF: 963.5/36



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.504+/-0.338 χ^2/NDF:78.9/18

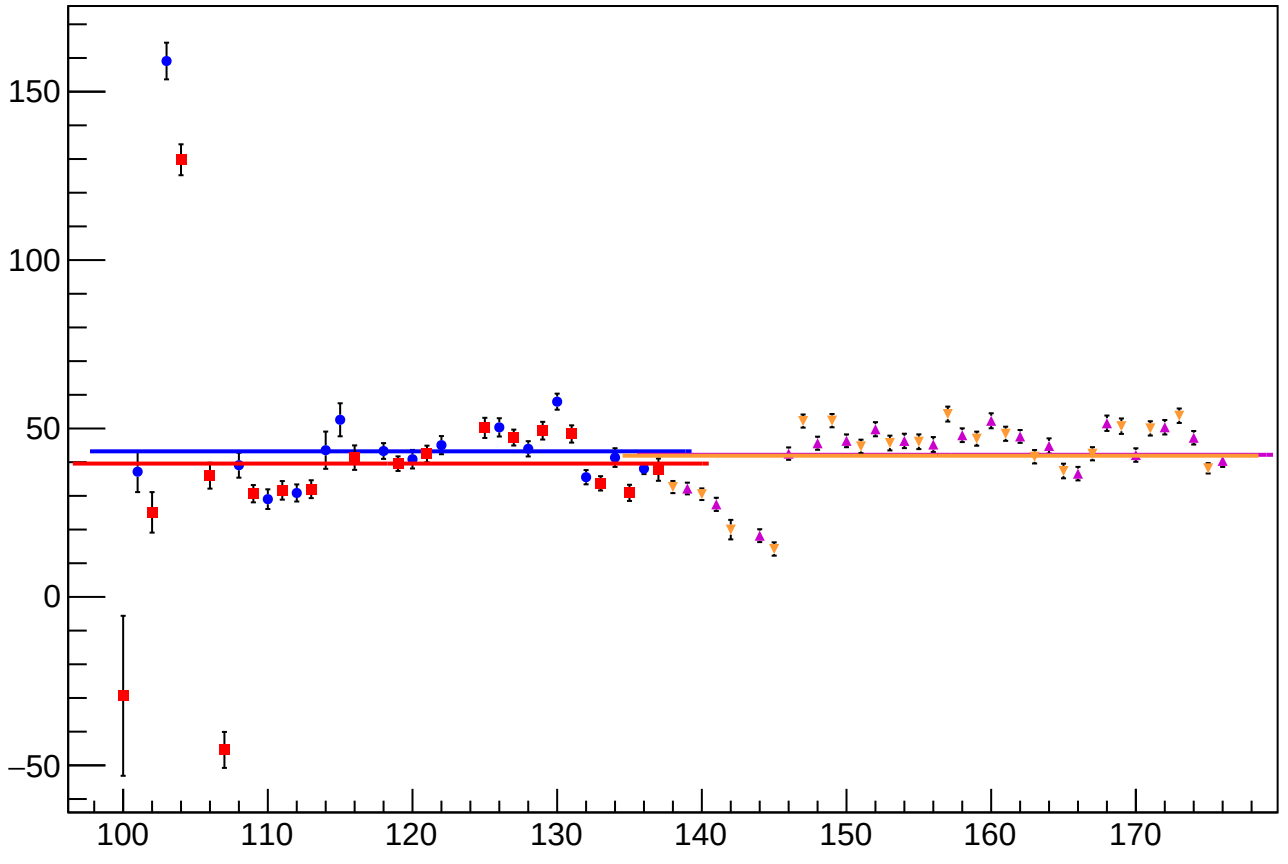
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.676+/-0.341 χ^2/NDF:141.2/18

\+ sign -7.645+/-0.294 χ^2/NDF: 397.5/34

All: -7.783+/-0.209 χ^2/NDF: 819.7/71

\- sign -7.924+/-0.297 χ^2/NDF: 421.8/36



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 41.930+/-0.465 χ^2/NDF:503.4/18

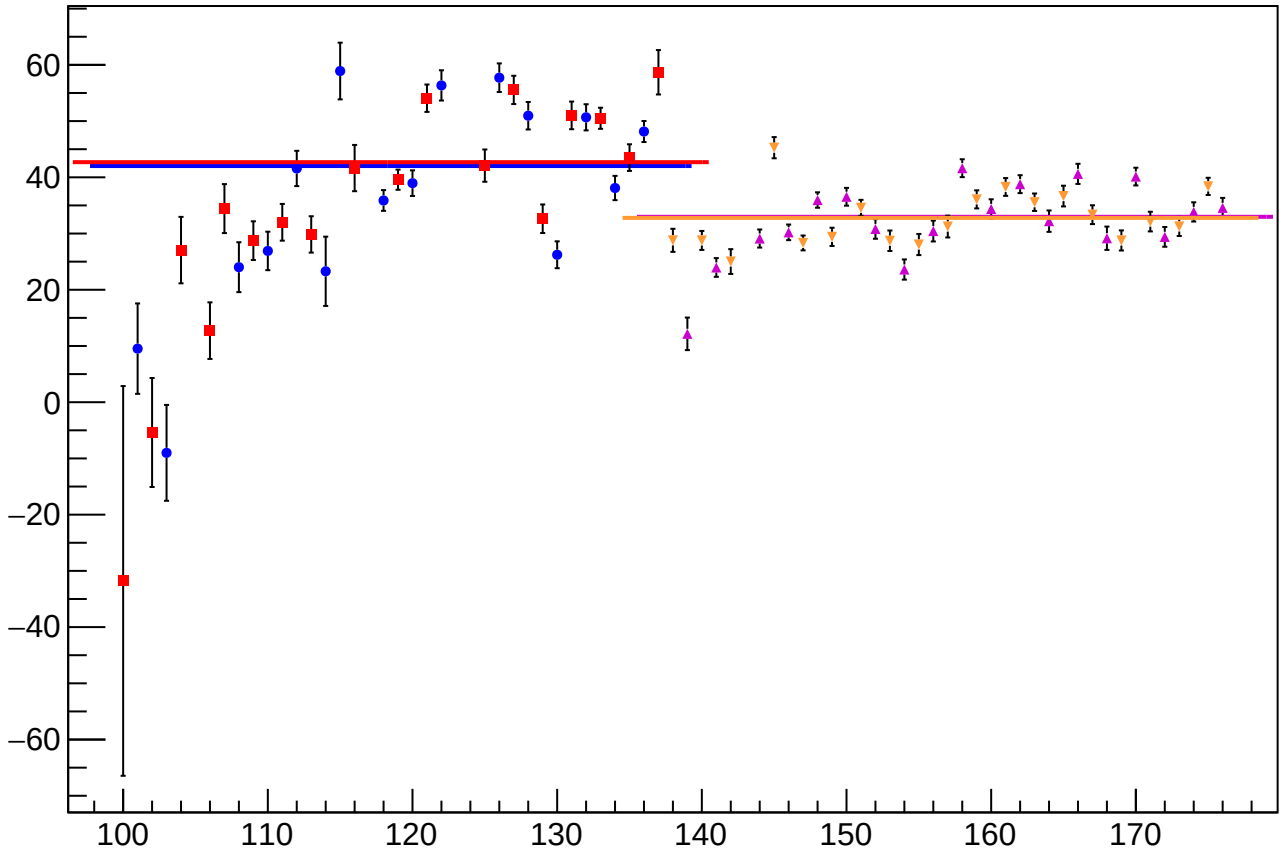
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 42.192+/-0.460 χ^2/NDF:358.1/18

\+ sign 42.343+/-0.383 χ^2/NDF: 1081.9/34

All: 41.860+/-0.271 χ^2/NDF: 2207.2/71

\- sign 41.381+/-0.382 χ^2/NDF: 1122.1/36



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.786+/-0.388 χ^2/NDF:138.5/18

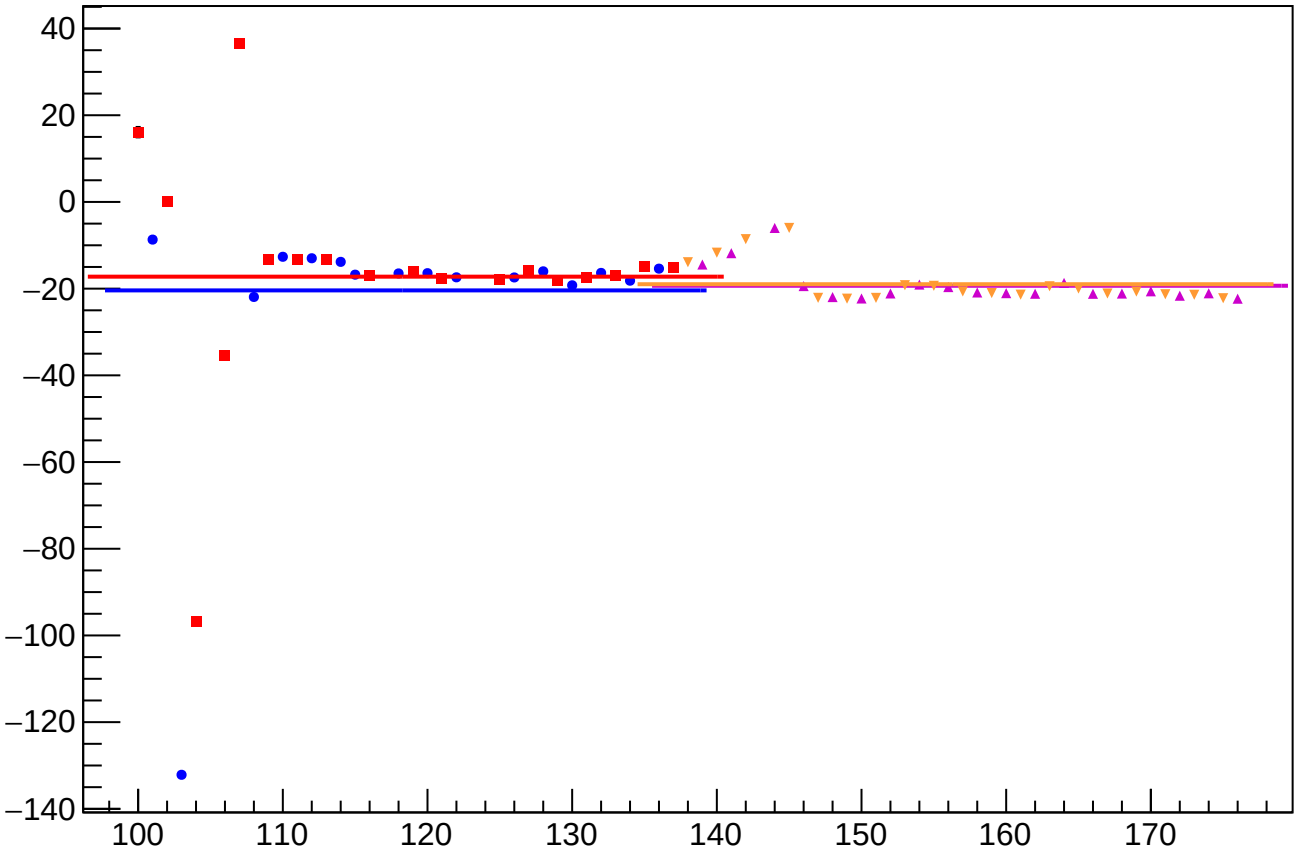
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.975+/-0.390 χ^2/NDF:222.2/18

+ sign 35.031+/-0.337 χ^2/NDF: 548.8/34

All: 35.165+/-0.239 χ^2/NDF: 1150.6/71

- sign 35.302+/-0.340 χ^2/NDF: 601.4/36



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -18.980+/-0.018 χ^2/NDF:62162.3/18

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

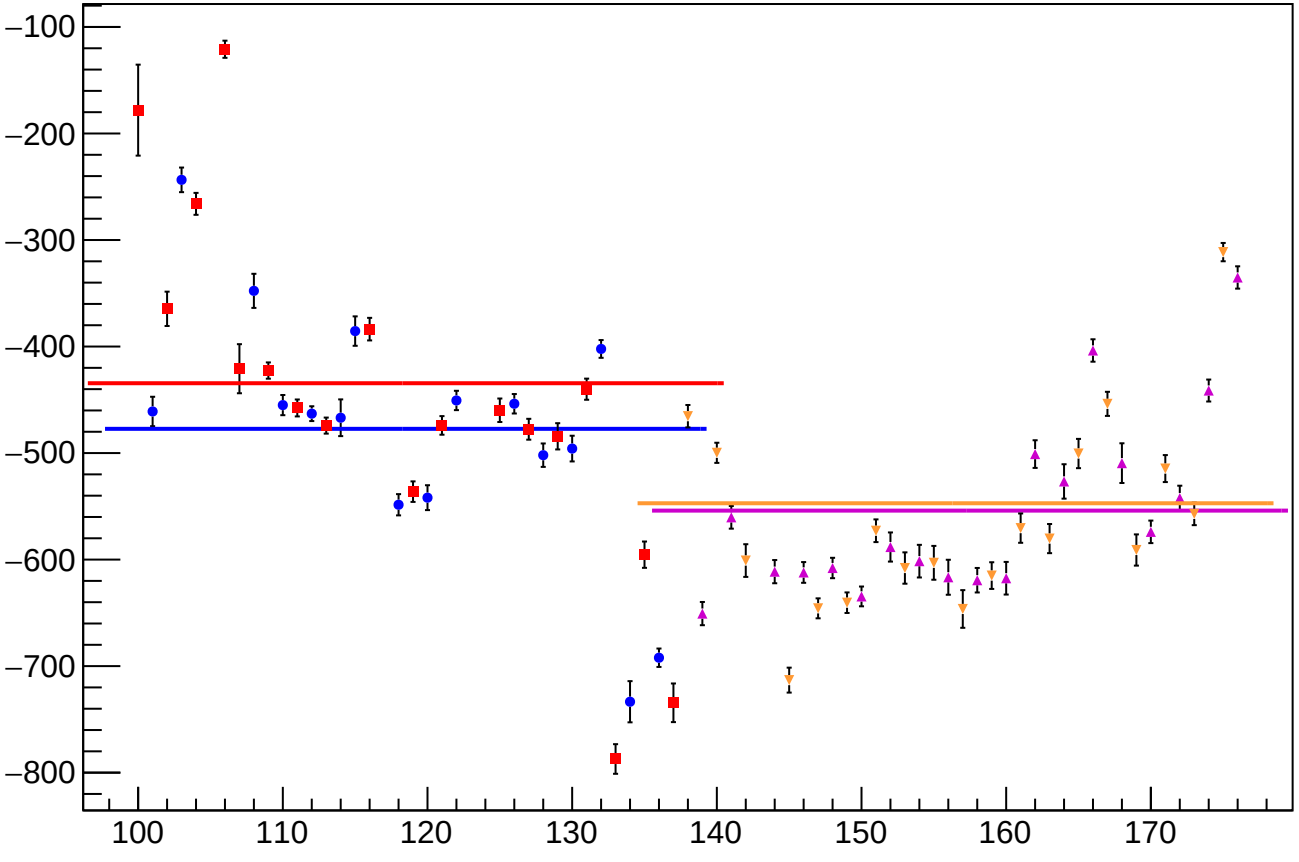
Left In: -19.335+/-0.017 χ^2/NDF:48903.6/18

+ sign -19.193+/-0.016 χ^2/NDF: 308757.3/34

All: -19.125+/-0.011 χ^2/NDF: 564321.0/71

- sign -19.059+/-0.016 χ^2/NDF: 255529.0/36

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: -547.122+/-2.692 χ^2/NDF:1457.0/18

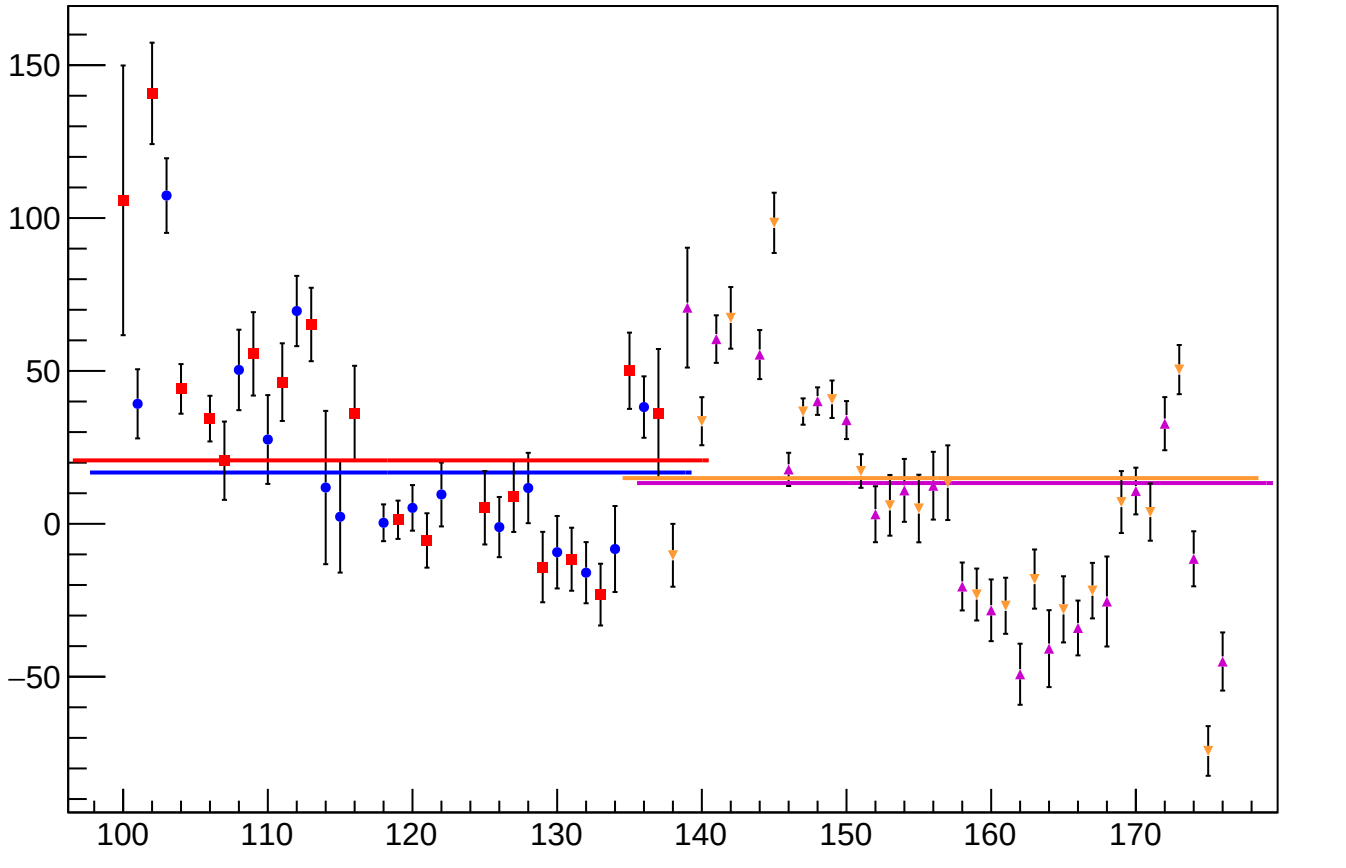
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -554.020+/-2.668 χ^2/NDF:1118.4/18

\+ sign -511.411+/-1.882 χ^2/NDF: 3312.0/34

All: -500.015+/-1.305 χ^2/NDF: 8747.0/71

\- sign -489.477+/-1.810 χ^2/NDF: 5364.5/36



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 14.951+/-1.846 χ^2/NDF:382.3/18

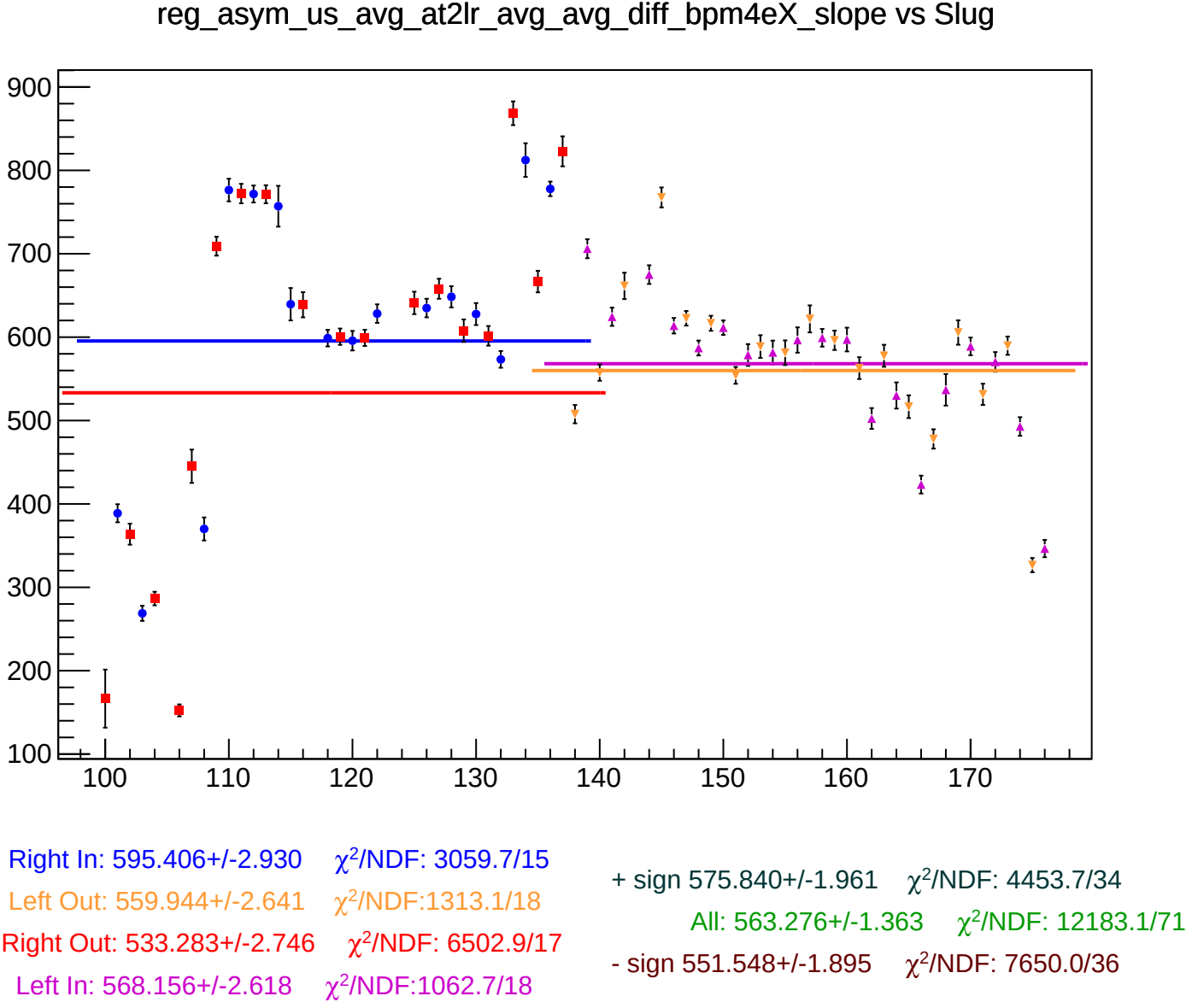
Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 13.335+/-1.868 χ^2/NDF:299.5/18

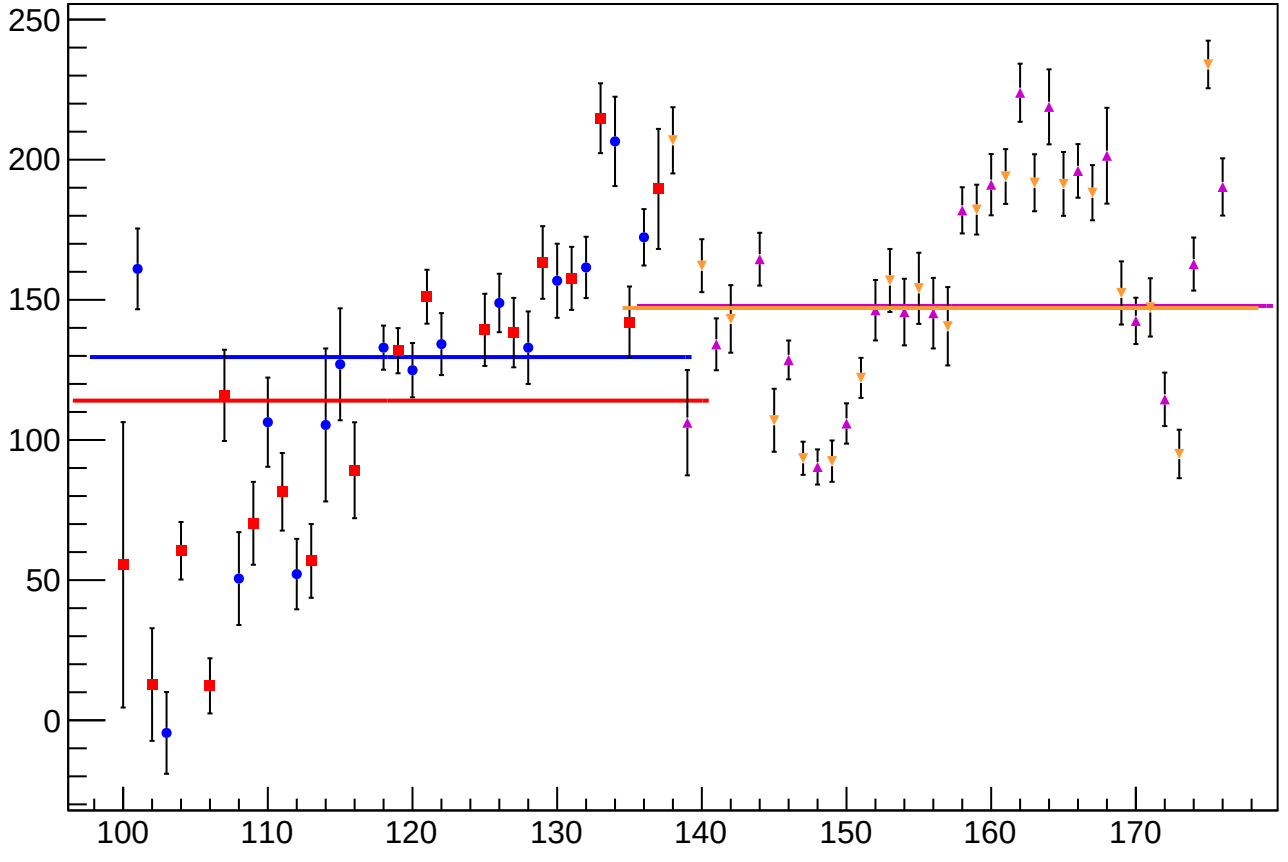
\+ sign 15.547+/-1.515 χ^2/NDF: 507.6/34

All: 15.738+/-1.068 χ^2/NDF: 970.6/71

\- sign 15.926+/-1.507 χ^2/NDF: 463.0/36


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug
900
800
700
600
500
400
300
200
100
100
110
120
130
140
150
160
170
Right In: 595.406+/-2.930 χ2/NDF: 3059.7/15
Left Out: 559.944+/-2.641 χ2/NDF:1313.1/18
Right Out: 533.283+/-2.746 χ2/NDF: 6502.9/17
Left In: 568.156+/-2.618 χ2/NDF:1062.7/18
+ sign 575.840+/-1.961 χ2/NDF: 4453.7/34
All: 563.276+/-1.363 χ2/NDF: 12183.1/71
- sign 551.548+/-1.895 χ2/NDF: 7650.0/36

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 147.083+/-2.160 χ^2/NDF:423.6/18

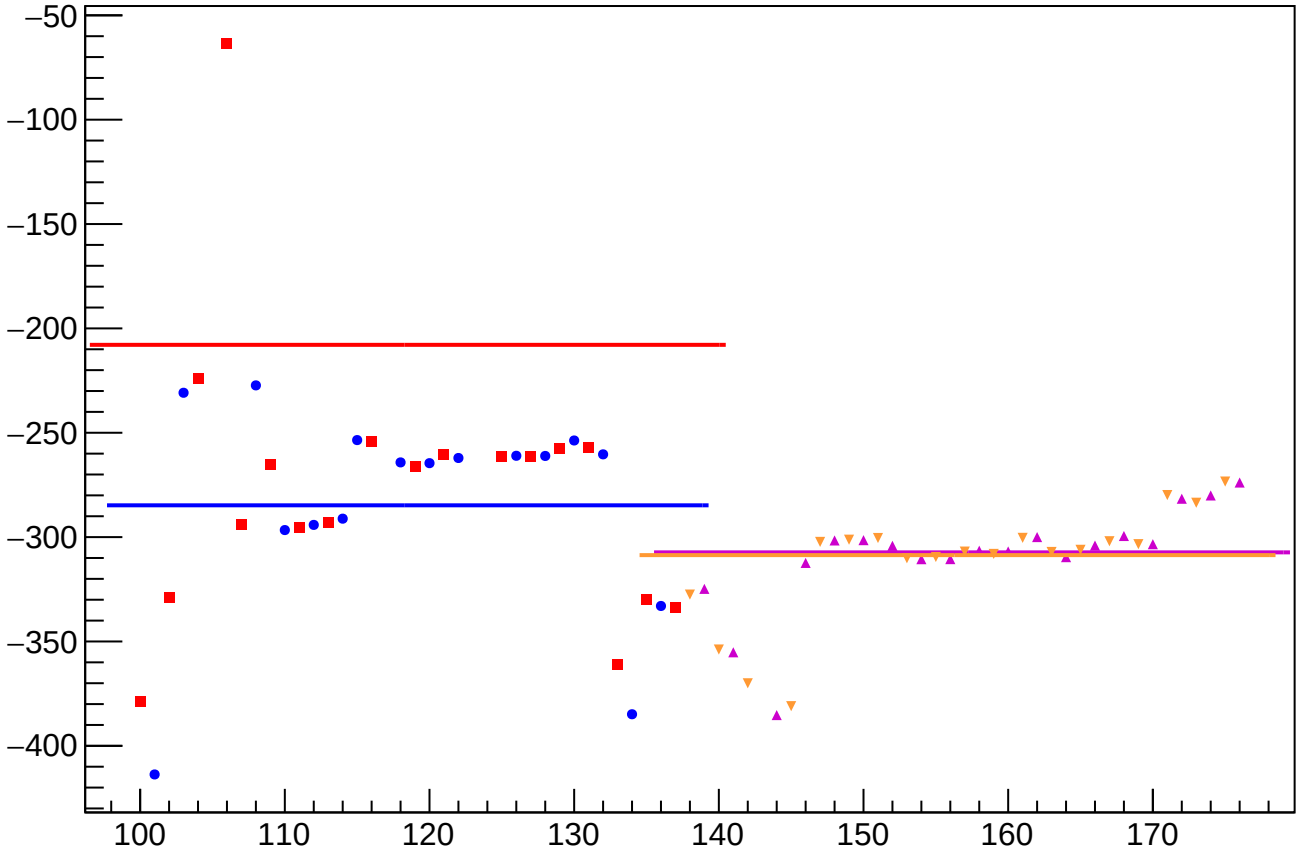
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 147.825+/-2.171 χ^2/NDF:318.5/18

+ sign 141.316+/-1.769 χ^2/NDF: 656.4/34

All: 138.682+/-1.245 χ^2/NDF: 1399.3/71

- sign 136.092+/-1.754 χ^2/NDF: 738.5/36



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -308.627+/-0.102 χ^2/NDF:63303.9/18

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

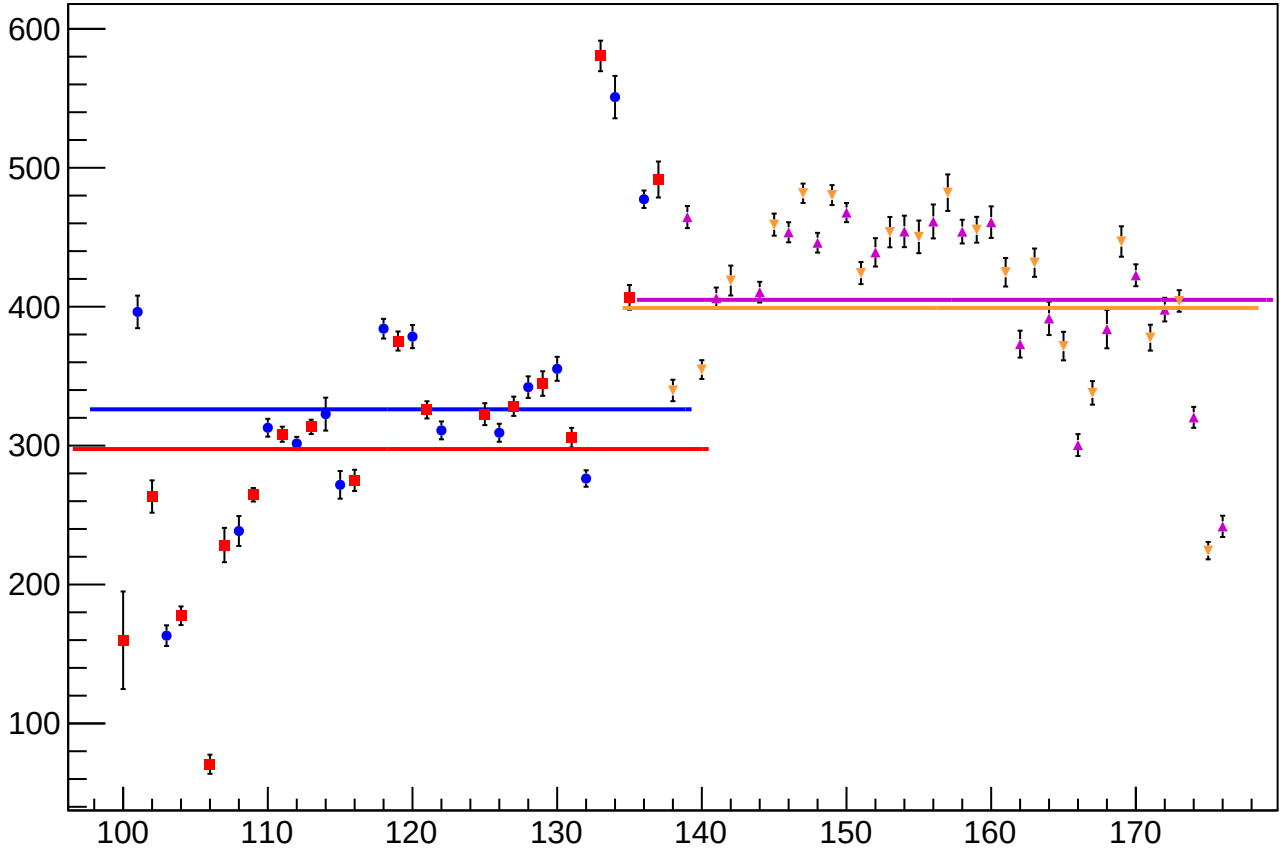
Left In: -307.306+/-0.099 χ^2/NDF:53376.7/18

+ sign -302.706+/-0.088 χ^2/NDF: 181254.6/34

All: -288.818+/-0.060 χ^2/NDF: 1126463.7/71

- sign -276.718+/-0.083 χ^2/NDF: 899067.2/36

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: 399.121+/-1.974 χ^2/NDF:1440.7/18

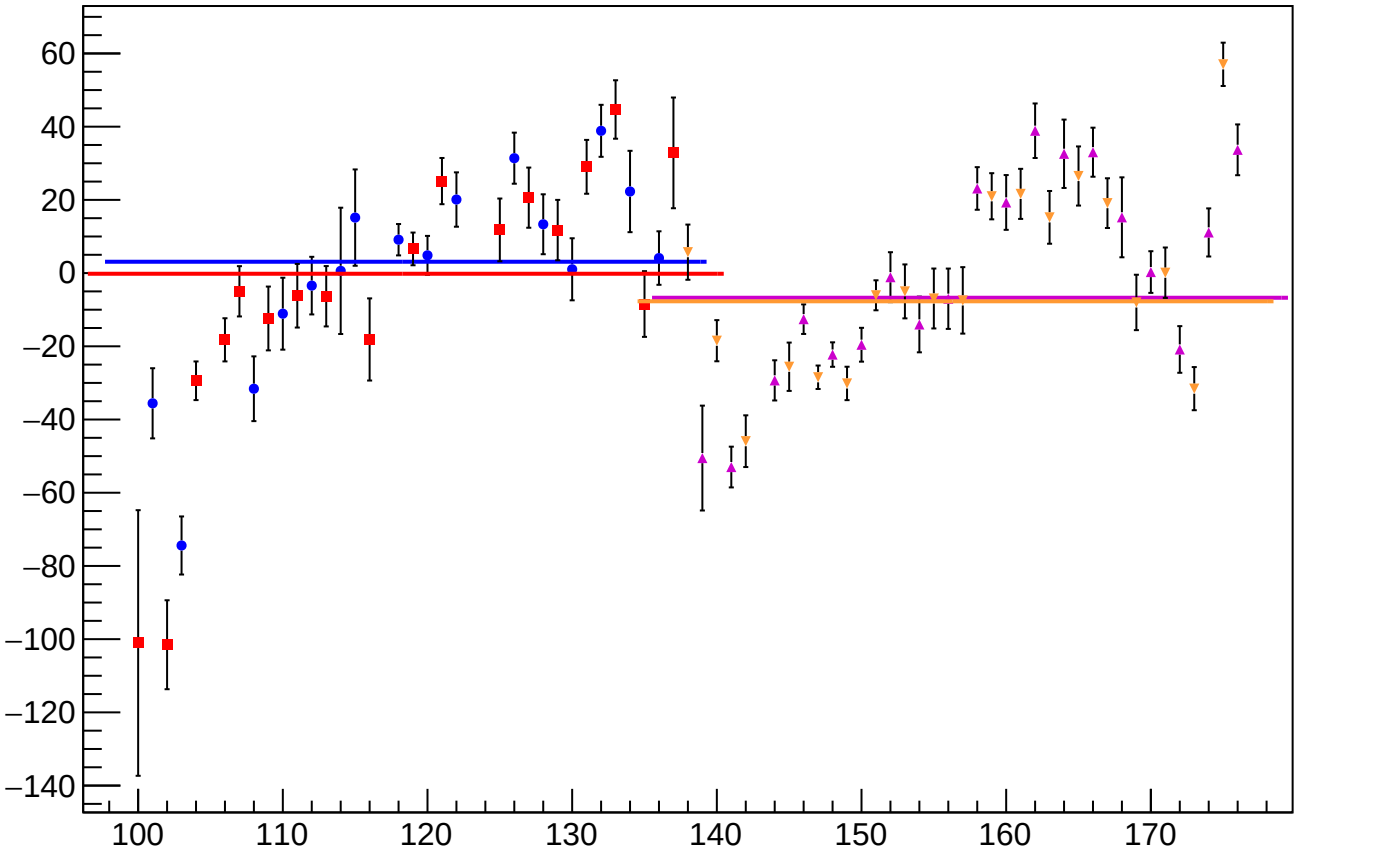
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 404.936+/-1.960 χ^2/NDF:1104.2/18

+ sign 360.388+/-1.353 χ^2/NDF: 3808.8/34

All: 352.232+/-0.937 χ^2/NDF: 9442.1/71

- sign 344.712+/-1.299 χ^2/NDF: 5563.4/36



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -7.704+/-1.359 χ^2/NDF:330.1/18

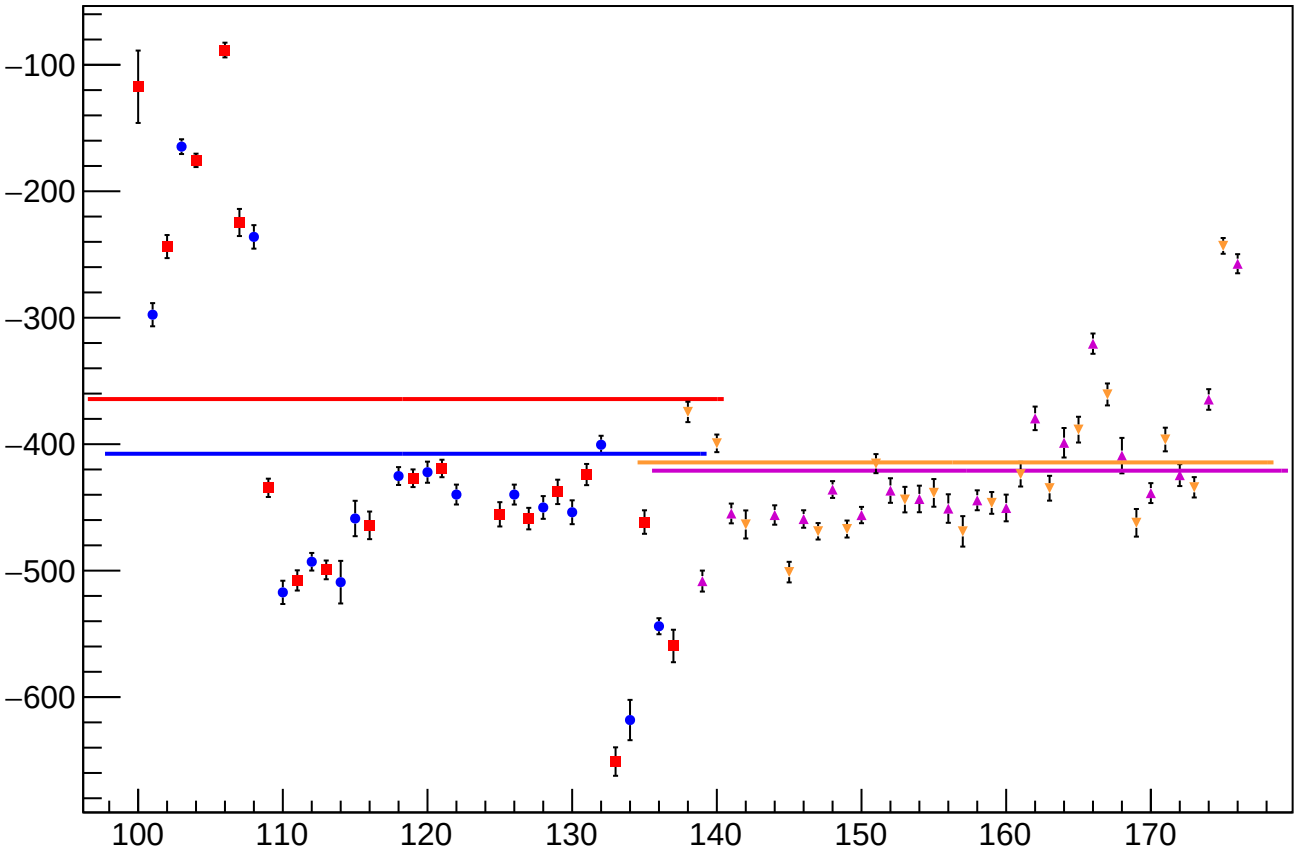
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -6.735+/-1.376 χ^2/NDF:308.9/18

+ sign -4.027+/-1.104 χ^2/NDF: 536.1/34

All: -4.167+/-0.776 χ^2/NDF: 1058.7/71

- sign -4.303+/-1.091 χ^2/NDF: 522.6/36



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -414.417+/-1.939 χ^2/NDF:1173.9/18

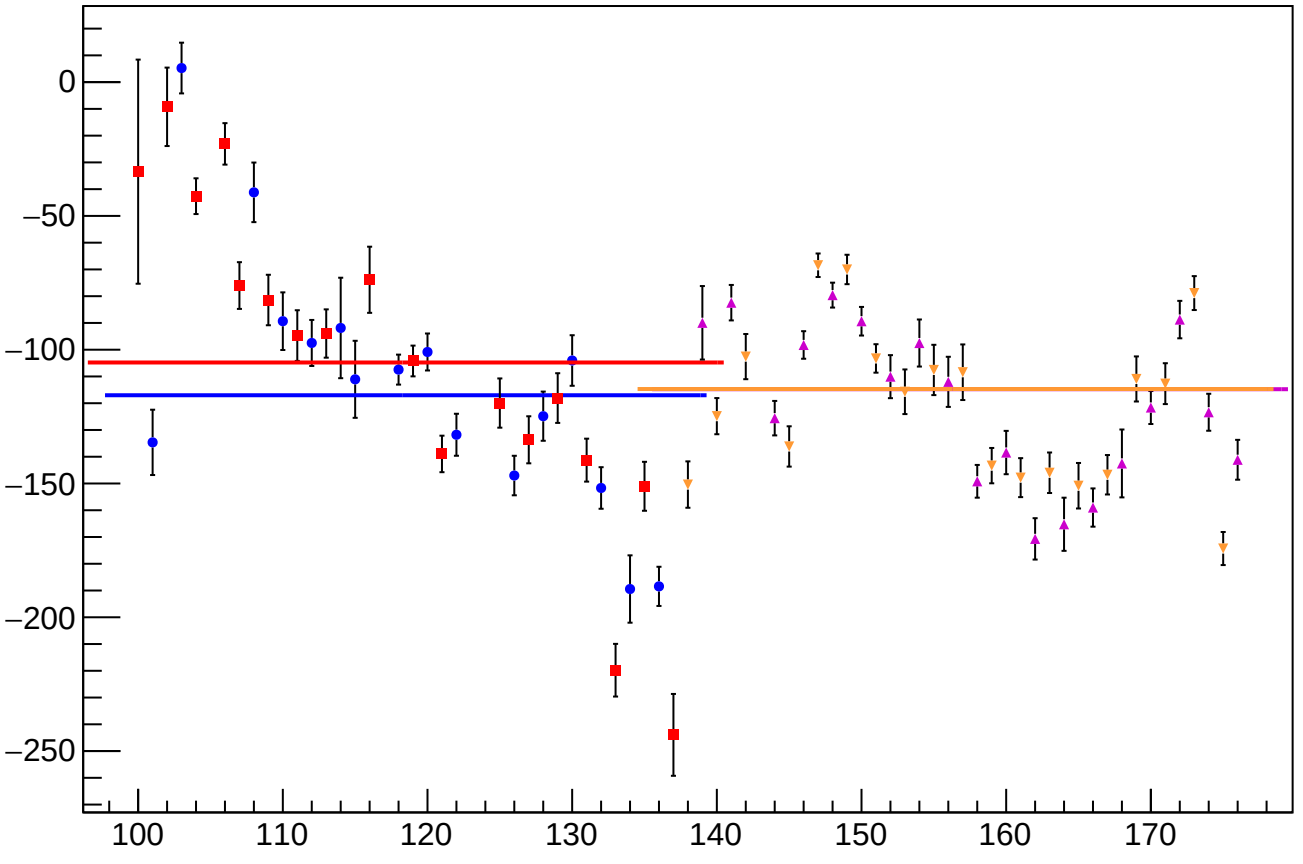
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -420.954+/-1.926 χ^2/NDF:949.7/18

+ sign -411.225+/-1.416 χ^2/NDF: 4460.3/34

All: -401.734+/-0.984 χ^2/NDF: 12145.9/71

- sign -392.885+/-1.367 χ^2/NDF: 7598.9/36



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -114.698+/-1.590 χ^2/NDF:430.6/18

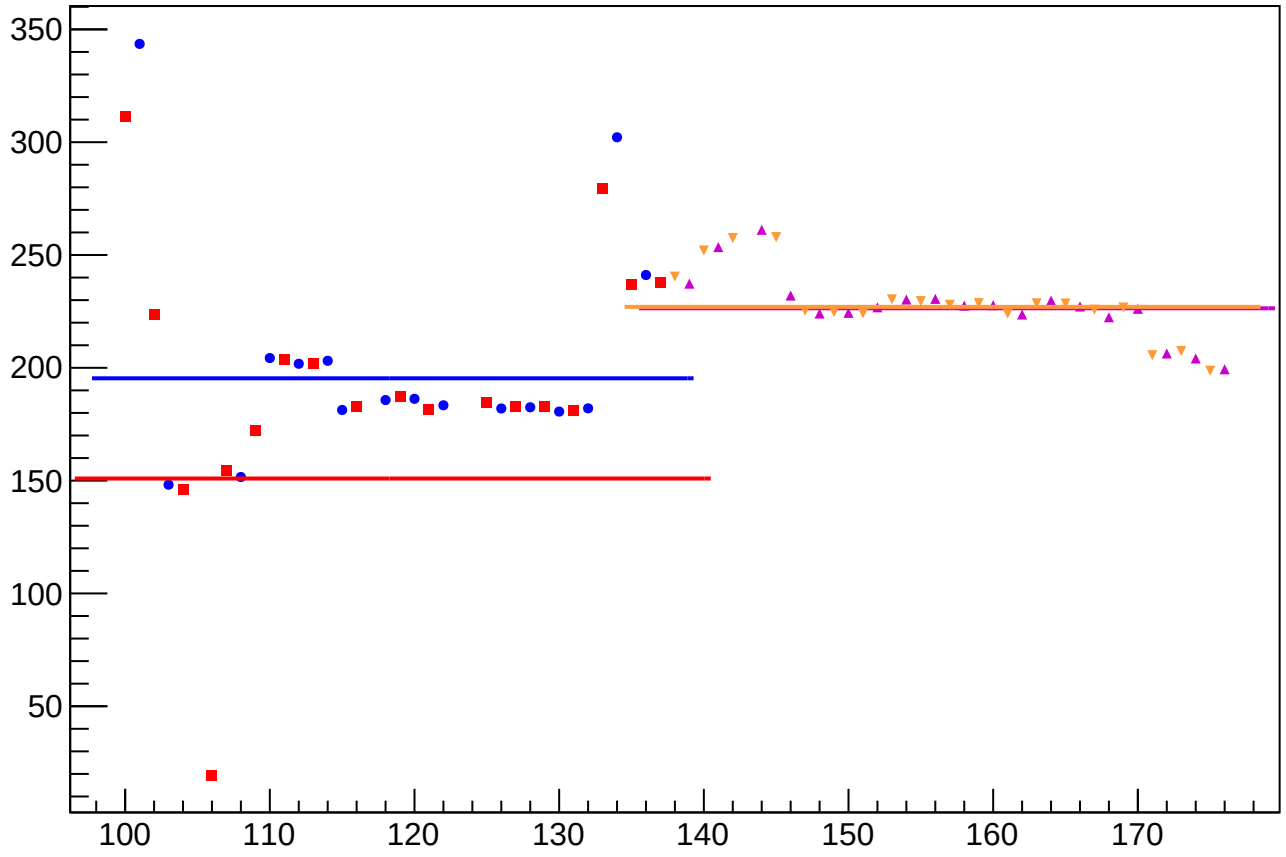
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -114.764+/-1.599 χ^2/NDF:314.8/18

+ sign -115.498+/-1.287 χ^2/NDF: 839.2/34

All: -113.259+/-0.904 χ^2/NDF: 1749.4/71

- sign -111.080+/-1.270 χ^2/NDF: 904.3/36



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 227.019+/-0.075 χ^2/NDF:41302.1/18

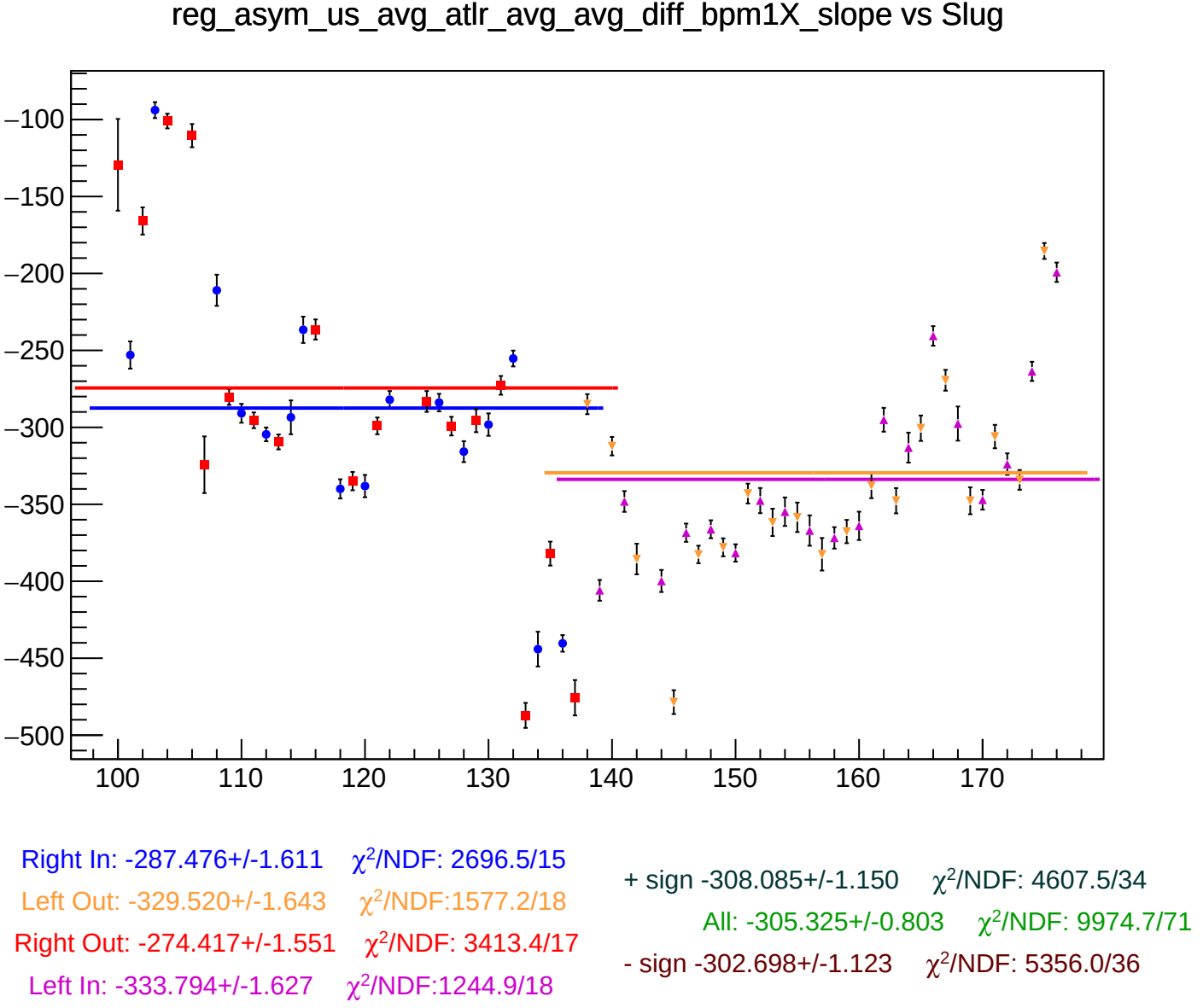
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

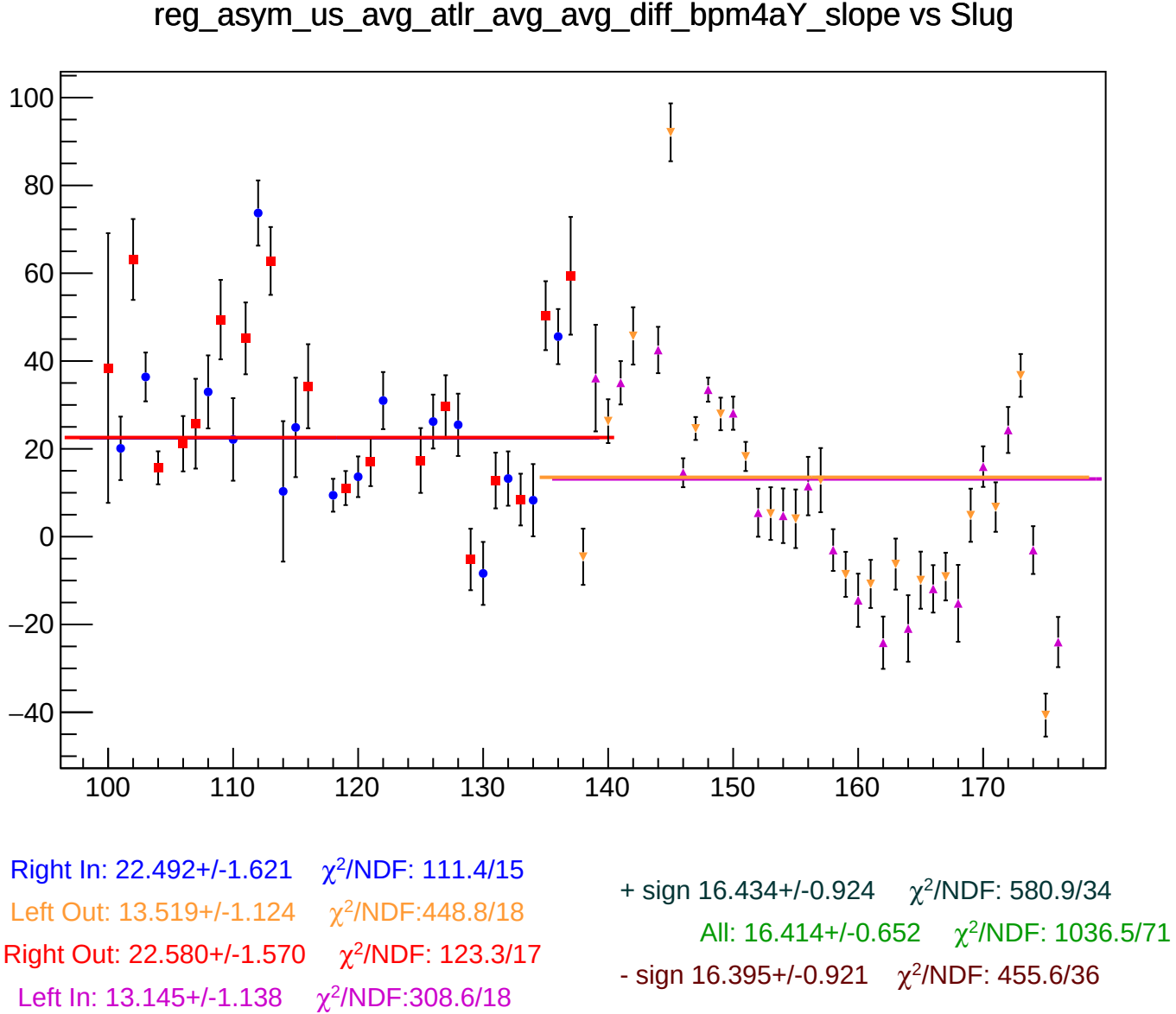
Left In: 226.379+/-0.073 χ^2/NDF:37444.6/18

+ sign 218.597+/-0.064 χ^2/NDF: 265672.0/34

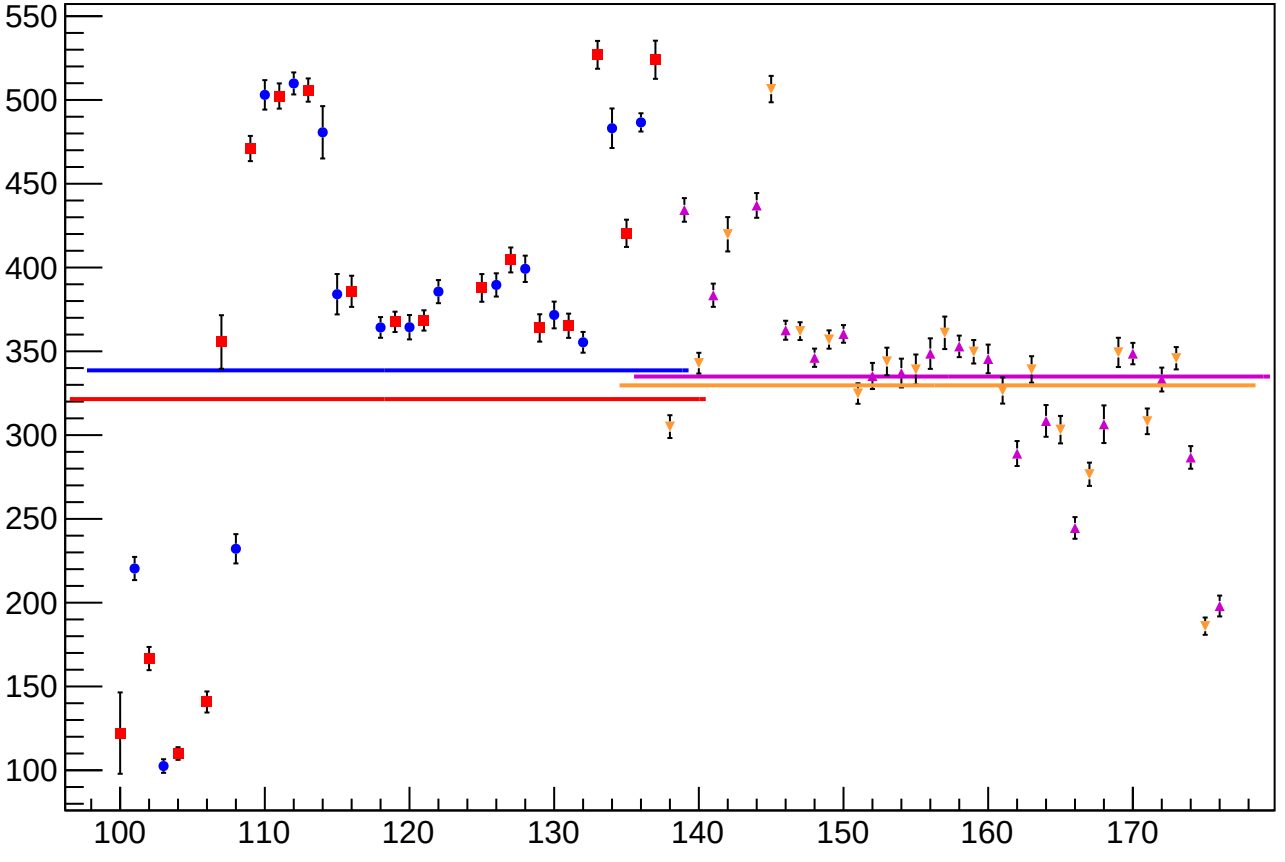
All: 210.553+/-0.044 χ^2/NDF: 1157807.4/71

- sign 203.333+/-0.061 χ^2/NDF: 862408.5/36


reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug
−100
−150
−200
−250
−300
−350
−400
−450
−500
100
110
120
130
140
150
160
170
Right In: -287.476+/-1.611 χ²/NDF: 2696.5/15
Left Out: -329.520+/-1.643 χ²/NDF:1577.2/18
Right Out: -274.417+/-1.551 χ²/NDF: 3413.4/17
Left In: -333.794+/-1.627 χ²/NDF:1244.9/18
+ sign -308.085+/-1.150 χ²/NDF: 4607.5/34
All: -305.325+/-0.803 χ²/NDF: 9974.7/71
- sign -302.698+/-1.123 χ²/NDF: 5356.0/36


reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug
100
80
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: 22.492+/-1.621 χ²/NDF: 111.4/15
Left Out: 13.519+/-1.124 χ²/NDF:448.8/18
Right Out: 22.580+/-1.570 χ²/NDF: 123.3/17
Left In: 13.145+/-1.138 χ²/NDF:308.6/18
+ sign 16.434+/-0.924 χ²/NDF: 580.9/34
All: 16.414+/-0.652 χ²/NDF: 1036.5/71
- sign 16.395+/-0.921 χ²/NDF: 455.6/36

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: 329.691+/-1.610 χ^2/NDF:1549.3/18

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

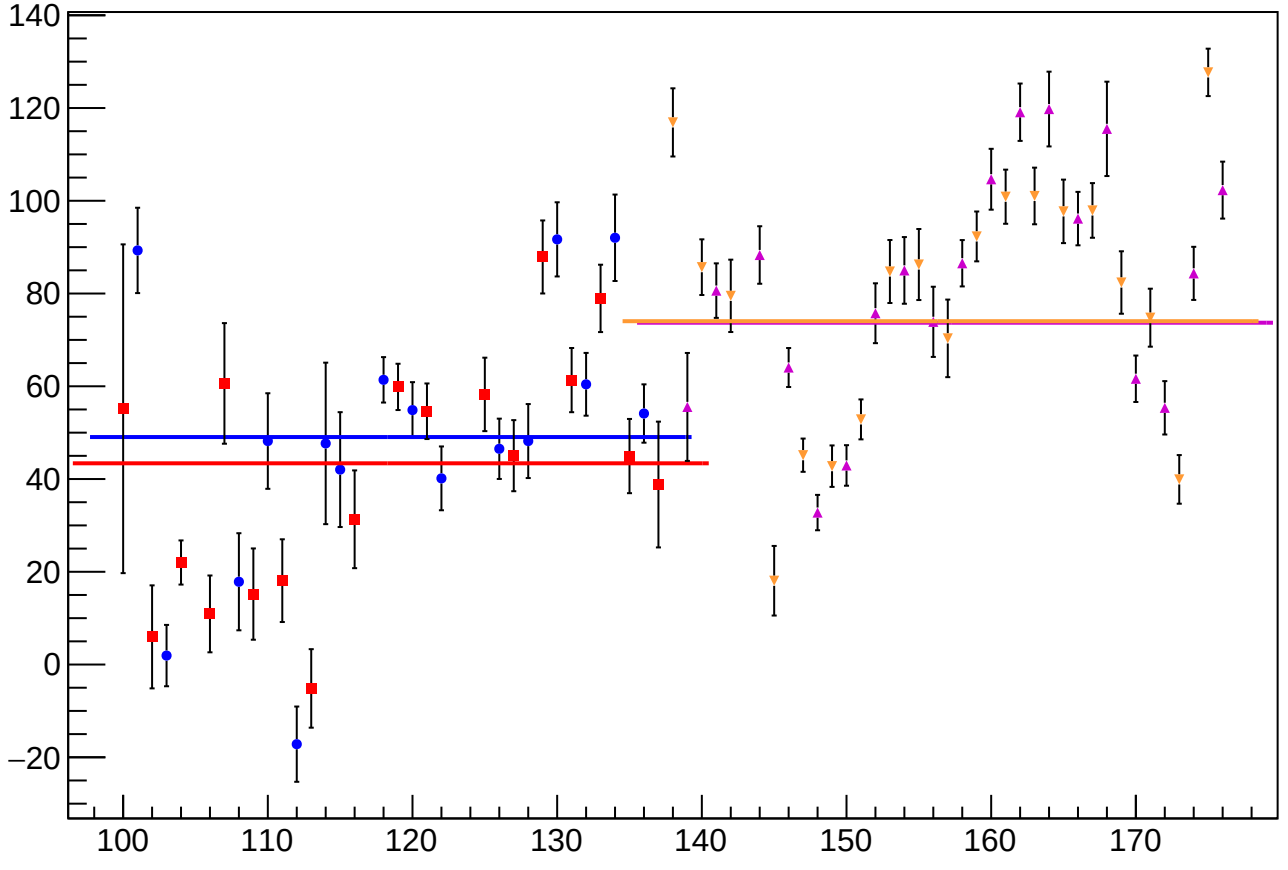
Left In: 334.955+/-1.595 χ^2/NDF:1289.7/18

+ sign 333.794+/-1.184 χ^2/NDF: 7606.1/34

All: 331.163+/-0.829 χ^2/NDF: 16659.7/71

- sign 328.632+/-1.161 χ^2/NDF: 9043.9/36

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 74.033+/-1.315 χ^2/NDF:471.8/18

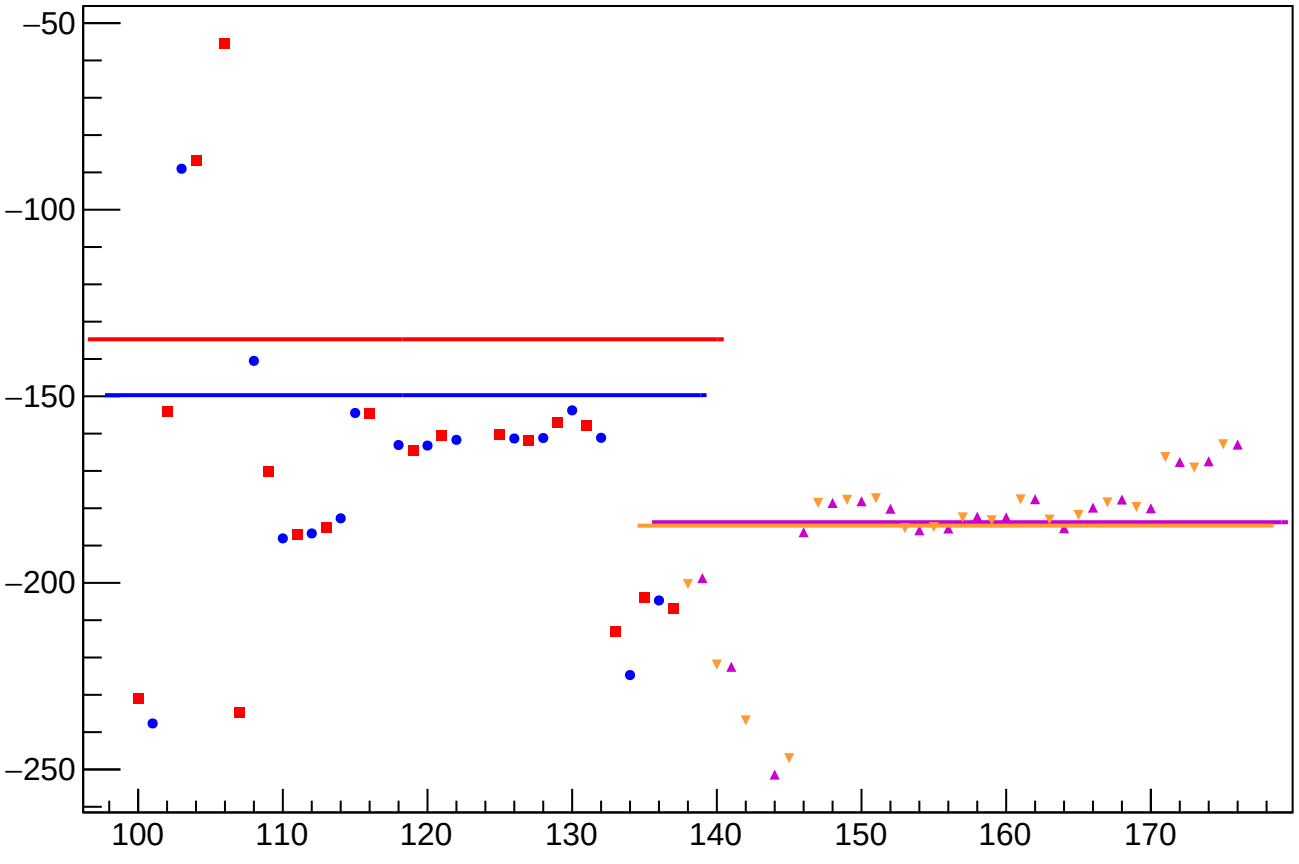
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 73.706+/-1.322 χ^2/NDF:370.5/18

+ sign 65.842+/-1.078 χ^2/NDF: 798.1/34

All: 64.586+/-0.760 χ^2/NDF: 1531.2/71

- sign 63.343+/-1.072 χ^2/NDF: 730.4/36



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -184.666+/-0.062 χ^2/NDF:98804.2/18

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

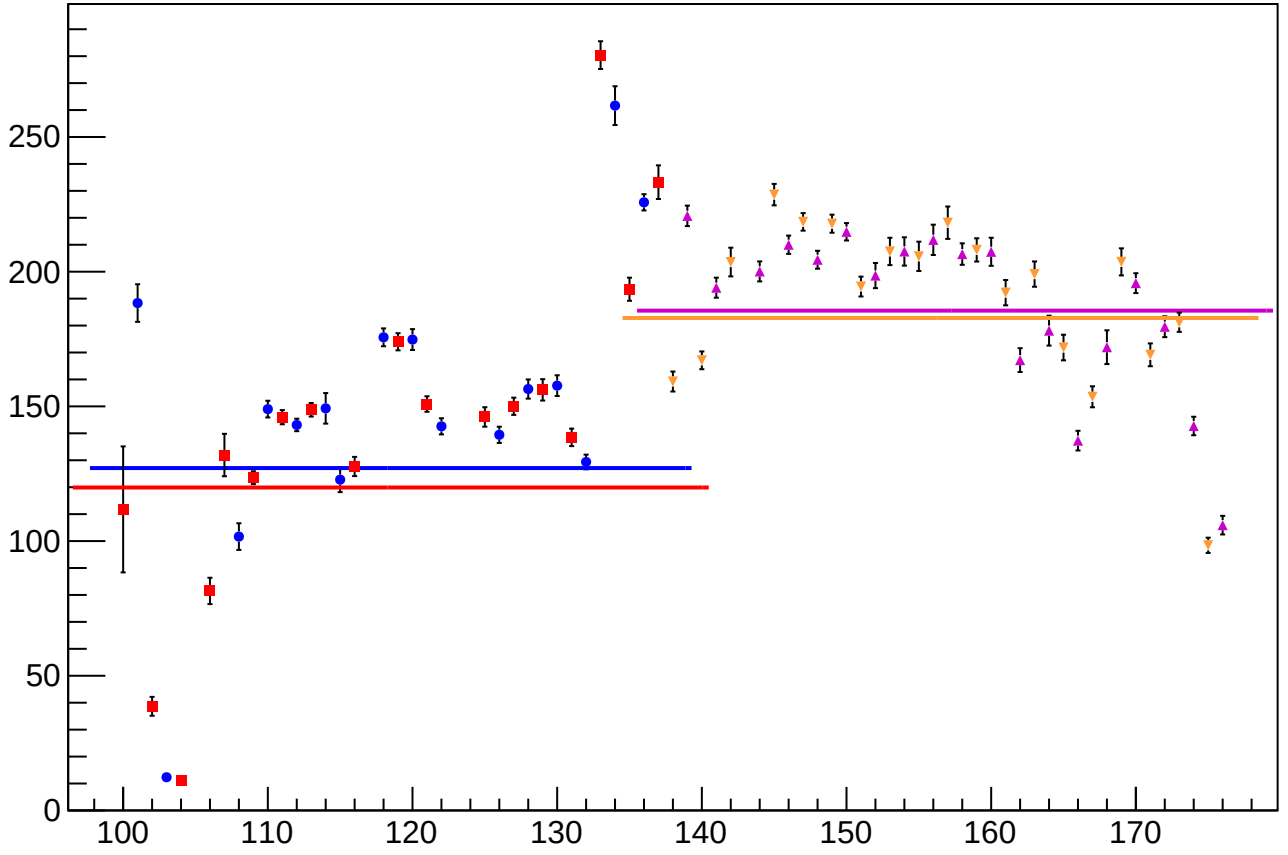
Left In: -183.744+/-0.060 χ^2/NDF:81974.4/18

+ sign -175.060+/-0.053 χ^2/NDF: 442525.4/34

All: -172.487+/-0.037 χ^2/NDF: 1025981.1/71

- sign -170.069+/-0.051 χ^2/NDF: 578855.7/36

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: 182.813+/-0.923 χ^2/NDF:1556.0/18

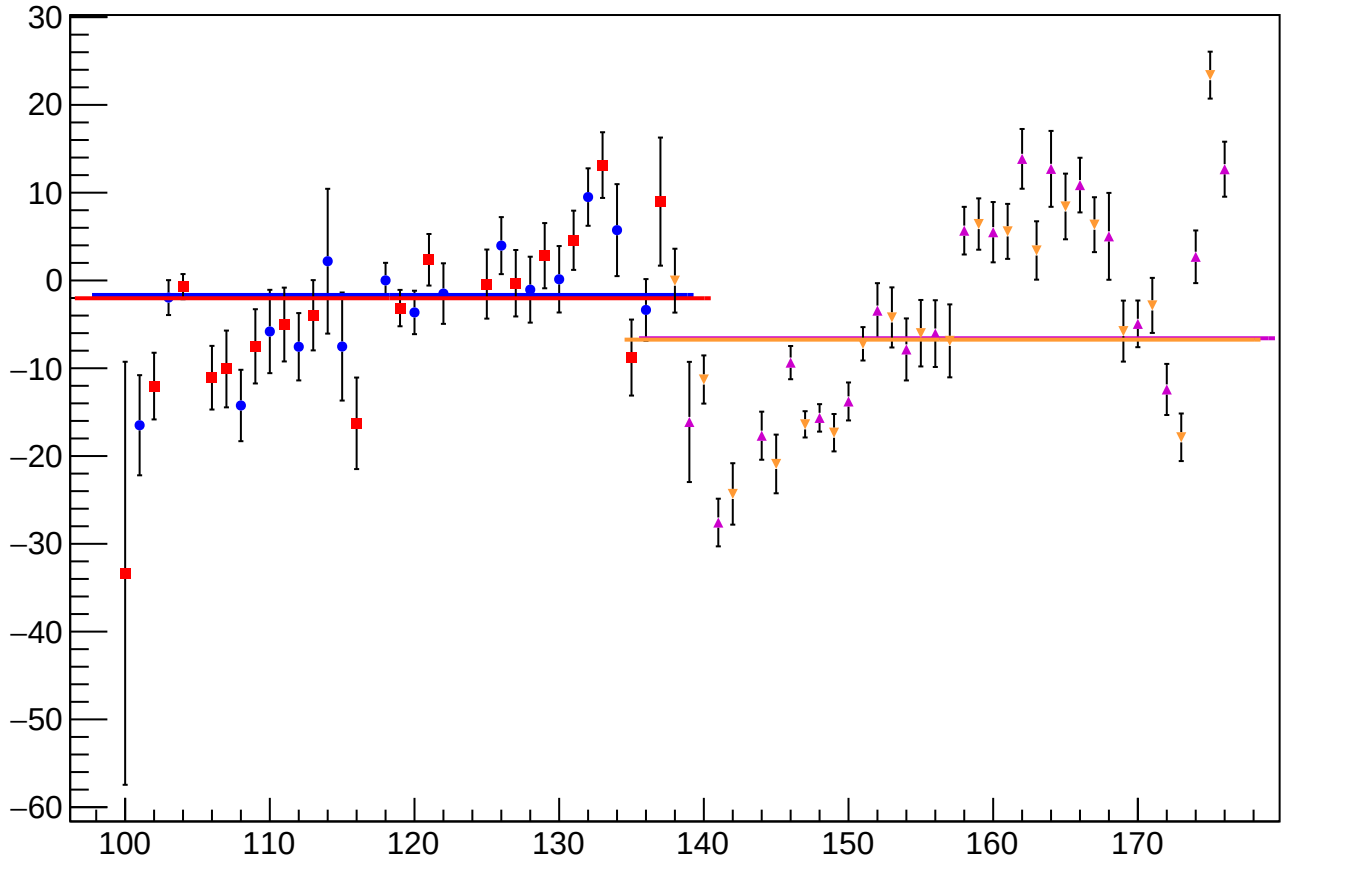
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 185.546+/-0.915 χ^2/NDF:1259.3/18

+ sign 151.364+/-0.609 χ^2/NDF: 9775.5/34

All: 149.255+/-0.424 χ^2/NDF: 20707.2/71

- sign 147.269+/-0.591 χ^2/NDF: 10908.5/36



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -6.741+/-0.635 χ^2/NDF:340.9/18

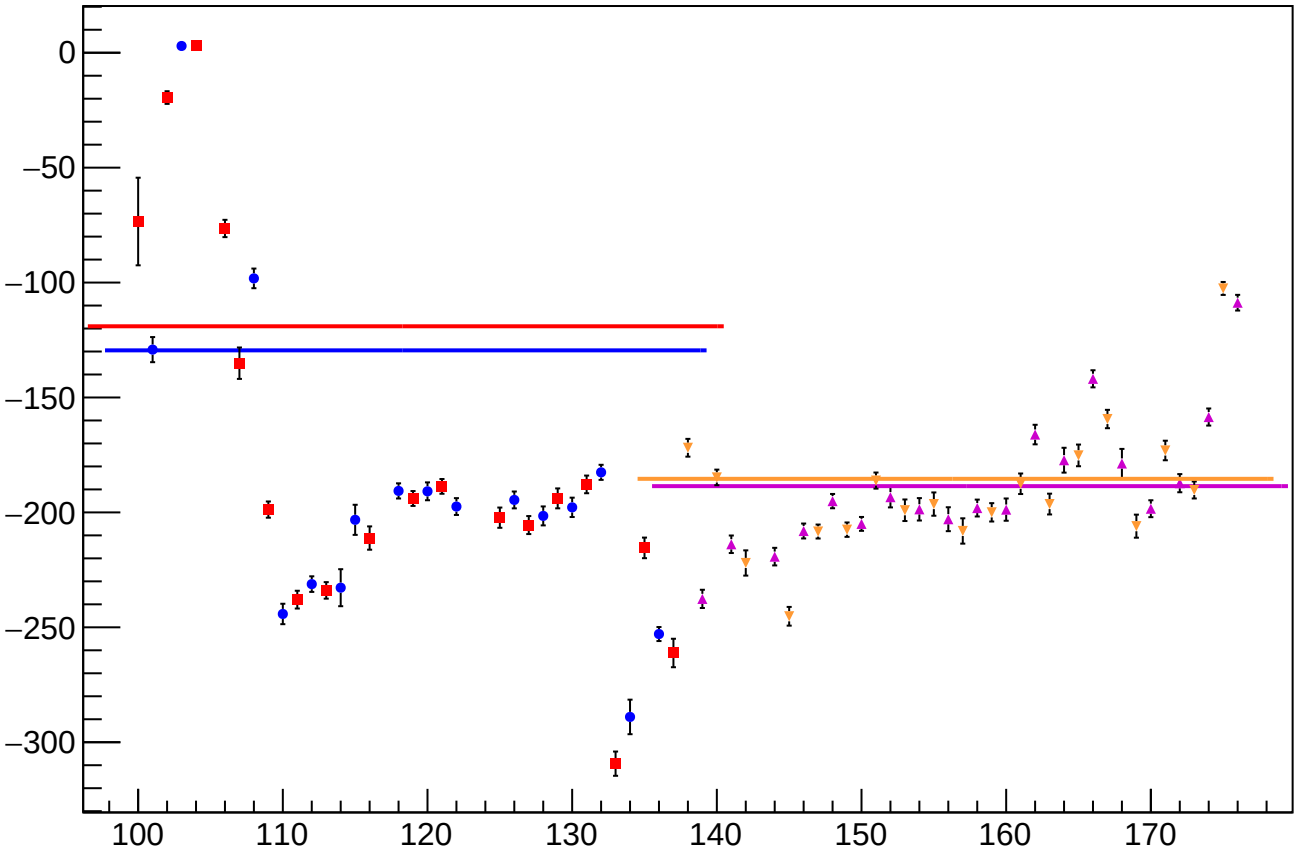
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -6.584+/-0.643 χ^2/NDF:303.6/18

+ sign -4.869+/-0.505 χ^2/NDF: 403.6/34

All: -4.789+/-0.353 χ^2/NDF: 786.4/71

- sign -4.713+/-0.493 χ^2/NDF: 382.8/36



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -185.390+/-0.906 χ^2/NDF:1366.3/18

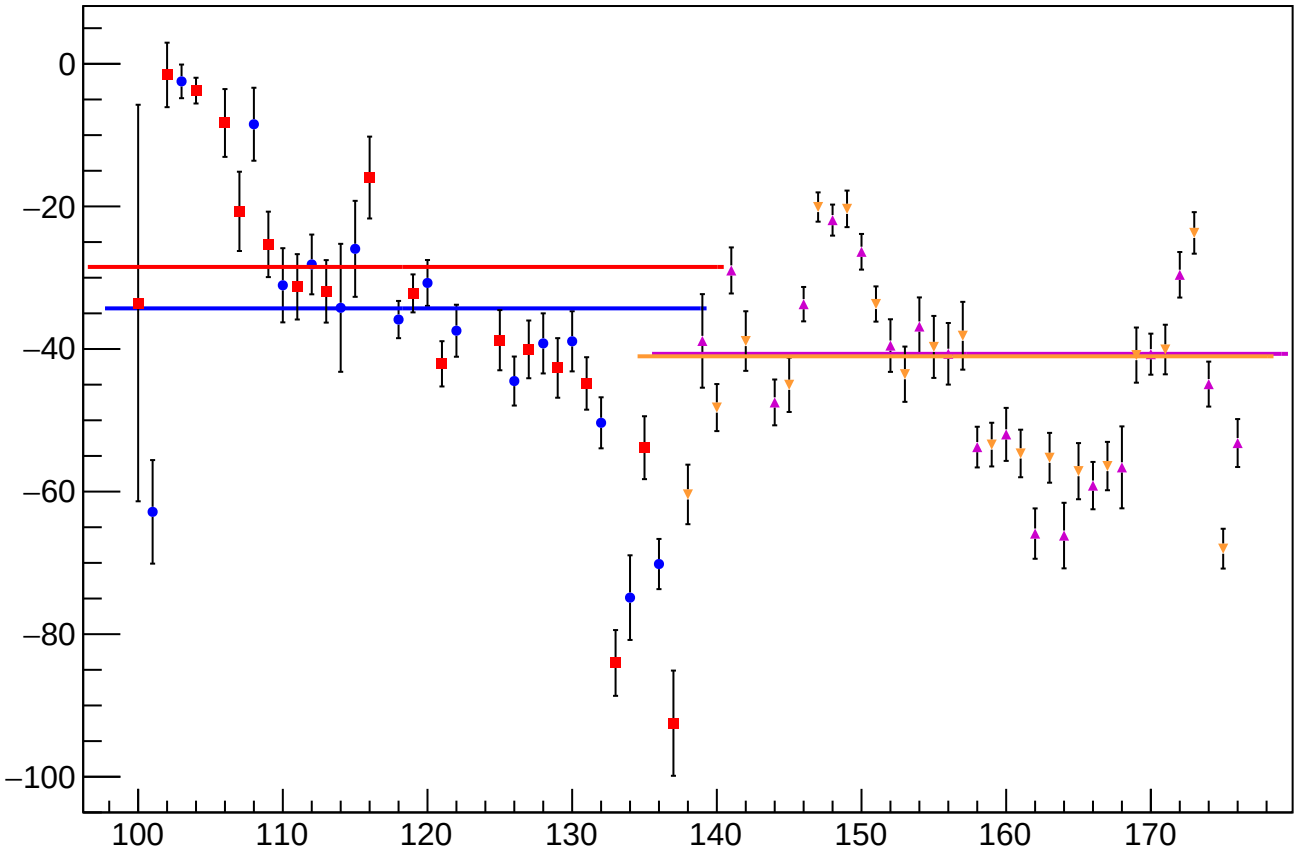
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -188.574+/-0.899 χ^2/NDF:1167.1/18

+ sign -155.557+/-0.618 χ^2/NDF: 18087.4/34

All: -152.867+/-0.432 χ^2/NDF: 38762.7/71

- sign -150.310+/-0.603 χ^2/NDF: 20638.4/36



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -41.024+/-0.742 χ^2/NDF:422.1/18

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

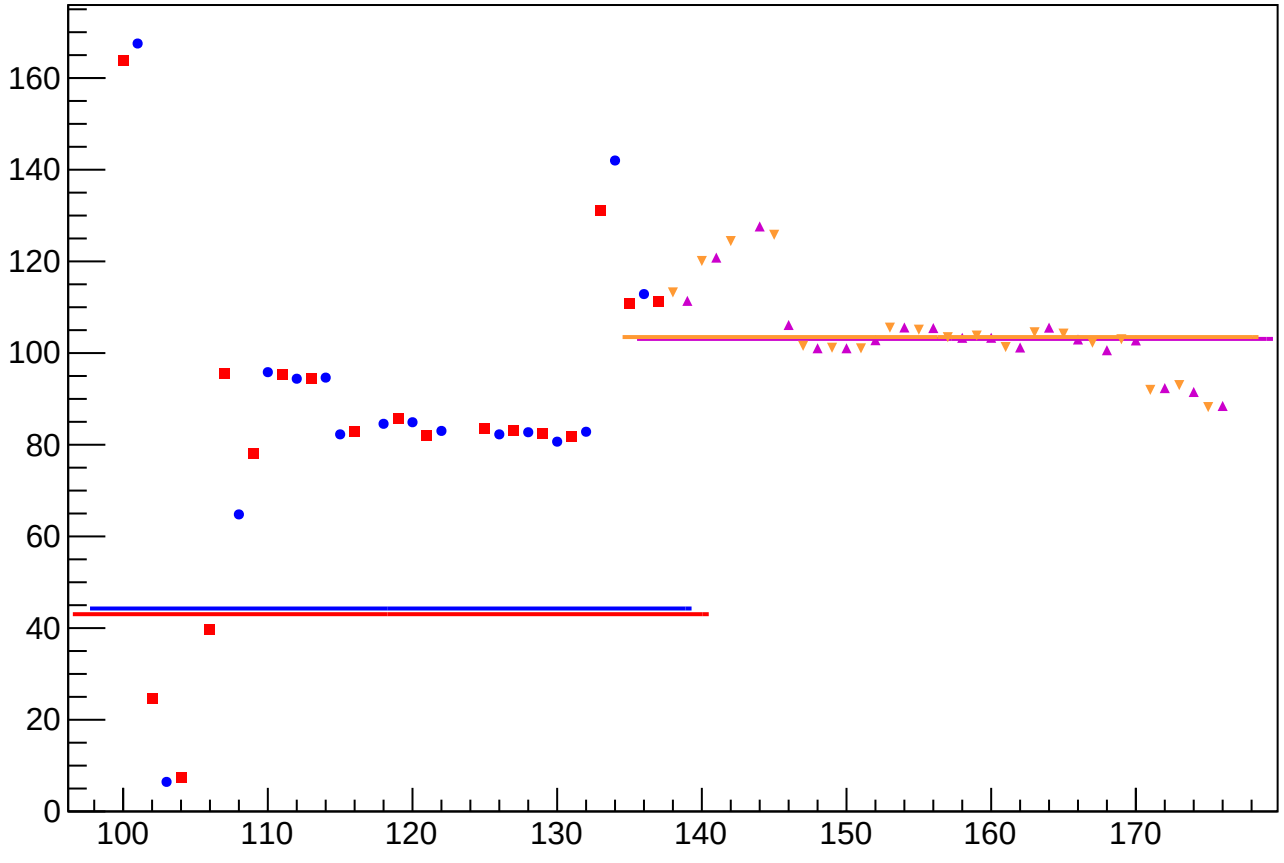
Left In: -40.679+/-0.746 χ^2/NDF:312.2/18

\+ sign -38.536+/-0.589 χ^2/NDF: 863.8/34

All: -37.117+/-0.412 χ^2/NDF: 1863.1/71

\- sign -35.758+/-0.576 χ^2/NDF: 988.0/36

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 103.491+/-0.035 χ^2/NDF:71656.6/18

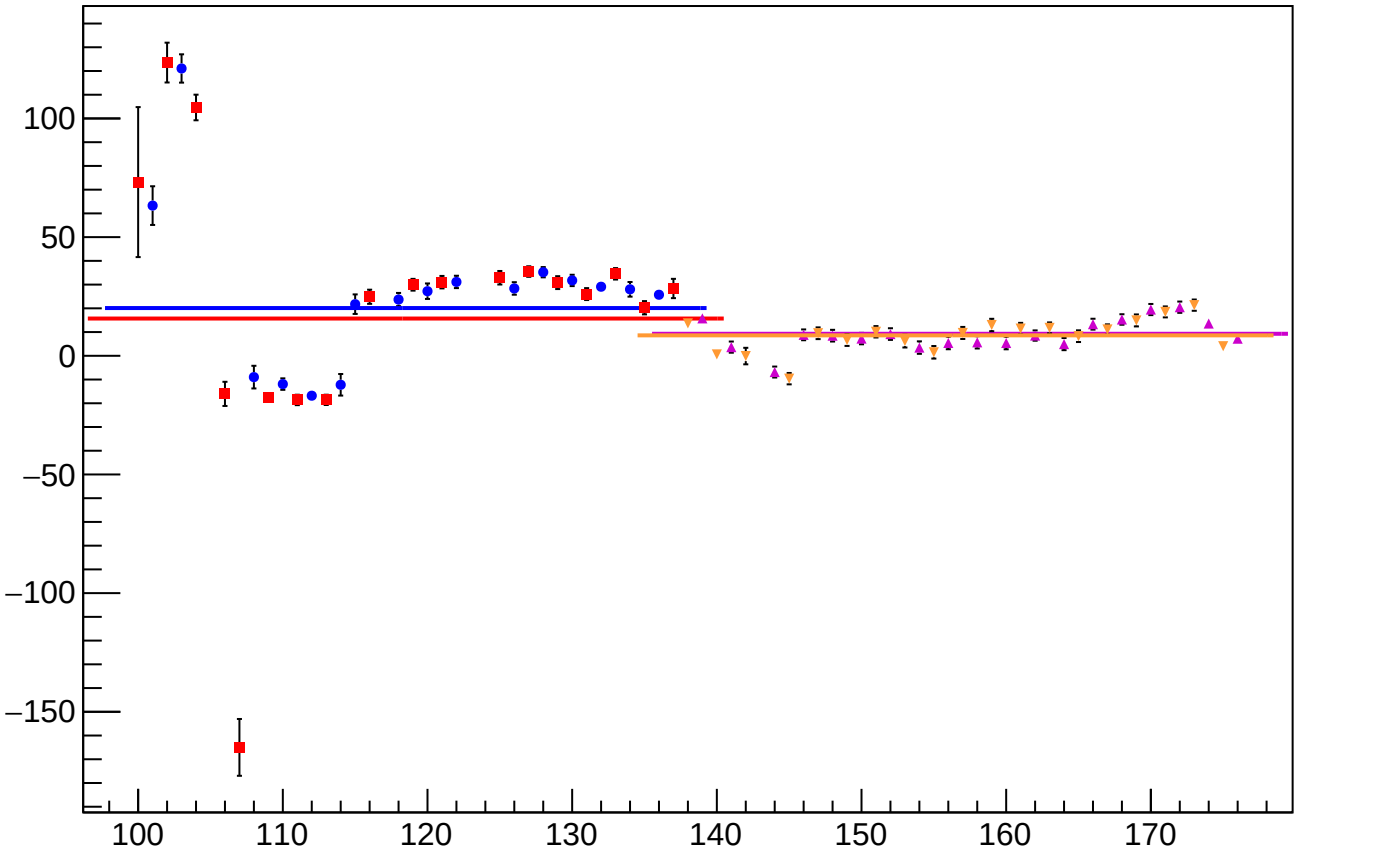
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 103.091+/-0.034 χ^2/NDF:63010.7/18

+ sign 81.164+/-0.028 χ^2/NDF: 2238321.6/34

All: 81.213+/-0.019 χ^2/NDF: 4238342.3/71

- sign 81.261+/-0.027 χ^2/NDF: 2000014.4/36



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.612+/-0.542 χ^2/NDF:162.3/18

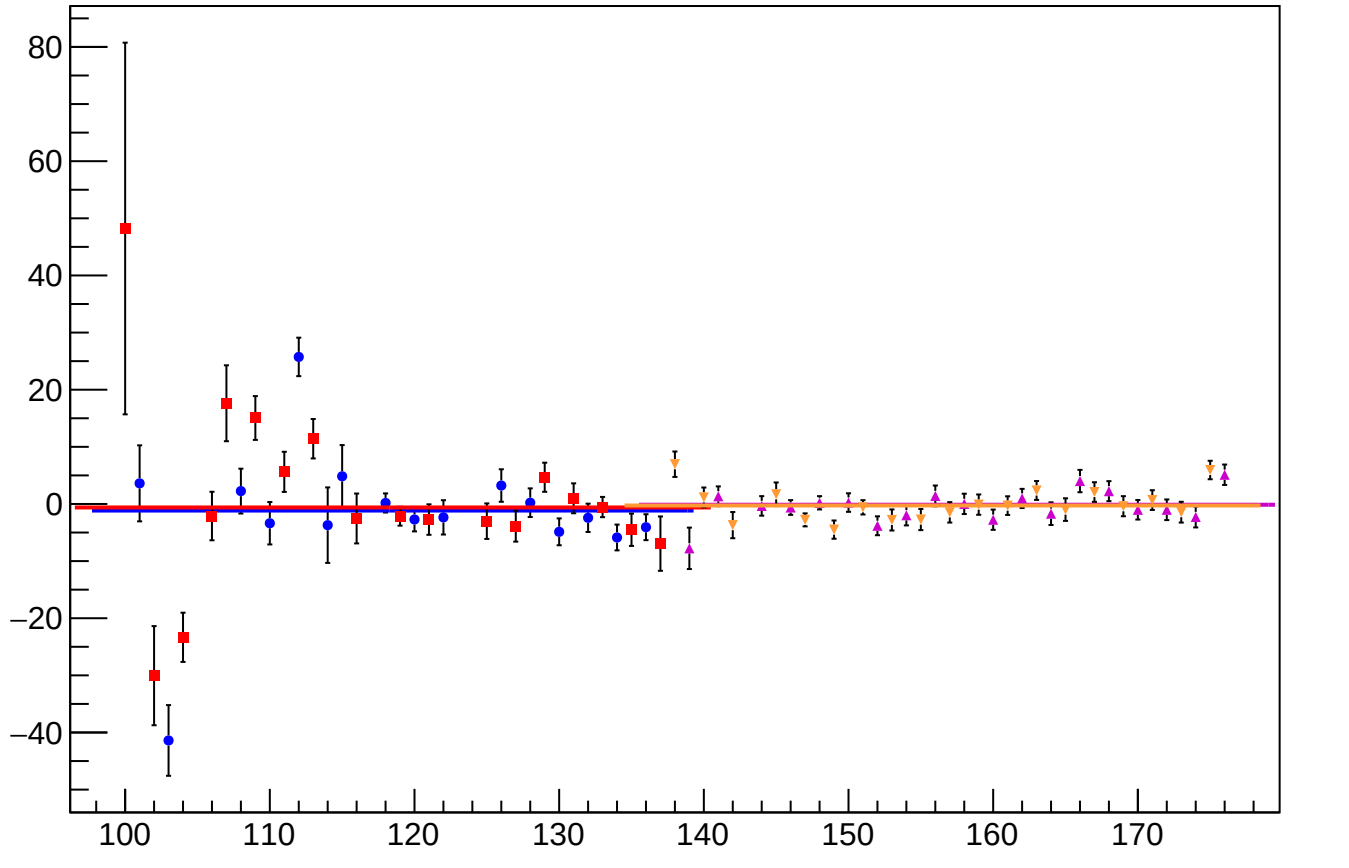
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 9.278+/-0.535 χ^2/NDF:136.9/18

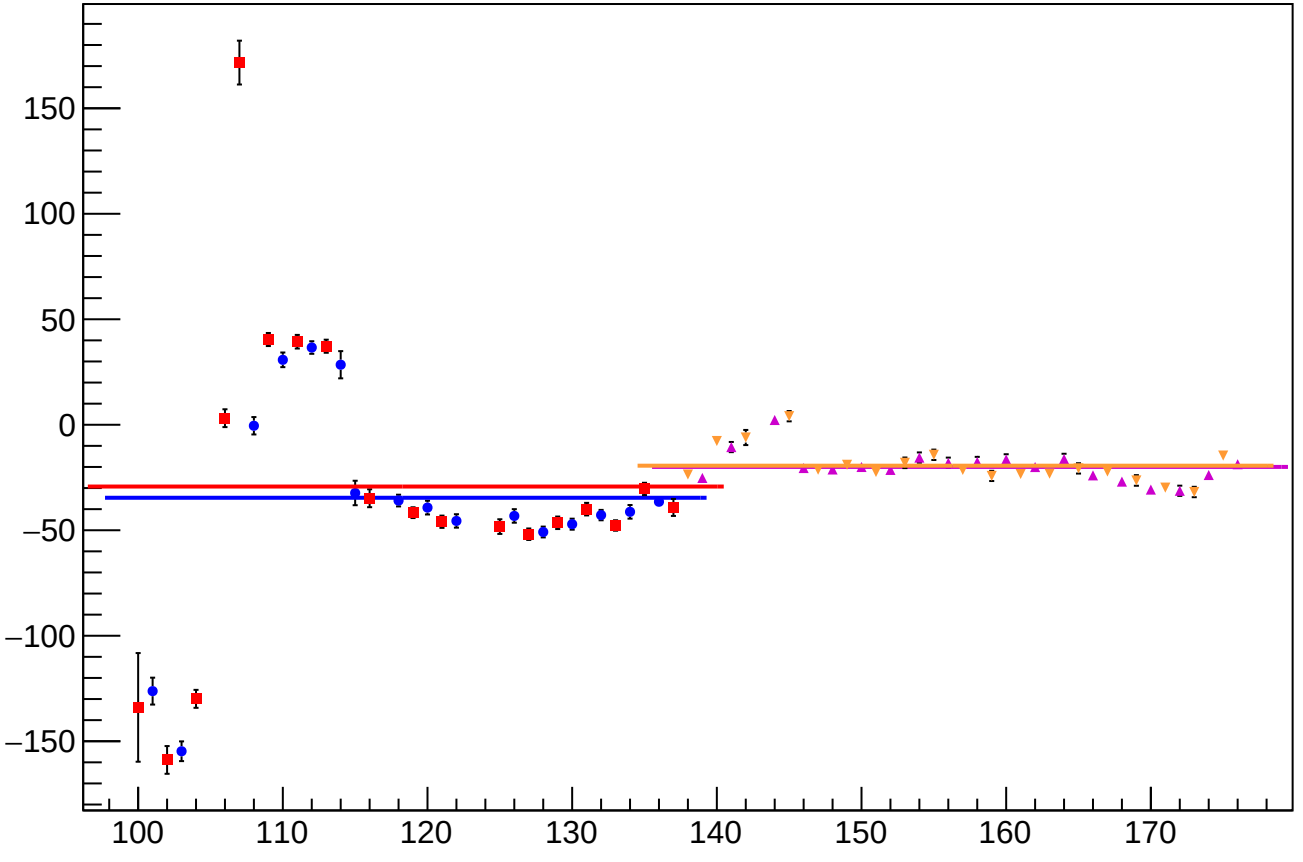
\+ sign 13.023+/-0.425 χ^2/NDF: 1383.3/34

All: 12.367+/-0.299 χ^2/NDF: 3353.6/71

\- sign 11.725+/-0.421 χ^2/NDF: 1965.6/36


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: -1.151+/-0.699 χ²/NDF: 121.8/15
Left Out: -0.265+/-0.388 χ²/NDF:50.5/18
Right Out: -0.614+/-0.713 χ²/NDF: 93.4/17
Left In: -0.136+/-0.391 χ²/NDF:32.3/18
+ sign -0.474+/-0.339 χ²/NDF: 173.5/34
All: -0.361+/-0.241 χ²/NDF: 299.8/71
- sign -0.247+/-0.343 χ²/NDF: 126.0/36

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: -19.397+/-0.532 χ^2/NDF:220.8/18

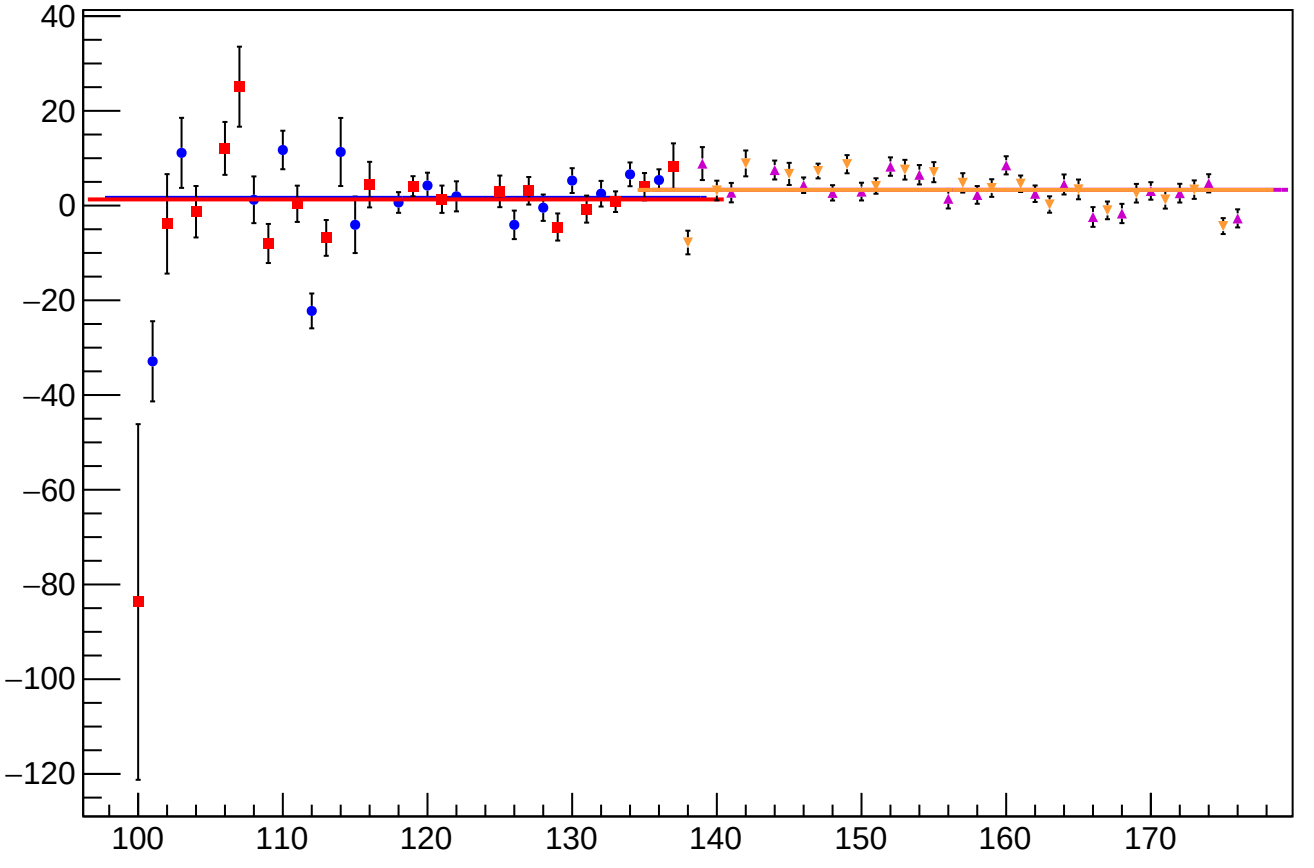
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -19.980+/-0.526 χ^2/NDF:177.6/18

\+ sign -24.168+/-0.440 χ^2/NDF: 2535.8/34

All: -23.477+/-0.311 χ^2/NDF: 5893.6/71

\- sign -22.790+/-0.440 χ^2/NDF: 3352.9/36



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 3.313+/-0.444 χ^2/NDF:79.7/18

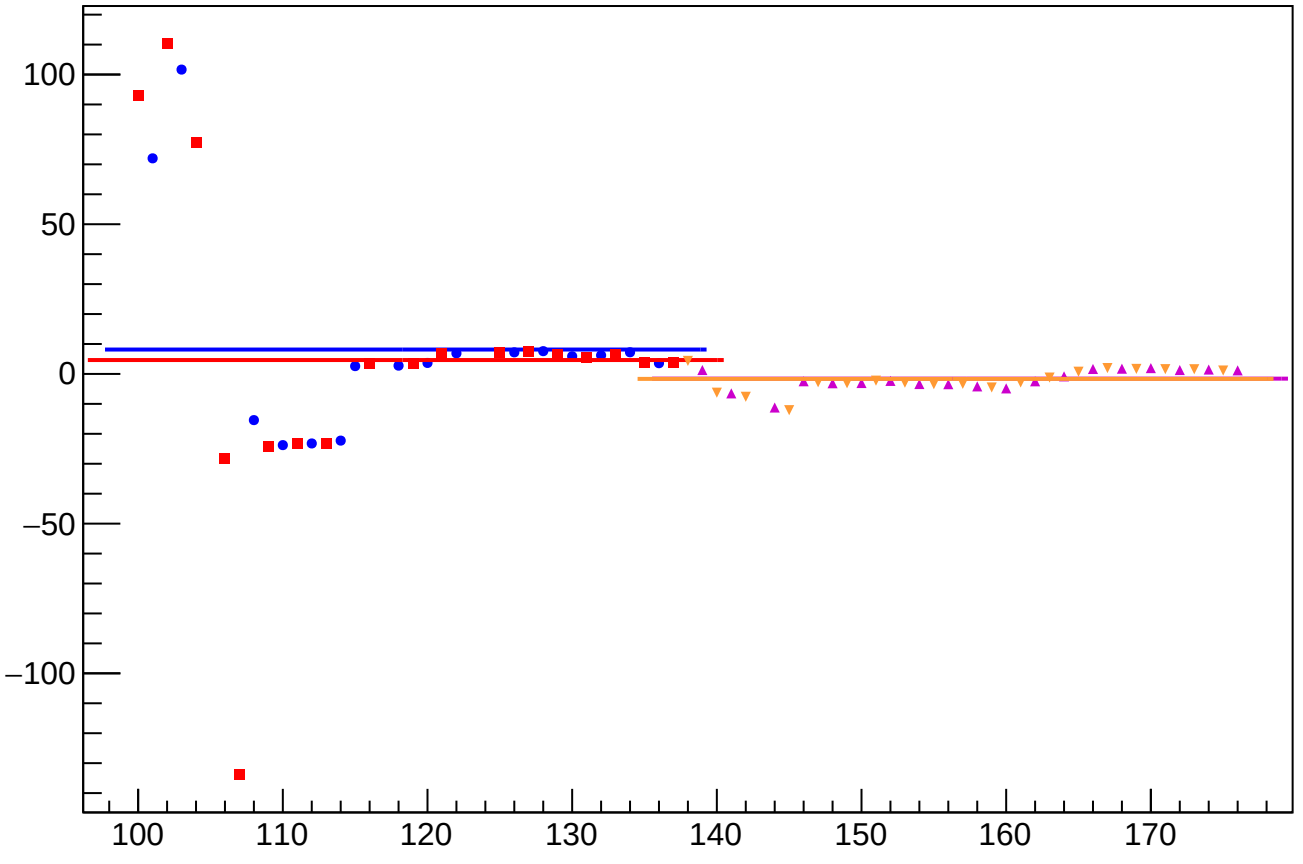
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 3.328+/-0.446 χ^2/NDF:49.5/18

+ sign 2.915+/-0.388 χ^2/NDF: 166.4/34

All: 2.888+/-0.275 χ^2/NDF: 258.2/71

- sign 2.861+/-0.392 χ^2/NDF: 91.8/36



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.655+/-0.020 χ^2/NDF:32289.4/18

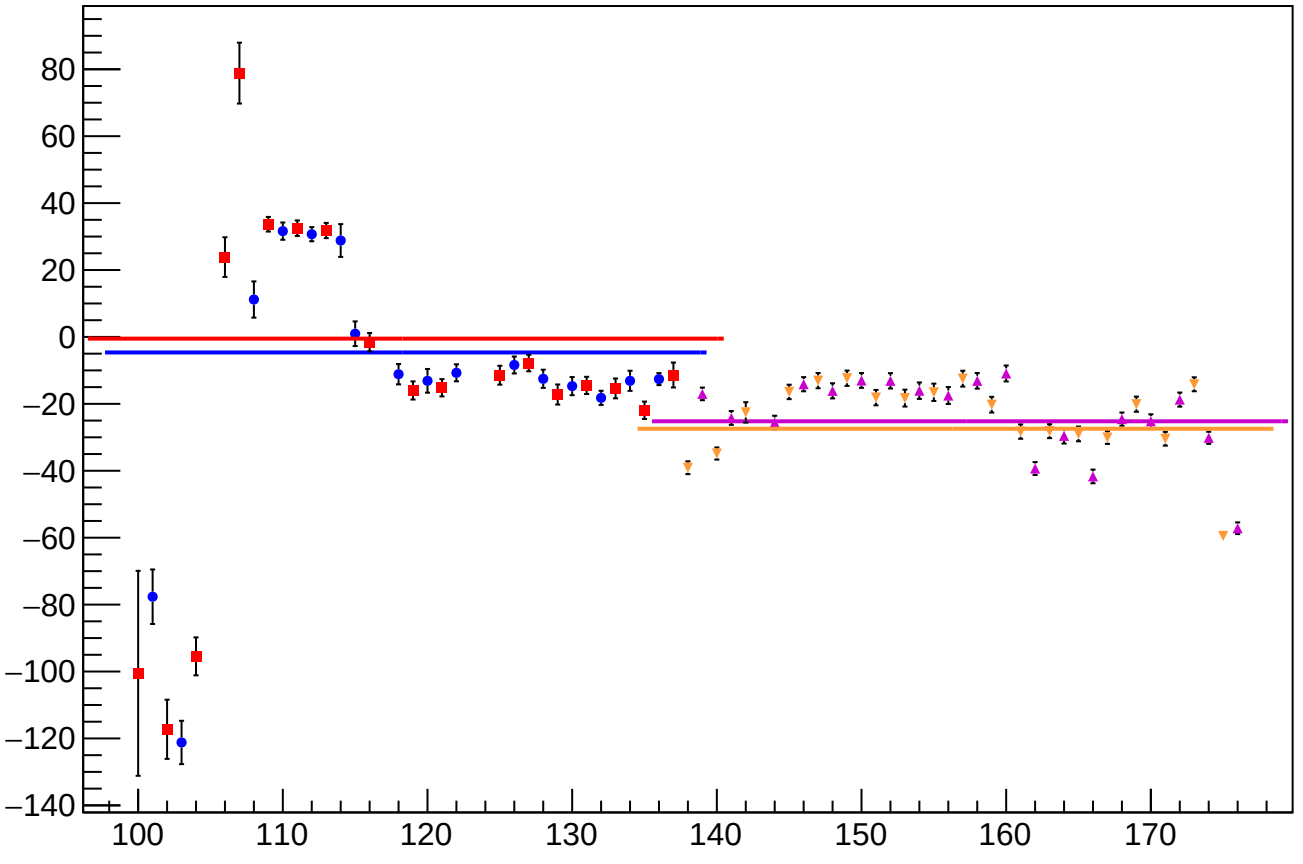
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.574+/-0.019 χ^2/NDF:25420.2/18

\+ sign -0.224+/-0.018 χ^2/NDF: 380699.7/34

All: -0.516+/-0.013 χ^2/NDF: 866066.4/71

\- sign -0.801+/-0.018 χ^2/NDF: 484873.6/36



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -27.436+/-0.490 χ^2/NDF:774.7/18

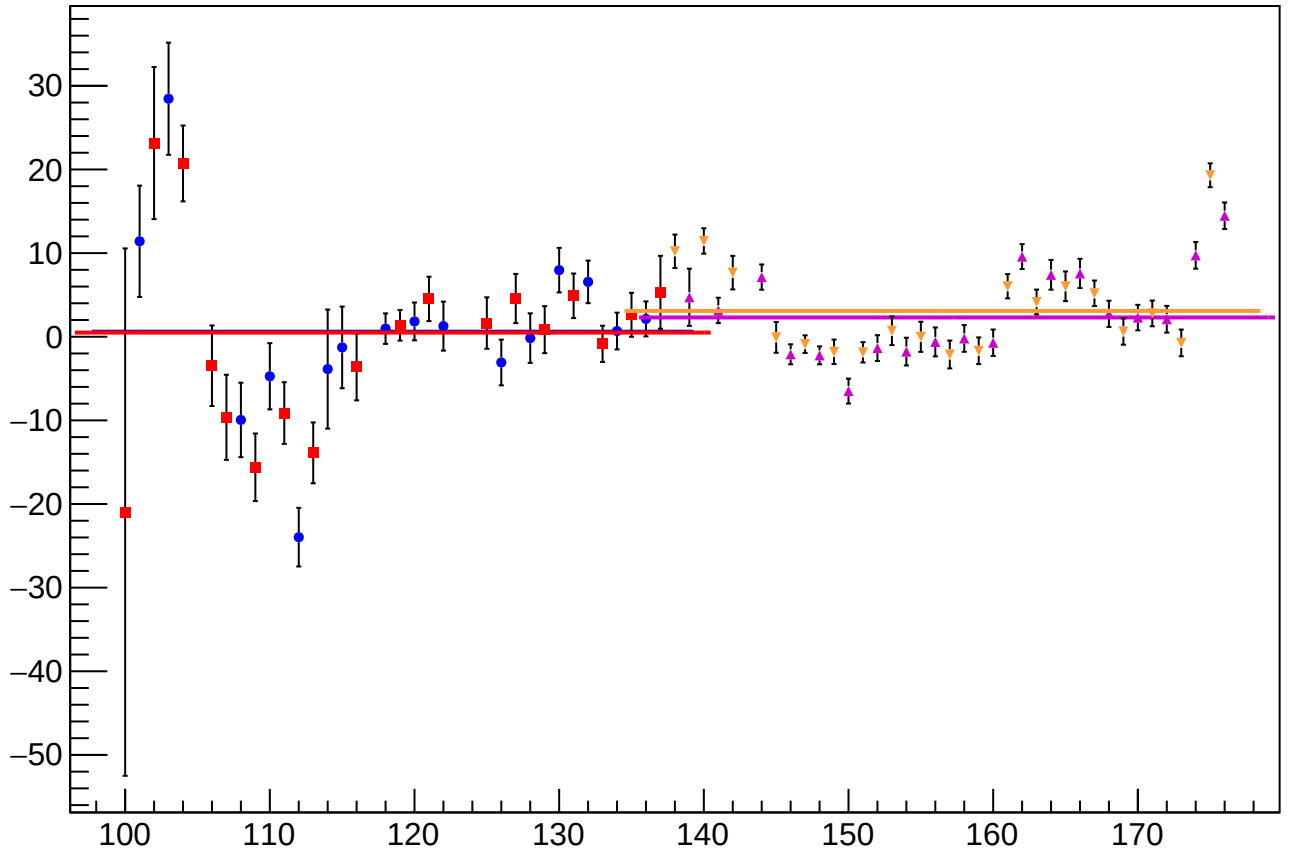
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -25.209+/-0.483 χ^2/NDF:679.5/18

+ sign -20.104+/-0.404 χ^2/NDF: 2517.2/34

All: -18.739+/-0.284 χ^2/NDF: 5503.2/71

- sign -17.401+/-0.400 χ^2/NDF: 2963.3/36



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 3.085+/-0.352 χ^2/NDF:263.9/18

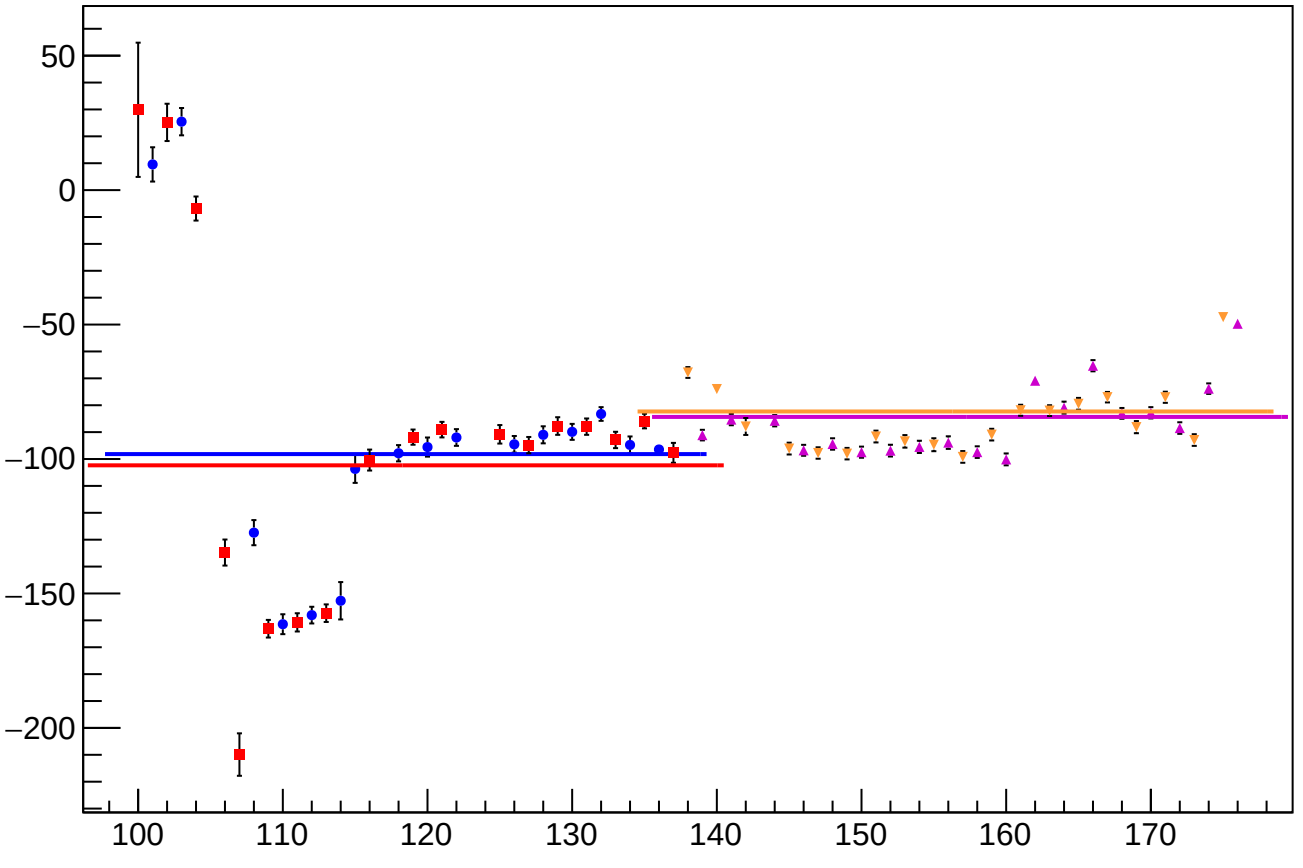
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 2.306+/-0.353 χ^2/NDF:220.5/18

+ sign 2.613+/-0.317 χ^2/NDF: 366.3/34

All: 2.300+/-0.225 χ^2/NDF: 673.6/71

- sign 1.981+/-0.320 χ^2/NDF: 305.4/36



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -82.323+/-0.482 χ^2/NDF:961.6/18

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

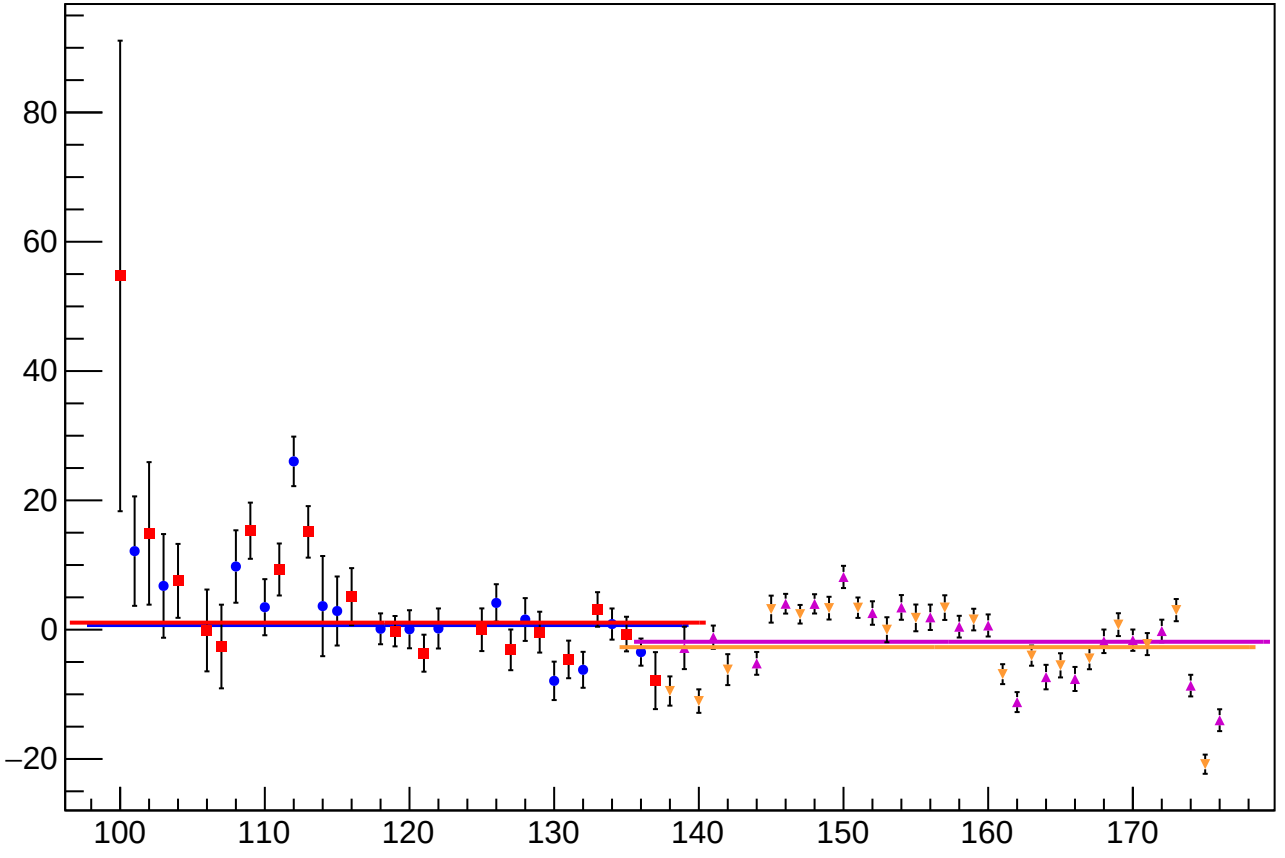
Left In: -84.346+/-0.476 χ^2/NDF:848.0/18

+ sign -86.441+/-0.414 χ^2/NDF: 2942.9/34

All: -87.594+/-0.293 χ^2/NDF: 6273.5/71

- sign -88.744+/-0.414 χ^2/NDF: 3315.2/36

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -2.705+/-0.402 χ^2/NDF:278.4/18

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

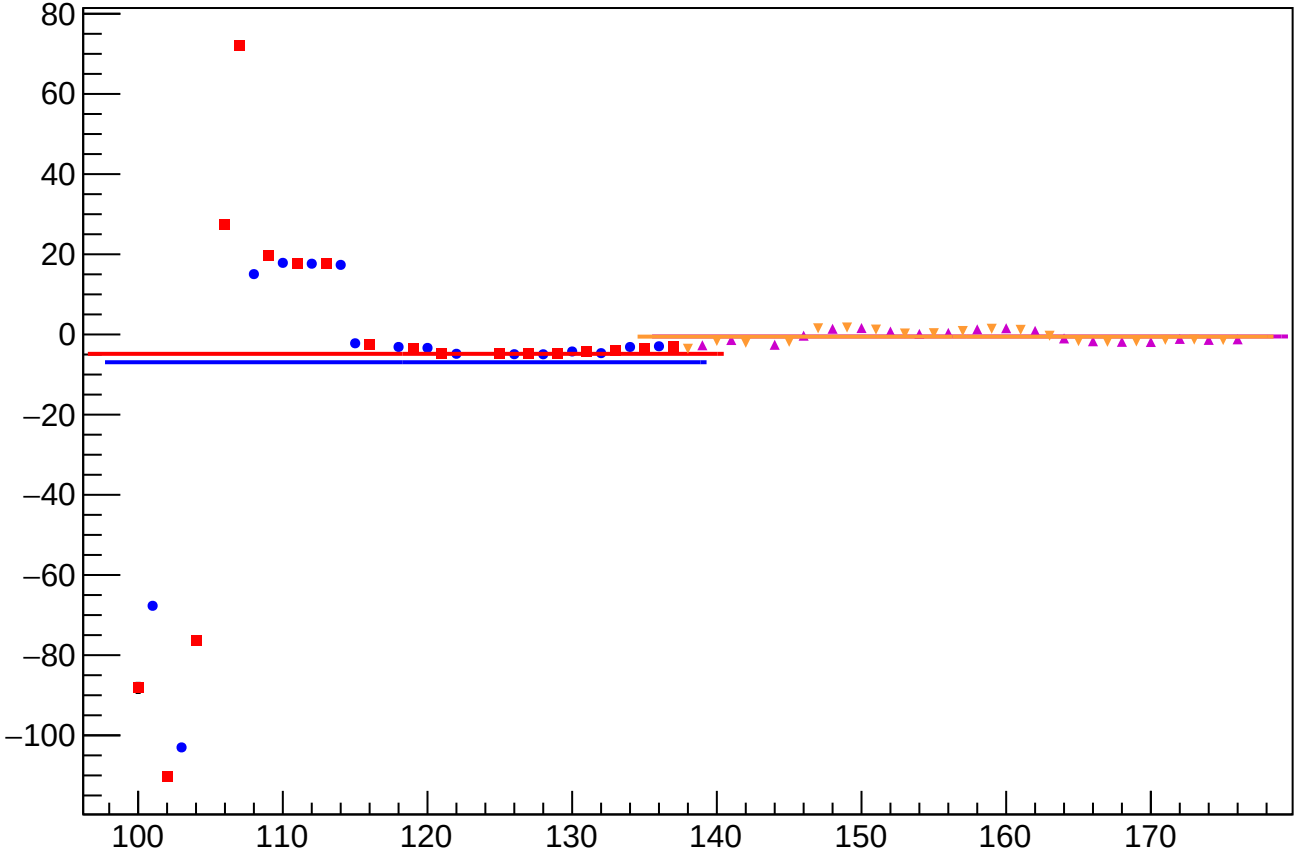
Left In: -1.872+/-0.403 χ^2/NDF:212.9/18

+ sign -2.044+/-0.361 χ^2/NDF: 361.9/34

All: -1.693+/-0.257 χ^2/NDF: 634.2/71

- sign -1.336+/-0.364 χ^2/NDF: 270.4/36

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.538+/-0.018 χ^2/NDF:6498.4/18

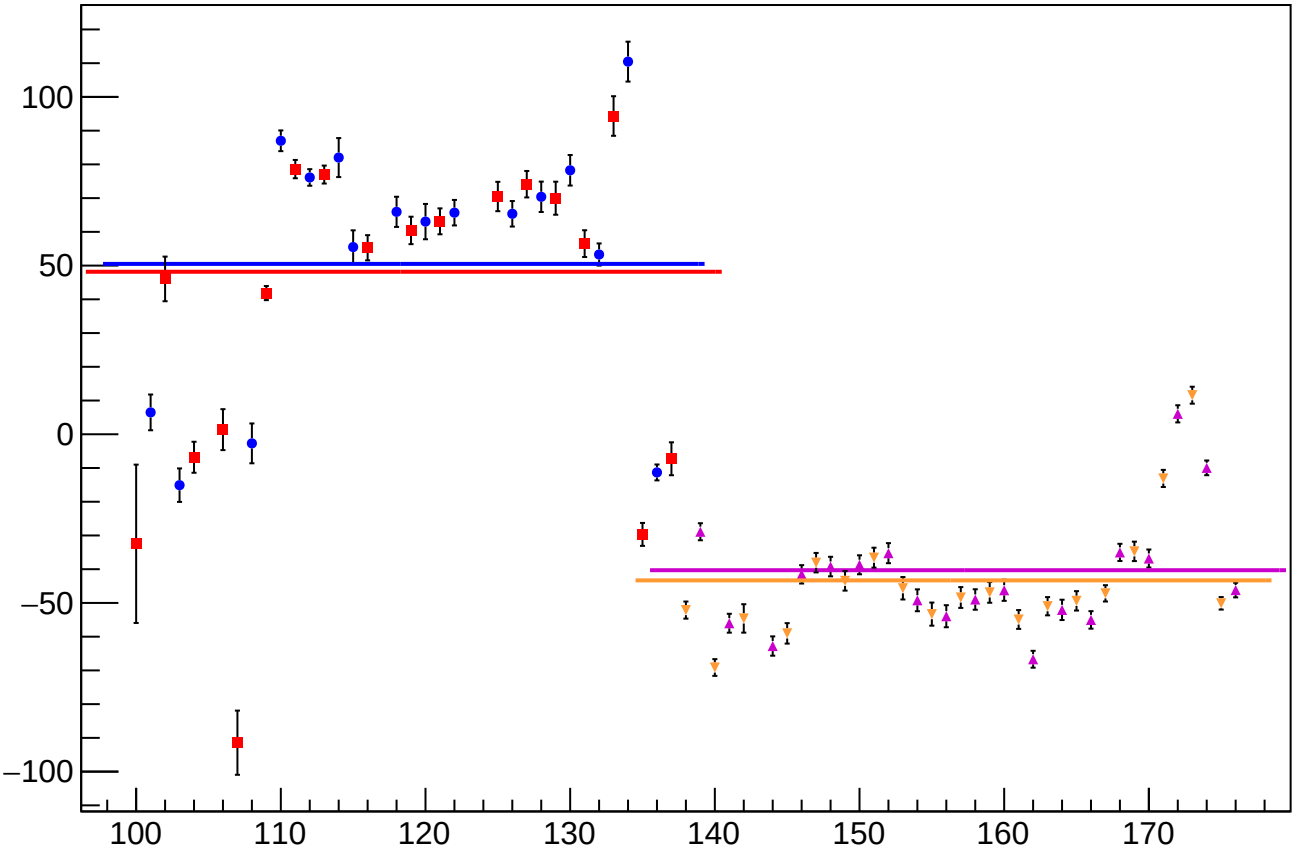
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.499+/-0.018 χ^2/NDF:6109.8/18

+ sign -1.323+/-0.017 χ^2/NDF: 286889.0/34

All: -1.126+/-0.012 χ^2/NDF: 638684.3/71

- sign -0.935+/-0.017 χ^2/NDF: 351531.0/36



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -43.314+/-0.632 χ^2/NDF:848.9/18

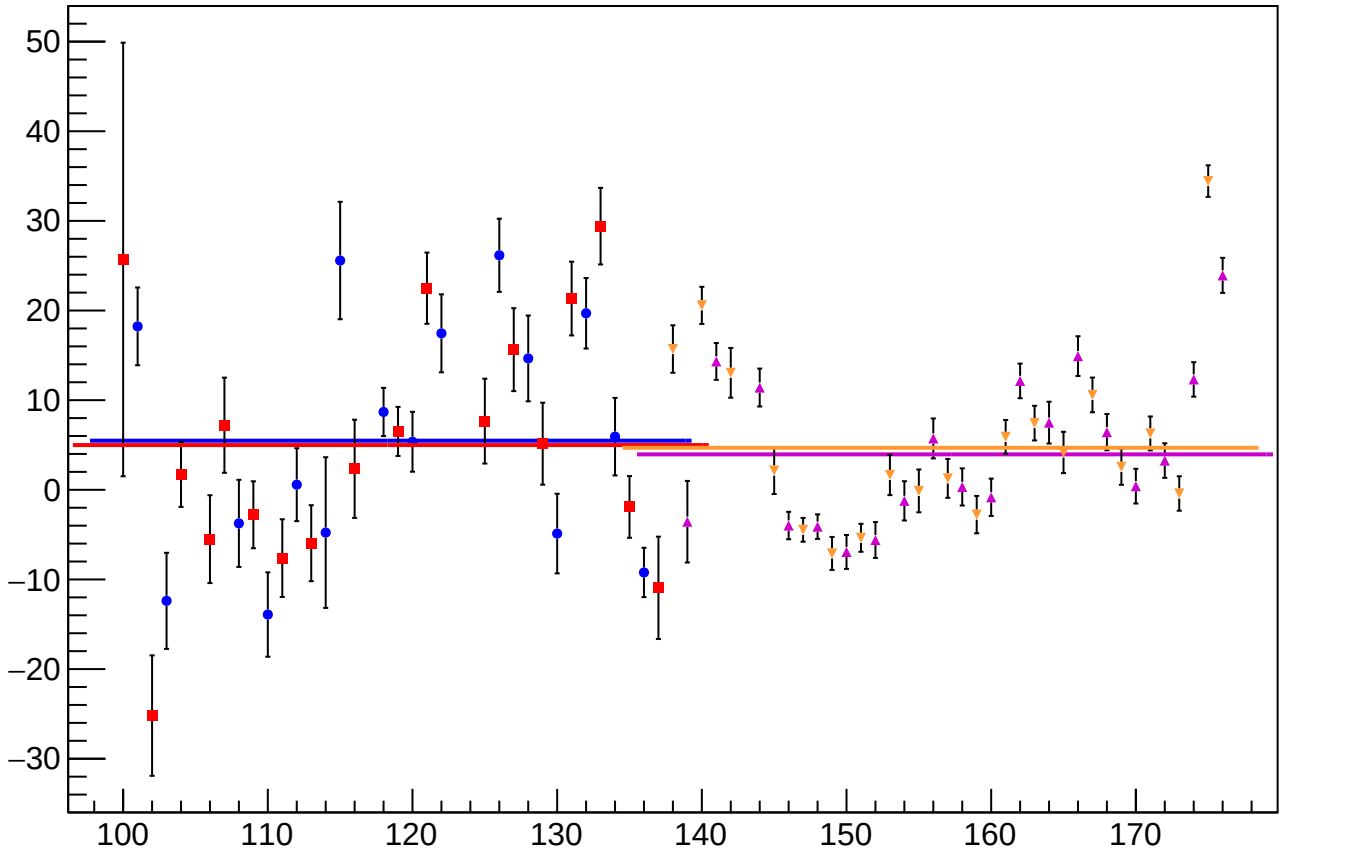
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -40.297+/-0.622 χ^2/NDF:851.3/18

\+ sign -15.186+/-0.529 χ^2/NDF: 8965.8/34

All: -13.720+/-0.369 χ^2/NDF: 17755.2/71

\- sign -12.334+/-0.514 χ^2/NDF: 8774.4/36



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 4.689+/-0.453 χ^2/NDF:542.6/18

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

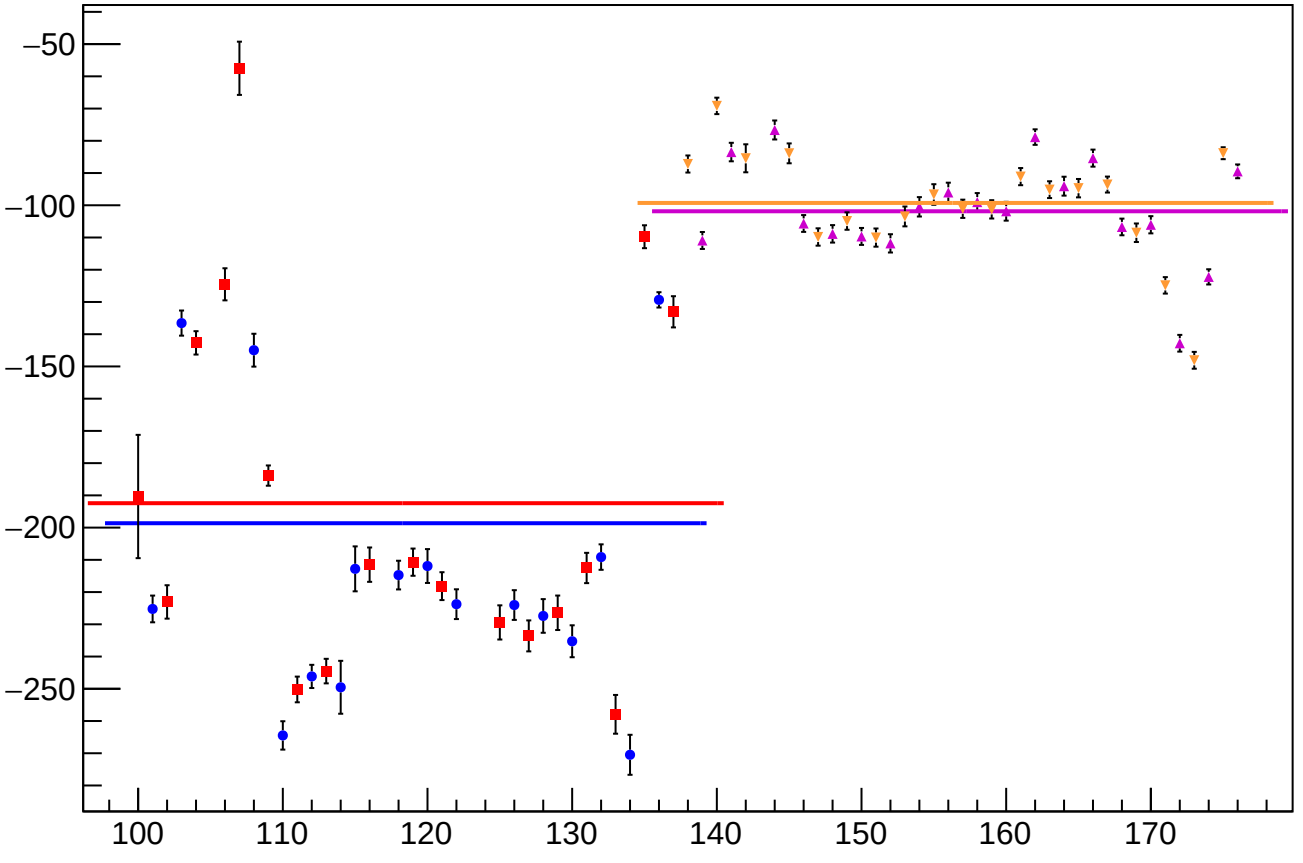
Left In: 3.954+/-0.454 χ^2/NDF:345.7/18

\+ sign 4.819+/-0.414 χ^2/NDF: 681.2/34

All: 4.473+/-0.293 χ^2/NDF: 1161.0/71

\- sign 4.125+/-0.415 χ^2/NDF: 478.4/36

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -99.275+/-0.621 χ^2/NDF:782.2/18

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

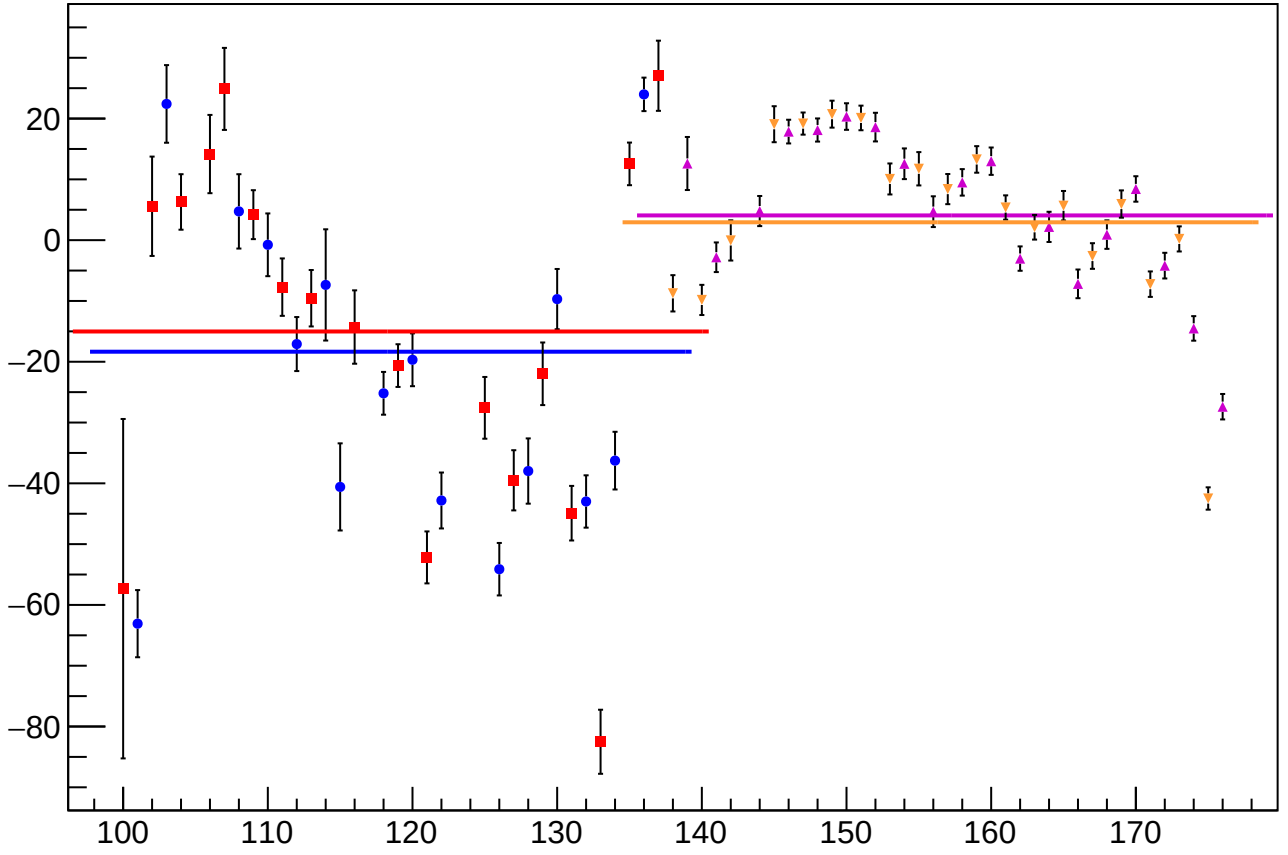
Left In: -101.863+/-0.612 χ^2/NDF:660.9/18

+ sign -123.840+/-0.539 χ^2/NDF: 9117.0/34

All: -123.874+/-0.379 χ^2/NDF: 17239.4/71

- sign -123.908+/-0.533 χ^2/NDF: 8122.5/36

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 2.940+/-0.518 χ^2/NDF:982.6/18

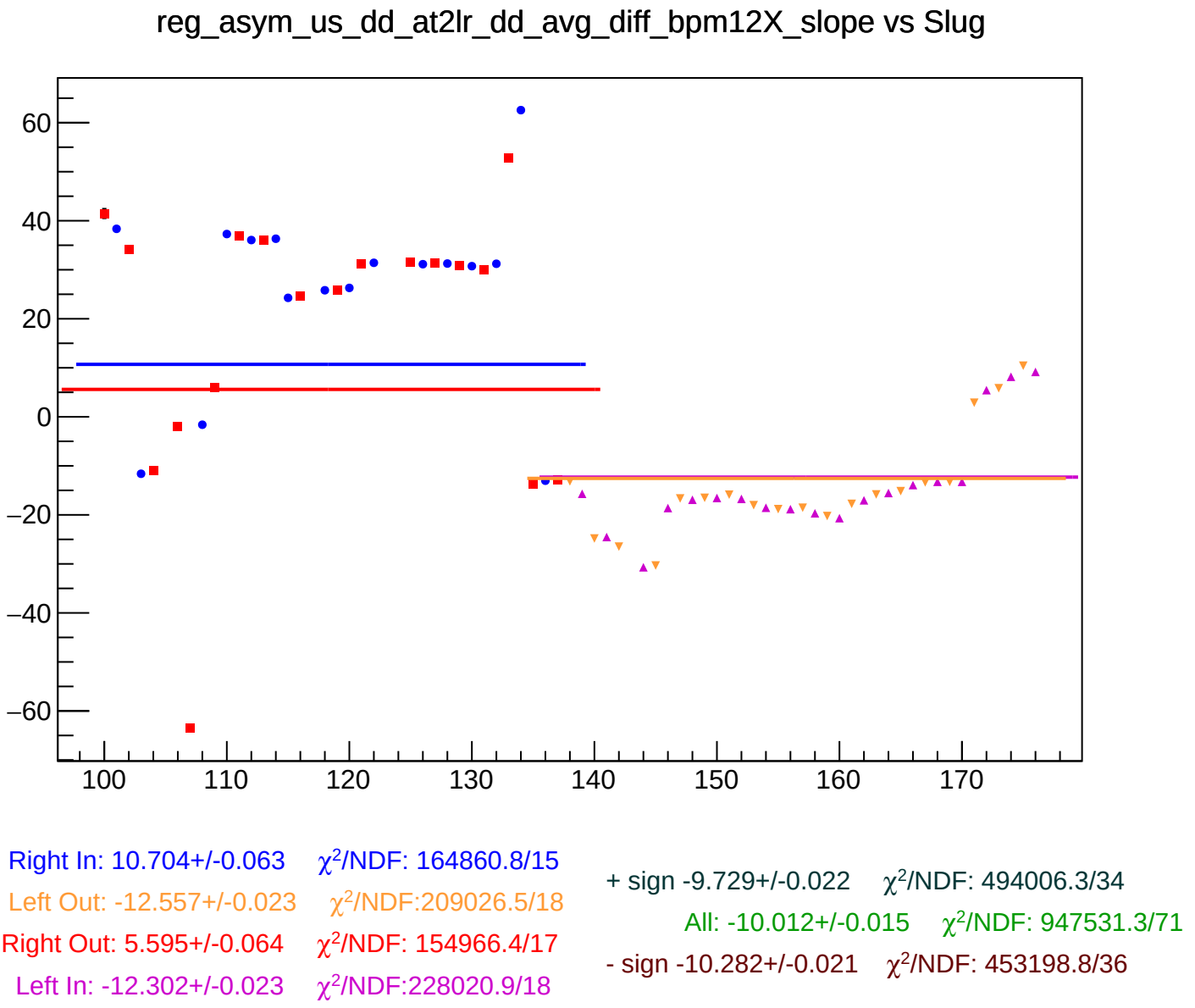
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

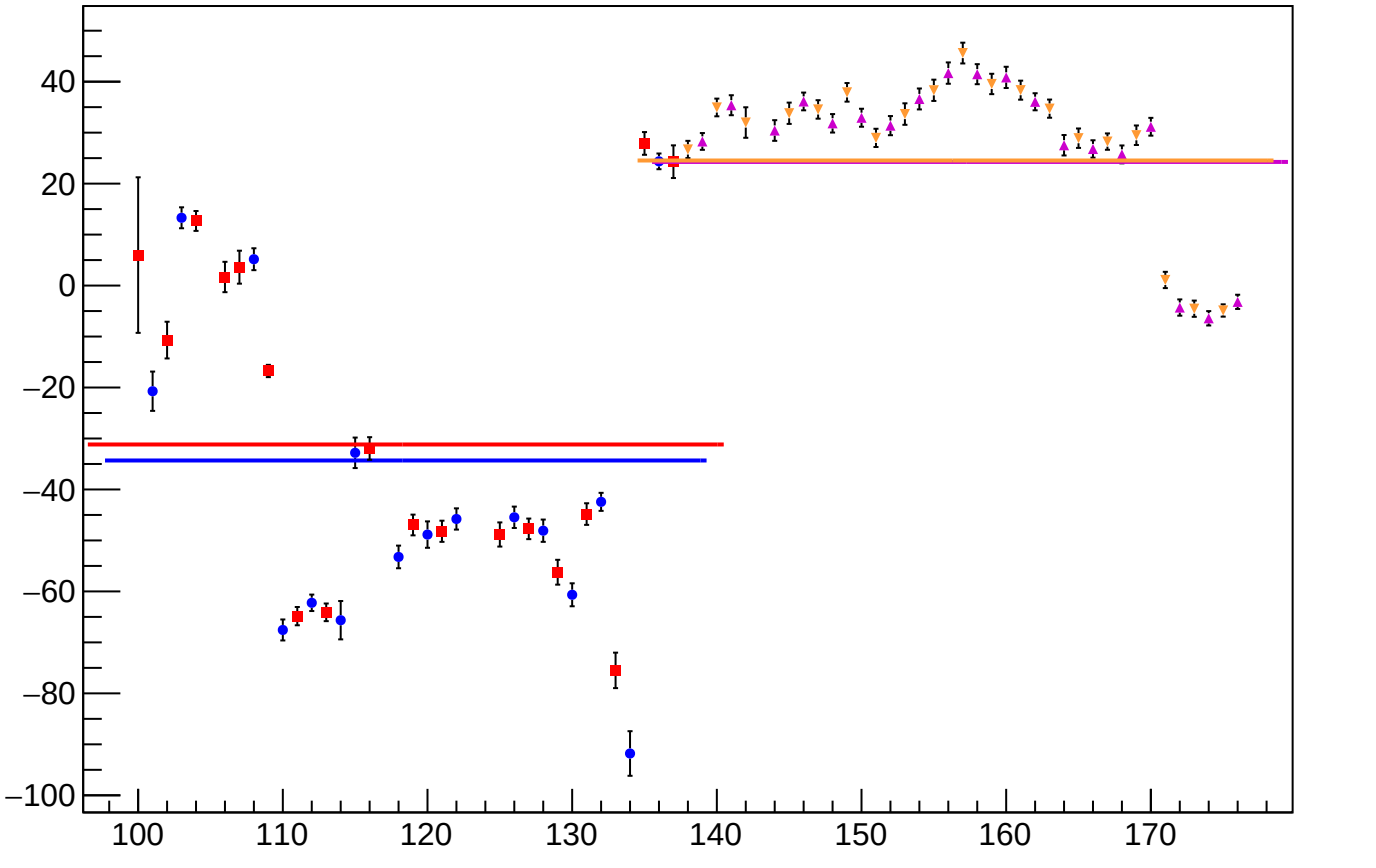
Left In: 4.069+/-0.518 χ^2/NDF:611.0/18

+ sign -0.597+/-0.473 χ^2/NDF: 1807.6/34

All: 0.155+/-0.334 χ^2/NDF: 3195.4/71

- sign 0.907+/-0.473 χ^2/NDF: 1382.7/36


reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
Right In: 10.704+/-0.063 χ²/NDF: 164860.8/15
Left Out: -12.557+/-0.023 χ²/NDF:209026.5/18
Right Out: 5.595+/-0.064 χ²/NDF: 154966.4/17
Left In: -12.302+/-0.023 χ²/NDF:228020.9/18
+ sign -9.729+/-0.022 χ²/NDF: 494006.3/34
All: -10.012+/-0.015 χ²/NDF: 947531.3/71
- sign -10.282+/-0.021 χ²/NDF: 453198.8/36



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 24.536+/-0.412 χ^2/NDF:1626.1/18

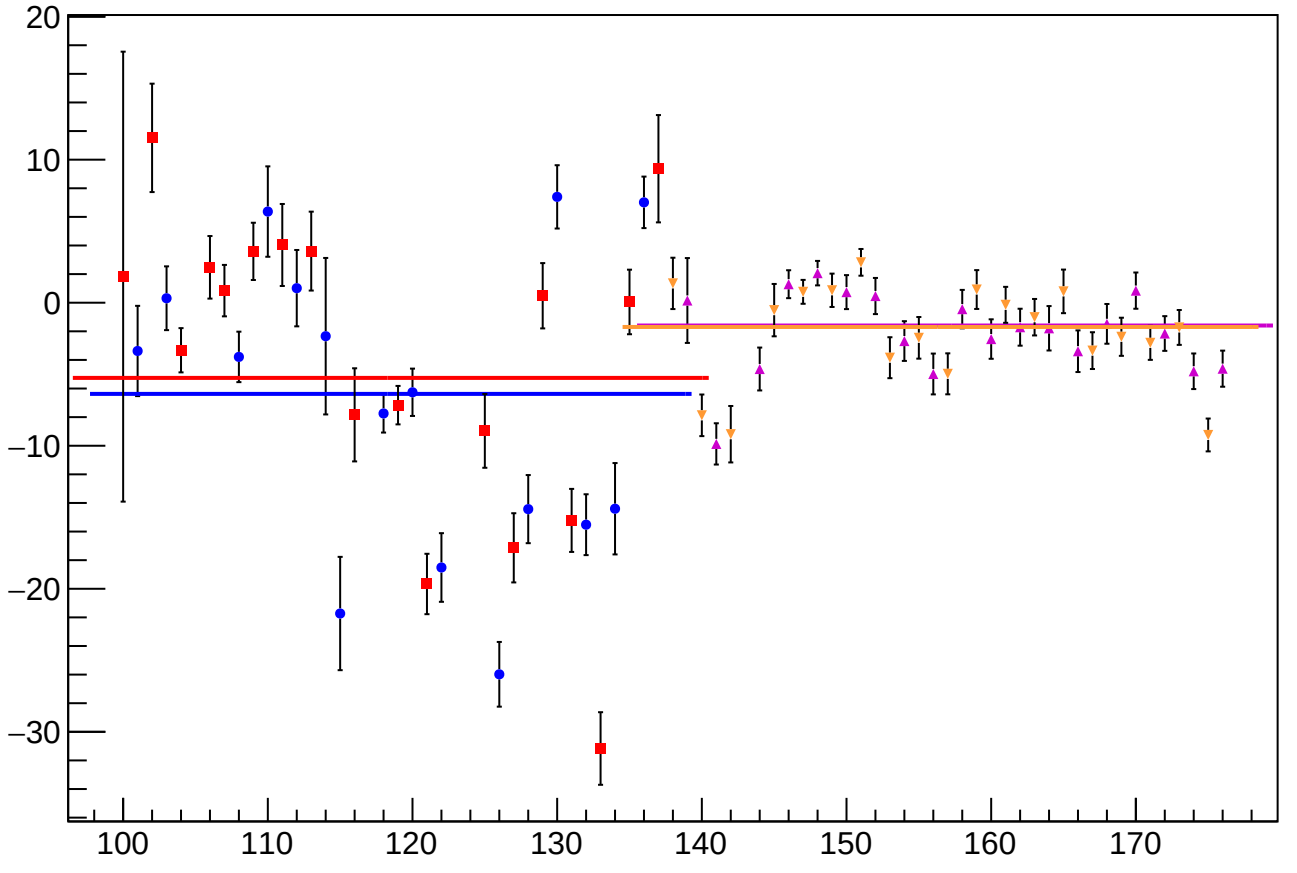
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 24.255+/-0.406 χ^2/NDF:1646.8/18

\+ sign 3.283+/-0.329 χ^2/NDF: 12500.5/34

All: 3.174+/-0.229 χ^2/NDF: 24484.7/71

\- sign 3.072+/-0.319 χ^2/NDF: 11984.1/36



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.696+/-0.293 χ^2/NDF:134.6/18

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

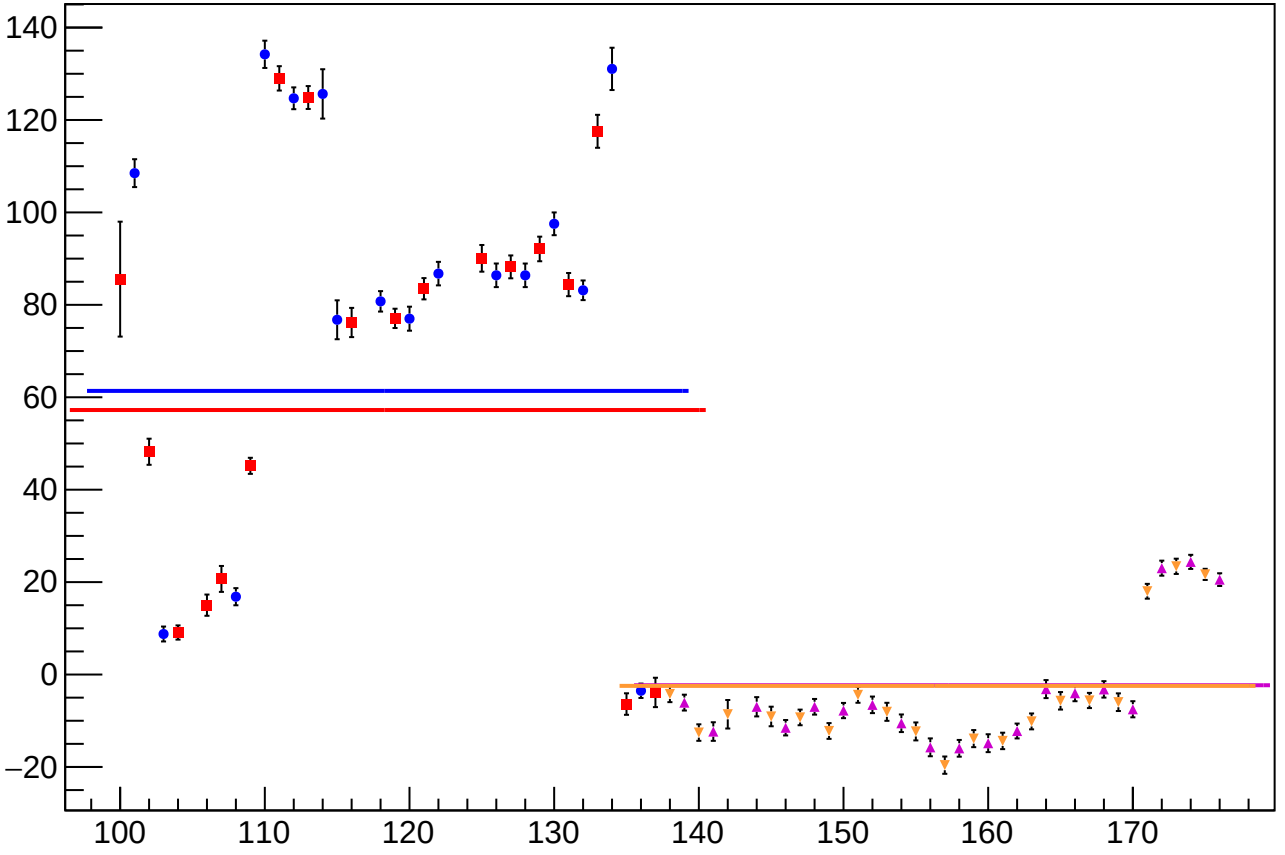
Left In: -1.595+/-0.295 χ^2/NDF:96.2/18

+ sign -2.721+/-0.259 χ^2/NDF: 474.0/34

All: -2.588+/-0.183 χ^2/NDF: 919.8/71

- sign -2.456+/-0.258 χ^2/NDF: 445.3/36

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -2.451+/-0.404 χ^2/NDF:1135.8/18

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

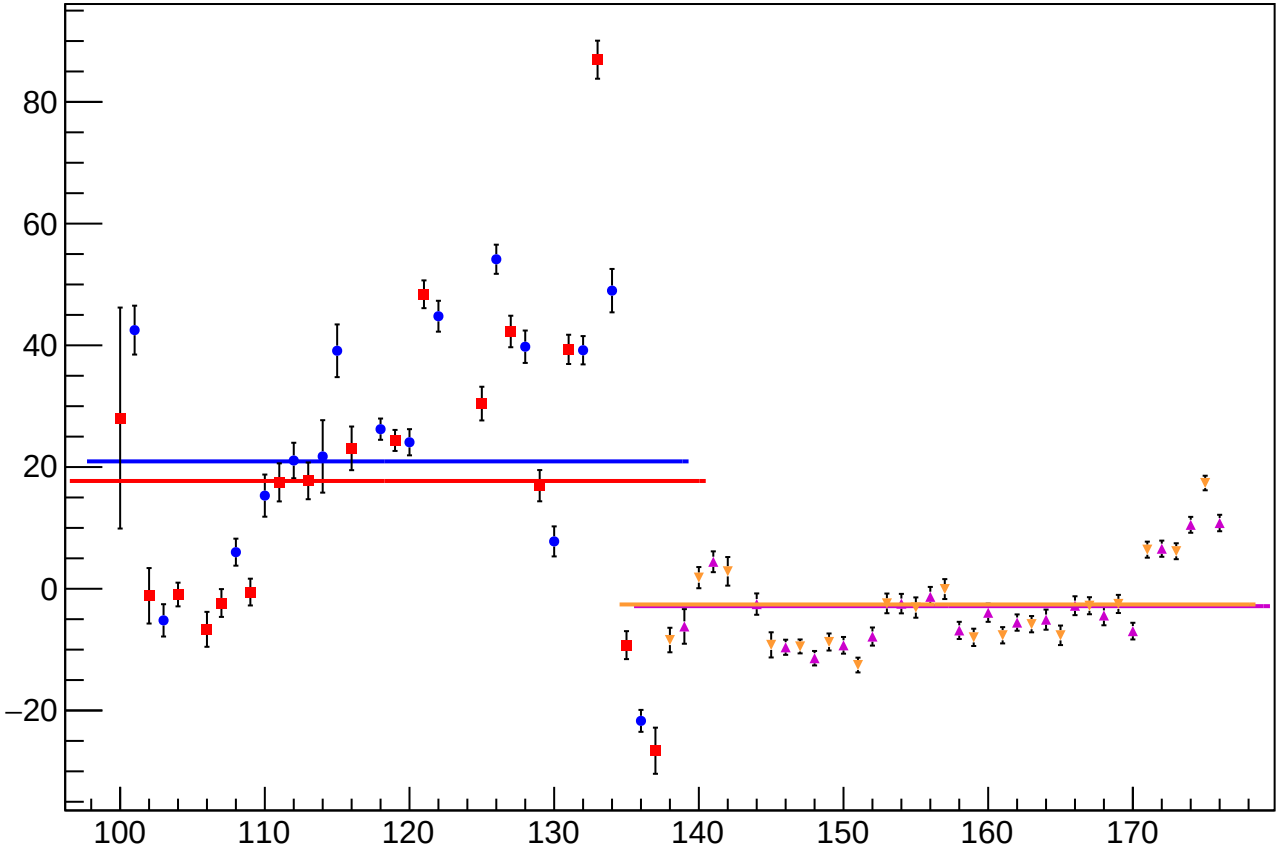
Left In: -2.315+/-0.399 χ^2/NDF:1126.0/18

+ sign 17.729+/-0.334 χ^2/NDF: 15090.4/34

All: 17.266+/-0.234 χ^2/NDF: 28639.0/71

- sign 16.819+/-0.329 χ^2/NDF: 13544.8/36

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -2.578+/-0.336 χ^2/NDF:570.3/18

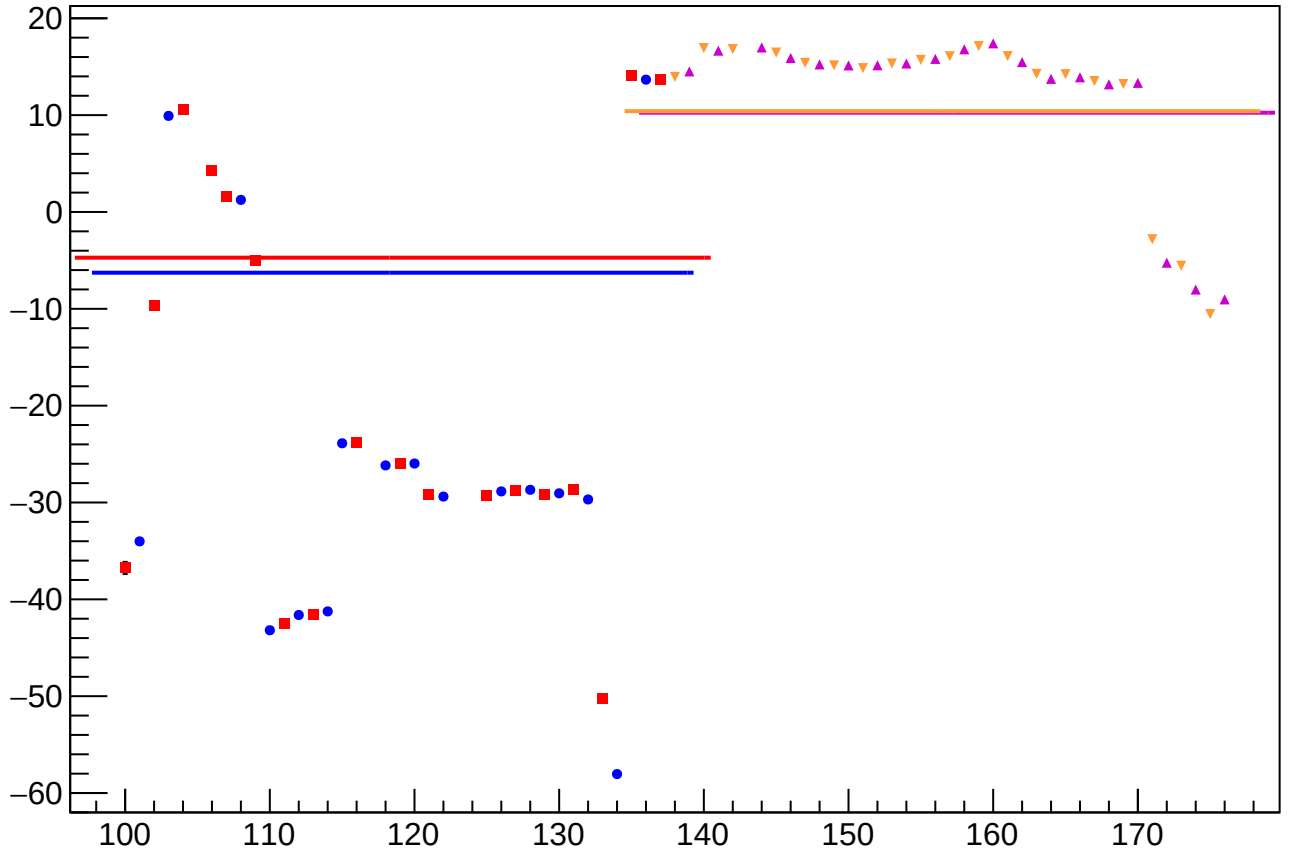
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -2.857+/-0.337 χ^2/NDF:416.6/18

+ sign 2.491+/-0.297 χ^2/NDF: 2873.7/34

All: 2.172+/-0.210 χ^2/NDF: 5628.0/71

- sign 1.856+/-0.296 χ^2/NDF: 2752.0/36



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 10.406+/-0.015 χ^2/NDF:360166.6/18

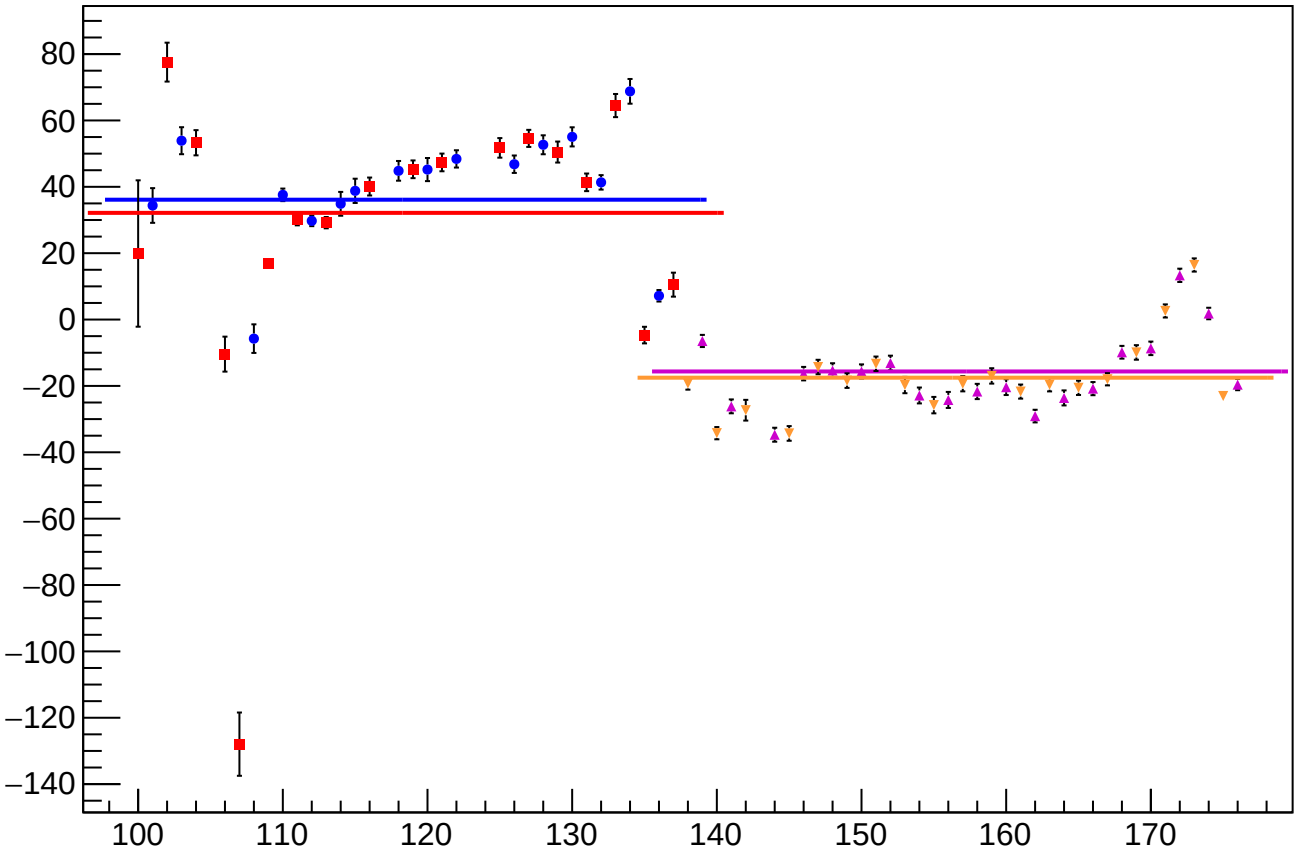
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 10.252+/-0.015 χ^2/NDF:407603.4/18

+ sign 7.548+/-0.014 χ^2/NDF: 977005.0/34

All: 7.696+/-0.010 χ^2/NDF: 1857158.7/71

- sign 7.838+/-0.014 χ^2/NDF: 879928.4/36



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -17.521+/-0.478 χ^2/NDF:595.5/18

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

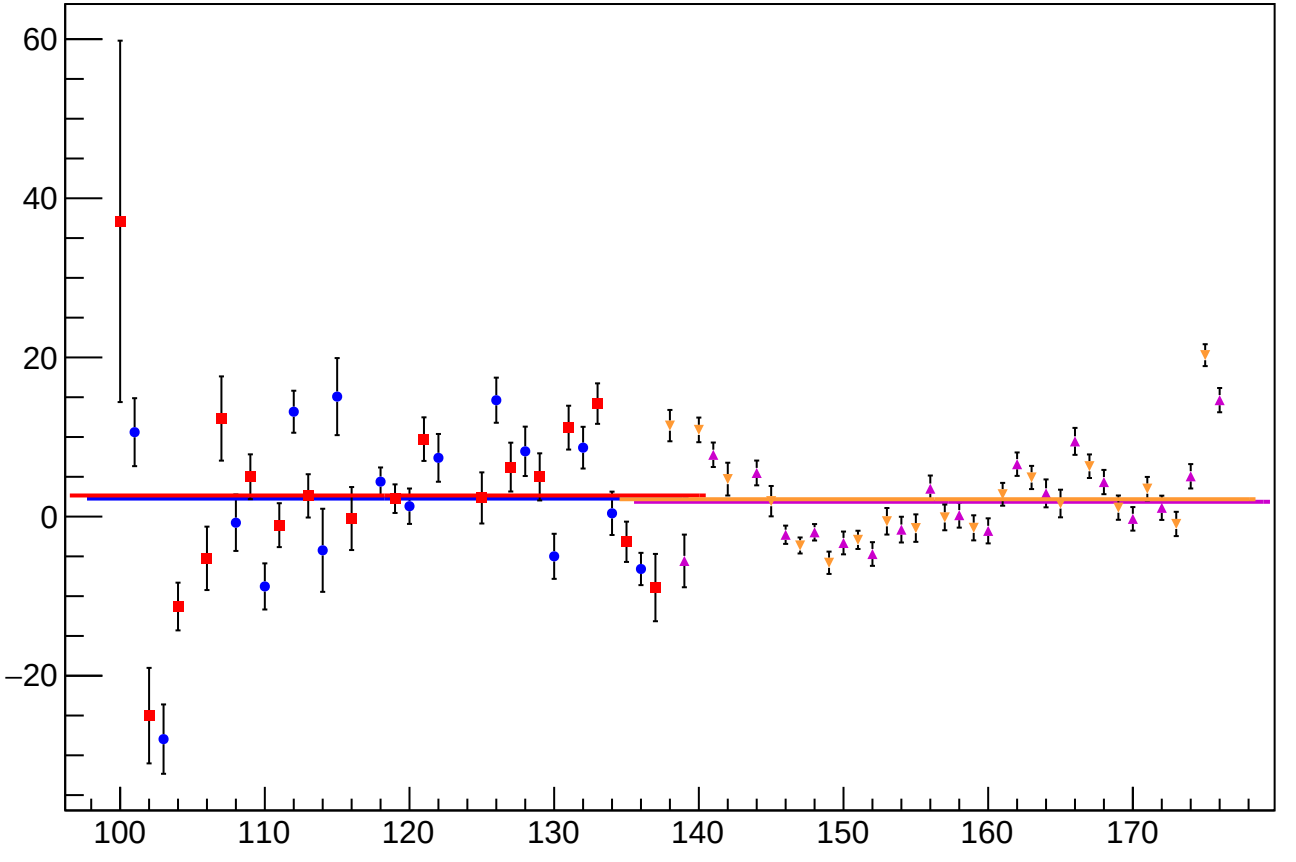
Left In: -15.641+/-0.471 χ^2/NDF:571.1/18

+ sign 1.066+/-0.386 χ^2/NDF: 5581.8/34

All: 1.277+/-0.270 χ^2/NDF: 10953.9/71

- sign 1.479+/-0.377 χ^2/NDF: 5371.5/36

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 2.182+/-0.343 χ^2/NDF:345.5/18

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

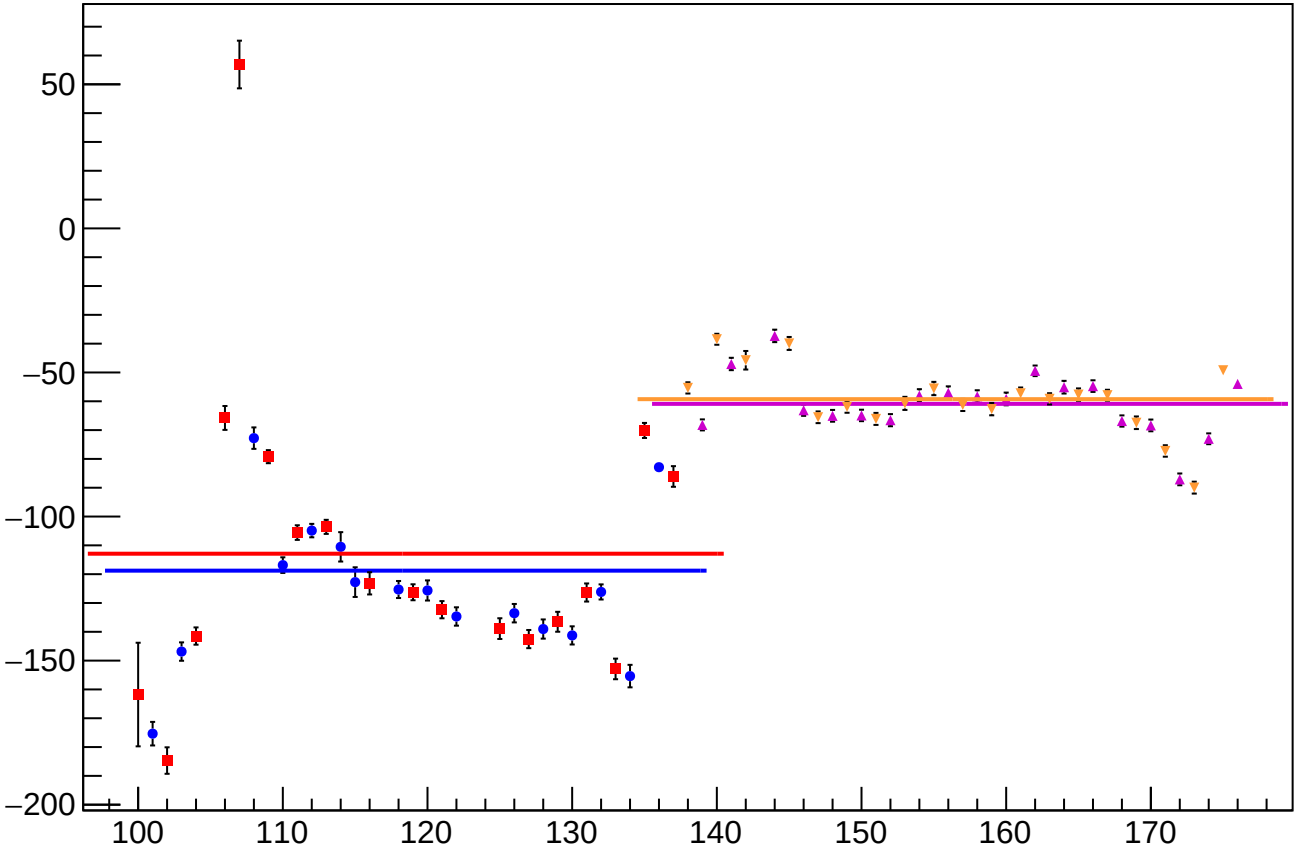
Left In: 1.861+/-0.344 χ^2/NDF:207.0/18

\+ sign 2.198+/-0.308 χ^2/NDF: 497.5/34

All: 2.104+/-0.219 χ^2/NDF: 813.0/71

\- sign 2.010+/-0.310 χ^2/NDF: 315.2/36

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -59.264+/-0.470 χ^2/NDF:608.8/18

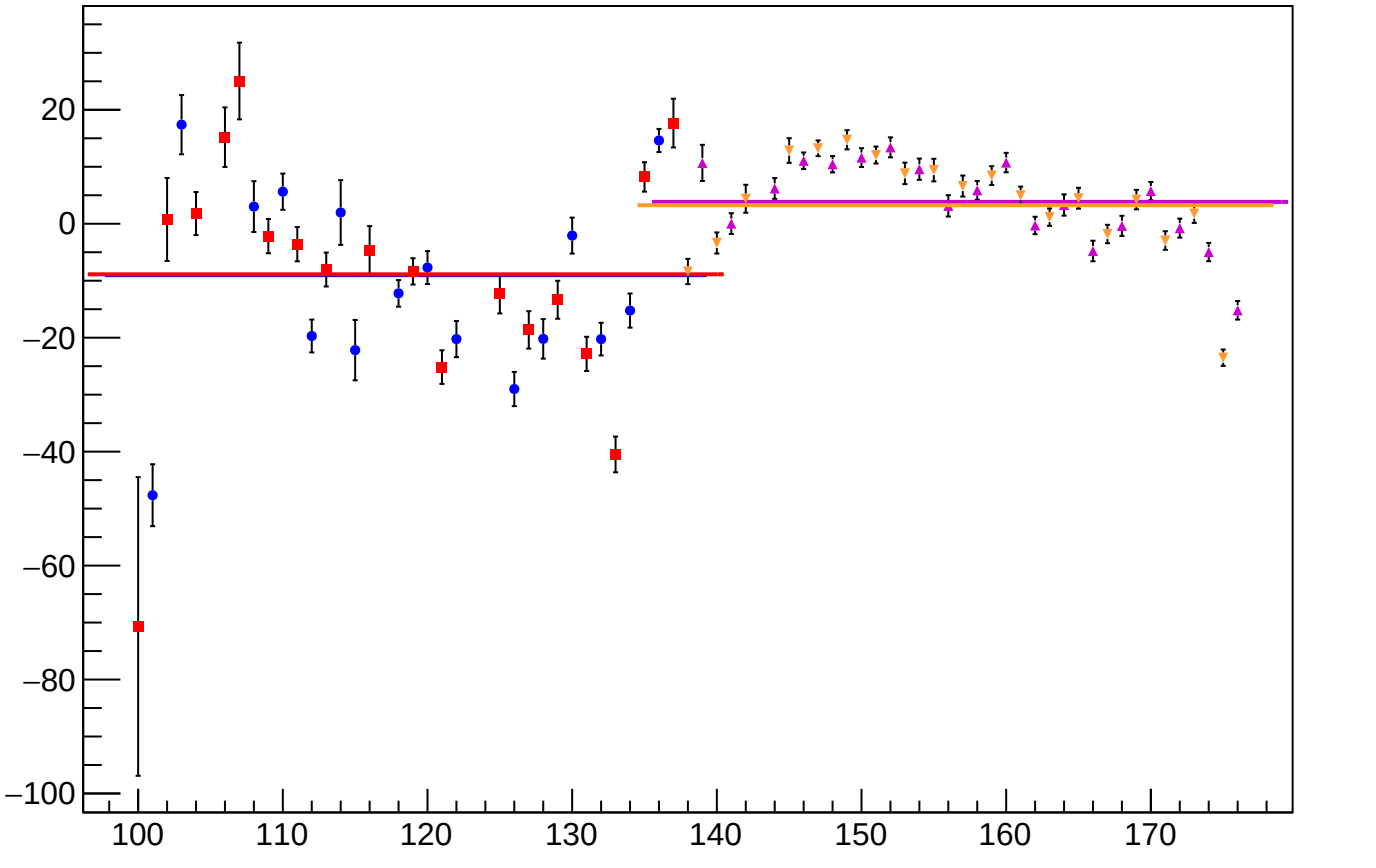
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -60.894+/-0.464 χ^2/NDF:498.8/18

\+ sign -75.804+/-0.399 χ^2/NDF: 6193.3/34

All: -75.391+/-0.281 χ^2/NDF: 11962.3/71

\- sign -74.983+/-0.396 χ^2/NDF: 5766.8/36



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 3.250+/-0.392 χ^2/NDF:603.7/18

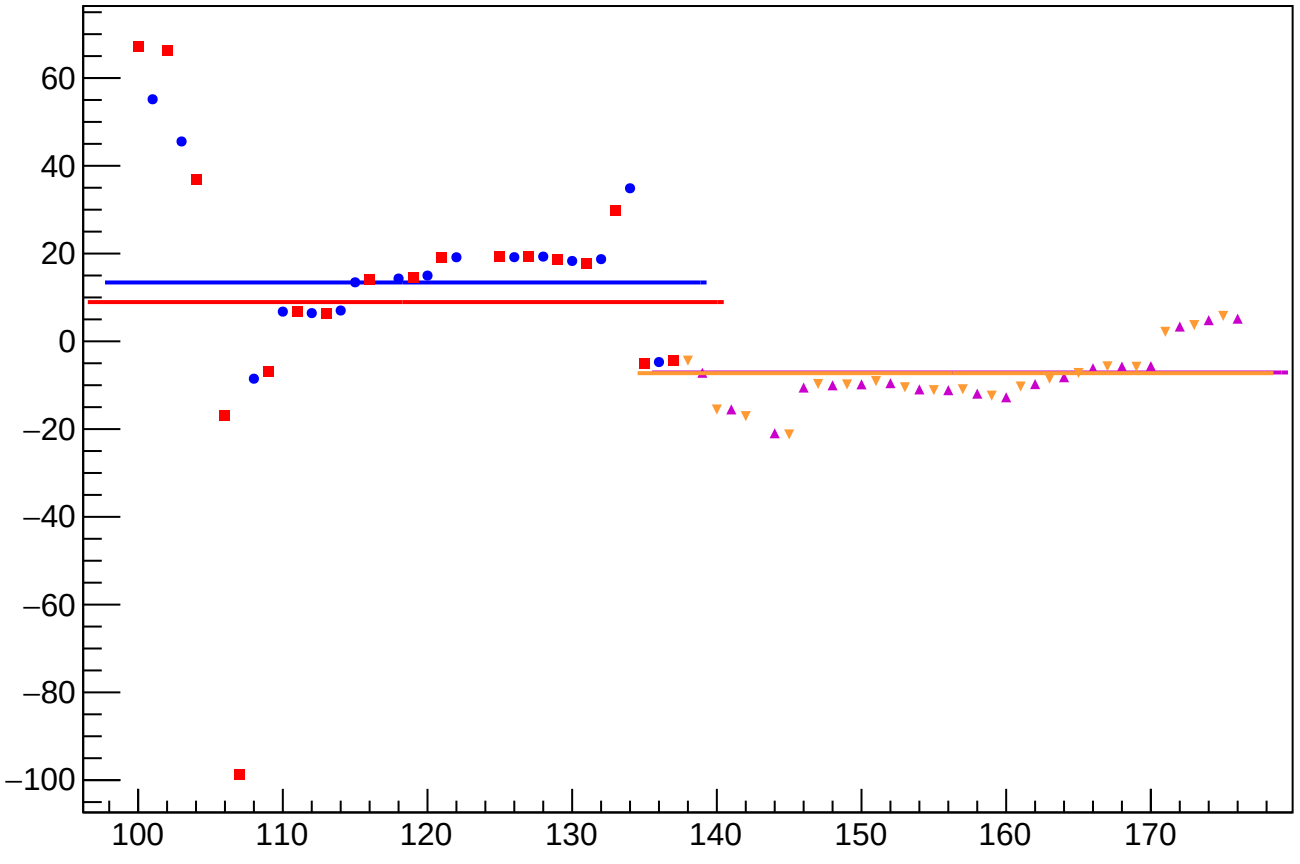
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 3.831+/-0.393 χ^2/NDF:346.5/18

\+ sign 0.856+/-0.351 χ^2/NDF: 1153.2/34

All: 1.133+/-0.249 χ^2/NDF: 2018.8/71

\- sign 1.414+/-0.353 χ^2/NDF: 864.4/36



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -7.255+/-0.018 χ^2/NDF:139140.8/18

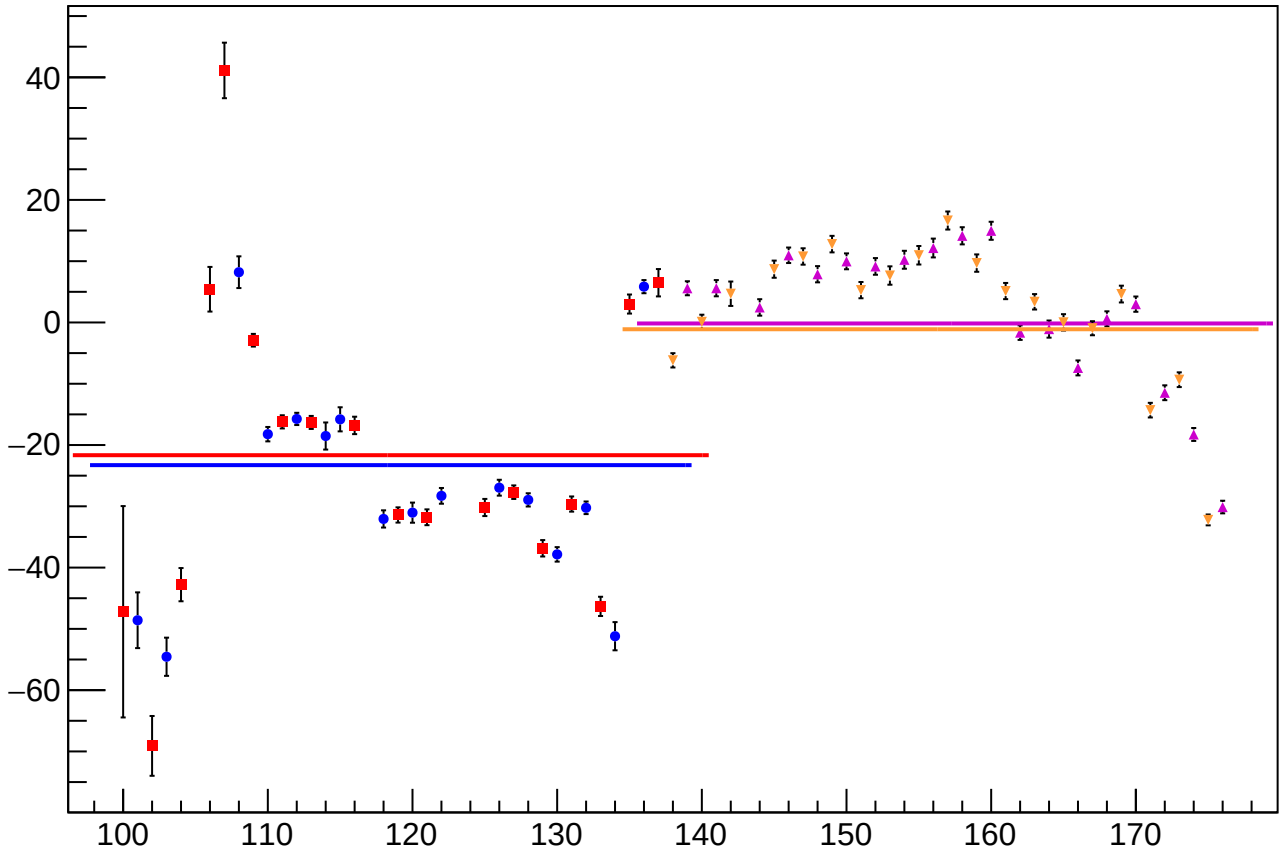
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -7.099+/-0.017 χ^2/NDF:141438.0/18

\+ sign -4.520+/-0.016 χ^2/NDF: 503585.7/34

All: -4.884+/-0.012 χ^2/NDF: 1038347.6/71

\- sign -5.235+/-0.016 χ^2/NDF: 533800.1/36



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -1.107+/-0.295 χ^2/NDF:2038.7/18

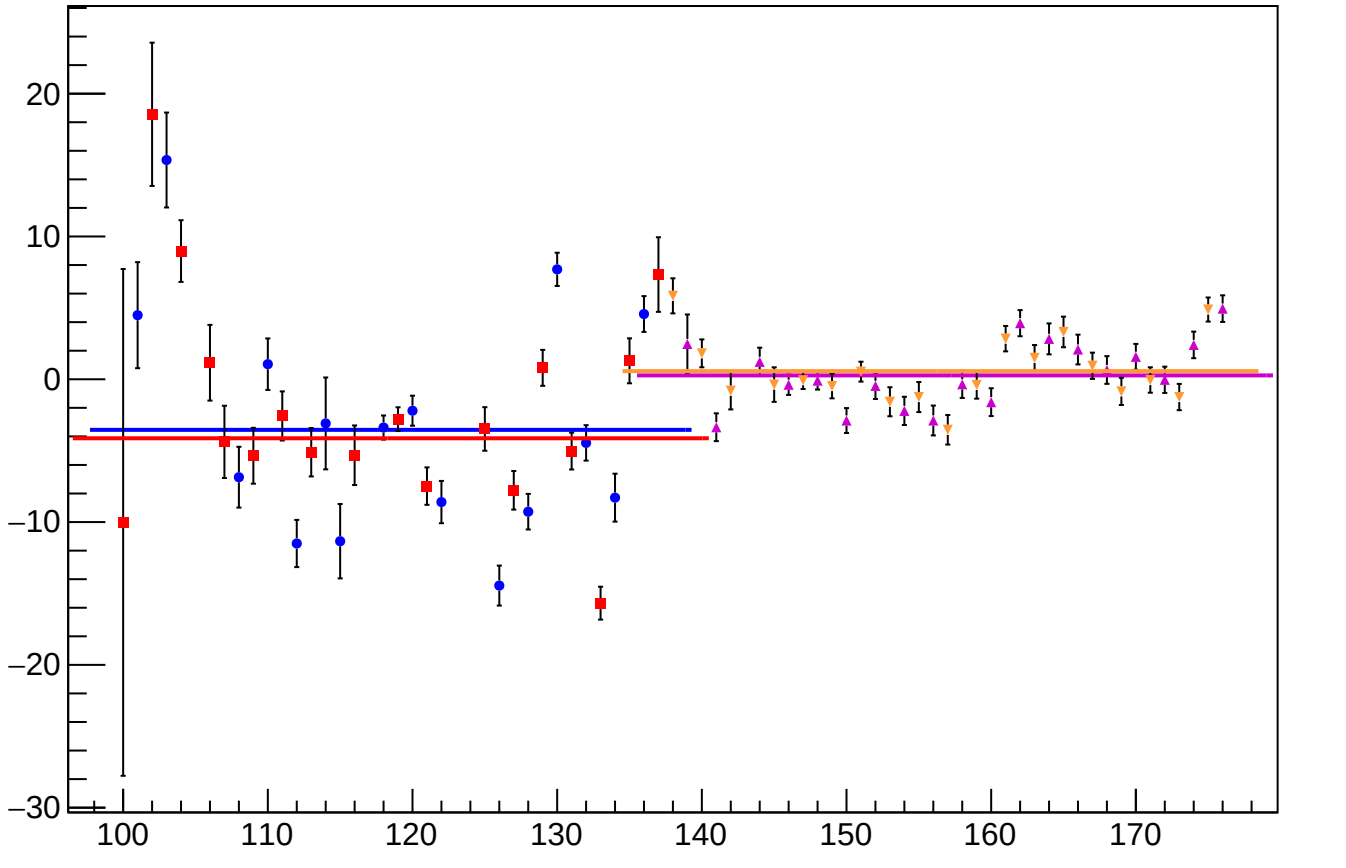
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -0.163+/-0.291 χ^2/NDF:1867.2/18

+ sign -10.313+/-0.226 χ^2/NDF: 5948.7/34

All: -9.662+/-0.159 χ^2/NDF: 11896.9/71

- sign -9.027+/-0.223 χ^2/NDF: 5931.8/36



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.571+/-0.211 χ^2/NDF:95.5/18

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

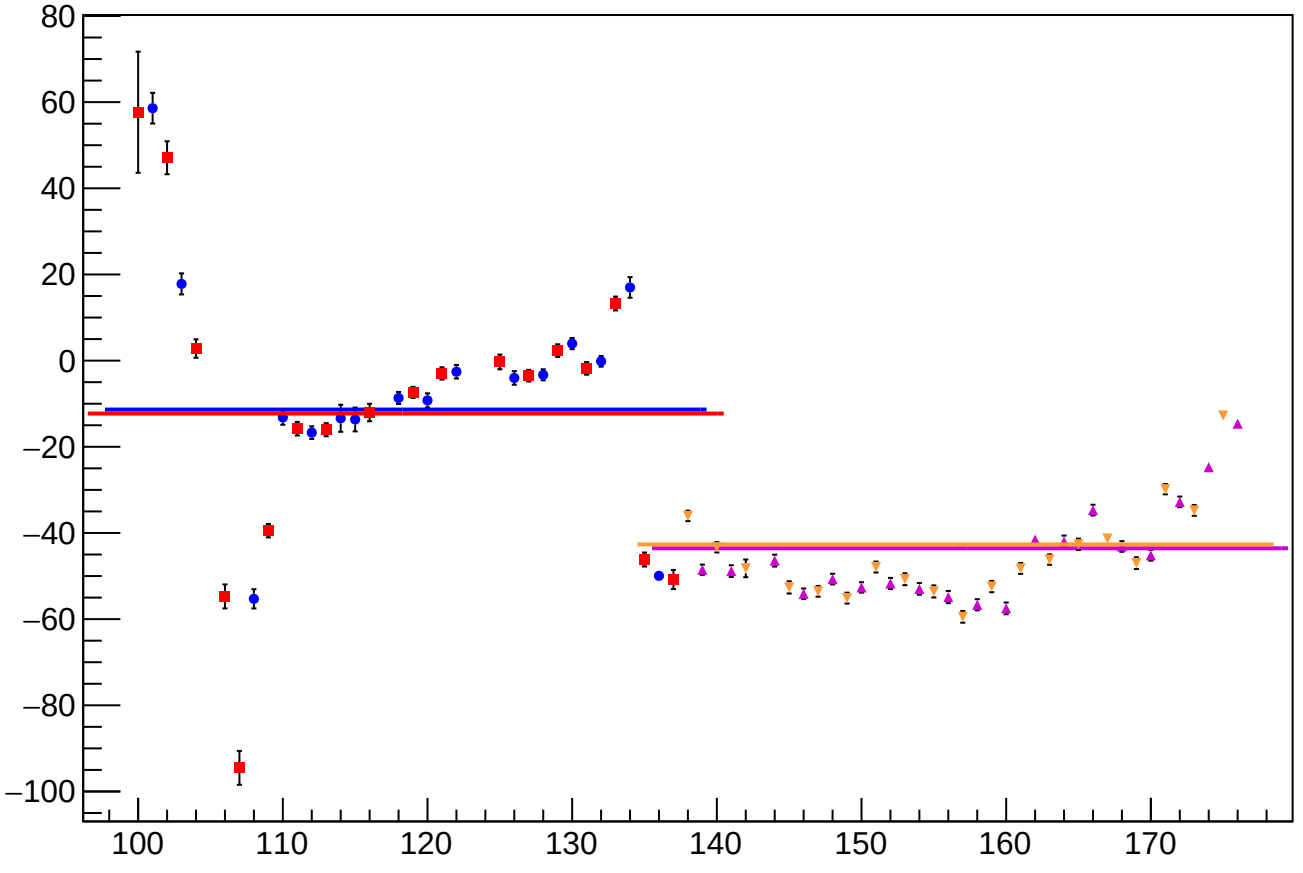
Left In: 0.271+/-0.212 χ^2/NDF:107.9/18

\+ sign -0.471+/-0.183 χ^2/NDF: 508.3/34

All: -0.642+/-0.130 χ^2/NDF: 951.7/71

\- sign -0.817+/-0.184 χ^2/NDF: 441.6/36

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -42.656+/-0.290 χ^2/NDF:1917.2/18

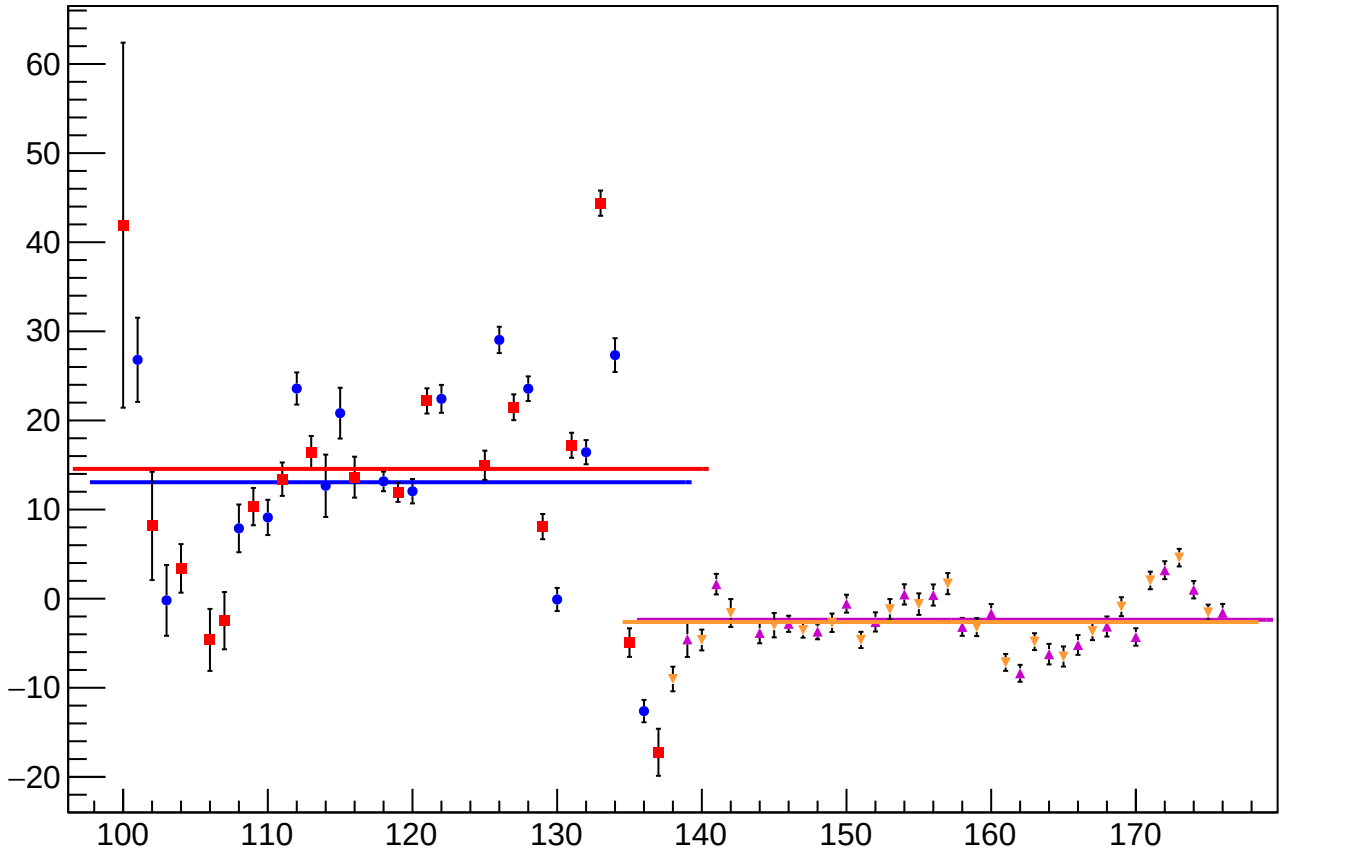
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -43.556+/-0.286 χ^2/NDF:1774.4/18

+ sign -32.074+/-0.236 χ^2/NDF: 8519.5/34

All: -32.741+/-0.167 χ^2/NDF: 16770.8/71

- sign -33.405+/-0.235 χ^2/NDF: 8235.3/36



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.616+/-0.241 χ^2/NDF:170.0/18

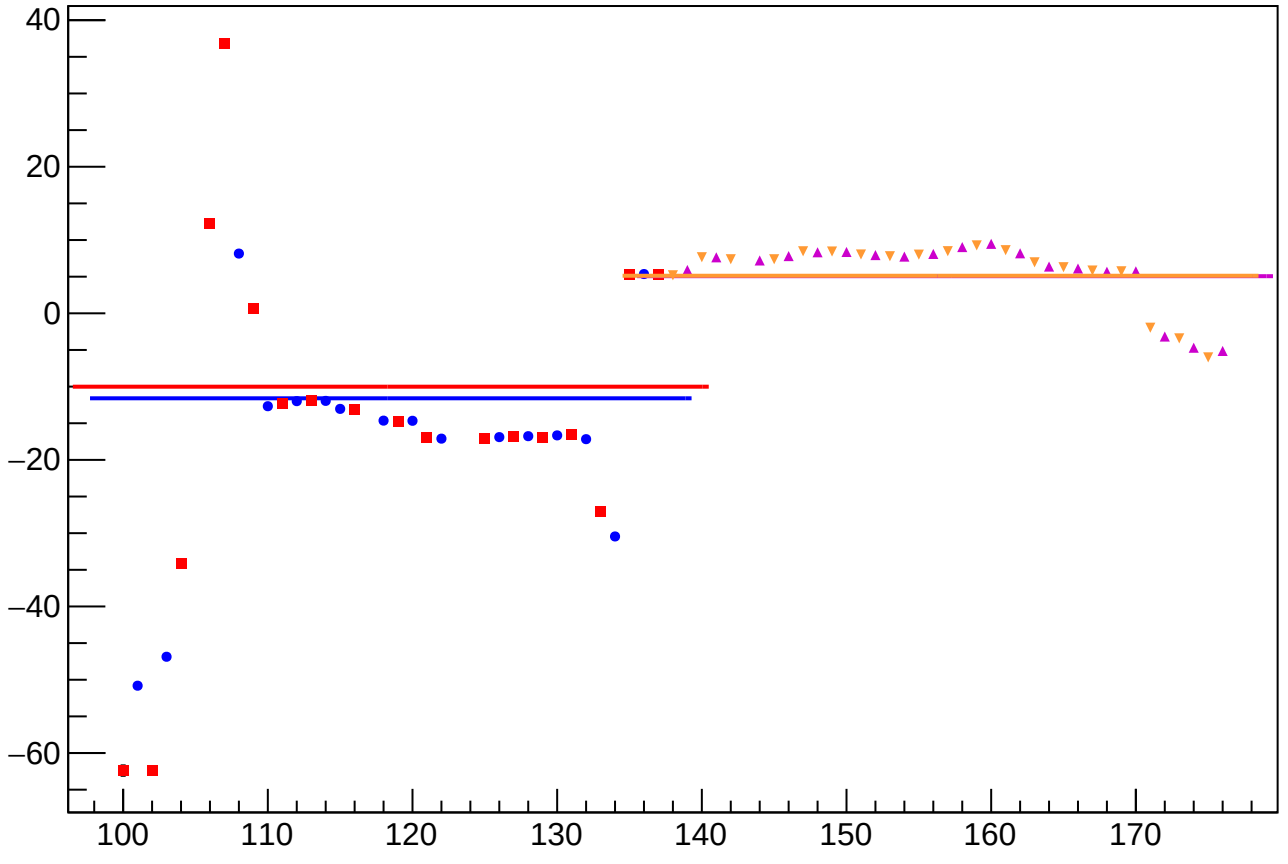
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.369+/-0.242 χ^2/NDF:138.6/18

\+ sign 1.355+/-0.209 χ^2/NDF: 2101.1/34

All: 1.585+/-0.148 χ^2/NDF: 4354.2/71

\- sign 1.818+/-0.210 χ^2/NDF: 2250.7/36



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 5.126+/-0.011 χ^2/NDF:188917.4/18

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

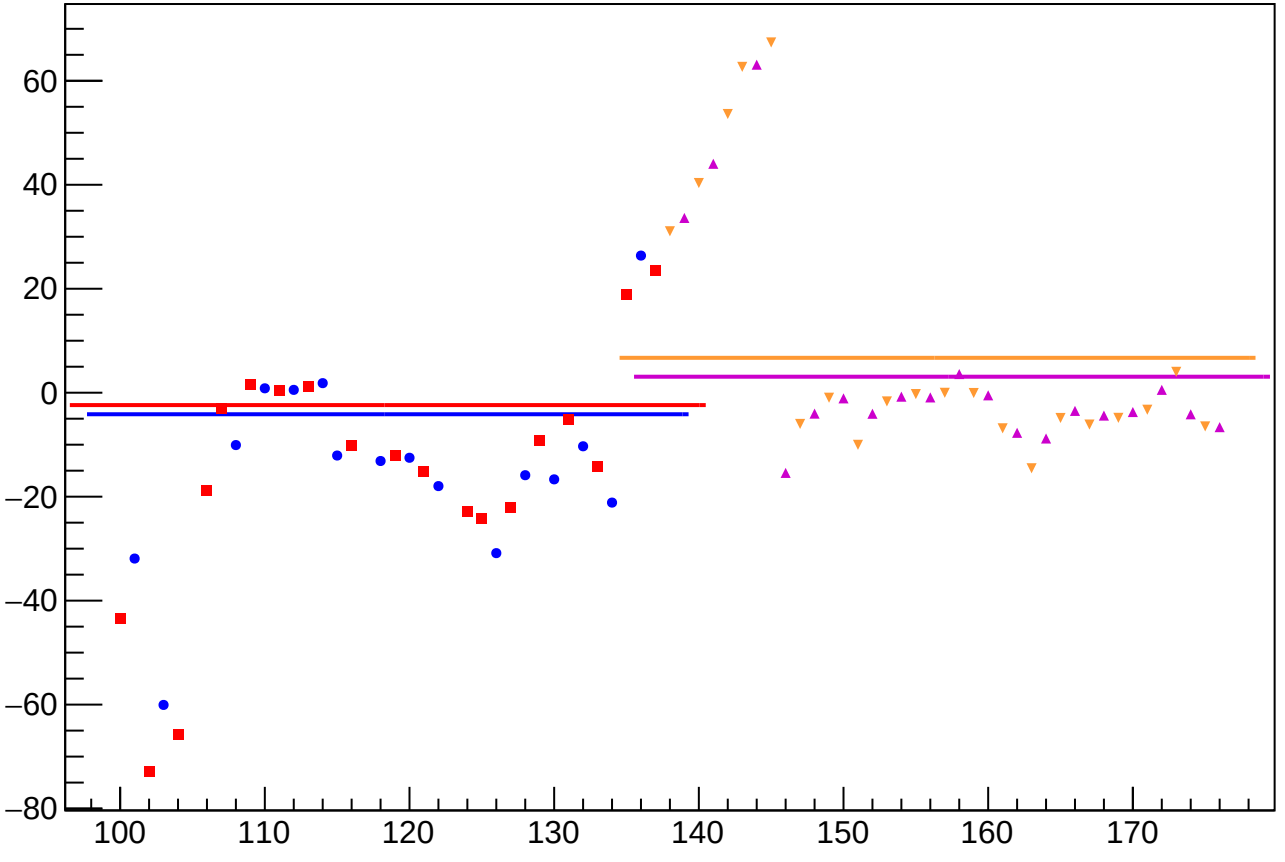
Left In: 5.066+/-0.011 χ^2/NDF:210531.4/18

+ sign 2.669+/-0.010 χ^2/NDF: 894055.3/34

All: 2.892+/-0.007 χ^2/NDF: 1764425.6/71

- sign 3.106+/-0.010 χ^2/NDF: 869414.6/36

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 6.711+/-0.053 χ^2/NDF:160307.0/19

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

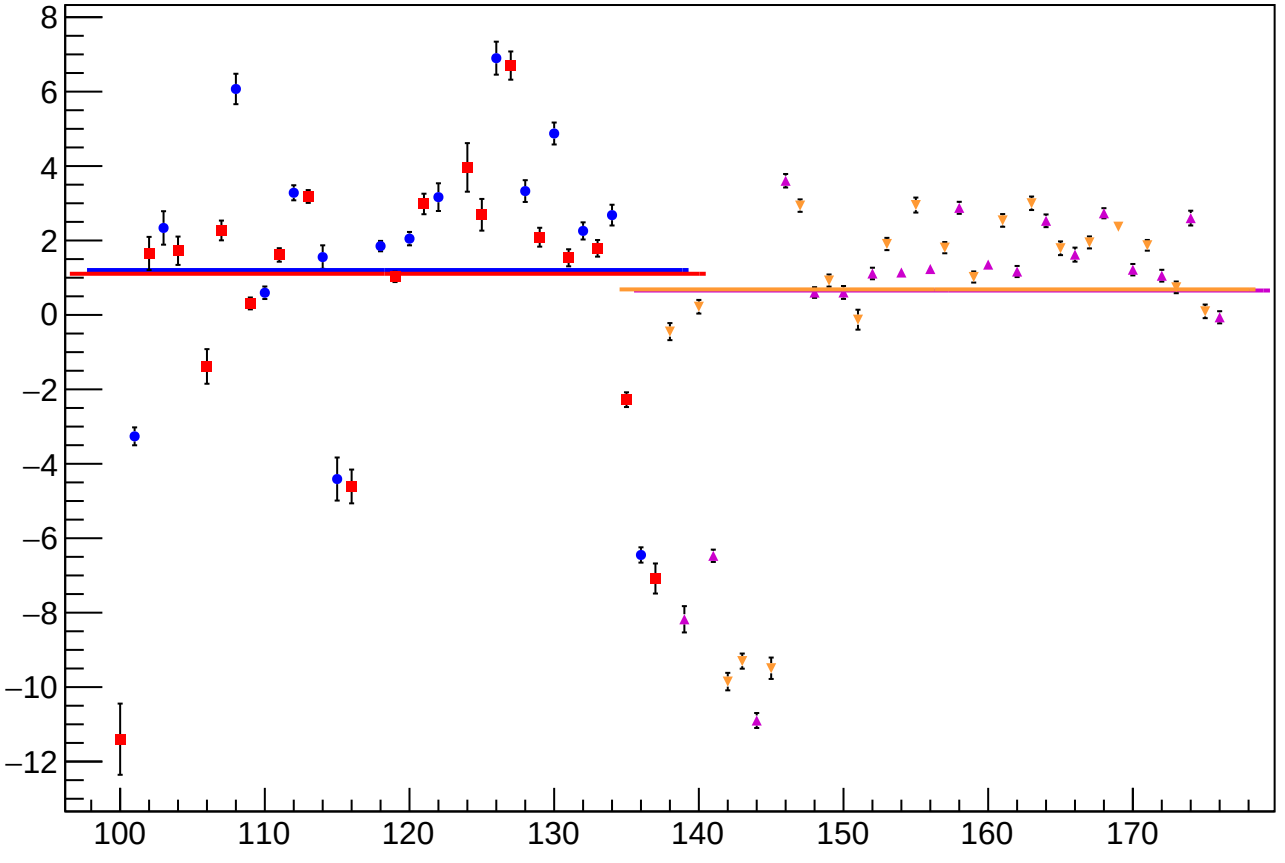
Left In: 3.077+/-0.048 χ^2/NDF:126007.7/18

+ sign 1.422+/-0.038 χ^2/NDF: 255784.3/35

All: 0.752+/-0.025 χ^2/NDF: 469817.4/73

- sign 0.244+/-0.033 χ^2/NDF: 213491.1/37

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.686+/-0.039 χ^2/NDF:6746.9/19

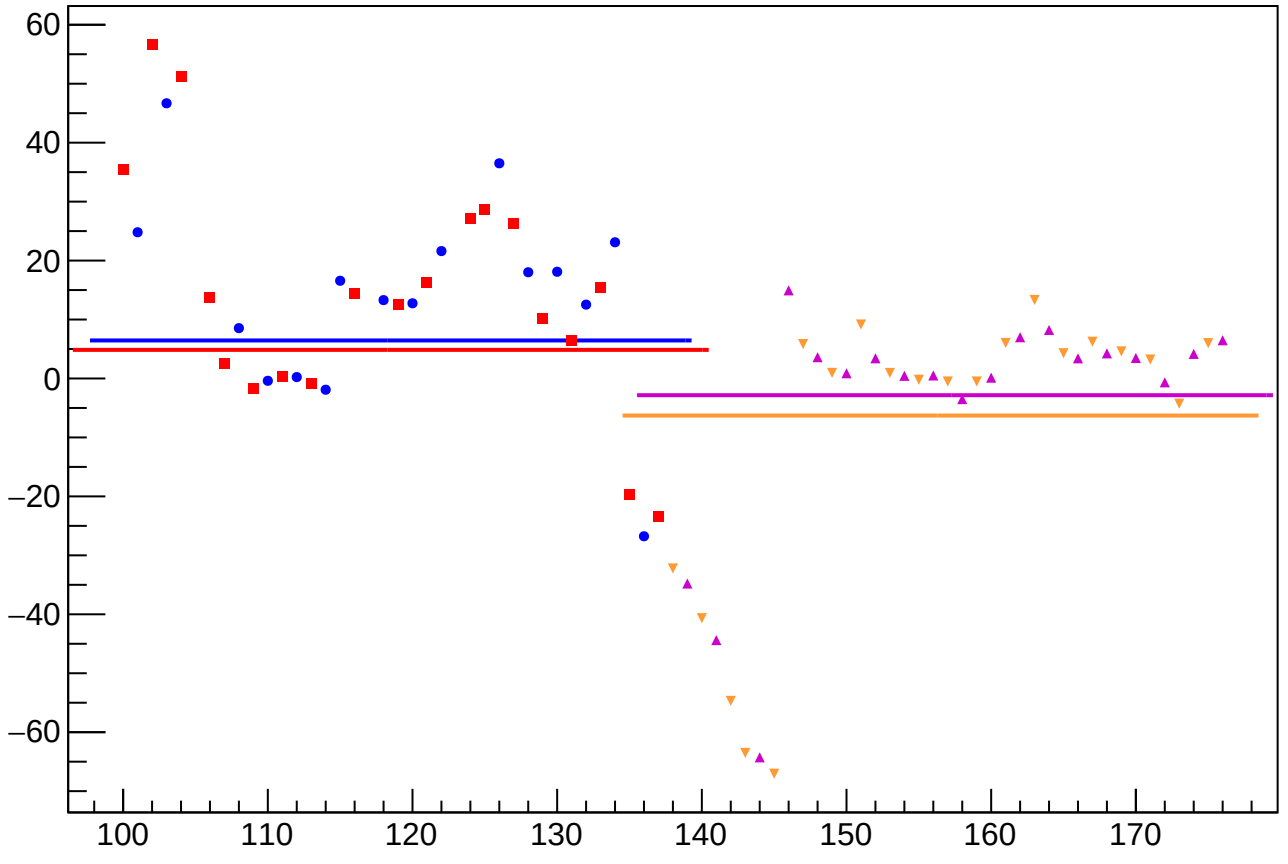
Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.656+/-0.035 χ^2/NDF:6842.3/18

+ sign 0.841+/-0.033 χ^2/NDF: 9383.5/35

All: 0.807+/-0.022 χ^2/NDF: 17859.6/73

- sign 0.779+/-0.030 χ^2/NDF: 8474.3/37



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -6.285+/-0.052 χ^2/NDF:155260.5/19

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

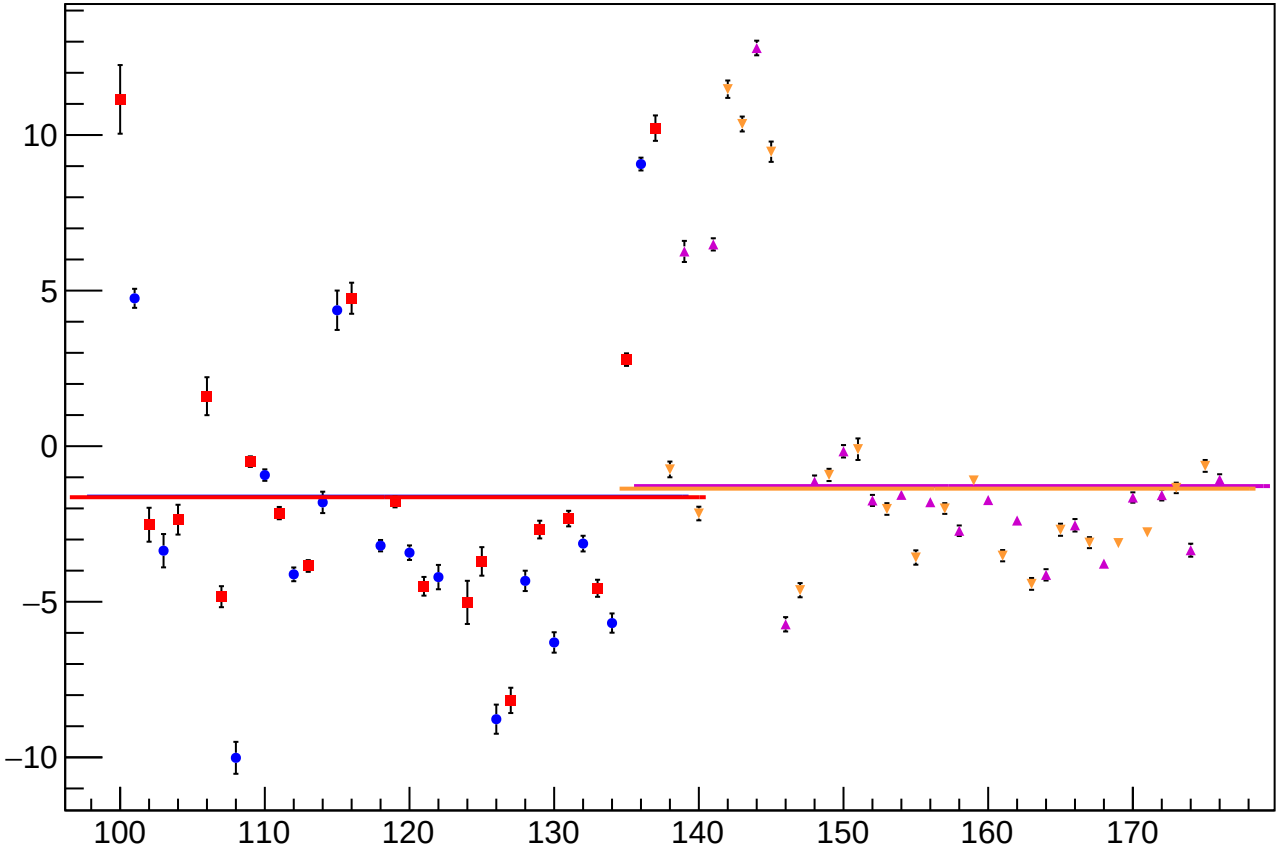
Left In: -2.835+/-0.047 χ^2/NDF:123065.8/18

\+ sign -1.278+/-0.041 χ^2/NDF: 249089.5/35

All: -0.505+/-0.027 χ^2/NDF: 458477.3/73

\- sign 0.116+/-0.037 χ^2/NDF: 208742.8/37

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.365+/-0.044 χ^2/NDF:6724.5/19

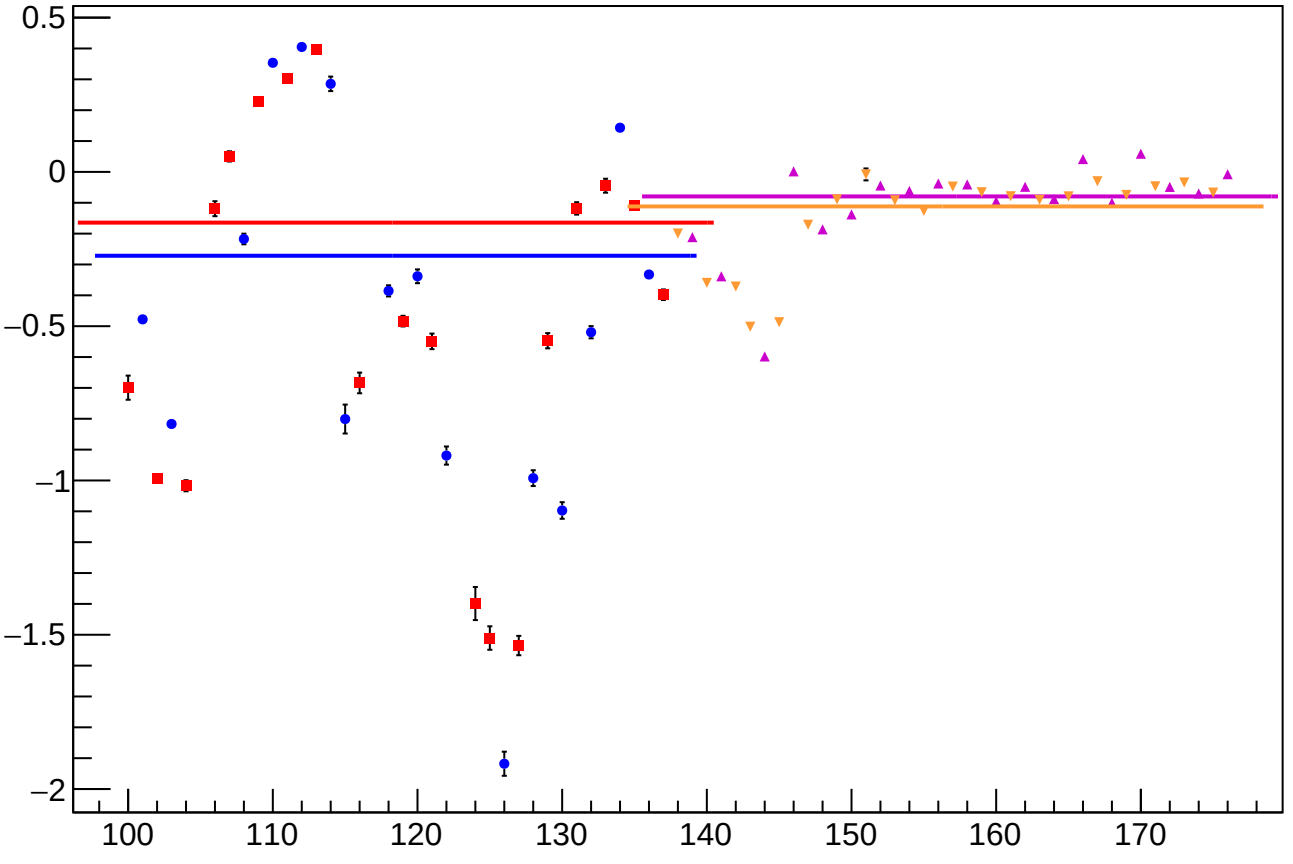
Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -1.283+/-0.040 χ^2/NDF:6838.1/18

+ sign -1.439+/-0.037 χ^2/NDF: 11259.5/35

All: -1.406+/-0.025 χ^2/NDF: 20583.4/73

- sign -1.380+/-0.034 χ^2/NDF: 9322.6/37



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.112+/-0.002 χ^2/NDF:3485.0/19

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

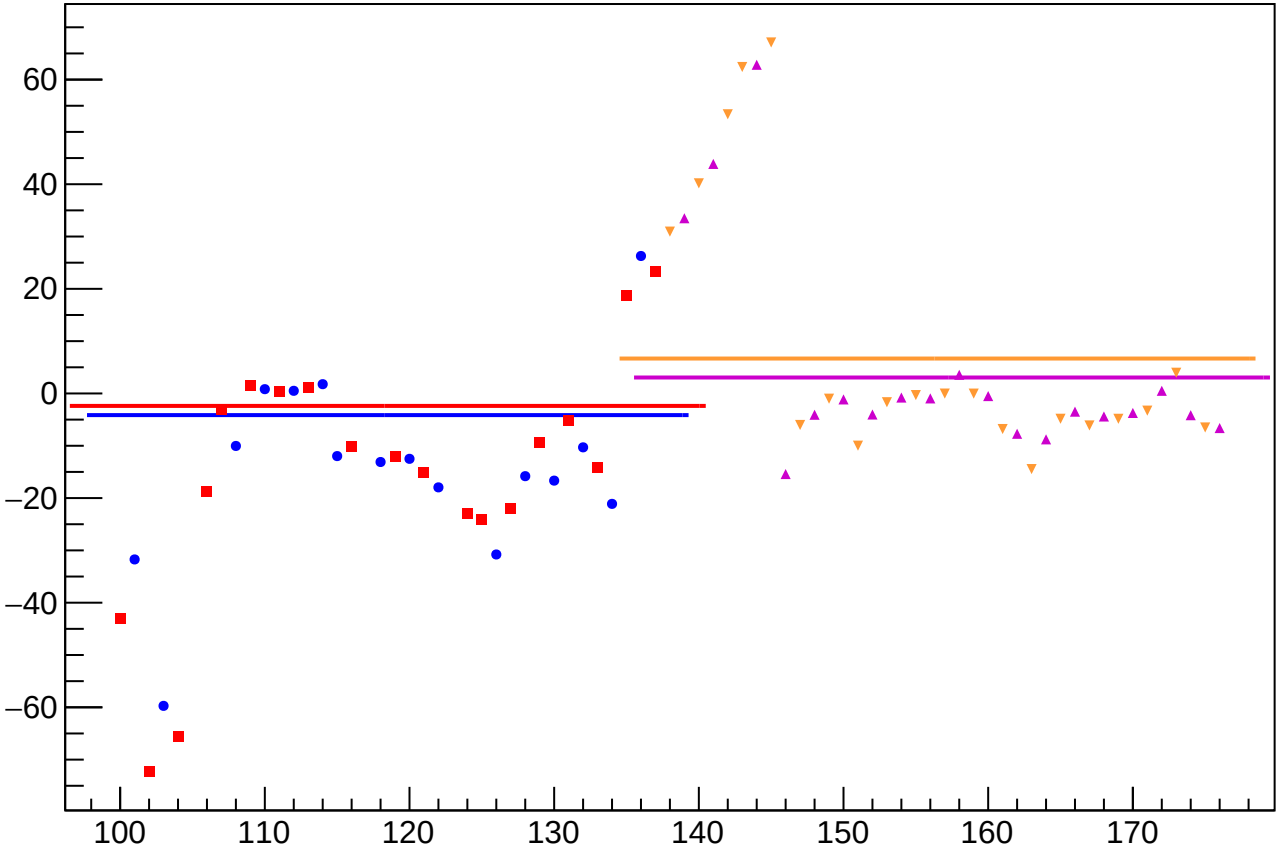
Left In: -0.079+/-0.002 χ^2/NDF:3804.2/18

+ sign -0.140+/-0.002 χ^2/NDF: 16749.0/35

All: -0.114+/-0.001 χ^2/NDF: 36881.8/73

- sign -0.093+/-0.002 χ^2/NDF: 19720.0/37

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 6.675+/-0.053 χ^2/NDF:160075.9/19

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

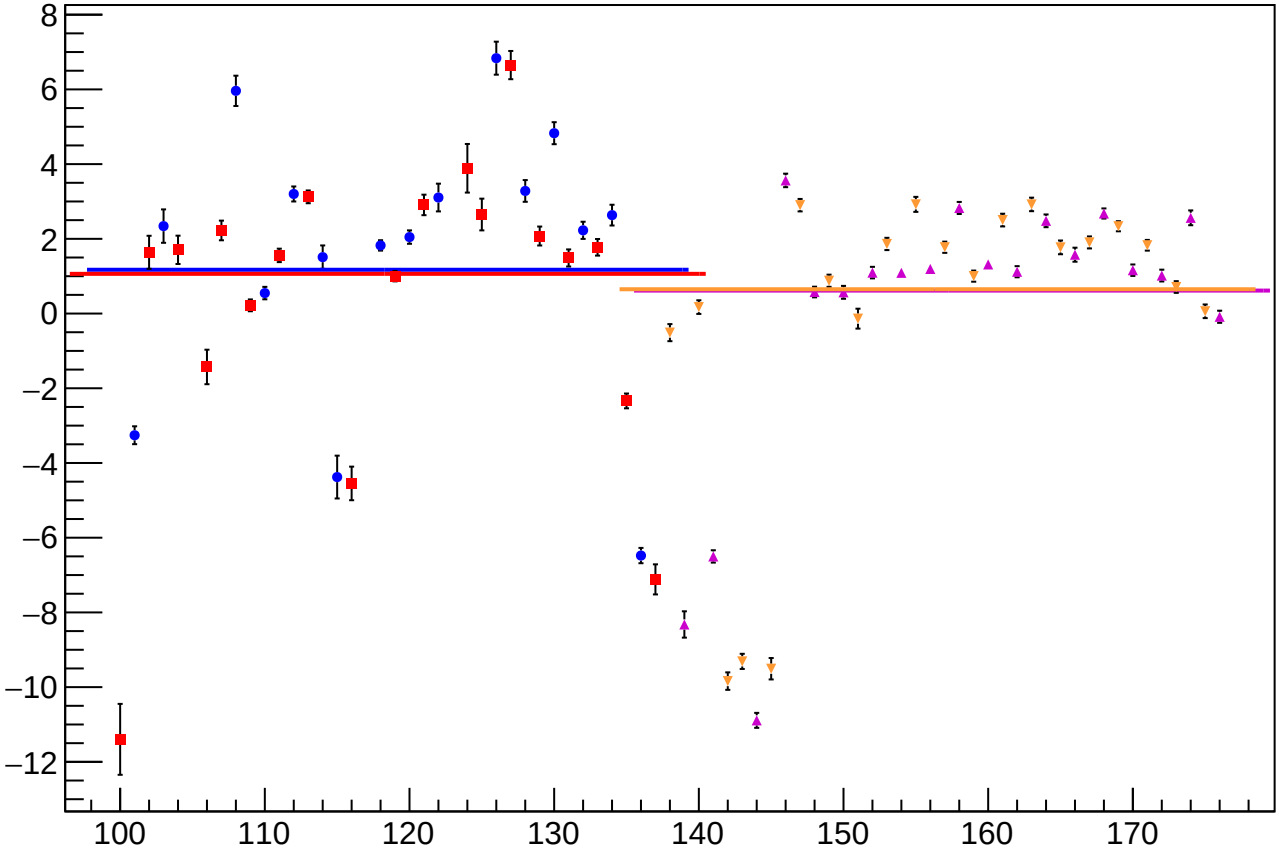
Left In: 3.049+/-0.048 χ^2/NDF:125897.2/18

+ sign 1.391+/-0.038 χ^2/NDF: 255562.8/35

All: 0.726+/-0.025 χ^2/NDF: 469388.2/73

- sign 0.222+/-0.033 χ^2/NDF: 213286.9/37

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.650+/-0.039 χ^2/NDF:6751.0/19

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

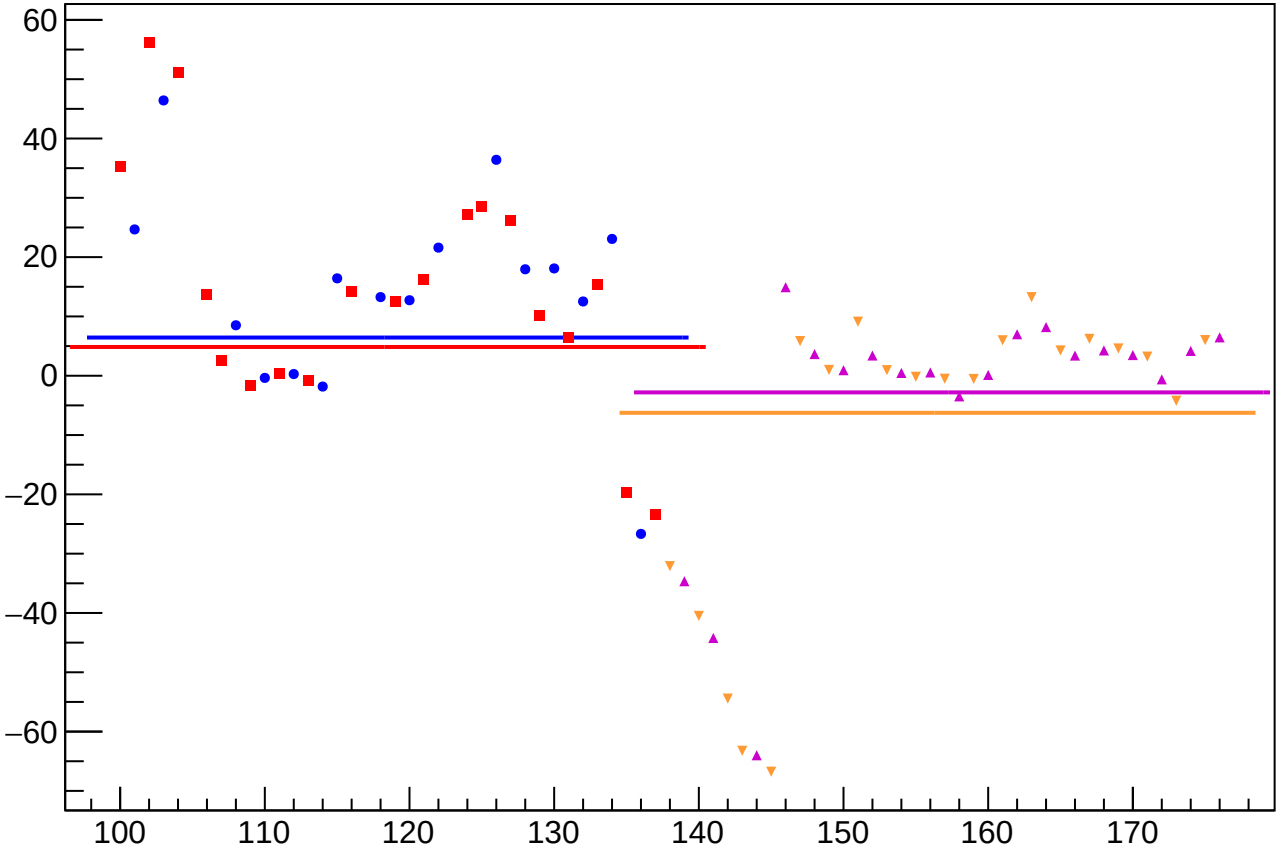
Left In: 0.615+/-0.035 χ^2/NDF:6857.8/18

+ sign 0.806+/-0.033 χ^2/NDF: 9388.3/35

All: 0.769+/-0.022 χ^2/NDF: 17889.8/73

- sign 0.738+/-0.030 χ^2/NDF: 8499.2/37

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -6.251+/-0.052 χ^2/NDF:155032.9/19

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

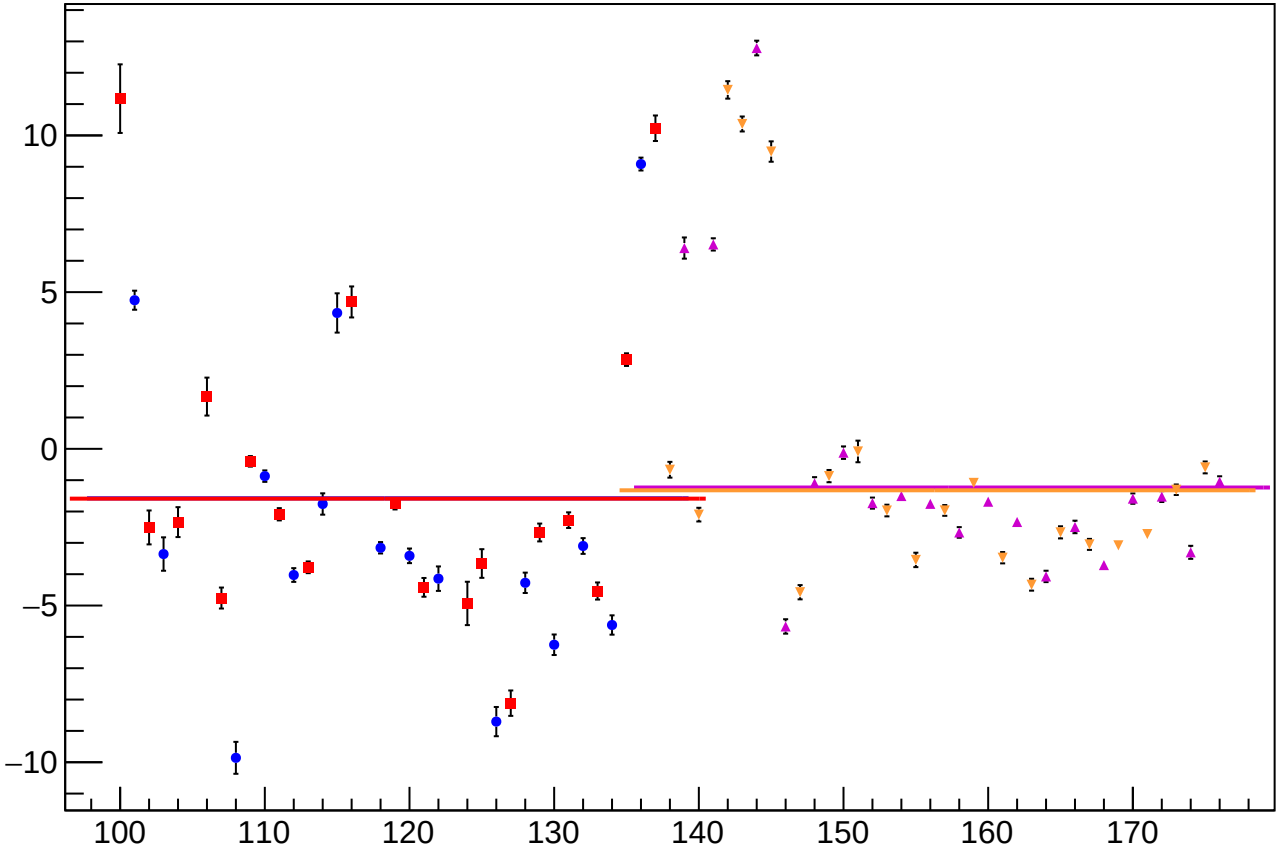
Left In: -2.807+/-0.047 χ^2/NDF:122953.4/18

+ sign -1.247+/-0.041 χ^2/NDF: 248866.9/35

All: -0.477+/-0.027 χ^2/NDF: 458039.2/73

- sign 0.141+/-0.037 χ^2/NDF: 208527.6/37

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.323+/-0.044 χ^2/NDF:6723.2/19

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

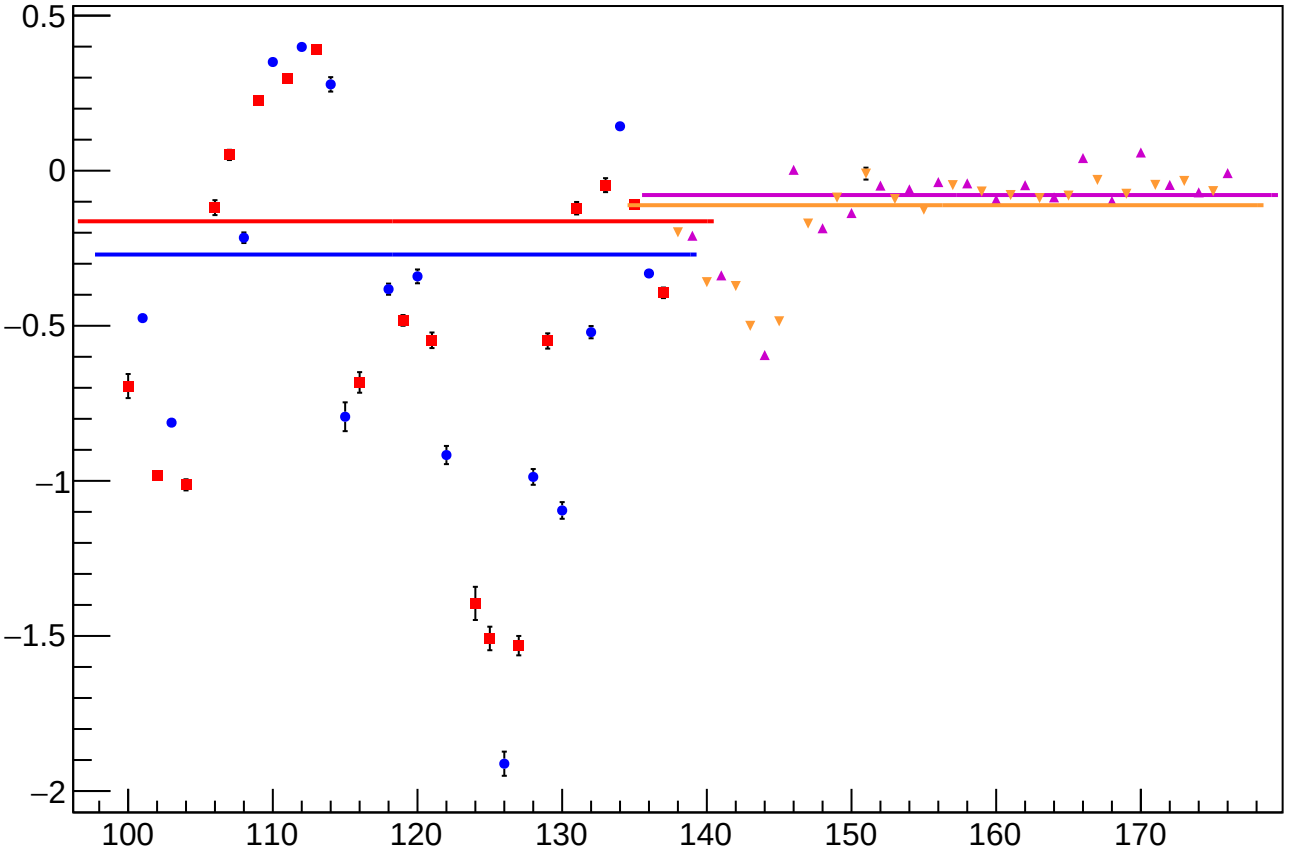
Left In: -1.234+/-0.039 χ^2/NDF:6852.6/18

+ sign -1.397+/-0.037 χ^2/NDF: 11257.2/35

All: -1.361+/-0.025 χ^2/NDF: 20606.0/73

- sign -1.331+/-0.034 χ^2/NDF: 9347.0/37

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.111+/-0.002 χ^2/NDF:3501.5/19

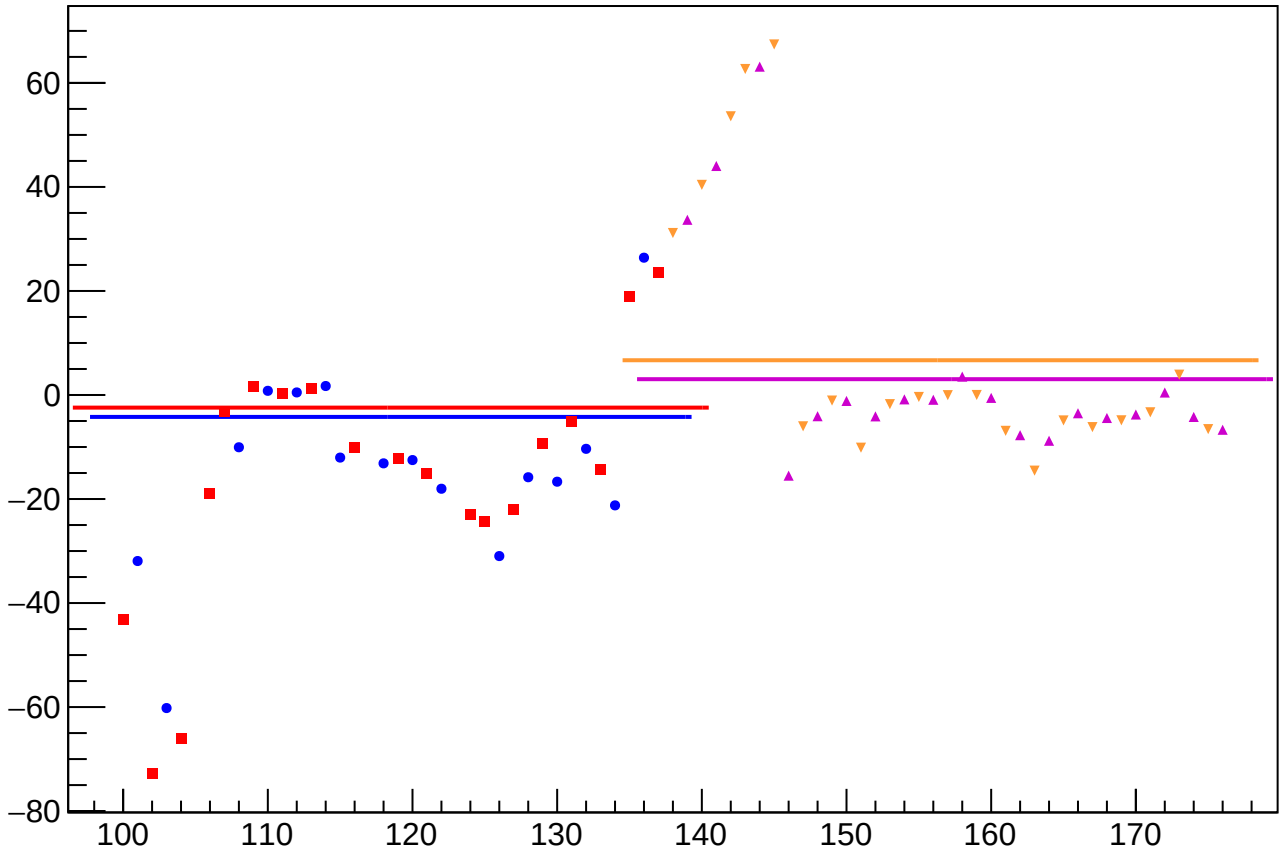
Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.079+/-0.002 χ^2/NDF:3785.2/18

+ sign -0.140+/-0.002 χ^2/NDF: 16752.4/35

All: -0.113+/-0.001 χ^2/NDF: 36887.8/73

- sign -0.092+/-0.002 χ^2/NDF: 19715.3/37



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 6.680+/-0.053 χ^2/NDF:160447.0/19

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

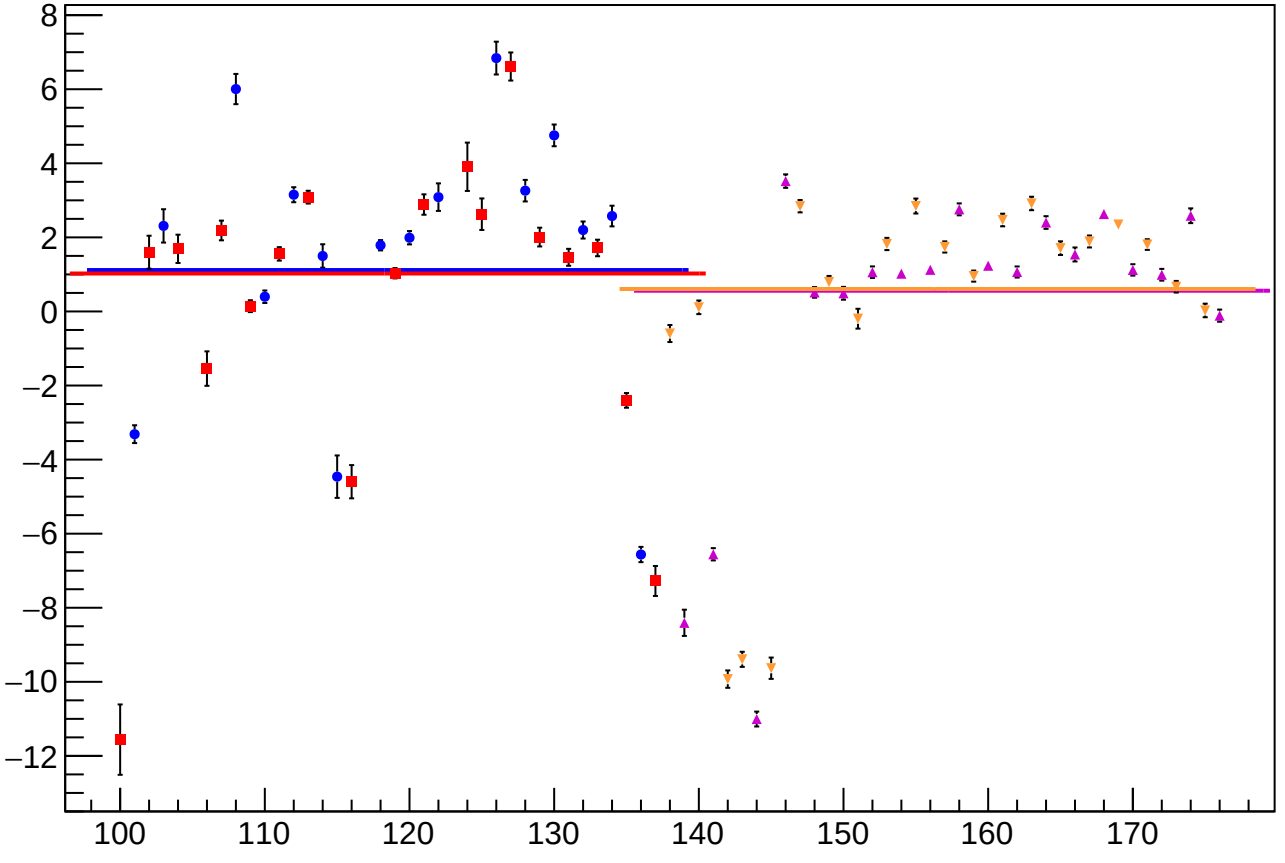
Left In: 3.039+/-0.048 χ^2/NDF:126030.0/18

+ sign 1.370+/-0.038 χ^2/NDF: 255987.7/35

All: 0.706+/-0.025 χ^2/NDF: 470014.5/73

- sign 0.202+/-0.033 χ^2/NDF: 213495.4/37

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.606+/-0.039 χ^2/NDF:6772.5/19

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

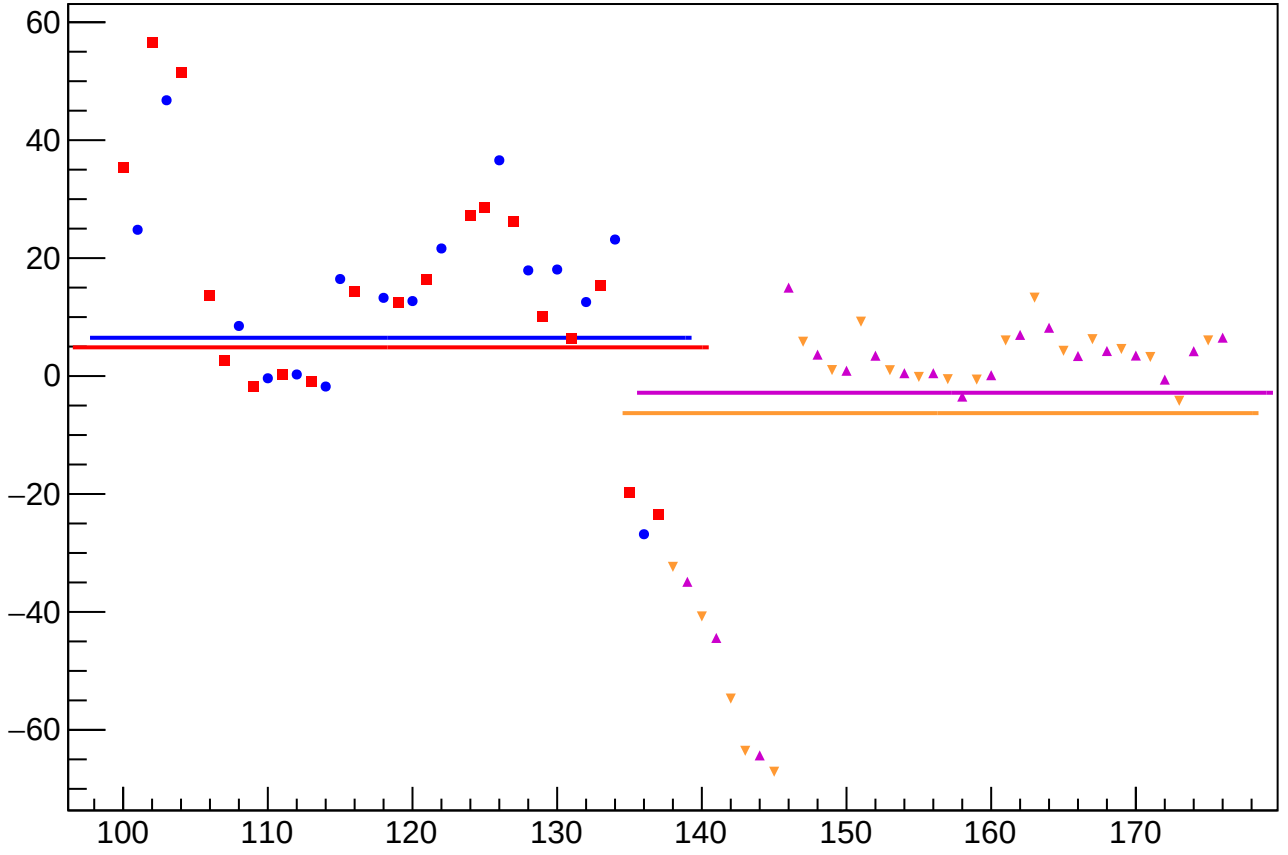
Left In: 0.560+/-0.035 χ^2/NDF:6842.7/18

+ sign 0.759+/-0.033 χ^2/NDF: 9414.6/35

All: 0.720+/-0.022 χ^2/NDF: 17919.7/73

- sign 0.687+/-0.030 χ^2/NDF: 8502.6/37

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -6.287+/-0.053 χ^2/NDF:155408.7/19

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

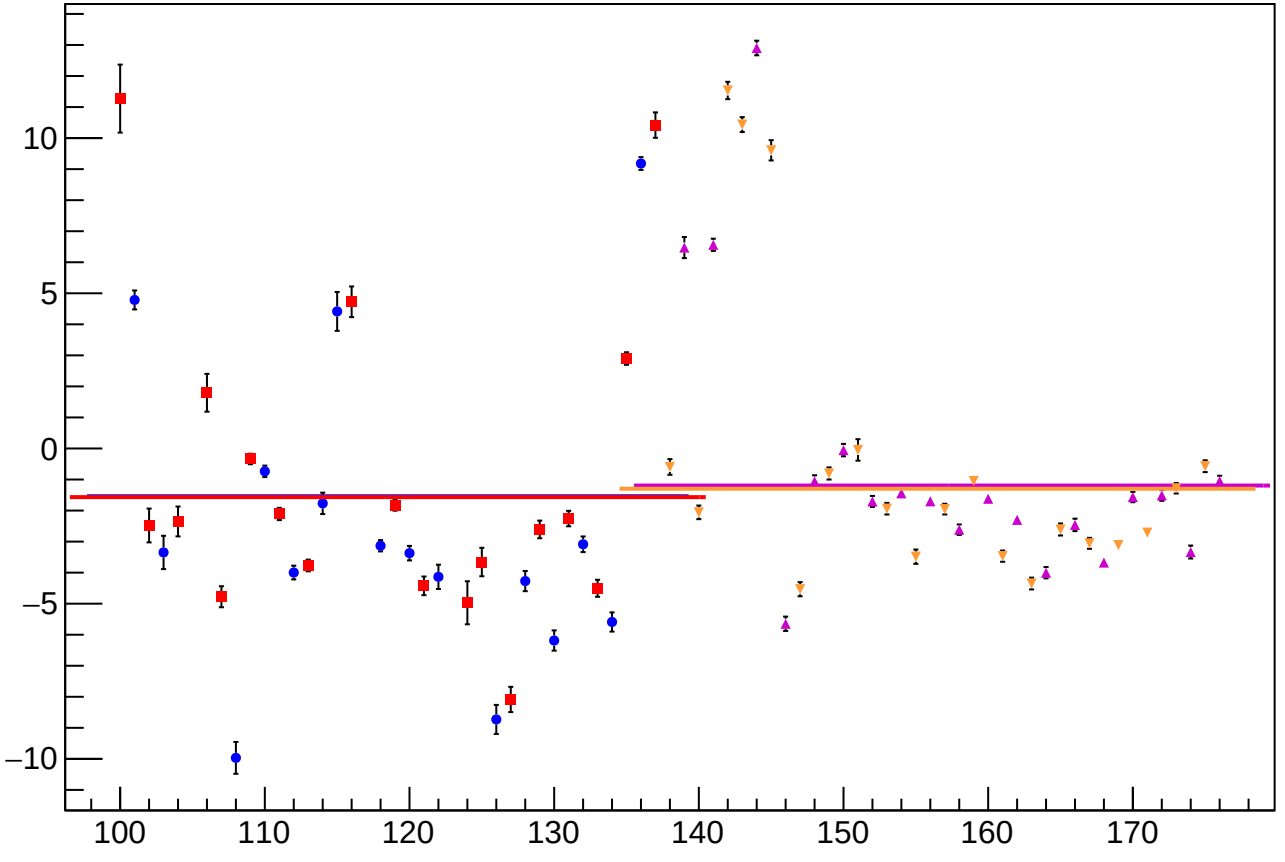
Left In: -2.832+/-0.047 χ^2/NDF:123098.7/18

+ sign -1.260+/-0.041 χ^2/NDF: 249317.9/35

All: -0.492+/-0.027 χ^2/NDF: 458743.2/73

- sign 0.124+/-0.037 χ^2/NDF: 208790.9/37

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.296+/-0.044 χ^2/NDF:6747.9/19

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

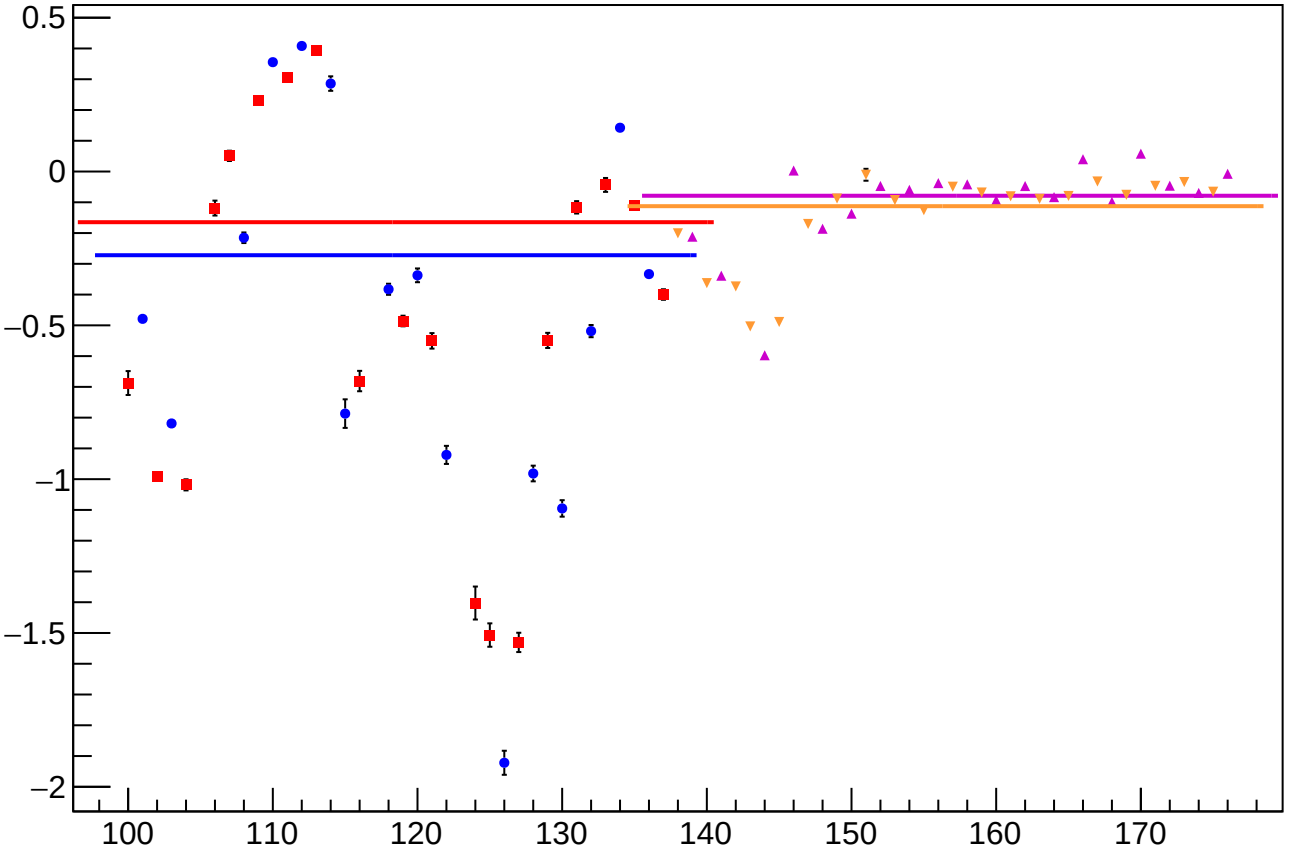
Left In: -1.194+/-0.040 χ^2/NDF:6843.1/18

+ sign -1.366+/-0.037 χ^2/NDF: 11292.6/35

All: -1.328+/-0.025 χ^2/NDF: 20658.9/73

- sign -1.296+/-0.034 χ^2/NDF: 9364.4/37

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.113+/-0.002 χ^2/NDF:3502.7/19

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

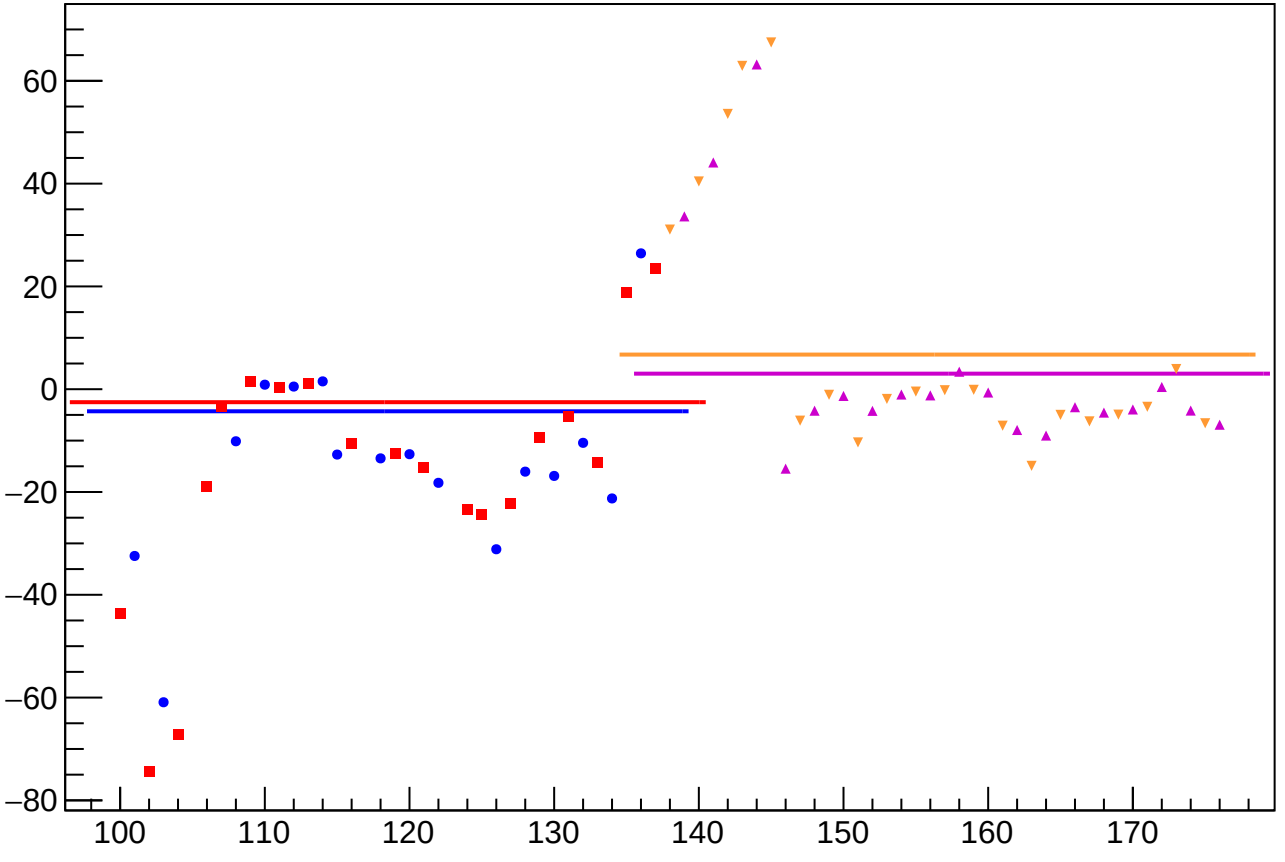
Left In: -0.079+/-0.002 χ^2/NDF:3782.8/18

+ sign -0.141+/-0.002 χ^2/NDF: 16773.7/35

All: -0.114+/-0.001 χ^2/NDF: 36909.4/73

- sign -0.093+/-0.002 χ^2/NDF: 19702.0/37

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 6.738+/-0.054 χ^2/NDF:158113.5/19

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

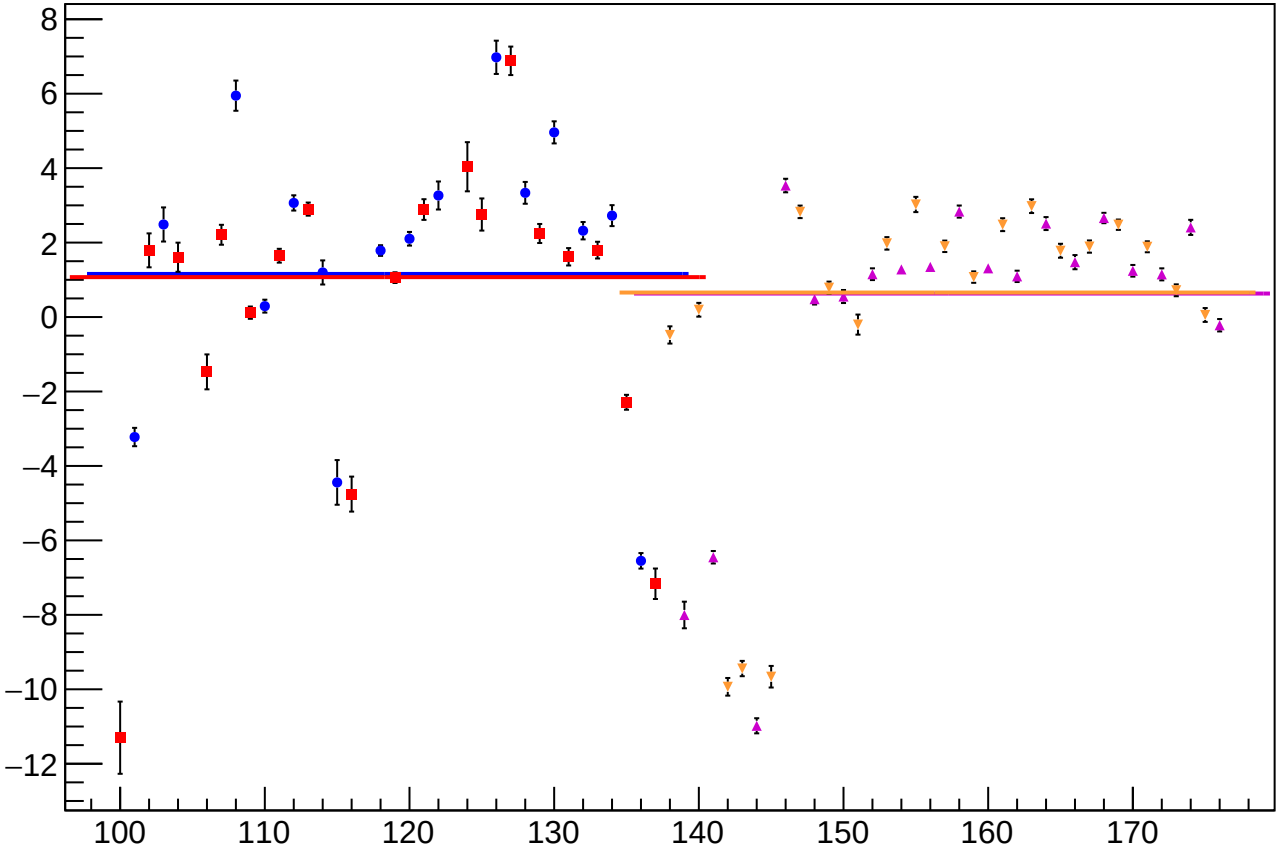
Left In: 3.026+/-0.049 χ^2/NDF:124070.5/18

+ sign 1.374+/-0.039 χ^2/NDF: 252472.4/35

All: 0.682+/-0.026 χ^2/NDF: 463647.9/73

- sign 0.152+/-0.034 χ^2/NDF: 210615.2/37

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.658+/-0.040 χ^2/NDF:6754.7/19

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

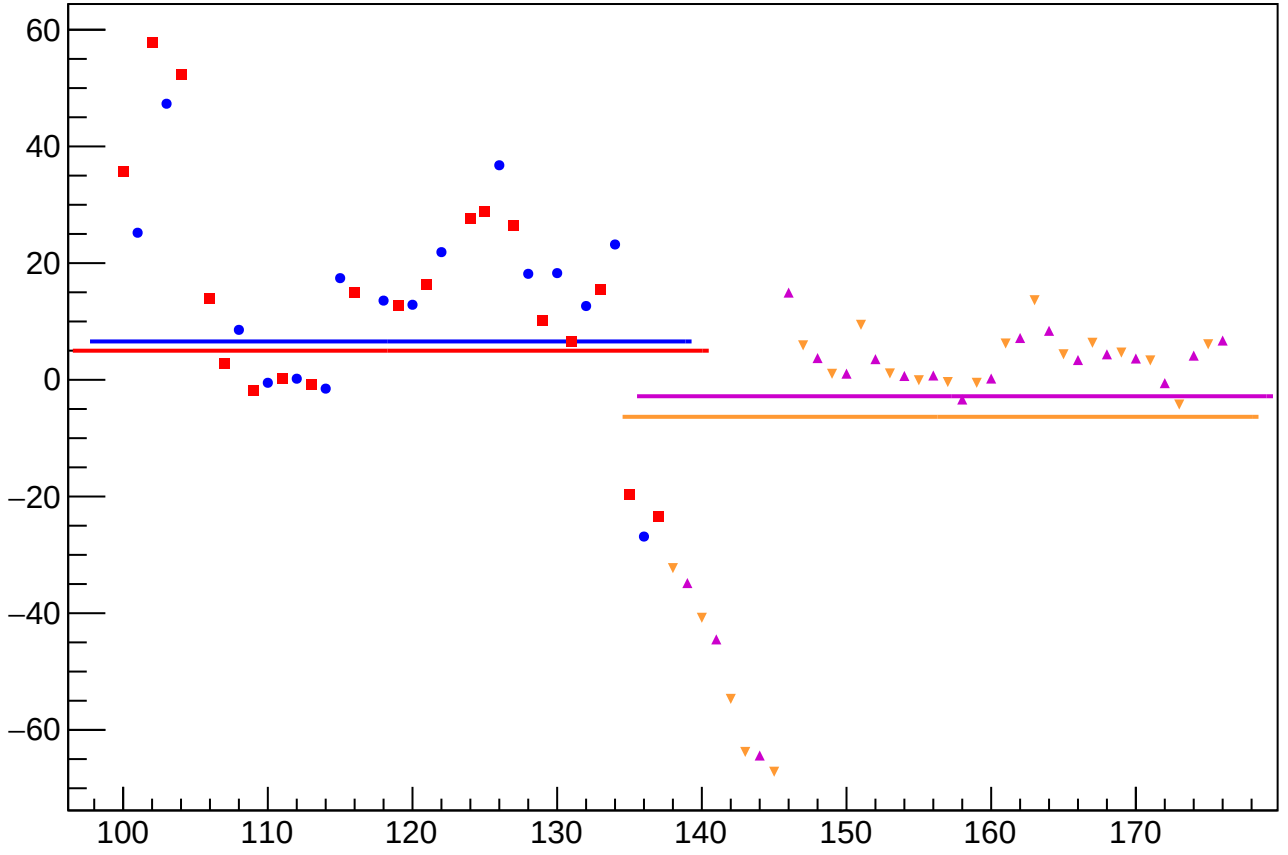
Left In: 0.631+/-0.036 χ^2/NDF:6668.4/18

+ sign 0.807+/-0.034 χ^2/NDF: 9350.9/35

All: 0.777+/-0.023 χ^2/NDF: 17613.6/73

- sign 0.752+/-0.031 χ^2/NDF: 8261.3/37

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -6.339+/-0.053 χ^2/NDF:153143.7/19

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

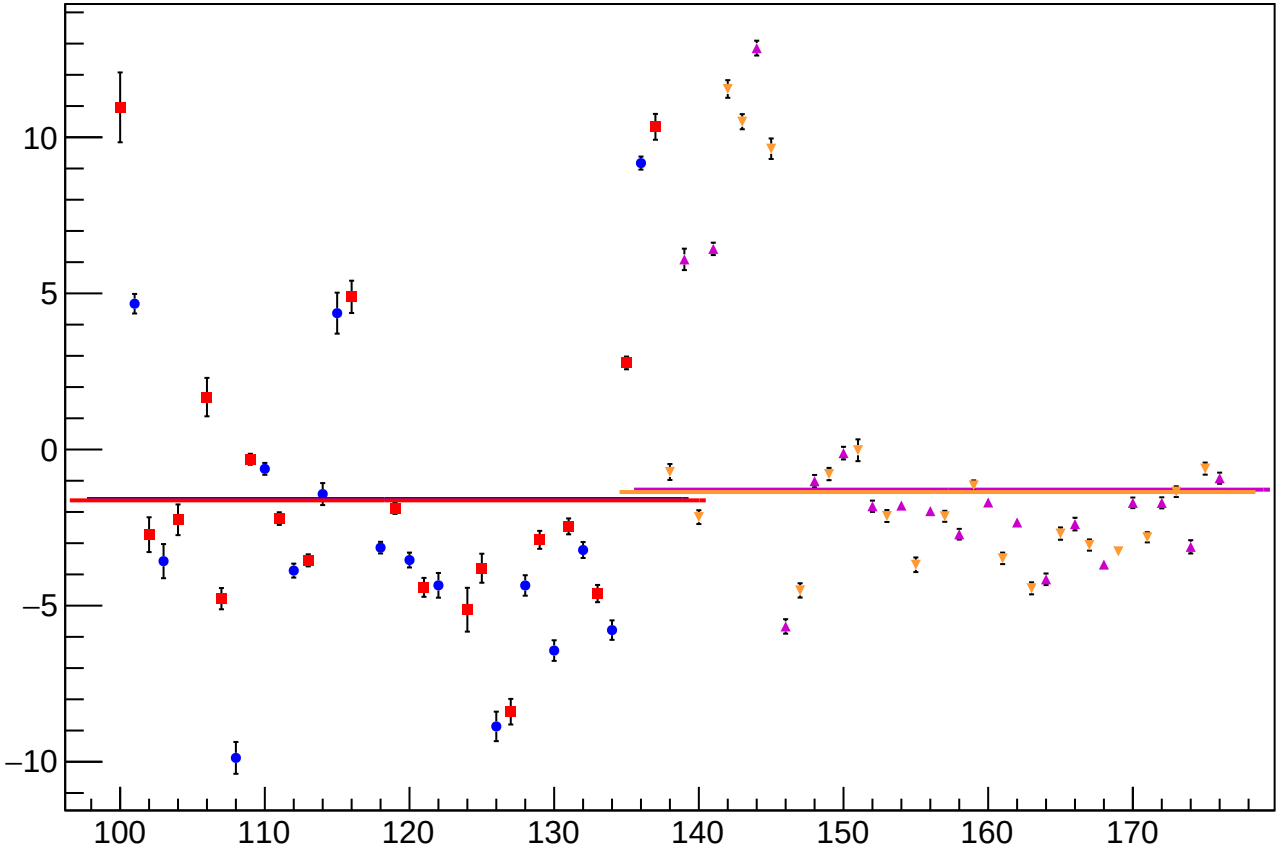
Left In: -2.814+/-0.048 χ^2/NDF:121169.3/18

+ sign -1.268+/-0.042 χ^2/NDF: 245864.7/35

All: -0.466+/-0.028 χ^2/NDF: 452450.5/73

- sign 0.183+/-0.037 χ^2/NDF: 205914.3/37

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.362+/-0.045 χ^2/NDF:6726.6/19

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

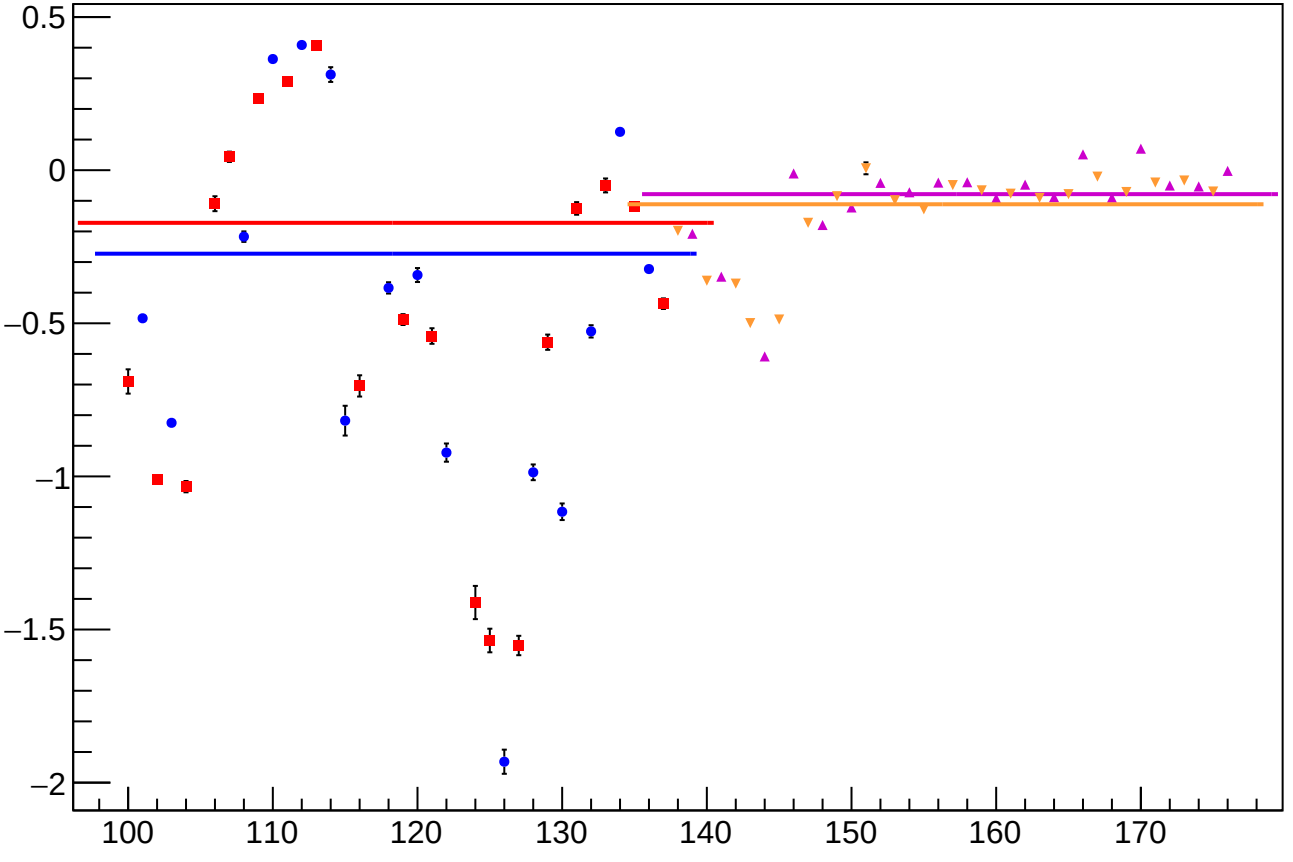
Left In: -1.285+/-0.040 χ^2/NDF:6646.8/18

+ sign -1.426+/-0.038 χ^2/NDF: 11206.3/35

All: -1.400+/-0.025 χ^2/NDF: 20295.9/73

- sign -1.379+/-0.034 χ^2/NDF: 9088.7/37

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.111+/-0.002 χ^2/NDF:3451.3/19

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

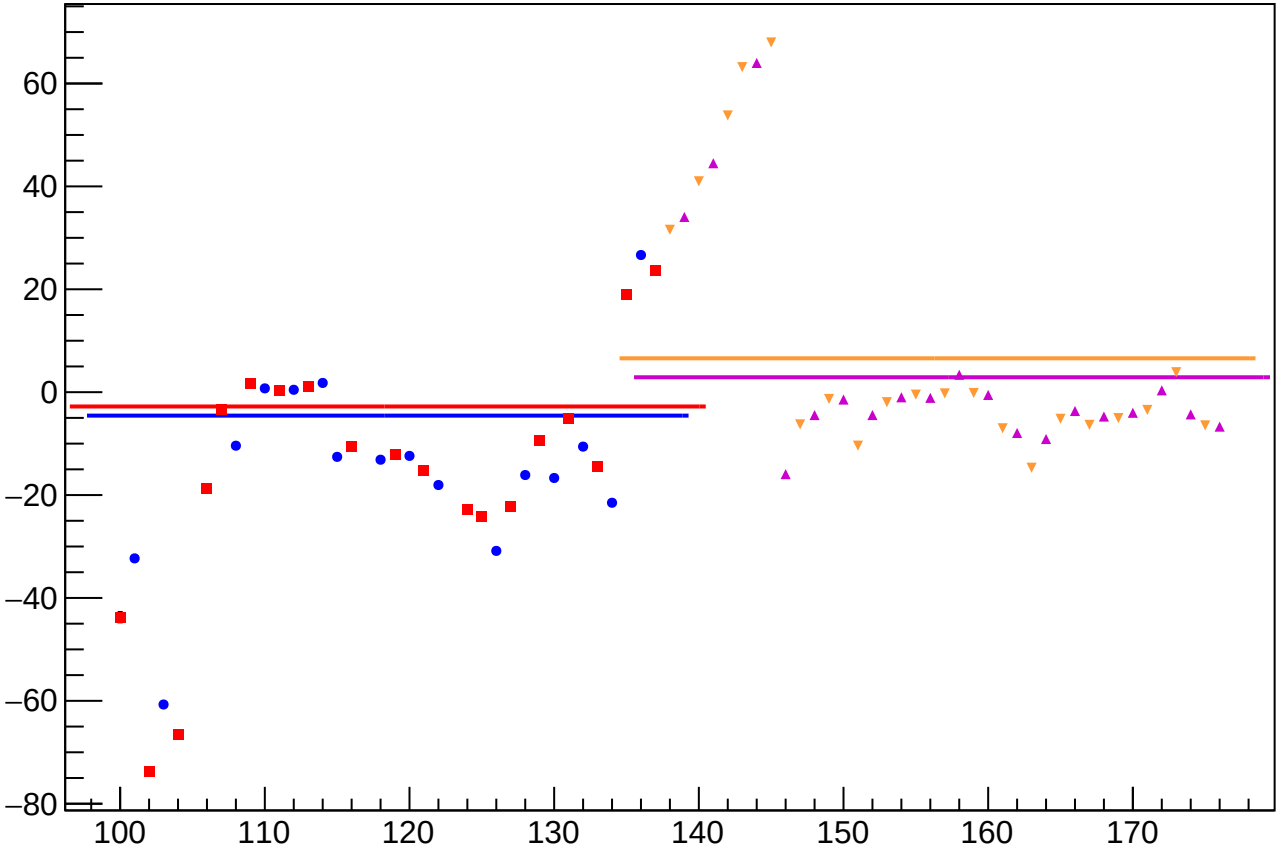
Left In: -0.078+/-0.002 χ^2/NDF:3857.2/18

+ sign -0.140+/-0.002 χ^2/NDF: 16506.9/35

All: -0.114+/-0.001 χ^2/NDF: 36565.2/73

- sign -0.094+/-0.002 χ^2/NDF: 19670.8/37

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 6.583+/-0.055 χ^2/NDF:156006.7/19

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

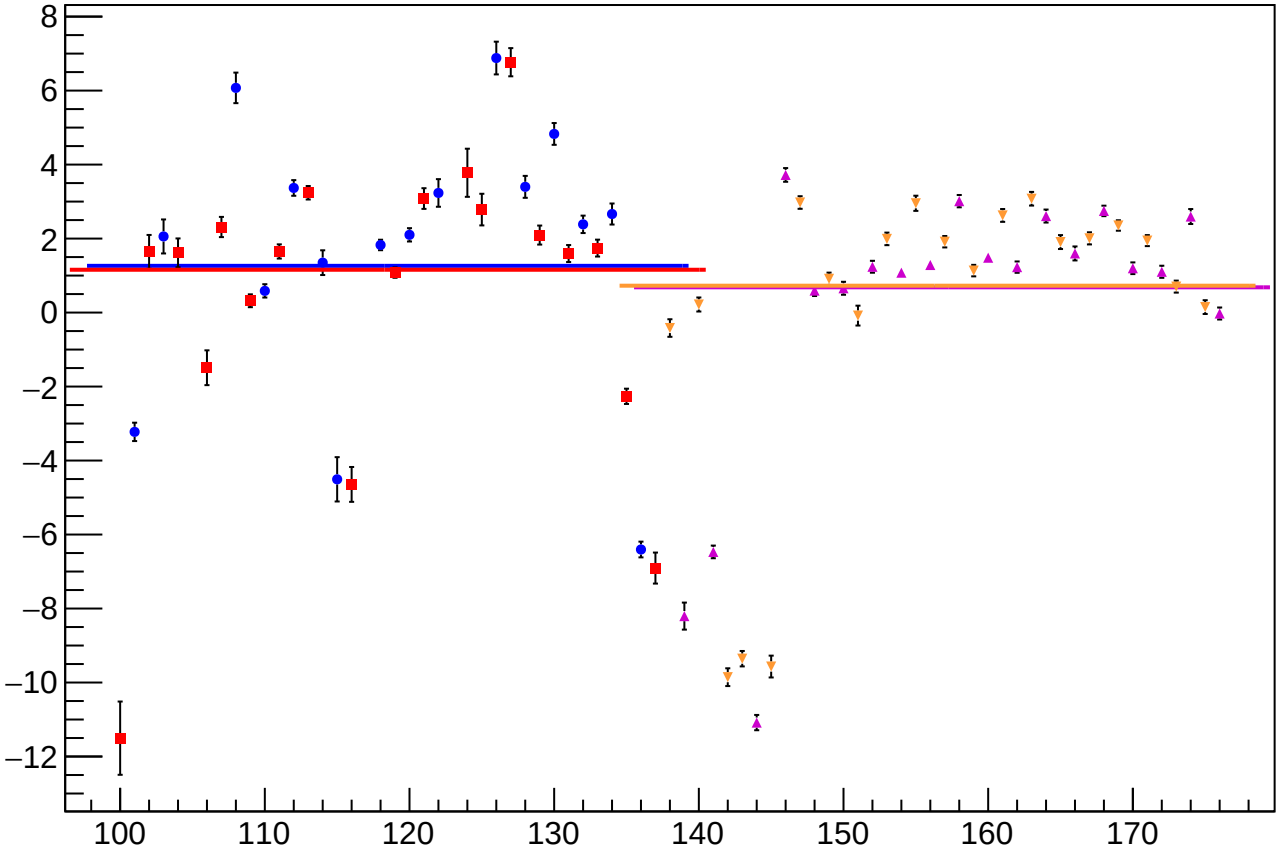
Left In: 2.898+/-0.049 χ^2/NDF:122809.1/18

+ sign 1.220+/-0.039 χ^2/NDF: 248590.4/35

All: 0.535+/-0.026 χ^2/NDF: 456564.0/73

- sign 0.006+/-0.035 χ^2/NDF: 207437.9/37

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.726+/-0.040 χ^2/NDF:6540.5/19

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

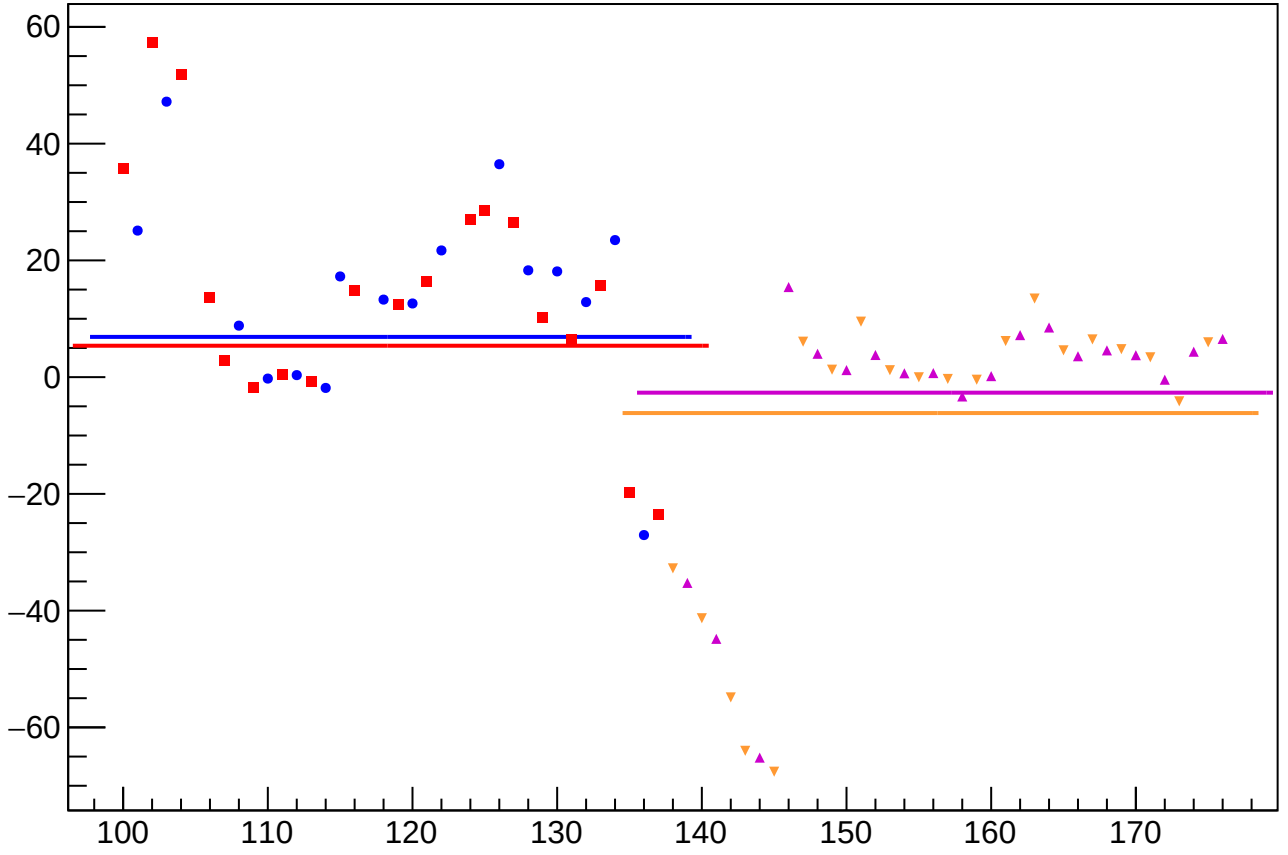
Left In: 0.682+/-0.036 χ^2/NDF:6627.5/18

+ sign 0.886+/-0.034 χ^2/NDF: 9036.9/35

All: 0.846+/-0.023 χ^2/NDF: 17204.4/73

- sign 0.813+/-0.031 χ^2/NDF: 8164.9/37

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -6.152+/-0.054 χ^2/NDF:150984.6/19

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

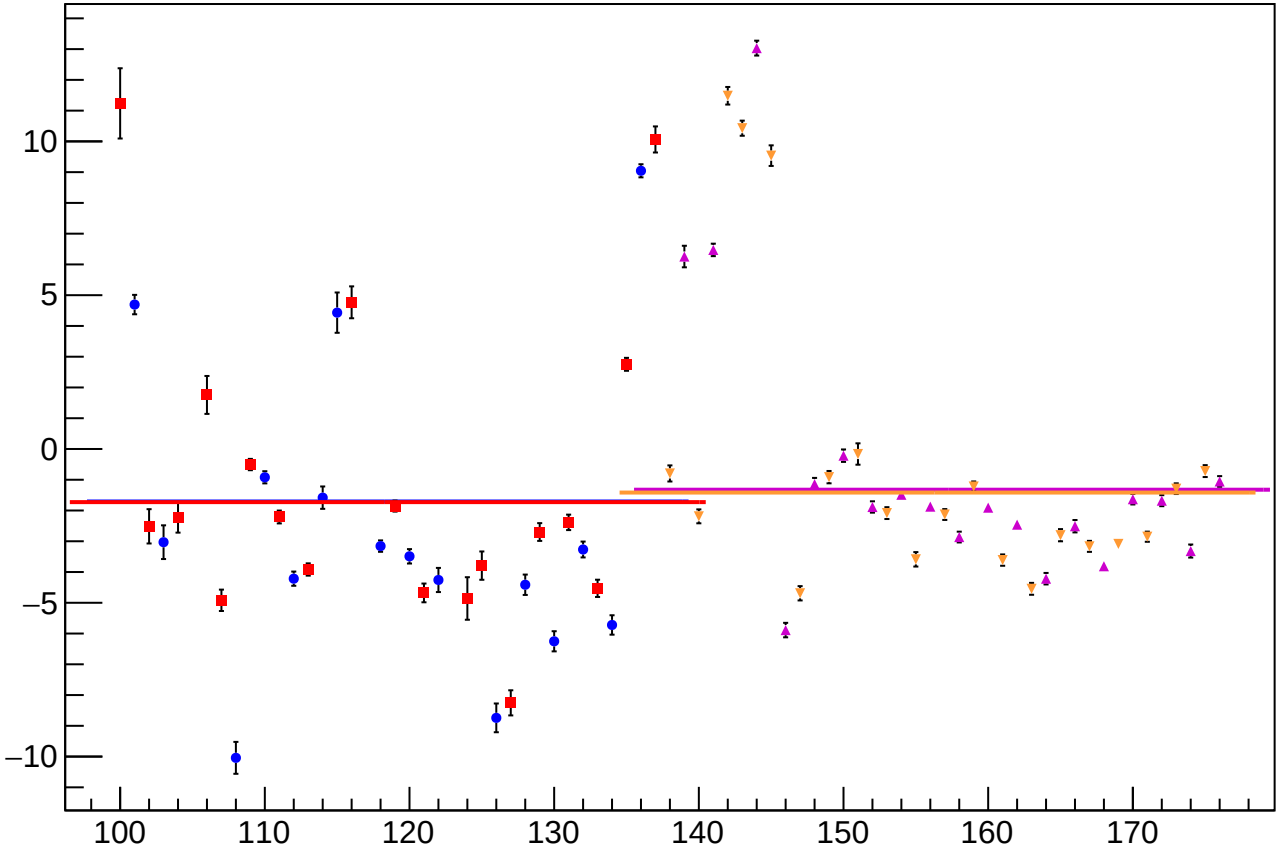
Left In: -2.660+/-0.048 χ^2/NDF:119881.9/18

+ sign -1.063+/-0.042 χ^2/NDF: 241911.0/35

All: -0.264+/-0.028 χ^2/NDF: 445231.3/73

- sign 0.387+/-0.038 χ^2/NDF: 202666.5/37

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.416+/-0.045 χ^2/NDF:6524.3/19

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

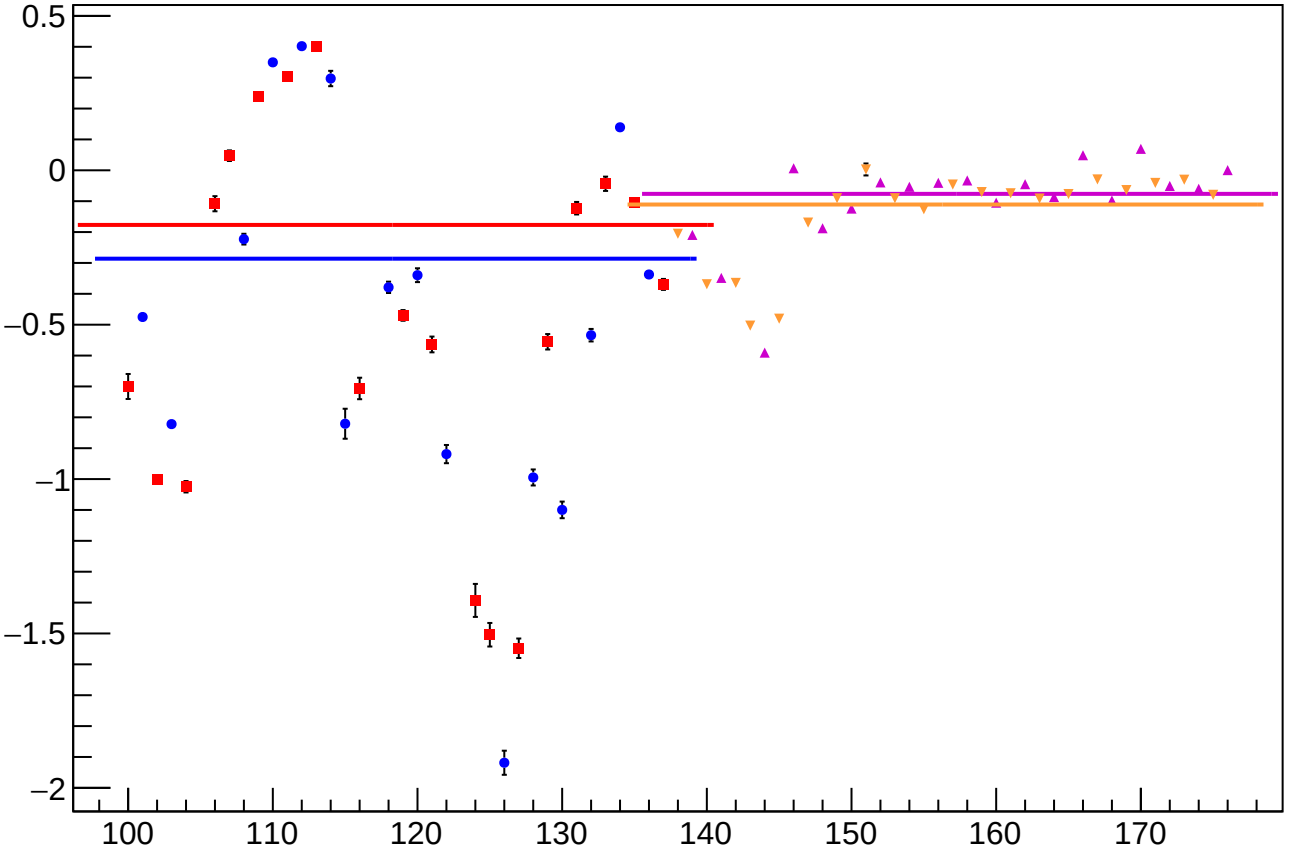
Left In: -1.324+/-0.041 χ^2/NDF:6644.8/18

+ sign -1.500+/-0.038 χ^2/NDF: 10825.9/35

All: -1.464+/-0.026 χ^2/NDF: 19808.4/73

- sign -1.434+/-0.035 χ^2/NDF: 8980.9/37

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.111+/-0.002 χ^2/NDF:3377.1/19

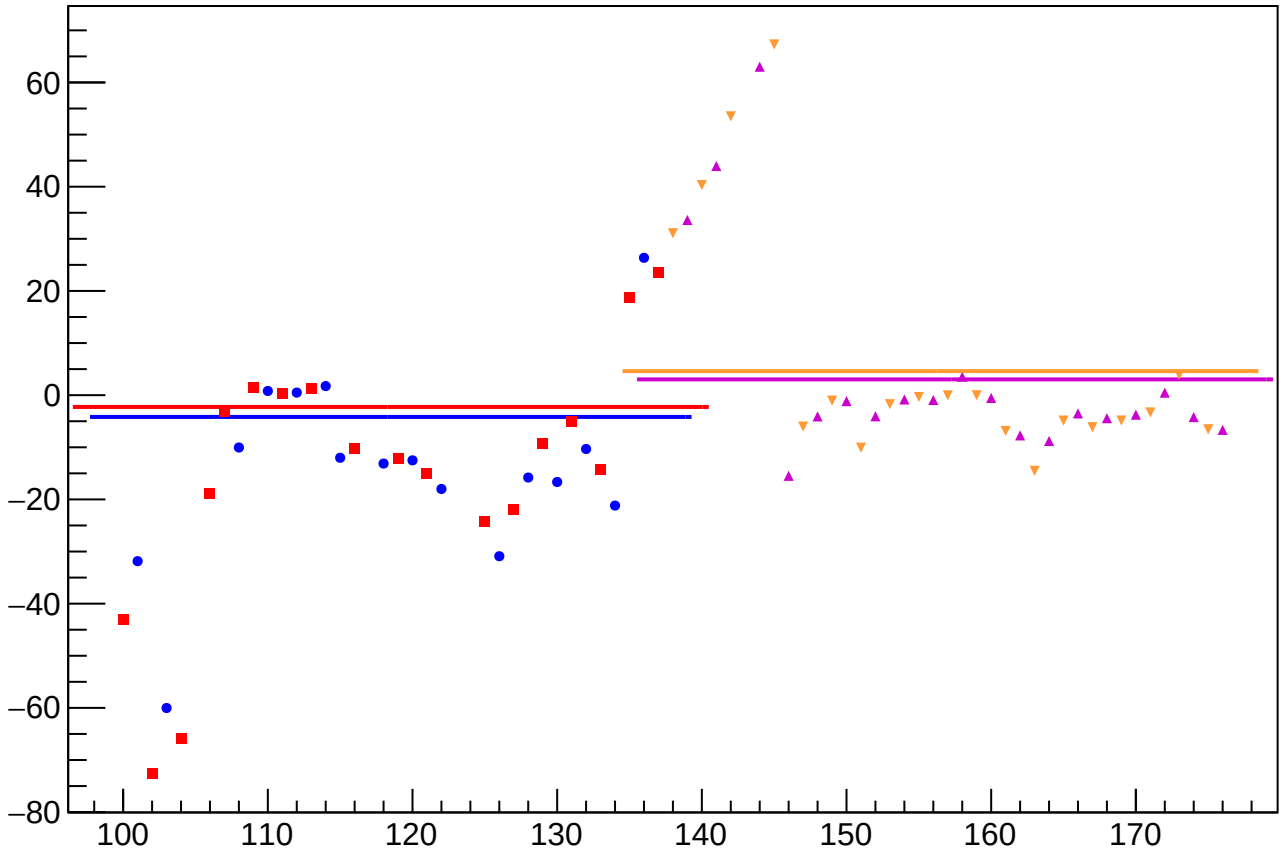
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.076+/-0.002 χ^2/NDF:3729.4/18

+ sign -0.142+/-0.002 χ^2/NDF: 16118.5/35

All: -0.114+/-0.001 χ^2/NDF: 35587.7/73

- sign -0.092+/-0.002 χ^2/NDF: 19041.7/37



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 4.618+/-0.054 χ^2/NDF:120136.0/18

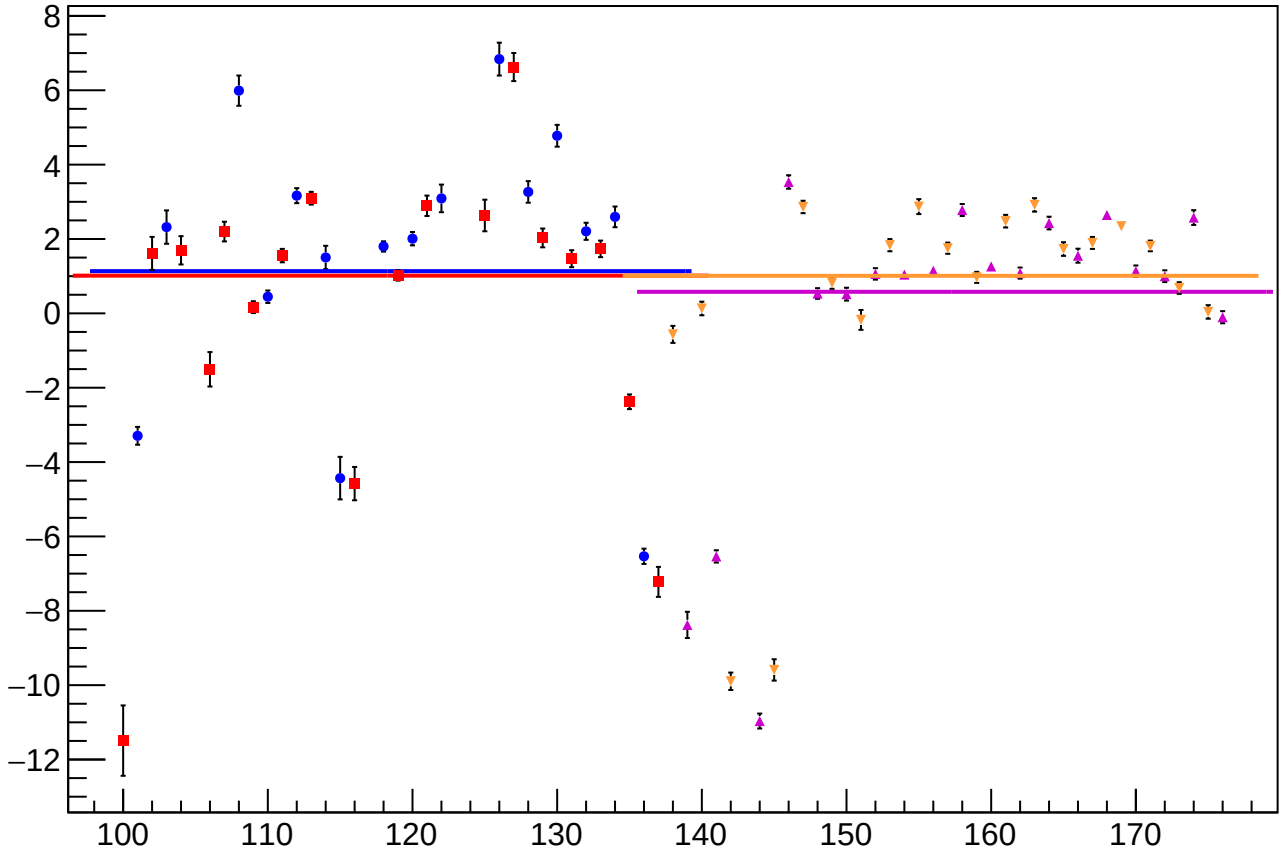
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 3.030+/-0.048 χ^2/NDF:126270.9/18

+ sign 0.247+/-0.038 χ^2/NDF: 208636.6/34

All: 0.269+/-0.025 χ^2/NDF: 420890.8/71

- sign 0.286+/-0.033 χ^2/NDF: 212253.5/36



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 1.010+/-0.040 χ^2/NDF:4267.2/18

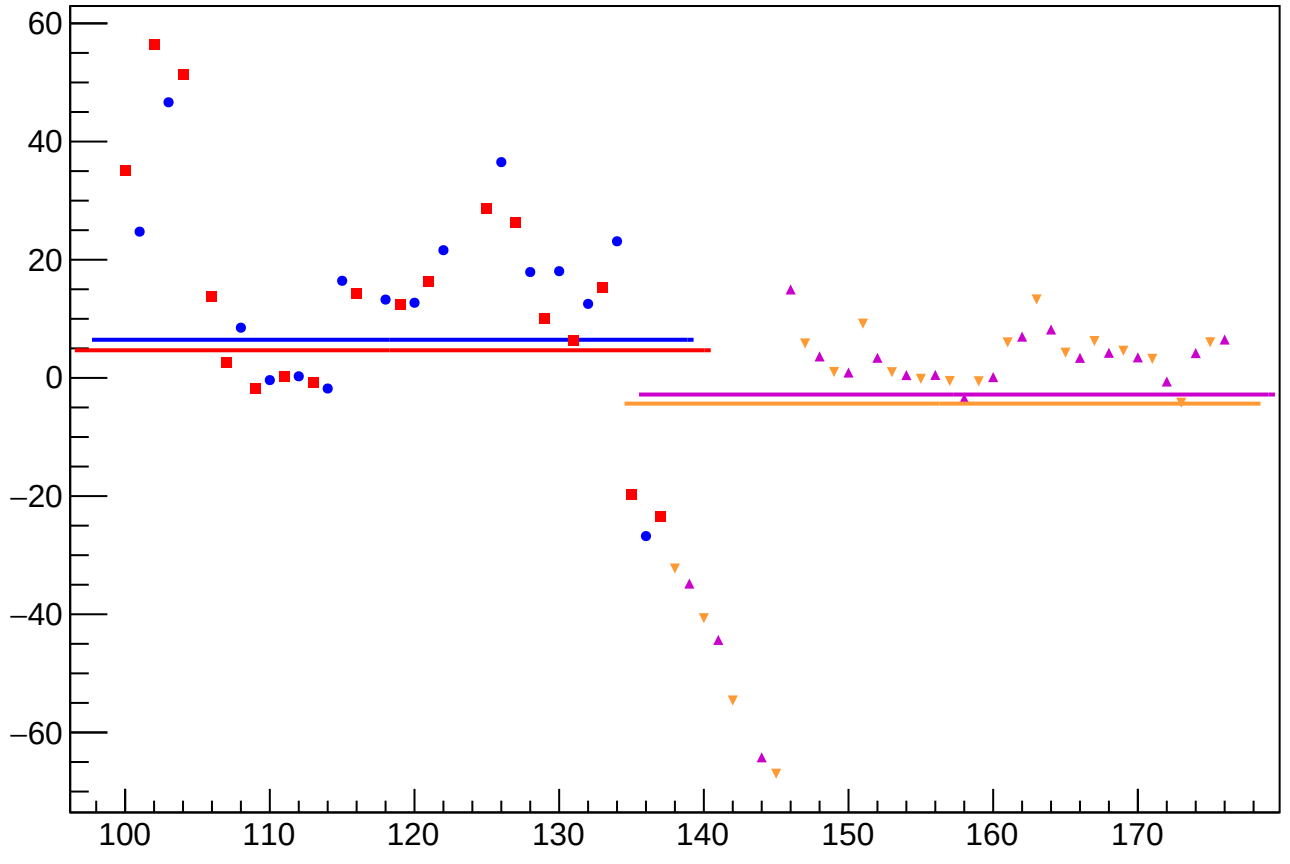
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.579+/-0.035 χ^2/NDF:6862.4/18

+ sign 1.048+/-0.033 χ^2/NDF: 6865.9/34

All: 0.854+/-0.022 χ^2/NDF: 15424.3/71

- sign 0.698+/-0.030 χ^2/NDF: 8497.4/36



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -4.350+/-0.053 χ^2/NDF:115676.6/18

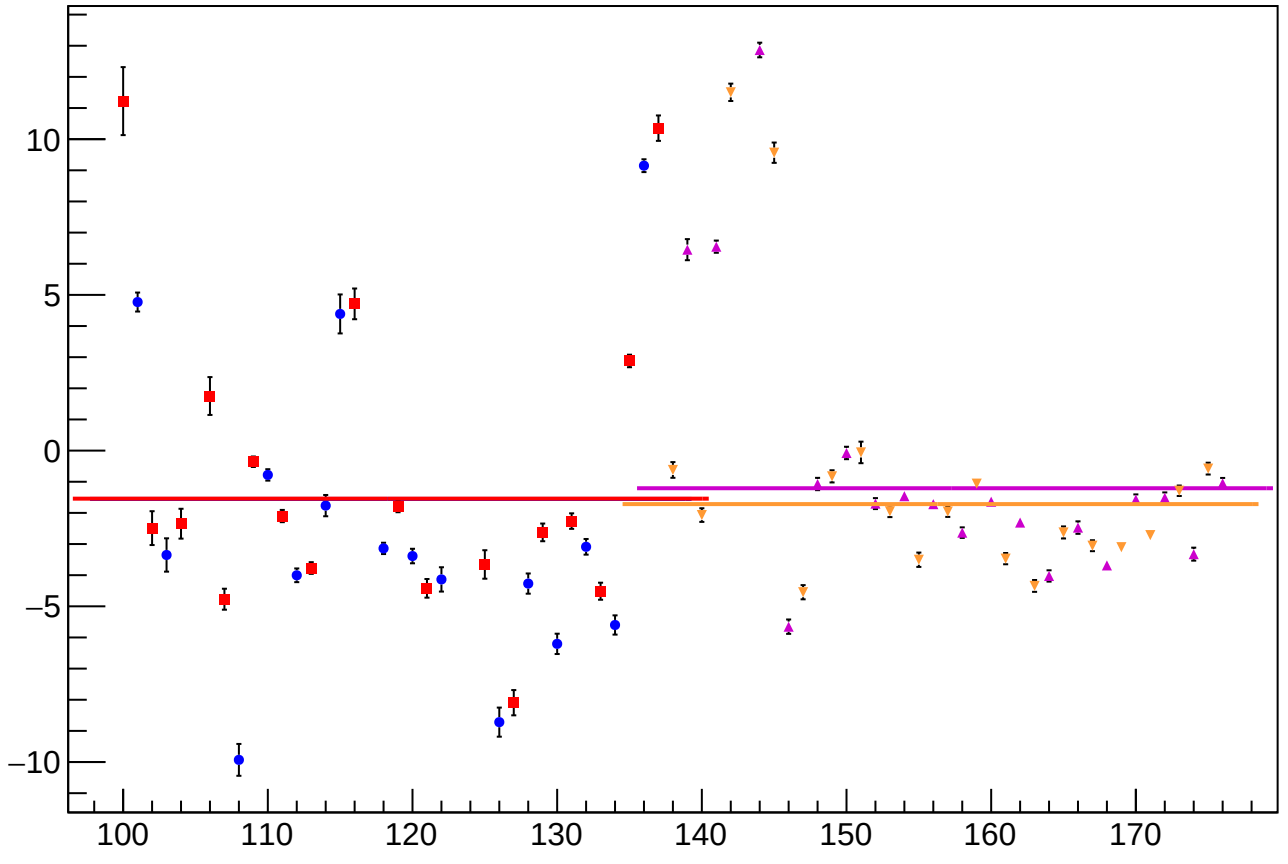
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -2.812+/-0.047 χ^2/NDF:123325.7/18

+ sign -0.008+/-0.041 χ^2/NDF: 203028.9/34

All: 0.028+/-0.027 χ^2/NDF: 410682.5/71

- sign 0.056+/-0.037 χ^2/NDF: 207652.3/36



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.718+/-0.045 χ^2/NDF:4271.2/18

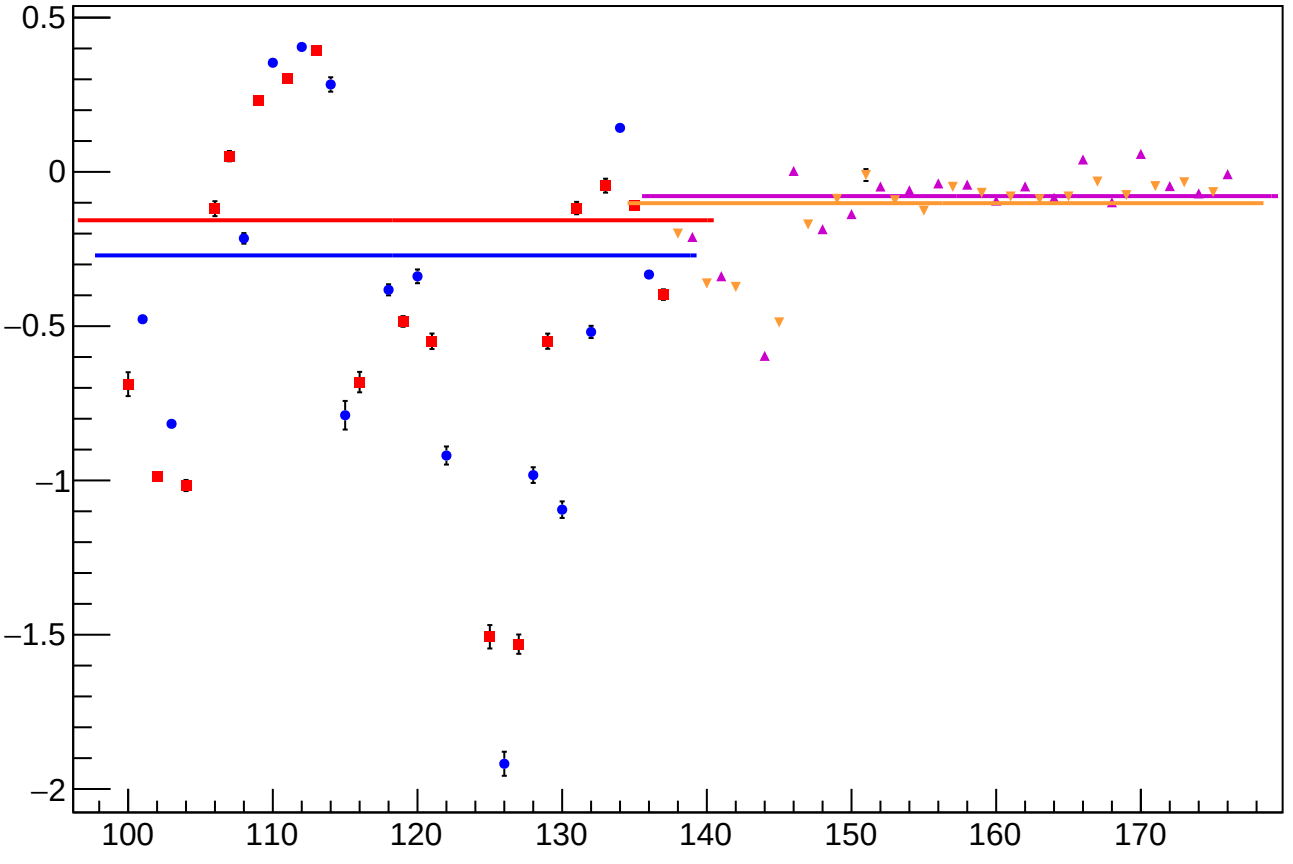
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.208+/-0.039 χ^2/NDF:6860.7/18

+ sign -1.669+/-0.038 χ^2/NDF: 8818.8/34

All: -1.463+/-0.025 χ^2/NDF: 18225.6/71

- sign -1.299+/-0.034 χ^2/NDF: 9353.3/36



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.101+/-0.002 χ^2/NDF:2393.9/18

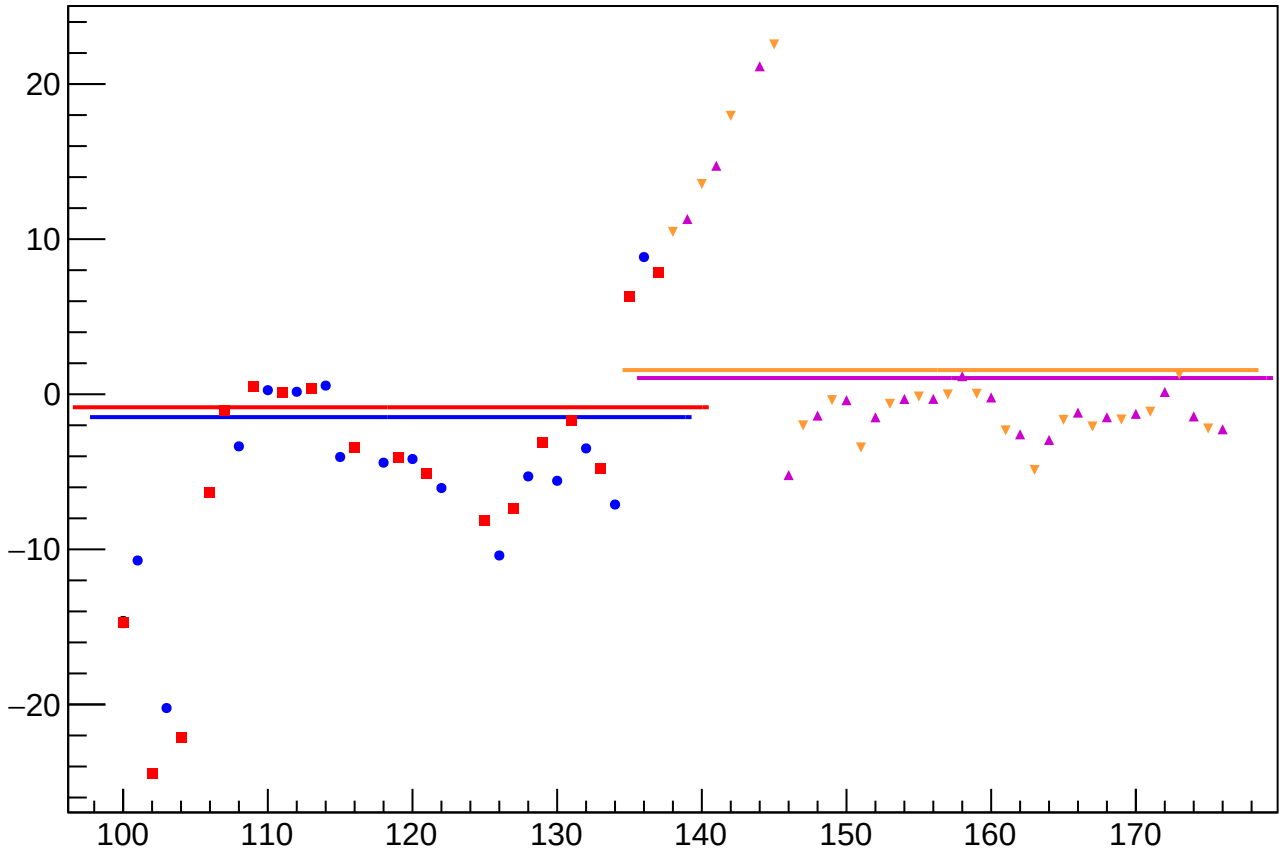
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.079+/-0.002 χ^2/NDF:3792.1/18

+ sign -0.132+/-0.002 χ^2/NDF: 15855.2/34

All: -0.109+/-0.001 χ^2/NDF: 35335.0/71

- sign -0.091+/-0.002 χ^2/NDF: 19168.2/36



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 1.560+/-0.018 χ^2/NDF:118116.0/18

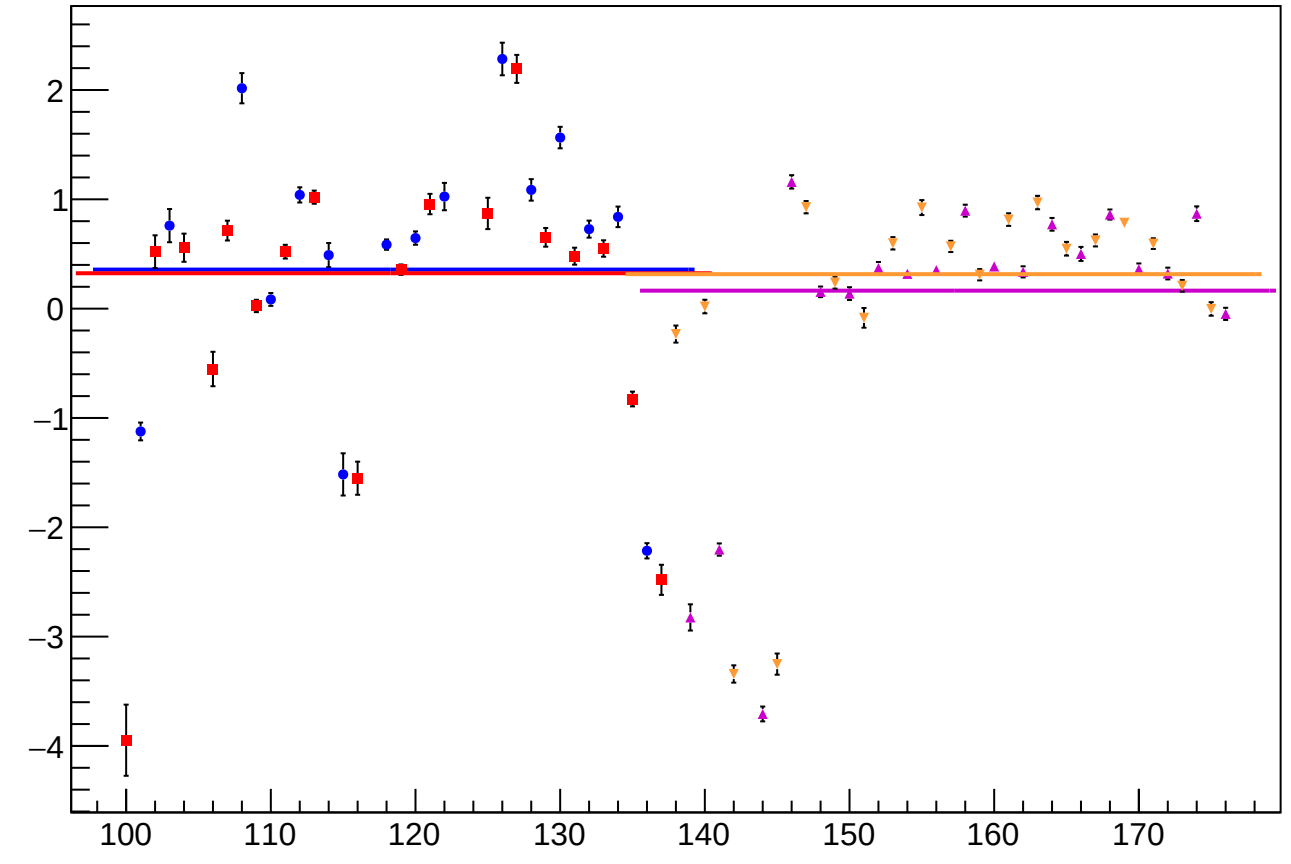
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 1.045+/-0.016 χ^2/NDF:123694.5/18

+ sign 0.066+/-0.013 χ^2/NDF: 205142.6/34

All: 0.075+/-0.009 χ^2/NDF: 413599.3/71

- sign 0.082+/-0.011 χ^2/NDF: 208455.8/36



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.315+/-0.014 χ^2/NDF:4223.7/18

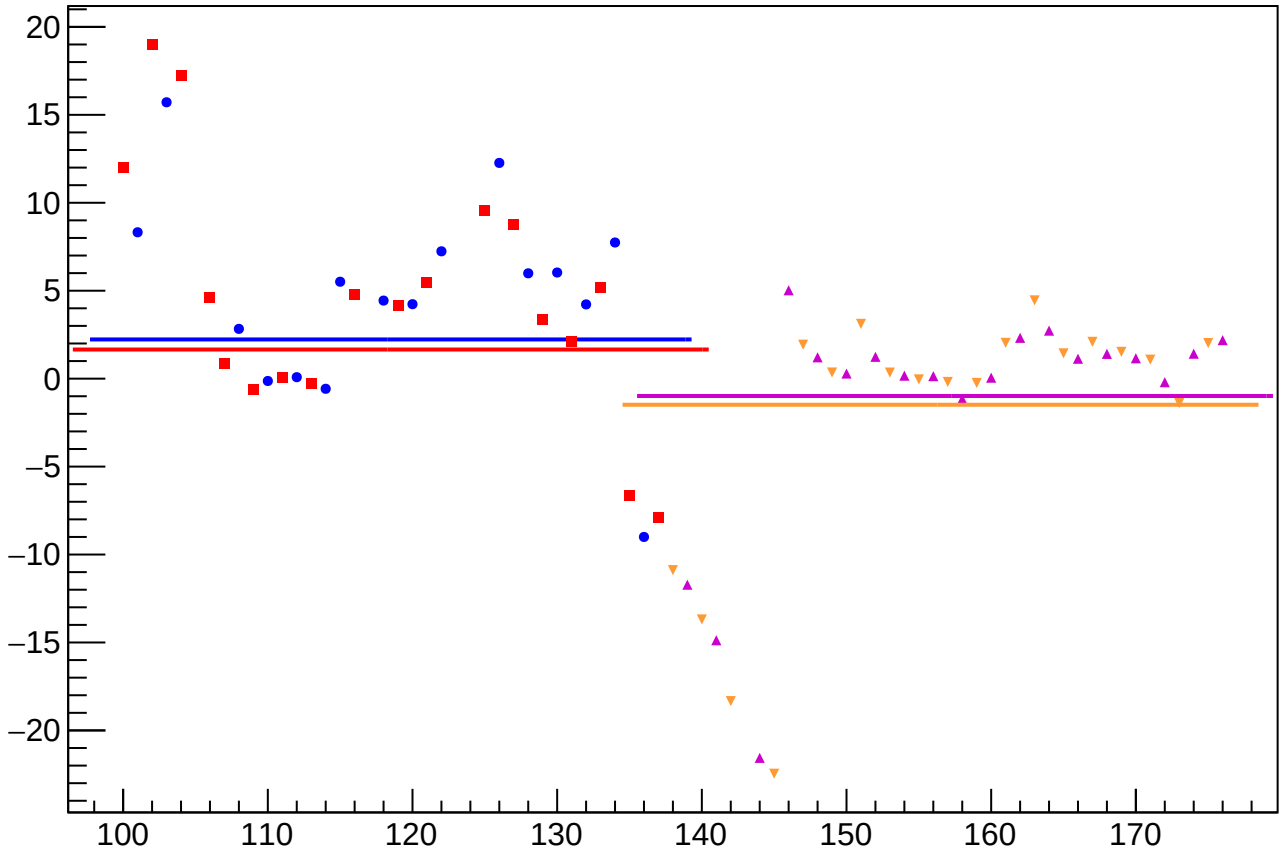
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.164+/-0.012 χ^2/NDF:6701.7/18

+ sign 0.328+/-0.011 χ^2/NDF: 6769.6/34

All: 0.262+/-0.008 χ^2/NDF: 15139.3/71

- sign 0.208+/-0.010 χ^2/NDF: 8308.2/36



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -1.484+/-0.018 χ^2/NDF:113739.8/18

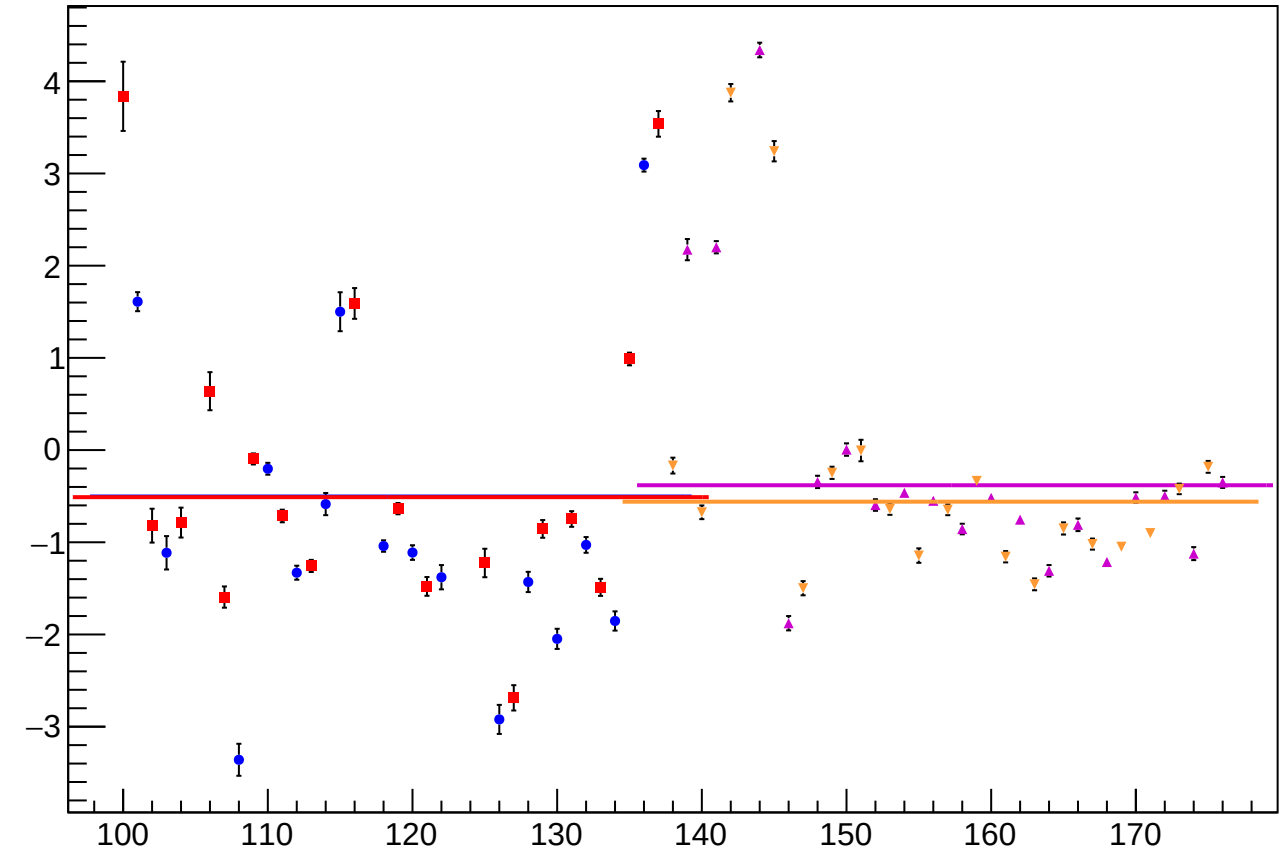
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -0.985+/-0.016 χ^2/NDF:120858.6/18

+ sign -0.001+/-0.014 χ^2/NDF: 199639.5/34

All: 0.009+/-0.009 χ^2/NDF: 403658.6/71

- sign 0.017+/-0.013 χ^2/NDF: 204018.2/36



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.560+/-0.015 χ^2/NDF:4230.2/18

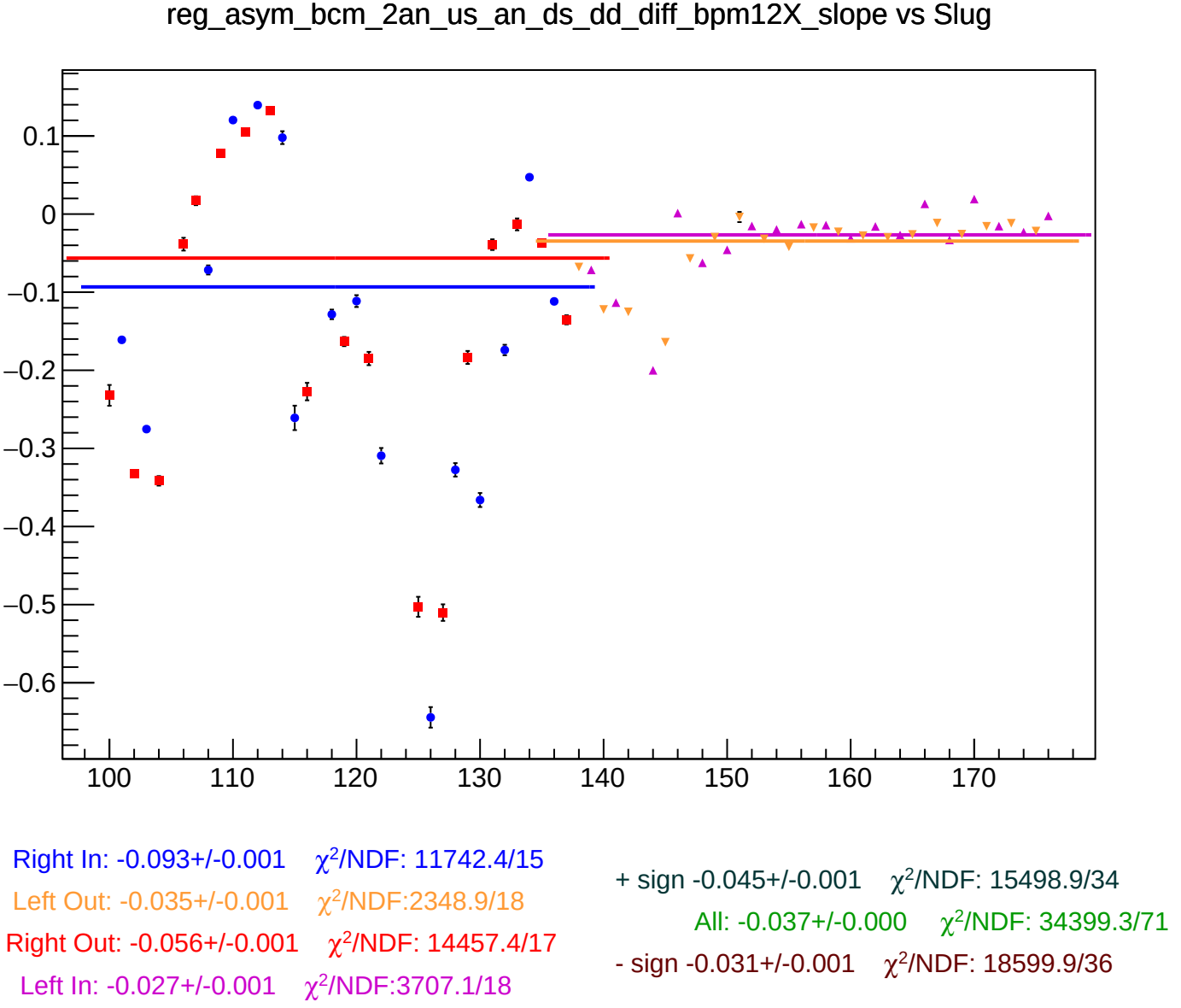
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

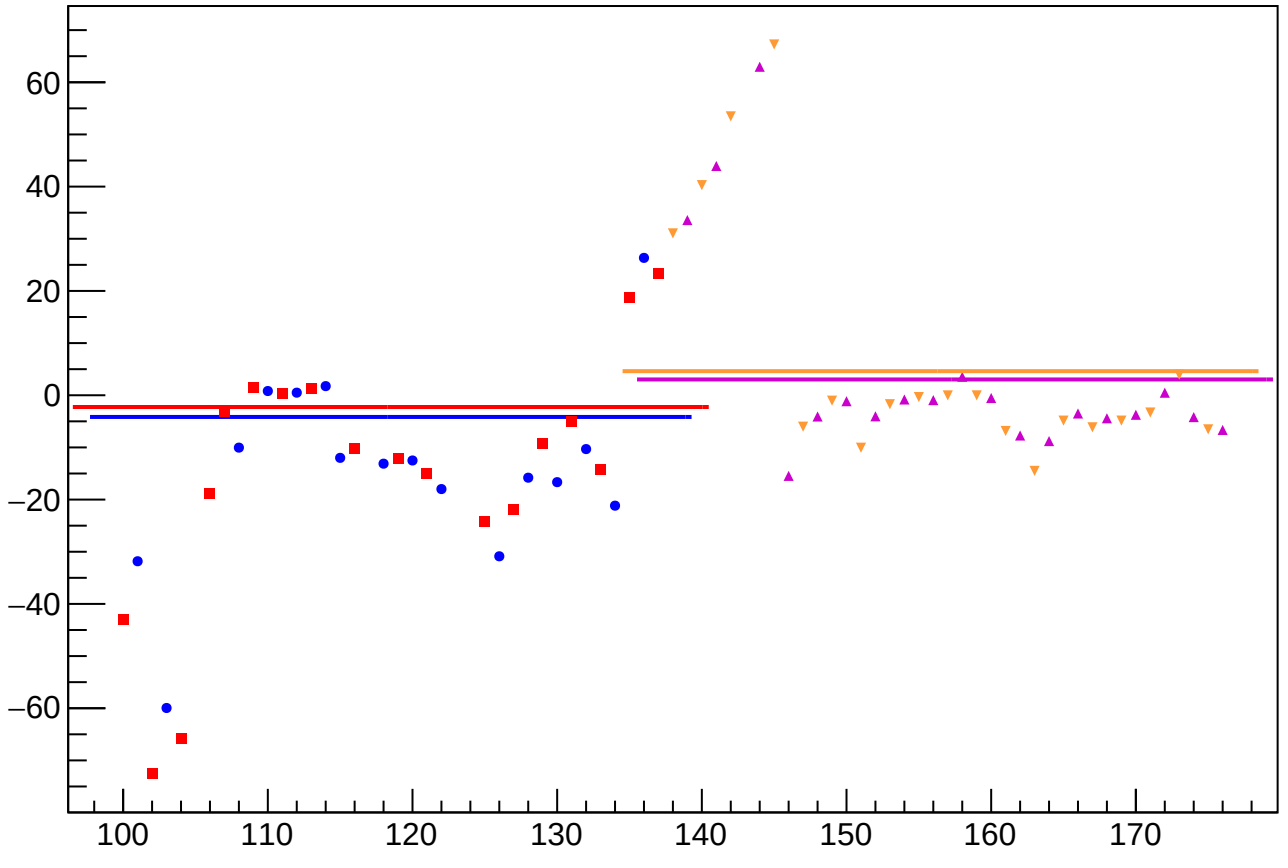
Left In: -0.381+/-0.014 χ^2/NDF:6709.7/18

+ sign -0.543+/-0.013 χ^2/NDF: 8681.3/34

All: -0.473+/-0.009 χ^2/NDF: 17893.6/71

- sign -0.416+/-0.012 χ^2/NDF: 9158.3/36


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
160
170
Right In: -0.093+/-0.001 χ²/NDF: 11742.4/15
Left Out: -0.035+/-0.001 χ²/NDF:2348.9/18
Right Out: -0.056+/-0.001 χ²/NDF: 14457.4/17
Left In: -0.027+/-0.001 χ²/NDF:3707.1/18
+ sign -0.045+/-0.001 χ²/NDF: 15498.9/34
All: -0.037+/-0.000 χ²/NDF: 34399.3/71
- sign -0.031+/-0.001 χ²/NDF: 18599.9/36



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 4.618+/-0.054 χ^2/NDF:120120.3/18

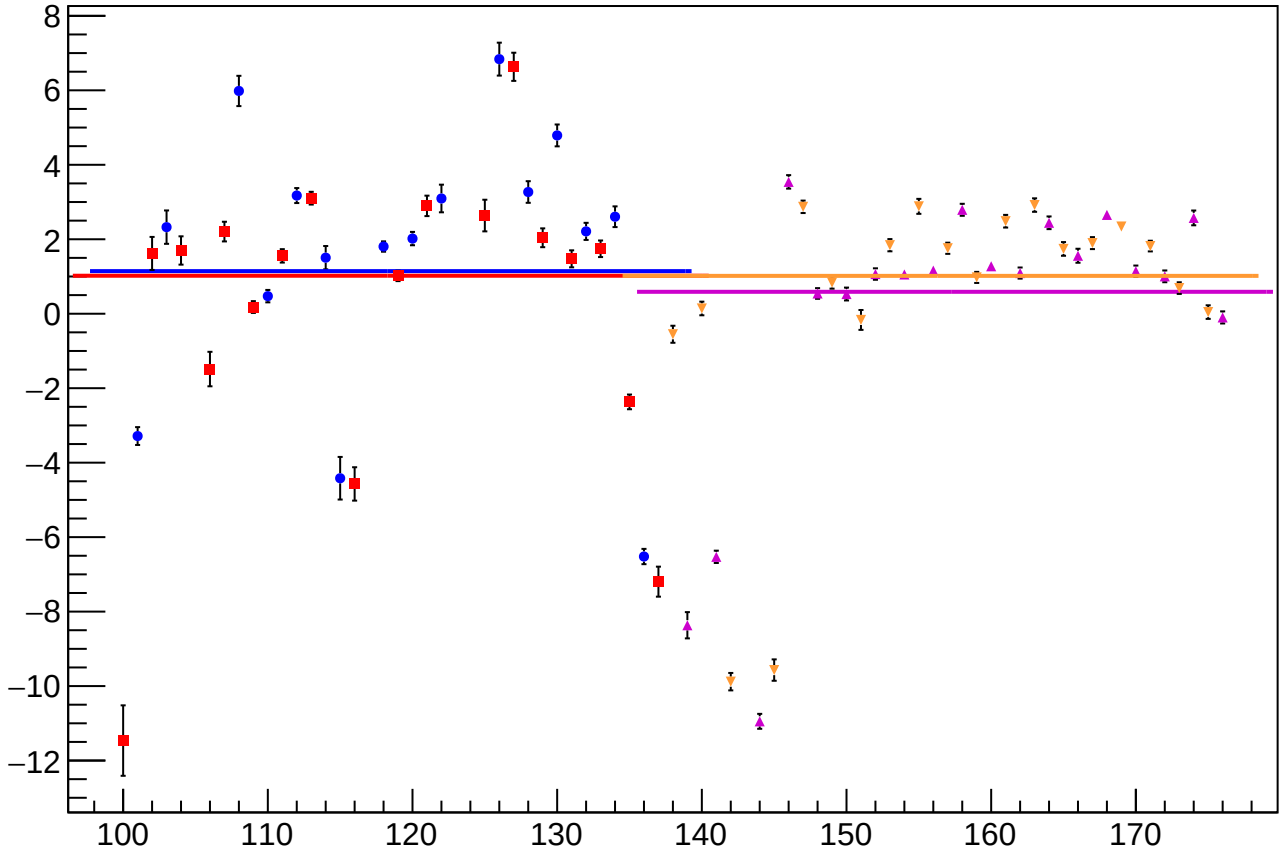
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 3.030+/-0.048 χ^2/NDF:126284.9/18

+ sign 0.252+/-0.038 χ^2/NDF: 208634.8/34

All: 0.273+/-0.025 χ^2/NDF: 420908.1/71

- sign 0.289+/-0.033 χ^2/NDF: 212272.8/36



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 1.017+/-0.040 χ^2/NDF:4264.7/18

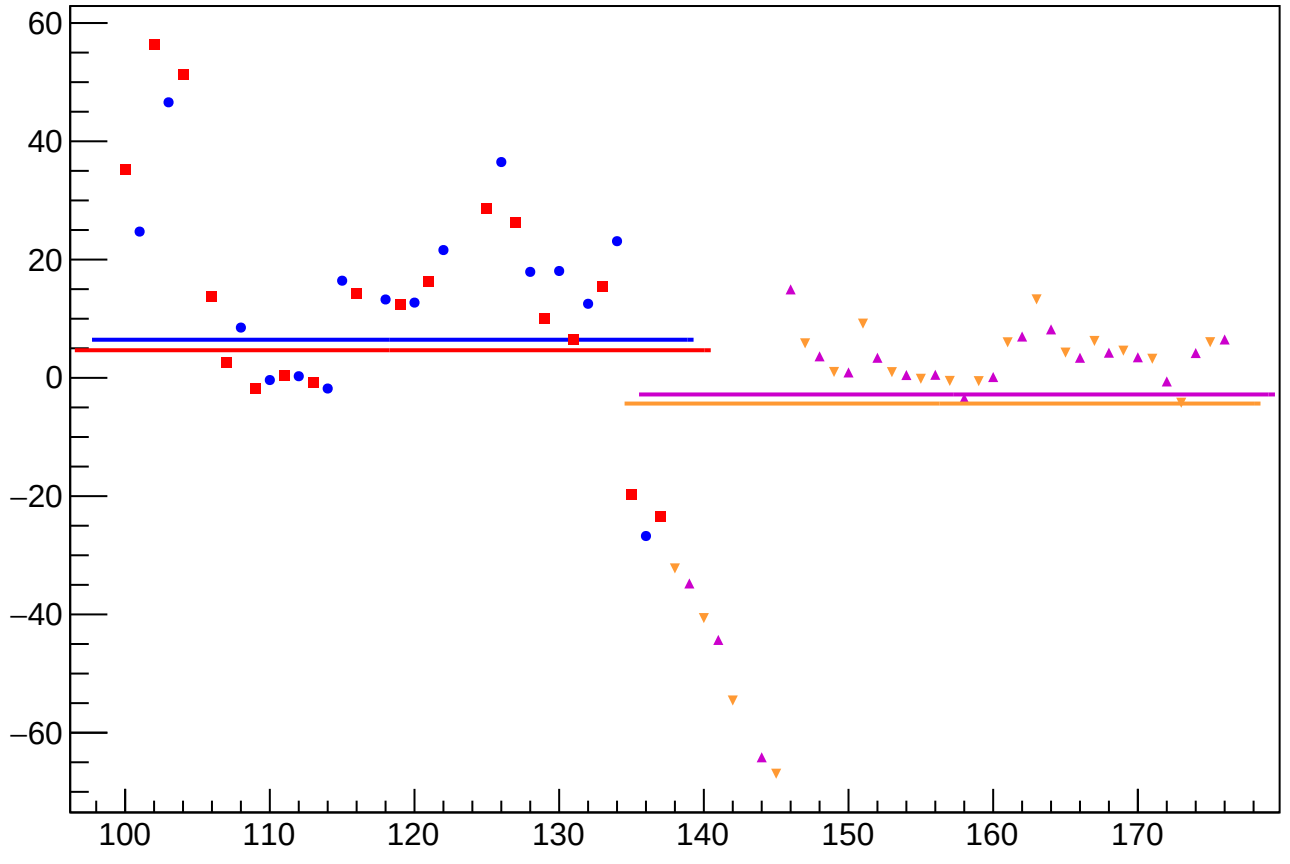
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.589+/-0.035 χ^2/NDF:6866.8/18

\+ sign 1.056+/-0.033 χ^2/NDF: 6863.1/34

All: 0.863+/-0.022 χ^2/NDF: 15423.4/71

\- sign 0.707+/-0.030 χ^2/NDF: 8499.5/36



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -4.345+/-0.053 χ^2/NDF:115660.3/18

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

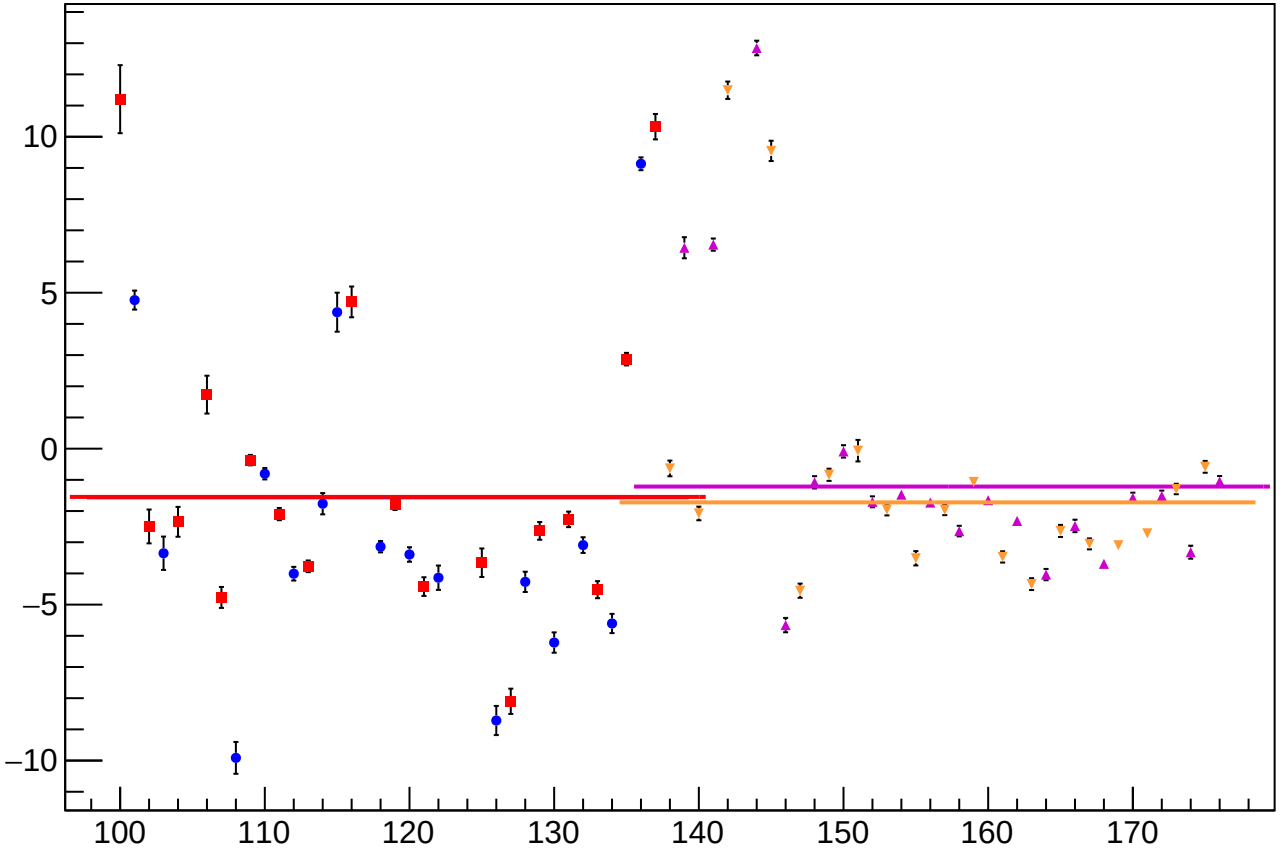
Left In: -2.807+/-0.047 χ^2/NDF:123336.3/18

+ sign -0.008+/-0.041 χ^2/NDF: 203023.0/34

All: 0.029+/-0.027 χ^2/NDF: 410685.5/71

- sign 0.058+/-0.037 χ^2/NDF: 207661.1/36

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.722+/-0.045 χ^2/NDF:4268.0/18

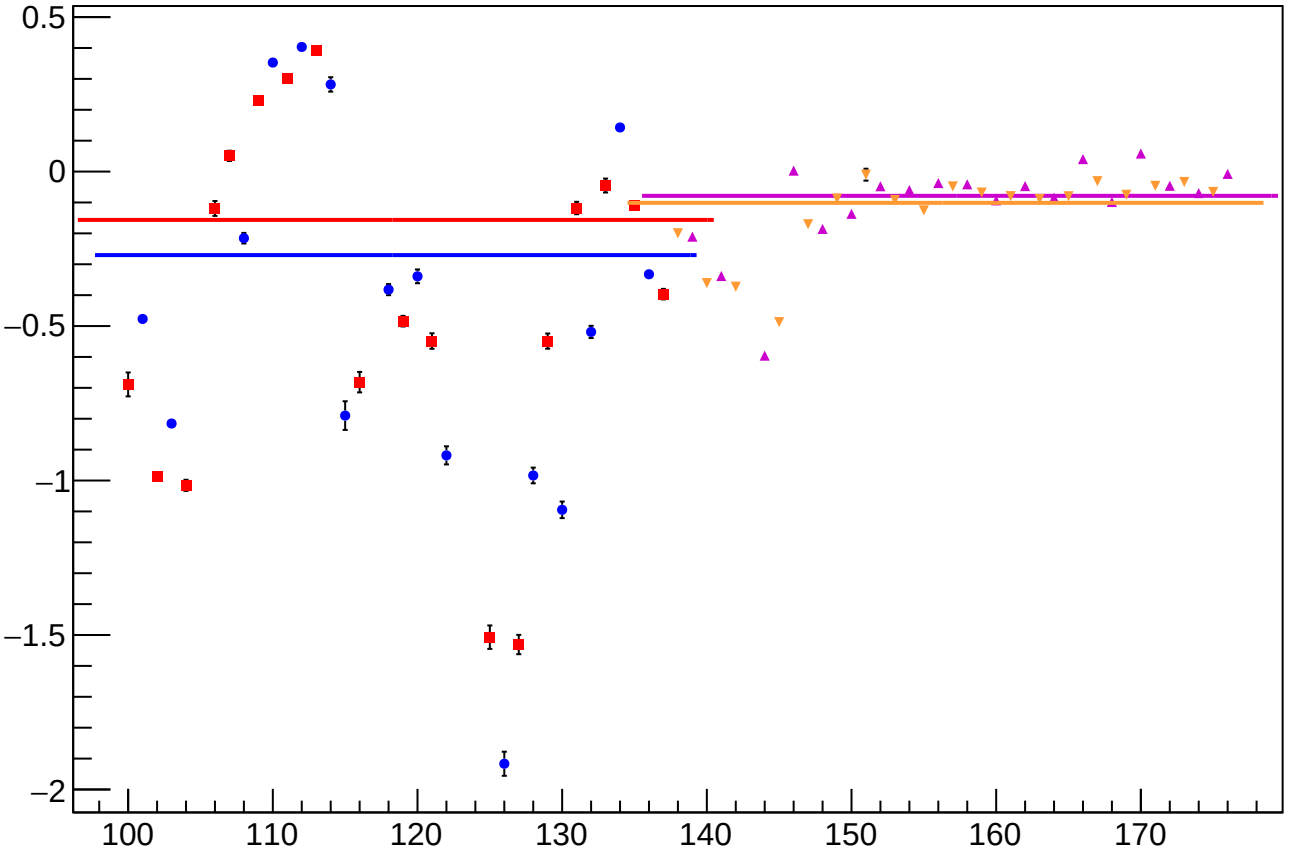
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.215+/-0.039 χ^2/NDF:6864.1/18

+ sign -1.674+/-0.038 χ^2/NDF: 8815.1/34

All: -1.469+/-0.025 χ^2/NDF: 18221.8/71

- sign -1.305+/-0.034 χ^2/NDF: 9353.4/36



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.101+/-0.002 χ^2/NDF:2394.8/18

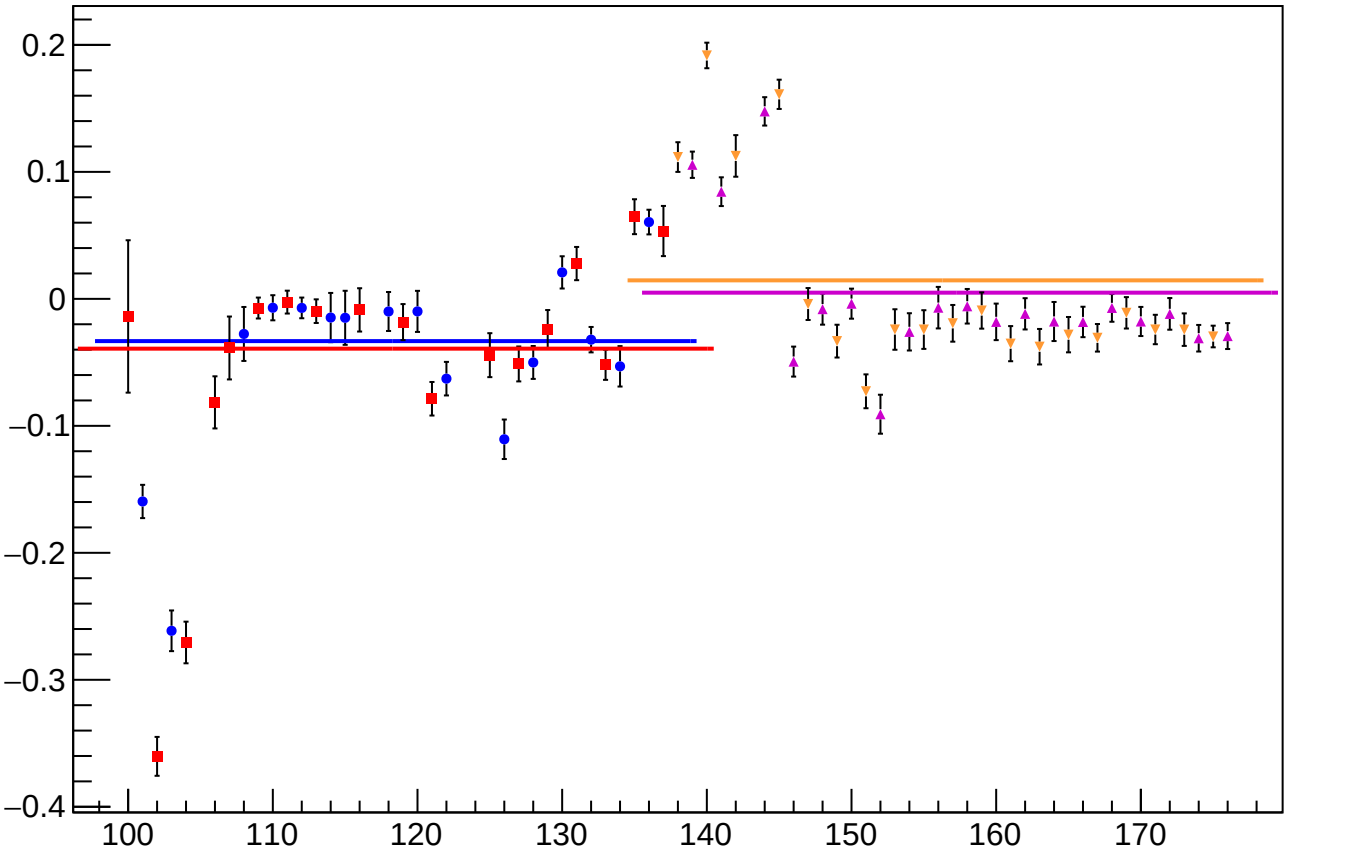
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.078+/-0.002 χ^2/NDF:3793.6/18

+ sign -0.132+/-0.002 χ^2/NDF: 15857.2/34

All: -0.109+/-0.001 χ^2/NDF: 35345.9/71

- sign -0.091+/-0.002 χ^2/NDF: 19178.5/36



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.015+/-0.003 χ^2/NDF:760.8/18

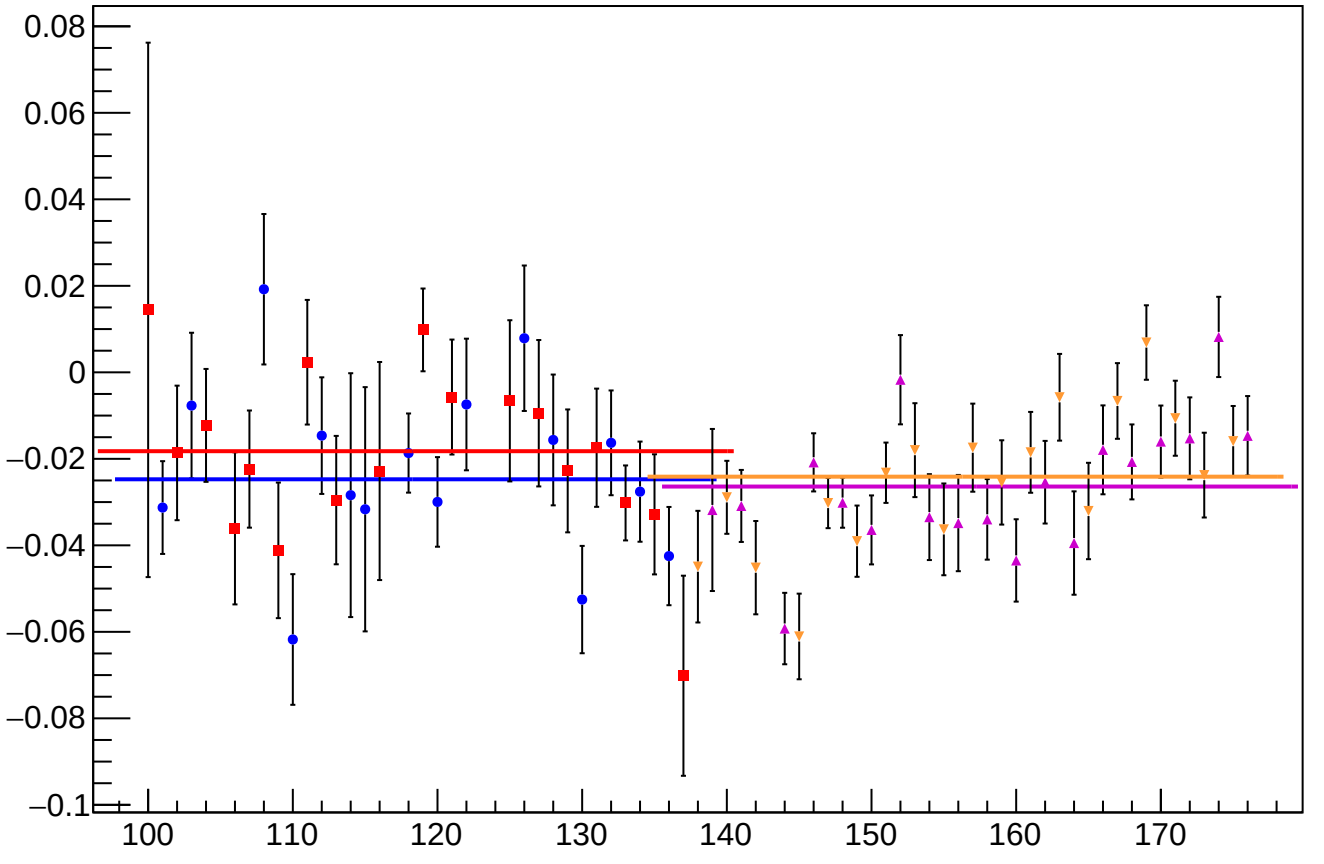
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.005+/-0.003 χ^2/NDF:414.6/18

+ sign -0.007+/-0.002 χ^2/NDF: 1347.9/34

All: -0.011+/-0.001 χ^2/NDF: 2685.1/71

- sign -0.014+/-0.002 χ^2/NDF: 1330.5/36



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:51.8/18

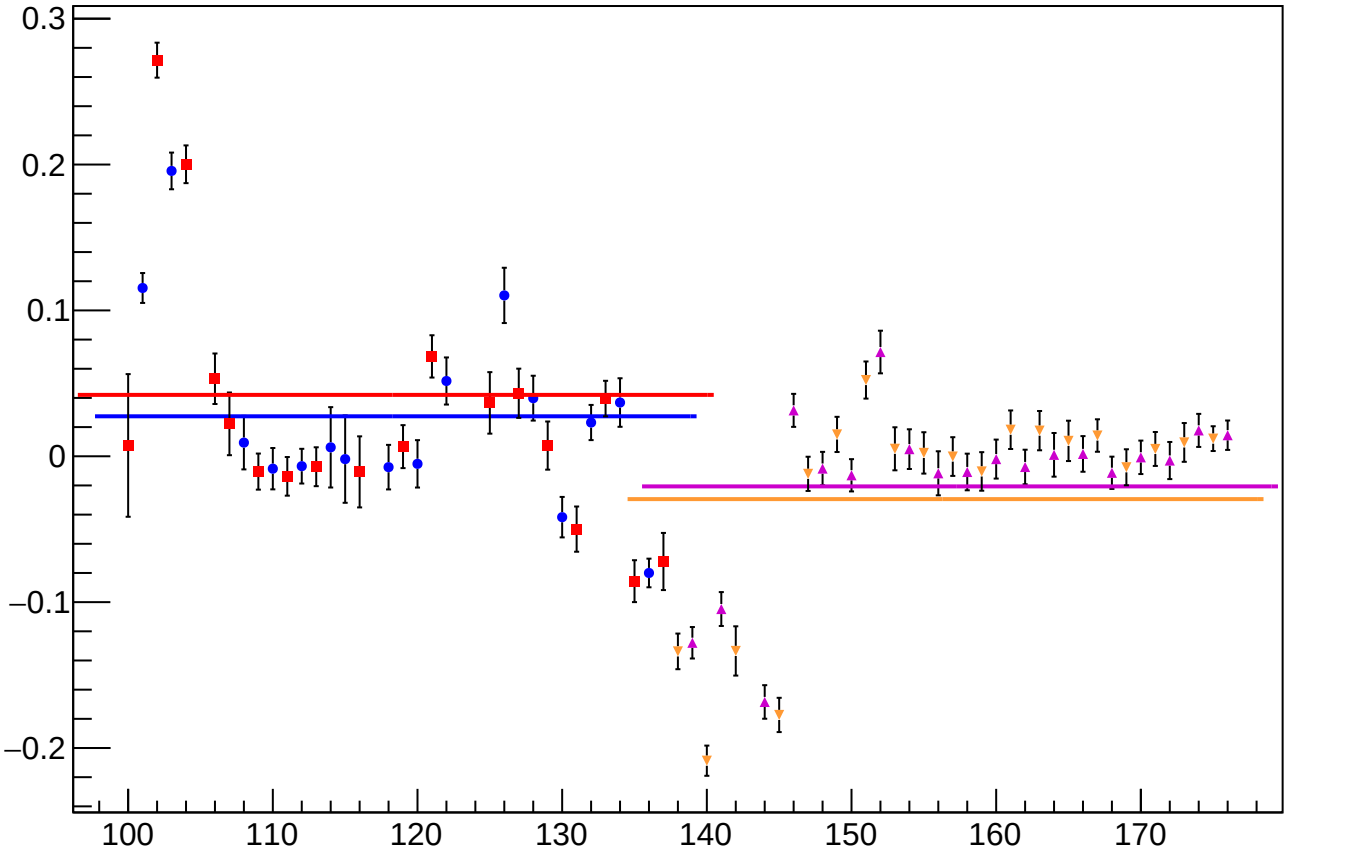
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.026+/-0.002 χ^2/NDF:50.4/18

+ sign -0.024+/-0.002 χ^2/NDF: 80.4/34

All: -0.024+/-0.001 χ^2/NDF: 159.7/71

- sign -0.024+/-0.002 χ^2/NDF: 79.3/36



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.029+/-0.003 χ^2/NDF:736.9/18

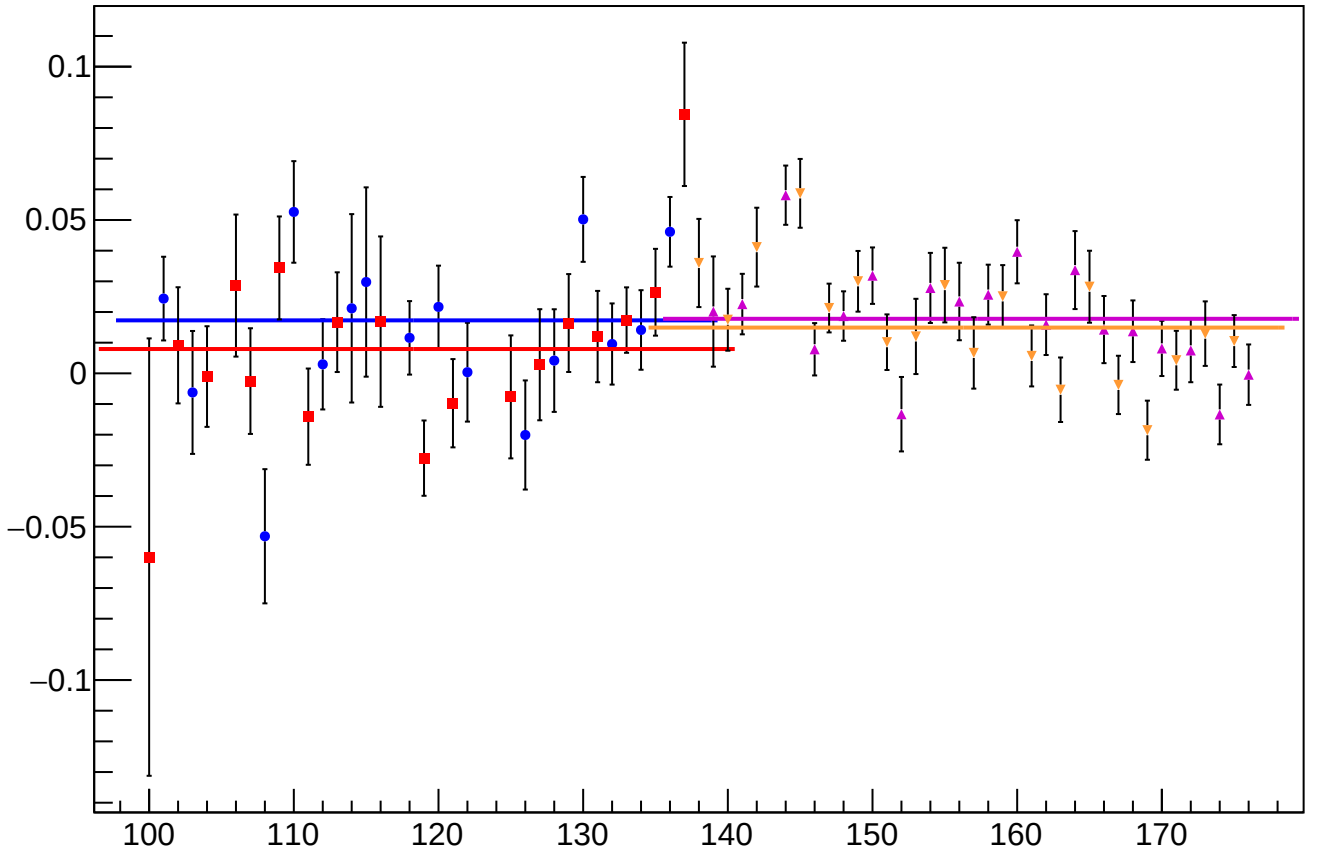
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.021+/-0.003 χ^2/NDF:421.0/18

+ sign -0.008+/-0.002 χ^2/NDF: 1338.7/34

All: -0.003+/-0.002 χ^2/NDF: 2691.8/71

- sign 0.002+/-0.002 χ^2/NDF: 1343.1/36



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.0/18

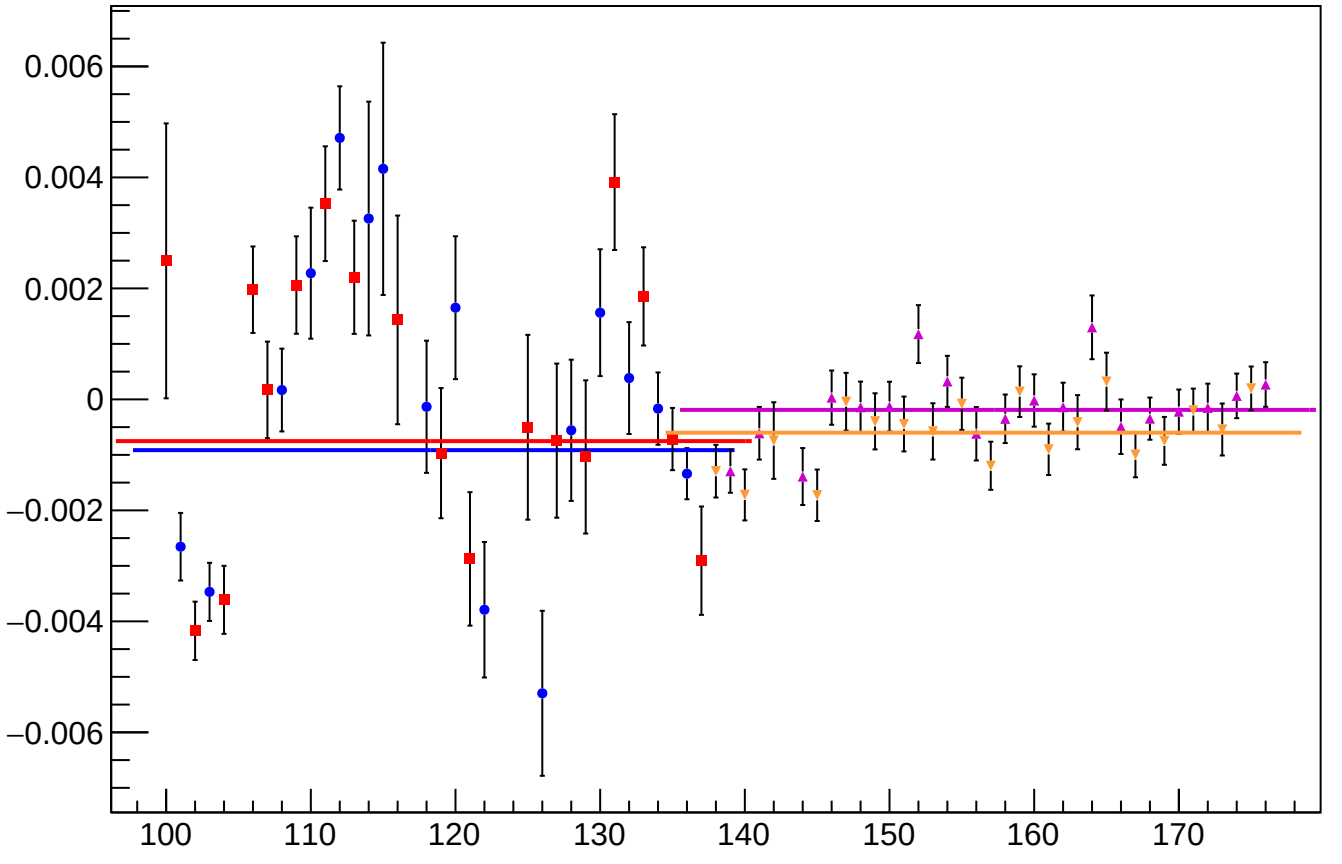
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.018+/-0.002 χ^2/NDF:51.7/18

+ sign 0.016+/-0.002 χ^2/NDF: 88.0/34

All: 0.015+/-0.001 χ^2/NDF: 175.8/71

- sign 0.015+/-0.002 χ^2/NDF: 87.8/36



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:31.1/18

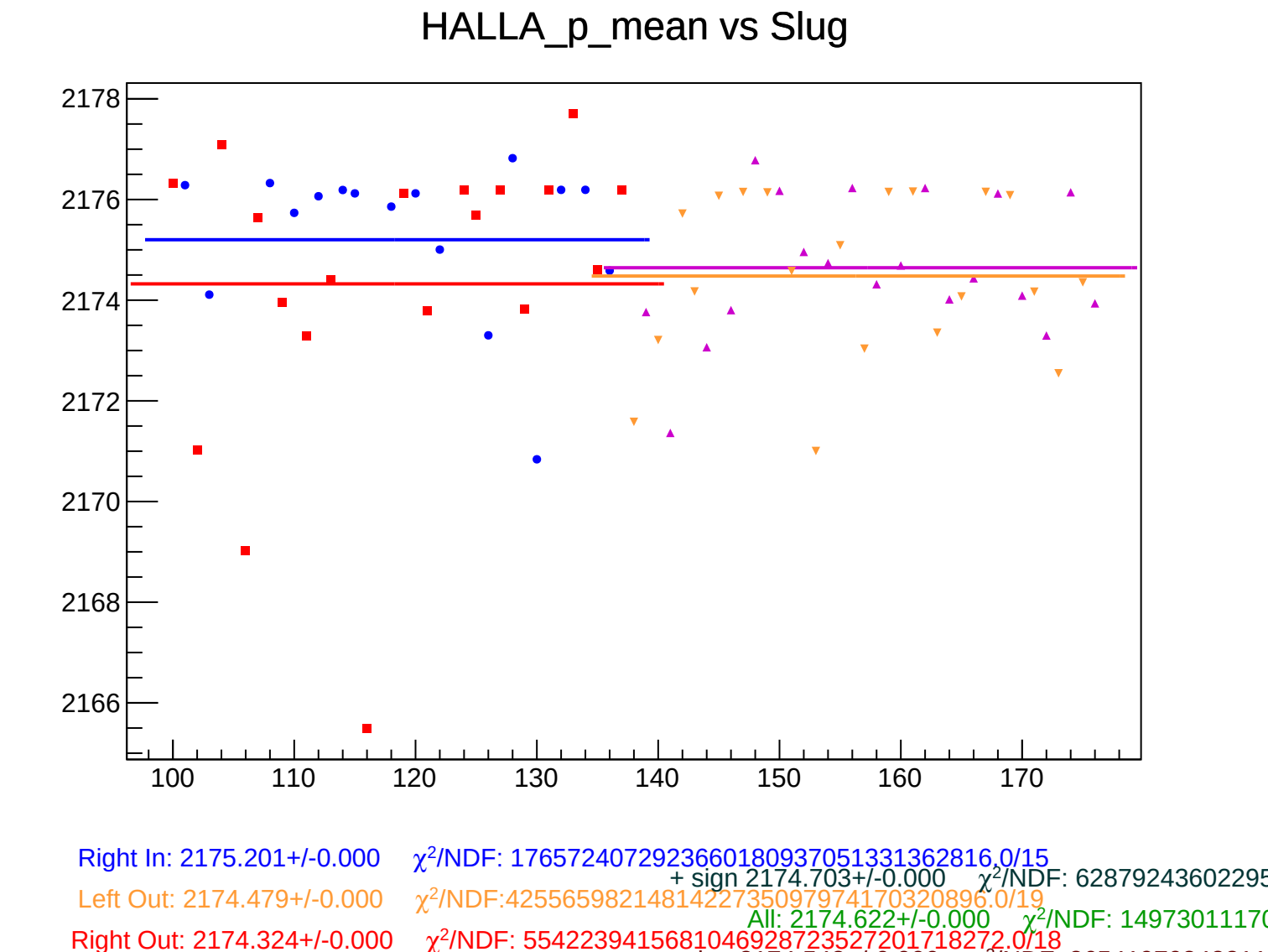
Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

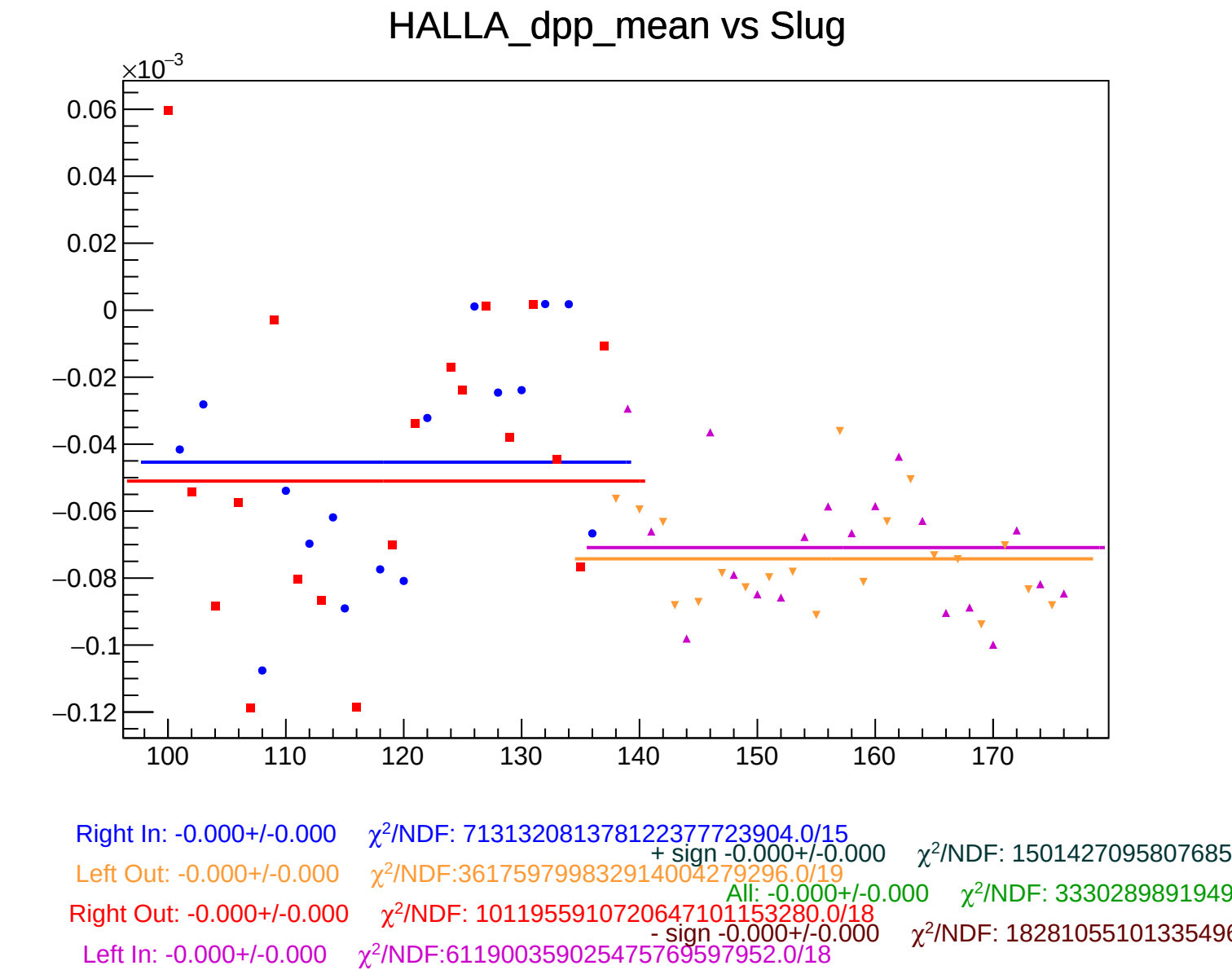
Left In: -0.000+/-0.000 χ^2/NDF:32.7/18

+ sign -0.001+/-0.000 χ^2/NDF: 146.9/34

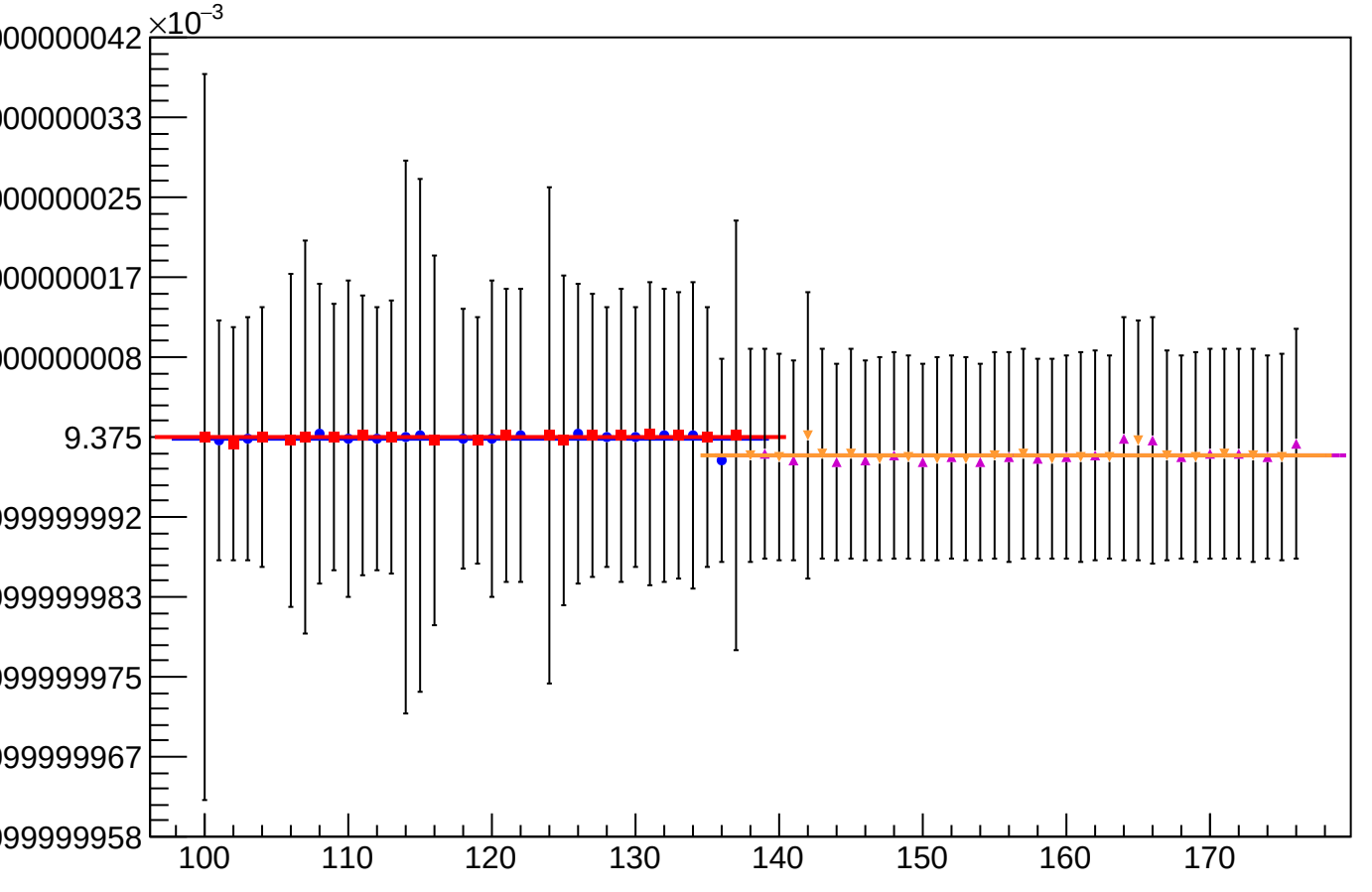
All: -0.000+/-0.000 χ^2/NDF: 340.5/71

- sign -0.000+/-0.000 χ^2/NDF: 185.9/36


HALLA_p_mean vs Slug
2178
2176
2174
2172
2170
2168
2166
100
110
120
130
140
150
160
170
Right In: 2175.201+/-0.000 χ²/NDF: 176572407292366018093705133136281 6.0/15
+ sign 2174.703+/-0.000 χ²/NDF: 628792436022 95
Left Out: 2174.479+/-0.000 χ²/NDF:42556598214814227350979741703208 96.0/19
All: 2174.622+/-0.000 χ²/NDF: 149730111 70
Right Out: 2174.324+/-0.000 χ²/NDF: 554223941568104692872352720171827 2.0/18
- sign 2174.542+/-0.000 χ²/NDF: 8654197084221 1
Left In: 2174.645+/-0.000 χ²/NDF:30586717466868509047869841426350 08.0/18


HALLA_dpp_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040/15
Left Out: -0.000+/-0.000 χ²/NDF:3617597998329140042792960/19
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532800/18
Left In: -0.000+/-0.000 χ²/NDF:61190035902547576959795200/18
+ sign -0.000+/-0.000 χ²/NDF: 150142709580768
All: -0.000+/-0.000 χ²/NDF: 333028989194
- sign -0.000+/-0.000 χ²/NDF: 182810551013354

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:0.0/19

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

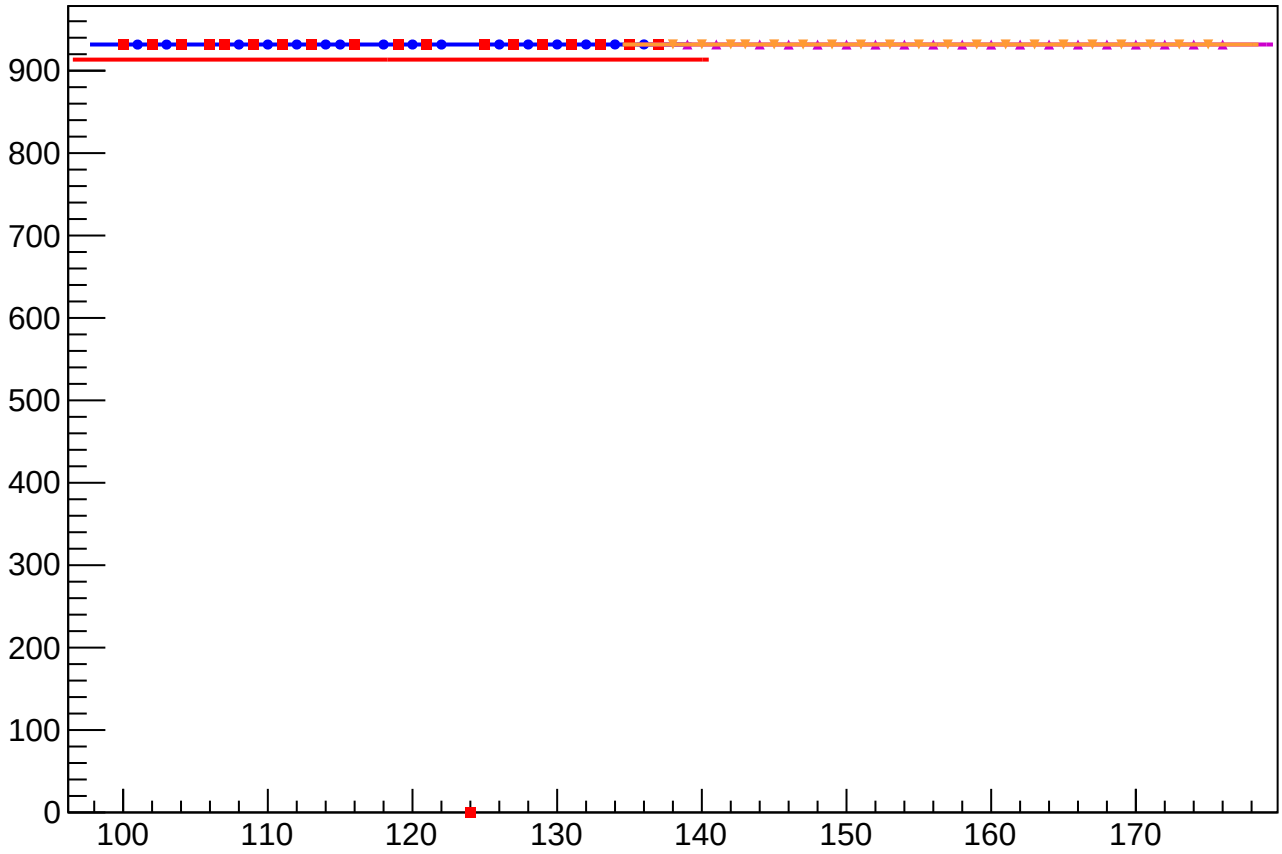
Left In: 0.009+/-0.000 χ^2/NDF:0.1/18

\+ sign 0.009+/-0.000 χ^2/NDF: 0.2/35

All: 0.009+/-0.000 χ^2/NDF: 0.5/73

\- sign 0.009+/-0.000 χ^2/NDF: 0.3/37

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.780+/-0.000 χ^2/NDF: 707241260340303

Left Out: 931.785+/-0.000 χ^2/NDF:4183161883108006832439996448768.0/19

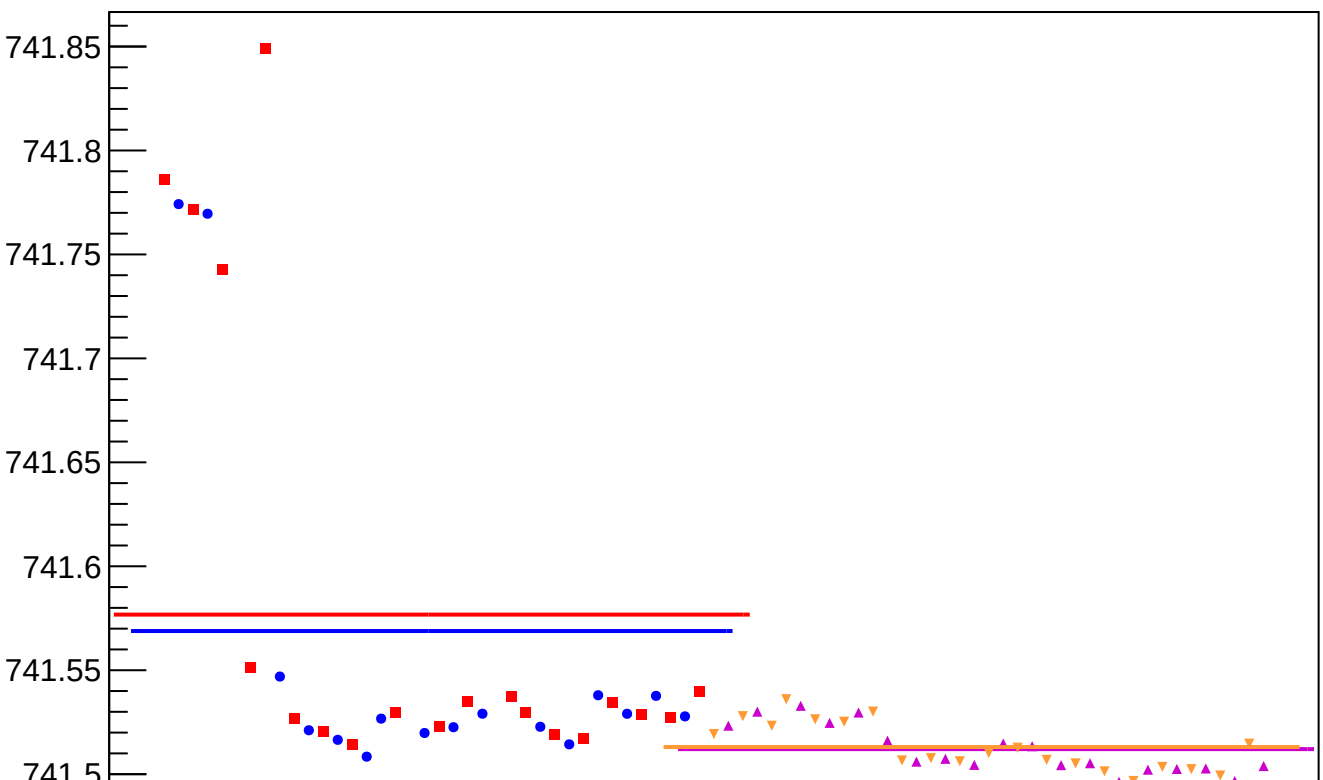
All: 928.849+/-0.000 χ^2/NDF: 12981321019

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 925.898+/-0.000 χ^2/NDF: 129400188151133

Left In: 931.777+/-0.000 χ^2/NDF:377921616829519464164483294822 4.0/18

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.513+/-0.000 χ^2/NDF:208464466168993615165769383936.0/19

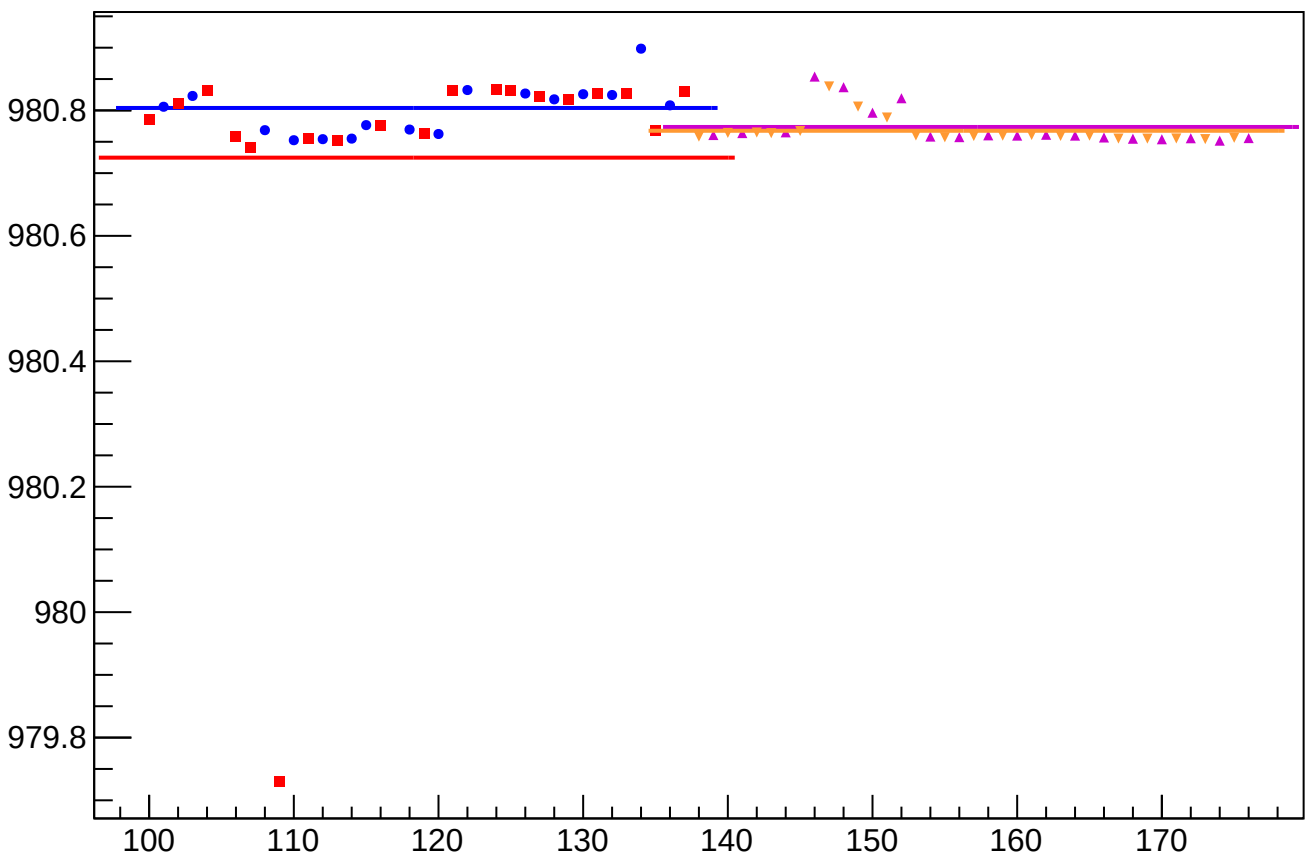
Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

Left In: 741.512+/-0.000 χ^2/NDF:208483767808730813829897781248.0/18

+ sign 741.530+/-0.000 χ^2/NDF: 823484898056338

All: 741.532+/-0.000 χ^2/NDF: 1831259091 71

- sign 741.533+/-0.000 χ^2/NDF: 100703468528268



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.768+/-0.000 χ^2/NDF:724102795574416267156803026944.0/19

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

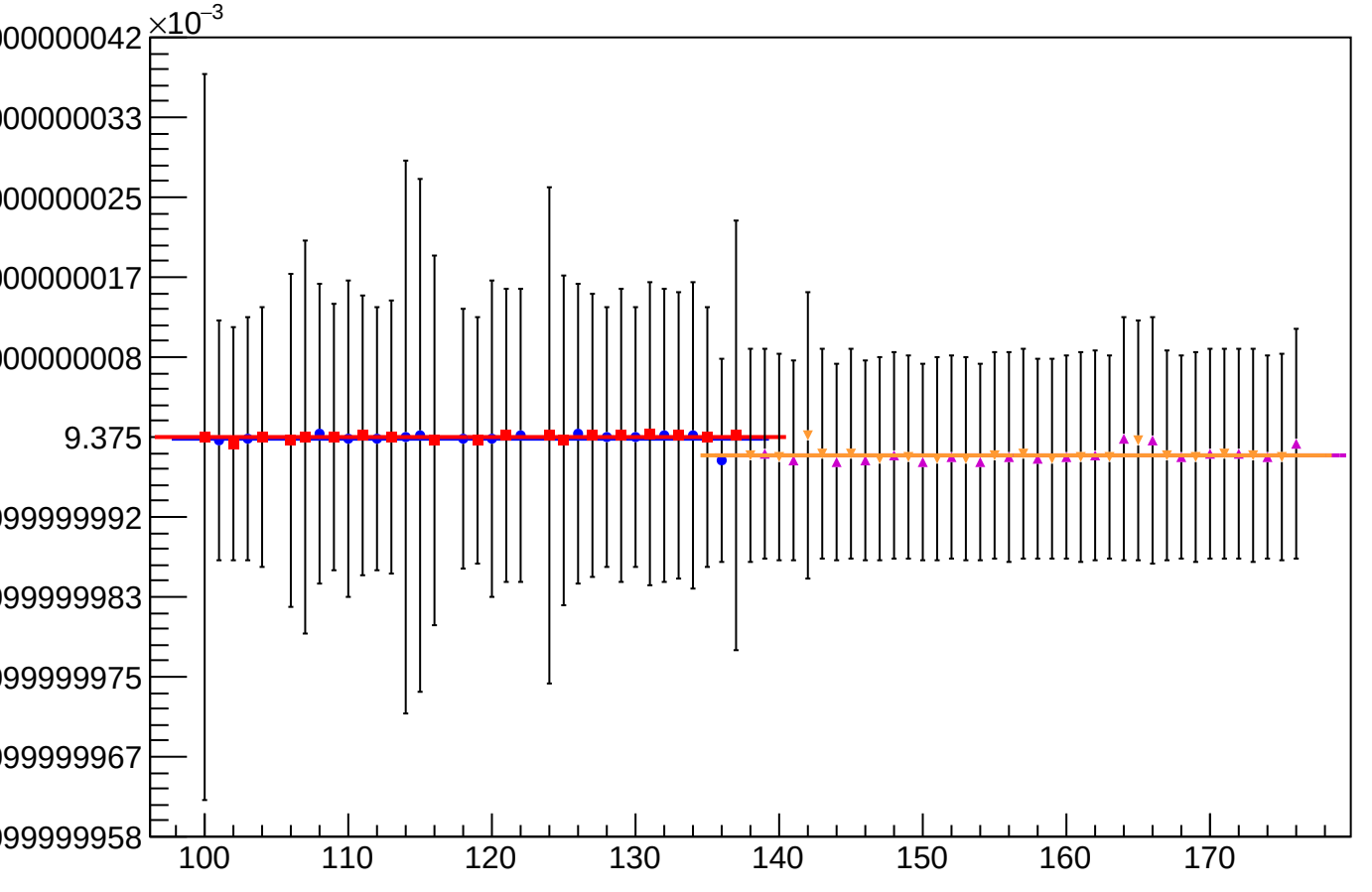
Left In: 980.774+/-0.000 χ^2/NDF:14728265698452260587883053711360/18

+ sign 980.779+/-0.000 χ^2/NDF: 233387391690669

All: 980.768+/-0.000 χ^2/NDF: 616075822161

- sign 980.758+/-0.000 χ^2/NDF: 587532693540915

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:0.0/19

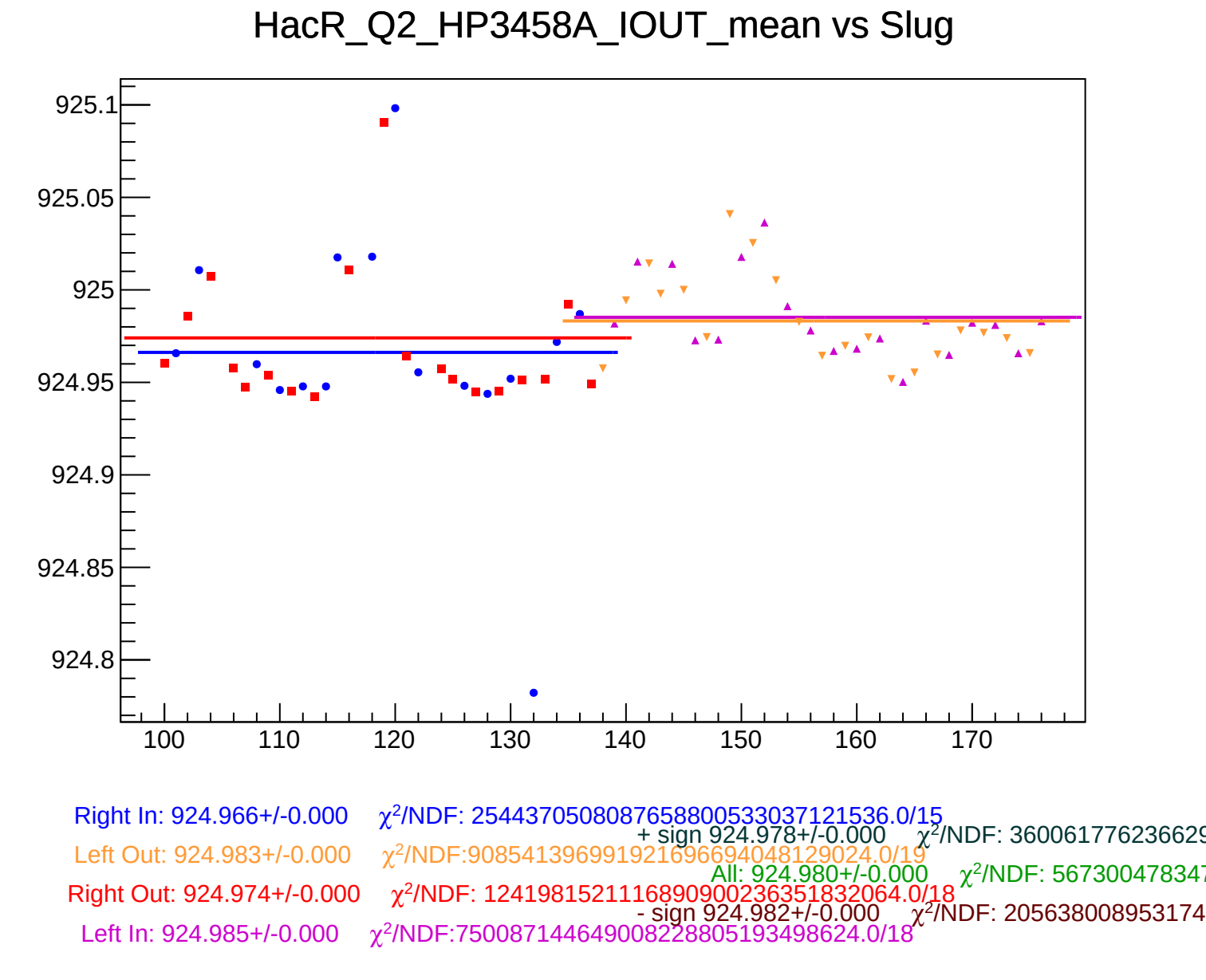
Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.1/18

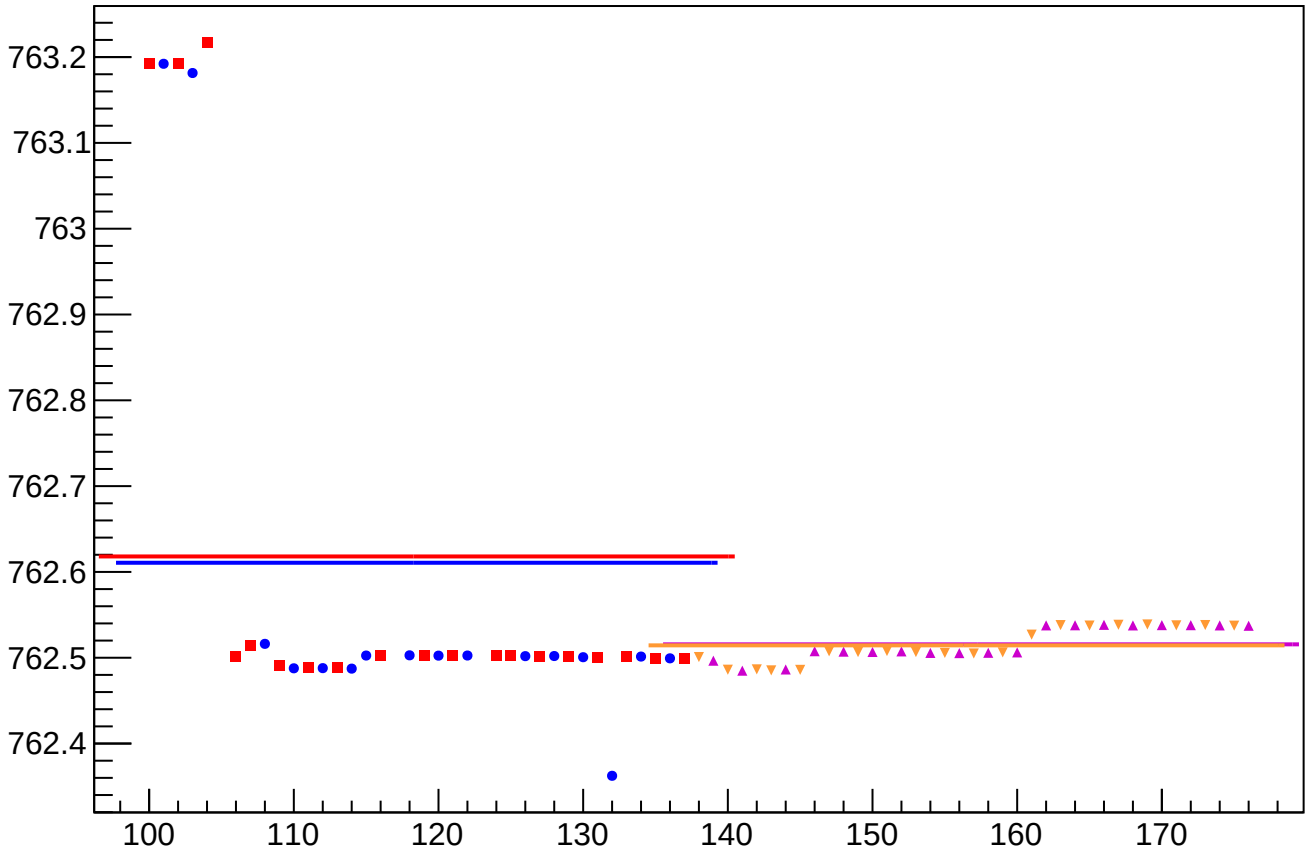
+ sign 0.009+/-0.000 χ^2/NDF: 0.2/35

All: 0.009+/-0.000 χ^2/NDF: 0.5/73

- sign 0.009+/-0.000 χ^2/NDF: 0.3/37


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
160
170
Right In: 924.966+/-0.000 χ²/NDF: 2544370508087658800533037121536.0/15
+ sign 924.978+/-0.000 χ²/NDF: 360061776236629
Left Out: 924.983+/-0.000 χ²/NDF:90854139699192169669404812902 4.0/19
All: 924.980+/-0.000 χ²/NDF: 567300478347
Right Out: 924.974+/-0.000 χ²/NDF: 124198152111689090023635183206 4.0/18
- sign 924.982+/-0.000 χ²/NDF: 205638008953174
Left In: 924.985+/-0.000 χ²/NDF:75008714464900822880519349862 4.0/18

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.514+/-0.000 χ^2/NDF:631672966834007824314333659136.0/19

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

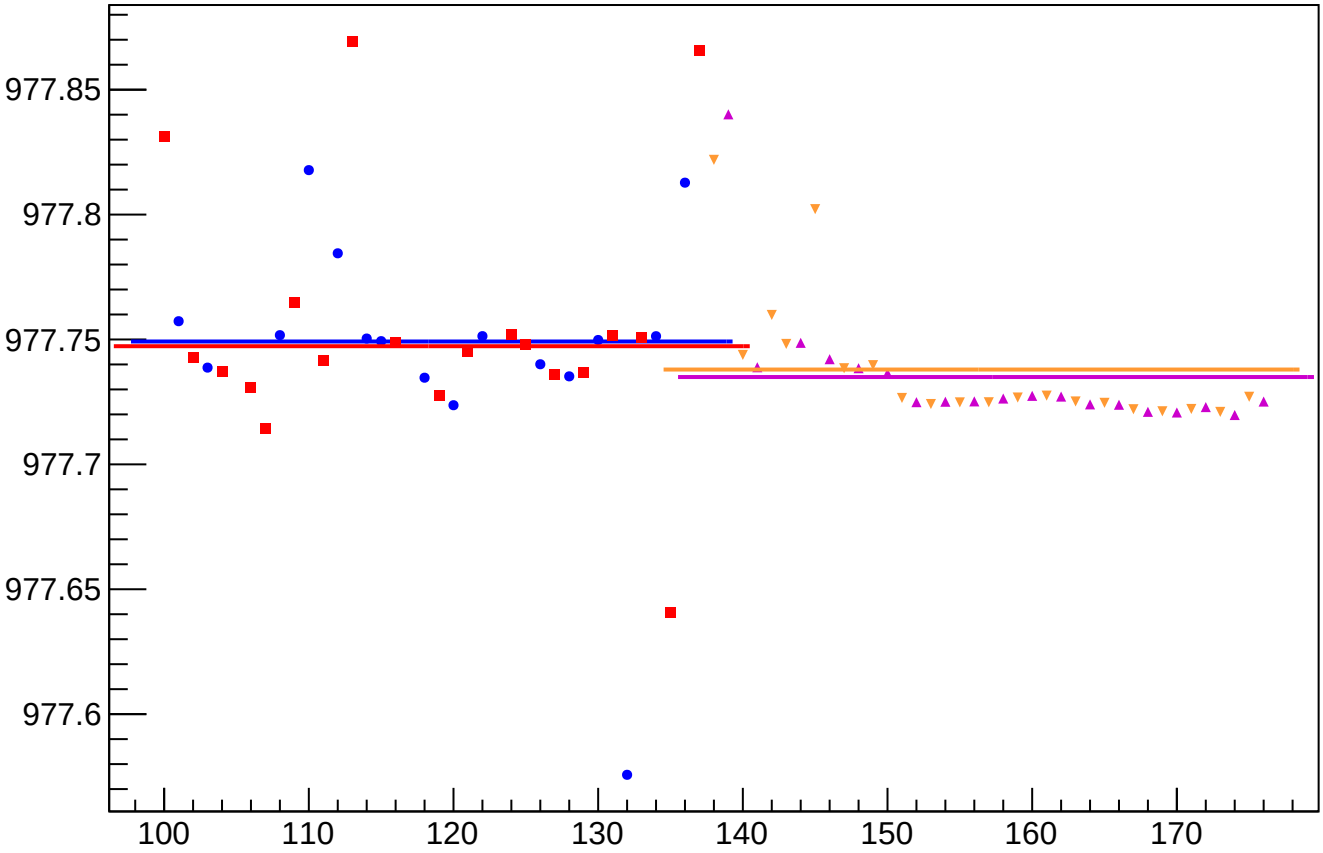
Left In: 762.516+/-0.000 χ^2/NDF:56735345613472247033441655193 6.0/18

+ sign 762.544+/-0.000 χ^2/NDF: 575345243194861

All: 762.546+/-0.000 χ^2/NDF: 116695638333

- sign 762.548+/-0.000 χ^2/NDF: 591396213916180

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.738+/-0.000 χ^2/NDF:1154309662640916609855710560256.0/19

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

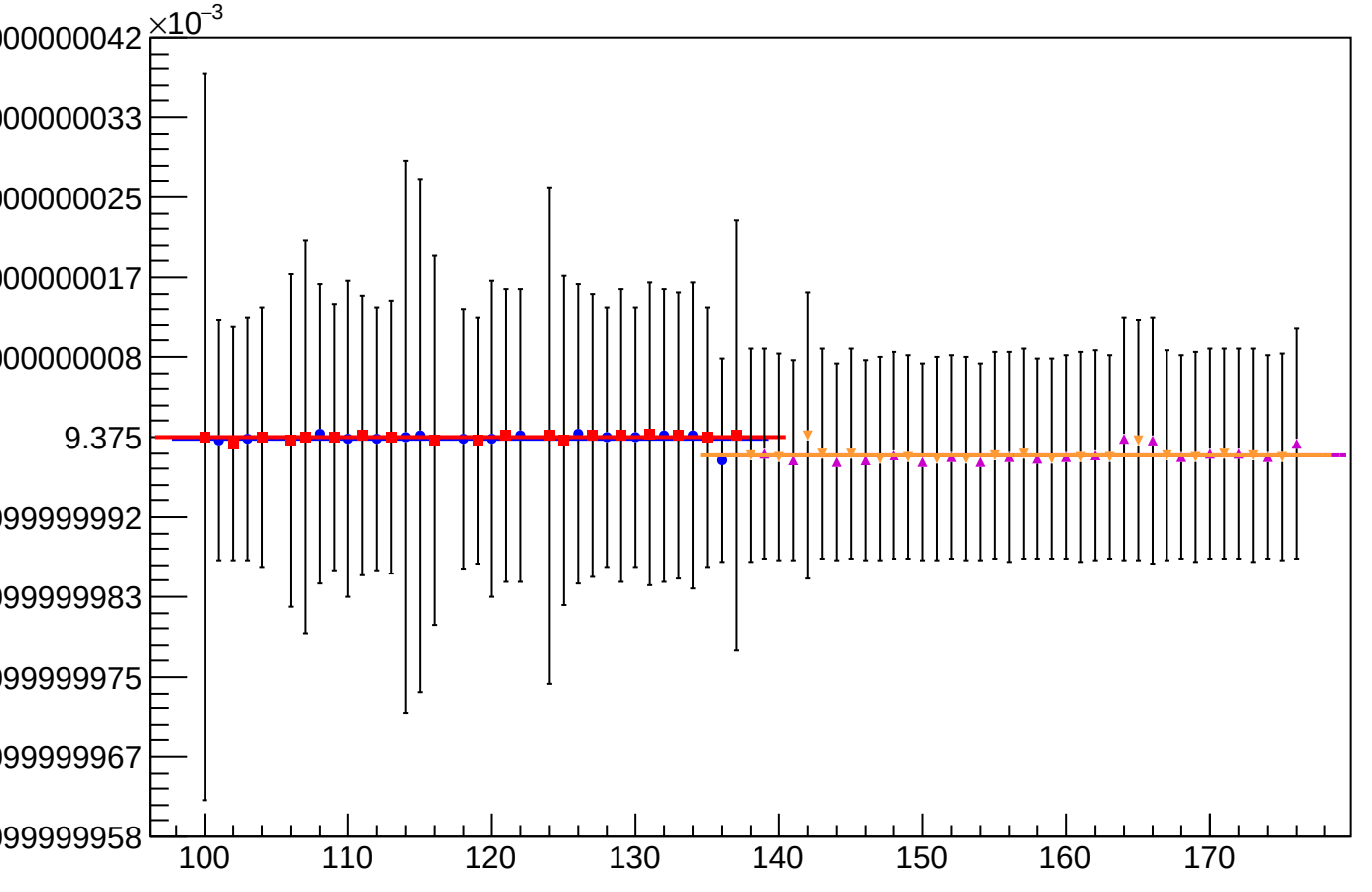
Left In: 977.735+/-0.000 χ^2/NDF:10864234479016848090286669168640/18

+ sign 977.741+/-0.000 χ^2/NDF: 317841606422832

All: 977.740+/-0.000 χ^2/NDF: 613358286464

- sign 977.739+/-0.000 χ^2/NDF: 294760332701431

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:0.0/19

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

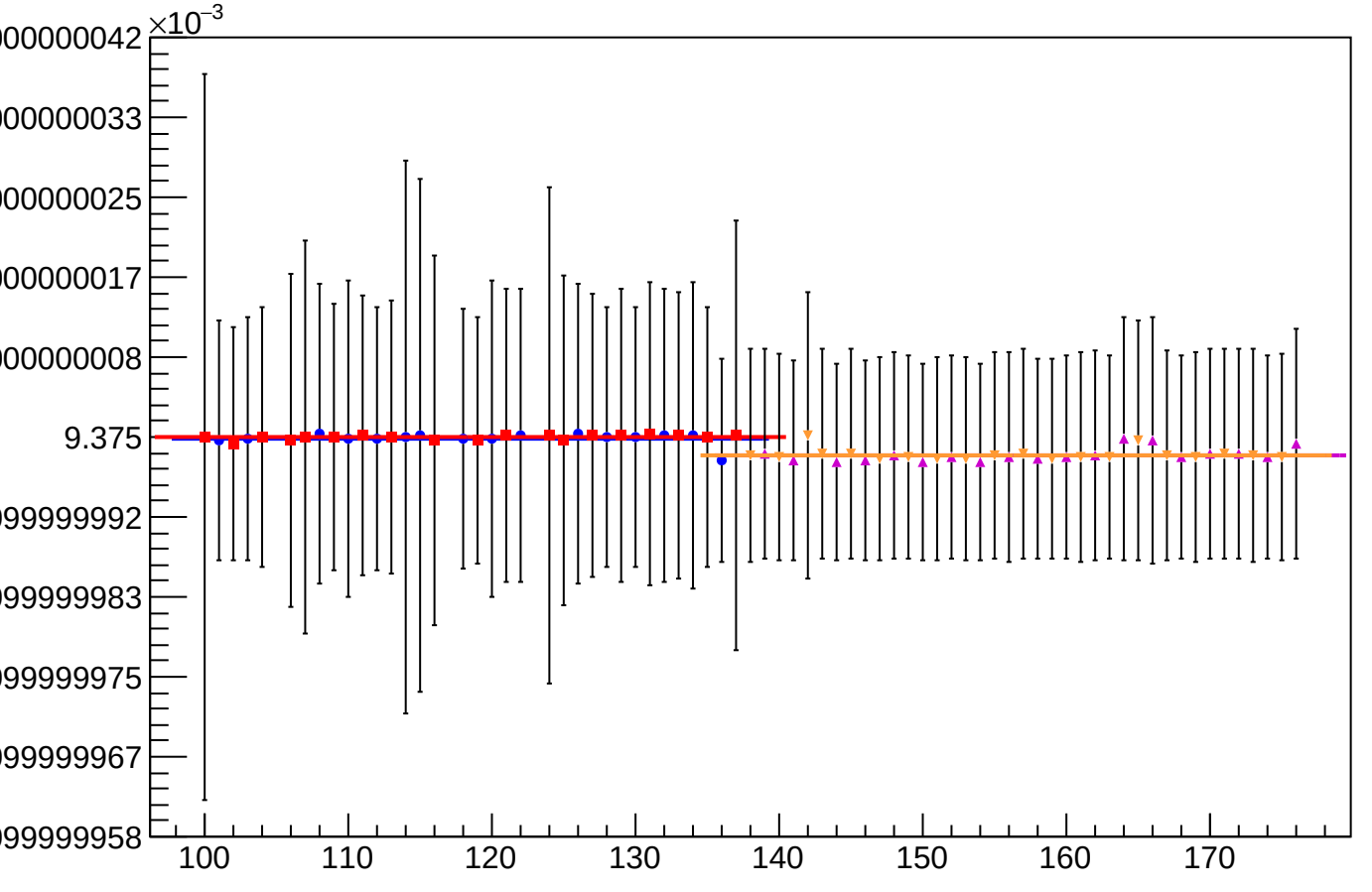
Left In: 0.009+/-0.000 χ^2/NDF:0.1/18

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/35

All: 0.009+/-0.000 χ^2/NDF: 0.5/73

- sign 0.009+/-0.000 χ^2/NDF: 0.3/37

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:0.0/19

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

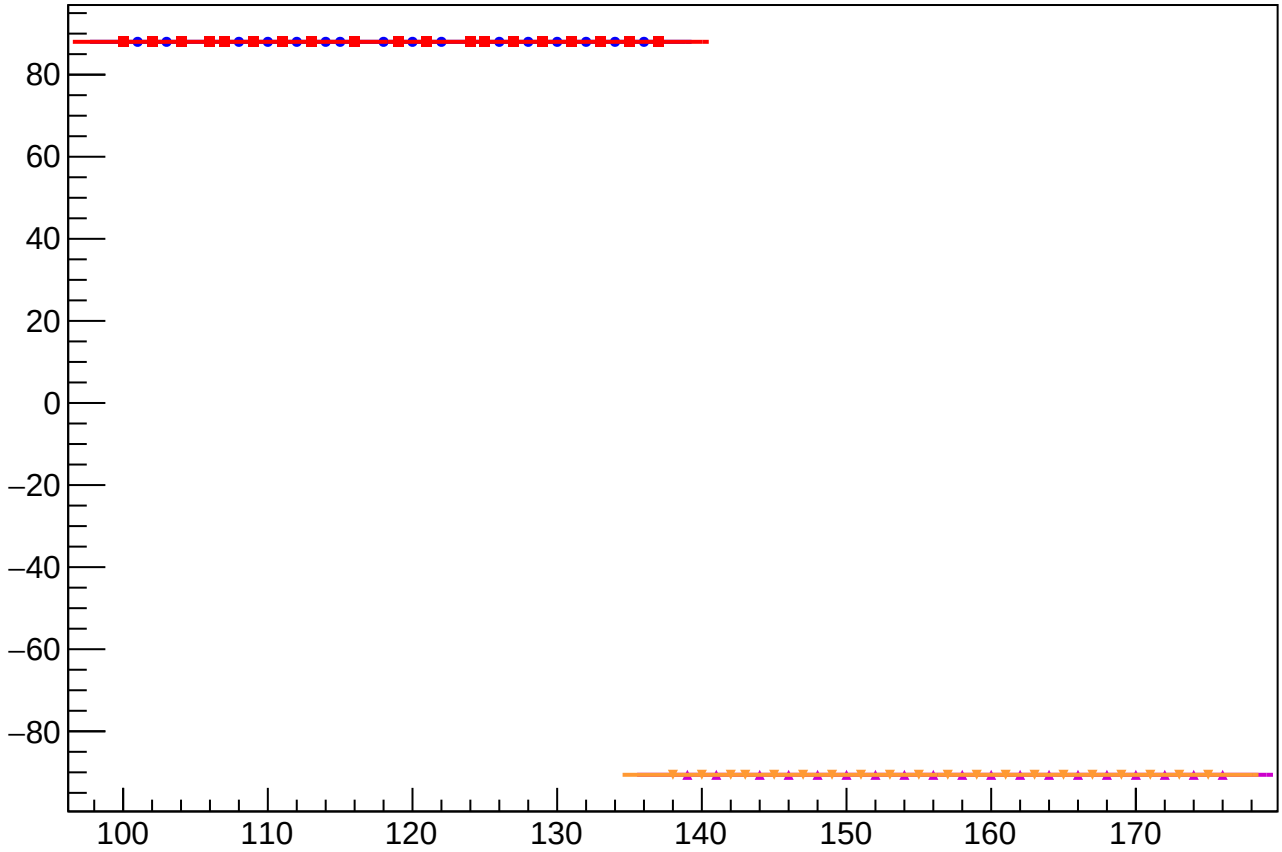
Left In: 0.009+/-0.000 χ^2/NDF:0.1/18

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/35

All: 0.009+/-0.000 χ^2/NDF: 0.5/73

- sign 0.009+/-0.000 χ^2/NDF: 0.3/37

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:4752451.5/19

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

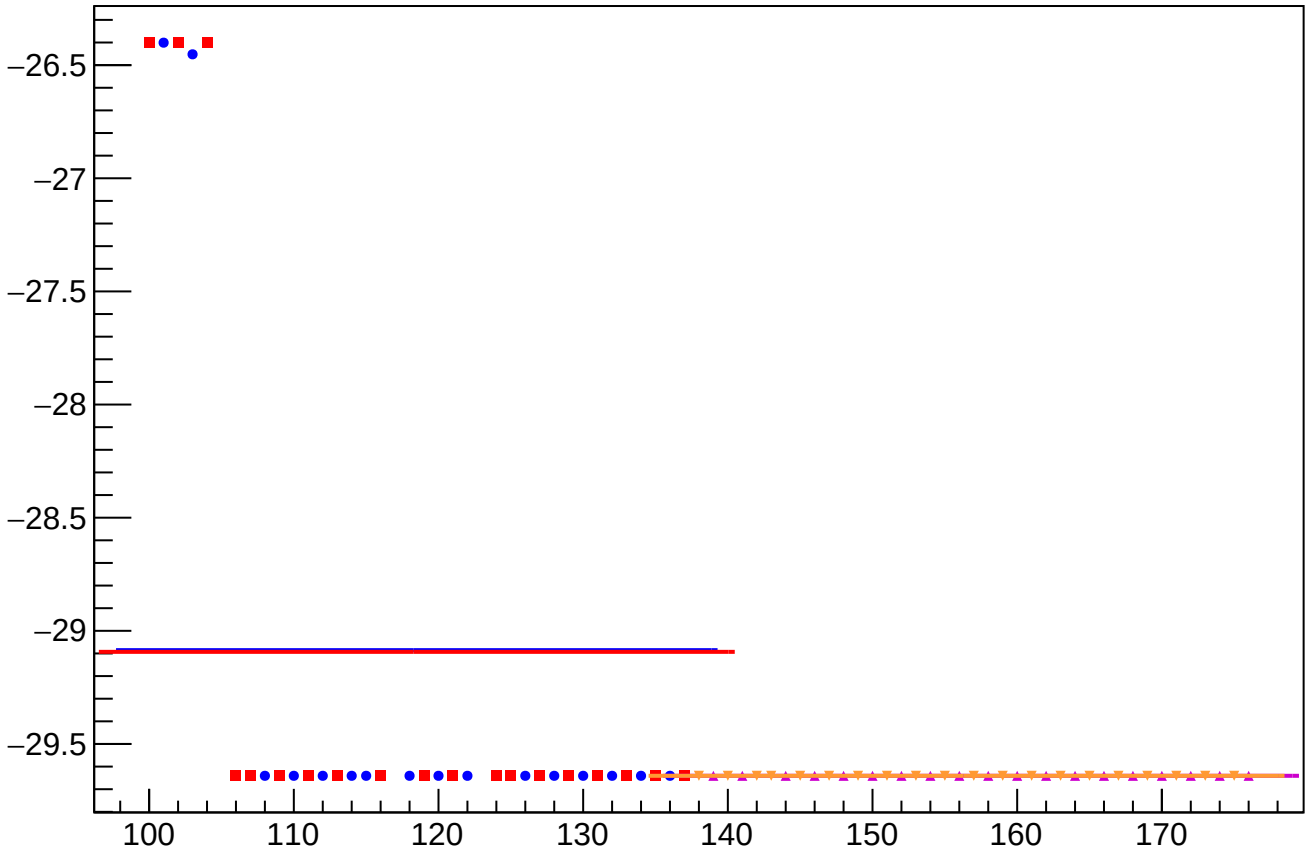
Left In: -90.599+/-0.000 χ^2/NDF:5540858.0/18

+ sign -35.341+/-0.000 χ^2/NDF: 163234180991398

All: -34.333+/-0.000 χ^2/NDF: 328611497719

- sign -33.317+/-0.000 χ^2/NDF: 165328418696875

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:301900.2/19

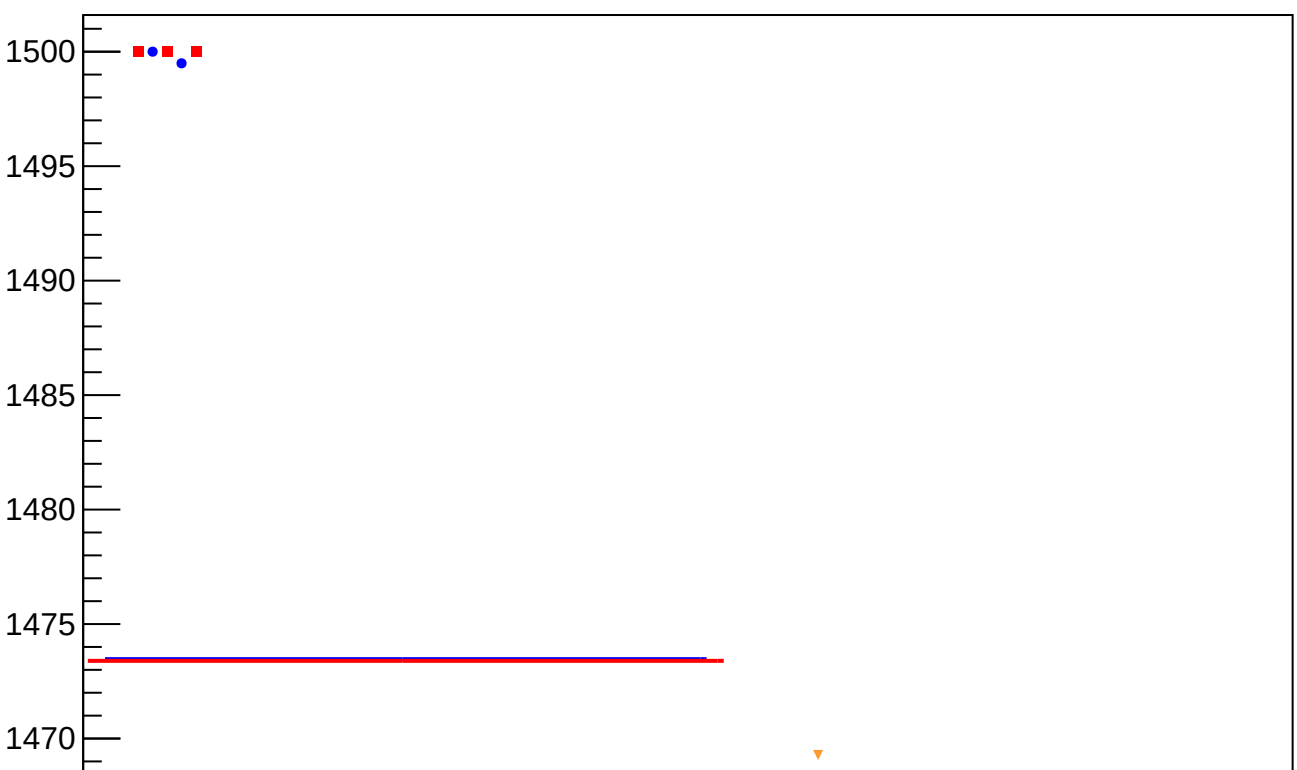
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:119212.7/18

+ sign -29.469+/-0.000 χ^2/NDF: 125216870022069

All: -29.467+/-0.000 χ^2/NDF: 253294681256

- sign -29.465+/-0.000 χ^2/NDF: 128076015132407



Right In: 1473.467+/-0.000 χ^2/NDF: 1068941948607061768784857937047715840.0/15

Left Out: 1468.062+/-0.000 χ^2/NDF:1383915318131303758187746358722560.0/19

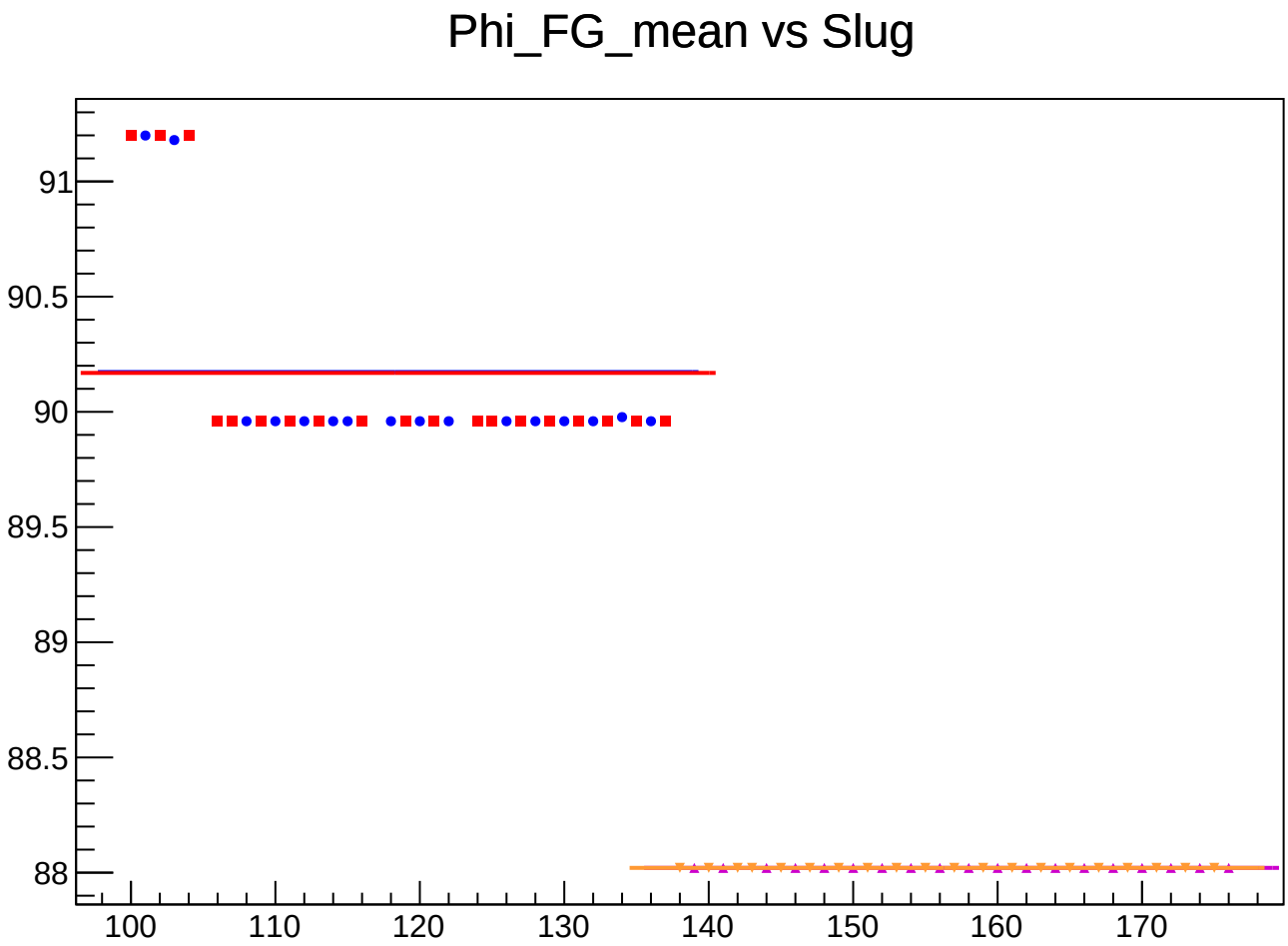
Right Out: 1473.393+/-0.000 χ^2/NDF: 1099094997334010787610678433006223360.0/18

Left In: 1467.993+/-0.000 χ^2/NDF:1443485148160336613083688468480.0/18

+ sign 1469.734+/-0.000 χ^2/NDF: 12198593179825

All: 1469.729+/-0.000 χ^2/NDF: 2470121920

- sign 1469.725+/-0.000 χ^2/NDF: 12502614917740



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:4126007.6/19

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

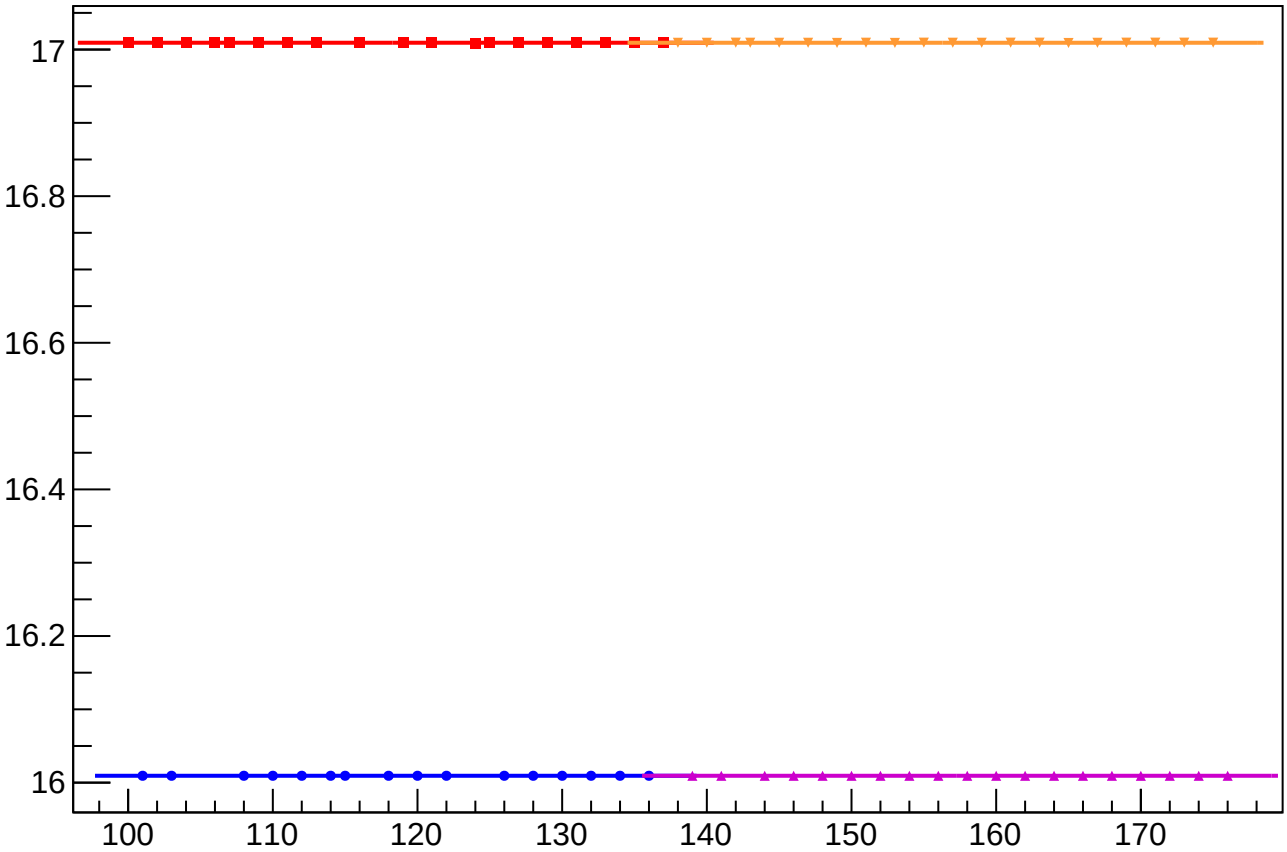
Left In: 88.021+/-0.000 χ^2/NDF:5262169.2/18

+ sign 88.687+/-0.000 χ^2/NDF: 2530044165638555

All: 88.698+/-0.000 χ^2/NDF: 508736639165

- sign 88.710+/-0.000 χ^2/NDF: 2556682272308526

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:2462647587854784799965184O.0/19

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

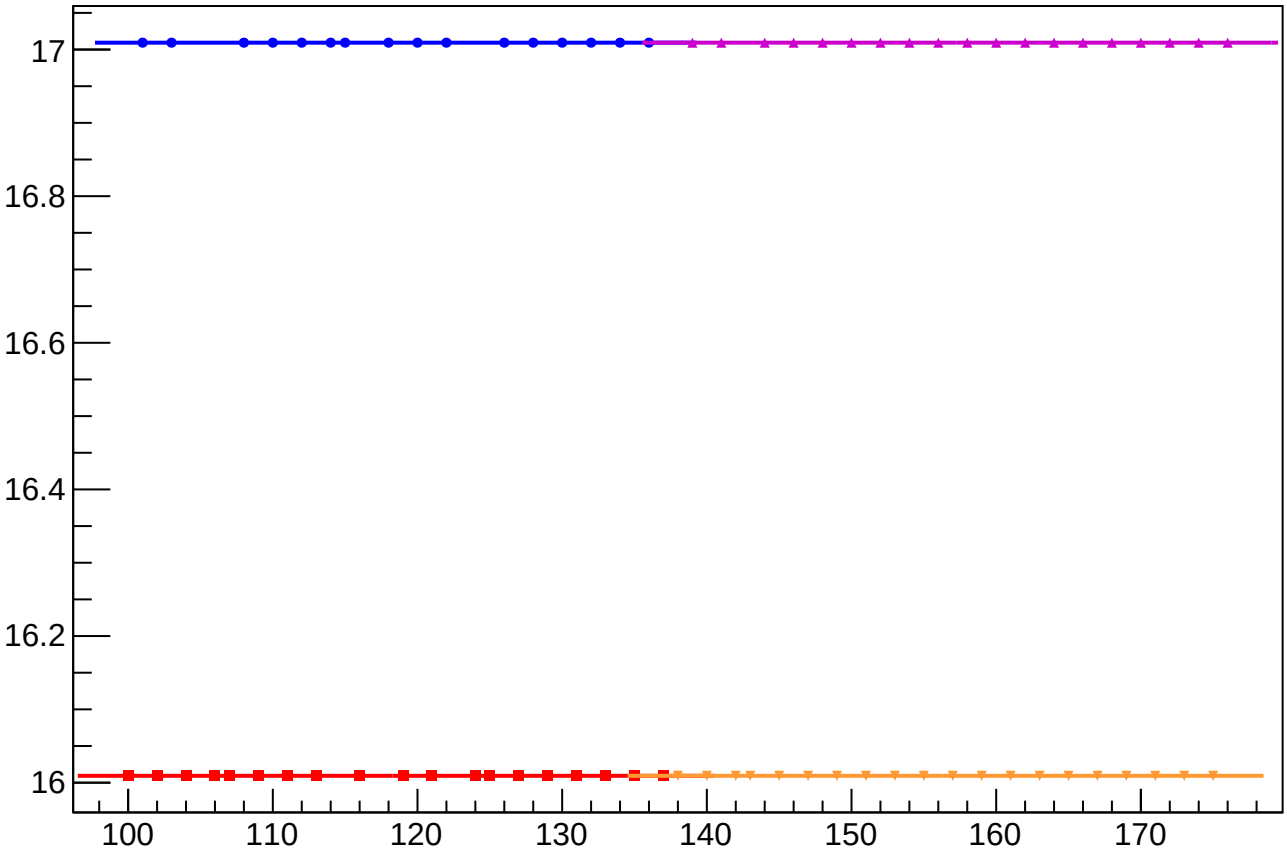
Left In: 16.009+/-0.000 χ^2/NDF:12372385455109638927155 2.0/18

+ sign 16.694+/-0.000 χ^2/NDF: 4806016982256828

All: 16.510+/-0.000 χ^2/NDF: 1106257459366

- sign 16.324+/-0.000 χ^2/NDF: 4745221101158424

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:76904.5/19

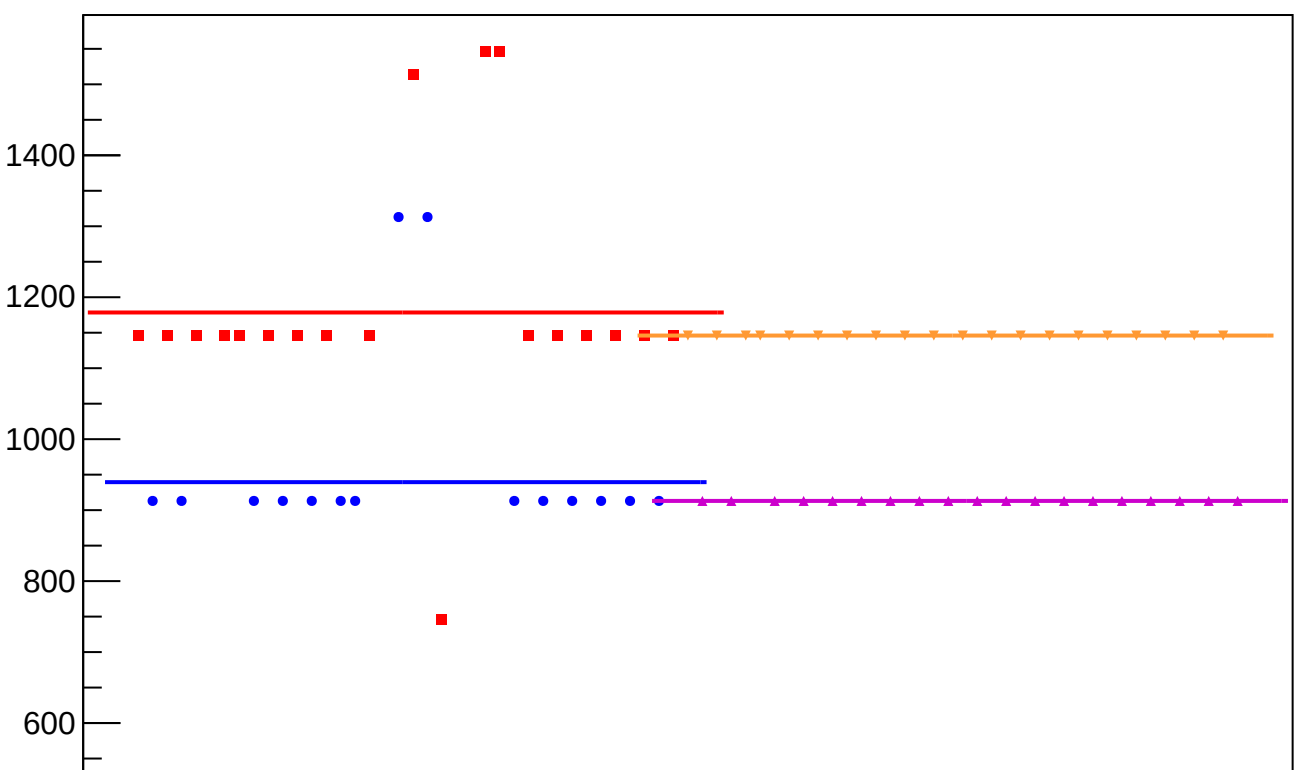
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:1100727507618891237949440.0/18

+ sign 16.312+/-0.000 χ^2/NDF: 4929319057815838

All: 16.499+/-0.000 χ^2/NDF: 116770106607

- sign 16.685+/-0.000 χ^2/NDF: 5125989121094725



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1082.101+/-0.000 χ^2/NDF: 42918362544464

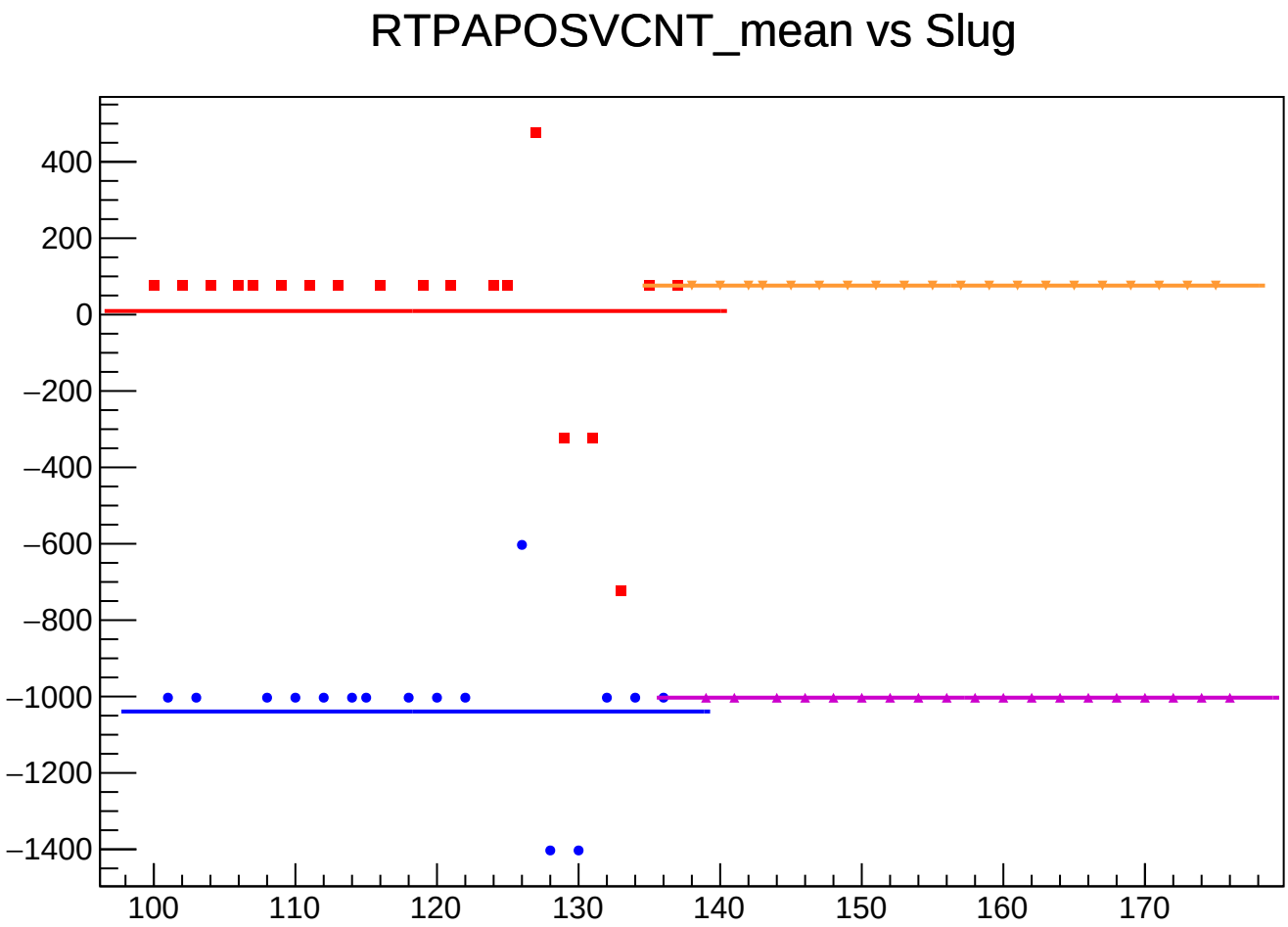
Left Out: 1146.011+/-0.000 χ^2/NDF:566706533214382540825454182 4.0/19

All: 1040.268+/-0.000 χ^2/NDF: 1100087615

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 998.153+/-0.000 χ^2/NDF: 586795291379503

Left In: 912.995+/-0.000 χ^2/NDF:22104744587880468273478762496.0/18



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

+ sign -269.016+/-0.000 χ^2/NDF: 659268148078521

Left Out: 76.011+/-0.000 χ^2/NDF:1002681946516677077252859494 4.0/19

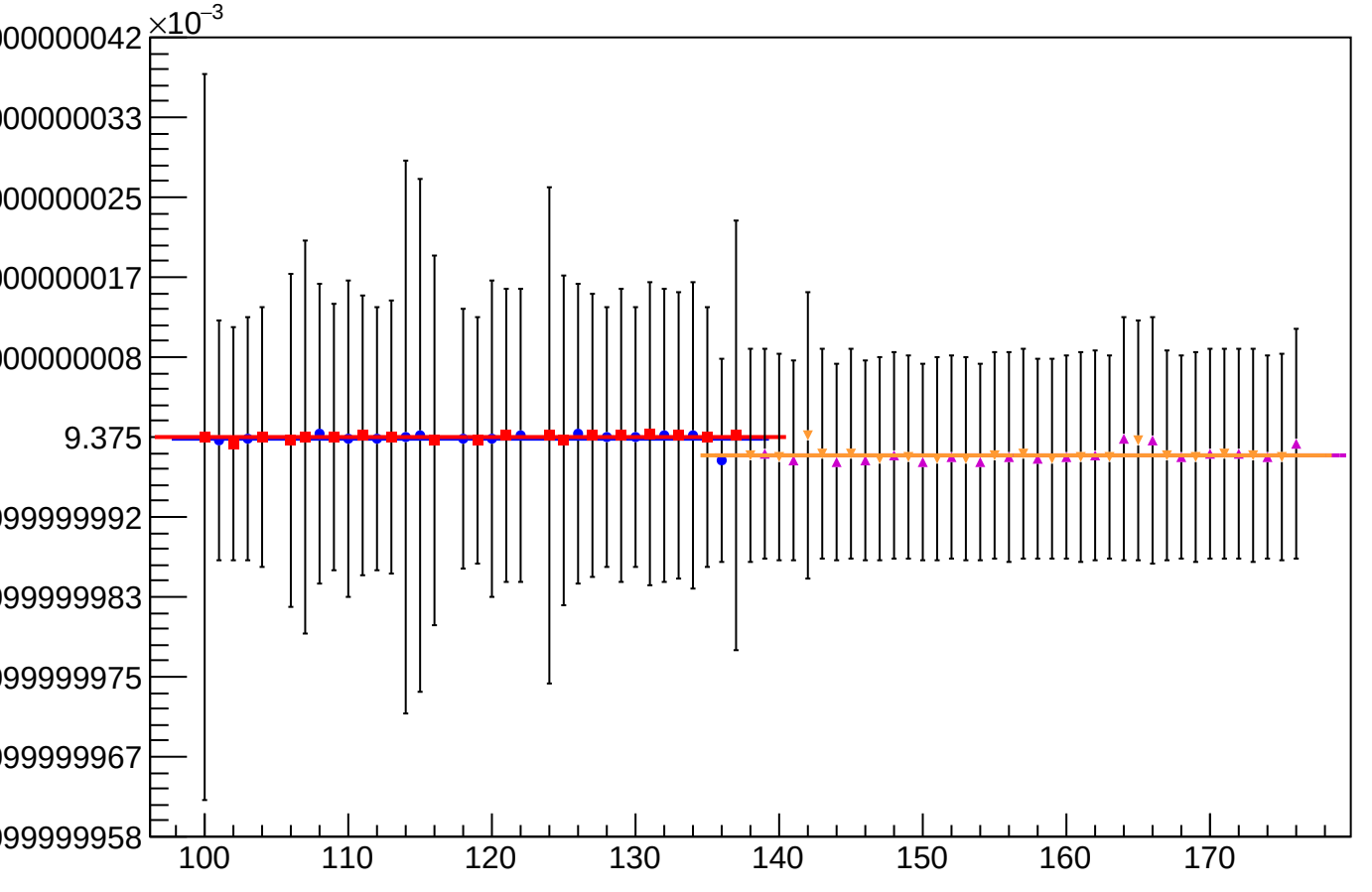
All: -472.964+/-0.000 χ^2/NDF: 1436476706

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409 92.0/18

- sign -678.283+/-0.000 χ^2/NDF: 57729943630045

Left In: -1002.990+/-0.000 χ^2/NDF:2546830807567999290233061376.0/18

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:0.0/19

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

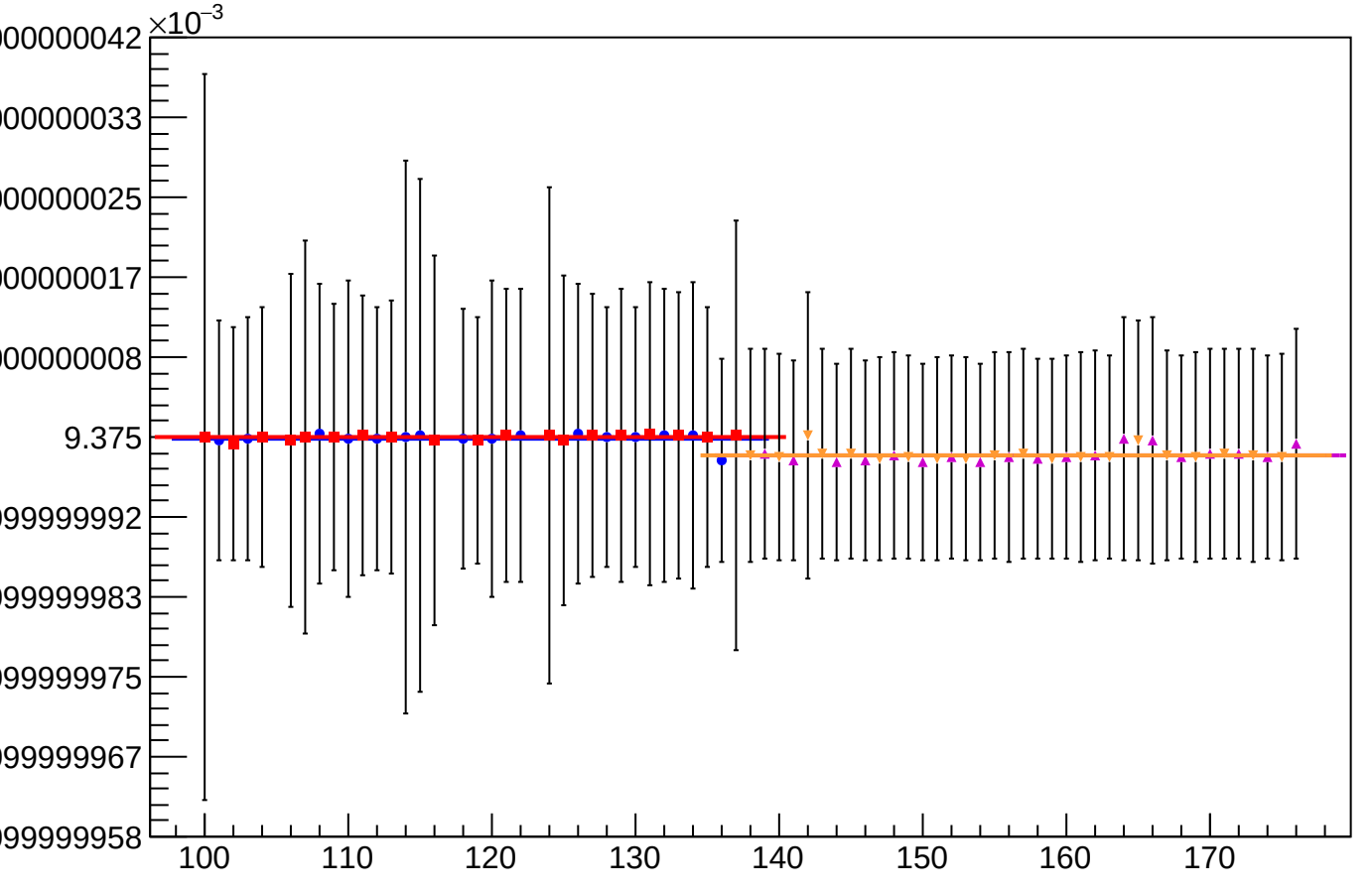
Left In: 0.009+/-0.000 χ^2/NDF:0.1/18

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/35

All: 0.009+/-0.000 χ^2/NDF: 0.5/73

- sign 0.009+/-0.000 χ^2/NDF: 0.3/37

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:0.0/19

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.1/18

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/35

All: 0.009+/-0.000 χ^2/NDF: 0.5/73

- sign 0.009+/-0.000 χ^2/NDF: 0.3/37